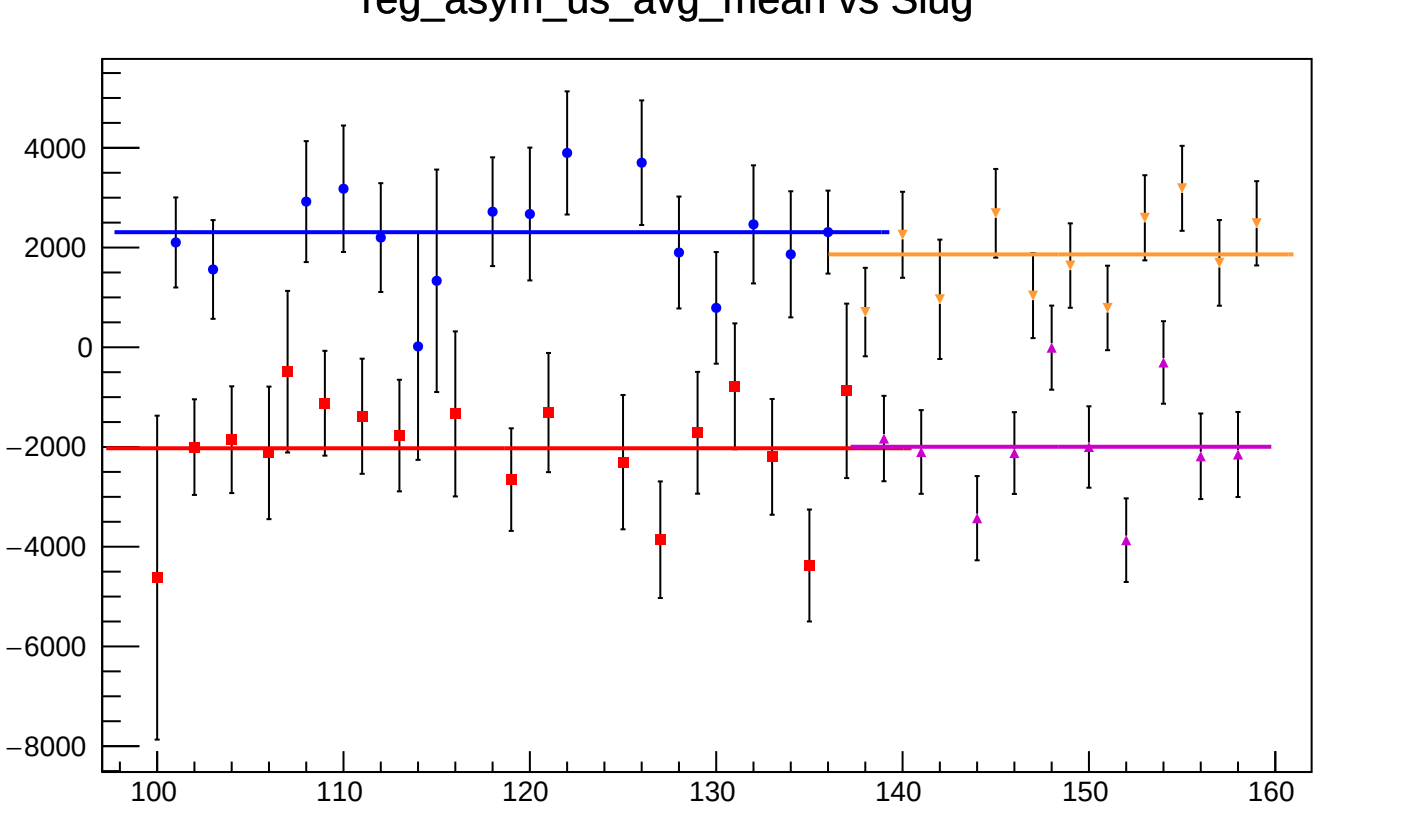


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

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

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

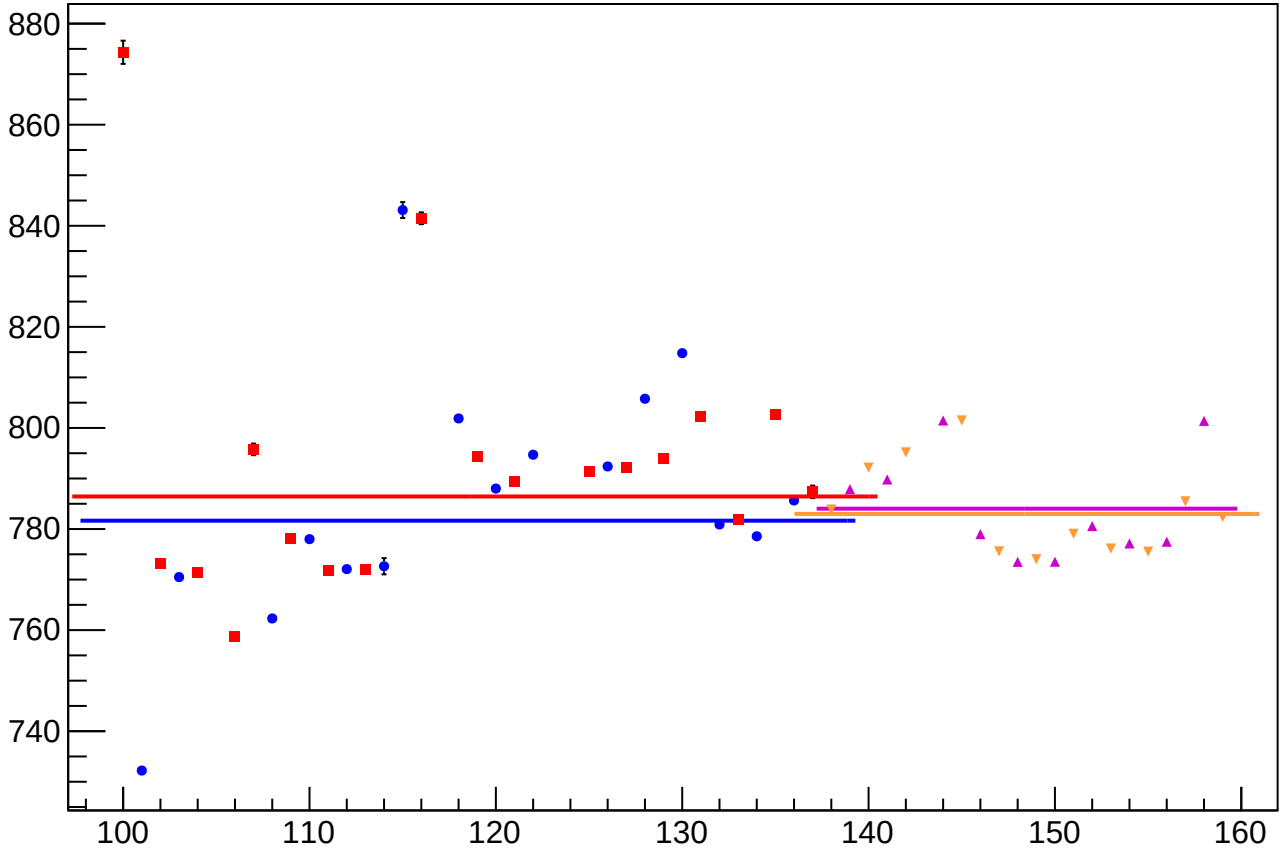
Left In: -1995.394+/-265.459 χ^2/NDF:17.8/9

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

All: 27.968+/-138.415 χ^2/NDF: 265.1/54

- sign -2009.188+/-195.748 χ^2/NDF: 29.7/27

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

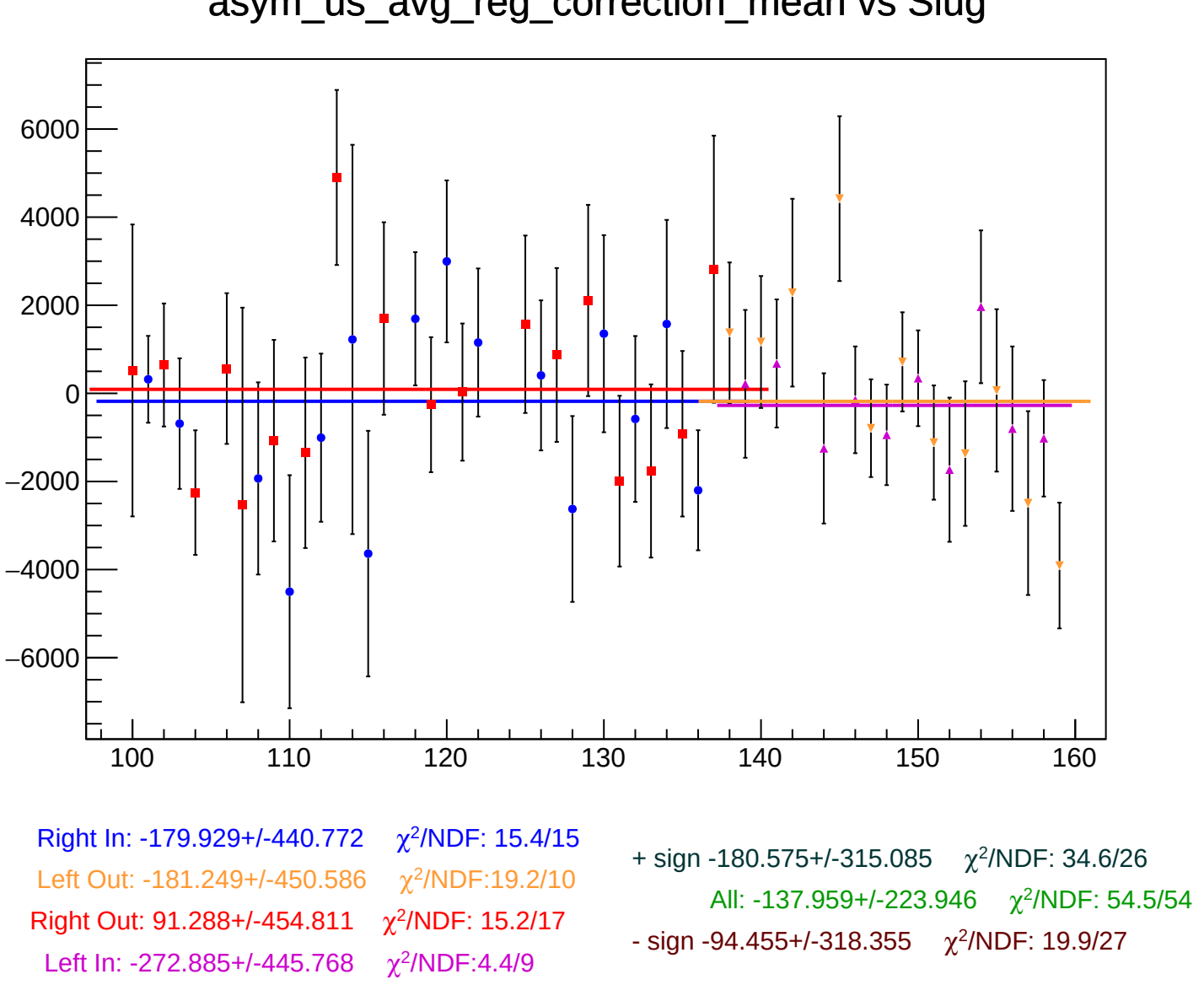
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

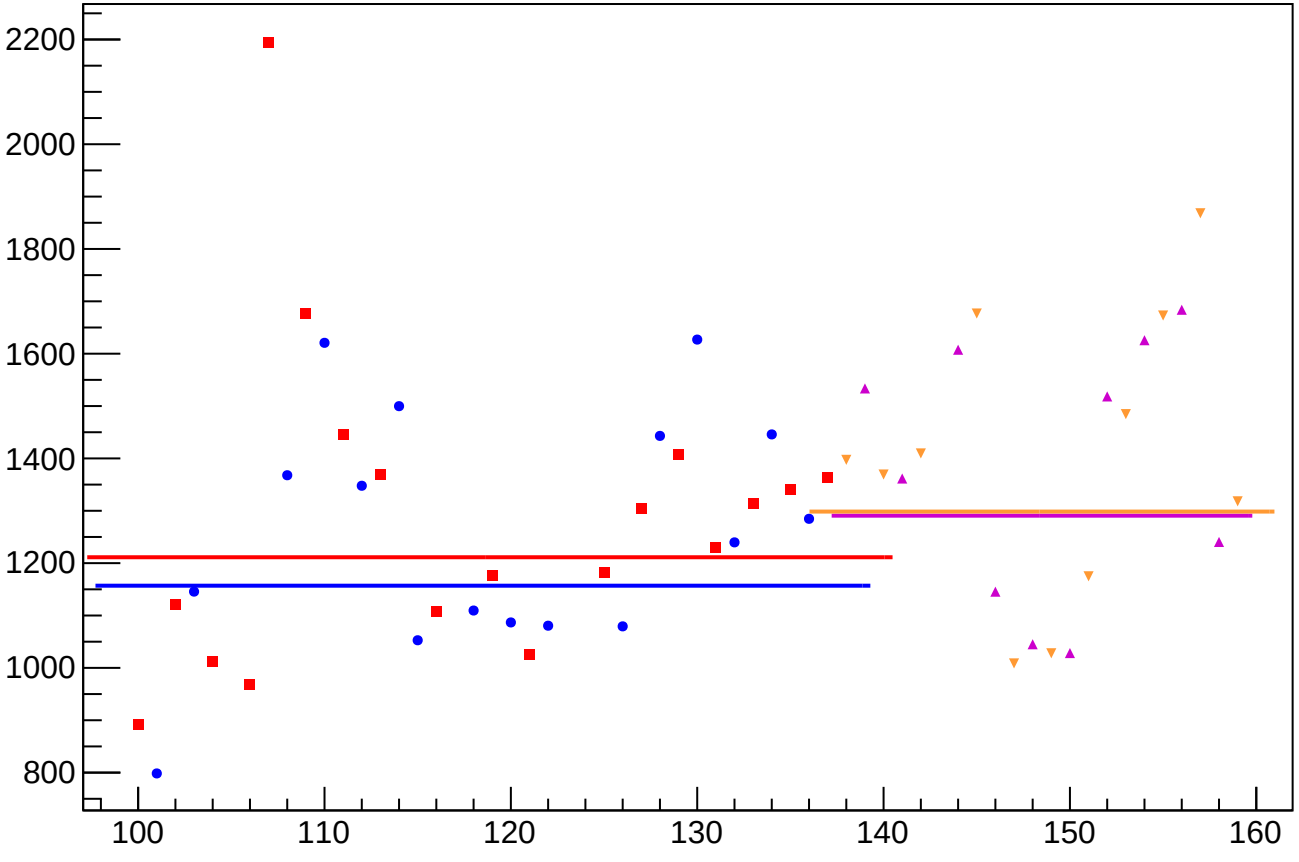
+ sign 782.383+/-0.138 χ^2/NDF: 14359.8/26

All: 783.757+/-0.098 χ^2/NDF: 24656.9/54

- sign 785.130+/-0.138 χ^2/NDF: 10100.1/27


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: -272.885+/-445.768 χ²/NDF:4.4/9
+ sign -180.575+/-315.085 χ²/NDF: 34.6/26
All: -137.959+/-223.946 χ²/NDF: 54.5/54
- sign -94.455+/-318.355 χ²/NDF: 19.9/27

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

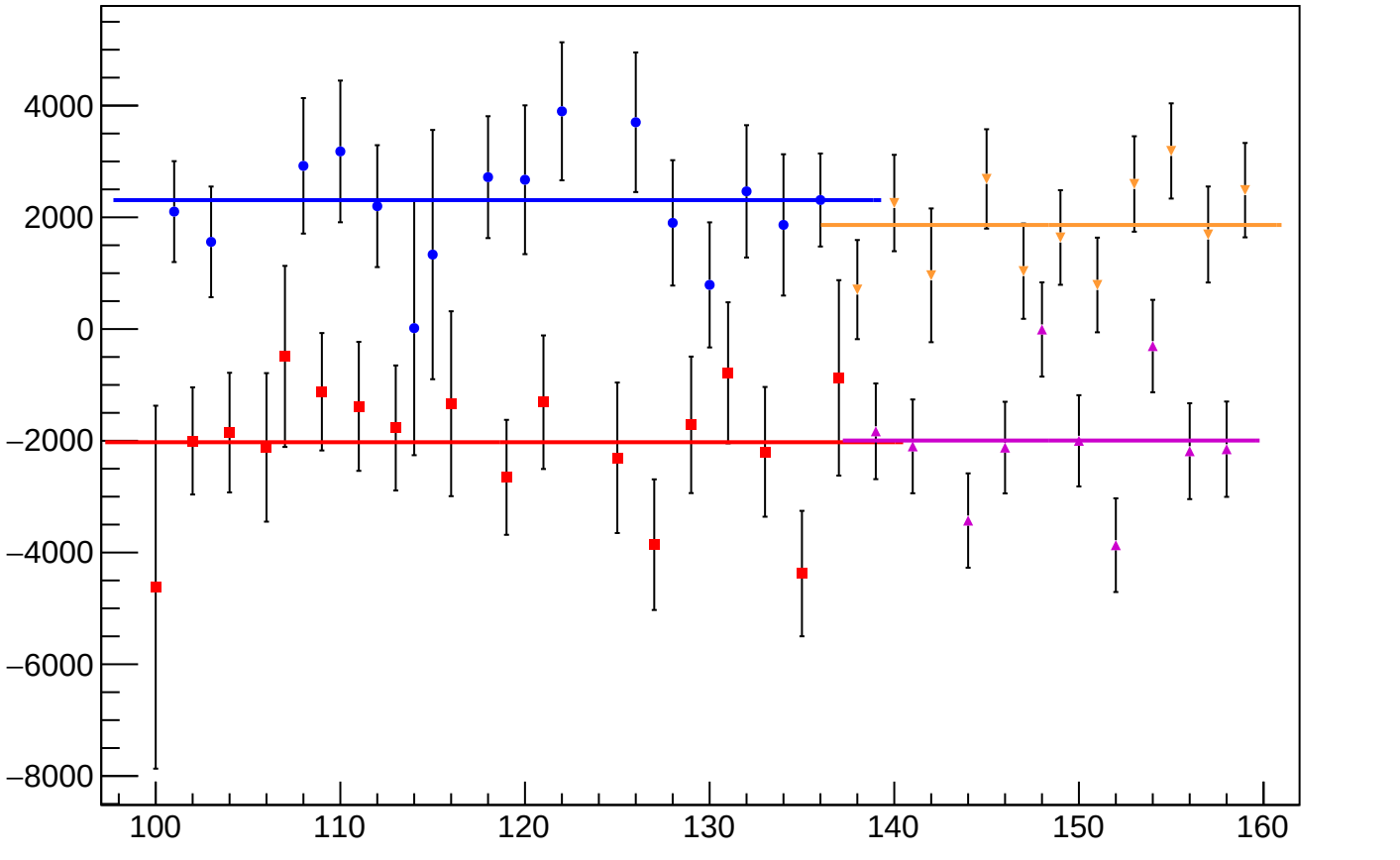
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

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

All: 1238.837+/-0.158 χ^2/NDF: 2291227.2/54

- sign 1251.774+/-0.225 χ^2/NDF: 987404.0/27



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

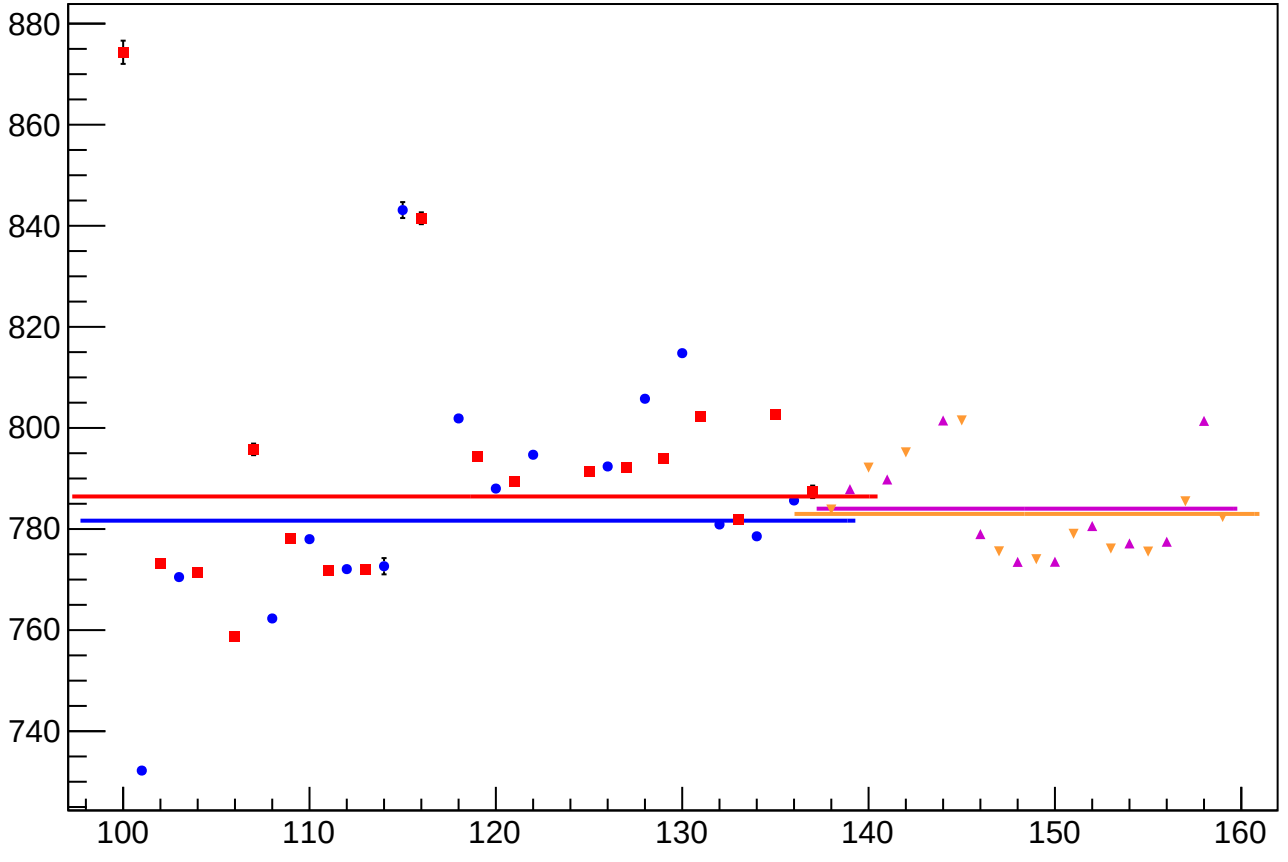
Left In: -1995.394+/-265.459 χ^2/NDF:17.8/9

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

All: 27.968+/-138.415 χ^2/NDF: 265.1/54

- sign -2009.188+/-195.748 χ^2/NDF: 29.7/27

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

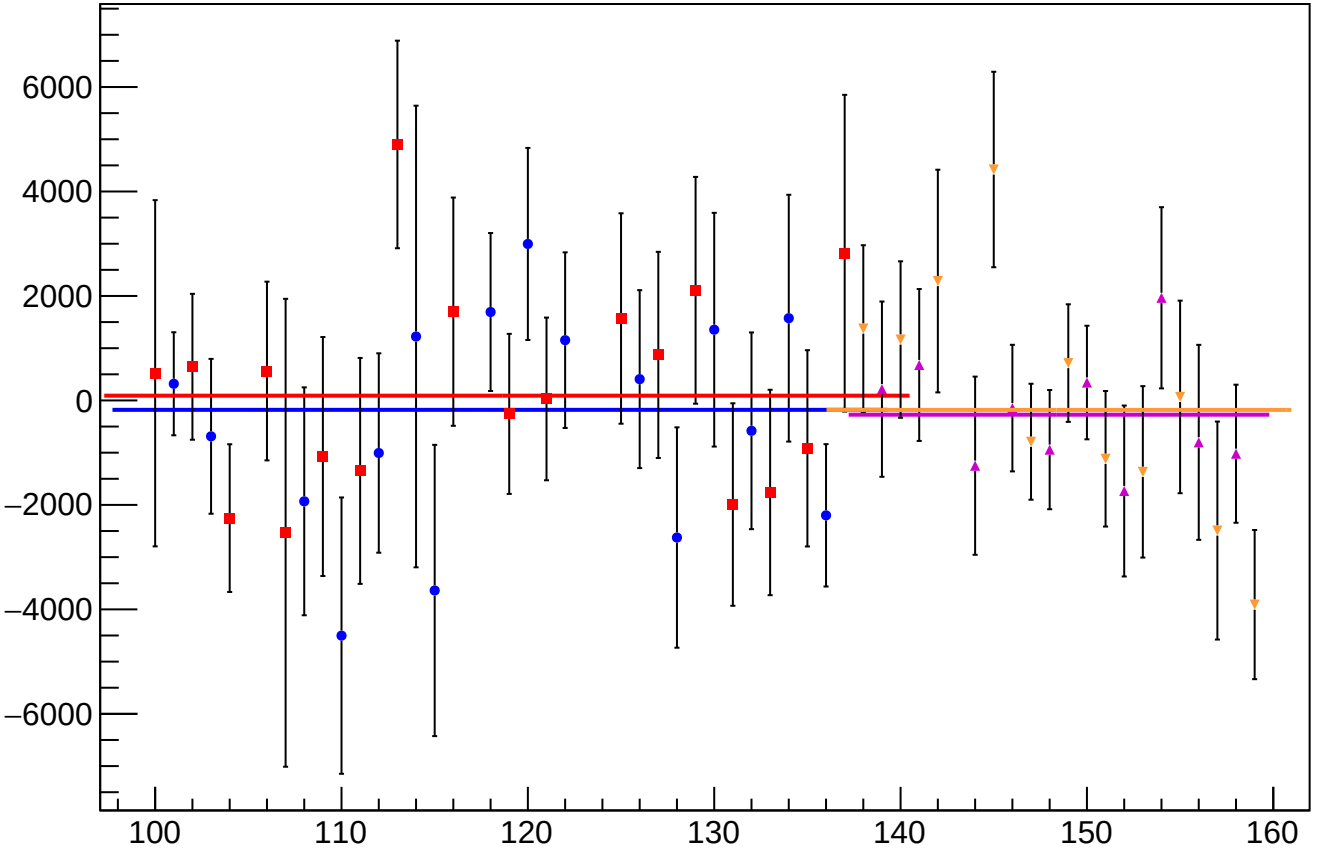
Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

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

All: 783.757+/-0.098 χ^2/NDF: 24656.9/54

- sign 785.130+/-0.138 χ^2/NDF: 10100.1/27

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

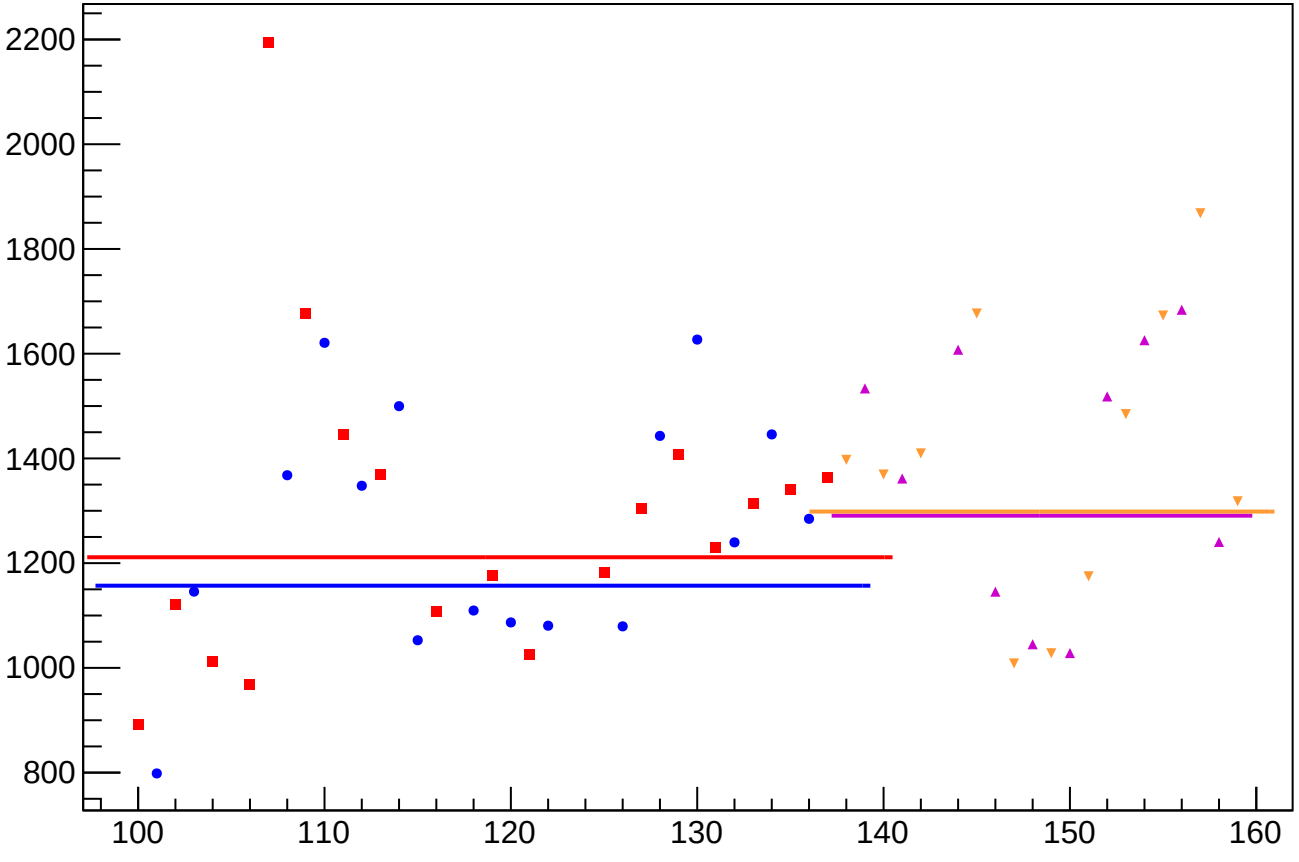
Left In: -272.885+/-445.768 χ^2/NDF:4.4/9

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

All: -137.959+/-223.946 χ^2/NDF: 54.5/54

- sign -94.455+/-318.355 χ^2/NDF: 19.9/27

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

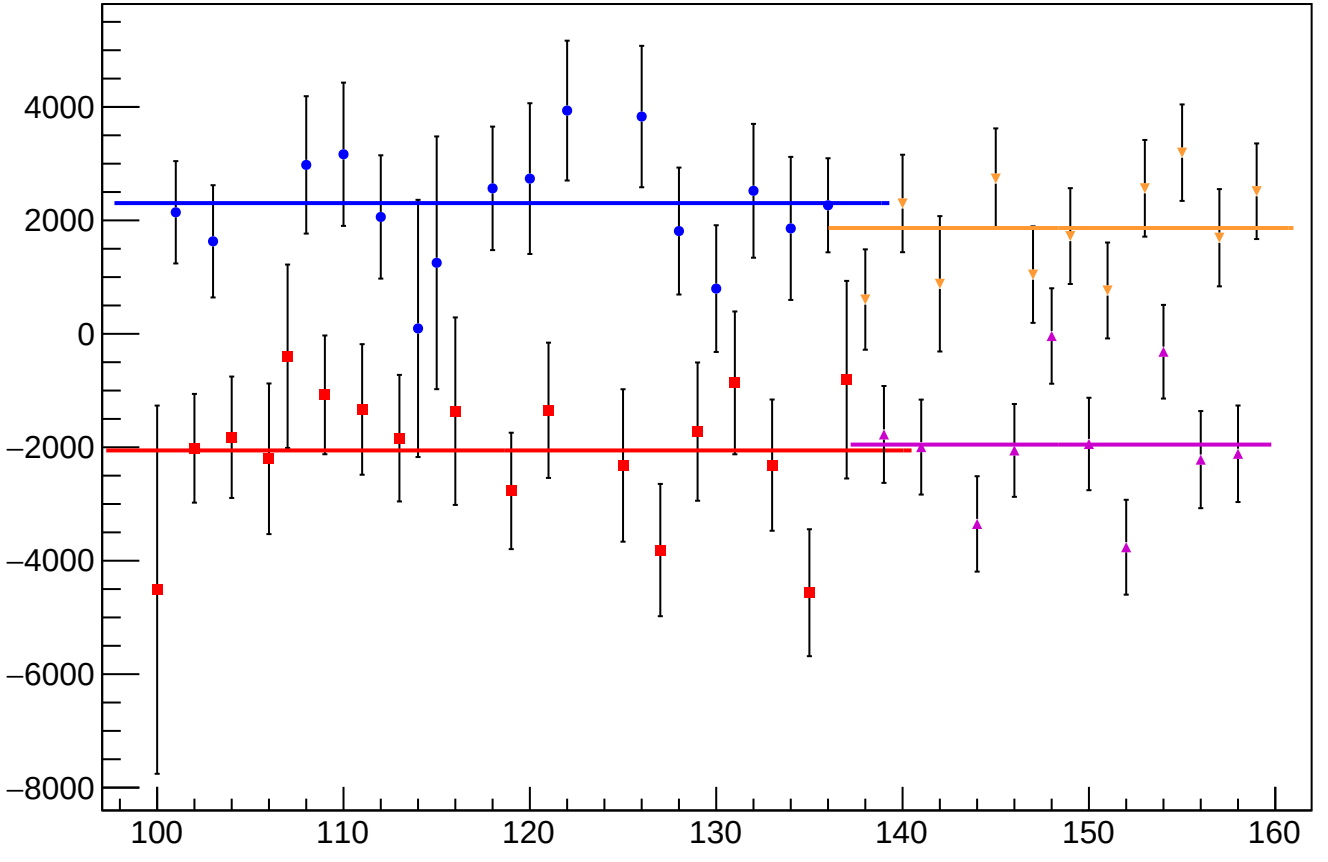
Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

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

All: 1238.837+/-0.158 χ^2/NDF: 2291227.2/54

- sign 1251.774+/-0.225 χ^2/NDF: 987404.0/27

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

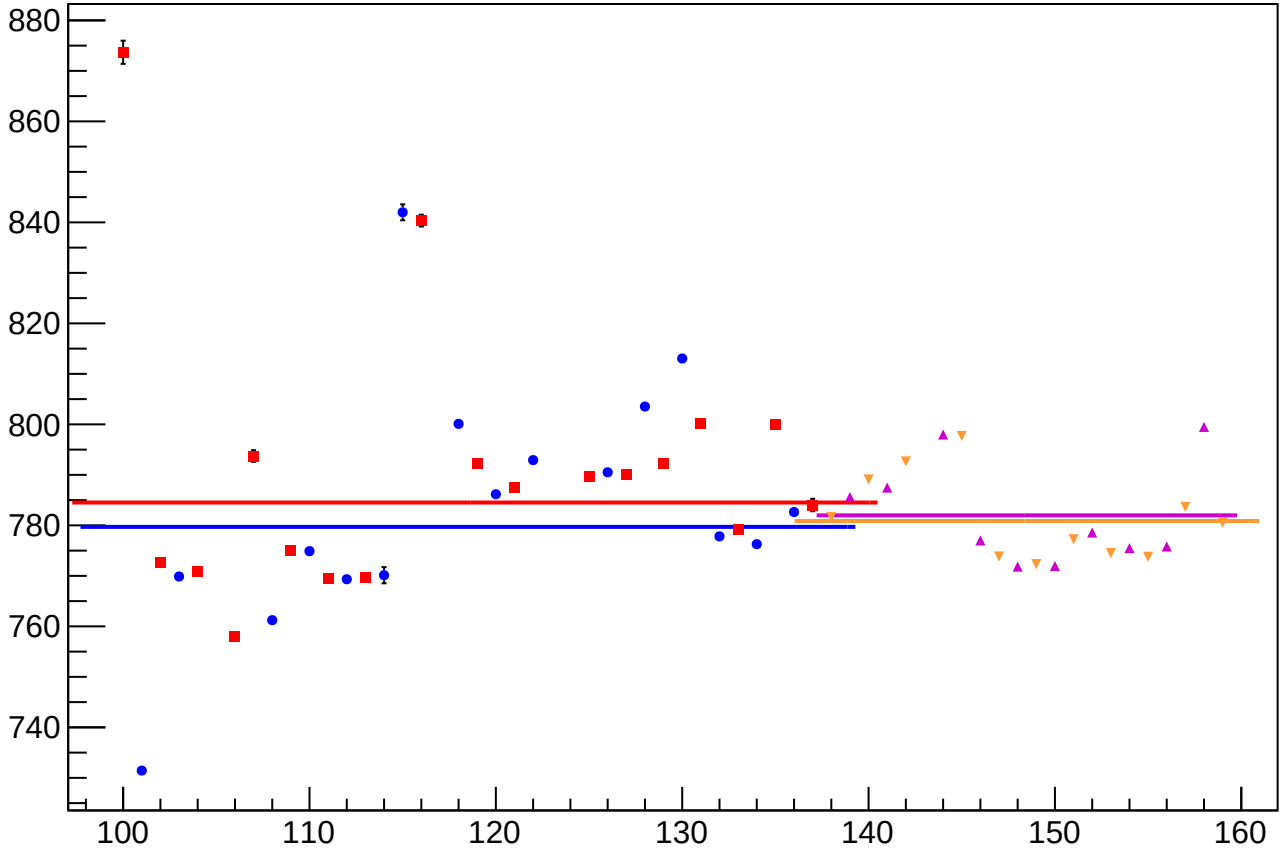
Left In: -1952.695+/-264.765 χ^2/NDF:16.7/9

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

All: 32.946+/-138.057 χ^2/NDF: 266.1/54

- sign -1999.667+/-195.251 χ^2/NDF: 29.7/27

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

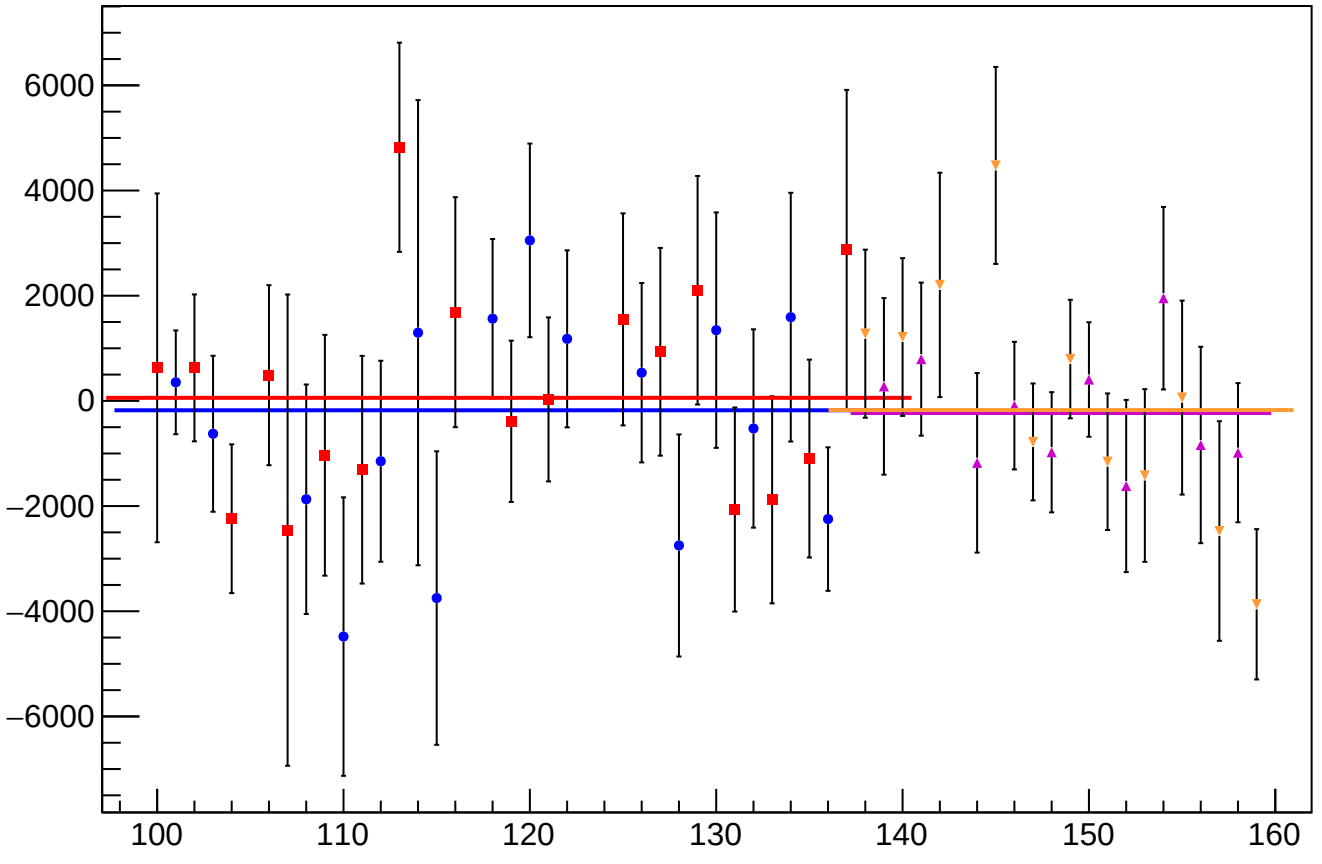
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 781.985+/-0.187 χ^2/NDF:2621.5/9

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

All: 781.739+/-0.098 χ^2/NDF: 23903.4/54

- sign 783.143+/-0.138 χ^2/NDF: 9865.5/27



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

Left Out: -174.728+/-451.047 χ^2/NDF:19.2/10

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

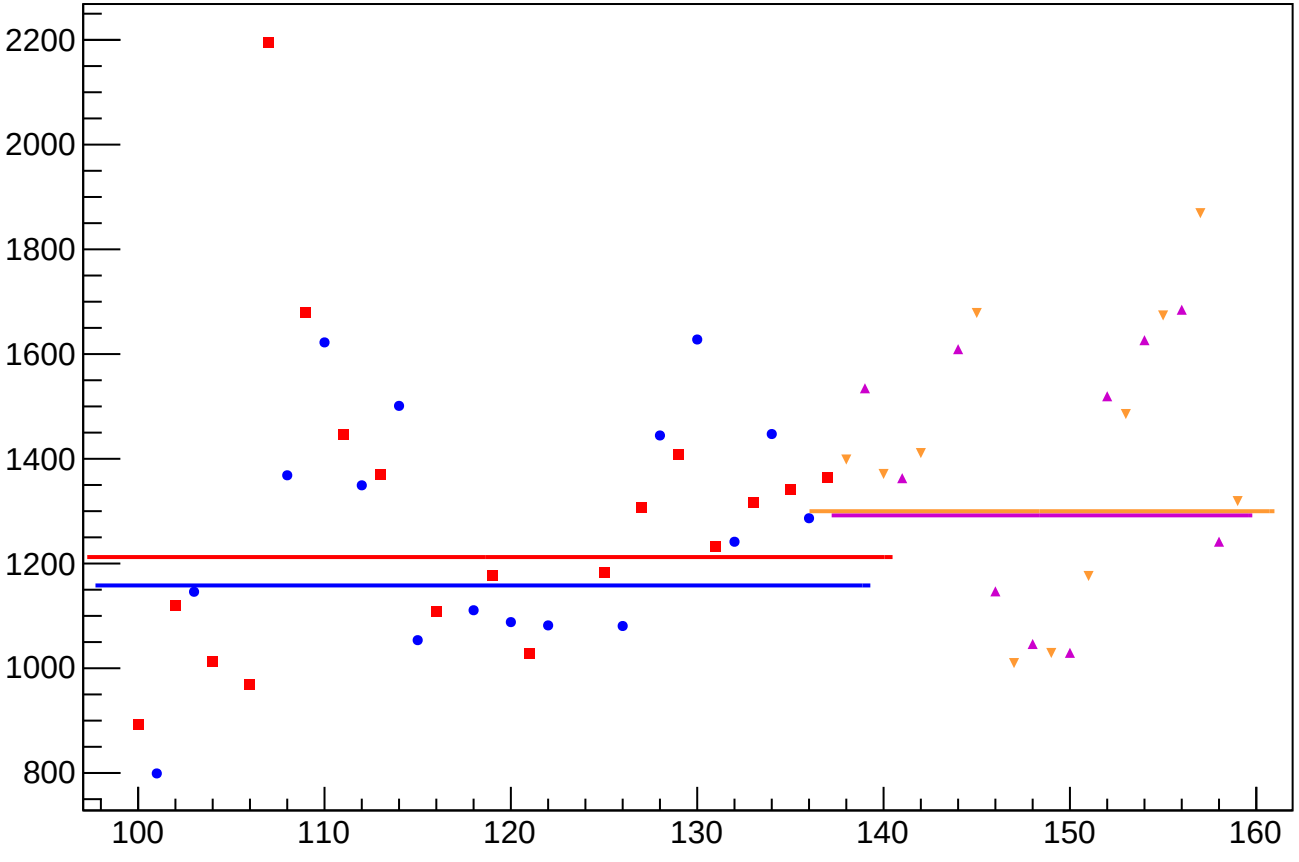
Left In: -230.018+/-446.200 χ^2/NDF:4.4/9

+ sign -176.633+/-315.406 χ^2/NDF: 34.9/26

All: -133.201+/-224.164 χ^2/NDF: 54.8/54

- sign -88.870+/-318.651 χ^2/NDF: 19.9/27

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

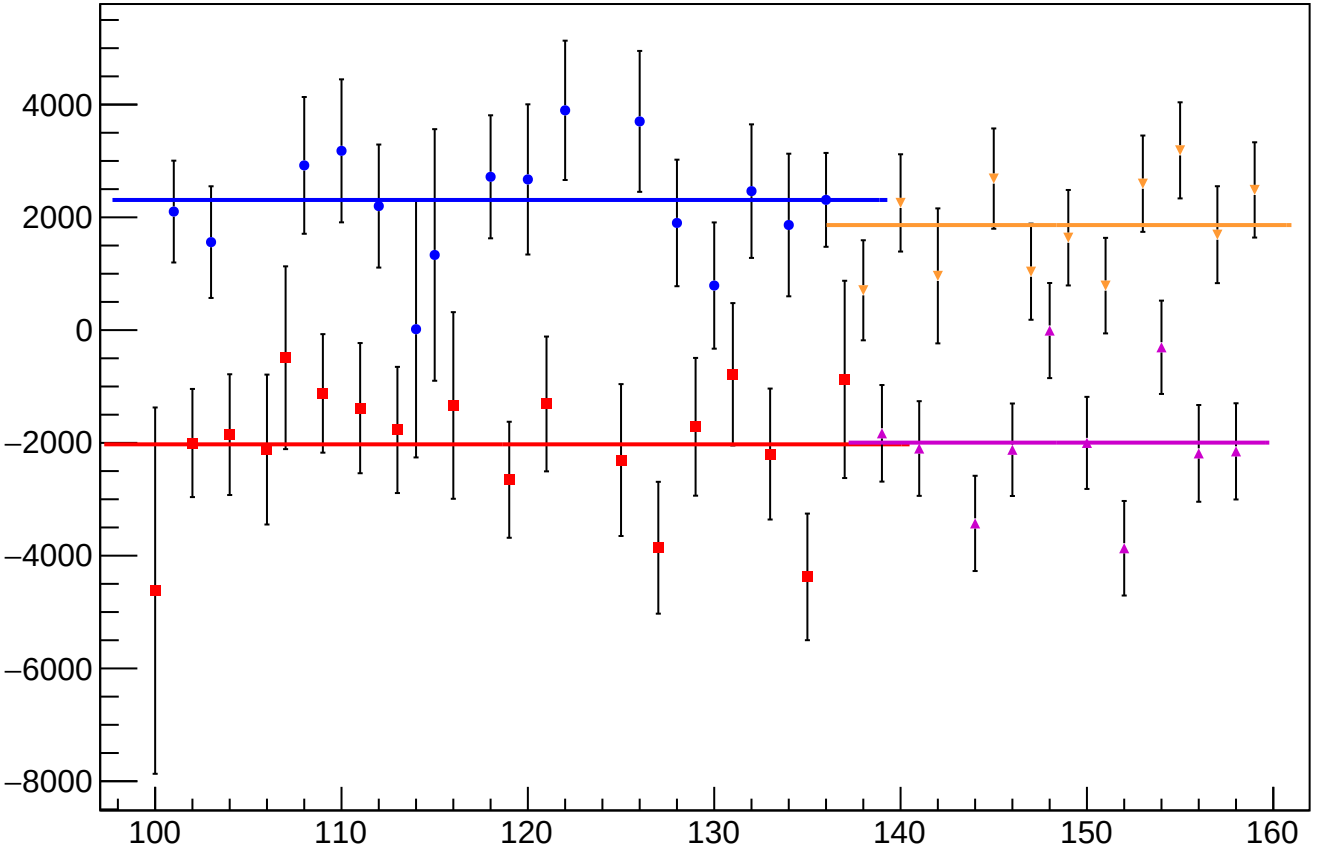
Left In: 1291.996+/-0.316 χ^2/NDF:557348.4/9

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

All: 1240.081+/-0.159 χ^2/NDF: 2288924.6/54

- sign 1252.968+/-0.225 χ^2/NDF: 986514.0/27

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

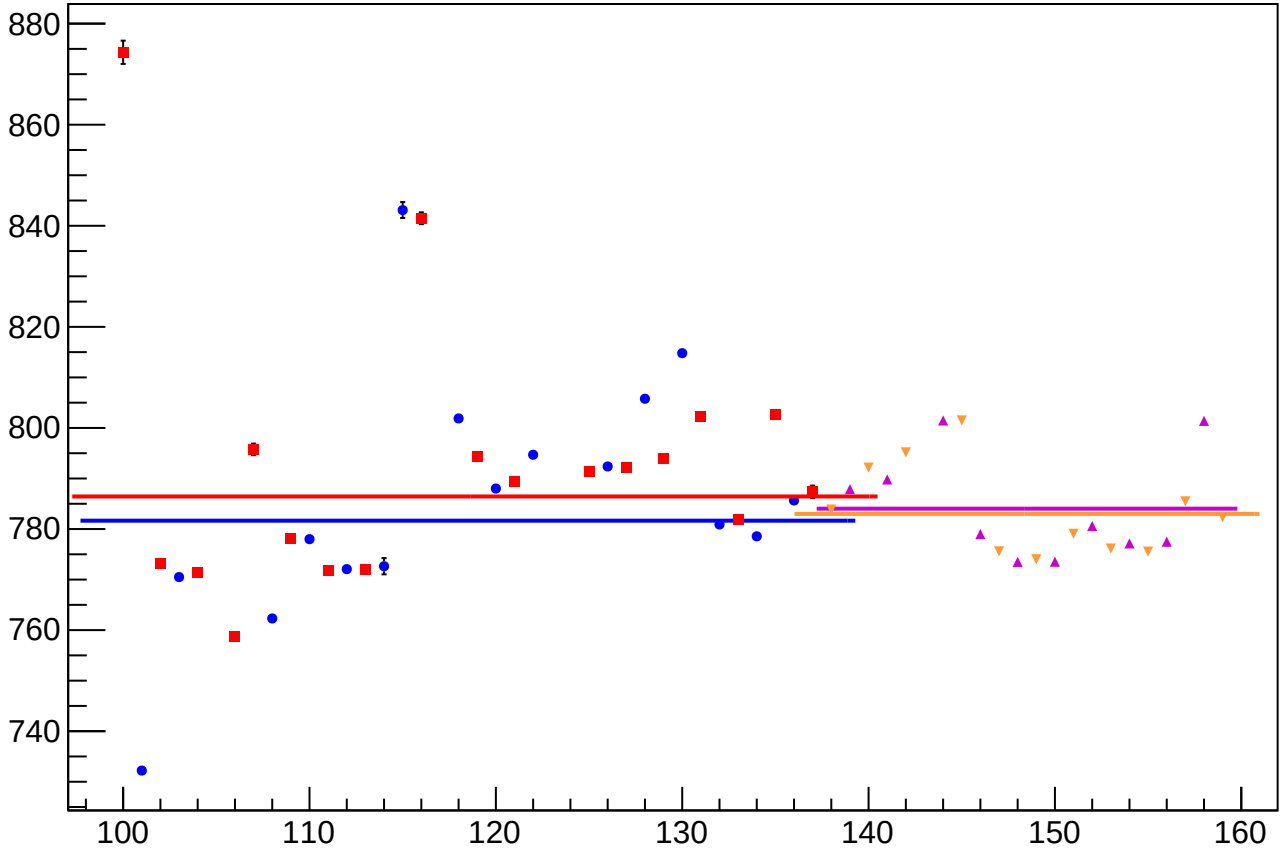
Left In: -1995.394+/-265.459 χ^2/NDF:17.8/9

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

All: 27.968+/-138.415 χ^2/NDF: 265.1/54

- sign -2009.188+/-195.748 χ^2/NDF: 29.7/27

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

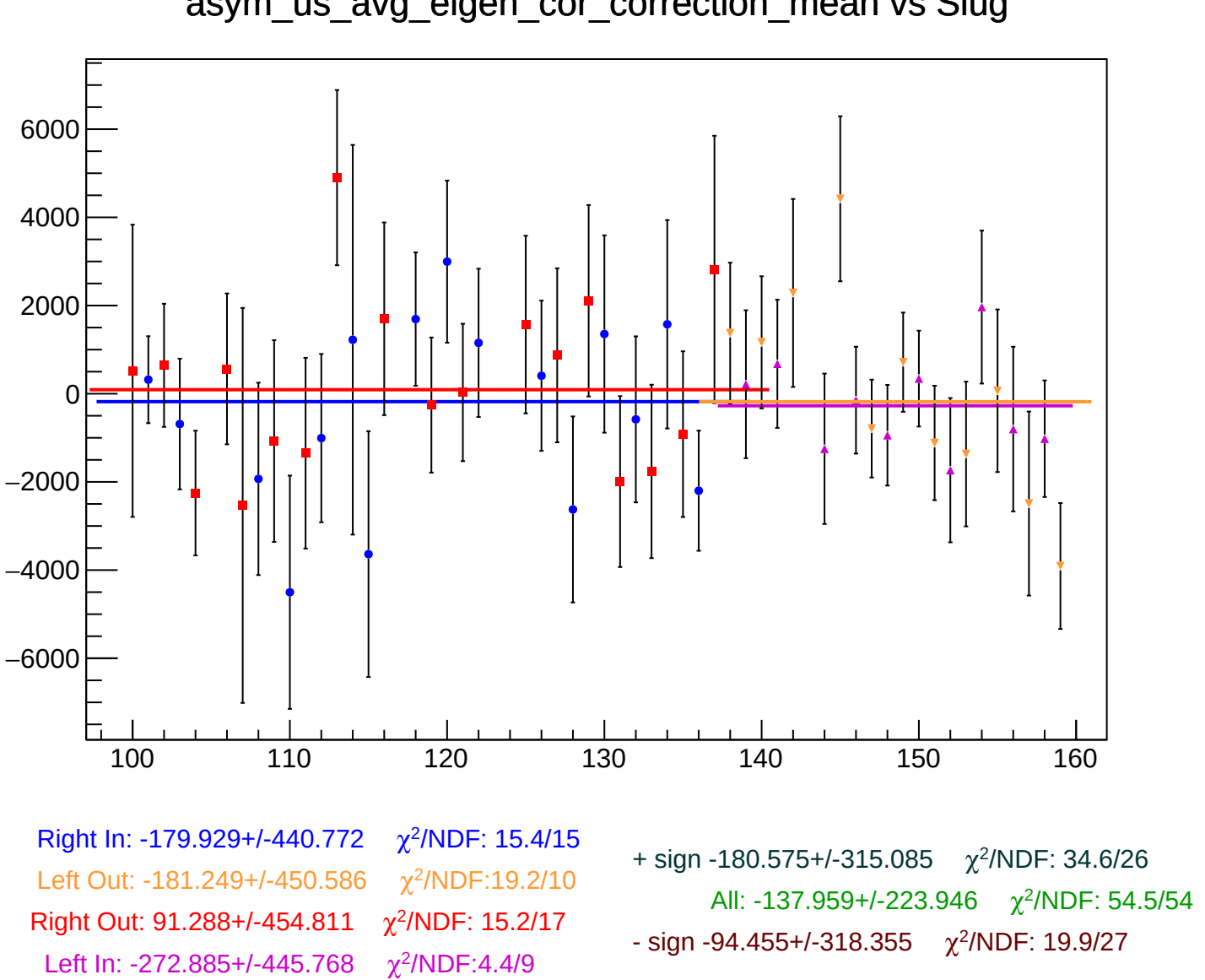
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 784.029+/-0.188 χ^2/NDF:2823.0/9

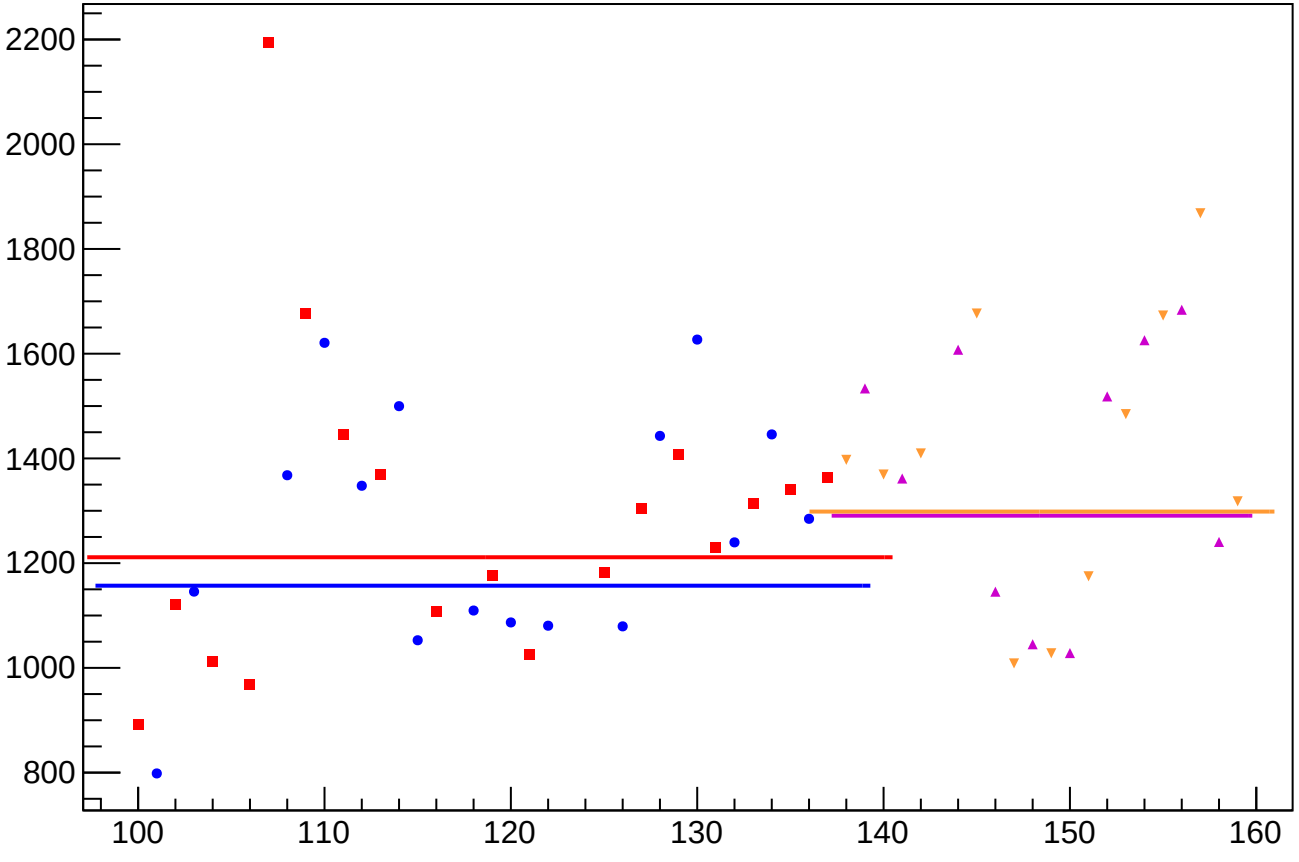
+ sign 782.383+/-0.138 χ^2/NDF: 14359.8/26

All: 783.757+/-0.098 χ^2/NDF: 24656.9/54

- sign 785.130+/-0.138 χ^2/NDF: 10100.1/27


asym_us_avg_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -181.249+/-450.586 χ²/NDF:19.2/10
Right Out: 91.288+/-454.811 χ²/NDF: 15.2/17
Left In: -272.885+/-445.768 χ²/NDF:4.4/9
+ sign -180.575+/-315.085 χ²/NDF: 34.6/26
All: -137.959+/-223.946 χ²/NDF: 54.5/54
- sign -94.455+/-318.355 χ²/NDF: 19.9/27

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

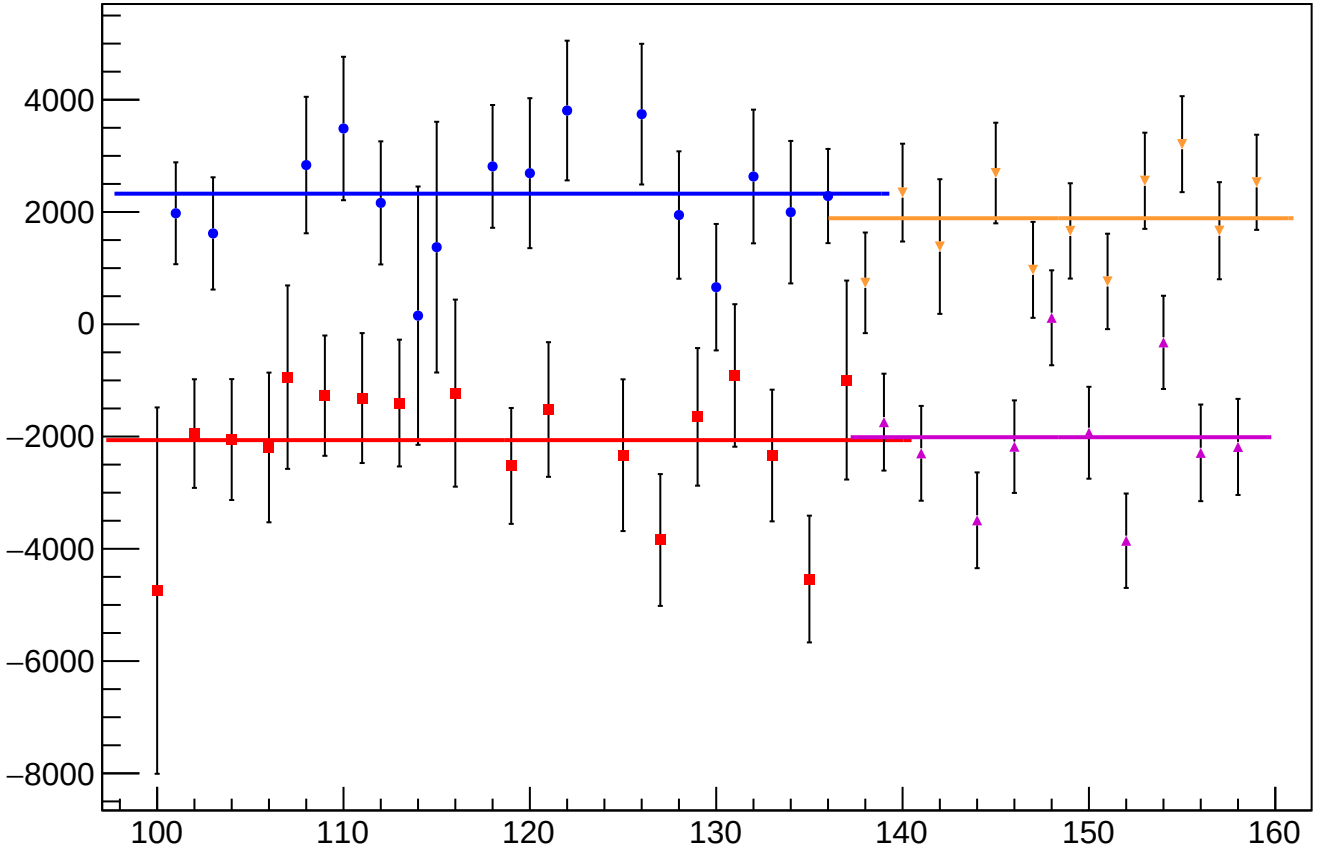
Left In: 1290.690+/-0.315 χ^2/NDF:558579.5/9

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

All: 1238.837+/-0.158 χ^2/NDF: 2291227.2/54

- sign 1251.774+/-0.225 χ^2/NDF: 987404.0/27

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

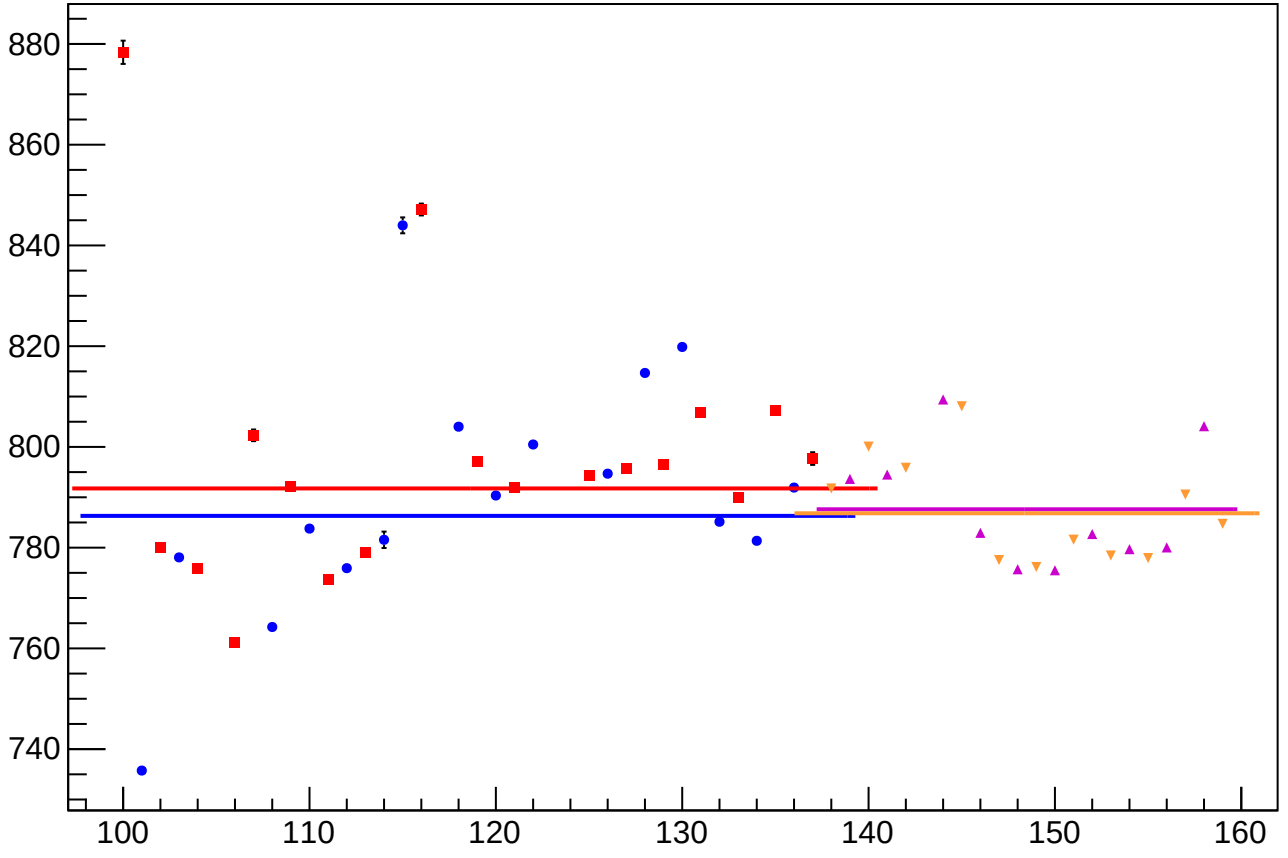
Left In: -2011.940+/-266.692 χ^2/NDF:18.7/9

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

All: 26.365+/-139.184 χ^2/NDF: 268.6/54

- sign -2035.624+/-196.856 χ^2/NDF: 30.3/27

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

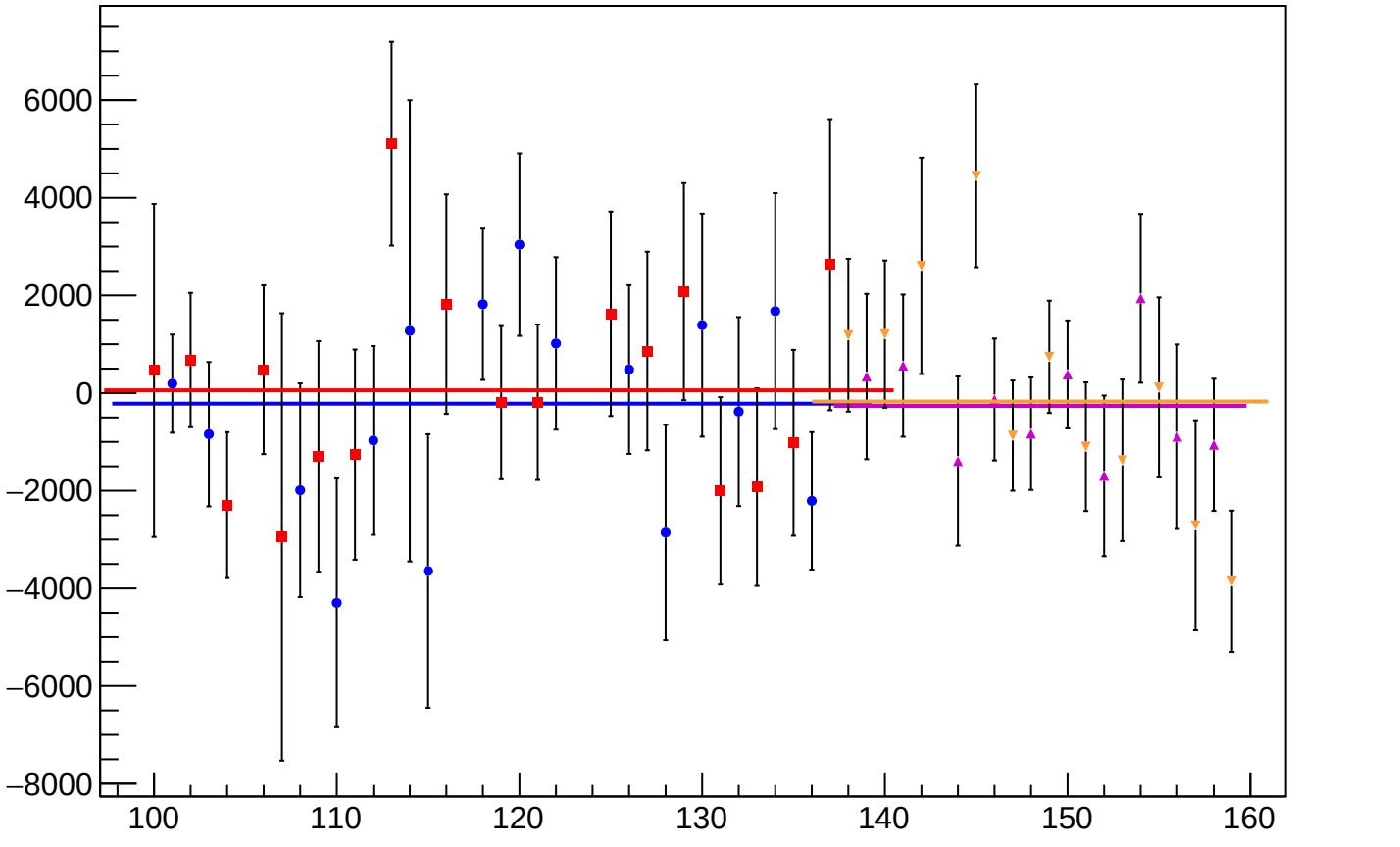
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 787.618+/-0.189 χ^2/NDF:3582.4/9

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

All: 788.046+/-0.098 χ^2/NDF: 26451.2/54

\- sign 789.502+/-0.139 χ^2/NDF: 10816.7/27



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

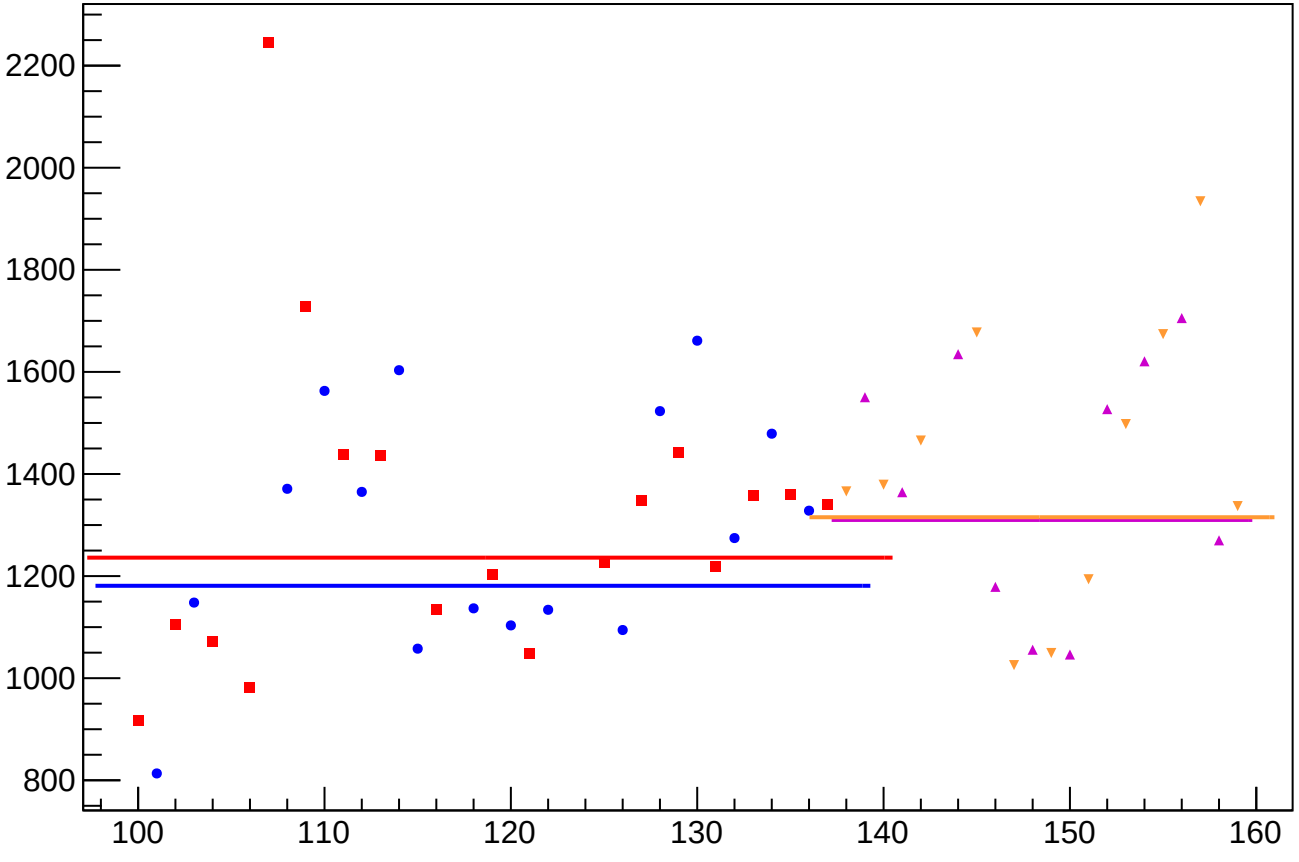
Left In: -262.582+/-451.906 χ^2/NDF:4.3/9

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

All: -151.434+/-227.629 χ^2/NDF: 54.2/54

- sign -107.108+/-323.730 χ^2/NDF: 19.7/27

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

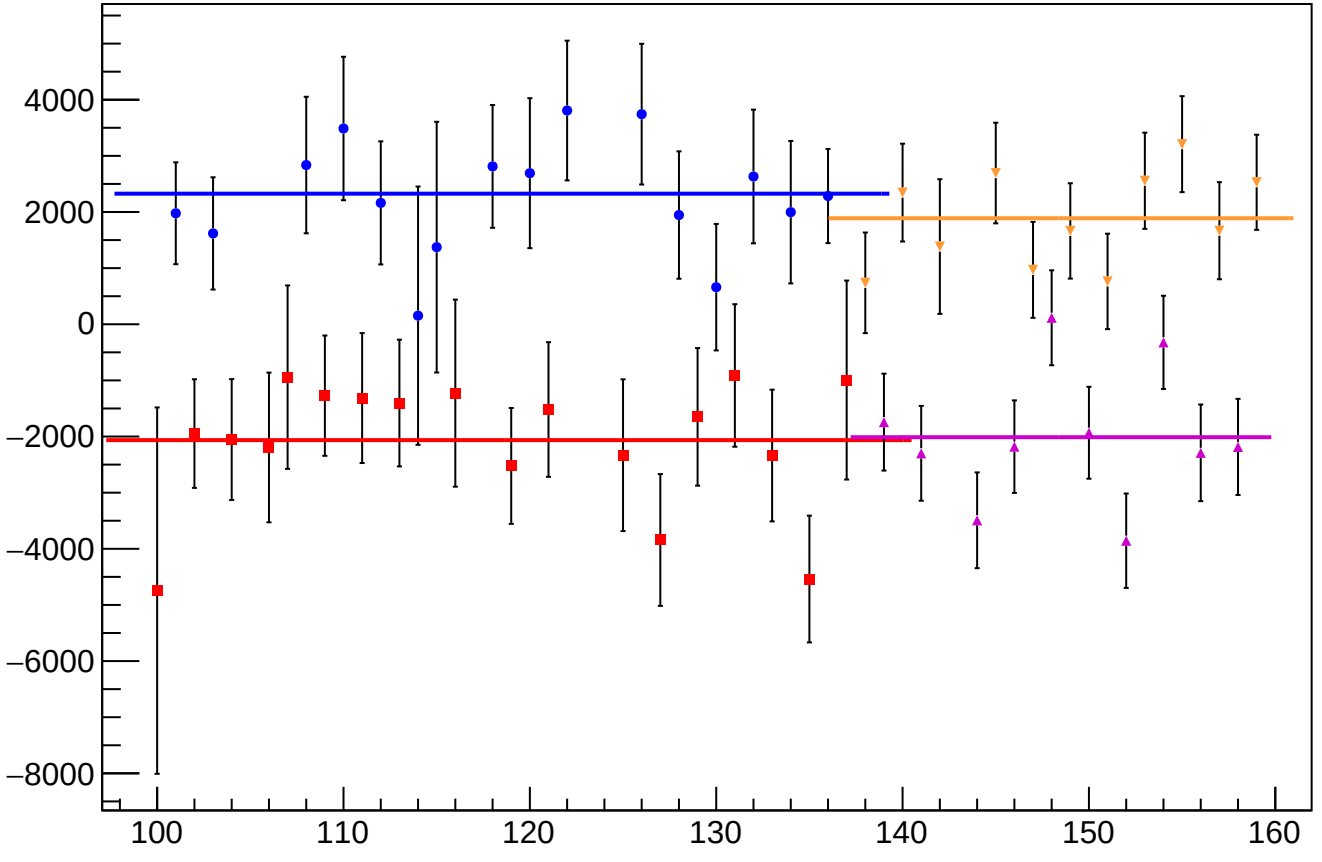
Left In: 1309.999+/-0.320 χ^2/NDF:535255.5/9

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

All: 1260.461+/-0.161 χ^2/NDF: 2236196.6/54

- sign 1274.040+/-0.229 χ^2/NDF: 958509.9/27

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

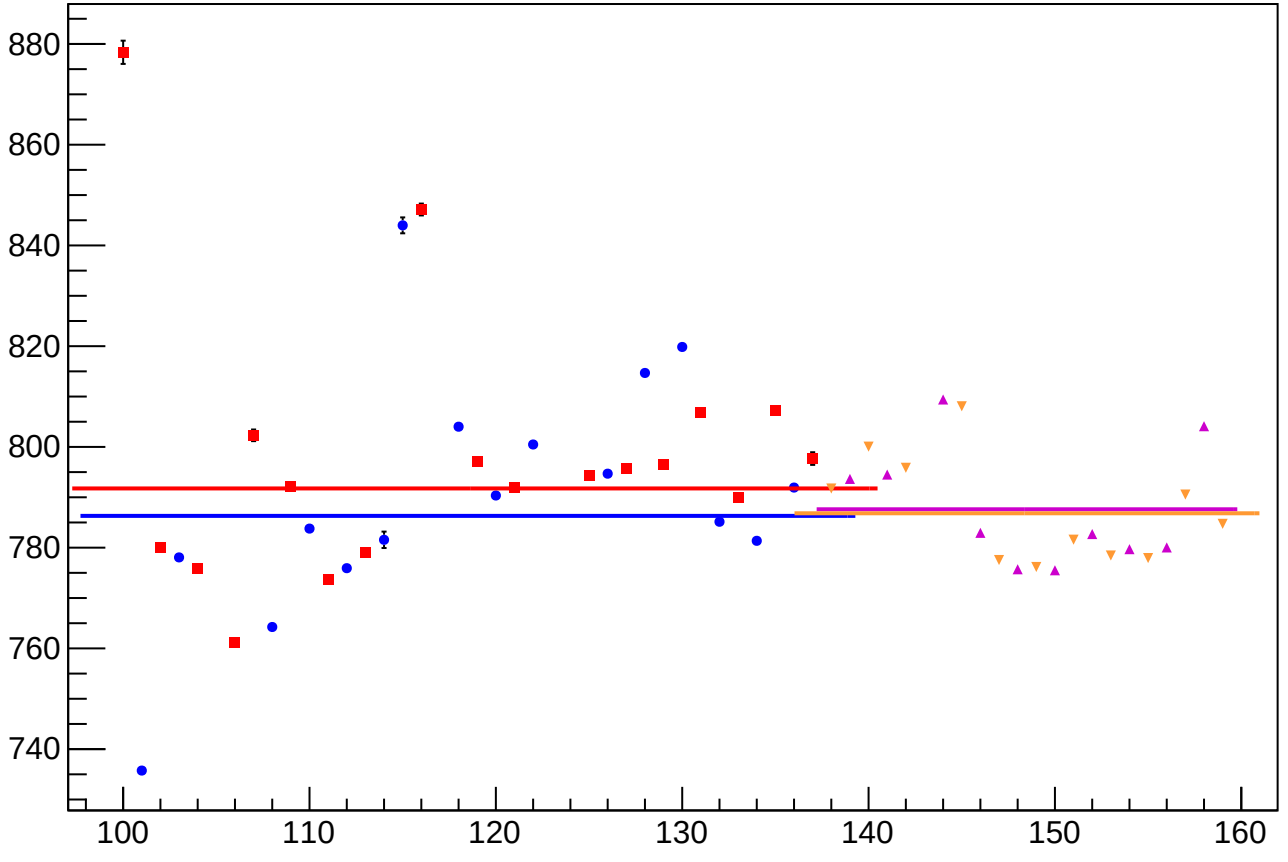
Left In: -2011.941+/-266.692 χ^2/NDF:18.7/9

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

All: 26.364+/-139.184 χ^2/NDF: 268.6/54

- sign -2035.624+/-196.856 χ^2/NDF: 30.3/27

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

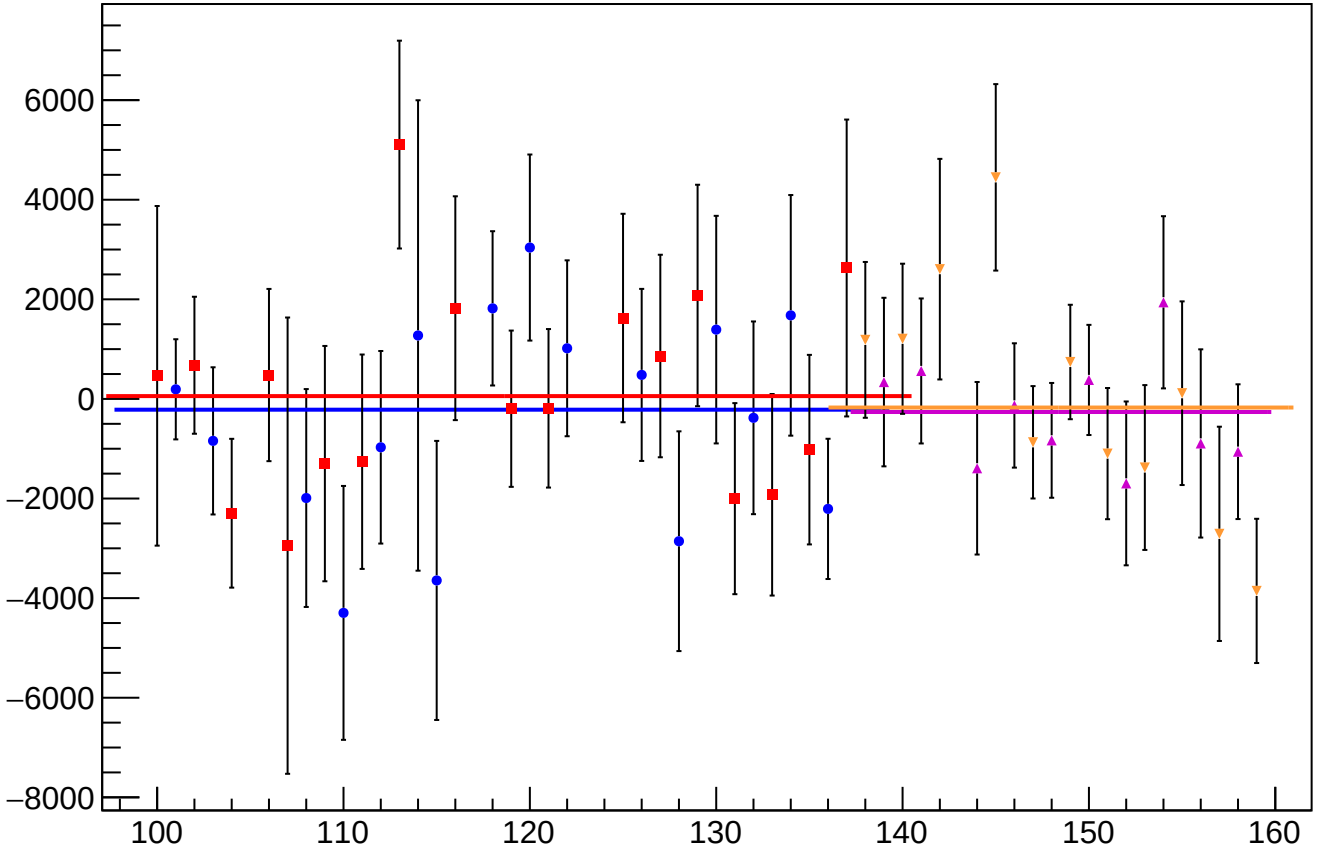
Left In: 787.618+/-0.189 χ^2/NDF:3582.4/9

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

All: 788.046+/-0.098 χ^2/NDF: 26451.2/54

- sign 789.501+/-0.139 χ^2/NDF: 10816.7/27

asym_us_avg_eigen_dit_correction_mean vs Slug



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

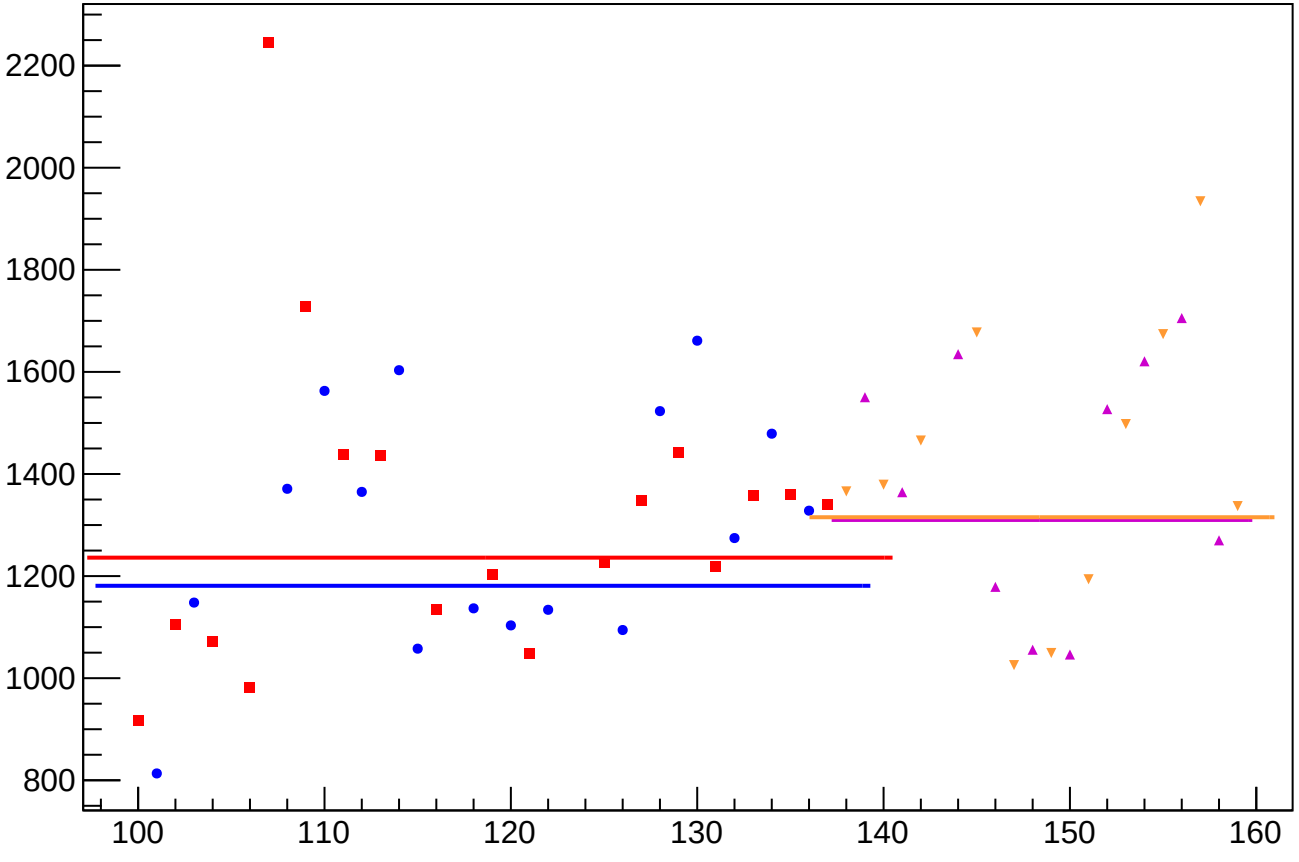
Left In: -262.583+/-451.907 χ^2/NDF:4.3/9

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

All: -151.435+/-227.629 χ^2/NDF: 54.2/54

- sign -107.108+/-323.730 χ^2/NDF: 19.7/27

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

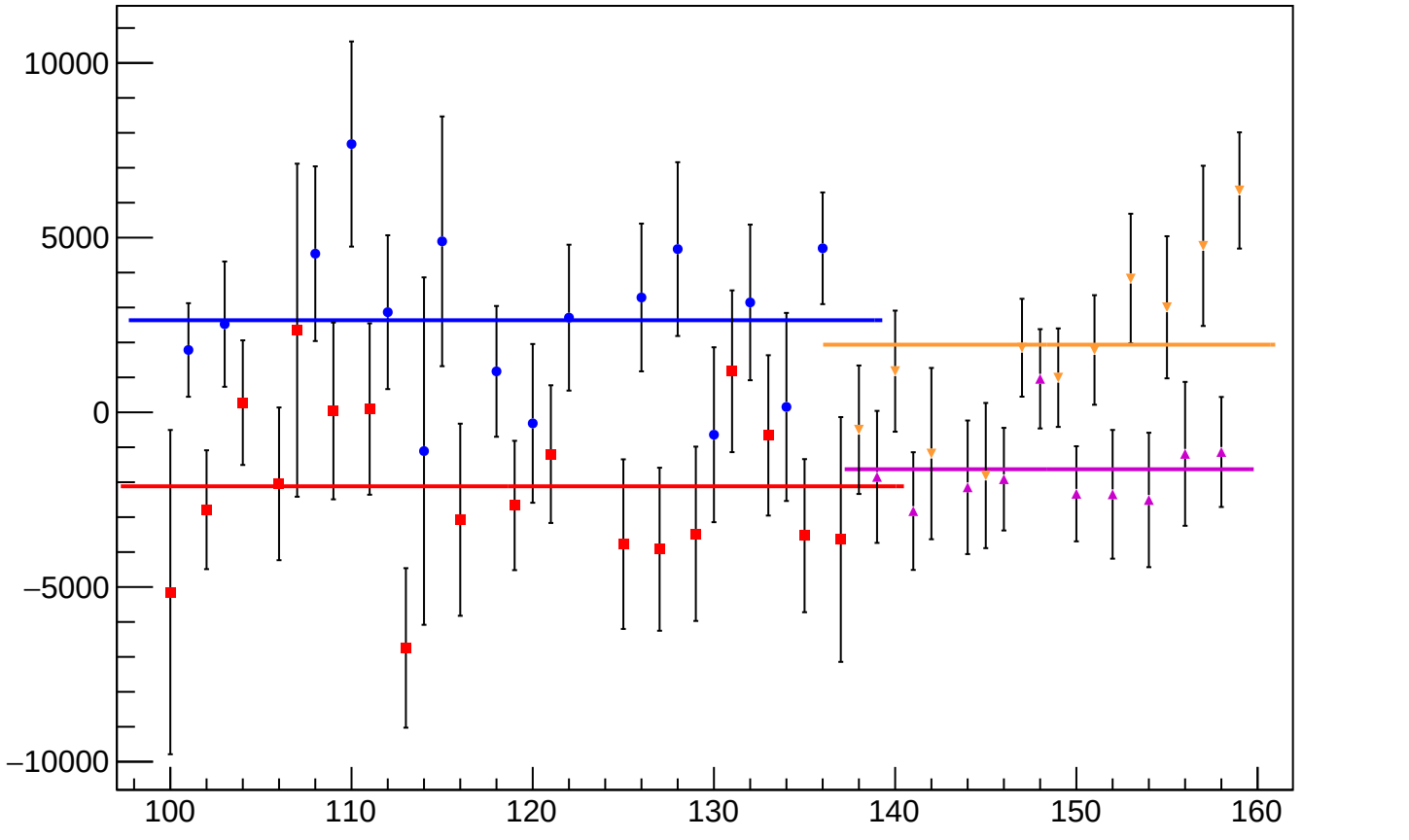
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1310.001+/-0.320 χ^2/NDF:535256.4/9

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

All: 1260.461+/-0.161 χ^2/NDF: 2236207.5/54

- sign 1274.040+/-0.229 χ^2/NDF: 958513.4/27



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

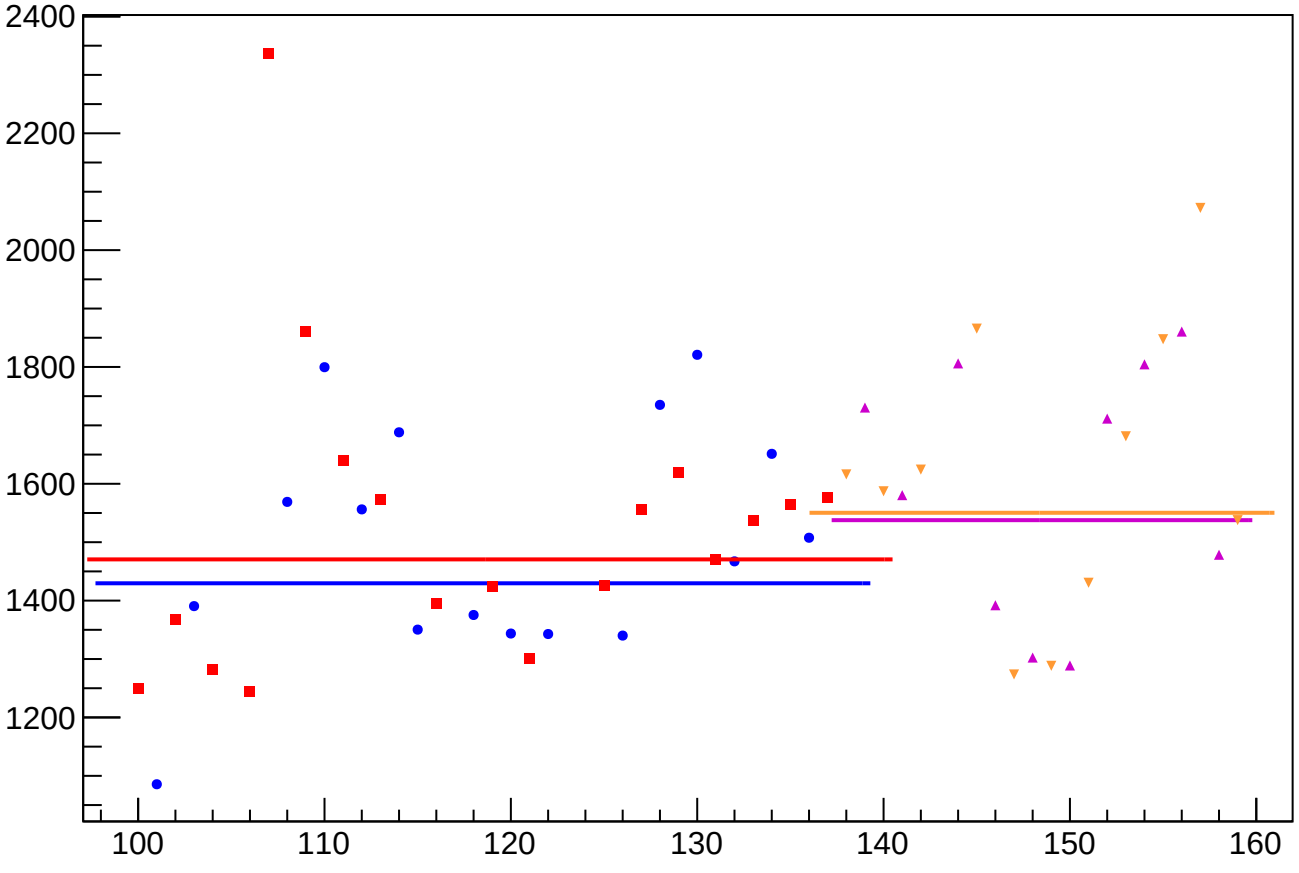
Left In: -1629.148+/-526.444 χ^2/NDF:4.7/9

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

All: 215.218+/-267.944 χ^2/NDF: 109.0/54

- sign -1863.598+/-379.472 χ^2/NDF: 18.9/27

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

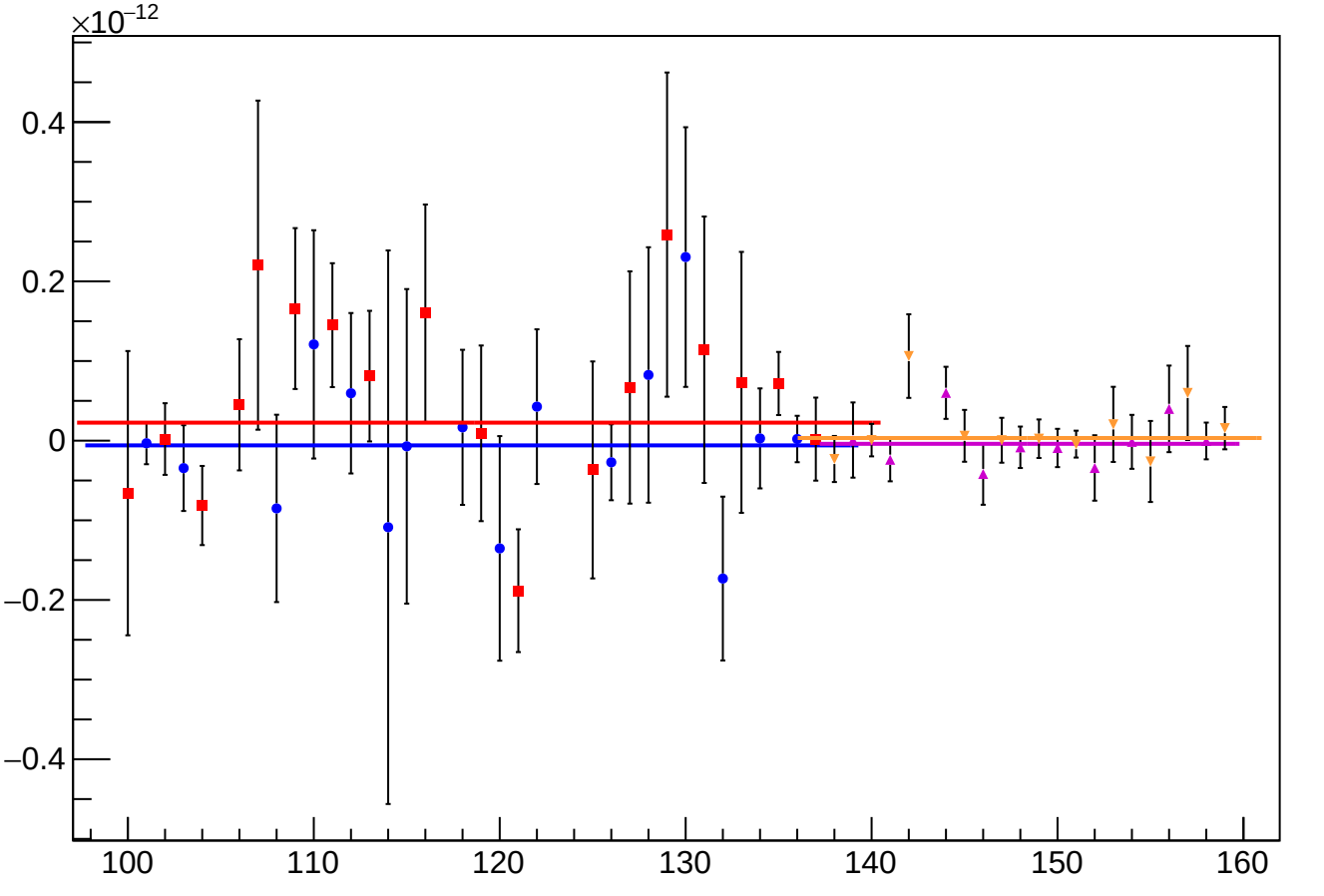
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1537.715+/-0.372 χ^2/NDF:311027.6/9

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

All: 1498.034+/-0.189 χ^2/NDF: 1256999.2/54

- sign 1505.455+/-0.268 χ^2/NDF: 544727.6/27



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/10

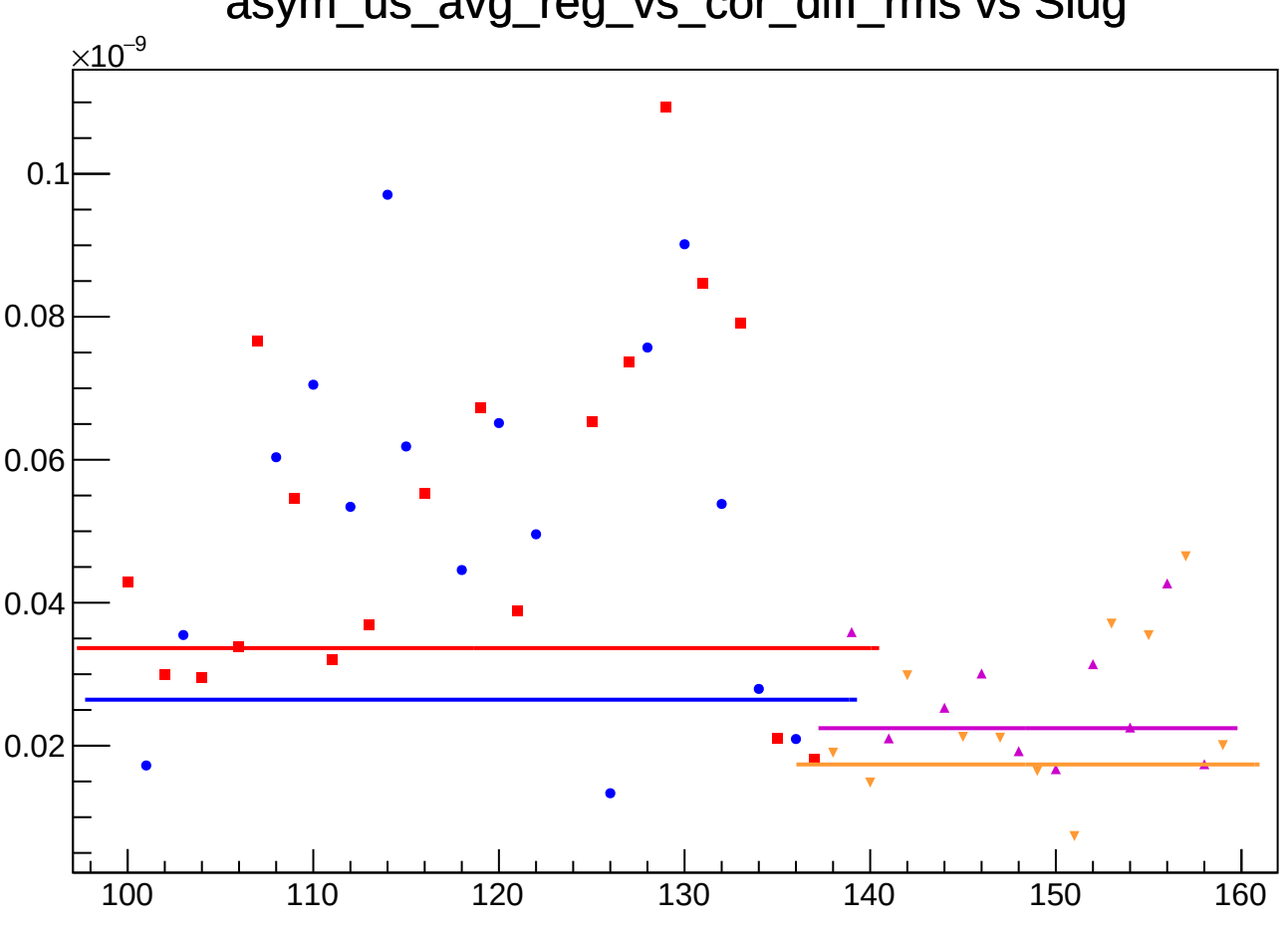
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:6.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 15.3/26

All: 0.000+/-0.000 χ^2/NDF: 46.7/54

- sign 0.000+/-0.000 χ^2/NDF: 31.4/27



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

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

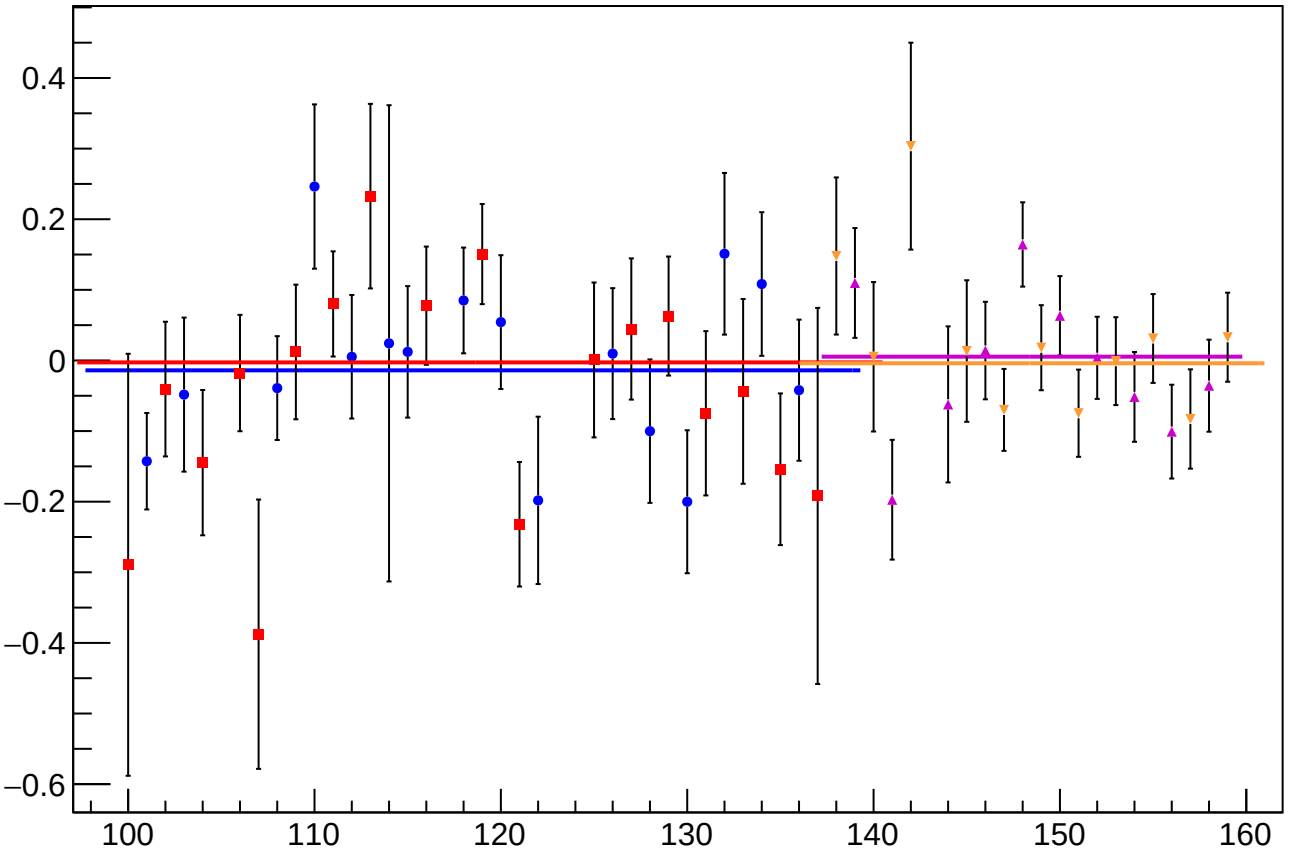
Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

Left In: 0.000+/-0.000 χ^2/NDF:873635.2/9

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

All: 0.000+/-0.000 χ^2/NDF: 8343313.4/54

- sign 0.000+/-0.000 χ^2/NDF: 3172278.7/27



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

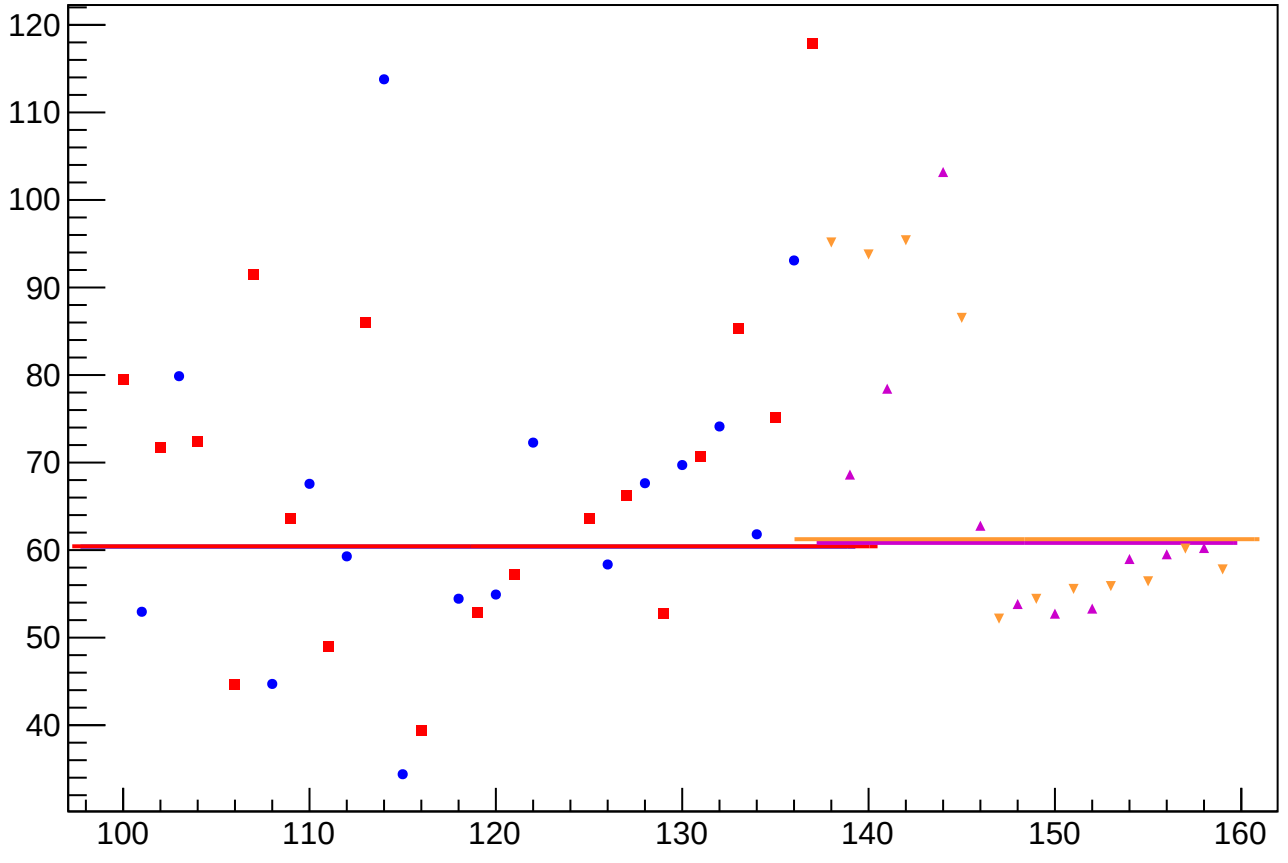
Left In: 0.005+/-0.021 χ^2/NDF:19.8/9

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

All: -0.003+/-0.011 χ^2/NDF: 80.2/54

- sign 0.002+/-0.016 χ^2/NDF: 47.6/27

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

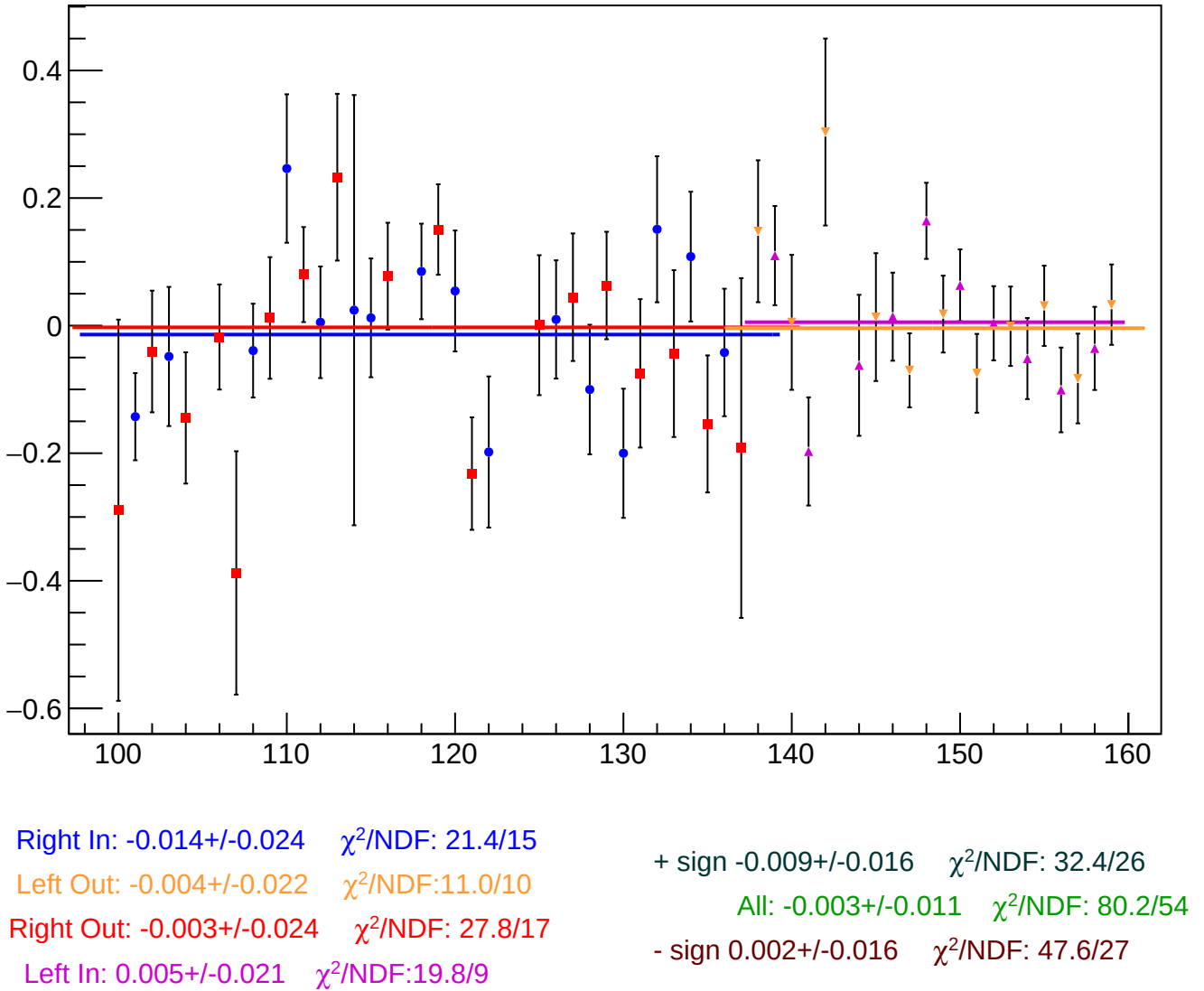
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.824+/-0.015 χ^2/NDF:506537.0/9

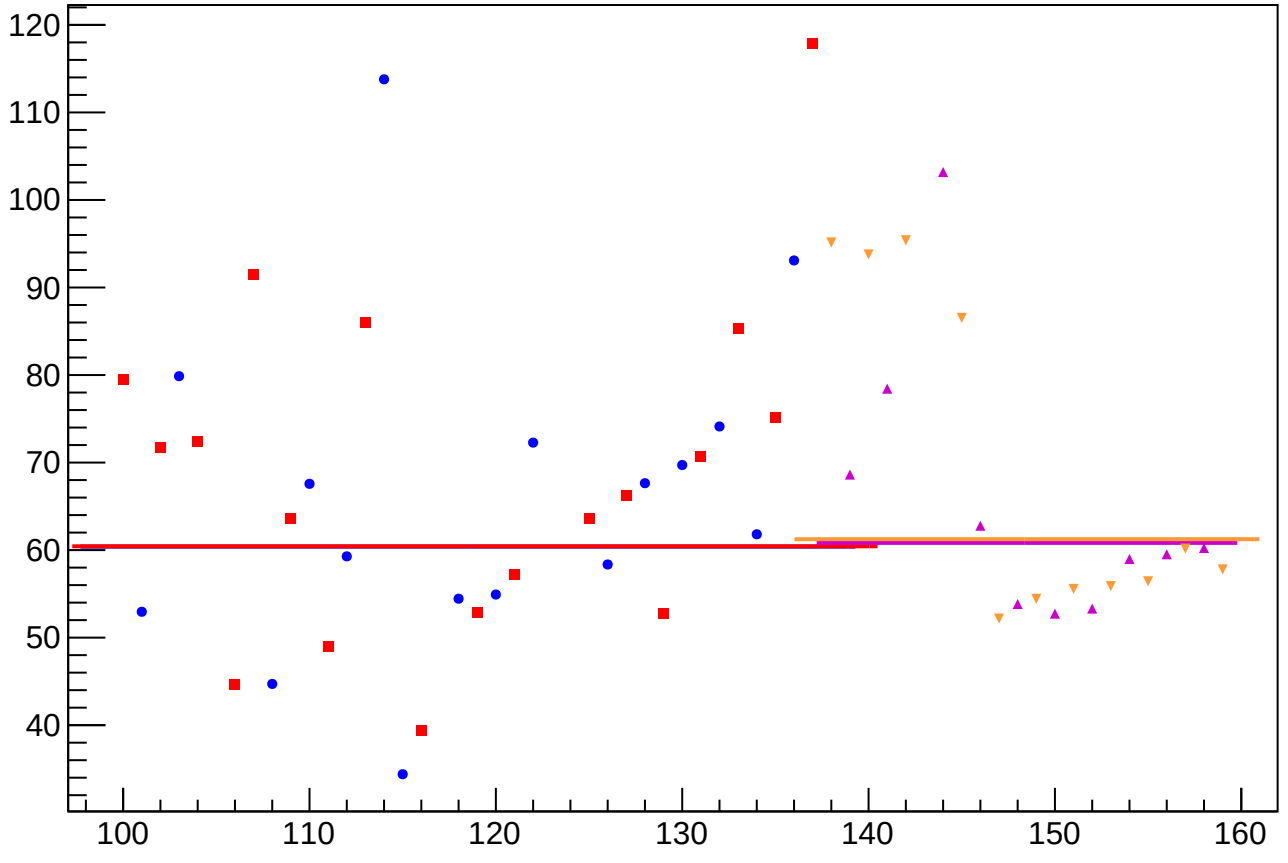
+ sign 60.862+/-0.011 χ^2/NDF: 1439533.1/26

All: 60.755+/-0.008 χ^2/NDF: 2657637.3/54

- sign 60.650+/-0.011 χ^2/NDF: 1217927.7/27


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.004+/-0.022 χ²/NDF:11.0/10
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.005+/-0.021 χ²/NDF:19.8/9
+ sign -0.009+/-0.016 χ²/NDF: 32.4/26
All: -0.003+/-0.011 χ²/NDF: 80.2/54
- sign 0.002+/-0.016 χ²/NDF: 47.6/27

asym_us_avg_dit_vs_eigen_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

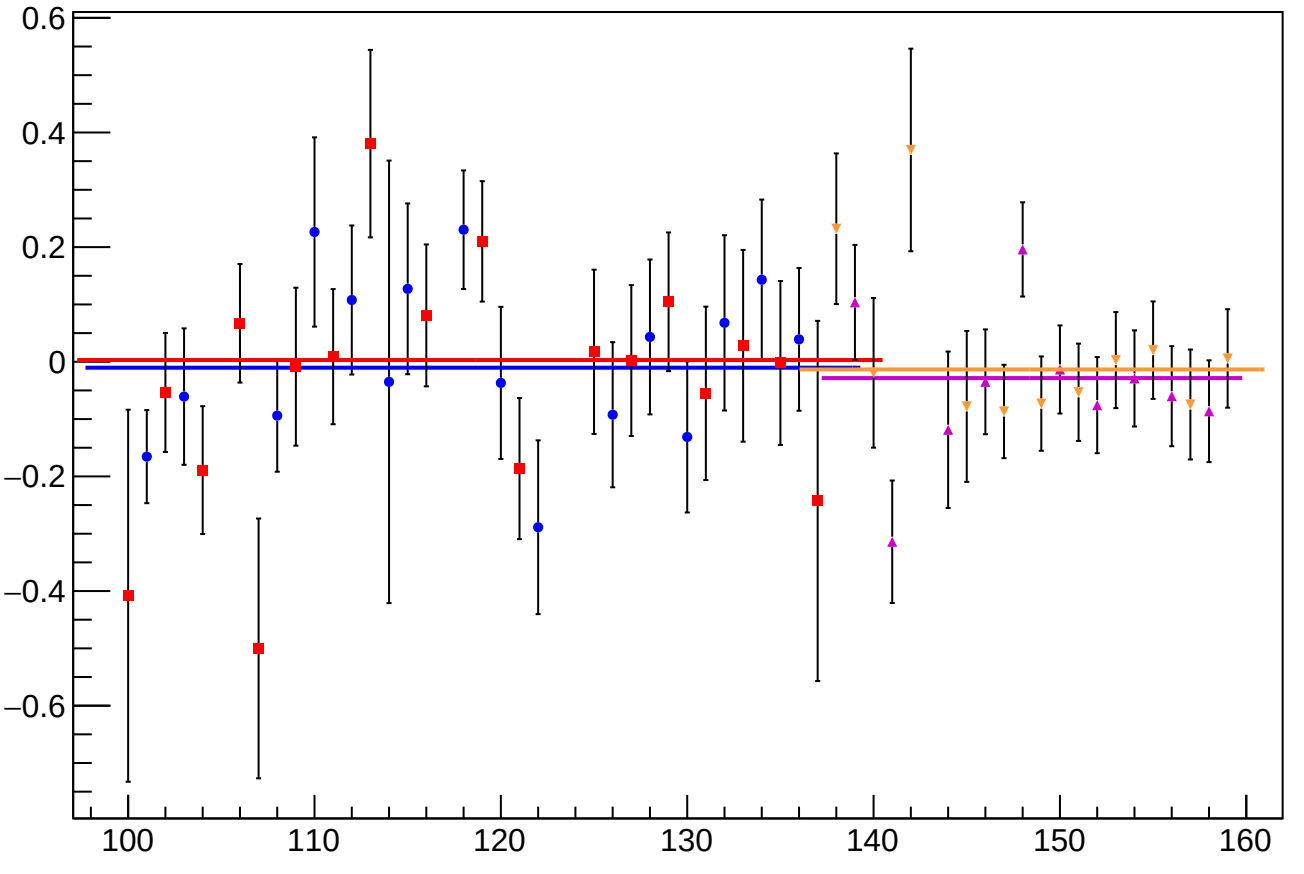
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.824+/-0.015 χ^2/NDF:506537.0/9

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

All: 60.755+/-0.008 χ^2/NDF: 2657637.3/54

- sign 60.650+/-0.011 χ^2/NDF: 1217927.7/27



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

Left Out: -0.013+/-0.029 χ^2/NDF:10.6/10

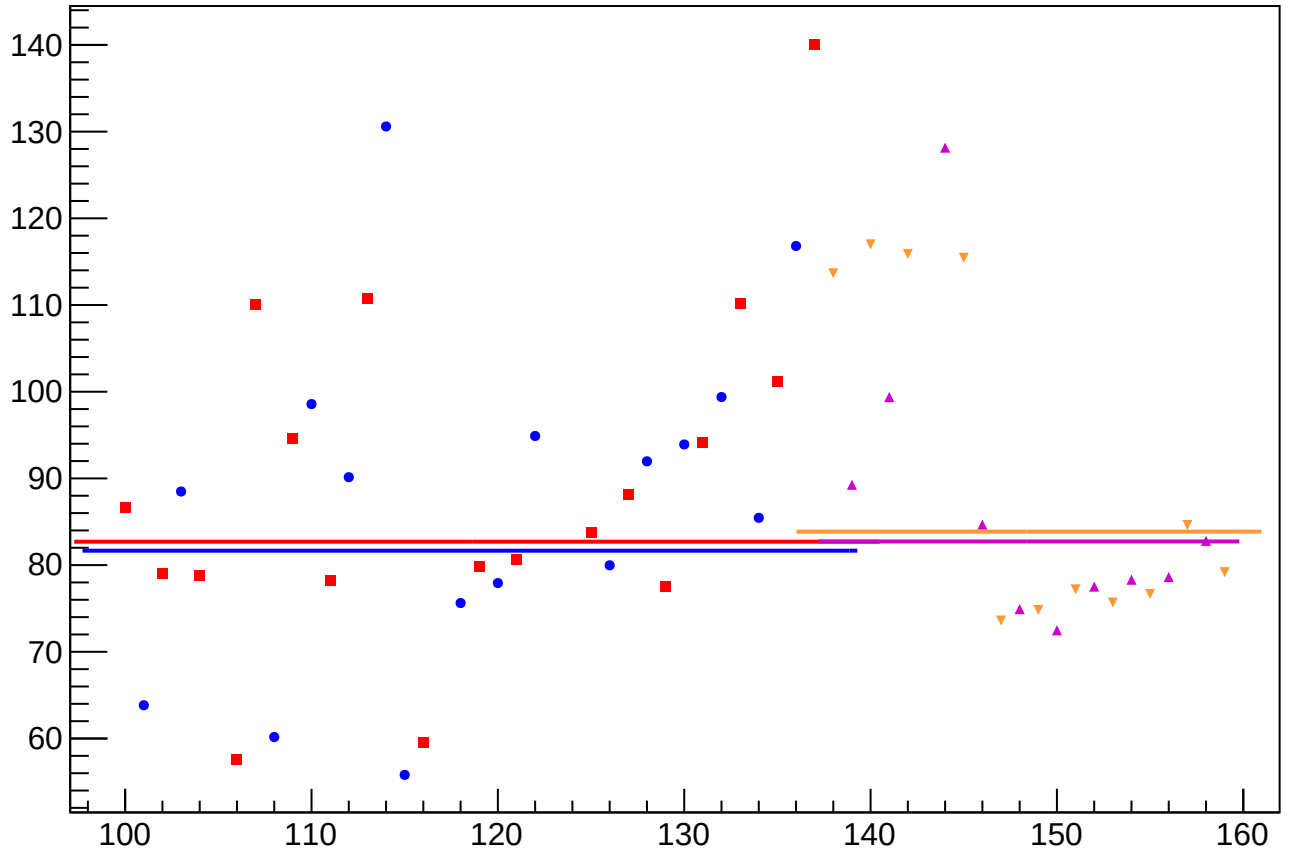
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.028+/-0.029 χ^2/NDF:17.7/9

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

All: -0.013+/-0.015 χ^2/NDF: 72.7/54

- sign -0.014+/-0.021 χ^2/NDF: 41.9/27



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

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

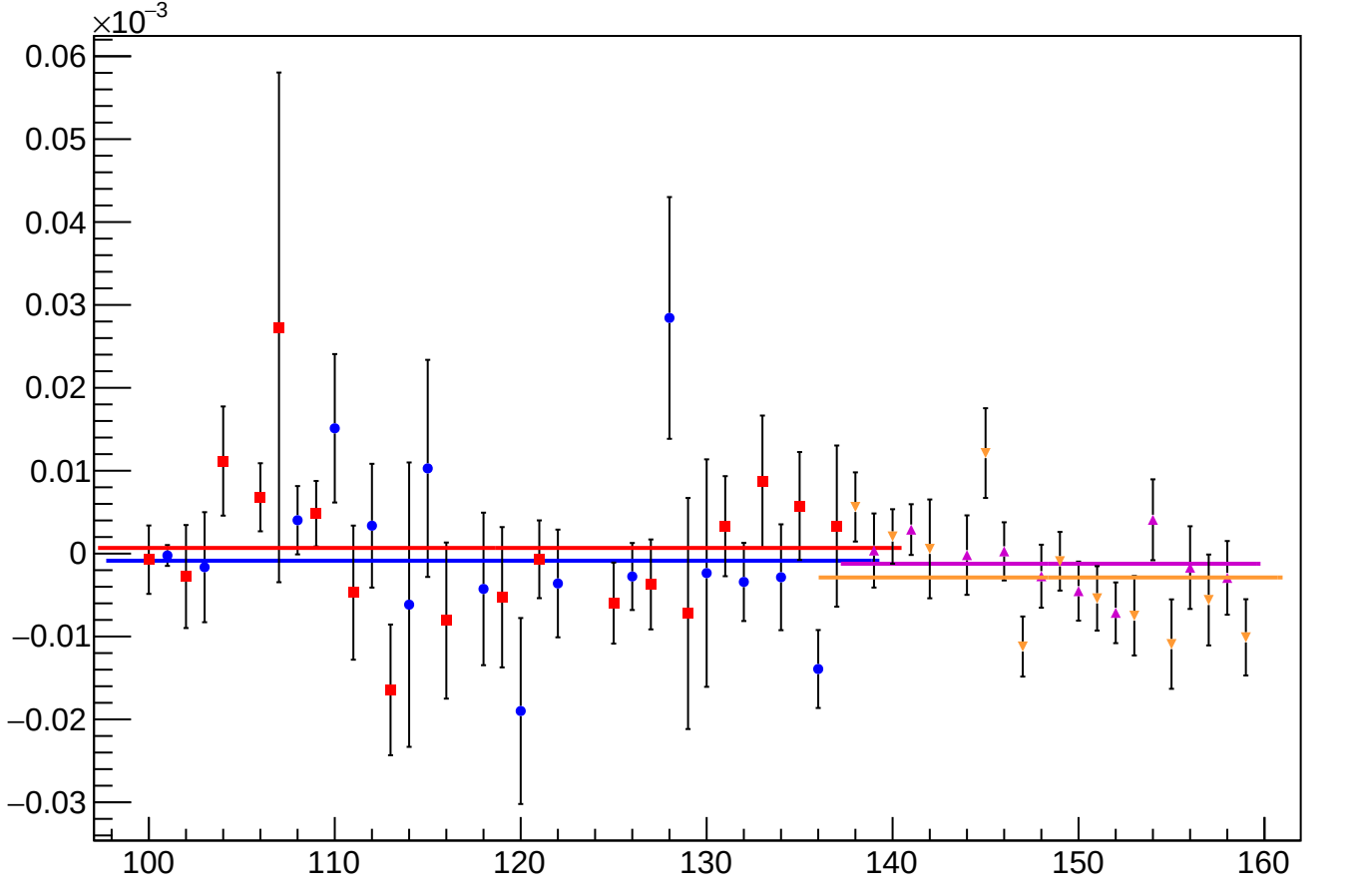
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 82.726+/-0.020 χ^2/NDF:350828.0/9

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

All: 82.781+/-0.011 χ^2/NDF: 1911053.0/54

- sign 82.715+/-0.015 χ^2/NDF: 823894.4/27



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

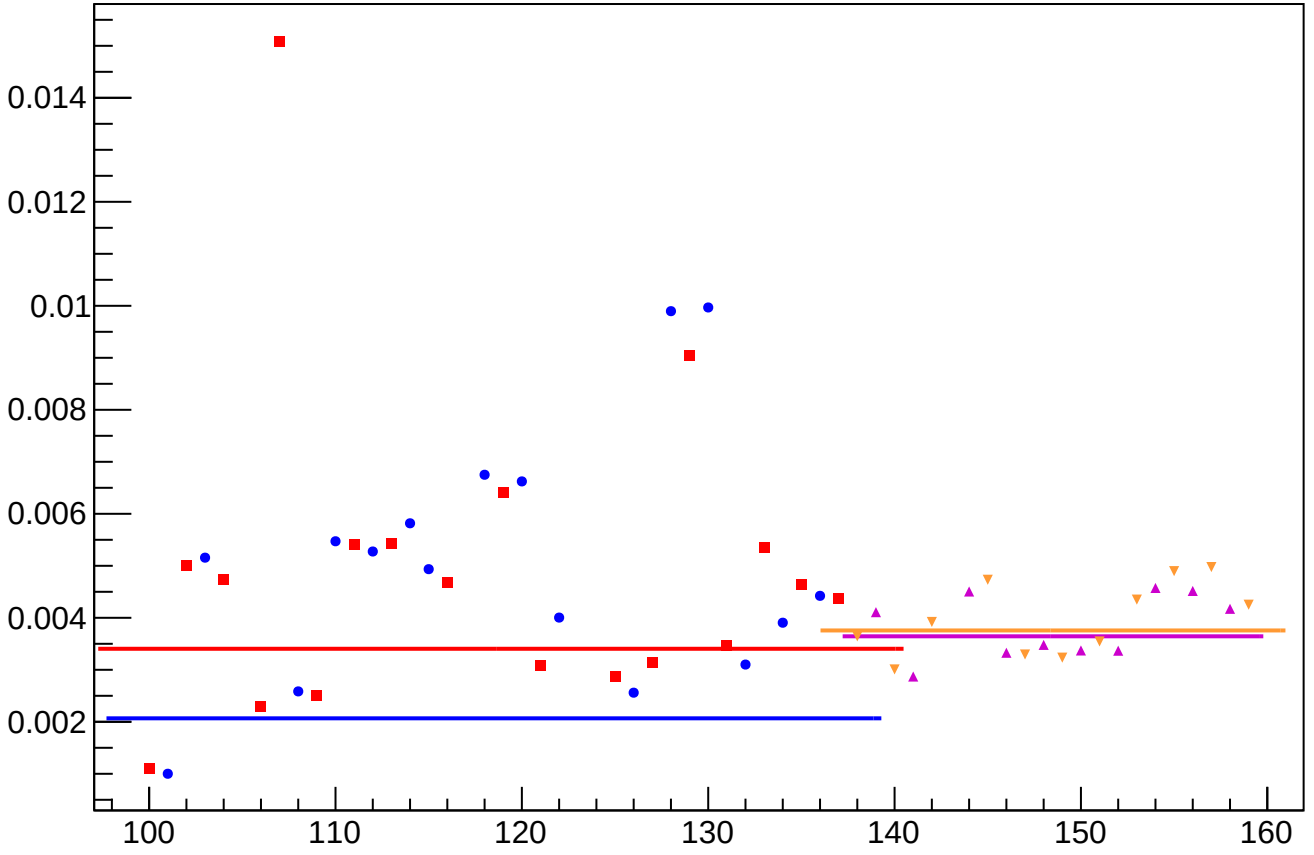
Left In: -0.000+/-0.000 χ^2/NDF:7.1/9

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

All: -0.000+/-0.000 χ^2/NDF: 76.6/54

- sign -0.000+/-0.000 χ^2/NDF: 26.5/27

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.004+/-0.000 χ^2/NDF:496069.5/10

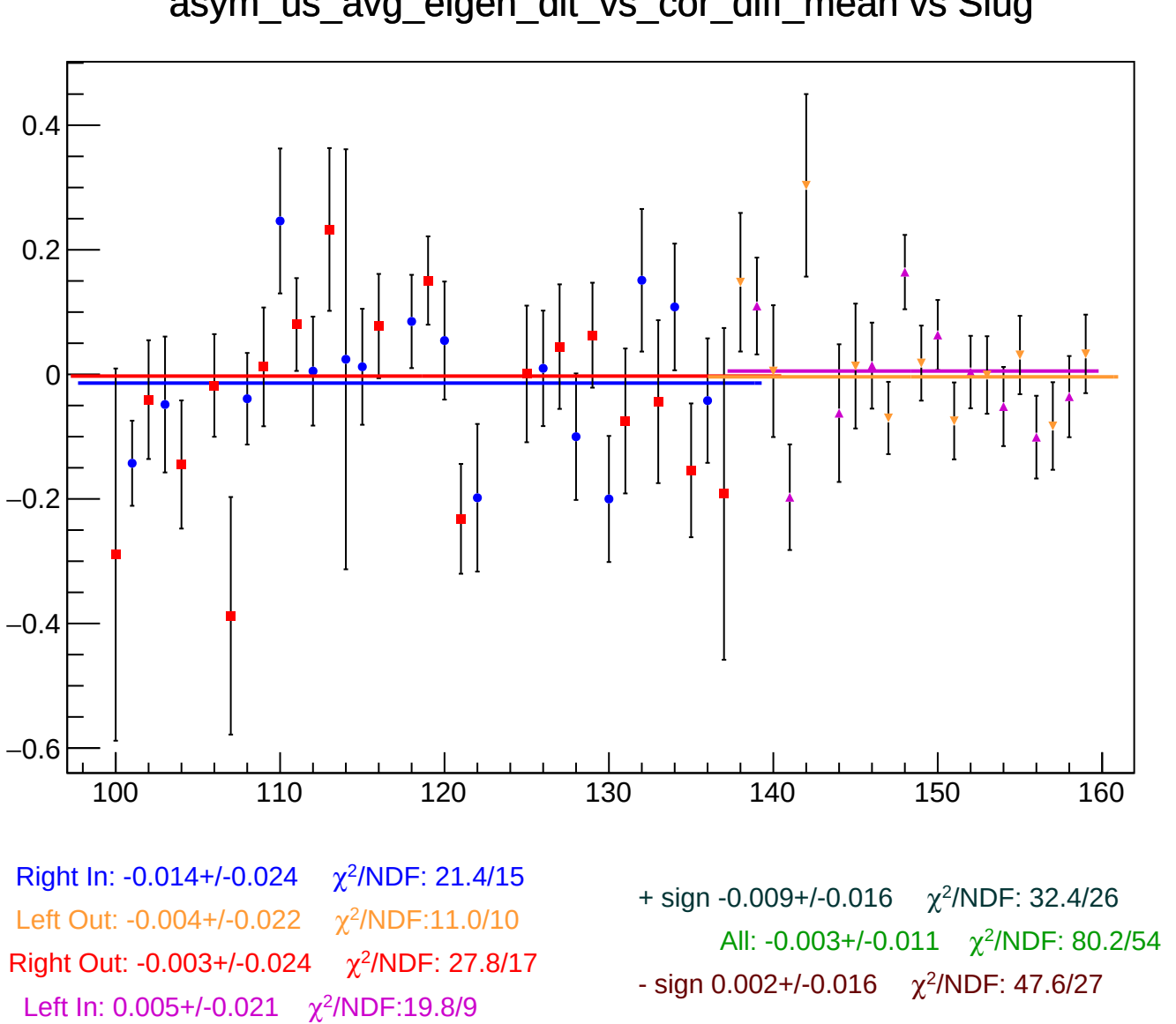
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.004+/-0.000 χ^2/NDF:419266.7/9

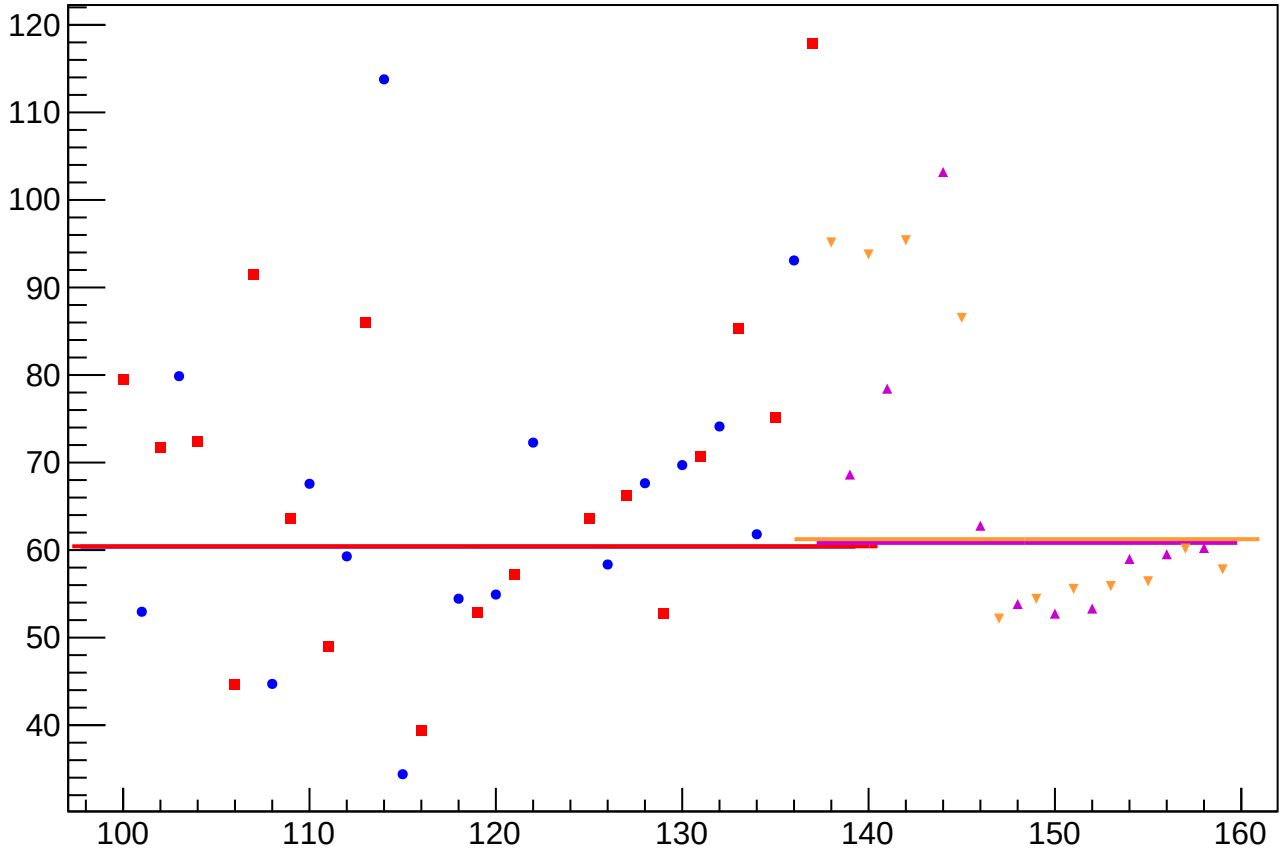
+ sign 0.003+/-0.000 χ^2/NDF: 8422293.8/26

All: 0.003+/-0.000 χ^2/NDF: 12286882.7/54

- sign 0.004+/-0.000 χ^2/NDF: 2942477.7/27


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.004+/-0.022 χ²/NDF:11.0/10
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.005+/-0.021 χ²/NDF:19.8/9
+ sign -0.009+/-0.016 χ²/NDF: 32.4/26
All: -0.003+/-0.011 χ²/NDF: 80.2/54
- sign 0.002+/-0.016 χ²/NDF: 47.6/27

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

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

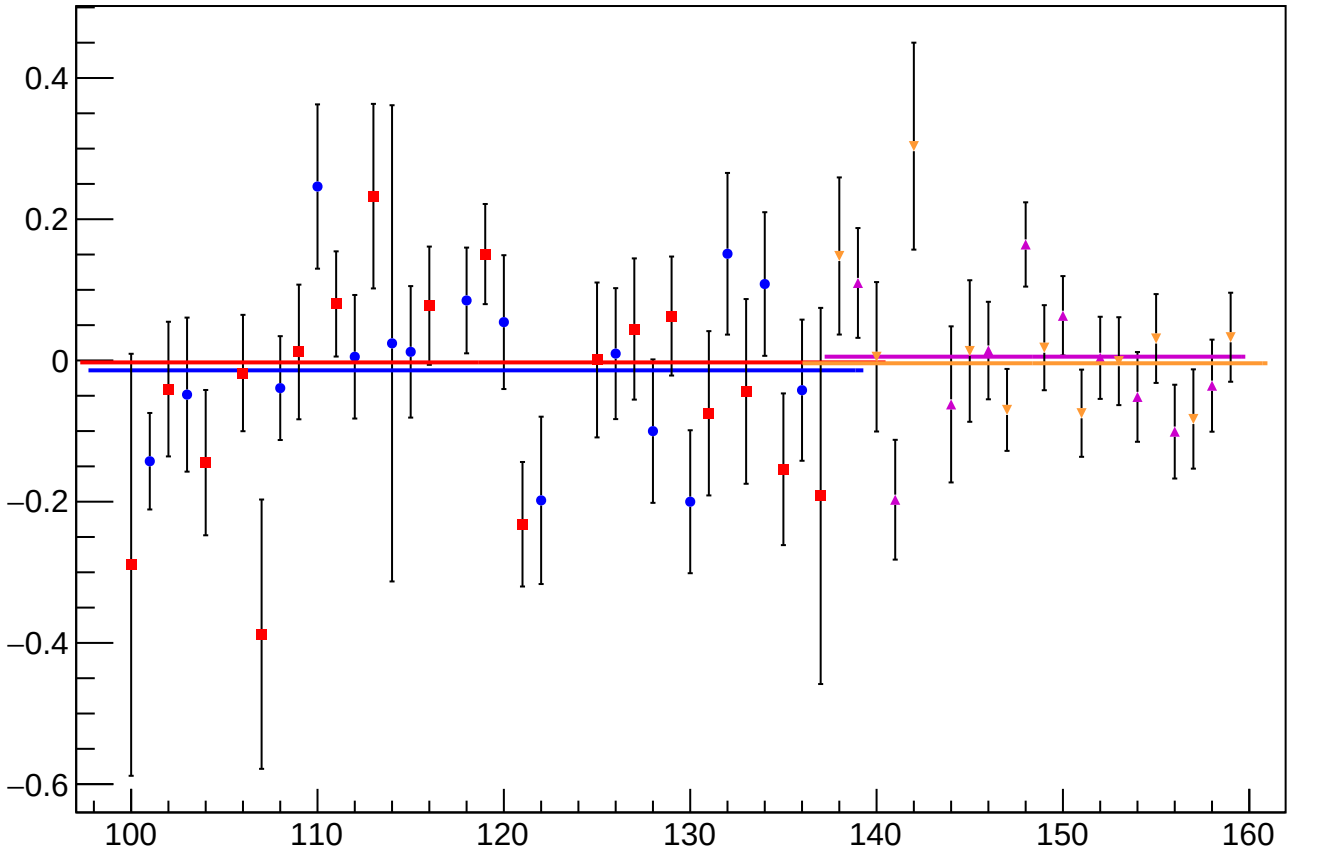
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.824+/-0.015 χ^2/NDF:506532.6/9

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

All: 60.754+/-0.008 χ^2/NDF: 2657675.1/54

- sign 60.650+/-0.011 χ^2/NDF: 1217955.3/27



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

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

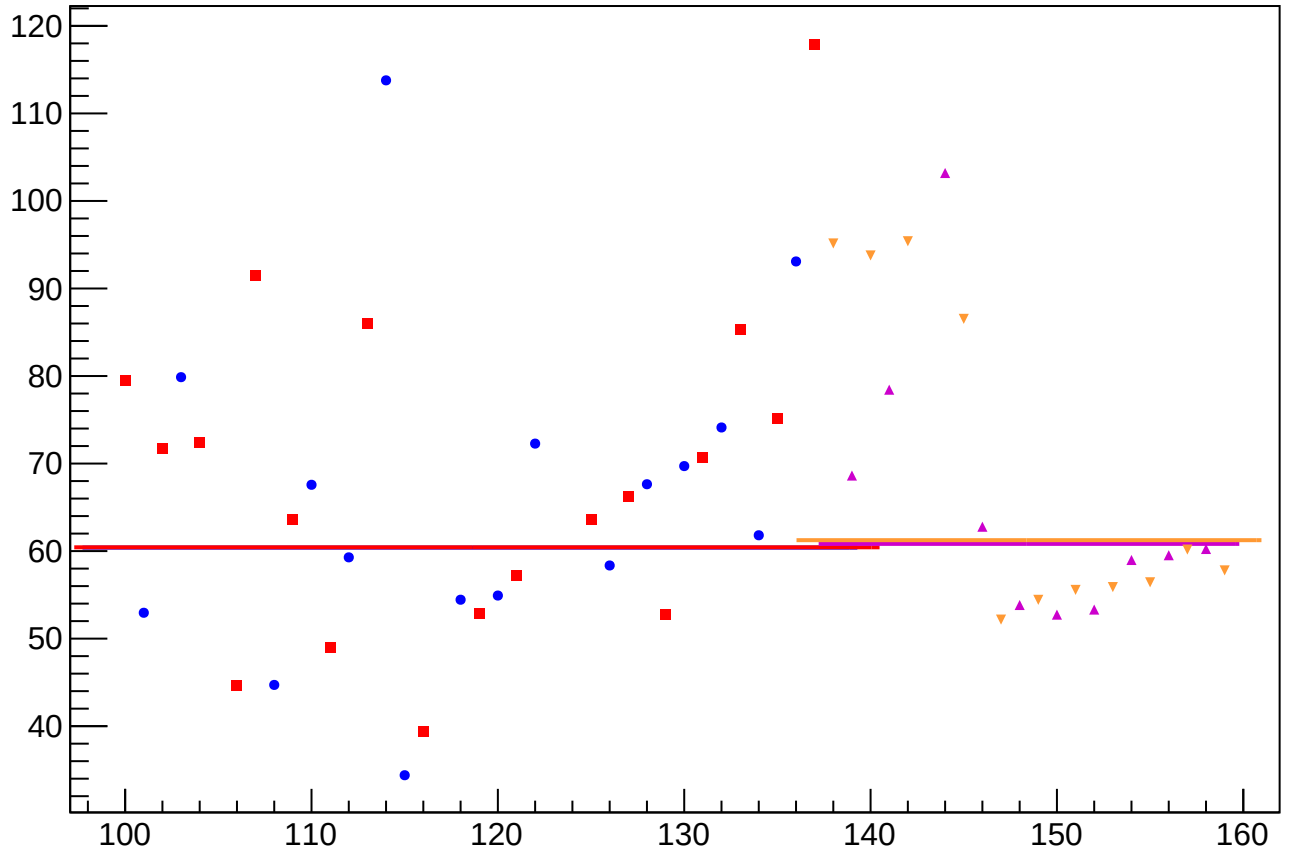
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.005+/-0.021 χ^2/NDF:19.8/9

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

All: -0.003+/-0.011 χ^2/NDF: 80.2/54

- sign 0.002+/-0.016 χ^2/NDF: 47.6/27



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

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

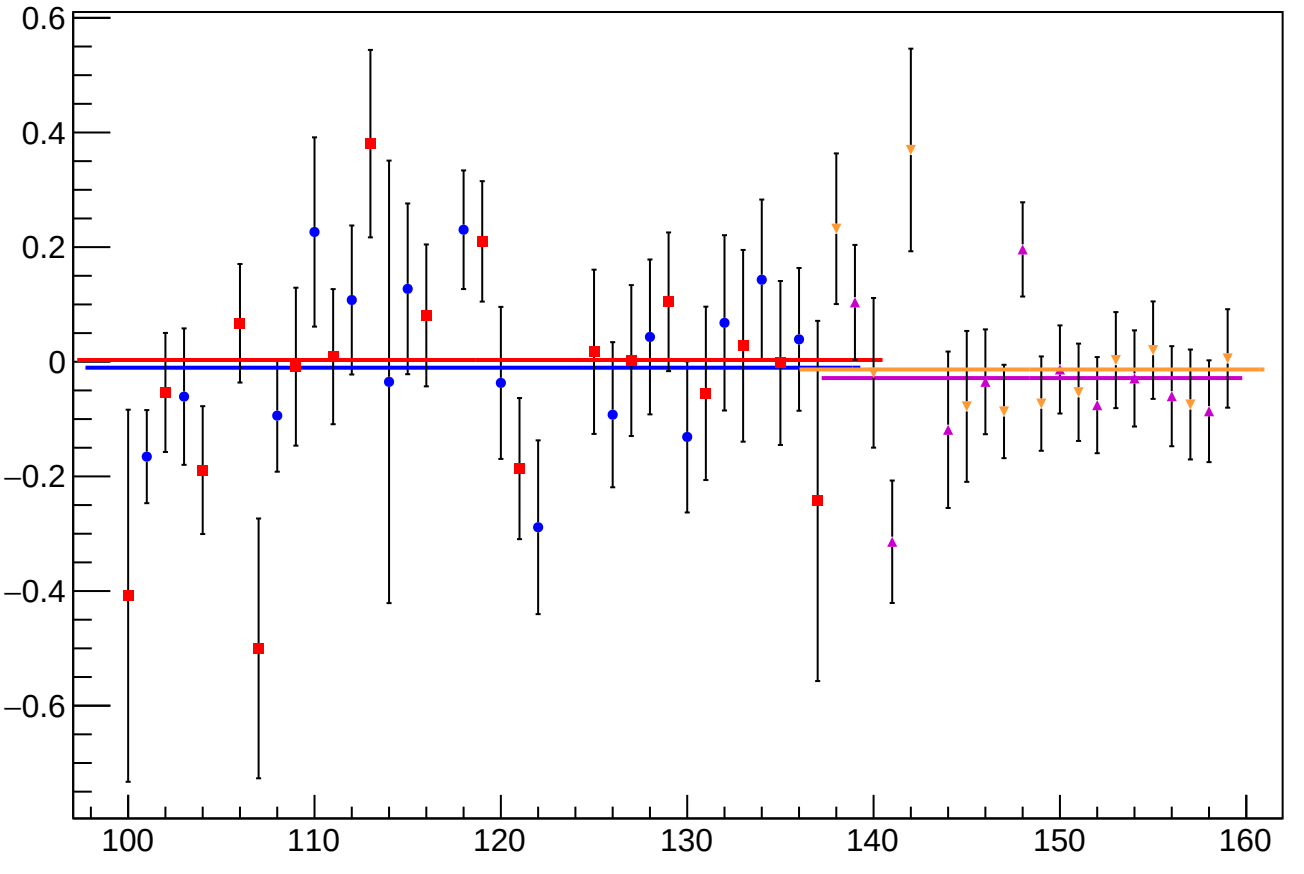
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.824+/-0.015 χ^2/NDF:506532.6/9

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

All: 60.754+/-0.008 χ^2/NDF: 2657675.1/54

- sign 60.650+/-0.011 χ^2/NDF: 1217955.3/27



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

Left Out: -0.013+/-0.029 χ^2/NDF:10.6/10

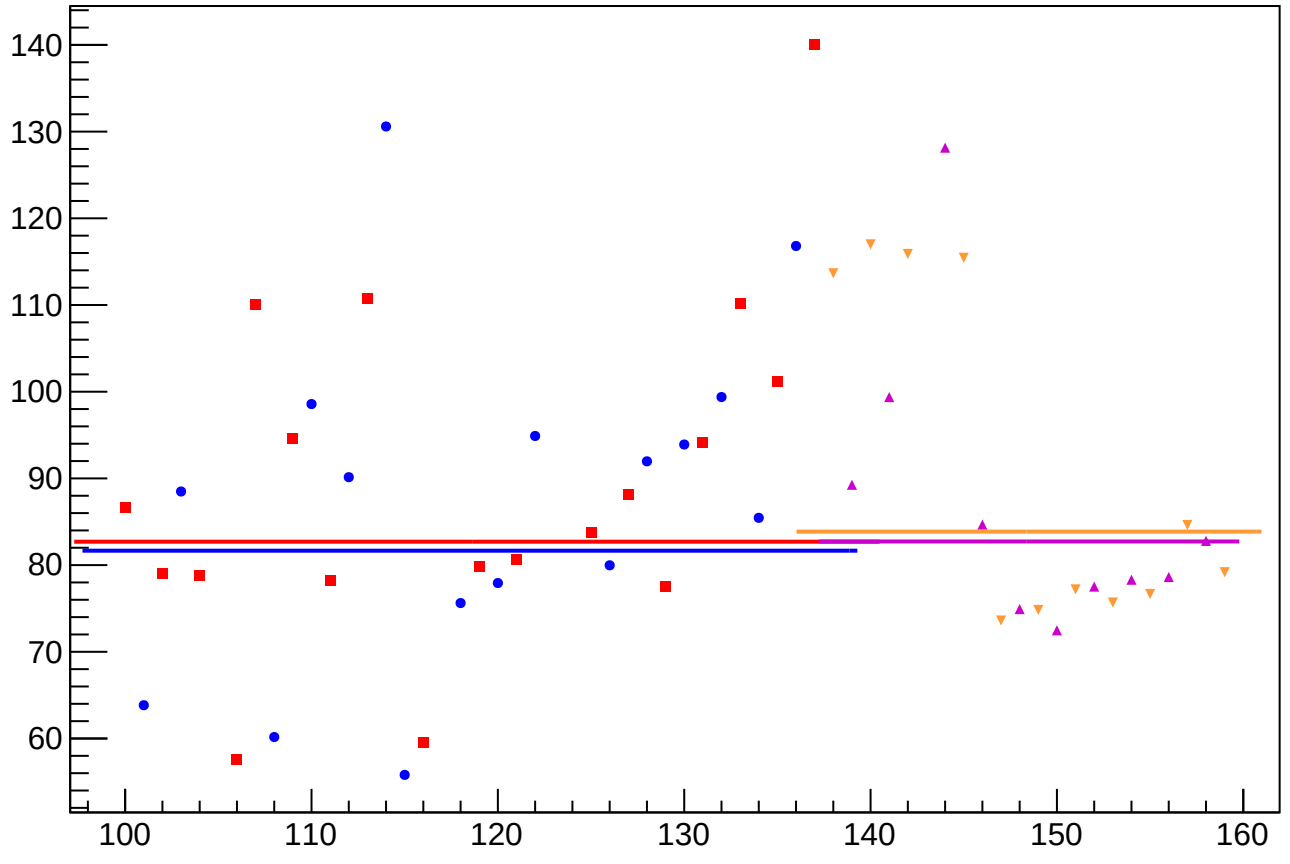
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.028+/-0.029 χ^2/NDF:17.7/9

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

All: -0.013+/-0.015 χ^2/NDF: 72.7/54

- sign -0.014+/-0.021 χ^2/NDF: 41.9/27



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

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

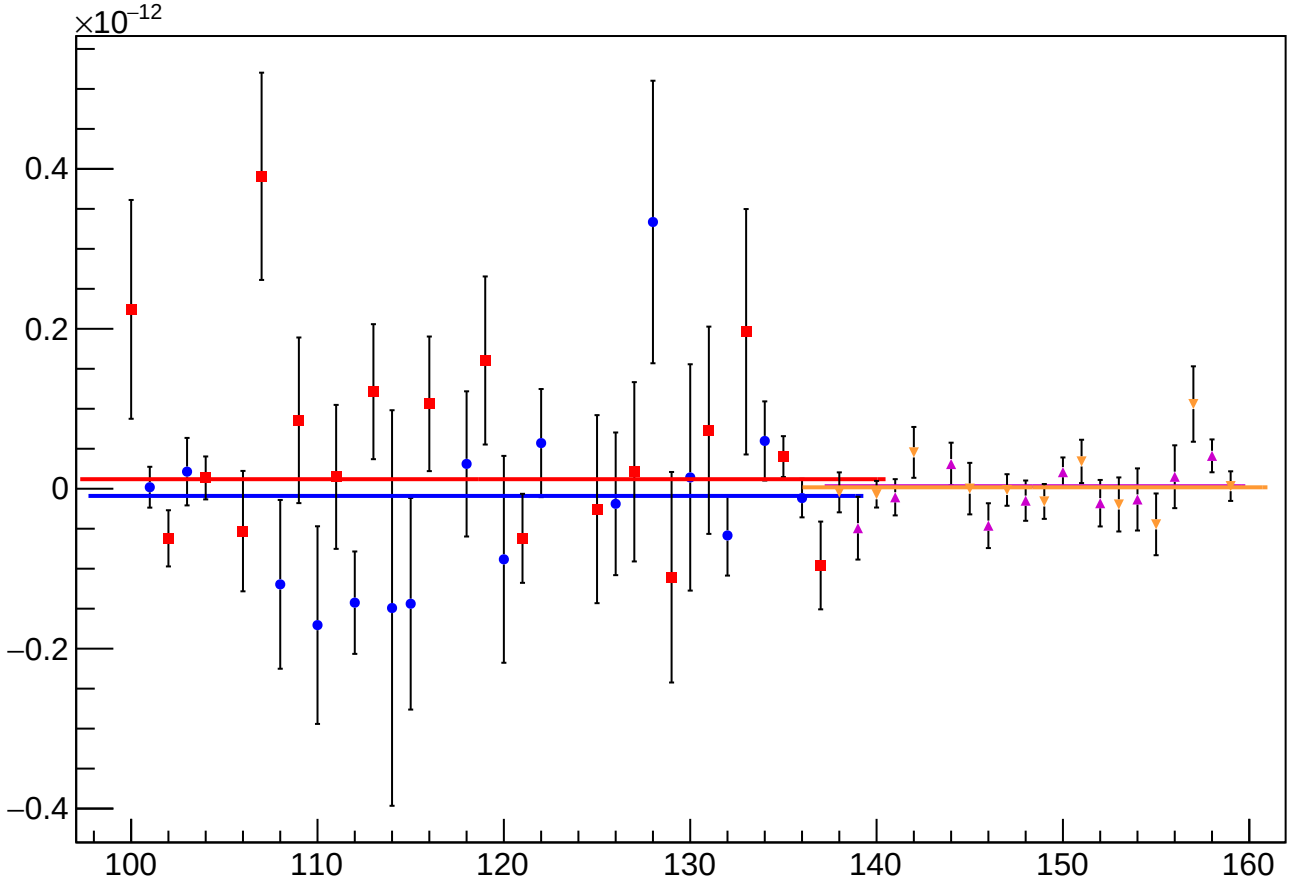
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

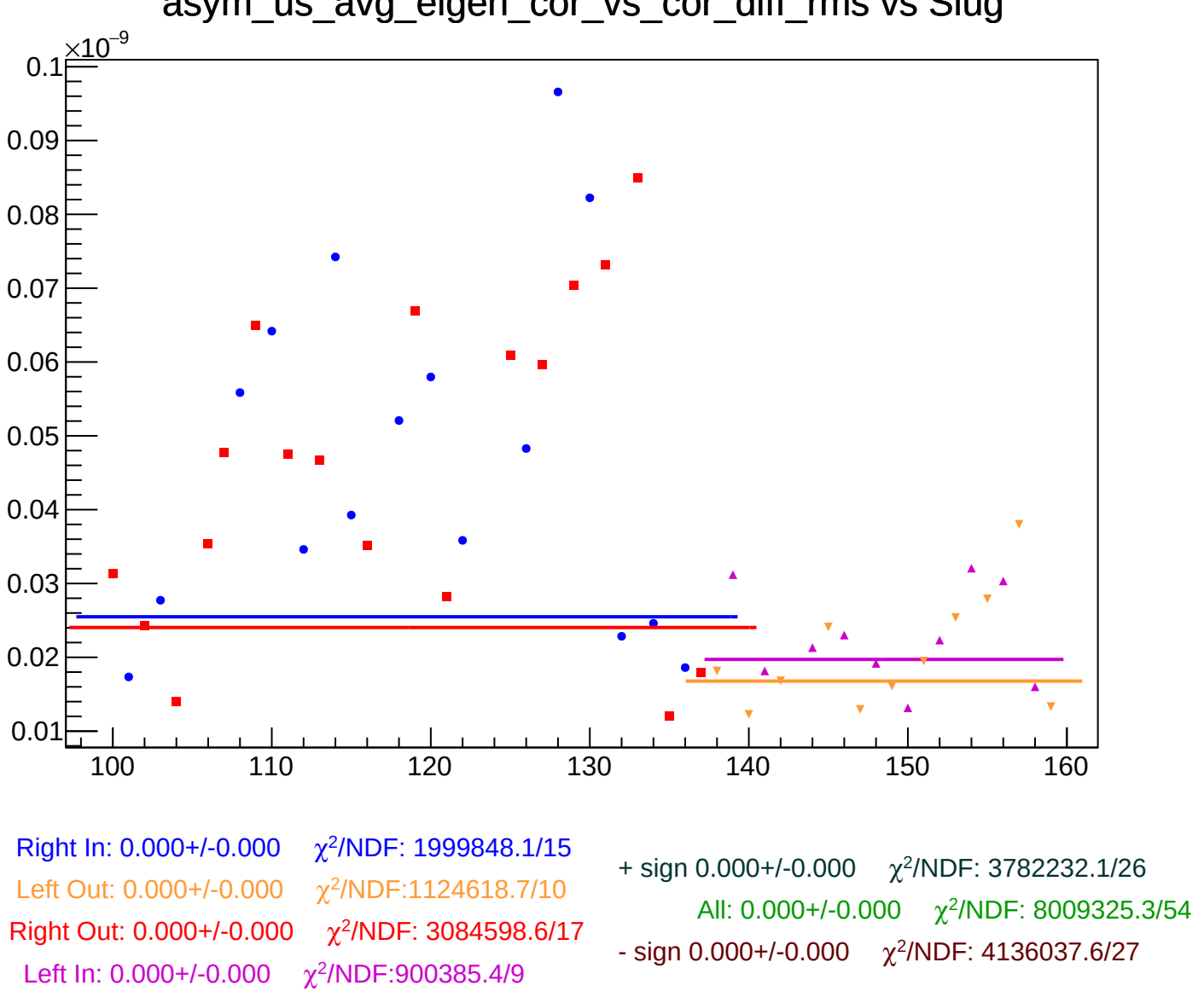
Left In: 82.727+/-0.020 χ^2/NDF:350827.3/9

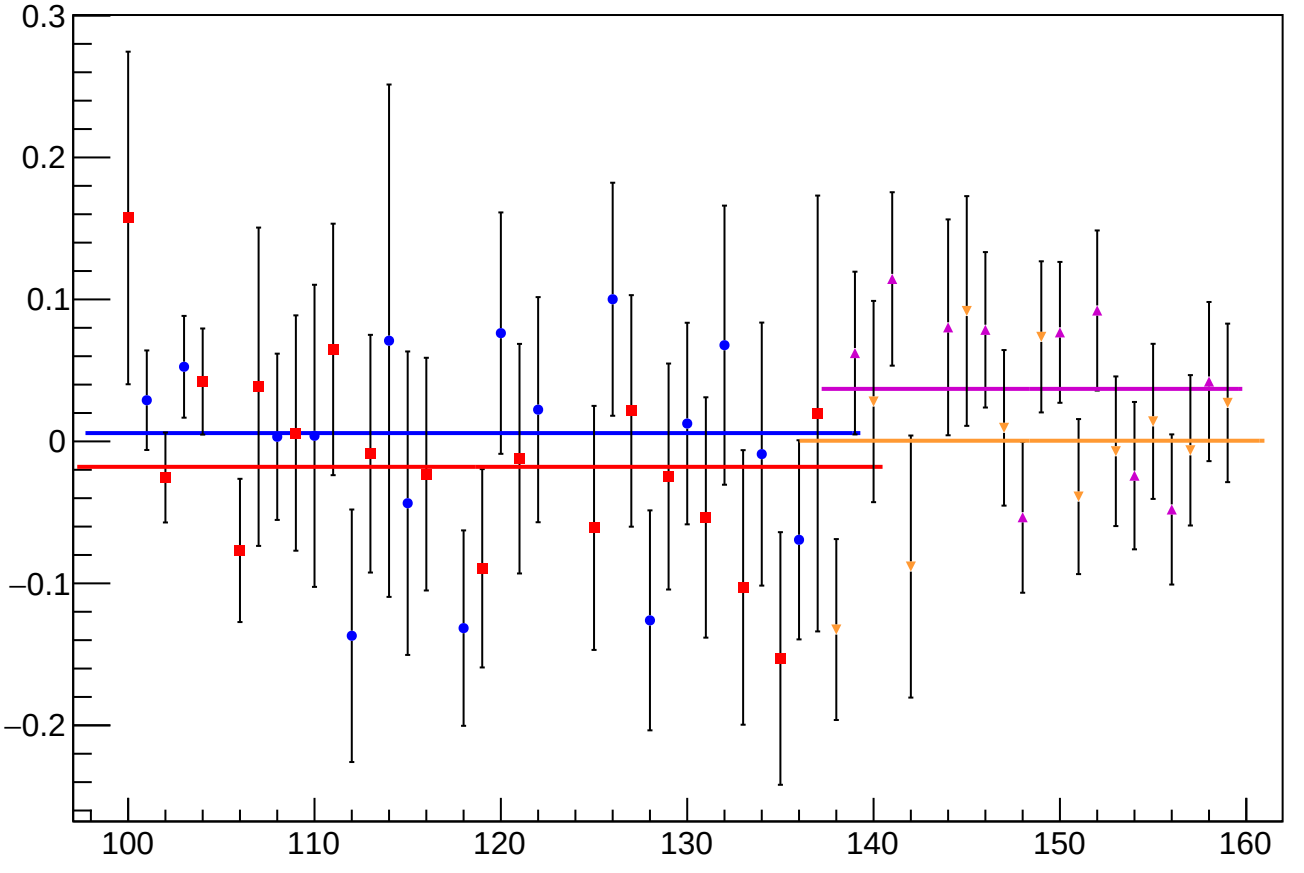
+ sign 82.848+/-0.015 χ^2/NDF: 1087108.2/26

All: 82.781+/-0.011 χ^2/NDF: 1911037.7/54

- sign 82.715+/-0.015 χ^2/NDF: 823890.4/27


asym_us_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: 0.000+/-0.000 χ²/NDF:11.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 31.1/17
Left In: 0.000+/-0.000 χ²/NDF:12.0/9
+ sign -0.000+/-0.000 χ²/NDF: 29.0/26
All: 0.000+/-0.000 χ²/NDF: 72.8/54
- sign 0.000+/-0.000 χ²/NDF: 43.4/27


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1999848.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1124618.7/10
Right Out: 0.000+/-0.000 χ²/NDF: 3084598.6/17
Left In: 0.000+/-0.000 χ²/NDF:900385.4/9
+ sign 0.000+/-0.000 χ²/NDF: 3782232.1/26
All: 0.000+/-0.000 χ²/NDF: 8009325.3/54
- sign 0.000+/-0.000 χ²/NDF: 4136037.6/27



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

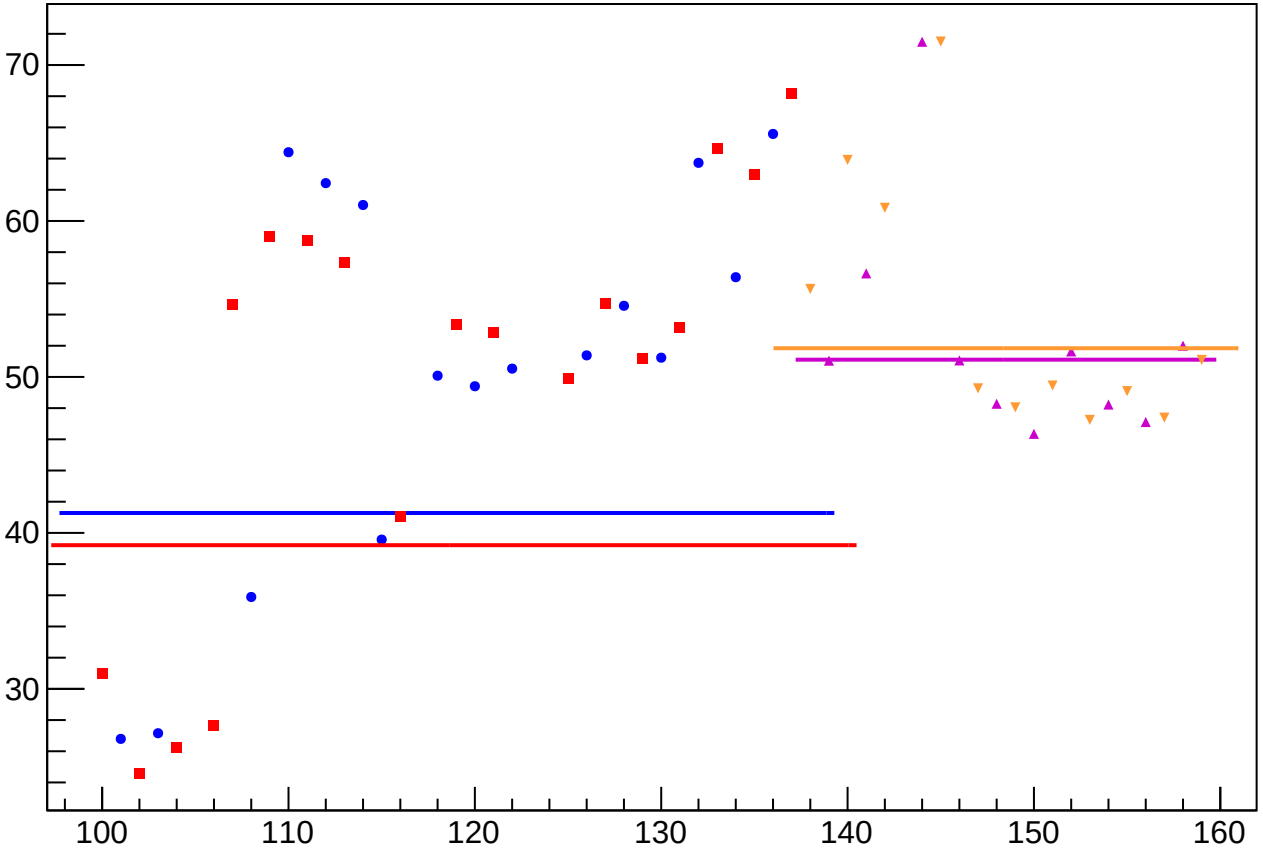
Left In: 0.037+/-0.018 χ^2/NDF:11.2/9

+ sign 0.003+/-0.012 χ^2/NDF: 25.1/26

All: 0.005+/-0.008 χ^2/NDF: 54.0/54

- sign 0.006+/-0.012 χ^2/NDF: 28.9/27

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

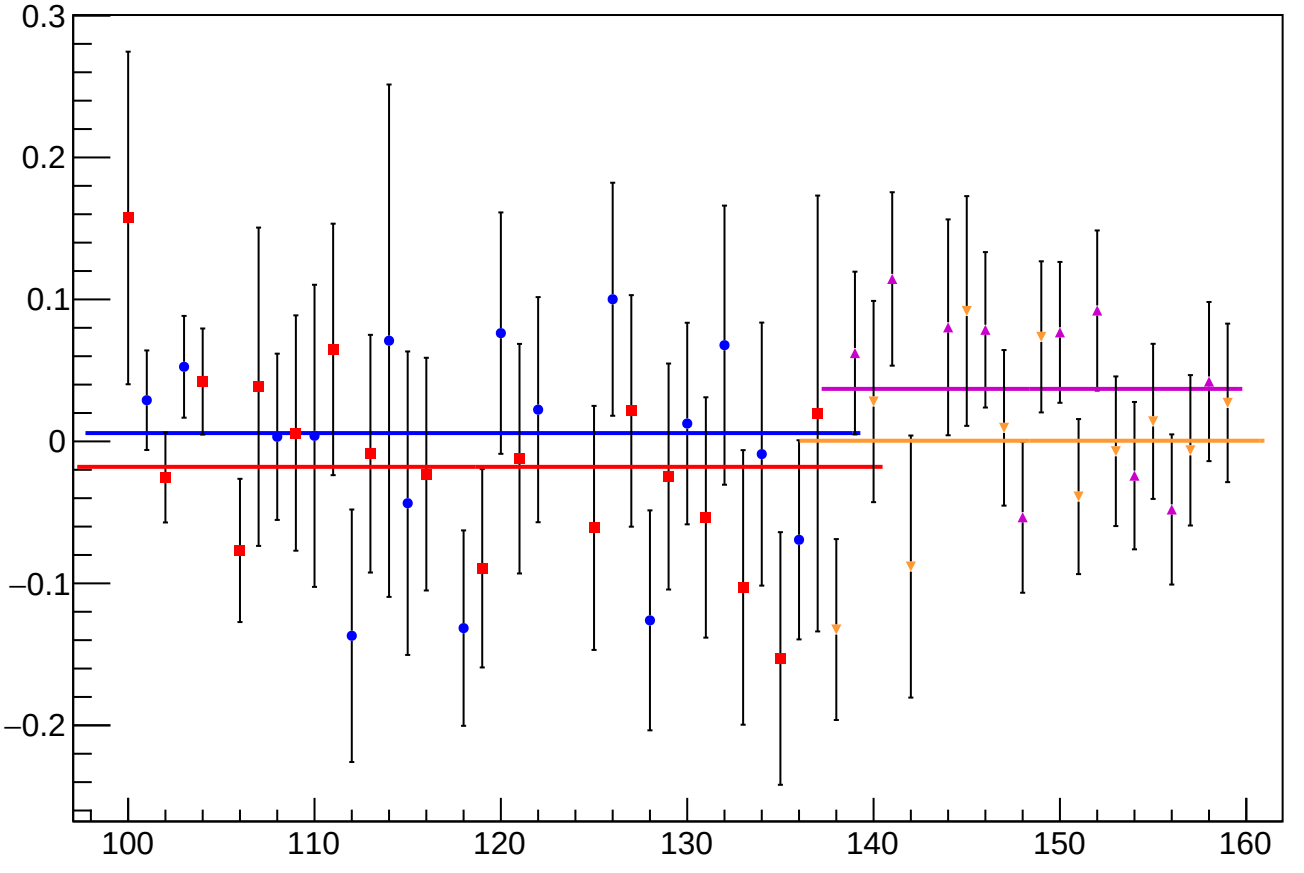
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

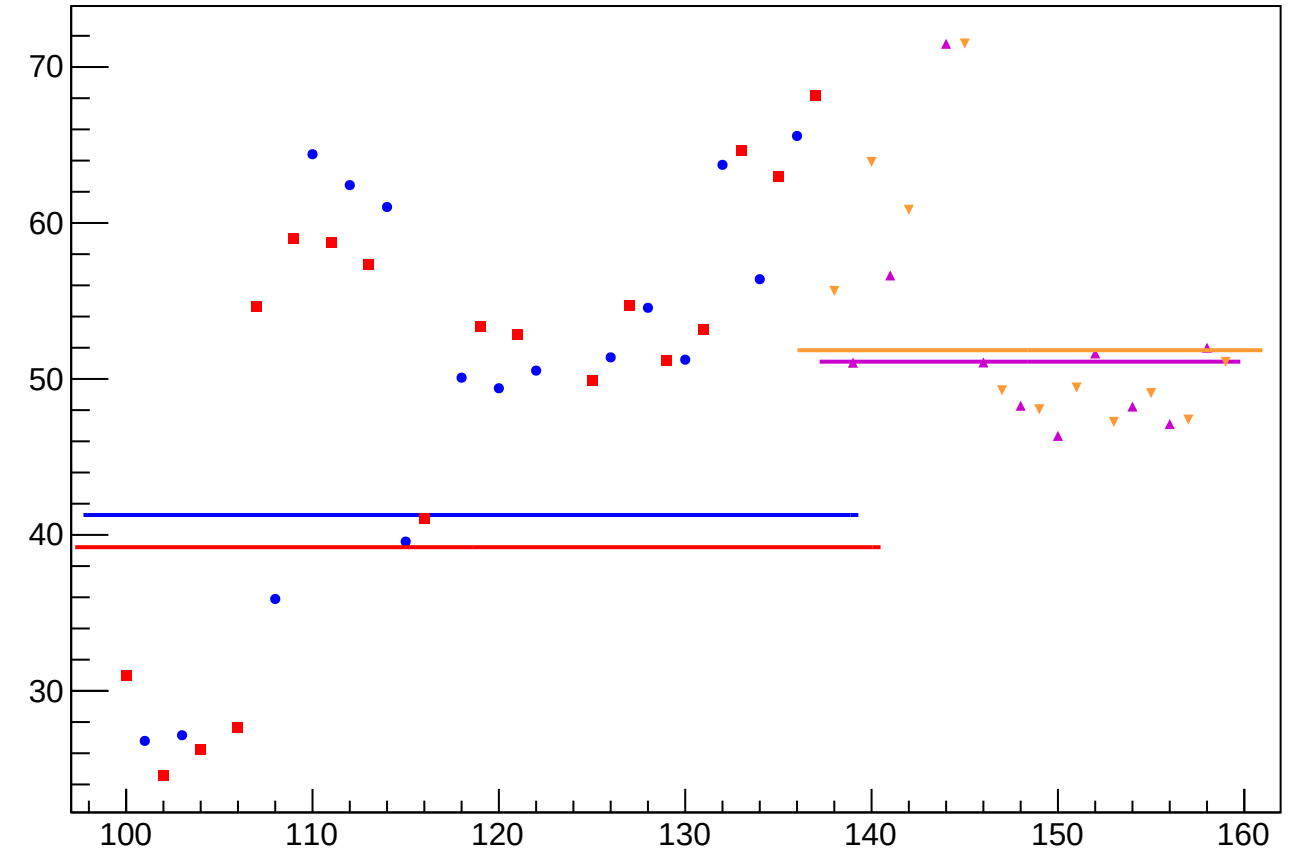
Left In: 51.107+/-0.012 χ^2/NDF:202440.0/9

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

All: 45.271+/-0.006 χ^2/NDF: 4682988.9/54

- sign 44.470+/-0.008 χ^2/NDF: 2527656.2/27


asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.006+/-0.017 χ²/NDF: 15.6/15
Left Out: 0.000+/-0.018 χ²/NDF:9.5/10
Right Out: -0.018+/-0.016 χ²/NDF: 12.3/17
Left In: 0.037+/-0.018 χ²/NDF:11.2/9
+ sign 0.003+/-0.012 χ²/NDF: 25.1/26
All: 0.005+/-0.008 χ²/NDF: 54.0/54
- sign 0.006+/-0.012 χ²/NDF: 28.9/27



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

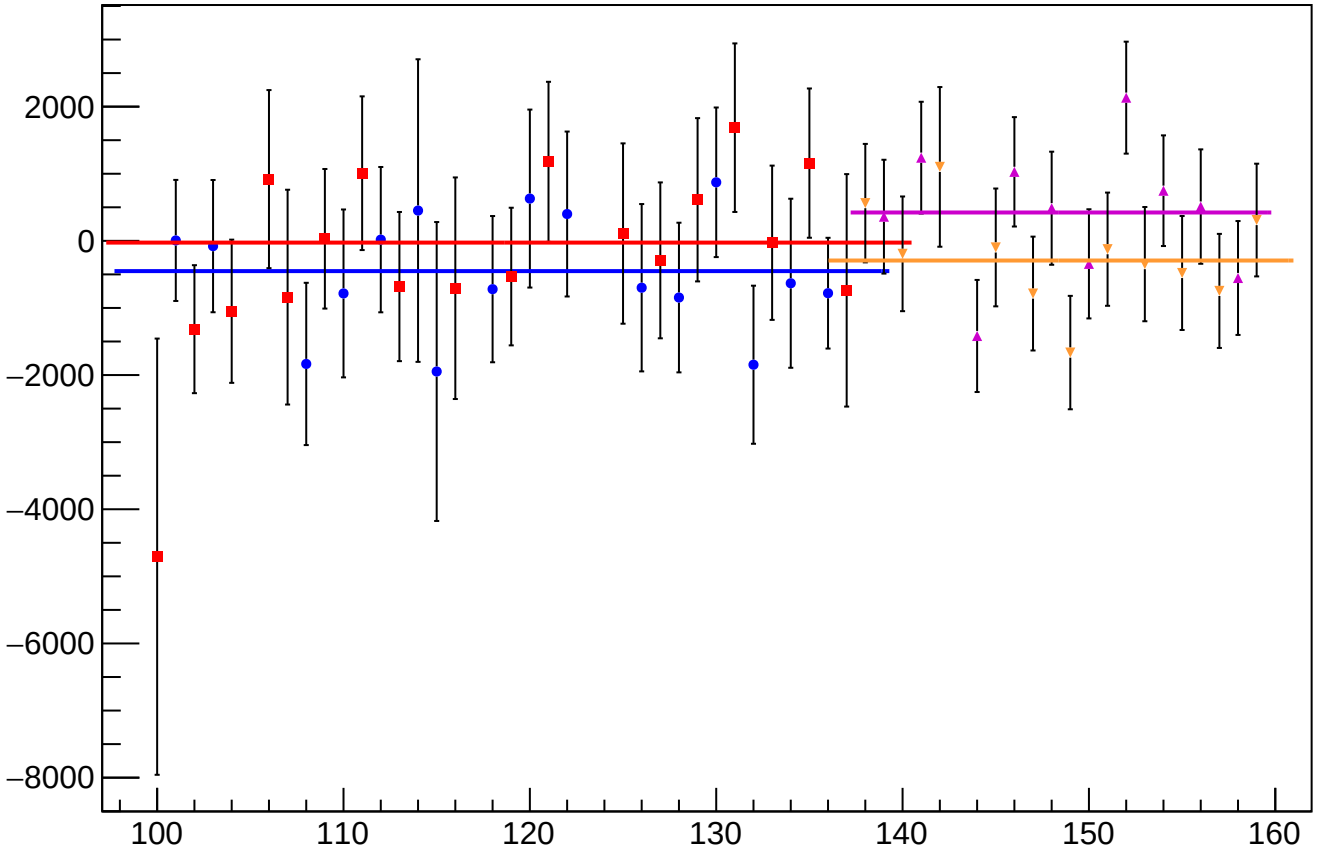
Left In: 51.107+/-0.012 χ^2/NDF:202440.0/9

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

All: 45.271+/-0.006 χ^2/NDF: 4682988.9/54

- sign 44.470+/-0.008 χ^2/NDF: 2527656.2/27

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

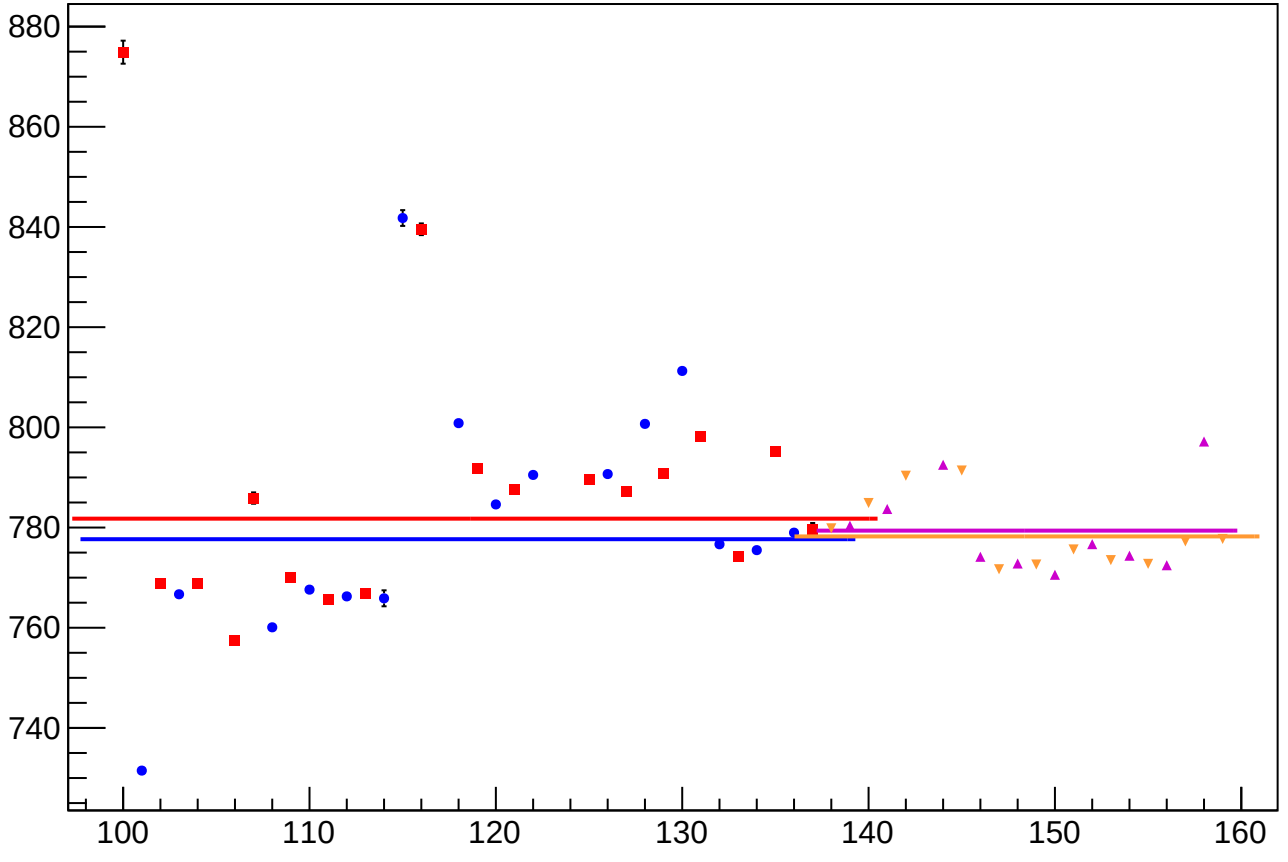
Left In: 422.600+/-263.872 χ^2/NDF:13.0/9

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

All: -73.344+/-137.609 χ^2/NDF: 43.8/54

- sign 217.892+/-194.582 χ^2/NDF: 26.0/27

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

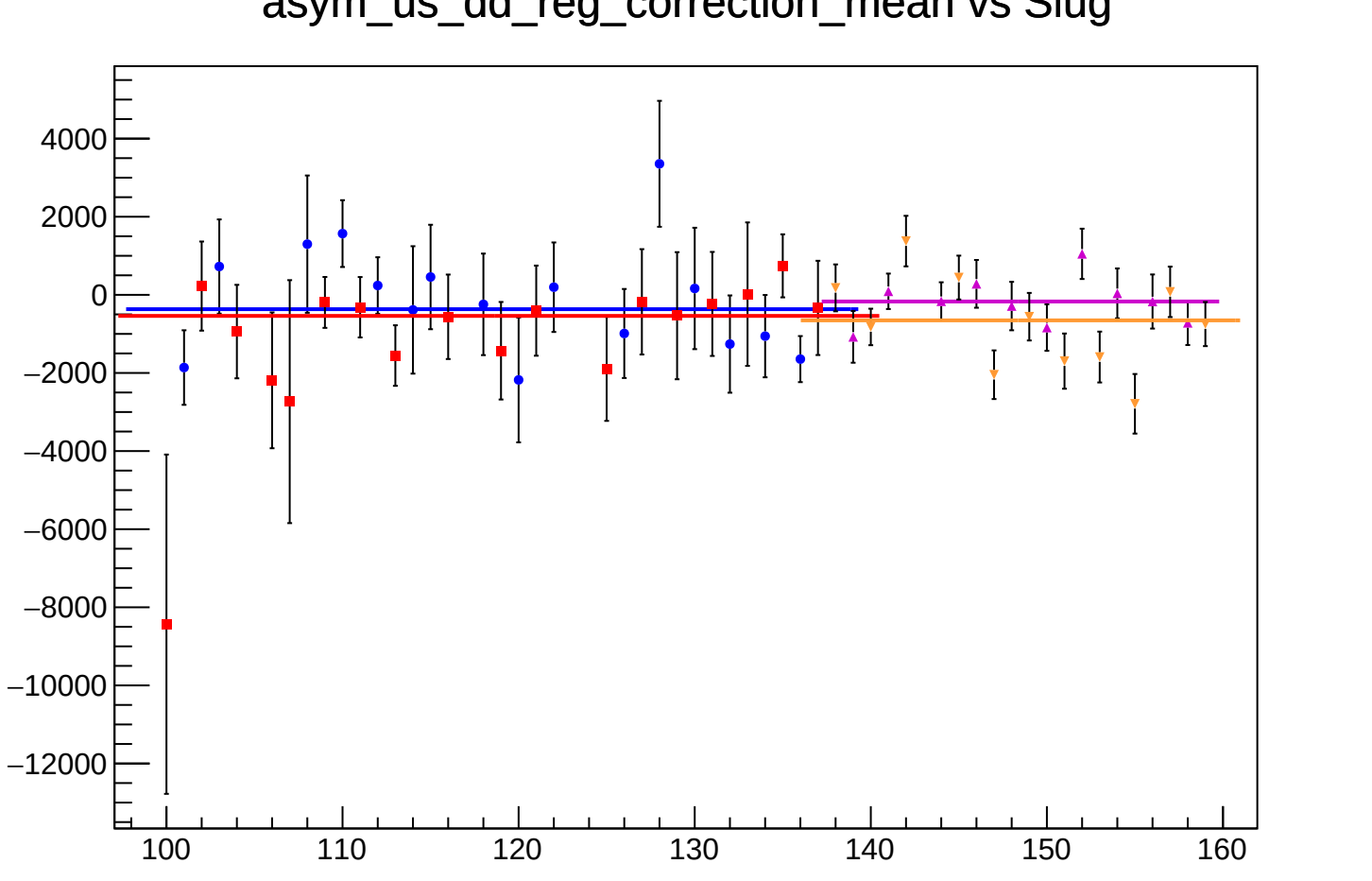
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

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

All: 779.228+/-0.097 χ^2/NDF: 23181.0/54

- sign 780.478+/-0.138 χ^2/NDF: 9796.1/27



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

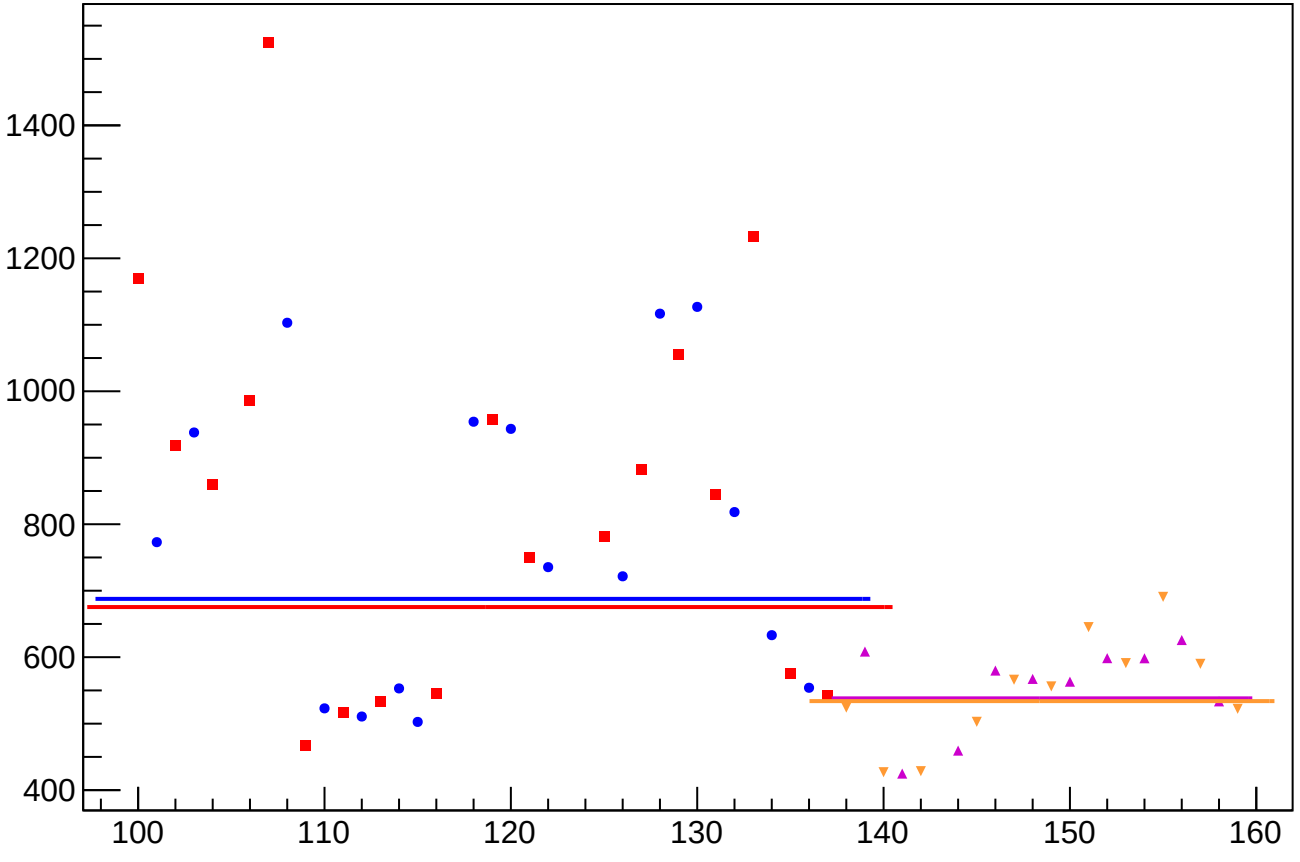
Left In: -170.294+/-184.124 χ^2/NDF:8.7/9

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

All: -426.385+/-106.710 χ^2/NDF: 81.4/54

- sign -291.589+/-150.817 χ^2/NDF: 21.6/27

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

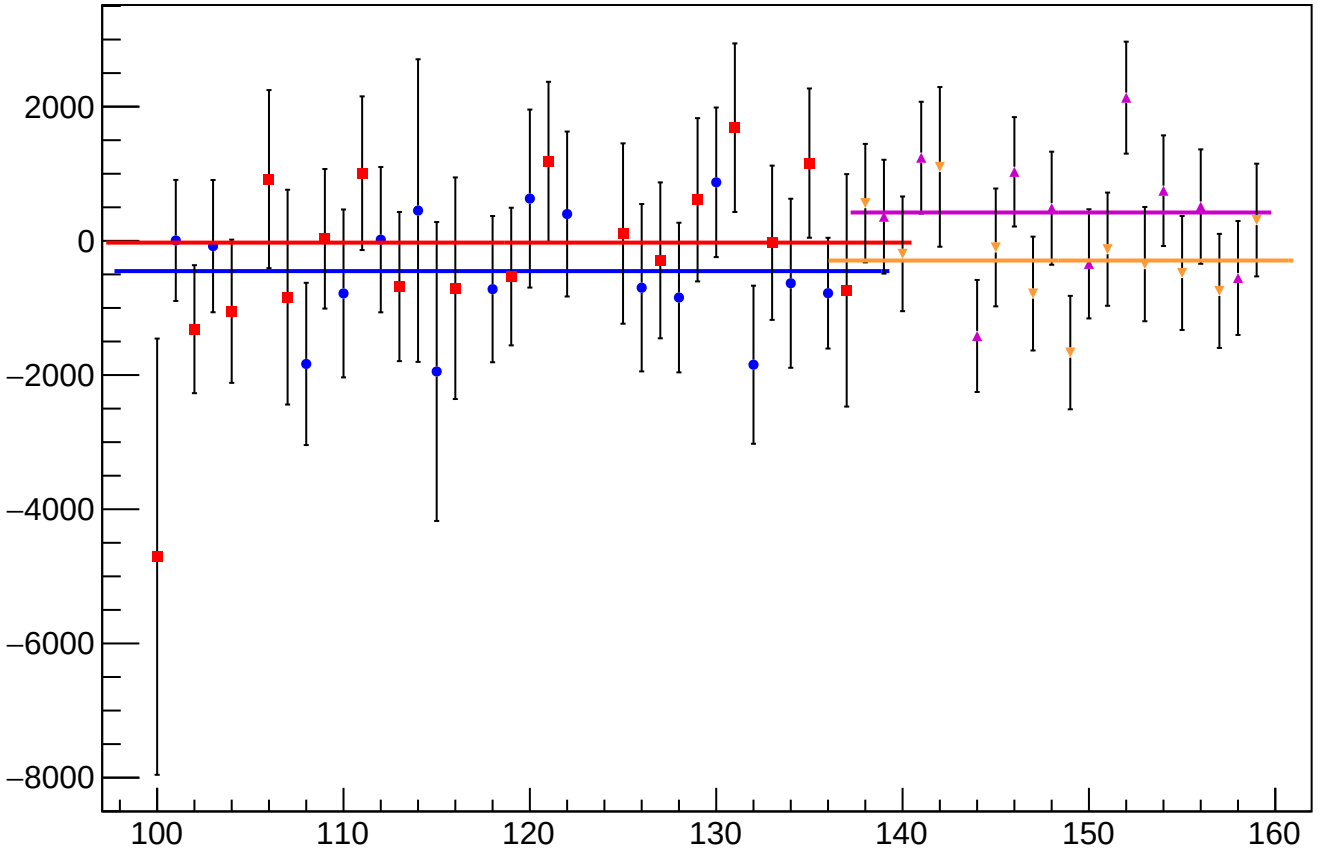
Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

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

All: 583.243+/-0.075 χ^2/NDF: 3785129.4/54

- sign 583.261+/-0.107 χ^2/NDF: 1963443.4/27

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

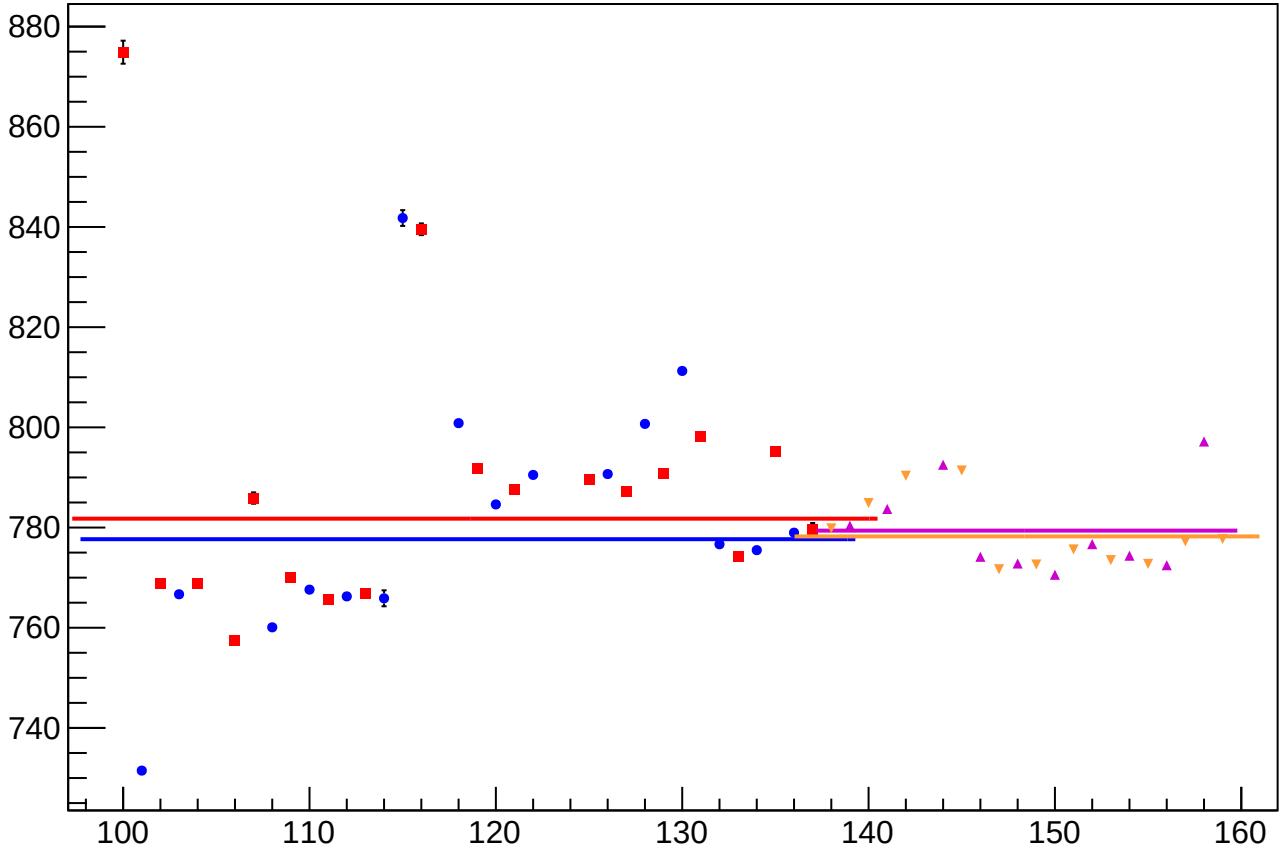
Left In: 422.600+/-263.872 χ^2/NDF:13.0/9

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

All: -73.344+/-137.609 χ^2/NDF: 43.8/54

- sign 217.892+/-194.582 χ^2/NDF: 26.0/27

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

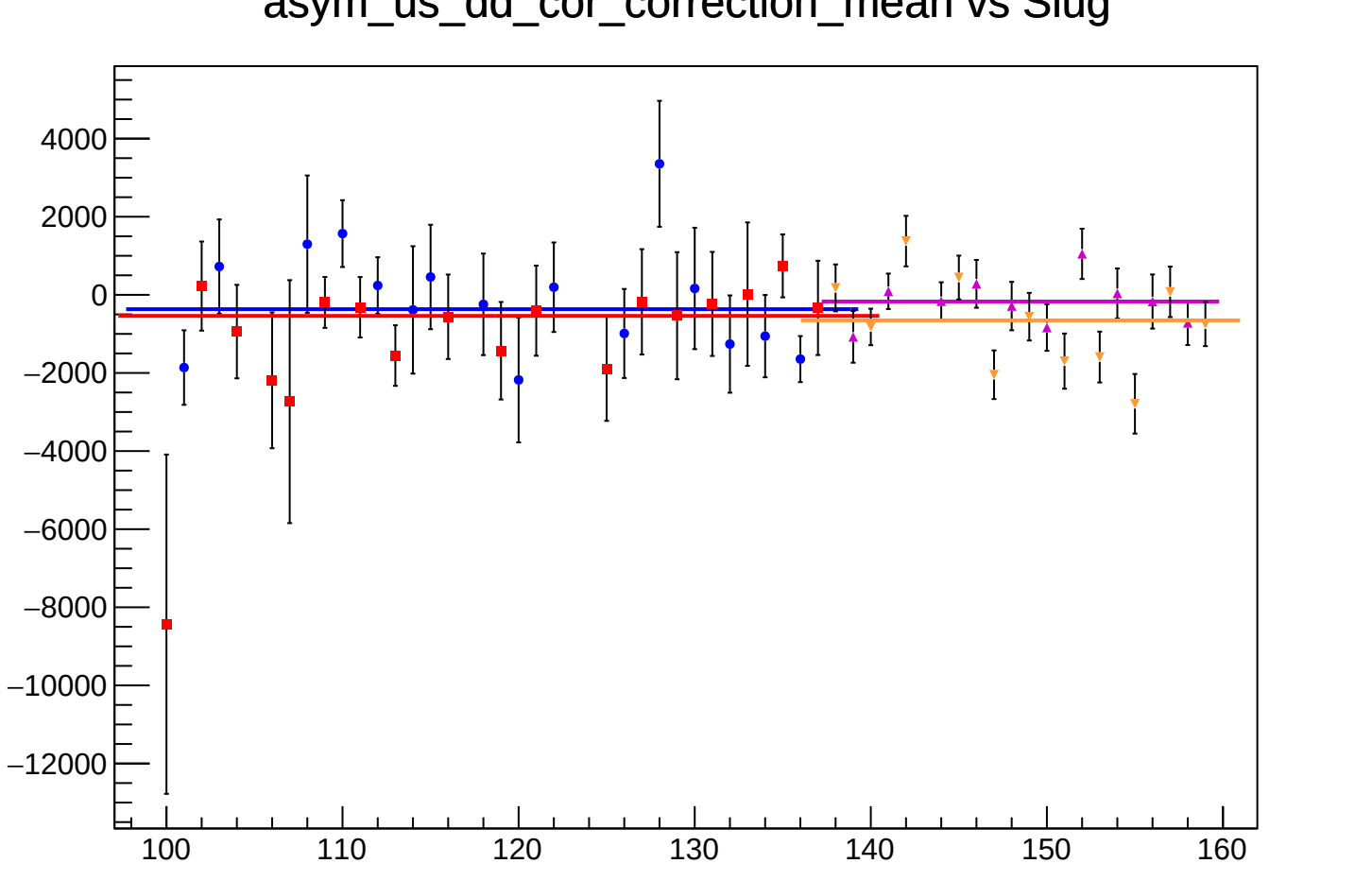
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

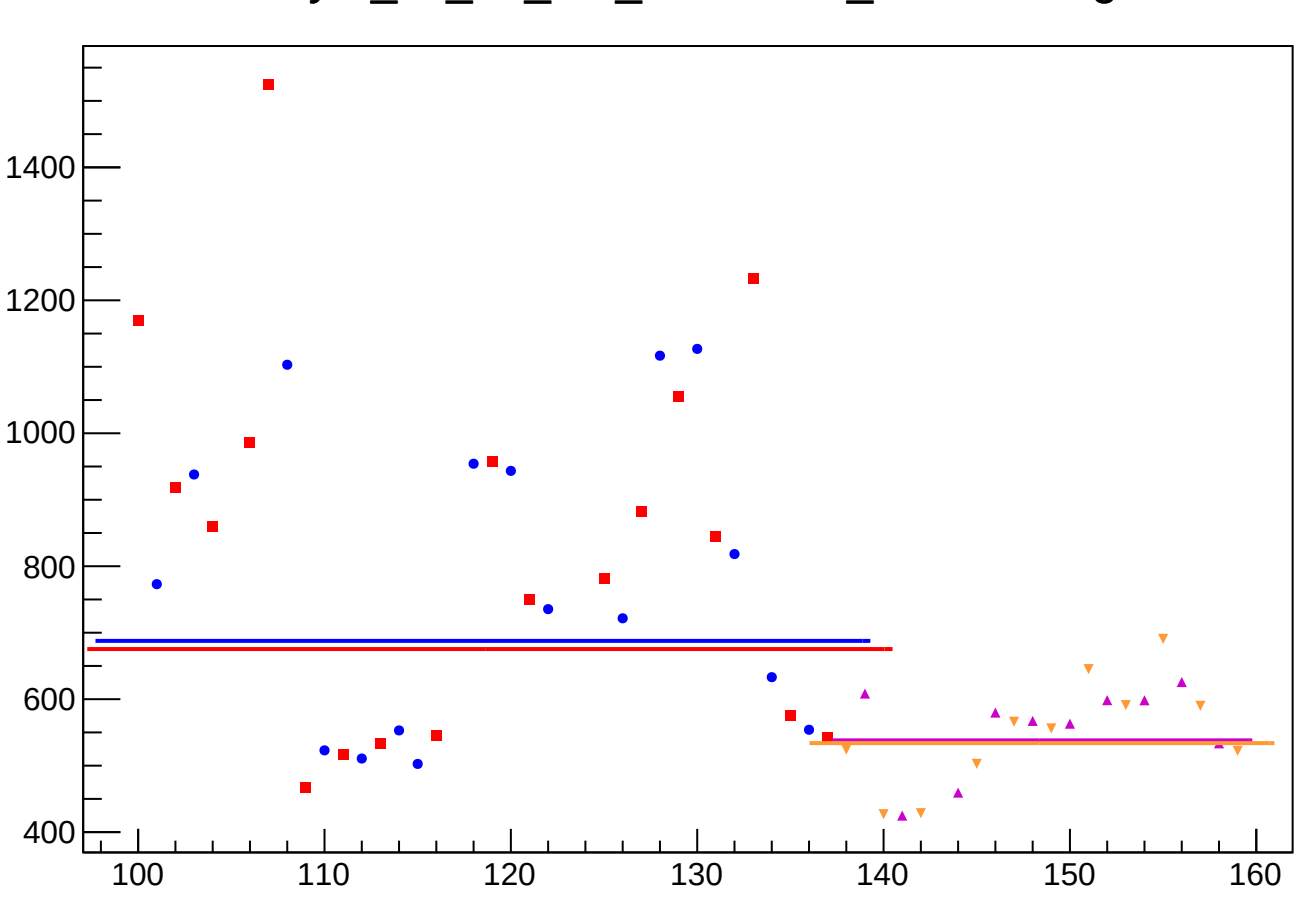
Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

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

All: 779.228+/-0.097 χ^2/NDF: 23181.0/54

- sign 780.478+/-0.138 χ^2/NDF: 9796.1/27


asym_us_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -653.300+/-183.200 χ²/NDF:34.1/10
Right Out: -538.887+/-262.907 χ²/NDF: 11.7/17
Left In: -170.294+/-184.124 χ²/NDF:8.7/9
+ sign -561.519+/-151.005 χ²/NDF: 58.2/26
All: -426.385+/-106.710 χ²/NDF: 81.4/54
- sign -291.589+/-150.817 χ²/NDF: 21.6/27



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

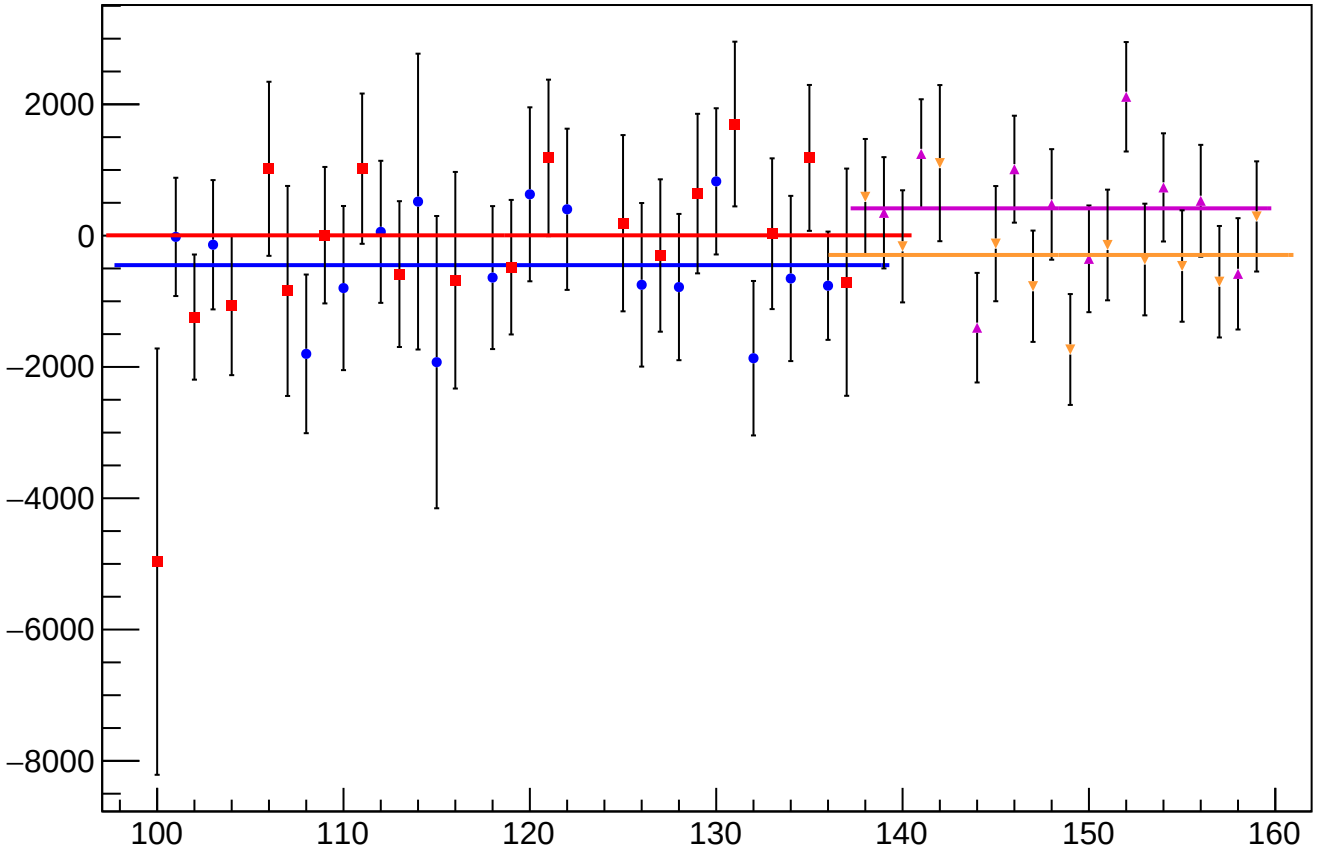
Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

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

All: 583.243+/-0.075 χ^2/NDF: 3785129.4/54

- sign 583.261+/-0.107 χ^2/NDF: 1963443.4/27

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

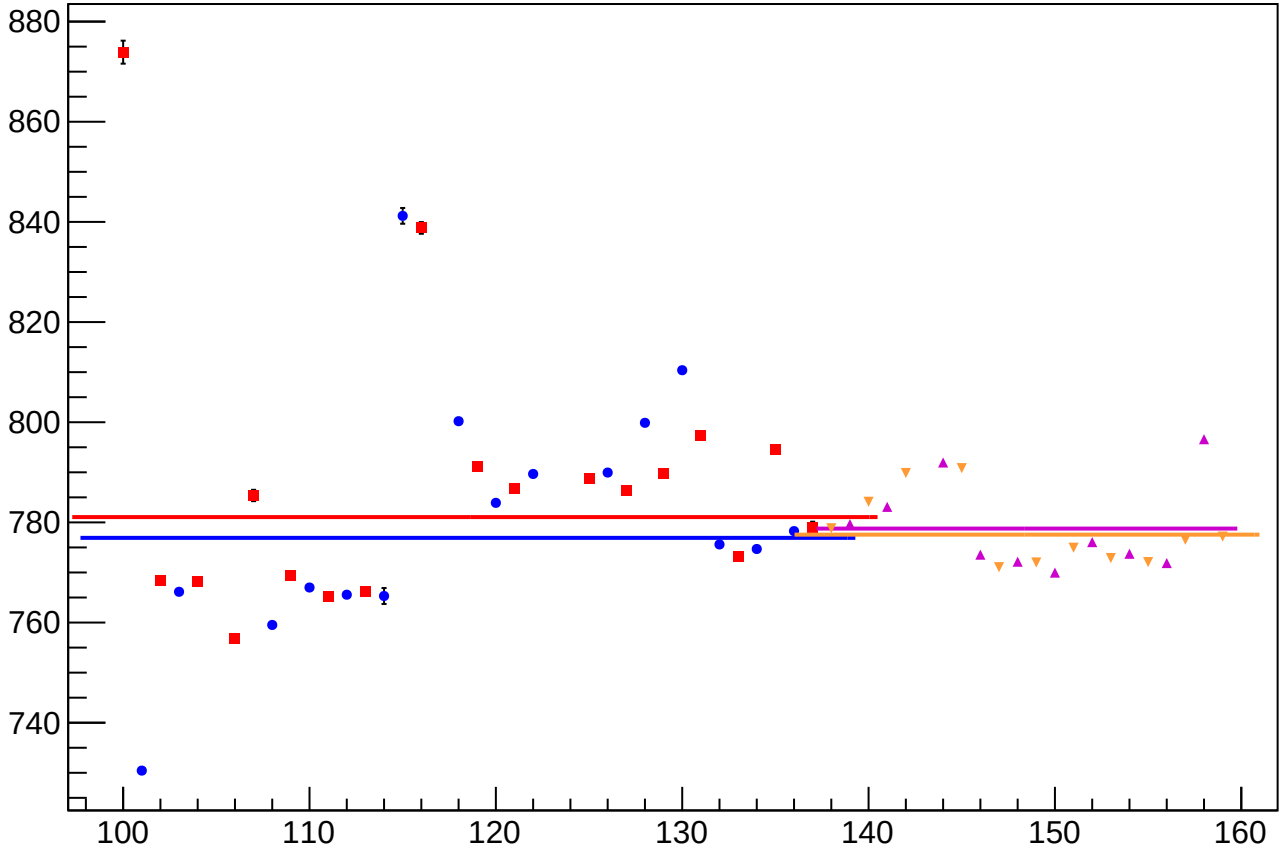
Left In: 415.620+/-263.662 χ^2/NDF:12.9/9

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

All: -68.231+/-137.488 χ^2/NDF: 43.9/54

- sign 228.098+/-194.416 χ^2/NDF: 25.8/27

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

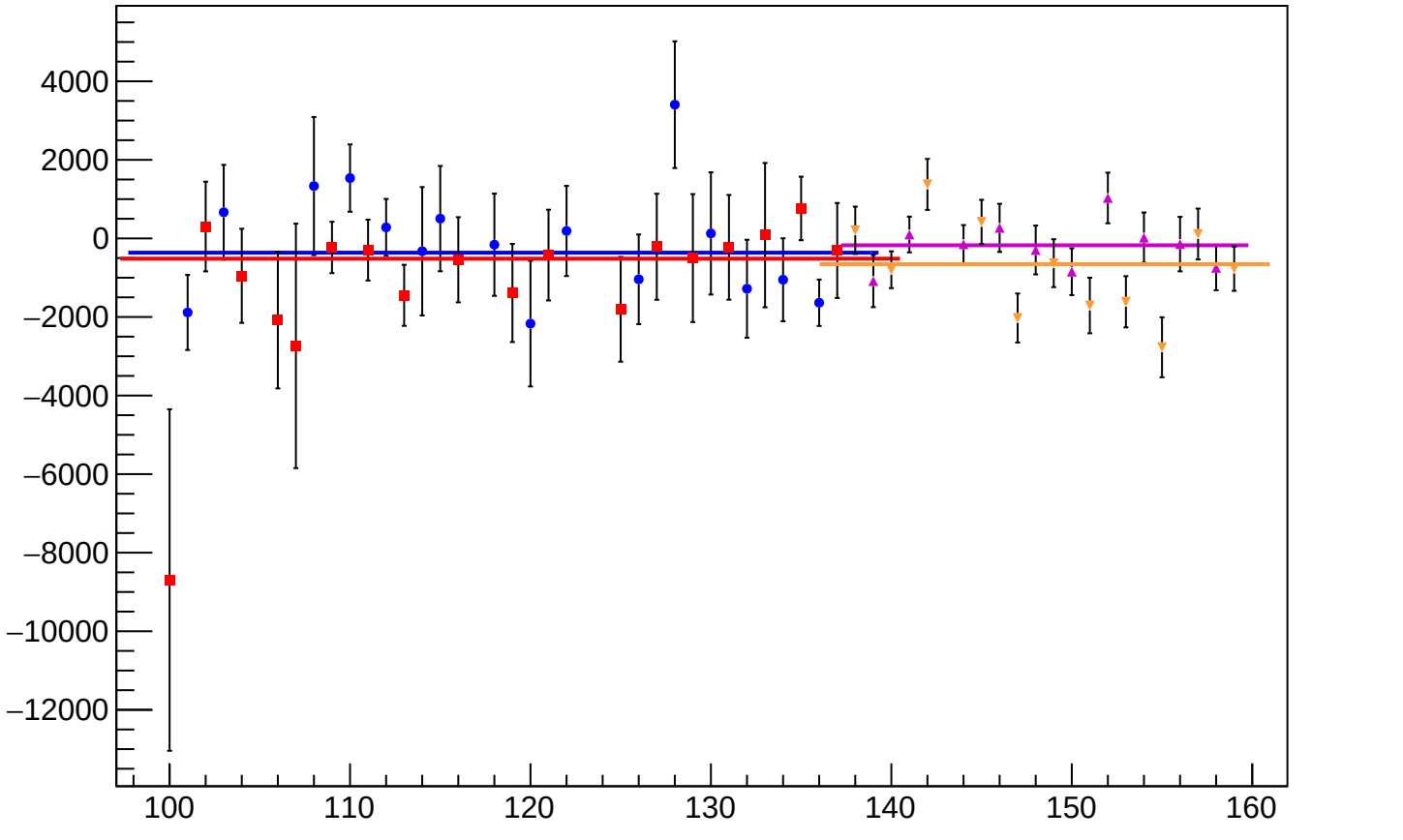
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 778.767+/-0.186 χ^2/NDF:2107.4/9

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

All: 778.539+/-0.097 χ^2/NDF: 23228.5/54

- sign 779.814+/-0.137 χ^2/NDF: 9762.3/27



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

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

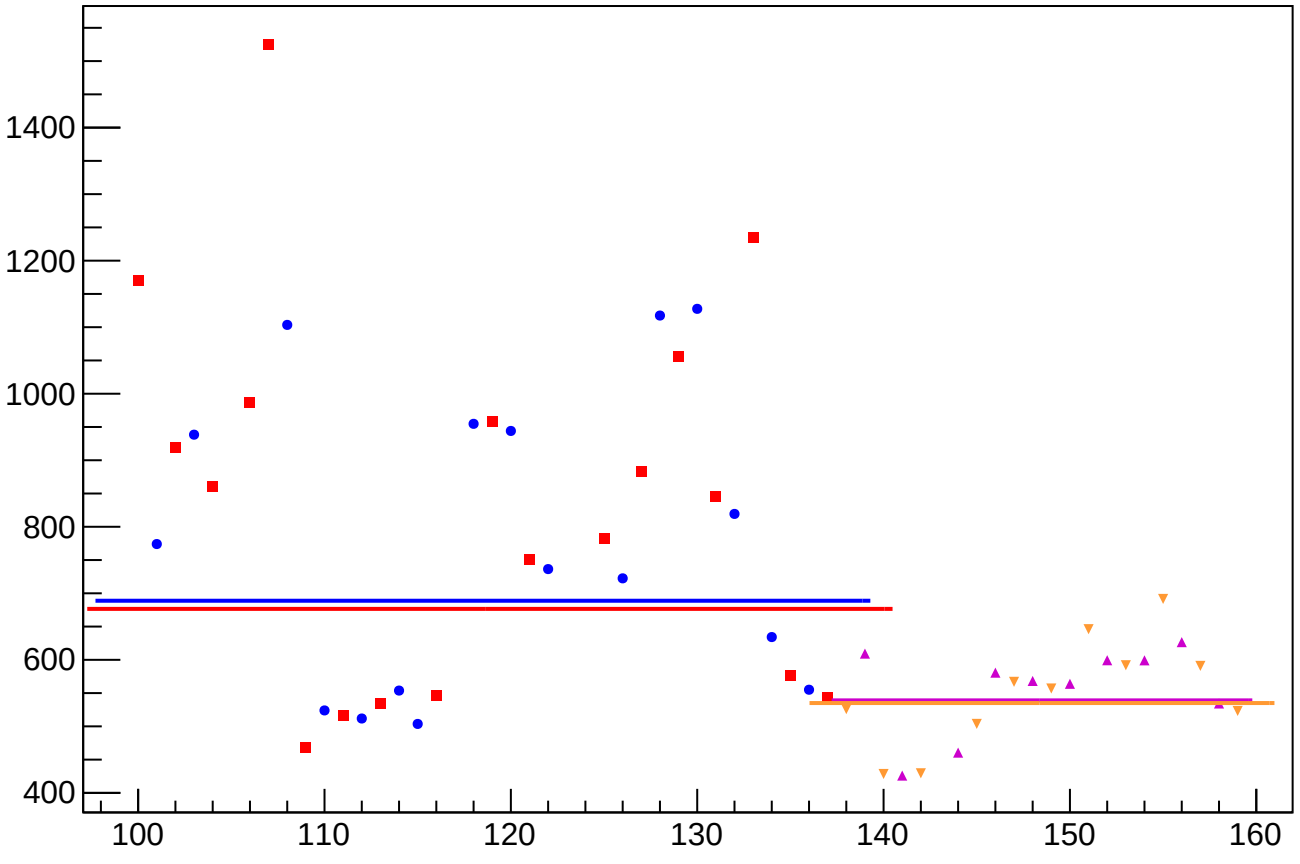
Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

Left In: -174.827+/-184.447 χ^2/NDF:8.7/9

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

All: -423.988+/-106.896 χ^2/NDF: 81.0/54

- sign -286.904+/-151.068 χ^2/NDF: 21.2/27



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

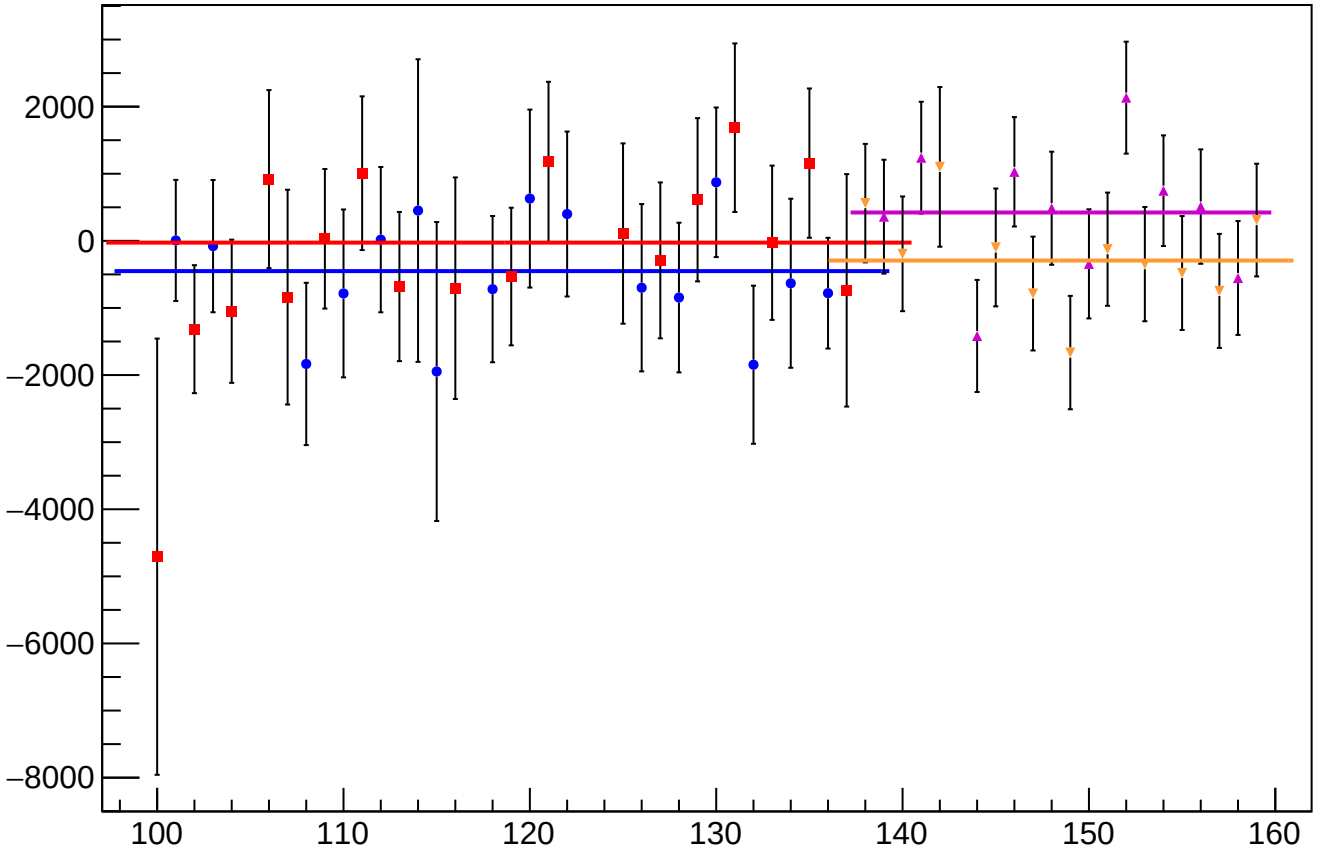
Left In: 539.045+/-0.130 χ^2/NDF:282245.1/9

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

All: 584.348+/-0.076 χ^2/NDF: 3769853.1/54

- sign 584.317+/-0.107 χ^2/NDF: 1956298.9/27

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

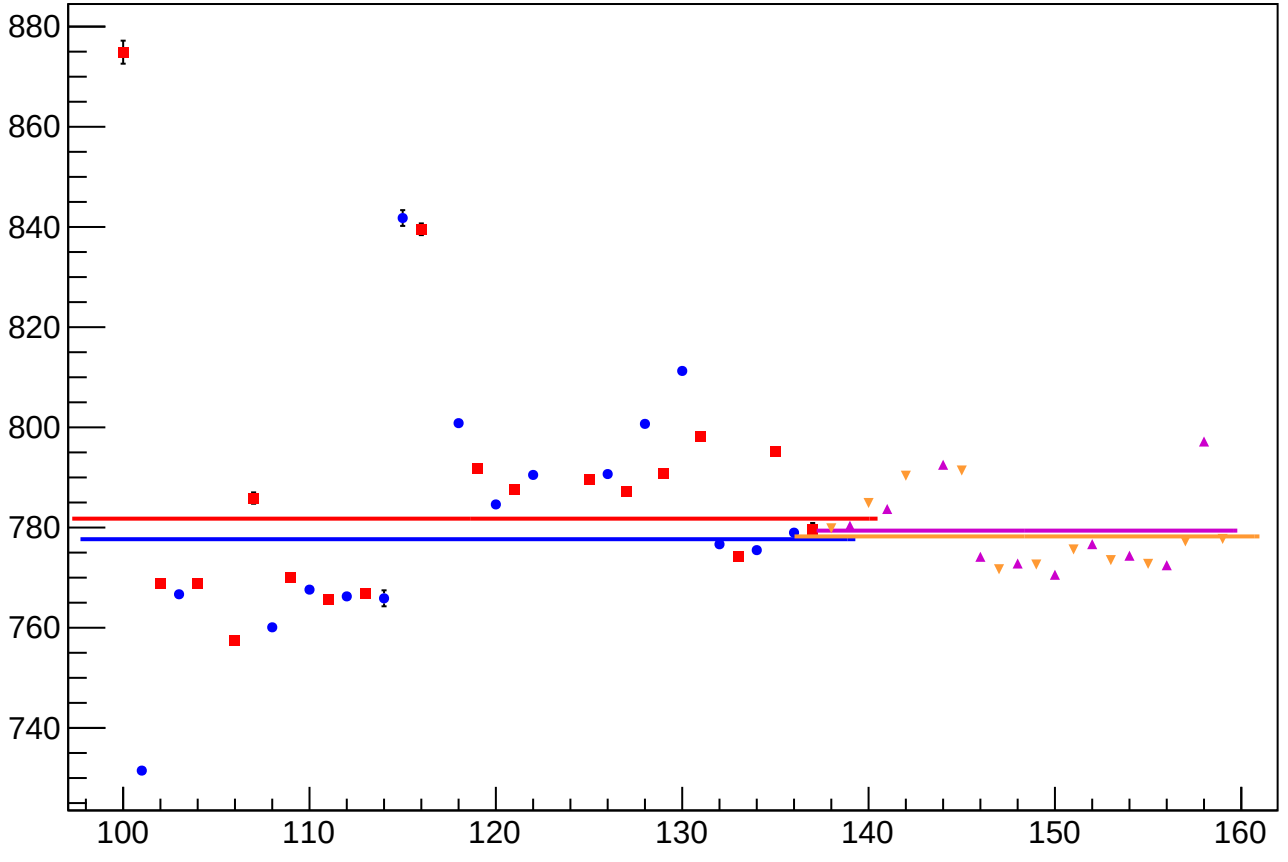
Left In: 422.600+/-263.872 χ^2/NDF:13.0/9

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

All: -73.344+/-137.609 χ^2/NDF: 43.8/54

- sign 217.892+/-194.582 χ^2/NDF: 26.0/27

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

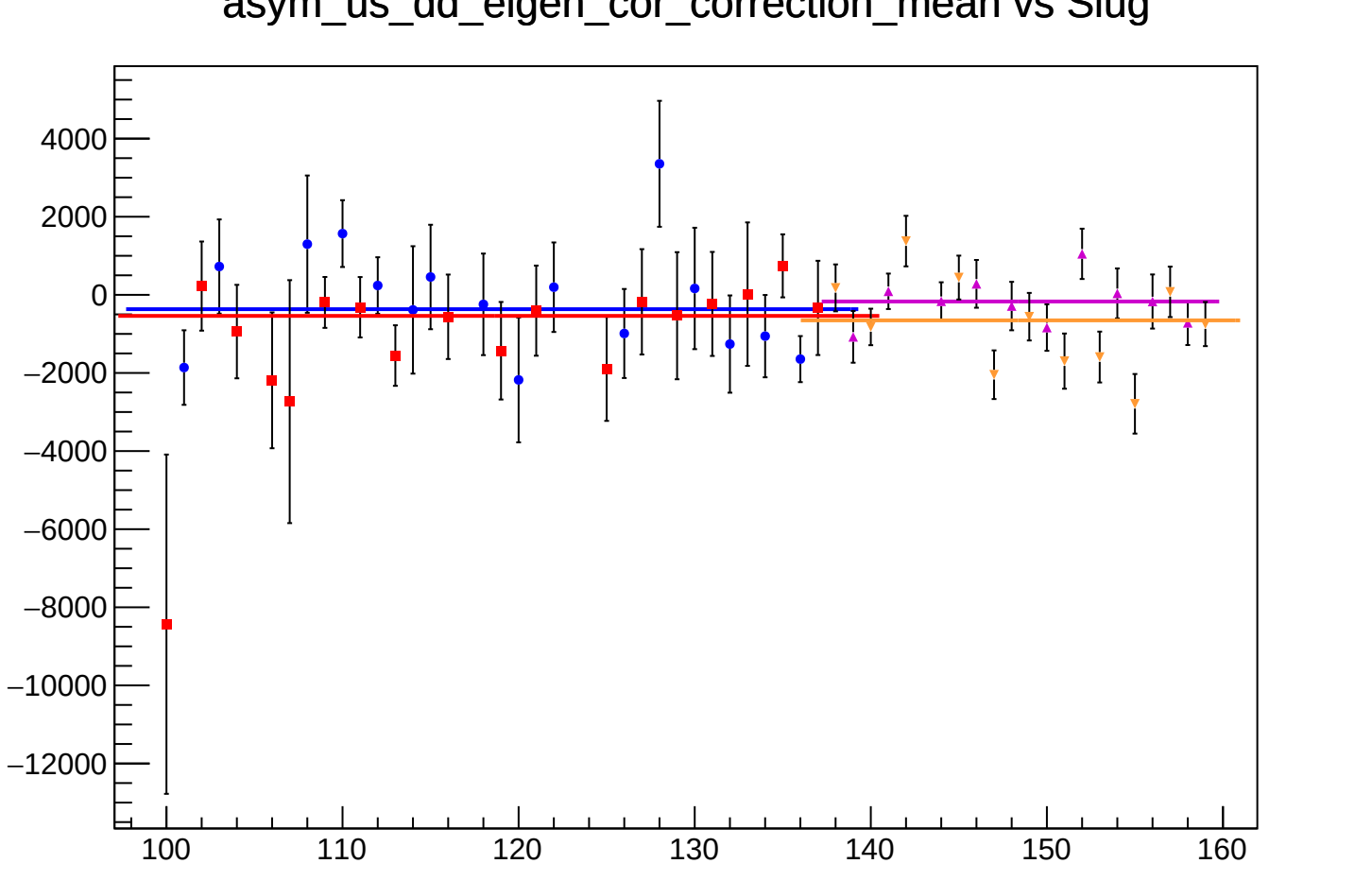
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 779.388+/-0.187 χ^2/NDF:2095.0/9

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

All: 779.228+/-0.097 χ^2/NDF: 23181.0/54

- sign 780.478+/-0.138 χ^2/NDF: 9796.1/27



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

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

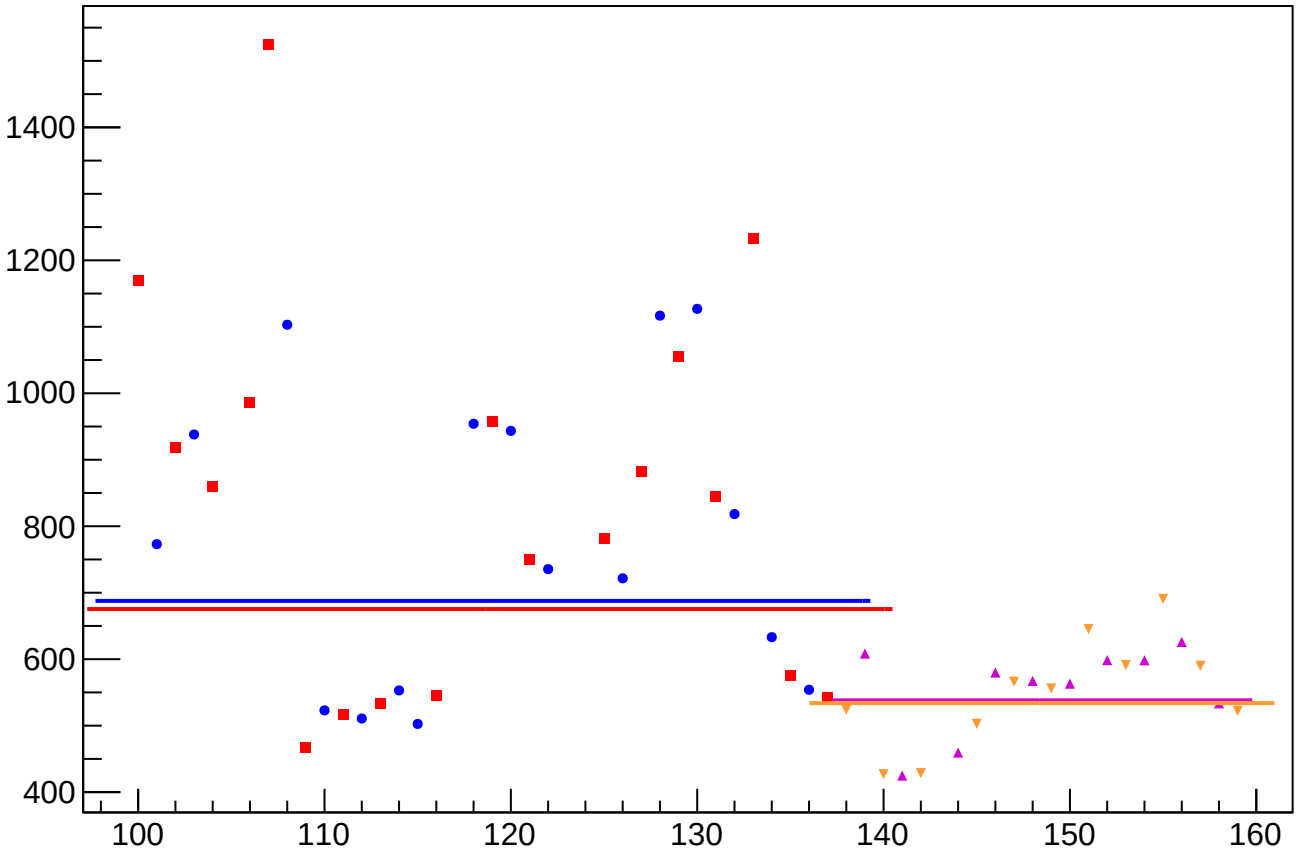
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -170.294+/-184.124 χ^2/NDF:8.7/9

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

All: -426.385+/-106.710 χ^2/NDF: 81.4/54

\- sign -291.589+/-150.817 χ^2/NDF: 21.6/27



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

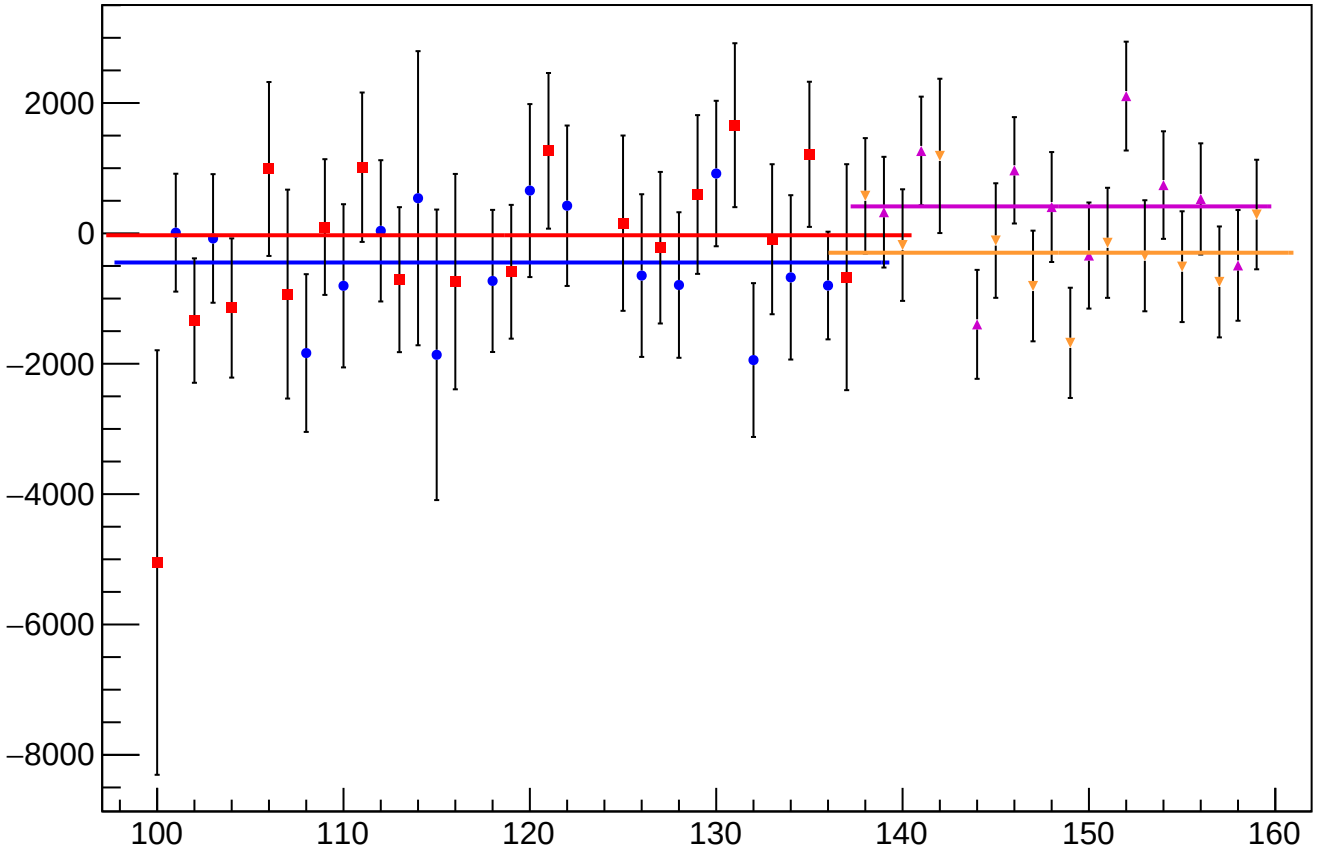
Left In: 538.064+/-0.130 χ^2/NDF:284227.0/9

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

All: 583.243+/-0.075 χ^2/NDF: 3785129.4/54

- sign 583.261+/-0.107 χ^2/NDF: 1963443.4/27

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

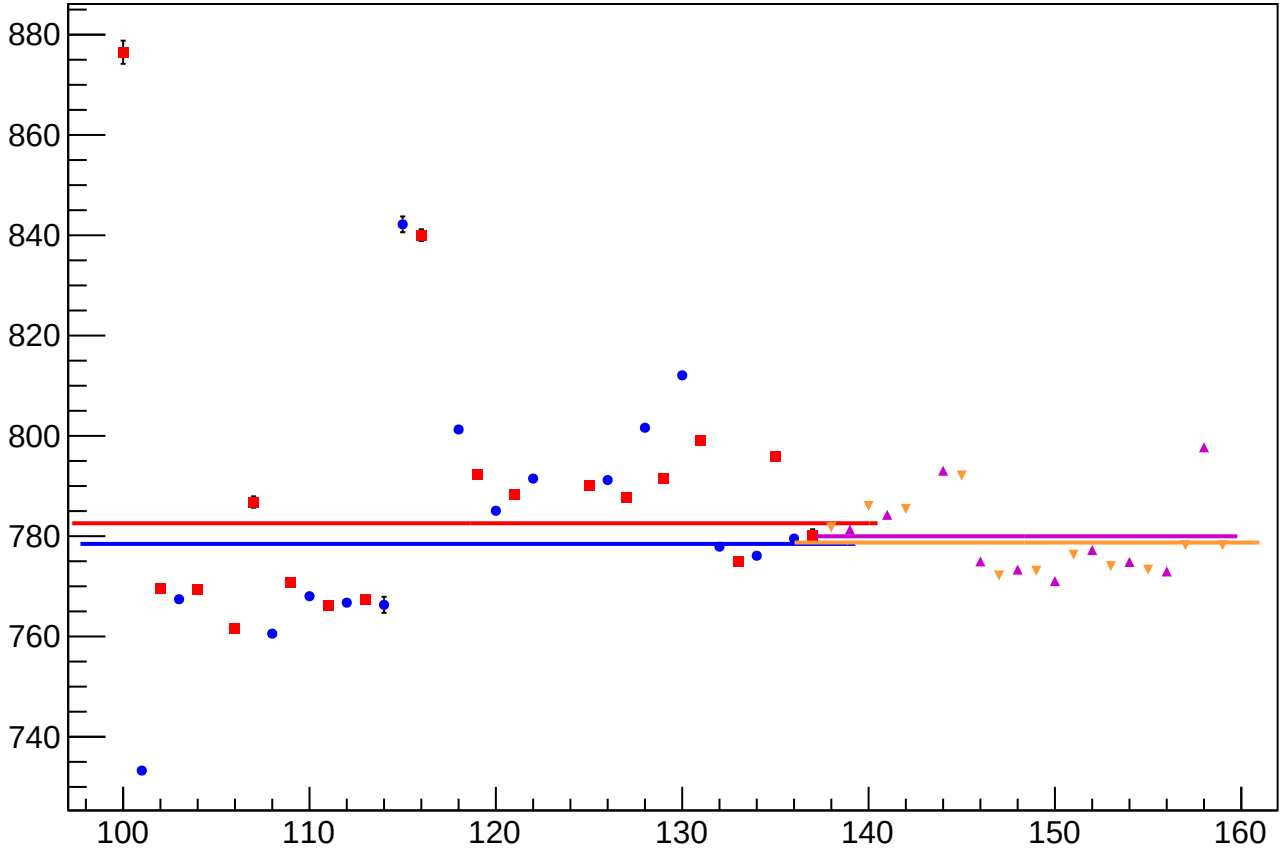
Left In: 413.920+/-264.071 χ^2/NDF:12.5/9

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

All: -76.339+/-137.727 χ^2/NDF: 44.7/54

- sign 212.002+/-194.752 χ^2/NDF: 26.4/27

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

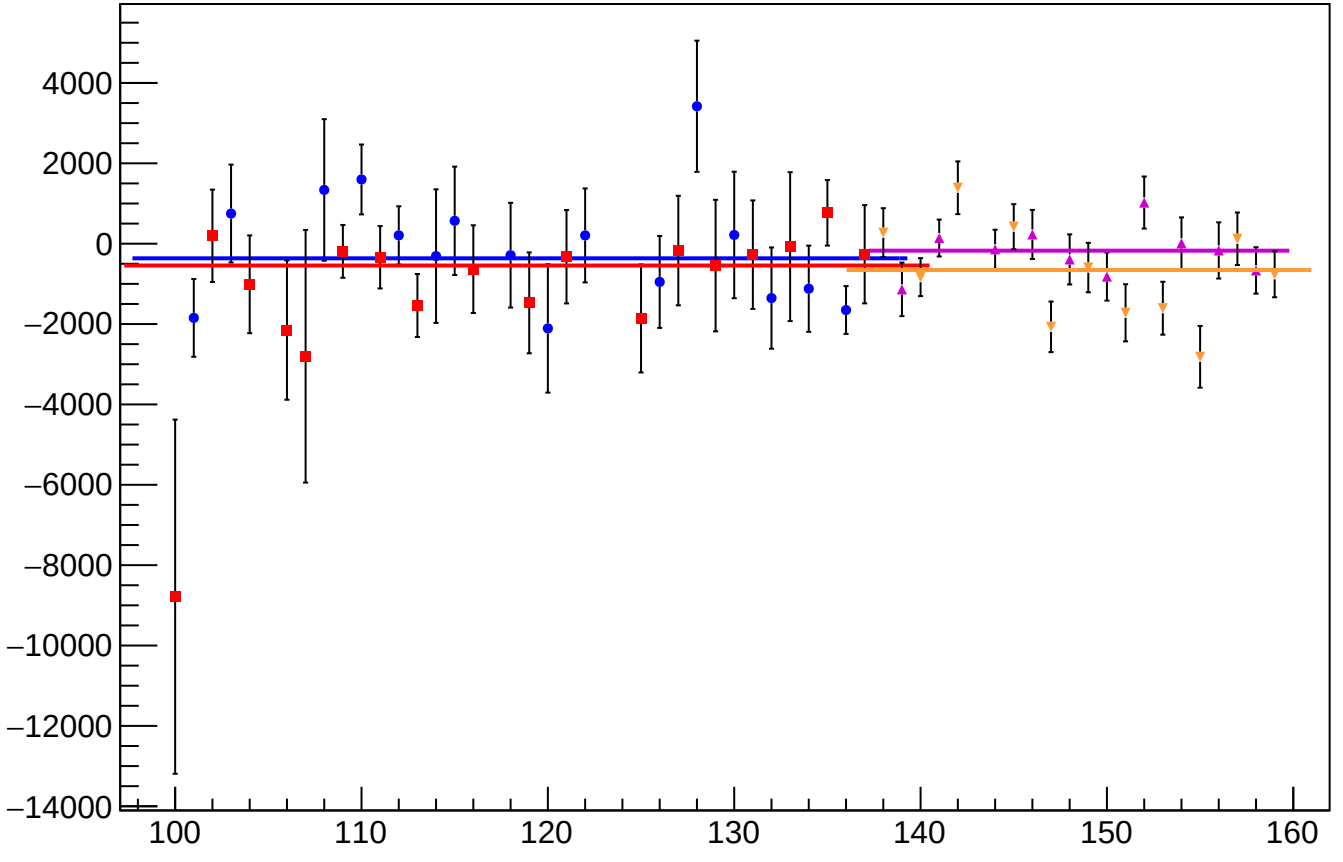
Left In: 779.978+/-0.187 χ^2/NDF:2093.7/9

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

All: 779.884+/-0.097 χ^2/NDF: 22697.5/54

- sign 781.162+/-0.138 χ^2/NDF: 9663.4/27

asym_us_dd_dit_correction_mean vs Slug



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

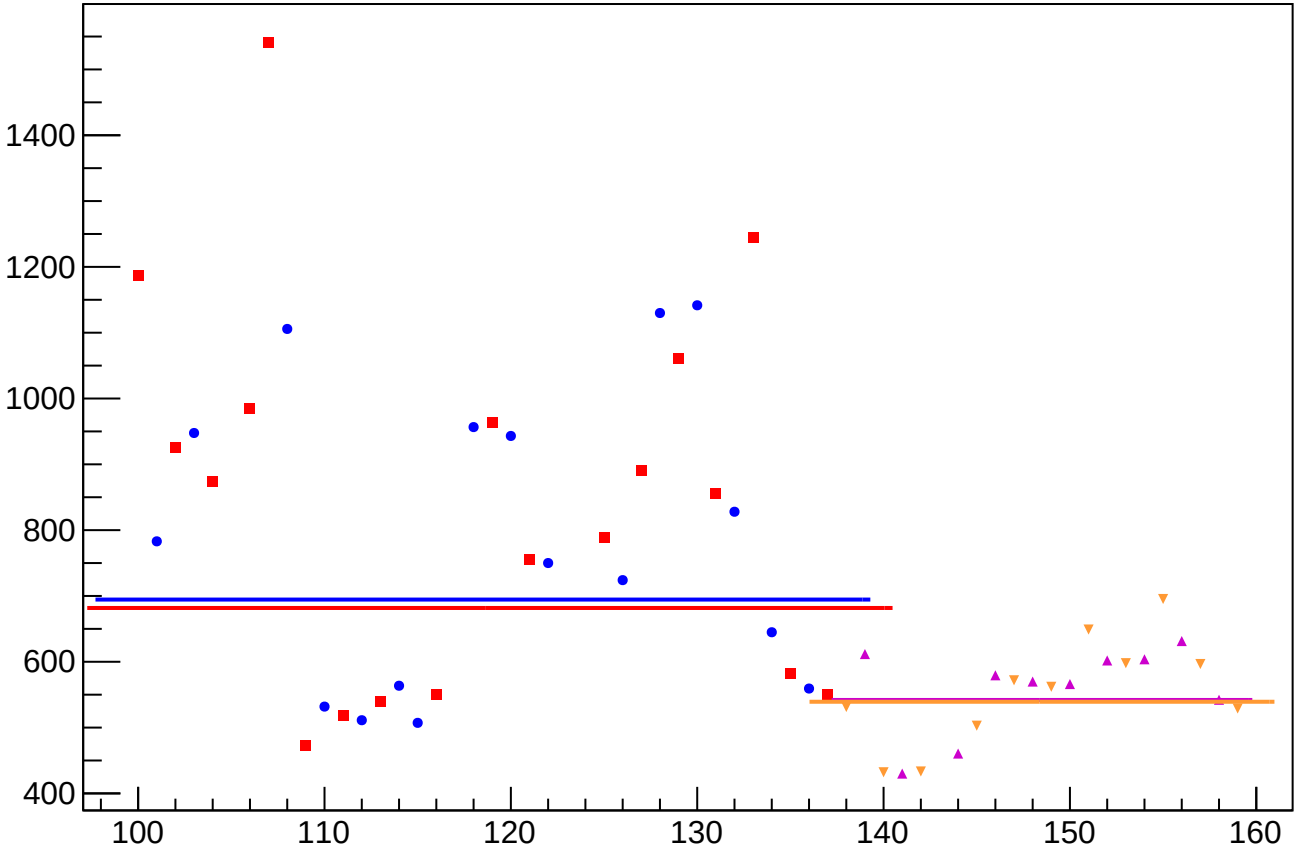
Left In: -173.361+/-185.407 χ^2/NDF:8.5/9

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

All: -427.585+/-107.642 χ^2/NDF: 81.9/54

\- sign -294.631+/-151.968 χ^2/NDF: 21.6/27

asym_us_dd_dit_correction_rms vs Slug



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

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

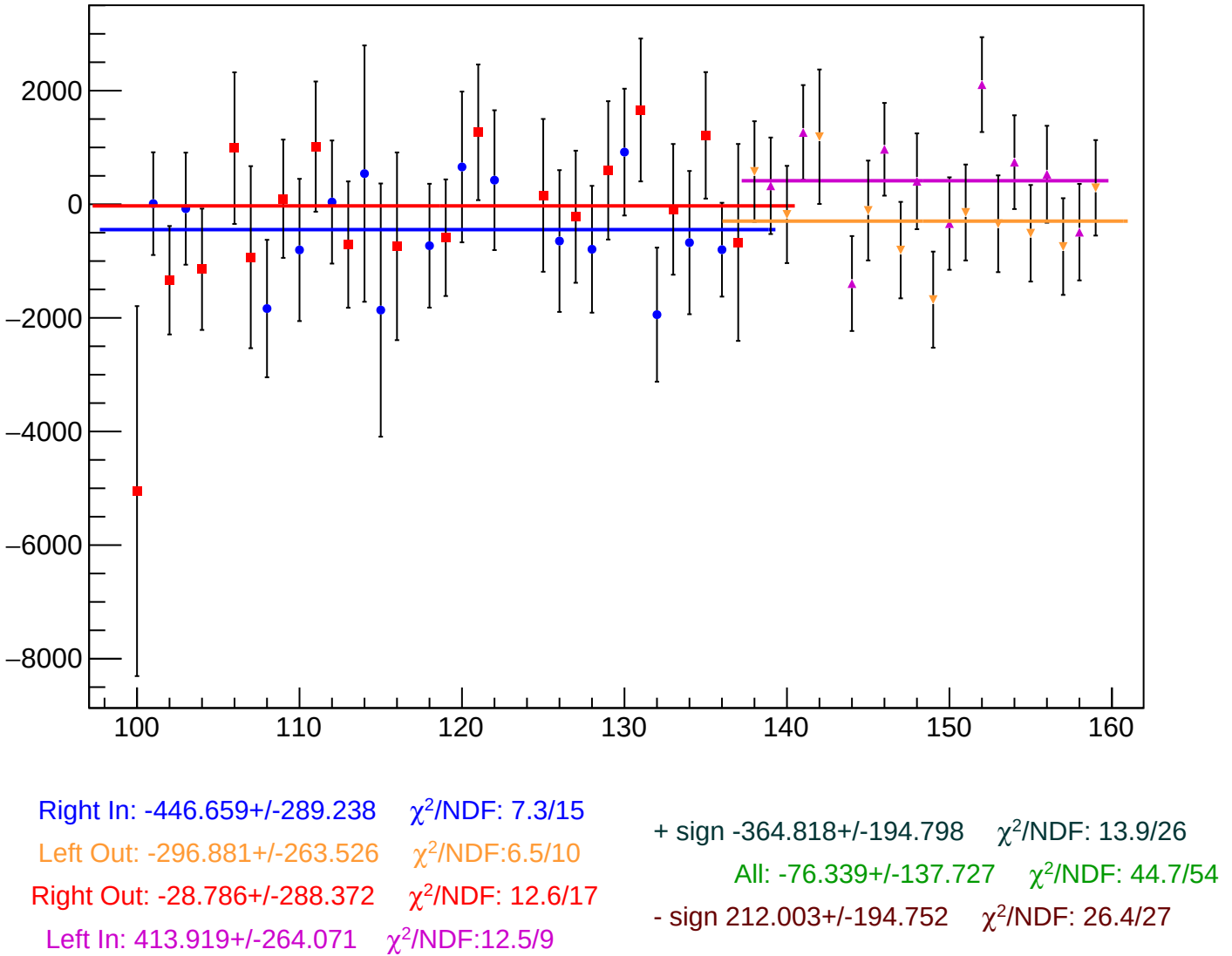
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 541.973+/-0.131 χ^2/NDF:279674.6/9

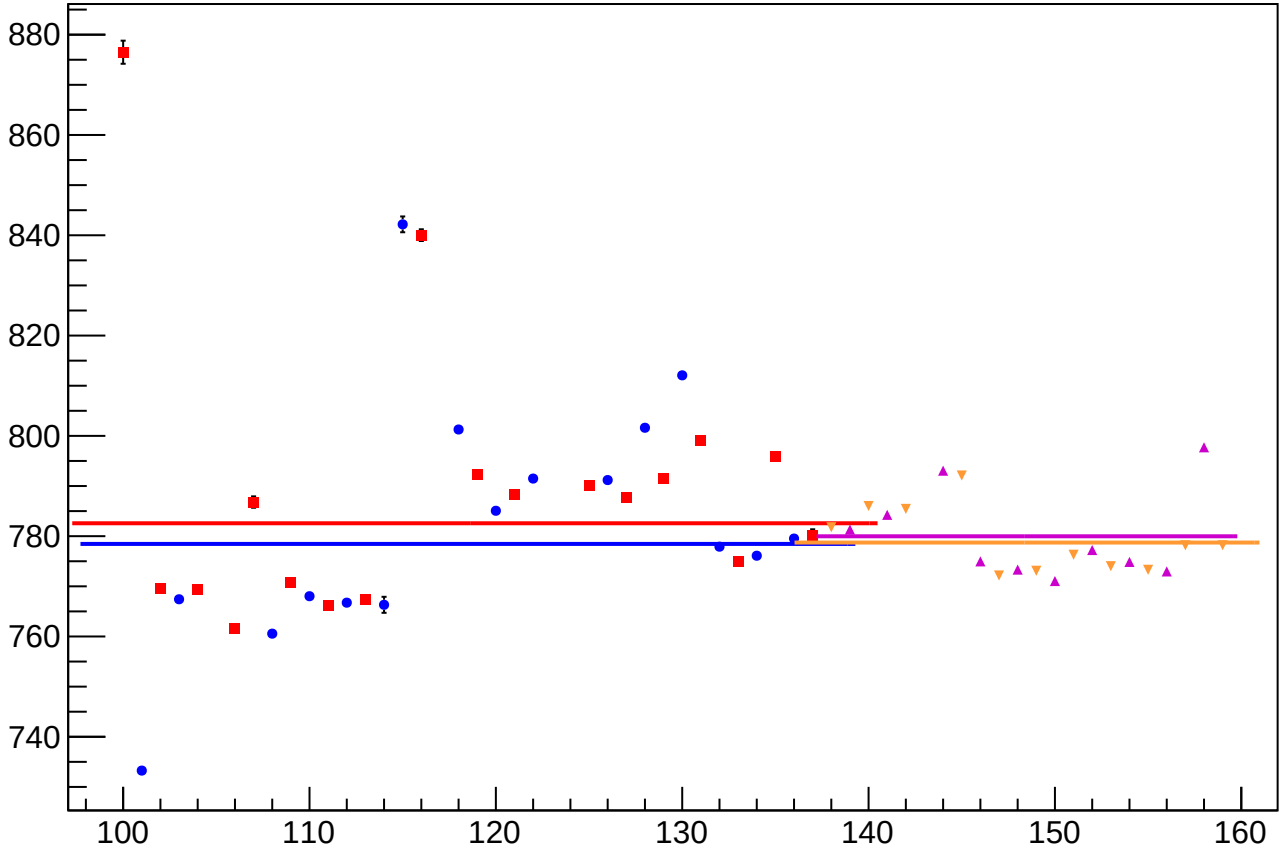
\+ sign 589.034+/-0.108 χ^2/NDF: 1815426.7/26

All: 588.437+/-0.076 χ^2/NDF: 3779498.8/54

\- sign 587.844+/-0.107 χ^2/NDF: 1964011.0/27


eigen_dit_asym_us_dd_mean vs Slug
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -446.659+/-289.238 χ²/NDF: 7.3/15
Left Out: -296.881+/-263.526 χ²/NDF:6.5/10
Right Out: -28.786+/-288.372 χ²/NDF: 12.6/17
Left In: 413.919+/-264.071 χ²/NDF:12.5/9
+ sign -364.818+/-194.798 χ²/NDF: 13.9/26
All: -76.339+/-137.727 χ²/NDF: 44.7/54
- sign 212.003+/-194.752 χ²/NDF: 26.4/27

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

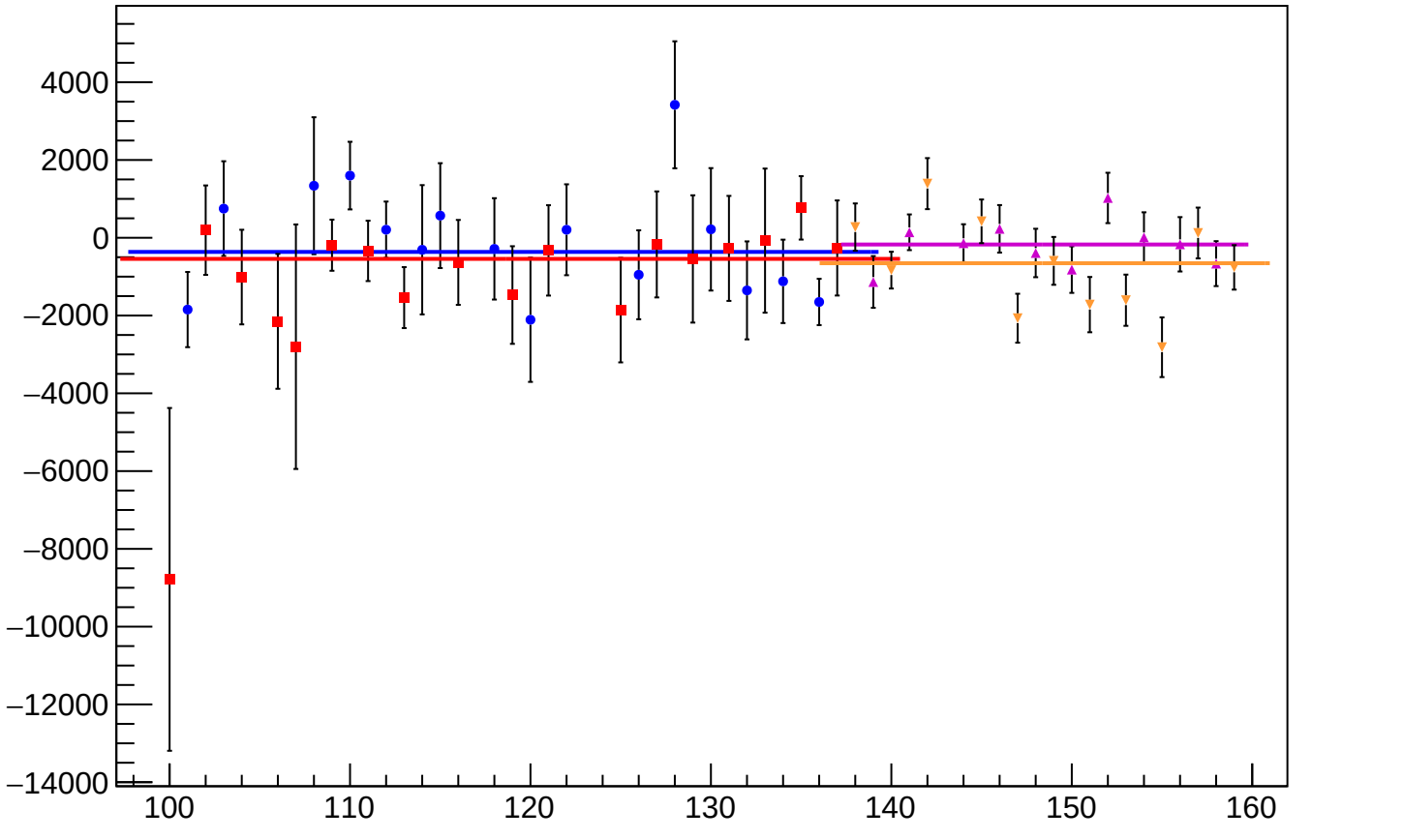
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.978+/-0.187 χ^2/NDF:2093.7/9

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

All: 779.884+/-0.097 χ^2/NDF: 22697.4/54

- sign 781.162+/-0.138 χ^2/NDF: 9663.4/27



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

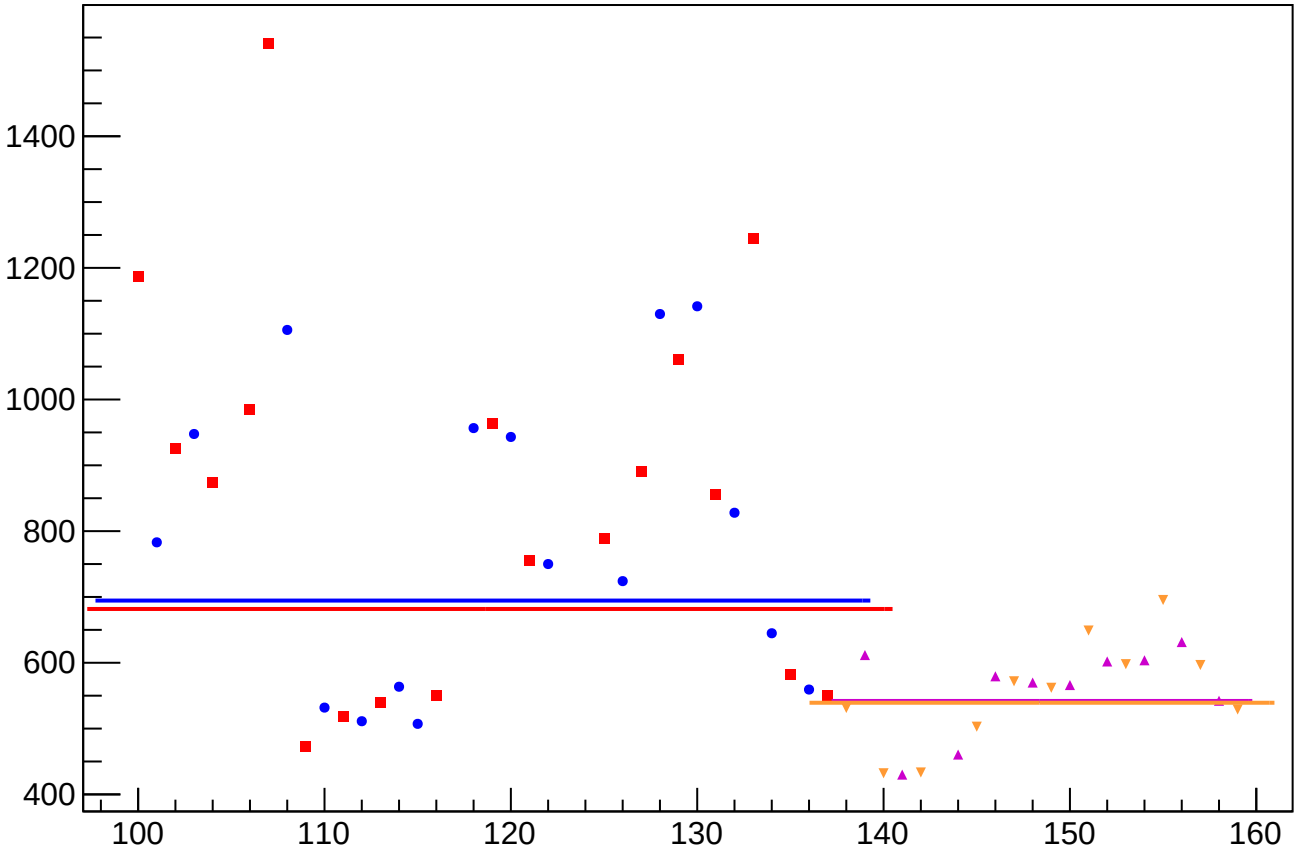
Left In: -173.361+/-185.408 χ^2/NDF:8.5/9

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

All: -427.584+/-107.642 χ^2/NDF: 81.9/54

- sign -294.631+/-151.968 χ^2/NDF: 21.6/27

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

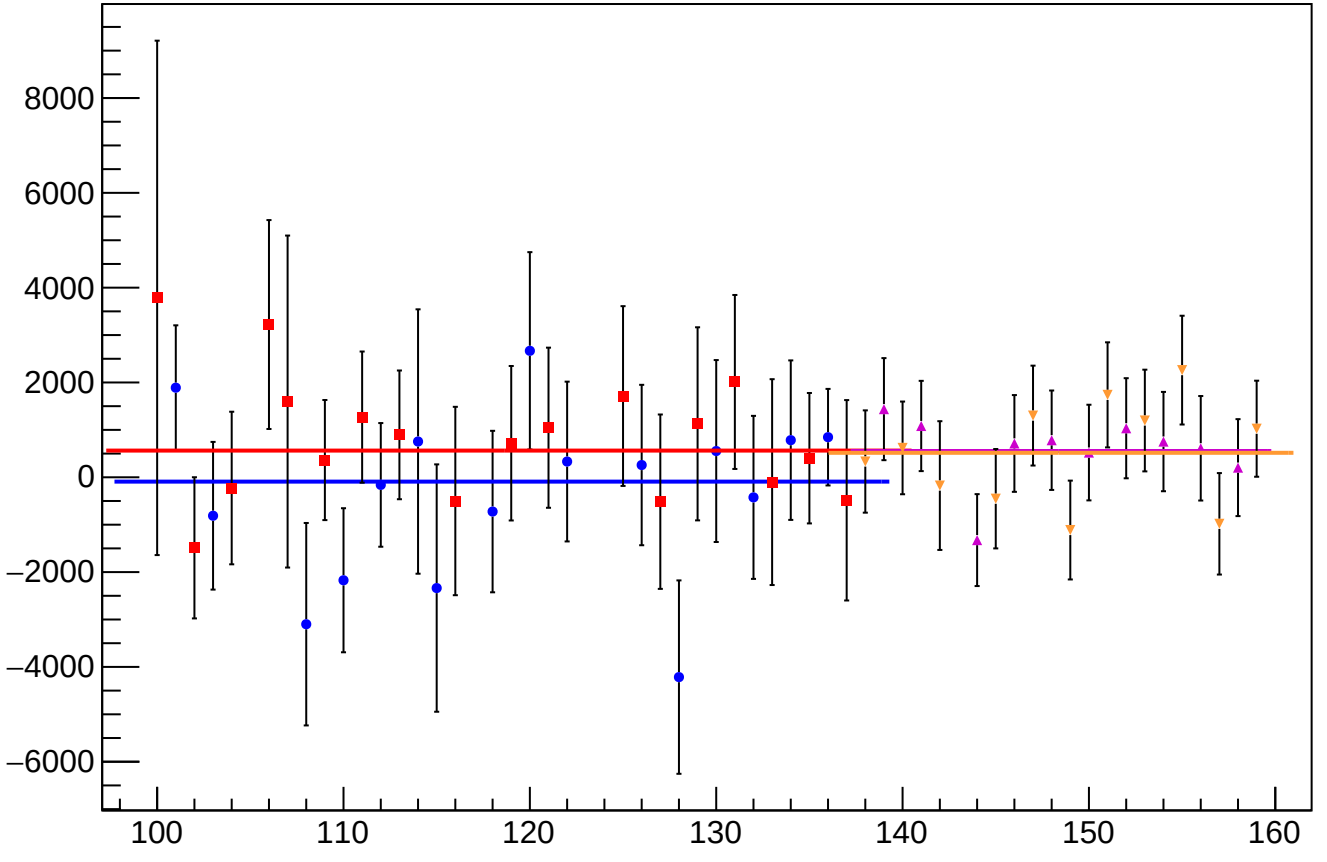
Left In: 541.973+/-0.131 χ^2/NDF:279687.0/9

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

All: 588.436+/-0.076 χ^2/NDF: 3779520.6/54

- sign 587.843+/-0.107 χ^2/NDF: 1964026.5/27

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

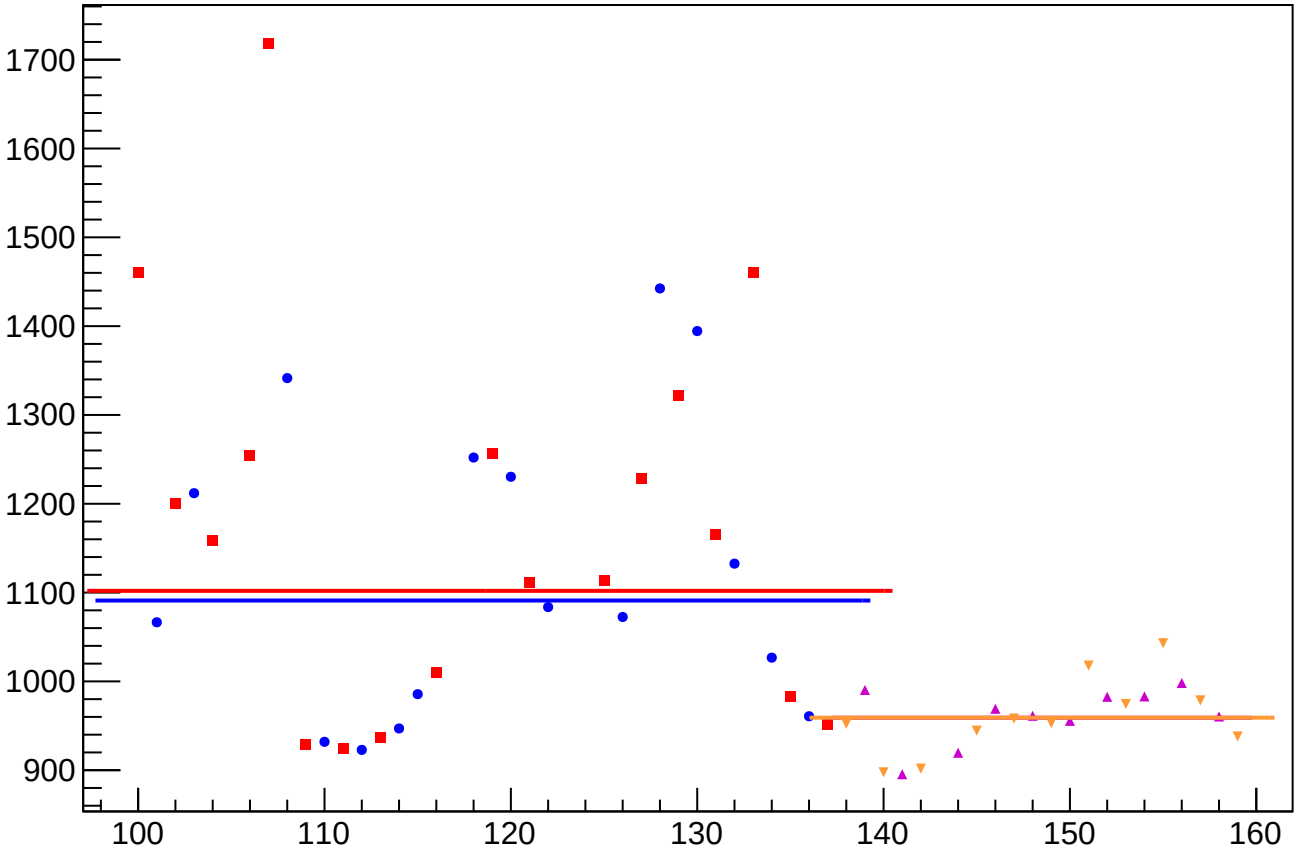
Left In: 554.008+/-324.951 χ^2/NDF:5.2/9

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

All: 419.552+/-180.209 χ^2/NDF: 38.5/54

- sign 557.573+/-255.039 χ^2/NDF: 11.7/27

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

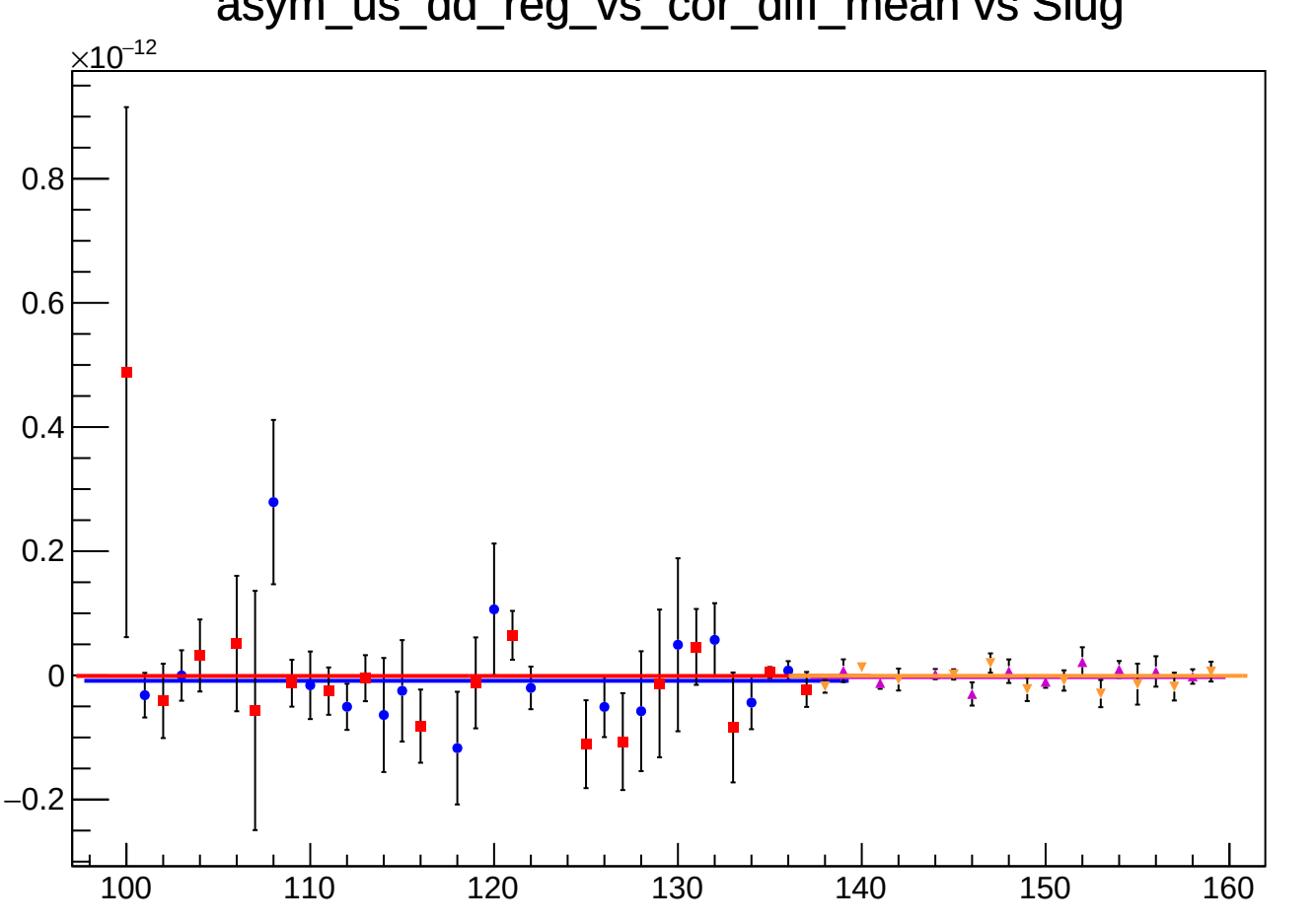
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 959.066+/-0.230 χ^2/NDF:18722.8/9

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

All: 1011.984+/-0.127 χ^2/NDF: 930261.4/54

- sign 1013.935+/-0.180 χ^2/NDF: 495326.8/27



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

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

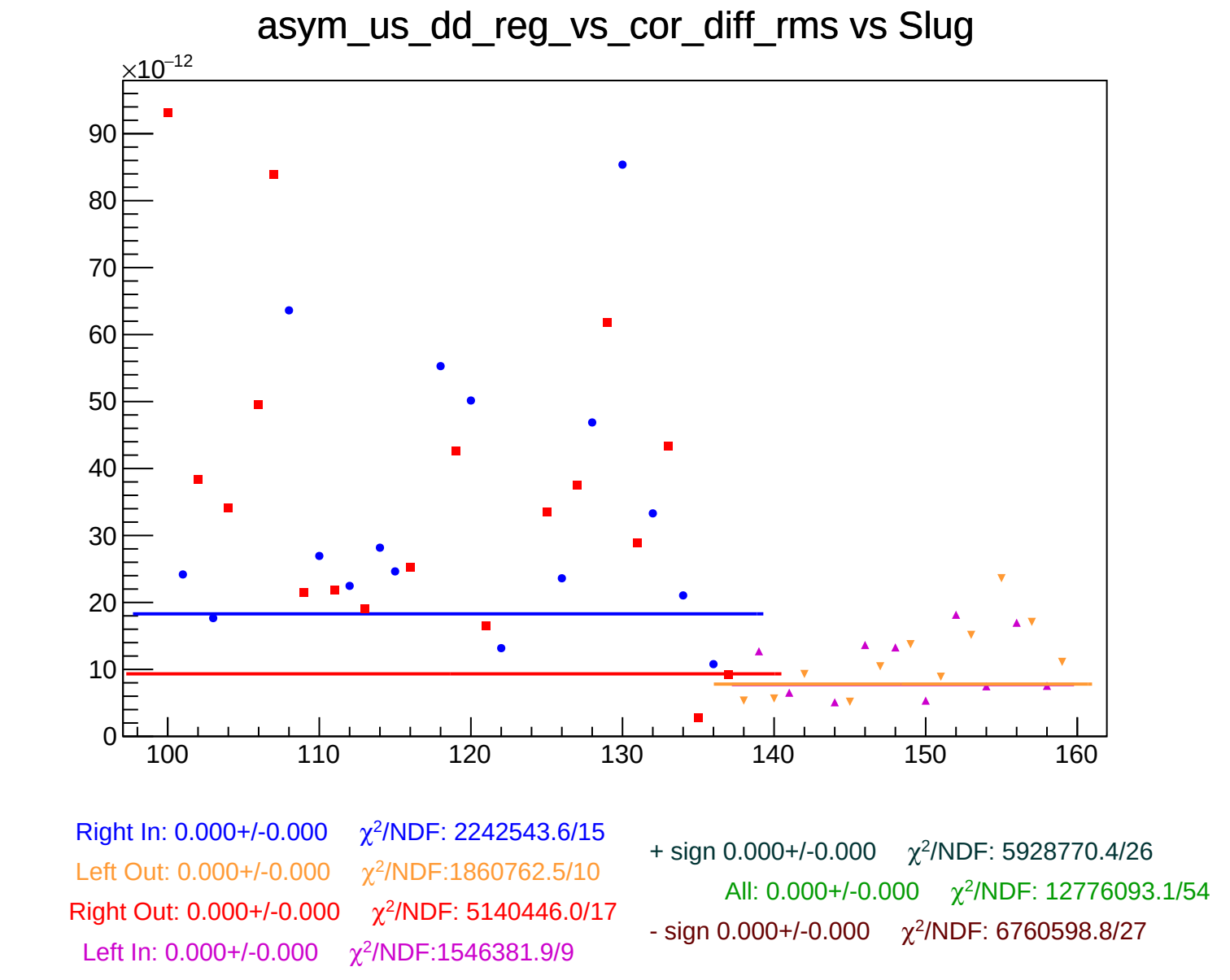
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:6.6/9

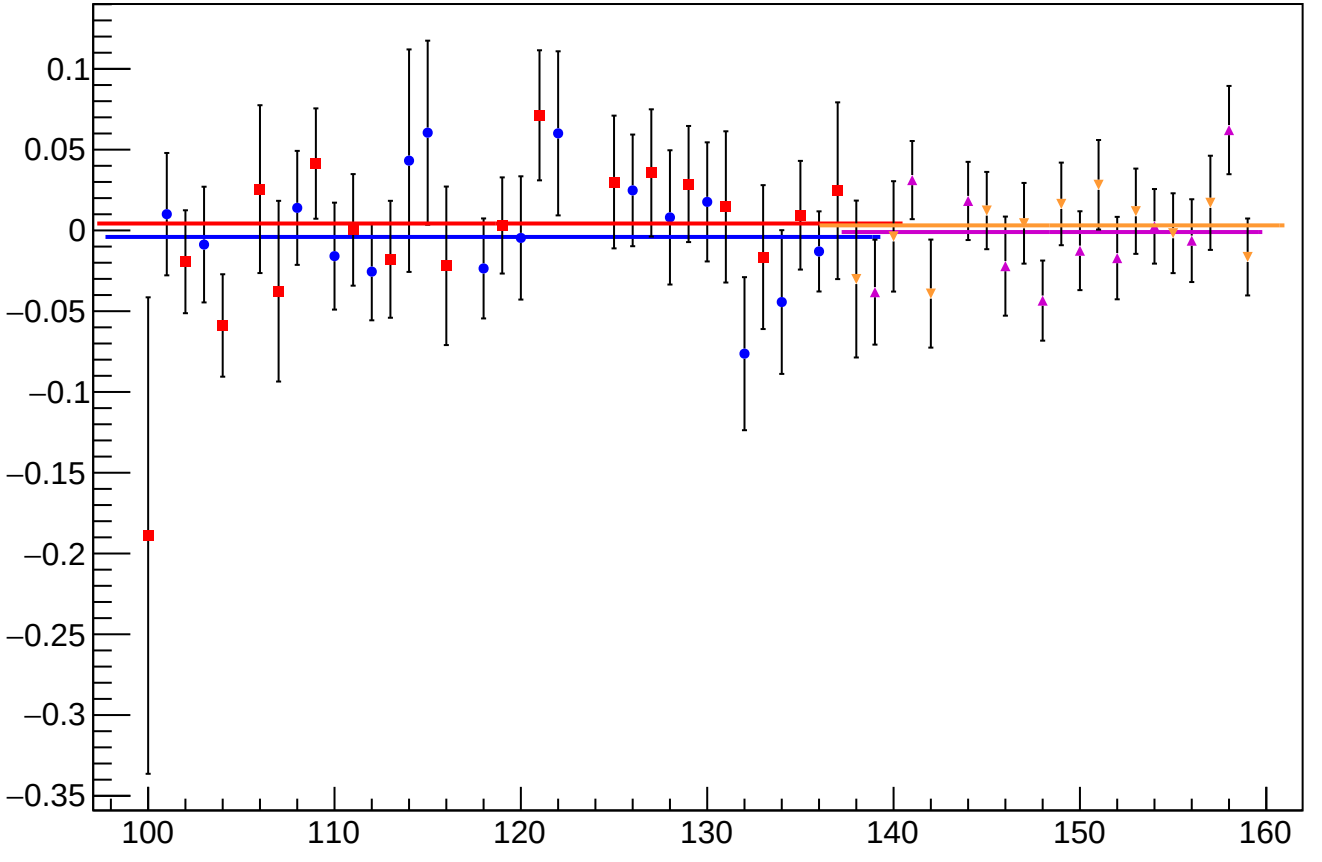
+ sign -0.000+/-0.000 χ^2/NDF: 26.3/26

All: -0.000+/-0.000 χ^2/NDF: 47.3/54

- sign -0.000+/-0.000 χ^2/NDF: 21.0/27


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:1546381.9/9
+ sign 0.000+/-0.000 χ²/NDF: 5928770.4/26
All: 0.000+/-0.000 χ²/NDF: 12776093.1/54
- sign 0.000+/-0.000 χ²/NDF: 6760598.8/27

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

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

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

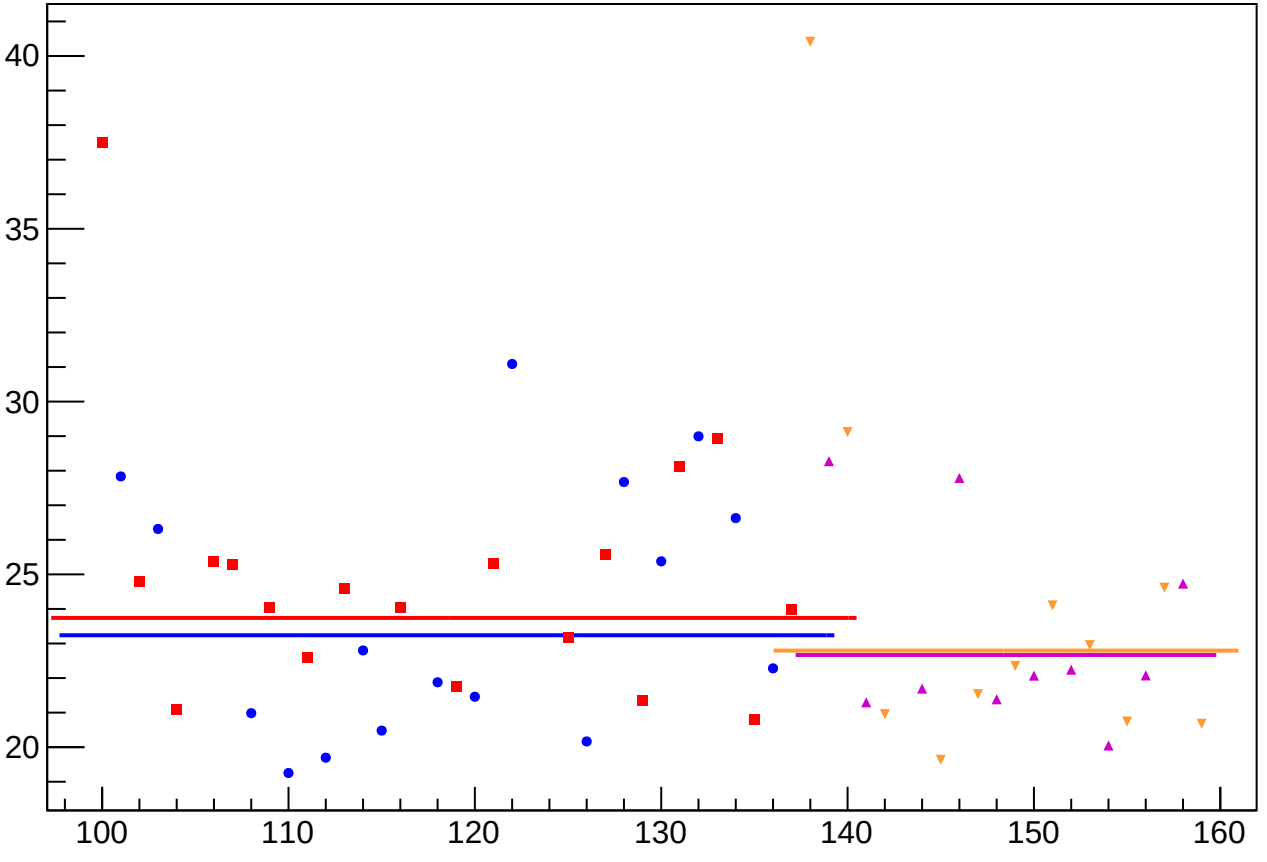
Left In: -0.001+/-0.008 χ^2/NDF:13.1/9

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

All: 0.001+/-0.004 χ^2/NDF: 40.8/54

- sign 0.001+/-0.006 χ^2/NDF: 26.8/27

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

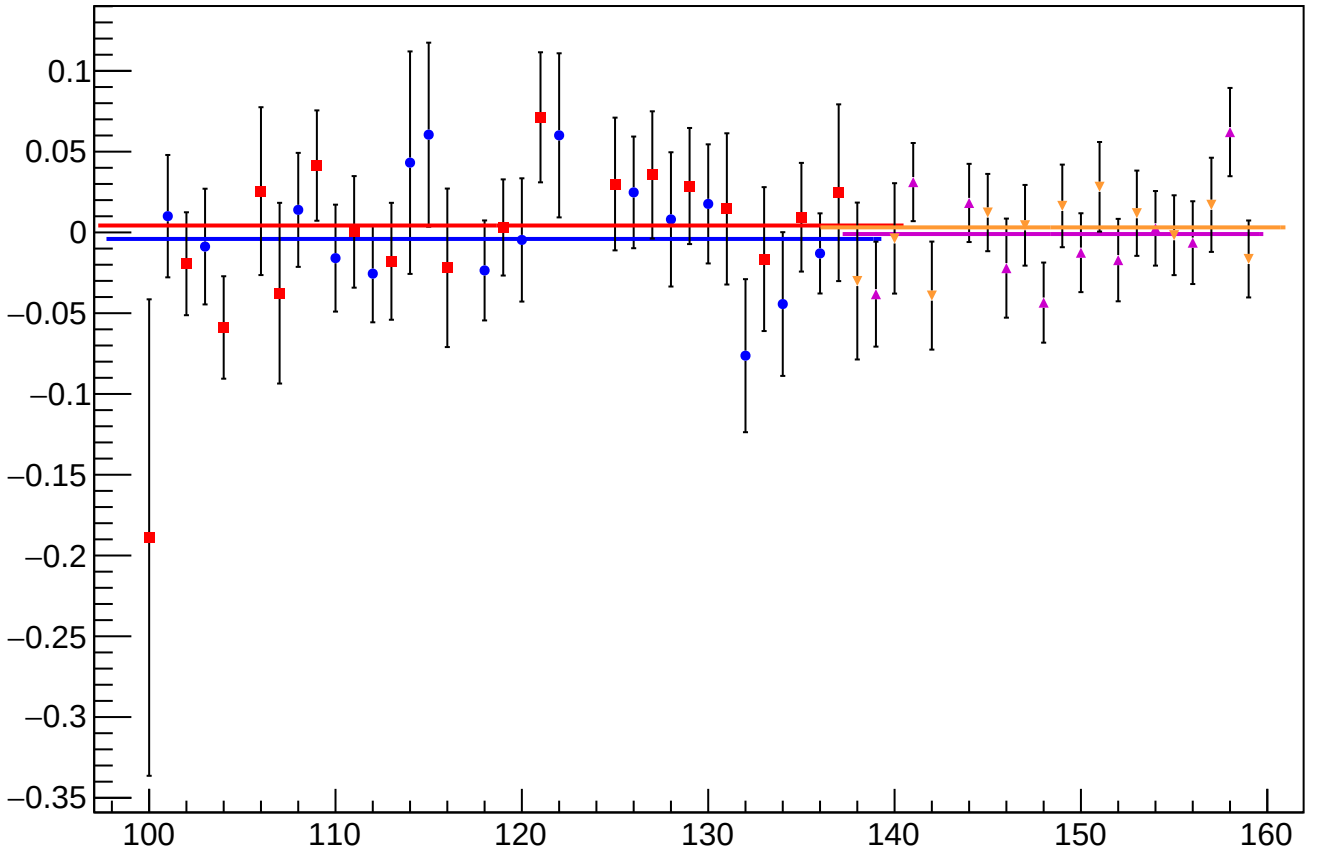
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.666+/-0.006 χ^2/NDF:170392.3/9

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

All: 23.063+/-0.003 χ^2/NDF: 994188.1/54

- sign 23.133+/-0.004 χ^2/NDF: 311615.2/27



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

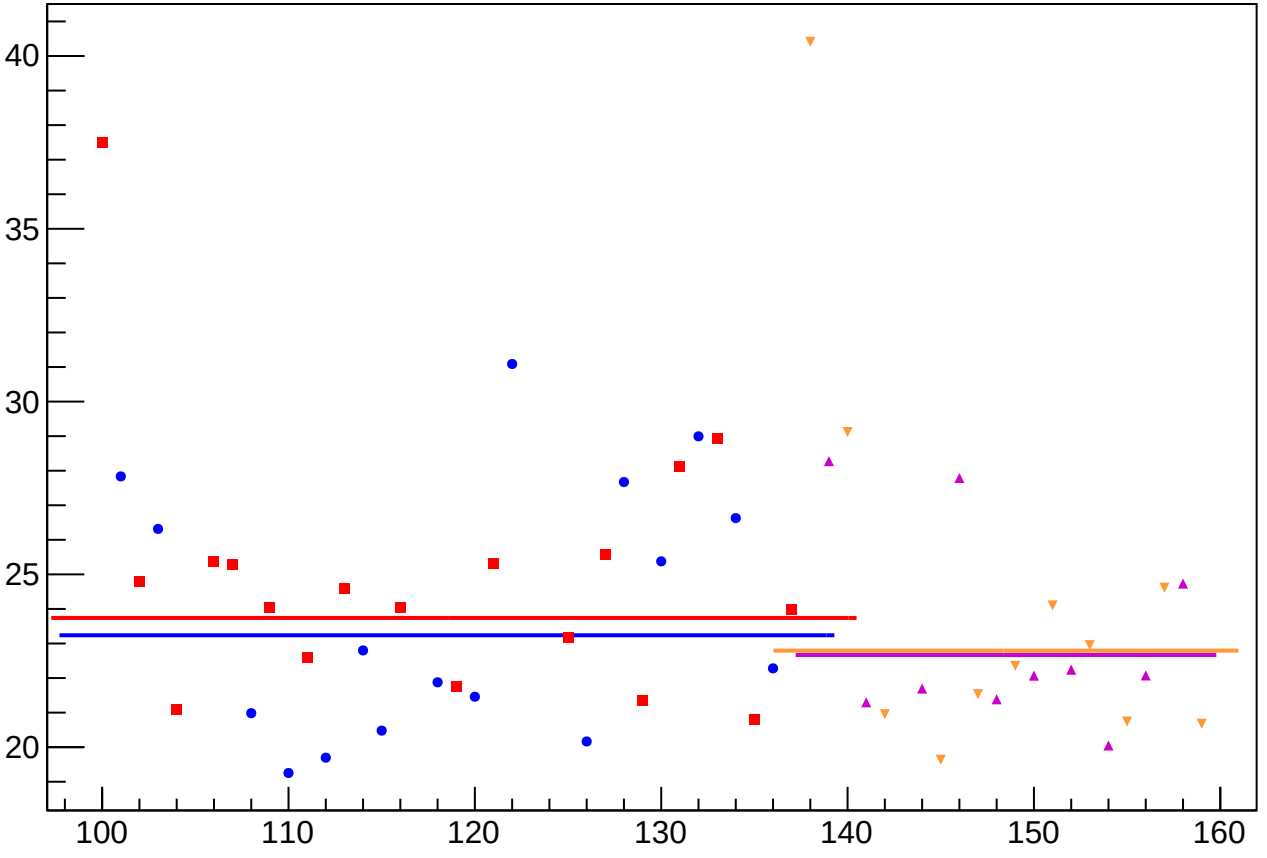
Left In: -0.001+/-0.008 χ^2/NDF:13.1/9

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

All: 0.001+/-0.004 χ^2/NDF: 40.8/54

- sign 0.001+/-0.006 χ^2/NDF: 26.8/27

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

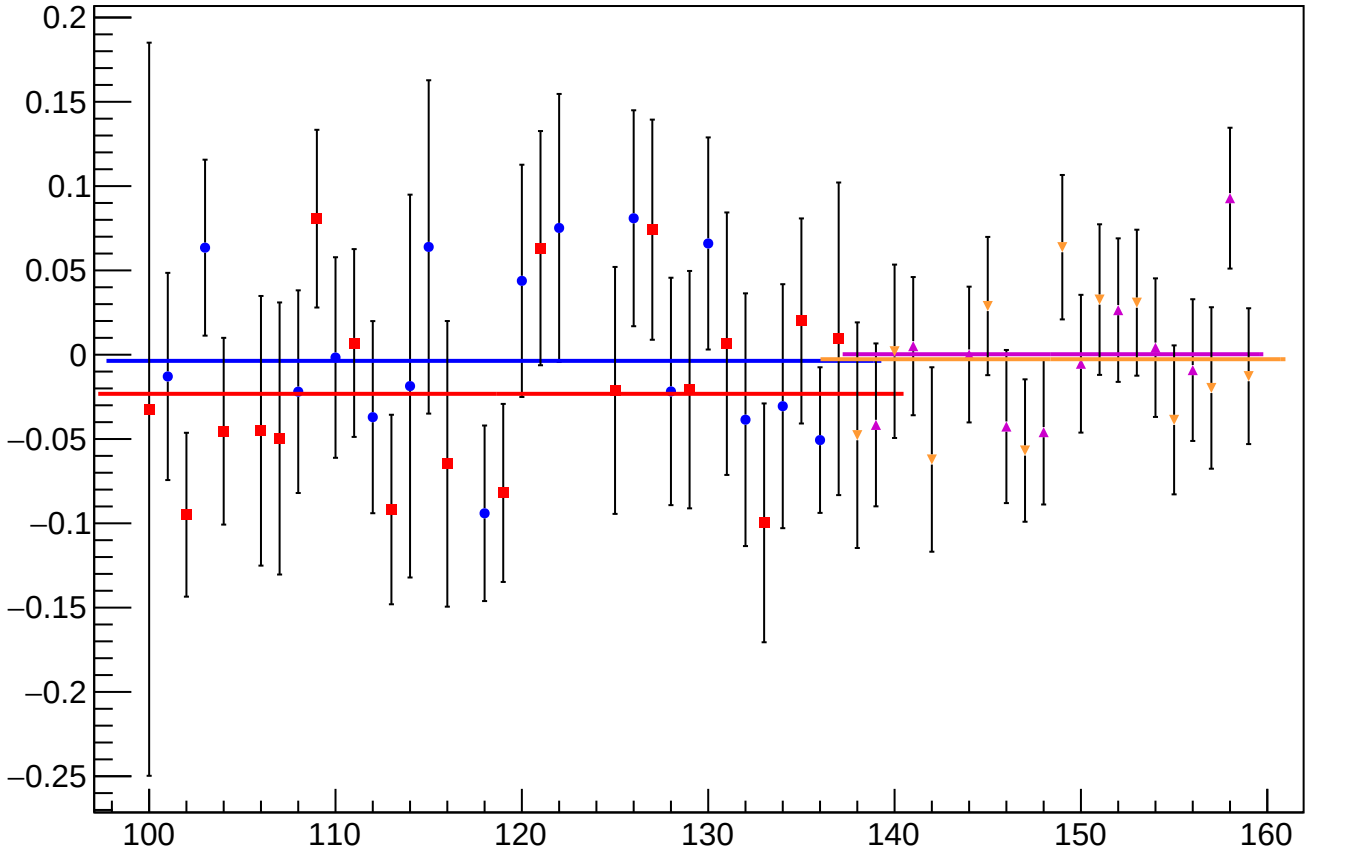
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.666+/-0.006 χ^2/NDF:170392.3/9

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

All: 23.063+/-0.003 χ^2/NDF: 994188.1/54

- sign 23.133+/-0.004 χ^2/NDF: 311615.2/27



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

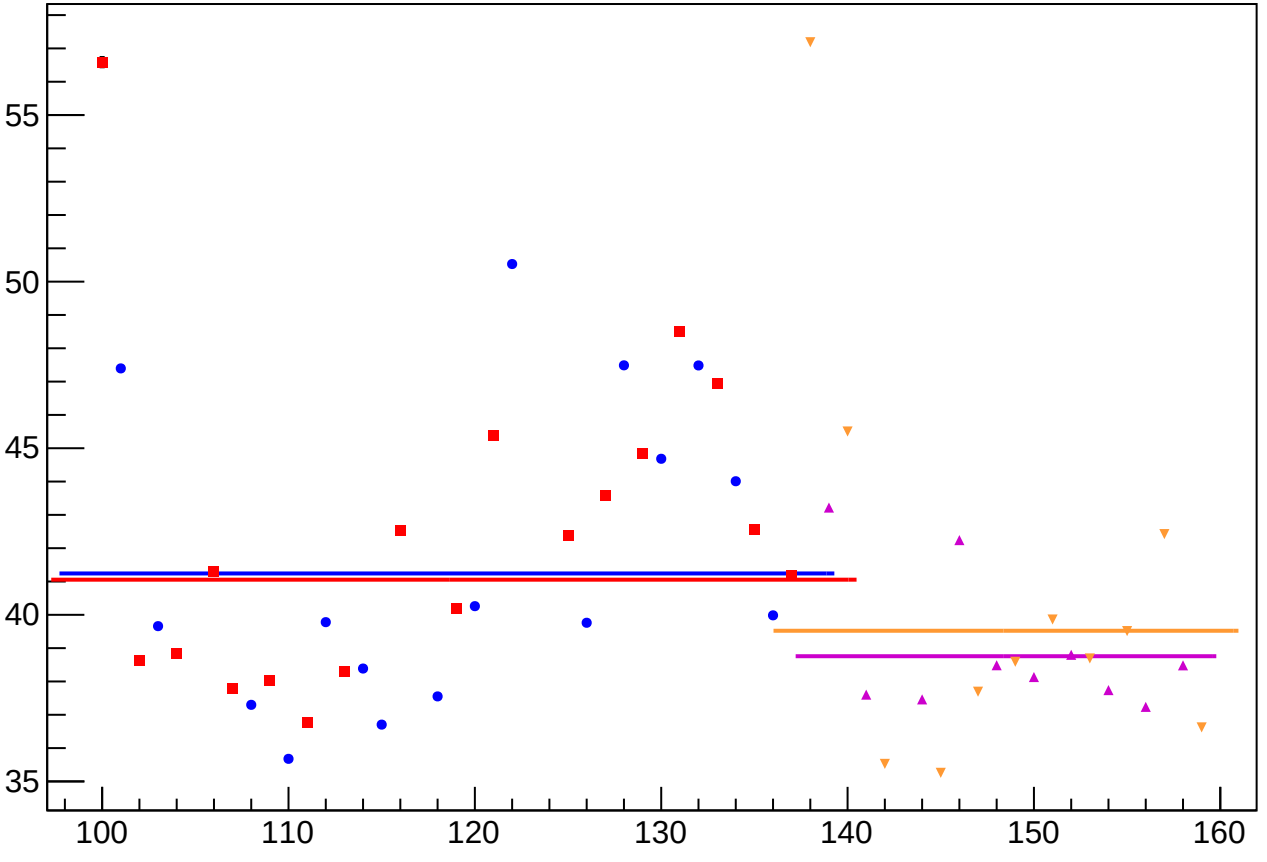
Left In: 0.000+/-0.013 χ^2/NDF:8.2/9

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

All: -0.007+/-0.007 χ^2/NDF: 45.1/54

- sign -0.010+/-0.010 χ^2/NDF: 24.9/27

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

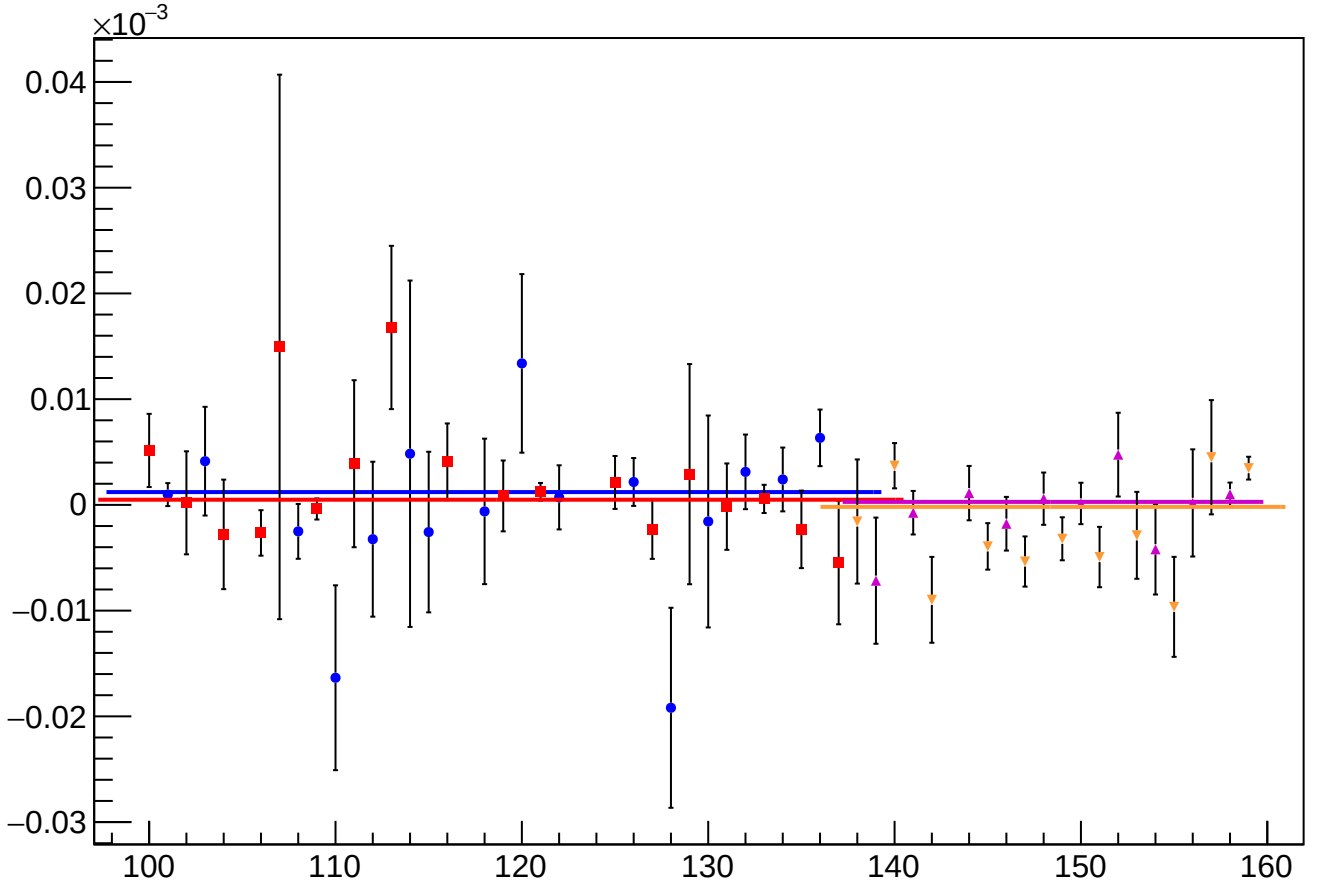
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 38.758+/-0.009 χ^2/NDF:36967.8/9

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

All: 40.000+/-0.005 χ^2/NDF: 532048.7/54

- sign 39.742+/-0.007 χ^2/NDF: 158618.9/27



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

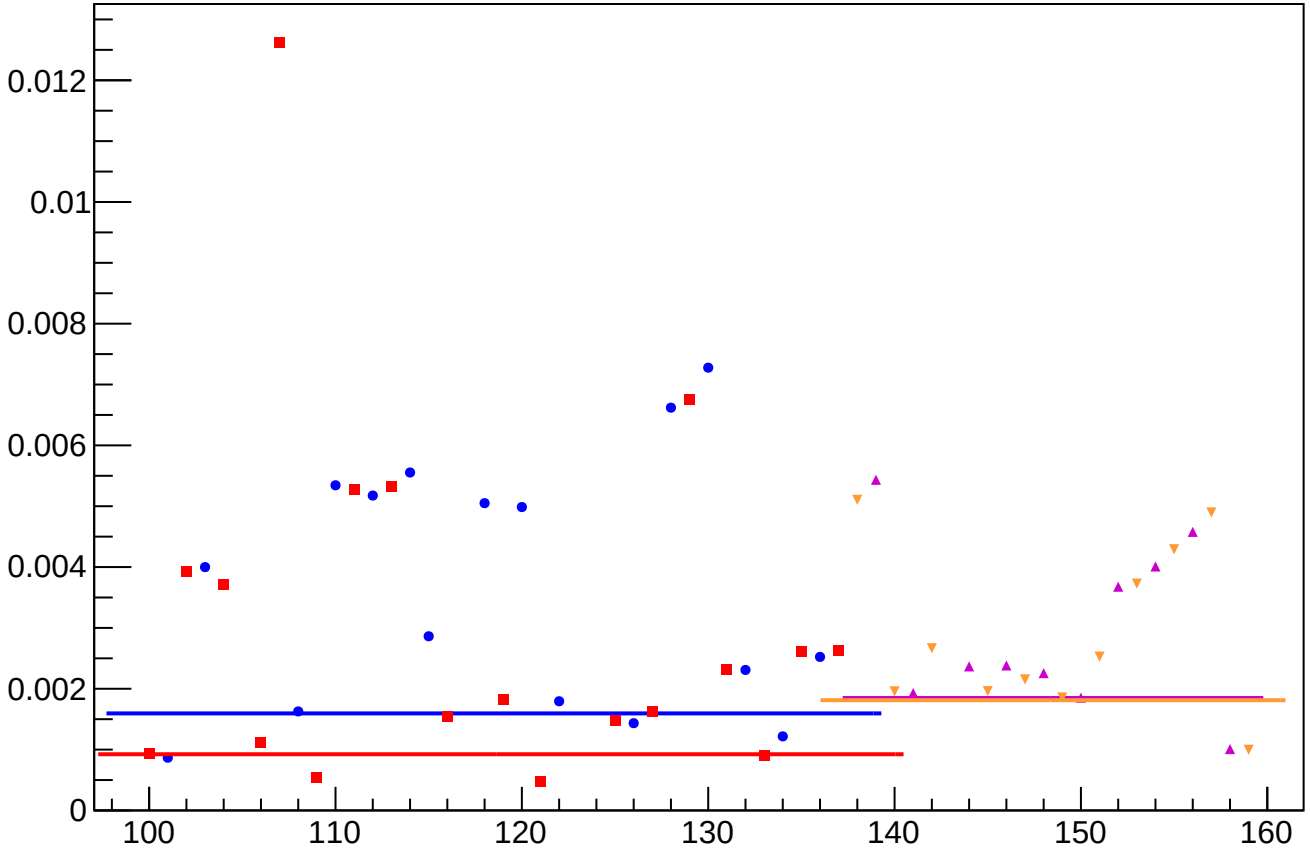
Left In: 0.000+/-0.000 χ^2/NDF:5.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 57.6/26

All: 0.000+/-0.000 χ^2/NDF: 78.0/54

- sign 0.000+/-0.000 χ^2/NDF: 20.4/27

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

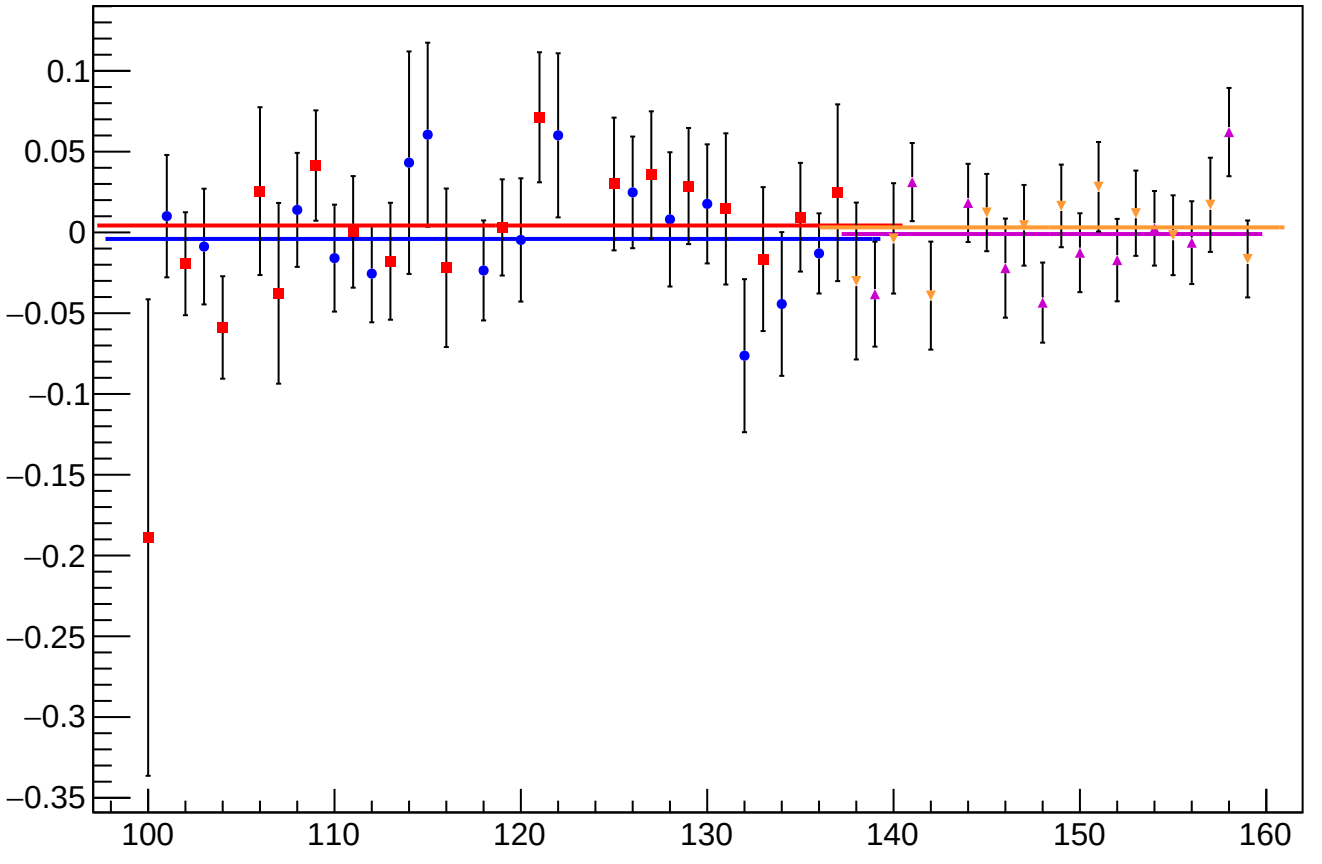
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:3628533.4/9

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

All: 0.001+/-0.000 χ^2/NDF: 21309745.5/54

- sign 0.001+/-0.000 χ^2/NDF: 11678007.0/27



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

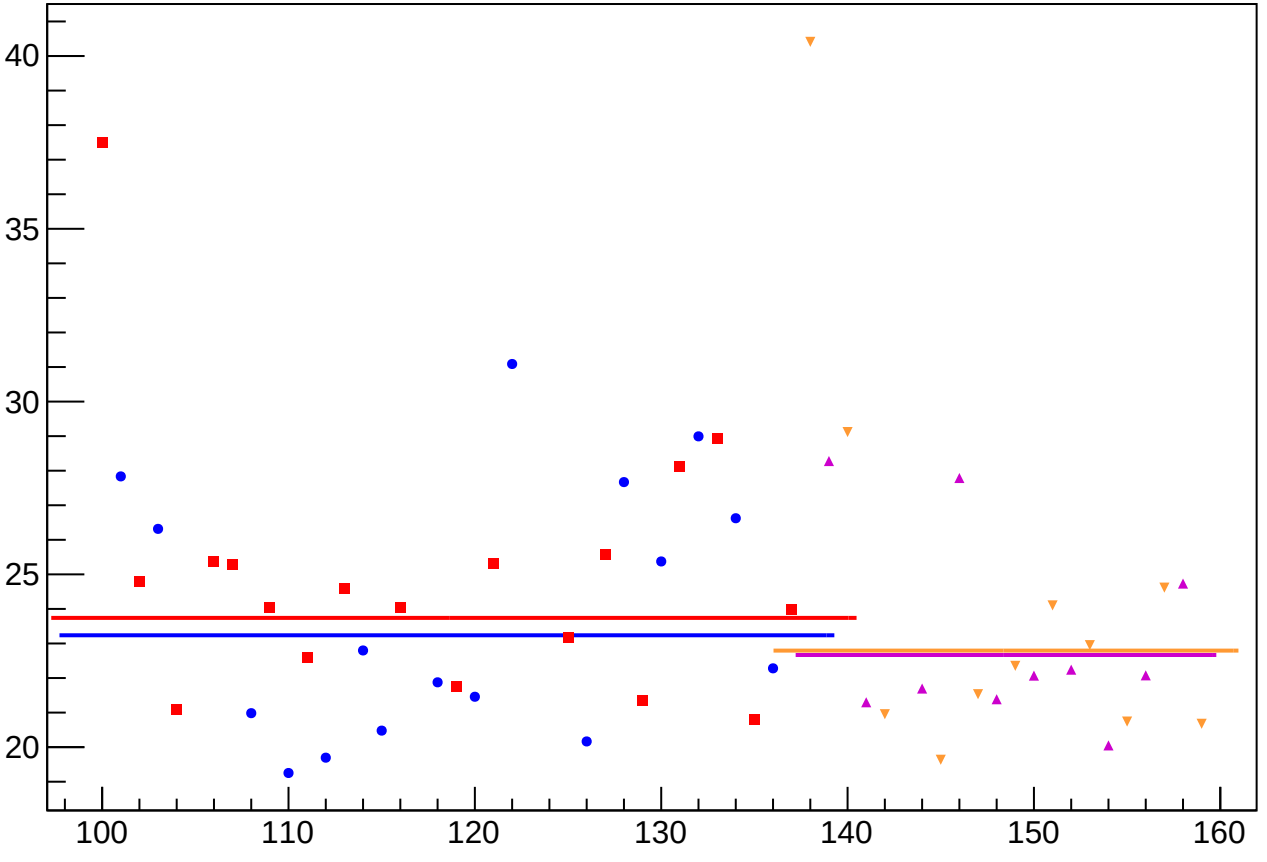
Left In: -0.001+/-0.008 χ^2/NDF:13.1/9

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

All: 0.001+/-0.004 χ^2/NDF: 40.8/54

- sign 0.001+/-0.006 χ^2/NDF: 26.8/27

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

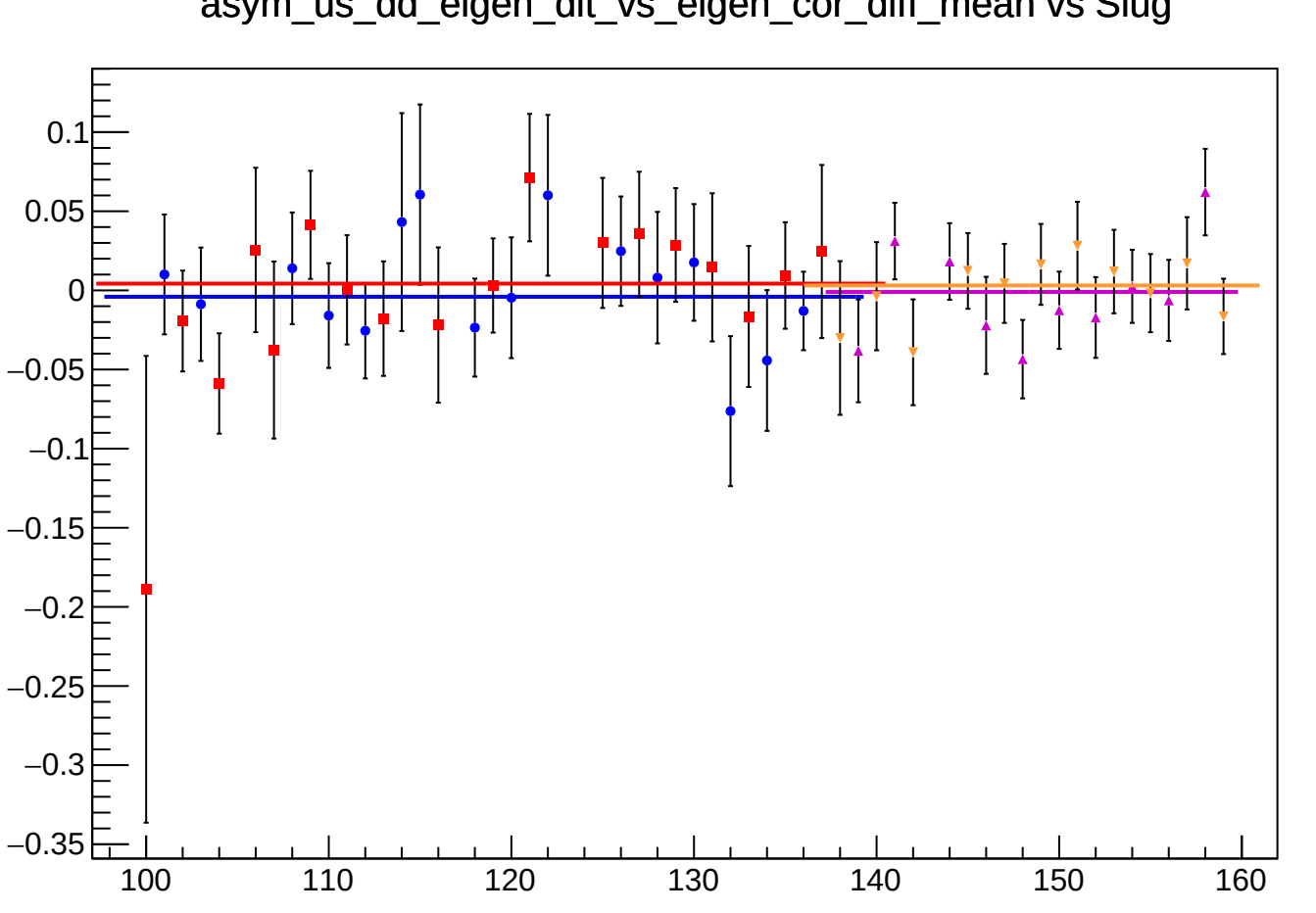
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.667+/-0.006 χ^2/NDF:170360.5/9

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

All: 23.064+/-0.003 χ^2/NDF: 994103.2/54

- sign 23.133+/-0.004 χ^2/NDF: 311527.7/27



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

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

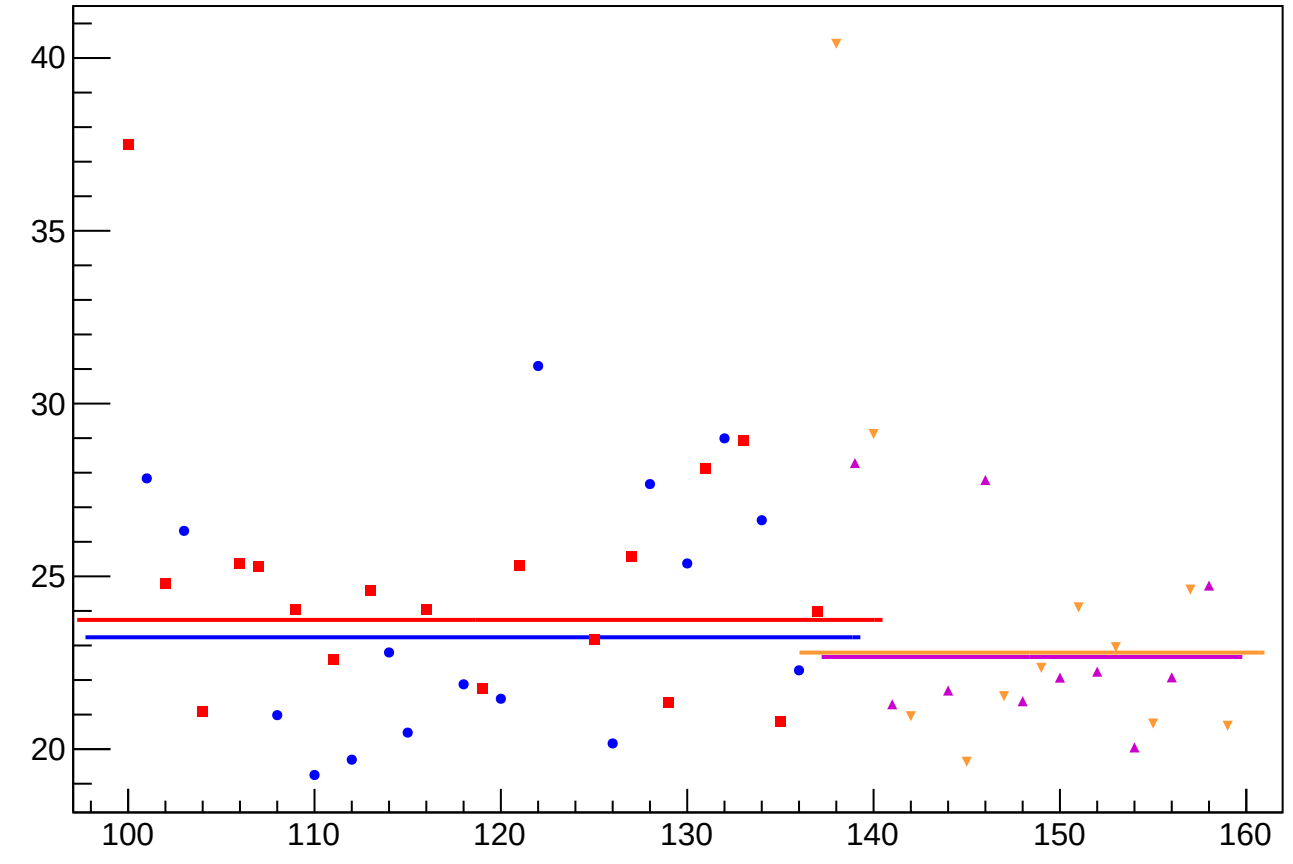
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.001+/-0.008 χ^2/NDF:13.1/9

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

All: 0.001+/-0.004 χ^2/NDF: 40.8/54

- sign 0.001+/-0.006 χ^2/NDF: 26.8/27



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

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

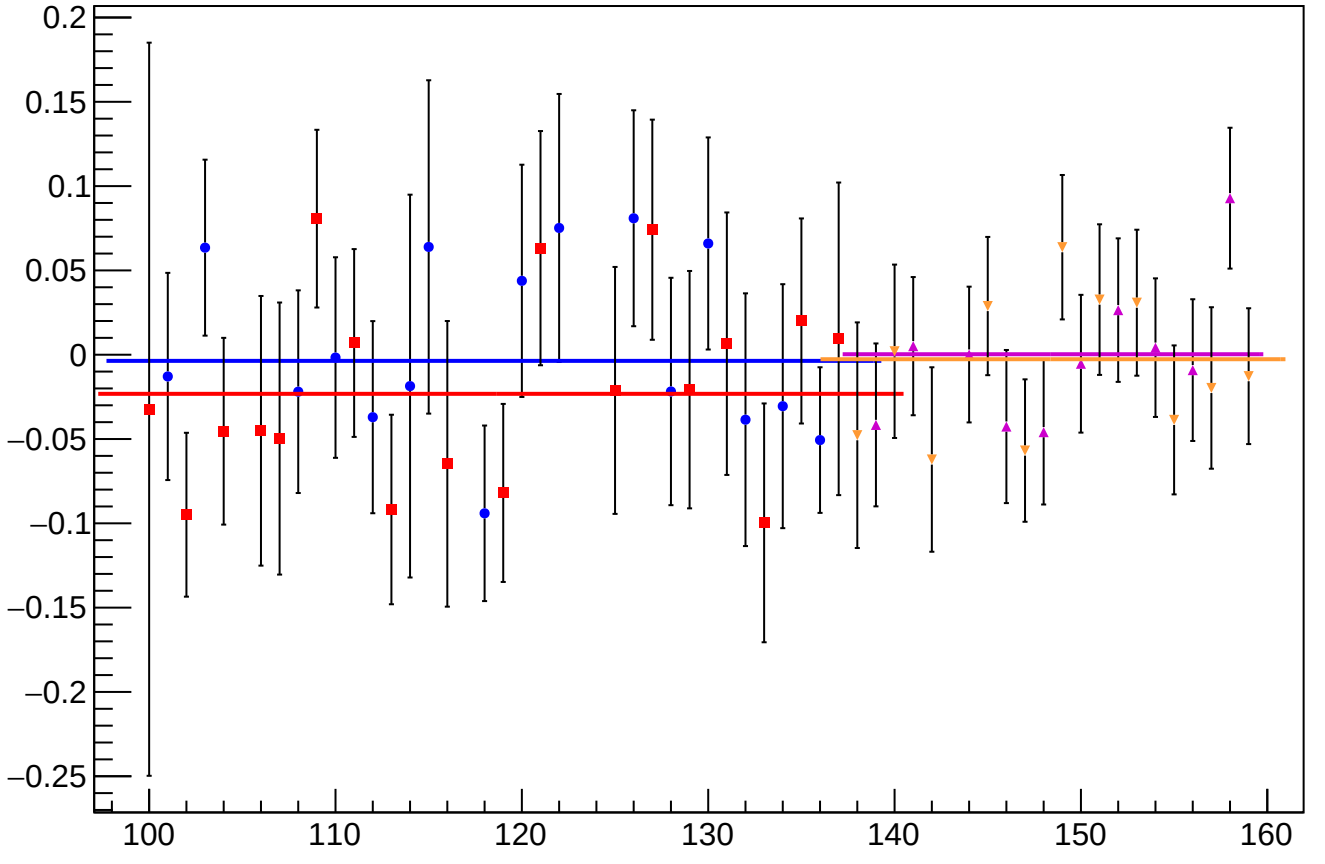
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.667+/-0.006 χ^2/NDF:170360.5/9

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

All: 23.064+/-0.003 χ^2/NDF: 994103.2/54

- sign 23.133+/-0.004 χ^2/NDF: 311527.7/27



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

Left Out: -0.003+/-0.014 χ^2/NDF:8.4/10

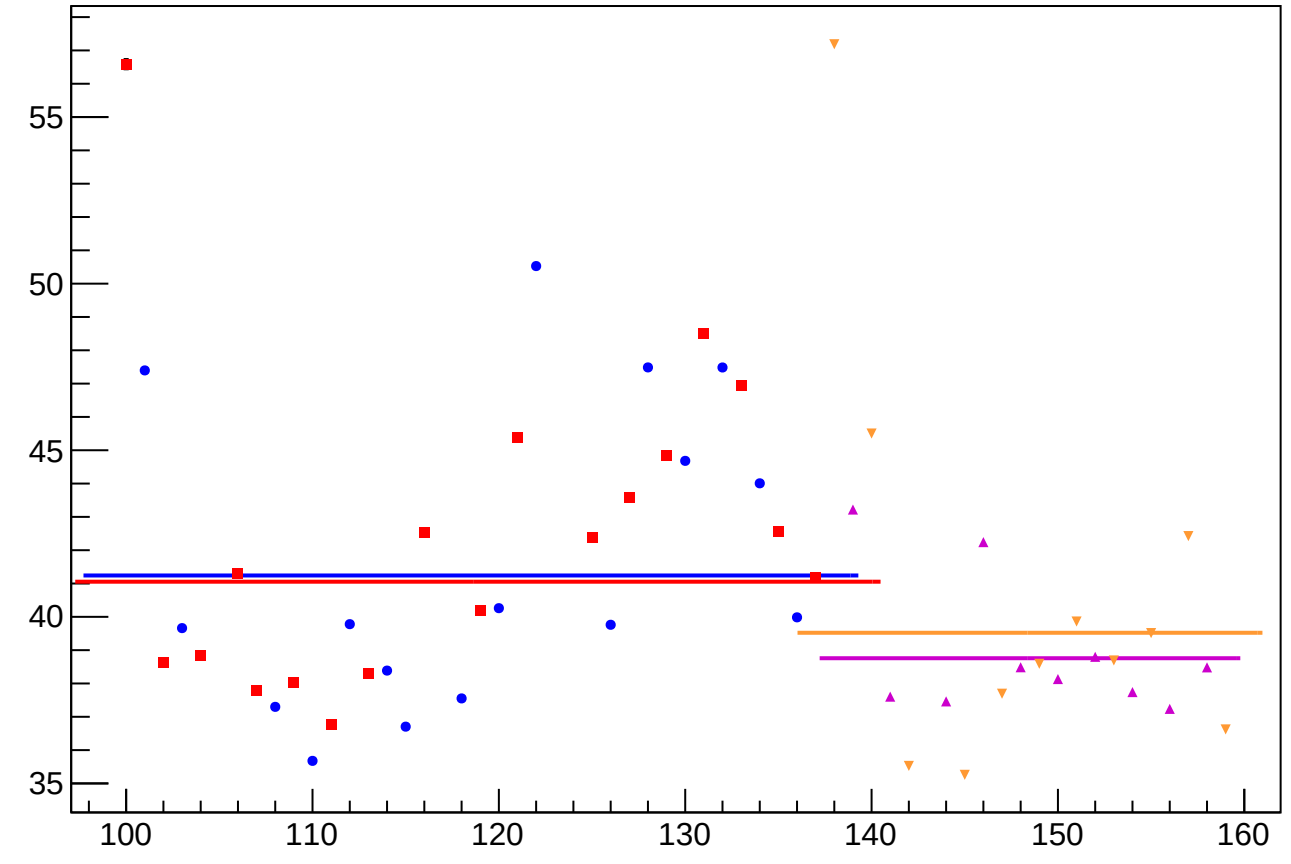
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.000+/-0.013 χ^2/NDF:8.2/9

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

All: -0.007+/-0.007 χ^2/NDF: 45.1/54

- sign -0.010+/-0.010 χ^2/NDF: 24.9/27



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

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

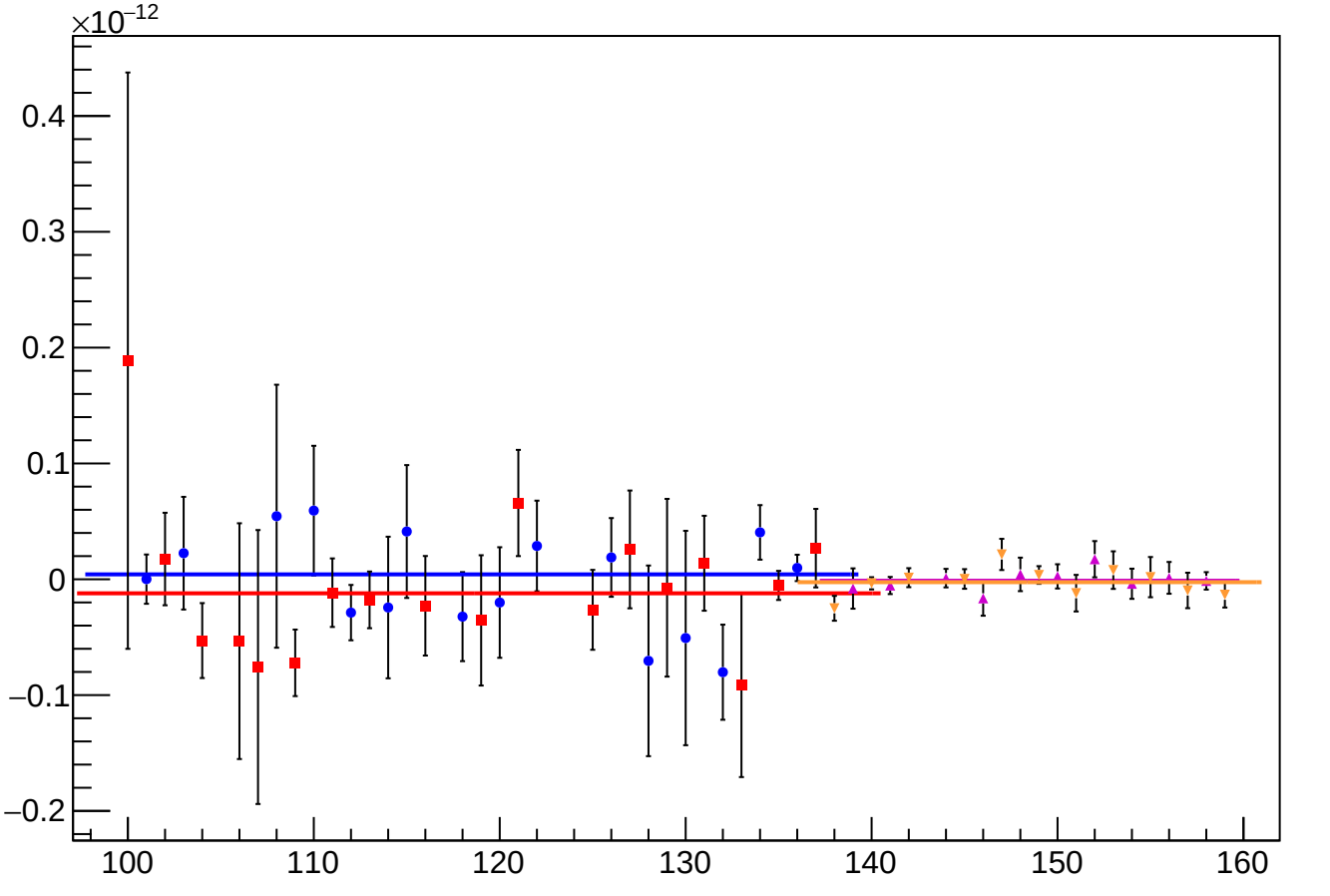
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 38.758+/-0.009 χ^2/NDF:36970.2/9

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

All: 40.000+/-0.005 χ^2/NDF: 532011.7/54

- sign 39.742+/-0.007 χ^2/NDF: 158606.2/27



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

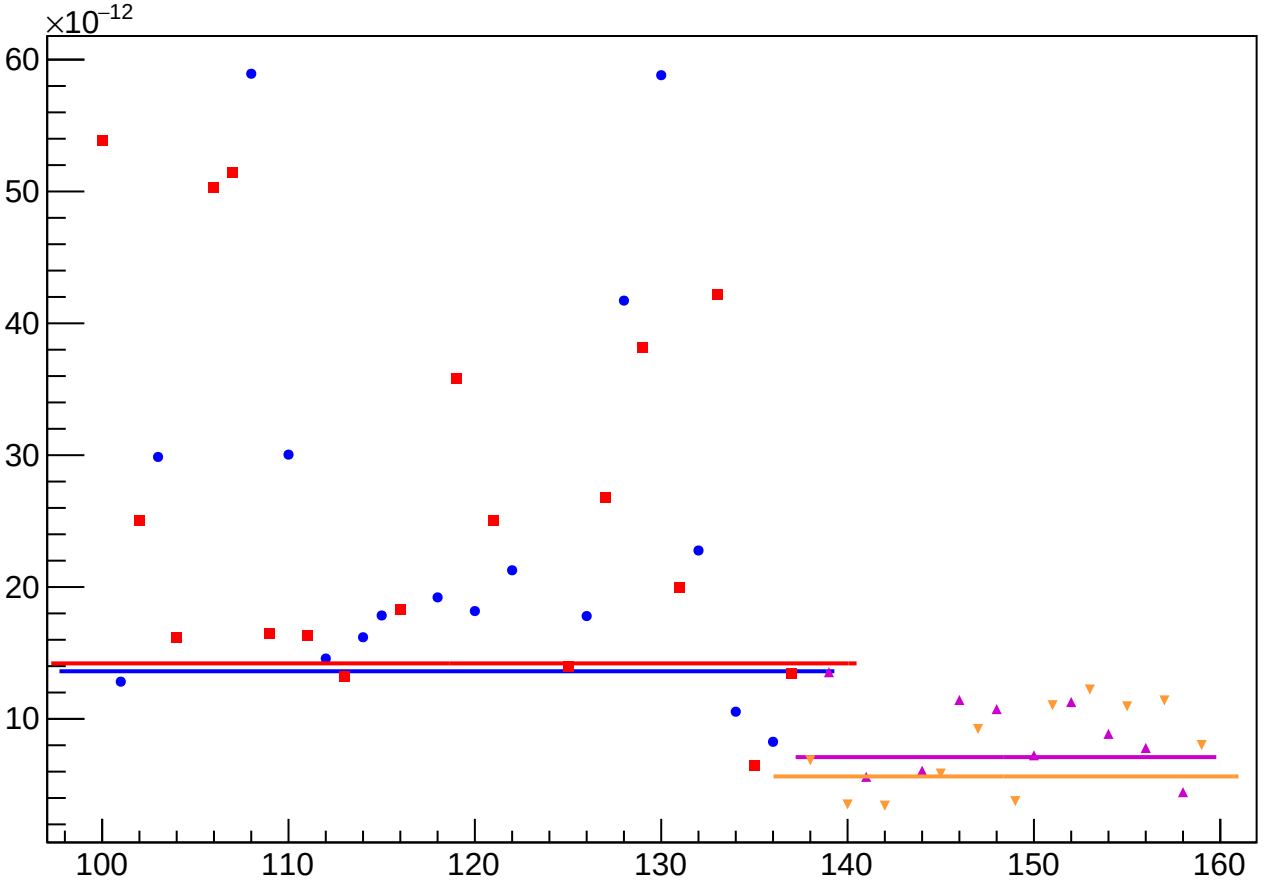
Left In: -0.000+/-0.000 χ^2/NDF:3.3/9

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

All: -0.000+/-0.000 χ^2/NDF: 44.6/54

- sign -0.000+/-0.000 χ^2/NDF: 19.5/27

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

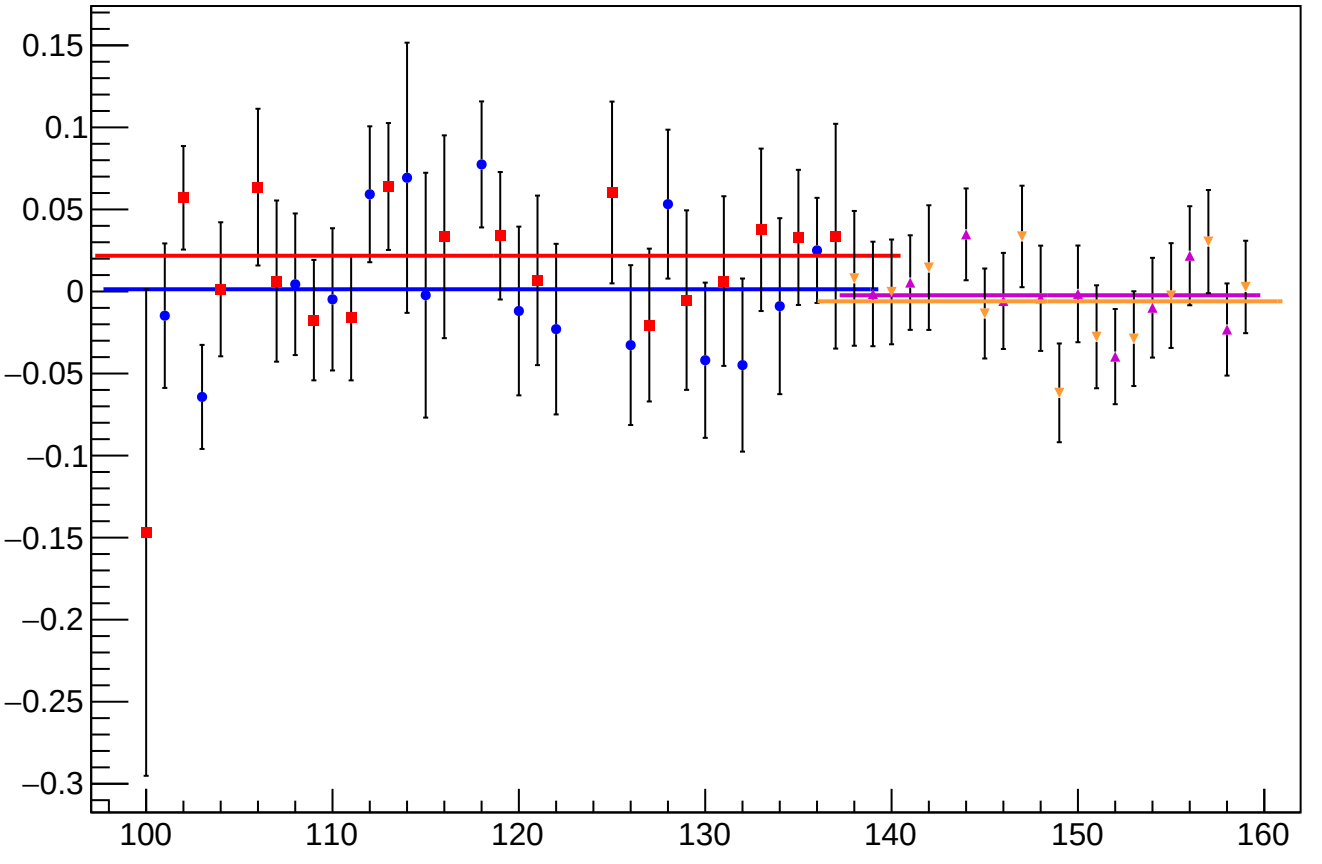
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1116611.9/9

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

All: 0.000+/-0.000 χ^2/NDF: 11375923.6/54

- sign 0.000+/-0.000 χ^2/NDF: 4992405.3/27



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

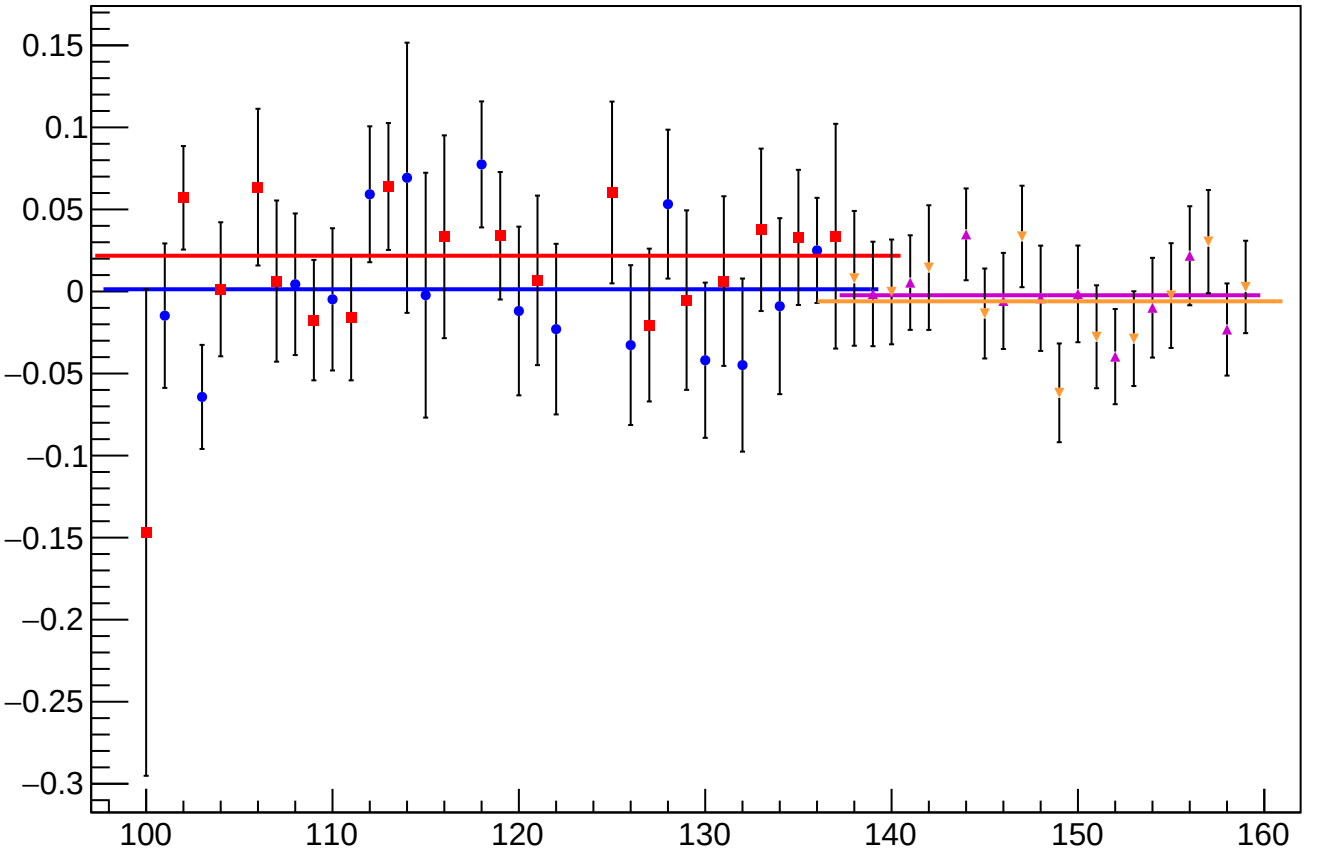
Left In: -0.002+/-0.009 χ^2/NDF:4.8/9

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

All: 0.003+/-0.005 χ^2/NDF: 41.5/54

- sign 0.008+/-0.007 χ^2/NDF: 16.6/27

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug
40
38
36
34
32
30
28
26
24
100
110
120
130
140
150
160
Right In: 29.146+/-0.008 χ²/NDF: 176889.4/15
Left Out: 26.686+/-0.007 χ²/NDF:156413.5/10
Right Out: 28.140+/-0.008 χ²/NDF: 187103.8/17
Left In: 26.797+/-0.007 χ²/NDF:25948.4/9
+ sign 27.706+/-0.005 χ²/NDF: 389628.9/26
All: 27.537+/-0.004 χ²/NDF: 622534.4/54
- sign 27.375+/-0.005 χ²/NDF: 230752.6/27



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

Left Out: -0.006+/-0.009 χ^2/NDF:8.1/10

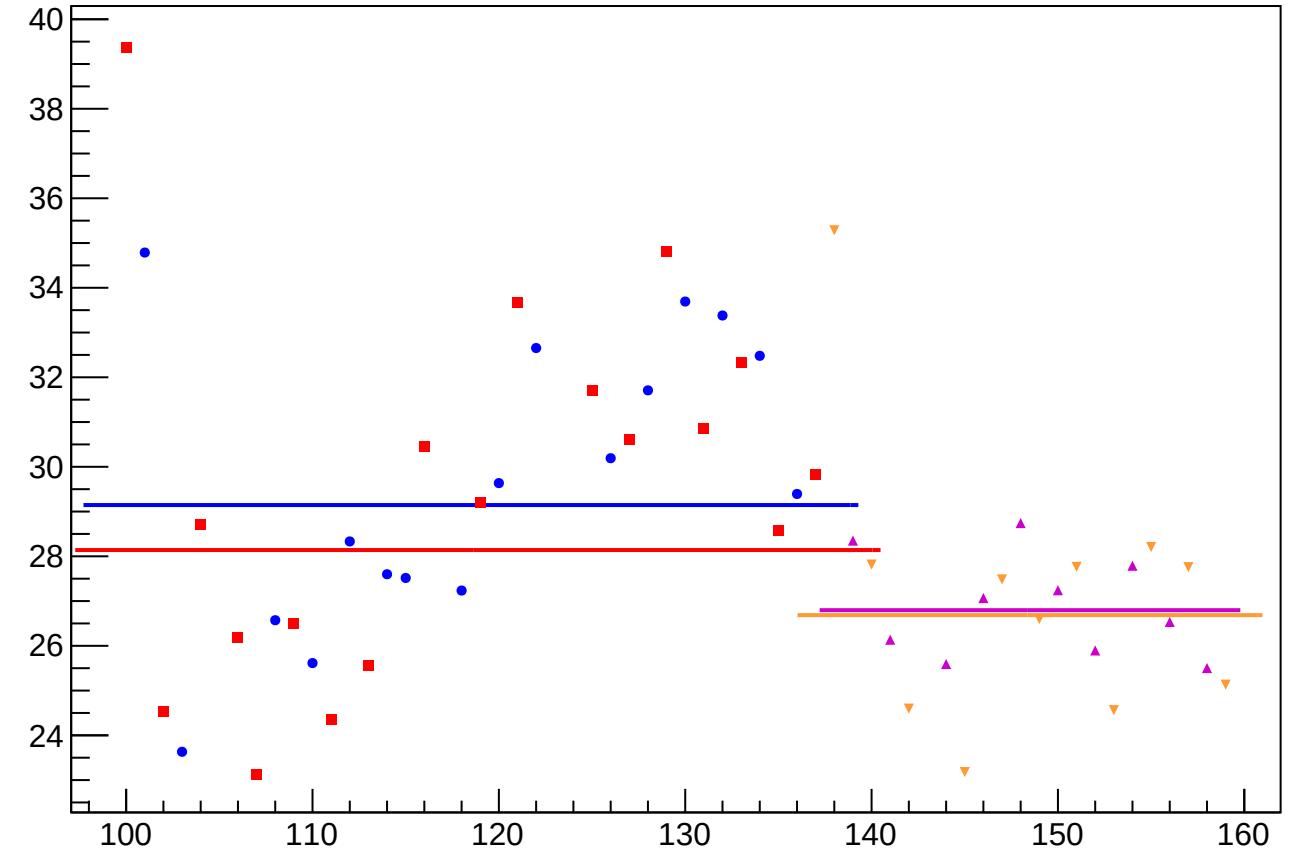
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.002+/-0.009 χ^2/NDF:4.8/9

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

All: 0.003+/-0.005 χ^2/NDF: 41.5/54

- sign 0.008+/-0.007 χ^2/NDF: 16.6/27



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

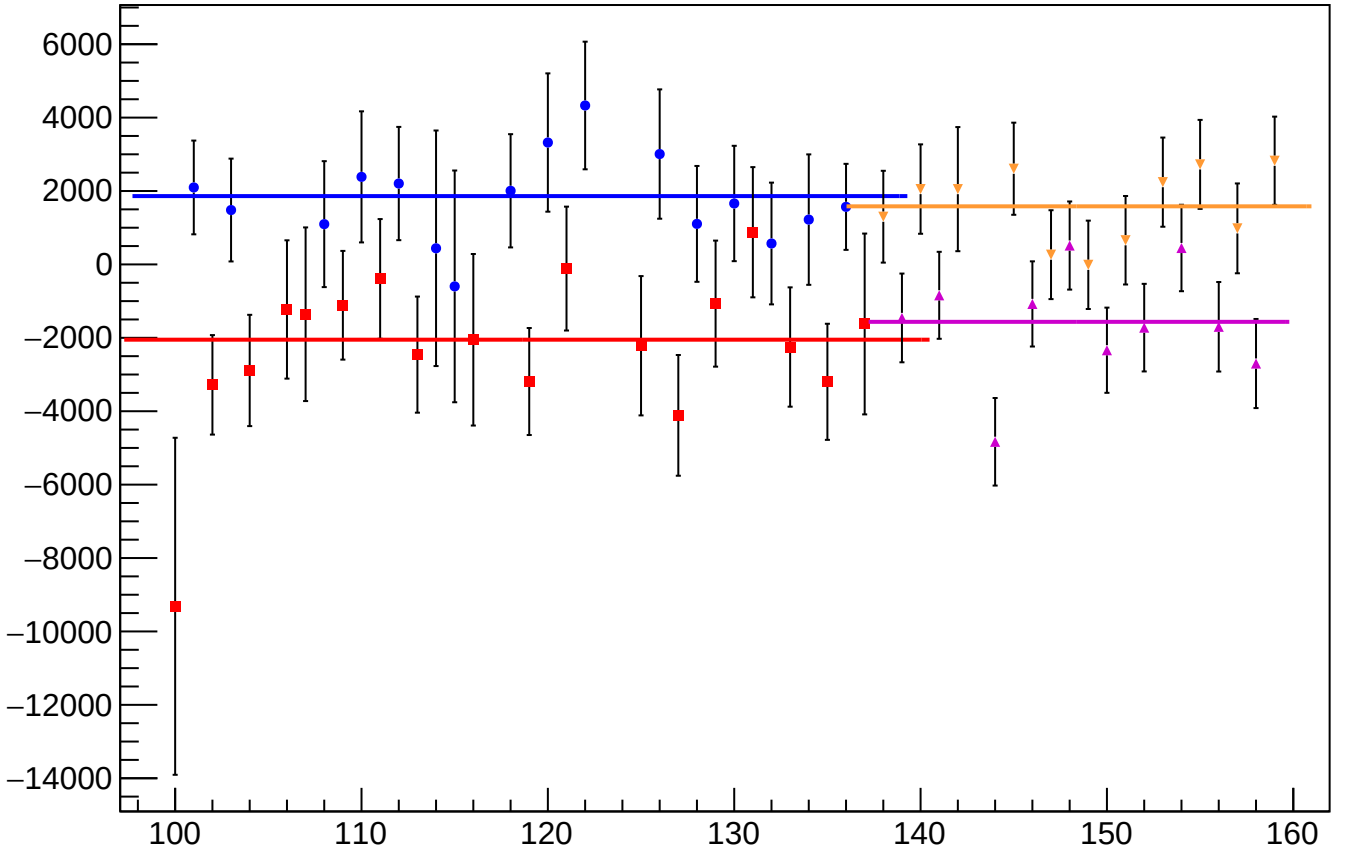
Left In: 26.797+/-0.007 χ^2/NDF:25948.4/9

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

All: 27.537+/-0.004 χ^2/NDF: 622534.4/54

- sign 27.375+/-0.005 χ^2/NDF: 230752.6/27

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

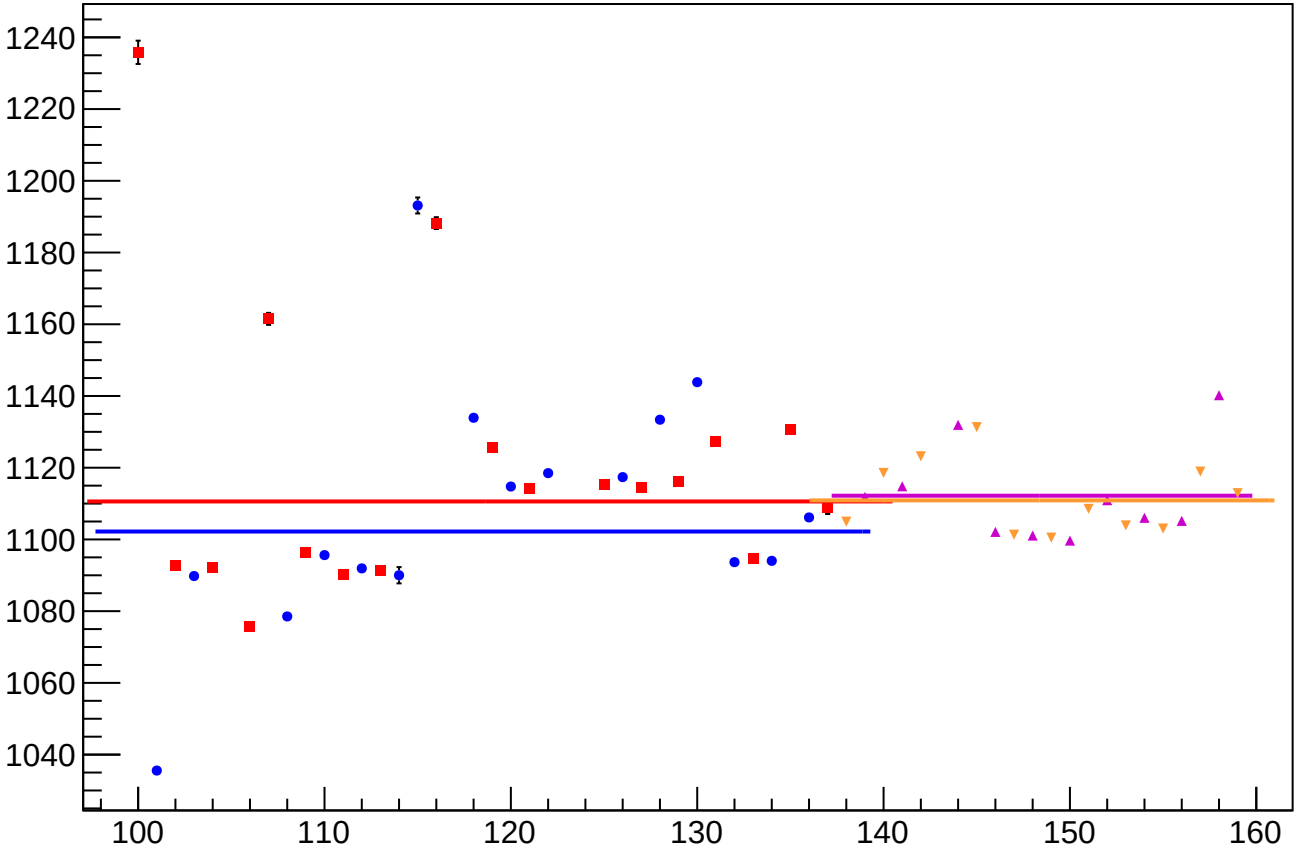
Left In: -1564.549+/-376.562 χ^2/NDF:15.3/9

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

All: -37.598+/-195.884 χ^2/NDF: 120.9/54

- sign -1787.502+/-277.106 χ^2/NDF: 28.6/27

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

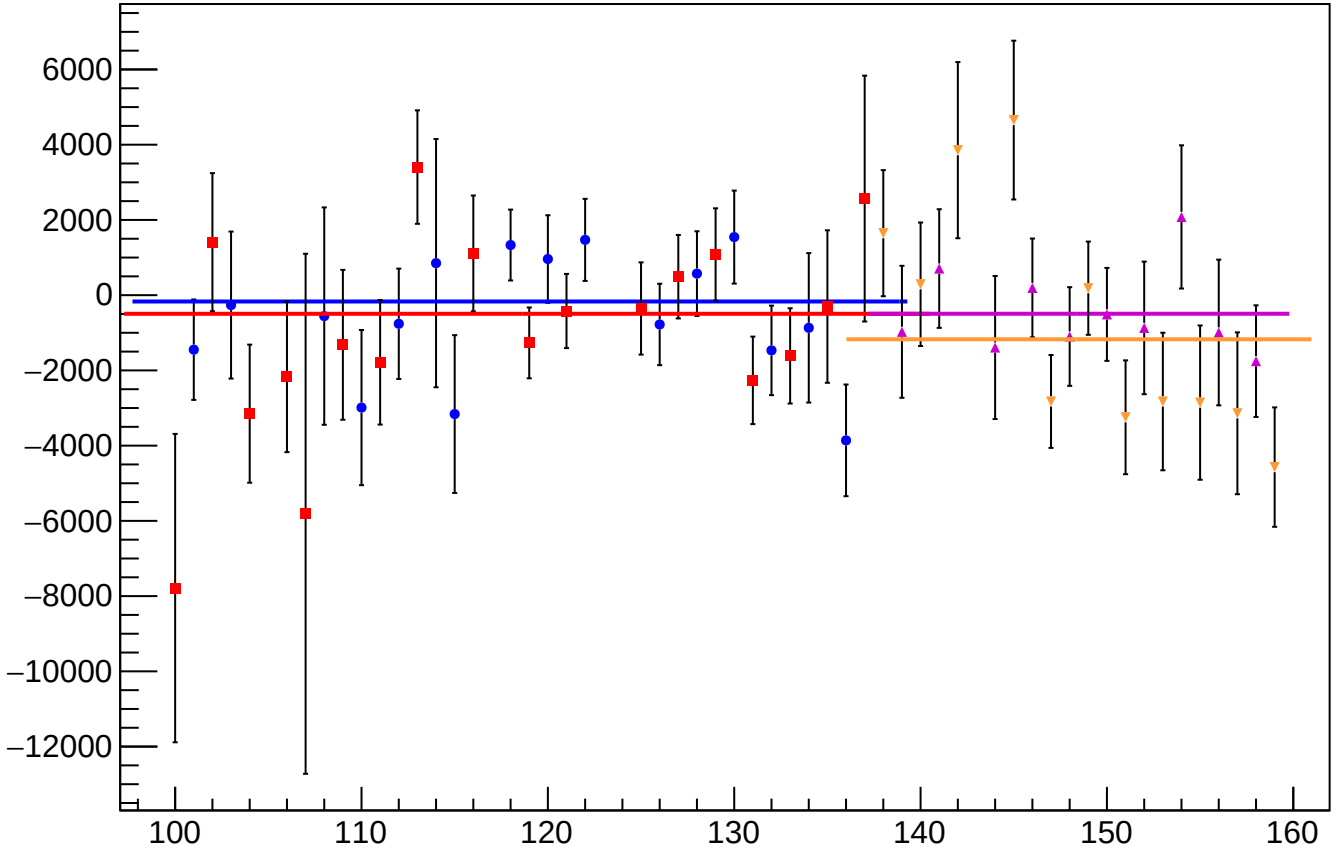
Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

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

All: 1109.187+/-0.139 χ^2/NDF: 23403.4/54

- sign 1111.461+/-0.196 χ^2/NDF: 10015.1/27

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

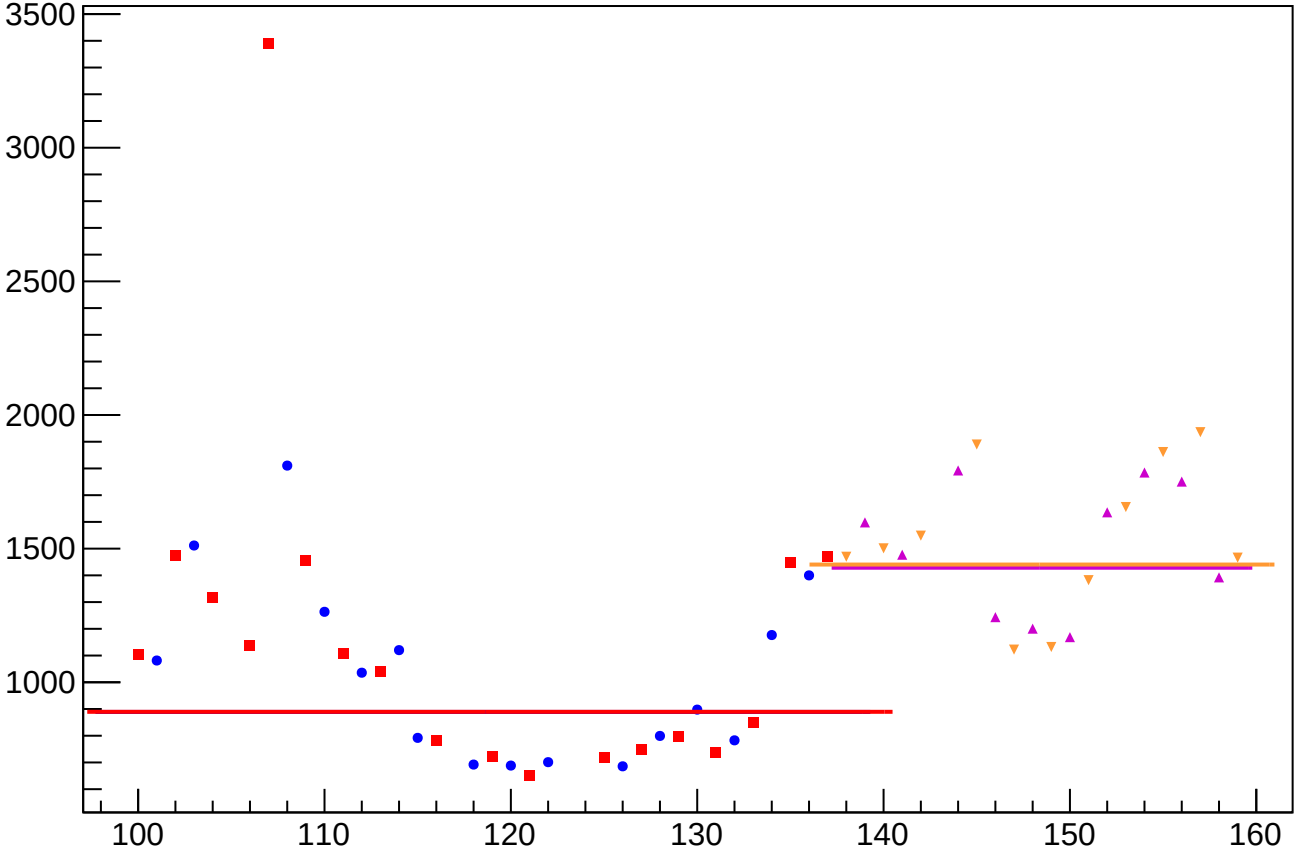
Left In: -494.149+/-491.530 χ^2/NDF:4.0/9

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

All: -494.530+/-200.216 χ^2/NDF: 78.7/54

- sign -494.834+/-282.414 χ^2/NDF: 27.3/27

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

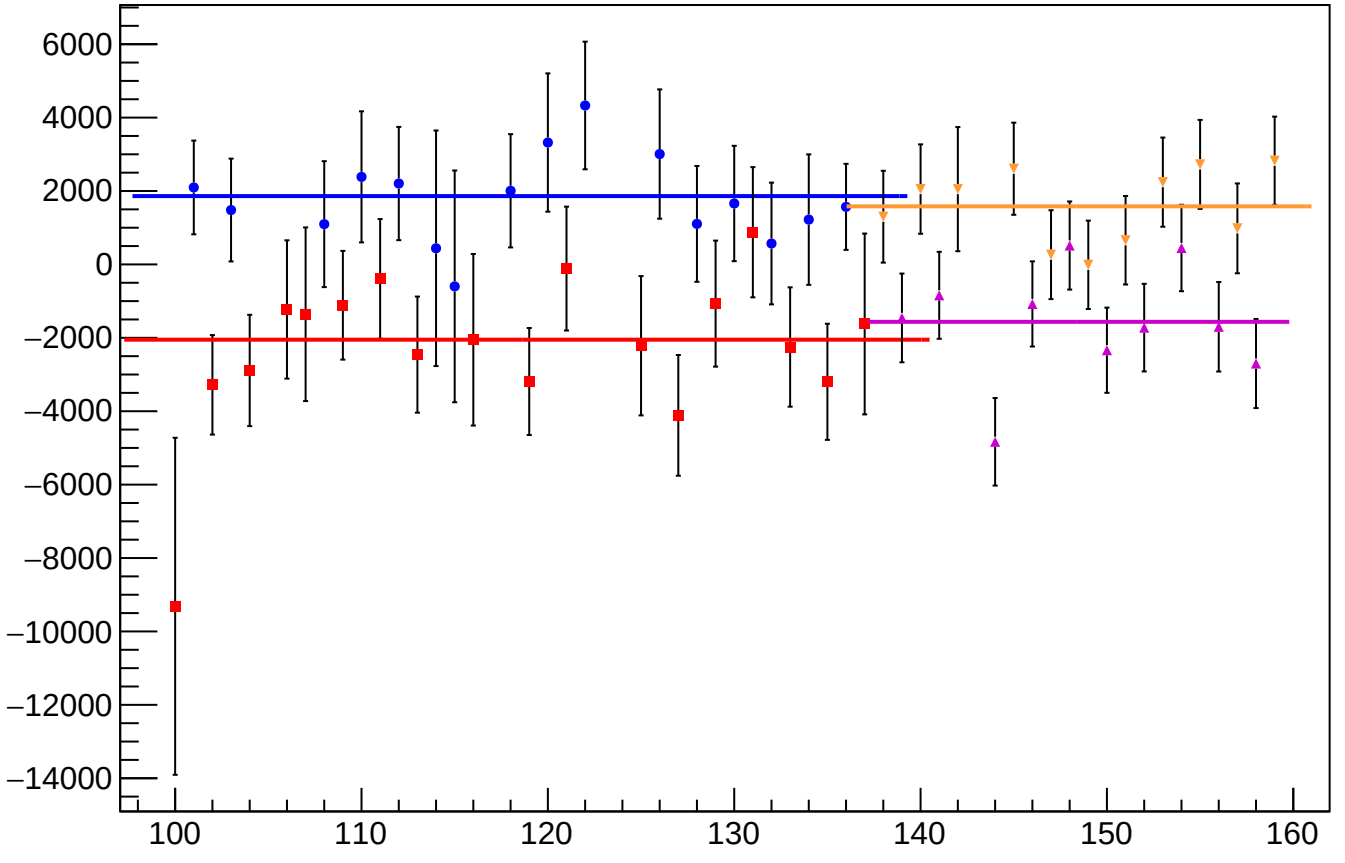
Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

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

All: 1067.715+/-0.142 χ^2/NDF: 6758034.5/54

- sign 1067.452+/-0.200 χ^2/NDF: 3394046.5/27

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

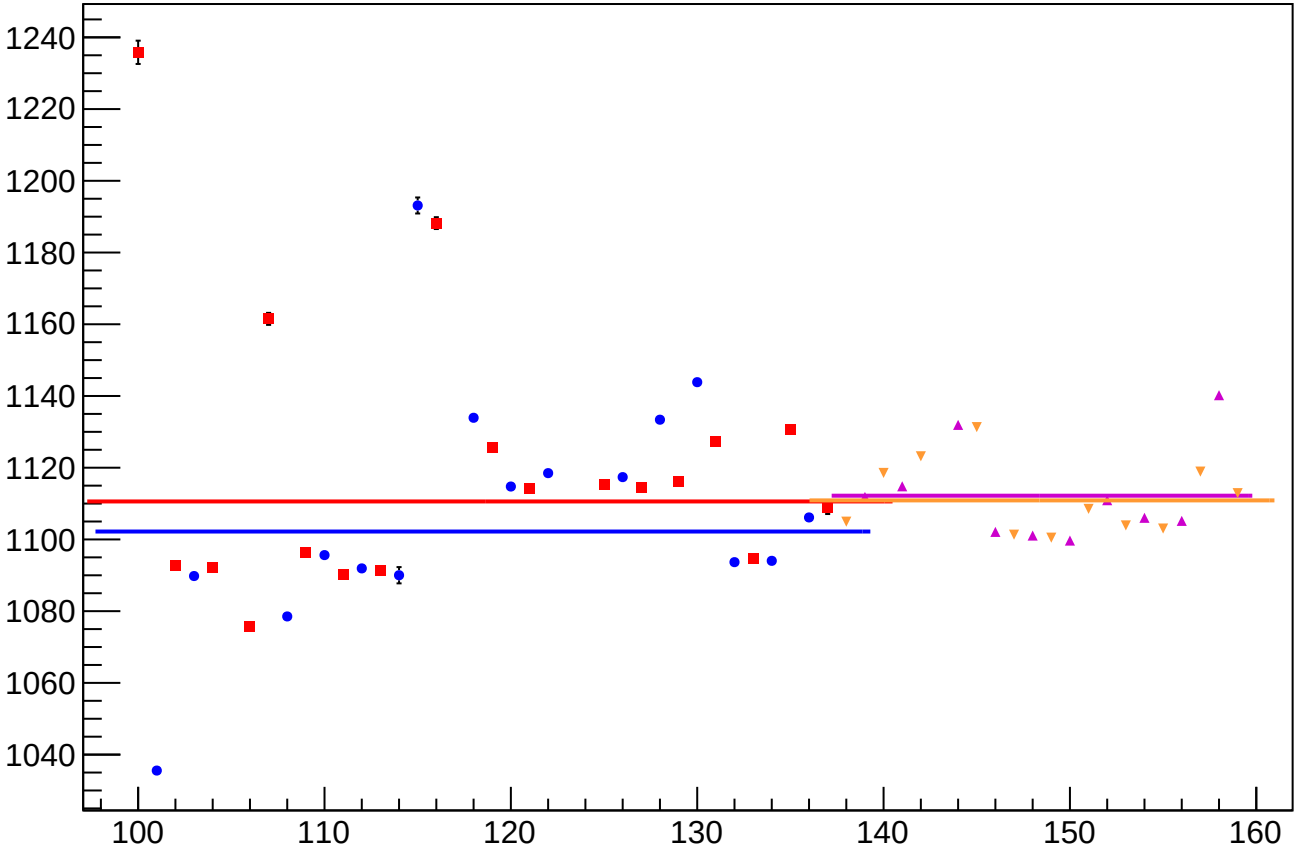
Left In: -1564.549+/-376.562 χ^2/NDF:15.3/9

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

All: -37.598+/-195.884 χ^2/NDF: 120.9/54

- sign -1787.502+/-277.106 χ^2/NDF: 28.6/27

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

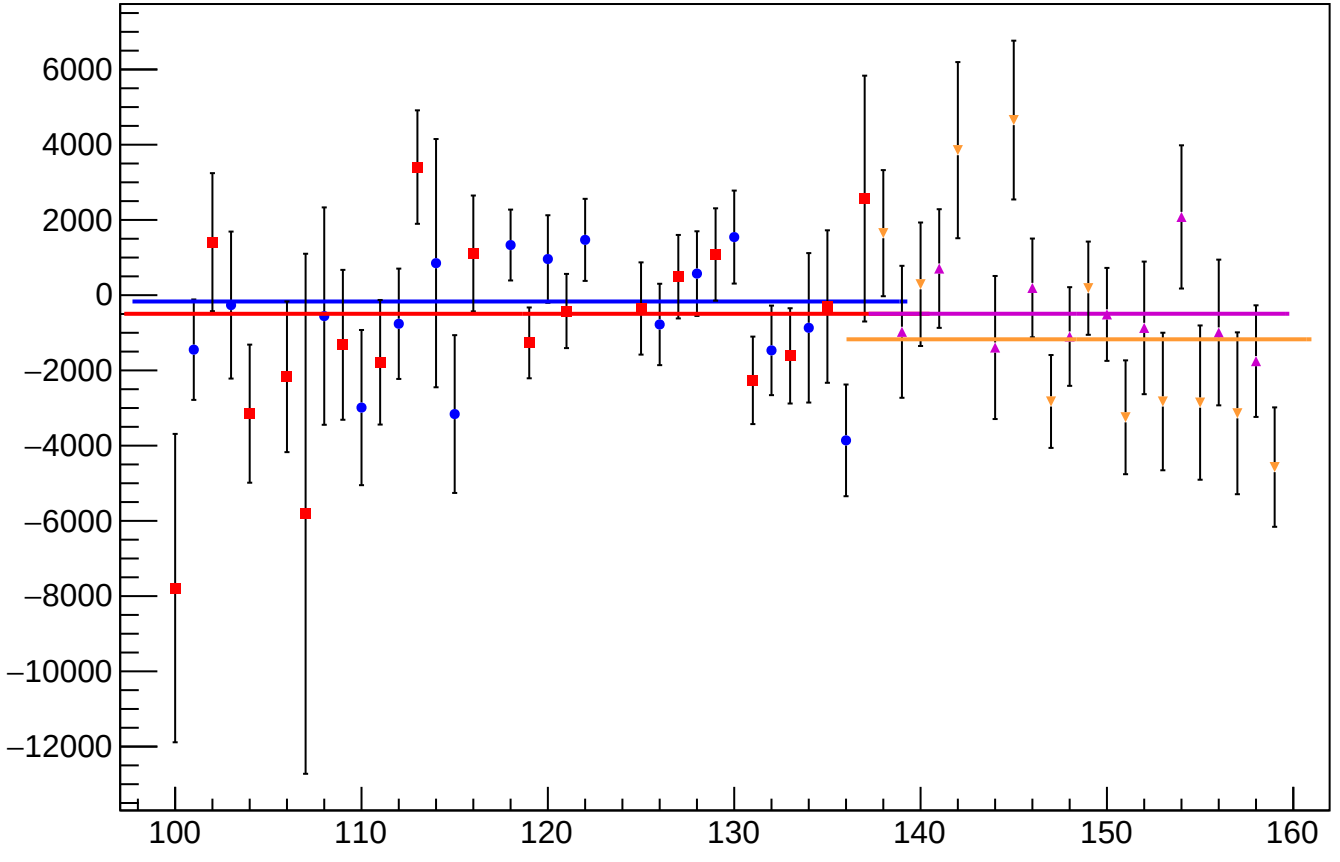
Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

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

All: 1109.187+/-0.139 χ^2/NDF: 23403.4/54

- sign 1111.461+/-0.196 χ^2/NDF: 10015.1/27

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

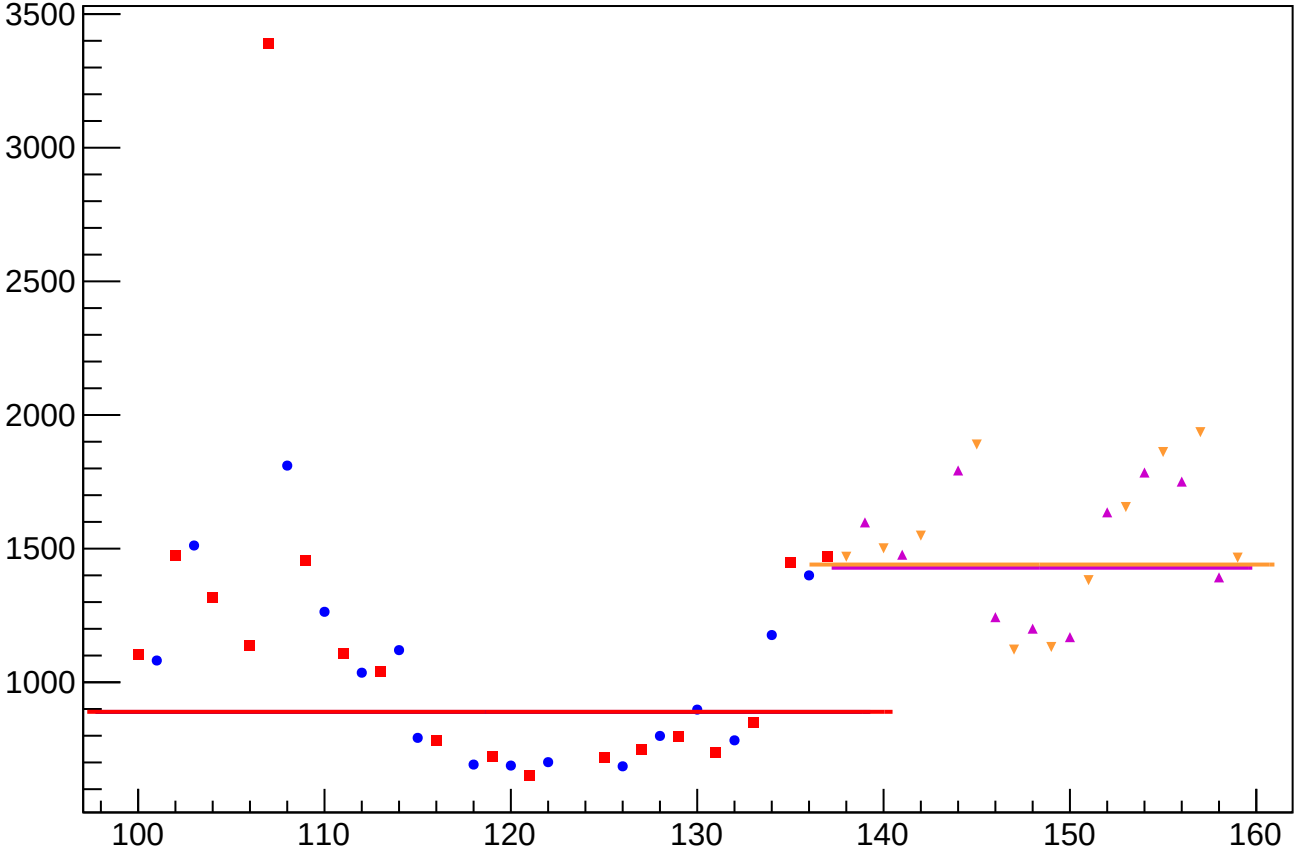
Left In: -494.149+/-491.530 χ^2/NDF:4.0/9

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

All: -494.530+/-200.216 χ^2/NDF: 78.7/54

- sign -494.834+/-282.414 χ^2/NDF: 27.3/27

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

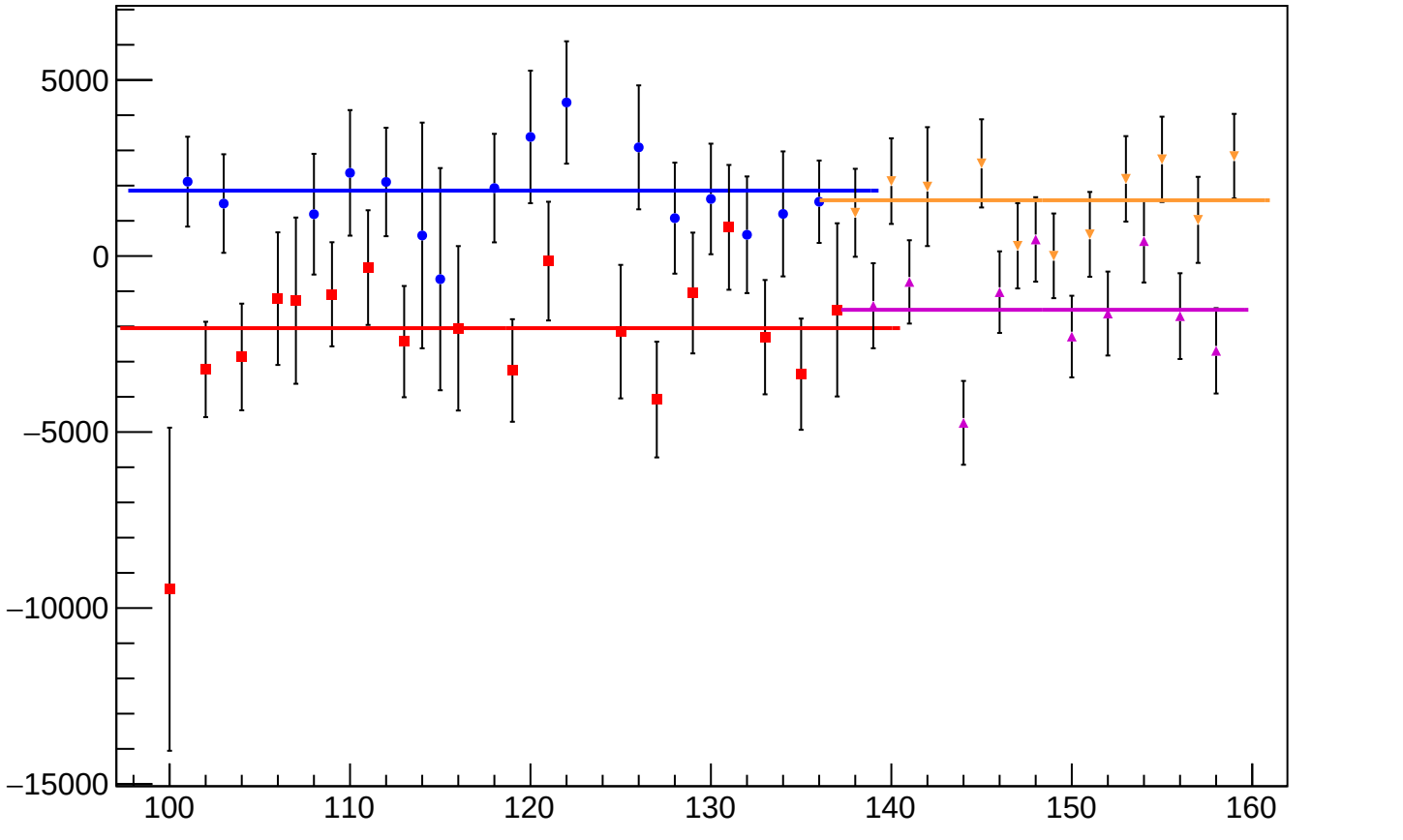
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

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

All: 1067.715+/-0.142 χ^2/NDF: 6758034.5/54

- sign 1067.452+/-0.200 χ^2/NDF: 3394046.5/27



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

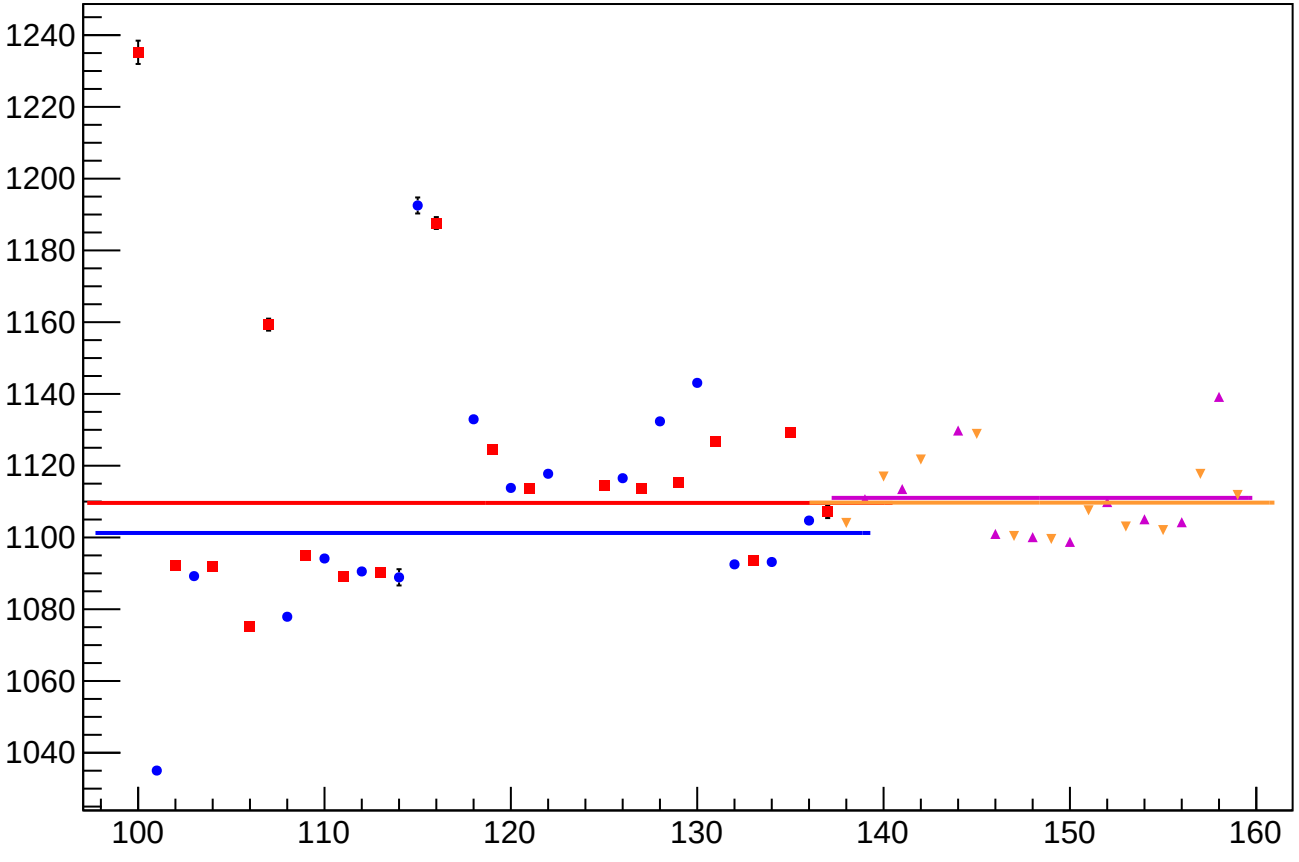
Left In: -1527.831+/-376.168 χ^2/NDF:14.8/9

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

All: -27.345+/-195.694 χ^2/NDF: 120.0/54

- sign -1766.579+/-276.838 χ^2/NDF: 28.5/27

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

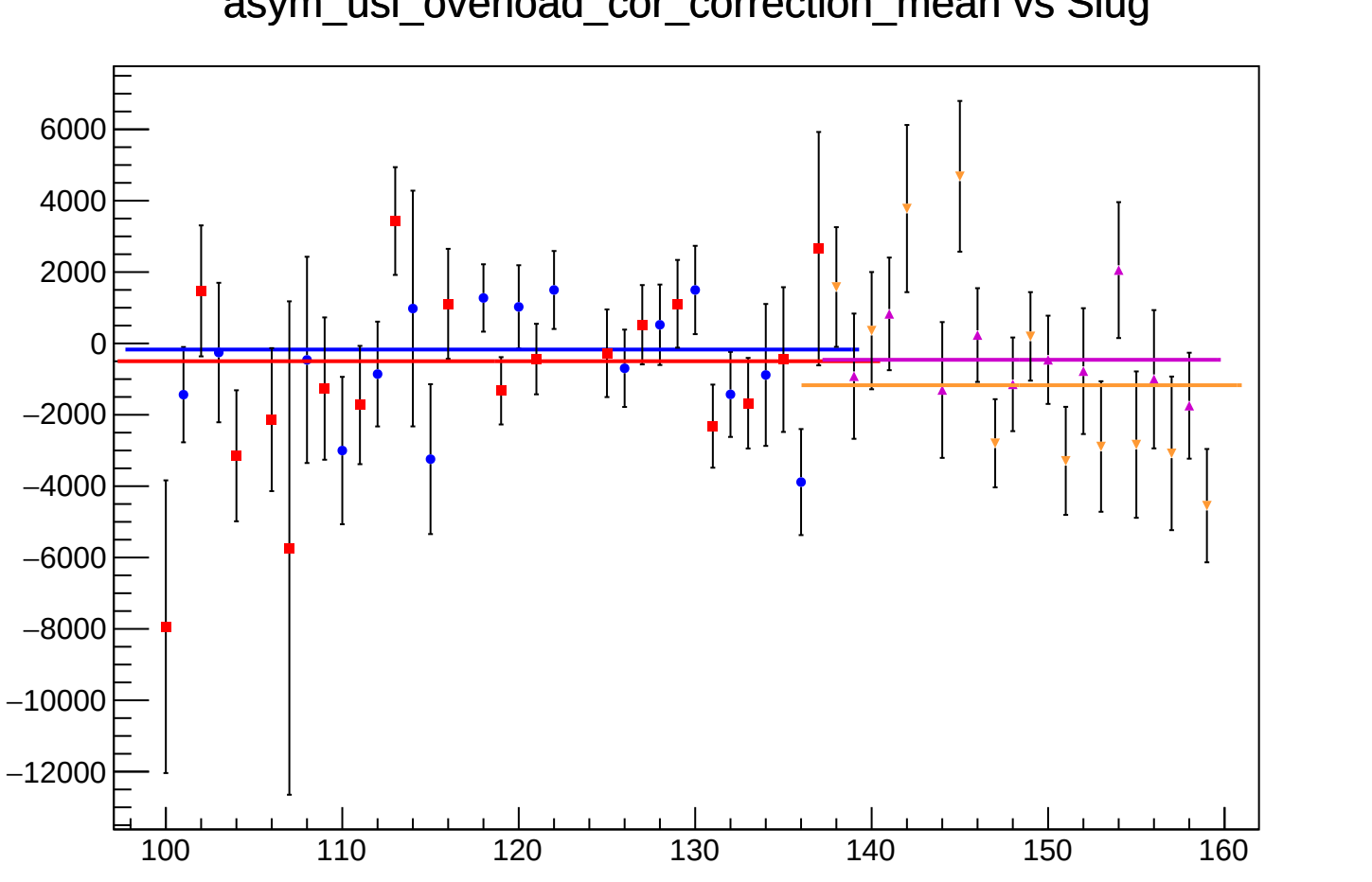
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1111.034+/-0.266 χ^2/NDF:2239.1/9

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

All: 1108.115+/-0.138 χ^2/NDF: 23146.6/54

- sign 1110.390+/-0.196 χ^2/NDF: 9925.0/27



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

Left Out: -1171.213+/-498.581 χ^2/NDF:27.5/10

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

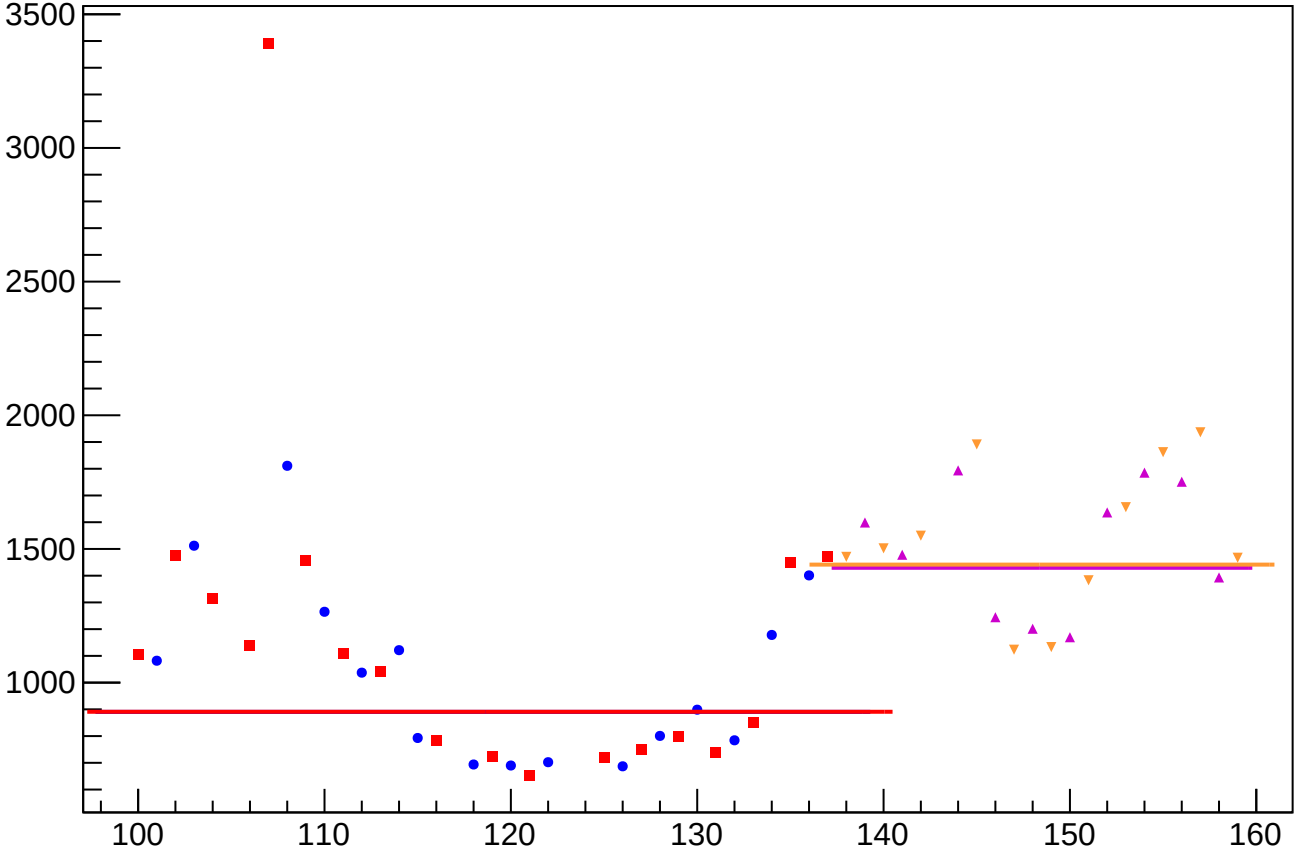
Left In: -458.750+/-491.840 χ^2/NDF:4.1/9

+ sign -496.048+/-284.246 χ^2/NDF: 51.1/26

All: -490.495+/-200.462 χ^2/NDF: 79.1/54

- sign -484.999+/-282.753 χ^2/NDF: 28.0/27

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

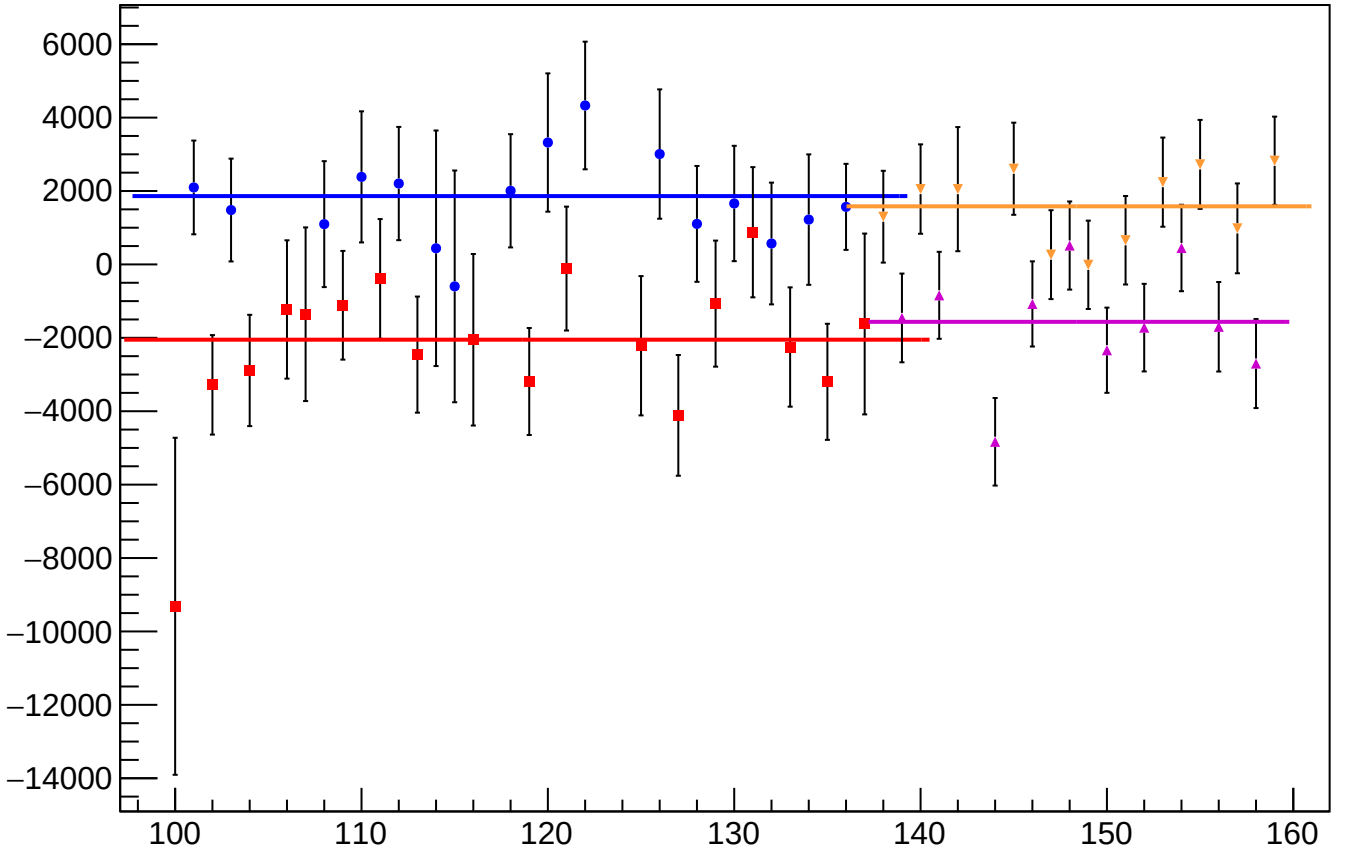
Left In: 1429.531+/-0.348 χ^2/NDF:435920.4/9

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

All: 1069.244+/-0.142 χ^2/NDF: 6735928.9/54

- sign 1068.941+/-0.200 χ^2/NDF: 3383397.6/27

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

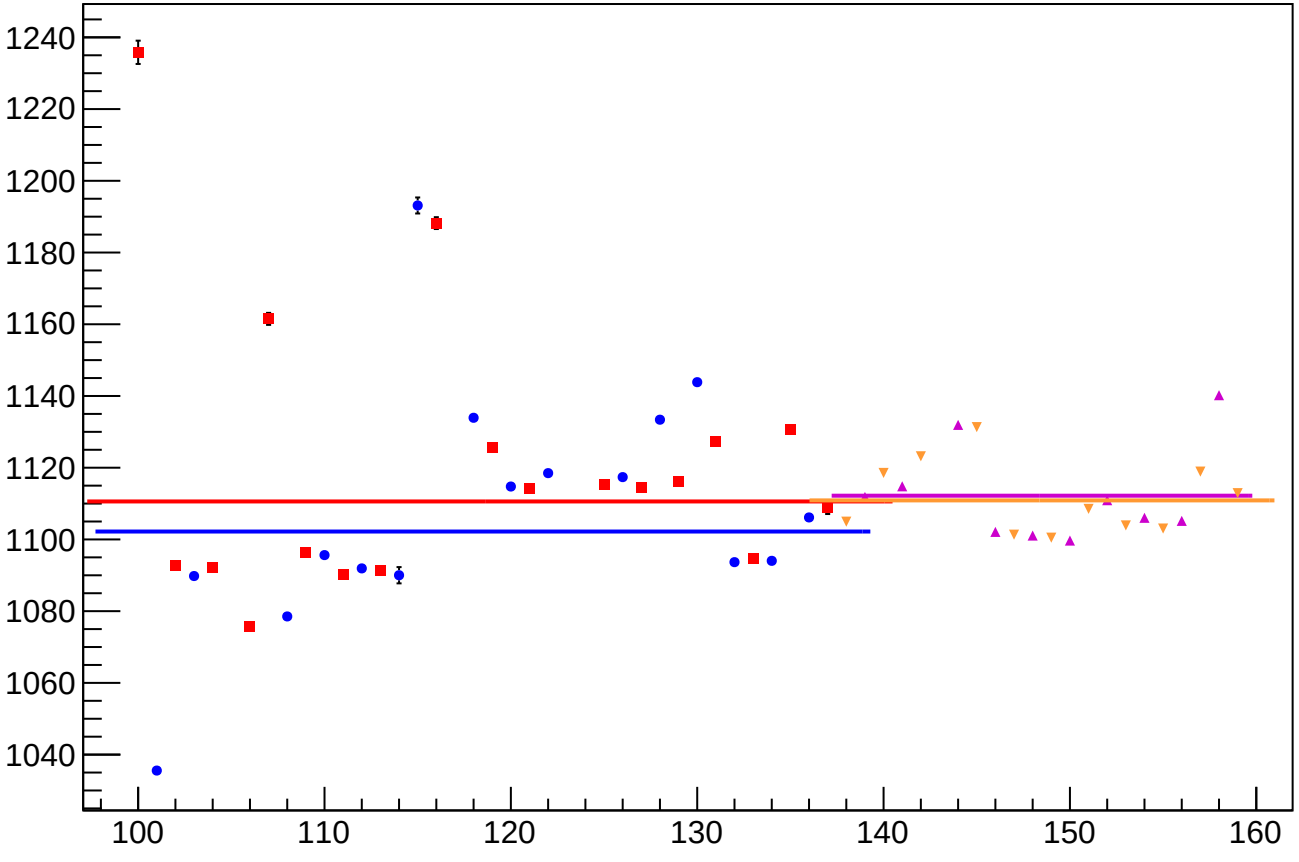
Left In: -1564.549+/-376.562 χ^2/NDF:15.3/9

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

All: -37.598+/-195.884 χ^2/NDF: 120.9/54

- sign -1787.502+/-277.106 χ^2/NDF: 28.6/27

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

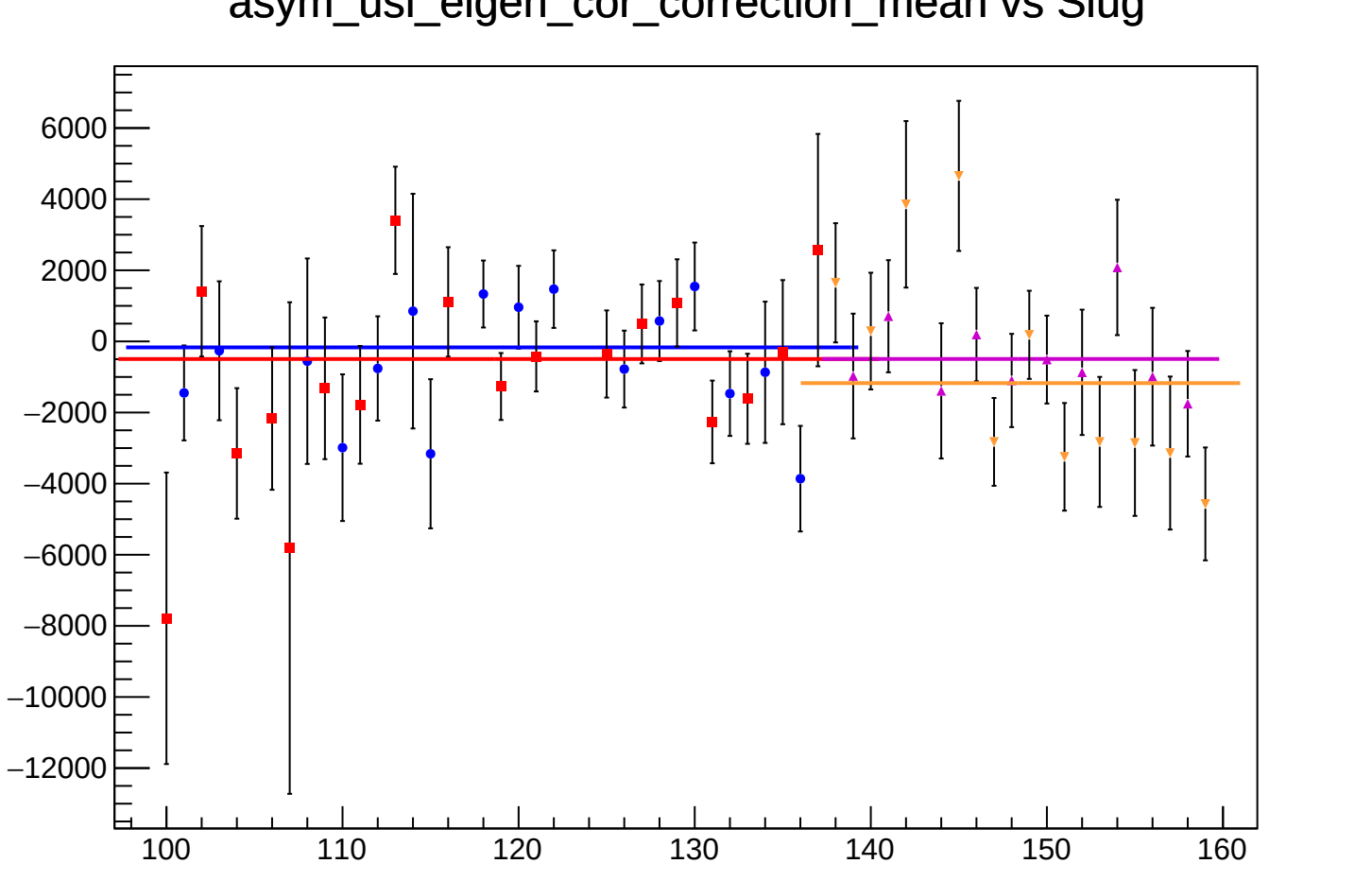
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1112.197+/-0.266 χ^2/NDF:2302.4/9

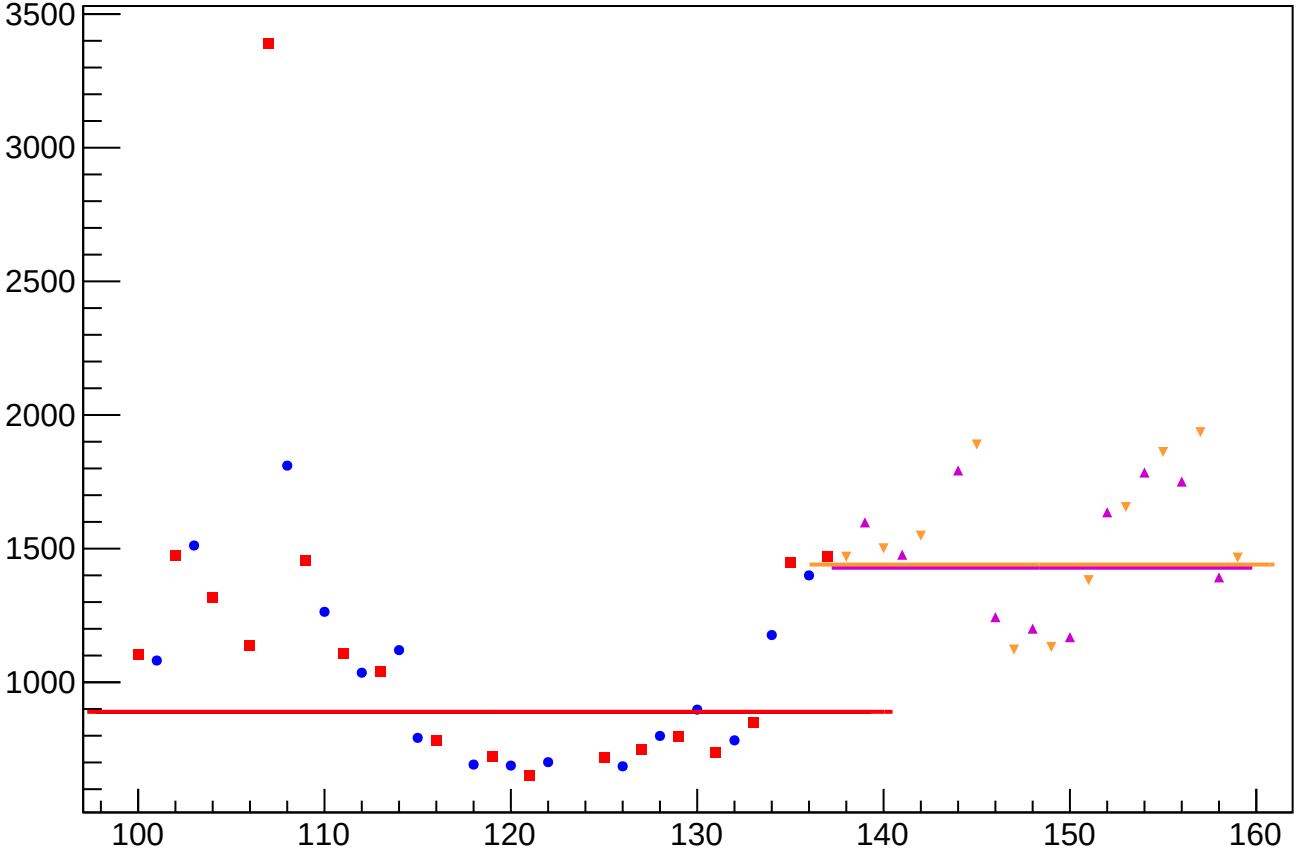
+ sign 1106.916+/-0.196 χ^2/NDF: 13119.2/26

All: 1109.187+/-0.139 χ^2/NDF: 23403.4/54

- sign 1111.461+/-0.196 χ^2/NDF: 10015.1/27


asym_usl_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -1173.175+/-498.269 χ²/NDF:27.6/10
Right Out: -495.172+/-345.054 χ²/NDF: 23.3/17
Left In: -494.149+/-491.530 χ²/NDF:4.0/9
+ sign -494.223+/-283.889 χ²/NDF: 51.4/26
All: -494.530+/-200.216 χ²/NDF: 78.7/54
- sign -494.834+/-282.414 χ²/NDF: 27.3/27

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

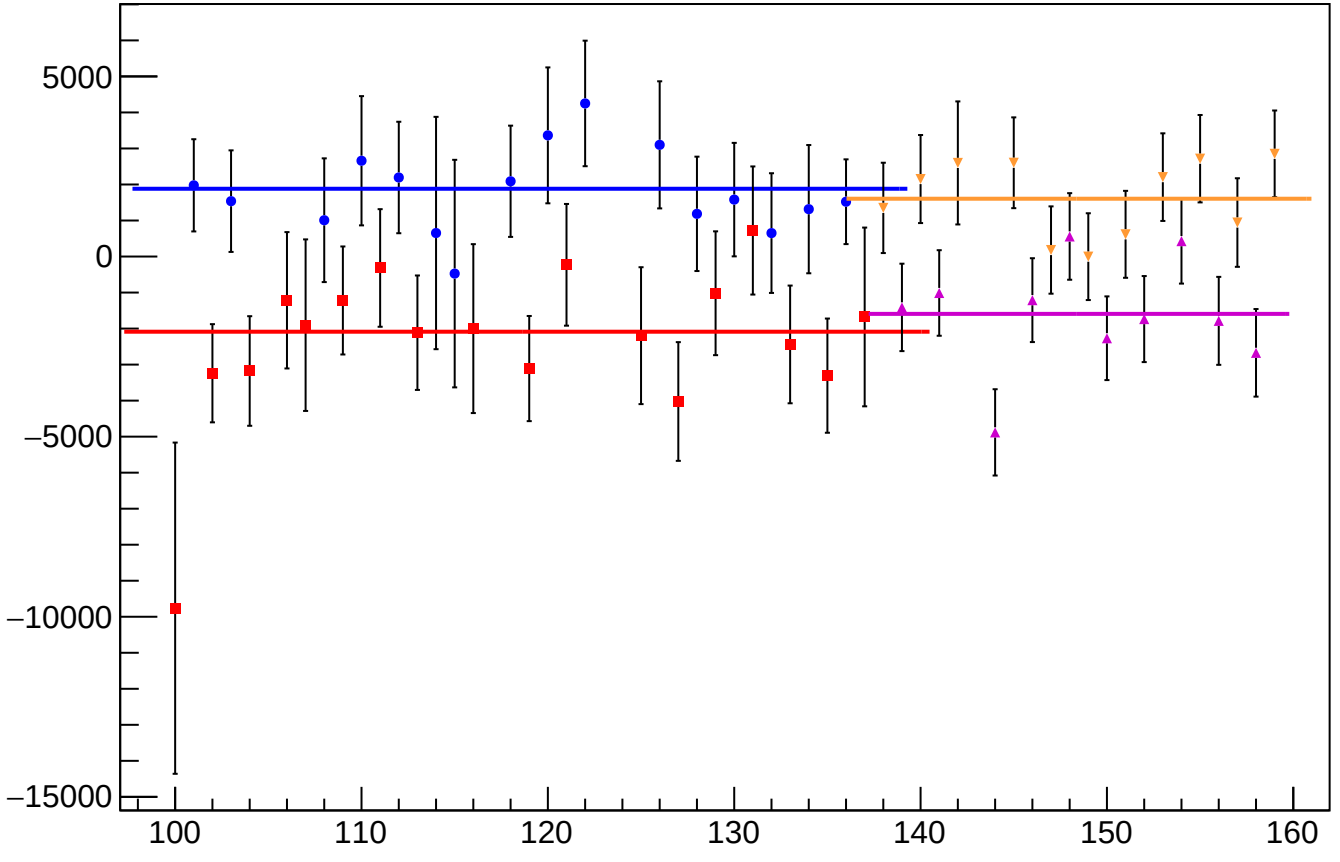
Left In: 1428.598+/-0.348 χ^2/NDF:436545.1/9

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

All: 1067.715+/-0.142 χ^2/NDF: 6758034.5/54

- sign 1067.452+/-0.200 χ^2/NDF: 3394046.5/27

dit_asym_usl_mean vs Slug



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

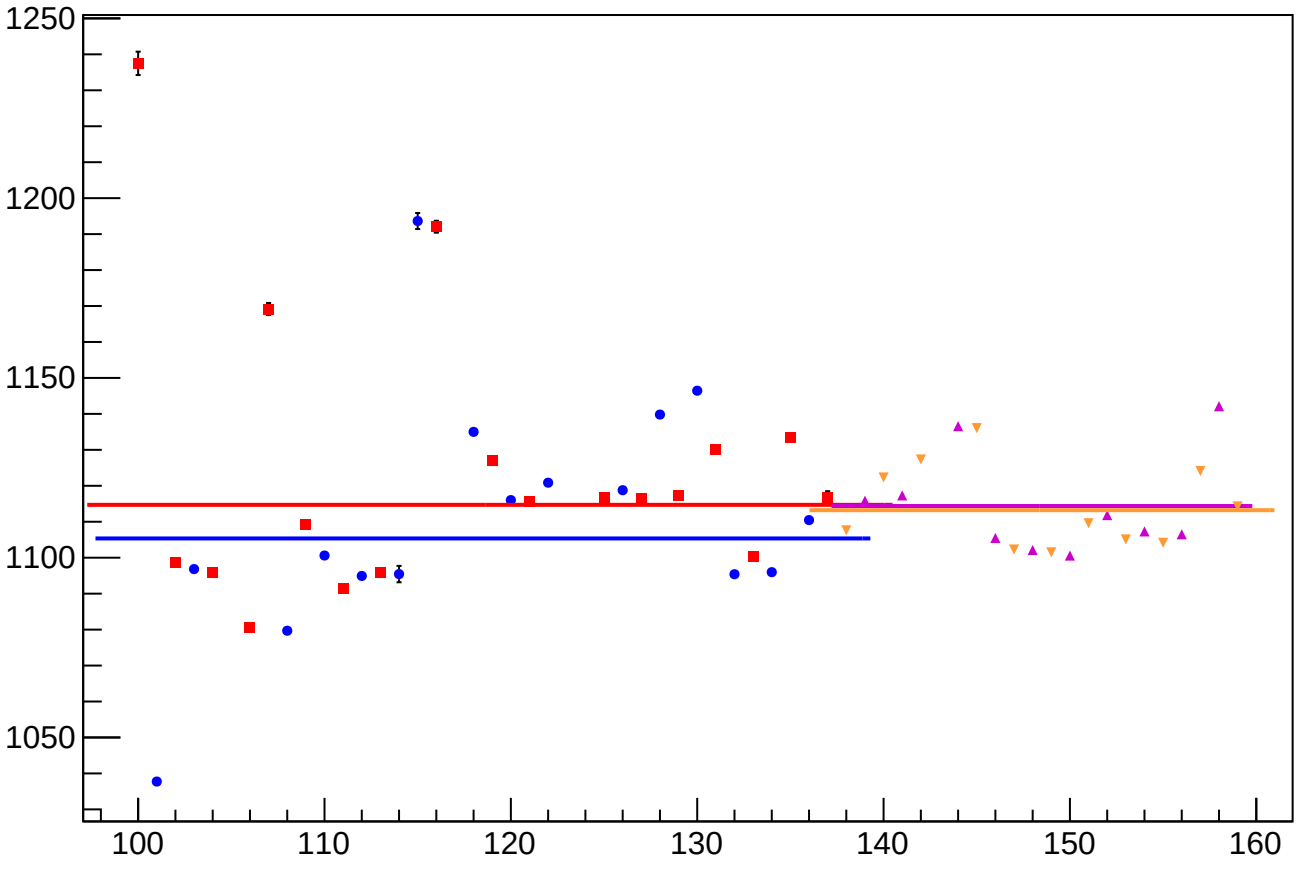
Left In: -1591.945+/-377.313 χ^2/NDF:15.2/9

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

All: -42.187+/-196.415 χ^2/NDF: 123.0/54

- sign -1818.432+/-277.881 χ^2/NDF: 28.4/27

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

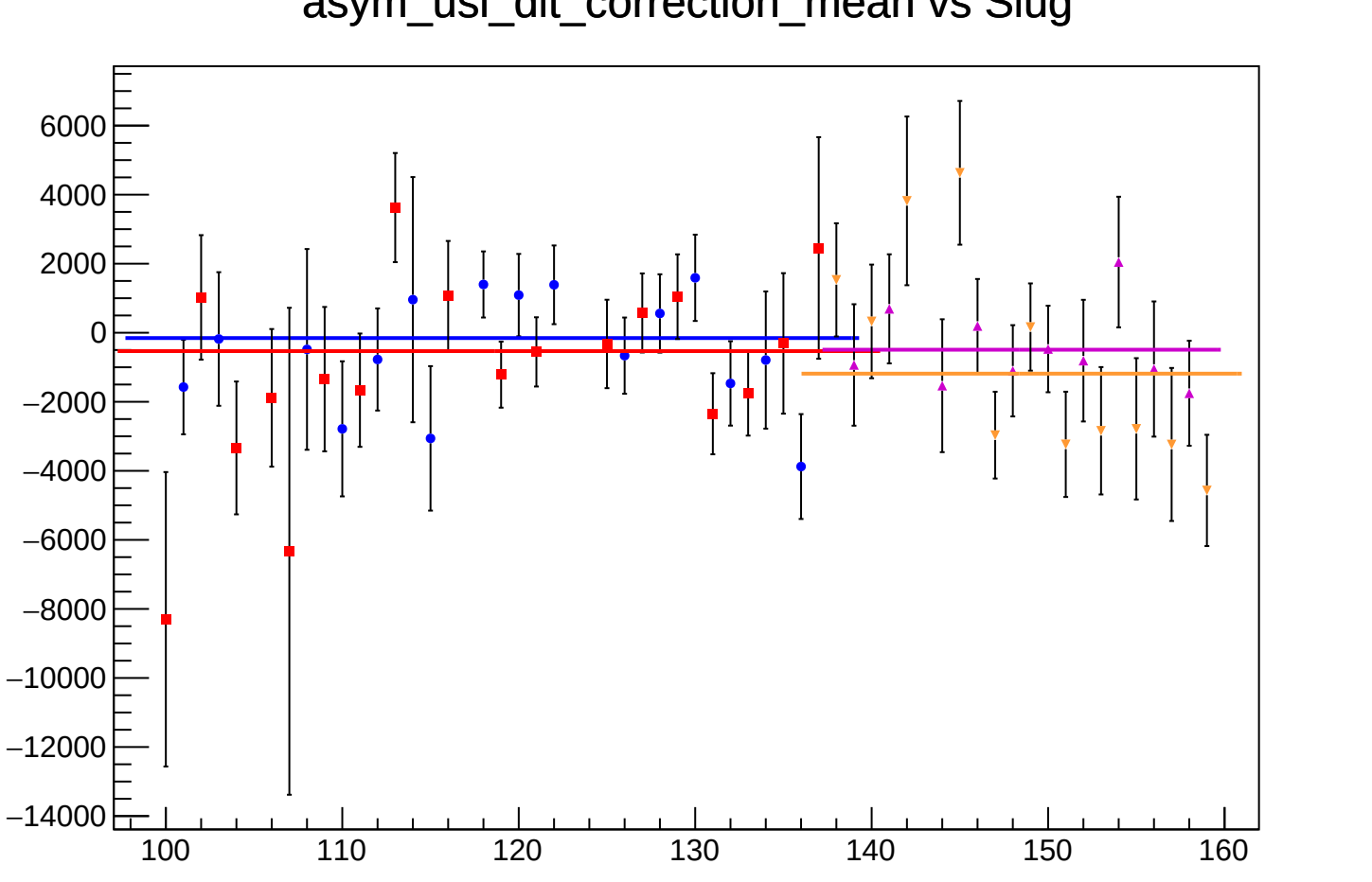
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1114.377+/-0.267 χ^2/NDF:2514.4/9

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

All: 1112.072+/-0.139 χ^2/NDF: 23559.6/54

- sign 1114.527+/-0.196 χ^2/NDF: 9845.3/27



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

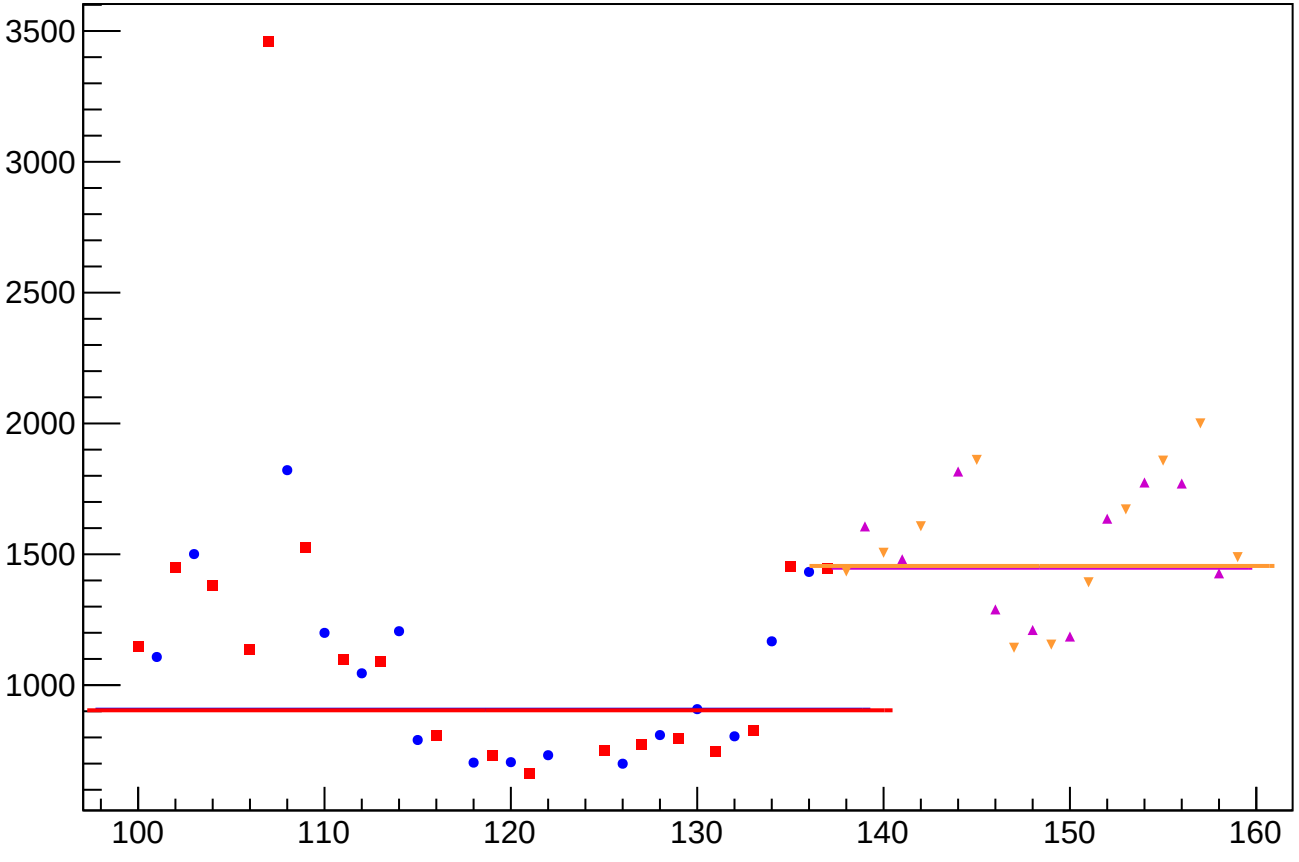
Left In: -492.004+/-497.737 χ^2/NDF:4.0/9

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

All: -505.502+/-203.141 χ^2/NDF: 77.7/54

- sign -518.850+/-286.525 χ^2/NDF: 27.2/27

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

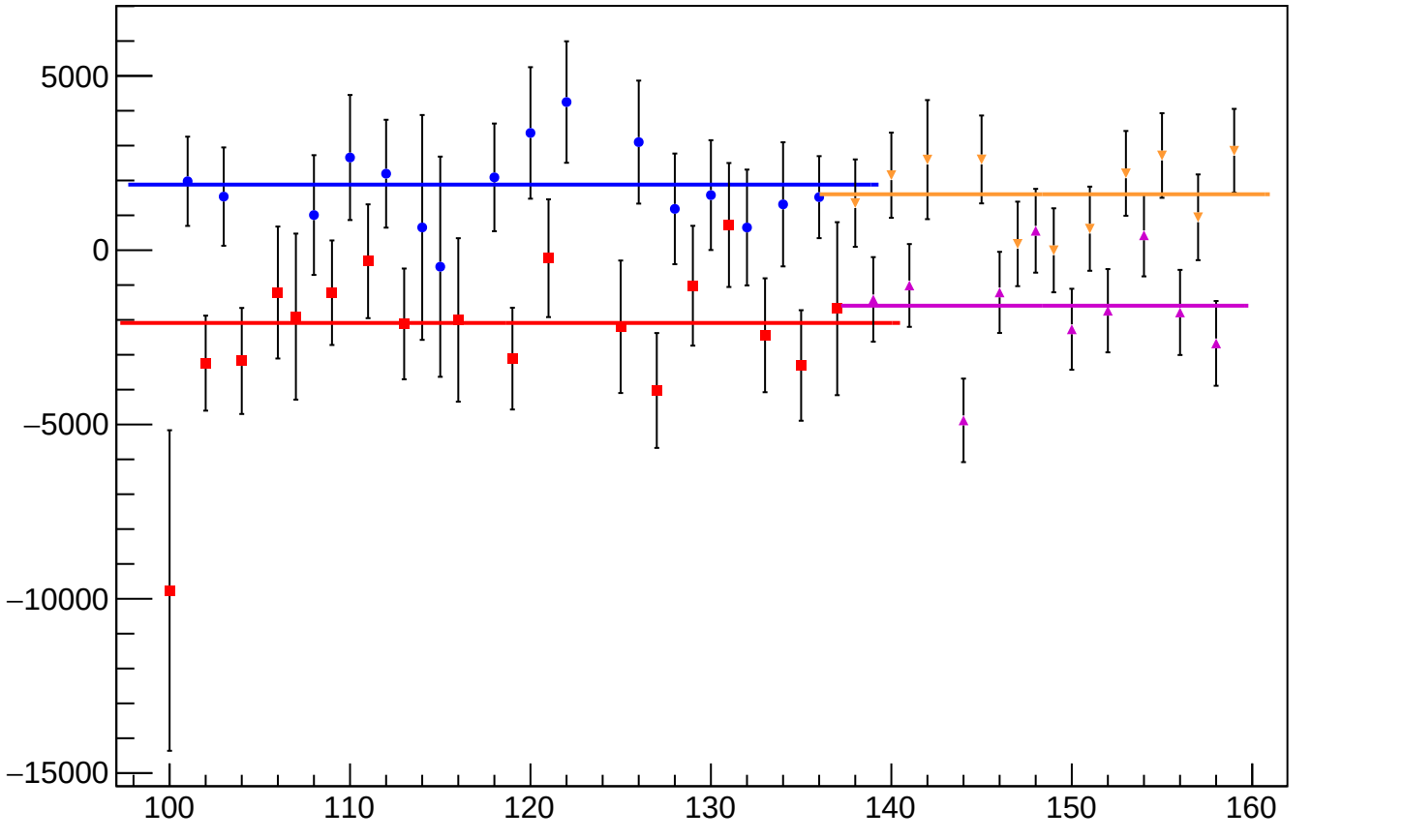
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1448.649+/-0.352 χ^2/NDF:406573.1/9

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

All: 1085.207+/-0.144 χ^2/NDF: 6584399.8/54

- sign 1084.320+/-0.203 χ^2/NDF: 3349194.6/27



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

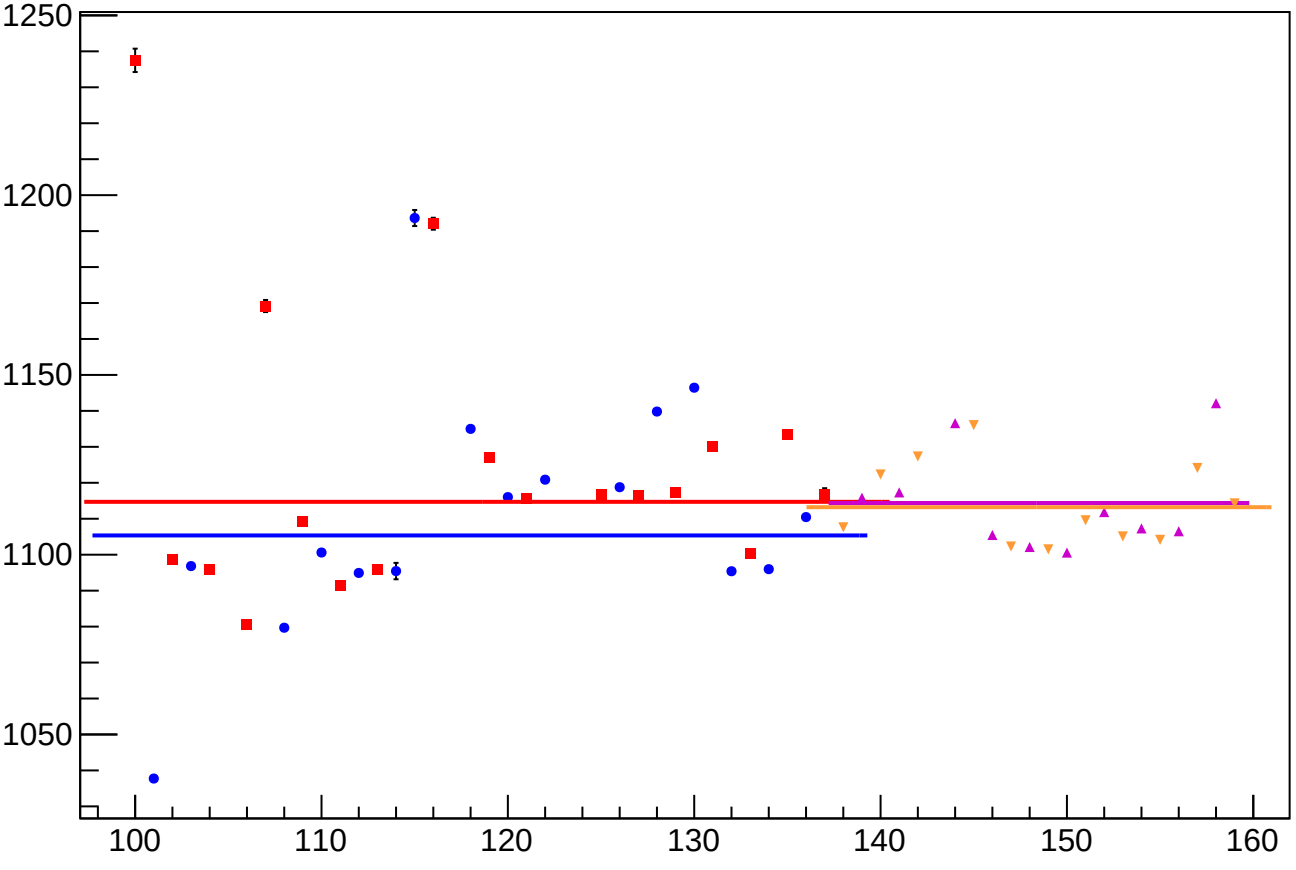
Left In: -1591.947+/-377.313 χ^2/NDF:15.2/9

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

All: -42.188+/-196.415 χ^2/NDF: 123.0/54

- sign -1818.432+/-277.881 χ^2/NDF: 28.4/27

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

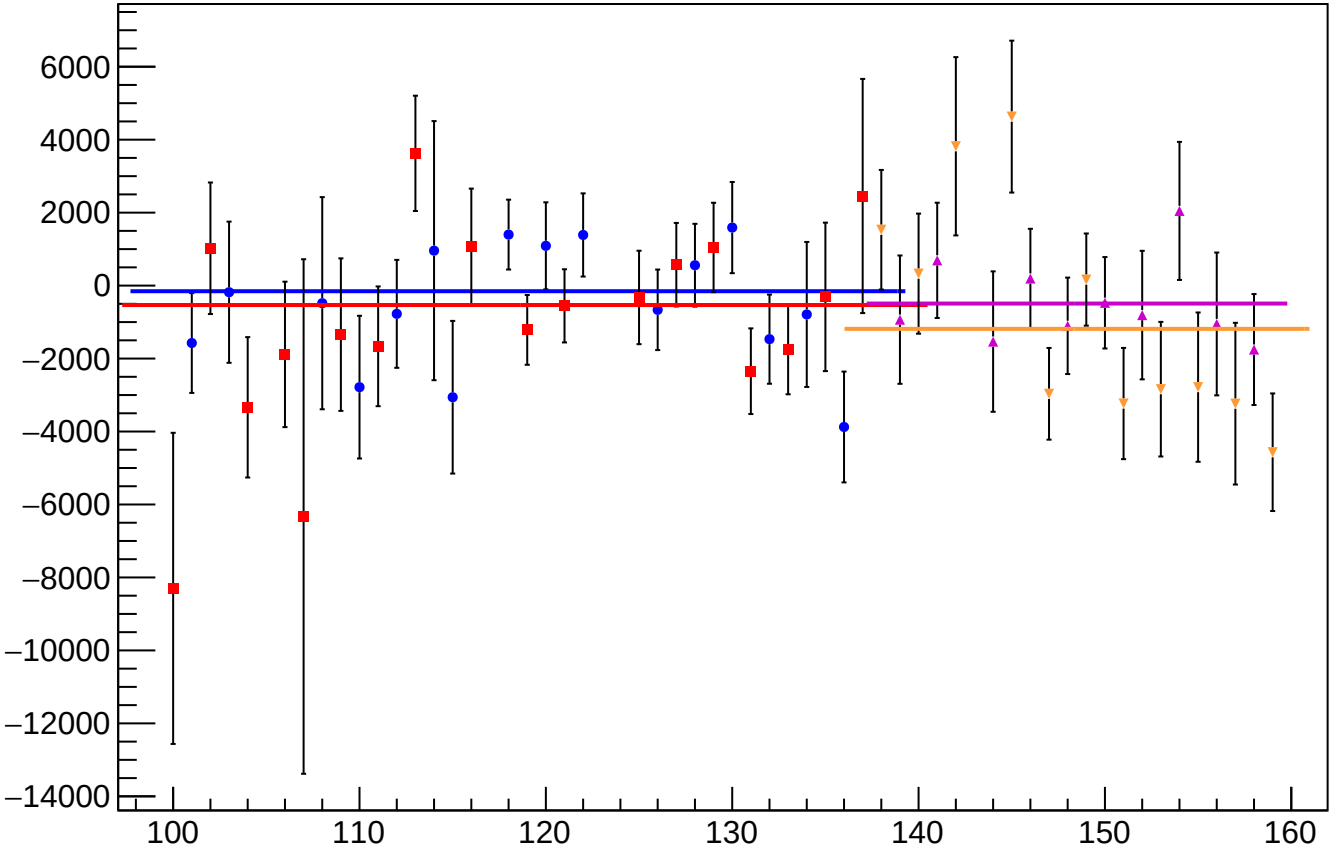
Left In: 1114.377+/-0.267 χ^2/NDF:2514.4/9

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

All: 1112.072+/-0.139 χ^2/NDF: 23559.6/54

- sign 1114.527+/-0.196 χ^2/NDF: 9845.3/27

asym_usl_eigen_dit_correction_mean vs Slug



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

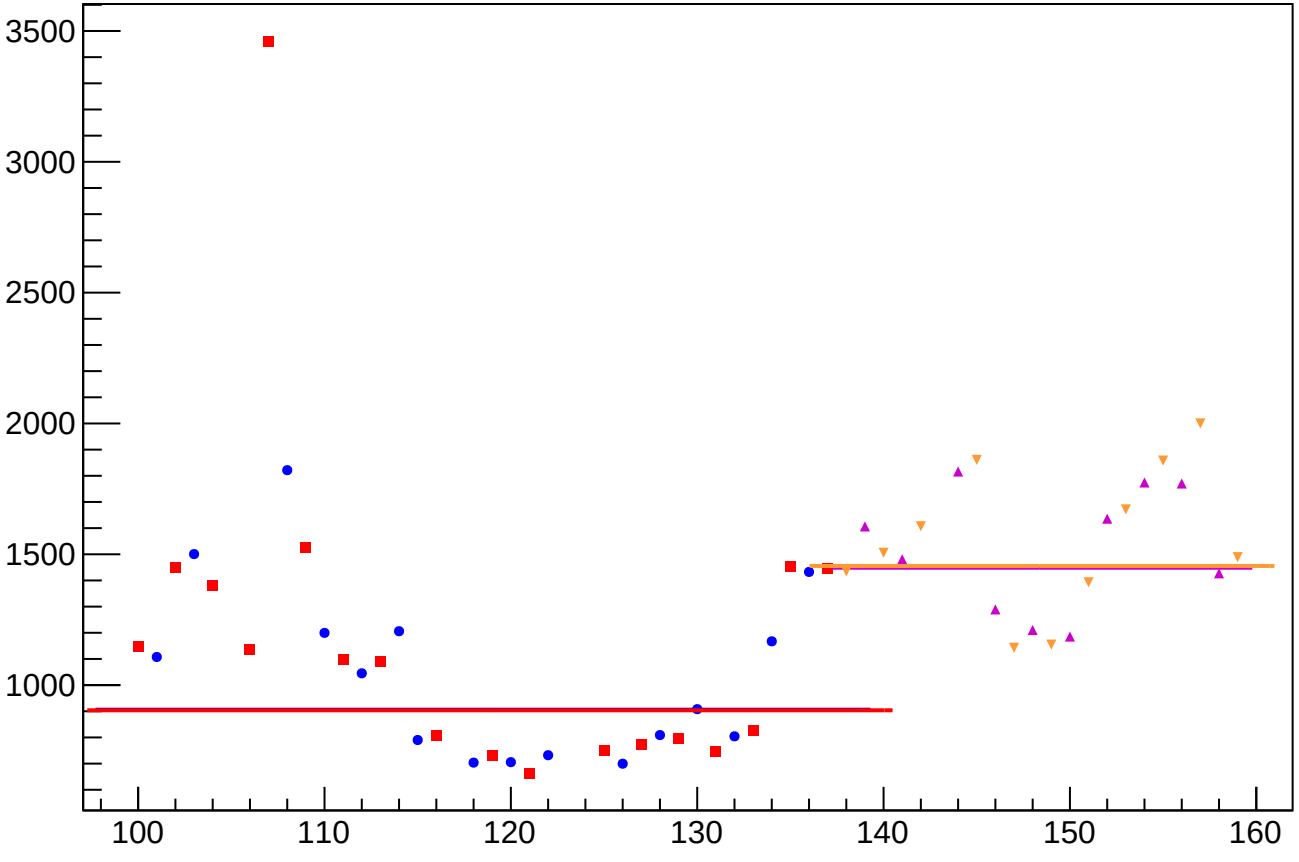
Left In: -492.006+/-497.738 χ^2/NDF:4.0/9

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

All: -505.502+/-203.140 χ^2/NDF: 77.7/54

- sign -518.850+/-286.525 χ^2/NDF: 27.2/27

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

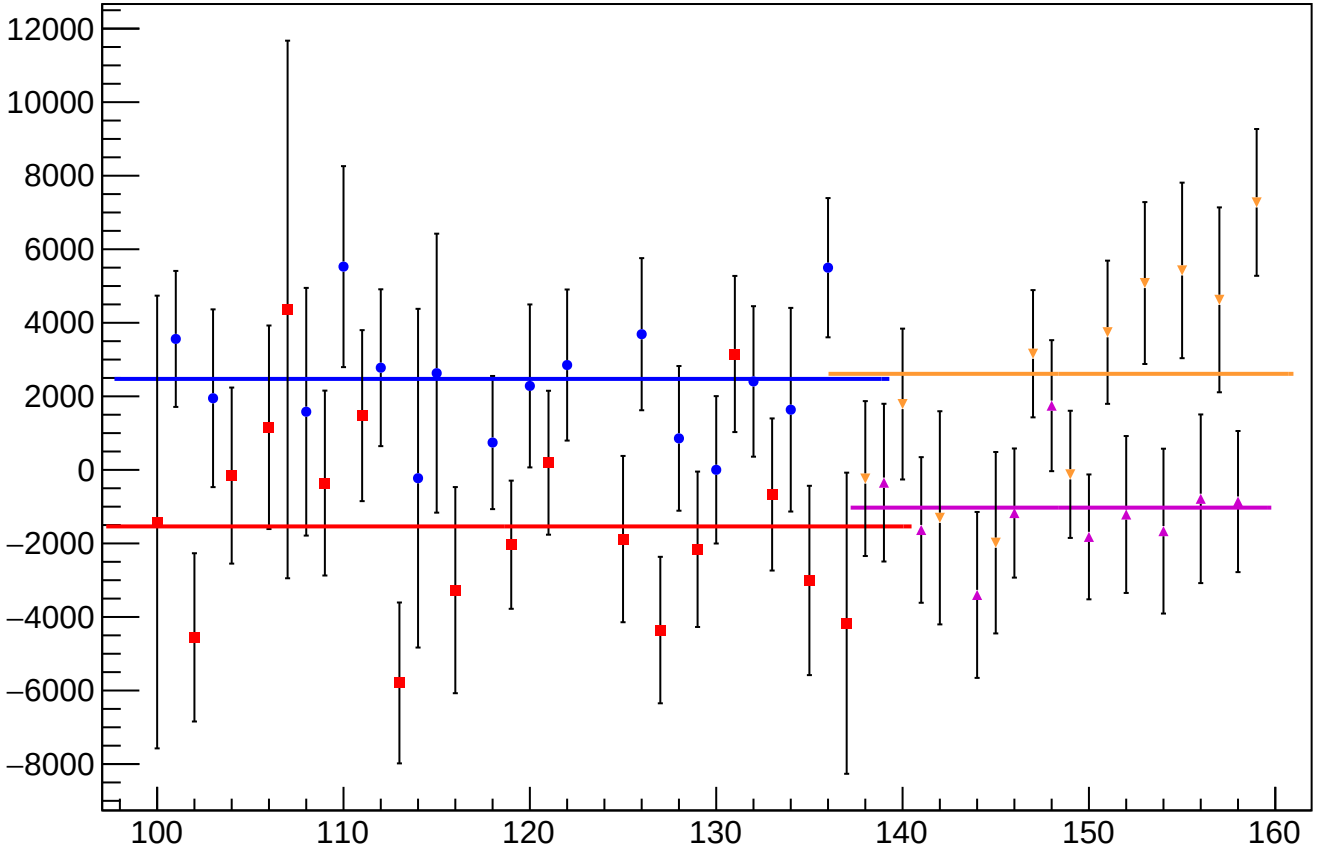
Left In: 1448.651+/-0.352 χ^2/NDF:406570.2/9

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

All: 1085.206+/-0.144 χ^2/NDF: 6584449.8/54

- sign 1084.319+/-0.203 χ^2/NDF: 3349218.8/27

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

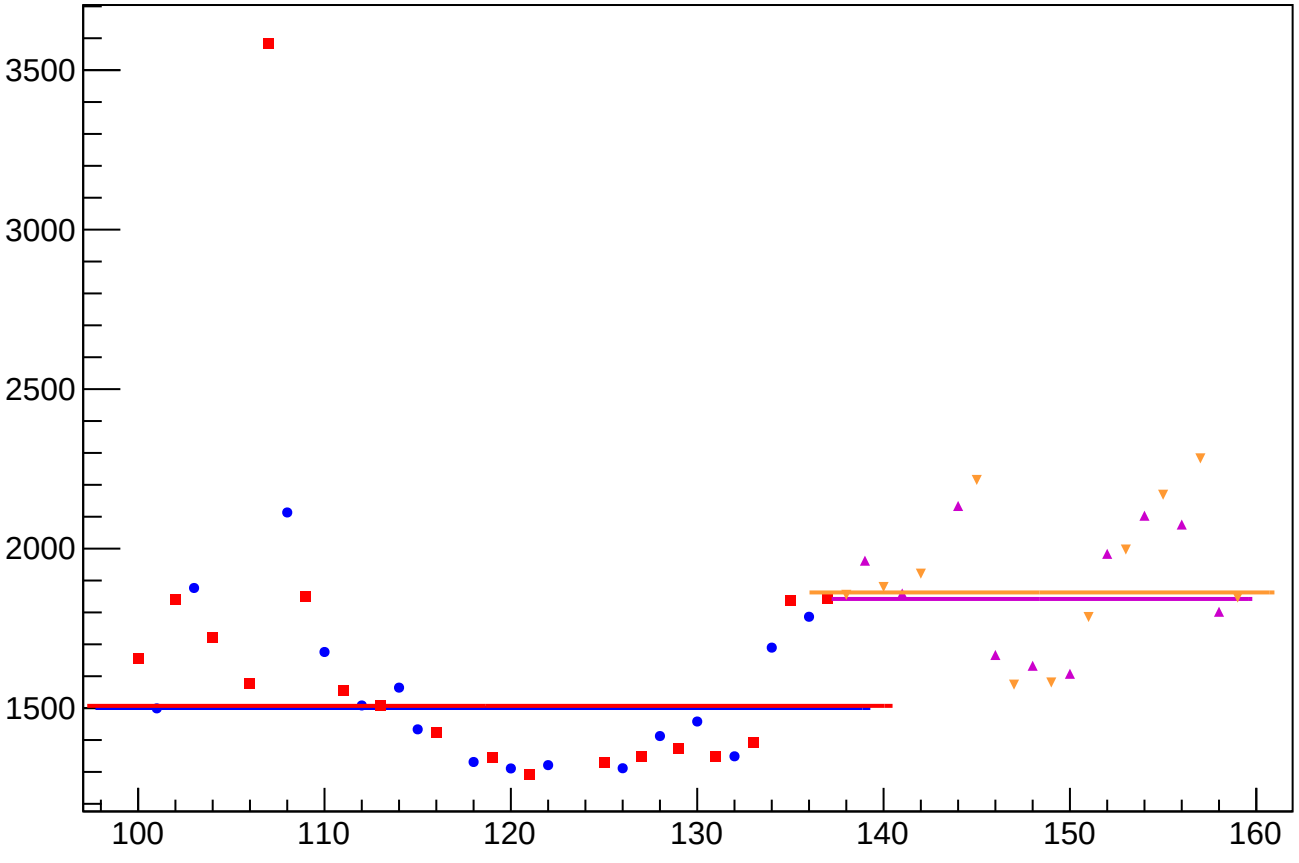
Left In: -1026.763+/-628.004 χ^2/NDF:4.1/9

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

All: 602.794+/-297.334 χ^2/NDF: 91.9/54

- sign -1309.639+/-419.435 χ^2/NDF: 22.9/27

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

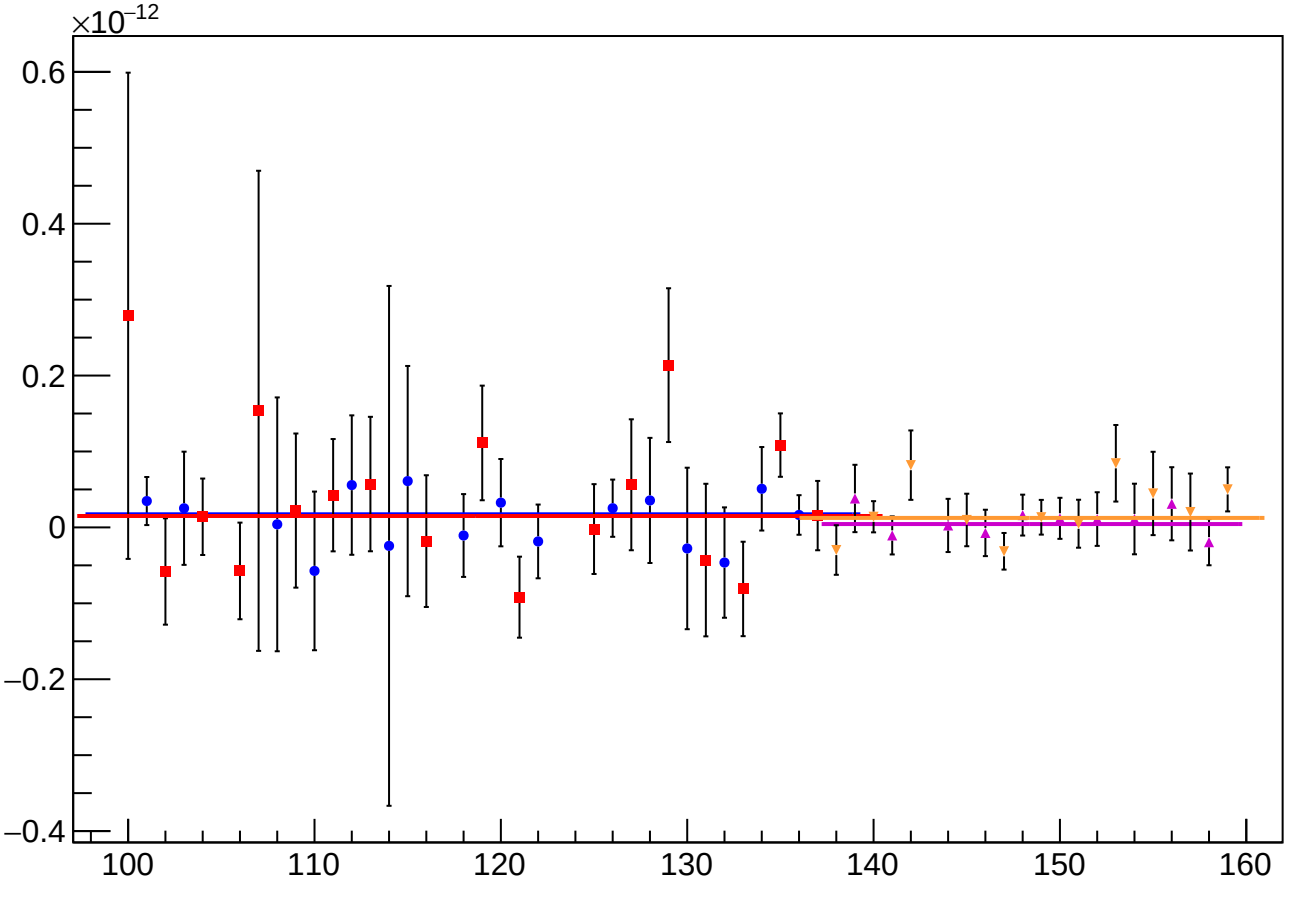
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1842.226+/-0.444 χ^2/NDF:183069.5/9

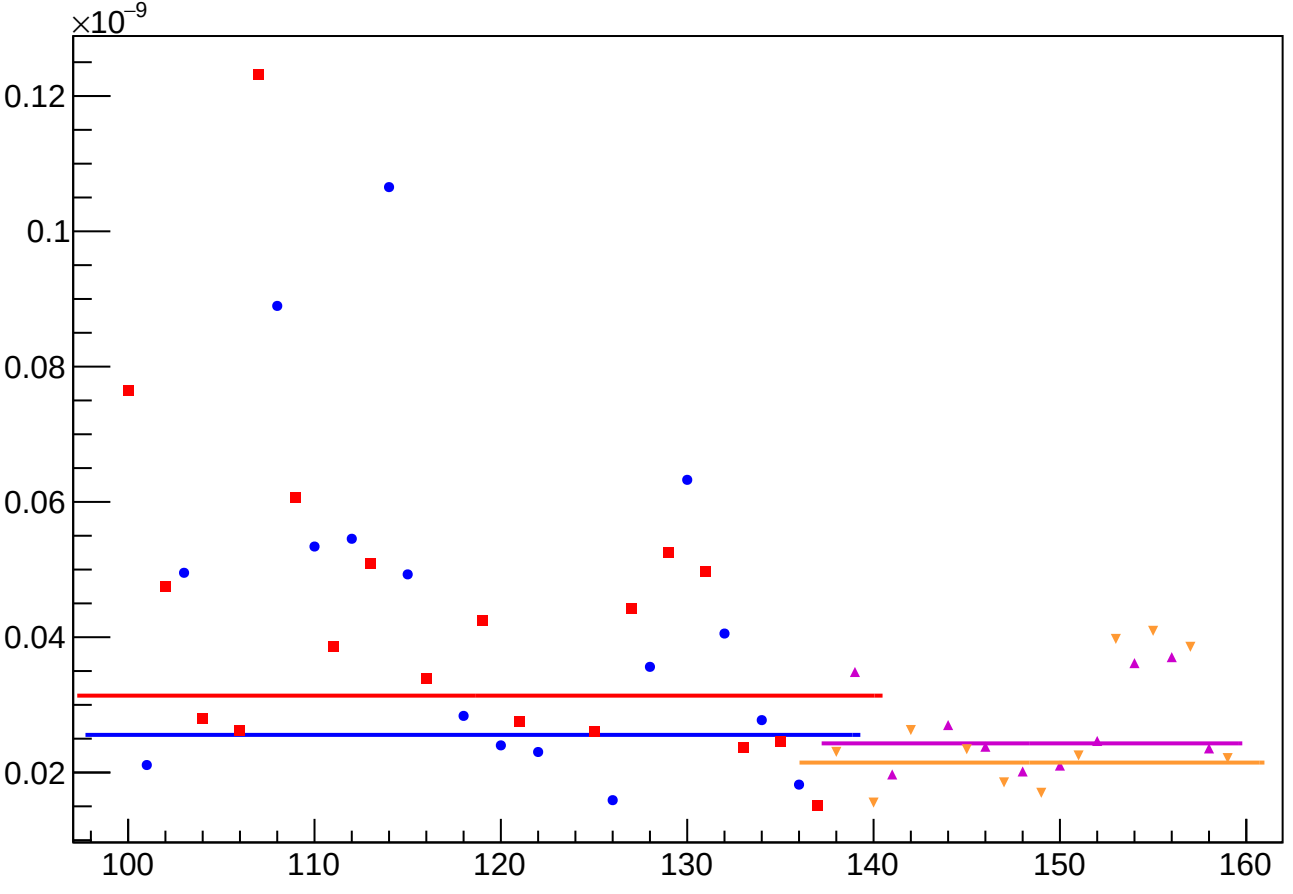
+ sign 1659.384+/-0.298 χ^2/NDF: 873033.9/26

All: 1657.979+/-0.210 χ^2/NDF: 1772862.6/54

- sign 1656.589+/-0.297 χ^2/NDF: 899784.6/27


asym_usl_reg_vs_cor_diff_mean vs Slug
×10^−12
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: 3.4/15
Left Out: 0.000+/-0.000 χ²/NDF:11.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 21.3/17
Left In: 0.000+/-0.000 χ²/NDF:2.3/9
+ sign 0.000+/-0.000 χ²/NDF: 14.9/26
All: 0.000+/-0.000 χ²/NDF: 39.2/54
- sign 0.000+/-0.000 χ²/NDF: 23.9/27

asym_usl_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:1050795.6/10

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

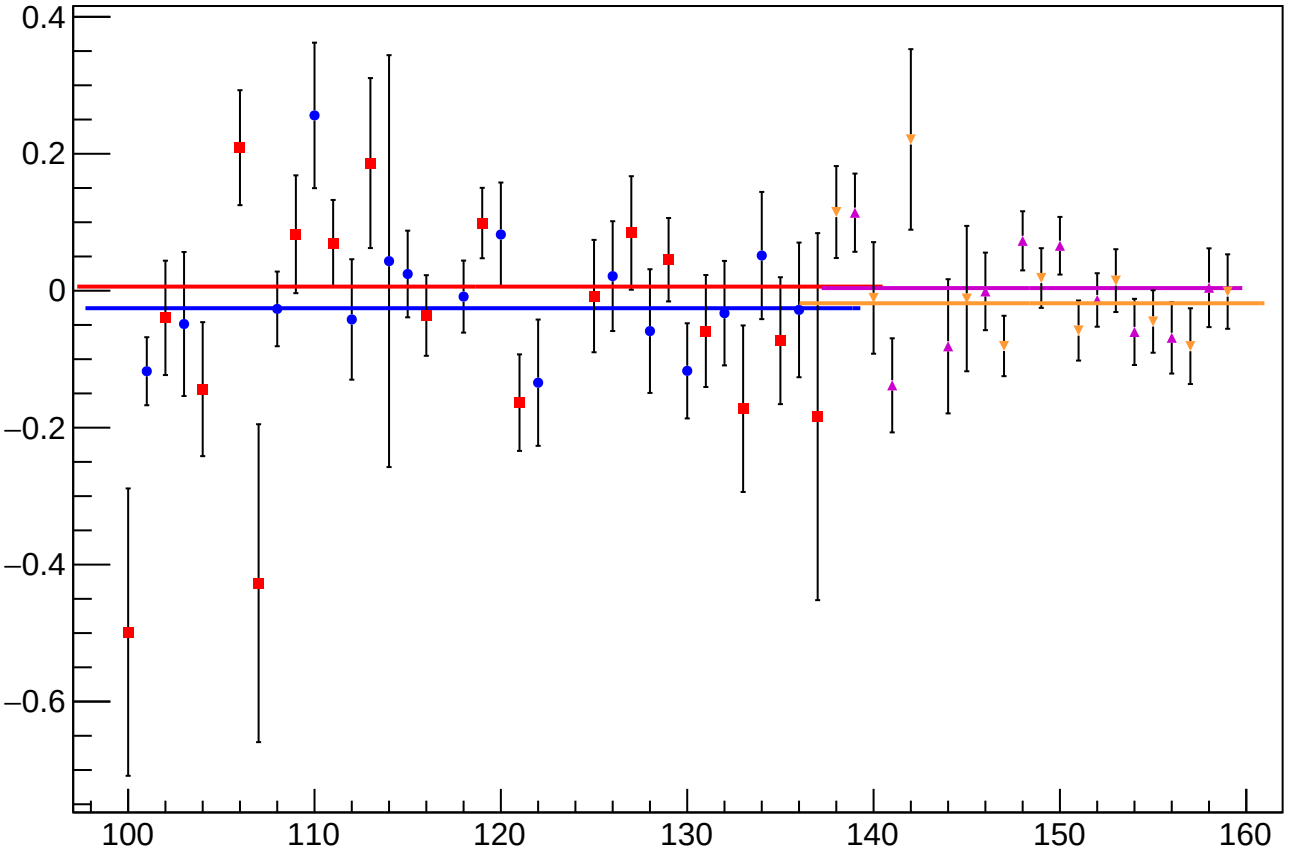
Left In: 0.000+/-0.000 χ^2/NDF:541516.8/9

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

All: 0.000+/-0.000 χ^2/NDF: 5116135.8/54

- sign 0.000+/-0.000 χ^2/NDF: 2043024.6/27

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

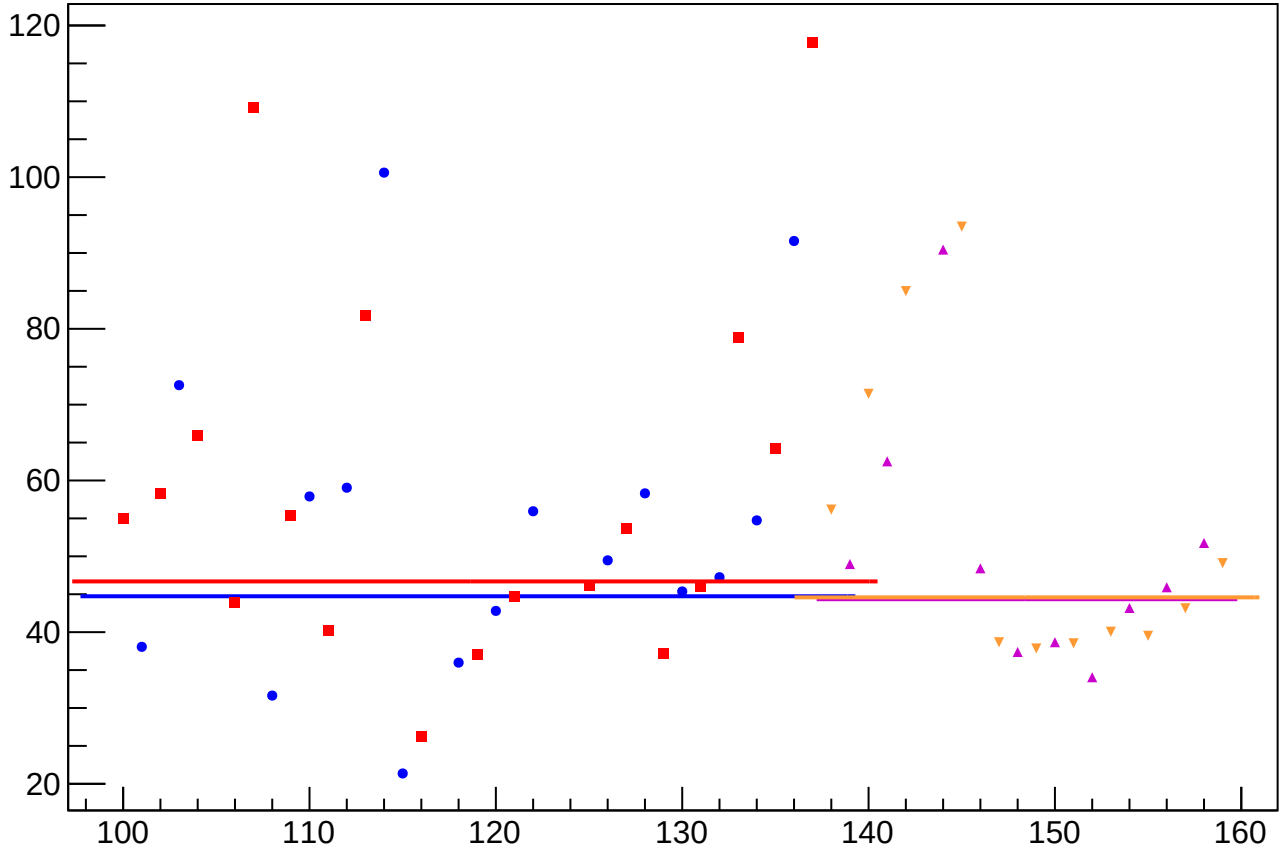
Left In: 0.004+/-0.016 χ^2/NDF:17.3/9

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

All: -0.008+/-0.009 χ^2/NDF: 86.9/54

- sign 0.005+/-0.012 χ^2/NDF: 53.9/27

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

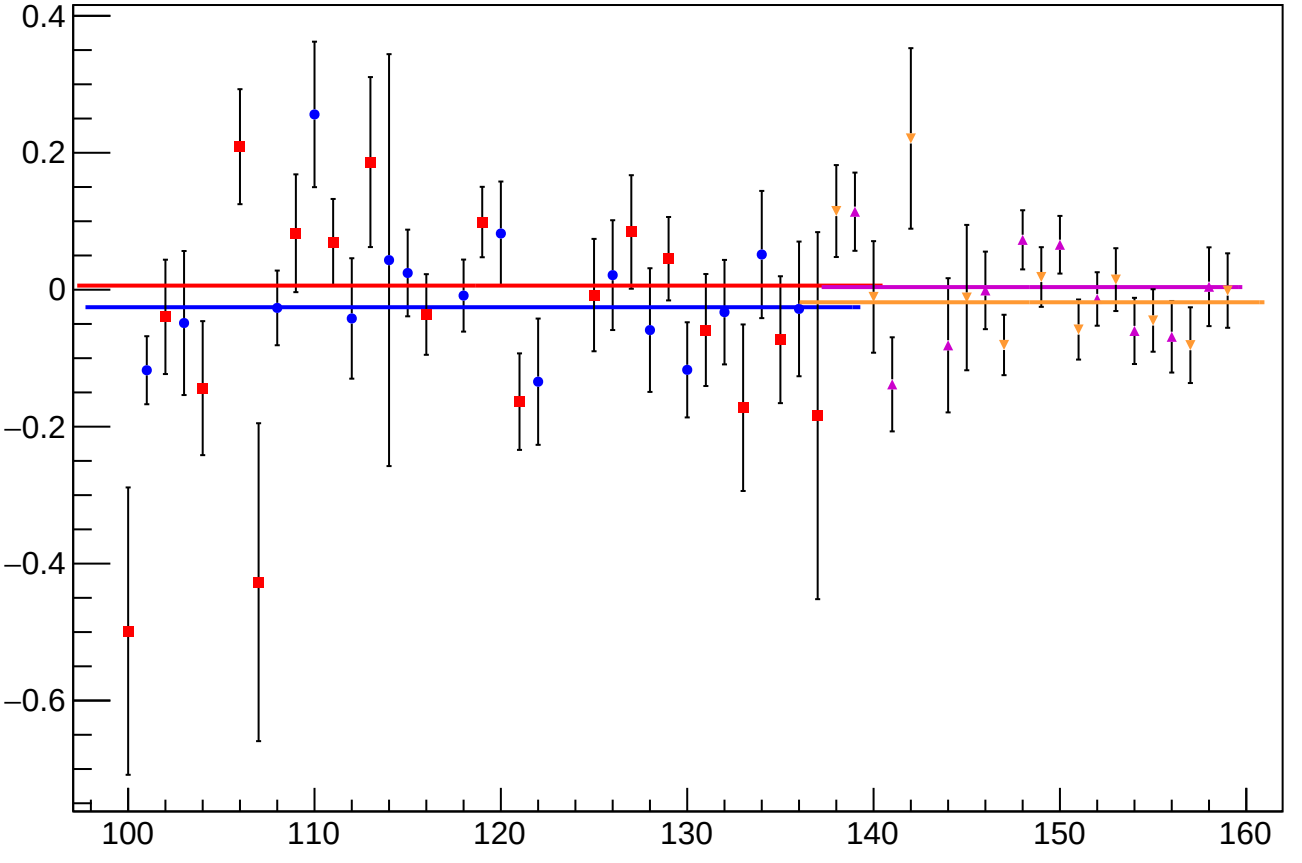
Left In: 44.344+/-0.011 χ^2/NDF:869429.0/9

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

All: 44.979+/-0.006 χ^2/NDF: 4489308.3/54

\- sign 45.312+/-0.009 χ^2/NDF: 2082093.1/27

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

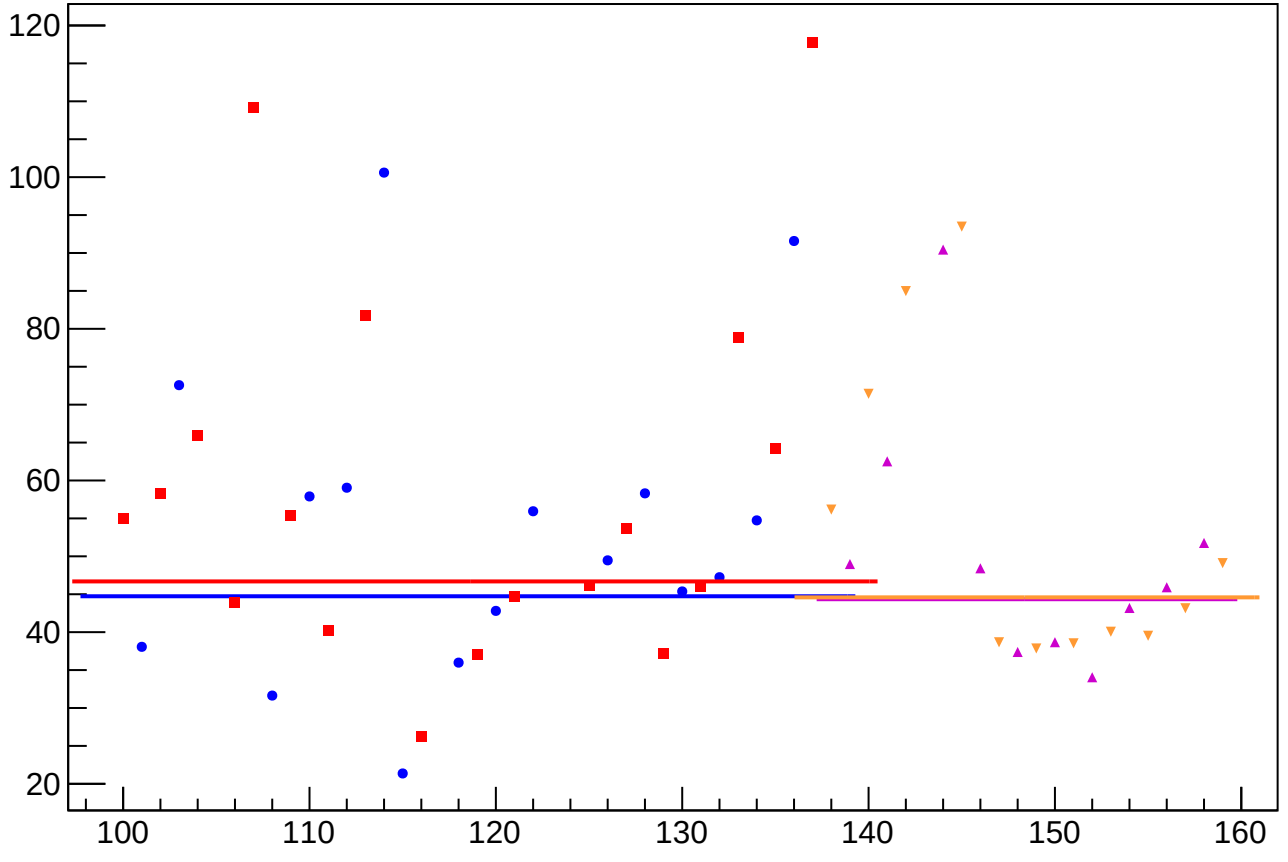
Left In: 0.004+/-0.016 χ^2/NDF:17.3/9

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

All: -0.008+/-0.009 χ^2/NDF: 86.9/54

- sign 0.005+/-0.012 χ^2/NDF: 53.9/27

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

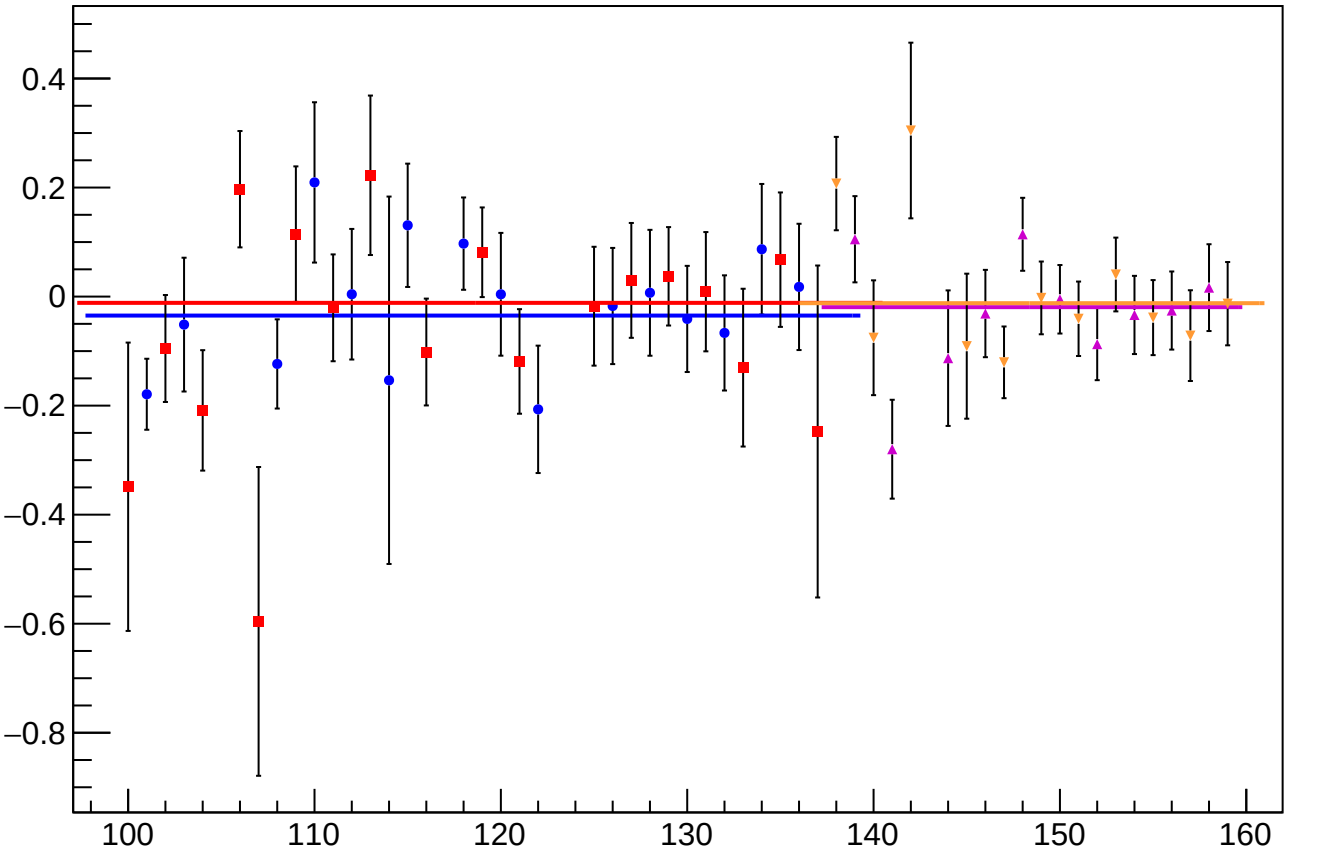
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.344+/-0.011 χ^2/NDF:869429.0/9

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

All: 44.979+/-0.006 χ^2/NDF: 4489308.3/54

- sign 45.312+/-0.009 χ^2/NDF: 2082093.1/27



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

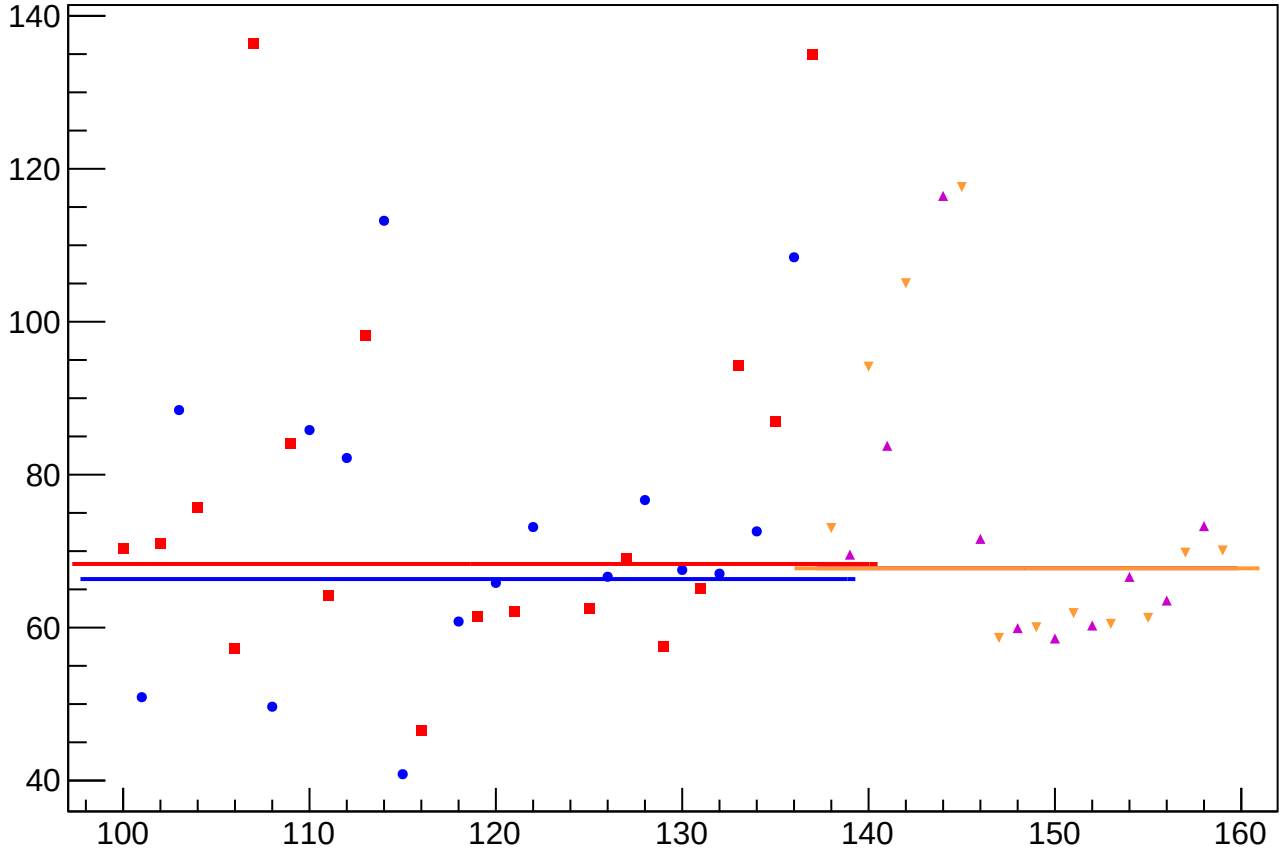
Left In: -0.019+/-0.024 χ^2/NDF:16.7/9

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

All: -0.019+/-0.013 χ^2/NDF: 72.7/54

- sign -0.016+/-0.018 χ^2/NDF: 39.5/27

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

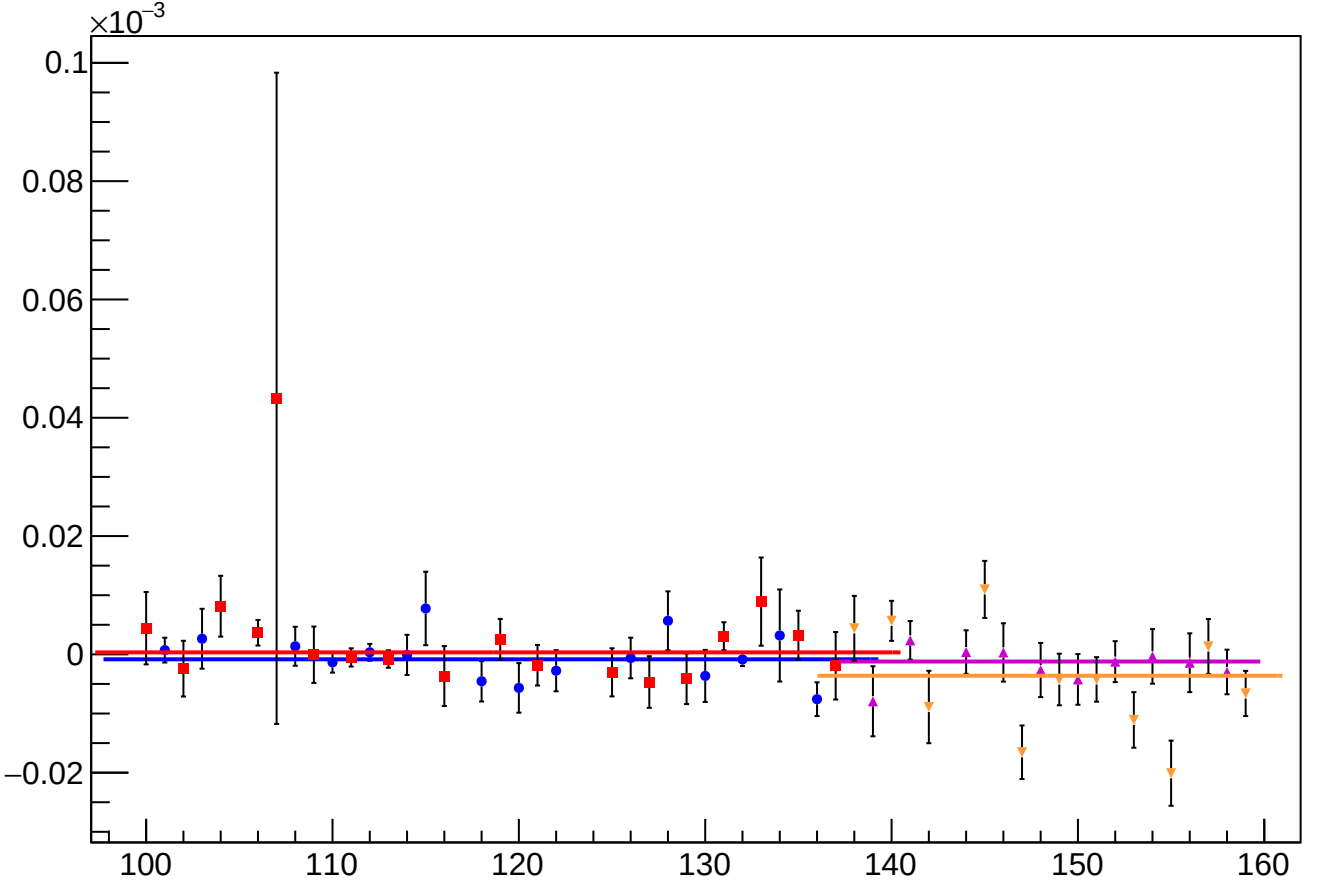
Left In: 67.777+/-0.017 χ^2/NDF:487733.1/9

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

All: 67.561+/-0.009 χ^2/NDF: 2541100.9/54

- sign 68.017+/-0.013 χ^2/NDF: 1117863.1/27

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

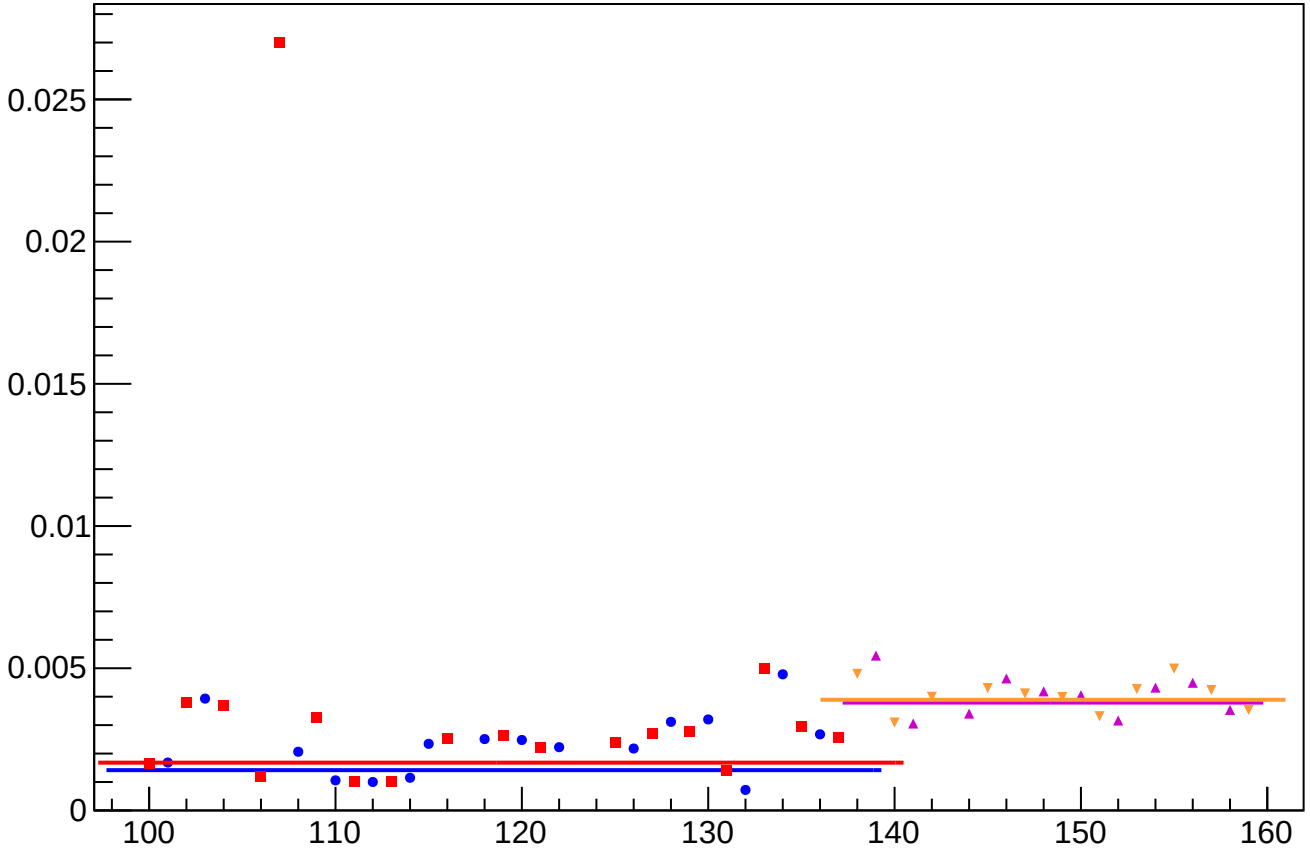
Left In: -0.000+/-0.000 χ^2/NDF:3.6/9

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

All: -0.000+/-0.000 χ^2/NDF: 81.4/54

- sign -0.000+/-0.000 χ^2/NDF: 19.5/27

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

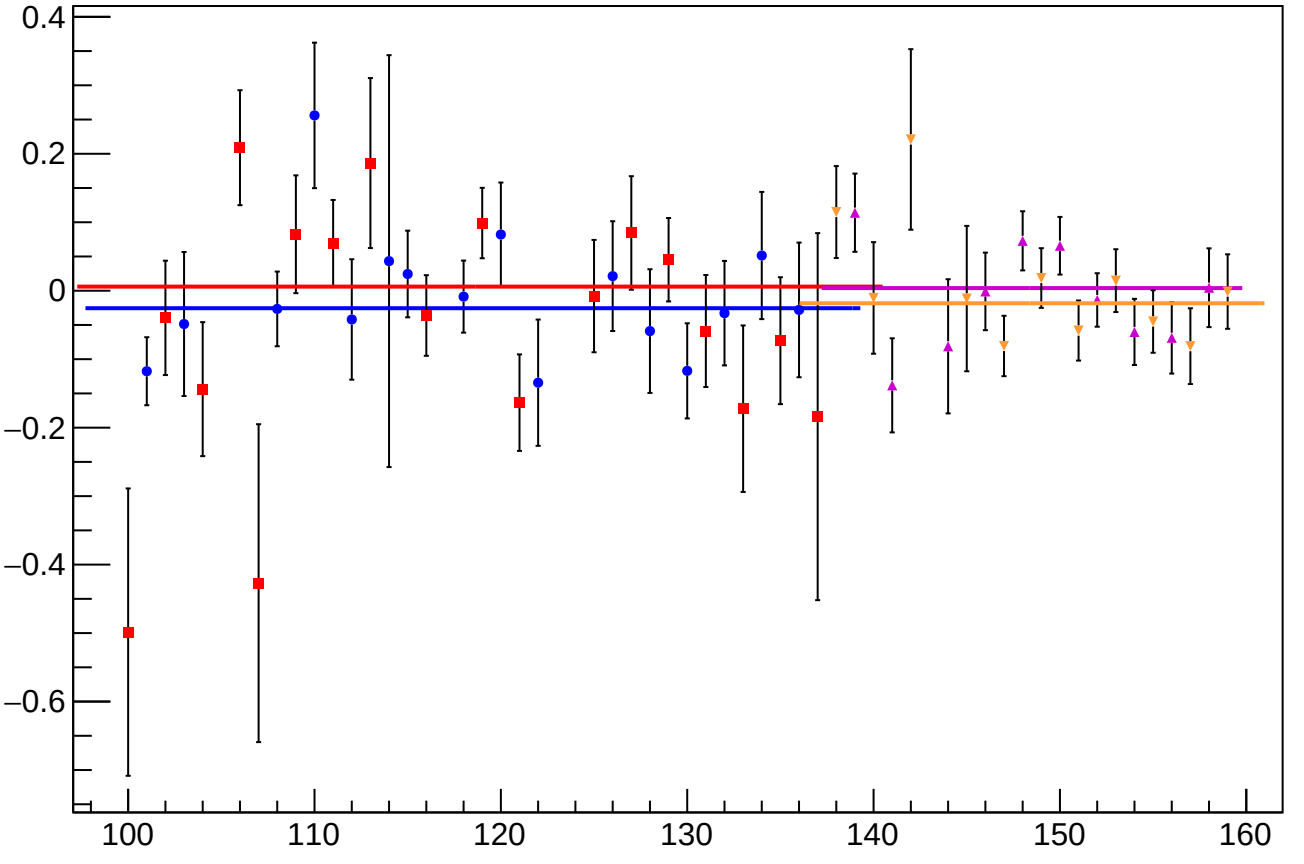
Left In: 0.004+/-0.000 χ^2/NDF:501917.0/9

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

All: 0.002+/-0.000 χ^2/NDF: 17719522.4/54

- sign 0.002+/-0.000 χ^2/NDF: 7898263.2/27

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

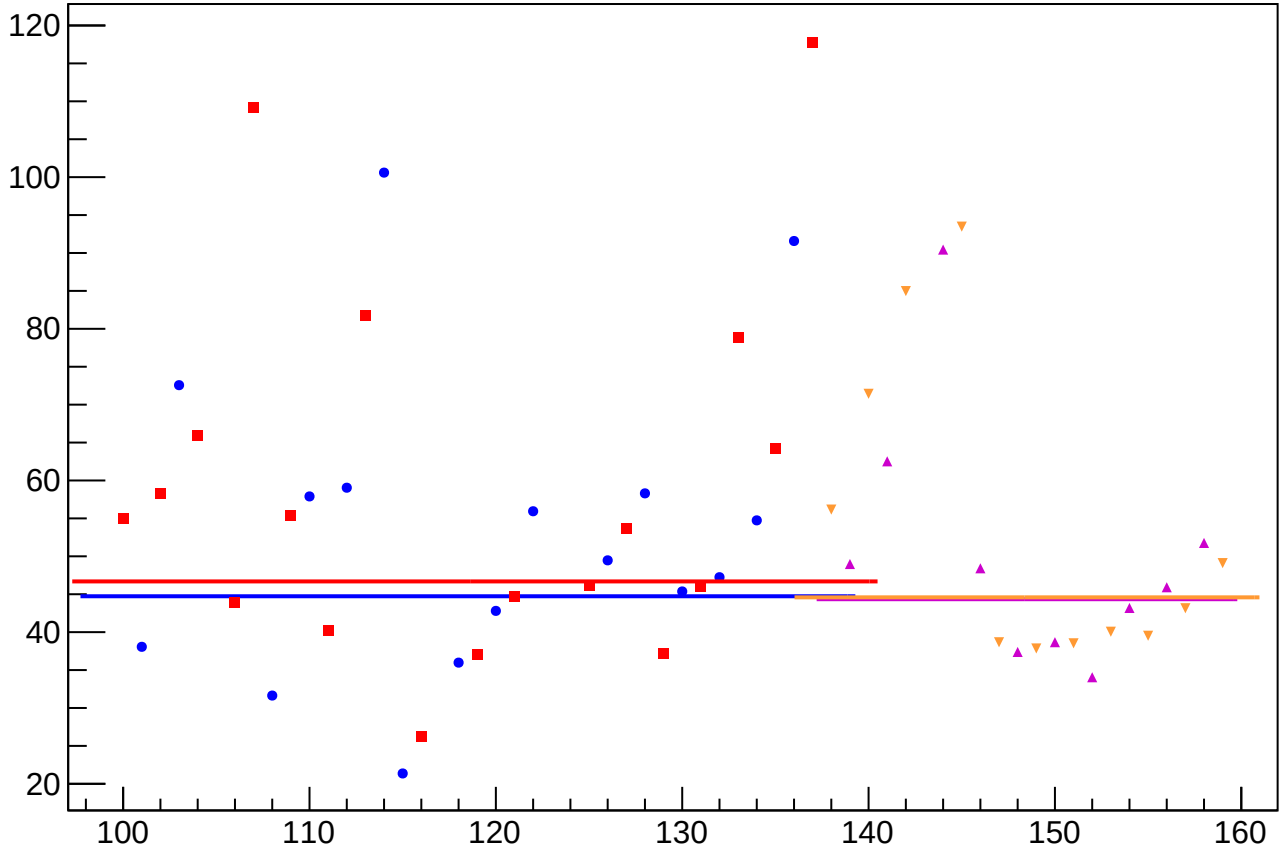
Left In: 0.004+/-0.016 χ^2/NDF:17.3/9

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

All: -0.008+/-0.009 χ^2/NDF: 86.8/54

- sign 0.005+/-0.012 χ^2/NDF: 53.9/27

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

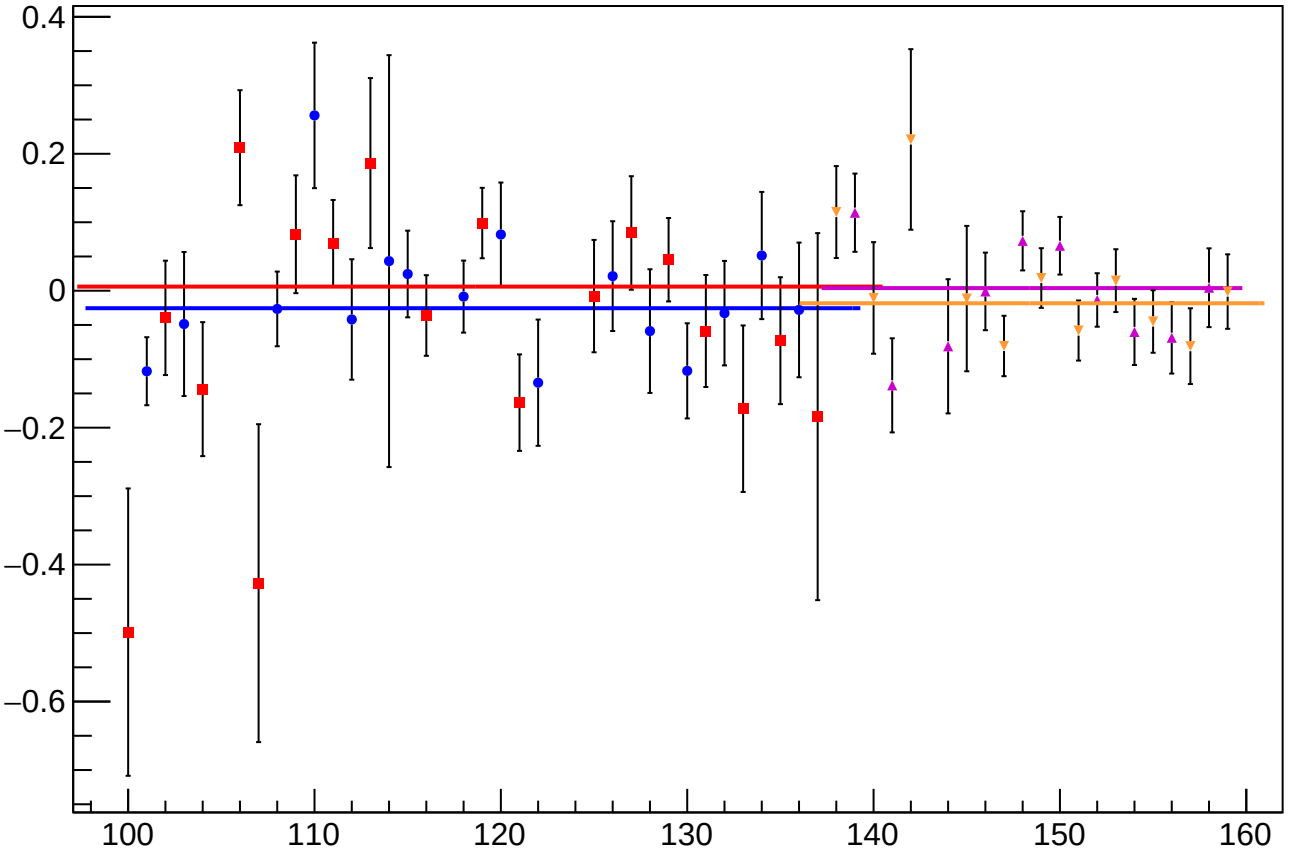
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.345+/-0.011 χ^2/NDF:869407.7/9

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

All: 44.979+/-0.006 χ^2/NDF: 4489329.3/54

- sign 45.312+/-0.009 χ^2/NDF: 2082092.2/27



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

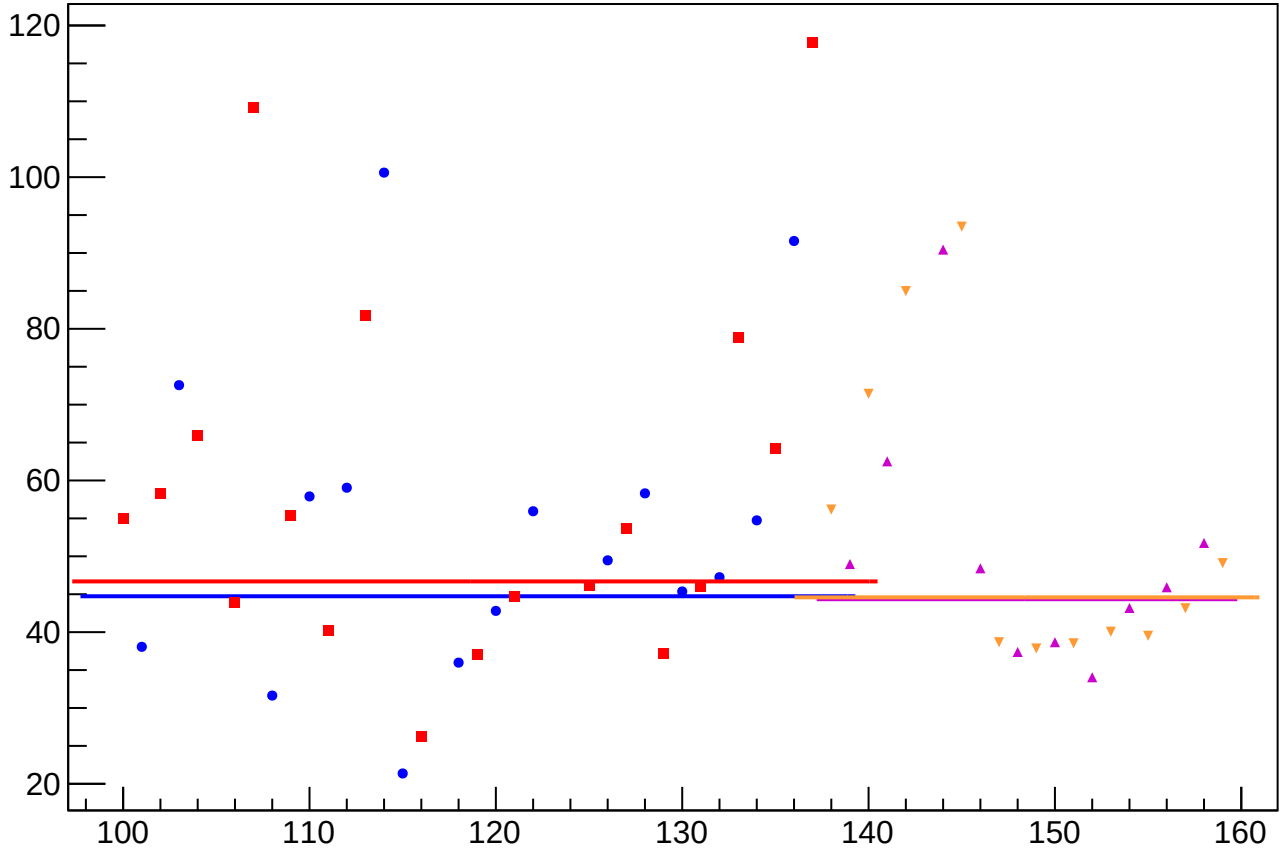
Left In: 0.004+/-0.016 χ^2/NDF:17.3/9

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

All: -0.008+/-0.009 χ^2/NDF: 86.8/54

- sign 0.005+/-0.012 χ^2/NDF: 53.9/27

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

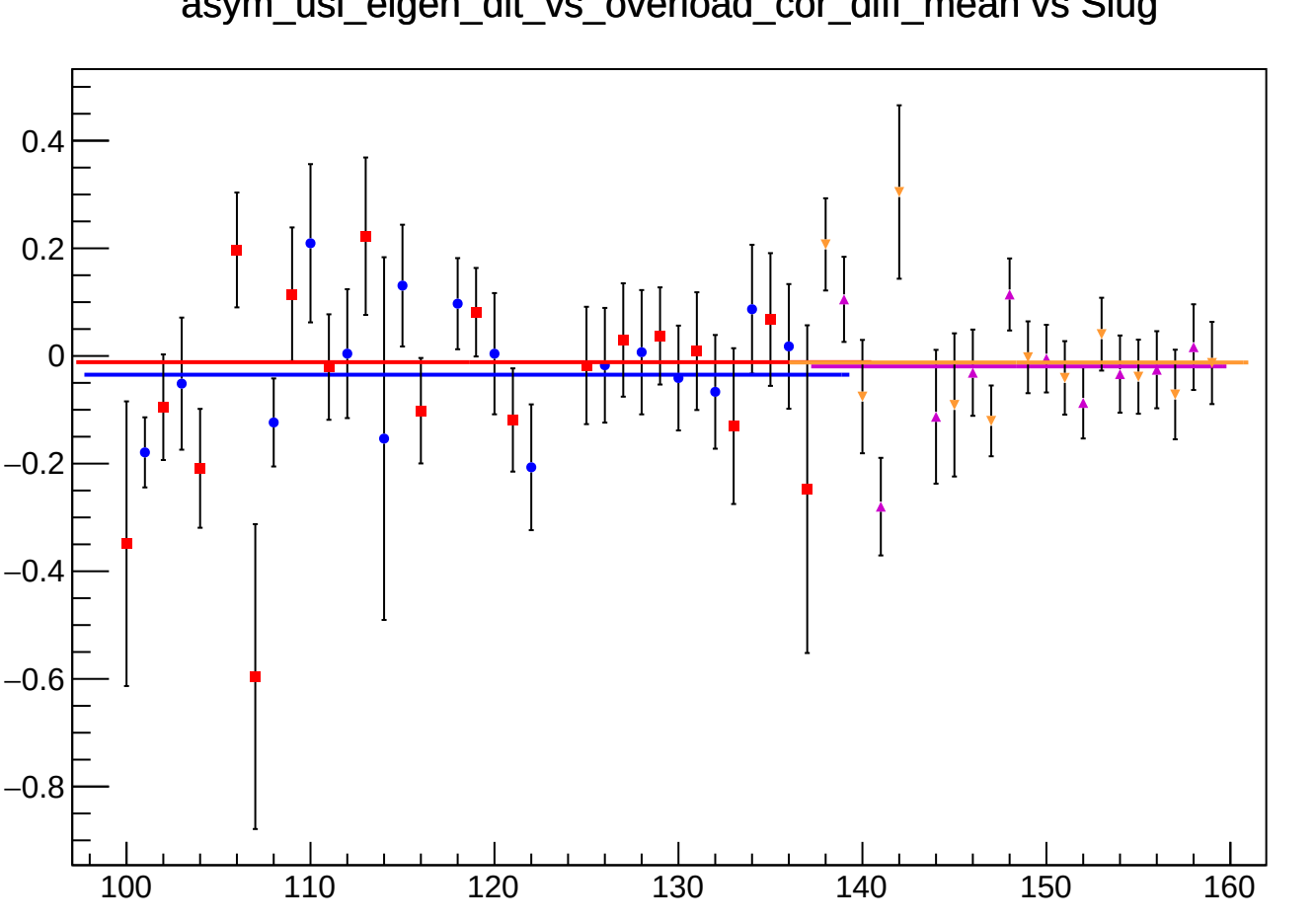
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.345+/-0.011 χ^2/NDF:869407.7/9

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

All: 44.979+/-0.006 χ^2/NDF: 4489329.3/54

\- sign 45.312+/-0.009 χ^2/NDF: 2082092.2/27



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

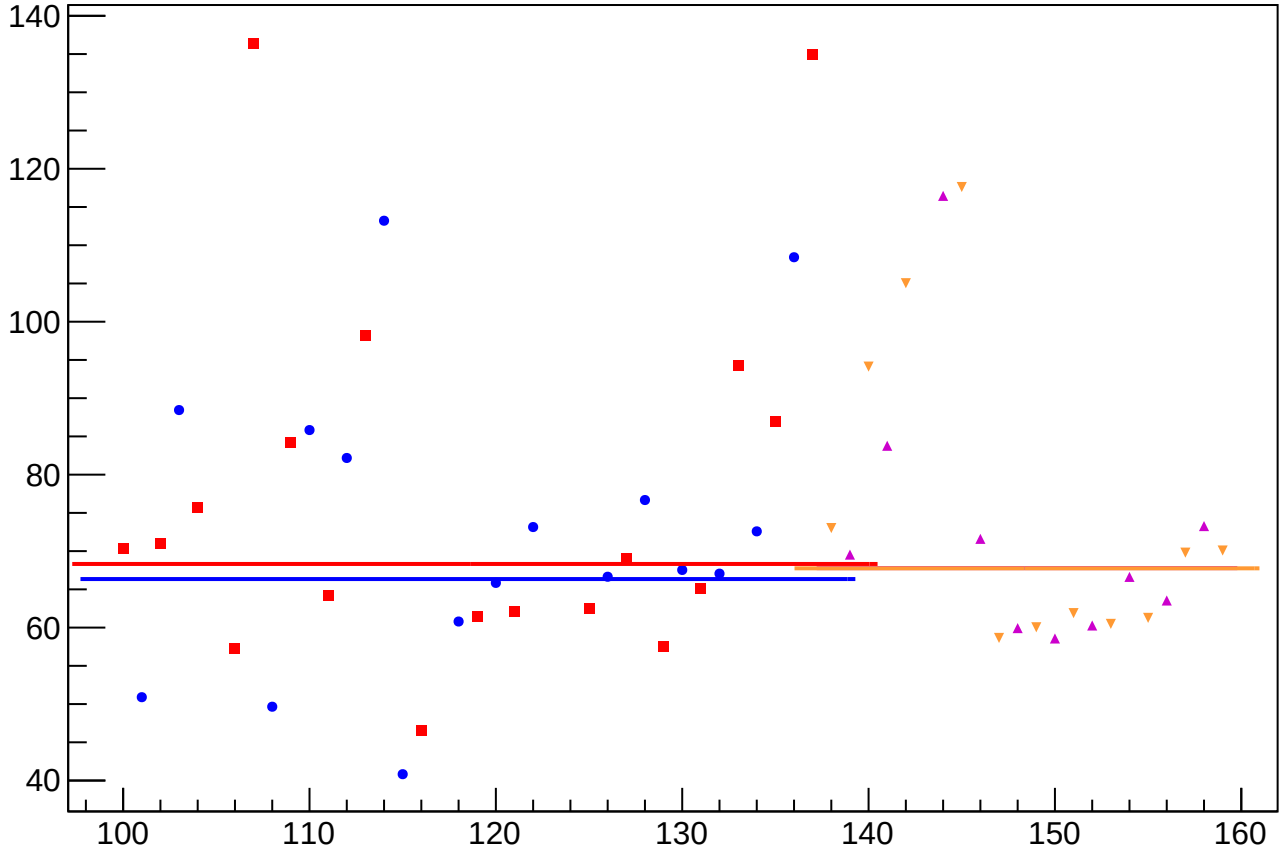
Left In: -0.019+/-0.024 χ^2/NDF:16.7/9

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

All: -0.019+/-0.013 χ^2/NDF: 72.7/54

- sign -0.016+/-0.018 χ^2/NDF: 39.5/27

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

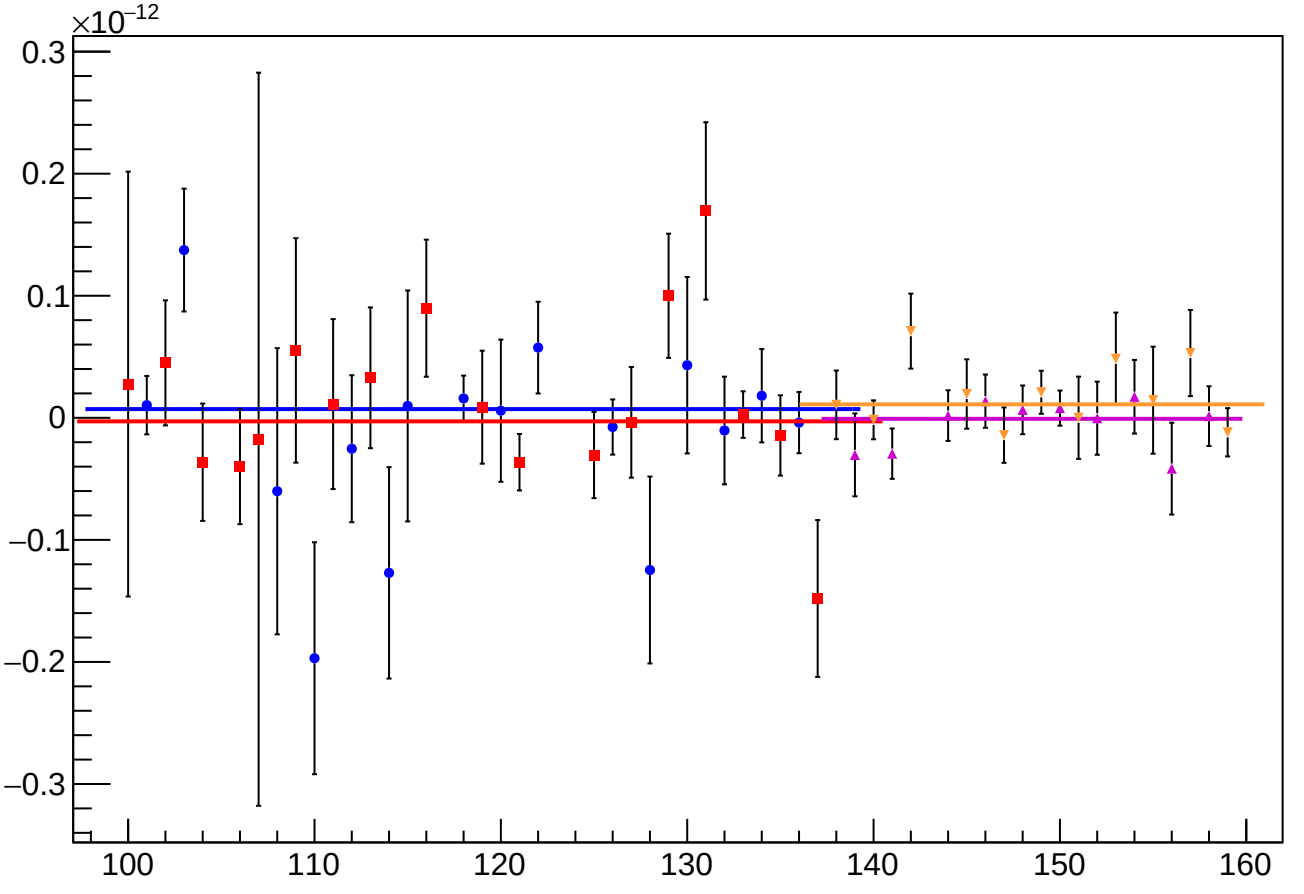
Left In: 67.777+/-0.017 χ^2/NDF:487724.5/9

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

All: 67.561+/-0.009 χ^2/NDF: 2541081.9/54

- sign 68.017+/-0.013 χ^2/NDF: 1117848.6/27

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

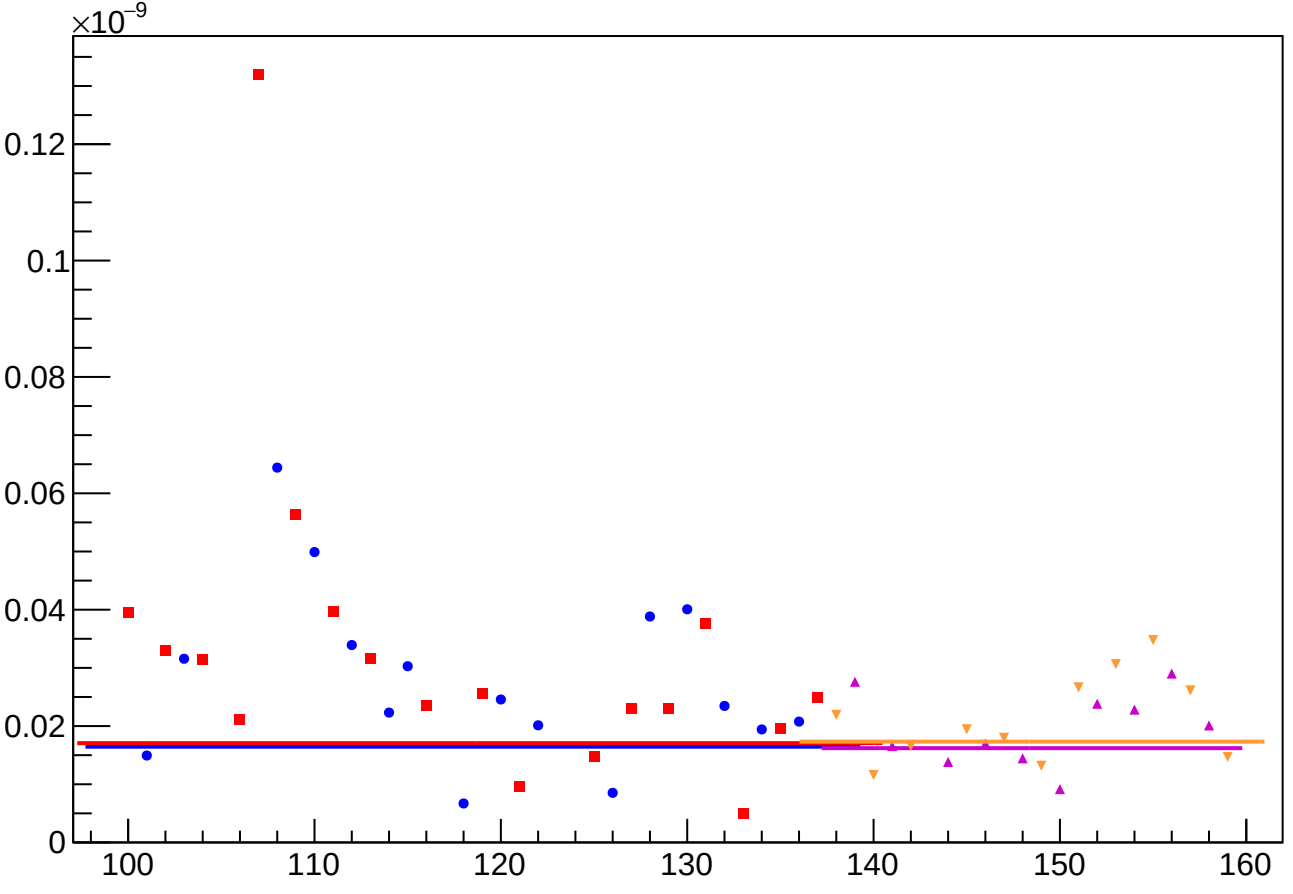
Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/26

All: 0.000+/-0.000 χ^2/NDF: 60.9/54

- sign -0.000+/-0.000 χ^2/NDF: 28.6/27

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

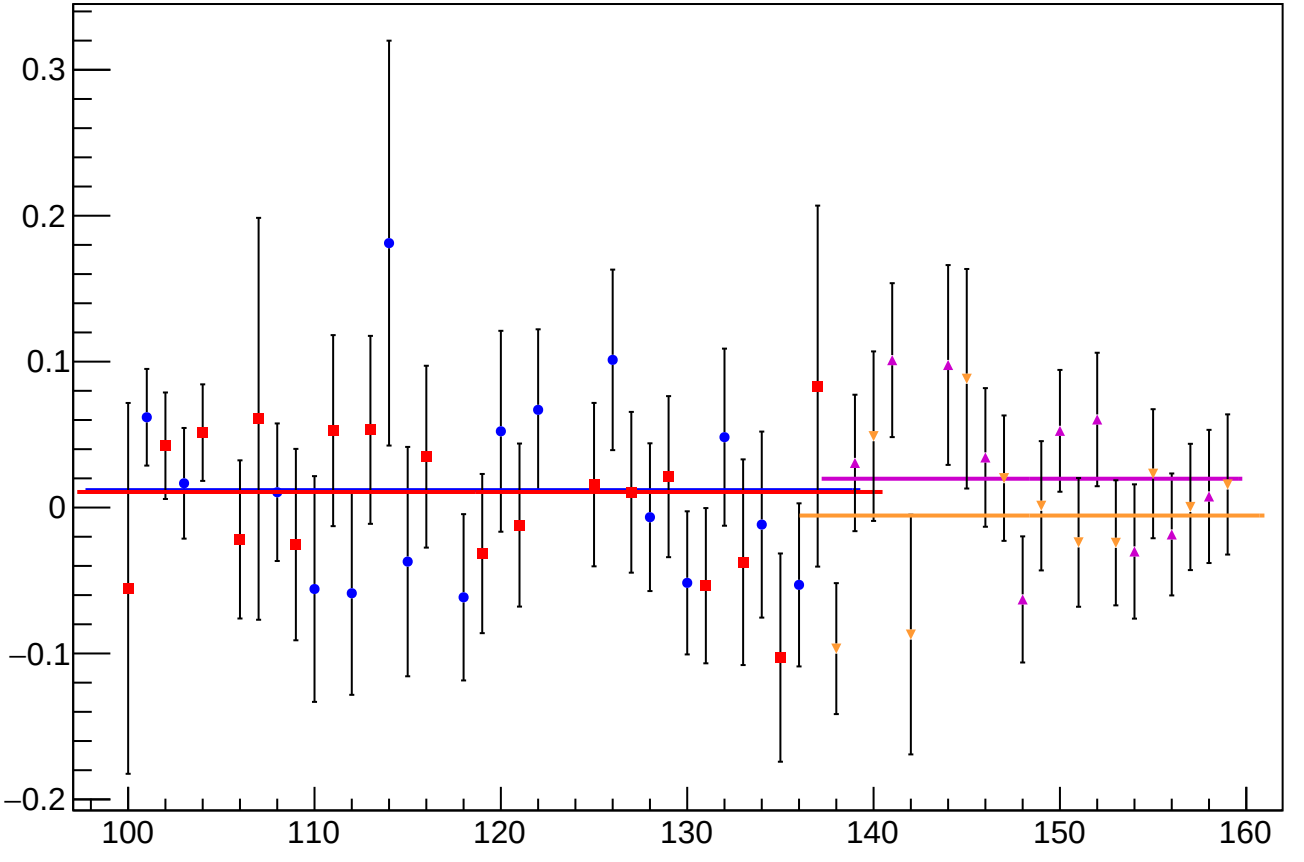
Left In: 0.000+/-0.000 χ^2/NDF:1258433.6/9

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

All: 0.000+/-0.000 χ^2/NDF: 7736870.6/54

- sign 0.000+/-0.000 χ^2/NDF: 4059940.7/27

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

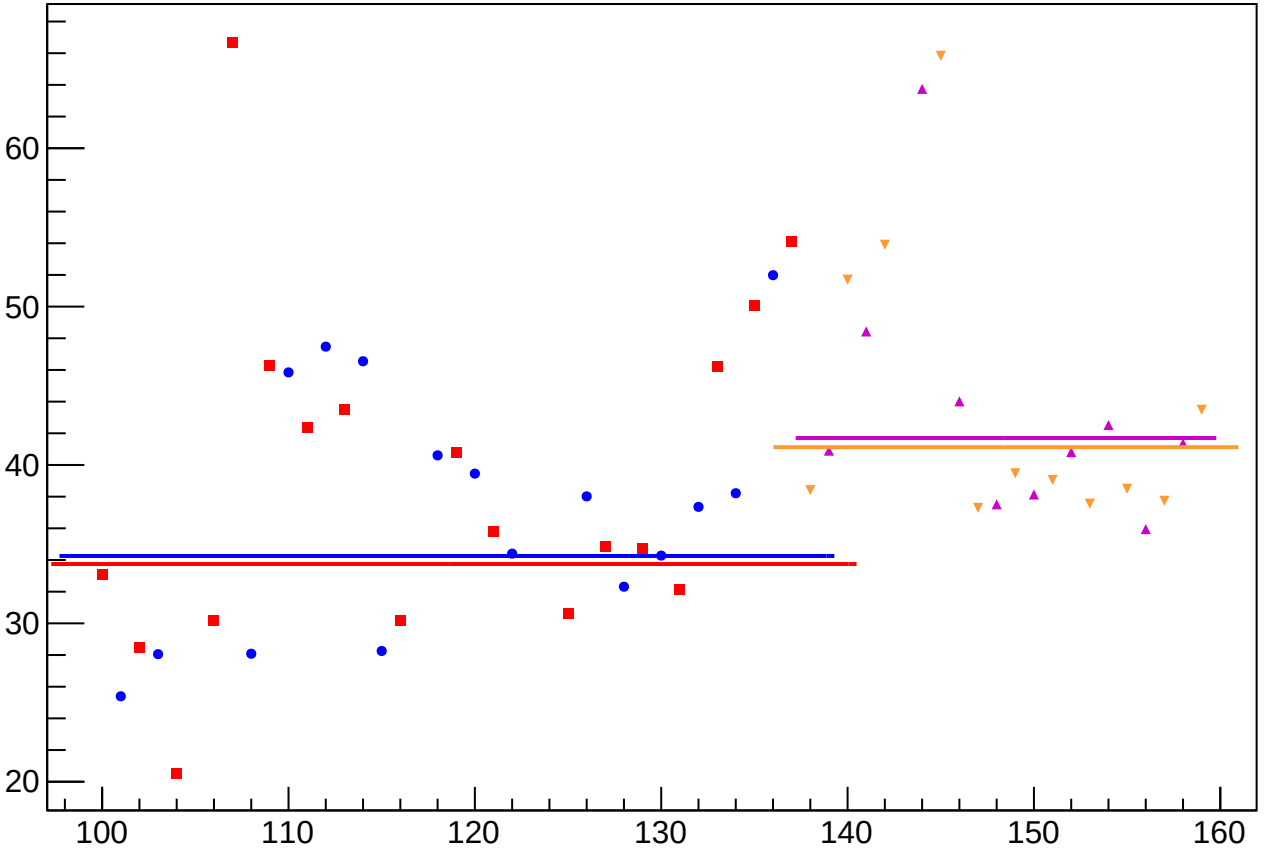
Left In: 0.020+/-0.015 χ^2/NDF:11.0/9

+ sign 0.004+/-0.010 χ^2/NDF: 24.4/26

All: 0.009+/-0.007 χ^2/NDF: 46.1/54

- sign 0.015+/-0.010 χ^2/NDF: 21.1/27

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

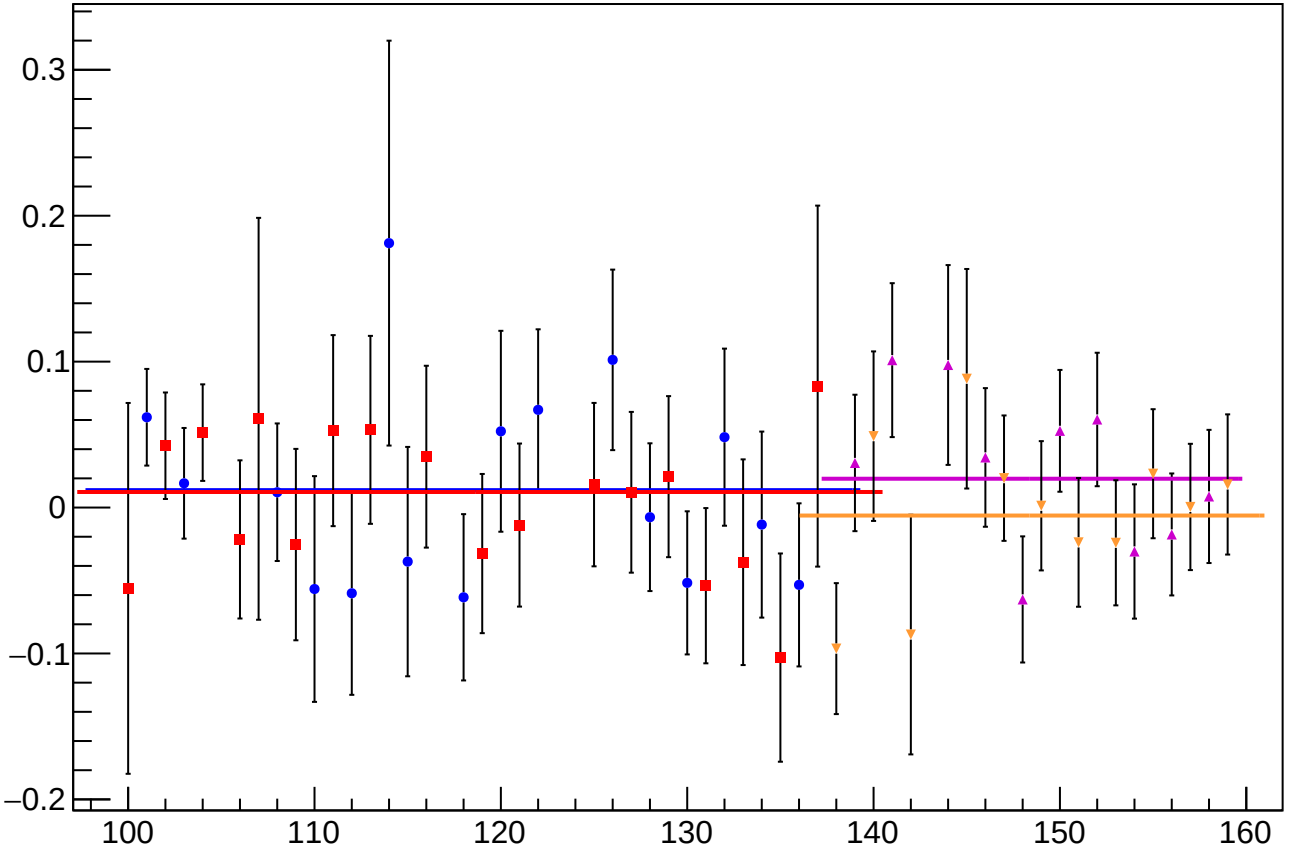
Left In: 41.703+/-0.010 χ^2/NDF:318007.9/9

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

All: 37.403+/-0.005 χ^2/NDF: 2819710.1/54

- sign 37.352+/-0.007 χ^2/NDF: 1547502.6/27

asym_usl_overload_cor_vs_eigen_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

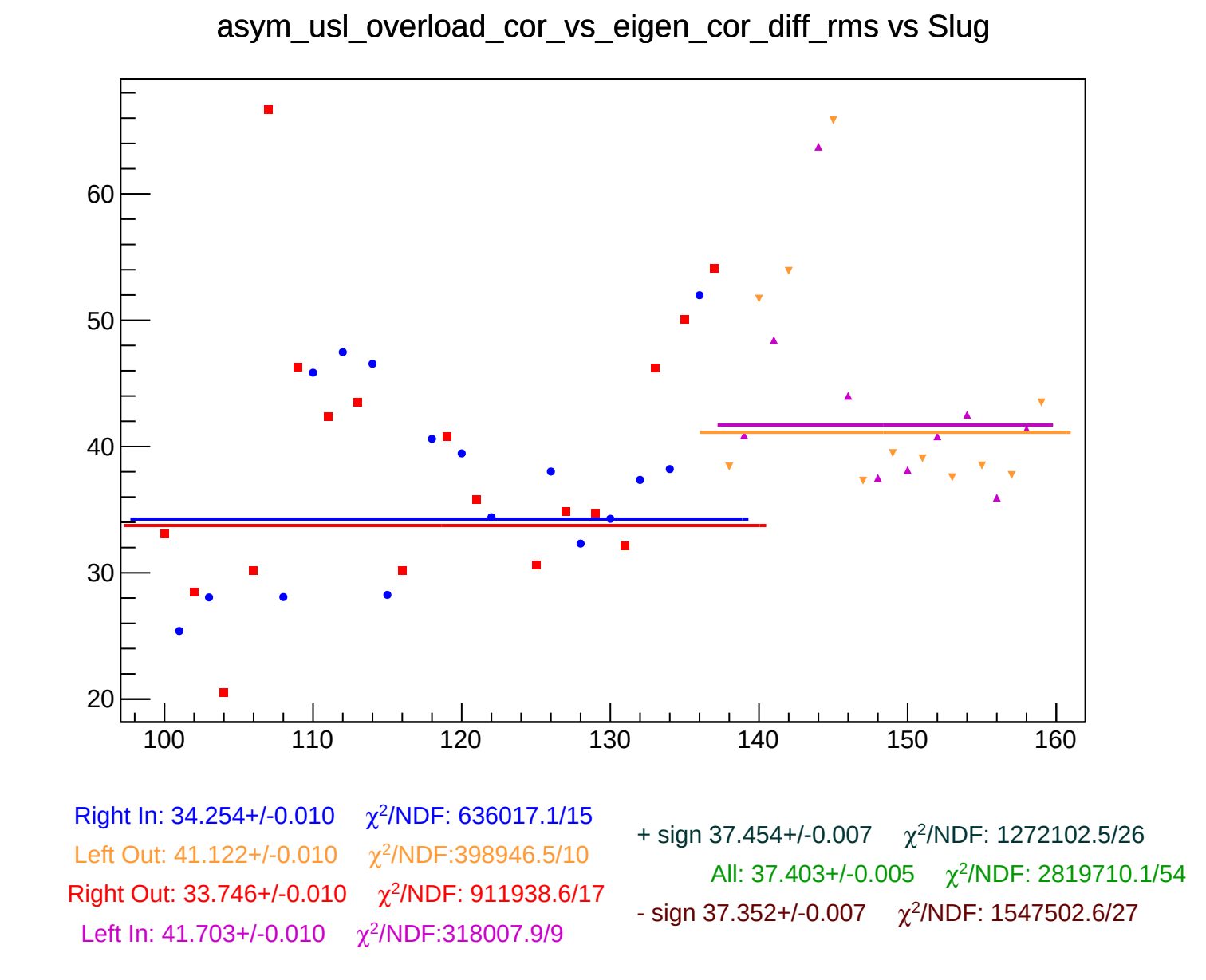
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.020+/-0.015 χ^2/NDF:11.0/9

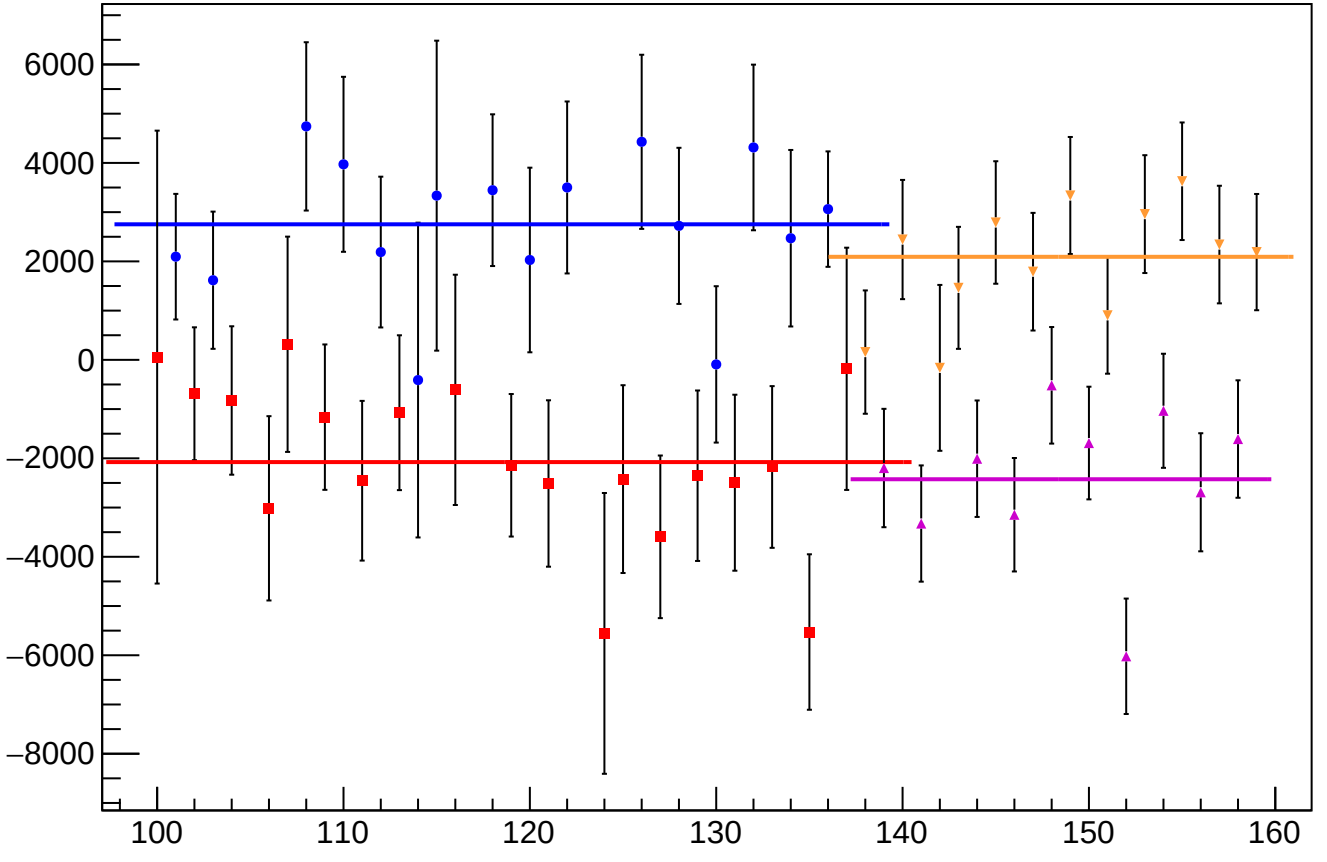
+ sign 0.004+/-0.010 χ^2/NDF: 24.4/26

All: 0.009+/-0.007 χ^2/NDF: 46.1/54

- sign 0.015+/-0.010 χ^2/NDF: 21.1/27


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: 41.703+/-0.010 χ²/NDF:318007.9/9
+ sign 37.454+/-0.007 χ²/NDF: 1272102.5/26
All: 37.403+/-0.005 χ²/NDF: 2819710.1/54
- sign 37.352+/-0.007 χ²/NDF: 1547502.6/27

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

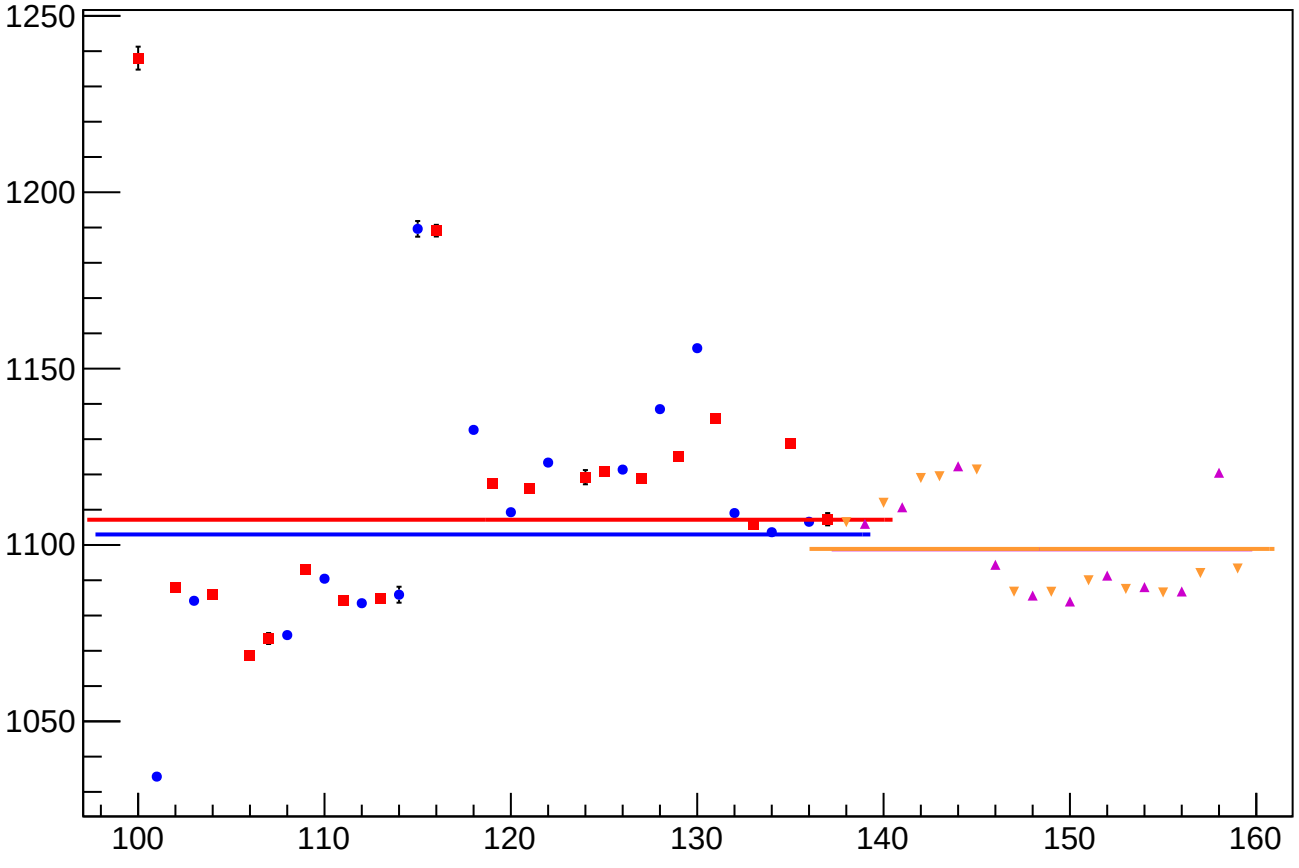
Left In: -2425.055+/-372.013 χ^2/NDF:15.5/9

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

All: 98.501+/-191.673 χ^2/NDF: 195.2/56

- sign -2265.019+/-273.600 χ^2/NDF: 28.5/28

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

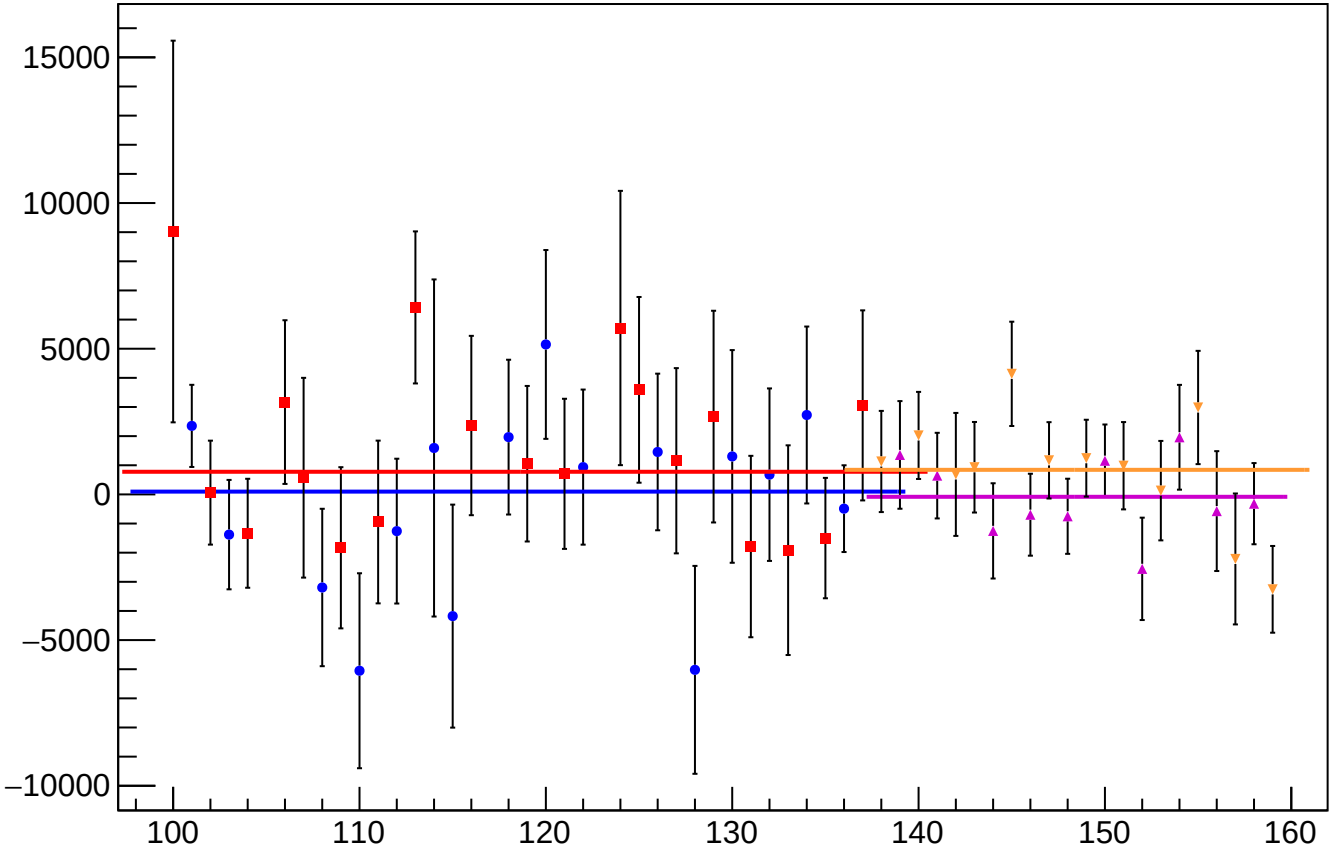
Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

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

All: 1101.617+/-0.136 χ^2/NDF: 28161.1/56

- sign 1102.623+/-0.193 χ^2/NDF: 11940.0/28

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

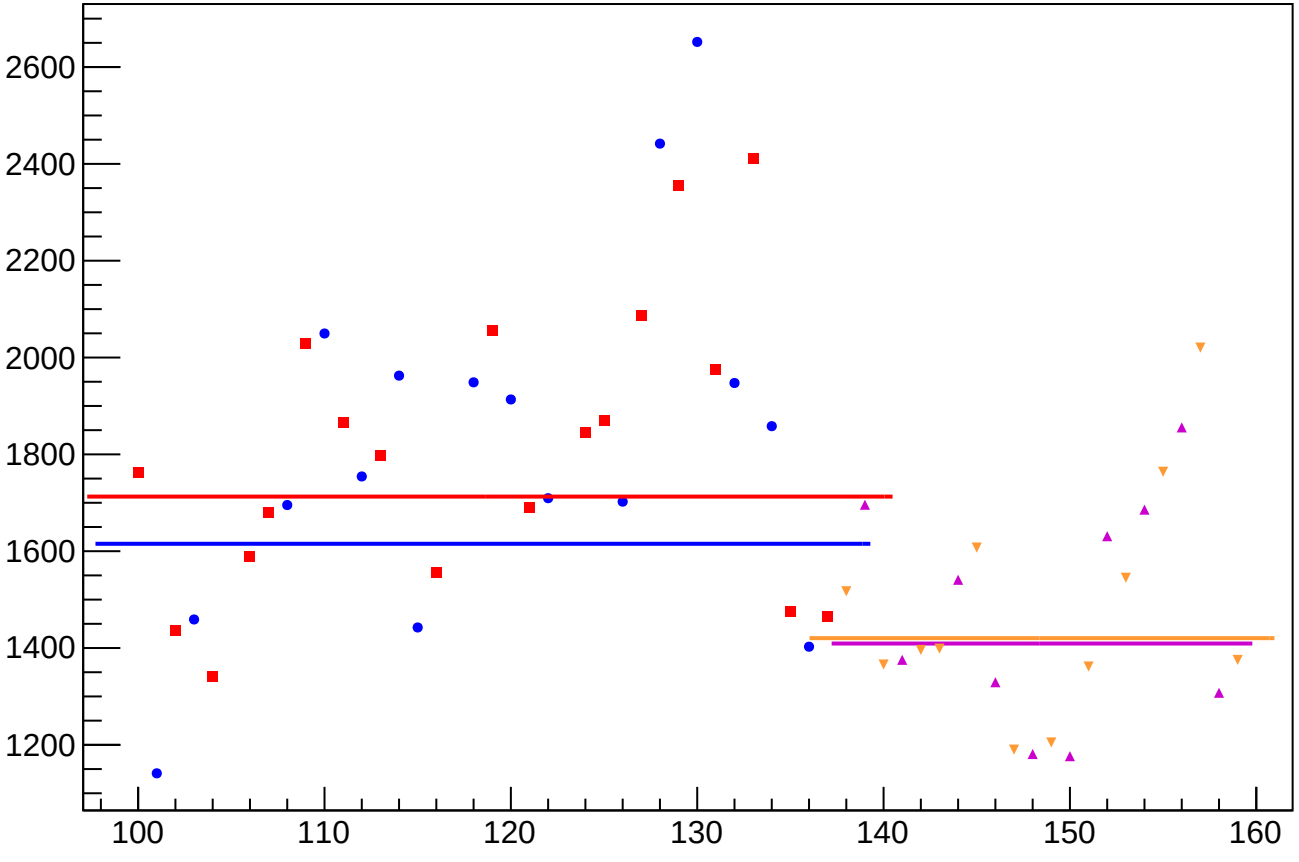
Left In: -82.224+/-483.959 χ^2/NDF:6.2/9

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

All: 407.831+/-267.818 χ^2/NDF: 55.7/56

- sign 232.246+/-385.349 χ^2/NDF: 22.4/28

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

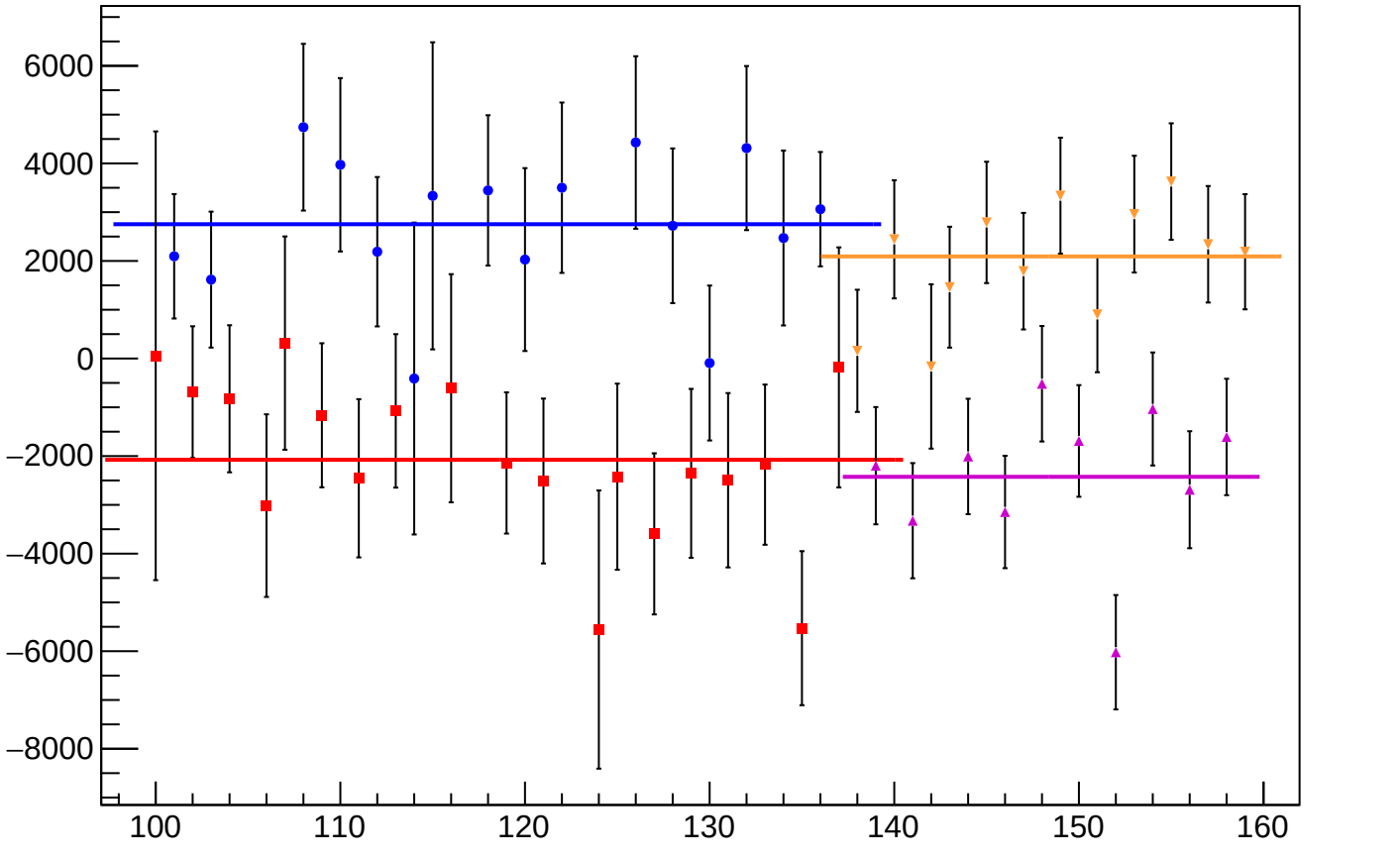
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1409.282+/-0.342 χ^2/NDF:385399.9/9

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

All: 1505.283+/-0.189 χ^2/NDF: 2294872.1/56

- sign 1520.368+/-0.272 χ^2/NDF: 1101372.2/28



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

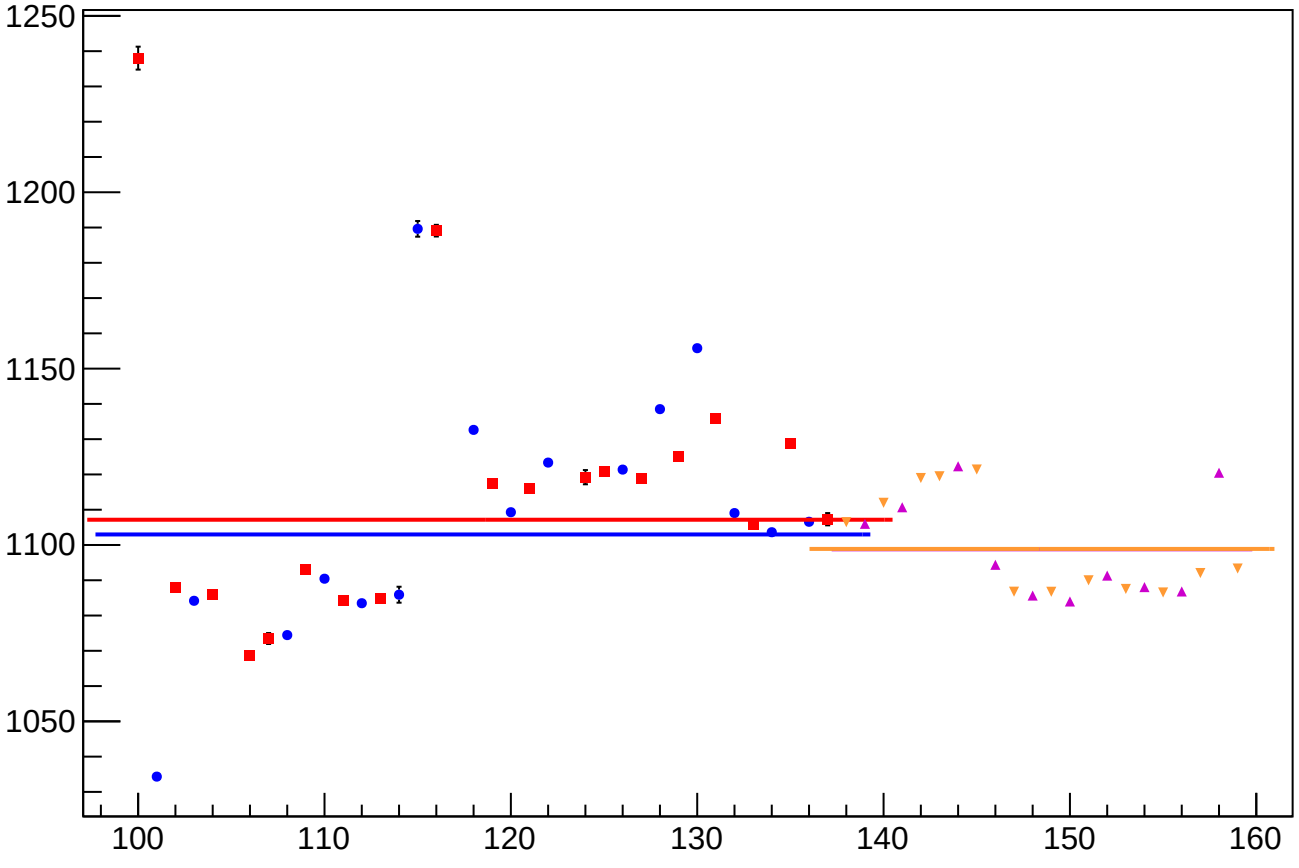
Left In: -2425.055+/-372.013 χ^2/NDF:15.5/9

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

All: 98.501+/-191.673 χ^2/NDF: 195.2/56

- sign -2265.019+/-273.600 χ^2/NDF: 28.5/28

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

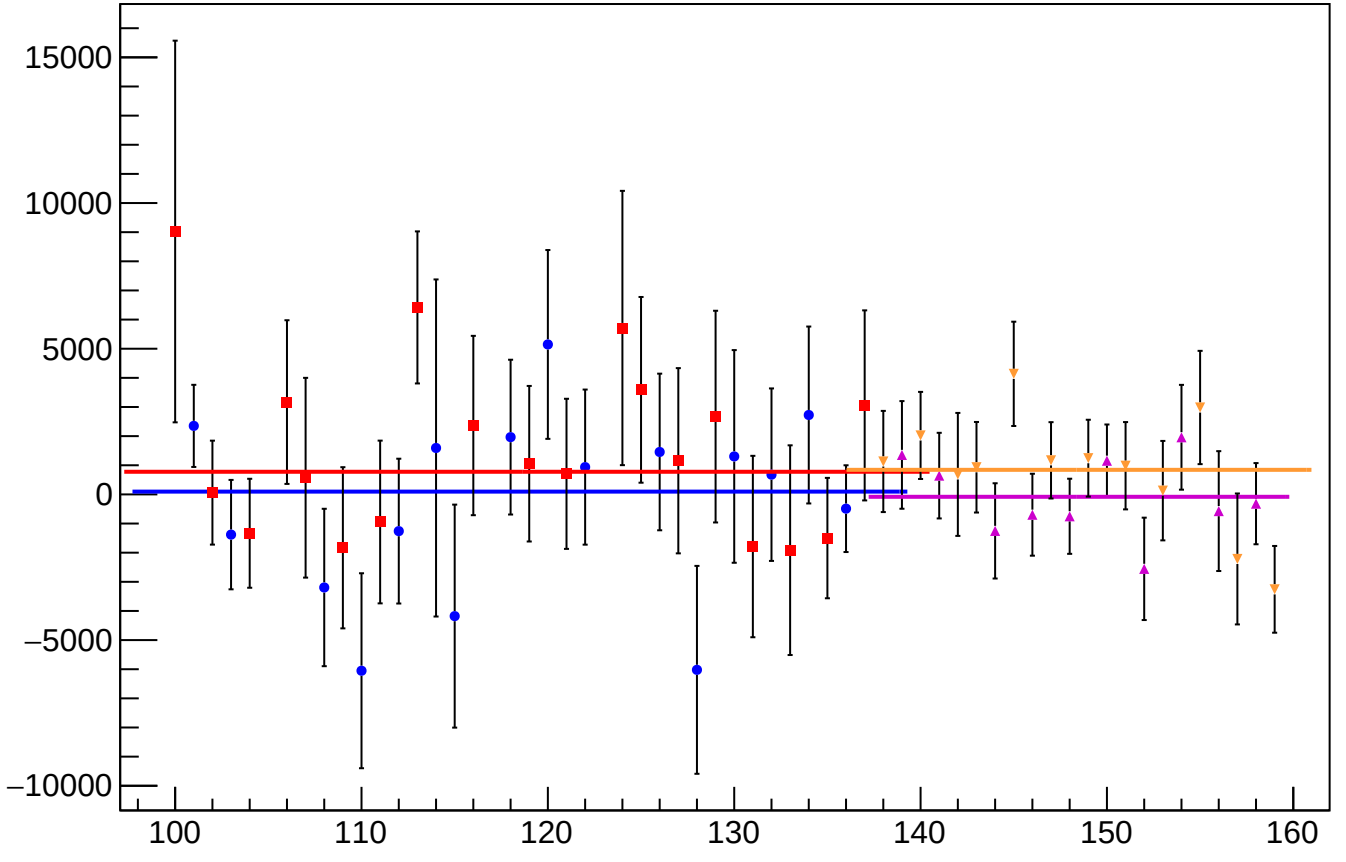
Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

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

All: 1101.617+/-0.136 χ^2/NDF: 28161.1/56

- sign 1102.623+/-0.193 χ^2/NDF: 11940.0/28

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

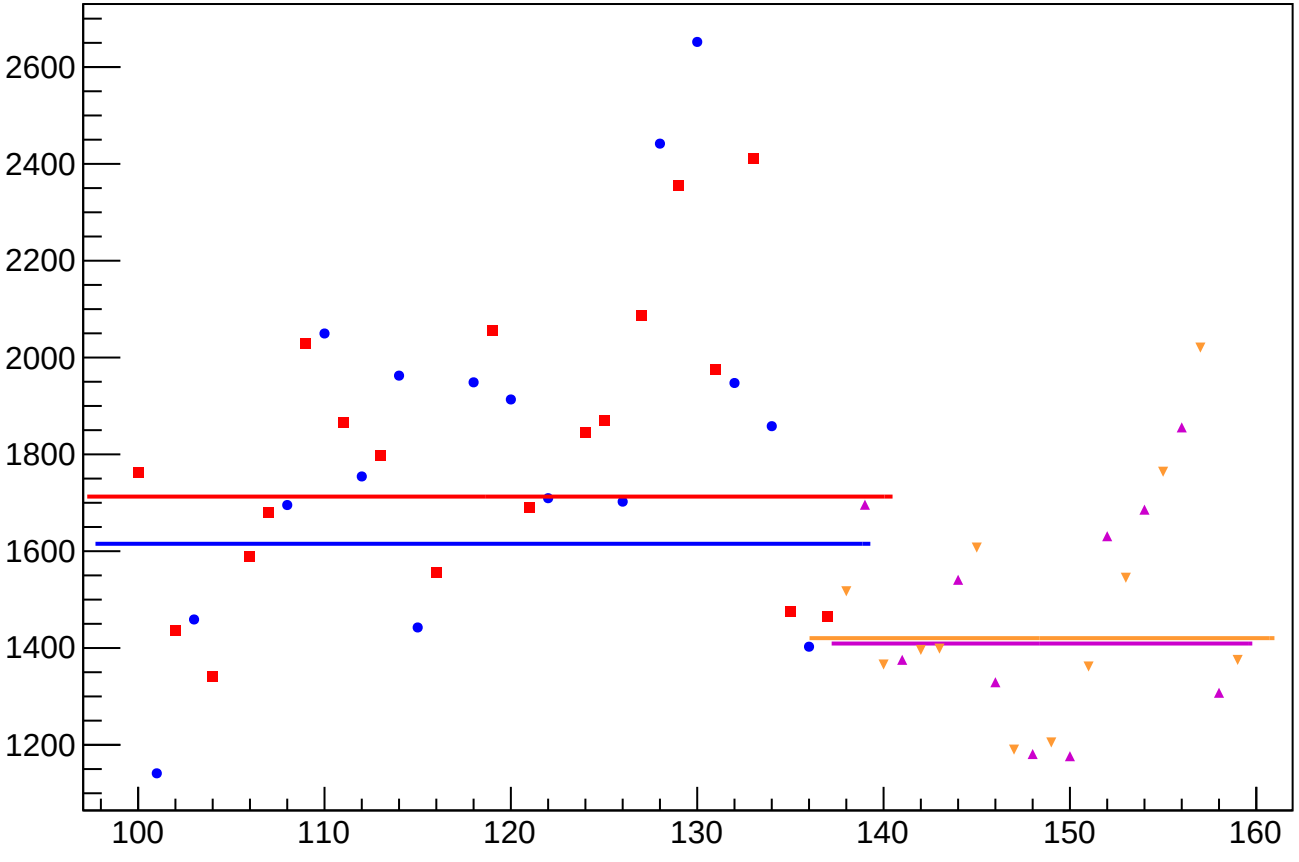
Left In: -82.224+/-483.959 χ^2/NDF:6.2/9

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

All: 407.831+/-267.818 χ^2/NDF: 55.7/56

- sign 232.246+/-385.349 χ^2/NDF: 22.4/28

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

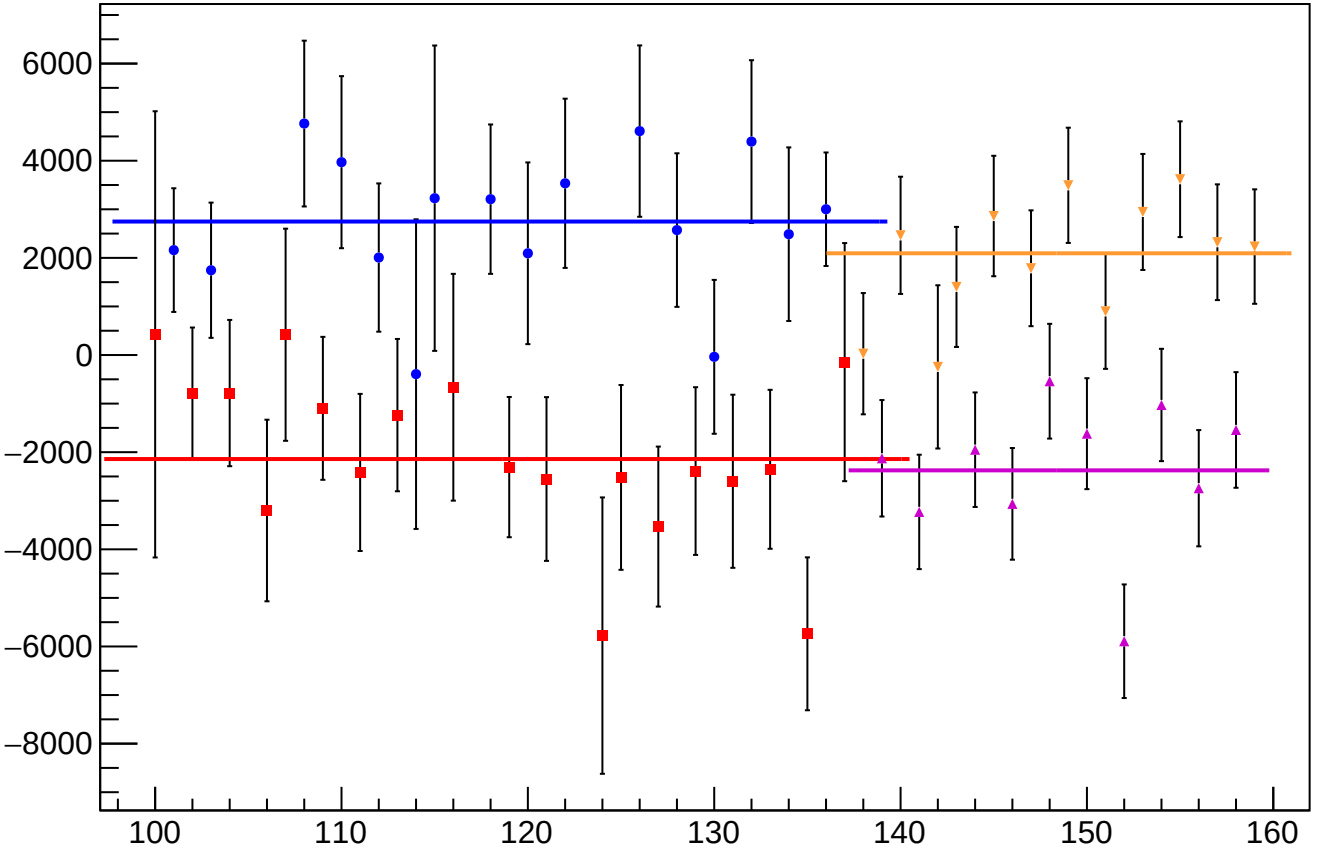
Left In: 1409.282+/-0.342 χ^2/NDF:385399.9/9

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

All: 1505.283+/-0.189 χ^2/NDF: 2294872.1/56

- sign 1520.368+/-0.272 χ^2/NDF: 1101372.2/28

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

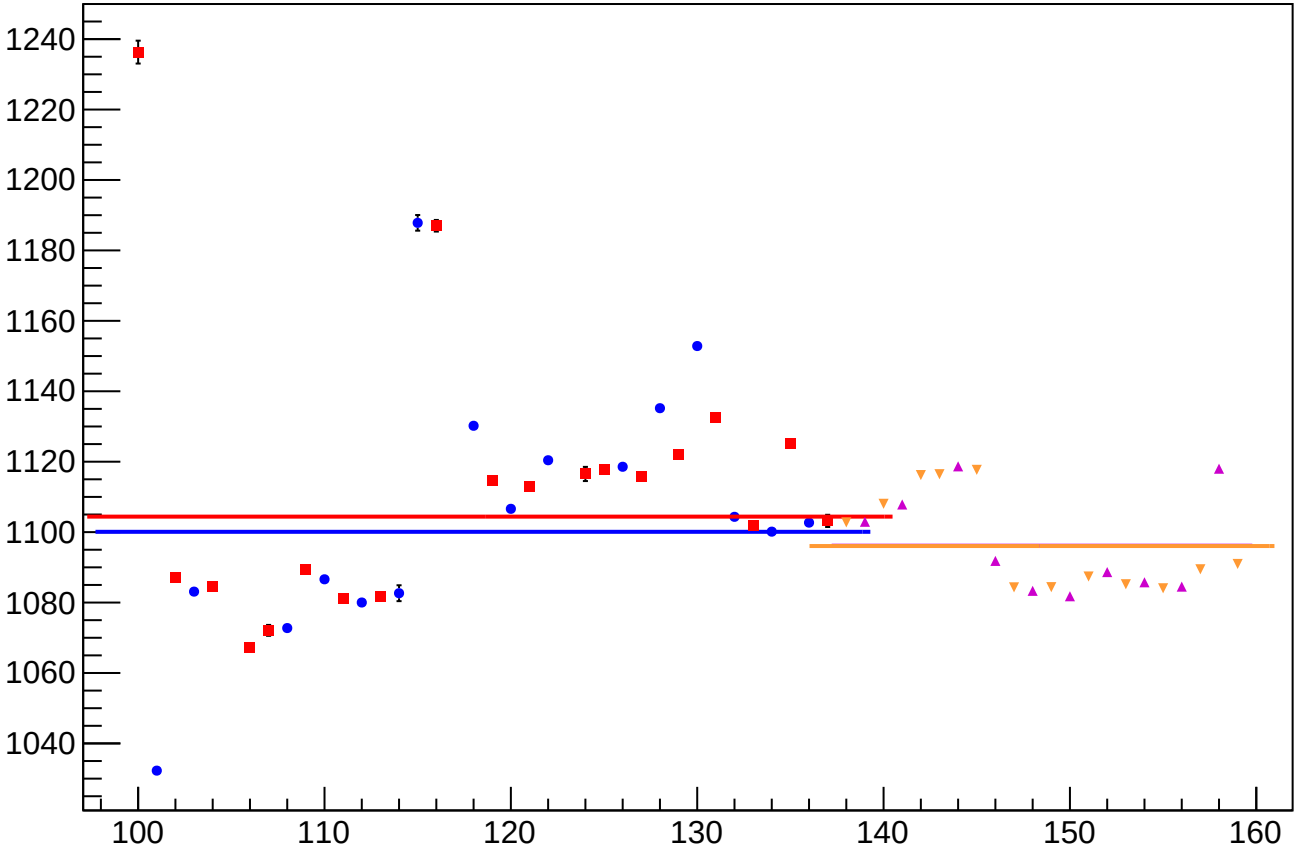
Left In: -2374.350+/-371.123 χ^2/NDF:14.9/9

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

All: 97.074+/-191.189 χ^2/NDF: 197.1/56

- sign -2267.285+/-272.933 χ^2/NDF: 28.6/28

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

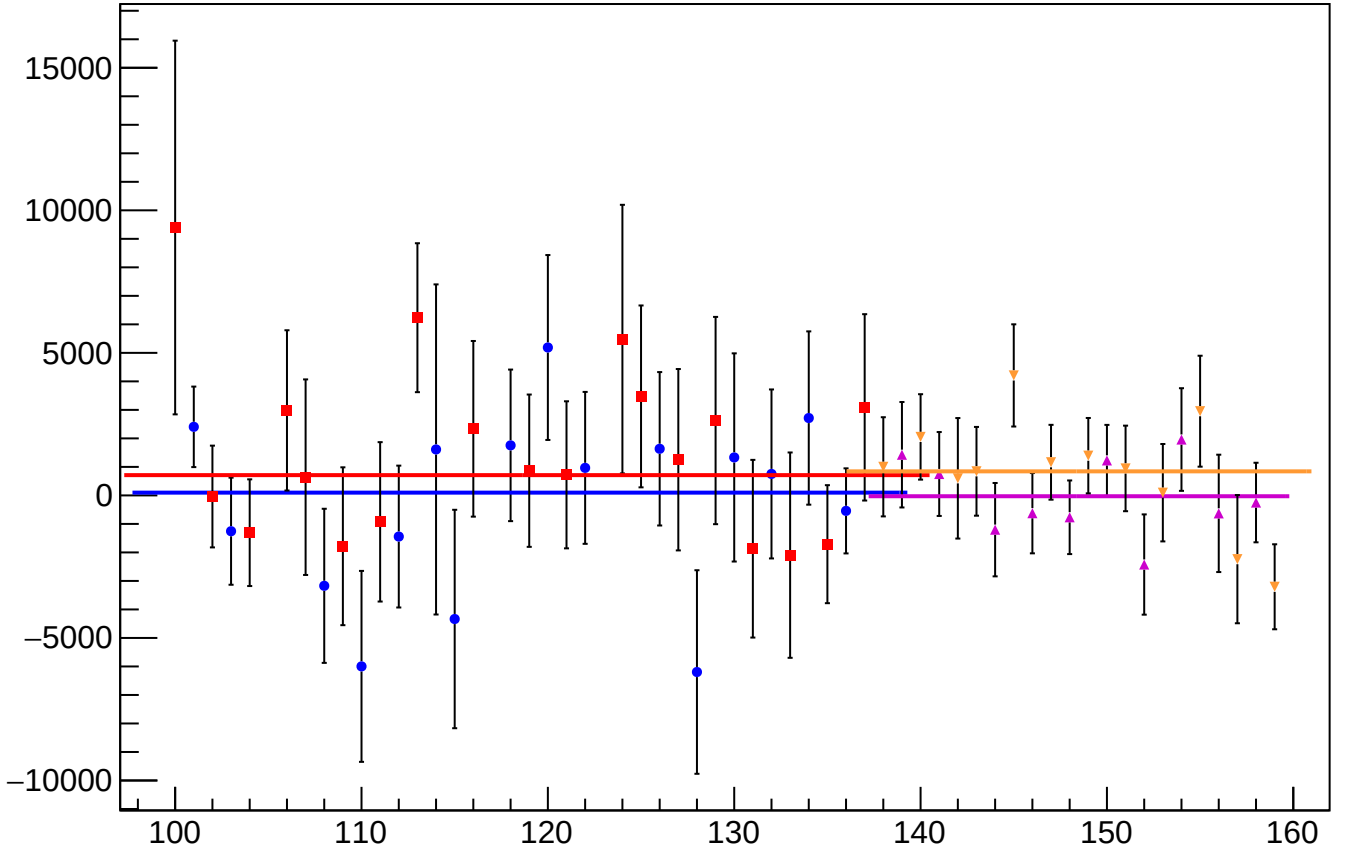
Left In: 1096.148+/-0.262 χ^2/NDF:2679.4/9

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

All: 1098.841+/-0.135 χ^2/NDF: 27587.7/56

- sign 1099.938+/-0.193 χ^2/NDF: 11677.3/28

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

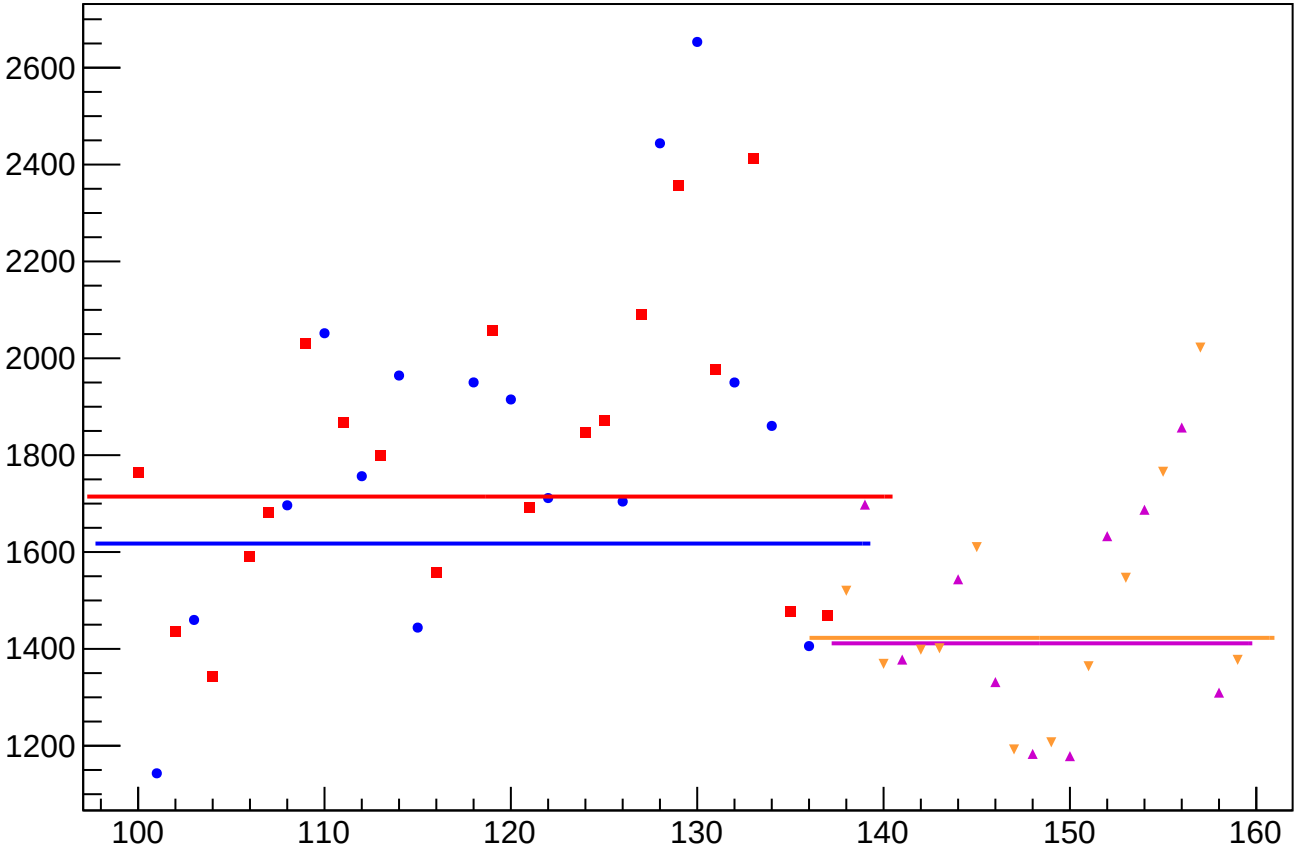
Left In: -29.024+/-484.685 χ^2/NDF:6.1/9

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

All: 412.947+/-268.194 χ^2/NDF: 55.5/56

\- sign 242.107+/-385.853 χ^2/NDF: 21.9/28

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

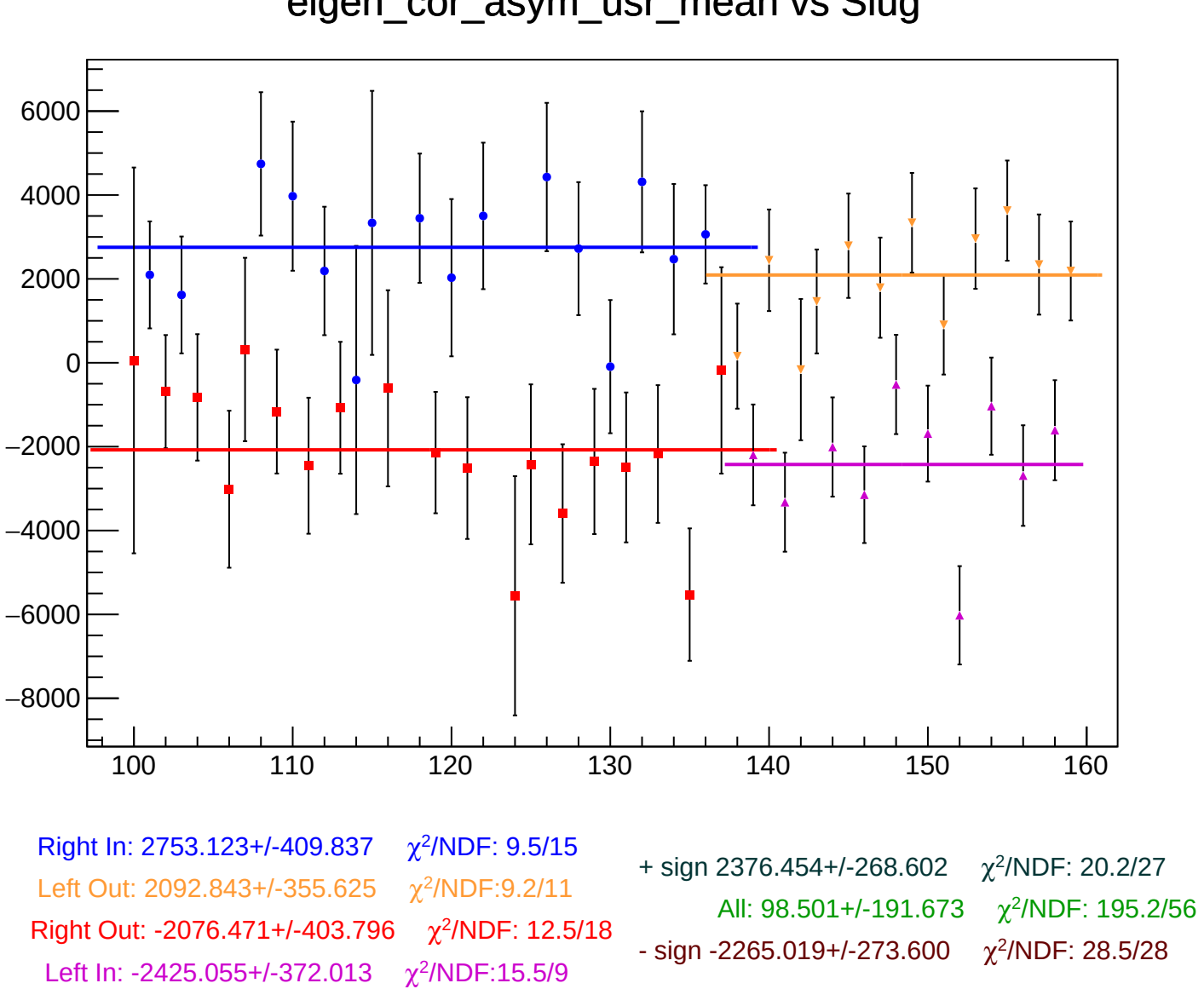
Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1411.476+/-0.343 χ^2/NDF:383904.2/9

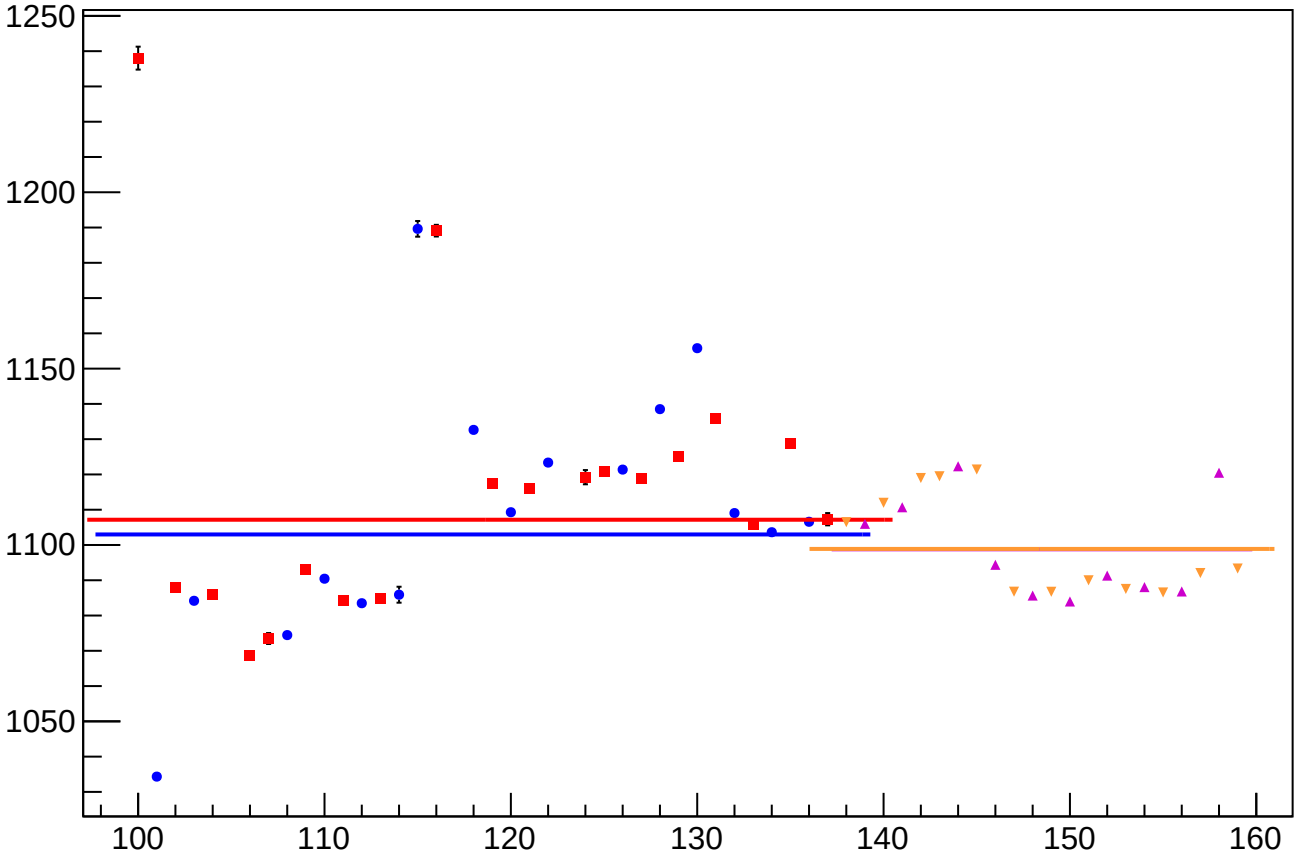
+ sign 1493.529+/-0.264 χ^2/NDF: 1183625.8/27

All: 1507.505+/-0.190 χ^2/NDF: 2287370.6/56

- sign 1522.458+/-0.273 χ^2/NDF: 1097934.0/28


eigen_cor_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 2092.843+/-355.625 χ²/NDF:9.2/11
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2425.055+/-372.013 χ²/NDF:15.5/9
+ sign 2376.454+/-268.602 χ²/NDF: 20.2/27
All: 98.501+/-191.673 χ²/NDF: 195.2/56
- sign -2265.019+/-273.600 χ²/NDF: 28.5/28

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

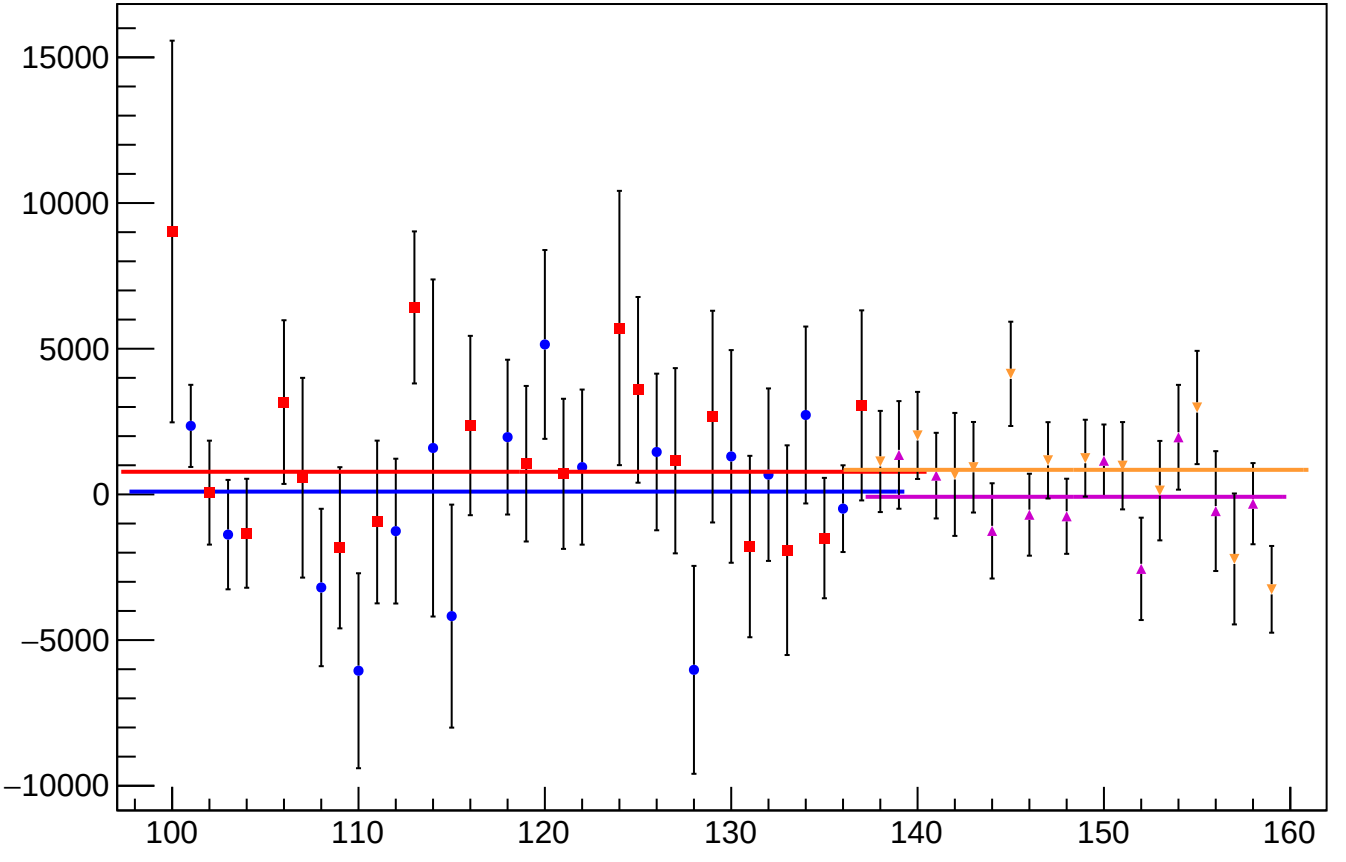
Left In: 1098.773+/-0.263 χ^2/NDF:2790.0/9

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

All: 1101.617+/-0.136 χ^2/NDF: 28161.1/56

- sign 1102.623+/-0.193 χ^2/NDF: 11940.0/28

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

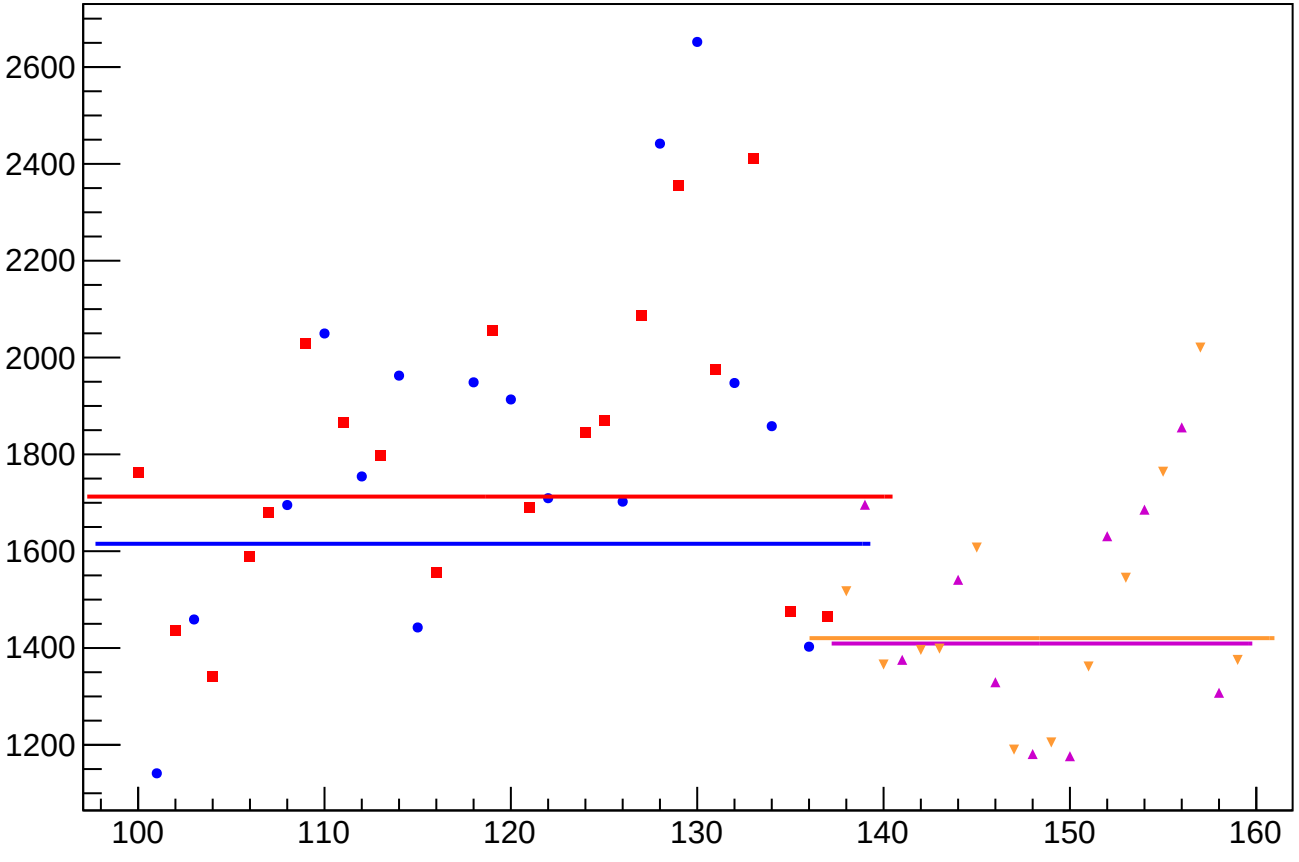
Left In: -82.224+/-483.959 χ^2/NDF:6.2/9

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

All: 407.831+/-267.818 χ^2/NDF: 55.7/56

\- sign 232.246+/-385.349 χ^2/NDF: 22.4/28

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

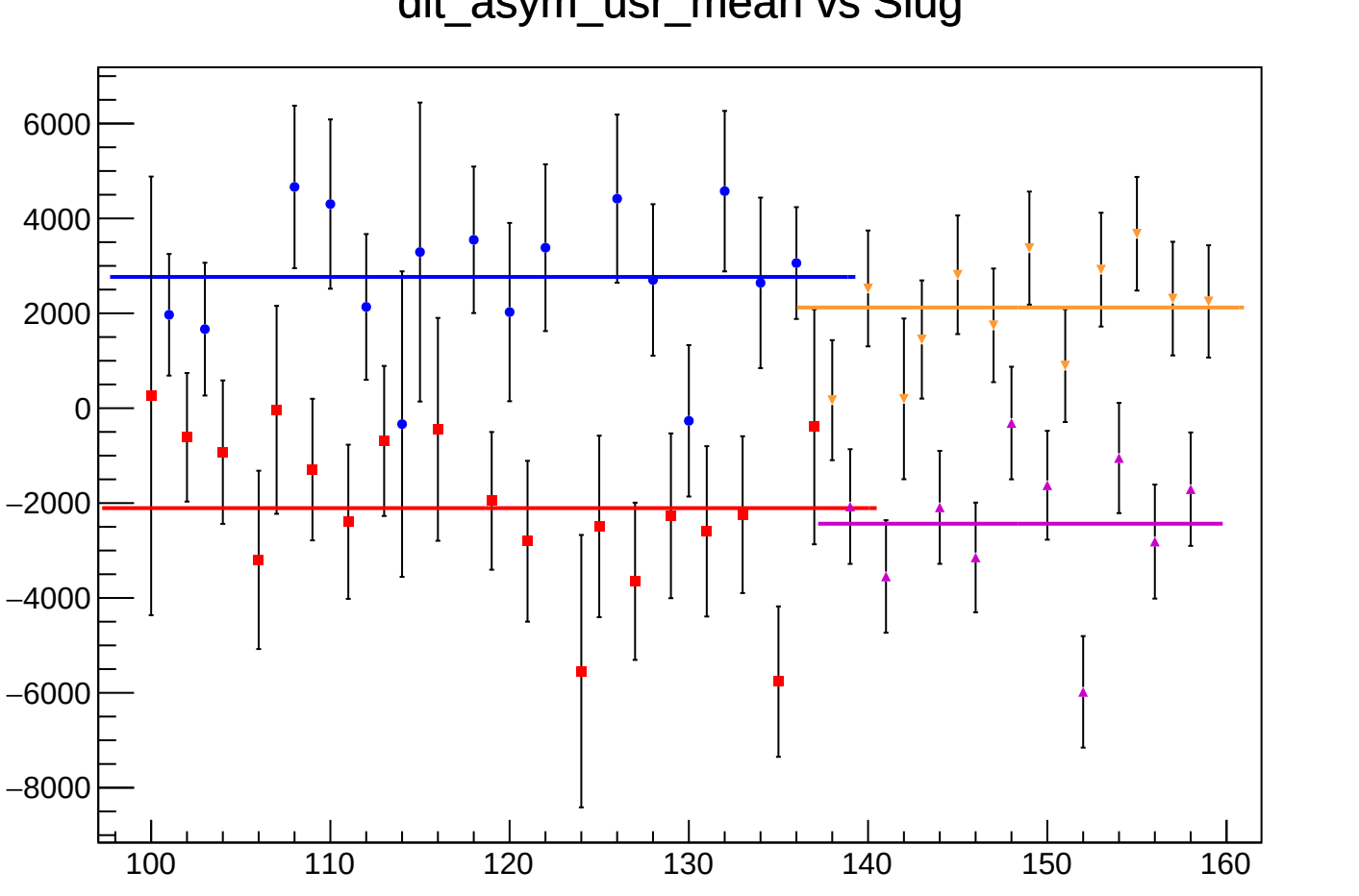
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1409.282+/-0.342 χ^2/NDF:385399.9/9

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

All: 1505.283+/-0.189 χ^2/NDF: 2294872.1/56

- sign 1520.368+/-0.272 χ^2/NDF: 1101372.2/28



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

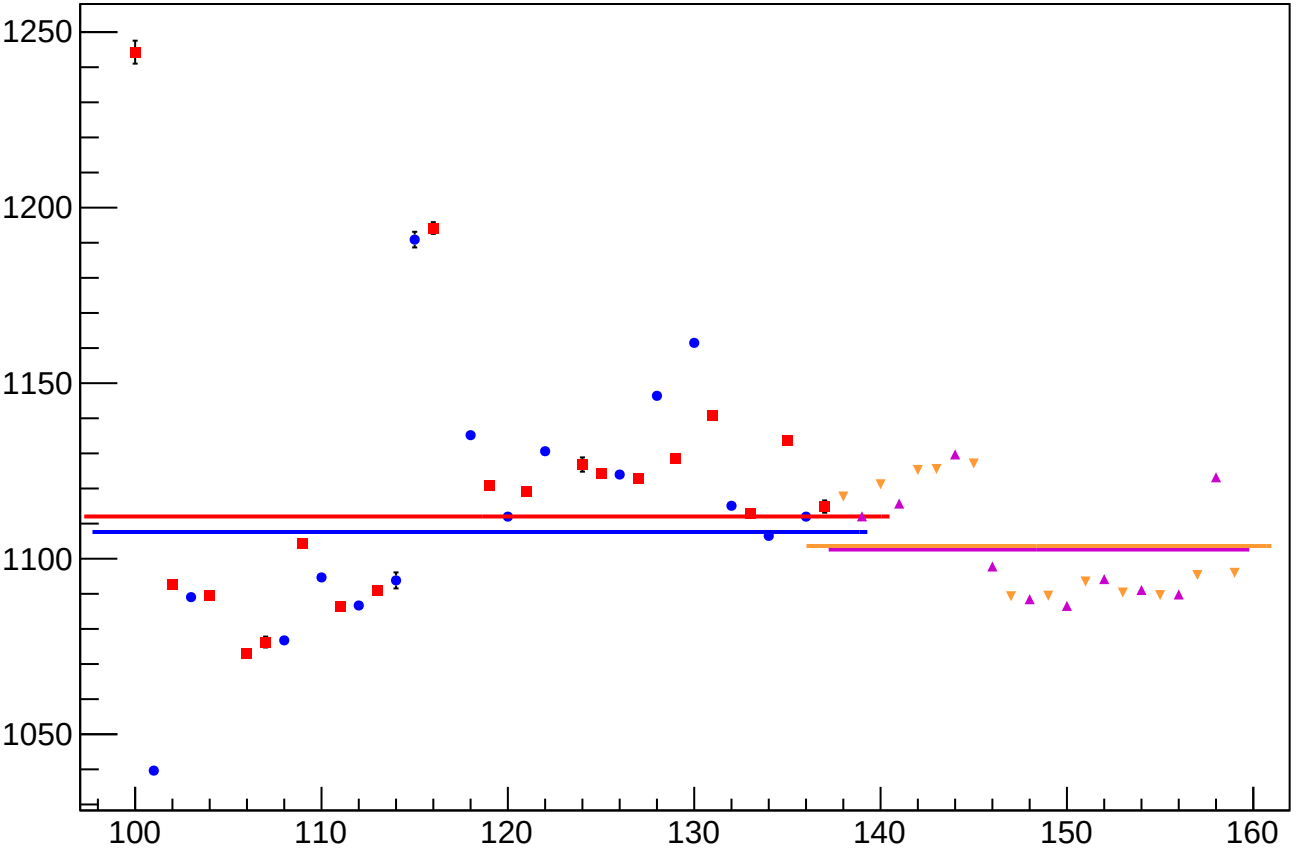
Left In: -2435.046+/-373.322 χ^2/NDF:16.1/9

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

All: 99.818+/-192.461 χ^2/NDF: 198.3/56

- sign -2284.293+/-274.678 χ^2/NDF: 29.8/28

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

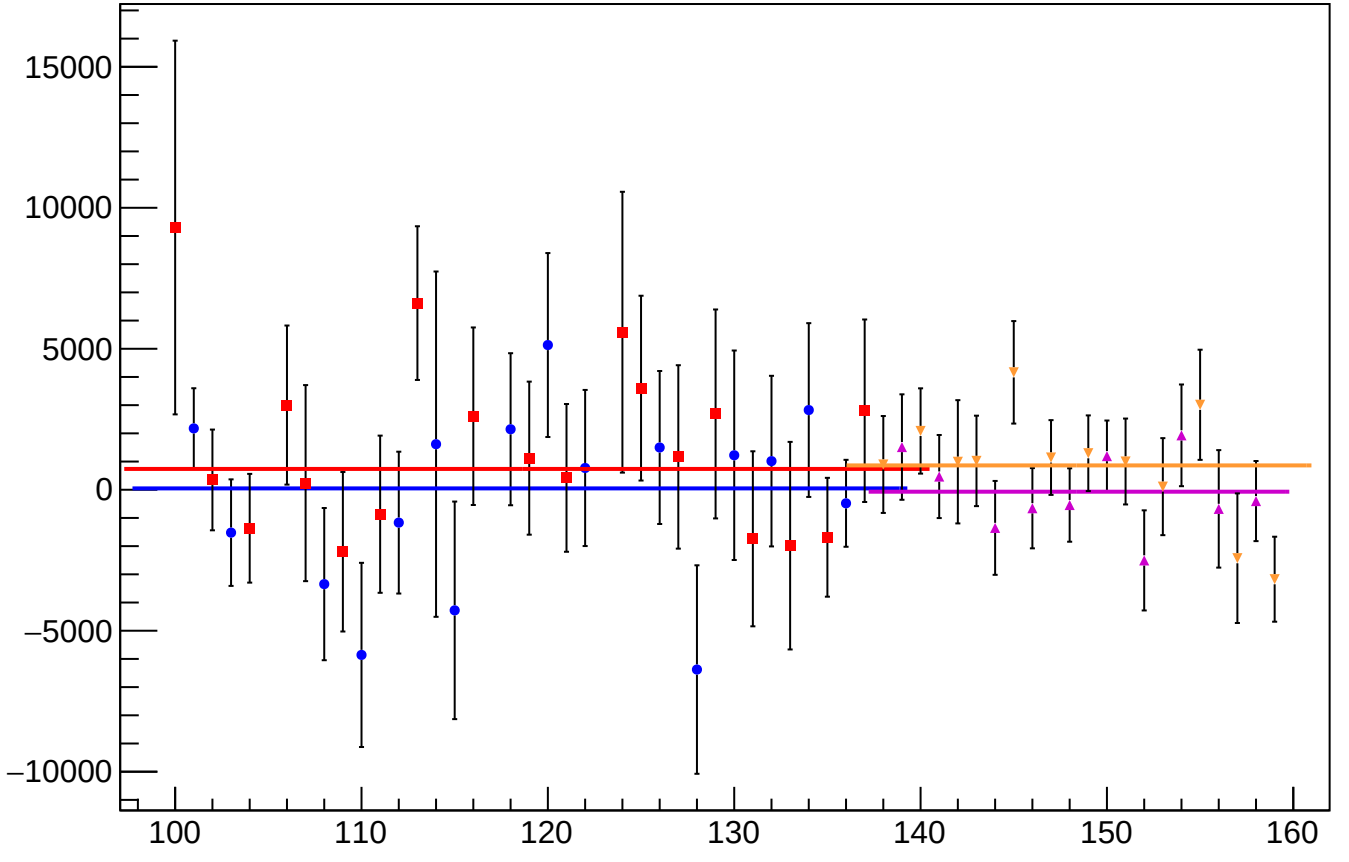
Left In: 1102.613+/-0.264 χ^2/NDF:3232.0/9

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

All: 1106.118+/-0.136 χ^2/NDF: 29556.6/56

- sign 1106.932+/-0.194 χ^2/NDF: 12469.1/28

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

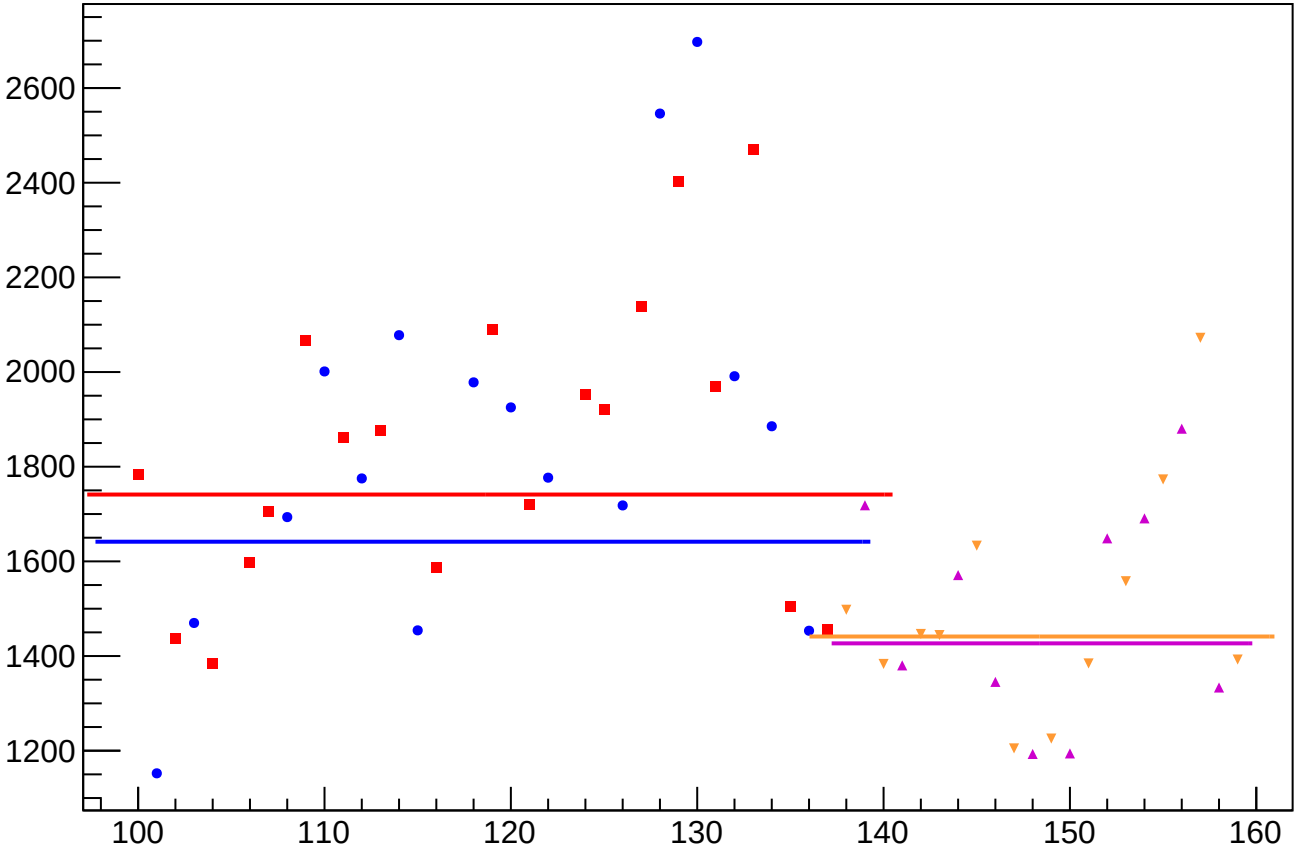
Left In: -69.354+/-489.738 χ^2/NDF:6.0/9

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

All: 401.707+/-271.682 χ^2/NDF: 55.0/56

- sign 224.335+/-390.661 χ^2/NDF: 21.9/28

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

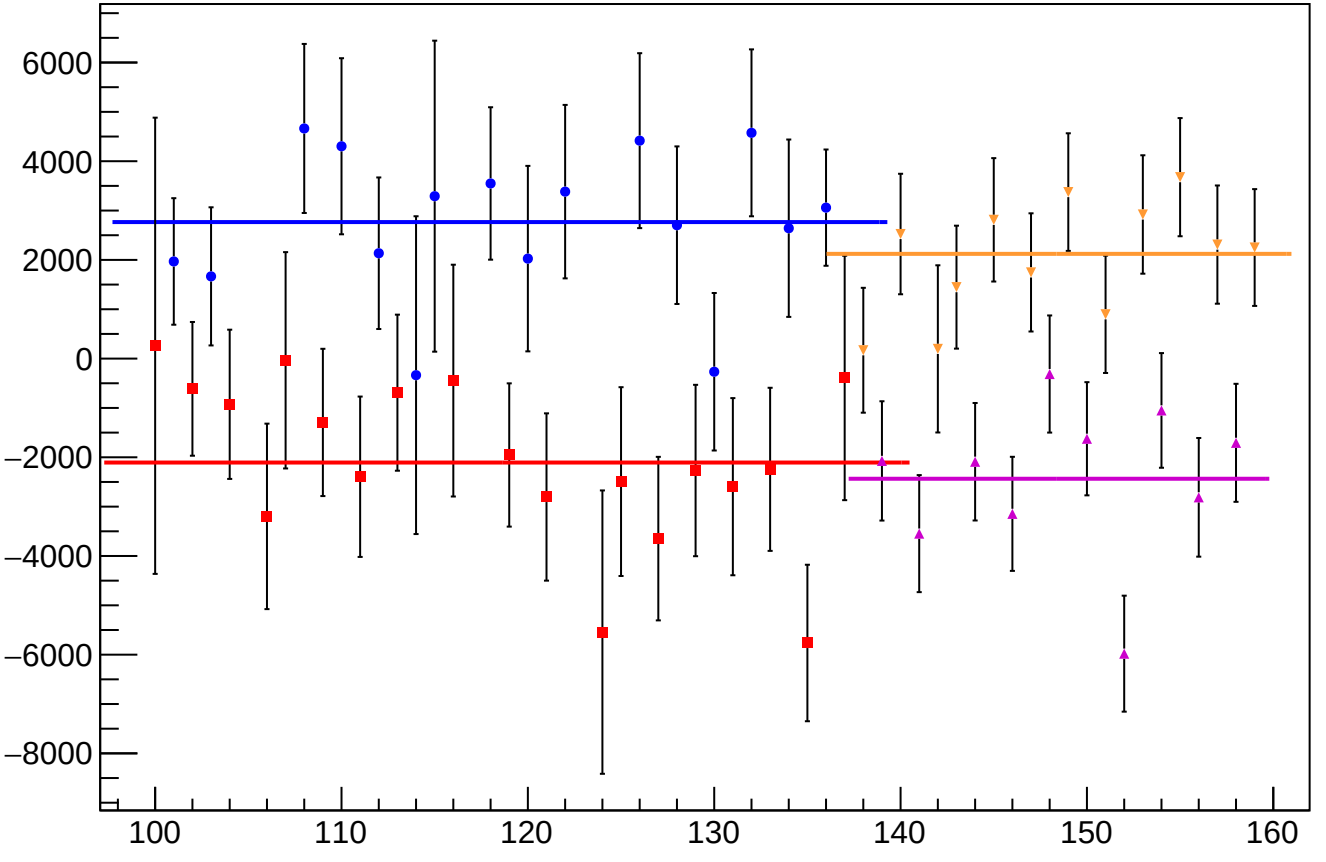
Left In: 1426.767+/-0.346 χ^2/NDF:382008.5/9

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

All: 1527.030+/-0.192 χ^2/NDF: 2321434.7/56

- sign 1541.121+/-0.276 χ^2/NDF: 1120181.0/28

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

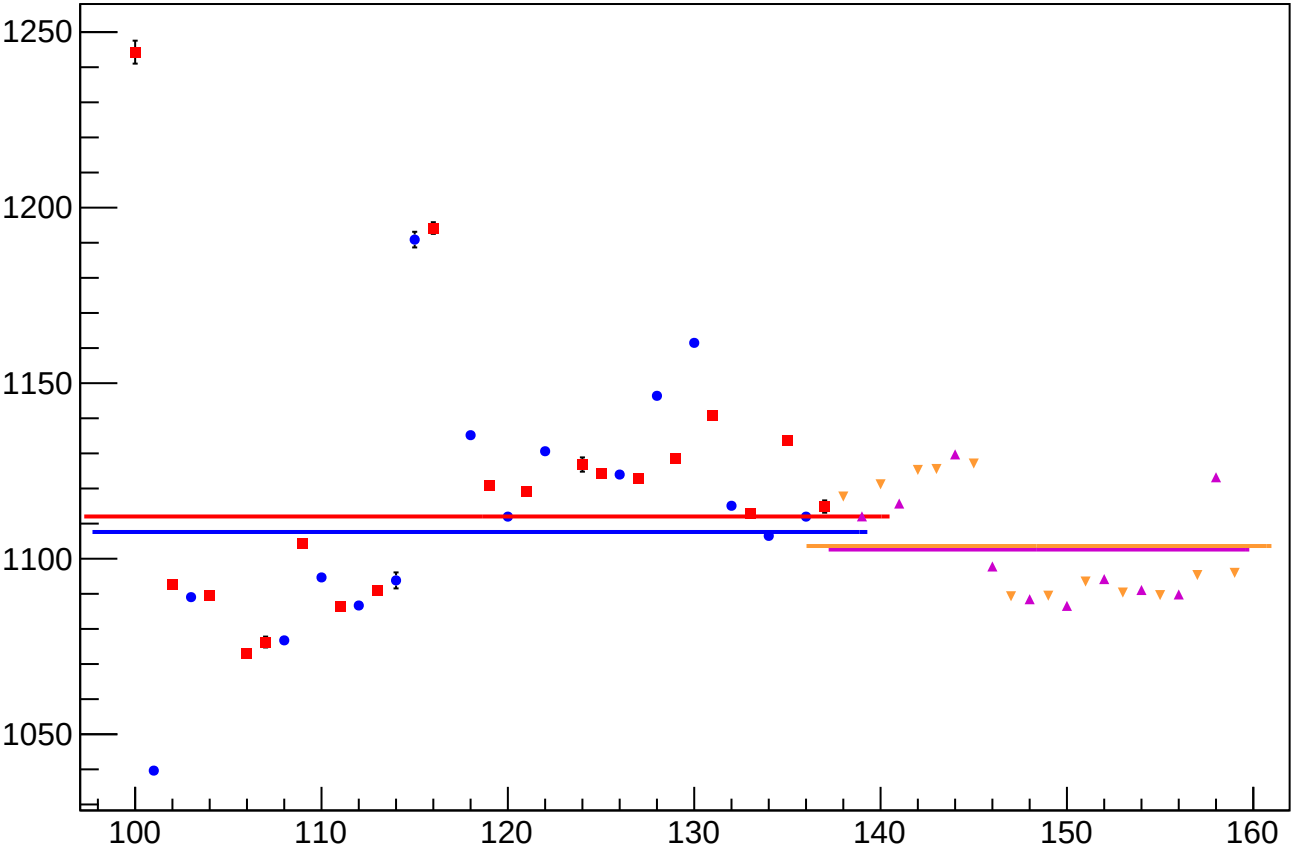
Left In: -2435.046+/-373.322 χ^2/NDF:16.1/9

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

All: 99.817+/-192.461 χ^2/NDF: 198.3/56

- sign -2284.295+/-274.677 χ^2/NDF: 29.8/28

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

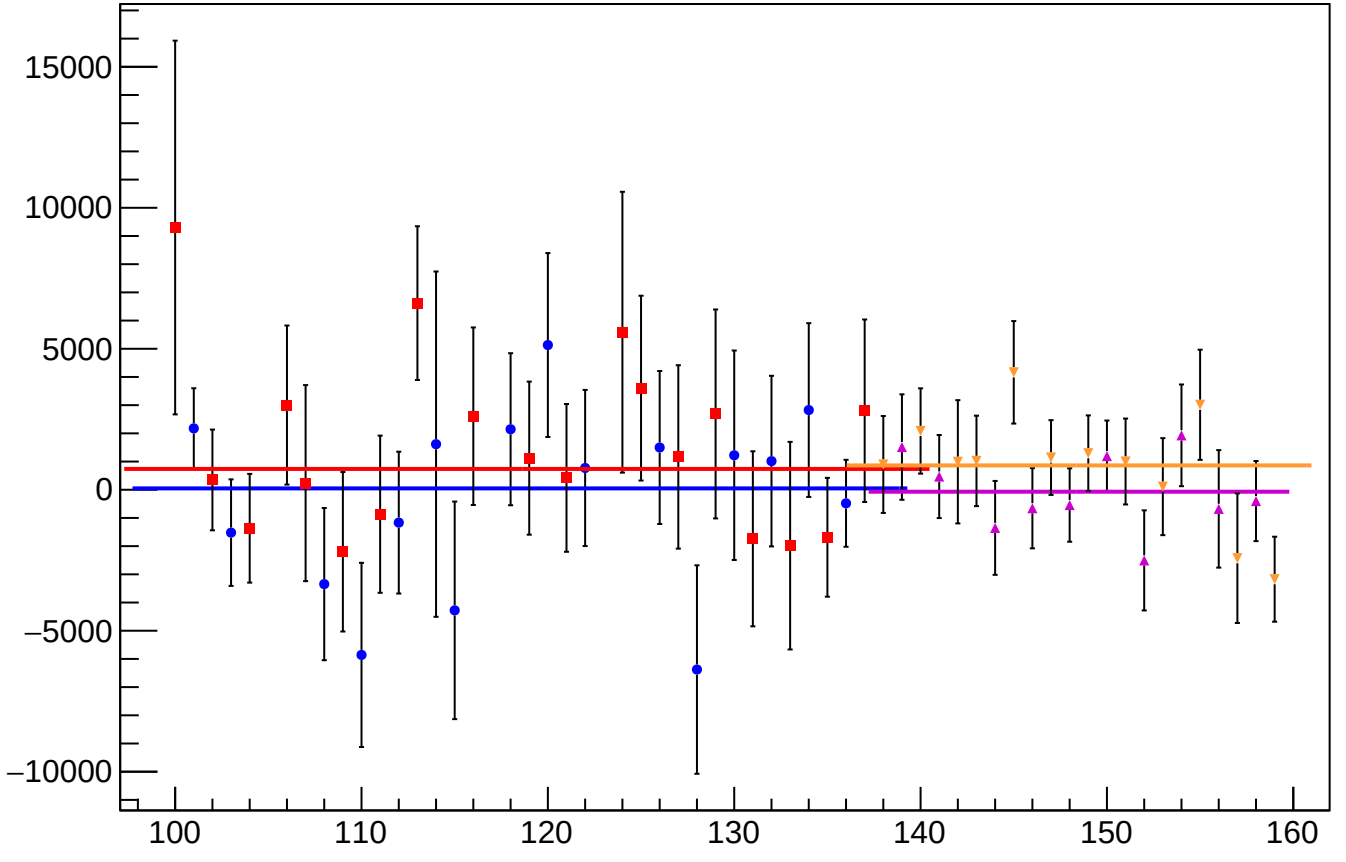
Left In: 1102.613+/-0.264 χ^2/NDF:3232.0/9

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

All: 1106.118+/-0.136 χ^2/NDF: 29556.5/56

- sign 1106.932+/-0.194 χ^2/NDF: 12469.1/28

asym_usr_eigen_dit_correction_mean vs Slug



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

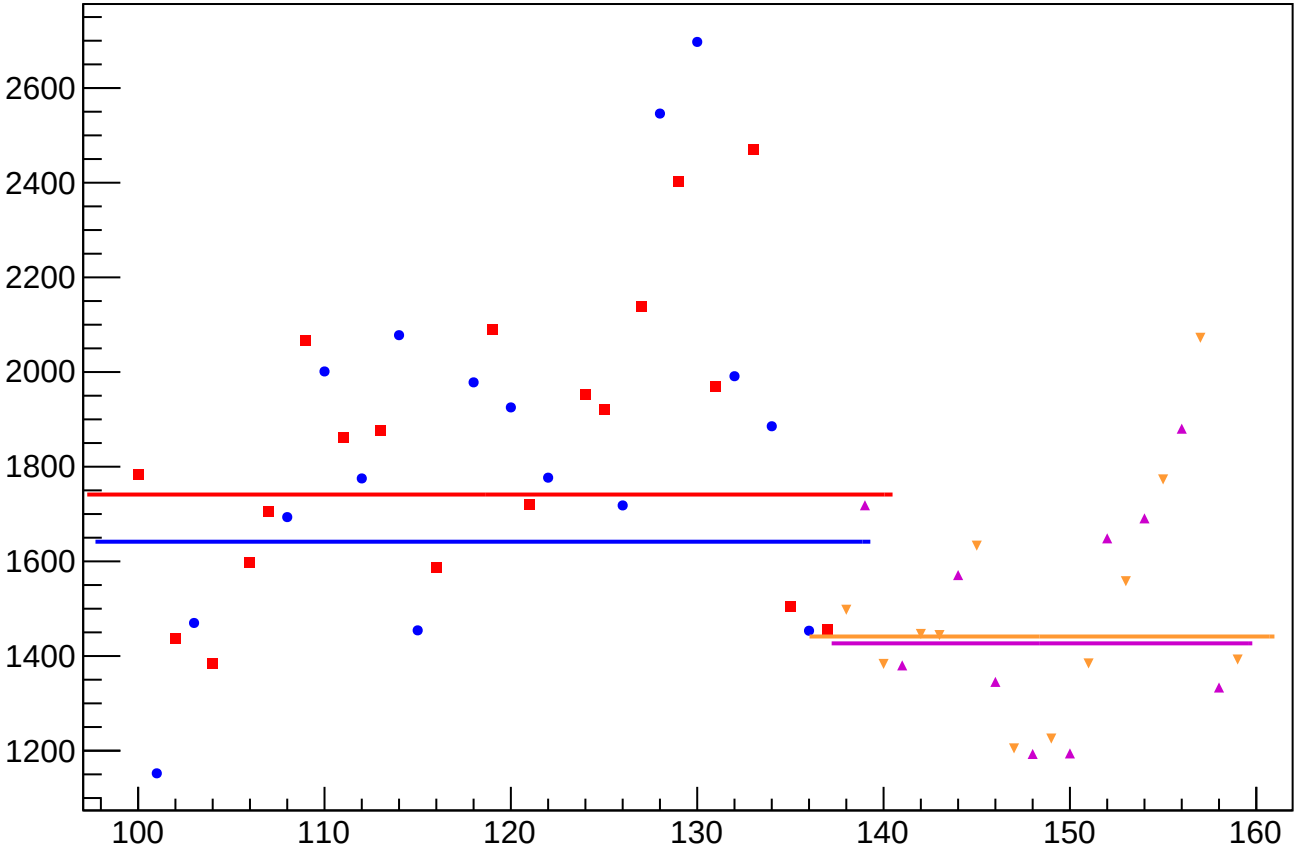
Left In: -69.355+/-489.739 χ^2/NDF:6.0/9

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

All: 401.707+/-271.682 χ^2/NDF: 55.0/56

- sign 224.337+/-390.661 χ^2/NDF: 21.9/28

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

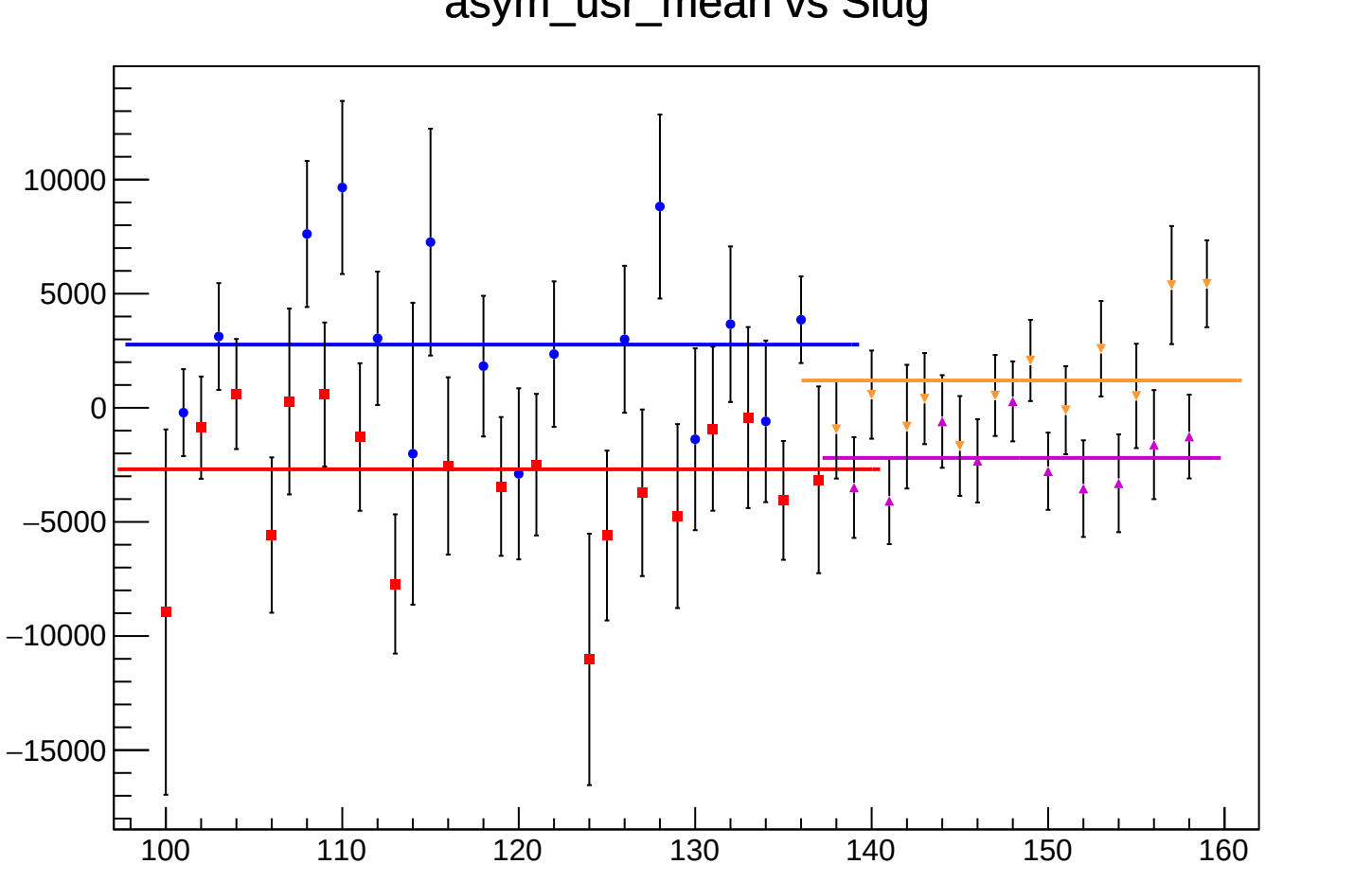
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1426.770+/-0.346 χ^2/NDF:382013.5/9

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

All: 1527.032+/-0.192 χ^2/NDF: 2321403.8/56

- sign 1541.123+/-0.276 χ^2/NDF: 1120164.7/28



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

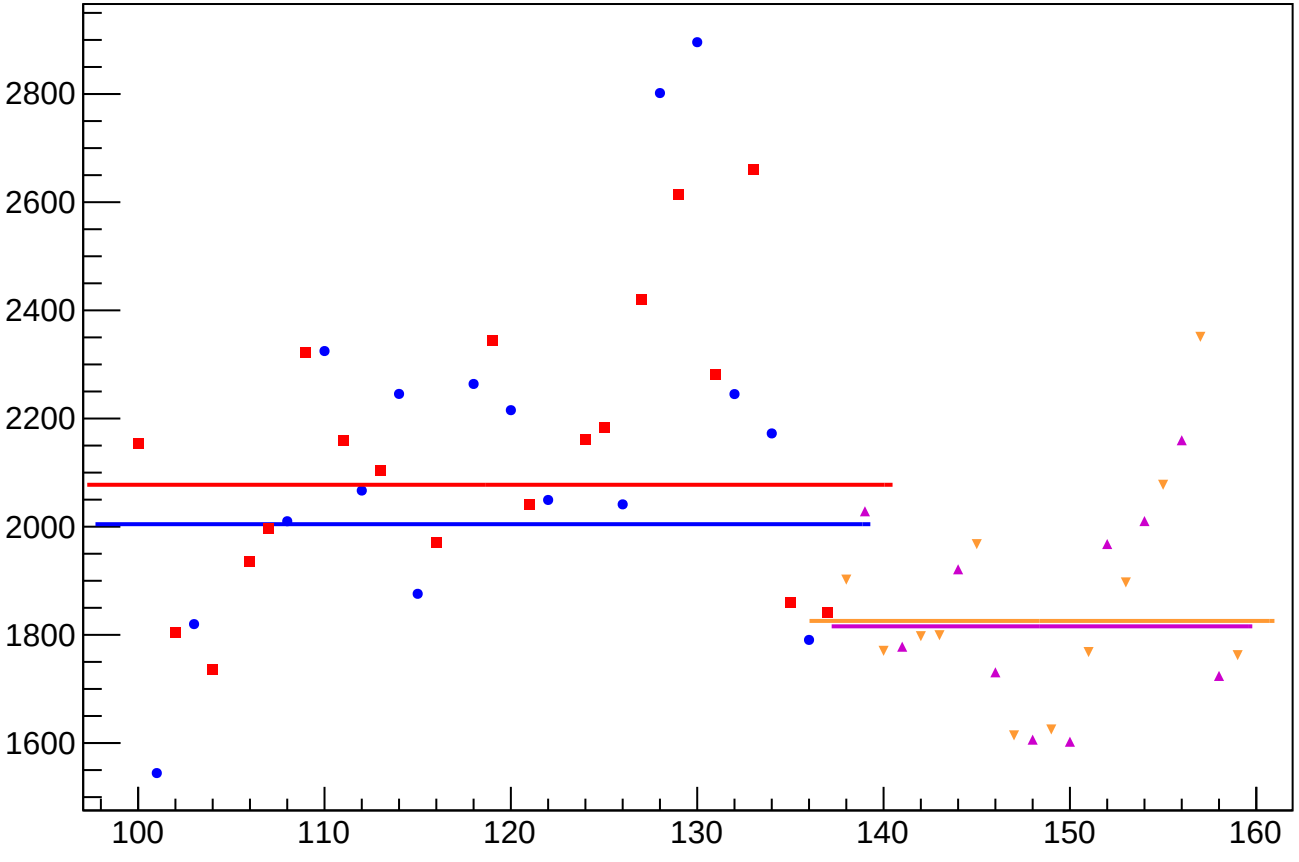
Left In: -2196.316+/-618.402 χ^2/NDF:5.1/9

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

All: -238.088+/-335.393 χ^2/NDF: 88.4/56

- sign -2392.228+/-481.109 χ^2/NDF: 17.9/28

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

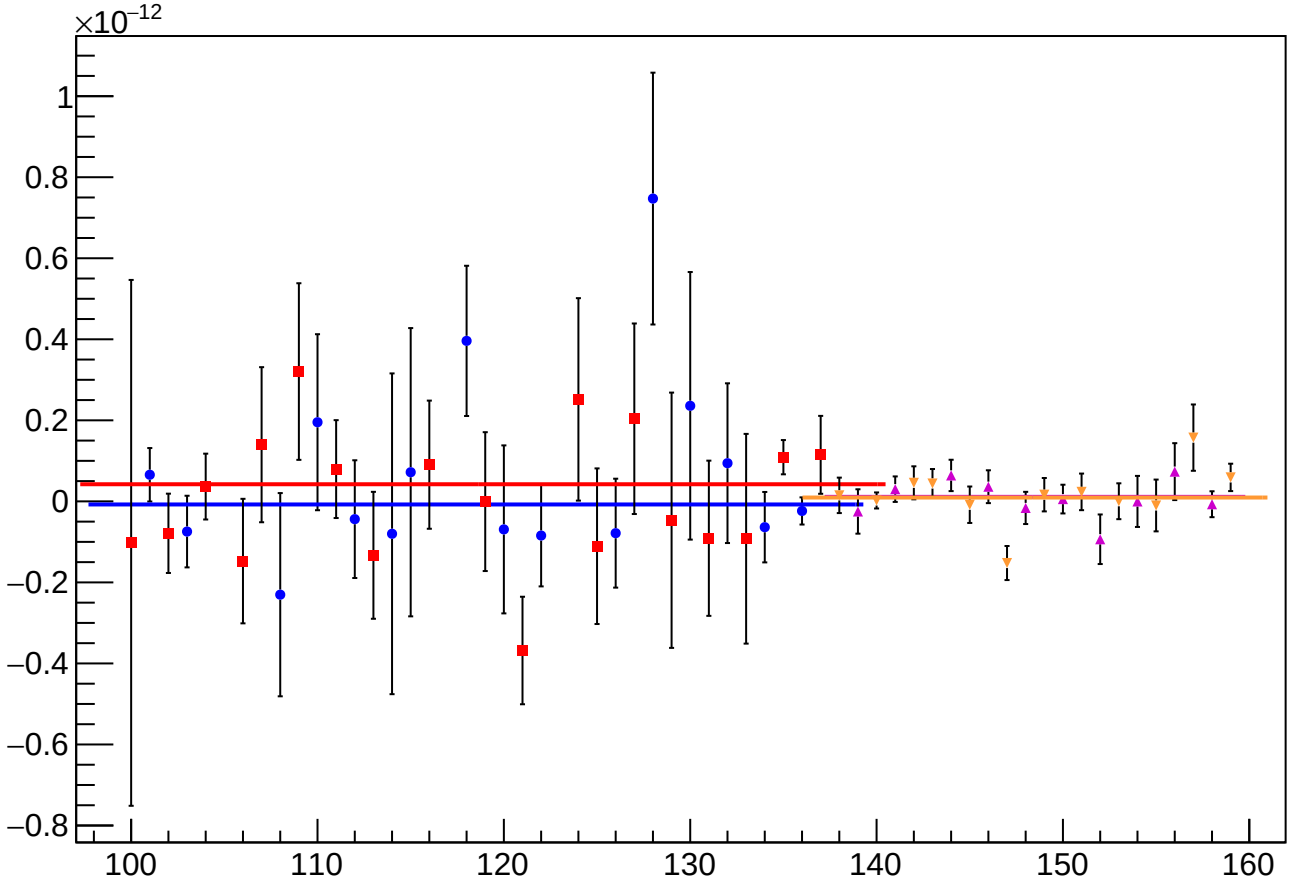
Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1815.745+/-0.437 χ^2/NDF:162805.9/9

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

All: 1906.214+/-0.237 χ^2/NDF: 1174035.4/56

- sign 1919.069+/-0.340 χ^2/NDF: 534732.7/28



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

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

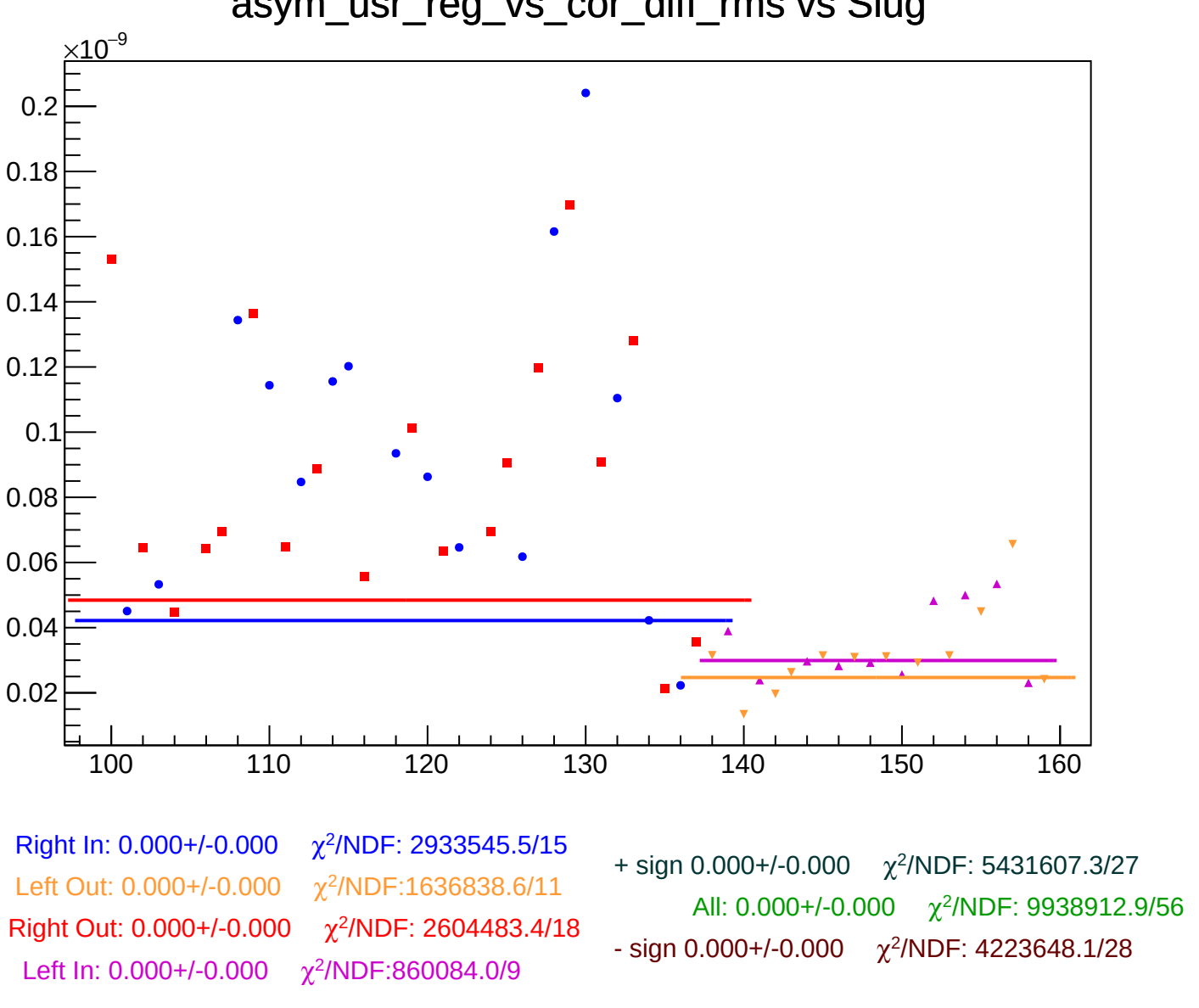
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/9

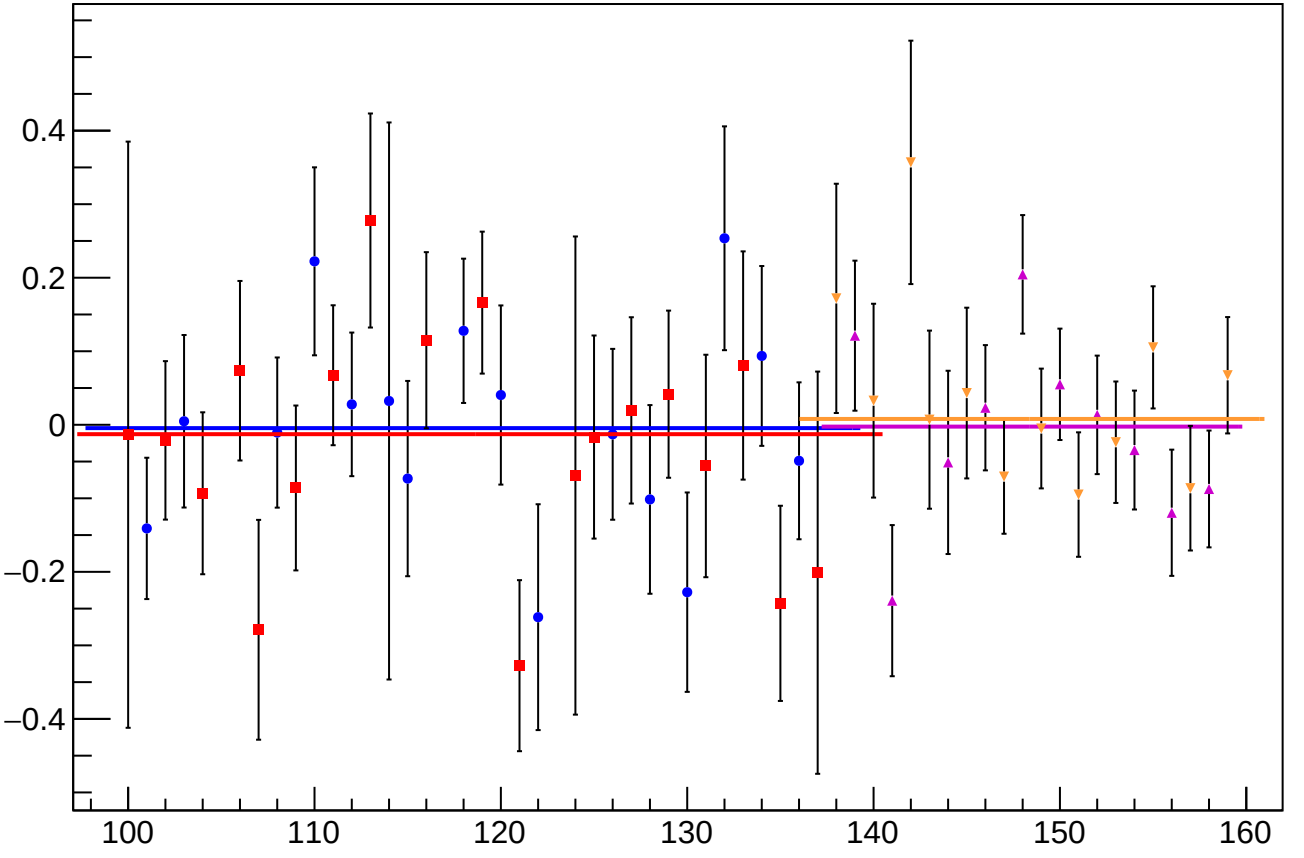
+ sign 0.000+/-0.000 χ^2/NDF: 39.4/27

All: 0.000+/-0.000 χ^2/NDF: 70.3/56

- sign 0.000+/-0.000 χ^2/NDF: 30.5/28


asym_usr_reg_vs_cor_diff_rms vs Slug
×10^-9
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2933545.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1636838.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 2604483.4/18
Left In: 0.000+/-0.000 χ²/NDF:860084.0/9
+ sign 0.000+/-0.000 χ²/NDF: 5431607.3/27
All: 0.000+/-0.000 χ²/NDF: 9938912.9/56
- sign 0.000+/-0.000 χ²/NDF: 4223648.1/28

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

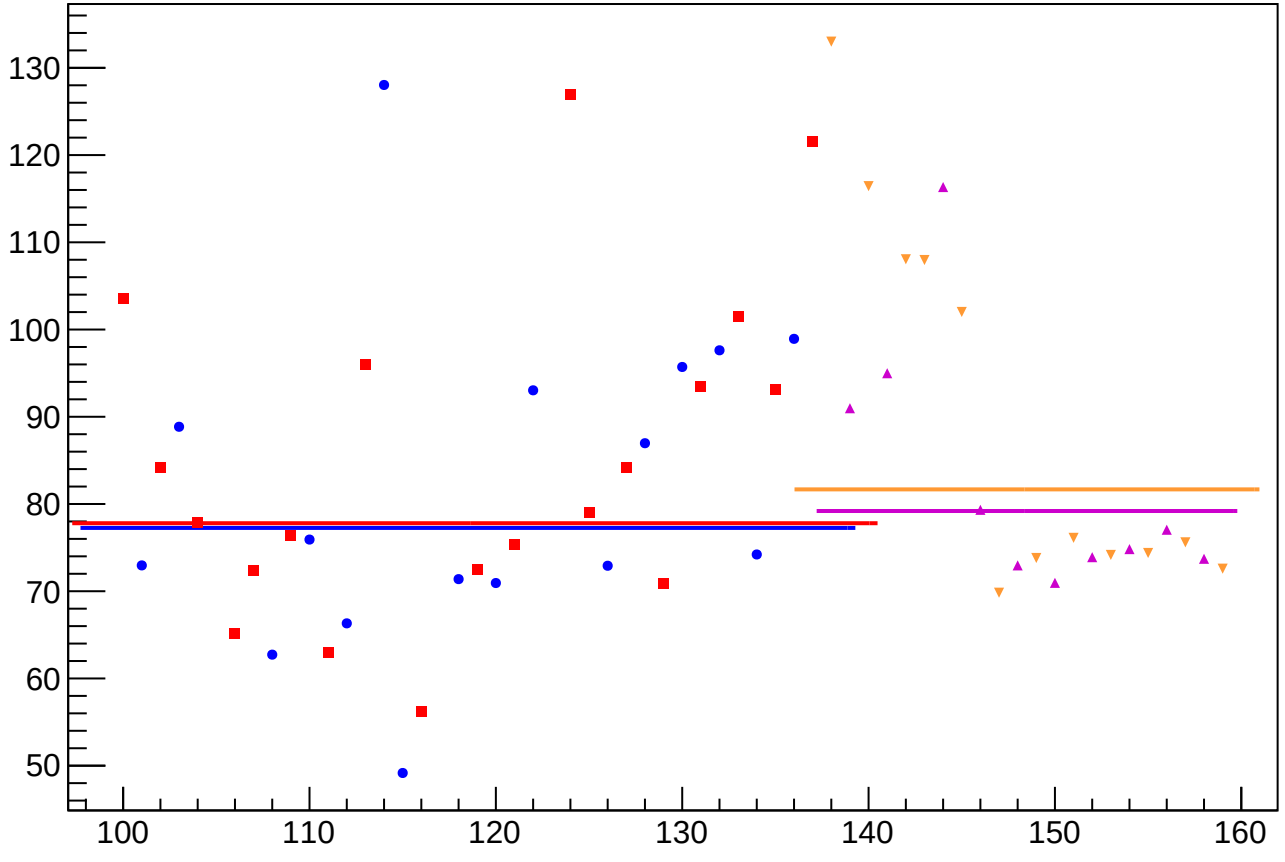
Left In: -0.002+/-0.027 χ^2/NDF:17.4/9

+ sign 0.002+/-0.020 χ^2/NDF: 28.9/27

All: -0.003+/-0.014 χ^2/NDF: 71.9/56

- sign -0.007+/-0.020 χ^2/NDF: 42.9/28

asym_usr_dit_vs_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

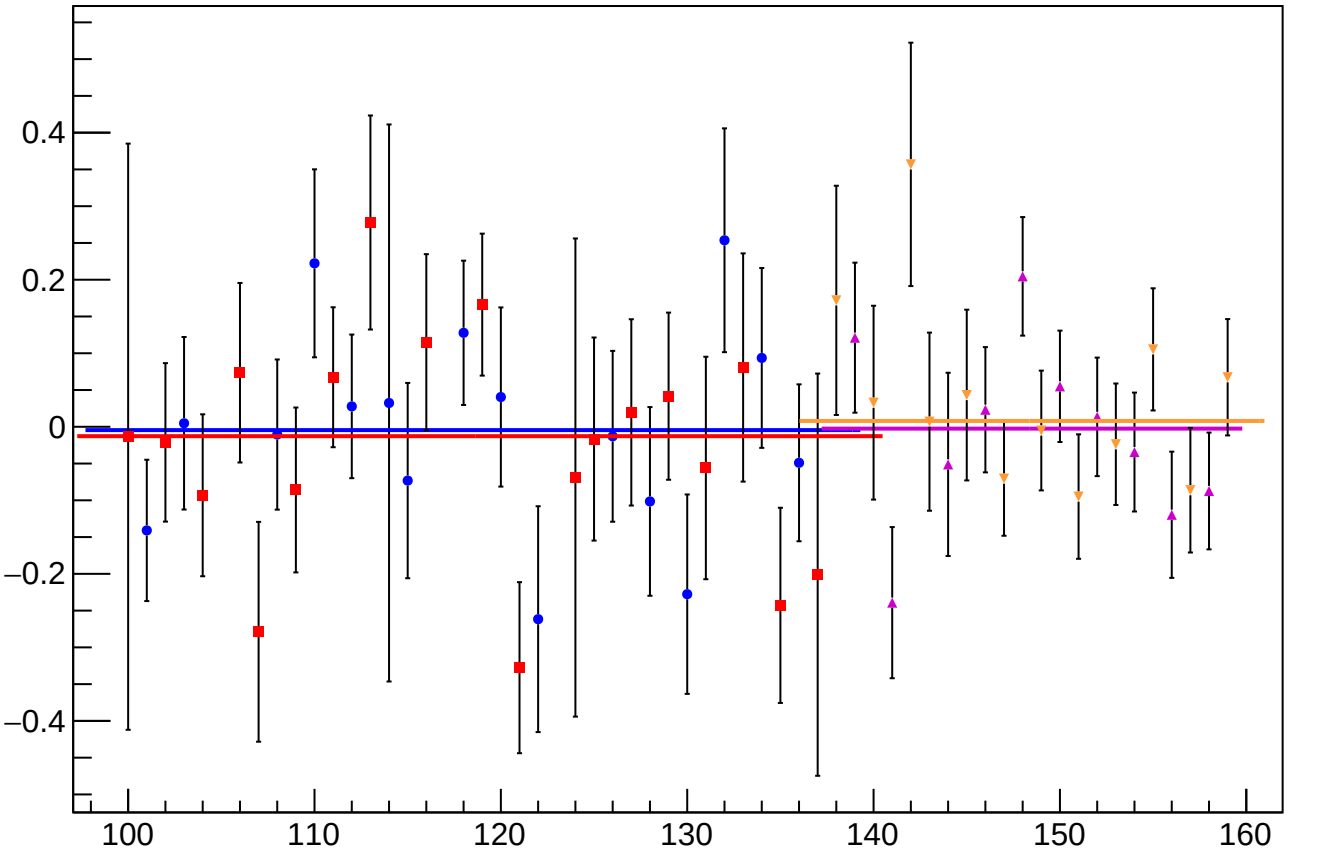
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.197+/-0.019 χ^2/NDF:312353.1/9

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

All: 79.105+/-0.010 χ^2/NDF: 1861779.7/56

- sign 78.551+/-0.014 χ^2/NDF: 711224.2/28



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

Left Out: 0.008+/-0.027 χ^2/NDF:11.5/11

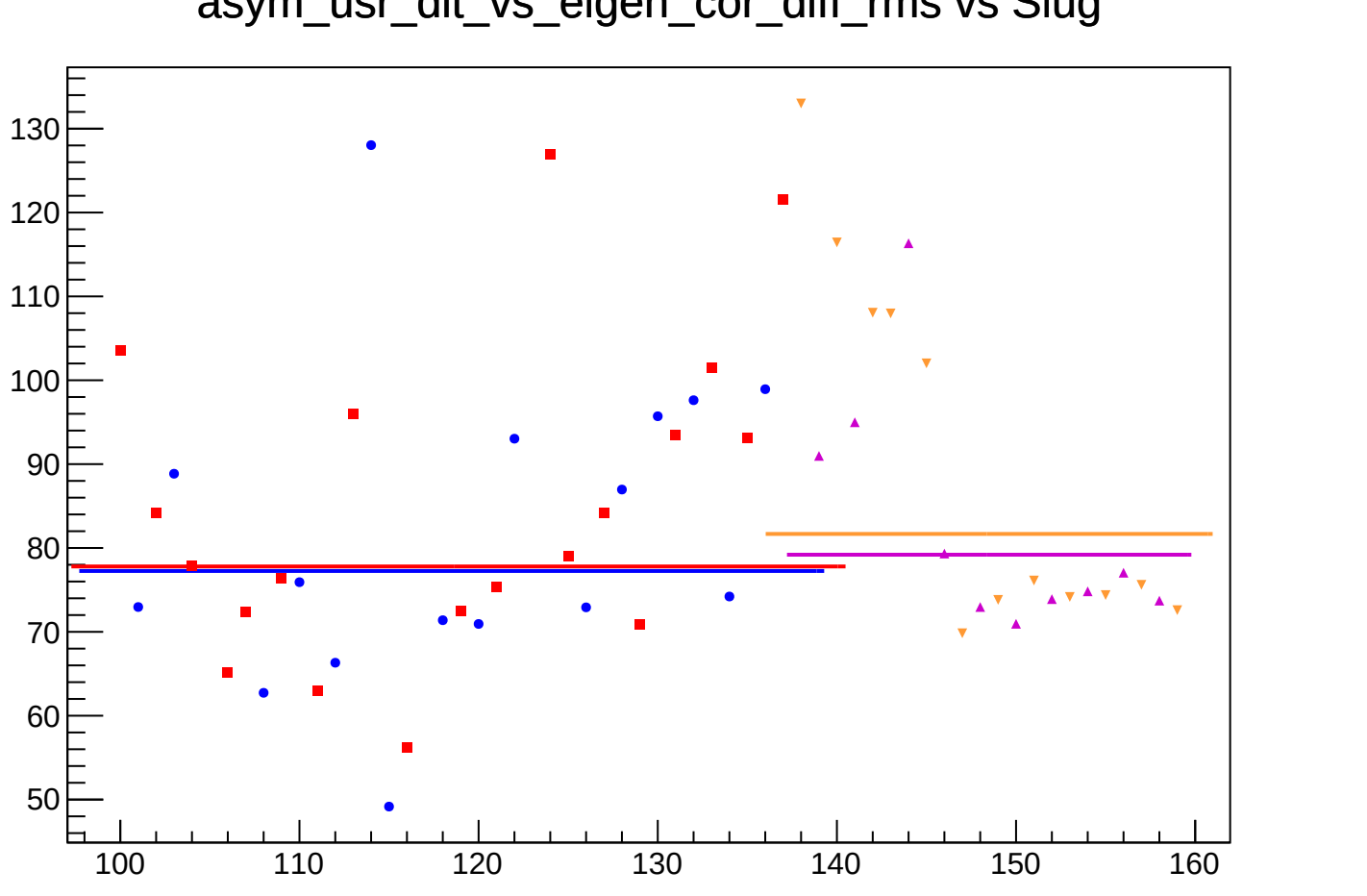
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.002+/-0.027 χ^2/NDF:17.4/9

+ sign 0.002+/-0.020 χ^2/NDF: 28.9/27

All: -0.003+/-0.014 χ^2/NDF: 71.9/56

- sign -0.007+/-0.020 χ^2/NDF: 42.9/28



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

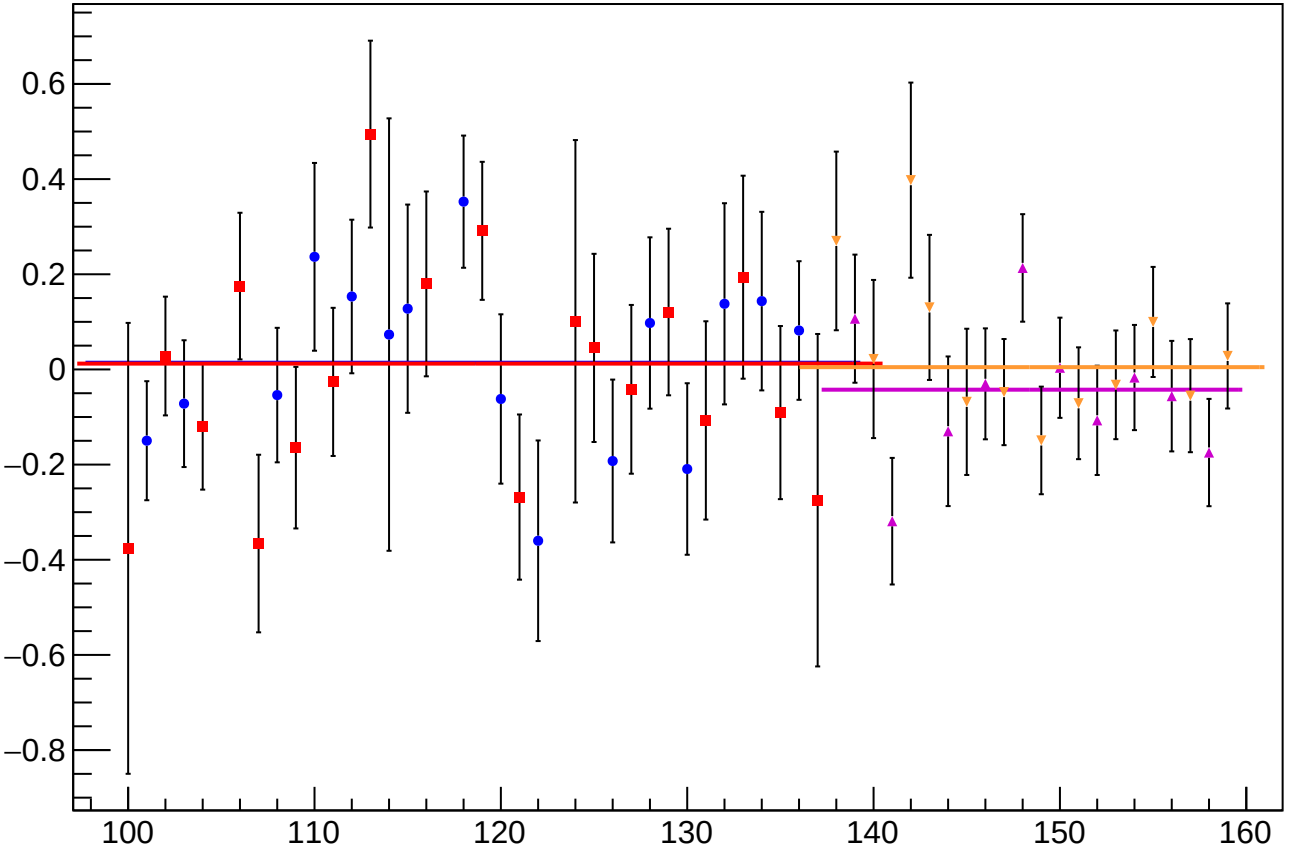
Left In: 79.197+/-0.019 χ^2/NDF:312353.1/9

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

All: 79.105+/-0.010 χ^2/NDF: 1861779.7/56

- sign 78.551+/-0.014 χ^2/NDF: 711224.2/28

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

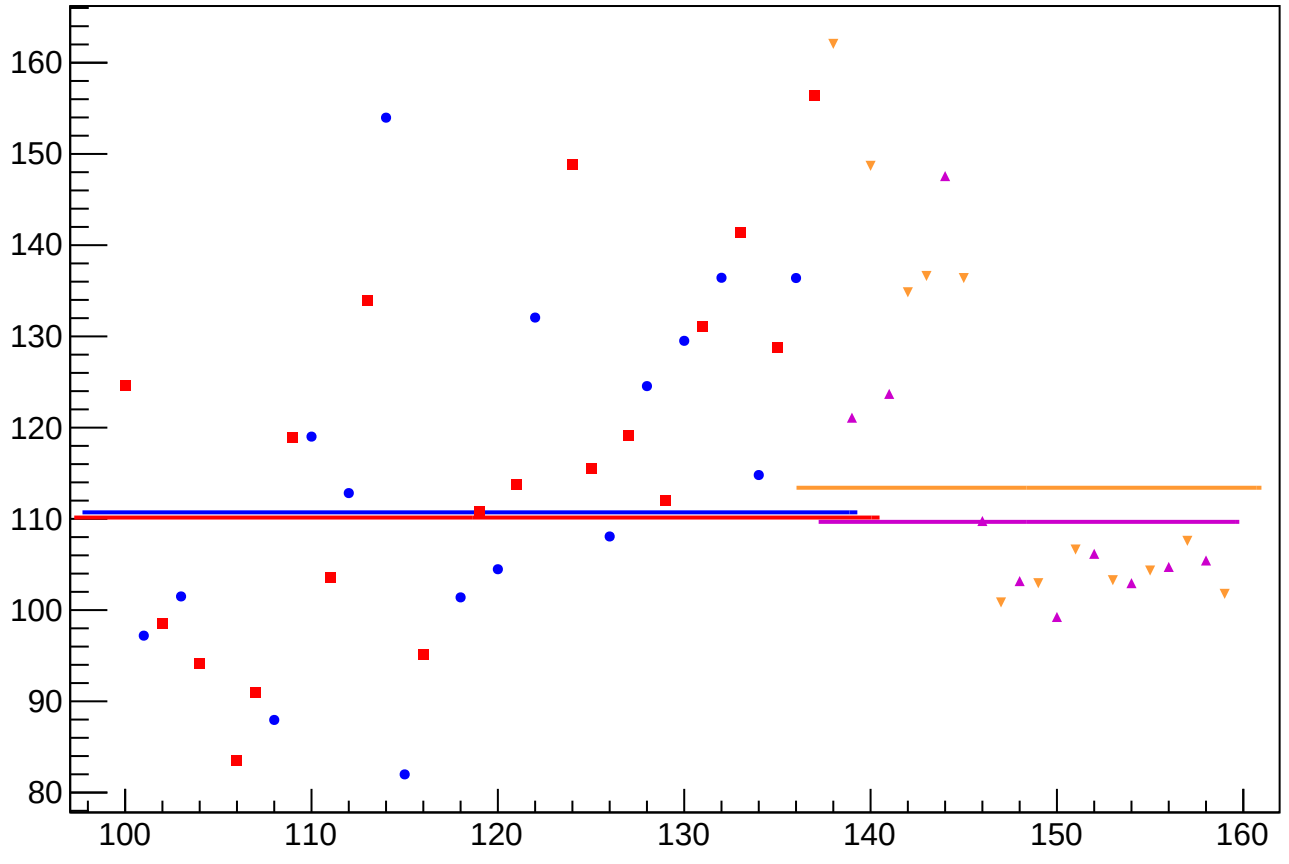
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.043+/-0.038 χ^2/NDF:12.9/9

+ sign 0.009+/-0.028 χ^2/NDF: 28.4/27

All: -0.005+/-0.020 χ^2/NDF: 66.5/56

- sign -0.018+/-0.028 χ^2/NDF: 37.7/28



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.411+/-0.027 χ^2/NDF:441606.5/11

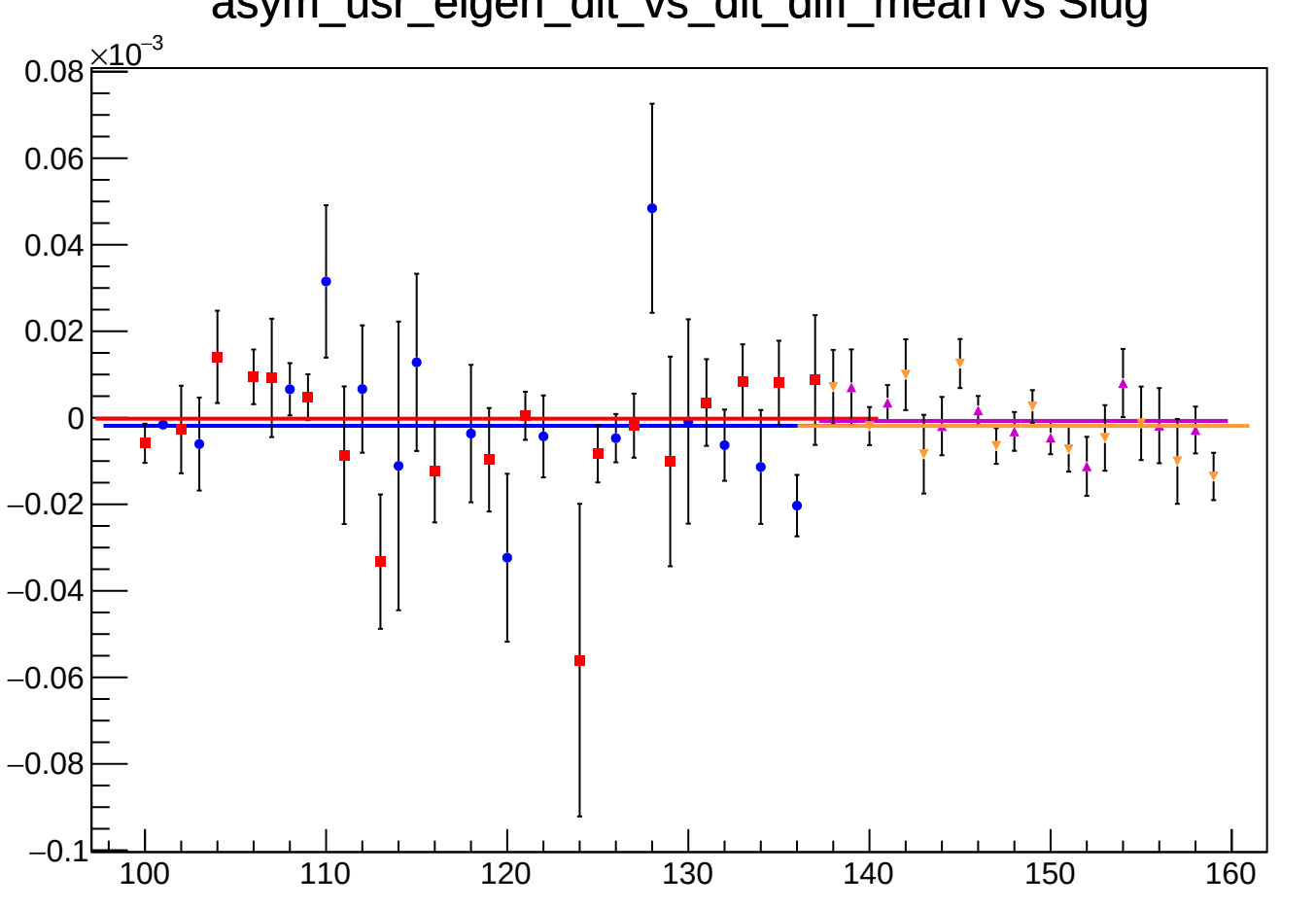
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 109.672+/-0.027 χ^2/NDF:194748.4/9

+ sign 112.221+/-0.020 χ^2/NDF: 746126.2/27

All: 111.044+/-0.014 χ^2/NDF: 1274715.3/56

- sign 109.887+/-0.020 χ^2/NDF: 521617.8/28



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

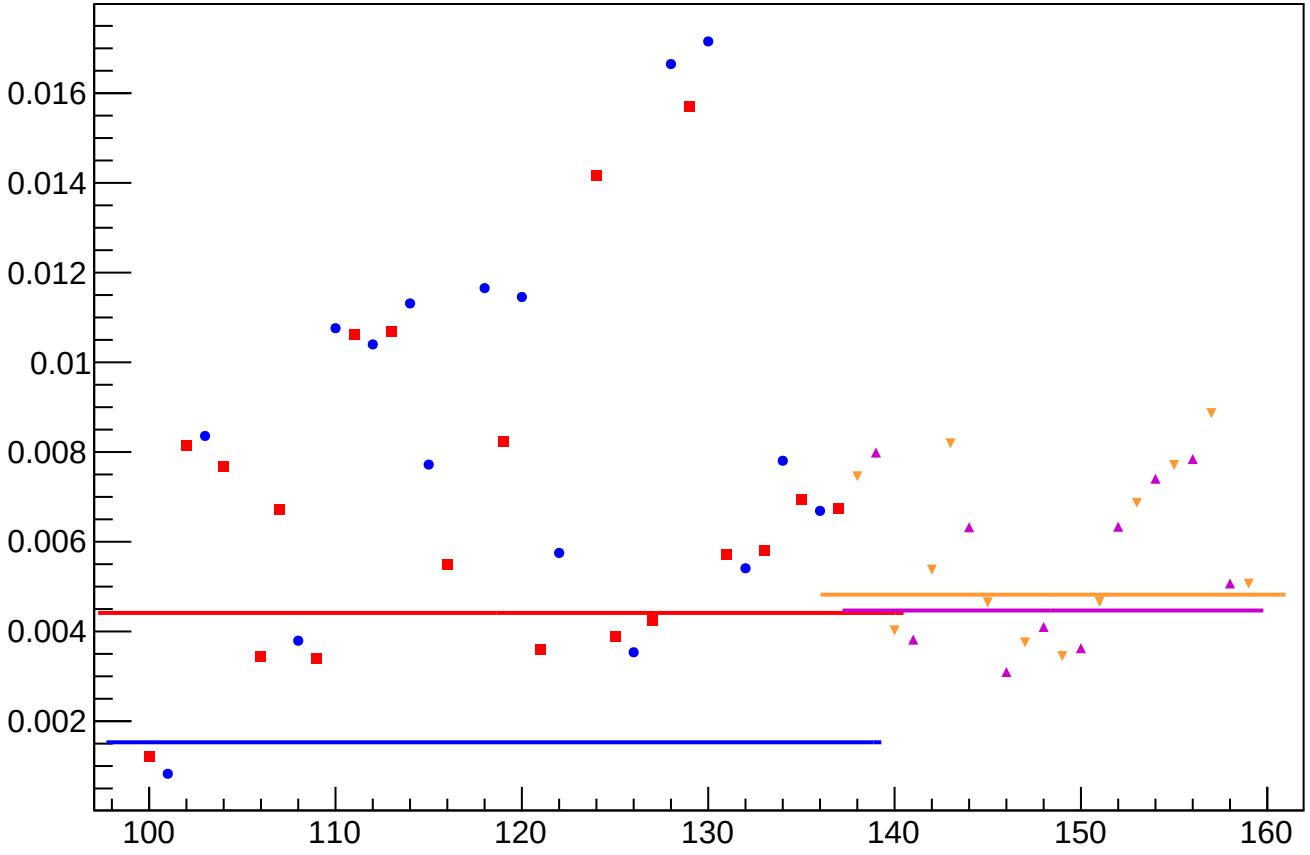
Left In: -0.000+/-0.000 χ^2/NDF:7.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 40.7/27

All: -0.000+/-0.000 χ^2/NDF: 69.0/56

- sign -0.000+/-0.000 χ^2/NDF: 27.4/28

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1660698.7/11

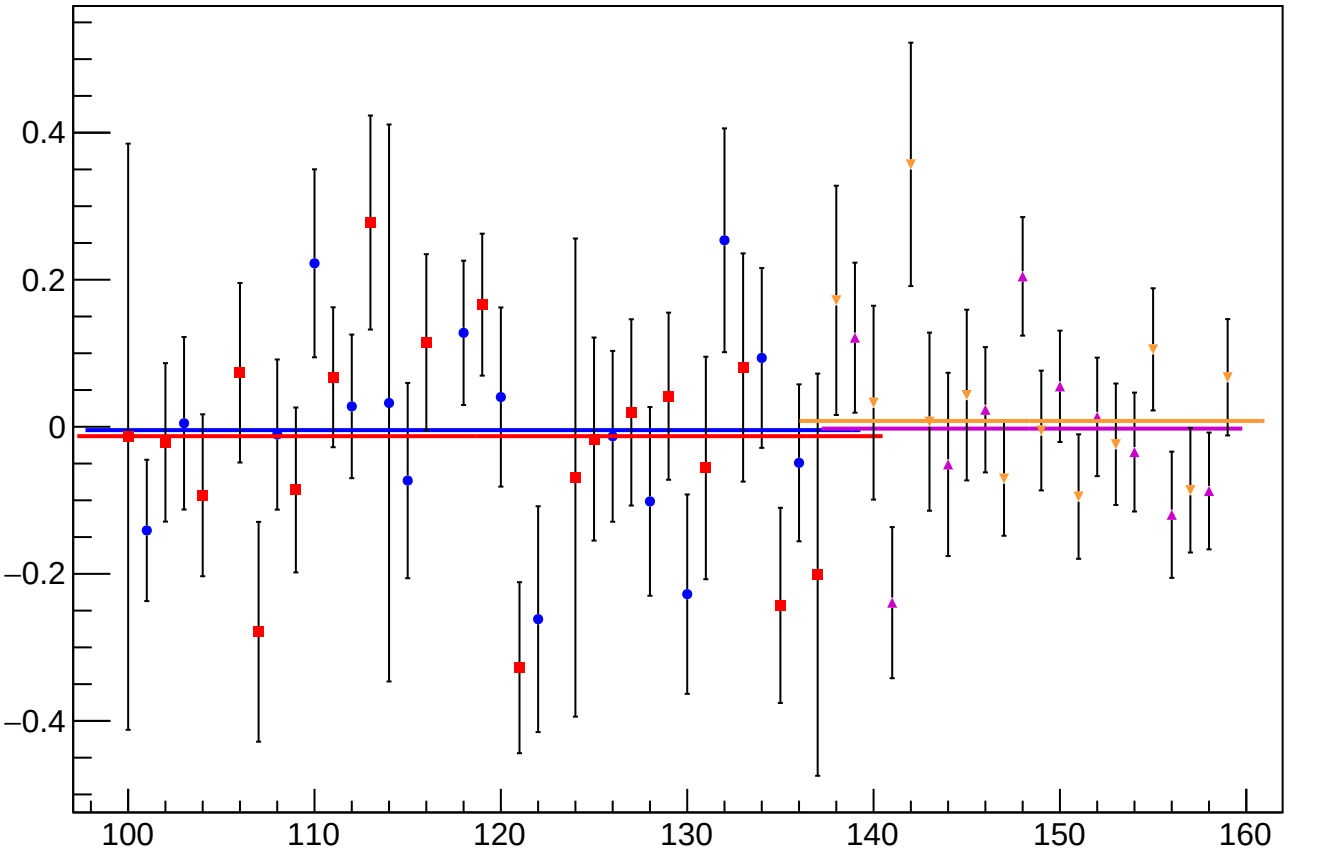
Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:1731152.6/9

+ sign 0.002+/-0.000 χ^2/NDF: 16752194.7/27

All: 0.003+/-0.000 χ^2/NDF: 25736435.0/56

- sign 0.004+/-0.000 χ^2/NDF: 5120144.1/28



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

Left Out: 0.008+/-0.027 χ^2/NDF:11.5/11

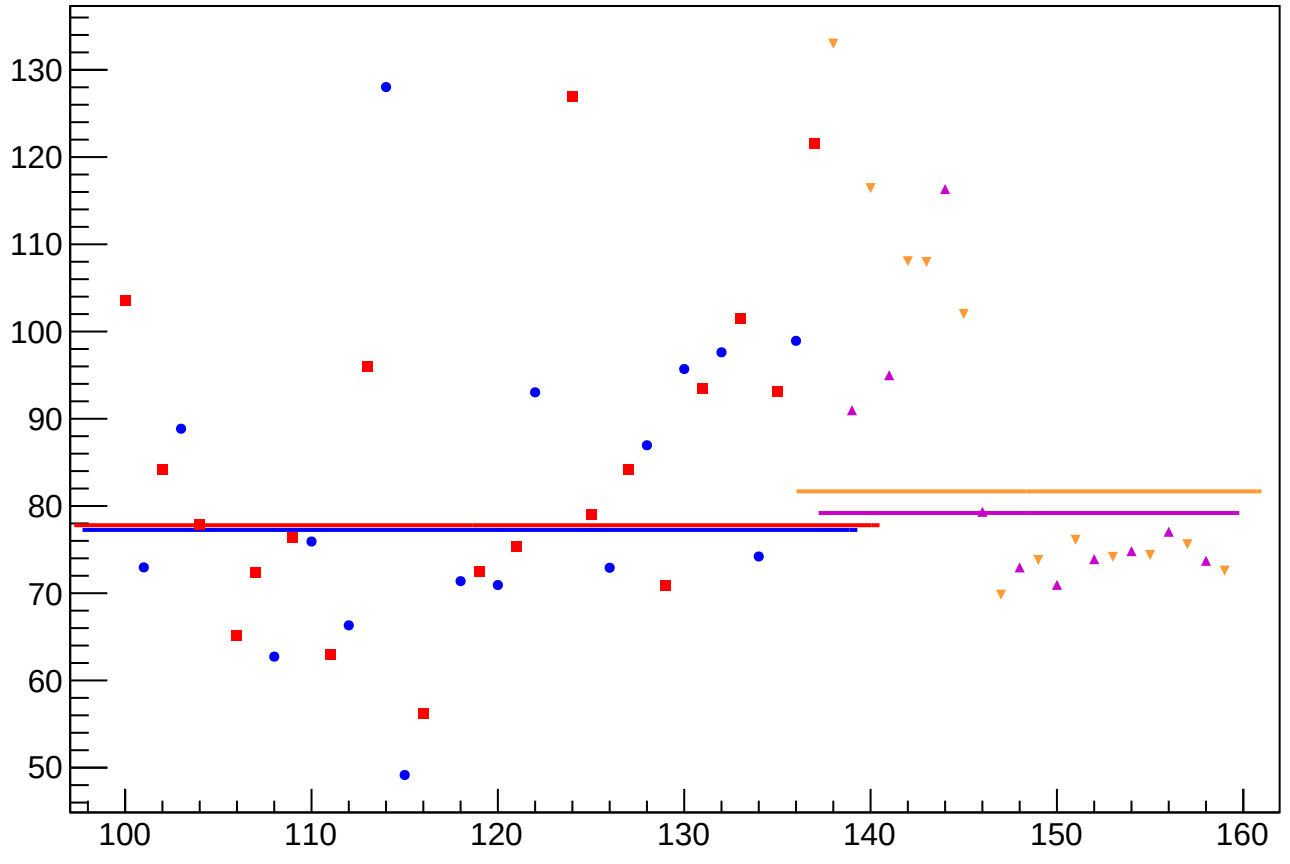
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.002+/-0.027 χ^2/NDF:17.4/9

+ sign 0.002+/-0.020 χ^2/NDF: 28.9/27

All: -0.003+/-0.014 χ^2/NDF: 71.9/56

- sign -0.007+/-0.020 χ^2/NDF: 42.9/28



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

Left Out: 81.676+/-0.019 χ^2/NDF:704714.2/11

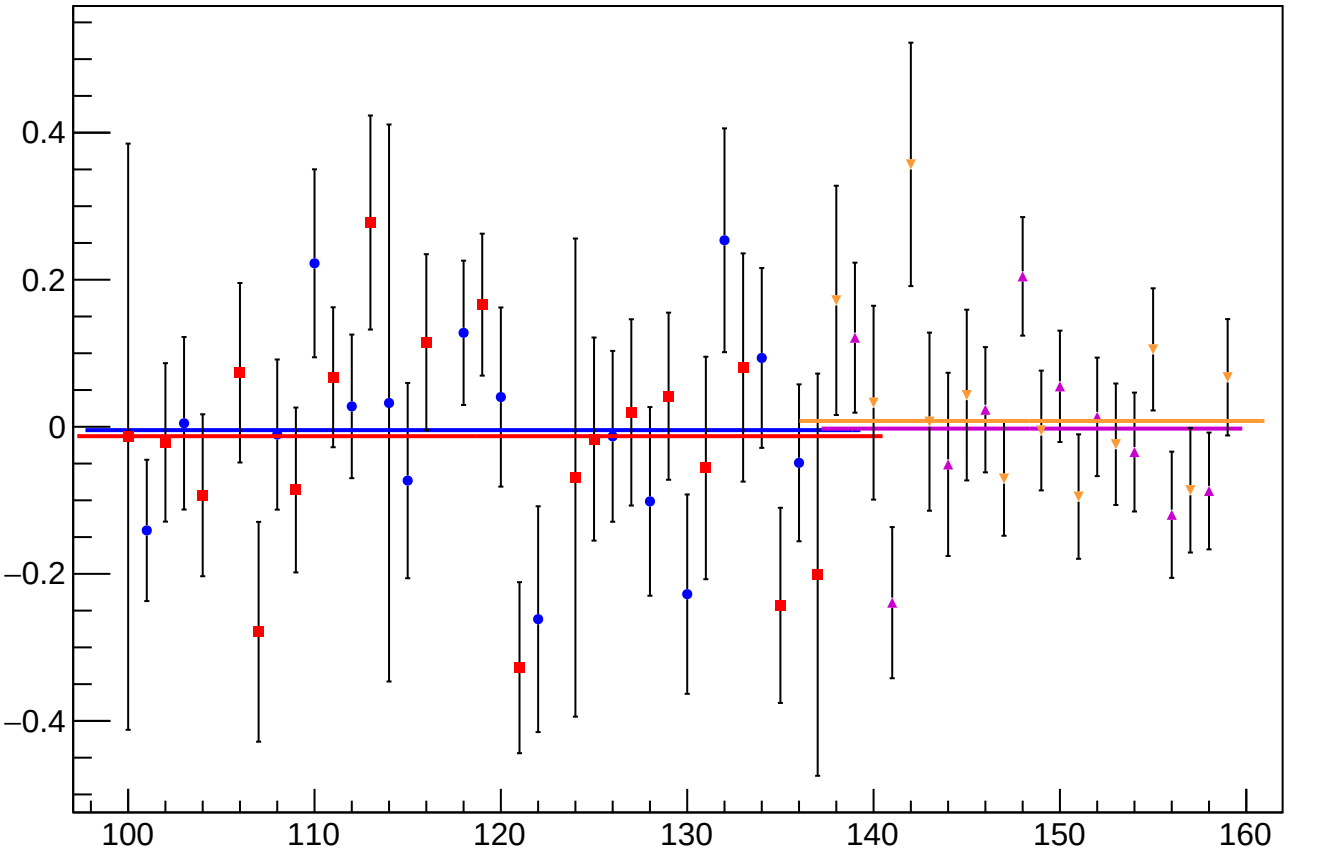
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.198+/-0.019 χ^2/NDF:312355.7/9

+ sign 79.663+/-0.014 χ^2/NDF: 1147538.6/27

All: 79.104+/-0.010 χ^2/NDF: 1861793.7/56

- sign 78.551+/-0.014 χ^2/NDF: 711230.2/28



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

Left Out: 0.008+/-0.027 χ^2/NDF:11.5/11

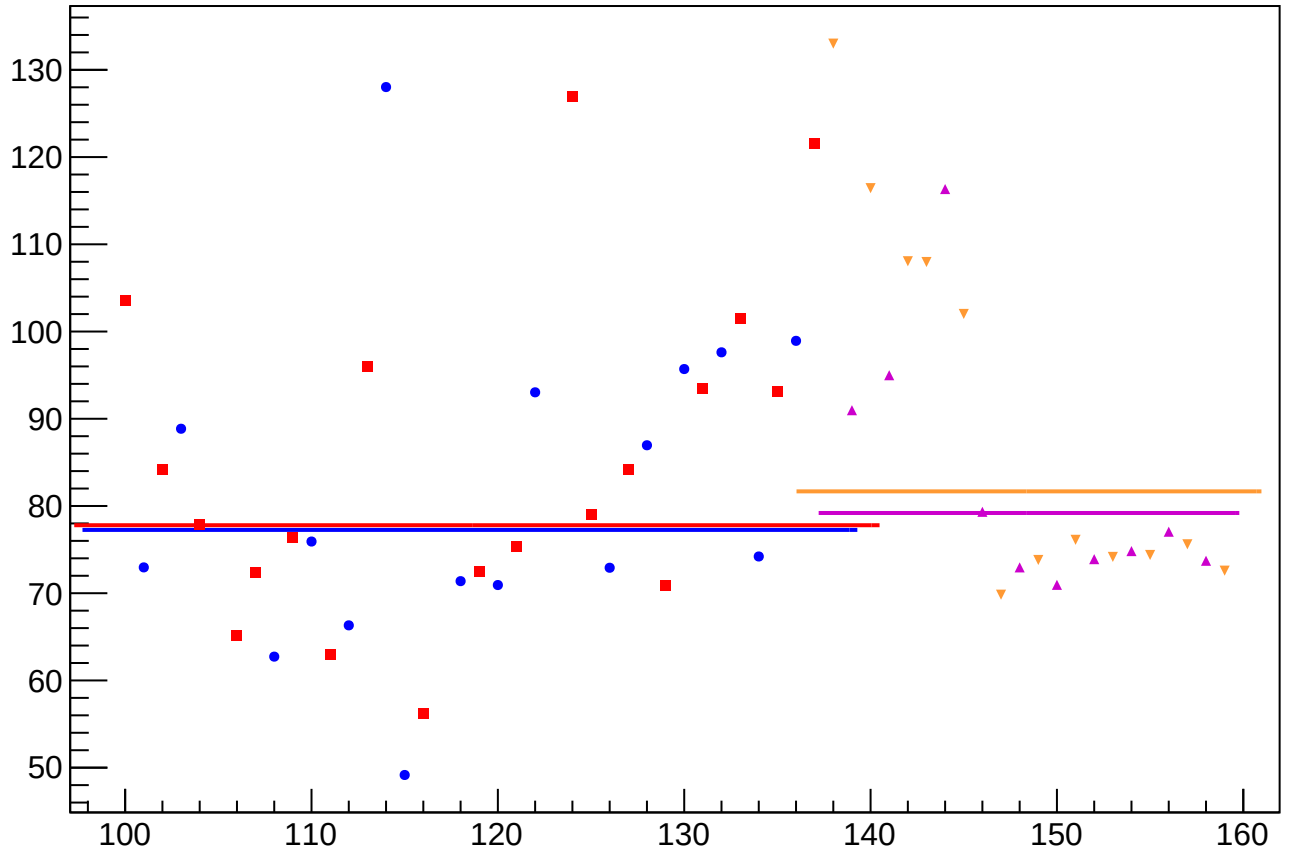
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.002+/-0.027 χ^2/NDF:17.4/9

+ sign 0.002+/-0.020 χ^2/NDF: 28.9/27

All: -0.003+/-0.014 χ^2/NDF: 71.9/56

- sign -0.007+/-0.020 χ^2/NDF: 42.9/28



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

Left Out: 81.676+/-0.019 χ^2/NDF:704714.2/11

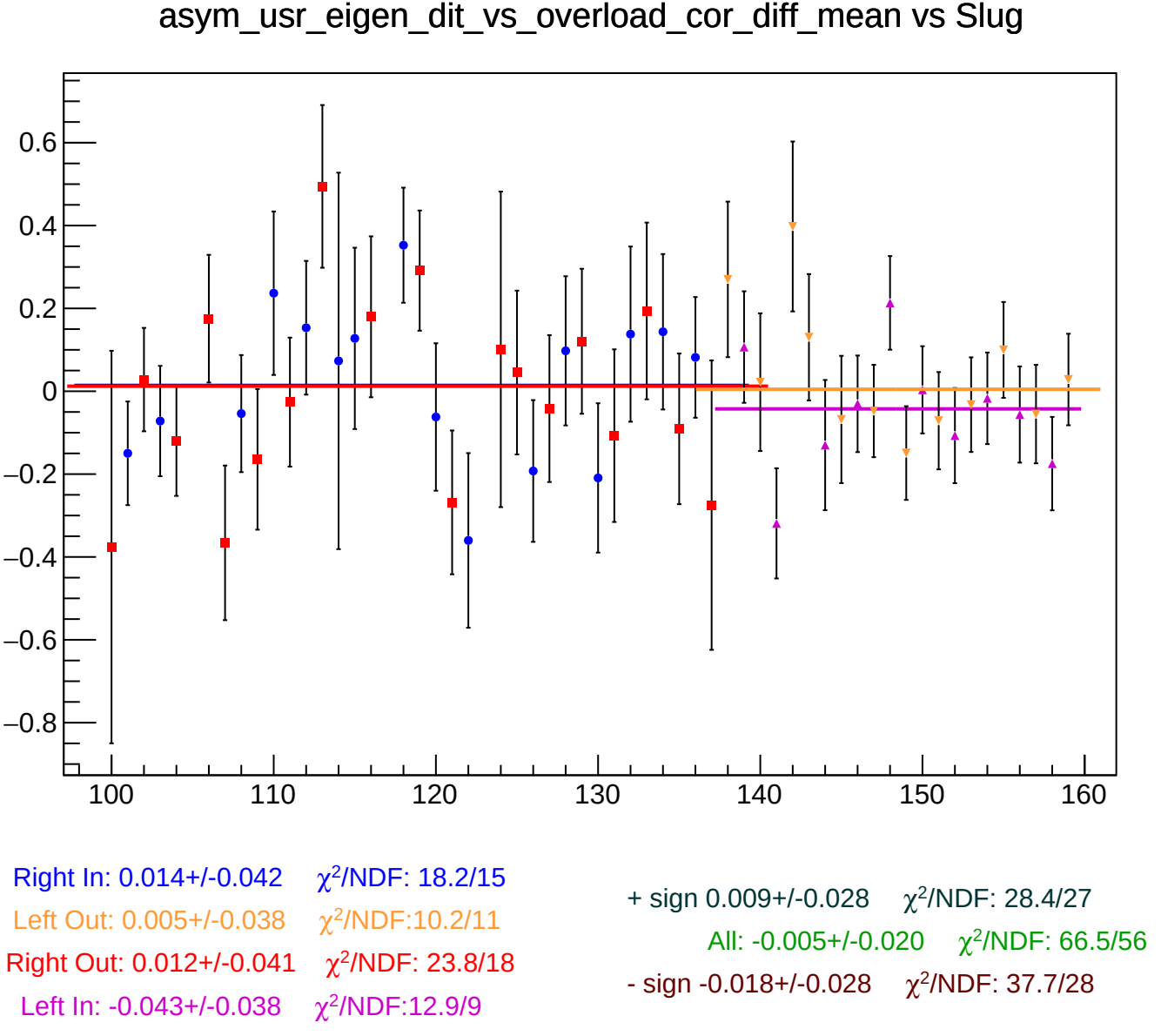
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

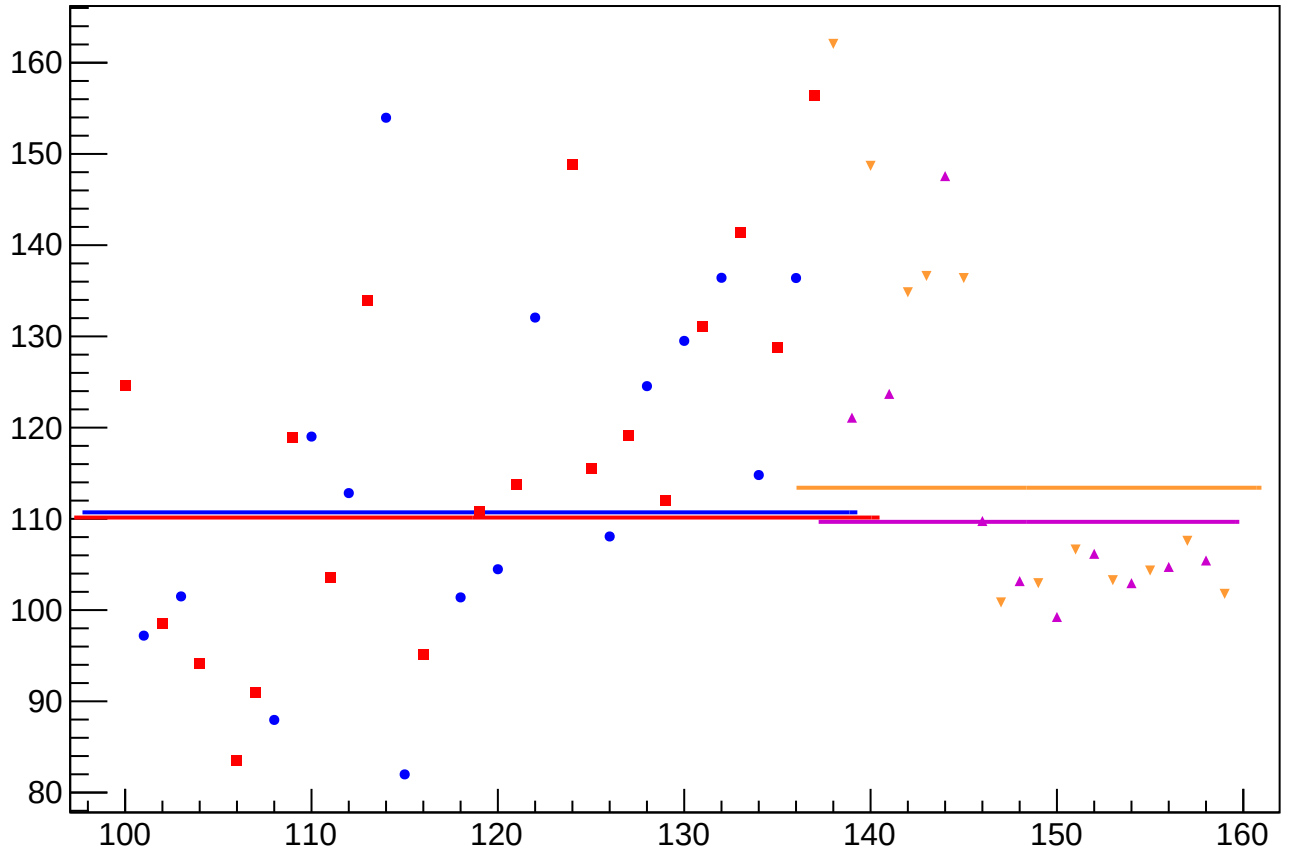
Left In: 79.198+/-0.019 χ^2/NDF:312355.7/9

+ sign 79.663+/-0.014 χ^2/NDF: 1147538.6/27

All: 79.104+/-0.010 χ^2/NDF: 1861793.7/56

- sign 78.551+/-0.014 χ^2/NDF: 711230.2/28


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: -0.043+/-0.038 χ²/NDF:12.9/9
+ sign 0.009+/-0.028 χ²/NDF: 28.4/27
All: -0.005+/-0.020 χ²/NDF: 66.5/56
- sign -0.018+/-0.028 χ²/NDF: 37.7/28



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.411+/-0.027 χ^2/NDF:441604.8/11

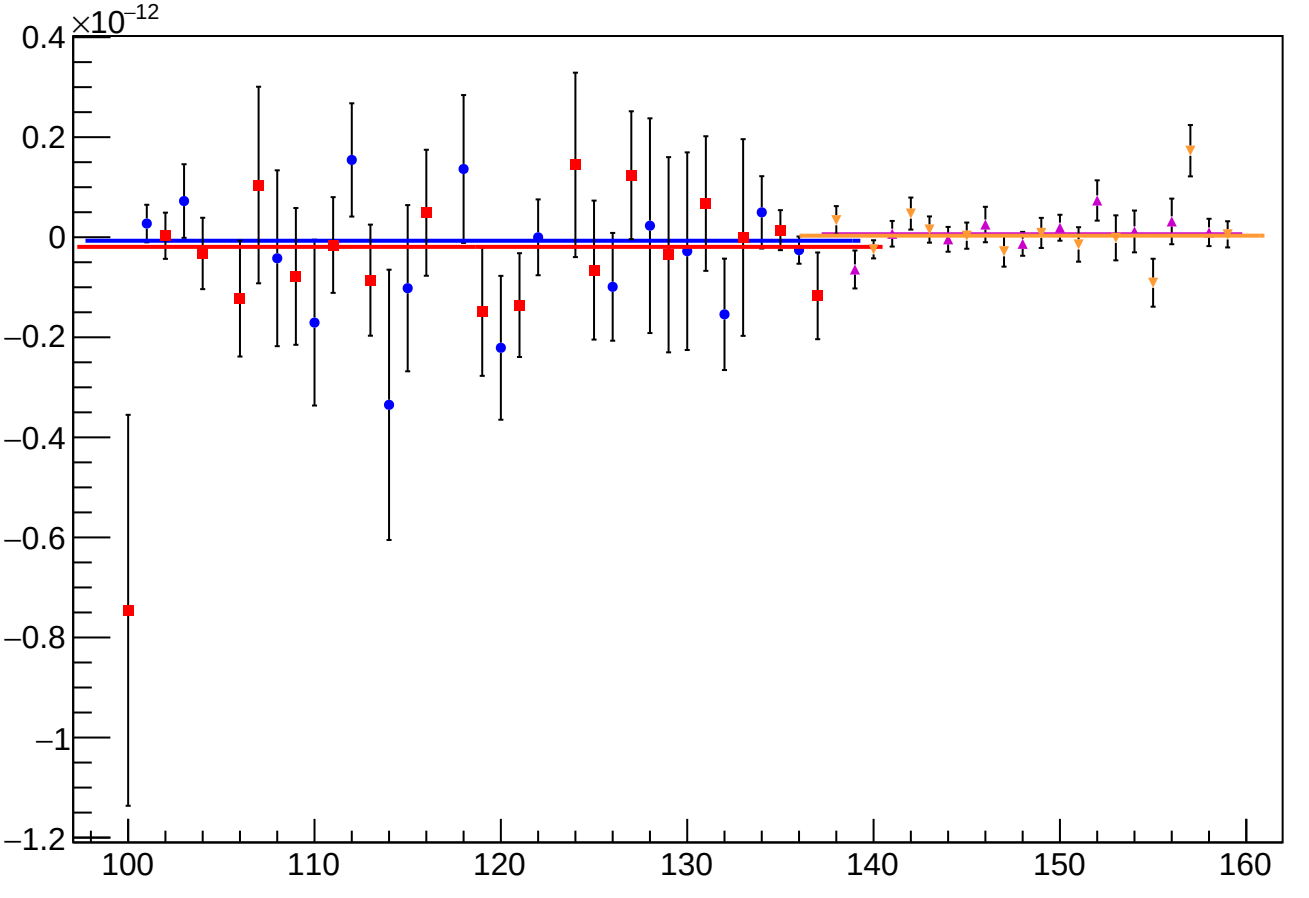
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 109.672+/-0.027 χ^2/NDF:194750.7/9

+ sign 112.221+/-0.020 χ^2/NDF: 746104.1/27

All: 111.044+/-0.014 χ^2/NDF: 1274664.9/56

- sign 109.887+/-0.020 χ^2/NDF: 521589.6/28



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

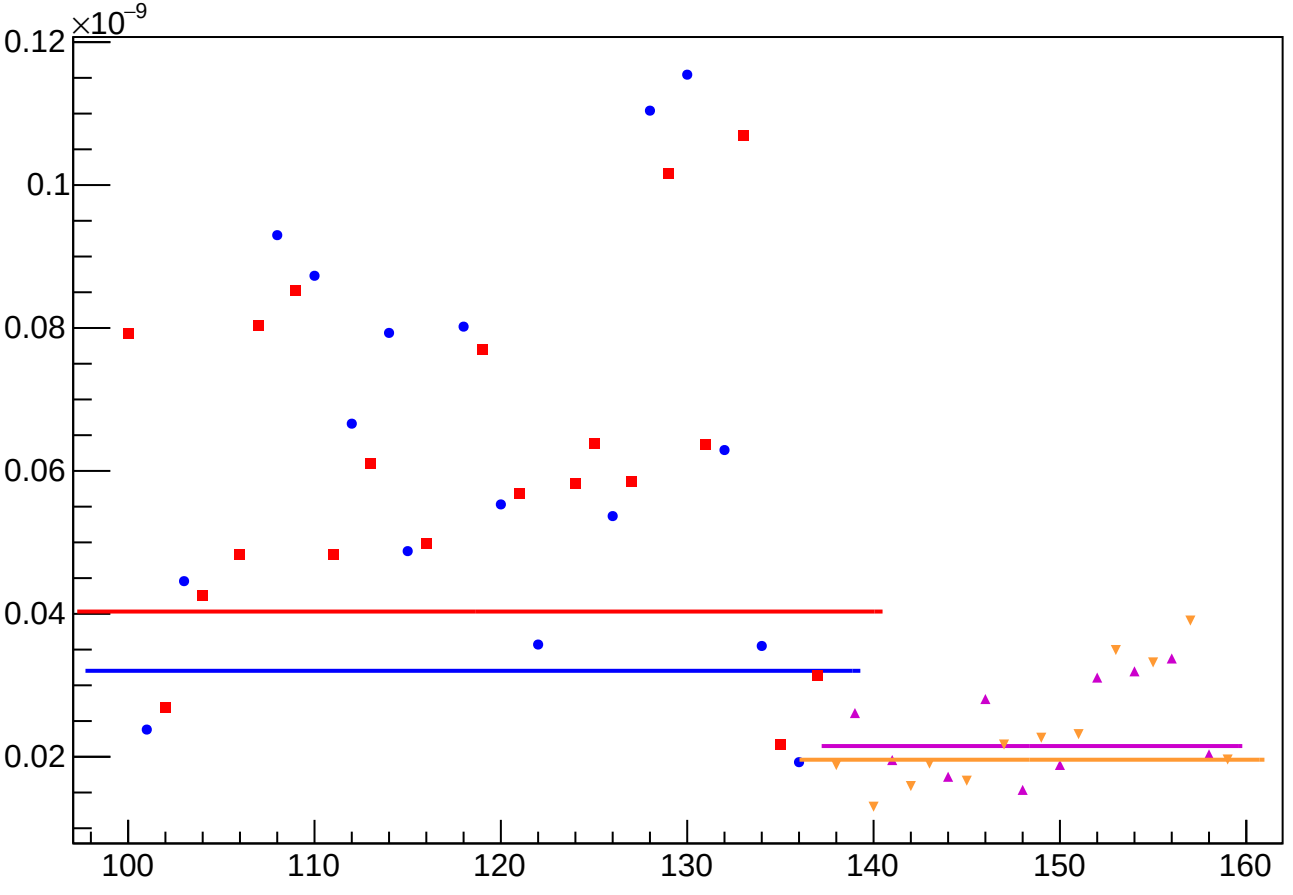
Left In: 0.000+/-0.000 χ^2/NDF:8.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/27

All: 0.000+/-0.000 χ^2/NDF: 57.3/56

- sign 0.000+/-0.000 χ^2/NDF: 21.7/28

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1051092.2/11

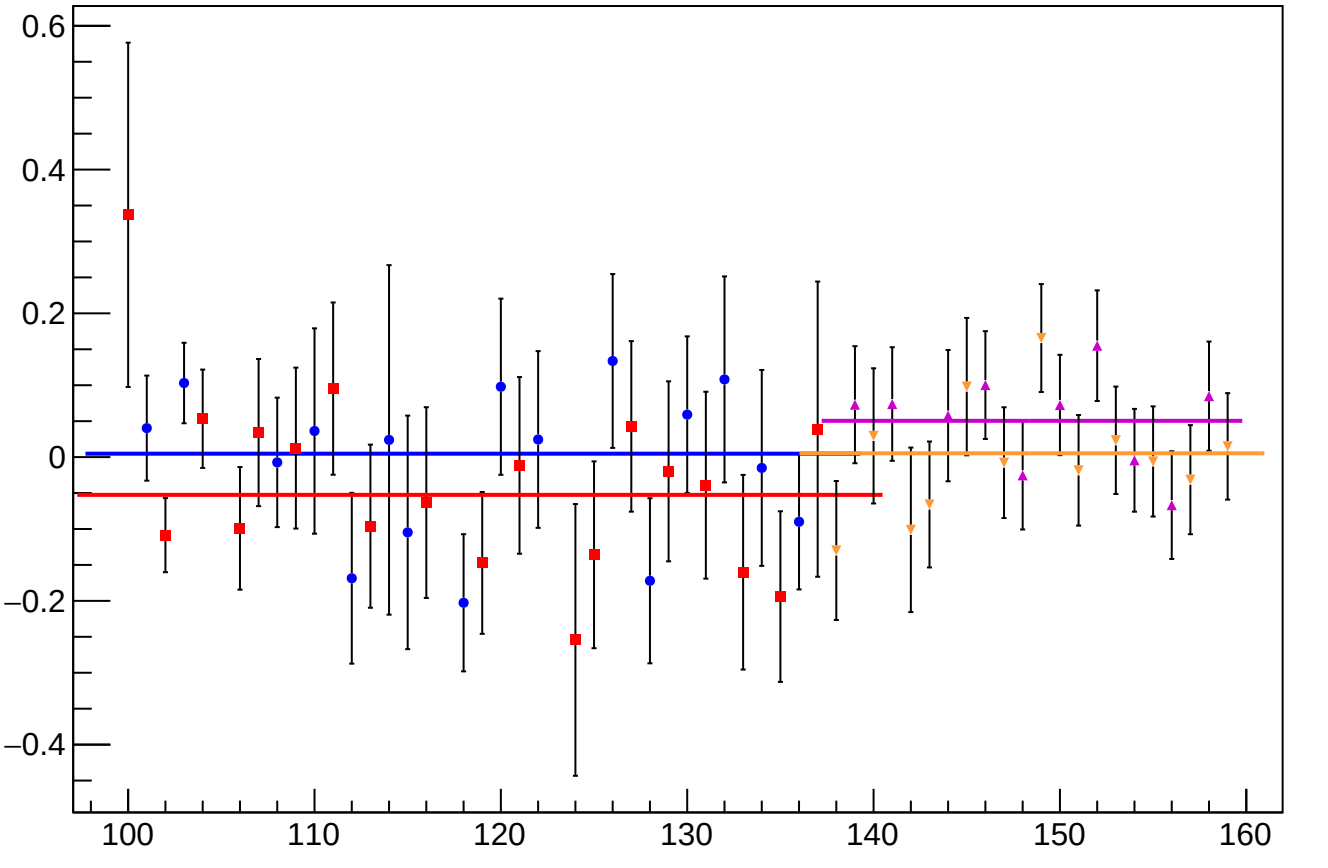
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

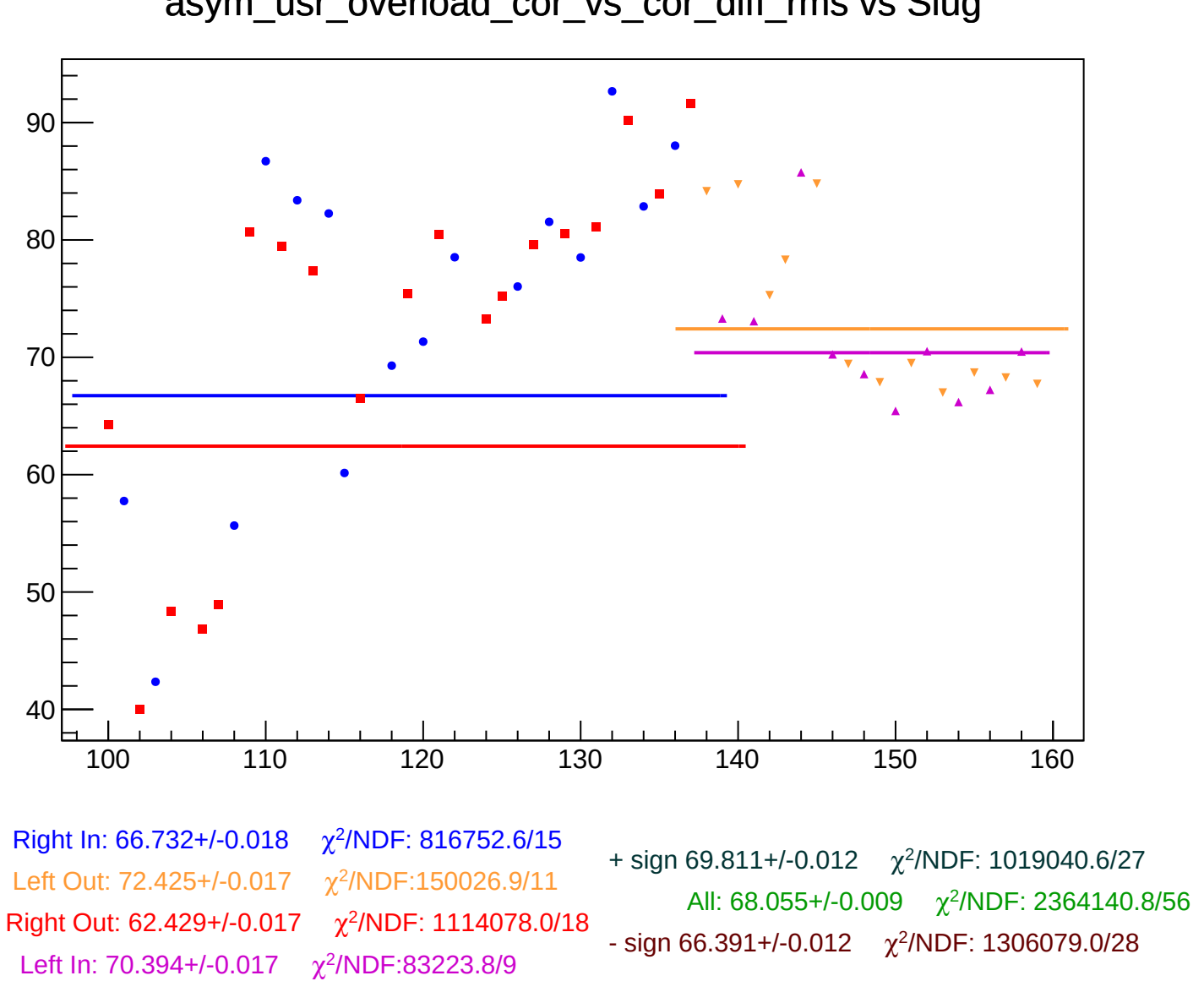
Left In: 0.000+/-0.000 χ^2/NDF:709559.1/9

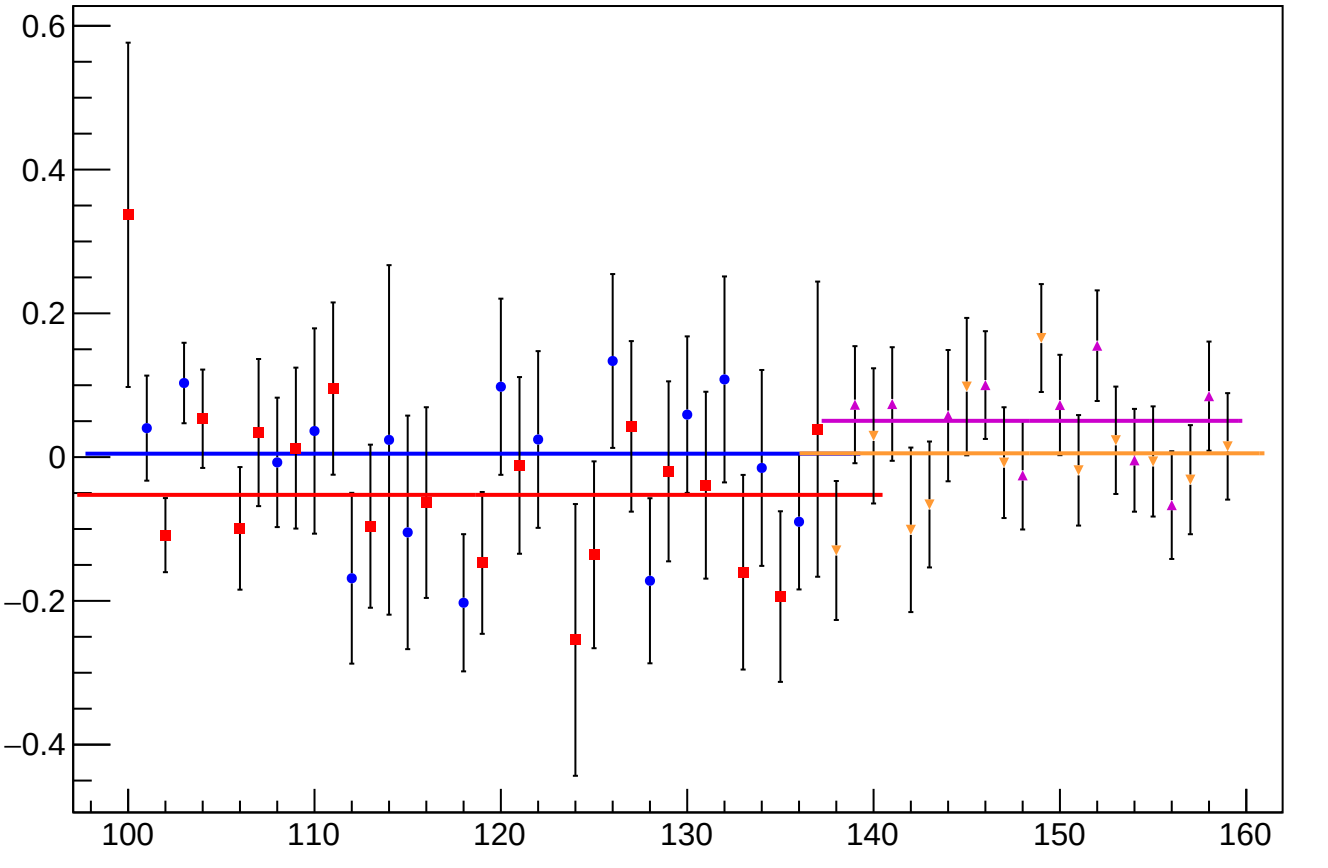
+ sign 0.000+/-0.000 χ^2/NDF: 4298689.3/27

All: 0.000+/-0.000 χ^2/NDF: 8312807.0/56

- sign 0.000+/-0.000 χ^2/NDF: 3893189.1/28


asym_usr_overload_cor_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.005+/-0.024 χ²/NDF:9.5/11
Right Out: -0.053+/-0.024 χ²/NDF: 14.8/18
Left In: 0.050+/-0.024 χ²/NDF:6.8/9
+ sign 0.005+/-0.018 χ²/NDF: 26.1/27
All: 0.002+/-0.012 χ²/NDF: 56.9/56
- sign -0.001+/-0.017 χ²/NDF: 30.7/28


asym_usr_overload_cor_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.425+/-0.017 χ²/NDF:150026.9/11
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.394+/-0.017 χ²/NDF:83223.8/9
+ sign 69.811+/-0.012 χ²/NDF: 1019040.6/27
All: 68.055+/-0.009 χ²/NDF: 2364140.8/56
- sign 66.391+/-0.012 χ²/NDF: 1306079.0/28



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.024 χ^2/NDF:9.5/11

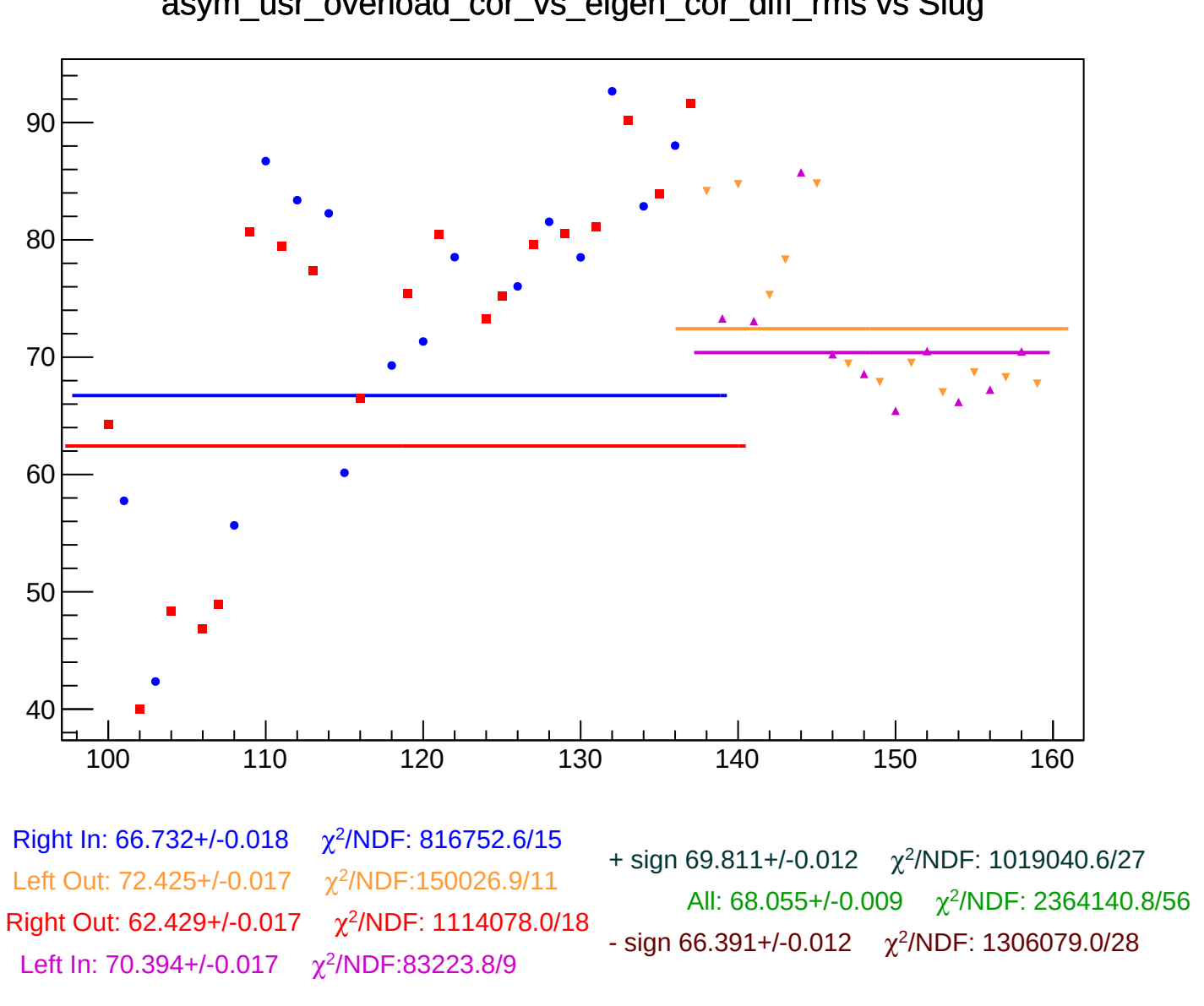
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.050+/-0.024 χ^2/NDF:6.8/9

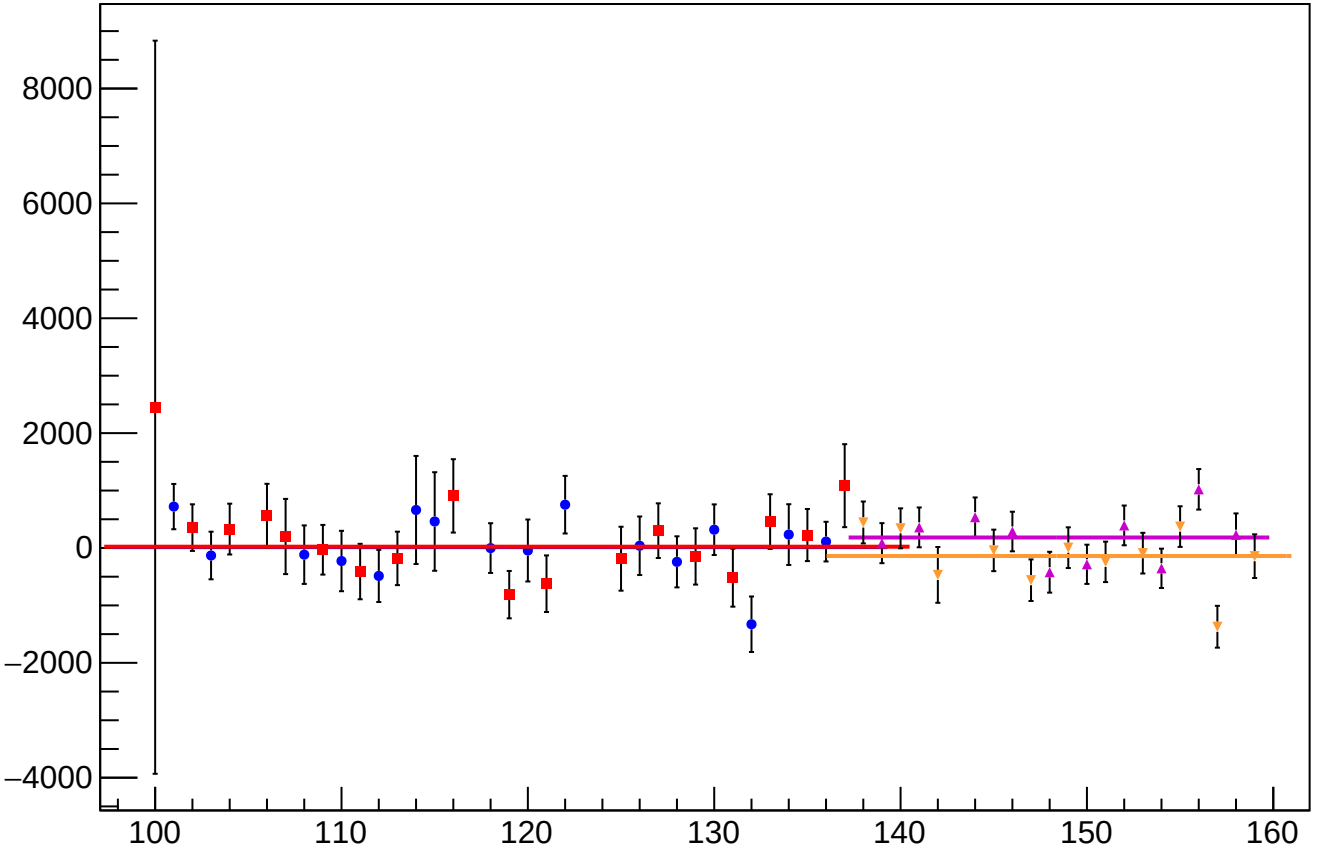
+ sign 0.005+/-0.018 χ^2/NDF: 26.1/27

All: 0.002+/-0.012 χ^2/NDF: 56.9/56

- sign -0.001+/-0.017 χ^2/NDF: 30.7/28


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.425+/-0.017 χ²/NDF:150026.9/11
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.394+/-0.017 χ²/NDF:83223.8/9
+ sign 69.811+/-0.012 χ²/NDF: 1019040.6/27
All: 68.055+/-0.009 χ²/NDF: 2364140.8/56
- sign 66.391+/-0.012 χ²/NDF: 1306079.0/28

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

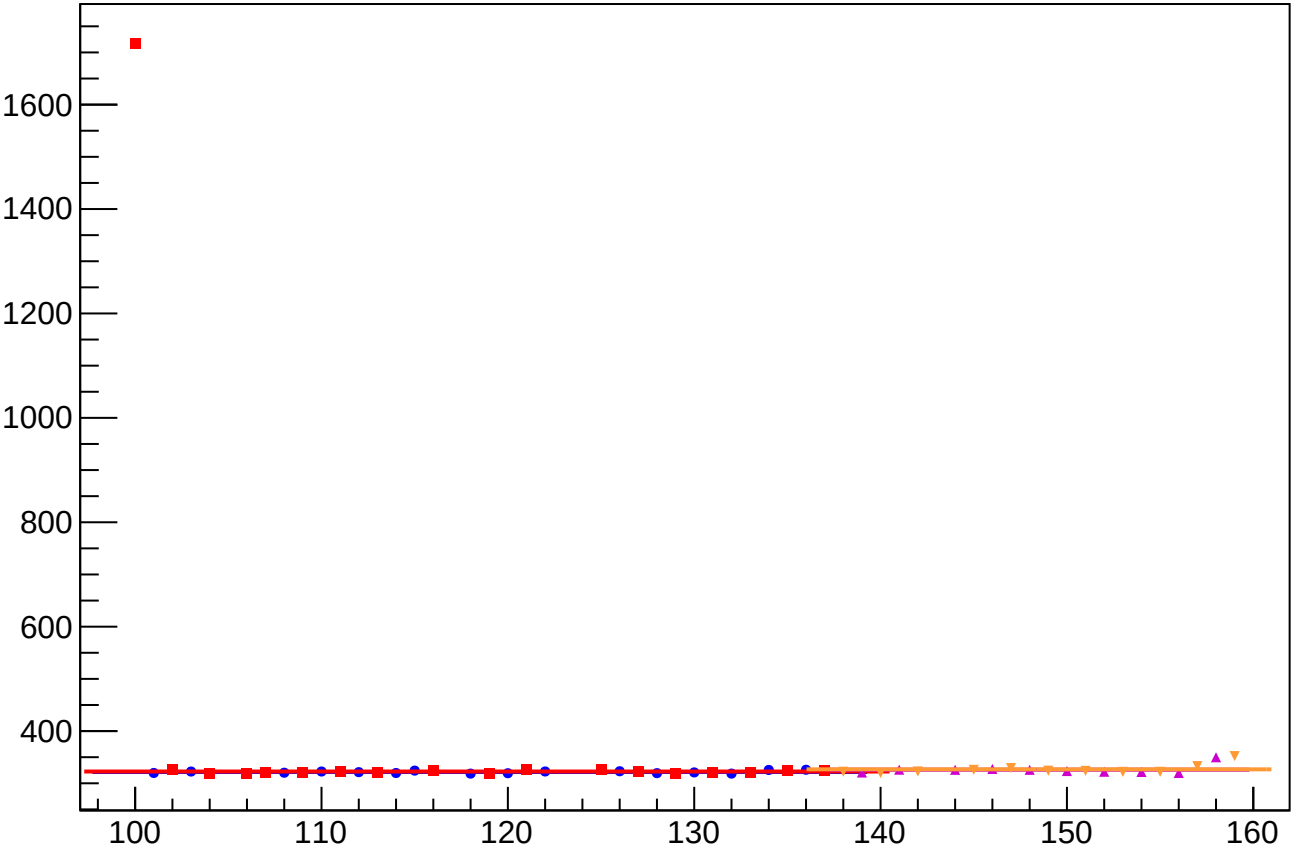
Left In: 182.495+/-110.401 χ^2/NDF:14.7/9

\+ sign -68.046+/-81.147 χ^2/NDF: 37.6/26

All: 20.368+/-57.328 χ^2/NDF: 71.7/54

\- sign 108.464+/-81.001 χ^2/NDF: 31.7/27

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

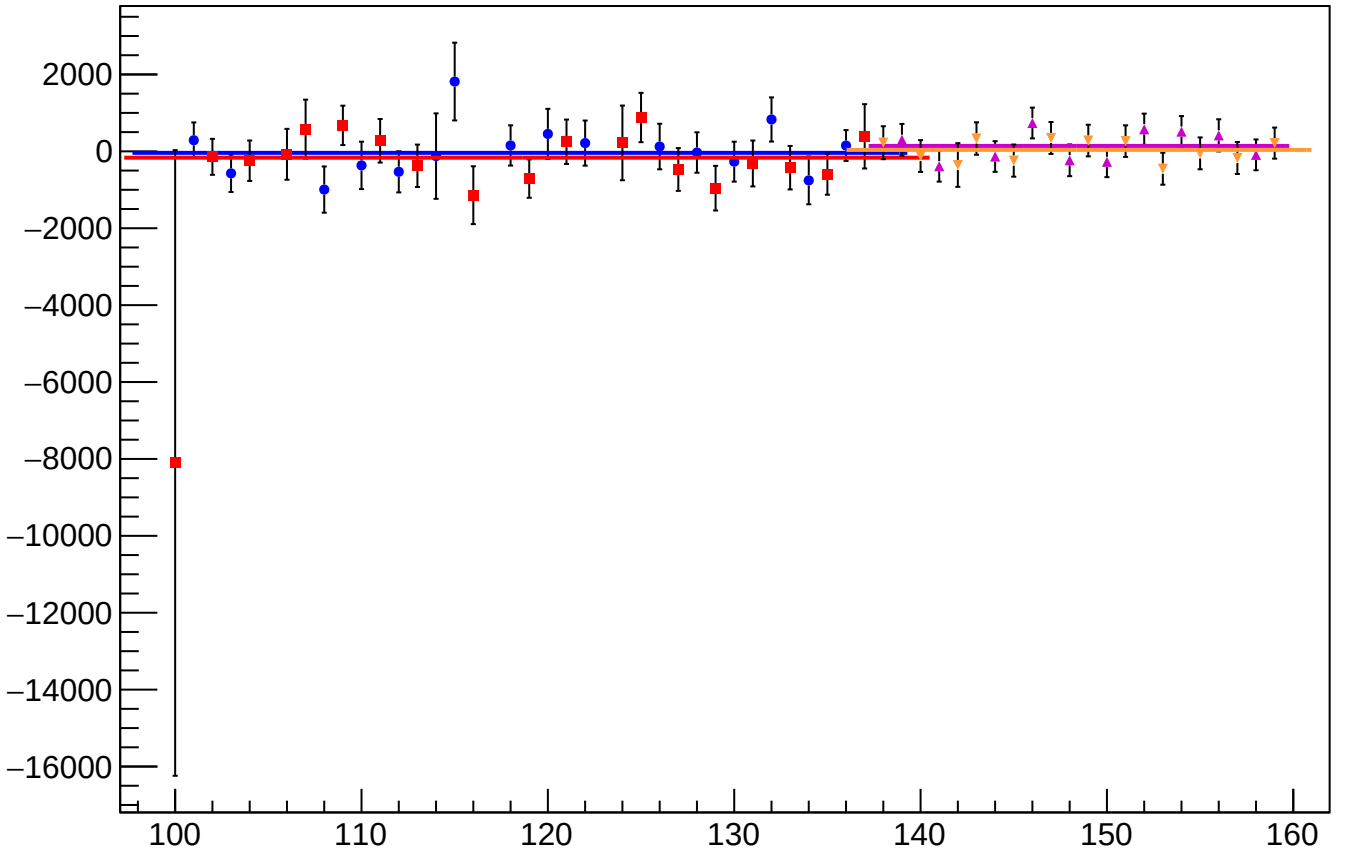
Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 326.012+/-0.078 χ^2/NDF:9988.0/9

+ sign 324.361+/-0.057 χ^2/NDF: 14604.9/26

All: 324.388+/-0.041 χ^2/NDF: 122391.8/54

- sign 324.415+/-0.057 χ^2/NDF: 107786.4/27



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

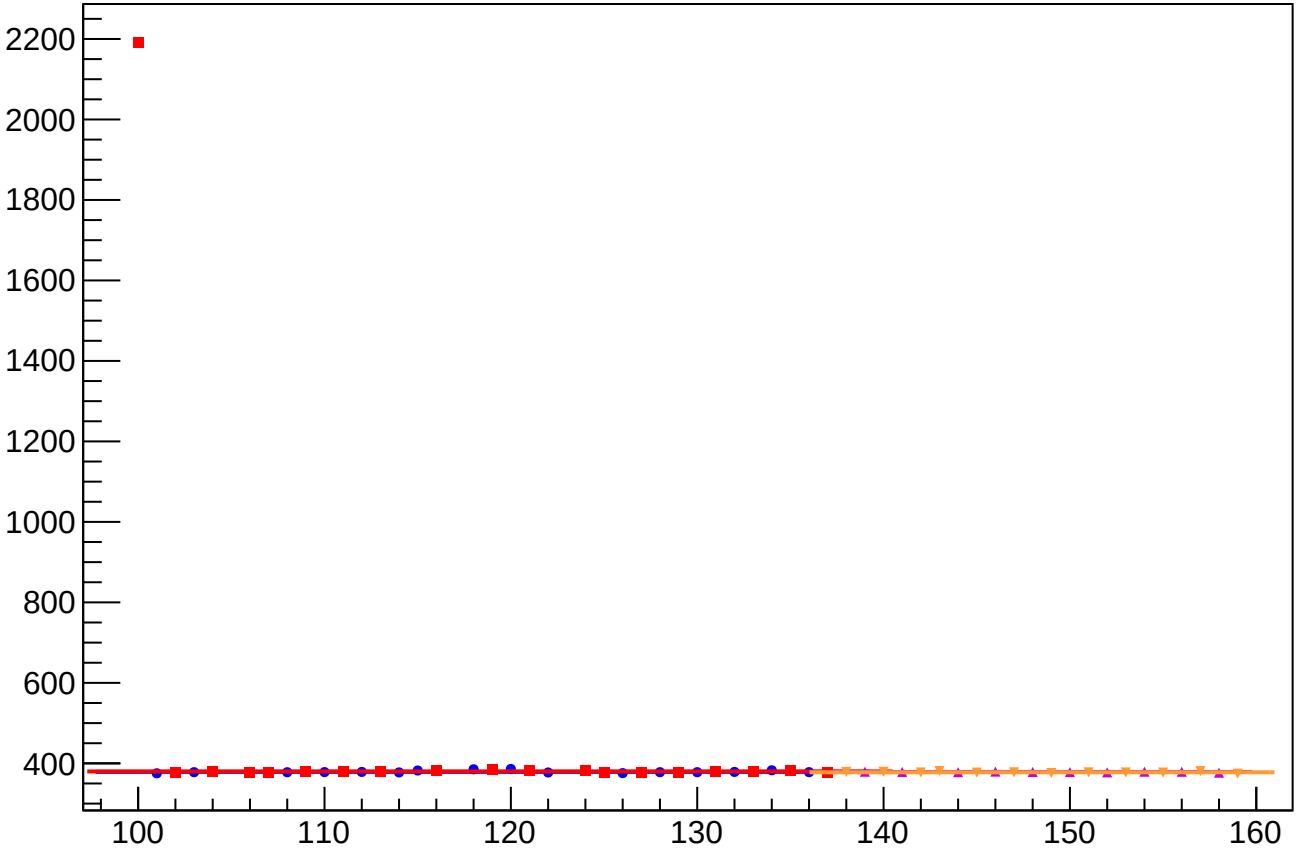
Left In: 140.470+/-128.163 χ^2/NDF:9.2/9

+ sign 4.827+/-92.292 χ^2/NDF: 18.7/27

All: 2.576+/-65.929 χ^2/NDF: 45.7/56

- sign 0.230+/-94.212 χ^2/NDF: 26.9/28

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

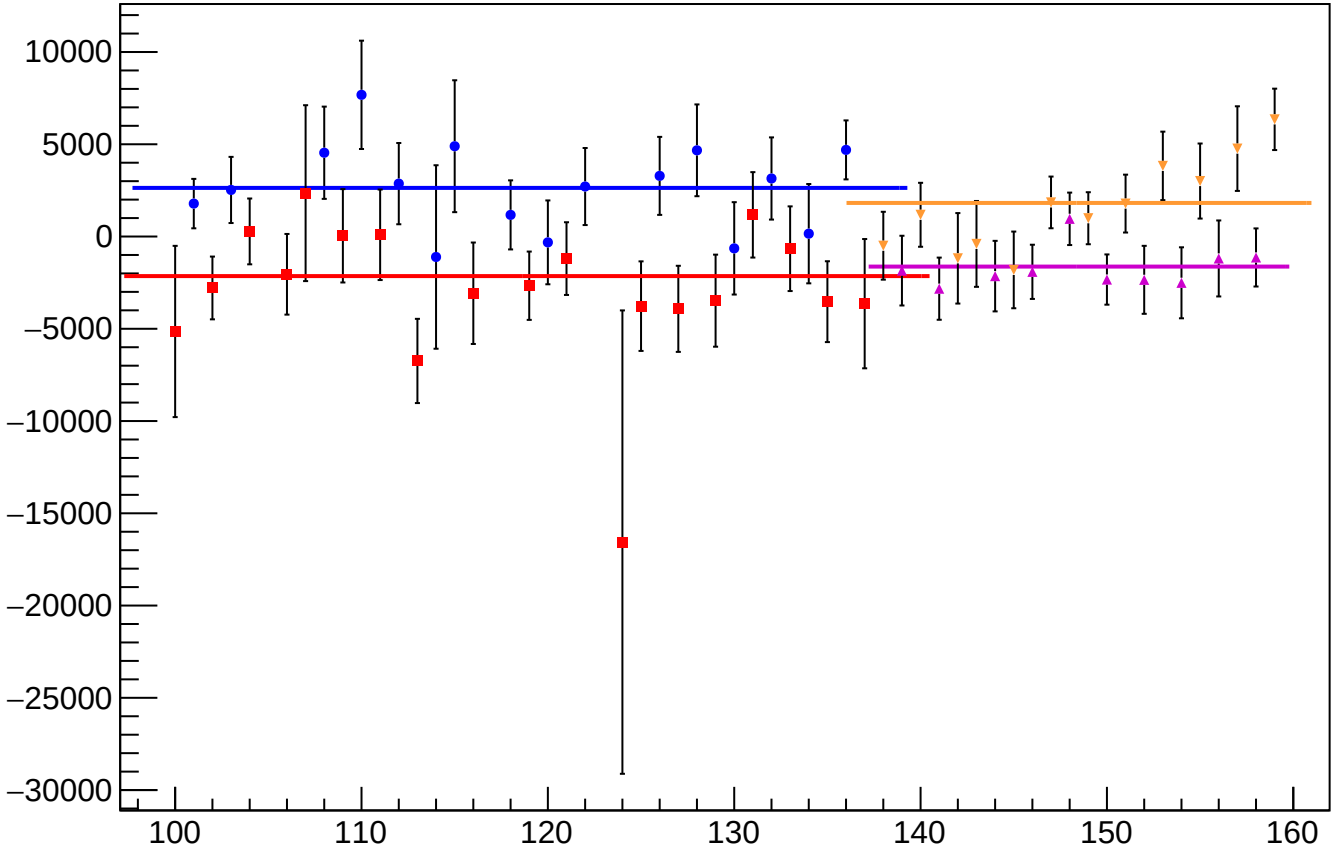
Left In: 378.552+/-0.091 χ^2/NDF:81.3/9

+ sign 378.281+/-0.065 χ^2/NDF: 1367.4/27

All: 378.712+/-0.047 χ^2/NDF: 101257.6/56

- sign 379.161+/-0.067 χ^2/NDF: 99801.2/28

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

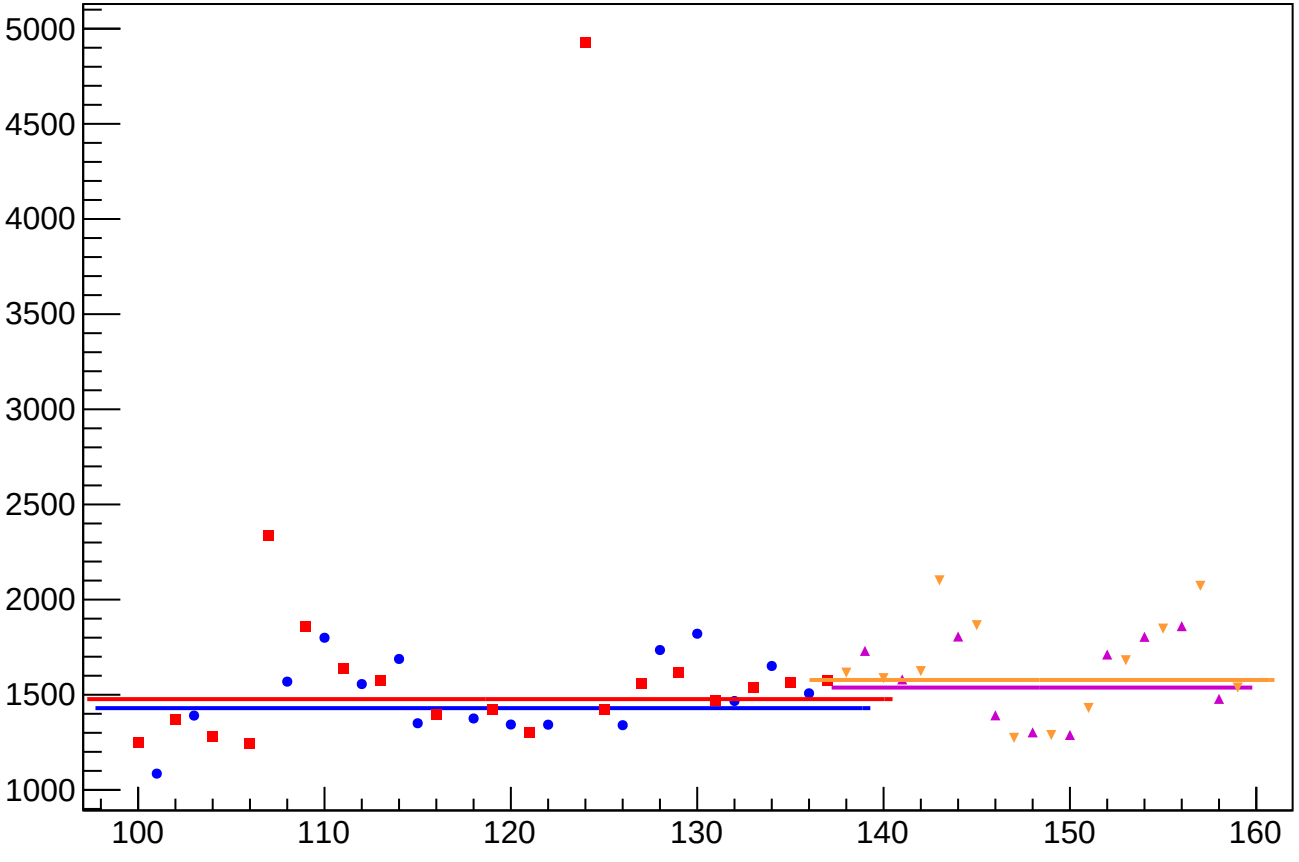
Left In: -1629.148+/-526.444 χ^2/NDF:4.7/9

+ sign 2213.094+/-373.484 χ^2/NDF: 31.6/27

All: 199.631+/-266.125 χ^2/NDF: 110.8/56

- sign -1877.009+/-379.299 χ^2/NDF: 20.2/28

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

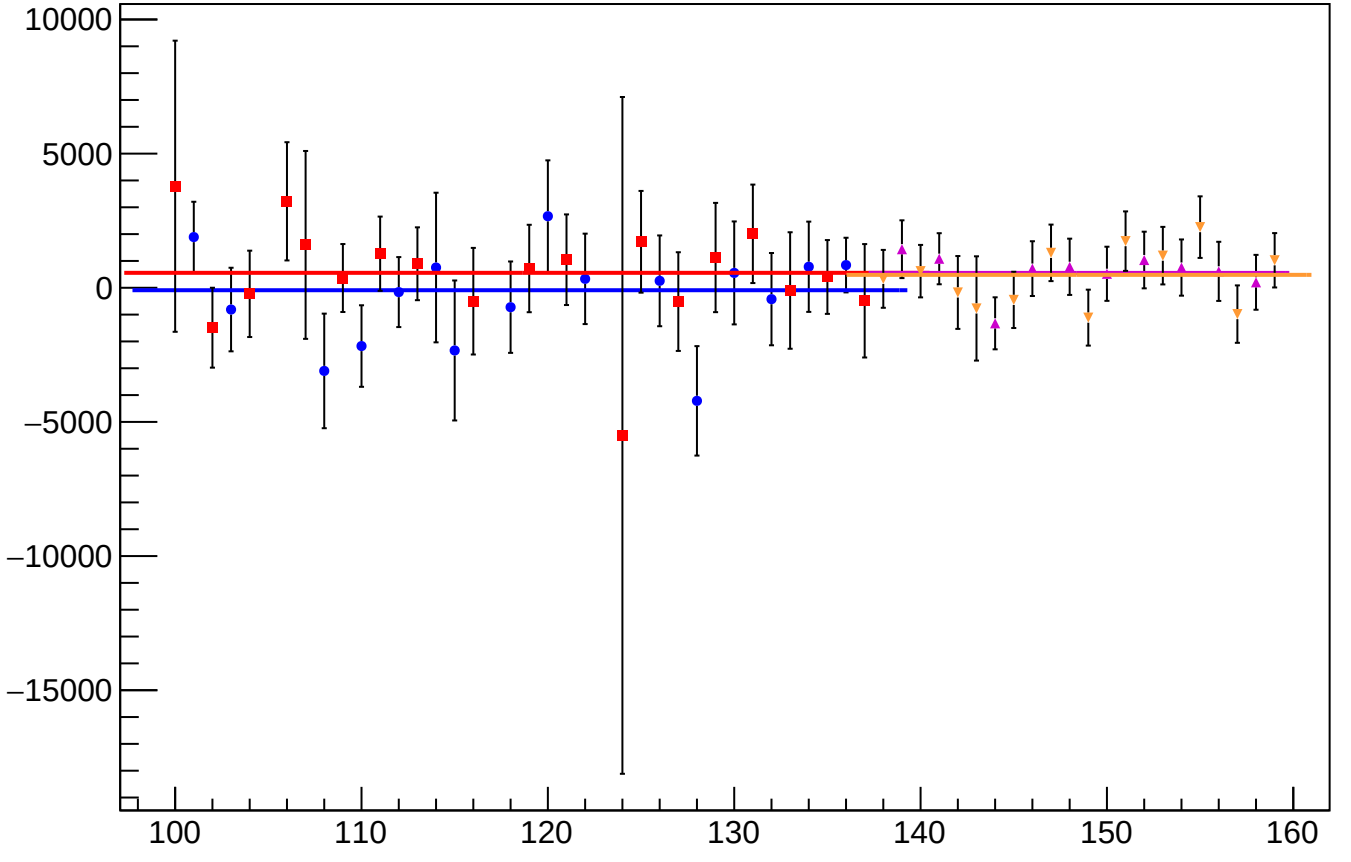
Left In: 1537.715+/-0.372 χ^2/NDF:311027.6/9

+ sign 1506.385+/-0.264 χ^2/NDF: 844885.8/27

All: 1507.465+/-0.188 χ^2/NDF: 1538117.6/56

- sign 1508.578+/-0.268 χ^2/NDF: 693197.9/28

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

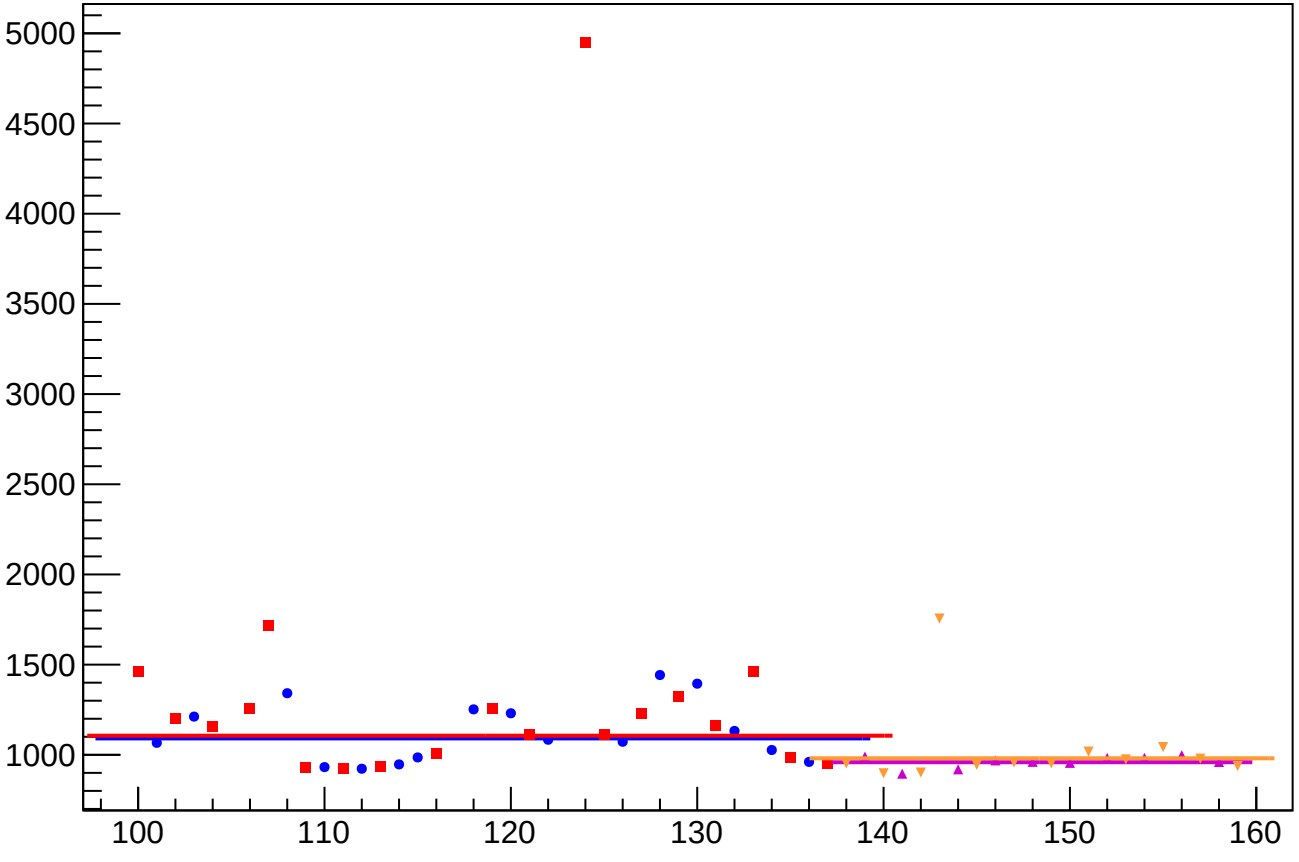
Left In: 554.008+/-324.951 χ^2/NDF:5.2/9

+ sign 264.156+/-252.510 χ^2/NDF: 26.5/27

All: 408.206+/-179.421 χ^2/NDF: 39.0/56

- sign 555.096+/-254.987 χ^2/NDF: 11.9/28

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

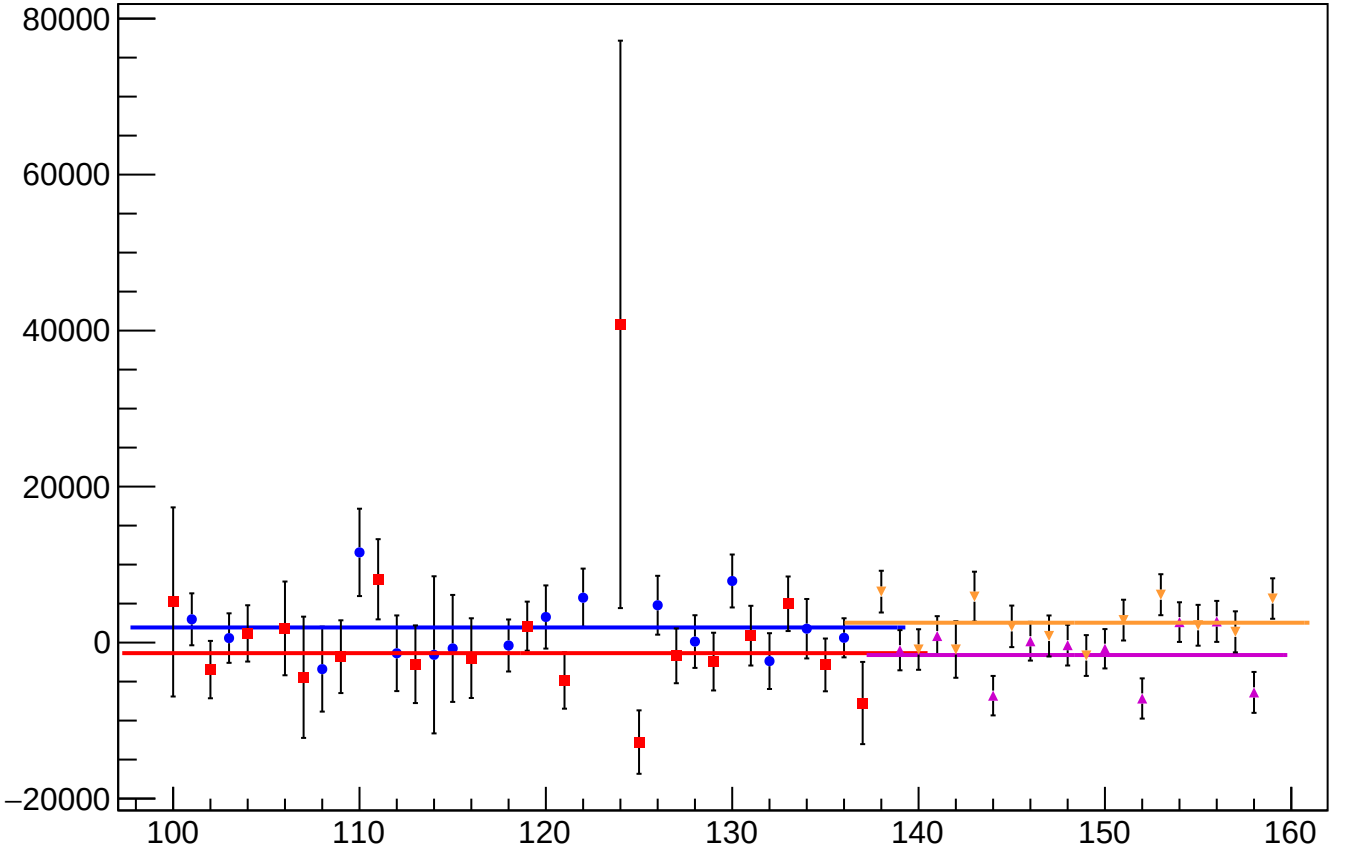
Left In: 959.066+/-0.230 χ^2/NDF:18722.8/9

+ sign 1022.628+/-0.179 χ^2/NDF: 724098.8/27

All: 1019.120+/-0.127 χ^2/NDF: 1414927.7/56

- sign 1015.544+/-0.180 χ^2/NDF: 690049.6/28

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

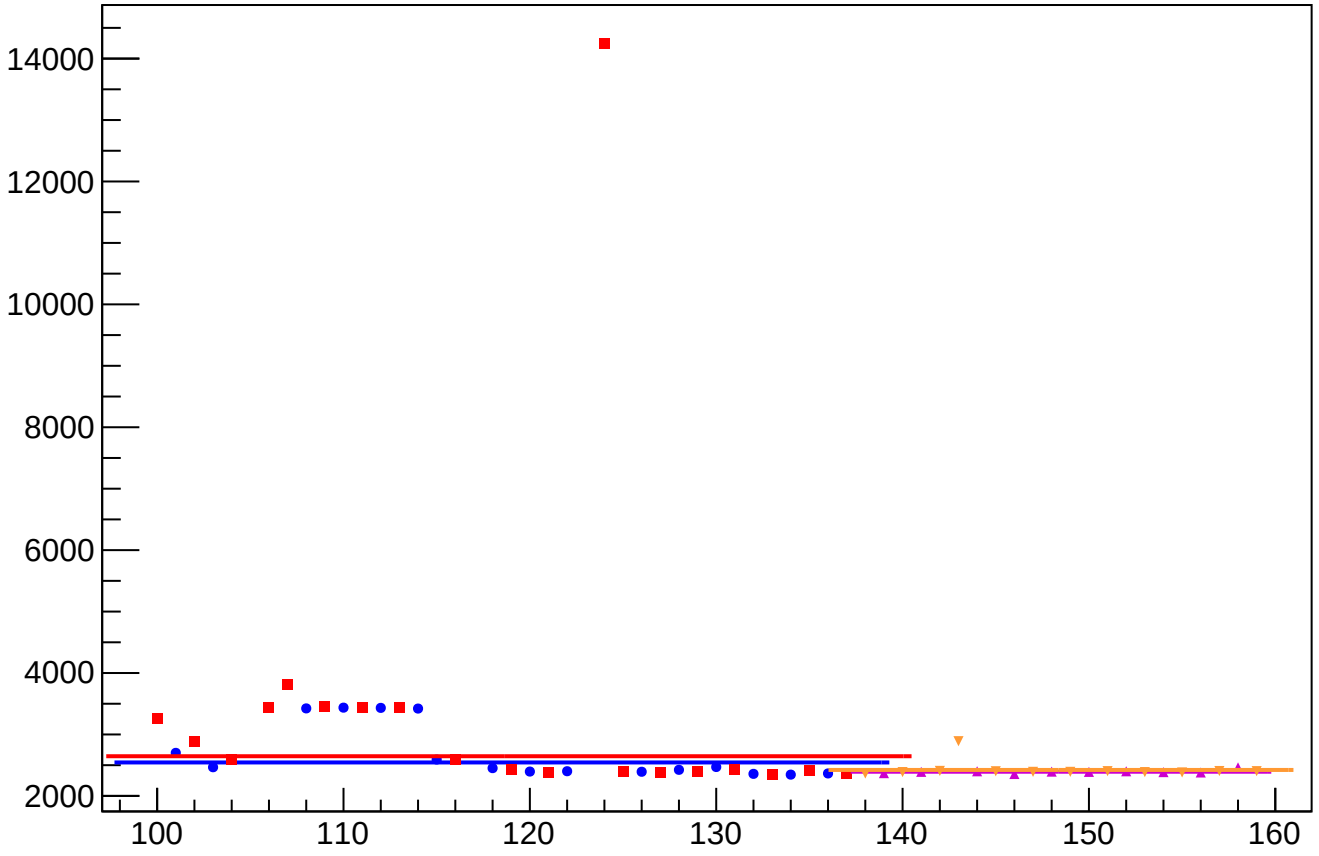
Left In: -1595.580+/-810.349 χ^2/NDF:19.5/9

+ sign 2301.326+/-605.703 χ^2/NDF: 25.0/27

All: 463.783+/-435.235 χ^2/NDF: 85.4/56

- sign -1497.854+/-625.821 χ^2/NDF: 41.3/28

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

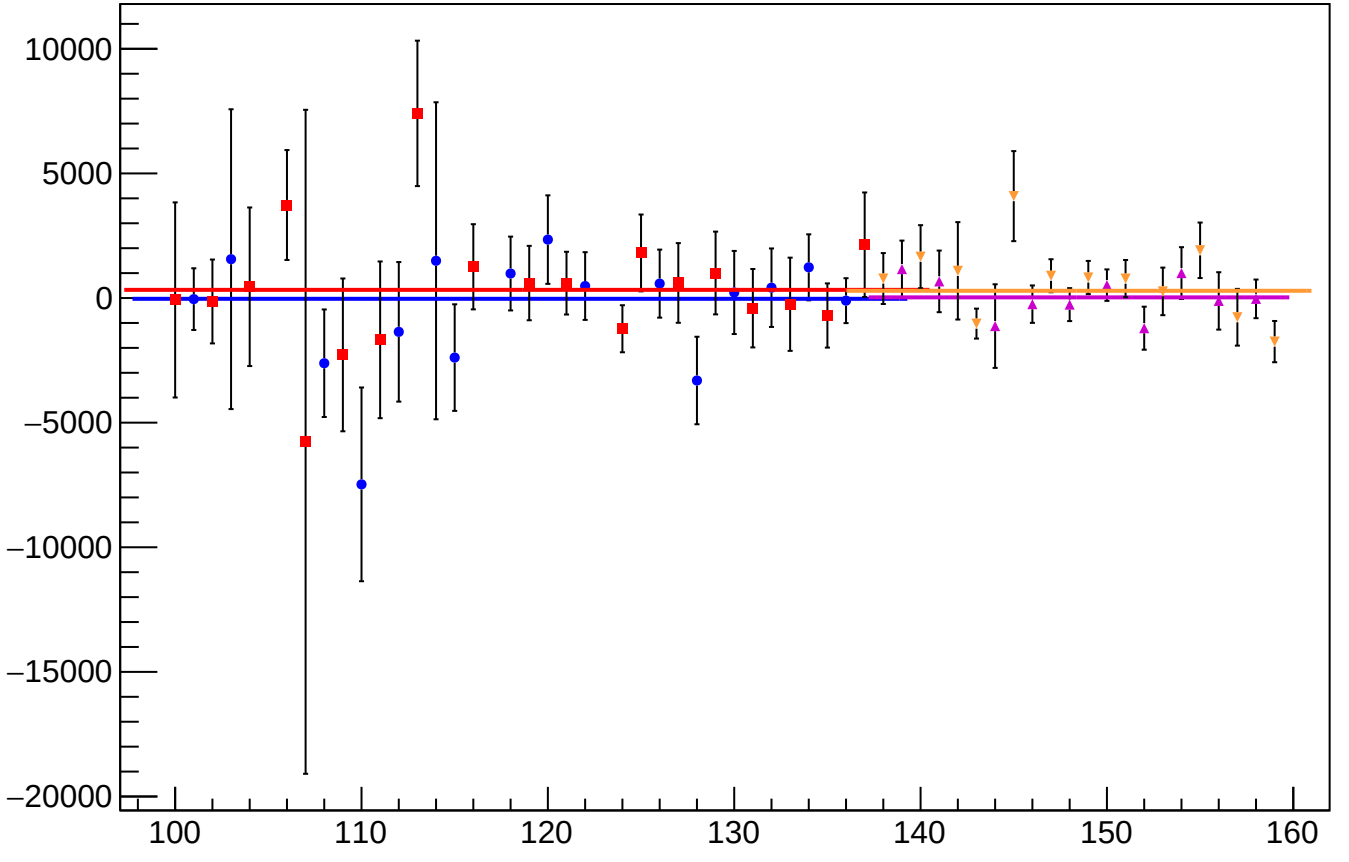
Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

+ sign 2471.693+/-0.428 χ^2/NDF: 291158.1/27

All: 2483.087+/-0.308 χ^2/NDF: 909885.7/56

- sign 2495.250+/-0.443 χ^2/NDF: 617264.4/28

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

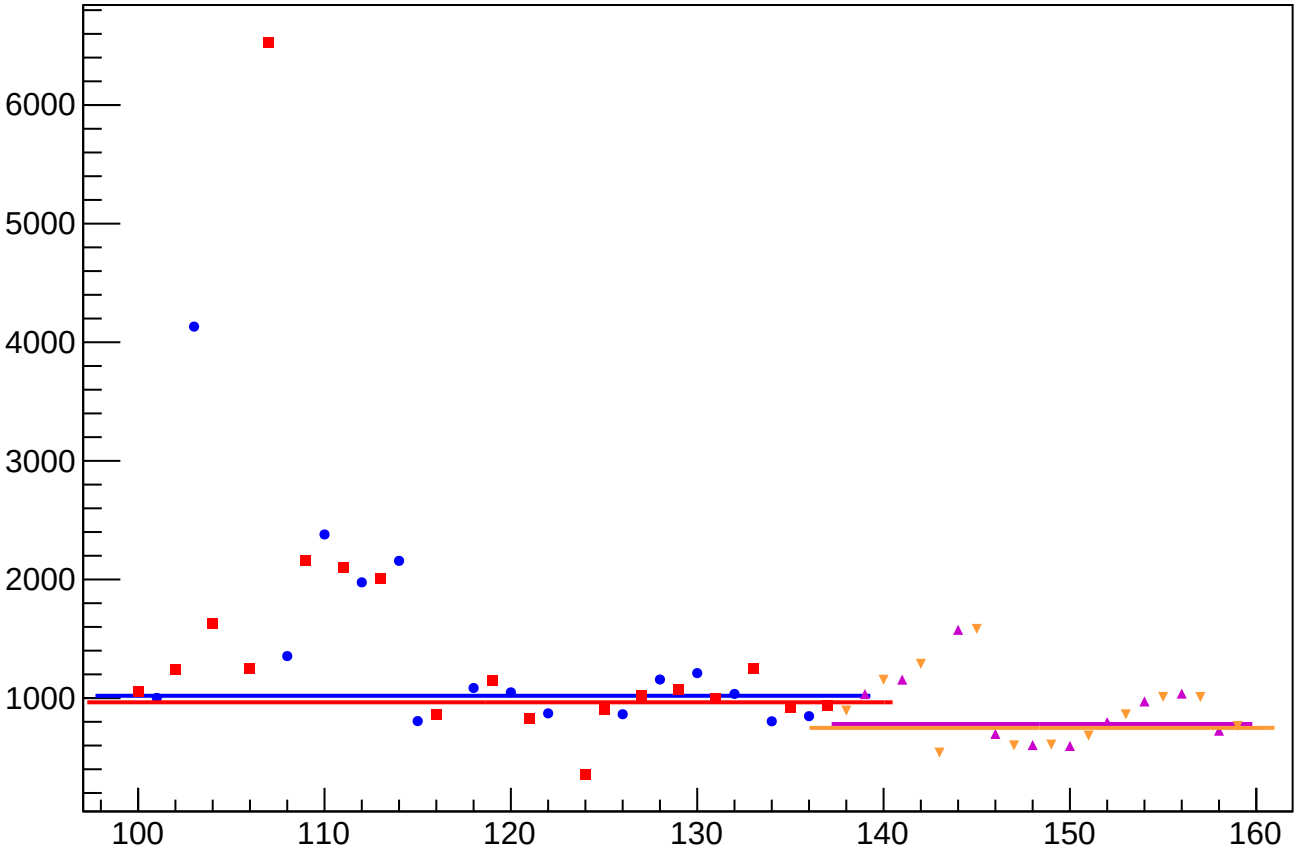
Left In: 26.753+/-276.968 χ^2/NDF:5.6/9

+ sign 199.817+/-215.905 χ^2/NDF: 36.0/27

All: 164.357+/-156.588 χ^2/NDF: 57.7/56

- sign 125.007+/-227.444 χ^2/NDF: 21.6/28

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

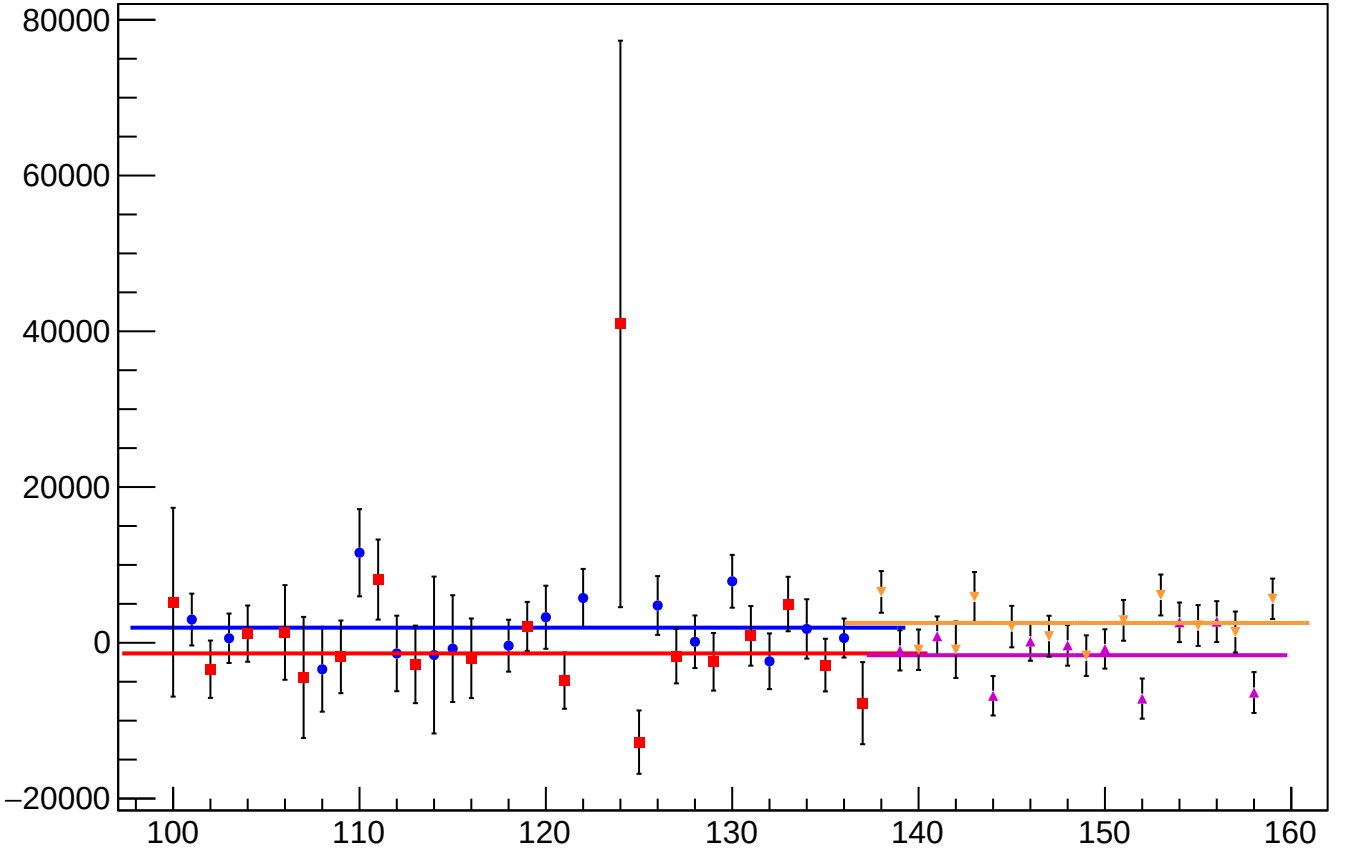
Left In: 781.541+/-0.196 χ^2/NDF:1247225.2/9

+ sign 825.470+/-0.153 χ^2/NDF: 3517904.0/27

All: 832.870+/-0.111 χ^2/NDF: 7363266.8/56

- sign 841.081+/-0.161 χ^2/NDF: 3840406.6/28

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

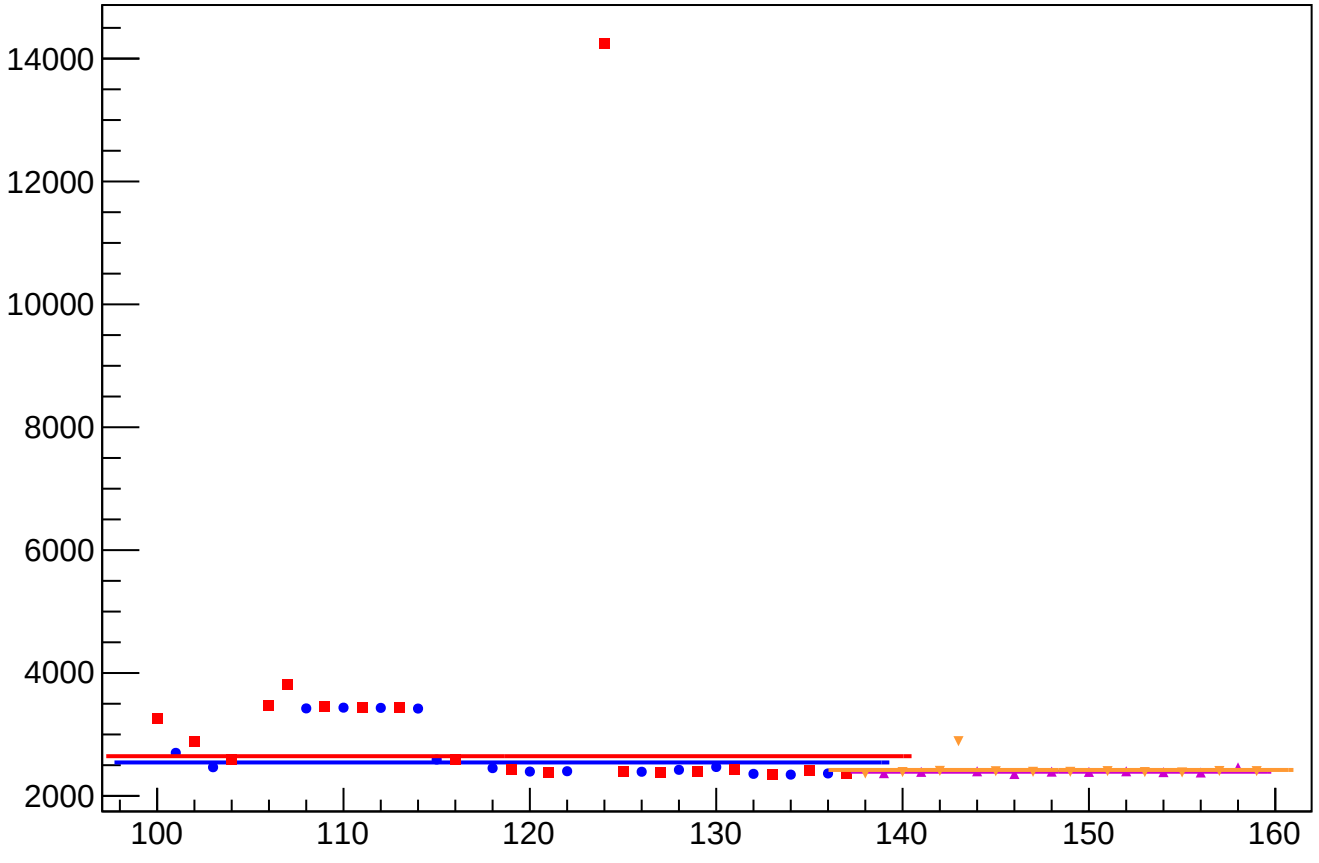
Left In: -1595.771+/-810.349 χ^2/NDF:19.5/9

+ sign 2301.404+/-605.703 χ^2/NDF: 25.0/27

All: 462.100+/-435.261 χ^2/NDF: 85.3/56

- sign -1501.901+/-625.898 χ^2/NDF: 41.2/28

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

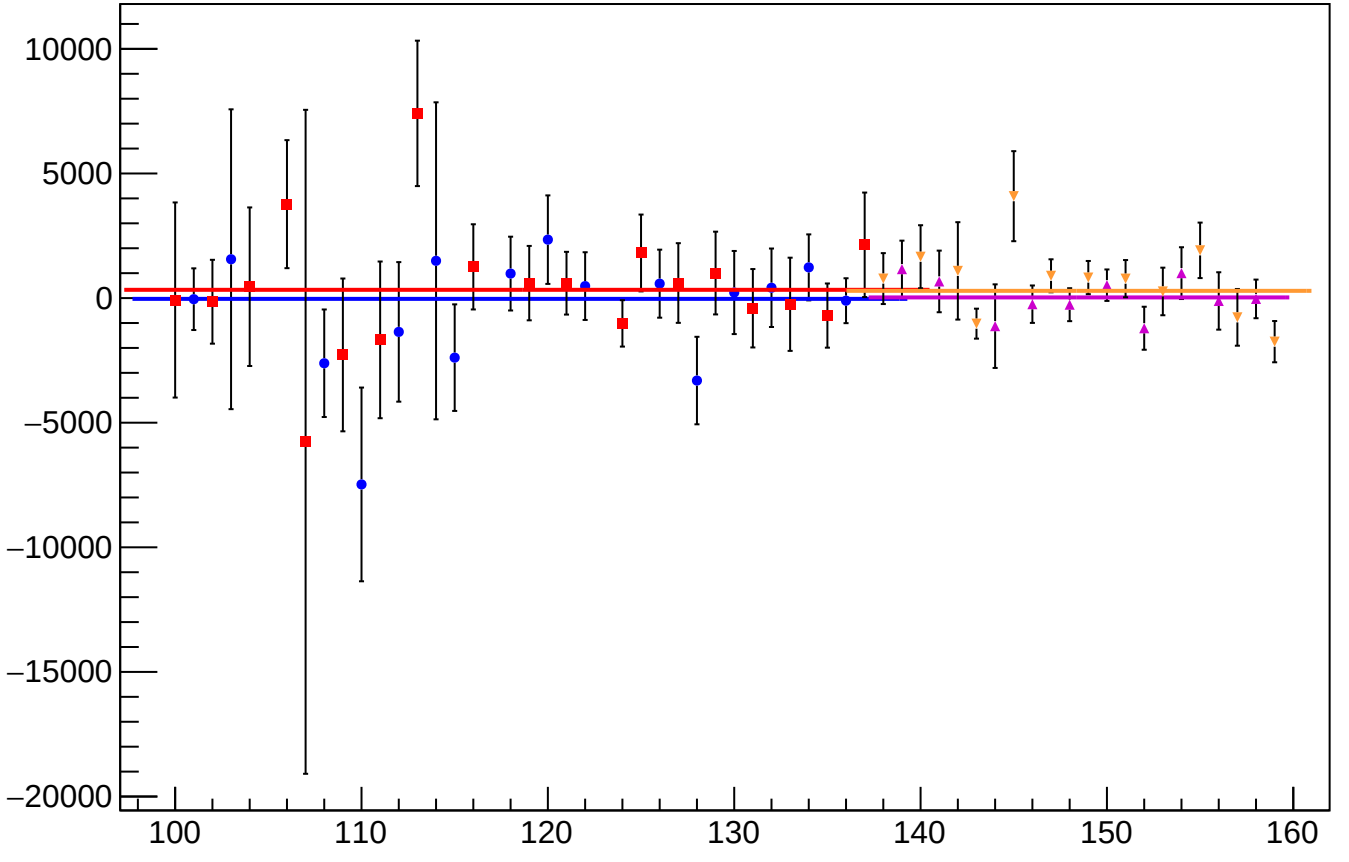
Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

+ sign 2471.693+/-0.428 χ^2/NDF: 291158.1/27

All: 2483.176+/-0.308 χ^2/NDF: 912807.1/56

- sign 2495.437+/-0.443 χ^2/NDF: 620162.7/28

asym_atl1_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

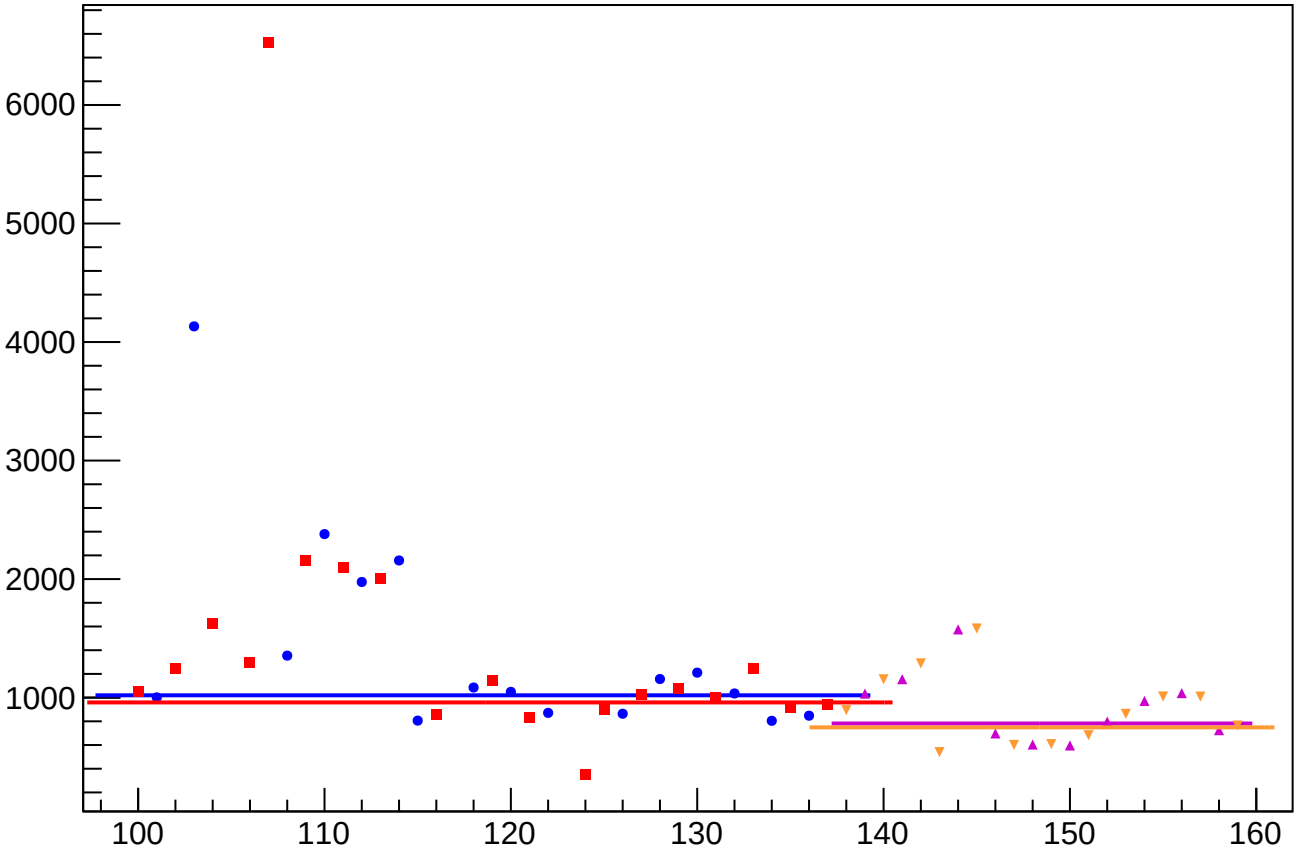
Left In: 26.724+/-276.967 χ^2/NDF:5.6/9

+ sign 199.689+/-215.907 χ^2/NDF: 36.0/27

All: 164.720+/-156.635 χ^2/NDF: 56.4/56

- sign 125.865+/-227.585 χ^2/NDF: 20.4/28

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

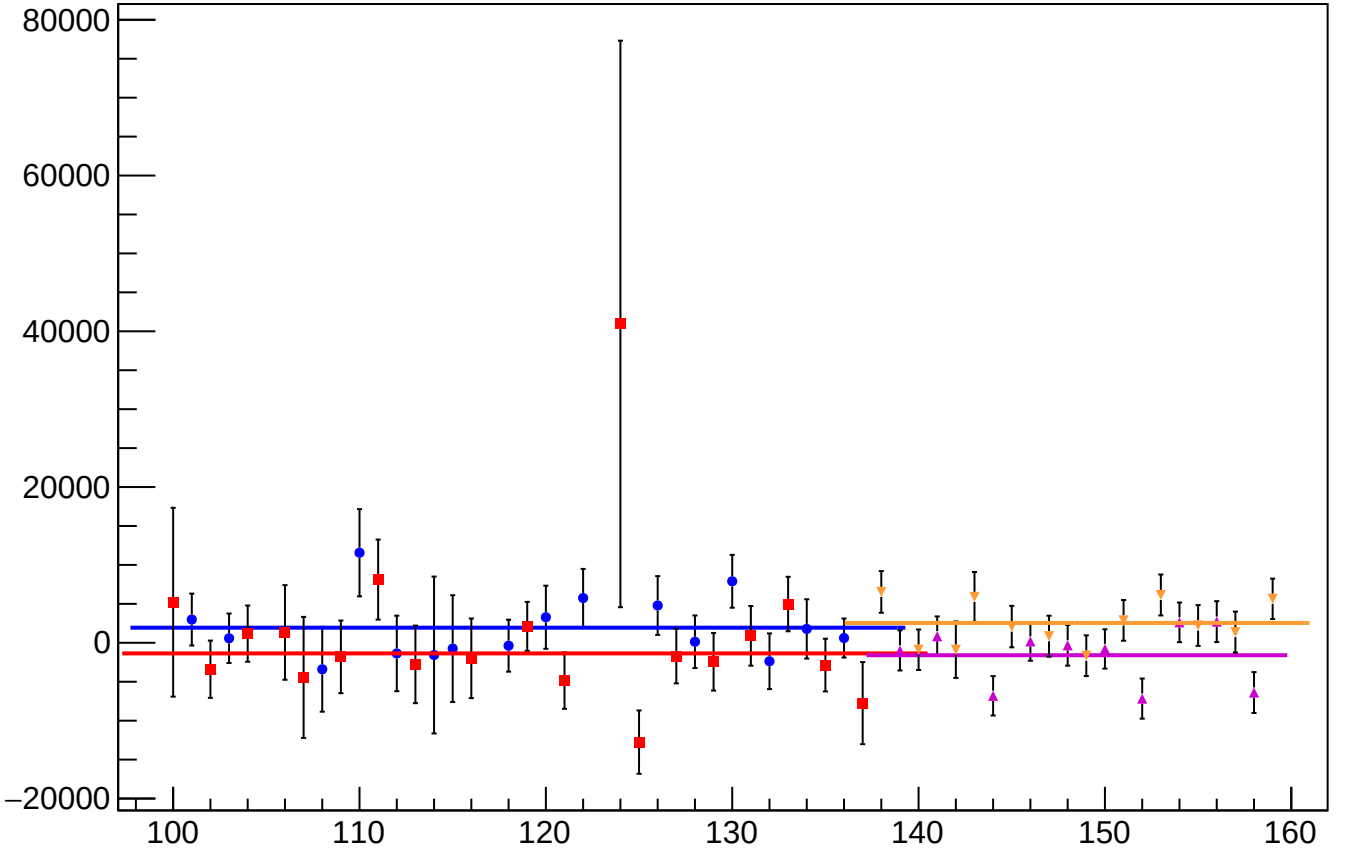
Left In: 781.535+/-0.196 χ^2/NDF:1247320.1/9

+ sign 825.480+/-0.153 χ^2/NDF: 3517779.5/27

All: 832.020+/-0.111 χ^2/NDF: 7381139.1/56

- sign 839.287+/-0.161 χ^2/NDF: 3859485.2/28

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

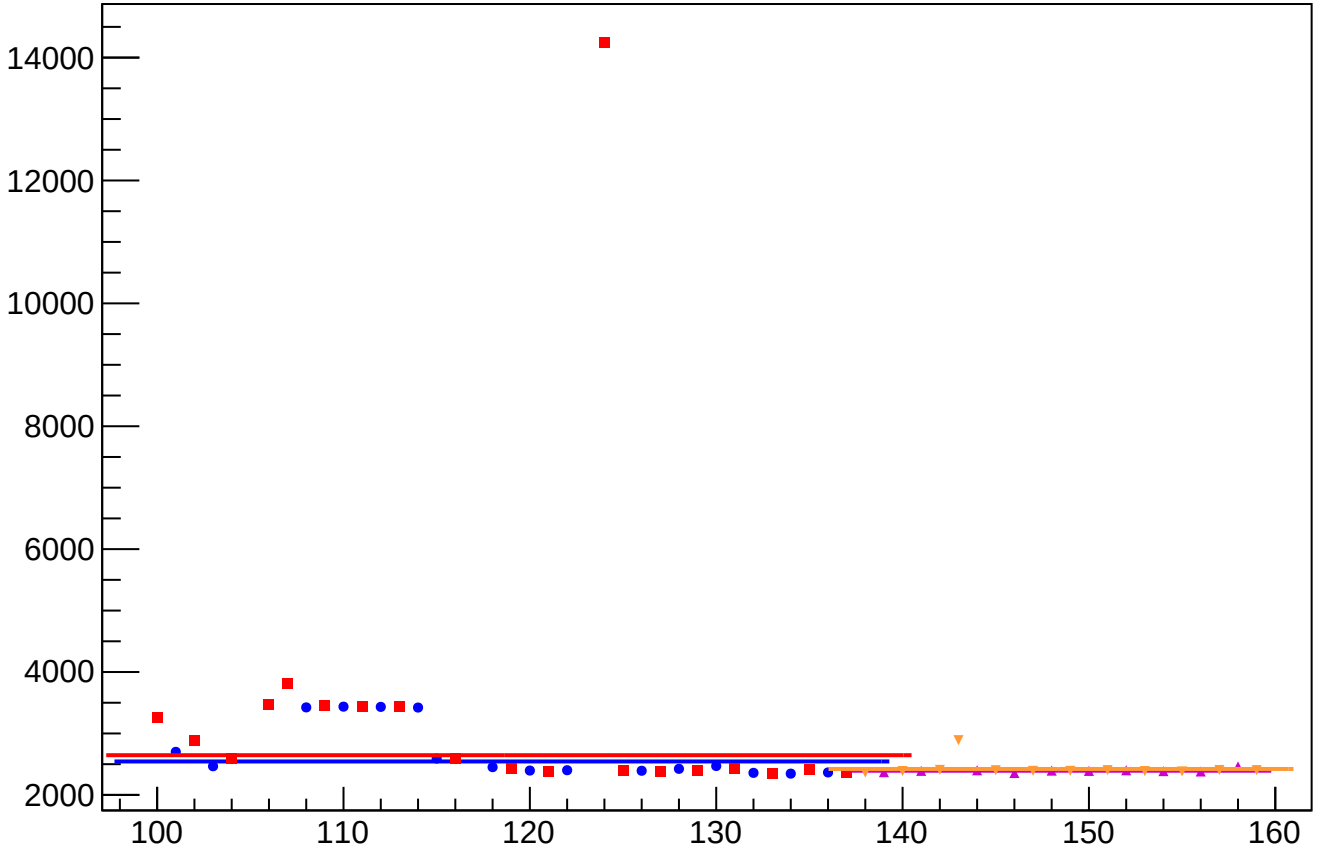
Left In: -1595.771+/-810.349 χ^2/NDF:19.5/9

+ sign 2301.404+/-605.703 χ^2/NDF: 25.0/27

All: 462.100+/-435.261 χ^2/NDF: 85.3/56

- sign -1501.901+/-625.898 χ^2/NDF: 41.2/28

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

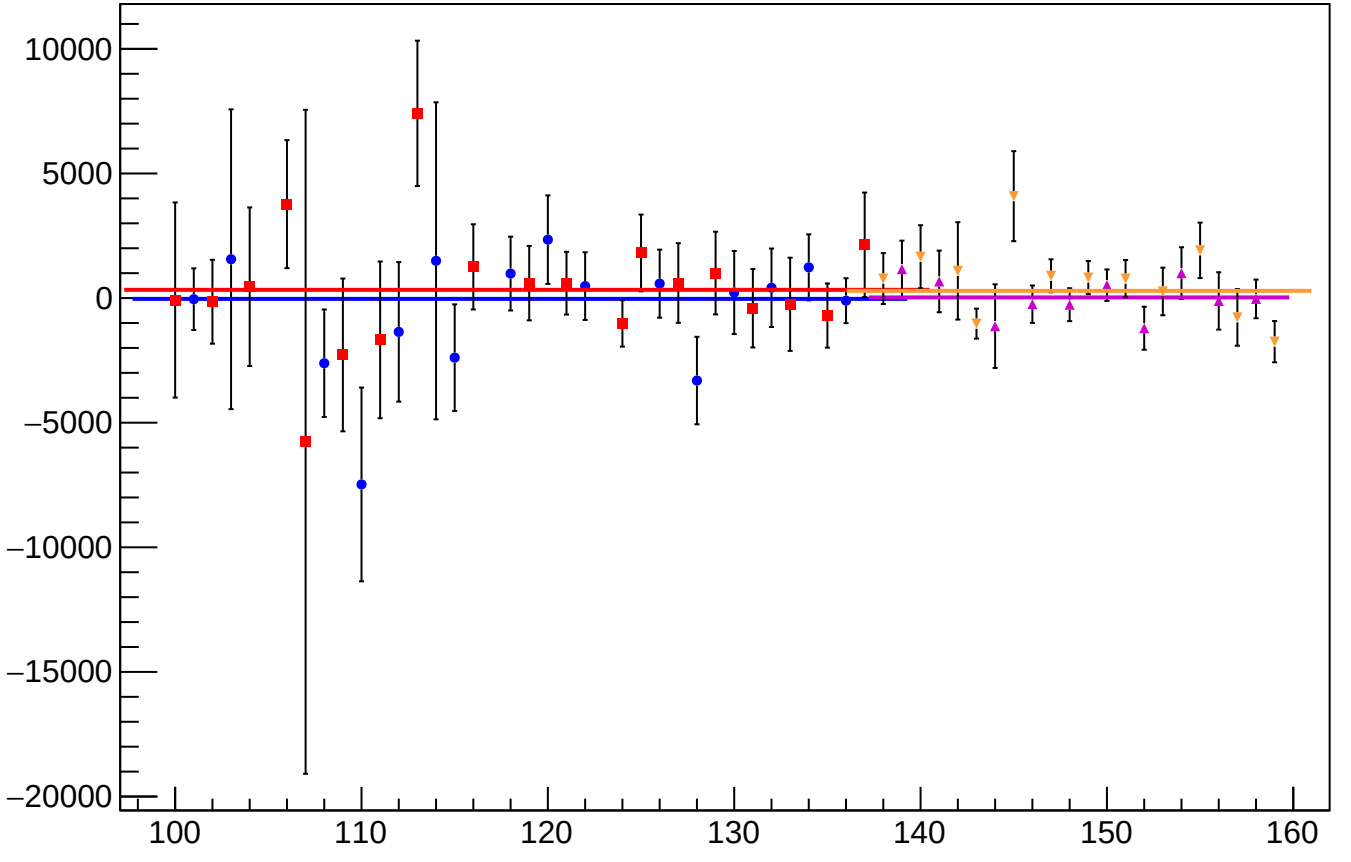
Left In: 2393.484+/-0.573 χ^2/NDF:2141.4/9

+ sign 2471.693+/-0.428 χ^2/NDF: 291158.1/27

All: 2483.176+/-0.308 χ^2/NDF: 912807.1/56

- sign 2495.437+/-0.443 χ^2/NDF: 620162.7/28

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

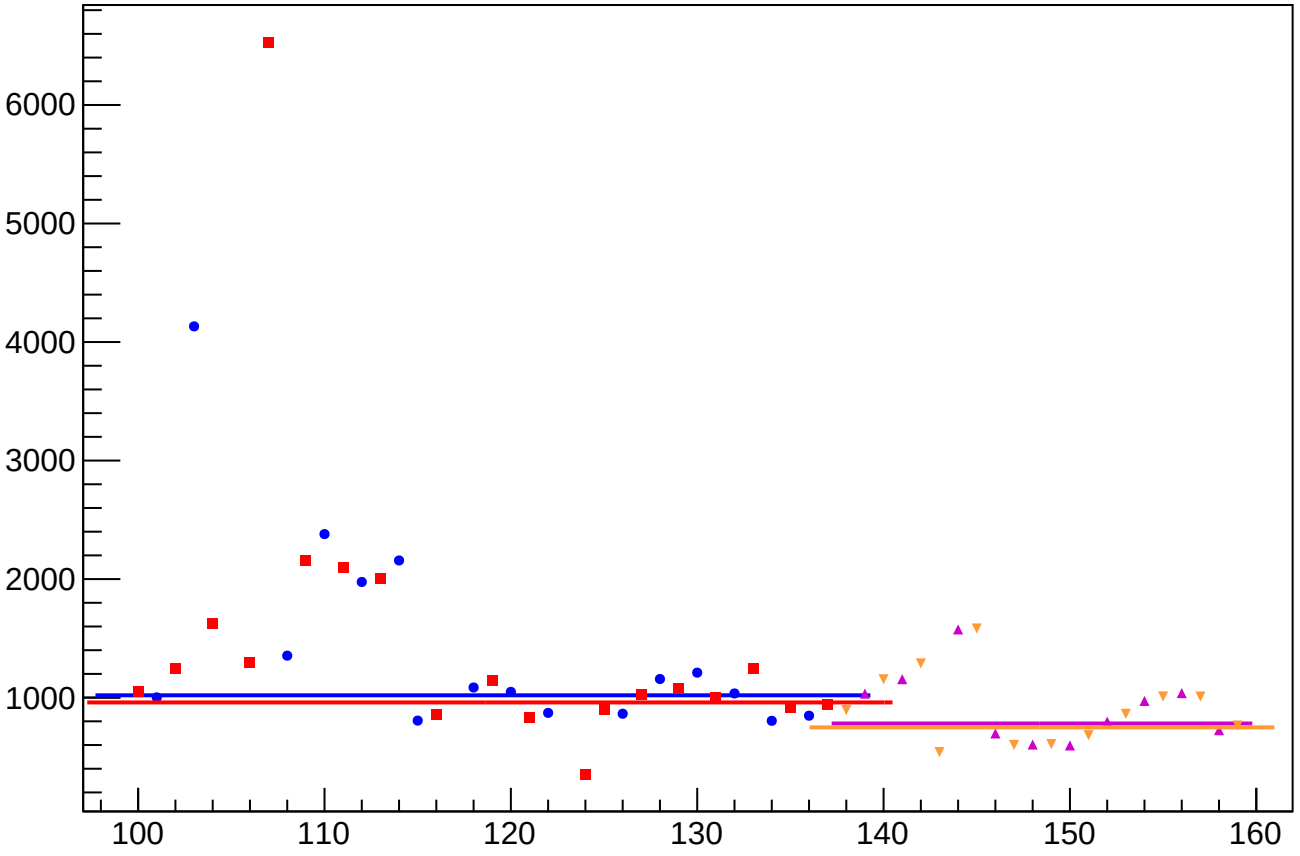
Left In: 26.724+/-276.967 χ^2/NDF:5.6/9

+ sign 199.689+/-215.907 χ^2/NDF: 36.0/27

All: 164.720+/-156.635 χ^2/NDF: 56.4/56

- sign 125.865+/-227.585 χ^2/NDF: 20.4/28

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

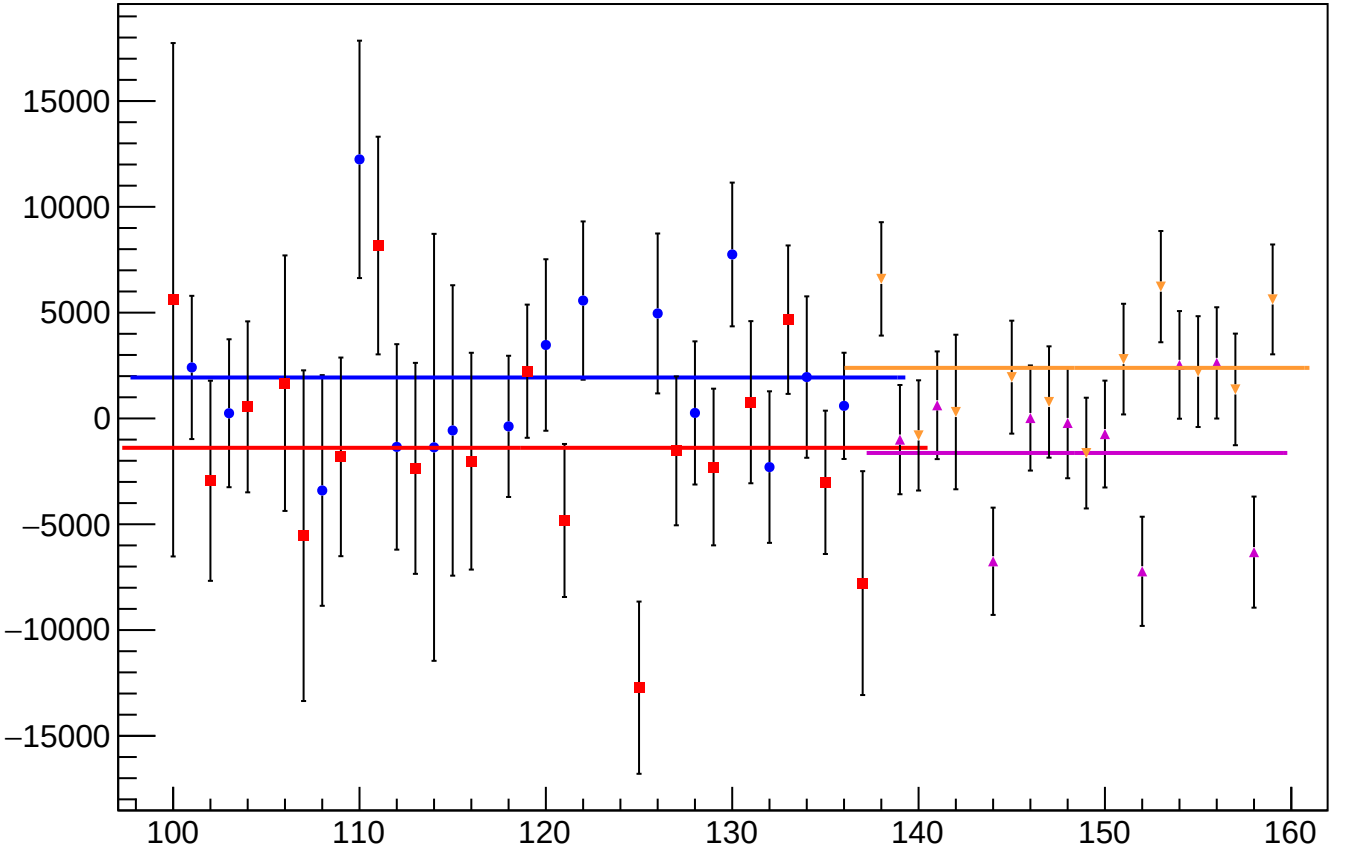
Left In: 781.535+/-0.196 χ^2/NDF:1247320.1/9

+ sign 825.480+/-0.153 χ^2/NDF: 3517779.5/27

All: 832.020+/-0.111 χ^2/NDF: 7381139.1/56

- sign 839.287+/-0.161 χ^2/NDF: 3859485.2/28

dit_asym_atl1_mean vs Slug



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

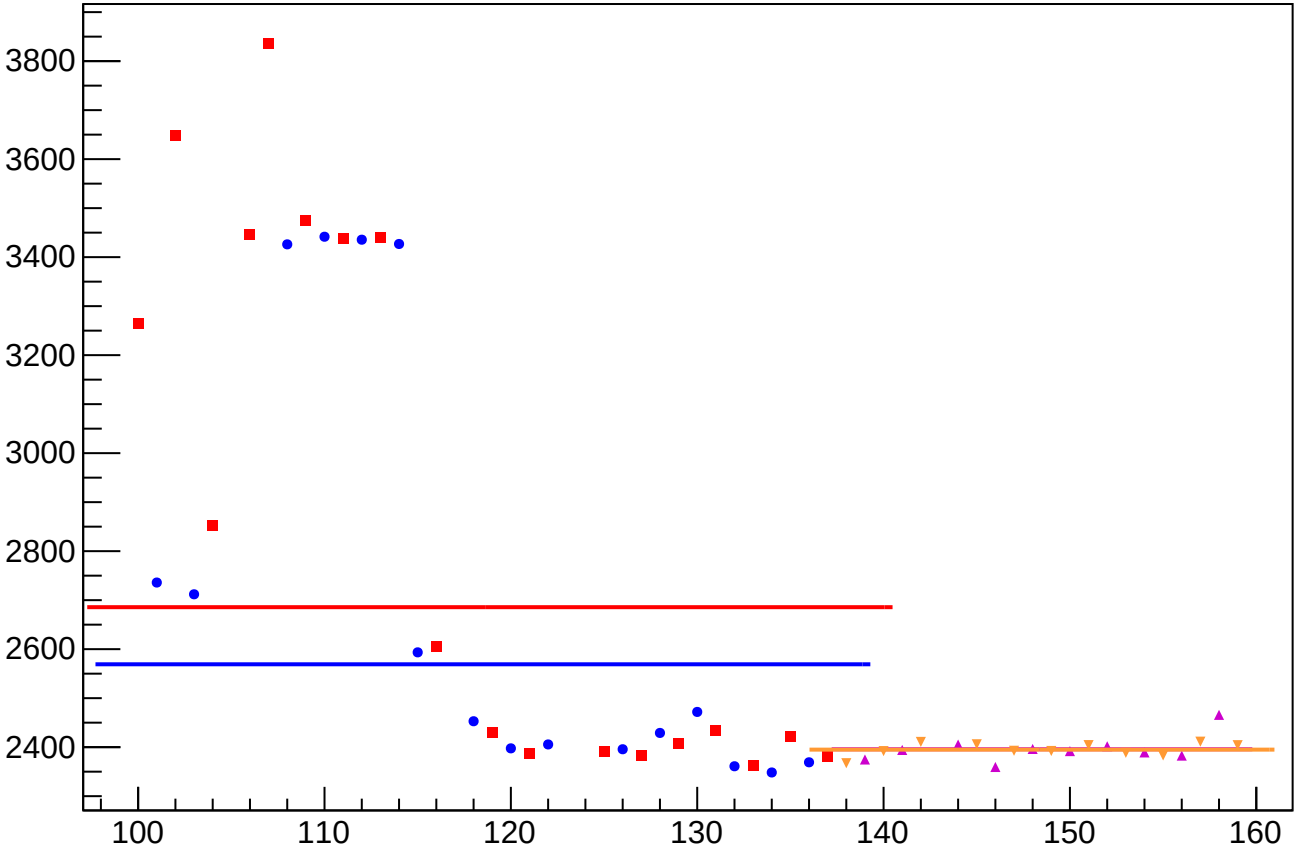
Left In: -1631.203+/-811.125 χ^2/NDF:19.0/9

+ sign 2201.699+/-620.006 χ^2/NDF: 23.4/26

All: 369.476+/-442.661 χ^2/NDF: 80.0/54

- sign -1535.567+/-632.206 χ^2/NDF: 38.8/27

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

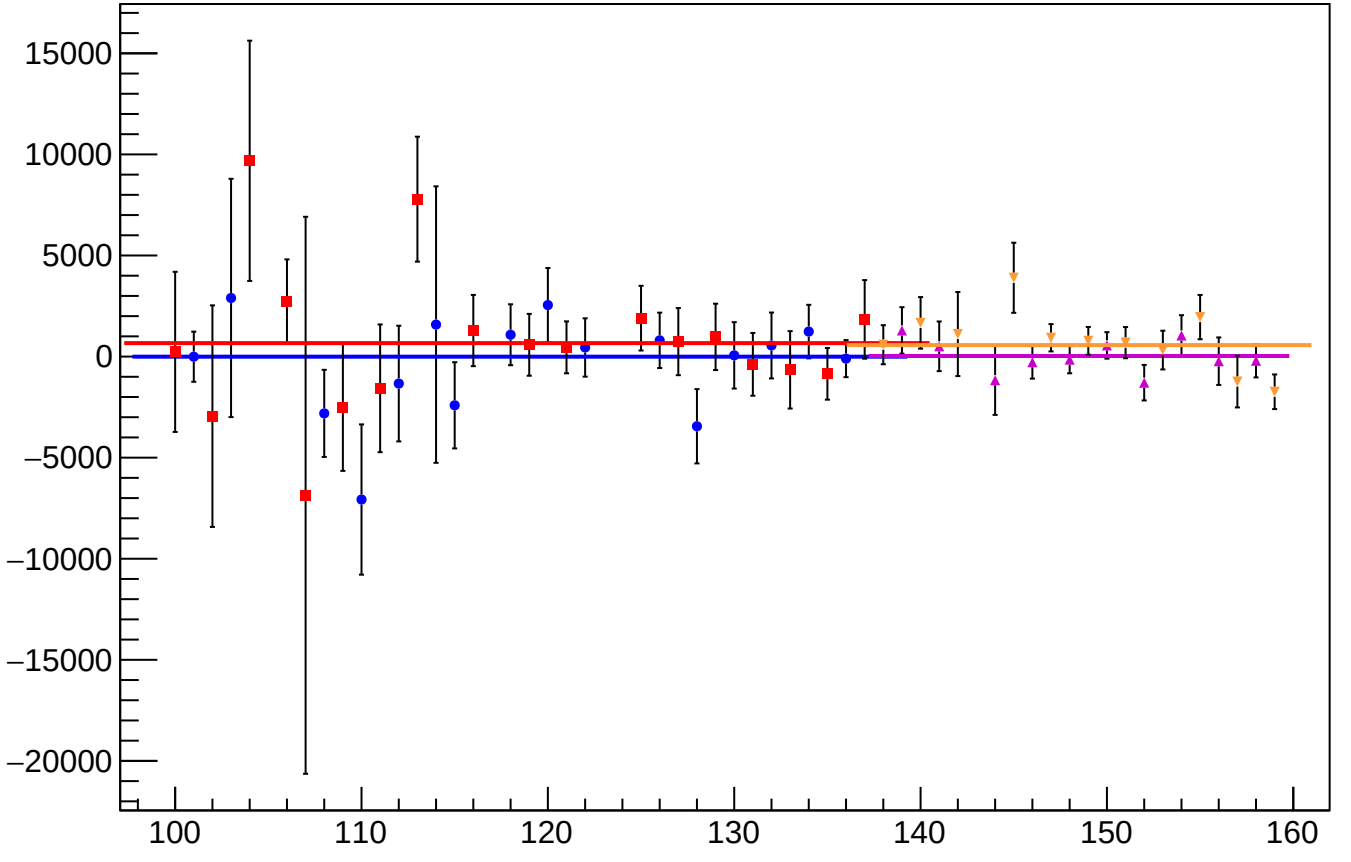
Left In: 2395.760+/-0.574 χ^2/NDF:2092.0/9

+ sign 2467.264+/-0.438 χ^2/NDF: 268270.9/26

All: 2487.997+/-0.313 χ^2/NDF: 794475.0/54

- sign 2509.553+/-0.447 χ^2/NDF: 521642.6/27

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

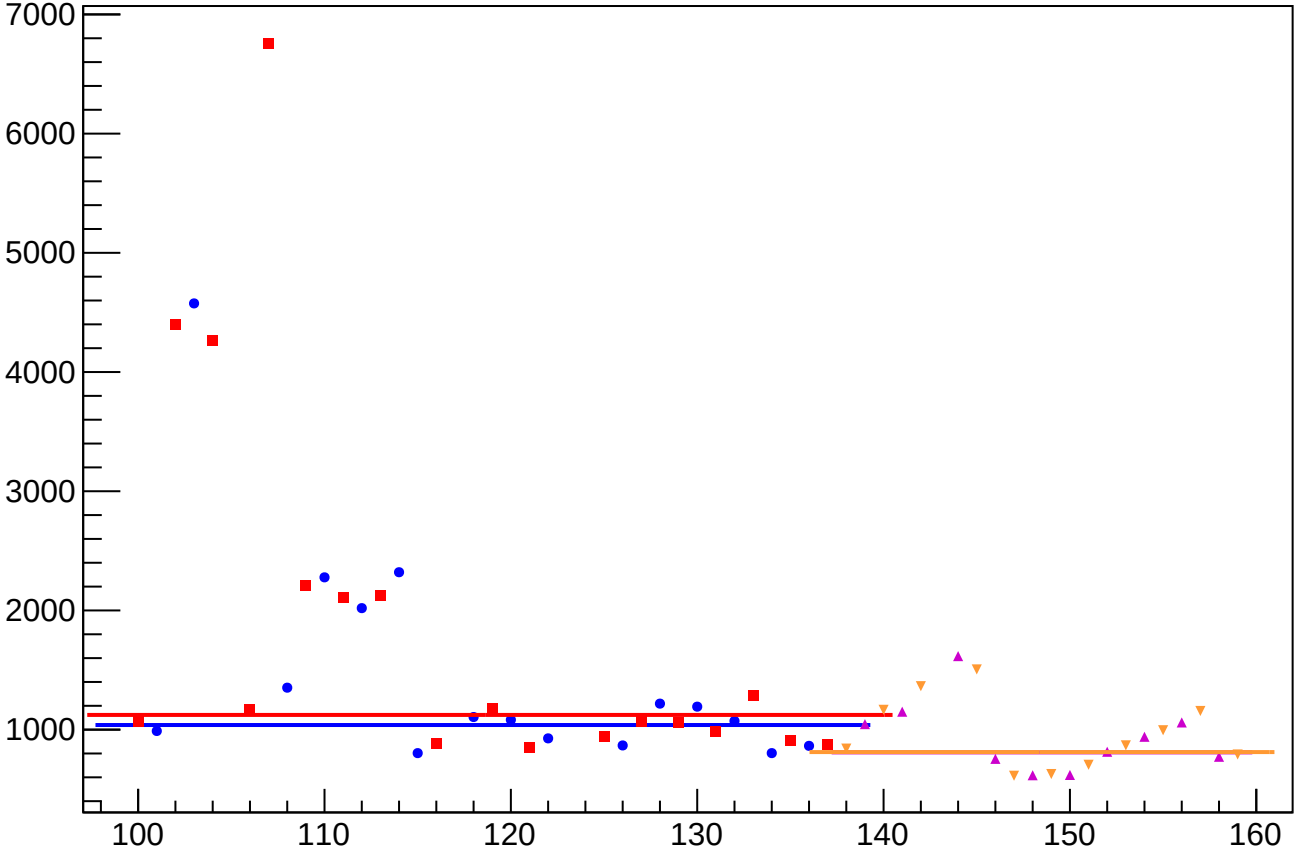
Left In: 28.478+/-285.331 χ^2/NDF:6.1/9

+ sign 381.296+/-235.543 χ^2/NDF: 31.7/26

All: 295.884+/-168.976 χ^2/NDF: 53.8/54

- sign 205.315+/-242.548 χ^2/NDF: 21.9/27

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

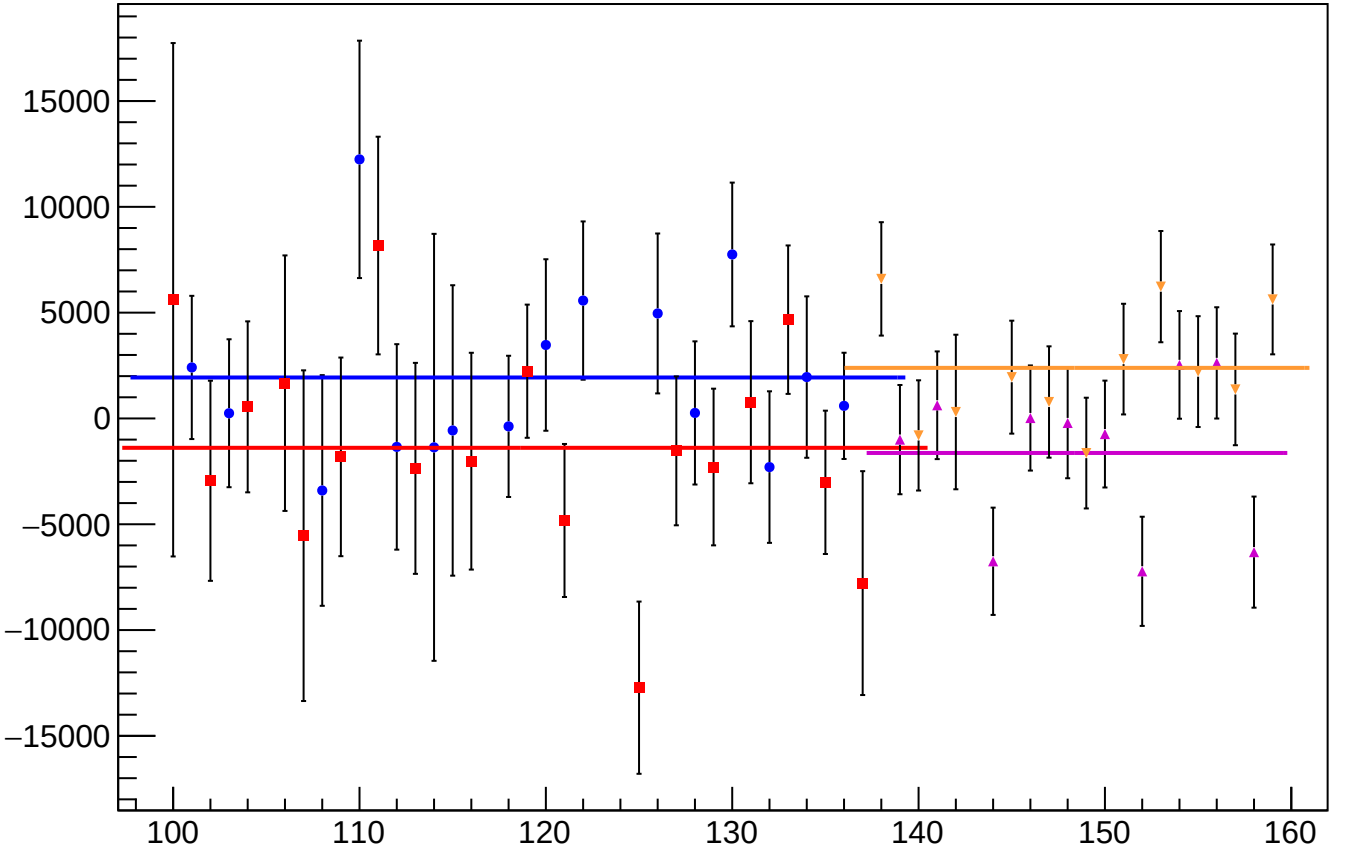
Left In: 809.257+/-0.202 χ^2/NDF:1149126.8/9

+ sign 885.917+/-0.167 χ^2/NDF: 3129739.0/26

All: 891.016+/-0.119 χ^2/NDF: 7489133.5/54

- sign 896.422+/-0.172 χ^2/NDF: 4357463.7/27

eigen_dit_asym_atl1_mean vs Slug



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

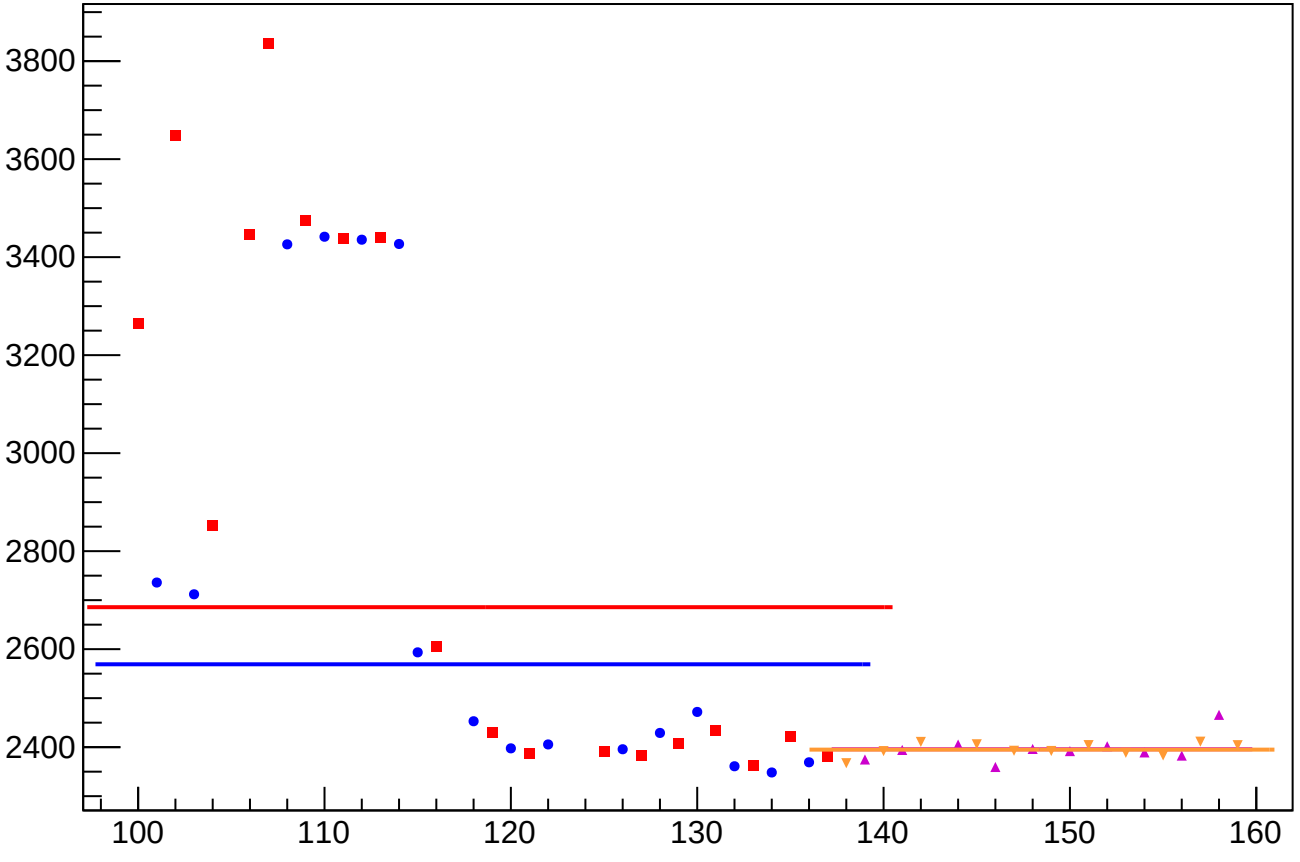
Left In: -1631.203+/-811.125 χ^2/NDF:19.0/9

+ sign 2201.698+/-620.006 χ^2/NDF: 23.4/26

All: 369.476+/-442.661 χ^2/NDF: 80.0/54

- sign -1535.566+/-632.206 χ^2/NDF: 38.8/27

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

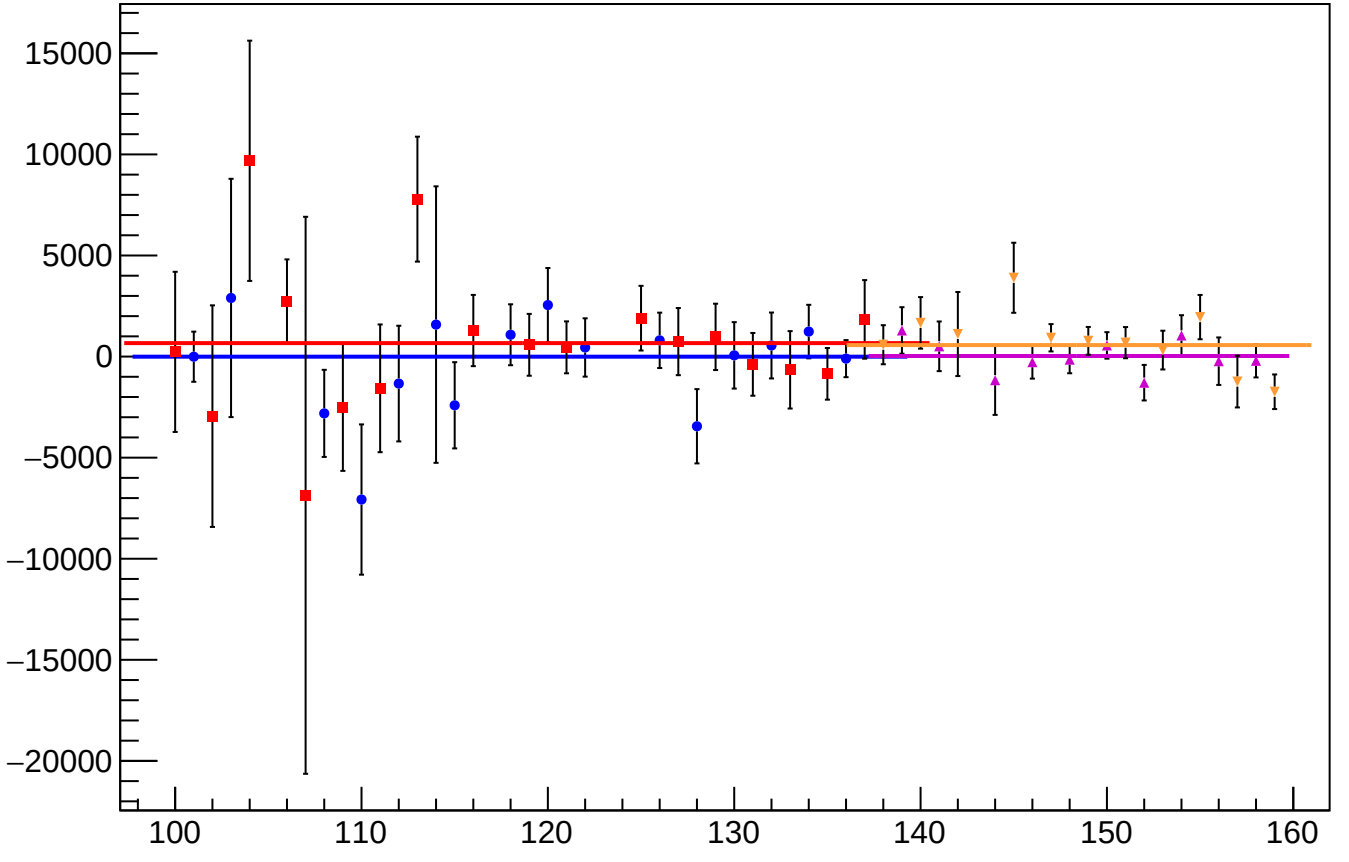
Left In: 2395.760+/-0.574 χ^2/NDF:2092.0/9

+ sign 2467.264+/-0.438 χ^2/NDF: 268270.5/26

All: 2487.997+/-0.313 χ^2/NDF: 794473.7/54

- sign 2509.553+/-0.447 χ^2/NDF: 521641.7/27

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

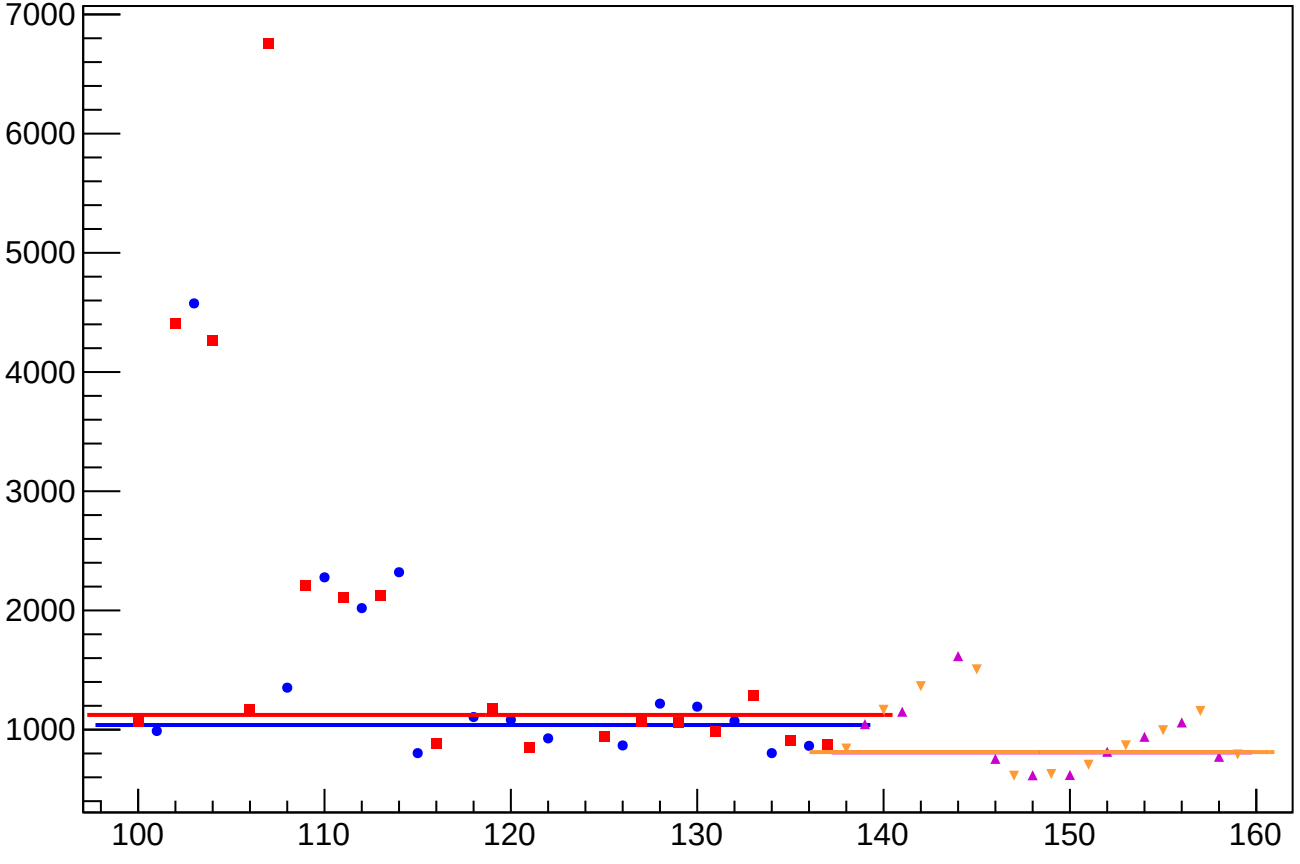
Left In: 28.477+/-285.332 χ^2/NDF:6.1/9

+ sign 381.294+/-235.543 χ^2/NDF: 31.7/26

All: 295.883+/-168.976 χ^2/NDF: 53.8/54

- sign 205.315+/-242.548 χ^2/NDF: 21.9/27

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

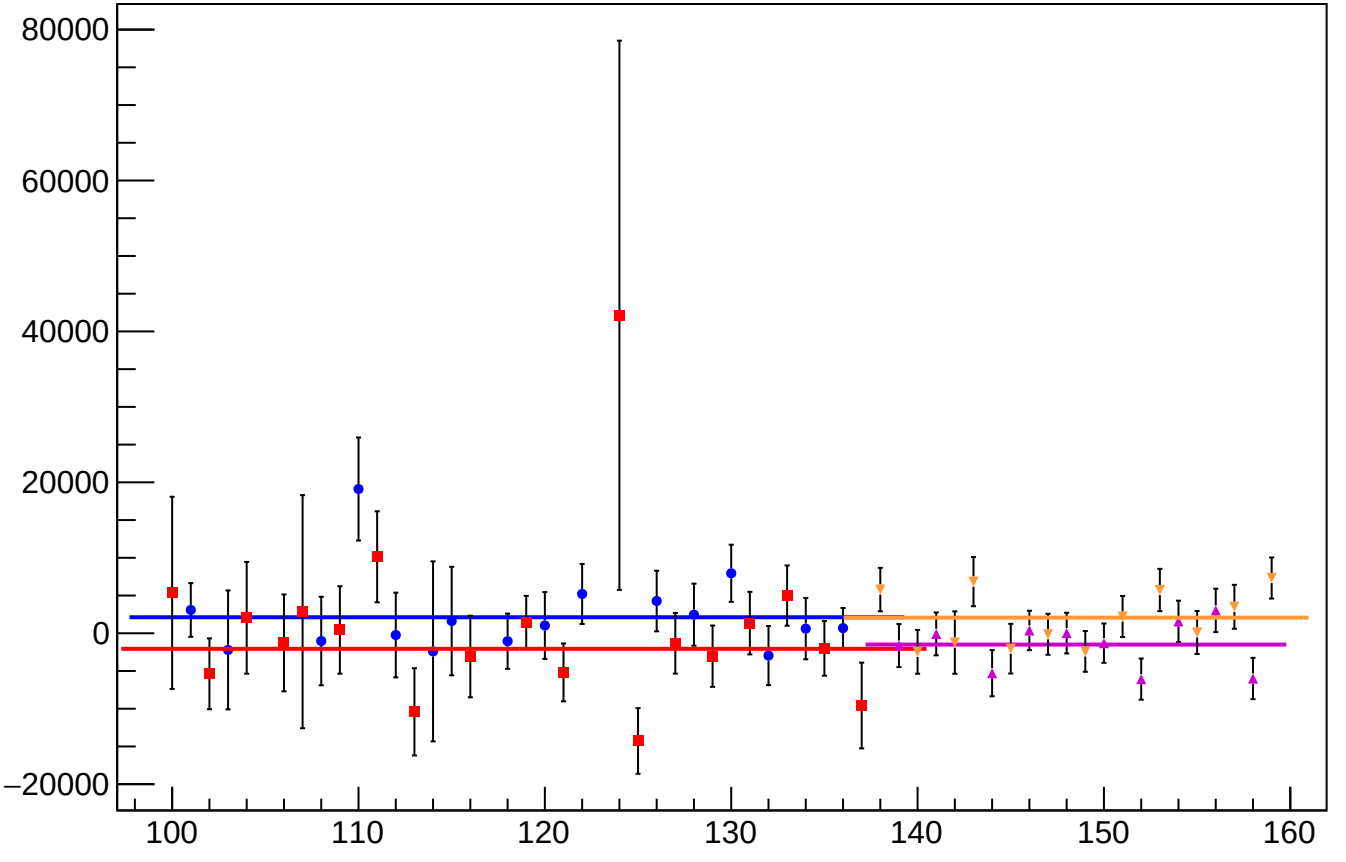
Left In: 809.259+/-0.202 χ^2/NDF:1149124.2/9

+ sign 885.918+/-0.167 χ^2/NDF: 3129727.5/26

All: 891.017+/-0.119 χ^2/NDF: 7489111.2/54

- sign 896.423+/-0.172 χ^2/NDF: 4357452.9/27

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

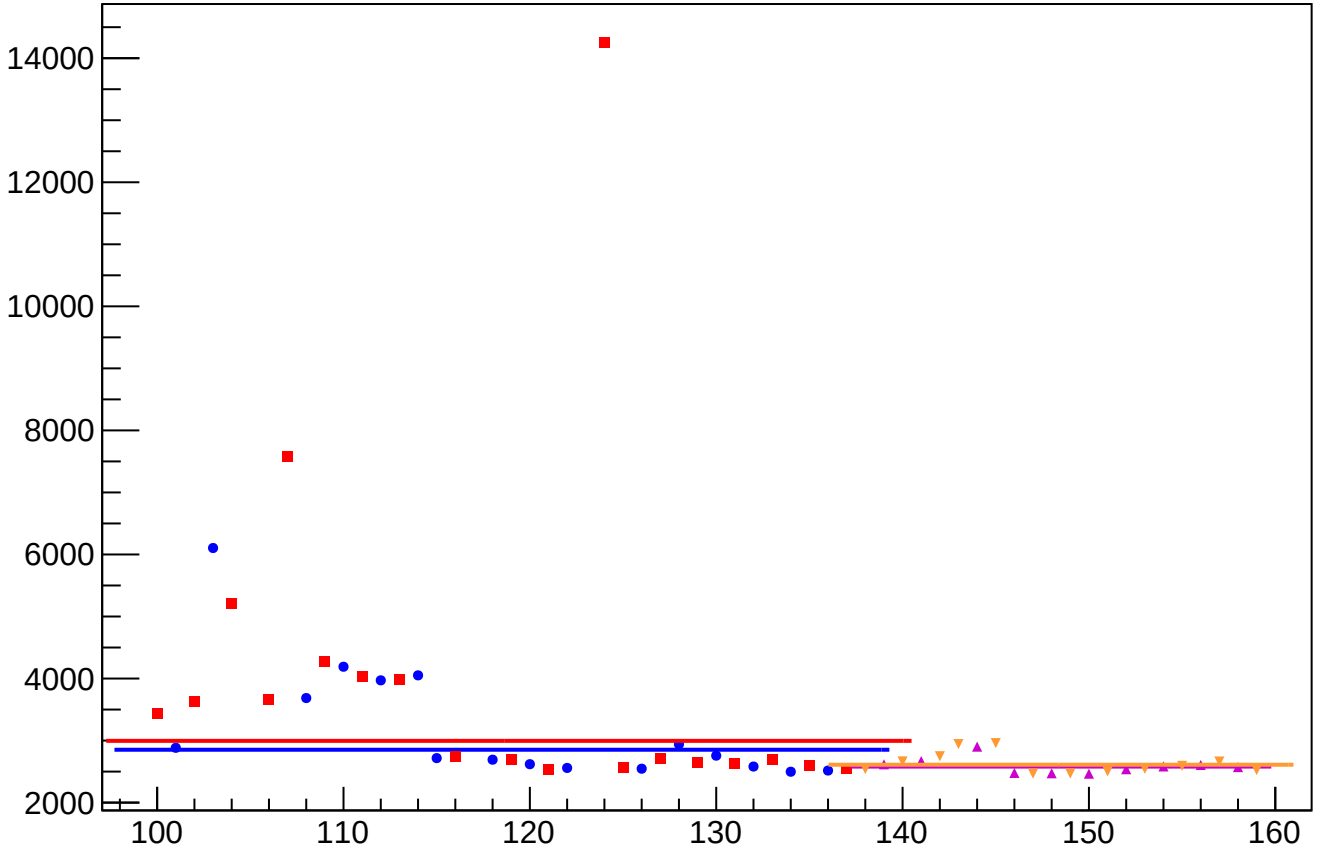
Left In: -1496.258+/-874.773 χ^2/NDF:11.8/9

+ sign 2088.552+/-667.330 χ^2/NDF: 31.4/27

All: 263.695+/-480.784 χ^2/NDF: 83.3/56

- sign -1705.823+/-693.276 χ^2/NDF: 36.3/28

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

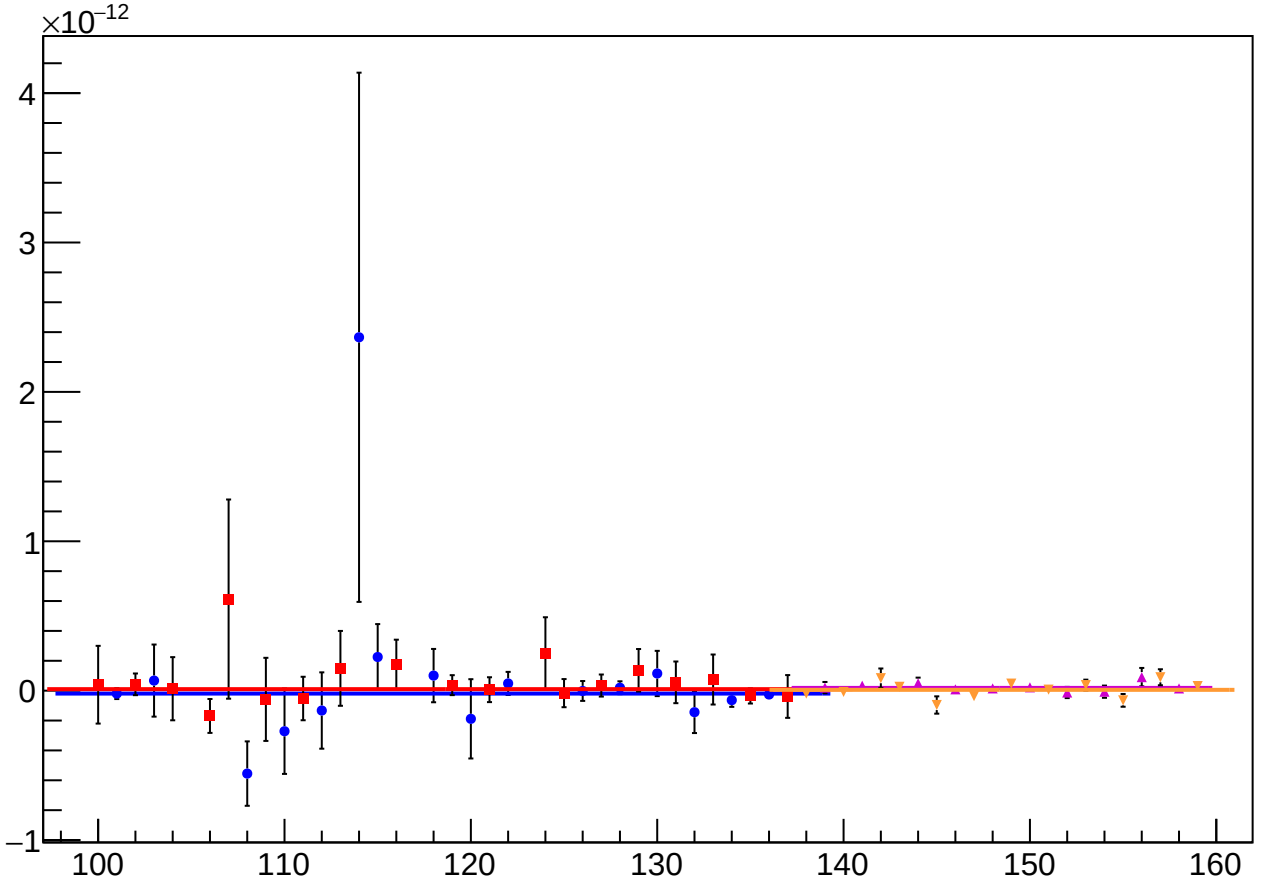
Left In: 2580.551+/-0.619 χ^2/NDF:35154.9/9

+ sign 2701.986+/-0.472 χ^2/NDF: 775760.8/27

All: 2717.808+/-0.340 χ^2/NDF: 1959808.5/56

- sign 2734.884+/-0.490 χ^2/NDF: 1181709.9/28

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

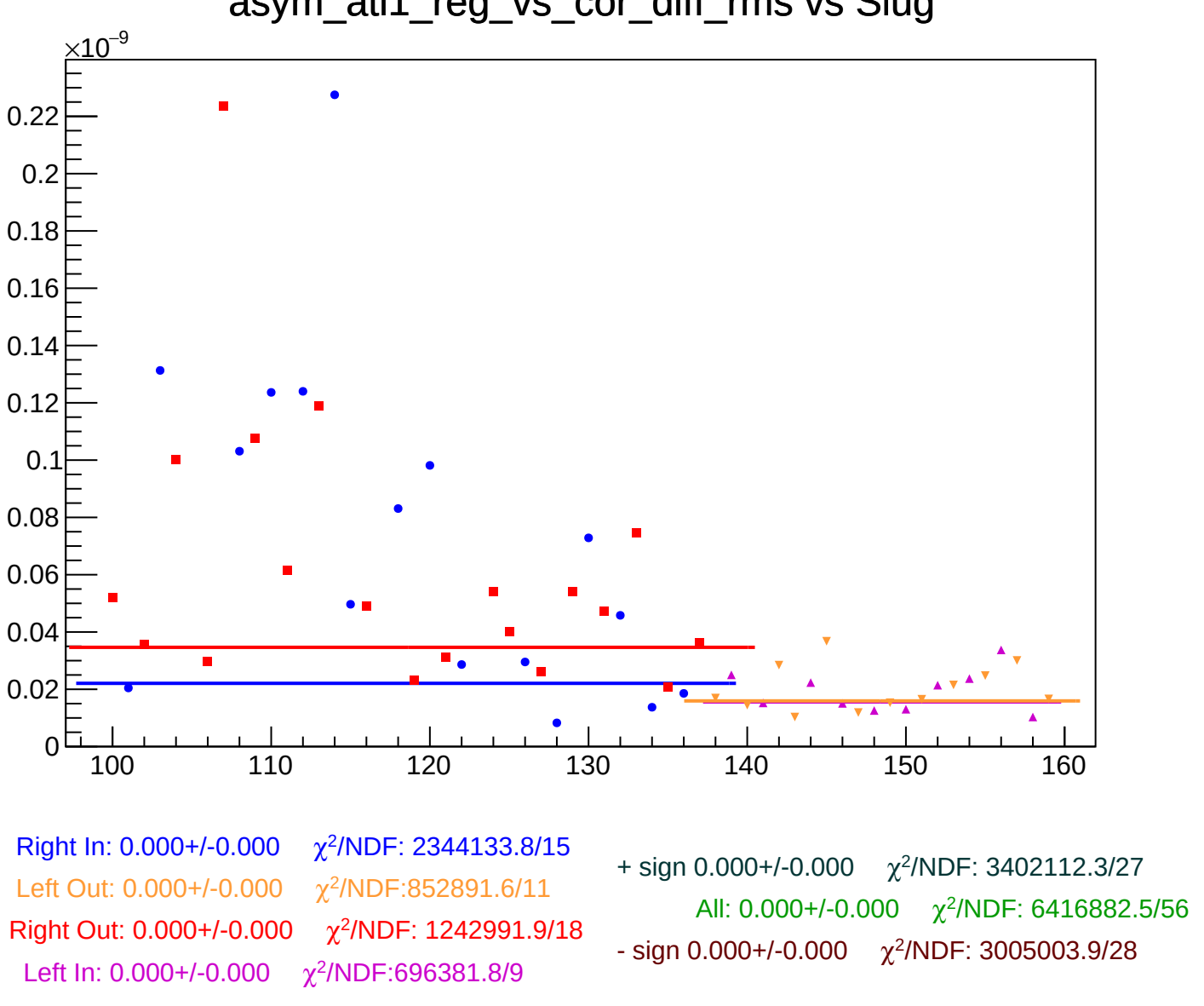
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

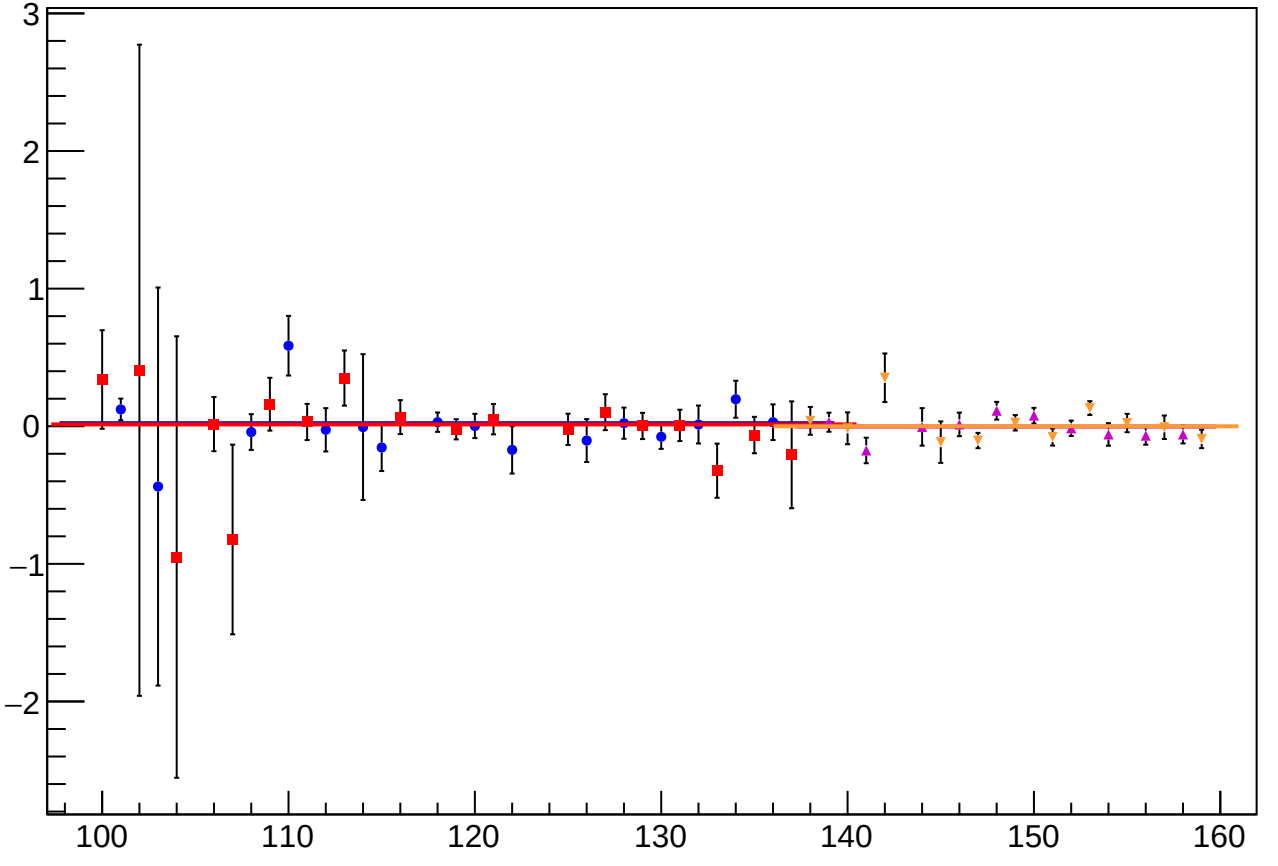
+ sign 0.000+/-0.000 χ^2/NDF: 36.6/27

All: 0.000+/-0.000 χ^2/NDF: 50.7/56

- sign 0.000+/-0.000 χ^2/NDF: 12.0/28


asym_atl1_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: 2344133.8/15
Left Out: 0.000+/-0.000 χ²/NDF:852891.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1242991.9/18
Left In: 0.000+/-0.000 χ²/NDF:696381.8/9
+ sign 0.000+/-0.000 χ²/NDF: 3402112.3/27
All: 0.000+/-0.000 χ²/NDF: 6416882.5/56
- sign 0.000+/-0.000 χ²/NDF: 3005003.9/28

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

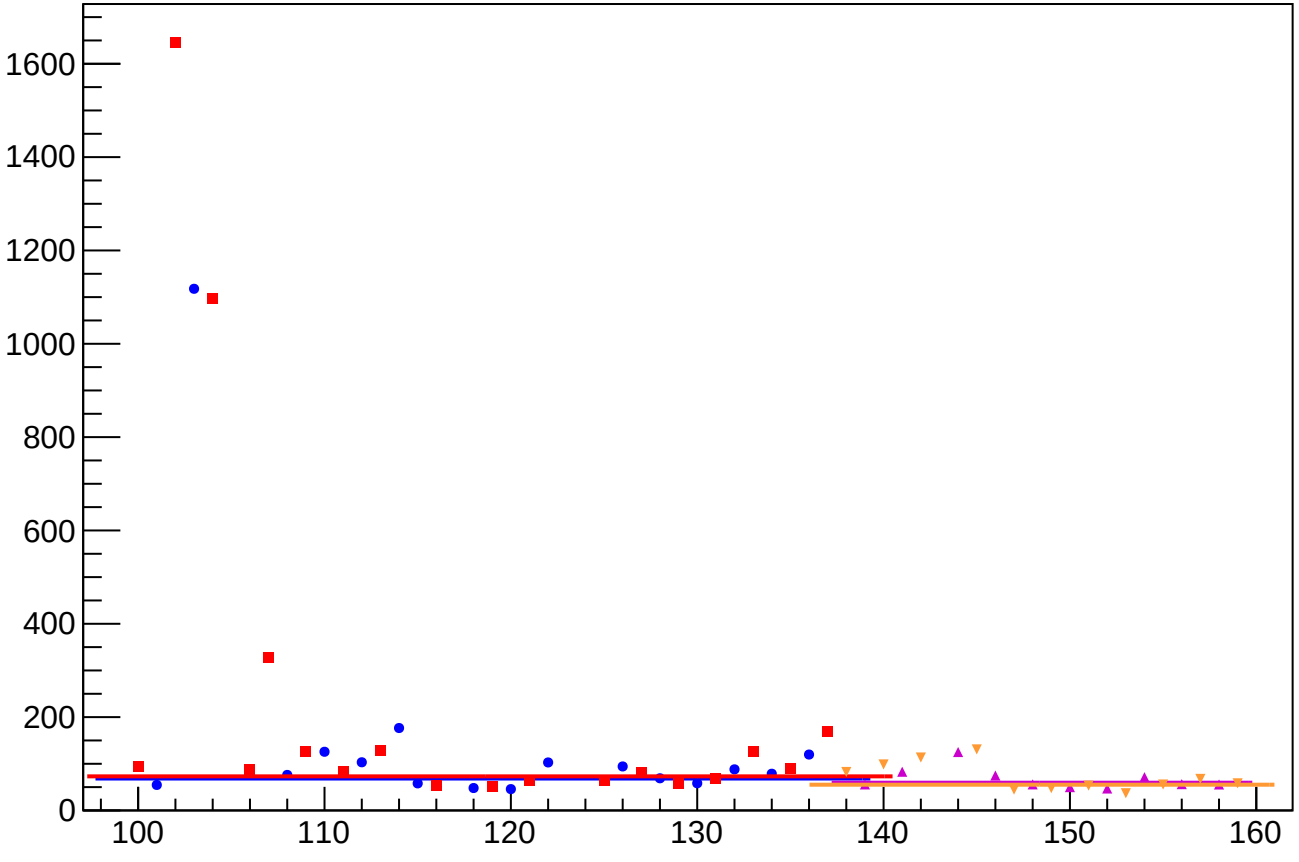
Left In: -0.002+/-0.022 χ^2/NDF:11.2/9

+ sign 0.007+/-0.018 χ^2/NDF: 34.1/26

All: 0.005+/-0.013 χ^2/NDF: 56.4/54

- sign 0.003+/-0.019 χ^2/NDF: 22.2/27

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

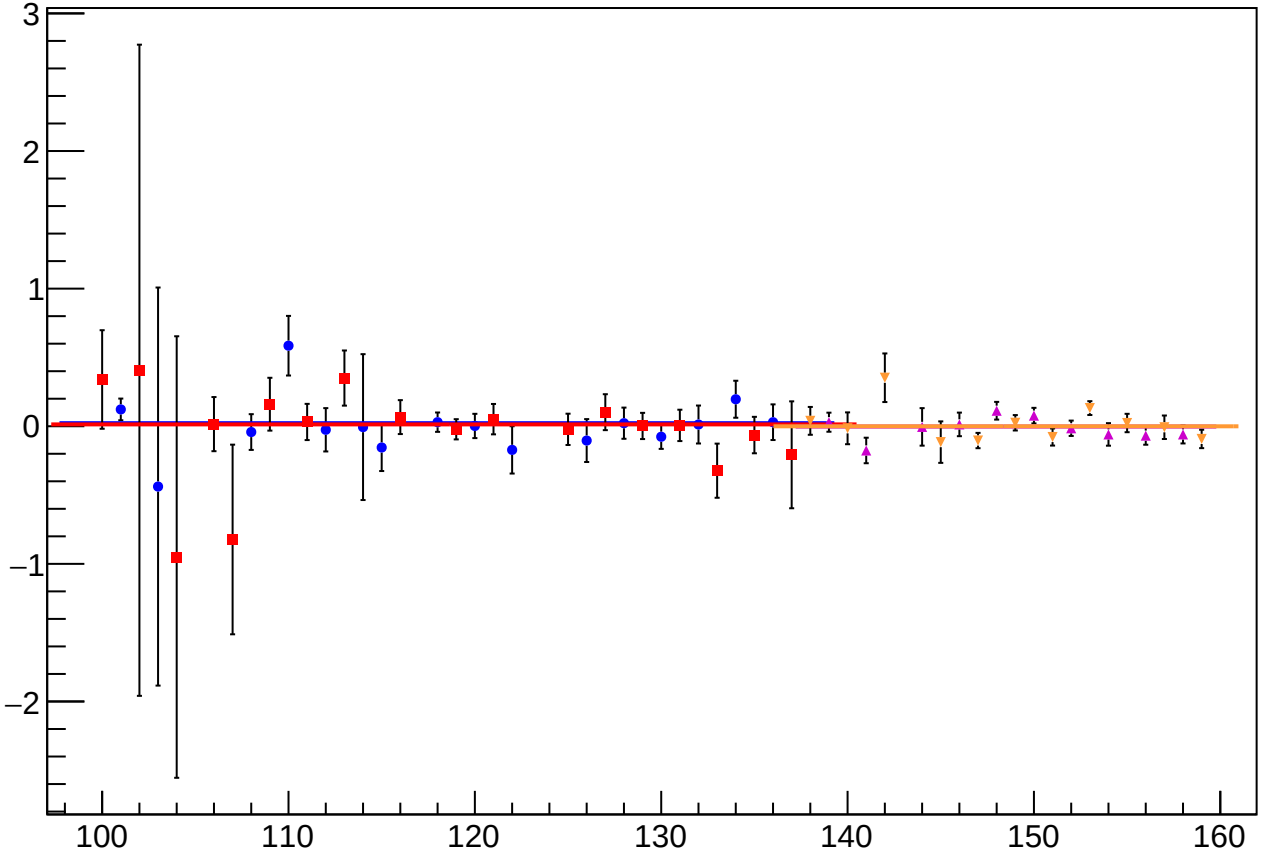
Left In: 59.473+/-0.016 χ^2/NDF:878674.4/9

+ sign 59.700+/-0.012 χ^2/NDF: 4102281.3/26

All: 61.573+/-0.009 χ^2/NDF: 8170398.3/54

- sign 63.666+/-0.013 χ^2/NDF: 4020078.9/27

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

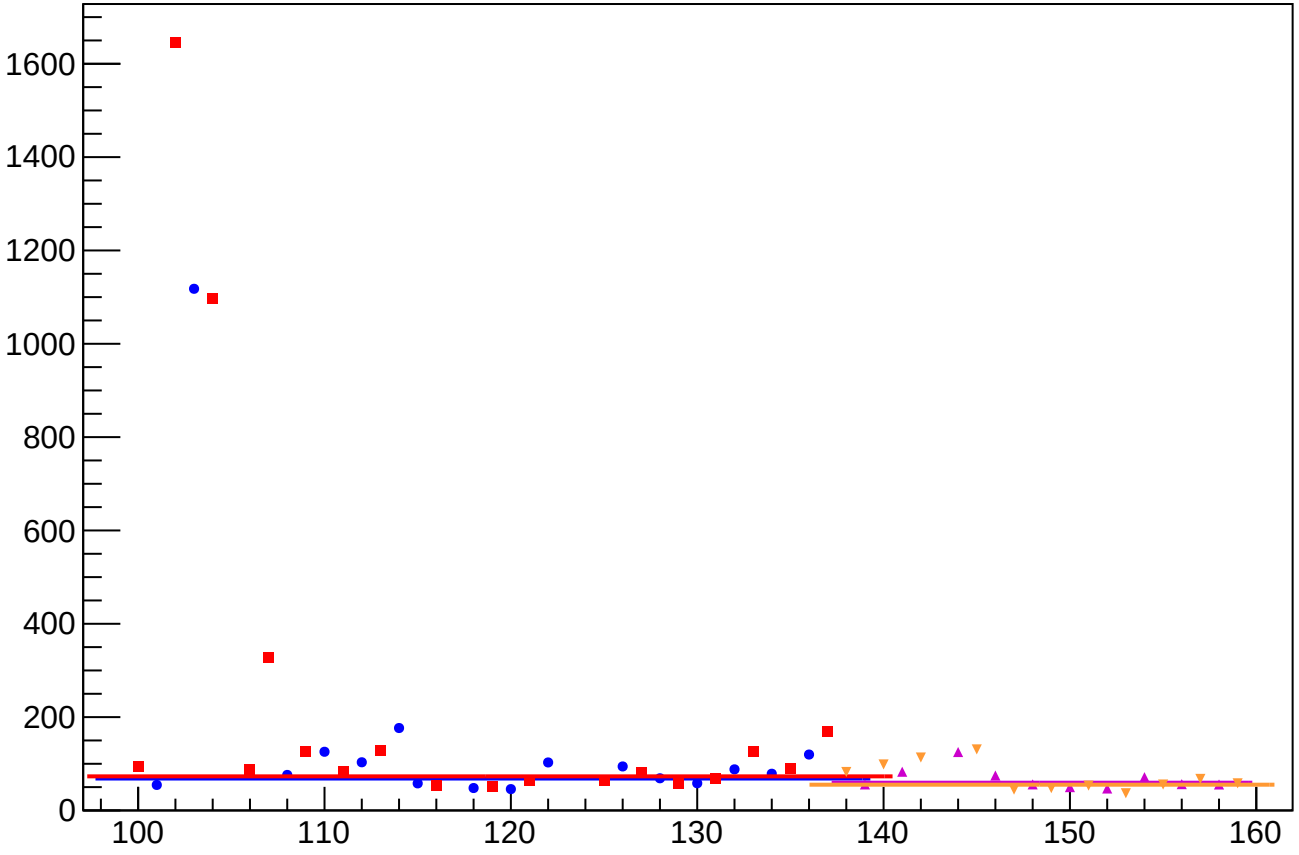
Left In: -0.002+/-0.022 χ^2/NDF:11.2/9

+ sign 0.007+/-0.018 χ^2/NDF: 34.1/26

All: 0.005+/-0.013 χ^2/NDF: 56.4/54

- sign 0.003+/-0.019 χ^2/NDF: 22.2/27

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

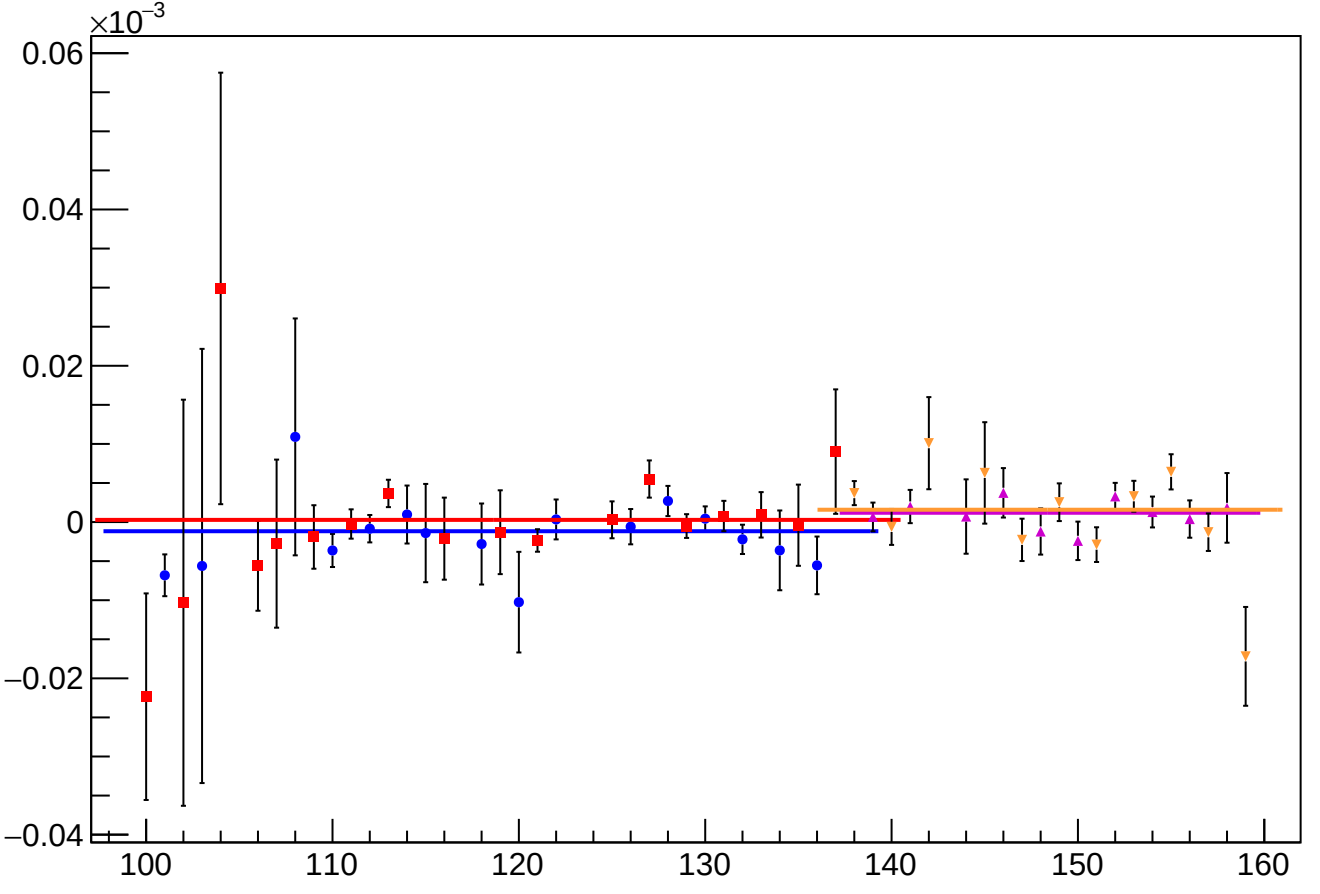
Left In: 59.473+/-0.016 χ^2/NDF:878674.4/9

+ sign 59.700+/-0.012 χ^2/NDF: 4102281.3/26

All: 61.573+/-0.009 χ^2/NDF: 8170398.3/54

- sign 63.666+/-0.013 χ^2/NDF: 4020078.9/27

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

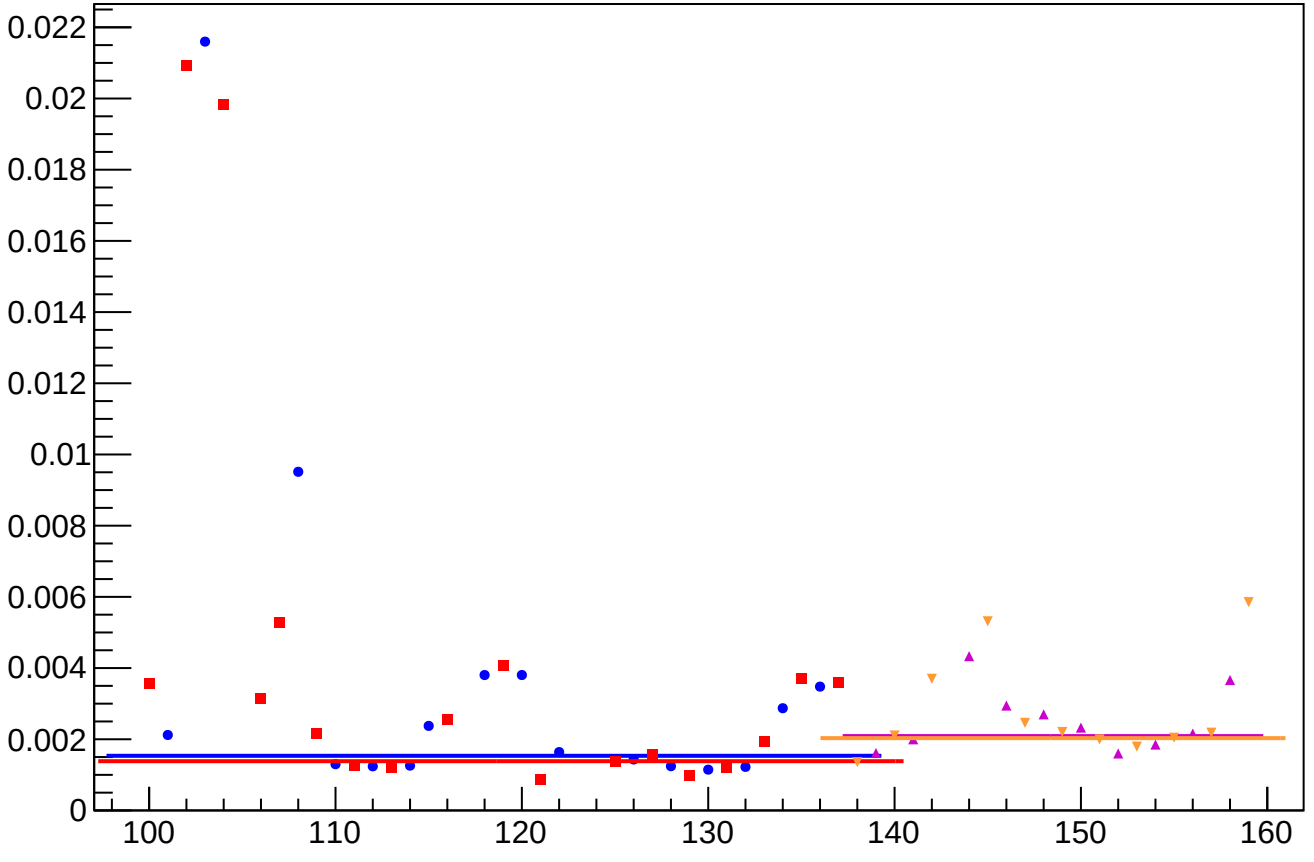
Left In: 0.000+/-0.000 χ^2/NDF:5.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 51.3/26

All: 0.000+/-0.000 χ^2/NDF: 77.7/54

- sign 0.000+/-0.000 χ^2/NDF: 25.7/27

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

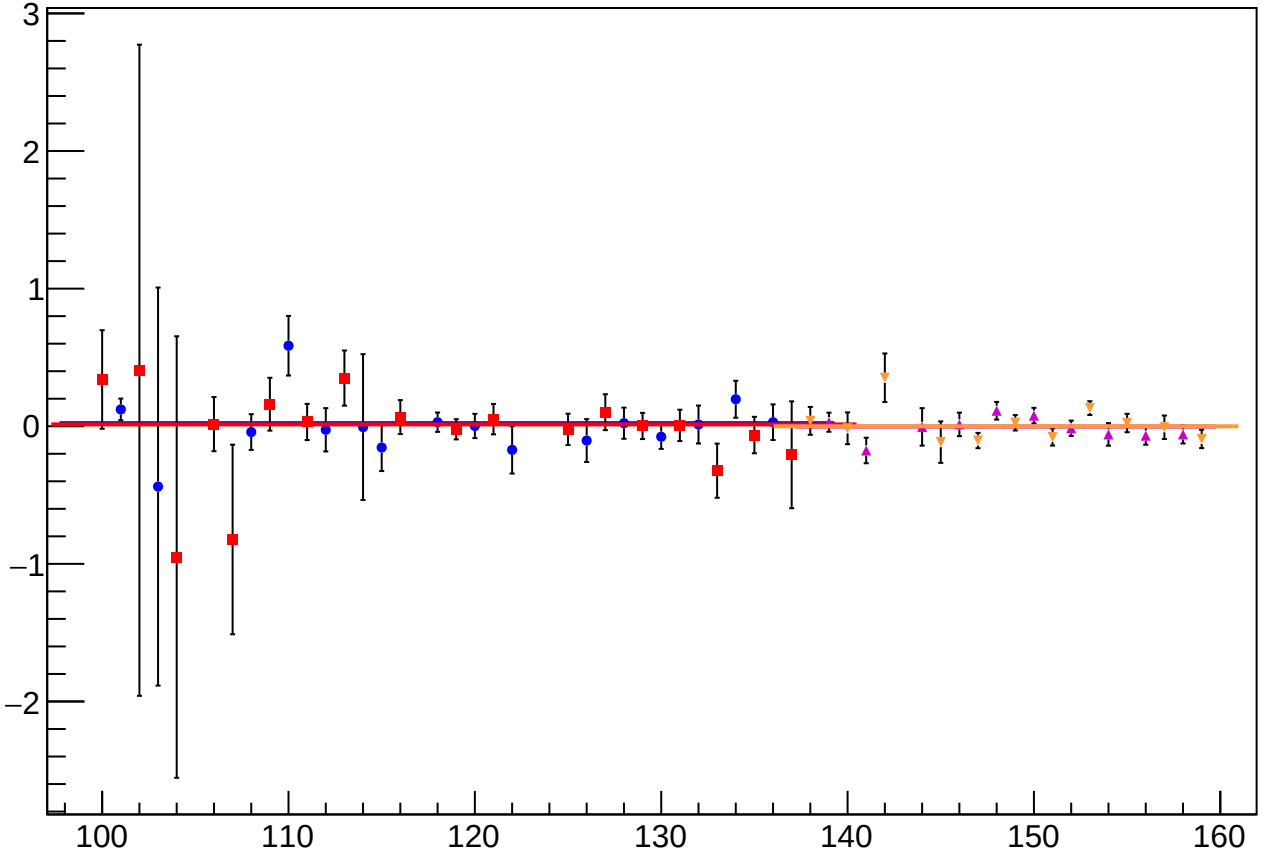
Left In: 0.002+/-0.000 χ^2/NDF:1274611.2/9

+ sign 0.002+/-0.000 χ^2/NDF: 5756461.1/26

All: 0.002+/-0.000 χ^2/NDF: 12355022.7/54

- sign 0.002+/-0.000 χ^2/NDF: 6570816.9/27

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

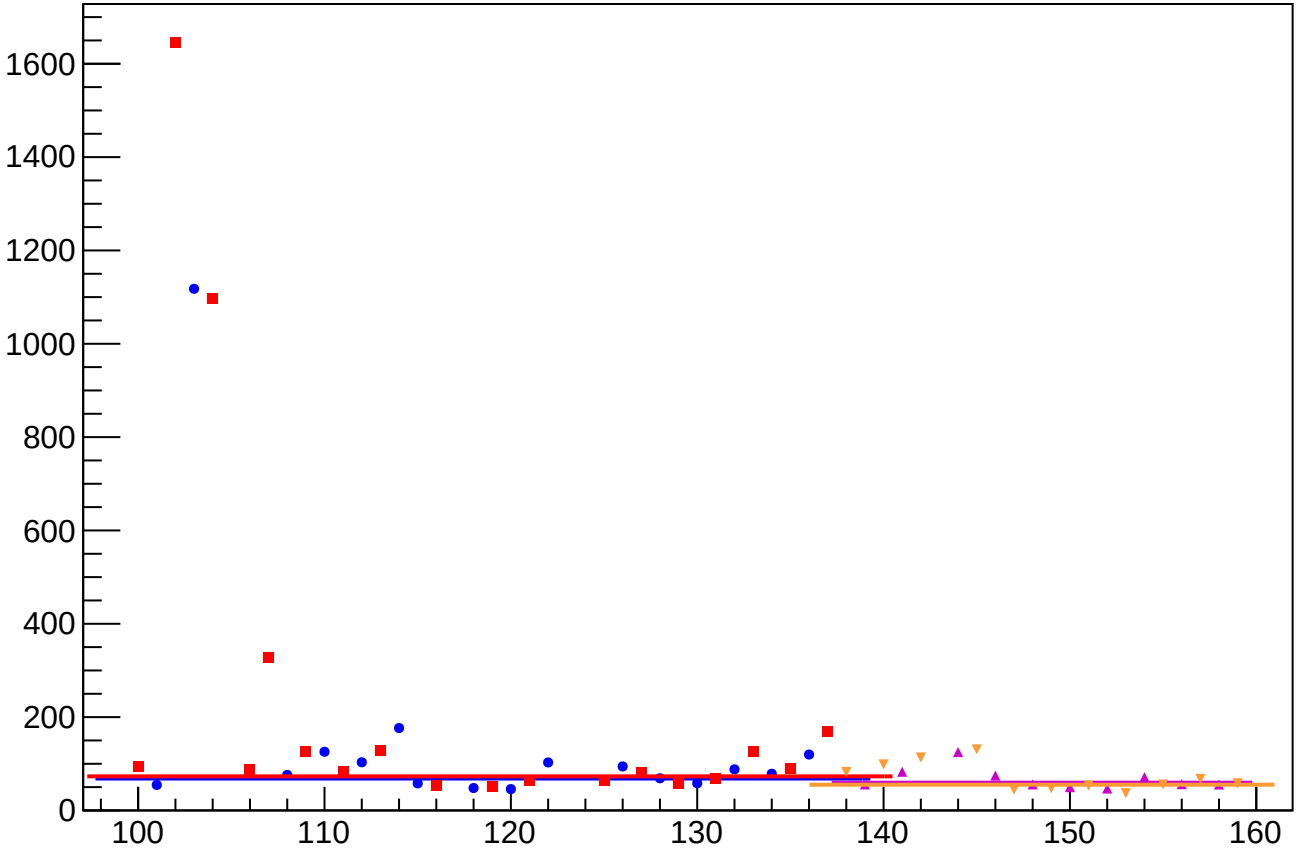
Left In: -0.002+/-0.022 χ^2/NDF:11.2/9

+ sign 0.007+/-0.018 χ^2/NDF: 34.1/26

All: 0.005+/-0.013 χ^2/NDF: 56.4/54

- sign 0.003+/-0.019 χ^2/NDF: 22.2/27

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

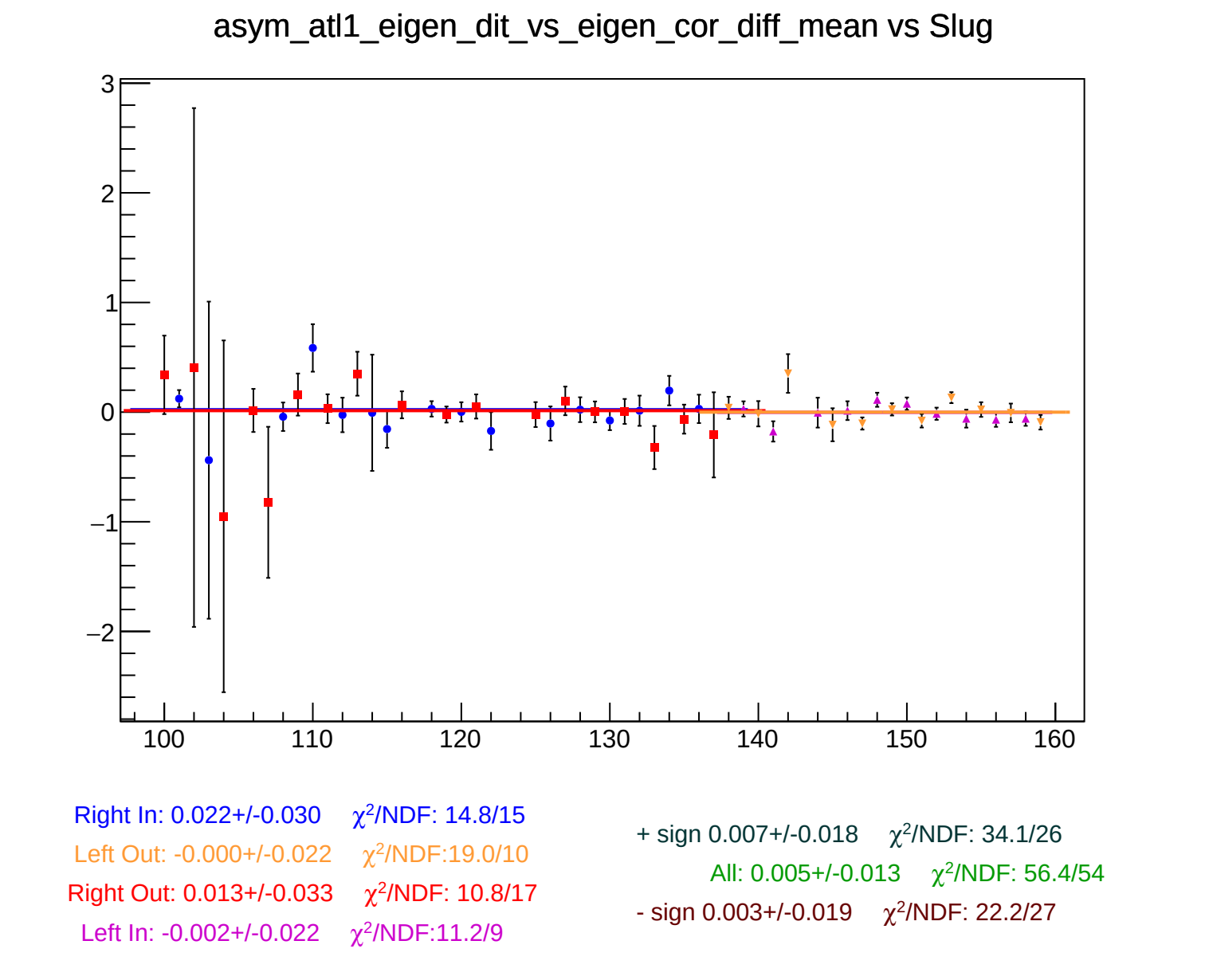
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

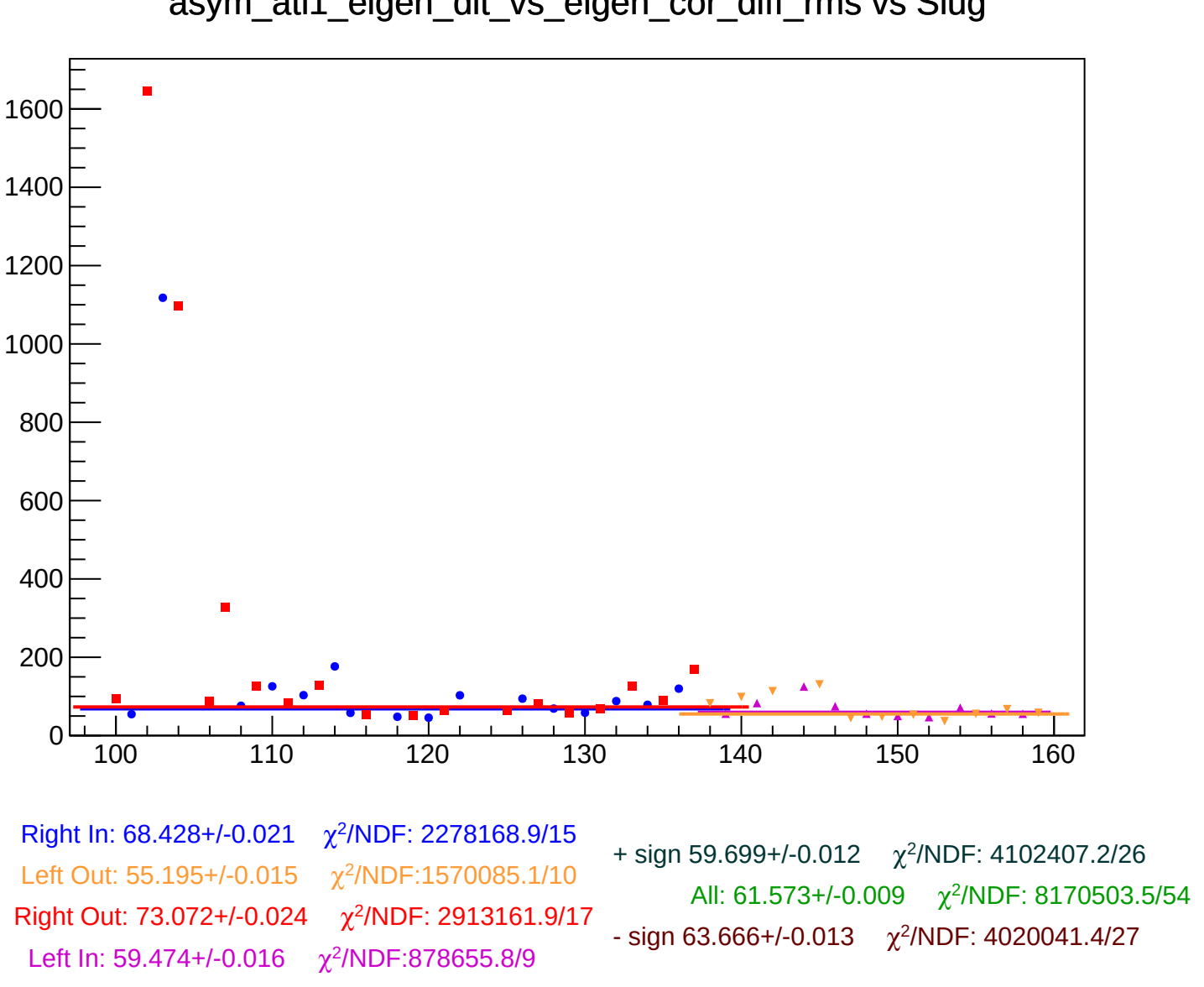
Left In: 59.474+/-0.016 χ^2/NDF:878655.8/9

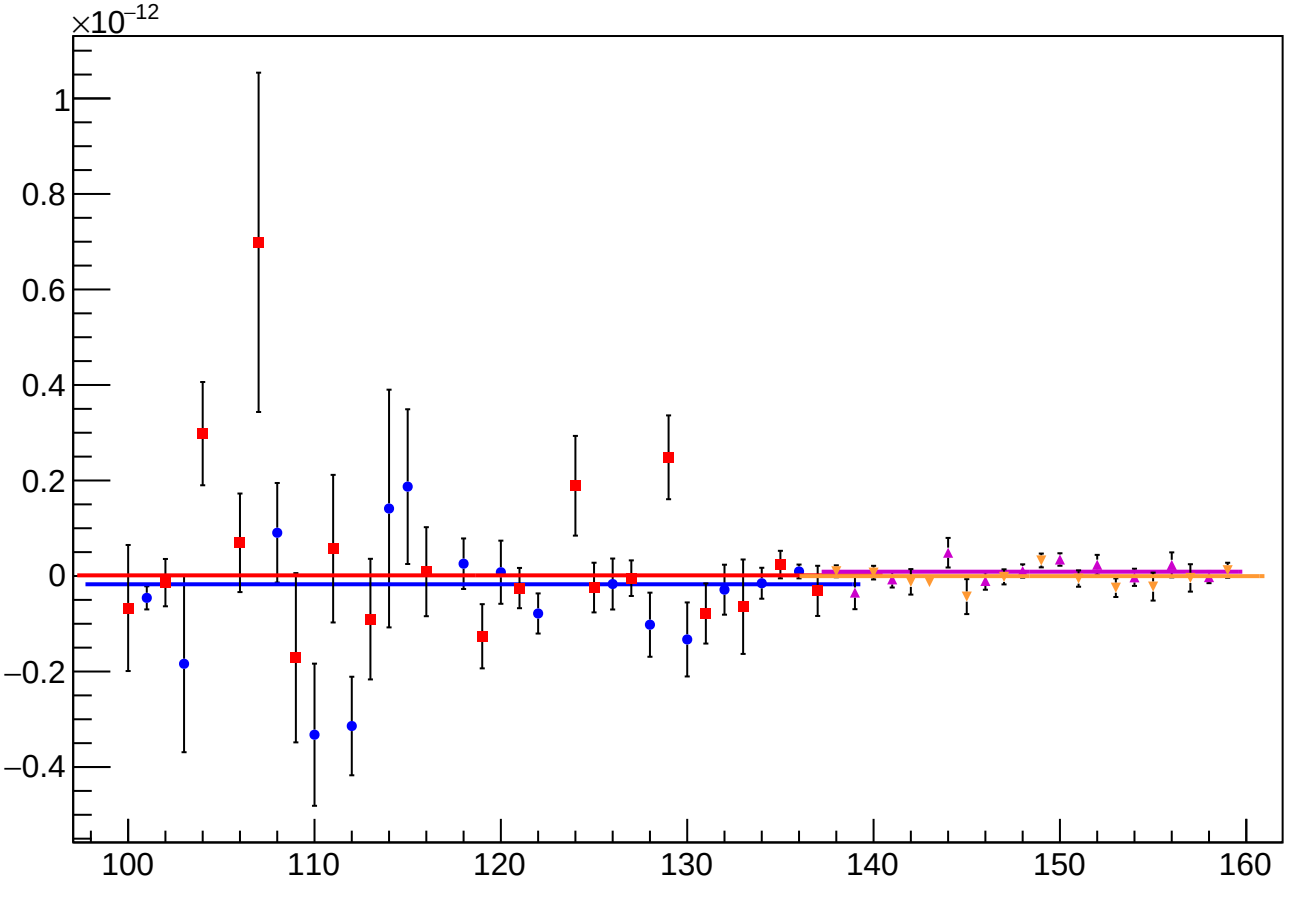
+ sign 59.699+/-0.012 χ^2/NDF: 4102407.2/26

All: 61.573+/-0.009 χ^2/NDF: 8170503.5/54

- sign 63.666+/-0.013 χ^2/NDF: 4020041.4/27


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+/-0.022 χ²/NDF:11.2/9
+ sign 0.007+/-0.018 χ²/NDF: 34.1/26
All: 0.005+/-0.013 χ²/NDF: 56.4/54
- sign 0.003+/-0.019 χ²/NDF: 22.2/27


asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 68.428+/-0.021 χ²/NDF: 2278168.9/15
Left Out: 55.195+/-0.015 χ²/NDF:1570085.1/10
Right Out: 73.072+/-0.024 χ²/NDF: 2913161.9/17
Left In: 59.474+/-0.016 χ²/NDF:878655.8/9
+ sign 59.699+/-0.012 χ²/NDF: 4102407.2/26
All: 61.573+/-0.009 χ²/NDF: 8170503.5/54
- sign 63.666+/-0.013 χ²/NDF: 4020041.4/27



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

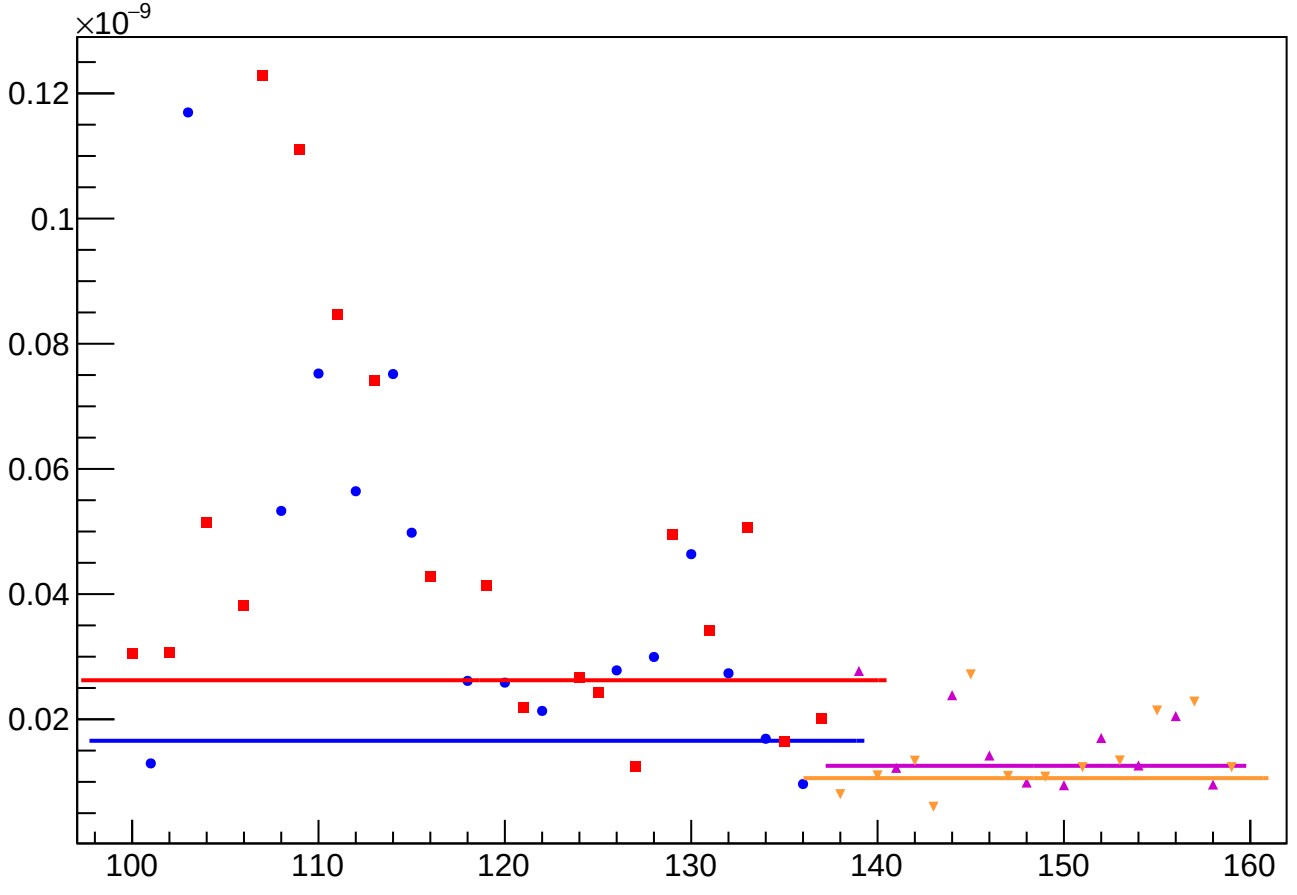
Left In: 0.000+/-0.000 χ^2/NDF:11.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 42.9/27

All: 0.000+/-0.000 χ^2/NDF: 89.3/56

- sign 0.000+/-0.000 χ^2/NDF: 43.6/28

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

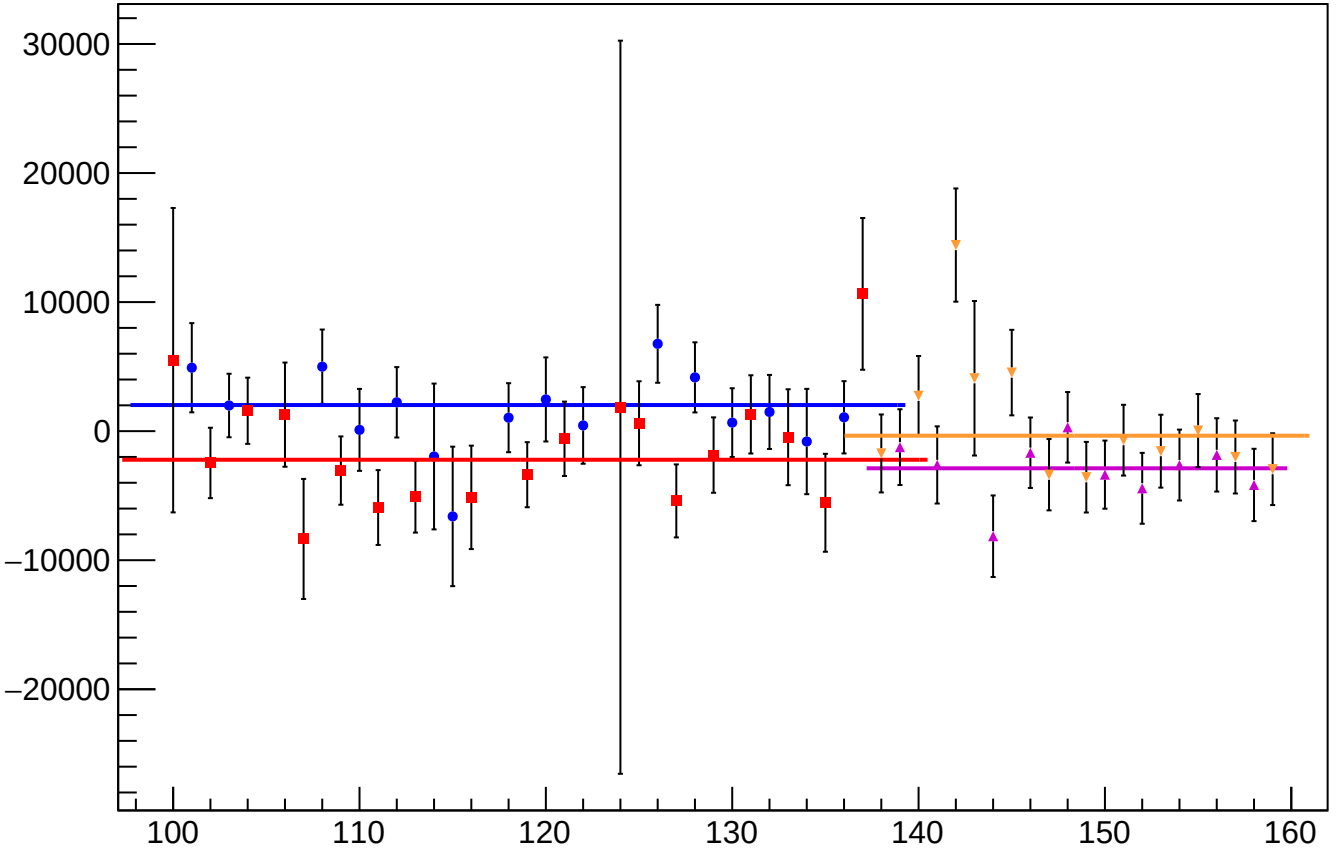
Left In: 0.000+/-0.000 χ^2/NDF:1233487.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 5131691.0/27

All: 0.000+/-0.000 χ^2/NDF: 10635723.5/56

- sign 0.000+/-0.000 χ^2/NDF: 5175747.2/28

reg_asym_atl2_mean vs Slug



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

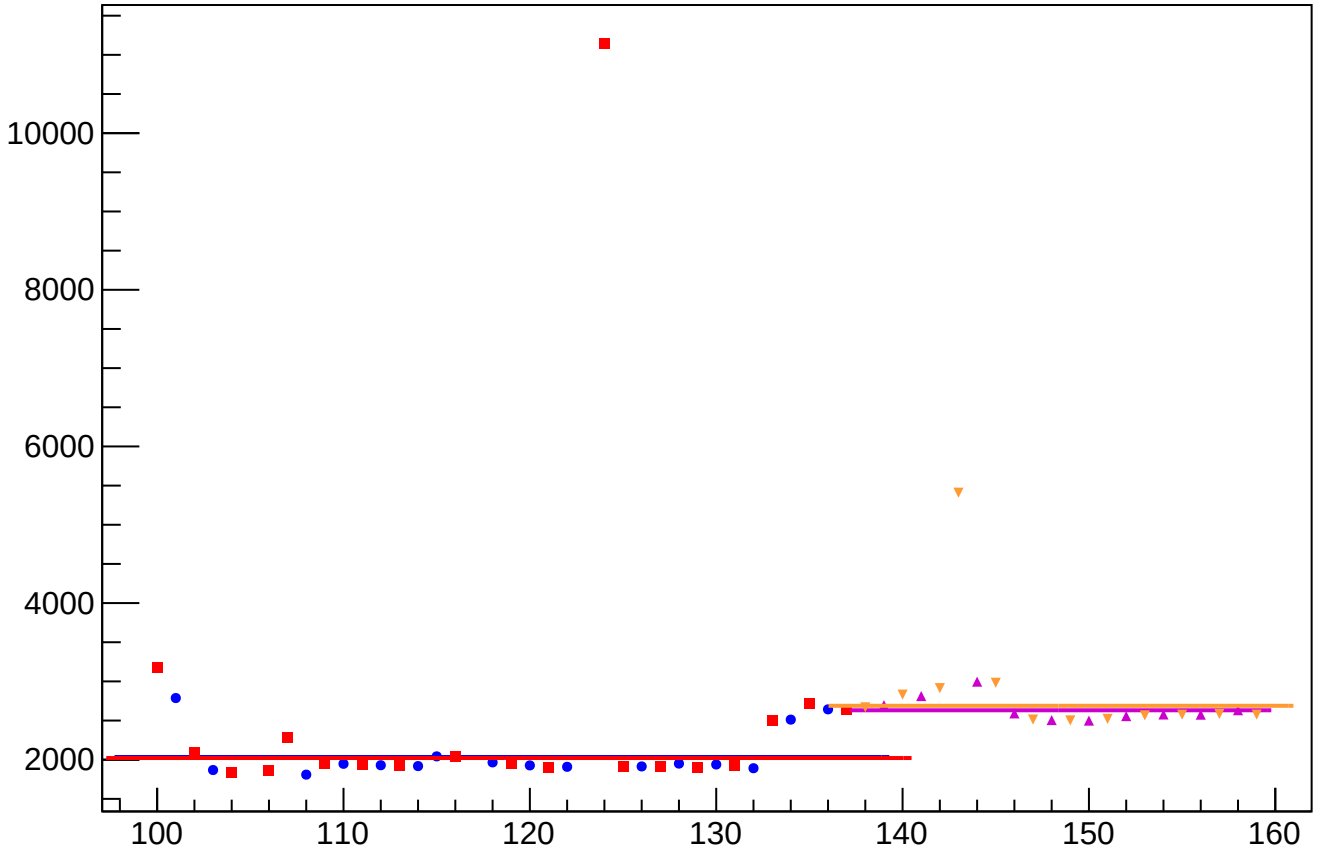
Left In: -2878.562+/-892.162 χ^2/NDF:5.3/9

+ sign 1001.971+/-577.403 χ^2/NDF: 33.0/27

All: -747.594+/-408.084 χ^2/NDF: 75.2/56

- sign -2493.708+/-576.833 χ^2/NDF: 23.8/28

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

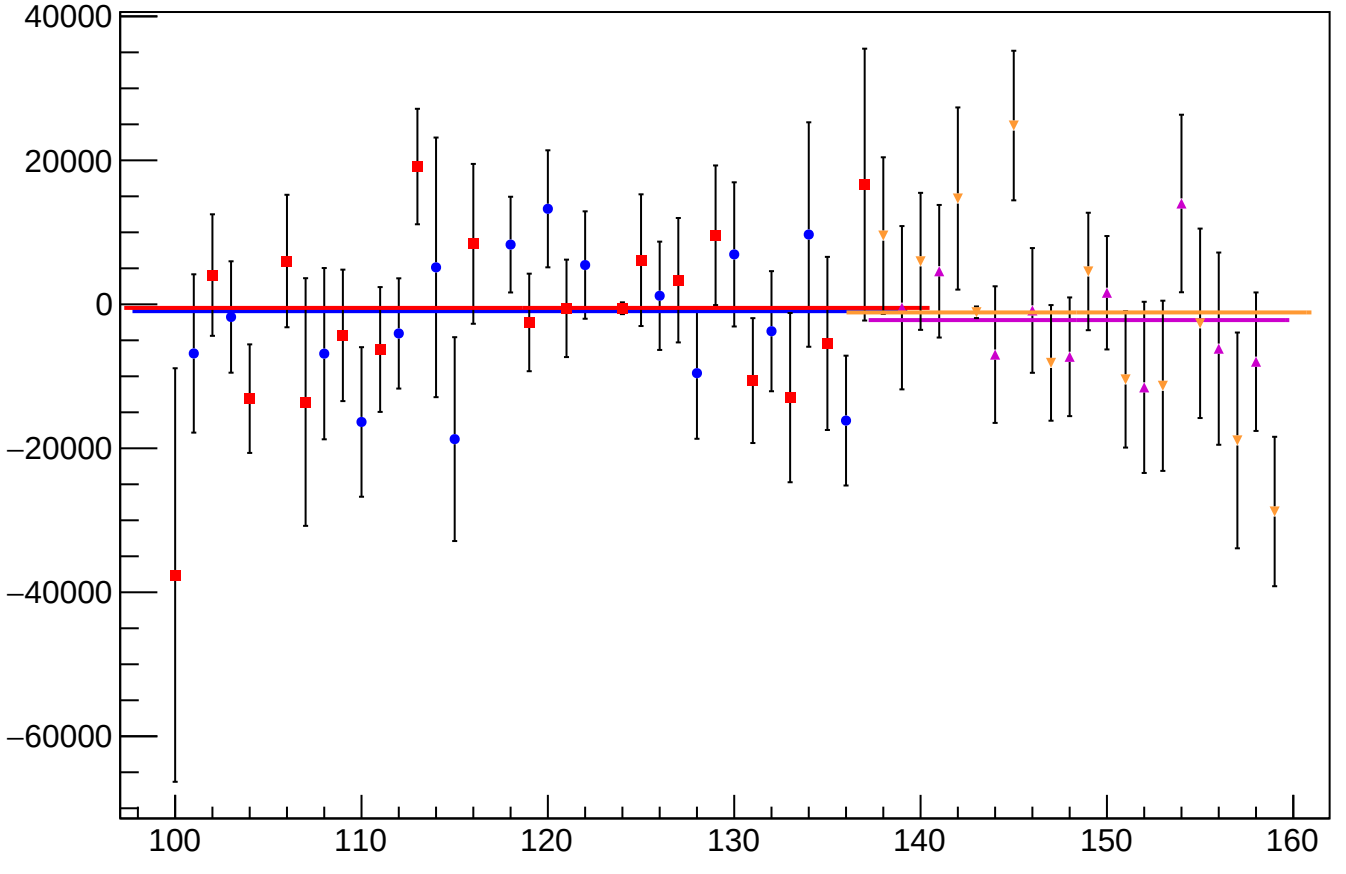
Left In: 2631.149+/-0.631 χ^2/NDF:47751.5/9

+ sign 2315.131+/-0.408 χ^2/NDF: 1368501.2/27

All: 2295.737+/-0.289 χ^2/NDF: 2354502.3/56

- sign 2276.381+/-0.408 χ^2/NDF: 981492.8/28

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

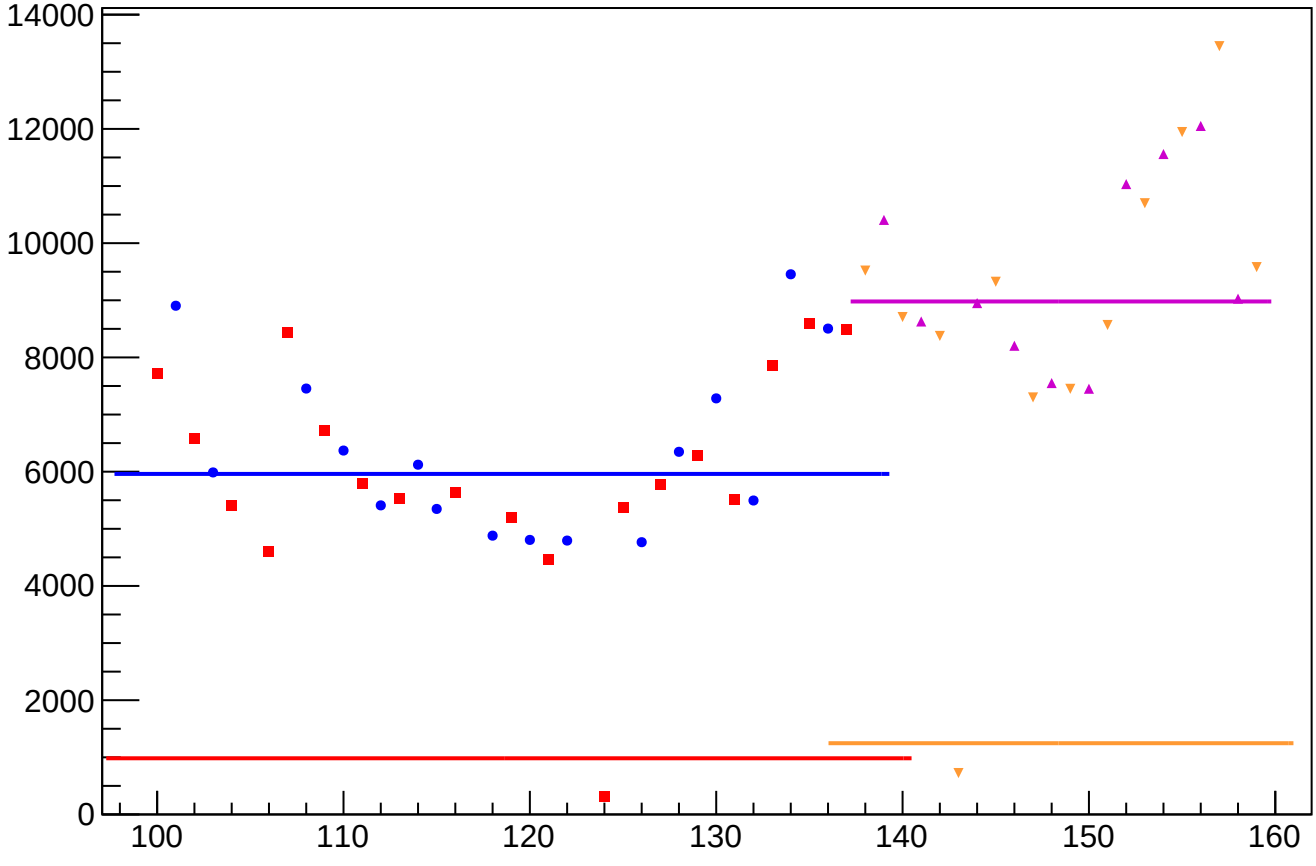
Left In: -2190.862+/-3087.550 χ^2/NDF:4.3/9

+ sign -1108.531+/-739.037 χ^2/NDF: 36.1/27

All: -854.559+/-524.866 χ^2/NDF: 59.4/56

- sign -596.091+/-745.552 χ^2/NDF: 23.0/28

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

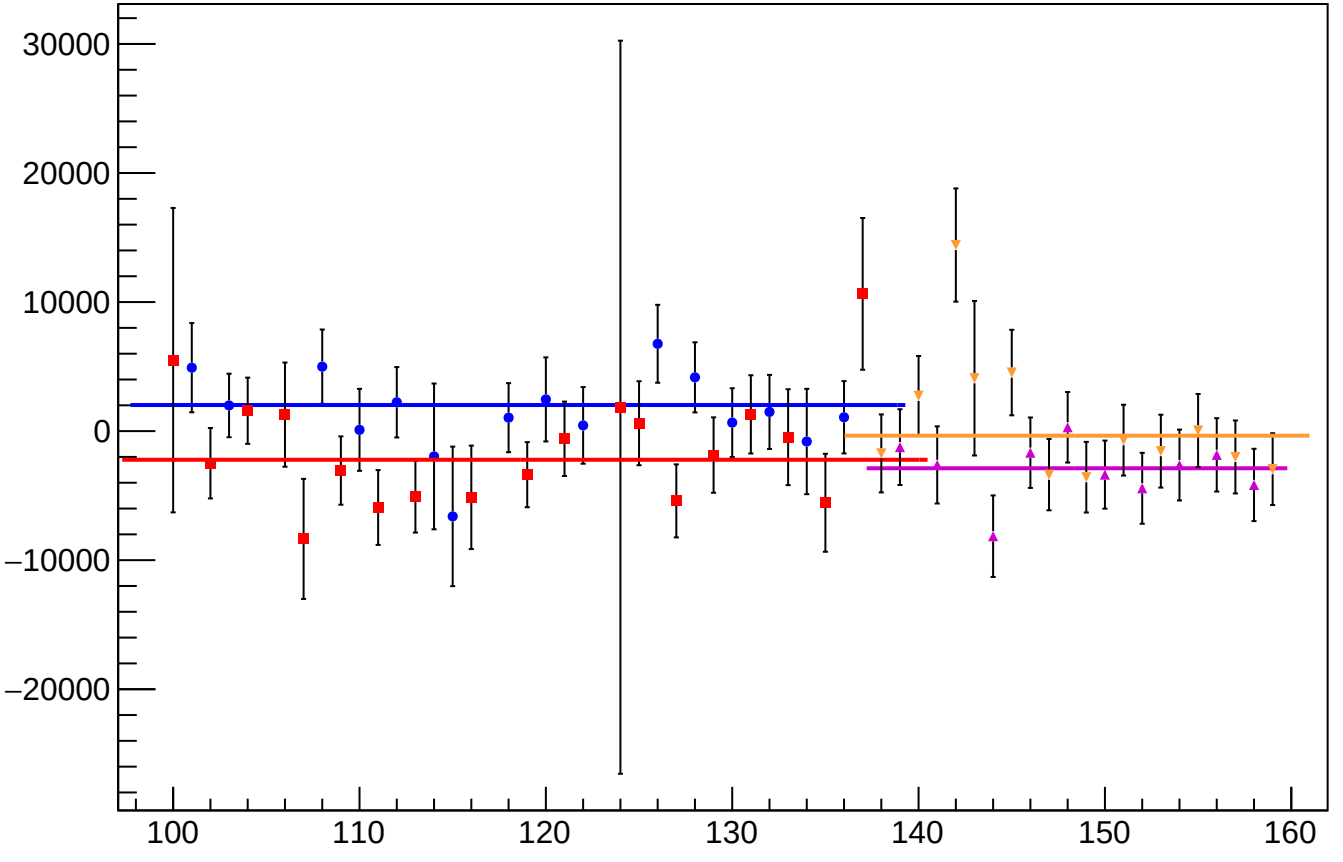
Left In: 8979.420+/-2.183 χ^2/NDF:439205.4/9

+ sign 1743.034+/-0.523 χ^2/NDF: 22119234.0/27

All: 1597.581+/-0.371 χ^2/NDF: 46763316.3/5

- sign 1449.552+/-0.527 χ^2/NDF: 24487767.1/28

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

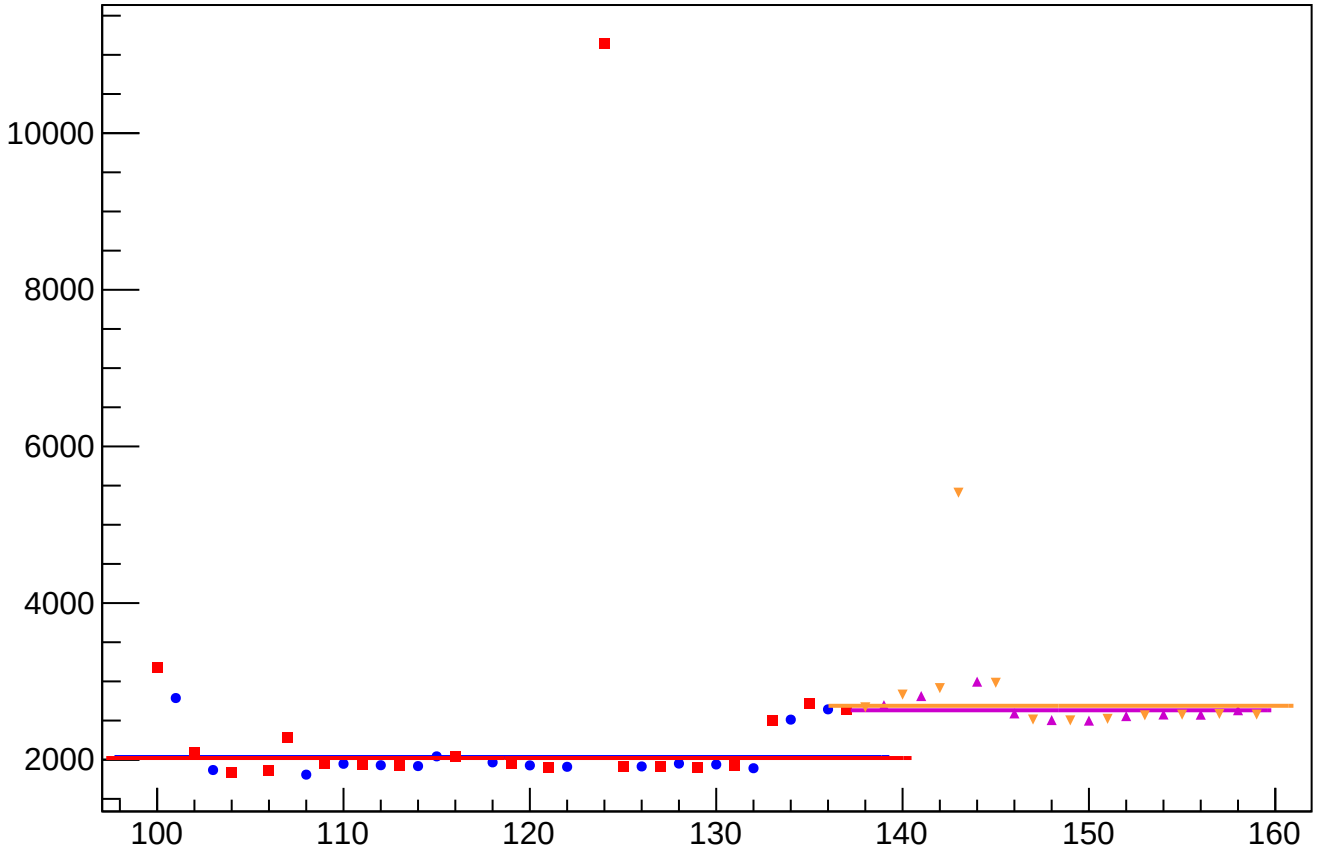
Left In: -2878.722+/-892.162 χ^2/NDF:5.3/9

+ sign 1002.097+/-577.403 χ^2/NDF: 33.0/27

All: -748.091+/-408.085 χ^2/NDF: 75.2/56

- sign -2494.848+/-576.837 χ^2/NDF: 23.8/28

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

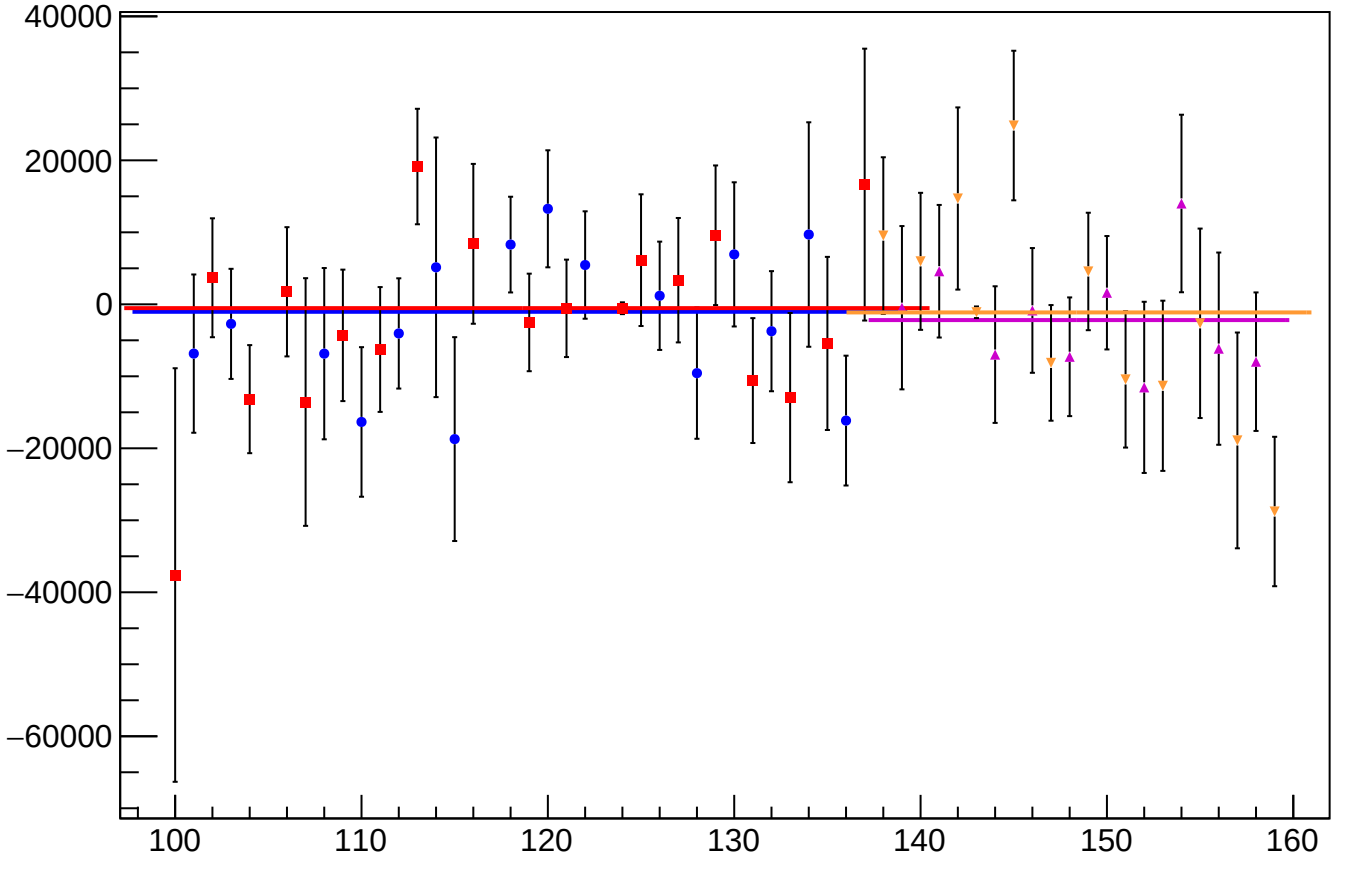
Left In: 2631.150+/-0.631 χ^2/NDF:47751.5/9

+ sign 2315.131+/-0.408 χ^2/NDF: 1368501.3/27

All: 2295.745+/-0.289 χ^2/NDF: 2354467.6/56

- sign 2276.396+/-0.408 χ^2/NDF: 981461.6/28

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

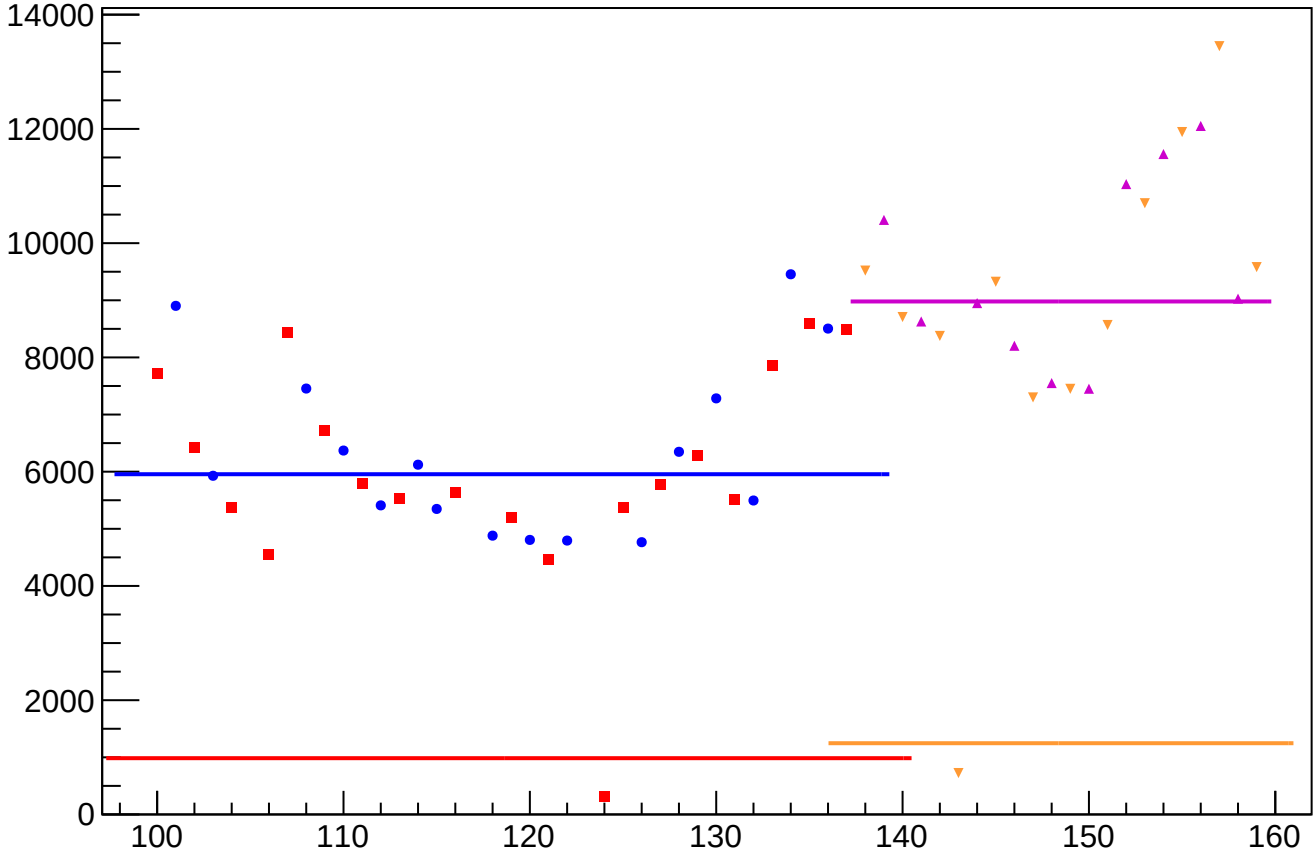
Left In: -2191.048+/-3087.547 χ^2/NDF:4.3/9

+ sign -1117.492+/-738.897 χ^2/NDF: 36.2/27

All: -874.539+/-524.708 χ^2/NDF: 59.0/56

- sign -627.395+/-745.241 χ^2/NDF: 22.6/28

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

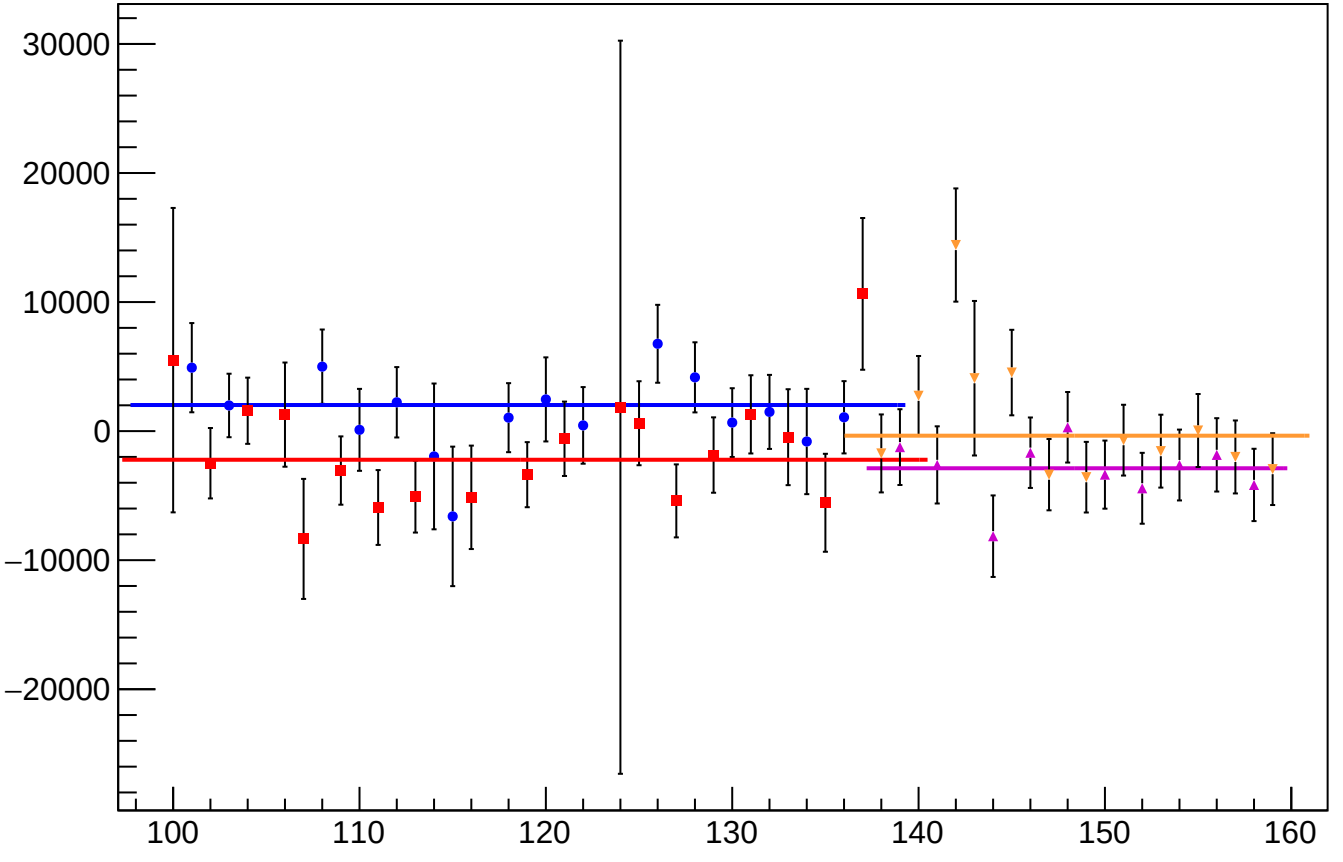
Left In: 8979.409+/-2.183 χ^2/NDF:439208.5/9

+ sign 1743.184+/-0.522 χ^2/NDF: 22117513.2/27

All: 1598.238+/-0.371 χ^2/NDF: 46751870.5/5

- sign 1450.792+/-0.527 χ^2/NDF: 24479106.8/28

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

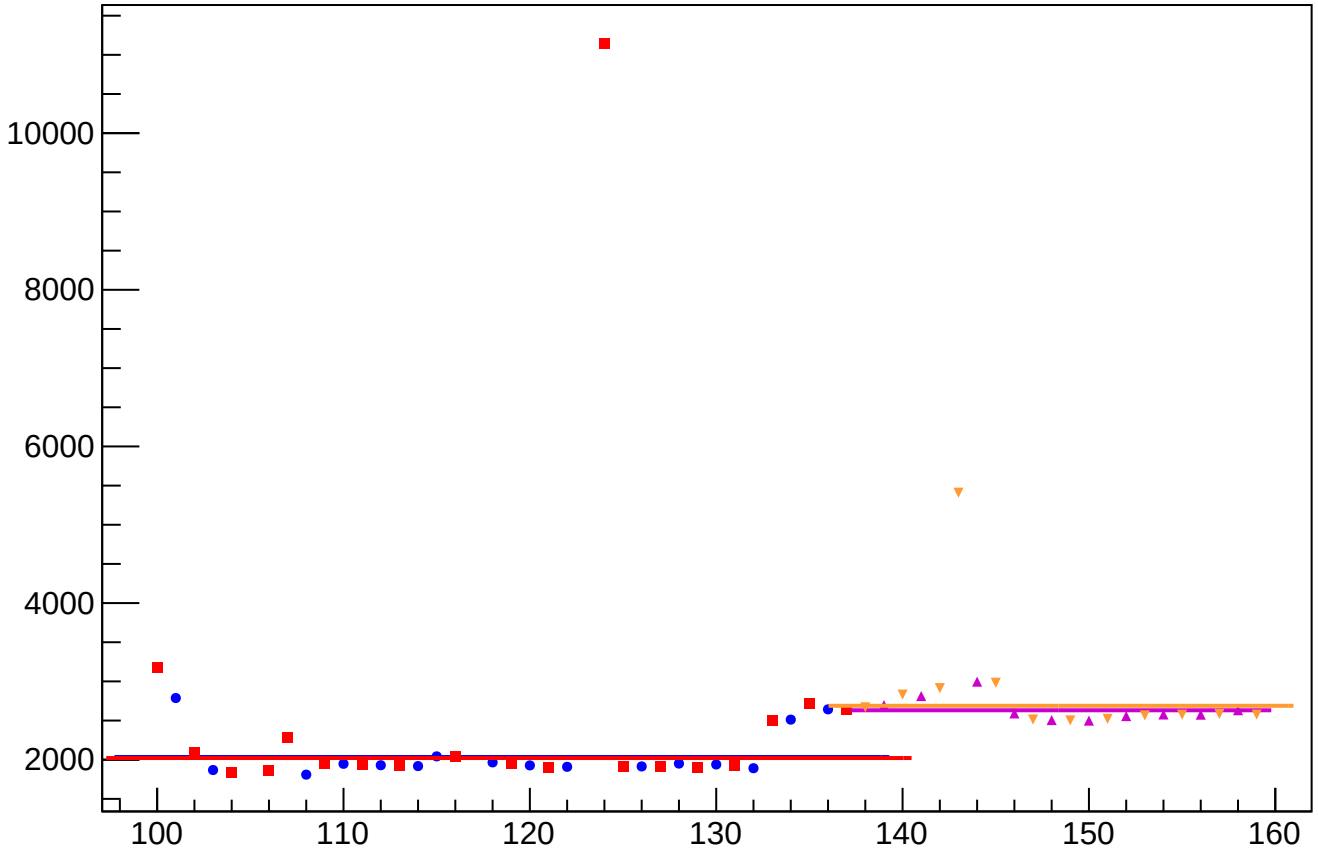
Left In: -2878.722+/-892.162 χ^2/NDF:5.3/9

+ sign 1002.097+/-577.403 χ^2/NDF: 33.0/27

All: -748.091+/-408.085 χ^2/NDF: 75.2/56

- sign -2494.848+/-576.837 χ^2/NDF: 23.8/28

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

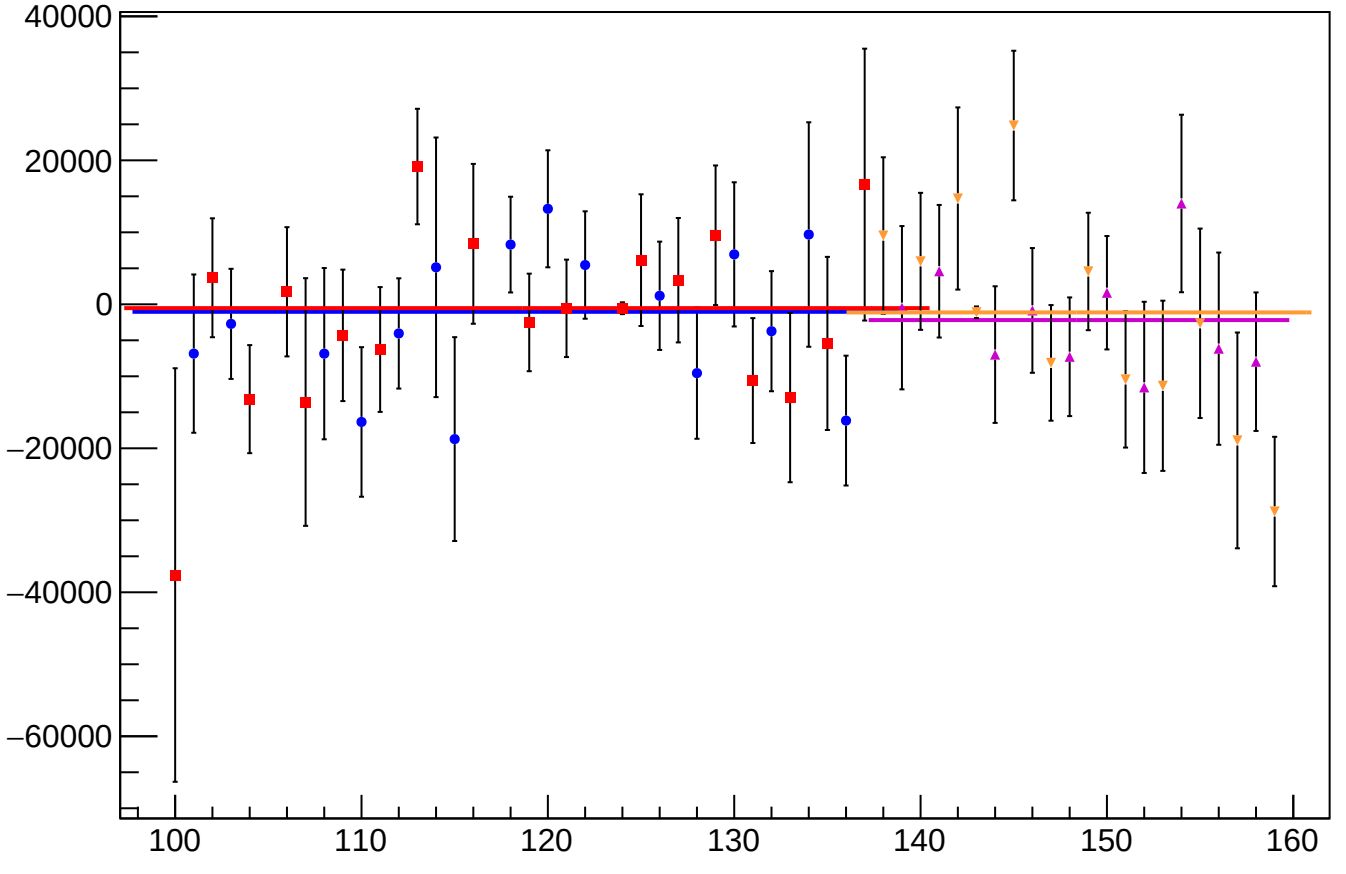
Left In: 2631.150+/-0.631 χ^2/NDF:47751.5/9

+ sign 2315.131+/-0.408 χ^2/NDF: 1368501.3/27

All: 2295.745+/-0.289 χ^2/NDF: 2354467.6/56

- sign 2276.396+/-0.408 χ^2/NDF: 981461.6/28

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

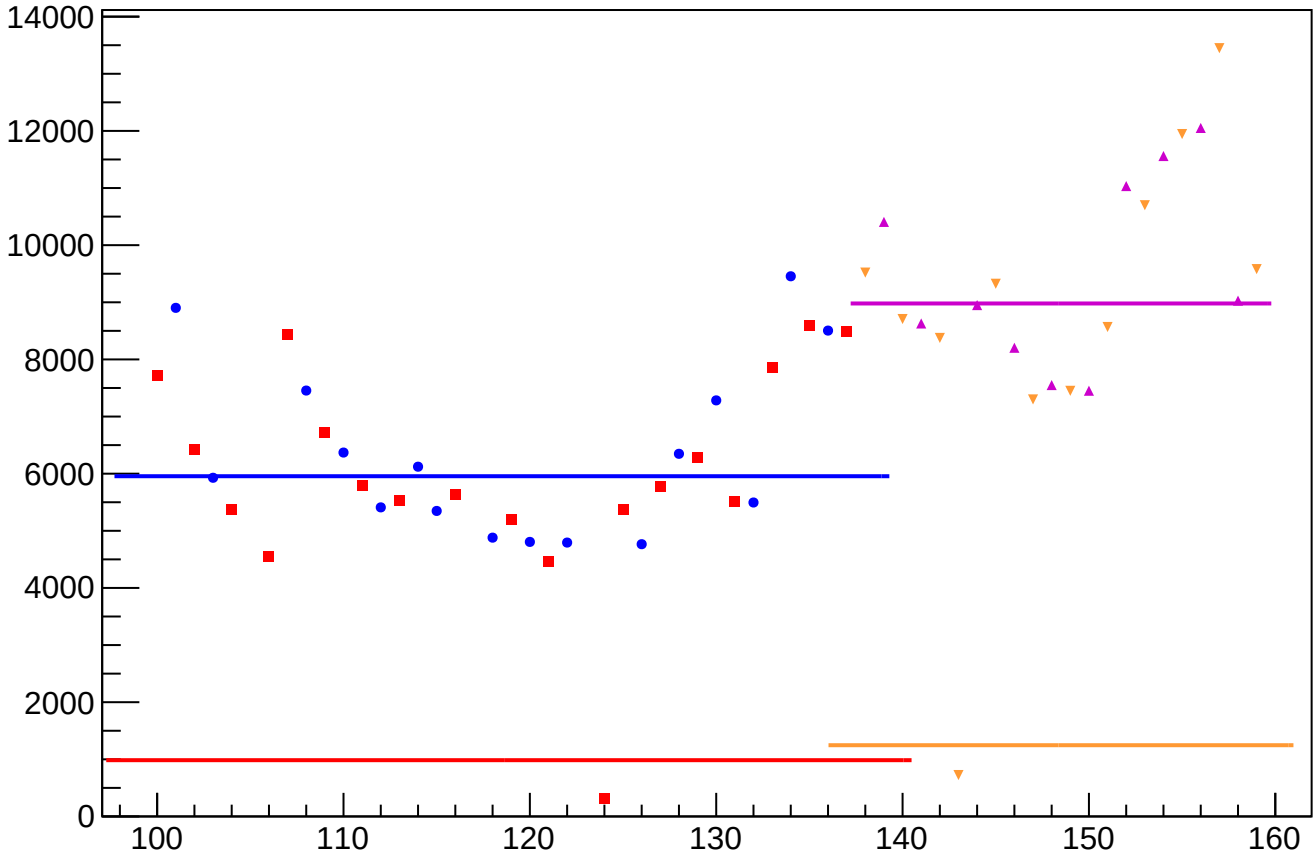
Left In: -2191.048+/-3087.547 χ^2/NDF:4.3/9

+ sign -1117.492+/-738.897 χ^2/NDF: 36.2/27

All: -874.539+/-524.708 χ^2/NDF: 59.0/56

- sign -627.395+/-745.241 χ^2/NDF: 22.6/28

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

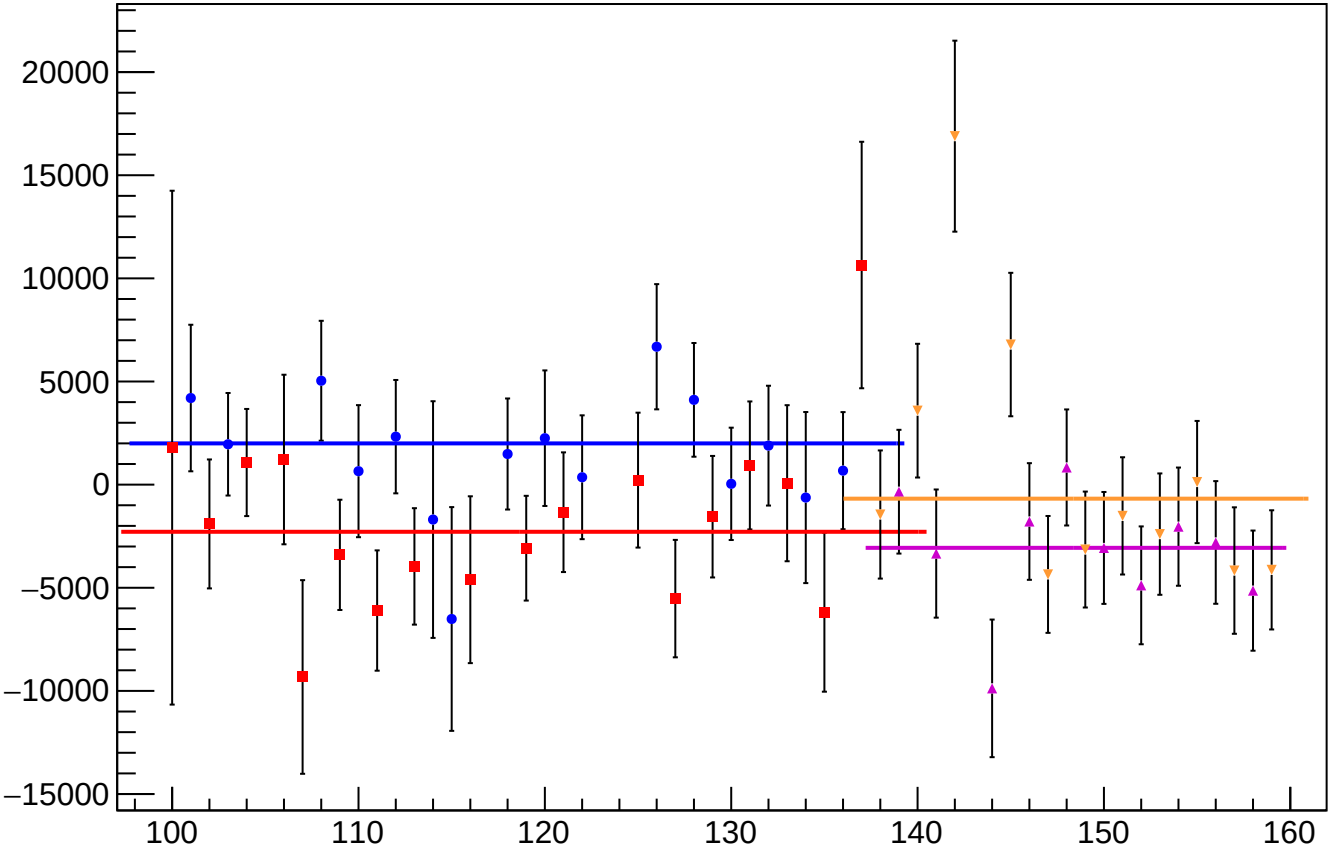
Left In: 8979.409+/-2.183 χ^2/NDF:439208.5/9

+ sign 1743.184+/-0.522 χ^2/NDF: 22117513.2/27

All: 1598.238+/-0.371 χ^2/NDF: 46751870.5/5

- sign 1450.792+/-0.527 χ^2/NDF: 24479106.8/28

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -680.271+/-928.919 χ^2/NDF:26.5/10

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

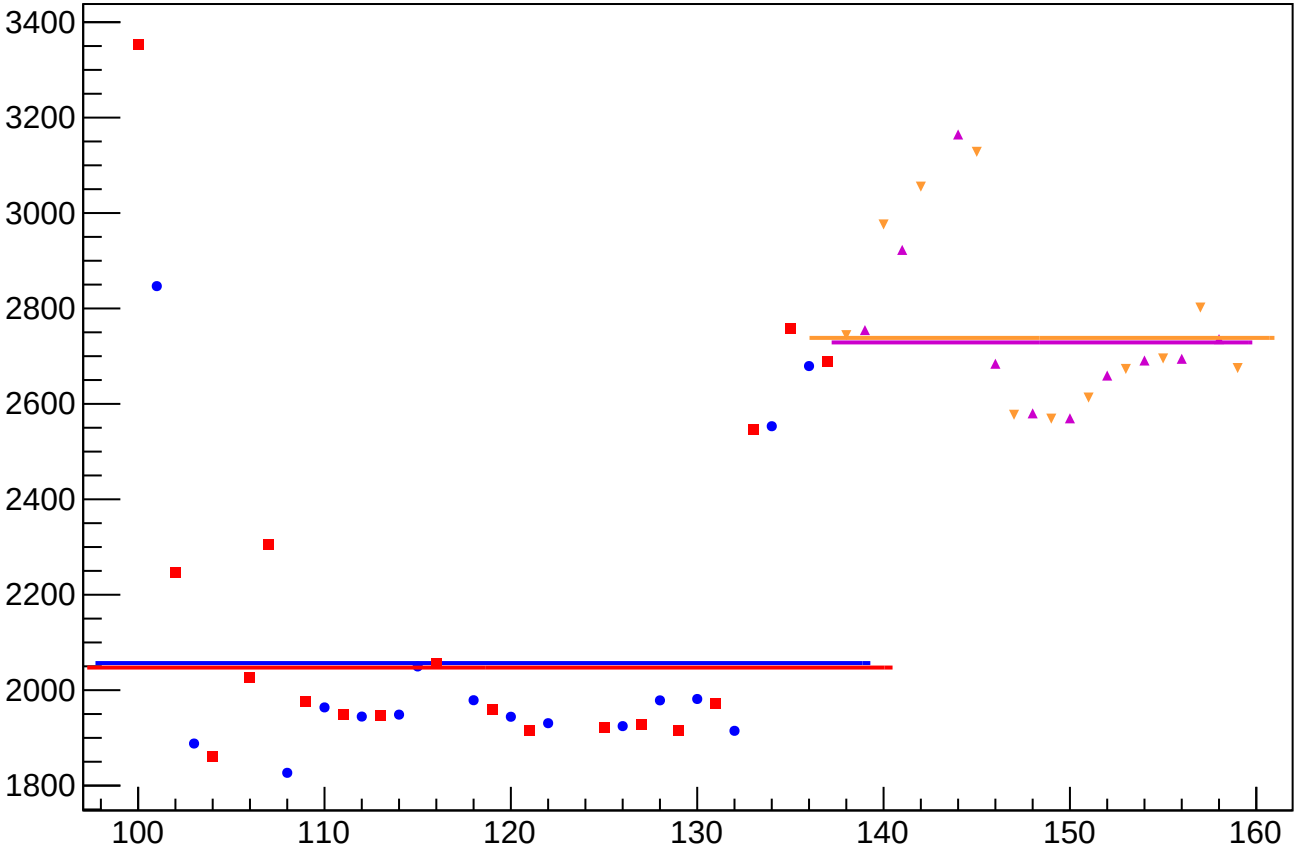
Left In: -3064.187+/-925.611 χ^2/NDF:8.2/9

+ sign 902.005+/-594.425 χ^2/NDF: 40.4/26

All: -856.985+/-419.654 χ^2/NDF: 83.1/54

- sign -2604.848+/-592.542 χ^2/NDF: 25.3/27

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

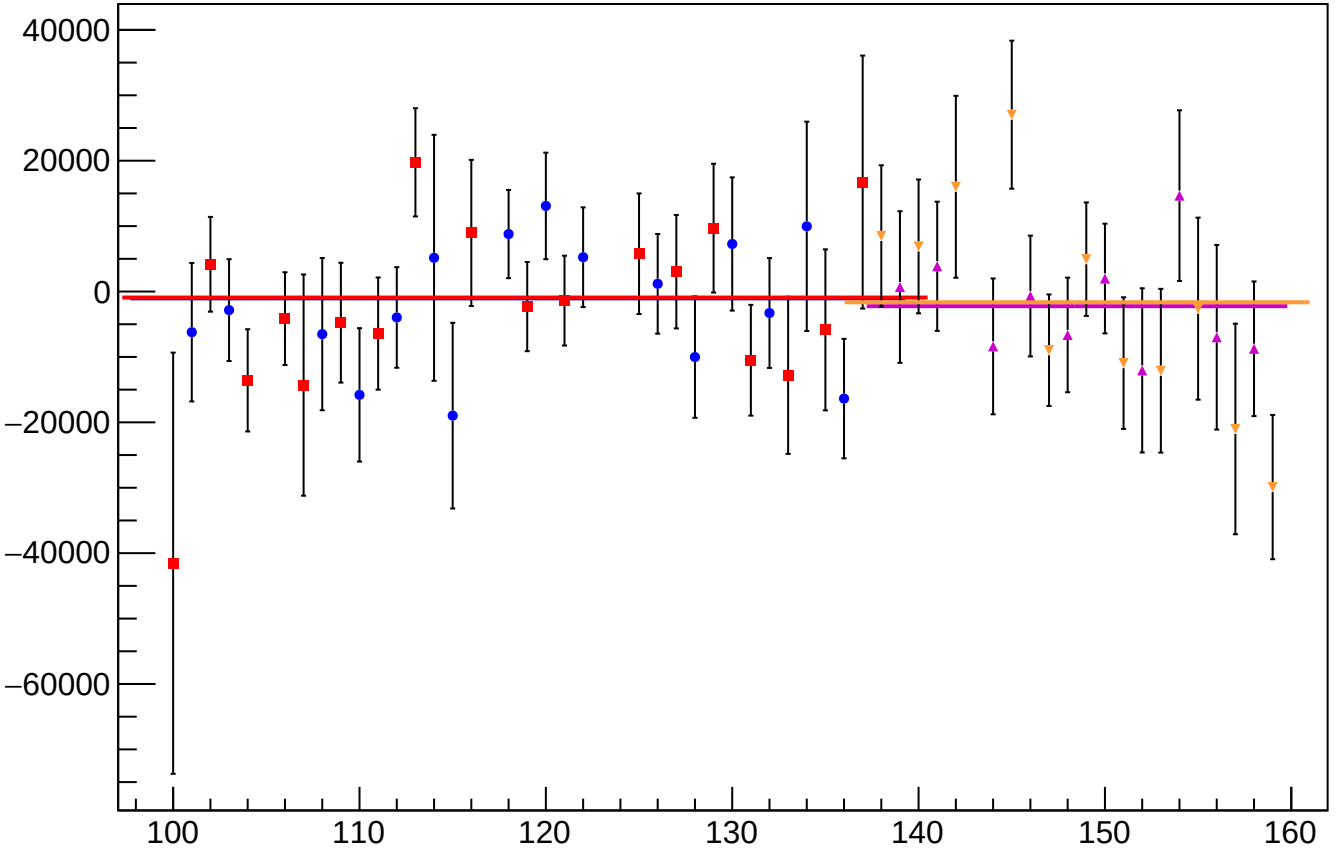
Left In: 2728.818+/-0.655 χ^2/NDF:56850.3/9

+ sign 2335.870+/-0.420 χ^2/NDF: 972291.3/26

All: 2330.992+/-0.297 χ^2/NDF: 1866449.1/54

- sign 2326.153+/-0.419 χ^2/NDF: 893889.5/27

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

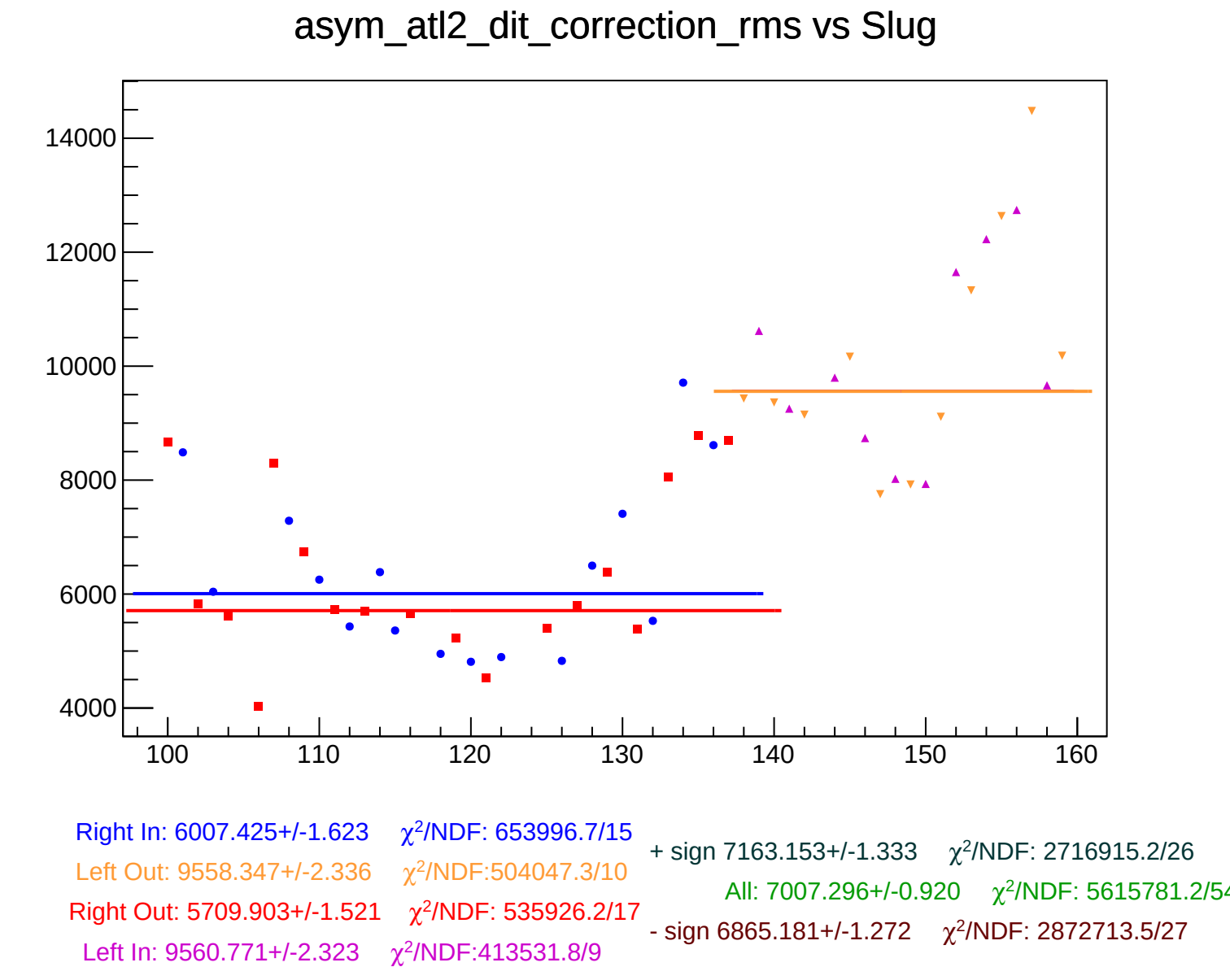
Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: -2238.559+/-3285.510 χ^2/NDF:4.1/9

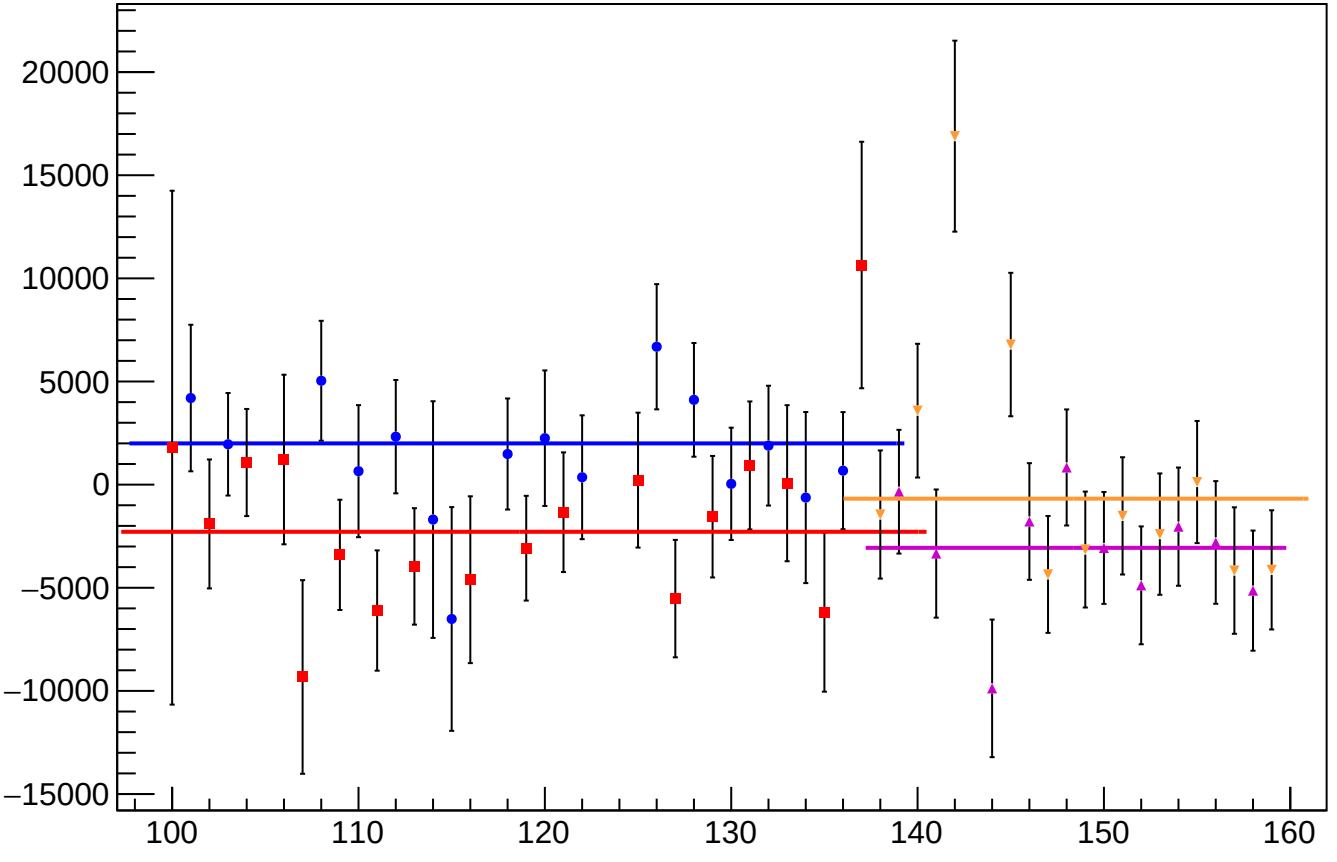
+ sign -1238.340+/-1884.552 χ^2/NDF: 35.8/26

All: -1278.614+/-1301.491 χ^2/NDF: 58.4/54

- sign -1315.338+/-1799.562 χ^2/NDF: 22.6/27


asym_atl2_dit_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9558.347+/-2.336 χ²/NDF:504047.3/10
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9560.771+/-2.323 χ²/NDF:413531.8/9
+ sign 7163.153+/-1.333 χ²/NDF: 2716915.2/26
All: 7007.296+/-0.920 χ²/NDF: 5615781.2/54
- sign 6865.181+/-1.272 χ²/NDF: 2872713.5/27

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

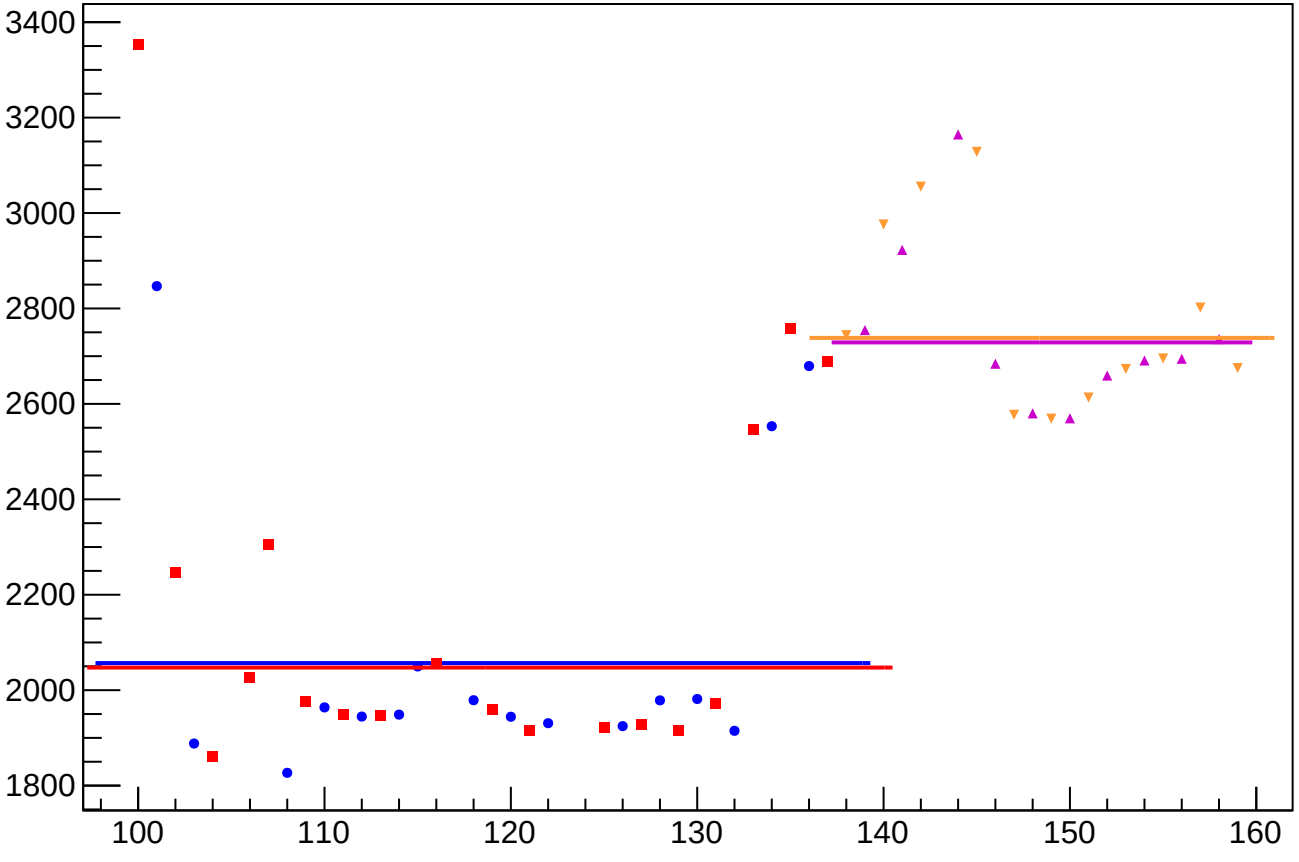
Left In: -3064.192+/-925.612 χ^2/NDF:8.2/9

+ sign 902.006+/-594.425 χ^2/NDF: 40.4/26

All: -856.987+/-419.655 χ^2/NDF: 83.1/54

- sign -2604.852+/-592.542 χ^2/NDF: 25.3/27

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

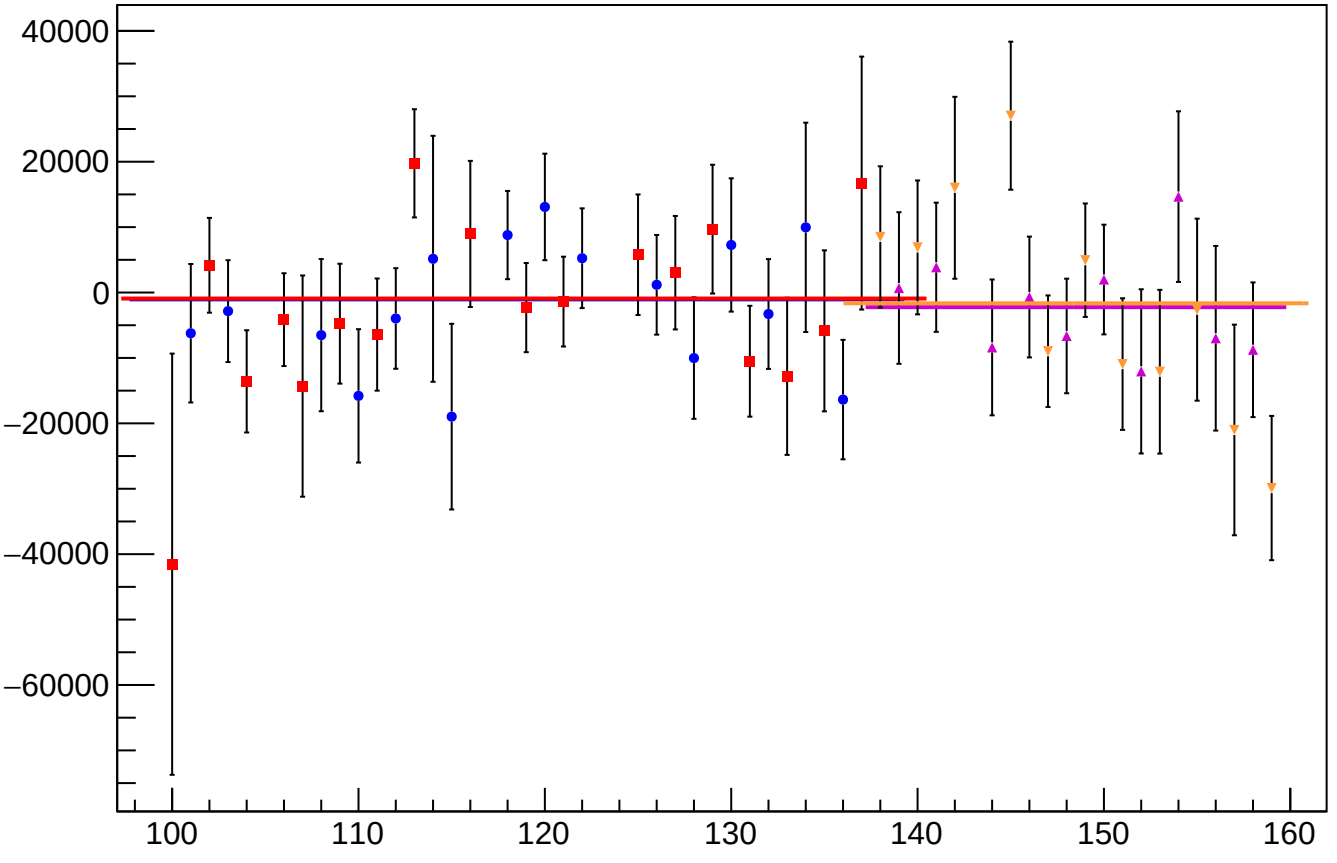
Left In: 2728.821+/-0.655 χ^2/NDF:56850.9/9

+ sign 2335.871+/-0.420 χ^2/NDF: 972296.9/26

All: 2330.993+/-0.297 χ^2/NDF: 1866460.5/54

- sign 2326.154+/-0.419 χ^2/NDF: 893895.2/27

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

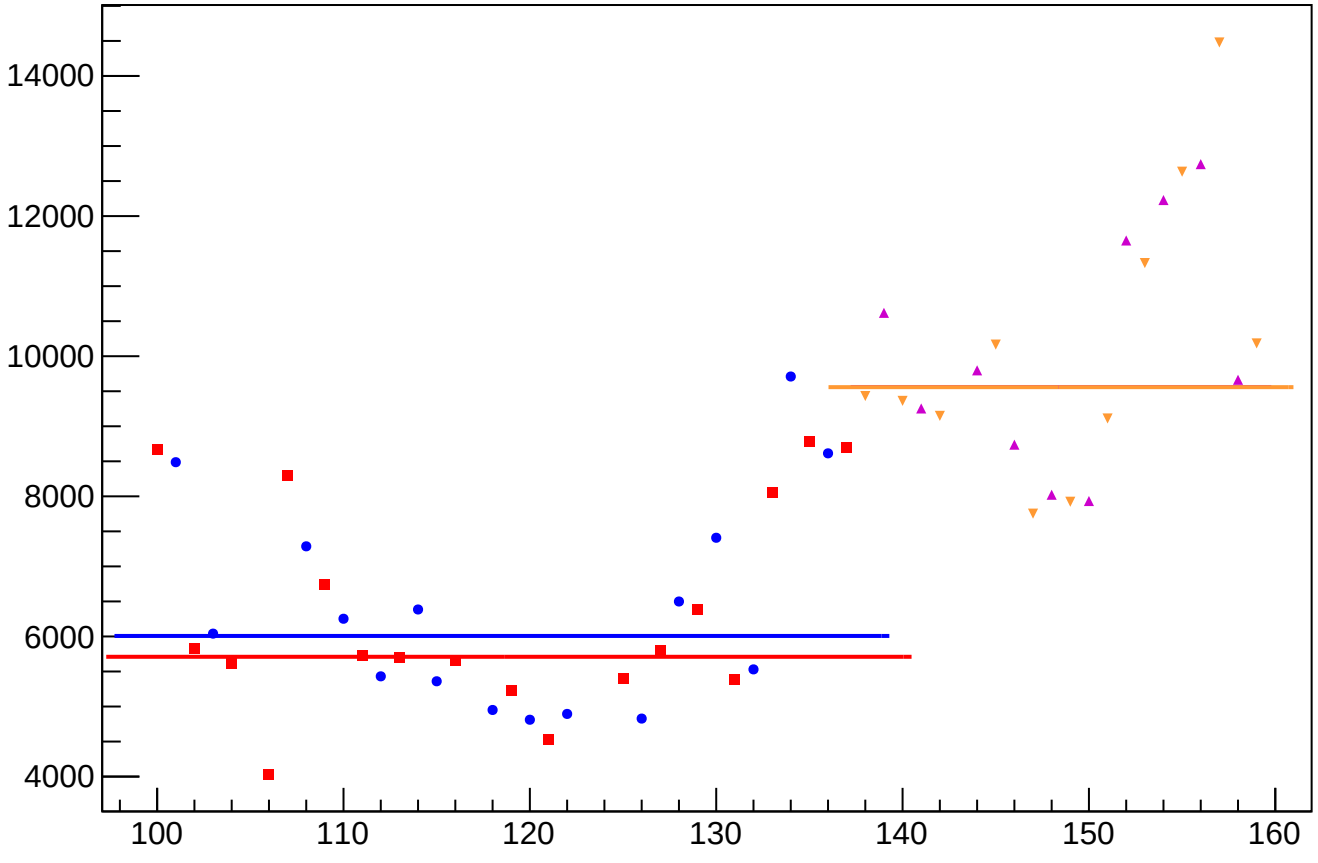
Left In: -2238.564+/-3285.514 χ^2/NDF:4.1/9

+ sign -1238.335+/-1884.549 χ^2/NDF: 35.8/26

All: -1278.613+/-1301.489 χ^2/NDF: 58.4/54

- sign -1315.340+/-1799.559 χ^2/NDF: 22.6/27

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

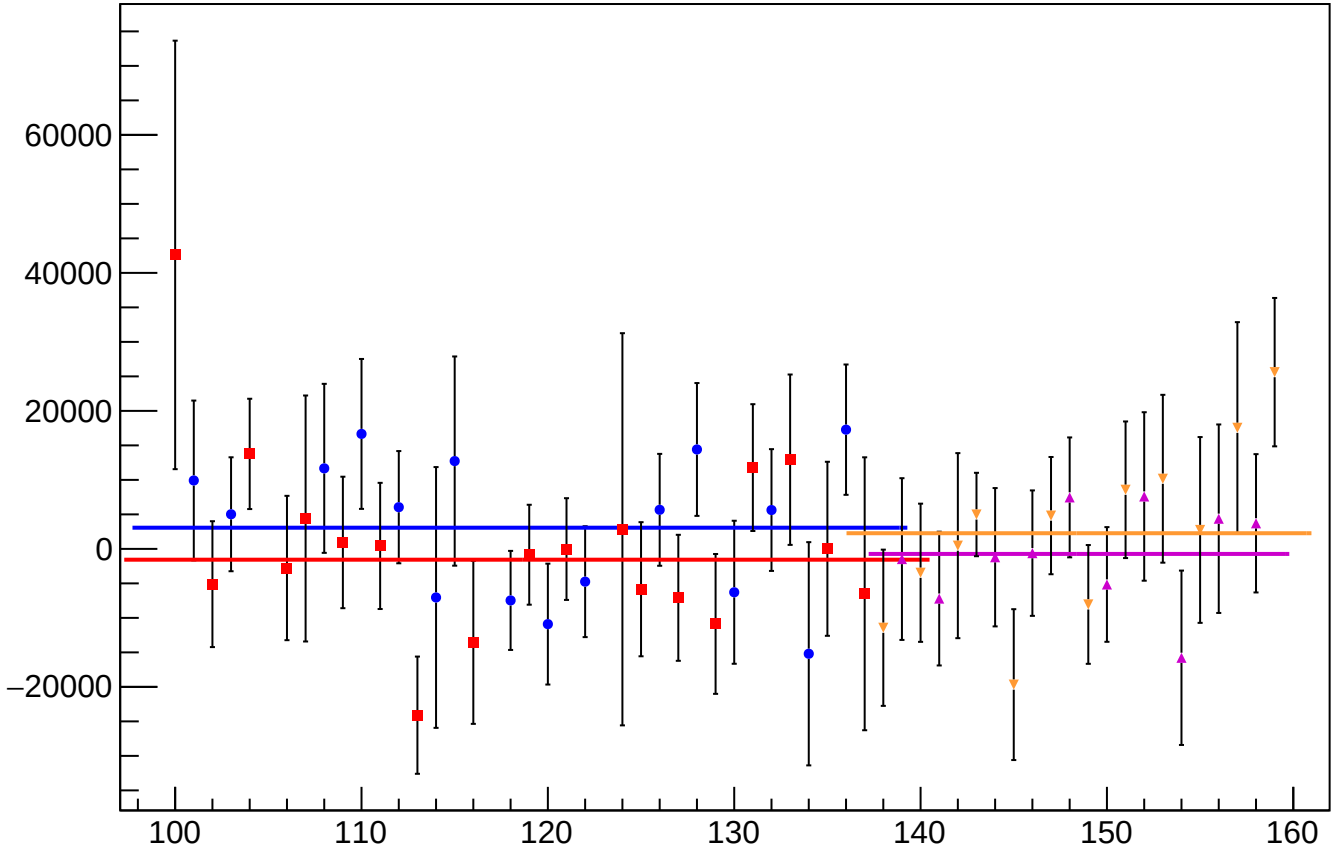
Left In: 9560.782+/-2.323 χ^2/NDF:413534.9/9

+ sign 7163.137+/-1.333 χ^2/NDF: 2716954.7/26

All: 7007.281+/-0.920 χ^2/NDF: 5615855.9/54

- sign 6865.166+/-1.272 χ^2/NDF: 2872748.7/27

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

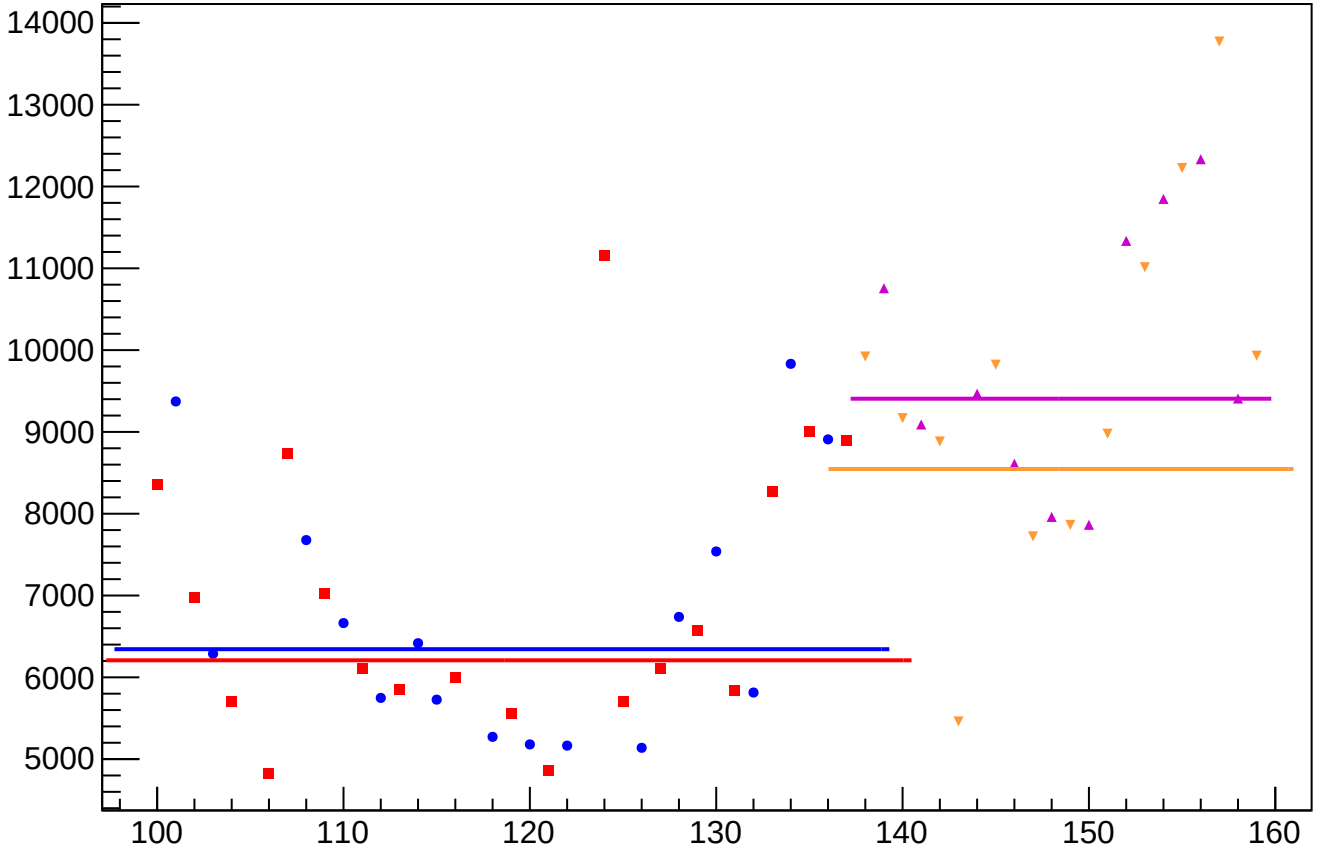
Left In: -730.873+/-3227.735 χ^2/NDF:3.8/9

+ sign 2736.784+/-1849.084 χ^2/NDF: 29.0/27

All: 774.979+/-1322.525 χ^2/NDF: 54.4/56

- sign -1279.668+/-1892.332 χ^2/NDF: 23.1/28

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

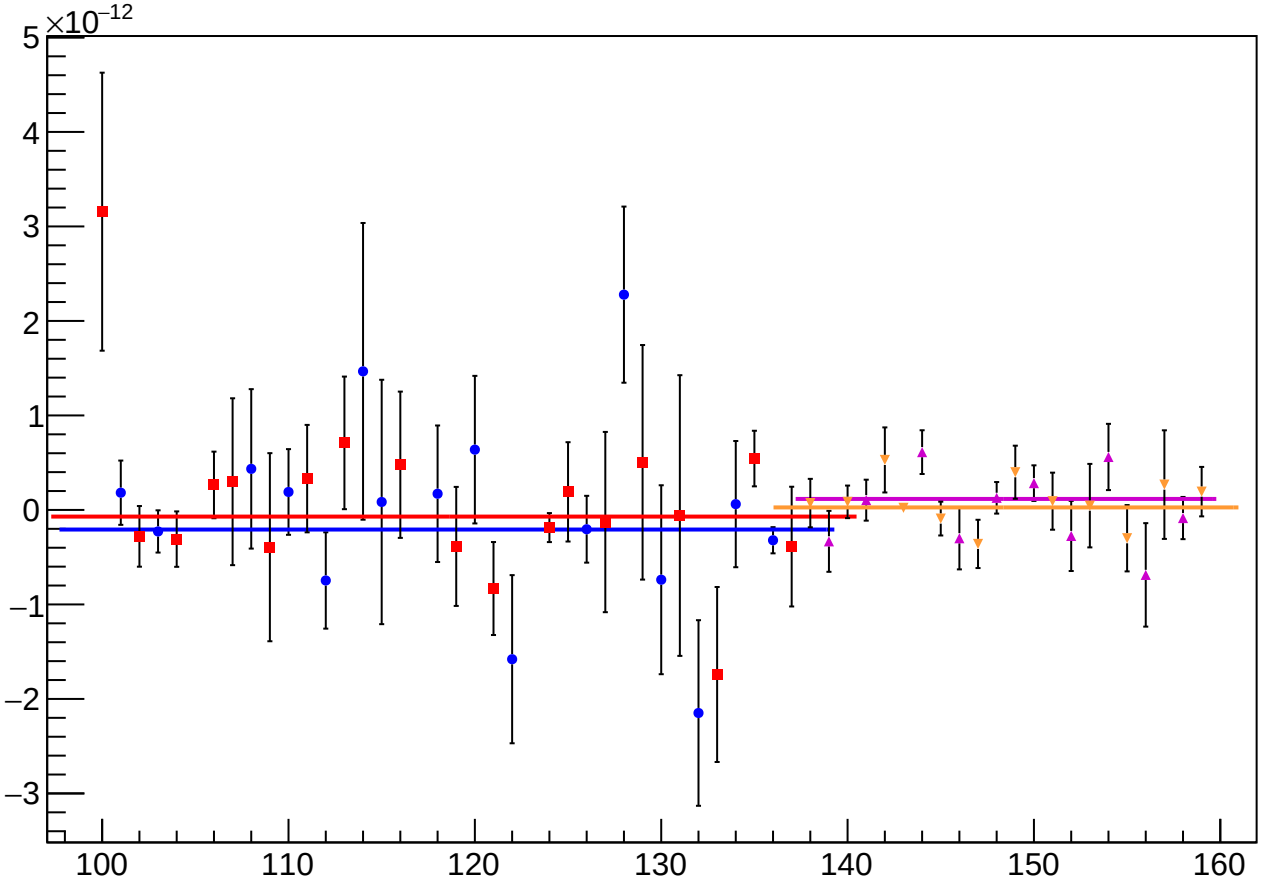
Left In: 9405.984+/-2.282 χ^2/NDF:384671.5/9

+ sign 7261.250+/-1.307 χ^2/NDF: 2431054.4/27

All: 7283.722+/-0.935 χ^2/NDF: 4576577.8/56

- sign 7307.257+/-1.338 χ^2/NDF: 2144918.7/28

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/11

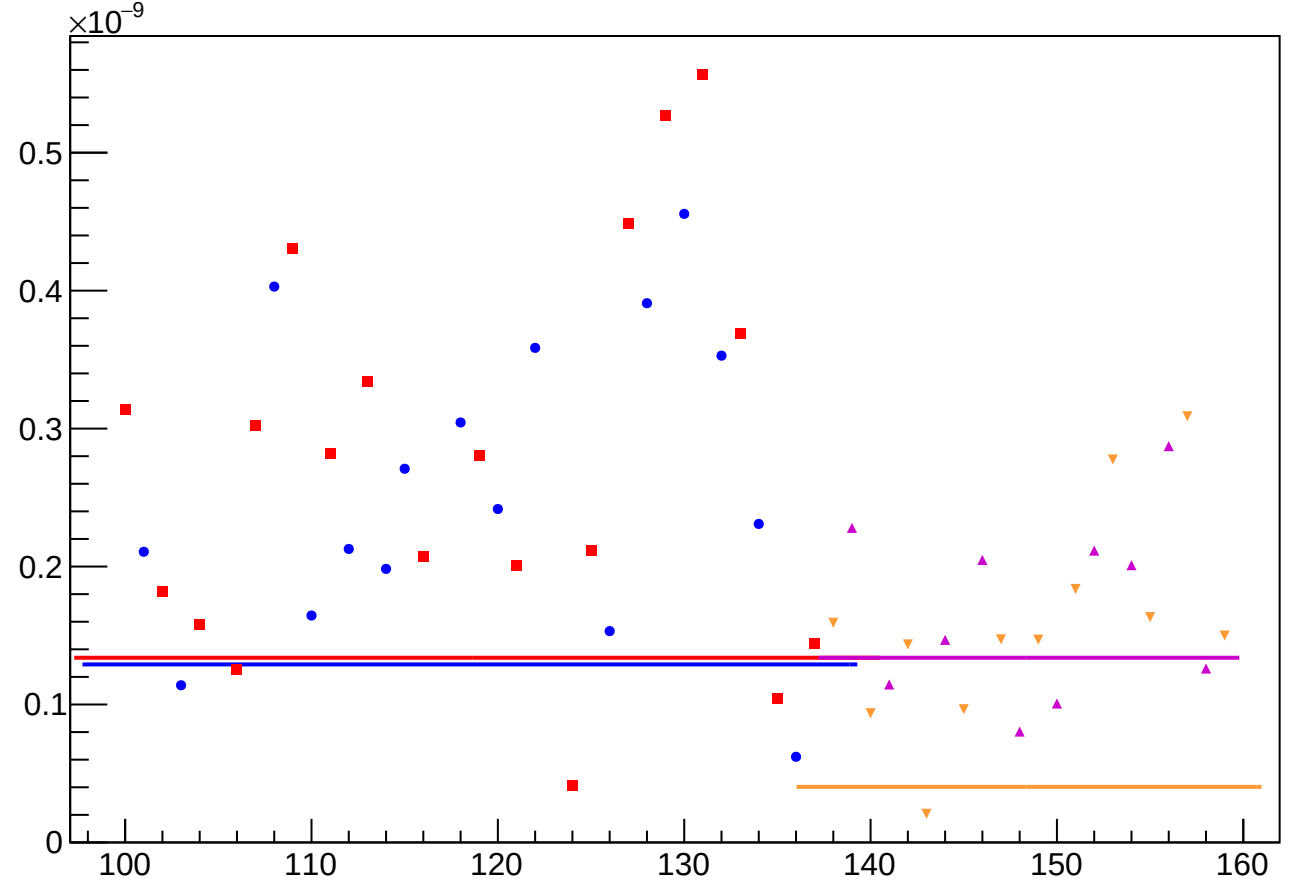
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 34.6/27

All: 0.000+/-0.000 χ^2/NDF: 72.7/56

- sign 0.000+/-0.000 χ^2/NDF: 37.7/28



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

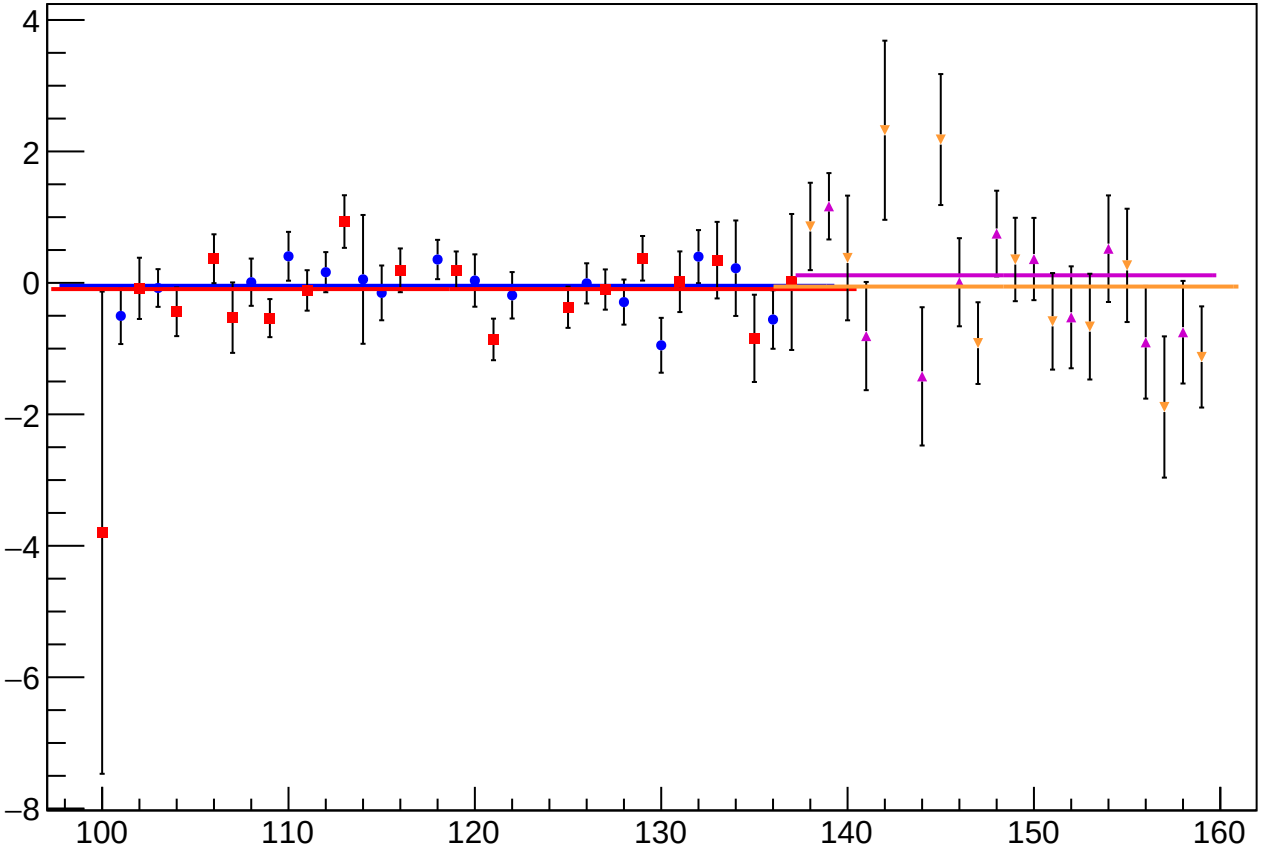
Left In: 0.000+/-0.000 χ^2/NDF:872861.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 7581924.1/27

All: 0.000+/-0.000 χ^2/NDF: 13829131.0/56

- sign 0.000+/-0.000 χ^2/NDF: 3177351.3/28

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

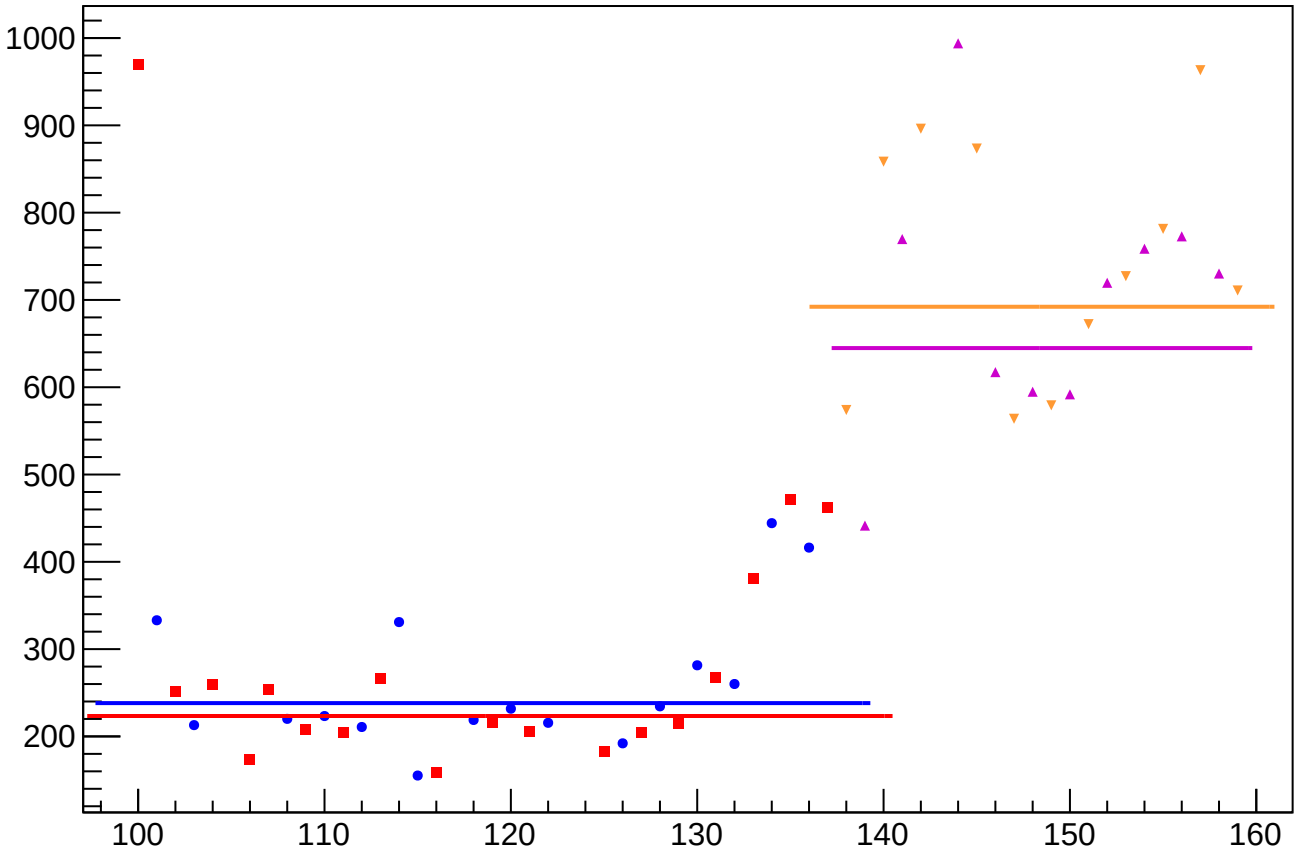
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.116+/-0.226 χ^2/NDF:12.4/9

+ sign -0.046+/-0.087 χ^2/NDF: 31.7/26

All: -0.056+/-0.060 χ^2/NDF: 70.2/54

- sign -0.066+/-0.084 χ^2/NDF: 38.4/27



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

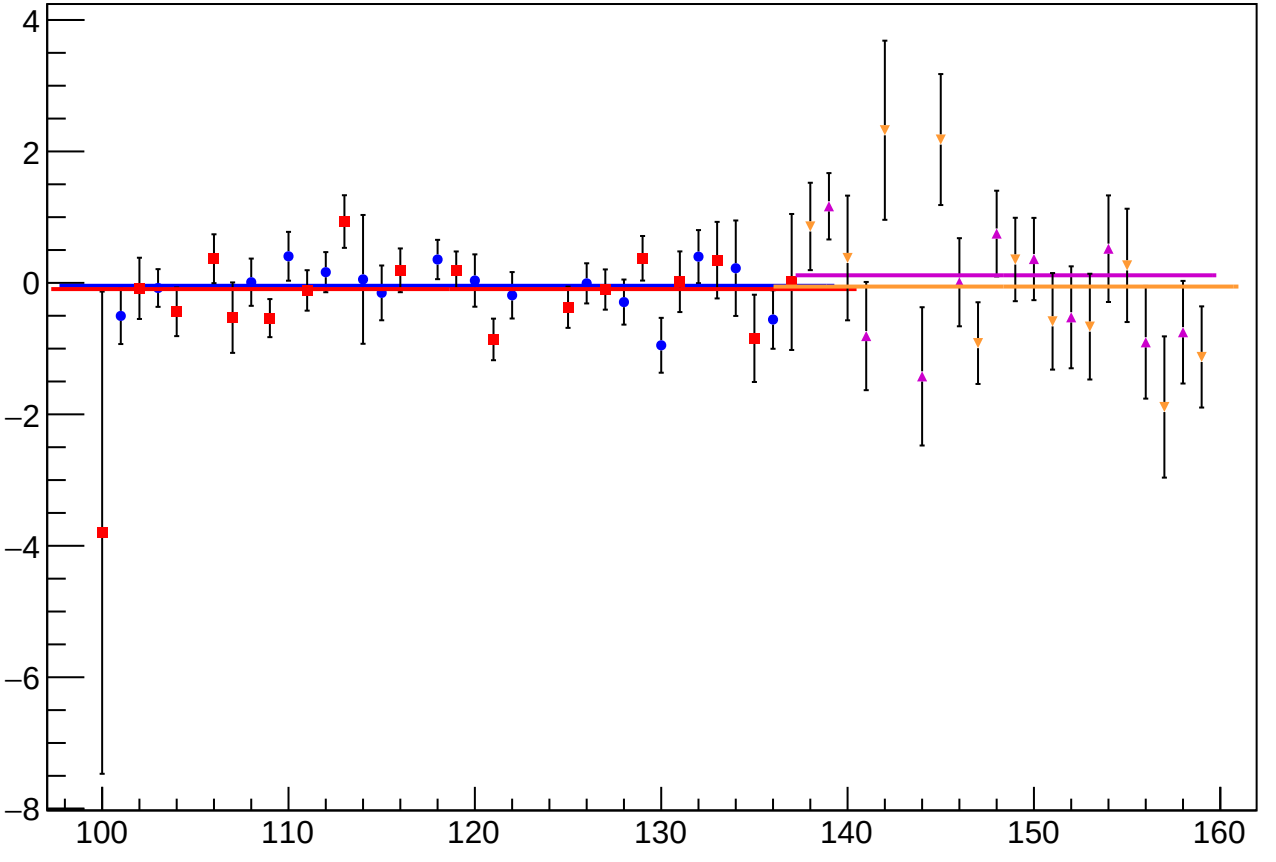
Left In: 644.858+/-0.160 χ^2/NDF:746707.9/9

+ sign 298.111+/-0.062 χ^2/NDF: 7533519.1/26

All: 289.292+/-0.043 χ^2/NDF: 15194870.3/54

- sign 281.214+/-0.059 χ^2/NDF: 7622323.1/27

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

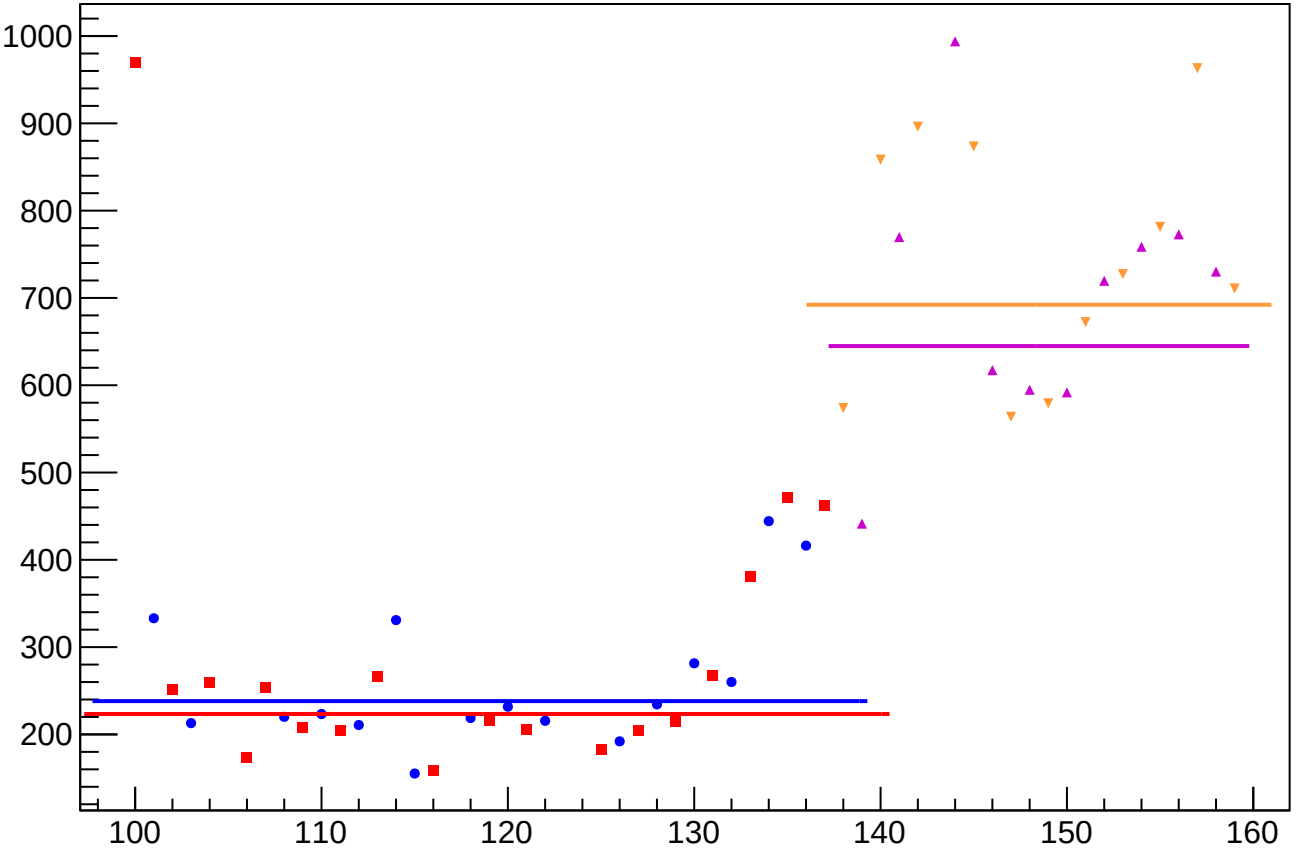
Left In: 0.116+/-0.226 χ^2/NDF:12.4/9

+ sign -0.046+/-0.087 χ^2/NDF: 31.7/26

All: -0.056+/-0.060 χ^2/NDF: 70.2/54

- sign -0.066+/-0.084 χ^2/NDF: 38.4/27

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

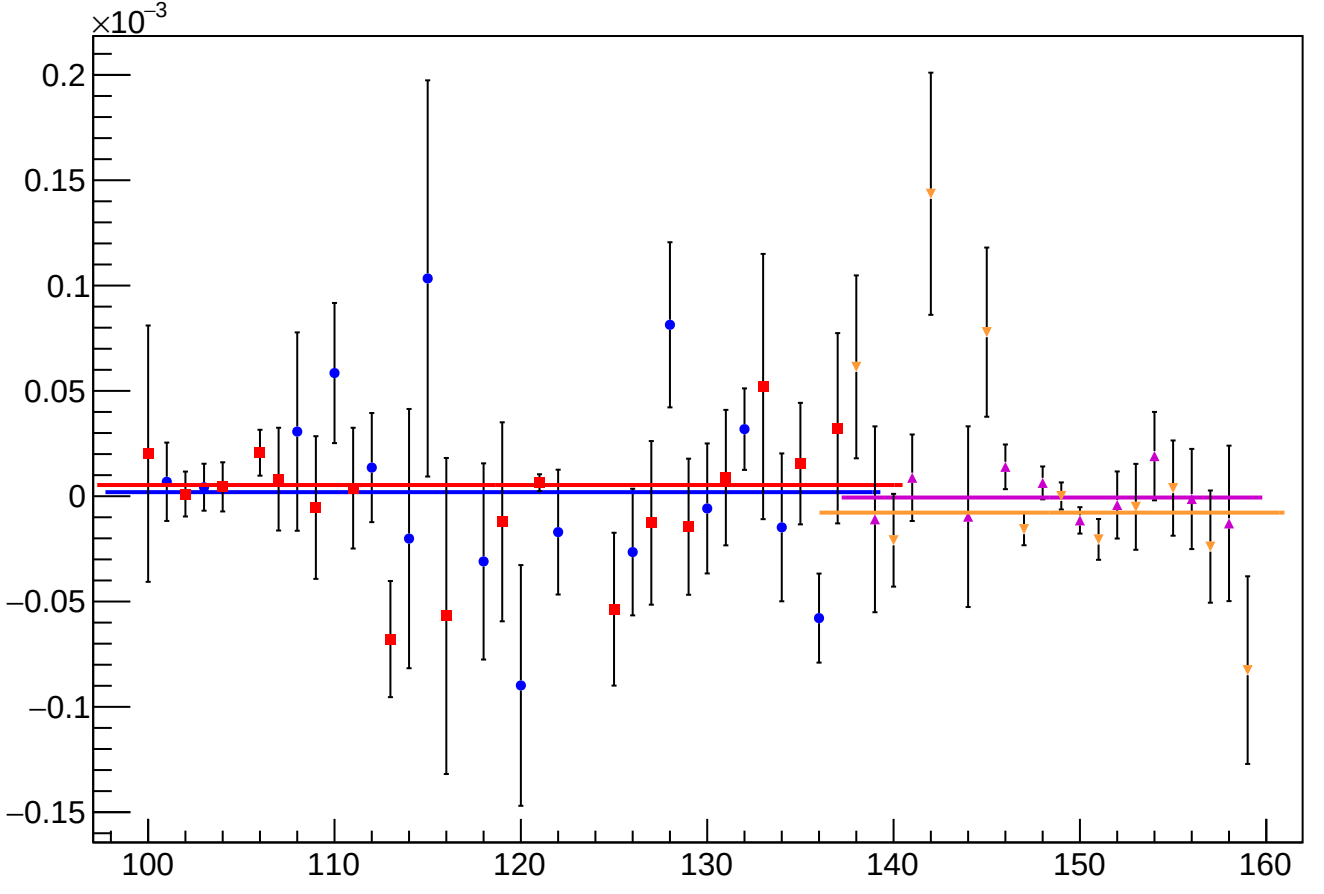
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 644.858+/-0.160 χ^2/NDF:746707.9/9

+ sign 298.111+/-0.062 χ^2/NDF: 7533519.1/26

All: 289.292+/-0.043 χ^2/NDF: 15194870.3/54

- sign 281.214+/-0.059 χ^2/NDF: 7622323.1/27



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

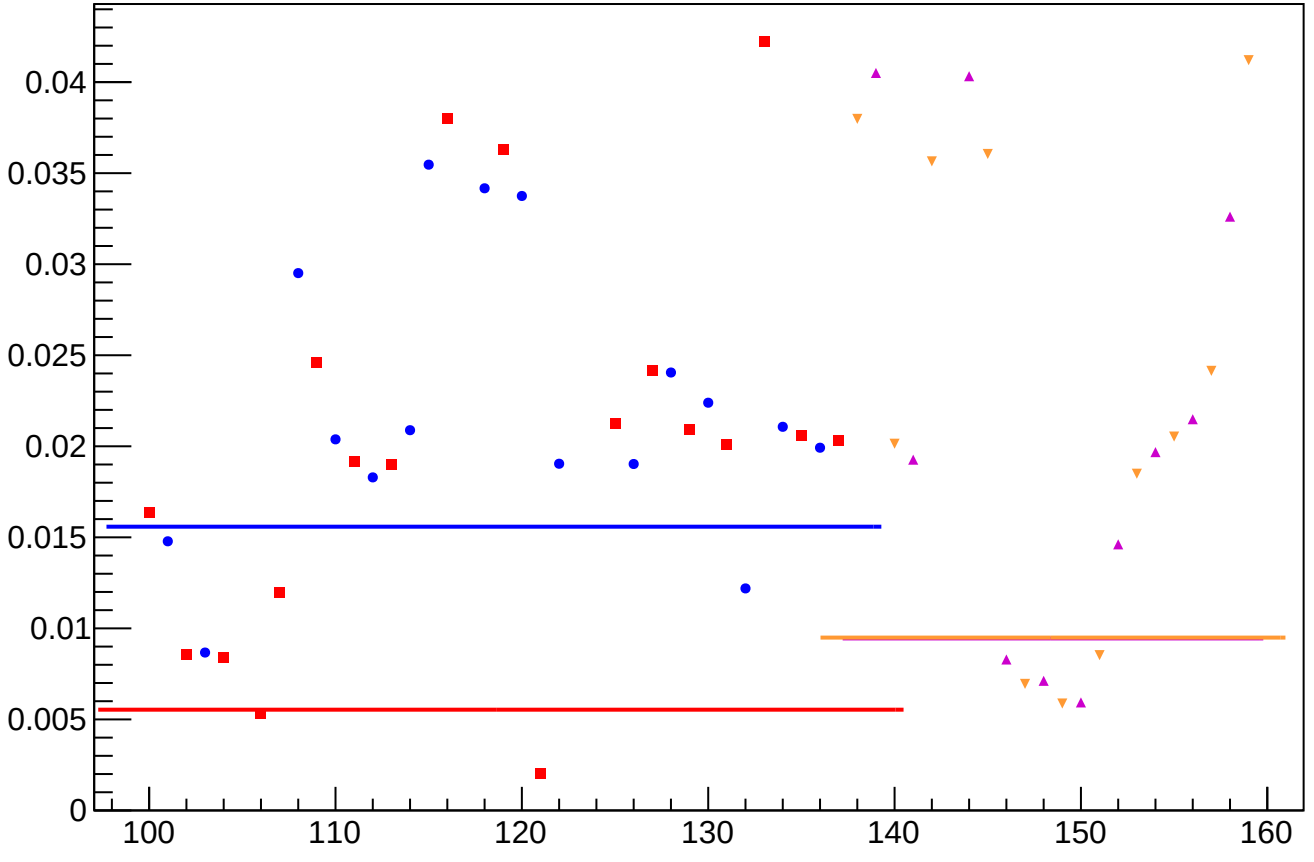
Left In: -0.000+/-0.000 χ^2/NDF:7.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 47.8/26

All: 0.000+/-0.000 χ^2/NDF: 74.4/54

- sign 0.000+/-0.000 χ^2/NDF: 22.9/27

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

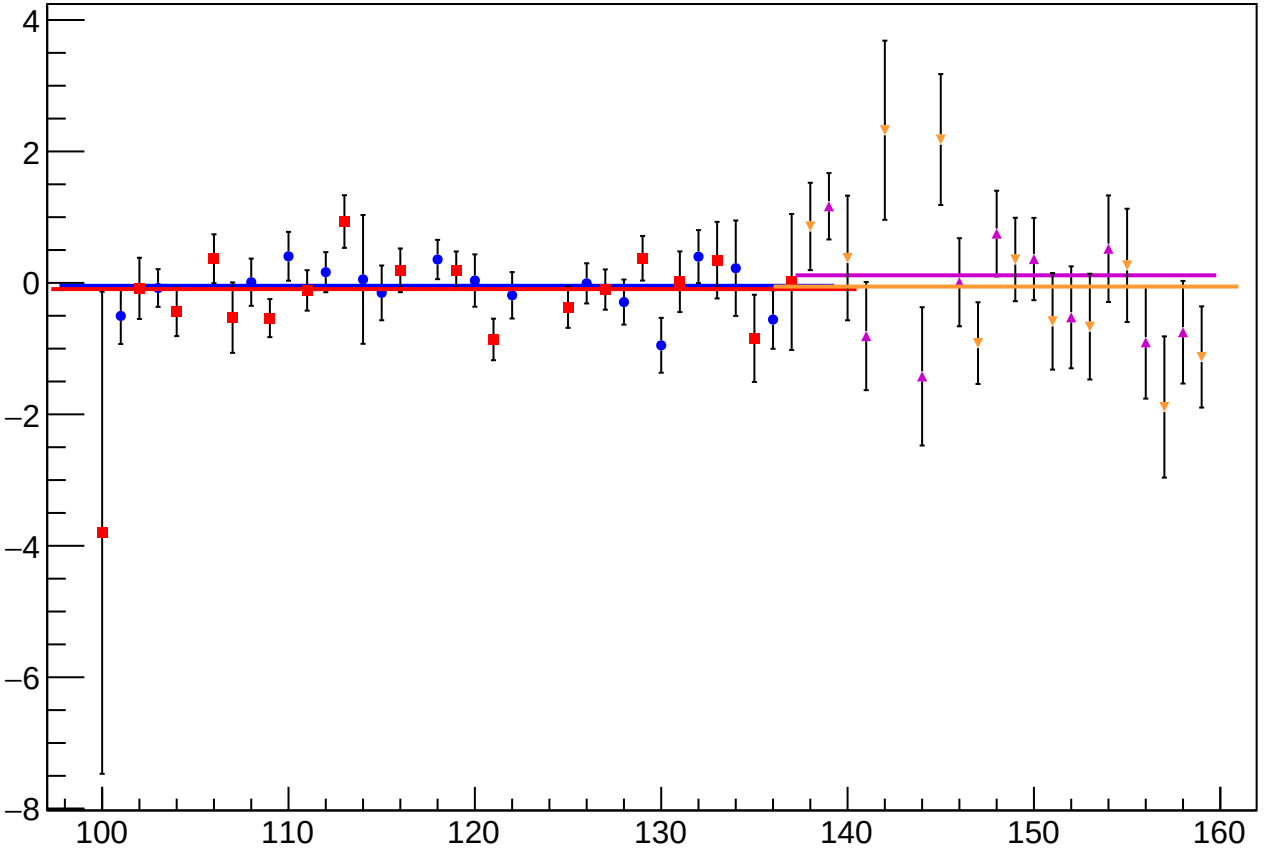
Left In: 0.009+/-0.000 χ^2/NDF:5301830.1/9

+ sign 0.011+/-0.000 χ^2/NDF: 9357678.4/26

All: 0.009+/-0.000 χ^2/NDF: 25732565.0/54

- sign 0.007+/-0.000 χ^2/NDF: 14429108.2/27

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

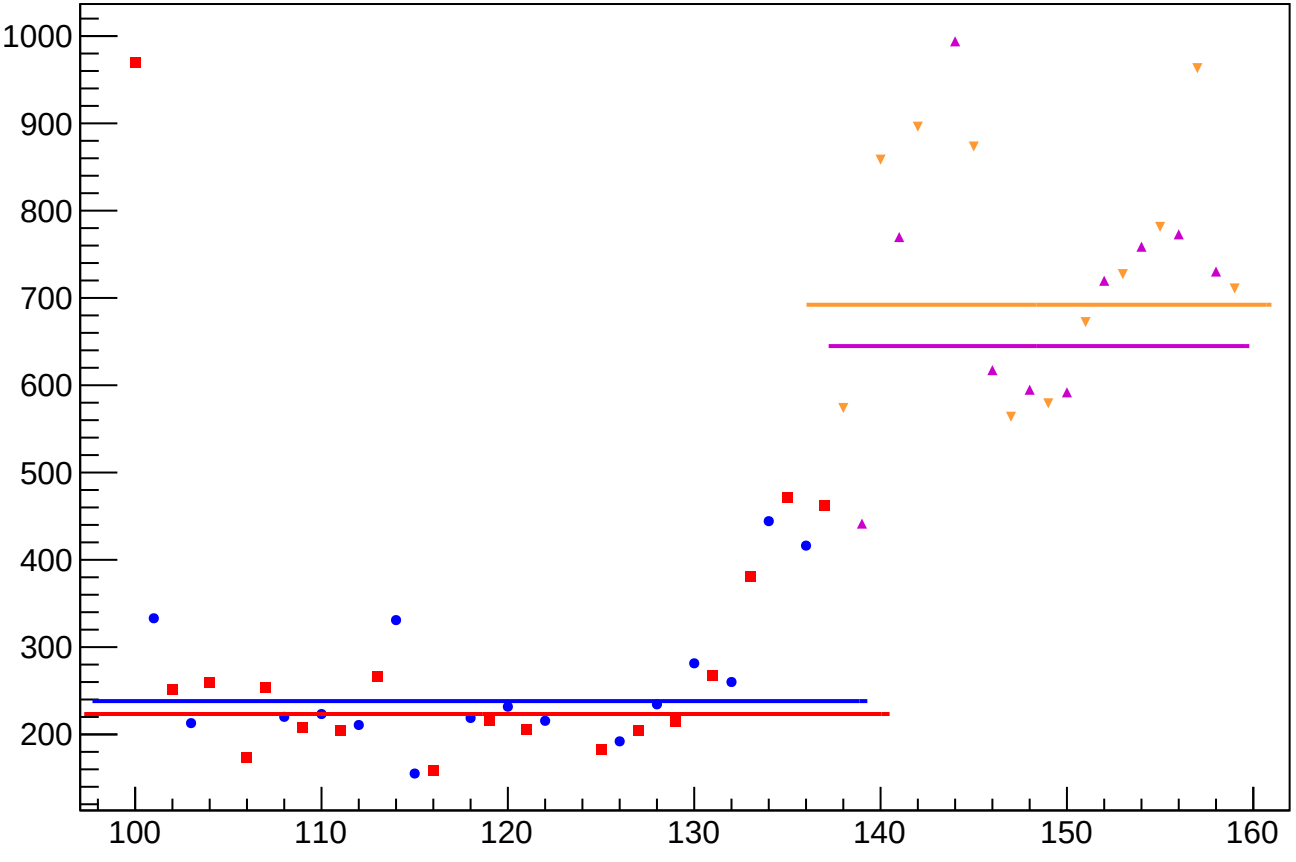
Left In: 0.116+/-0.226 χ^2/NDF:12.4/9

+ sign -0.046+/-0.087 χ^2/NDF: 31.7/26

All: -0.056+/-0.060 χ^2/NDF: 70.2/54

- sign -0.066+/-0.084 χ^2/NDF: 38.4/27

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

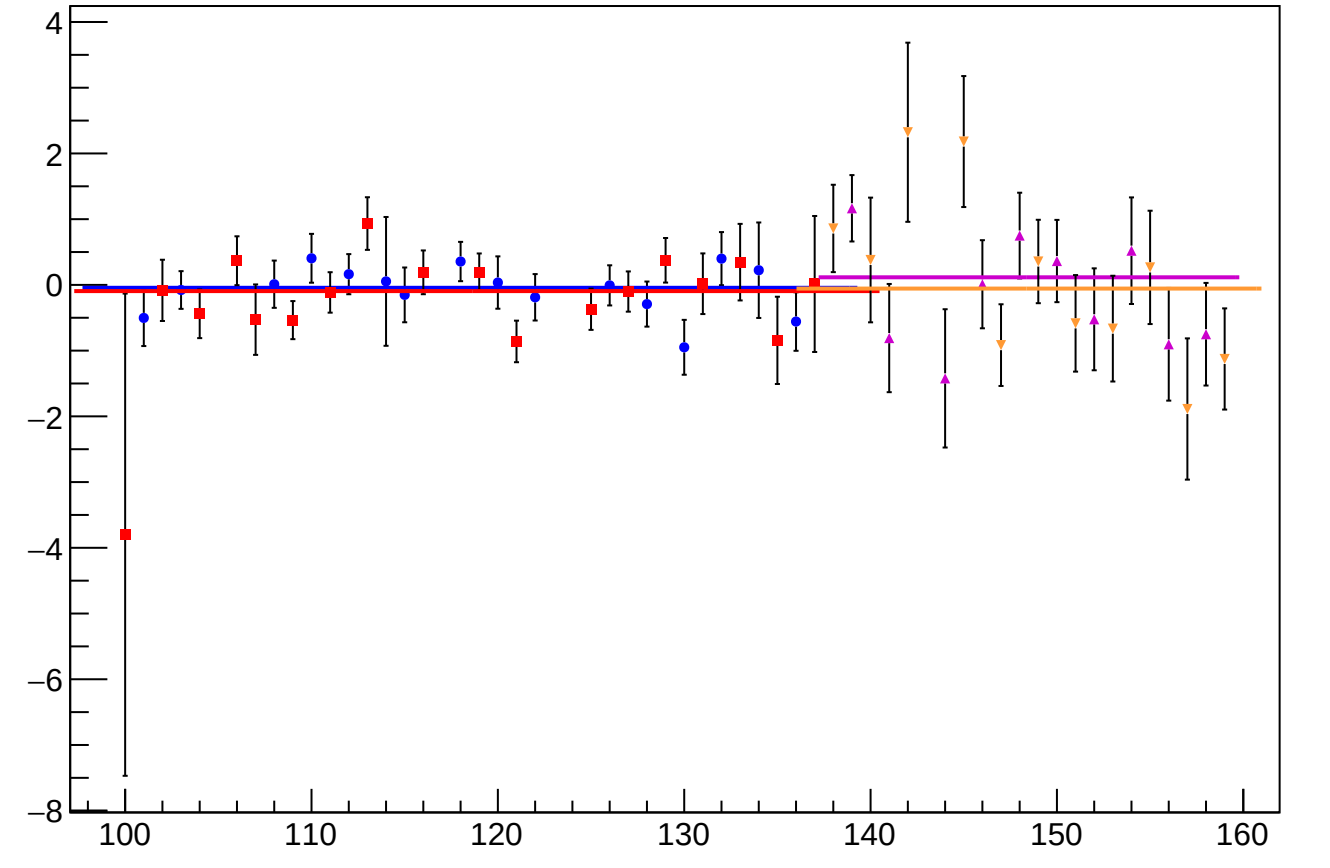
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 644.868+/-0.160 χ^2/NDF:746697.5/9

+ sign 298.112+/-0.062 χ^2/NDF: 7533578.8/26

All: 289.293+/-0.043 χ^2/NDF: 15194927.7/54

- sign 281.216+/-0.059 χ^2/NDF: 7622325.5/27



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.056+/-0.241 χ^2/NDF:18.6/10

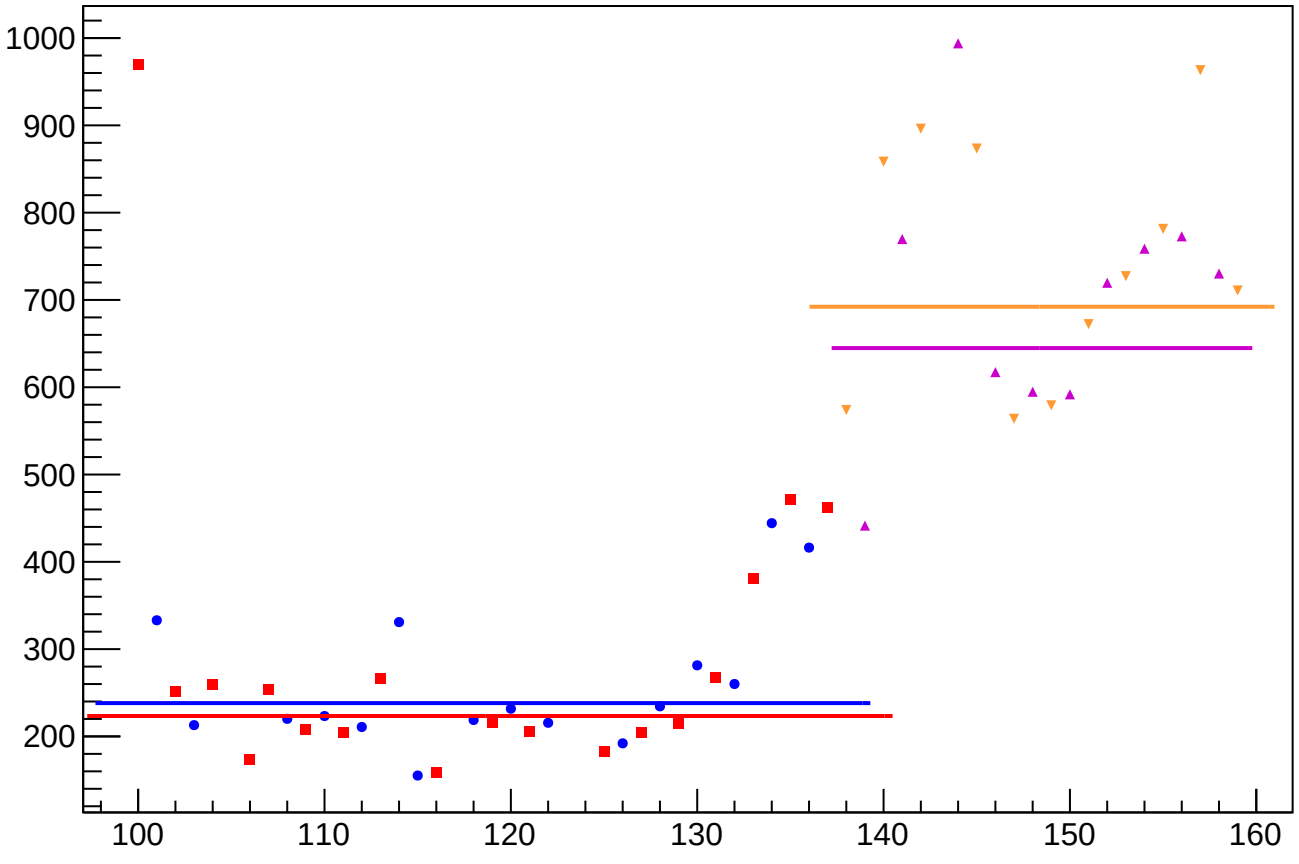
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.116+/-0.226 χ^2/NDF:12.4/9

+ sign -0.046+/-0.087 χ^2/NDF: 31.7/26

All: -0.056+/-0.060 χ^2/NDF: 70.2/54

- sign -0.066+/-0.084 χ^2/NDF: 38.4/27



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

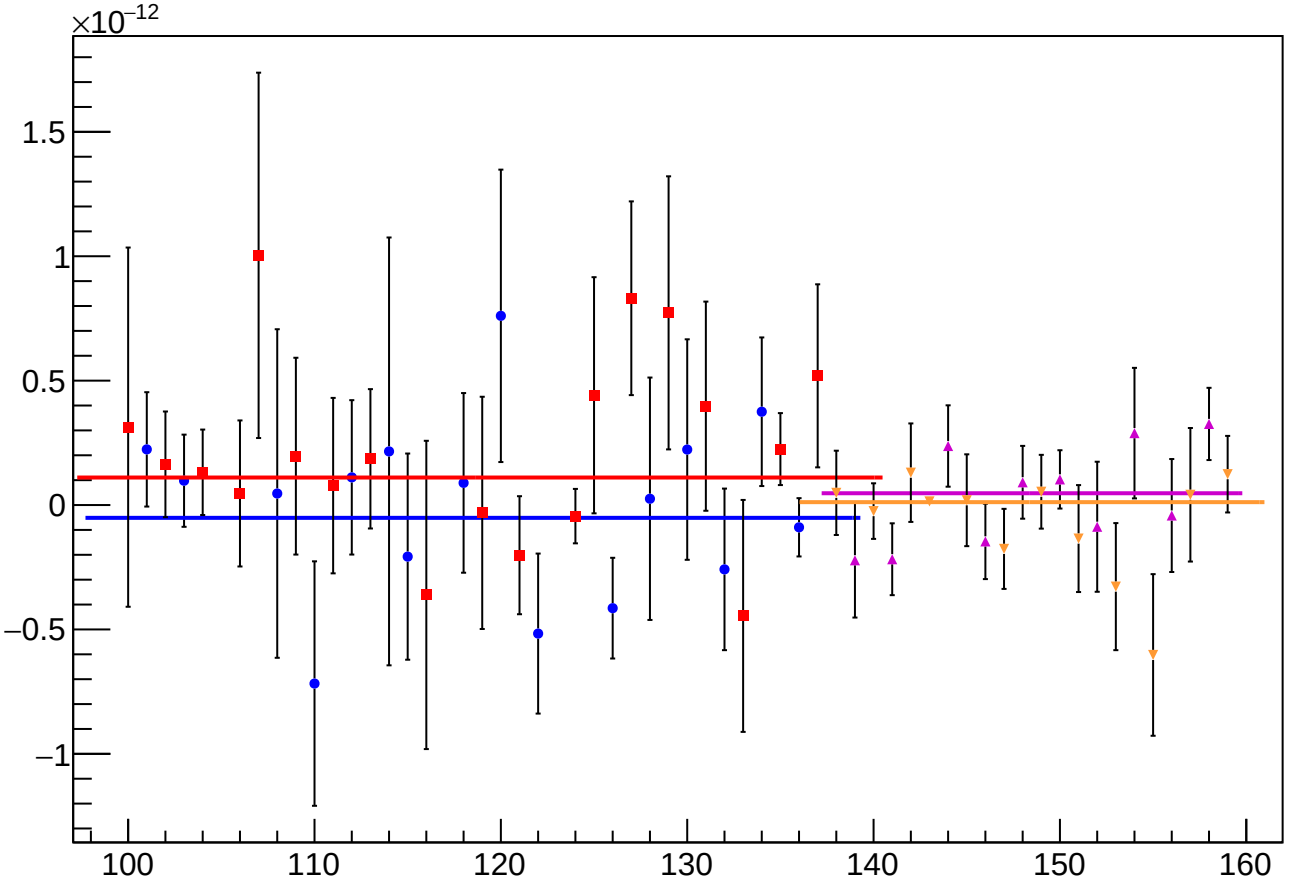
Left In: 644.868+/-0.160 χ^2/NDF:746697.5/9

+ sign 298.112+/-0.062 χ^2/NDF: 7533578.8/26

All: 289.293+/-0.043 χ^2/NDF: 15194927.7/54

- sign 281.216+/-0.059 χ^2/NDF: 7622325.5/27

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

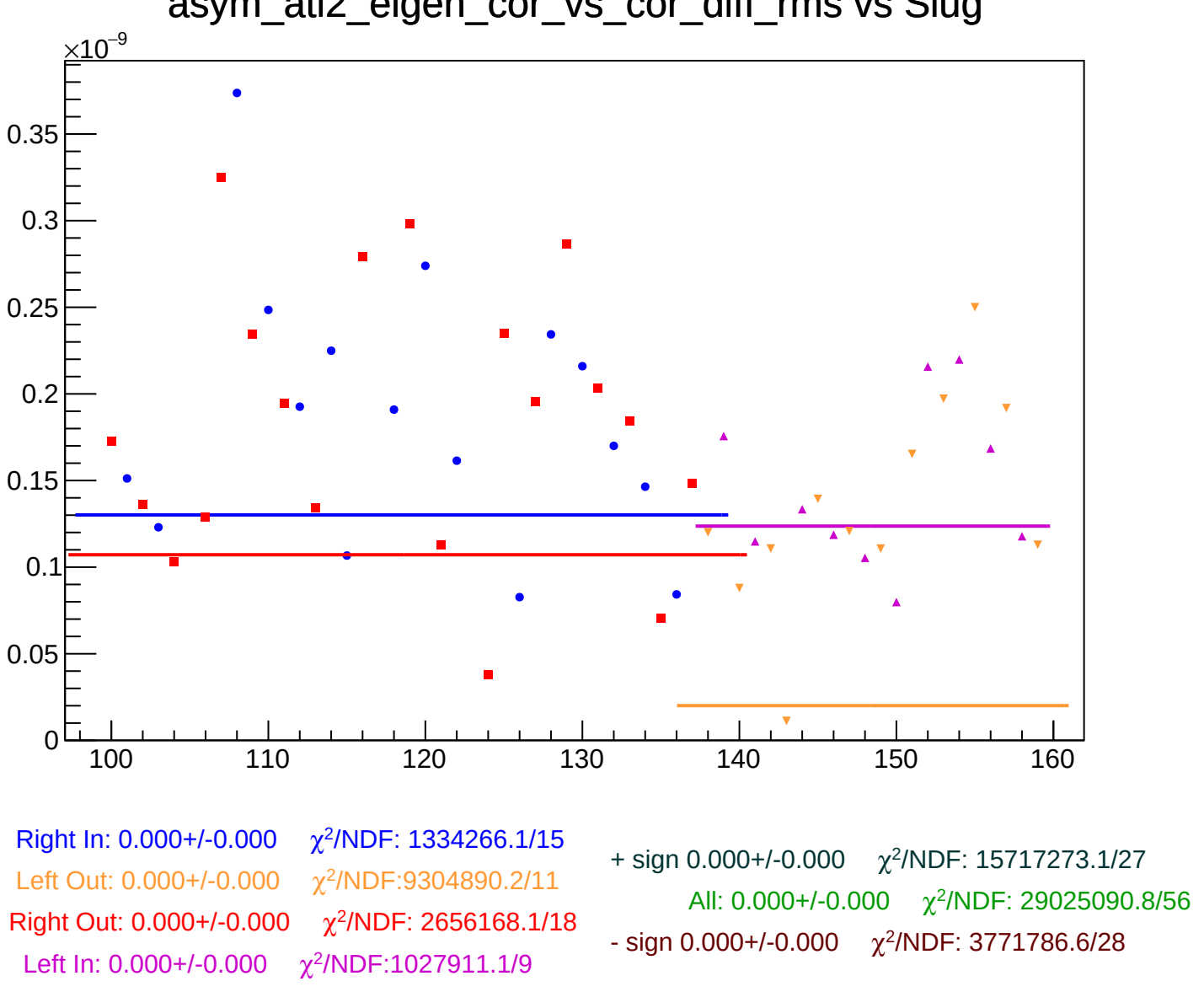
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/9

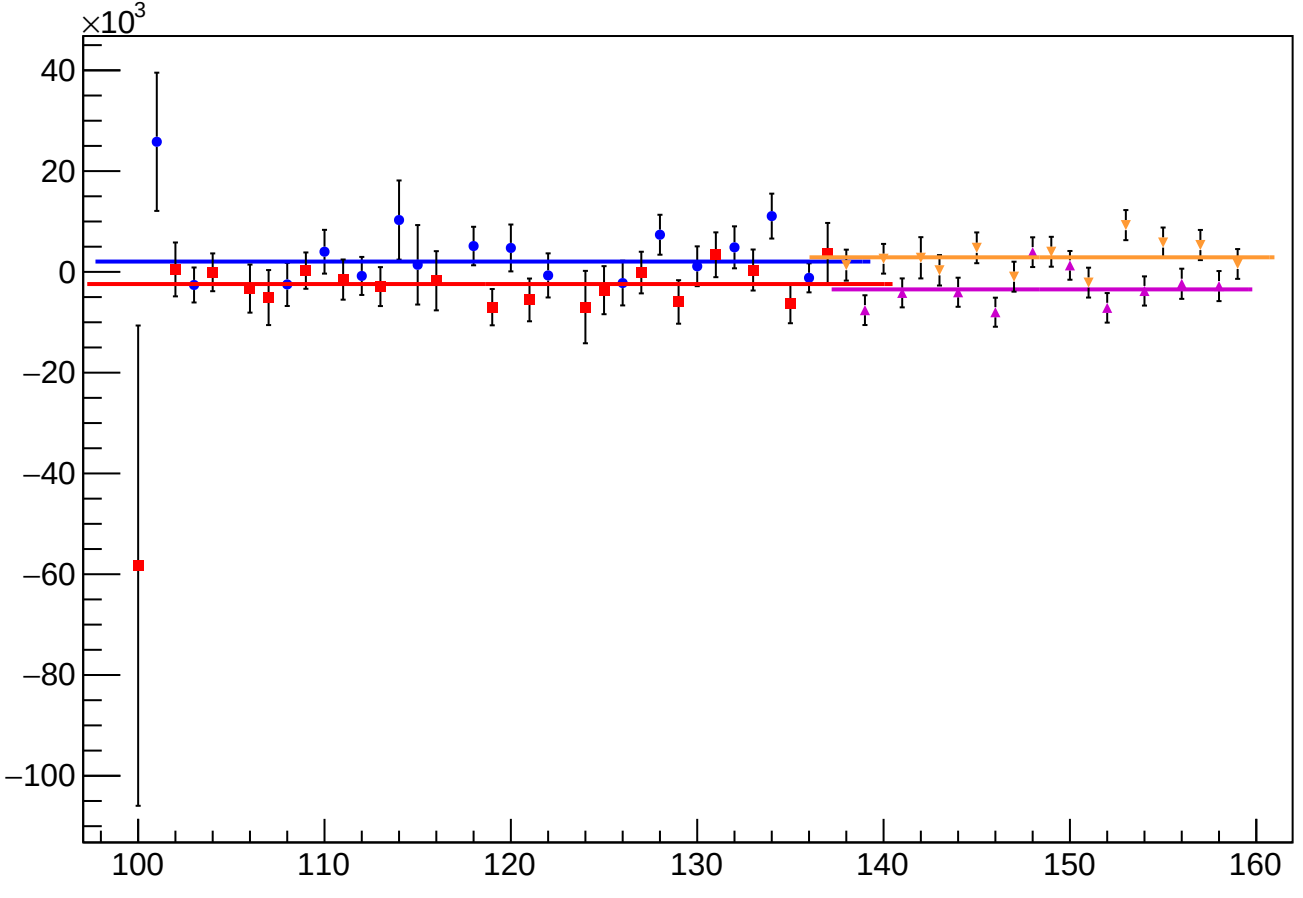
+ sign 0.000+/-0.000 χ^2/NDF: 24.0/27

All: 0.000+/-0.000 χ^2/NDF: 55.5/56

- sign 0.000+/-0.000 χ^2/NDF: 29.0/28


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:1027911.1/9
+ sign 0.000+/-0.000 χ²/NDF: 15717273.1/27
All: 0.000+/-0.000 χ²/NDF: 29025090.8/56
- sign 0.000+/-0.000 χ²/NDF: 3771786.6/28

reg_asym_atr1_mean vs Slug



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

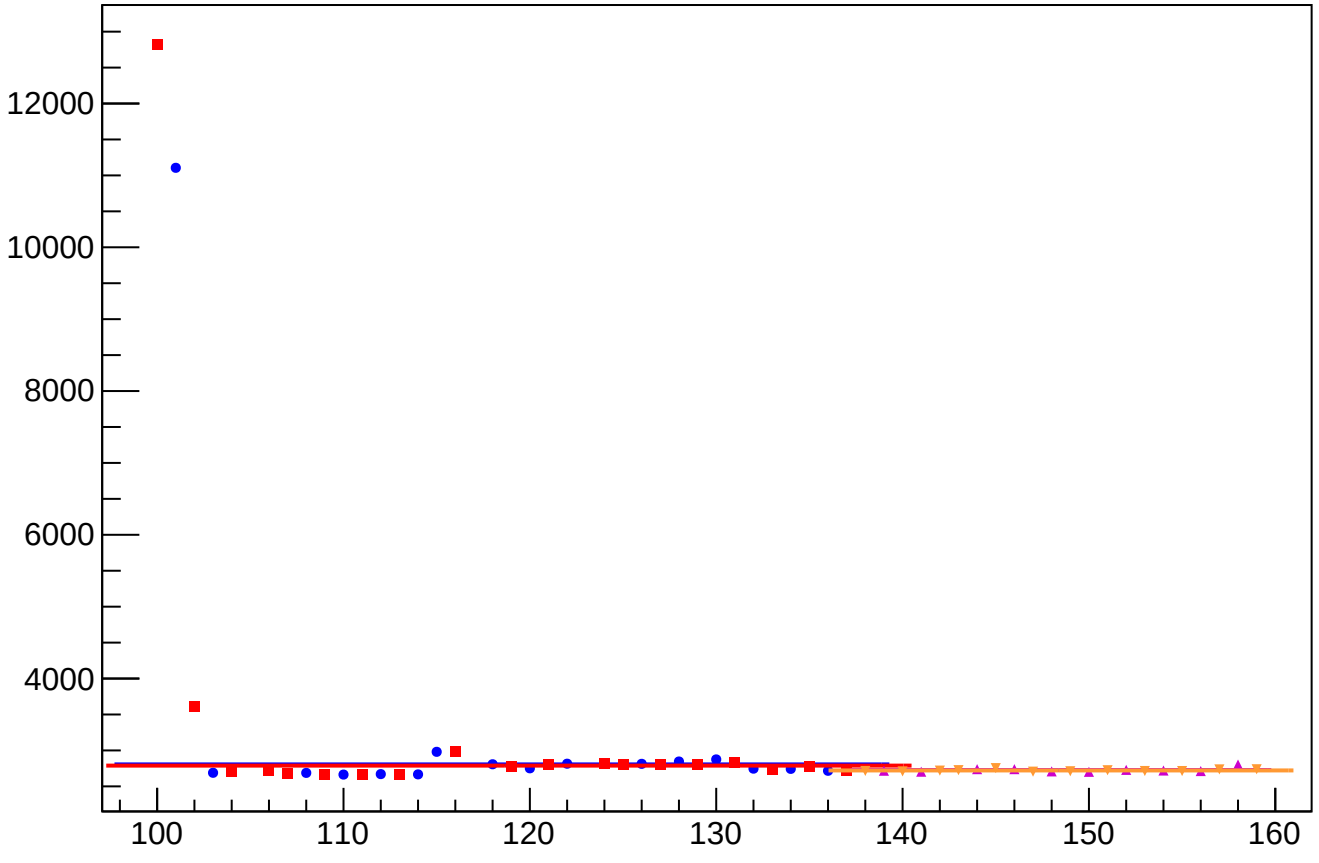
Left In: -3474.531+/-923.466 χ^2/NDF:15.3/9

+ sign 2552.510+/-680.116 χ^2/NDF: 30.6/27

All: -188.770+/-484.094 χ^2/NDF: 90.2/56

- sign -3003.756+/-689.199 χ^2/NDF: 26.7/28

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

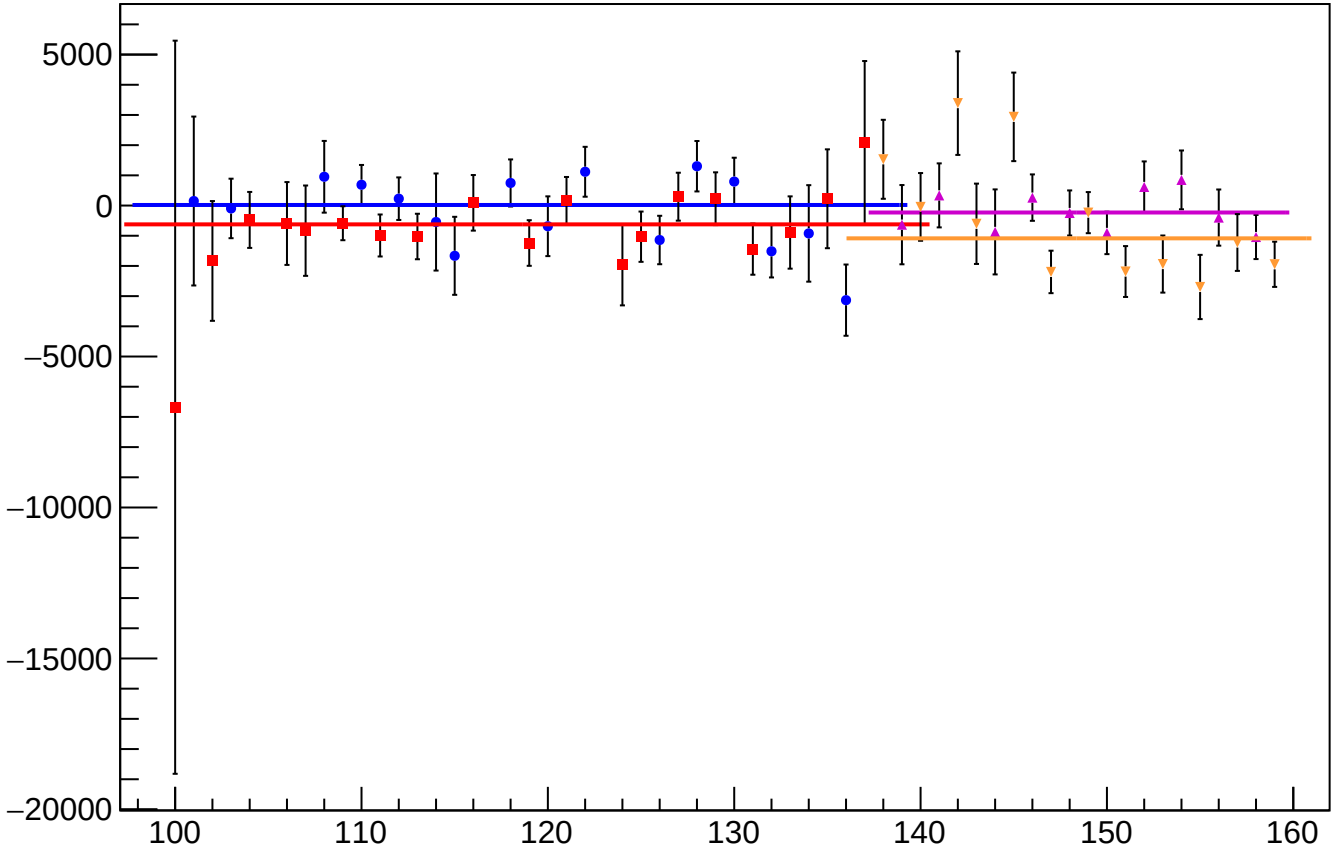
Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

+ sign 2755.542+/-0.481 χ^2/NDF: 754044.7/27

All: 2755.146+/-0.342 χ^2/NDF: 906754.2/56

- sign 2754.739+/-0.487 χ^2/NDF: 152708.2/28

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

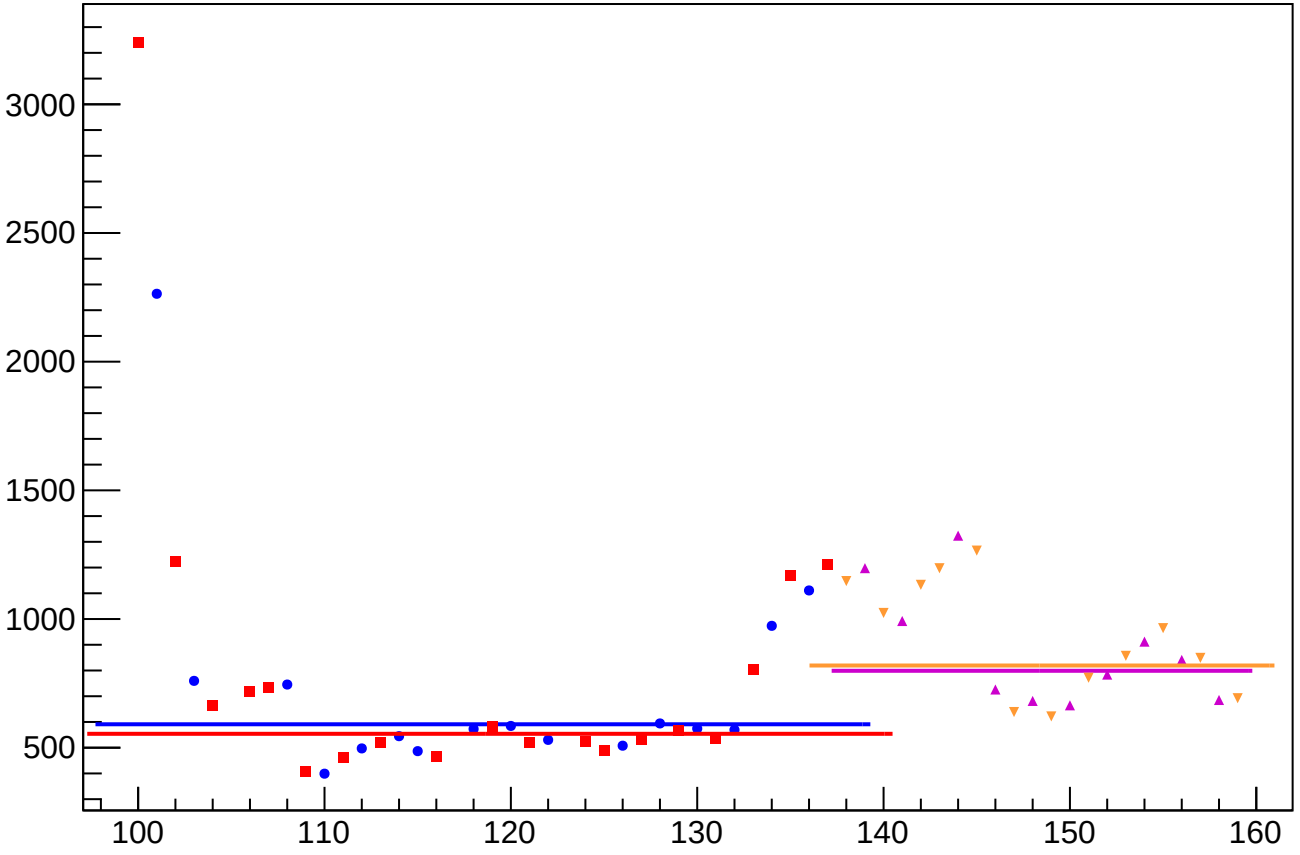
Left In: -230.447+/-277.716 χ^2/NDF:5.4/9

\+ sign -444.586+/-177.900 χ^2/NDF: 61.7/27

All: -460.519+/-123.085 χ^2/NDF: 77.7/56

\- sign -475.150+/-170.475 χ^2/NDF: 15.9/28

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

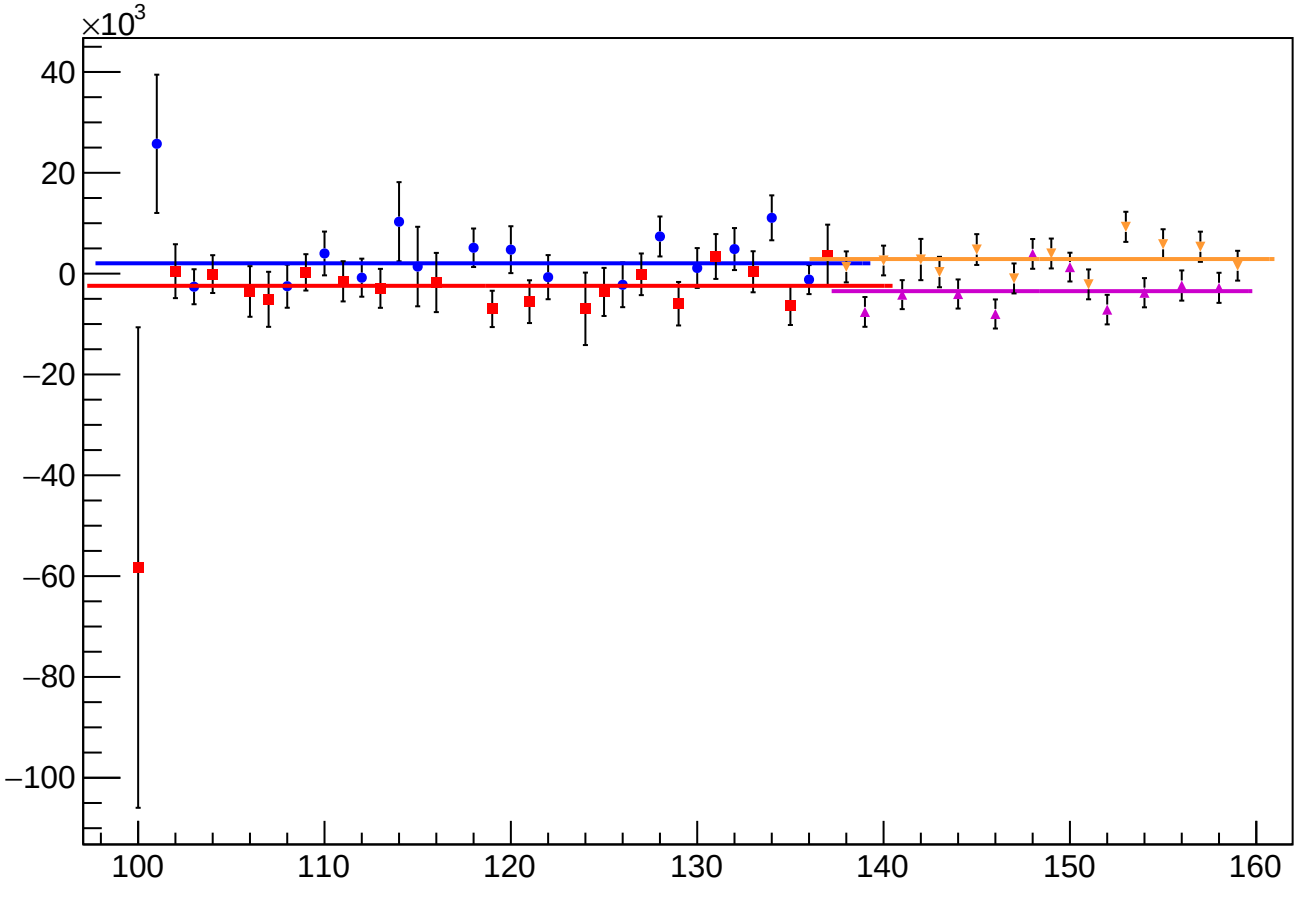
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 798.860+/-0.196 χ^2/NDF:749257.1/9

+ sign 686.823+/-0.126 χ^2/NDF: 3383244.8/27

All: 665.674+/-0.087 χ^2/NDF: 6272696.3/56

- sign 646.253+/-0.121 χ^2/NDF: 2835229.7/28



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

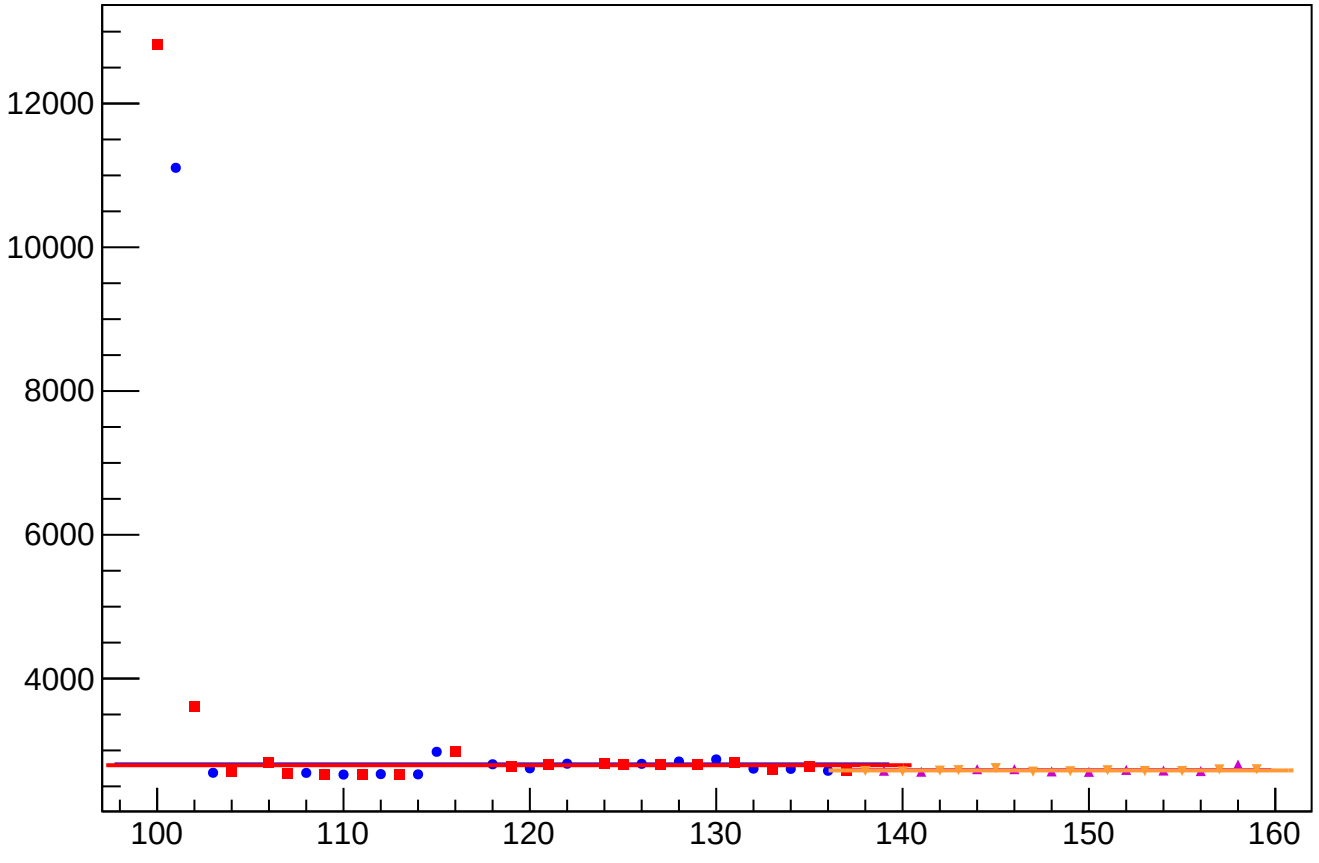
Left In: -3474.617+/-923.466 χ^2/NDF:15.3/9

+ sign 2552.216+/-680.116 χ^2/NDF: 30.6/27

All: -188.028+/-484.337 χ^2/NDF: 90.2/56

- sign -3007.684+/-689.901 χ^2/NDF: 26.7/28

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

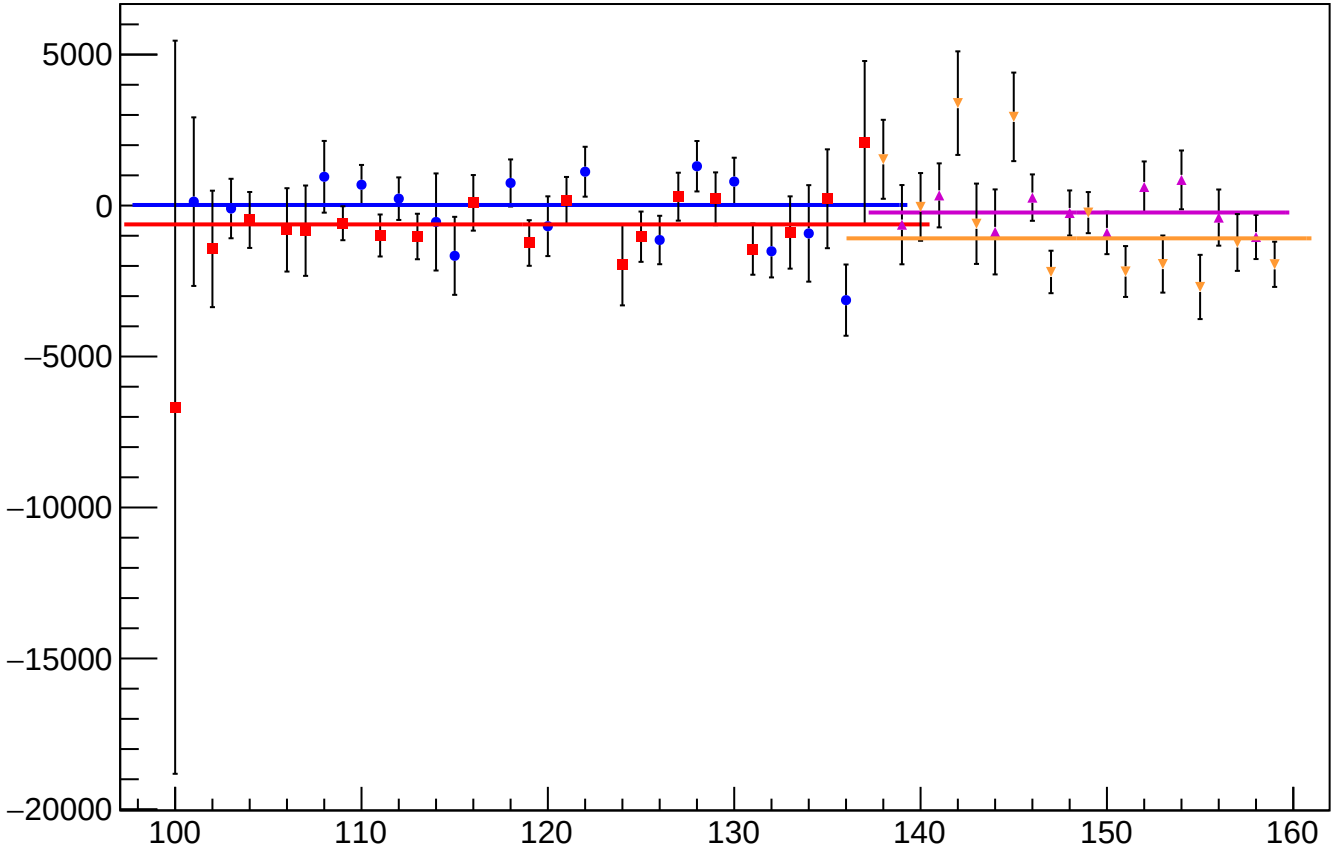
Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

+ sign 2755.542+/-0.481 χ^2/NDF: 754043.8/27

All: 2756.275+/-0.342 χ^2/NDF: 907198.9/56

- sign 2757.028+/-0.488 χ^2/NDF: 153150.5/28

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

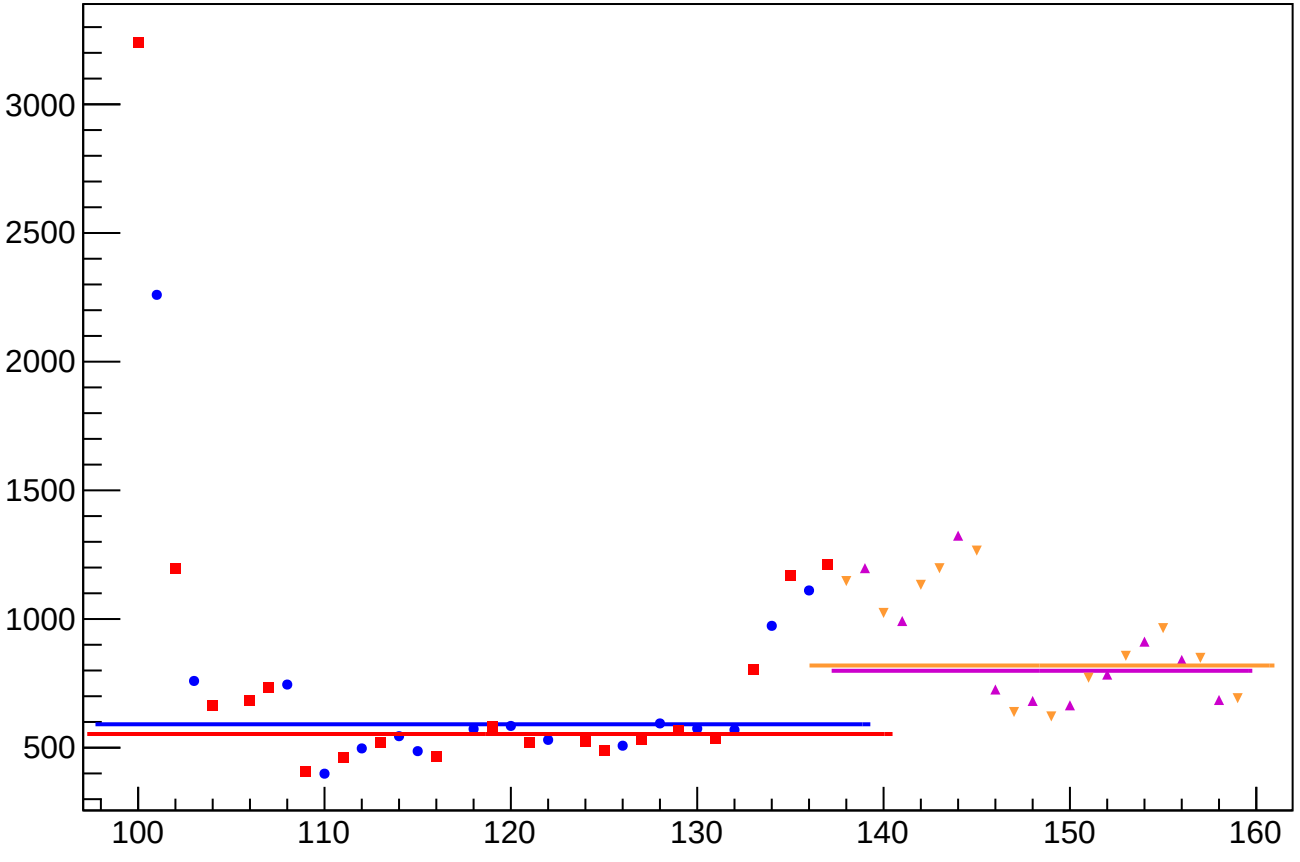
Left In: -230.561+/-277.715 χ^2/NDF:5.4/9

\+ sign -444.560+/-177.895 χ^2/NDF: 61.7/27

All: -460.911+/-123.075 χ^2/NDF: 77.5/56

\- sign -475.924+/-170.452 χ^2/NDF: 15.8/28

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

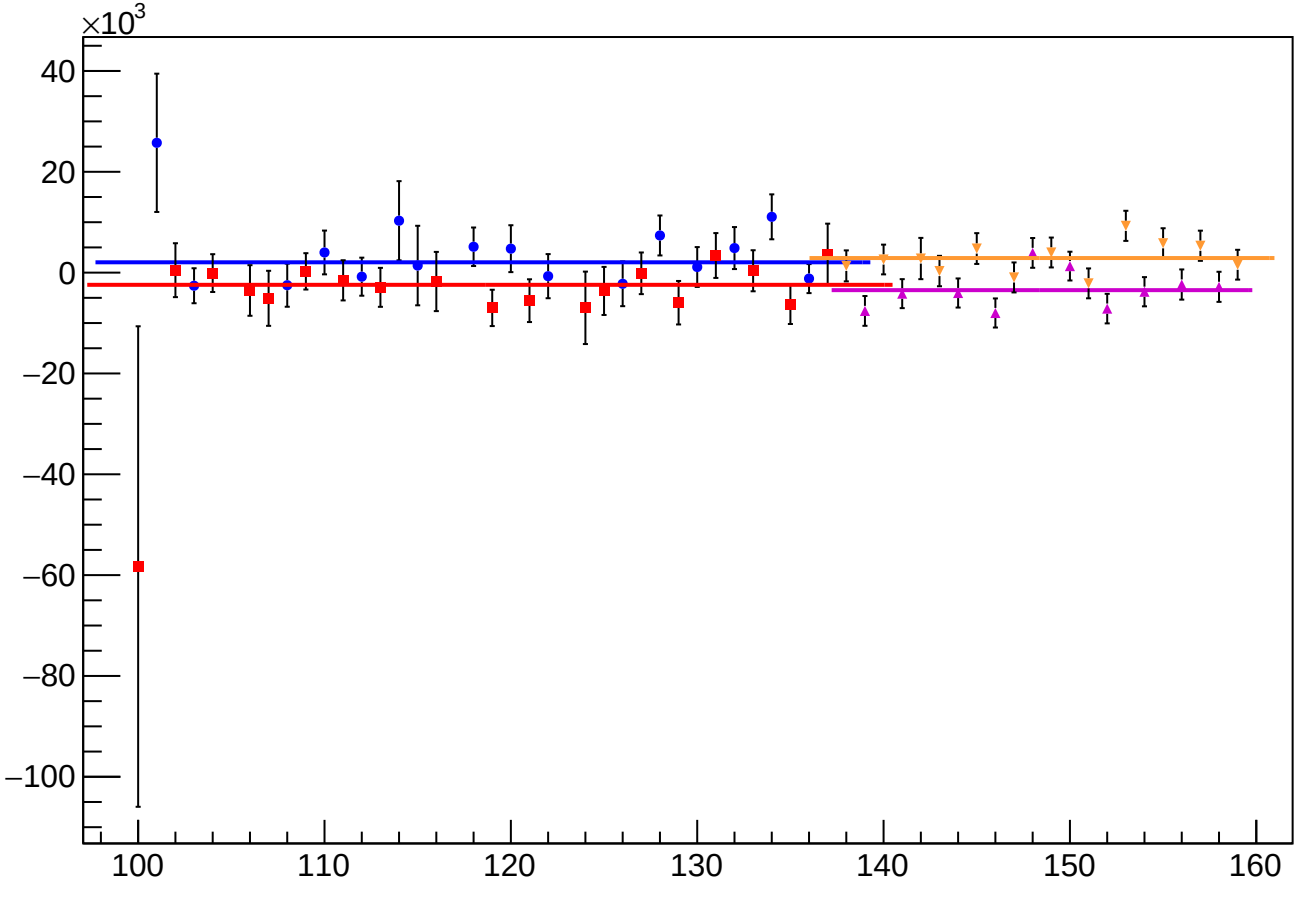
Left In: 798.856+/-0.196 χ^2/NDF:749246.6/9

+ sign 686.816+/-0.126 χ^2/NDF: 3382248.8/27

All: 665.411+/-0.087 χ^2/NDF: 6263806.3/56

- sign 645.761+/-0.121 χ^2/NDF: 2826022.7/28

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

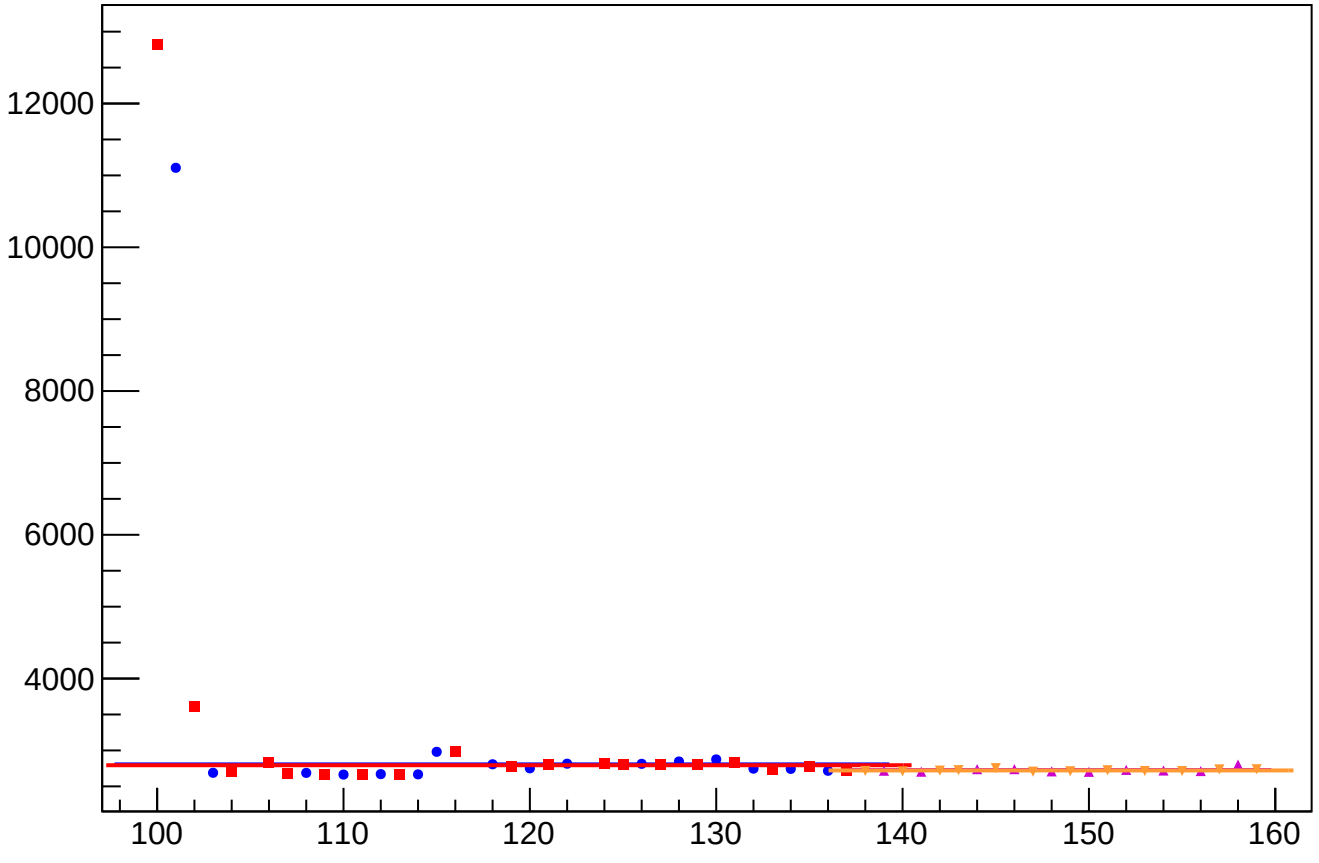
Left In: -3474.617+/-923.466 χ^2/NDF:15.3/9

+ sign 2552.216+/-680.116 χ^2/NDF: 30.6/27

All: -188.028+/-484.337 χ^2/NDF: 90.2/56

- sign -3007.684+/-689.901 χ^2/NDF: 26.7/28

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

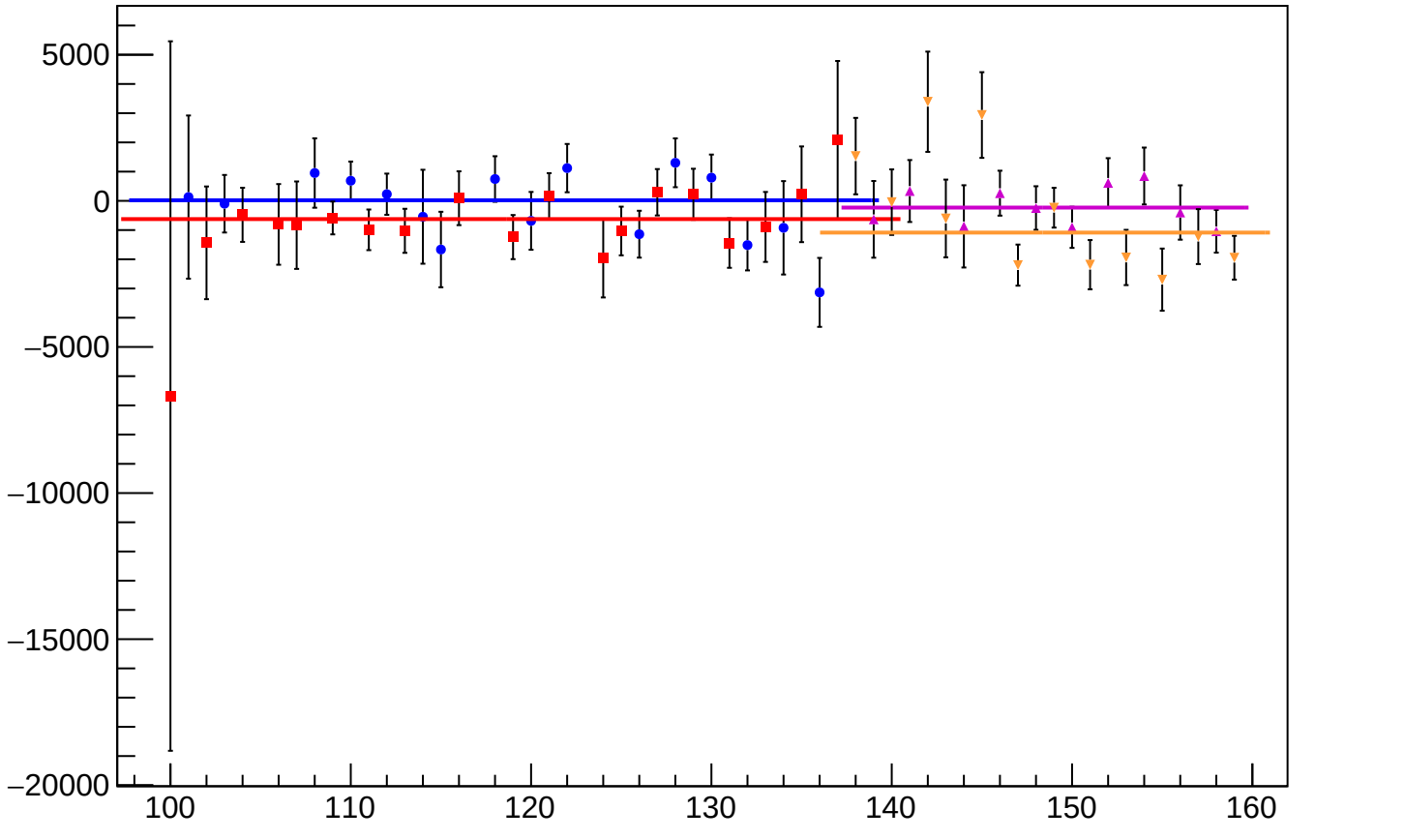
Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2727.633+/-0.653 χ^2/NDF:1820.0/9

+ sign 2755.542+/-0.481 χ^2/NDF: 754043.8/27

All: 2756.275+/-0.342 χ^2/NDF: 907198.9/56

- sign 2757.028+/-0.488 χ^2/NDF: 153150.5/28



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

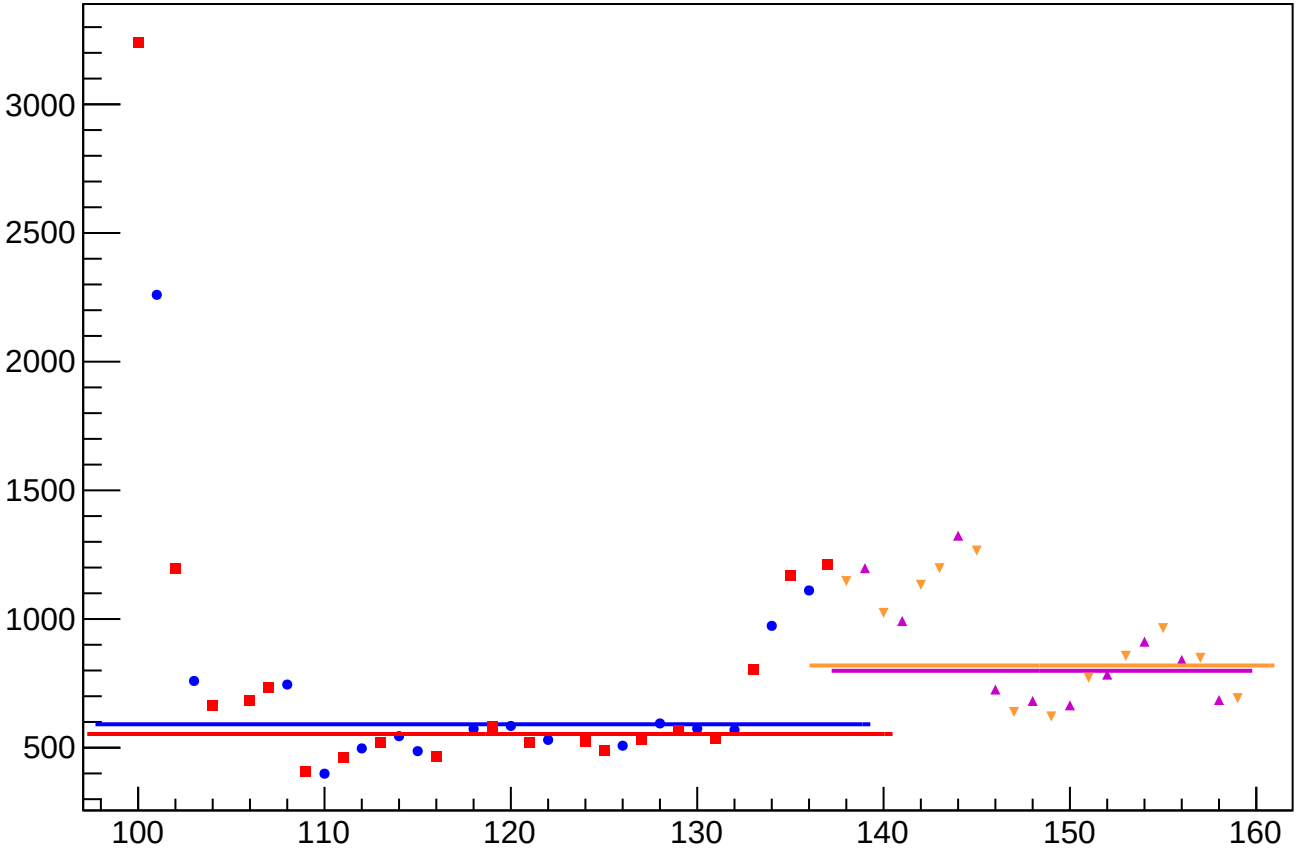
Left In: -230.561+/-277.715 χ^2/NDF:5.4/9

\+ sign -444.560+/-177.895 χ^2/NDF: 61.7/27

All: -460.911+/-123.075 χ^2/NDF: 77.5/56

\- sign -475.924+/-170.452 χ^2/NDF: 15.8/28

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

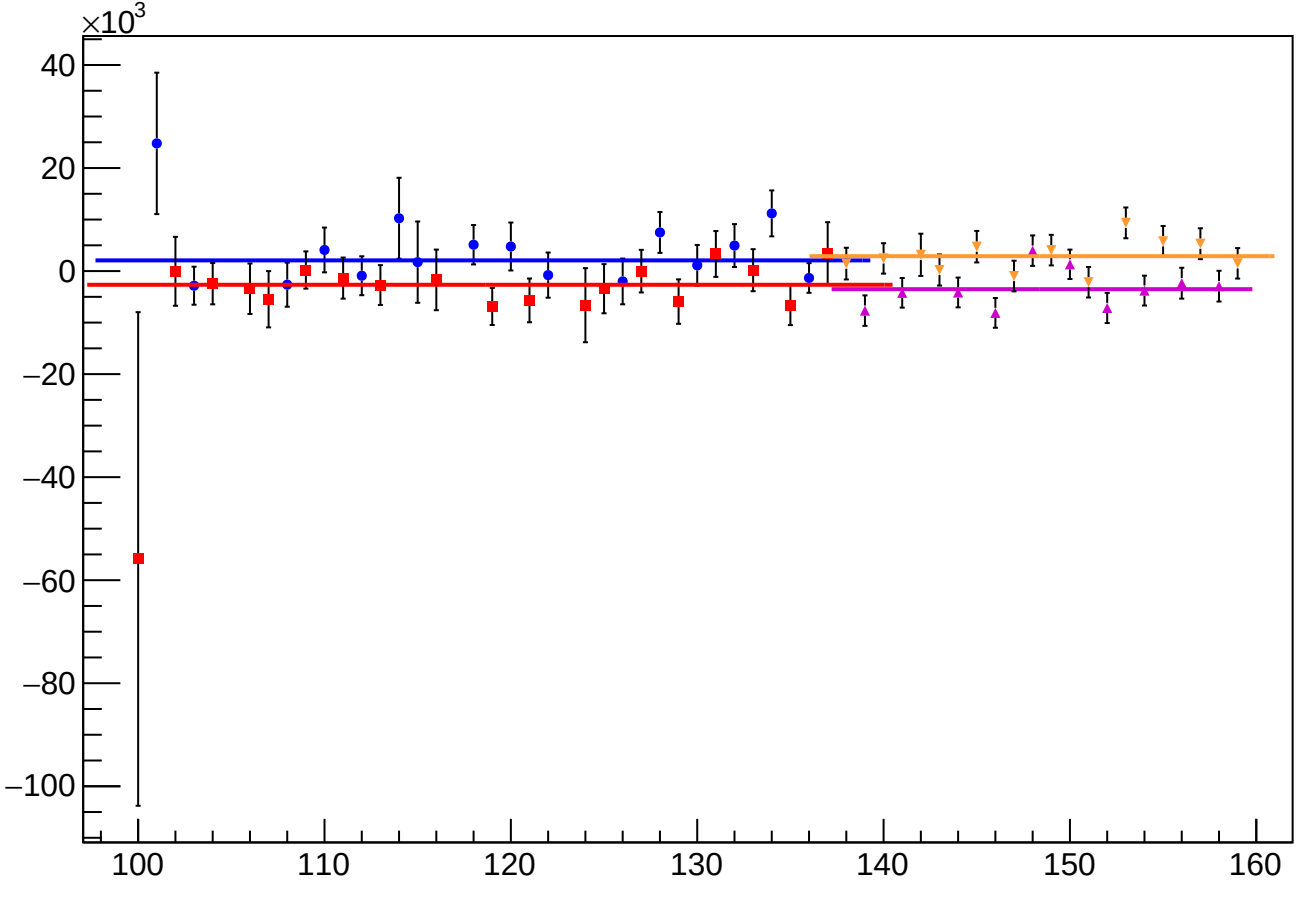
Left In: 798.856+/-0.196 χ^2/NDF:749246.6/9

+ sign 686.816+/-0.126 χ^2/NDF: 3382248.8/27

All: 665.411+/-0.087 χ^2/NDF: 6263806.3/56

- sign 645.761+/-0.121 χ^2/NDF: 2826022.7/28

dit_asym_atr1_mean vs Slug



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

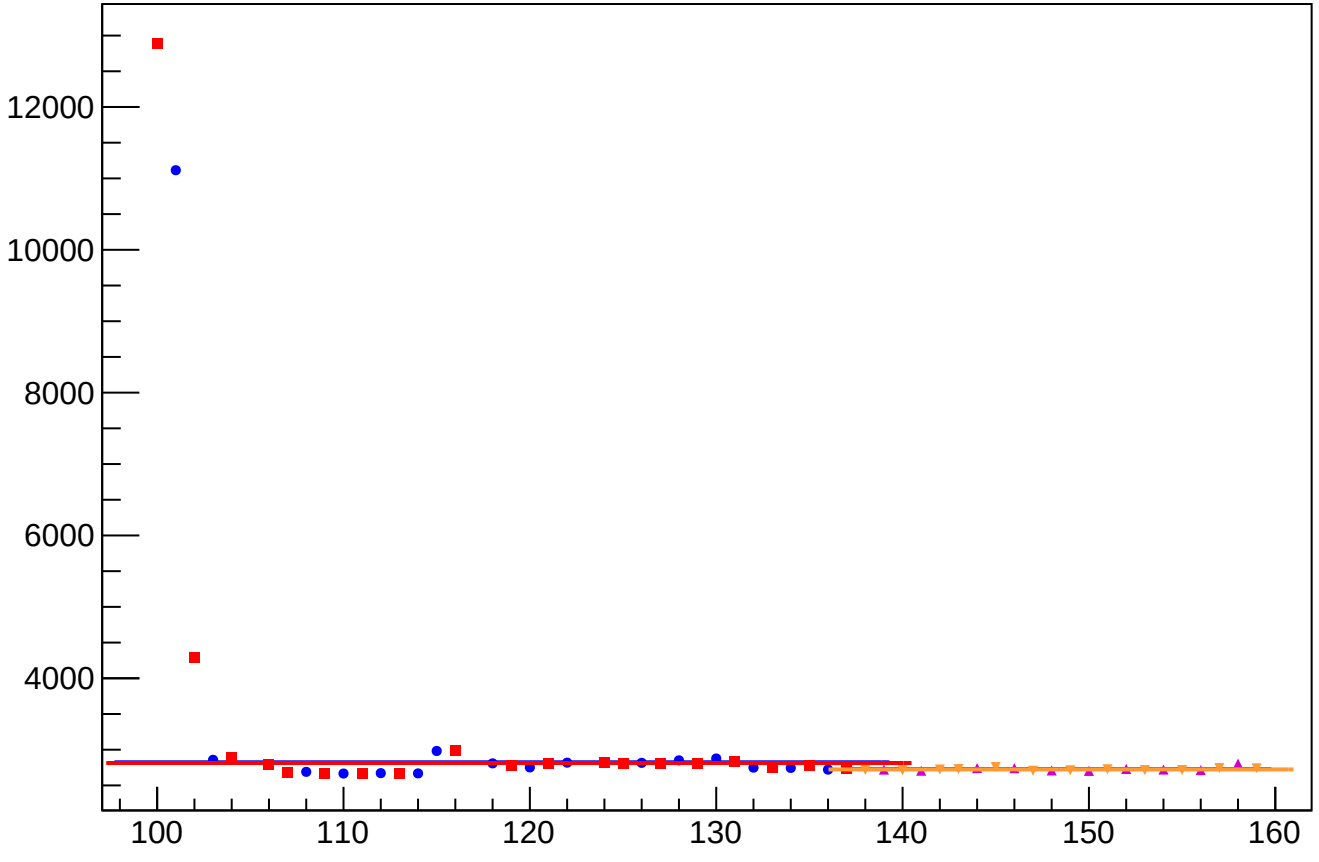
Left In: -3515.300+/-924.069 χ^2/NDF:15.6/9

+ sign 2562.465+/-682.166 χ^2/NDF: 30.9/27

All: -241.544+/-486.374 χ^2/NDF: 91.2/56

- sign -3140.760+/-693.651 χ^2/NDF: 25.9/28

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

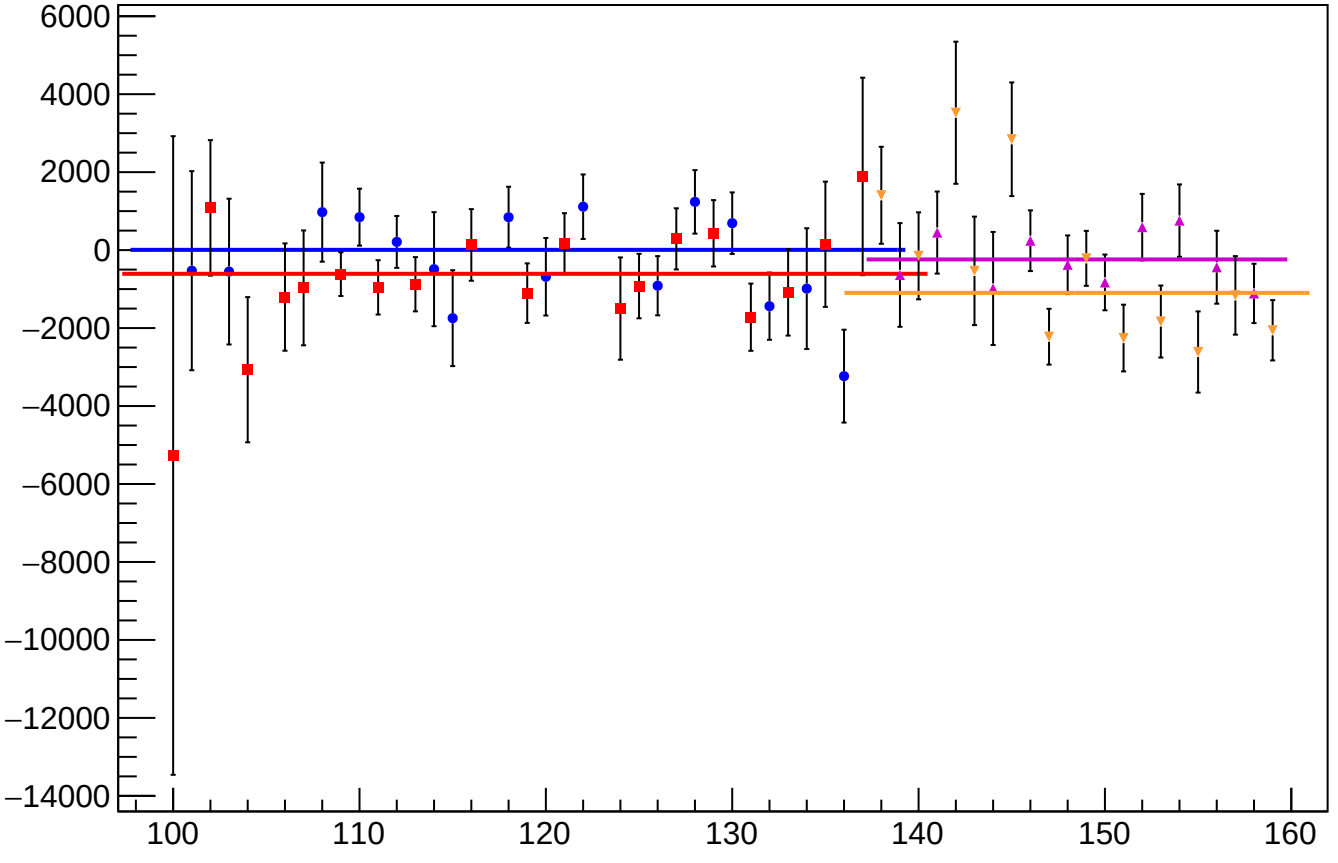
Left In: 2729.402+/-0.653 χ^2/NDF:1831.3/9

+ sign 2763.807+/-0.482 χ^2/NDF: 754705.8/27

All: 2765.010+/-0.344 χ^2/NDF: 964348.2/56

- sign 2766.253+/-0.490 χ^2/NDF: 209629.8/28

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

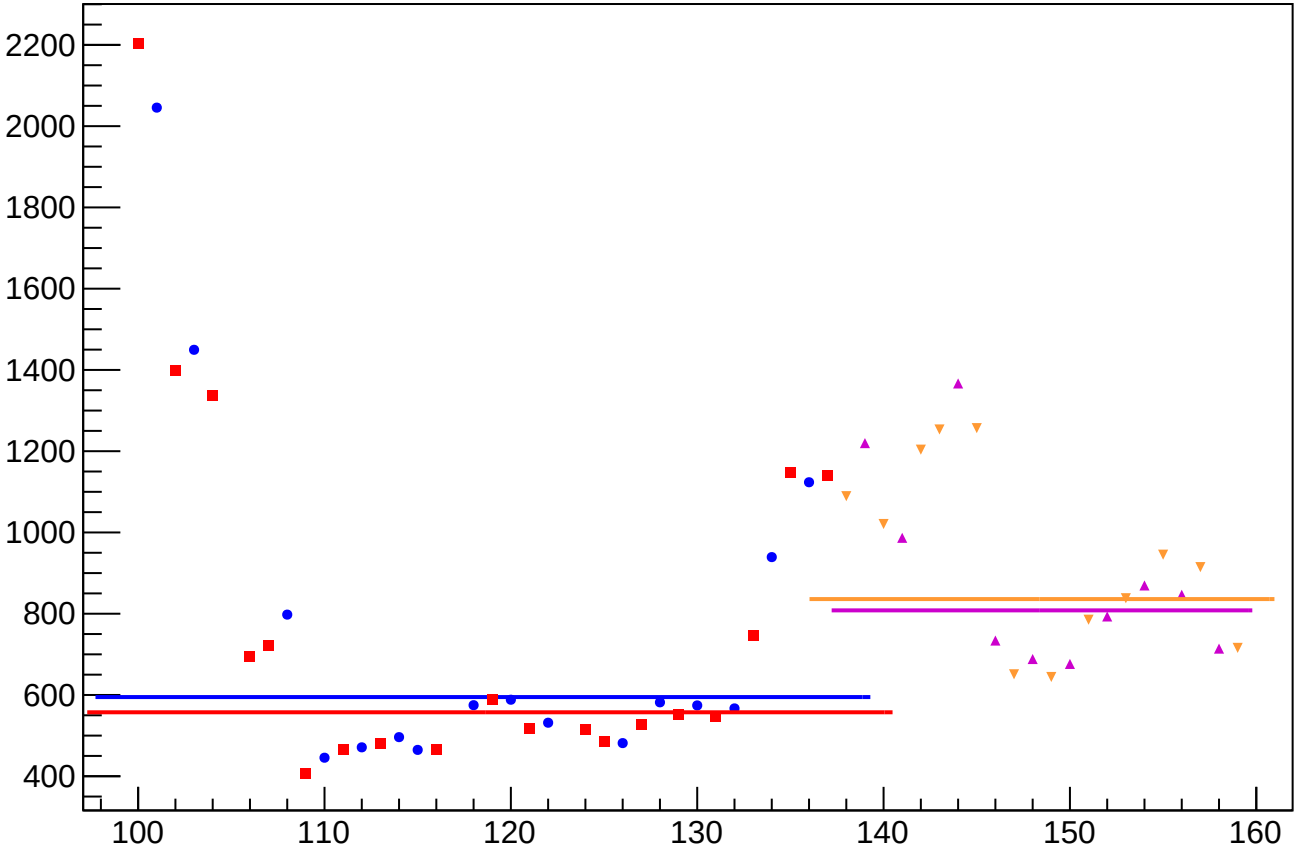
Left In: -239.240+/-280.348 χ^2/NDF:5.3/9

\+ sign -456.179+/-180.926 χ^2/NDF: 60.7/27

All: -463.213+/-124.524 χ^2/NDF: 79.3/56

\- sign -469.544+/-171.646 χ^2/NDF: 18.6/28

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

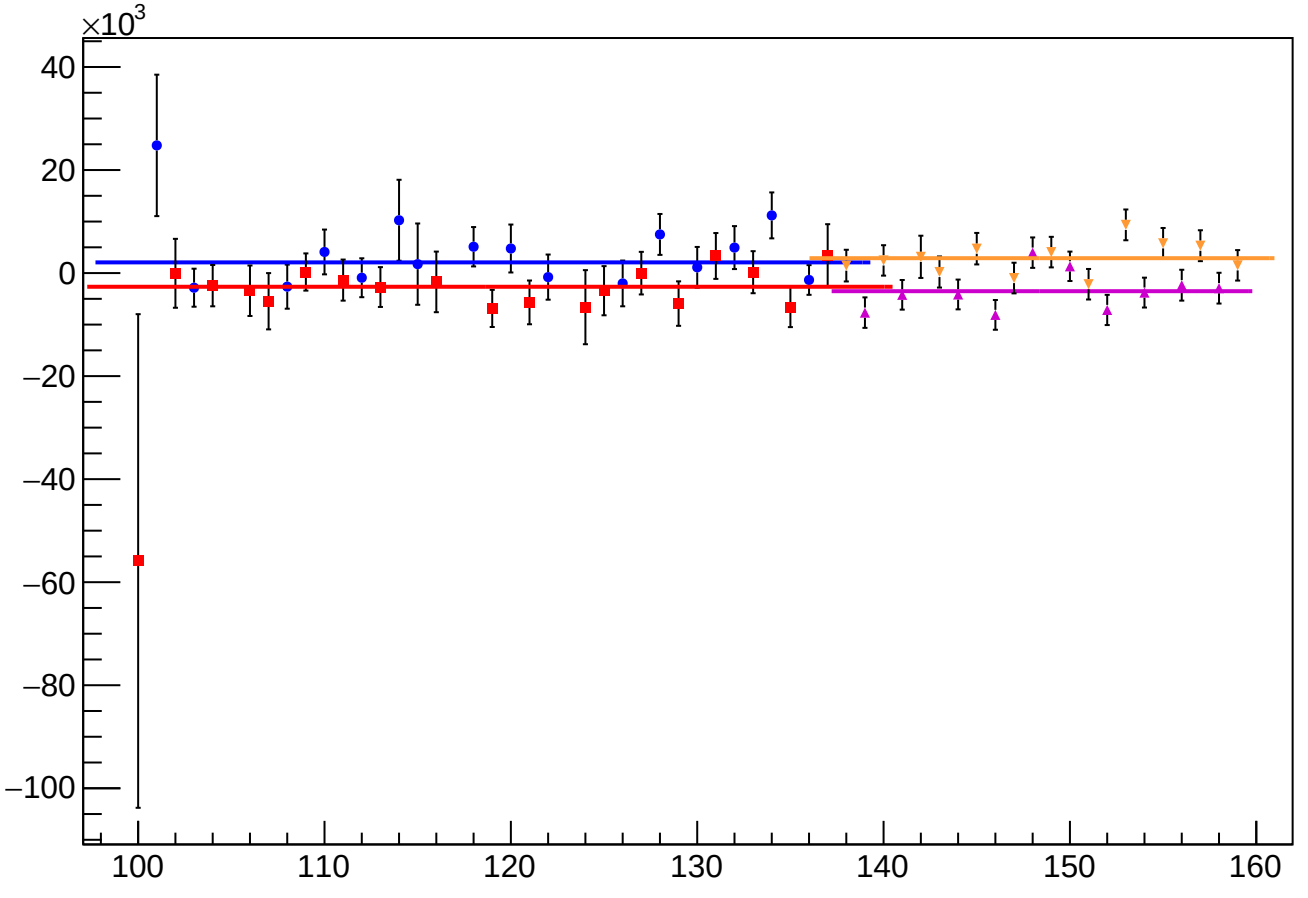
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 808.232+/-0.198 χ^2/NDF:726082.2/9

+ sign 696.017+/-0.128 χ^2/NDF: 3654838.6/27

All: 672.549+/-0.088 χ^2/NDF: 7077059.3/56

- sign 651.426+/-0.121 χ^2/NDF: 3358282.6/28



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

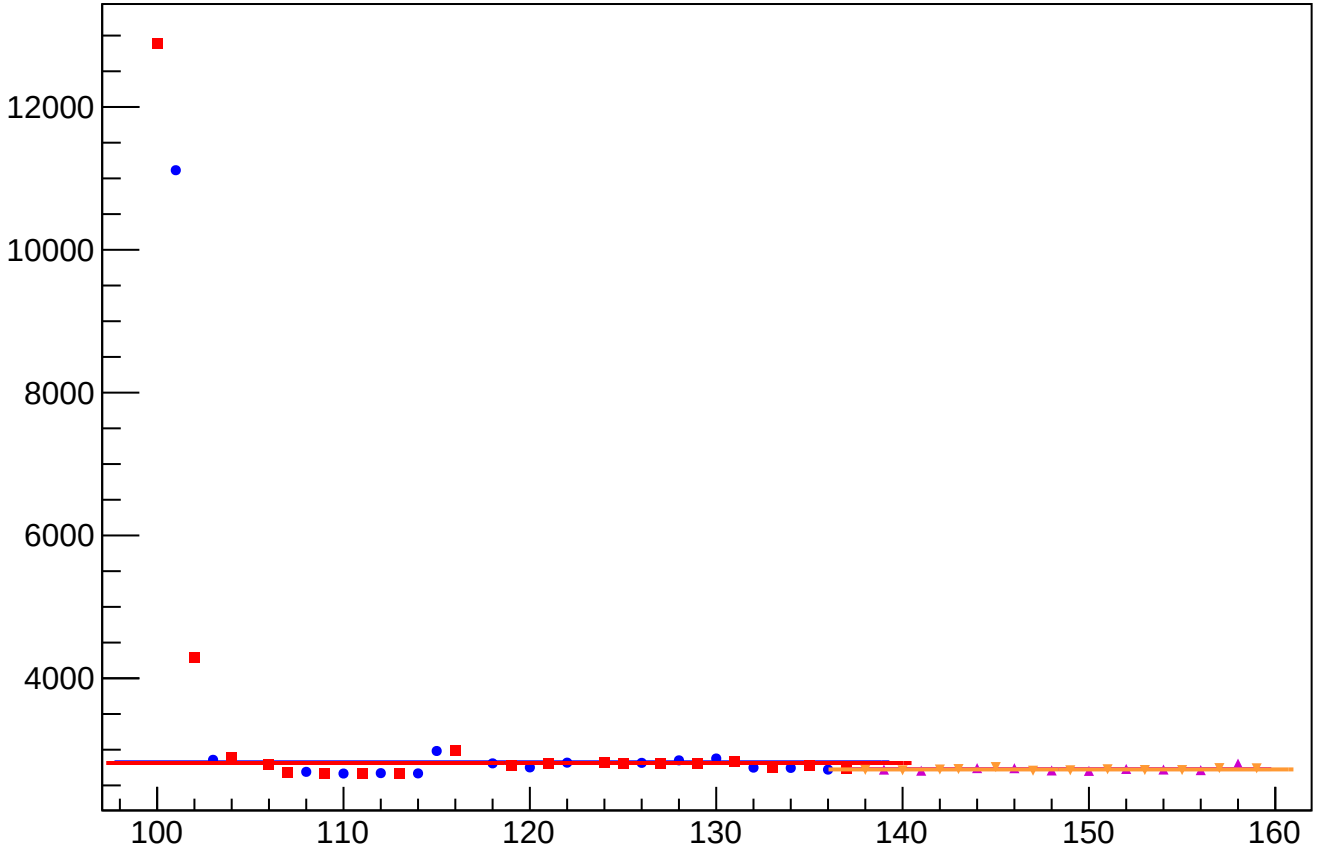
Left In: -3515.300+/-924.069 χ^2/NDF:15.6/9

+ sign 2562.466+/-682.166 χ^2/NDF: 30.9/27

All: -241.544+/-486.374 χ^2/NDF: 91.2/56

- sign -3140.759+/-693.651 χ^2/NDF: 25.9/28

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

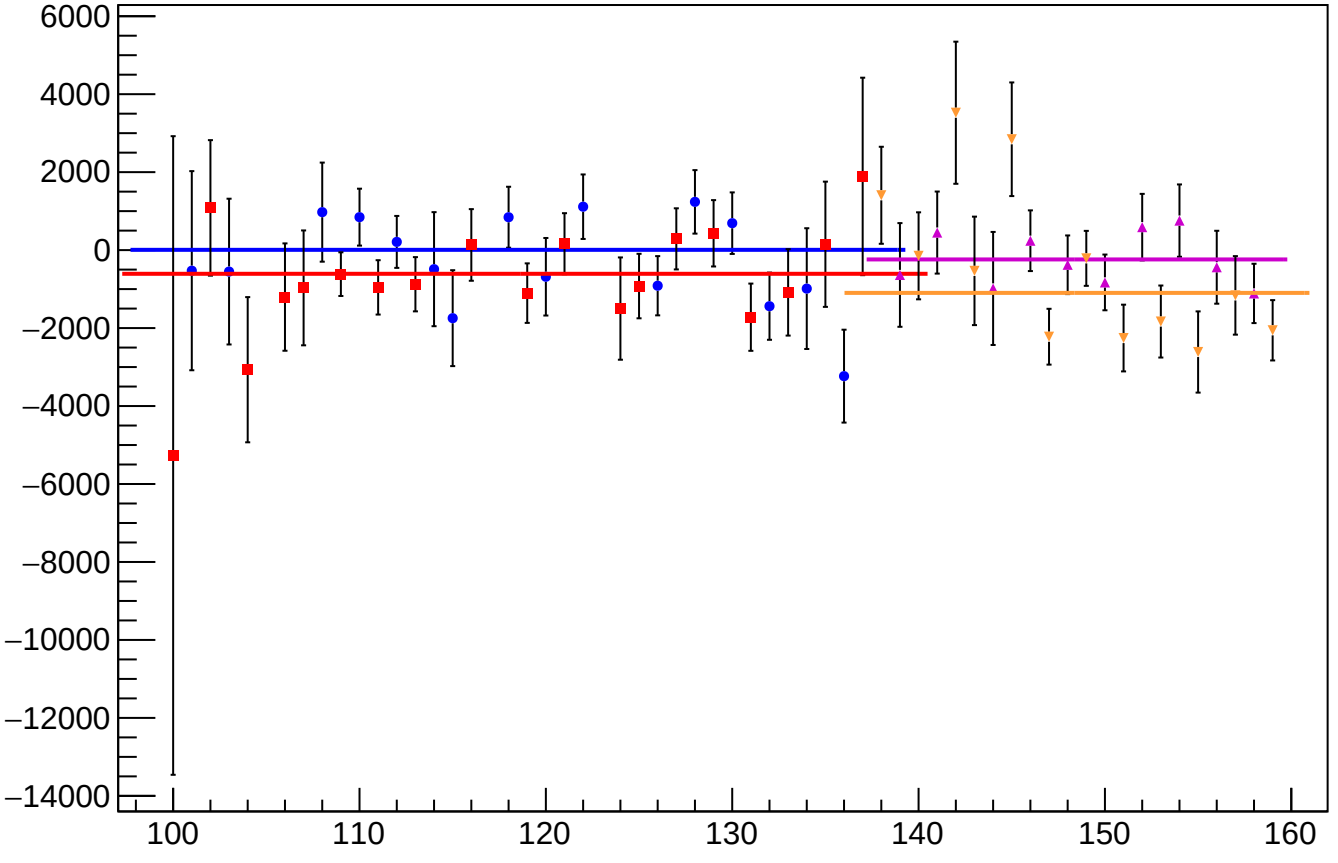
Left In: 2729.402+/-0.653 χ^2/NDF:1831.3/9

+ sign 2763.807+/-0.482 χ^2/NDF: 754705.8/27

All: 2765.010+/-0.344 χ^2/NDF: 964347.9/56

- sign 2766.253+/-0.490 χ^2/NDF: 209629.5/28

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

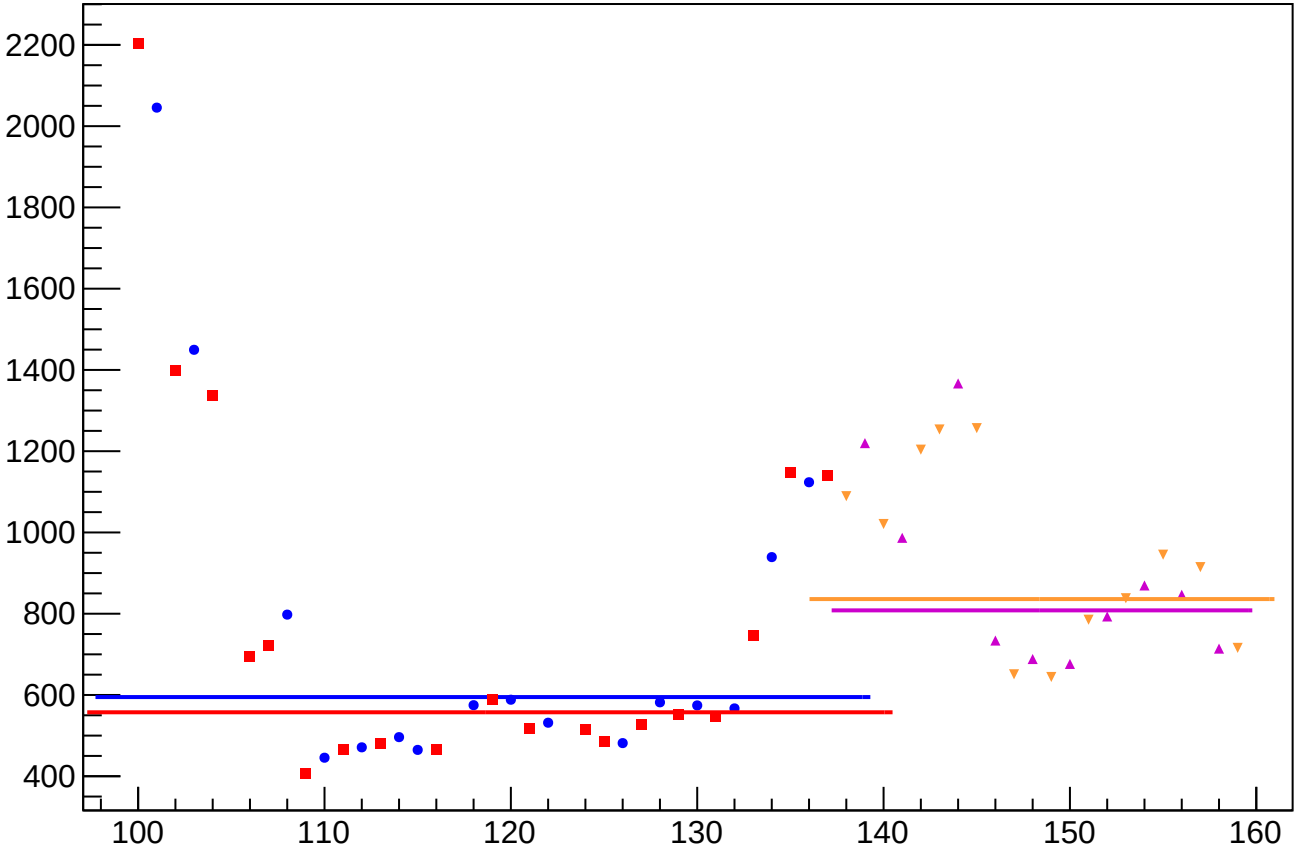
Left In: -239.241+/-280.348 χ^2/NDF:5.3/9

\+ sign -456.179+/-180.926 χ^2/NDF: 60.7/27

All: -463.213+/-124.524 χ^2/NDF: 79.3/56

\- sign -469.545+/-171.646 χ^2/NDF: 18.6/28

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

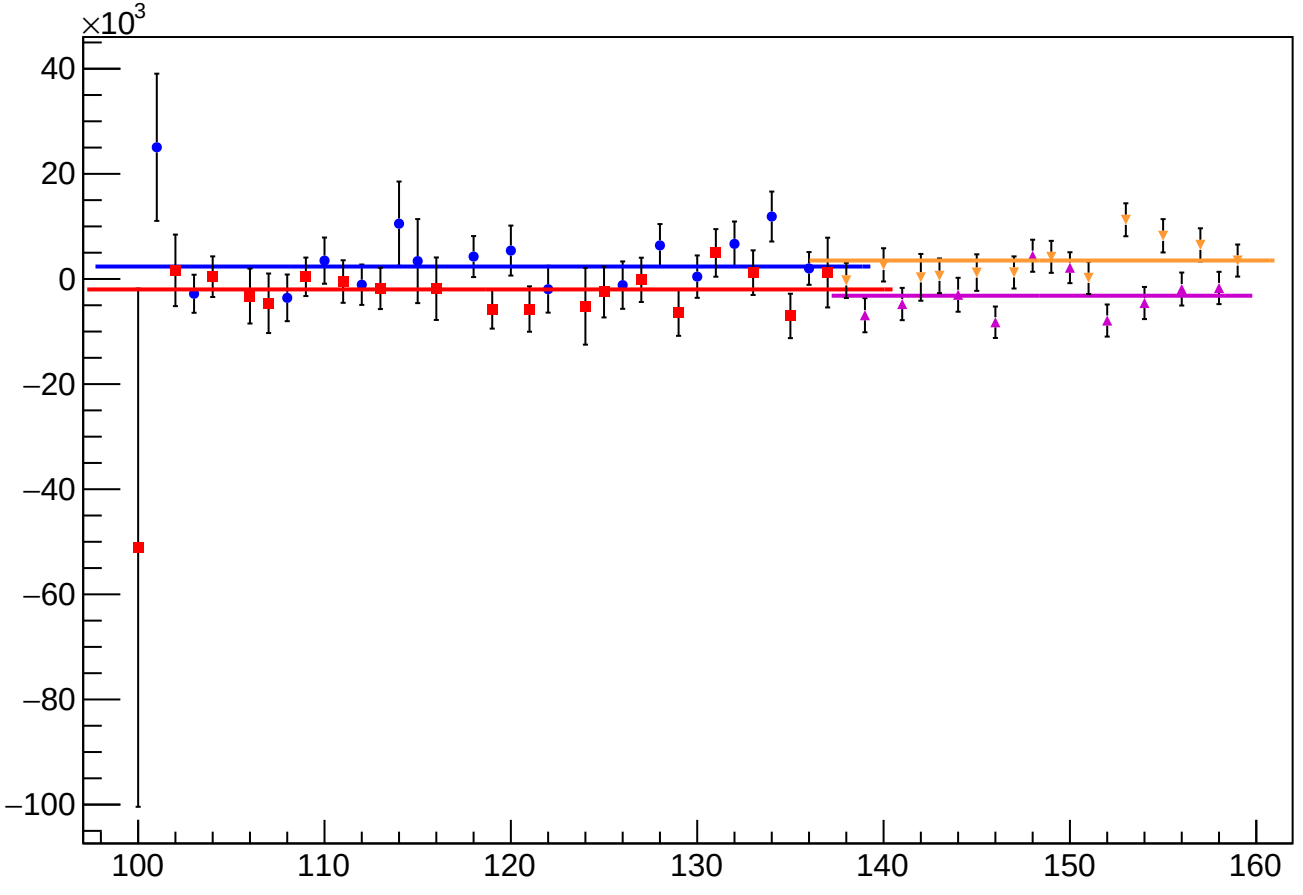
Left In: 808.232+/-0.198 χ^2/NDF:726083.6/9

+ sign 696.017+/-0.128 χ^2/NDF: 3654831.1/27

All: 672.549+/-0.088 χ^2/NDF: 7077049.1/56

- sign 651.426+/-0.121 χ^2/NDF: 3358279.5/28

asym_atr1_mean vs Slug



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

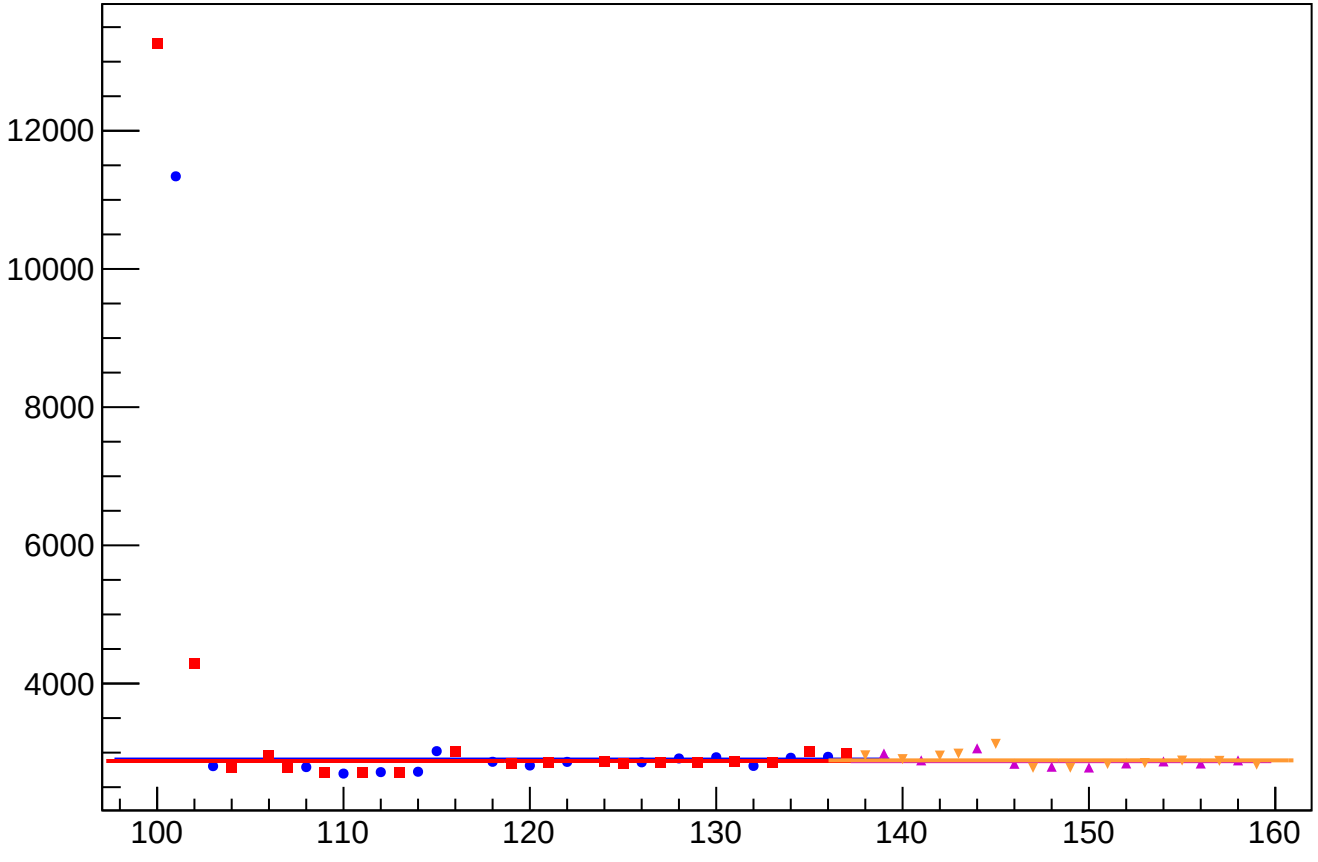
Left In: -3185.487+/-974.324 χ^2/NDF:16.9/9

+ sign 3037.745+/-714.172 χ^2/NDF: 31.5/27

All: 227.341+/-507.748 χ^2/NDF: 90.7/56

- sign -2645.168+/-722.020 χ^2/NDF: 27.9/28

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

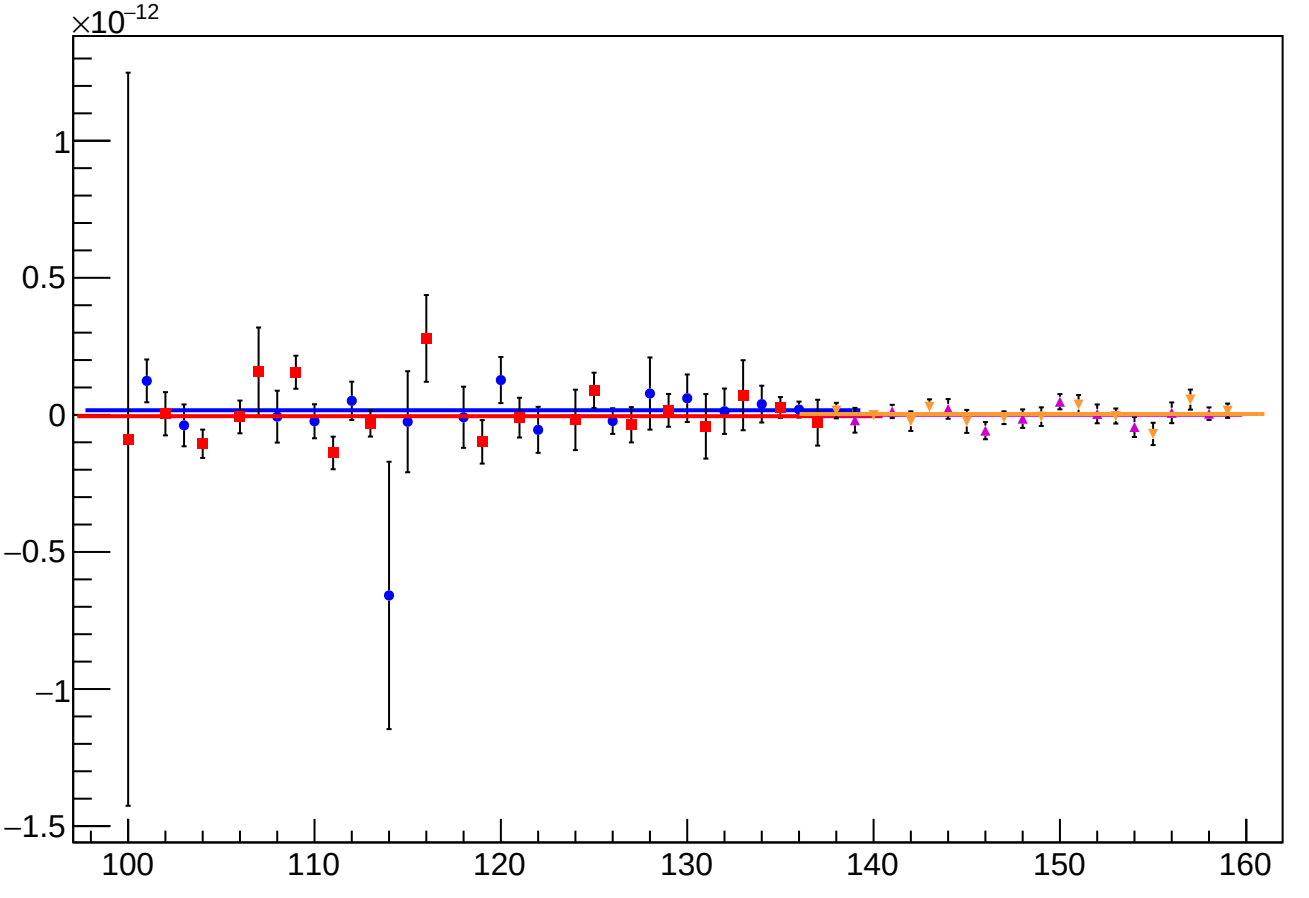
Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2876.602+/-0.689 χ^2/NDF:13142.2/9

+ sign 2892.914+/-0.505 χ^2/NDF: 761264.1/27

All: 2885.372+/-0.359 χ^2/NDF: 968145.0/56

- sign 2877.664+/-0.511 χ^2/NDF: 206430.0/28



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

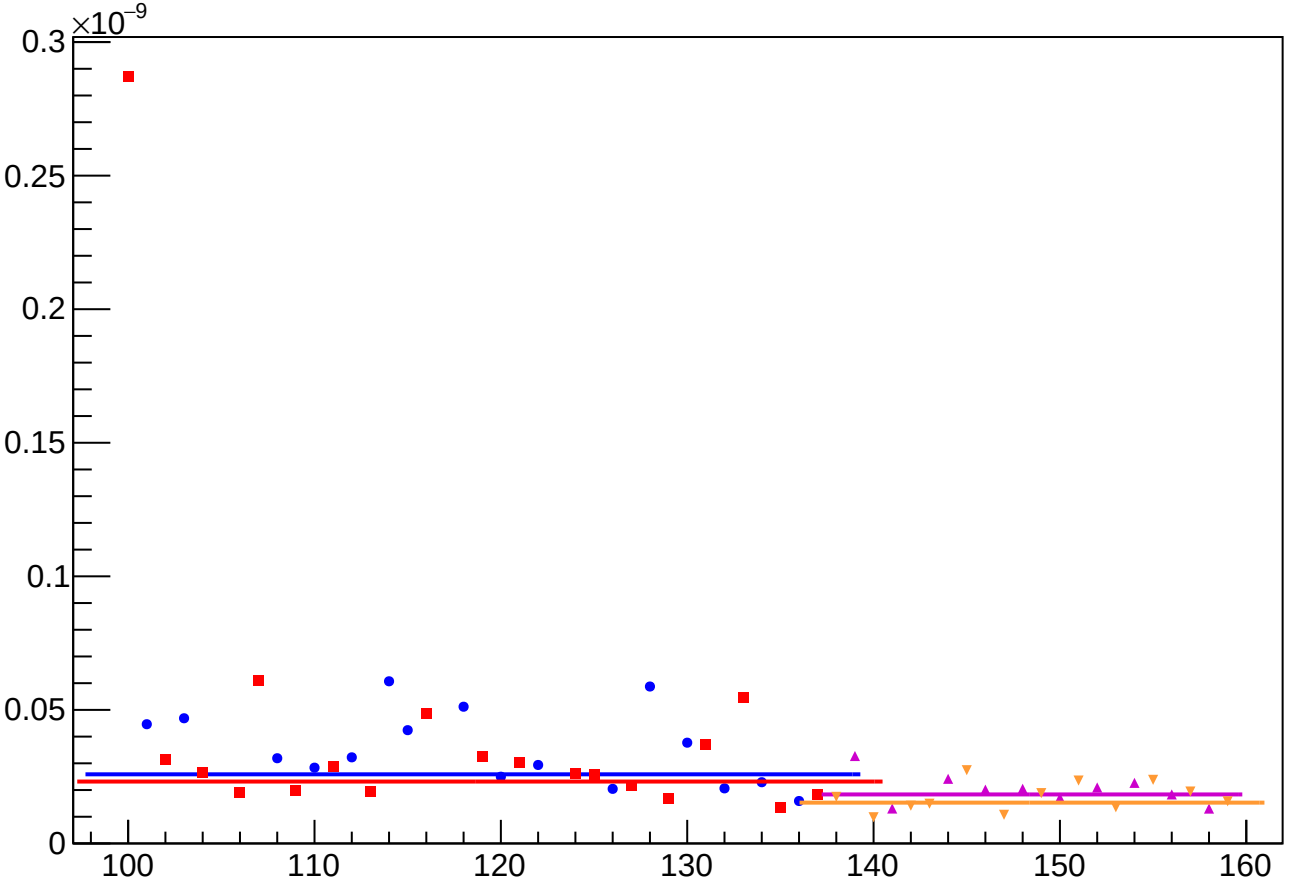
Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

\+ sign 0.000+/-0.000 χ^2/NDF: 18.4/27

All: 0.000+/-0.000 χ^2/NDF: 53.5/56

\- sign -0.000+/-0.000 χ^2/NDF: 34.7/28

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

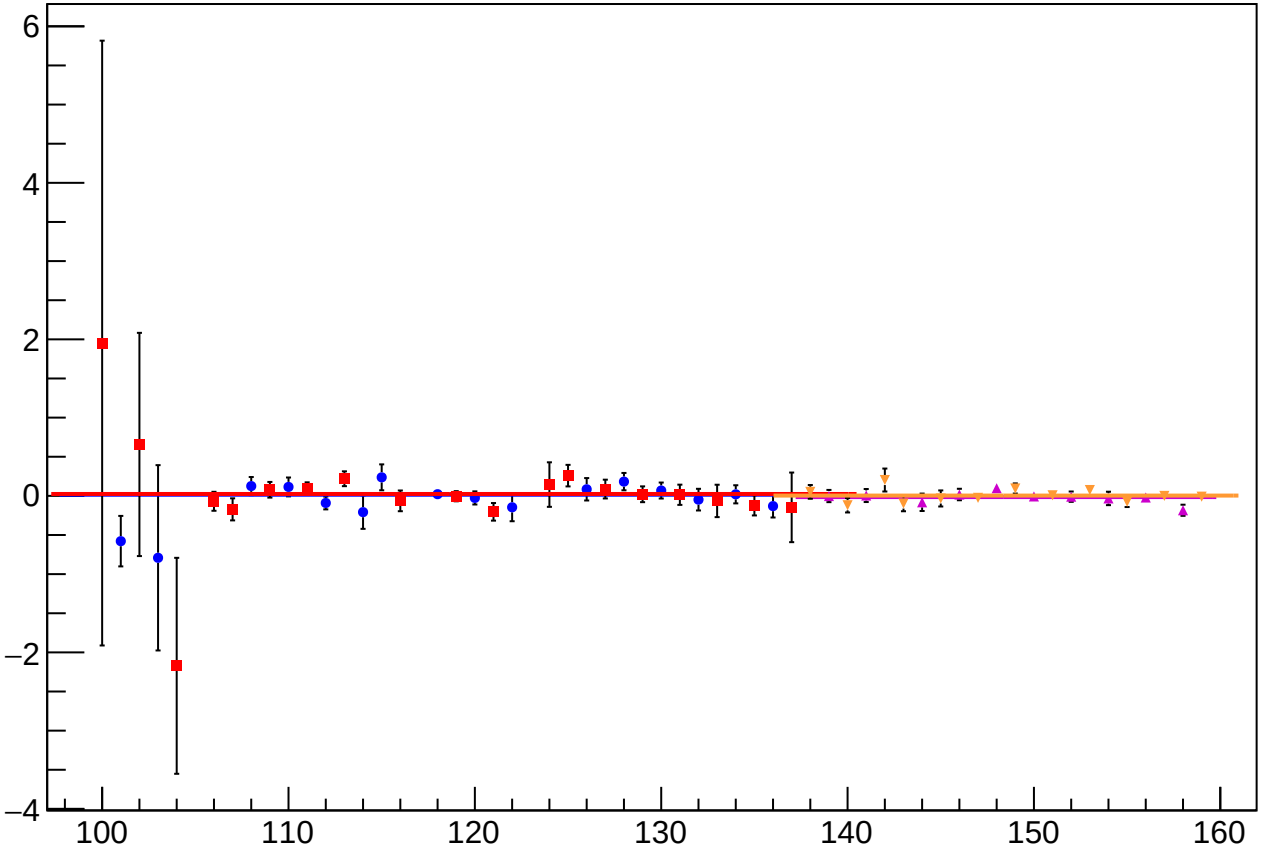
Left In: 0.000+/-0.000 χ^2/NDF:517355.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 2191016.1/27

All: 0.000+/-0.000 χ^2/NDF: 3622580.5/56

- sign 0.000+/-0.000 χ^2/NDF: 1342077.4/28

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

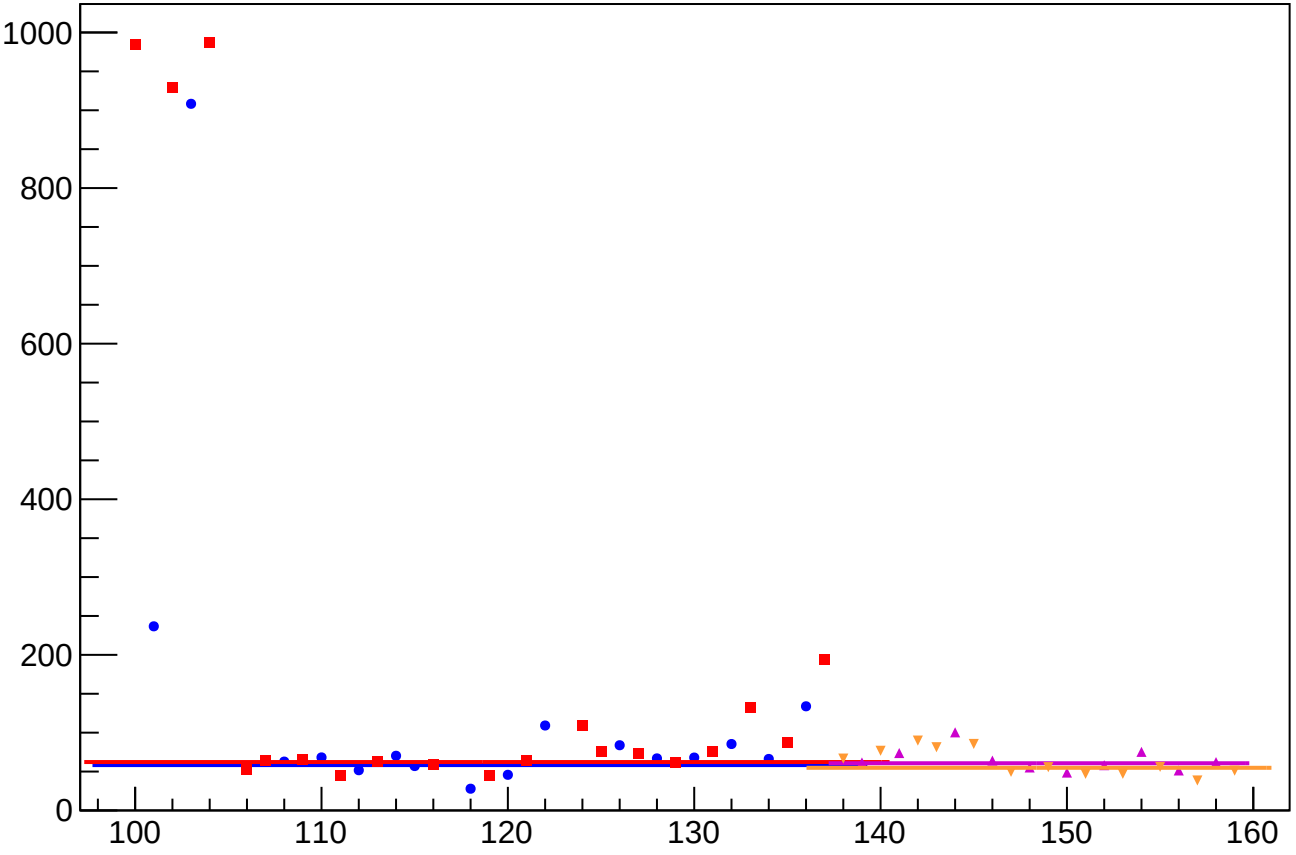
Left In: -0.015+/-0.023 χ^2/NDF:9.5/9

\+ sign 0.008+/-0.016 χ^2/NDF: 25.4/27

All: 0.004+/-0.012 χ^2/NDF: 57.0/56

\- sign 0.000+/-0.018 χ^2/NDF: 31.5/28

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

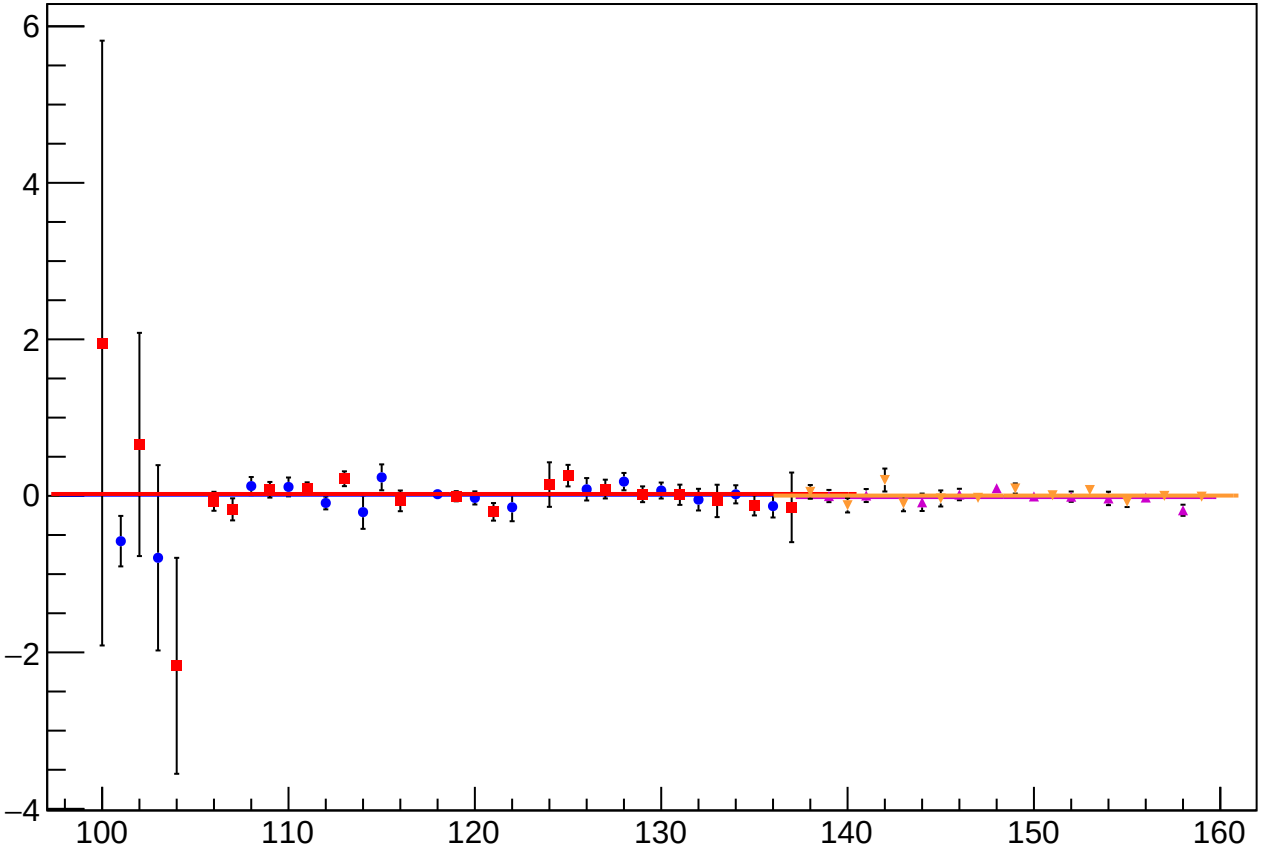
Left In: 60.679+/-0.016 χ^2/NDF:522413.2/9

+ sign 56.045+/-0.012 χ^2/NDF: 4113208.2/27

All: 58.500+/-0.008 χ^2/NDF: 7361348.8/56

- sign 61.290+/-0.012 χ^2/NDF: 3153188.8/28

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

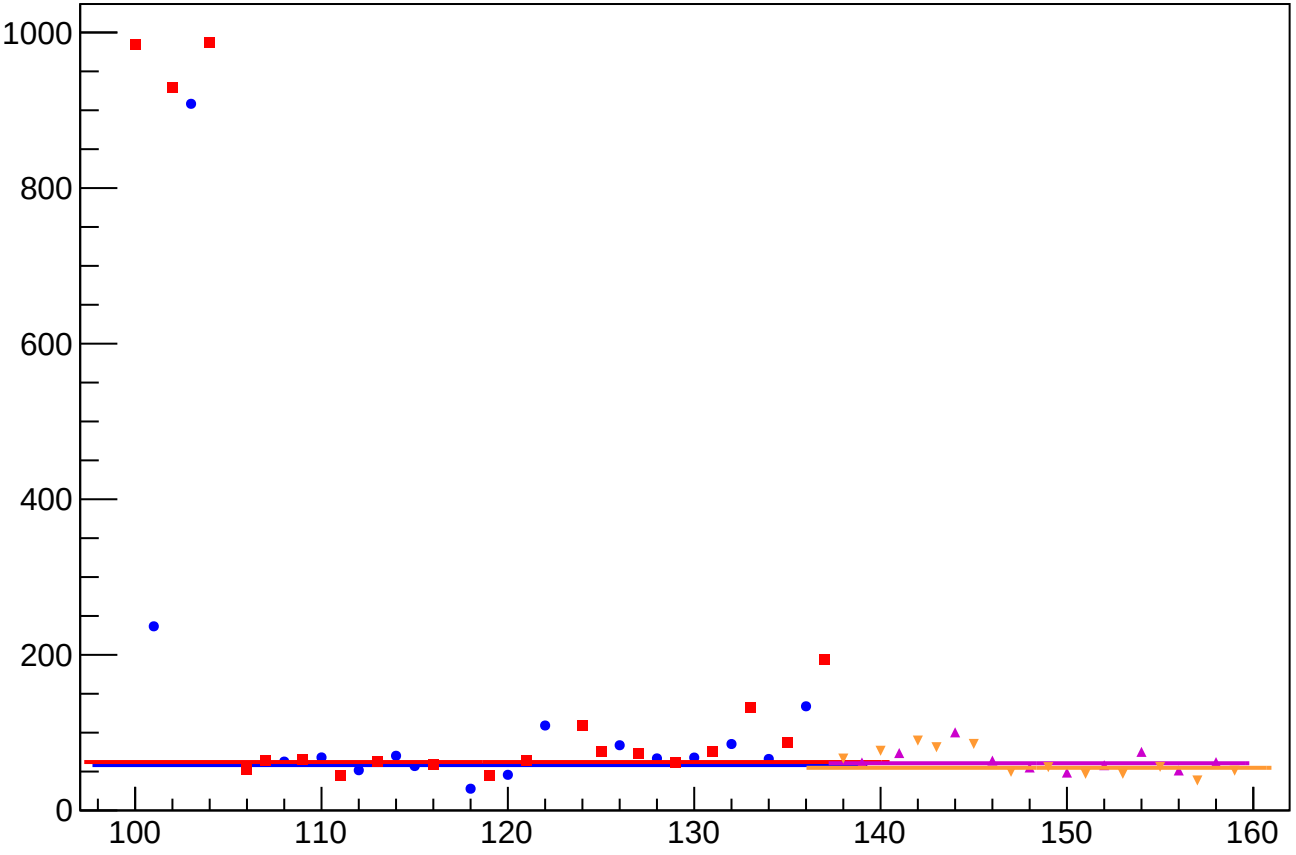
Left In: -0.015+/-0.023 χ^2/NDF:9.5/9

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/27

All: 0.004+/-0.012 χ^2/NDF: 57.0/56

- sign 0.000+/-0.018 χ^2/NDF: 31.5/28

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

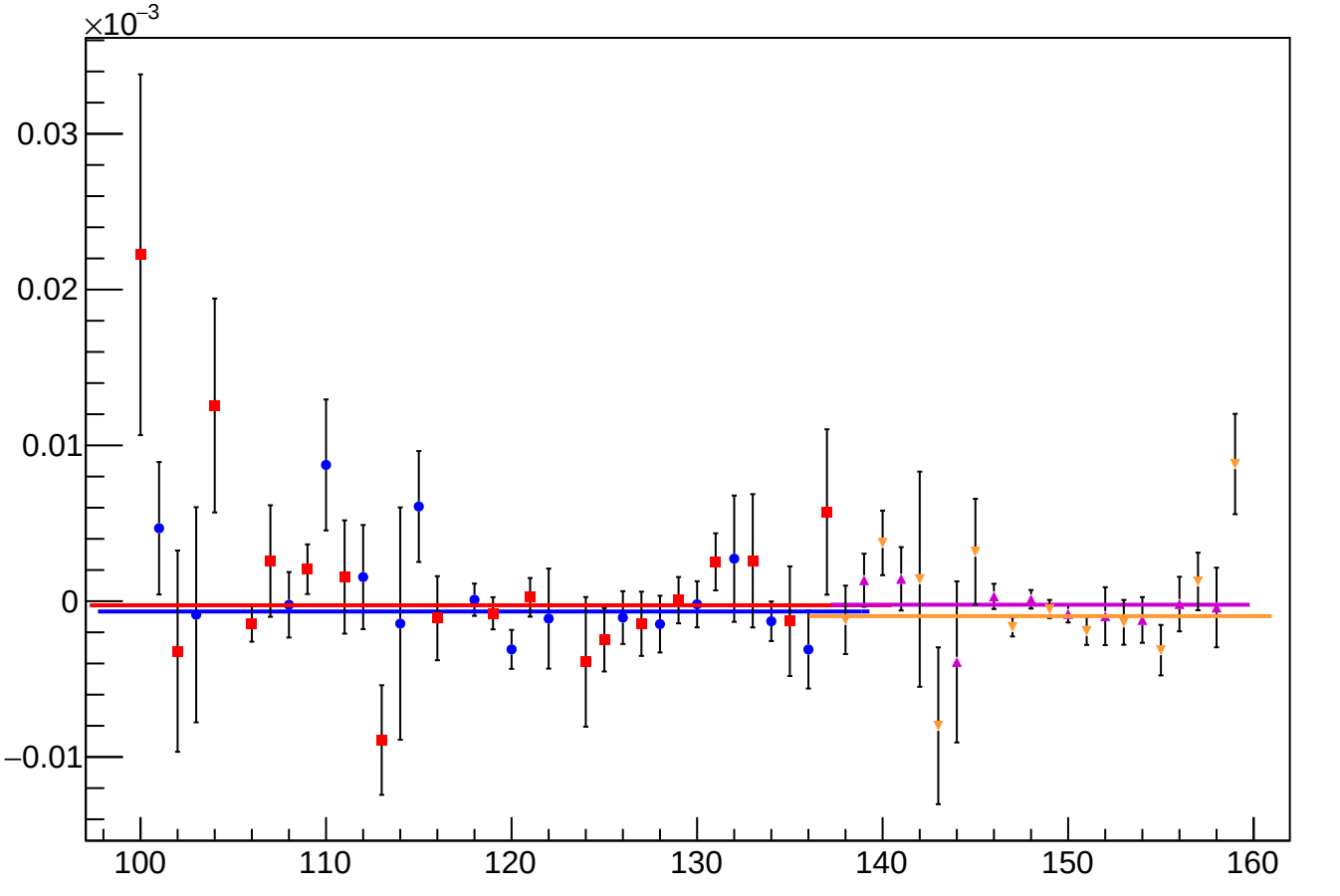
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.679+/-0.016 χ^2/NDF:522413.2/9

+ sign 56.045+/-0.012 χ^2/NDF: 4113208.2/27

All: 58.500+/-0.008 χ^2/NDF: 7361348.8/56

- sign 61.290+/-0.012 χ^2/NDF: 3153188.8/28



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

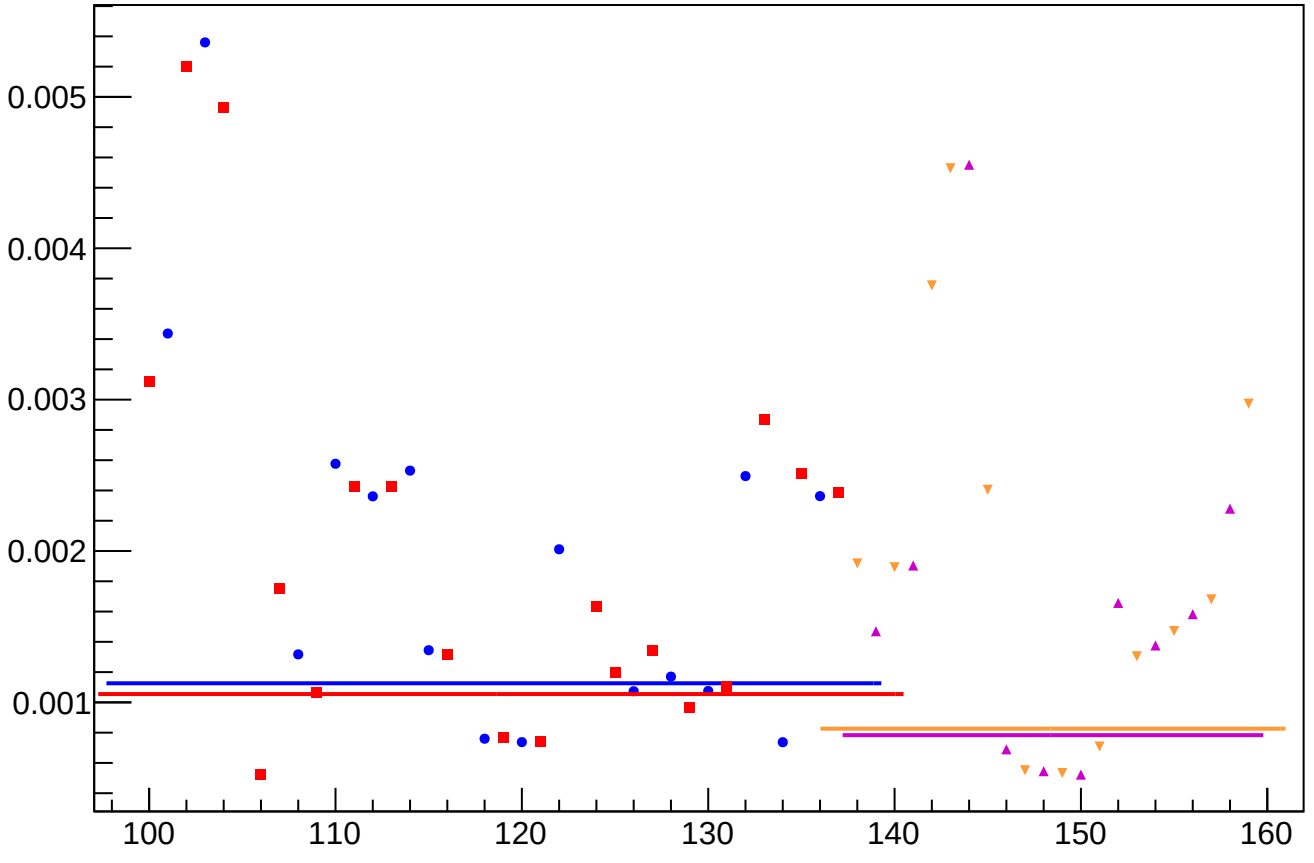
Left In: -0.000+/-0.000 χ^2/NDF:4.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/27

All: -0.000+/-0.000 χ^2/NDF: 73.5/56

- sign -0.000+/-0.000 χ^2/NDF: 29.1/28

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:5704494.5/11

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

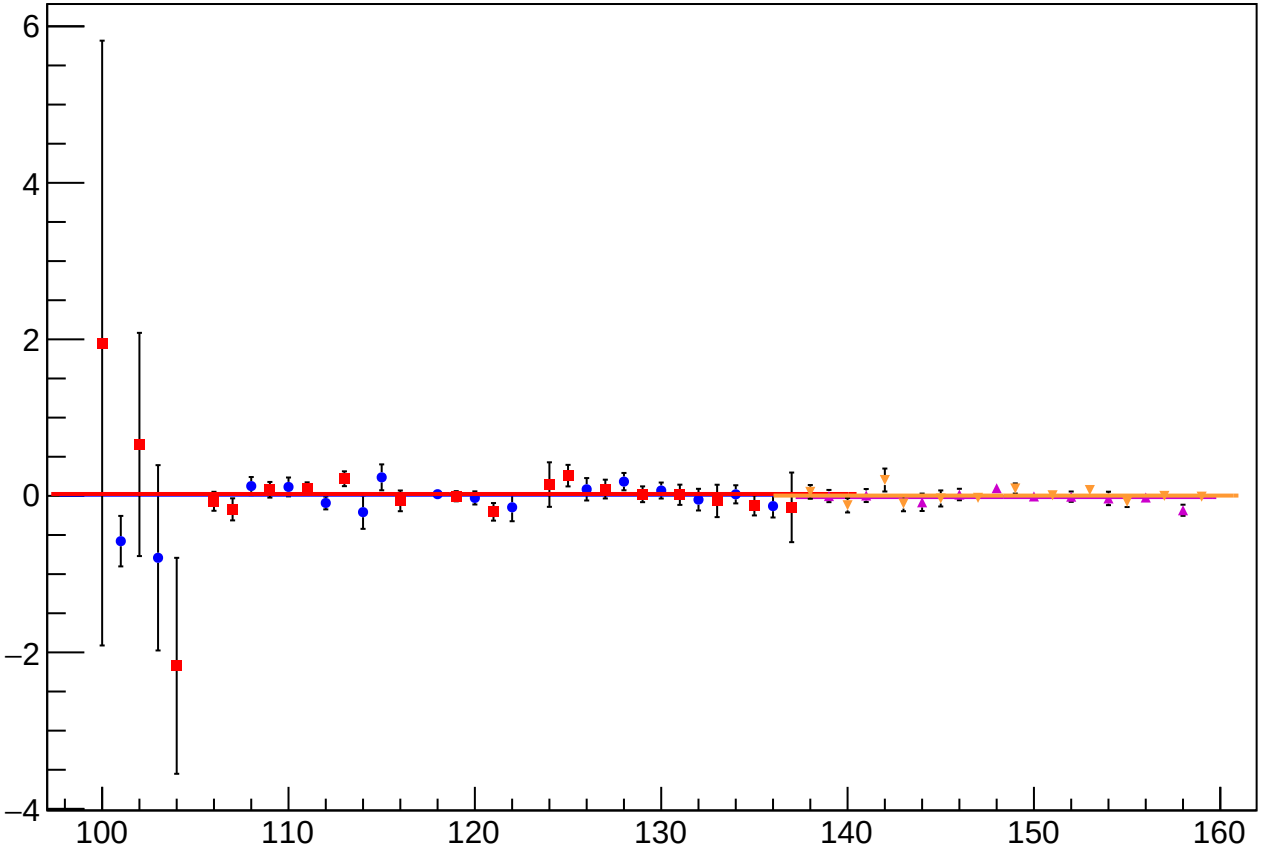
Left In: 0.001+/-0.000 χ^2/NDF:4657993.3/9

+ sign 0.001+/-0.000 χ^2/NDF: 9665119.4/27

All: 0.001+/-0.000 χ^2/NDF: 18664175.2/56

- sign 0.001+/-0.000 χ^2/NDF: 8964812.3/28

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

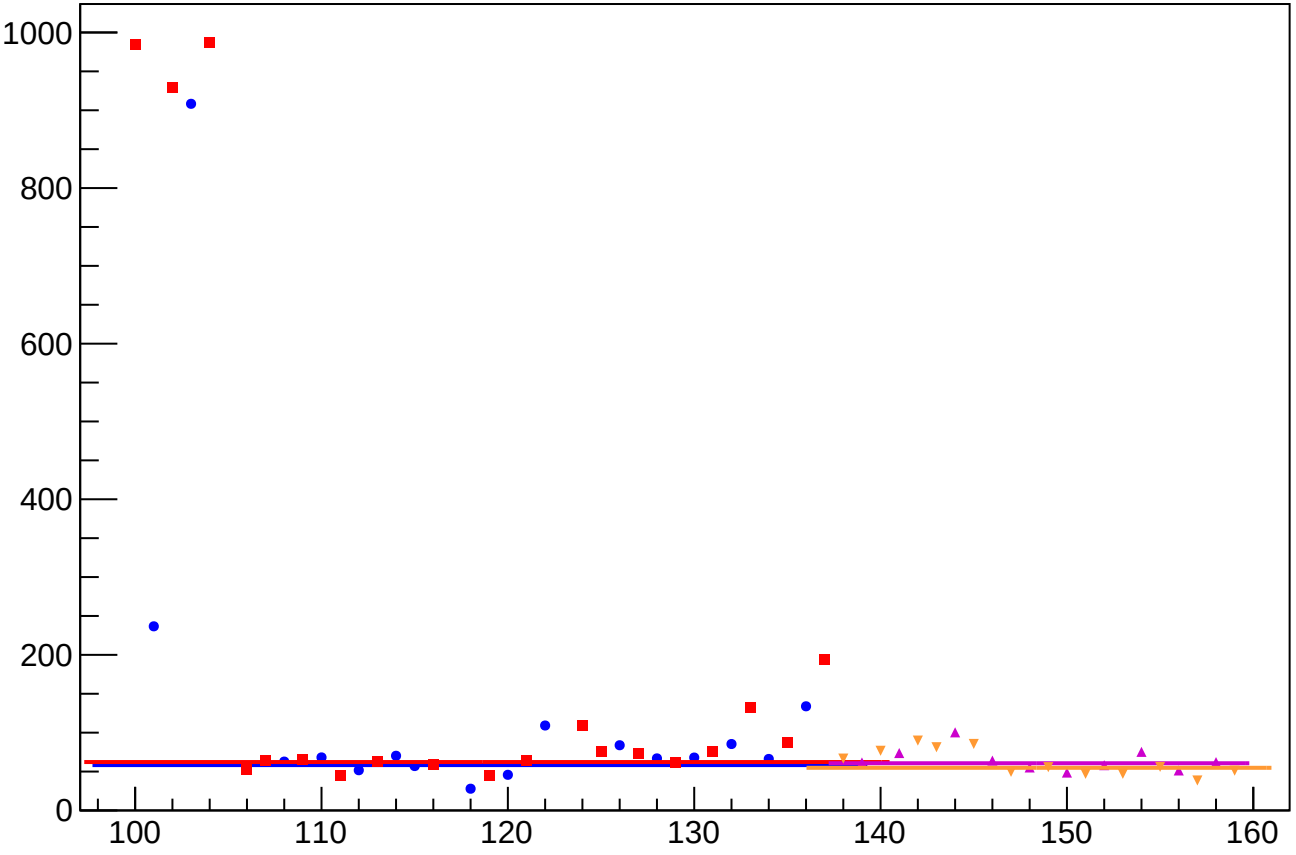
Left In: -0.015+/-0.023 χ^2/NDF:9.5/9

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/27

All: 0.004+/-0.012 χ^2/NDF: 57.0/56

- sign 0.000+/-0.018 χ^2/NDF: 31.5/28

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

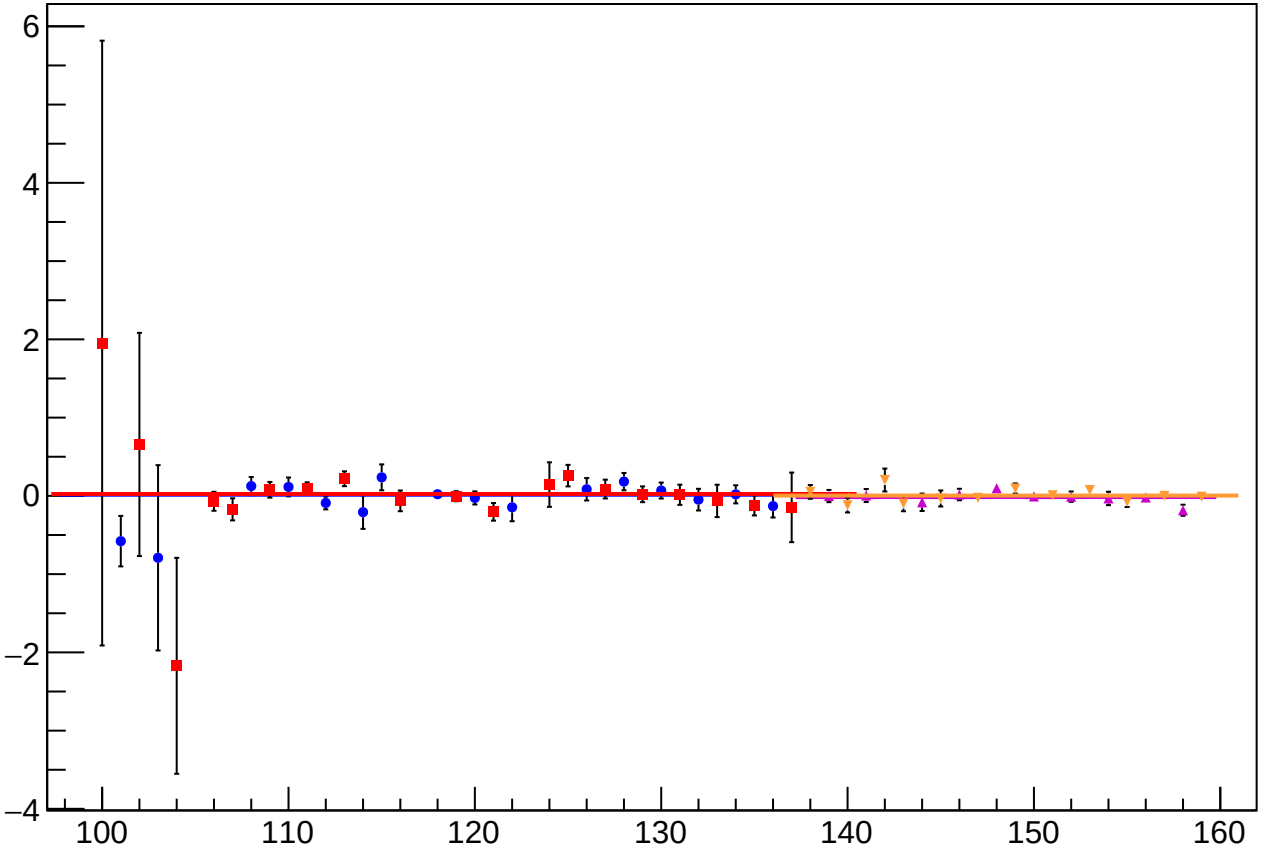
Left In: 60.679+/-0.016 χ^2/NDF:522432.7/9

+ sign 56.045+/-0.012 χ^2/NDF: 4113347.1/27

All: 58.499+/-0.008 χ^2/NDF: 7361529.0/56

- sign 61.290+/-0.012 χ^2/NDF: 3153199.5/28

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

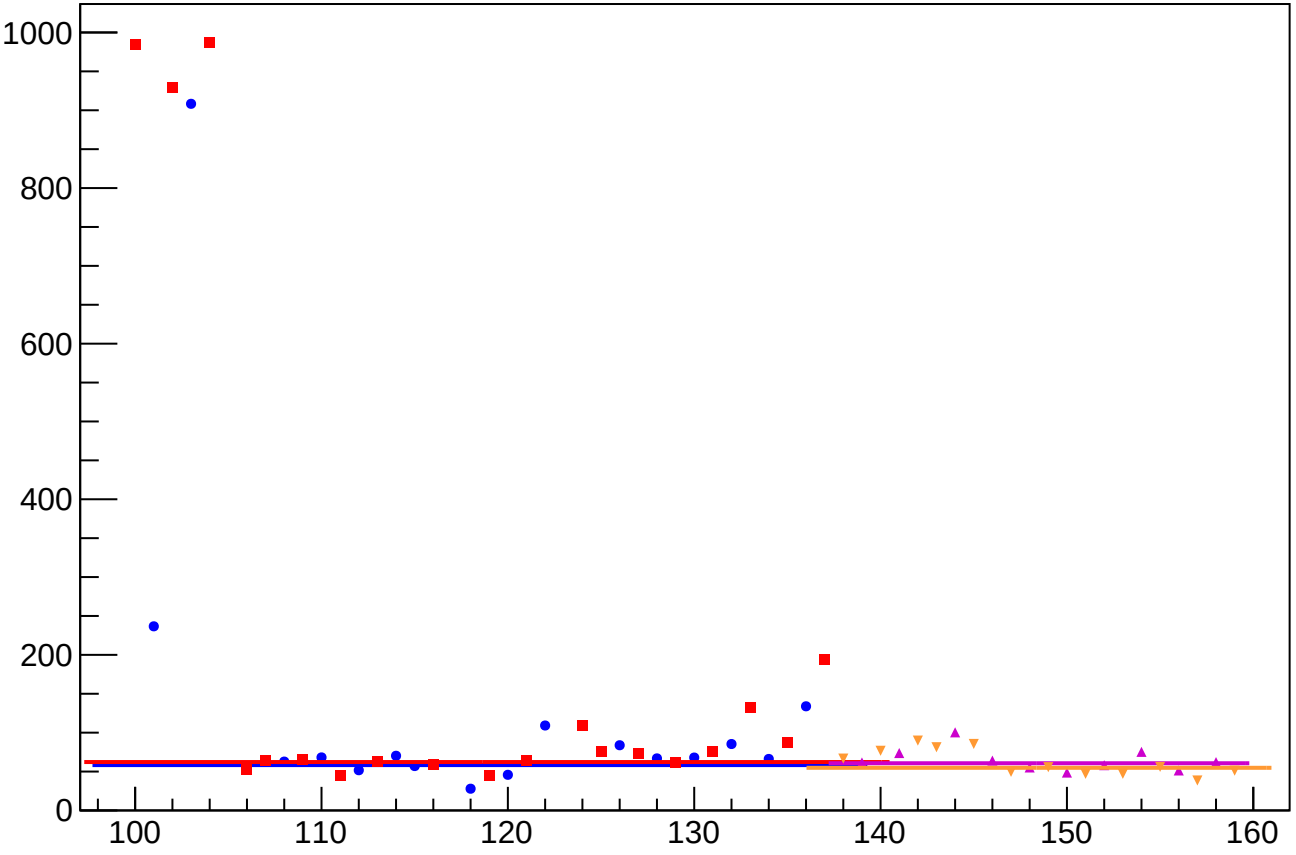
Left In: -0.015+/-0.023 χ^2/NDF:9.5/9

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/27

All: 0.004+/-0.012 χ^2/NDF: 57.0/56

- sign 0.000+/-0.018 χ^2/NDF: 31.5/28

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

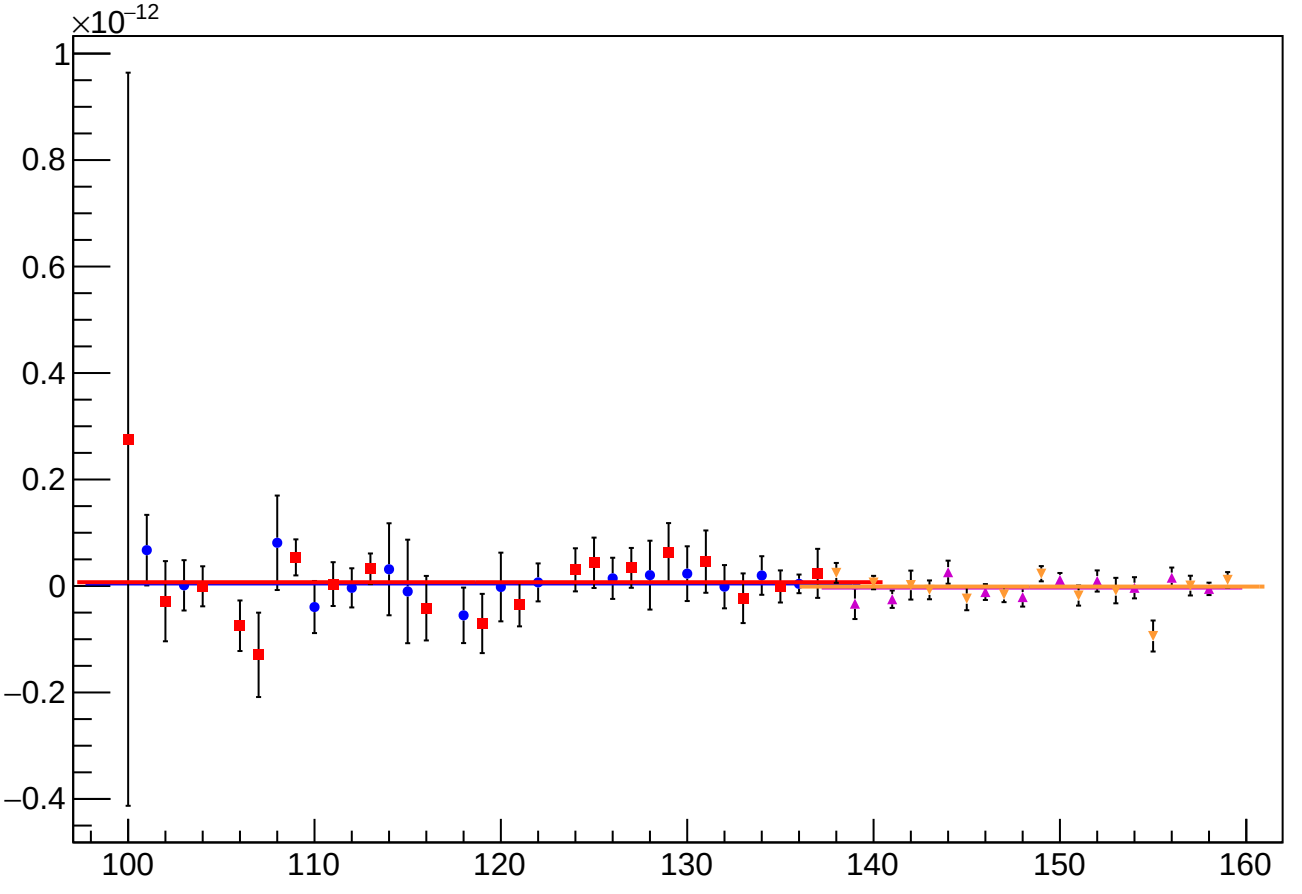
Left In: 60.679+/-0.016 χ^2/NDF:522432.7/9

+ sign 56.045+/-0.012 χ^2/NDF: 4113347.1/27

All: 58.499+/-0.008 χ^2/NDF: 7361529.0/56

- sign 61.290+/-0.012 χ^2/NDF: 3153199.5/28

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

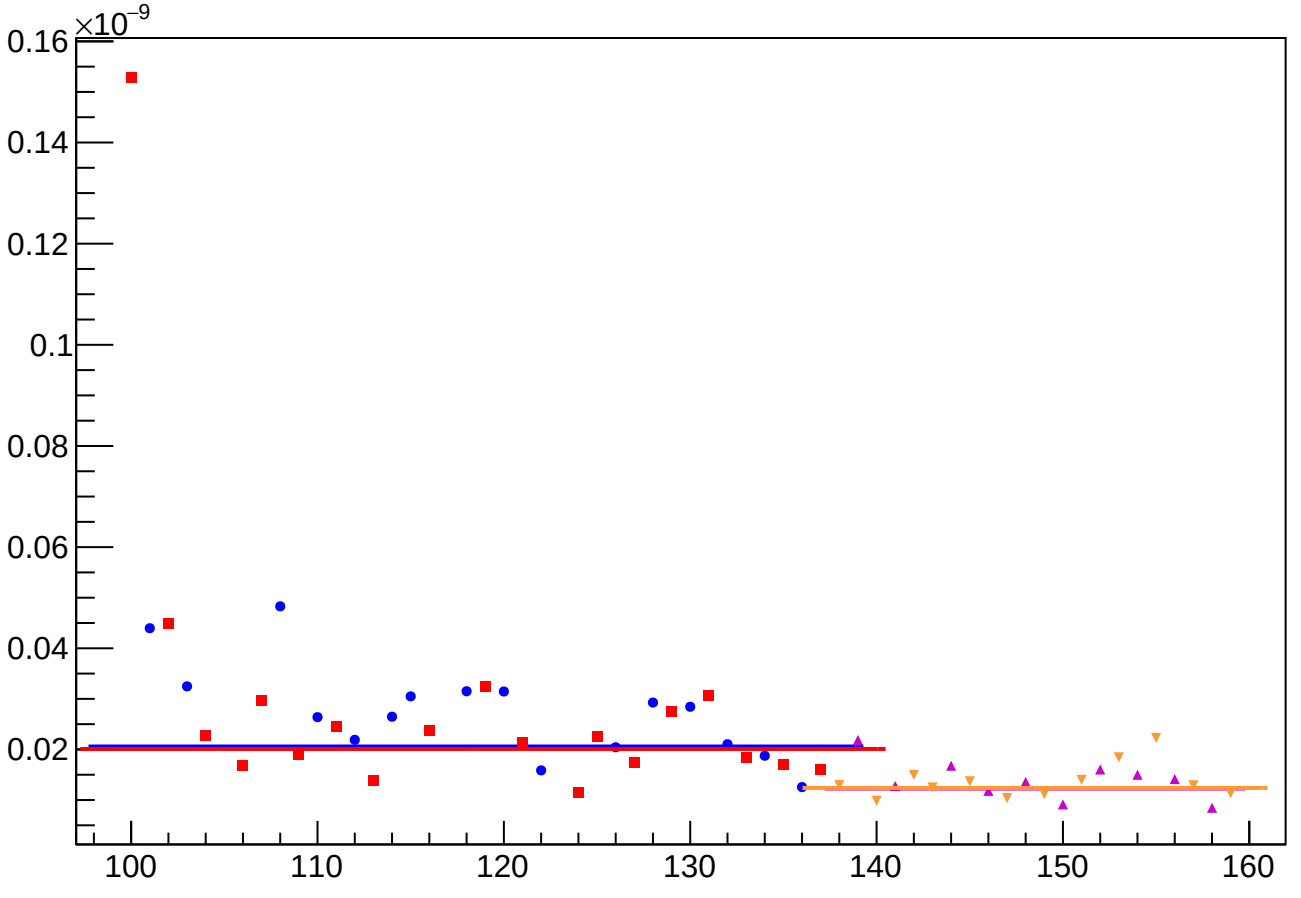
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/27

All: -0.000+/-0.000 χ^2/NDF: 49.3/56

- sign -0.000+/-0.000 χ^2/NDF: 25.5/28



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

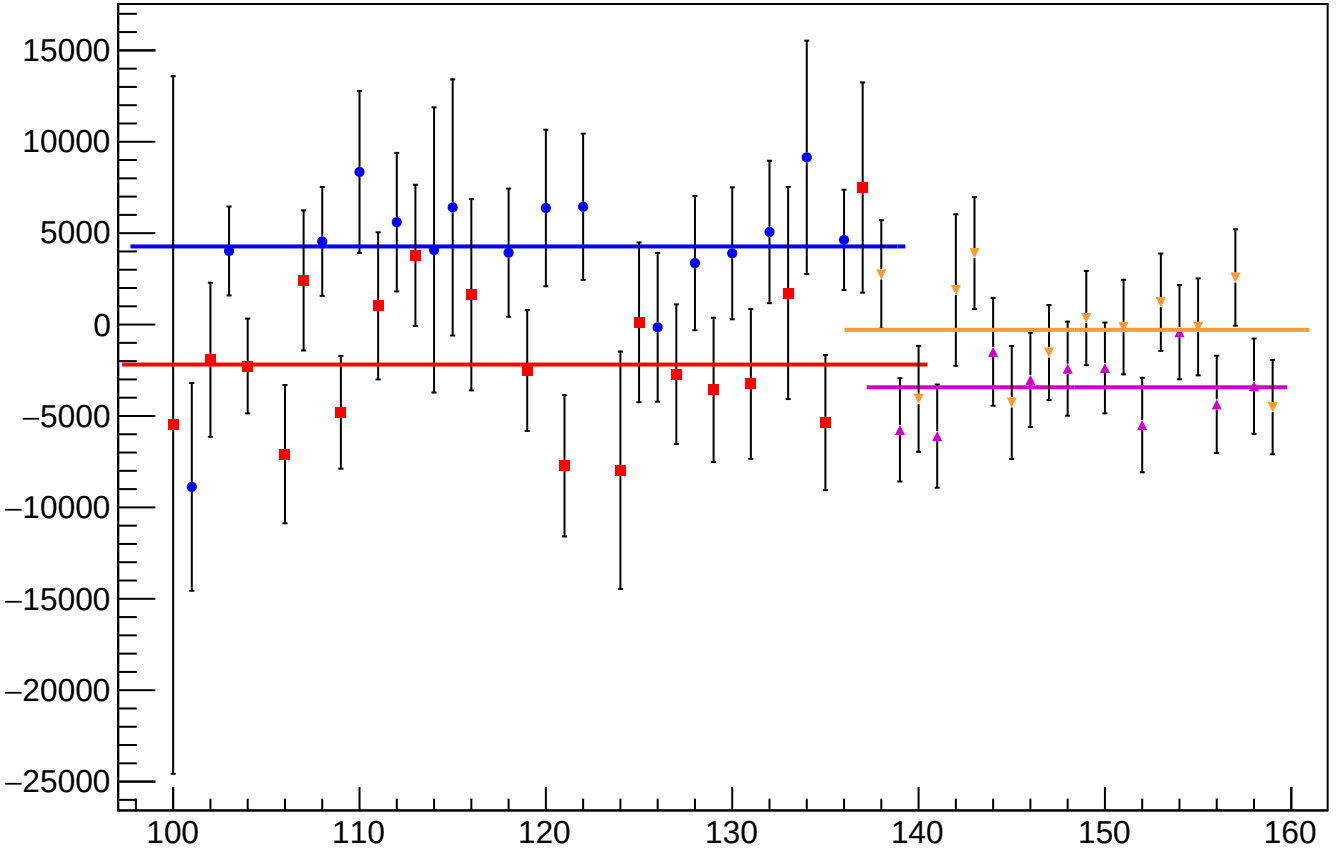
Left In: 0.000+/-0.000 χ^2/NDF:779397.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2887039.9/27

All: 0.000+/-0.000 χ^2/NDF: 5418962.2/56

- sign 0.000+/-0.000 χ^2/NDF: 2531761.1/28

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -287.819+/-808.926 χ^2/NDF:11.0/11

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

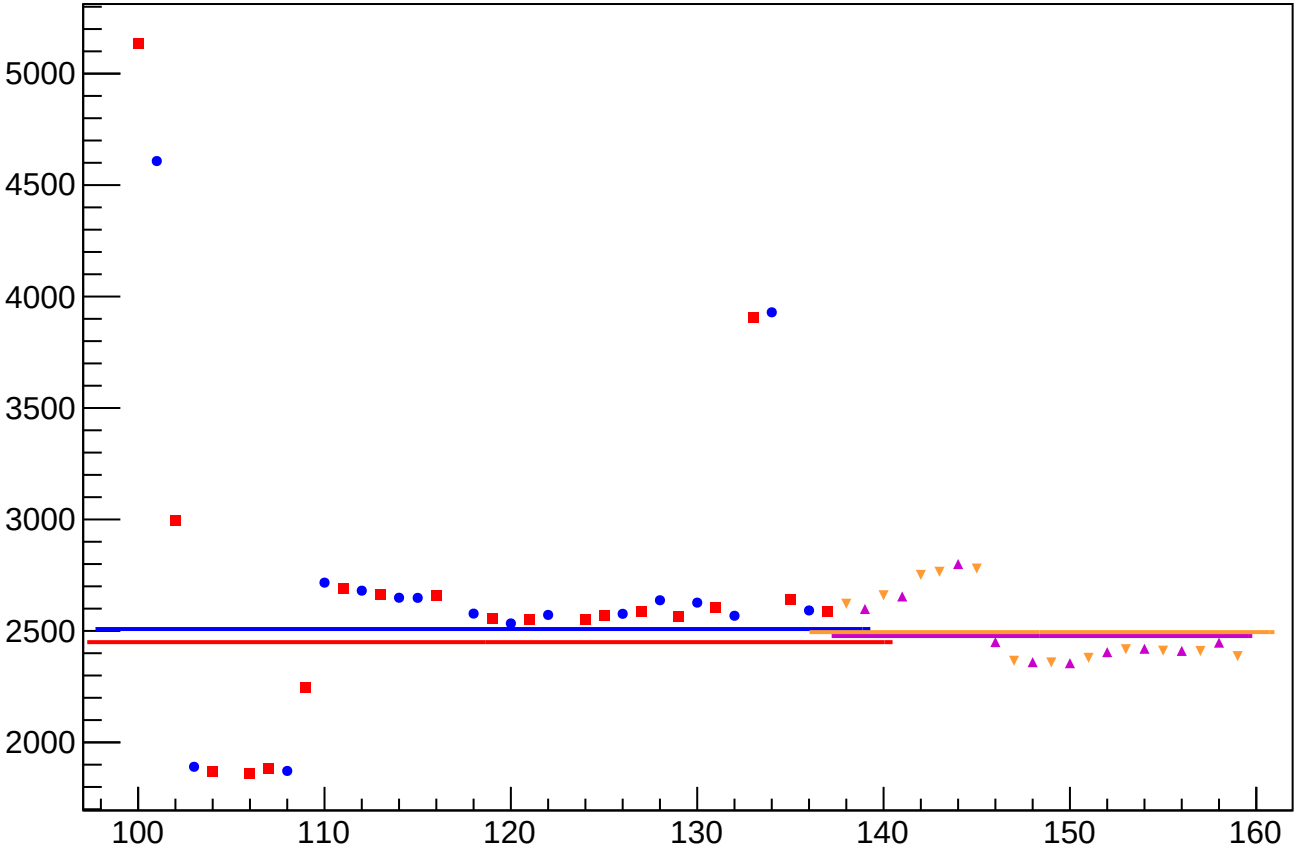
Left In: -3428.835+/-839.819 χ^2/NDF:4.5/9

+ sign 1625.146+/-616.428 χ^2/NDF: 33.3/27

All: -603.930+/-437.452 χ^2/NDF: 79.9/56

- sign -2865.453+/-620.898 χ^2/NDF: 20.3/28

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

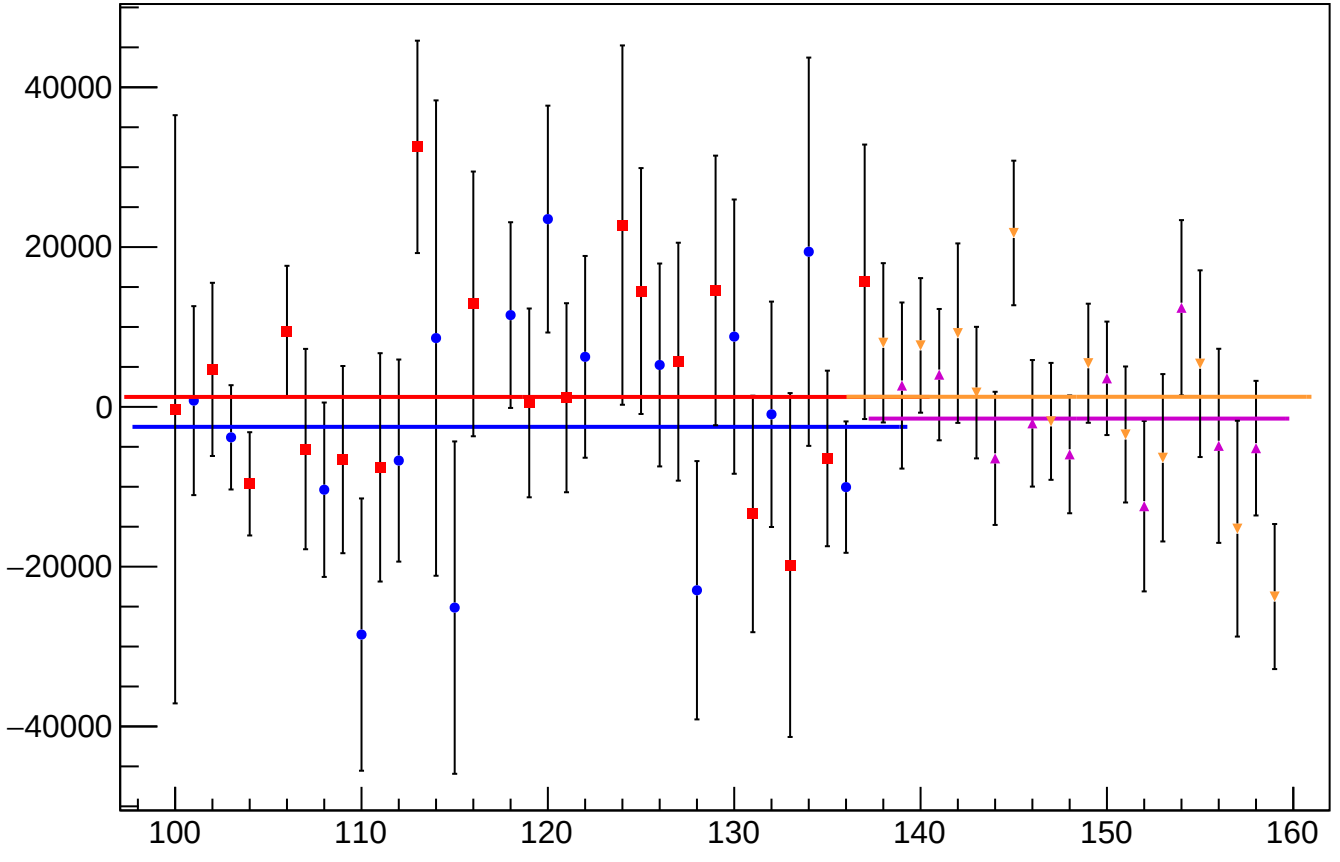
Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

+ sign 2500.446+/-0.436 χ^2/NDF: 686029.3/27

All: 2482.666+/-0.309 χ^2/NDF: 1176051.8/56

- sign 2464.628+/-0.439 χ^2/NDF: 486670.8/28

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

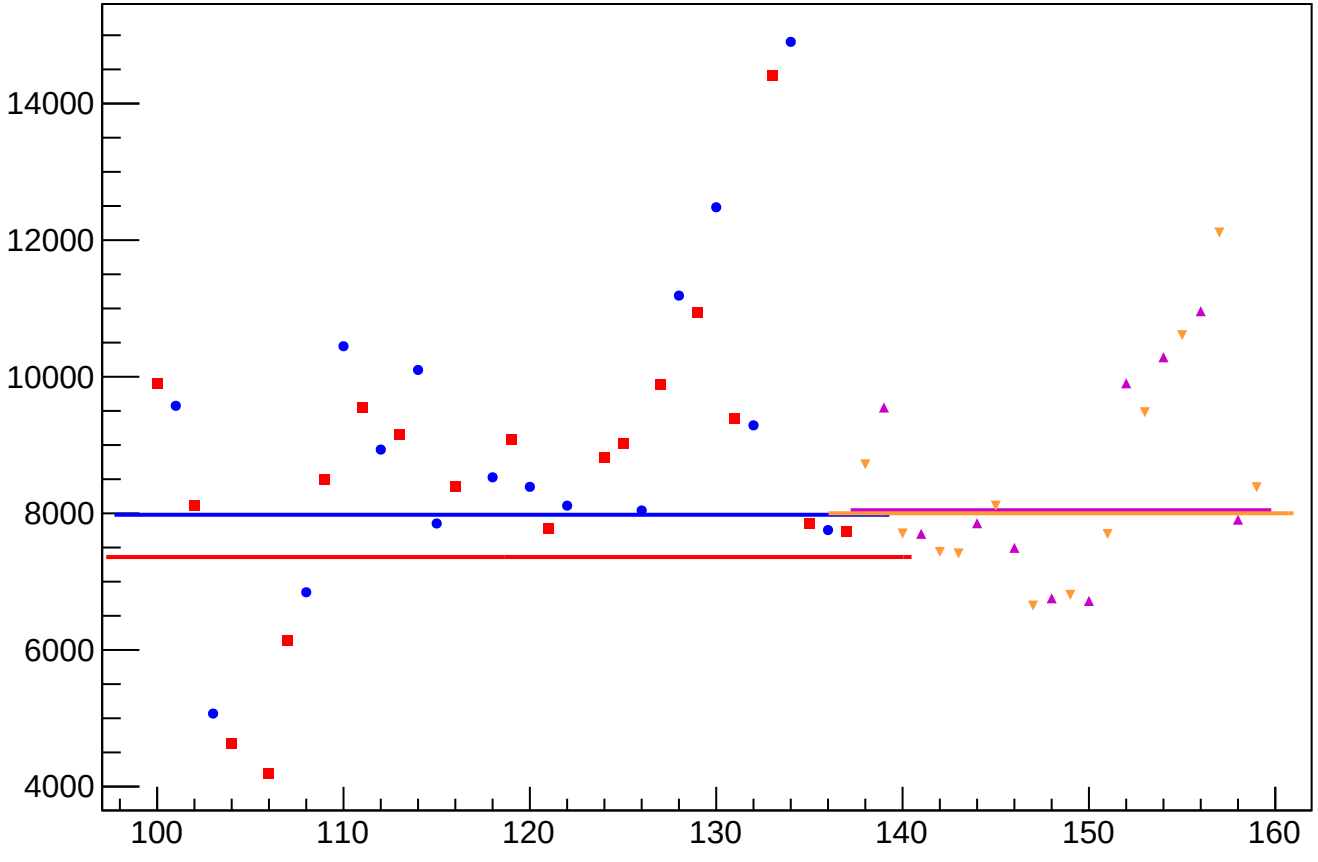
Left In: -1467.000+/-2767.416 χ^2/NDF:4.8/9

+ sign -333.651+/-2002.784 χ^2/NDF: 31.8/27

All: -242.317+/-1410.331 χ^2/NDF: 53.7/56

- sign -152.477+/-1986.338 χ^2/NDF: 21.8/28

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

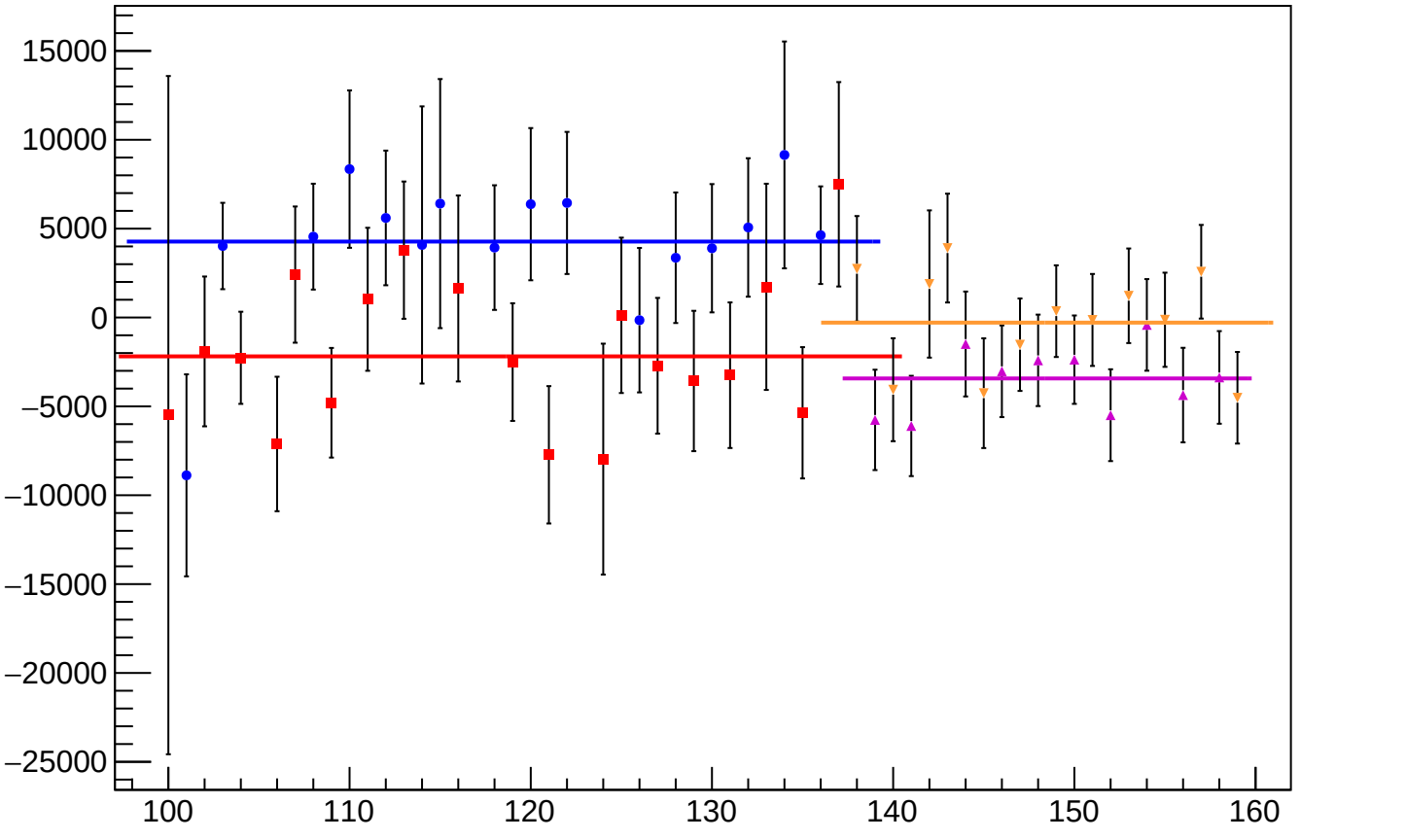
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8045.836+/-1.957 χ^2/NDF:446836.2/9

+ sign 7991.917+/-1.416 χ^2/NDF: 1401836.3/27

All: 7851.655+/-0.997 χ^2/NDF: 3213563.8/56

- sign 7713.687+/-1.405 χ^2/NDF: 1792269.1/28



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

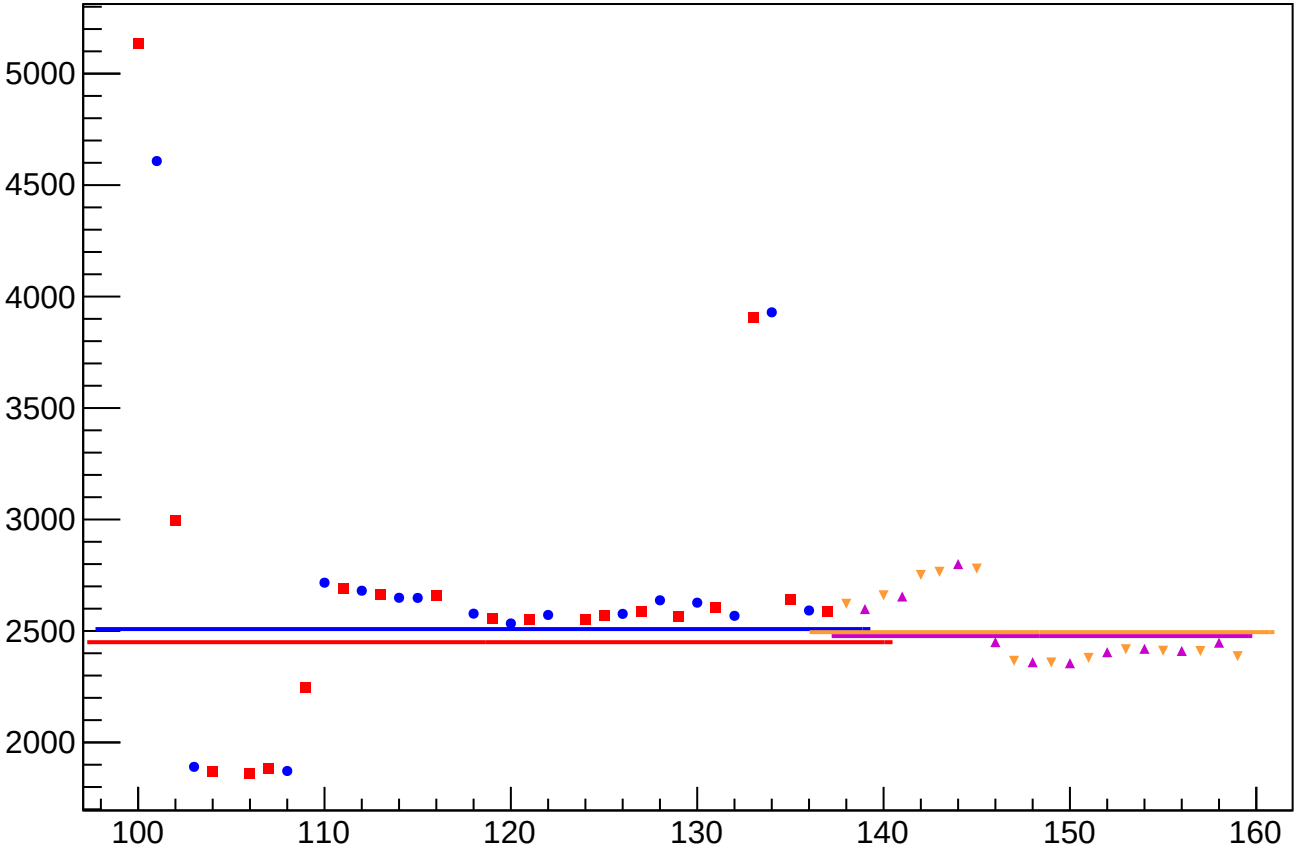
Left In: -3428.940+/-839.819 χ^2/NDF:4.5/9

+ sign 1624.781+/-616.428 χ^2/NDF: 33.3/27

All: -604.277+/-437.453 χ^2/NDF: 79.9/56

- sign -2865.798+/-620.901 χ^2/NDF: 20.3/28

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

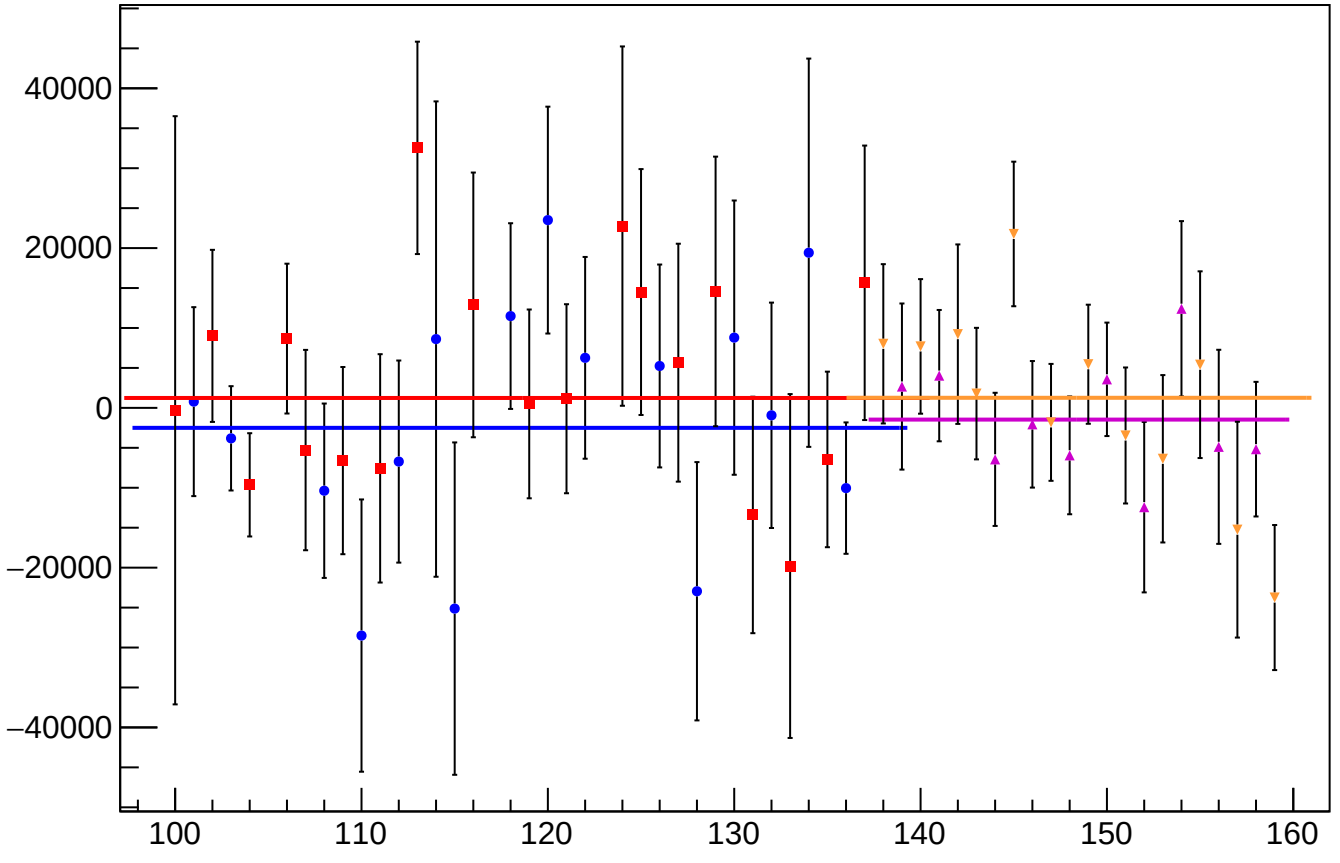
Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

+ sign 2500.446+/-0.436 χ^2/NDF: 686027.1/27

All: 2482.672+/-0.309 χ^2/NDF: 1175991.5/56

- sign 2464.640+/-0.439 χ^2/NDF: 486614.7/28

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

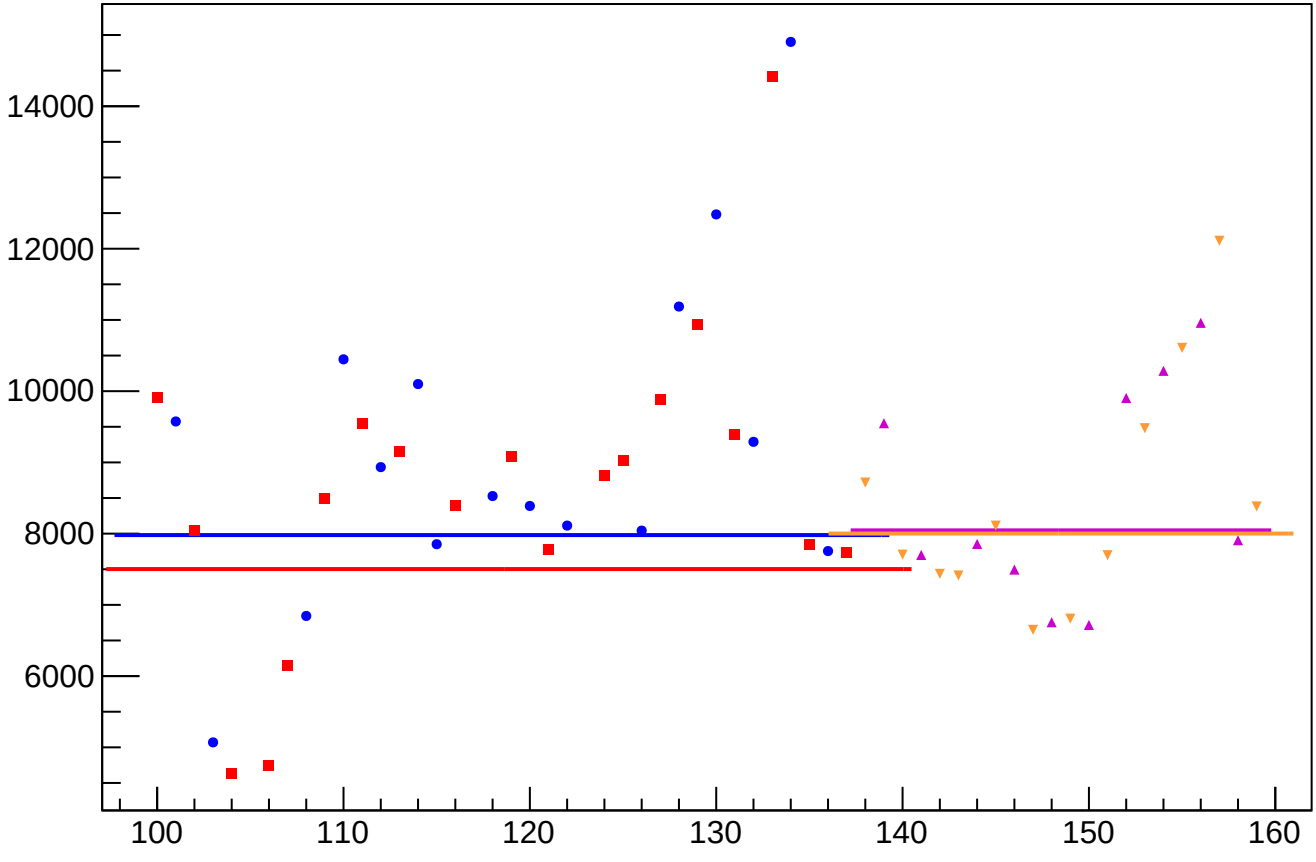
Left In: -1467.185+/-2767.416 χ^2/NDF:4.8/9

+ sign -333.537+/-2002.806 χ^2/NDF: 31.8/27

All: -253.600+/-1415.182 χ^2/NDF: 53.7/56

- sign -173.892+/-1999.935 χ^2/NDF: 21.8/28

asym_atr2_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

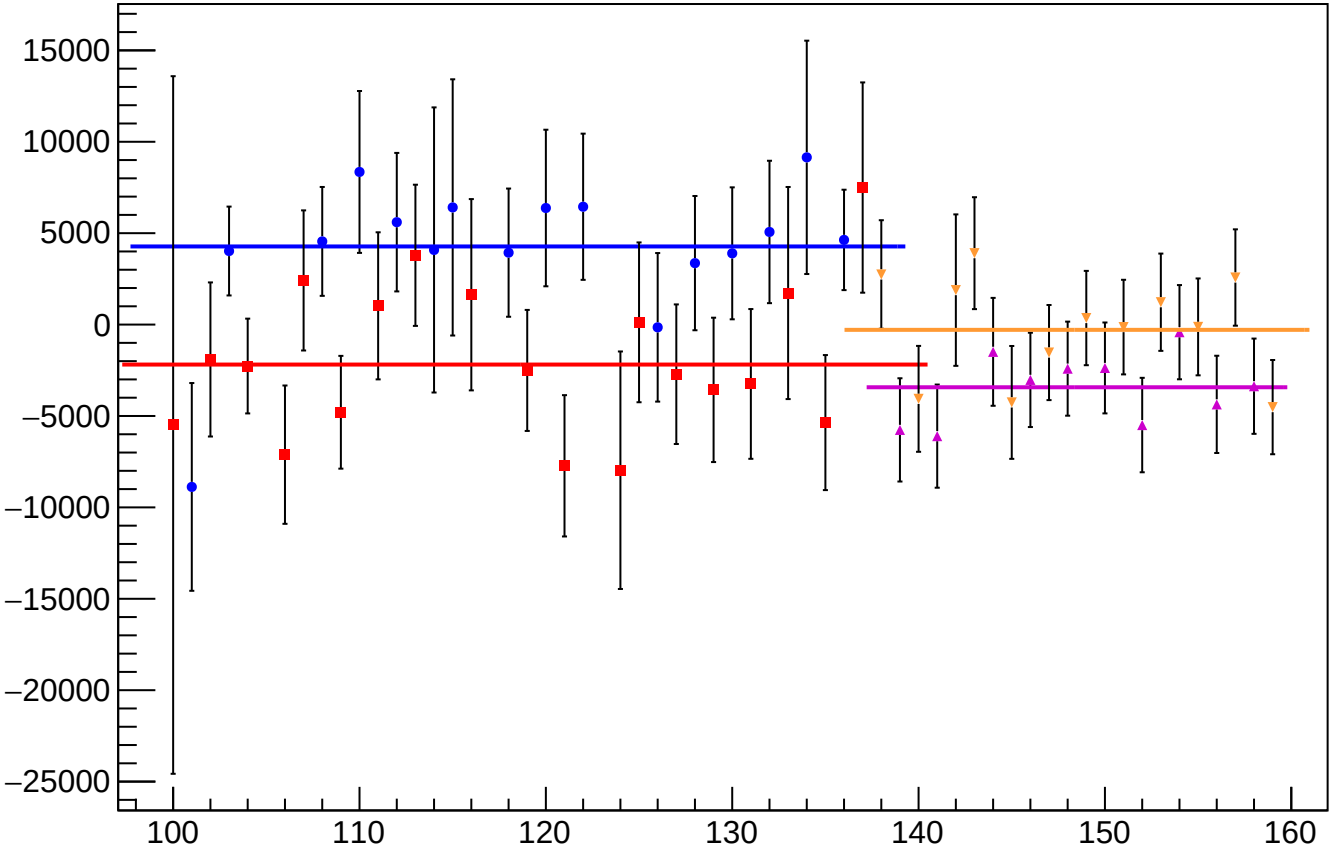
Left In: 8045.835+/-1.957 χ^2/NDF:446837.9/9

+ sign 7992.047+/-1.416 χ^2/NDF: 1401541.2/27

All: 7889.050+/-1.001 χ^2/NDF: 3031271.9/56

- sign 7786.348+/-1.414 χ^2/NDF: 1619167.2/28

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

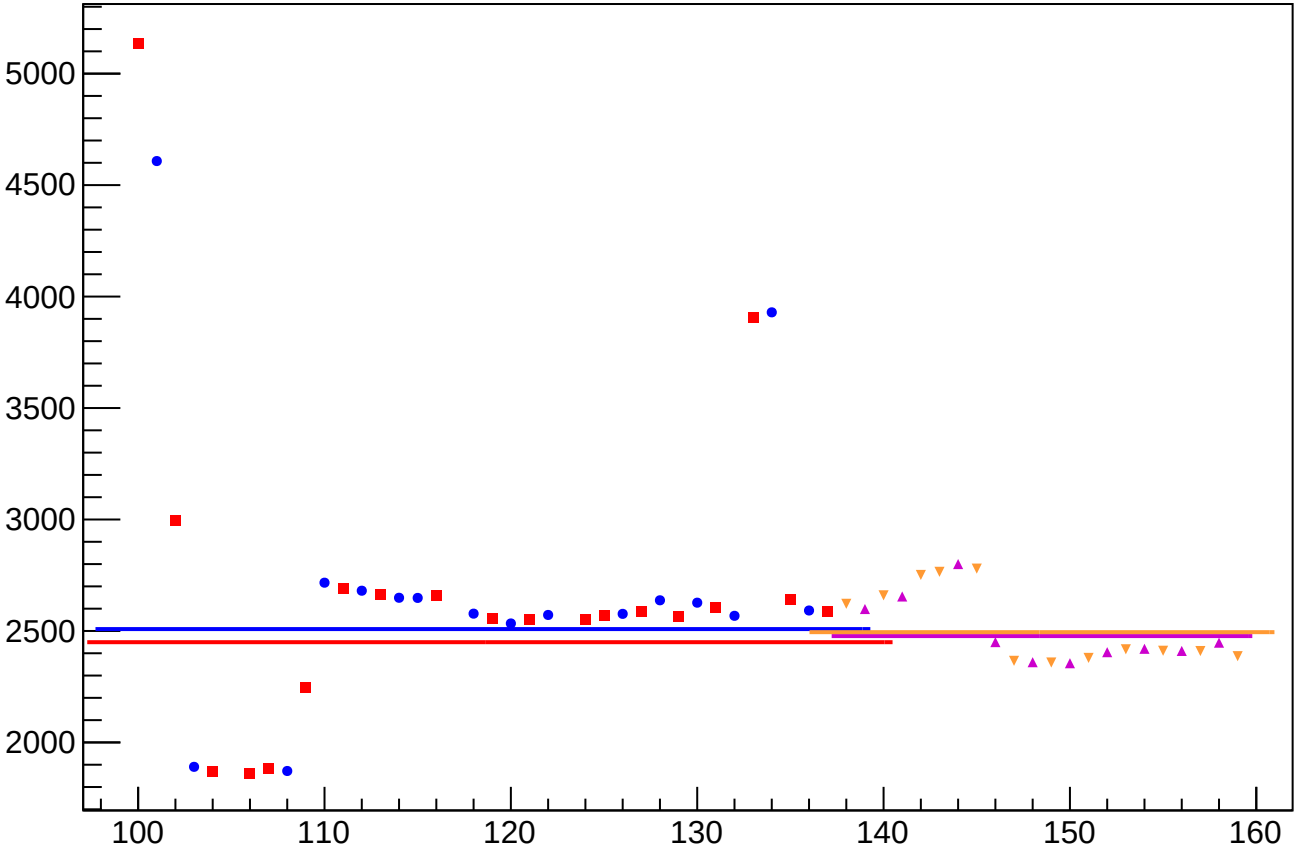
Left In: -3428.940+/-839.819 χ^2/NDF:4.5/9

+ sign 1624.781+/-616.428 χ^2/NDF: 33.3/27

All: -604.277+/-437.453 χ^2/NDF: 79.9/56

- sign -2865.798+/-620.901 χ^2/NDF: 20.3/28

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

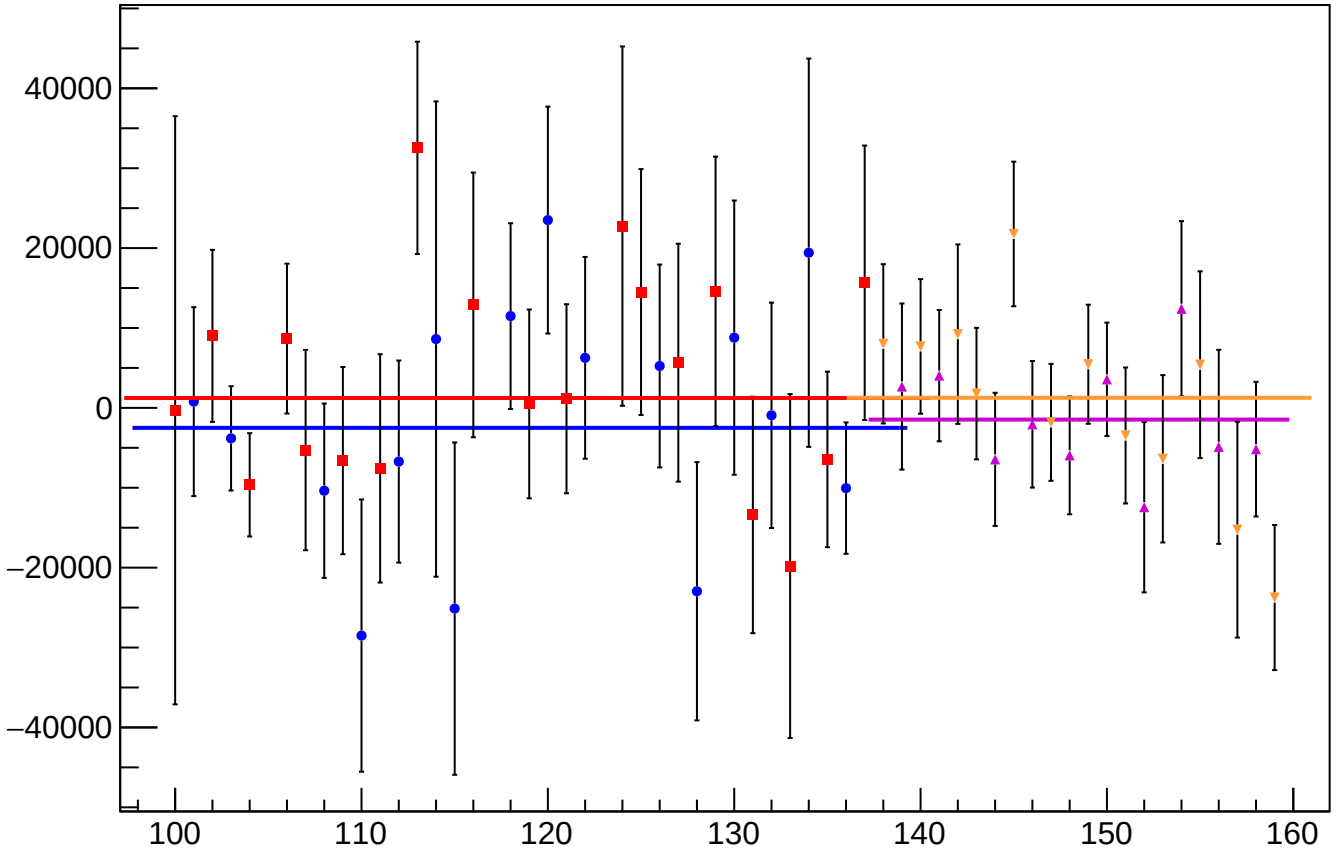
Left In: 2477.076+/-0.594 χ^2/NDF:48800.8/9

+ sign 2500.446+/-0.436 χ^2/NDF: 686027.1/27

All: 2482.672+/-0.309 χ^2/NDF: 1175991.5/56

- sign 2464.640+/-0.439 χ^2/NDF: 486614.7/28

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

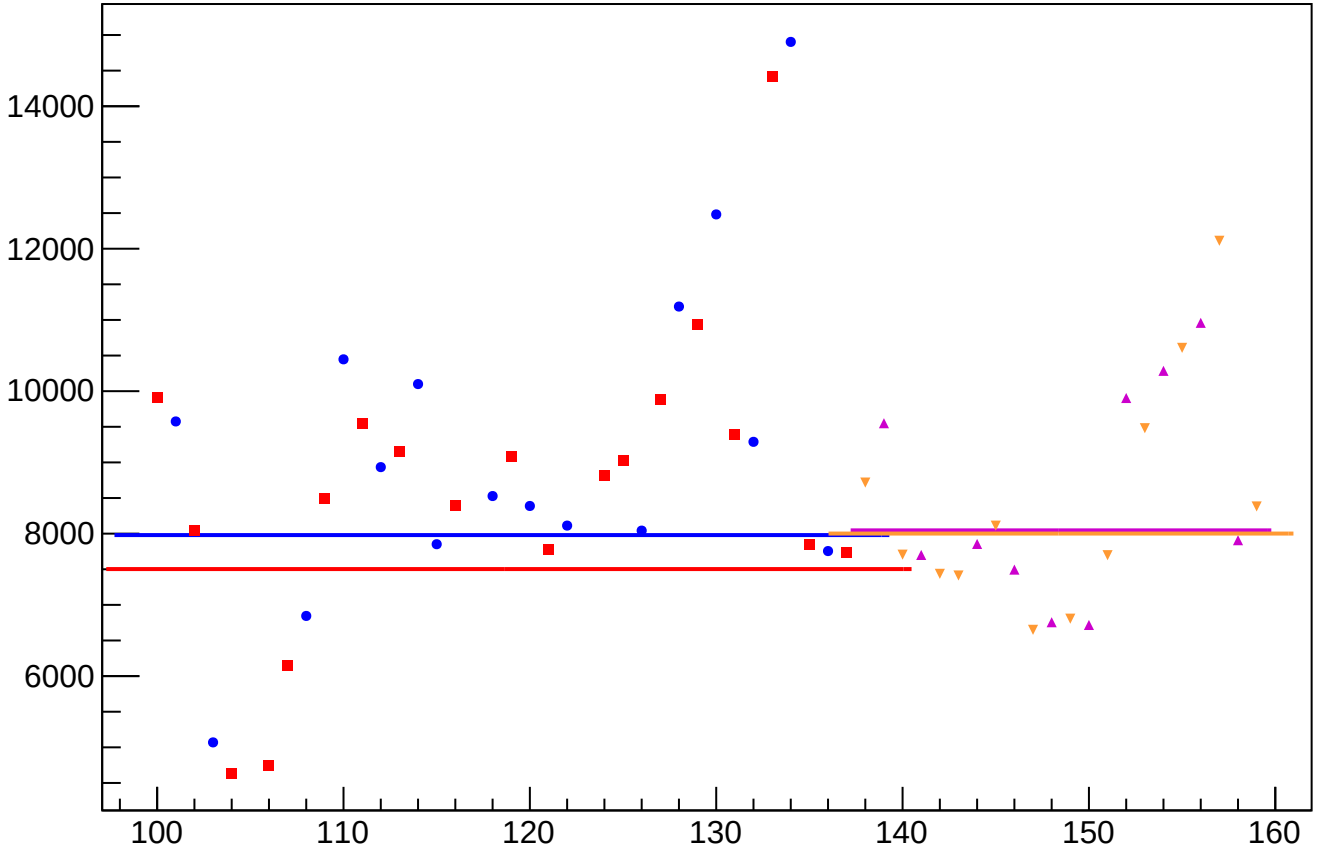
Left In: -1467.185+/-2767.416 χ^2/NDF:4.8/9

+ sign -333.537+/-2002.806 χ^2/NDF: 31.8/27

All: -253.600+/-1415.182 χ^2/NDF: 53.7/56

- sign -173.892+/-1999.935 χ^2/NDF: 21.8/28

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

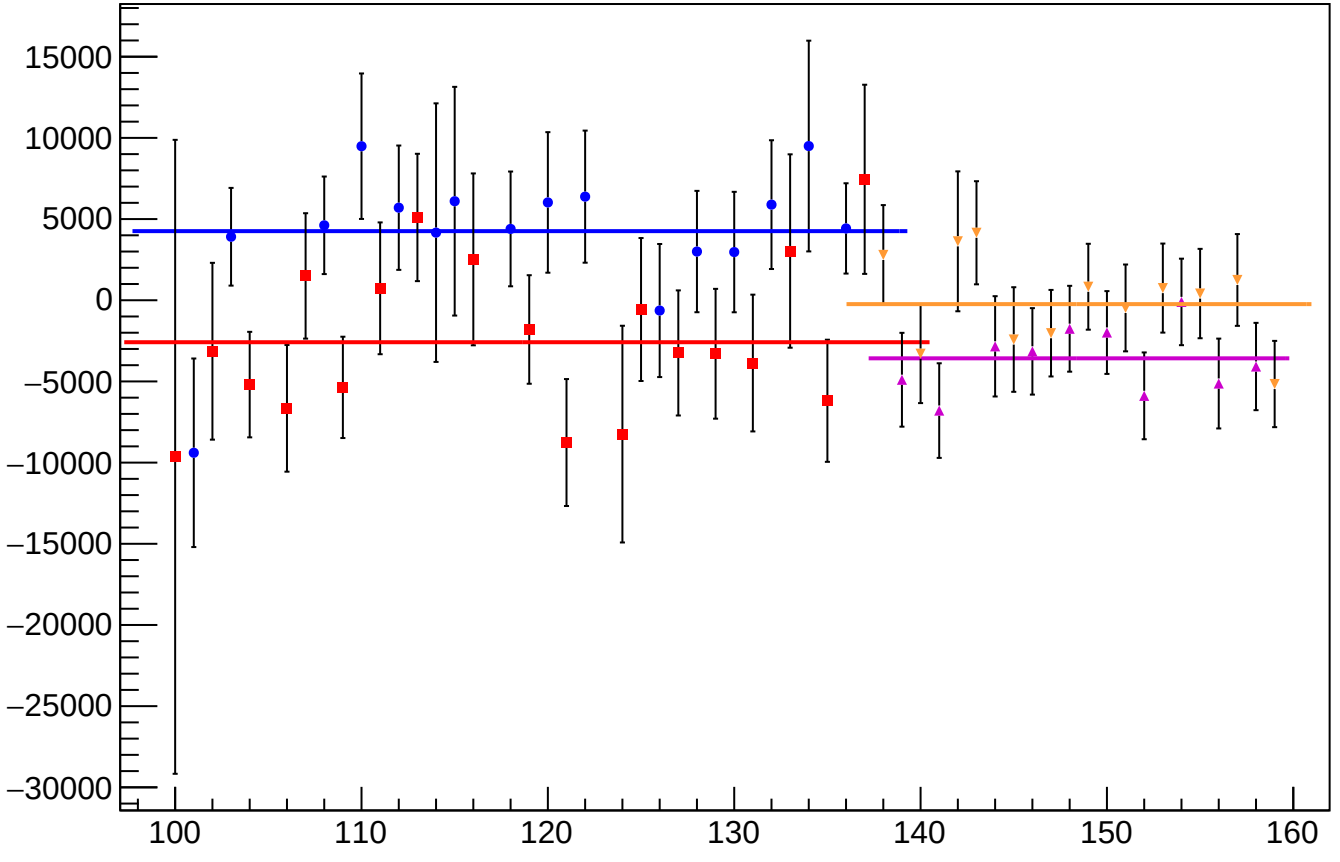
Left In: 8045.835+/-1.957 χ^2/NDF:446837.9/9

+ sign 7992.047+/-1.416 χ^2/NDF: 1401541.2/27

All: 7889.050+/-1.001 χ^2/NDF: 3031271.9/56

- sign 7786.348+/-1.414 χ^2/NDF: 1619167.2/28

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

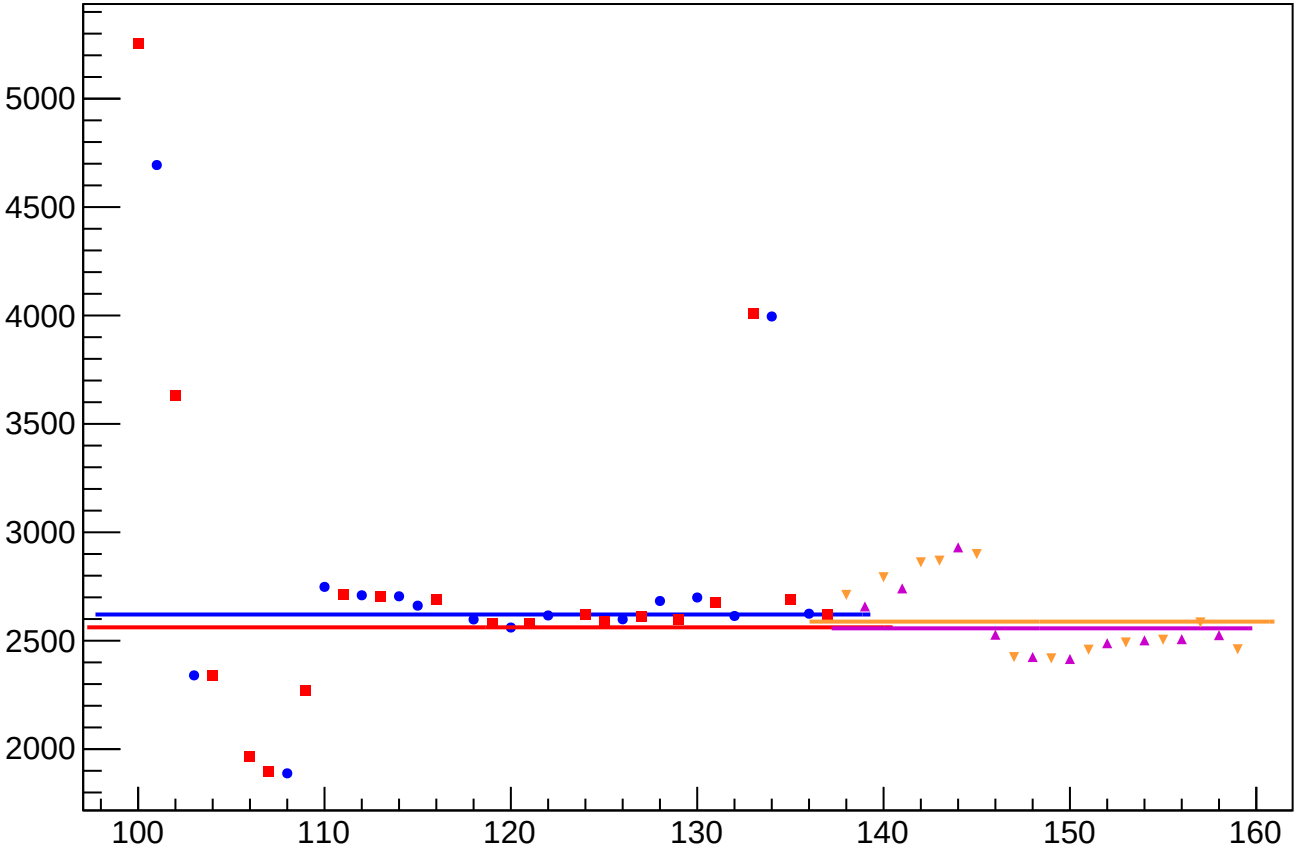
Left In: -3577.529+/-867.111 χ^2/NDF:5.2/9

+ sign 1640.699+/-640.438 χ^2/NDF: 31.7/27

All: -728.887+/-454.565 χ^2/NDF: 82.7/56

- sign -3134.538+/-645.293 χ^2/NDF: 23.4/28

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

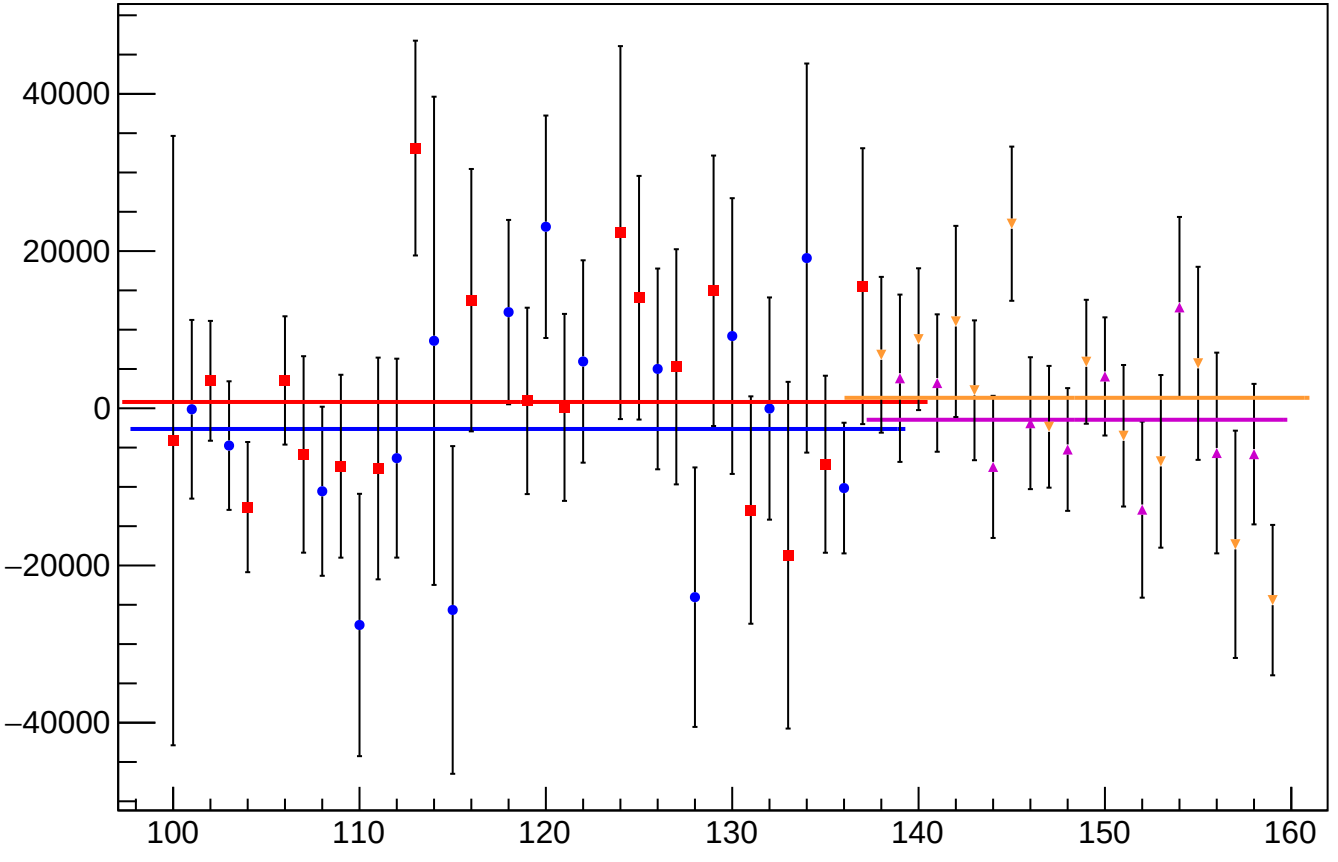
Left In: 2557.060+/-0.613 χ^2/NDF:54184.9/9

+ sign 2601.840+/-0.453 χ^2/NDF: 571274.6/27

All: 2580.645+/-0.321 χ^2/NDF: 1008157.7/56

- sign 2559.140+/-0.456 χ^2/NDF: 432470.2/28

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

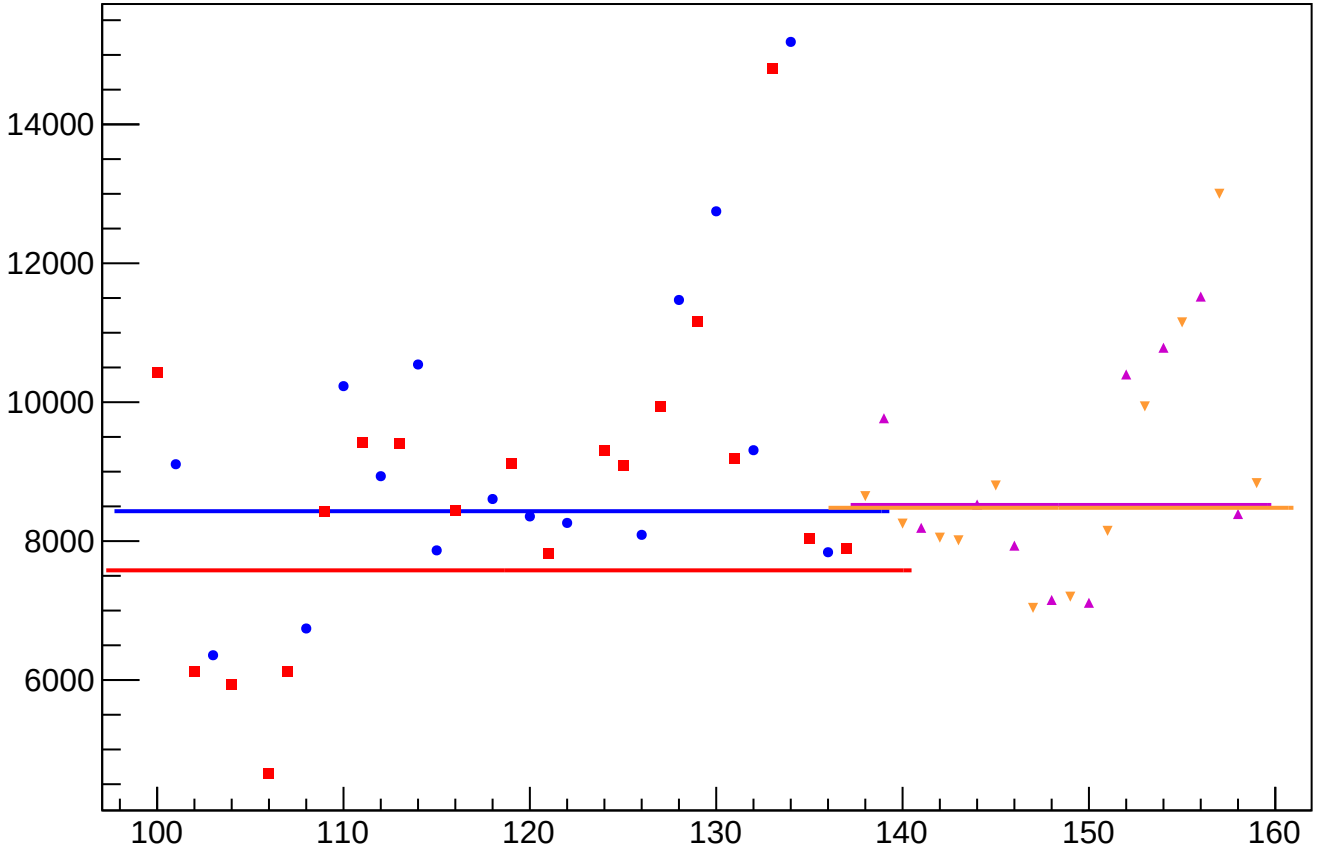
Left In: -1459.249+/-2928.258 χ^2/NDF:4.7/9

+ sign -376.180+/-2108.444 χ^2/NDF: 31.8/27

All: -340.432+/-1470.073 χ^2/NDF: 52.2/56

- sign -306.614+/-2050.752 χ^2/NDF: 20.4/28

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

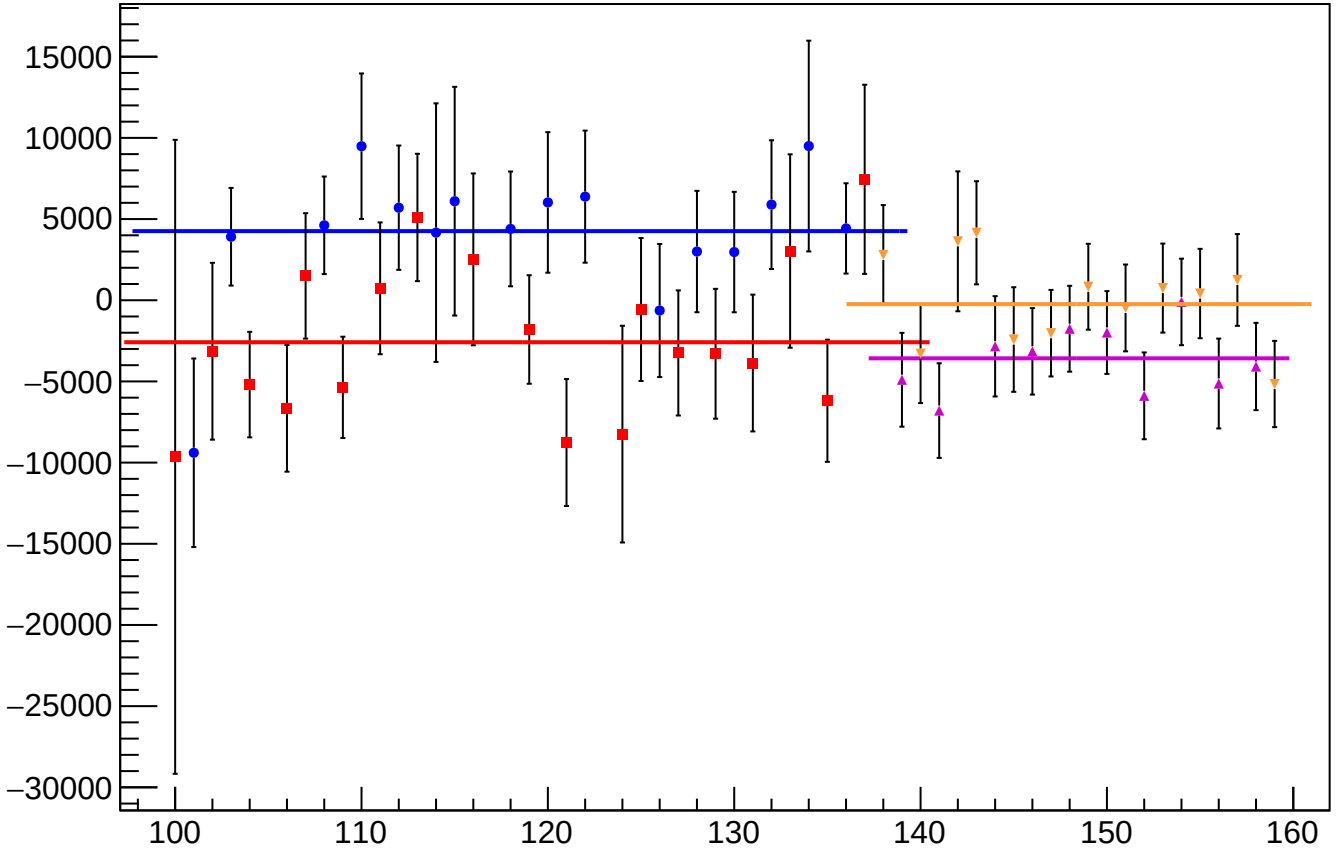
Left In: 8520.490+/-2.071 χ^2/NDF:416198.9/9

+ sign 8458.580+/-1.491 χ^2/NDF: 1045390.3/27

All: 8243.908+/-1.039 χ^2/NDF: 2581382.9/56

- sign 8040.824+/-1.450 χ^2/NDF: 1495646.5/28

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

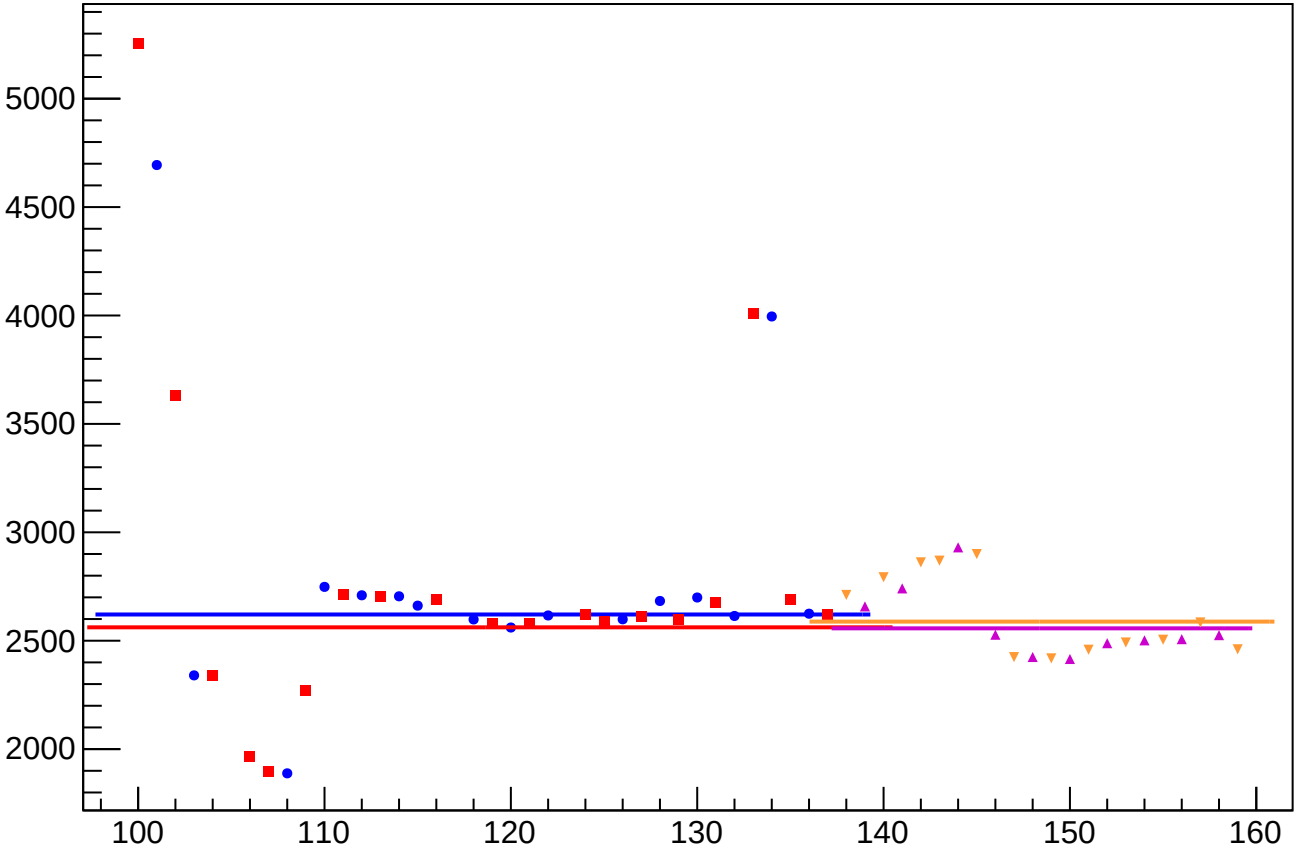
Left In: -3577.527+/-867.112 χ^2/NDF:5.2/9

+ sign 1640.696+/-640.438 χ^2/NDF: 31.7/27

All: -728.890+/-454.565 χ^2/NDF: 82.7/56

- sign -3134.541+/-645.293 χ^2/NDF: 23.4/28

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

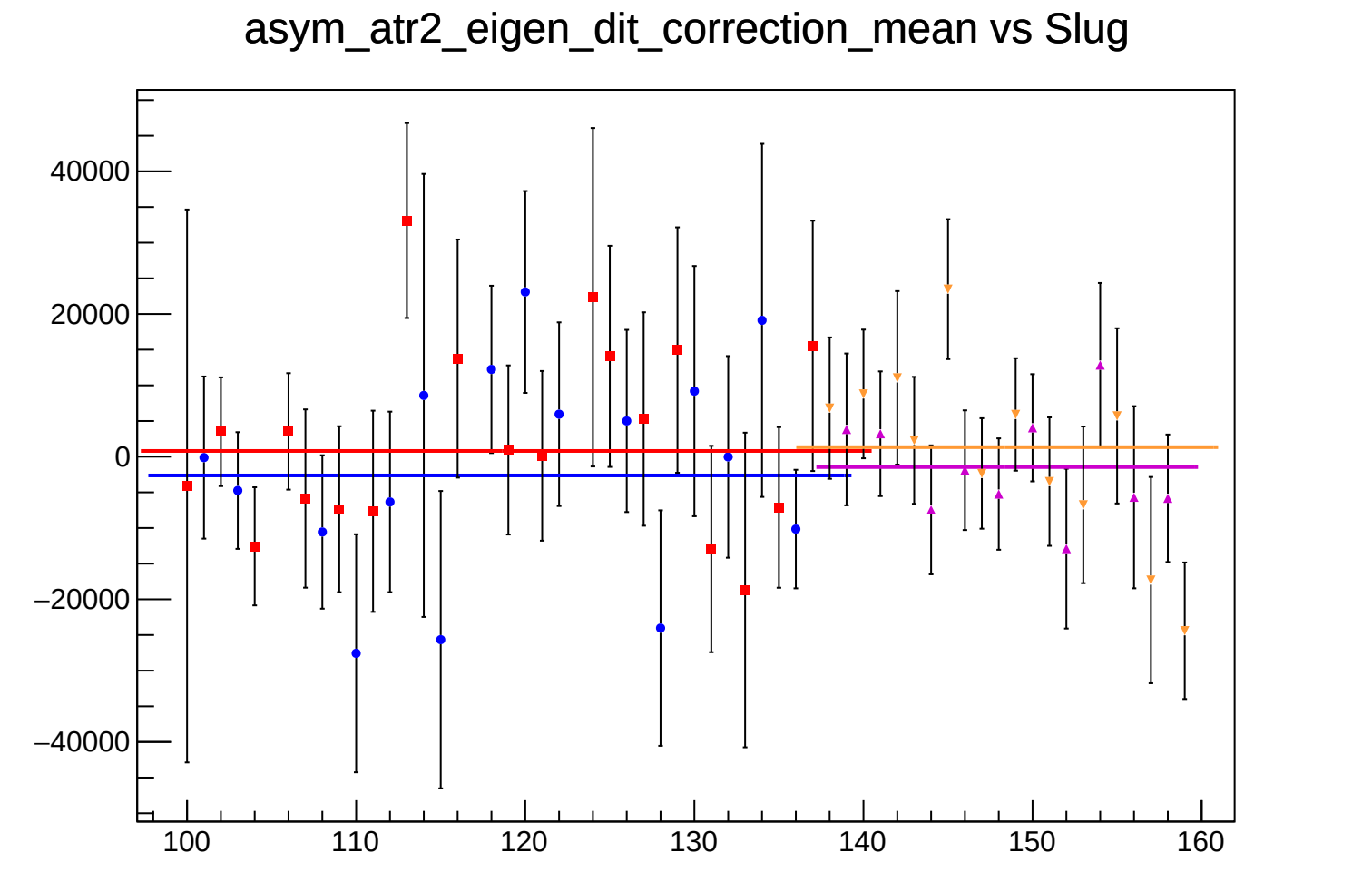
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2557.061+/-0.613 χ^2/NDF:54184.7/9

+ sign 2601.841+/-0.453 χ^2/NDF: 571274.7/27

All: 2580.646+/-0.321 χ^2/NDF: 1008157.1/56

- sign 2559.140+/-0.456 χ^2/NDF: 432469.4/28



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

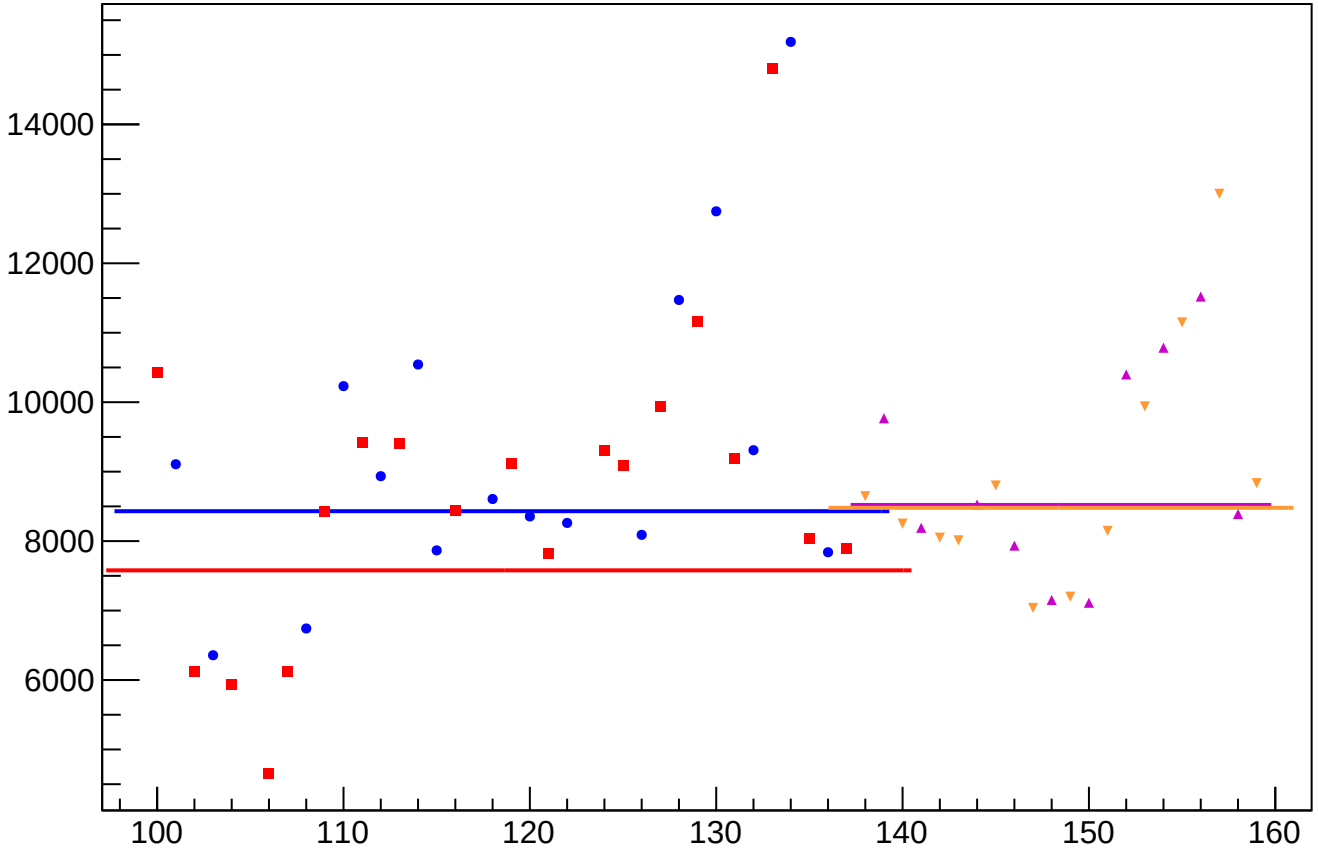
Left In: -1459.245+/-2928.262 χ^2/NDF:4.7/9

+ sign -376.175+/-2108.444 χ^2/NDF: 31.8/27

All: -340.428+/-1470.073 χ^2/NDF: 52.2/56

- sign -306.610+/-2050.751 χ^2/NDF: 20.4/28

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

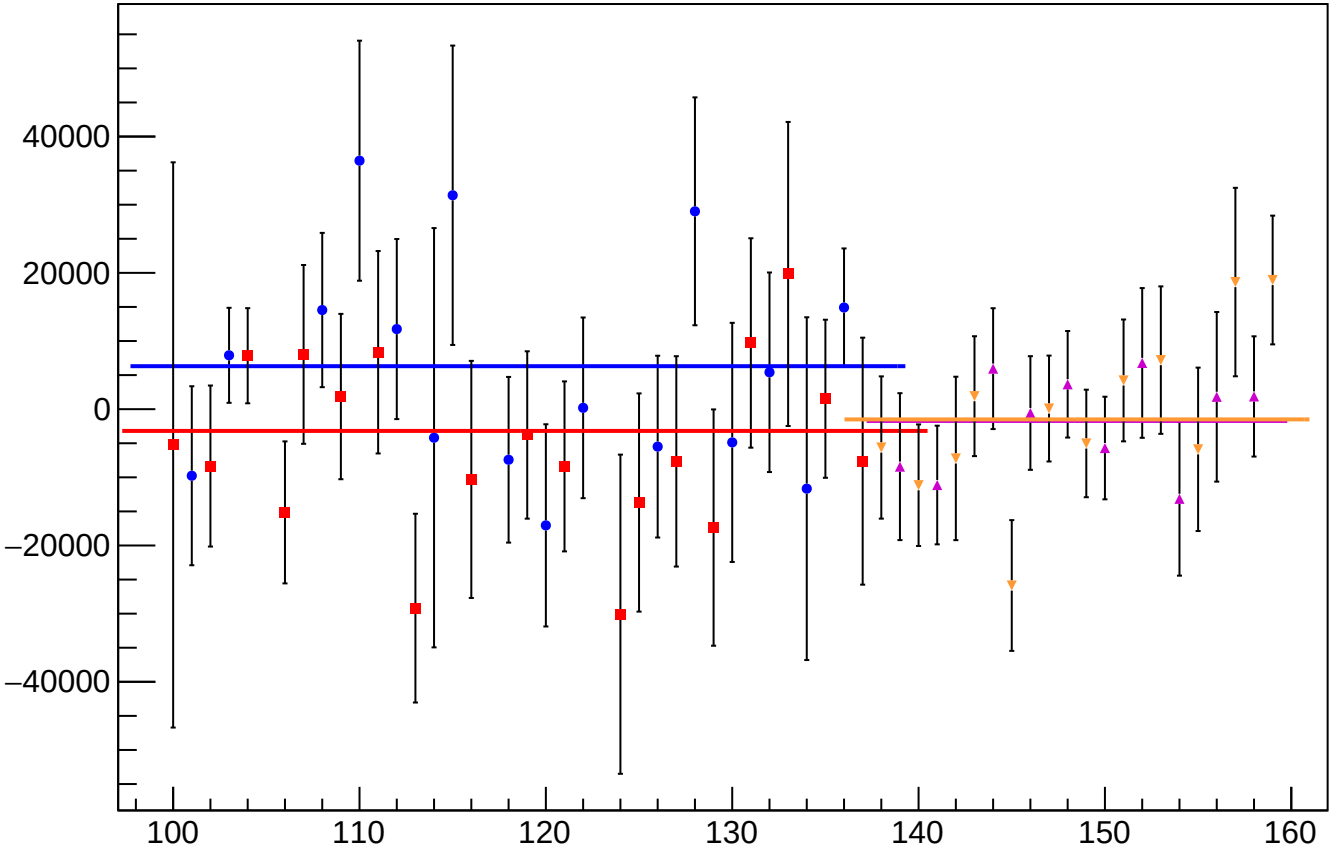
Left In: 8520.501+/-2.071 χ^2/NDF:416196.7/9

+ sign 8458.582+/-1.491 χ^2/NDF: 1045383.2/27

All: 8243.909+/-1.039 χ^2/NDF: 2581376.0/56

- sign 8040.822+/-1.450 χ^2/NDF: 1495645.8/28

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

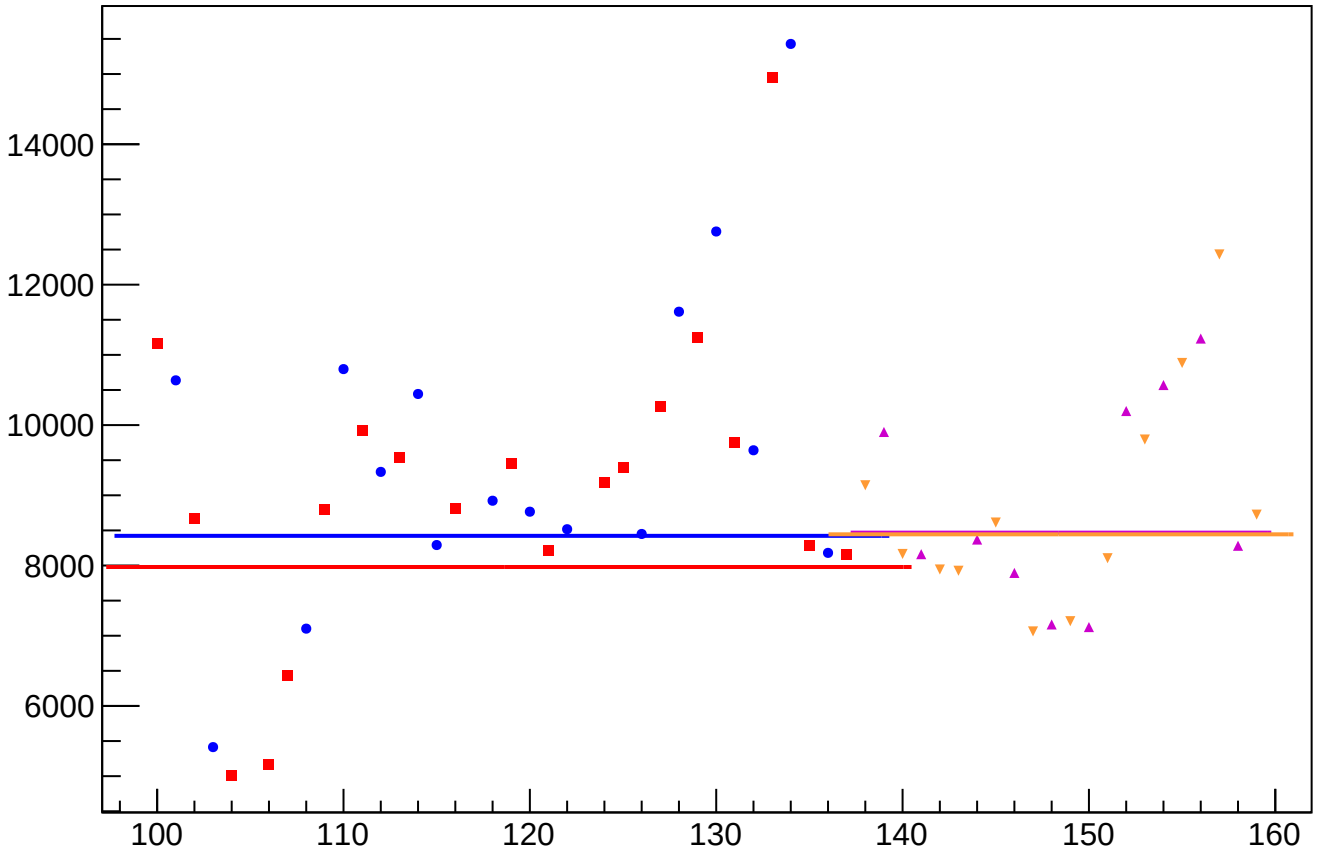
Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: -1724.581+/-2906.137 χ^2/NDF:4.9/9

+ sign 1807.339+/-2108.810 χ^2/NDF: 34.9/27

All: -303.656+/-1491.596 χ^2/NDF: 55.8/56

- sign -2417.158+/-2110.062 χ^2/NDF: 19.0/28



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

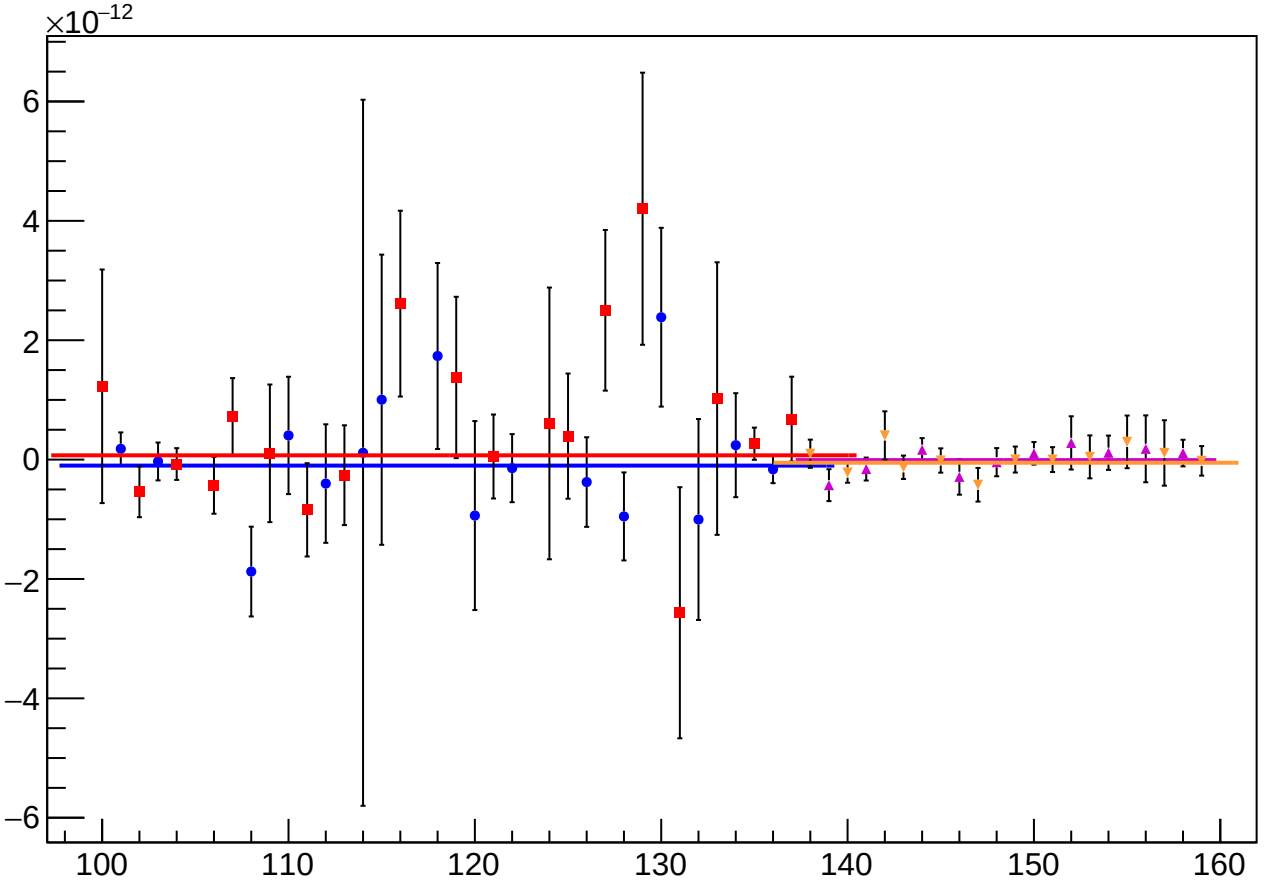
Left In: 8468.270+/-2.055 χ^2/NDF:386300.6/9

+ sign 8435.151+/-1.491 χ^2/NDF: 1301411.1/27

All: 8336.097+/-1.055 χ^2/NDF: 2739365.6/56

- sign 8236.927+/-1.492 χ^2/NDF: 1429124.0/28

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

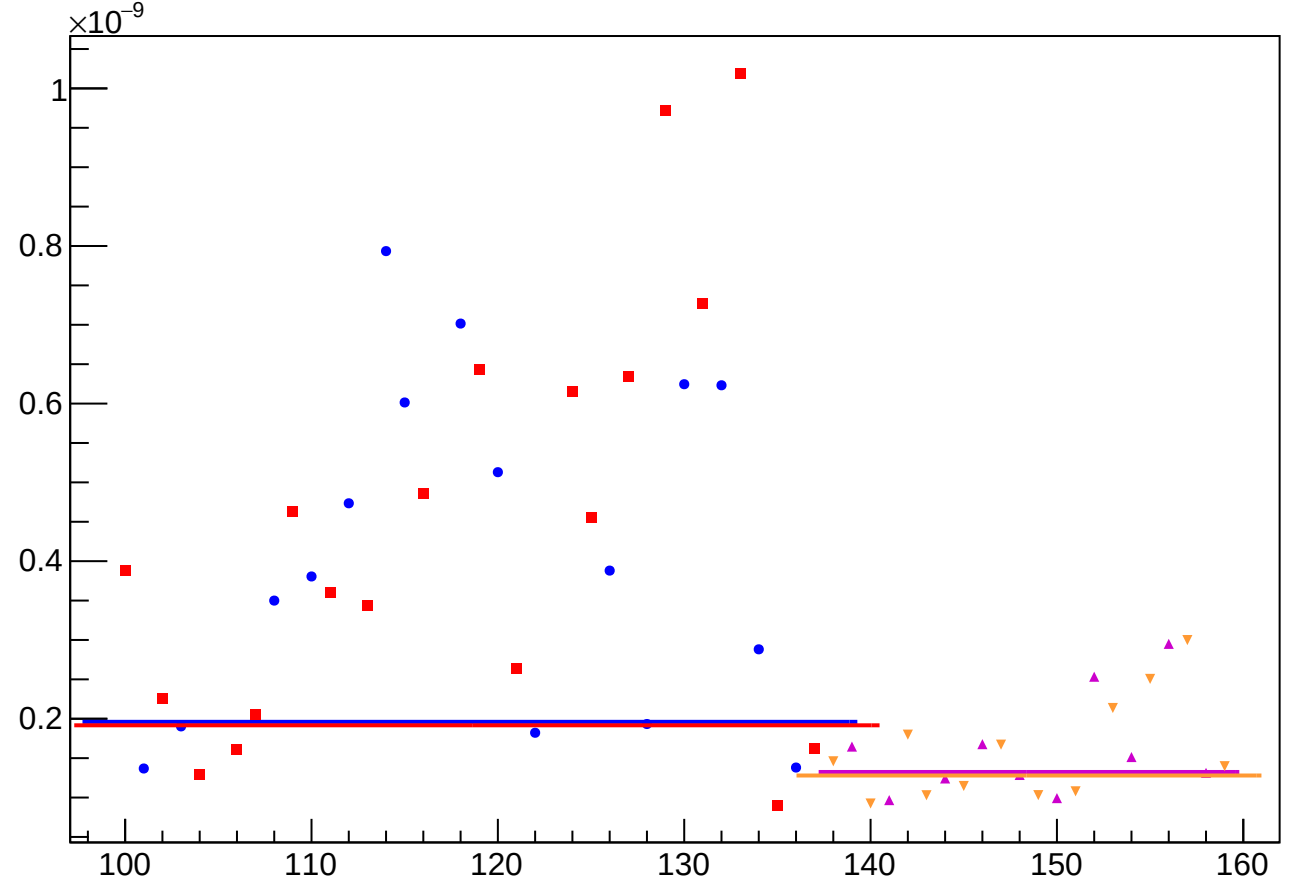
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/27

All: -0.000+/-0.000 χ^2/NDF: 45.8/56

- sign 0.000+/-0.000 χ^2/NDF: 26.0/28



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

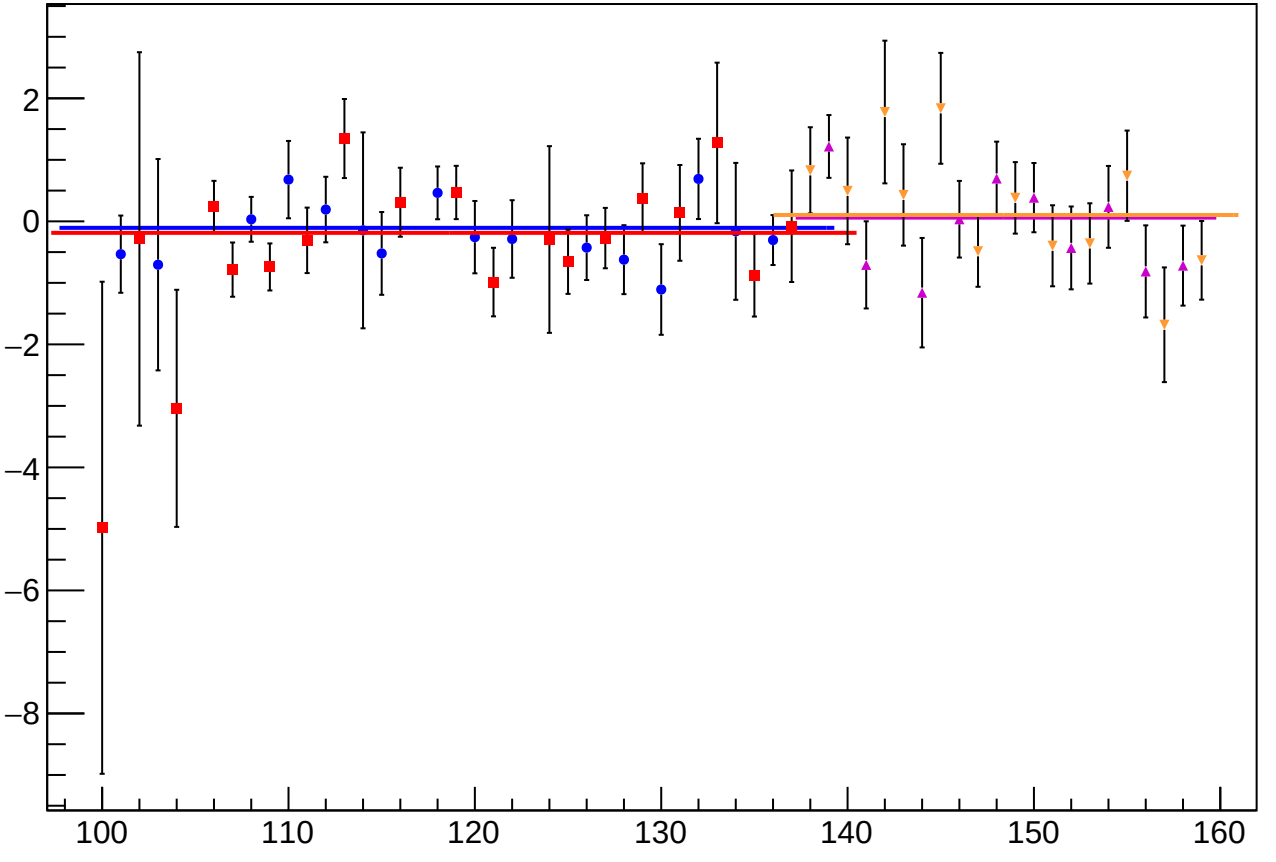
Left In: 0.000+/-0.000 χ^2/NDF:516161.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 2469951.8/27

All: 0.000+/-0.000 χ^2/NDF: 5331238.9/56

- sign 0.000+/-0.000 χ^2/NDF: 2858140.0/28

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

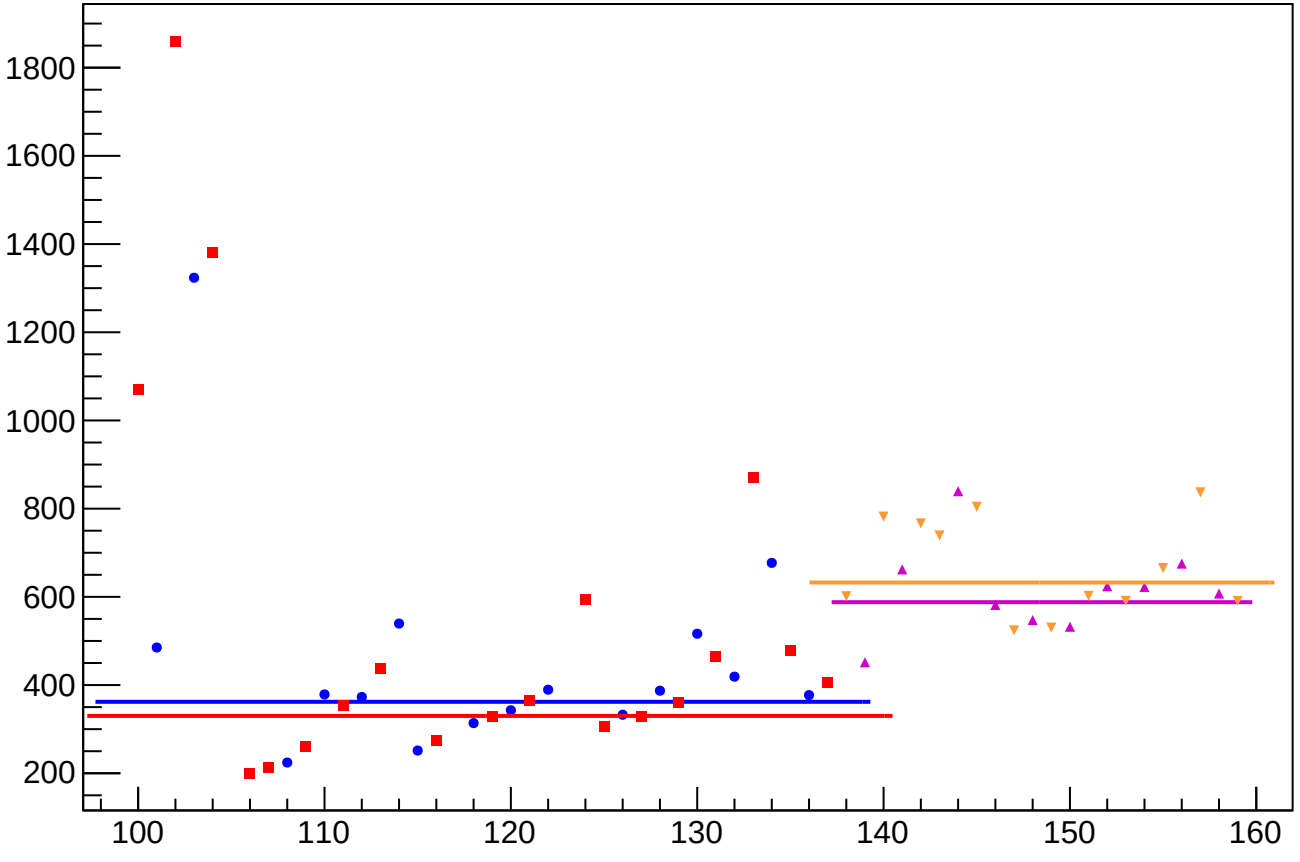
Left In: 0.061+/-0.203 χ^2/NDF:13.1/9

+ sign -0.038+/-0.119 χ^2/NDF: 25.7/27

All: -0.075+/-0.082 χ^2/NDF: 63.8/56

- sign -0.109+/-0.114 χ^2/NDF: 37.9/28

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

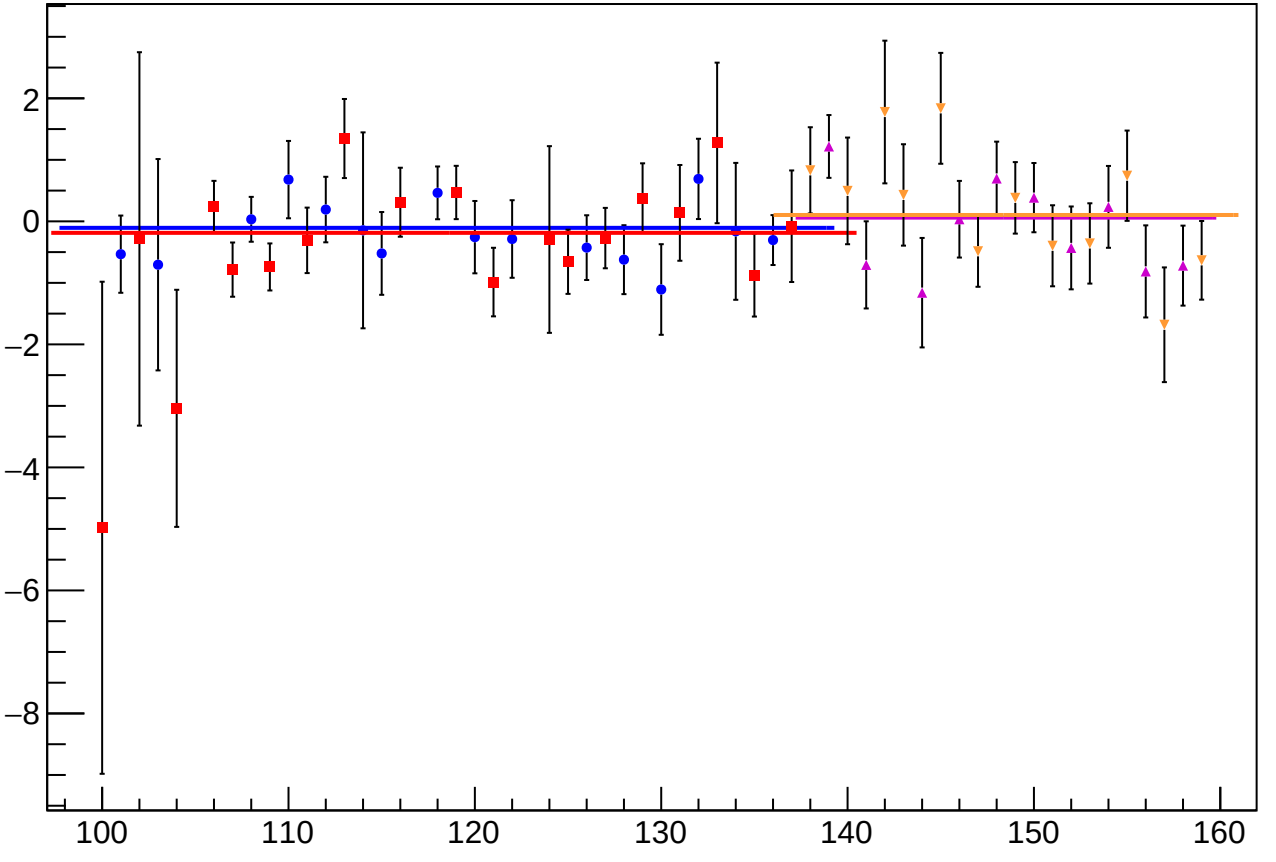
Left In: 587.918+/-0.144 χ^2/NDF:393671.3/9

+ sign 449.658+/-0.084 χ^2/NDF: 4091982.9/27

All: 429.480+/-0.058 χ^2/NDF: 9052456.8/56

- sign 411.010+/-0.080 χ^2/NDF: 4850276.0/28

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

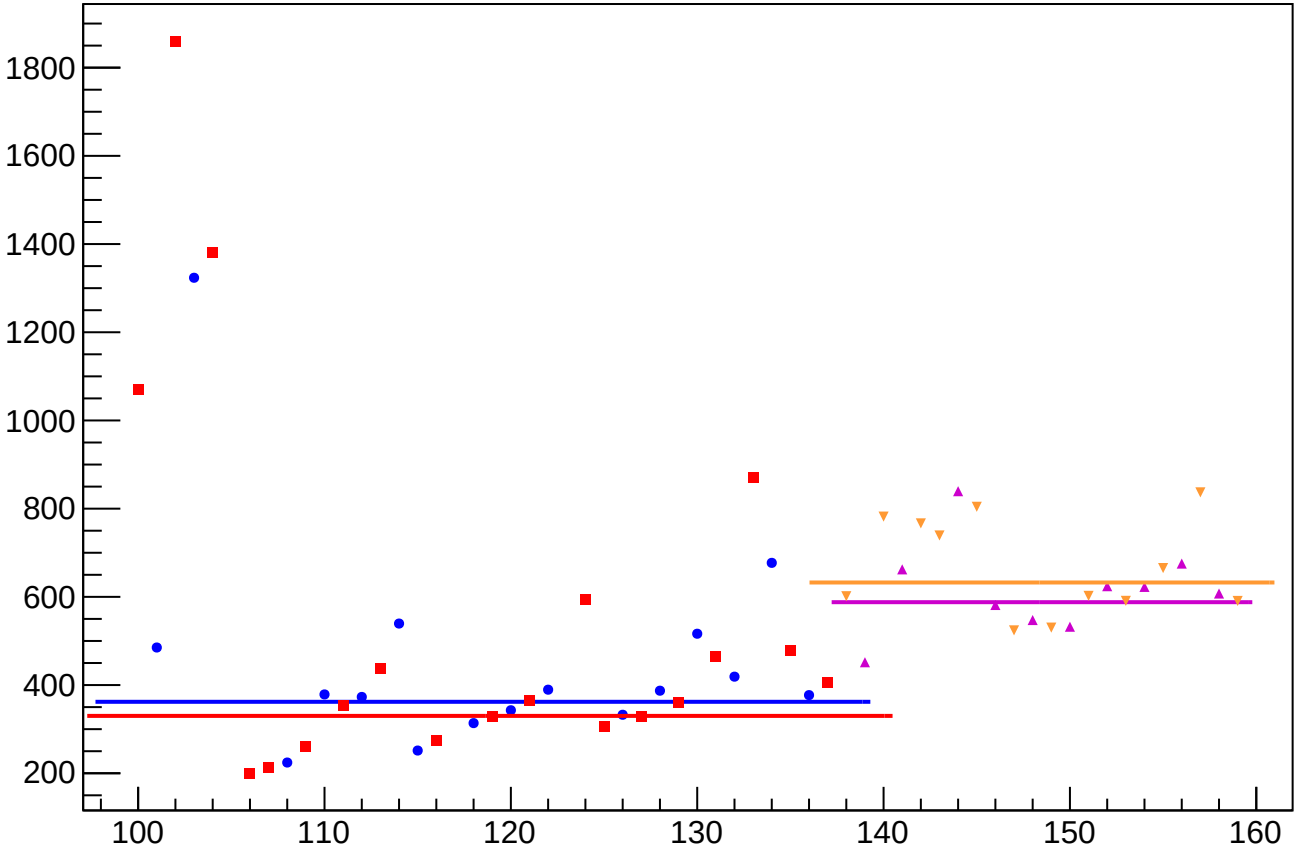
Left In: 0.061+/-0.203 χ^2/NDF:13.1/9

+ sign -0.038+/-0.119 χ^2/NDF: 25.7/27

All: -0.075+/-0.082 χ^2/NDF: 63.8/56

- sign -0.109+/-0.114 χ^2/NDF: 37.9/28

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

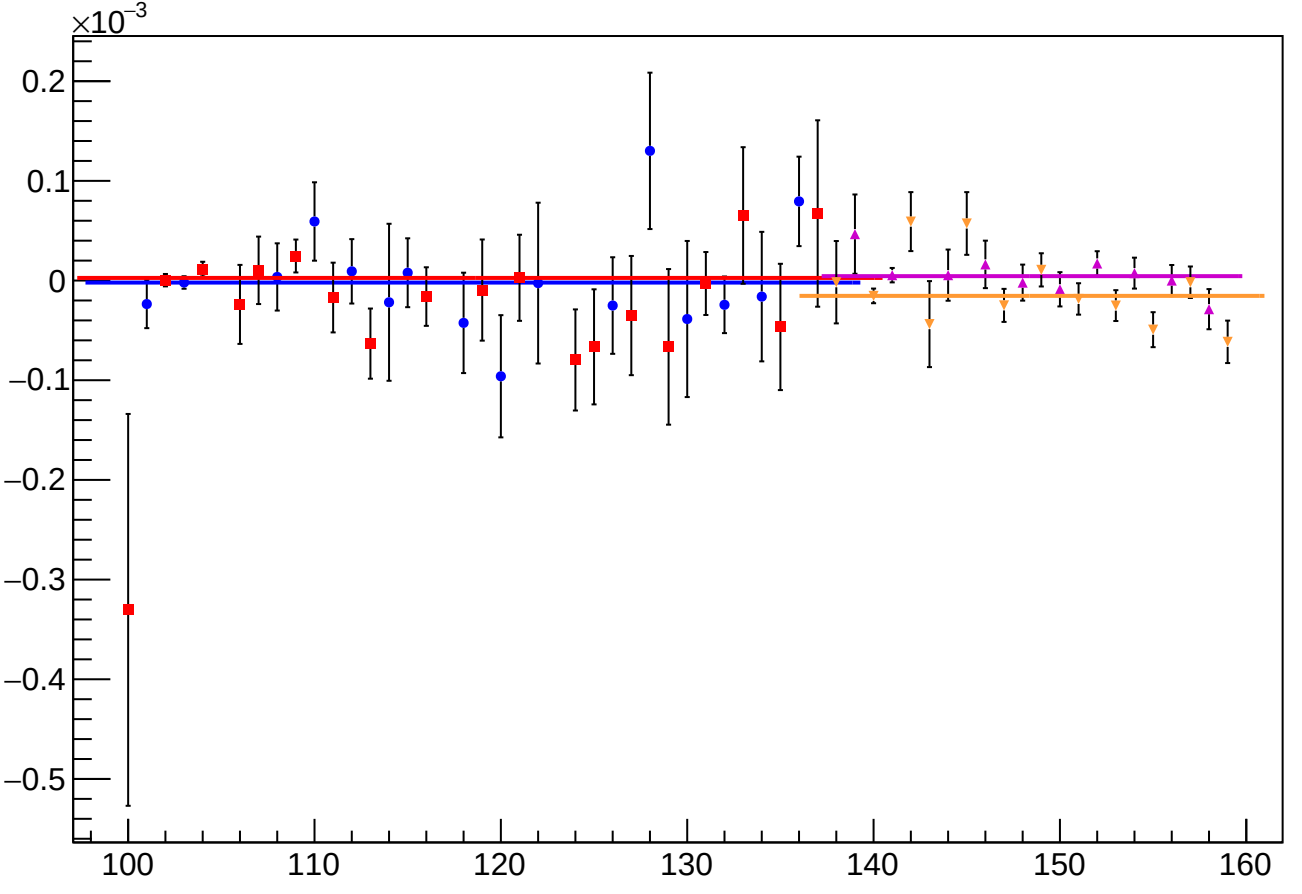
Left In: 587.918+/-0.144 χ^2/NDF:393671.3/9

+ sign 449.658+/-0.084 χ^2/NDF: 4091982.9/27

All: 429.480+/-0.058 χ^2/NDF: 9052456.8/56

- sign 411.010+/-0.080 χ^2/NDF: 4850276.0/28

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

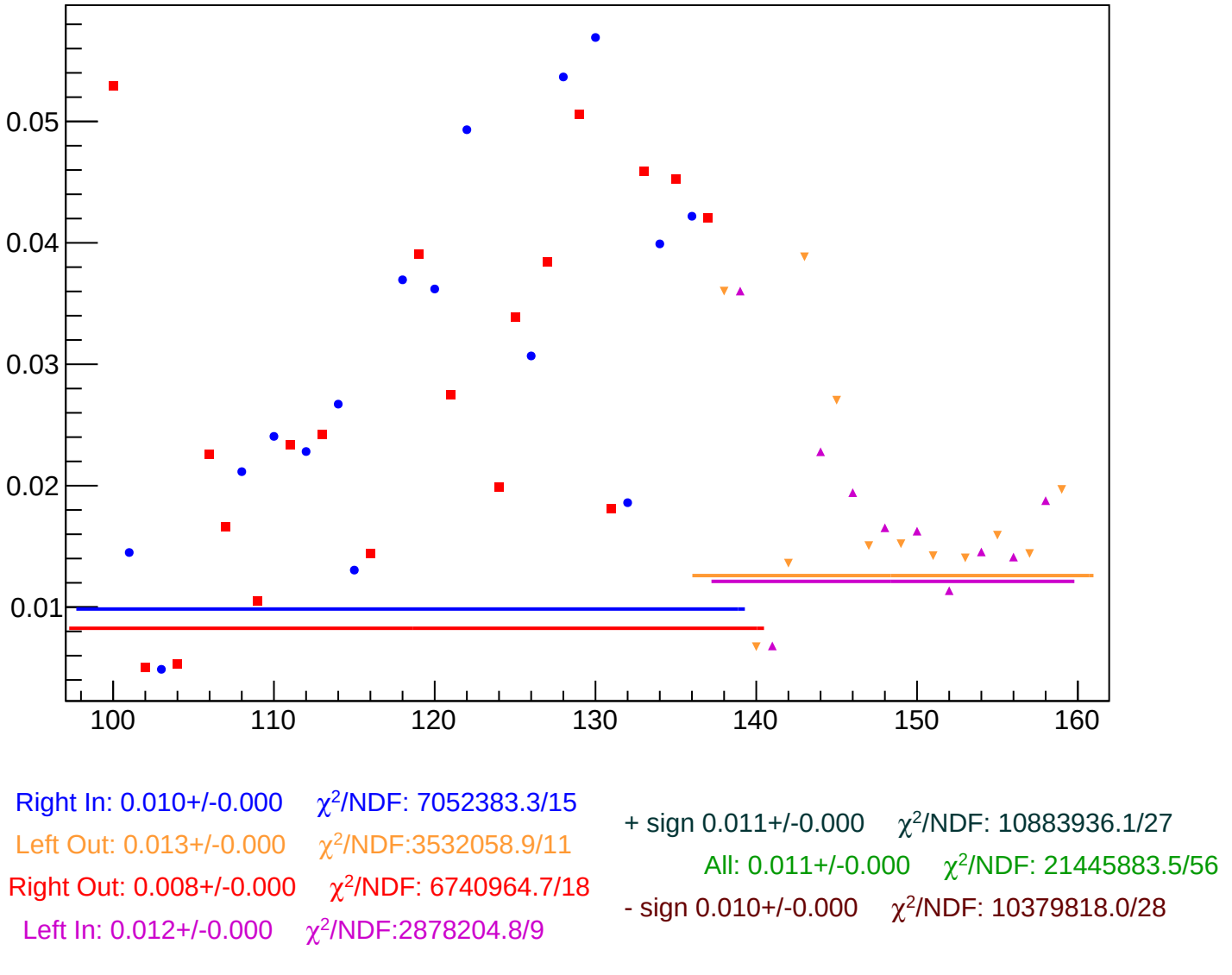
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

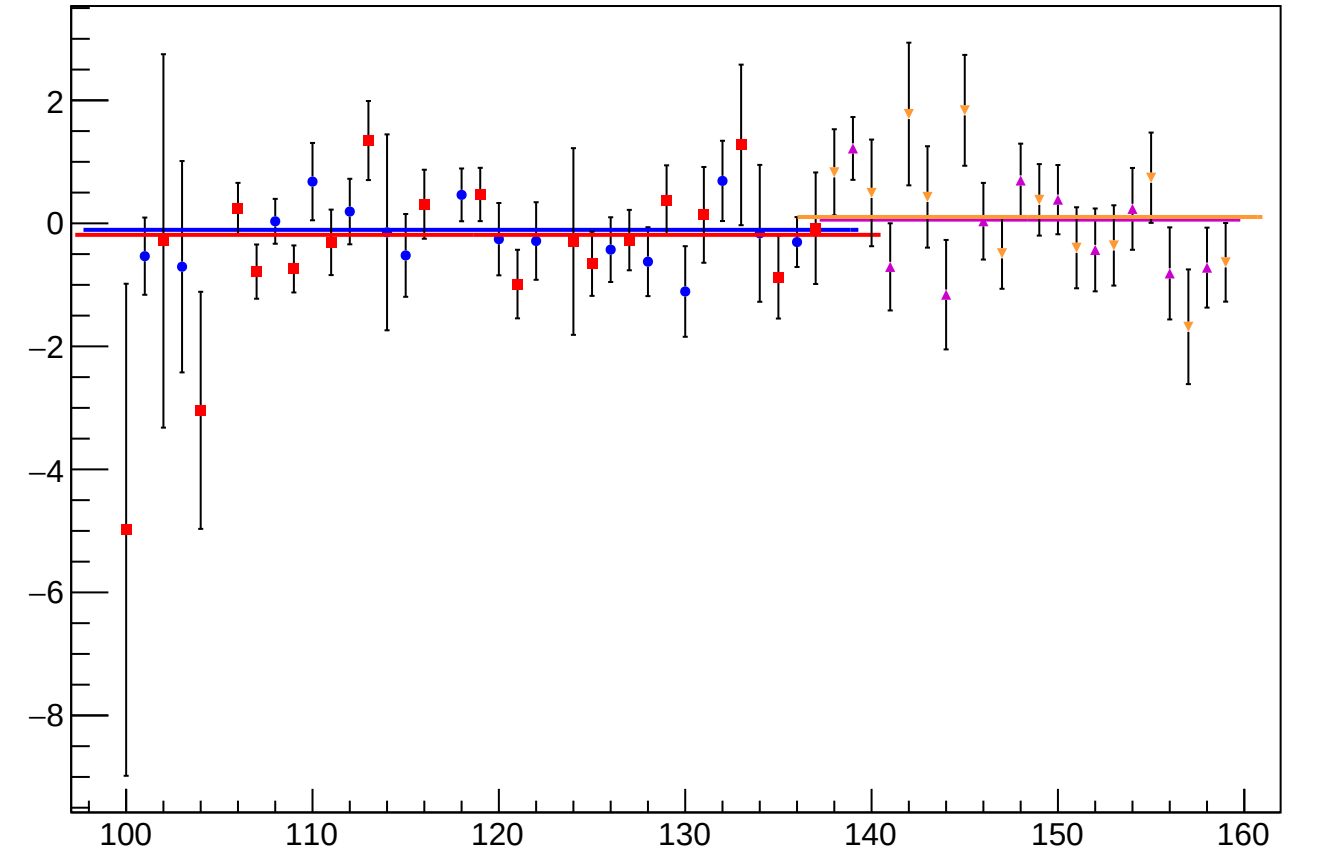
Left In: 0.000+/-0.000 χ^2/NDF:6.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/27

All: -0.000+/-0.000 χ^2/NDF: 74.0/56

- sign 0.000+/-0.000 χ^2/NDF: 24.3/28


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.013+/-0.000 χ²/NDF:3532058.9/11
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.012+/-0.000 χ²/NDF:2878204.8/9
+ sign 0.011+/-0.000 χ²/NDF: 10883936.1/27
All: 0.011+/-0.000 χ²/NDF: 21445883.5/56
- sign 0.010+/-0.000 χ²/NDF: 10379818.0/28



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

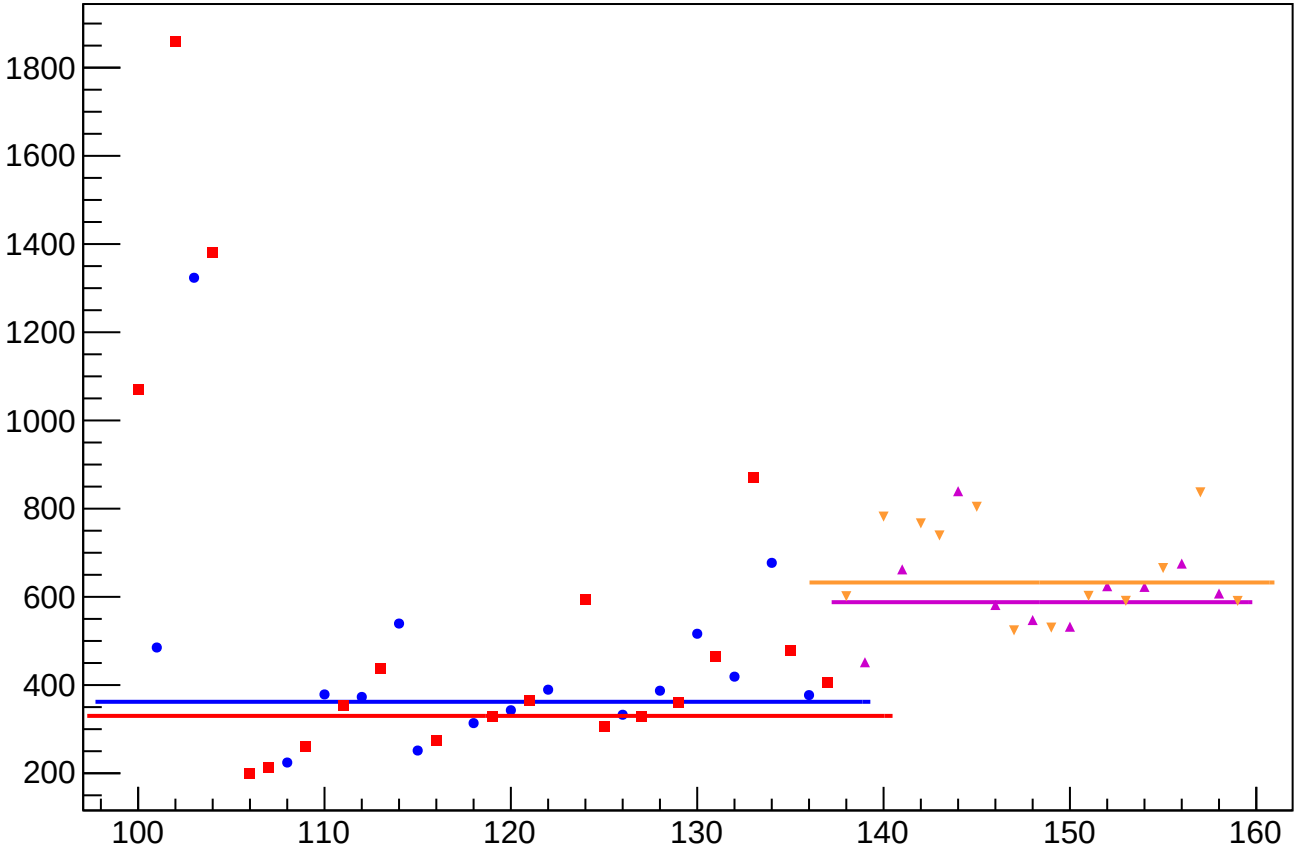
Left In: 0.061+/-0.203 χ^2/NDF:13.1/9

+ sign -0.038+/-0.119 χ^2/NDF: 25.7/27

All: -0.075+/-0.082 χ^2/NDF: 63.8/56

- sign -0.109+/-0.114 χ^2/NDF: 37.9/28

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

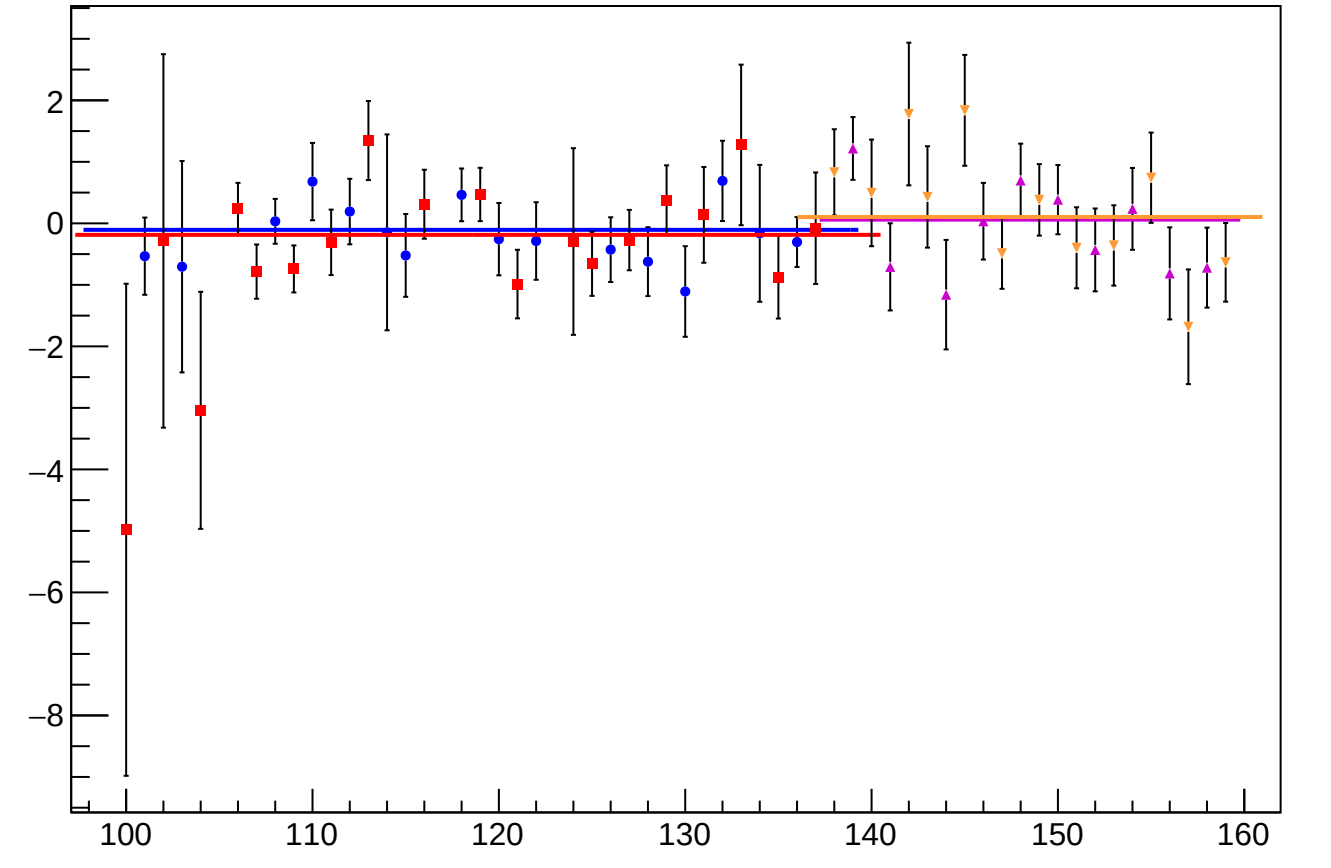
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 587.926+/-0.144 χ^2/NDF:393646.1/9

+ sign 449.657+/-0.084 χ^2/NDF: 4092121.6/27

All: 429.479+/-0.058 χ^2/NDF: 9052679.0/56

- sign 411.010+/-0.080 χ^2/NDF: 4850365.7/28



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

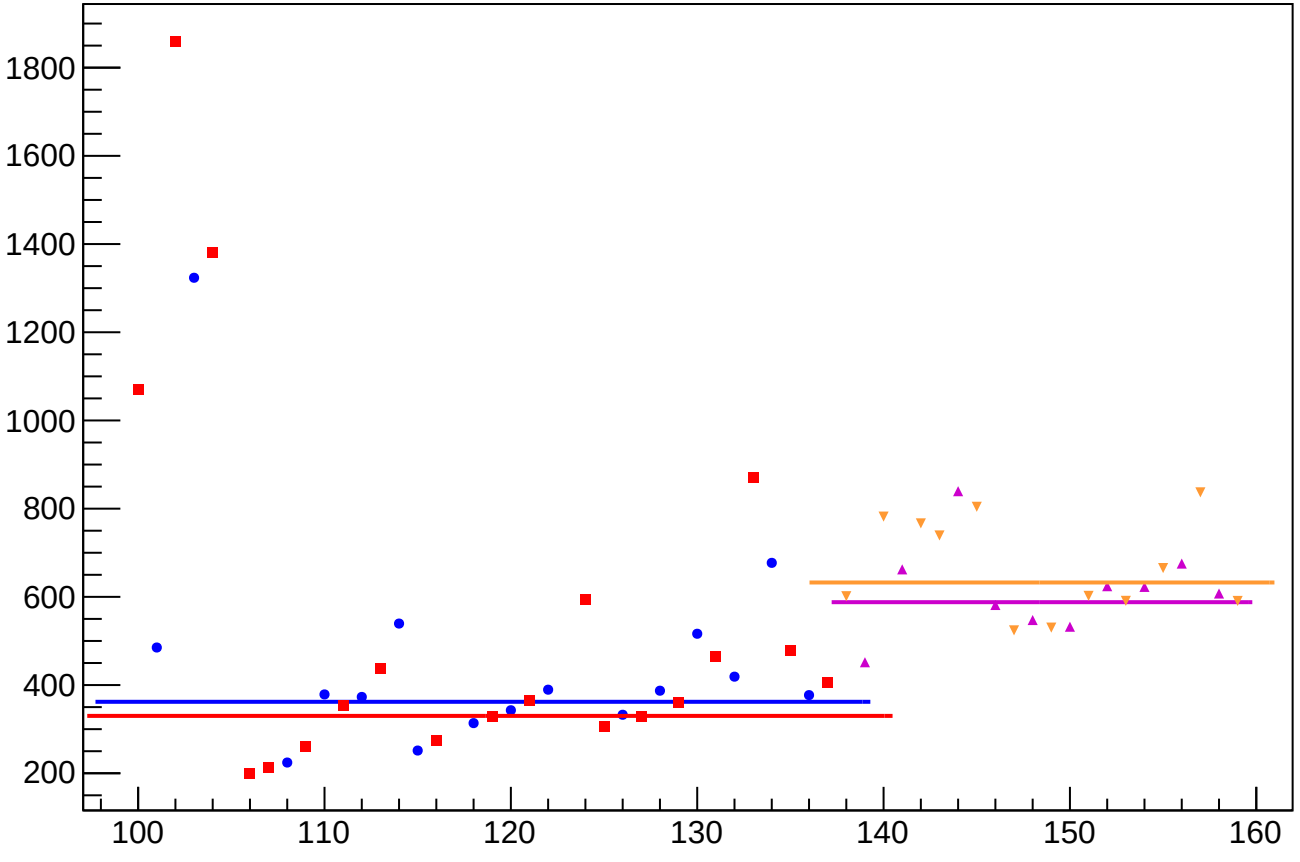
Left In: 0.061+/-0.203 χ^2/NDF:13.1/9

+ sign -0.038+/-0.119 χ^2/NDF: 25.7/27

All: -0.075+/-0.082 χ^2/NDF: 63.8/56

- sign -0.109+/-0.114 χ^2/NDF: 37.9/28

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

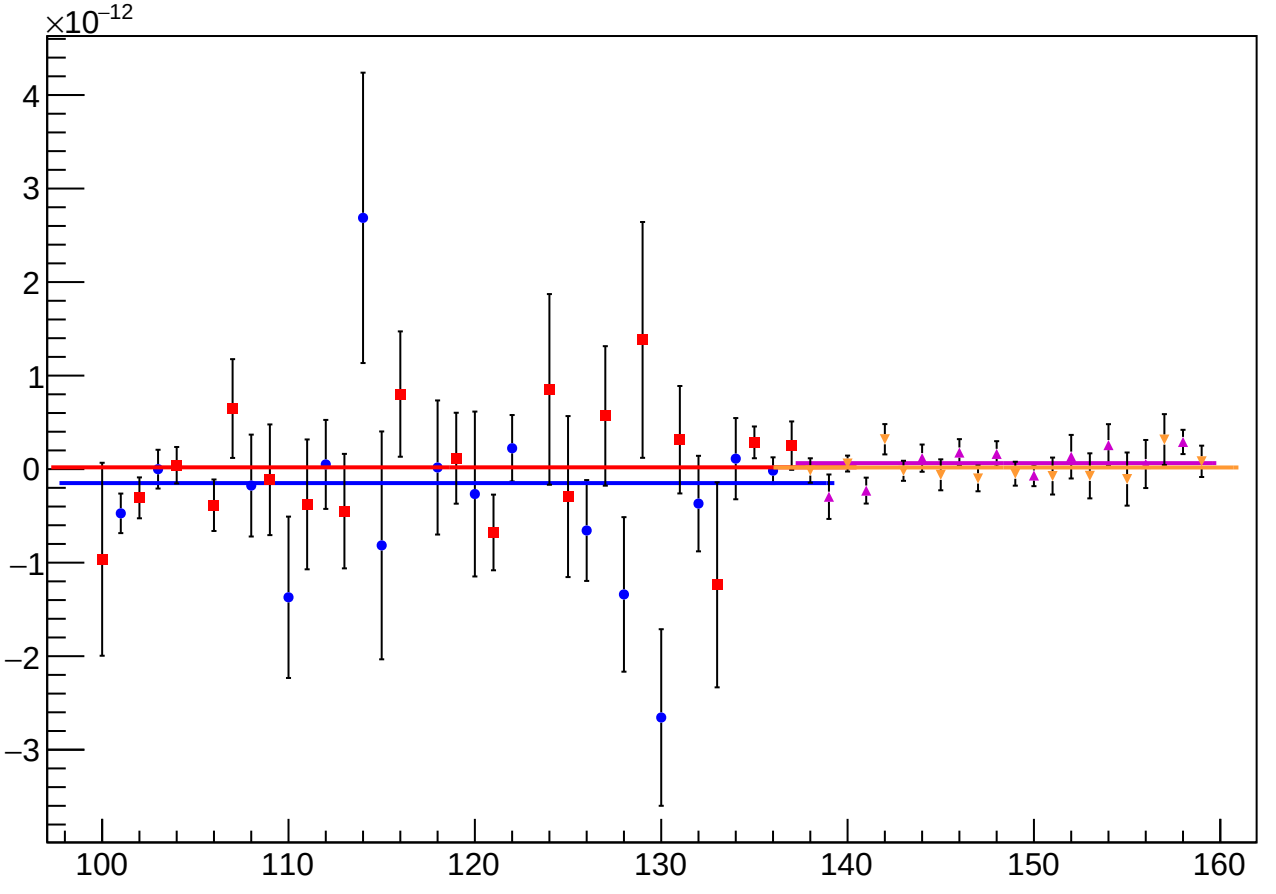
Left In: 587.926+/-0.144 χ^2/NDF:393646.1/9

+ sign 449.657+/-0.084 χ^2/NDF: 4092121.6/27

All: 429.479+/-0.058 χ^2/NDF: 9052679.0/56

- sign 411.010+/-0.080 χ^2/NDF: 4850365.7/28

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

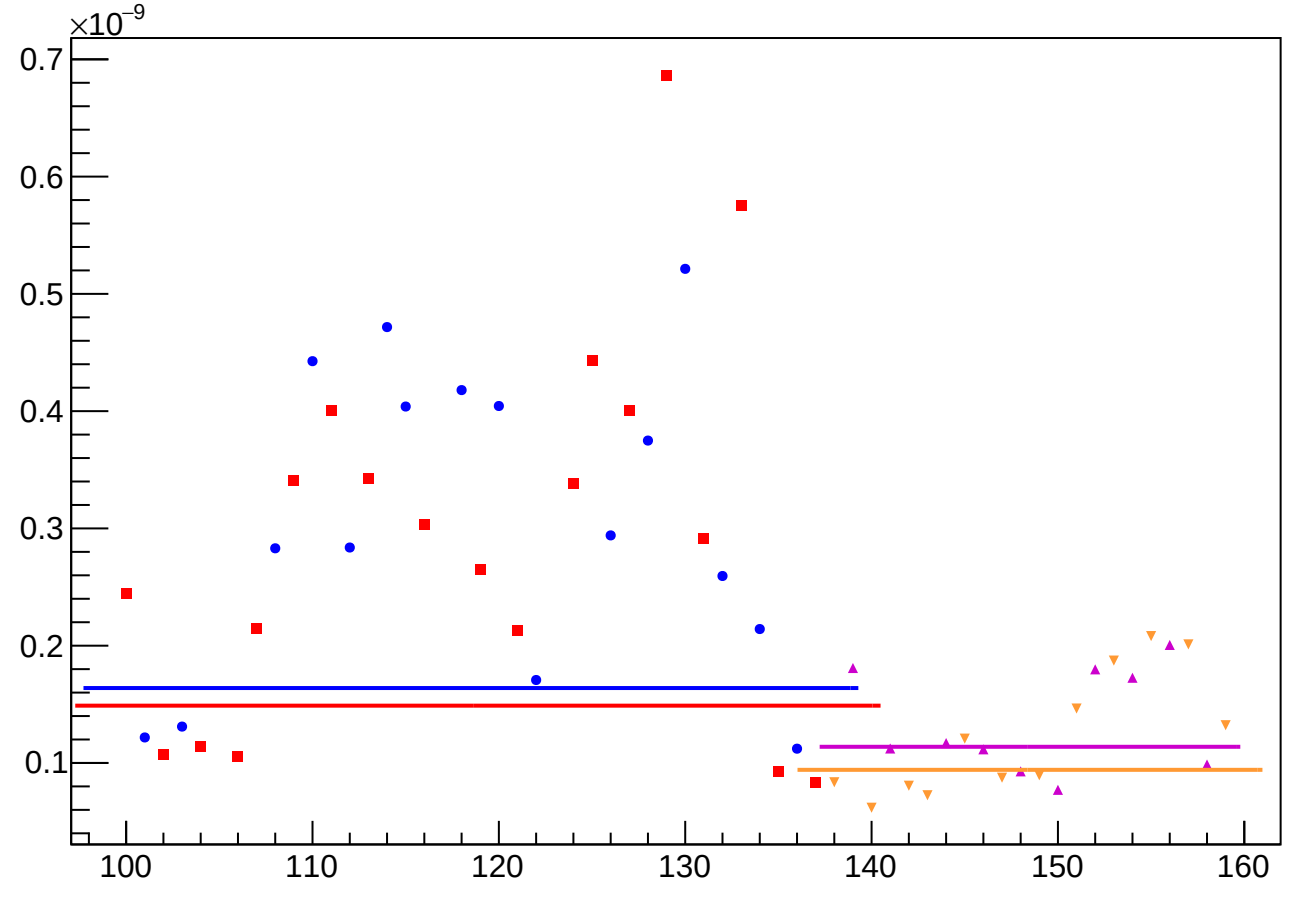
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/27

All: 0.000+/-0.000 χ^2/NDF: 65.5/56

- sign 0.000+/-0.000 χ^2/NDF: 32.9/28



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

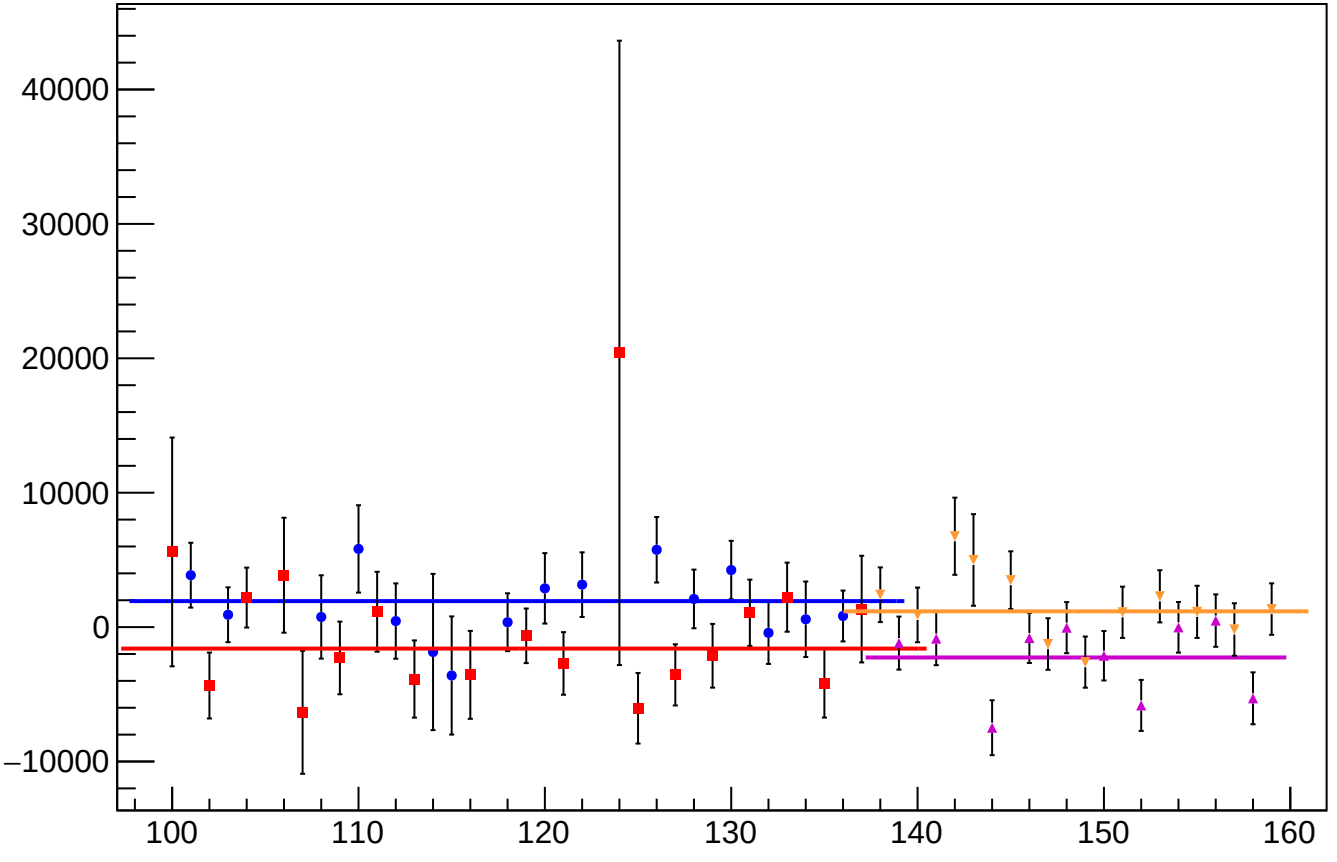
Left In: 0.000+/-0.000 χ^2/NDF:971864.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 4680681.1/27

All: 0.000+/-0.000 χ^2/NDF: 8915363.4/56

- sign 0.000+/-0.000 χ^2/NDF: 4079380.9/28

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

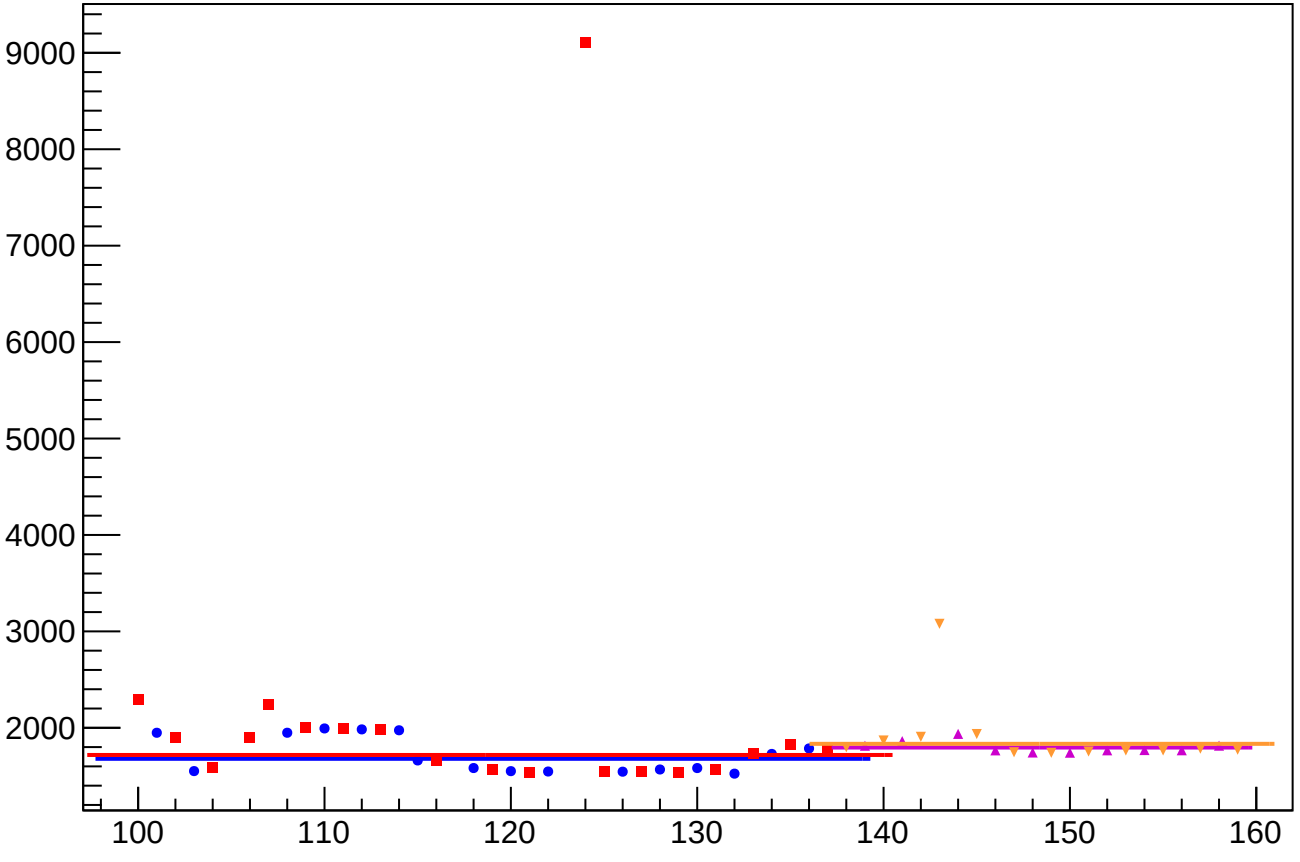
Left In: -2259.345+/-608.193 χ^2/NDF:18.7/9

+ sign 1535.769+/-433.065 χ^2/NDF: 24.6/27

All: -171.482+/-309.194 χ^2/NDF: 95.0/56

- sign -1946.630+/-441.593 χ^2/NDF: 38.7/28

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

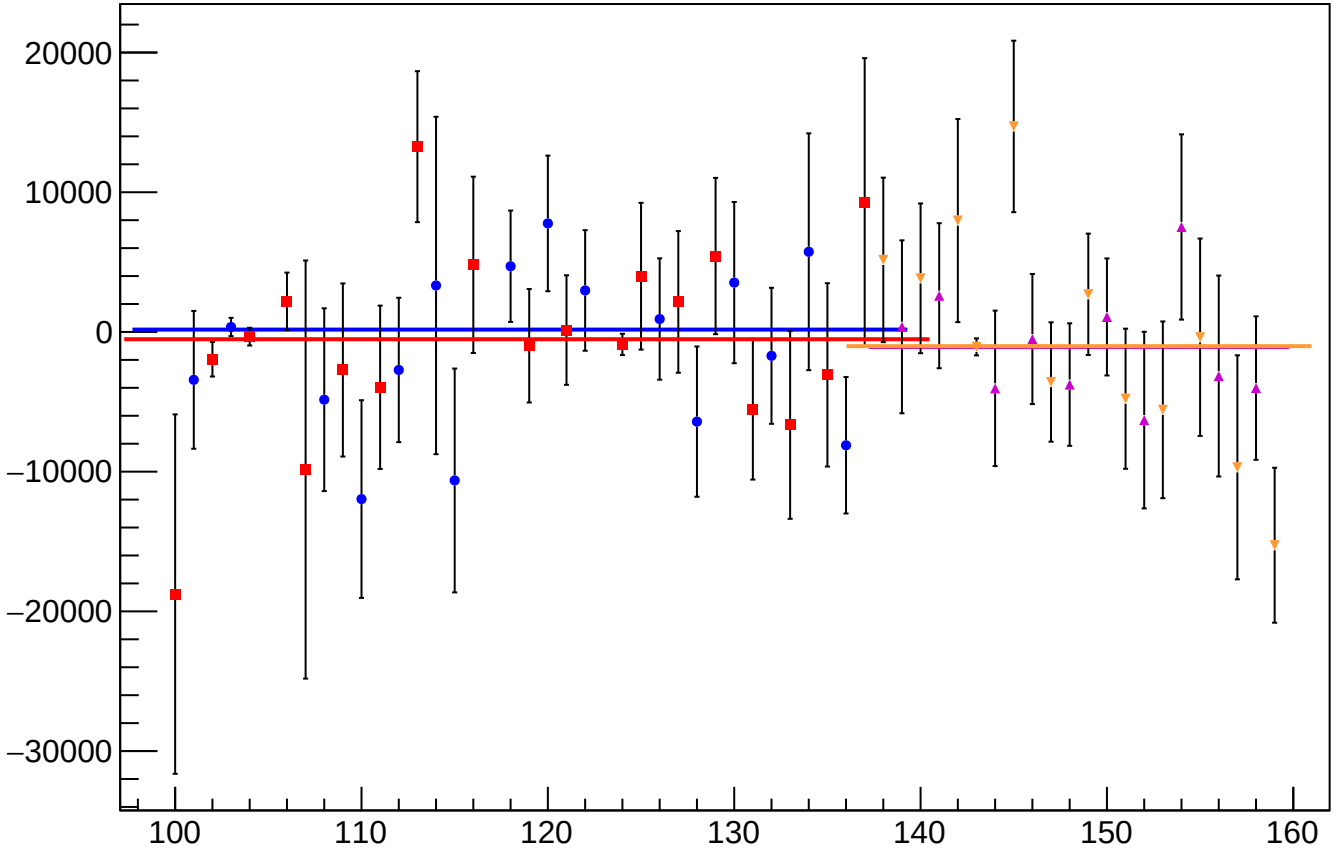
Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

+ sign 1759.949+/-0.306 χ^2/NDF: 500267.9/27

All: 1759.365+/-0.218 χ^2/NDF: 915897.7/56

- sign 1758.760+/-0.312 χ^2/NDF: 415622.5/28

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

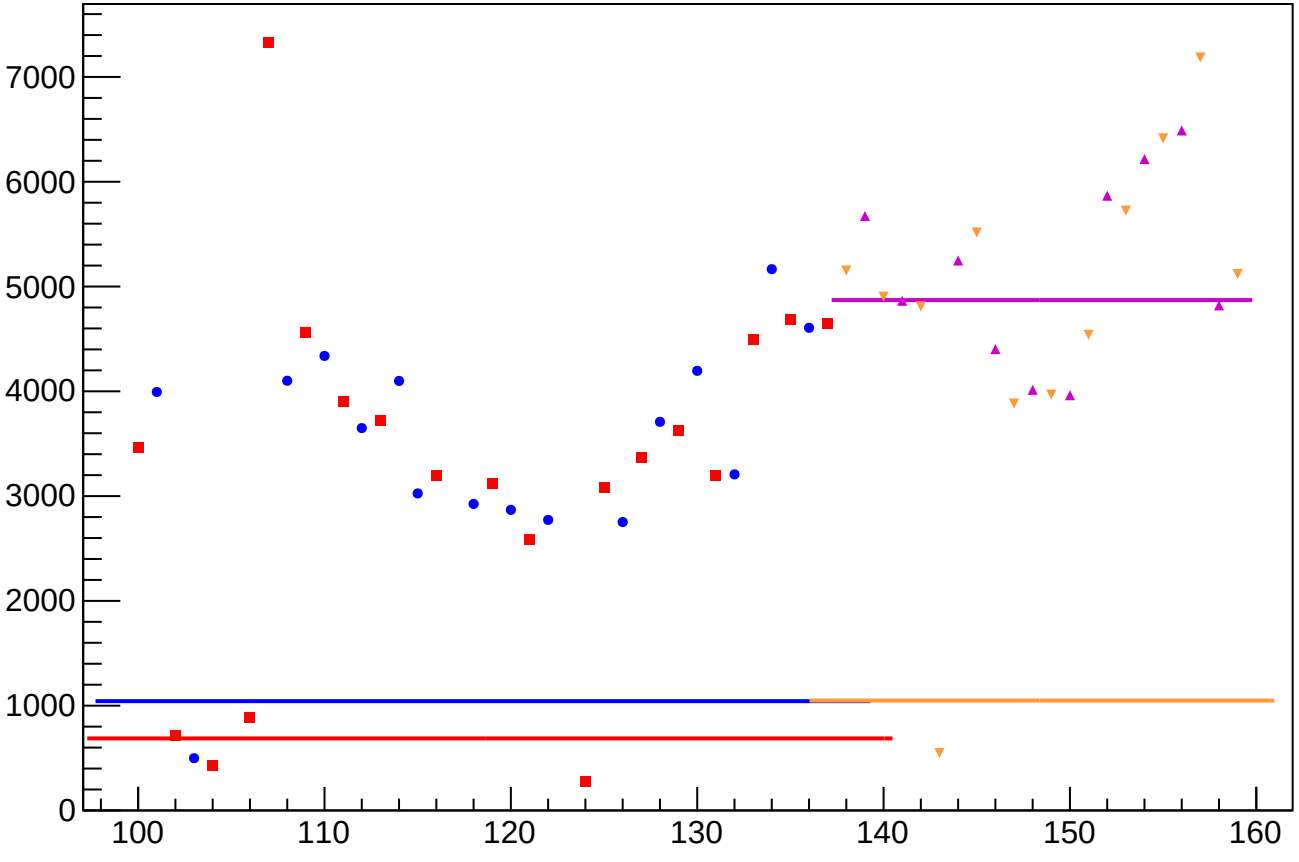
Left In: -1077.326+/-1676.613 χ^2/NDF:4.3/9

+ sign -442.089+/-412.012 χ^2/NDF: 37.9/27

All: -498.393+/-291.252 χ^2/NDF: 60.8/56

- sign -554.632+/-411.772 χ^2/NDF: 22.9/28

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

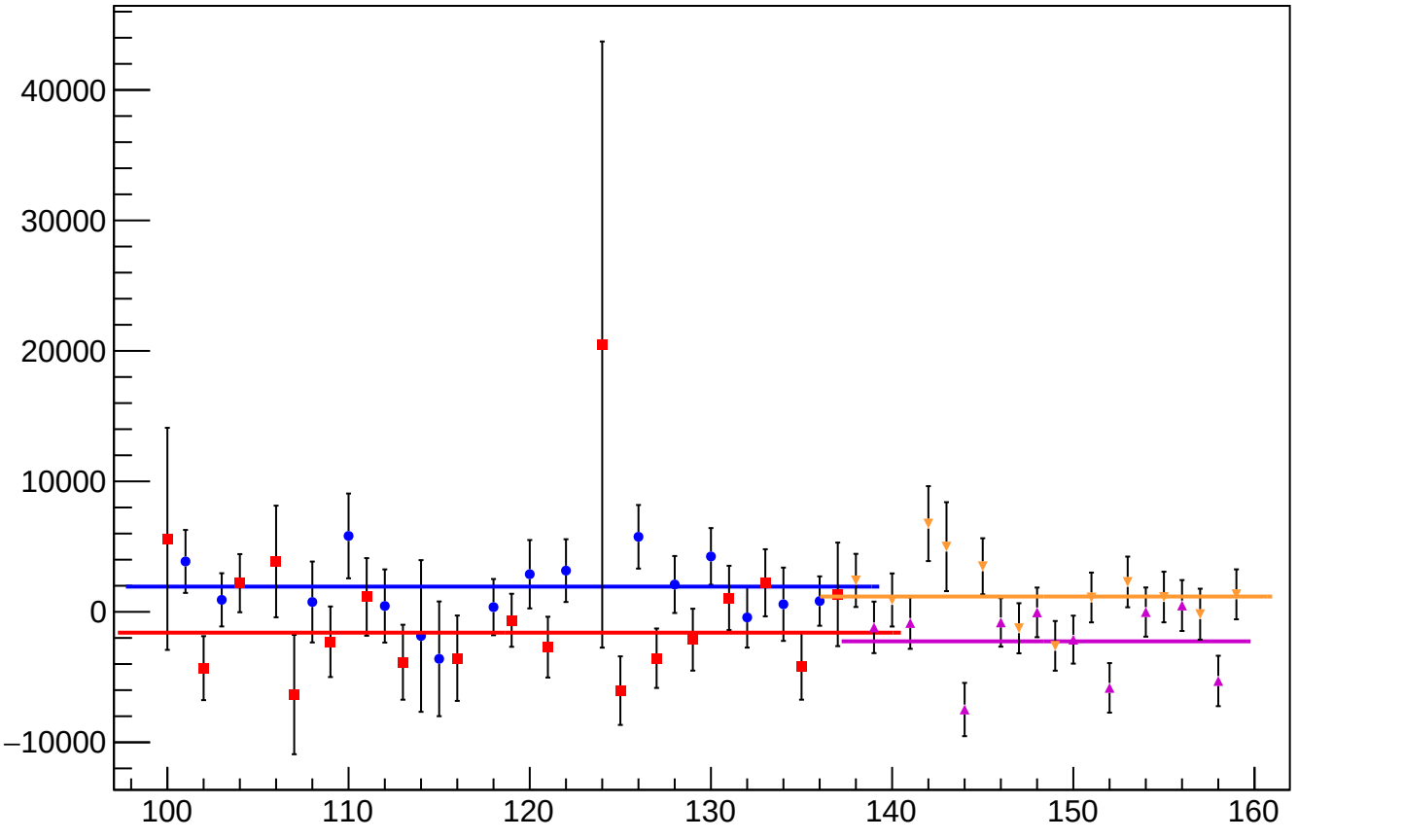
Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4870.840+/-1.186 χ^2/NDF:466835.4/9

+ sign 1045.957+/-0.291 χ^2/NDF: 20305632.1/27

All: 992.783+/-0.206 χ^2/NDF: 41171682.1/56

- sign 939.671+/-0.291 χ^2/NDF: 20799463.9/28



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

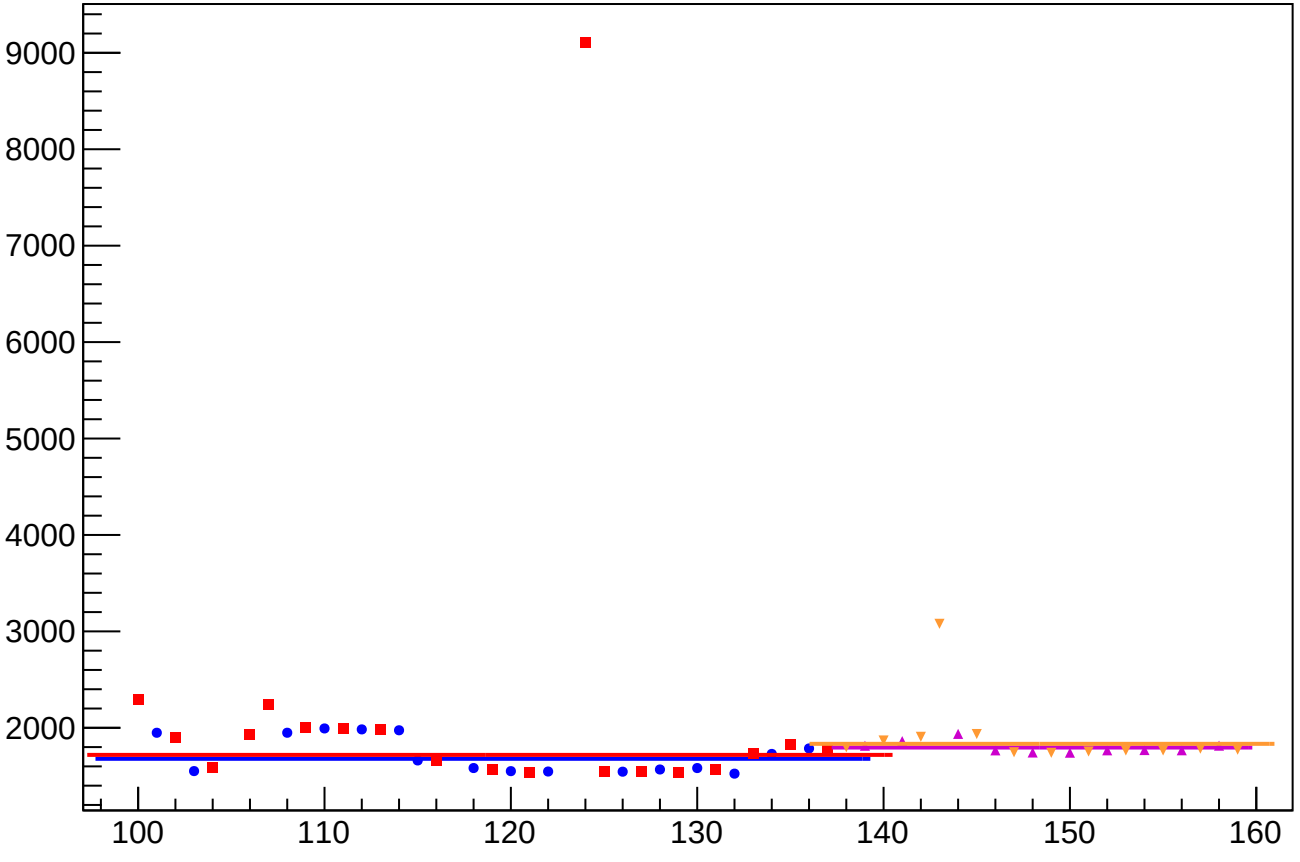
Left In: -2259.524+/-608.193 χ^2/NDF:18.7/9

+ sign 1535.823+/-433.065 χ^2/NDF: 24.6/27

All: -170.929+/-309.195 χ^2/NDF: 95.0/56

- sign -1945.574+/-441.594 χ^2/NDF: 38.7/28

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

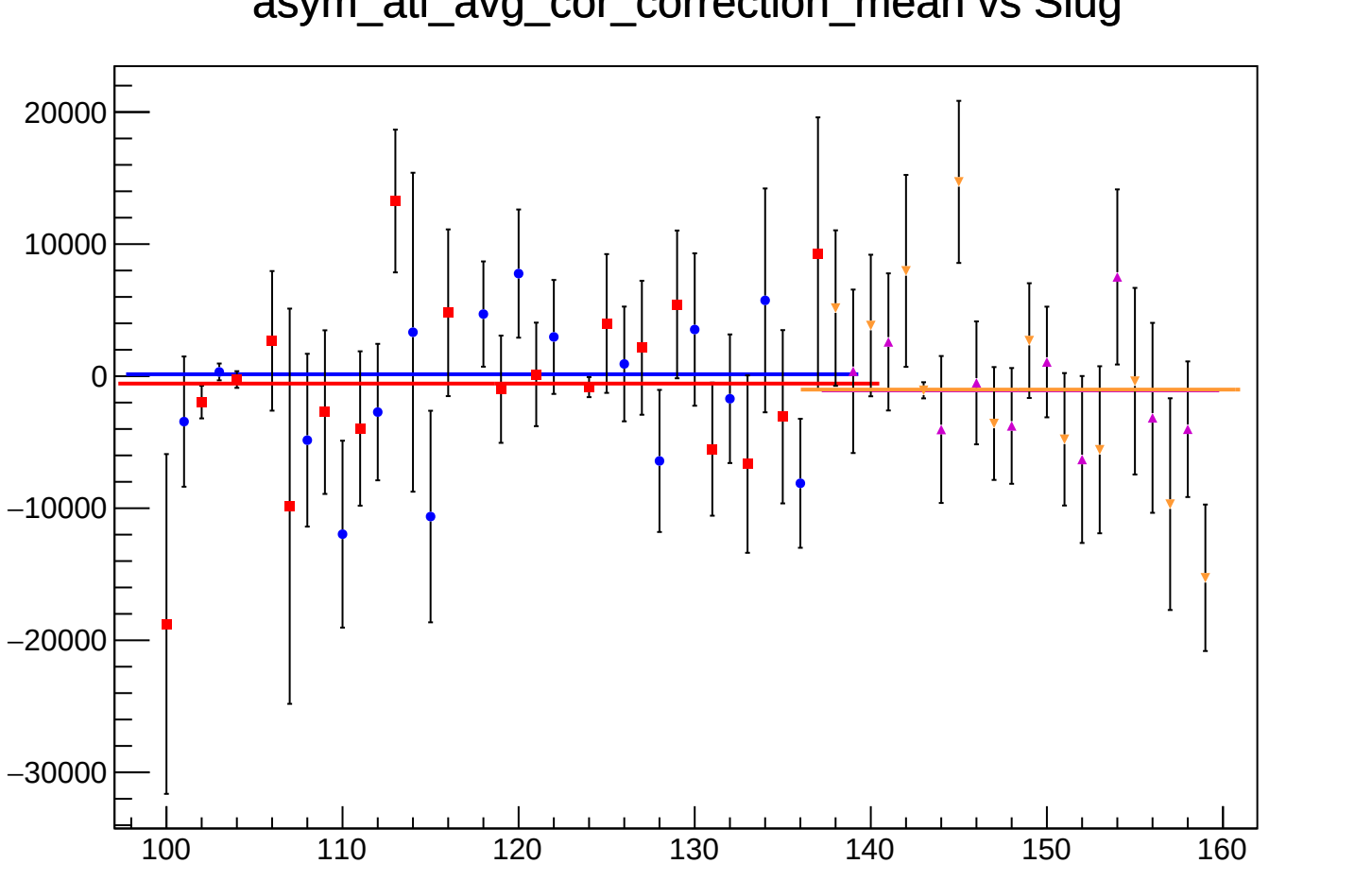
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

+ sign 1759.949+/-0.306 χ^2/NDF: 500268.1/27

All: 1759.569+/-0.218 χ^2/NDF: 917300.4/56

- sign 1759.175+/-0.312 χ^2/NDF: 417029.2/28



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

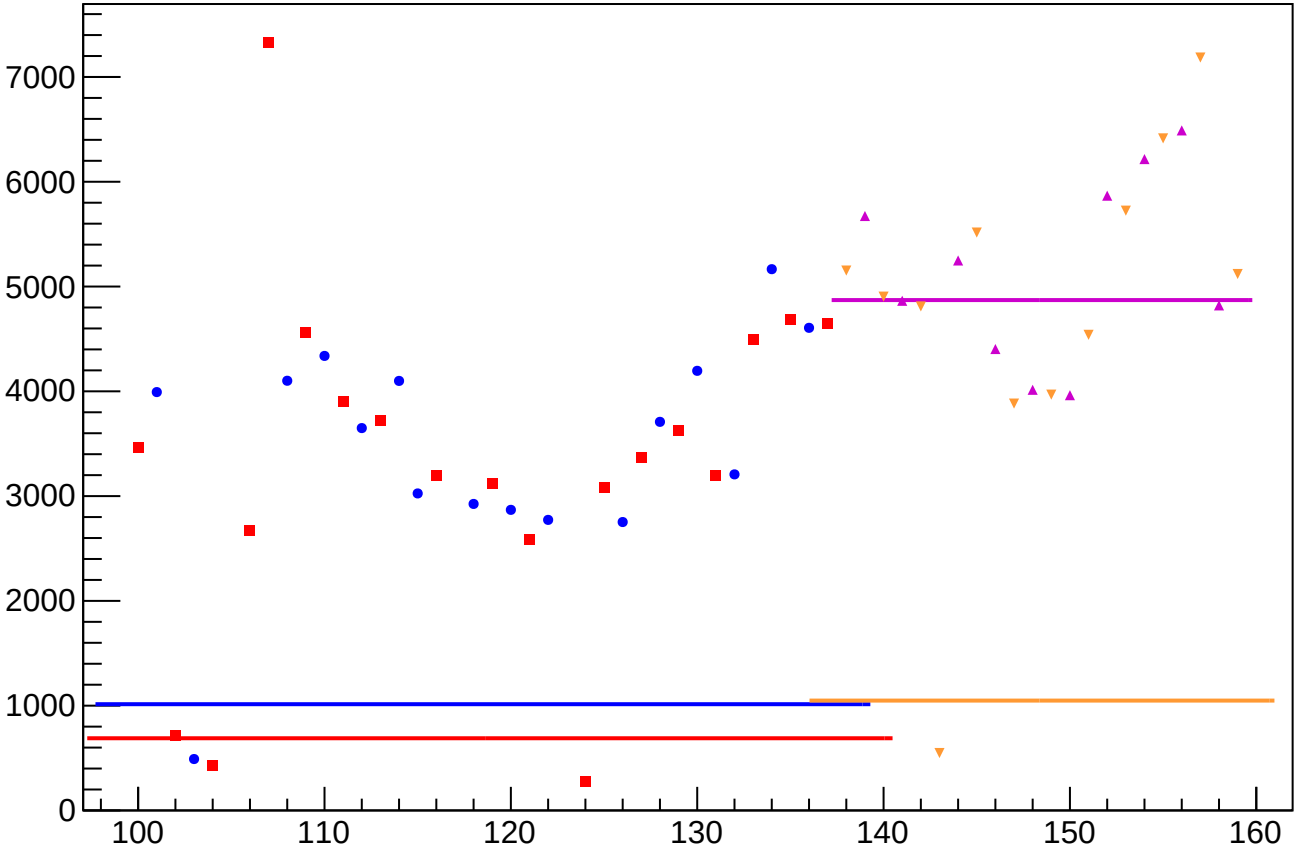
Left In: -1077.461+/-1676.611 χ^2/NDF:4.3/9

+ sign -440.307+/-407.799 χ^2/NDF: 37.8/27

All: -515.124+/-291.585 χ^2/NDF: 59.4/56

- sign -593.387+/-417.084 χ^2/NDF: 21.6/28

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

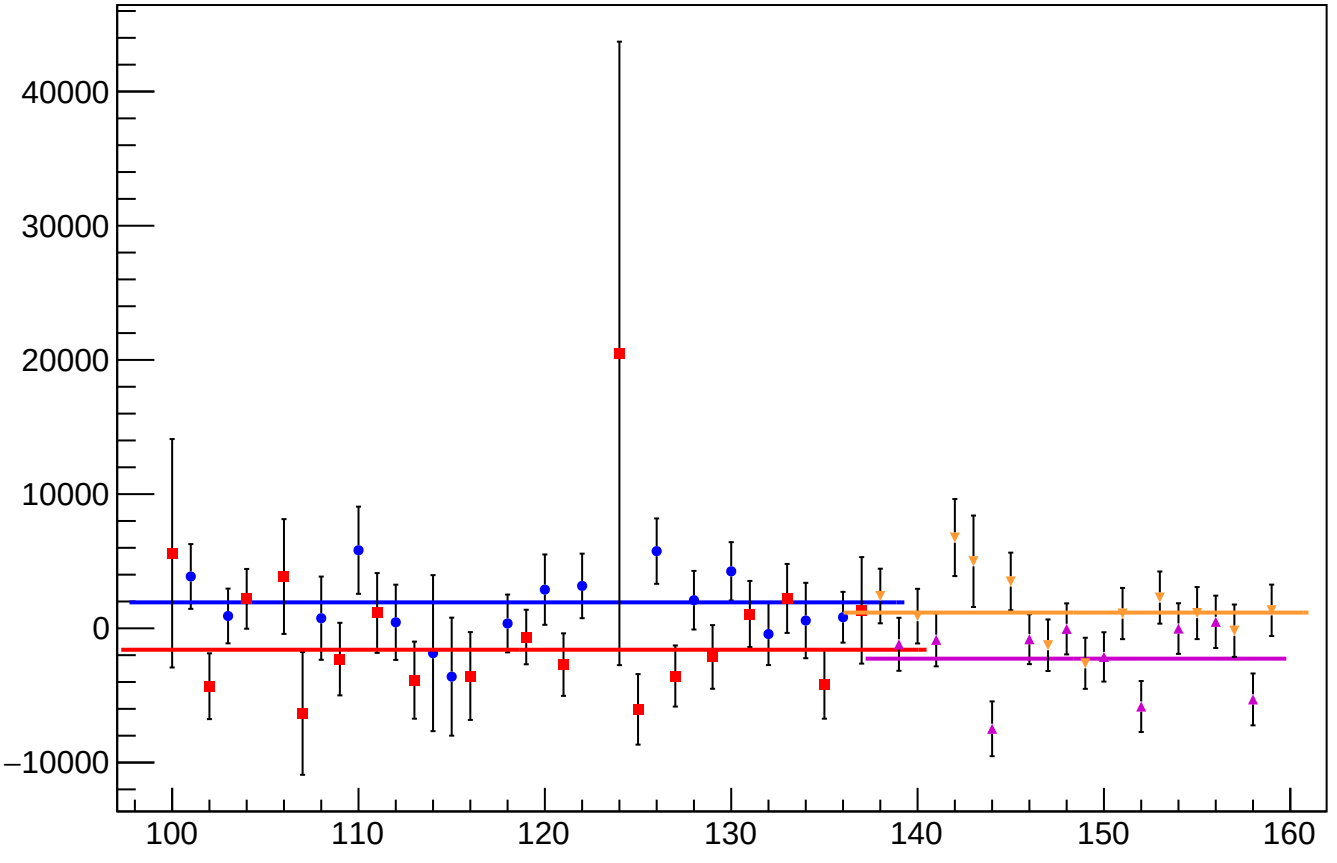
Left In: 4870.832+/-1.186 χ^2/NDF:466846.1/9

+ sign 1031.492+/-0.288 χ^2/NDF: 20420474.5/27

All: 990.609+/-0.206 χ^2/NDF: 41510761.3/56

- sign 947.842+/-0.295 χ^2/NDF: 21049157.8/28

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

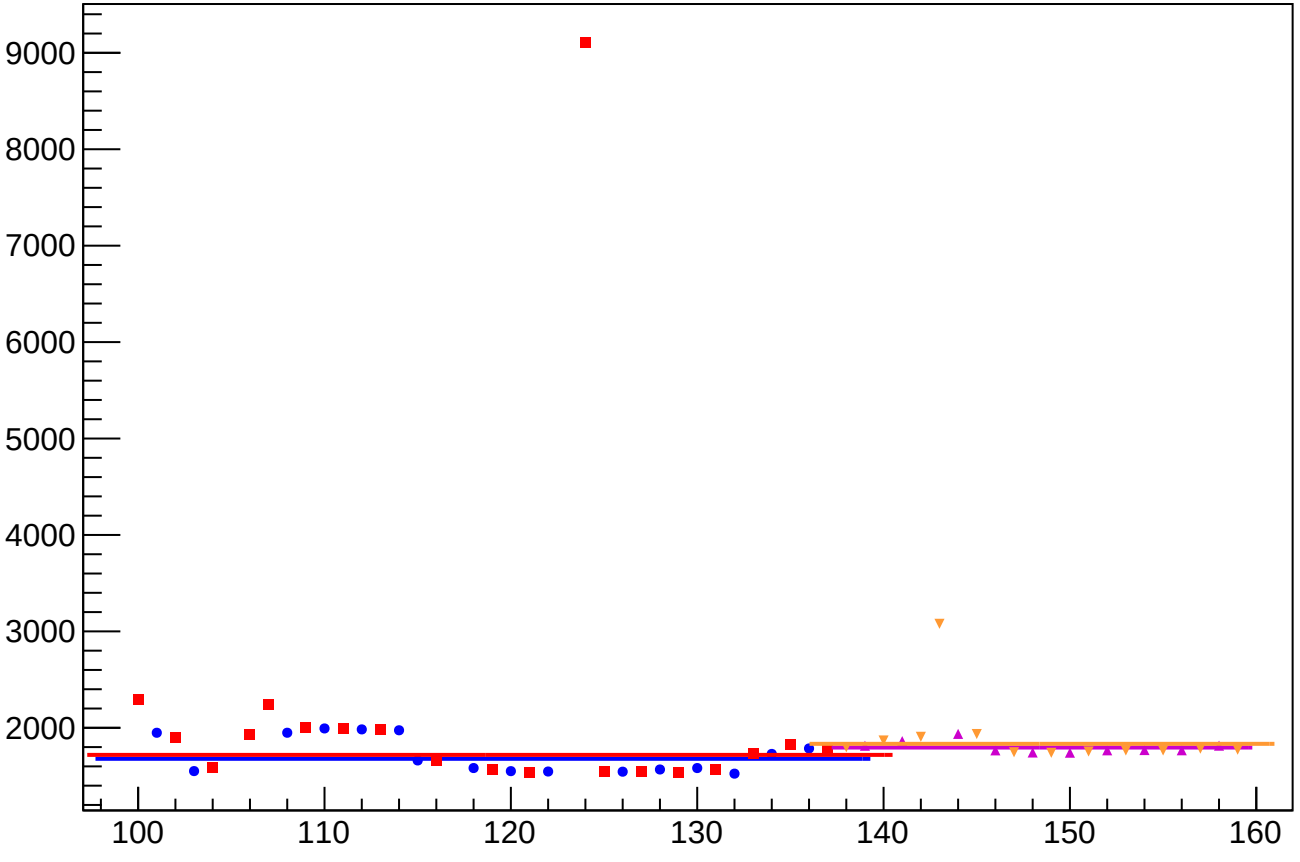
Left In: -2259.524+/-608.193 χ^2/NDF:18.7/9

+ sign 1535.823+/-433.065 χ^2/NDF: 24.6/27

All: -170.929+/-309.195 χ^2/NDF: 95.0/56

- sign -1945.574+/-441.594 χ^2/NDF: 38.7/28

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

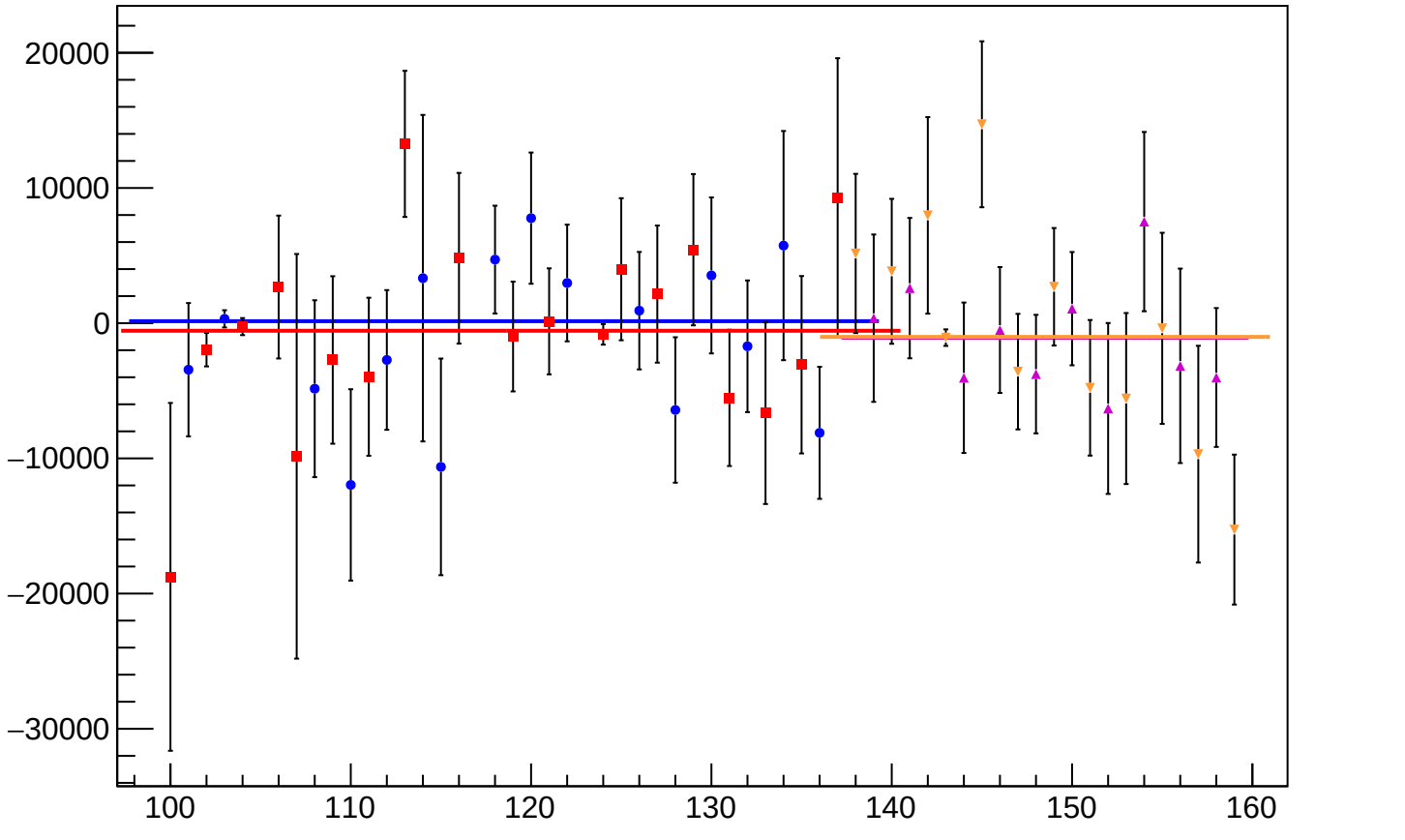
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1795.381+/-0.430 χ^2/NDF:17182.8/9

+ sign 1759.949+/-0.306 χ^2/NDF: 500268.1/27

All: 1759.569+/-0.218 χ^2/NDF: 917300.4/56

- sign 1759.175+/-0.312 χ^2/NDF: 417029.2/28



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

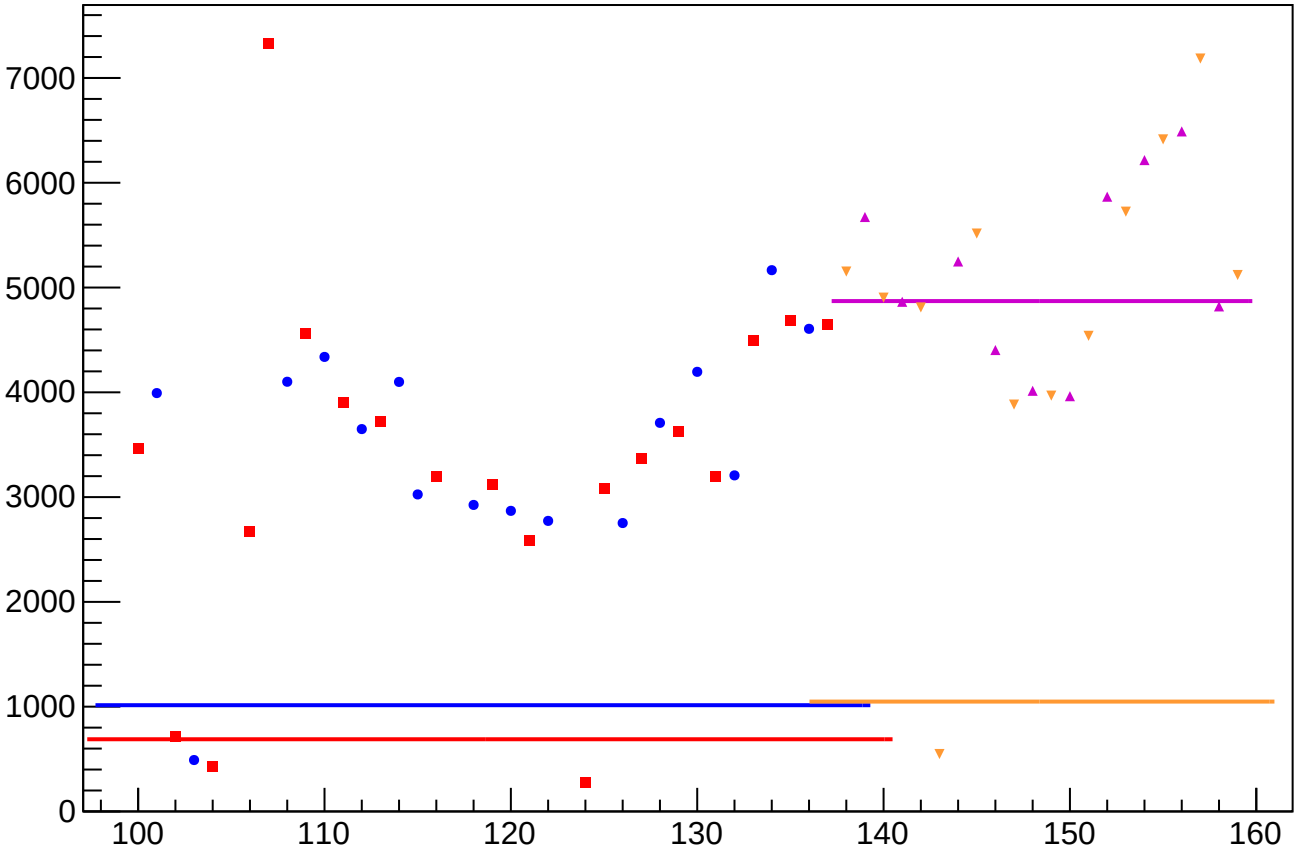
Left In: -1077.461+/-1676.611 χ^2/NDF:4.3/9

+ sign -440.307+/-407.799 χ^2/NDF: 37.8/27

All: -515.124+/-291.585 χ^2/NDF: 59.4/56

- sign -593.387+/-417.084 χ^2/NDF: 21.6/28

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

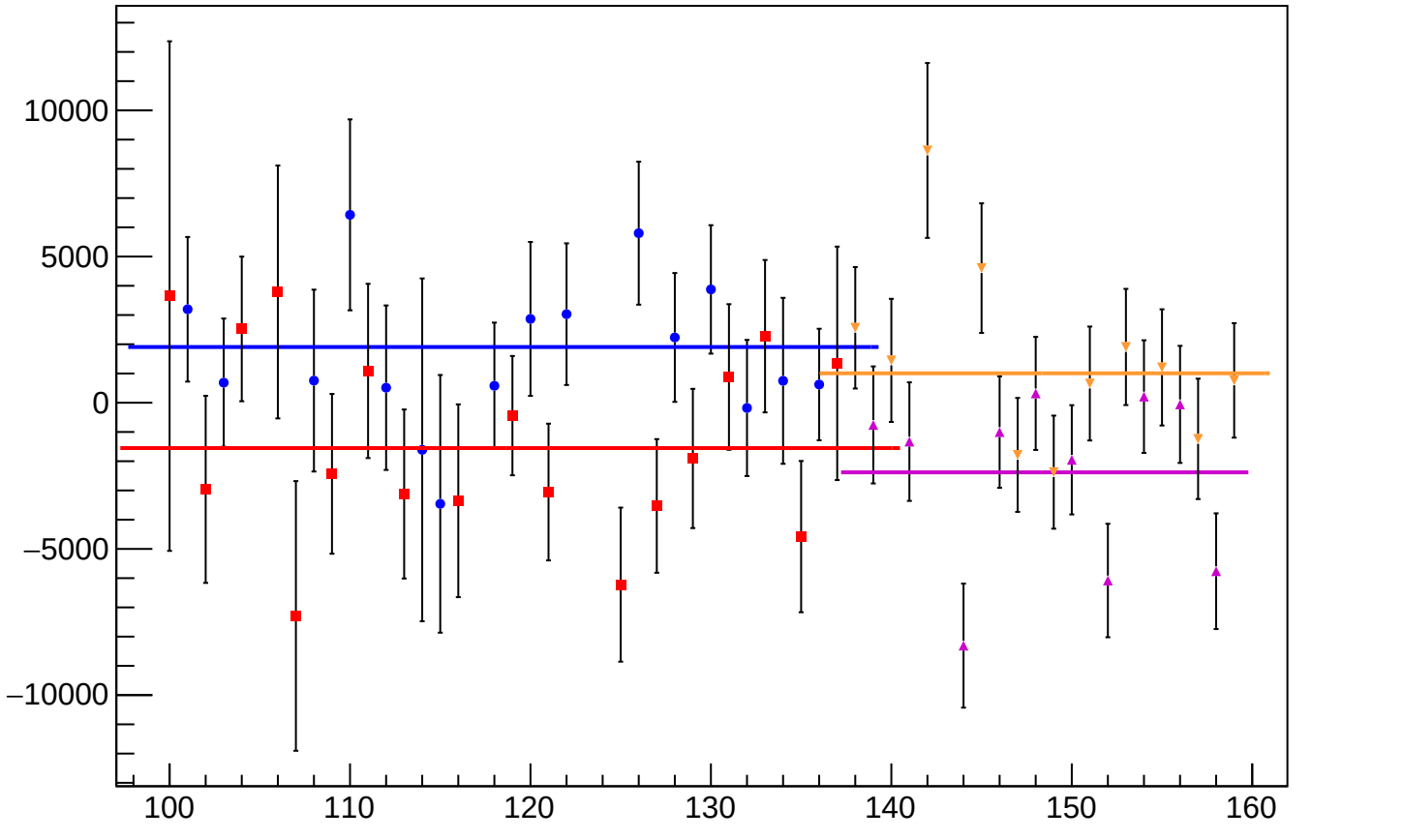
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4870.832+/-1.186 χ^2/NDF:466846.1/9

\+ sign 1031.492+/-0.288 χ^2/NDF: 20420474.5/27

All: 990.609+/-0.206 χ^2/NDF: 41510761.3/56

\- sign 947.842+/-0.295 χ^2/NDF: 21049157.8/28



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

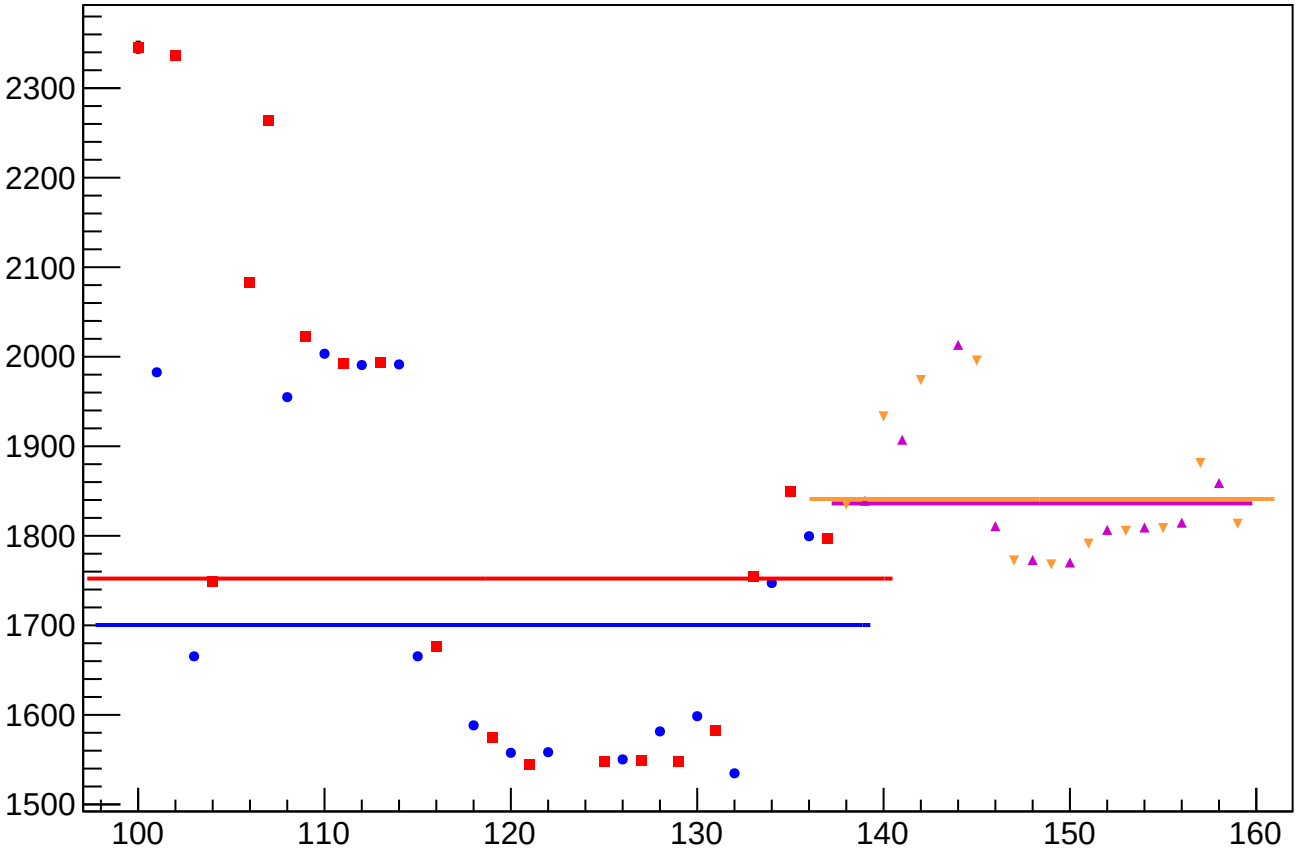
Left In: -2380.954+/-622.152 χ^2/NDF:21.0/9

+ sign 1447.732+/-445.490 χ^2/NDF: 27.5/26

All: -242.733+/-317.650 χ^2/NDF: 96.1/54

- sign -1991.109+/-453.057 χ^2/NDF: 39.2/27

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

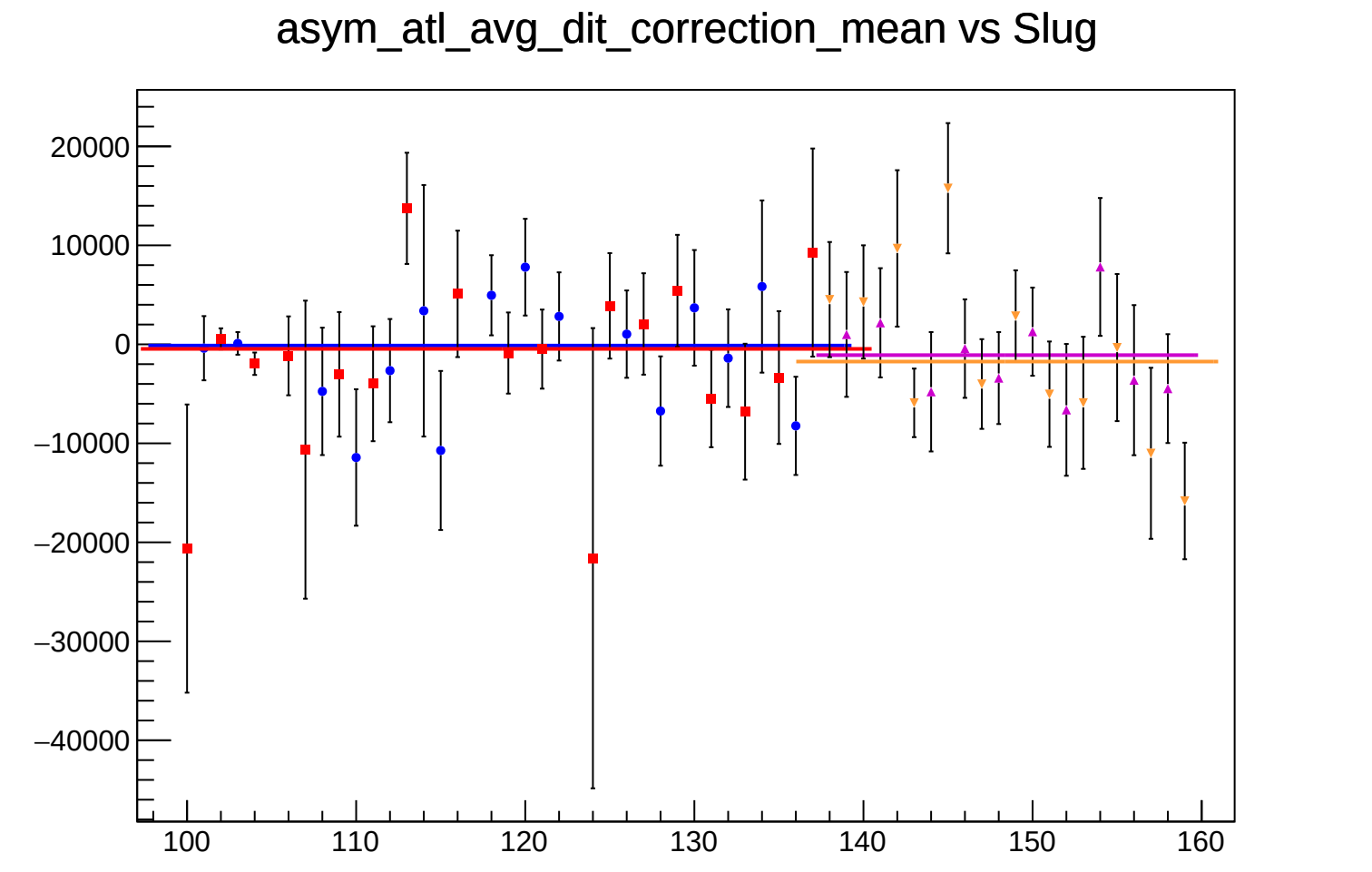
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1836.188+/-0.440 χ^2/NDF:22729.6/9

+ sign 1772.159+/-0.315 χ^2/NDF: 211860.4/26

All: 1784.217+/-0.224 χ^2/NDF: 502665.6/54

- sign 1796.661+/-0.320 χ^2/NDF: 287827.9/27



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

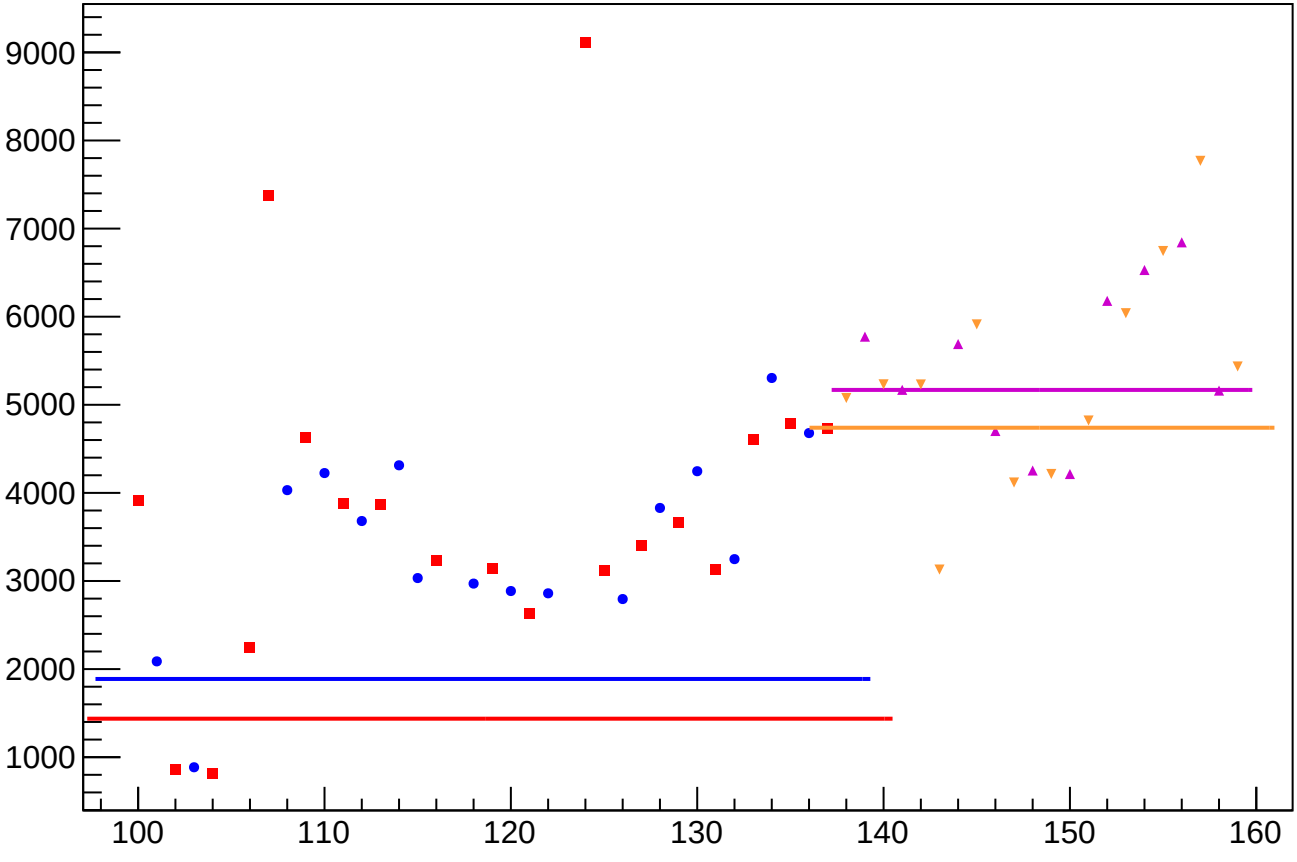
Left In: -1089.846+/-1777.975 χ^2/NDF:4.2/9

+ sign -496.478+/-761.440 χ^2/NDF: 37.7/27

All: -521.991+/-487.422 χ^2/NDF: 60.5/56

- sign -539.703+/-634.446 χ^2/NDF: 22.8/28

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

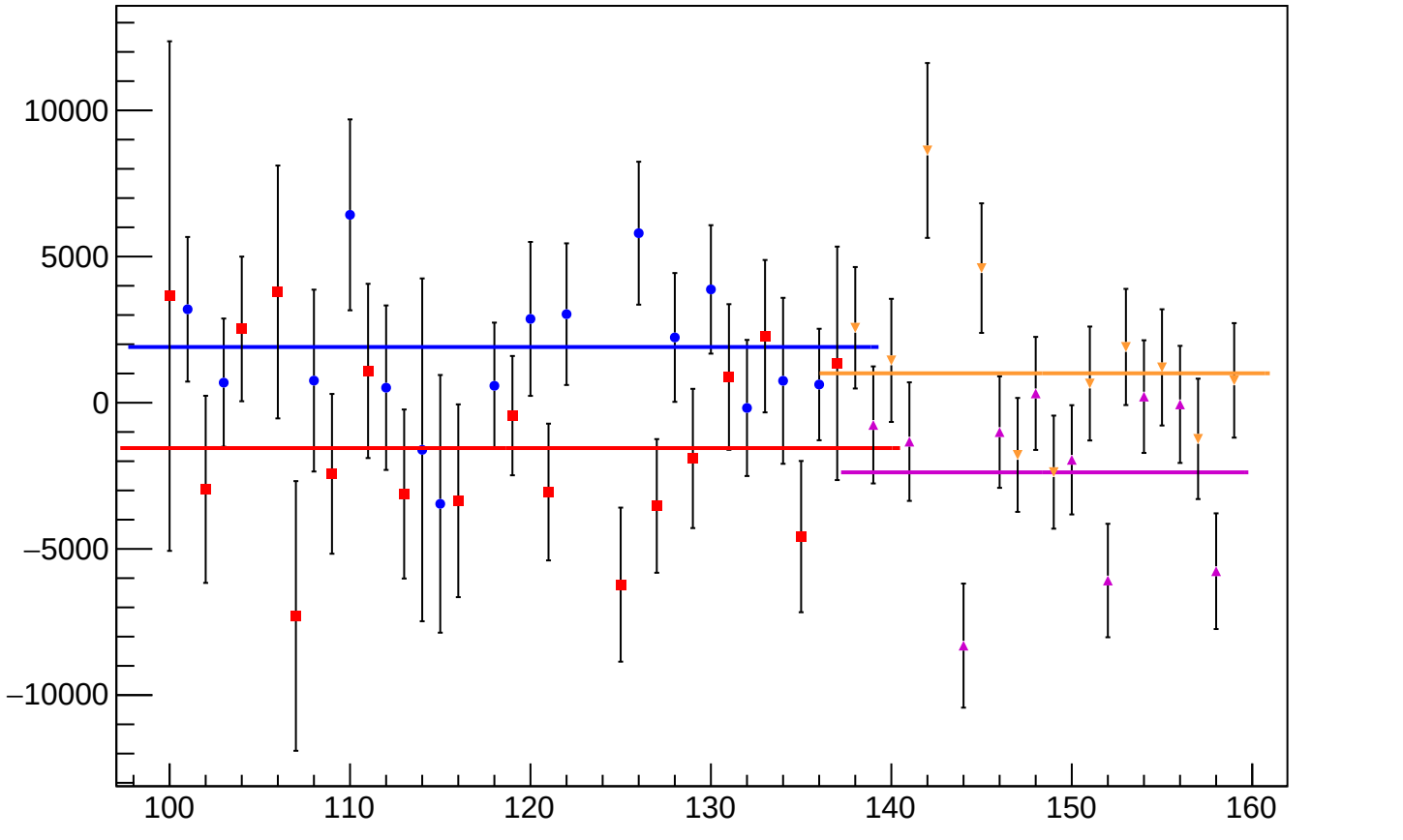
Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5168.827+/-1.257 χ^2/NDF:440408.1/9

+ sign 2543.385+/-0.538 χ^2/NDF: 10475137.7/27

All: 2170.885+/-0.345 χ^2/NDF: 25379251.0/5

- sign 1912.276+/-0.449 χ^2/NDF: 14093173.2/28



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

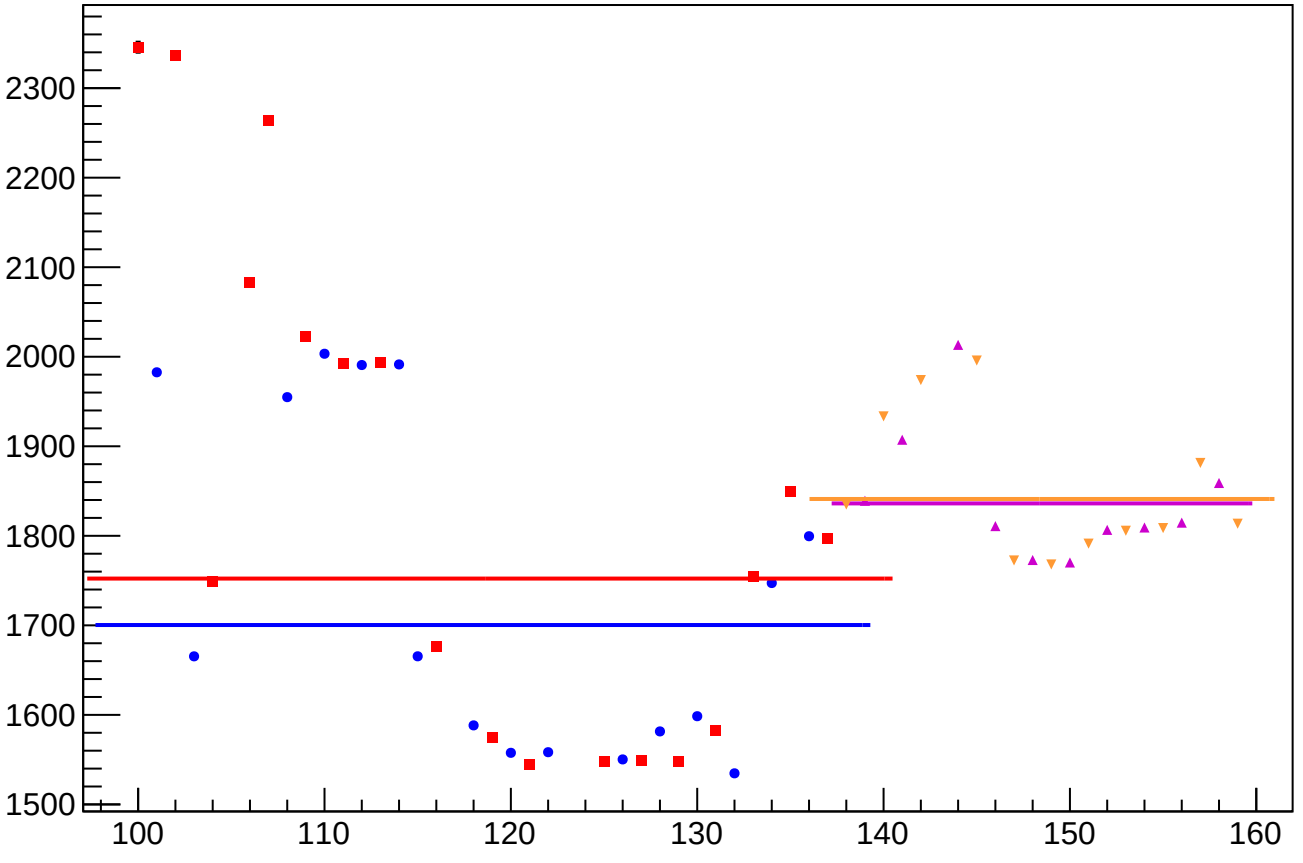
Left In: -2380.957+/-622.152 χ^2/NDF:21.0/9

+ sign 1447.731+/-445.490 χ^2/NDF: 27.5/26

All: -242.733+/-317.651 χ^2/NDF: 96.1/54

- sign -1991.109+/-453.057 χ^2/NDF: 39.3/27

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

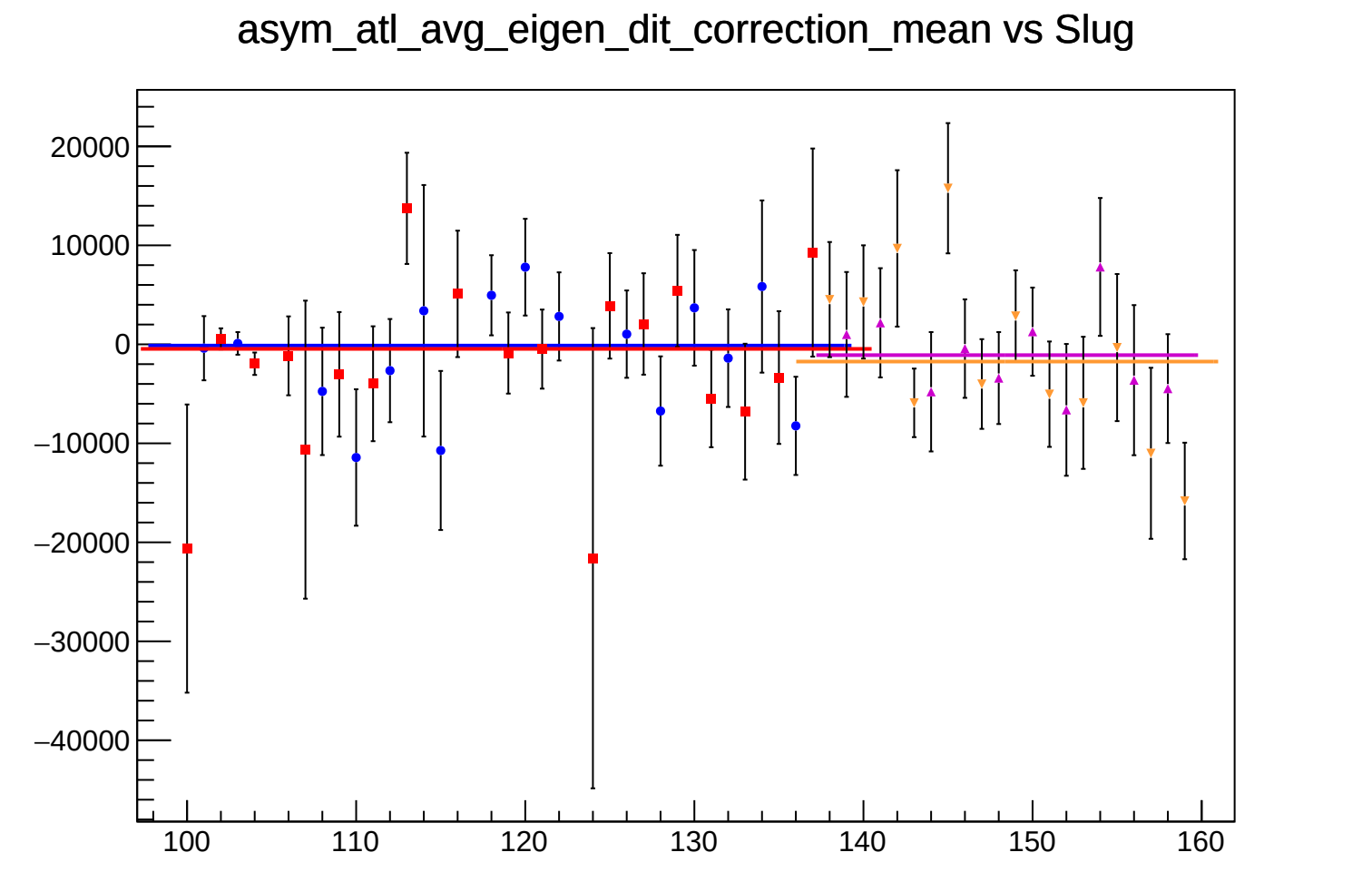
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1836.189+/-0.440 χ^2/NDF:22729.9/9

+ sign 1772.159+/-0.315 χ^2/NDF: 211862.3/26

All: 1784.217+/-0.224 χ^2/NDF: 502667.9/54

- sign 1796.661+/-0.320 χ^2/NDF: 287828.4/27



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

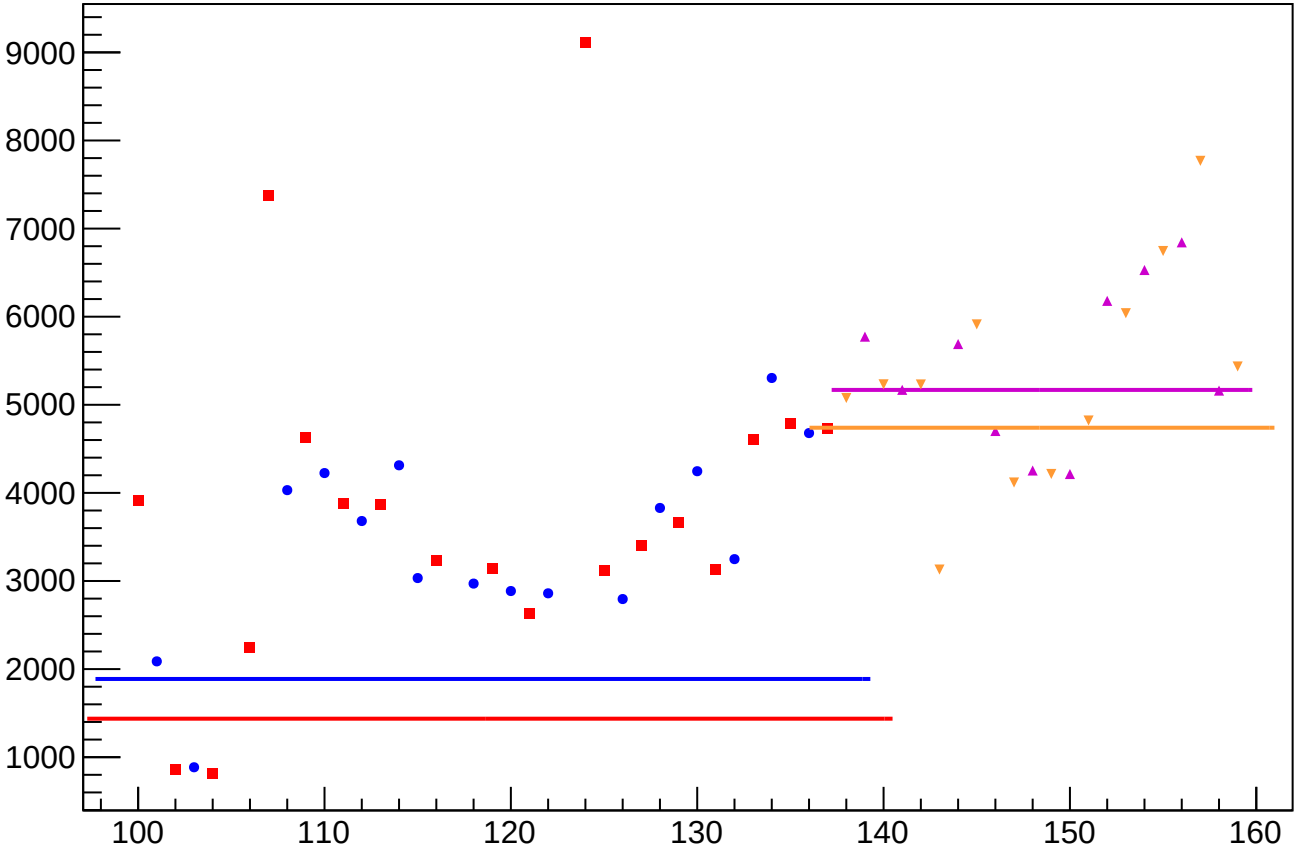
Left In: -1089.849+/-1777.977 χ^2/NDF:4.2/9

\+ sign -496.472+/-761.437 χ^2/NDF: 37.7/27

All: -521.987+/-487.420 χ^2/NDF: 60.5/56

\- sign -539.701+/-634.442 χ^2/NDF: 22.8/28

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

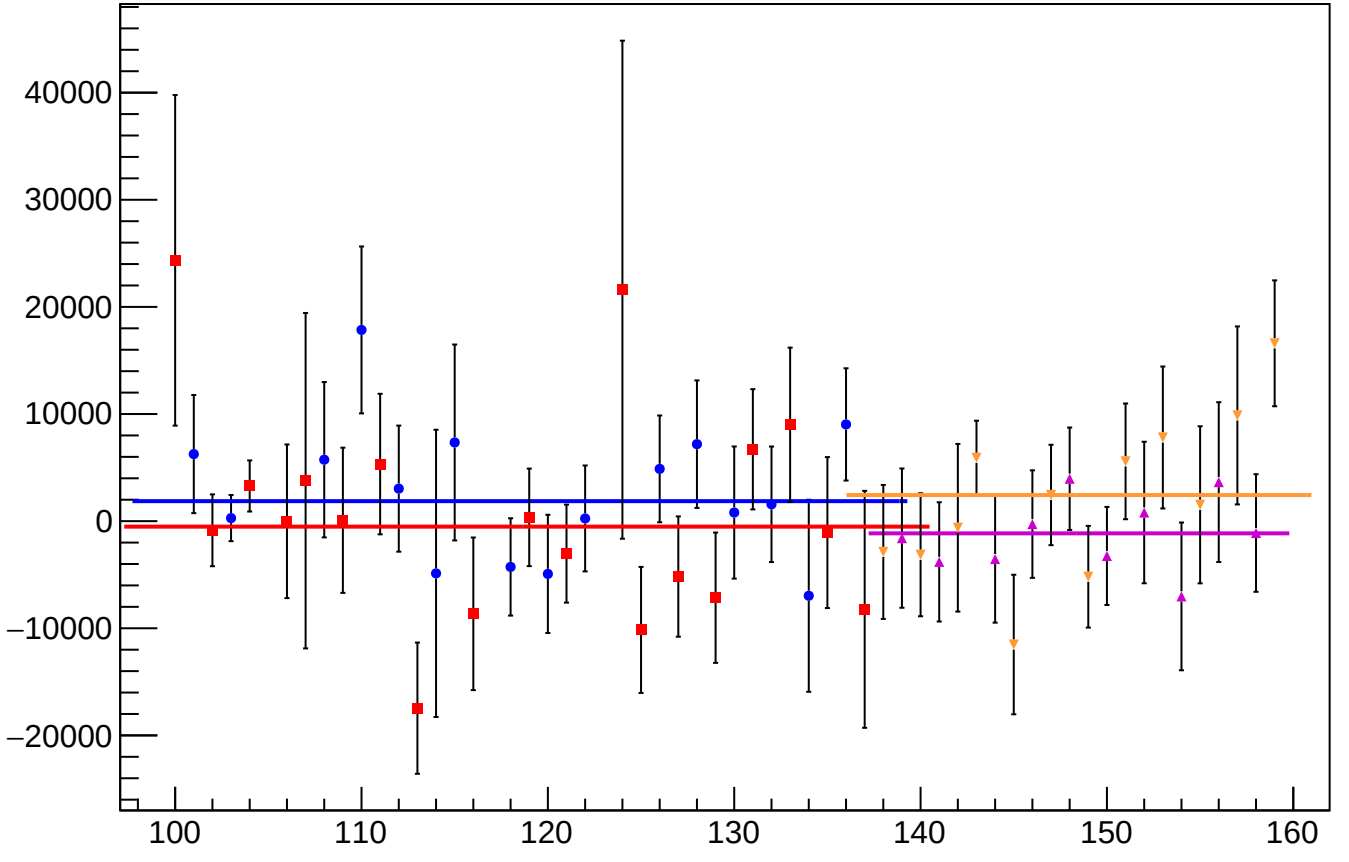
Left In: 5168.833+/-1.257 χ^2/NDF:440411.3/9

+ sign 2543.365+/-0.538 χ^2/NDF: 10475260.0/27

All: 2170.865+/-0.345 χ^2/NDF: 25379495.8/5

- sign 1912.257+/-0.449 χ^2/NDF: 14093289.8/28

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

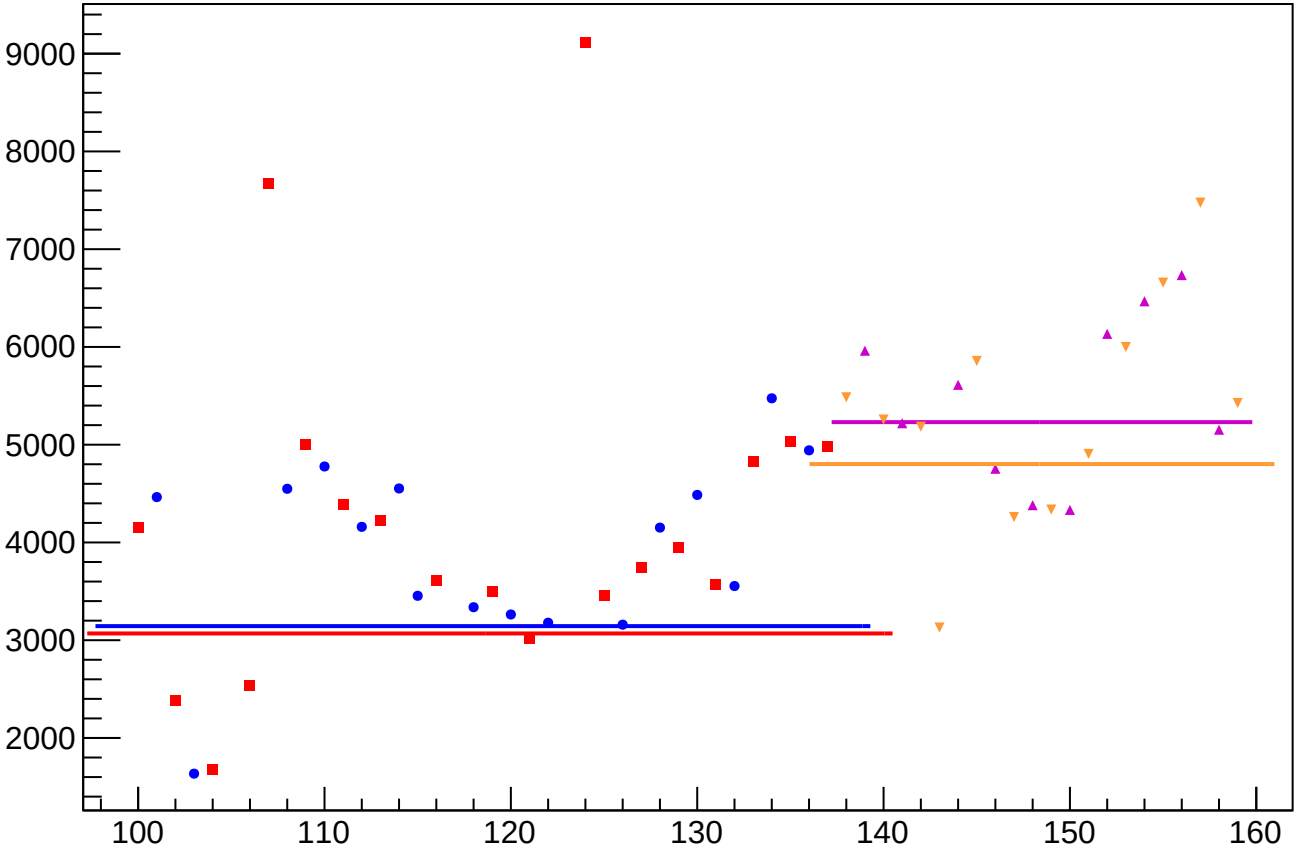
Left In: -1139.066+/-1794.572 χ^2/NDF:3.0/9

+ sign 2083.244+/-990.704 χ^2/NDF: 31.5/27

All: 726.090+/-711.002 χ^2/NDF: 63.1/56

- sign -715.331+/-1020.998 χ^2/NDF: 27.8/28

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

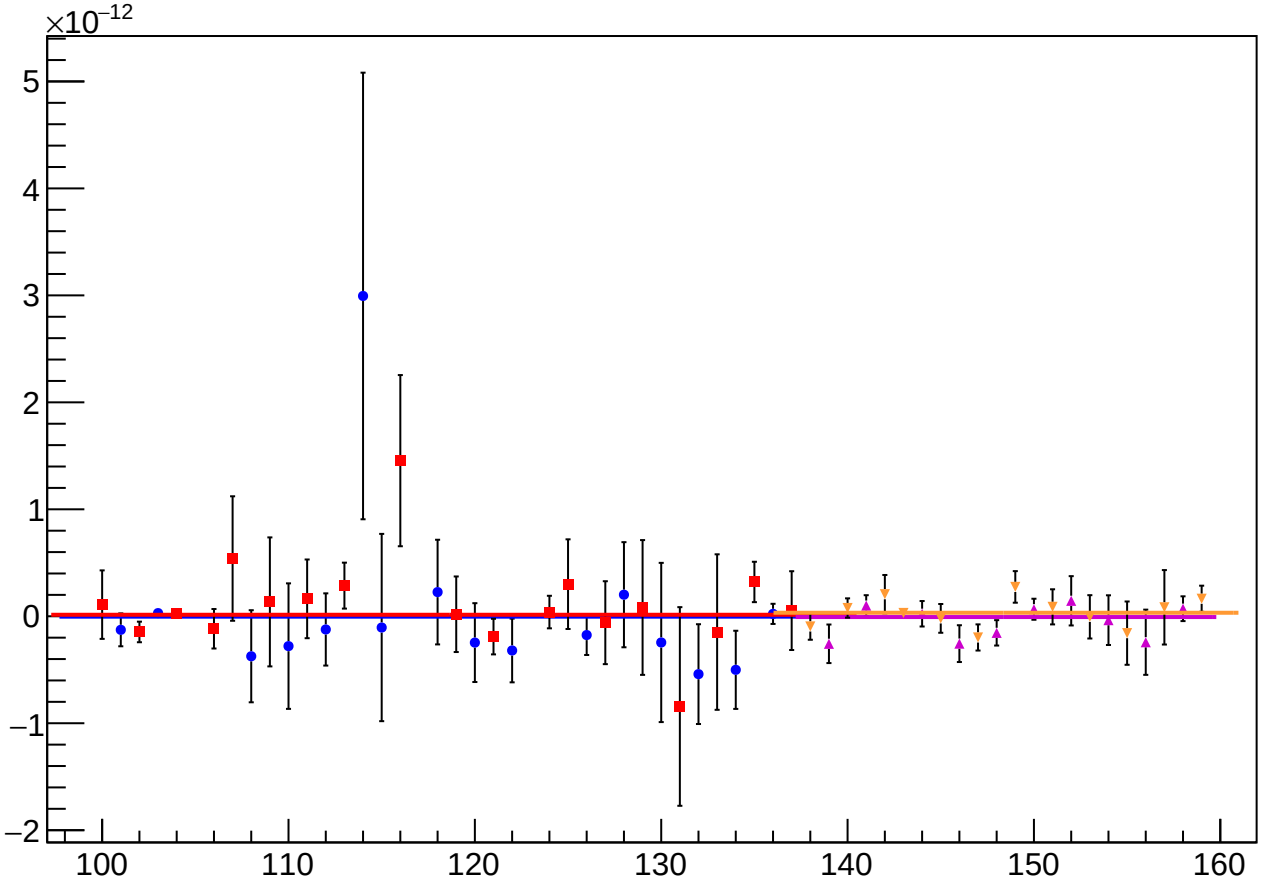
Left In: 5230.831+/-1.269 χ^2/NDF:375045.5/9

+ sign 3775.660+/-0.701 χ^2/NDF: 4233251.3/27

All: 3765.064+/-0.500 χ^2/NDF: 8472973.1/56

- sign 3754.047+/-0.714 χ^2/NDF: 4239255.1/28

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/11

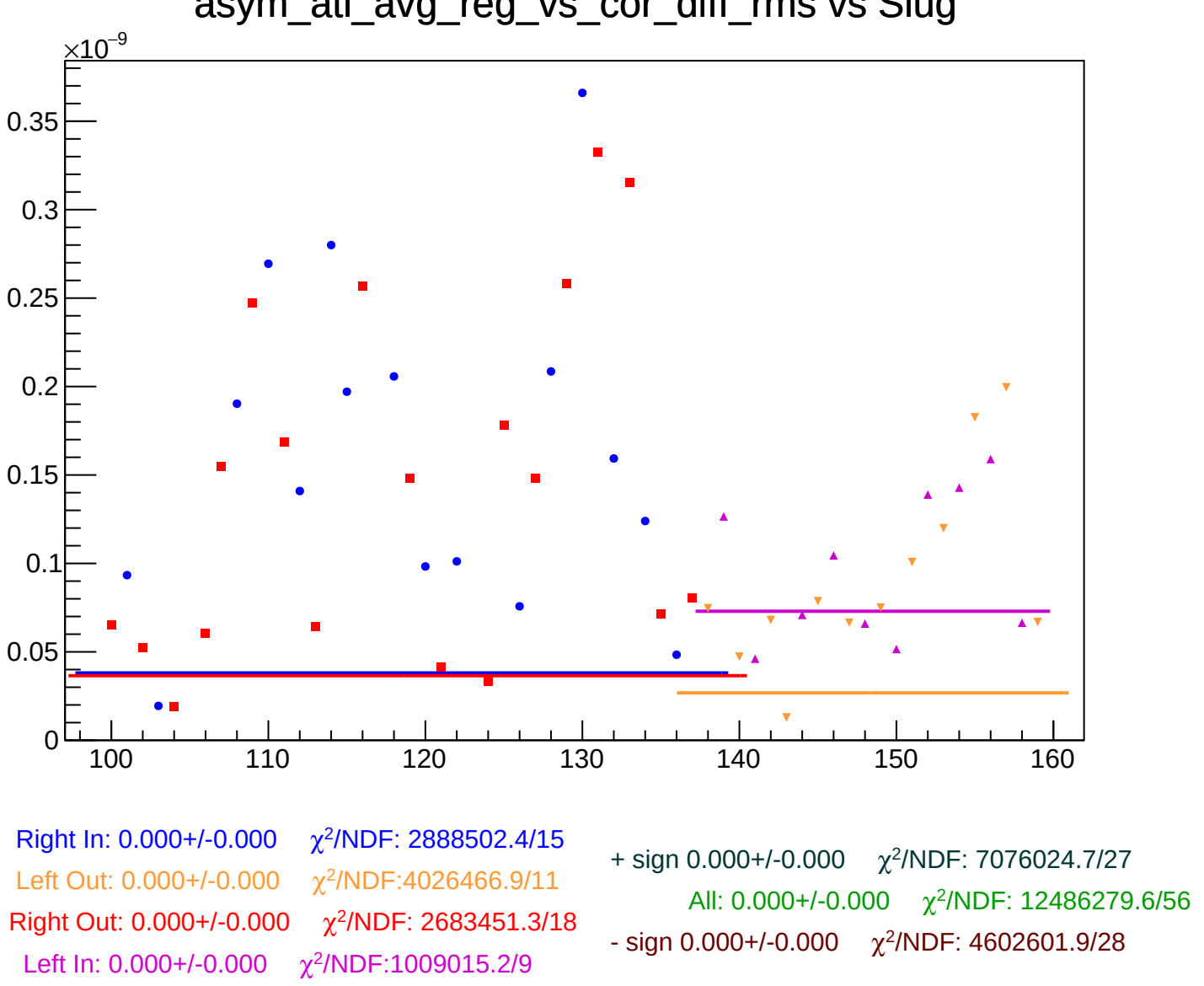
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

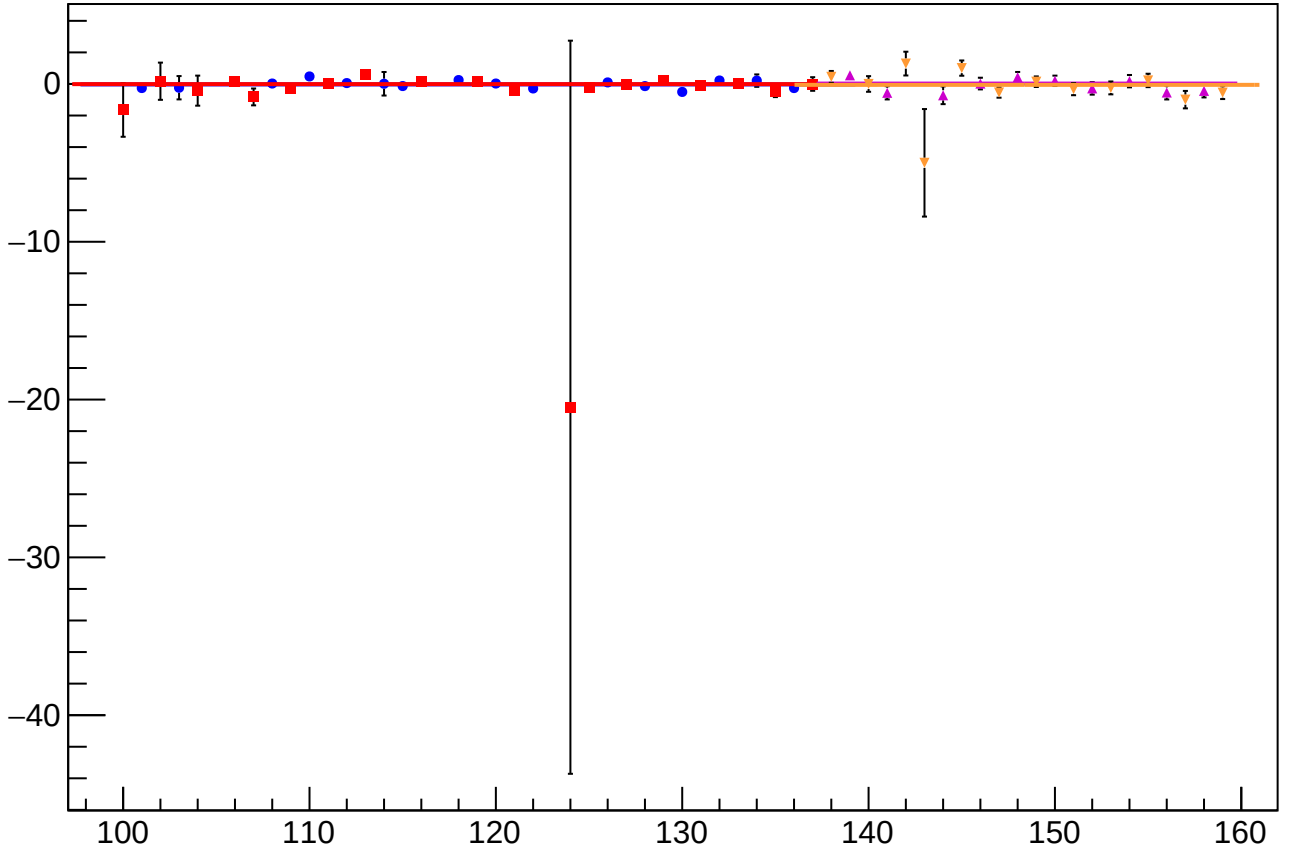
+ sign 0.000+/-0.000 χ^2/NDF: 21.9/27

All: 0.000+/-0.000 χ^2/NDF: 46.1/56

- sign 0.000+/-0.000 χ^2/NDF: 24.0/28


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:1009015.2/9
+ sign 0.000+/-0.000 χ²/NDF: 7076024.7/27
All: 0.000+/-0.000 χ²/NDF: 12486279.6/56
- sign 0.000+/-0.000 χ²/NDF: 4602601.9/28

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

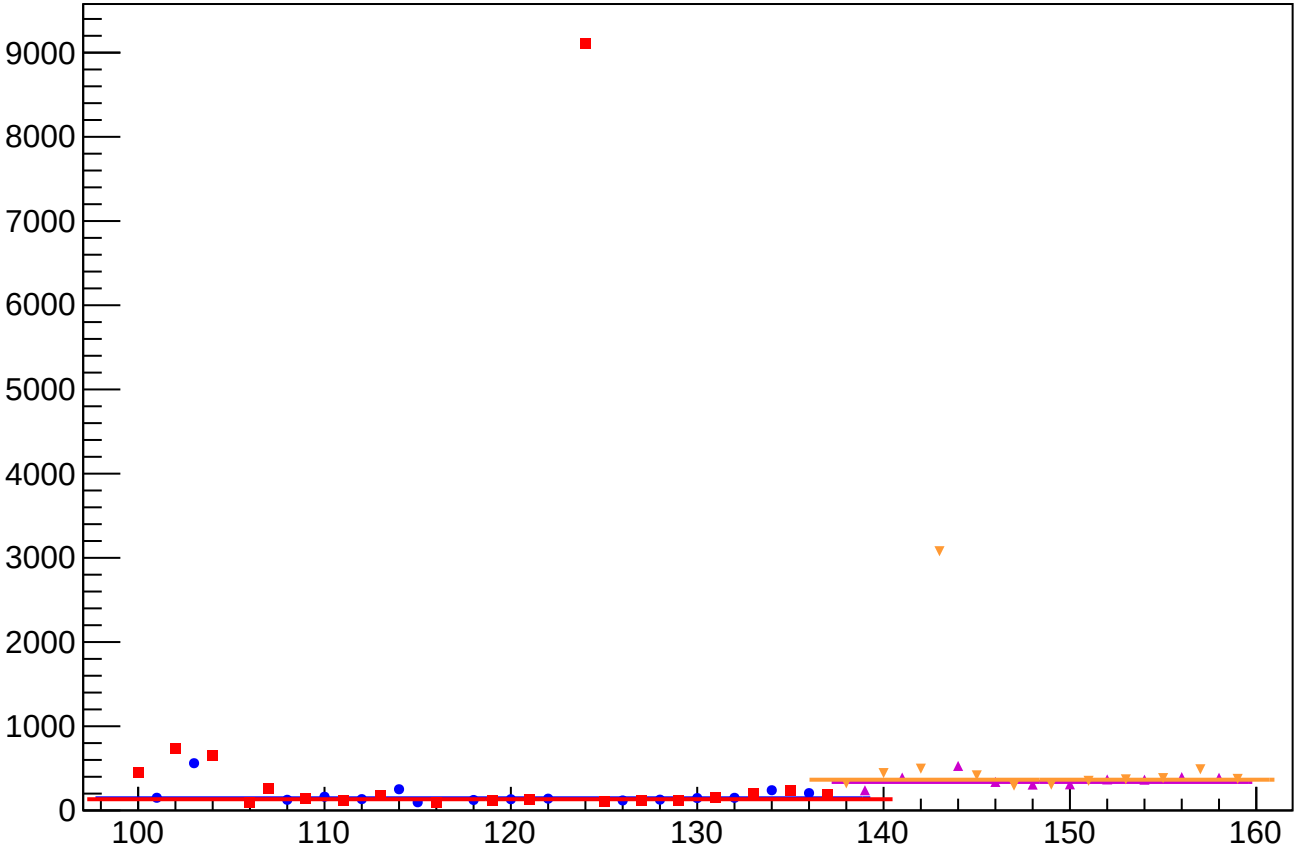
Left In: 0.024+/-0.118 χ^2/NDF:12.6/9

+ sign -0.034+/-0.053 χ^2/NDF: 37.4/27

All: -0.018+/-0.037 χ^2/NDF: 72.0/56

- sign -0.004+/-0.051 χ^2/NDF: 34.5/28

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

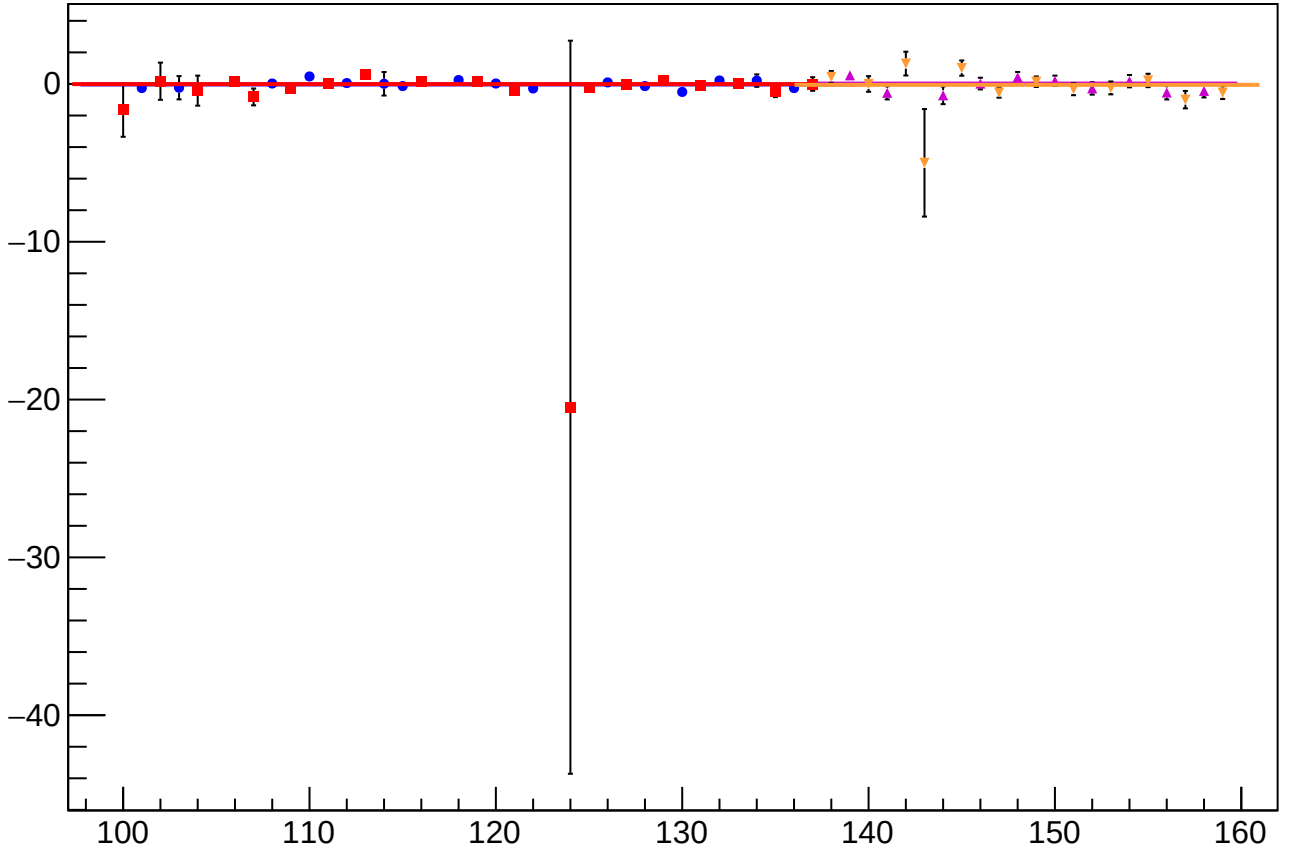
Left In: 338.551+/-0.084 χ^2/NDF:638767.3/9

+ sign 182.855+/-0.037 χ^2/NDF: 7915668.0/27

All: 176.923+/-0.026 χ^2/NDF: 15720413.3/56

- sign 171.333+/-0.036 χ^2/NDF: 7755221.8/28

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.126 χ^2/NDF:20.1/11

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

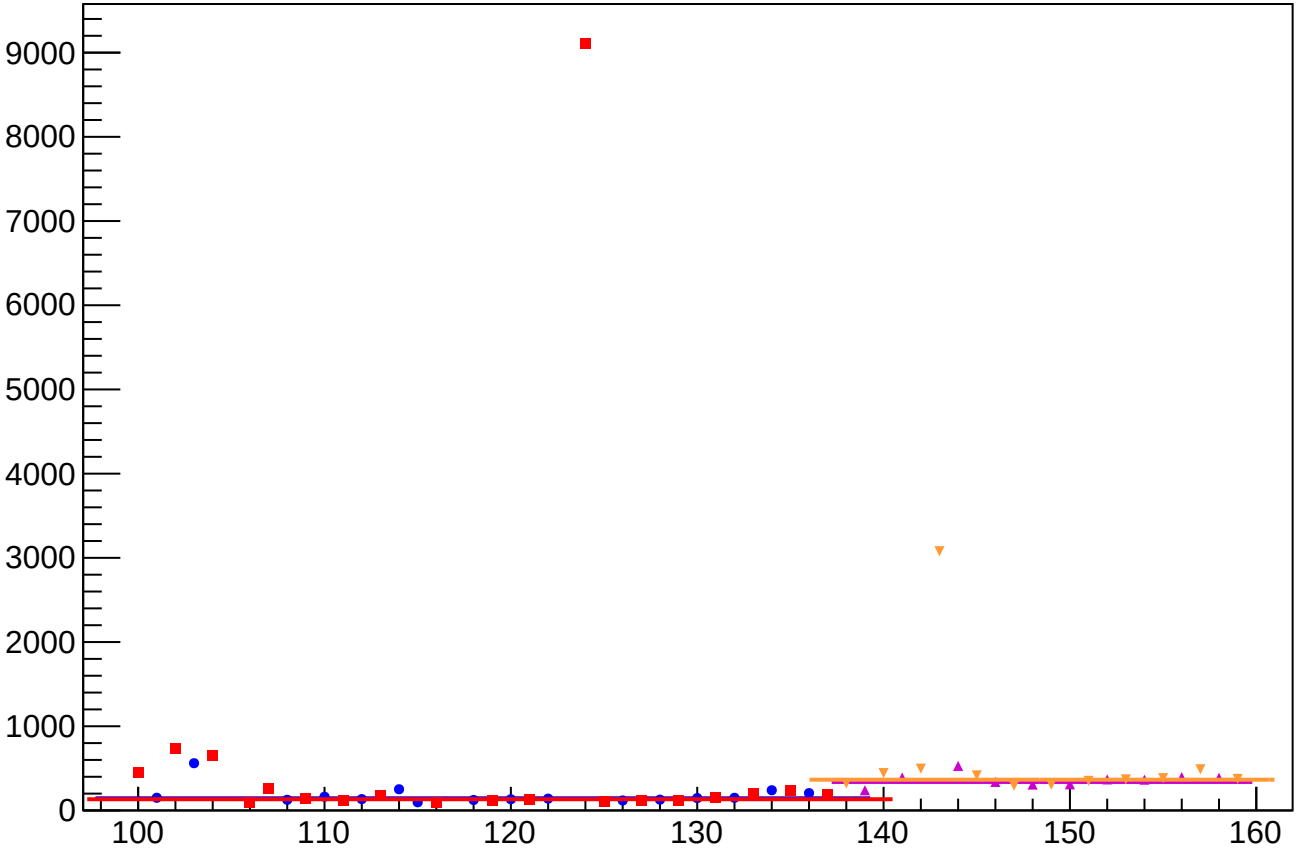
Left In: 0.024+/-0.118 χ^2/NDF:12.6/9

+ sign -0.034+/-0.053 χ^2/NDF: 37.4/27

All: -0.018+/-0.037 χ^2/NDF: 72.0/56

- sign -0.004+/-0.051 χ^2/NDF: 34.5/28

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

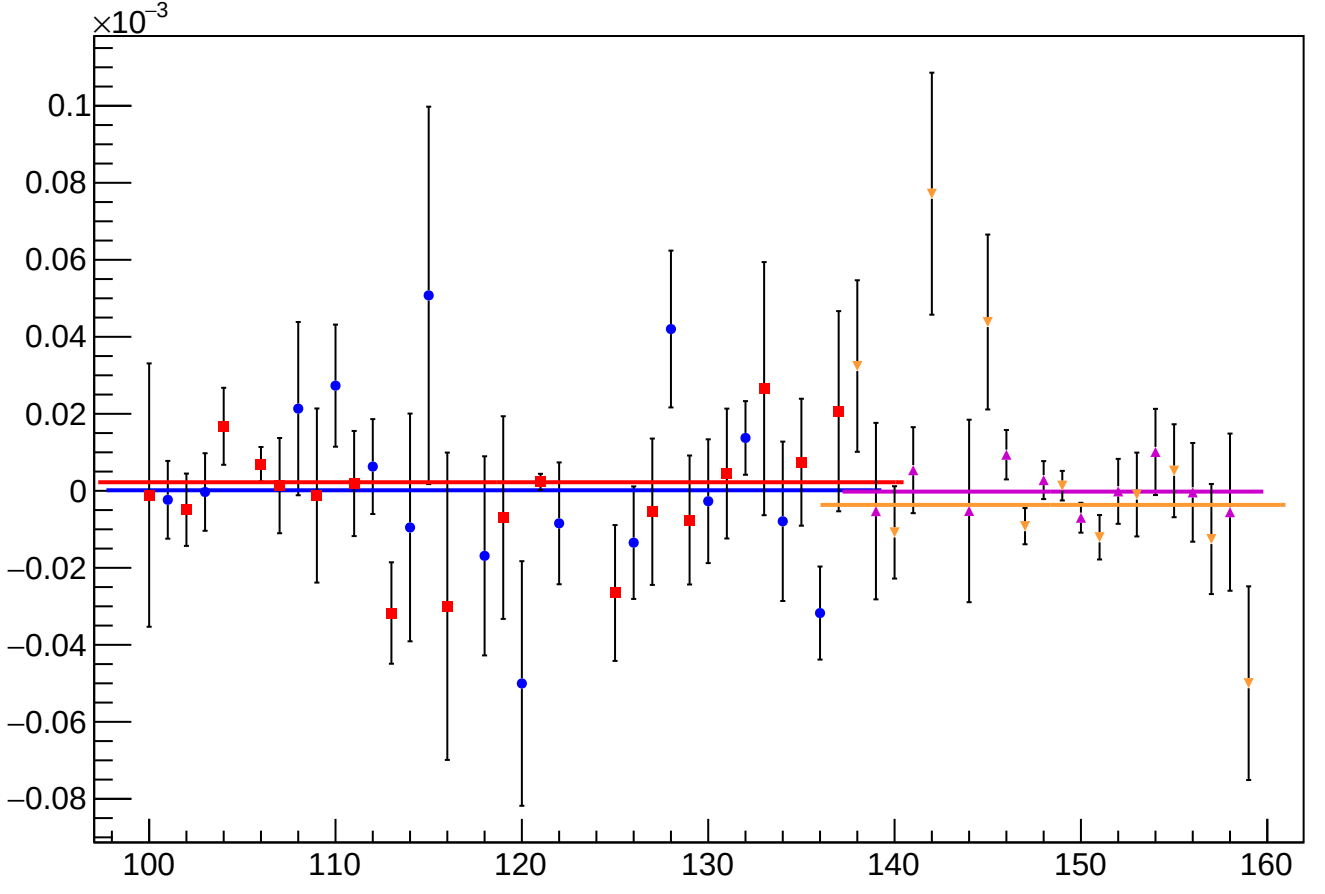
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 338.551+/-0.084 χ^2/NDF:638767.3/9

+ sign 182.855+/-0.037 χ^2/NDF: 7915668.0/27

All: 176.923+/-0.026 χ^2/NDF: 15720413.3/56

- sign 171.333+/-0.036 χ^2/NDF: 7755221.8/28



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

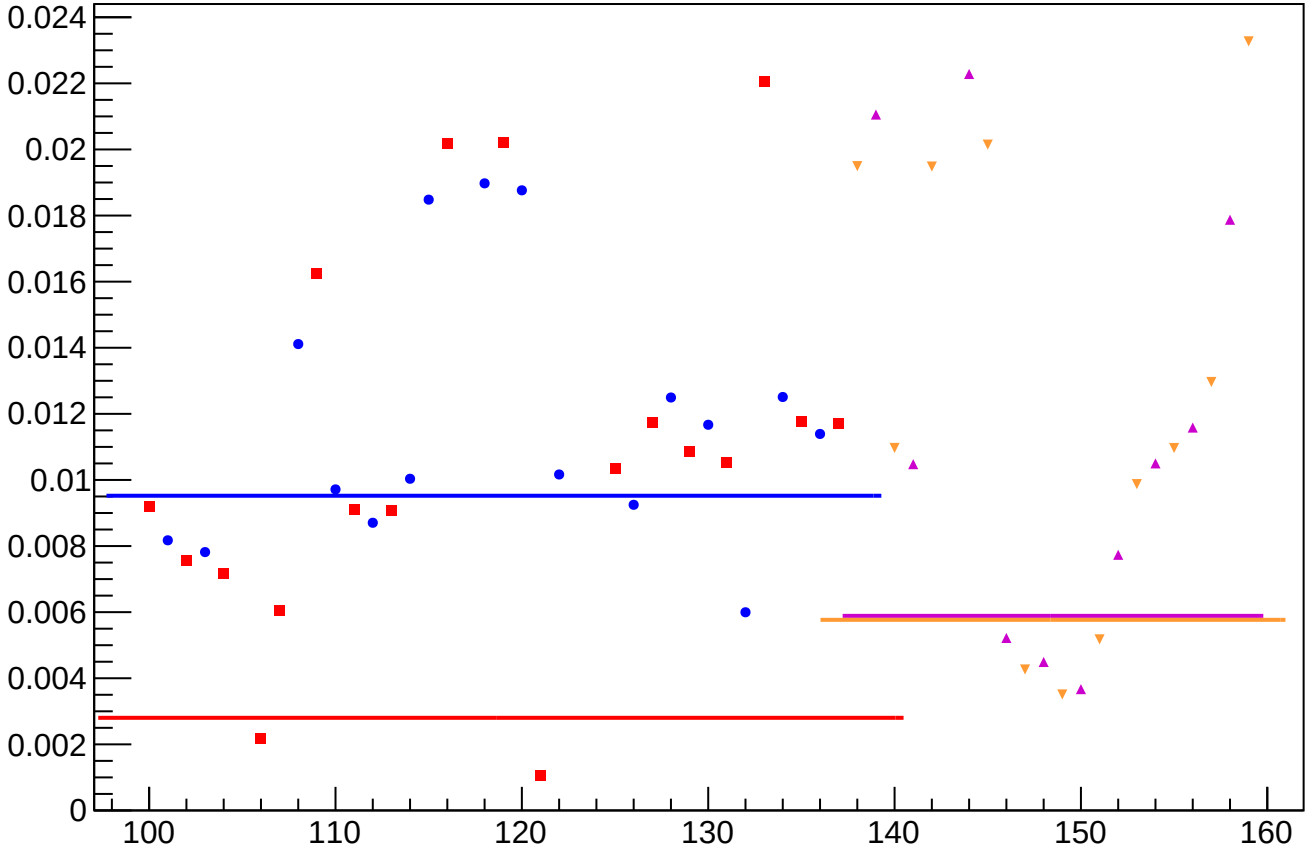
Left In: -0.000+/-0.000 χ^2/NDF:6.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 47.1/26

All: 0.000+/-0.000 χ^2/NDF: 72.9/54

- sign 0.000+/-0.000 χ^2/NDF: 23.2/27

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

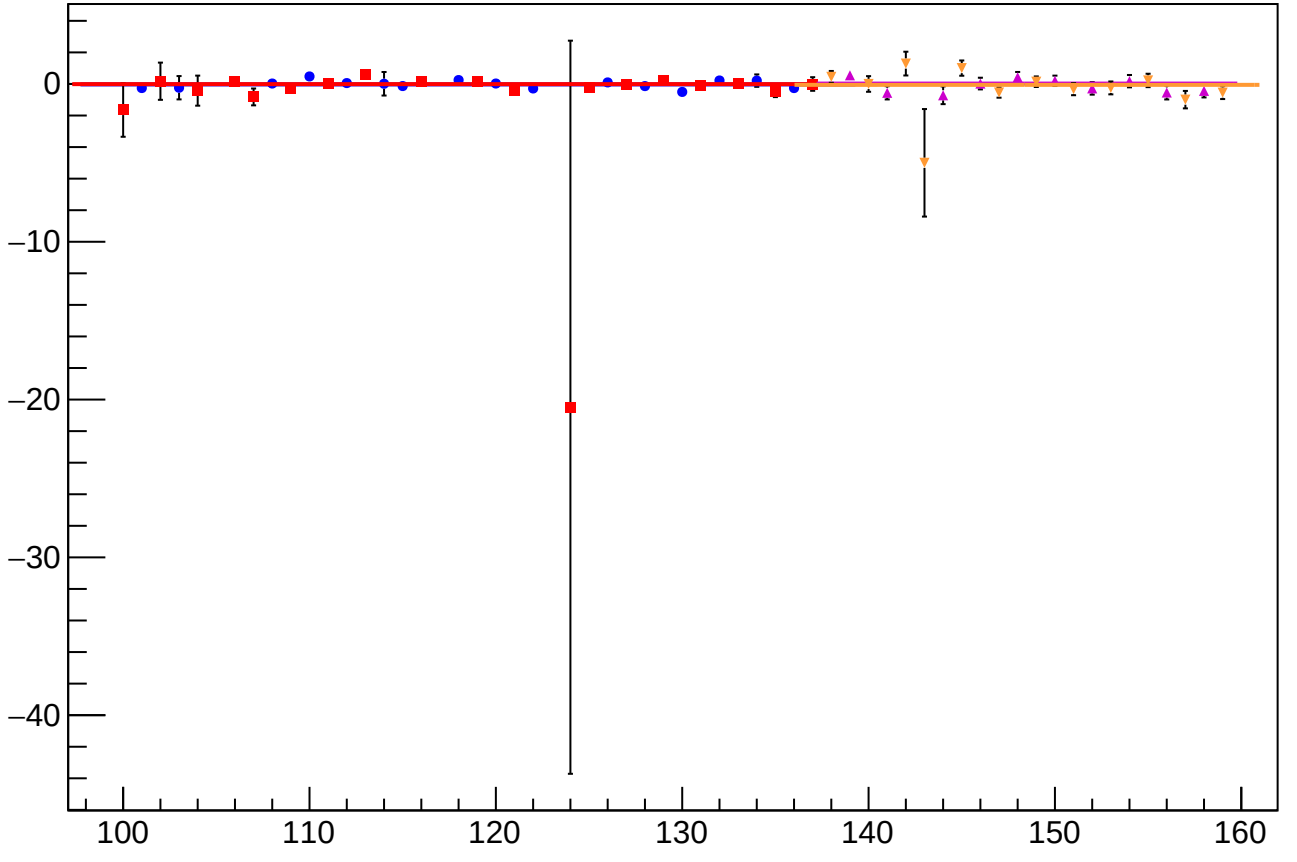
Left In: 0.006+/-0.000 χ^2/NDF:4526929.3/9

+ sign 0.007+/-0.000 χ^2/NDF: 7930585.5/26

All: 0.005+/-0.000 χ^2/NDF: 26212490.4/54

- sign 0.004+/-0.000 χ^2/NDF: 15283306.0/27

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

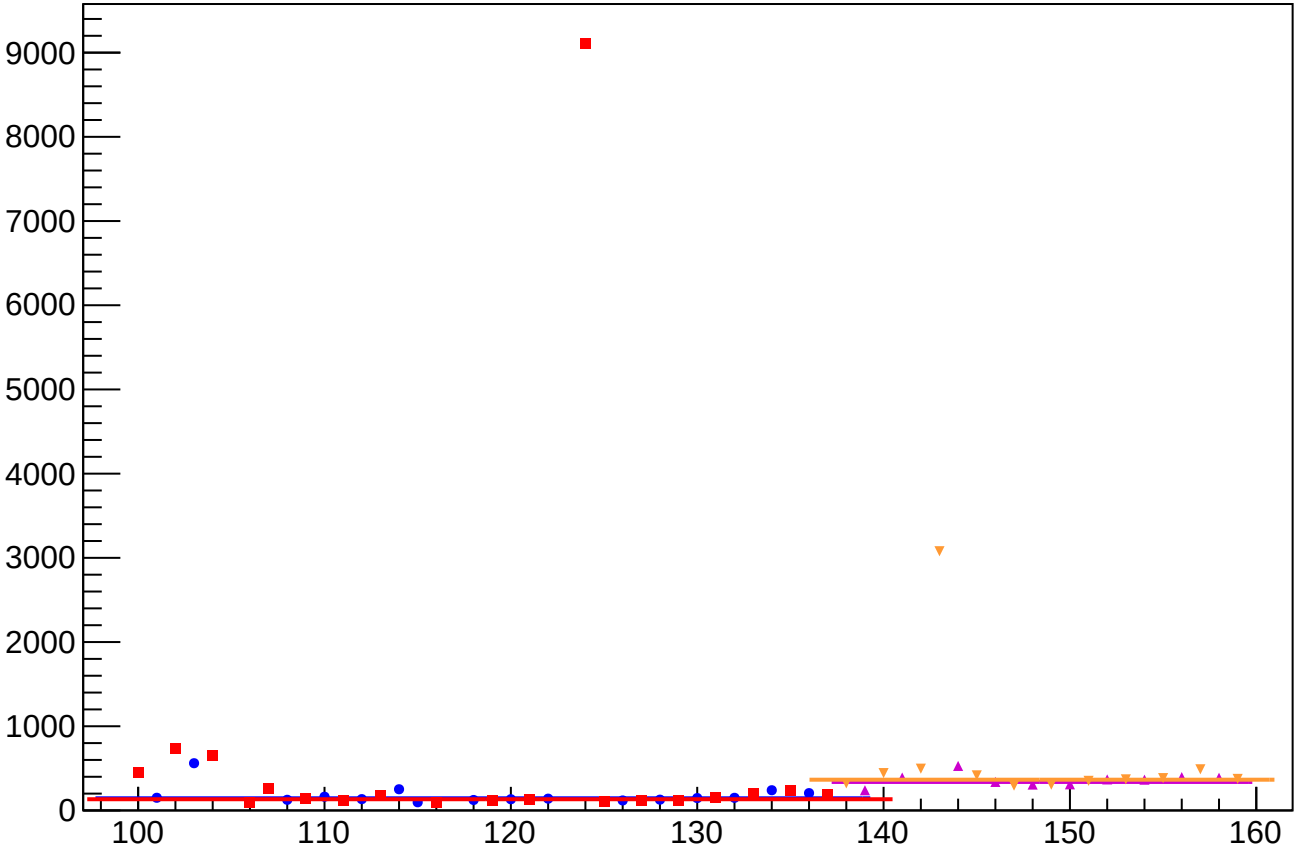
Left In: 0.024+/-0.118 χ^2/NDF:12.6/9

+ sign -0.034+/-0.053 χ^2/NDF: 37.4/27

All: -0.018+/-0.037 χ^2/NDF: 72.0/56

- sign -0.004+/-0.051 χ^2/NDF: 34.5/28

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

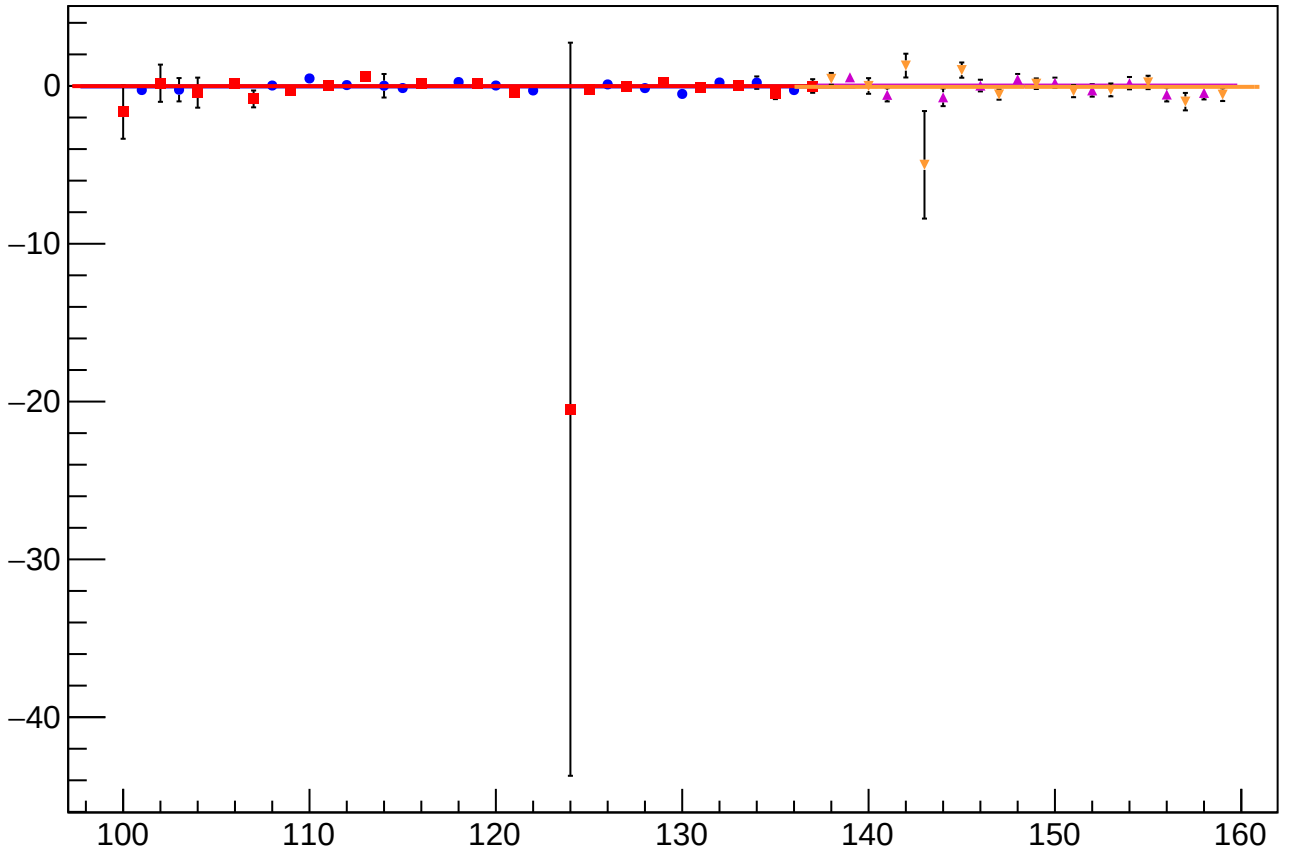
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 338.556+/-0.084 χ^2/NDF:638761.8/9

+ sign 182.853+/-0.037 χ^2/NDF: 7915904.7/27

All: 176.921+/-0.026 χ^2/NDF: 15720762.6/56

- sign 171.332+/-0.036 χ^2/NDF: 7755341.9/28



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

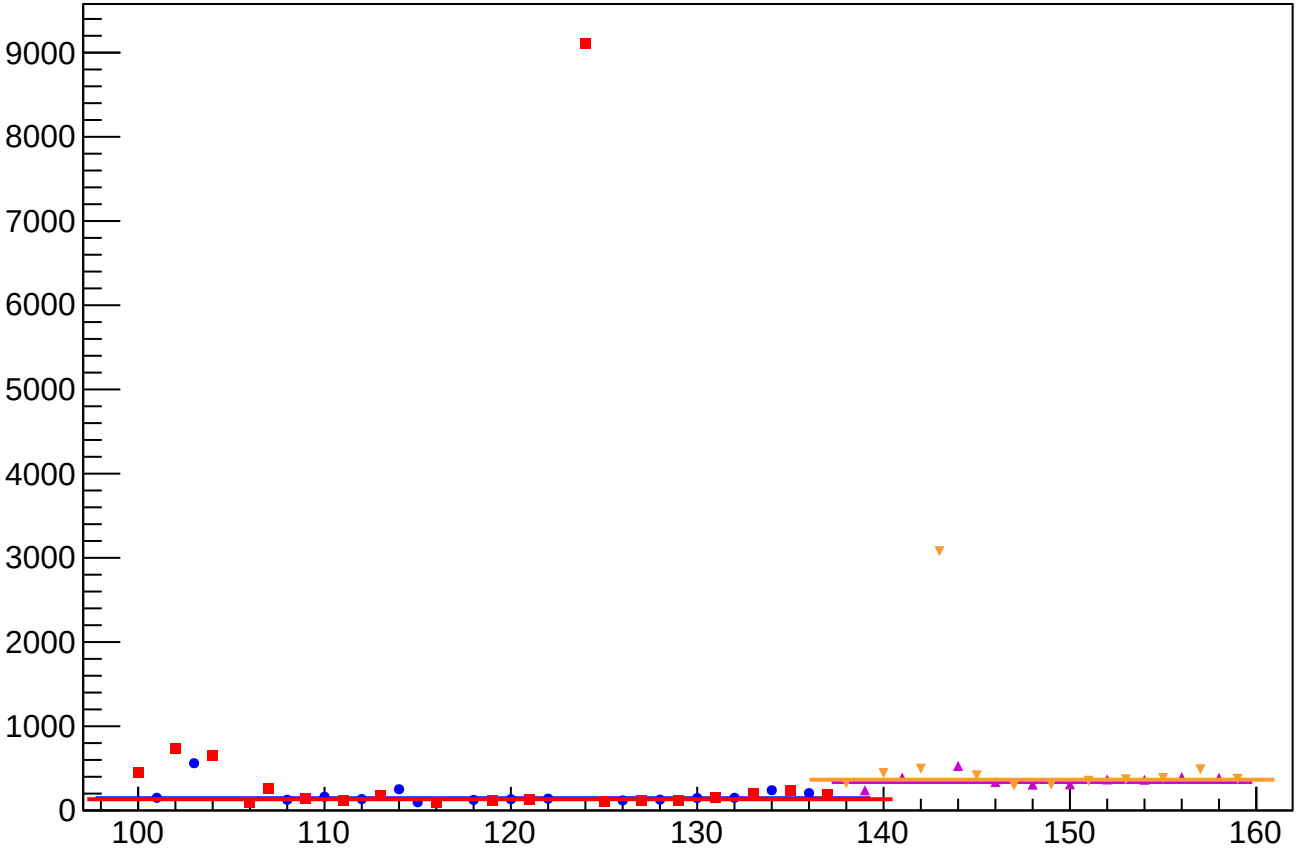
Left In: 0.024+/-0.118 χ^2/NDF:12.6/9

+ sign -0.034+/-0.053 χ^2/NDF: 37.4/27

All: -0.018+/-0.037 χ^2/NDF: 72.0/56

- sign -0.004+/-0.051 χ^2/NDF: 34.5/28

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

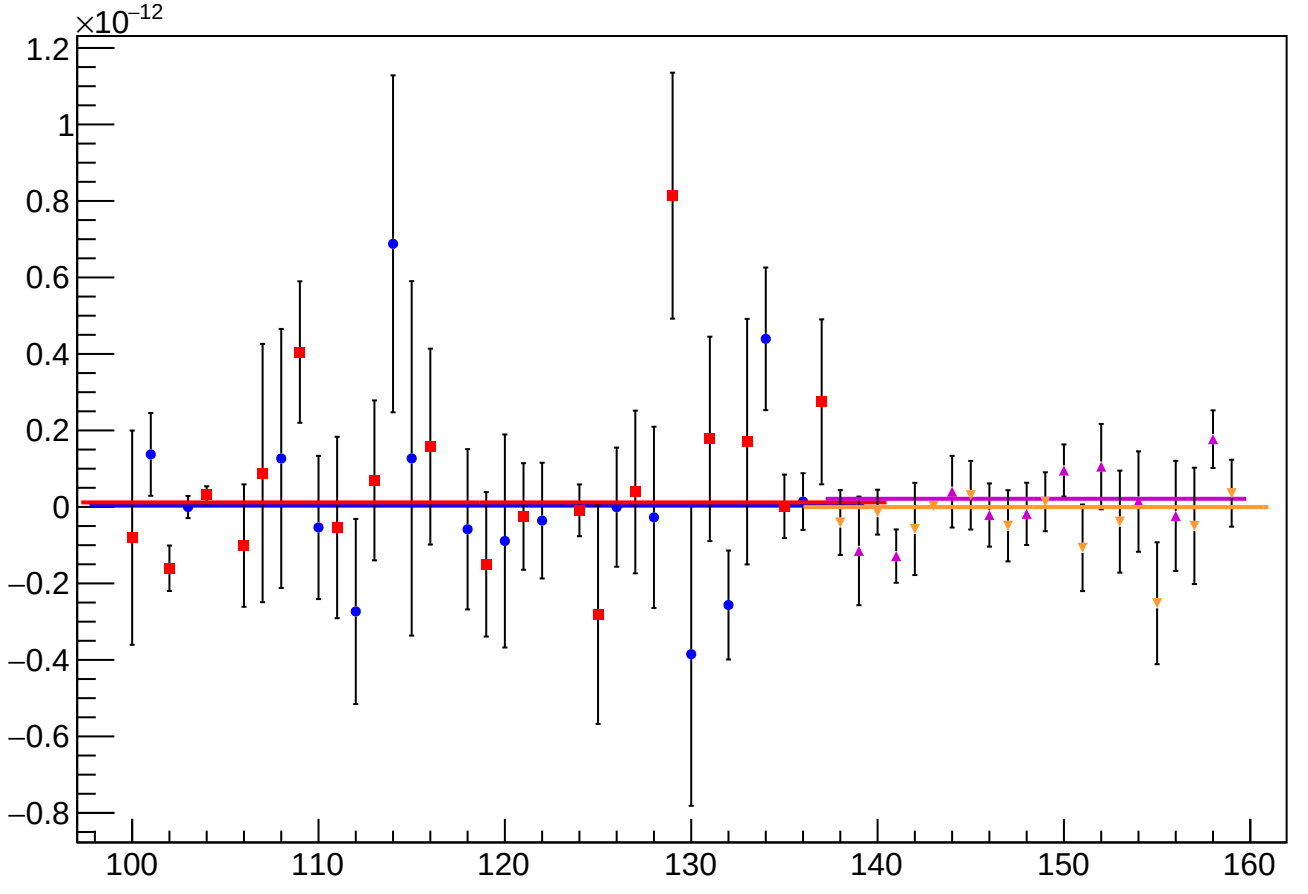
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 338.556+/-0.084 χ^2/NDF:638761.8/9

+ sign 182.853+/-0.037 χ^2/NDF: 7915904.7/27

All: 176.921+/-0.026 χ^2/NDF: 15720762.6/56

- sign 171.332+/-0.036 χ^2/NDF: 7755341.9/28



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

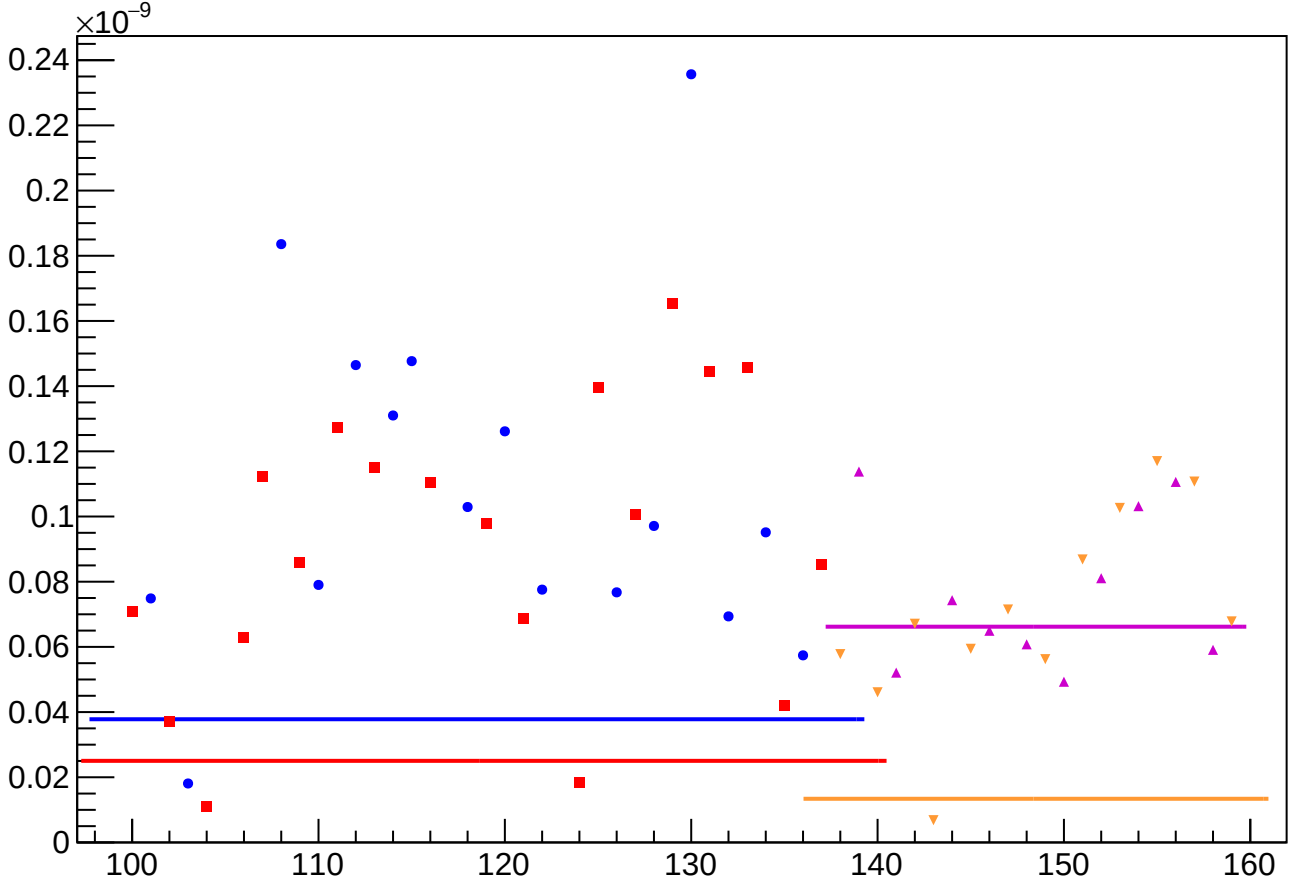
Left In: 0.000+/-0.000 χ^2/NDF:12.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 20.4/27

All: 0.000+/-0.000 χ^2/NDF: 58.5/56

- sign 0.000+/-0.000 χ^2/NDF: 37.4/28

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

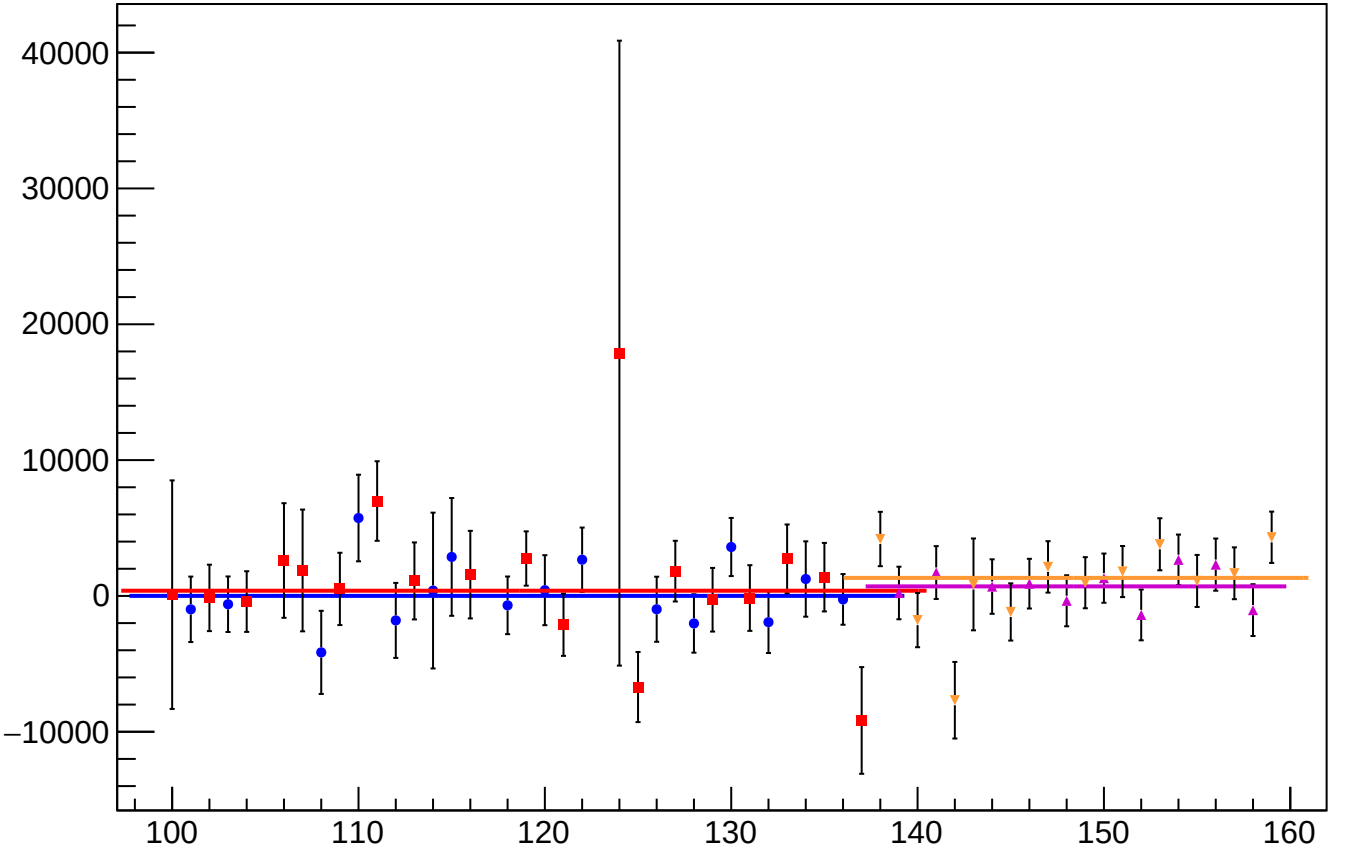
Left In: 0.000+/-0.000 χ^2/NDF:855731.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 14261969.7/27

All: 0.000+/-0.000 χ^2/NDF: 25457067.8/56

- sign 0.000+/-0.000 χ^2/NDF: 8509725.9/28

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

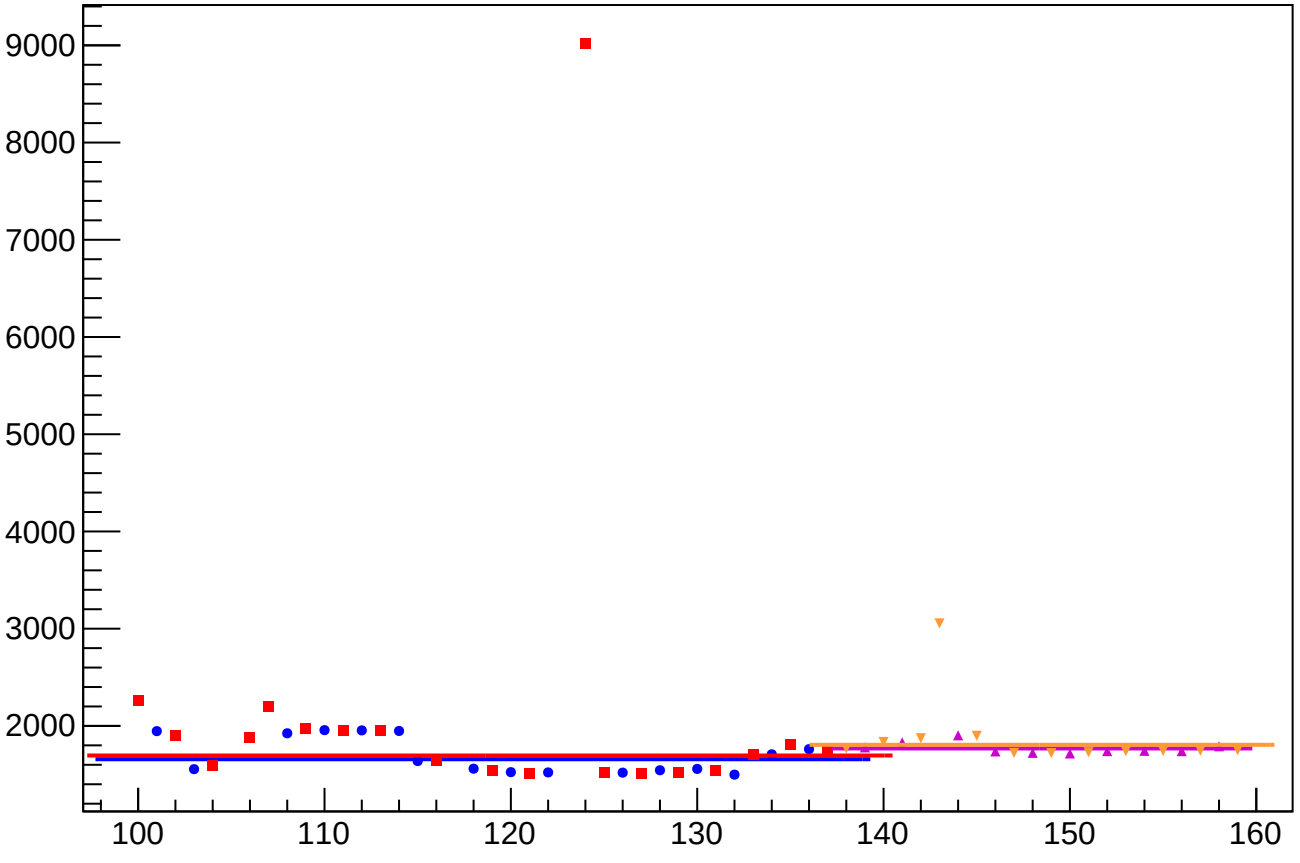
Left In: 703.087+/-598.821 χ^2/NDF:4.7/9

+ sign 700.127+/-426.977 χ^2/NDF: 35.4/27

All: 627.932+/-304.795 χ^2/NDF: 64.4/56

- sign 552.919+/-435.233 χ^2/NDF: 28.9/28

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

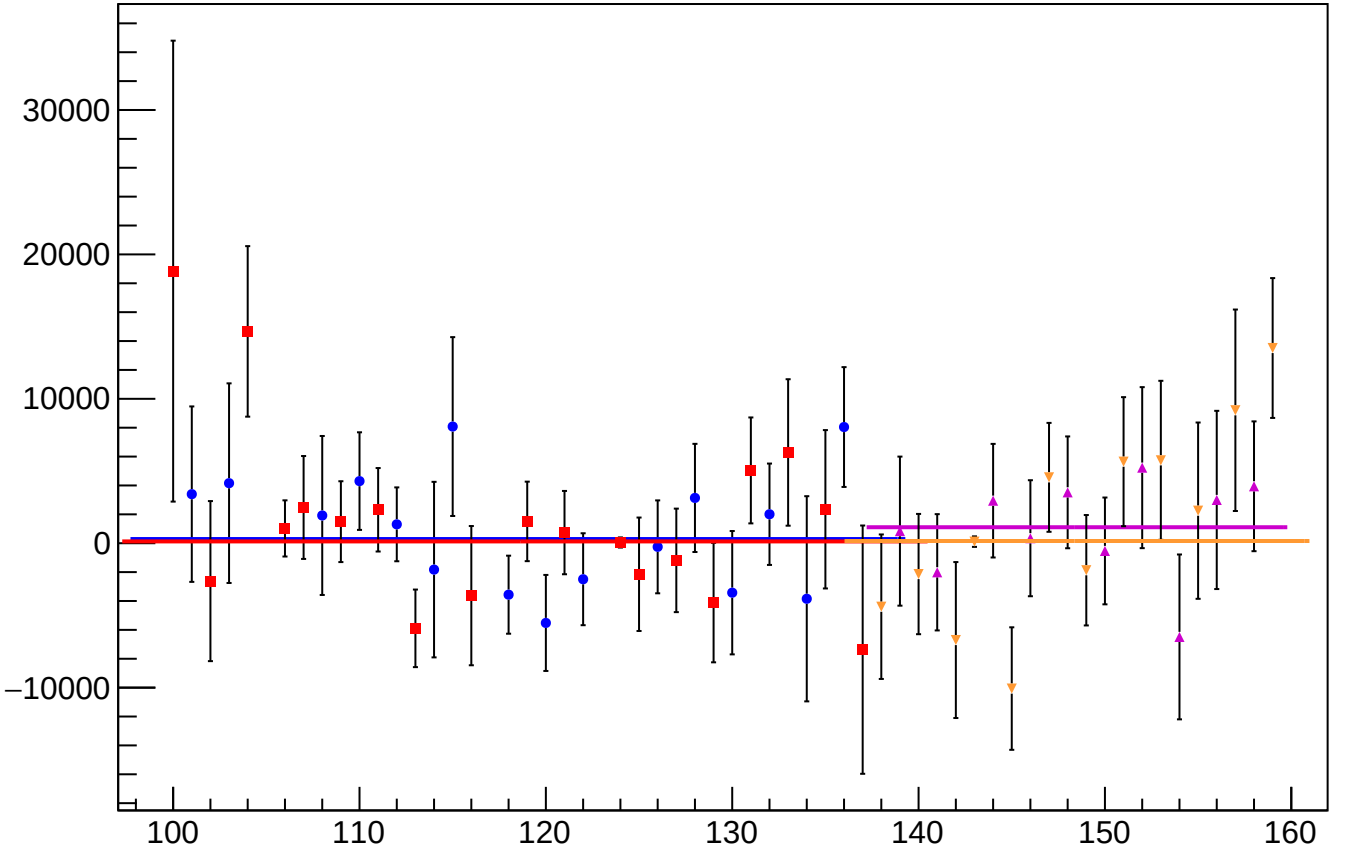
Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

+ sign 1735.196+/-0.302 χ^2/NDF: 502944.3/27

All: 1734.437+/-0.215 χ^2/NDF: 918948.4/56

- sign 1733.652+/-0.307 χ^2/NDF: 415991.2/28

asym_atl_dd_reg_correction_mean vs Slug



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

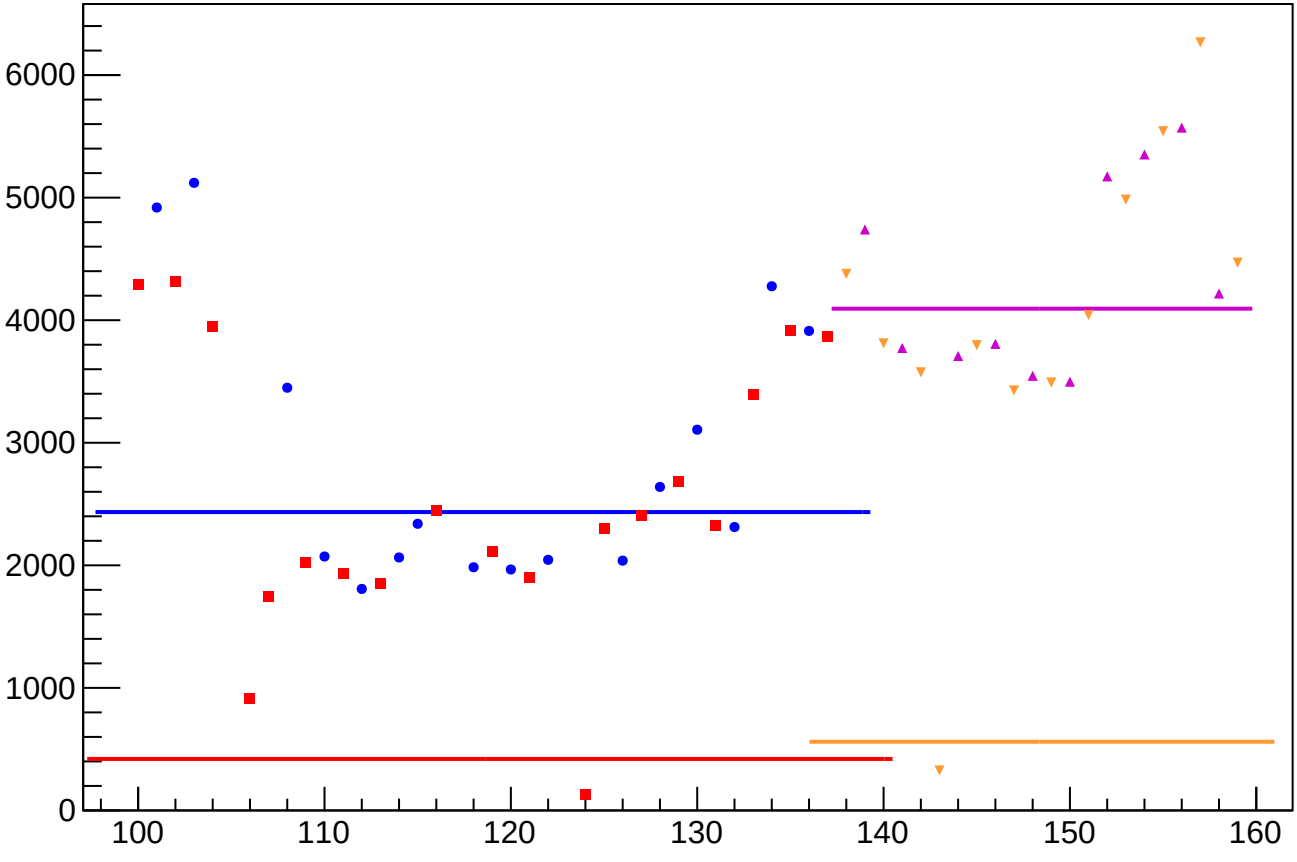
Left In: 1107.442+/-1408.088 χ^2/NDF:4.3/9

+ sign 170.028+/-331.056 χ^2/NDF: 37.4/27

All: 172.568+/-228.388 χ^2/NDF: 63.0/56

- sign 174.874+/-315.485 χ^2/NDF: 25.6/28

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

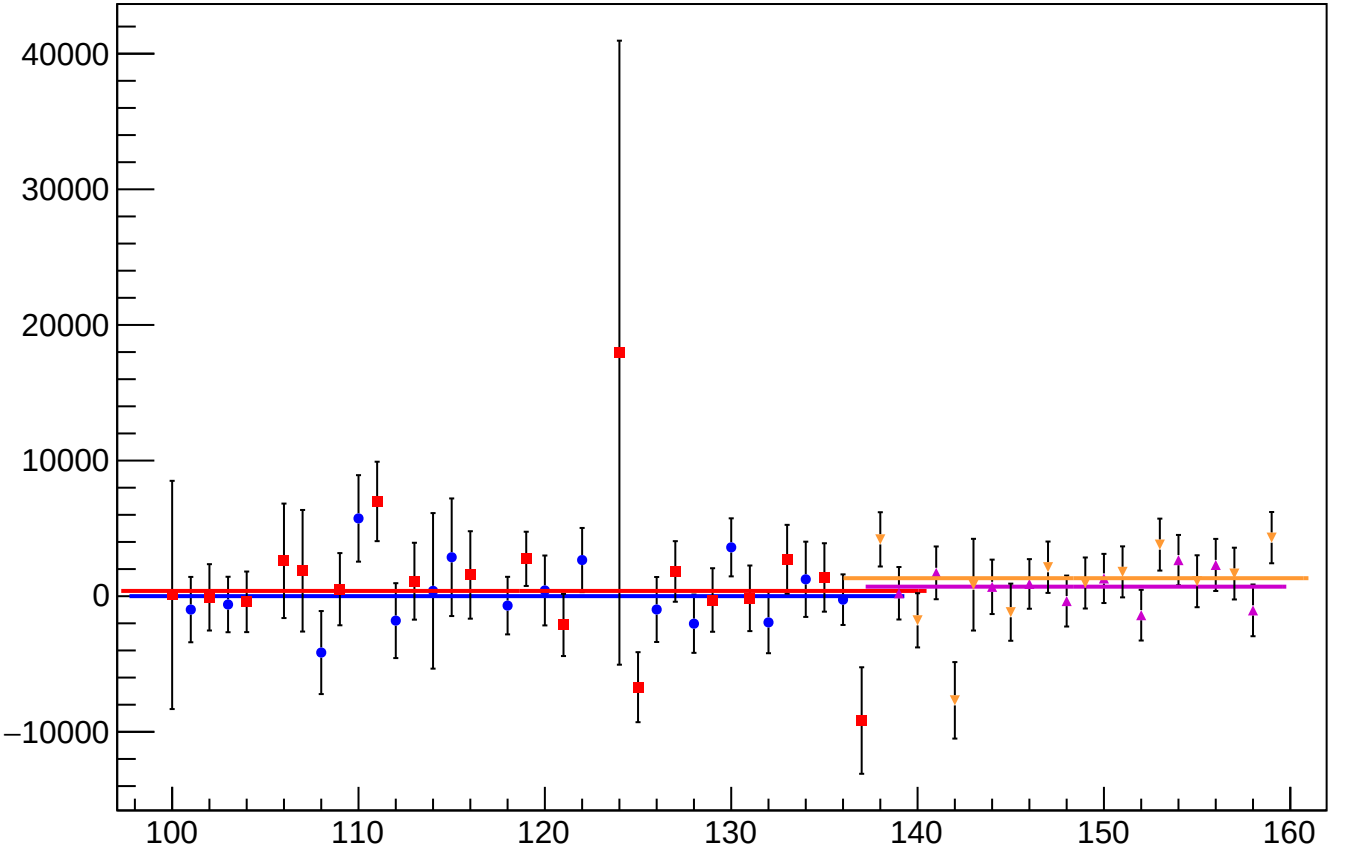
Left In: 4094.037+/-0.996 χ^2/NDF:453799.8/9

+ sign 782.811+/-0.234 χ^2/NDF: 21968564.5/27

All: 689.474+/-0.161 χ^2/NDF: 46720351.4/56

- sign 604.712+/-0.223 χ^2/NDF: 24448440.2/28

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

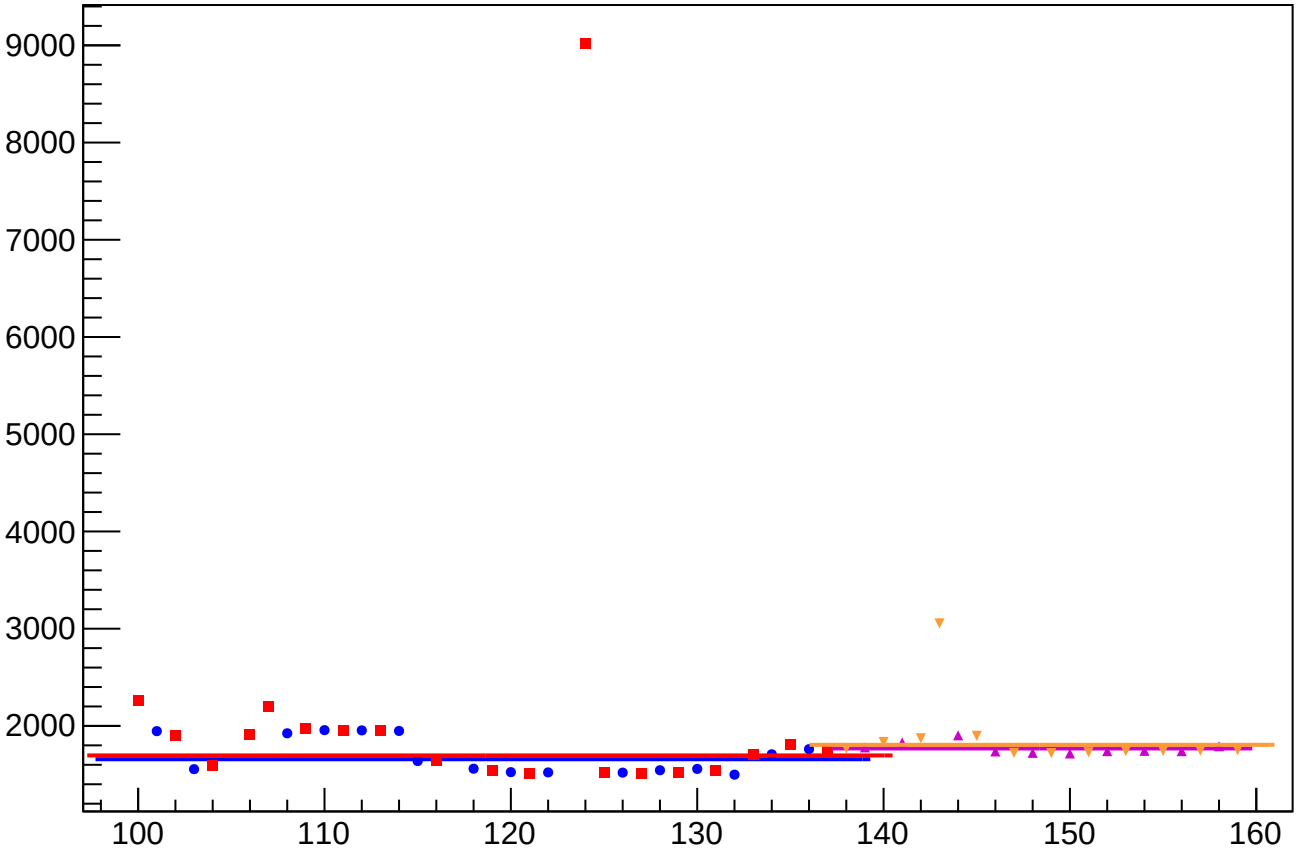
Left In: 703.071+/-598.821 χ^2/NDF:4.7/9

+ sign 700.022+/-426.977 χ^2/NDF: 35.4/27

All: 628.870+/-304.796 χ^2/NDF: 64.4/56

- sign 554.939+/-435.235 χ^2/NDF: 28.9/28

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

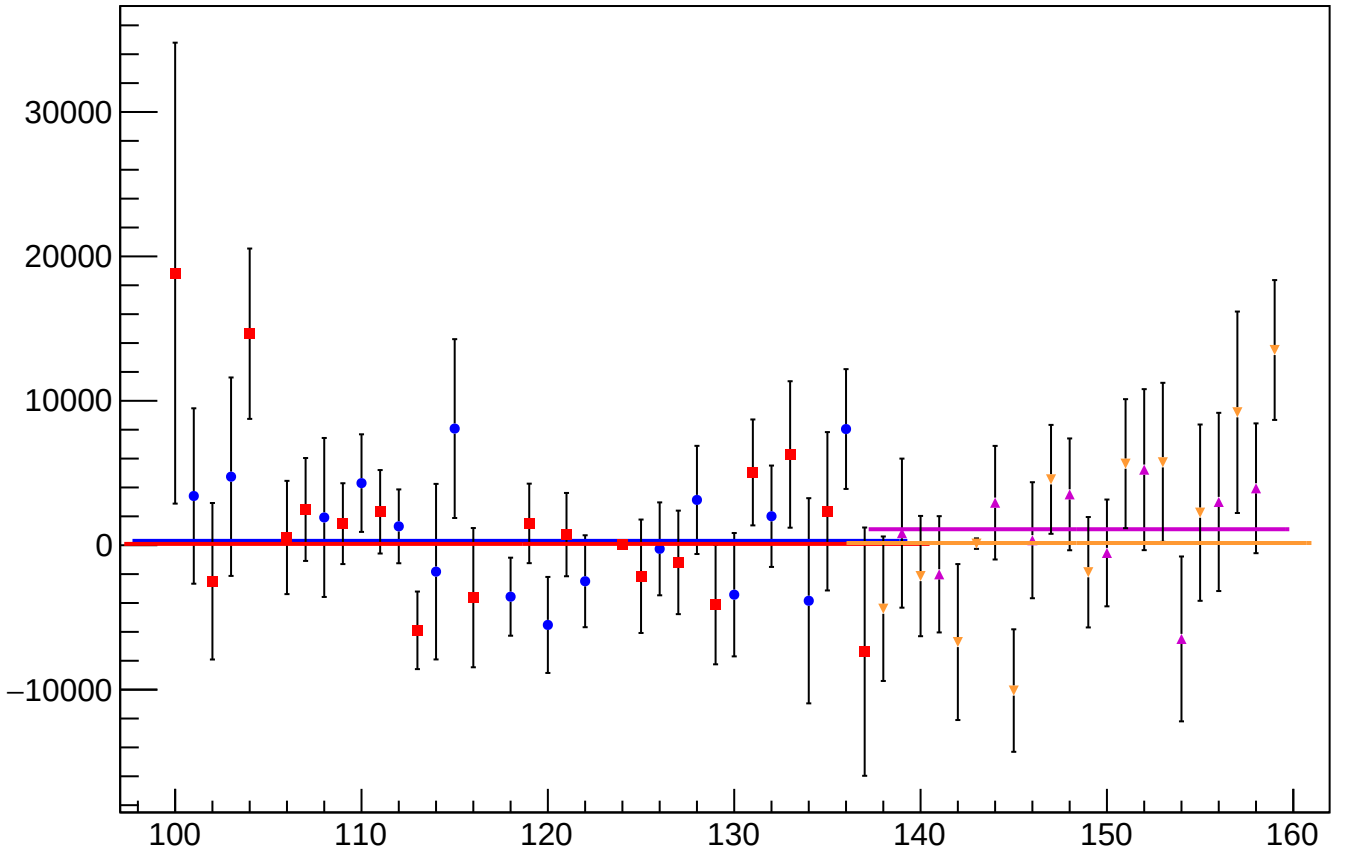
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

+ sign 1735.196+/-0.302 χ^2/NDF: 502944.5/27

All: 1734.630+/-0.215 χ^2/NDF: 920392.7/56

- sign 1734.045+/-0.307 χ^2/NDF: 417441.1/28



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

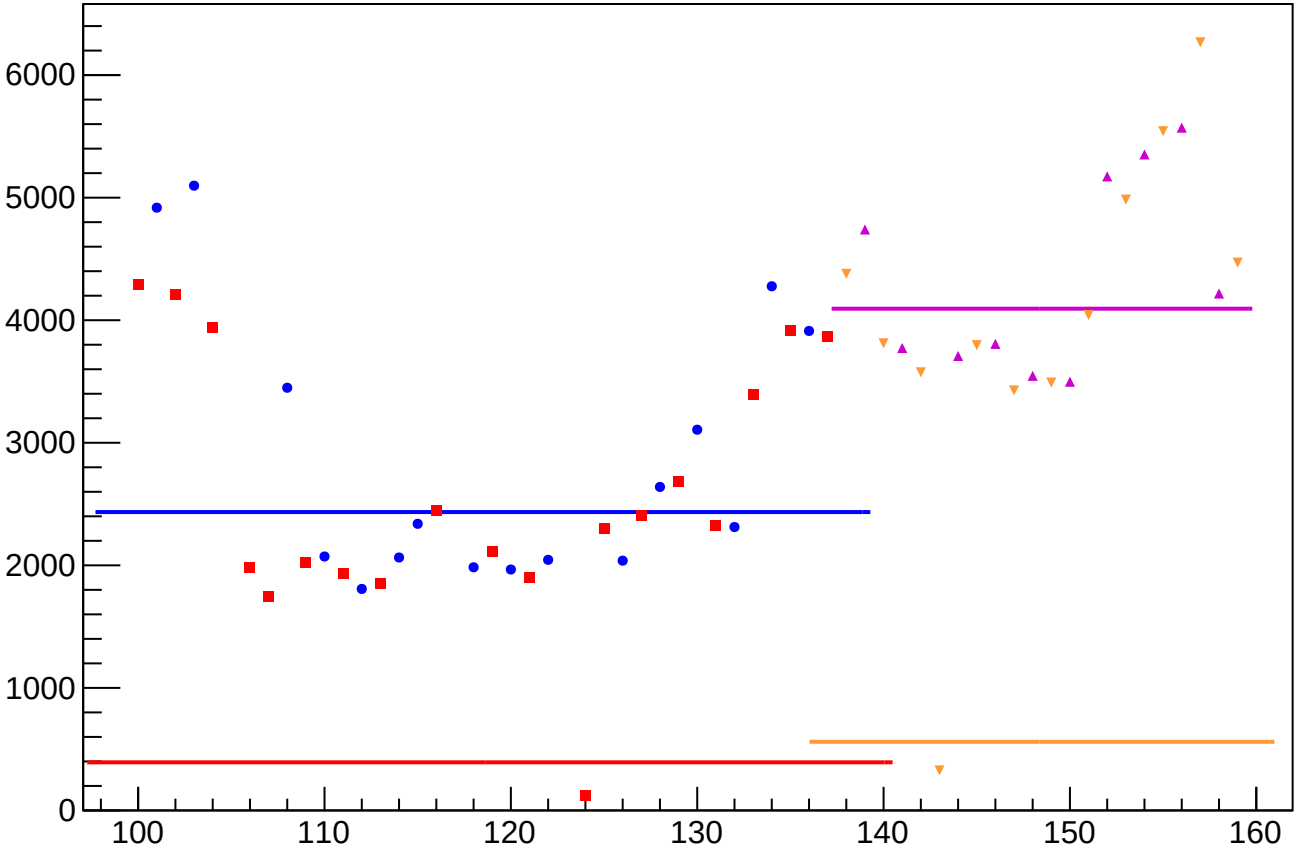
Left In: 1107.491+/-1408.086 χ^2/NDF:4.3/9

+ sign 171.906+/-331.029 χ^2/NDF: 37.5/27

All: 155.266+/-225.533 χ^2/NDF: 62.9/56

- sign 140.851+/-308.106 χ^2/NDF: 25.4/28

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

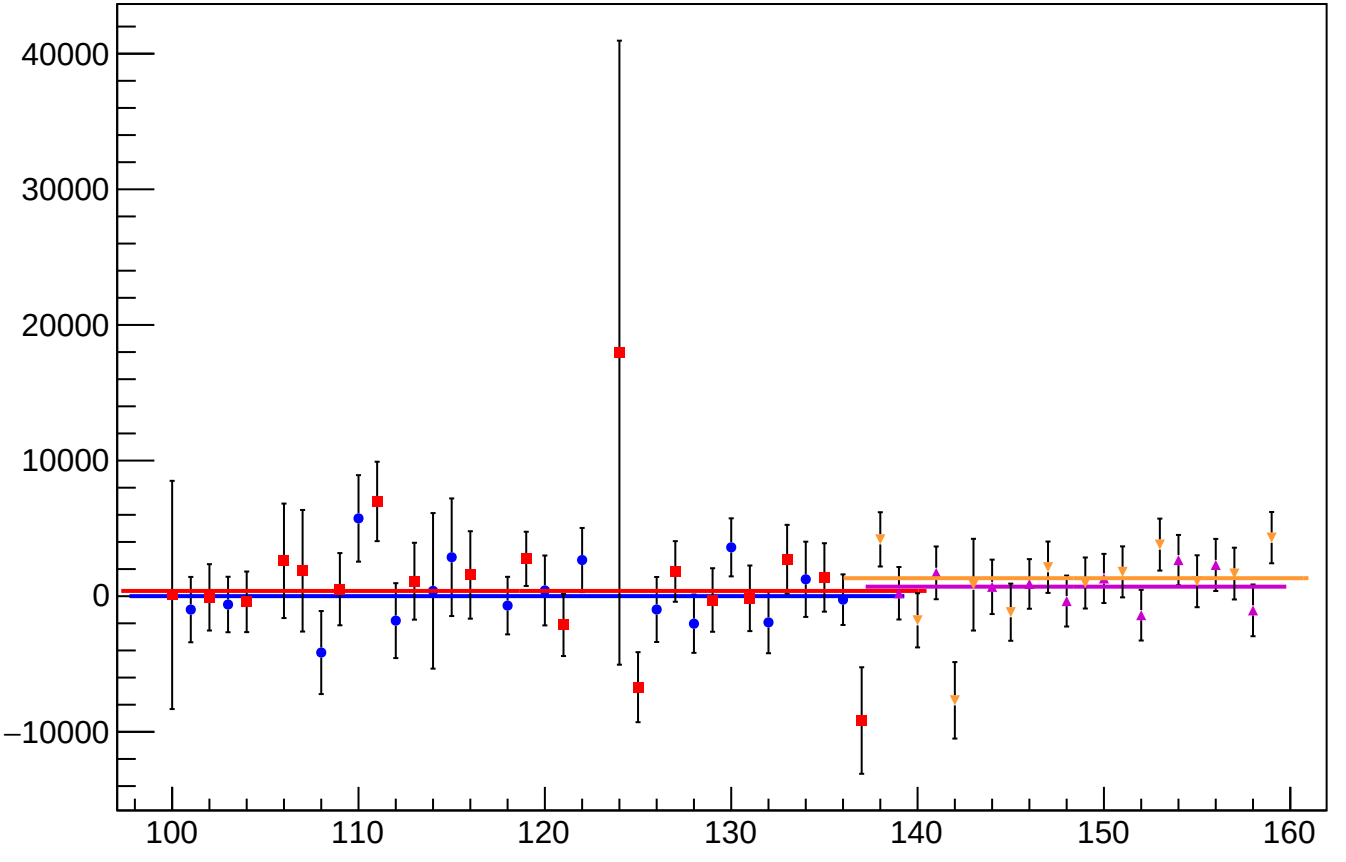
Left In: 4094.034+/-0.996 χ^2/NDF:453793.1/9

+ sign 782.795+/-0.234 χ^2/NDF: 21970391.6/27

All: 668.712+/-0.159 χ^2/NDF: 47433470.5/56

- sign 569.881+/-0.218 χ^2/NDF: 25019752.9/28

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

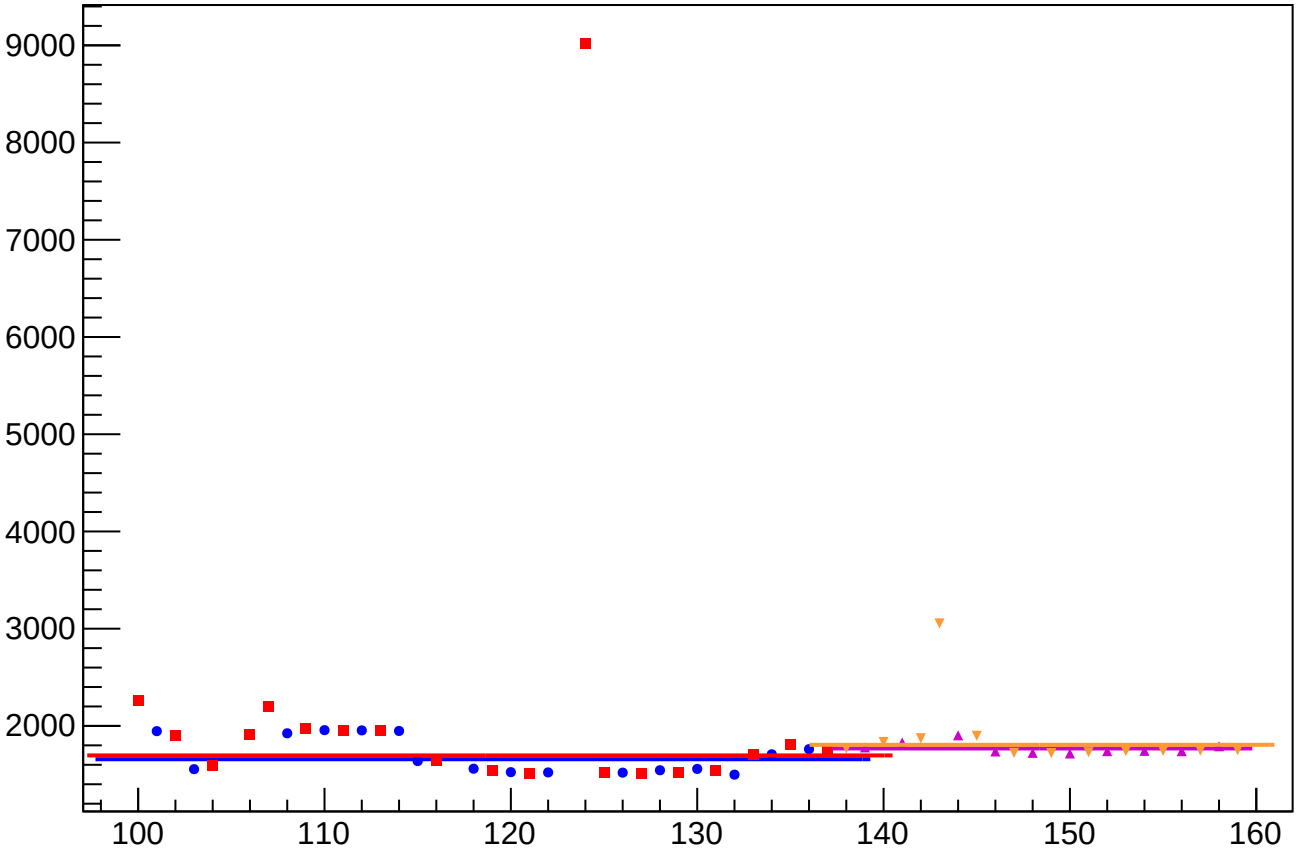
Left In: 703.071+/-598.821 χ^2/NDF:4.7/9

+ sign 700.022+/-426.977 χ^2/NDF: 35.4/27

All: 628.870+/-304.796 χ^2/NDF: 64.4/56

- sign 554.939+/-435.235 χ^2/NDF: 28.9/28

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

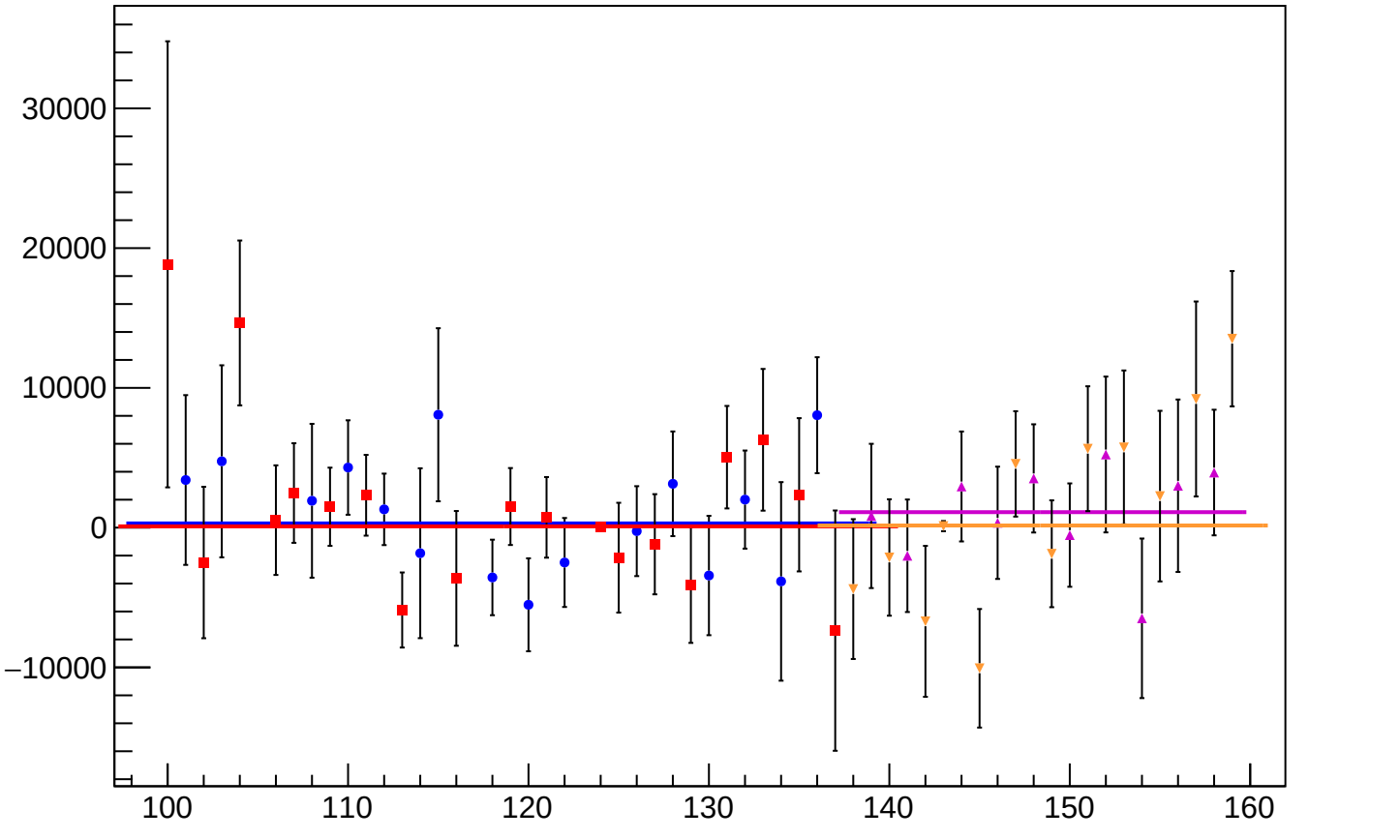
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1767.902+/-0.423 χ^2/NDF:15972.1/9

+ sign 1735.196+/-0.302 χ^2/NDF: 502944.5/27

All: 1734.630+/-0.215 χ^2/NDF: 920392.7/56

- sign 1734.045+/-0.307 χ^2/NDF: 417441.1/28



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

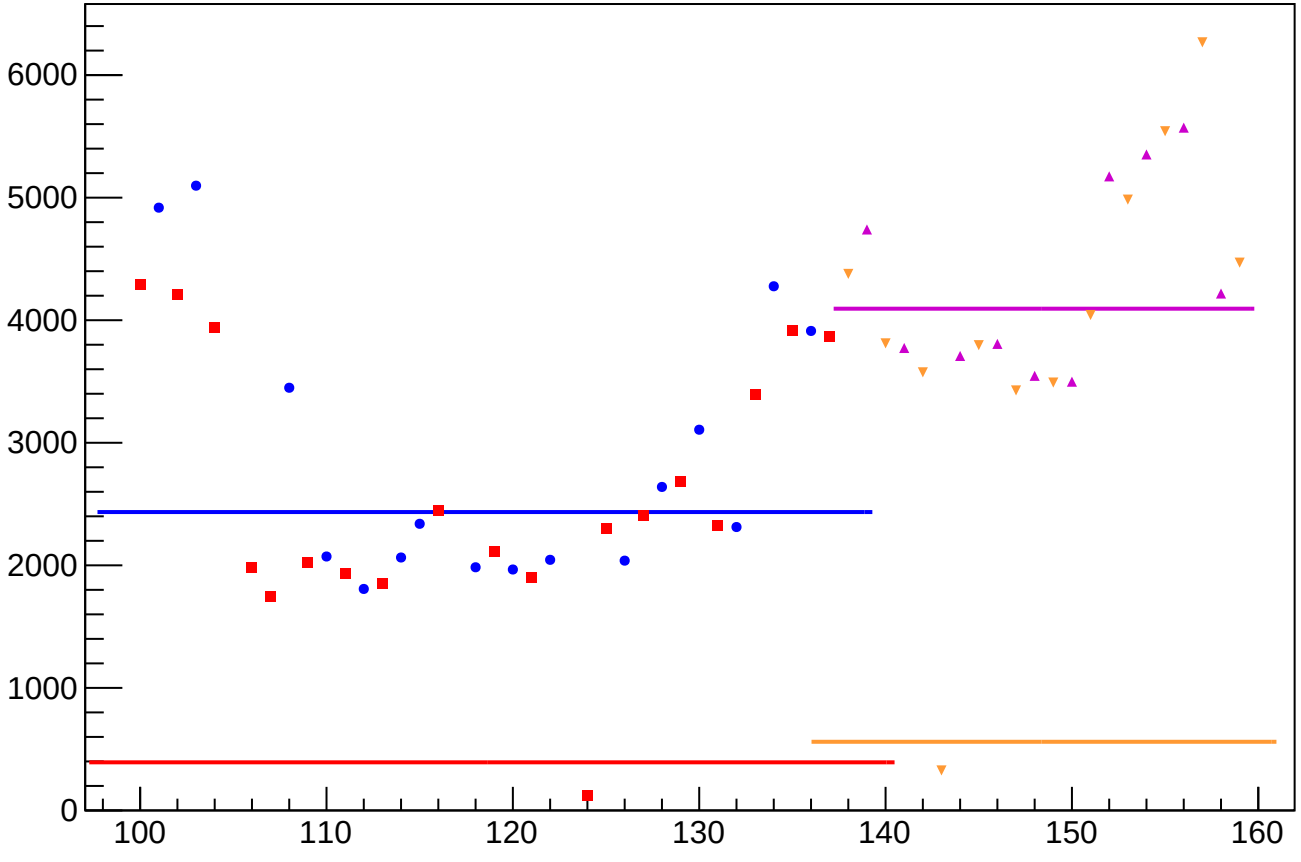
Left In: 1107.491+/-1408.086 χ^2/NDF:4.3/9

+ sign 171.906+/-331.029 χ^2/NDF: 37.5/27

All: 155.266+/-225.533 χ^2/NDF: 62.9/56

- sign 140.851+/-308.106 χ^2/NDF: 25.4/28

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

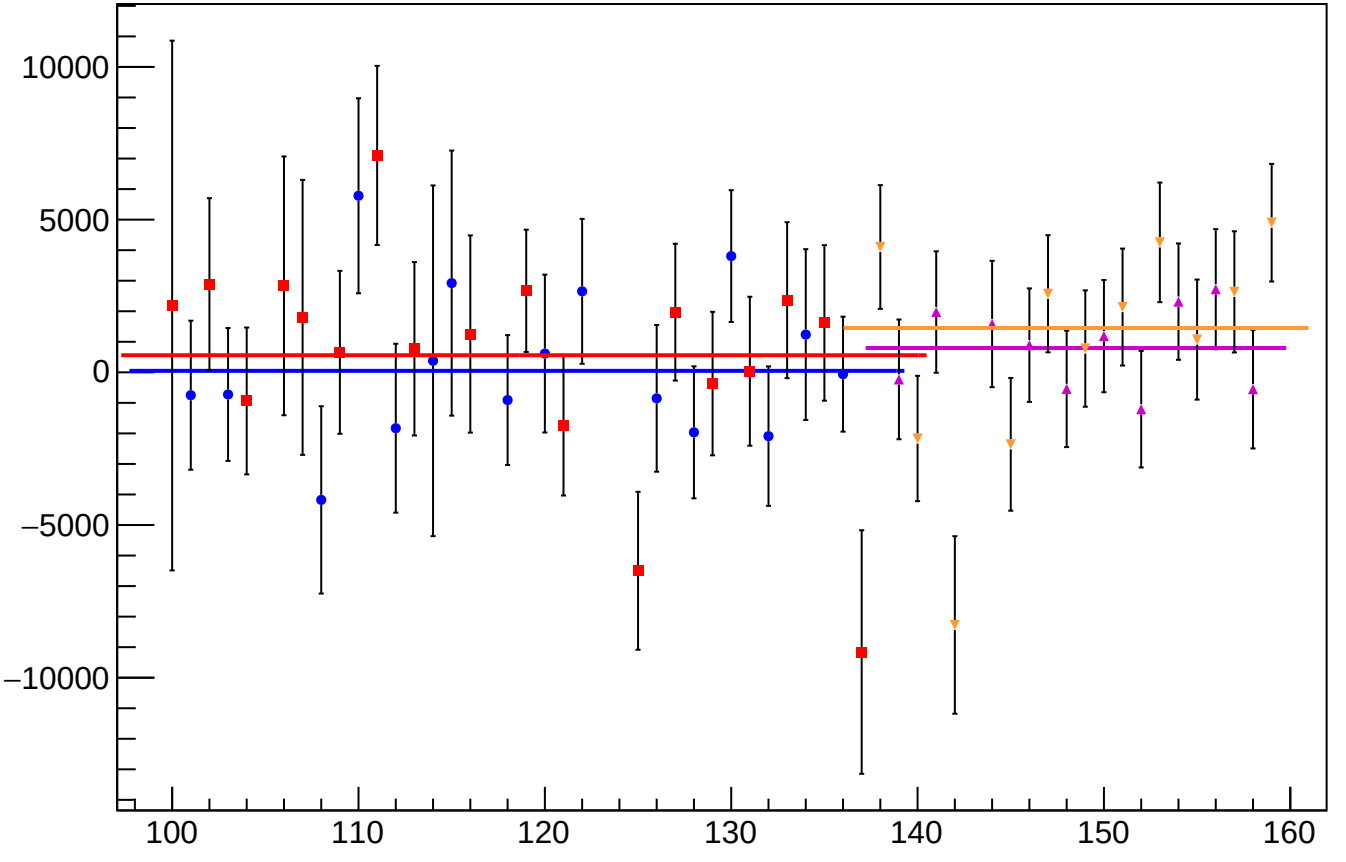
Left In: 4094.034+/-0.996 χ^2/NDF:453793.1/9

+ sign 782.795+/-0.234 χ^2/NDF: 21970391.6/27

All: 668.712+/-0.159 χ^2/NDF: 47433470.5/56

- sign 569.881+/-0.218 χ^2/NDF: 25019752.9/28

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

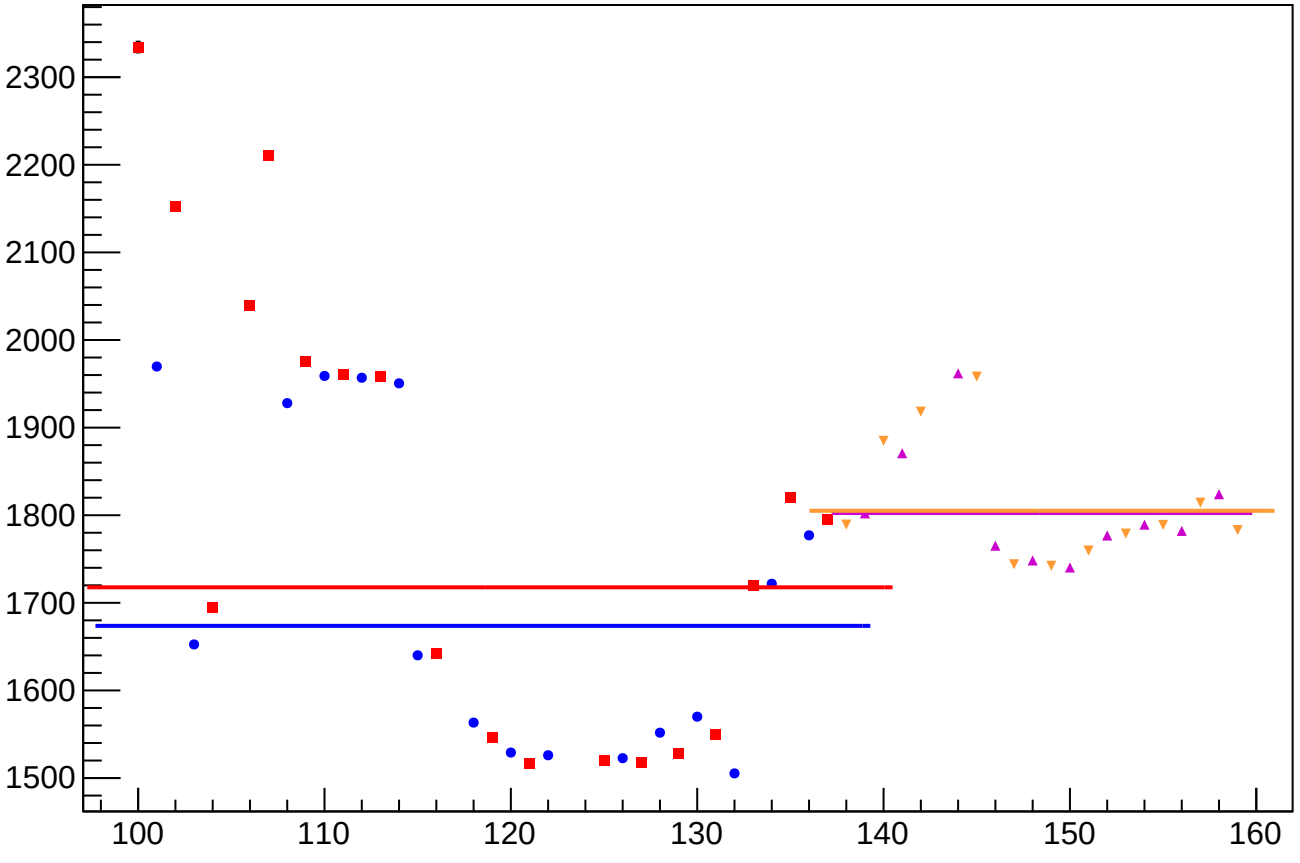
Left In: 795.722+/-610.656 χ^2/NDF:4.5/9

+ sign 766.932+/-437.461 χ^2/NDF: 40.7/26

All: 726.120+/-311.458 χ^2/NDF: 68.6/54

- sign 684.167+/-443.538 χ^2/NDF: 27.8/27

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

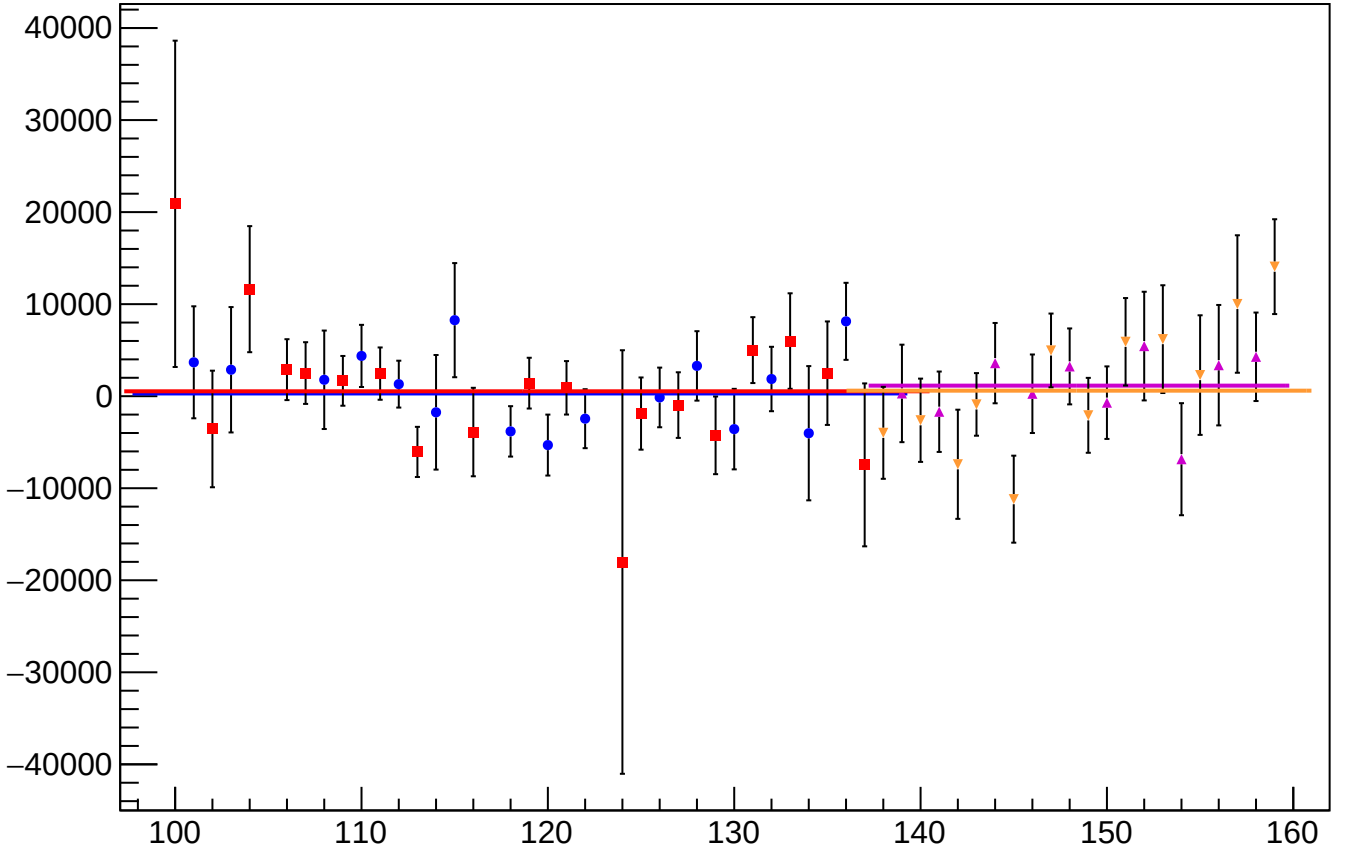
Left In: 1802.564+/-0.432 χ^2/NDF:19872.0/9

+ sign 1740.970+/-0.309 χ^2/NDF: 208150.8/26

All: 1751.538+/-0.220 χ^2/NDF: 476317.0/54

- sign 1762.379+/-0.313 χ^2/NDF: 265801.6/27

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

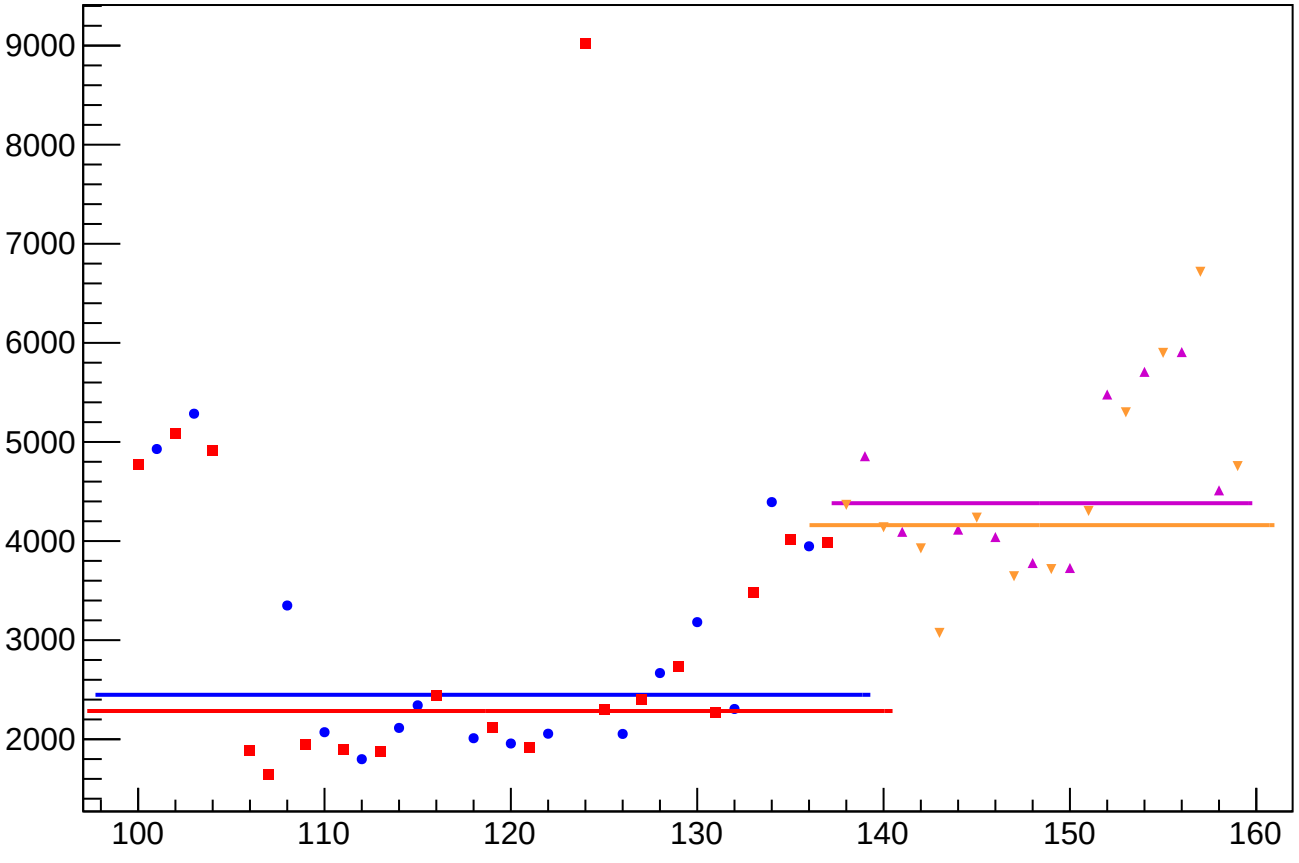
Left In: 1146.144+/-1505.805 χ^2/NDF:4.1/9

\+ sign 395.865+/-790.956 χ^2/NDF: 37.2/27

All: 547.660+/-548.886 χ^2/NDF: 60.2/56

\- sign 688.663+/-762.321 χ^2/NDF: 23.0/28

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

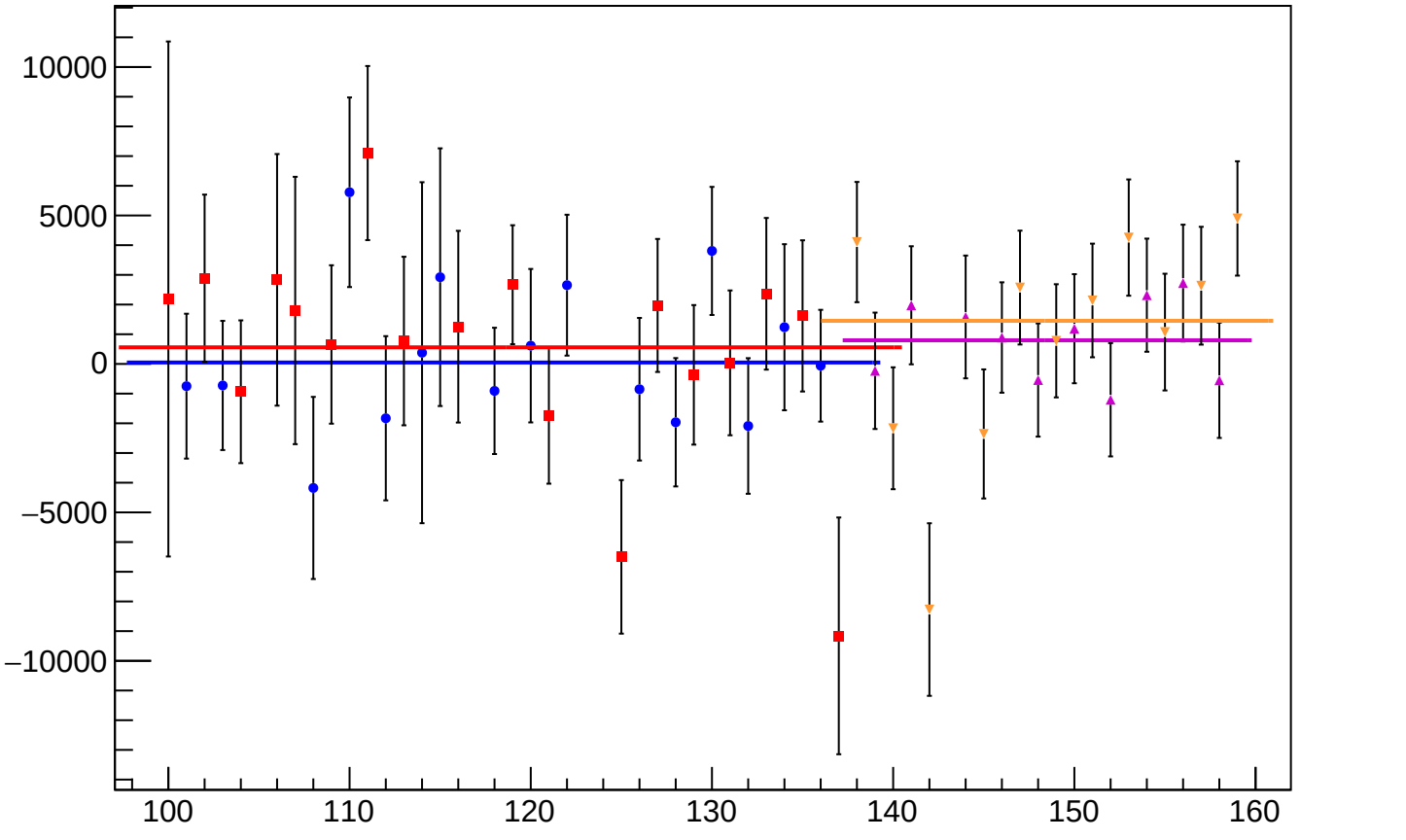
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4382.045+/-1.065 χ^2/NDF:416963.2/9

+ sign 3009.705+/-0.559 χ^2/NDF: 4332198.2/27

All: 2912.660+/-0.388 χ^2/NDF: 9240607.9/56

- sign 2822.515+/-0.539 χ^2/NDF: 4850335.6/28



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1452.160+/-611.438 χ^2/NDF:25.3/10

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

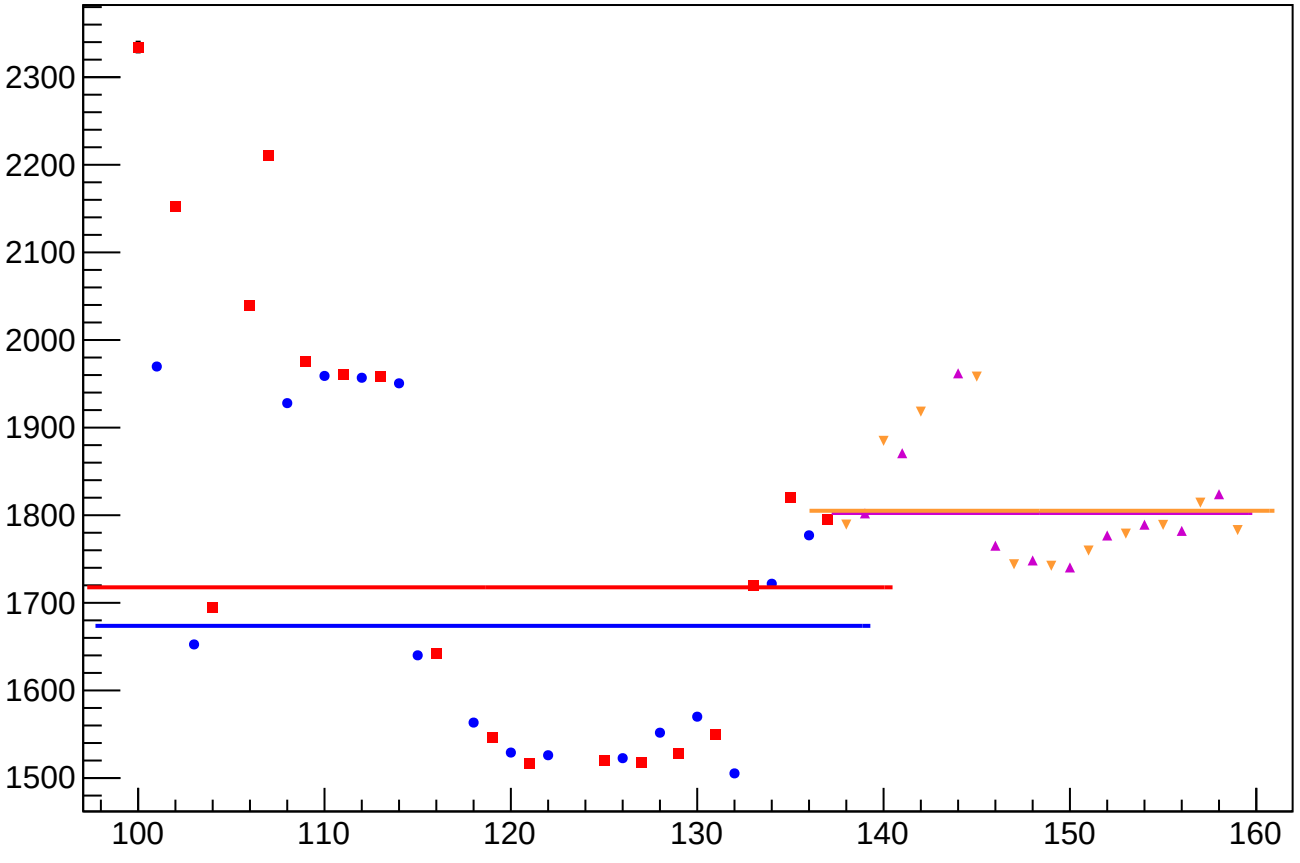
Left In: 795.725+/-610.656 χ^2/NDF:4.5/9

+ sign 766.932+/-437.461 χ^2/NDF: 40.7/26

All: 726.121+/-311.458 χ^2/NDF: 68.6/54

- sign 684.169+/-443.538 χ^2/NDF: 27.8/27

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

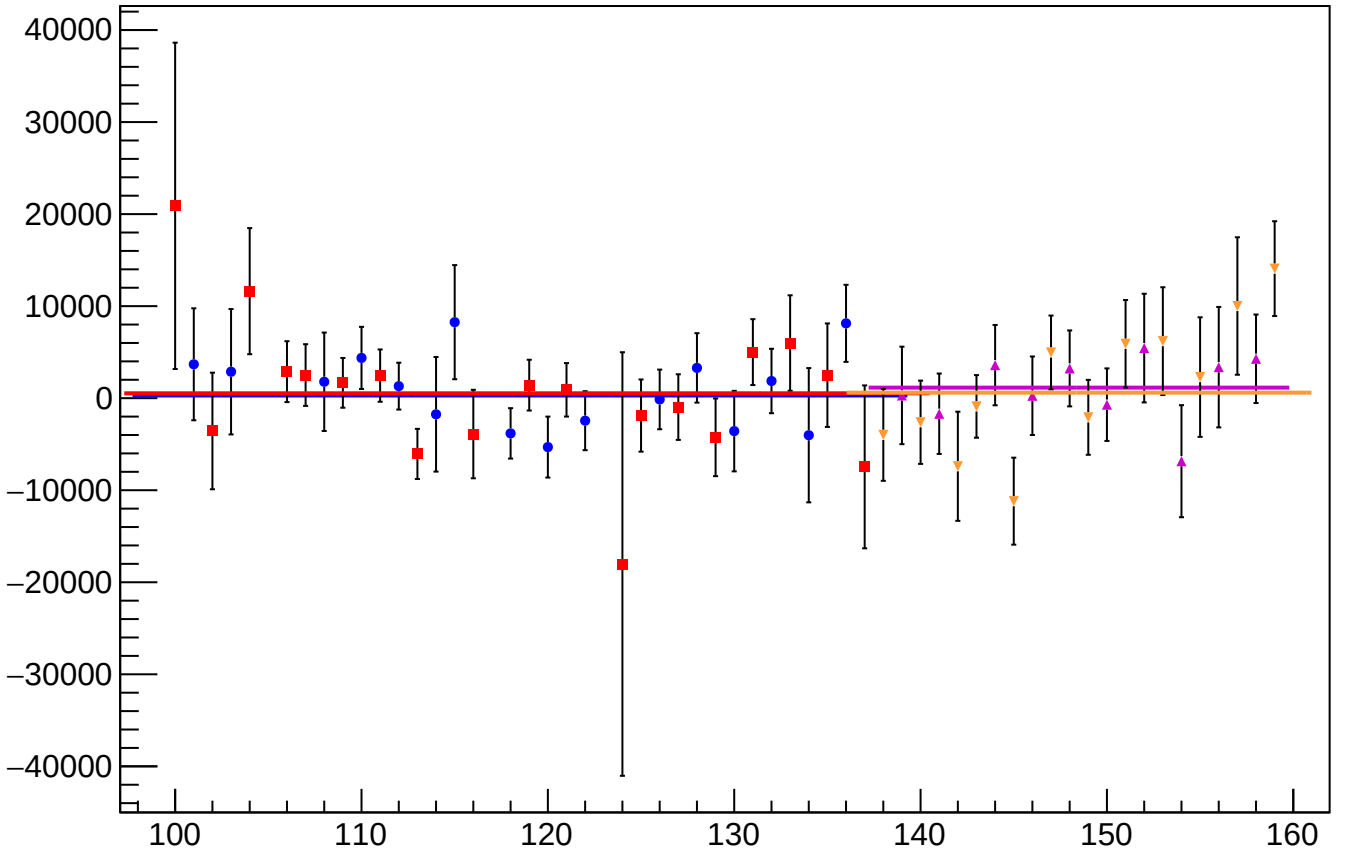
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1802.565+/-0.432 χ^2/NDF:19872.2/9

+ sign 1740.970+/-0.309 χ^2/NDF: 208152.1/26

All: 1751.539+/-0.220 χ^2/NDF: 476318.2/54

- sign 1762.379+/-0.313 χ^2/NDF: 265801.6/27



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

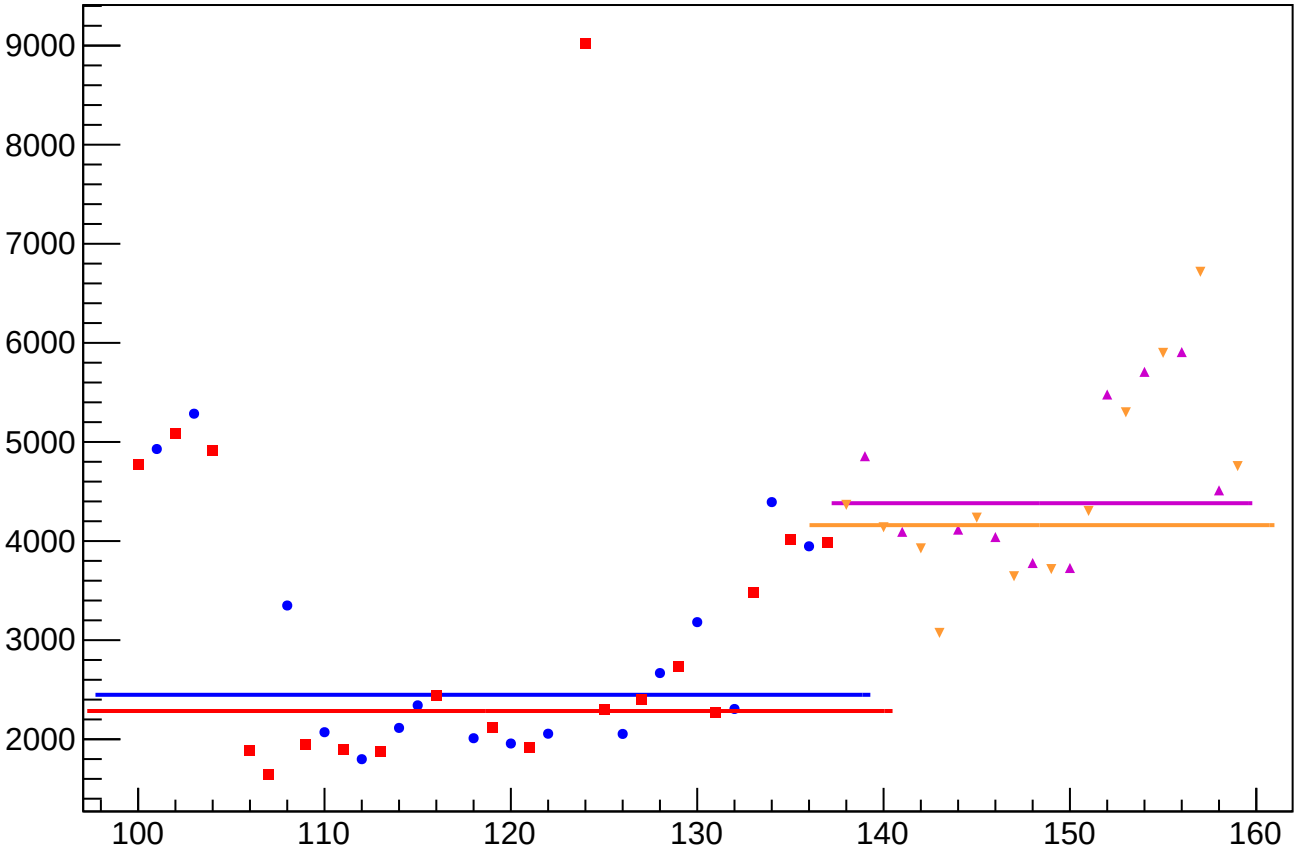
Left In: 1146.146+/-1505.807 χ^2/NDF:4.1/9

\+ sign 395.862+/-790.955 χ^2/NDF: 37.2/27

All: 547.659+/-548.885 χ^2/NDF: 60.2/56

\- sign 688.664+/-762.319 χ^2/NDF: 23.0/28

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

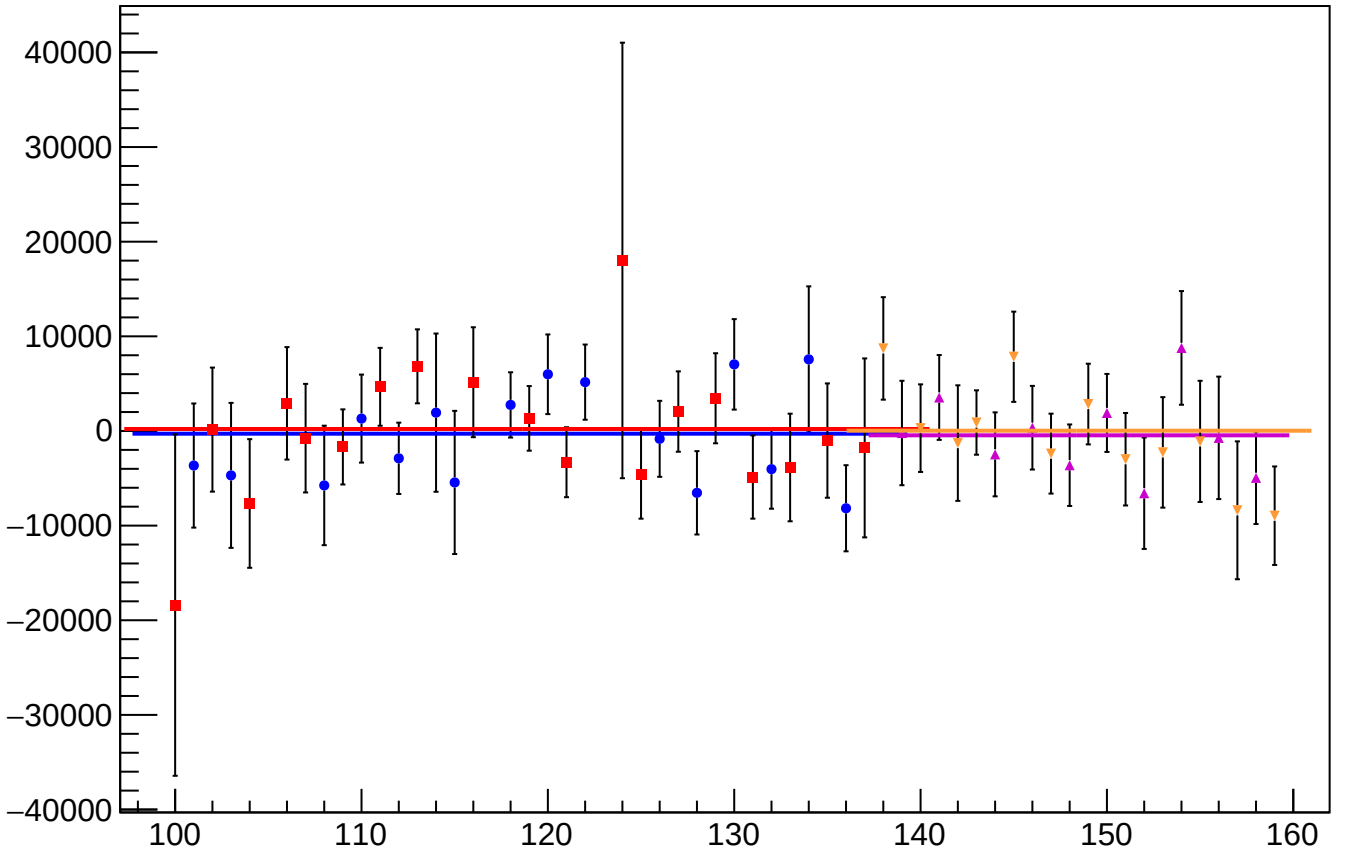
Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4382.050+/-1.065 χ^2/NDF:416966.0/9

+ sign 3009.696+/-0.559 χ^2/NDF: 4332253.8/27

All: 2912.651+/-0.388 χ^2/NDF: 9240712.2/56

- sign 2822.506+/-0.539 χ^2/NDF: 4850384.5/28



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

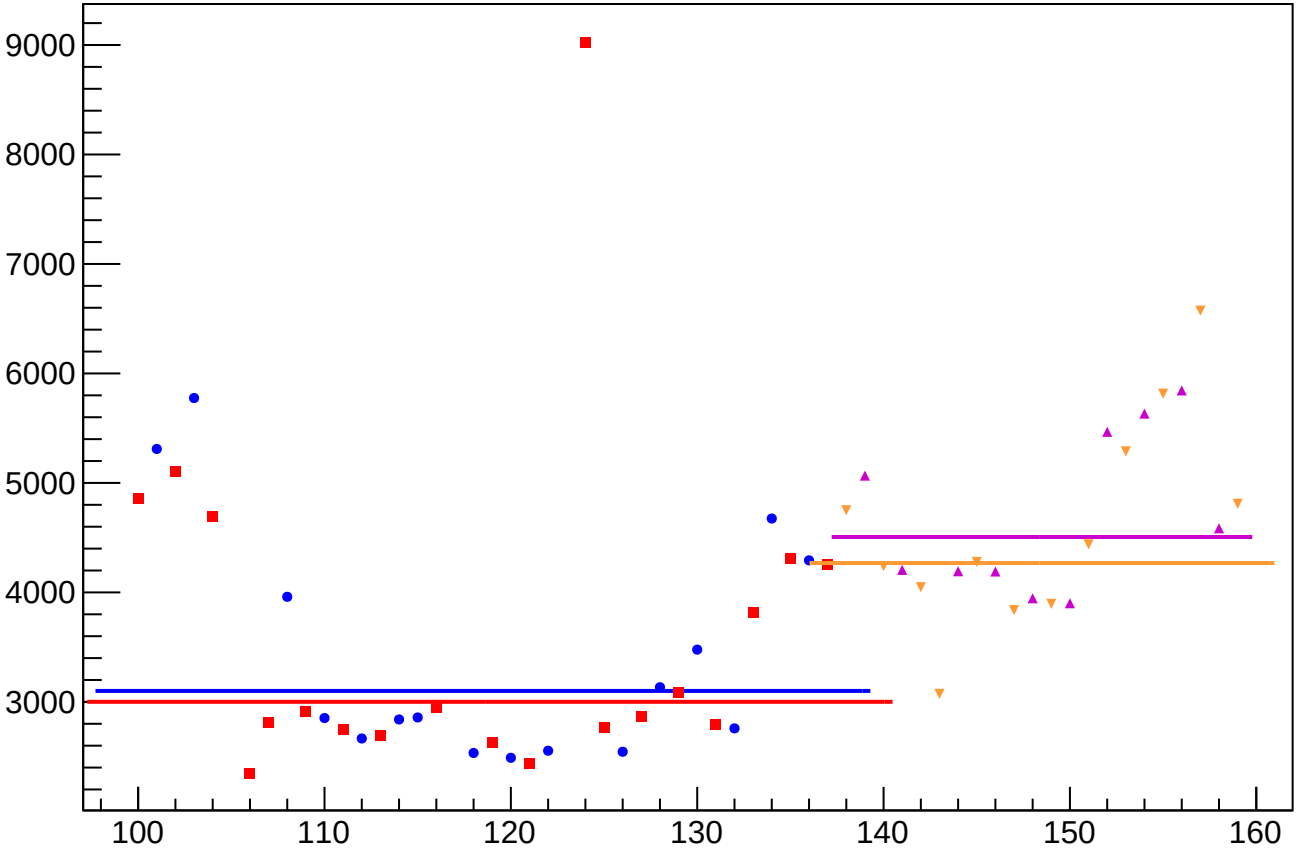
Left In: -459.595+/-1543.272 χ^2/NDF:6.2/9

+ sign -154.908+/-913.595 χ^2/NDF: 27.6/27

All: -93.364+/-649.677 χ^2/NDF: 46.8/56

- sign -30.402+/-924.059 χ^2/NDF: 19.2/28

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

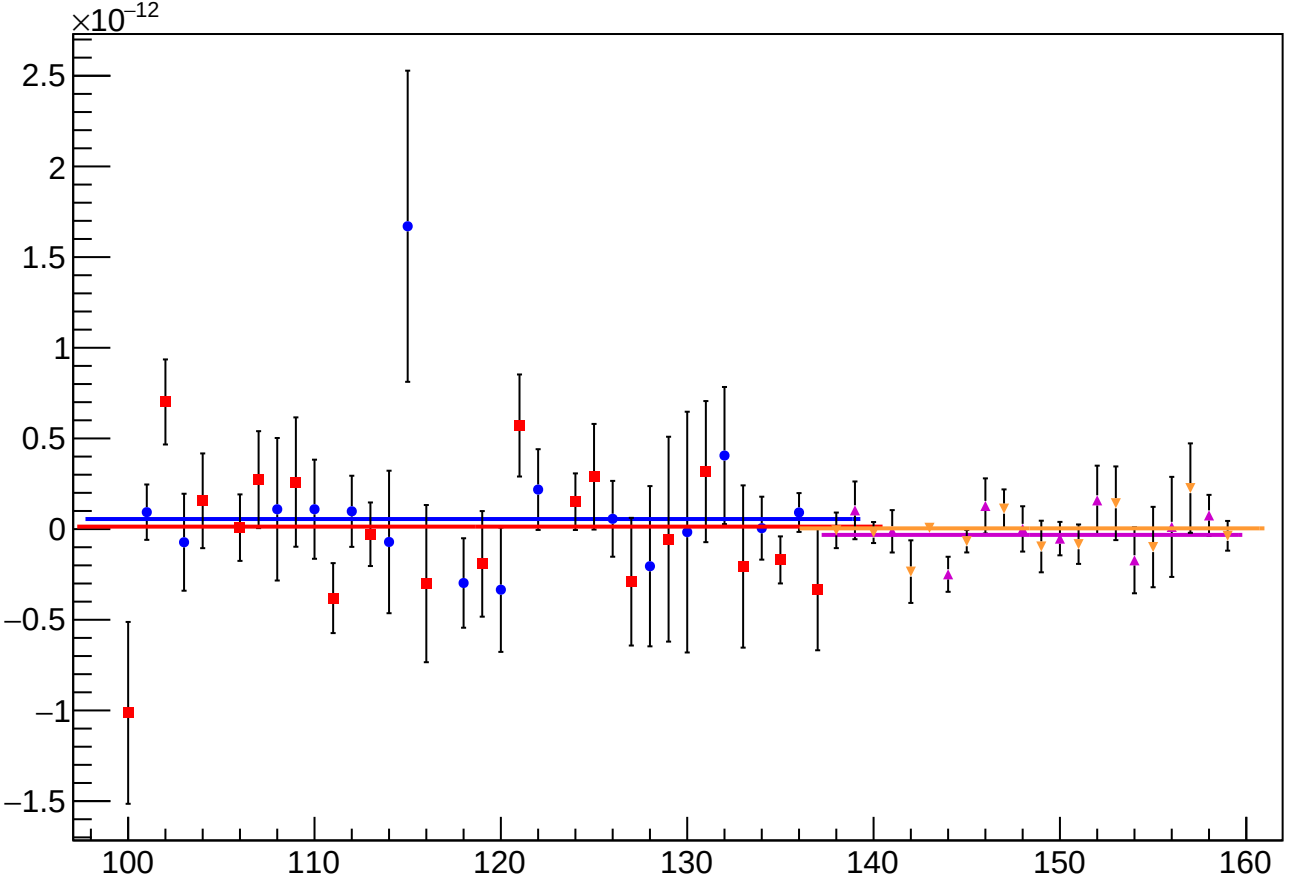
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4506.030+/-1.091 χ^2/NDF:336574.3/9

+ sign 3588.124+/-0.646 χ^2/NDF: 2462371.9/27

All: 3559.663+/-0.457 χ^2/NDF: 4841855.8/56

- sign 3531.052+/-0.648 χ^2/NDF: 2375591.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/11

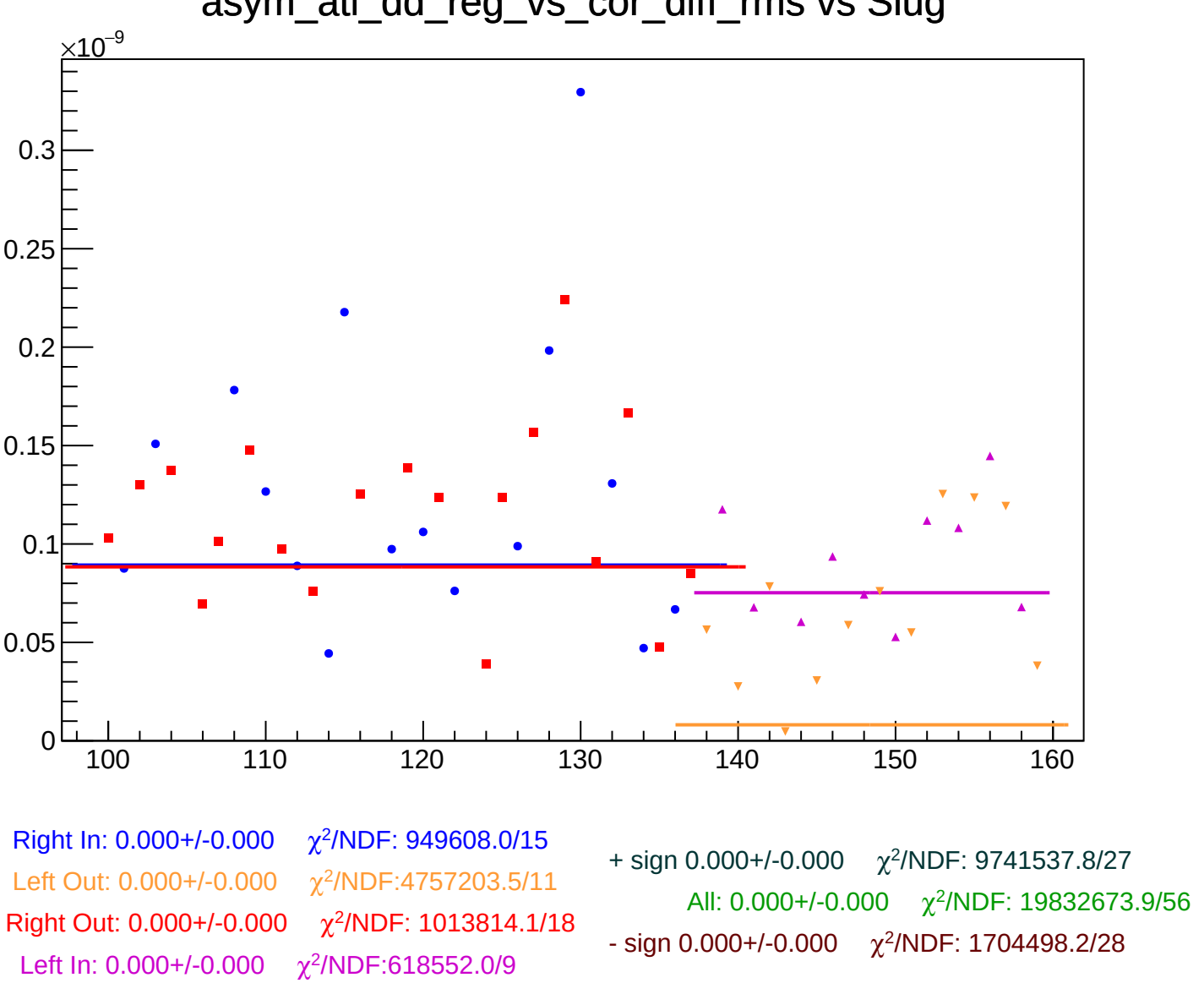
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.5/9

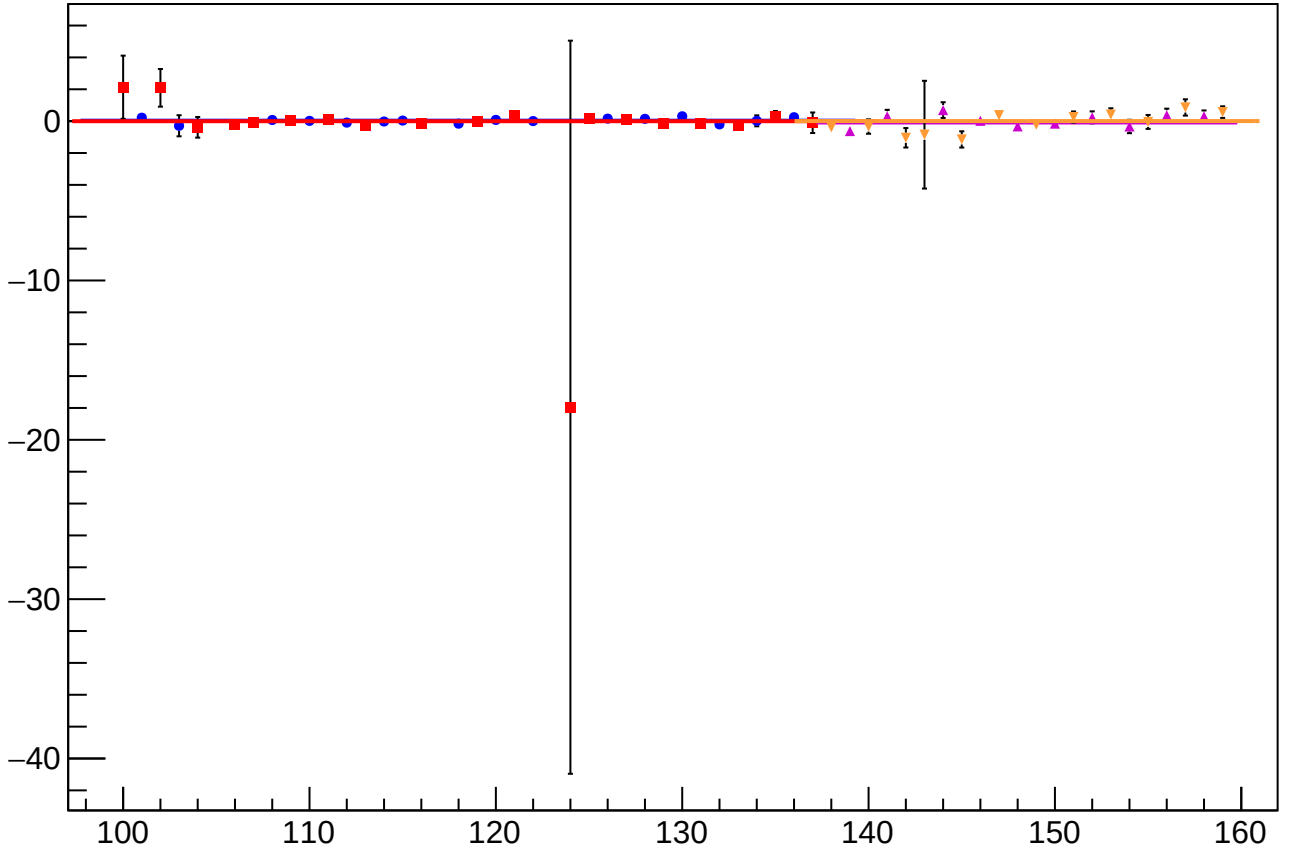
+ sign 0.000+/-0.000 χ^2/NDF: 17.6/27

All: 0.000+/-0.000 χ^2/NDF: 57.9/56

- sign -0.000+/-0.000 χ^2/NDF: 40.0/28


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:618552.0/9
+ sign 0.000+/-0.000 χ²/NDF: 9741537.8/27
All: 0.000+/-0.000 χ²/NDF: 19832673.9/56
- sign 0.000+/-0.000 χ²/NDF: 1704498.2/28

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

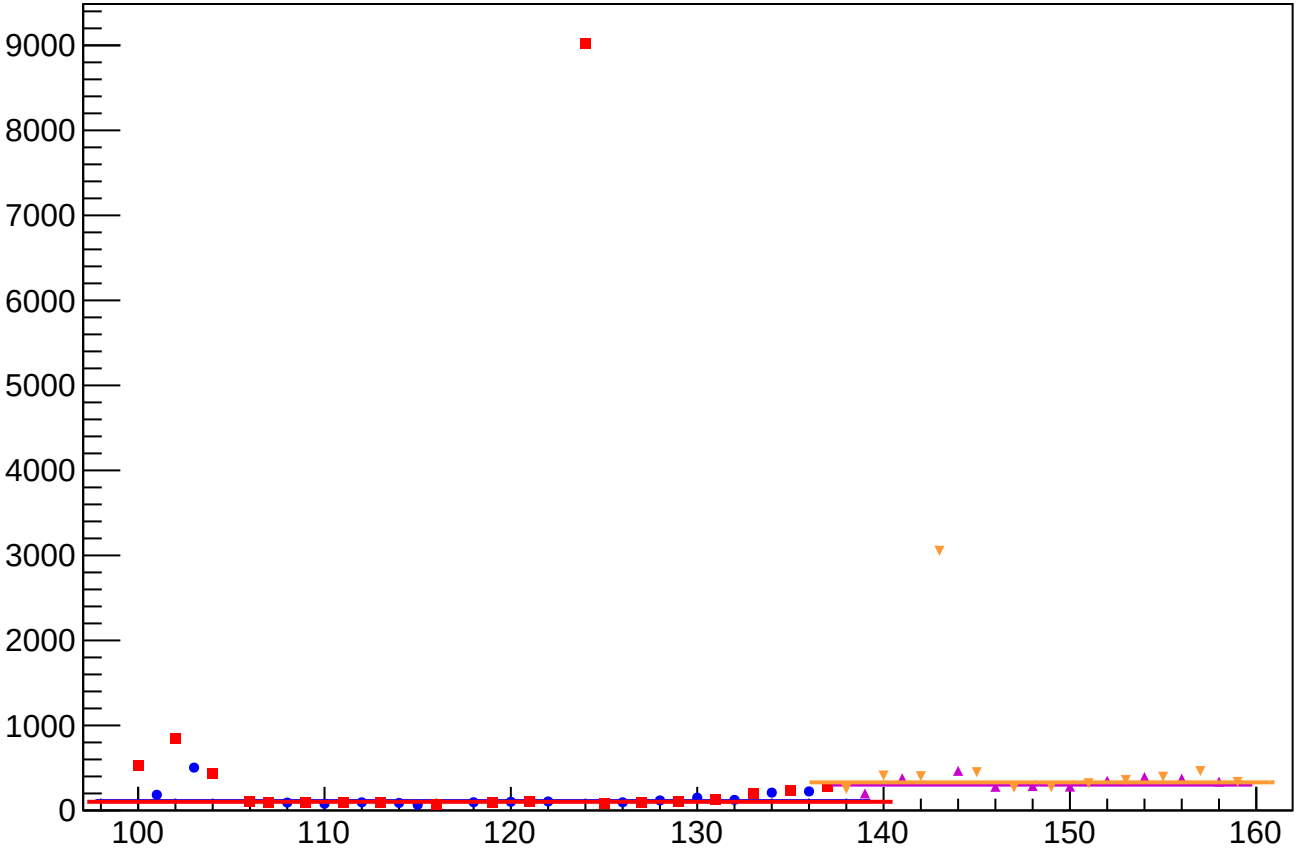
Left In: -0.085+/-0.107 χ^2/NDF:13.0/9

+ sign 0.025+/-0.042 χ^2/NDF: 28.3/27

All: 0.004+/-0.029 χ^2/NDF: 64.7/56

- sign -0.015+/-0.040 χ^2/NDF: 35.9/28

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

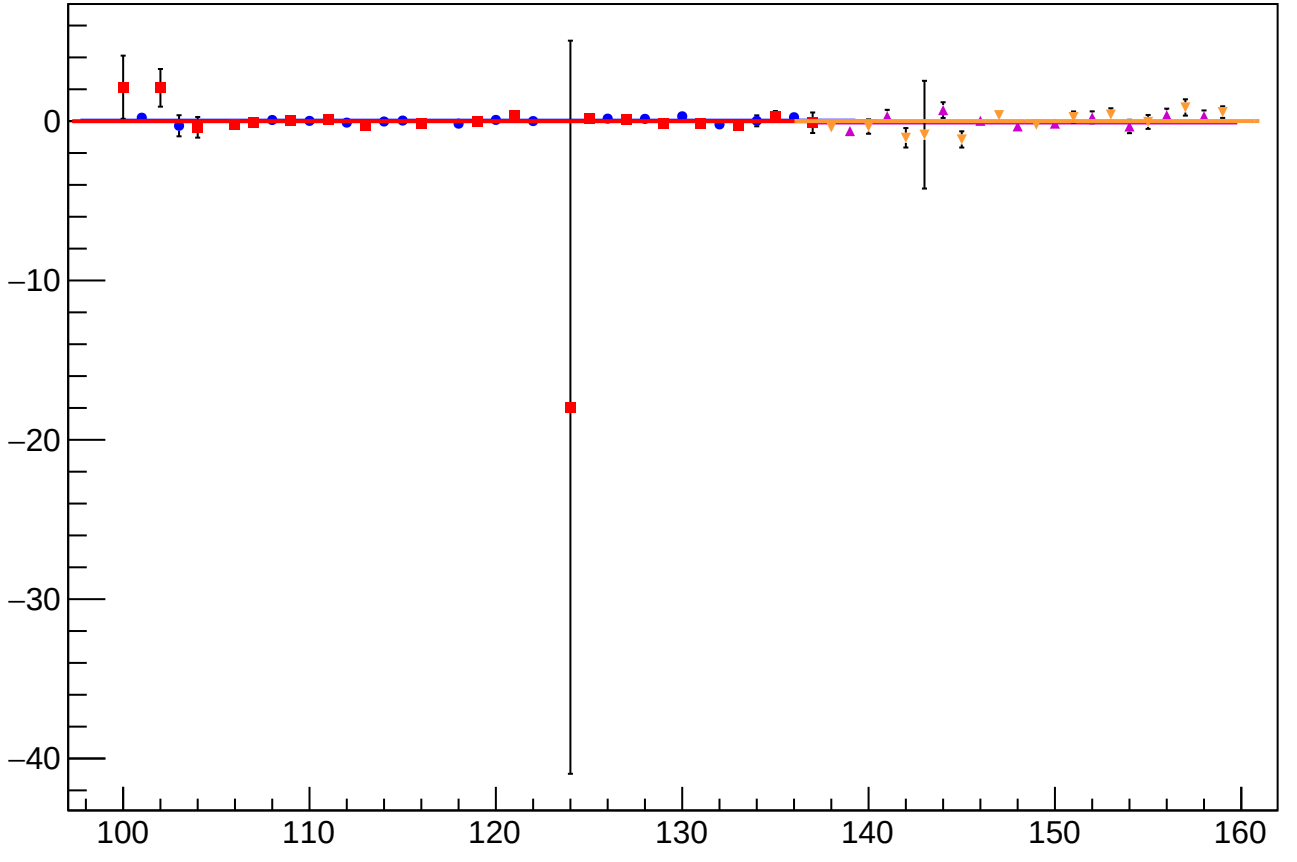
Left In: 304.028+/-0.076 χ^2/NDF:913097.0/9

+ sign 140.061+/-0.030 χ^2/NDF: 10388935.7/27

All: 134.985+/-0.021 χ^2/NDF: 20075134.7/56

- sign 130.358+/-0.028 χ^2/NDF: 9630631.6/28

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

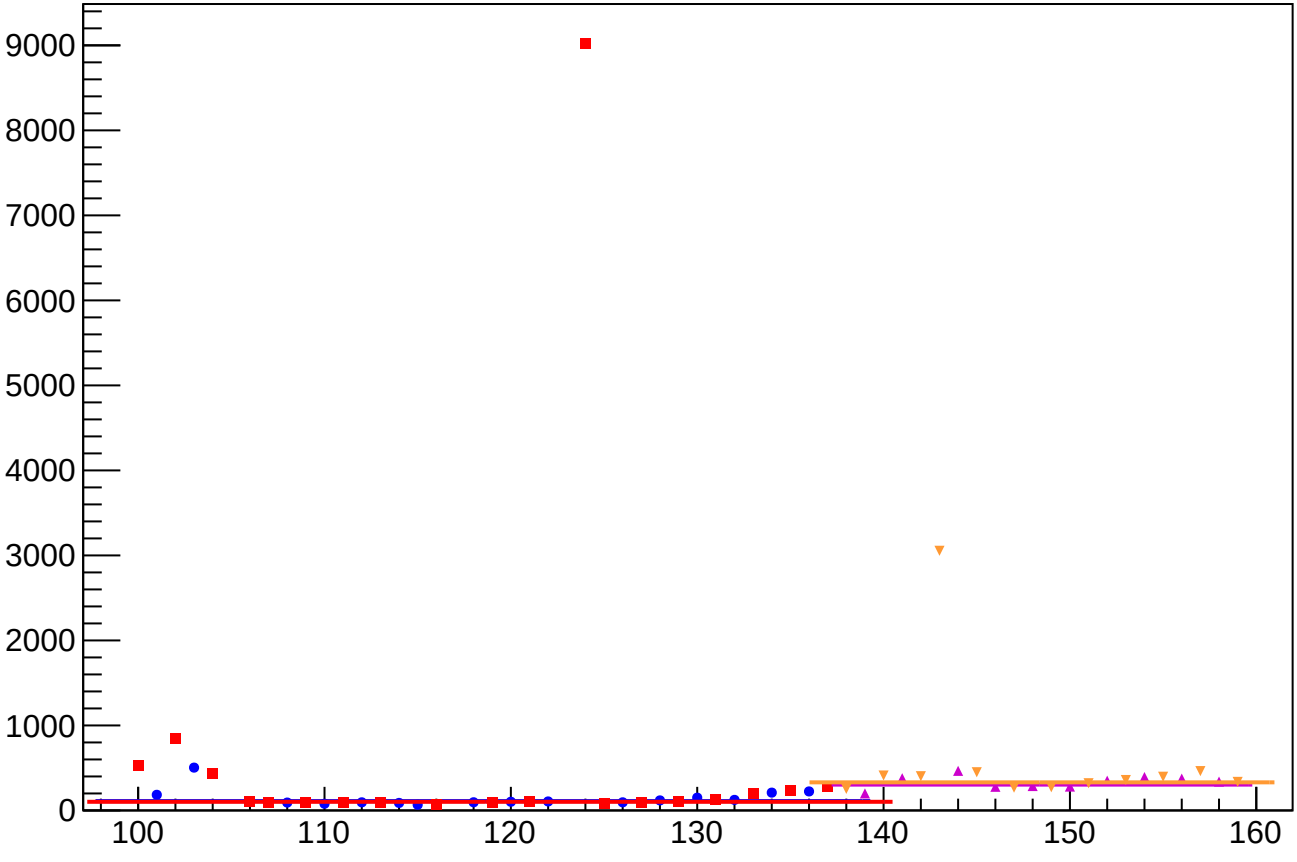
Left In: -0.085+/-0.107 χ^2/NDF:13.0/9

+ sign 0.025+/-0.042 χ^2/NDF: 28.3/27

All: 0.004+/-0.029 χ^2/NDF: 64.7/56

- sign -0.015+/-0.040 χ^2/NDF: 35.9/28

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

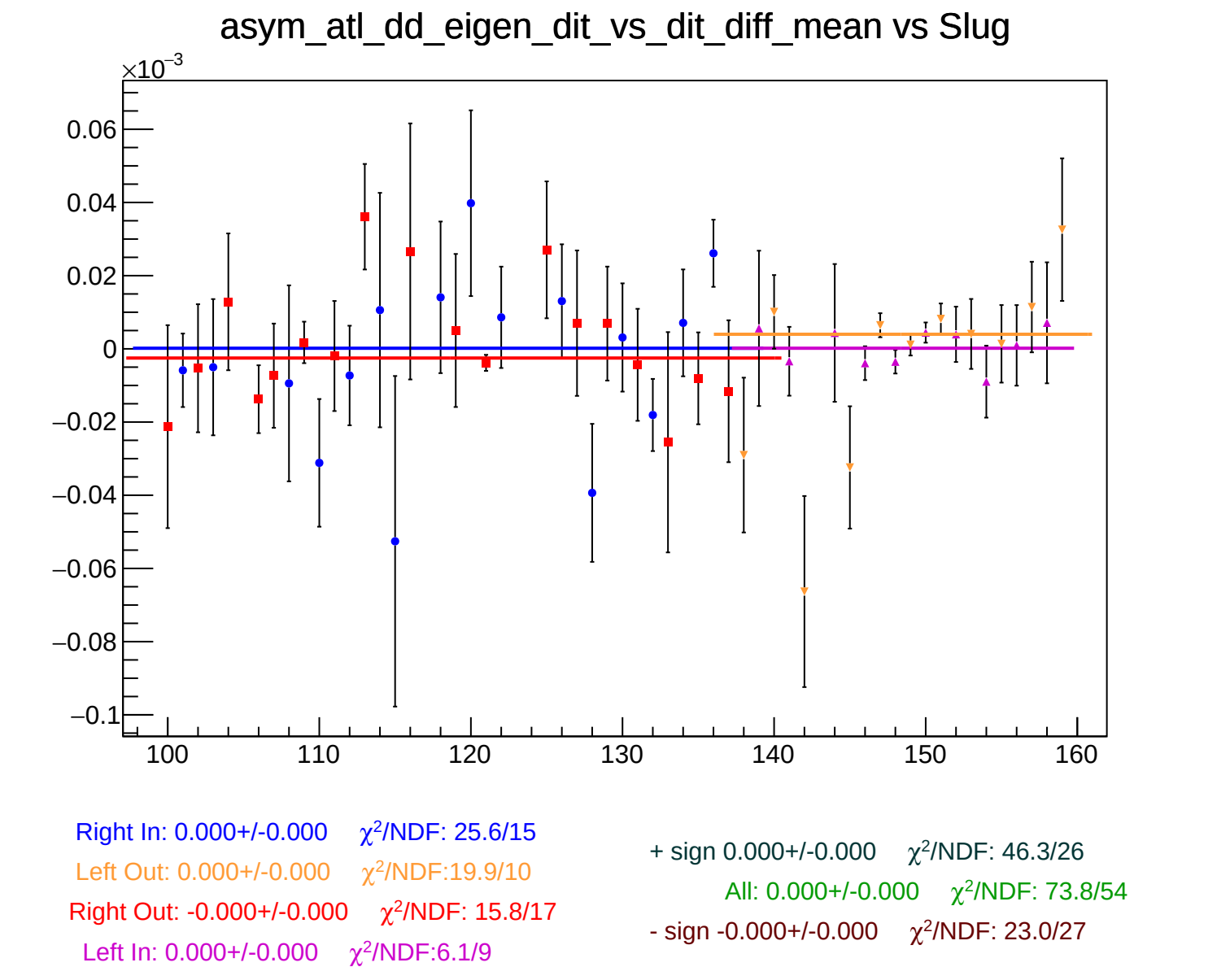
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 304.028+/-0.076 χ^2/NDF:913097.0/9

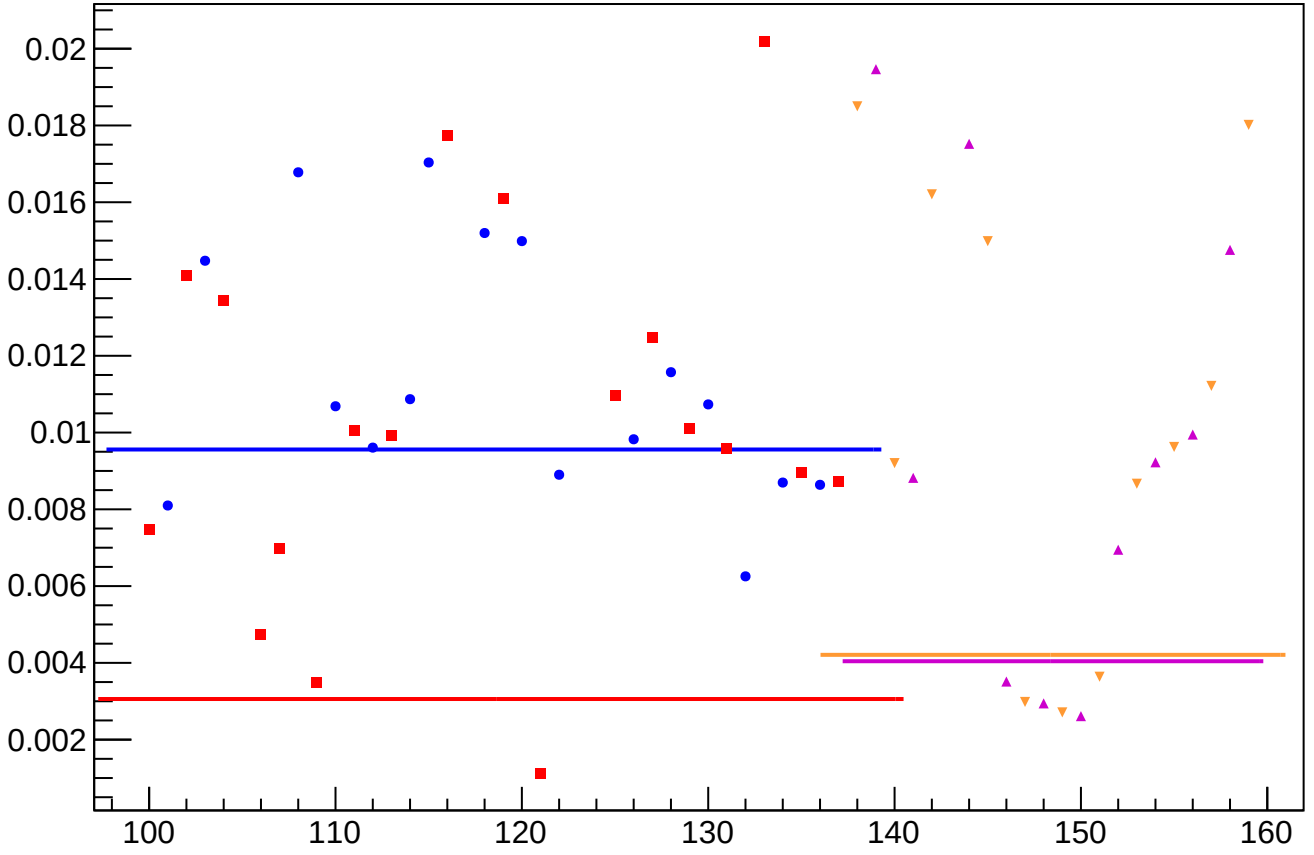
+ sign 140.061+/-0.030 χ^2/NDF: 10388935.7/27

All: 134.985+/-0.021 χ^2/NDF: 20075134.7/56

- sign 130.358+/-0.028 χ^2/NDF: 9630631.6/28


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:6.1/9
+ sign 0.000+/-0.000 χ²/NDF: 46.3/26
All: 0.000+/-0.000 χ²/NDF: 73.8/54
- sign -0.000+/-0.000 χ²/NDF: 23.0/27

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

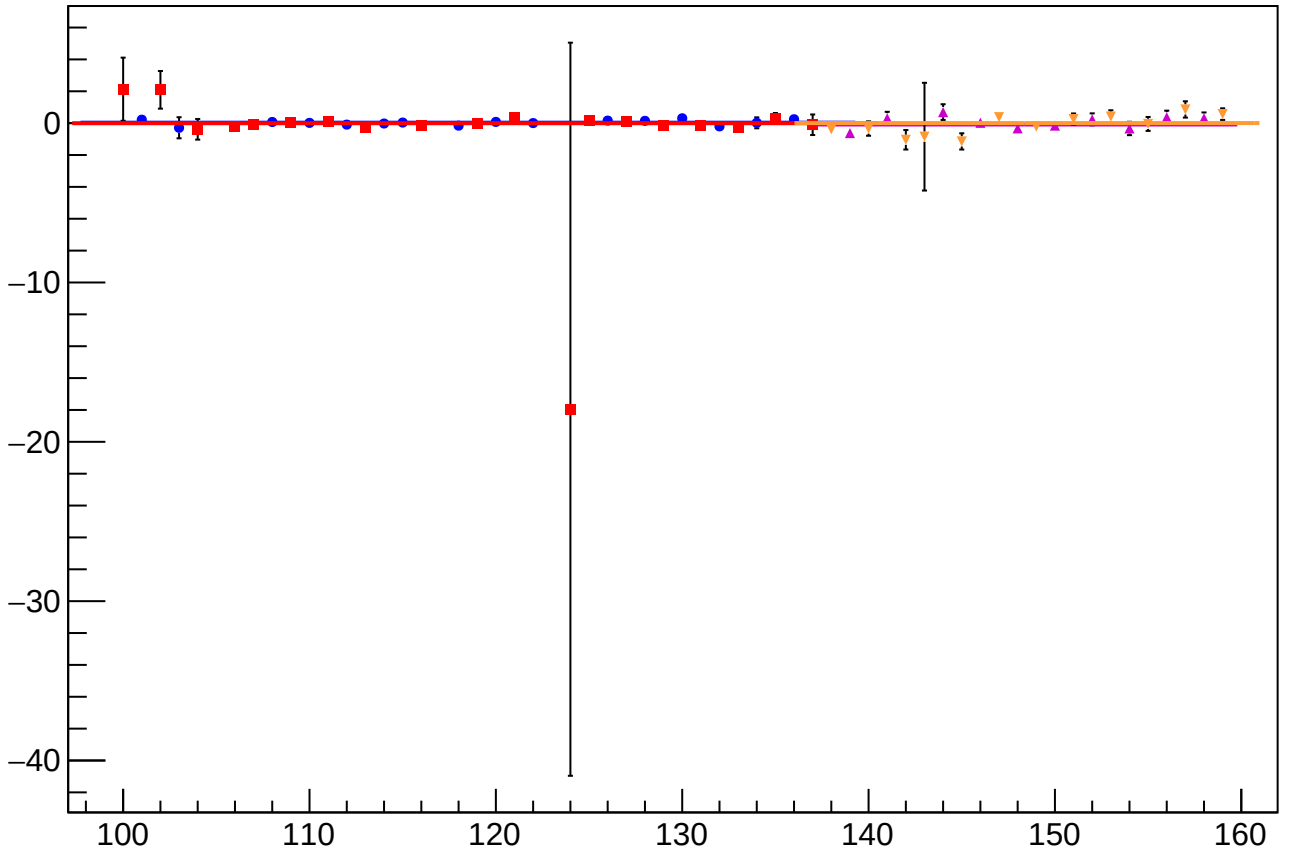
Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:5662225.9/9

+ sign 0.005+/-0.000 χ^2/NDF: 10354253.2/26

All: 0.004+/-0.000 χ^2/NDF: 25724360.1/54

- sign 0.004+/-0.000 χ^2/NDF: 14088955.7/27



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

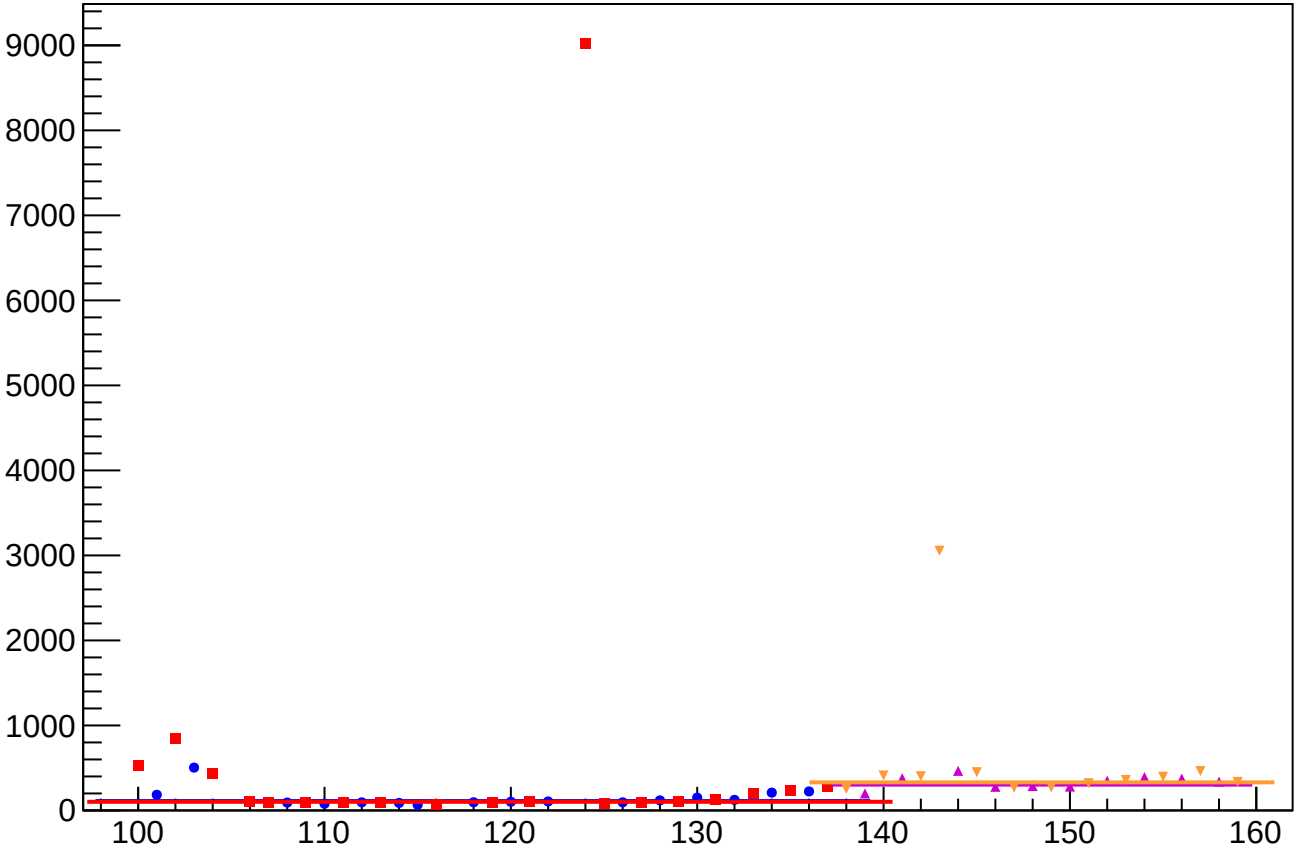
Left In: -0.085+/-0.107 χ^2/NDF:13.0/9

\+ sign 0.025+/-0.042 χ^2/NDF: 28.3/27

All: 0.004+/-0.029 χ^2/NDF: 64.7/56

\- sign -0.015+/-0.040 χ^2/NDF: 35.9/28

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

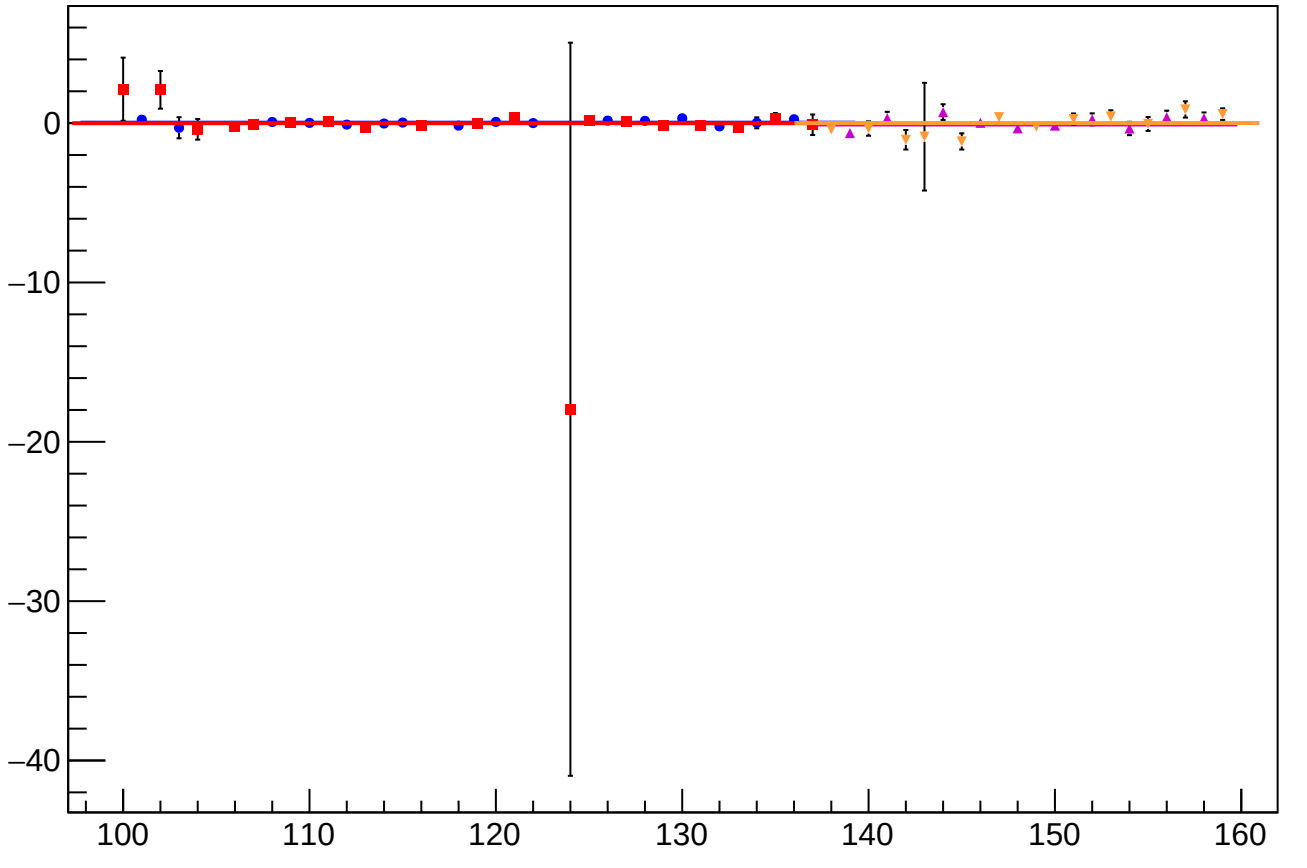
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 304.033+/-0.076 χ^2/NDF:913078.8/9

+ sign 140.062+/-0.030 χ^2/NDF: 10388913.5/27

All: 134.987+/-0.021 χ^2/NDF: 20075036.0/56

- sign 130.360+/-0.028 χ^2/NDF: 9630561.6/28



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.005+/-0.114 χ^2/NDF:19.4/11

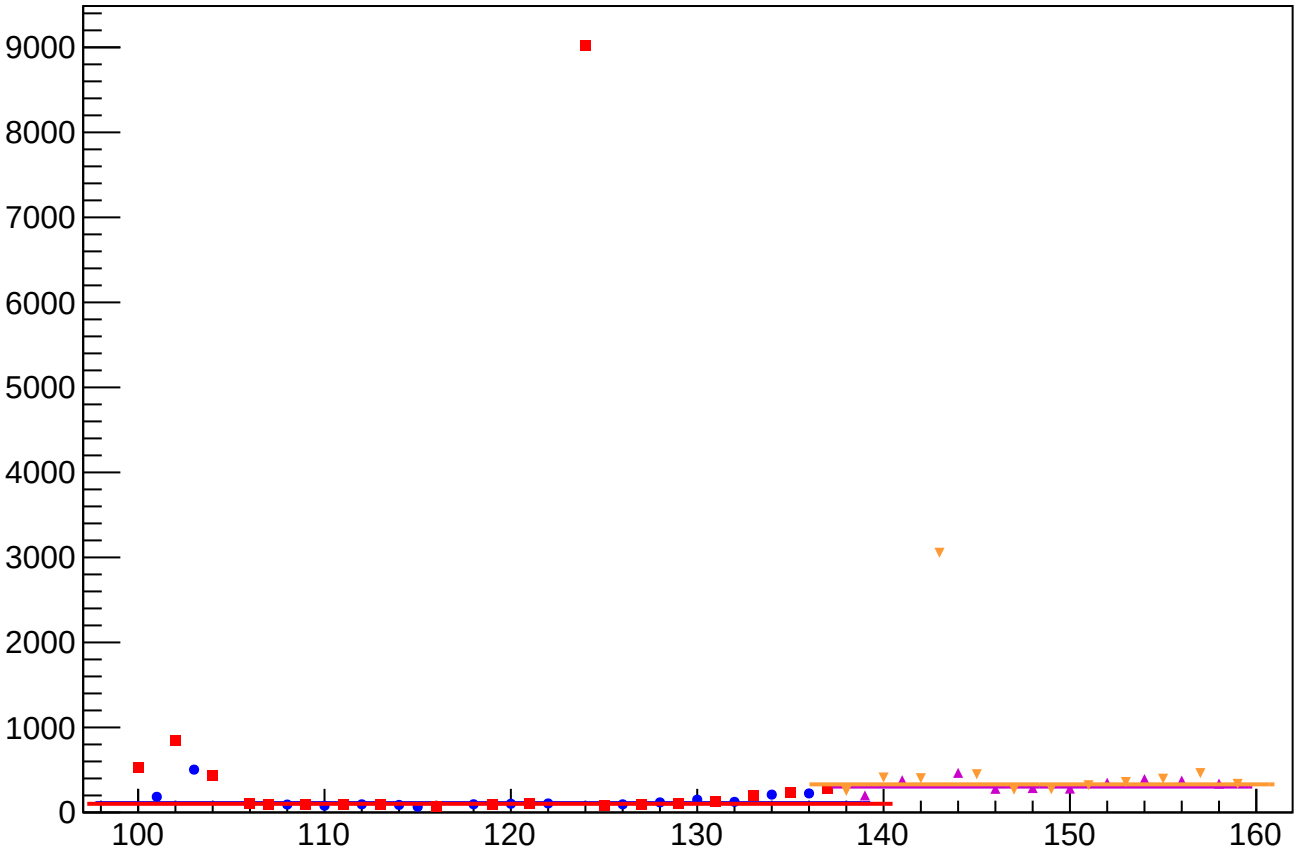
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.085+/-0.107 χ^2/NDF:13.0/9

\+ sign 0.025+/-0.042 χ^2/NDF: 28.3/27

All: 0.004+/-0.029 χ^2/NDF: 64.7/56

\- sign -0.015+/-0.040 χ^2/NDF: 35.9/28



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 330.649+/-0.081 χ^2/NDF:1991242.2/11

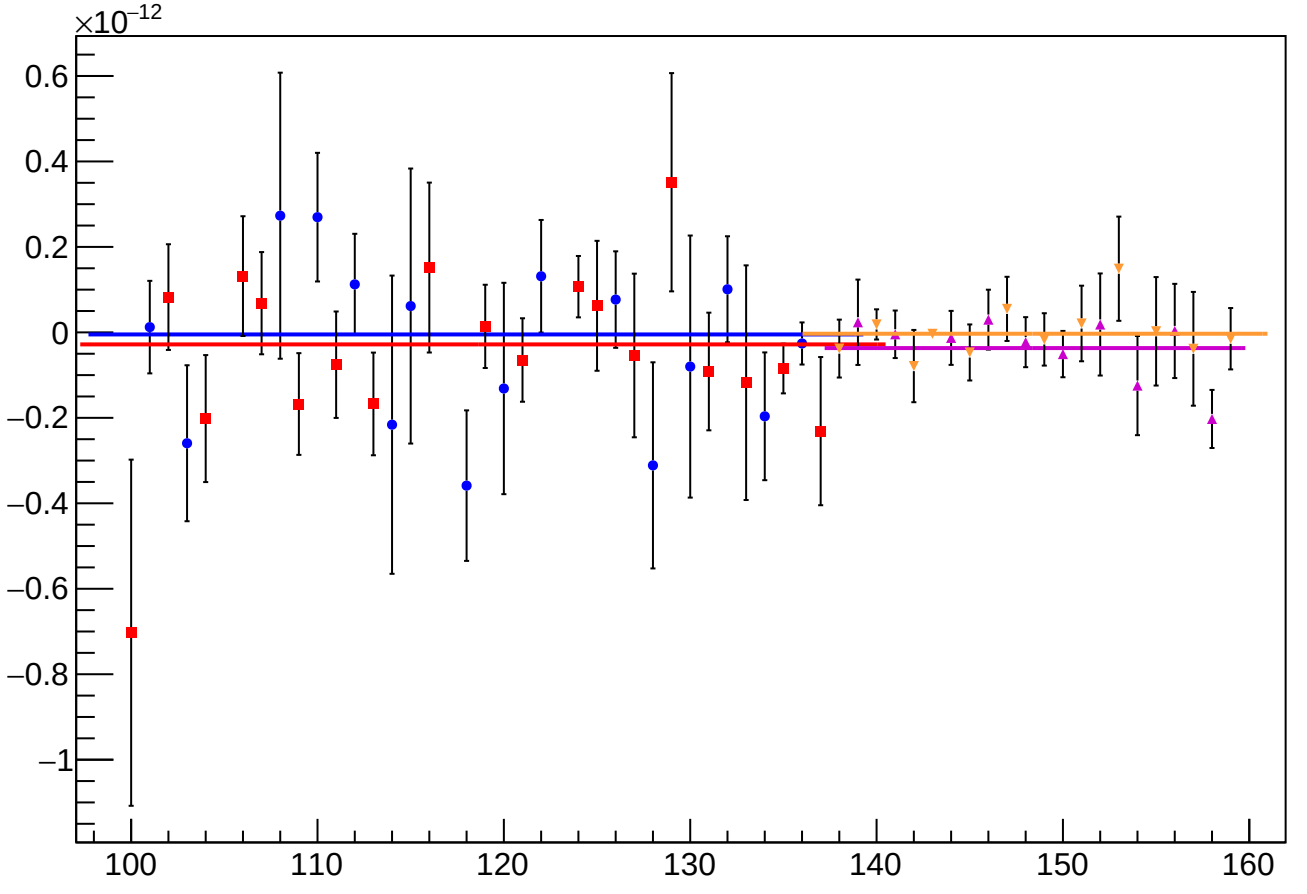
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 304.033+/-0.076 χ^2/NDF:913078.8/9

+ sign 140.062+/-0.030 χ^2/NDF: 10388913.5/27

All: 134.987+/-0.021 χ^2/NDF: 20075036.0/56

- sign 130.360+/-0.028 χ^2/NDF: 9630561.6/28



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/11

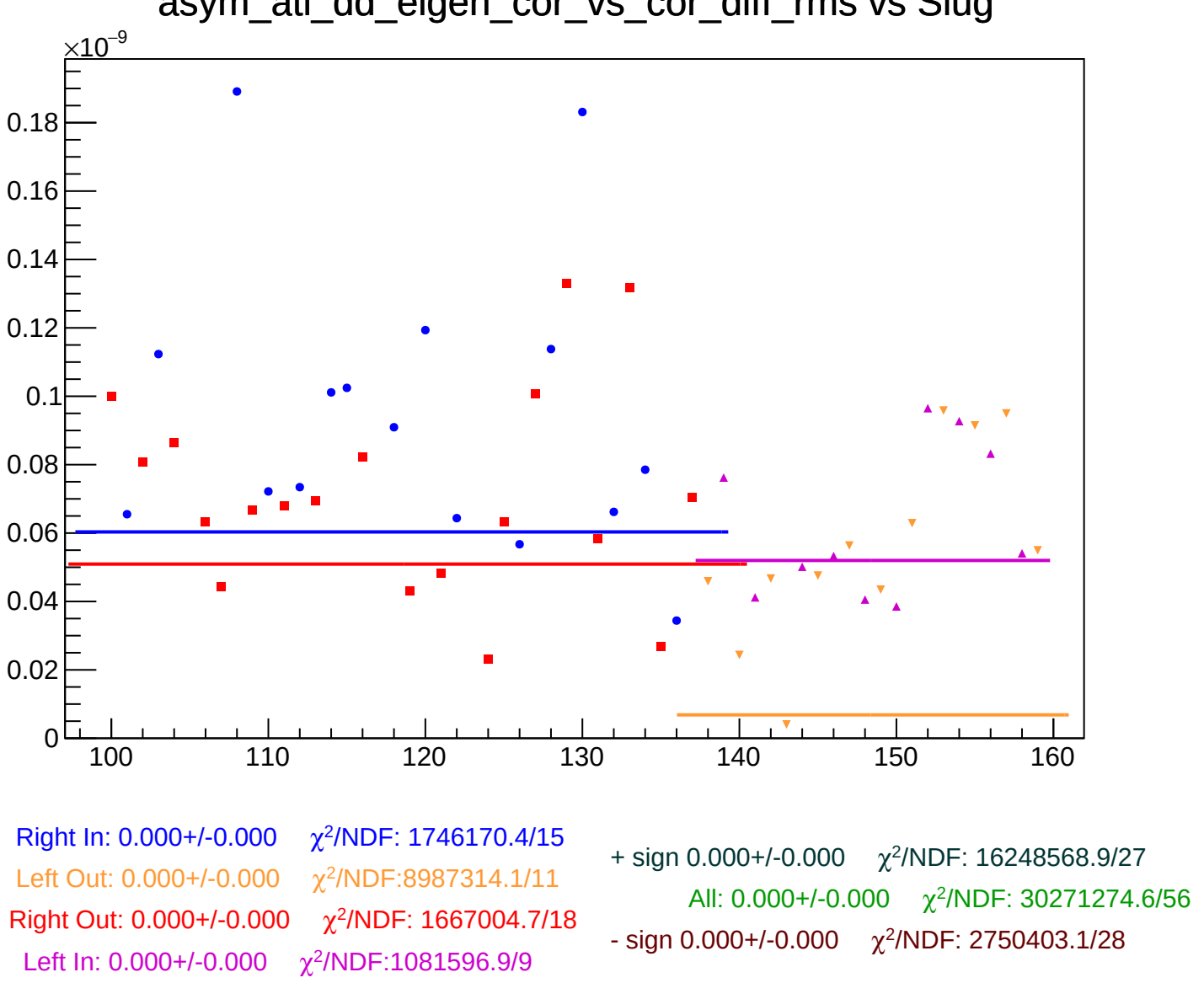
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

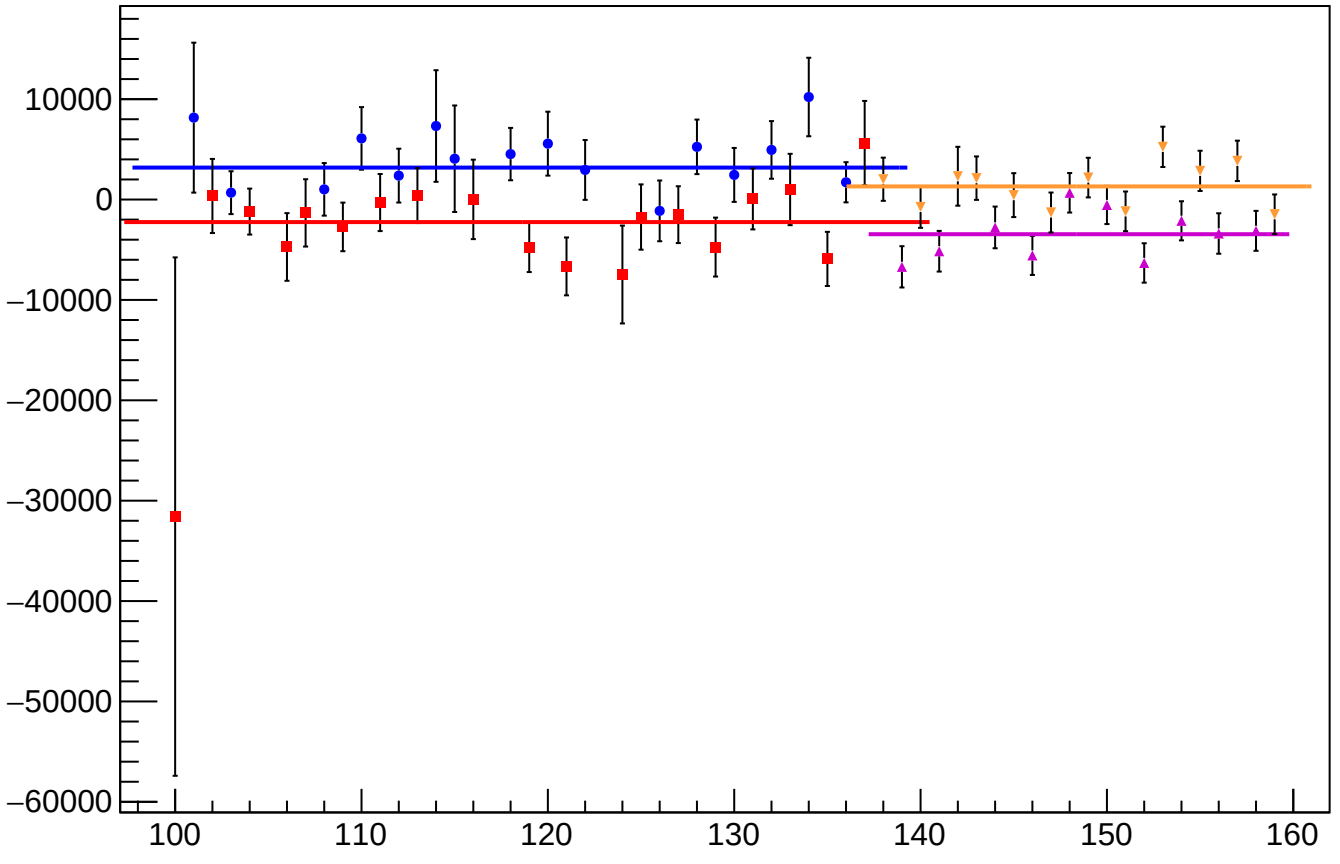
Left In: -0.000+/-0.000 χ^2/NDF:8.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 21.8/27

All: -0.000+/-0.000 χ^2/NDF: 52.9/56

- sign -0.000+/-0.000 χ^2/NDF: 28.5/28


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:1081596.9/9
+ sign 0.000+/-0.000 χ²/NDF: 16248568.9/27
All: 0.000+/-0.000 χ²/NDF: 30271274.6/56
- sign 0.000+/-0.000 χ²/NDF: 2750403.1/28



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

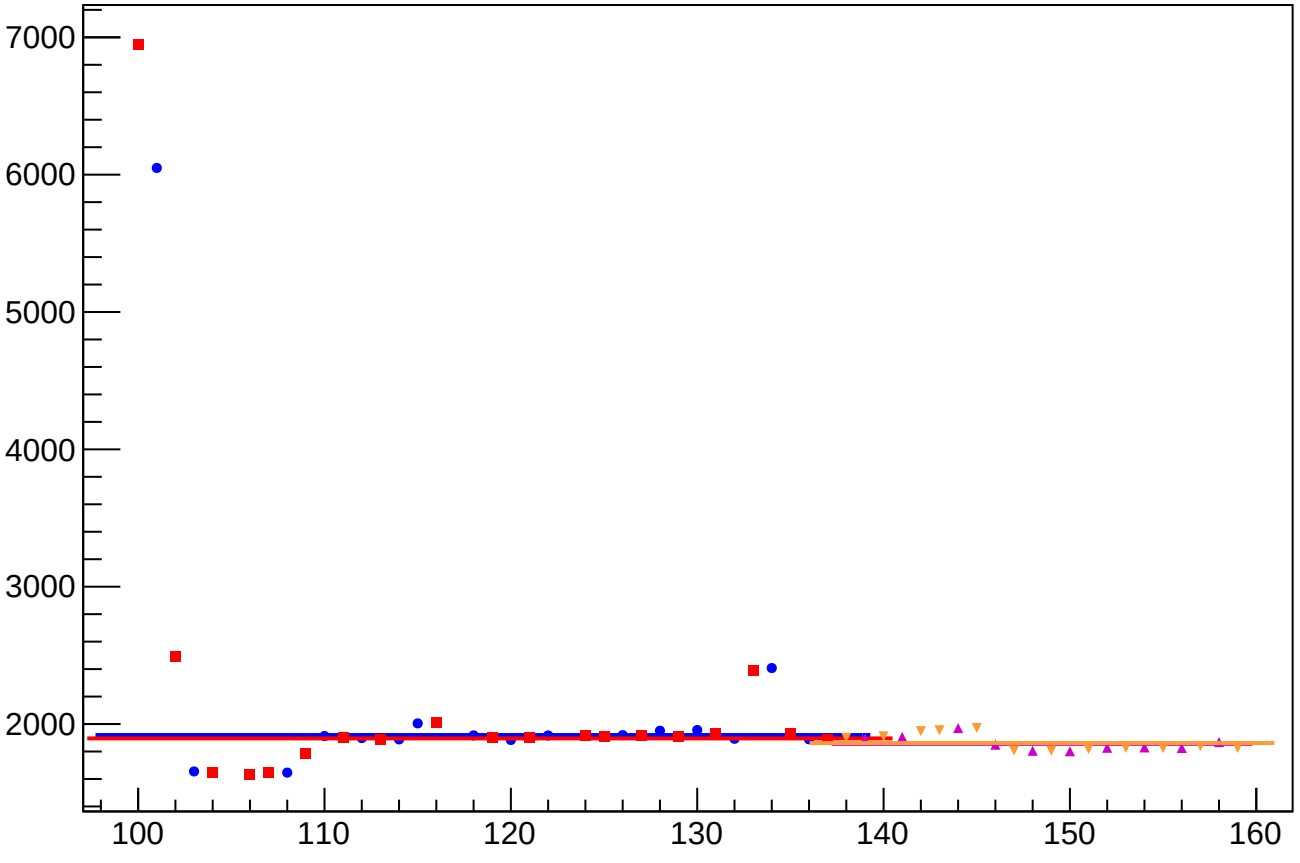
Left In: -3453.905+/-628.501 χ^2/NDF:13.8/9

+ sign 2067.589+/-465.059 χ^2/NDF: 28.6/27

All: -397.217+/-330.882 χ^2/NDF: 117.5/56

- sign -2924.016+/-470.871 χ^2/NDF: 32.0/28

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

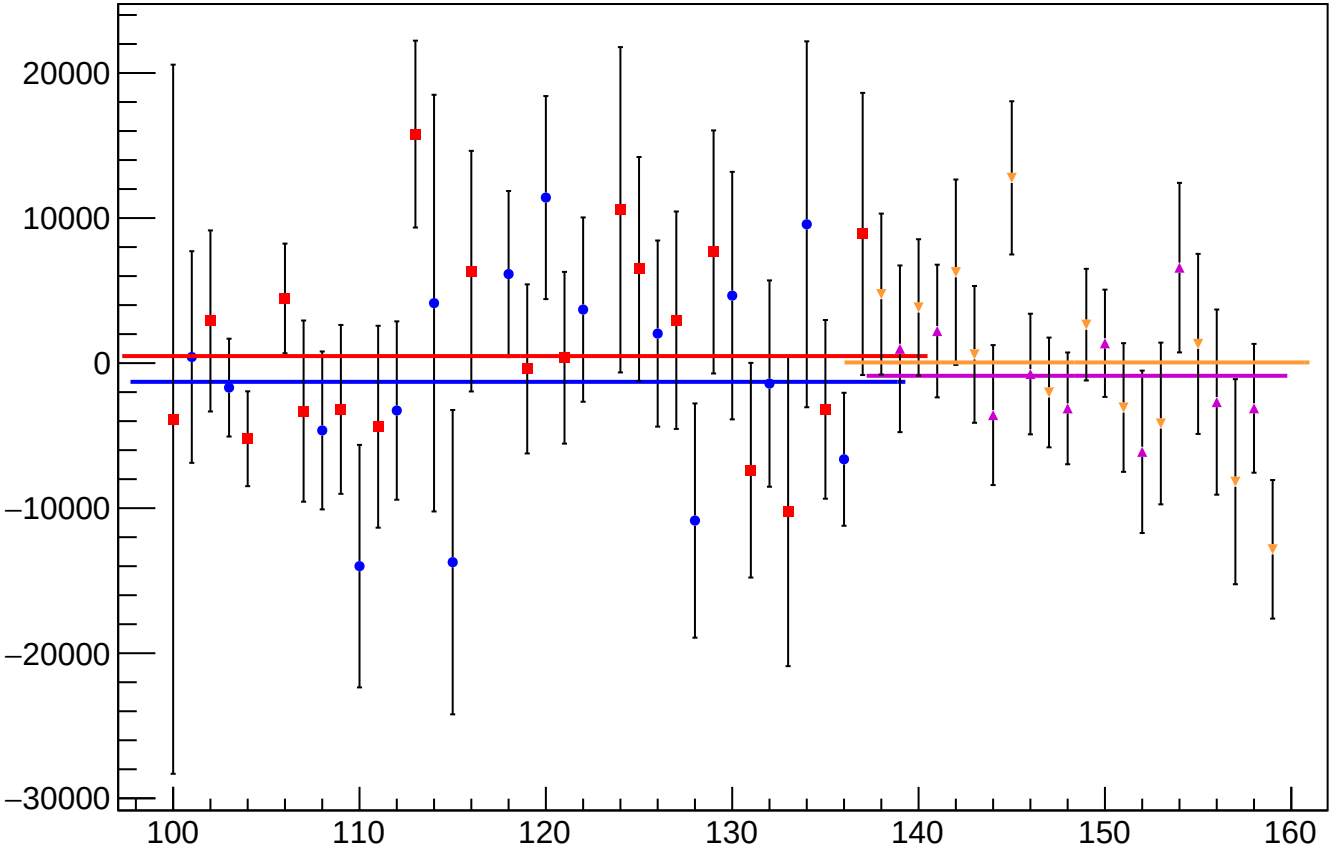
Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

+ sign 1885.113+/-0.329 χ^2/NDF: 723400.3/27

All: 1879.232+/-0.234 χ^2/NDF: 962022.5/56

- sign 1873.222+/-0.332 χ^2/NDF: 237975.6/28

asym_atr_avg_reg_correction_mean vs Slug



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

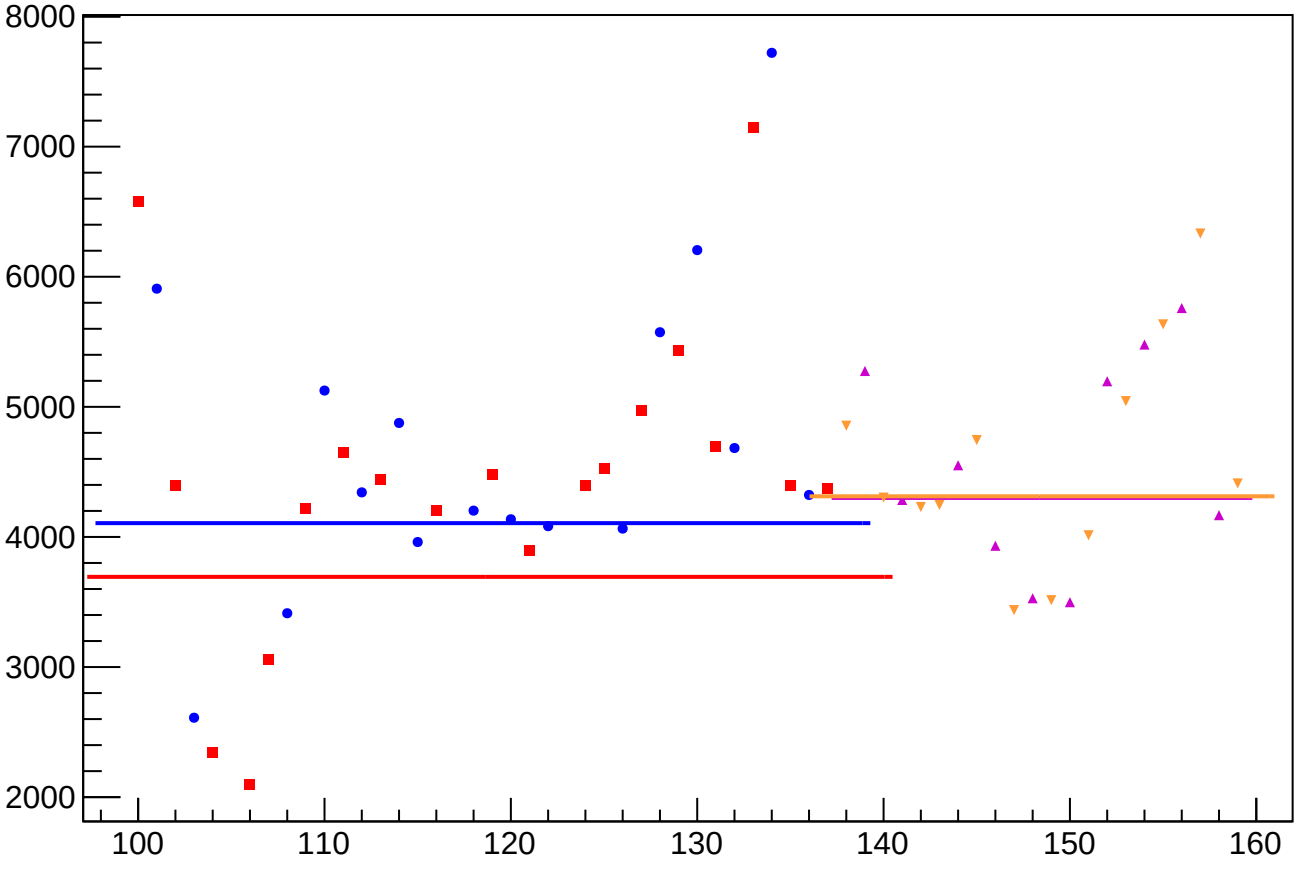
Left In: -873.501+/-1481.077 χ^2/NDF:4.4/9

+ sign -550.322+/-1059.390 χ^2/NDF: 33.3/27

All: -357.065+/-739.049 χ^2/NDF: 55.4/56

- sign -173.844+/-1031.515 χ^2/NDF: 22.1/28

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

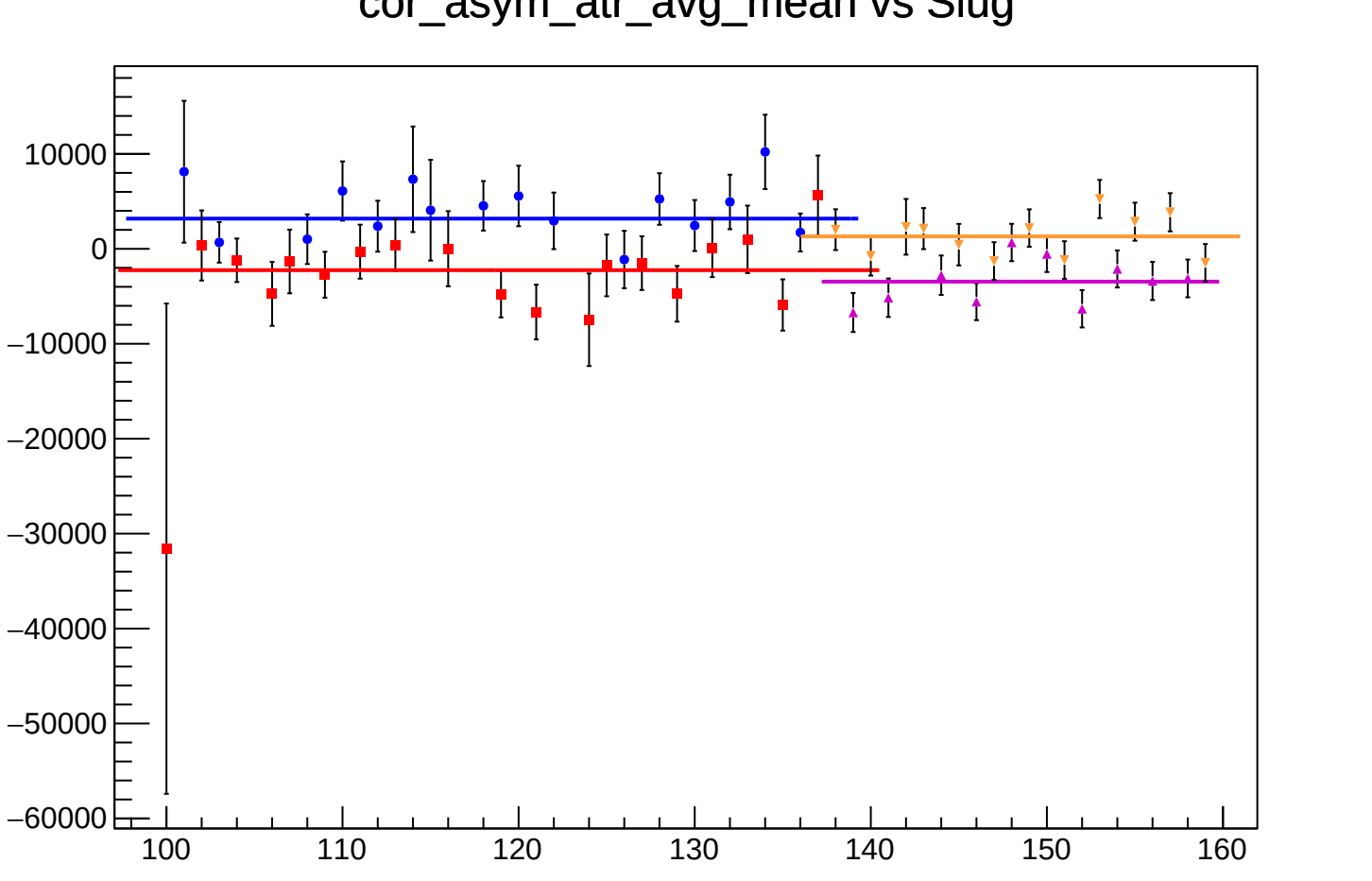
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4299.936+/-1.047 χ^2/NDF:491866.8/9

+ sign 4220.314+/-0.749 χ^2/NDF: 1499490.6/27

All: 4100.823+/-0.523 χ^2/NDF: 3570364.6/56

- sign 3987.538+/-0.729 χ^2/NDF: 2021307.0/28



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

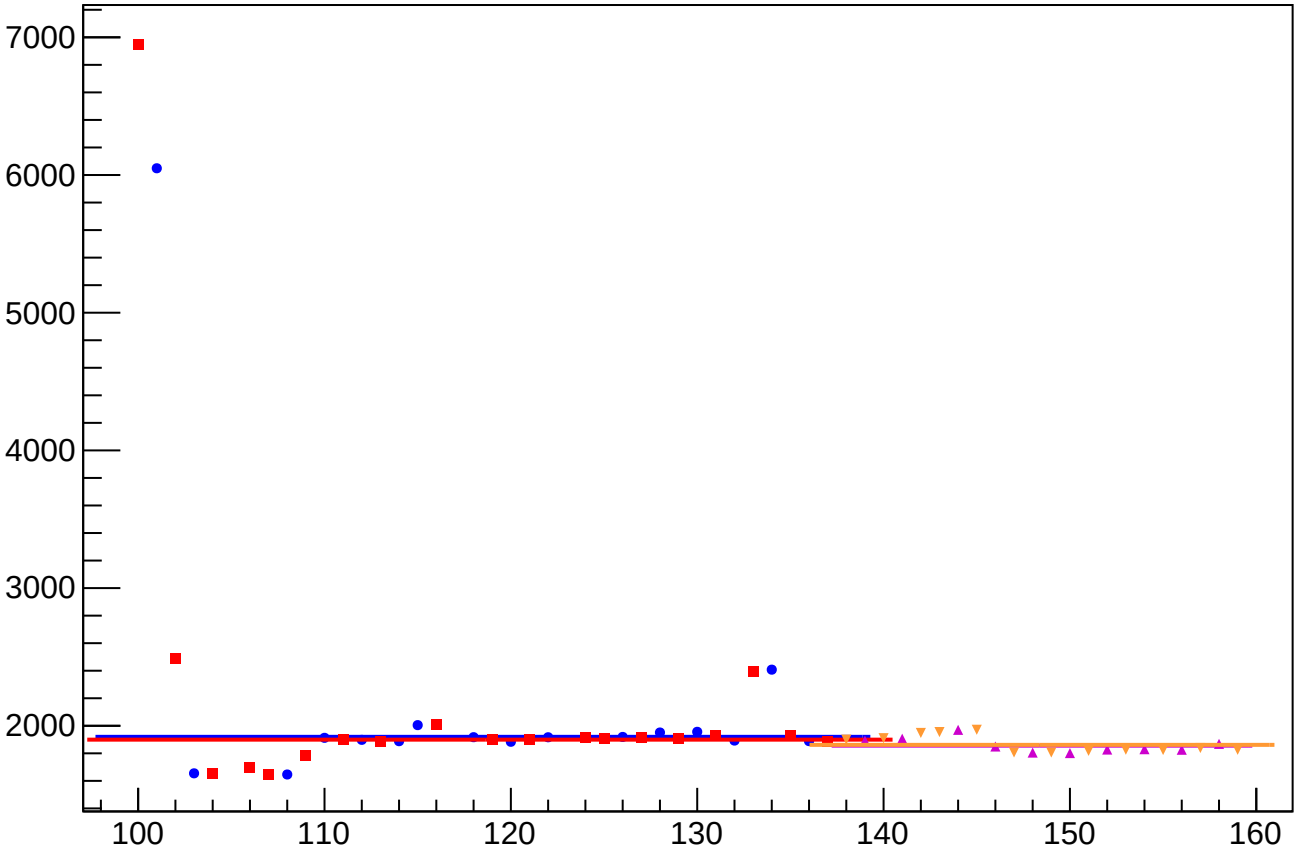
Left In: -3454.000+/-628.501 χ^2/NDF:13.8/9

+ sign 2067.225+/-465.059 χ^2/NDF: 28.6/27

All: -397.669+/-330.882 χ^2/NDF: 117.5/56

- sign -2924.571+/-470.872 χ^2/NDF: 32.0/28

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

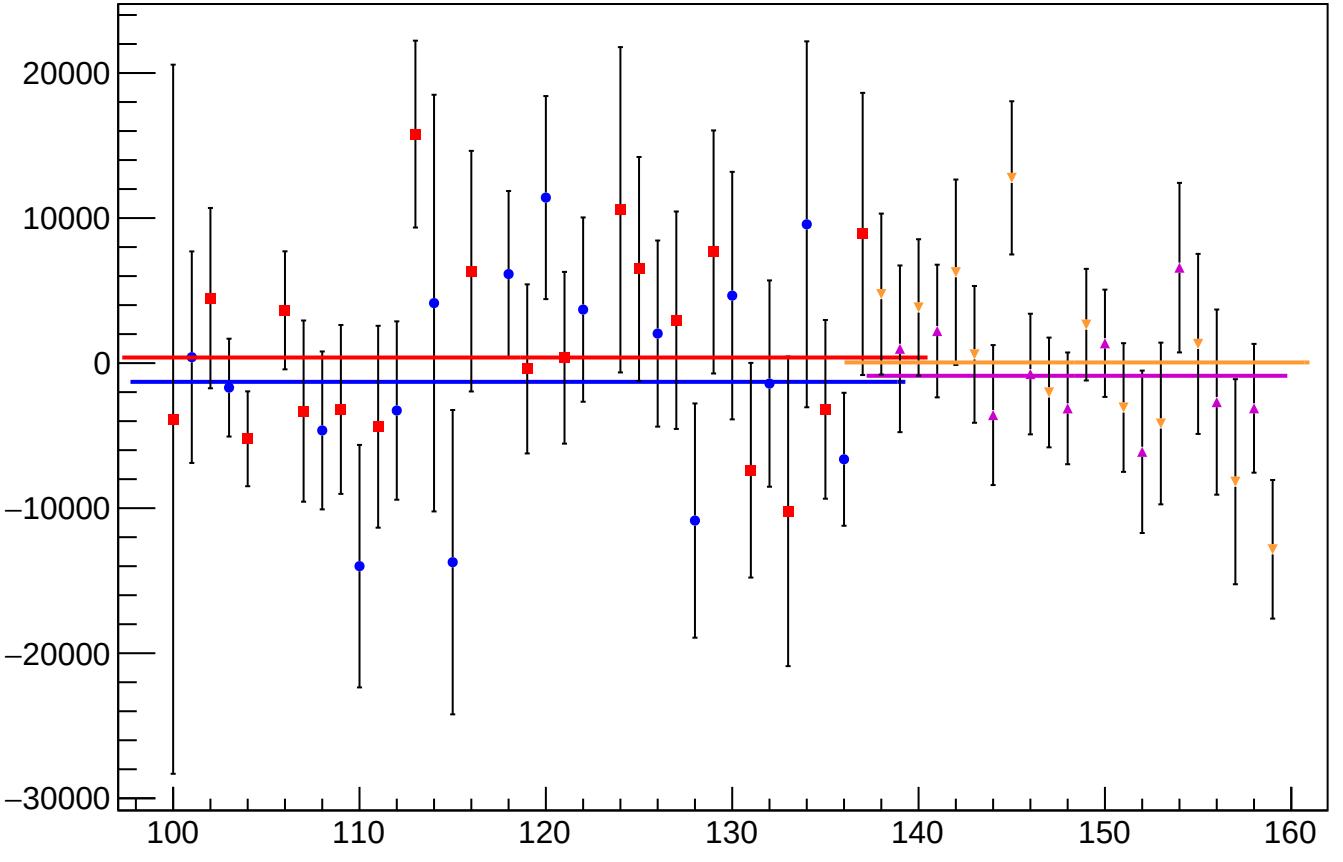
Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

+ sign 1885.113+/-0.329 χ^2/NDF: 723399.5/27

All: 1880.088+/-0.234 χ^2/NDF: 955960.8/56

- sign 1874.944+/-0.333 χ^2/NDF: 232088.8/28

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

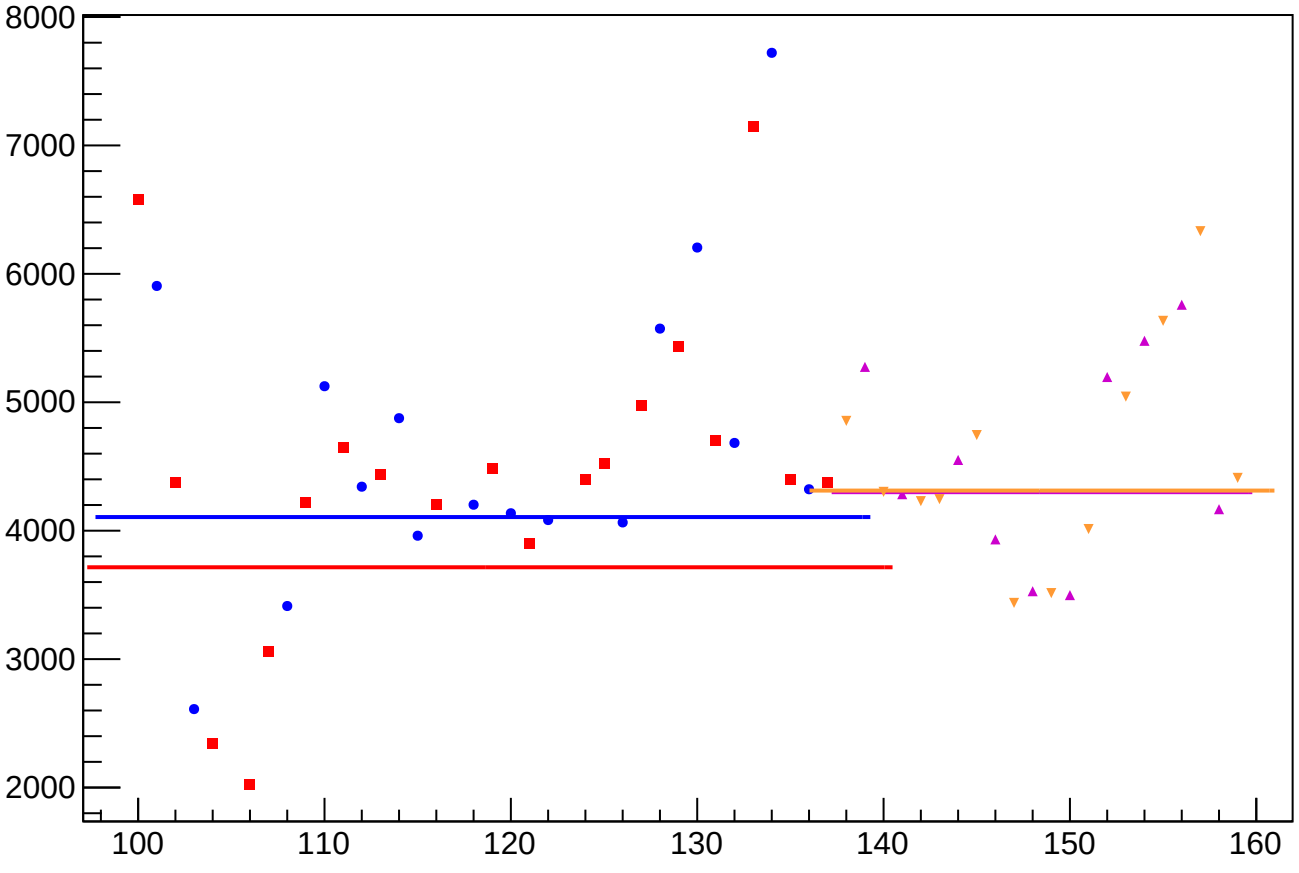
Left In: -873.555+/-1481.078 χ^2/NDF:4.4/9

+ sign -550.506+/-1059.389 χ^2/NDF: 33.3/27

All: -386.912+/-740.940 χ^2/NDF: 55.1/56

- sign -230.258+/-1036.676 χ^2/NDF: 21.8/28

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

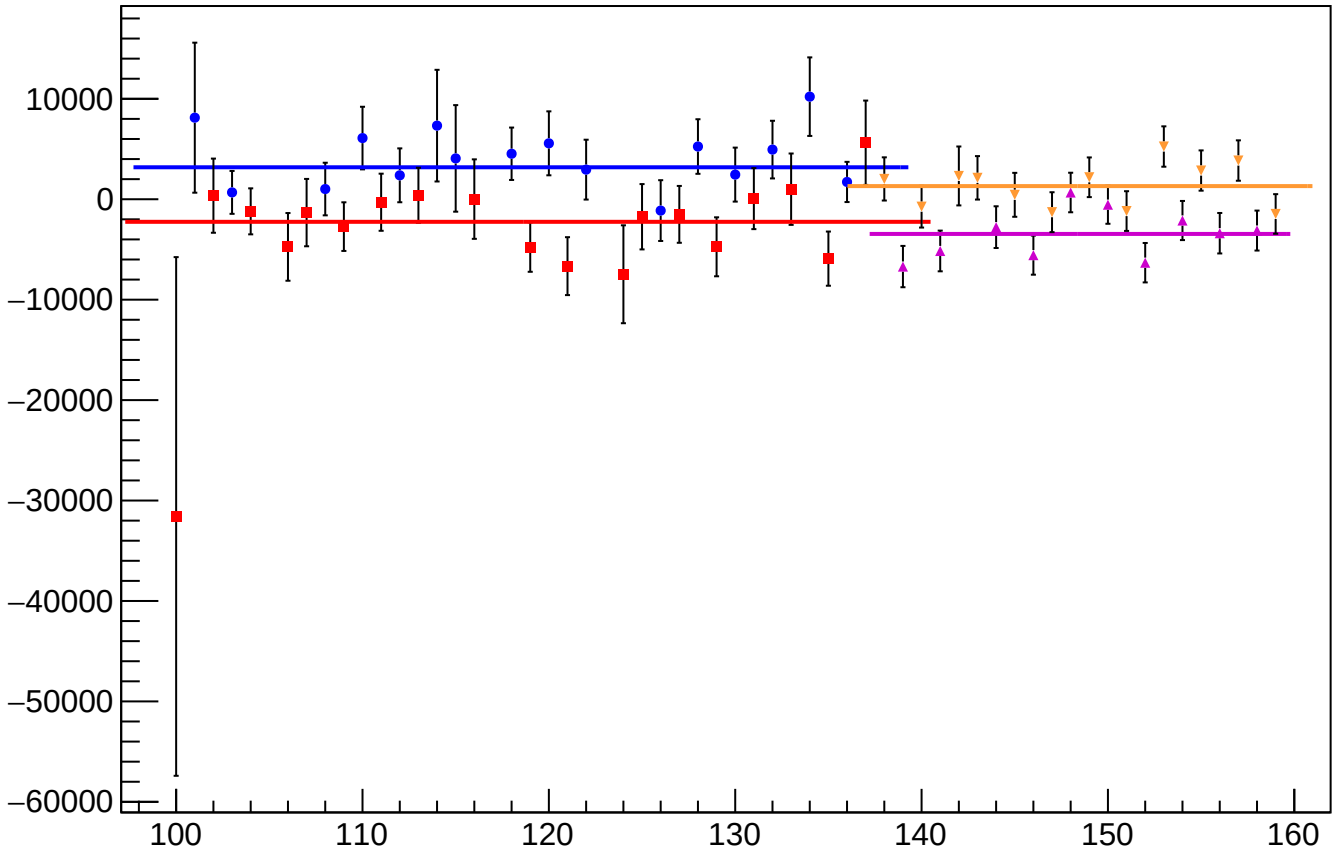
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4299.941+/-1.047 χ^2/NDF:491862.0/9

+ sign 4220.349+/-0.749 χ^2/NDF: 1498983.9/27

All: 4108.646+/-0.524 χ^2/NDF: 3528487.3/56

- sign 4001.681+/-0.733 χ^2/NDF: 1985975.1/28



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

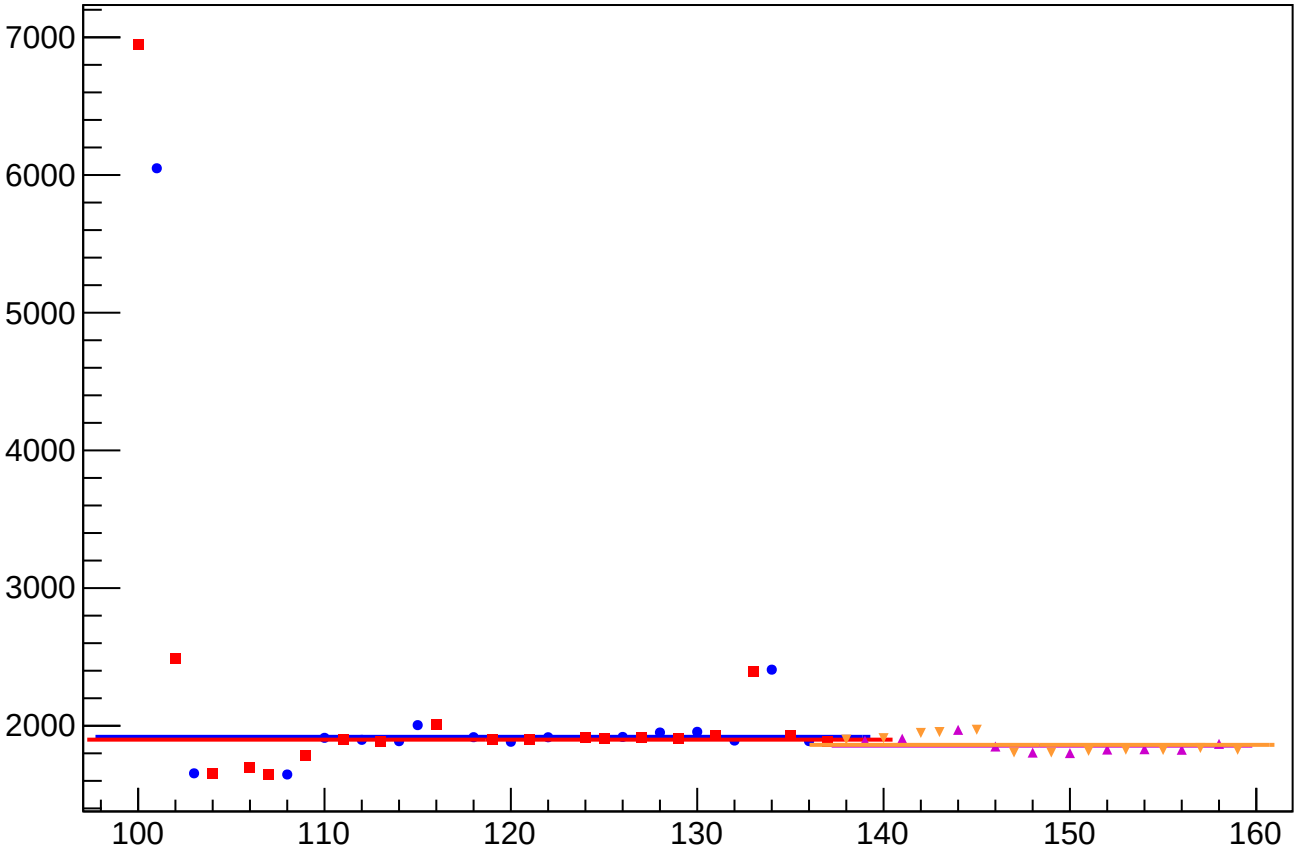
Left In: -3454.000+/-628.501 χ^2/NDF:13.8/9

+ sign 2067.225+/-465.059 χ^2/NDF: 28.6/27

All: -397.669+/-330.882 χ^2/NDF: 117.5/56

- sign -2924.571+/-470.872 χ^2/NDF: 32.0/28

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

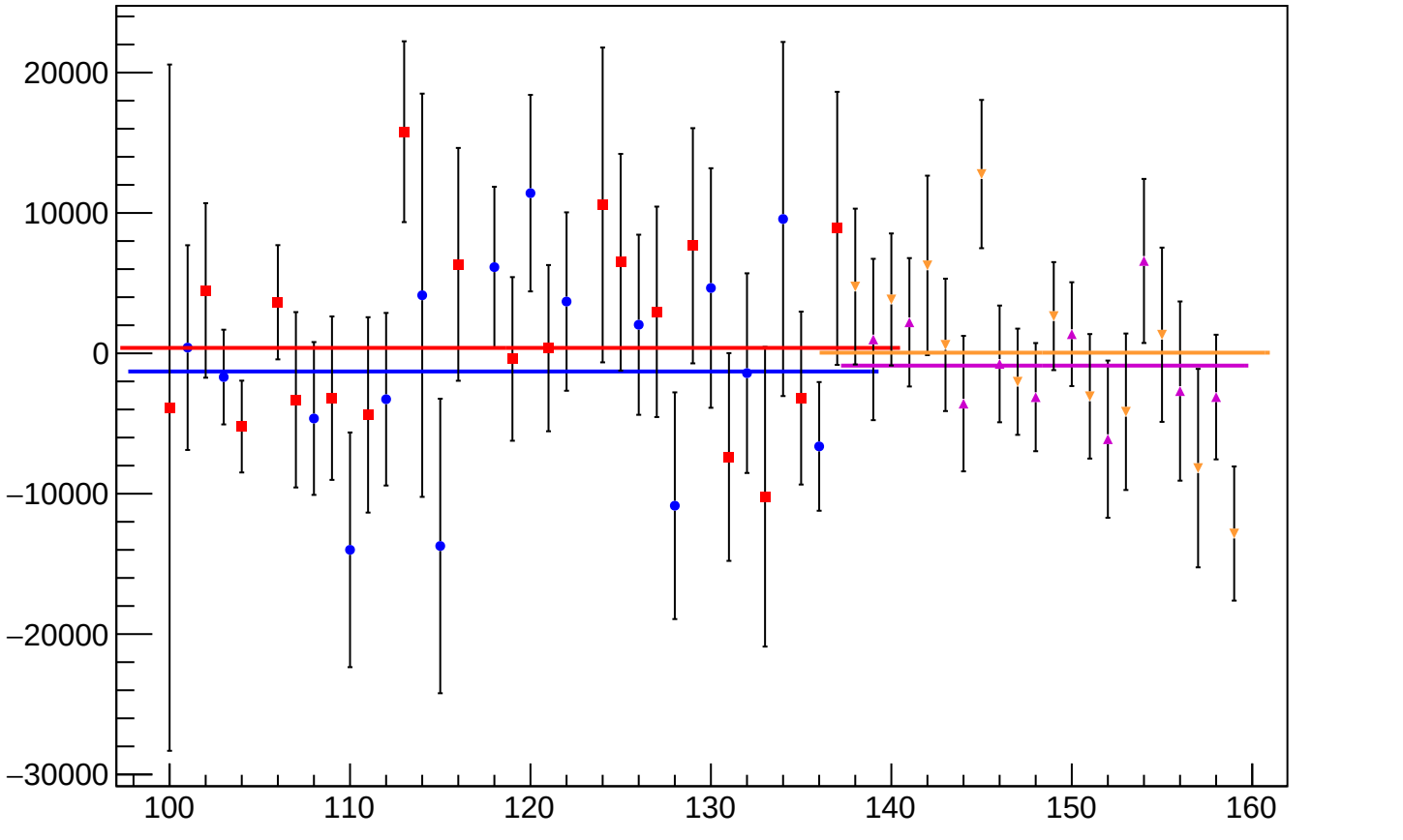
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1855.798+/-0.444 χ^2/NDF:12211.3/9

+ sign 1885.113+/-0.329 χ^2/NDF: 723399.5/27

All: 1880.088+/-0.234 χ^2/NDF: 955960.8/56

- sign 1874.944+/-0.333 χ^2/NDF: 232088.8/28



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

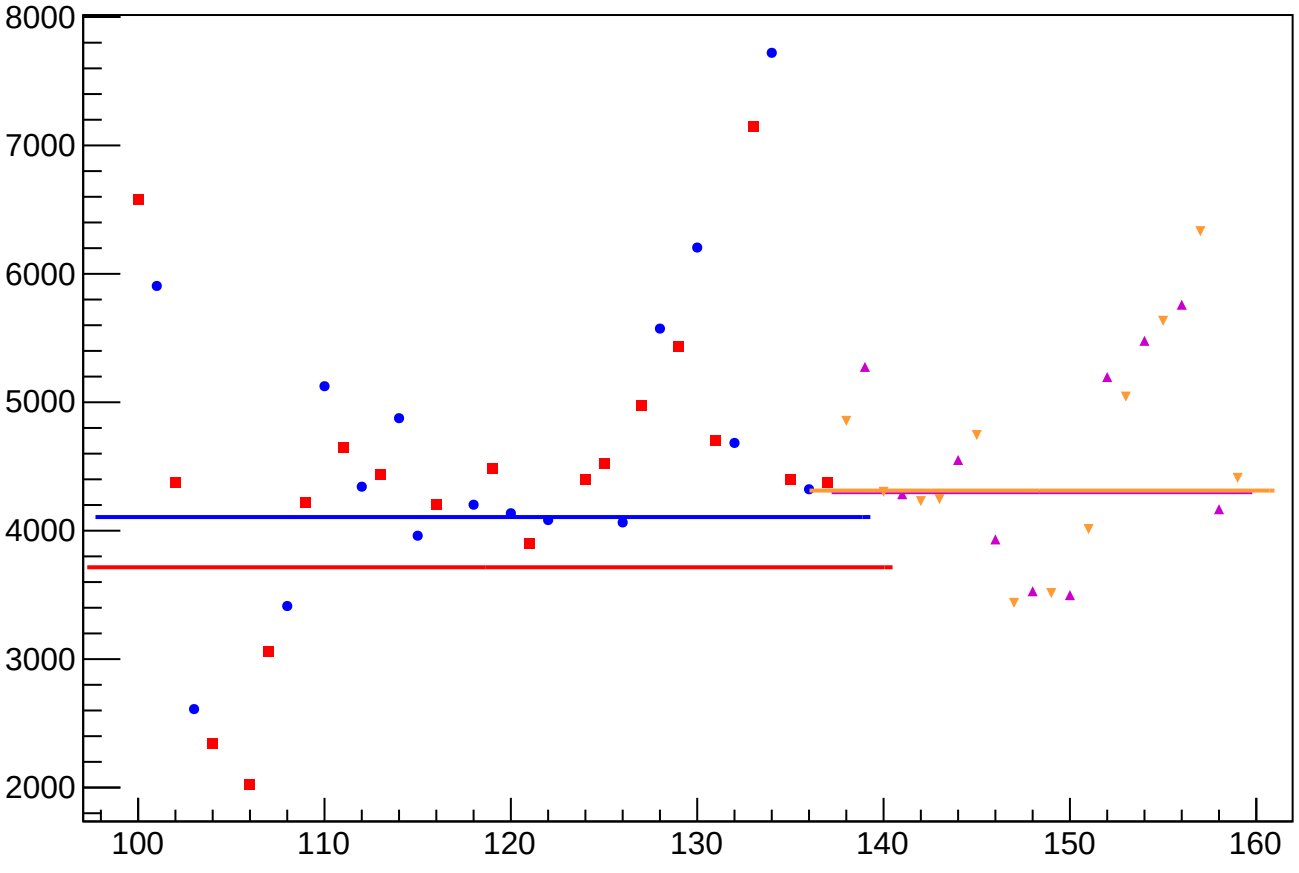
Left In: -873.555+/-1481.078 χ^2/NDF:4.4/9

+ sign -550.506+/-1059.389 χ^2/NDF: 33.3/27

All: -386.912+/-740.940 χ^2/NDF: 55.1/56

- sign -230.258+/-1036.676 χ^2/NDF: 21.8/28

asym_atr_avg_eigen_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

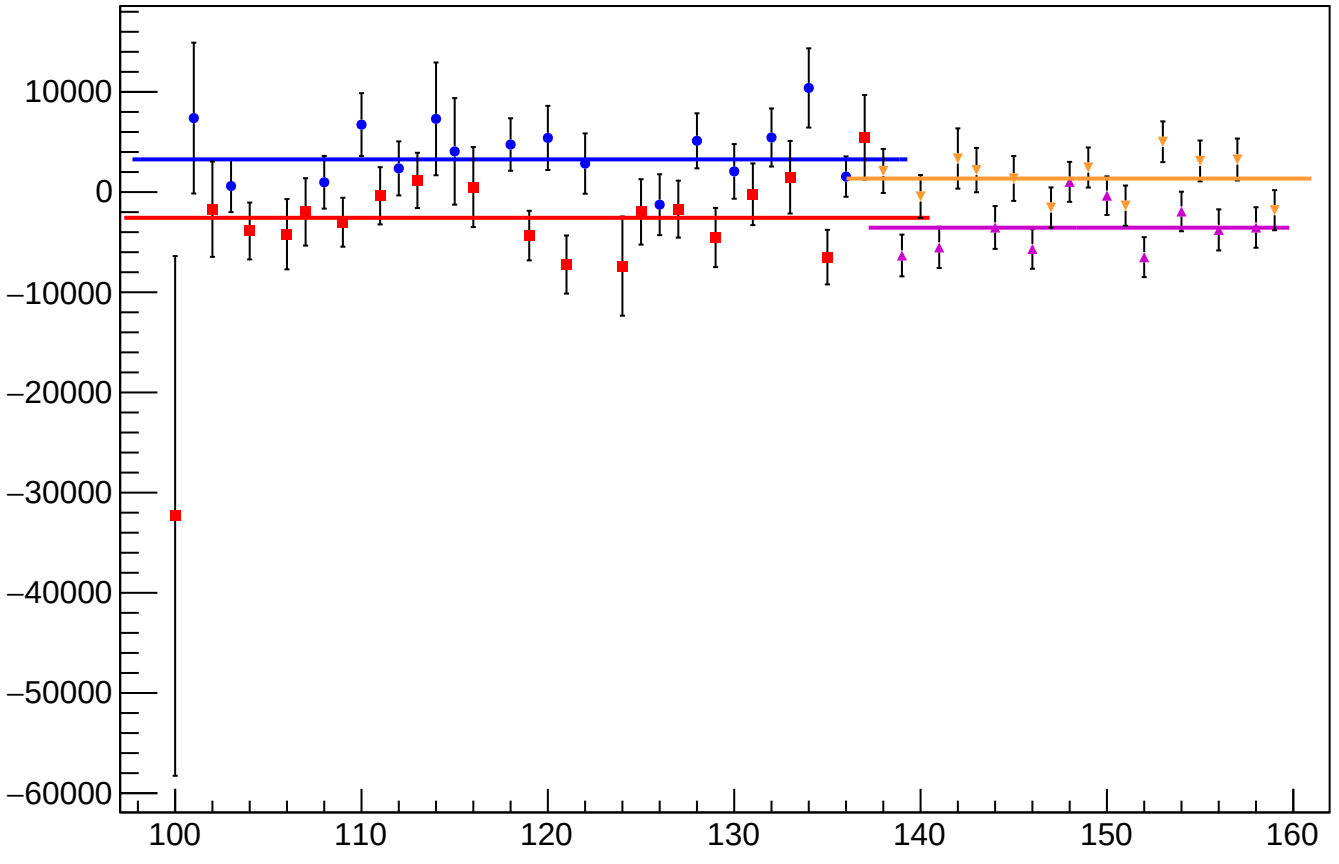
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4299.941+/-1.047 χ^2/NDF:491862.0/9

+ sign 4220.349+/-0.749 χ^2/NDF: 1498983.9/27

All: 4108.646+/-0.524 χ^2/NDF: 3528487.3/56

- sign 4001.681+/-0.733 χ^2/NDF: 1985975.1/28



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

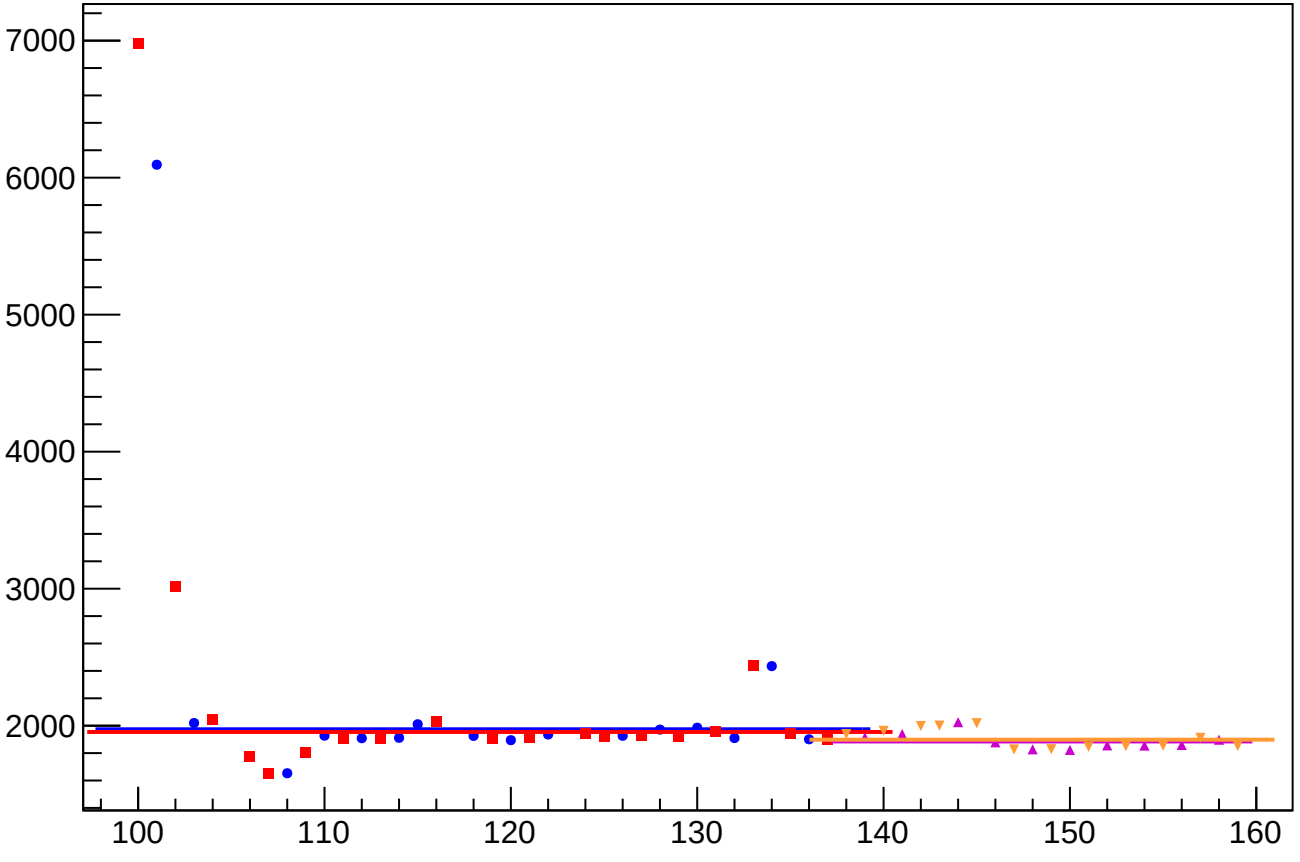
Left In: -3553.104+/-638.529 χ^2/NDF:14.7/9

+ sign 2119.543+/-475.607 χ^2/NDF: 29.0/27

All: -469.584+/-338.542 χ^2/NDF: 121.8/56

- sign -3128.753+/-481.998 χ^2/NDF: 32.8/28

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

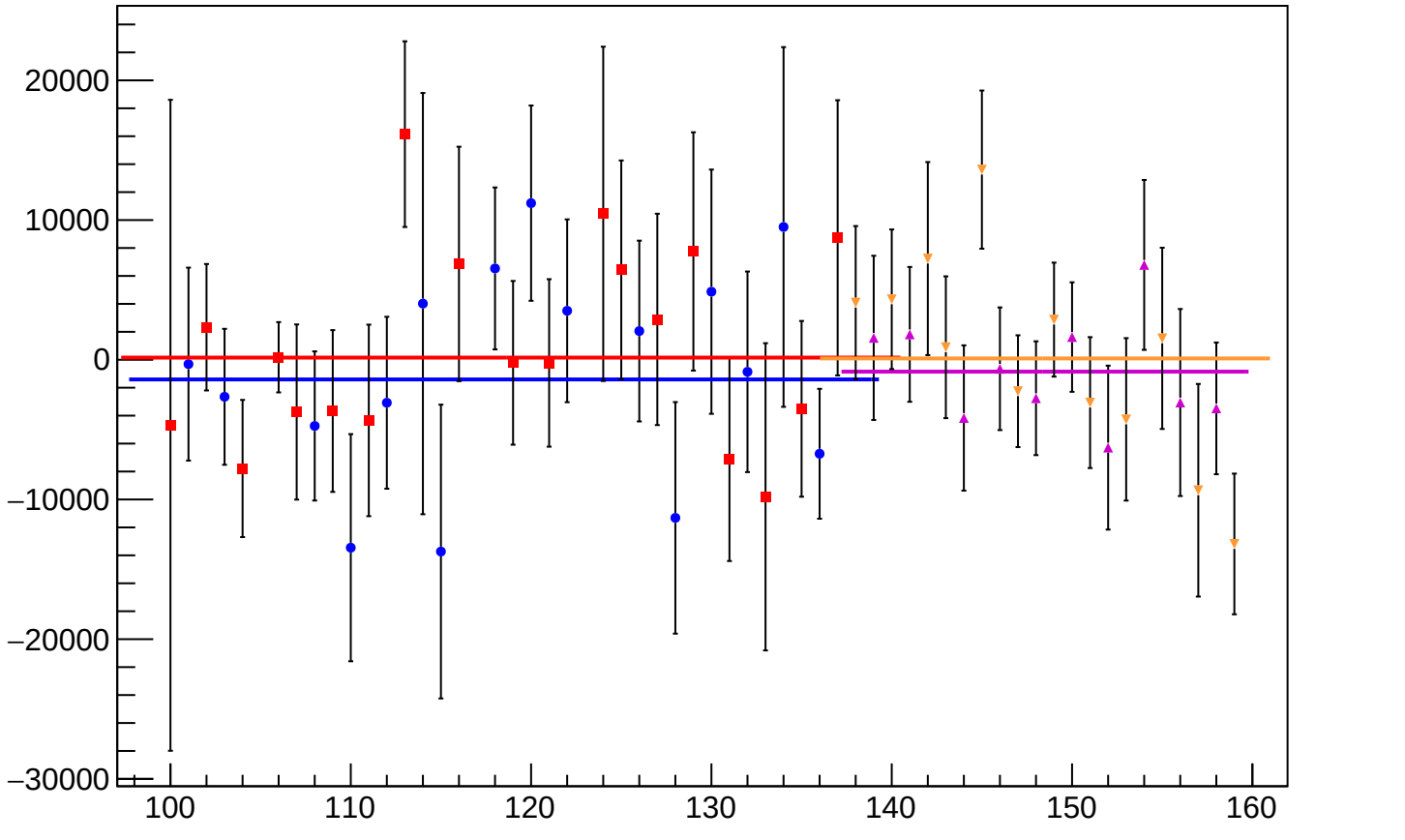
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1885.185+/-0.452 χ^2/NDF:15508.8/9

+ sign 1928.385+/-0.336 χ^2/NDF: 701530.1/27

All: 1921.762+/-0.239 χ^2/NDF: 974138.1/56

- sign 1914.964+/-0.341 χ^2/NDF: 271822.1/28



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

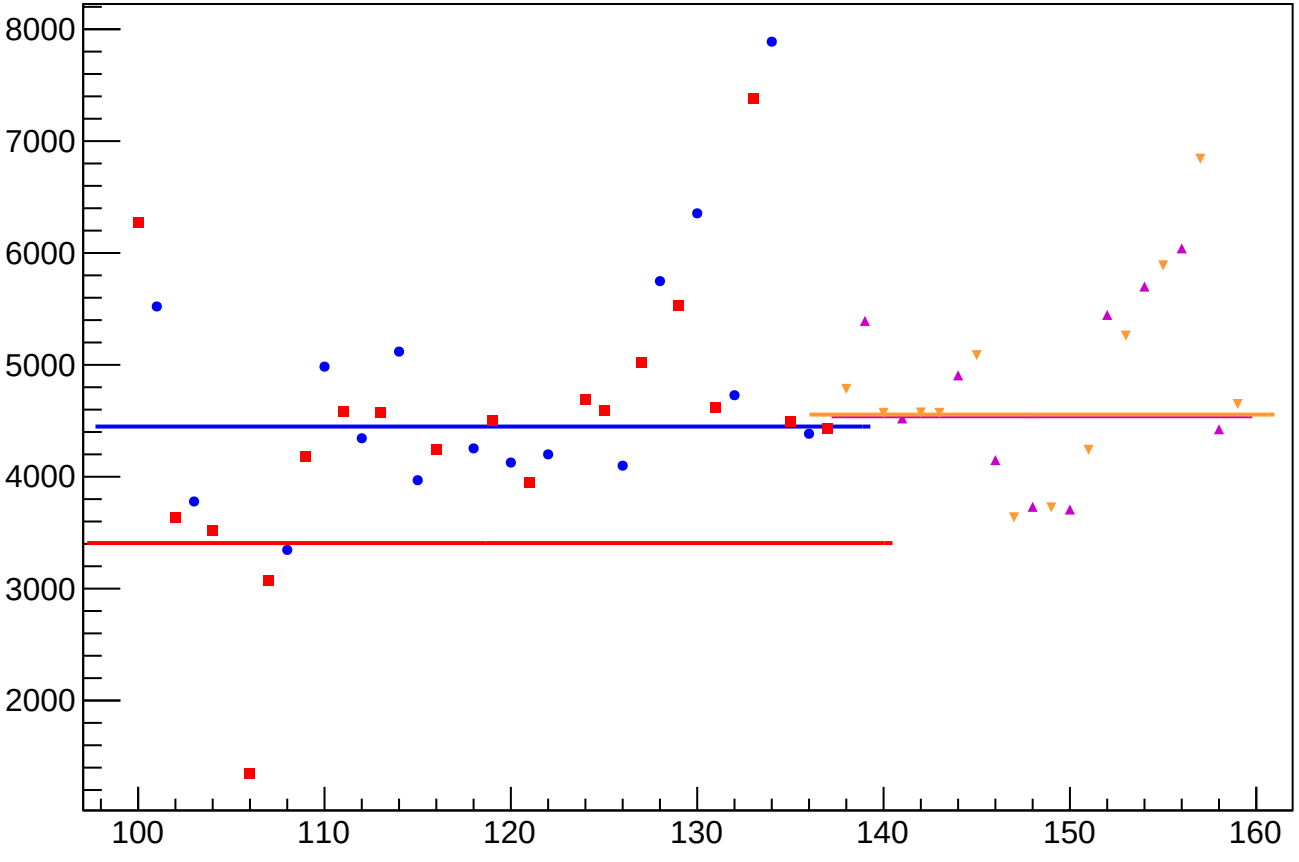
Left In: -849.414+/-1562.501 χ^2/NDF:4.4/9

+ sign -569.033+/-1123.267 χ^2/NDF: 33.1/27

All: -411.173+/-758.112 χ^2/NDF: 53.5/56

- sign -279.108+/-1027.400 χ^2/NDF: 20.4/28

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

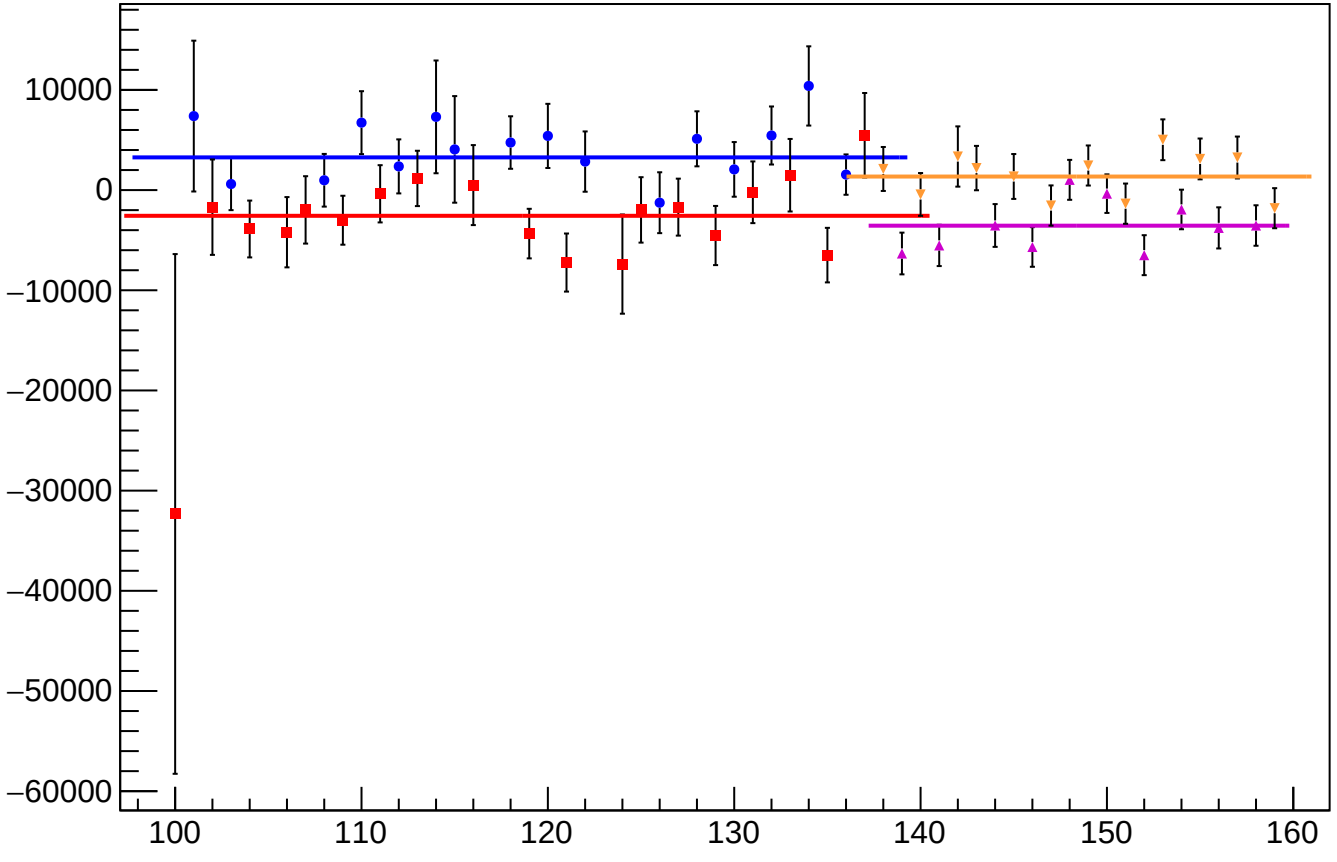
Left In: 4540.589+/-1.105 χ^2/NDF:459487.7/9

+ sign 4508.401+/-0.794 χ^2/NDF: 1012718.6/27

All: 4175.601+/-0.536 χ^2/NDF: 4718124.6/56

- sign 3897.183+/-0.726 χ^2/NDF: 3382969.8/28

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

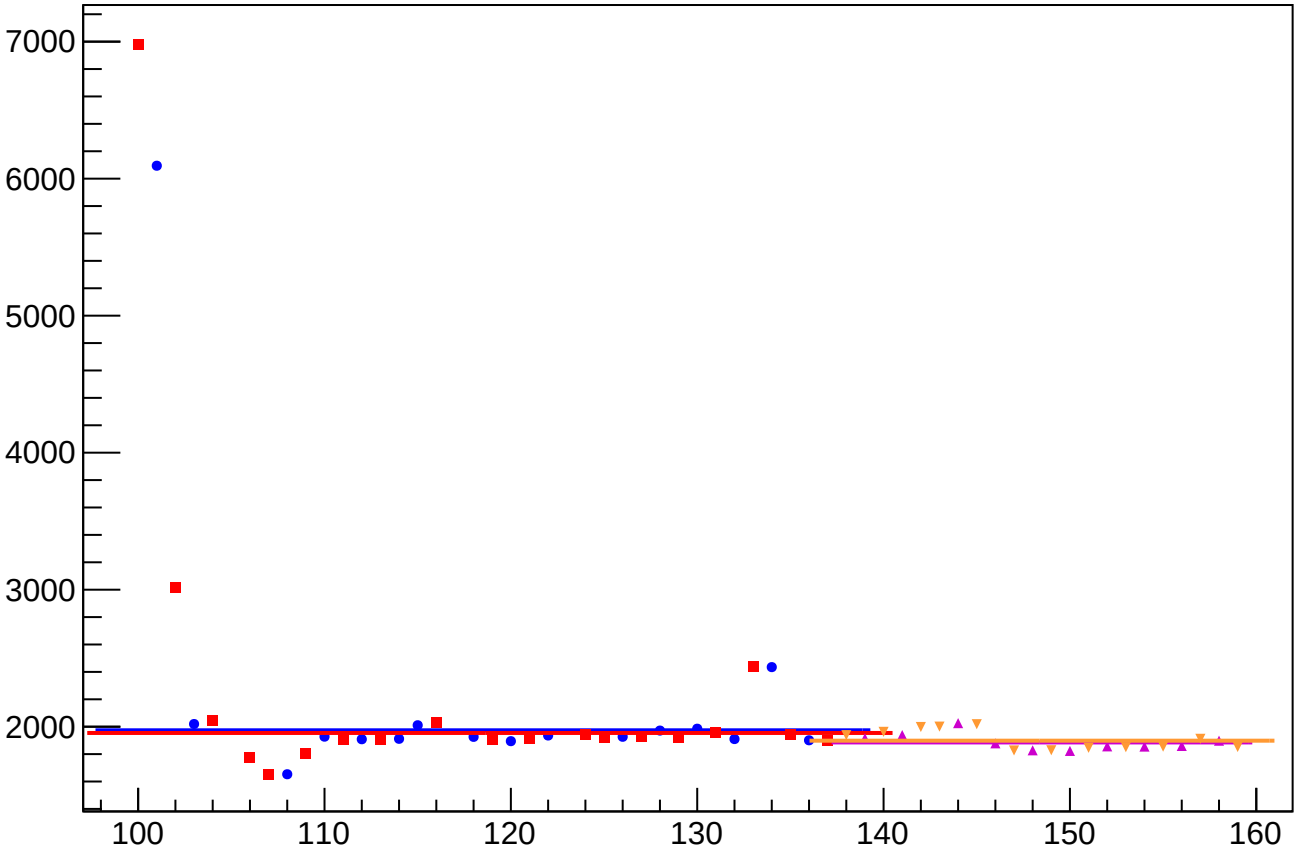
Left In: -3553.103+/-638.529 χ^2/NDF:14.7/9

+ sign 2119.542+/-475.608 χ^2/NDF: 29.0/27

All: -469.585+/-338.542 χ^2/NDF: 121.8/56

- sign -3128.755+/-481.998 χ^2/NDF: 32.8/28

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

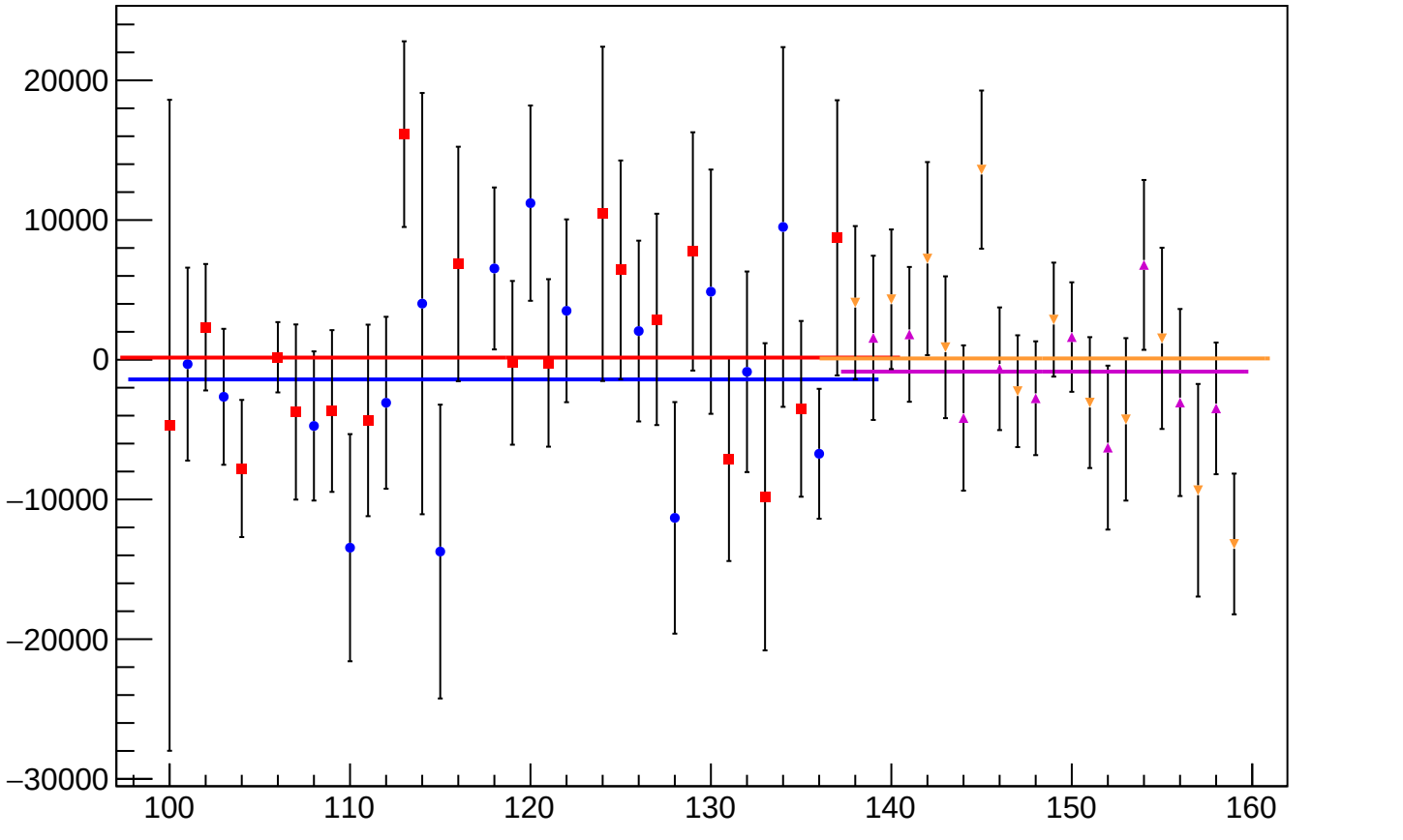
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1885.185+/-0.452 χ^2/NDF:15508.8/9

+ sign 1928.386+/-0.336 χ^2/NDF: 701529.9/27

All: 1921.762+/-0.239 χ^2/NDF: 974137.2/56

- sign 1914.964+/-0.341 χ^2/NDF: 271821.3/28



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

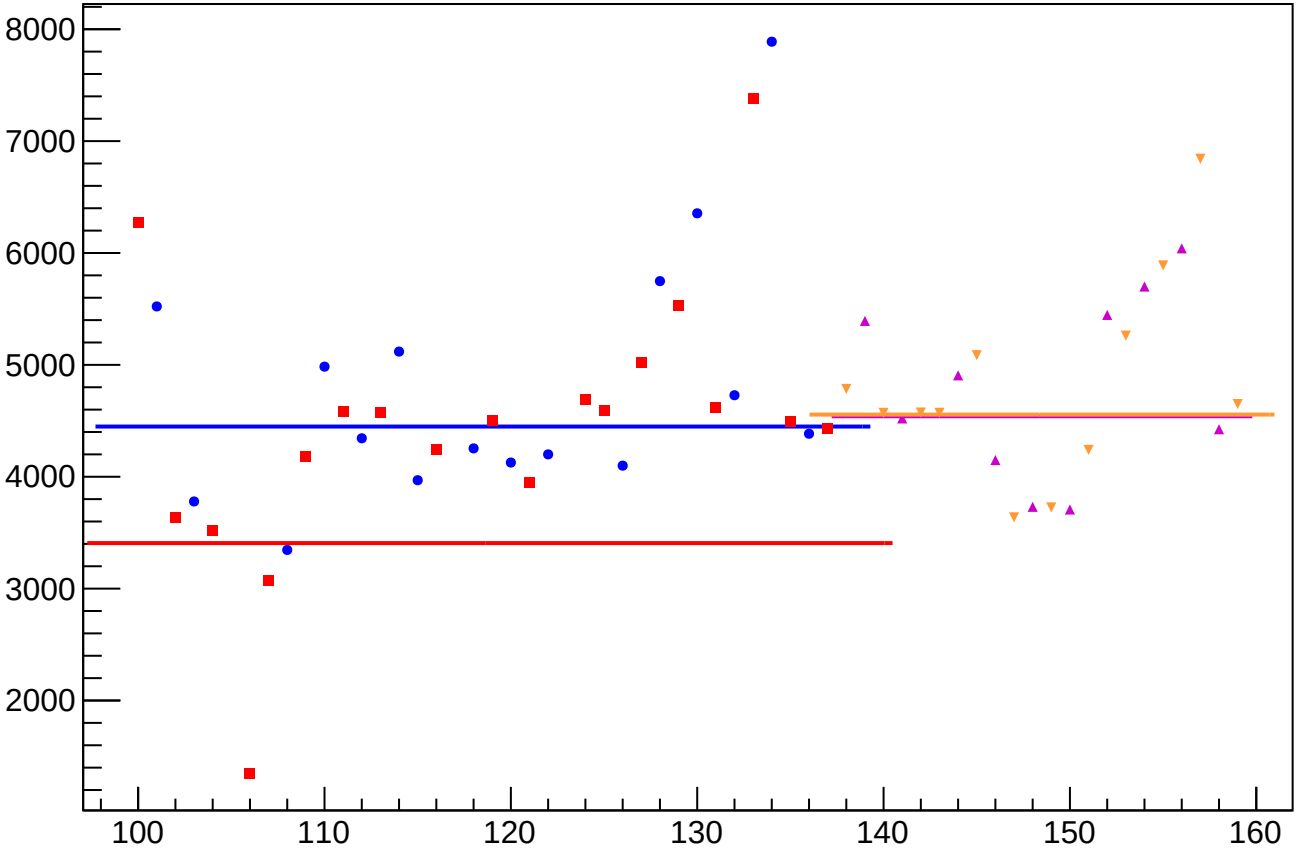
Left In: -849.412+/-1562.503 χ^2/NDF:4.4/9

+ sign -569.030+/-1123.267 χ^2/NDF: 33.1/27

All: -411.169+/-758.112 χ^2/NDF: 53.5/56

- sign -279.104+/-1027.399 χ^2/NDF: 20.4/28

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

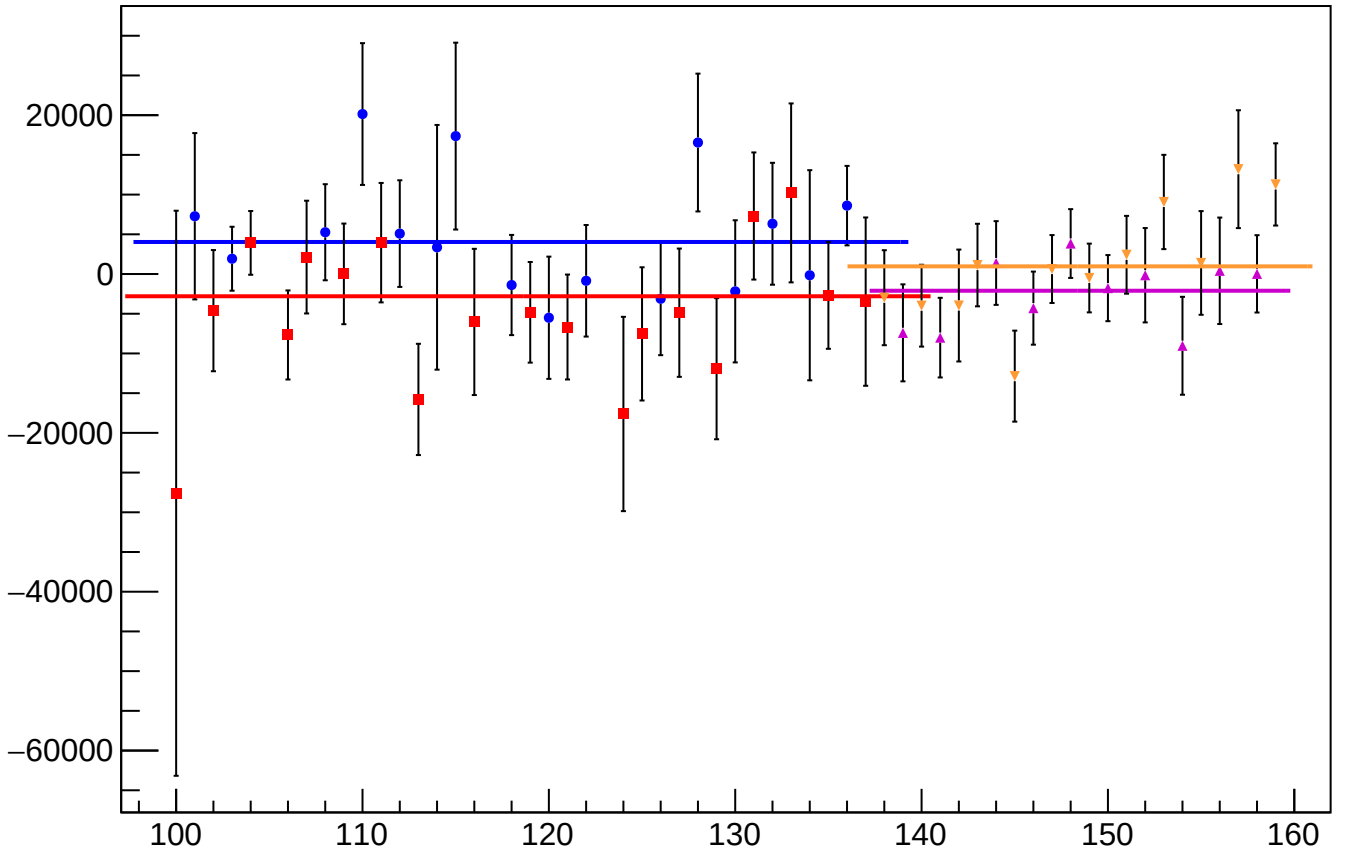
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4540.595+/-1.105 χ^2/NDF:459485.0/9

+ sign 4508.401+/-0.794 χ^2/NDF: 1012715.1/27

All: 4175.599+/-0.536 χ^2/NDF: 4718142.1/56

- sign 3897.179+/-0.726 χ^2/NDF: 3382986.4/28



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

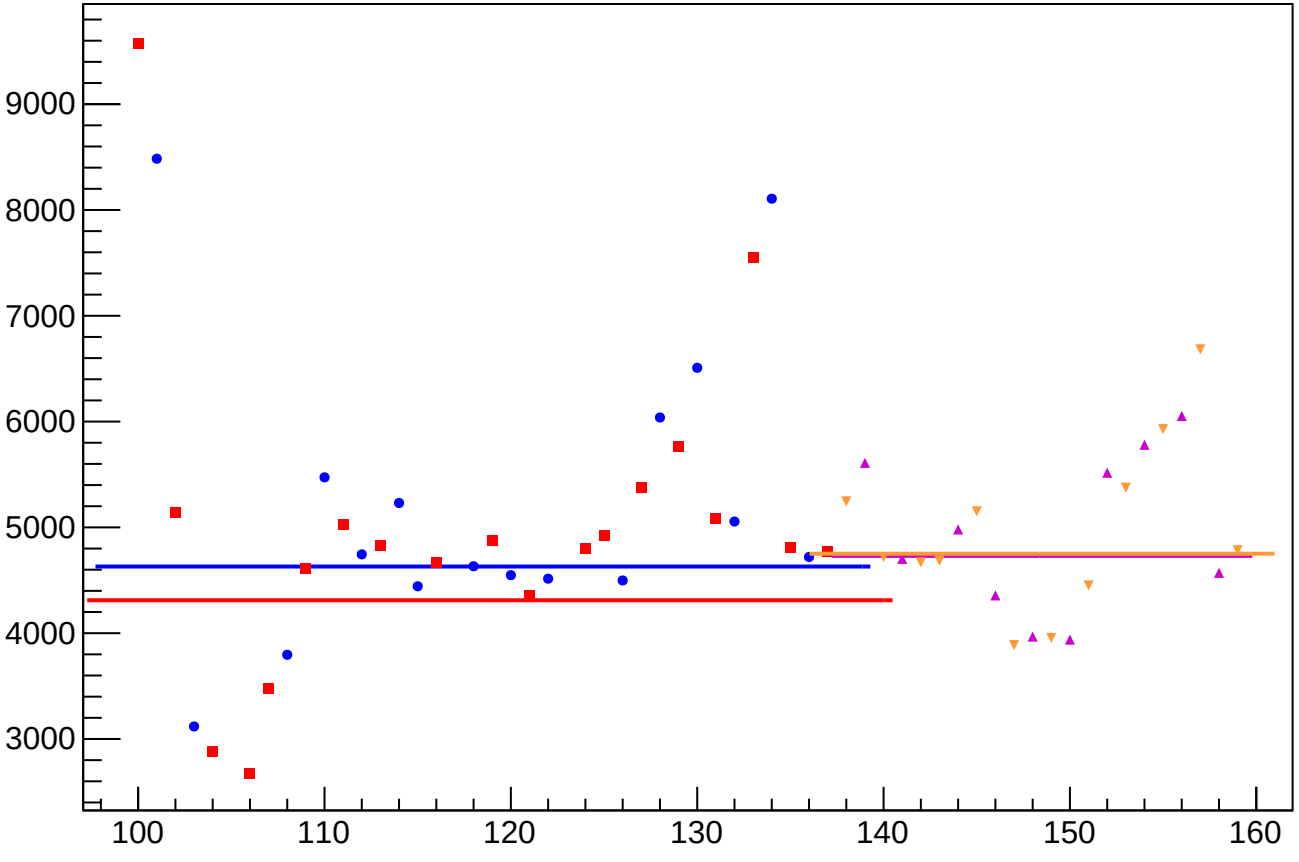
Left In: -2105.664+/-1622.171 χ^2/NDF:6.4/9

+ sign 2297.924+/-1174.243 χ^2/NDF: 30.5/27

All: -92.659+/-826.750 χ^2/NDF: 60.6/56

- sign -2442.622+/-1164.224 χ^2/NDF: 21.9/28

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

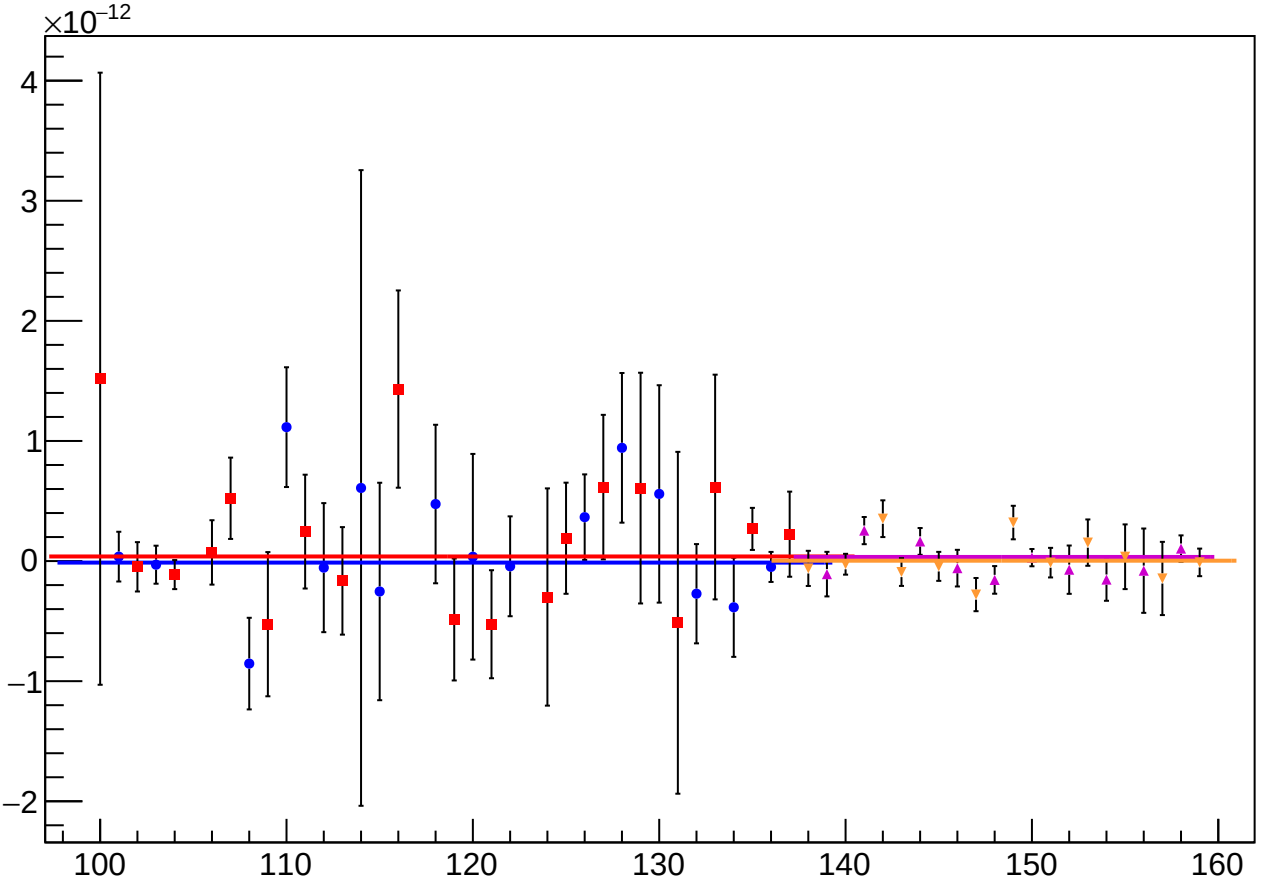
Left In: 4730.765+/-1.147 χ^2/NDF:366611.0/9

+ sign 4698.574+/-0.830 χ^2/NDF: 1309338.0/27

All: 4610.929+/-0.583 χ^2/NDF: 2668142.4/56

- sign 4525.499+/-0.820 χ^2/NDF: 1336801.7/28

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

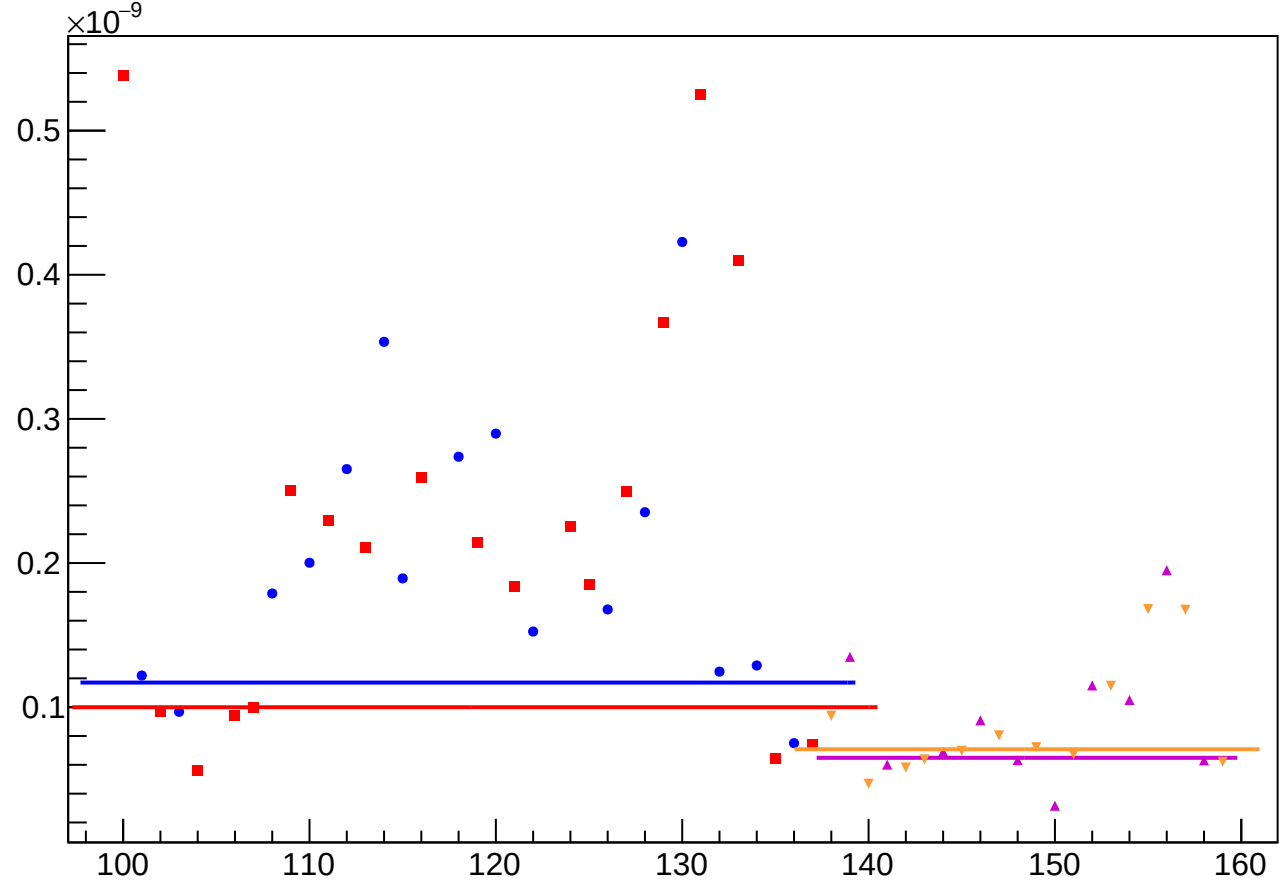
Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 32.5/27

All: 0.000+/-0.000 χ^2/NDF: 58.8/56

- sign 0.000+/-0.000 χ^2/NDF: 25.7/28

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

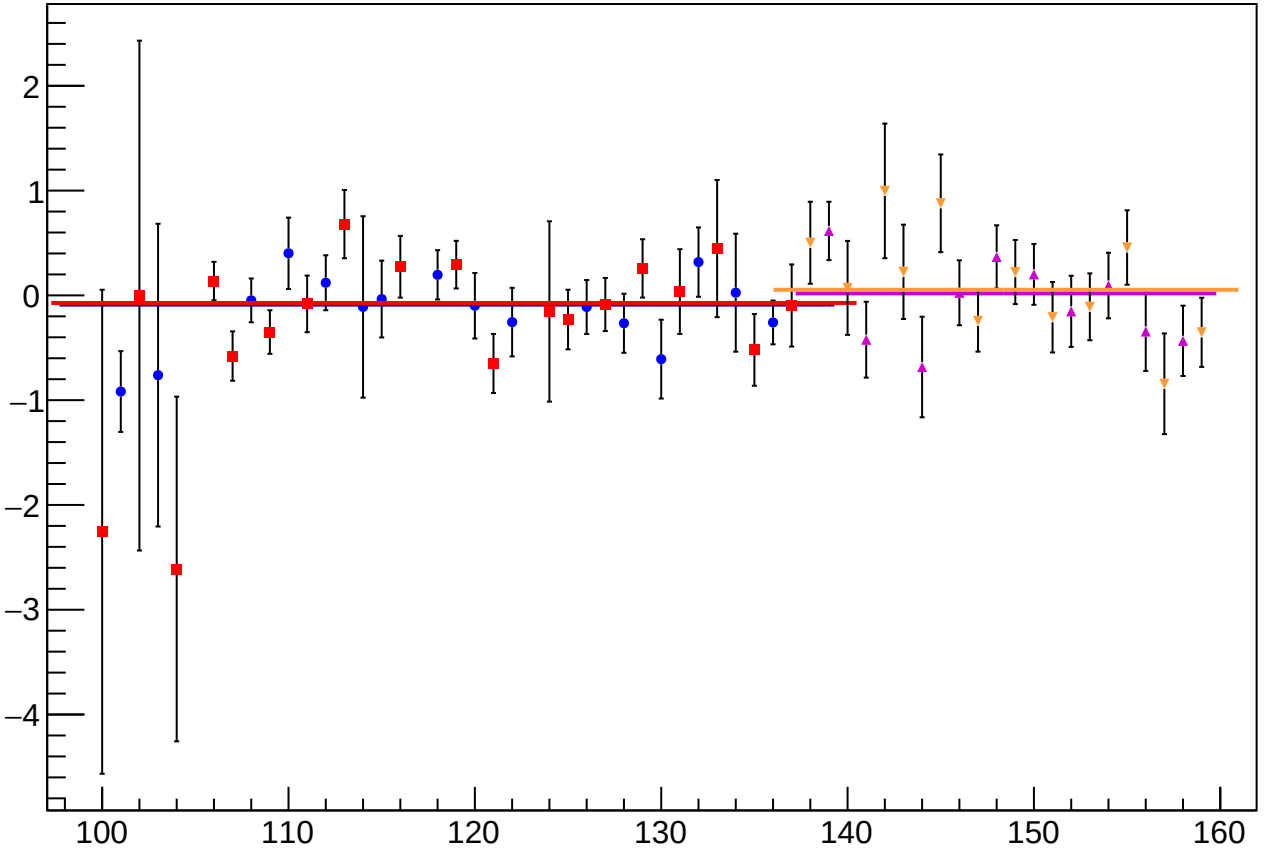
Left In: 0.000+/-0.000 χ^2/NDF:1281120.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 2507766.2/27

All: 0.000+/-0.000 χ^2/NDF: 6043225.4/56

- sign 0.000+/-0.000 χ^2/NDF: 3485861.4/28

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

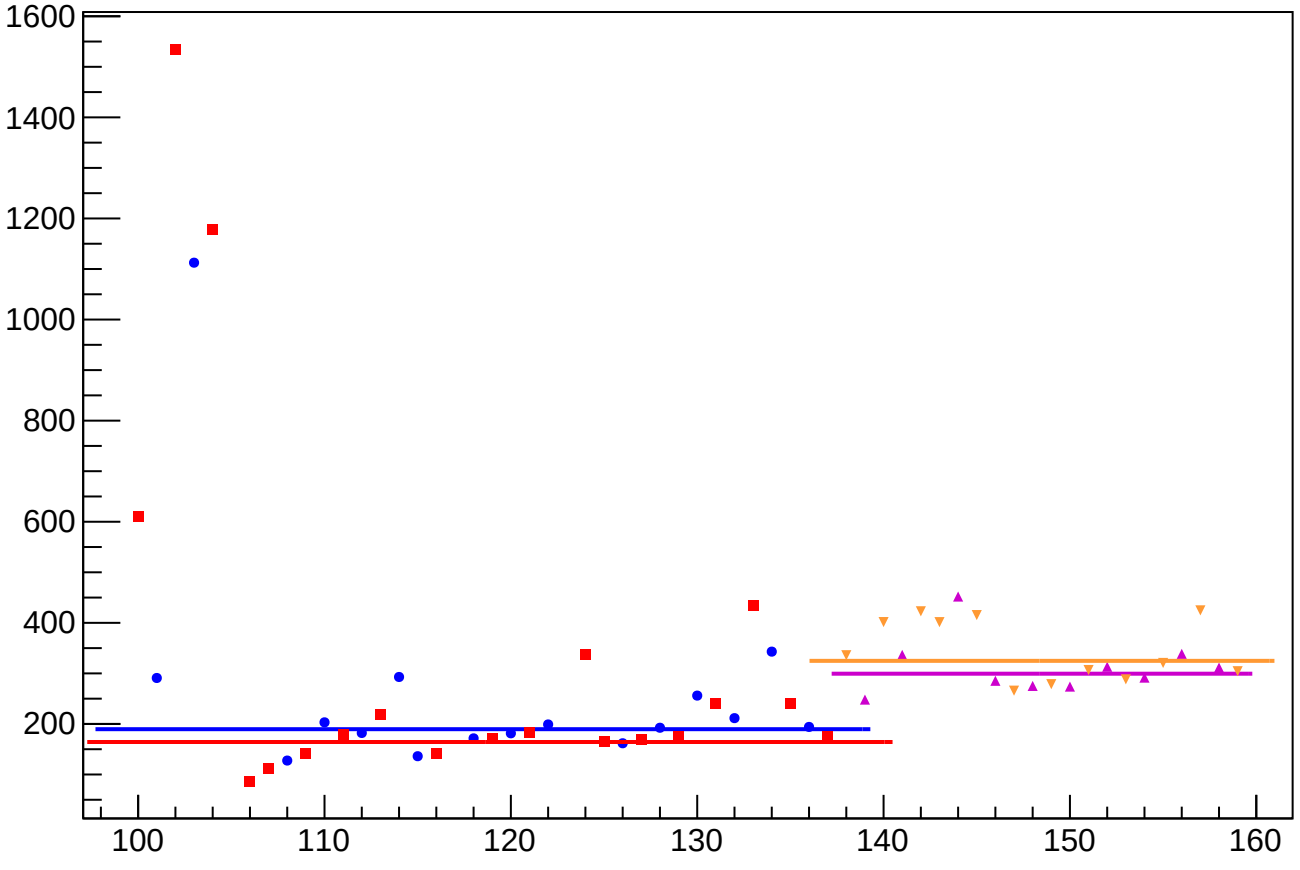
Left In: 0.019+/-0.104 χ^2/NDF:13.0/9

+ sign -0.040+/-0.063 χ^2/NDF: 30.2/27

All: -0.042+/-0.043 χ^2/NDF: 72.4/56

- sign -0.044+/-0.058 χ^2/NDF: 42.2/28

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

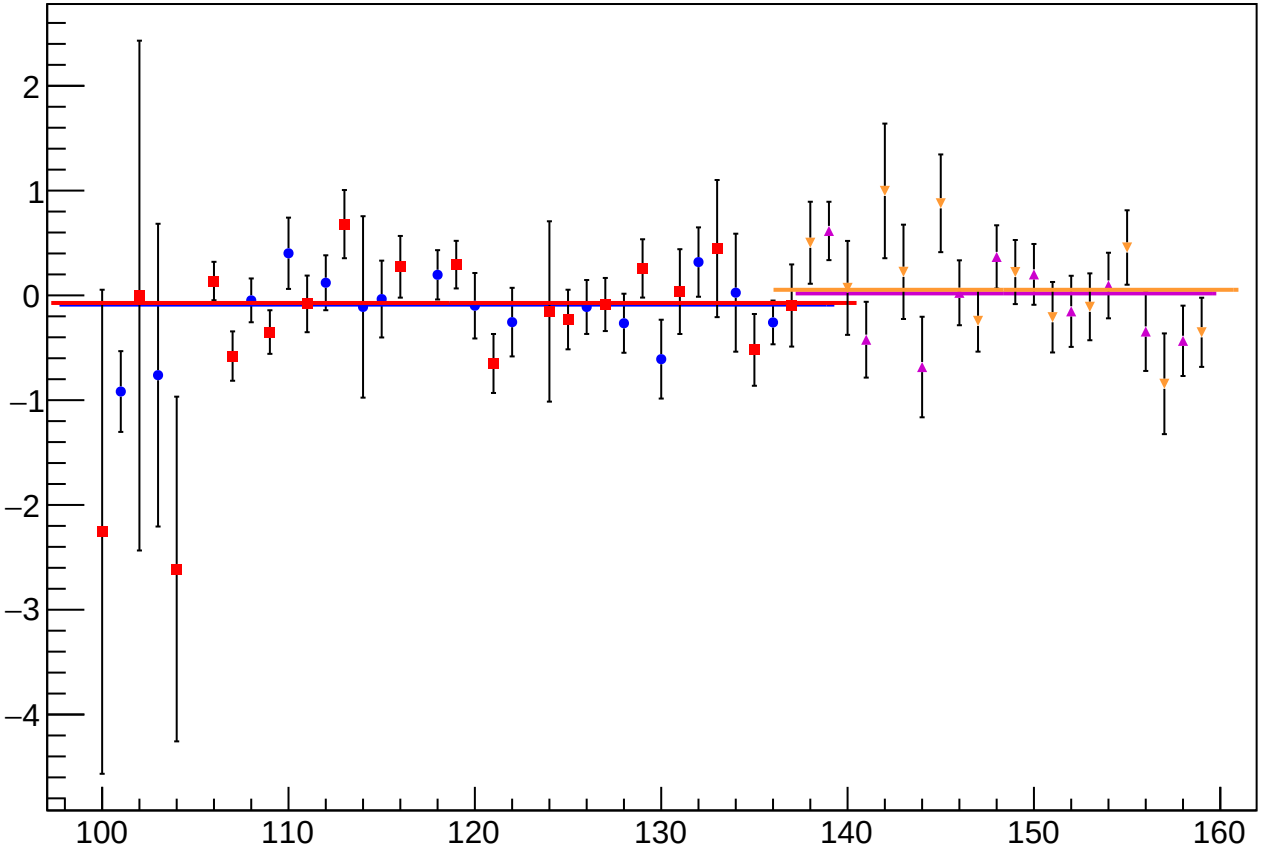
Left In: 299.389+/-0.073 χ^2/NDF:352539.0/9

+ sign 235.047+/-0.044 χ^2/NDF: 4041799.2/27

All: 219.746+/-0.030 χ^2/NDF: 9591676.1/56

- sign 206.579+/-0.041 χ^2/NDF: 5327253.9/28

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

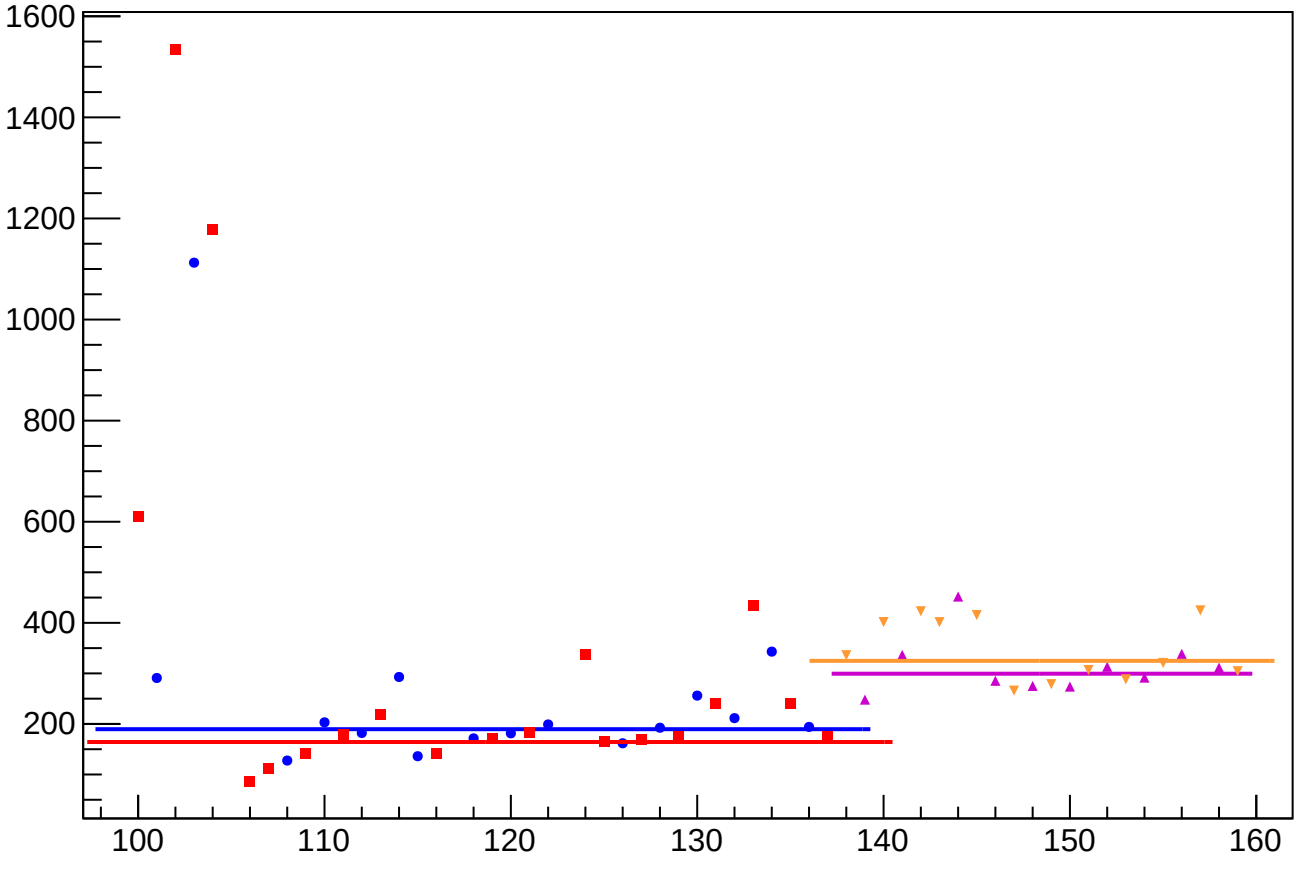
Left In: 0.019+/-0.104 χ^2/NDF:13.0/9

+ sign -0.040+/-0.063 χ^2/NDF: 30.2/27

All: -0.042+/-0.043 χ^2/NDF: 72.4/56

- sign -0.044+/-0.058 χ^2/NDF: 42.2/28

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

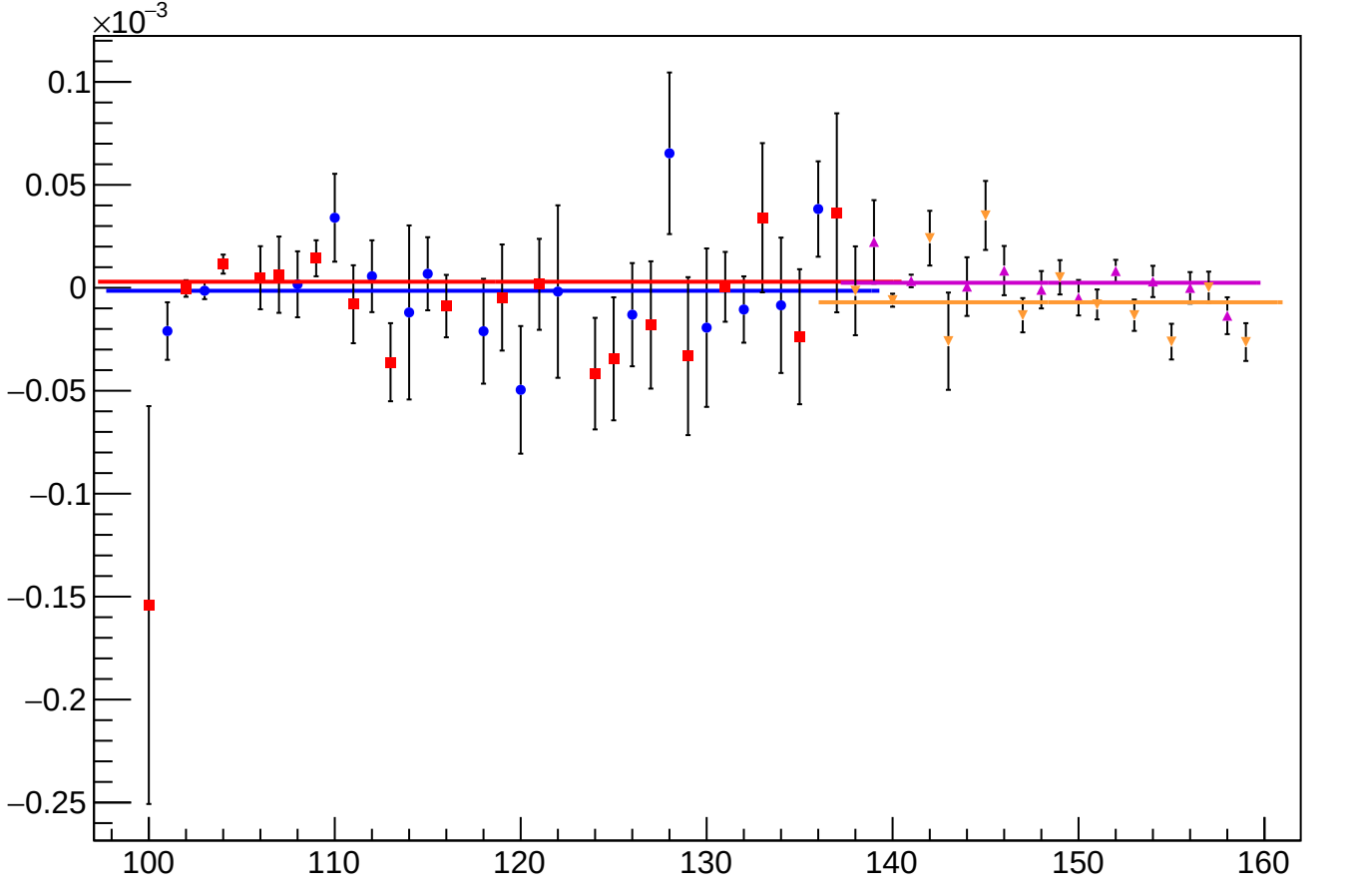
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 299.389+/-0.073 χ^2/NDF:352539.0/9

+ sign 235.047+/-0.044 χ^2/NDF: 4041799.2/27

All: 219.746+/-0.030 χ^2/NDF: 9591676.1/56

- sign 206.579+/-0.041 χ^2/NDF: 5327253.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/11

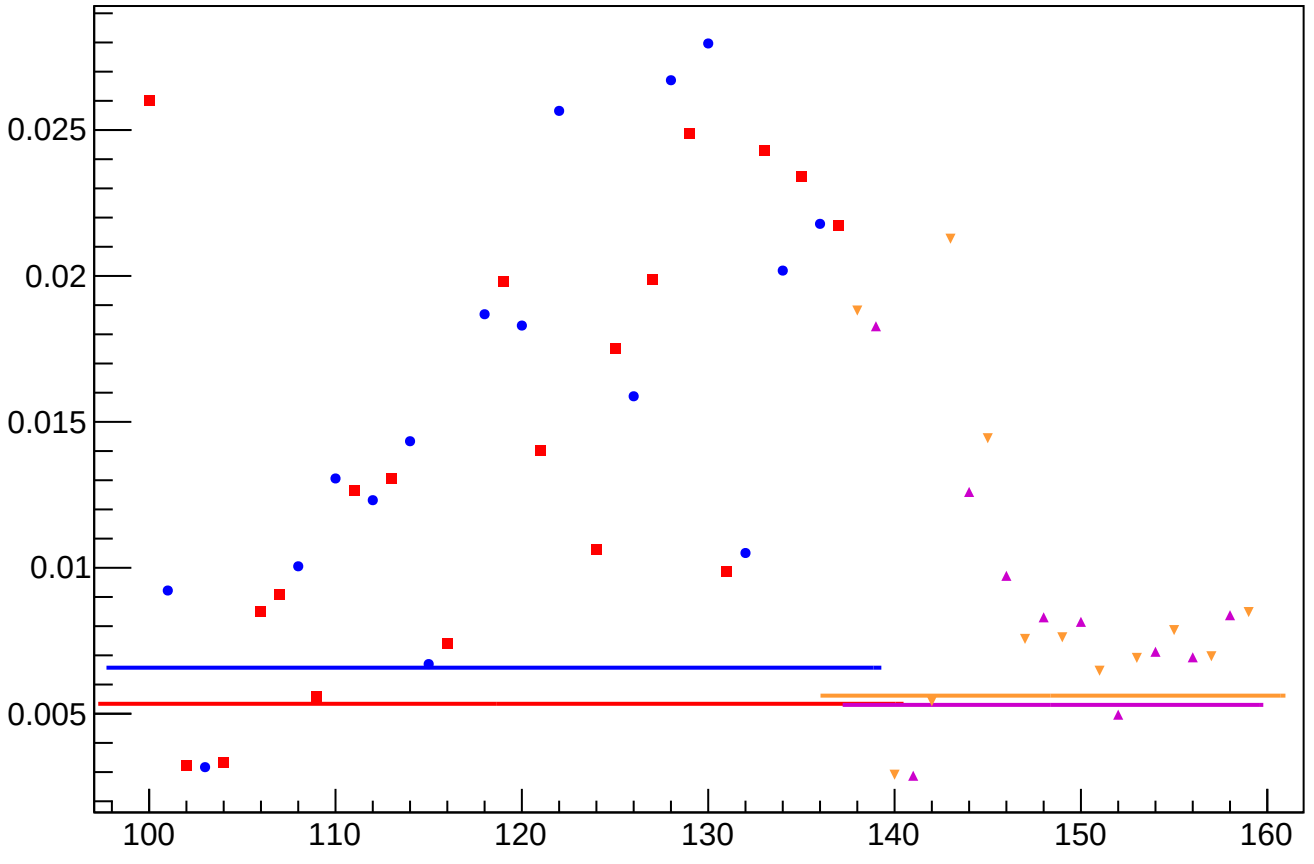
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/27

All: -0.000+/-0.000 χ^2/NDF: 82.0/56

- sign 0.000+/-0.000 χ^2/NDF: 27.9/28



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

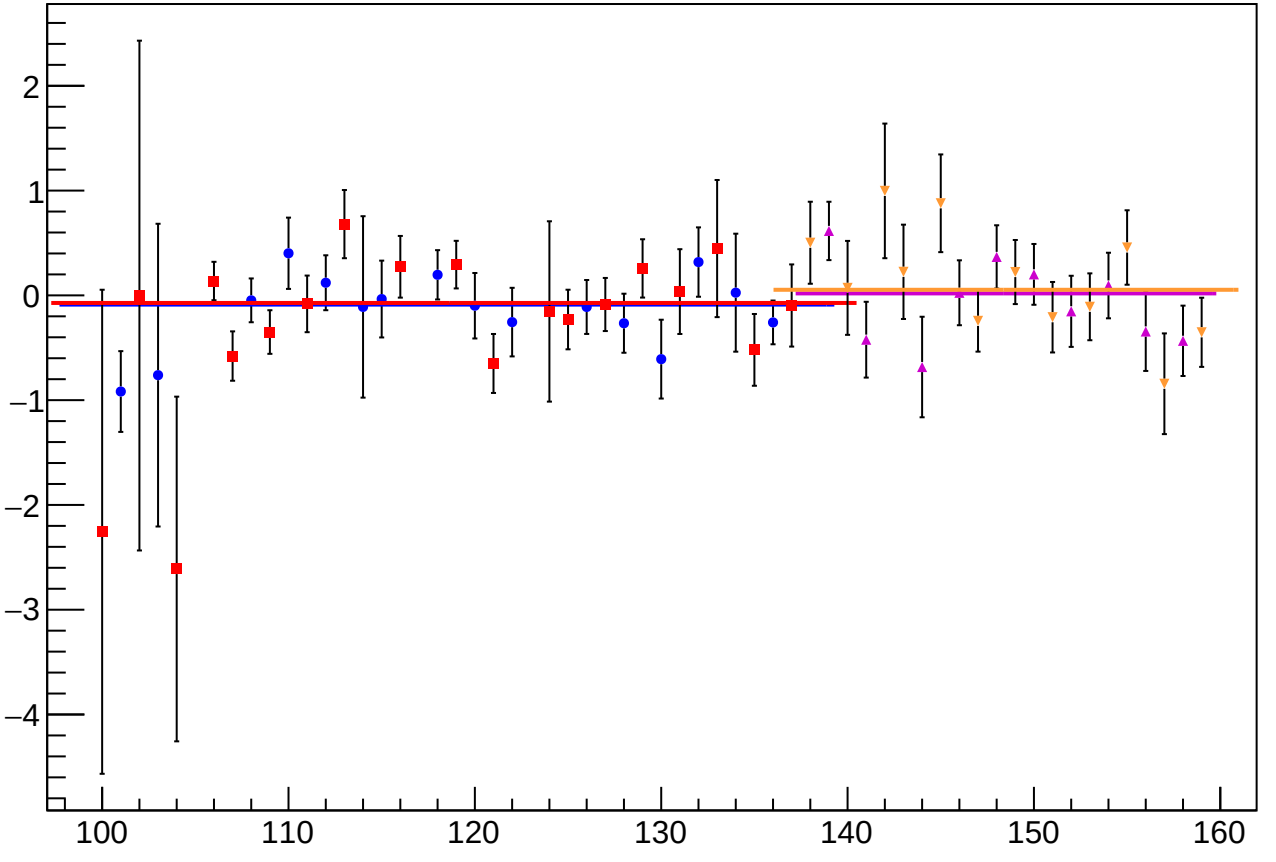
Left In: 0.005+/-0.000 χ^2/NDF:3762481.6/9

+ sign 0.006+/-0.000 χ^2/NDF: 10385947.7/27

All: 0.006+/-0.000 χ^2/NDF: 19950551.4/56

- sign 0.005+/-0.000 χ^2/NDF: 9448649.0/28

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

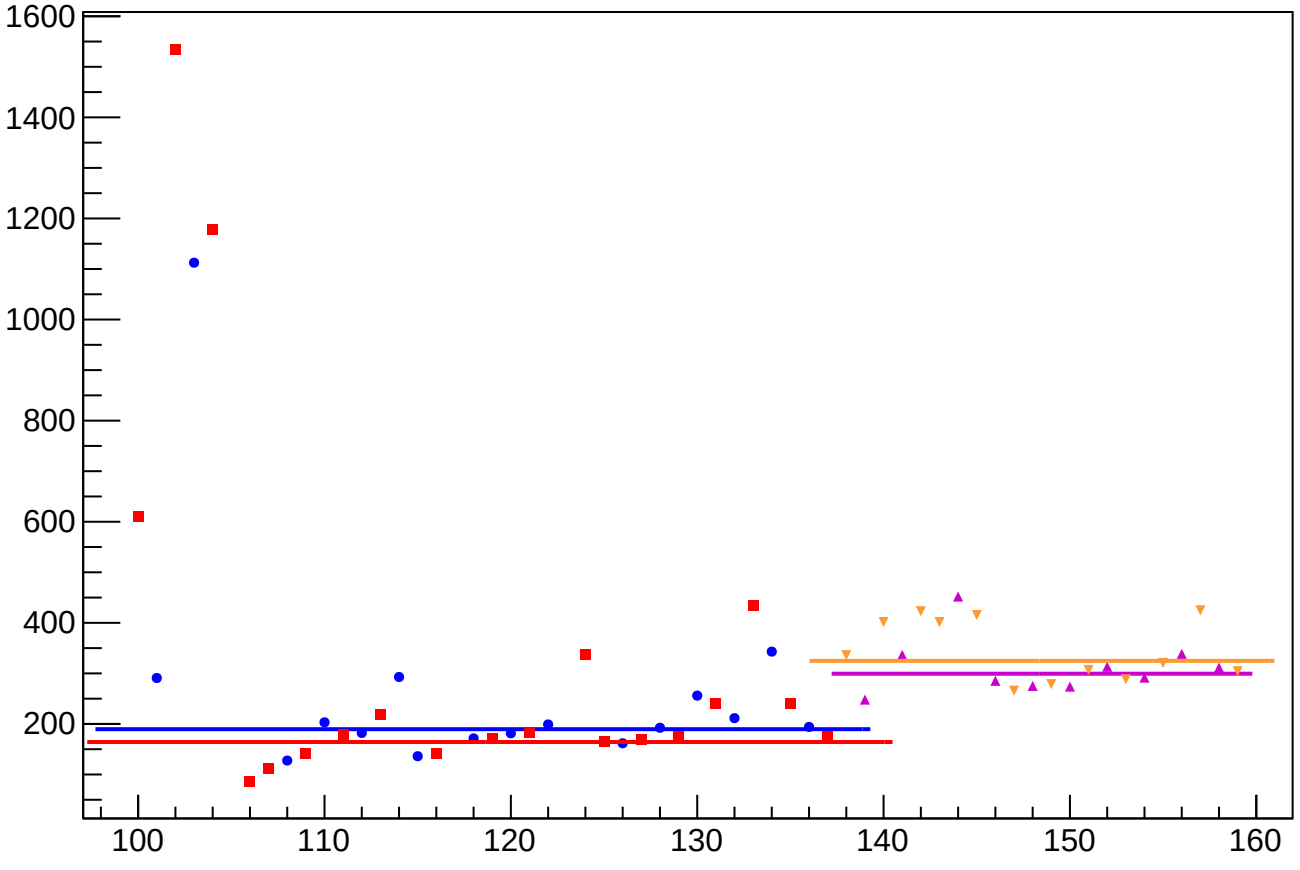
Left In: 0.019+/-0.104 χ^2/NDF:13.0/9

+ sign -0.040+/-0.063 χ^2/NDF: 30.2/27

All: -0.042+/-0.043 χ^2/NDF: 72.4/56

- sign -0.044+/-0.058 χ^2/NDF: 42.2/28

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

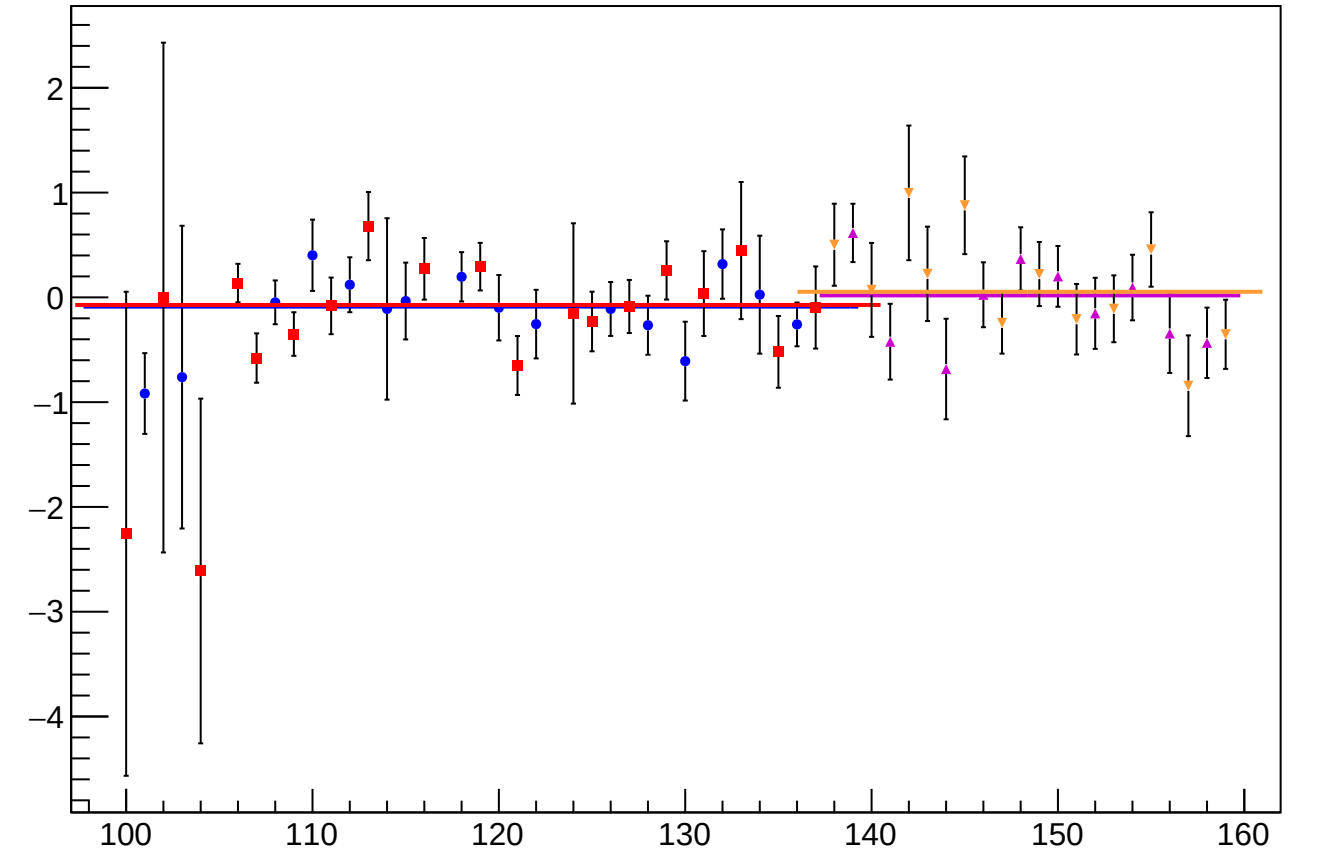
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 299.393+/-0.073 χ^2/NDF:352520.0/9

+ sign 235.047+/-0.044 χ^2/NDF: 4041887.7/27

All: 219.745+/-0.030 χ^2/NDF: 9591848.8/56

- sign 206.579+/-0.041 χ^2/NDF: 5327334.3/28



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

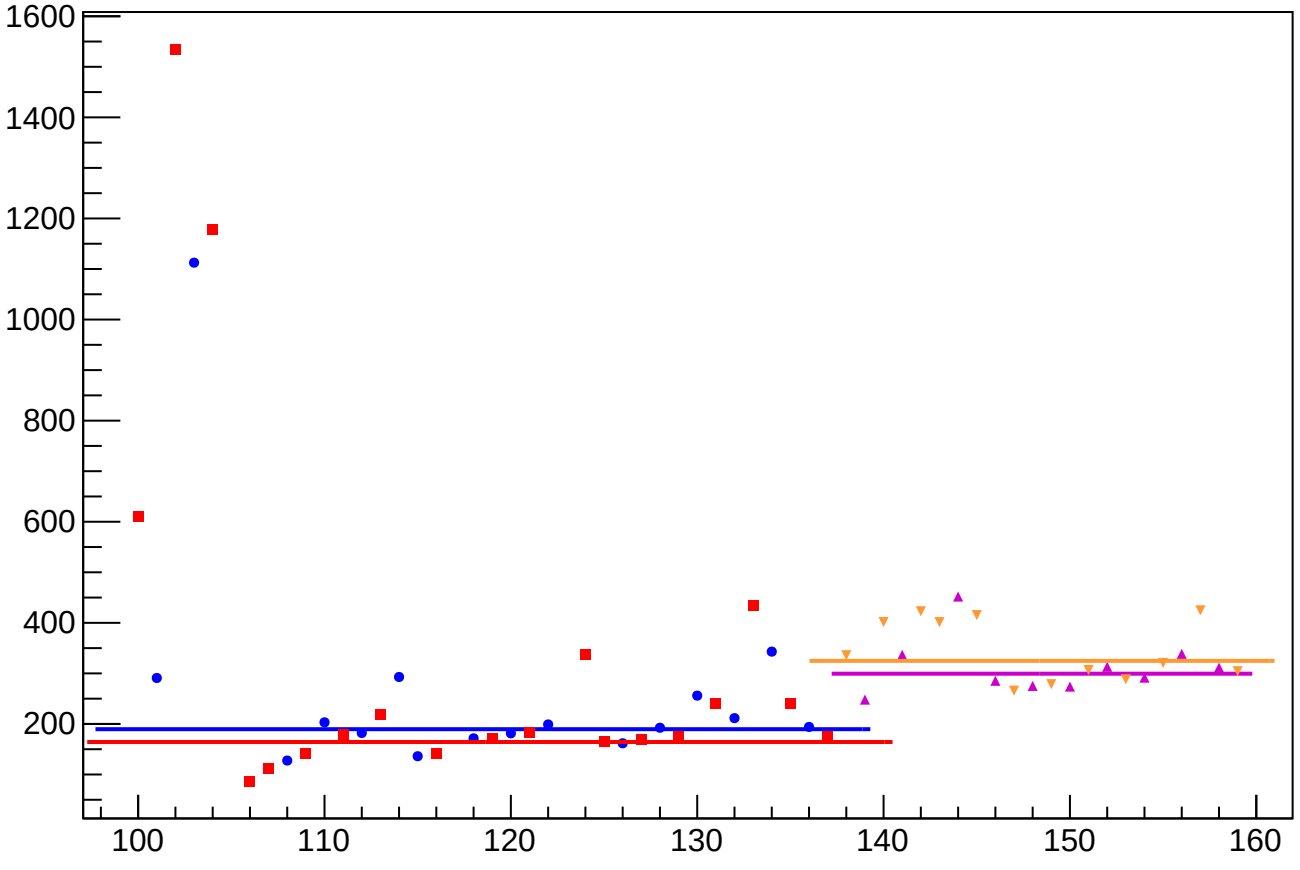
Left In: 0.019+/-0.104 χ^2/NDF:13.0/9

+ sign -0.040+/-0.063 χ^2/NDF: 30.2/27

All: -0.042+/-0.043 χ^2/NDF: 72.4/56

- sign -0.044+/-0.058 χ^2/NDF: 42.2/28

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

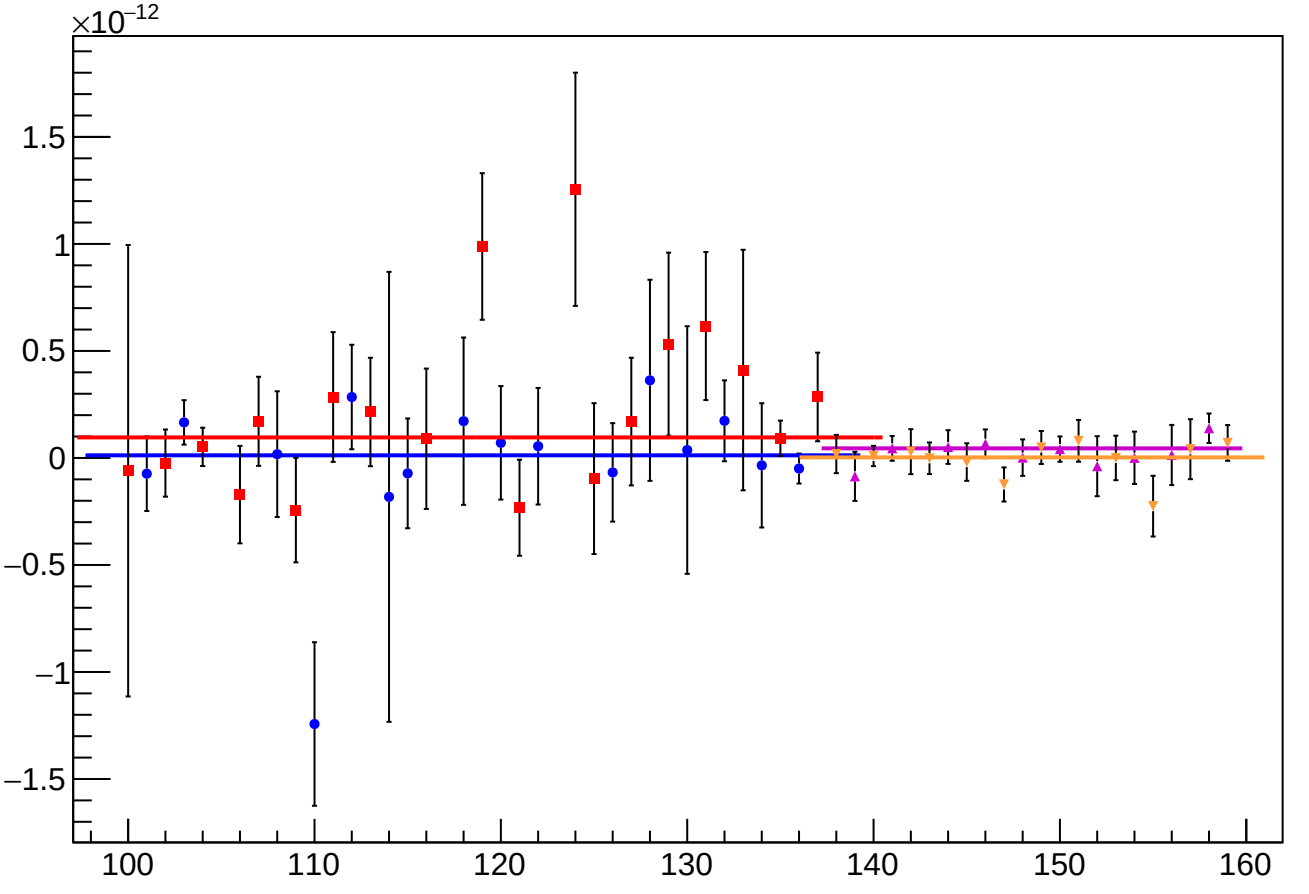
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 299.393+/-0.073 χ^2/NDF:352520.0/9

+ sign 235.047+/-0.044 χ^2/NDF: 4041887.7/27

All: 219.745+/-0.030 χ^2/NDF: 9591848.8/56

- sign 206.579+/-0.041 χ^2/NDF: 5327334.3/28



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

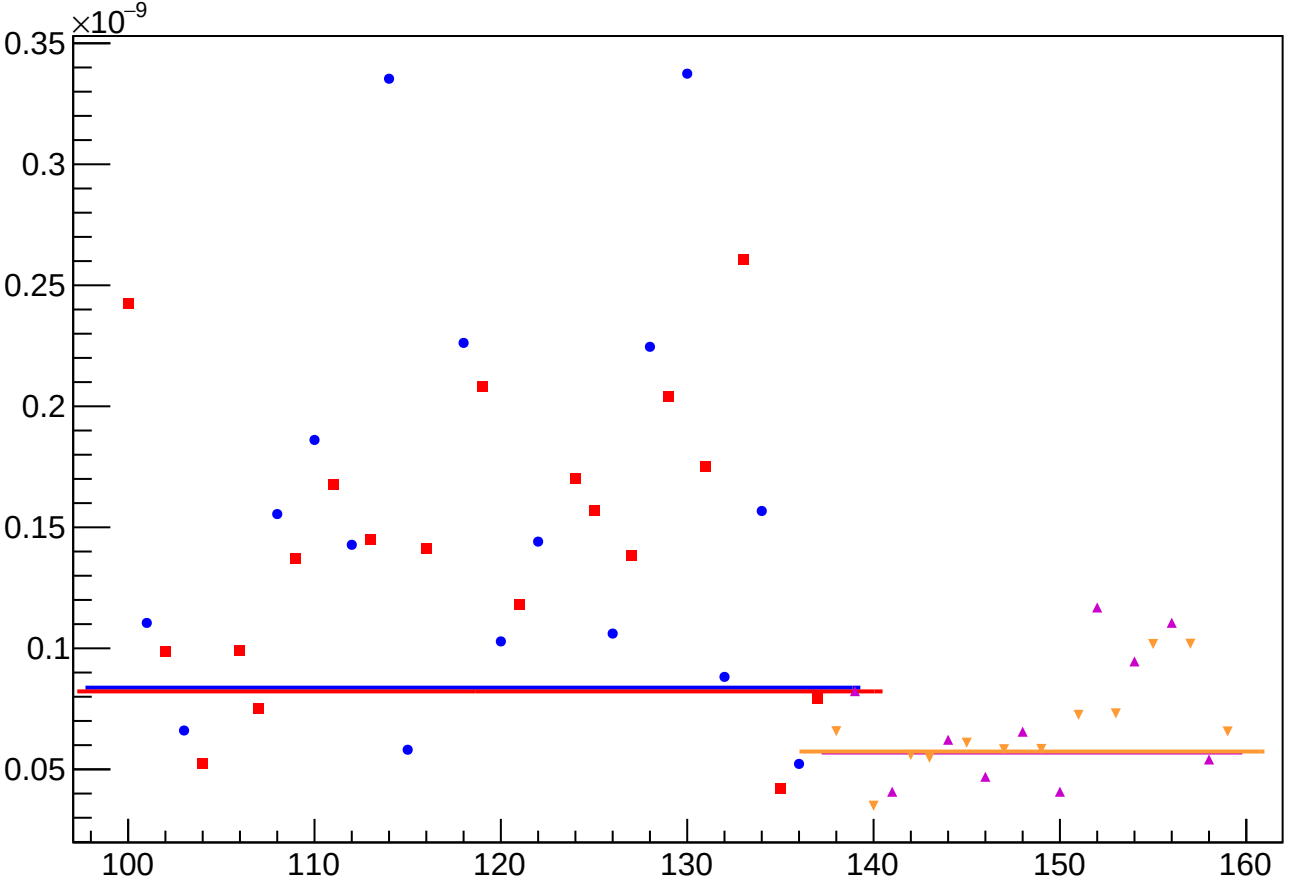
Left In: 0.000+/-0.000 χ^2/NDF:4.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/27

All: 0.000+/-0.000 χ^2/NDF: 55.3/56

- sign 0.000+/-0.000 χ^2/NDF: 28.2/28

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:983187.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

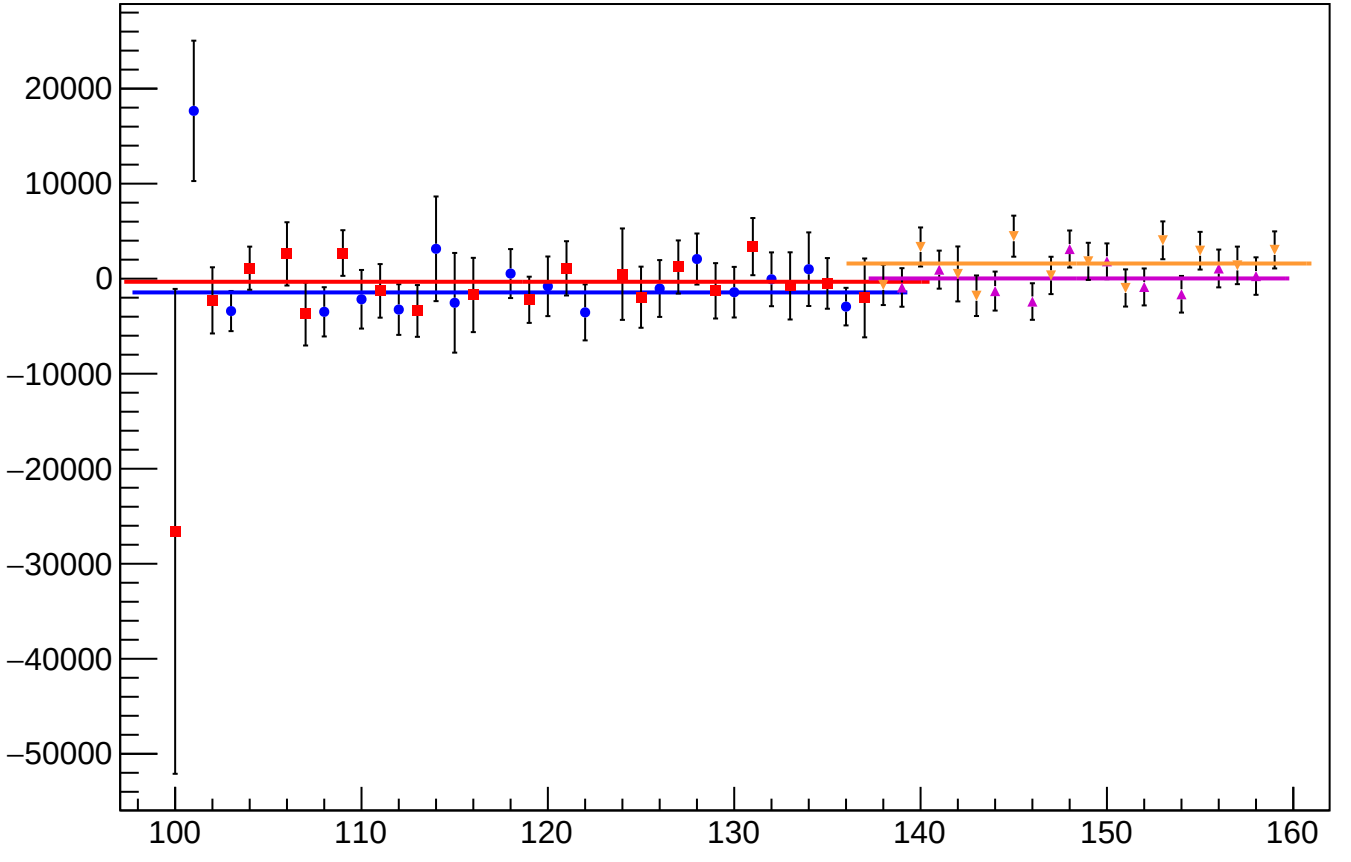
Left In: 0.000+/-0.000 χ^2/NDF:1326920.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 3617801.0/27

All: 0.000+/-0.000 χ^2/NDF: 7699653.0/56

- sign 0.000+/-0.000 χ^2/NDF: 4081851.8/28

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

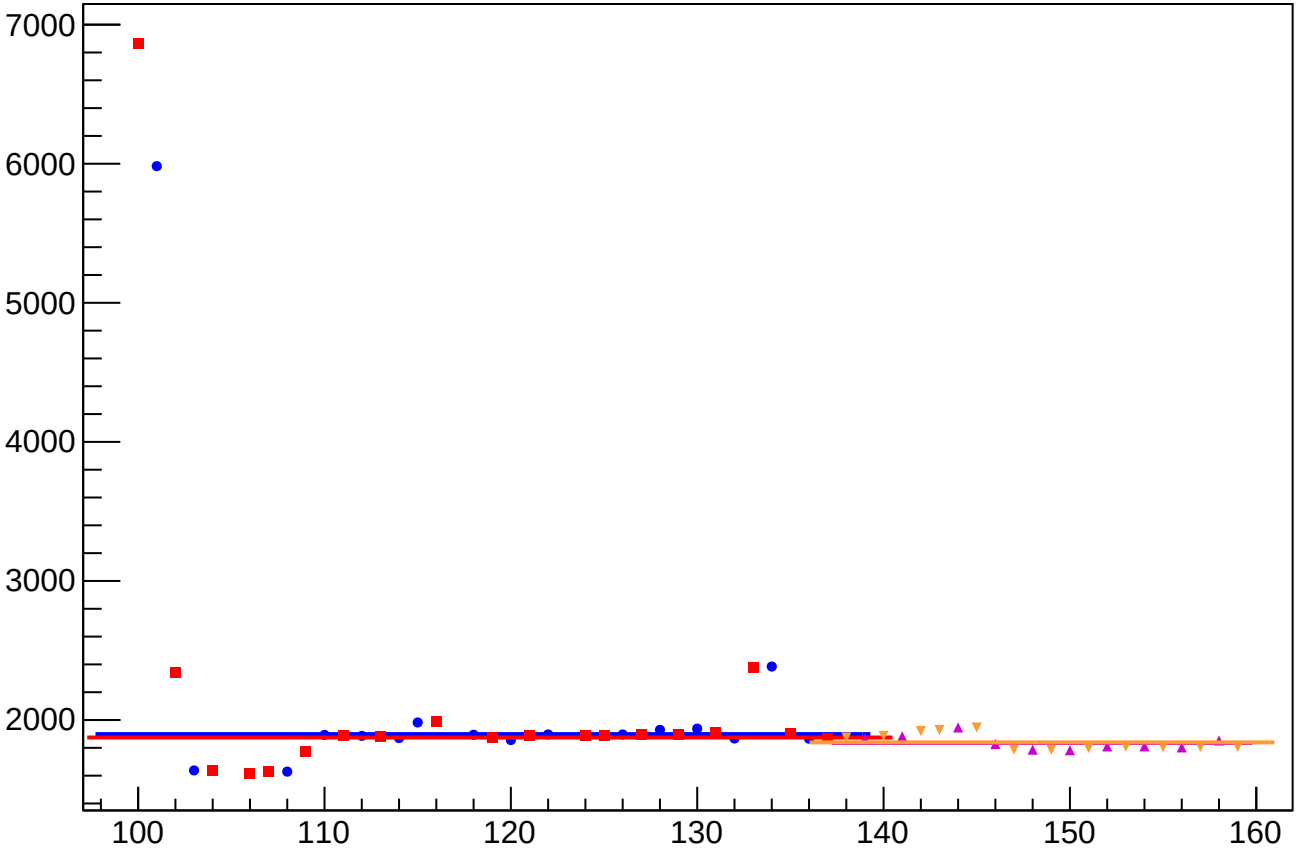
Left In: 24.148+/-621.525 χ^2/NDF:7.1/9

+ sign 366.600+/-459.674 χ^2/NDF: 35.0/27

All: 121.686+/-327.091 χ^2/NDF: 52.8/56

- sign -129.515+/-465.536 χ^2/NDF: 17.2/28

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

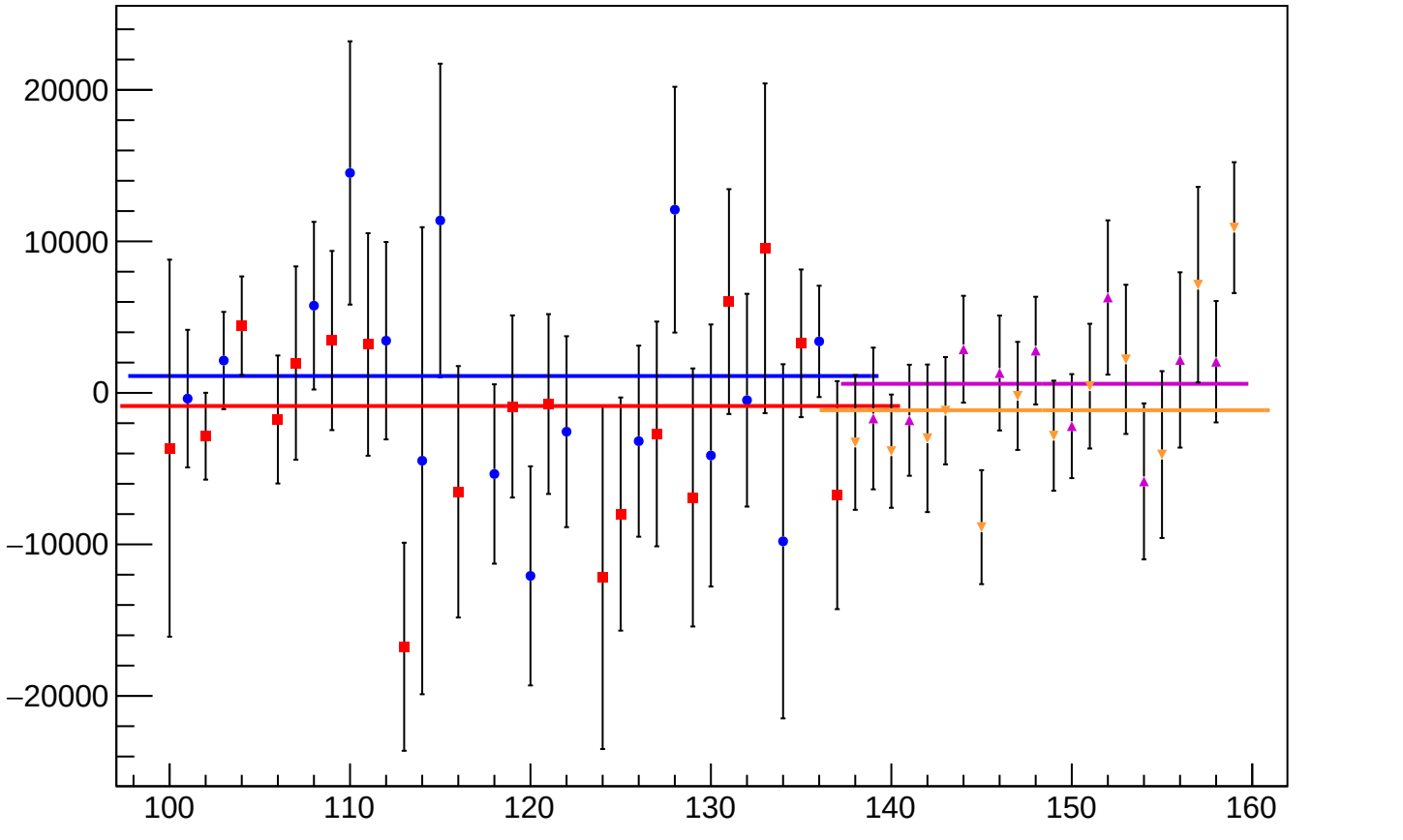
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

+ sign 1863.323+/-0.325 χ^2/NDF: 723038.0/27

All: 1857.944+/-0.231 χ^2/NDF: 946382.7/56

- sign 1852.443+/-0.329 χ^2/NDF: 222790.7/28



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

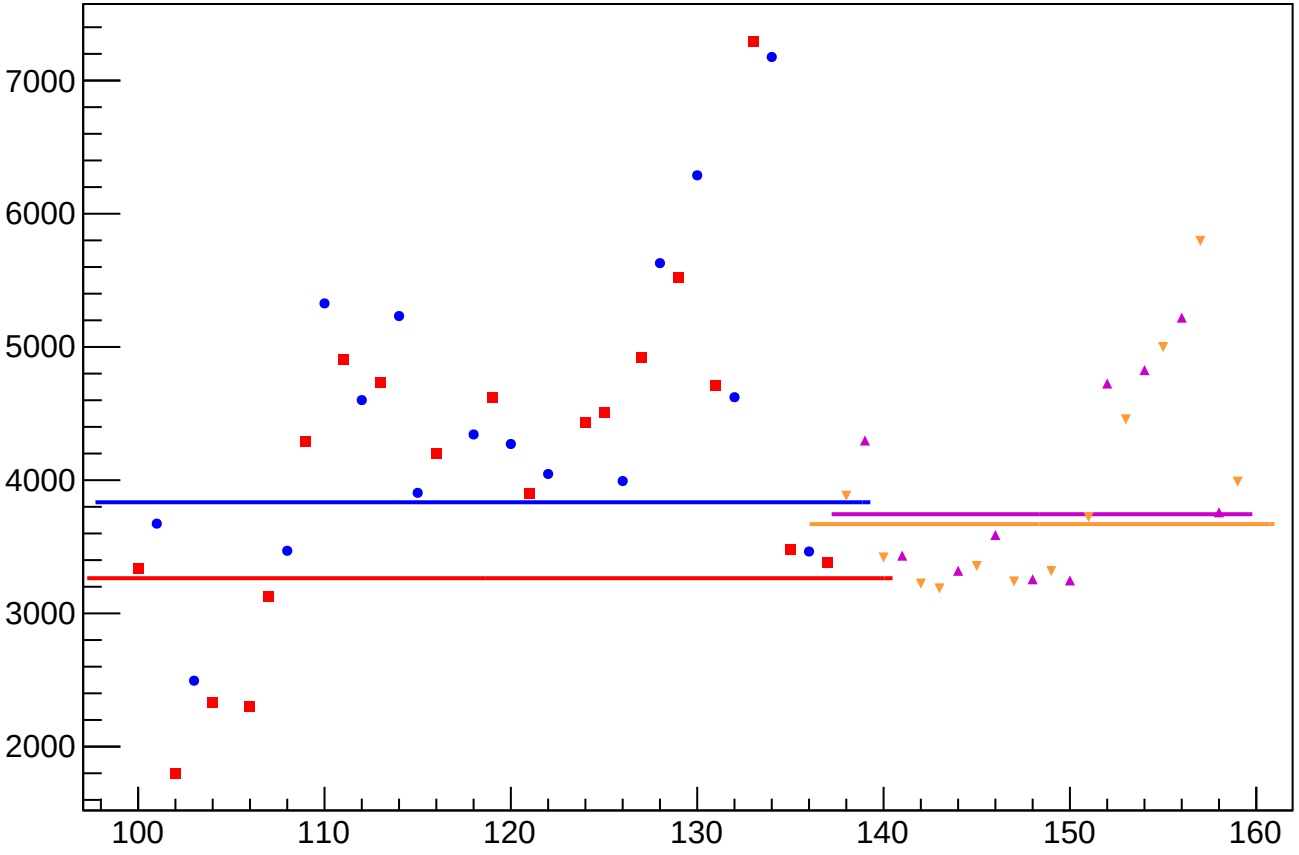
Left In: 599.390+/-1288.006 χ^2/NDF:5.2/9

\+ sign -237.738+/-937.786 χ^2/NDF: 30.5/27

All: -179.080+/-655.817 χ^2/NDF: 51.9/56

\- sign -122.935+/-917.477 χ^2/NDF: 21.5/28

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

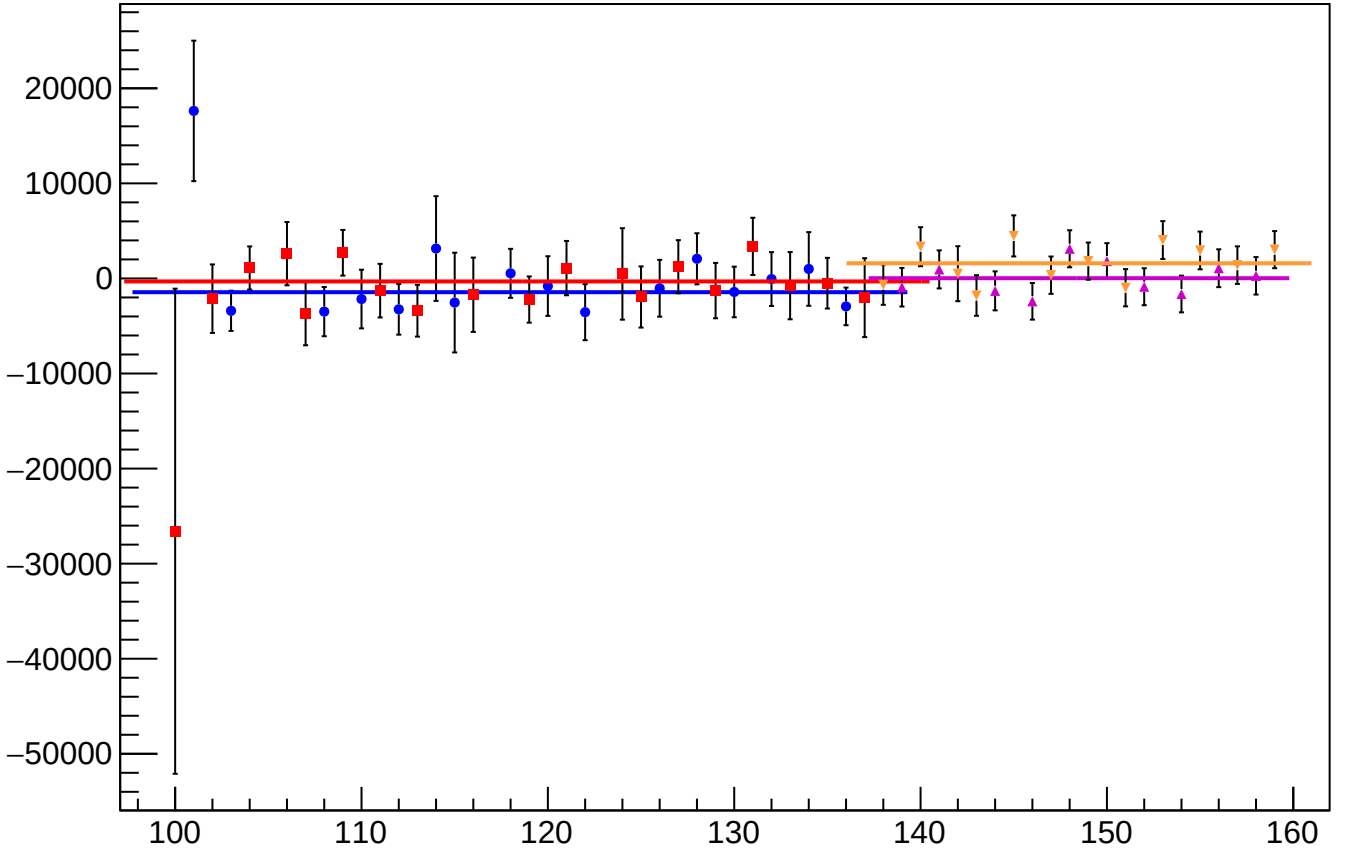
Left In: 3744.563+/-0.911 χ^2/NDF:447215.8/9

+ sign 3736.177+/-0.663 χ^2/NDF: 1496688.7/27

All: 3619.537+/-0.464 χ^2/NDF: 4005783.8/56

- sign 3507.894+/-0.649 χ^2/NDF: 2448540.9/28

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

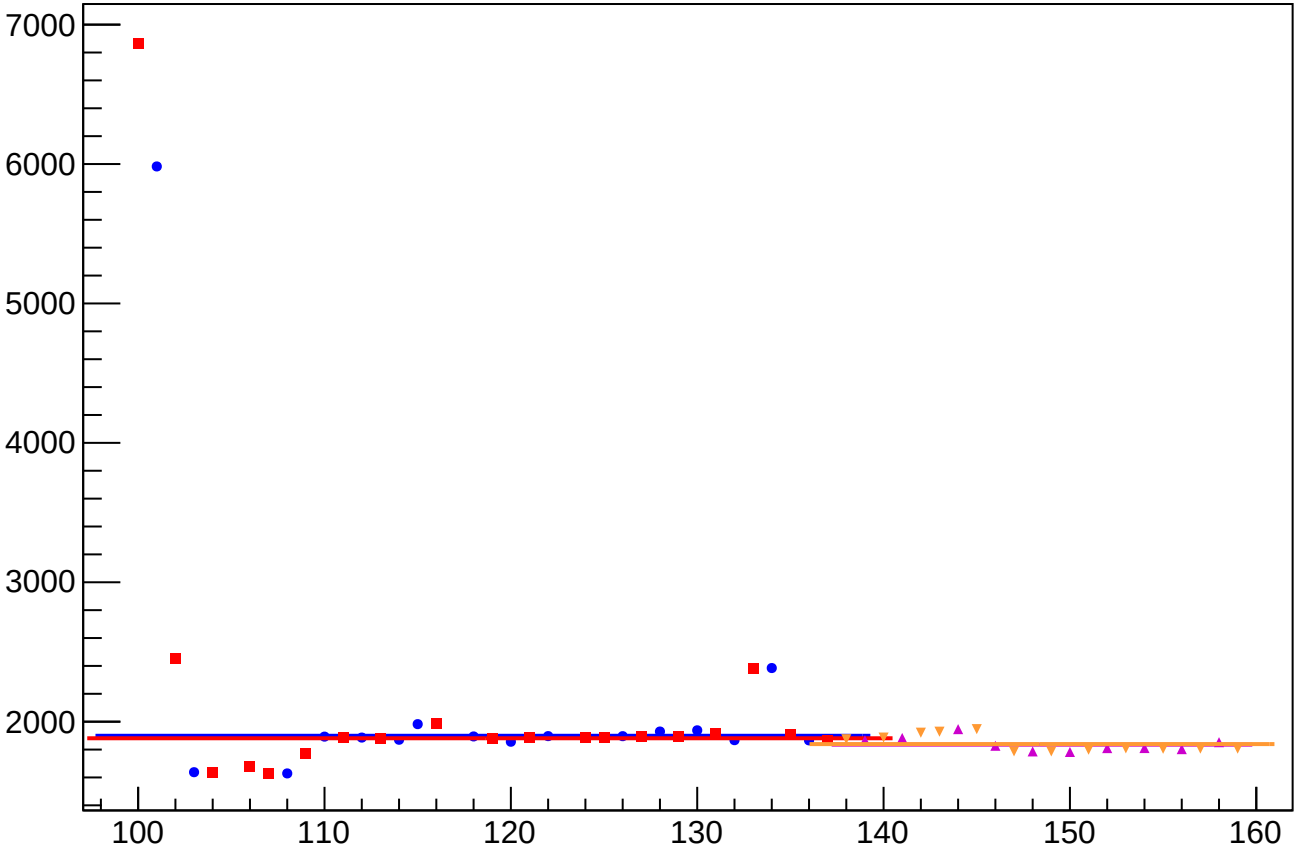
Left In: 24.164+/-621.525 χ^2/NDF:7.1/9

+ sign 366.532+/-459.674 χ^2/NDF: 35.0/27

All: 124.176+/-327.187 χ^2/NDF: 52.7/56

- sign -124.695+/-465.811 χ^2/NDF: 17.2/28

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

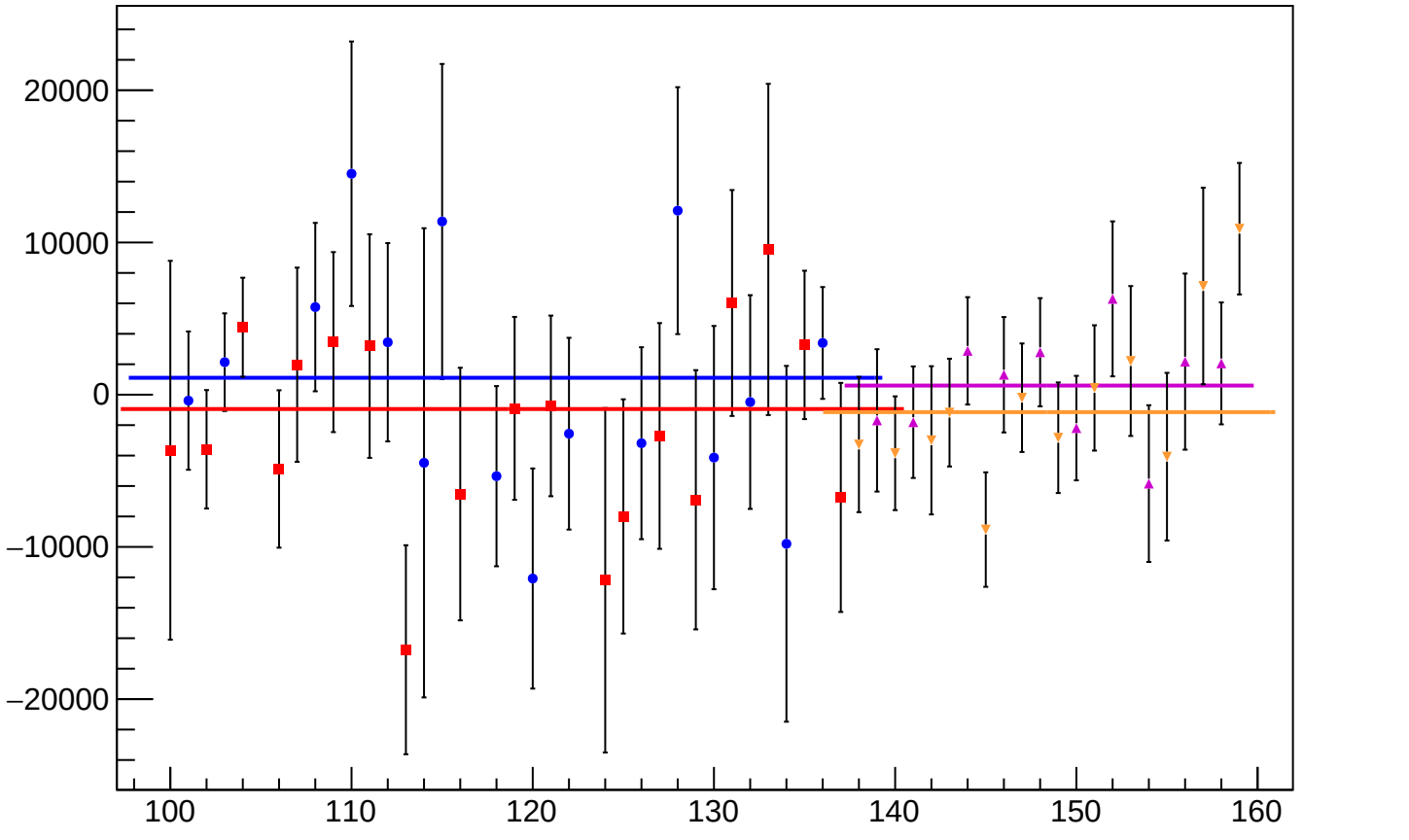
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

+ sign 1863.323+/-0.325 χ^2/NDF: 723038.1/27

All: 1859.386+/-0.231 χ^2/NDF: 956321.6/56

- sign 1855.347+/-0.329 χ^2/NDF: 232986.2/28



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

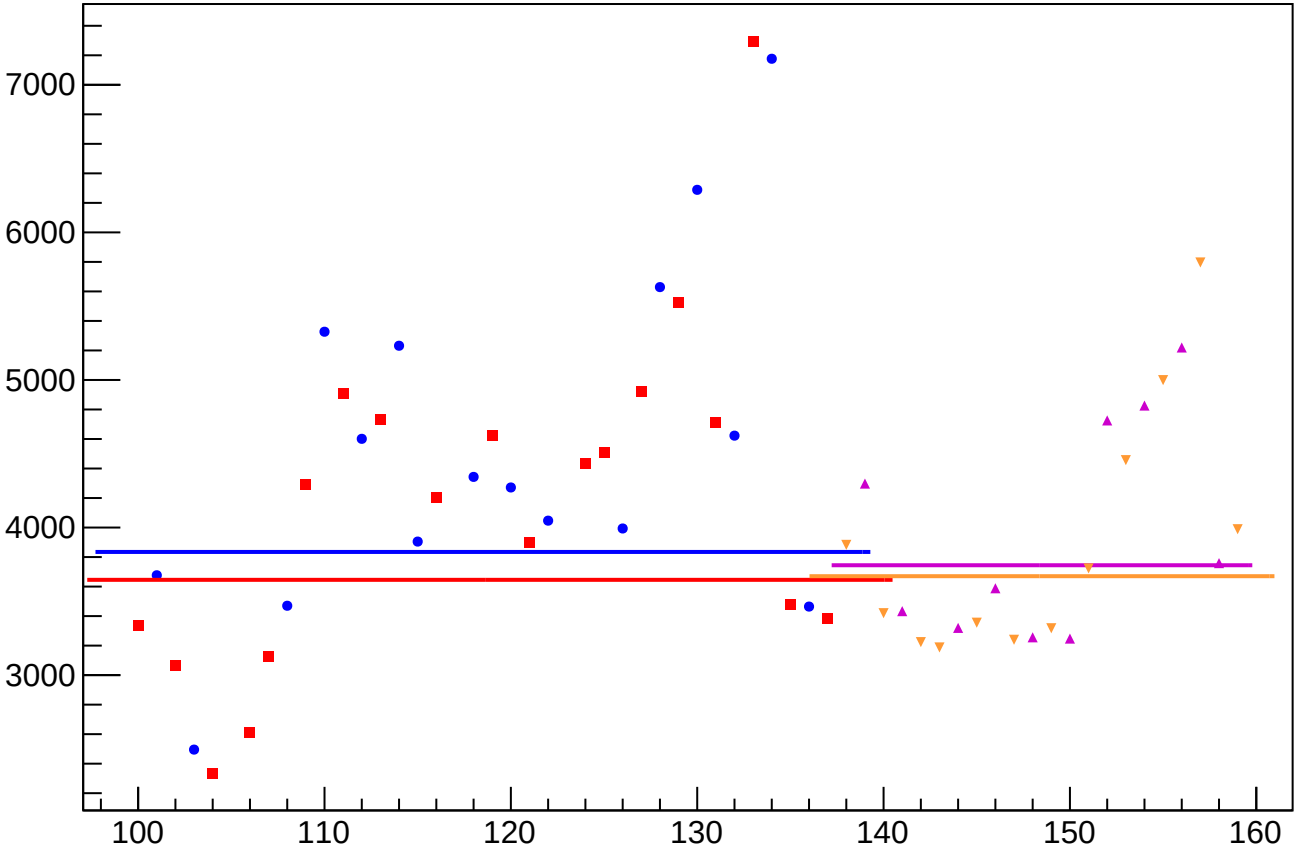
Left In: 599.527+/-1288.004 χ^2/NDF:5.2/9

\+ sign -238.298+/-937.830 χ^2/NDF: 30.5/27

All: -173.367+/-666.562 χ^2/NDF: 52.5/56

\- sign -107.080+/-947.568 χ^2/NDF: 22.0/28

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

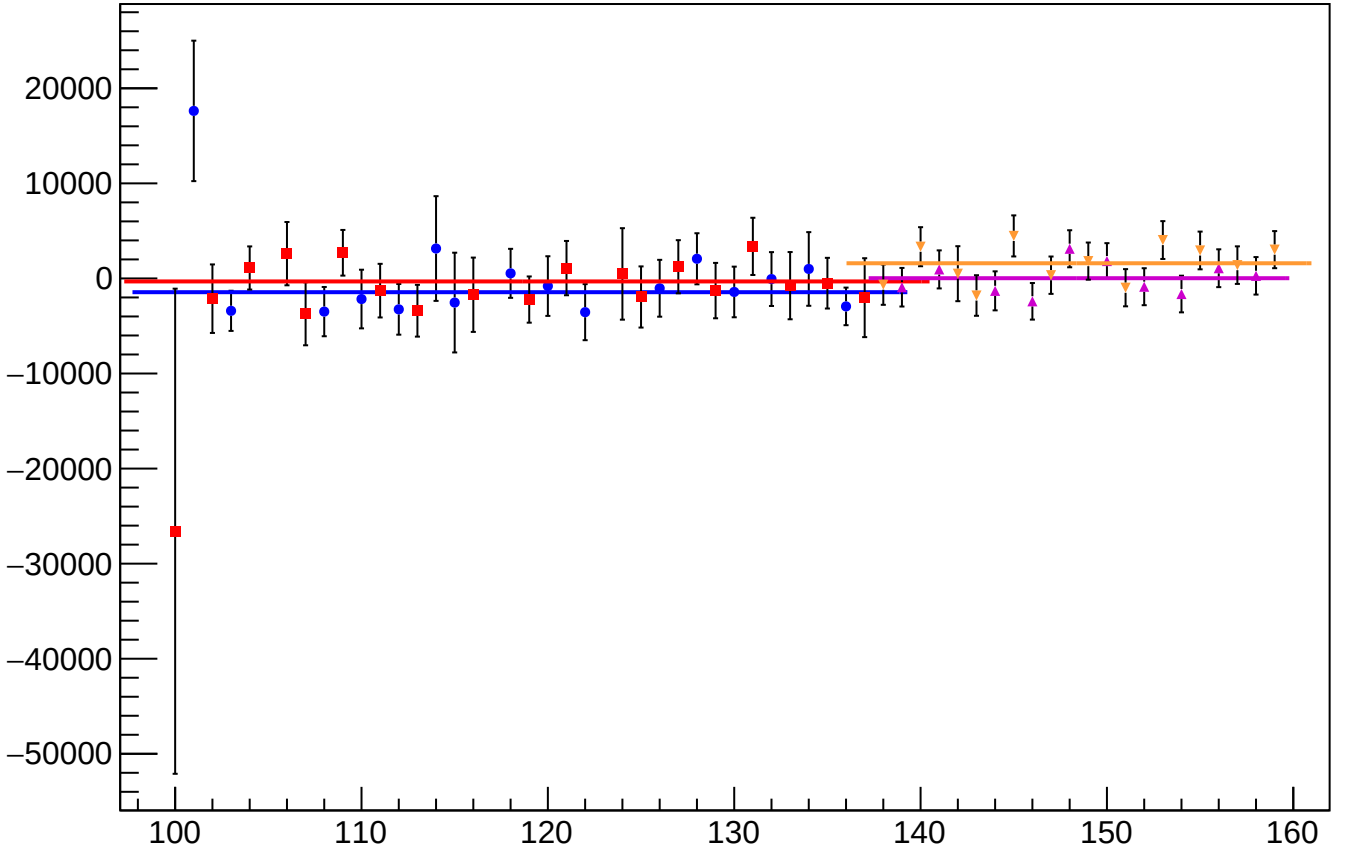
Left In: 3744.556+/-0.911 χ^2/NDF:447225.5/9

+ sign 3736.378+/-0.663 χ^2/NDF: 1496317.9/27

All: 3717.981+/-0.471 χ^2/NDF: 3075486.3/56

- sign 3699.200+/-0.670 χ^2/NDF: 1577613.1/28

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

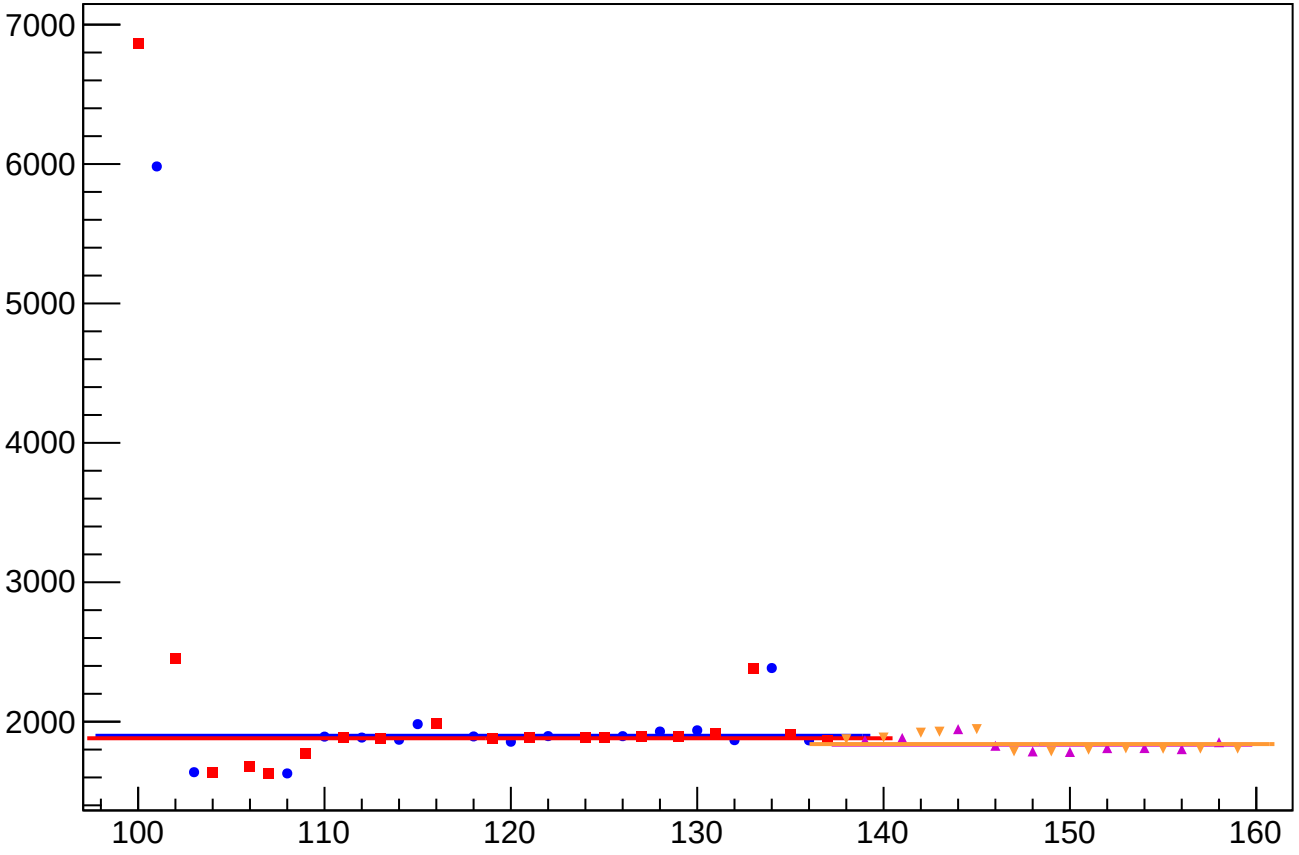
Left In: 24.164+/-621.525 χ^2/NDF:7.1/9

+ sign 366.532+/-459.674 χ^2/NDF: 35.0/27

All: 124.176+/-327.187 χ^2/NDF: 52.7/56

- sign -124.695+/-465.811 χ^2/NDF: 17.2/28

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

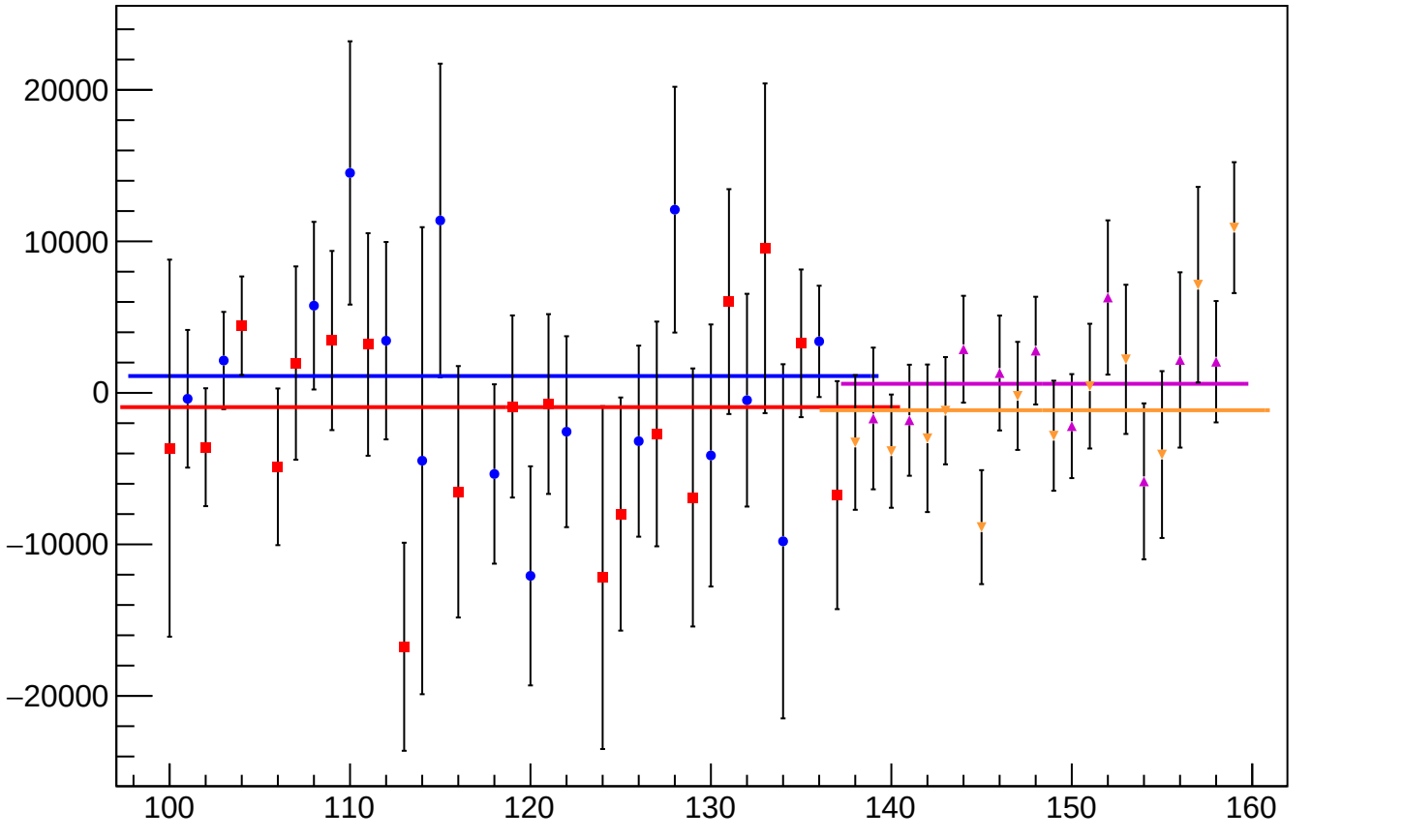
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1835.263+/-0.439 χ^2/NDF:11665.2/9

+ sign 1863.323+/-0.325 χ^2/NDF: 723038.1/27

All: 1859.386+/-0.231 χ^2/NDF: 956321.6/56

- sign 1855.347+/-0.329 χ^2/NDF: 232986.2/28



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

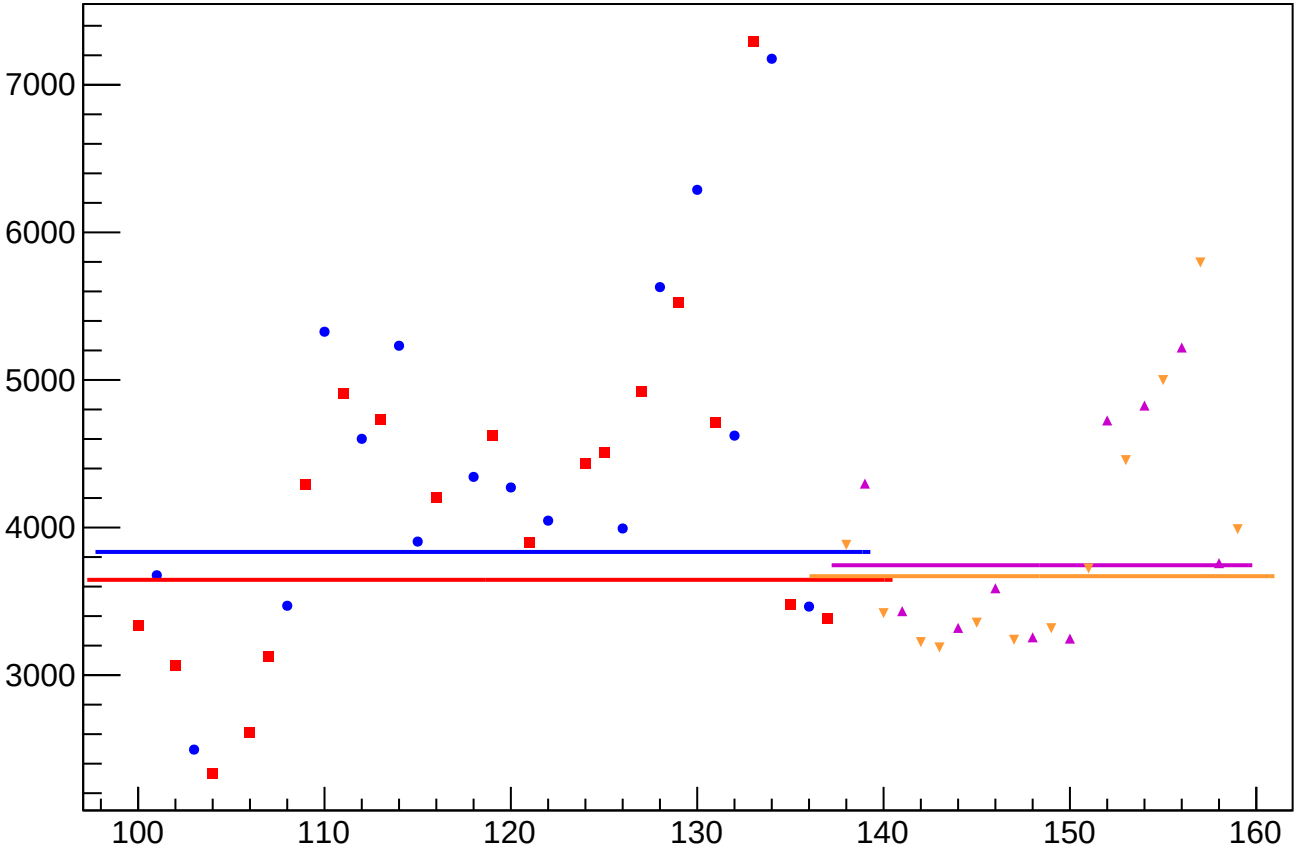
Left In: 599.527+/-1288.004 χ^2/NDF:5.2/9

+ sign -238.298+/-937.830 χ^2/NDF: 30.5/27

All: -173.367+/-666.562 χ^2/NDF: 52.5/56

- sign -107.080+/-947.568 χ^2/NDF: 22.0/28

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

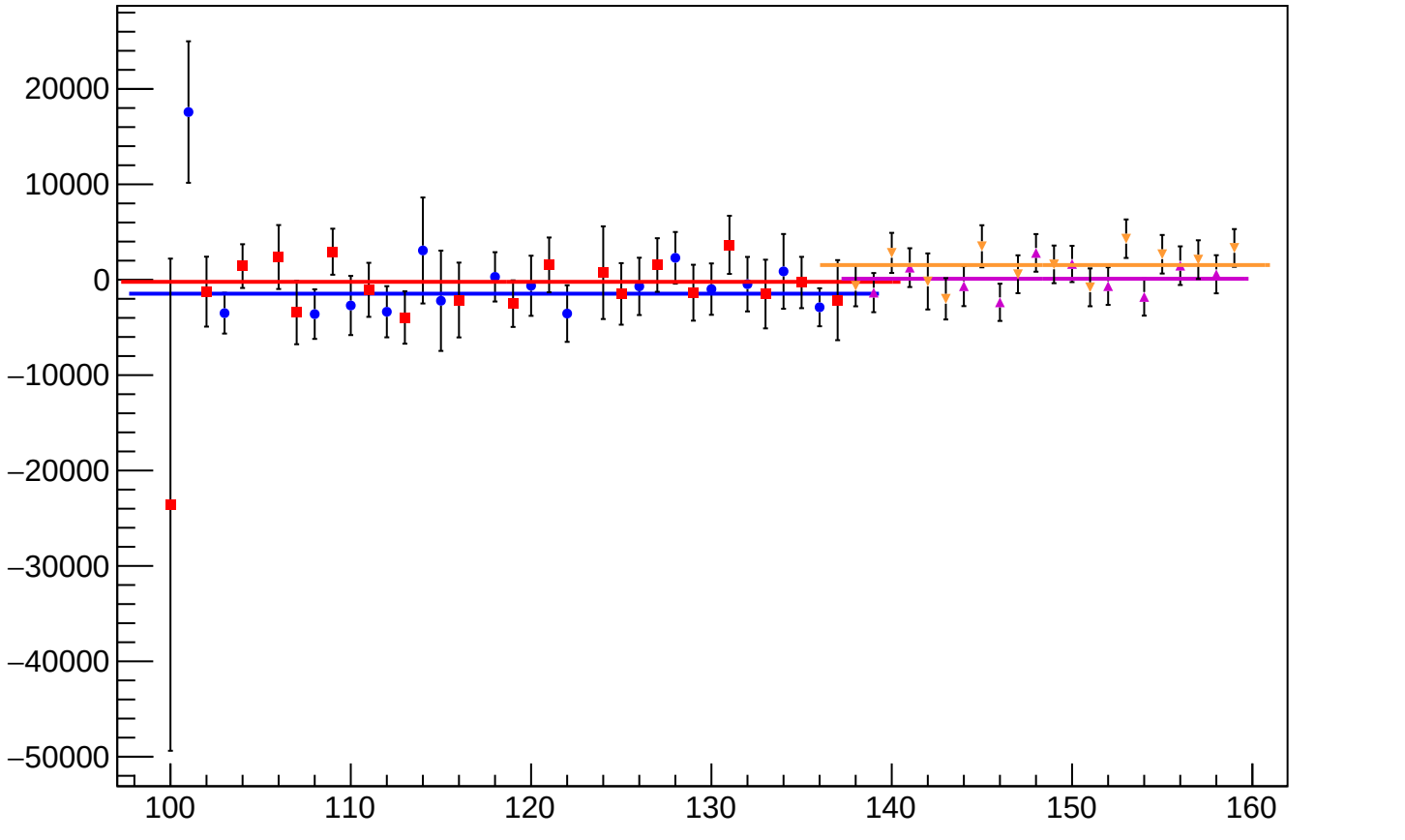
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3744.556+/-0.911 χ^2/NDF:447225.5/9

+ sign 3736.378+/-0.663 χ^2/NDF: 1496317.9/27

All: 3717.981+/-0.471 χ^2/NDF: 3075486.3/56

- sign 3699.200+/-0.670 χ^2/NDF: 1577613.1/28



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

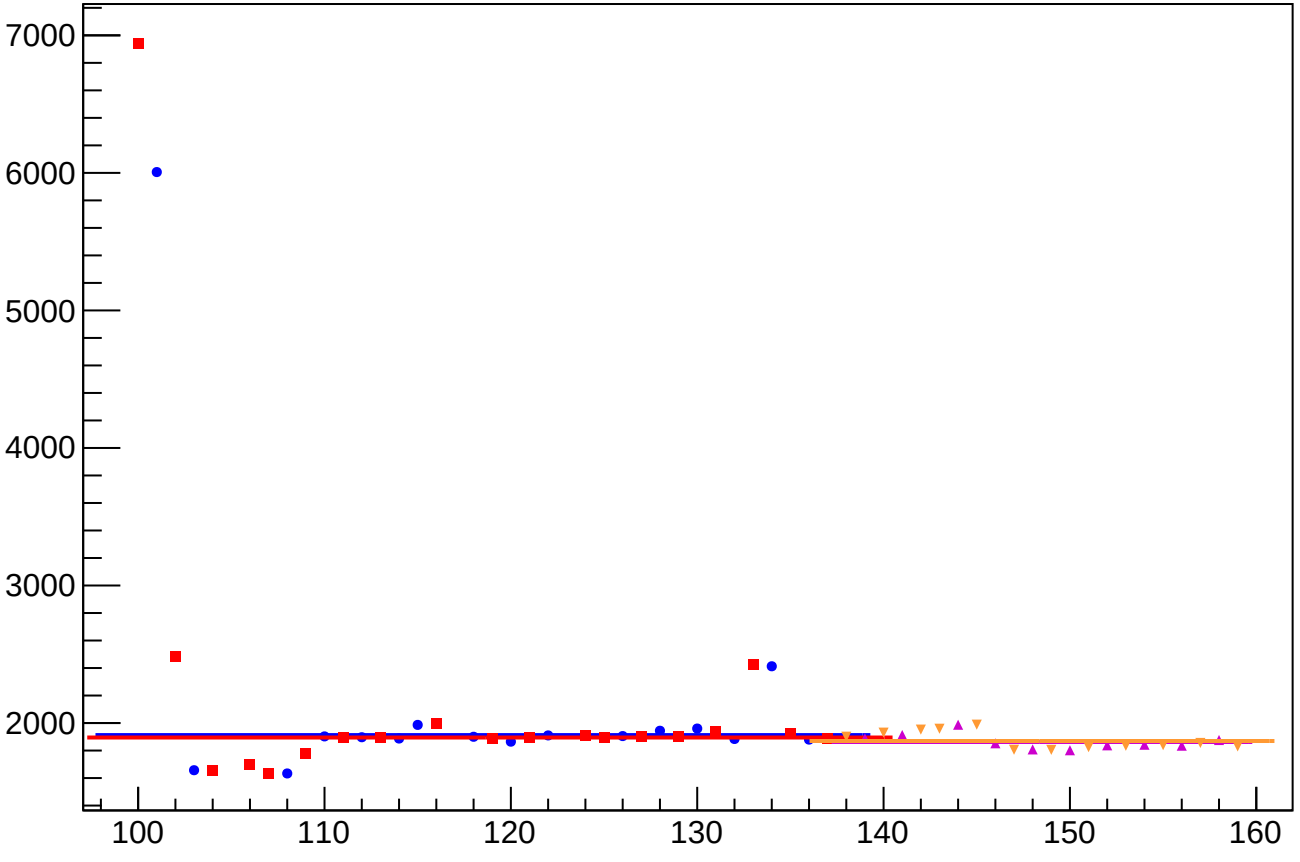
Left In: 101.248+/-630.691 χ^2/NDF:6.7/9

+ sign 313.617+/-465.488 χ^2/NDF: 33.5/27

All: 138.676+/-331.146 χ^2/NDF: 51.5/56

- sign -40.574+/-471.186 χ^2/NDF: 17.6/28

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

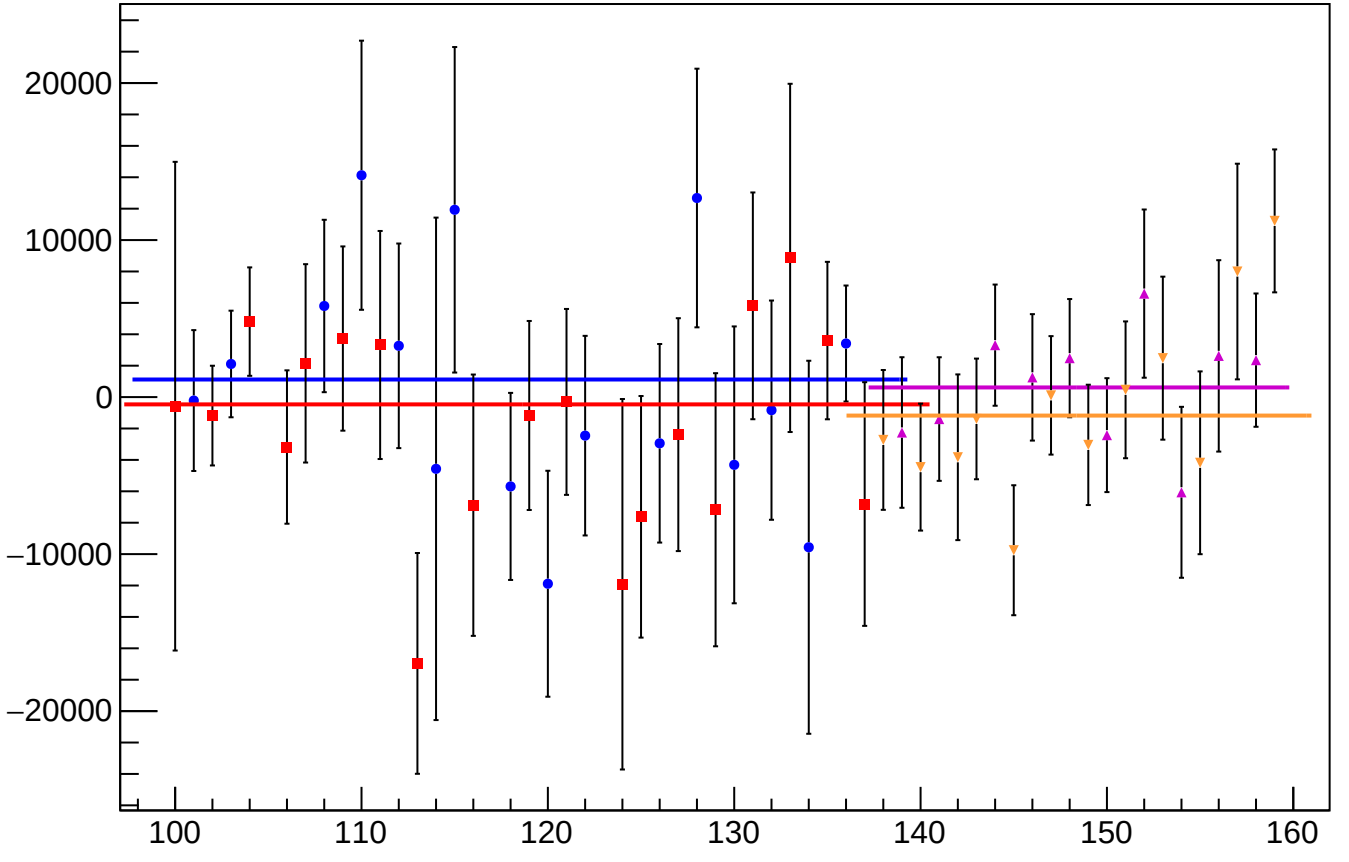
Left In: 1862.227+/-0.446 χ^2/NDF:13255.3/9

+ sign 1886.941+/-0.329 χ^2/NDF: 720332.1/27

All: 1881.841+/-0.234 χ^2/NDF: 956209.5/56

- sign 1876.621+/-0.333 χ^2/NDF: 235391.6/28

asym_atr_dd_dit_correction_mean vs Slug



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

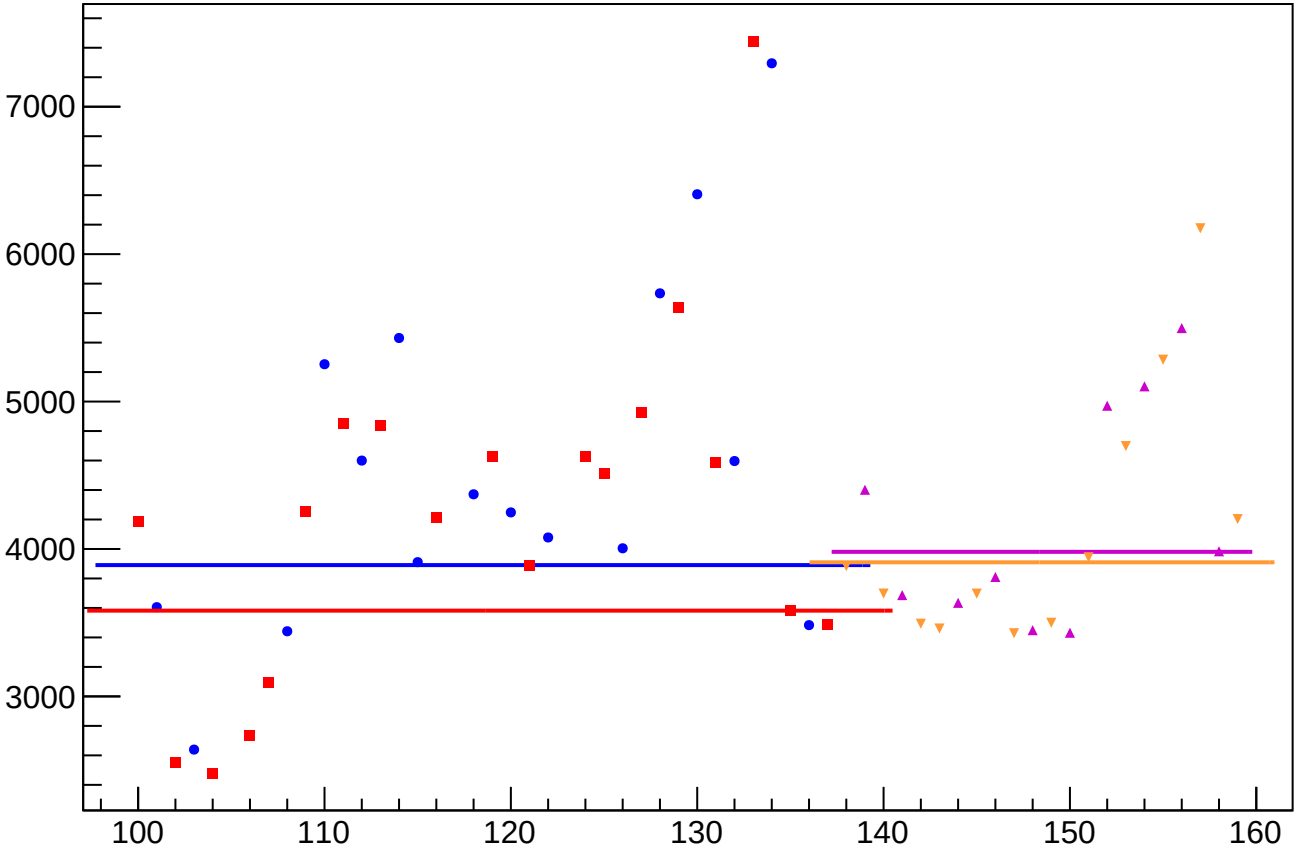
Left In: 614.317+/-1367.807 χ^2/NDF:5.1/9

+ sign -198.577+/-977.480 χ^2/NDF: 30.6/27

All: -59.905+/-687.896 χ^2/NDF: 51.1/56

- sign 76.161+/-968.248 χ^2/NDF: 20.4/28

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

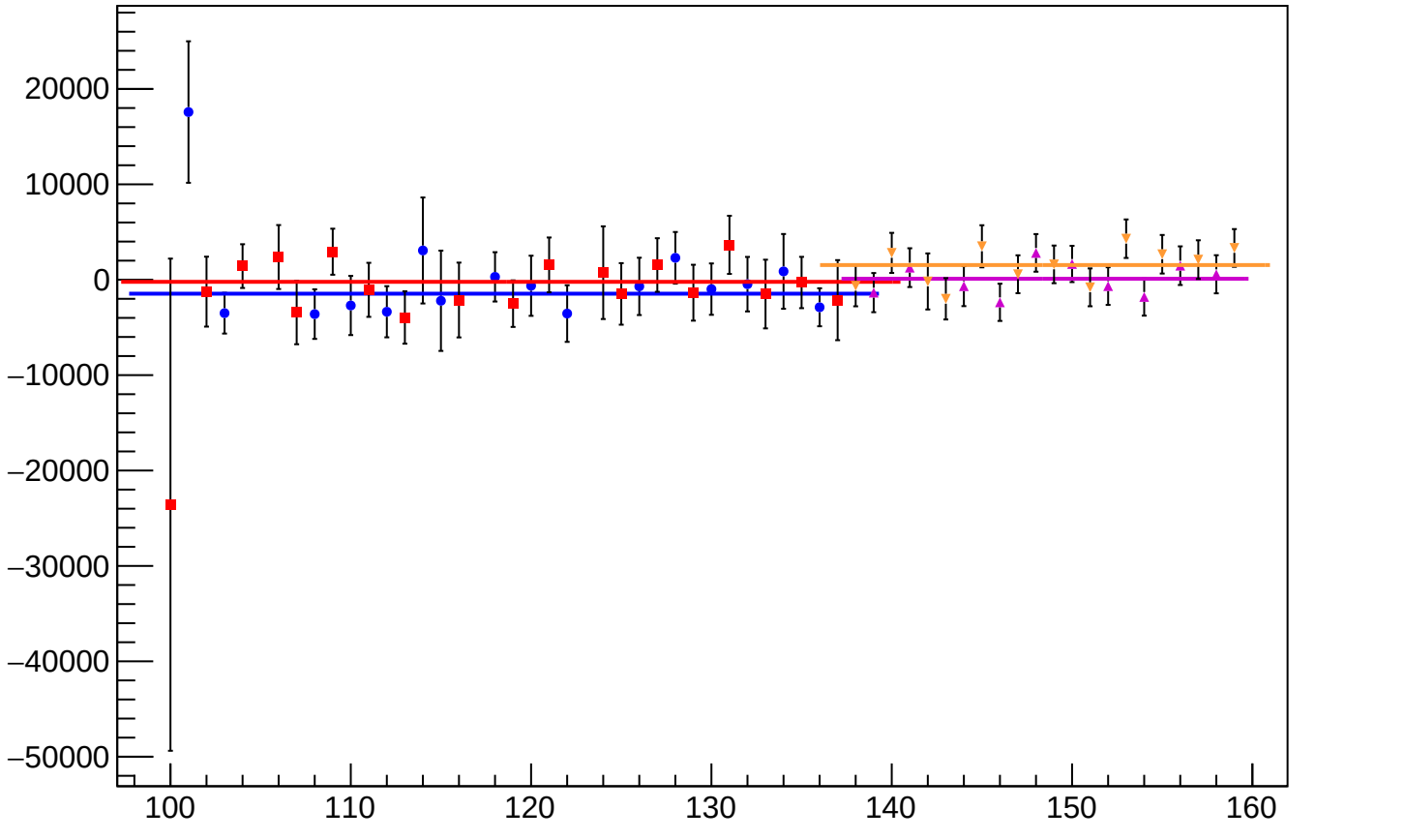
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3980.607+/-0.967 χ^2/NDF:409405.7/9

+ sign 3901.558+/-0.691 χ^2/NDF: 1368438.5/27

All: 3841.026+/-0.486 χ^2/NDF: 3099727.5/56

- sign 3781.632+/-0.685 χ^2/NDF: 1716093.6/28



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

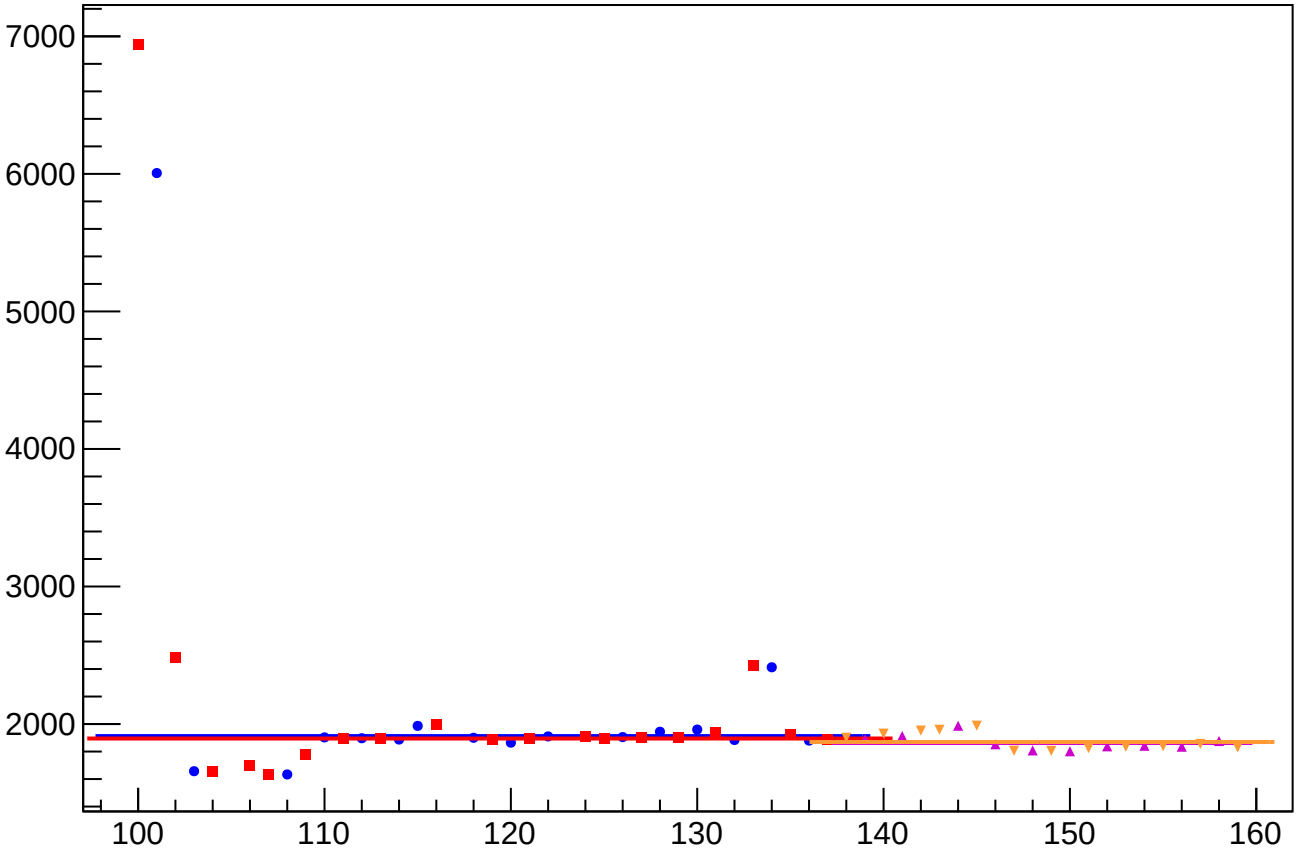
Left In: 101.246+/-630.691 χ^2/NDF:6.7/9

+ sign 313.619+/-465.488 χ^2/NDF: 33.5/27

All: 138.678+/-331.146 χ^2/NDF: 51.5/56

- sign -40.573+/-471.186 χ^2/NDF: 17.6/28

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

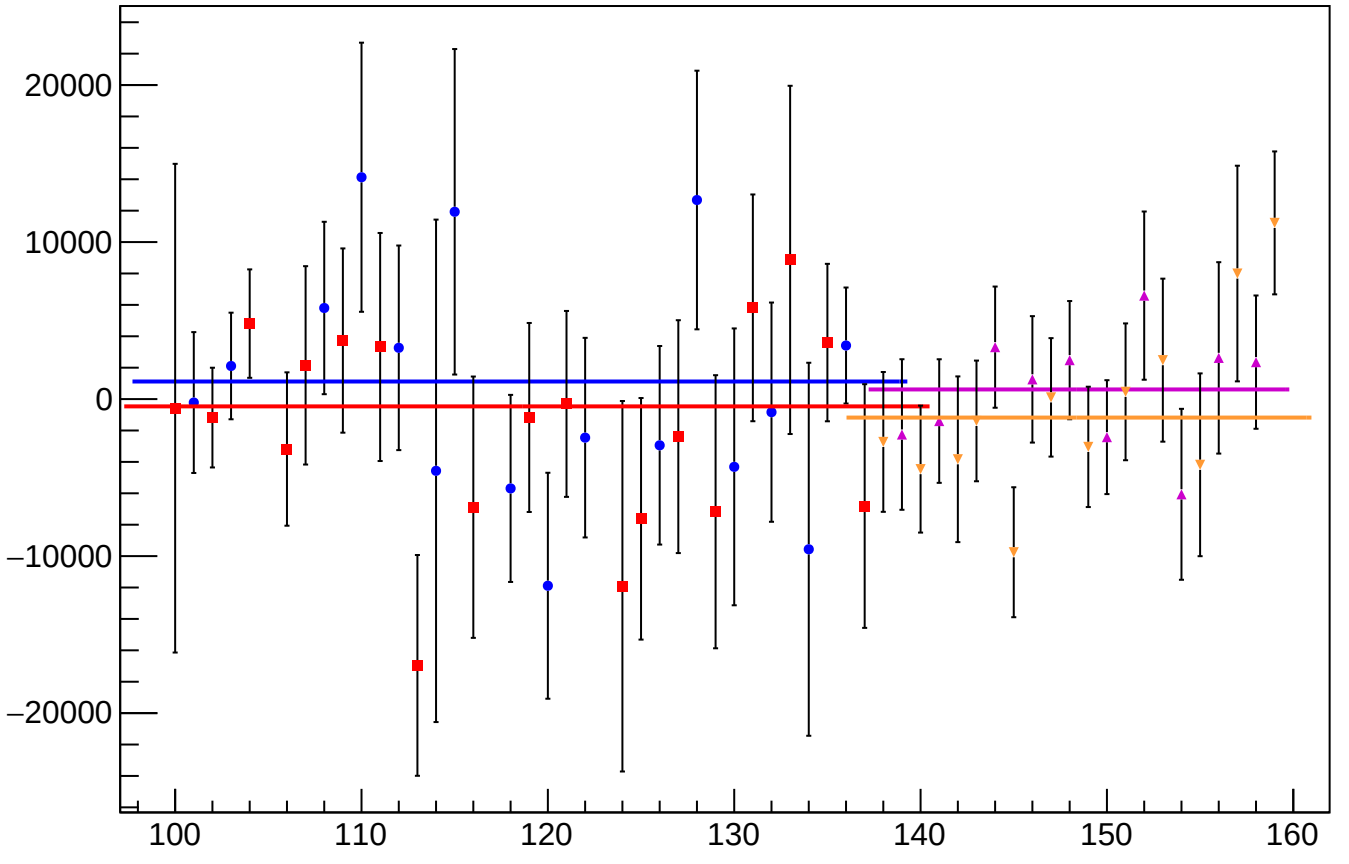
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1862.228+/-0.446 χ^2/NDF:13255.2/9

+ sign 1886.941+/-0.329 χ^2/NDF: 720331.9/27

All: 1881.842+/-0.234 χ^2/NDF: 956209.1/56

- sign 1876.621+/-0.333 χ^2/NDF: 235391.4/28



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

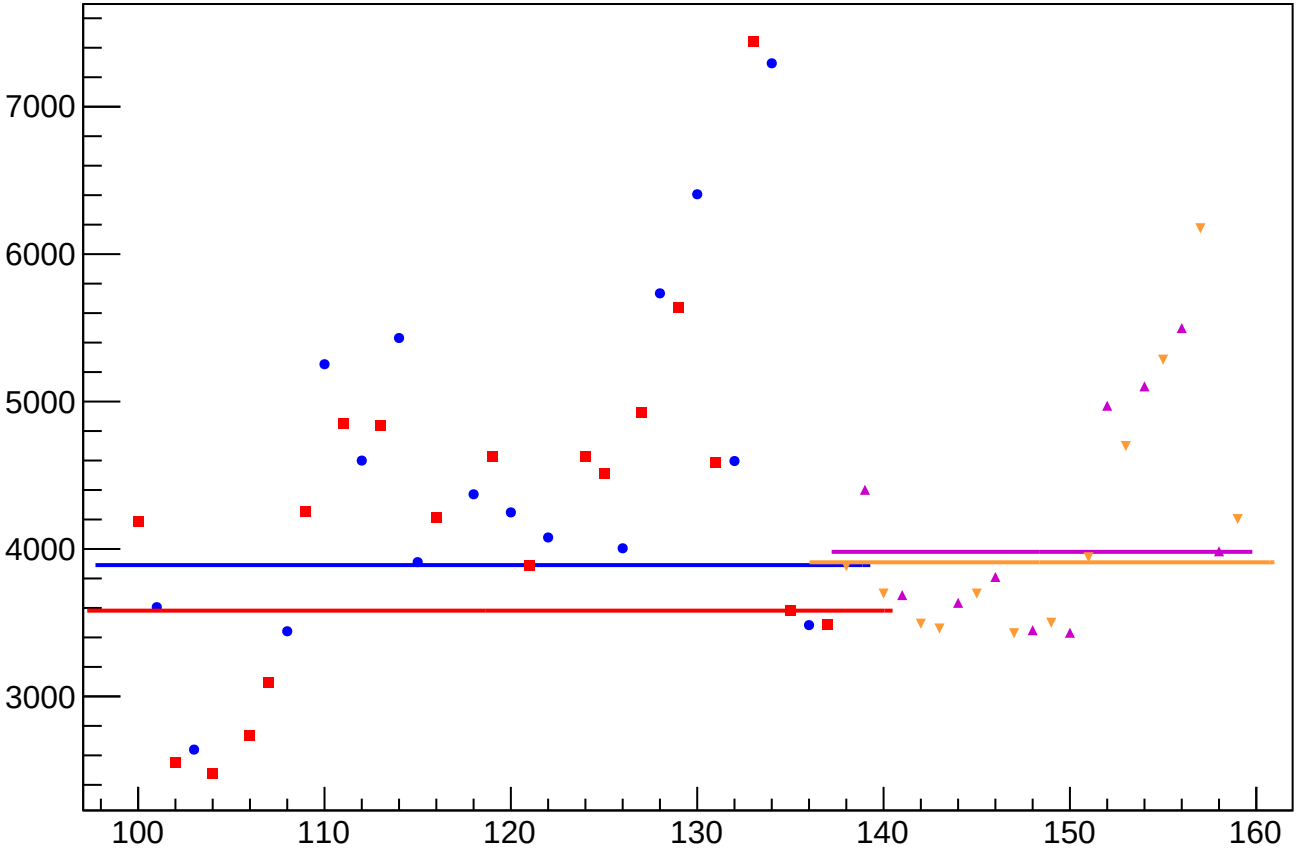
Left In: 614.315+/-1367.808 χ^2/NDF:5.1/9

+ sign -198.579+/-977.480 χ^2/NDF: 30.6/27

All: -59.907+/-687.896 χ^2/NDF: 51.1/56

- sign 76.159+/-968.248 χ^2/NDF: 20.4/28

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

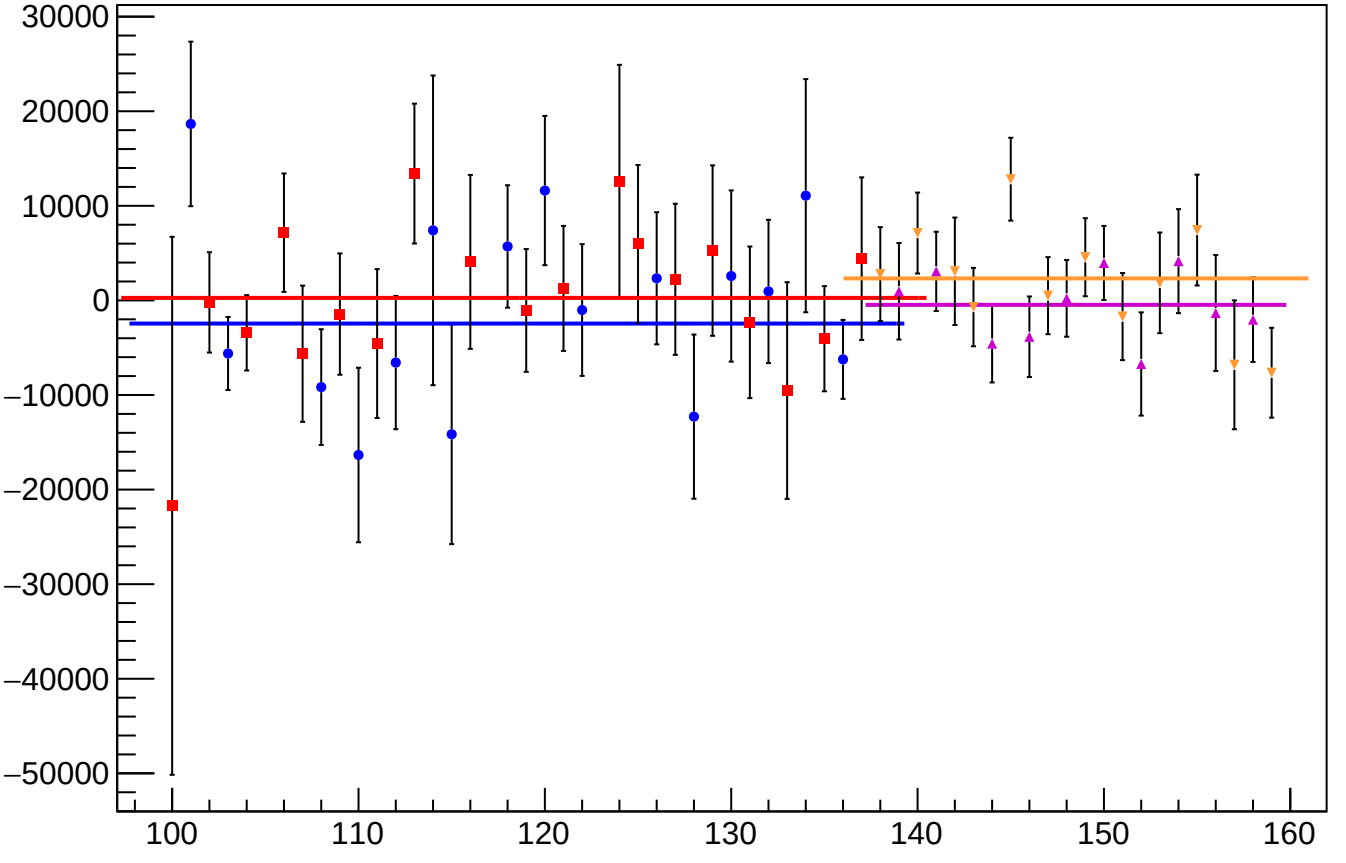
Left In: 3980.612+/-0.967 χ^2/NDF:409404.4/9

+ sign 3901.560+/-0.691 χ^2/NDF: 1368428.5/27

All: 3841.027+/-0.486 χ^2/NDF: 3099711.3/56

- sign 3781.633+/-0.685 χ^2/NDF: 1716087.1/28

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

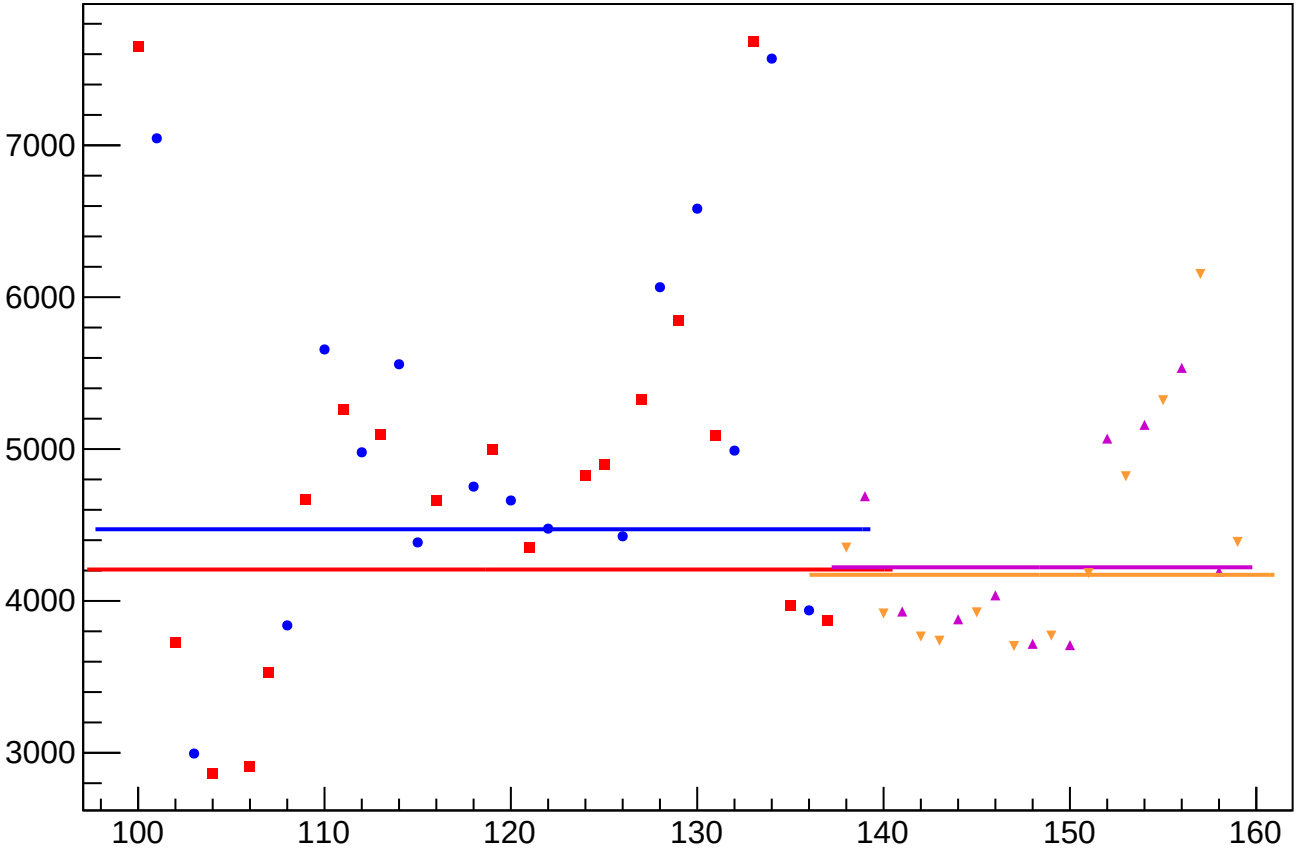
Left In: -471.801+/-1444.612 χ^2/NDF:5.9/9

+ sign 471.955+/-1071.302 χ^2/NDF: 41.4/27

All: 165.366+/-760.214 χ^2/NDF: 58.2/56

- sign -145.615+/-1078.949 χ^2/NDF: 16.7/28

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4172.023+/-0.968 χ^2/NDF:373344.1/11

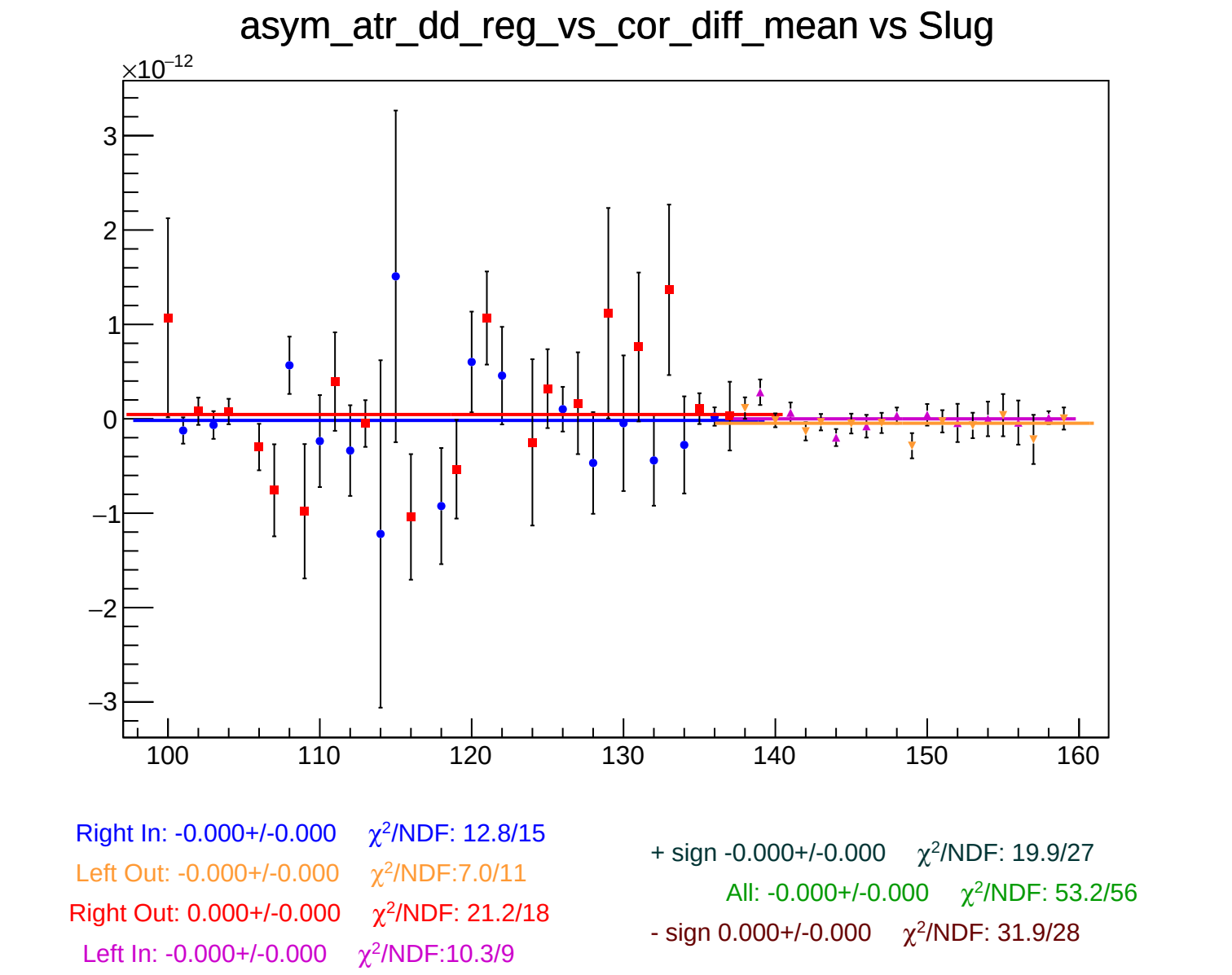
Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

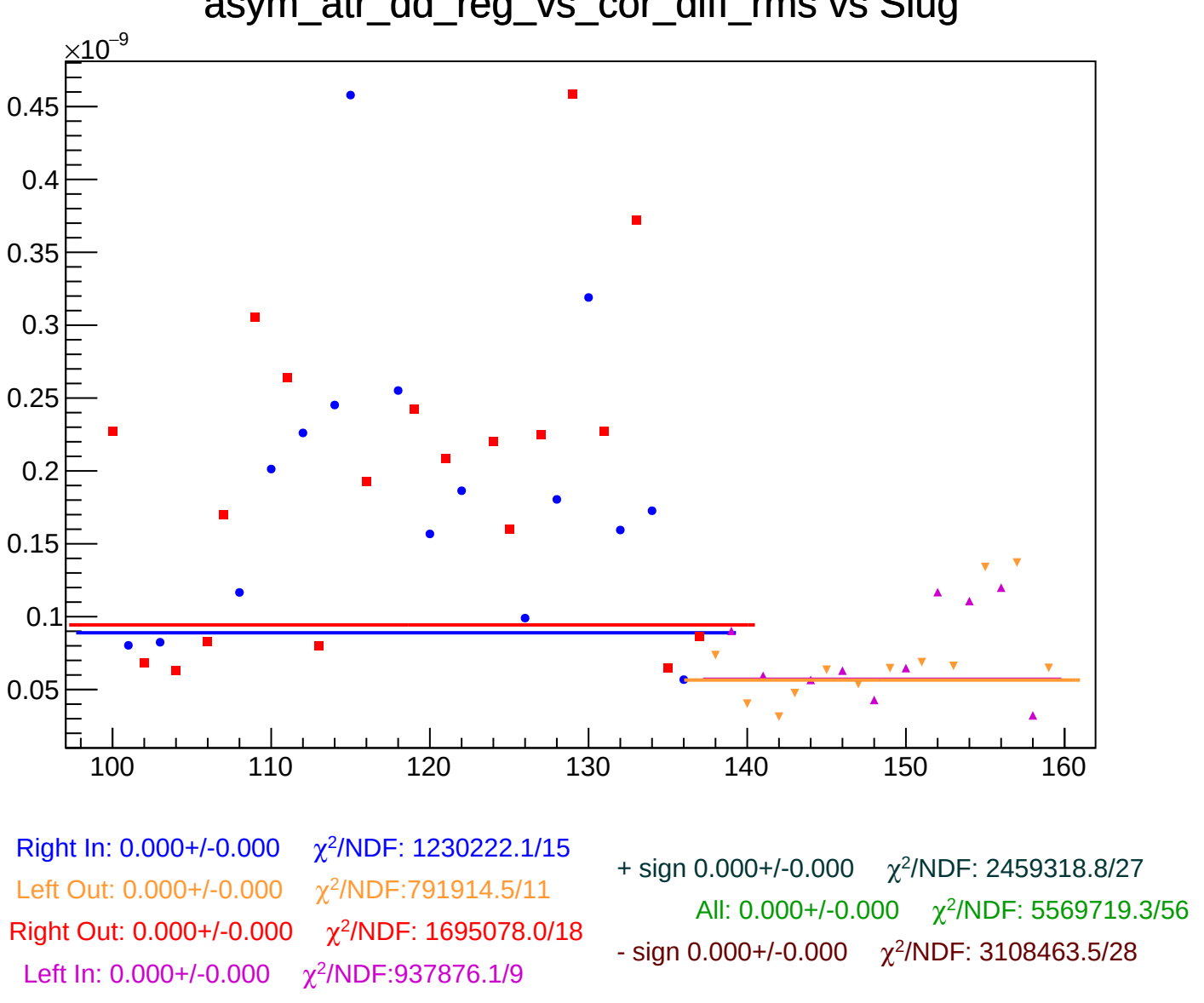
Left In: 4221.505+/-1.021 χ^2/NDF:307503.1/9

+ sign 4288.401+/-0.758 χ^2/NDF: 1302237.7/27

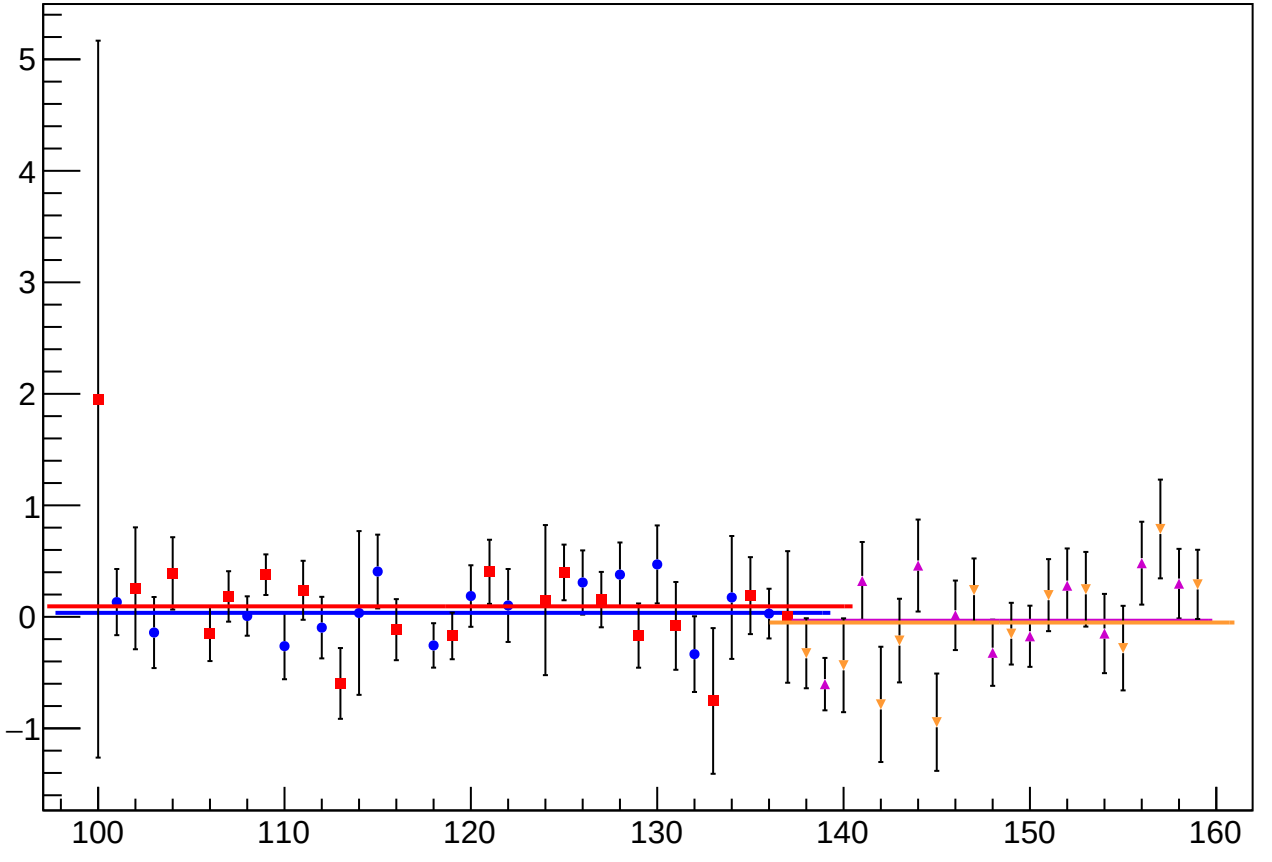
All: 4251.824+/-0.537 χ^2/NDF: 2461036.4/56

- sign 4214.991+/-0.760 χ^2/NDF: 1154119.4/28


asym_atr_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
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:7.0/11
Right Out: 0.000+/-0.000 χ²/NDF: 21.2/18
Left In: -0.000+/-0.000 χ²/NDF:10.3/9
+ sign -0.000+/-0.000 χ²/NDF: 19.9/27
All: -0.000+/-0.000 χ²/NDF: 53.2/56
- sign 0.000+/-0.000 χ²/NDF: 31.9/28


asym_atr_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:791914.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:937876.1/9
+ sign 0.000+/-0.000 χ²/NDF: 2459318.8/27
All: 0.000+/-0.000 χ²/NDF: 5569719.3/56
- sign 0.000+/-0.000 χ²/NDF: 3108463.5/28

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

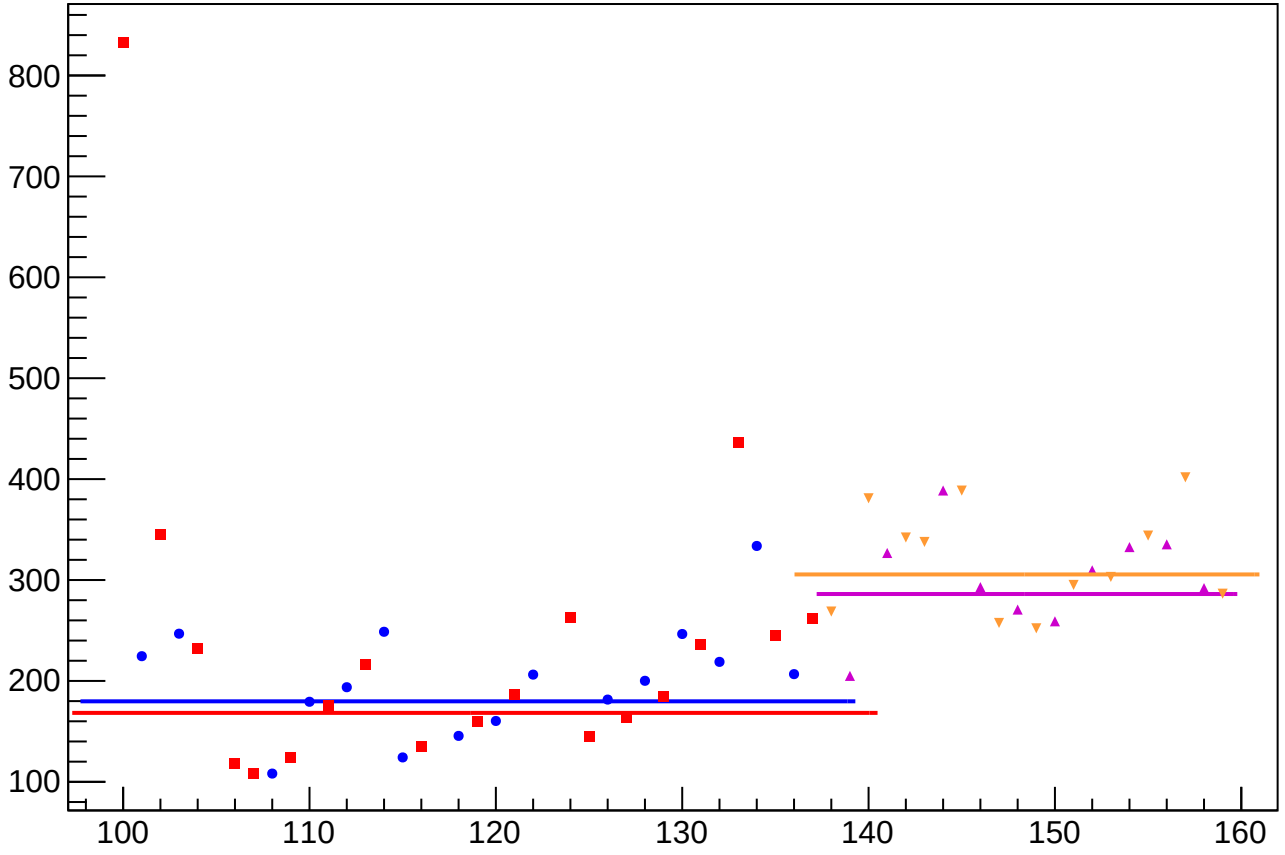
Left In: -0.035+/-0.099 χ^2/NDF:13.6/9

+ sign 0.007+/-0.058 χ^2/NDF: 26.7/27

All: 0.031+/-0.040 χ^2/NDF: 59.5/56

- sign 0.053+/-0.056 χ^2/NDF: 32.4/28

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

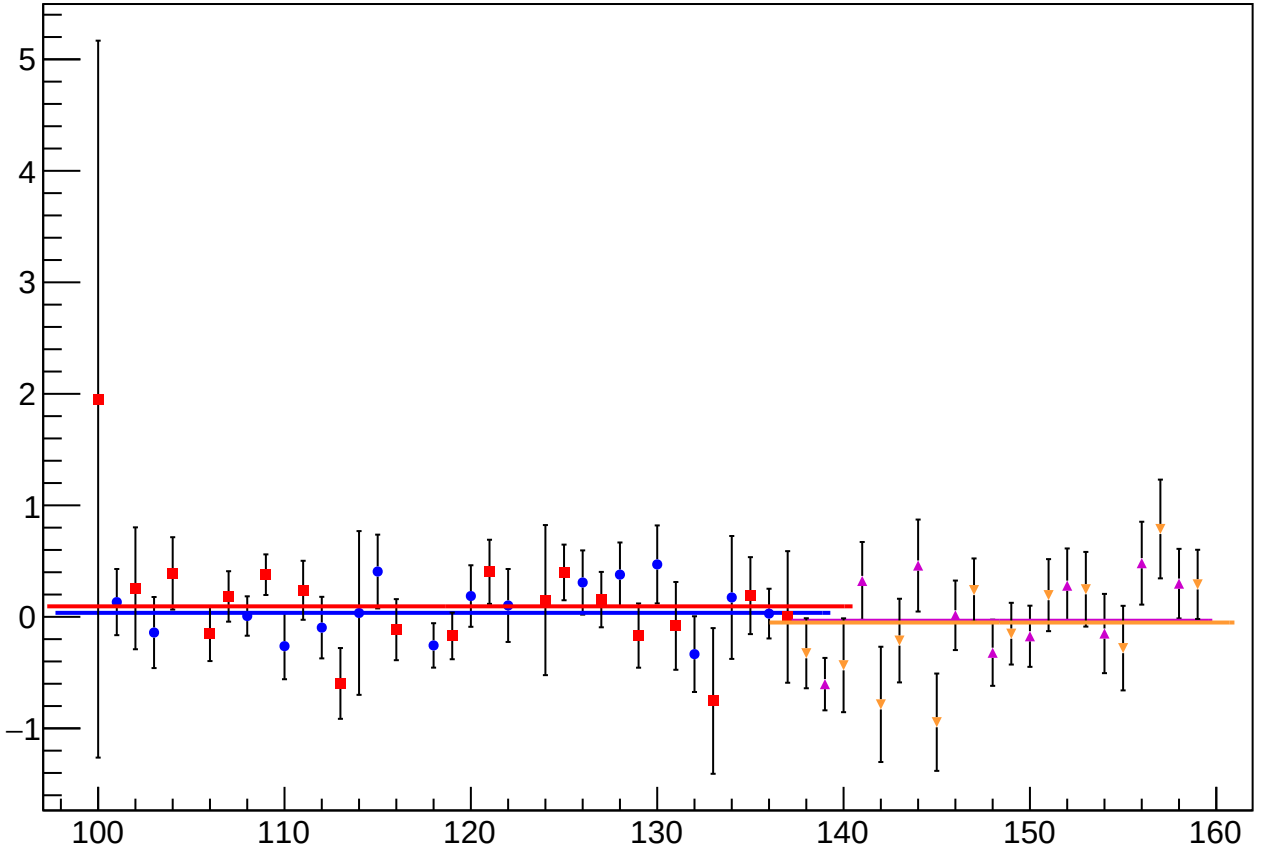
Left In: 286.134+/-0.070 χ^2/NDF:494784.4/9

+ sign 221.128+/-0.041 χ^2/NDF: 3450849.4/27

All: 213.146+/-0.028 χ^2/NDF: 7352600.0/56

- sign 205.689+/-0.040 χ^2/NDF: 3828042.0/28

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

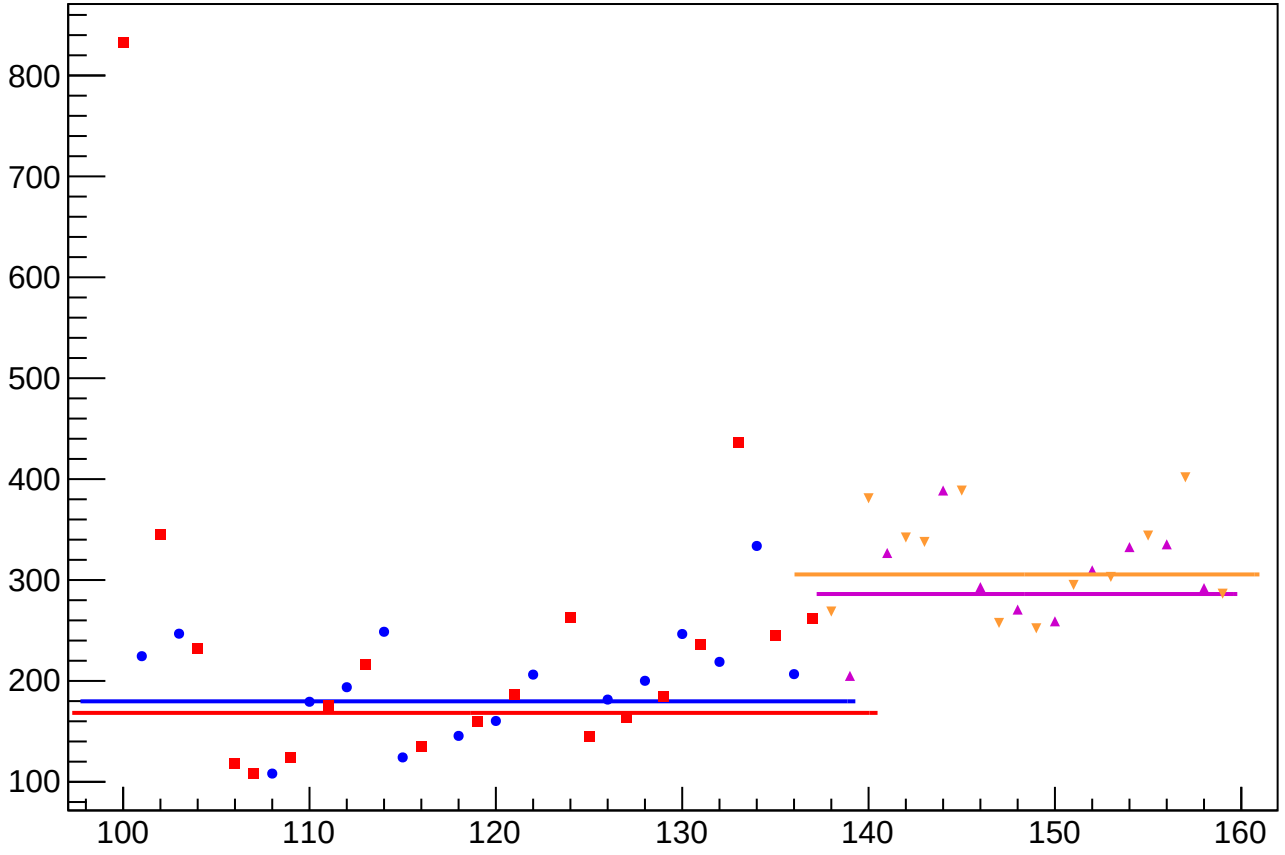
Left In: -0.035+/-0.099 χ^2/NDF:13.6/9

+ sign 0.007+/-0.058 χ^2/NDF: 26.7/27

All: 0.031+/-0.040 χ^2/NDF: 59.5/56

- sign 0.053+/-0.056 χ^2/NDF: 32.4/28

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

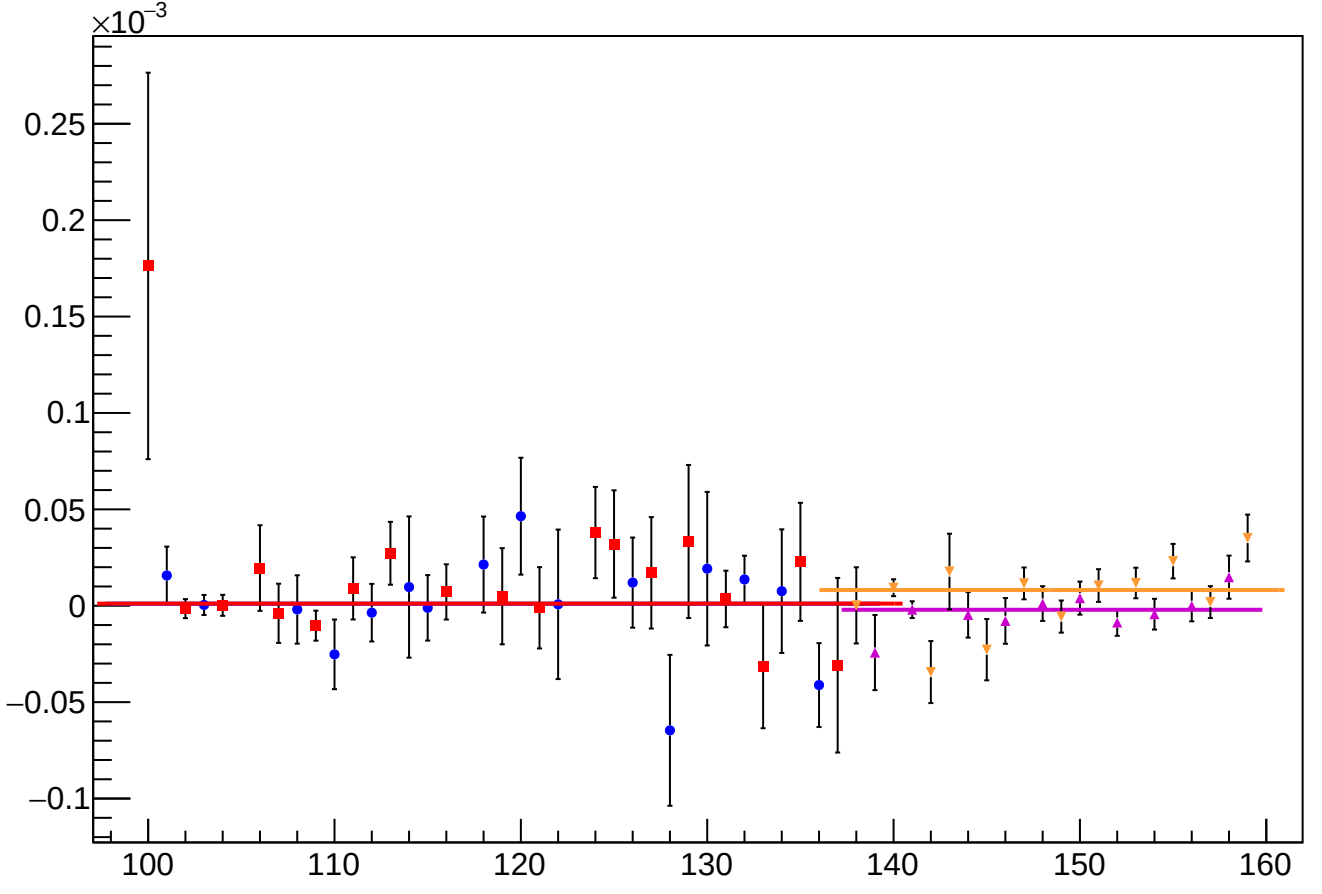
Left In: 286.134+/-0.070 χ^2/NDF:494784.4/9

+ sign 221.128+/-0.041 χ^2/NDF: 3450849.4/27

All: 213.146+/-0.028 χ^2/NDF: 7352600.0/56

- sign 205.689+/-0.040 χ^2/NDF: 3828042.0/28

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

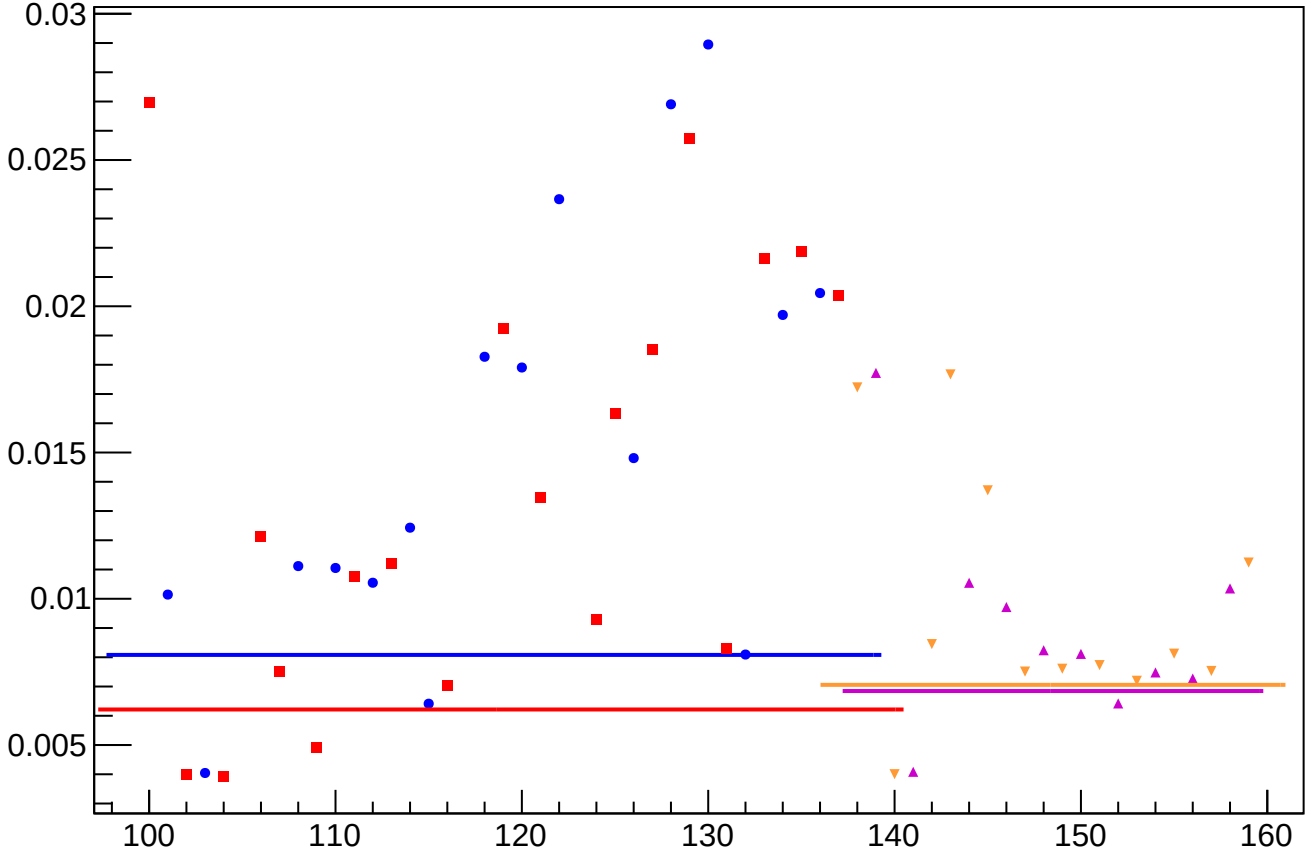
Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 39.6/27

All: 0.000+/-0.000 χ^2/NDF: 67.3/56

- sign -0.000+/-0.000 χ^2/NDF: 22.3/28

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

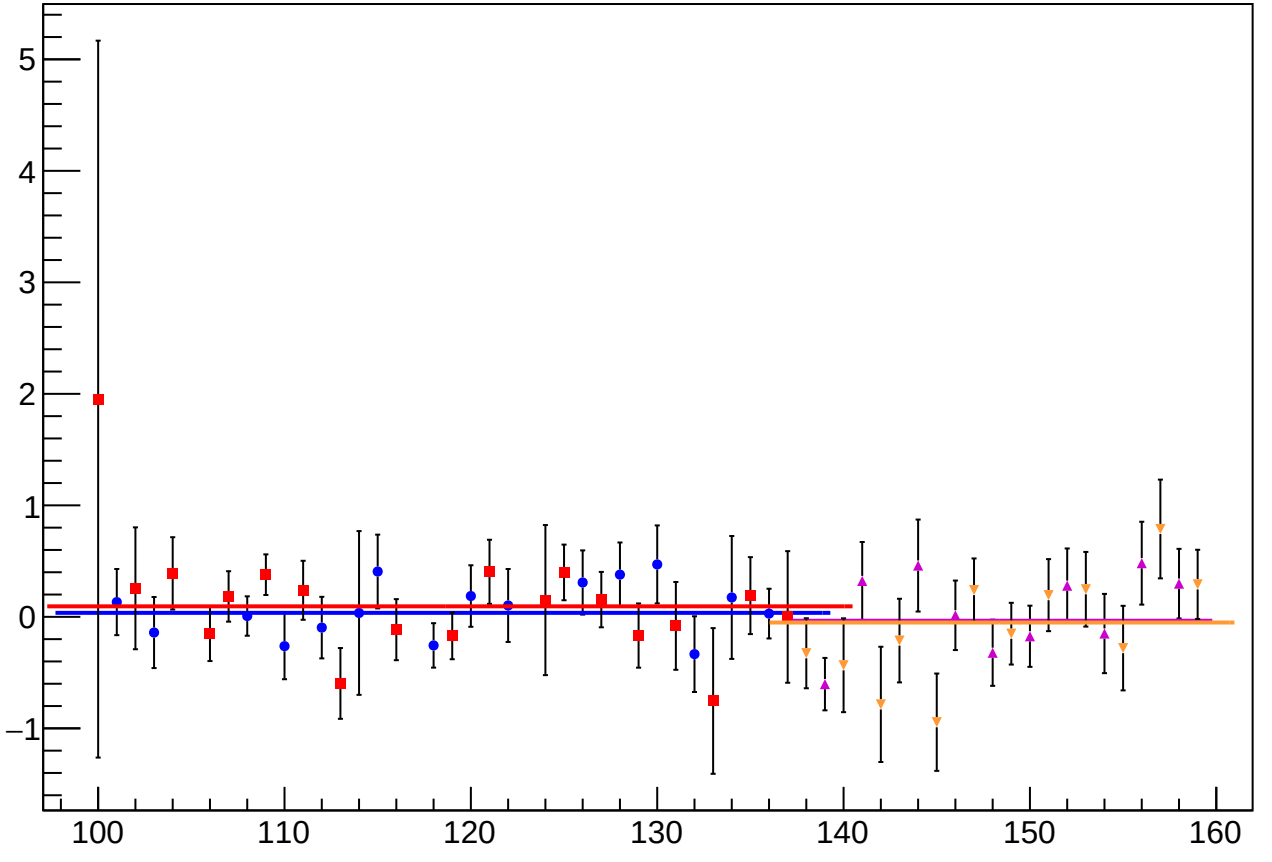
Left In: 0.007+/-0.000 χ^2/NDF:2057374.1/9

+ sign 0.007+/-0.000 χ^2/NDF: 7276399.3/27

All: 0.007+/-0.000 χ^2/NDF: 14118920.9/56

- sign 0.007+/-0.000 χ^2/NDF: 6673884.3/28

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

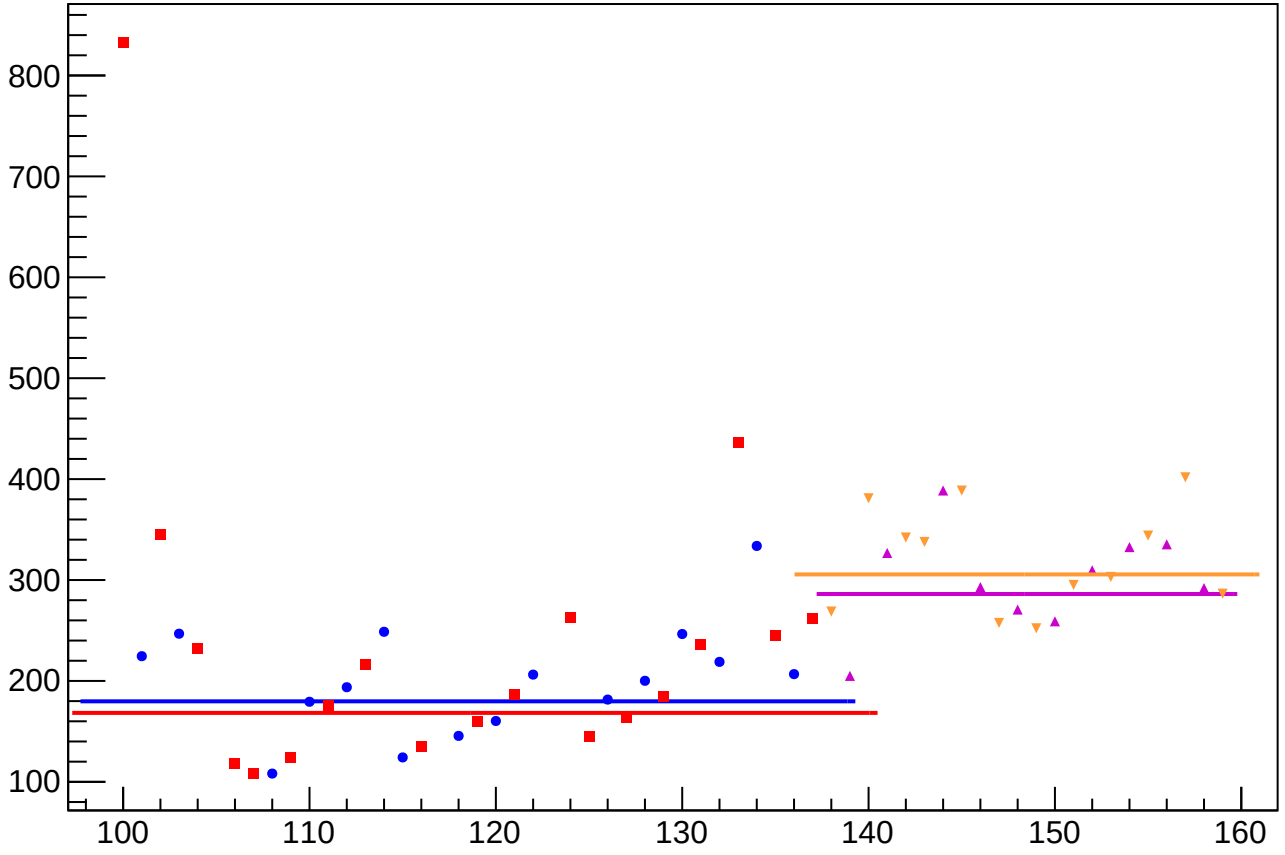
Left In: -0.035+/-0.099 χ^2/NDF:13.6/9

+ sign 0.007+/-0.058 χ^2/NDF: 26.7/27

All: 0.031+/-0.040 χ^2/NDF: 59.5/56

- sign 0.053+/-0.056 χ^2/NDF: 32.4/28

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

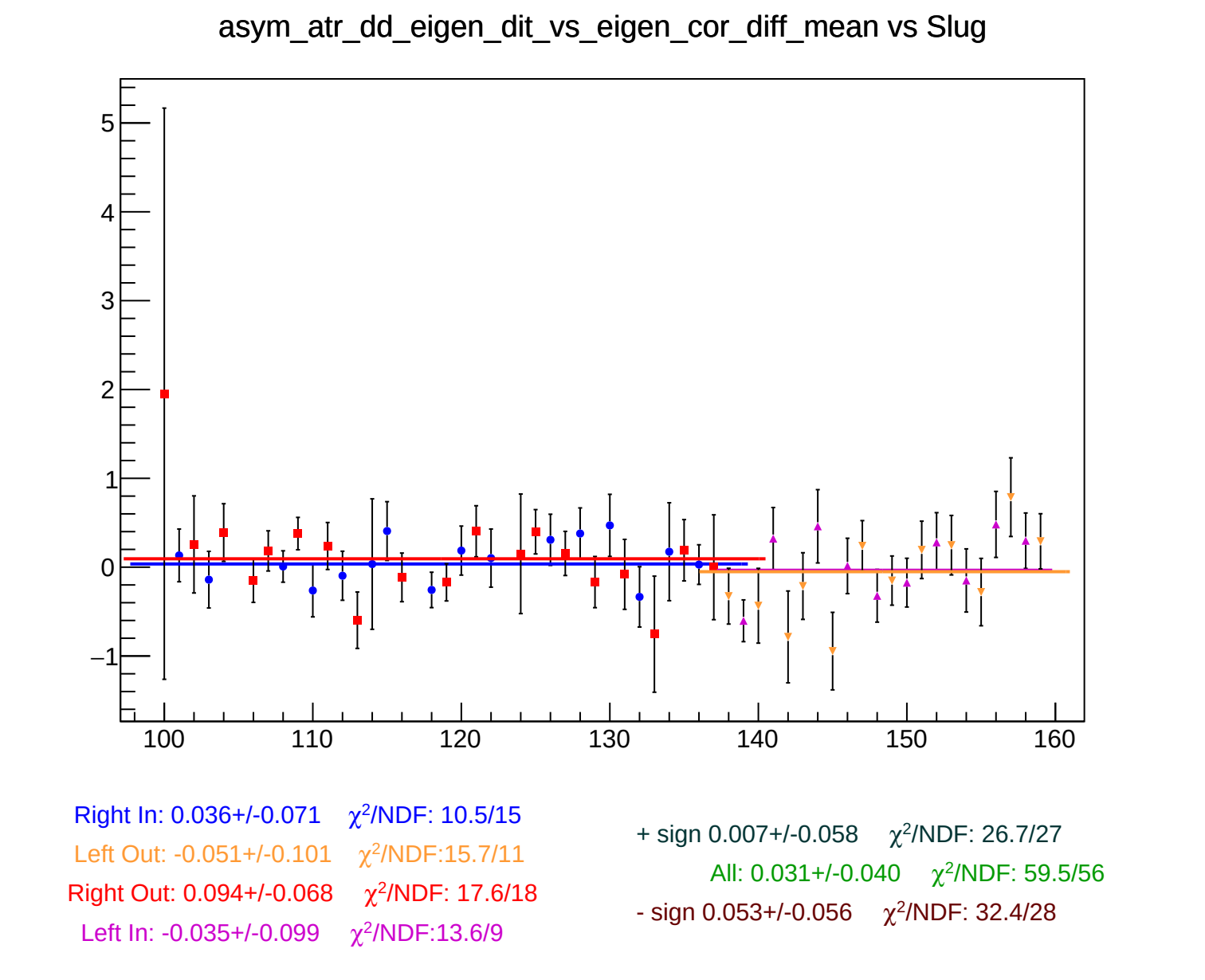
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

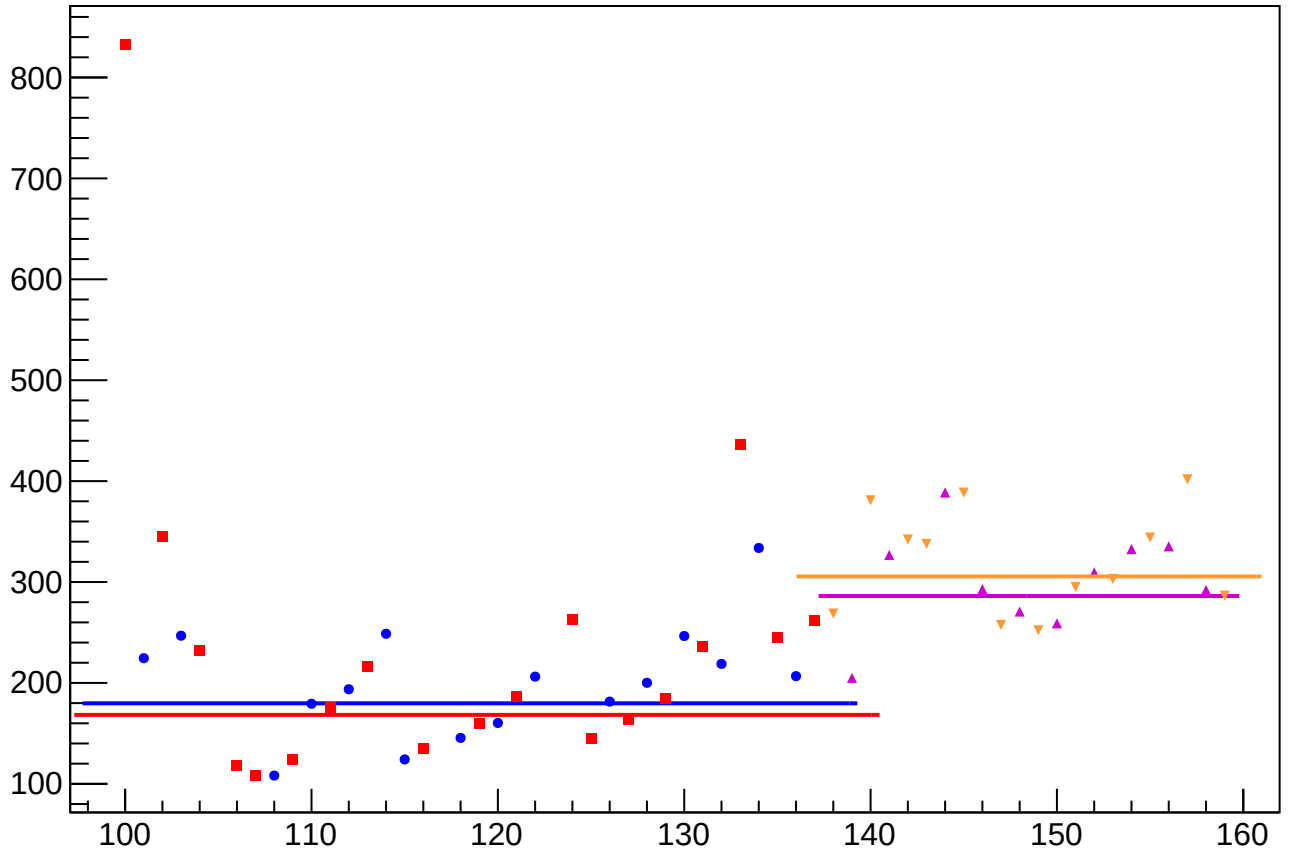
Left In: 286.138+/-0.070 χ^2/NDF:494752.6/9

+ sign 221.127+/-0.041 χ^2/NDF: 3451078.5/27

All: 213.145+/-0.028 χ^2/NDF: 7352876.4/56

- sign 205.690+/-0.040 χ^2/NDF: 3828110.1/28


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.051+/-0.101 χ²/NDF:15.7/11
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.035+/-0.099 χ²/NDF:13.6/9
+ sign 0.007+/-0.058 χ²/NDF: 26.7/27
All: 0.031+/-0.040 χ²/NDF: 59.5/56
- sign 0.053+/-0.056 χ²/NDF: 32.4/28



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

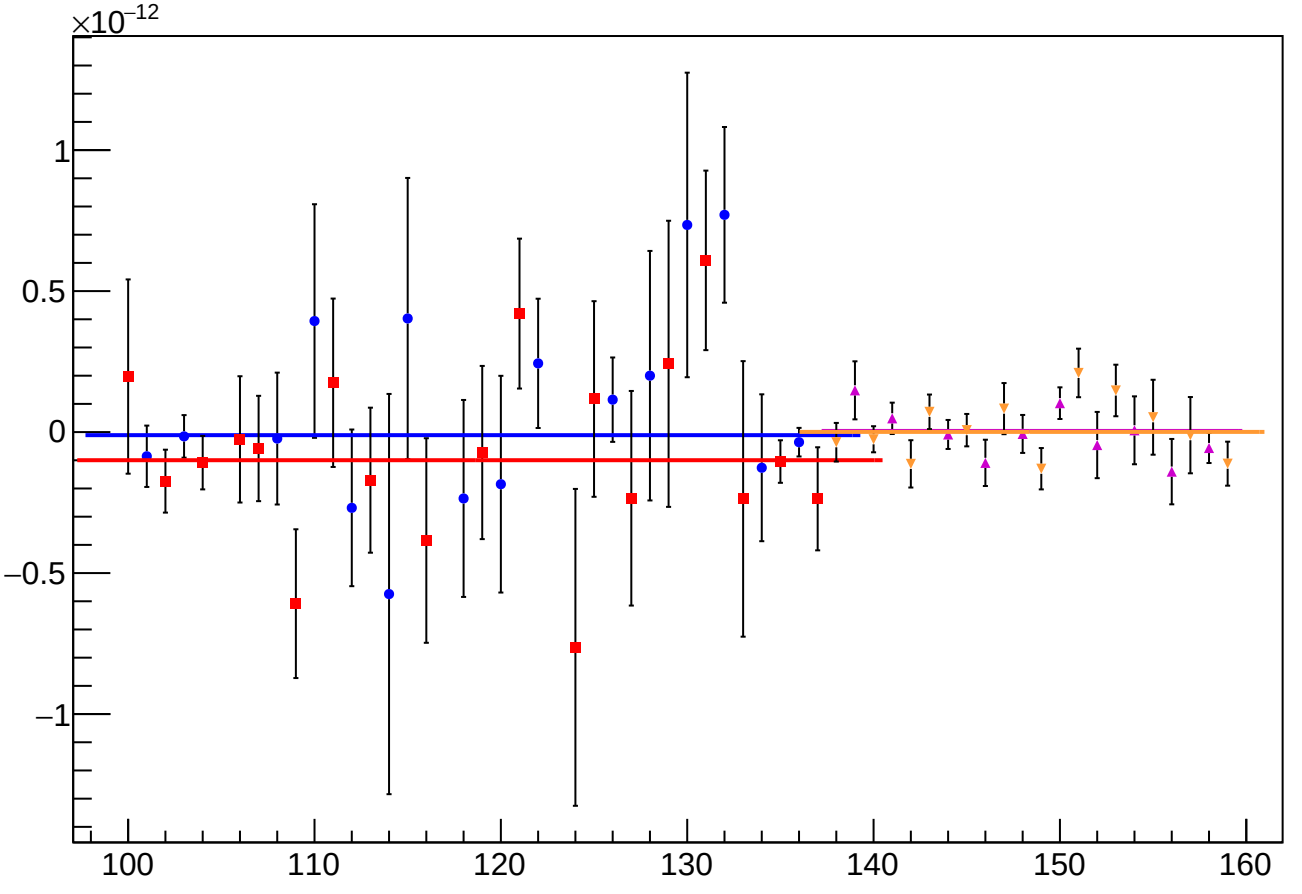
Left In: 286.138+/-0.070 χ^2/NDF:494752.6/9

+ sign 221.127+/-0.041 χ^2/NDF: 3451078.5/27

All: 213.145+/-0.028 χ^2/NDF: 7352876.4/56

- sign 205.690+/-0.040 χ^2/NDF: 3828110.1/28

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/11

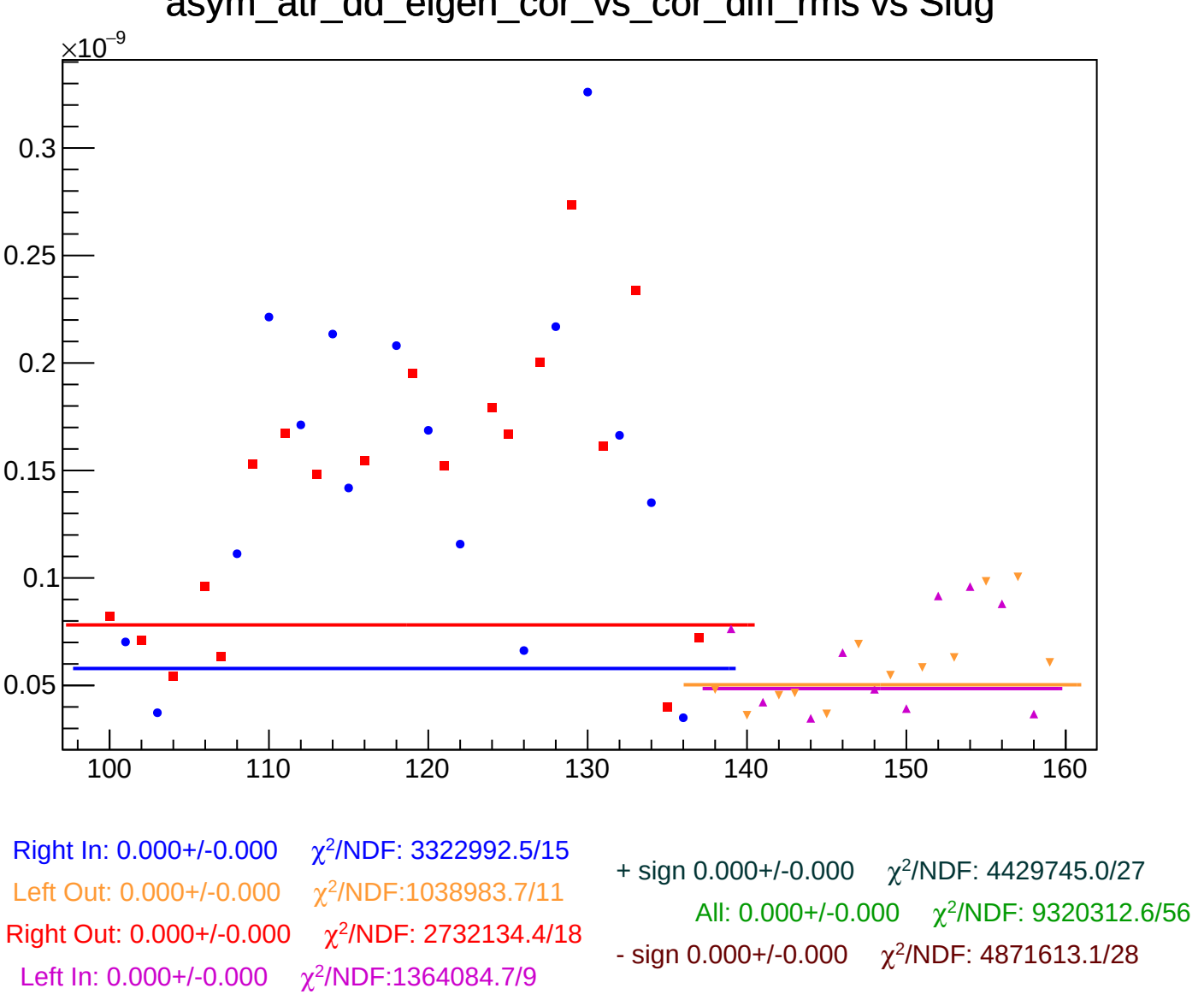
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/9

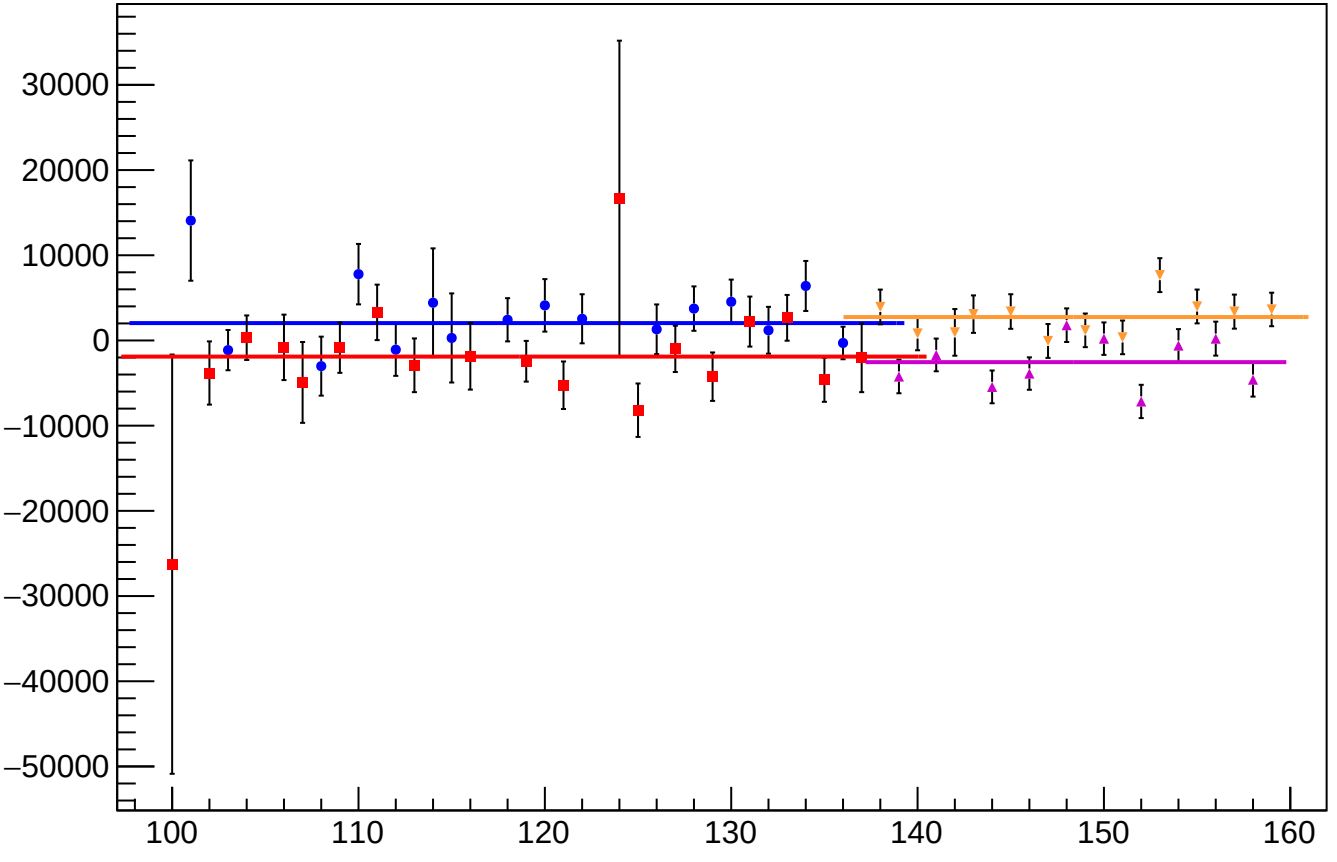
+ sign -0.000+/-0.000 χ^2/NDF: 33.6/27

All: -0.000+/-0.000 χ^2/NDF: 67.8/56

- sign -0.000+/-0.000 χ^2/NDF: 33.9/28


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3322992.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1038983.7/11
Right Out: 0.000+/-0.000 χ²/NDF: 2732134.4/18
Left In: 0.000+/-0.000 χ²/NDF:1364084.7/9
+ sign 0.000+/-0.000 χ²/NDF: 4429745.0/27
All: 0.000+/-0.000 χ²/NDF: 9320312.6/56
- sign 0.000+/-0.000 χ²/NDF: 4871613.1/28

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

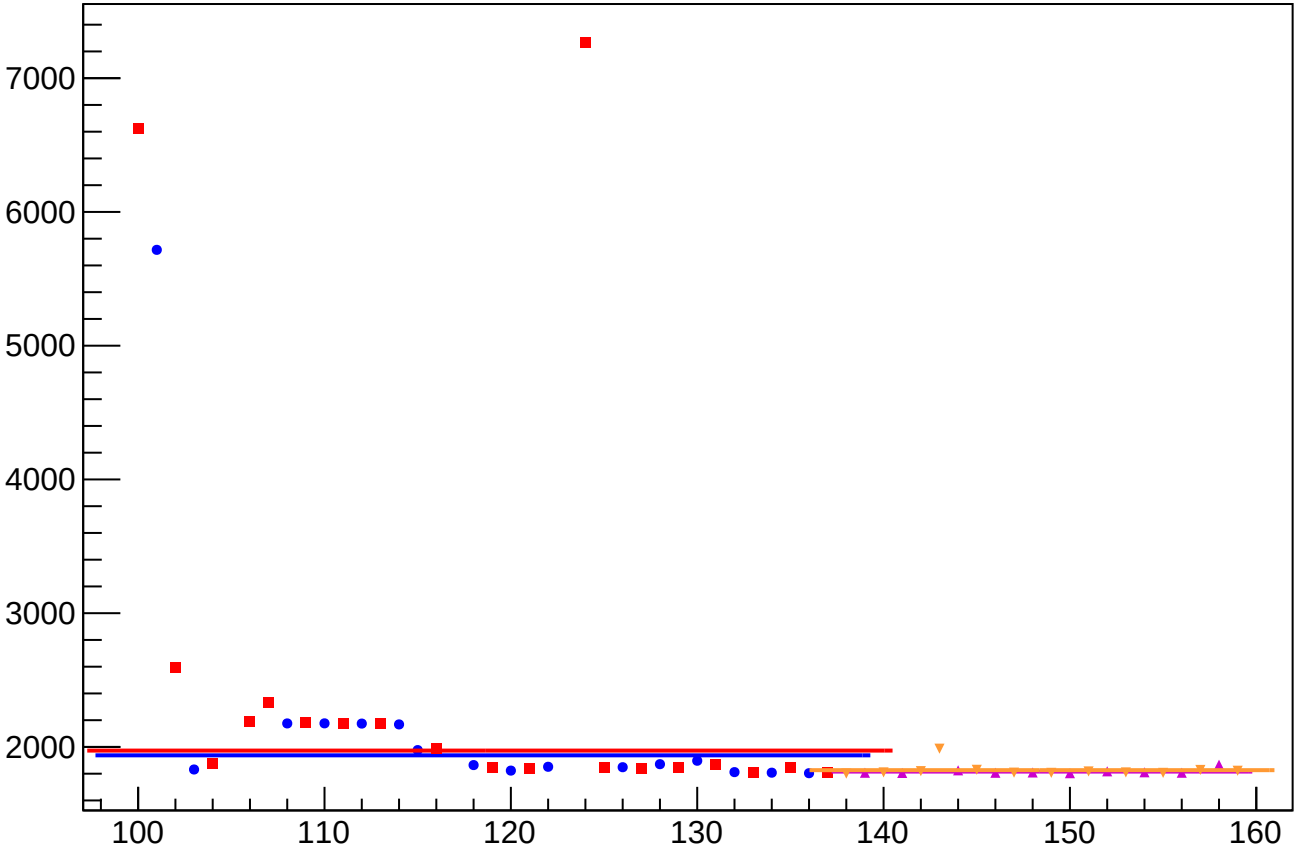
Left In: -2544.848+/-614.775 χ^2/NDF:20.2/9

+ sign 2470.345+/-460.970 χ^2/NDF: 29.7/27

All: 152.348+/-329.795 χ^2/NDF: 120.7/56

- sign -2278.203+/-472.029 χ^2/NDF: 39.2/28

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

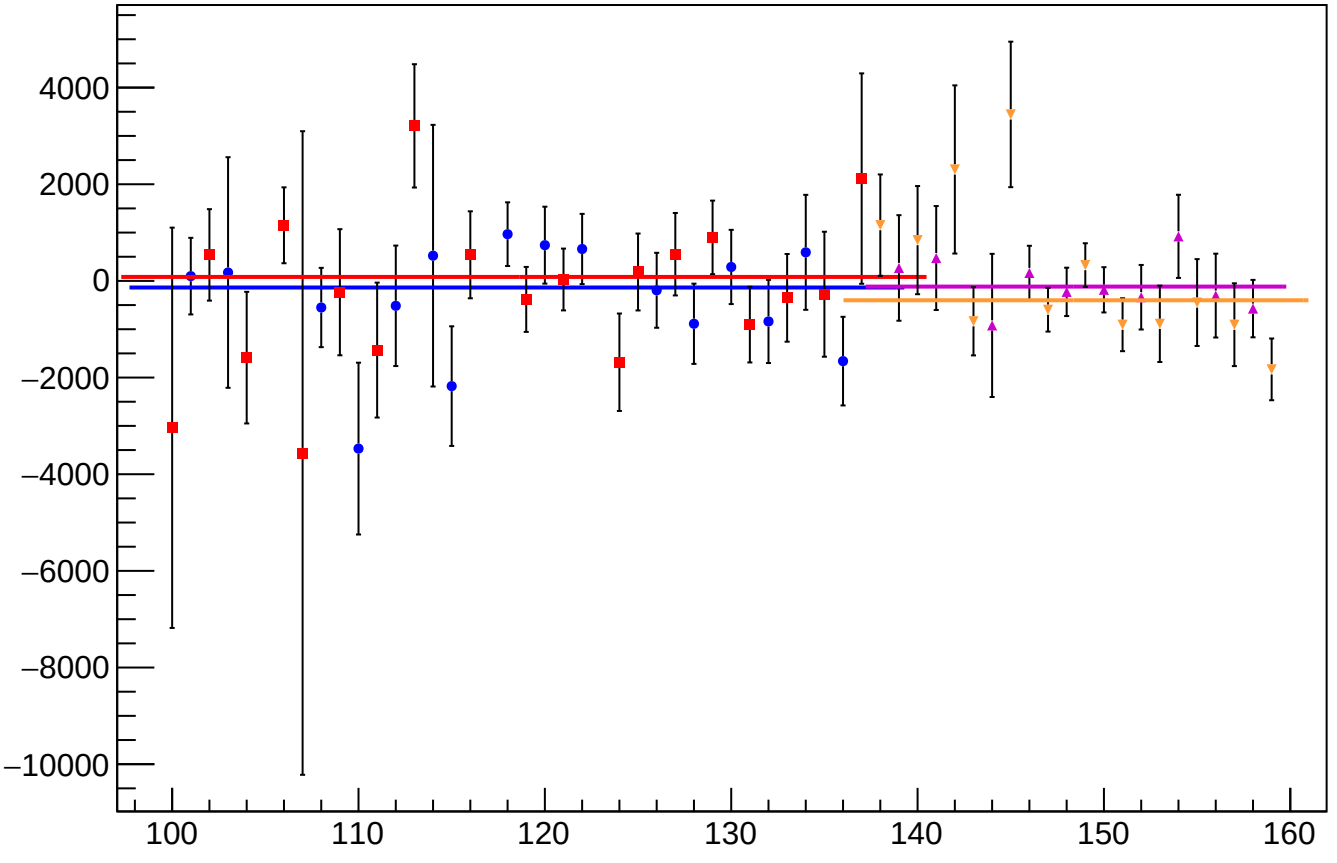
Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

+ sign 1869.841+/-0.326 χ^2/NDF: 677601.7/27

All: 1874.923+/-0.233 χ^2/NDF: 1110803.3/56

- sign 1880.252+/-0.334 χ^2/NDF: 432703.6/28

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -400.725+/-203.074 χ^2/NDF:22.1/11

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

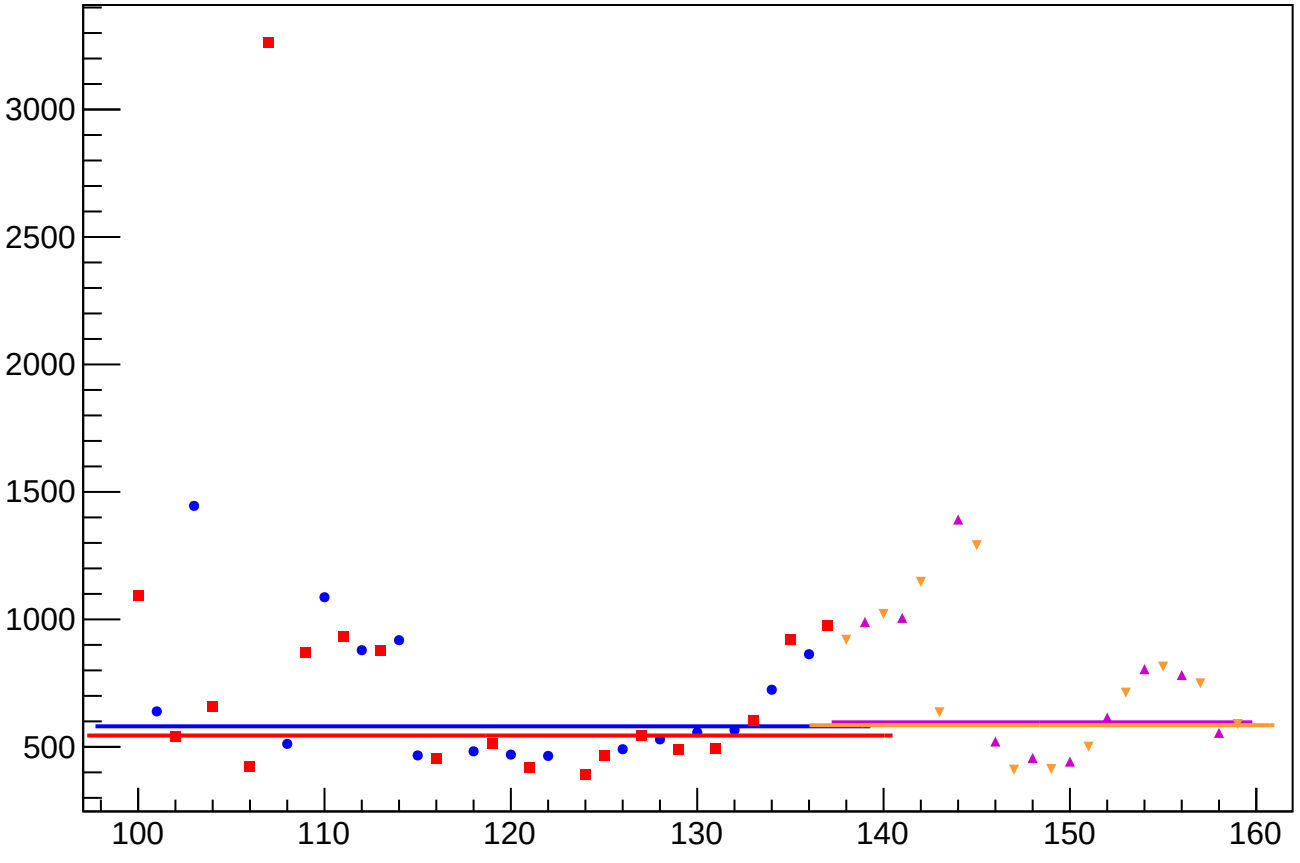
Left In: -117.895+/-214.974 χ^2/NDF:3.2/9

\+ sign -285.283+/-152.354 χ^2/NDF: 39.8/27

All: -154.951+/-108.460 χ^2/NDF: 64.6/56

\- sign -21.026+/-154.440 χ^2/NDF: 23.4/28

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

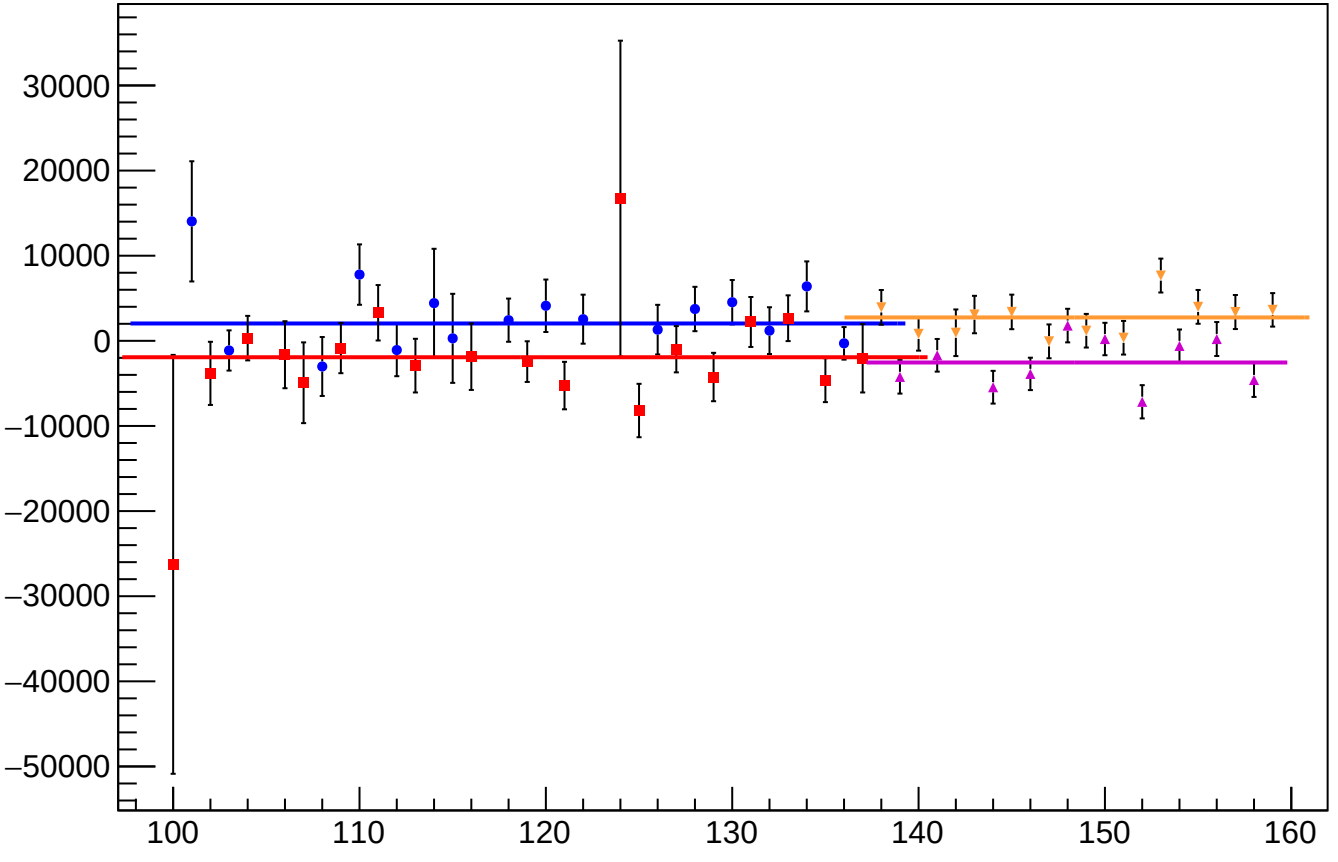
Left In: 596.283+/-0.152 χ^2/NDF:1755050.9/9

+ sign 583.070+/-0.108 χ^2/NDF: 3061708.1/27

All: 577.236+/-0.077 χ^2/NDF: 6166435.9/56

- sign 571.241+/-0.109 χ^2/NDF: 3098781.0/28

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

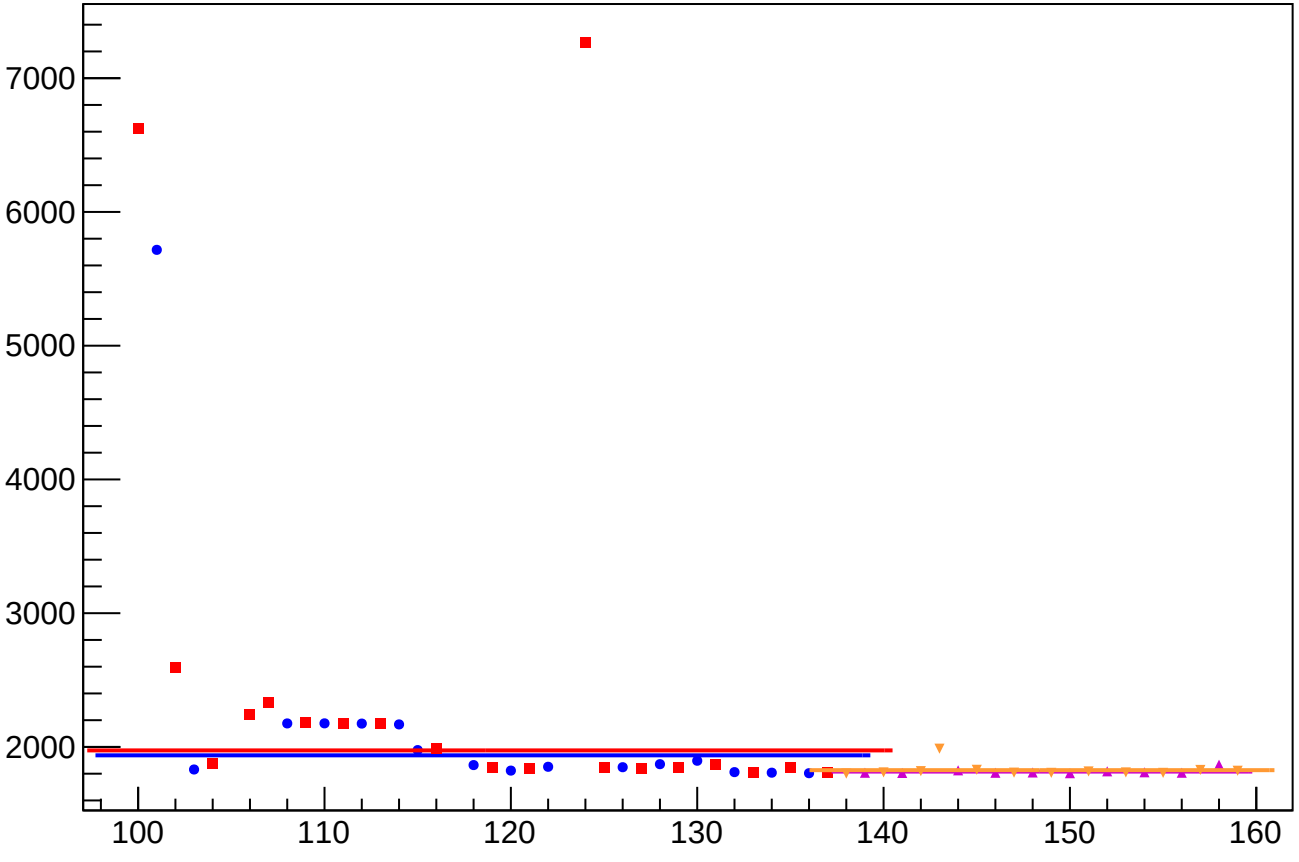
Left In: -2544.987+/-614.775 χ^2/NDF:20.2/9

+ sign 2470.181+/-460.970 χ^2/NDF: 29.7/27

All: 146.739+/-329.854 χ^2/NDF: 120.9/56

- sign -2291.283+/-472.199 χ^2/NDF: 39.1/28

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

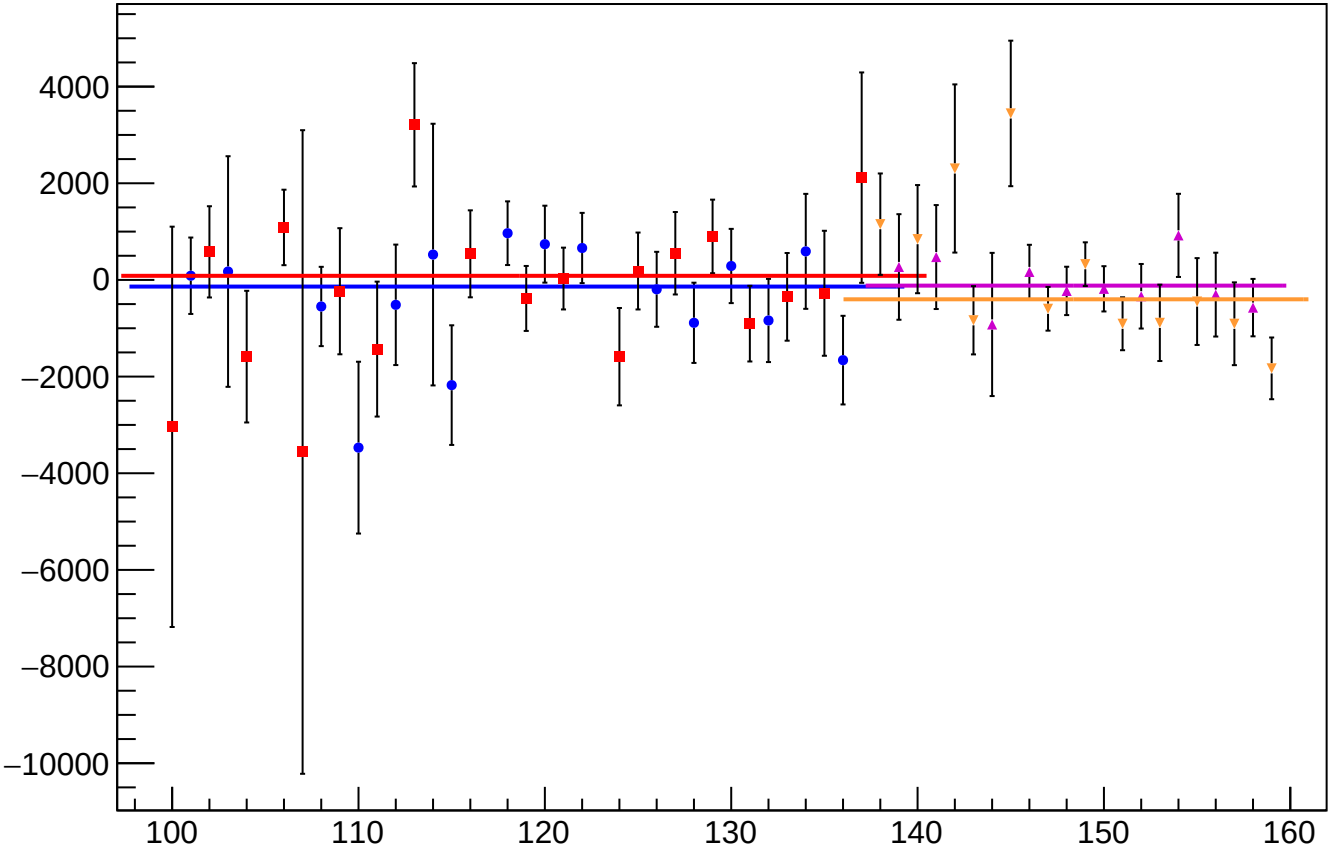
Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

+ sign 1869.841+/-0.326 χ^2/NDF: 677601.7/27

All: 1875.168+/-0.233 χ^2/NDF: 1114644.6/56

- sign 1880.757+/-0.334 χ^2/NDF: 436495.7/28

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

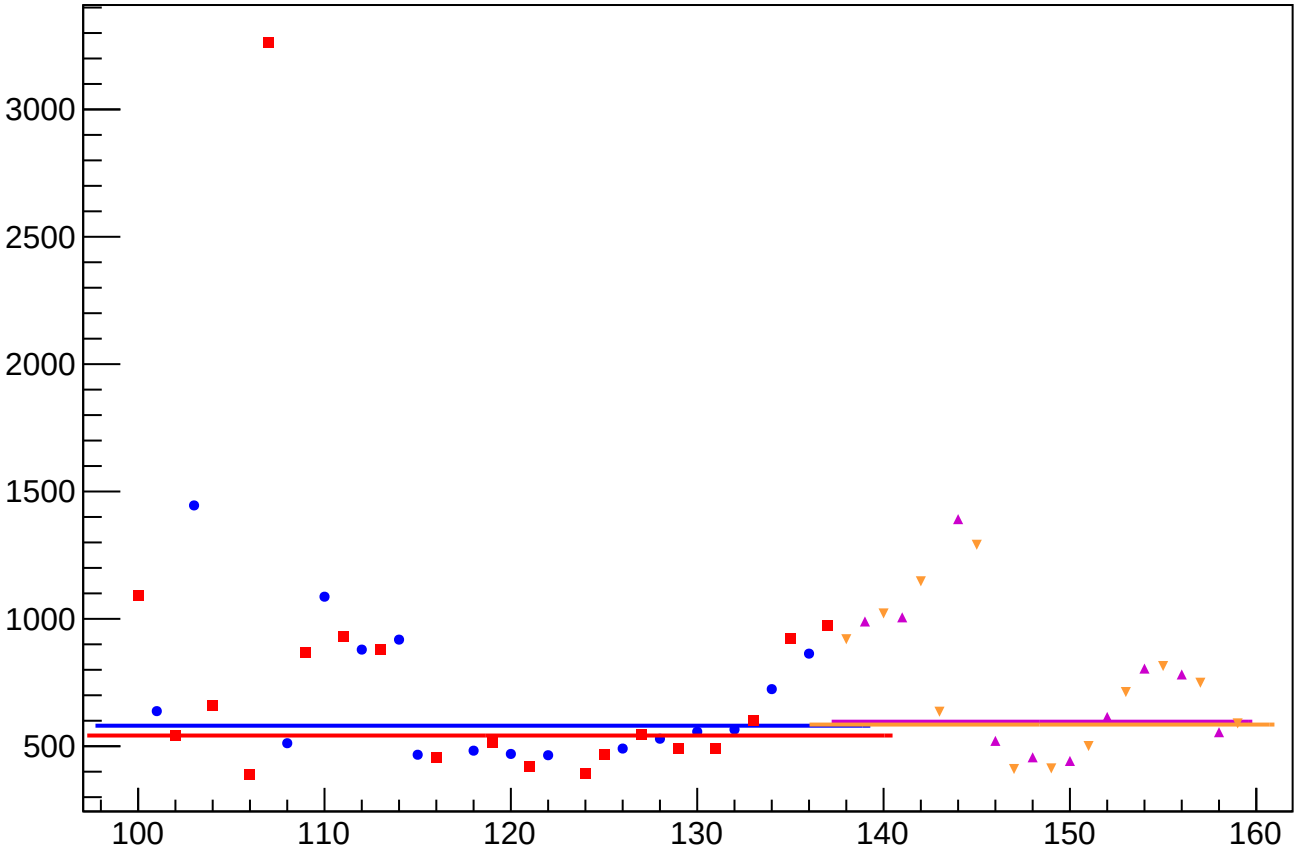
Left In: -117.892+/-214.975 χ^2/NDF:3.2/9

\+ sign -285.743+/-152.340 χ^2/NDF: 39.7/27

All: -154.492+/-108.439 χ^2/NDF: 64.2/56

\- sign -19.678+/-154.394 χ^2/NDF: 23.0/28

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

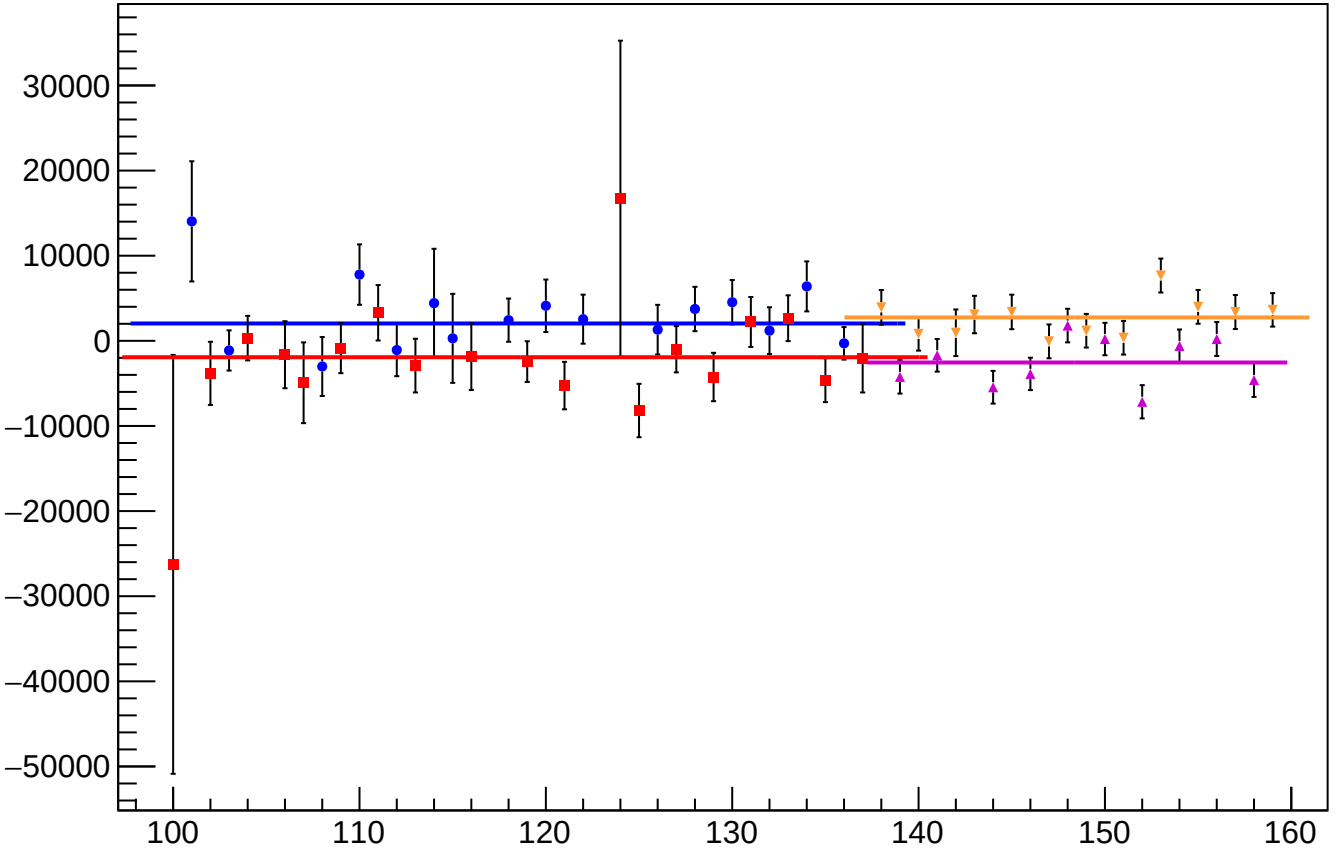
Left In: 596.283+/-0.152 χ^2/NDF:1755077.2/9

+ sign 583.031+/-0.108 χ^2/NDF: 3061298.9/27

All: 576.588+/-0.077 χ^2/NDF: 6204364.7/56

- sign 569.970+/-0.109 χ^2/NDF: 3135813.1/28

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

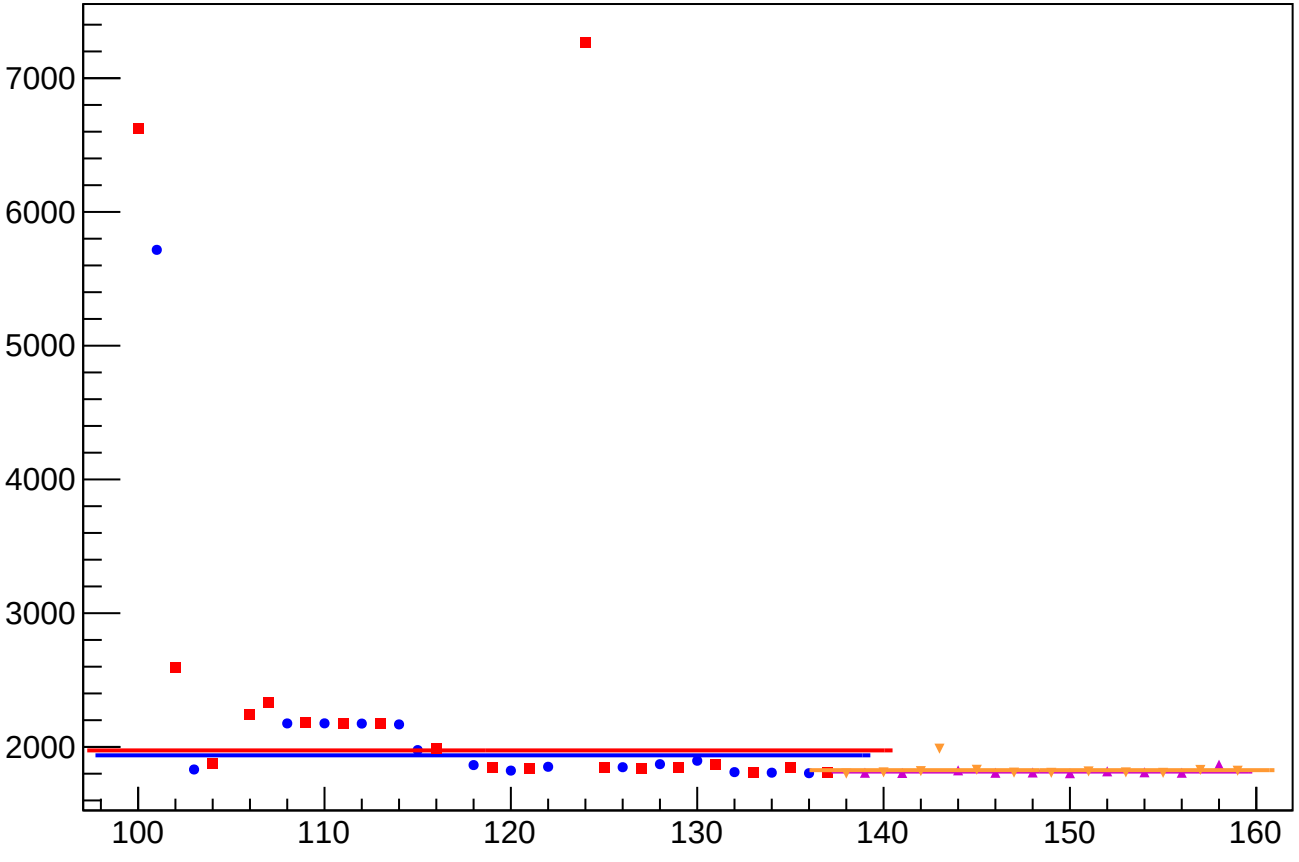
Left In: -2544.987+/-614.775 χ^2/NDF:20.2/9

+ sign 2470.181+/-460.970 χ^2/NDF: 29.7/27

All: 146.739+/-329.854 χ^2/NDF: 120.9/56

- sign -2291.283+/-472.199 χ^2/NDF: 39.1/28

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

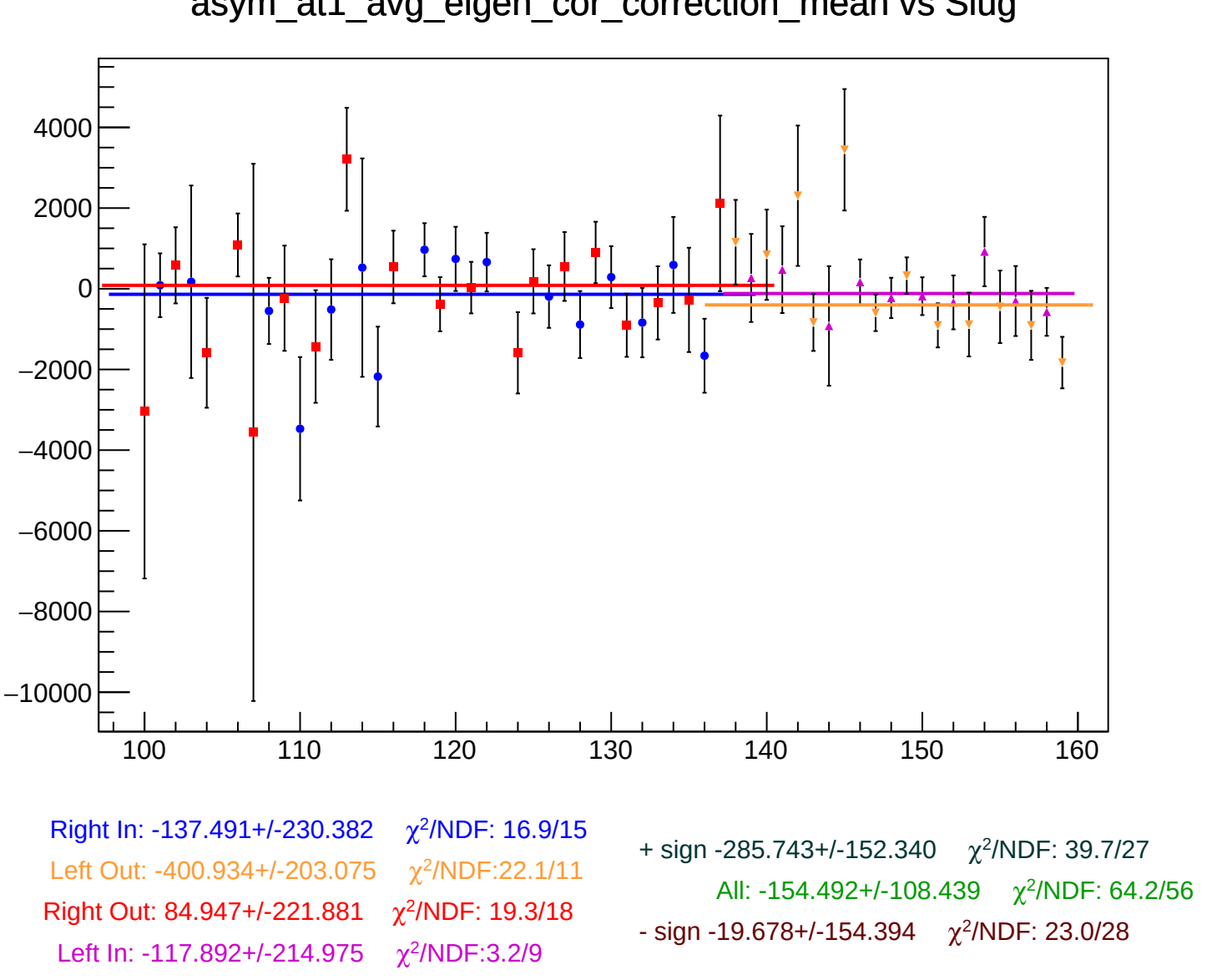
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.840+/-0.435 χ^2/NDF:1681.0/9

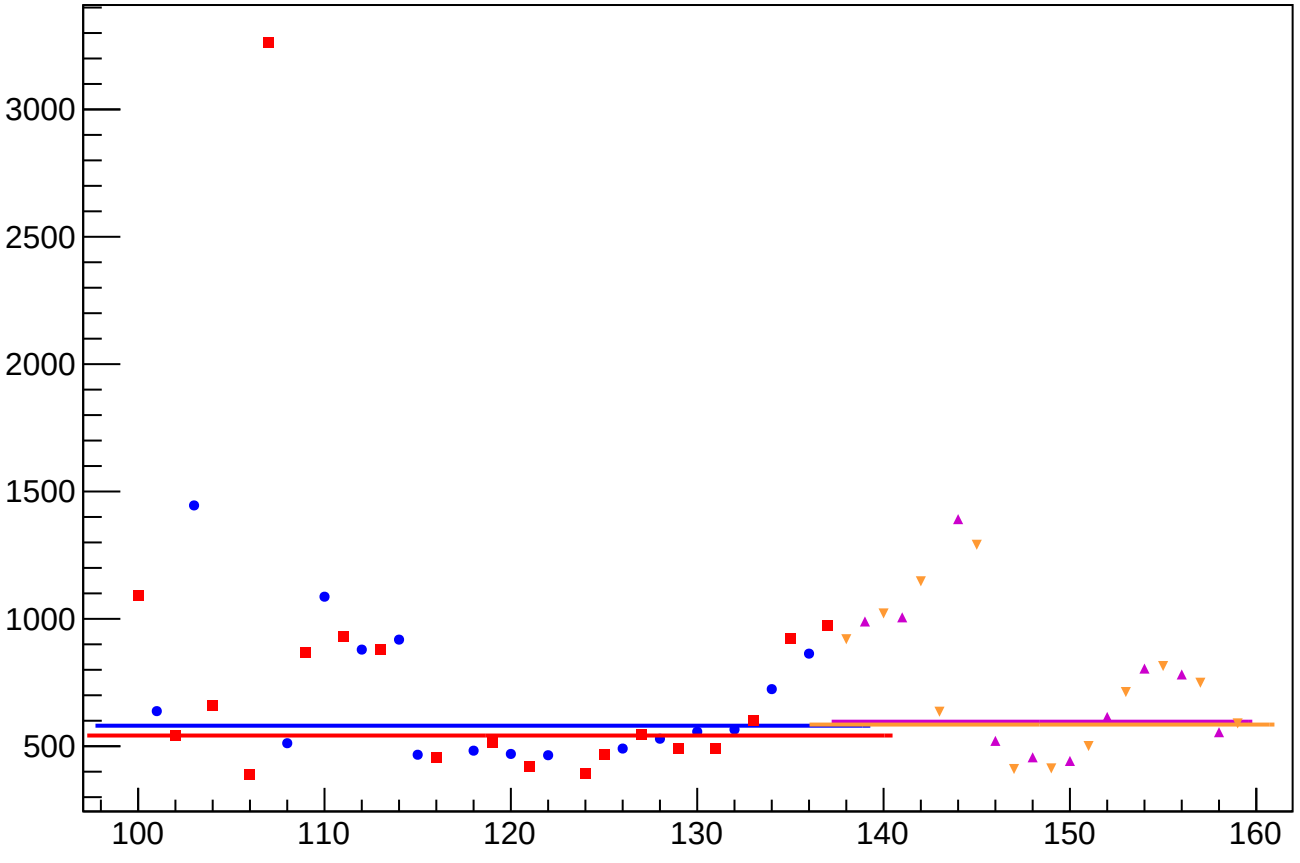
+ sign 1869.841+/-0.326 χ^2/NDF: 677601.7/27

All: 1875.168+/-0.233 χ^2/NDF: 1114644.6/56

- sign 1880.757+/-0.334 χ^2/NDF: 436495.7/28


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: -117.892+/-214.975 χ²/NDF:3.2/9
+ sign -285.743+/-152.340 χ²/NDF: 39.7/27
All: -154.492+/-108.439 χ²/NDF: 64.2/56
- sign -19.678+/-154.394 χ²/NDF: 23.0/28

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

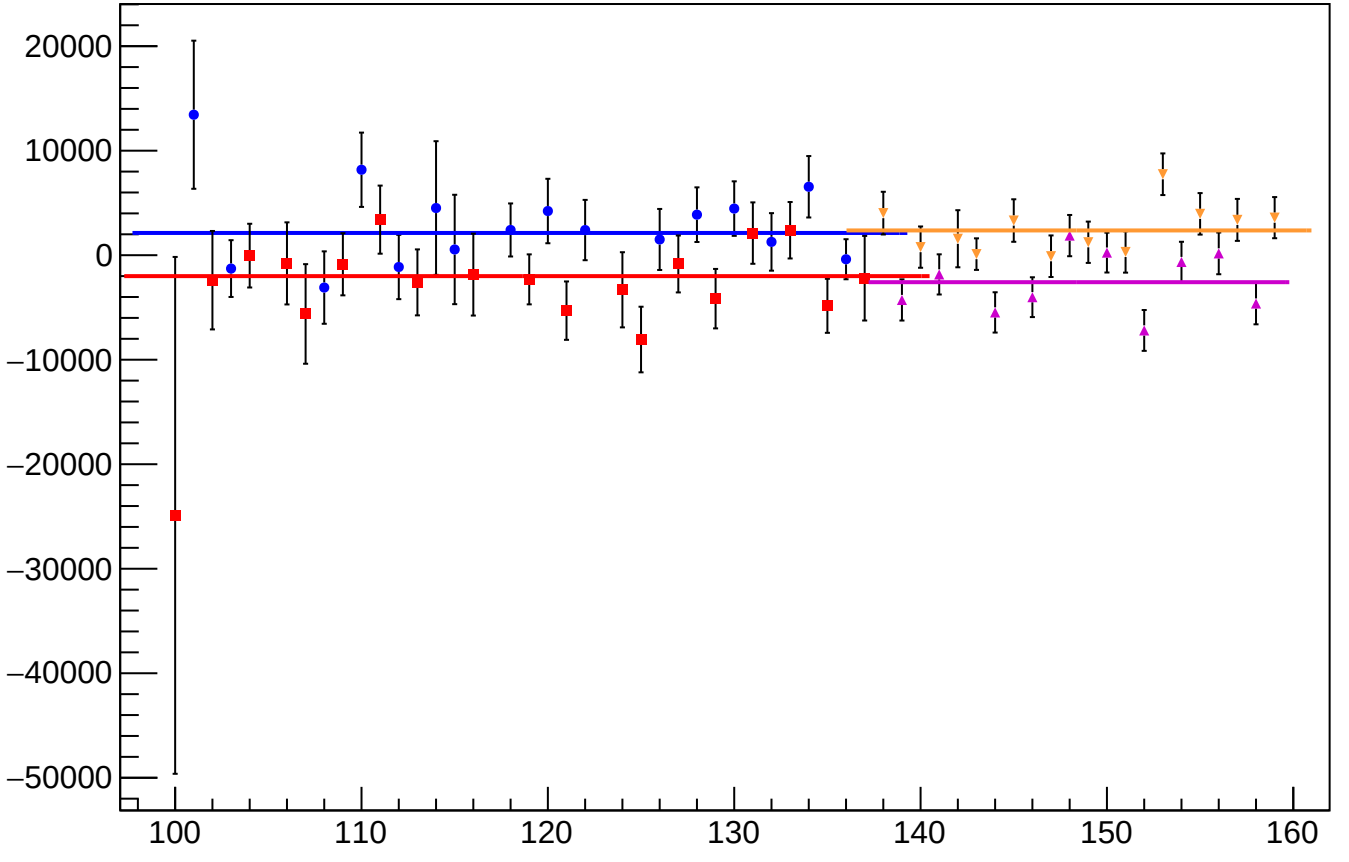
Left In: 596.283+/-0.152 χ^2/NDF:1755077.2/9

+ sign 583.031+/-0.108 χ^2/NDF: 3061298.9/27

All: 576.588+/-0.077 χ^2/NDF: 6204364.7/56

- sign 569.970+/-0.109 χ^2/NDF: 3135813.1/28

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

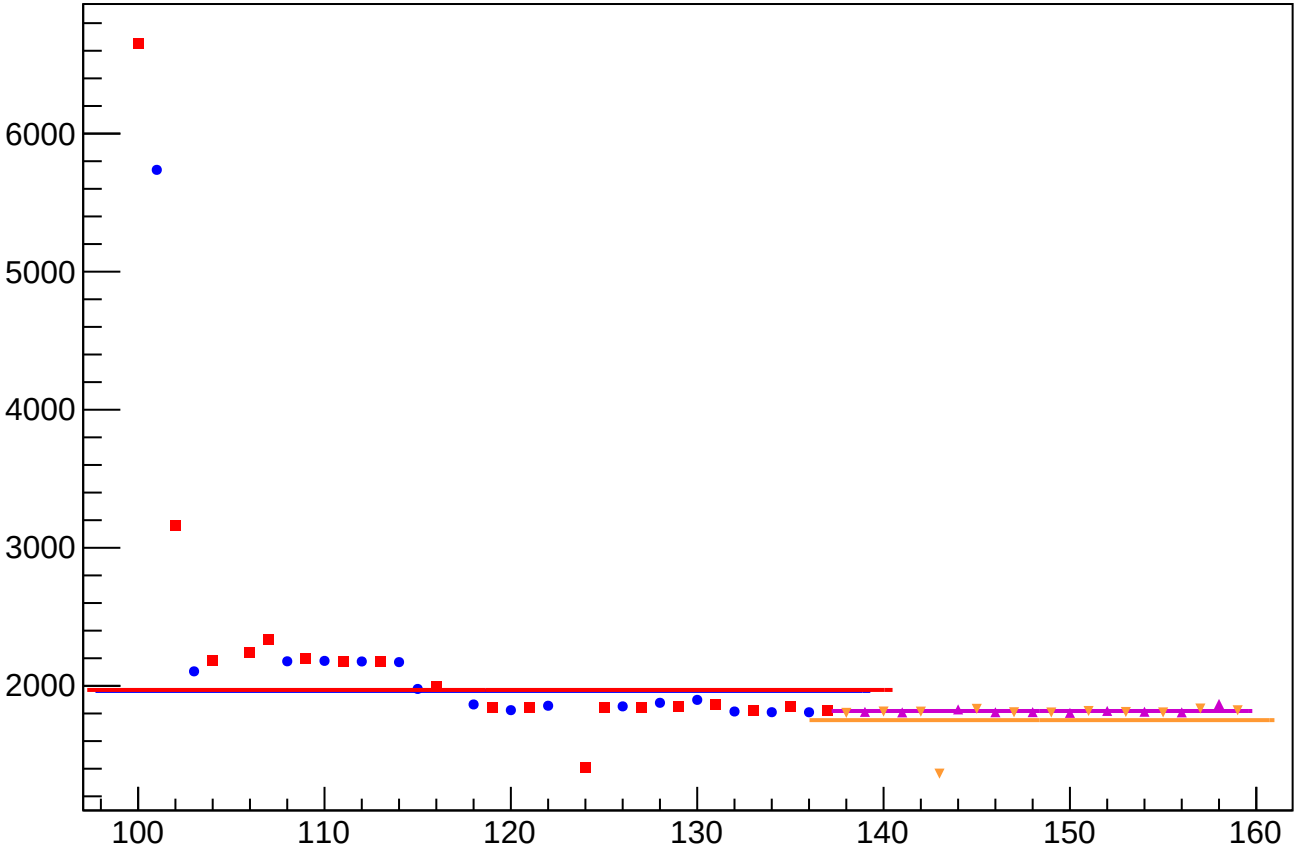
Left In: -2581.943+/-615.519 χ^2/NDF:20.6/9

+ sign 2280.487+/-452.583 χ^2/NDF: 31.9/27

All: 67.754+/-326.832 χ^2/NDF: 119.6/56

- sign -2343.809+/-472.480 χ^2/NDF: 37.7/28

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

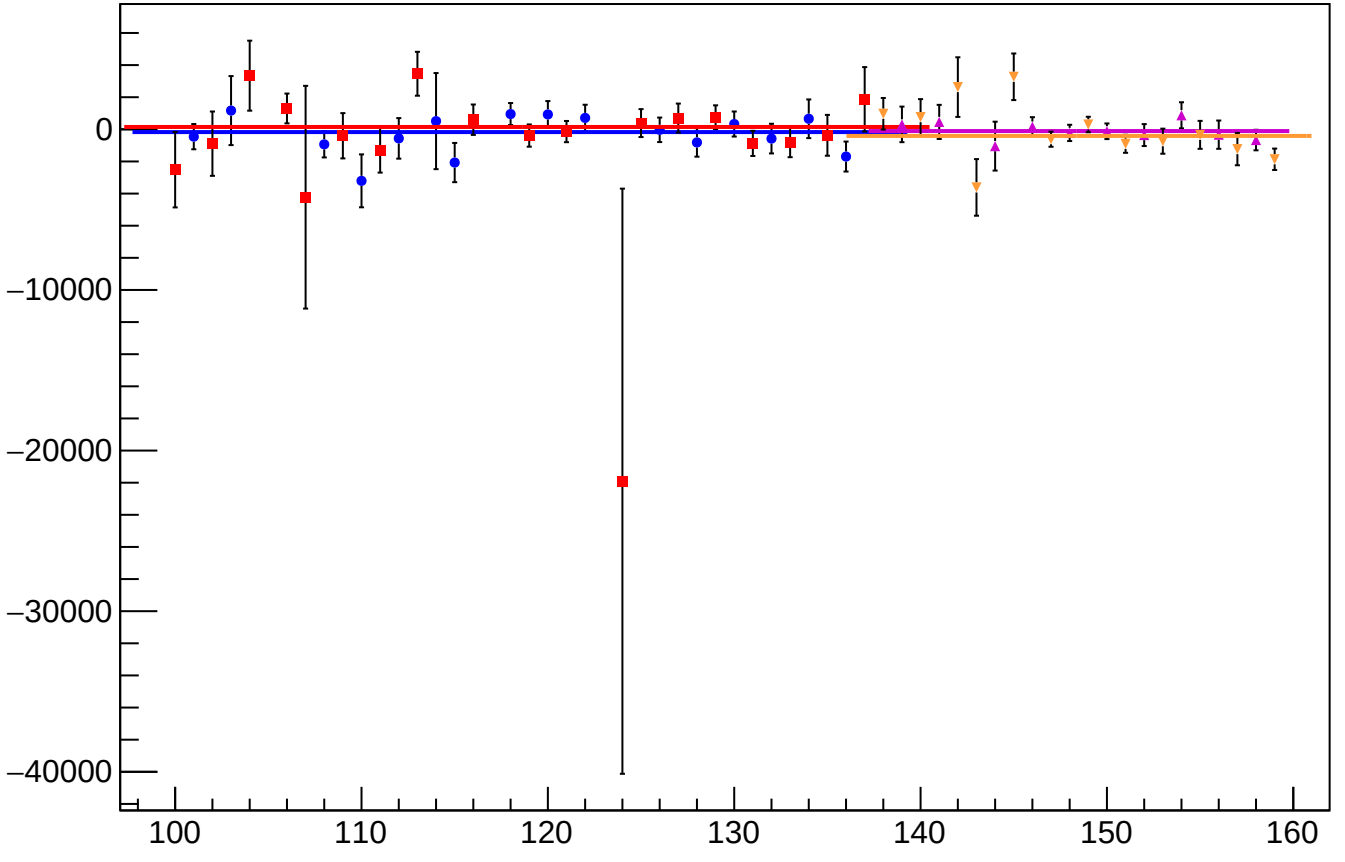
Left In: 1818.007+/-0.435 χ^2/NDF:1704.6/9

+ sign 1829.647+/-0.320 χ^2/NDF: 896072.1/27

All: 1854.043+/-0.231 χ^2/NDF: 1305452.3/56

- sign 1880.630+/-0.334 χ^2/NDF: 397235.9/28

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

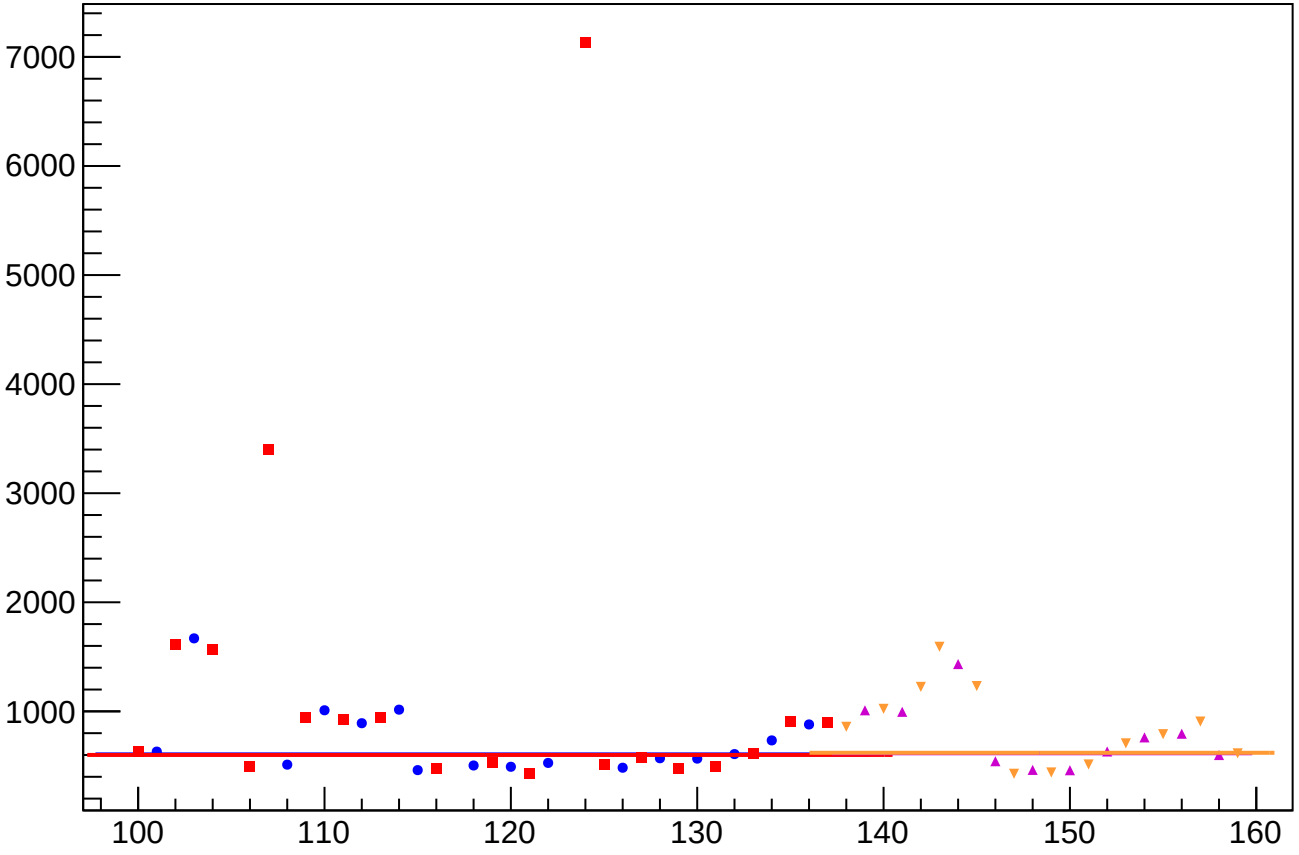
Left In: -106.780+/-220.688 χ^2/NDF:3.5/9

+ sign -300.437+/-160.229 χ^2/NDF: 42.1/27

All: -149.057+/-114.377 χ^2/NDF: 68.1/56

- sign 8.227+/-163.323 χ^2/NDF: 24.2/28

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

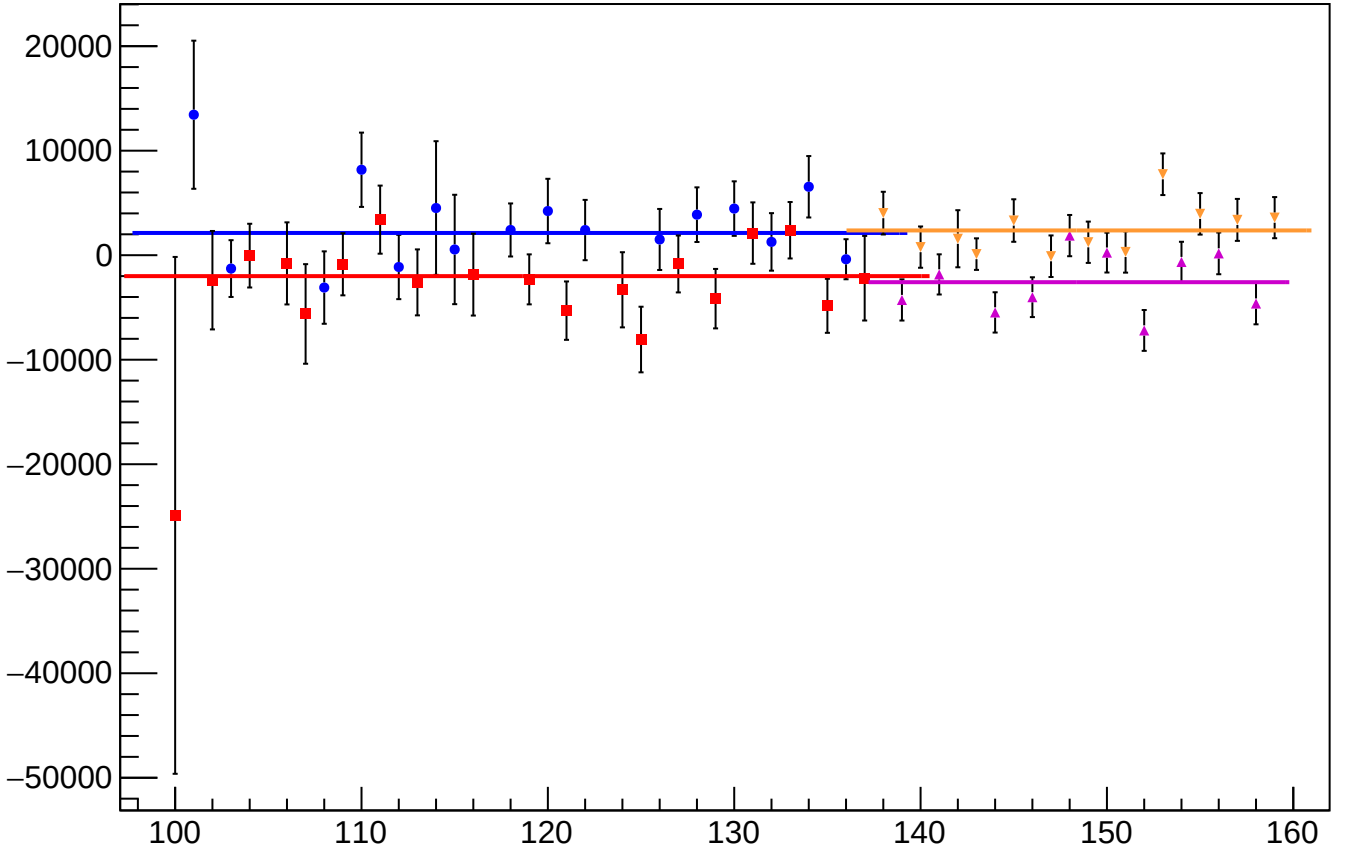
Left In: 615.704+/-0.156 χ^2/NDF:1651969.3/9

+ sign 613.409+/-0.113 χ^2/NDF: 3670186.9/27

All: 611.150+/-0.081 χ^2/NDF: 7655814.3/56

- sign 608.803+/-0.115 χ^2/NDF: 3984816.8/28

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

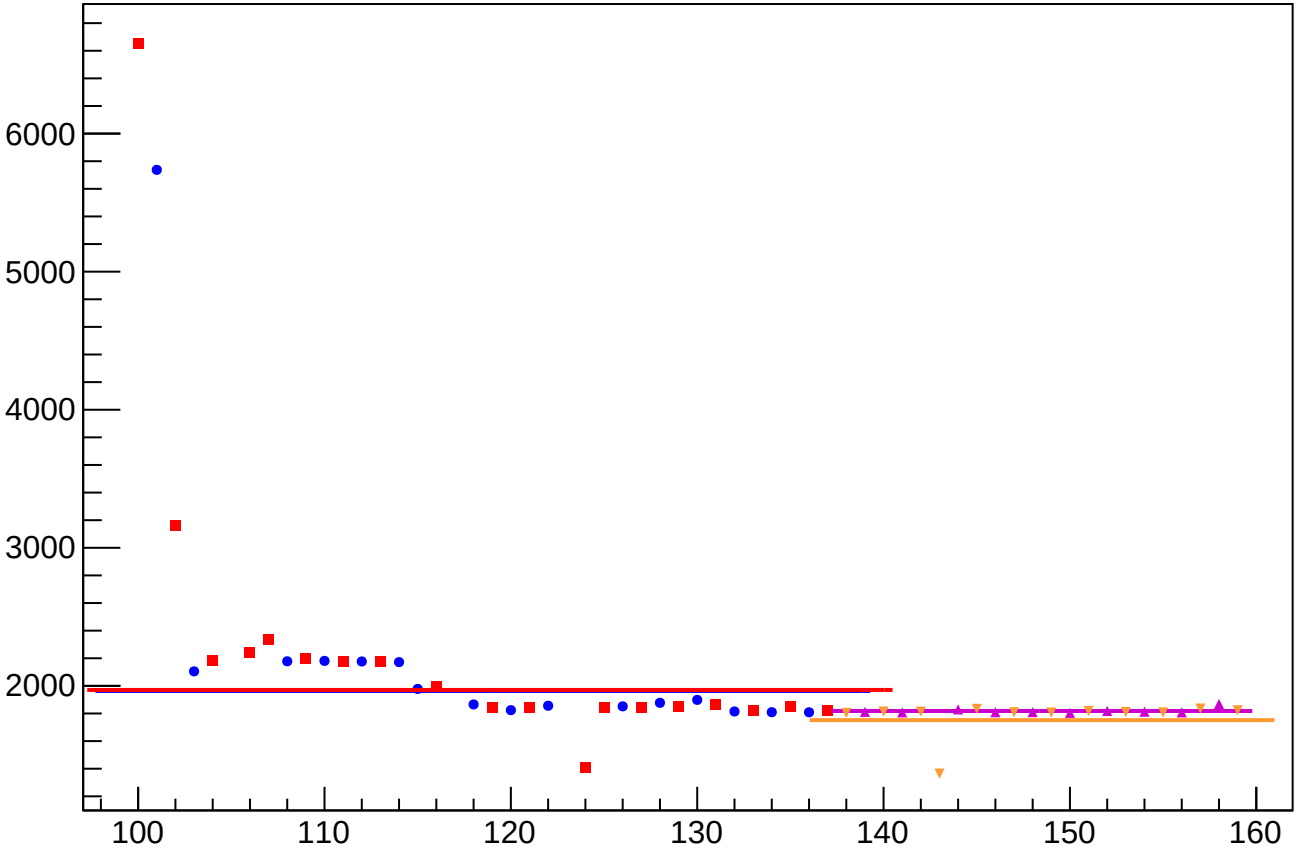
Left In: -2581.944+/-615.519 χ^2/NDF:20.6/9

+ sign 2280.486+/-452.583 χ^2/NDF: 31.9/27

All: 67.754+/-326.832 χ^2/NDF: 119.6/56

- sign -2343.808+/-472.480 χ^2/NDF: 37.7/28

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

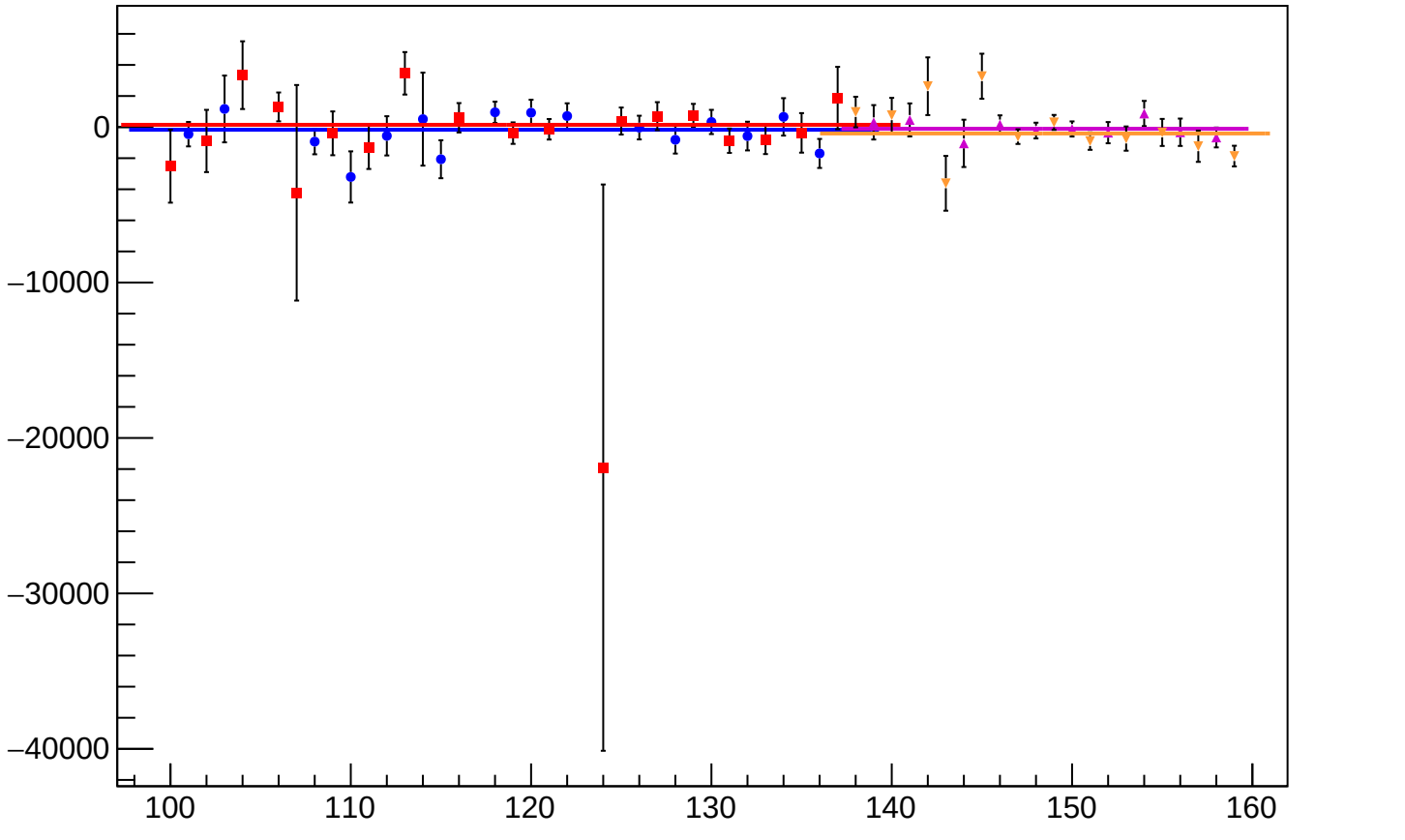
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1818.007+/-0.435 χ^2/NDF:1704.6/9

+ sign 1829.647+/-0.320 χ^2/NDF: 896071.6/27

All: 1854.043+/-0.231 χ^2/NDF: 1305450.2/56

- sign 1880.630+/-0.334 χ^2/NDF: 397234.4/28



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

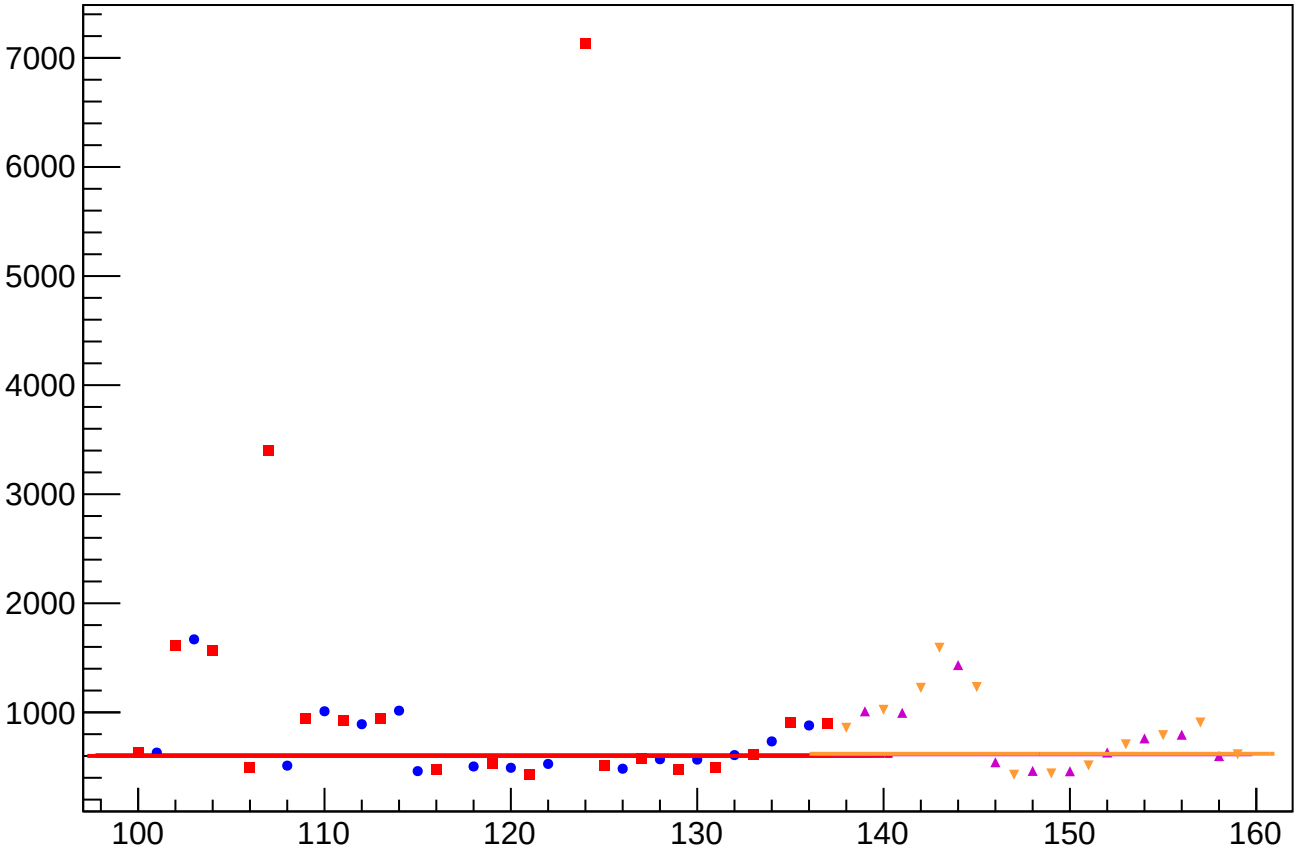
Left In: -106.780+/-220.688 χ^2/NDF:3.5/9

+ sign -300.436+/-160.229 χ^2/NDF: 42.1/27

All: -149.056+/-114.377 χ^2/NDF: 68.1/56

- sign 8.227+/-163.324 χ^2/NDF: 24.2/28

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

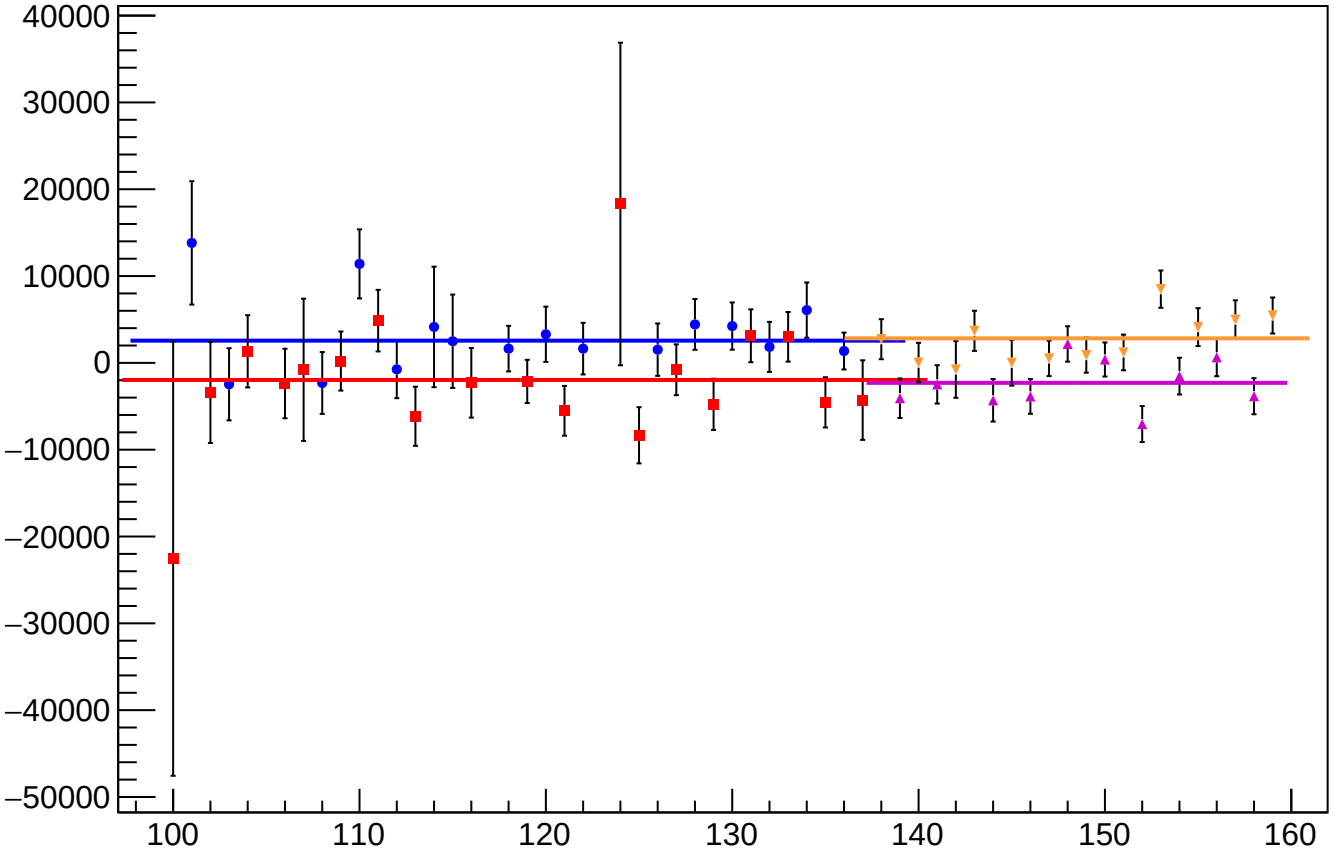
Left In: 615.705+/-0.156 χ^2/NDF:1651964.0/9

+ sign 613.409+/-0.113 χ^2/NDF: 3670187.7/27

All: 611.150+/-0.081 χ^2/NDF: 7655818.8/56

- sign 608.803+/-0.115 χ^2/NDF: 3984820.5/28

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

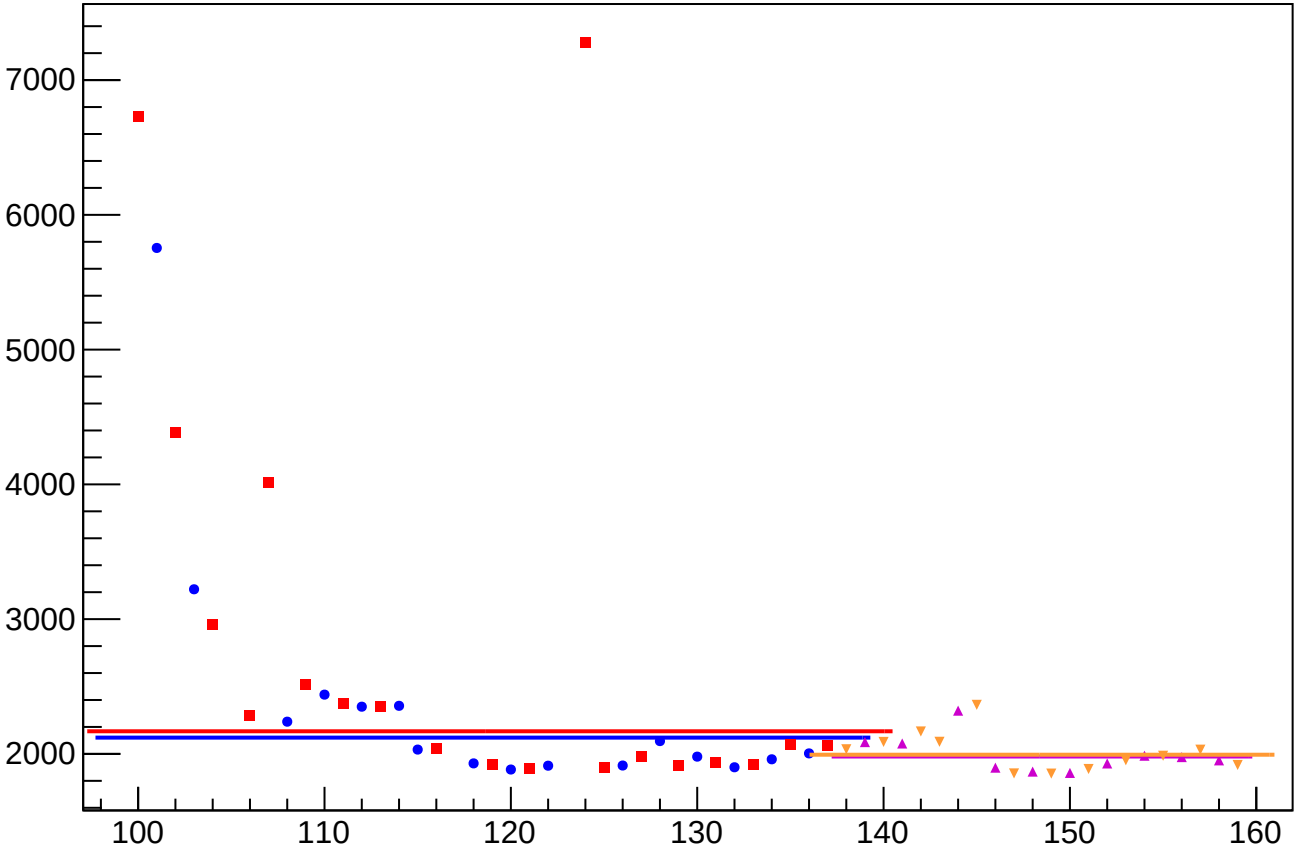
Left In: -2298.945+/-672.069 χ^2/NDF:16.4/9

+ sign 2723.965+/-505.461 χ^2/NDF: 31.3/27

All: 346.307+/-362.275 χ^2/NDF: 114.9/56

- sign -2165.228+/-519.496 χ^2/NDF: 38.0/28

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

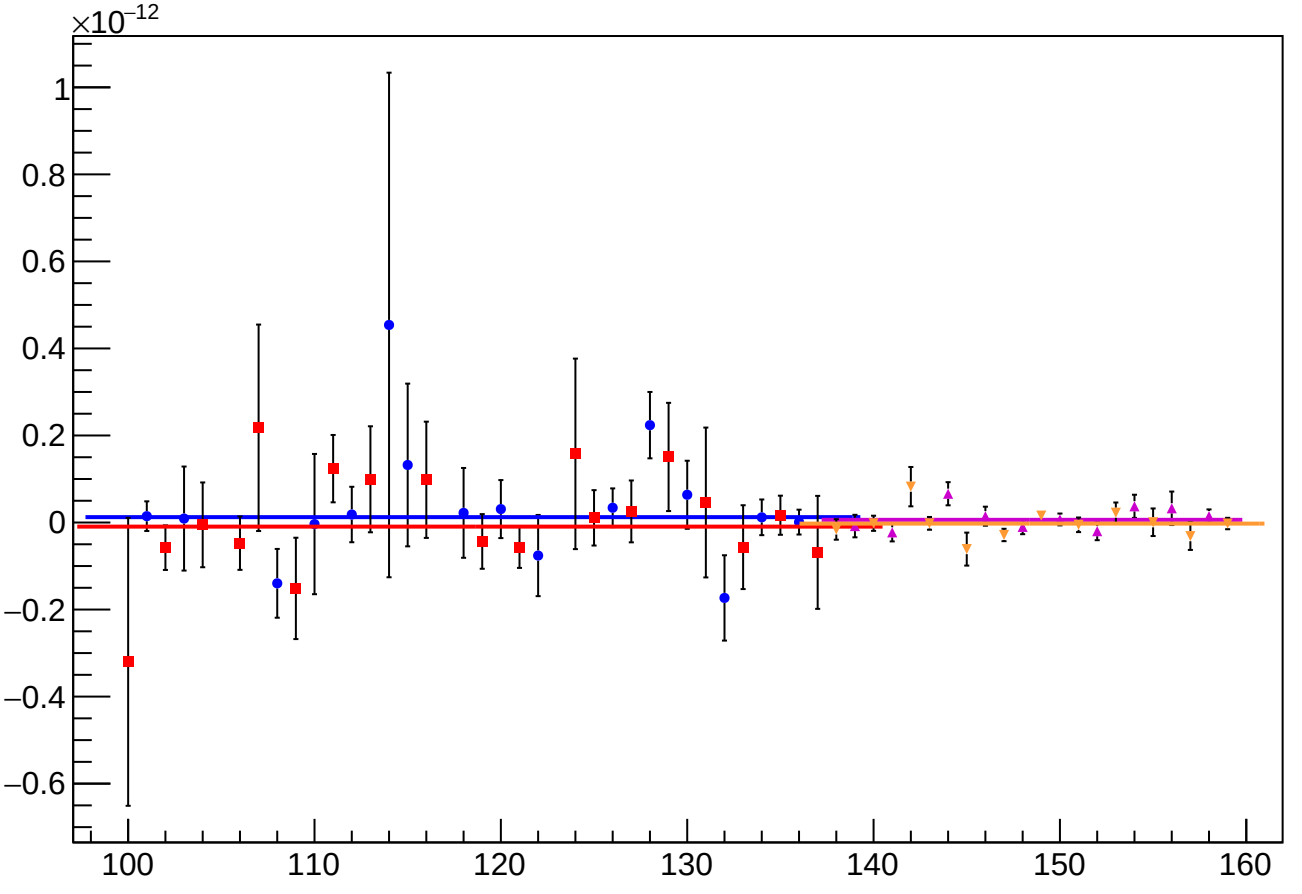
Left In: 1980.524+/-0.475 χ^2/NDF:65629.0/9

+ sign 2043.336+/-0.357 χ^2/NDF: 870617.1/27

All: 2049.455+/-0.256 χ^2/NDF: 1823308.8/56

- sign 2055.919+/-0.367 χ^2/NDF: 952088.9/28

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/11

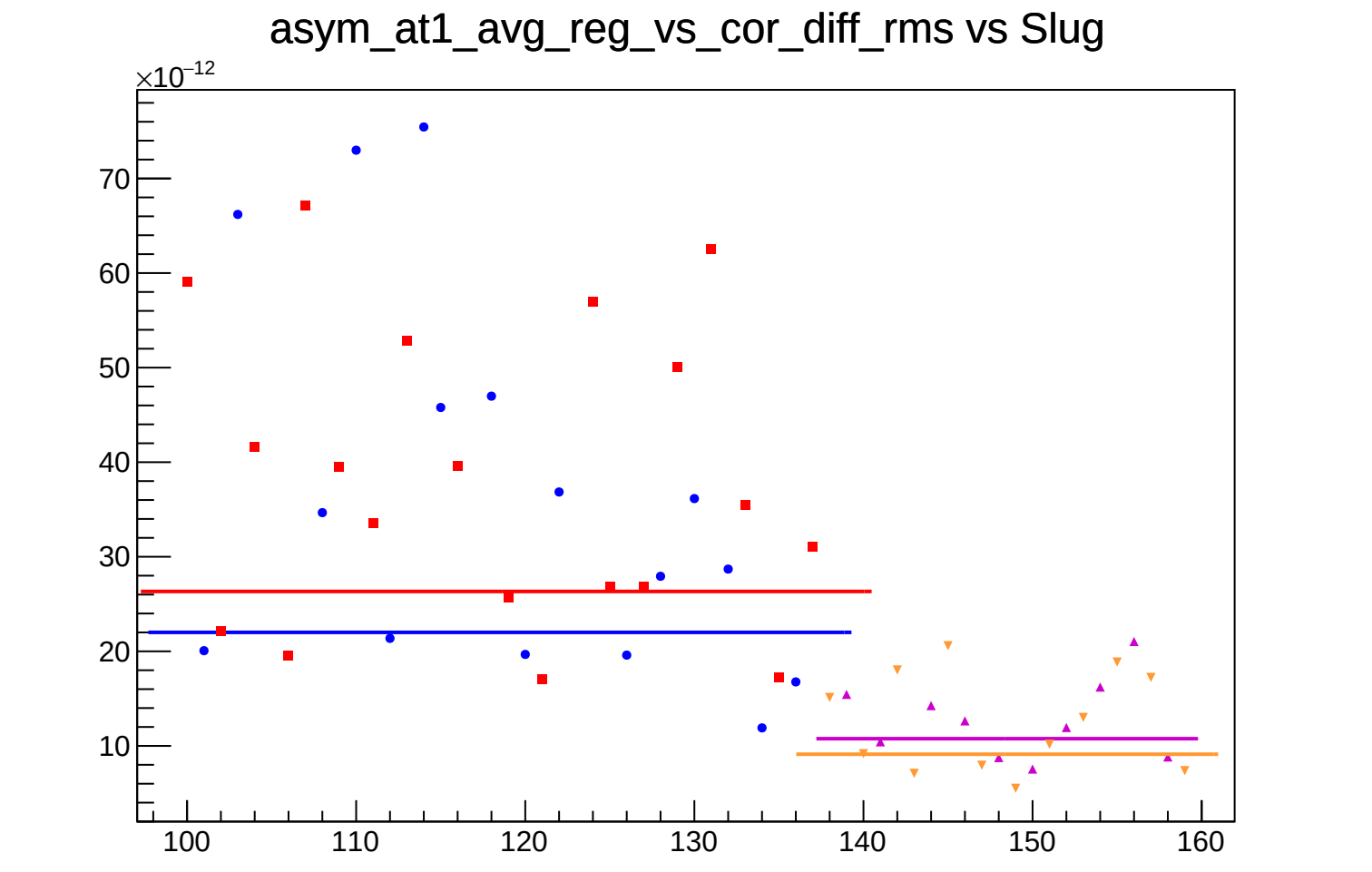
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/27

All: 0.000+/-0.000 χ^2/NDF: 59.8/56

- sign 0.000+/-0.000 χ^2/NDF: 26.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1053161.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

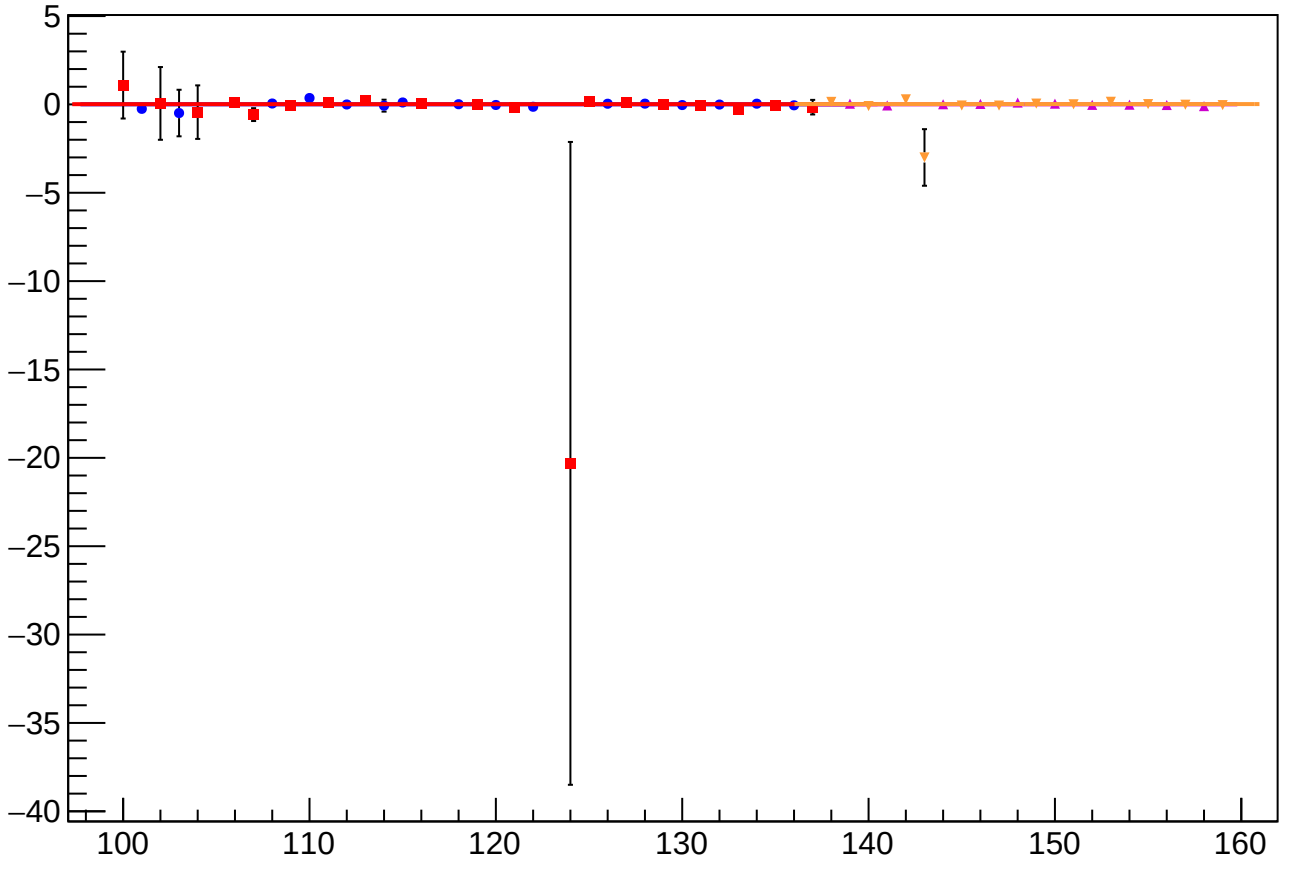
Left In: 0.000+/-0.000 χ^2/NDF:520098.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 3444348.8/27

All: 0.000+/-0.000 χ^2/NDF: 6117700.3/56

- sign 0.000+/-0.000 χ^2/NDF: 2552258.7/28

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.019 χ^2/NDF:22.4/11

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

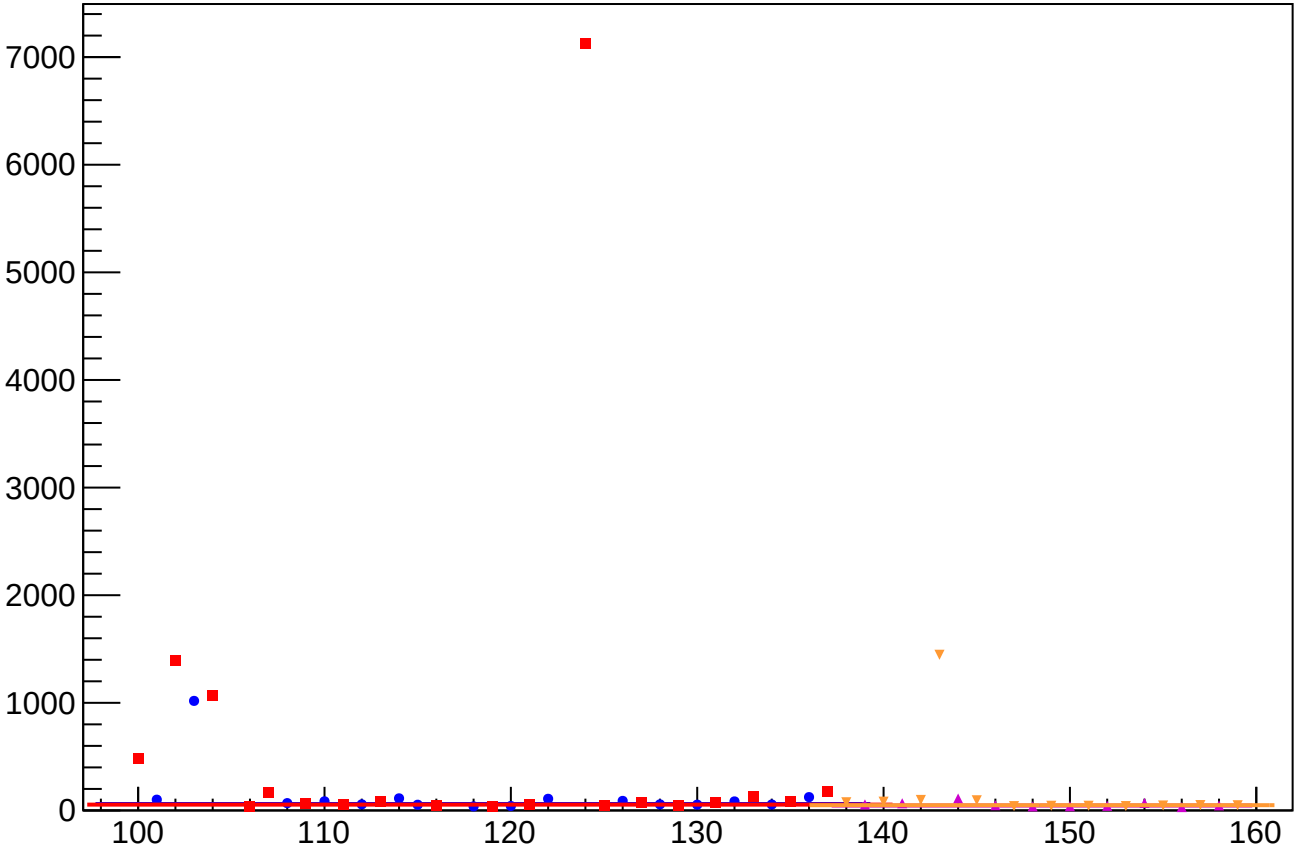
Left In: 0.004+/-0.018 χ^2/NDF:11.2/9

+ sign 0.013+/-0.015 χ^2/NDF: 33.9/27

All: 0.010+/-0.011 χ^2/NDF: 63.0/56

- sign 0.007+/-0.015 χ^2/NDF: 28.9/28

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

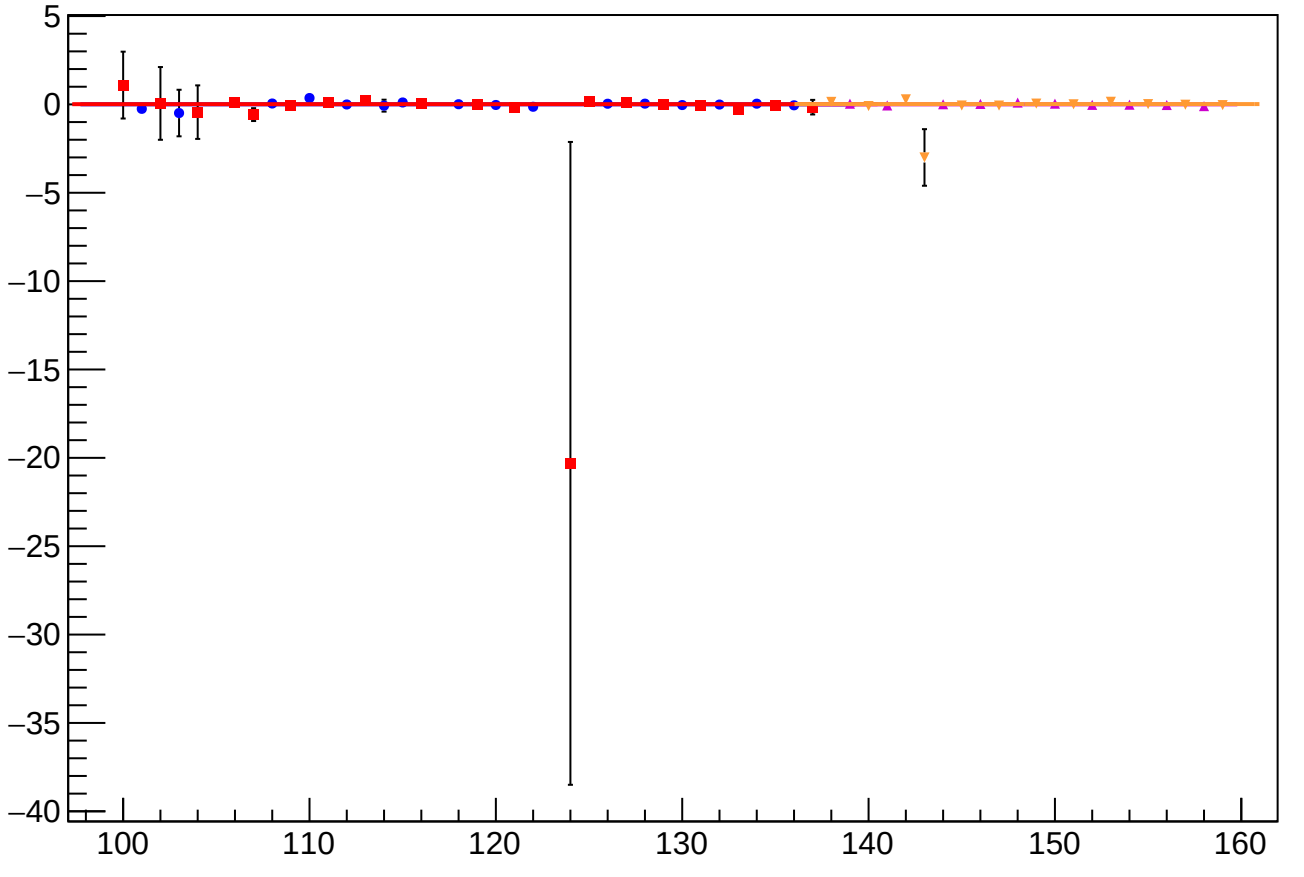
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.594+/-0.012 χ^2/NDF:1327617.9/9

+ sign 52.495+/-0.011 χ^2/NDF: 5384836.2/27

All: 50.312+/-0.007 χ^2/NDF: 10465738.1/56

- sign 48.334+/-0.010 χ^2/NDF: 5002868.3/28



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

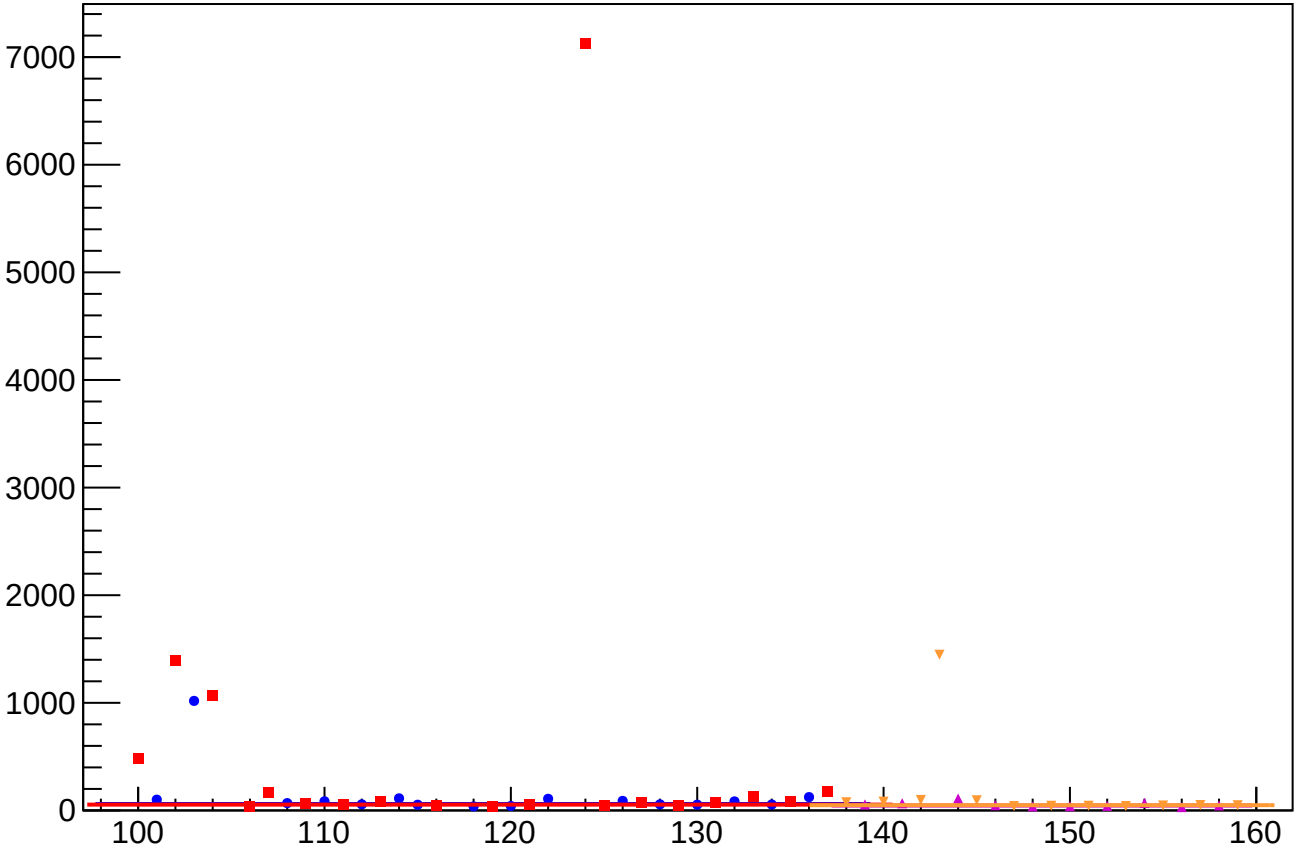
Left In: 0.004+/-0.018 χ^2/NDF:11.2/9

+ sign 0.013+/-0.015 χ^2/NDF: 33.9/27

All: 0.010+/-0.011 χ^2/NDF: 63.0/56

- sign 0.007+/-0.015 χ^2/NDF: 28.9/28

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

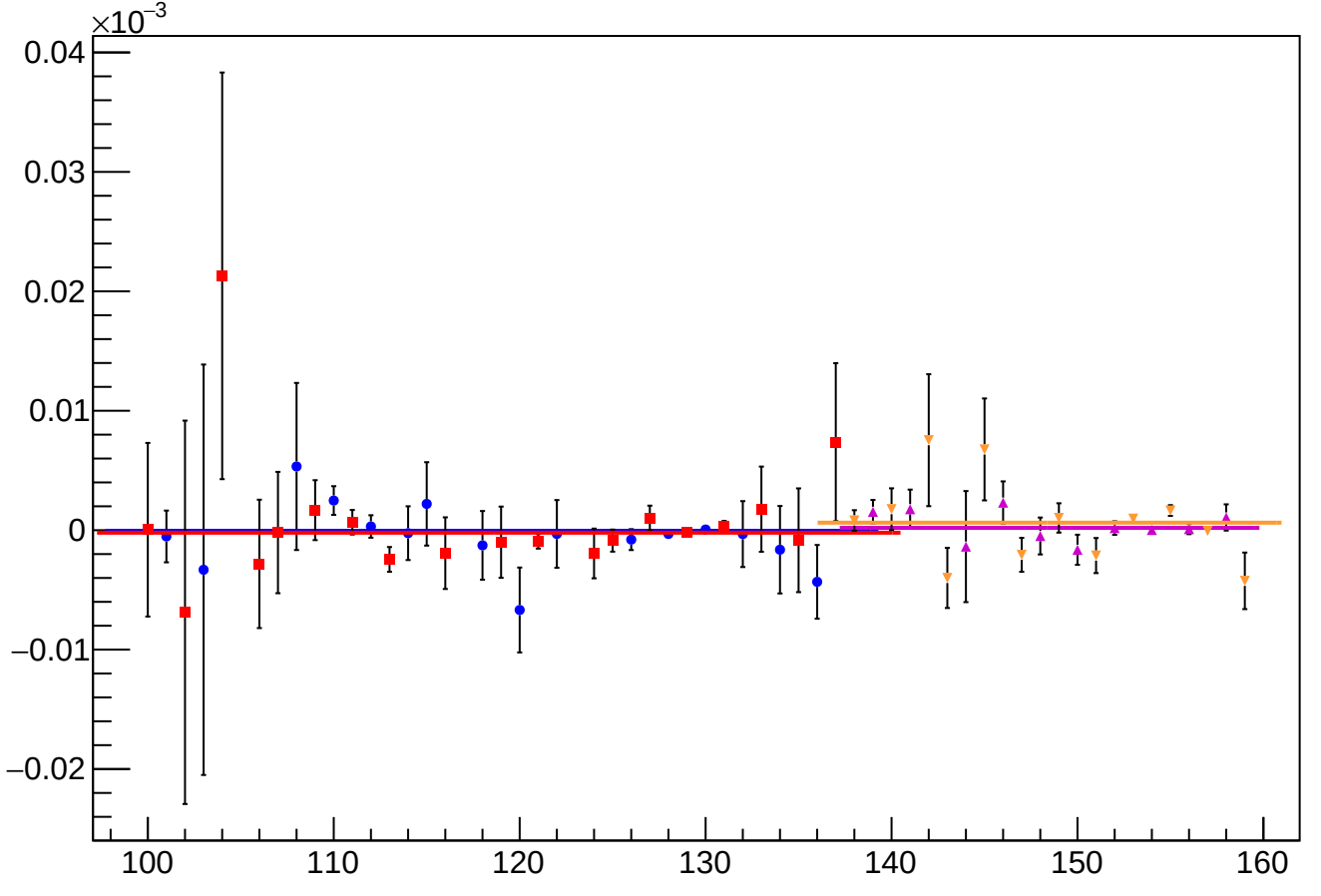
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.594+/-0.012 χ^2/NDF:1327617.9/9

+ sign 52.495+/-0.011 χ^2/NDF: 5384836.2/27

All: 50.312+/-0.007 χ^2/NDF: 10465738.1/56

- sign 48.334+/-0.010 χ^2/NDF: 5002868.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

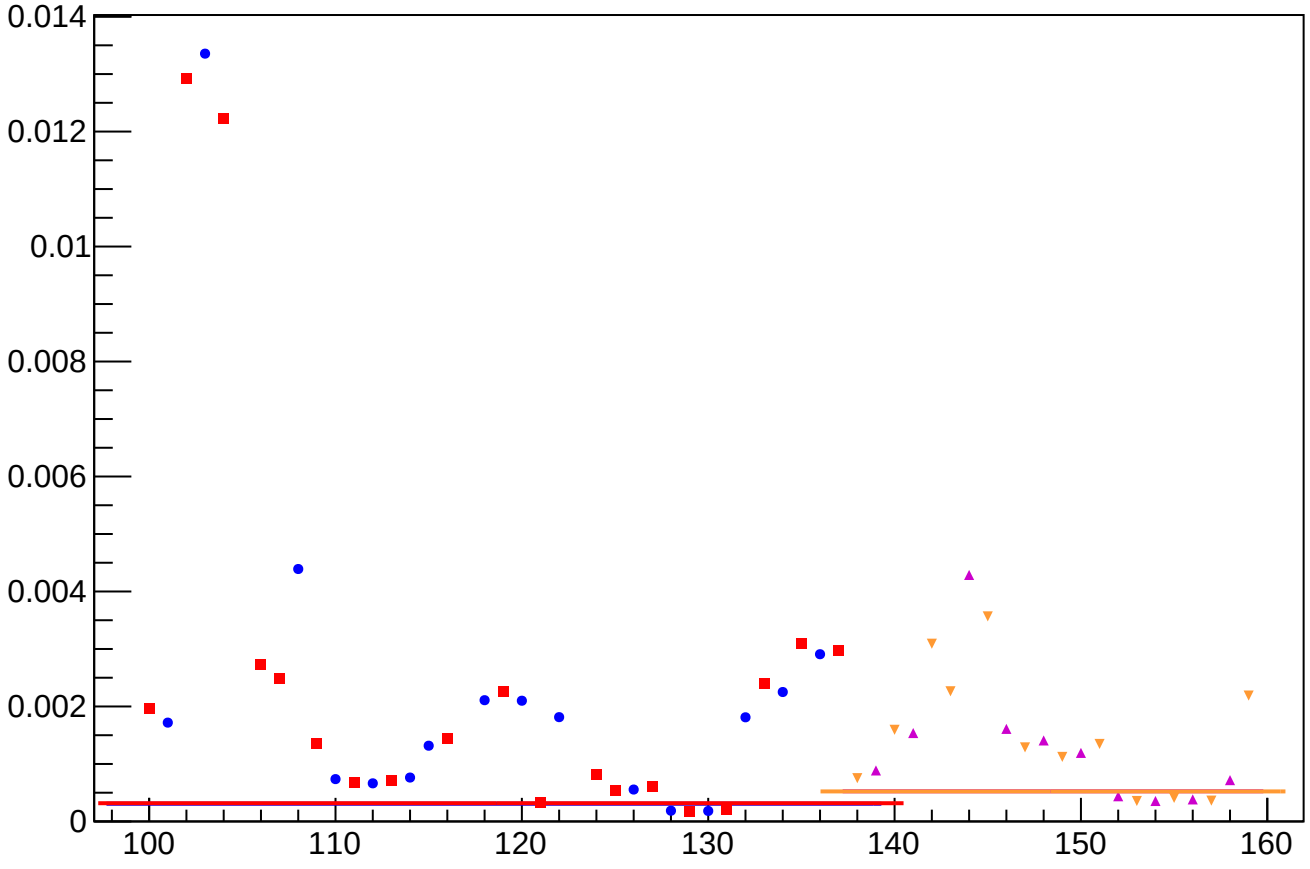
Left In: 0.000+/-0.000 χ^2/NDF:7.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 46.1/27

All: 0.000+/-0.000 χ^2/NDF: 73.1/56

- sign -0.000+/-0.000 χ^2/NDF: 24.9/28

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

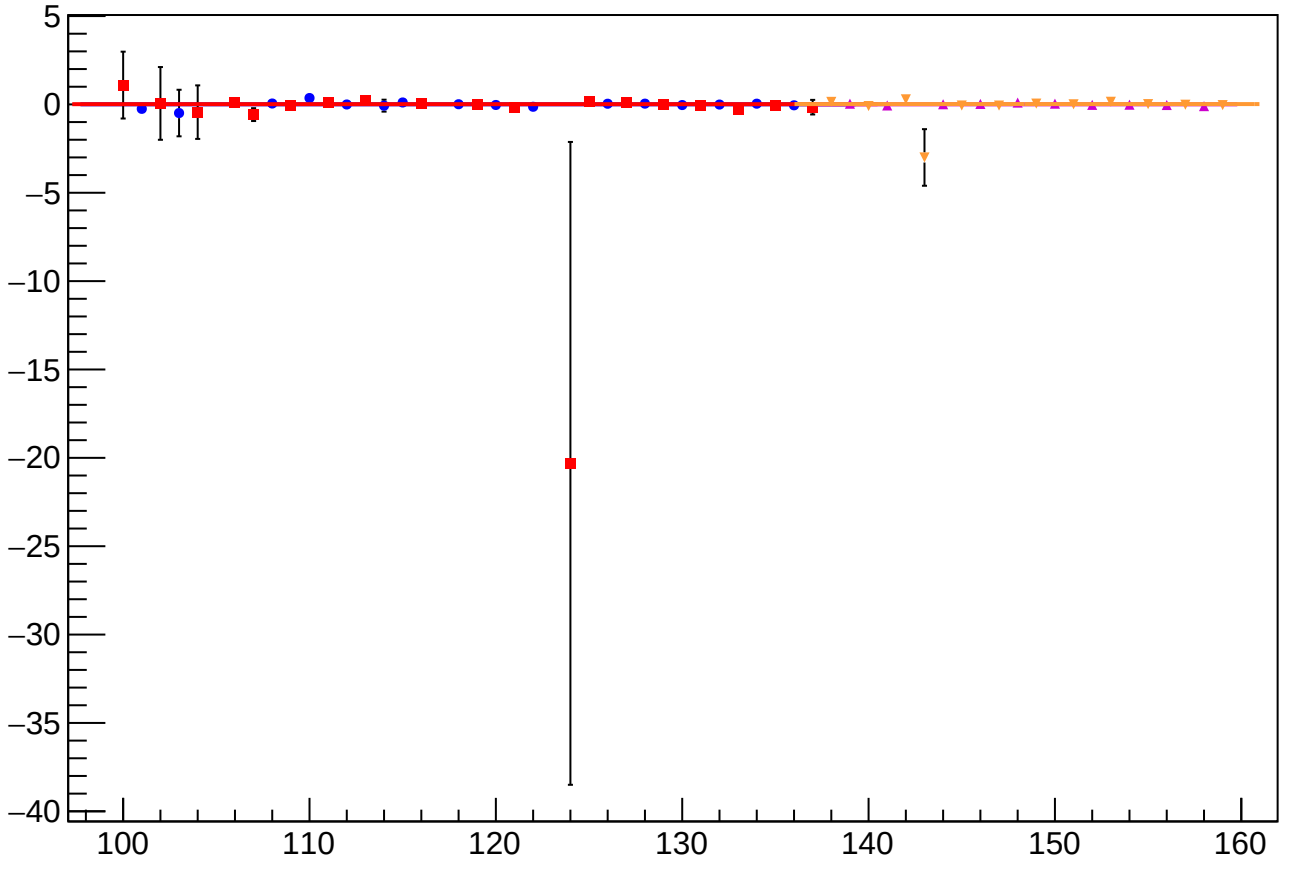
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:5023613.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 16652309.3/27

All: 0.000+/-0.000 χ^2/NDF: 30655202.8/56

- sign 0.000+/-0.000 χ^2/NDF: 14002891.1/28



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

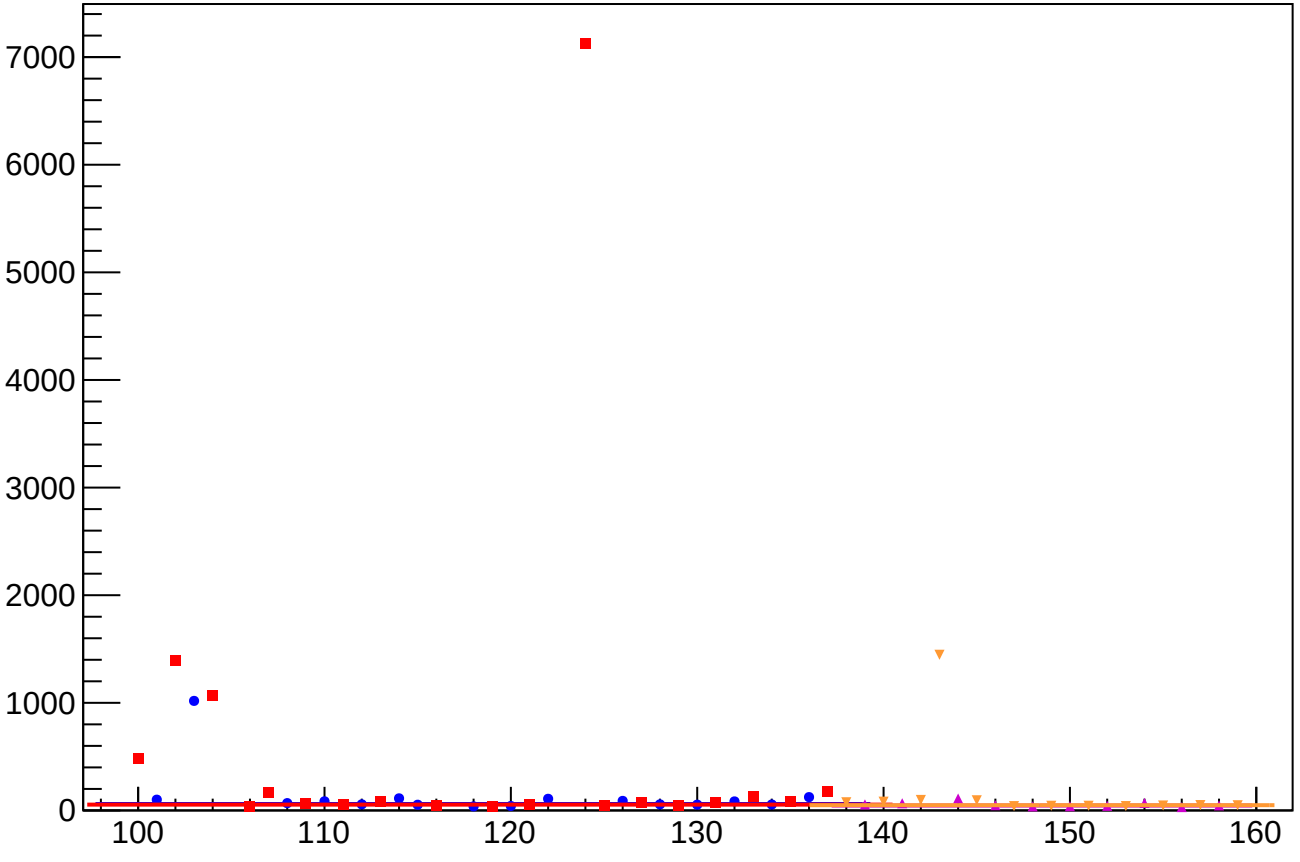
Left In: 0.004+/-0.018 χ^2/NDF:11.2/9

+ sign 0.013+/-0.015 χ^2/NDF: 33.9/27

All: 0.010+/-0.011 χ^2/NDF: 63.0/56

- sign 0.007+/-0.015 χ^2/NDF: 28.9/28

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

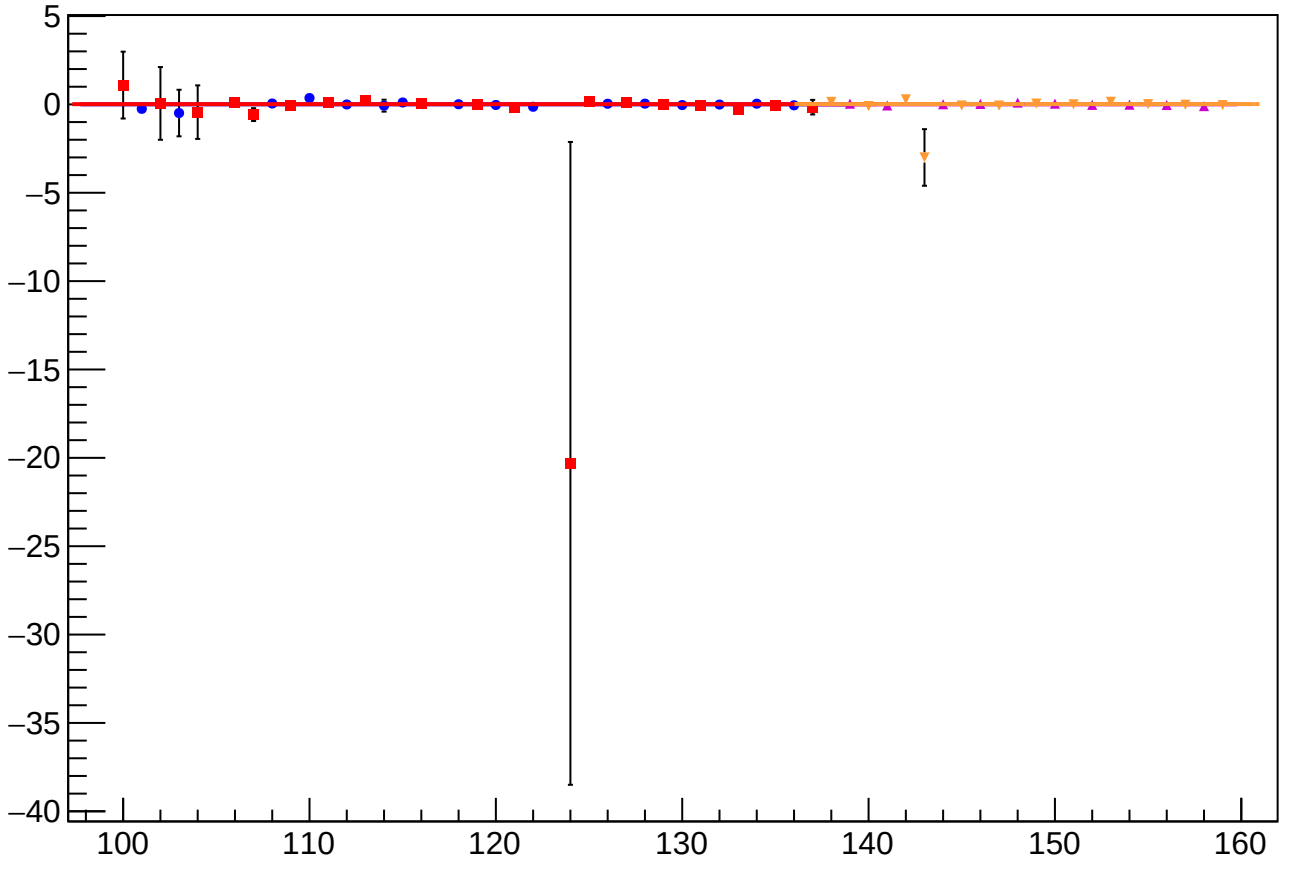
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.594+/-0.012 χ^2/NDF:1327634.0/9

+ sign 52.496+/-0.011 χ^2/NDF: 5384817.9/27

All: 50.312+/-0.007 χ^2/NDF: 10465782.8/56

- sign 48.334+/-0.010 χ^2/NDF: 5002914.1/28



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

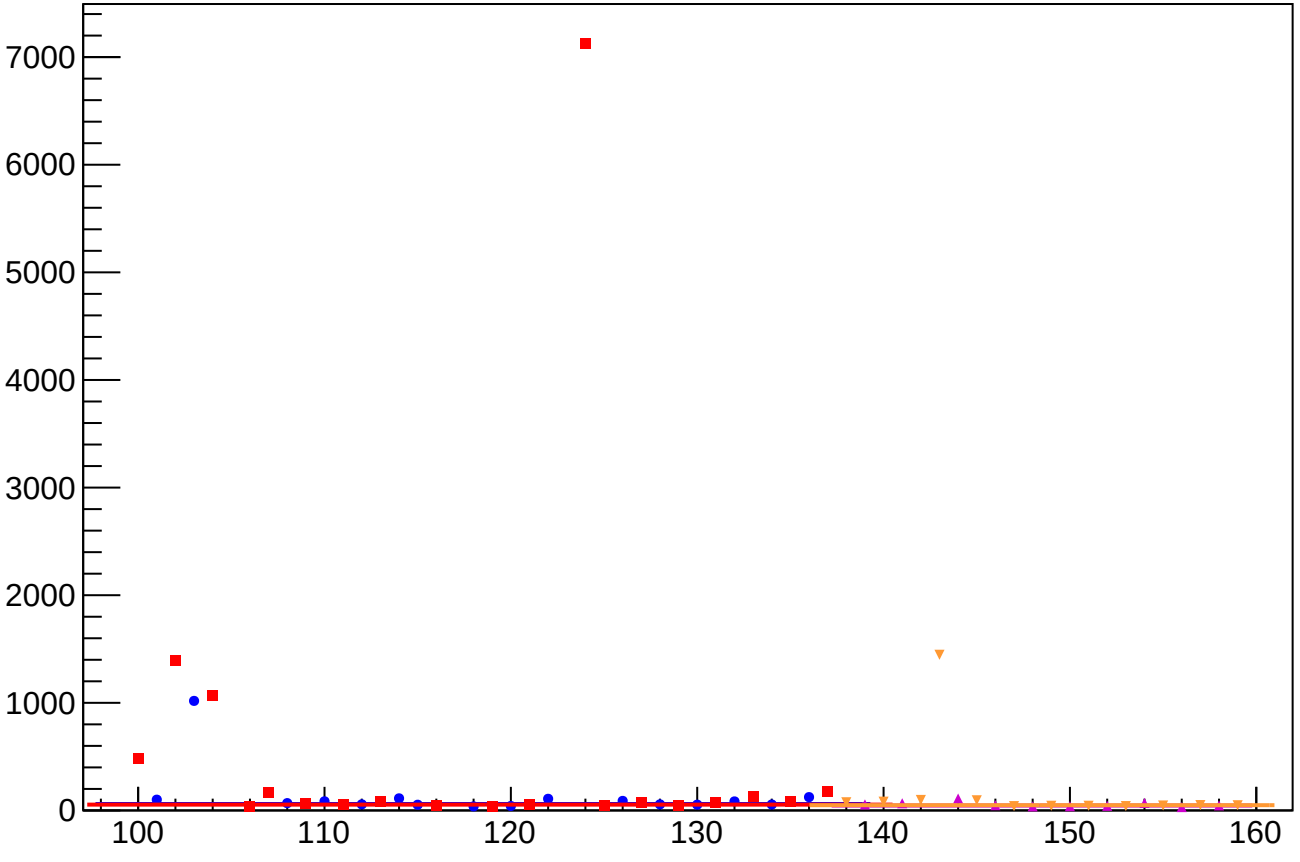
Left In: 0.004+/-0.018 χ^2/NDF:11.2/9

+ sign 0.013+/-0.015 χ^2/NDF: 33.9/27

All: 0.010+/-0.011 χ^2/NDF: 63.0/56

- sign 0.007+/-0.015 χ^2/NDF: 28.9/28

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

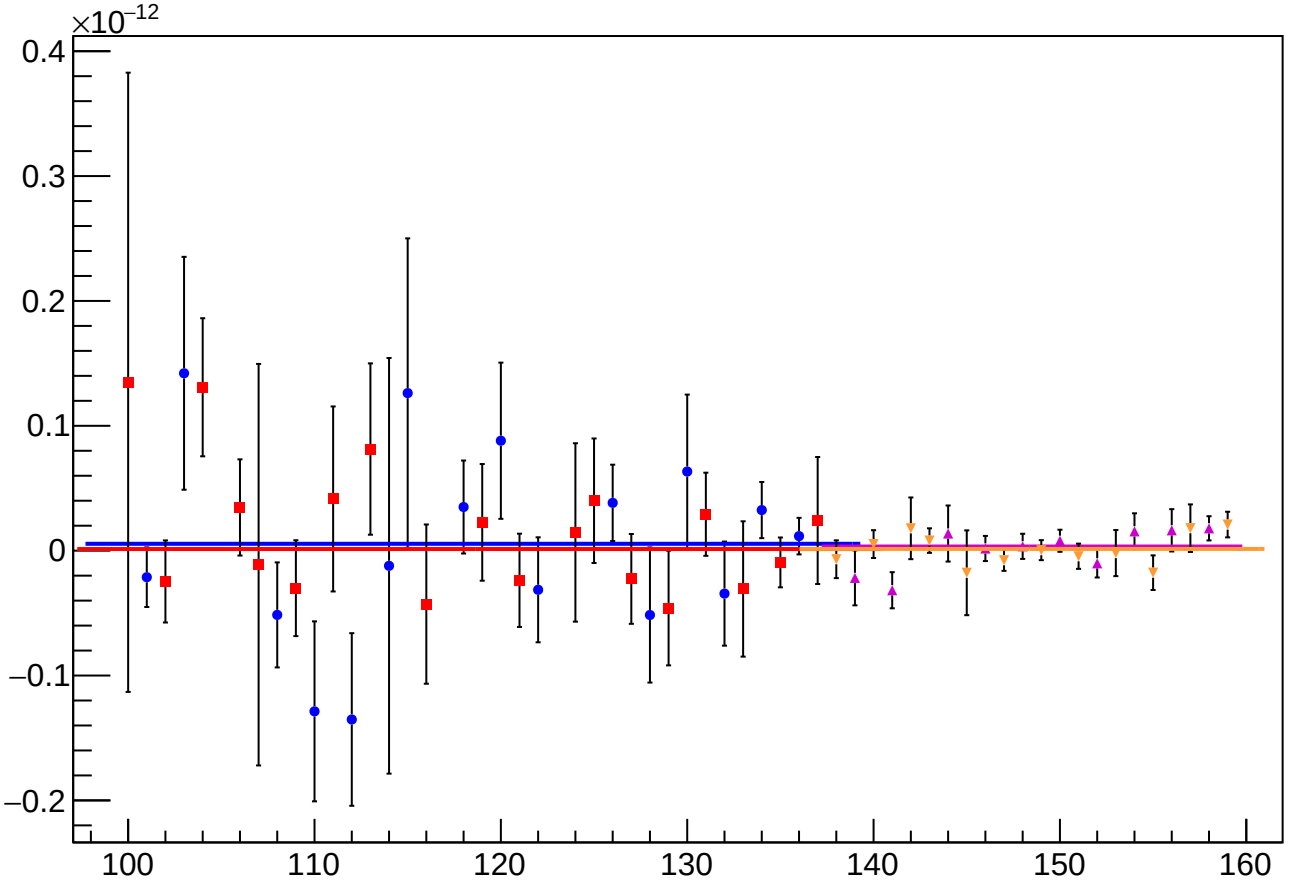
Left In: 45.594+/-0.012 χ^2/NDF:1327634.0/9

+ sign 52.496+/-0.011 χ^2/NDF: 5384817.9/27

All: 50.312+/-0.007 χ^2/NDF: 10465782.8/56

- sign 48.334+/-0.010 χ^2/NDF: 5002914.1/28

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

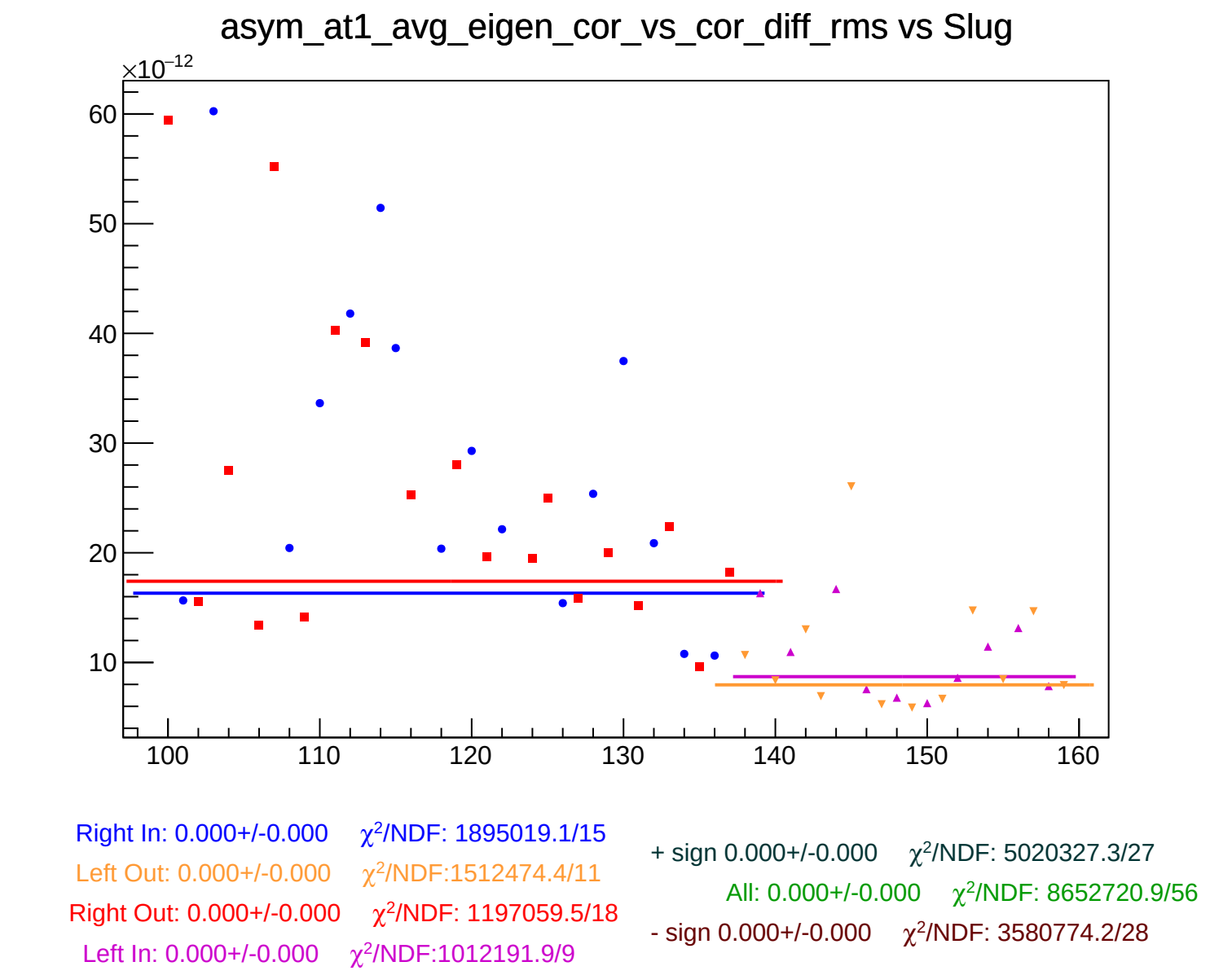
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

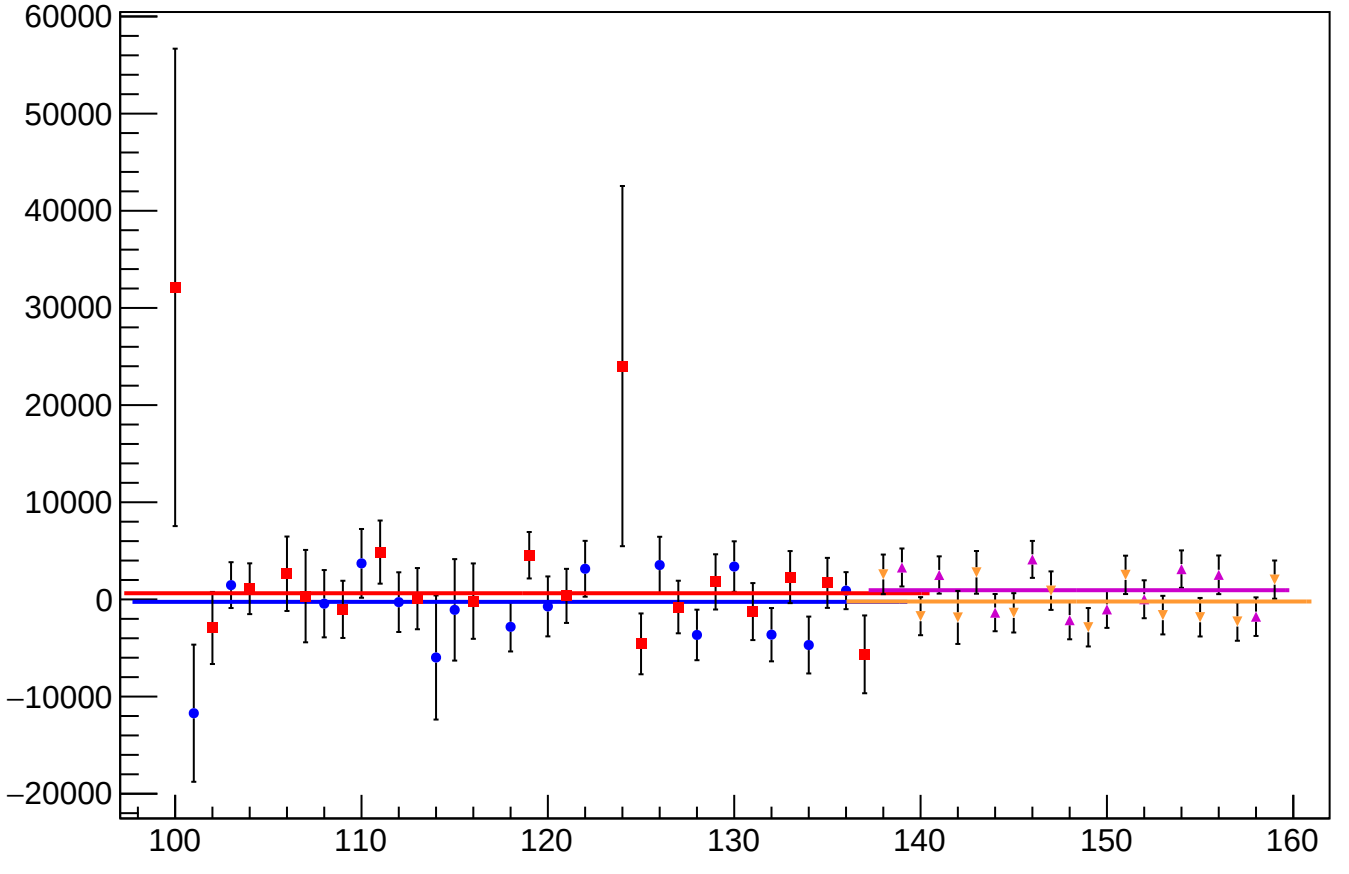
Left In: 0.000+/-0.000 χ^2/NDF:12.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/27

All: 0.000+/-0.000 χ^2/NDF: 59.2/56

- sign 0.000+/-0.000 χ^2/NDF: 27.0/28


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:1012191.9/9
+ sign 0.000+/-0.000 χ²/NDF: 5020327.3/27
All: 0.000+/-0.000 χ²/NDF: 8652720.9/56
- sign 0.000+/-0.000 χ²/NDF: 3580774.2/28



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

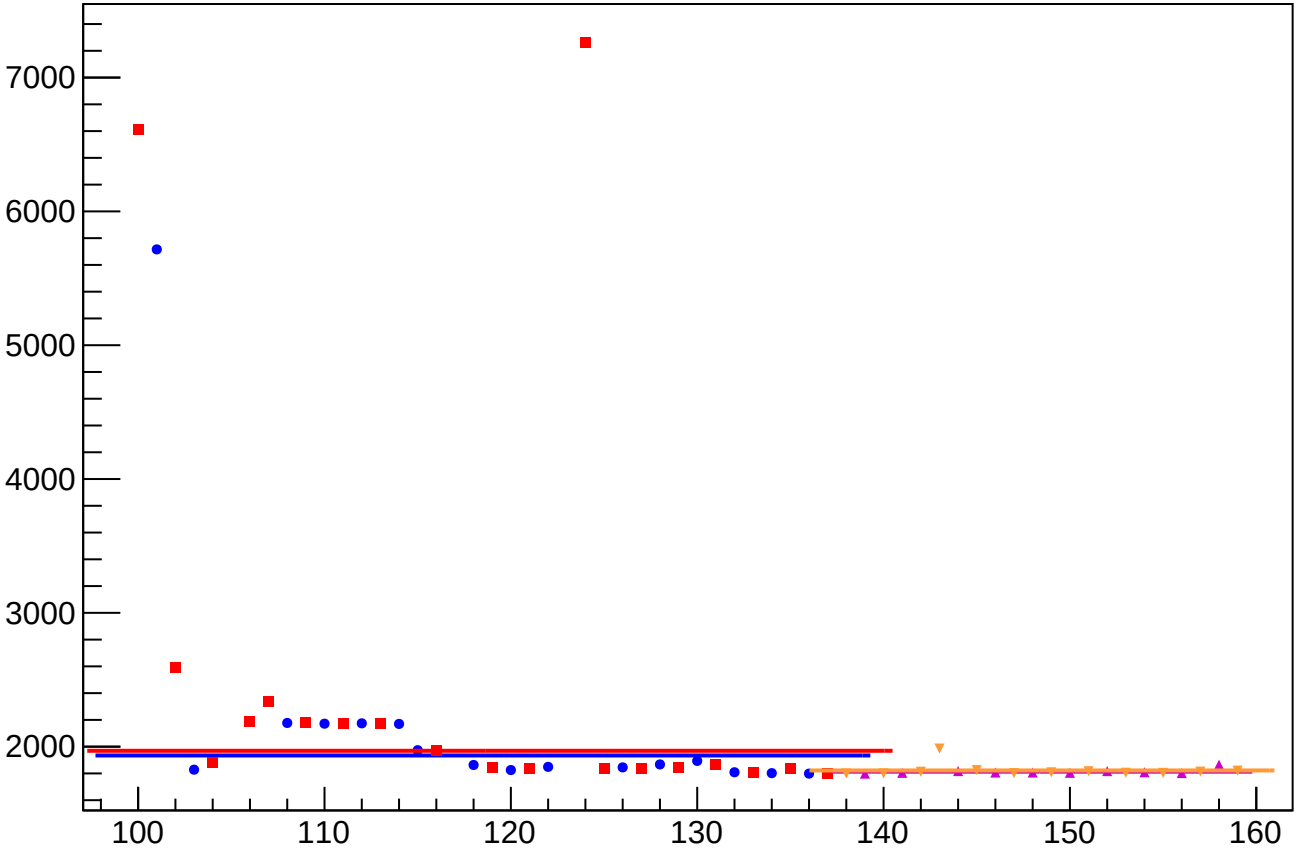
Left In: 947.166+/-613.856 χ^2/NDF:13.9/9

+ sign -228.948+/-460.052 χ^2/NDF: 29.9/27

All: 282.613+/-329.202 χ^2/NDF: 62.3/56

- sign 819.437+/-471.275 χ^2/NDF: 29.9/28

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

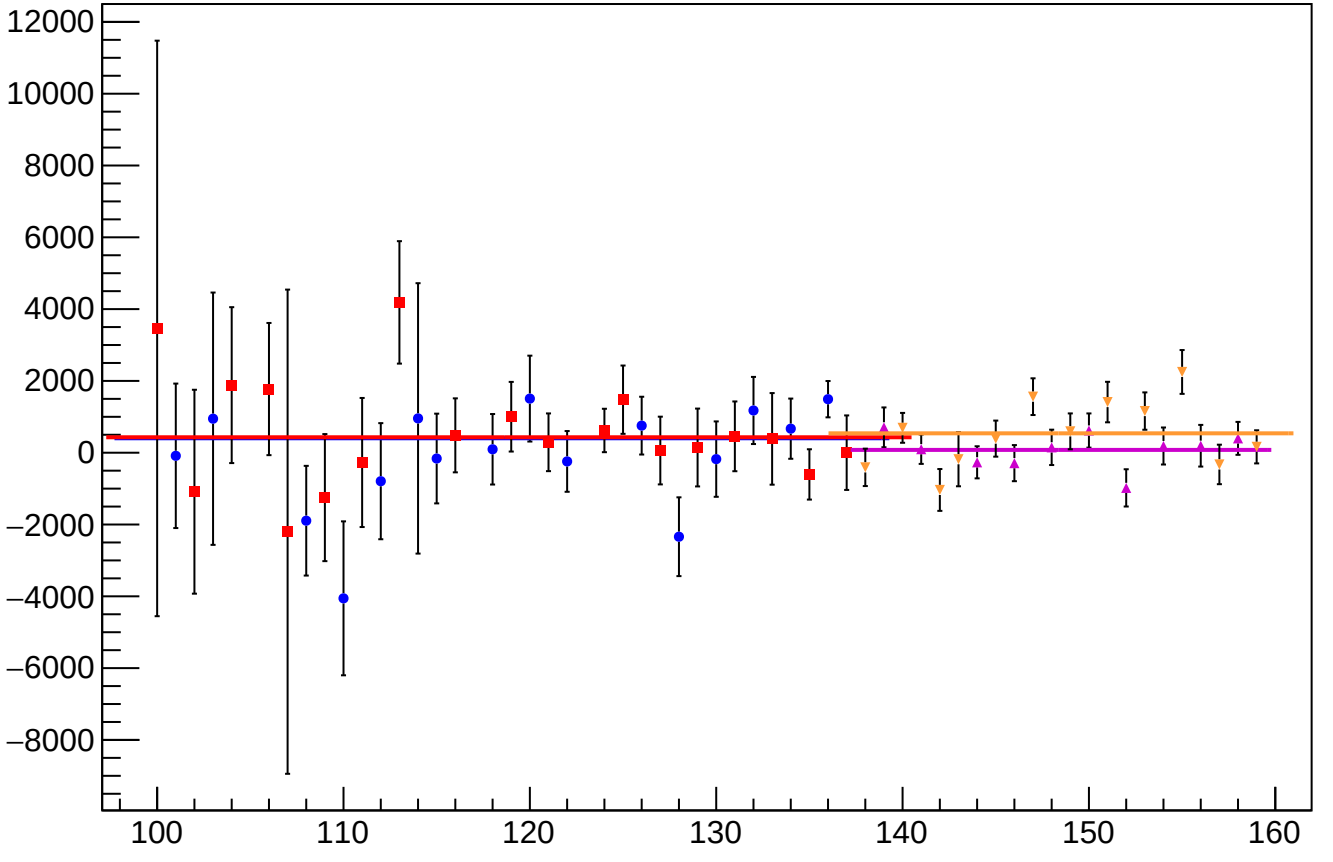
Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

+ sign 1866.067+/-0.325 χ^2/NDF: 680474.9/27

All: 1871.514+/-0.233 χ^2/NDF: 1114194.4/56

- sign 1877.231+/-0.333 χ^2/NDF: 433144.8/28

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

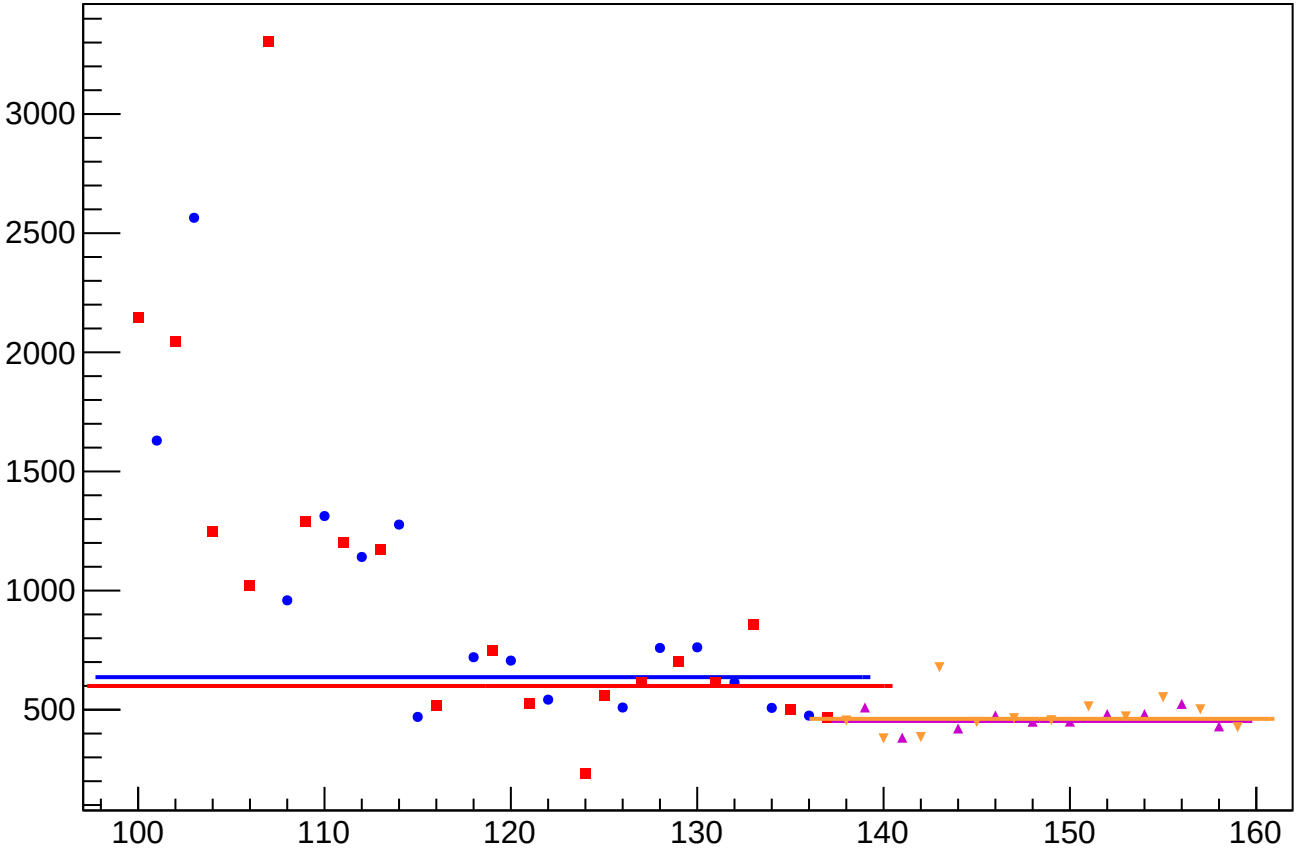
Left In: 78.318+/-154.490 χ^2/NDF:8.5/9

+ sign 504.920+/-130.799 χ^2/NDF: 51.9/27

All: 340.730+/-92.850 χ^2/NDF: 76.7/56

- sign 173.950+/-131.827 χ^2/NDF: 21.6/28

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

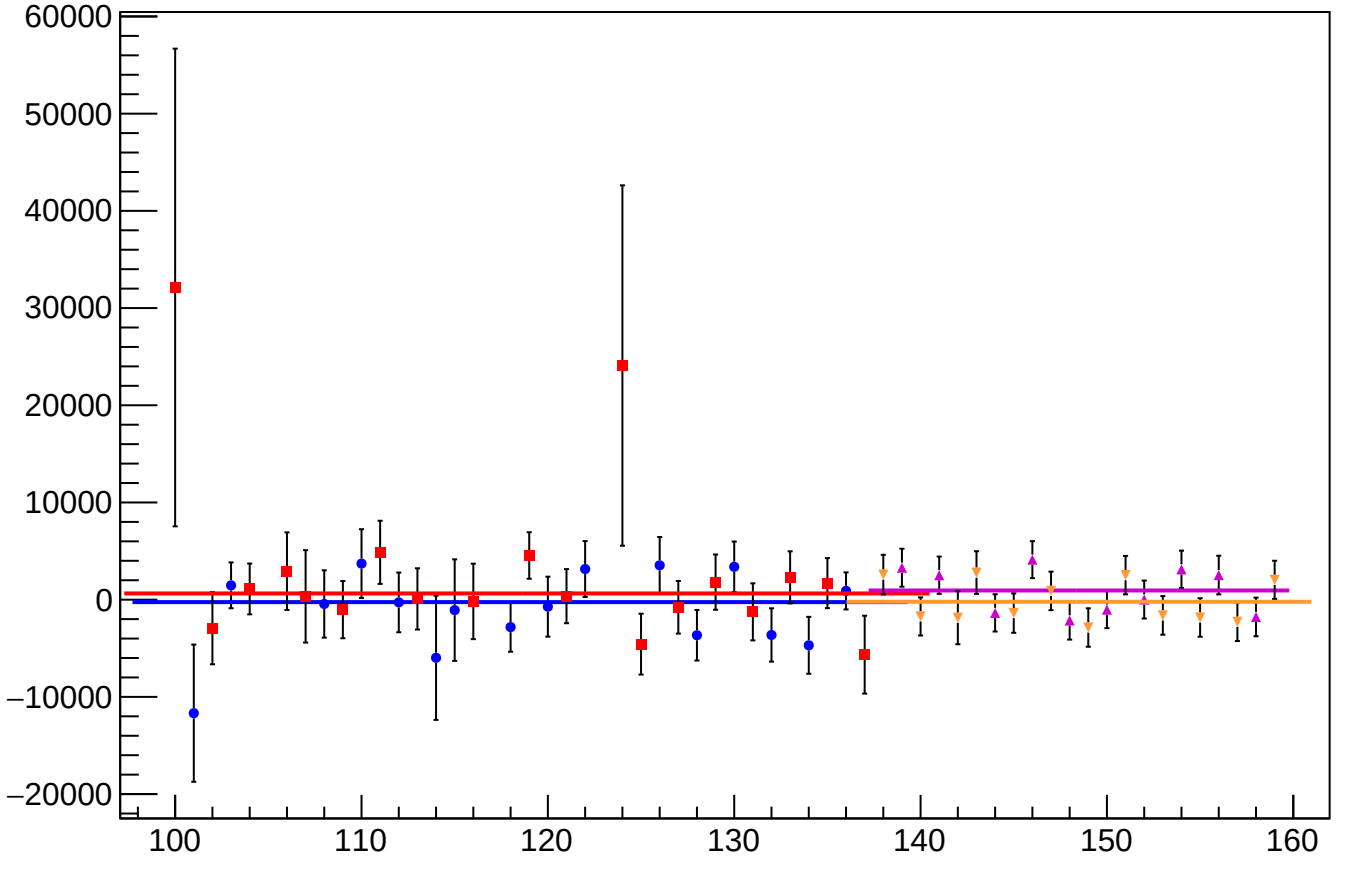
Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 452.837+/-0.109 χ^2/NDF:141547.3/9

+ sign 506.523+/-0.092 χ^2/NDF: 3111900.0/27

All: 499.689+/-0.066 χ^2/NDF: 6699481.7/56

- sign 492.747+/-0.093 χ^2/NDF: 3576575.6/28



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

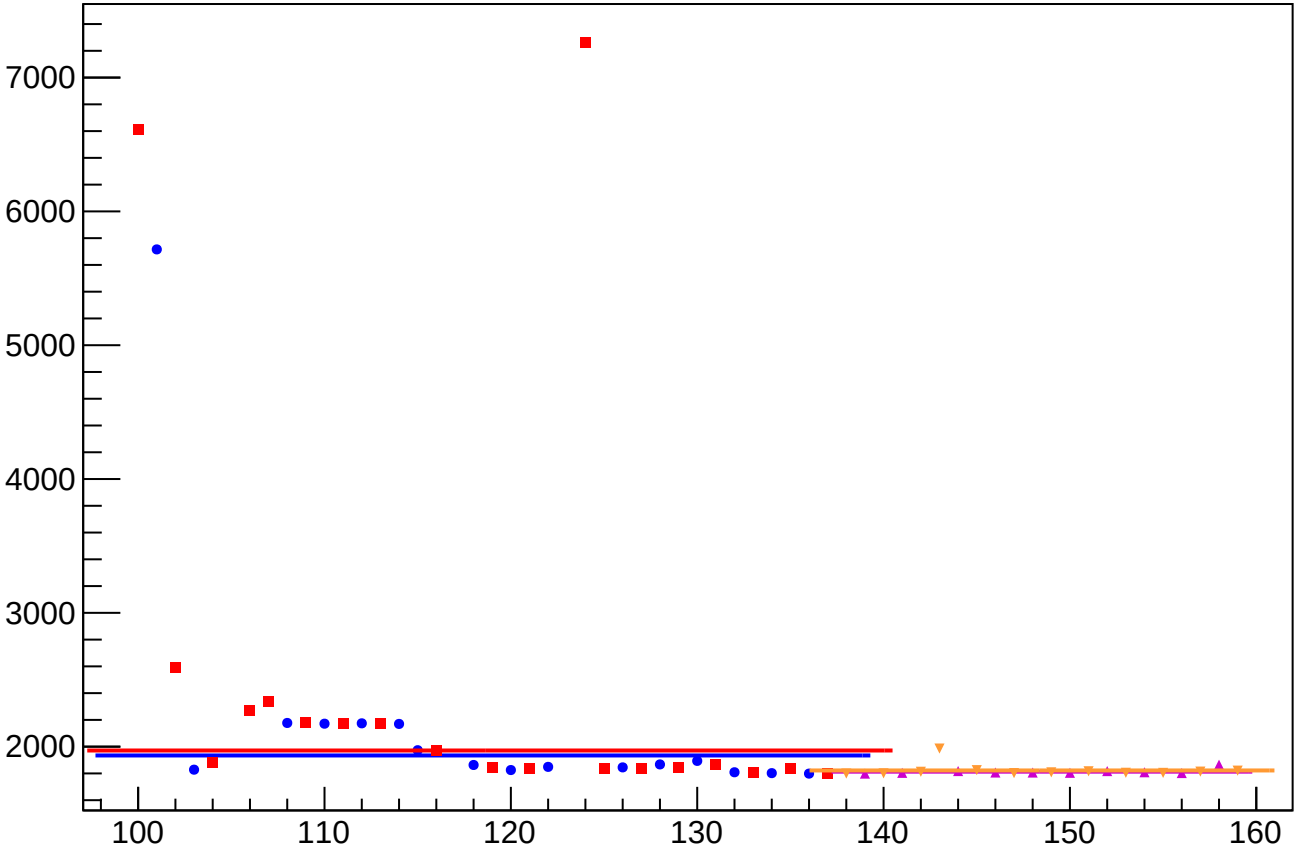
Left In: 947.114+/-613.856 χ^2/NDF:13.9/9

+ sign -228.676+/-460.052 χ^2/NDF: 29.9/27

All: 283.487+/-329.298 χ^2/NDF: 62.3/56

- sign 821.586+/-471.557 χ^2/NDF: 29.9/28

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

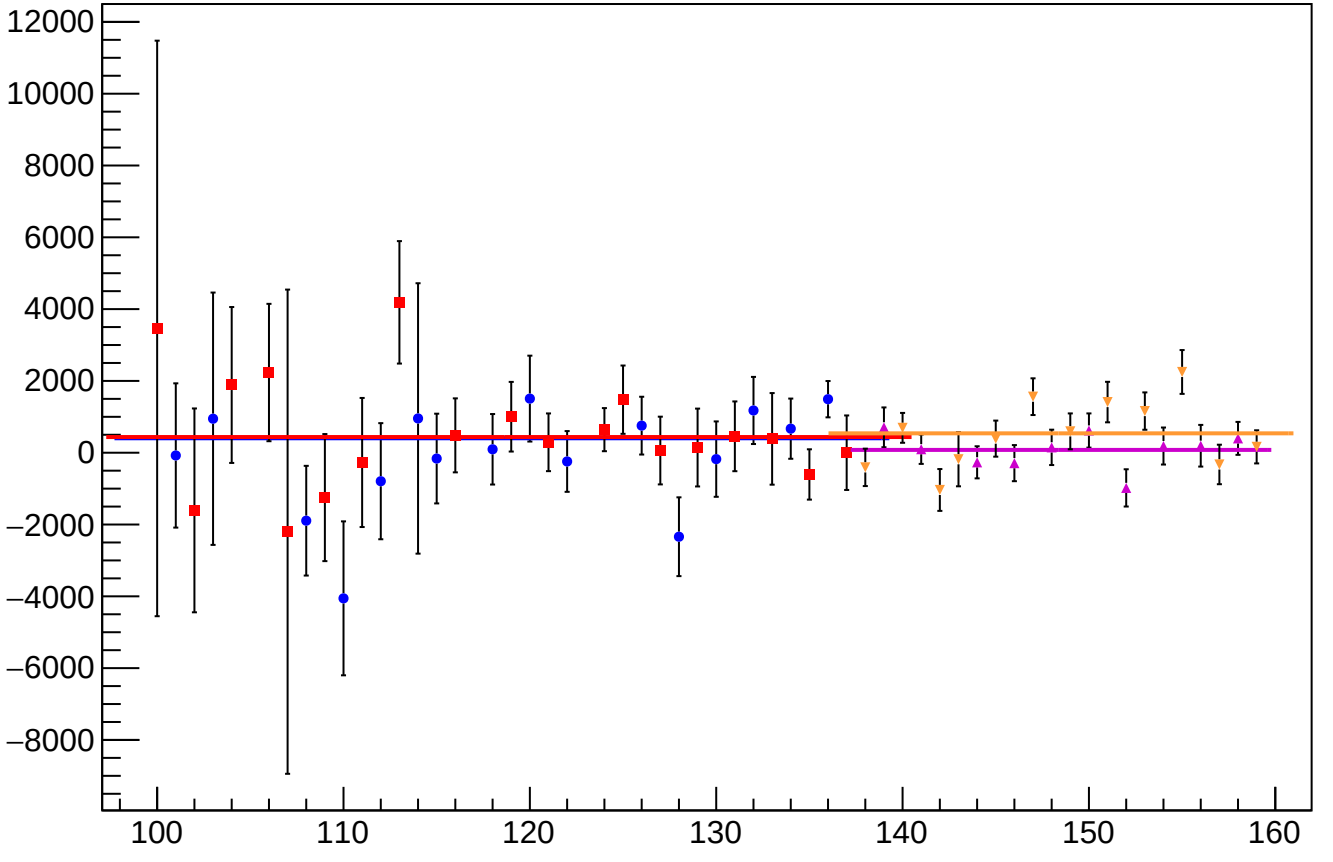
Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

+ sign 1866.067+/-0.325 χ^2/NDF: 680474.8/27

All: 1871.888+/-0.233 χ^2/NDF: 1120454.5/56

- sign 1878.003+/-0.333 χ^2/NDF: 439323.2/28

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

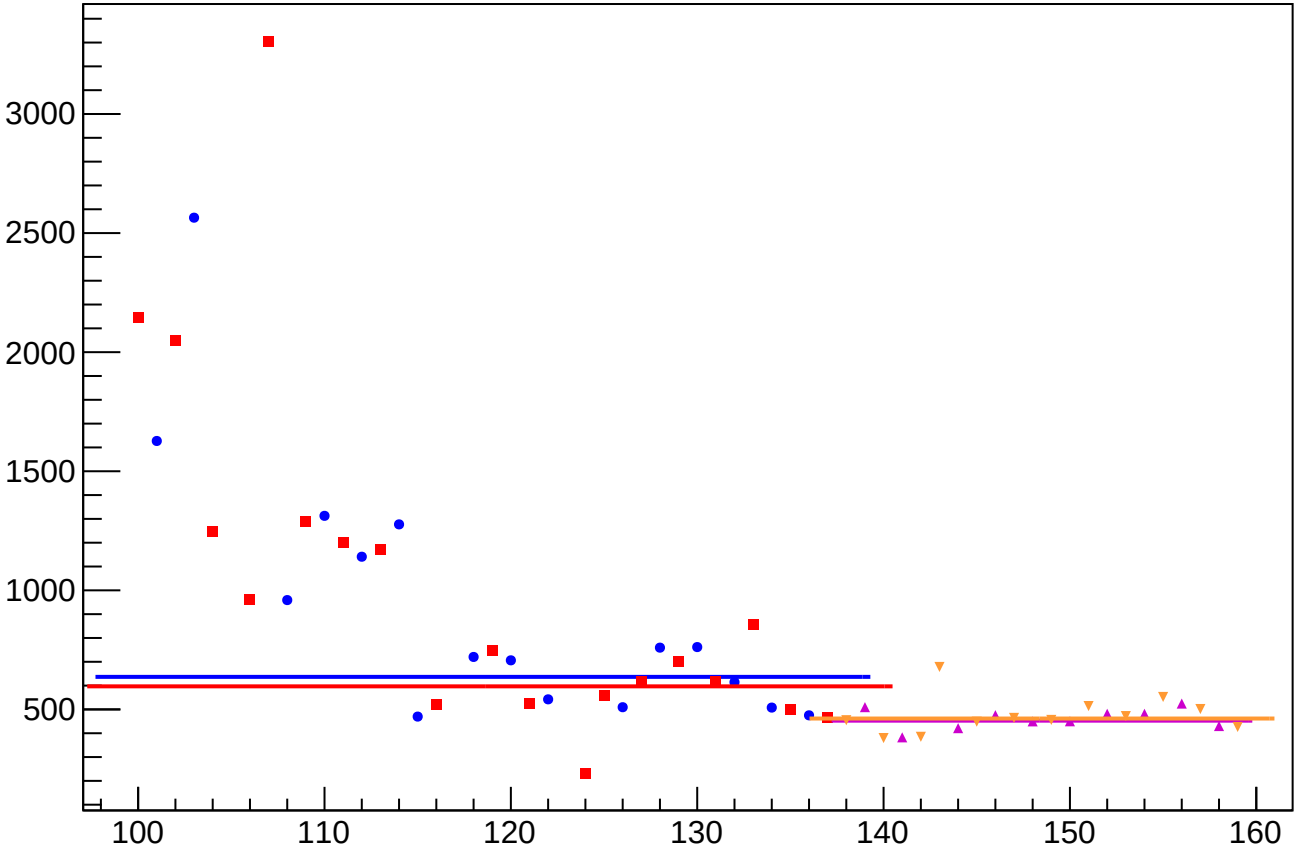
Left In: 78.304+/-154.489 χ^2/NDF:8.5/9

+ sign 504.856+/-130.798 χ^2/NDF: 51.9/27

All: 341.601+/-92.842 χ^2/NDF: 77.3/56

- sign 175.825+/-131.805 χ^2/NDF: 22.3/28

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

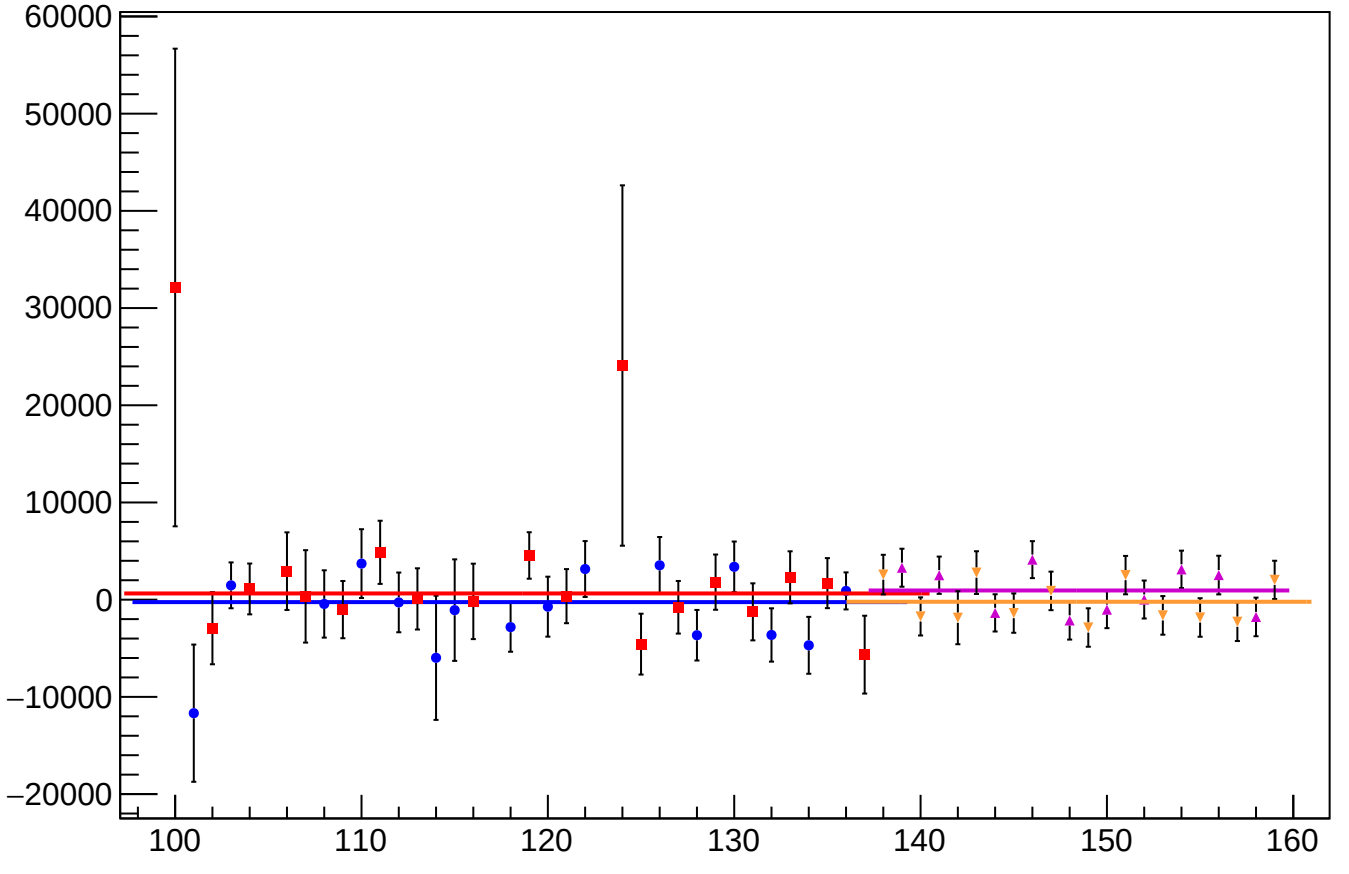
Left In: 452.833+/-0.109 χ^2/NDF:141551.4/9

+ sign 506.528+/-0.092 χ^2/NDF: 3110981.5/27

All: 499.332+/-0.066 χ^2/NDF: 6668192.5/56

- sign 492.025+/-0.093 χ^2/NDF: 3545011.4/28

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

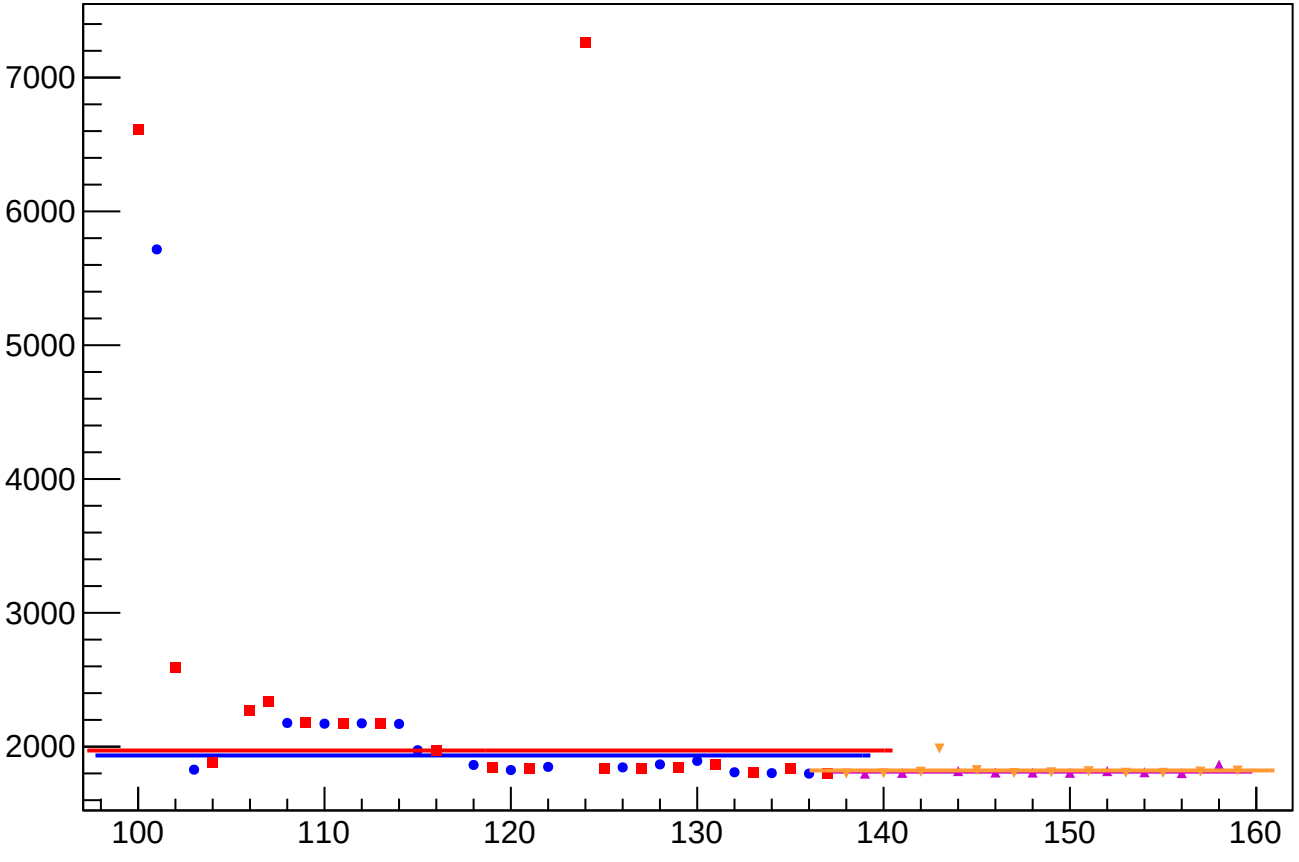
Left In: 947.114+/-613.856 χ^2/NDF:13.9/9

+ sign -228.676+/-460.052 χ^2/NDF: 29.9/27

All: 283.487+/-329.298 χ^2/NDF: 62.3/56

- sign 821.586+/-471.557 χ^2/NDF: 29.9/28

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

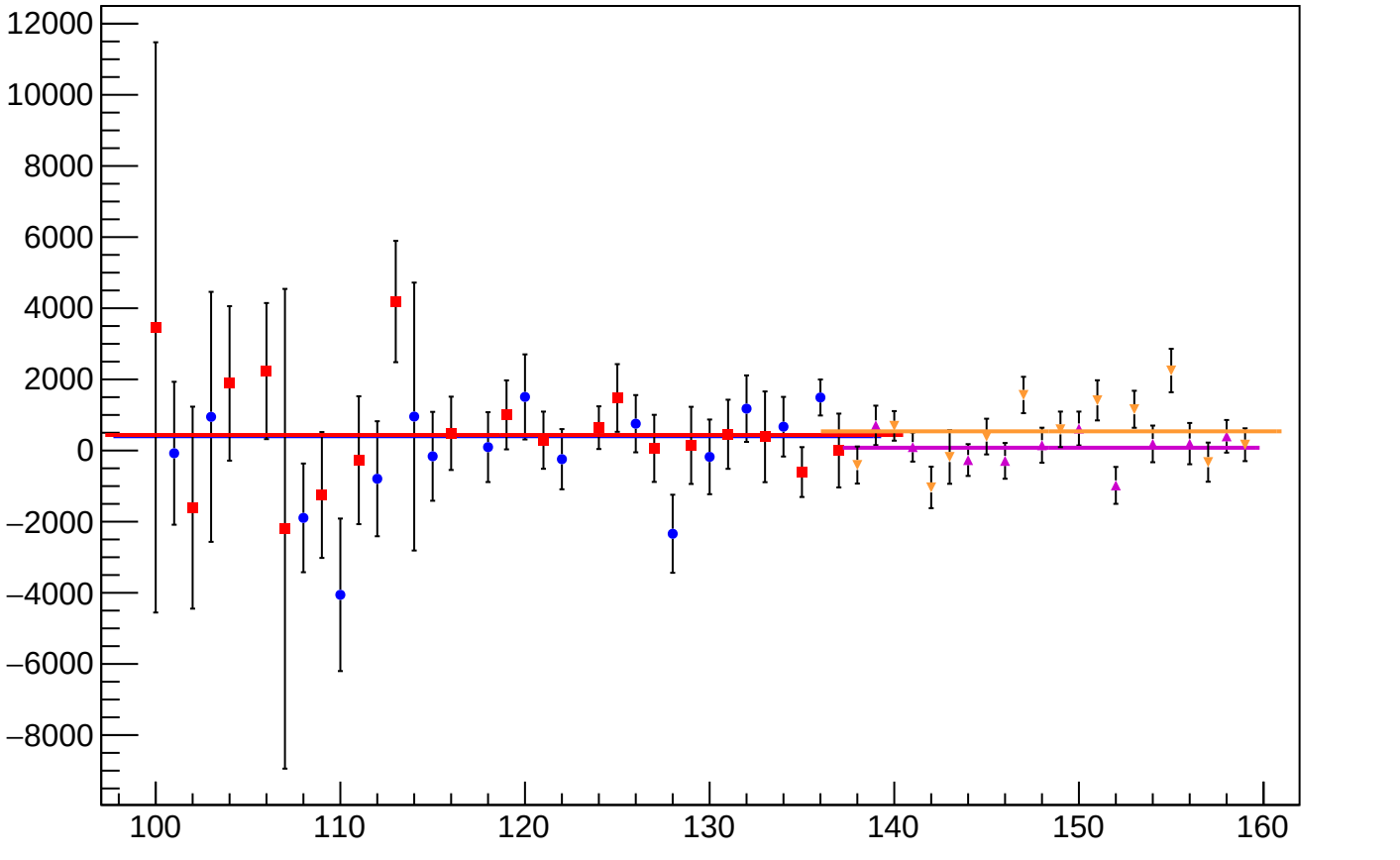
Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1813.160+/-0.434 χ^2/NDF:1701.5/9

+ sign 1866.067+/-0.325 χ^2/NDF: 680474.8/27

All: 1871.888+/-0.233 χ^2/NDF: 1120454.5/56

- sign 1878.003+/-0.333 χ^2/NDF: 439323.2/28



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 539.988+/-151.630 χ^2/NDF:30.6/11

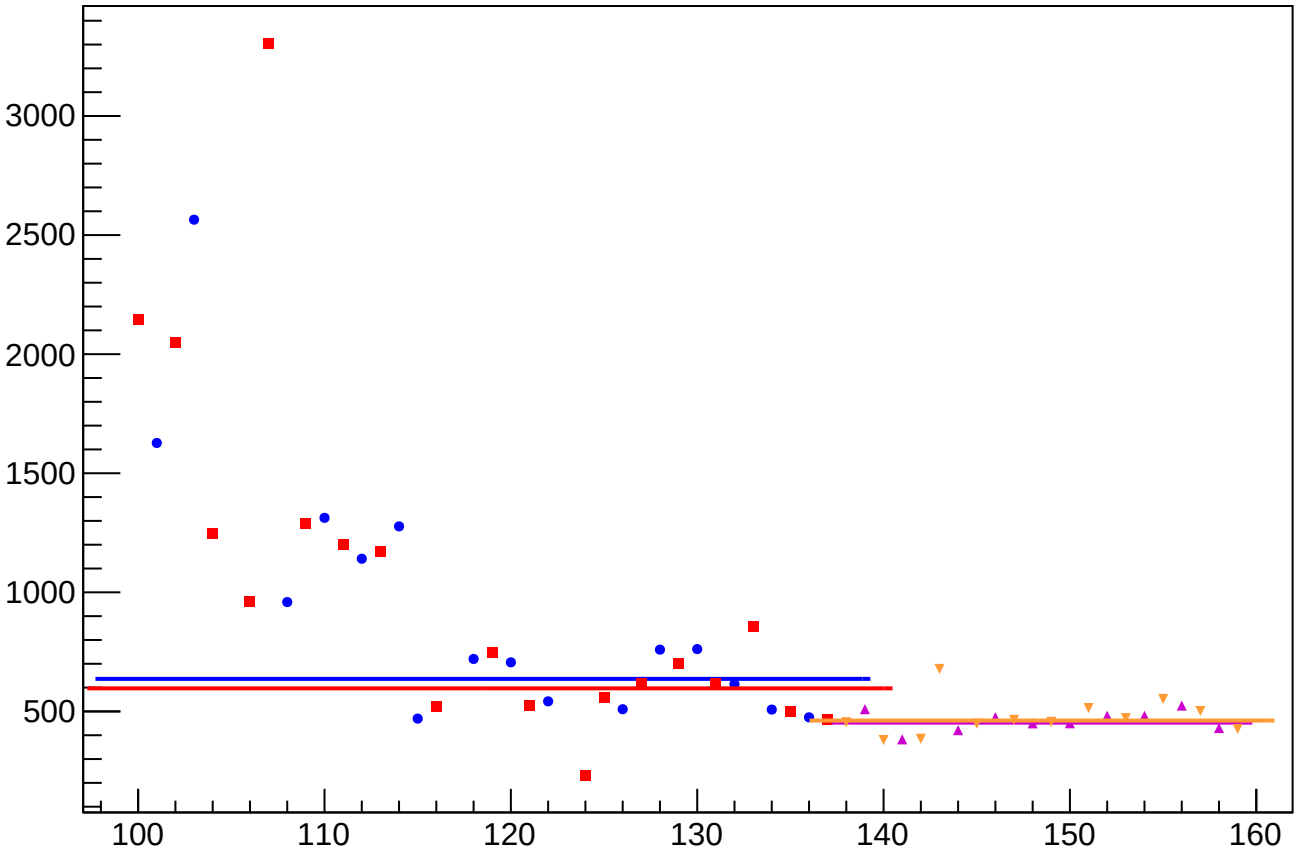
Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 78.304+/-154.489 χ^2/NDF:8.5/9

+ sign 504.856+/-130.798 χ^2/NDF: 51.9/27

All: 341.601+/-92.842 χ^2/NDF: 77.3/56

- sign 175.825+/-131.805 χ^2/NDF: 22.3/28



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 461.762+/-0.107 χ^2/NDF:363739.1/11

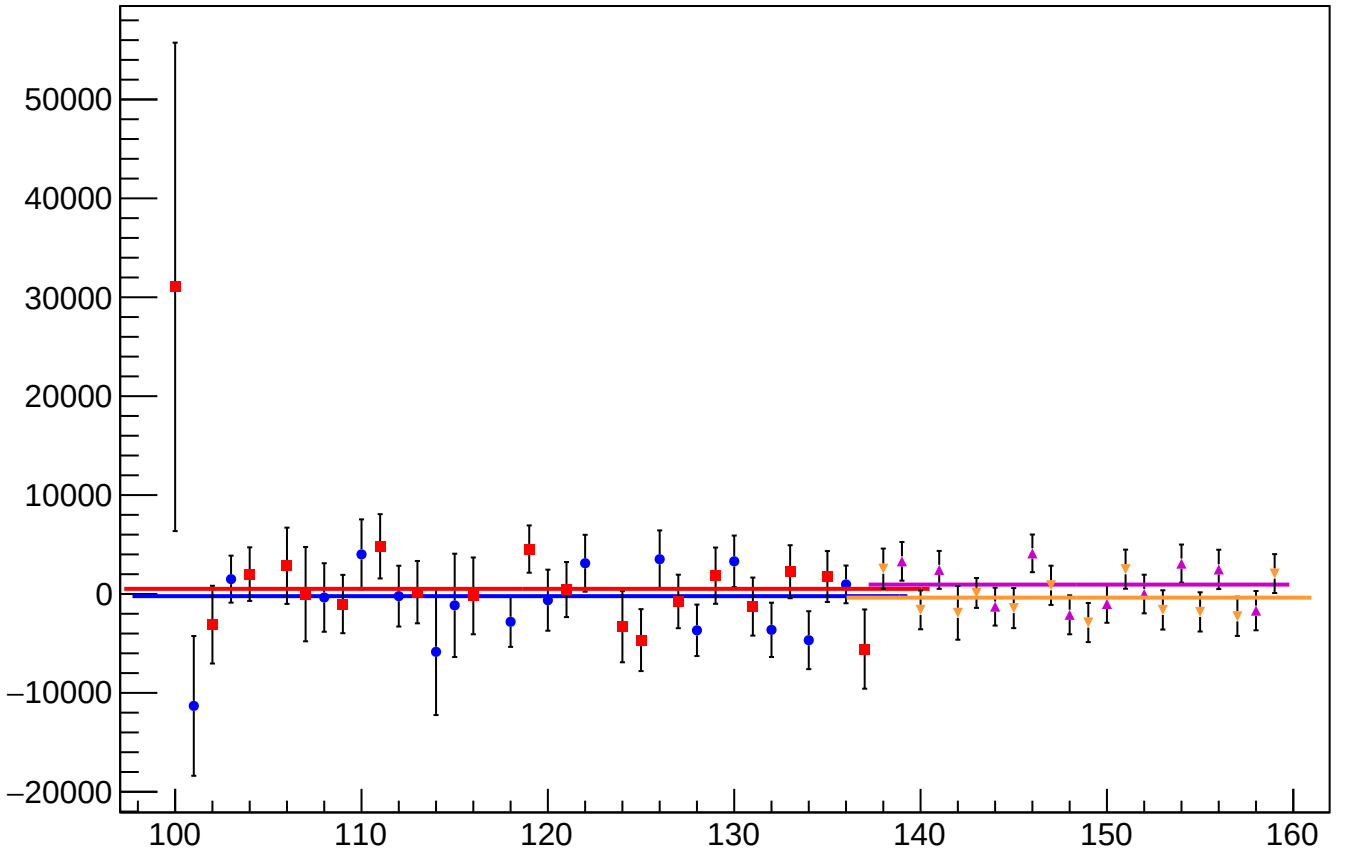
Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 452.833+/-0.109 χ^2/NDF:141551.4/9

+ sign 506.528+/-0.092 χ^2/NDF: 3110981.5/27

All: 499.332+/-0.066 χ^2/NDF: 6668192.5/56

- sign 492.025+/-0.093 χ^2/NDF: 3545011.4/28



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

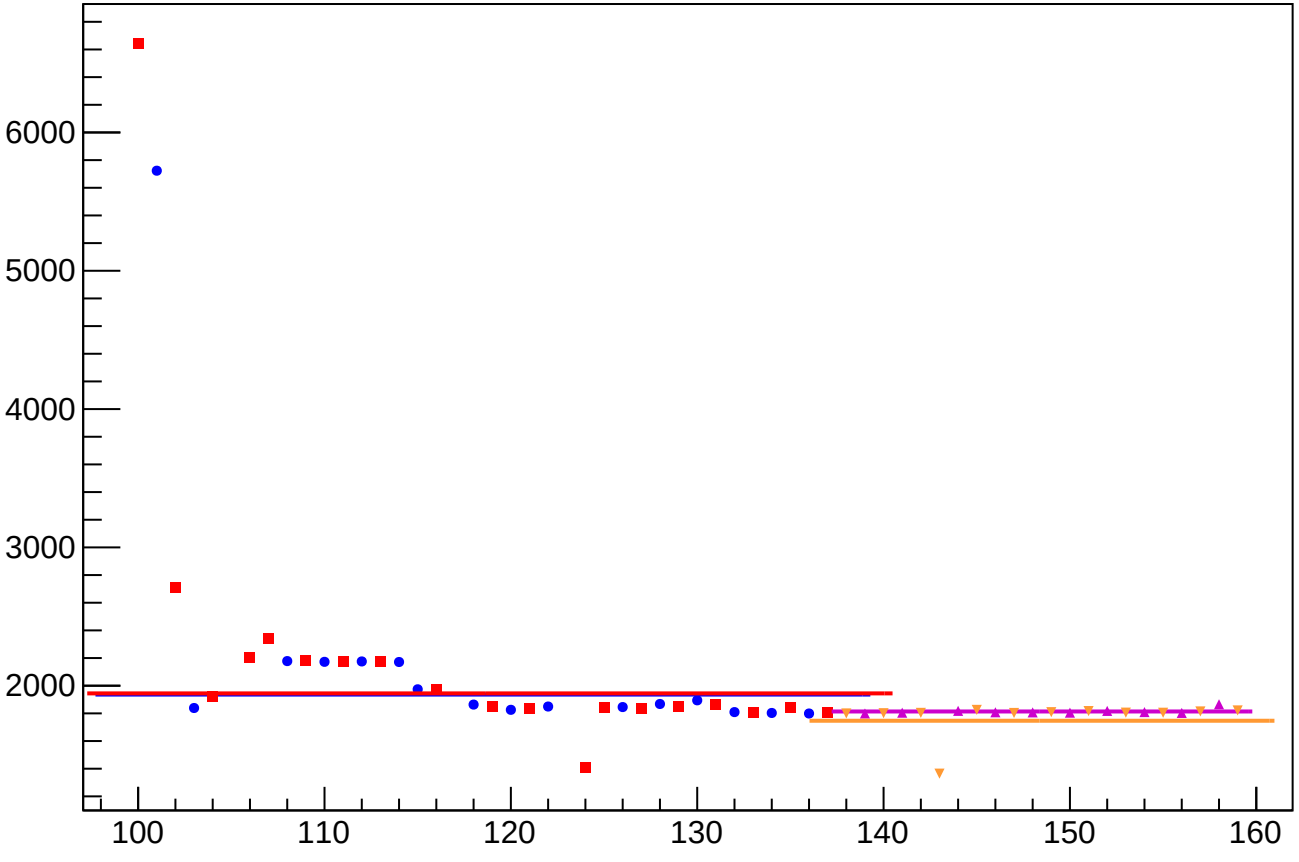
Left In: 949.547+/-614.058 χ^2/NDF:13.4/9

+ sign -313.821+/-449.372 χ^2/NDF: 27.8/27

All: 205.542+/-324.328 χ^2/NDF: 59.8/56

- sign 770.224+/-468.568 χ^2/NDF: 29.2/28

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

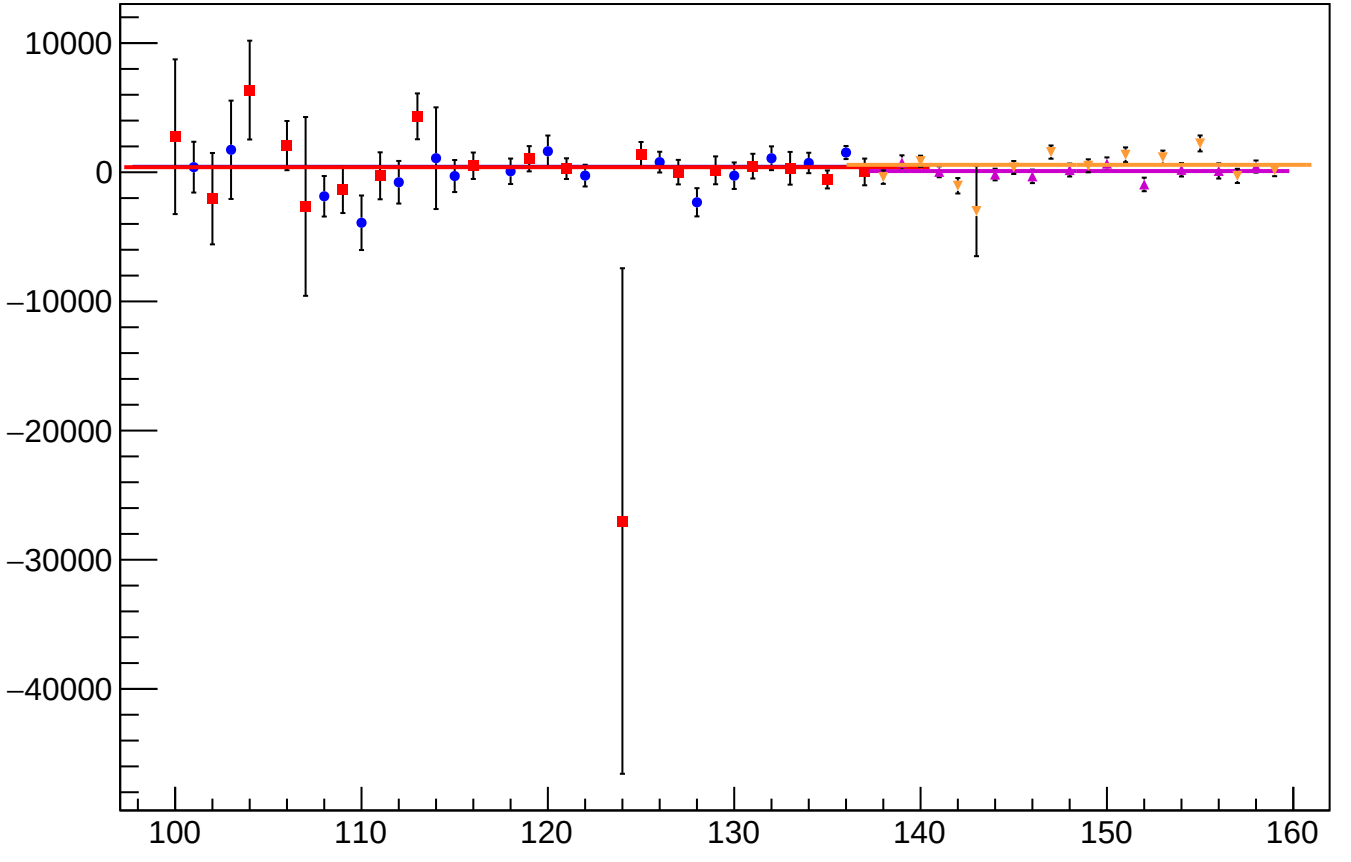
Left In: 1813.755+/-0.434 χ^2/NDF:1697.4/9

+ sign 1817.272+/-0.318 χ^2/NDF: 872573.2/27

All: 1841.752+/-0.229 χ^2/NDF: 1200755.2/56

- sign 1868.369+/-0.331 χ^2/NDF: 315793.3/28

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

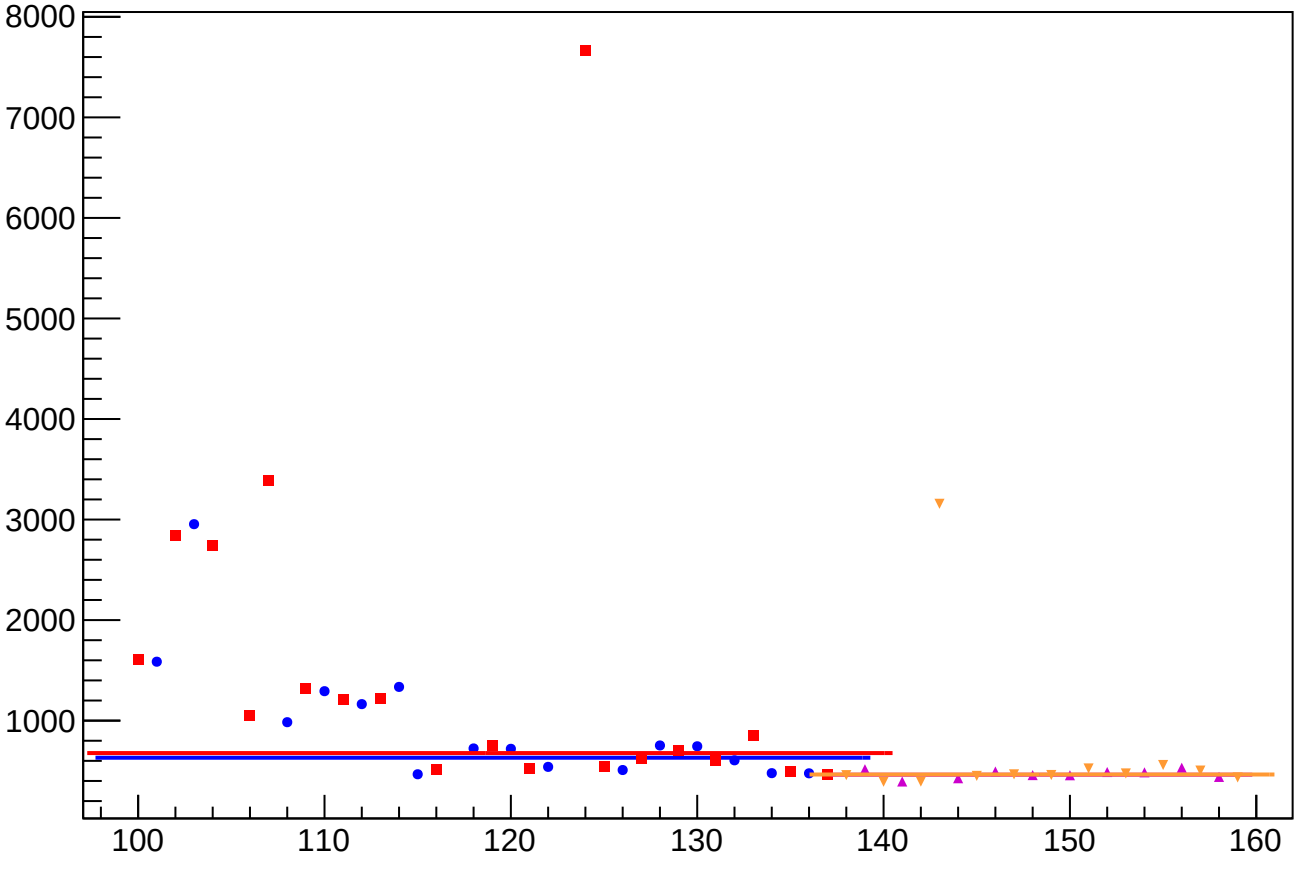
Left In: 92.364+/-157.400 χ^2/NDF:8.3/9

\+ sign 533.022+/-133.656 χ^2/NDF: 51.2/27

All: 353.701+/-95.722 χ^2/NDF: 79.9/56

\- sign 164.868+/-137.155 χ^2/NDF: 25.0/28

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

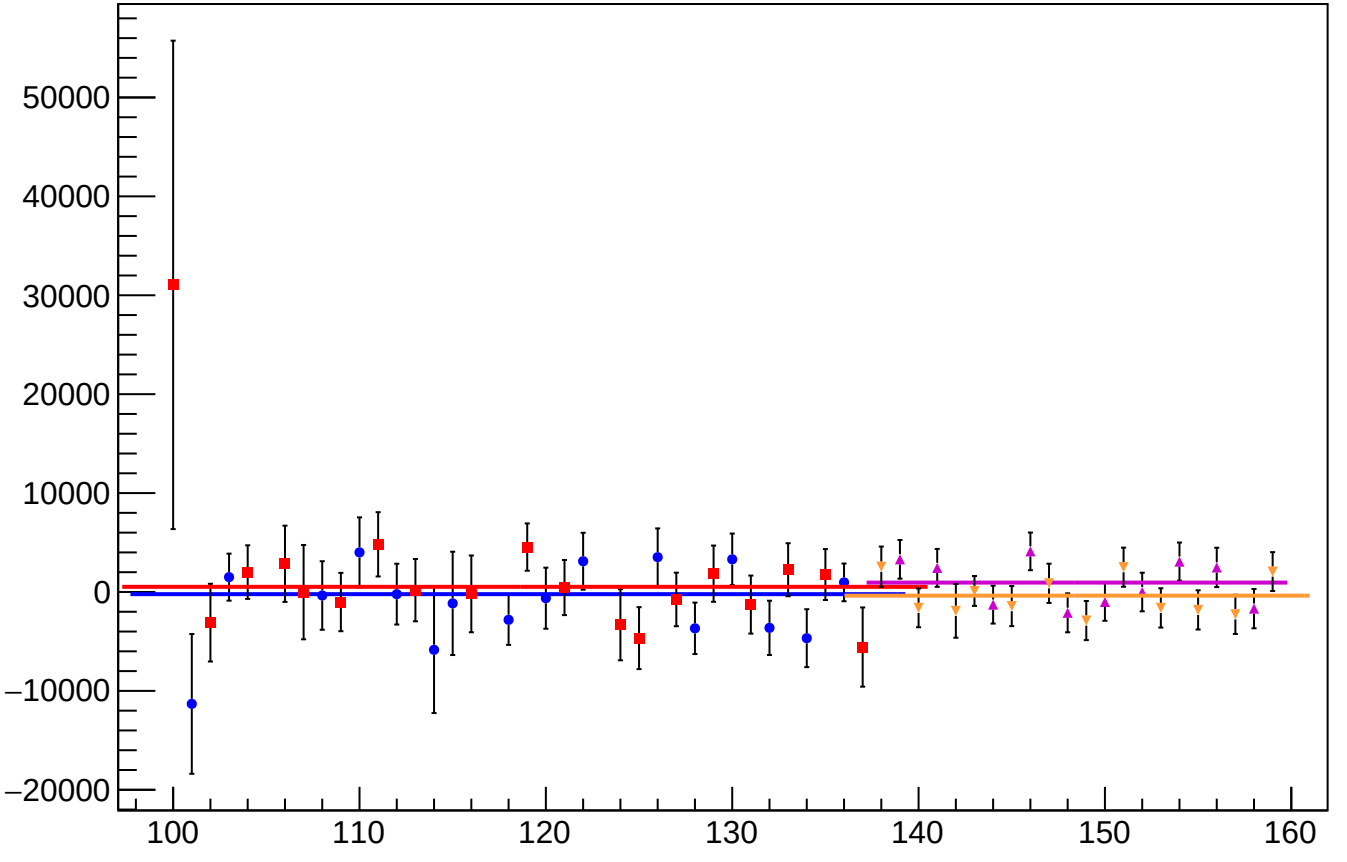
Left In: 461.943+/-0.111 χ^2/NDF:131422.4/9

+ sign 509.493+/-0.095 χ^2/NDF: 4212283.2/27

All: 511.597+/-0.068 χ^2/NDF: 8328611.1/56

- sign 513.812+/-0.097 χ^2/NDF: 4115310.8/28

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

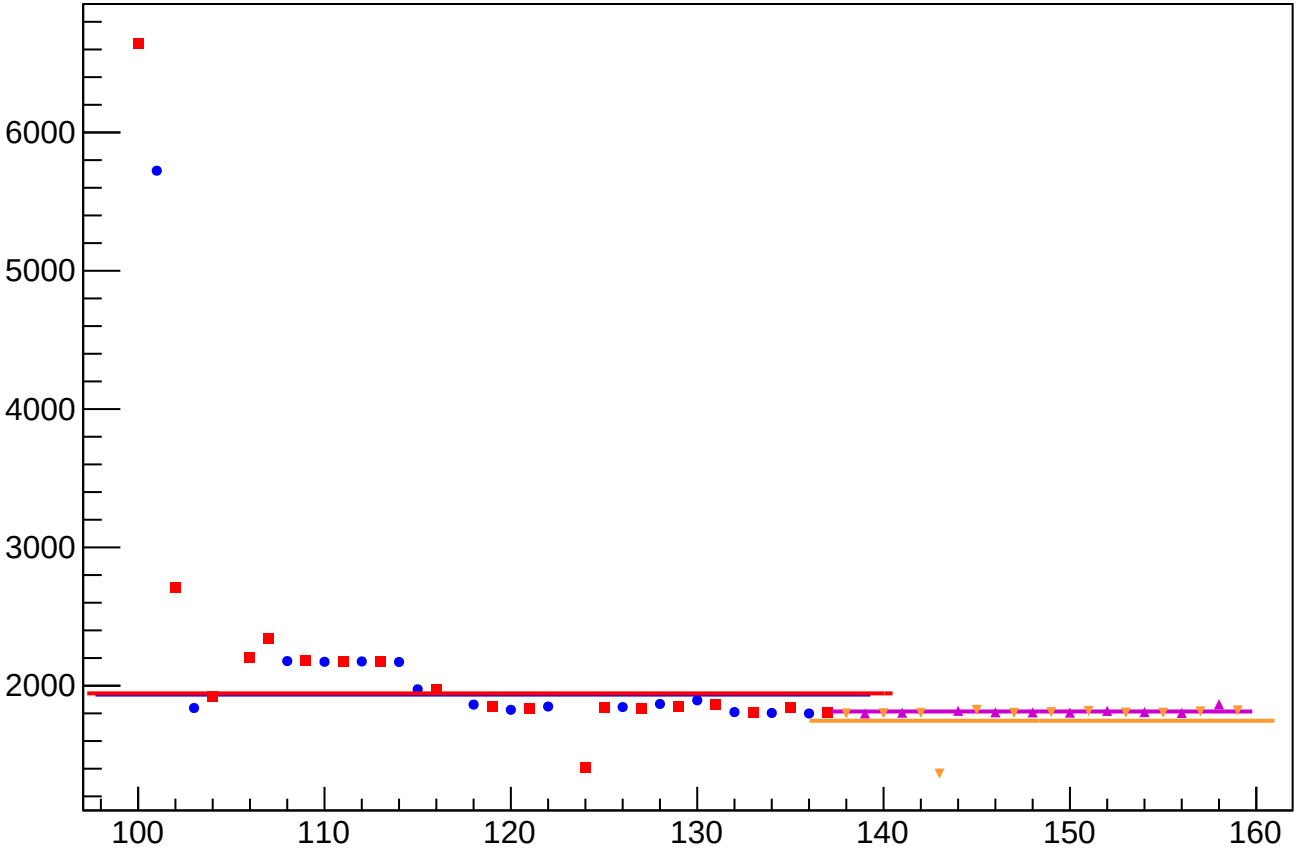
Left In: 949.547+/-614.058 χ^2/NDF:13.4/9

+ sign -313.822+/-449.372 χ^2/NDF: 27.8/27

All: 205.542+/-324.328 χ^2/NDF: 59.8/56

- sign 770.224+/-468.568 χ^2/NDF: 29.2/28

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

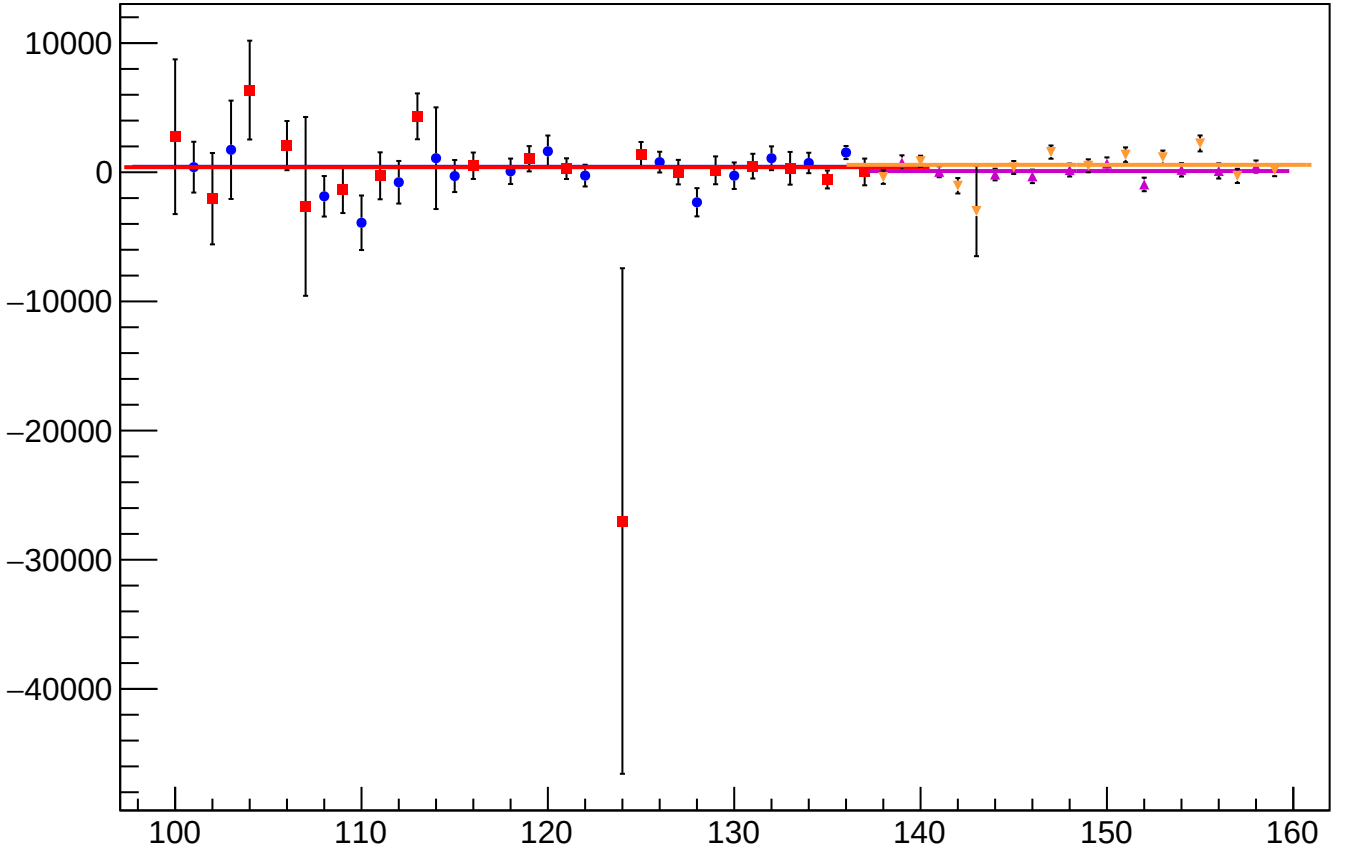
Left In: 1813.755+/-0.434 χ^2/NDF:1697.4/9

+ sign 1817.272+/-0.318 χ^2/NDF: 872573.2/27

All: 1841.752+/-0.229 χ^2/NDF: 1200755.0/56

- sign 1868.369+/-0.331 χ^2/NDF: 315793.1/28

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

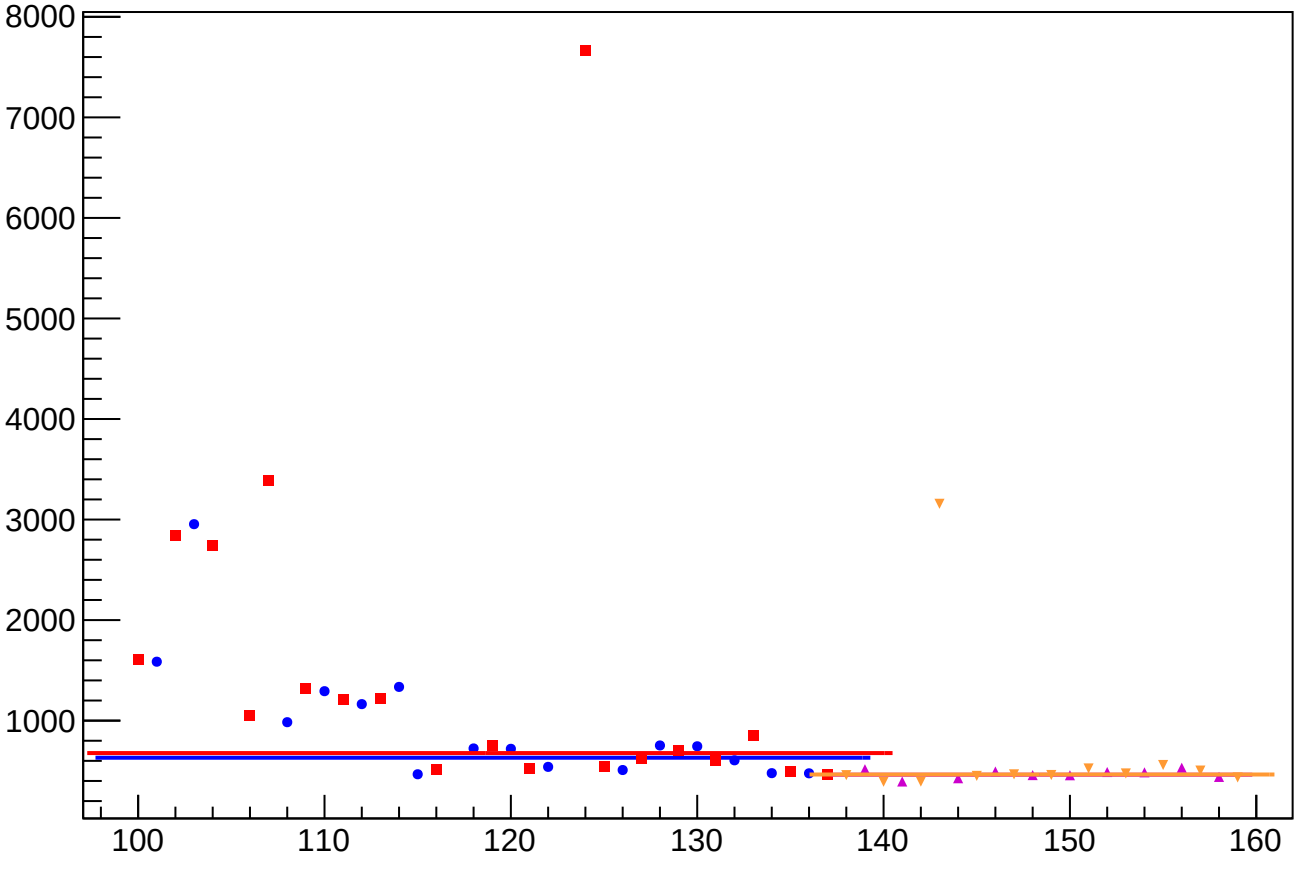
Left In: 92.364+/-157.400 χ^2/NDF:8.3/9

+ sign 533.020+/-133.656 χ^2/NDF: 51.2/27

All: 353.700+/-95.722 χ^2/NDF: 79.9/56

- sign 164.867+/-137.155 χ^2/NDF: 25.0/28

asym_at1_dd_eigen_dit_correction_rms vs Slug



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

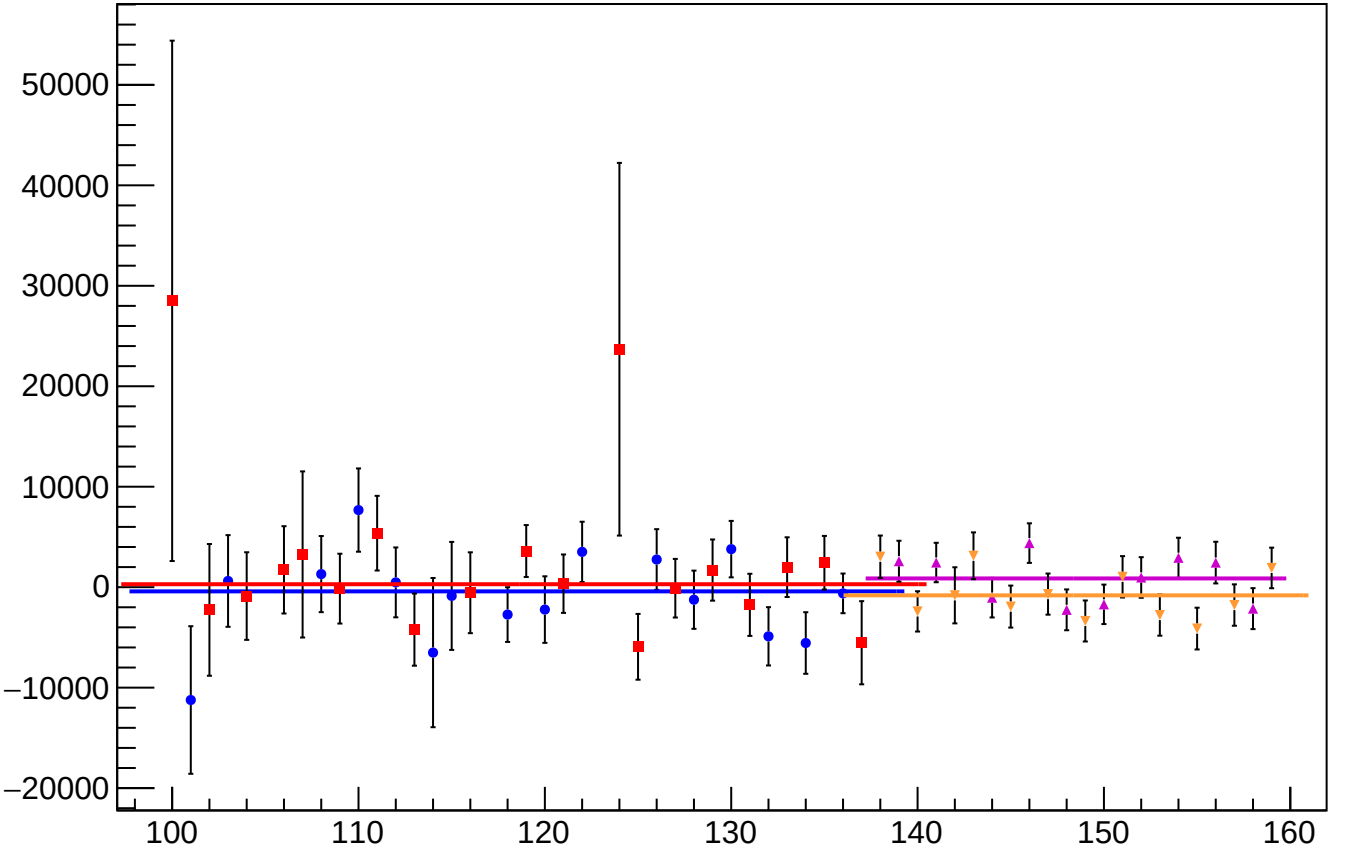
Left In: 461.943+/-0.111 χ^2/NDF:131425.3/9

+ sign 509.493+/-0.095 χ^2/NDF: 4212287.9/27

All: 511.596+/-0.068 χ^2/NDF: 8328620.0/56

- sign 513.812+/-0.097 χ^2/NDF: 4115314.8/28

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

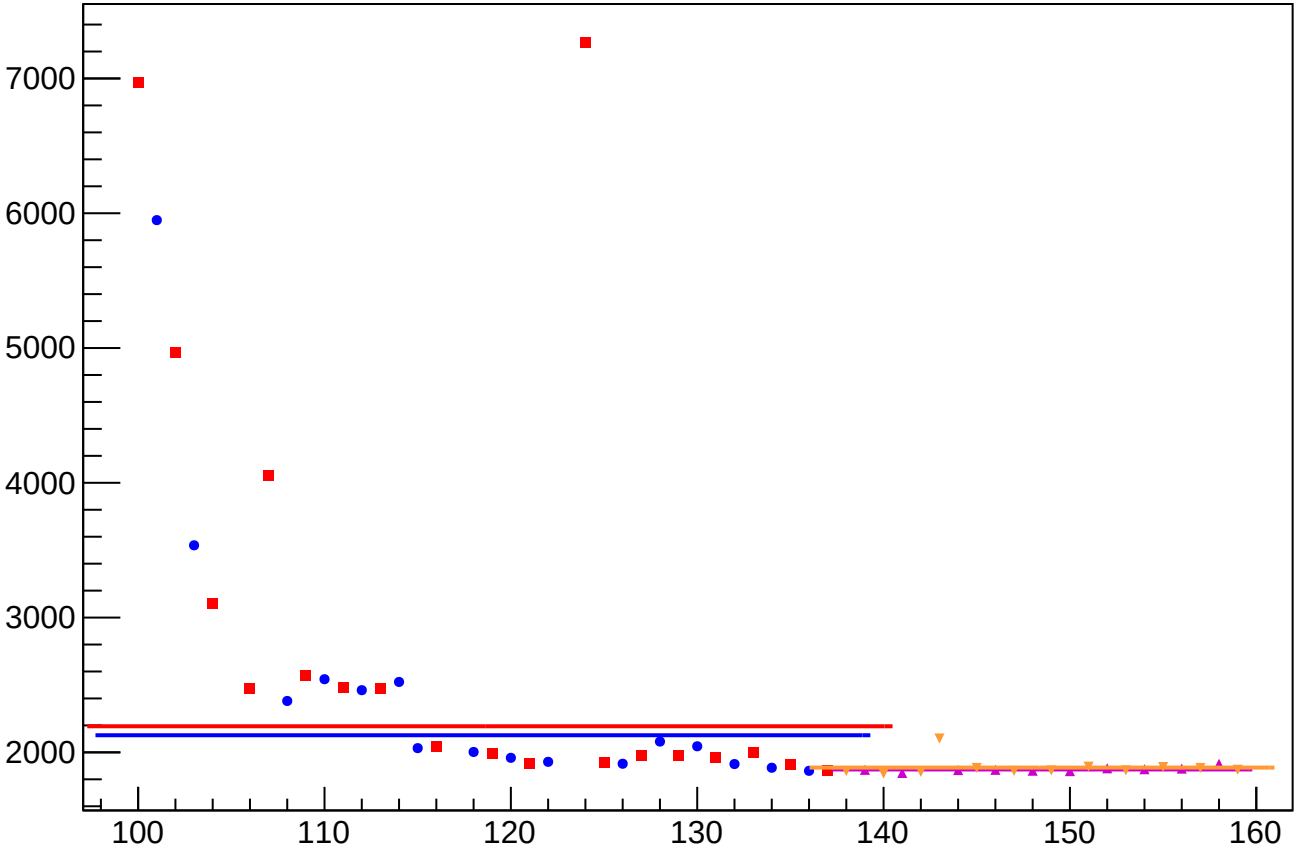
Left In: 869.220+/-634.134 χ^2/NDF:13.4/9

+ sign -670.661+/-488.927 χ^2/NDF: 33.5/27

All: -26.871+/-351.018 χ^2/NDF: 66.4/56

- sign 657.920+/-504.256 χ^2/NDF: 29.3/28

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

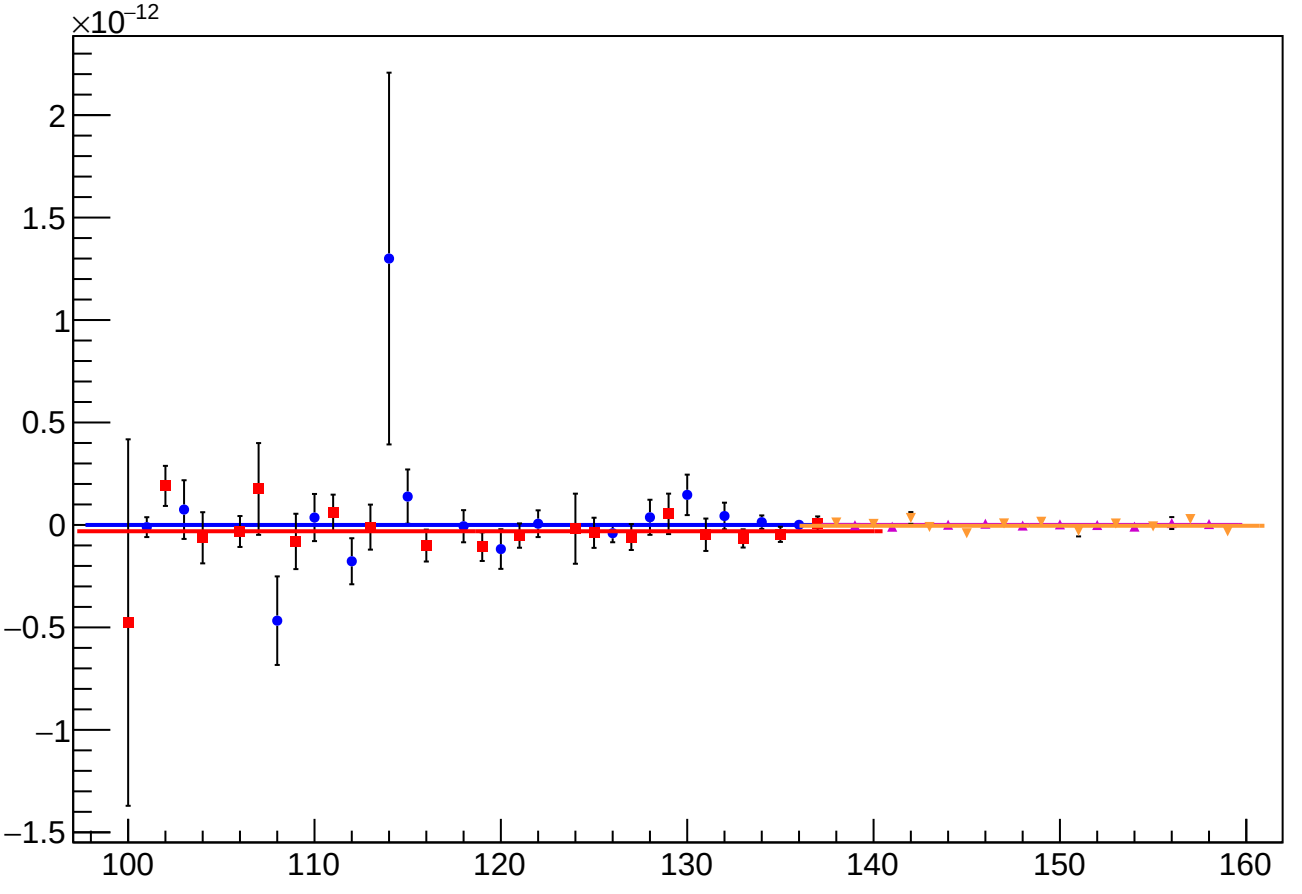
Left In: 1873.048+/-0.448 χ^2/NDF:1393.0/9

+ sign 1973.328+/-0.346 χ^2/NDF: 1005683.8/27

All: 1981.839+/-0.248 χ^2/NDF: 2138763.6/56

- sign 1990.892+/-0.357 χ^2/NDF: 1131829.0/28

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

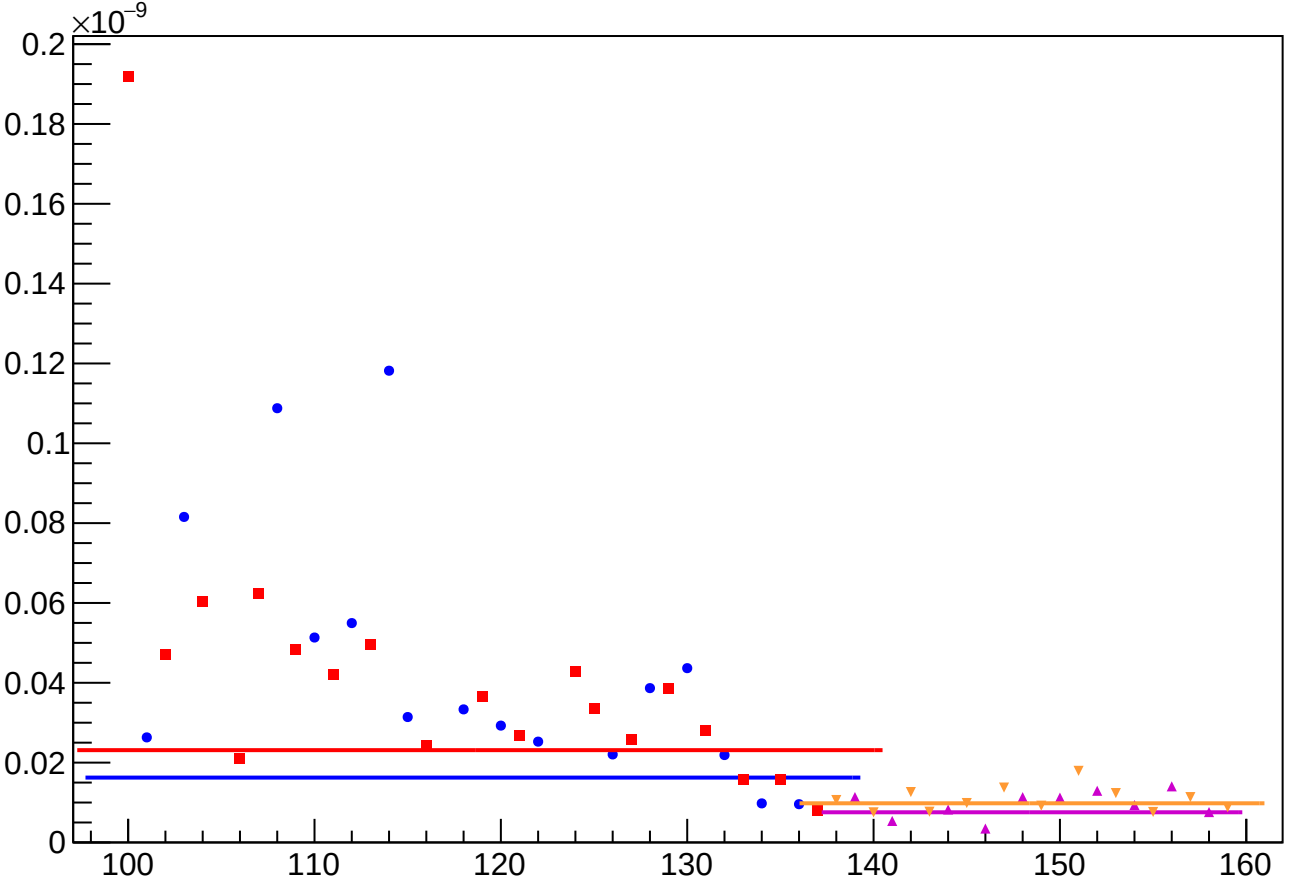
Left In: 0.000+/-0.000 χ^2/NDF:1.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/27

All: -0.000+/-0.000 χ^2/NDF: 48.9/56

- sign -0.000+/-0.000 χ^2/NDF: 17.3/28

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

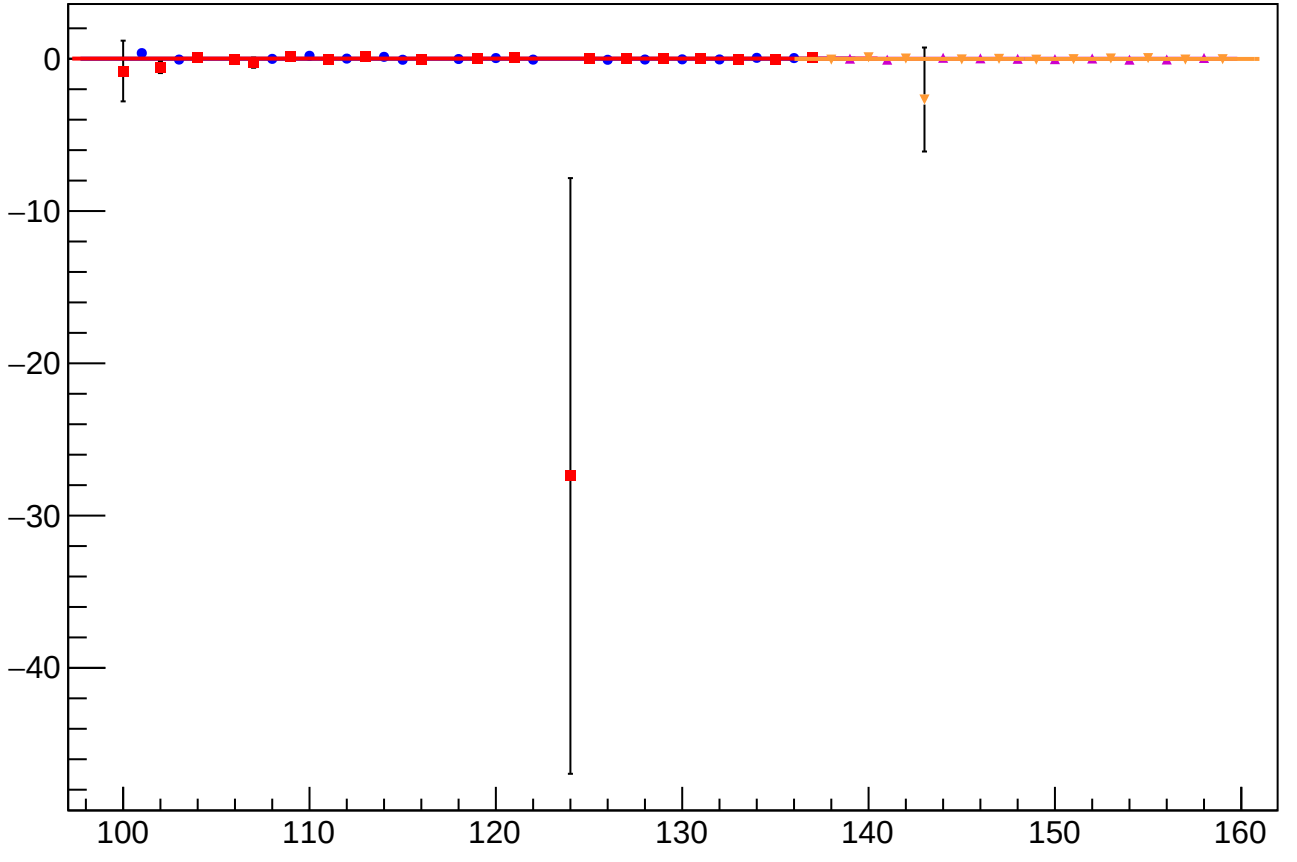
Left In: 0.000+/-0.000 χ^2/NDF:871554.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 3197216.6/27

All: 0.000+/-0.000 χ^2/NDF: 7446740.4/56

- sign 0.000+/-0.000 χ^2/NDF: 4073986.2/28

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

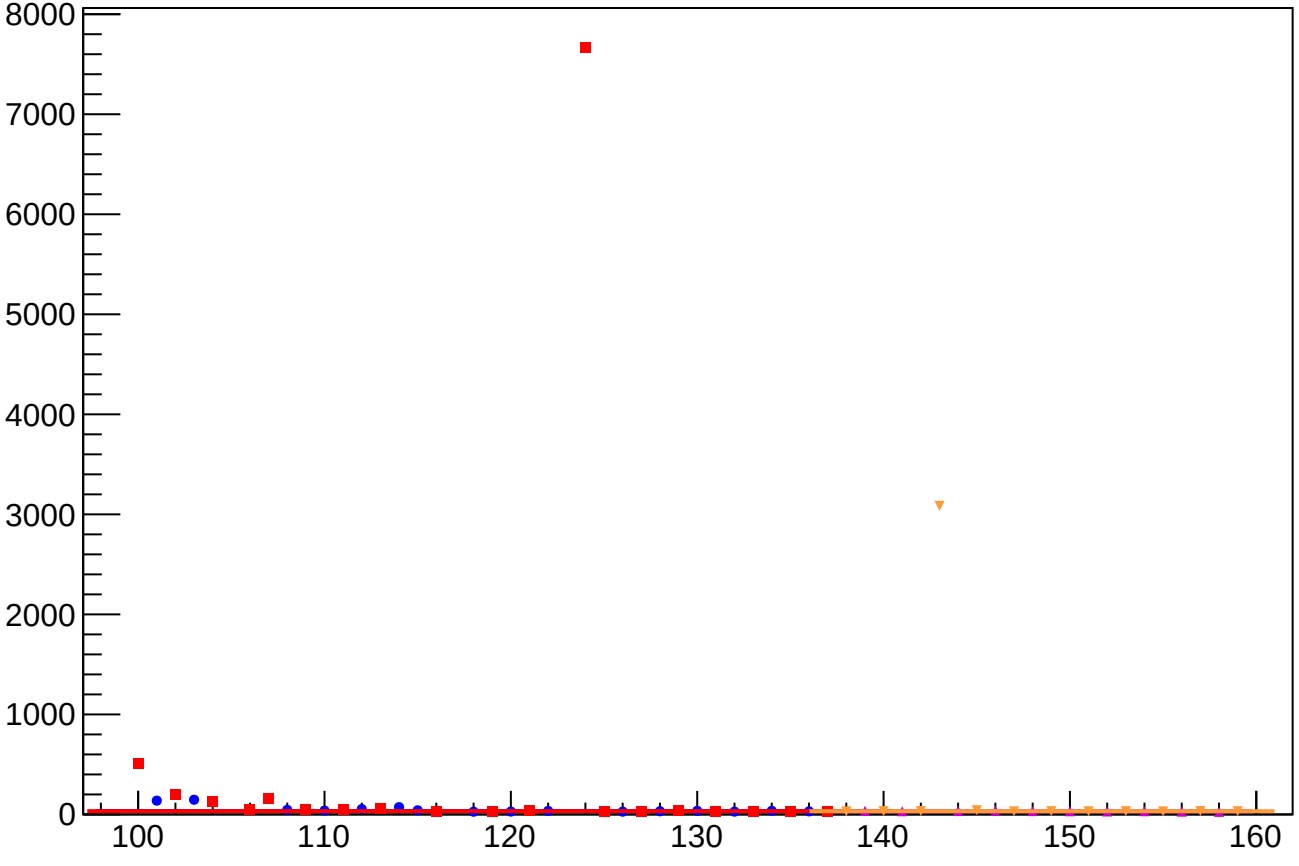
Left In: -0.001+/-0.012 χ^2/NDF:13.6/9

+ sign -0.005+/-0.009 χ^2/NDF: 37.6/27

All: -0.001+/-0.007 χ^2/NDF: 66.4/56

- sign 0.004+/-0.009 χ^2/NDF: 28.3/28

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

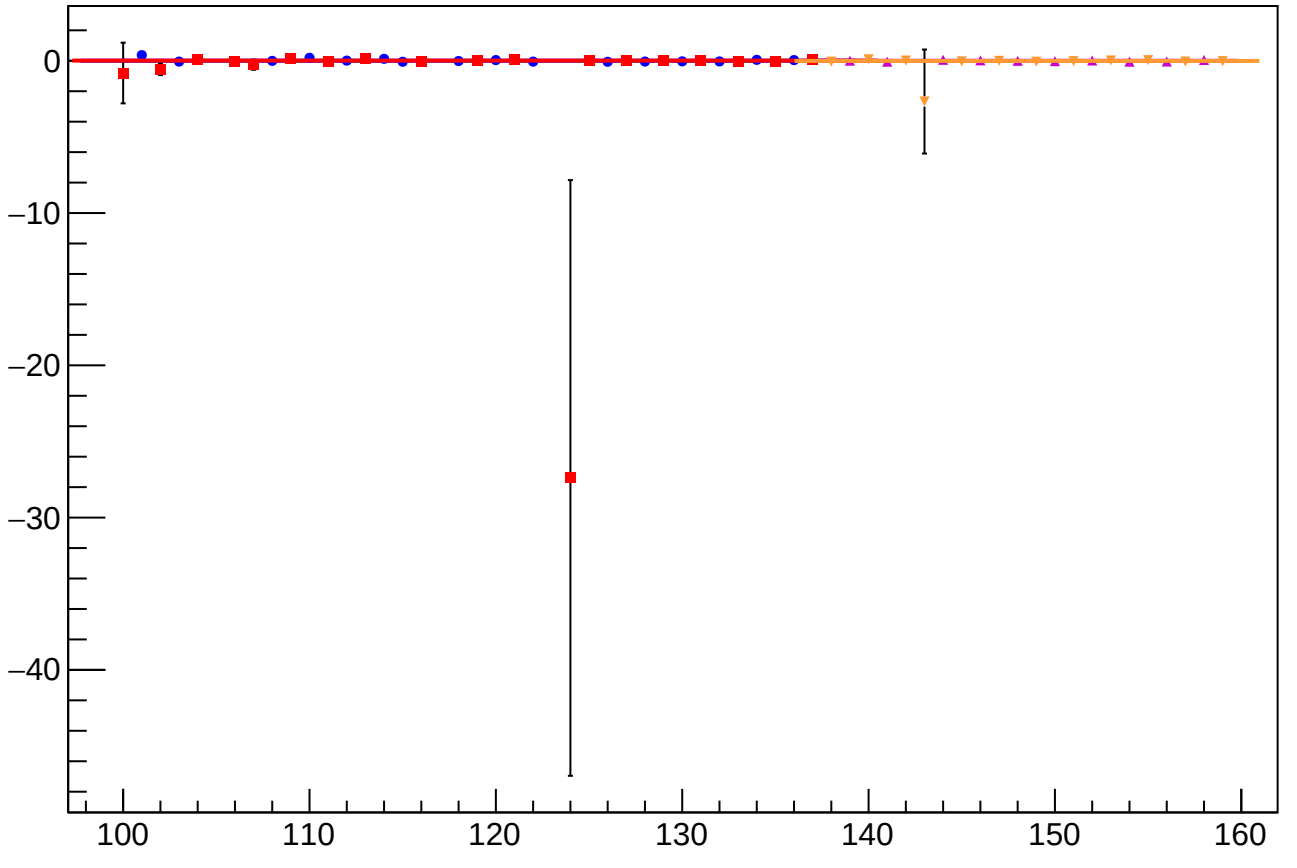
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 31.746+/-0.008 χ^2/NDF:154242.1/9

+ sign 33.070+/-0.007 χ^2/NDF: 3429458.5/27

All: 32.665+/-0.005 χ^2/NDF: 5676459.3/56

- sign 32.261+/-0.007 χ^2/NDF: 2239325.5/28



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

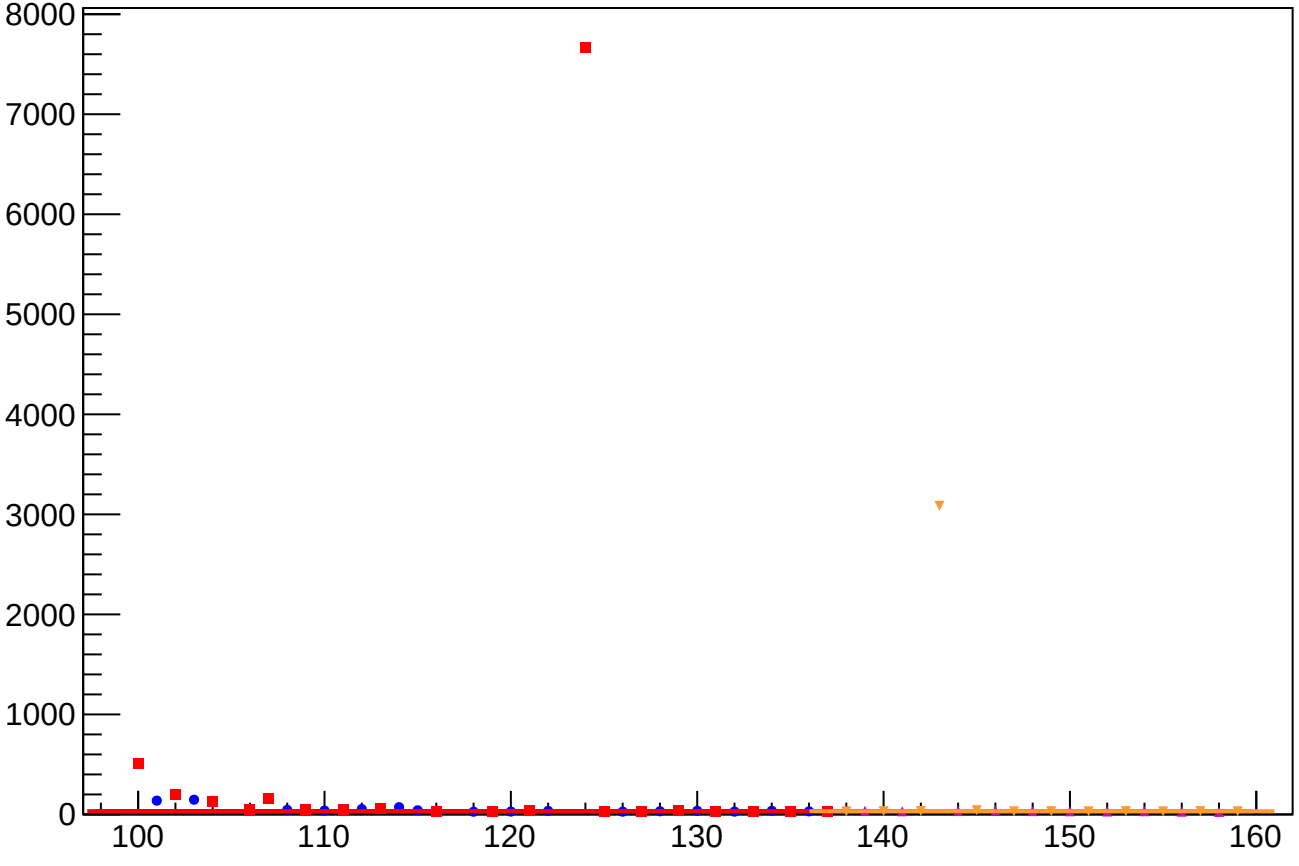
Left In: -0.001+/-0.012 χ^2/NDF:13.6/9

+ sign -0.005+/-0.009 χ^2/NDF: 37.6/27

All: -0.001+/-0.007 χ^2/NDF: 66.4/56

- sign 0.004+/-0.009 χ^2/NDF: 28.3/28

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

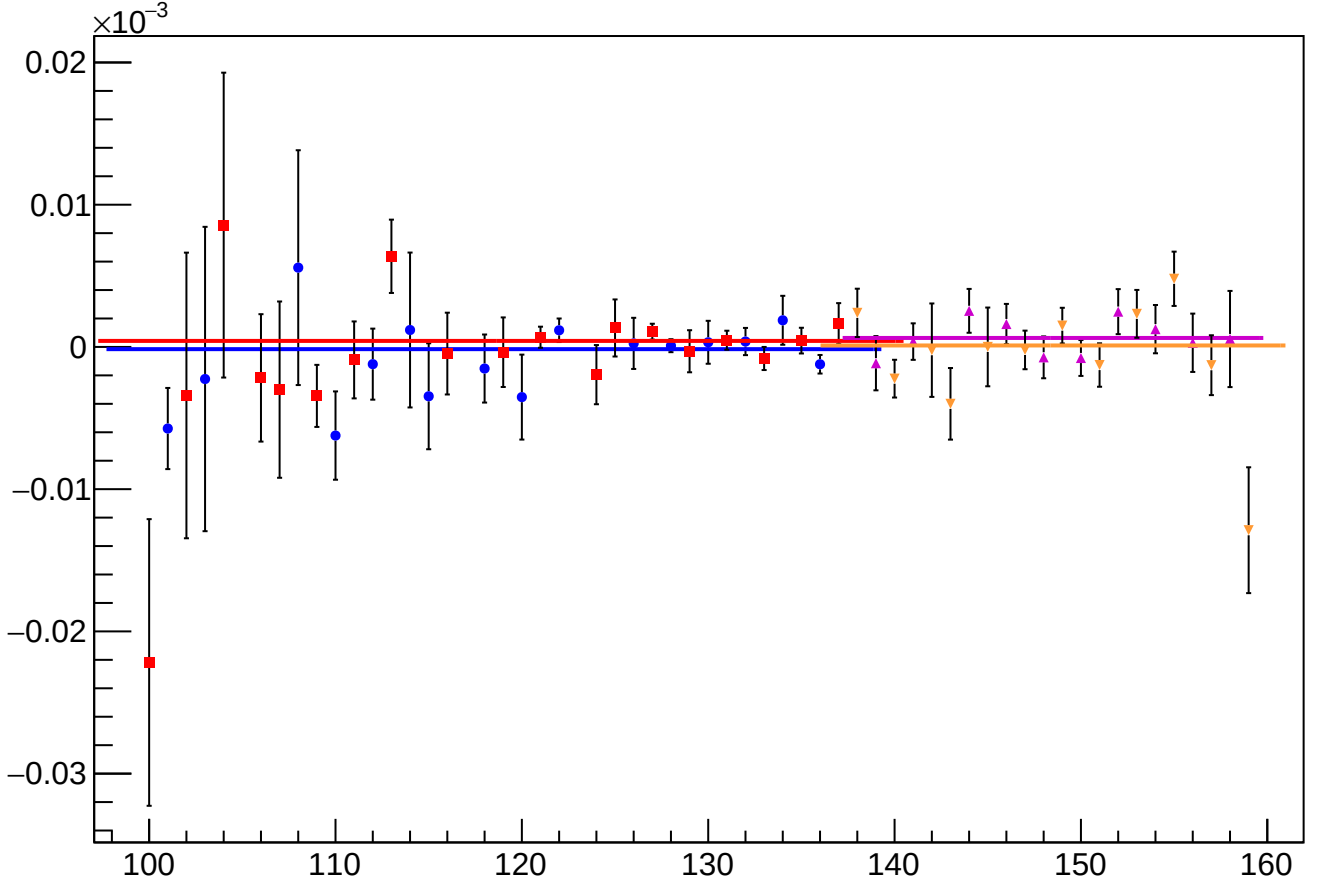
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 31.746+/-0.008 χ^2/NDF:154242.1/9

\+ sign 33.070+/-0.007 χ^2/NDF: 3429458.5/27

All: 32.665+/-0.005 χ^2/NDF: 5676459.3/56

\- sign 32.261+/-0.007 χ^2/NDF: 2239325.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/11

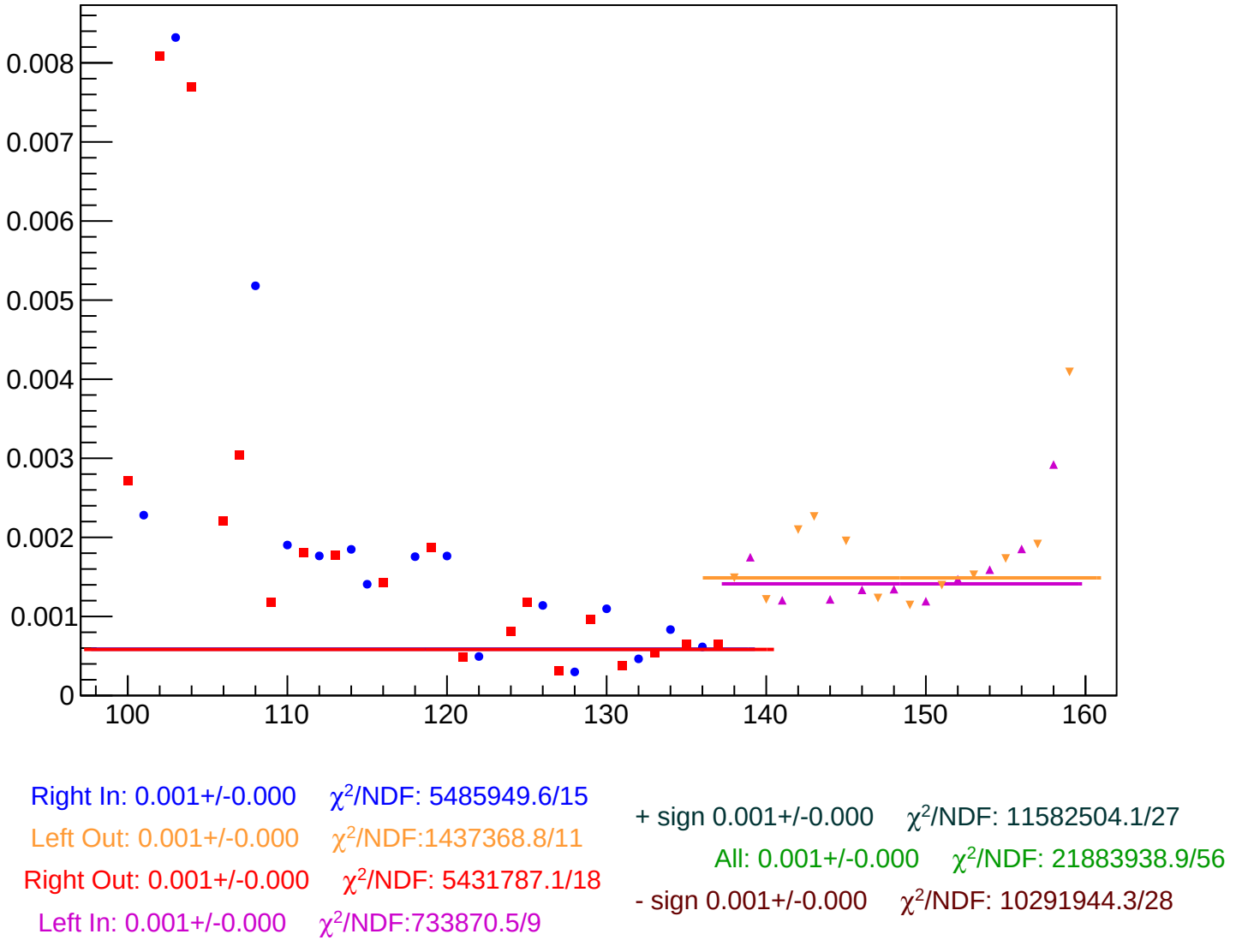
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

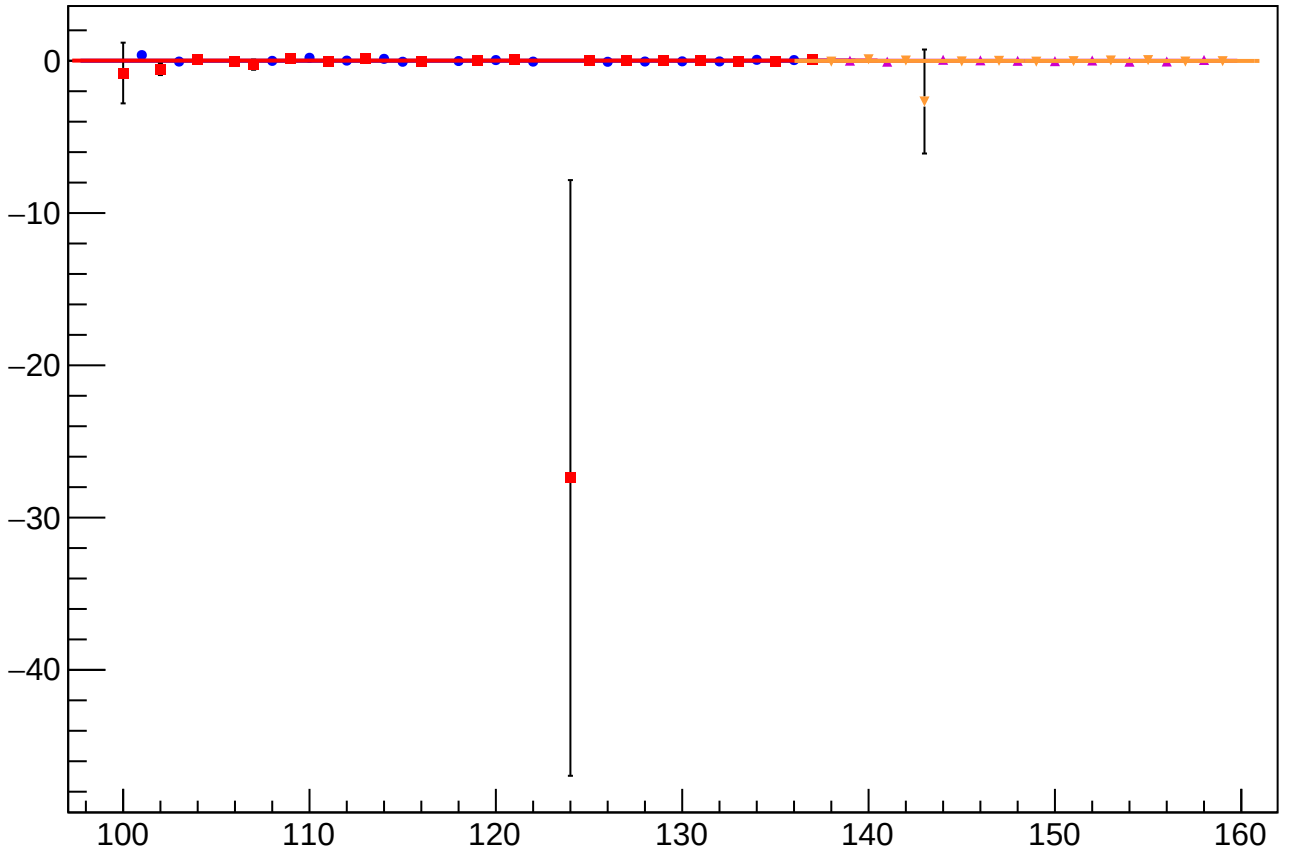
Left In: 0.000+/-0.000 χ^2/NDF:6.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/27

All: 0.000+/-0.000 χ^2/NDF: 75.7/56

- sign 0.000+/-0.000 χ^2/NDF: 28.2/28


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:733870.5/9
+ sign 0.001+/-0.000 χ²/NDF: 11582504.1/27
All: 0.001+/-0.000 χ²/NDF: 21883938.9/56
- sign 0.001+/-0.000 χ²/NDF: 10291944.3/28



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

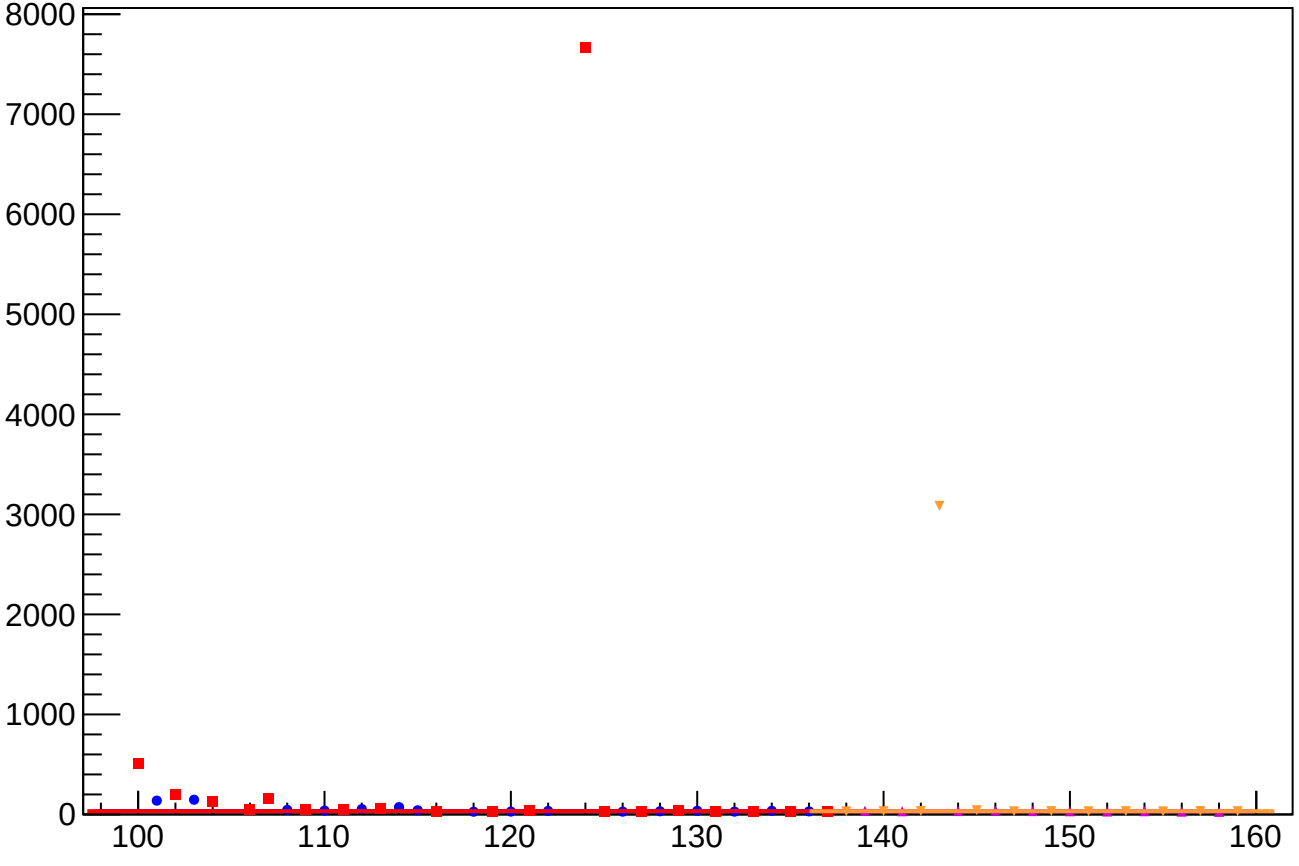
Left In: -0.001+/-0.012 χ^2/NDF:13.6/9

+ sign -0.005+/-0.009 χ^2/NDF: 37.6/27

All: -0.001+/-0.007 χ^2/NDF: 66.4/56

- sign 0.004+/-0.009 χ^2/NDF: 28.3/28

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

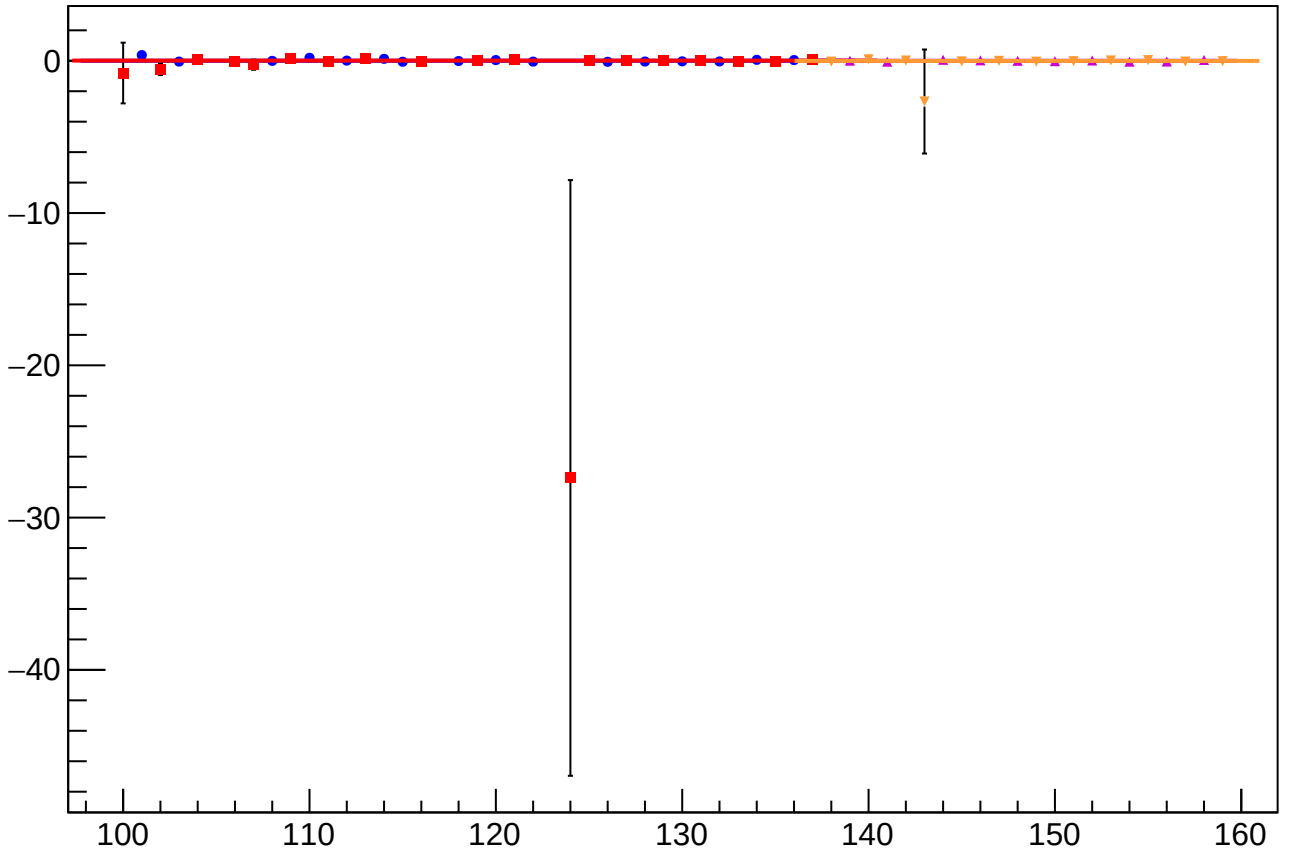
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 31.747+/-0.008 χ^2/NDF:154186.0/9

\+ sign 33.070+/-0.007 χ^2/NDF: 3429448.4/27

All: 32.665+/-0.005 χ^2/NDF: 5676361.9/56

\- sign 32.261+/-0.007 χ^2/NDF: 2239242.4/28



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

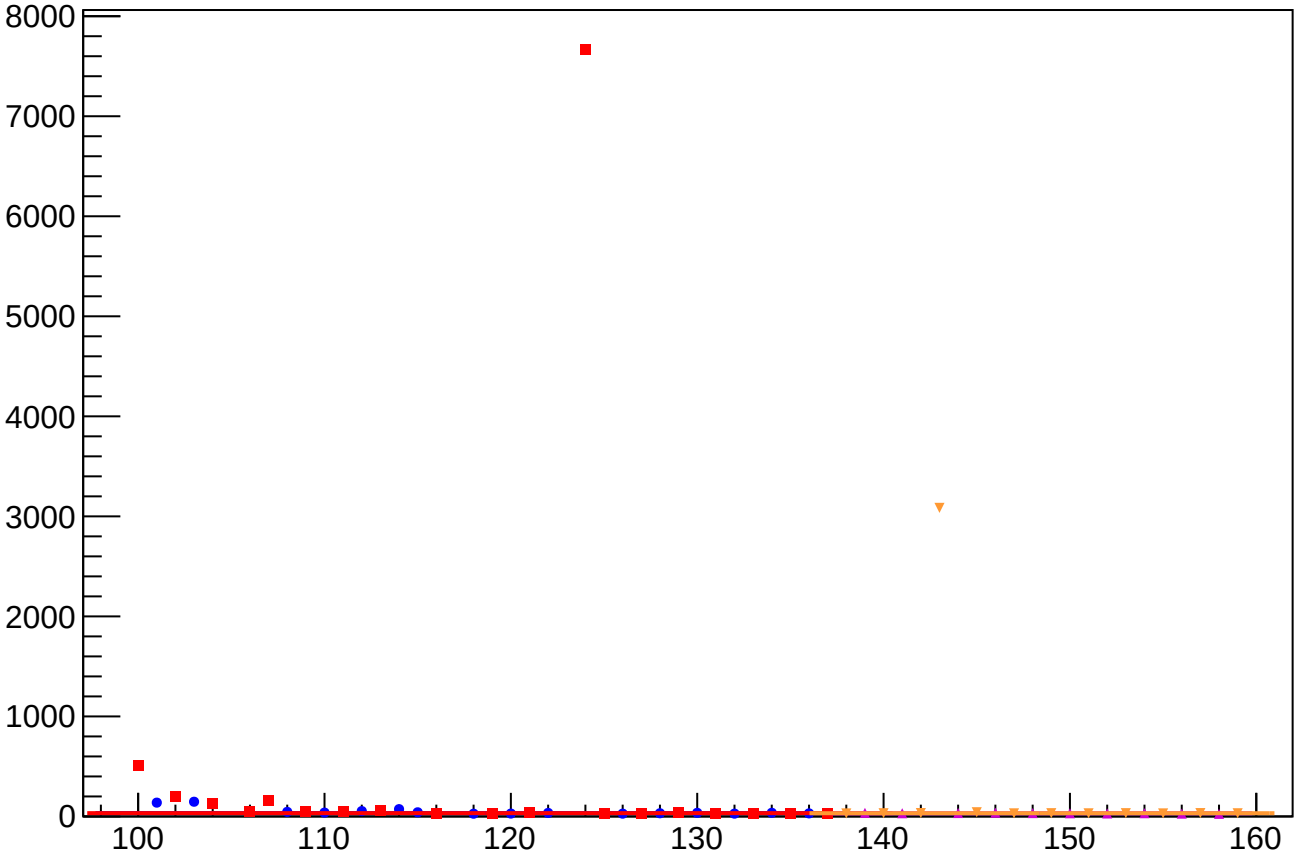
Left In: -0.001+/-0.012 χ^2/NDF:13.6/9

+ sign -0.005+/-0.009 χ^2/NDF: 37.6/27

All: -0.001+/-0.007 χ^2/NDF: 66.4/56

- sign 0.004+/-0.009 χ^2/NDF: 28.3/28

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

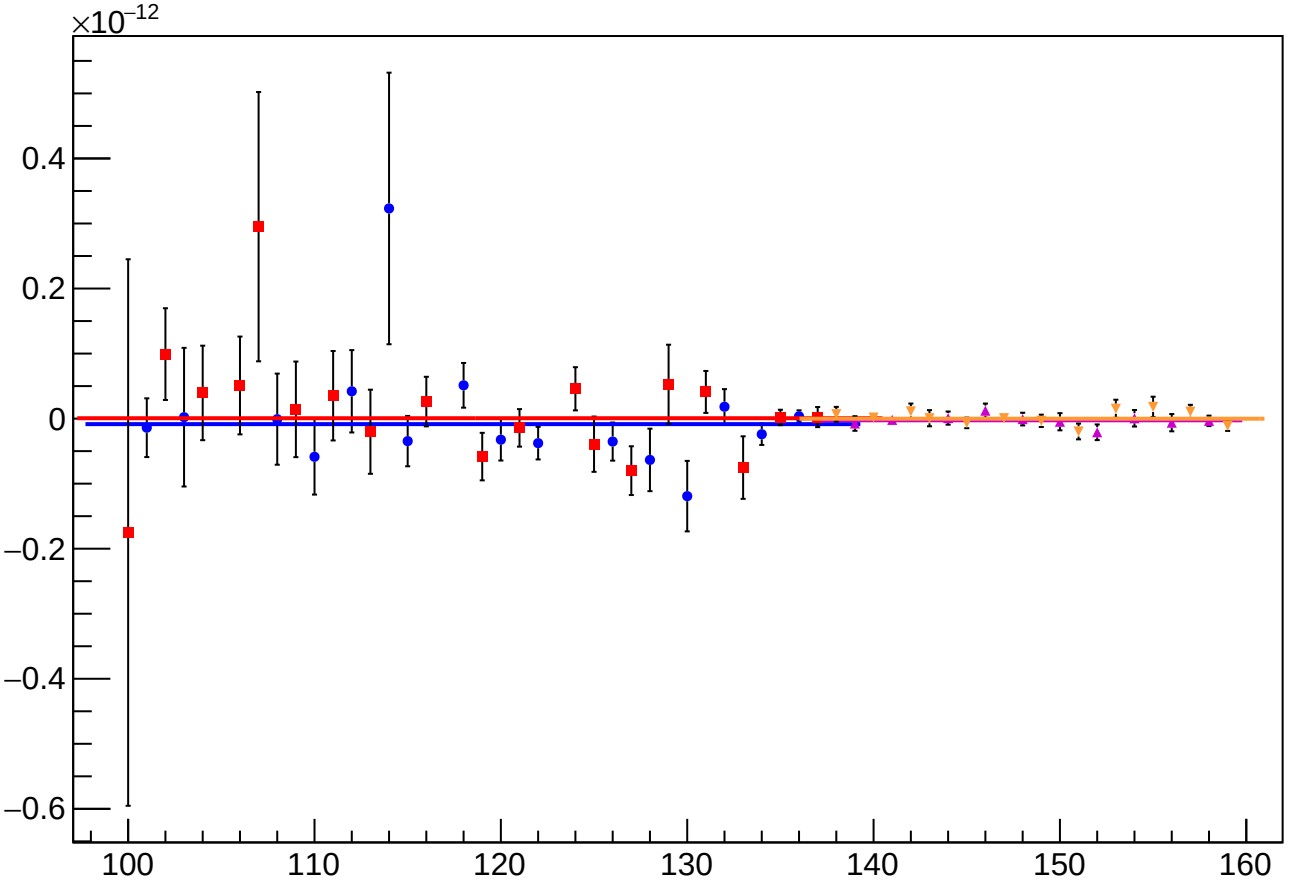
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 31.747+/-0.008 χ^2/NDF:154186.0/9

+ sign 33.070+/-0.007 χ^2/NDF: 3429448.4/27

All: 32.665+/-0.005 χ^2/NDF: 5676361.9/56

- sign 32.261+/-0.007 χ^2/NDF: 2239242.4/28



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/11

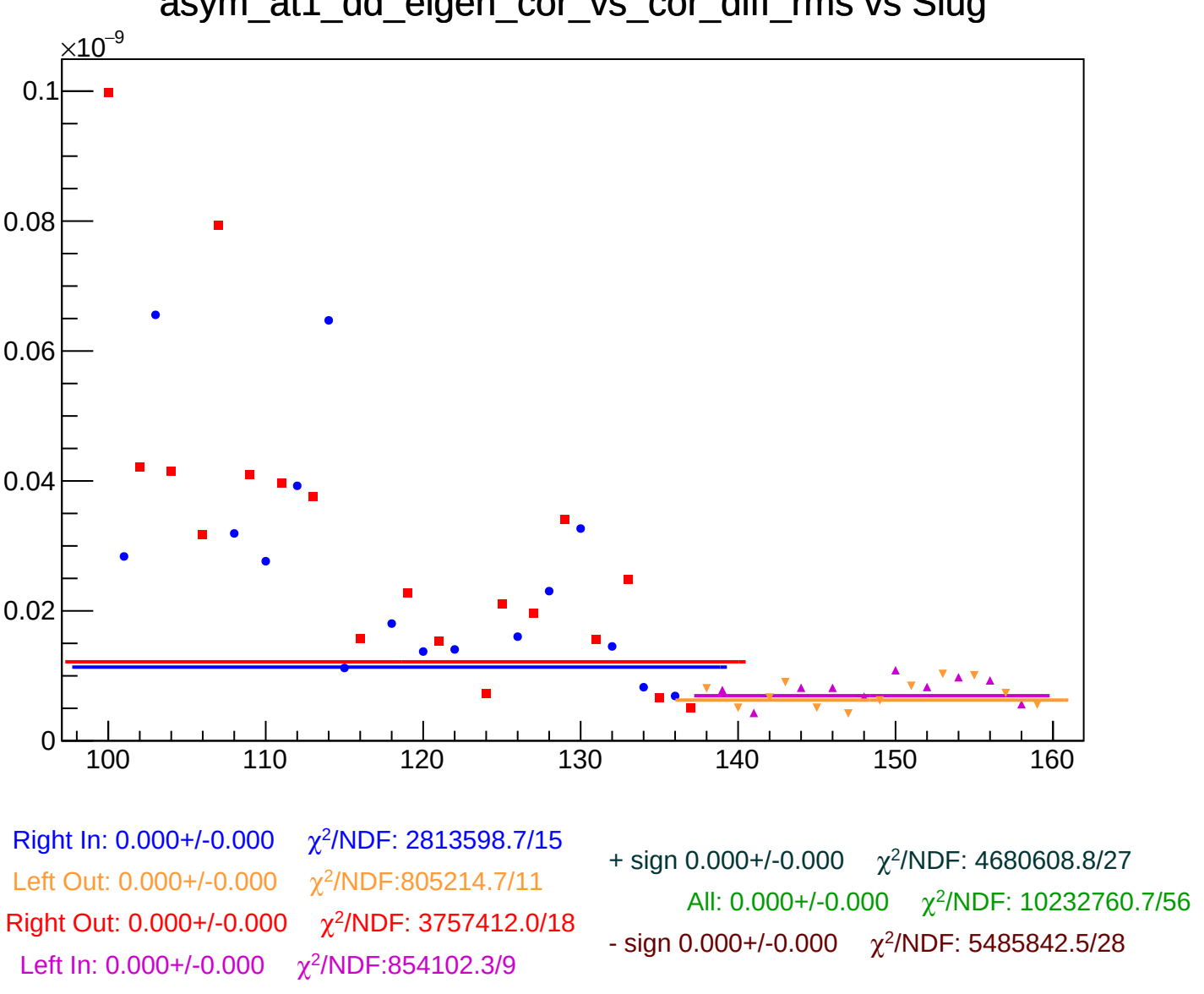
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/9

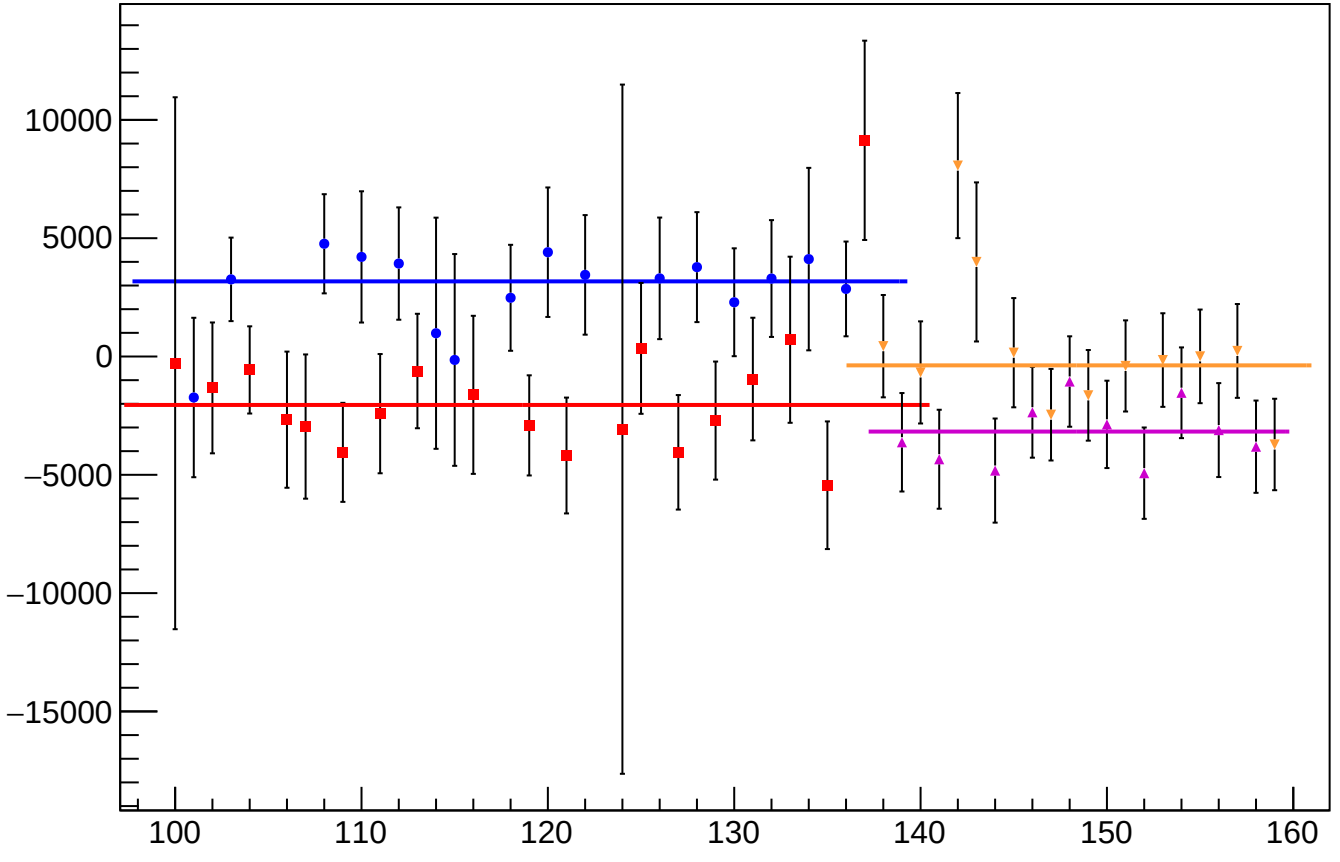
+ sign -0.000+/-0.000 χ^2/NDF: 30.9/27

All: -0.000+/-0.000 χ^2/NDF: 56.6/56

- sign -0.000+/-0.000 χ^2/NDF: 25.6/28


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:854102.3/9
+ sign 0.000+/-0.000 χ²/NDF: 4680608.8/27
All: 0.000+/-0.000 χ²/NDF: 10232760.7/56
- sign 0.000+/-0.000 χ²/NDF: 5485842.5/28

reg_asym_at2_avg_mean vs Slug



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

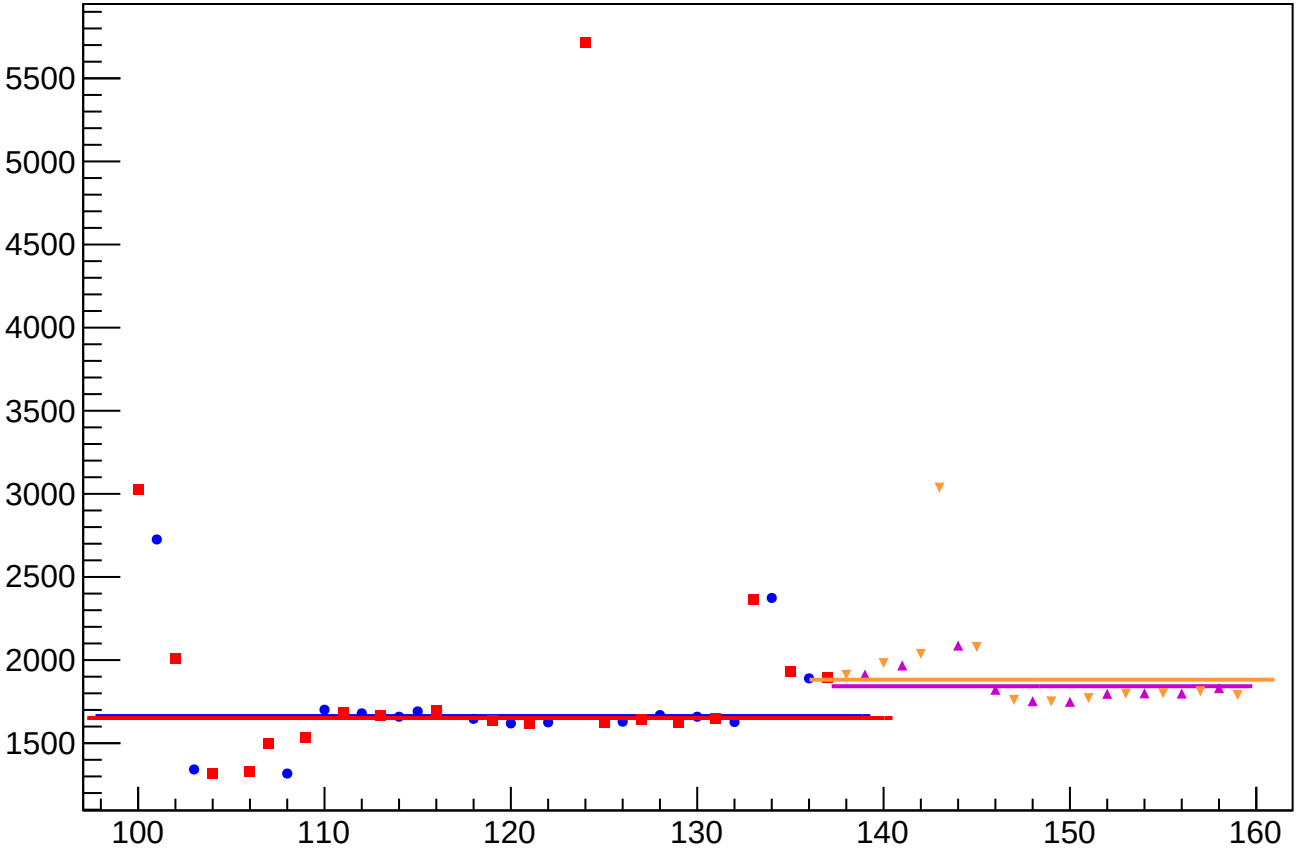
Left In: -3172.517+/-624.721 χ^2/NDF:4.0/9

+ sign 1360.410+/-438.994 χ^2/NDF: 34.9/27

All: -616.073+/-310.982 χ^2/NDF: 95.3/56

- sign -2607.050+/-440.601 χ^2/NDF: 19.7/28

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

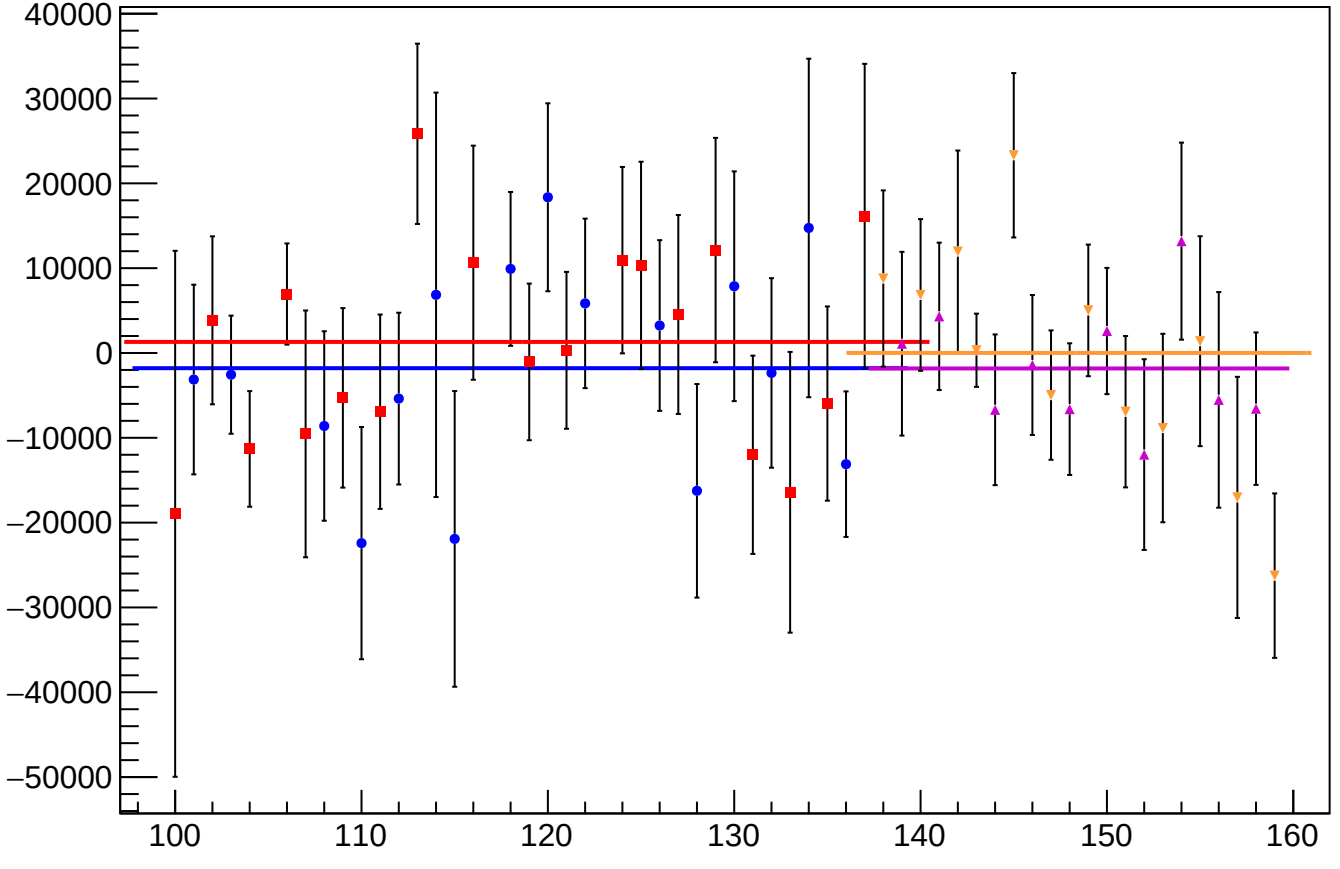
Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

+ sign 1774.929+/-0.310 χ^2/NDF: 838490.5/27

All: 1760.741+/-0.220 χ^2/NDF: 1415961.6/56

- sign 1746.448+/-0.312 χ^2/NDF: 573277.2/28

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

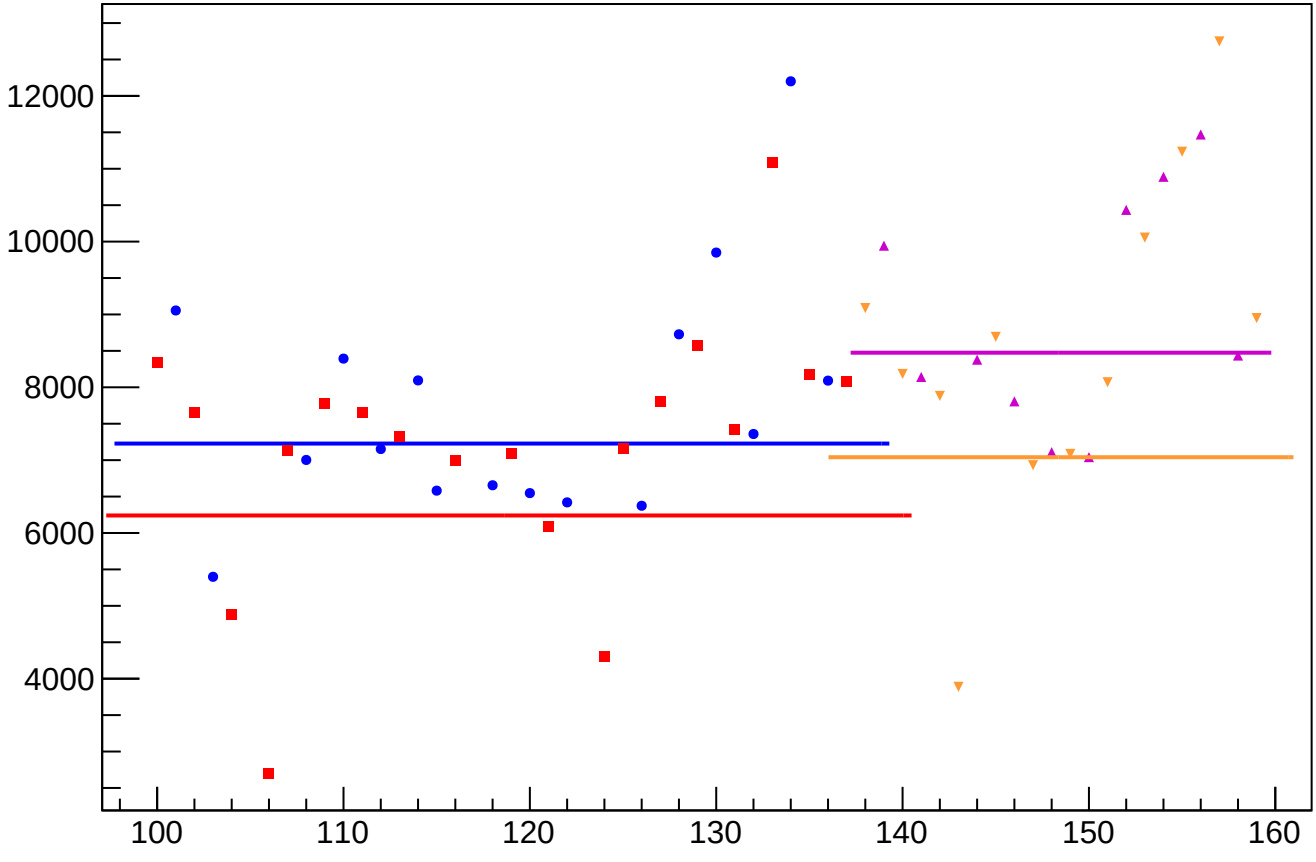
Left In: -1825.731+/-2914.983 χ^2/NDF:4.5/9

+ sign -780.999+/-1818.110 χ^2/NDF: 33.5/27

All: -389.994+/-1302.383 χ^2/NDF: 56.5/56

- sign 22.119+/-1866.539 χ^2/NDF: 22.9/28

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

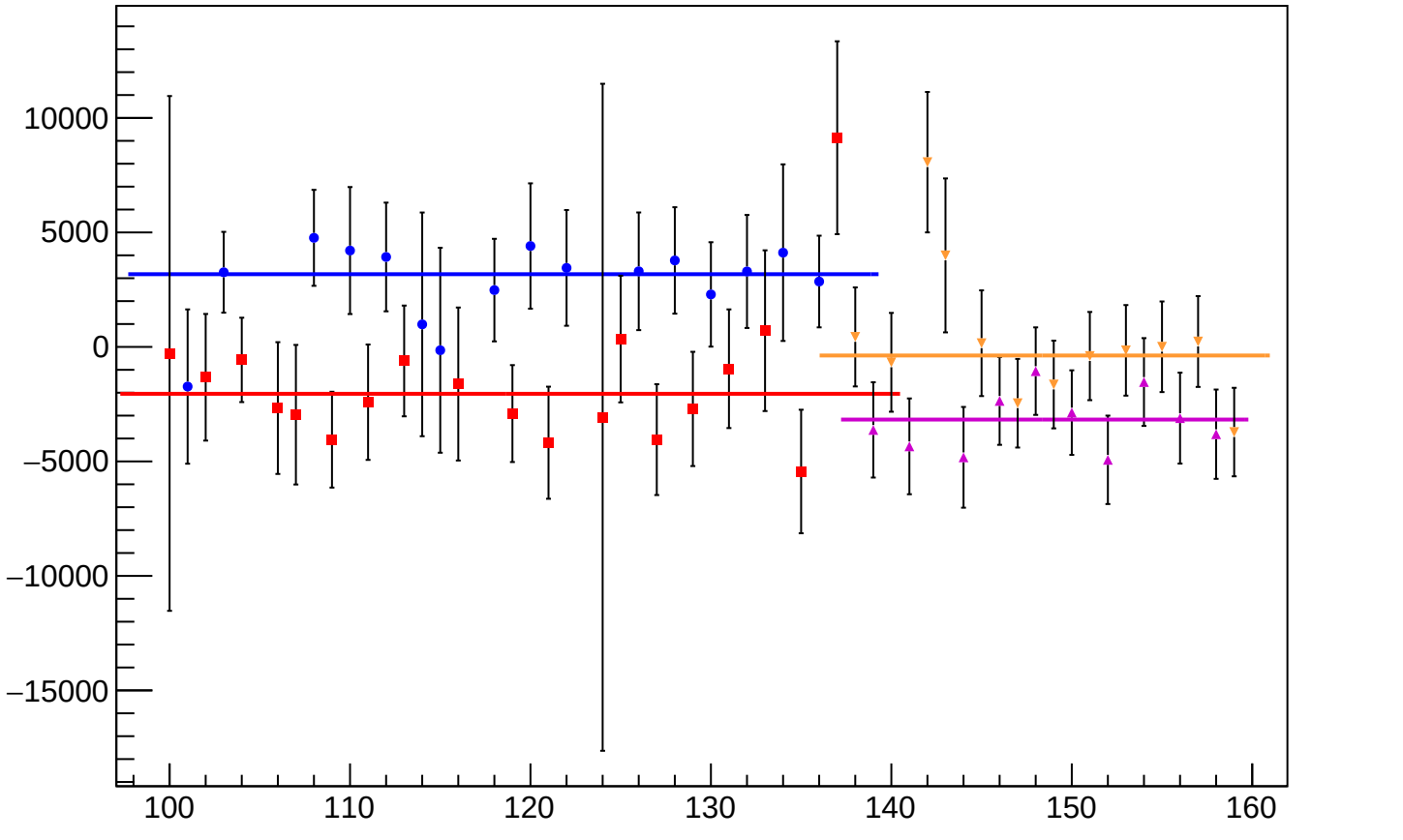
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8475.020+/-2.061 χ^2/NDF:447563.7/9

+ sign 7122.421+/-1.286 χ^2/NDF: 2556573.7/27

All: 7139.123+/-0.921 χ^2/NDF: 5096896.9/56

- sign 7156.726+/-1.320 χ^2/NDF: 2539976.5/28



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

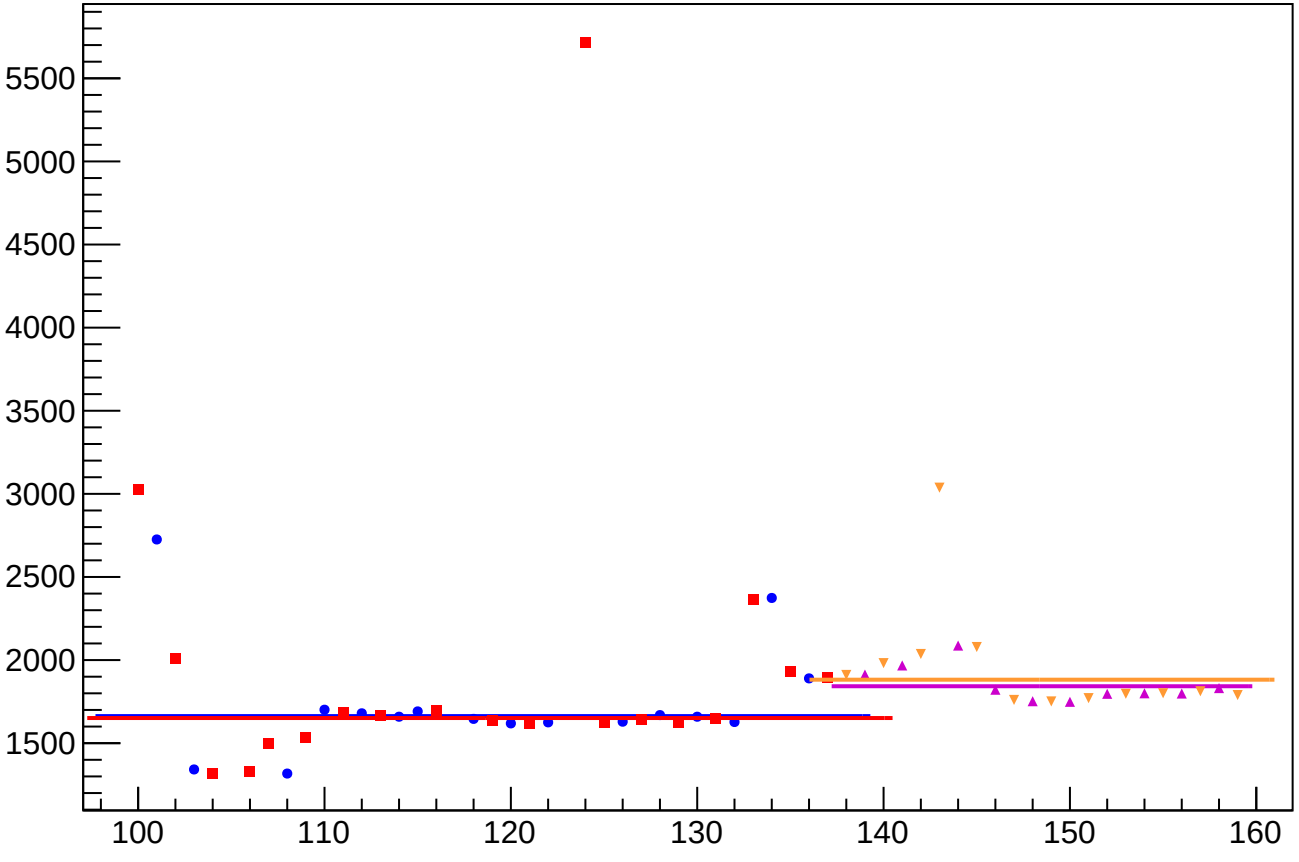
Left In: -3172.653+/-624.721 χ^2/NDF:4.0/9

+ sign 1360.412+/-438.994 χ^2/NDF: 34.9/27

All: -616.057+/-310.982 χ^2/NDF: 95.3/56

- sign -2607.020+/-440.601 χ^2/NDF: 19.7/28

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

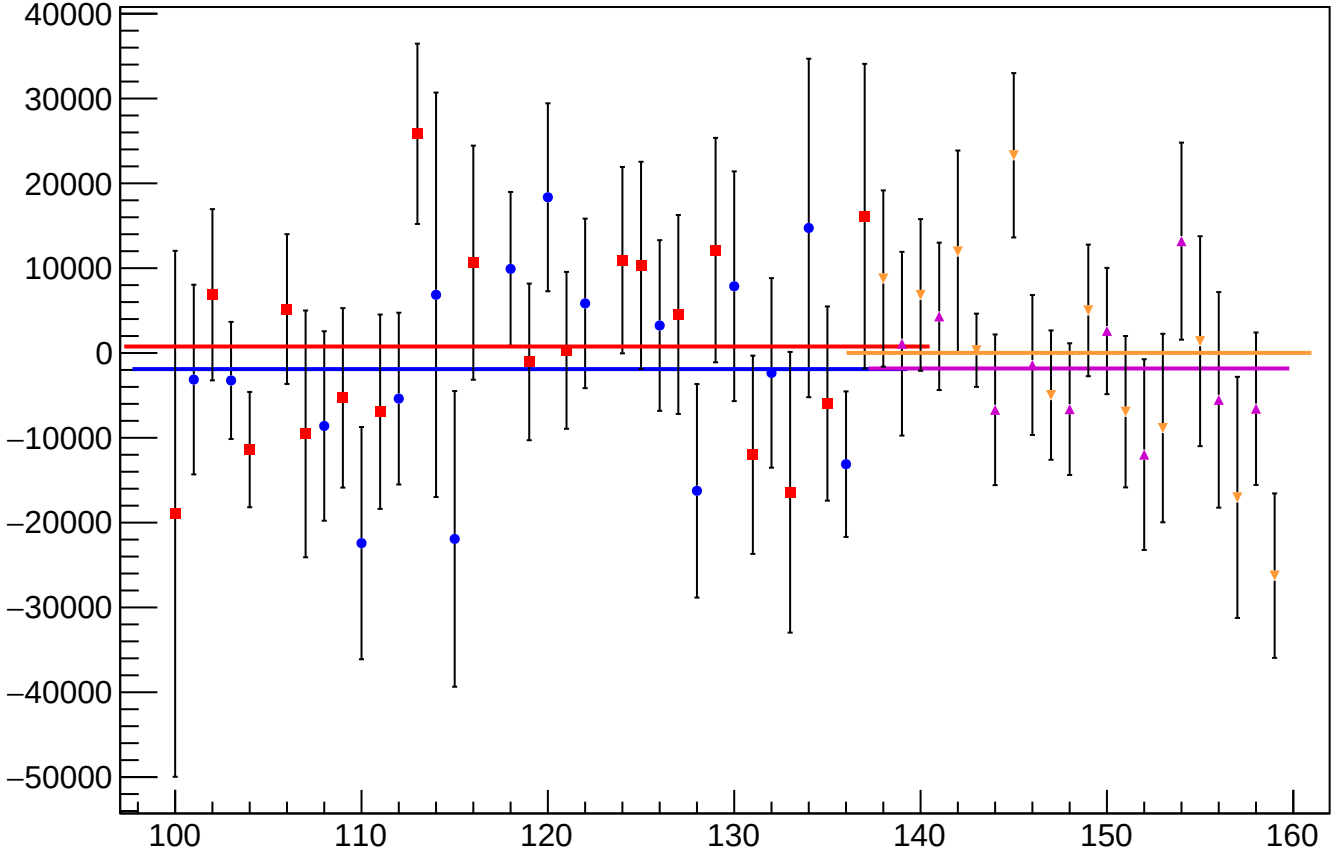
Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

+ sign 1774.929+/-0.310 χ^2/NDF: 838491.0/27

All: 1760.741+/-0.220 χ^2/NDF: 1415962.4/56

- sign 1746.448+/-0.312 χ^2/NDF: 573277.5/28

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

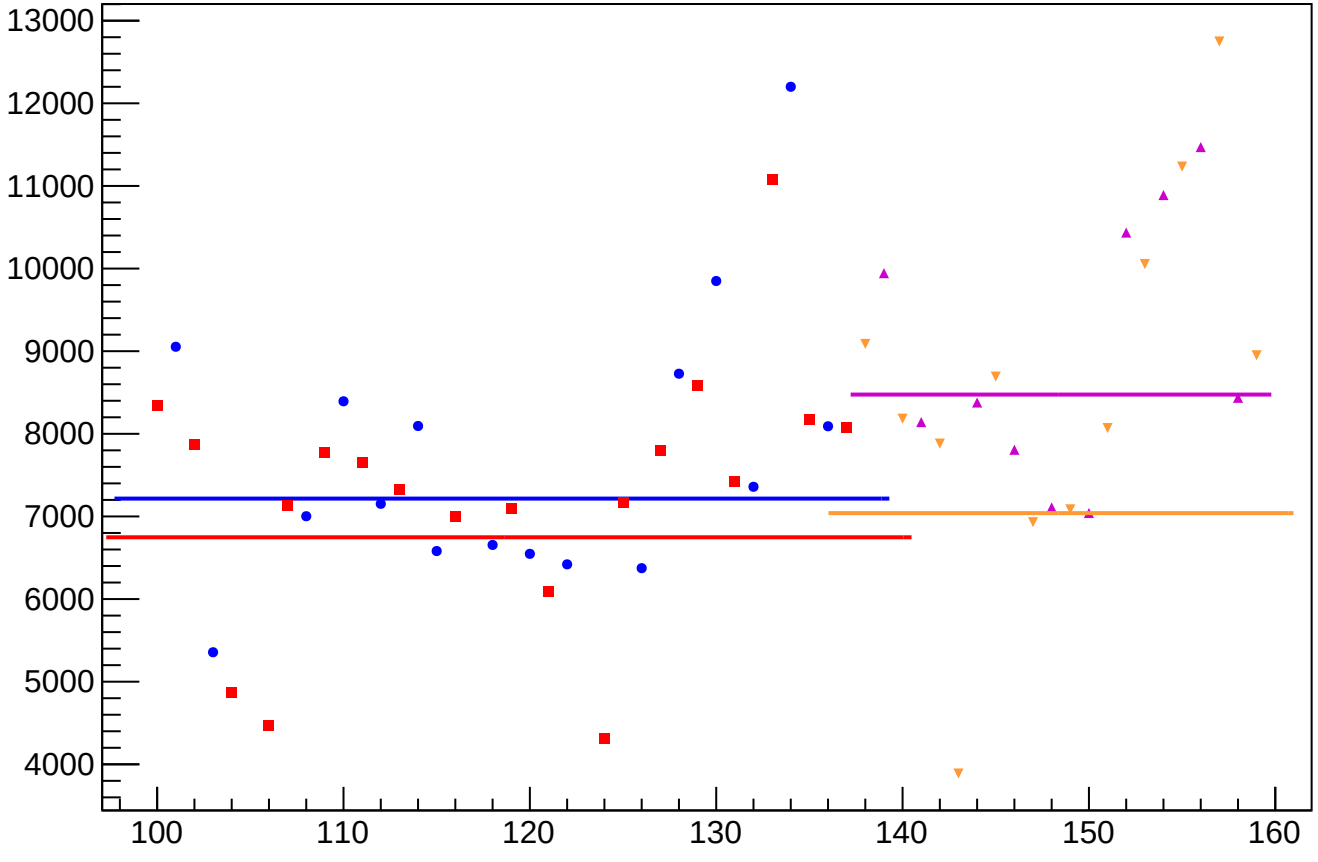
Left In: -1825.902+/-2914.981 χ^2/NDF:4.5/9

+ sign -830.225+/-1817.038 χ^2/NDF: 33.6/27

All: -607.761+/-1319.494 χ^2/NDF: 55.8/56

- sign -359.566+/-1919.245 χ^2/NDF: 22.2/28

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

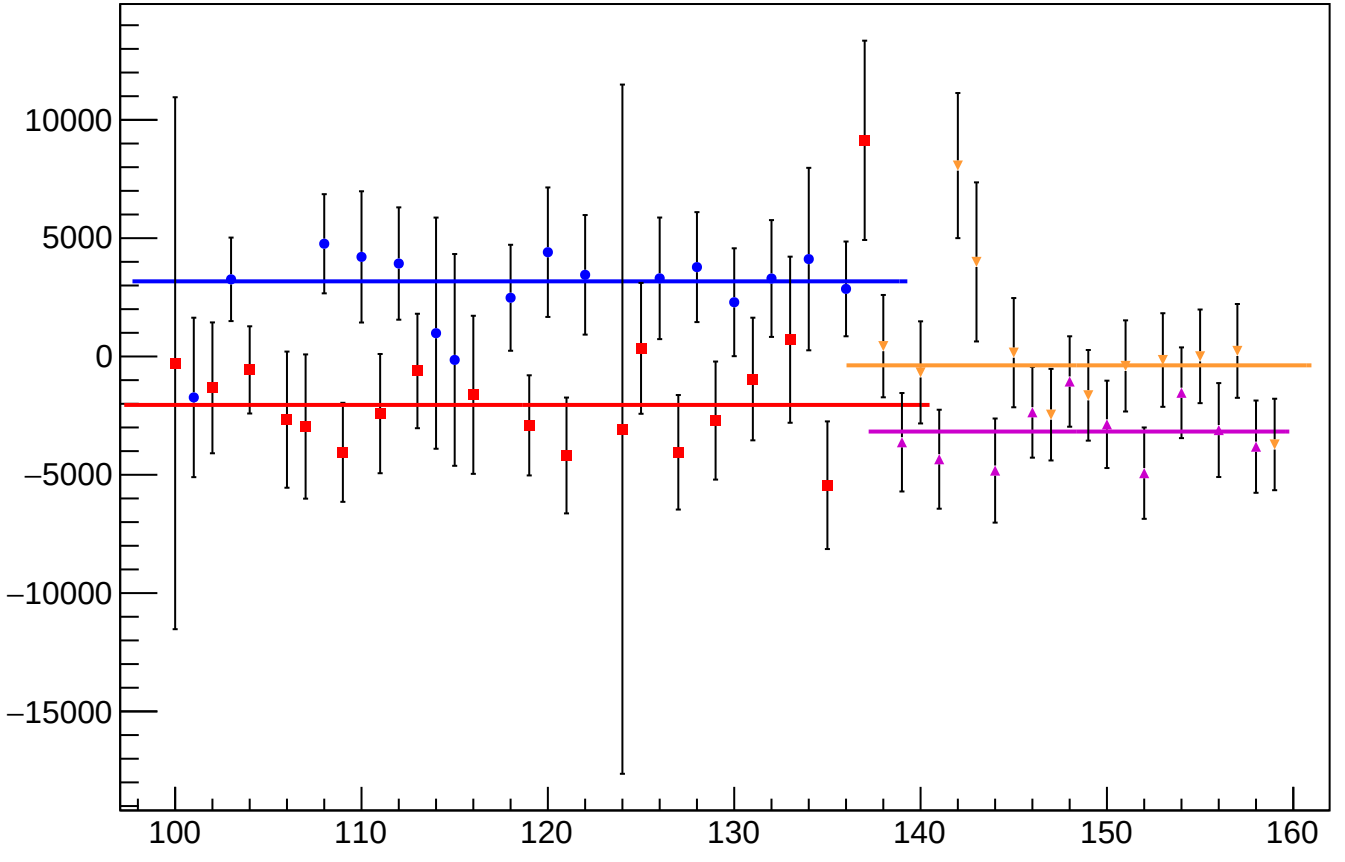
Left In: 8475.014+/-2.061 χ^2/NDF:447565.8/9

+ sign 7117.439+/-1.285 χ^2/NDF: 2564870.5/27

All: 7296.614+/-0.933 χ^2/NDF: 4160189.3/56

- sign 7496.512+/-1.357 χ^2/NDF: 1554175.4/28

eigen_cor_asym_at2_avg_mean vs Slug



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

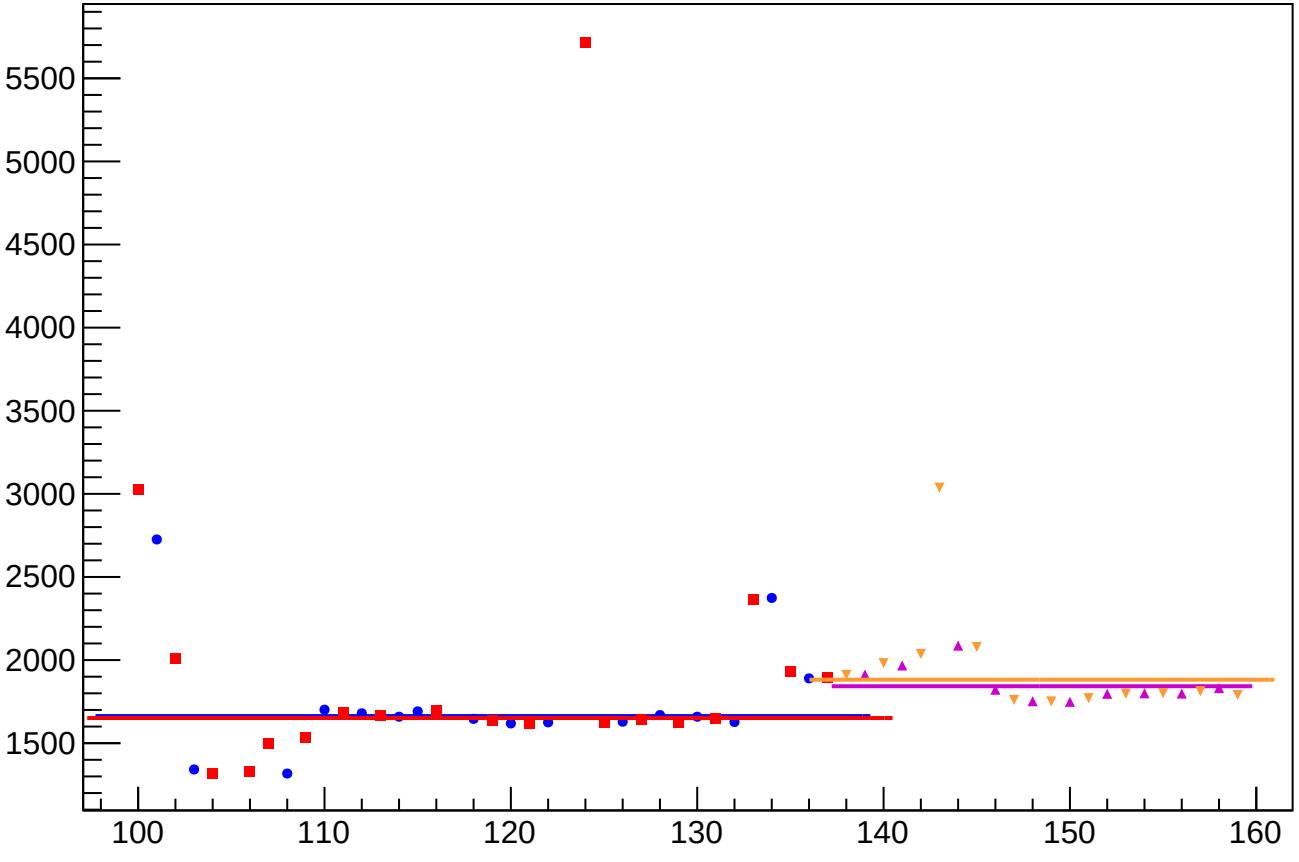
Left In: -3172.653+/-624.721 χ^2/NDF:4.0/9

+ sign 1360.412+/-438.994 χ^2/NDF: 34.9/27

All: -616.057+/-310.982 χ^2/NDF: 95.3/56

- sign -2607.020+/-440.601 χ^2/NDF: 19.7/28

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

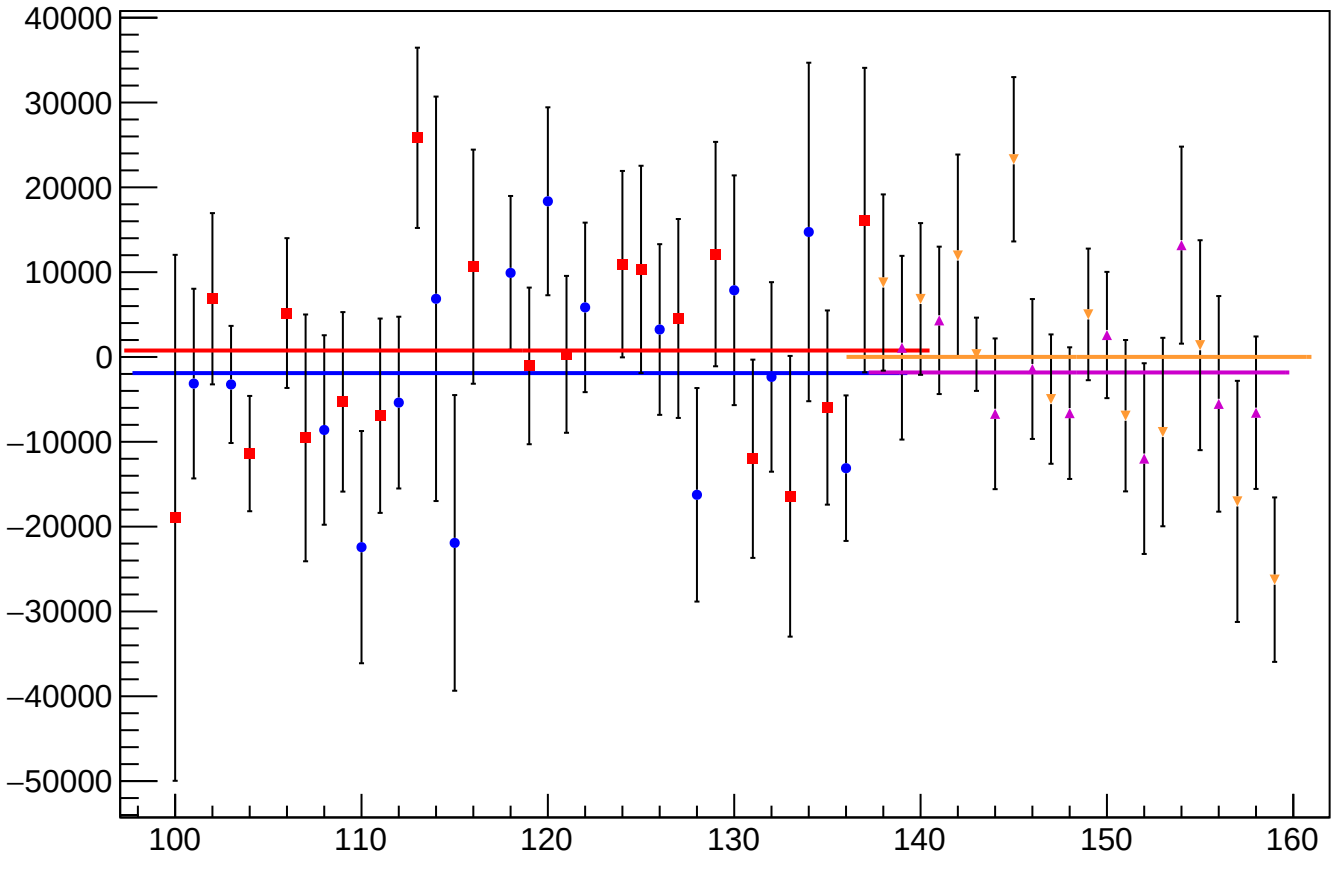
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1842.564+/-0.442 χ^2/NDF:47115.8/9

+ sign 1774.929+/-0.310 χ^2/NDF: 838491.0/27

All: 1760.741+/-0.220 χ^2/NDF: 1415962.4/56

- sign 1746.448+/-0.312 χ^2/NDF: 573277.5/28



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

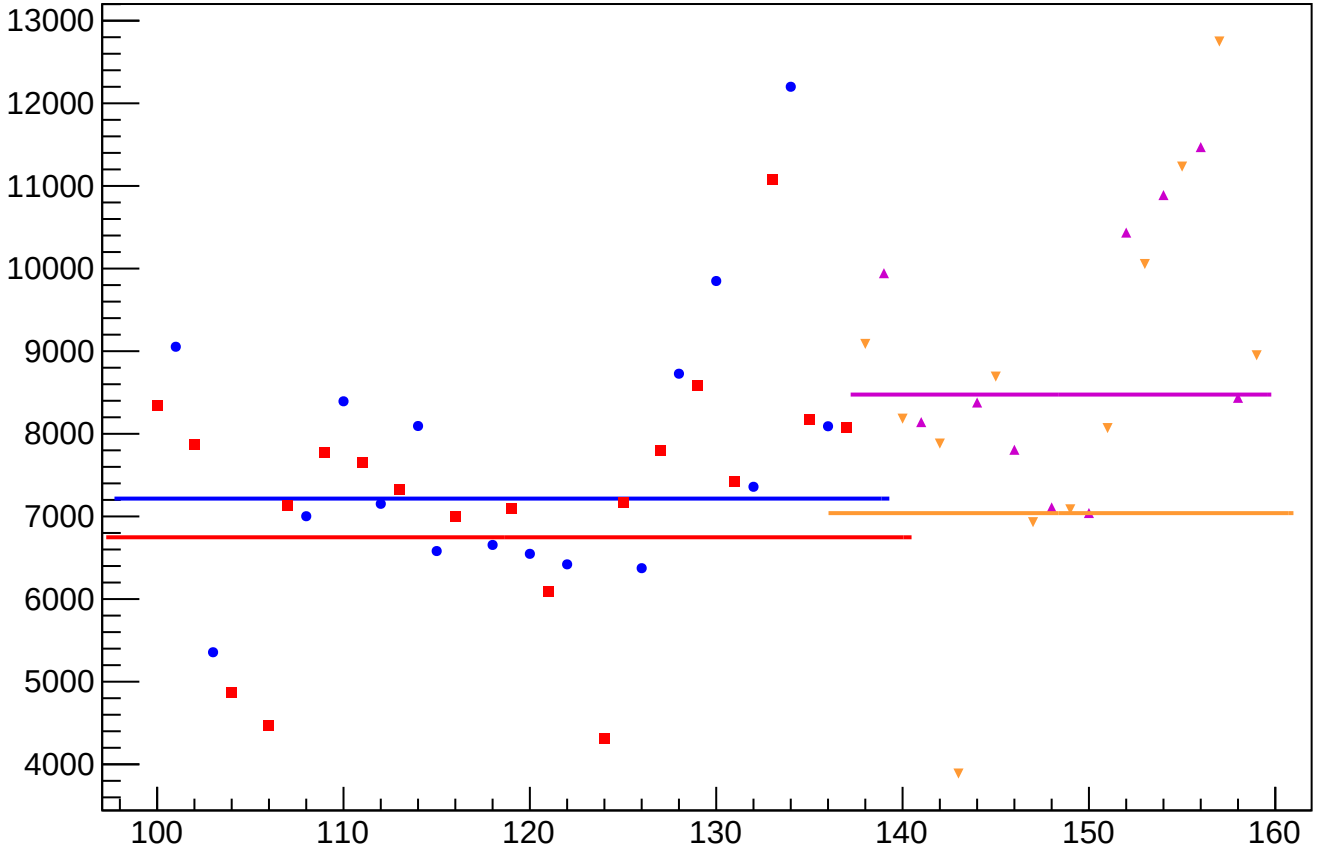
Left In: -1825.902+/-2914.981 χ^2/NDF:4.5/9

+ sign -830.225+/-1817.038 χ^2/NDF: 33.6/27

All: -607.761+/-1319.494 χ^2/NDF: 55.8/56

- sign -359.566+/-1919.245 χ^2/NDF: 22.2/28

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

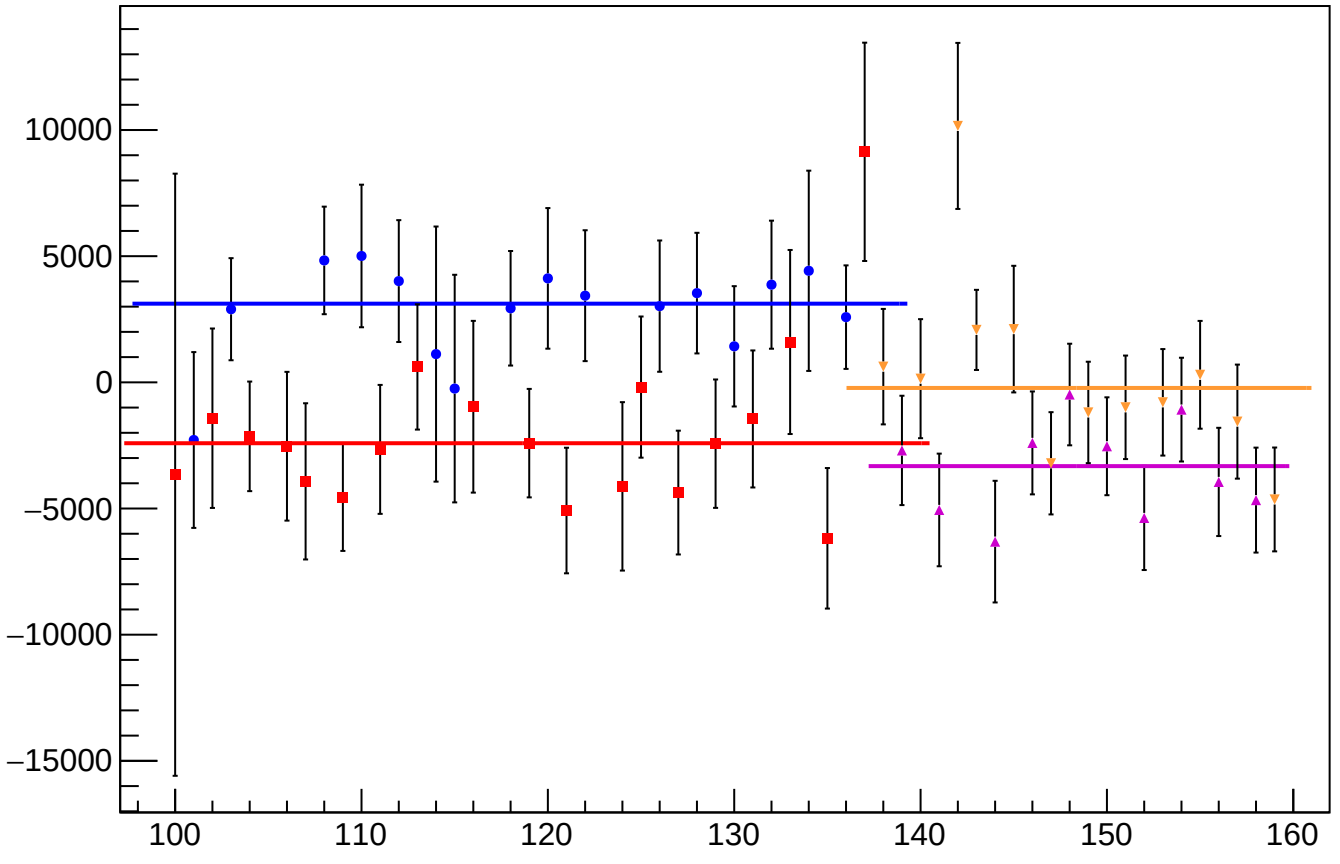
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8475.014+/-2.061 χ^2/NDF:447565.8/9

\+ sign 7117.439+/-1.285 χ^2/NDF: 2564870.5/27

All: 7296.614+/-0.933 χ^2/NDF: 4160189.3/56

\- sign 7496.512+/-1.357 χ^2/NDF: 1554175.4/28



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

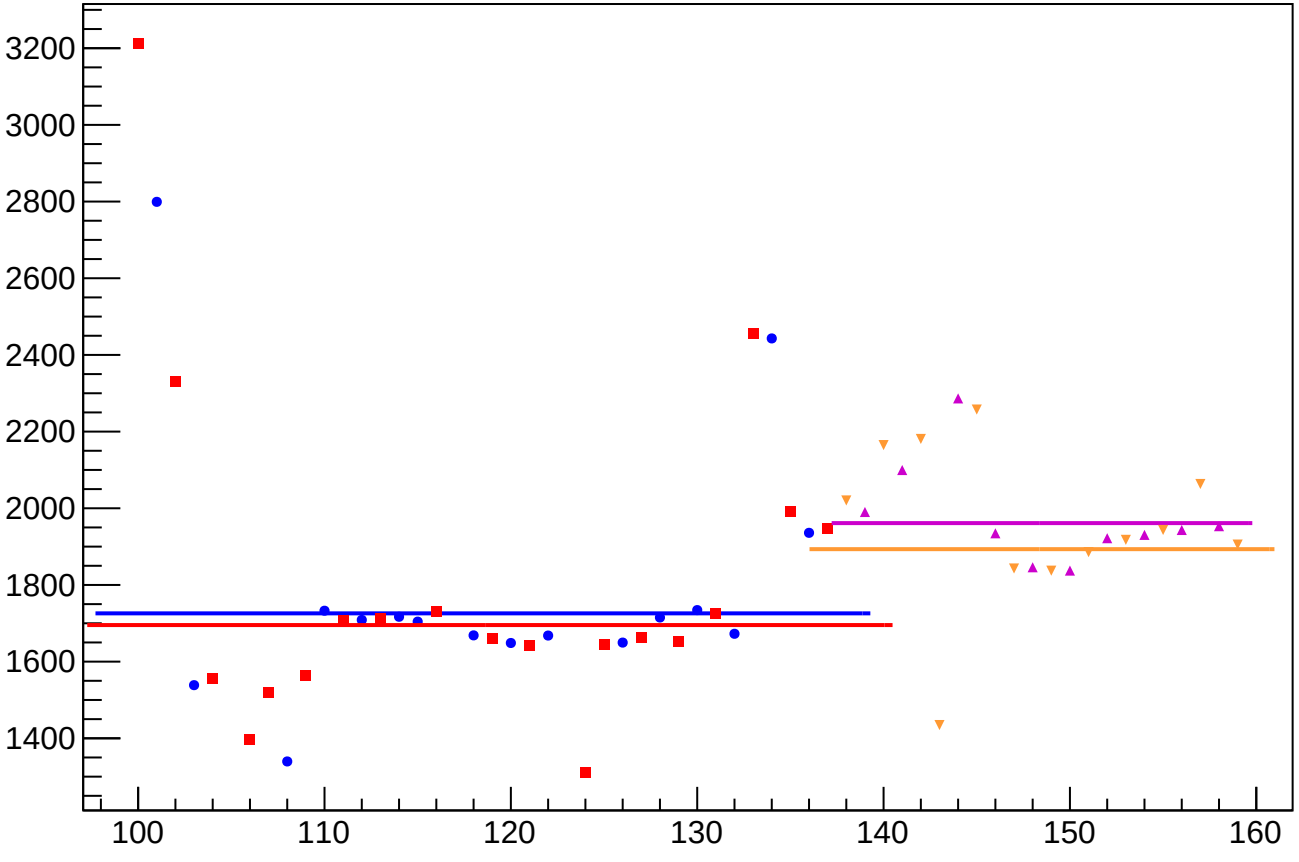
Left In: -3320.073+/-665.378 χ^2/NDF:7.3/9

+ sign 1359.345+/-448.027 χ^2/NDF: 39.9/27

All: -684.761+/-321.254 χ^2/NDF: 107.0/56

- sign -2847.939+/-460.891 χ^2/NDF: 24.2/28

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

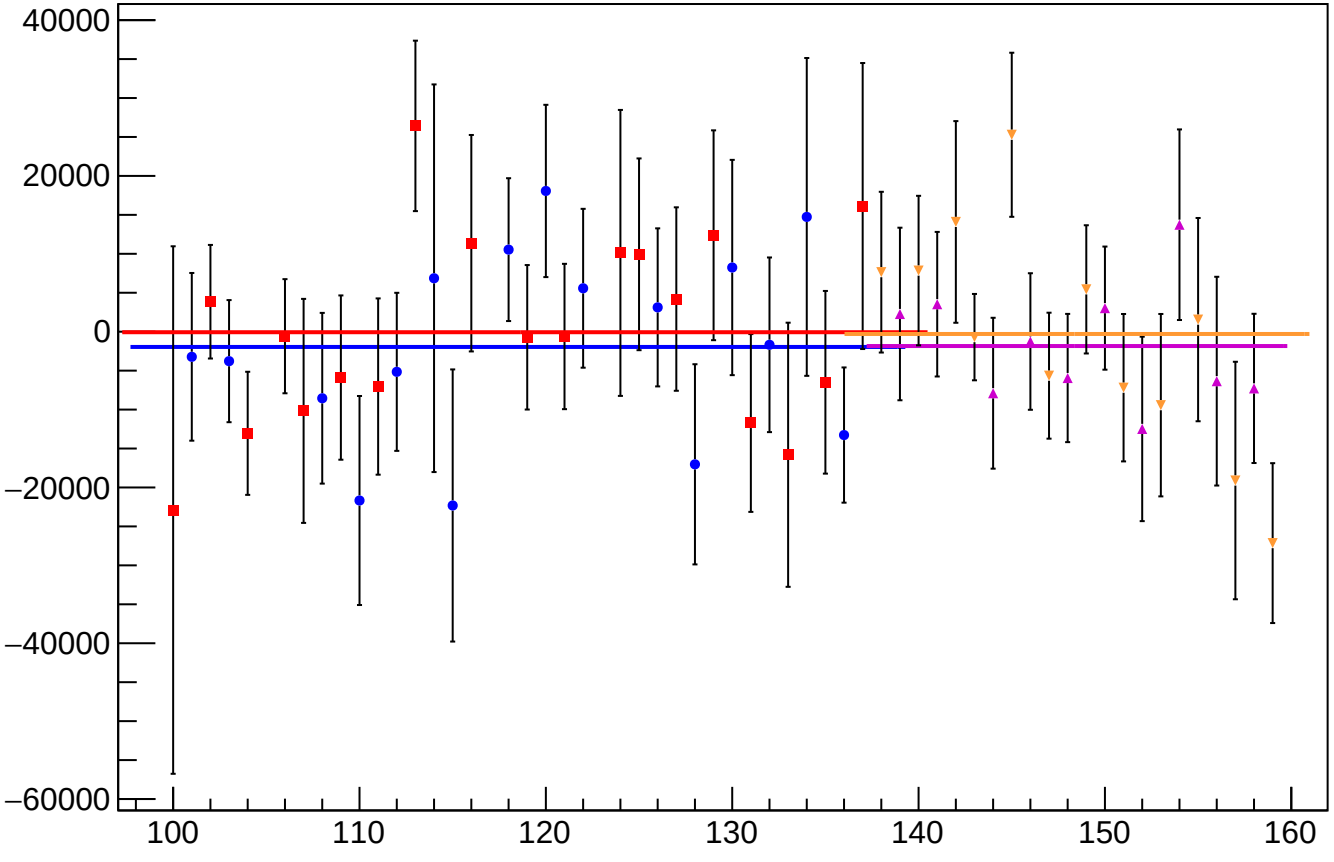
Left In: 1961.315+/-0.470 χ^2/NDF:60862.5/9

+ sign 1814.083+/-0.317 χ^2/NDF: 707847.5/27

All: 1818.382+/-0.227 χ^2/NDF: 1220955.1/56

- sign 1822.930+/-0.326 χ^2/NDF: 512728.7/28

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

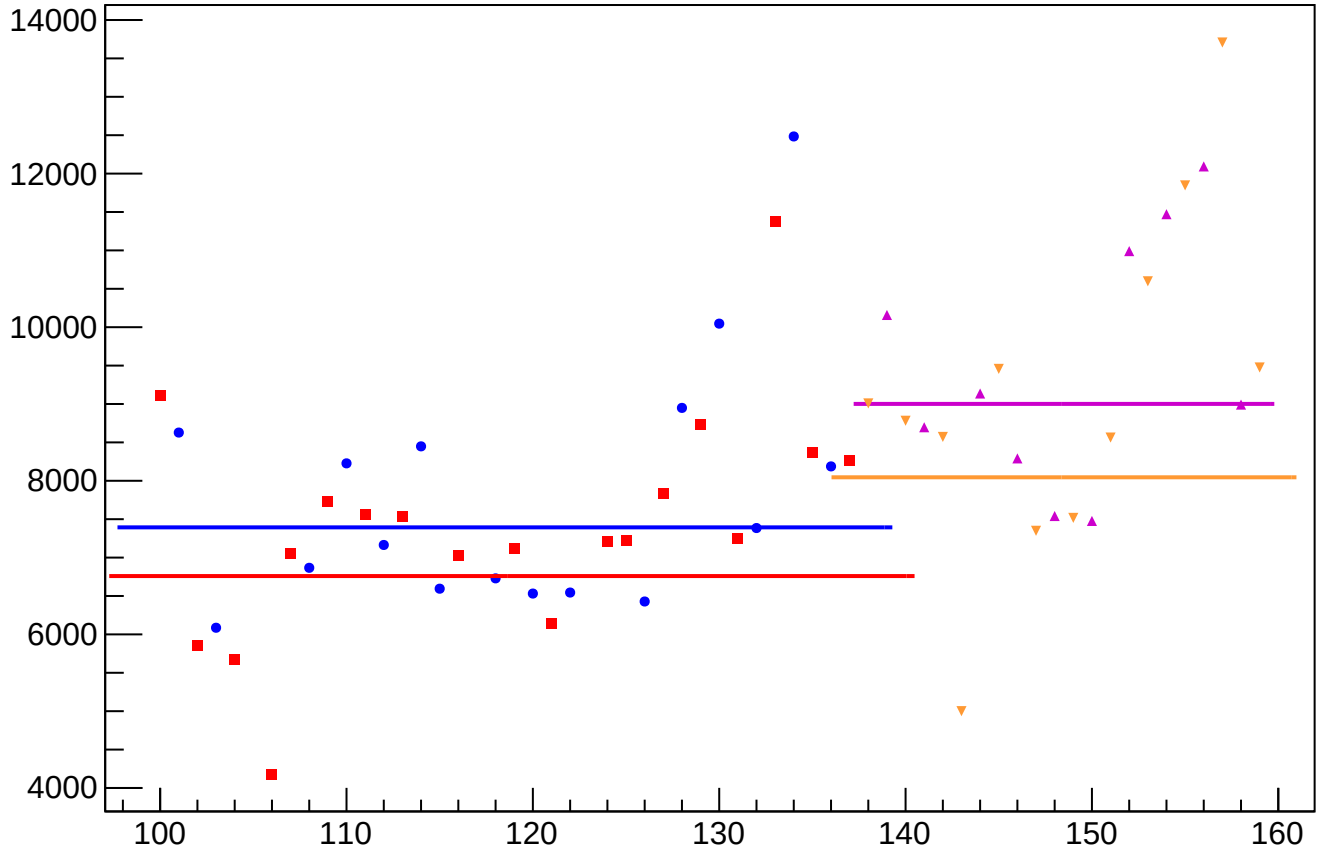
Left In: -1841.841+/-3093.766 χ^2/NDF:4.4/9

+ sign -1100.029+/-1947.523 χ^2/NDF: 33.5/27

All: -940.300+/-1380.896 χ^2/NDF: 54.1/56

- sign -778.802+/-1958.284 χ^2/NDF: 20.7/28

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

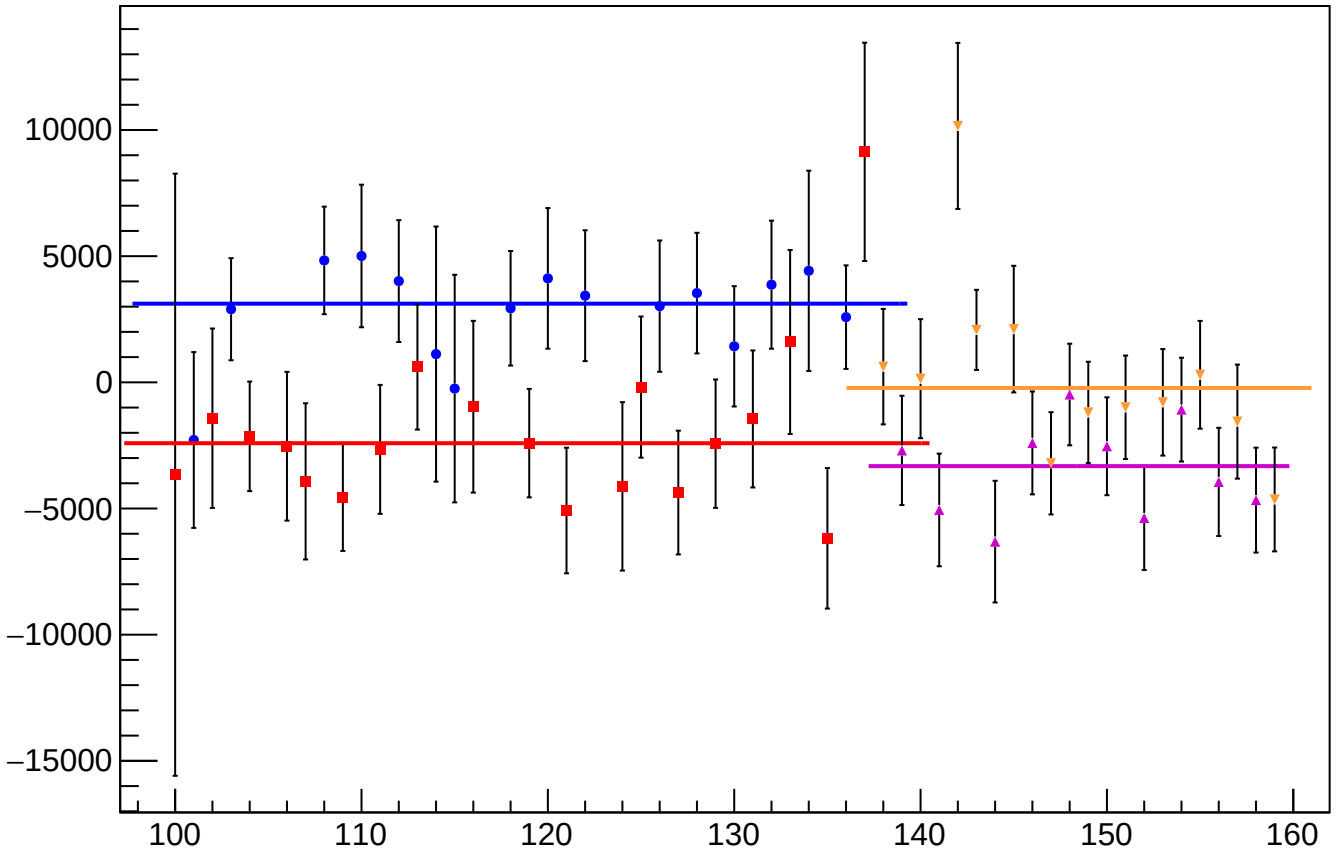
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9001.177+/-2.188 χ^2/NDF:419254.5/9

+ sign 7729.714+/-1.377 χ^2/NDF: 1737996.4/27

All: 7693.860+/-0.976 χ^2/NDF: 3432269.2/56

- sign 7657.608+/-1.385 χ^2/NDF: 1692909.6/28



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

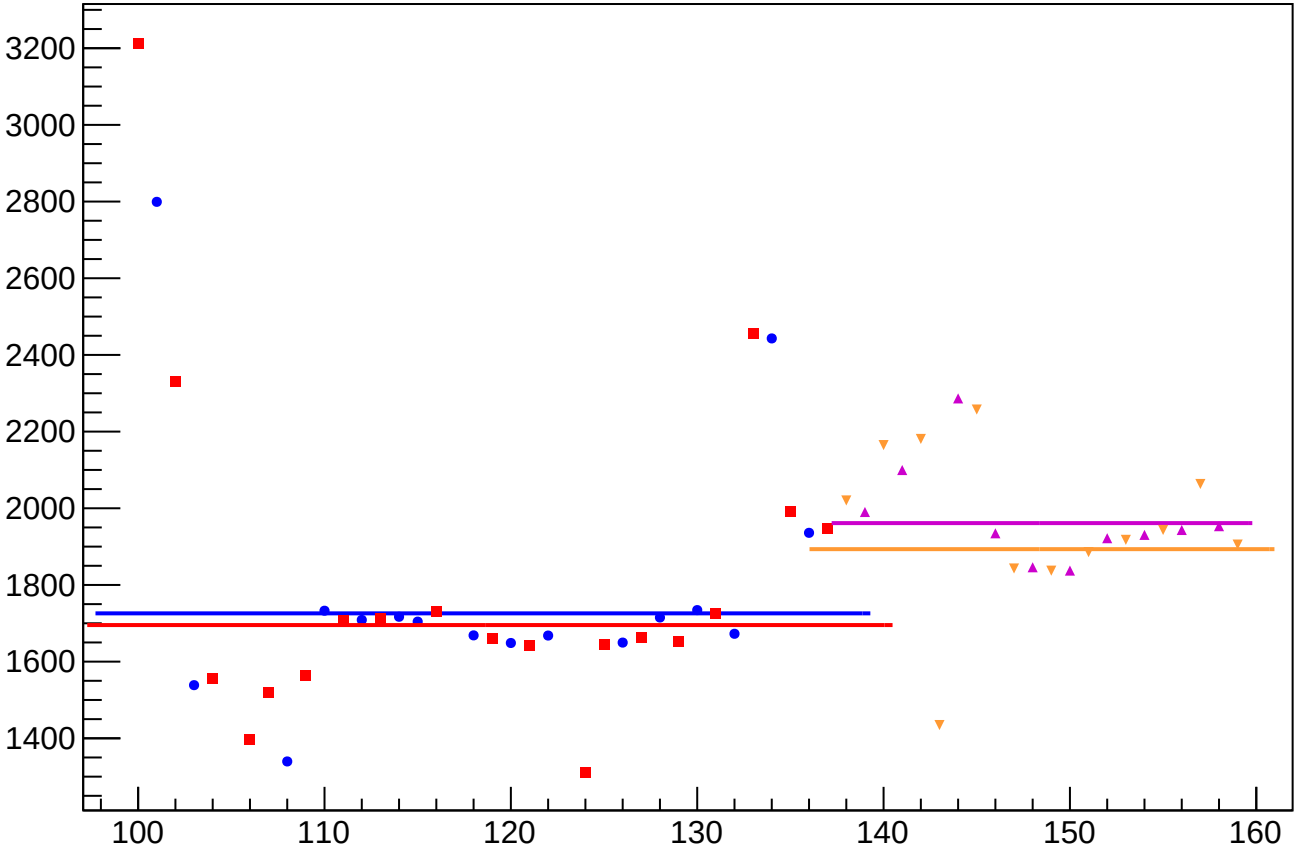
Left In: -3320.073+/-665.379 χ^2/NDF:7.3/9

+ sign 1359.344+/-448.027 χ^2/NDF: 39.9/27

All: -684.763+/-321.255 χ^2/NDF: 107.0/56

- sign -2847.942+/-460.891 χ^2/NDF: 24.2/28

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

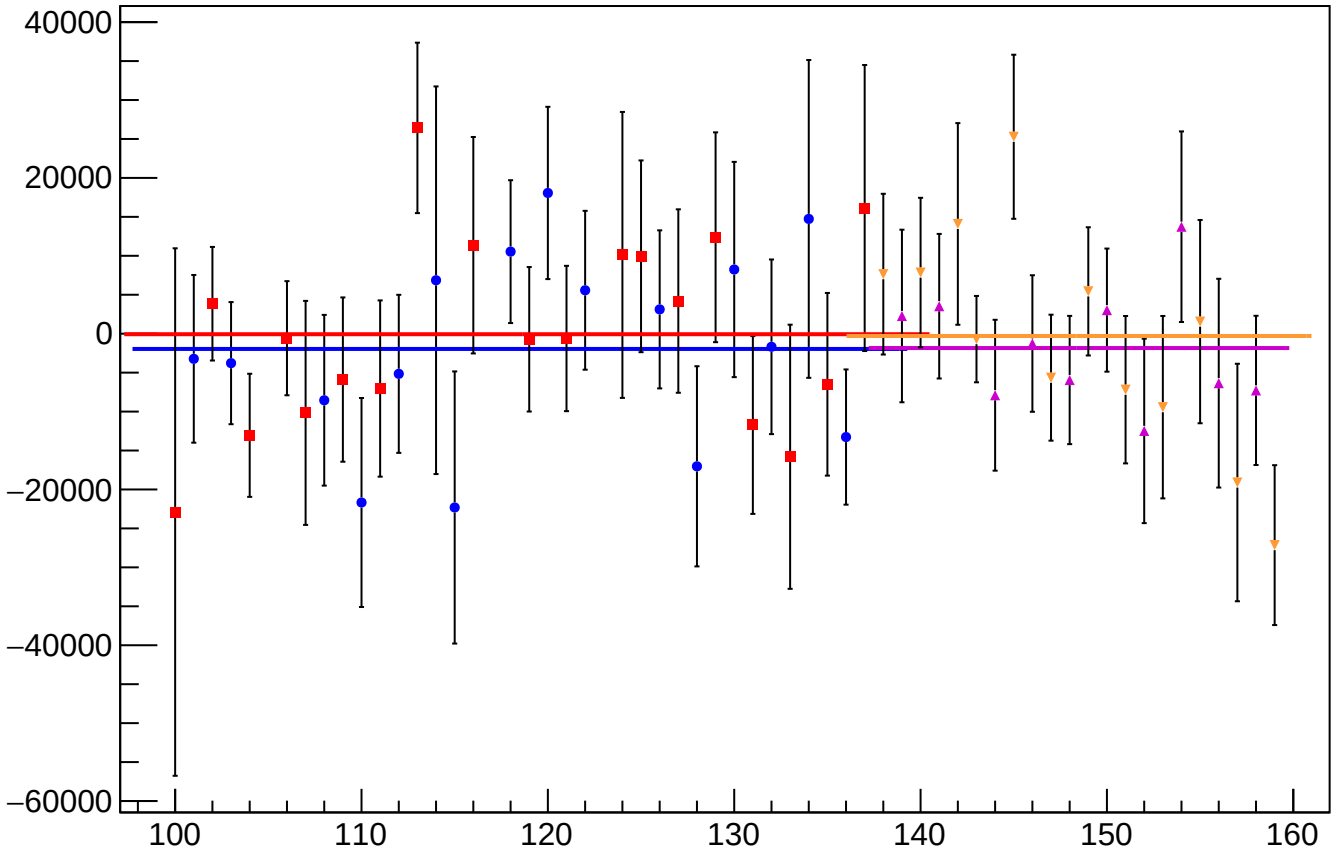
Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1961.318+/-0.470 χ^2/NDF:60862.8/9

+ sign 1814.084+/-0.317 χ^2/NDF: 707851.2/27

All: 1818.383+/-0.227 χ^2/NDF: 1220963.3/56

- sign 1822.931+/-0.326 χ^2/NDF: 512733.2/28



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

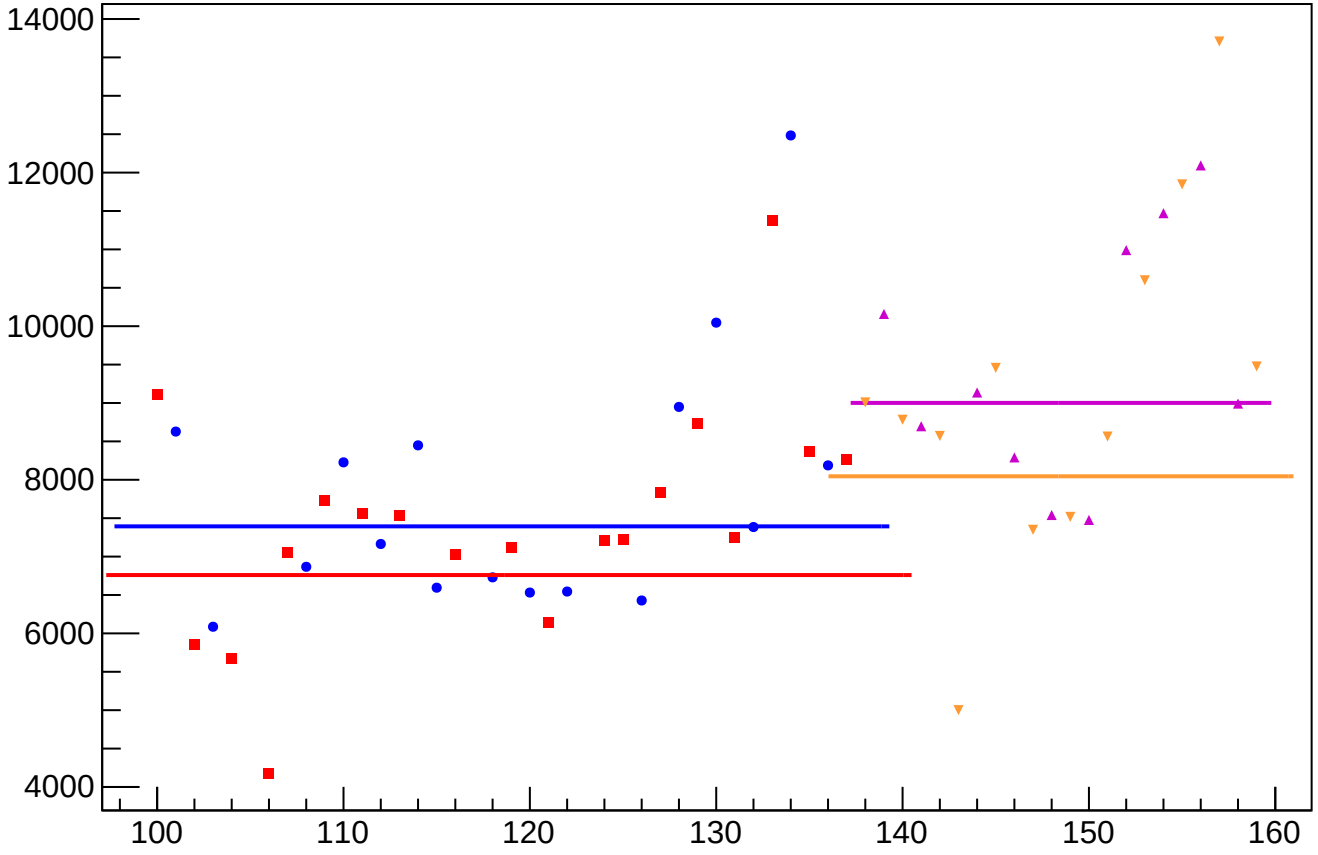
Left In: -1841.841+/-3093.770 χ^2/NDF:4.4/9

+ sign -1100.027+/-1947.522 χ^2/NDF: 33.5/27

All: -940.300+/-1380.895 χ^2/NDF: 54.1/56

- sign -778.803+/-1958.283 χ^2/NDF: 20.7/28

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

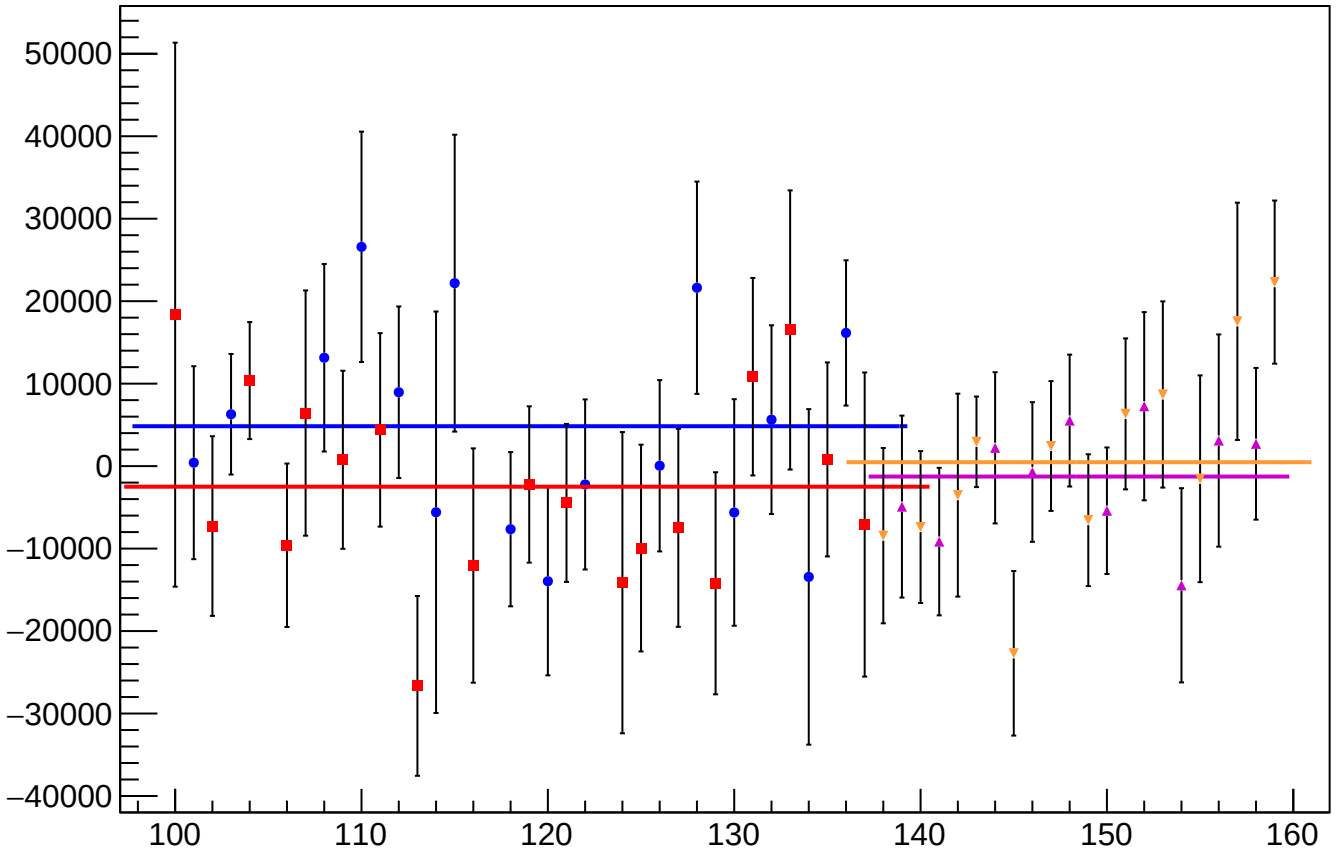
Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9001.189+/-2.188 χ^2/NDF:419255.0/9

+ sign 7729.711+/-1.377 χ^2/NDF: 1738002.9/27

All: 7693.854+/-0.976 χ^2/NDF: 3432289.9/56

- sign 7657.601+/-1.385 χ^2/NDF: 1692923.7/28



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

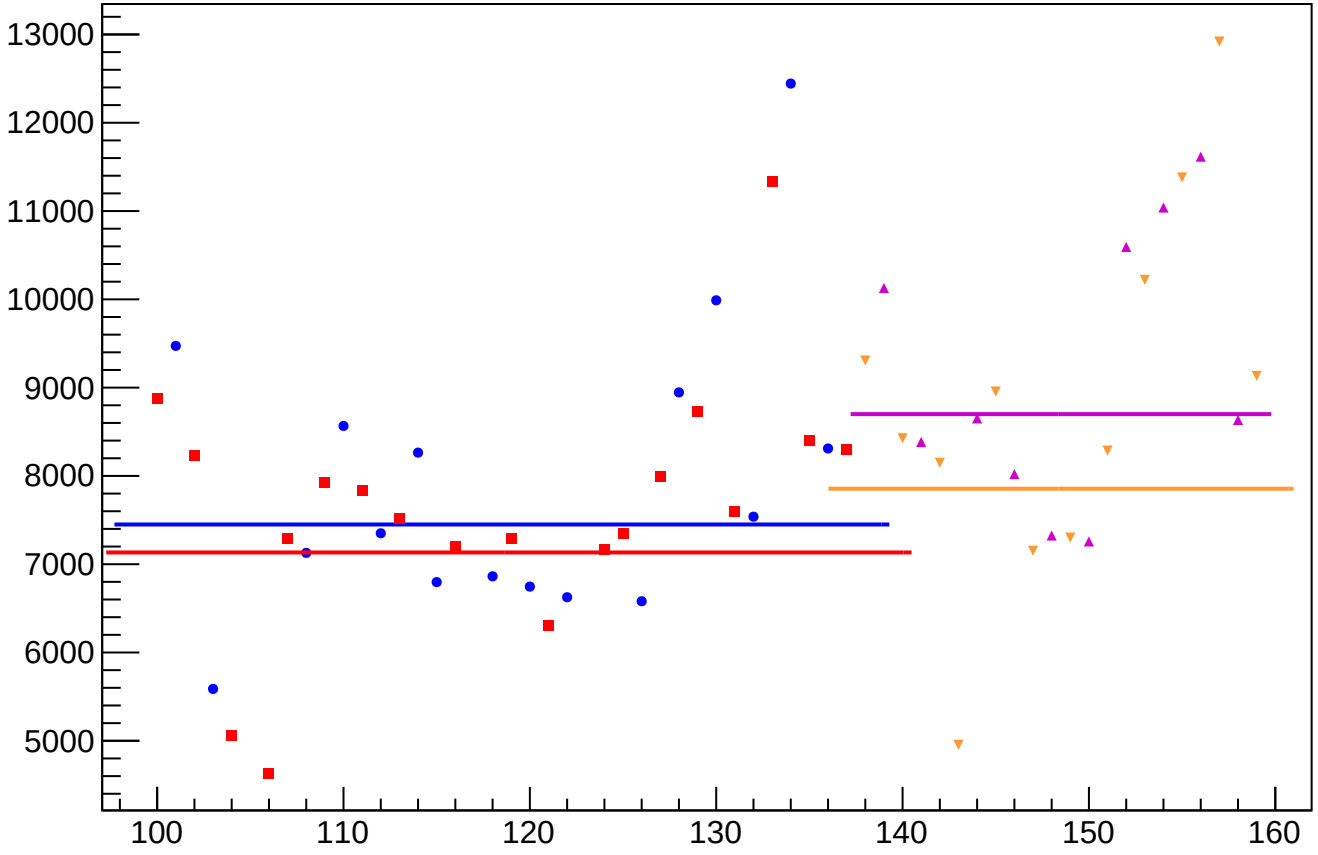
Left In: -1264.804+/-2988.830 χ^2/NDF:4.2/9

+ sign 2506.215+/-1930.134 χ^2/NDF: 30.8/27

All: 362.252+/-1389.426 χ^2/NDF: 52.6/56

- sign -1943.674+/-2001.712 χ^2/NDF: 19.2/28

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

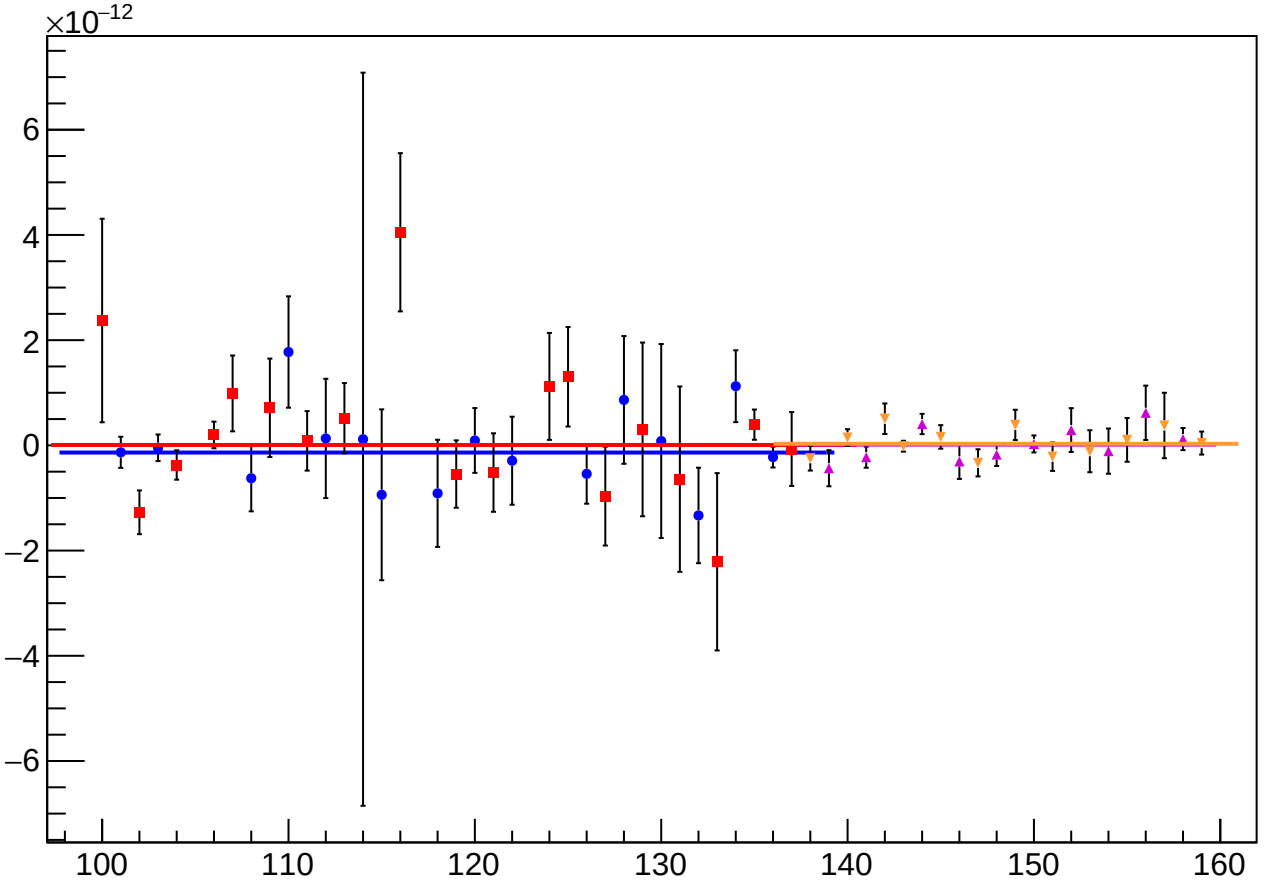
Left In: 8700.020+/-2.113 χ^2/NDF:415619.2/9

\+ sign 7666.620+/-1.365 χ^2/NDF: 1694466.3/27

All: 7748.172+/-0.982 χ^2/NDF: 2977637.2/56

\- sign 7835.879+/-1.415 χ^2/NDF: 1275760.4/28

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

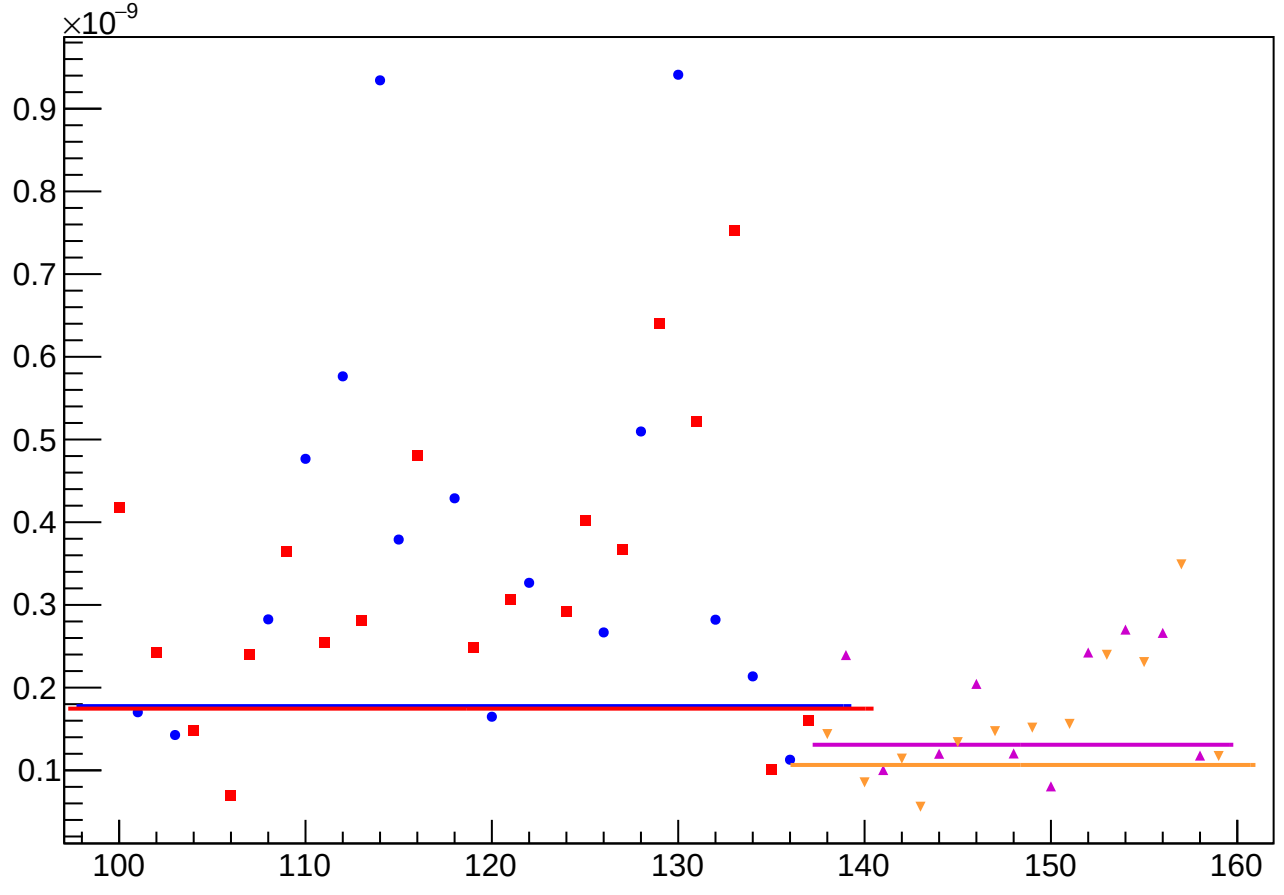
Left In: 0.000+/-0.000 χ^2/NDF:11.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/27

All: 0.000+/-0.000 χ^2/NDF: 66.9/56

- sign 0.000+/-0.000 χ^2/NDF: 43.8/28

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

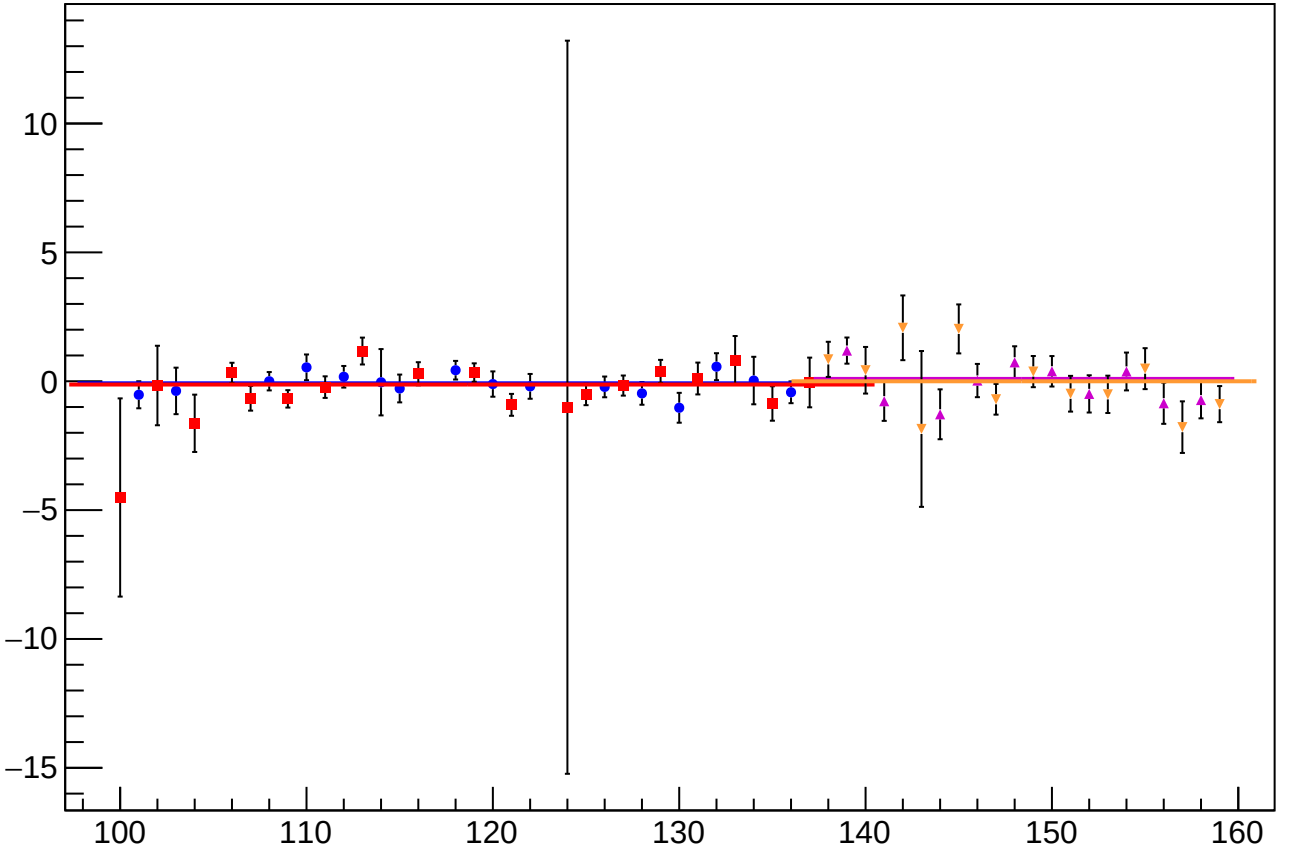
Left In: 0.000+/-0.000 χ^2/NDF:1046344.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3557686.8/27

All: 0.000+/-0.000 χ^2/NDF: 6554919.5/56

- sign 0.000+/-0.000 χ^2/NDF: 2868109.5/28

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

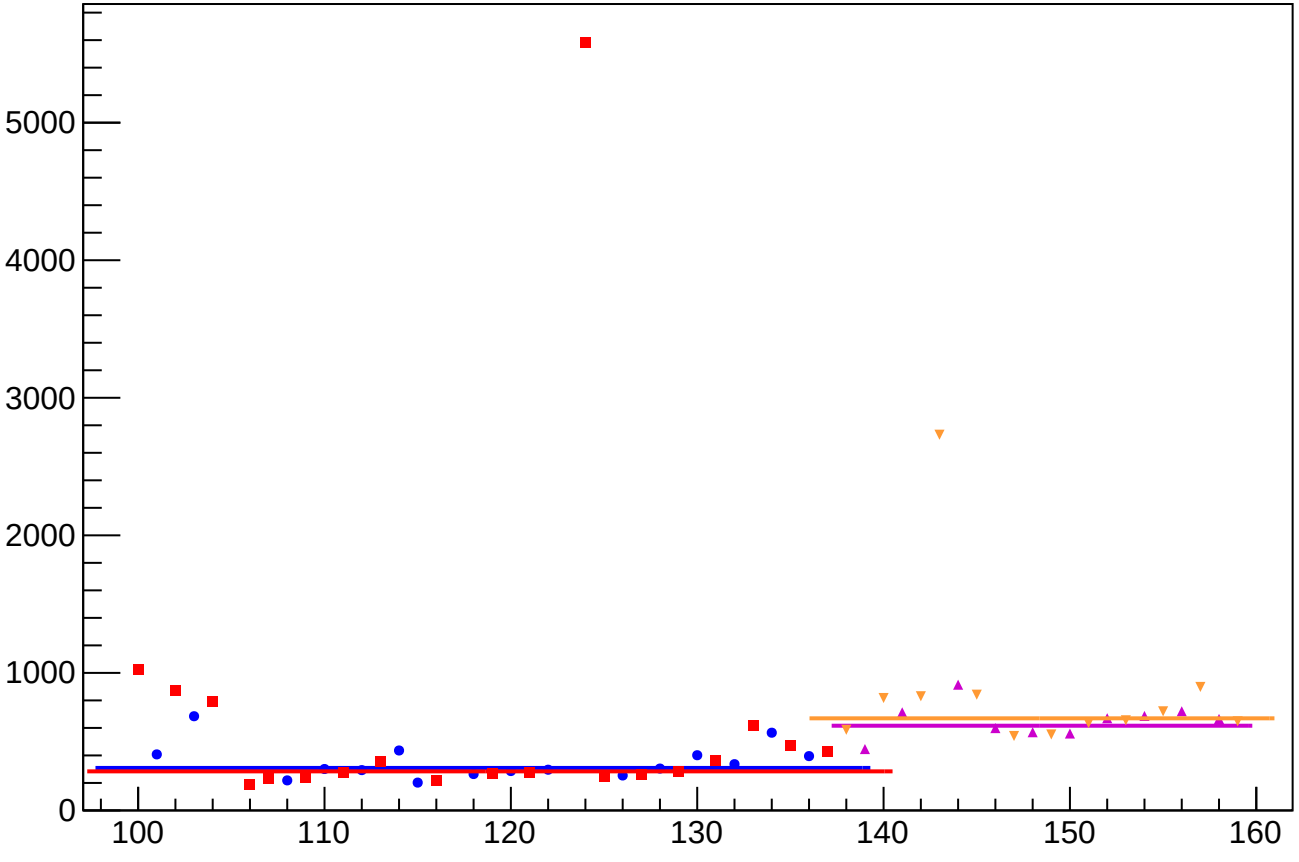
Left In: 0.090+/-0.214 χ^2/NDF:12.8/9

+ sign -0.062+/-0.107 χ^2/NDF: 28.2/27

All: -0.070+/-0.074 χ^2/NDF: 67.1/56

- sign -0.078+/-0.103 χ^2/NDF: 38.9/28

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

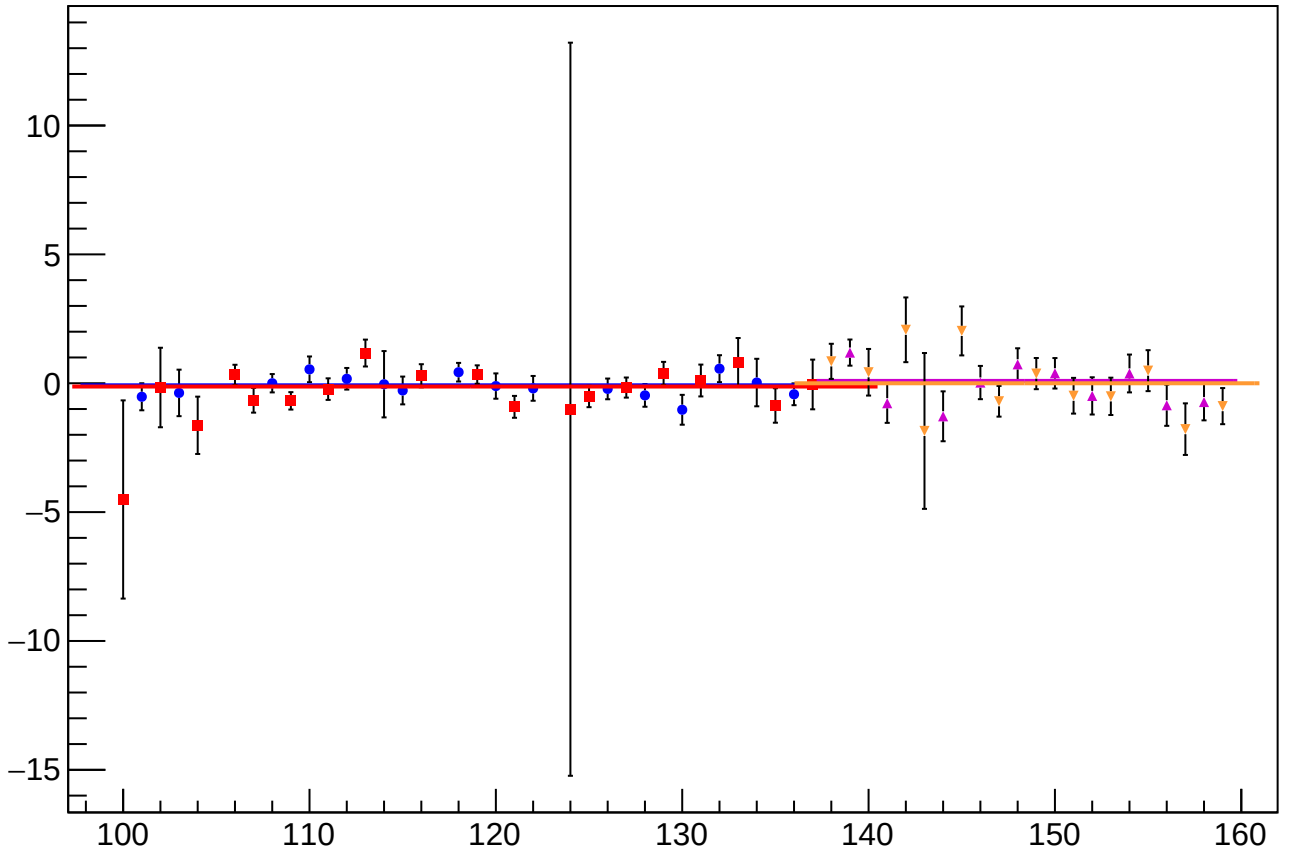
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 615.985+/-0.151 χ^2/NDF:551639.9/9

+ sign 389.685+/-0.076 χ^2/NDF: 6327798.1/27

All: 374.397+/-0.052 χ^2/NDF: 12515546.7/56

- sign 360.442+/-0.073 χ^2/NDF: 6110217.9/28



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

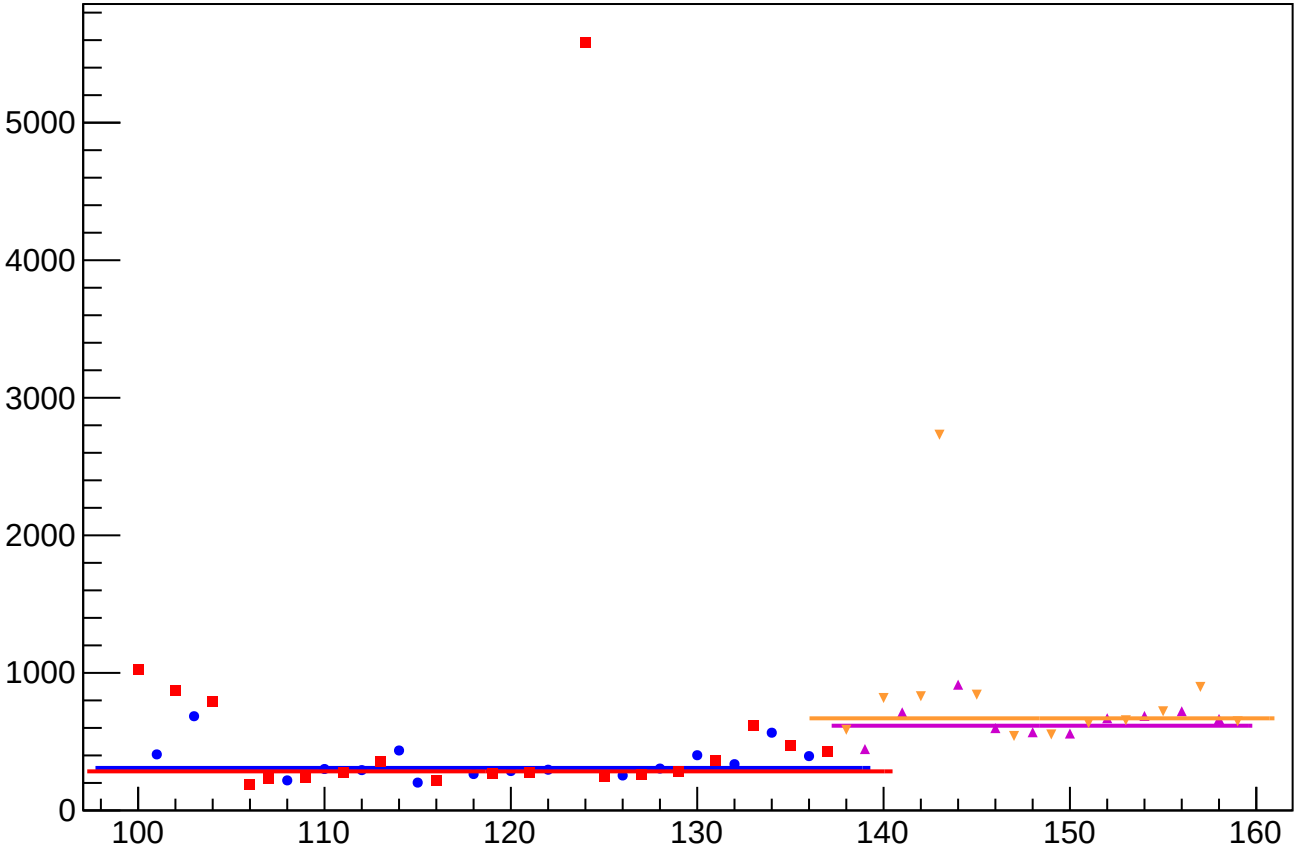
Left In: 0.090+/-0.214 χ^2/NDF:12.8/9

+ sign -0.062+/-0.107 χ^2/NDF: 28.2/27

All: -0.070+/-0.074 χ^2/NDF: 67.1/56

- sign -0.078+/-0.103 χ^2/NDF: 38.9/28

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

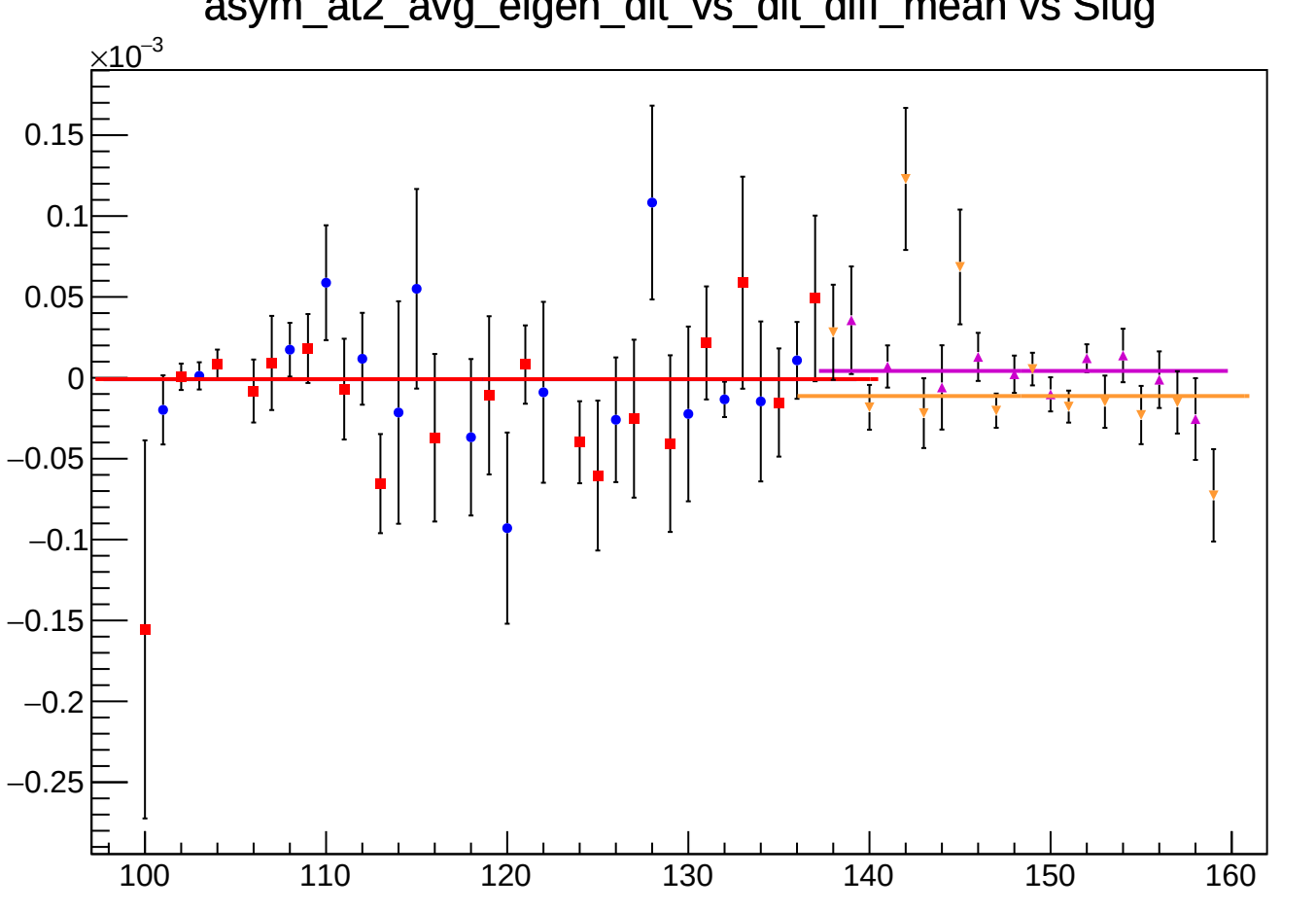
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 615.985+/-0.151 χ^2/NDF:551639.9/9

+ sign 389.685+/-0.076 χ^2/NDF: 6327798.1/27

All: 374.397+/-0.052 χ^2/NDF: 12515546.7/56

- sign 360.442+/-0.073 χ^2/NDF: 6110217.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.7/11

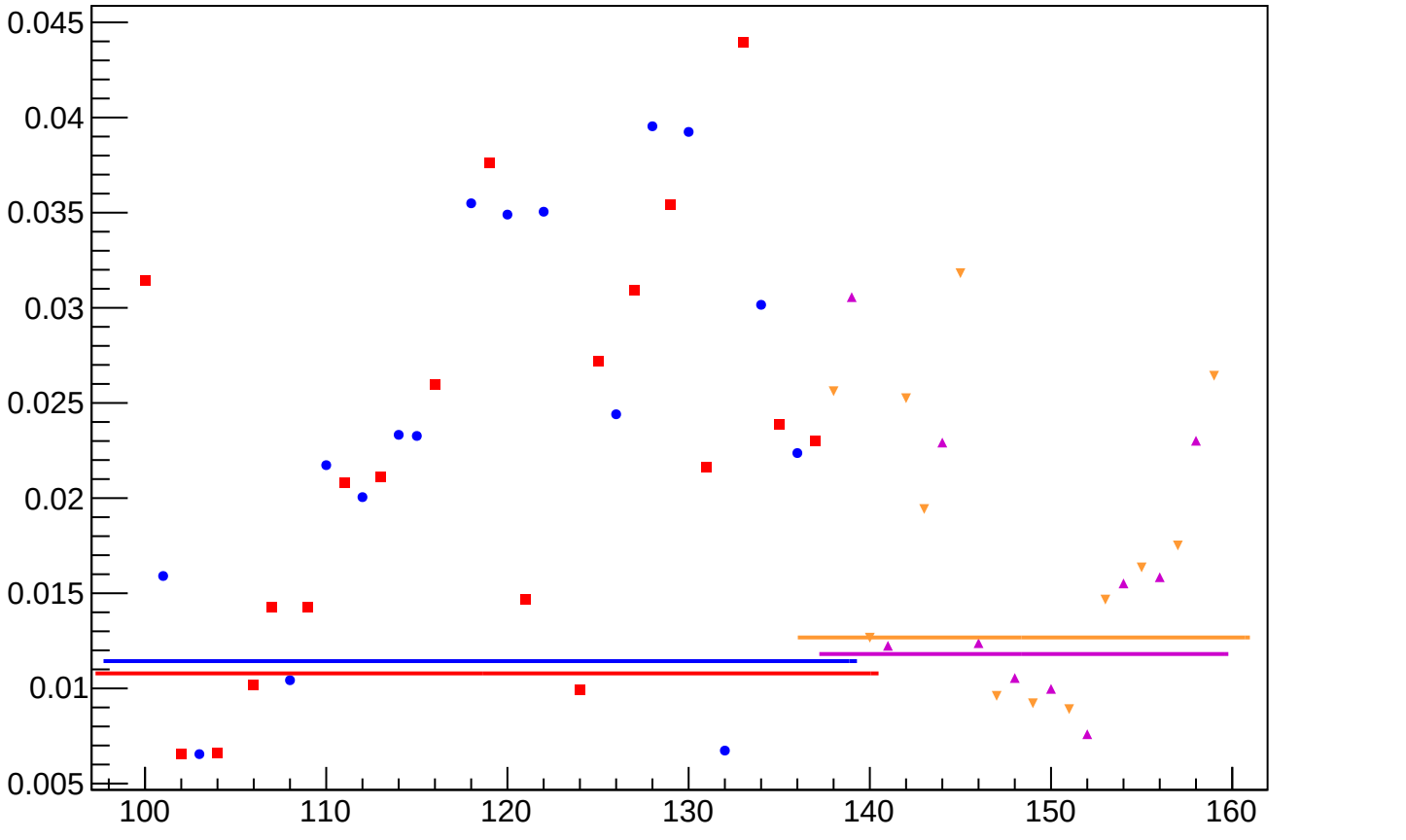
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

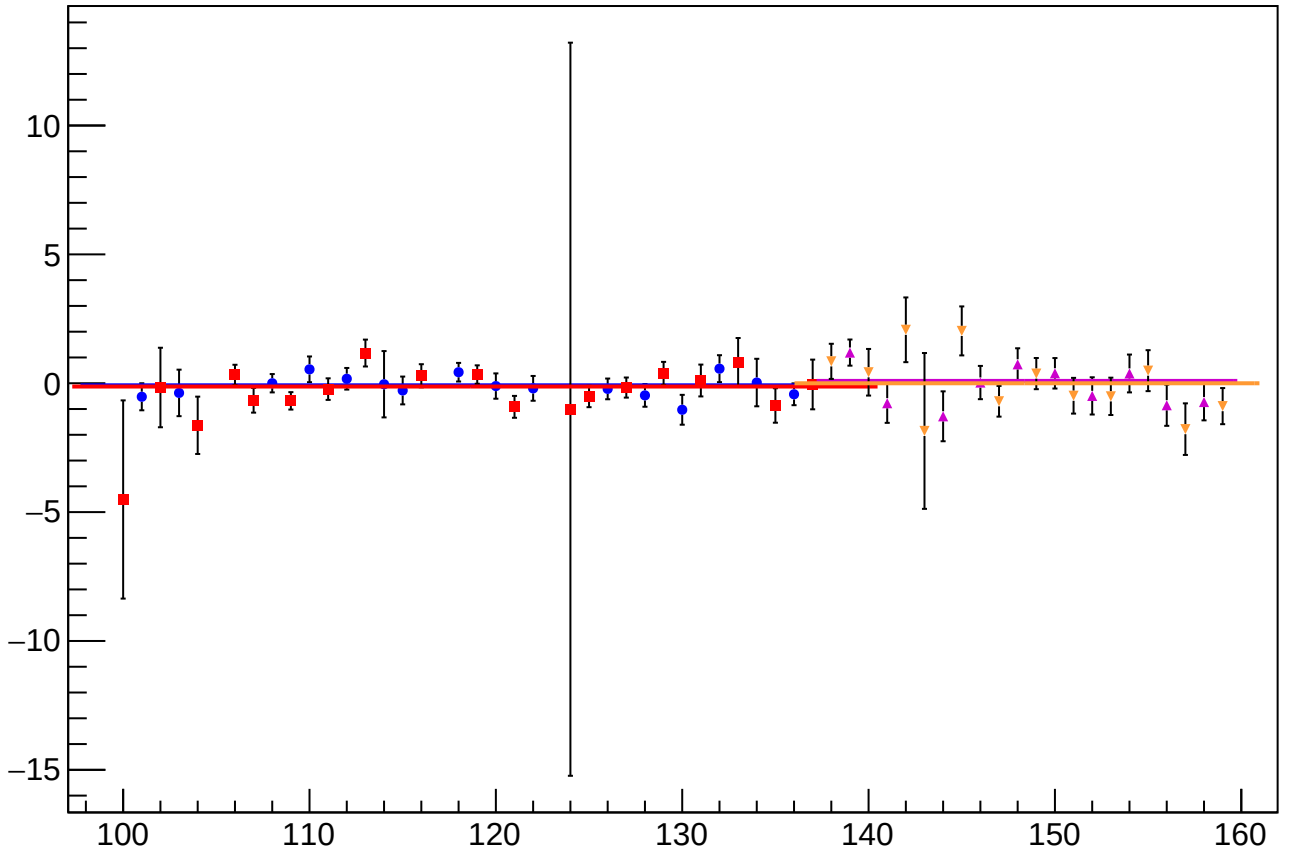
Left In: 0.000+/-0.000 χ^2/NDF:6.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 42.5/27

All: -0.000+/-0.000 χ^2/NDF: 68.7/56

- sign 0.000+/-0.000 χ^2/NDF: 22.7/28


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.011+/-0.000 χ²/NDF: 4699938.2/15
Left Out: 0.013+/-0.000 χ²/NDF:2726797.8/11
Right Out: 0.011+/-0.000 χ²/NDF: 4473688.9/18
Left In: 0.012+/-0.000 χ²/NDF:2169314.8/9
+ sign 0.012+/-0.000 χ²/NDF: 7490445.1/27
All: 0.012+/-0.000 χ²/NDF: 14241102.2/56
- sign 0.011+/-0.000 χ²/NDF: 6691354.7/28



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

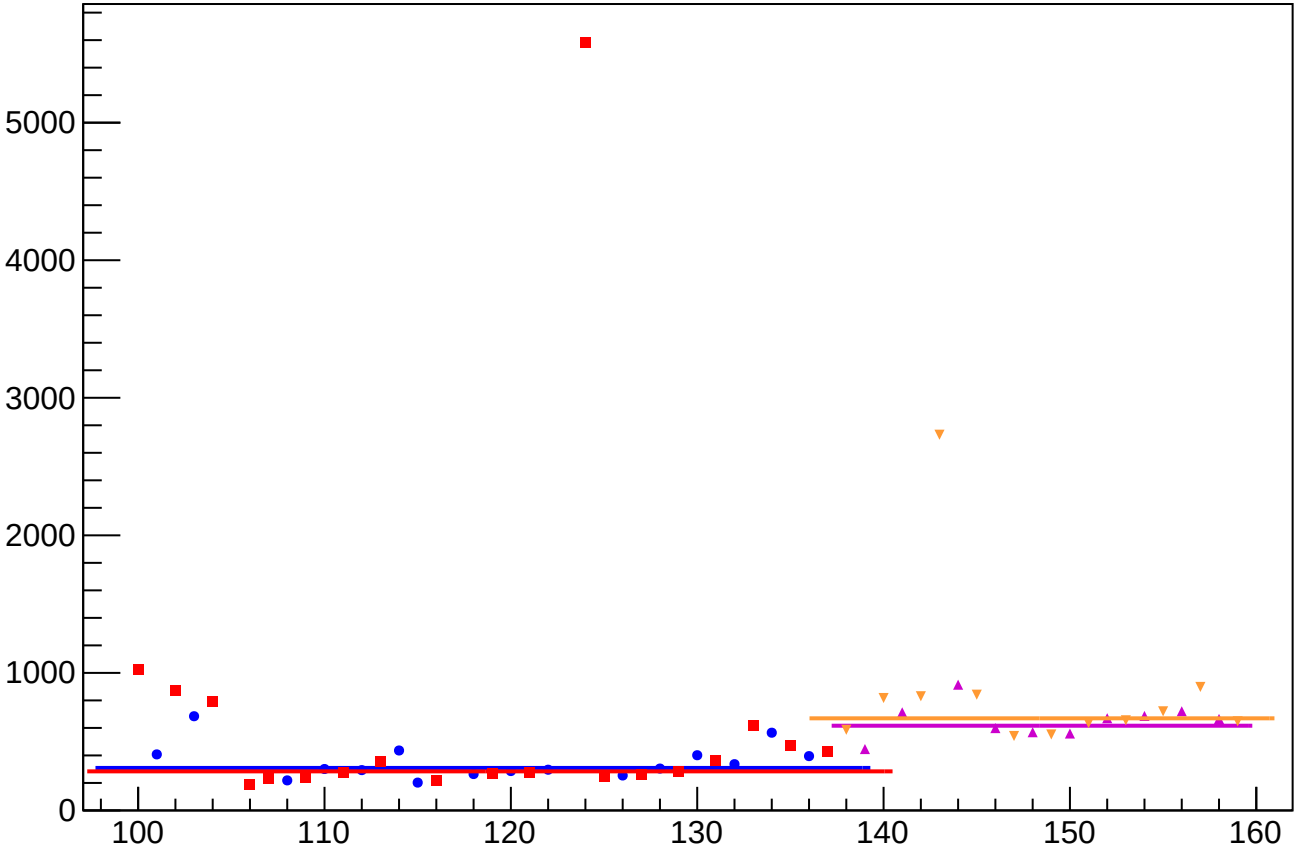
Left In: 0.090+/-0.214 χ^2/NDF:12.8/9

+ sign -0.062+/-0.107 χ^2/NDF: 28.2/27

All: -0.070+/-0.074 χ^2/NDF: 67.1/56

- sign -0.078+/-0.103 χ^2/NDF: 38.9/28

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

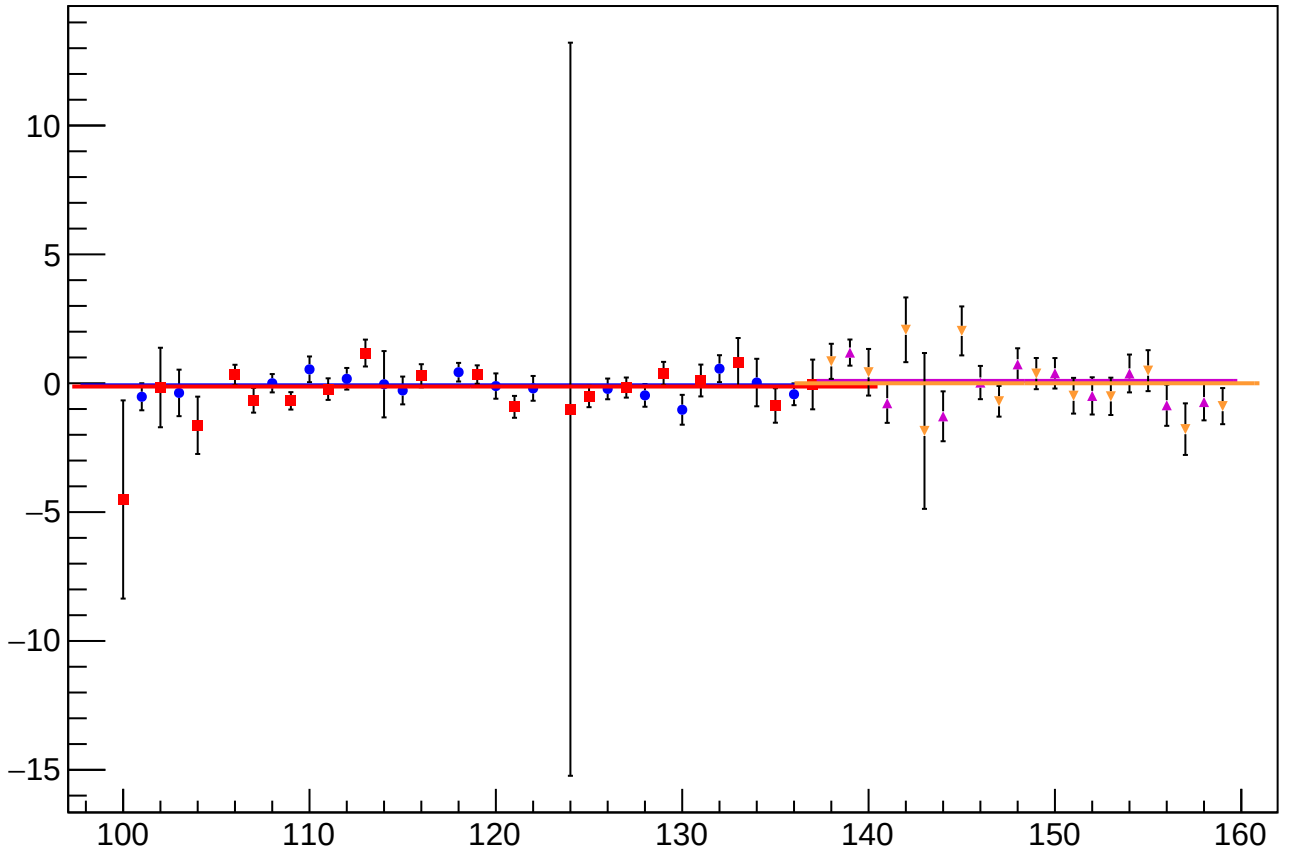
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 615.994+/-0.151 χ^2/NDF:551623.2/9

+ sign 389.684+/-0.076 χ^2/NDF: 6327891.5/27

All: 374.396+/-0.052 χ^2/NDF: 12515740.9/56

- sign 360.441+/-0.073 χ^2/NDF: 6110320.0/28



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.001+/-0.227 χ^2/NDF:17.3/11

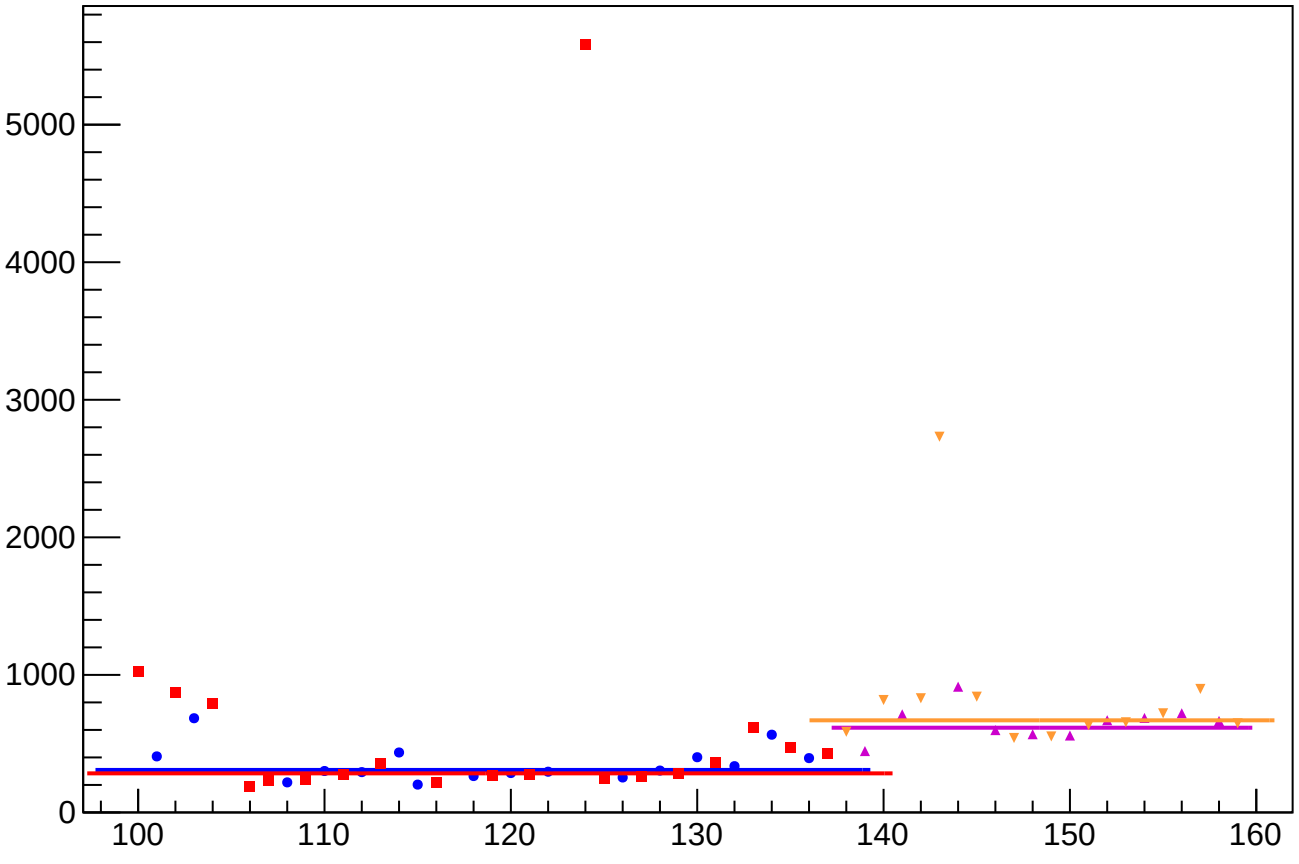
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.090+/-0.214 χ^2/NDF:12.8/9

+ sign -0.062+/-0.107 χ^2/NDF: 28.2/27

All: -0.070+/-0.074 χ^2/NDF: 67.1/56

- sign -0.078+/-0.103 χ^2/NDF: 38.9/28



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 669.744+/-0.161 χ^2/NDF:1399114.8/11

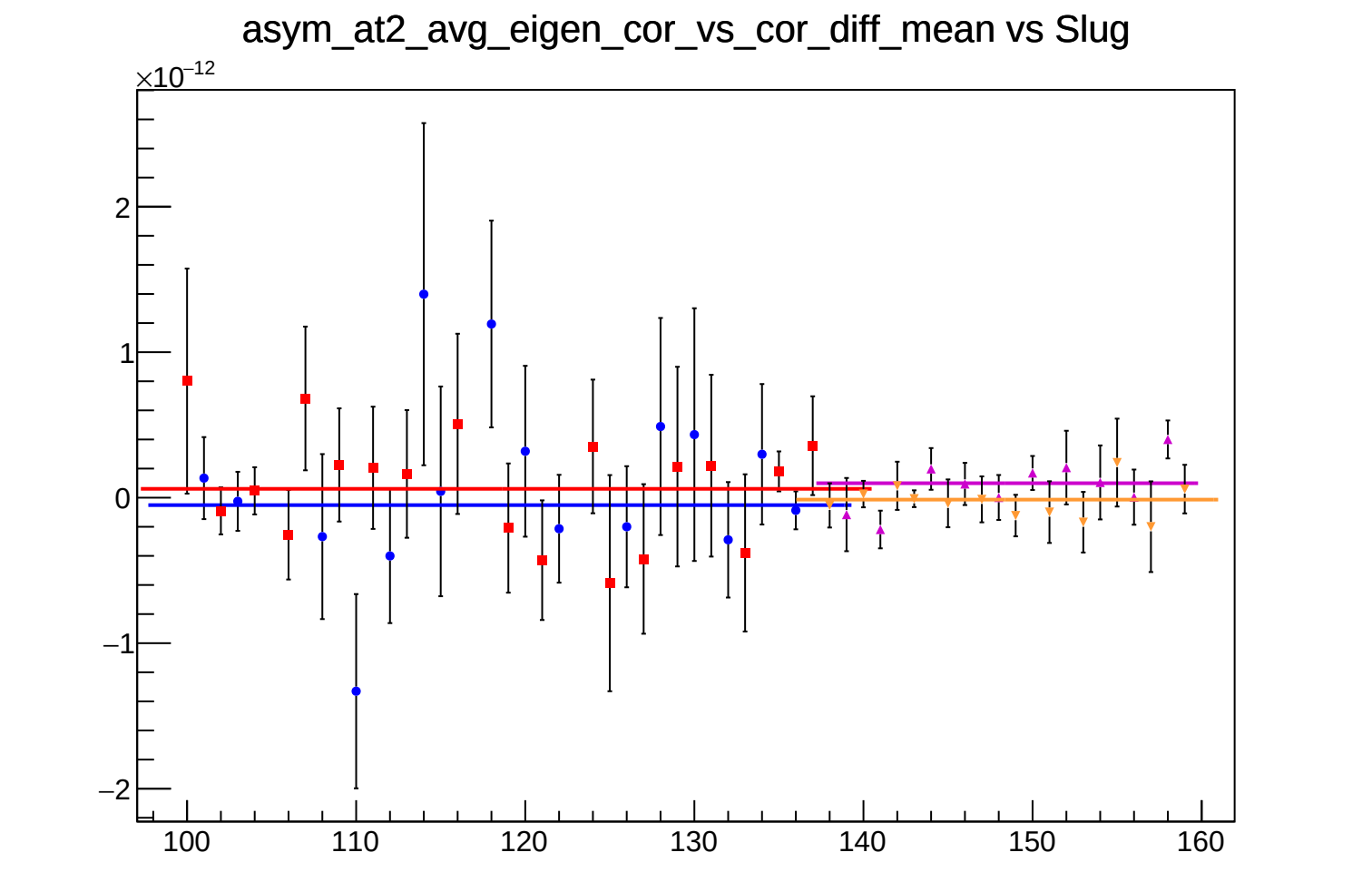
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 615.994+/-0.151 χ^2/NDF:551623.2/9

+ sign 389.684+/-0.076 χ^2/NDF: 6327891.5/27

All: 374.396+/-0.052 χ^2/NDF: 12515740.9/56

- sign 360.441+/-0.073 χ^2/NDF: 6110320.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/11

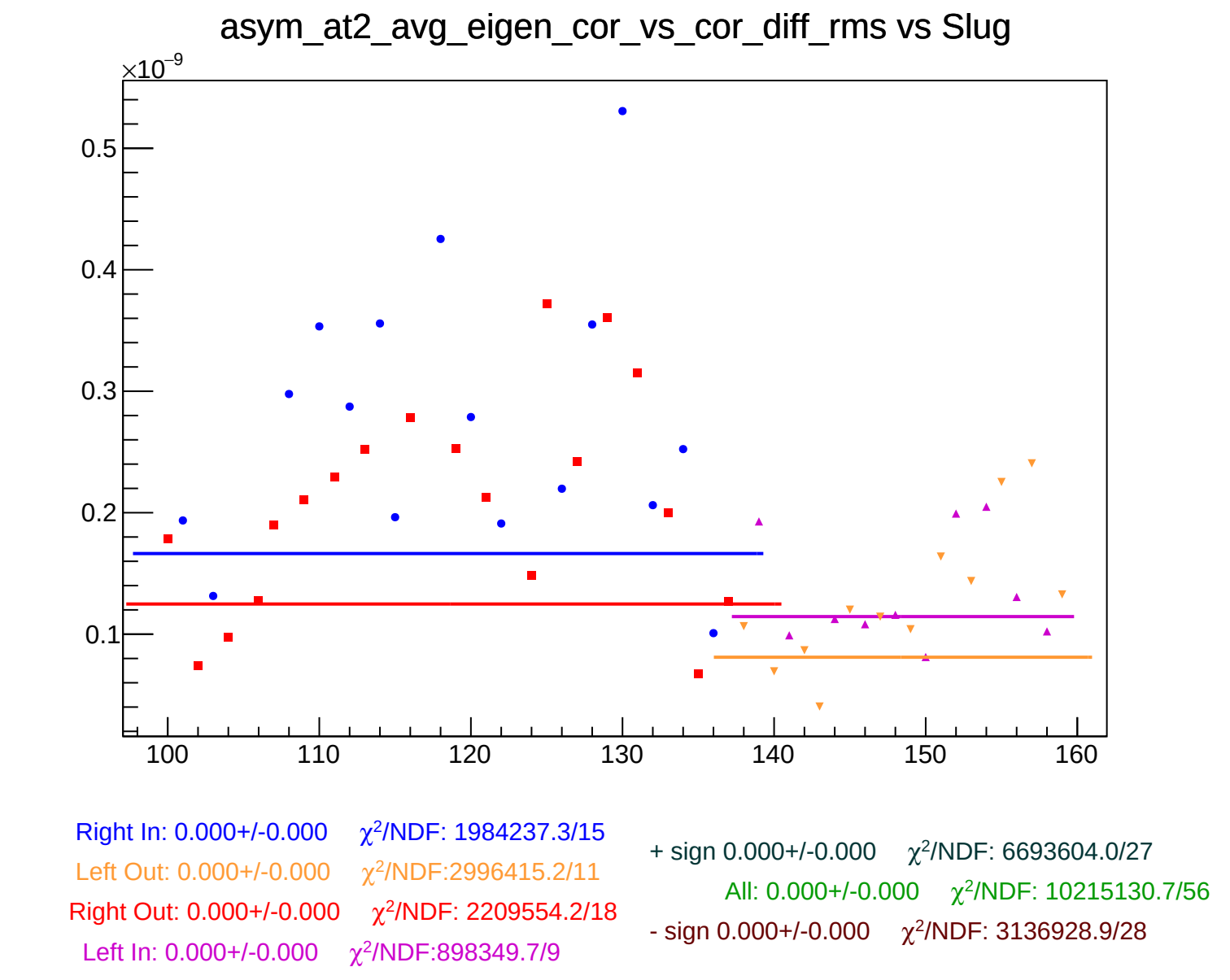
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/9

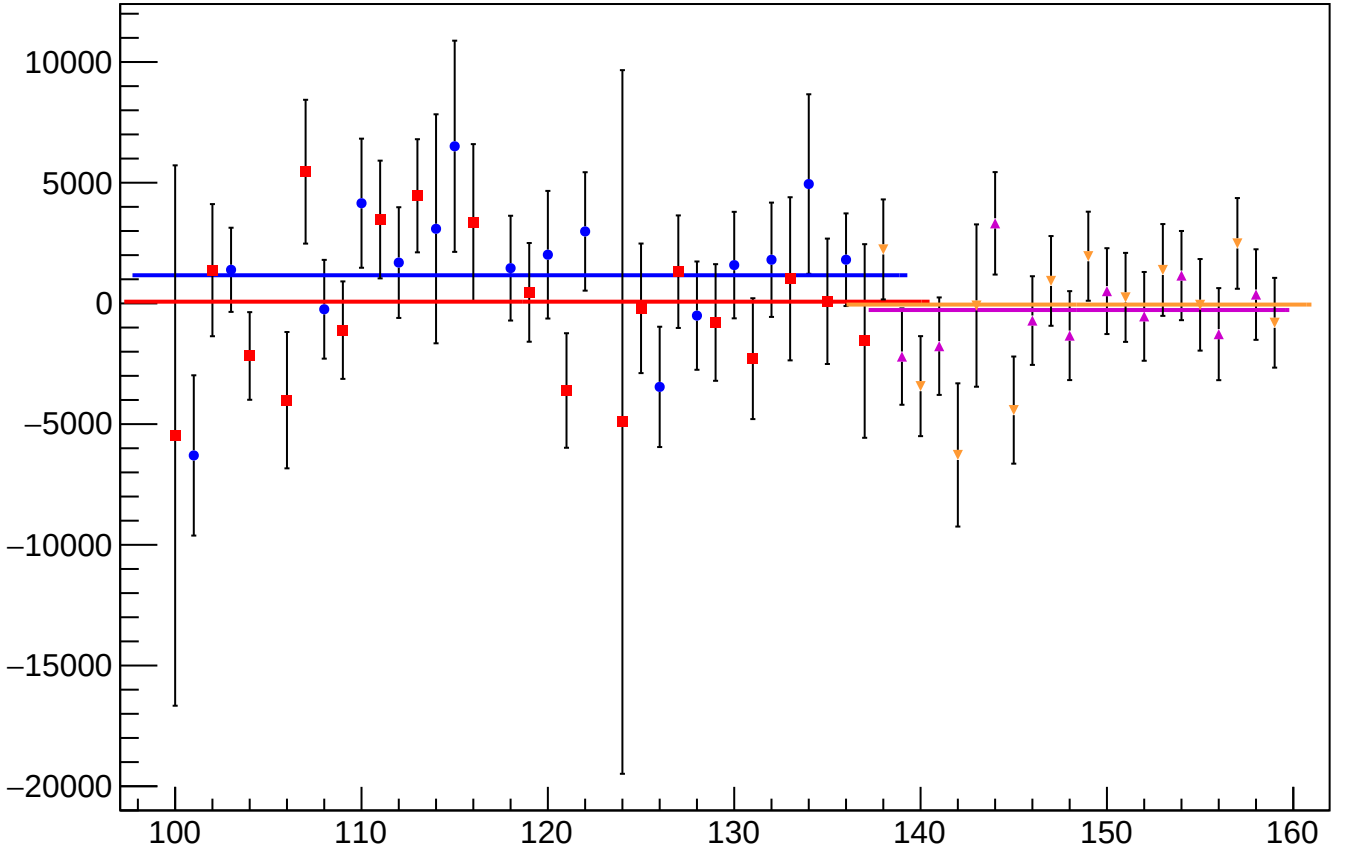
+ sign -0.000+/-0.000 χ^2/NDF: 15.3/27

All: 0.000+/-0.000 χ^2/NDF: 44.7/56

- sign 0.000+/-0.000 χ^2/NDF: 25.4/28


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2996415.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:898349.7/9
+ sign 0.000+/-0.000 χ²/NDF: 6693604.0/27
All: 0.000+/-0.000 χ²/NDF: 10215130.7/56
- sign 0.000+/-0.000 χ²/NDF: 3136928.9/28

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

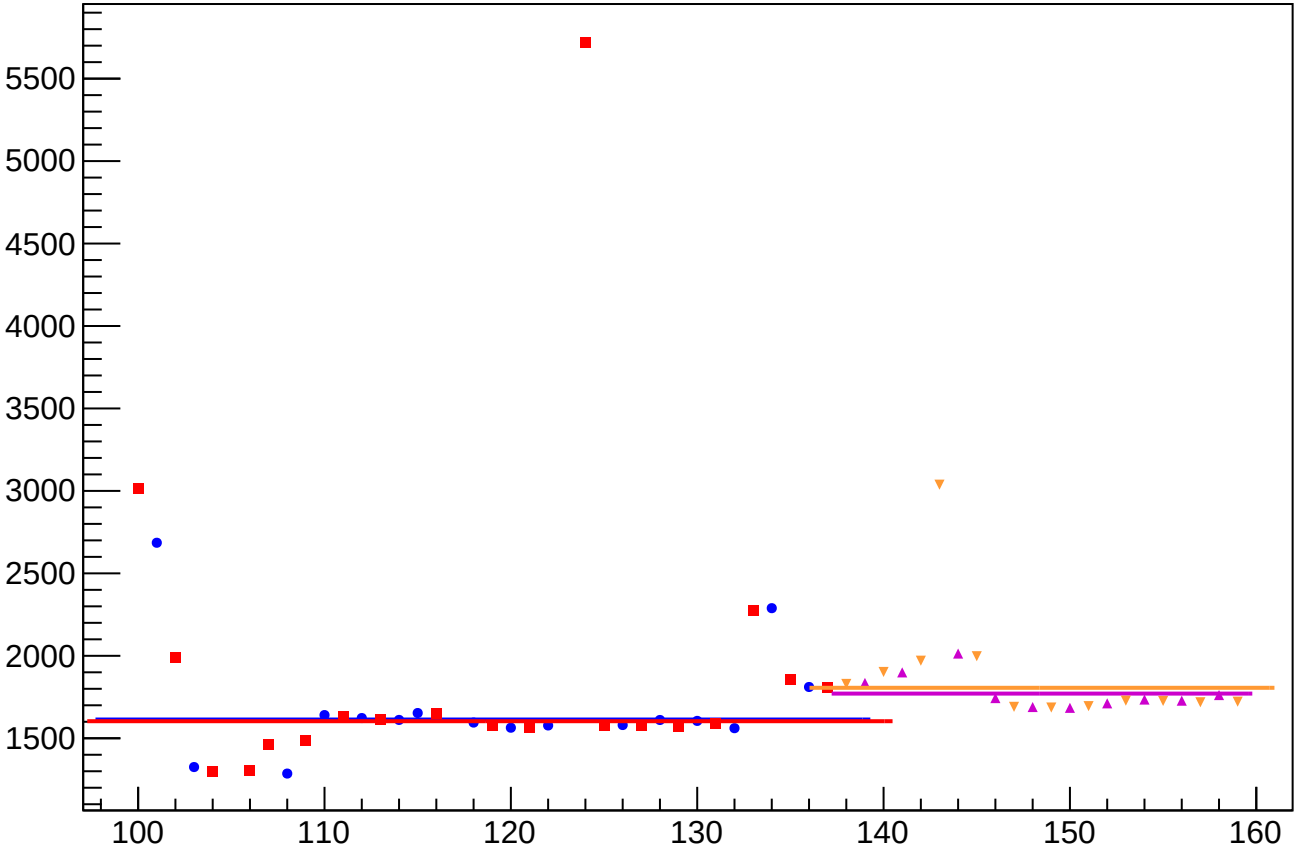
Left In: -273.872+/-600.440 χ^2/NDF:5.9/9

+ sign 539.678+/-423.687 χ^2/NDF: 32.7/27

All: 220.444+/-300.267 χ^2/NDF: 58.2/56

- sign -101.685+/-425.604 χ^2/NDF: 24.4/28

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

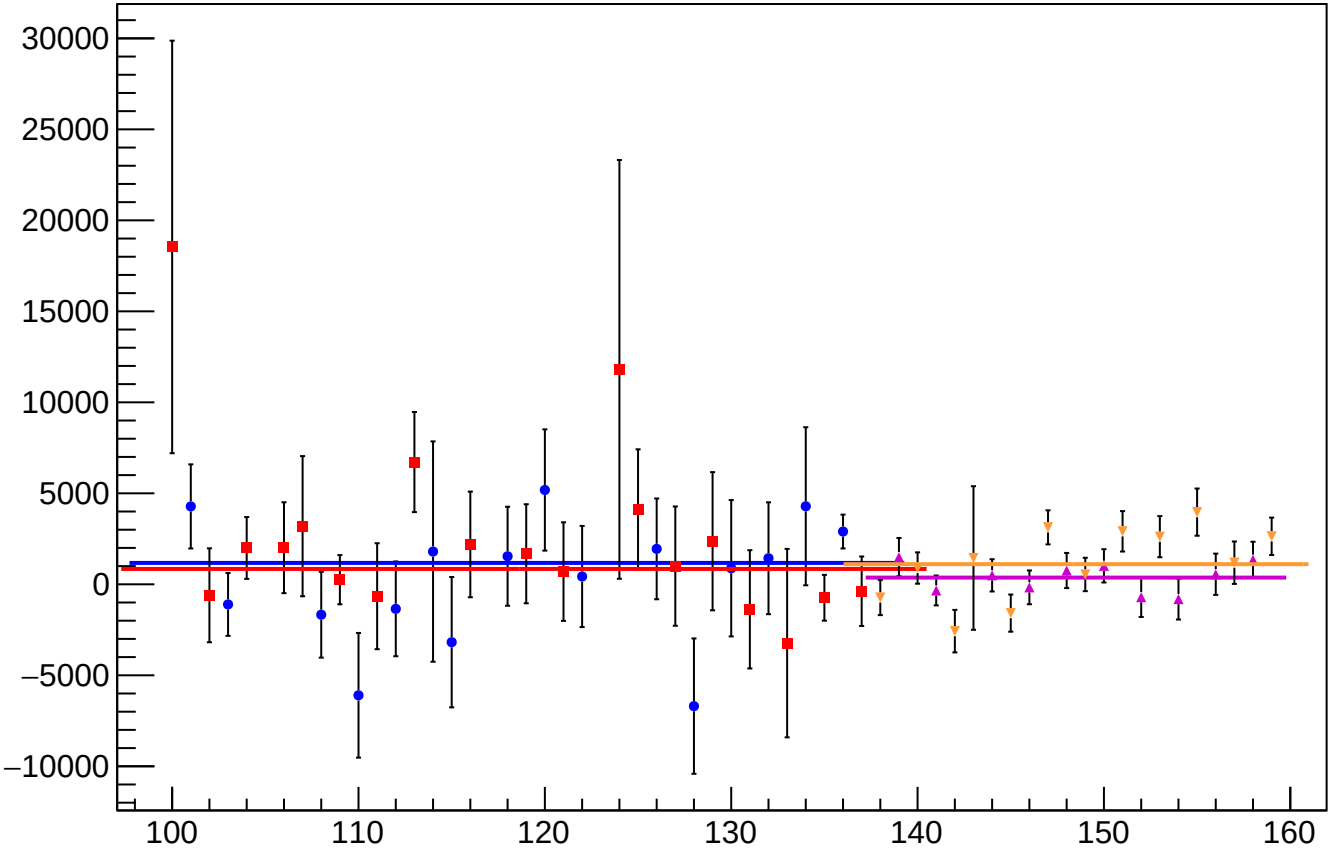
Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

+ sign 1712.993+/-0.300 χ^2/NDF: 840410.3/27

All: 1700.350+/-0.212 χ^2/NDF: 1396506.2/56

- sign 1687.592+/-0.301 χ^2/NDF: 552518.2/28

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

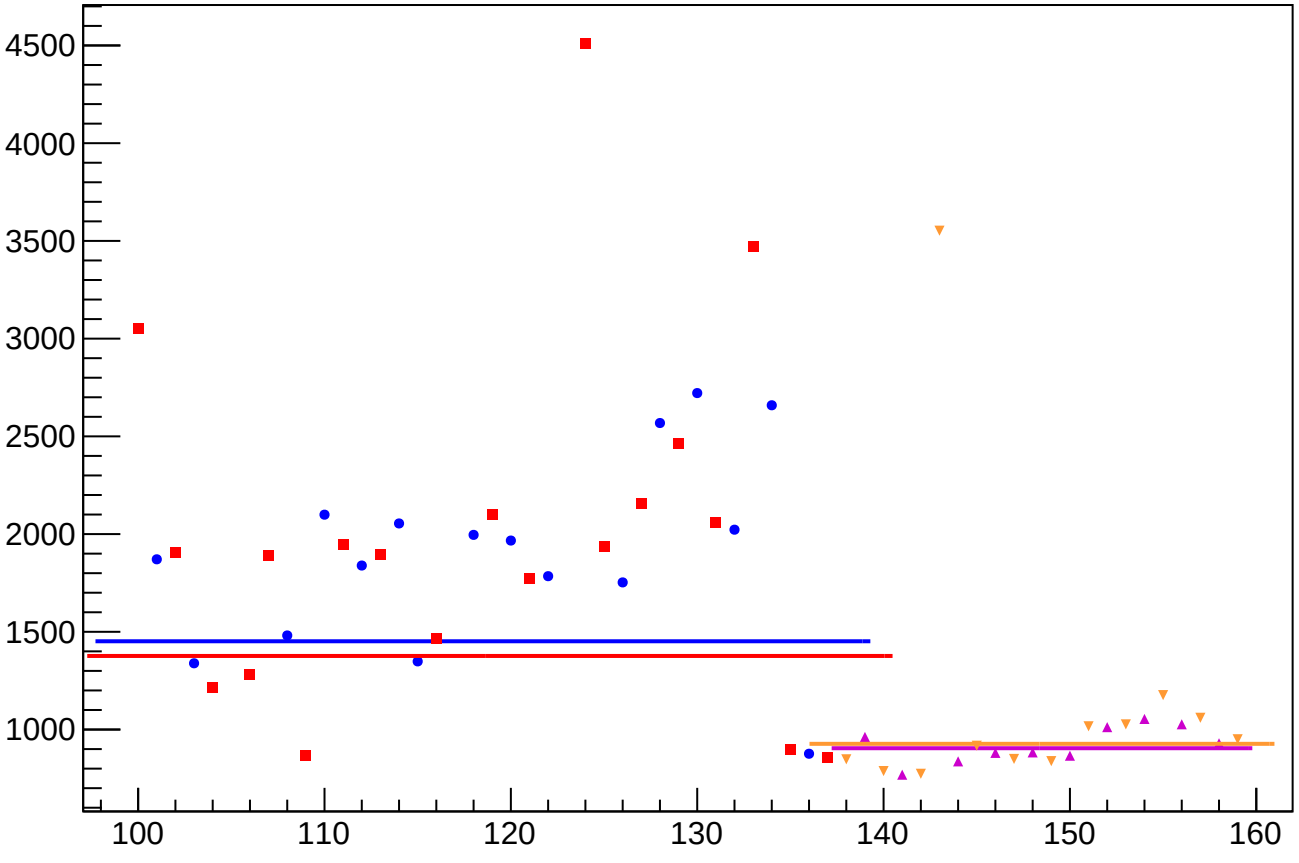
Left In: 369.021+/-308.336 χ^2/NDF:6.0/9

+ sign 1122.357+/-273.620 χ^2/NDF: 59.1/27

All: 796.811+/-192.118 χ^2/NDF: 82.7/56

- sign 480.263+/-269.812 χ^2/NDF: 20.8/28

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

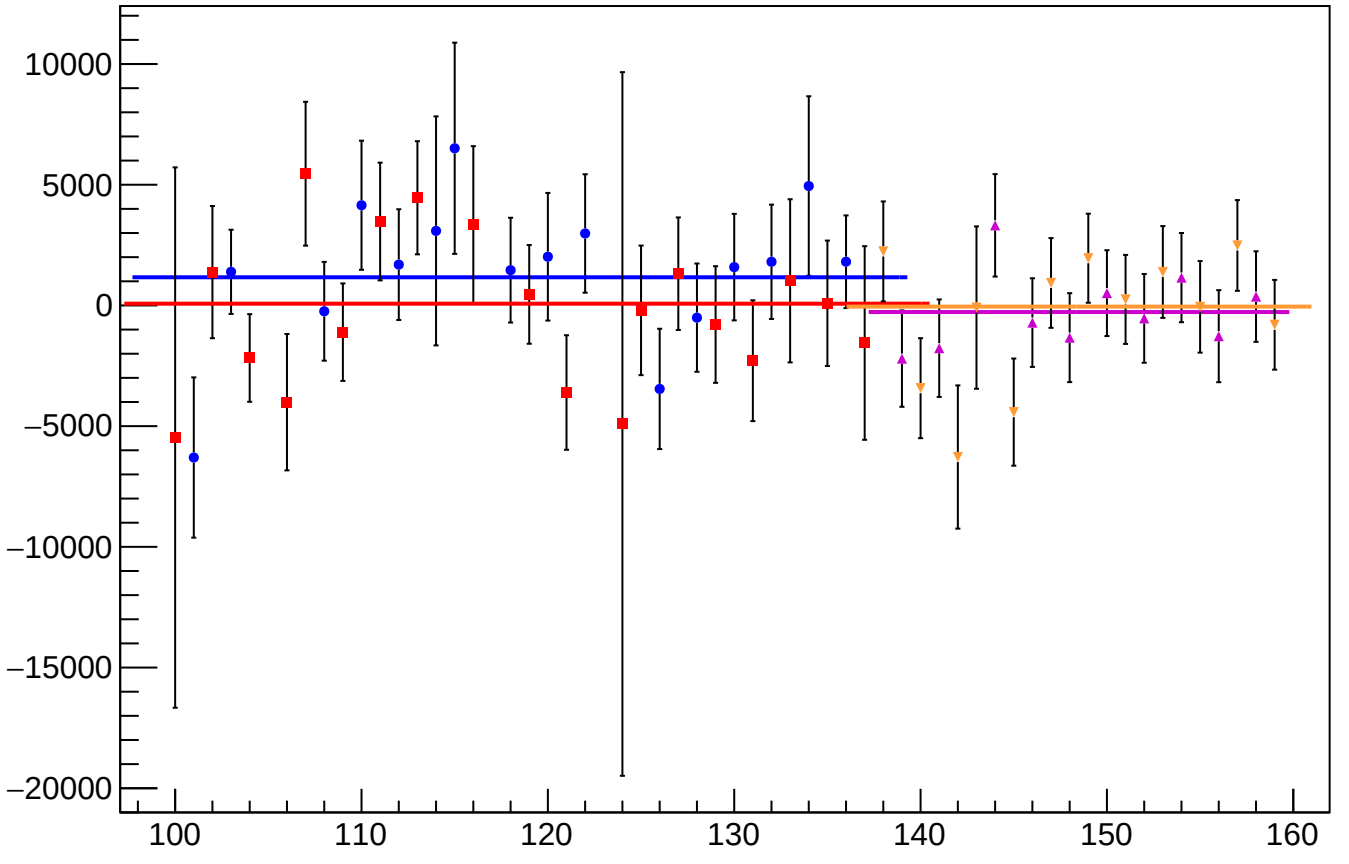
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 904.392+/-0.218 χ^2/NDF:157436.9/9

+ sign 1044.060+/-0.193 χ^2/NDF: 4214276.1/27

All: 1029.321+/-0.136 χ^2/NDF: 7613548.5/56

- sign 1014.989+/-0.191 χ^2/NDF: 3387825.3/28



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

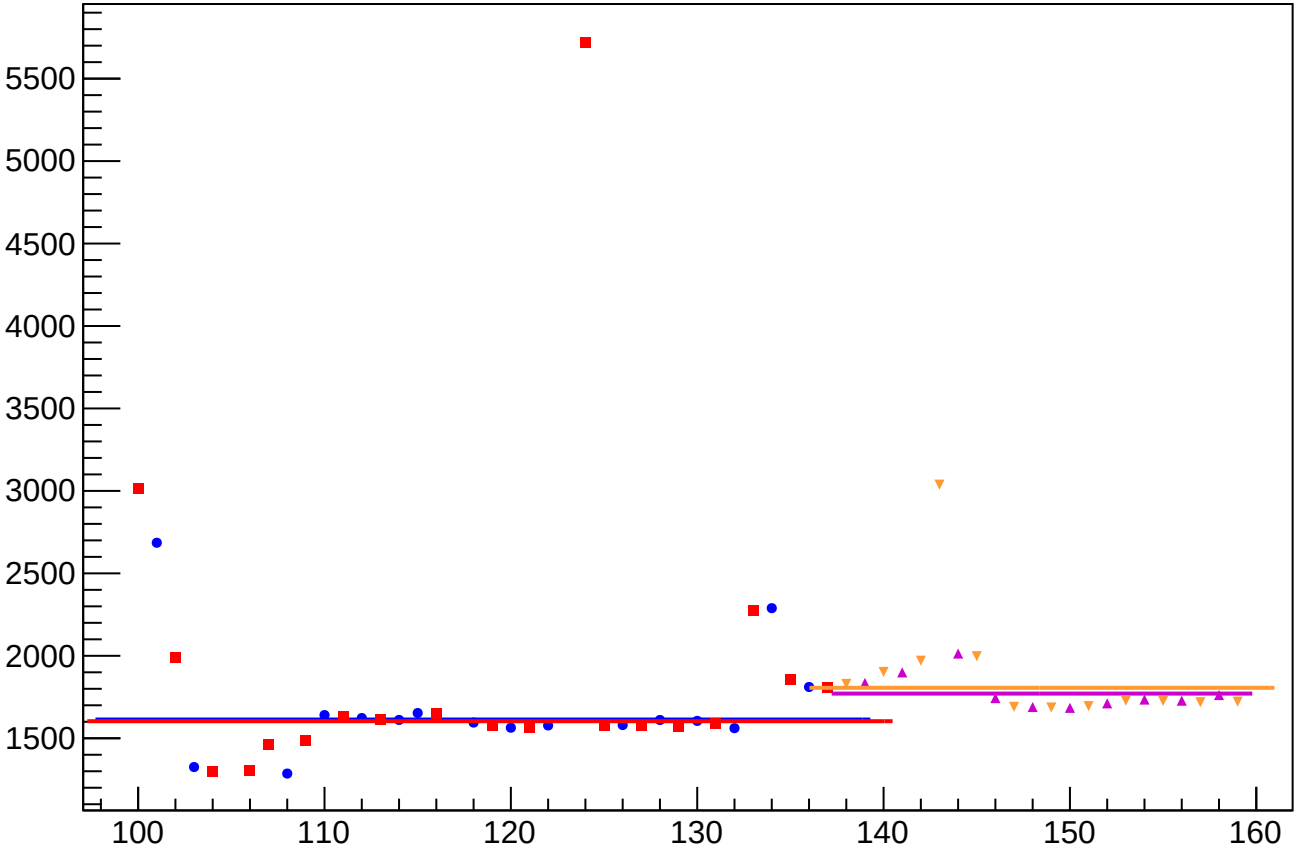
Left In: -273.843+/-600.440 χ^2/NDF:5.9/9

+ sign 539.529+/-423.687 χ^2/NDF: 32.7/27

All: 220.455+/-300.267 χ^2/NDF: 58.2/56

- sign -101.513+/-425.604 χ^2/NDF: 24.4/28

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

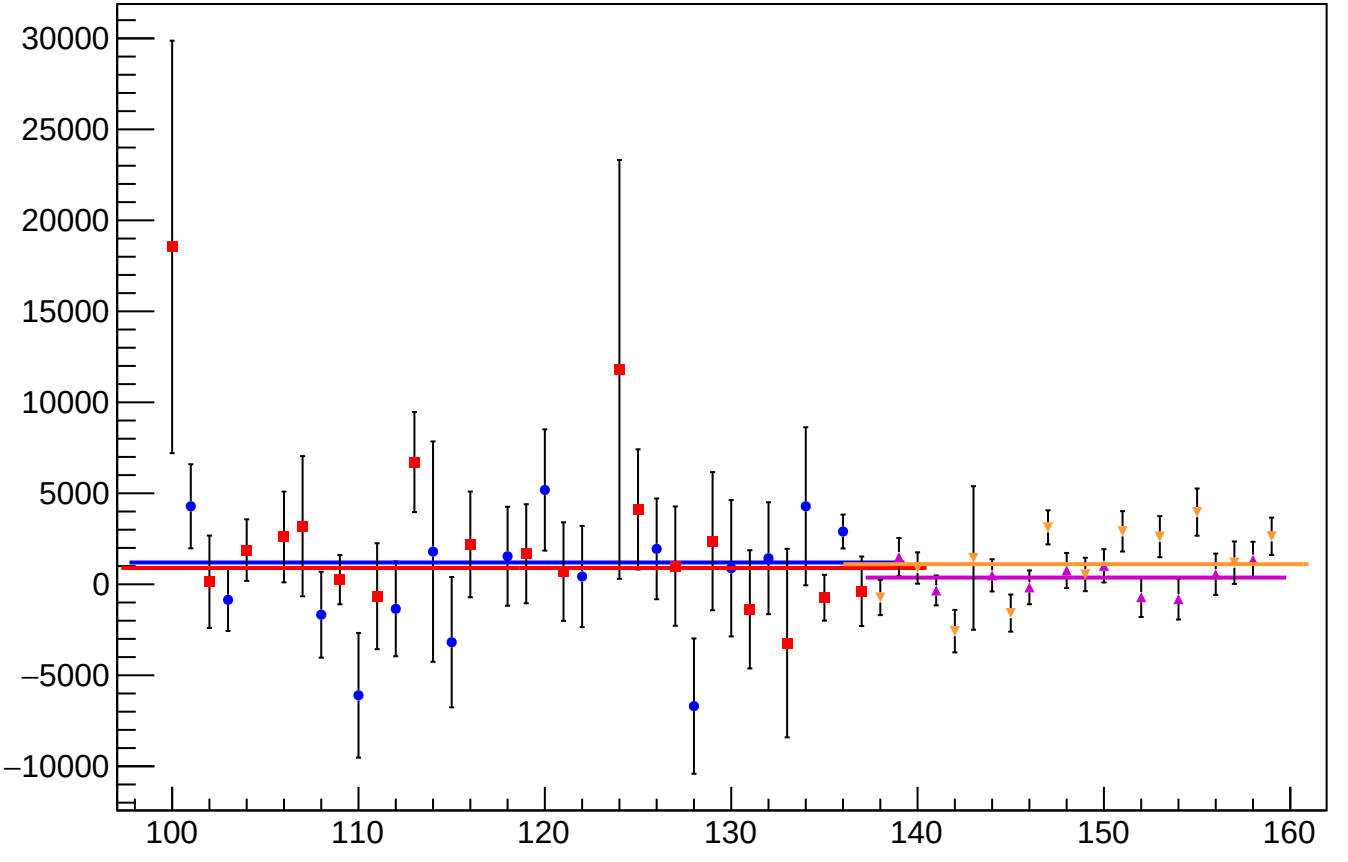
Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

+ sign 1712.993+/-0.300 χ^2/NDF: 840410.7/27

All: 1700.350+/-0.212 χ^2/NDF: 1396506.8/56

- sign 1687.592+/-0.301 χ^2/NDF: 552518.3/28

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

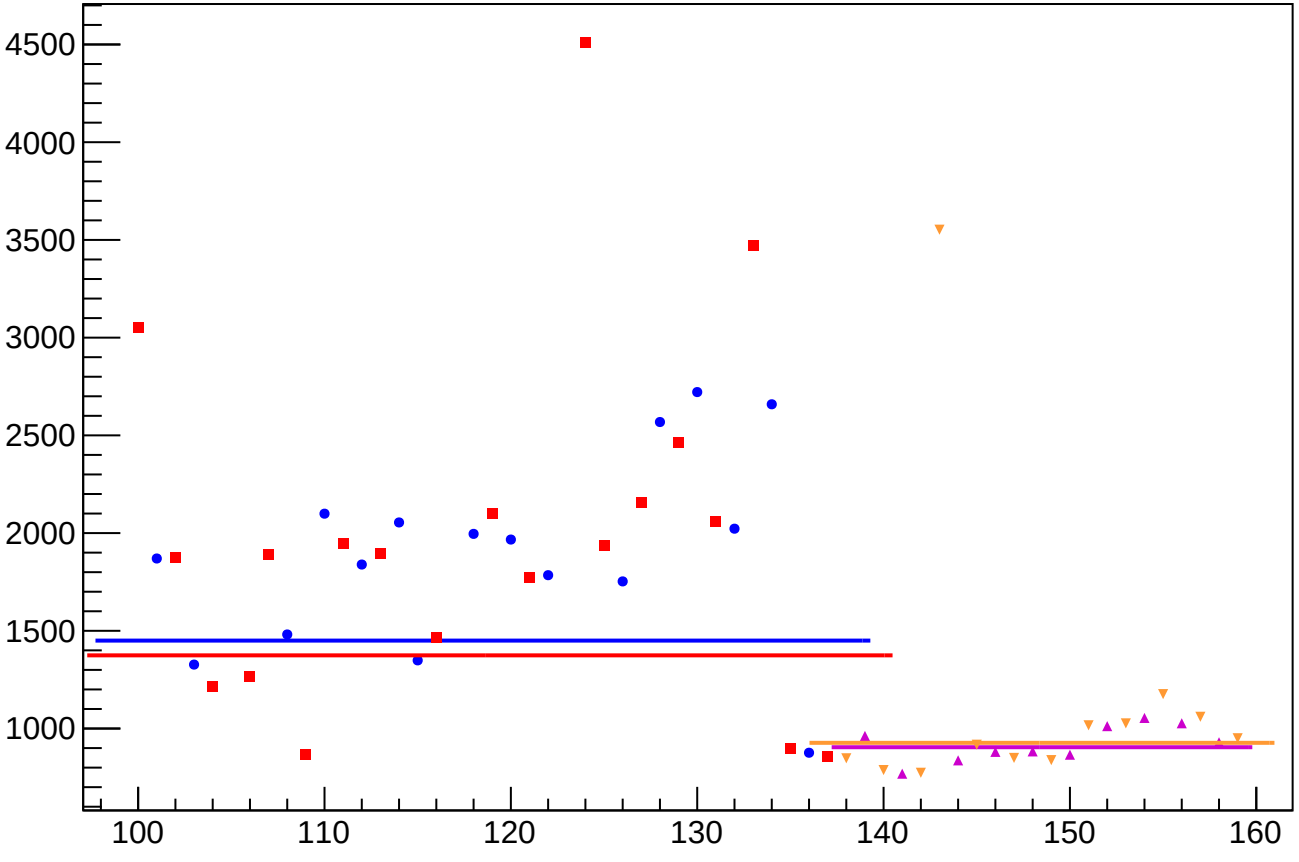
Left In: 368.986+/-308.336 χ^2/NDF:6.0/9

+ sign 1127.490+/-273.535 χ^2/NDF: 58.8/27

All: 805.585+/-192.057 χ^2/NDF: 82.4/56

- sign 492.588+/-269.724 χ^2/NDF: 20.9/28

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

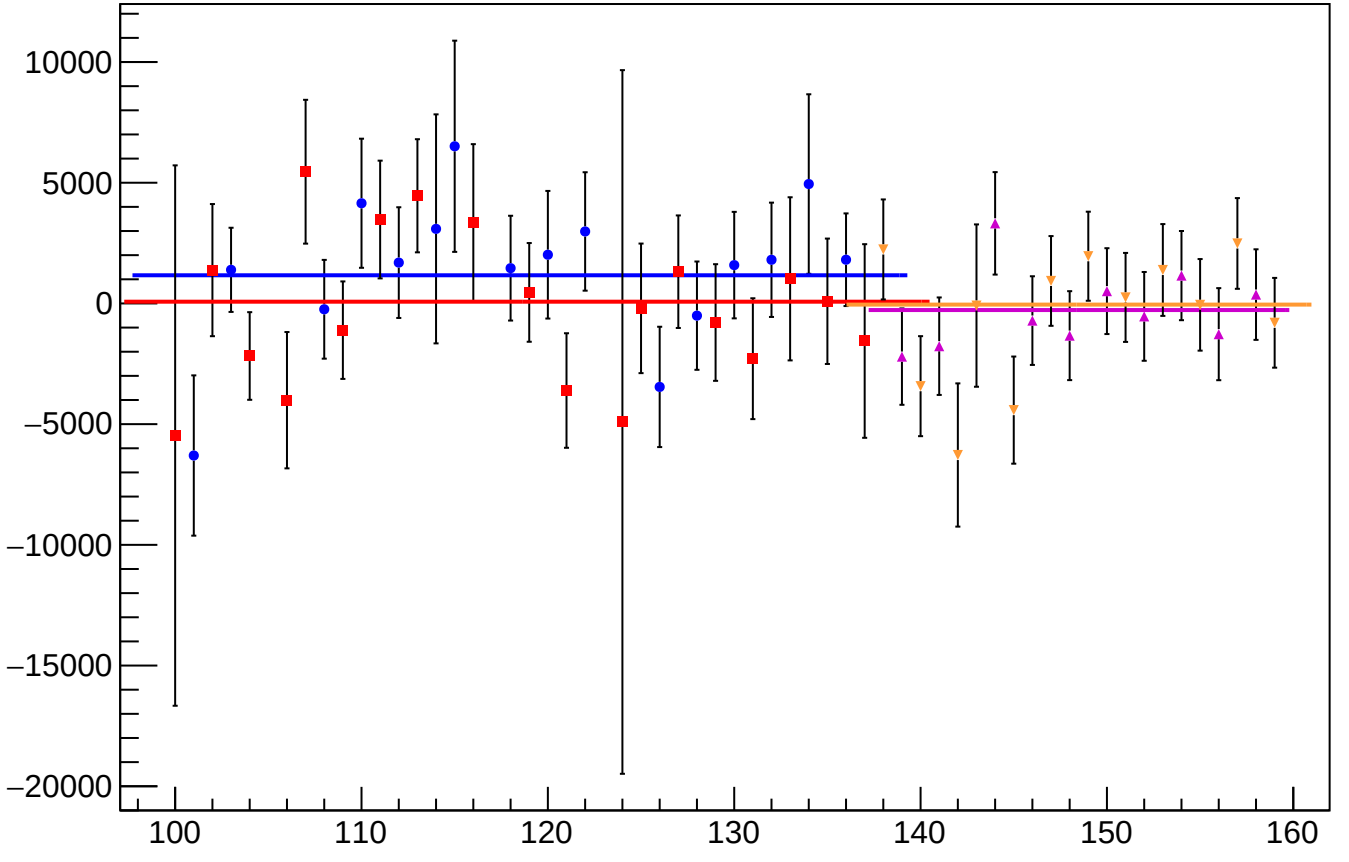
Left In: 904.389+/-0.218 χ^2/NDF:157471.1/9

+ sign 1043.953+/-0.193 χ^2/NDF: 4210532.1/27

All: 1029.143+/-0.136 χ^2/NDF: 7598491.7/56

- sign 1014.744+/-0.191 χ^2/NDF: 3376396.5/28

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

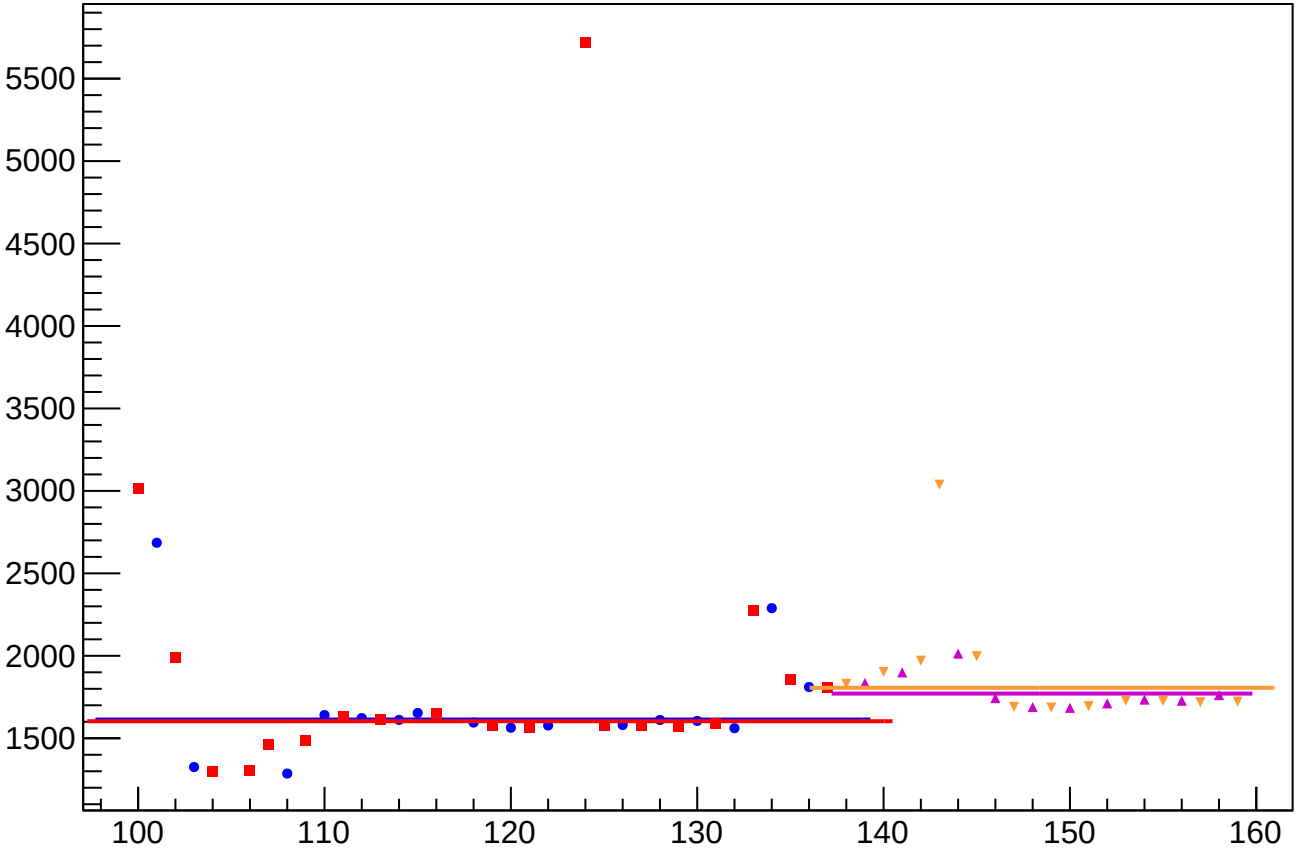
Left In: -273.843+/-600.440 χ^2/NDF:5.9/9

+ sign 539.529+/-423.687 χ^2/NDF: 32.7/27

All: 220.455+/-300.267 χ^2/NDF: 58.2/56

- sign -101.513+/-425.604 χ^2/NDF: 24.4/28

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

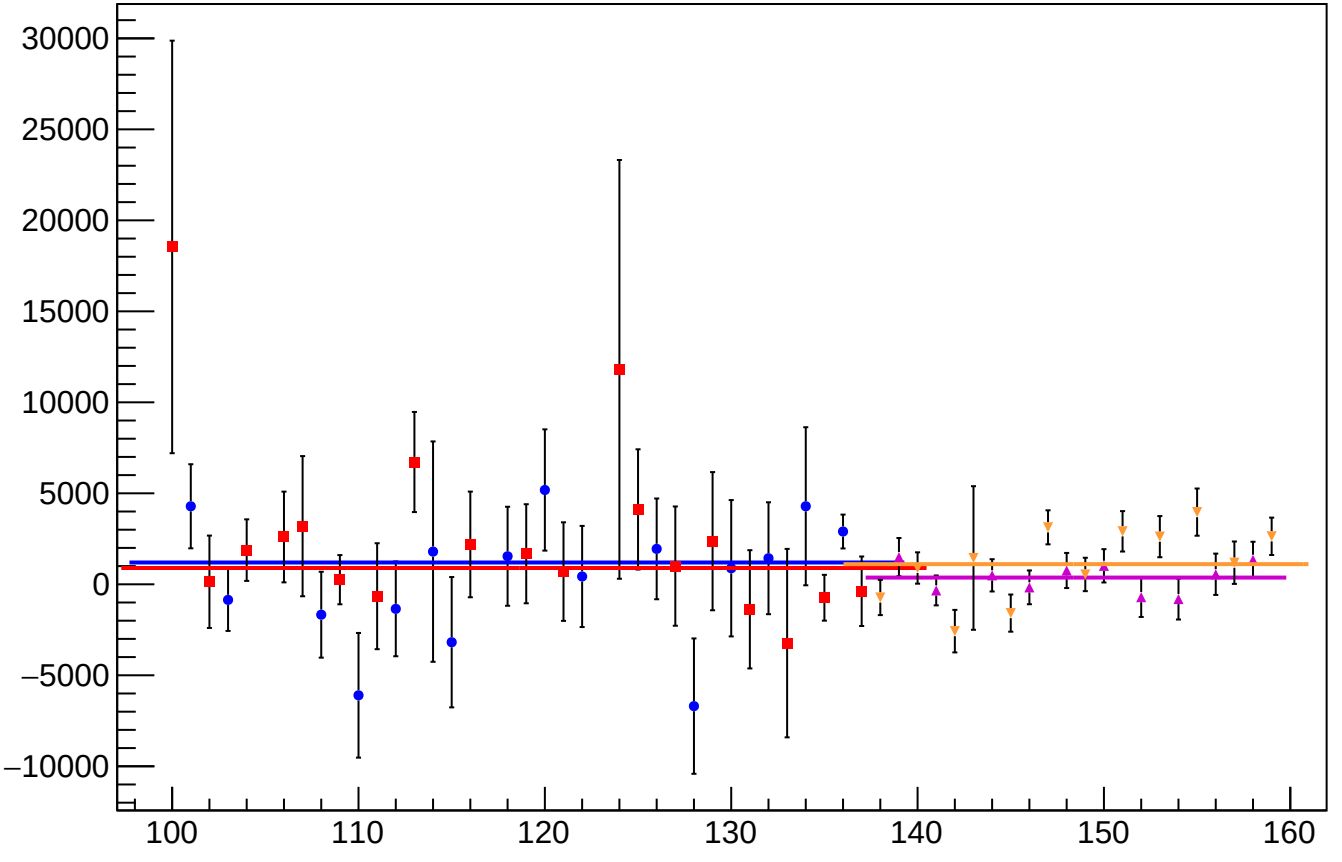
Left In: 1770.908+/-0.425 χ^2/NDF:49334.3/9

+ sign 1712.993+/-0.300 χ^2/NDF: 840410.7/27

All: 1700.350+/-0.212 χ^2/NDF: 1396506.8/56

- sign 1687.592+/-0.301 χ^2/NDF: 552518.3/28

asym_at2_dd_eigen_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

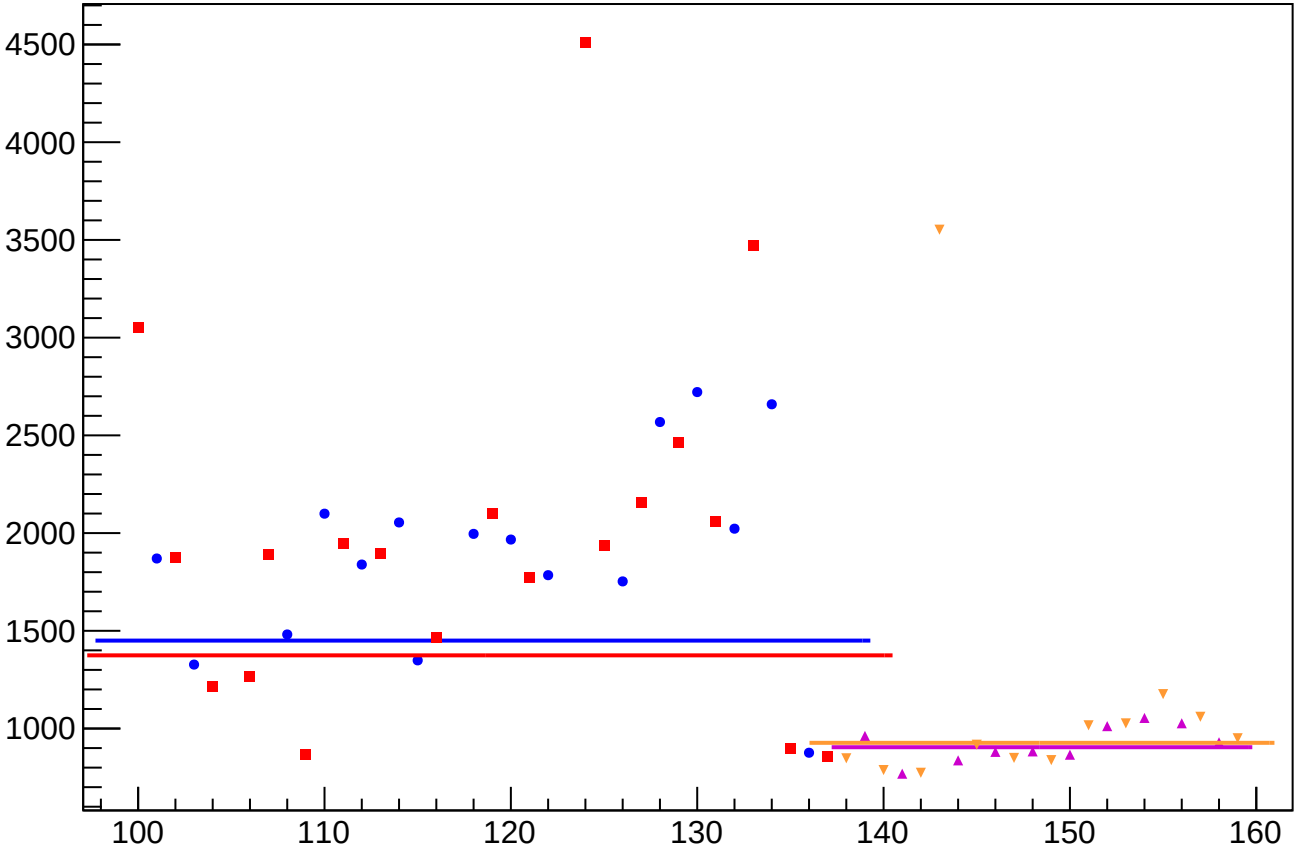
Left In: 368.986+/-308.336 χ^2/NDF:6.0/9

+ sign 1127.490+/-273.535 χ^2/NDF: 58.8/27

All: 805.585+/-192.057 χ^2/NDF: 82.4/56

- sign 492.588+/-269.724 χ^2/NDF: 20.9/28

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

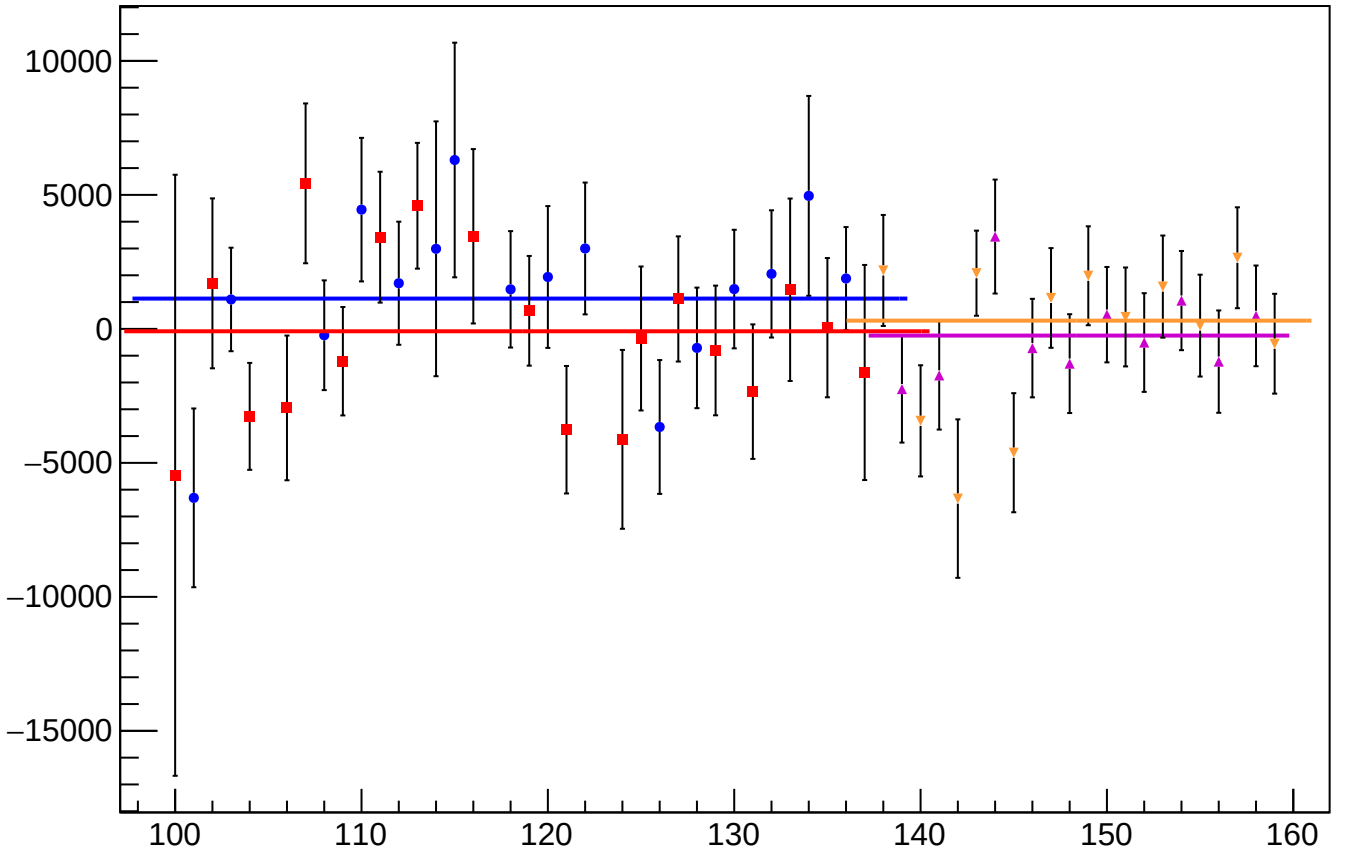
Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 904.389+/-0.218 χ^2/NDF:157471.1/9

+ sign 1043.953+/-0.193 χ^2/NDF: 4210532.1/27

All: 1029.143+/-0.136 χ^2/NDF: 7598491.7/56

- sign 1014.744+/-0.191 χ^2/NDF: 3376396.5/28



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

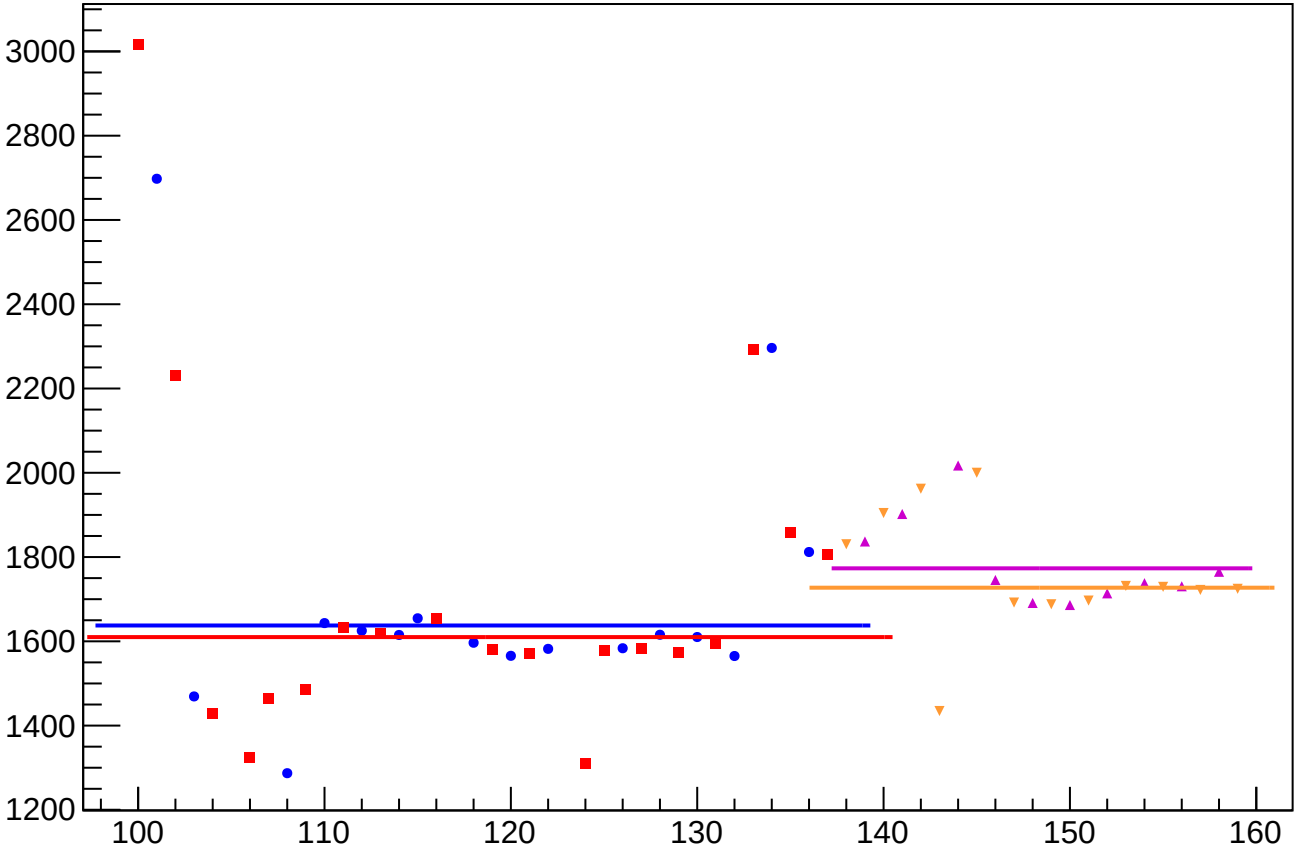
Left In: -249.610+/-601.228 χ^2/NDF:6.1/9

+ sign 679.930+/-415.143 χ^2/NDF: 34.5/27

All: 265.883+/-297.241 χ^2/NDF: 63.3/56

- sign -169.661+/-425.783 χ^2/NDF: 26.8/28

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

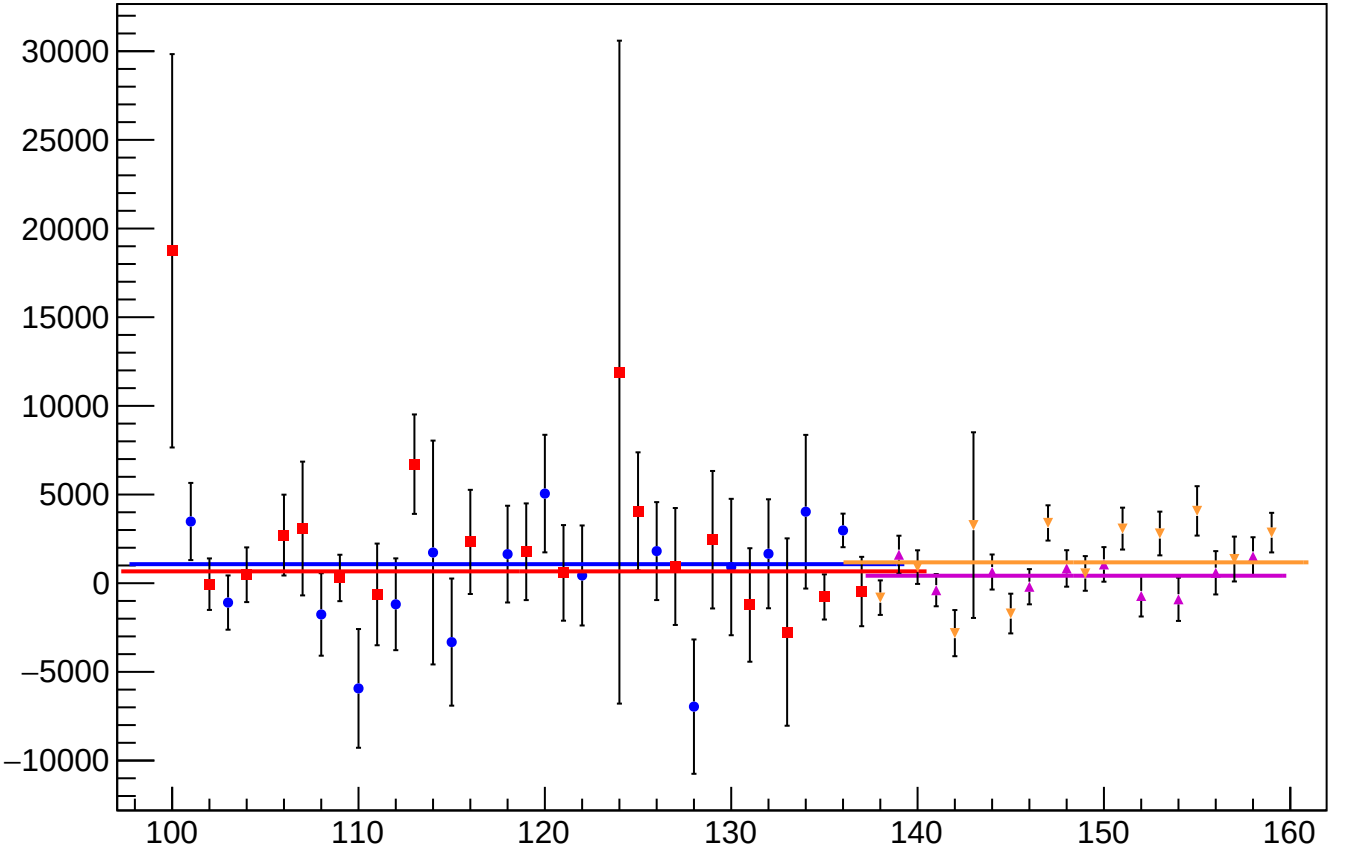
Left In: 1773.212+/-0.425 χ^2/NDF:49553.1/9

+ sign 1686.696+/-0.294 χ^2/NDF: 517014.2/27

All: 1689.221+/-0.210 χ^2/NDF: 920960.2/56

- sign 1691.877+/-0.301 χ^2/NDF: 403794.2/28

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

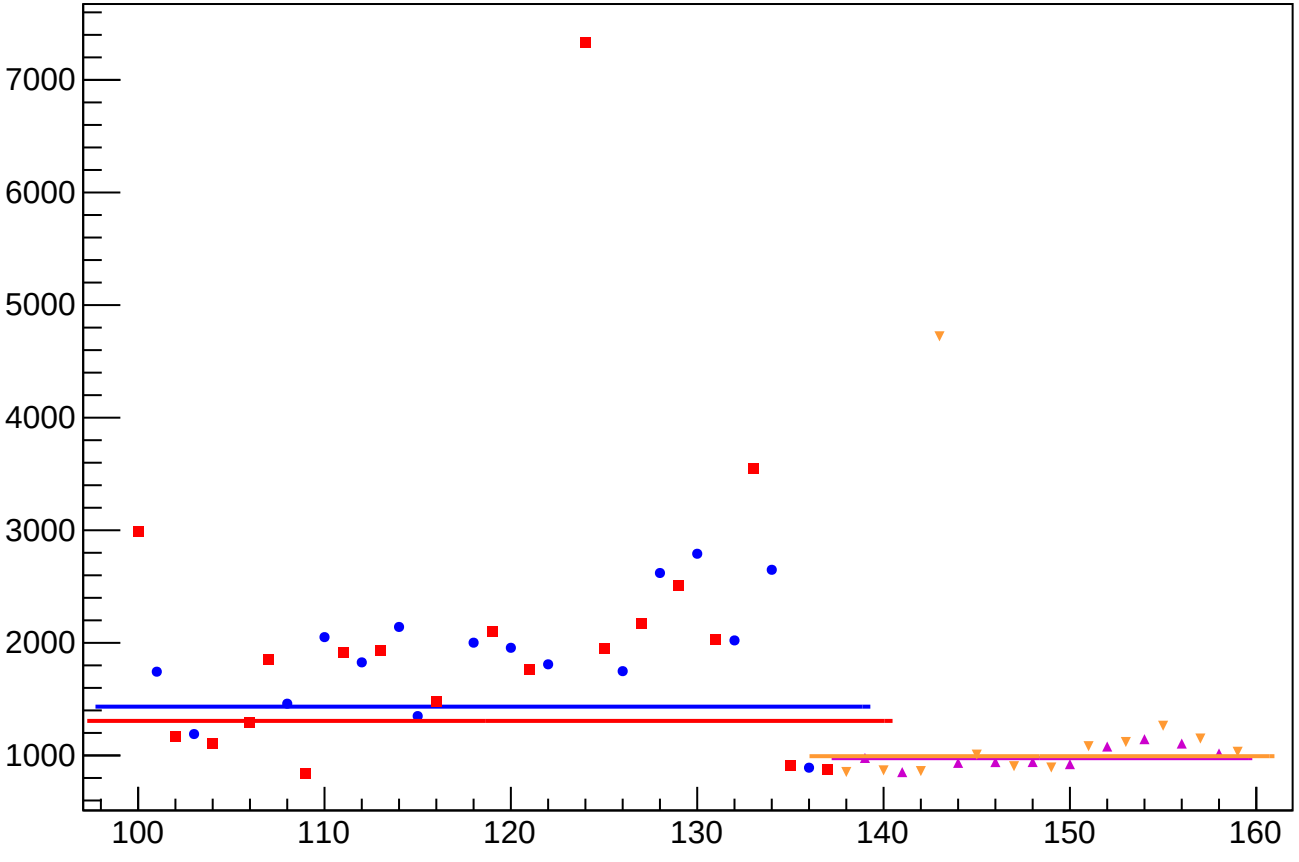
Left In: 421.497+/-332.377 χ^2/NDF:6.2/9

+ sign 1150.115+/-288.352 χ^2/NDF: 58.9/27

All: 812.218+/-201.097 χ^2/NDF: 81.5/56

- sign 492.258+/-280.594 χ^2/NDF: 19.9/28

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

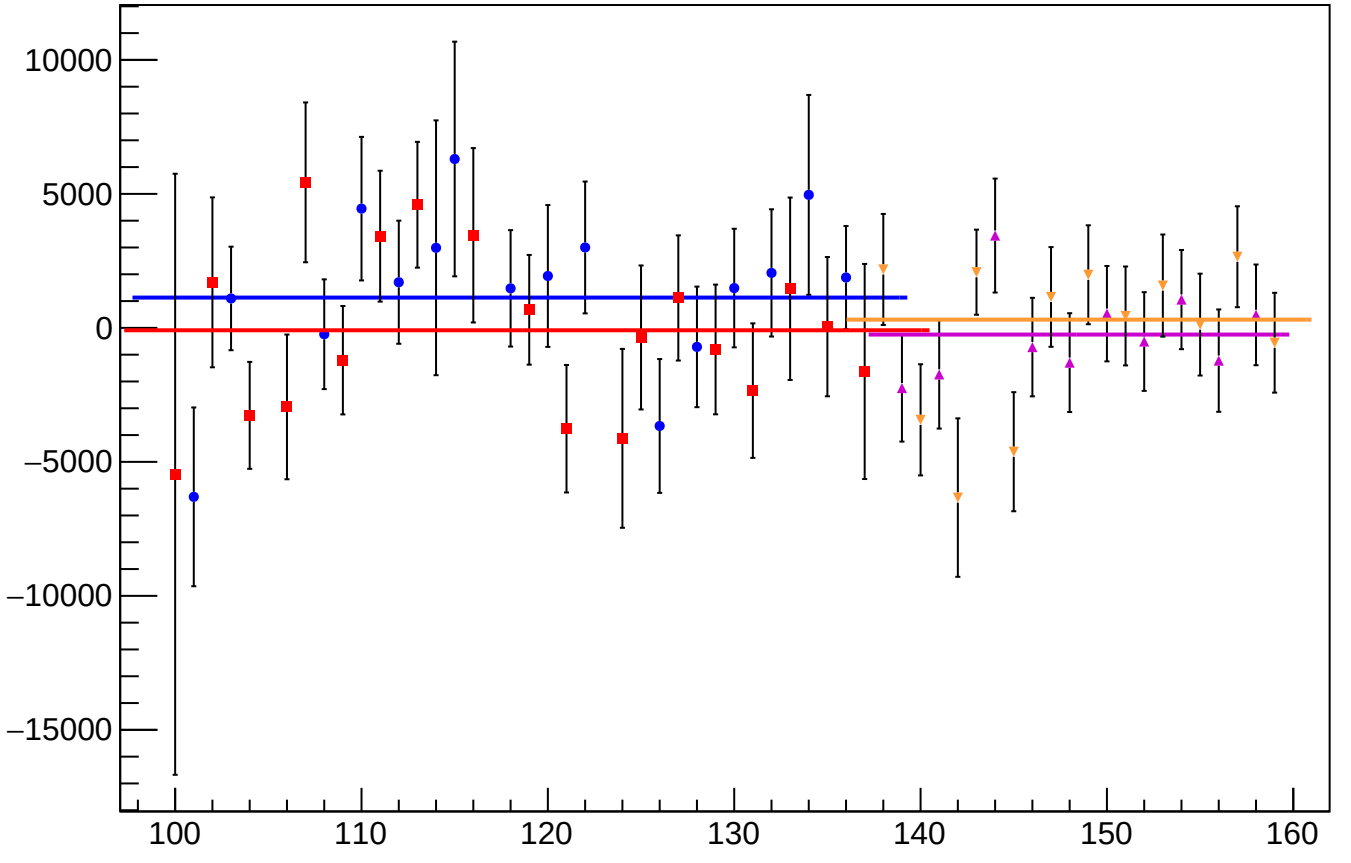
Left In: 975.746+/-0.235 χ^2/NDF:130802.4/9

+ sign 1105.461+/-0.204 χ^2/NDF: 3937360.3/27

All: 1087.701+/-0.142 χ^2/NDF: 6837141.2/56

- sign 1070.883+/-0.198 χ^2/NDF: 2885008.5/28

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

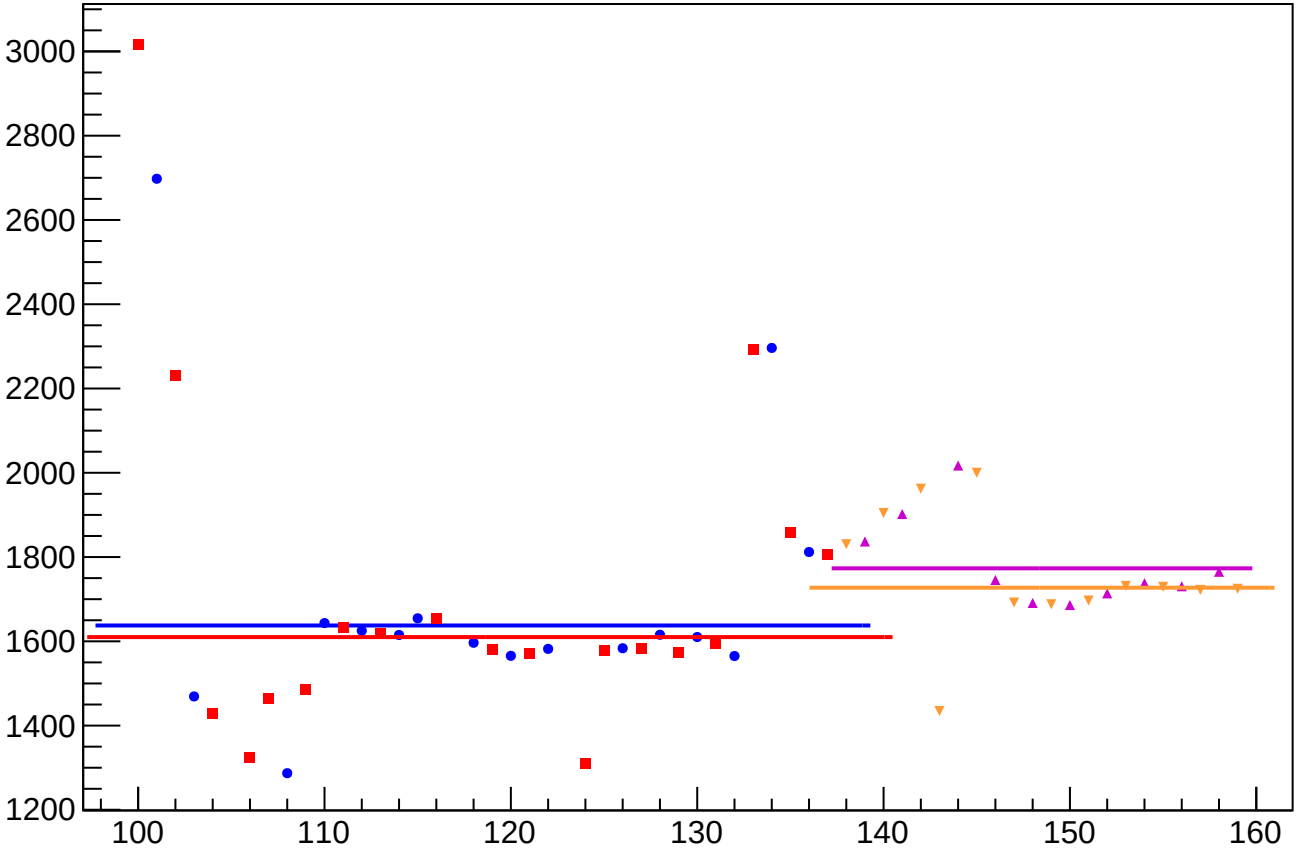
Left In: -249.605+/-601.228 χ^2/NDF:6.1/9

+ sign 679.927+/-415.143 χ^2/NDF: 34.5/27

All: 265.881+/-297.241 χ^2/NDF: 63.3/56

- sign -169.661+/-425.783 χ^2/NDF: 26.8/28

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

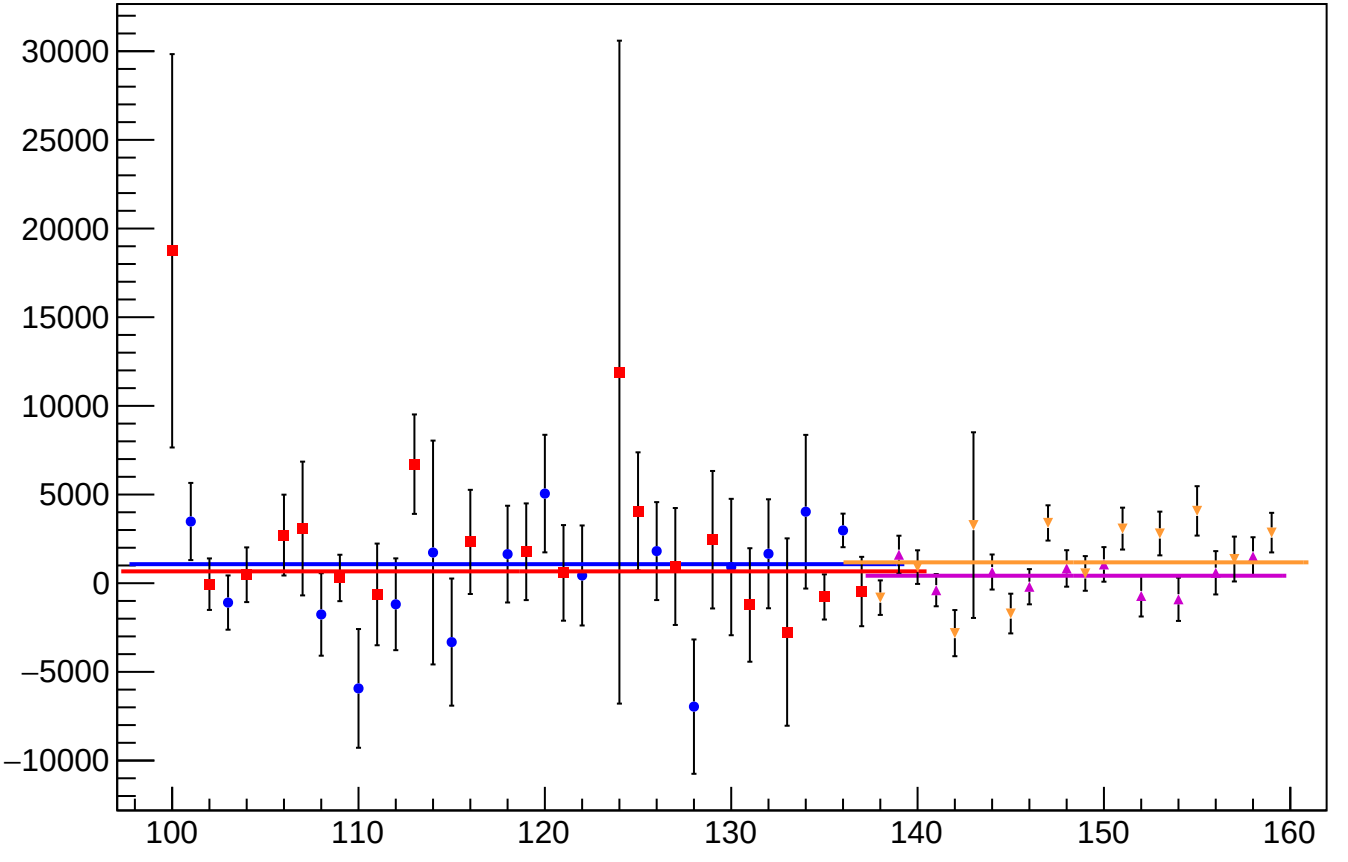
Left In: 1773.212+/-0.425 χ^2/NDF:49553.2/9

+ sign 1686.696+/-0.294 χ^2/NDF: 517013.2/27

All: 1689.221+/-0.210 χ^2/NDF: 920959.6/56

- sign 1691.877+/-0.301 χ^2/NDF: 403794.6/28

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

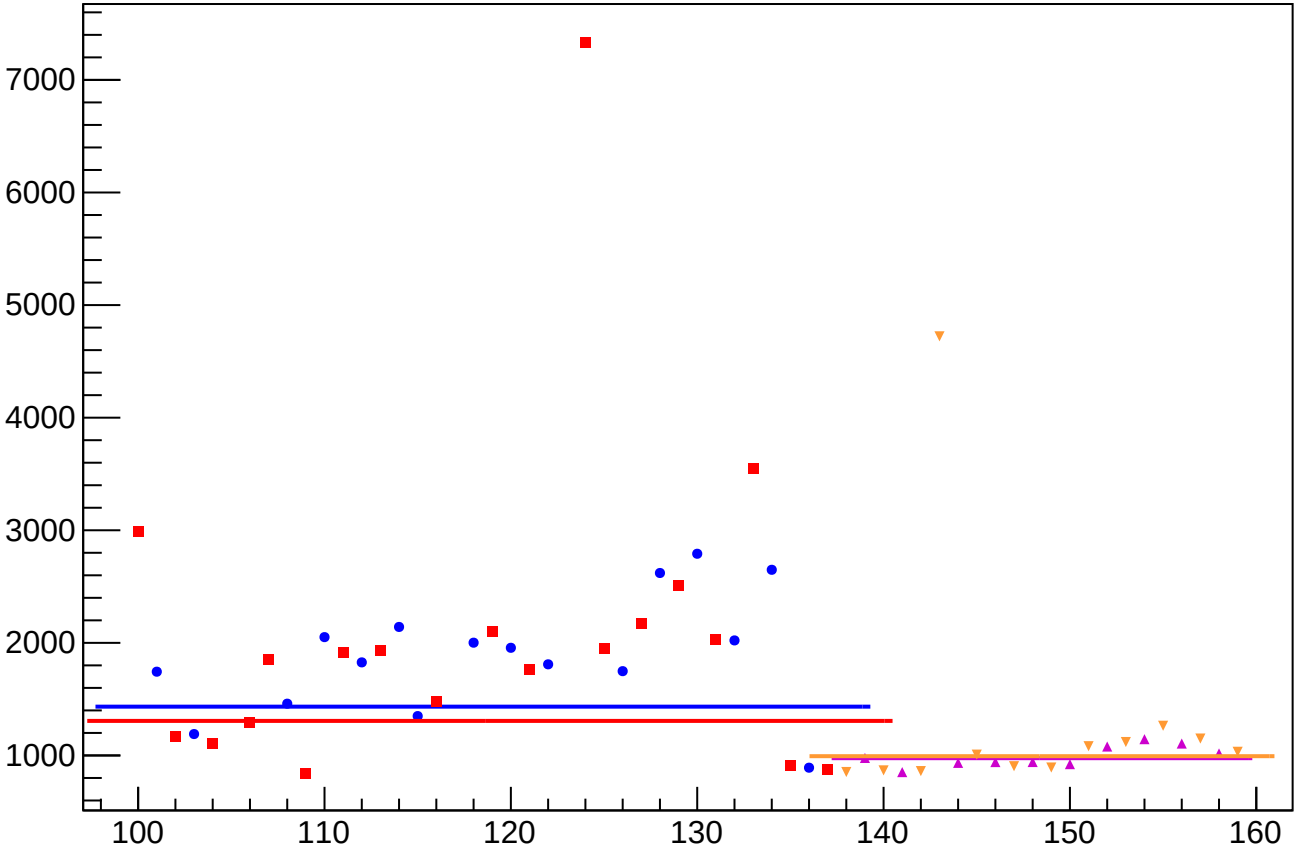
Left In: 421.498+/-332.378 χ^2/NDF:6.2/9

+ sign 1150.122+/-288.354 χ^2/NDF: 58.9/27

All: 812.222+/-201.098 χ^2/NDF: 81.5/56

- sign 492.261+/-280.595 χ^2/NDF: 19.9/28

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 993.502+/-0.236 χ^2/NDF:1290441.8/11

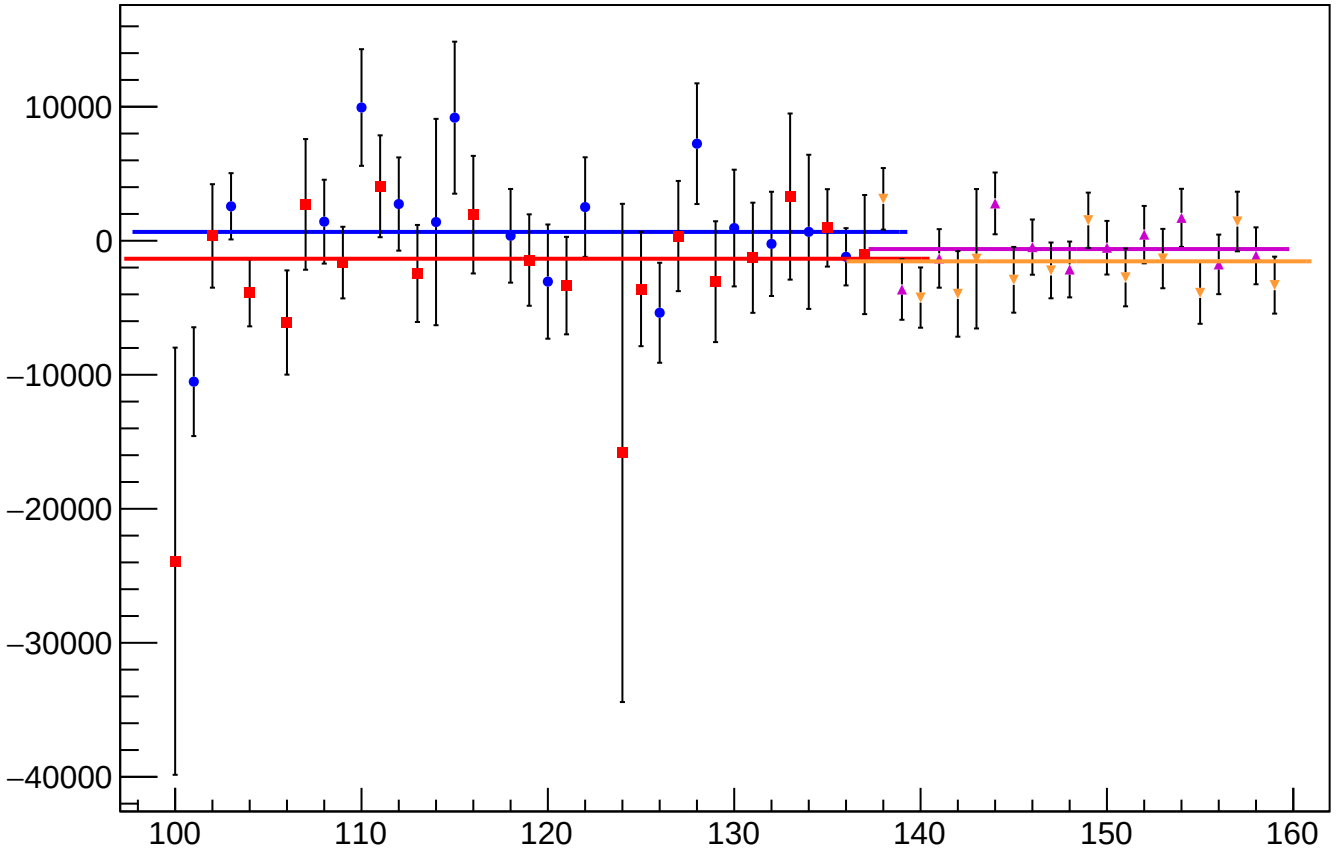
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 975.748+/-0.235 χ^2/NDF:130803.4/9

+ sign 1105.469+/-0.204 χ^2/NDF: 3937272.9/27

All: 1087.707+/-0.142 χ^2/NDF: 6837018.8/56

- sign 1070.887+/-0.198 χ^2/NDF: 2884970.7/28



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

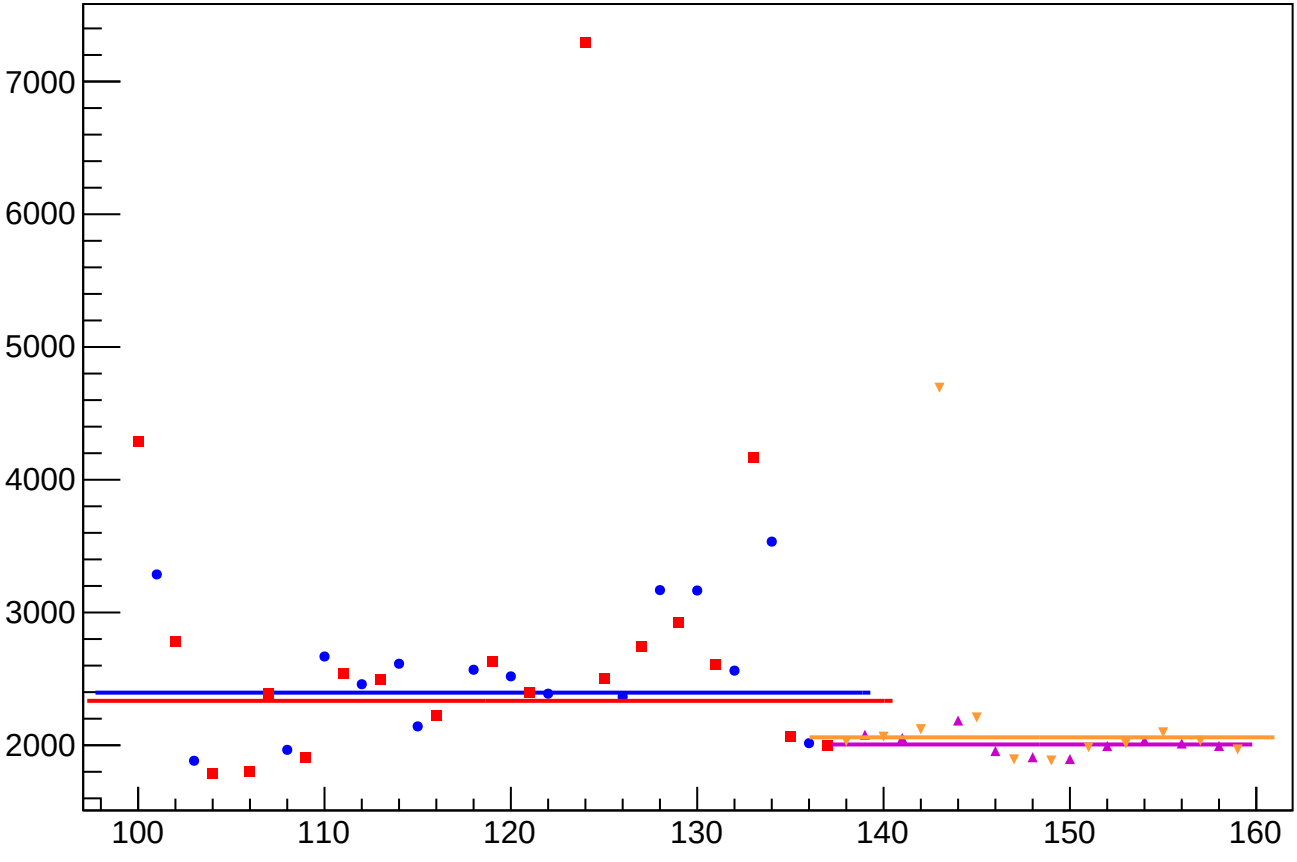
Left In: -619.353+/-679.722 χ^2/NDF:6.3/9

+ sign -752.877+/-542.865 χ^2/NDF: 38.3/27

All: -819.429+/-382.962 χ^2/NDF: 56.0/56

- sign -885.360+/-540.325 χ^2/NDF: 17.6/28

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

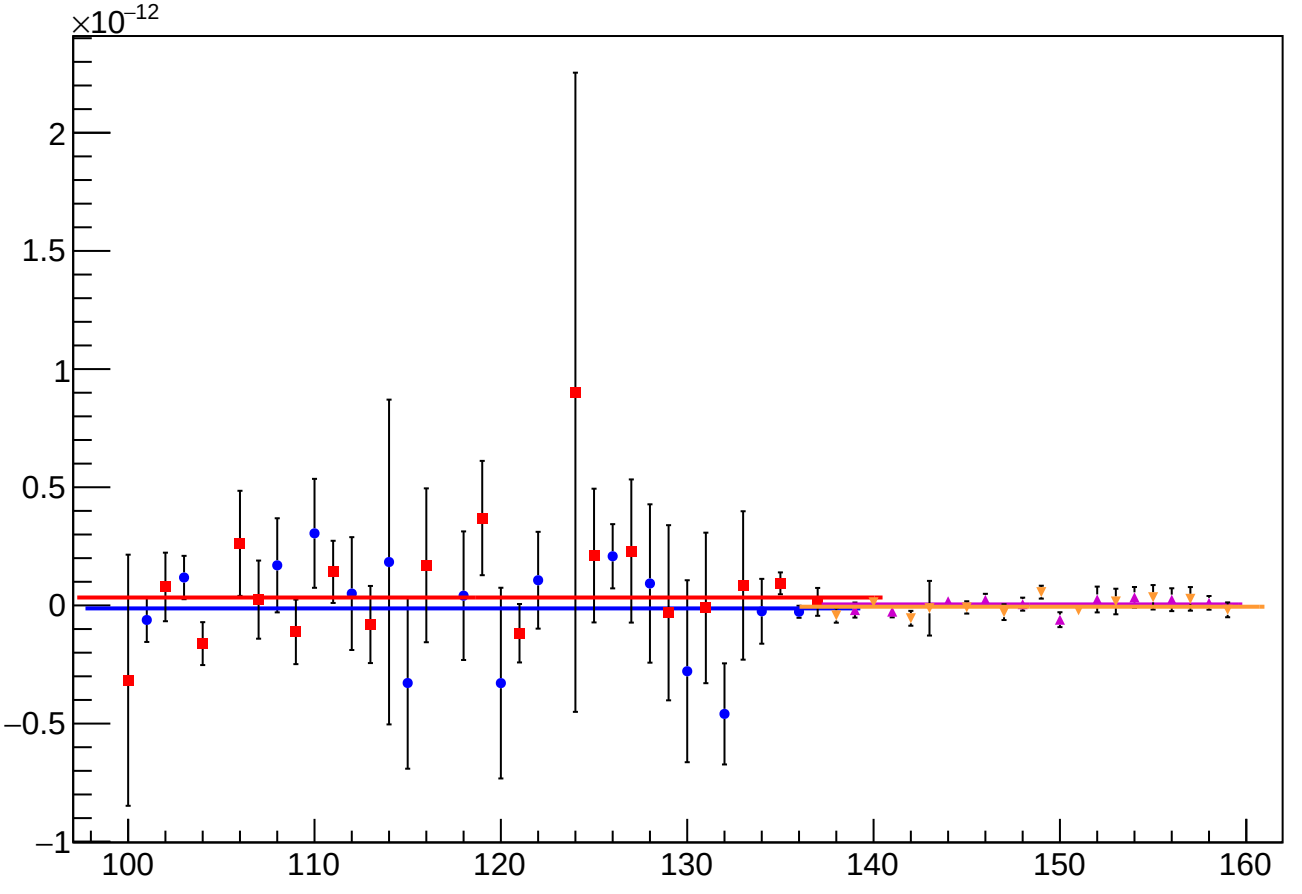
Left In: 2005.833+/-0.481 χ^2/NDF:27286.6/9

+ sign 2179.490+/-0.384 χ^2/NDF: 1240662.7/27

All: 2153.047+/-0.271 χ^2/NDF: 2131189.2/56

- sign 2126.851+/-0.382 χ^2/NDF: 881080.1/28

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

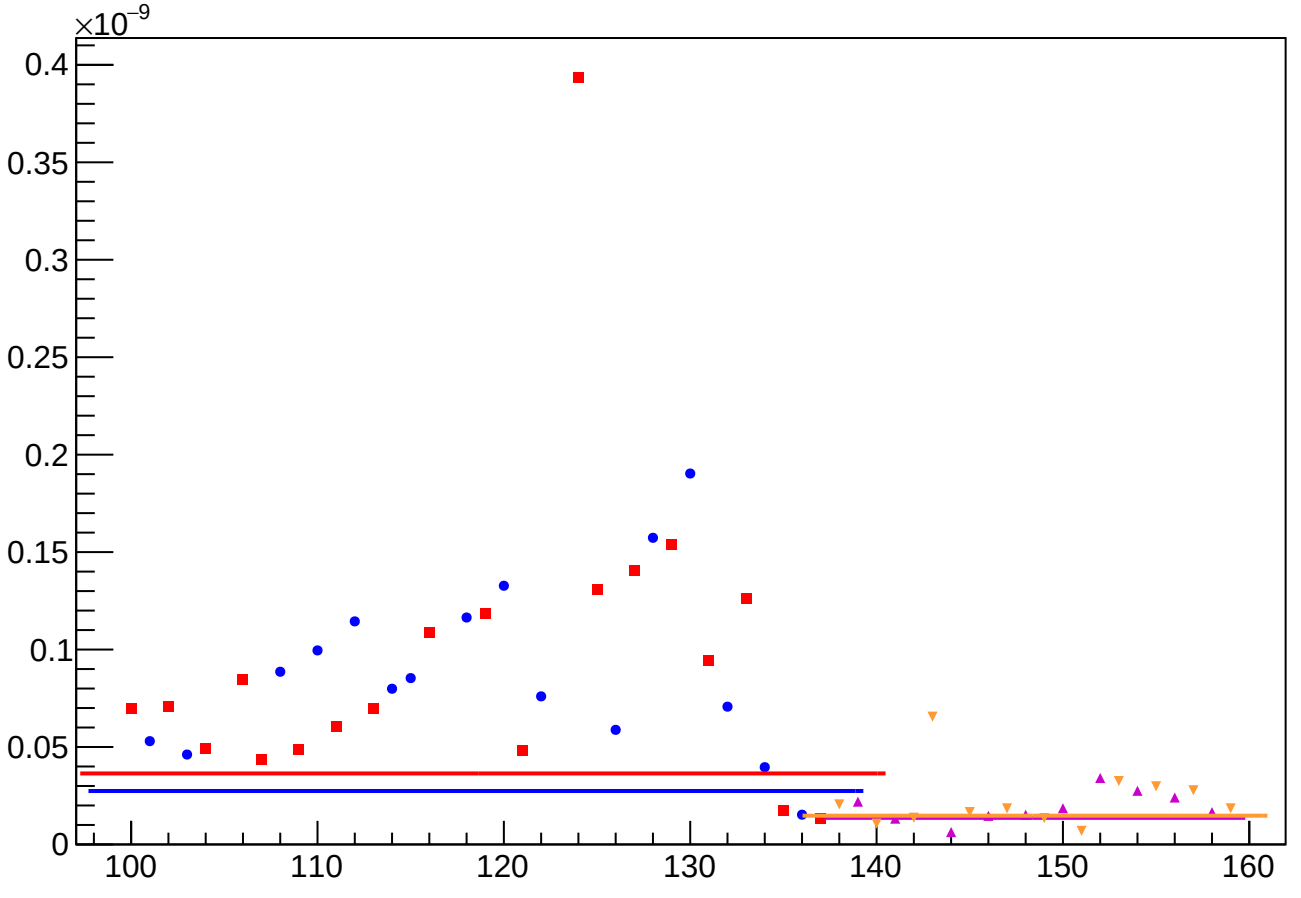
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/27

All: 0.000+/-0.000 χ^2/NDF: 53.5/56

- sign 0.000+/-0.000 χ^2/NDF: 24.8/28



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

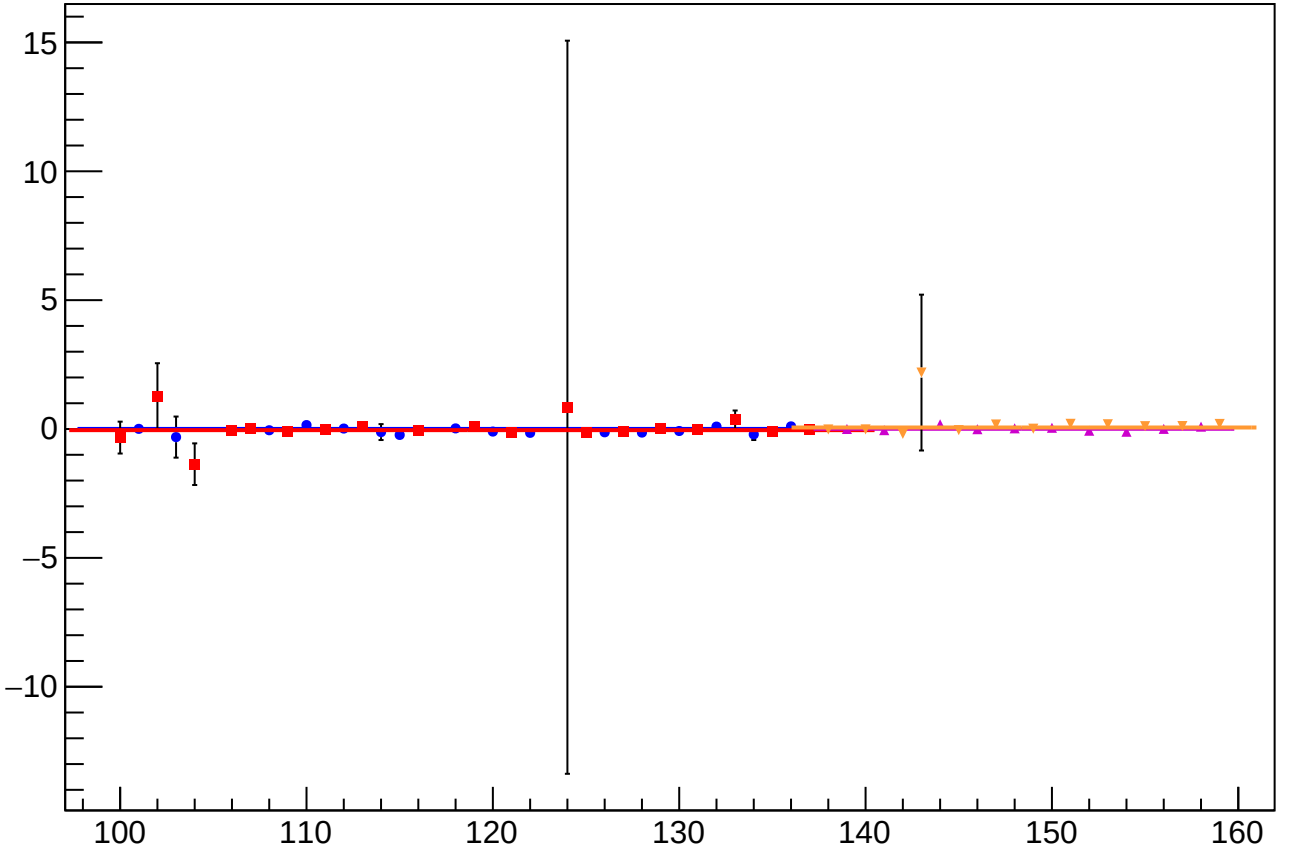
Left In: 0.000+/-0.000 χ^2/NDF:1347613.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 4787774.8/27

All: 0.000+/-0.000 χ^2/NDF: 9807082.3/56

- sign 0.000+/-0.000 χ^2/NDF: 5007110.8/28

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

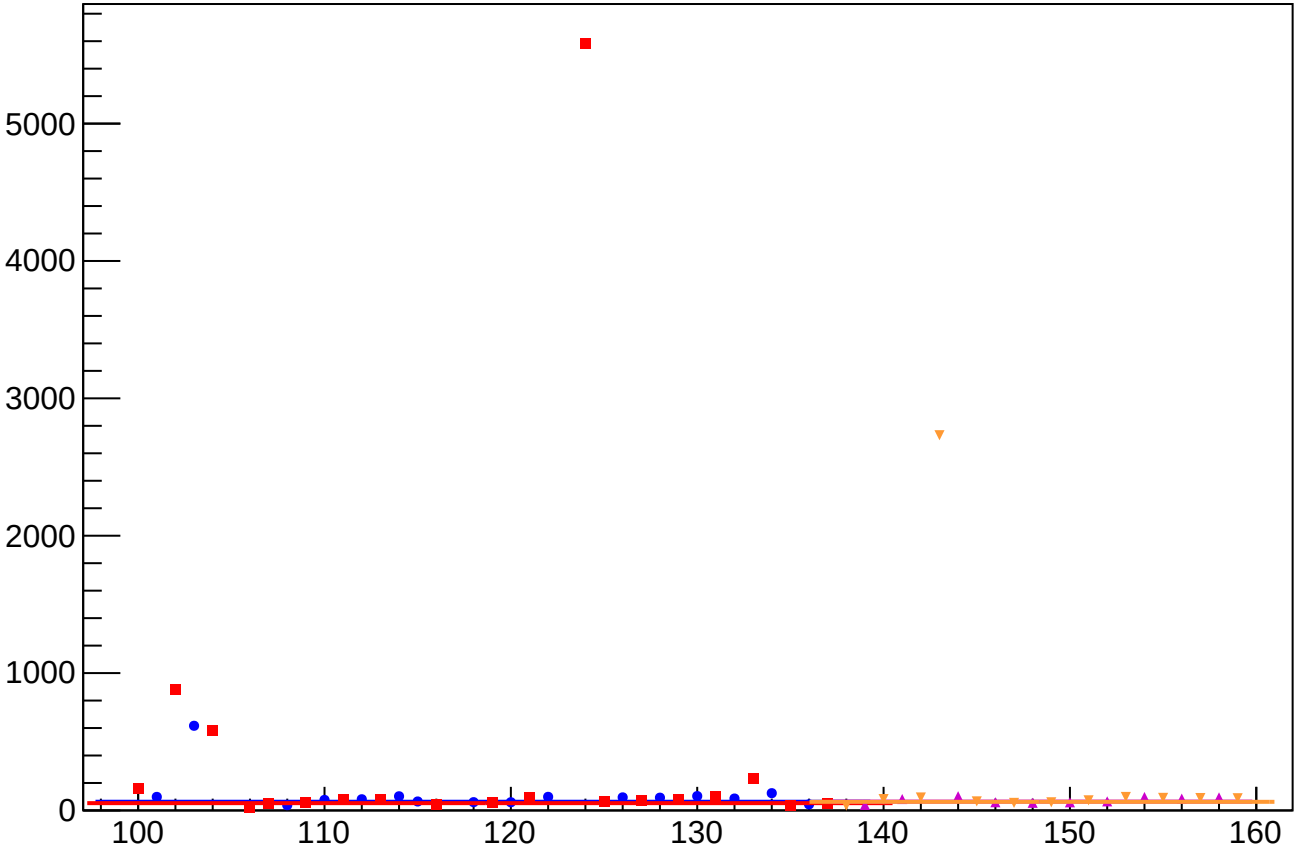
Left In: 0.009+/-0.024 χ^2/NDF:6.0/9

+ sign 0.035+/-0.018 χ^2/NDF: 34.8/27

All: 0.009+/-0.012 χ^2/NDF: 60.1/56

- sign -0.016+/-0.017 χ^2/NDF: 21.0/28

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

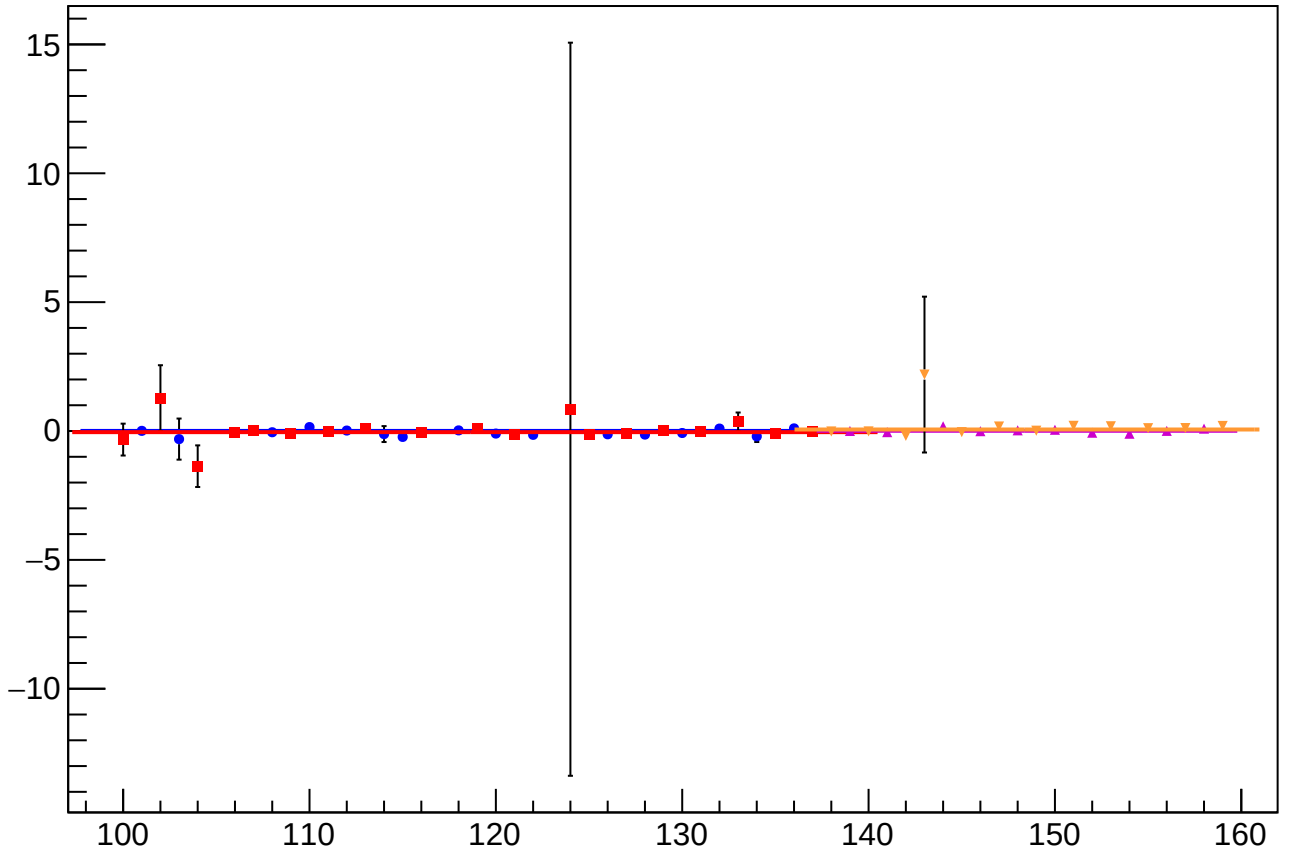
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 64.370+/-0.017 χ^2/NDF:1325205.4/9

+ sign 63.105+/-0.013 χ^2/NDF: 5709270.8/27

All: 60.988+/-0.009 χ^2/NDF: 11244992.7/56

- sign 59.003+/-0.012 χ^2/NDF: 5480795.3/28



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

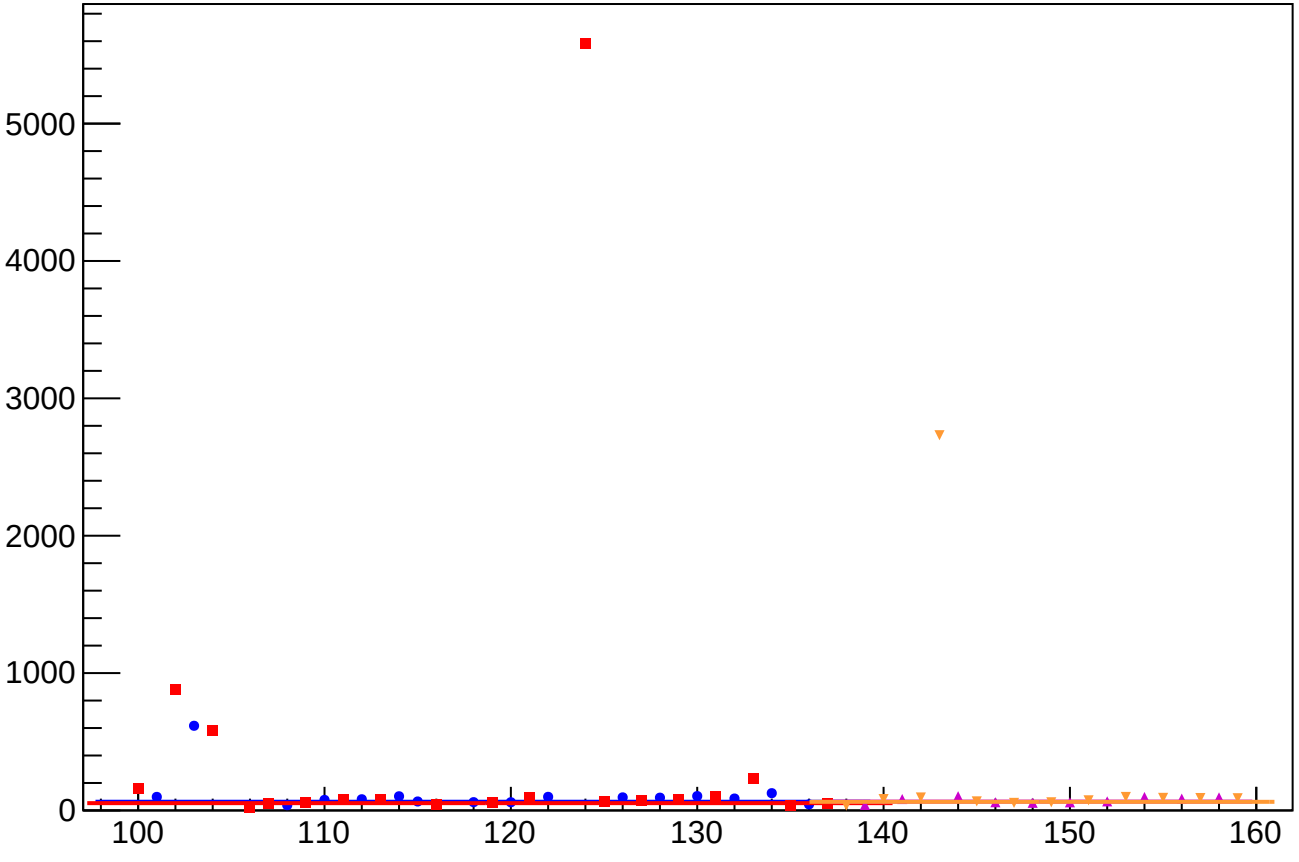
Left In: 0.009+/-0.024 χ^2/NDF:6.0/9

+ sign 0.035+/-0.018 χ^2/NDF: 34.8/27

All: 0.009+/-0.012 χ^2/NDF: 60.1/56

- sign -0.016+/-0.017 χ^2/NDF: 21.0/28

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

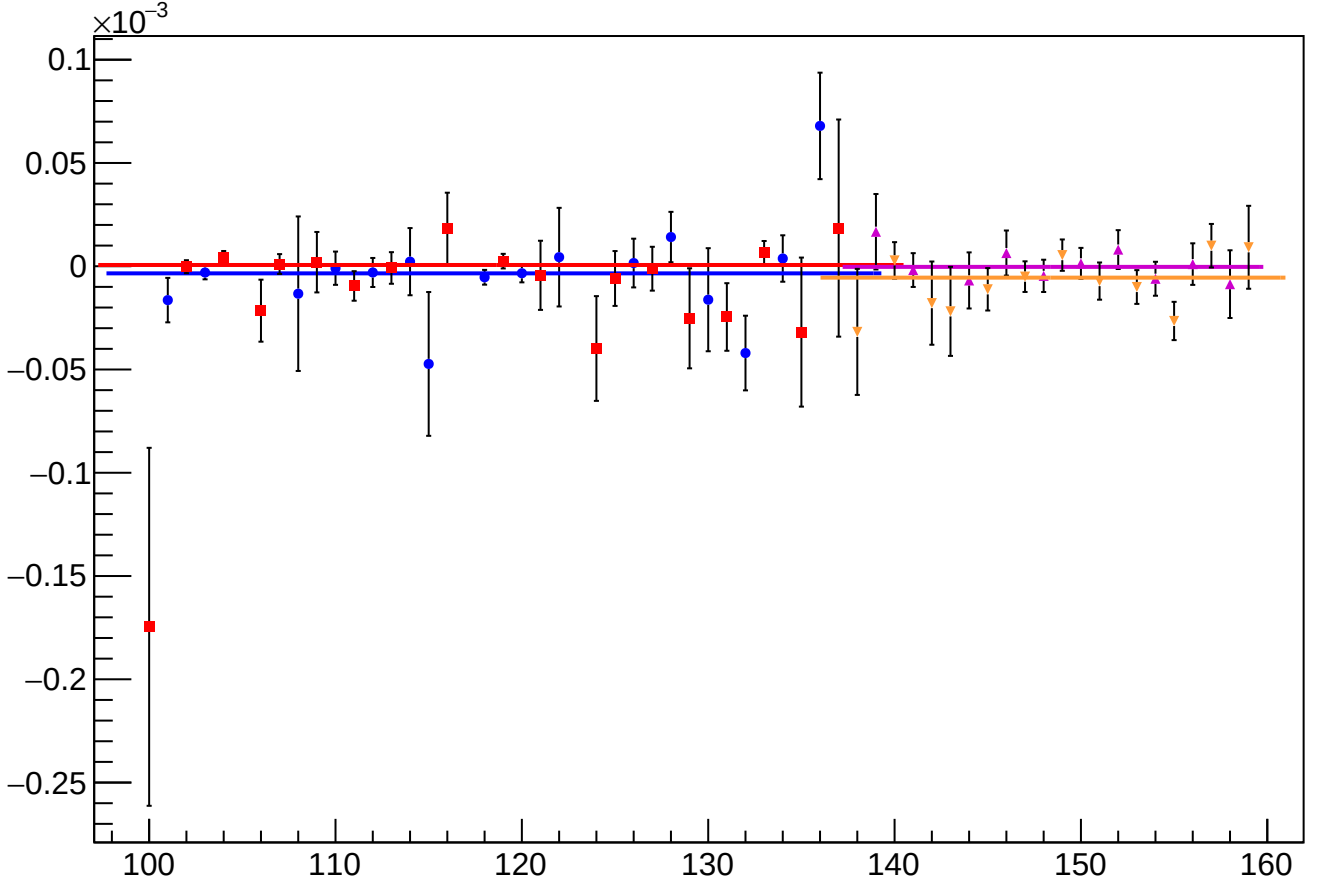
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 64.370+/-0.017 χ^2/NDF:1325205.4/9

+ sign 63.105+/-0.013 χ^2/NDF: 5709270.8/27

All: 60.988+/-0.009 χ^2/NDF: 11244992.7/56

- sign 59.003+/-0.012 χ^2/NDF: 5480795.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/11

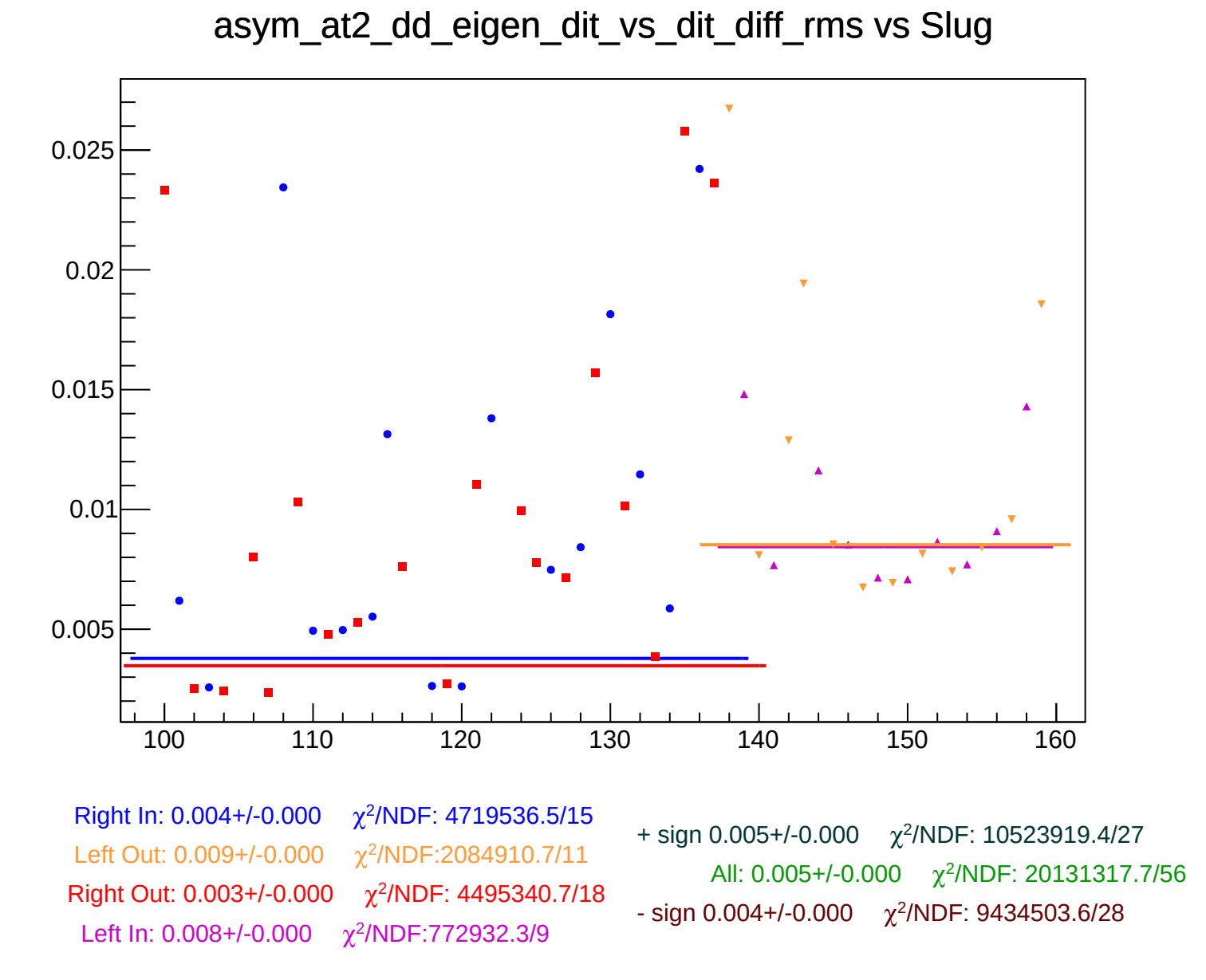
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

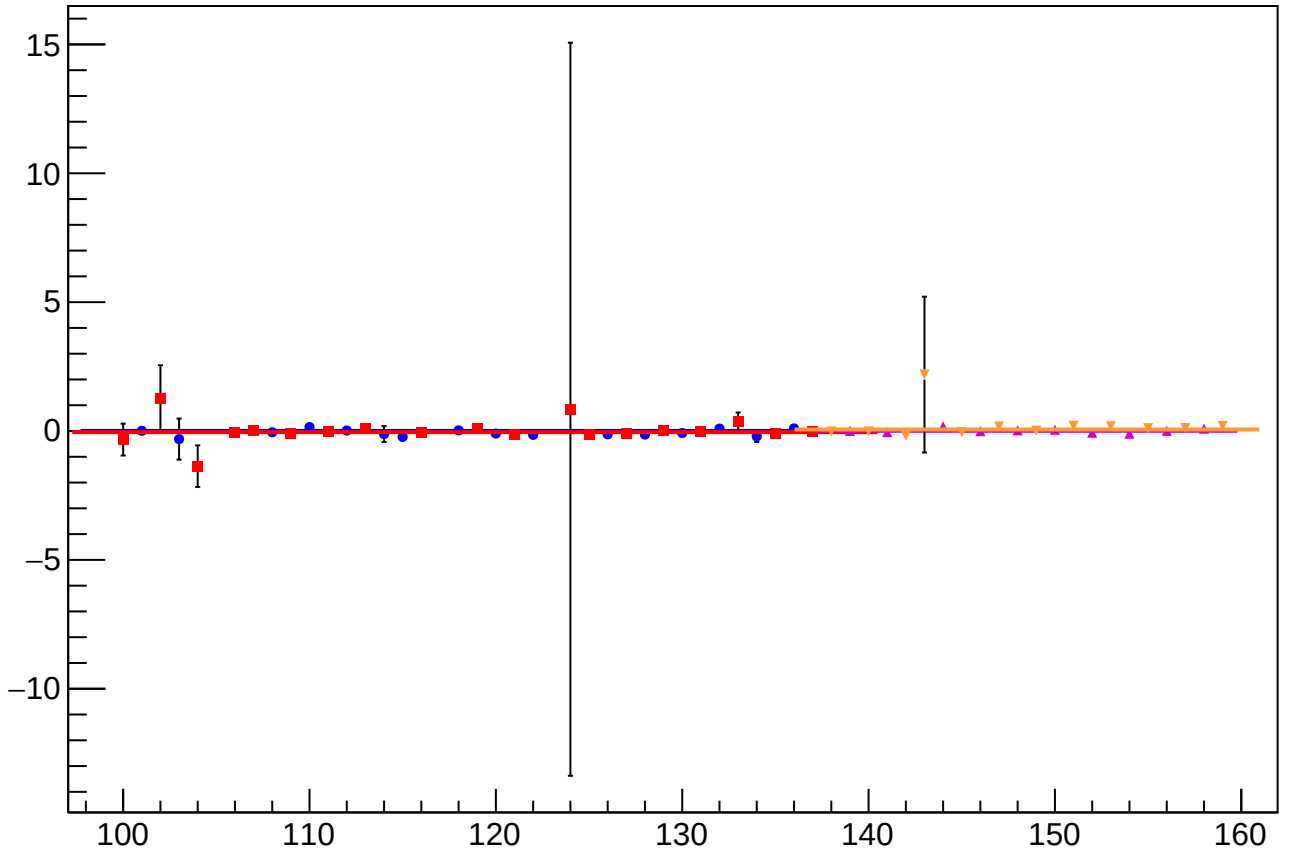
Left In: -0.000+/-0.000 χ^2/NDF:3.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/27

All: -0.000+/-0.000 χ^2/NDF: 59.6/56

- sign 0.000+/-0.000 χ^2/NDF: 22.7/28


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.009+/-0.000 χ²/NDF:2084910.7/11
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.008+/-0.000 χ²/NDF:772932.3/9
+ sign 0.005+/-0.000 χ²/NDF: 10523919.4/27
All: 0.005+/-0.000 χ²/NDF: 20131317.7/56
- sign 0.004+/-0.000 χ²/NDF: 9434503.6/28



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

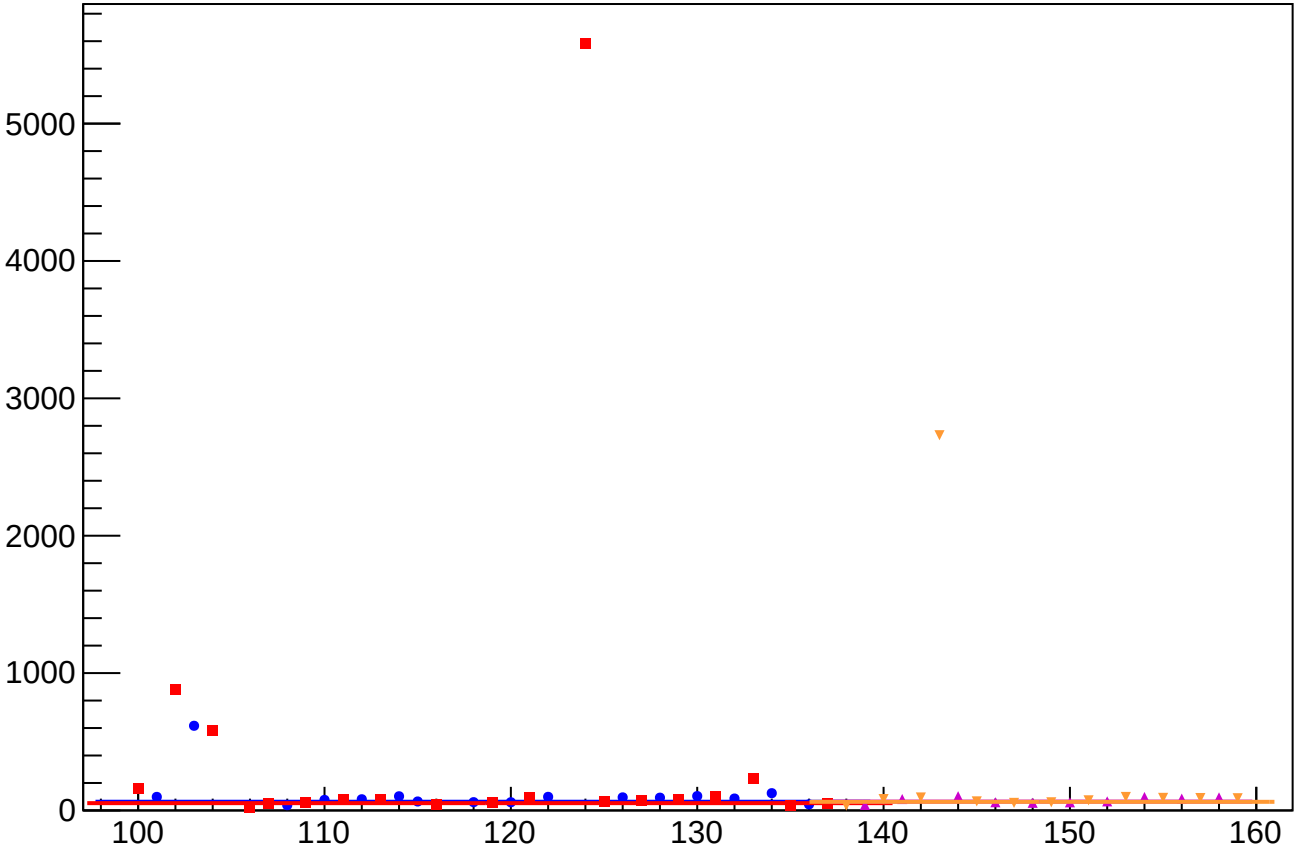
Left In: 0.009+/-0.024 χ^2/NDF:6.0/9

+ sign 0.035+/-0.018 χ^2/NDF: 34.8/27

All: 0.009+/-0.012 χ^2/NDF: 60.1/56

- sign -0.016+/-0.017 χ^2/NDF: 21.0/28

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

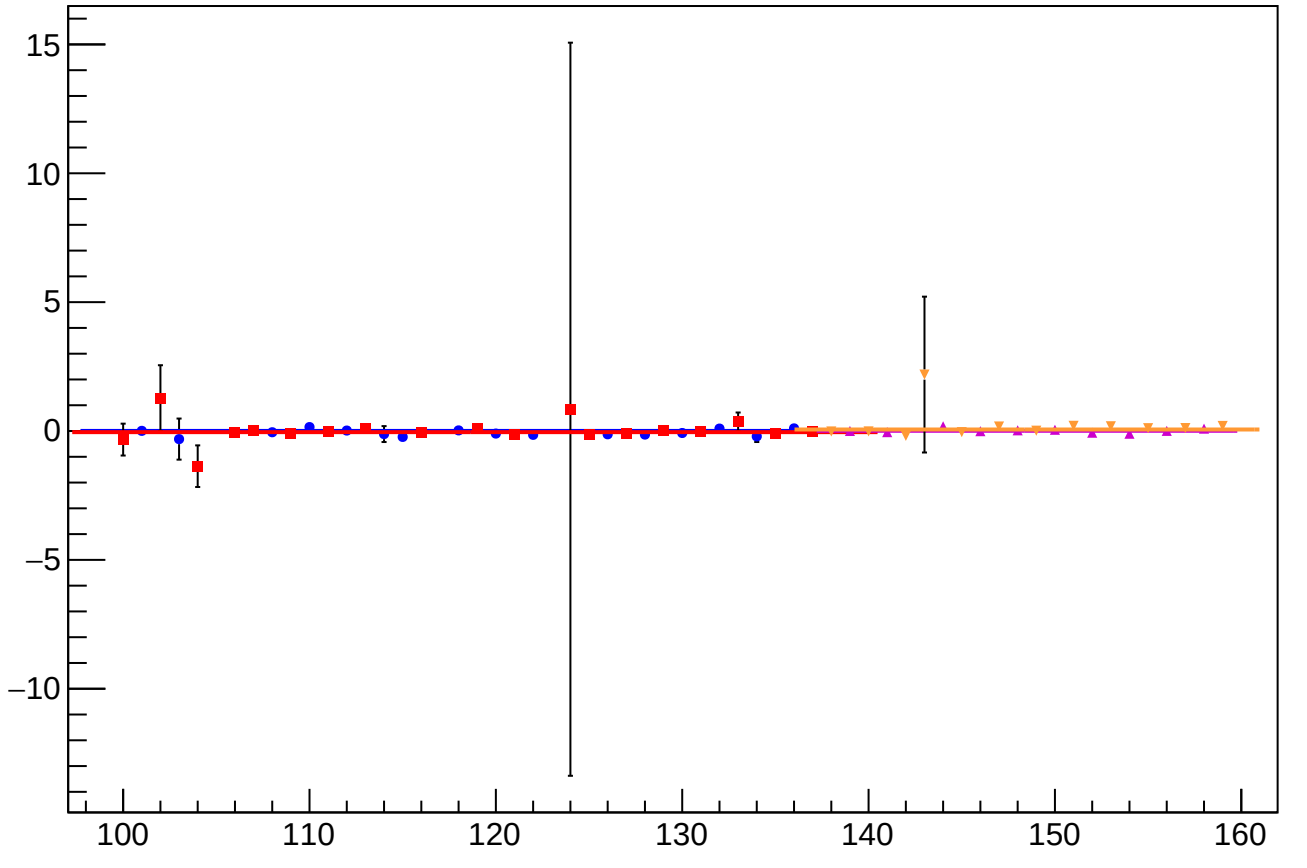
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 64.374+/-0.017 χ^2/NDF:1324823.3/9

+ sign 63.108+/-0.013 χ^2/NDF: 5708520.9/27

All: 60.989+/-0.009 χ^2/NDF: 11244840.4/56

- sign 59.002+/-0.012 χ^2/NDF: 5481291.1/28



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

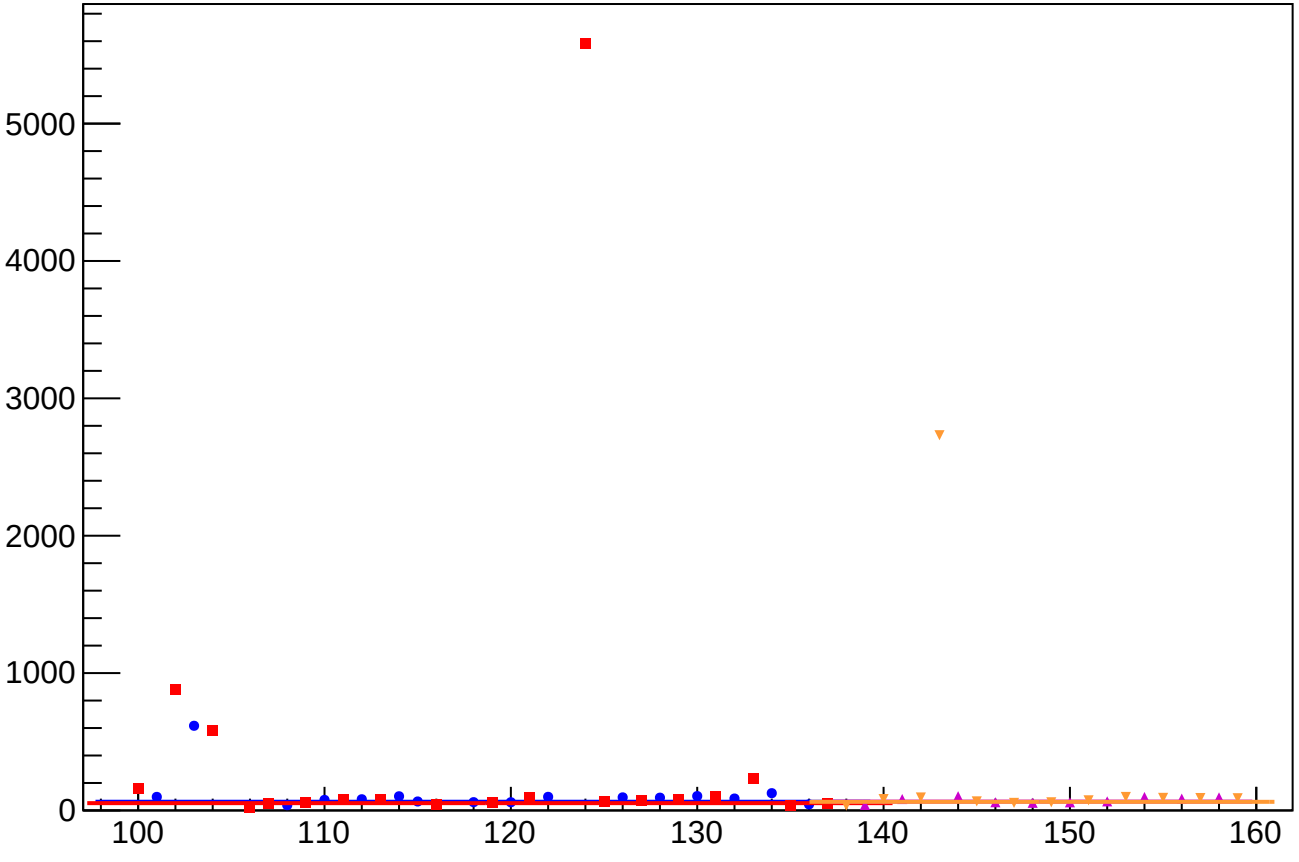
Left In: 0.009+/-0.024 χ^2/NDF:6.0/9

+ sign 0.035+/-0.018 χ^2/NDF: 34.8/27

All: 0.009+/-0.012 χ^2/NDF: 60.1/56

- sign -0.016+/-0.017 χ^2/NDF: 21.0/28

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 62.843+/-0.017 χ^2/NDF:3263569.2/11

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

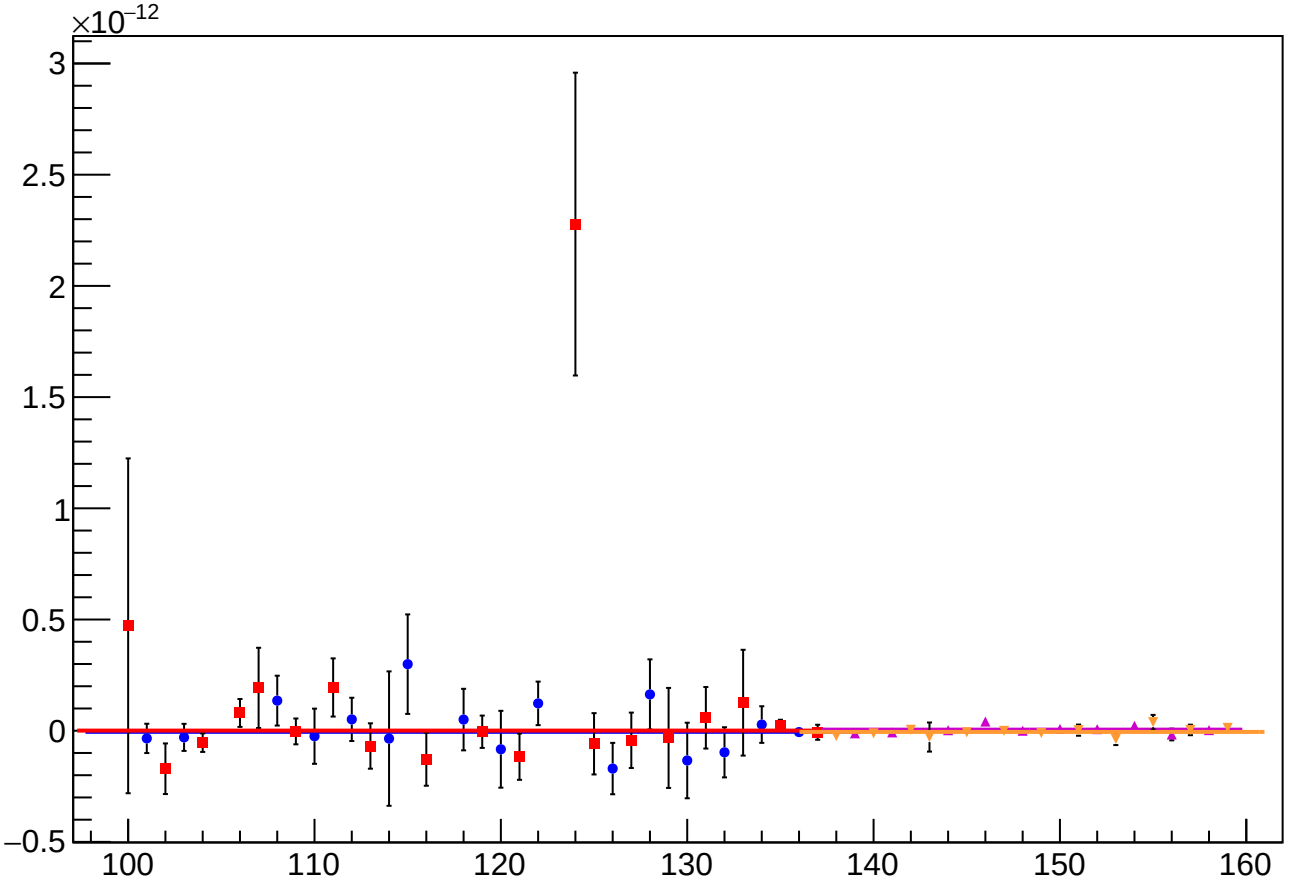
Left In: 64.374+/-0.017 χ^2/NDF:1324823.3/9

+ sign 63.108+/-0.013 χ^2/NDF: 5708520.9/27

All: 60.989+/-0.009 χ^2/NDF: 11244840.4/56

- sign 59.002+/-0.012 χ^2/NDF: 5481291.1/28

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

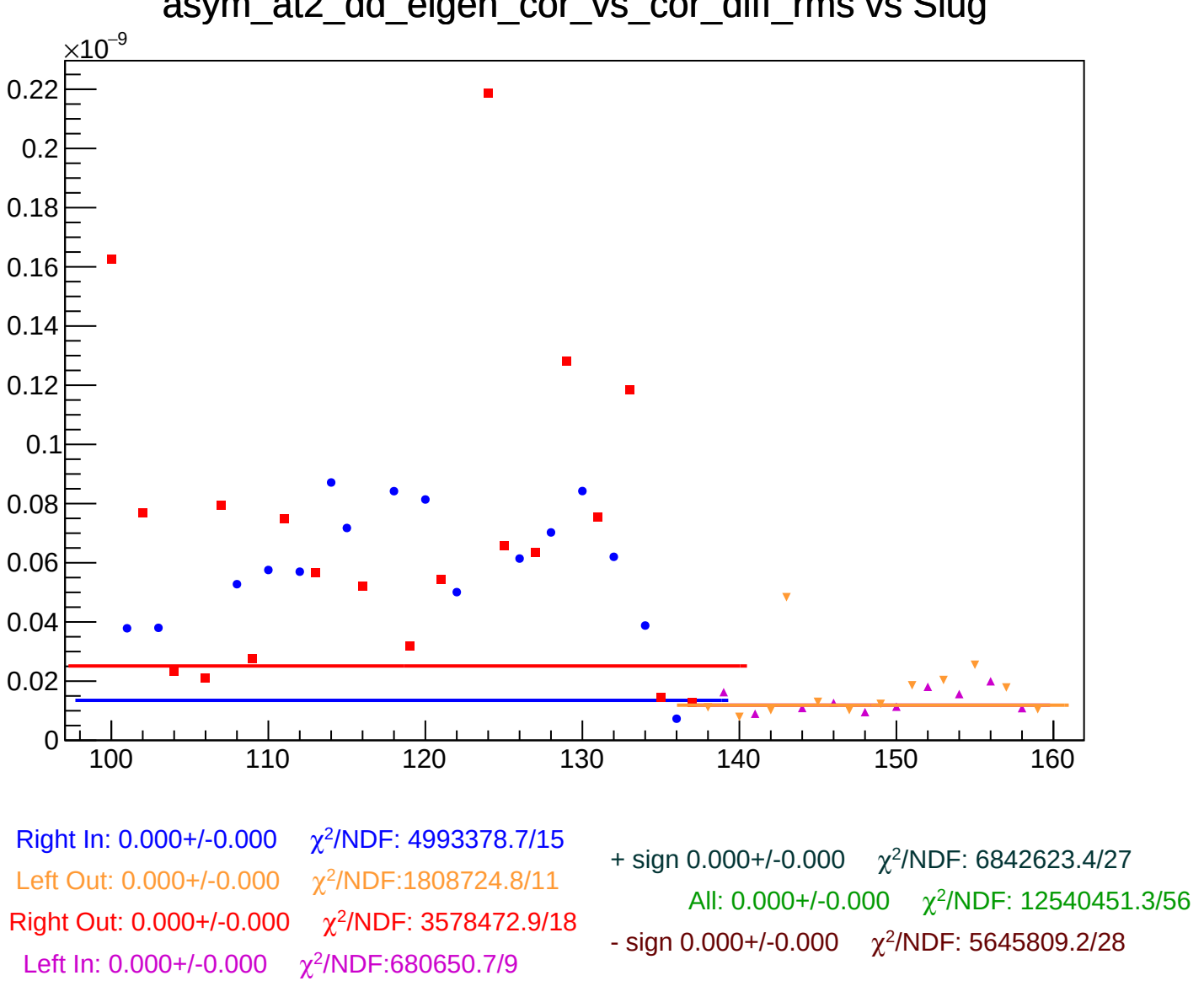
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/9

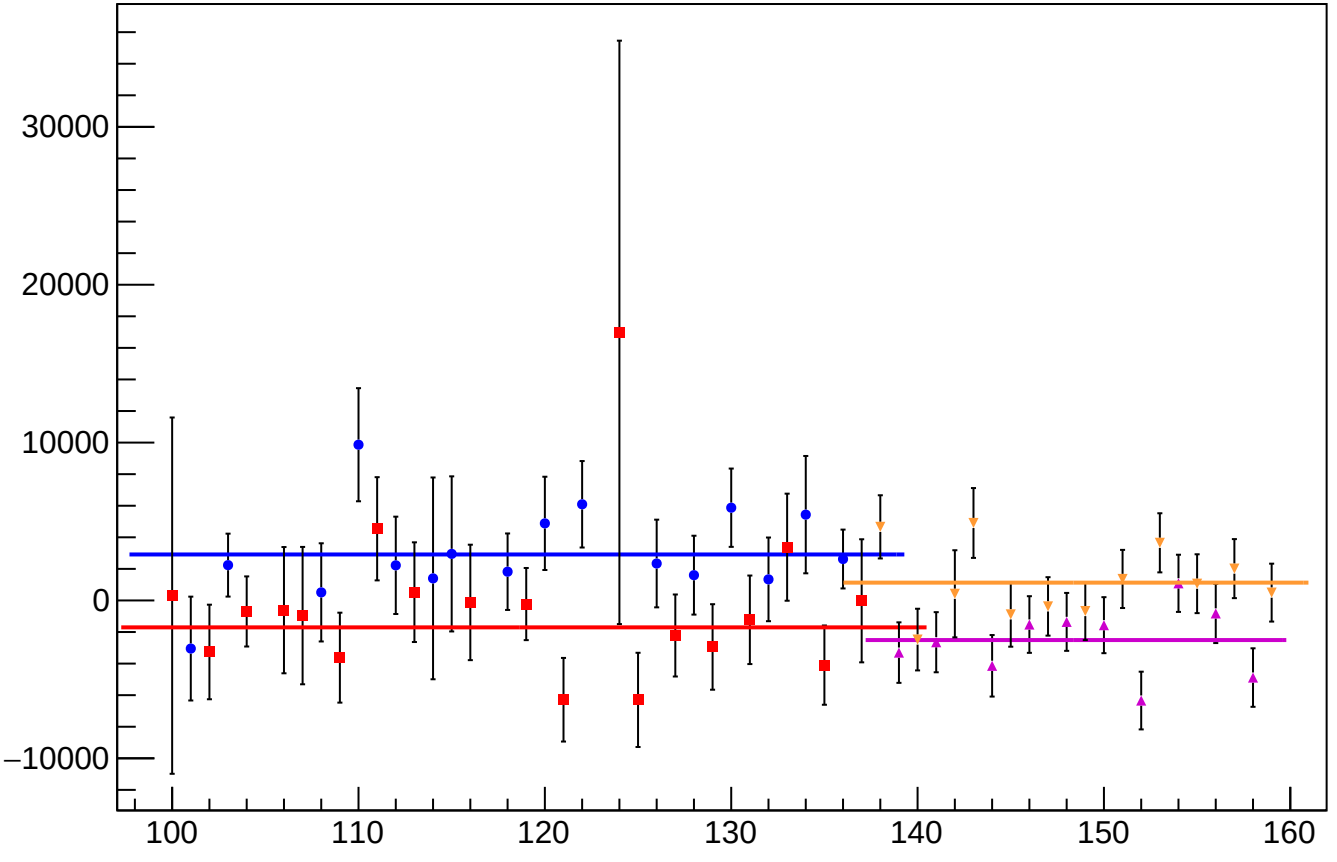
+ sign -0.000+/-0.000 χ^2/NDF: 18.2/27

All: -0.000+/-0.000 χ^2/NDF: 53.8/56

- sign 0.000+/-0.000 χ^2/NDF: 33.5/28


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:680650.7/9
+ sign 0.000+/-0.000 χ²/NDF: 6842623.4/27
All: 0.000+/-0.000 χ²/NDF: 12540451.3/56
- sign 0.000+/-0.000 χ²/NDF: 5645809.2/28

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

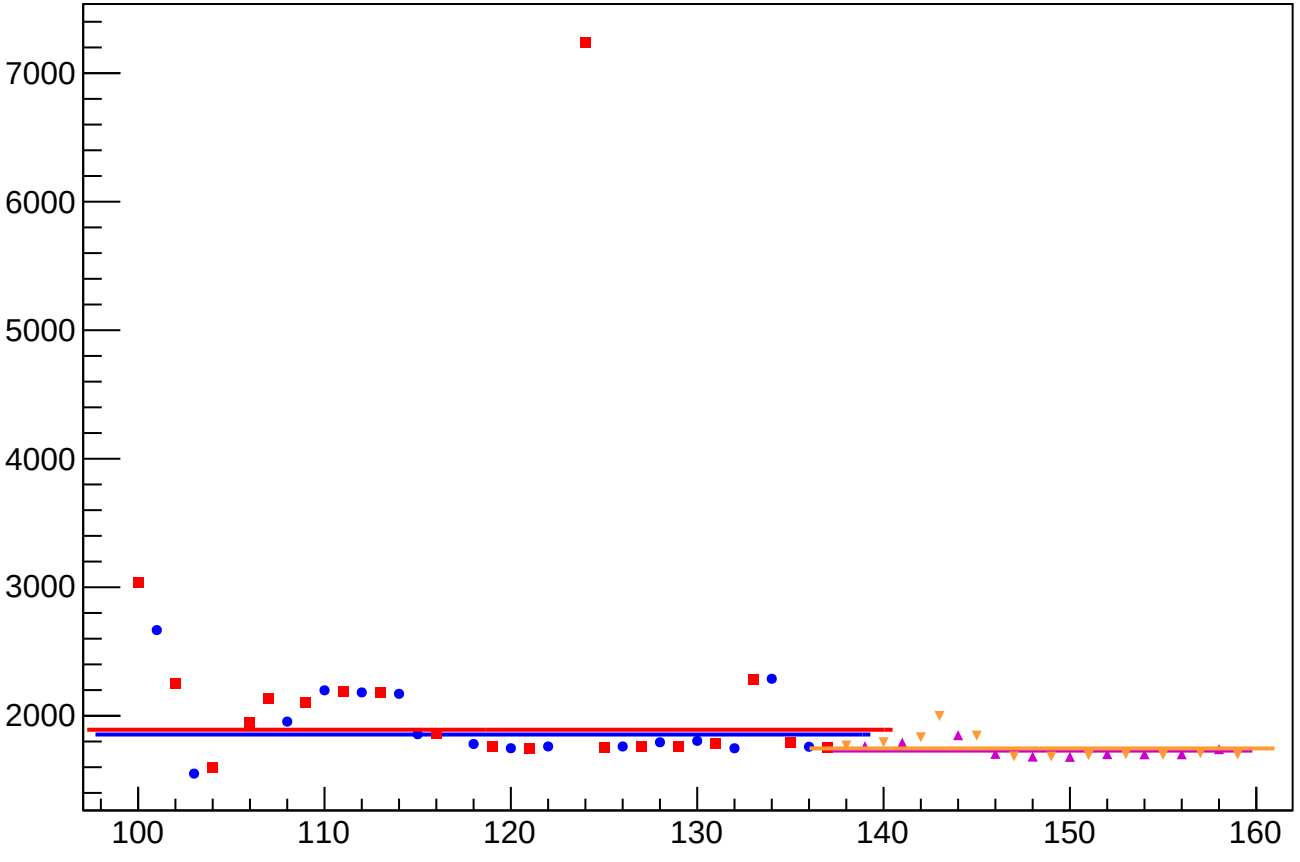
Left In: -2509.039+/-585.662 χ^2/NDF:12.6/9

+ sign 1839.783+/-438.788 χ^2/NDF: 30.7/27

All: -115.889+/-314.491 χ^2/NDF: 100.7/56

- sign -2181.709+/-450.976 χ^2/NDF: 29.2/28

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

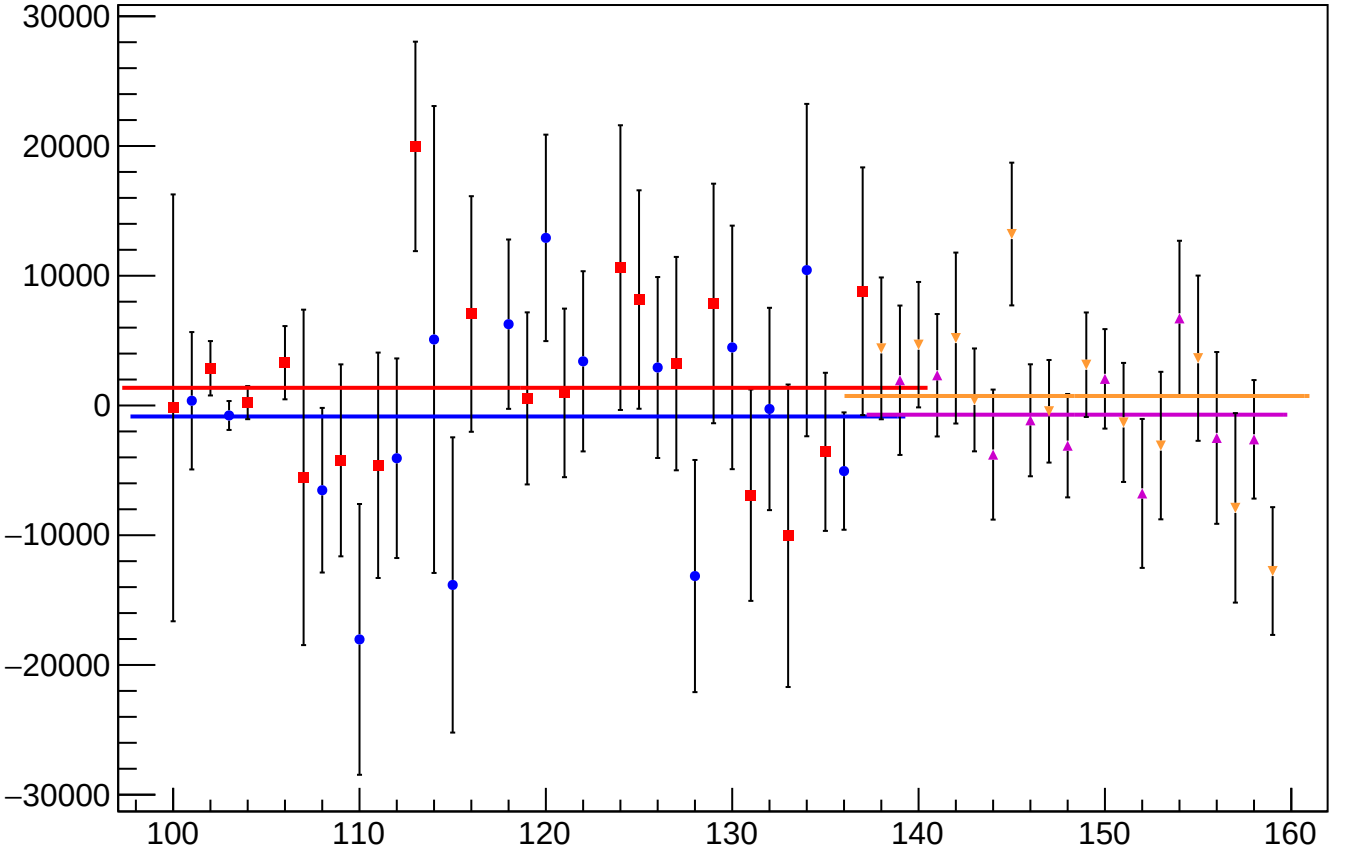
Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

+ sign 1789.308+/-0.310 χ^2/NDF: 337548.3/27

All: 1792.279+/-0.222 χ^2/NDF: 779487.3/56

- sign 1795.412+/-0.319 χ^2/NDF: 441750.6/28

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

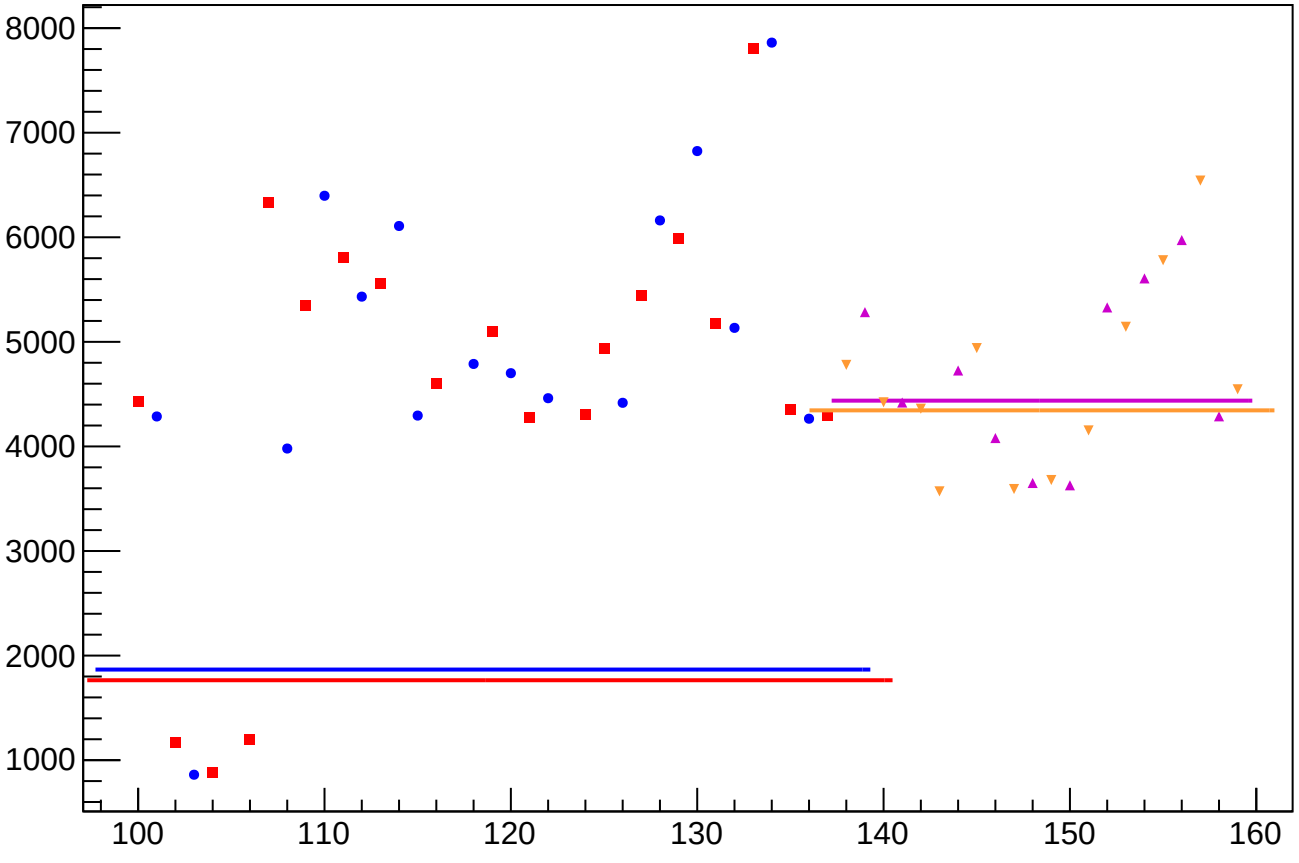
Left In: -709.796+/-1527.521 χ^2/NDF:4.8/9

+ sign -358.110+/-799.834 χ^2/NDF: 31.6/27

All: 238.390+/-560.443 χ^2/NDF: 52.9/56

- sign 813.749+/-785.532 χ^2/NDF: 20.2/28

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

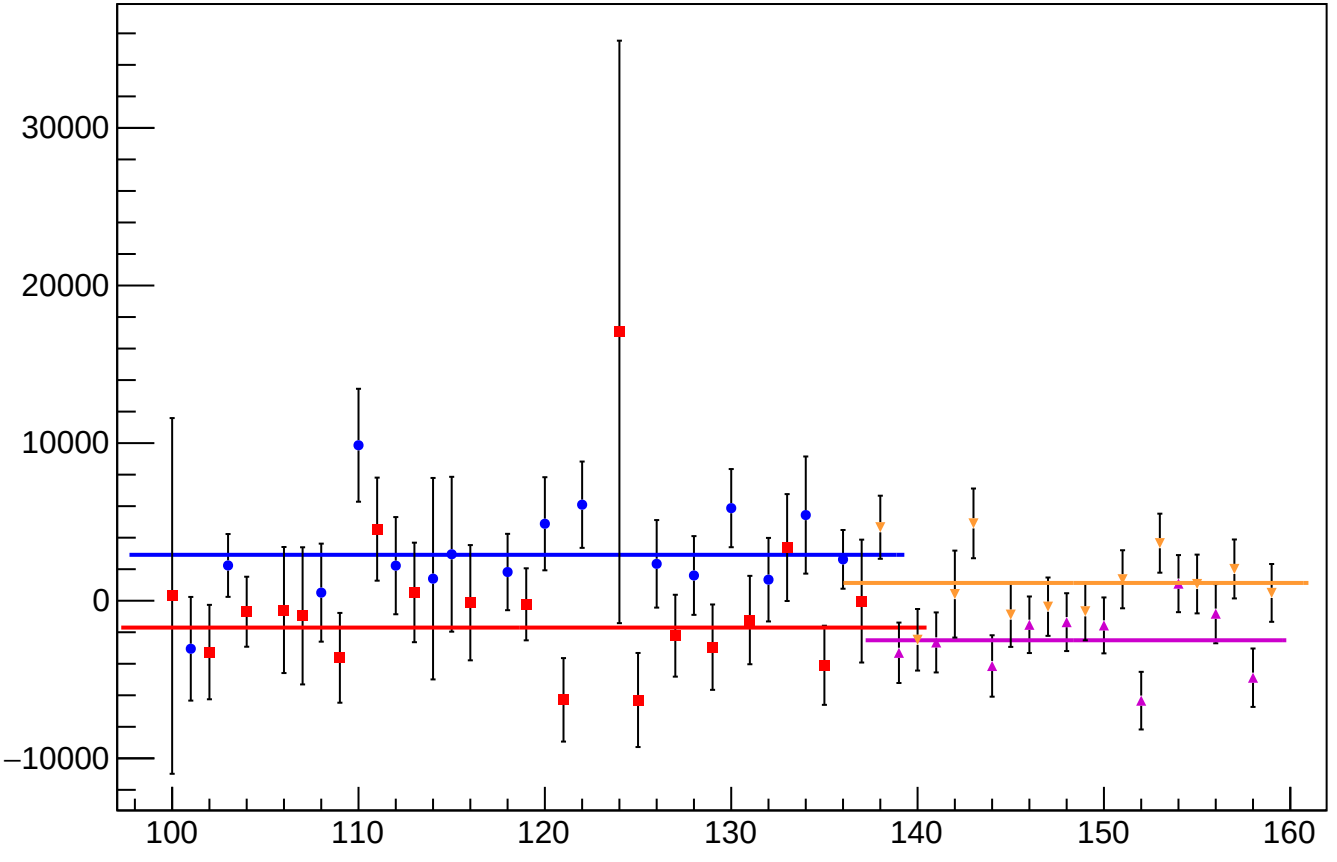
Left In: 4437.801+/-1.080 χ^2/NDF:465127.0/9

+ sign 2634.863+/-0.566 χ^2/NDF: 11526992.7/27

All: 2551.611+/-0.396 χ^2/NDF: 22975909.6/5

- sign 2471.311+/-0.555 χ^2/NDF: 11406349.4/28

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

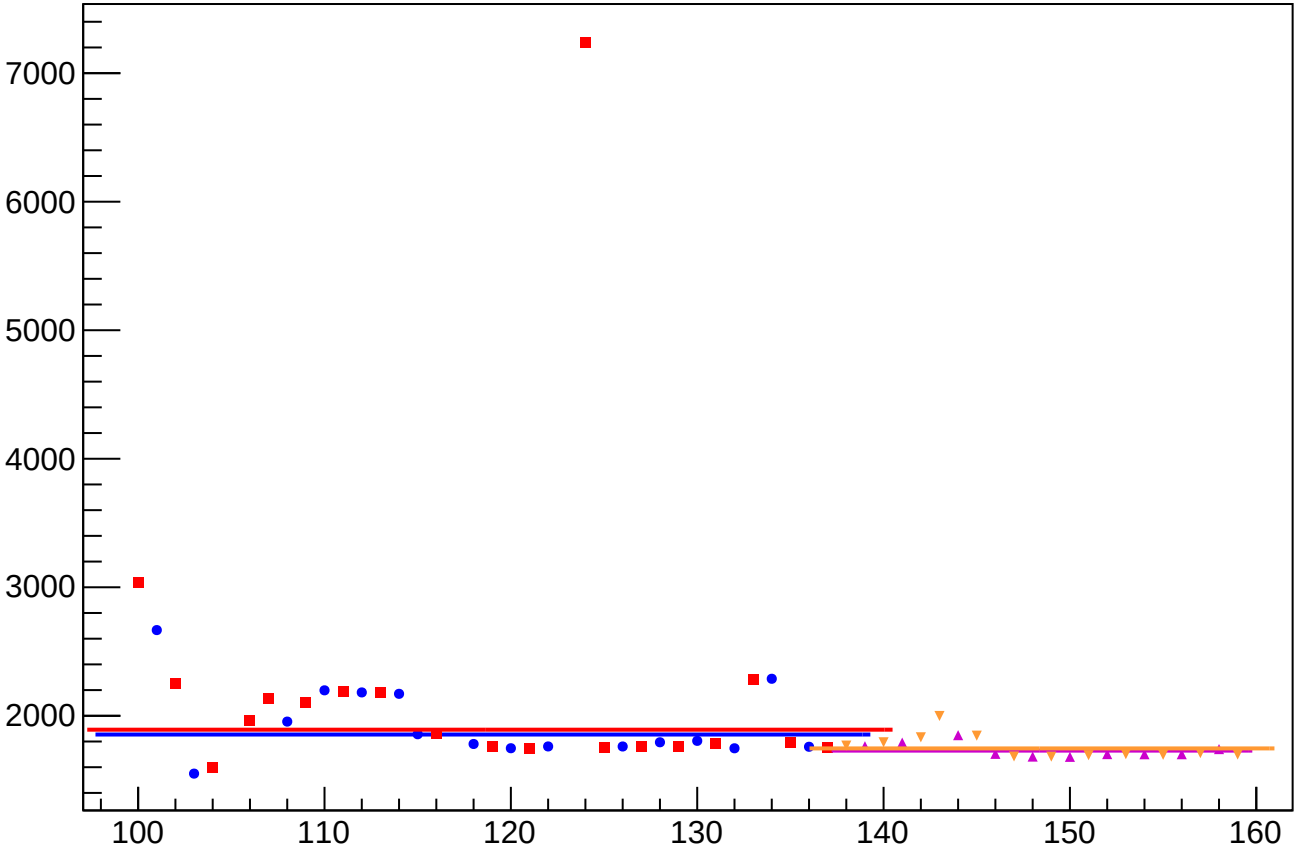
Left In: -2509.191+/-585.662 χ^2/NDF:12.6/9

+ sign 1839.710+/-438.788 χ^2/NDF: 30.7/27

All: -115.697+/-314.491 χ^2/NDF: 100.8/56

- sign -2181.238+/-450.976 χ^2/NDF: 29.2/28

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

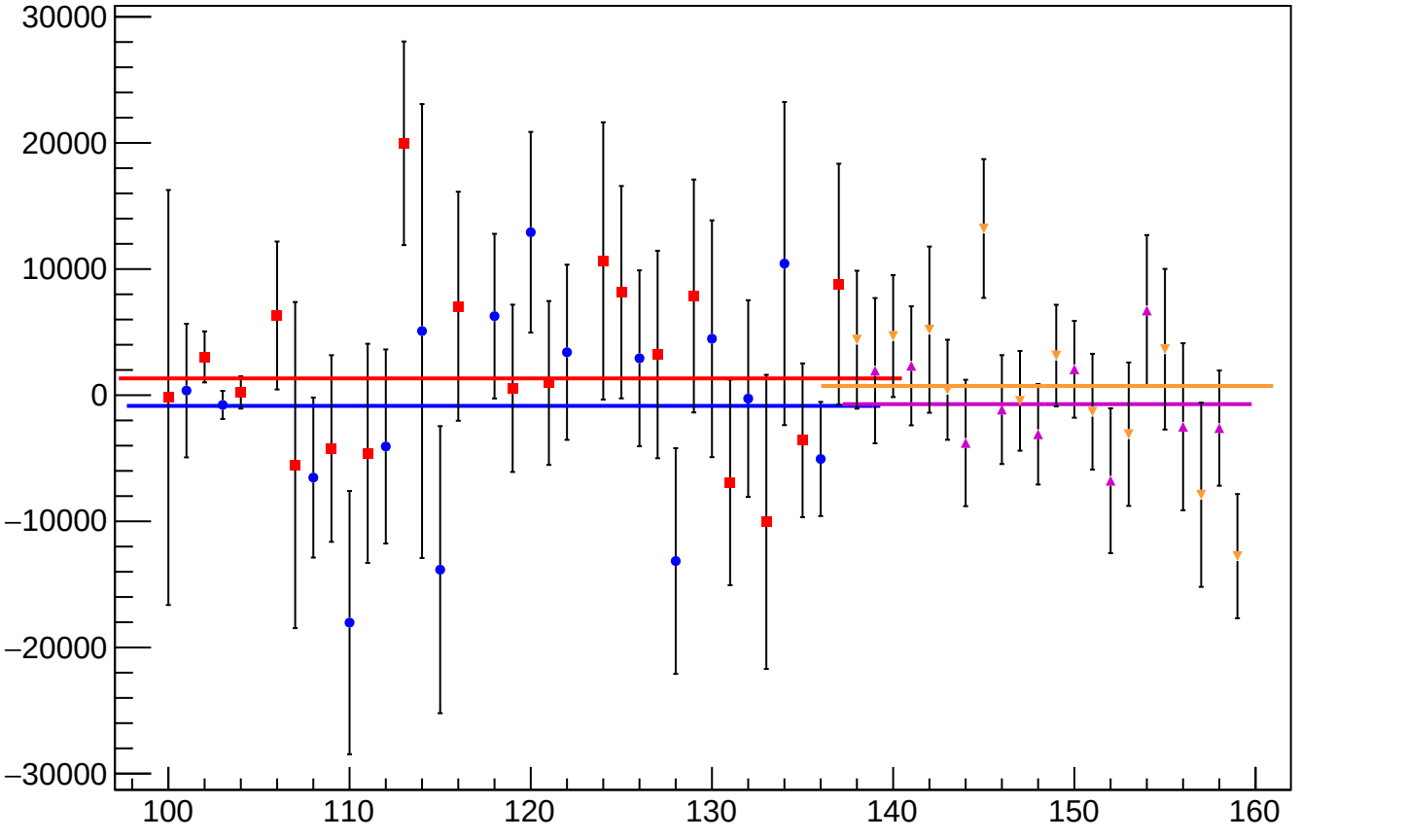
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

+ sign 1789.308+/-0.310 χ^2/NDF: 337548.2/27

All: 1792.361+/-0.222 χ^2/NDF: 780077.0/56

- sign 1795.581+/-0.319 χ^2/NDF: 442329.8/28



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

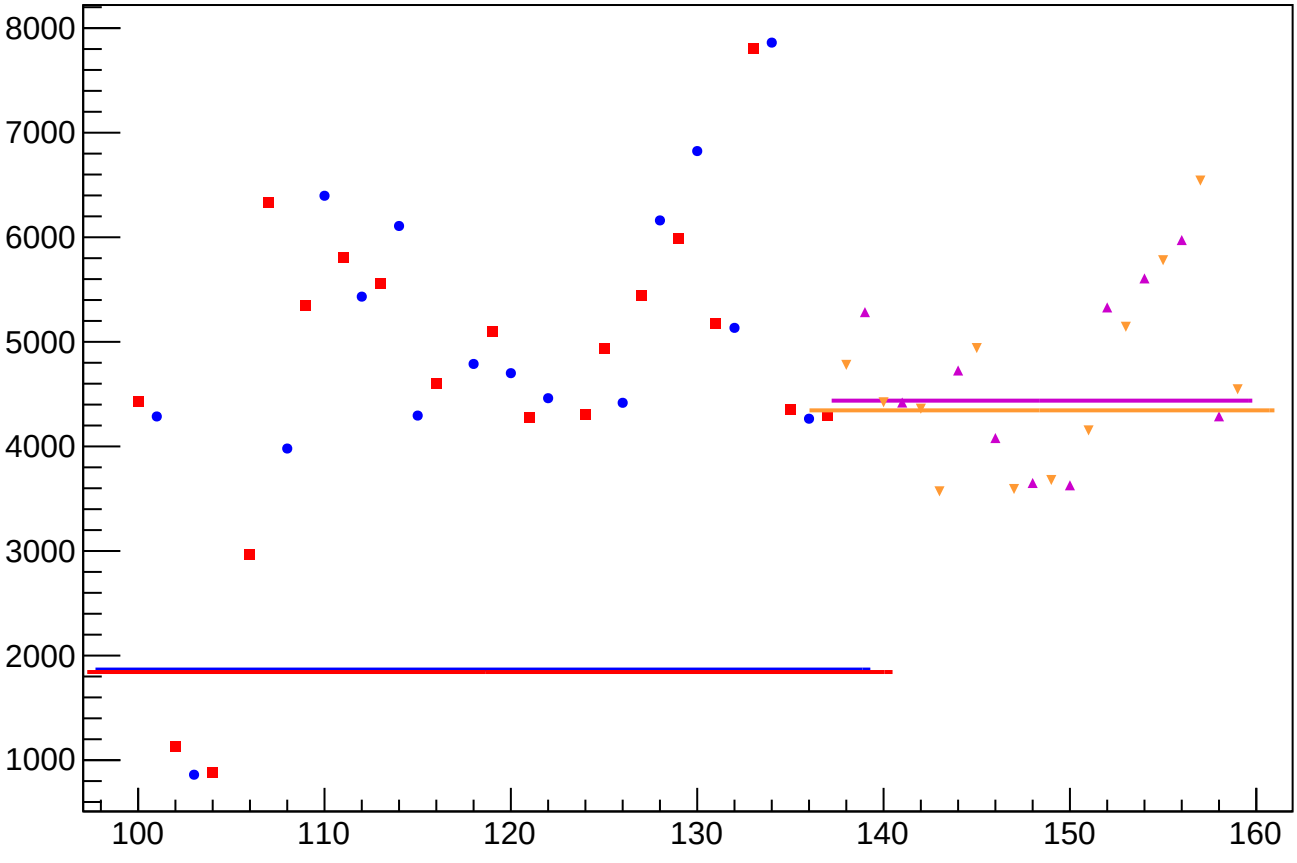
Left In: -709.929+/-1527.520 χ^2/NDF:4.8/9

+ sign -357.849+/-799.803 χ^2/NDF: 31.6/27

All: 198.846+/-567.580 χ^2/NDF: 53.1/56

- sign 763.621+/-805.586 χ^2/NDF: 20.5/28

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

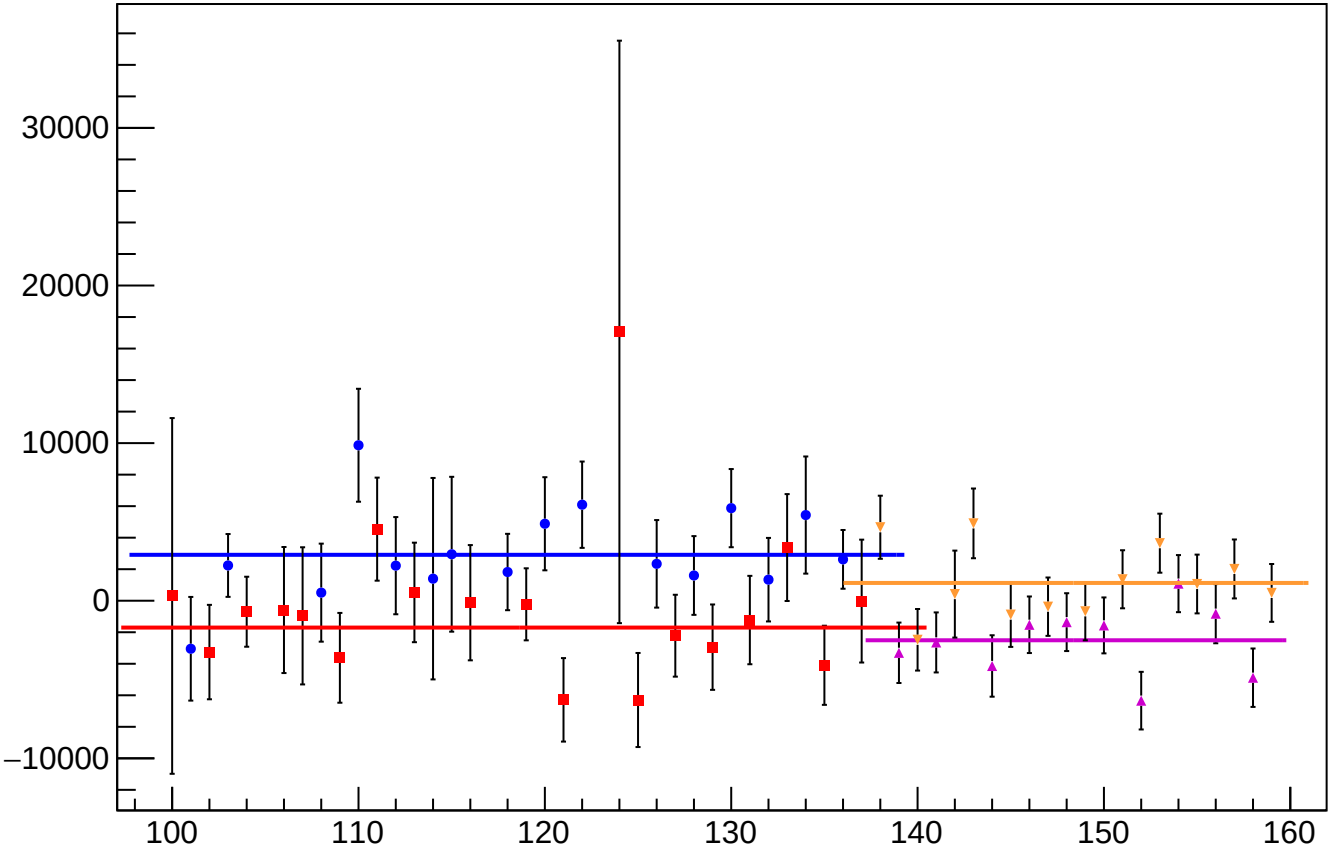
Left In: 4437.799+/-1.080 χ^2/NDF:465135.6/9

+ sign 2634.698+/-0.566 χ^2/NDF: 11528067.0/27

All: 2599.906+/-0.401 χ^2/NDF: 22625683.7/5

- sign 2564.610+/-0.570 χ^2/NDF: 11089992.8/28

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

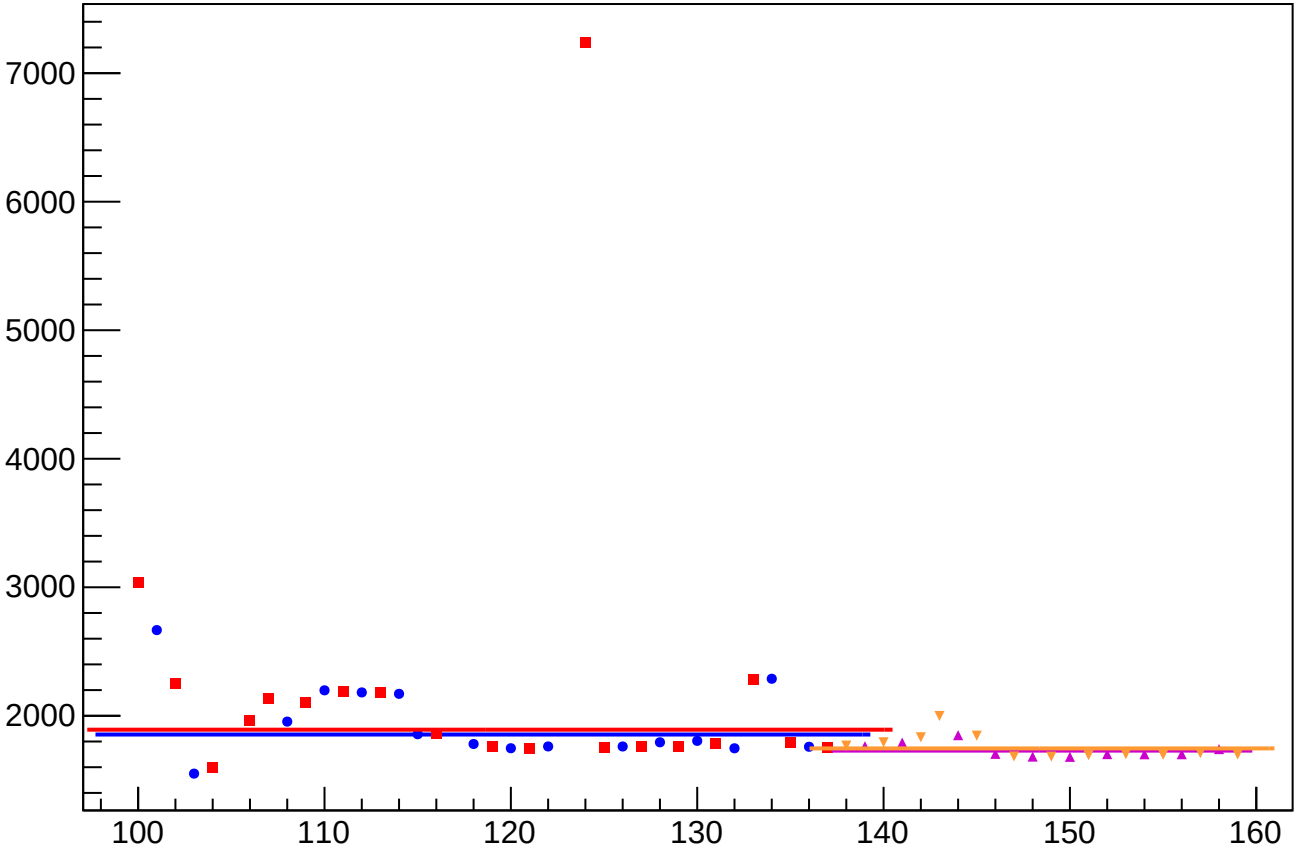
Left In: -2509.191+/-585.662 χ^2/NDF:12.6/9

+ sign 1839.710+/-438.788 χ^2/NDF: 30.7/27

All: -115.697+/-314.491 χ^2/NDF: 100.8/56

- sign -2181.238+/-450.976 χ^2/NDF: 29.2/28

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

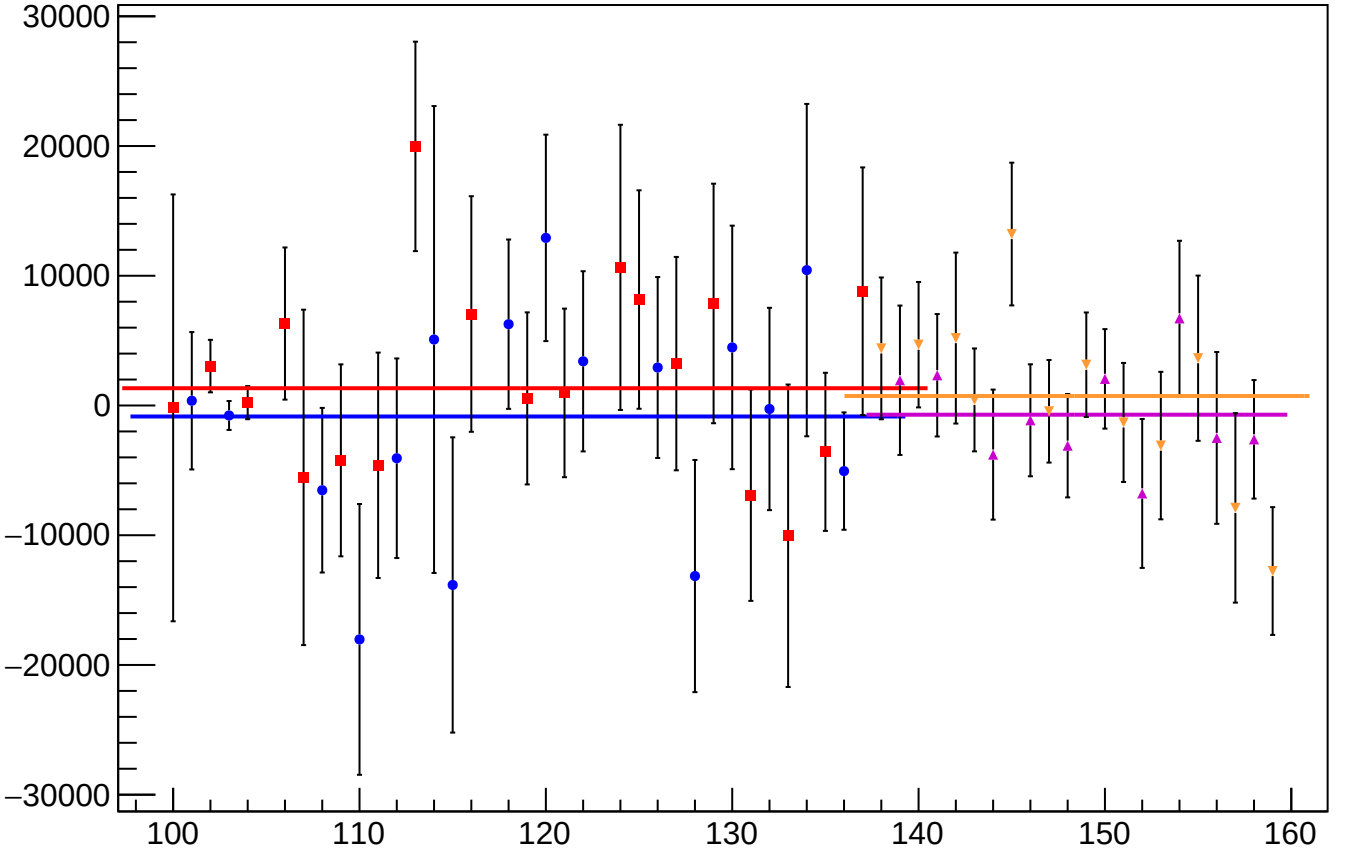
Left In: 1729.161+/-0.414 χ^2/NDF:15000.4/9

+ sign 1789.308+/-0.310 χ^2/NDF: 337548.2/27

All: 1792.361+/-0.222 χ^2/NDF: 780077.0/56

- sign 1795.581+/-0.319 χ^2/NDF: 442329.8/28

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

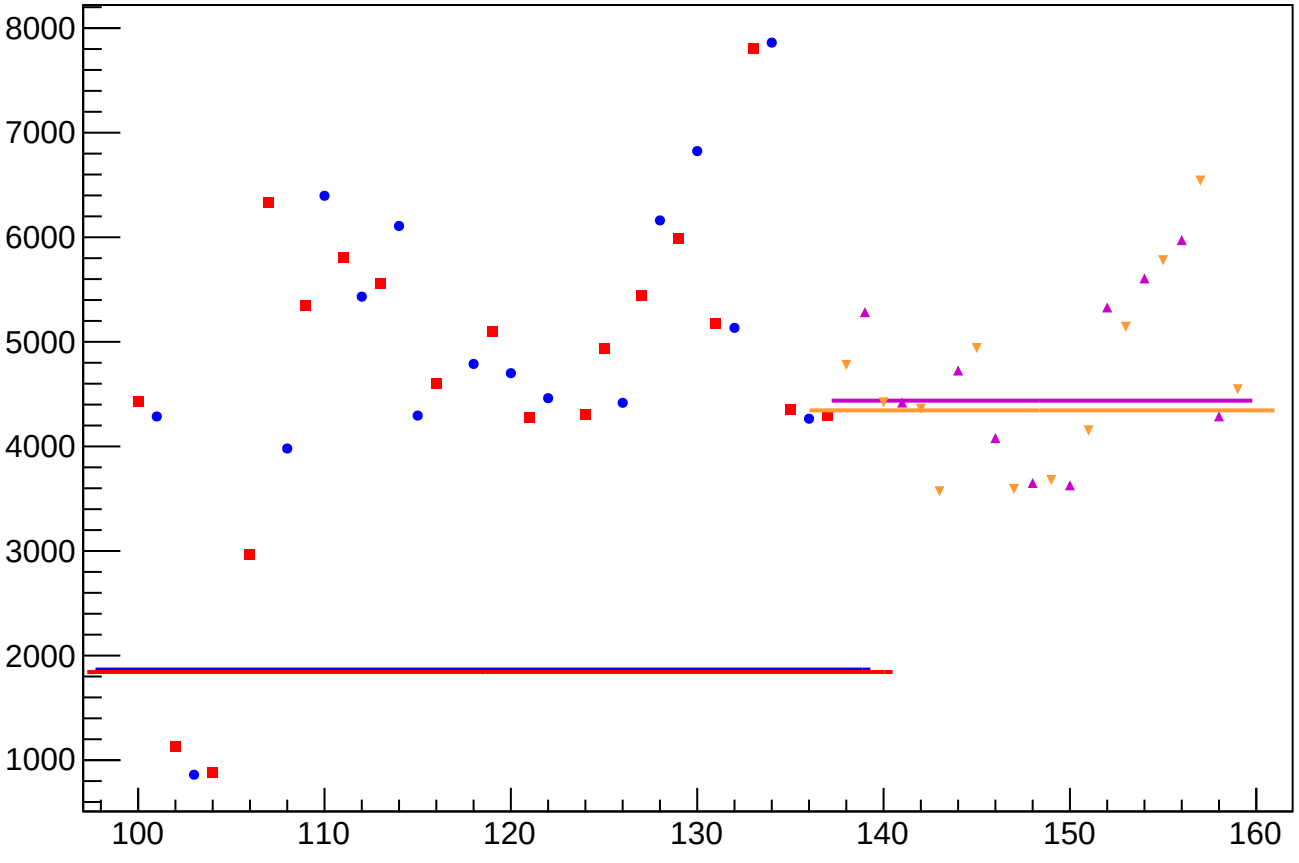
Left In: -709.929+/-1527.520 χ^2/NDF:4.8/9

+ sign -357.849+/-799.803 χ^2/NDF: 31.6/27

All: 198.846+/-567.580 χ^2/NDF: 53.1/56

- sign 763.621+/-805.586 χ^2/NDF: 20.5/28

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

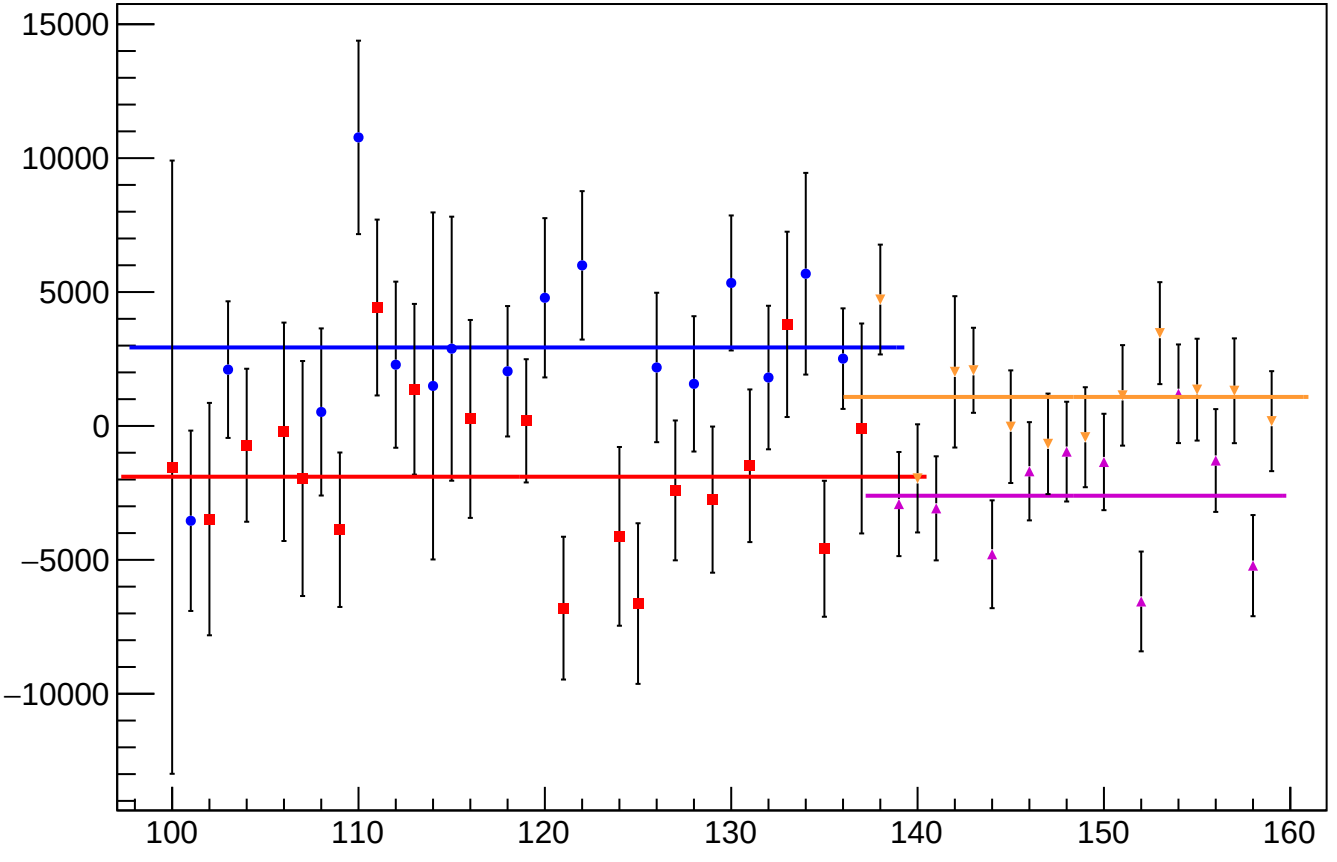
Left In: 4437.799+/-1.080 χ^2/NDF:465135.6/9

+ sign 2634.698+/-0.566 χ^2/NDF: 11528067.0/27

All: 2599.906+/-0.401 χ^2/NDF: 22625683.7/5

- sign 2564.610+/-0.570 χ^2/NDF: 11089992.8/28

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

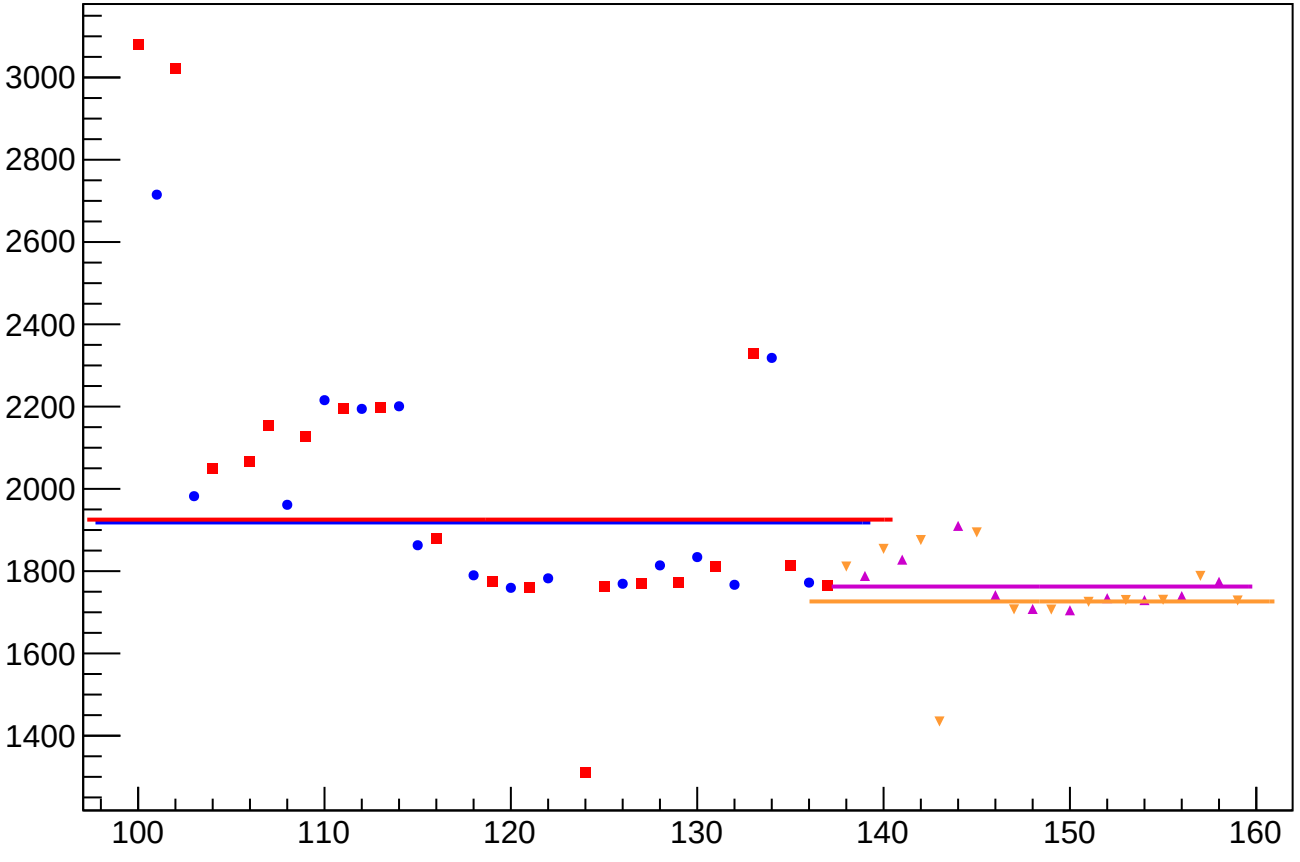
Left In: -2605.577+/-597.069 χ^2/NDF:13.9/9

+ sign 1782.524+/-441.740 χ^2/NDF: 26.7/27

All: -183.865+/-318.653 χ^2/NDF: 99.8/56

- sign -2317.172+/-460.107 χ^2/NDF: 31.9/28

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

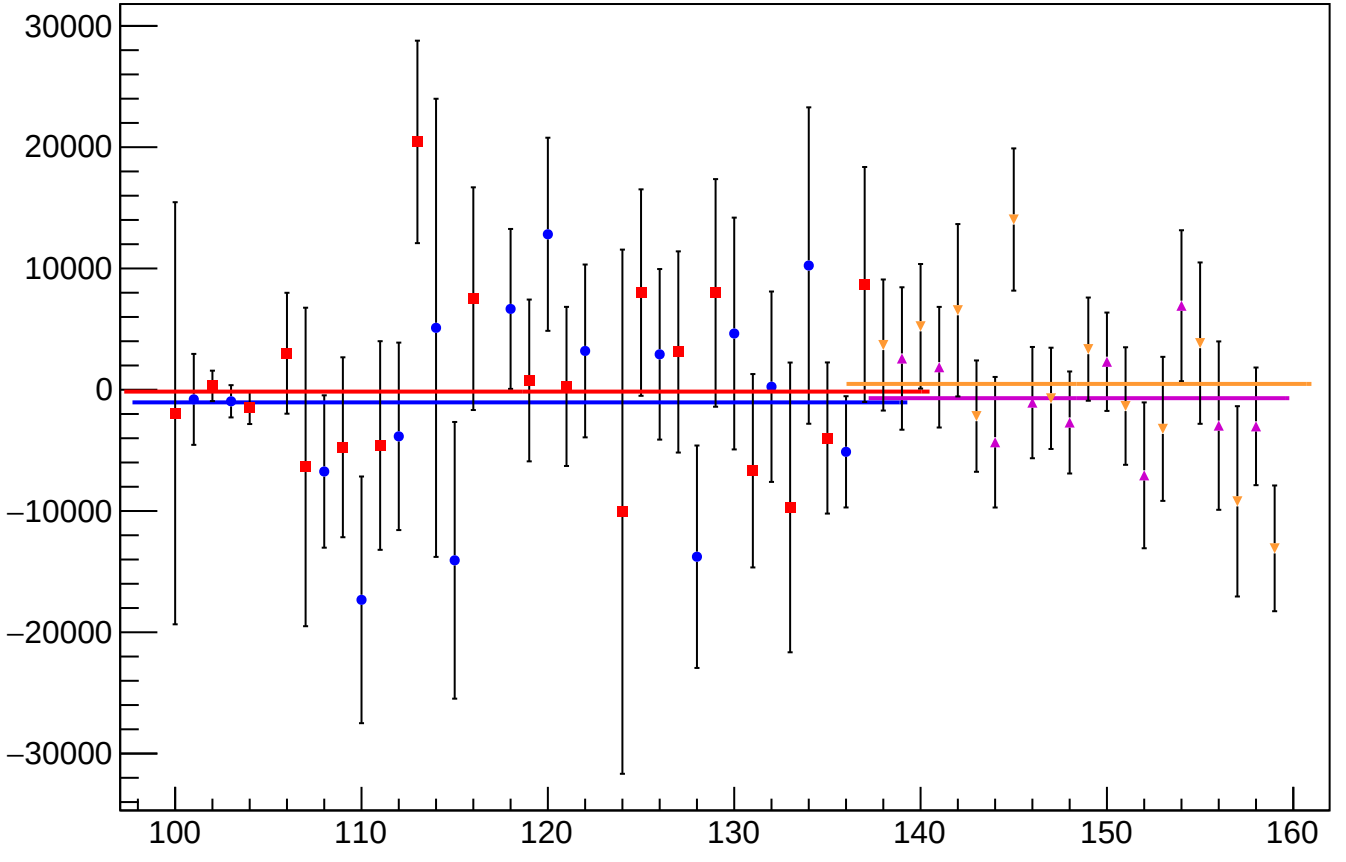
Left In: 1762.575+/-0.422 χ^2/NDF:18843.9/9

+ sign 1798.973+/-0.312 χ^2/NDF: 404194.9/27

All: 1813.244+/-0.225 χ^2/NDF: 826851.0/56

- sign 1828.716+/-0.325 χ^2/NDF: 418305.5/28

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

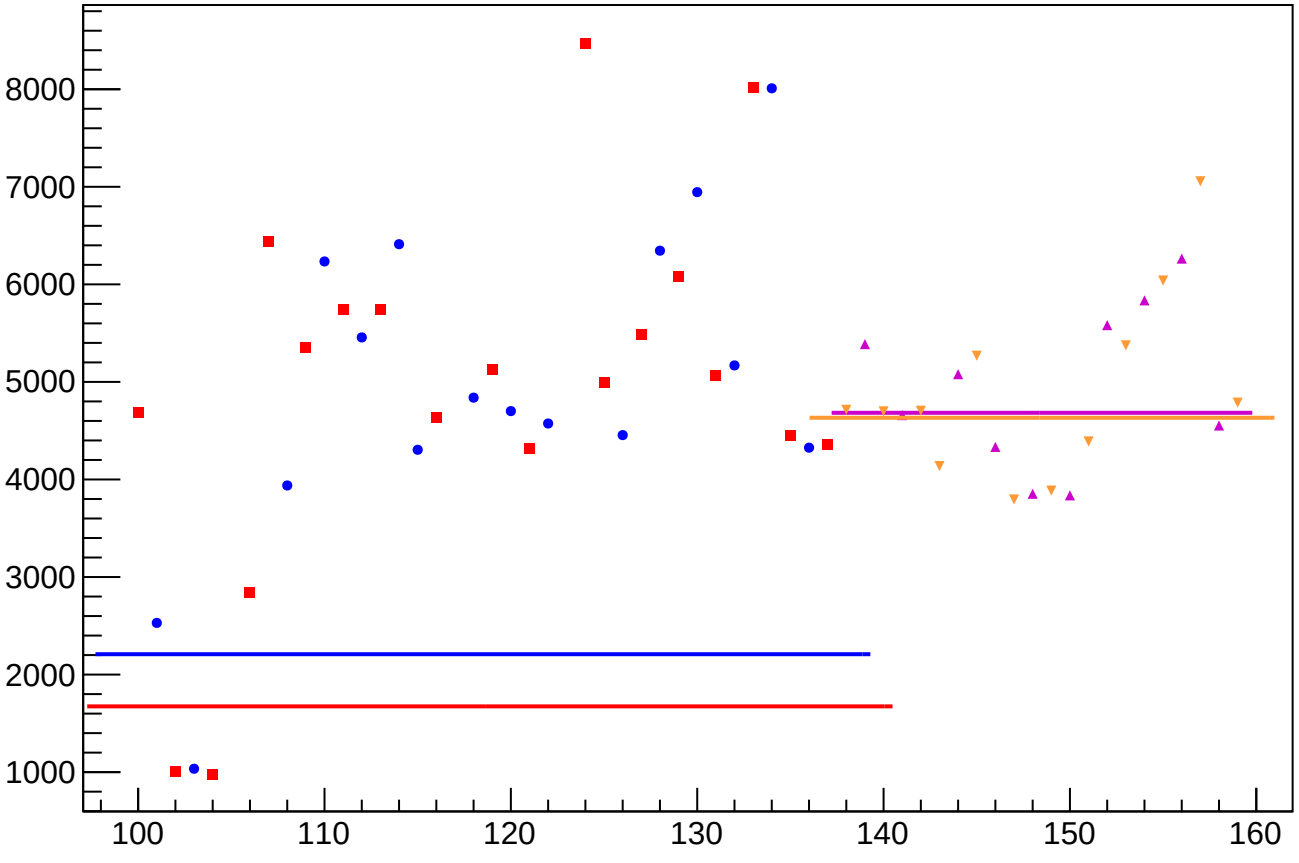
Left In: -696.338+/-1610.681 χ^2/NDF:4.8/9

+ sign -539.908+/-877.888 χ^2/NDF: 31.8/27

All: -381.684+/-566.591 χ^2/NDF: 50.5/56

- sign -268.723+/-741.765 χ^2/NDF: 18.6/28

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

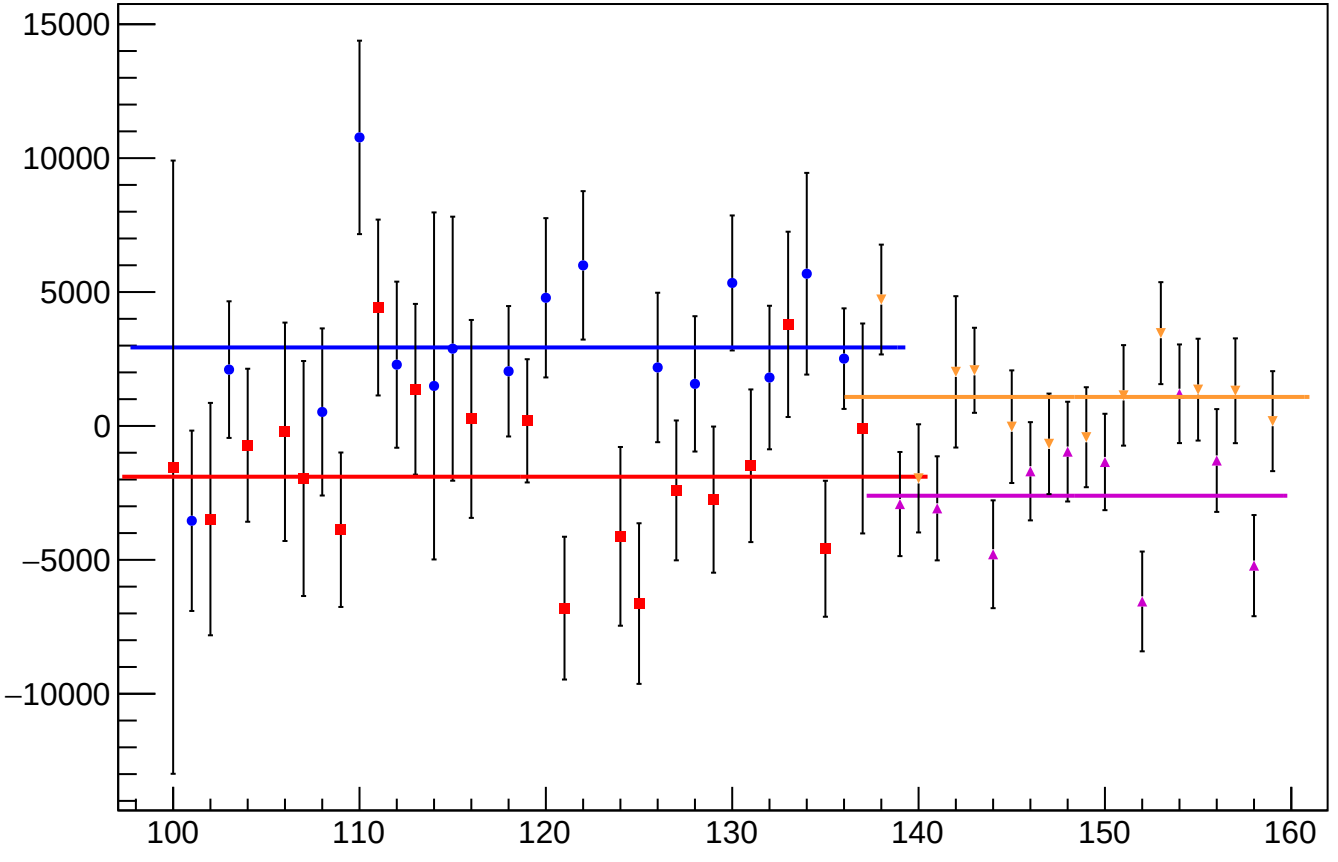
Left In: 4683.553+/-1.139 χ^2/NDF:434464.5/9

+ sign 3008.461+/-0.621 χ^2/NDF: 9377449.9/27

All: 2602.349+/-0.401 χ^2/NDF: 22899751.2/5

- sign 2312.415+/-0.525 χ^2/NDF: 12788740.9/28

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

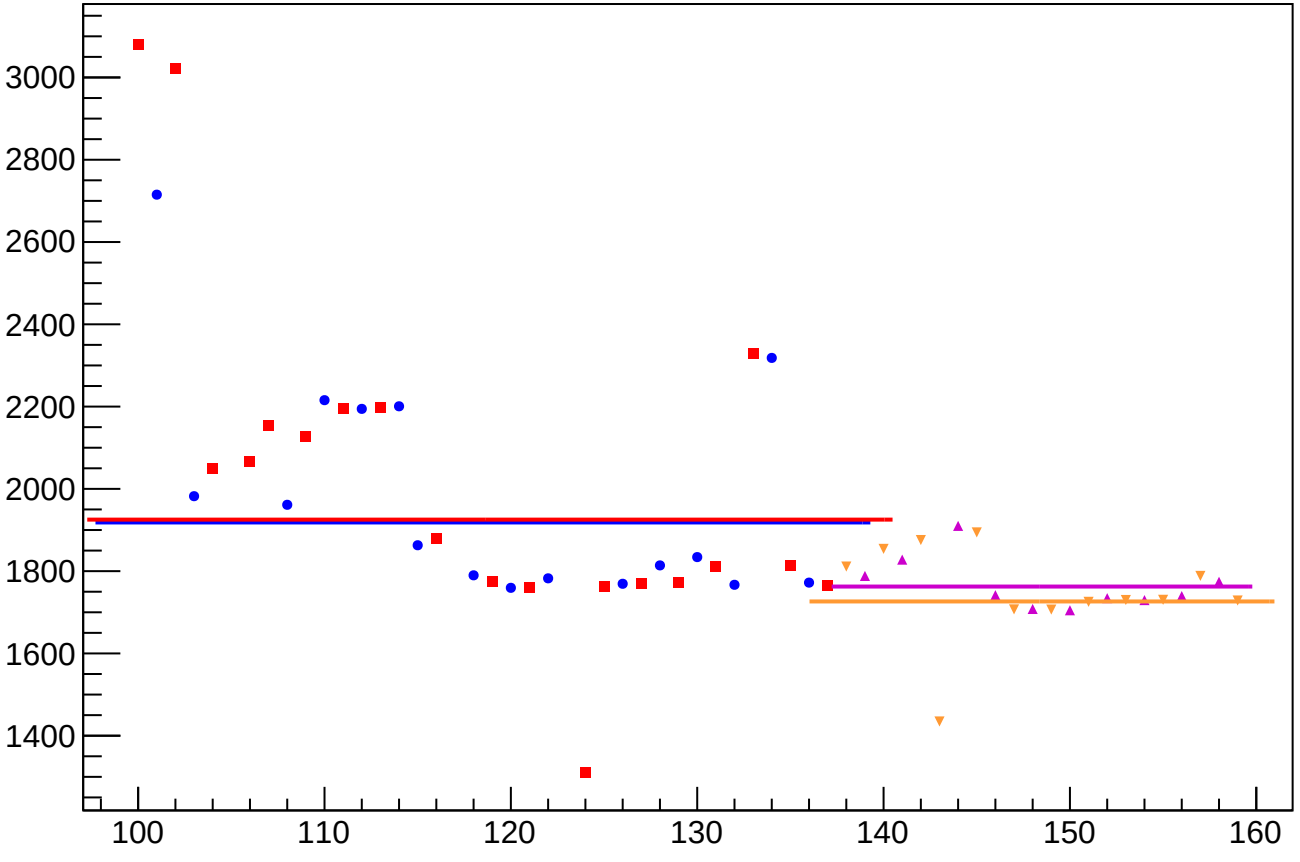
Left In: -2605.576+/-597.069 χ^2/NDF:13.9/9

+ sign 1782.521+/-441.740 χ^2/NDF: 26.7/27

All: -183.867+/-318.653 χ^2/NDF: 99.8/56

- sign -2317.173+/-460.107 χ^2/NDF: 31.9/28

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

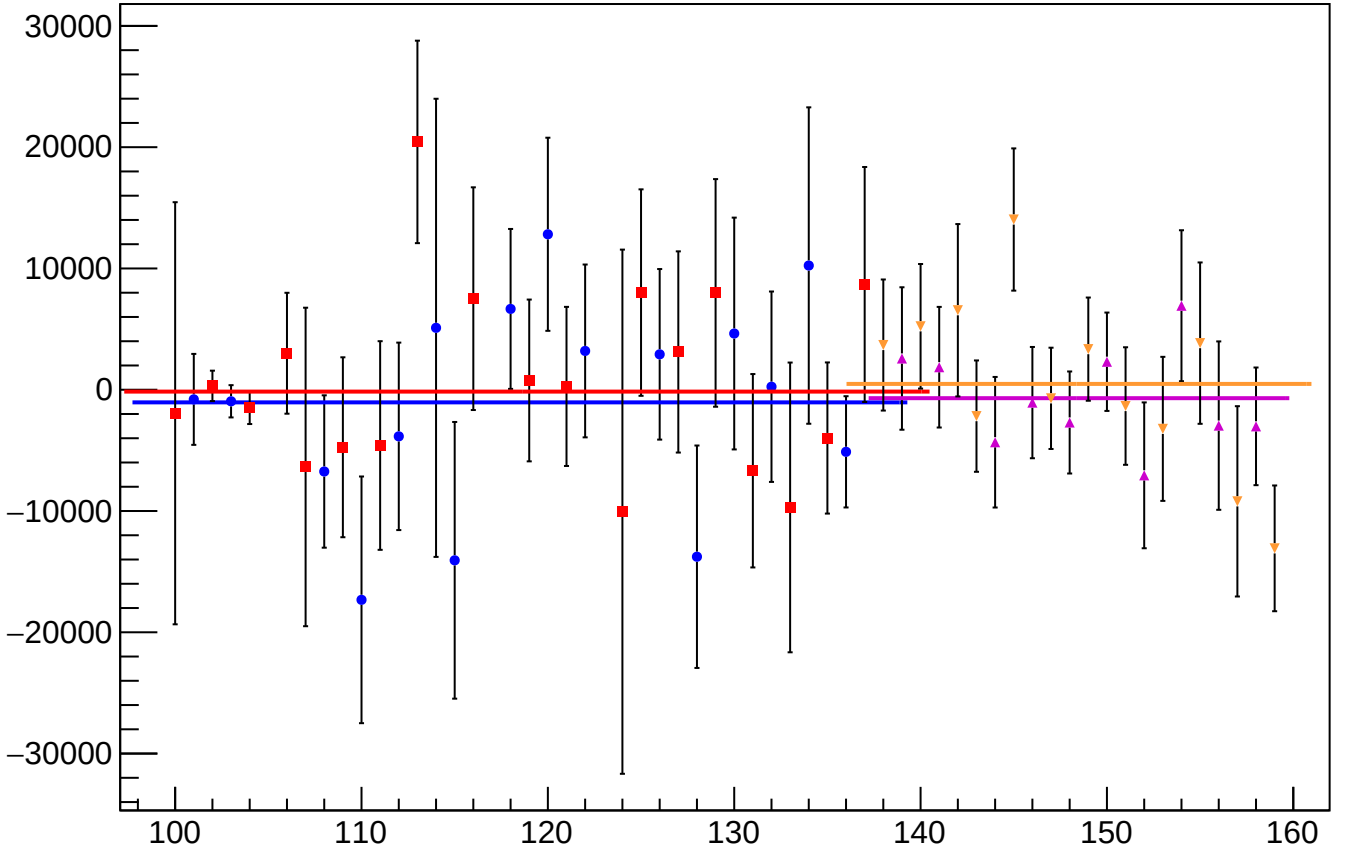
Left In: 1762.576+/-0.422 χ^2/NDF:18843.9/9

+ sign 1798.973+/-0.312 χ^2/NDF: 404192.6/27

All: 1813.244+/-0.225 χ^2/NDF: 826846.6/56

- sign 1828.716+/-0.325 χ^2/NDF: 418303.6/28

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



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

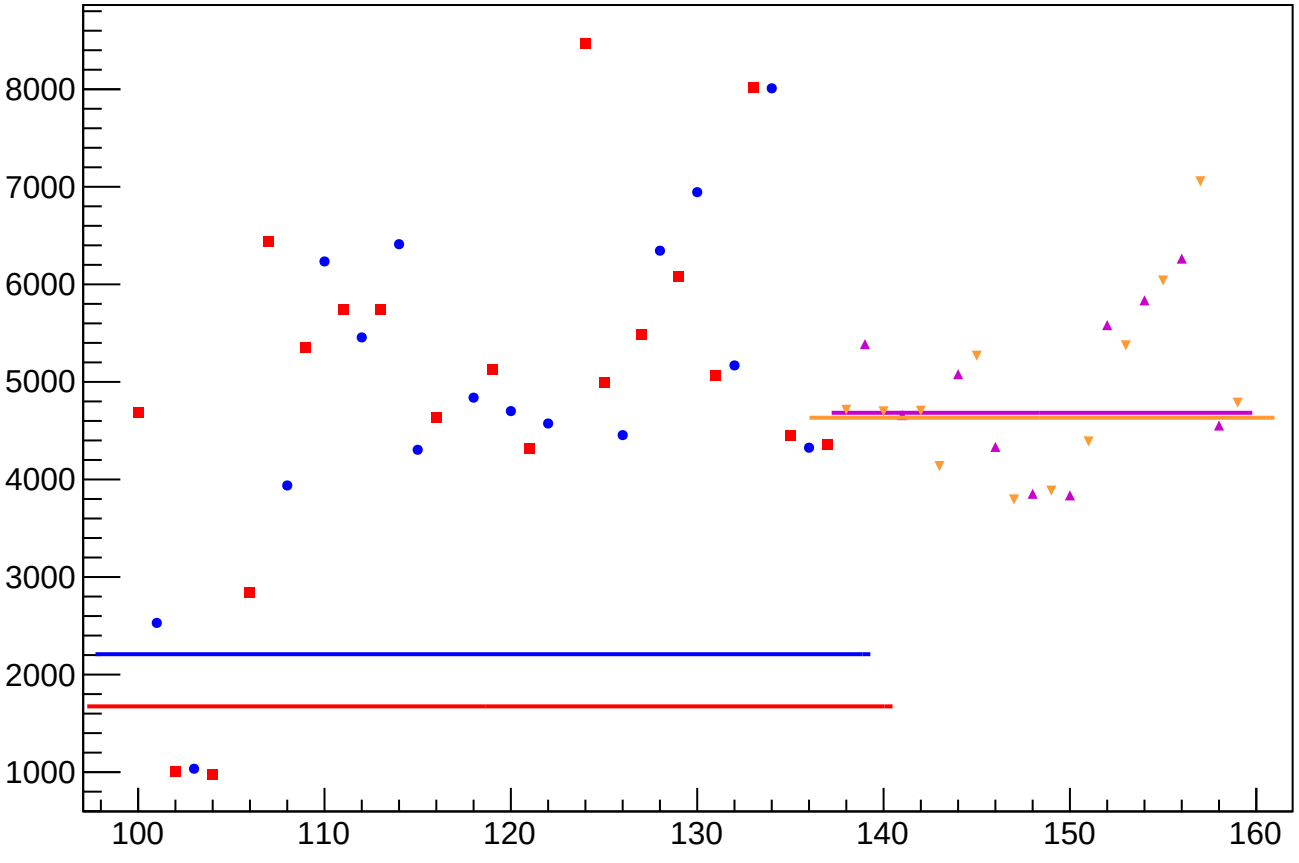
Left In: -696.336+/-1610.683 χ^2/NDF:4.8/9

+ sign -539.910+/-877.888 χ^2/NDF: 31.8/27

All: -381.682+/-566.591 χ^2/NDF: 50.5/56

- sign -268.718+/-741.765 χ^2/NDF: 18.6/28

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

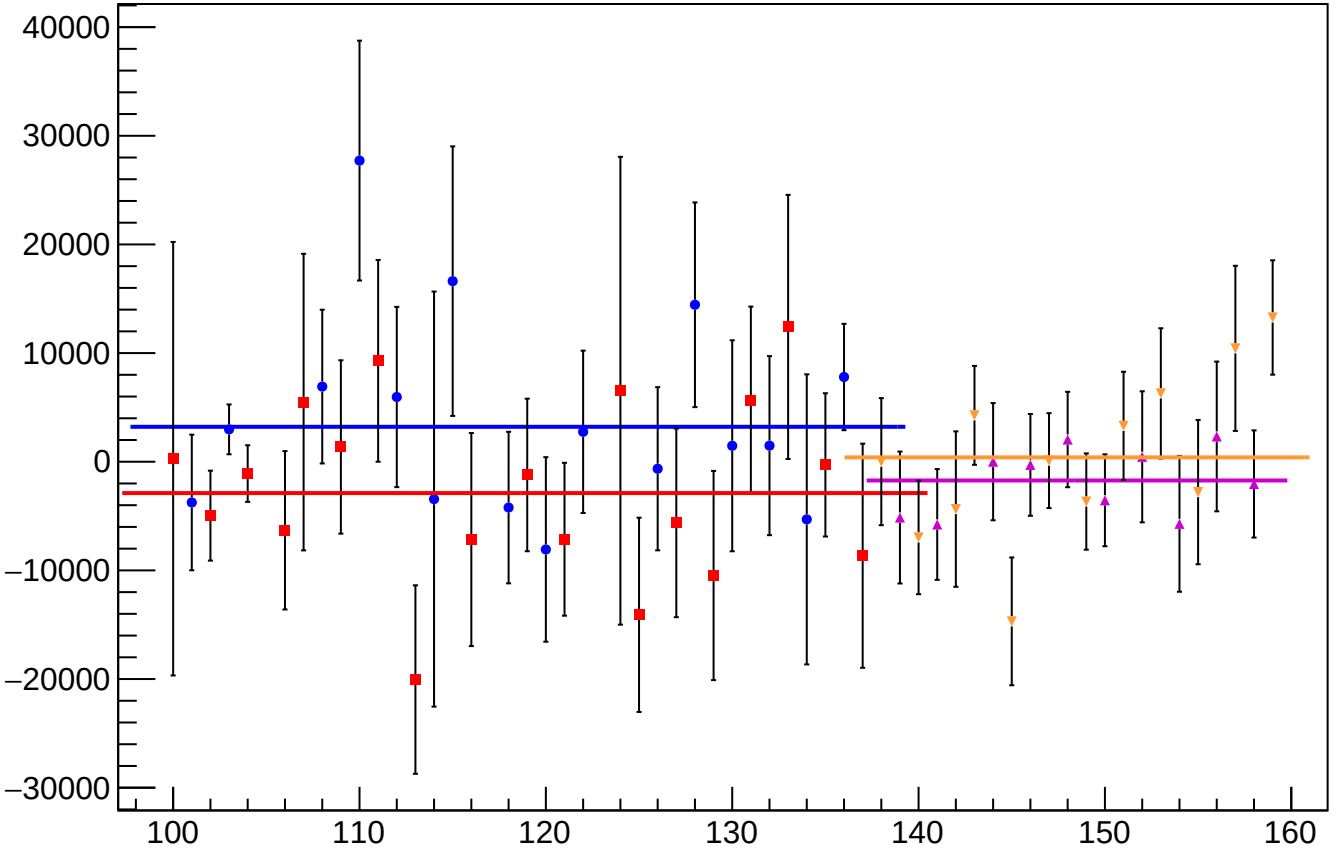
Left In: 4683.560+/-1.139 χ^2/NDF:434461.9/9

+ sign 3008.461+/-0.621 χ^2/NDF: 9377457.3/27

All: 2602.349+/-0.401 χ^2/NDF: 22899763.5/5

- sign 2312.414+/-0.525 χ^2/NDF: 12788745.3/28

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

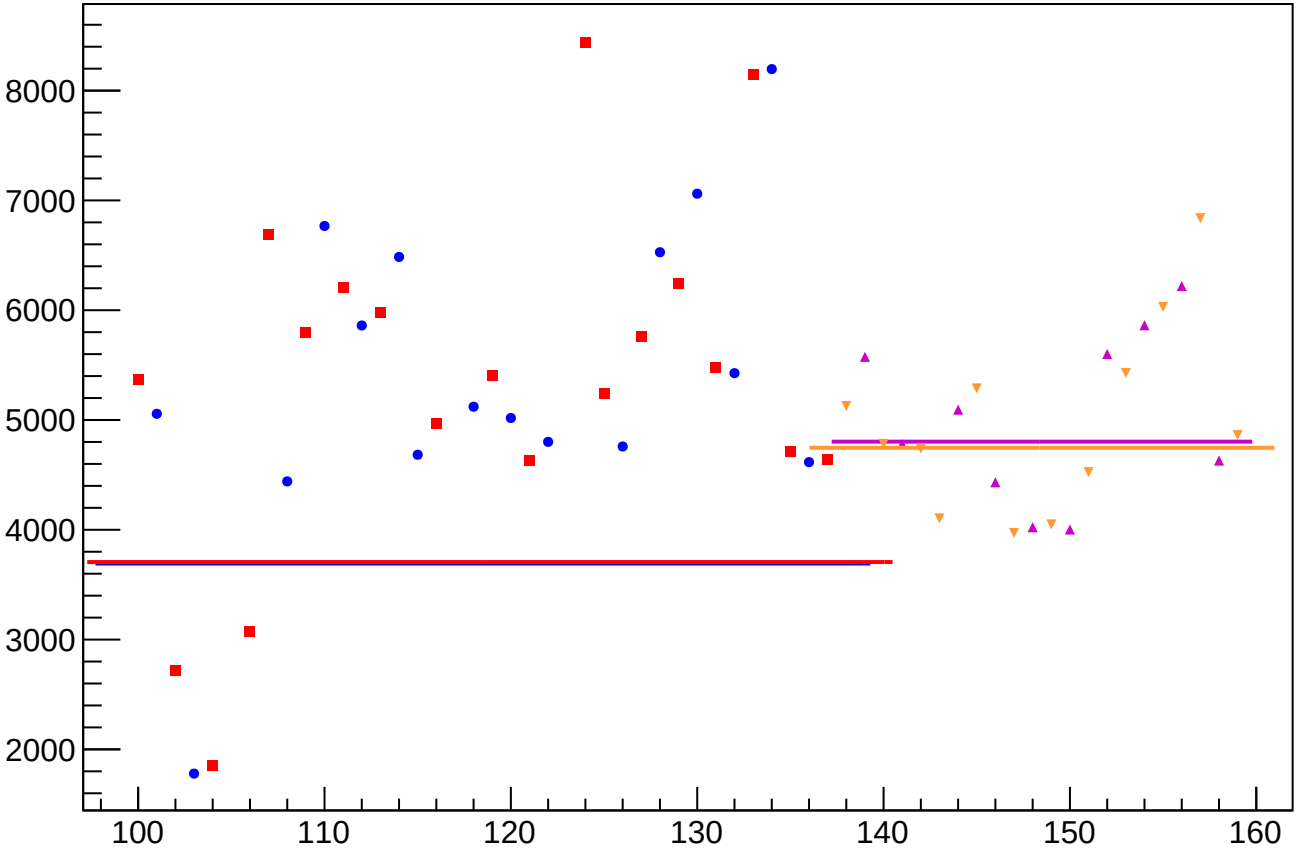
Left In: -1724.303+/-1647.093 χ^2/NDF:3.0/9

+ sign 1828.979+/-1096.147 χ^2/NDF: 35.3/27

All: -192.014+/-786.653 χ^2/NDF: 58.9/56

- sign -2338.236+/-1129.598 χ^2/NDF: 16.6/28

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

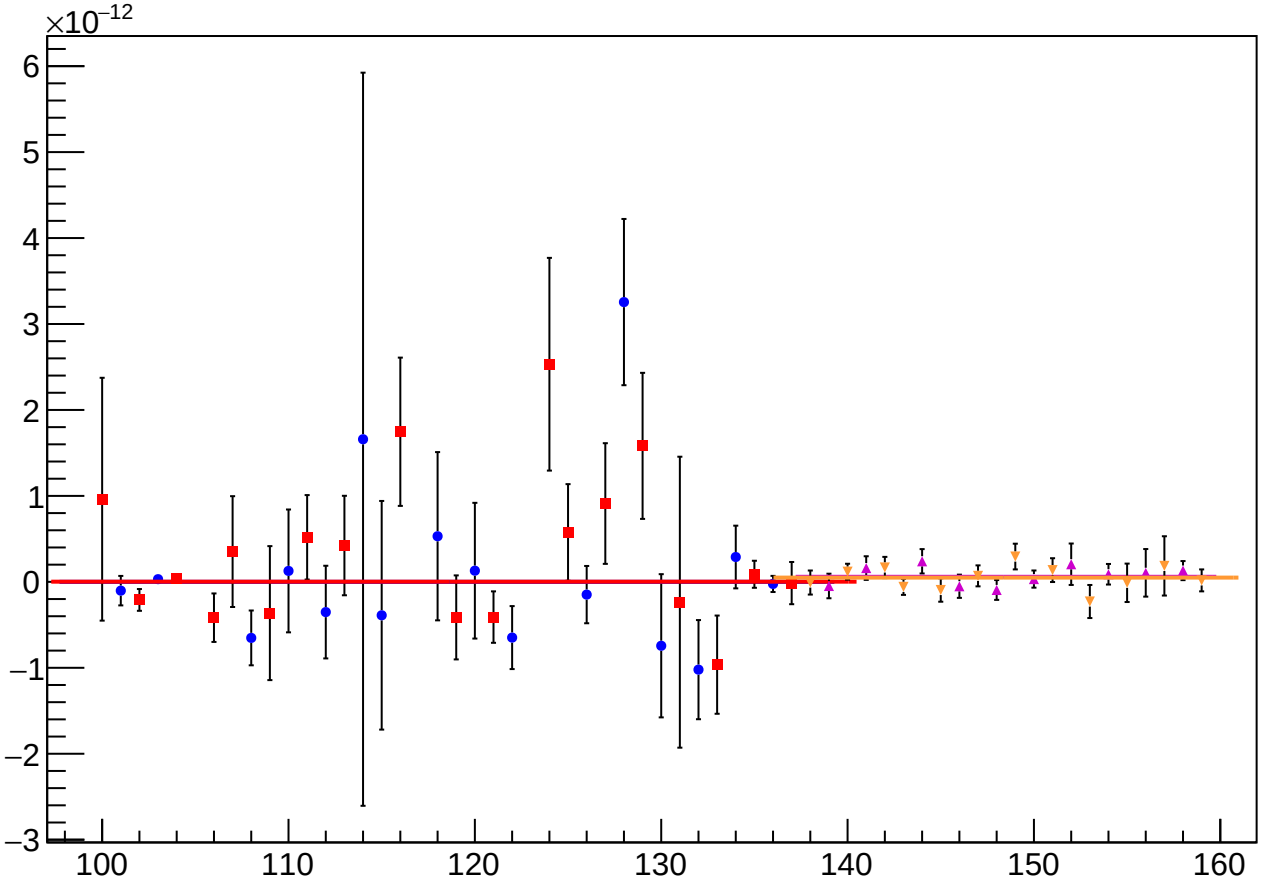
Left In: 4802.673+/-1.165 χ^2/NDF:365023.8/9

+ sign 4212.460+/-0.775 χ^2/NDF: 3783197.3/27

All: 4214.369+/-0.555 χ^2/NDF: 7306738.9/56

- sign 4216.374+/-0.794 χ^2/NDF: 3523529.2/28

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

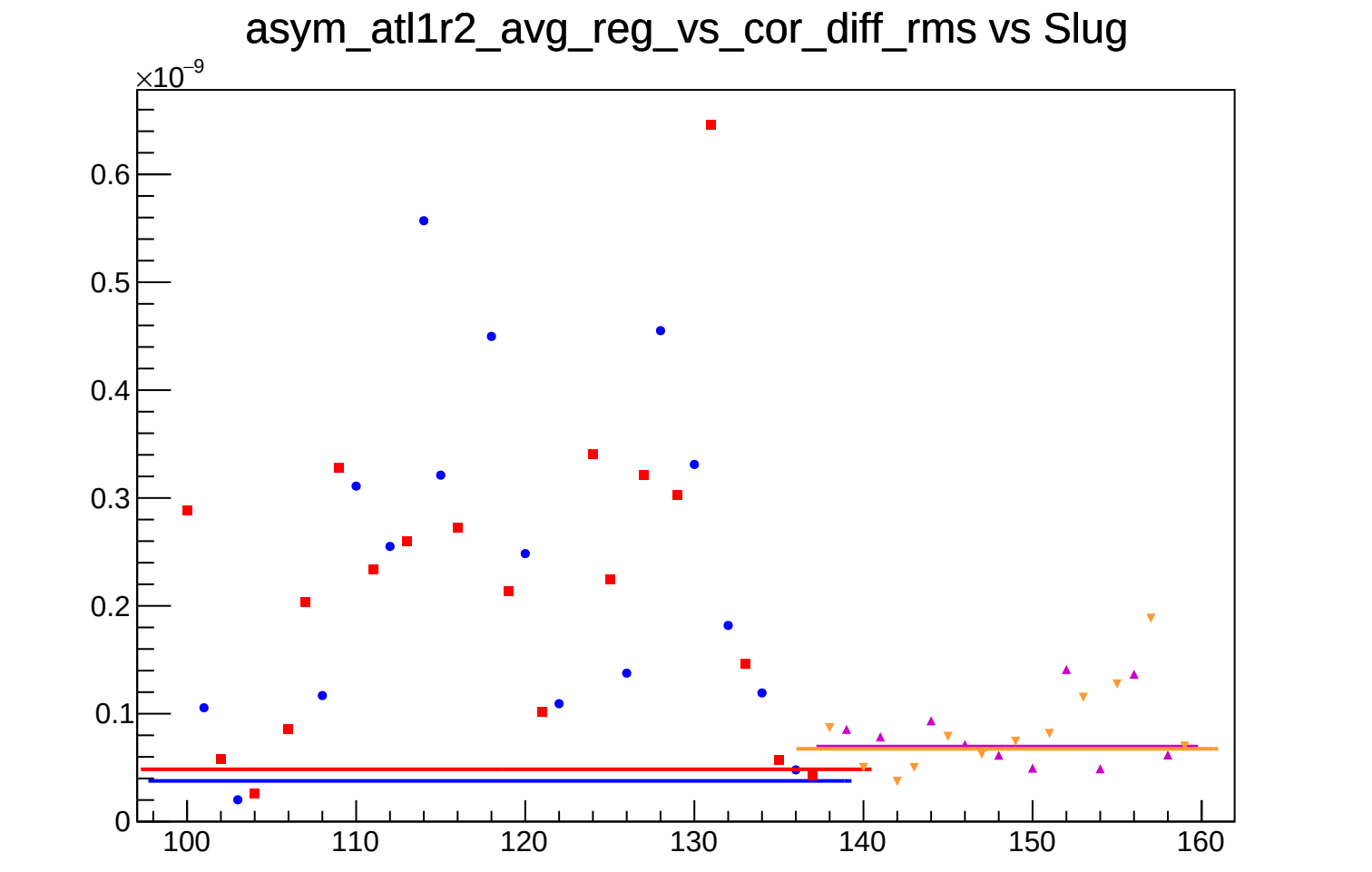
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

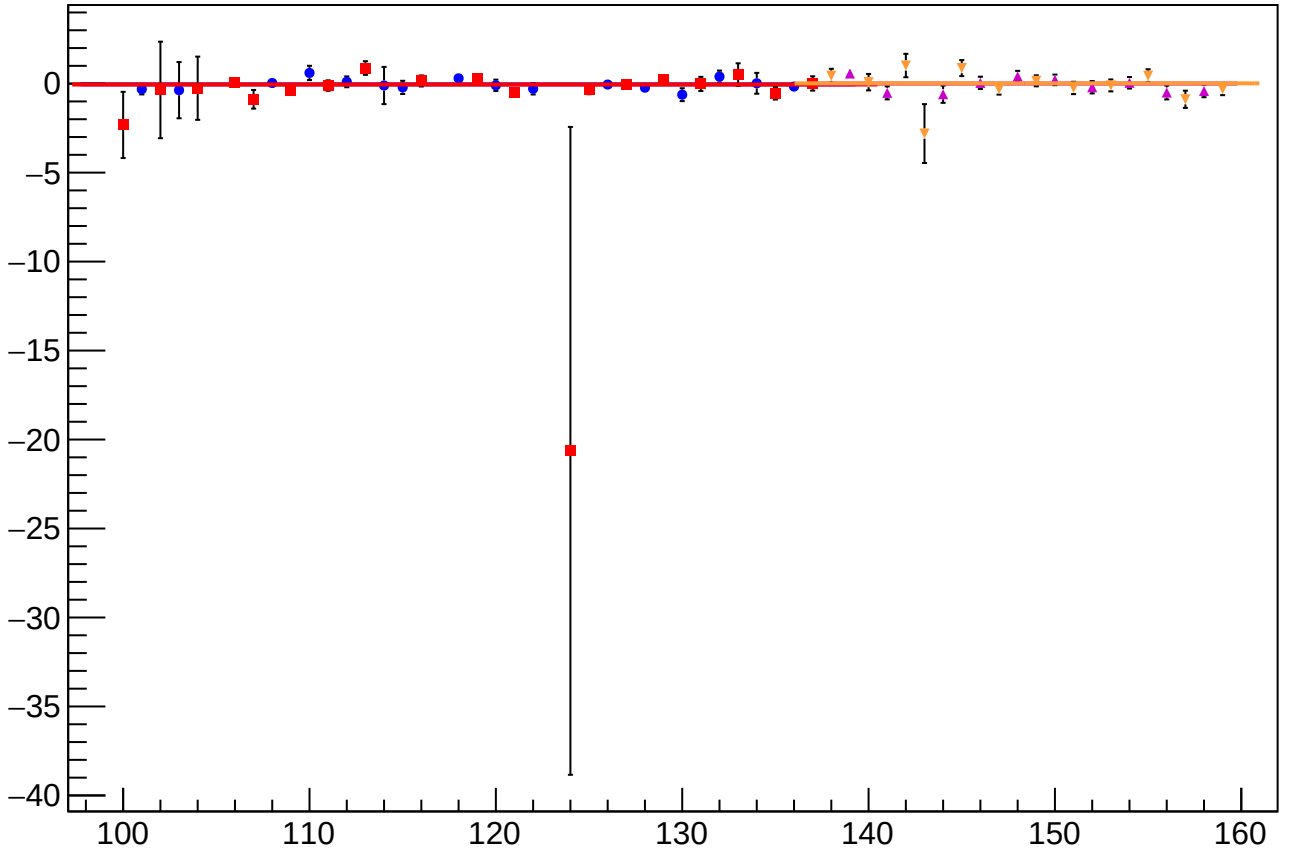
+ sign 0.000+/-0.000 χ^2/NDF: 35.9/27

All: 0.000+/-0.000 χ^2/NDF: 71.1/56

- sign 0.000+/-0.000 χ^2/NDF: 35.2/28


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:856197.7/11
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:542206.0/9
+ sign 0.000+/-0.000 χ²/NDF: 4633145.0/27
All: 0.000+/-0.000 χ²/NDF: 8380594.4/56
- sign 0.000+/-0.000 χ²/NDF: 3672025.4/28

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

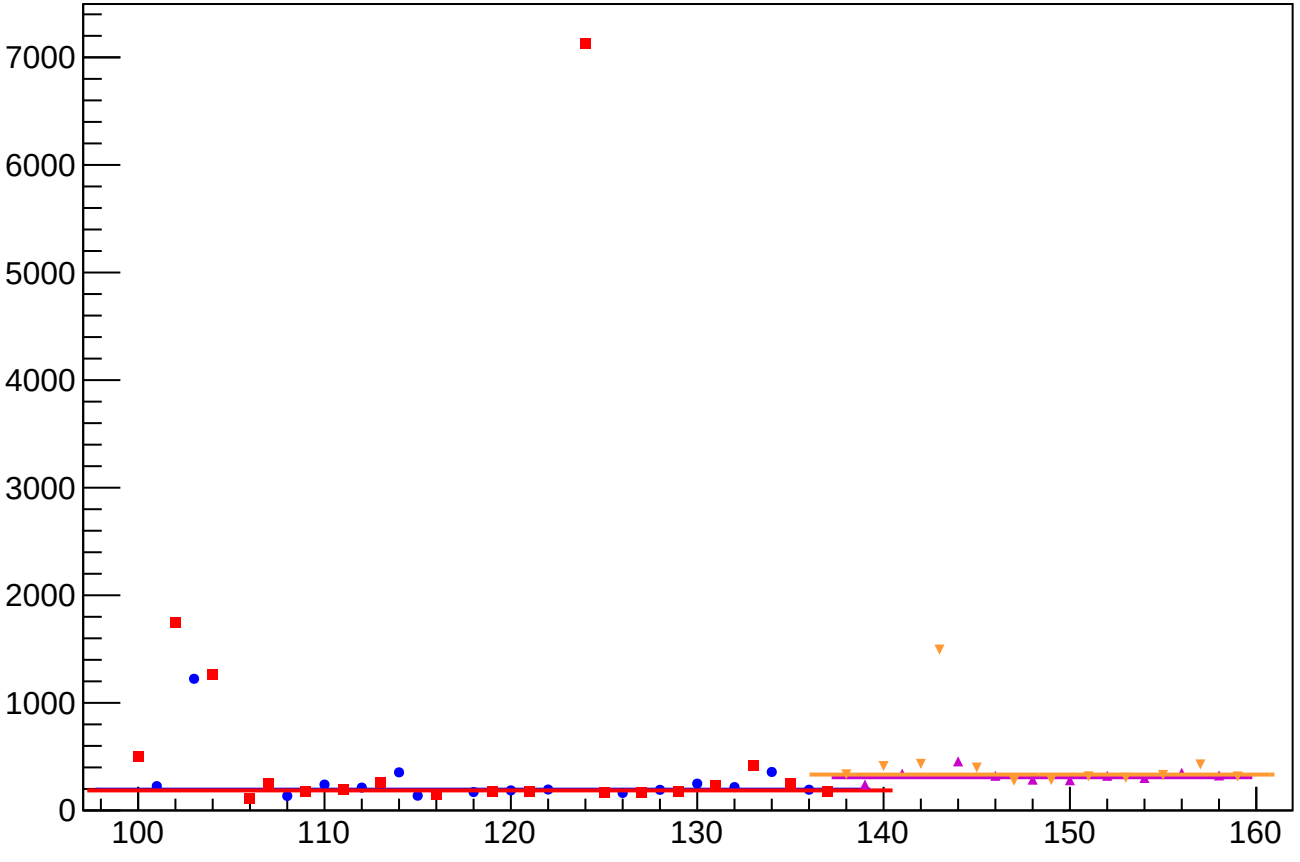
Left In: 0.004+/-0.107 χ^2/NDF:13.4/9

+ sign -0.023+/-0.064 χ^2/NDF: 29.7/27

All: -0.027+/-0.045 χ^2/NDF: 66.3/56

- sign -0.030+/-0.063 χ^2/NDF: 36.6/28

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

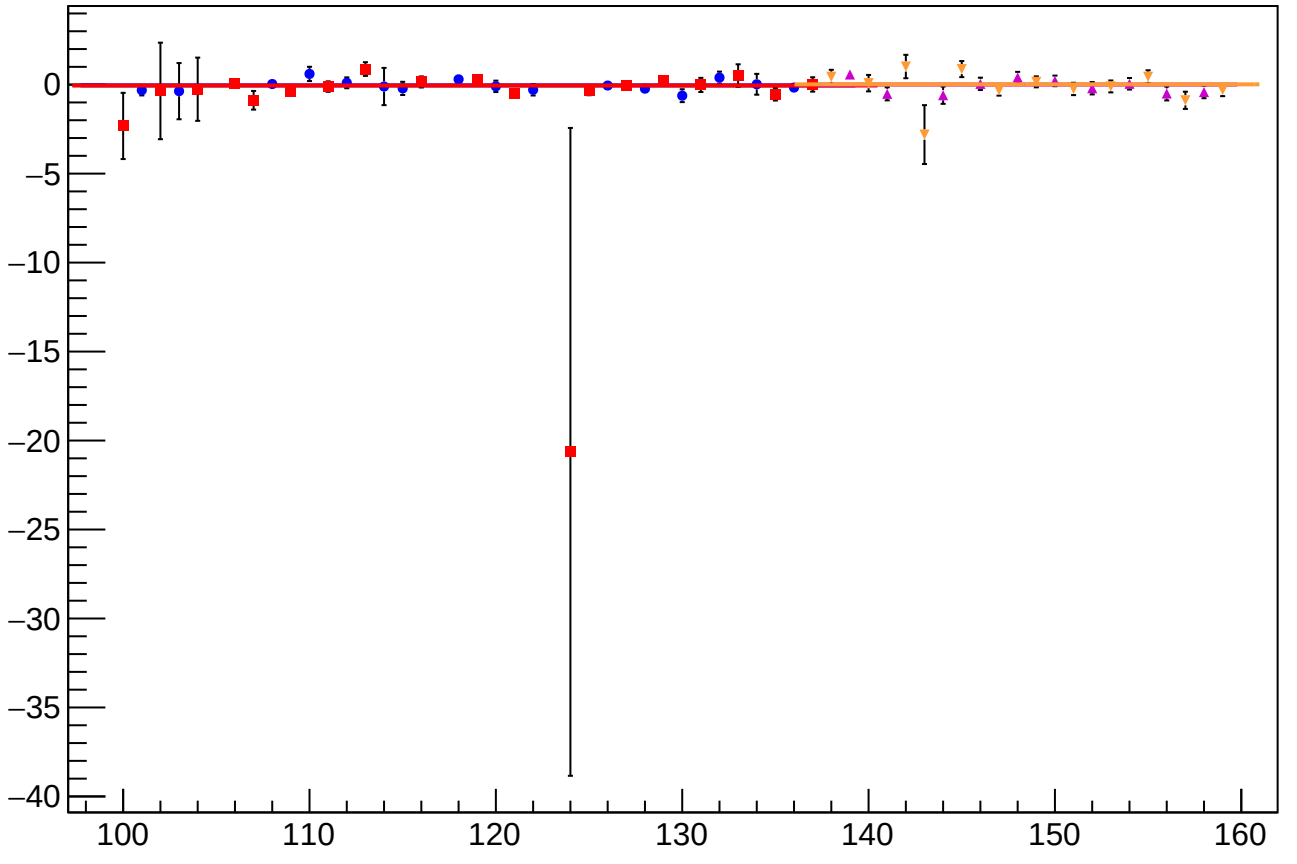
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 308.824+/-0.076 χ^2/NDF:387404.2/9

\+ sign 238.040+/-0.045 χ^2/NDF: 4849278.6/27

All: 233.680+/-0.032 χ^2/NDF: 9431764.7/56

\- sign 229.416+/-0.045 χ^2/NDF: 4564220.3/28



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.016+/-0.114 χ^2/NDF:17.8/11

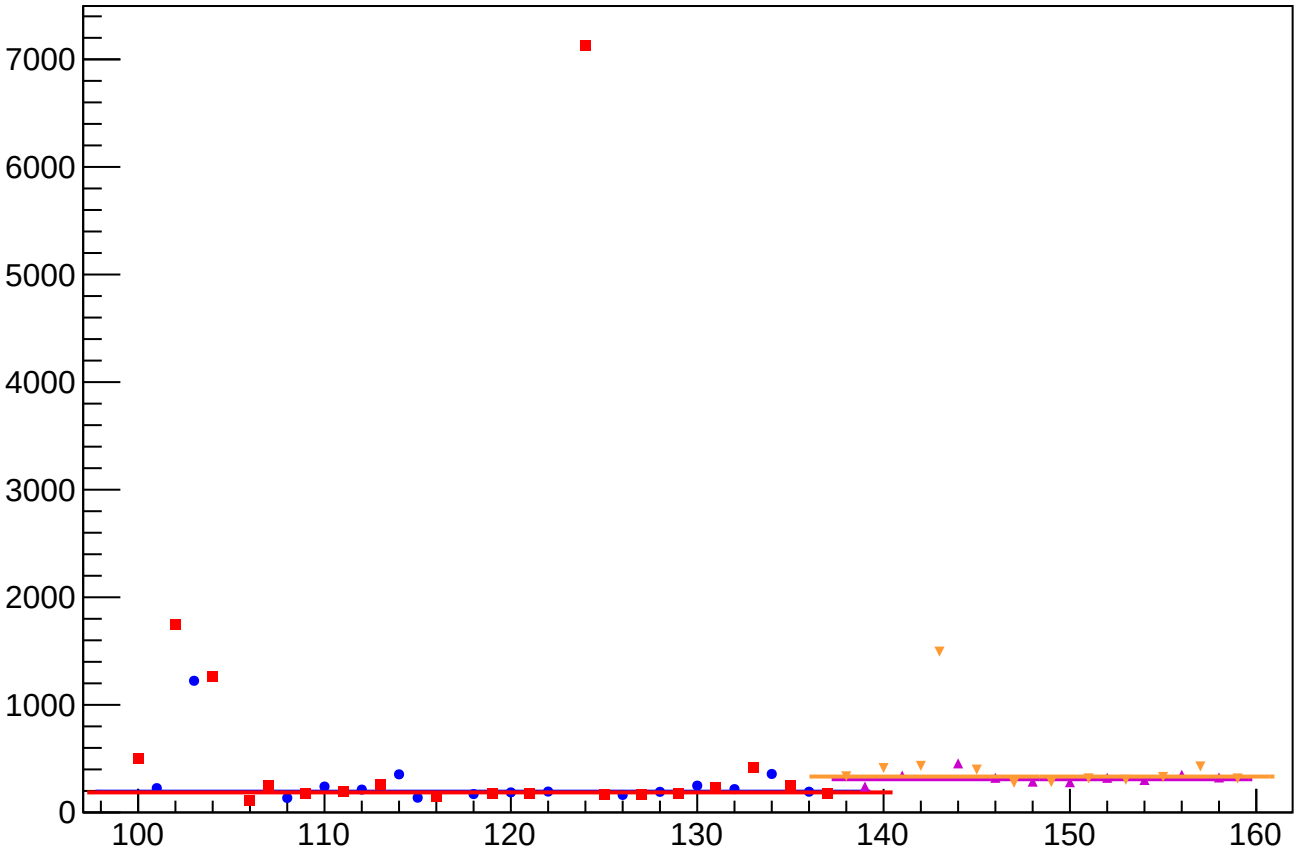
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.004+/-0.107 χ^2/NDF:13.4/9

+ sign -0.023+/-0.064 χ^2/NDF: 29.7/27

All: -0.027+/-0.045 χ^2/NDF: 66.3/56

- sign -0.030+/-0.063 χ^2/NDF: 36.6/28



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 333.647+/-0.080 χ^2/NDF:1360515.5/11

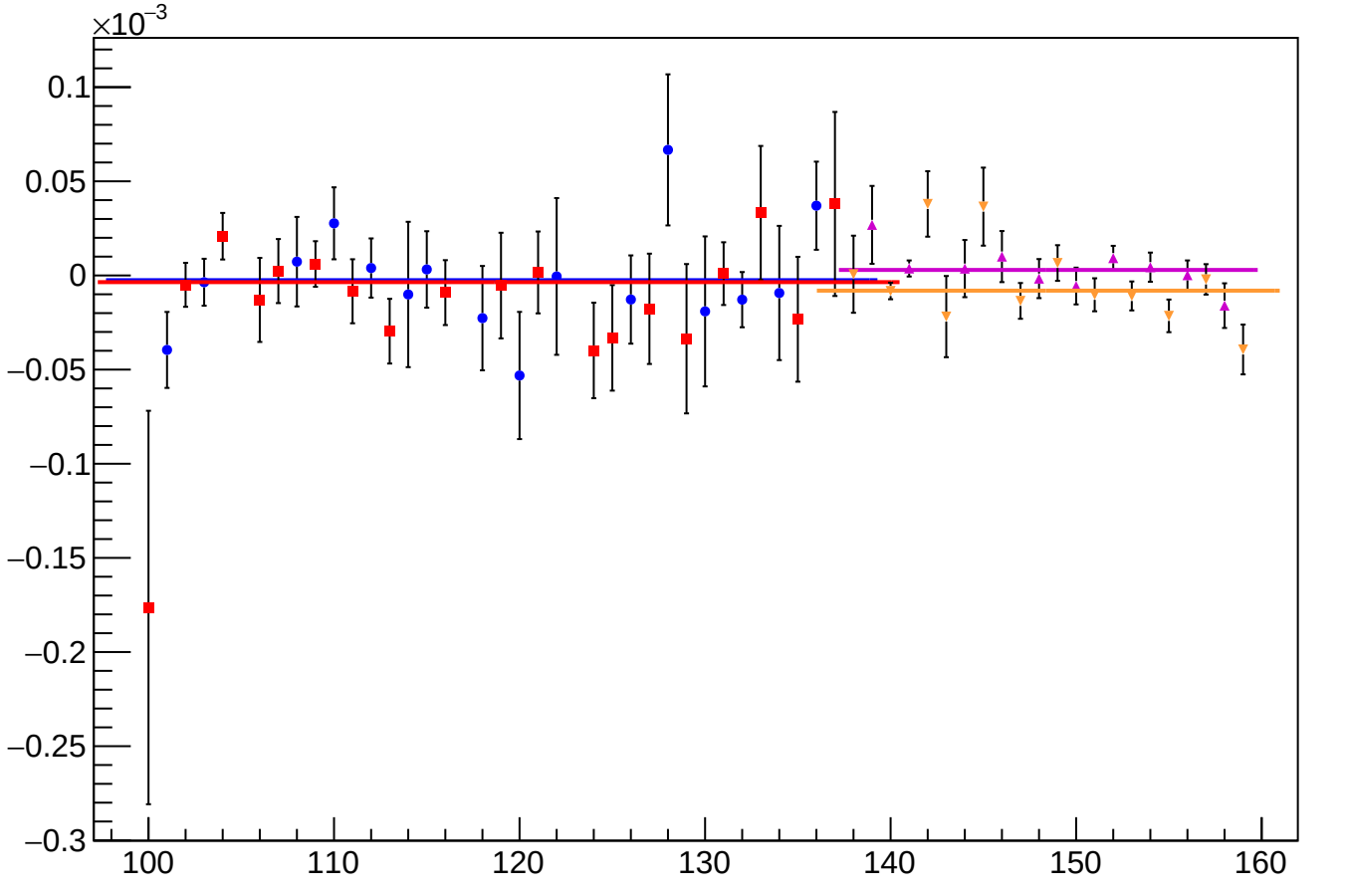
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 308.824+/-0.076 χ^2/NDF:387404.2/9

+ sign 238.040+/-0.045 χ^2/NDF: 4849278.6/27

All: 233.680+/-0.032 χ^2/NDF: 9431764.7/56

- sign 229.416+/-0.045 χ^2/NDF: 4564220.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/11

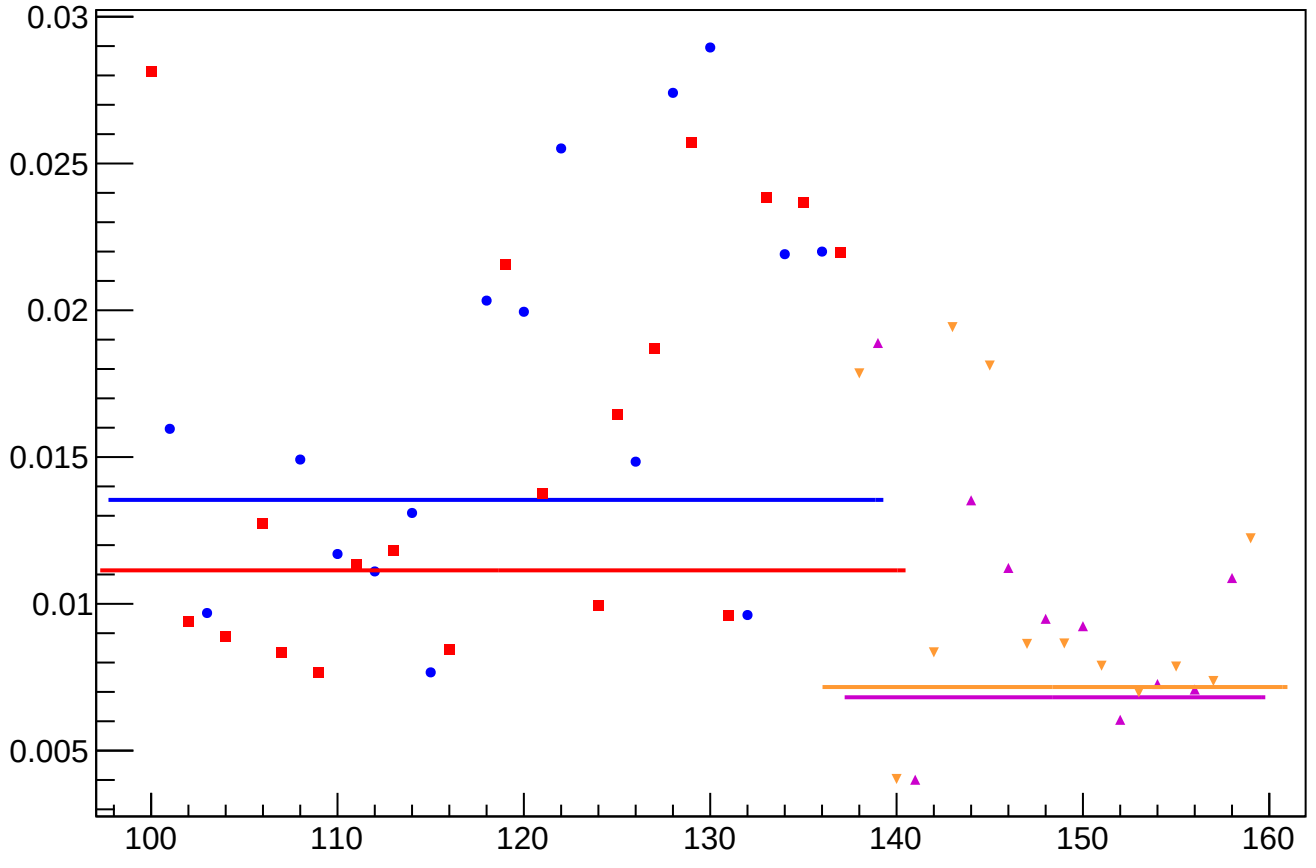
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/27

All: -0.000+/-0.000 χ^2/NDF: 71.2/56

- sign 0.000+/-0.000 χ^2/NDF: 24.1/28



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

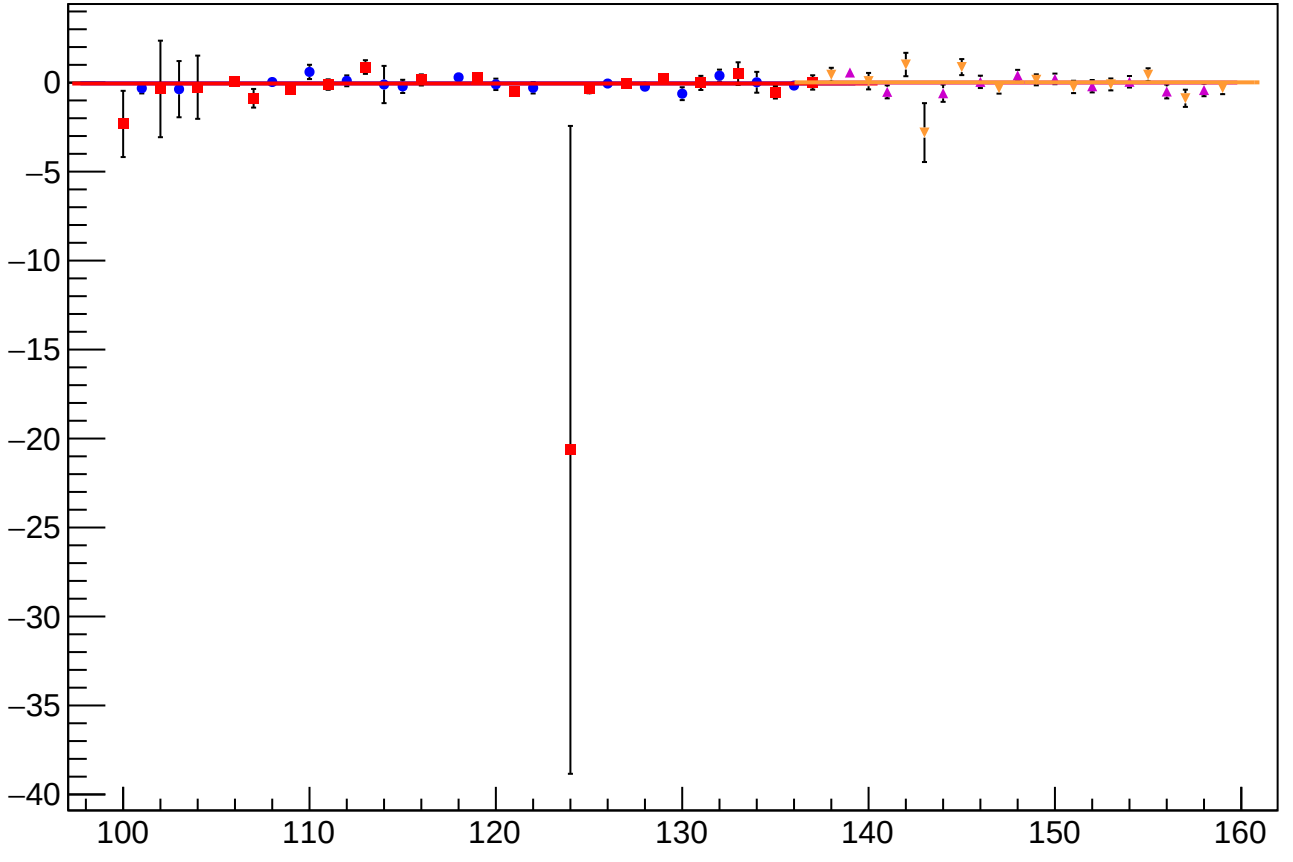
Left In: 0.007+/-0.000 χ^2/NDF:2676875.3/9

+ sign 0.008+/-0.000 χ^2/NDF: 7299353.1/27

All: 0.008+/-0.000 χ^2/NDF: 13308850.5/56

- sign 0.008+/-0.000 χ^2/NDF: 5971709.9/28

asym_atl1r2_avg_eigen_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

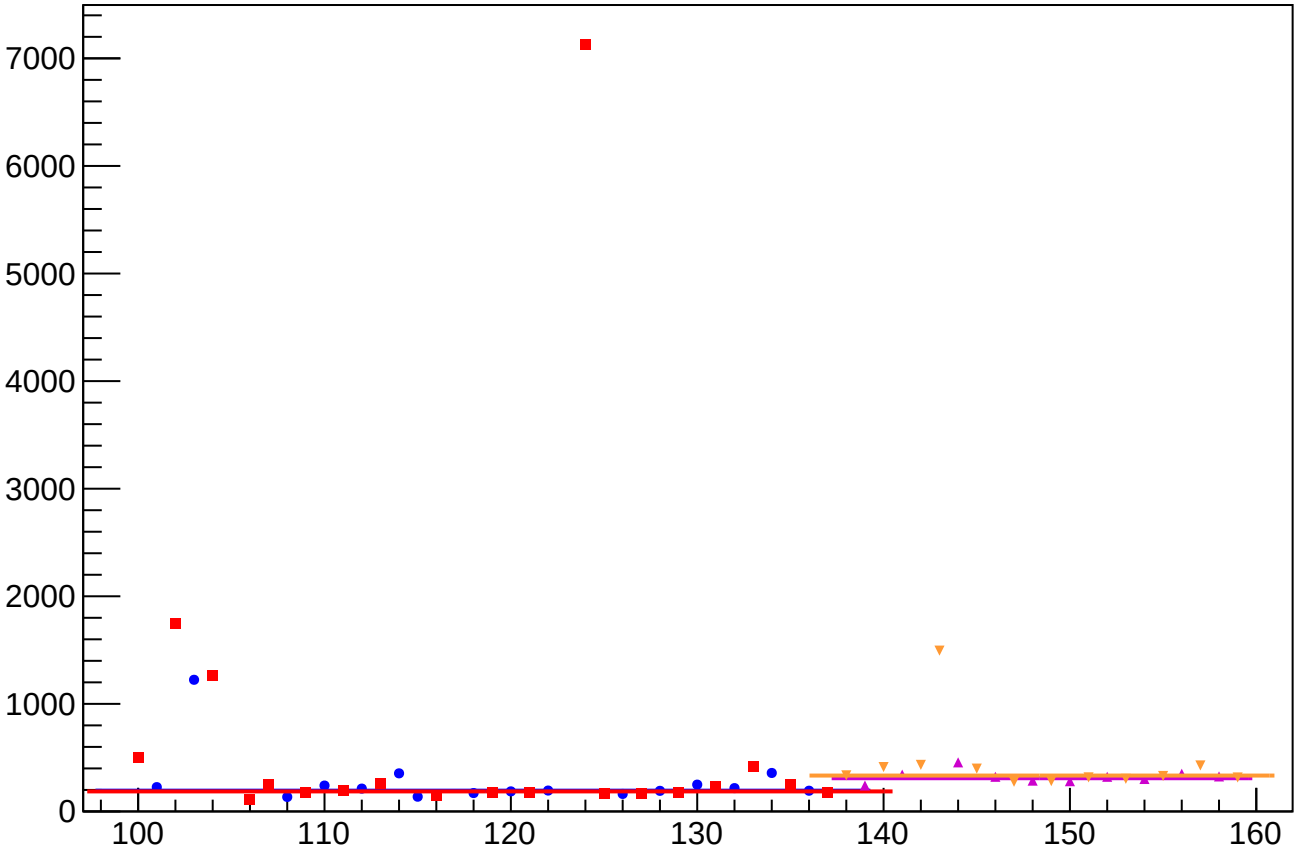
Left In: 0.004+/-0.107 χ^2/NDF:13.4/9

+ sign -0.023+/-0.064 χ^2/NDF: 29.7/27

All: -0.027+/-0.045 χ^2/NDF: 66.3/56

- sign -0.030+/-0.063 χ^2/NDF: 36.6/28

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 333.652+/-0.080 χ^2/NDF:1360484.9/11

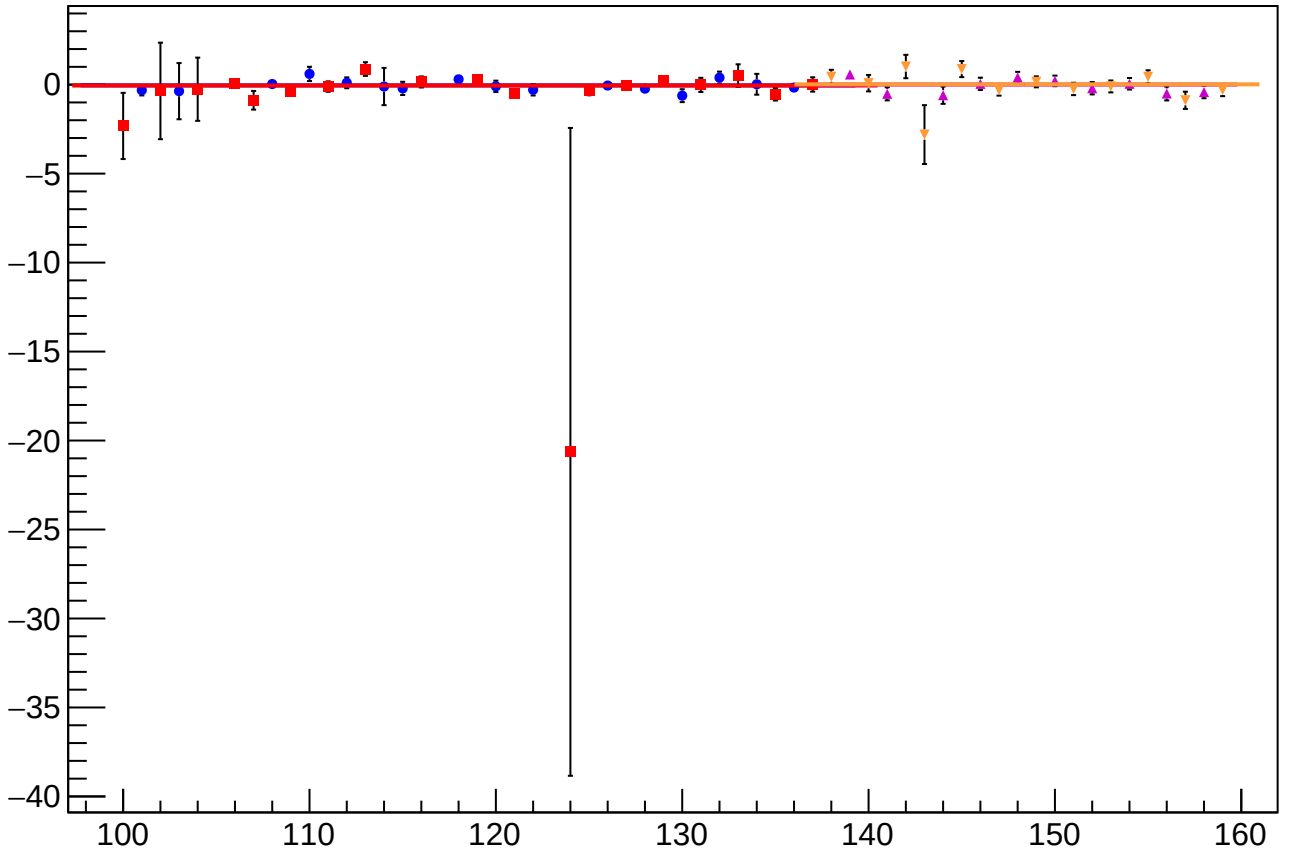
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 308.829+/-0.076 χ^2/NDF:387382.1/9

+ sign 238.039+/-0.045 χ^2/NDF: 4849384.2/27

All: 233.679+/-0.032 χ^2/NDF: 9432041.0/56

- sign 229.415+/-0.045 χ^2/NDF: 4564389.4/28



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.016+/-0.114 χ^2/NDF:17.8/11

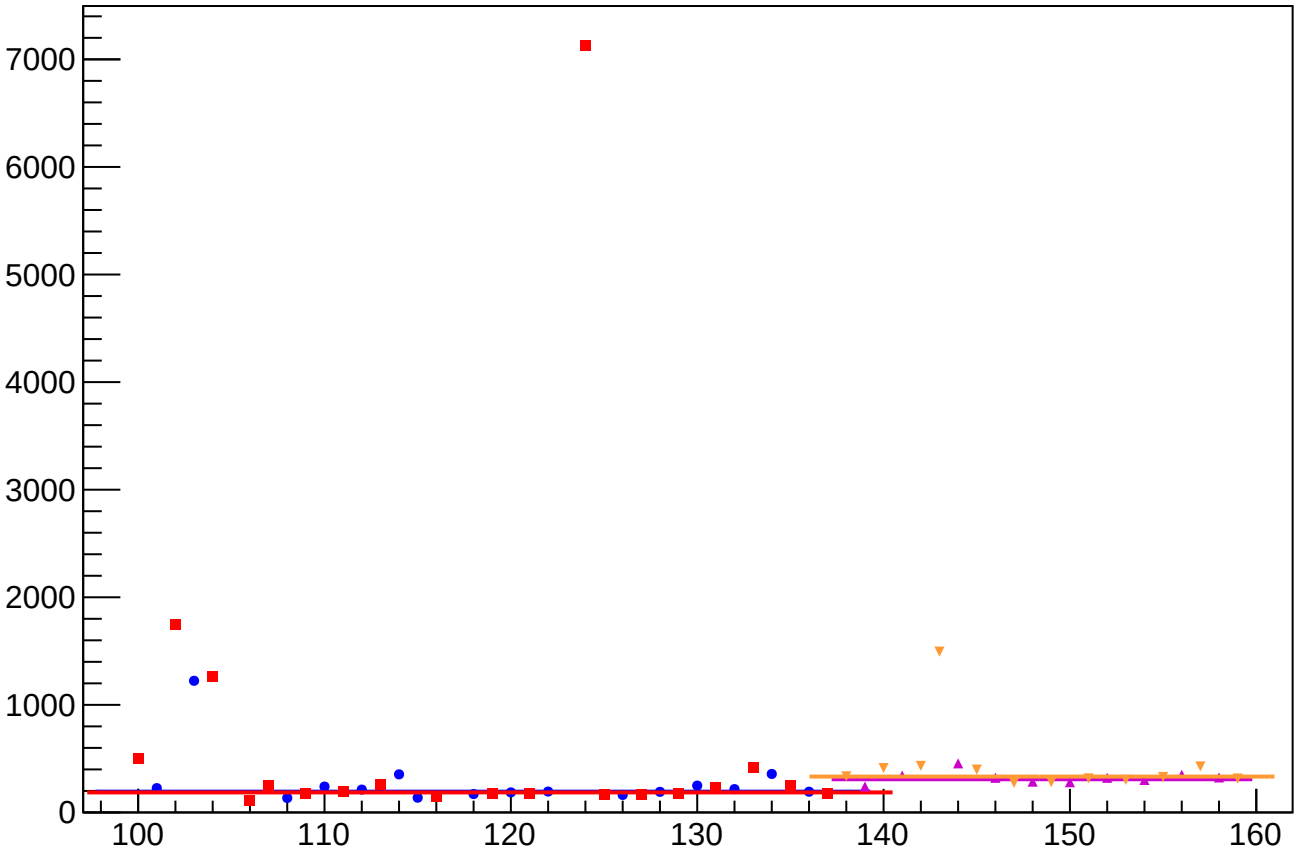
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.004+/-0.107 χ^2/NDF:13.4/9

+ sign -0.023+/-0.064 χ^2/NDF: 29.7/27

All: -0.027+/-0.045 χ^2/NDF: 66.3/56

- sign -0.030+/-0.063 χ^2/NDF: 36.6/28



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

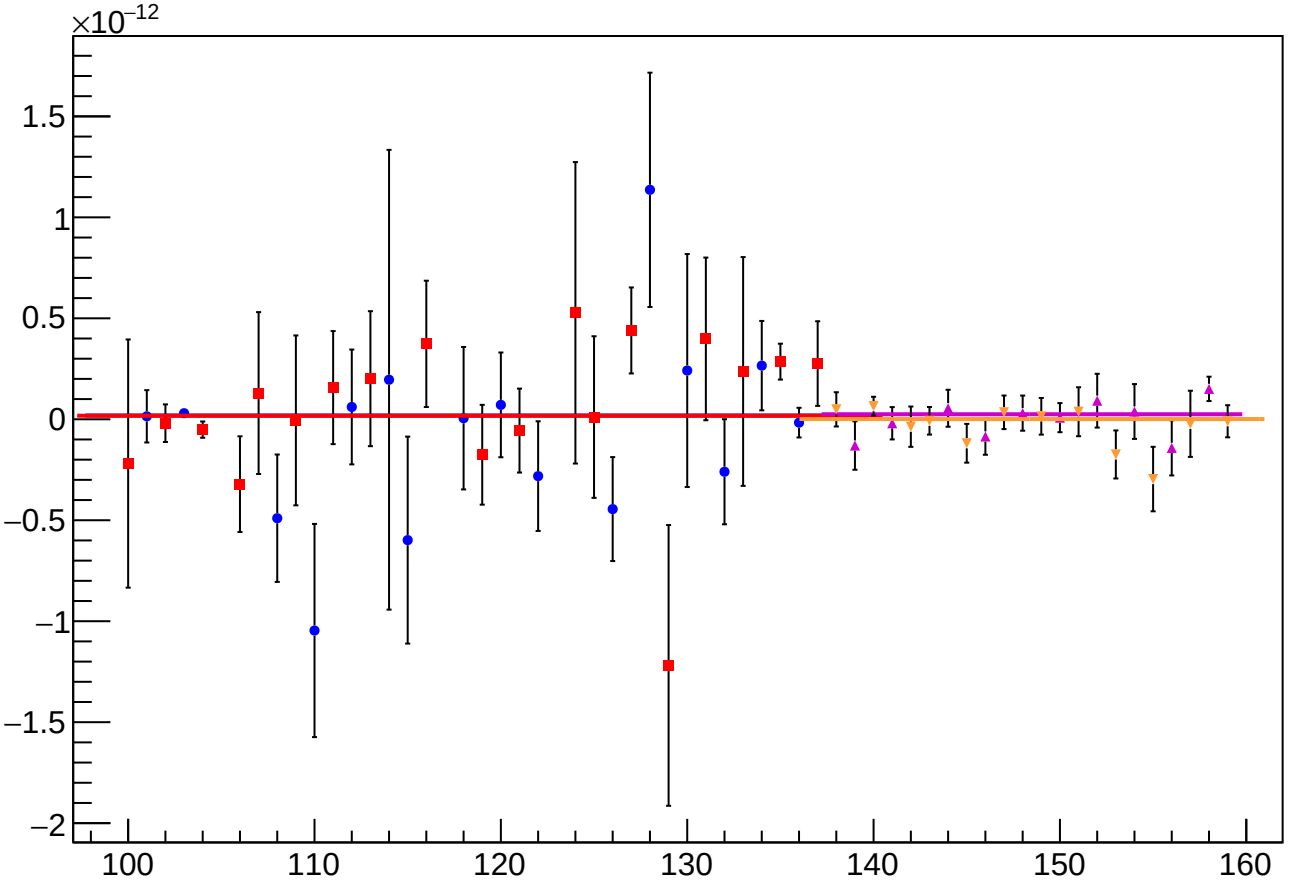
Left In: 308.829+/-0.076 χ^2/NDF:387382.1/9

+ sign 238.039+/-0.045 χ^2/NDF: 4849384.2/27

All: 233.679+/-0.032 χ^2/NDF: 9432041.0/56

- sign 229.415+/-0.045 χ^2/NDF: 4564389.4/28

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/11

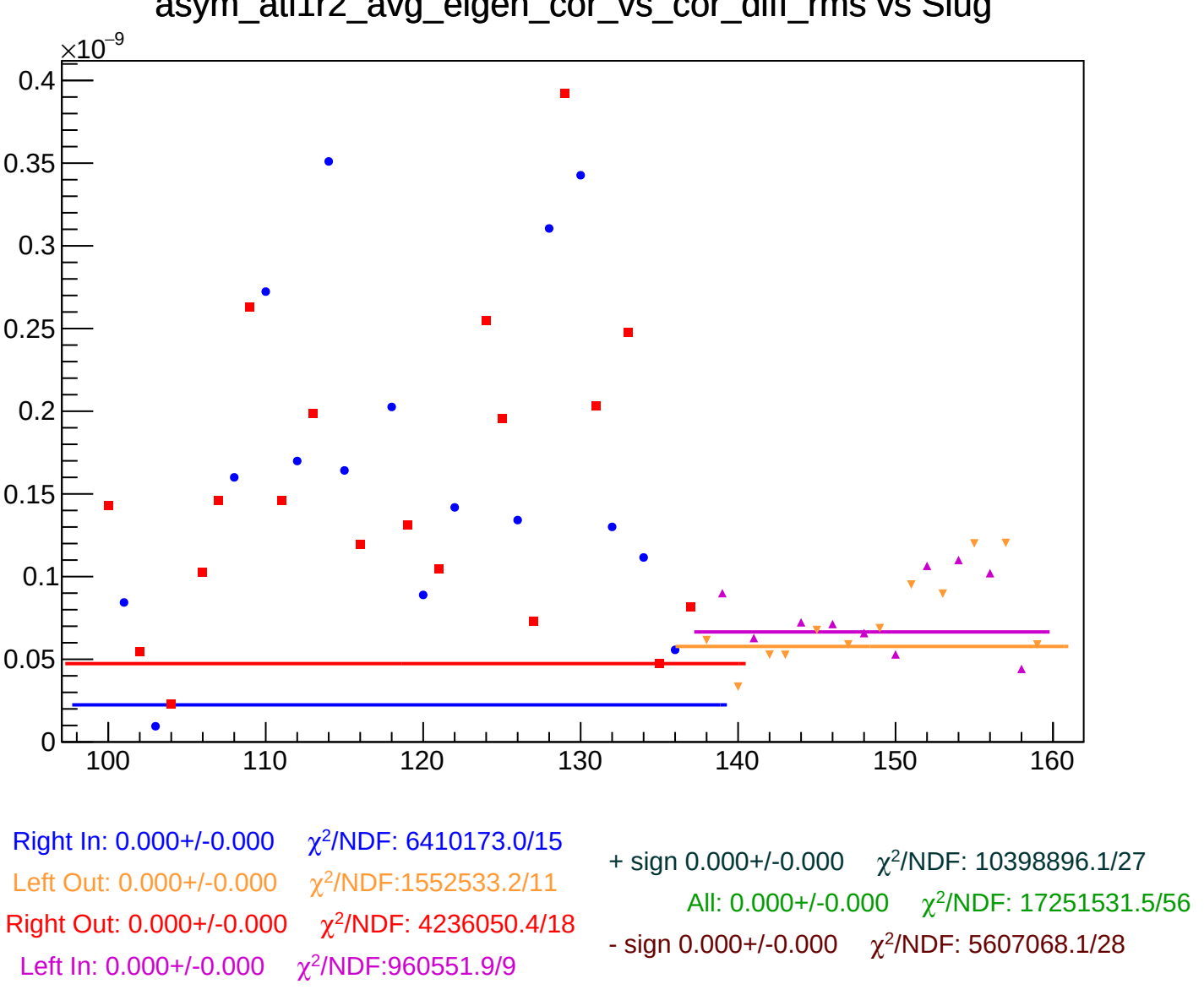
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/9

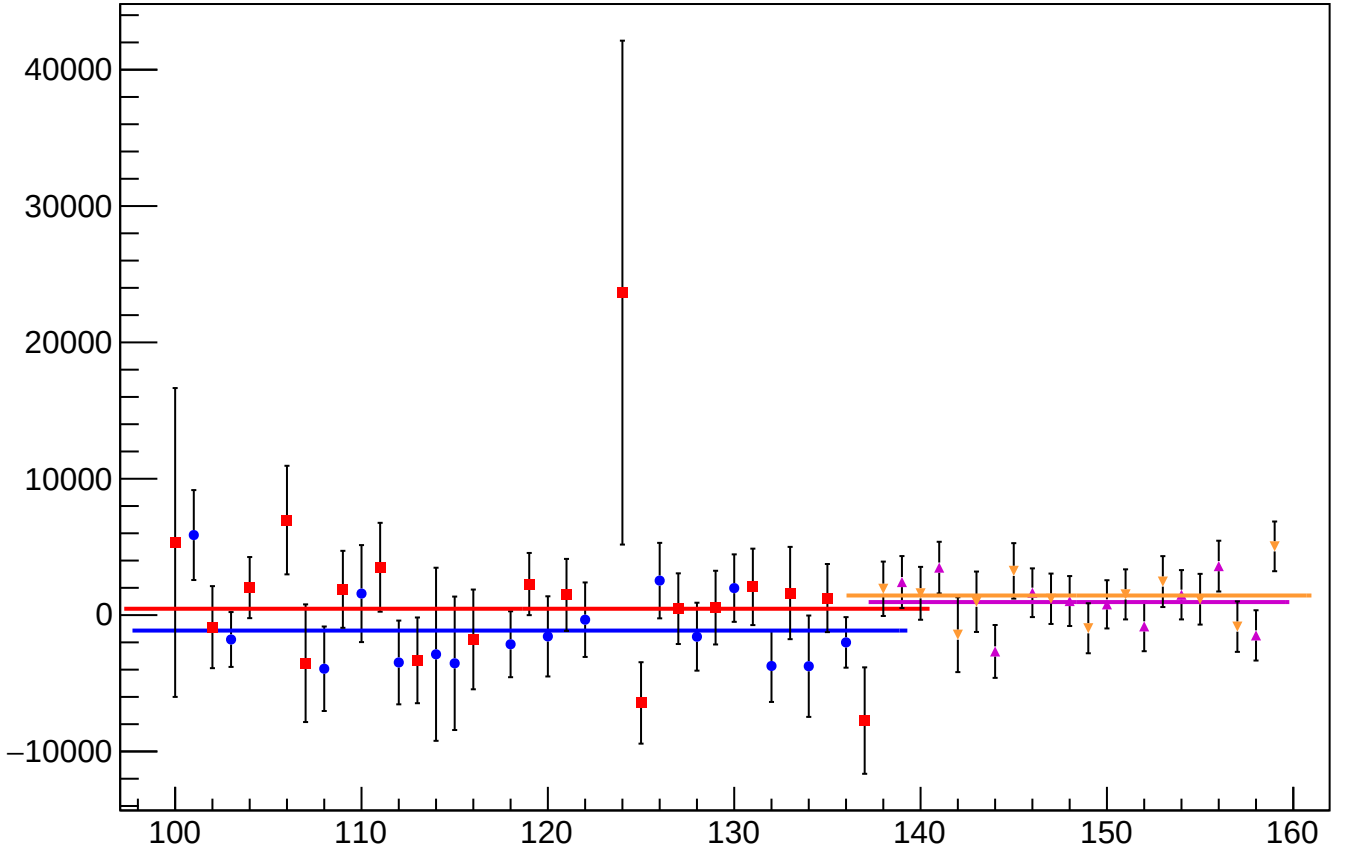
+ sign 0.000+/-0.000 χ^2/NDF: 29.6/27

All: 0.000+/-0.000 χ^2/NDF: 66.6/56

- sign 0.000+/-0.000 χ^2/NDF: 36.9/28


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1552533.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:960551.9/9
+ sign 0.000+/-0.000 χ²/NDF: 10398896.1/27
All: 0.000+/-0.000 χ²/NDF: 17251531.5/56
- sign 0.000+/-0.000 χ²/NDF: 5607068.1/28

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

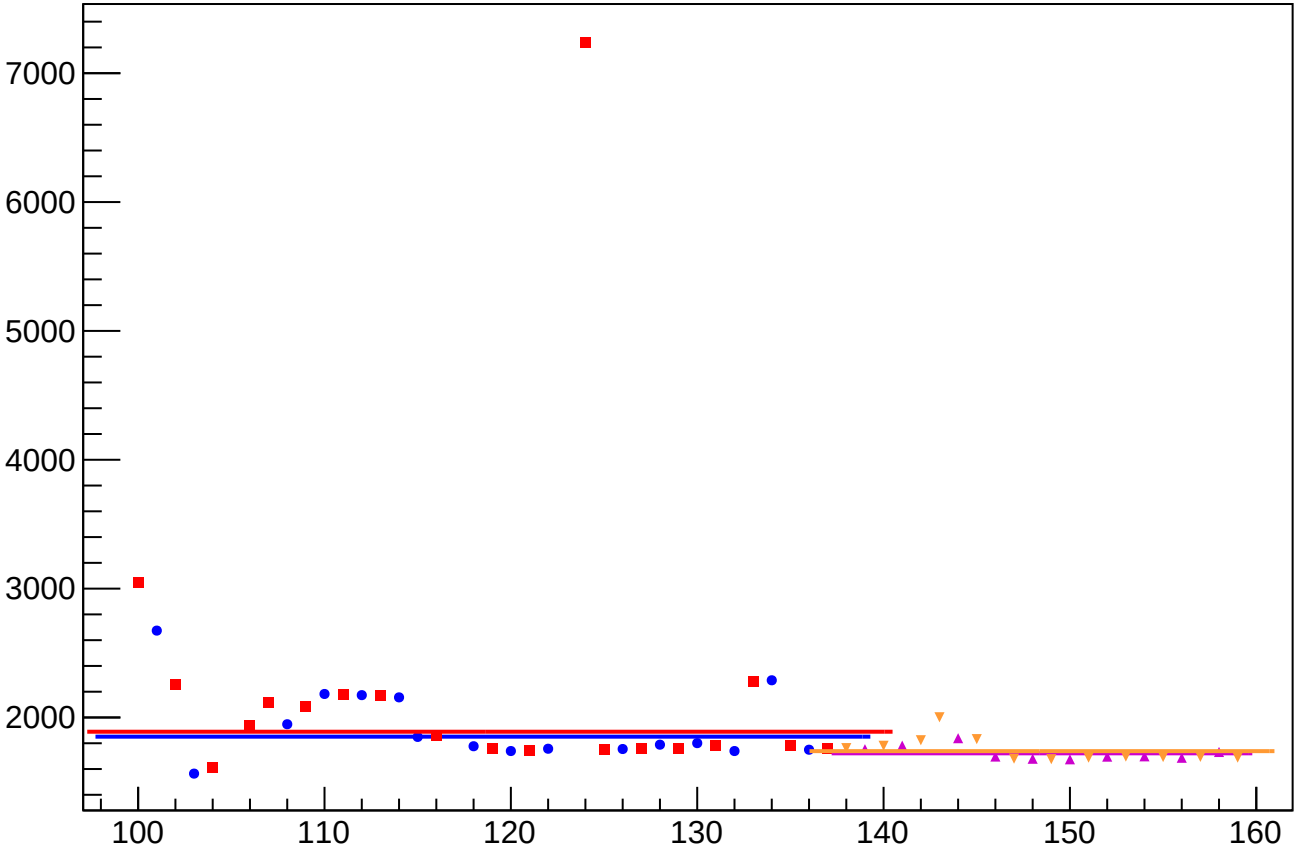
Left In: 955.302+/-583.152 χ^2/NDF:10.8/9

+ sign 415.715+/-437.333 χ^2/NDF: 30.0/27

All: 581.467+/-313.484 χ^2/NDF: 61.4/56

- sign 756.639+/-449.589 χ^2/NDF: 31.1/28

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

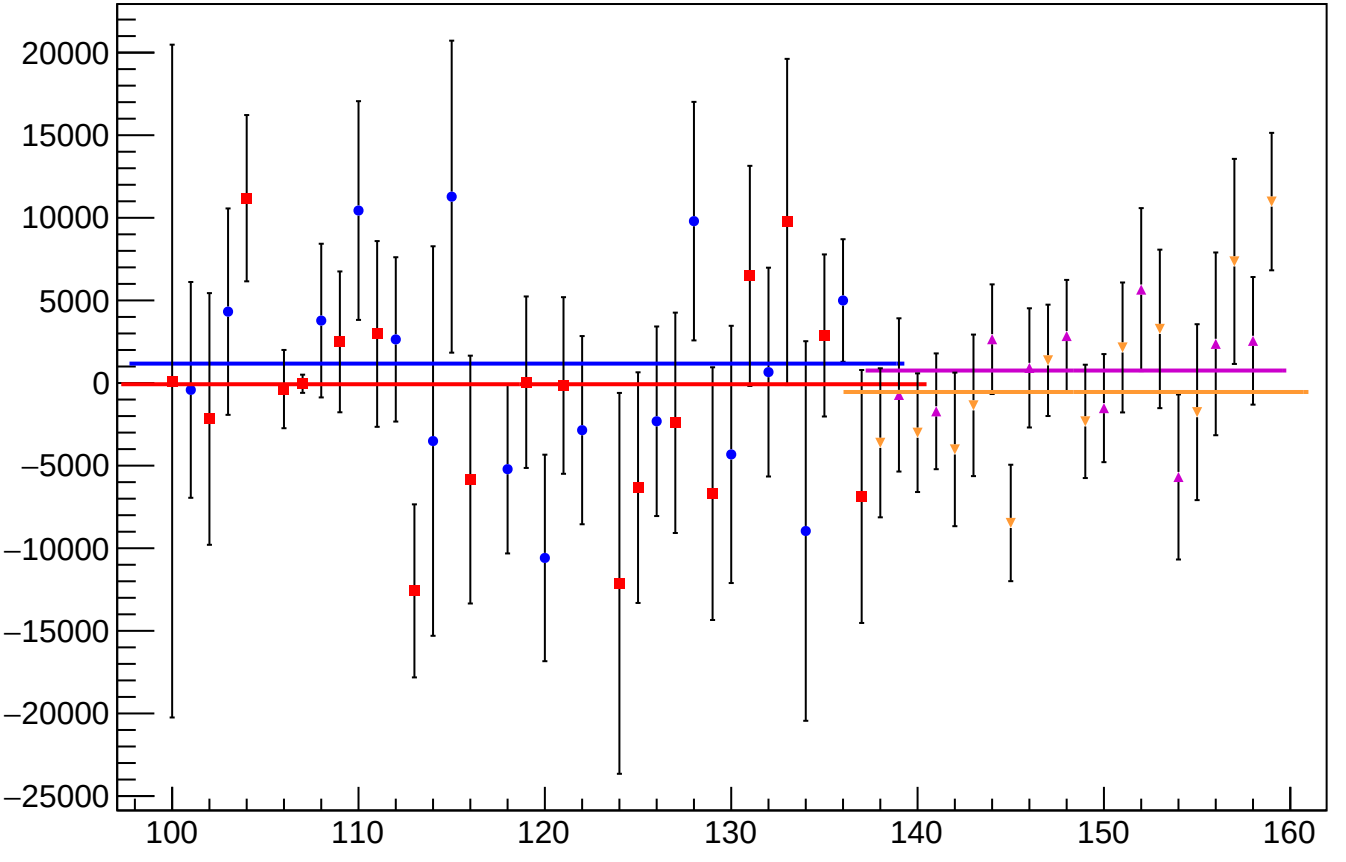
Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

+ sign 1783.407+/-0.309 χ^2/NDF: 337818.8/27

All: 1786.631+/-0.222 χ^2/NDF: 778427.4/56

- sign 1790.033+/-0.318 χ^2/NDF: 440385.2/28

asym_atl1r2_dd_reg_correction_mean vs Slug



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

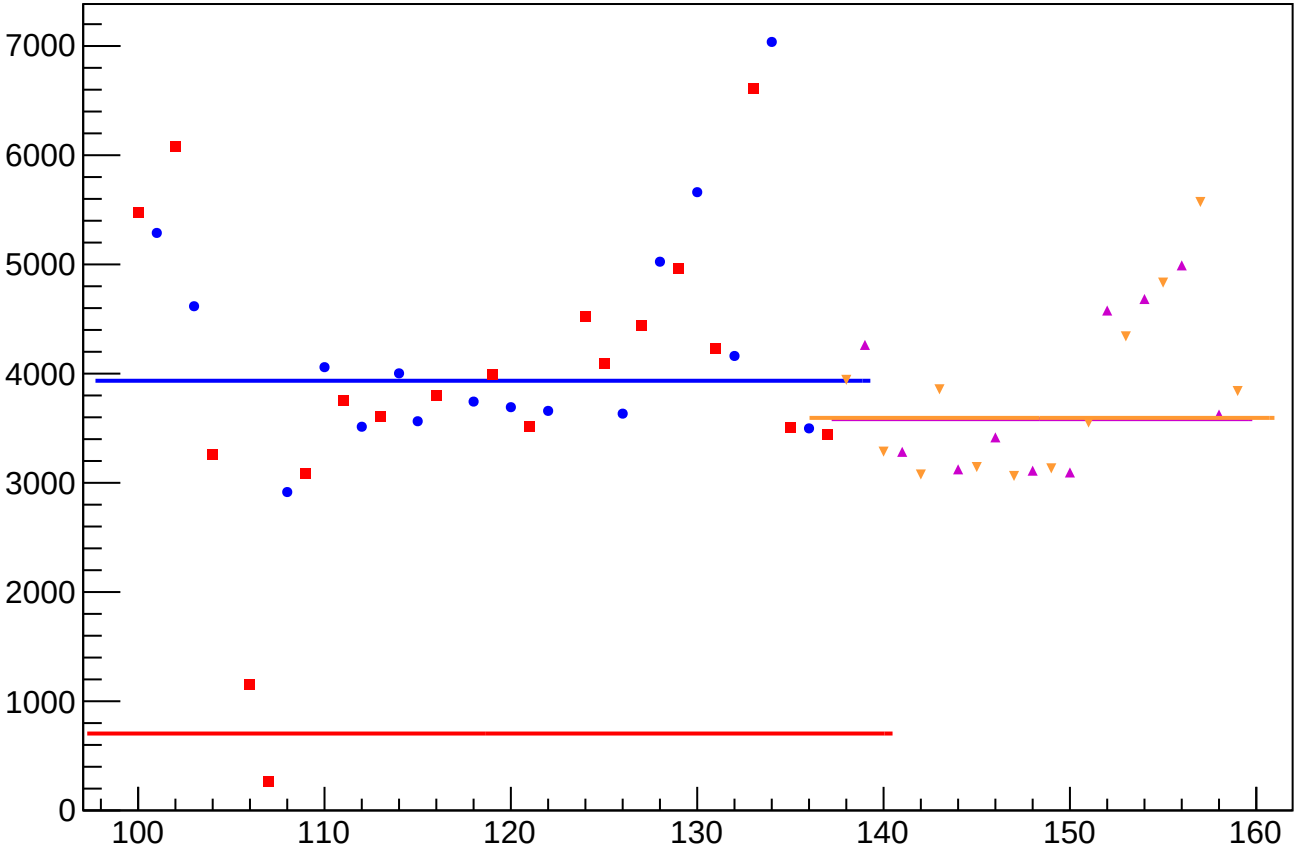
Left In: 756.277+/-1234.082 χ^2/NDF:4.7/9

+ sign 118.818+/-931.932 χ^2/NDF: 32.2/27

All: 61.061+/-418.177 χ^2/NDF: 55.2/56

- sign 46.500+/-467.931 χ^2/NDF: 23.1/28

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

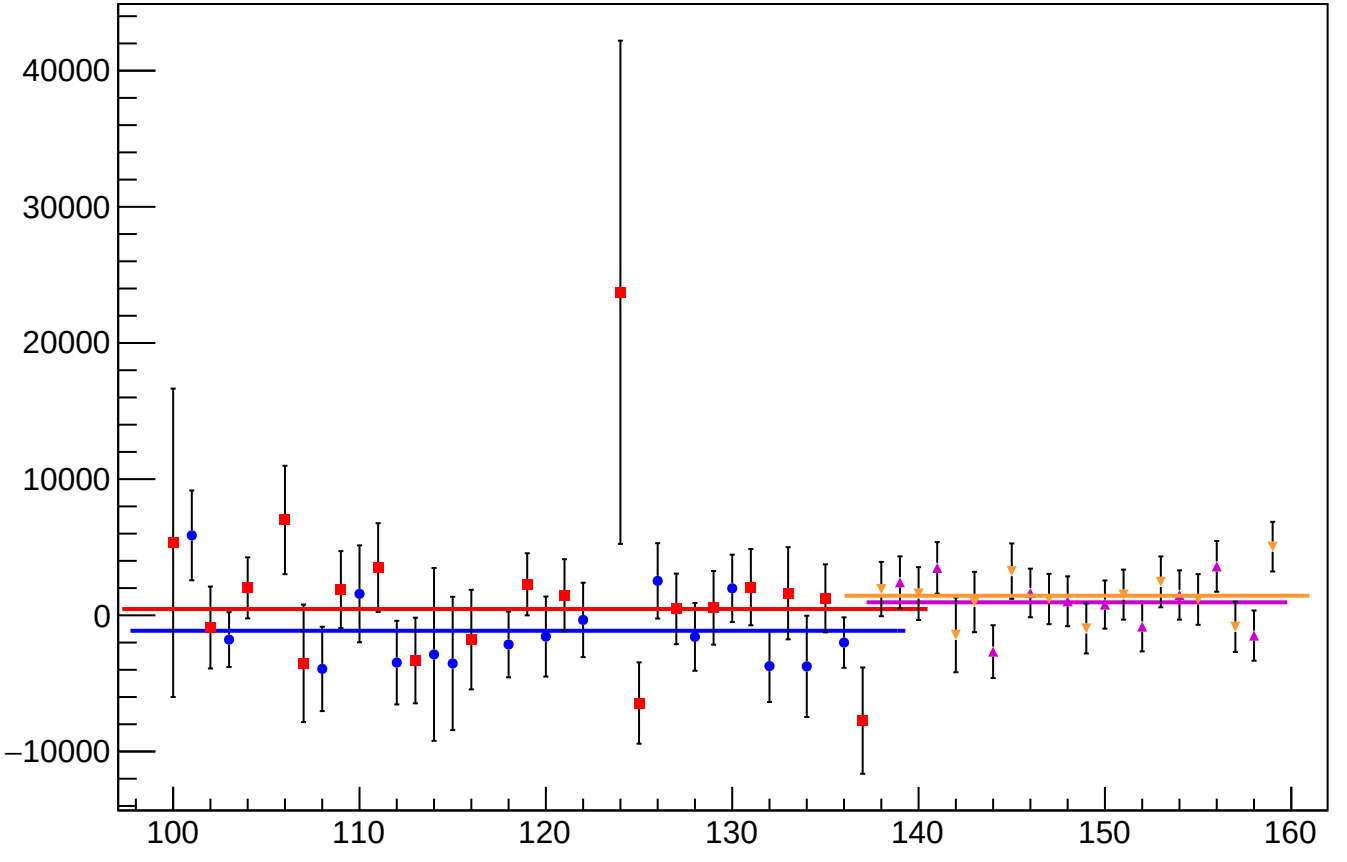
Left In: 3583.245+/-0.873 χ^2/NDF:491518.0/9

+ sign 3725.569+/-0.659 χ^2/NDF: 1167831.6/27

All: 1643.261+/-0.296 χ^2/NDF: 34099476.7/5

- sign 1118.285+/-0.331 χ^2/NDF: 20429217.8/28

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

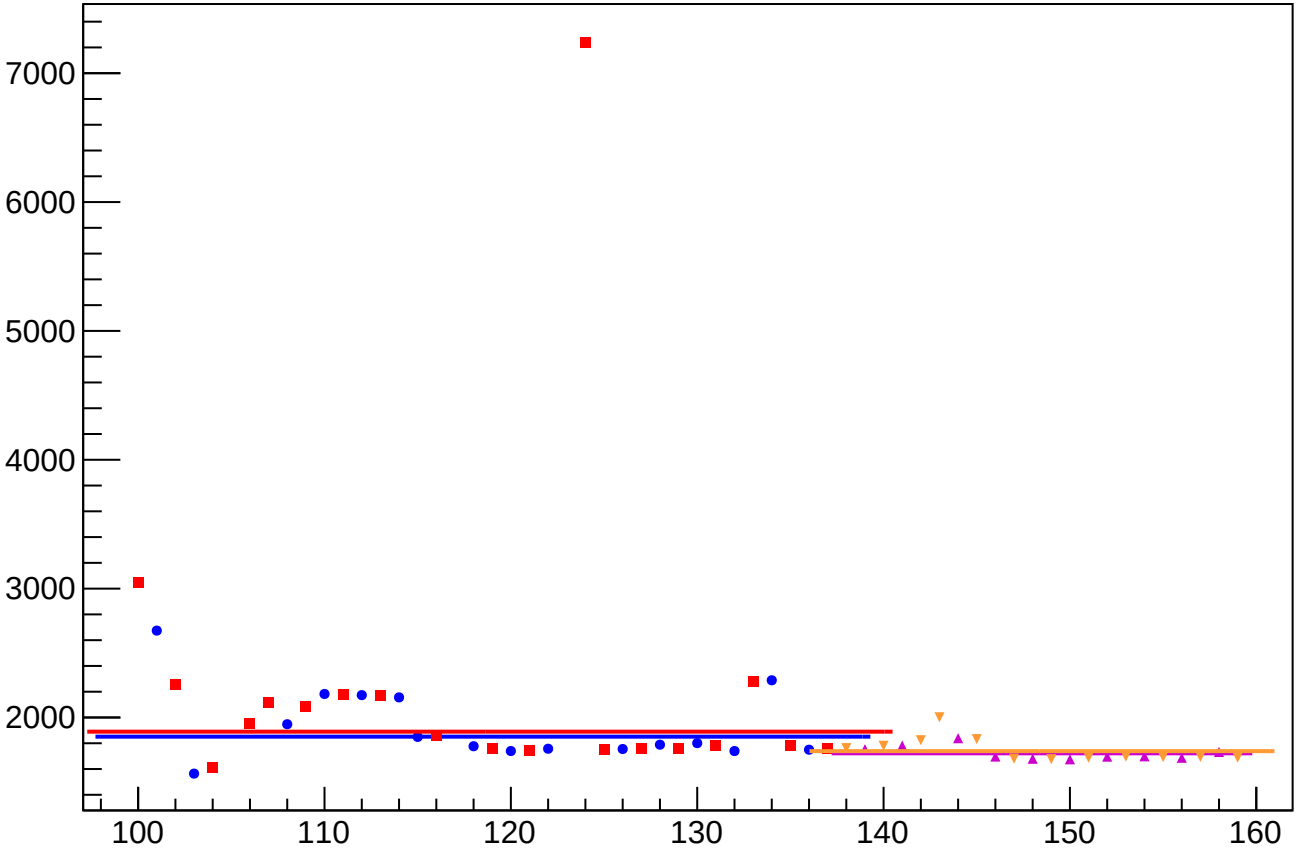
Left In: 955.261+/-583.152 χ^2/NDF:10.8/9

\+ sign 415.930+/-437.333 χ^2/NDF: 30.0/27

All: 581.640+/-313.485 χ^2/NDF: 61.5/56

\- sign 756.769+/-449.590 χ^2/NDF: 31.2/28

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

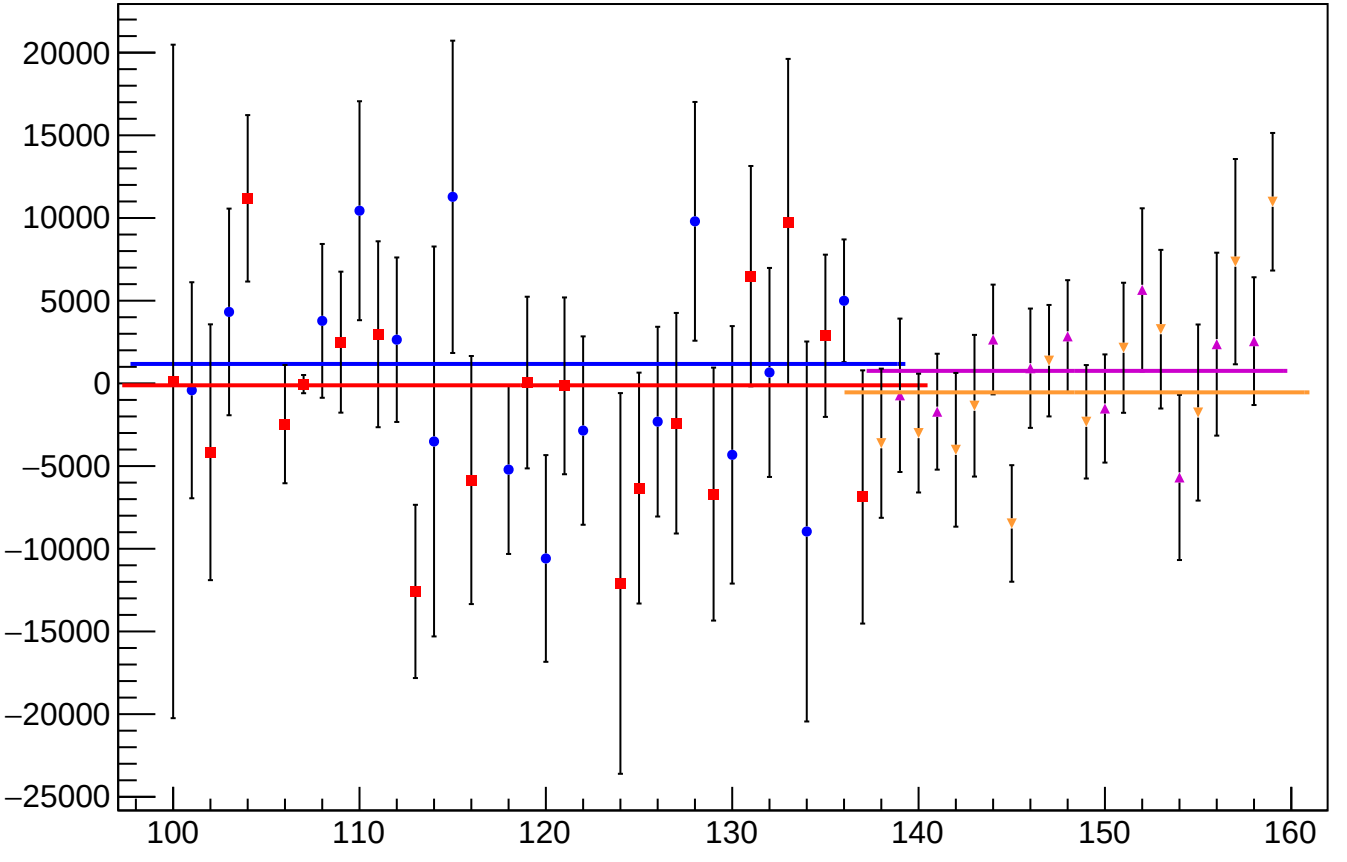
Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

+ sign 1783.407+/-0.309 χ^2/NDF: 337818.2/27

All: 1786.713+/-0.222 χ^2/NDF: 779007.9/56

- sign 1790.201+/-0.318 χ^2/NDF: 440954.9/28

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

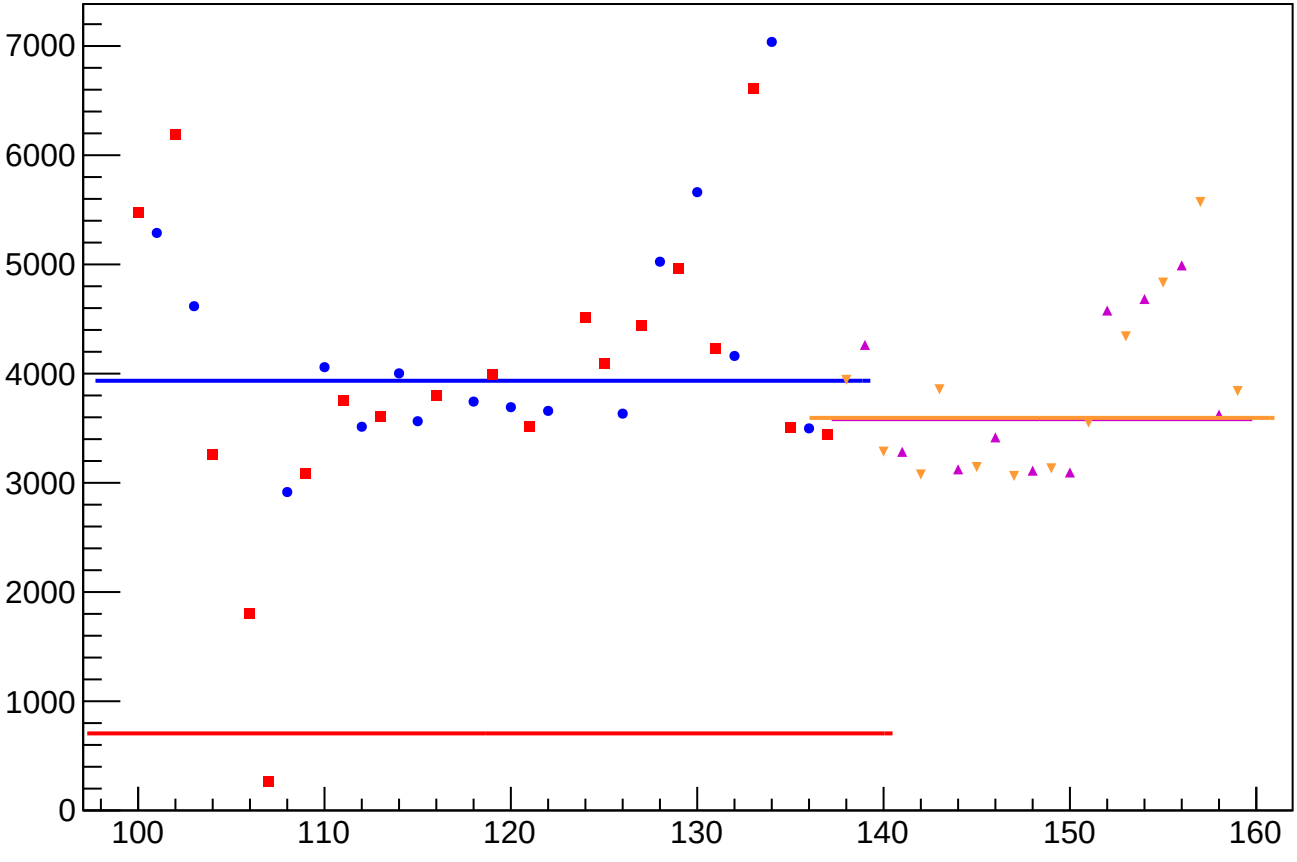
Left In: 756.322+/-1234.083 χ^2/NDF:4.7/9

+ sign 118.791+/-931.932 χ^2/NDF: 32.2/27

All: 34.120+/-421.884 χ^2/NDF: 55.9/56

- sign 12.296+/-473.142 χ^2/NDF: 23.7/28

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

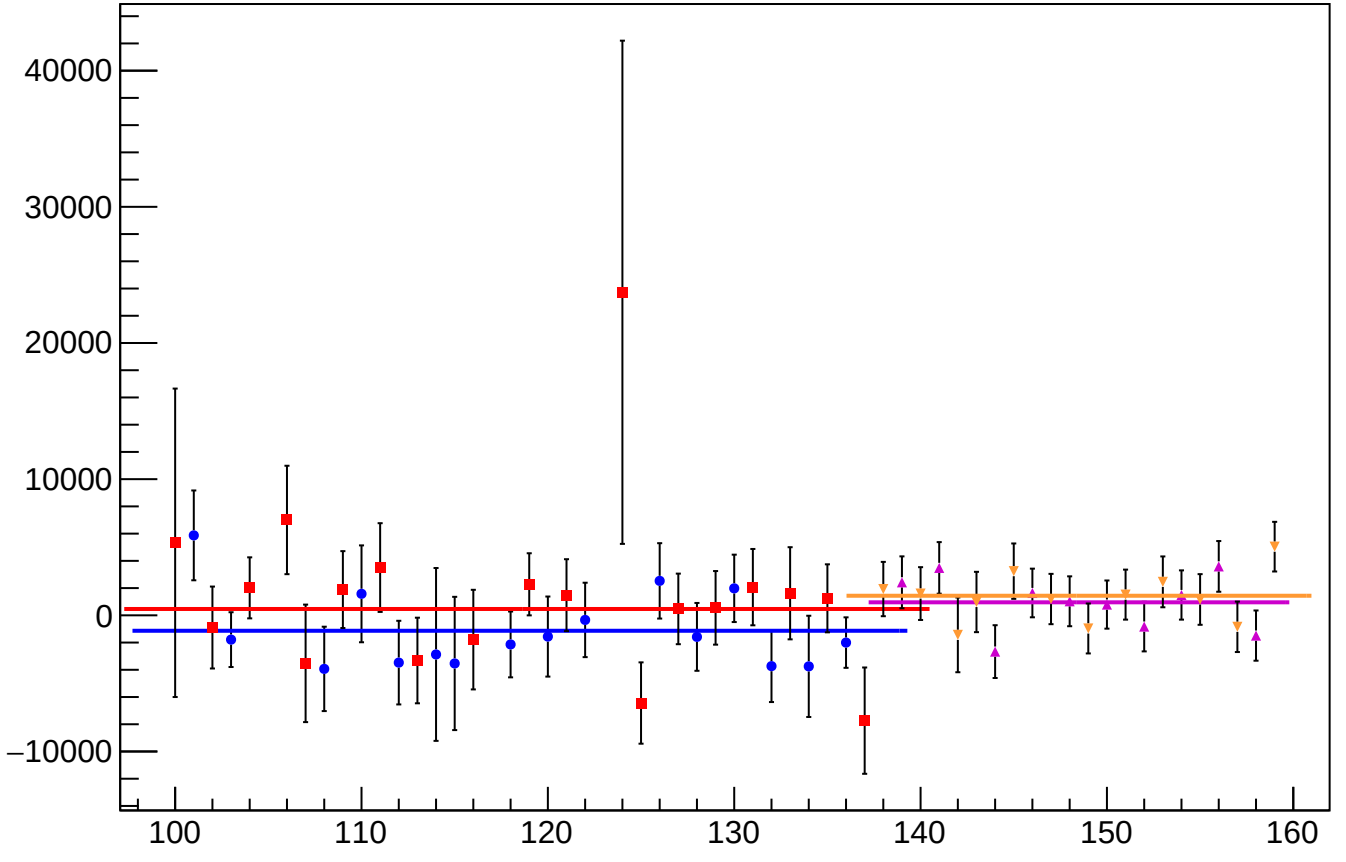
Left In: 3583.247+/-0.873 χ^2/NDF:491510.6/9

+ sign 3725.564+/-0.659 χ^2/NDF: 1167867.8/27

All: 1660.817+/-0.298 χ^2/NDF: 34030532.1/5

- sign 1128.609+/-0.335 χ^2/NDF: 20514773.7/28

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

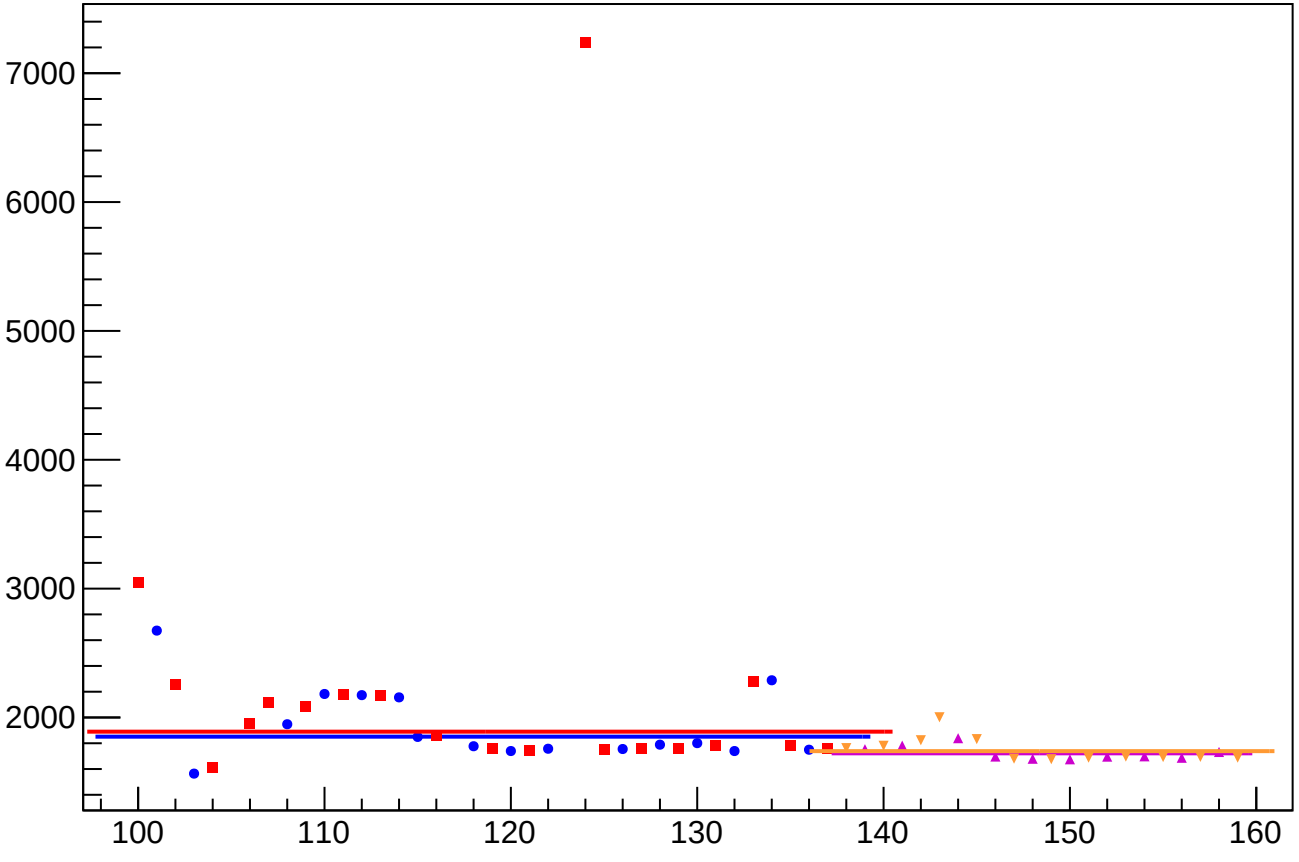
Left In: 955.261+/-583.152 χ^2/NDF:10.8/9

+ sign 415.930+/-437.333 χ^2/NDF: 30.0/27

All: 581.640+/-313.485 χ^2/NDF: 61.5/56

- sign 756.769+/-449.590 χ^2/NDF: 31.2/28

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

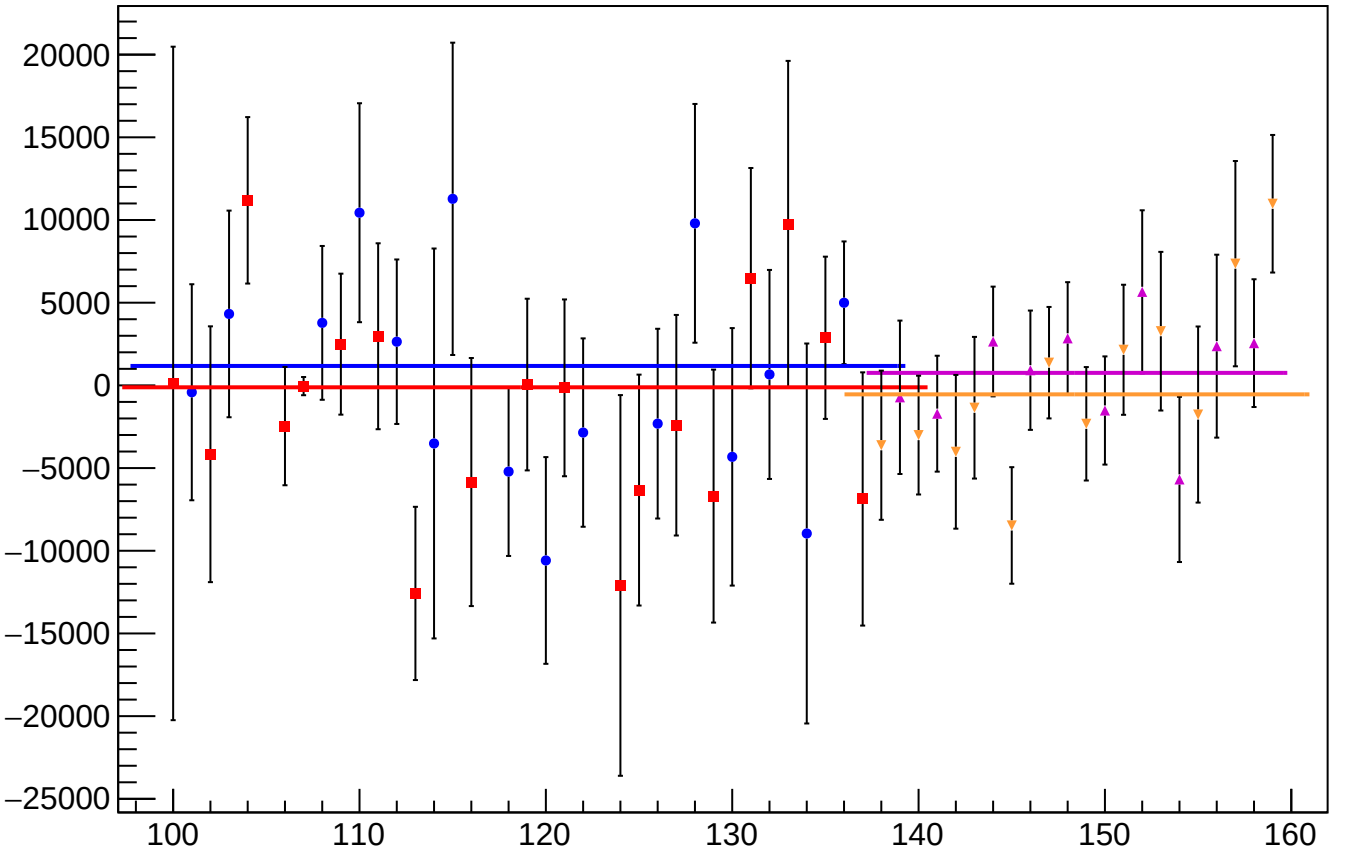
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1721.821+/-0.412 χ^2/NDF:14203.7/9

+ sign 1783.407+/-0.309 χ^2/NDF: 337818.2/27

All: 1786.713+/-0.222 χ^2/NDF: 779007.9/56

- sign 1790.201+/-0.318 χ^2/NDF: 440954.9/28



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

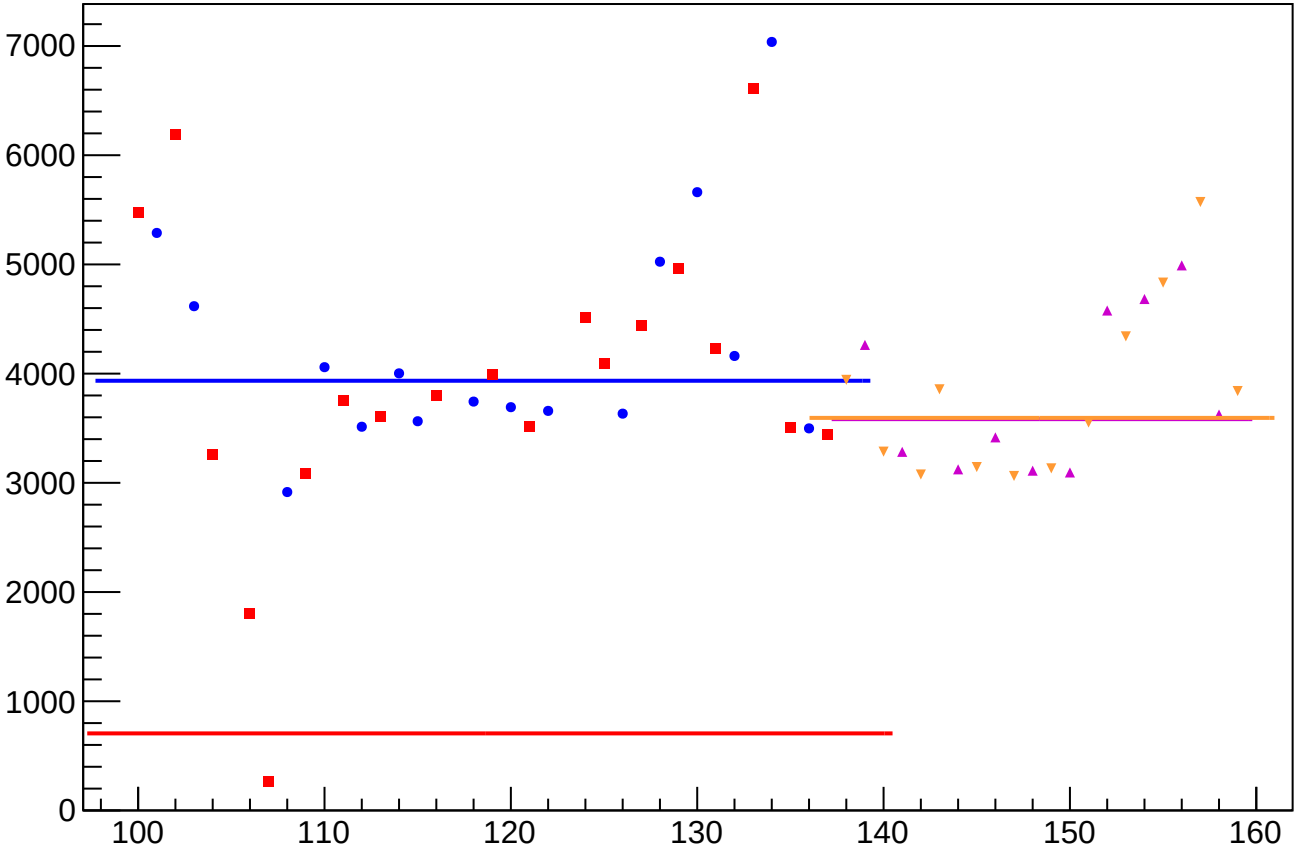
Left In: 756.322+/-1234.083 χ^2/NDF:4.7/9

+ sign 118.791+/-931.932 χ^2/NDF: 32.2/27

All: 34.120+/-421.884 χ^2/NDF: 55.9/56

- sign 12.296+/-473.142 χ^2/NDF: 23.7/28

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

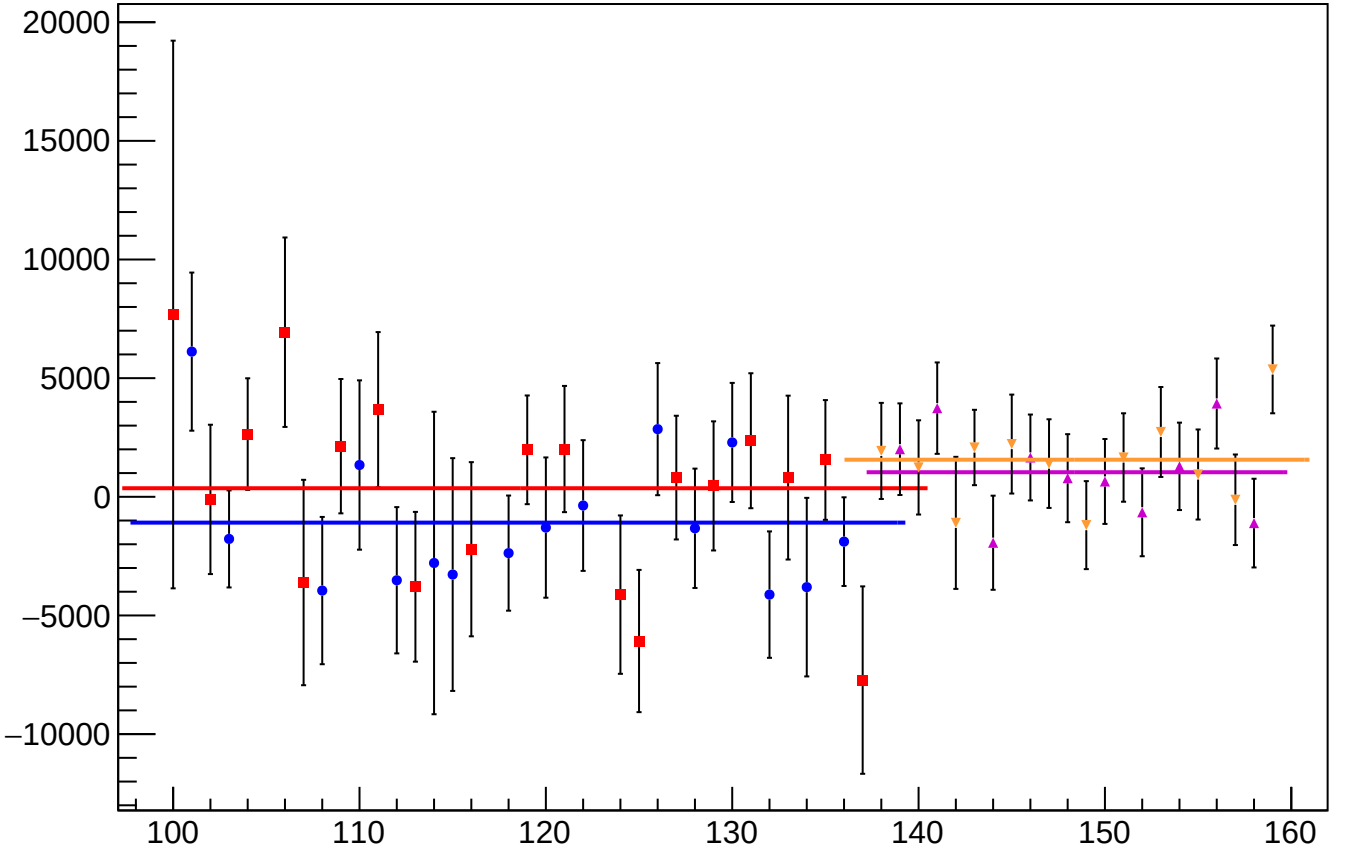
Left In: 3583.247+/-0.873 χ^2/NDF:491510.6/9

+ sign 3725.564+/-0.659 χ^2/NDF: 1167867.8/27

All: 1660.817+/-0.298 χ^2/NDF: 34030532.1/5

- sign 1128.609+/-0.335 χ^2/NDF: 20514773.7/28

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

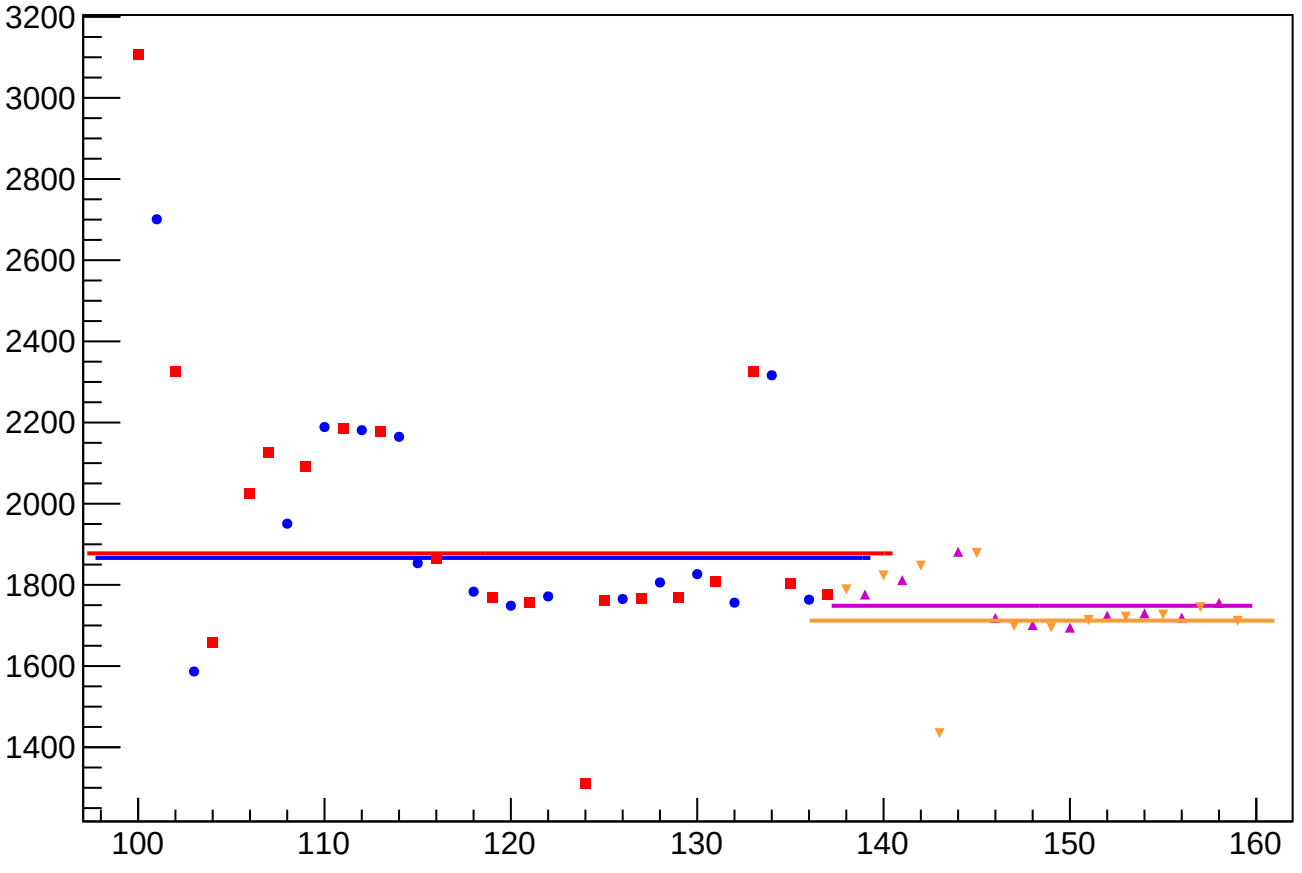
Left In: 1035.656+/-592.230 χ^2/NDF:9.1/9

+ sign 538.586+/-434.961 χ^2/NDF: 30.9/27

All: 642.214+/-313.426 χ^2/NDF: 61.5/56

- sign 754.138+/-452.035 χ^2/NDF: 30.5/28

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

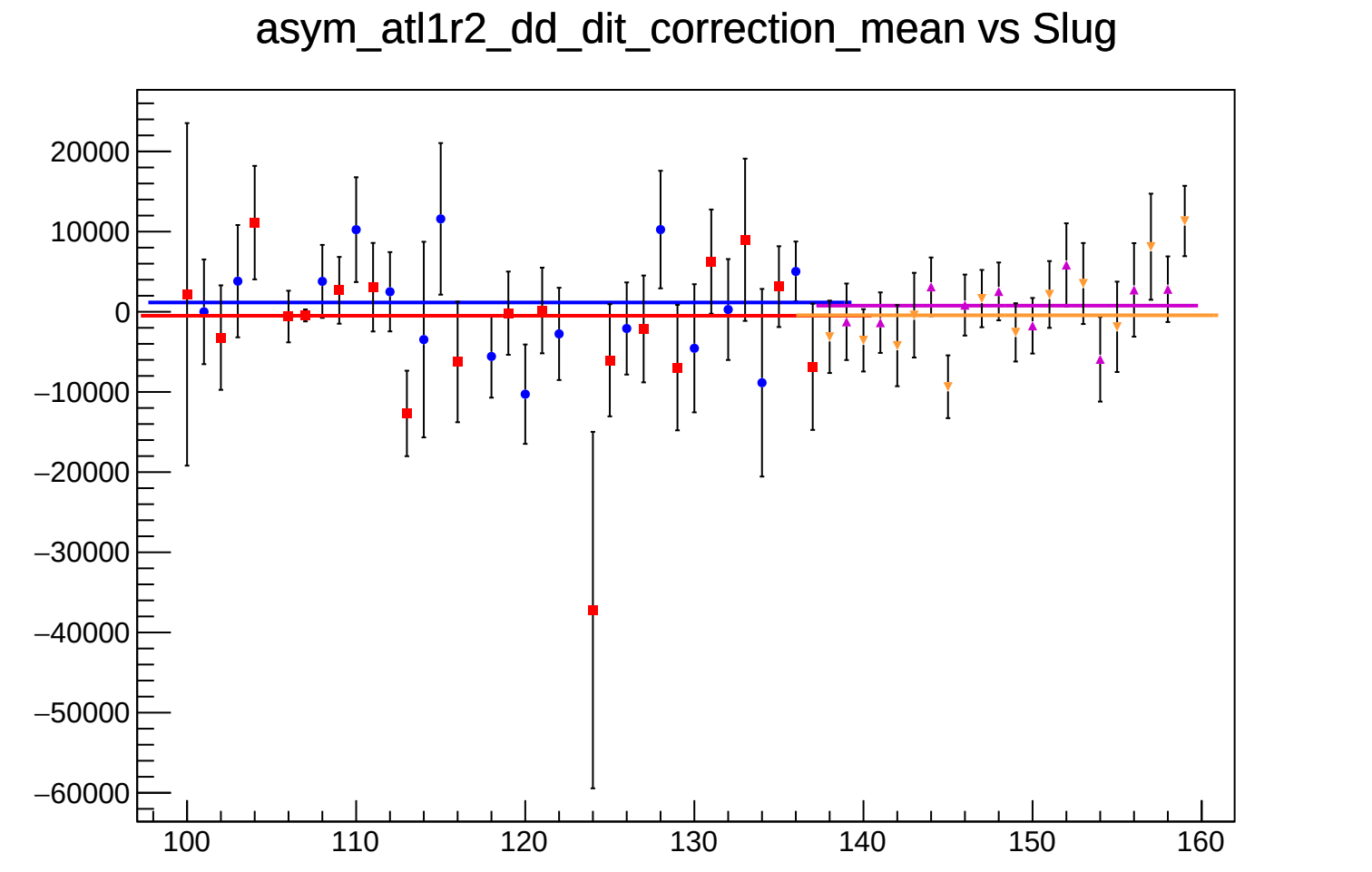
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1748.499+/-0.419 χ^2/NDF:16287.5/9

+ sign 1771.755+/-0.308 χ^2/NDF: 404718.5/27

All: 1786.523+/-0.222 χ^2/NDF: 717396.5/56

- sign 1802.463+/-0.320 χ^2/NDF: 307883.5/28



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

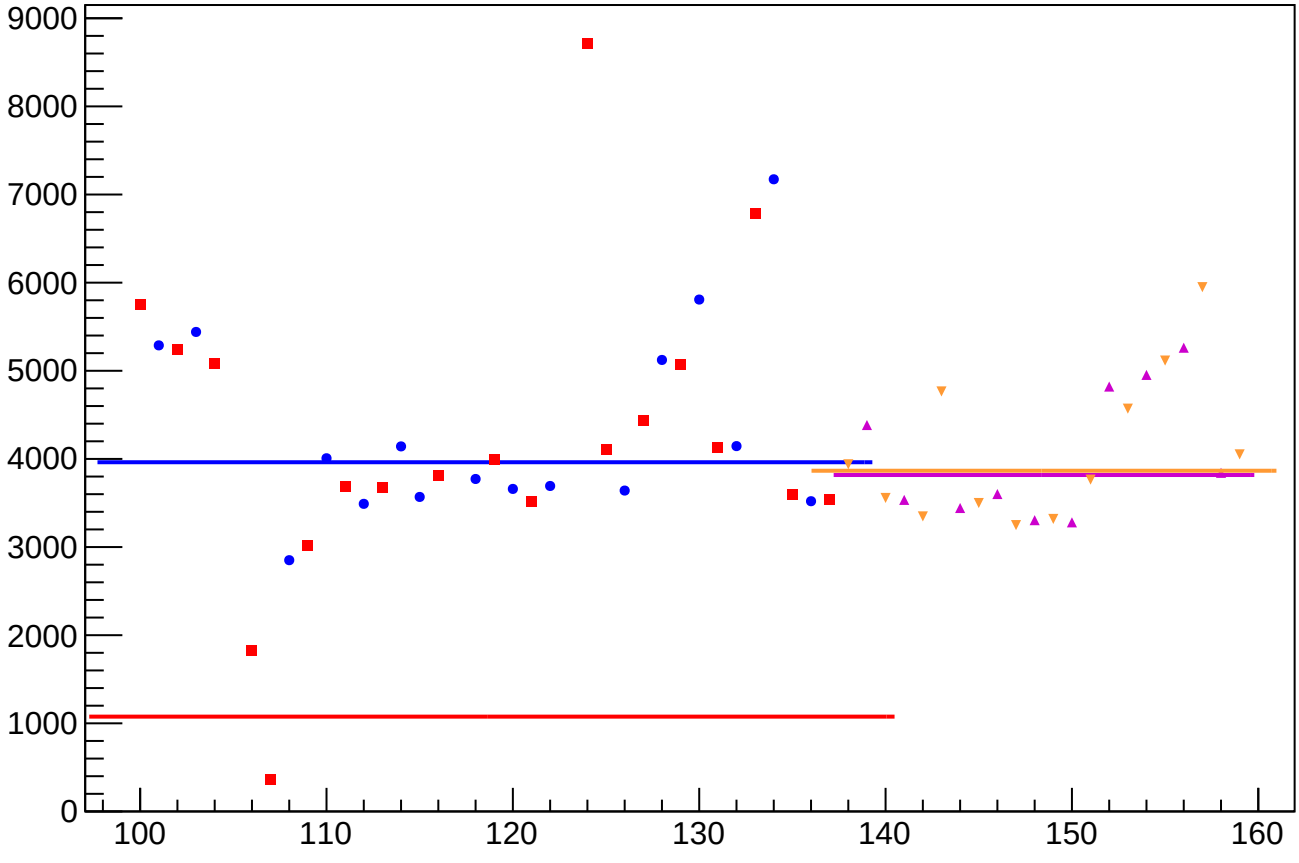
Left In: 765.426+/-1313.048 χ^2/NDF:4.6/9

\+ sign 228.580+/-976.058 χ^2/NDF: 31.7/27

All: -115.046+/-504.064 χ^2/NDF: 54.1/56

\- sign -240.022+/-588.633 χ^2/NDF: 22.3/28

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

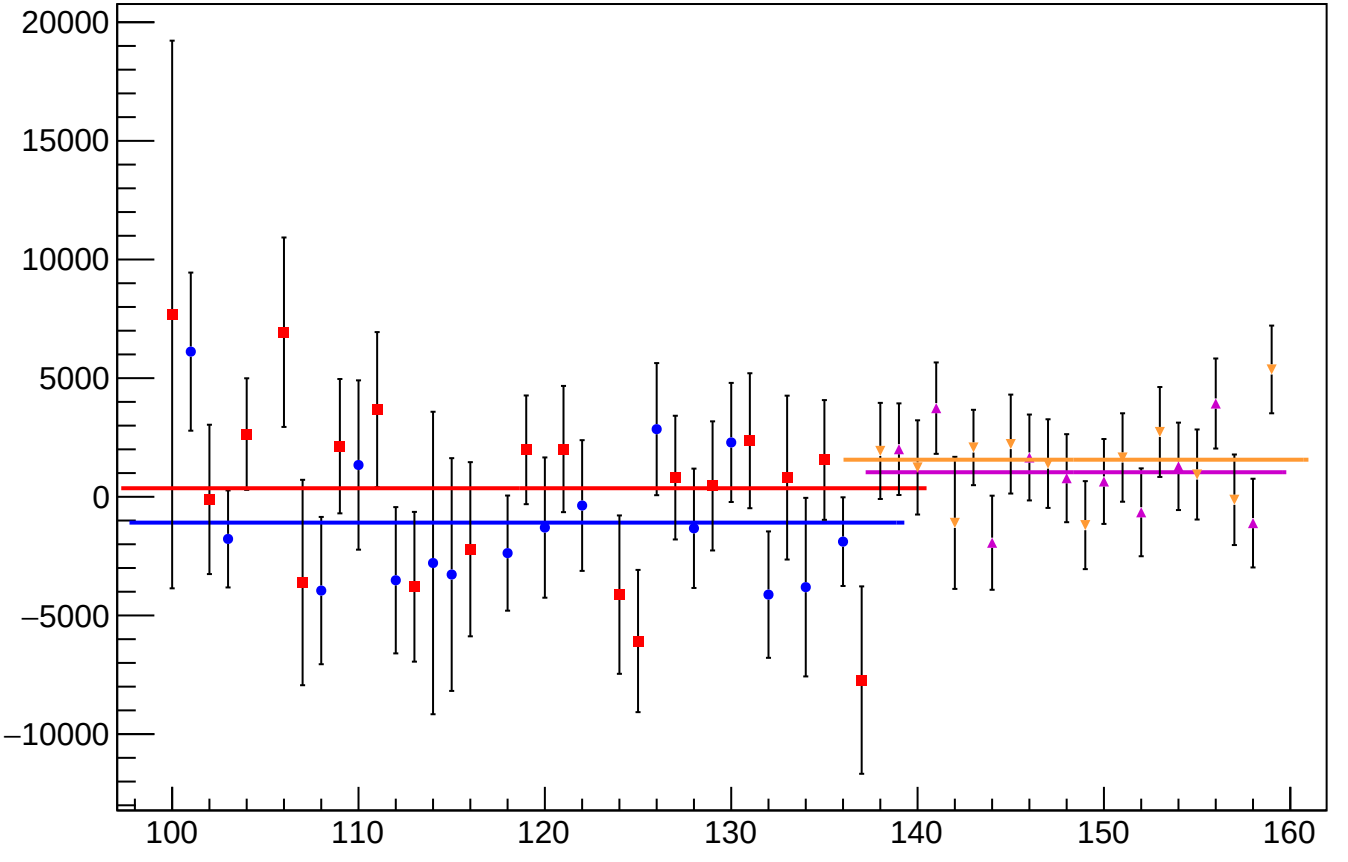
Left In: 3817.487+/-0.928 χ^2/NDF:445005.6/9

+ sign 3906.127+/-0.690 χ^2/NDF: 1227749.6/27

All: 2234.780+/-0.356 χ^2/NDF: 26194734.4/5

- sign 1626.918+/-0.416 χ^2/NDF: 16969940.8/28

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

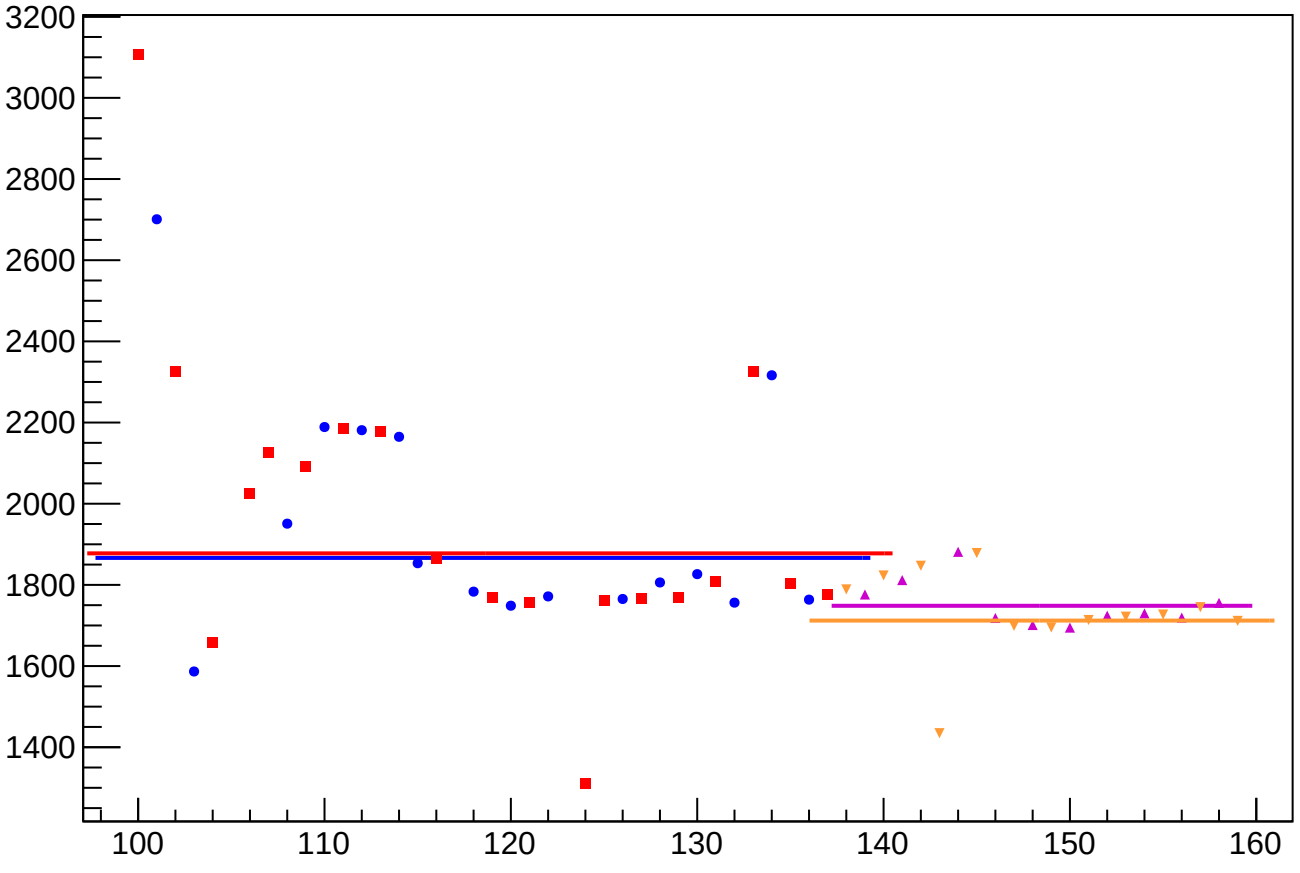
Left In: 1035.654+/-592.231 χ^2/NDF:9.1/9

+ sign 538.585+/-434.961 χ^2/NDF: 30.9/27

All: 642.214+/-313.426 χ^2/NDF: 61.5/56

- sign 754.139+/-452.035 χ^2/NDF: 30.5/28

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

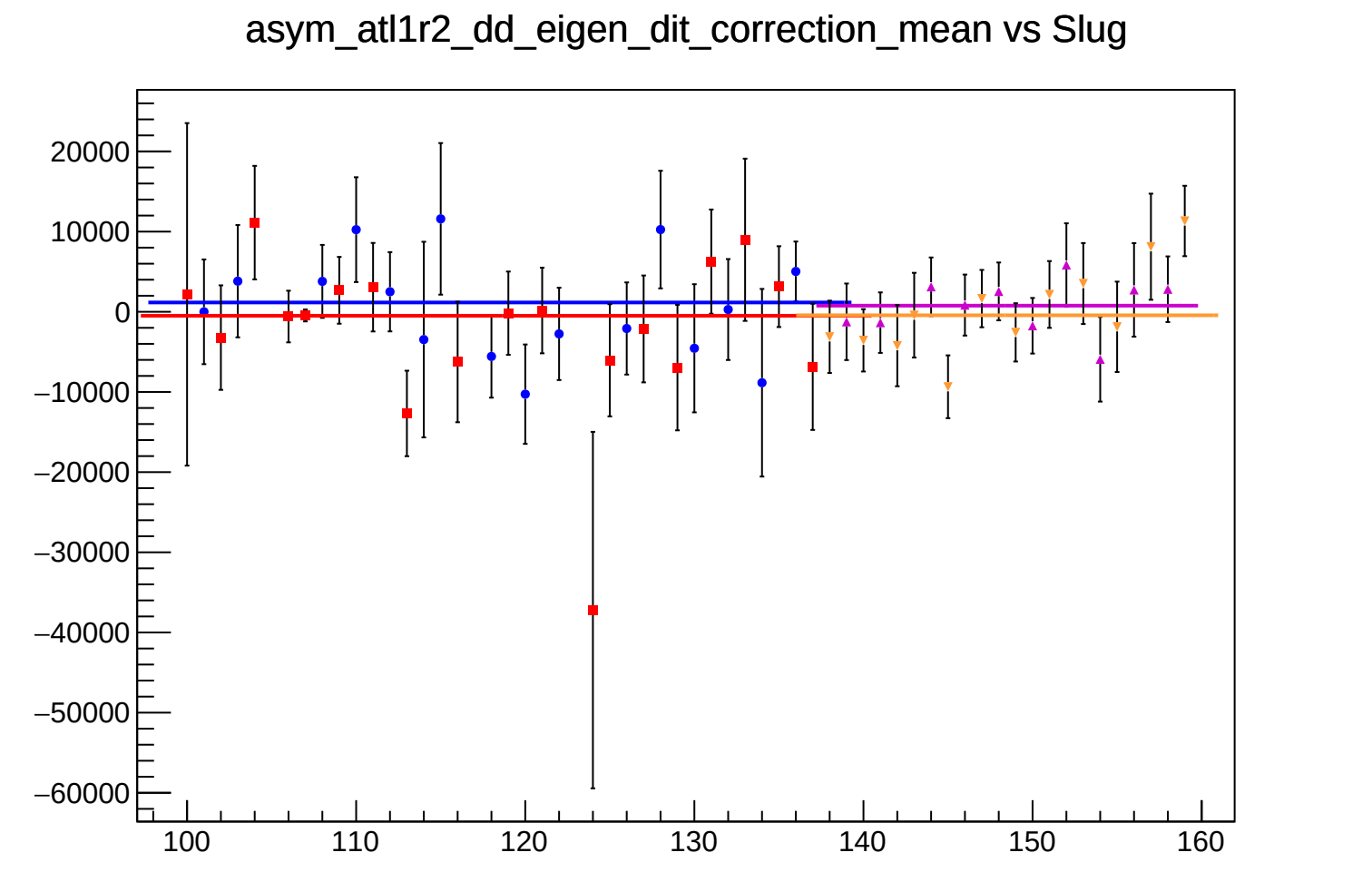
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1748.499+/-0.419 χ^2/NDF:16287.4/9

+ sign 1771.755+/-0.308 χ^2/NDF: 404716.7/27

All: 1786.524+/-0.222 χ^2/NDF: 717394.5/56

- sign 1802.464+/-0.320 χ^2/NDF: 307883.4/28



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

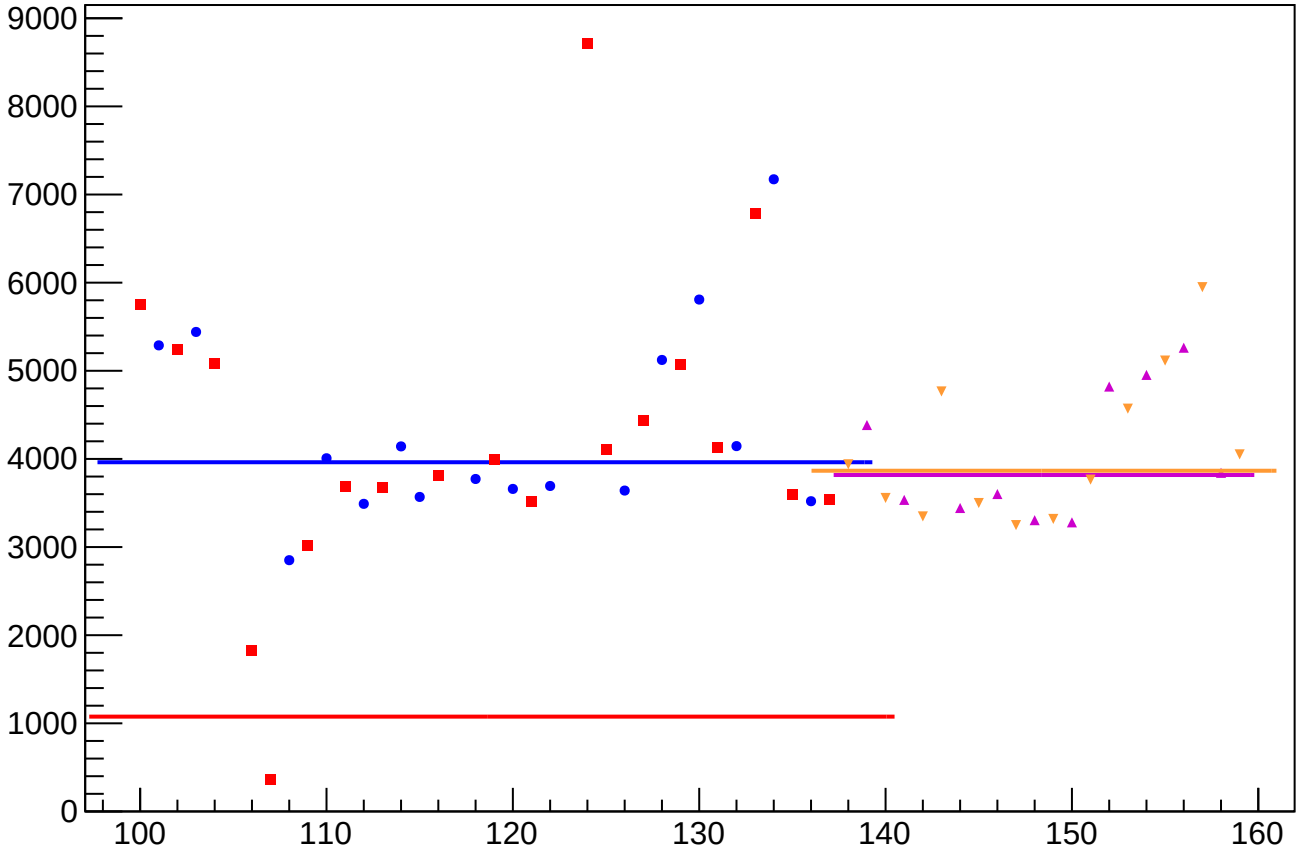
Left In: 765.424+/-1313.050 χ^2/NDF:4.6/9

\+ sign 228.574+/-976.058 χ^2/NDF: 31.7/27

All: -115.046+/-504.069 χ^2/NDF: 54.1/56

\- sign -240.022+/-588.641 χ^2/NDF: 22.3/28

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

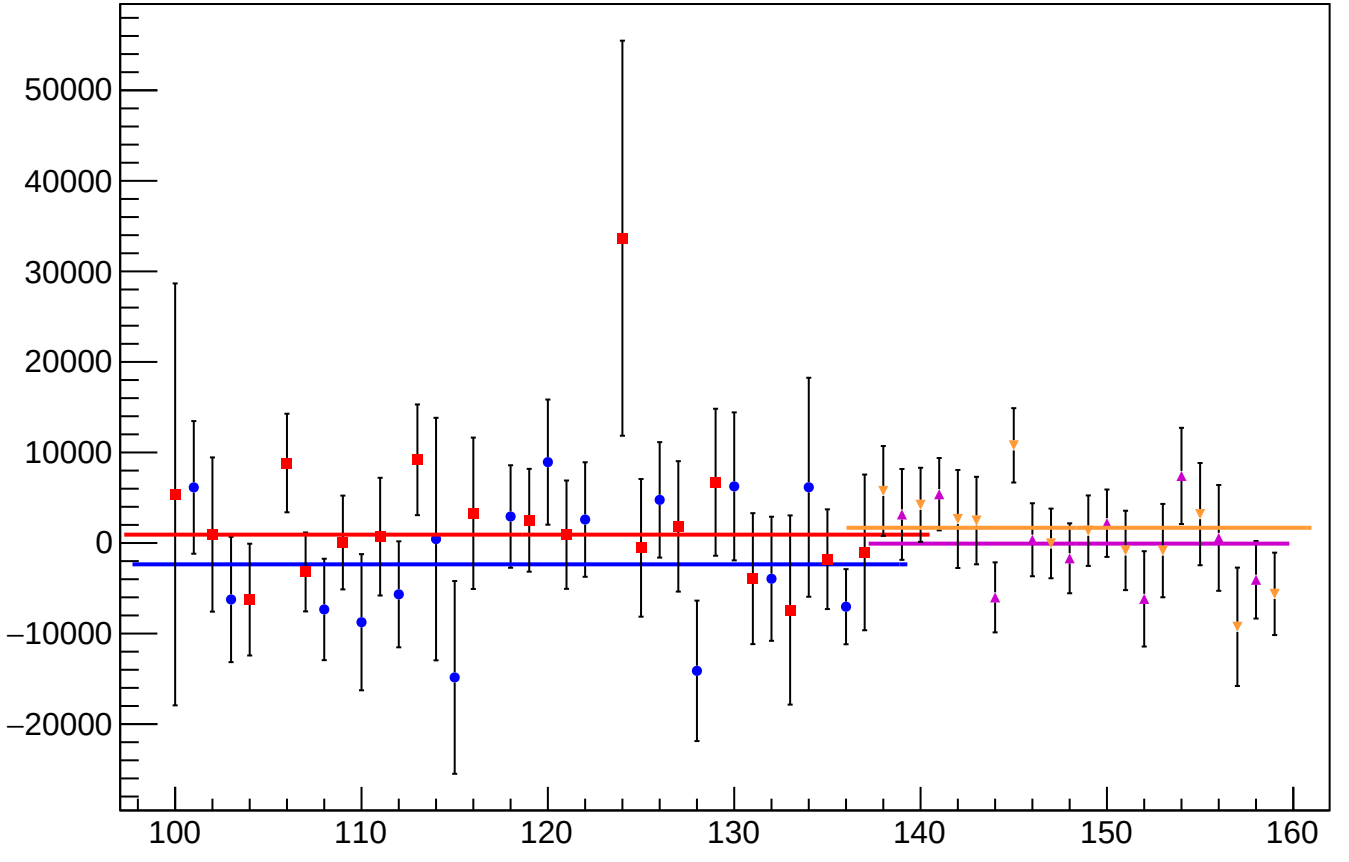
Left In: 3817.492+/-0.928 χ^2/NDF:445003.9/9

+ sign 3906.127+/-0.690 χ^2/NDF: 1227742.6/27

All: 2234.820+/-0.356 χ^2/NDF: 26194076.1/5

- sign 1626.957+/-0.416 χ^2/NDF: 16969618.5/28

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

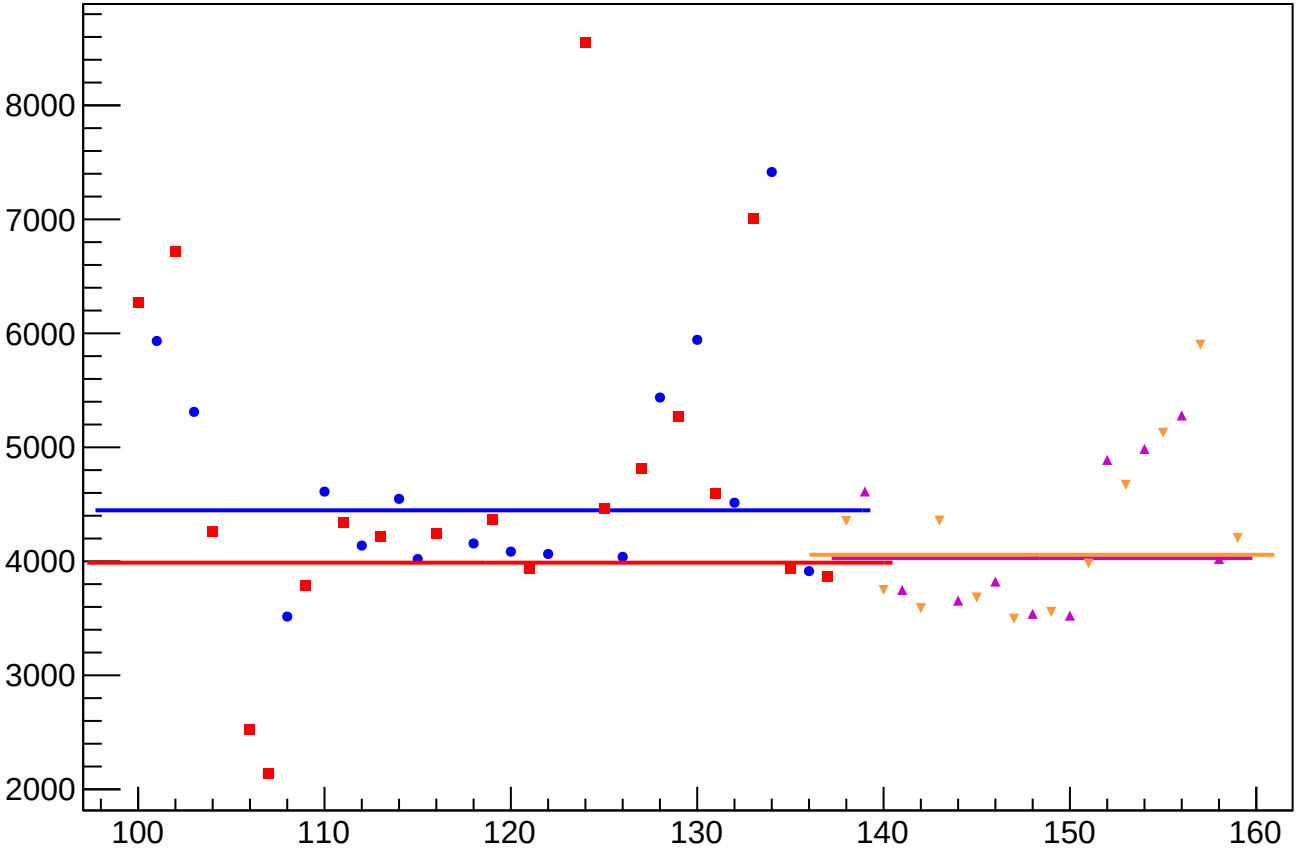
Left In: -69.050+/-1379.880 χ^2/NDF:9.4/9

\+ sign 127.795+/-1045.295 χ^2/NDF: 31.3/27

All: 251.420+/-733.568 χ^2/NDF: 51.6/56

\- sign 371.390+/-1029.725 χ^2/NDF: 20.2/28

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

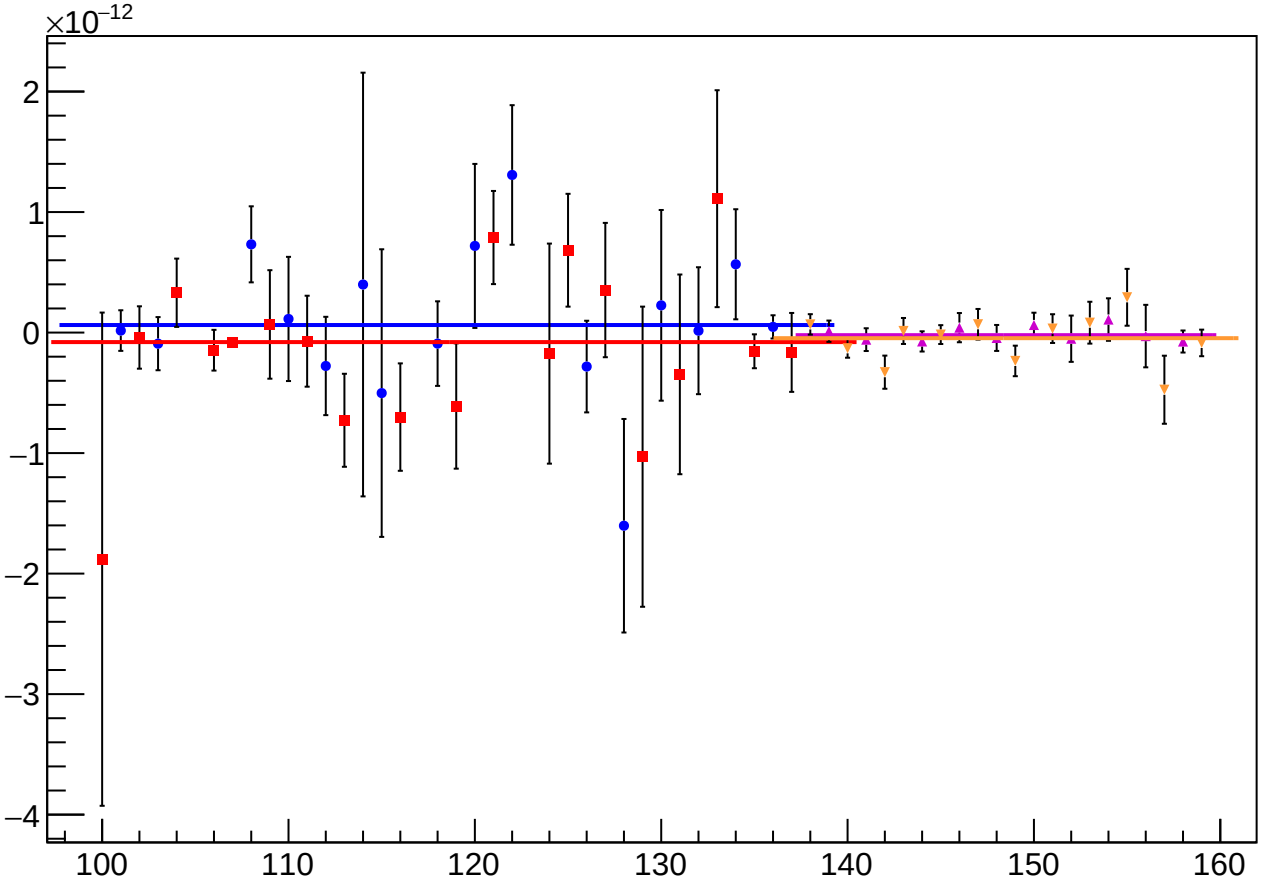
Left In: 4028.616+/-0.976 χ^2/NDF:339677.3/9

+ sign 4207.532+/-0.739 χ^2/NDF: 919546.6/27

All: 4107.115+/-0.518 χ^2/NDF: 2440133.1/56

- sign 4010.529+/-0.725 χ^2/NDF: 1484376.5/28

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

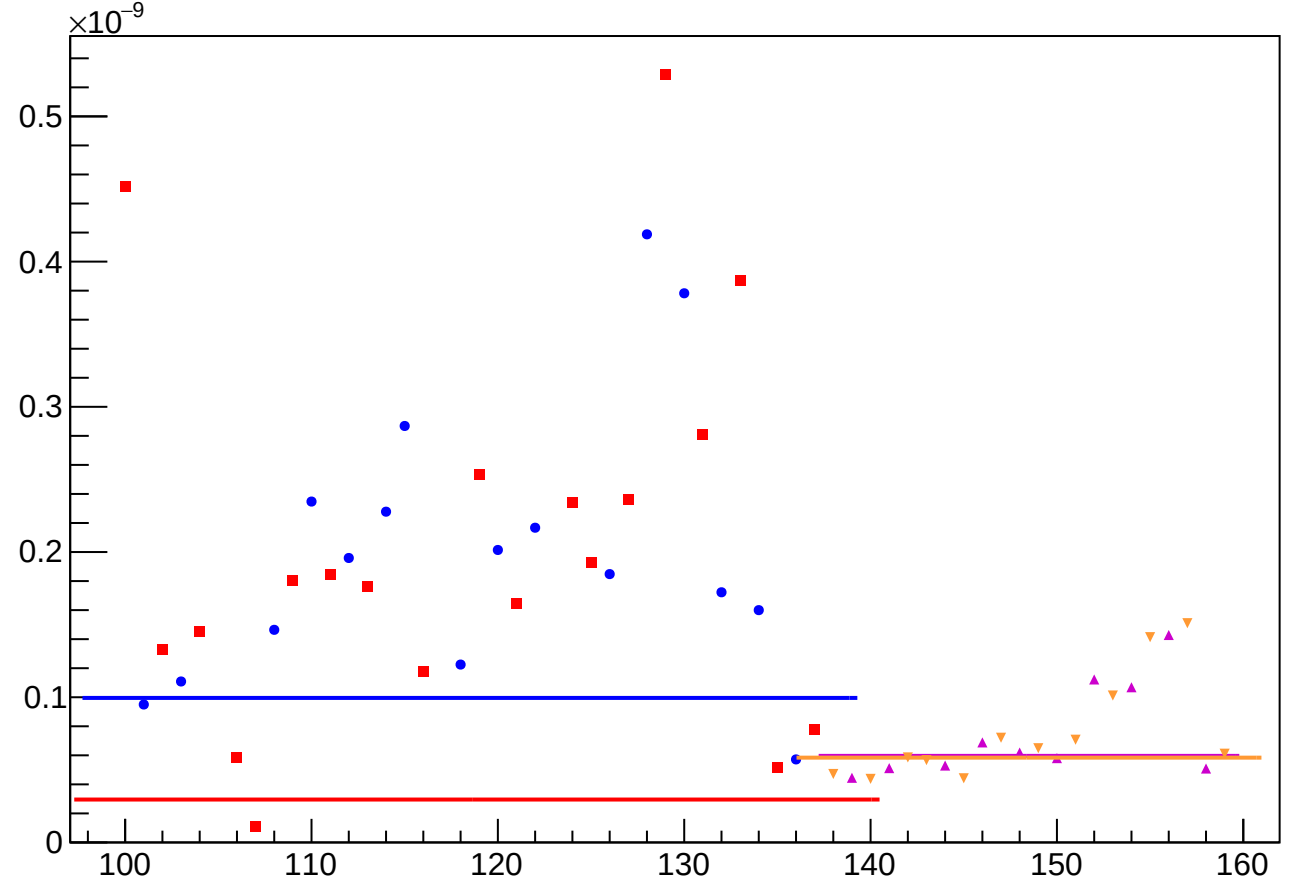
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/27

All: -0.000+/-0.000 χ^2/NDF: 60.2/56

- sign -0.000+/-0.000 χ^2/NDF: 24.1/28



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

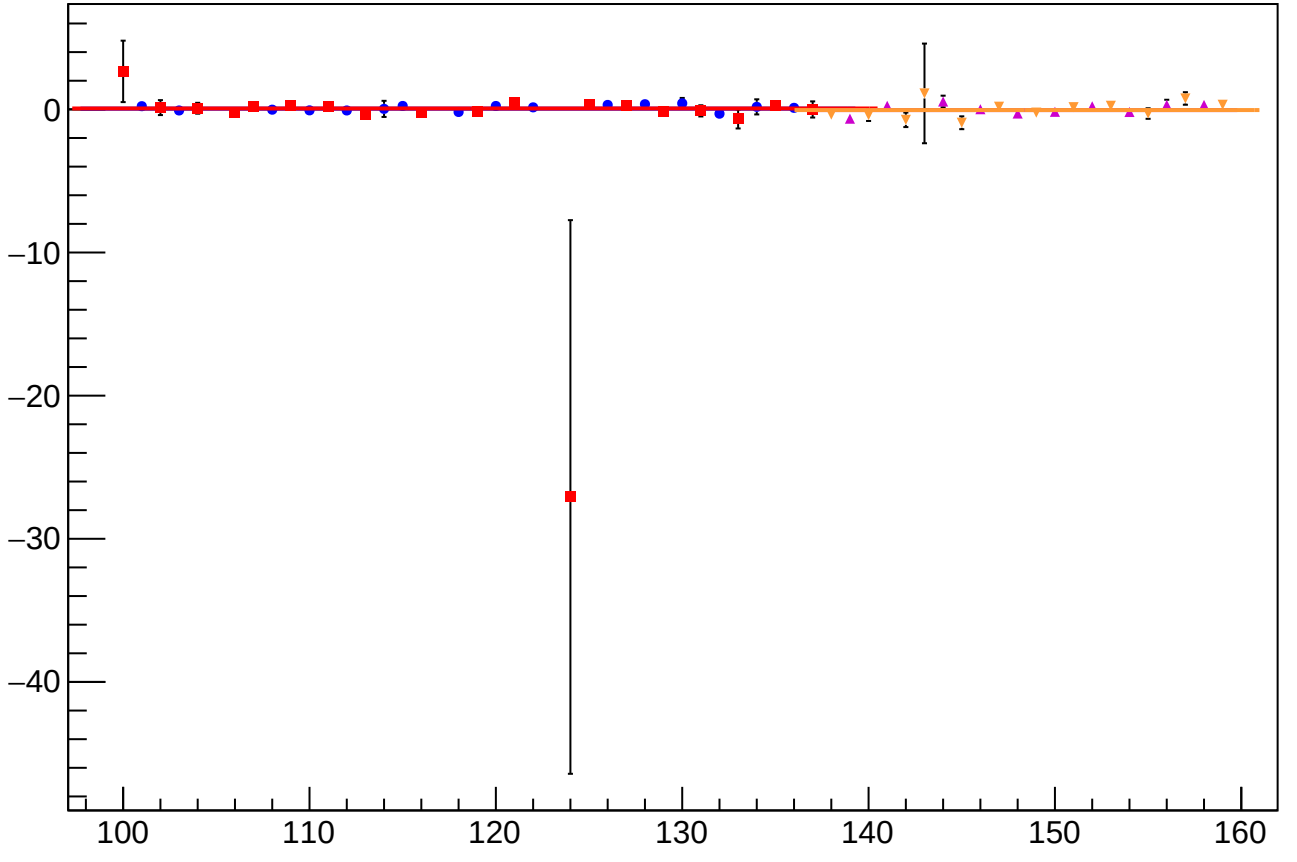
Left In: 0.000+/-0.000 χ^2/NDF:618103.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 2963429.3/27

All: 0.000+/-0.000 χ^2/NDF: 9405327.6/56

- sign 0.000+/-0.000 χ^2/NDF: 5762088.7/28

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

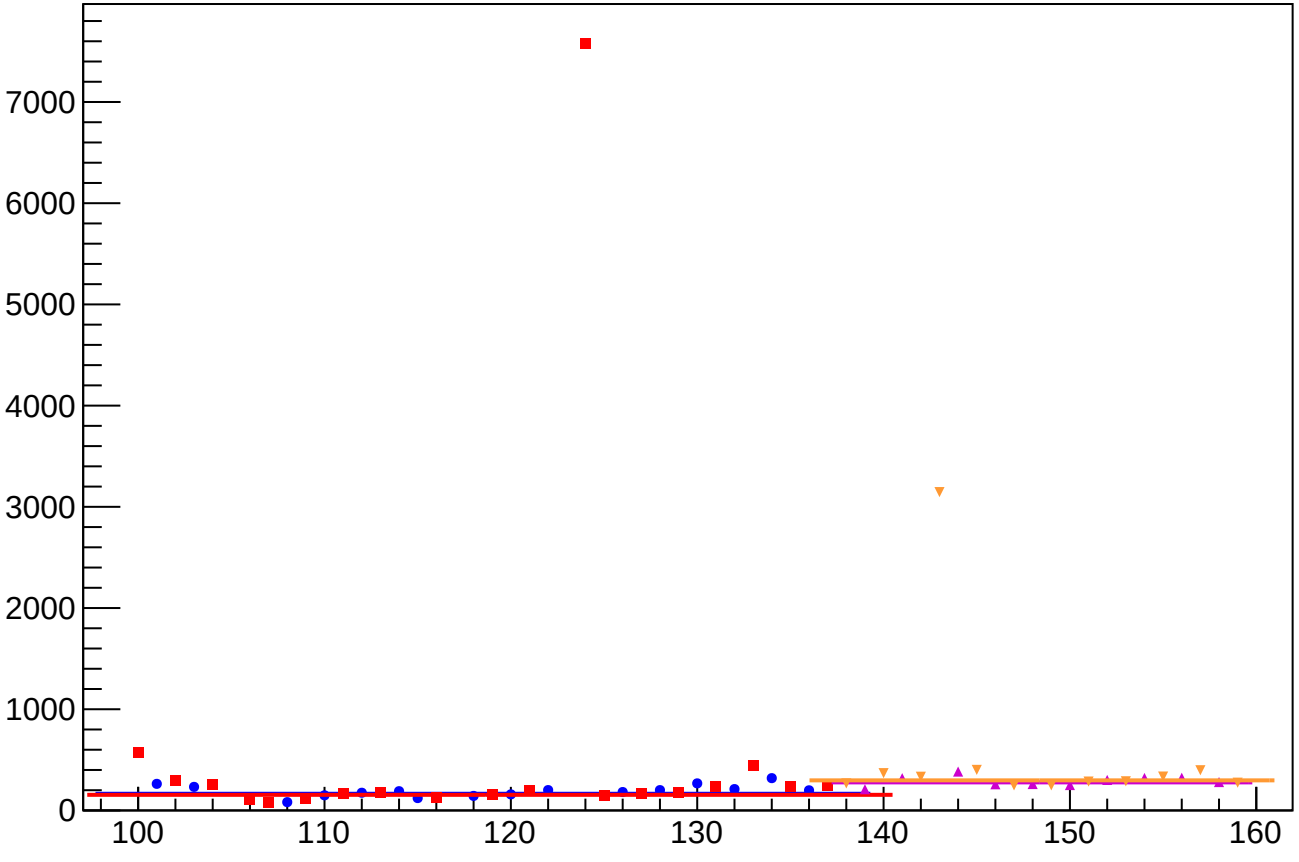
Left In: -0.049+/-0.096 χ^2/NDF:13.5/9

+ sign 0.019+/-0.056 χ^2/NDF: 23.8/27

All: 0.023+/-0.039 χ^2/NDF: 56.5/56

- sign 0.027+/-0.053 χ^2/NDF: 32.8/28

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

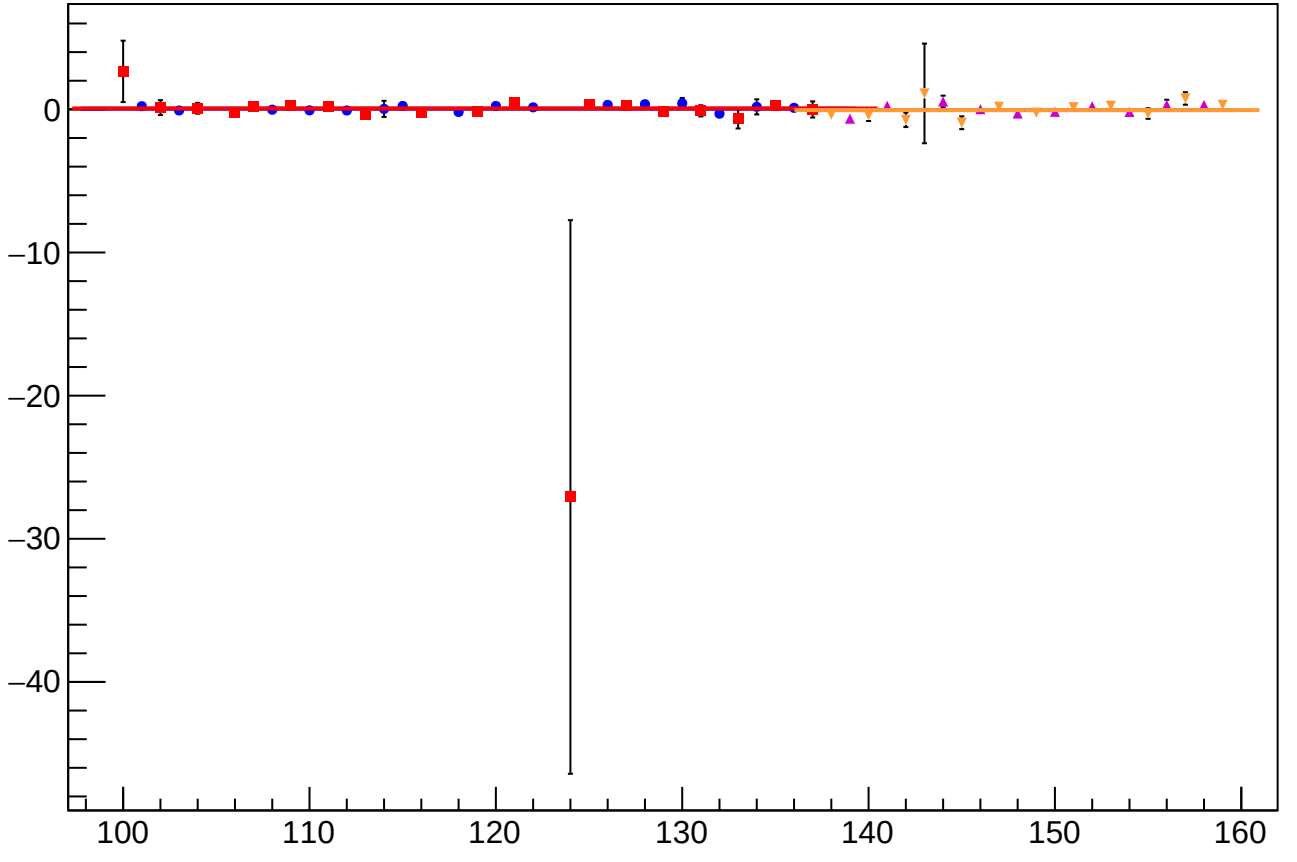
Left In: 277.296+/-0.068 χ^2/NDF:441459.9/9

+ sign 204.338+/-0.039 χ^2/NDF: 5655046.9/27

All: 198.196+/-0.027 χ^2/NDF: 10324589.3/56

- sign 192.520+/-0.038 χ^2/NDF: 4622653.4/28

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

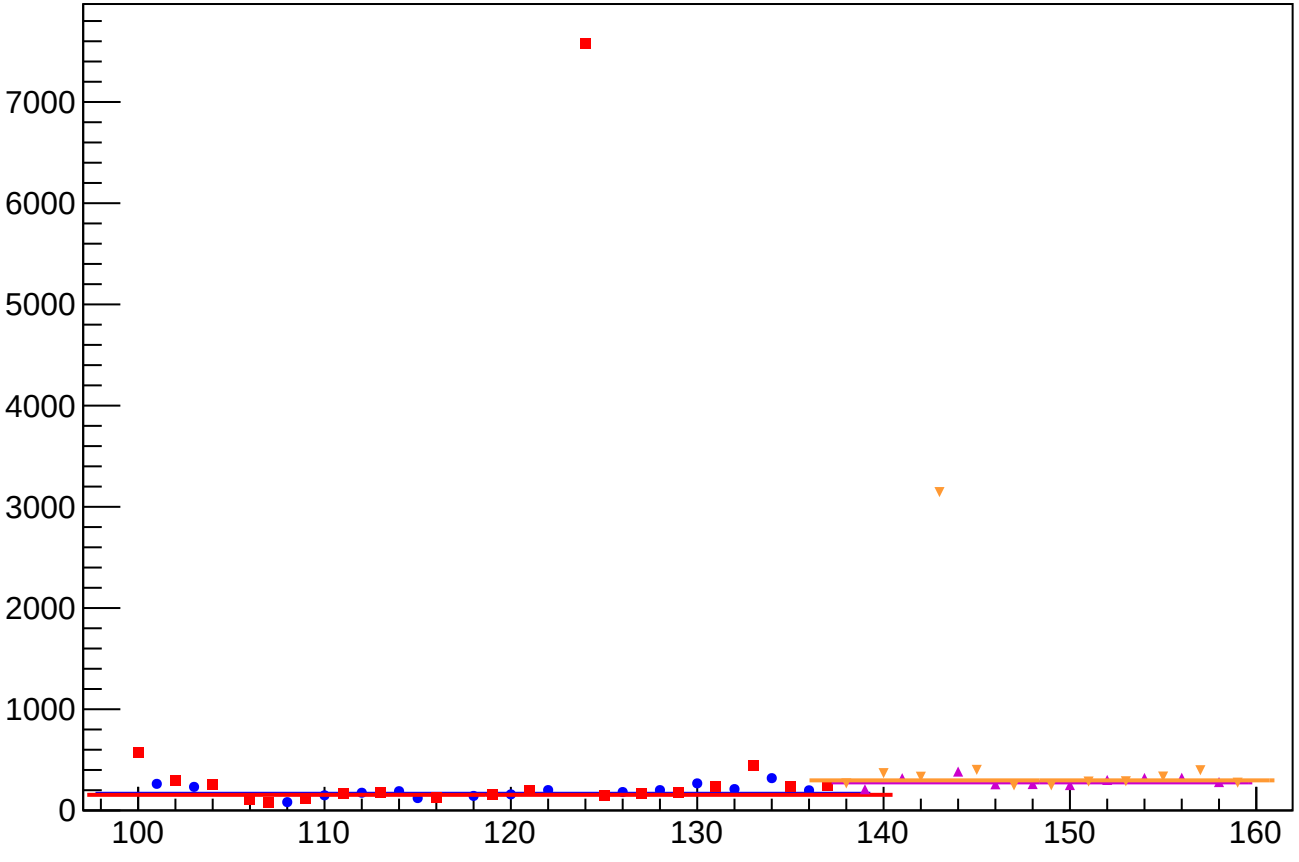
Left In: -0.049+/-0.096 χ^2/NDF:13.5/9

+ sign 0.019+/-0.056 χ^2/NDF: 23.8/27

All: 0.023+/-0.039 χ^2/NDF: 56.5/56

- sign 0.027+/-0.053 χ^2/NDF: 32.8/28

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

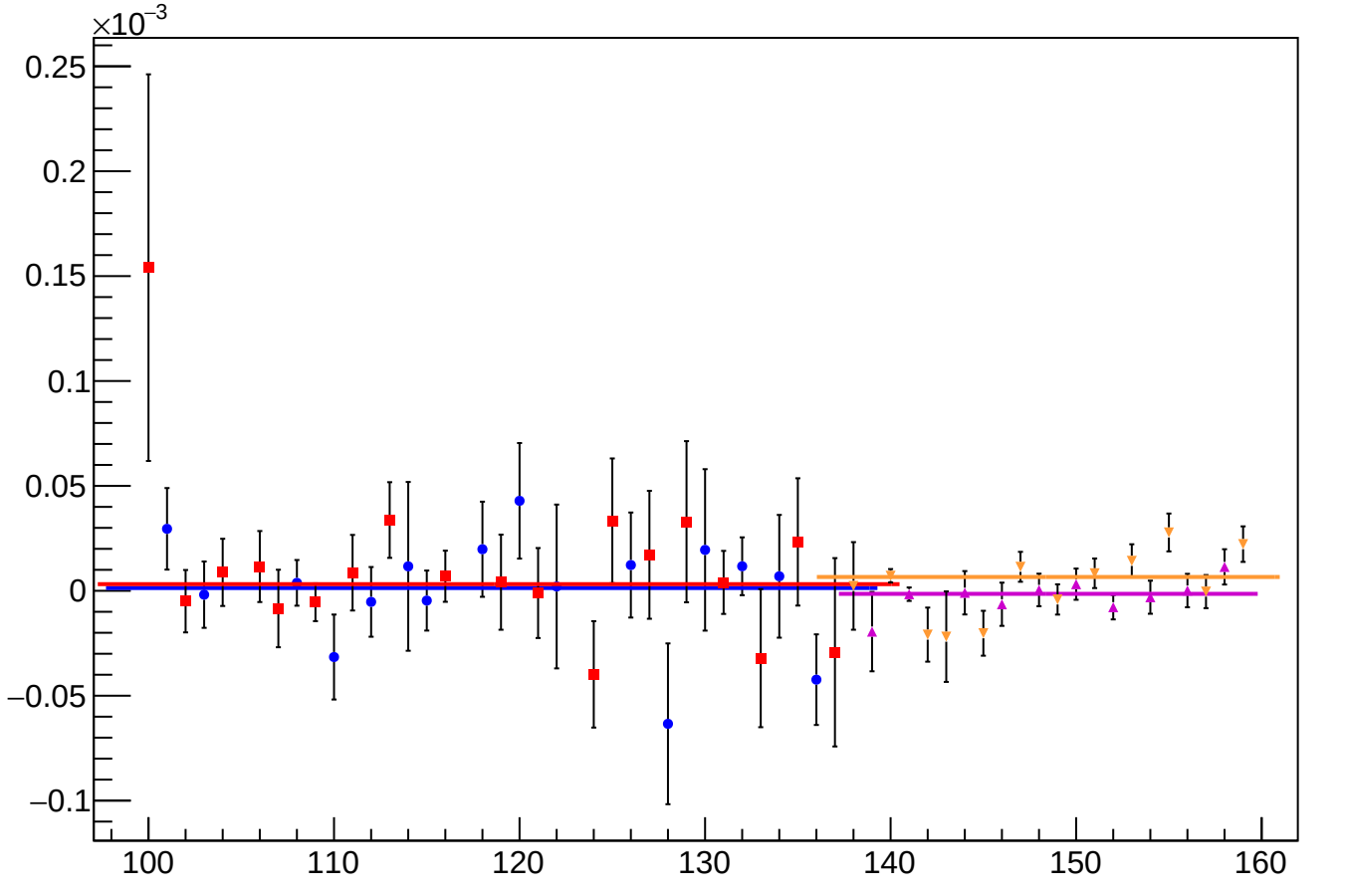
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 277.296+/-0.068 χ^2/NDF:441459.9/9

+ sign 204.338+/-0.039 χ^2/NDF: 5655046.9/27

All: 198.196+/-0.027 χ^2/NDF: 10324589.3/56

- sign 192.520+/-0.038 χ^2/NDF: 4622653.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/11

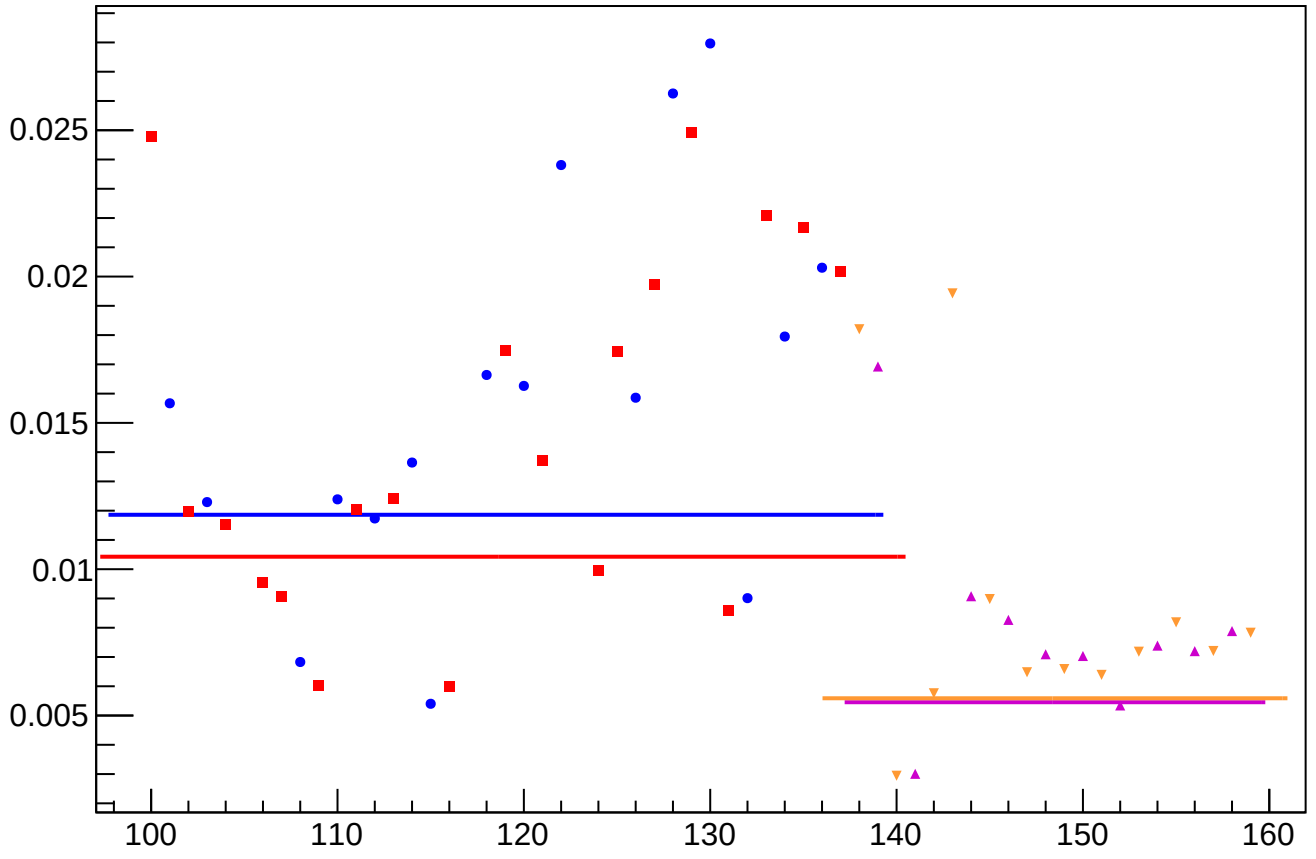
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/27

All: 0.000+/-0.000 χ^2/NDF: 69.5/56

- sign -0.000+/-0.000 χ^2/NDF: 20.7/28



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

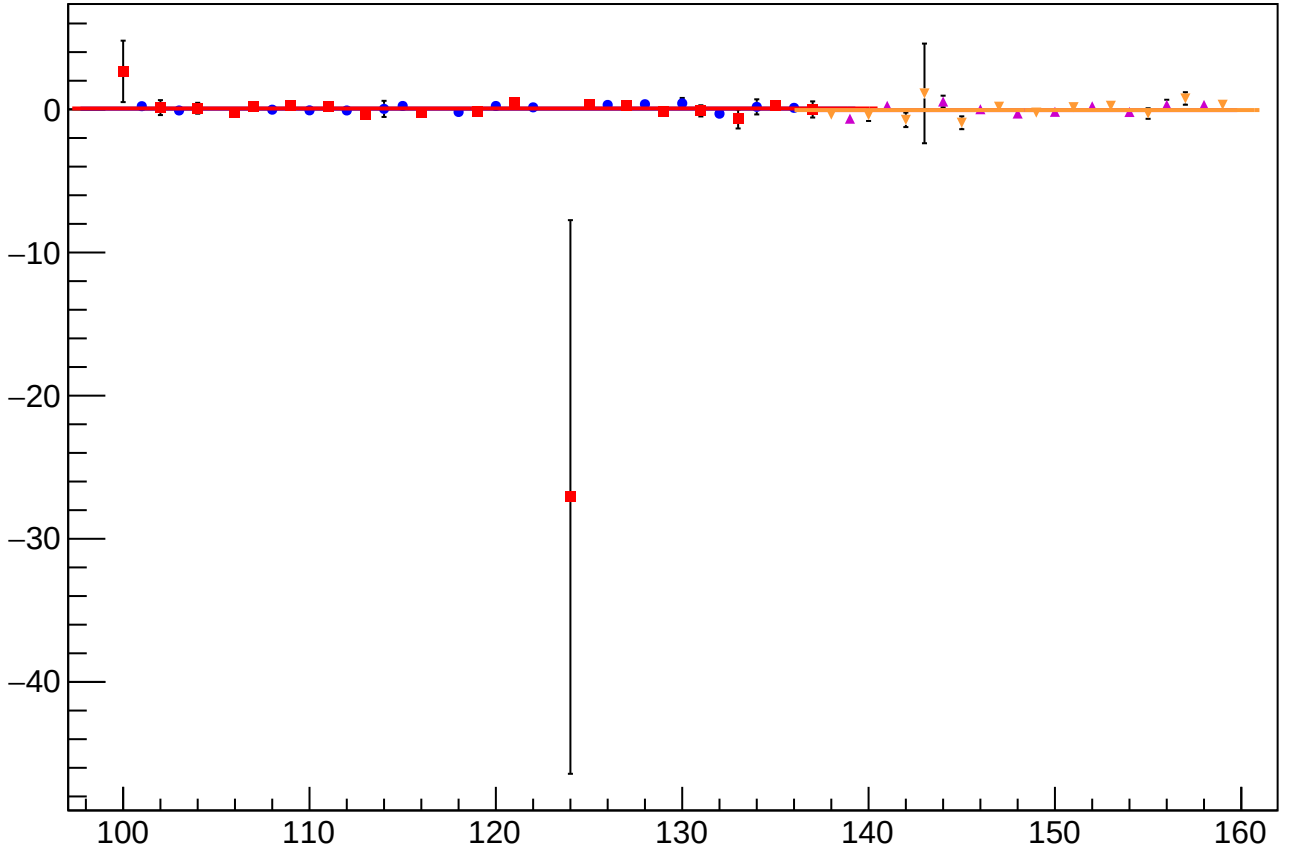
Left In: 0.005+/-0.000 χ^2/NDF:2859927.7/9

+ sign 0.007+/-0.000 χ^2/NDF: 8889489.0/27

All: 0.006+/-0.000 χ^2/NDF: 16323501.3/56

- sign 0.006+/-0.000 χ^2/NDF: 7429923.3/28

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

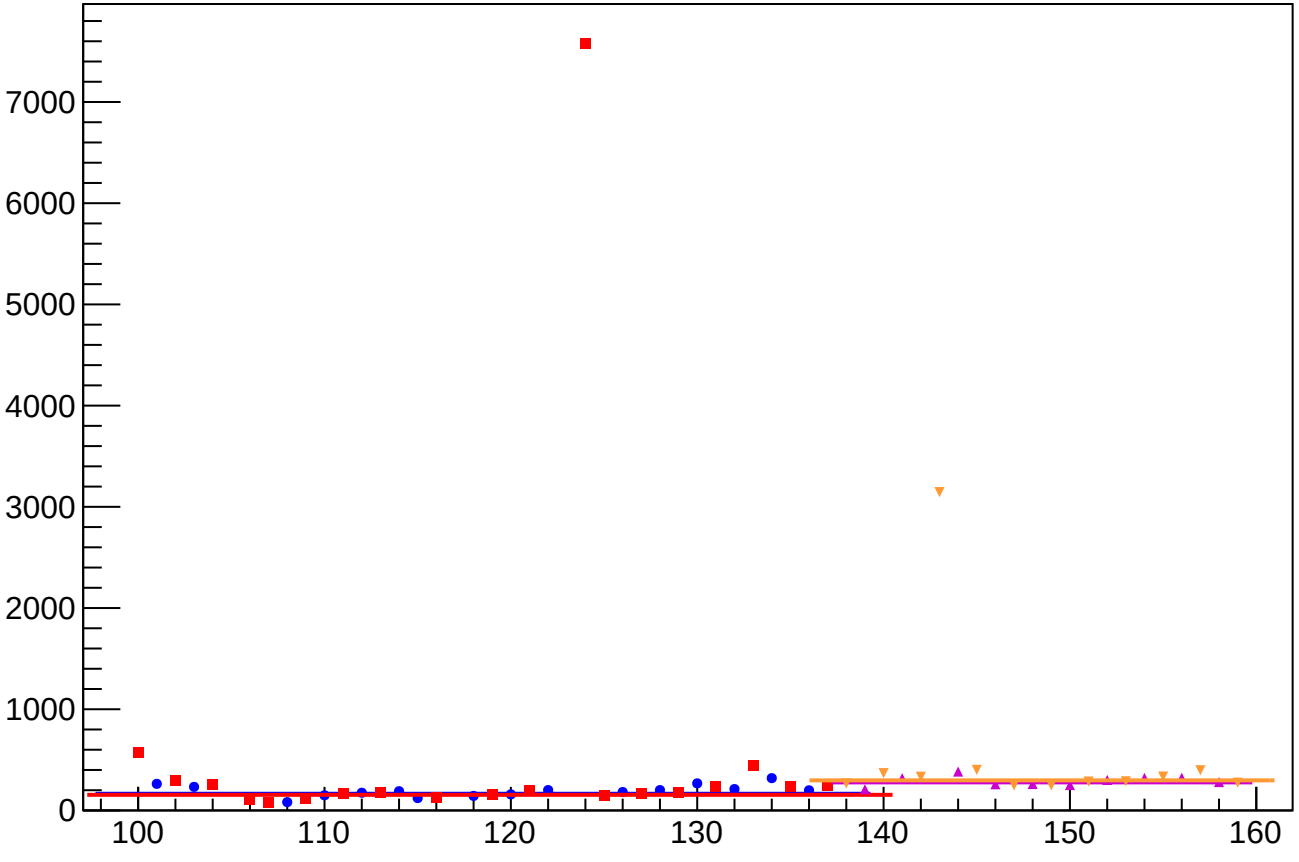
Left In: -0.049+/-0.096 χ^2/NDF:13.5/9

+ sign 0.019+/-0.056 χ^2/NDF: 23.8/27

All: 0.023+/-0.039 χ^2/NDF: 56.5/56

- sign 0.027+/-0.053 χ^2/NDF: 32.8/28

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

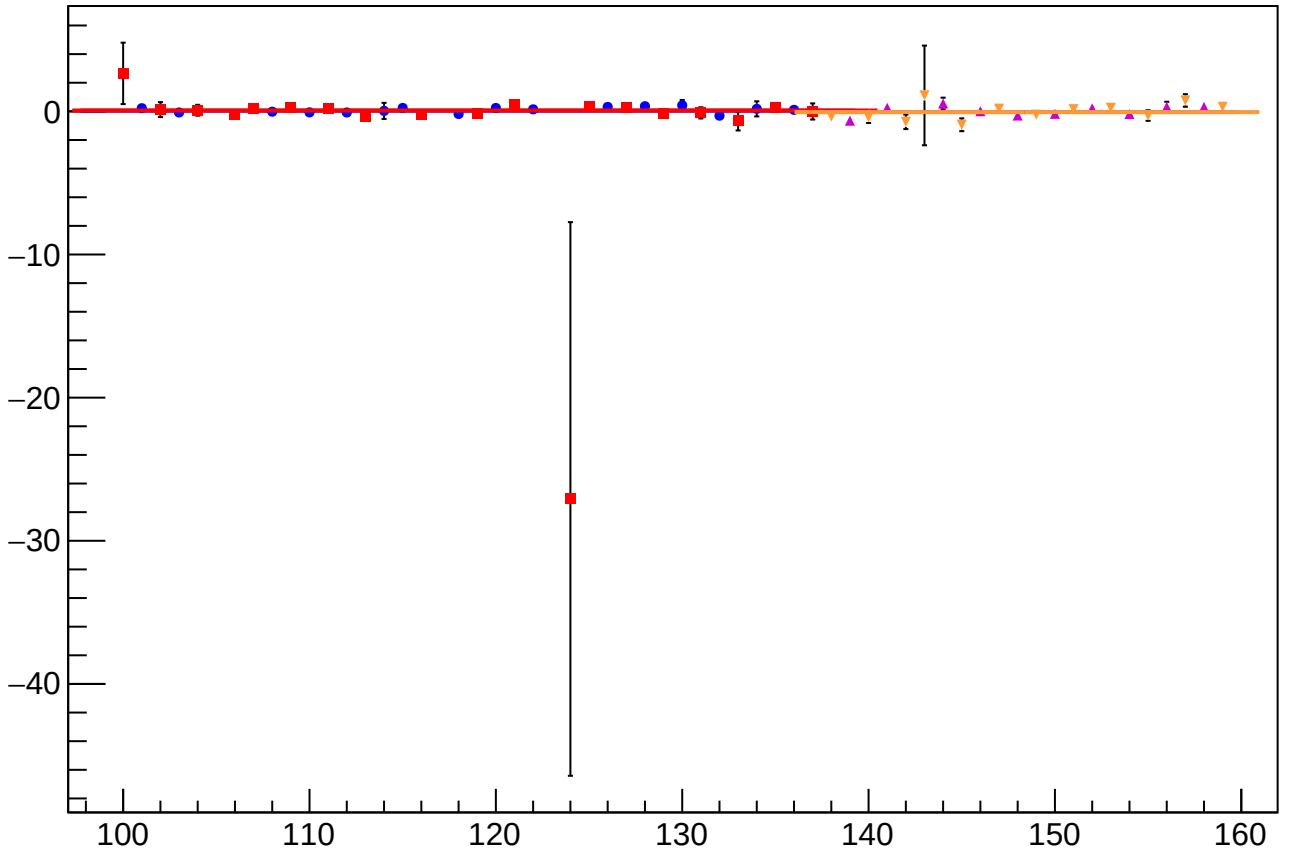
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 277.299+/-0.068 χ^2/NDF:441430.8/9

+ sign 204.338+/-0.039 χ^2/NDF: 5655097.6/27

All: 198.196+/-0.027 χ^2/NDF: 10324736.6/56

- sign 192.520+/-0.038 χ^2/NDF: 4622750.5/28



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.049+/-0.102 χ^2/NDF:15.5/11

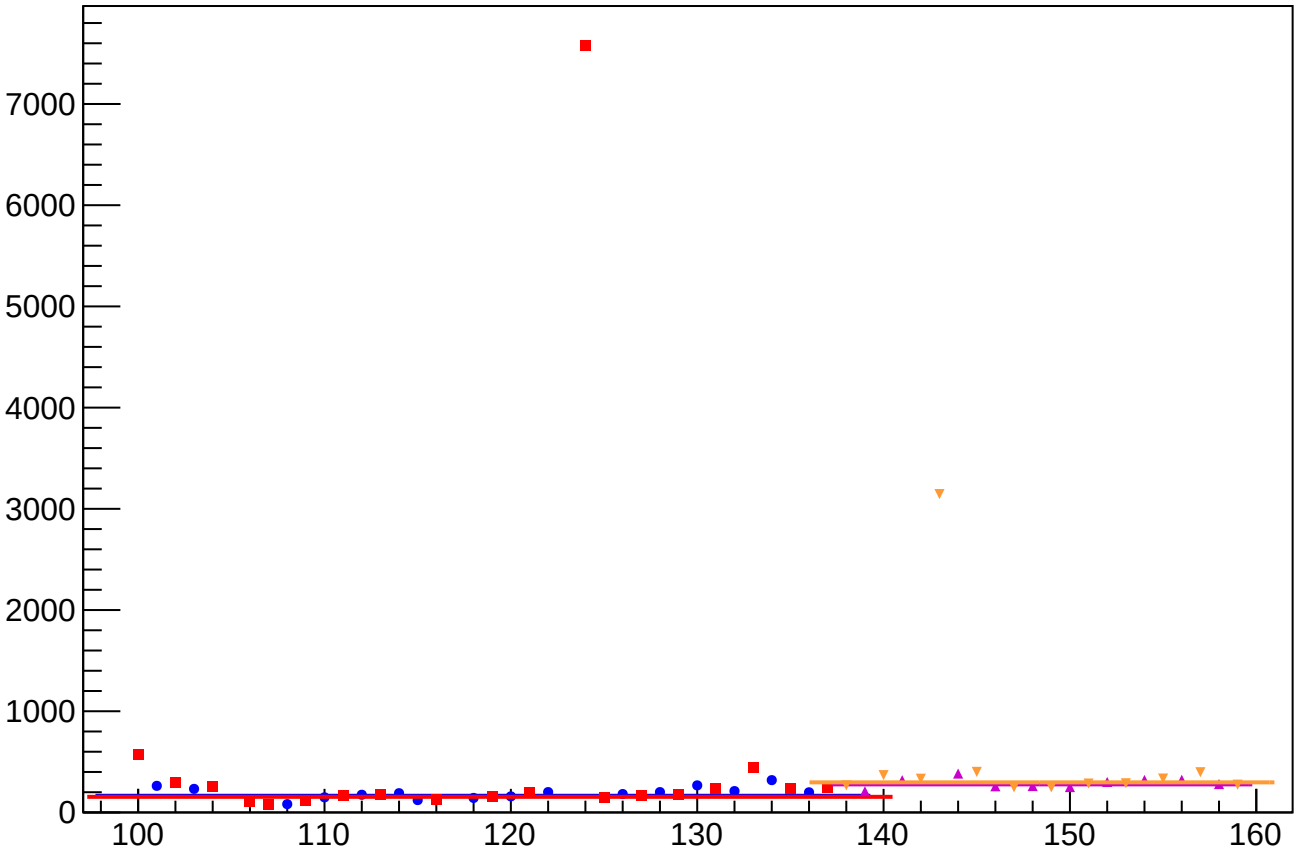
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.049+/-0.096 χ^2/NDF:13.5/9

+ sign 0.019+/-0.056 χ^2/NDF: 23.8/27

All: 0.023+/-0.039 χ^2/NDF: 56.5/56

- sign 0.027+/-0.053 χ^2/NDF: 32.8/28



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 297.389+/-0.072 χ^2/NDF:1807654.8/11

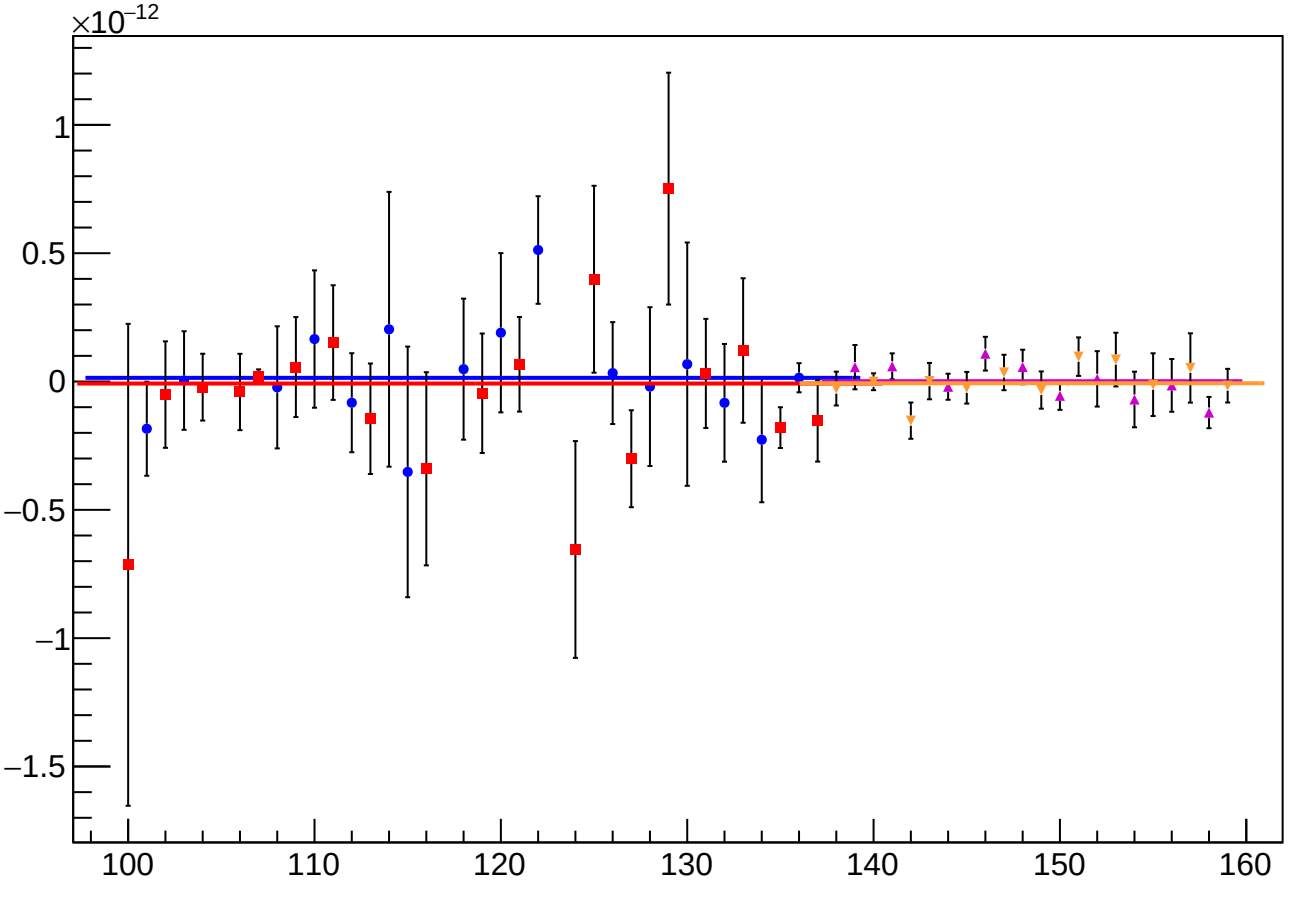
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 277.299+/-0.068 χ^2/NDF:441430.8/9

+ sign 204.338+/-0.039 χ^2/NDF: 5655097.6/27

All: 198.196+/-0.027 χ^2/NDF: 10324736.6/56

- sign 192.520+/-0.038 χ^2/NDF: 4622750.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/11

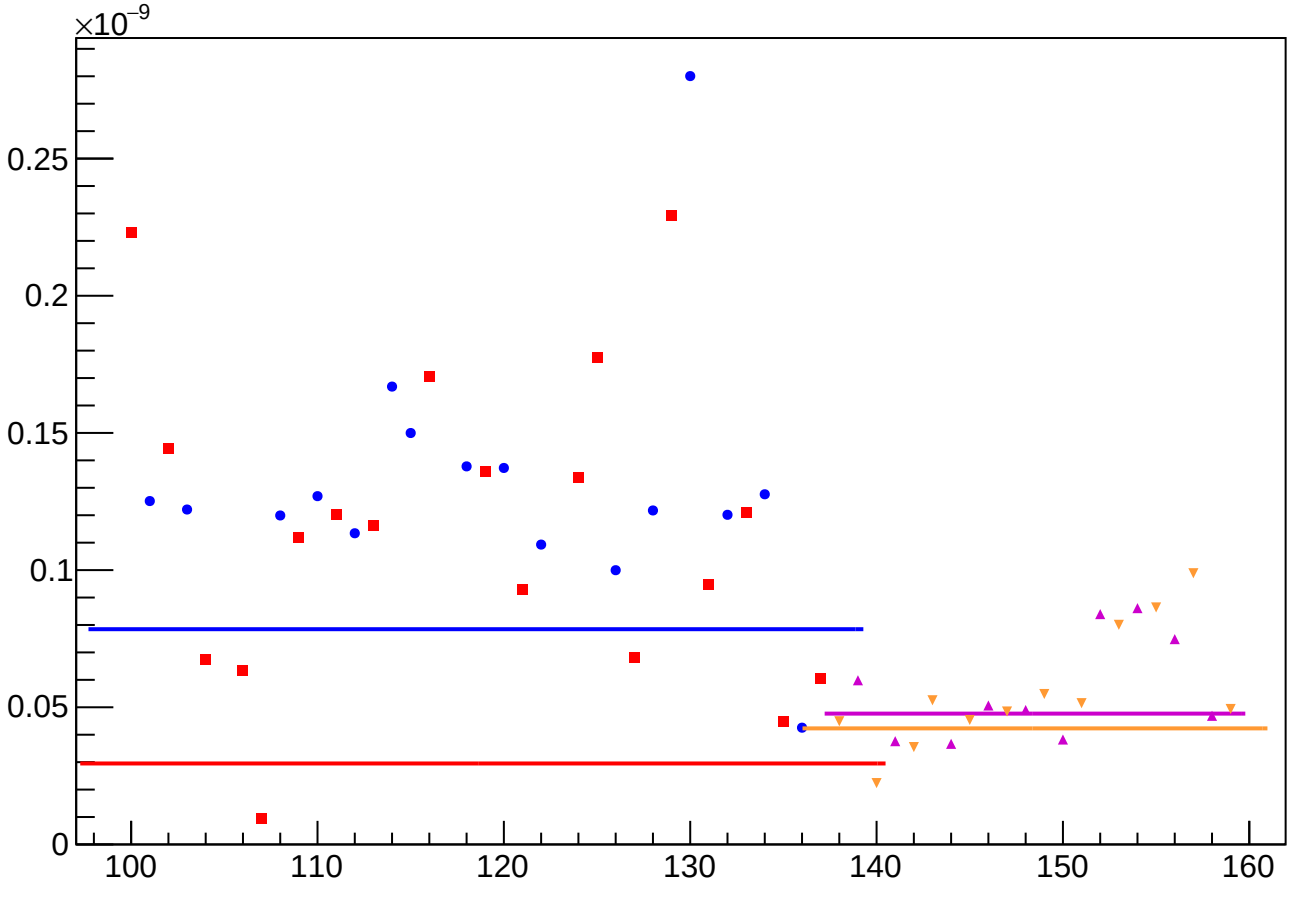
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 17.7/27

All: -0.000+/-0.000 χ^2/NDF: 47.0/56

- sign -0.000+/-0.000 χ^2/NDF: 29.2/28



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

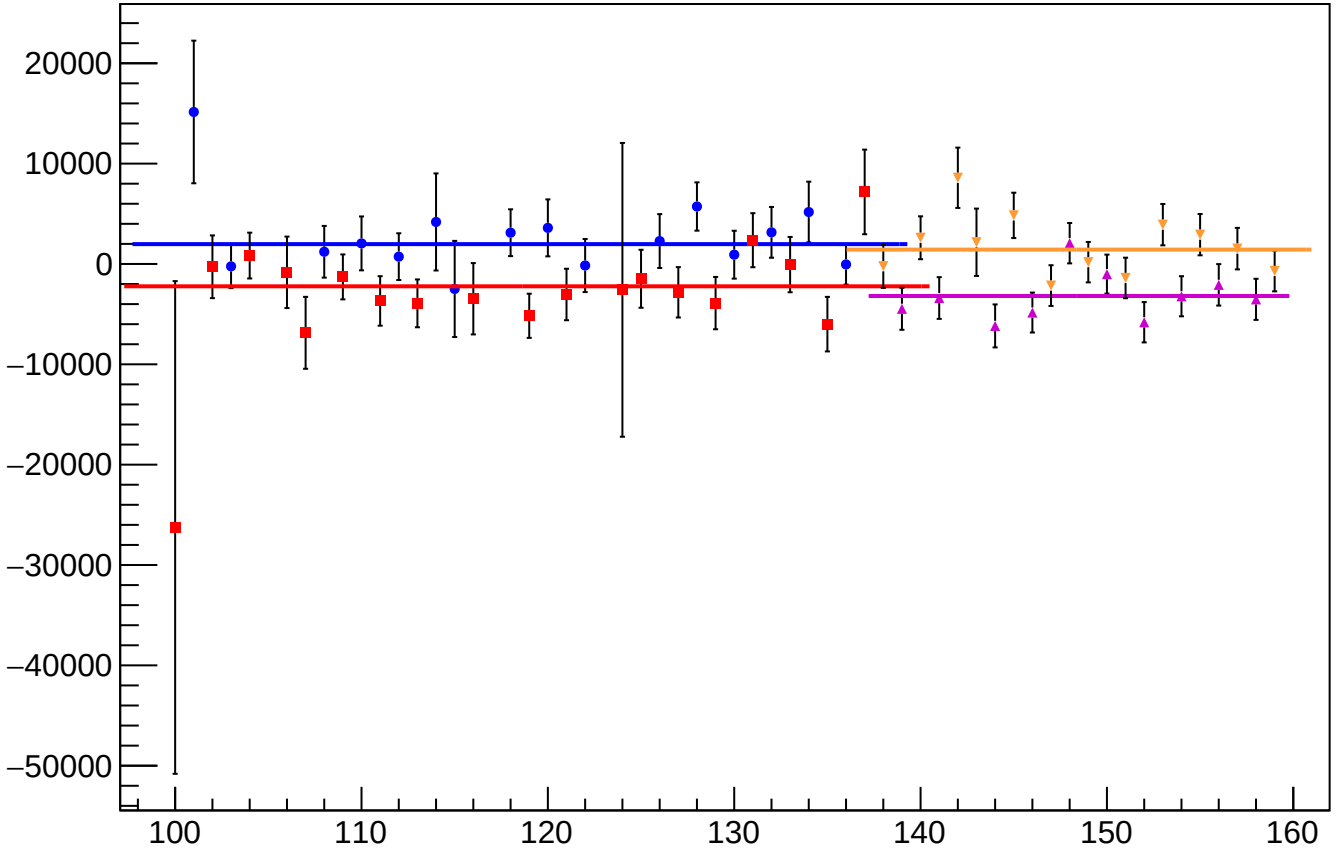
Left In: 0.000+/-0.000 χ^2/NDF:894588.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 5125819.6/27

All: 0.000+/-0.000 χ^2/NDF: 12480568.5/56

- sign 0.000+/-0.000 χ^2/NDF: 7060252.5/28

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

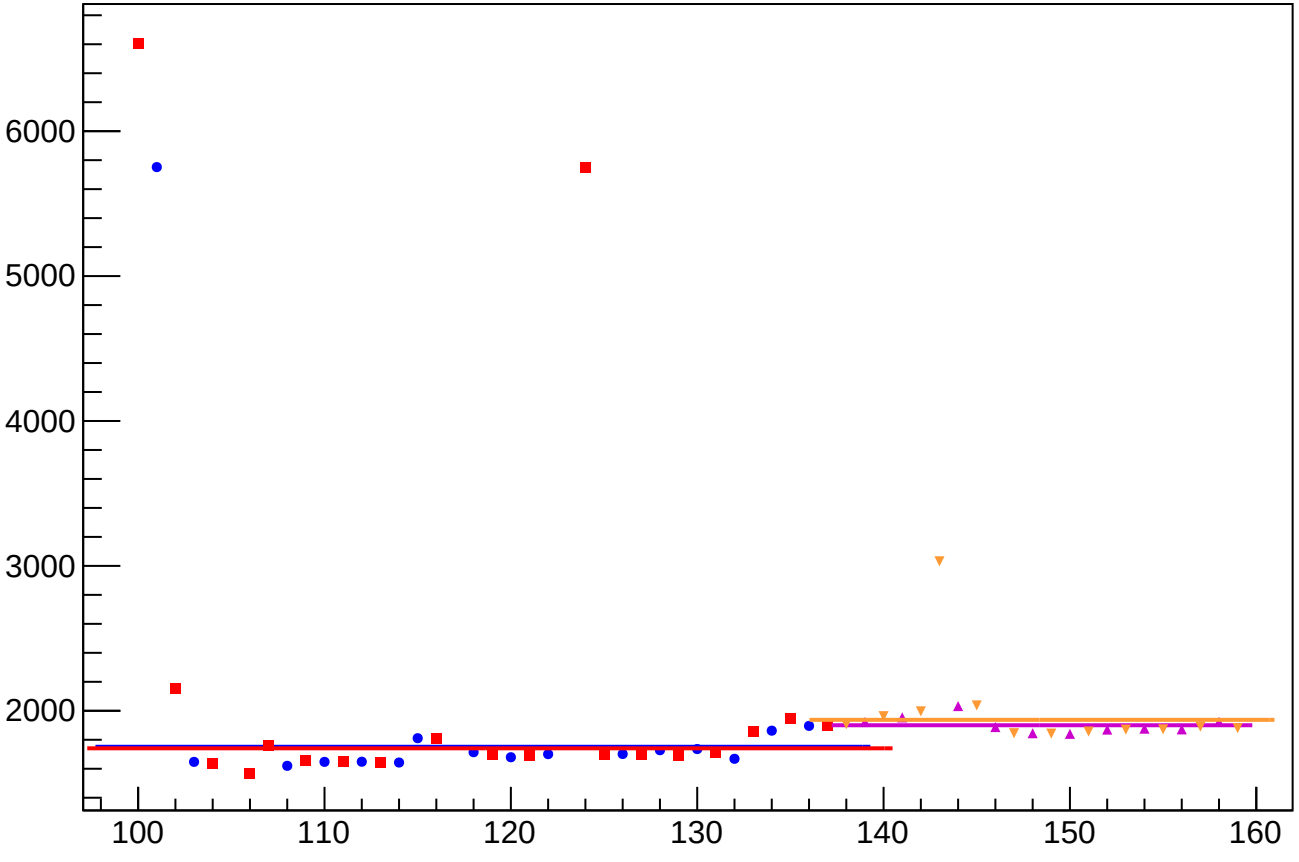
Left In: -3192.802+/-643.617 χ^2/NDF:13.1/9

+ sign 1688.362+/-458.596 χ^2/NDF: 29.9/27

All: -510.840+/-324.602 χ^2/NDF: 109.2/56

- sign -2718.907+/-459.520 χ^2/NDF: 33.2/28

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

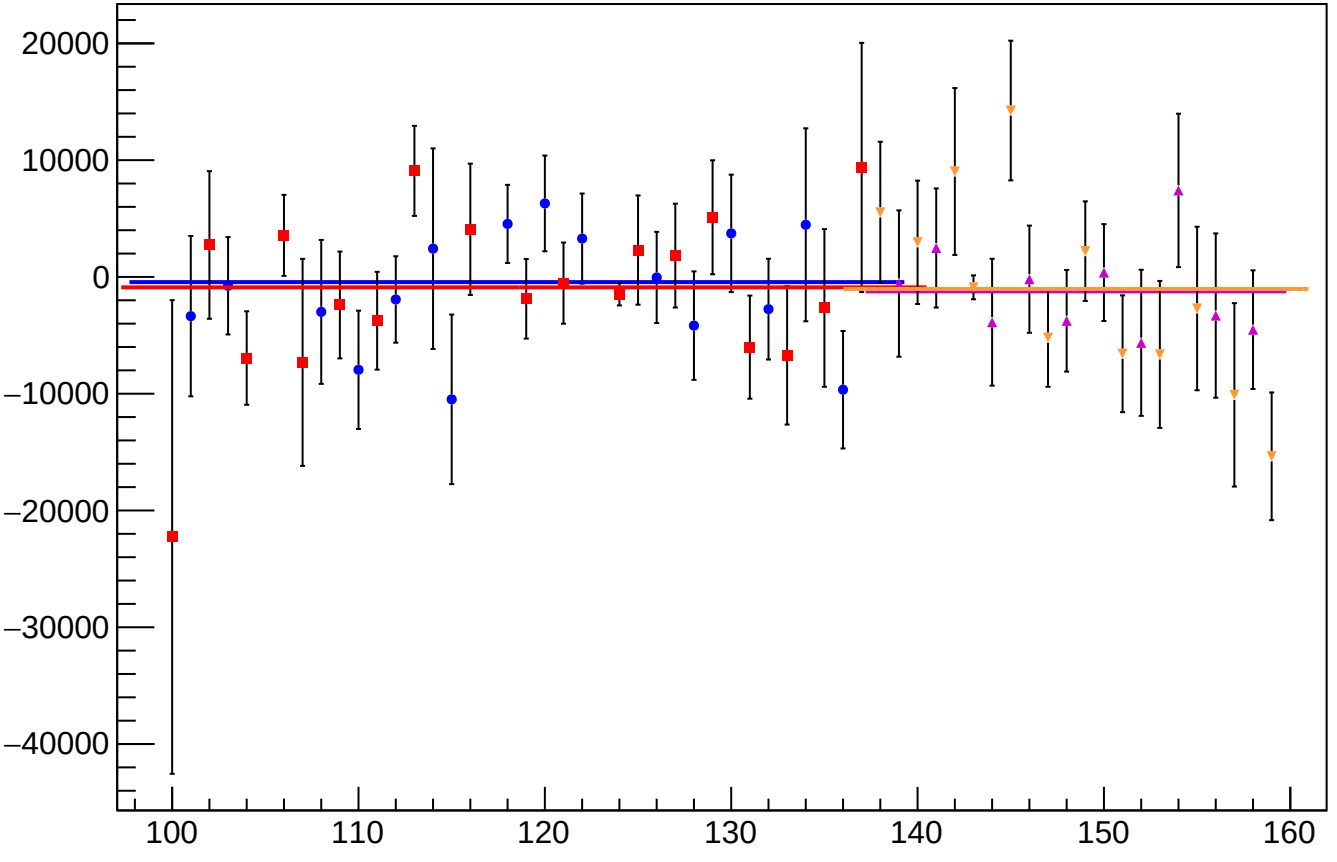
Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

+ sign 1849.857+/-0.324 χ^2/NDF: 989069.6/27

All: 1835.702+/-0.229 χ^2/NDF: 1371981.9/56

- sign 1821.593+/-0.324 χ^2/NDF: 379107.6/28

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

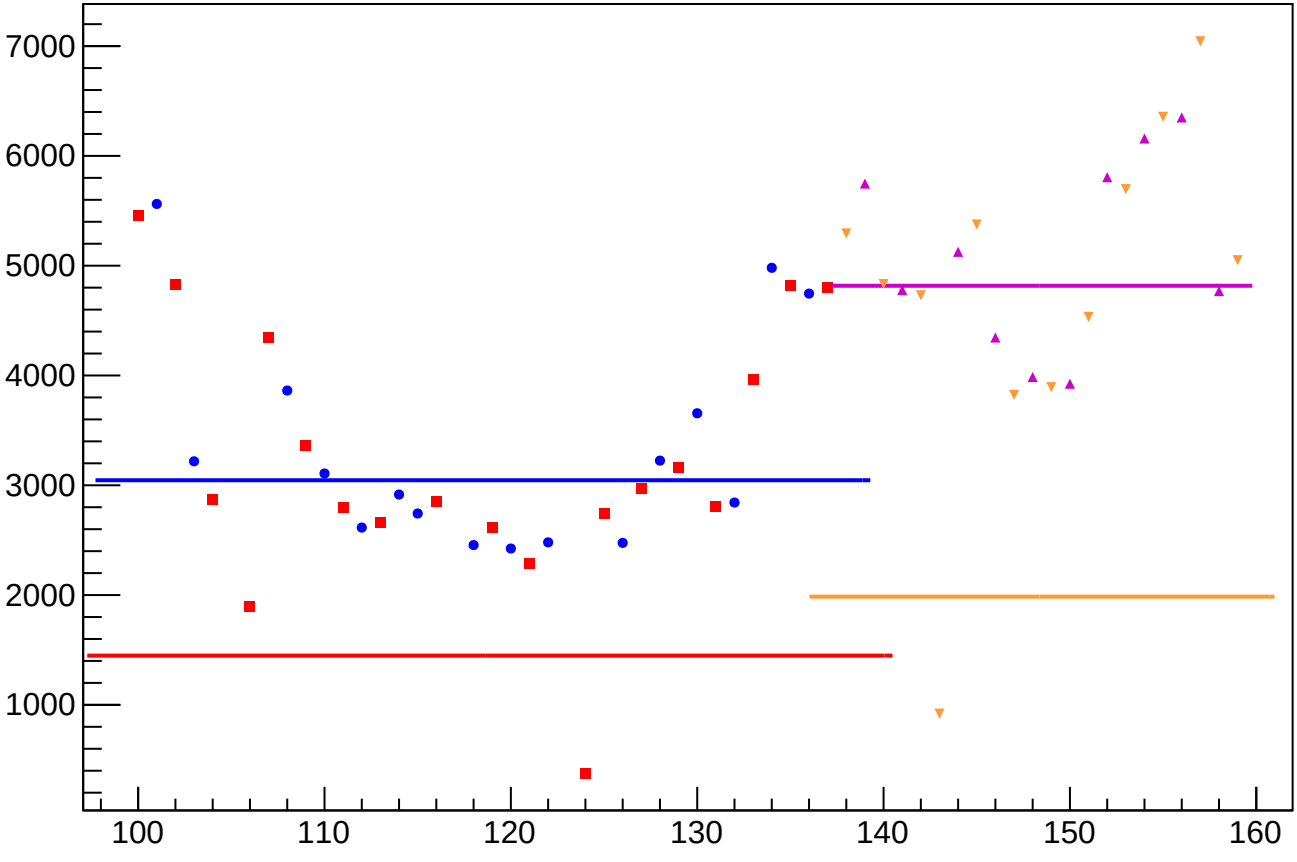
Left In: -1238.132+/-1657.834 χ^2/NDF:4.0/9

+ sign -821.286+/-700.289 χ^2/NDF: 38.2/27

All: -887.861+/-482.152 χ^2/NDF: 62.4/56

- sign -947.863+/-664.825 χ^2/NDF: 24.2/28

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

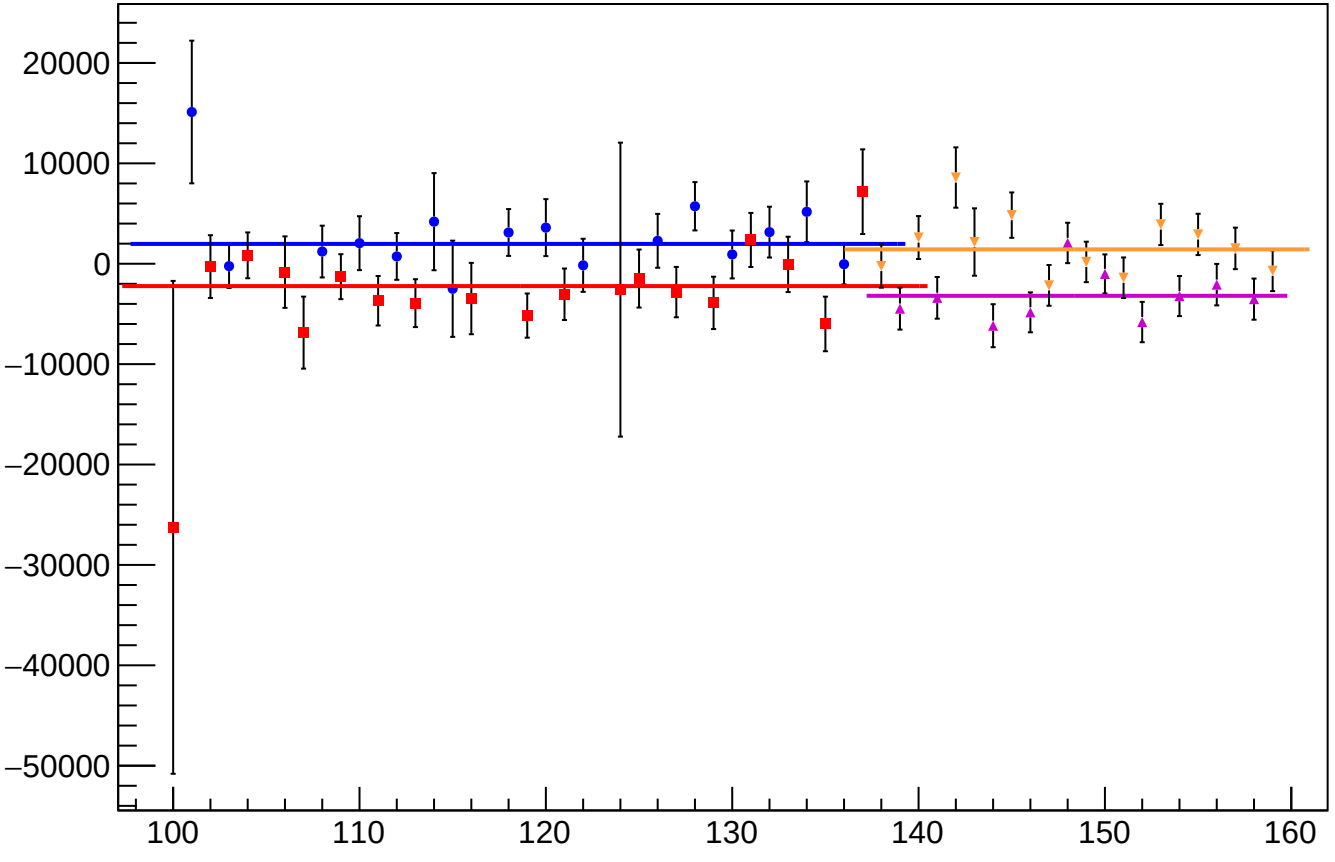
Left In: 4817.360+/-1.172 χ^2/NDF:465839.6/9

+ sign 2362.506+/-0.495 χ^2/NDF: 10479620.6/27

All: 2166.733+/-0.341 χ^2/NDF: 24960079.4/5

- sign 1990.287+/-0.470 χ^2/NDF: 14183274.0/28

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

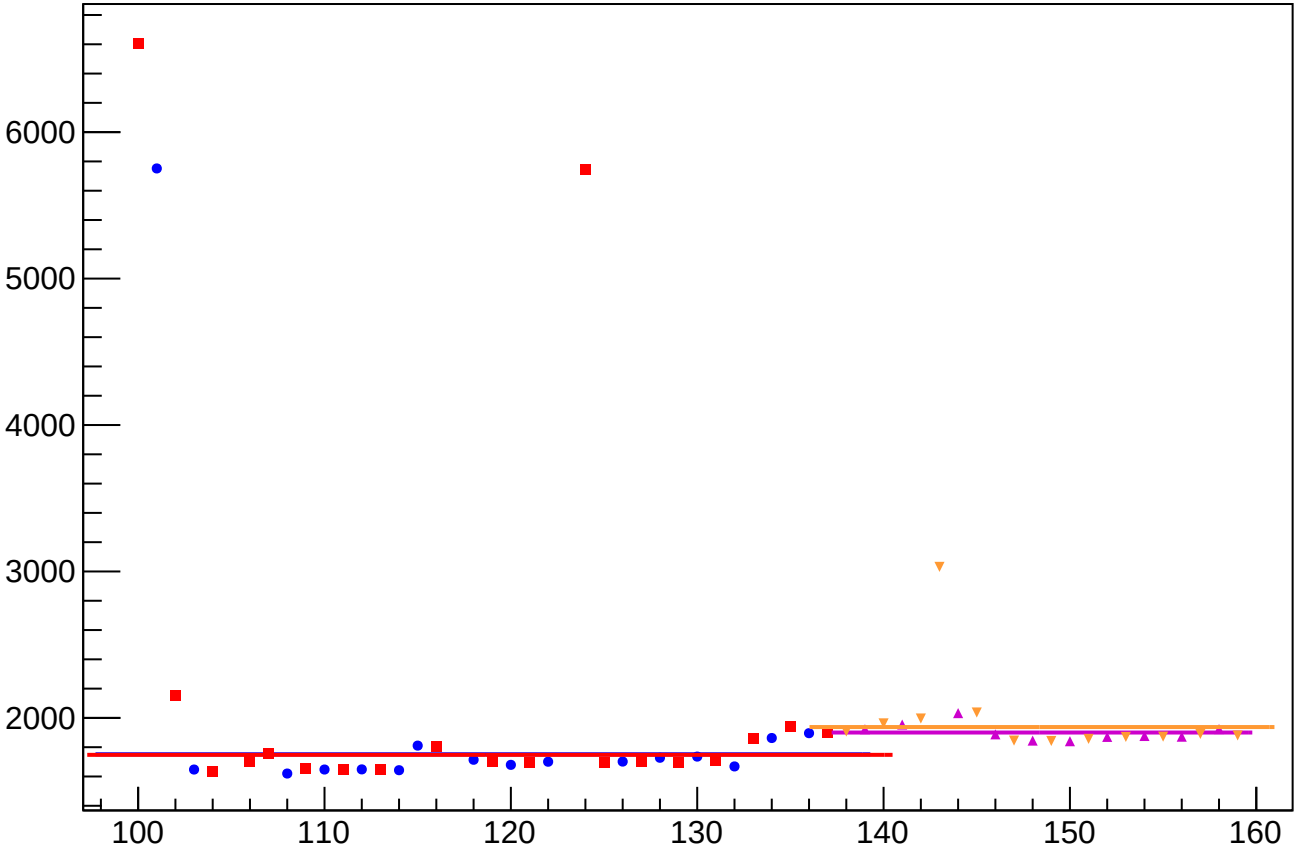
Left In: -3192.923+/-643.617 χ^2/NDF:13.1/9

+ sign 1688.229+/-458.596 χ^2/NDF: 29.9/27

All: -510.961+/-324.603 χ^2/NDF: 109.2/56

- sign -2719.016+/-459.520 χ^2/NDF: 33.2/28

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

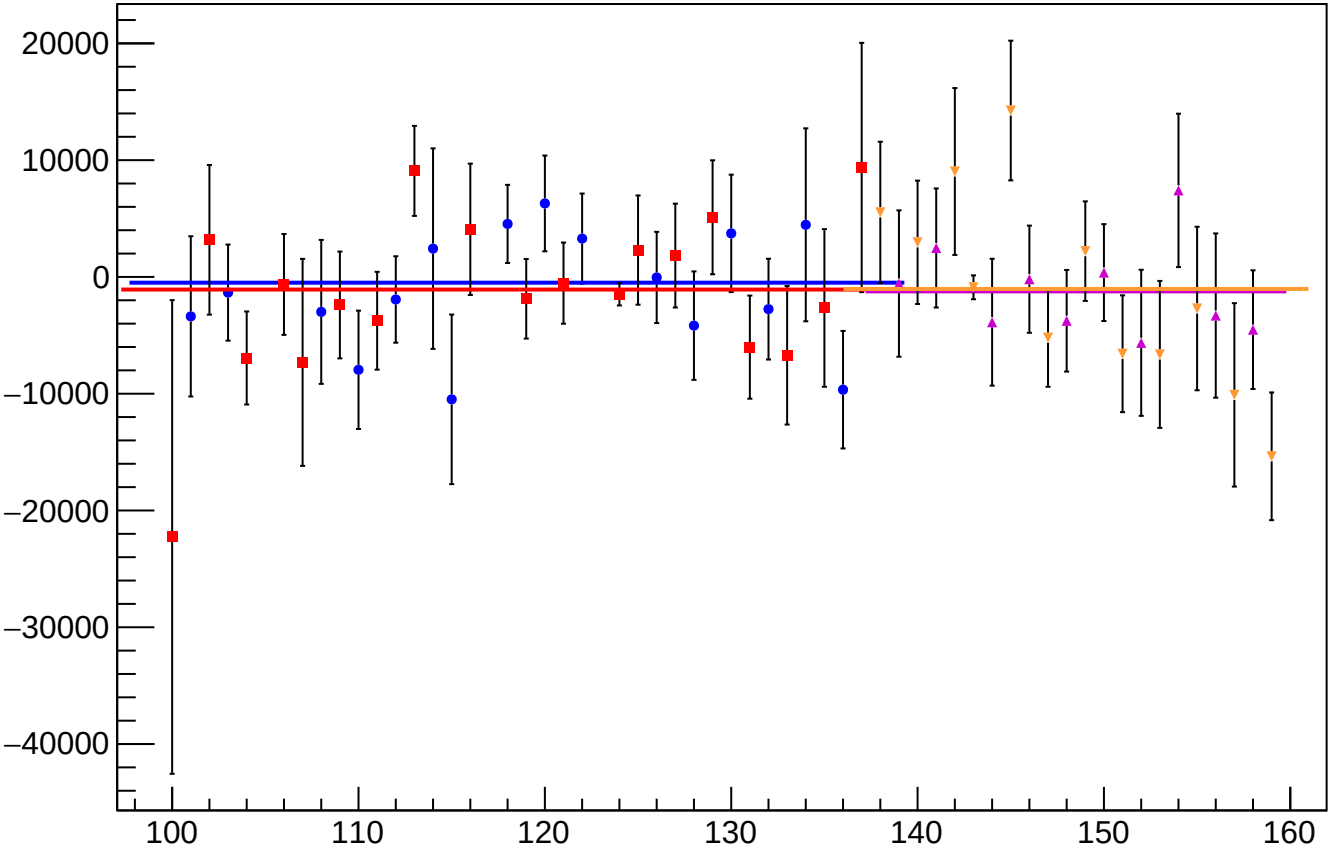
Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

+ sign 1849.857+/-0.324 χ^2/NDF: 989070.1/27

All: 1837.529+/-0.229 χ^2/NDF: 1359124.3/56

- sign 1825.196+/-0.324 χ^2/NDF: 367162.8/28

asym_atr1l2_avg_cor_correction_mean vs Slug



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

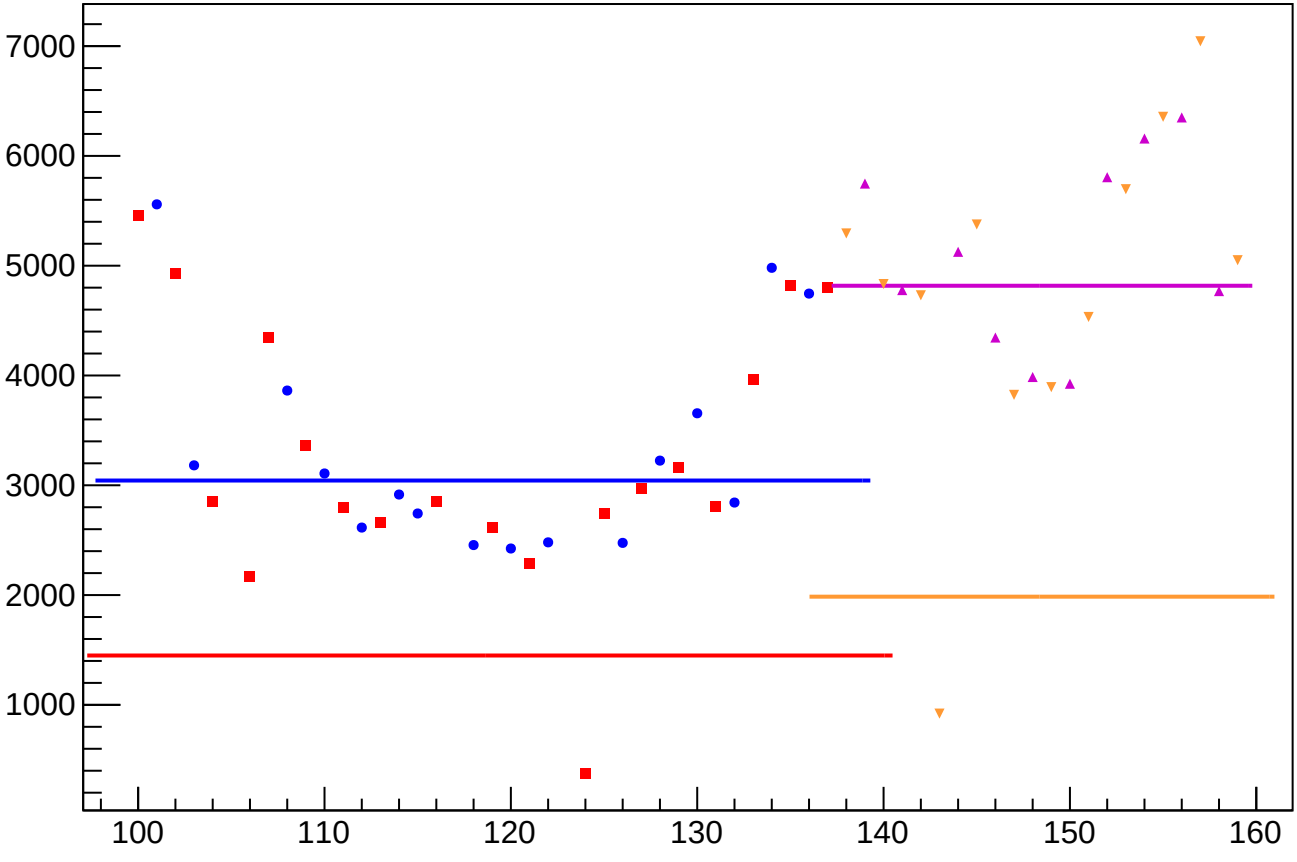
Left In: -1238.212+/-1657.833 χ^2/NDF:4.0/9

+ sign -838.207+/-700.019 χ^2/NDF: 38.2/27

All: -978.415+/-483.730 χ^2/NDF: 60.8/56

- sign -1106.554+/-669.215 χ^2/NDF: 22.5/28

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

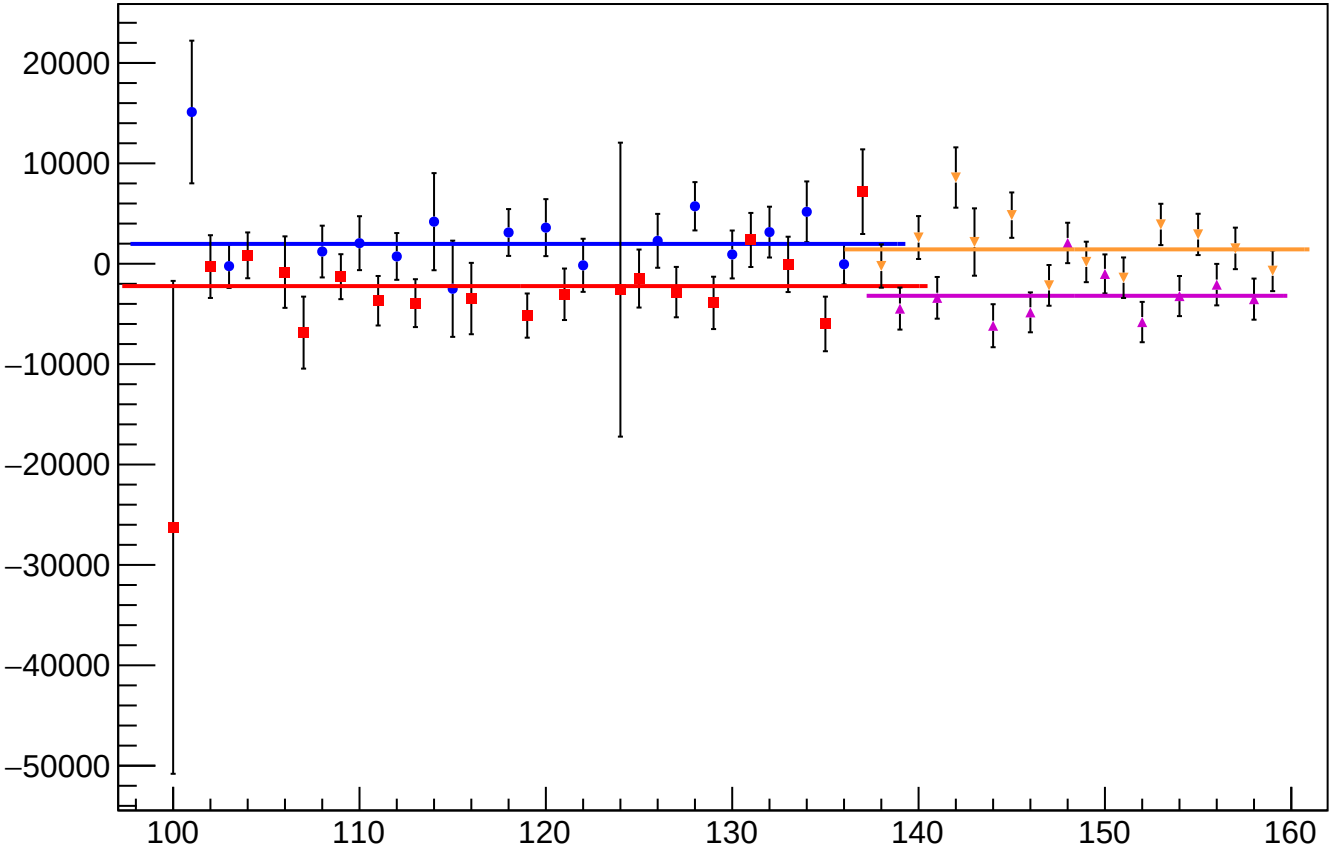
Left In: 4817.357+/-1.172 χ^2/NDF:465838.0/9

+ sign 2361.991+/-0.495 χ^2/NDF: 10474571.5/27

All: 2171.967+/-0.342 χ^2/NDF: 24957012.3/5

- sign 1998.299+/-0.473 χ^2/NDF: 14200373.7/28

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

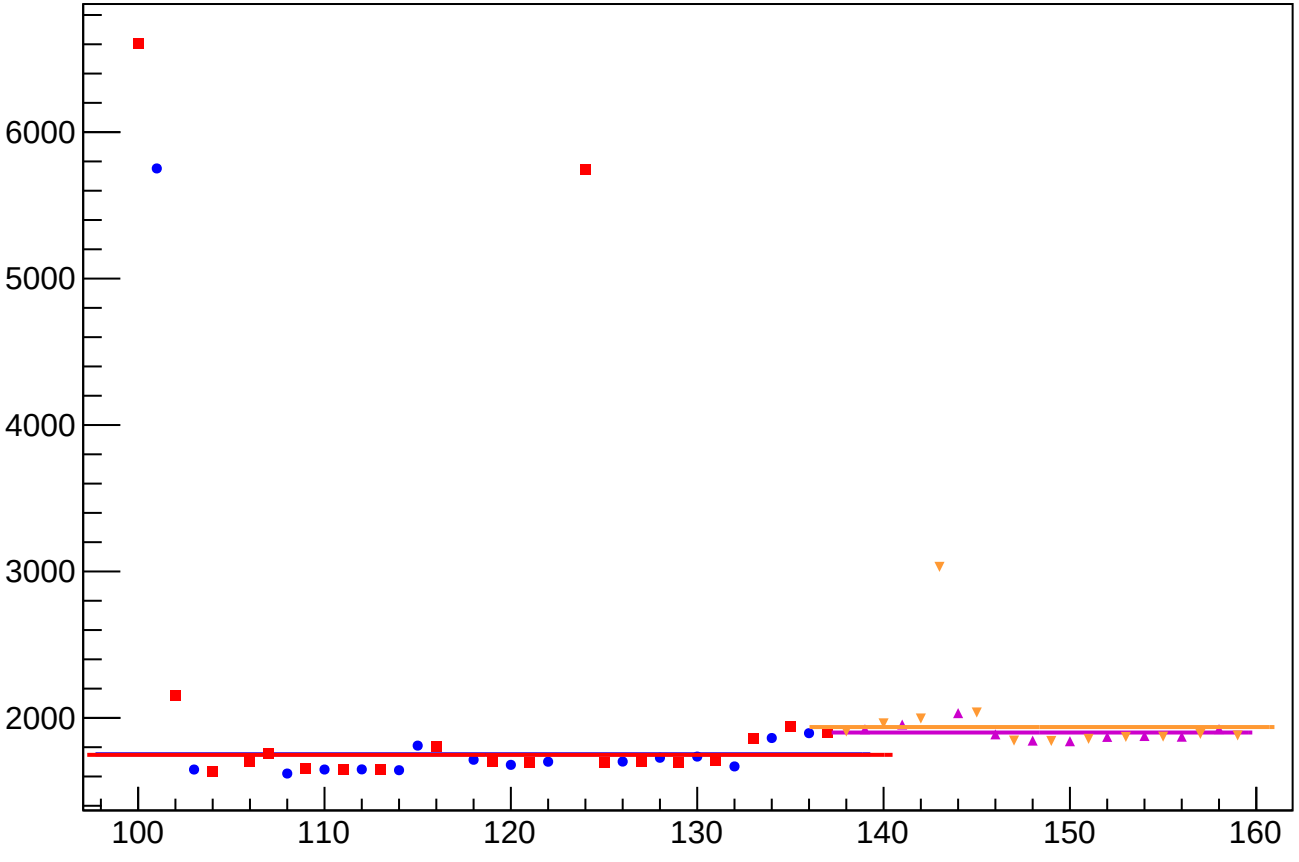
Left In: -3192.923+/-643.617 χ^2/NDF:13.1/9

+ sign 1688.229+/-458.596 χ^2/NDF: 29.9/27

All: -510.961+/-324.603 χ^2/NDF: 109.2/56

- sign -2719.016+/-459.520 χ^2/NDF: 33.2/28

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

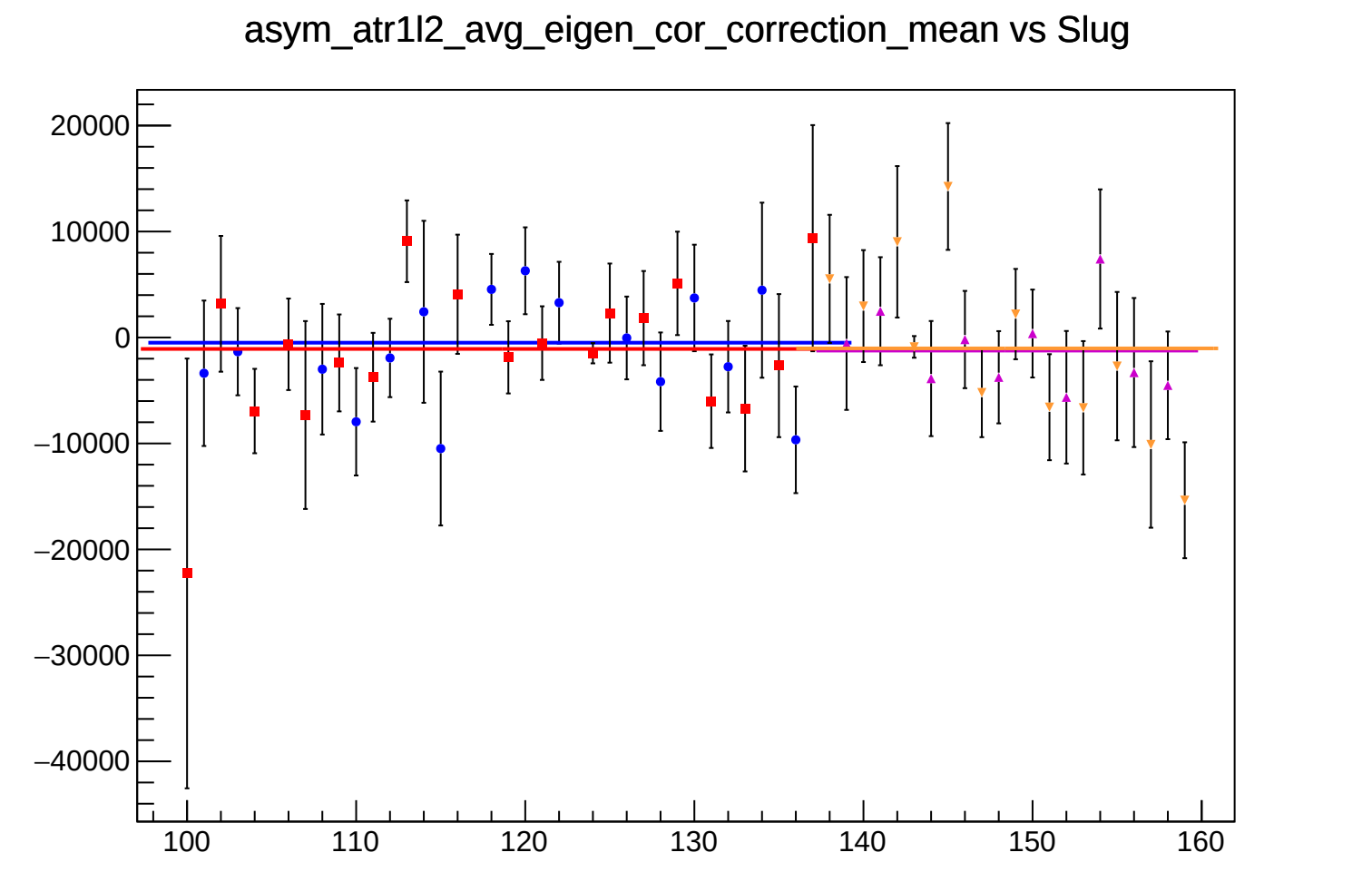
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.206+/-0.455 χ^2/NDF:14045.4/9

+ sign 1849.857+/-0.324 χ^2/NDF: 989070.1/27

All: 1837.529+/-0.229 χ^2/NDF: 1359124.3/56

- sign 1825.196+/-0.324 χ^2/NDF: 367162.8/28



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1029.080+/-872.301 χ^2/NDF:22.1/11

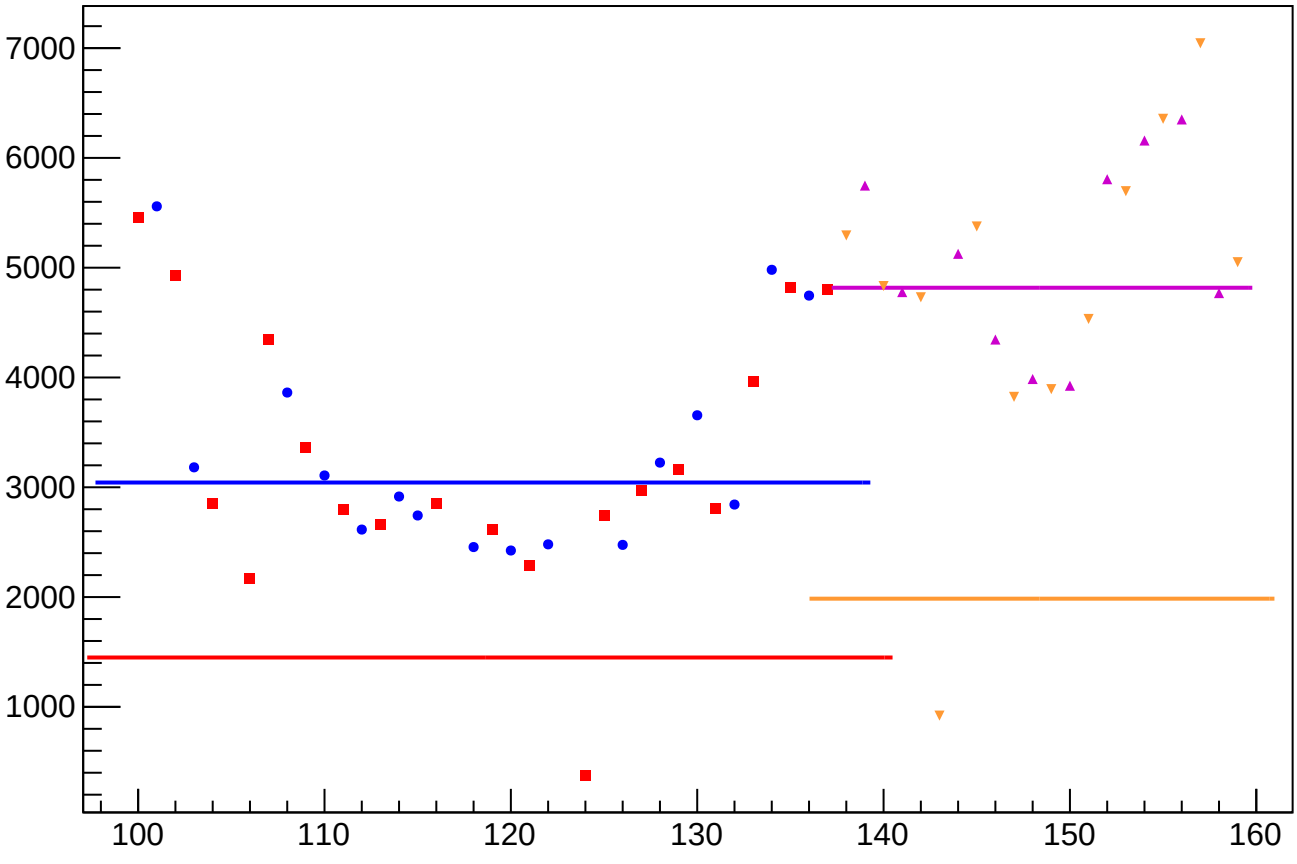
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -1238.212+/-1657.833 χ^2/NDF:4.0/9

+ sign -838.207+/-700.019 χ^2/NDF: 38.2/27

All: -978.415+/-483.730 χ^2/NDF: 60.8/56

- sign -1106.554+/-669.215 χ^2/NDF: 22.5/28



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

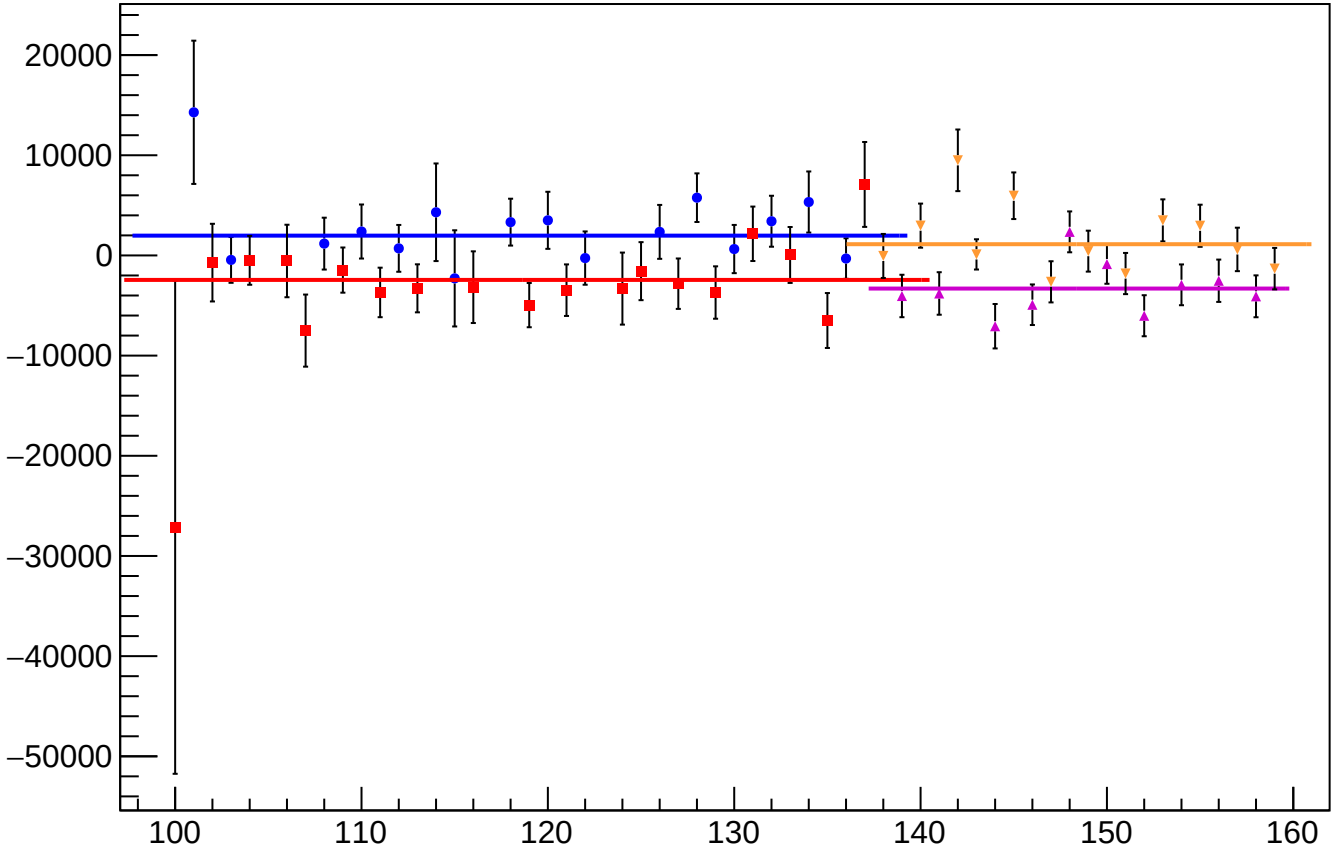
Left In: 4817.357+/-1.172 χ^2/NDF:465838.0/9

+ sign 2361.991+/-0.495 χ^2/NDF: 10474571.5/27

All: 2171.967+/-0.342 χ^2/NDF: 24957012.3/5

- sign 1998.299+/-0.473 χ^2/NDF: 14200373.7/28

dit_asym_atr1l2_avg_mean vs Slug



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

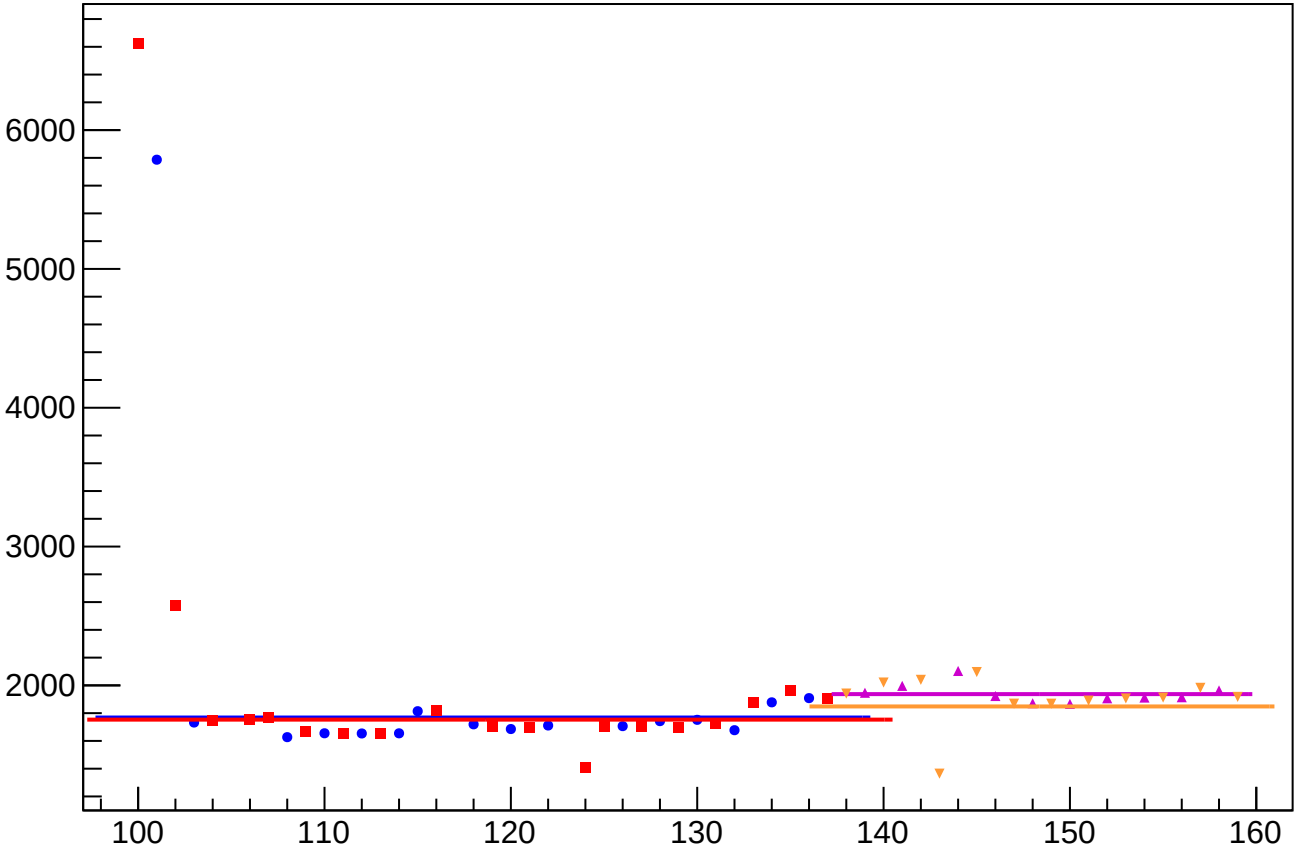
Left In: -3307.313+/-656.248 χ^2/NDF:15.0/9

+ sign 1500.704+/-449.196 χ^2/NDF: 35.5/27

All: -614.491+/-322.919 χ^2/NDF: 114.7/56

- sign -2876.698+/-464.544 χ^2/NDF: 33.3/28

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

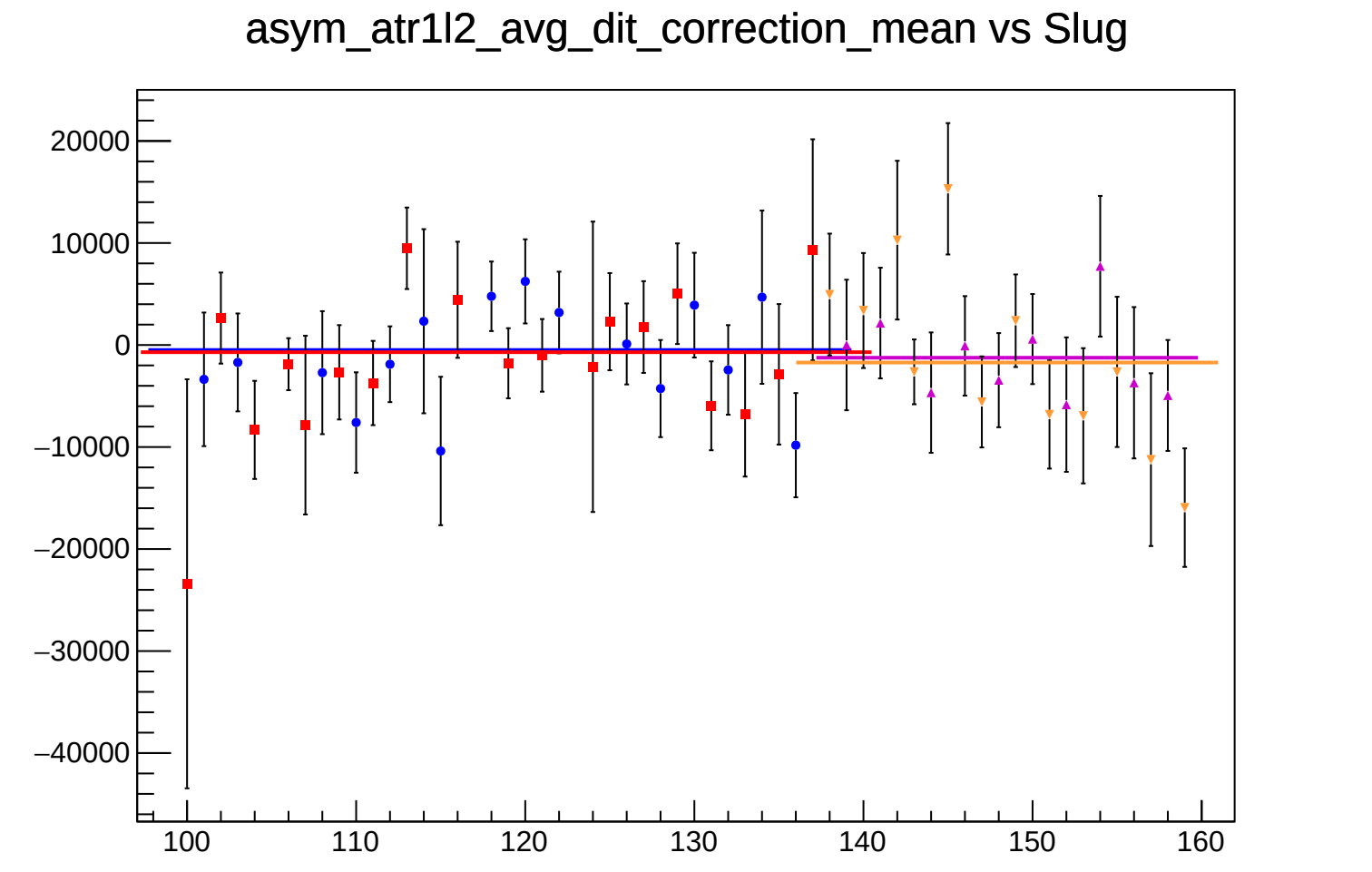
Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1937.153+/-0.464 χ^2/NDF:18919.7/9

+ sign 1812.872+/-0.318 χ^2/NDF: 949228.5/27

All: 1828.527+/-0.228 χ^2/NDF: 1270487.5/56

- sign 1845.224+/-0.328 χ^2/NDF: 316239.2/28



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1718.622+/-1545.975 χ^2/NDF:21.9/11

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

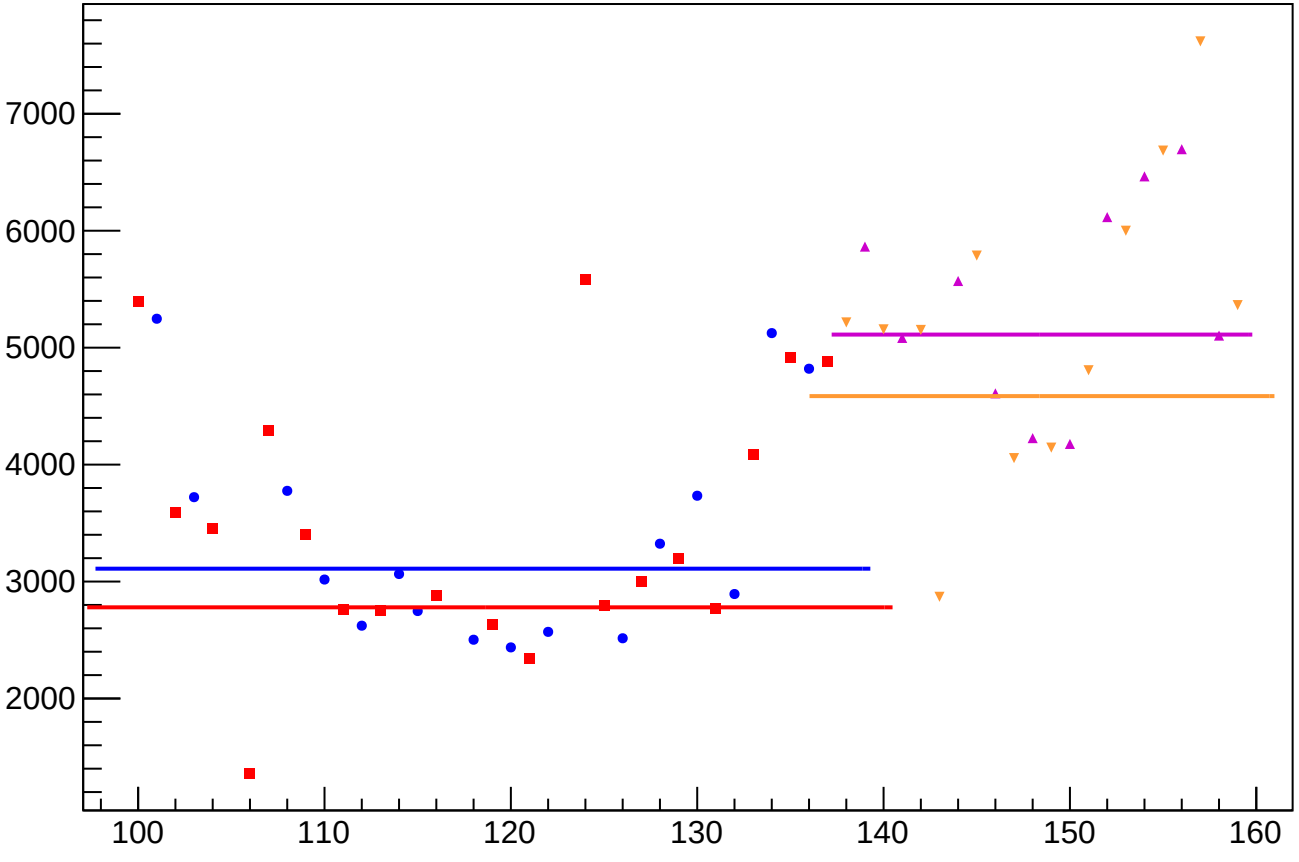
Left In: -1245.018+/-1757.984 χ^2/NDF:4.0/9

+ sign -950.030+/-947.205 χ^2/NDF: 38.0/27

All: -898.030+/-657.601 χ^2/NDF: 60.9/56

- sign -849.646+/-913.678 χ^2/NDF: 22.9/28

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

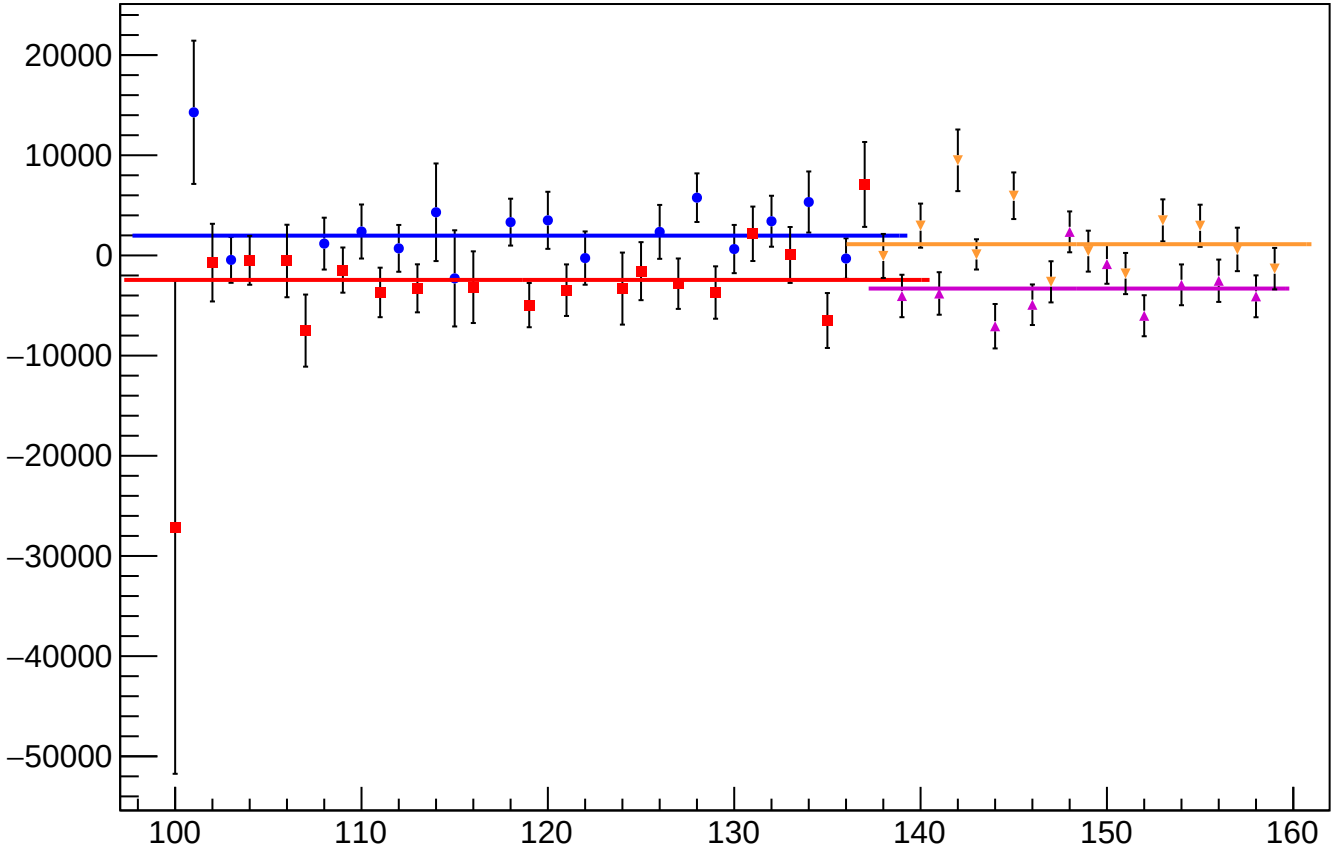
Left In: 5111.904+/-1.243 χ^2/NDF:439213.3/9

+ sign 3664.078+/-0.670 χ^2/NDF: 3324813.2/27

All: 3532.268+/-0.465 χ^2/NDF: 7756210.6/56

- sign 3409.624+/-0.646 χ^2/NDF: 4356632.0/28

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

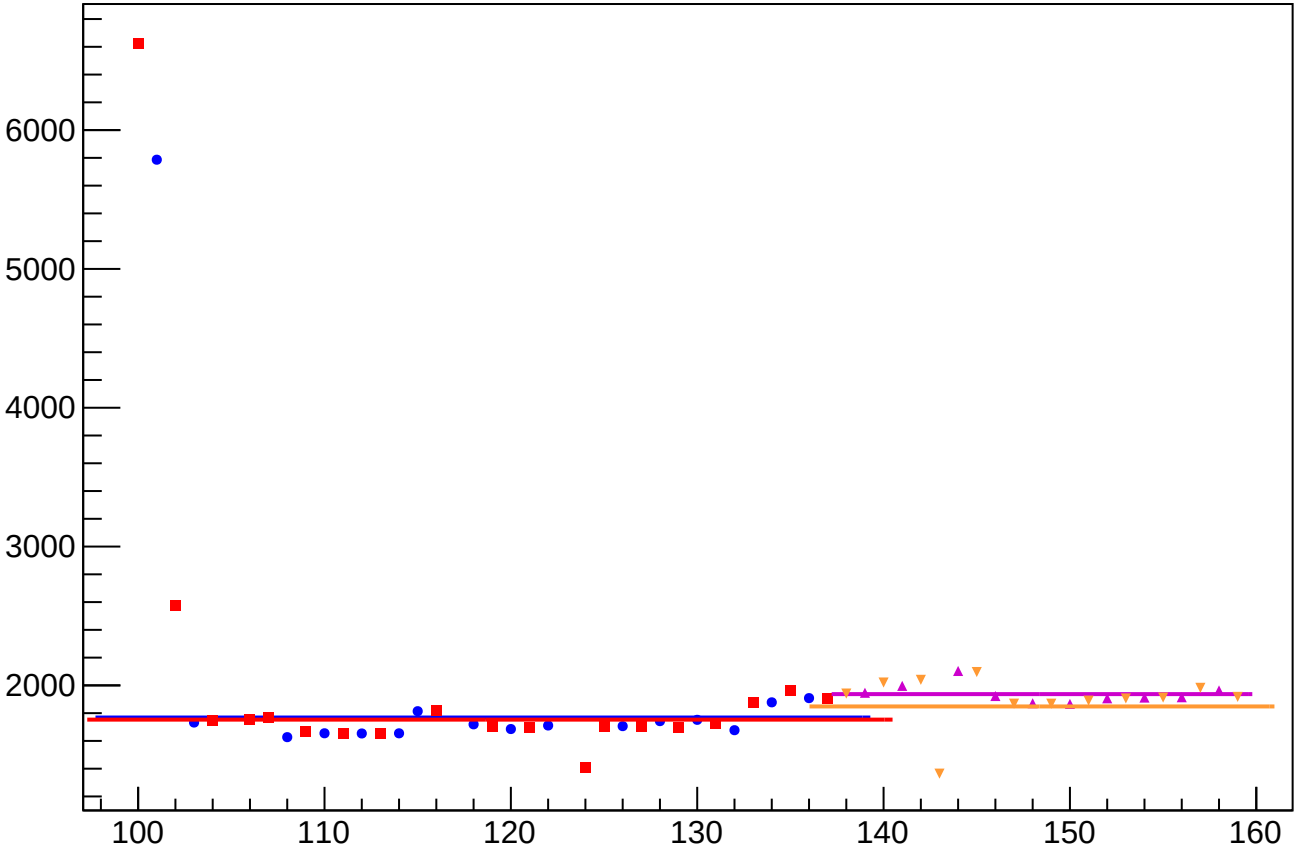
Left In: -3307.314+/-656.248 χ^2/NDF:15.0/9

+ sign 1500.703+/-449.196 χ^2/NDF: 35.5/27

All: -614.492+/-322.919 χ^2/NDF: 114.7/56

- sign -2876.699+/-464.544 χ^2/NDF: 33.3/28

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

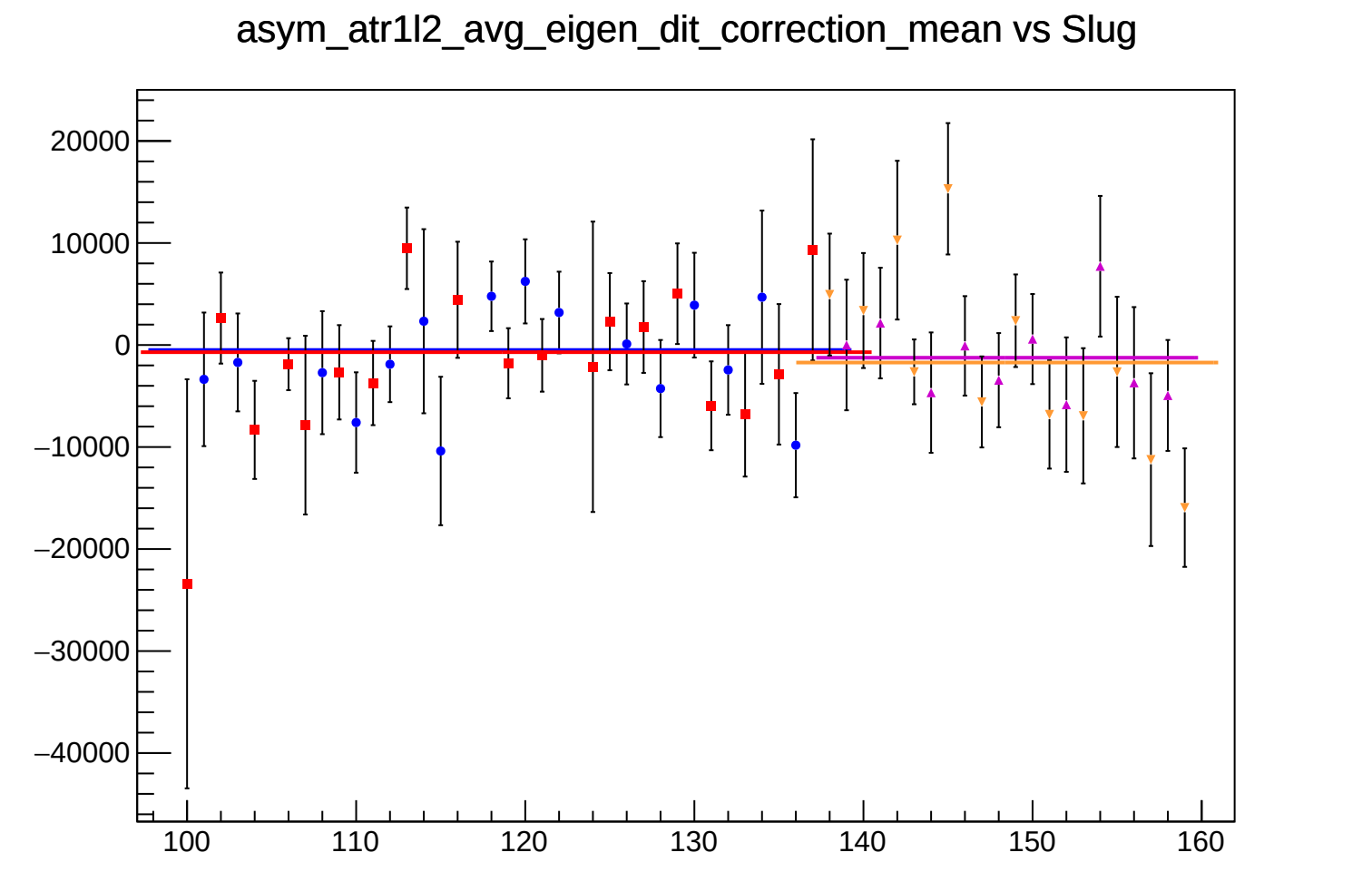
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1937.154+/-0.464 χ^2/NDF:18920.0/9

+ sign 1812.873+/-0.318 χ^2/NDF: 949230.2/27

All: 1828.527+/-0.228 χ^2/NDF: 1270490.5/56

- sign 1845.225+/-0.328 χ^2/NDF: 316240.5/28



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

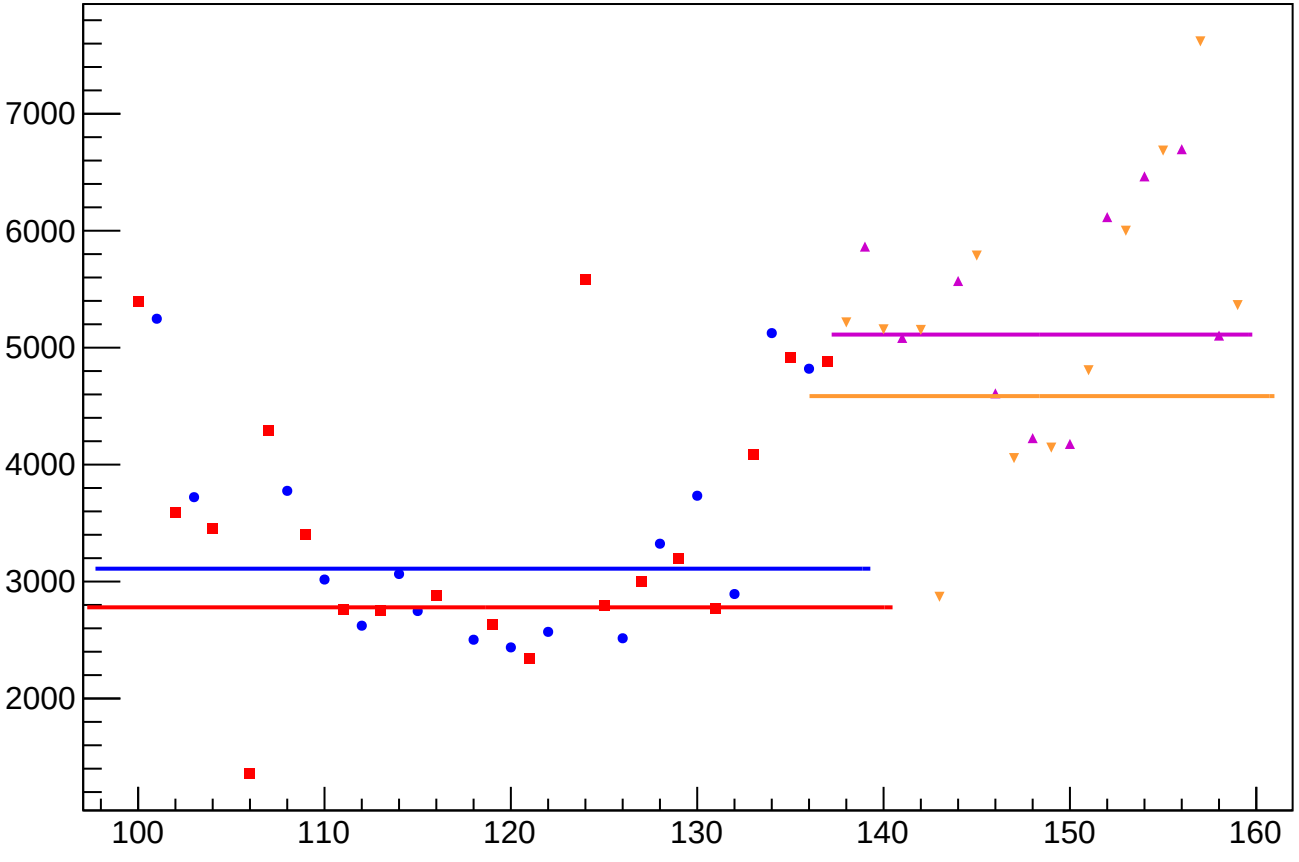
Left In: -1245.020+/-1757.986 χ^2/NDF:4.0/9

+ sign -950.026+/-947.204 χ^2/NDF: 38.0/27

All: -898.028+/-657.600 χ^2/NDF: 60.9/56

- sign -849.647+/-913.676 χ^2/NDF: 22.9/28

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

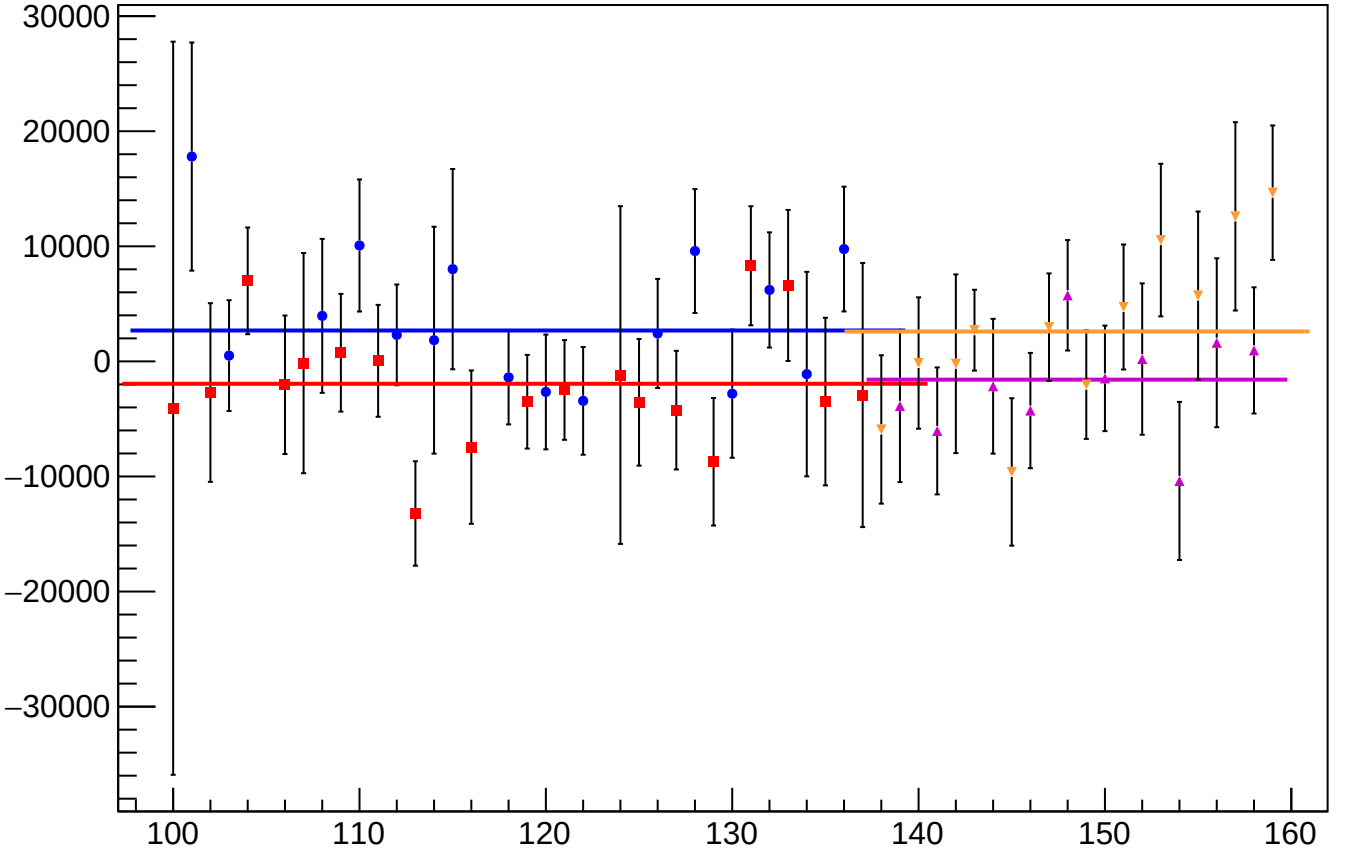
Left In: 5111.909+/-1.243 χ^2/NDF:439216.7/9

+ sign 3664.070+/-0.670 χ^2/NDF: 3324853.8/27

All: 3532.257+/-0.465 χ^2/NDF: 7756317.9/56

- sign 3409.611+/-0.646 χ^2/NDF: 4356695.9/28

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

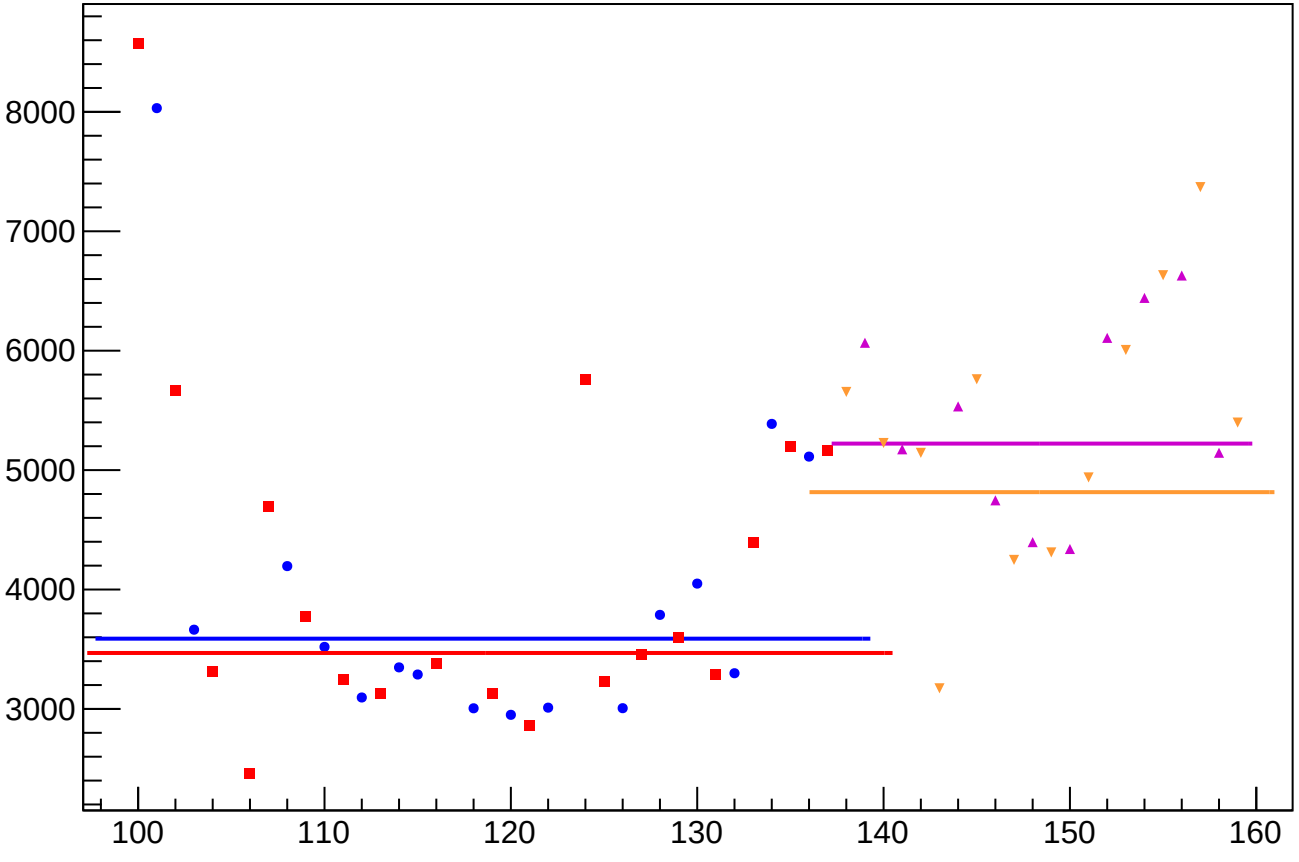
Left In: -1586.496+/-1790.498 χ^2/NDF:5.5/9

+ sign 2648.600+/-1046.948 χ^2/NDF: 27.7/27

All: 462.494+/-748.053 χ^2/NDF: 60.8/56

- sign -1817.598+/-1069.216 χ^2/NDF: 24.2/28

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

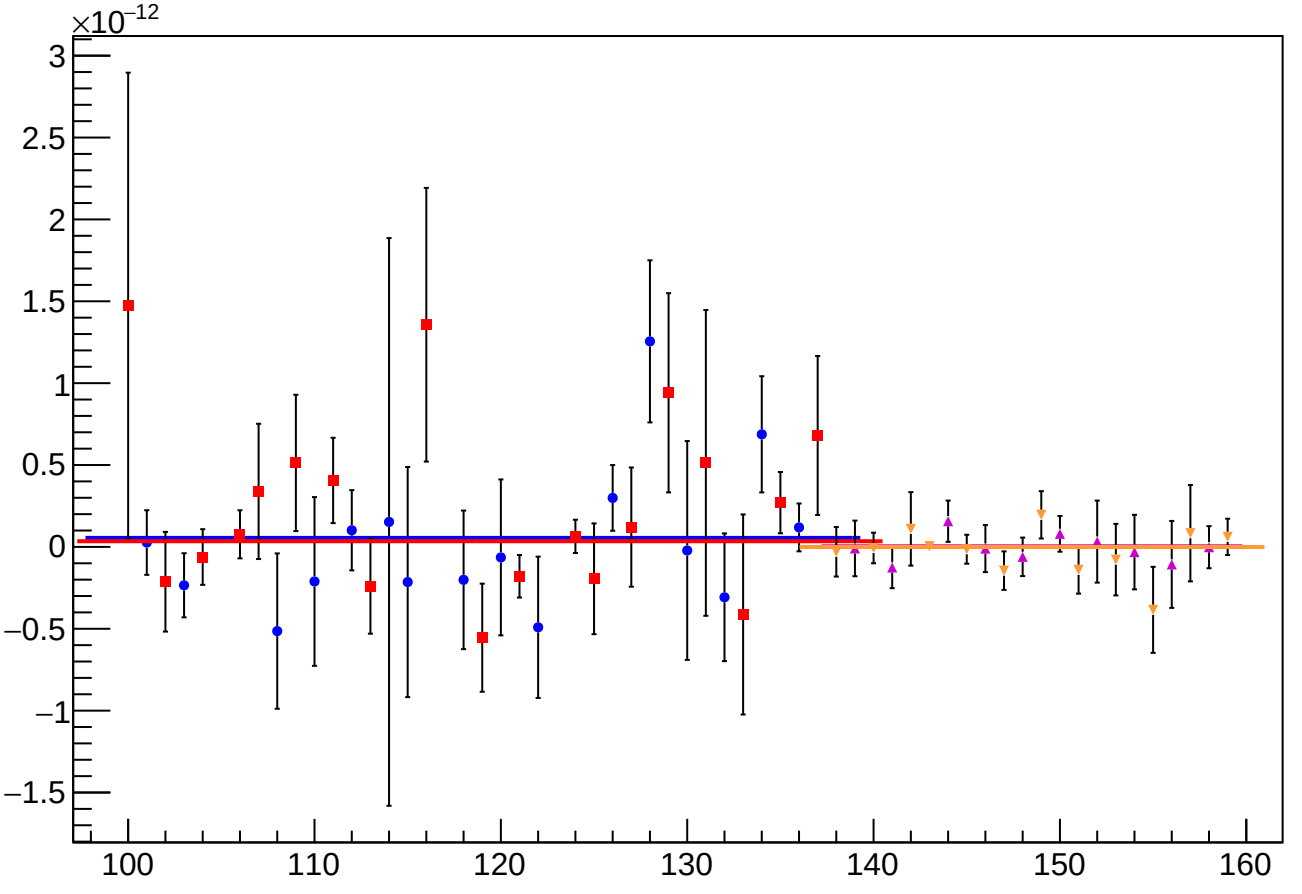
Left In: 5222.013+/-1.266 χ^2/NDF:362997.3/9

+ sign 4109.140+/-0.740 χ^2/NDF: 2501816.1/27

All: 4095.537+/-0.526 χ^2/NDF: 4779455.8/56

- sign 4081.628+/-0.749 χ^2/NDF: 2276956.8/28

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

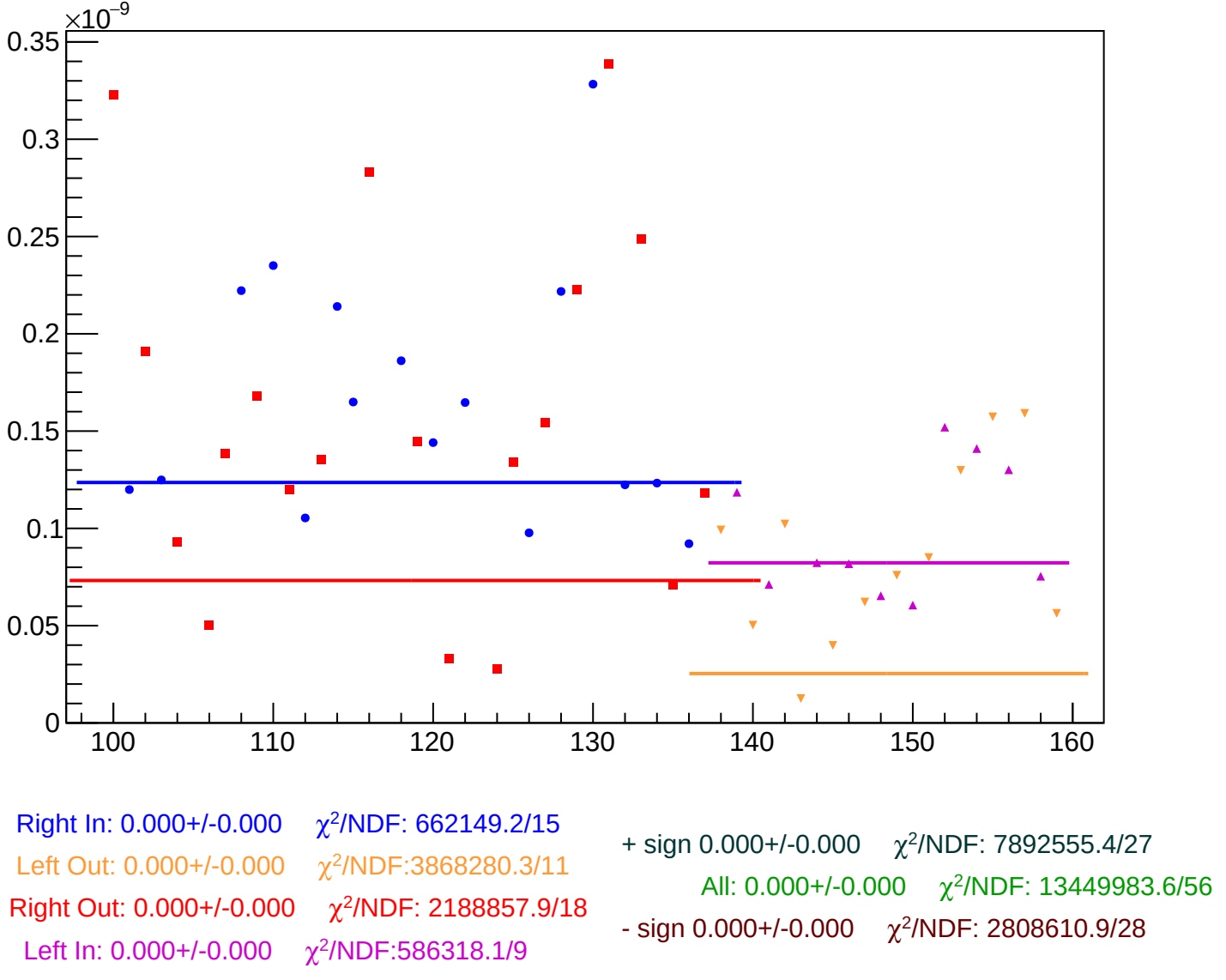
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/9

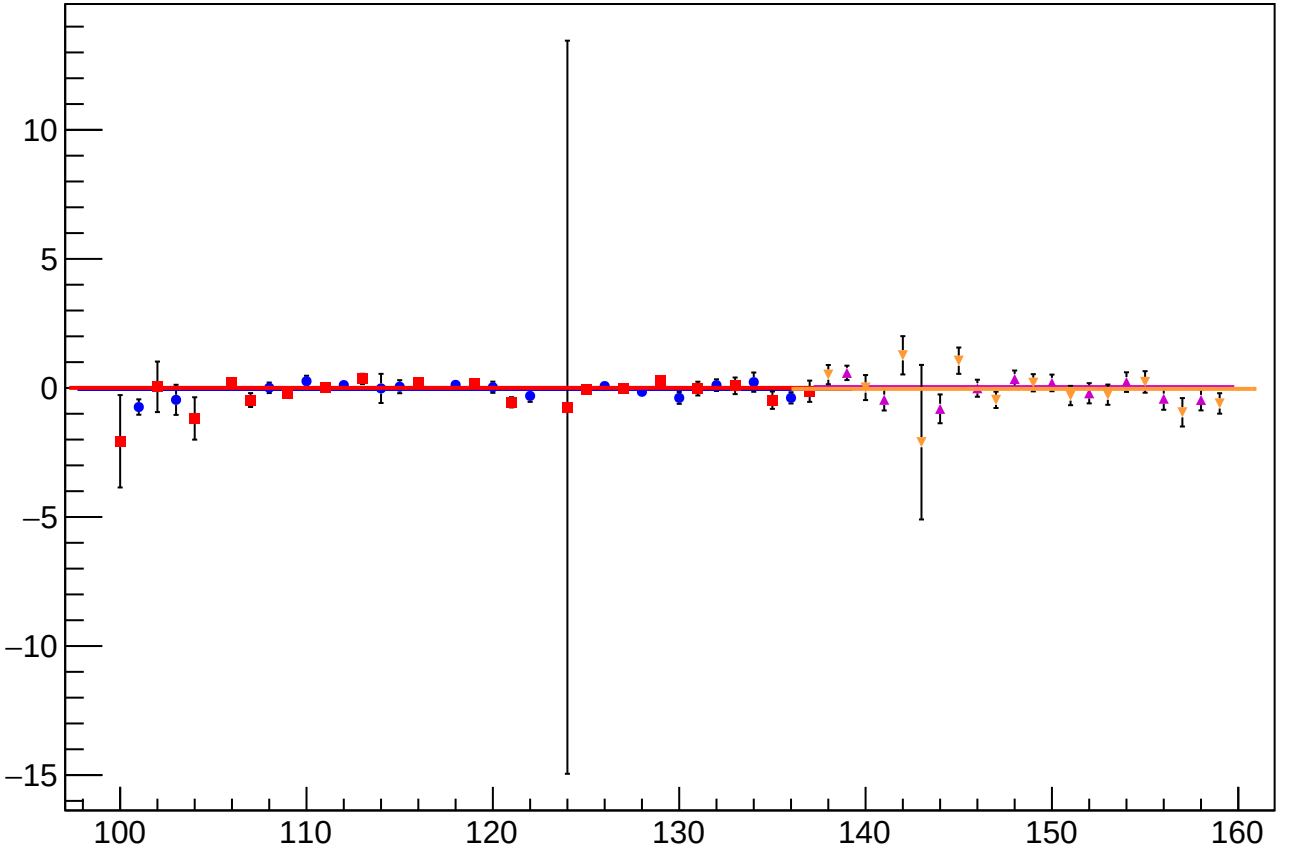
+ sign 0.000+/-0.000 χ^2/NDF: 25.6/27

All: 0.000+/-0.000 χ^2/NDF: 51.7/56

- sign 0.000+/-0.000 χ^2/NDF: 26.0/28


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3868280.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:586318.1/9
+ sign 0.000+/-0.000 χ²/NDF: 7892555.4/27
All: 0.000+/-0.000 χ²/NDF: 13449983.6/56
- sign 0.000+/-0.000 χ²/NDF: 2808610.9/28

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

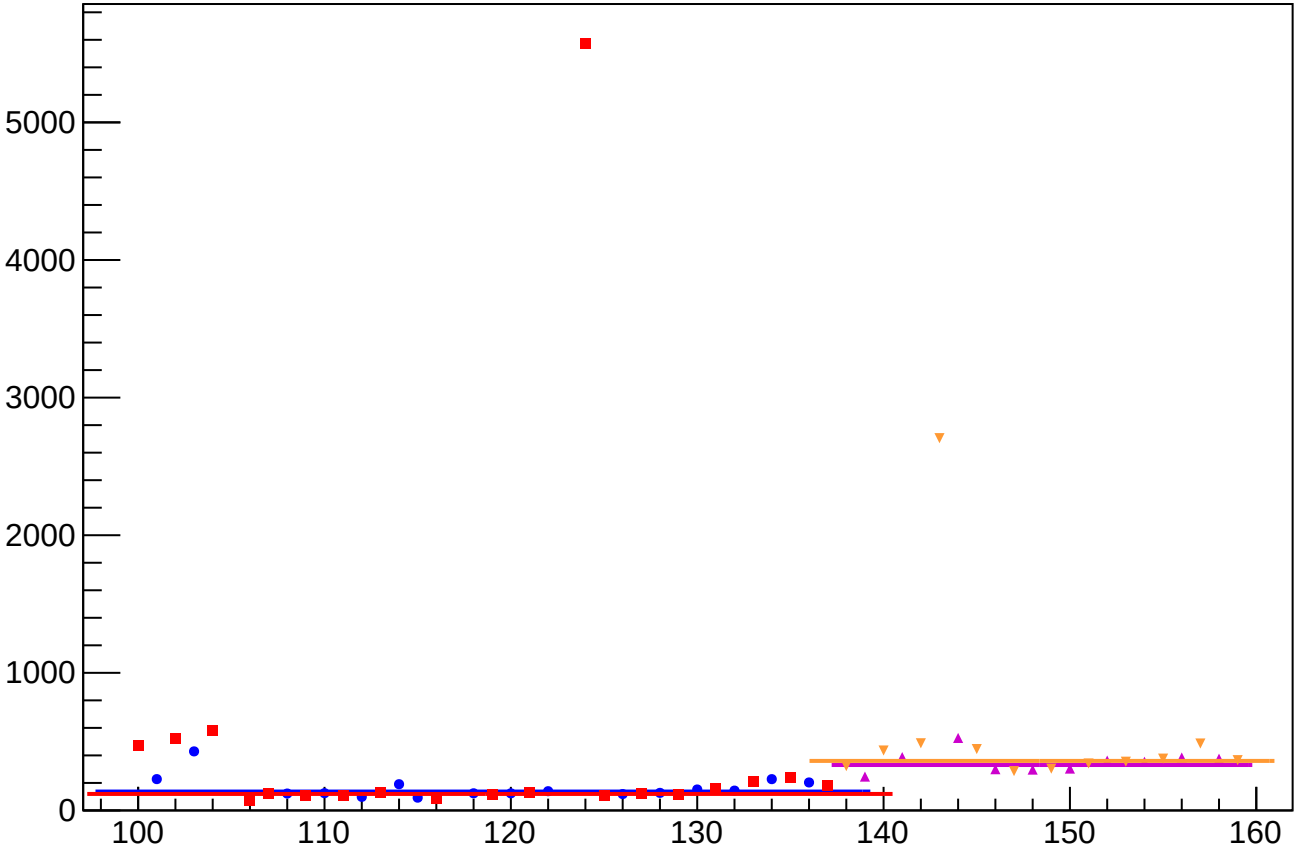
Left In: 0.033+/-0.115 χ^2/NDF:12.0/9

\+ sign -0.039+/-0.051 χ^2/NDF: 36.5/27

All: -0.013+/-0.034 χ^2/NDF: 77.8/56

\- sign 0.008+/-0.047 χ^2/NDF: 40.8/28

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

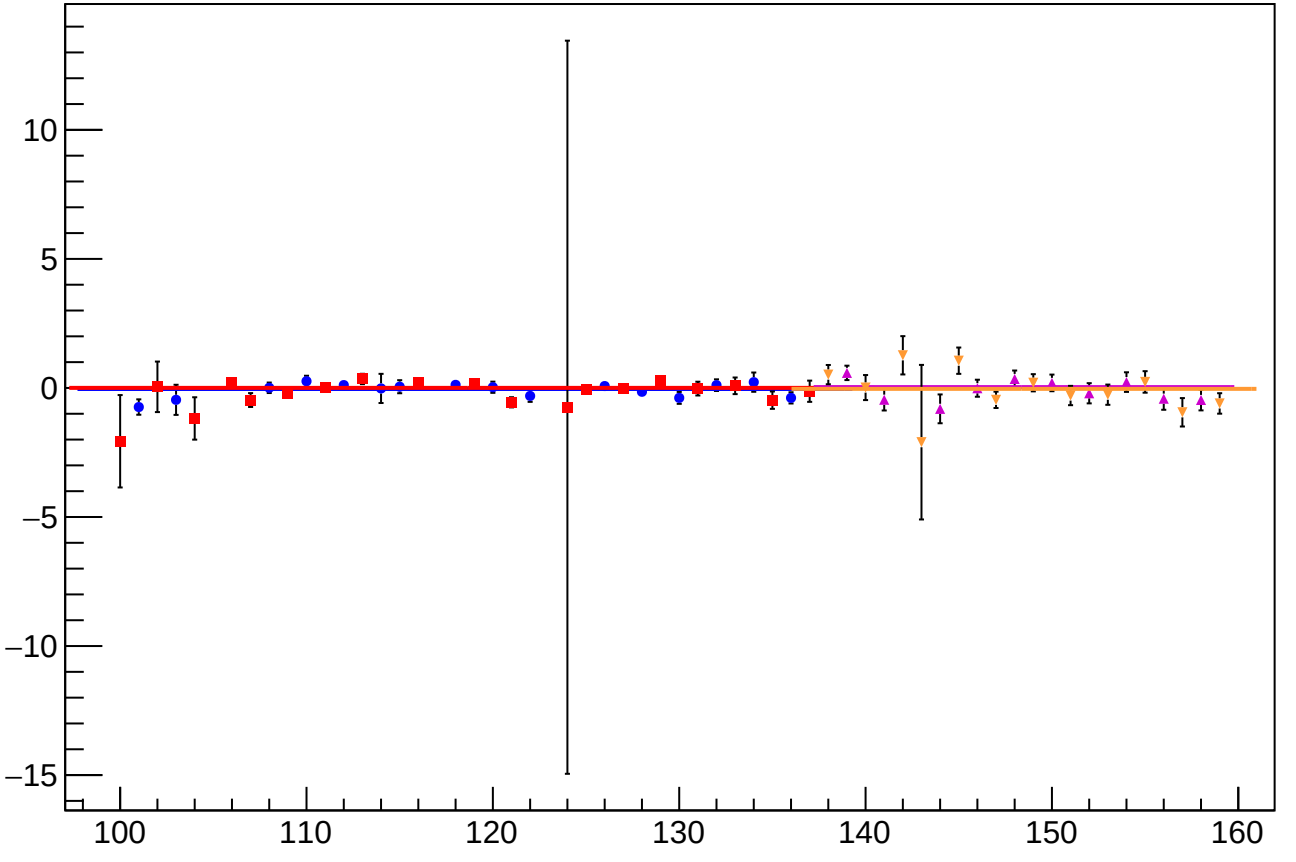
Left In: 330.197+/-0.082 χ^2/NDF:599606.3/9

+ sign 175.029+/-0.036 χ^2/NDF: 8340312.7/27

All: 163.714+/-0.024 χ^2/NDF: 16808473.0/56

- sign 154.226+/-0.033 χ^2/NDF: 8286347.0/28

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

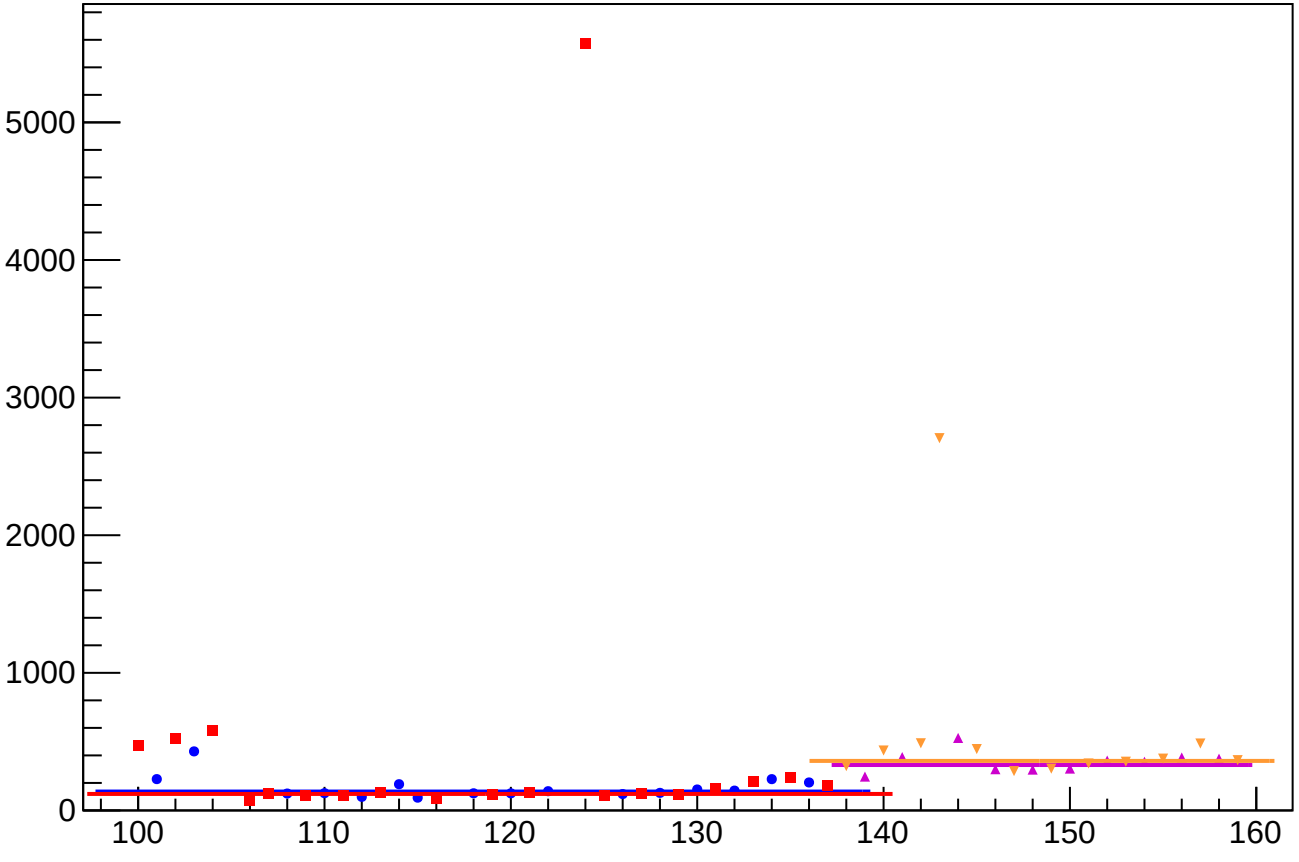
Left In: 0.033+/-0.115 χ^2/NDF:12.0/9

\+ sign -0.039+/-0.051 χ^2/NDF: 36.5/27

All: -0.013+/-0.034 χ^2/NDF: 77.8/56

\- sign 0.008+/-0.047 χ^2/NDF: 40.8/28

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

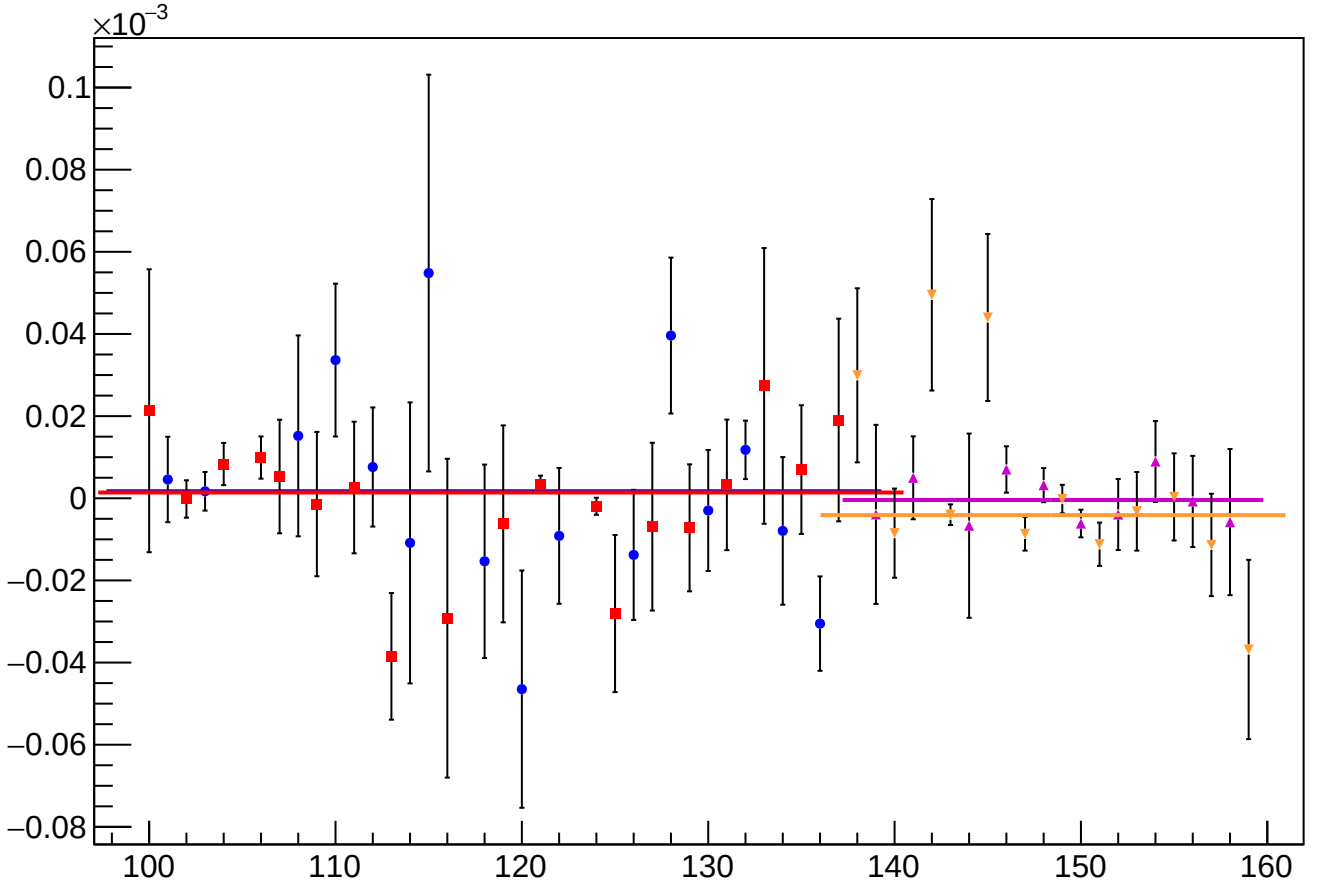
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 330.197+/-0.082 χ^2/NDF:599606.3/9

+ sign 175.029+/-0.036 χ^2/NDF: 8340312.7/27

All: 163.714+/-0.024 χ^2/NDF: 16808473.0/56

- sign 154.226+/-0.033 χ^2/NDF: 8286347.0/28



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

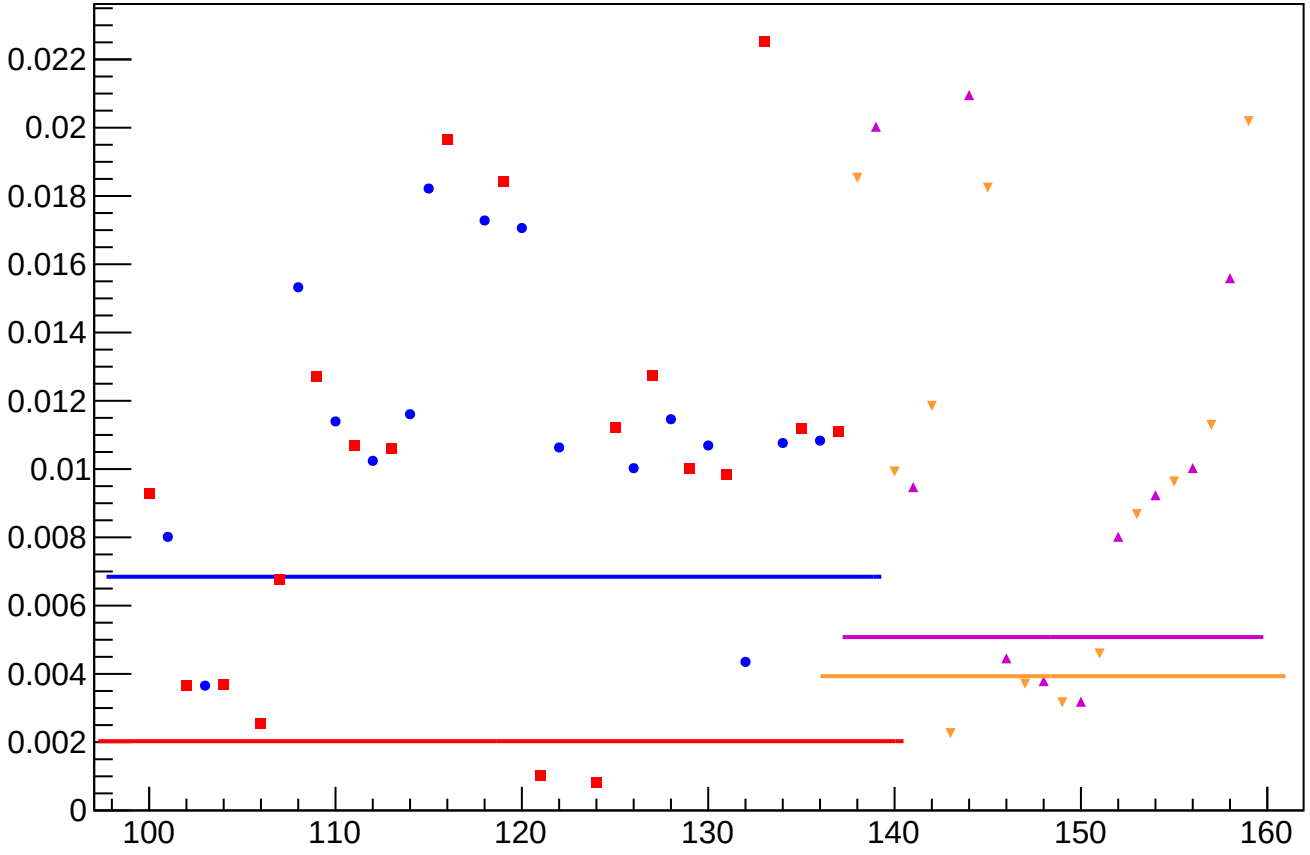
Left In: -0.000+/-0.000 χ^2/NDF:7.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/27

All: -0.000+/-0.000 χ^2/NDF: 79.5/56

- sign 0.000+/-0.000 χ^2/NDF: 27.8/28

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

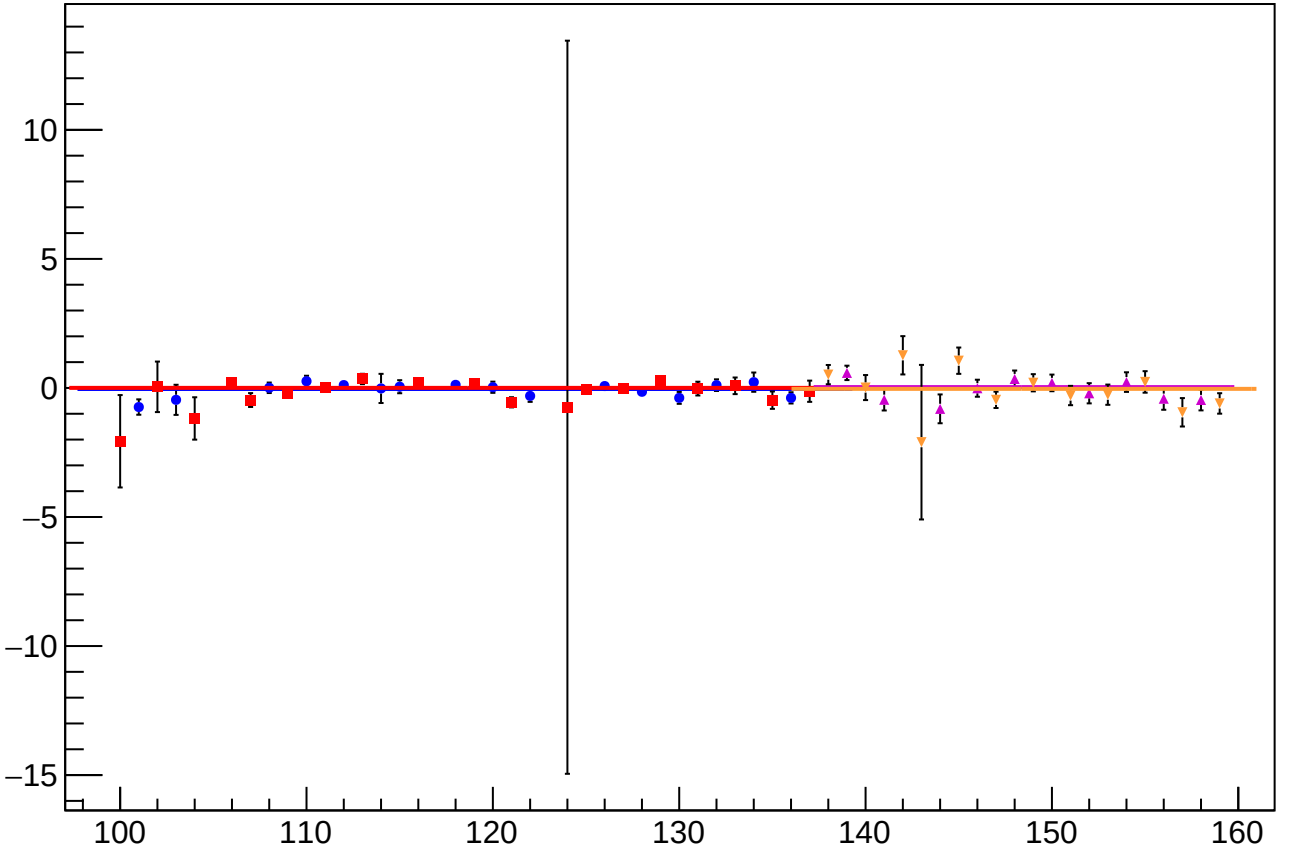
Left In: 0.005+/-0.000 χ^2/NDF:4855615.7/9

+ sign 0.005+/-0.000 χ^2/NDF: 11387326.1/27

All: 0.003+/-0.000 χ^2/NDF: 30323631.5/56

- sign 0.003+/-0.000 χ^2/NDF: 16969517.0/28

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

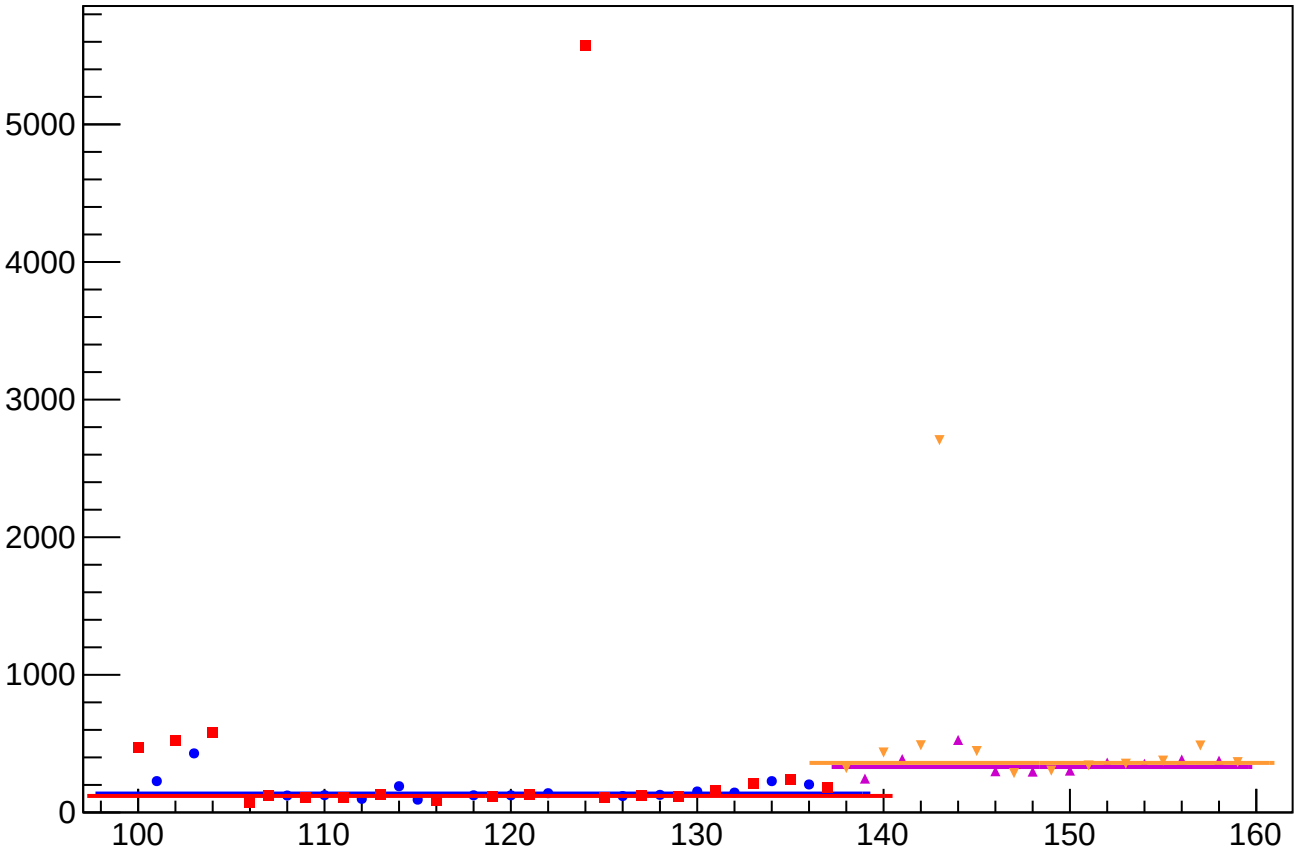
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.033+/-0.115 χ^2/NDF:12.0/9

\+ sign -0.039+/-0.051 χ^2/NDF: 36.5/27

All: -0.013+/-0.034 χ^2/NDF: 77.8/56

\- sign 0.008+/-0.047 χ^2/NDF: 40.8/28



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 360.062+/-0.088 χ^2/NDF:1694192.3/11

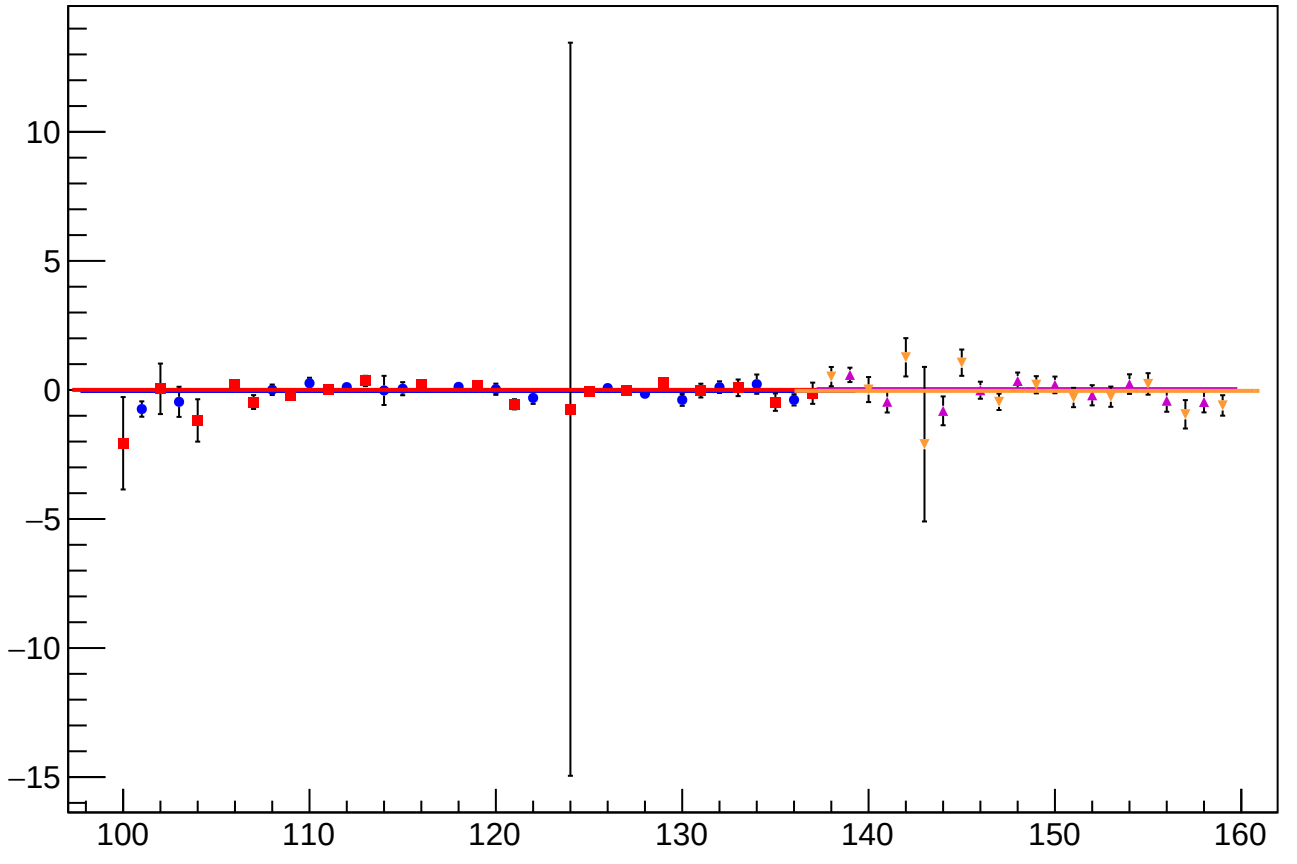
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 330.201+/-0.082 χ^2/NDF:599602.4/9

+ sign 175.030+/-0.036 χ^2/NDF: 8340315.4/27

All: 163.715+/-0.024 χ^2/NDF: 16808533.4/56

- sign 154.226+/-0.033 χ^2/NDF: 8286386.0/28



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.035+/-0.124 χ^2/NDF:18.6/11

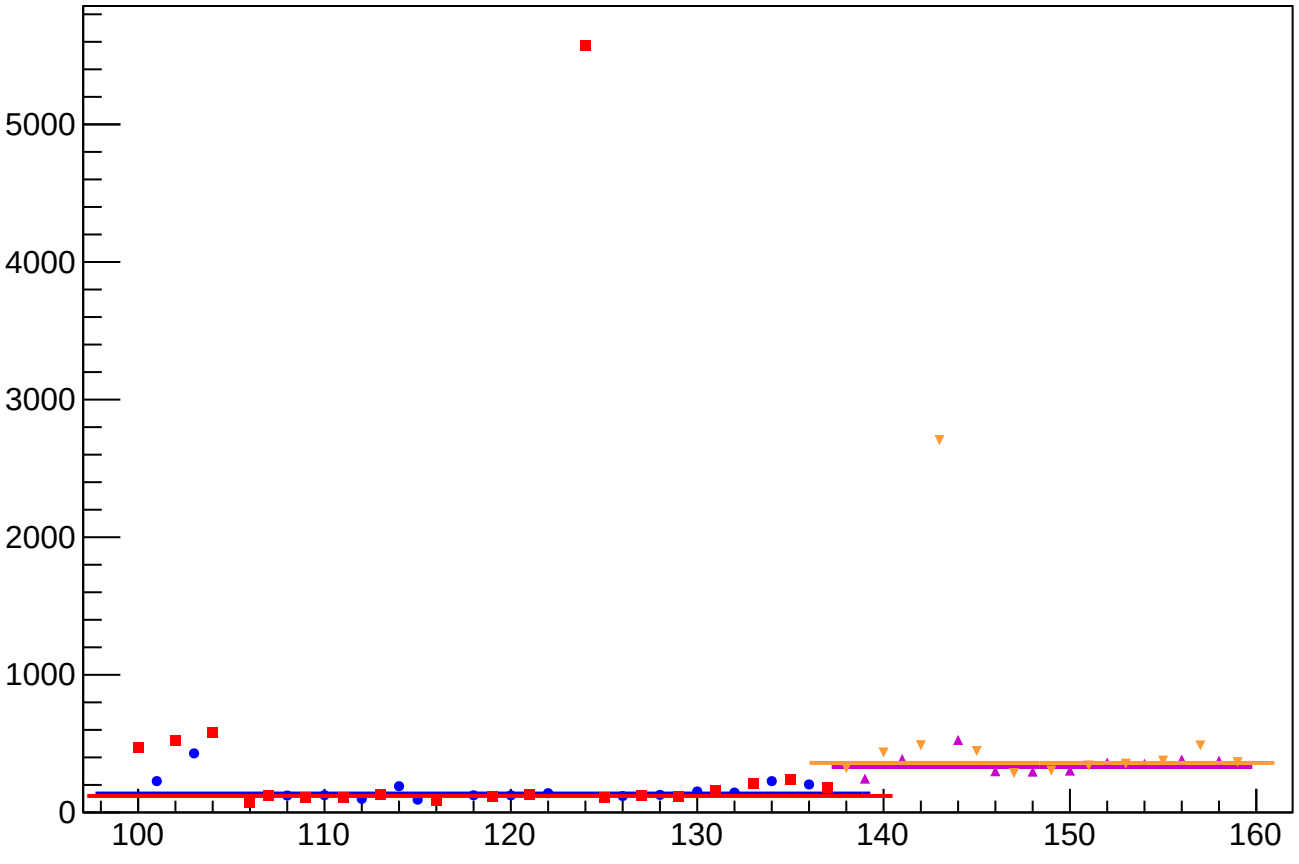
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.033+/-0.115 χ^2/NDF:12.0/9

\+ sign -0.039+/-0.051 χ^2/NDF: 36.5/27

All: -0.013+/-0.034 χ^2/NDF: 77.8/56

\- sign 0.008+/-0.047 χ^2/NDF: 40.8/28



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 360.062+/-0.088 χ^2/NDF:1694192.3/11

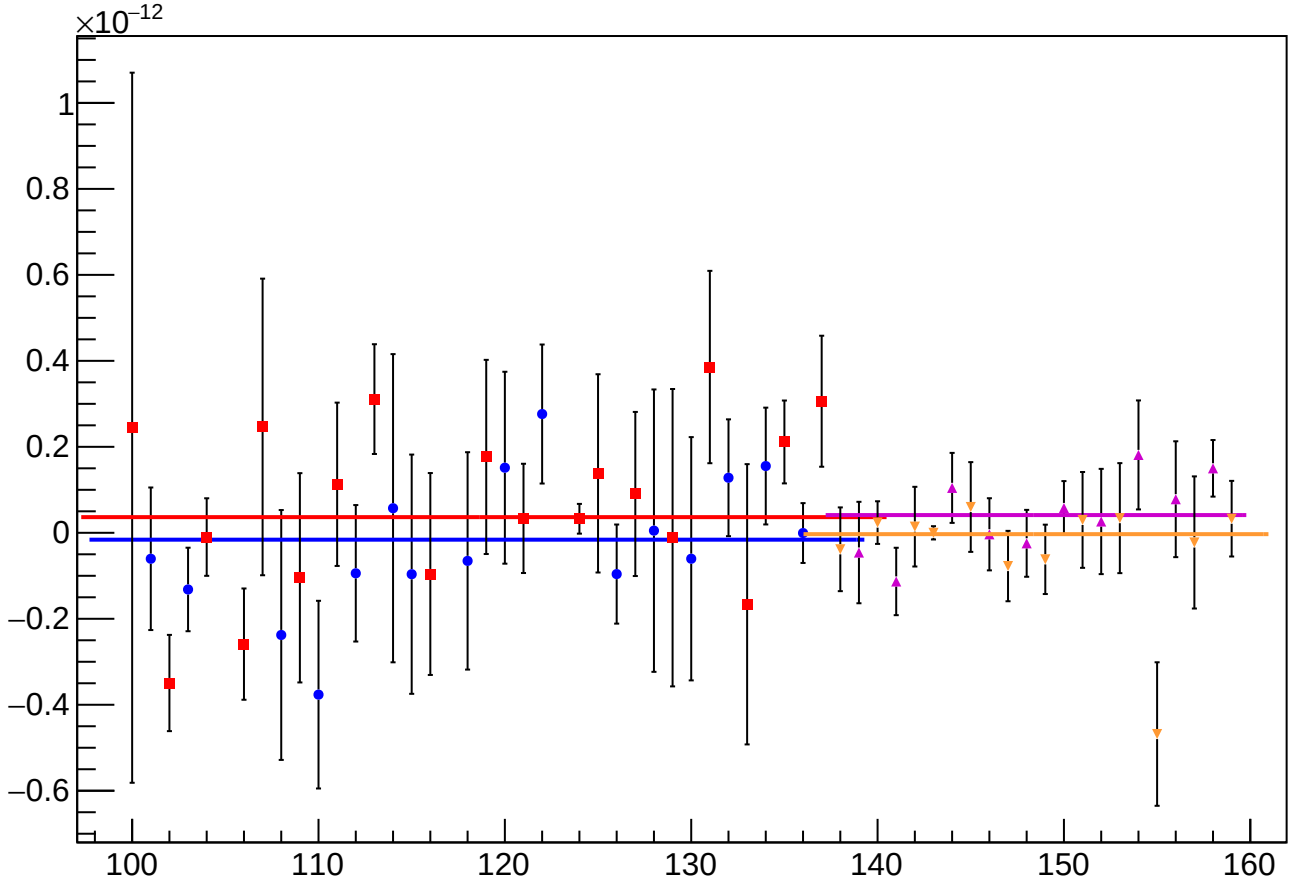
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 330.201+/-0.082 χ^2/NDF:599602.4/9

+ sign 175.030+/-0.036 χ^2/NDF: 8340315.4/27

All: 163.715+/-0.024 χ^2/NDF: 16808533.4/56

- sign 154.226+/-0.033 χ^2/NDF: 8286386.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/11

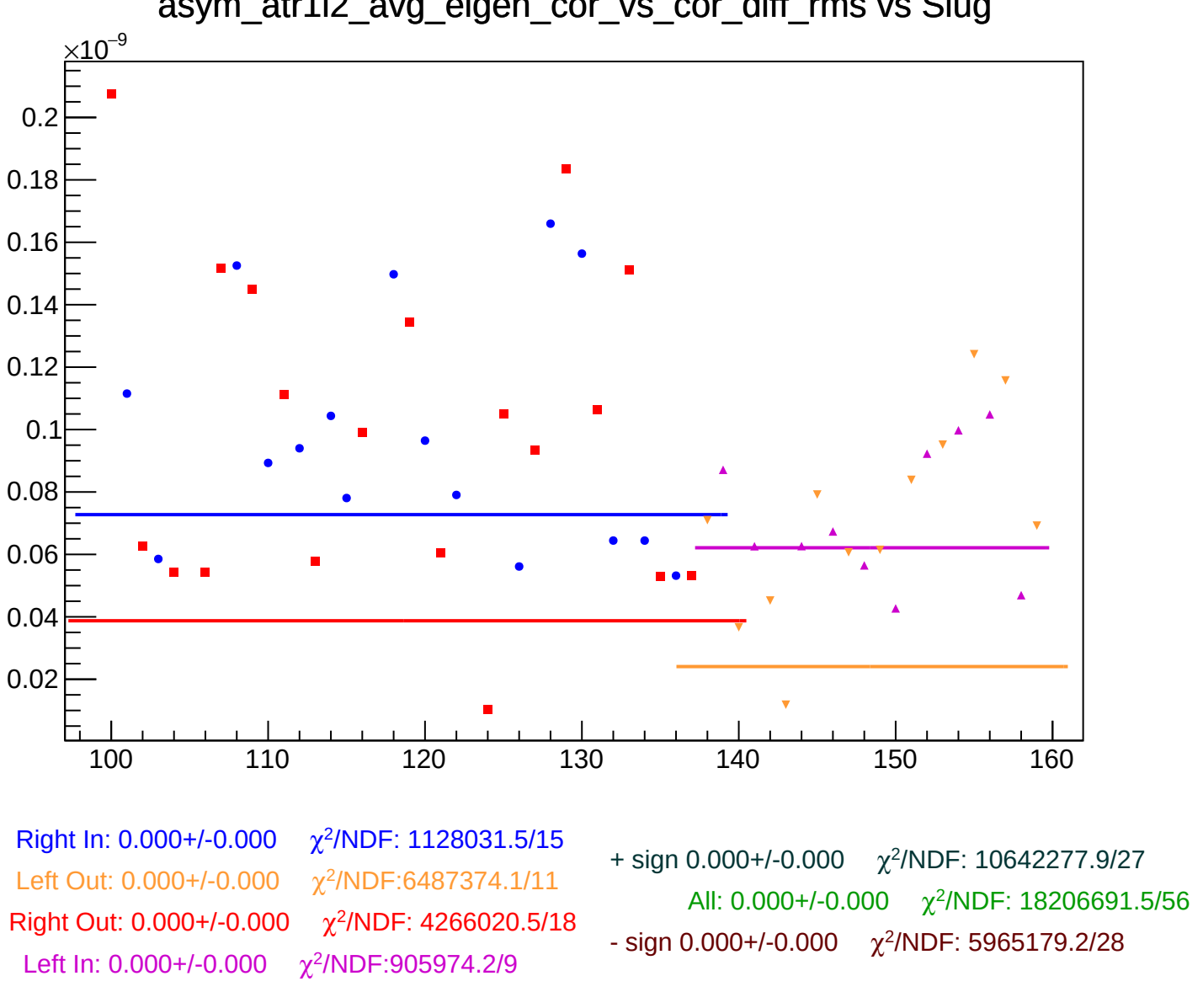
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/9

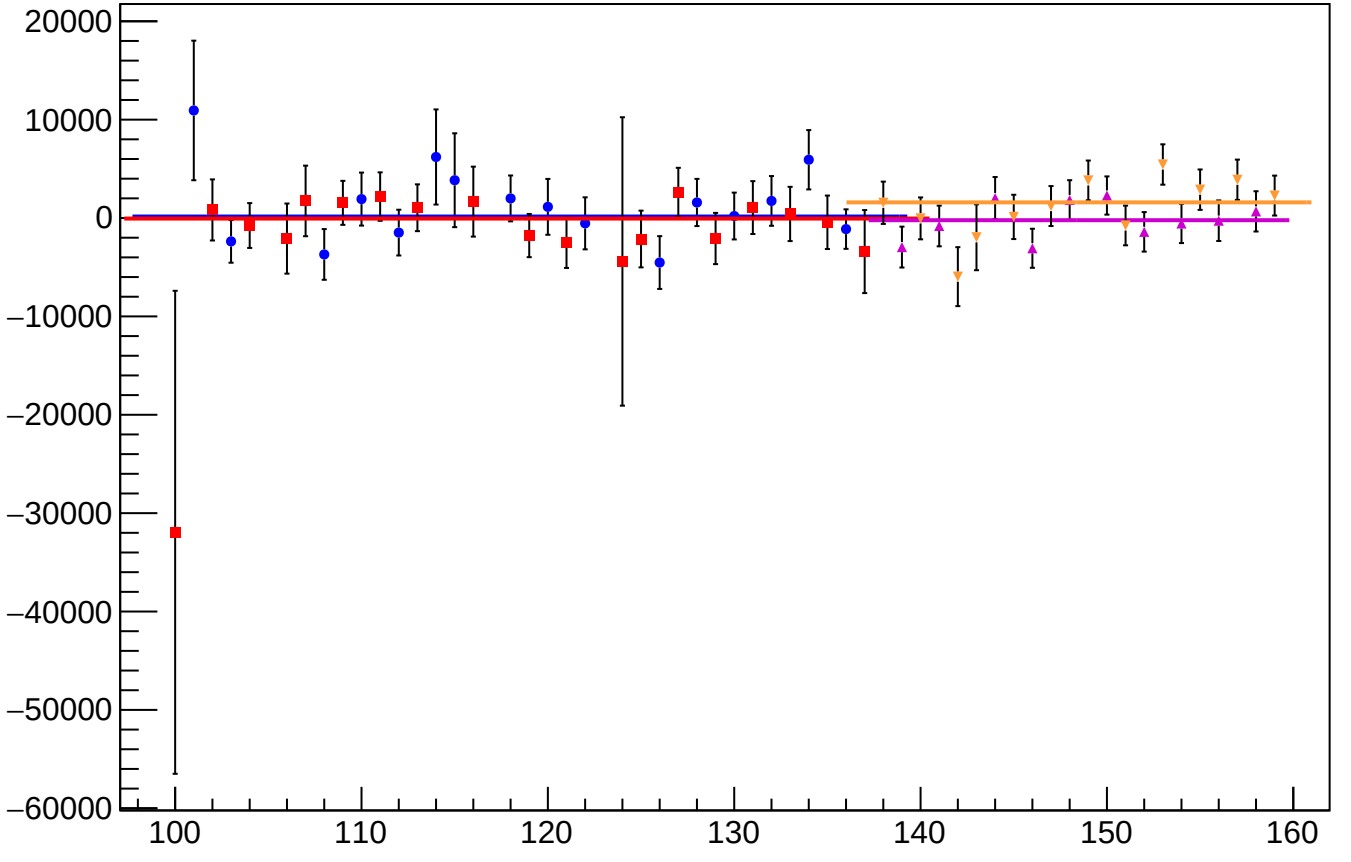
+ sign -0.000+/-0.000 χ^2/NDF: 22.7/27

All: 0.000+/-0.000 χ^2/NDF: 69.8/56

- sign 0.000+/-0.000 χ^2/NDF: 43.3/28


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:905974.2/9
+ sign 0.000+/-0.000 χ²/NDF: 10642277.9/27
All: 0.000+/-0.000 χ²/NDF: 18206691.5/56
- sign 0.000+/-0.000 χ²/NDF: 5965179.2/28

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

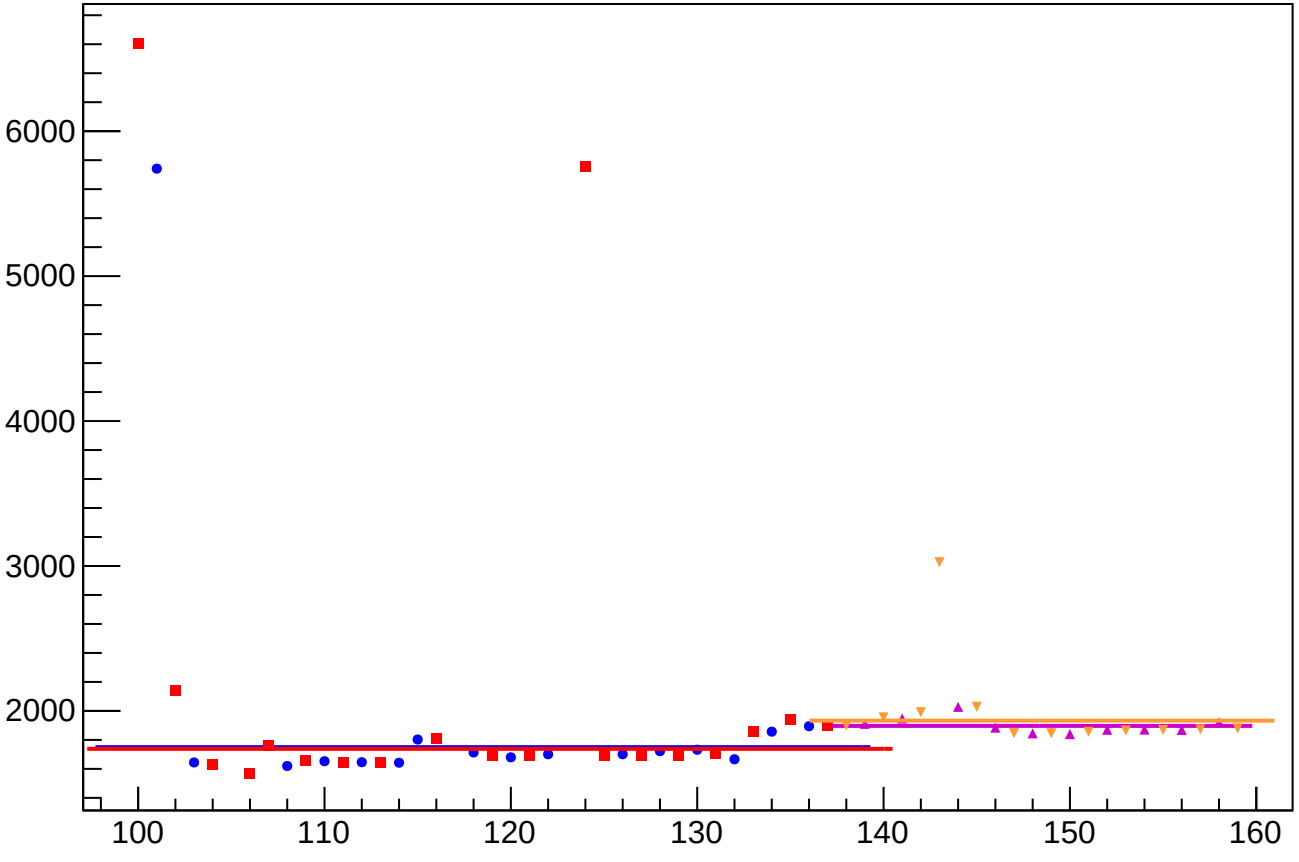
Left In: -222.033+/-642.364 χ^2/NDF:8.3/9

+ sign 912.995+/-457.788 χ^2/NDF: 36.5/27

All: 387.691+/-324.032 χ^2/NDF: 56.4/56

- sign -139.739+/-458.714 χ^2/NDF: 17.3/28

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

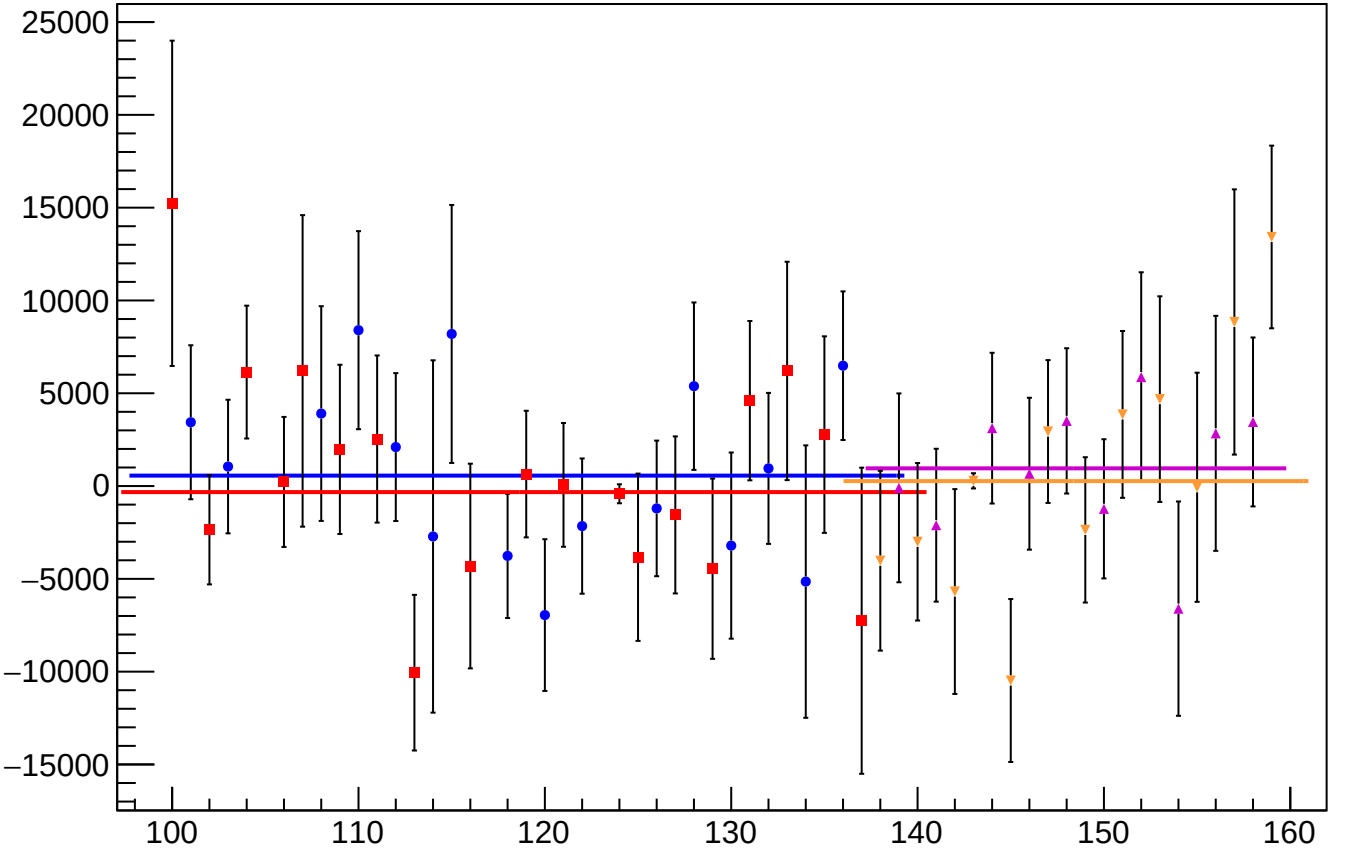
Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

+ sign 1846.743+/-0.324 χ^2/NDF: 984860.6/27

All: 1832.619+/-0.229 χ^2/NDF: 1366253.4/56

- sign 1818.539+/-0.323 χ^2/NDF: 377590.9/28

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

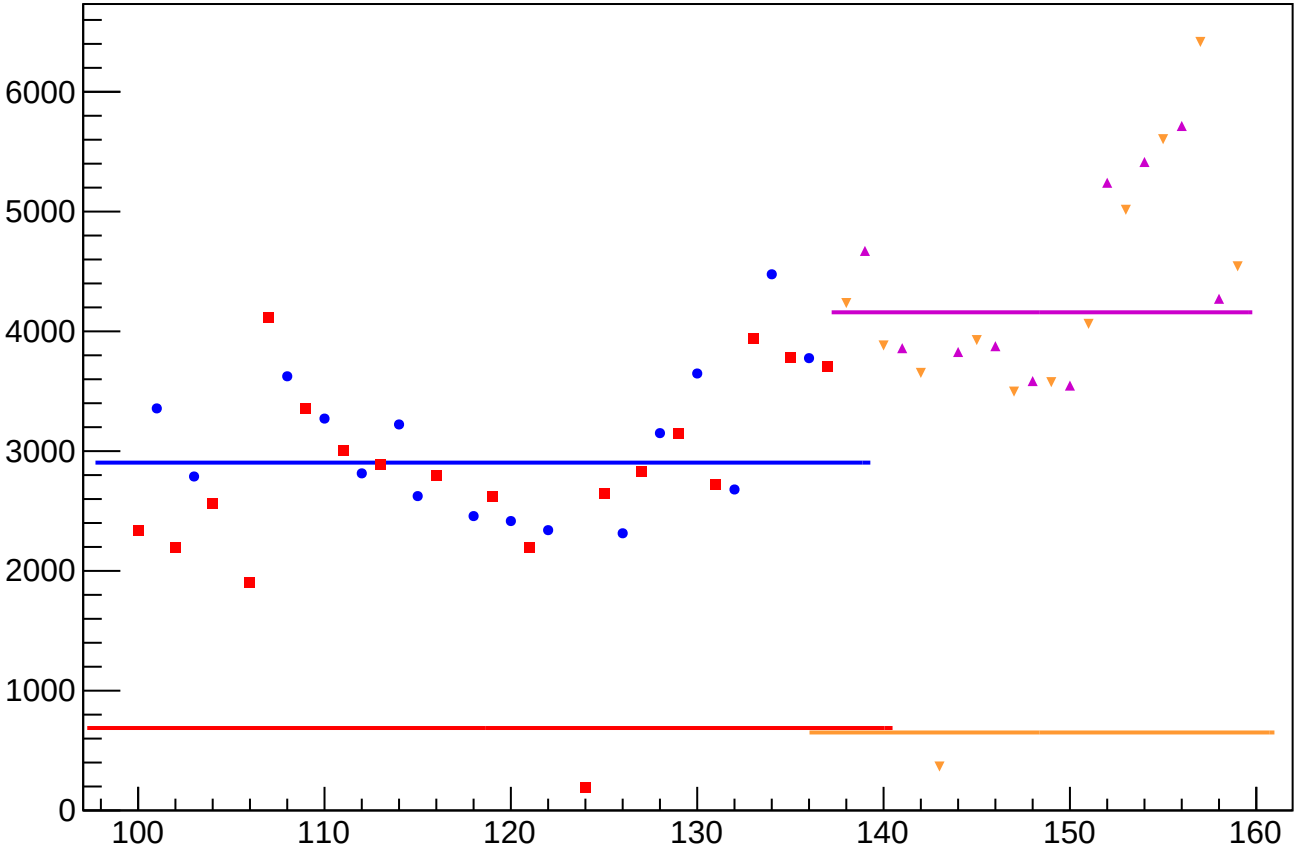
Left In: 954.132+/-1430.128 χ^2/NDF:4.5/9

+ sign 300.409+/-370.504 χ^2/NDF: 34.2/27

All: 87.904+/-282.368 χ^2/NDF: 59.5/56

- sign -206.553+/-436.134 χ^2/NDF: 24.5/28

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

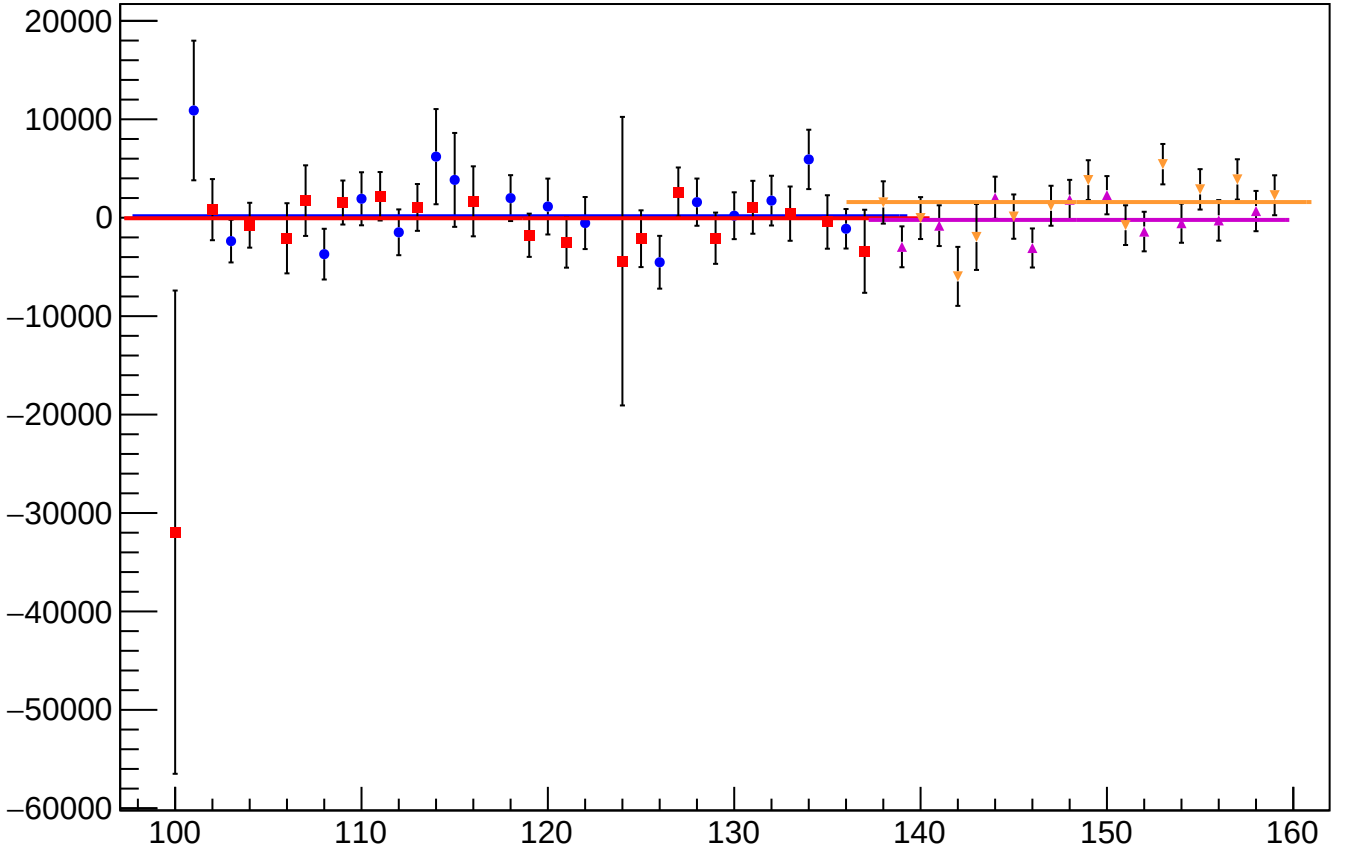
Left In: 4159.077+/-1.011 χ^2/NDF:439866.7/9

+ sign 906.103+/-0.262 χ^2/NDF: 21275159.8/27

All: 950.116+/-0.200 χ^2/NDF: 42615311.8/56

- sign 1011.104+/-0.308 χ^2/NDF: 21272818.9/28

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

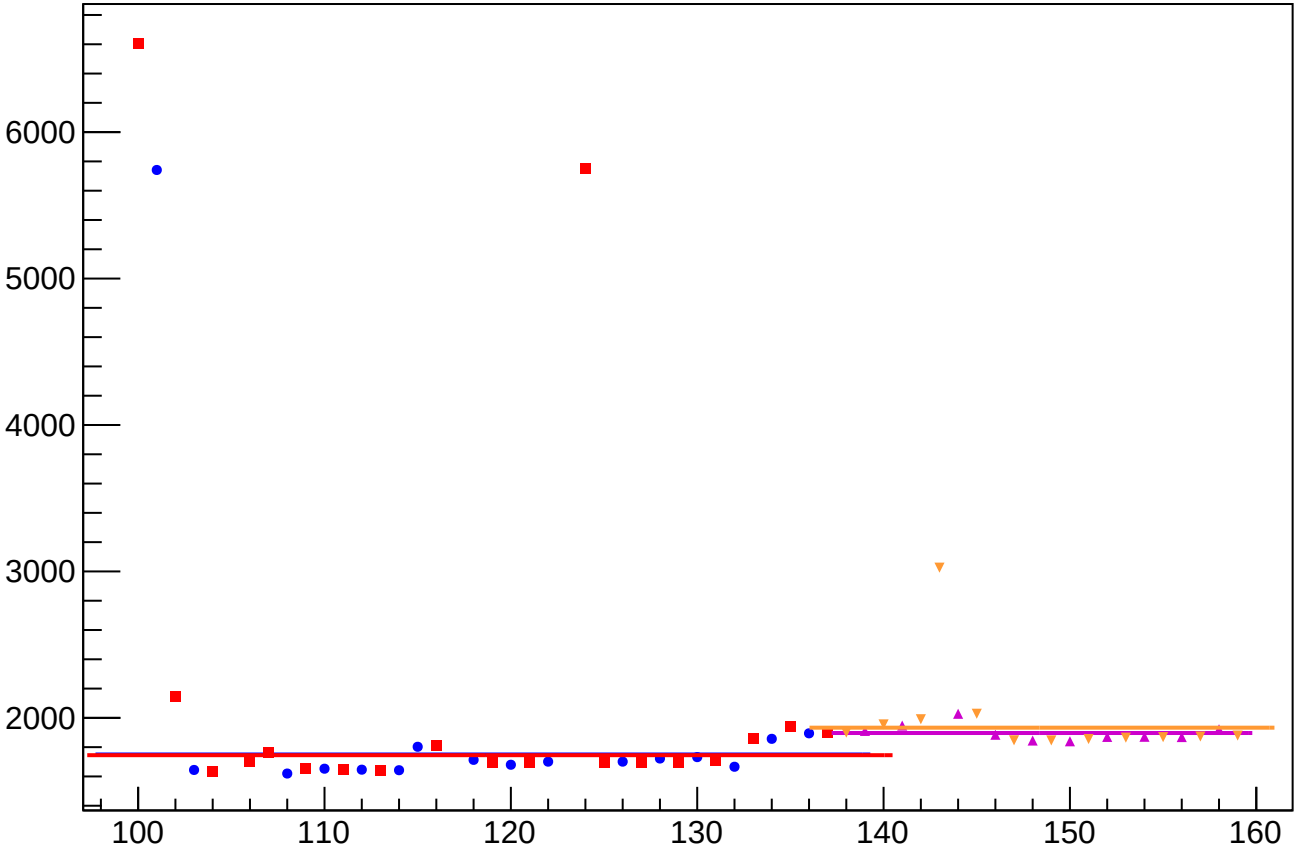
Left In: -221.993+/-642.364 χ^2/NDF:8.3/9

+ sign 912.744+/-457.788 χ^2/NDF: 36.5/27

All: 387.563+/-324.032 χ^2/NDF: 56.4/56

- sign -139.744+/-458.714 χ^2/NDF: 17.3/28

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

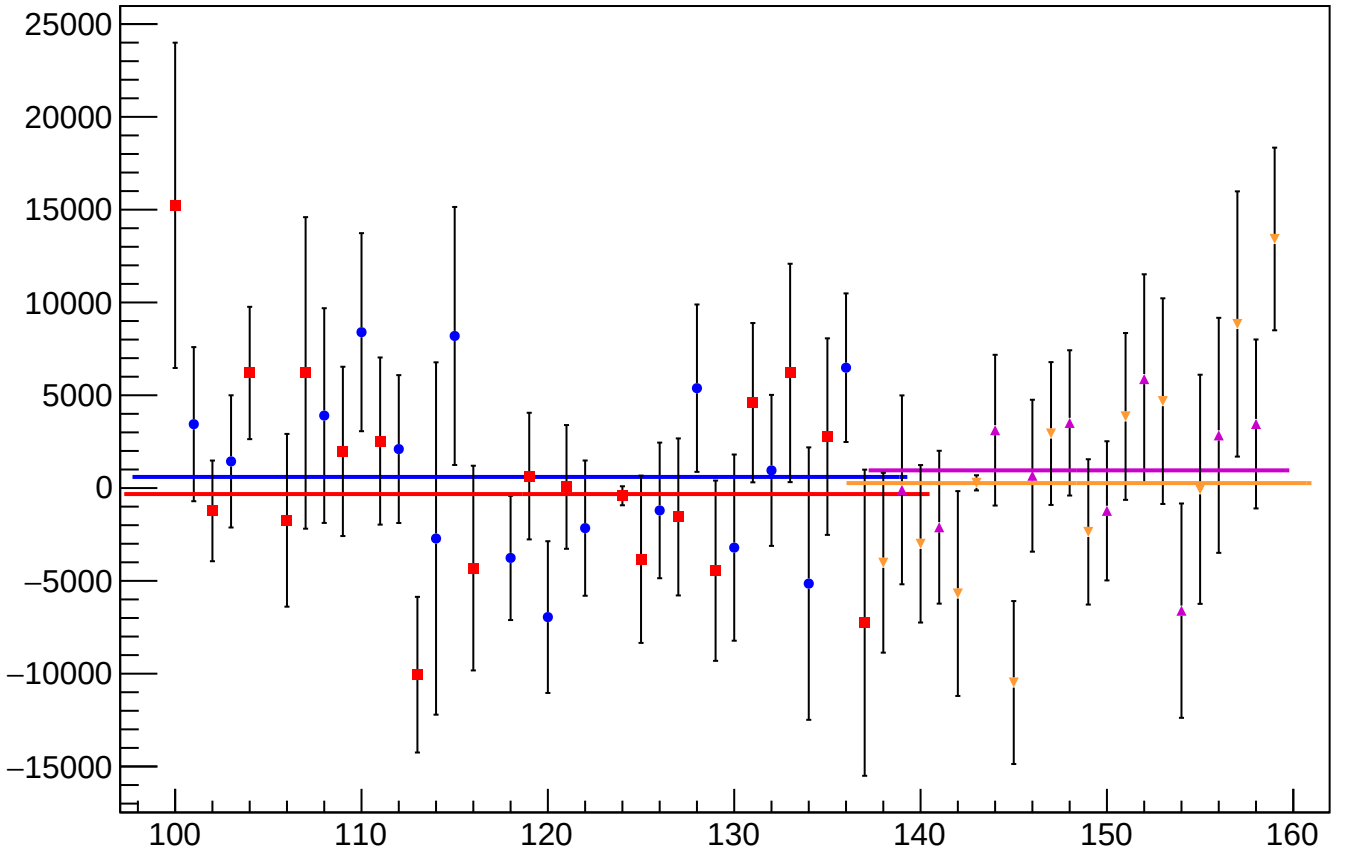
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

+ sign 1846.743+/-0.324 χ^2/NDF: 984861.1/27

All: 1834.433+/-0.229 χ^2/NDF: 1353670.5/56

- sign 1822.119+/-0.324 χ^2/NDF: 365916.5/28



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

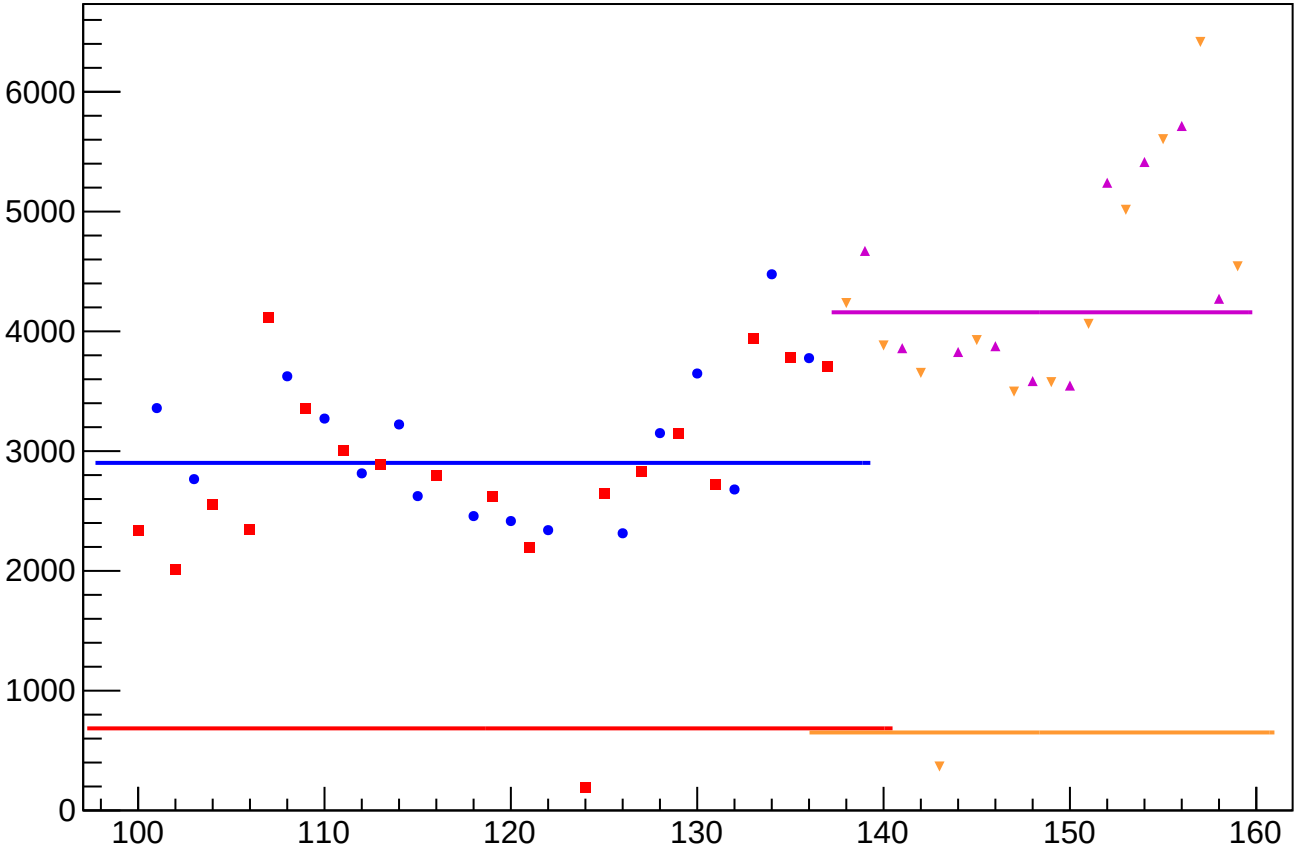
Left In: 954.243+/-1430.125 χ^2/NDF:4.5/9

+ sign 305.623+/-370.491 χ^2/NDF: 34.3/27

All: 92.489+/-282.577 χ^2/NDF: 59.3/56

- sign -203.932+/-436.923 χ^2/NDF: 24.2/28

asym_atr1l2_dd_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

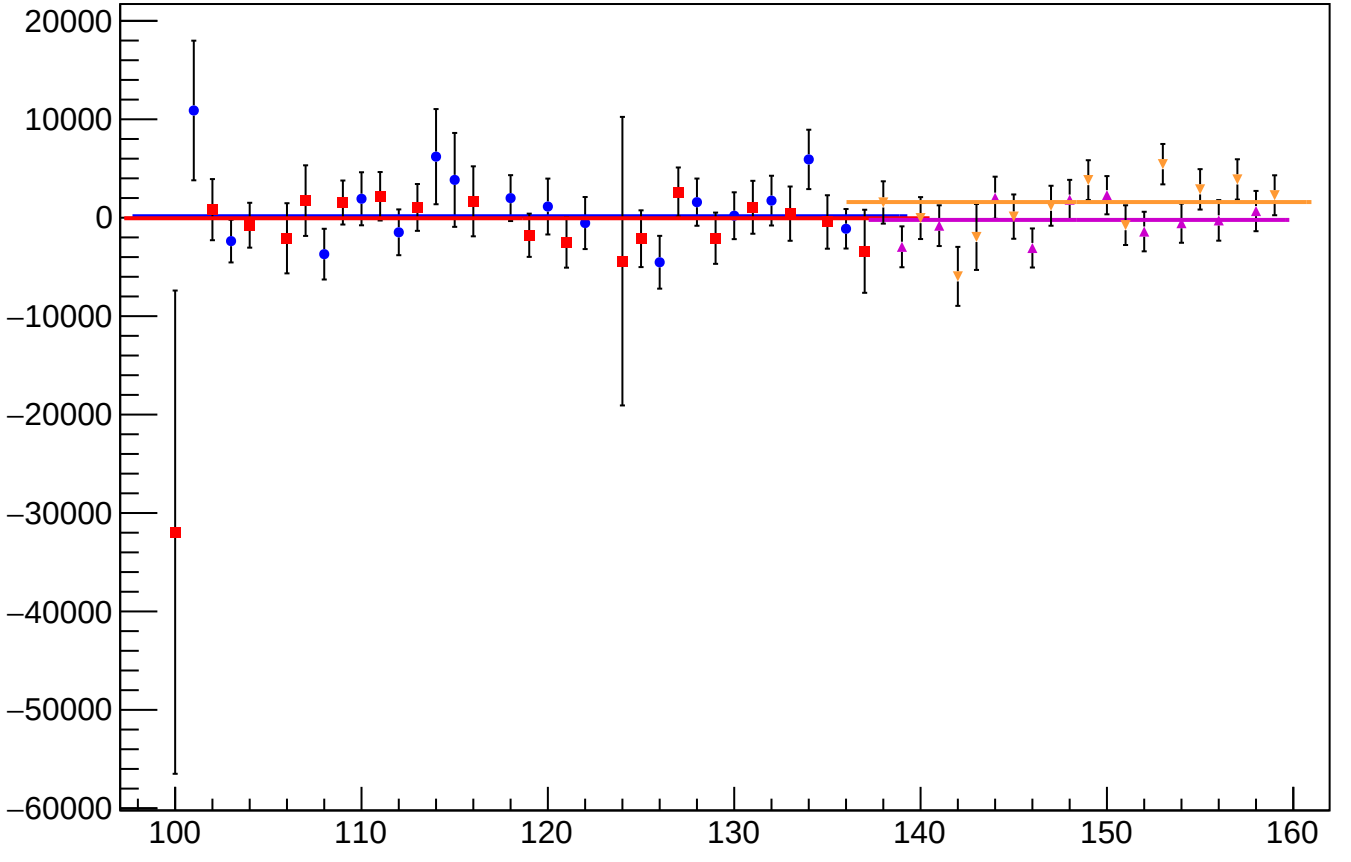
Left In: 4159.068+/-1.011 χ^2/NDF:439875.2/9

+ sign 906.392+/-0.262 χ^2/NDF: 21273090.6/27

All: 949.519+/-0.200 χ^2/NDF: 42582456.3/56

- sign 1009.498+/-0.309 χ^2/NDF: 21244576.7/28

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

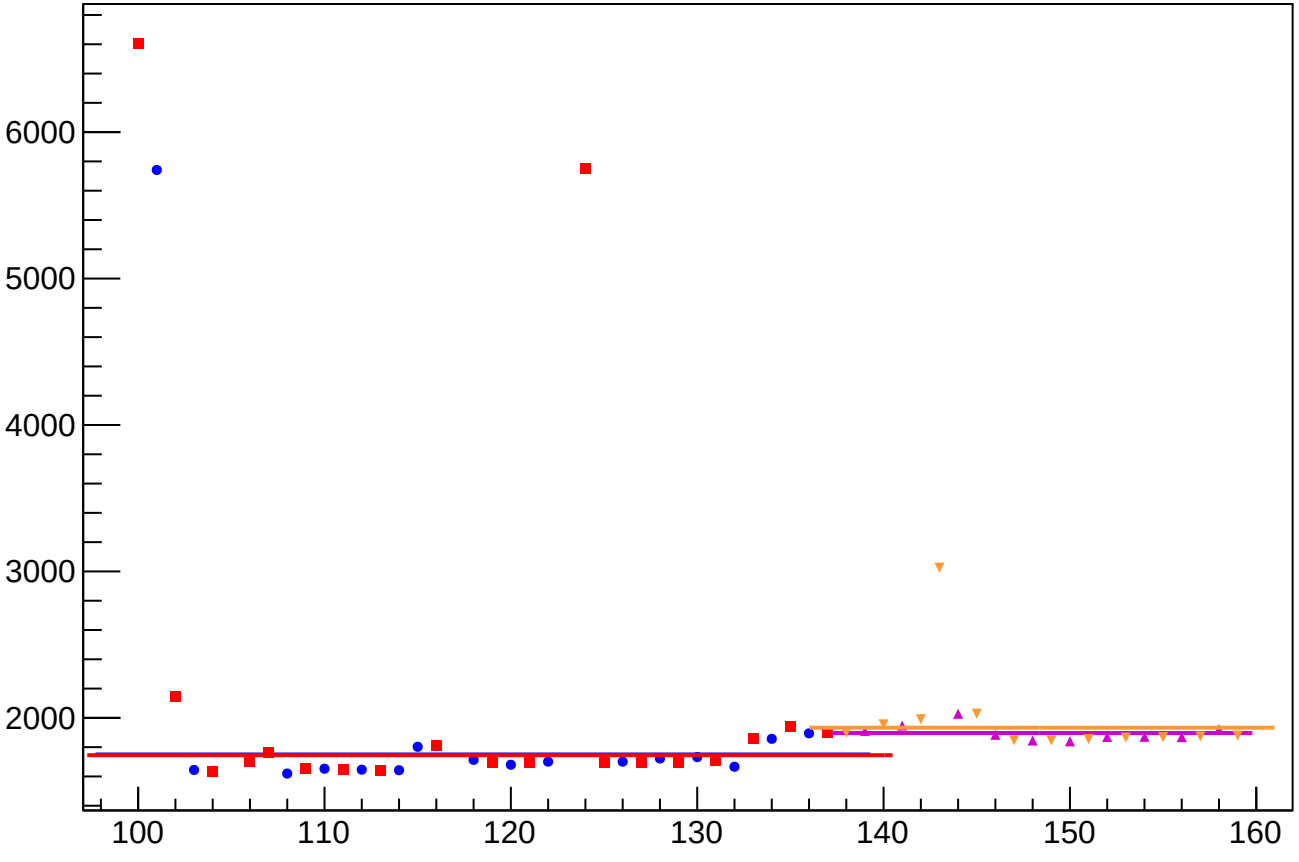
Left In: -221.993+/-642.364 χ^2/NDF:8.3/9

+ sign 912.744+/-457.788 χ^2/NDF: 36.5/27

All: 387.563+/-324.032 χ^2/NDF: 56.4/56

- sign -139.744+/-458.714 χ^2/NDF: 17.3/28

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

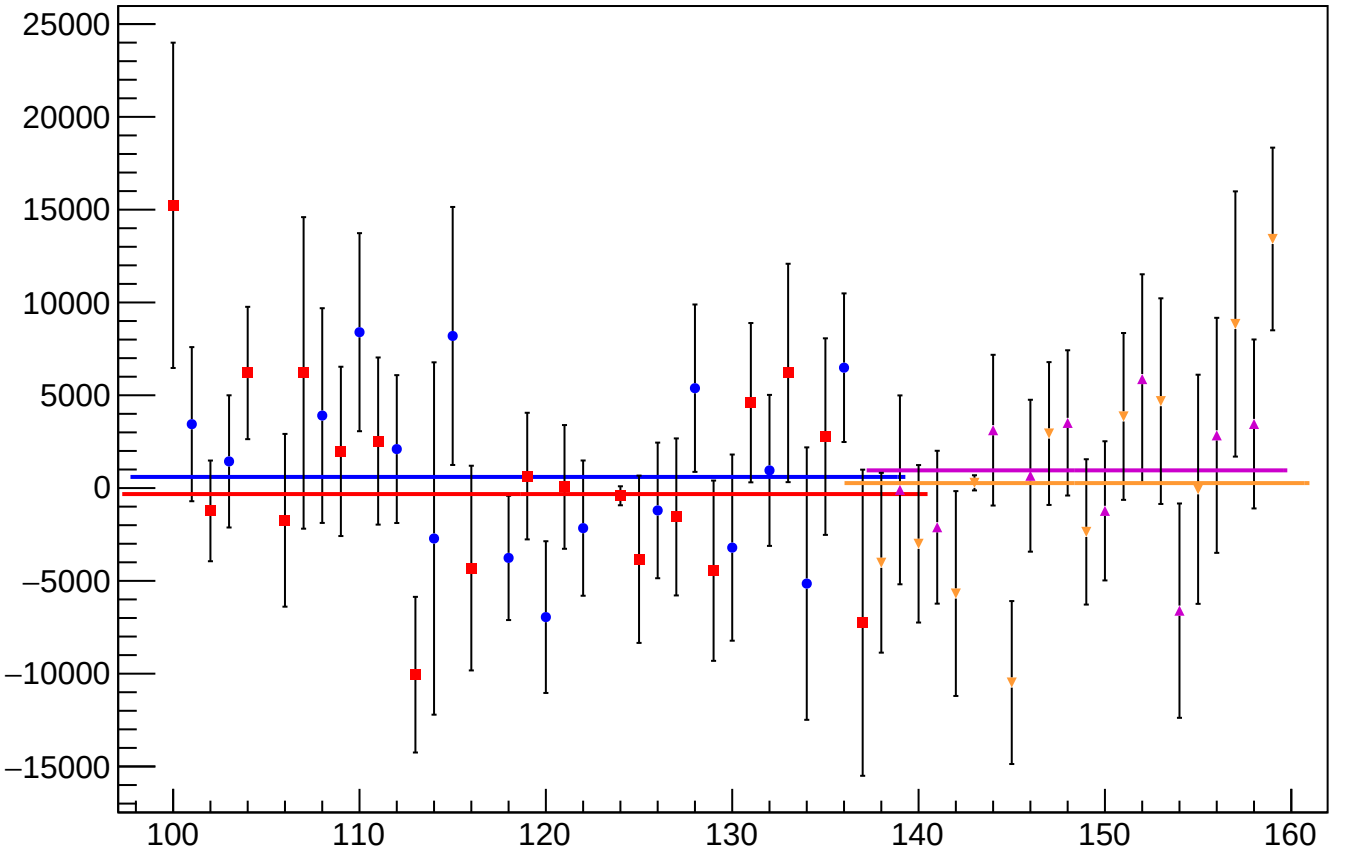
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.605+/-0.454 χ^2/NDF:13271.2/9

+ sign 1846.743+/-0.324 χ^2/NDF: 984861.1/27

All: 1834.433+/-0.229 χ^2/NDF: 1353670.5/56

- sign 1822.119+/-0.324 χ^2/NDF: 365916.5/28



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

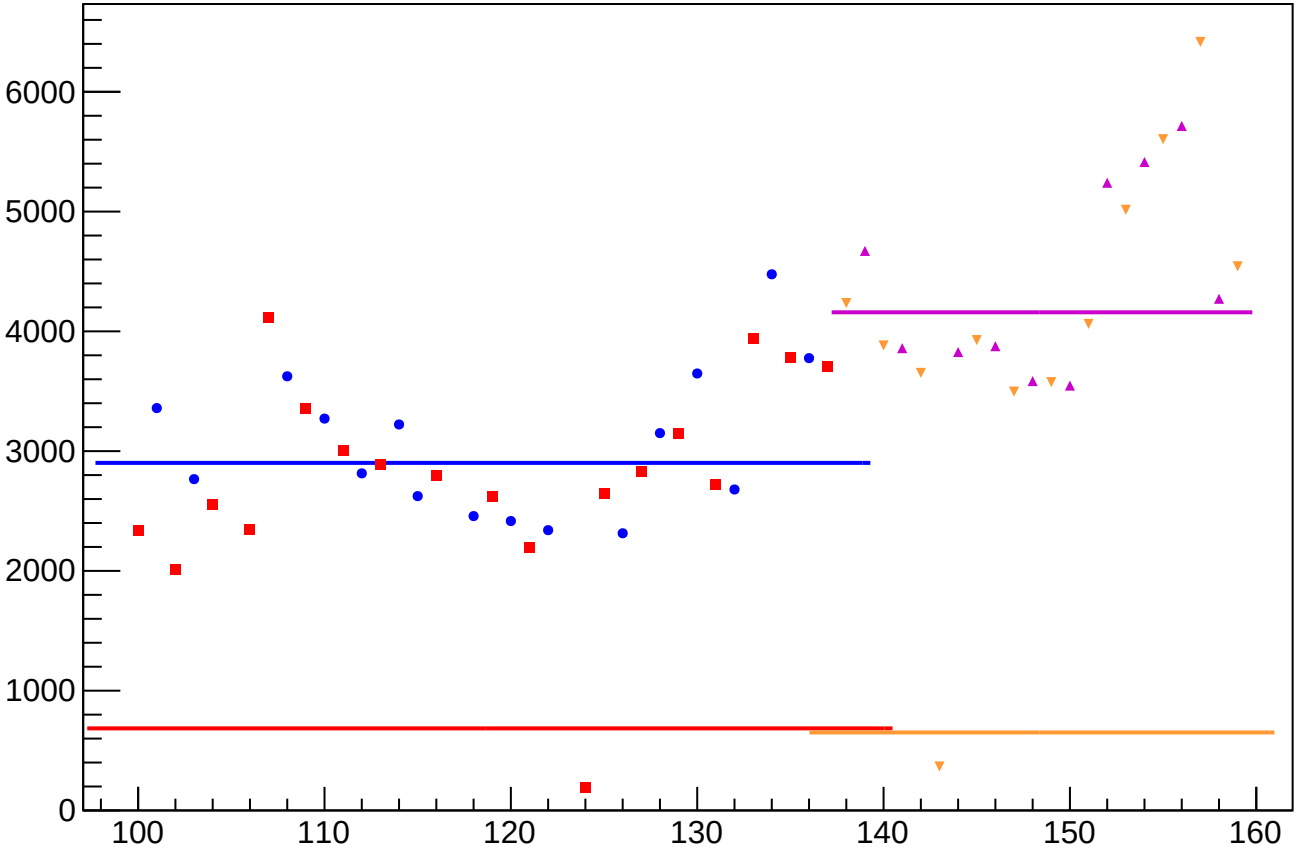
Left In: 954.243+/-1430.125 χ^2/NDF:4.5/9

+ sign 305.623+/-370.491 χ^2/NDF: 34.3/27

All: 92.489+/-282.577 χ^2/NDF: 59.3/56

- sign -203.932+/-436.923 χ^2/NDF: 24.2/28

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

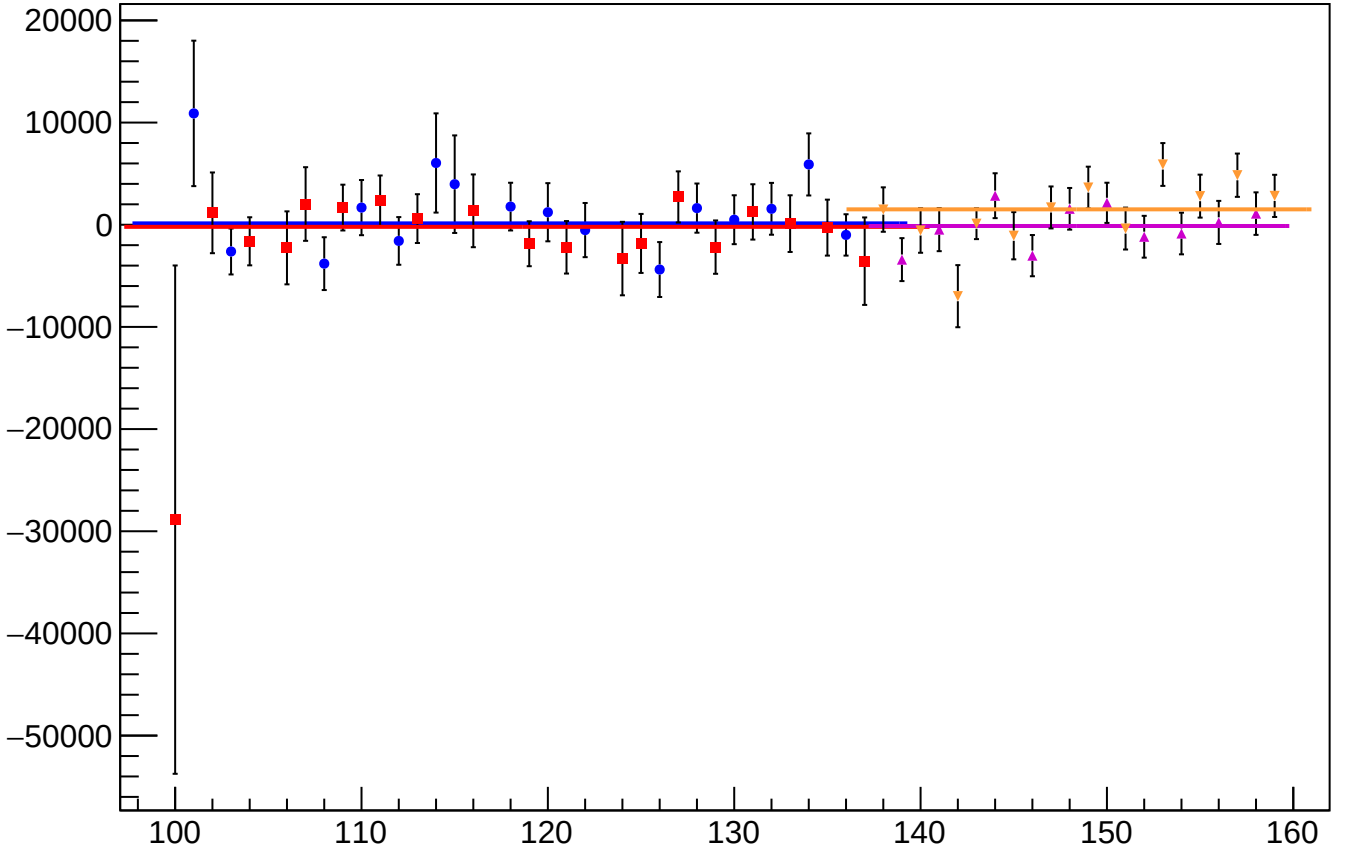
Left In: 4159.068+/-1.011 χ^2/NDF:439875.2/9

+ sign 906.392+/-0.262 χ^2/NDF: 21273090.6/27

All: 949.519+/-0.200 χ^2/NDF: 42582456.3/56

- sign 1009.498+/-0.309 χ^2/NDF: 21244576.7/28

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

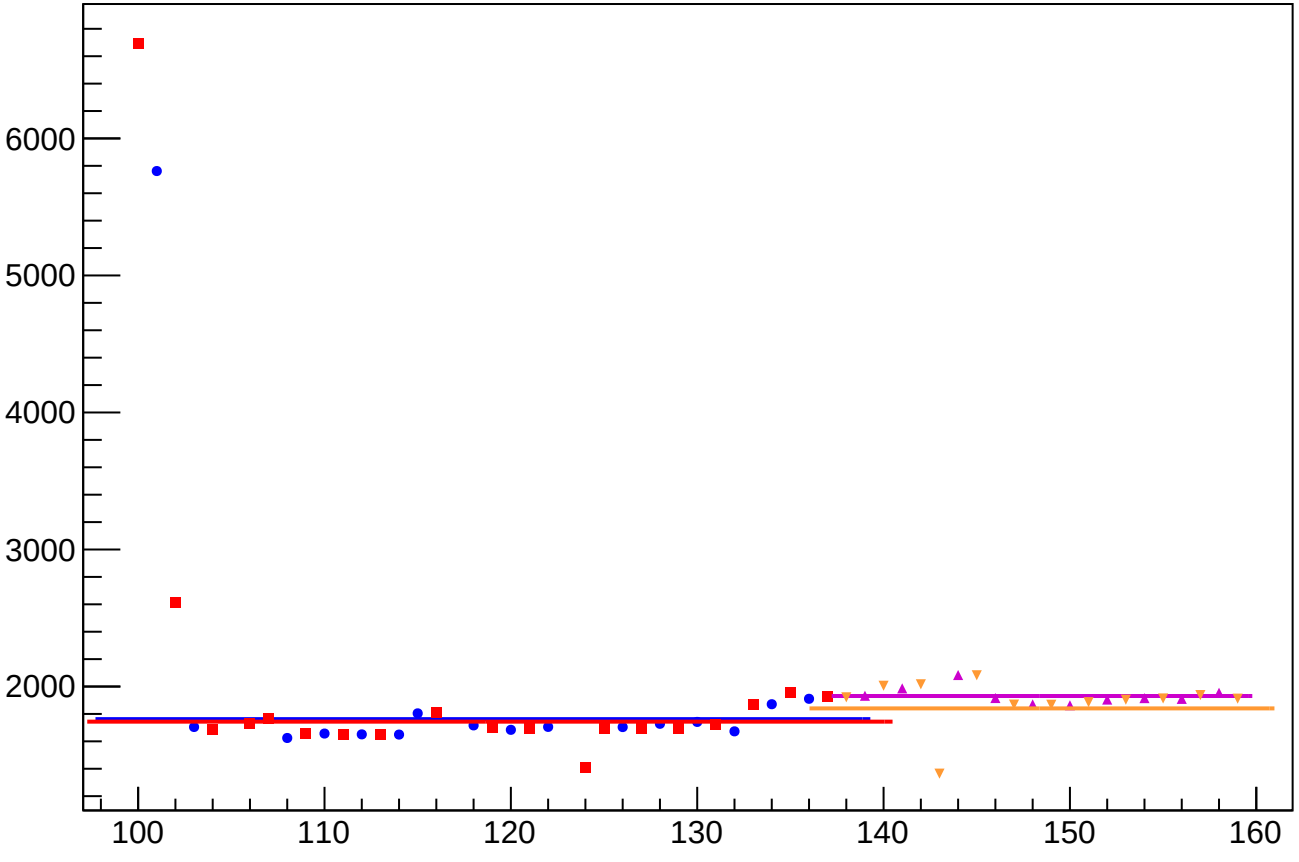
Left In: -122.455+/-654.048 χ^2/NDF:9.1/9

+ sign 897.656+/-447.301 χ^2/NDF: 40.0/27

All: 384.740+/-321.570 χ^2/NDF: 61.6/56

- sign -163.914+/-462.622 χ^2/NDF: 18.9/28

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

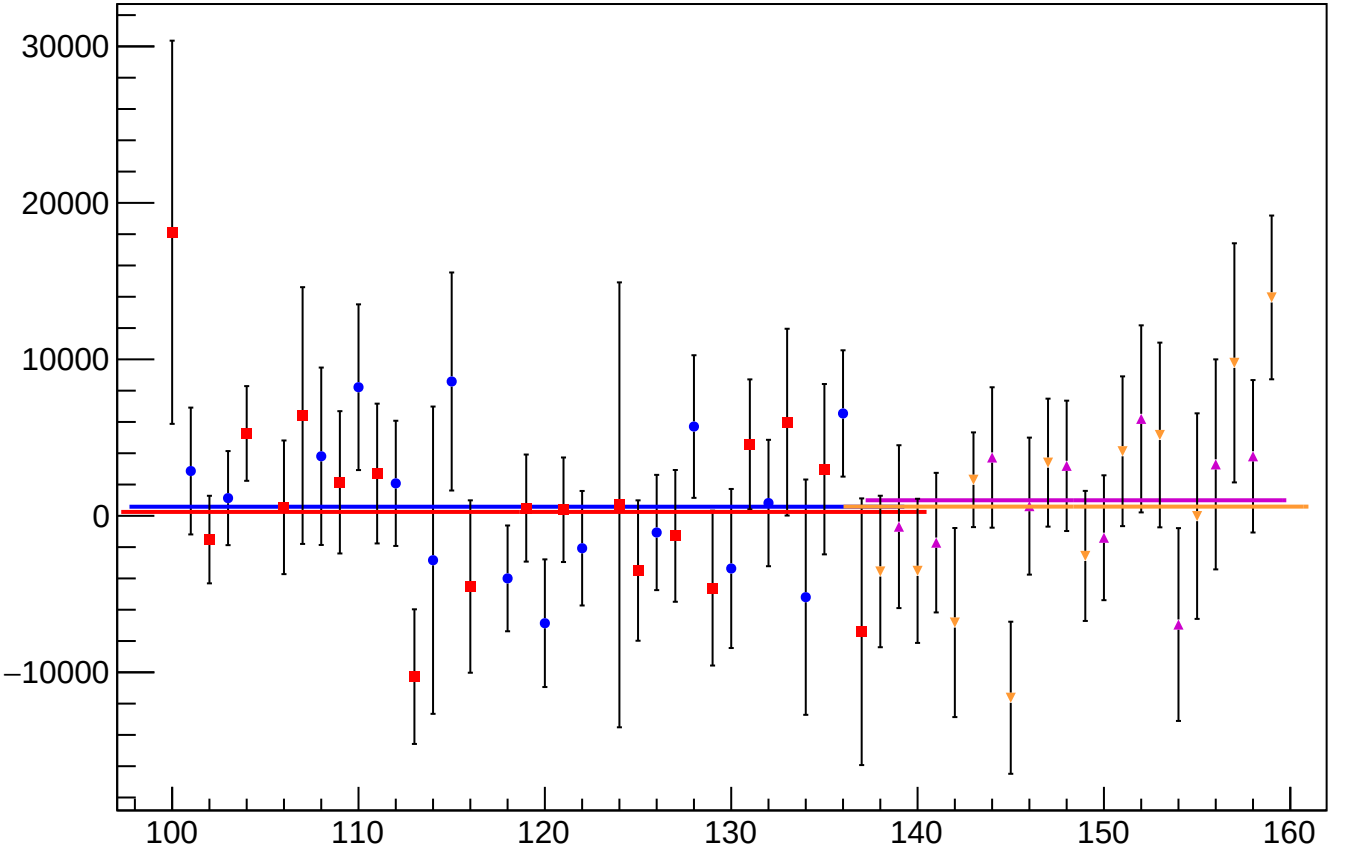
Left In: 1930.867+/-0.462 χ^2/NDF:16263.1/9

+ sign 1805.676+/-0.316 χ^2/NDF: 937022.6/27

All: 1820.873+/-0.227 χ^2/NDF: 1267876.9/56

- sign 1837.082+/-0.327 χ^2/NDF: 326083.3/28

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

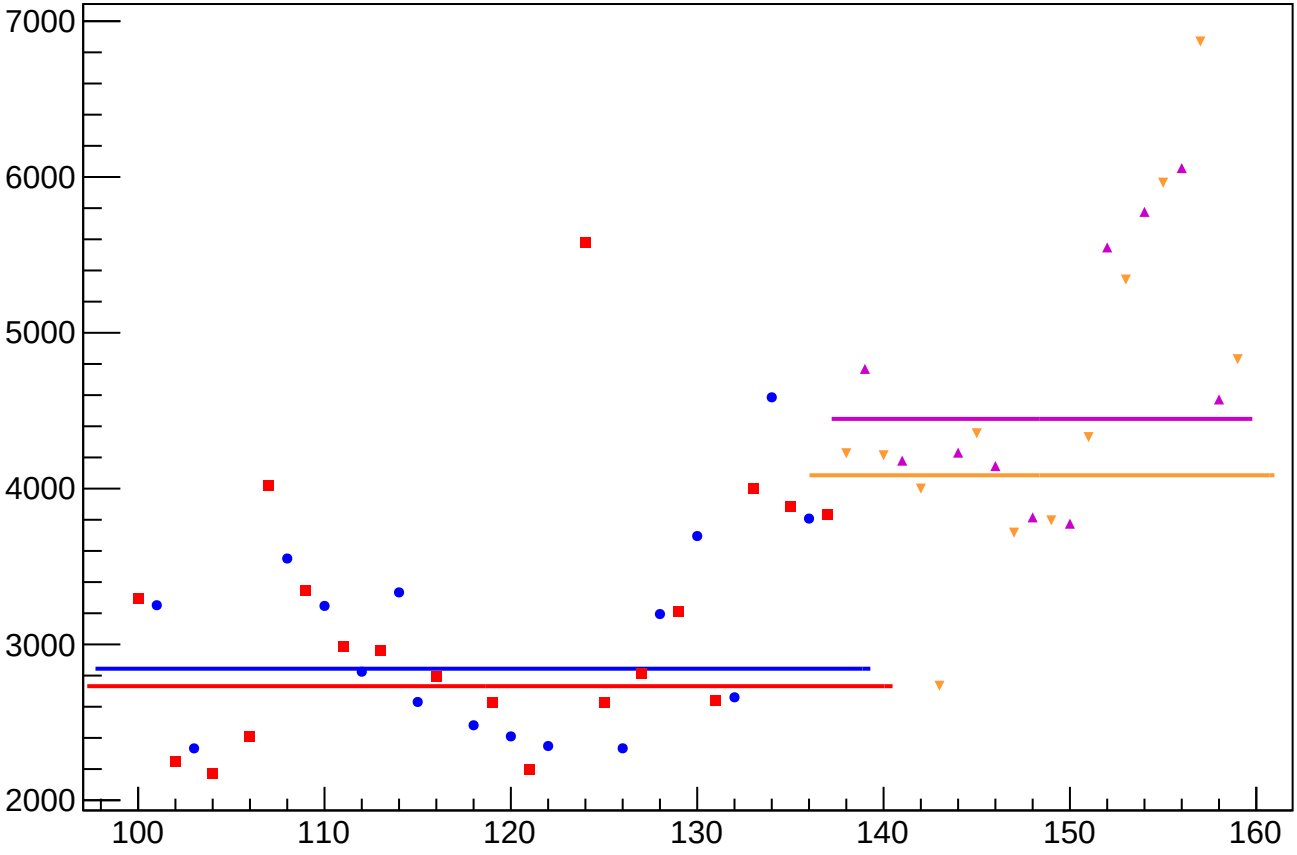
Left In: 995.044+/-1528.248 χ^2/NDF:4.4/9

+ sign 584.907+/-848.021 χ^2/NDF: 34.7/27

All: 532.552+/-599.978 χ^2/NDF: 57.2/56

- sign 480.079+/-848.974 χ^2/NDF: 22.4/28

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

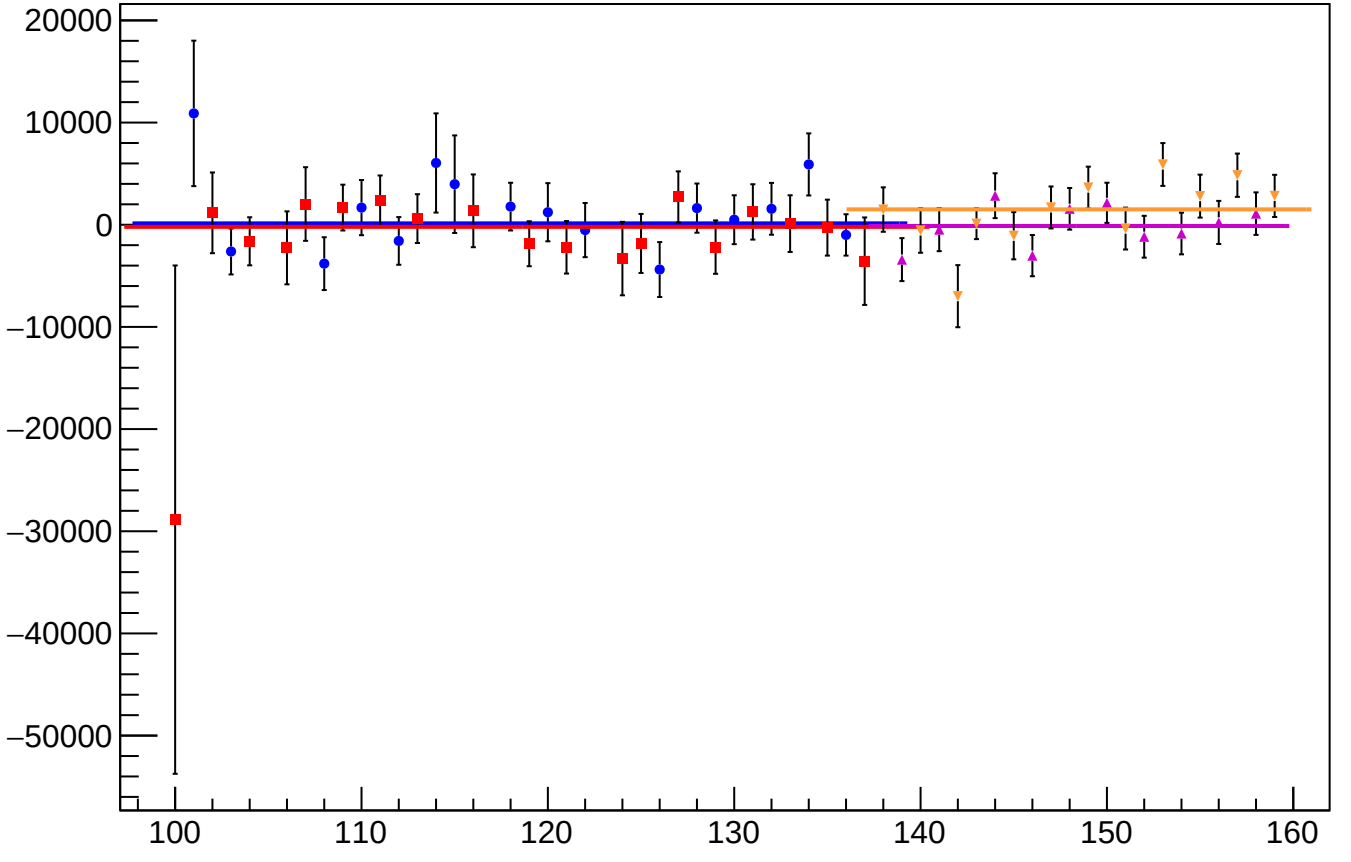
Left In: 4447.479+/-1.081 χ^2/NDF:409134.8/9

+ sign 3322.310+/-0.600 χ^2/NDF: 2556531.5/27

All: 3291.883+/-0.424 χ^2/NDF: 5324511.3/56

- sign 3261.388+/-0.600 χ^2/NDF: 2762824.6/28

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

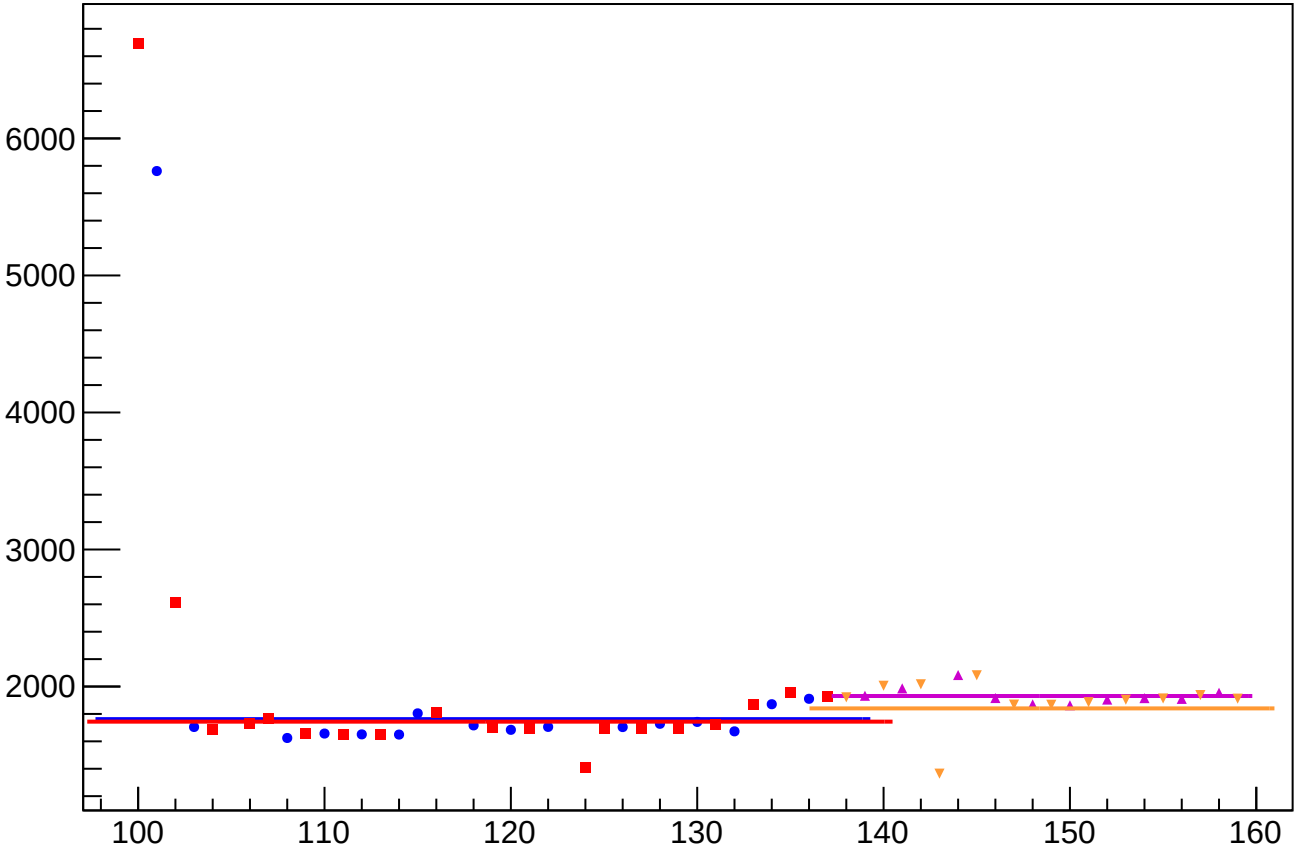
Left In: -122.450+/-654.049 χ^2/NDF:9.1/9

+ sign 897.655+/-447.301 χ^2/NDF: 40.0/27

All: 384.741+/-321.570 χ^2/NDF: 61.6/56

- sign -163.911+/-462.622 χ^2/NDF: 18.9/28

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

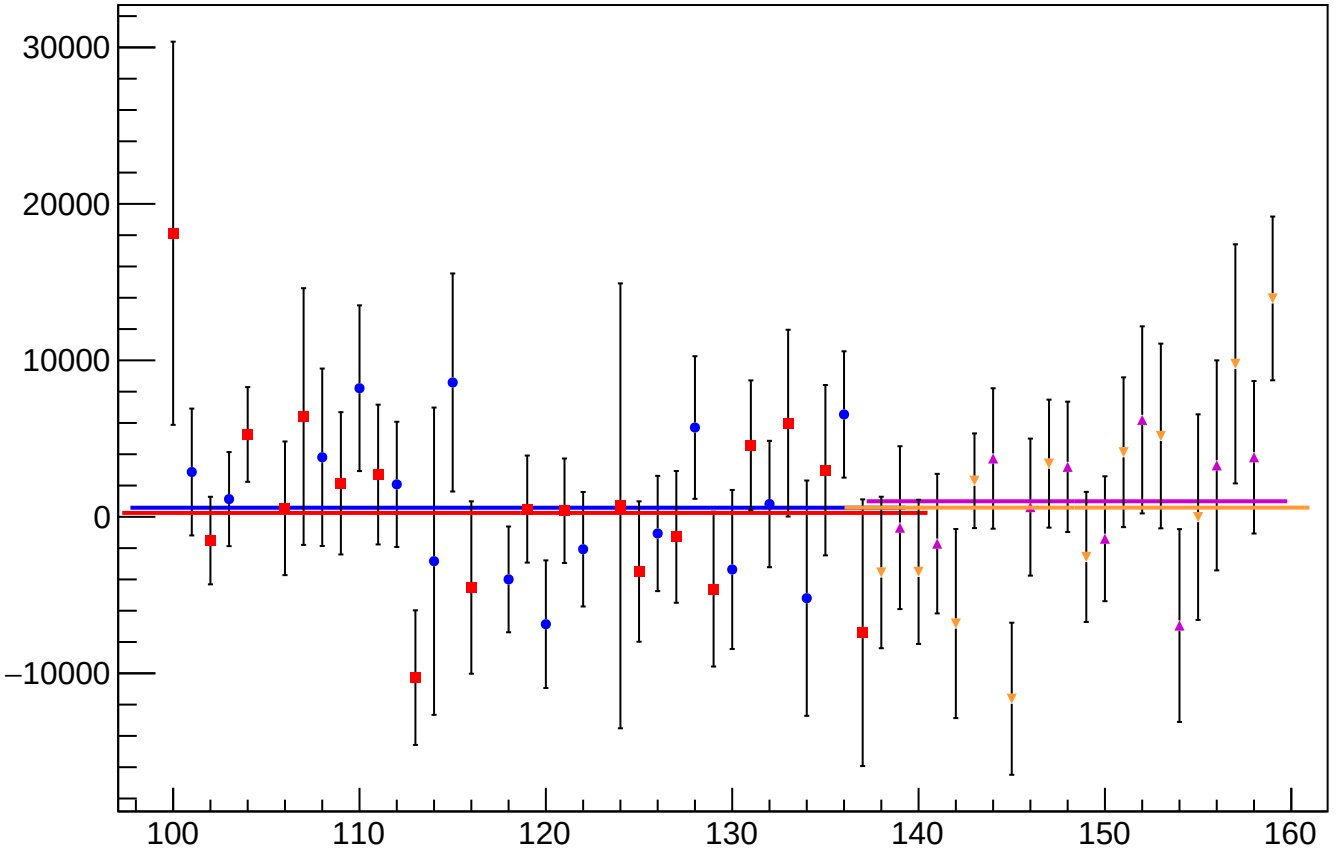
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1930.868+/-0.462 χ^2/NDF:16263.3/9

+ sign 1805.676+/-0.316 χ^2/NDF: 937024.2/27

All: 1820.873+/-0.227 χ^2/NDF: 1267879.5/56

- sign 1837.082+/-0.327 χ^2/NDF: 326084.4/28



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

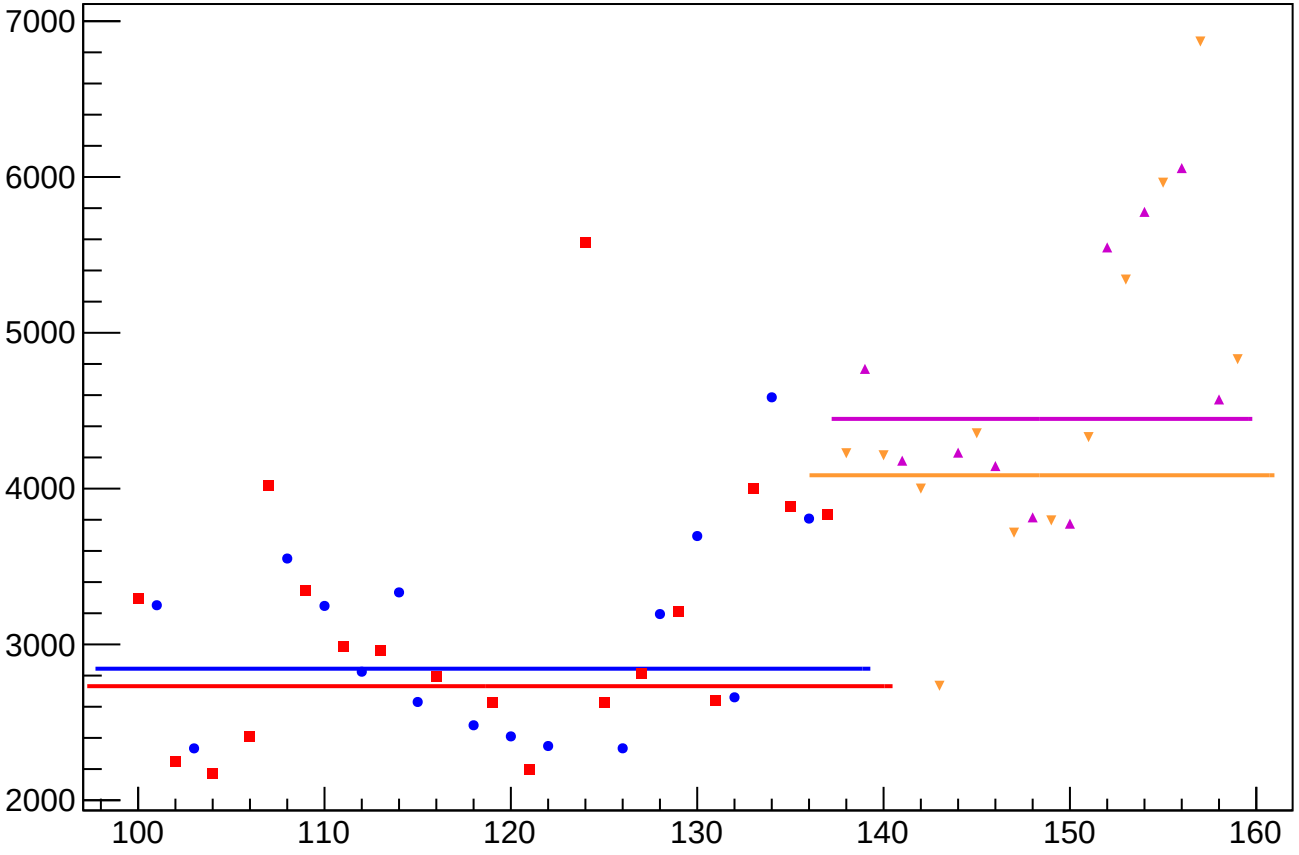
Left In: 995.047+/-1528.250 χ^2/NDF:4.4/9

+ sign 584.905+/-848.020 χ^2/NDF: 34.7/27

All: 532.551+/-599.977 χ^2/NDF: 57.2/56

- sign 480.079+/-848.973 χ^2/NDF: 22.4/28

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

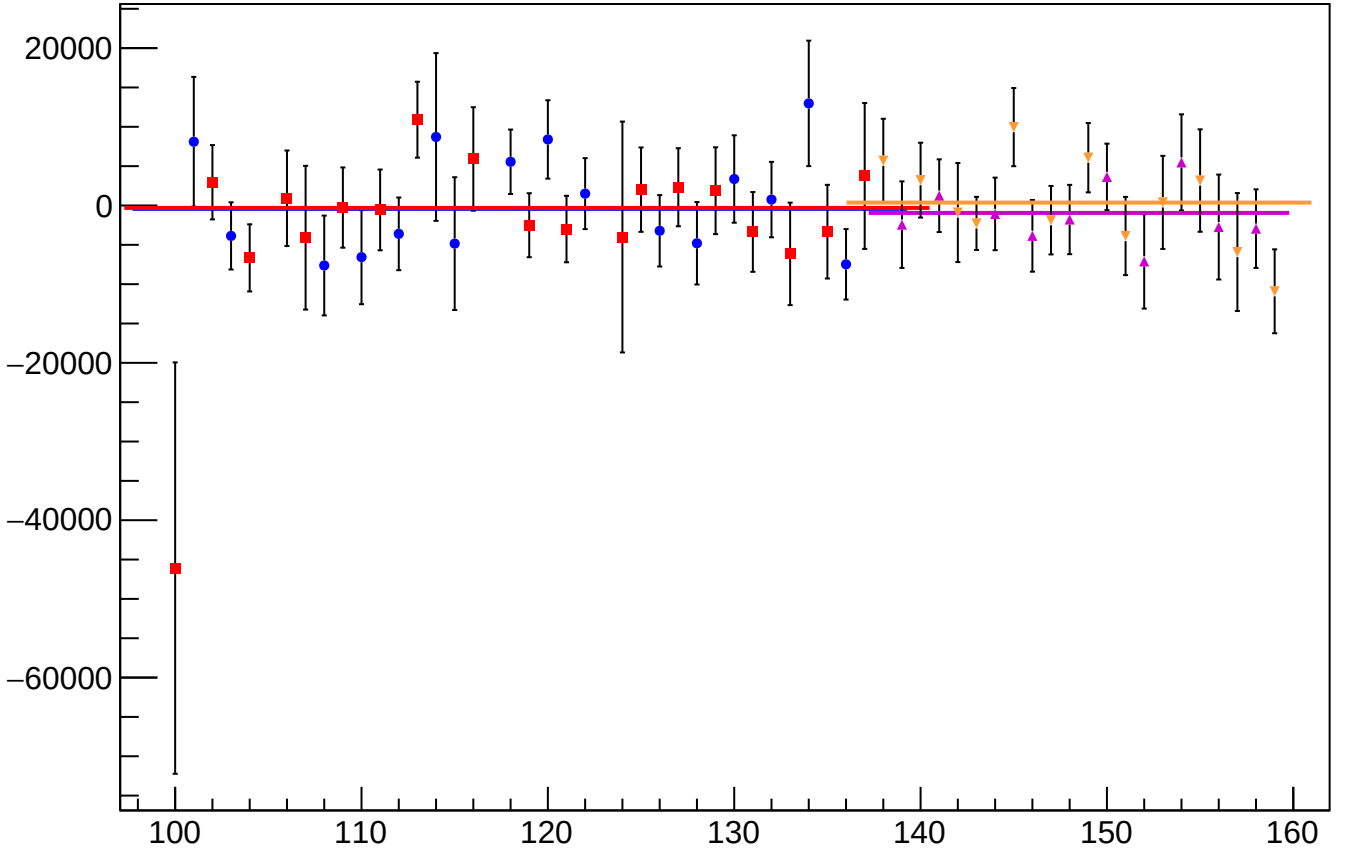
Left In: 4447.485+/-1.081 χ^2/NDF:409137.4/9

+ sign 3322.305+/-0.600 χ^2/NDF: 2556560.7/27

All: 3291.878+/-0.424 χ^2/NDF: 5324562.8/56

- sign 3261.383+/-0.600 χ^2/NDF: 2762846.9/28

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

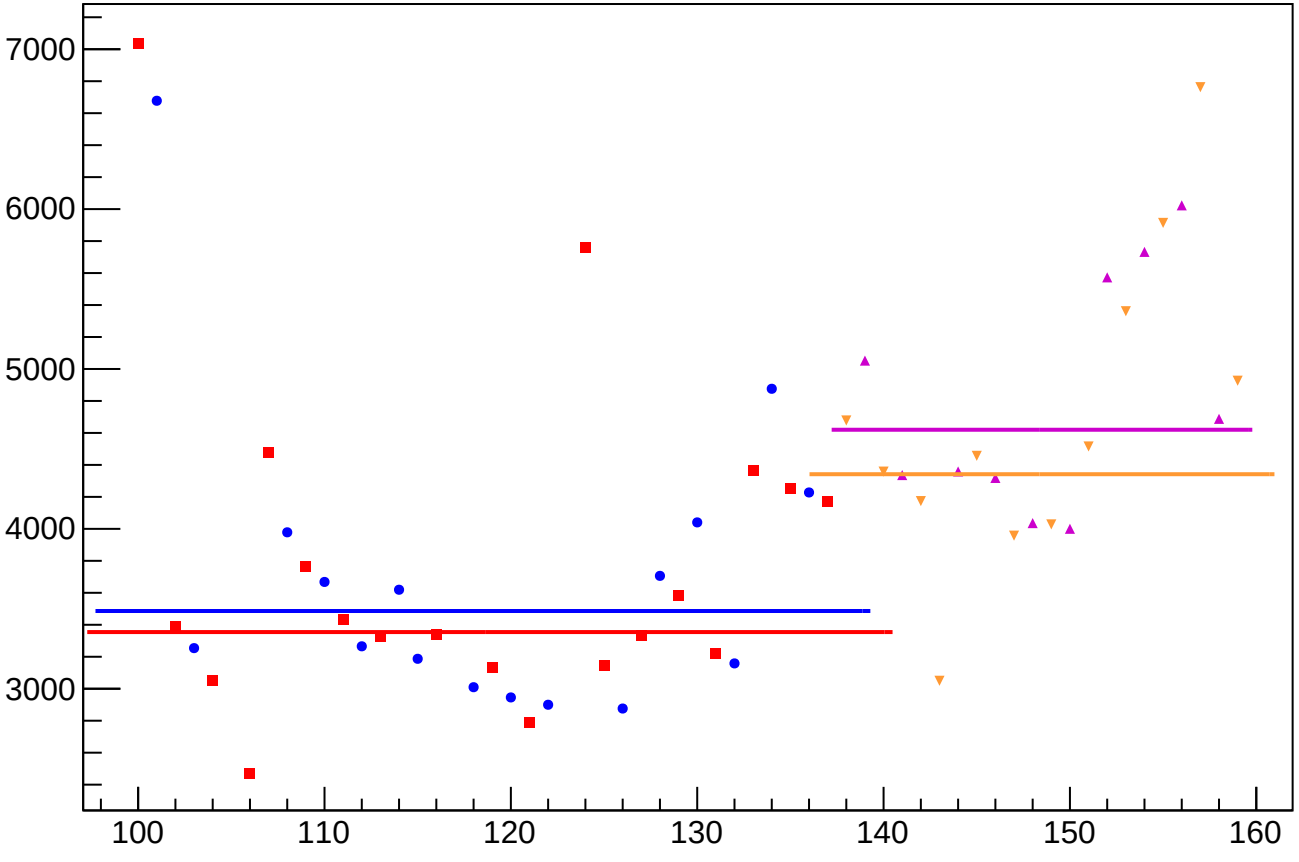
Left In: -943.694+/-1581.585 χ^2/NDF:4.3/9

\+ sign -58.943+/-975.733 χ^2/NDF: 31.8/27

All: -304.331+/-695.958 χ^2/NDF: 51.6/56

\- sign -558.461+/-992.960 χ^2/NDF: 19.7/28

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

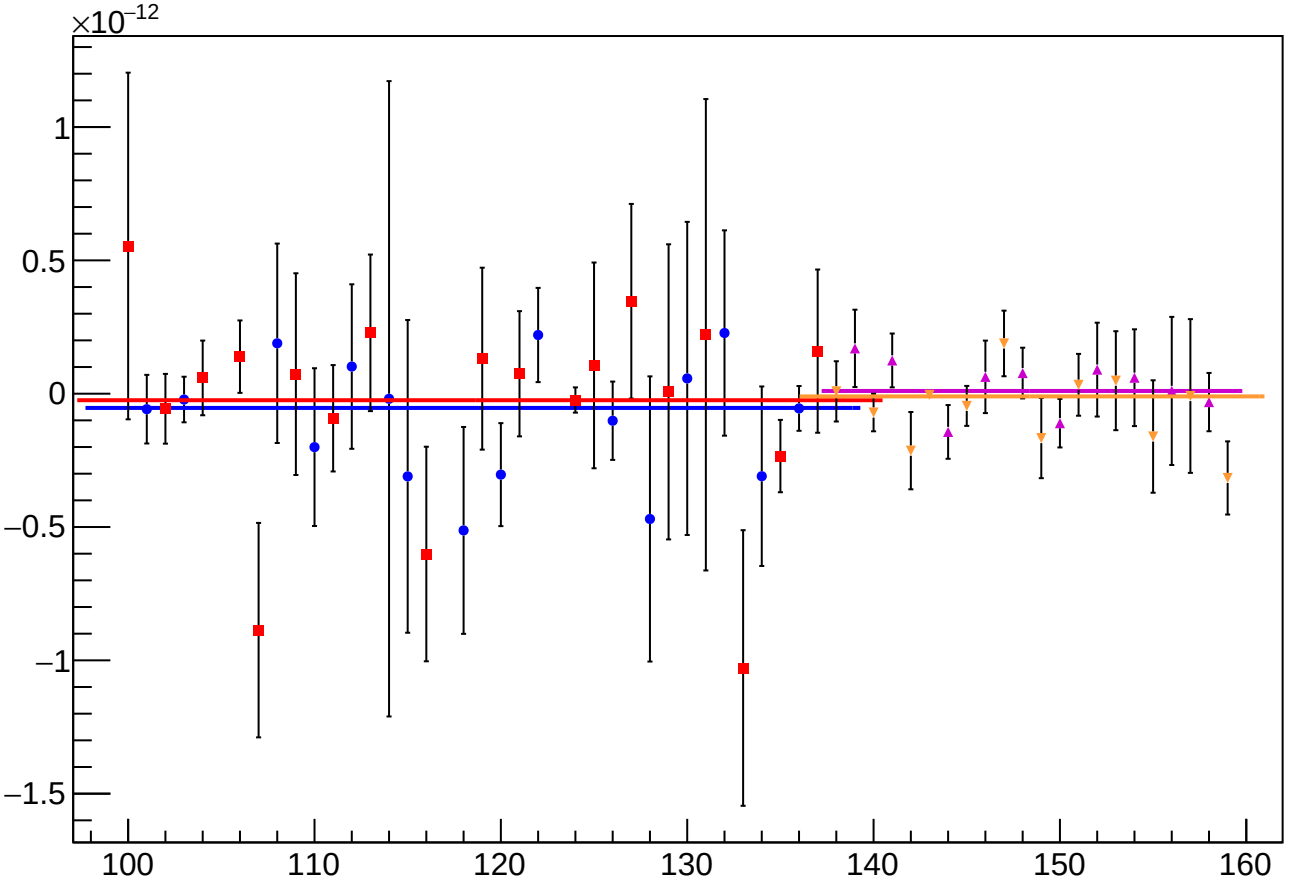
Left In: 4619.924+/-1.118 χ^2/NDF:318873.1/9

+ sign 3879.378+/-0.690 χ^2/NDF: 1717960.8/27

All: 3862.235+/-0.490 χ^2/NDF: 3198815.7/56

- sign 3844.782+/-0.696 χ^2/NDF: 1479608.9/28

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/11

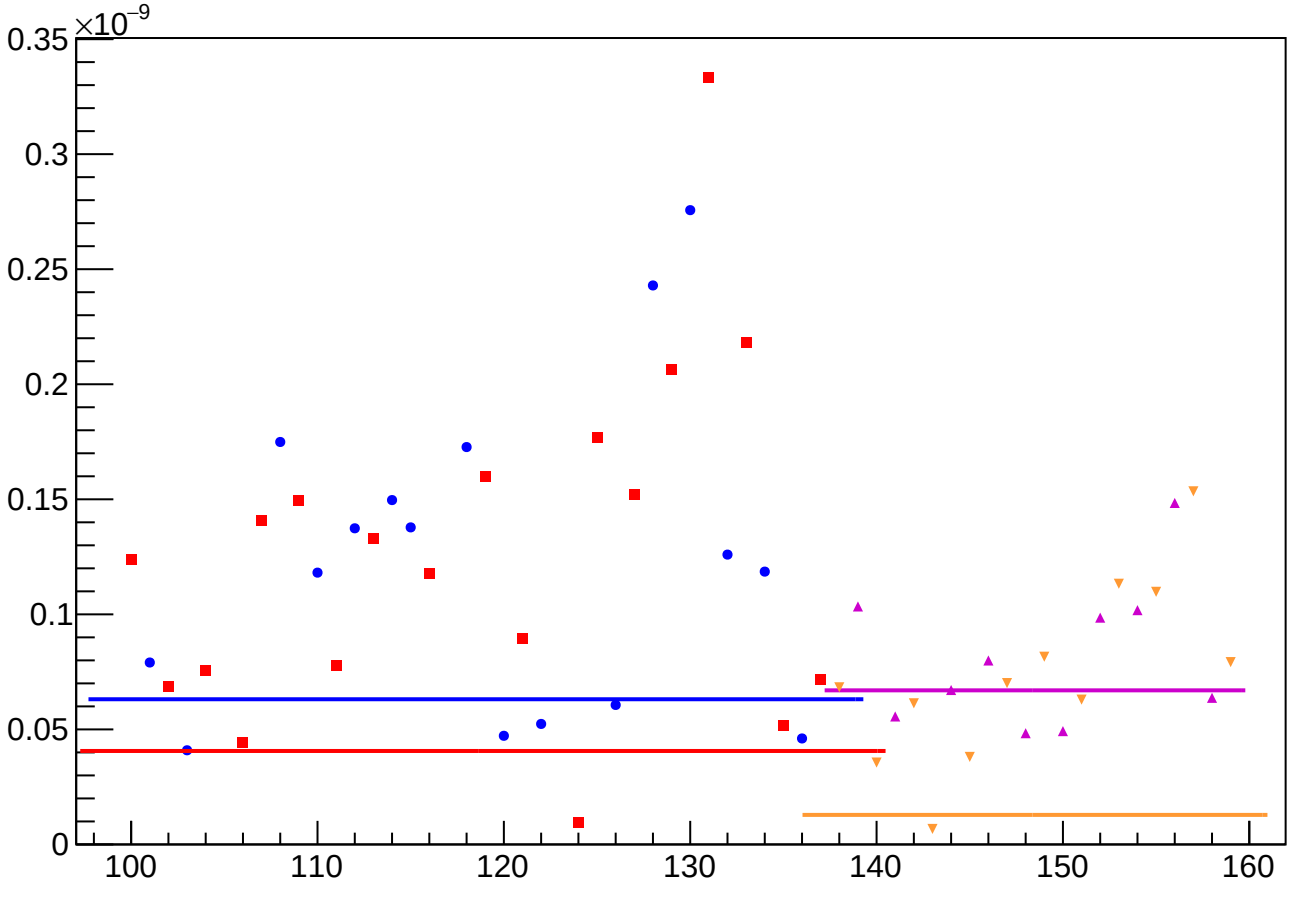
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 22.0/27

All: -0.000+/-0.000 χ^2/NDF: 48.5/56

- sign -0.000+/-0.000 χ^2/NDF: 26.5/28



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

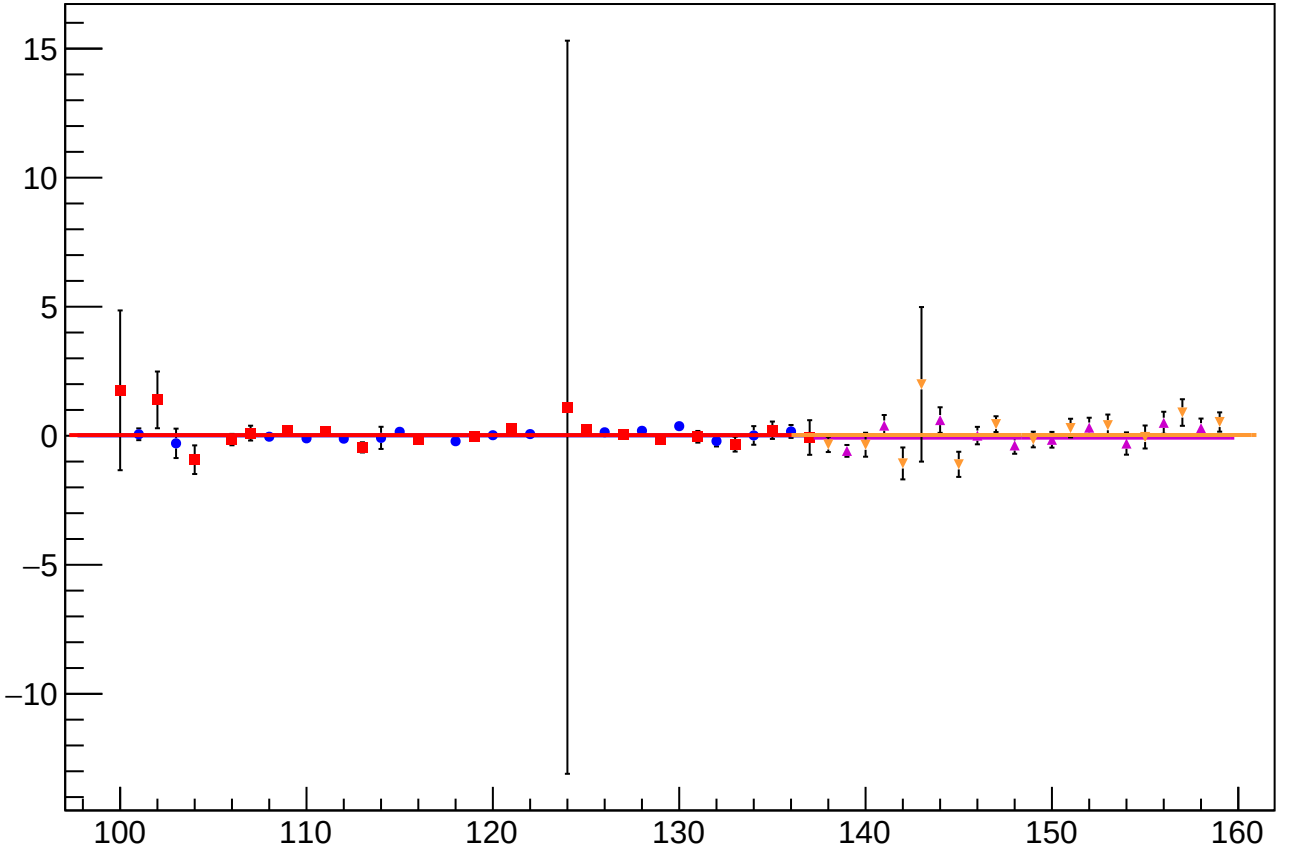
Left In: 0.000+/-0.000 χ^2/NDF:634287.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 8575836.9/27

All: 0.000+/-0.000 χ^2/NDF: 16179858.1/56

- sign 0.000+/-0.000 χ^2/NDF: 4315510.2/28

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

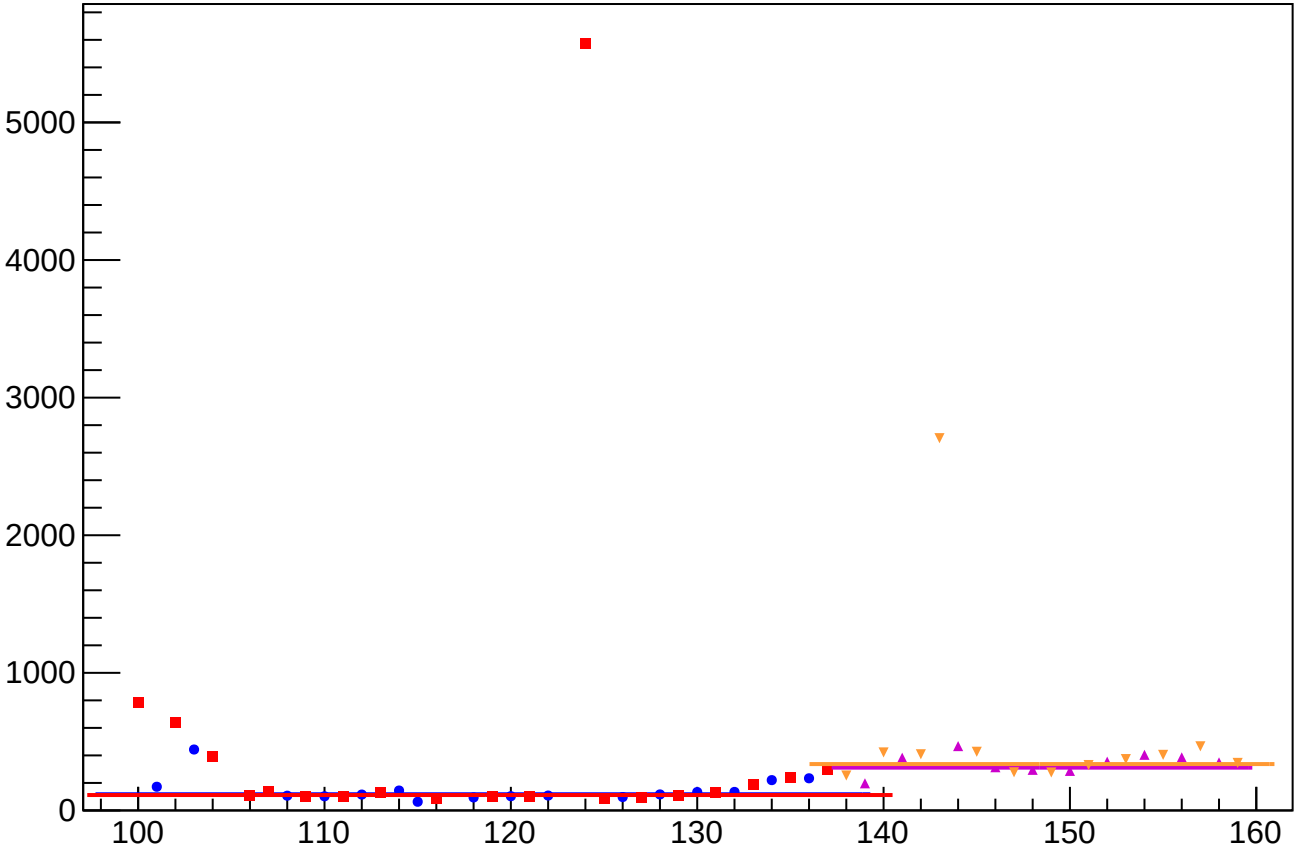
Left In: -0.074+/-0.110 χ^2/NDF:13.3/9

\+ sign 0.017+/-0.044 χ^2/NDF: 31.4/27

All: 0.014+/-0.031 χ^2/NDF: 67.5/56

\- sign 0.010+/-0.043 χ^2/NDF: 36.1/28

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

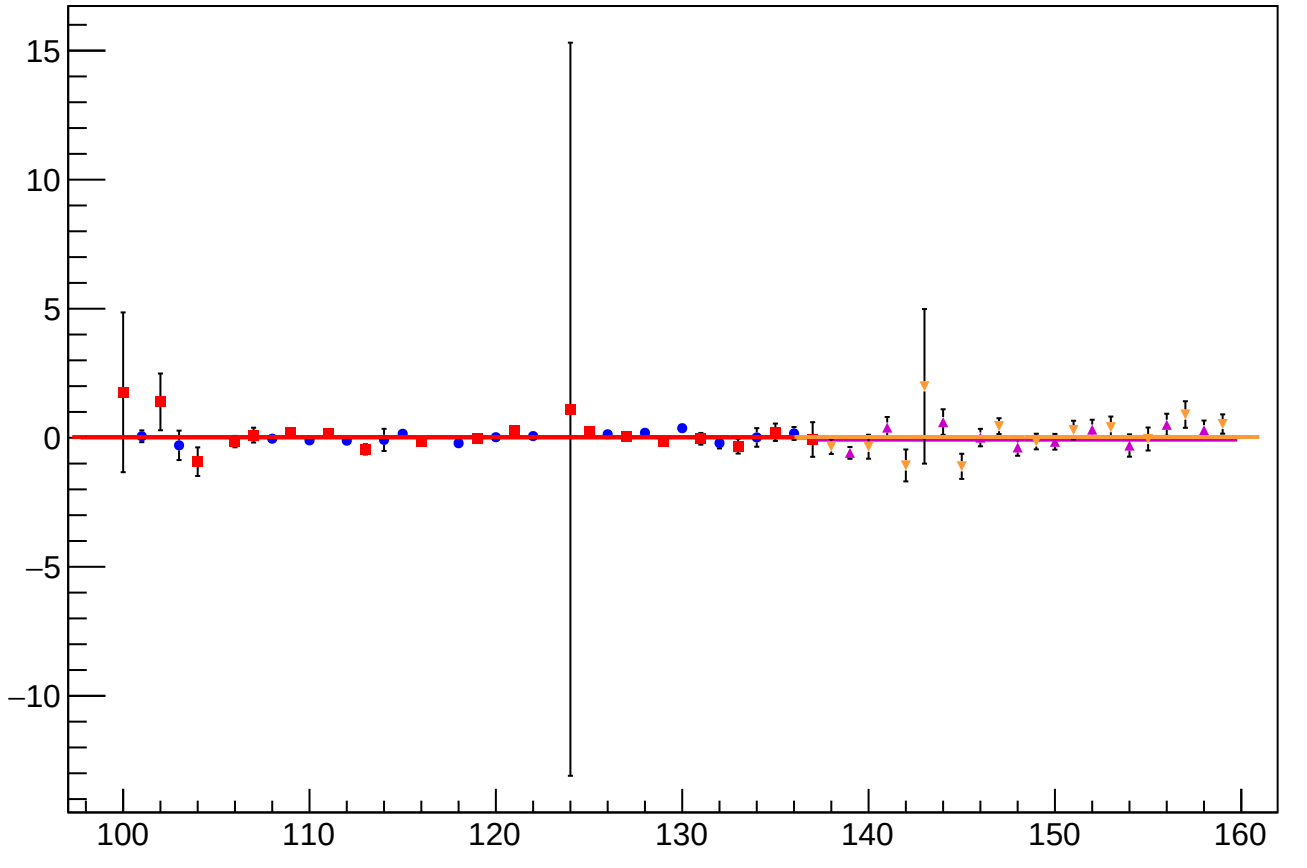
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 311.125+/-0.078 χ^2/NDF:975201.5/9

+ sign 149.559+/-0.031 χ^2/NDF: 9742663.5/27

All: 146.081+/-0.022 χ^2/NDF: 18490311.2/56

- sign 142.788+/-0.030 χ^2/NDF: 8723618.4/28



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

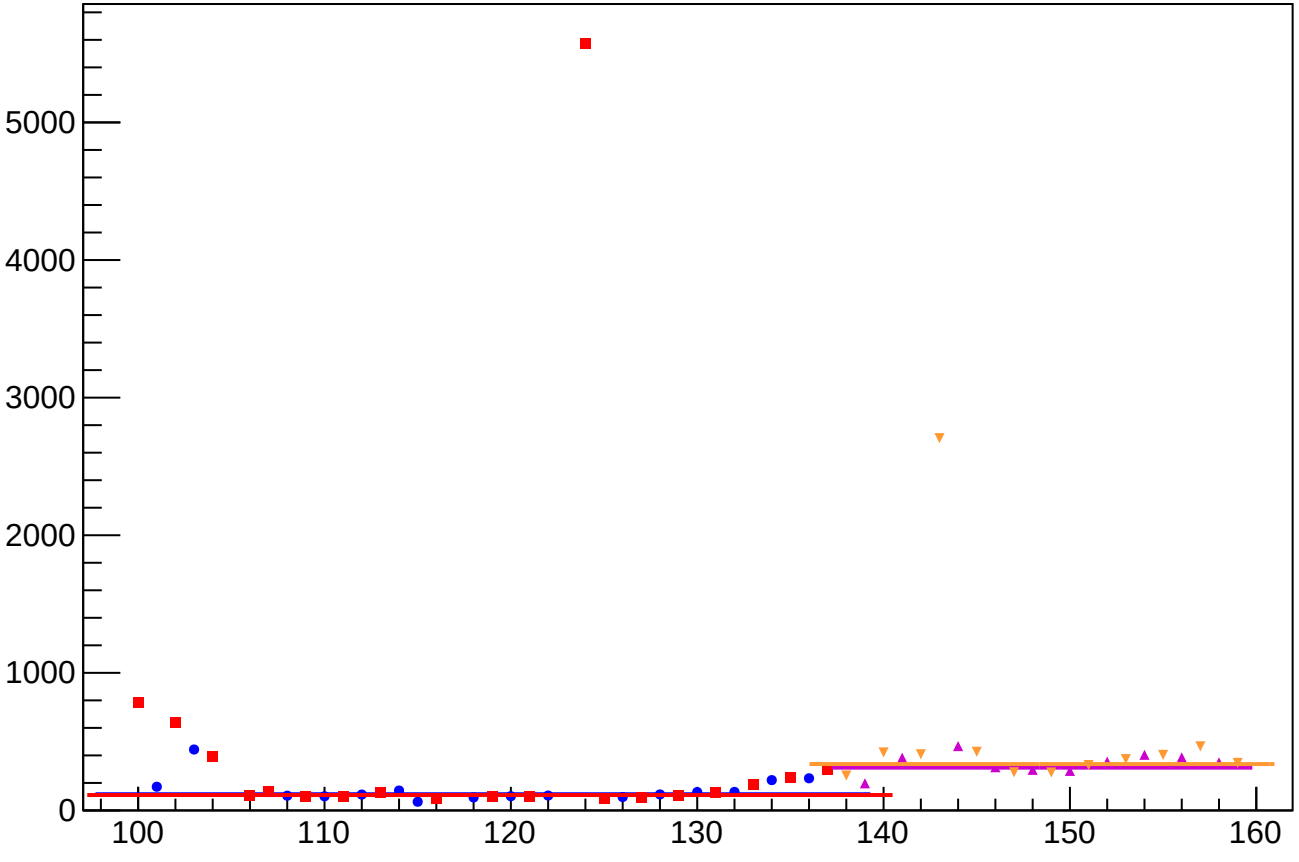
Left In: -0.074+/-0.110 χ^2/NDF:13.3/9

+ sign 0.017+/-0.044 χ^2/NDF: 31.4/27

All: 0.014+/-0.031 χ^2/NDF: 67.5/56

- sign 0.010+/-0.043 χ^2/NDF: 36.1/28

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

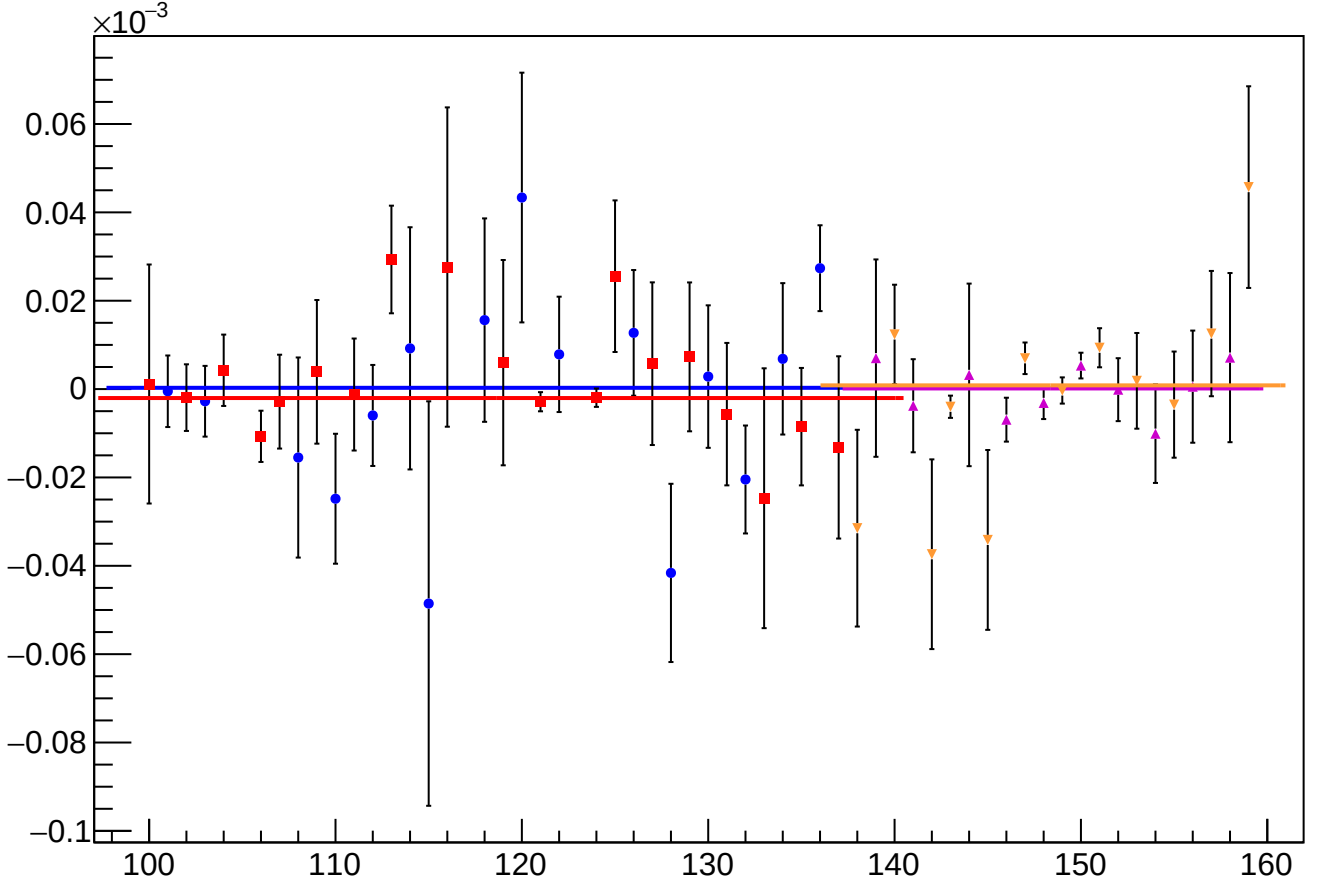
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 311.125+/-0.078 χ^2/NDF:975201.5/9

+ sign 149.559+/-0.031 χ^2/NDF: 9742663.5/27

All: 146.081+/-0.022 χ^2/NDF: 18490311.2/56

- sign 142.788+/-0.030 χ^2/NDF: 8723618.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/11

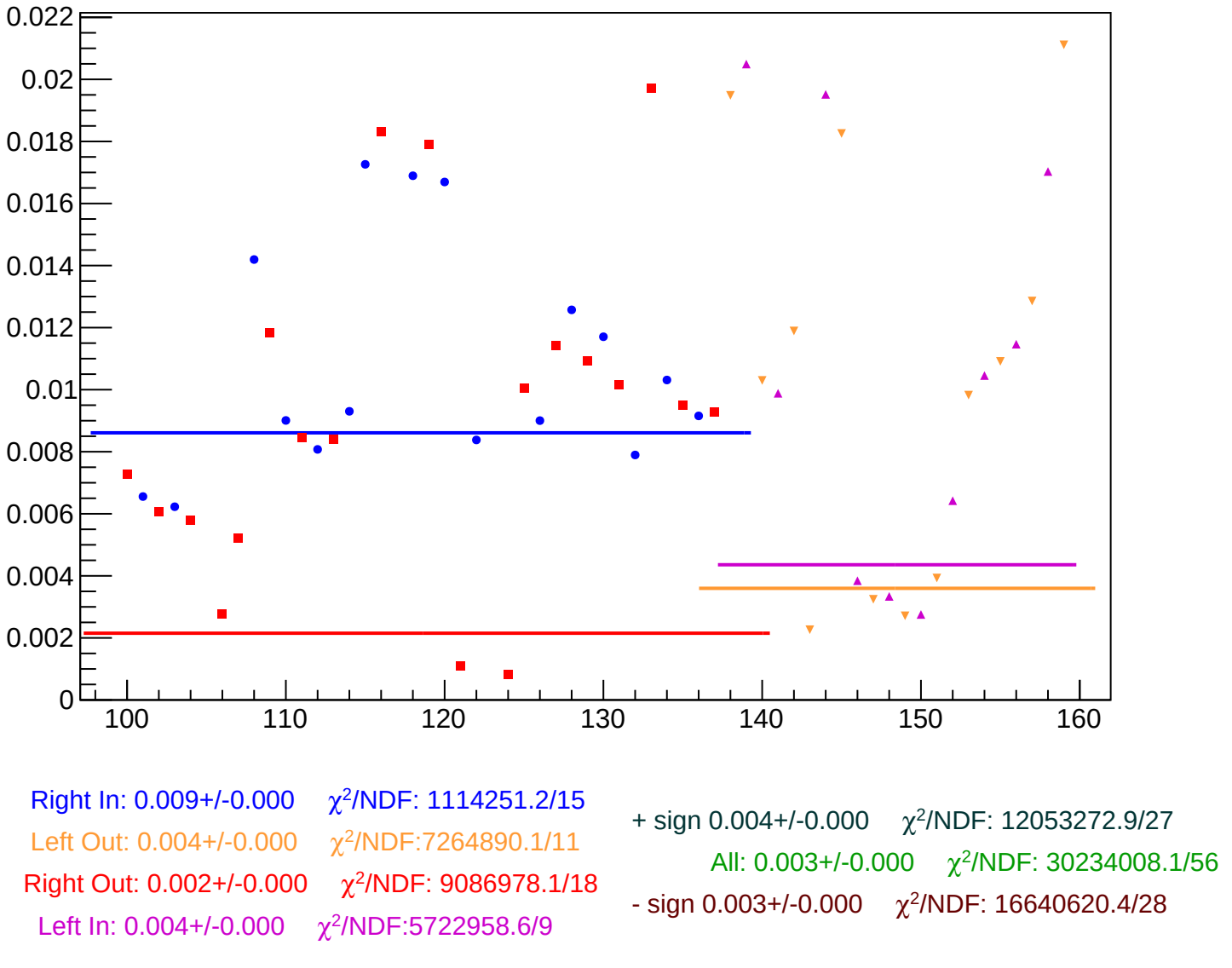
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/9

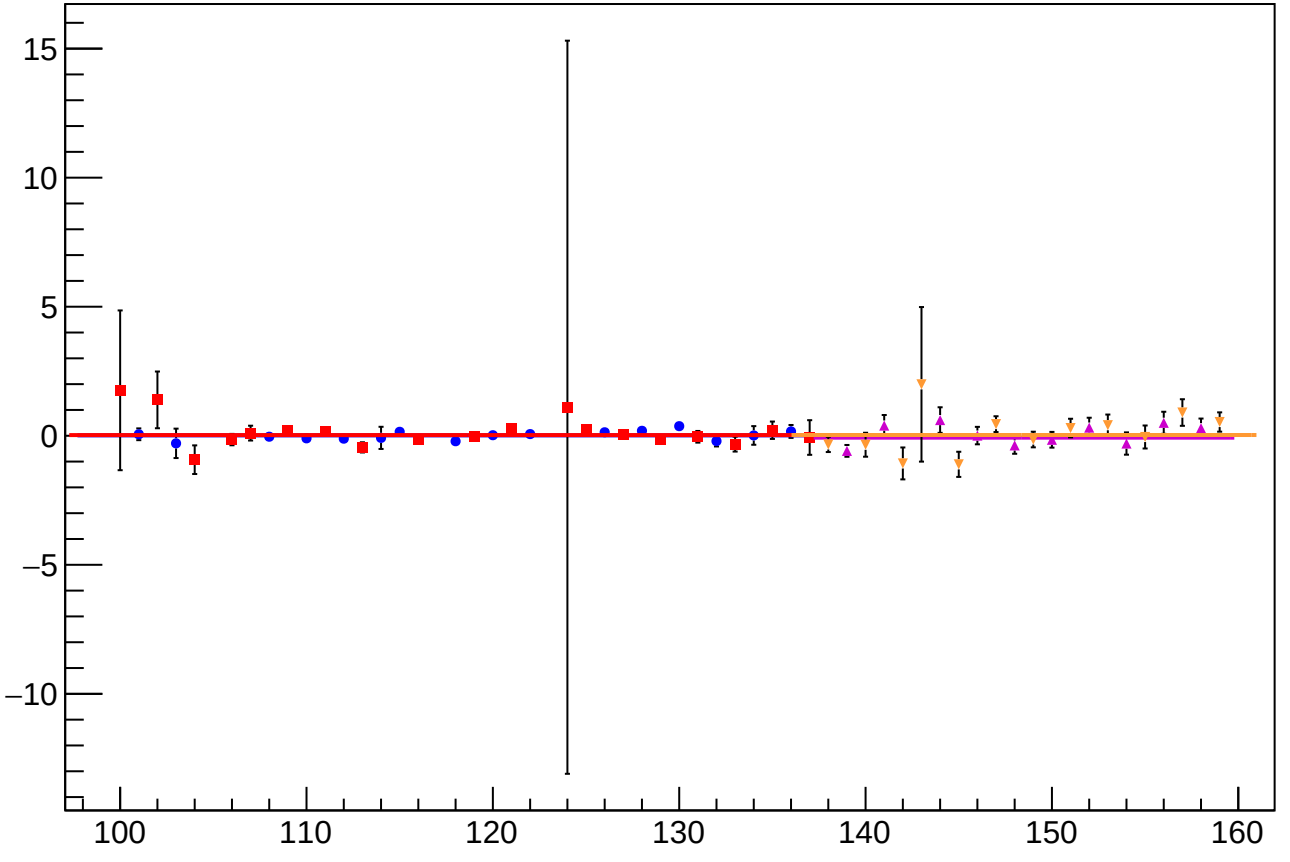
+ sign 0.000+/-0.000 χ^2/NDF: 48.6/27

All: -0.000+/-0.000 χ^2/NDF: 72.9/56

- sign -0.000+/-0.000 χ^2/NDF: 22.9/28


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
Right In: 0.009+/-0.000 χ²/NDF: 1114251.2/15
Left Out: 0.004+/-0.000 χ²/NDF:7264890.1/11
Right Out: 0.002+/-0.000 χ²/NDF: 9086978.1/18
Left In: 0.004+/-0.000 χ²/NDF:5722958.6/9
+ sign 0.004+/-0.000 χ²/NDF: 12053272.9/27
All: 0.003+/-0.000 χ²/NDF: 30234008.1/56
- sign 0.003+/-0.000 χ²/NDF: 16640620.4/28

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

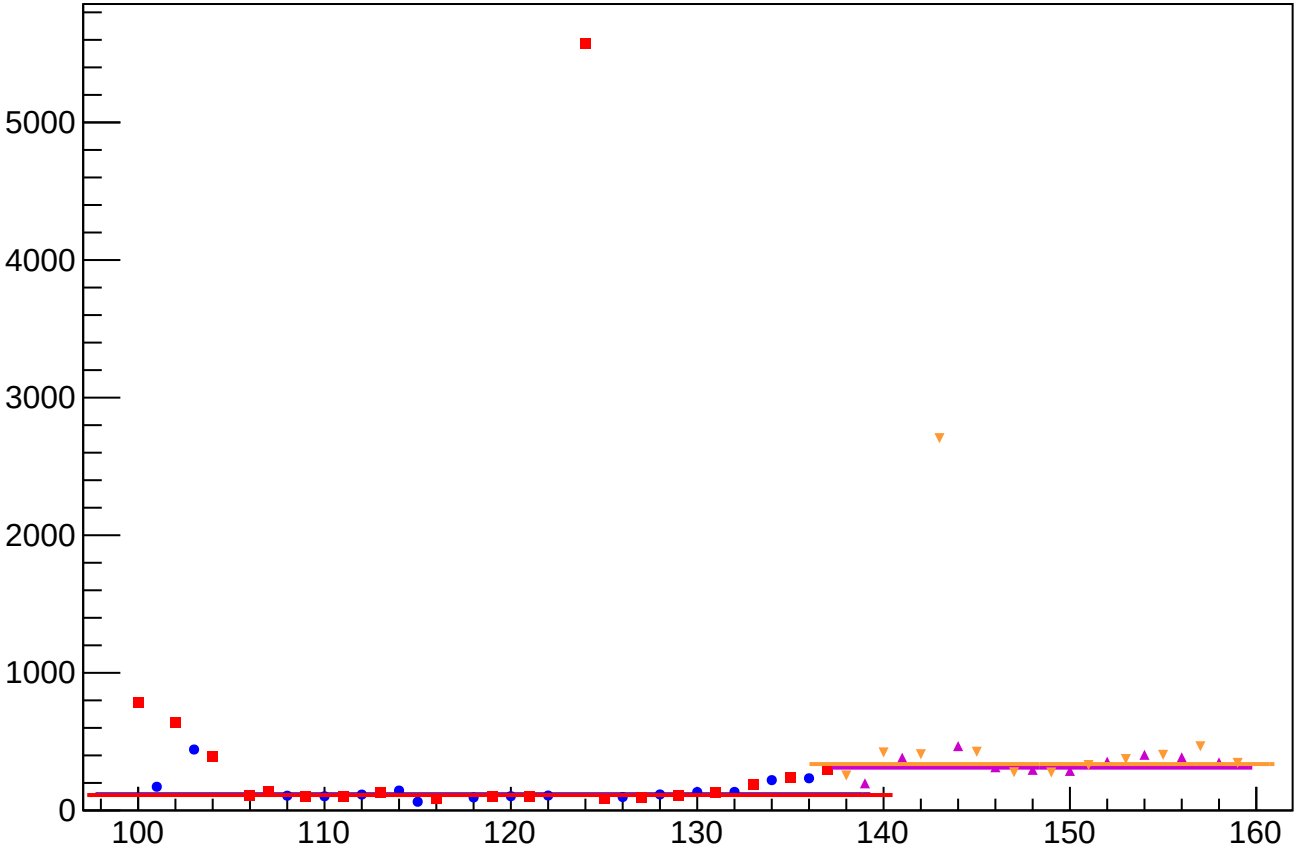
Left In: -0.074+/-0.110 χ^2/NDF:13.3/9

+ sign 0.017+/-0.044 χ^2/NDF: 31.4/27

All: 0.014+/-0.031 χ^2/NDF: 67.5/56

- sign 0.010+/-0.043 χ^2/NDF: 36.1/28

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

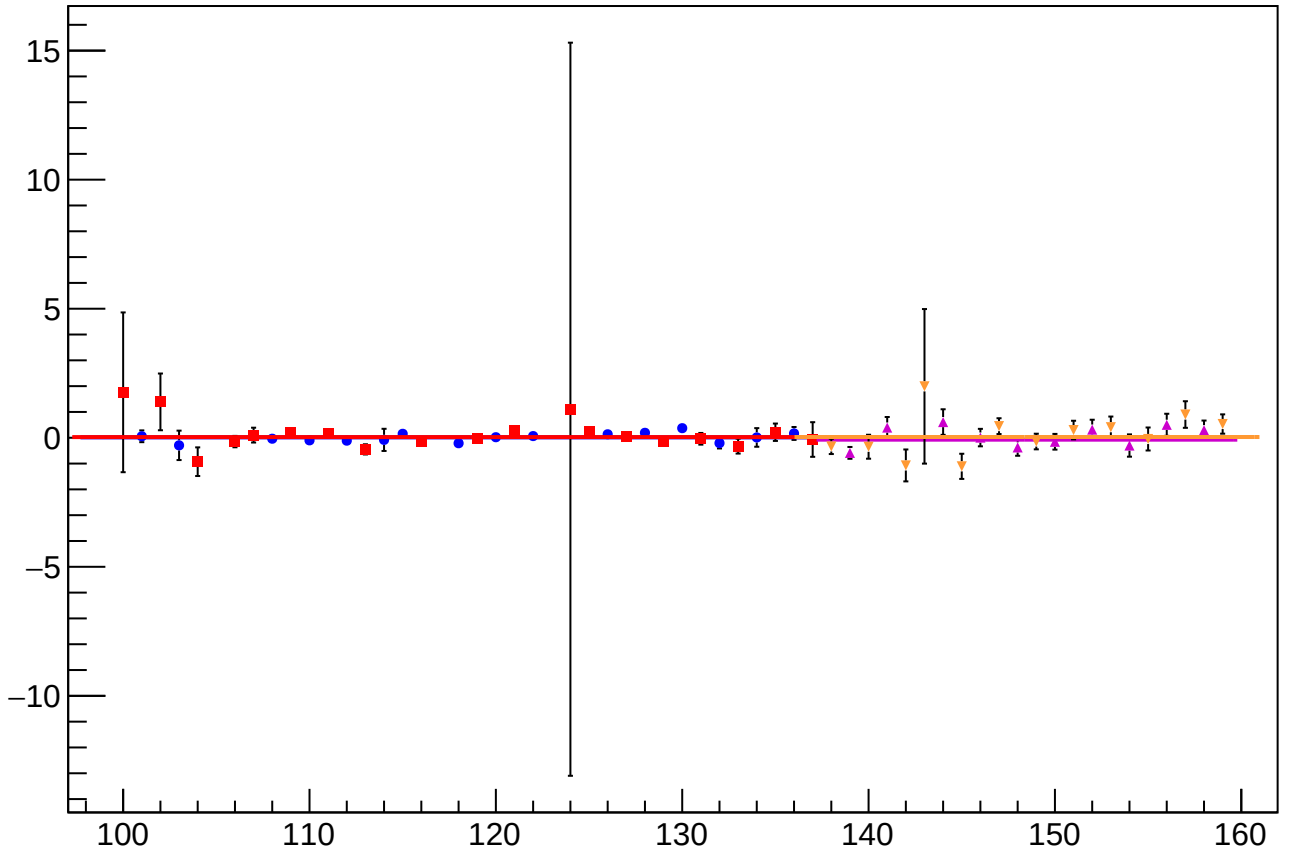
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 311.130+/-0.078 χ^2/NDF:975202.0/9

+ sign 149.559+/-0.031 χ^2/NDF: 9742749.2/27

All: 146.082+/-0.022 χ^2/NDF: 18490309.1/56

- sign 142.790+/-0.030 χ^2/NDF: 8723544.9/28



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.029+/-0.116 χ^2/NDF:19.6/11

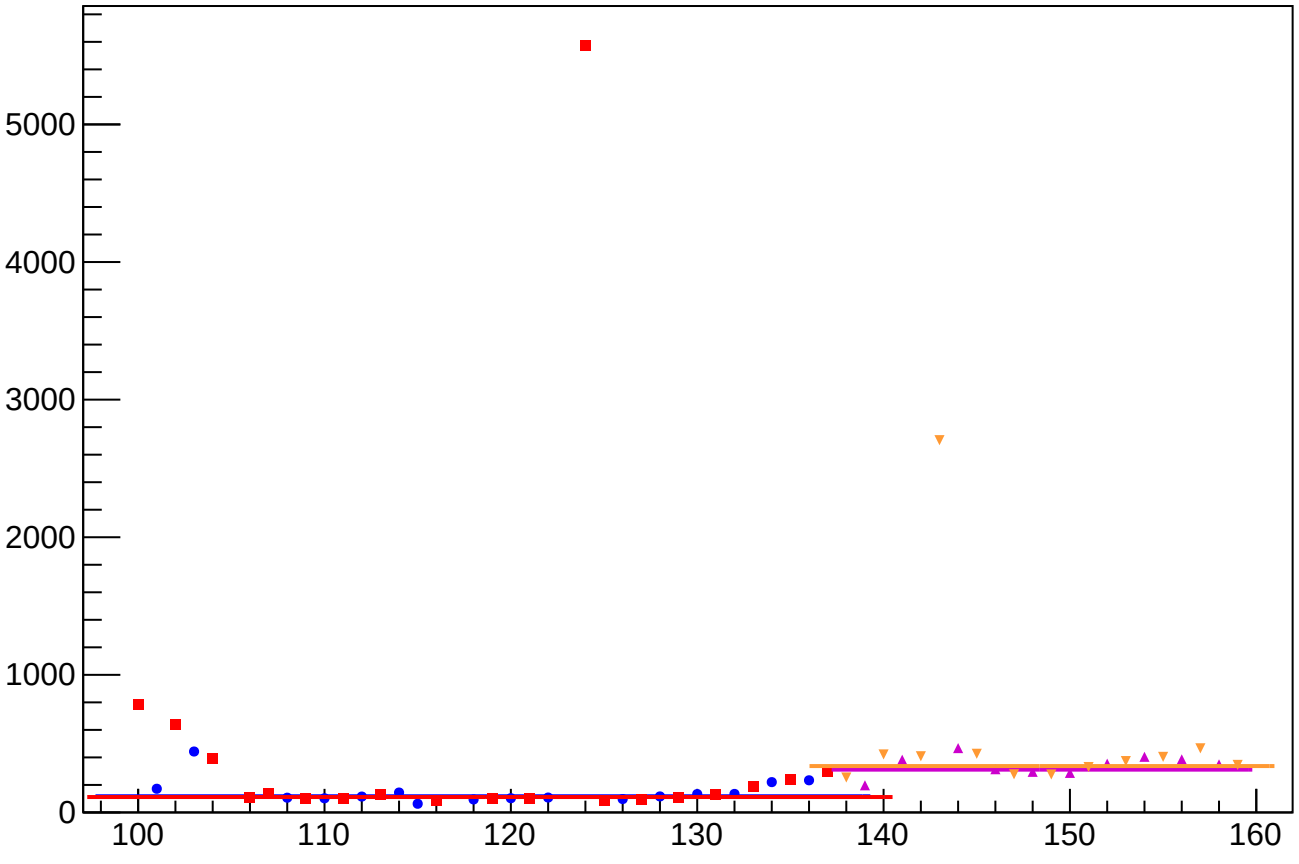
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.074+/-0.110 χ^2/NDF:13.3/9

+ sign 0.017+/-0.044 χ^2/NDF: 31.4/27

All: 0.014+/-0.031 χ^2/NDF: 67.5/56

- sign 0.010+/-0.043 χ^2/NDF: 36.1/28



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 337.108+/-0.082 χ^2/NDF:1914350.0/11

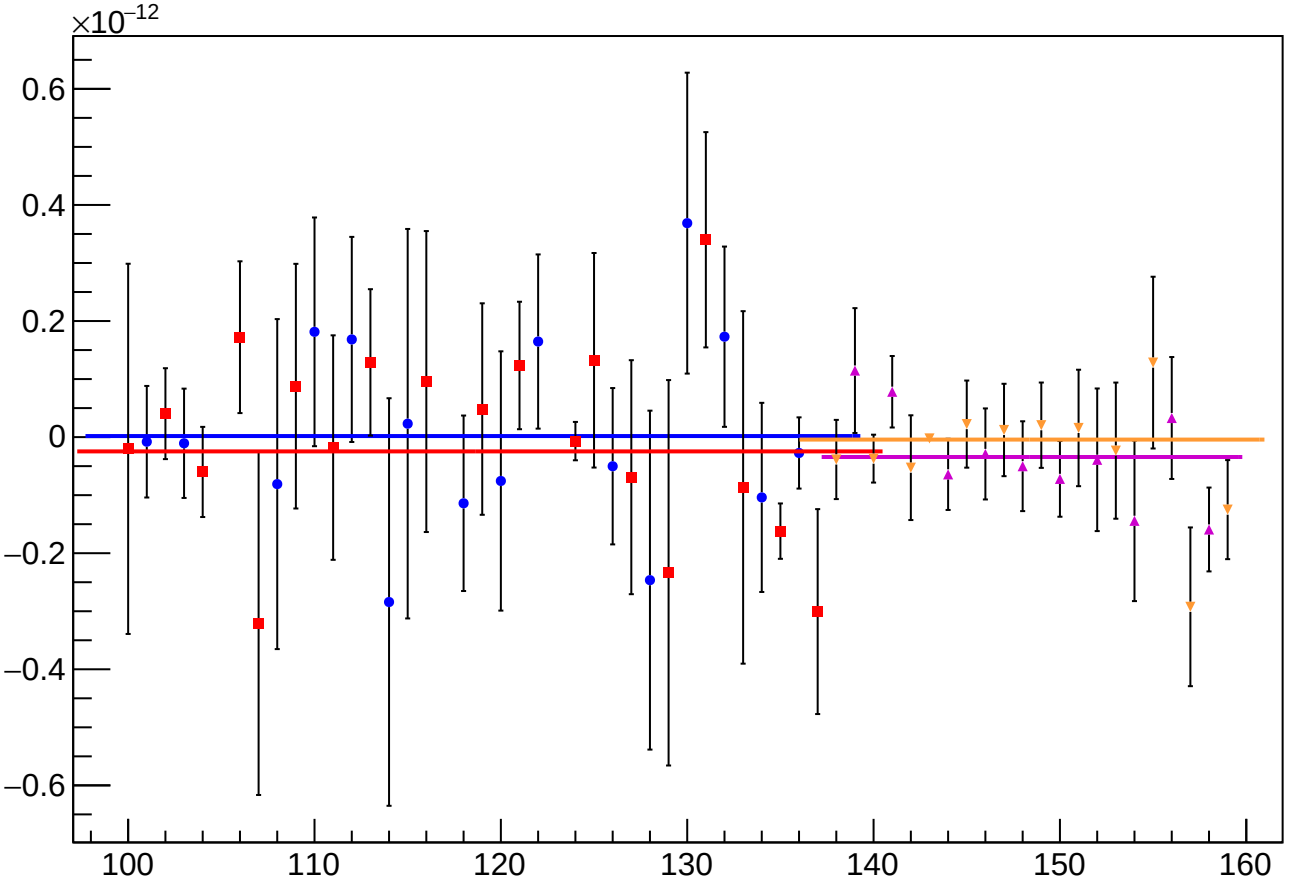
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 311.130+/-0.078 χ^2/NDF:975202.0/9

+ sign 149.559+/-0.031 χ^2/NDF: 9742749.2/27

All: 146.082+/-0.022 χ^2/NDF: 18490309.1/56

- sign 142.790+/-0.030 χ^2/NDF: 8723544.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/11

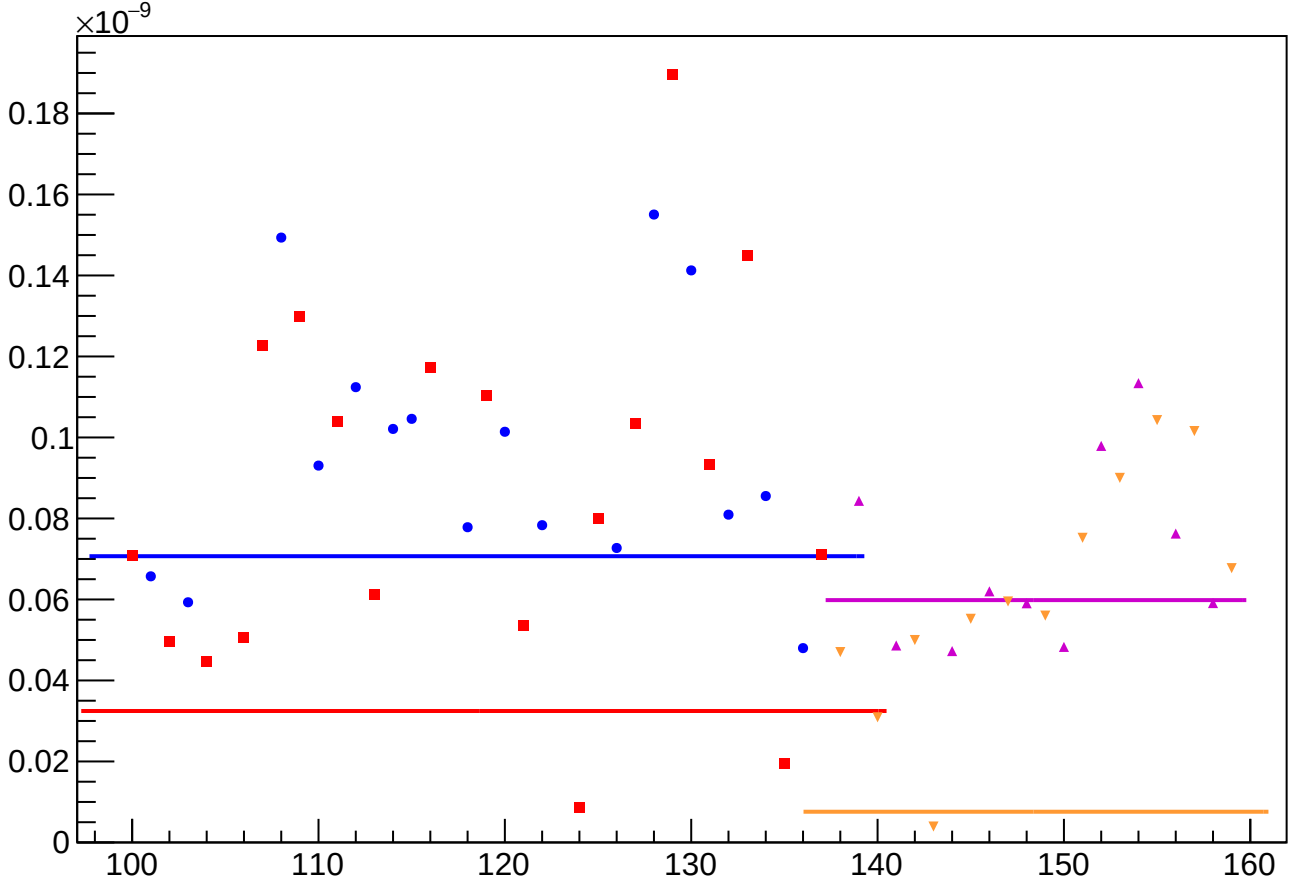
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 18.0/27

All: -0.000+/-0.000 χ^2/NDF: 54.2/56

- sign -0.000+/-0.000 χ^2/NDF: 34.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9571861.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

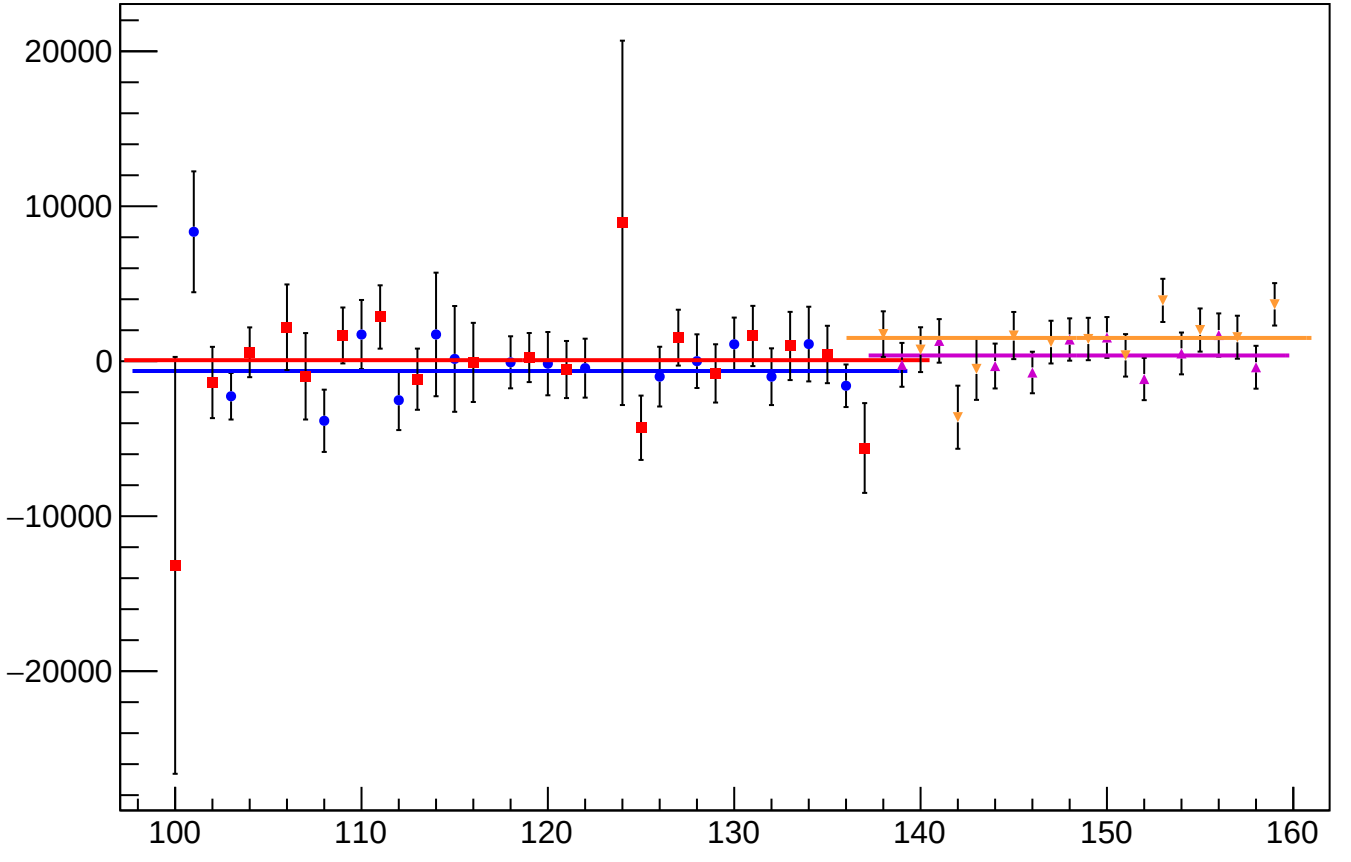
Left In: 0.000+/-0.000 χ^2/NDF:859960.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 17084649.3/27

All: 0.000+/-0.000 χ^2/NDF: 31453384.7/56

- sign 0.000+/-0.000 χ^2/NDF: 6672173.9/28

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

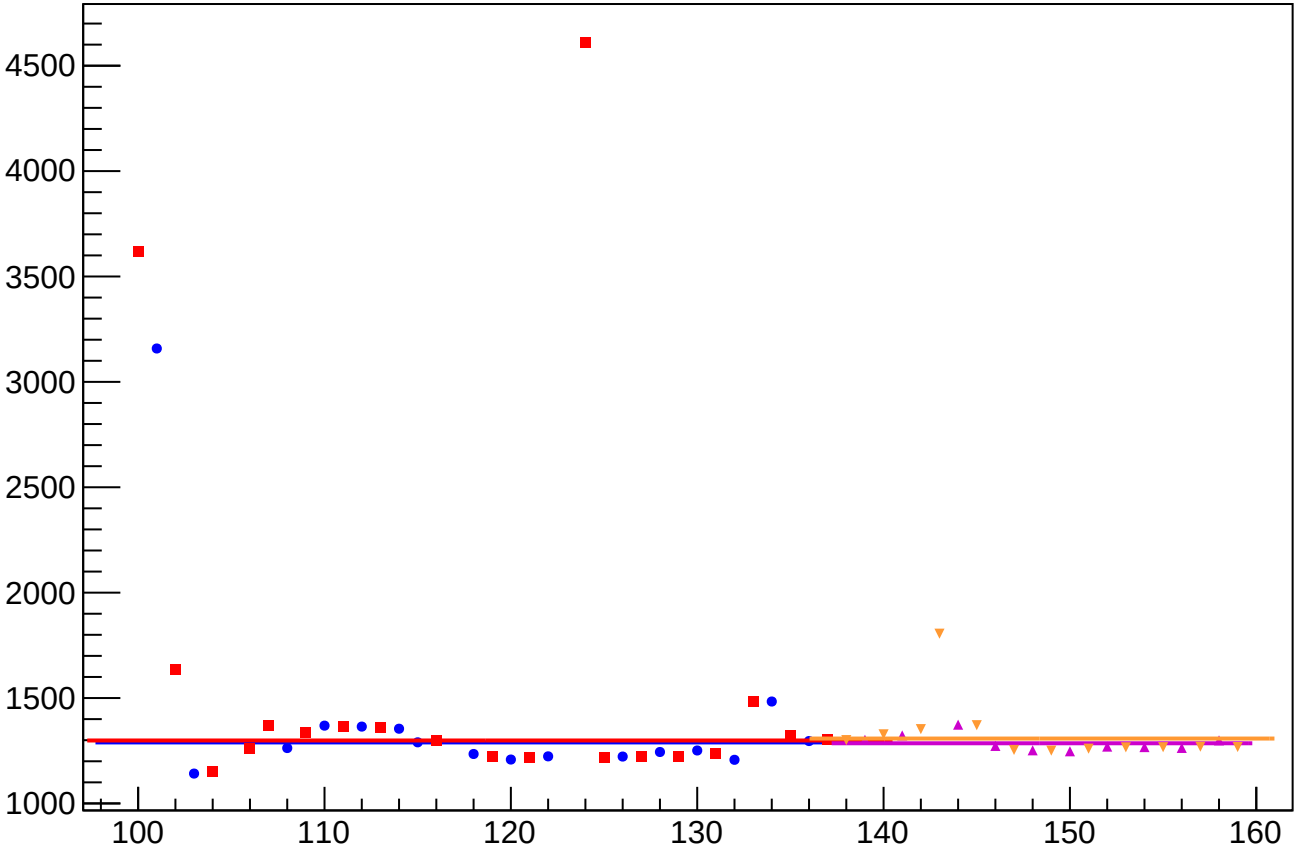
Left In: 370.992+/-435.347 χ^2/NDF:5.3/9

+ sign 584.197+/-320.611 χ^2/NDF: 38.8/27

All: 412.594+/-228.170 χ^2/NDF: 60.8/56

- sign 236.486+/-324.793 χ^2/NDF: 21.4/28

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

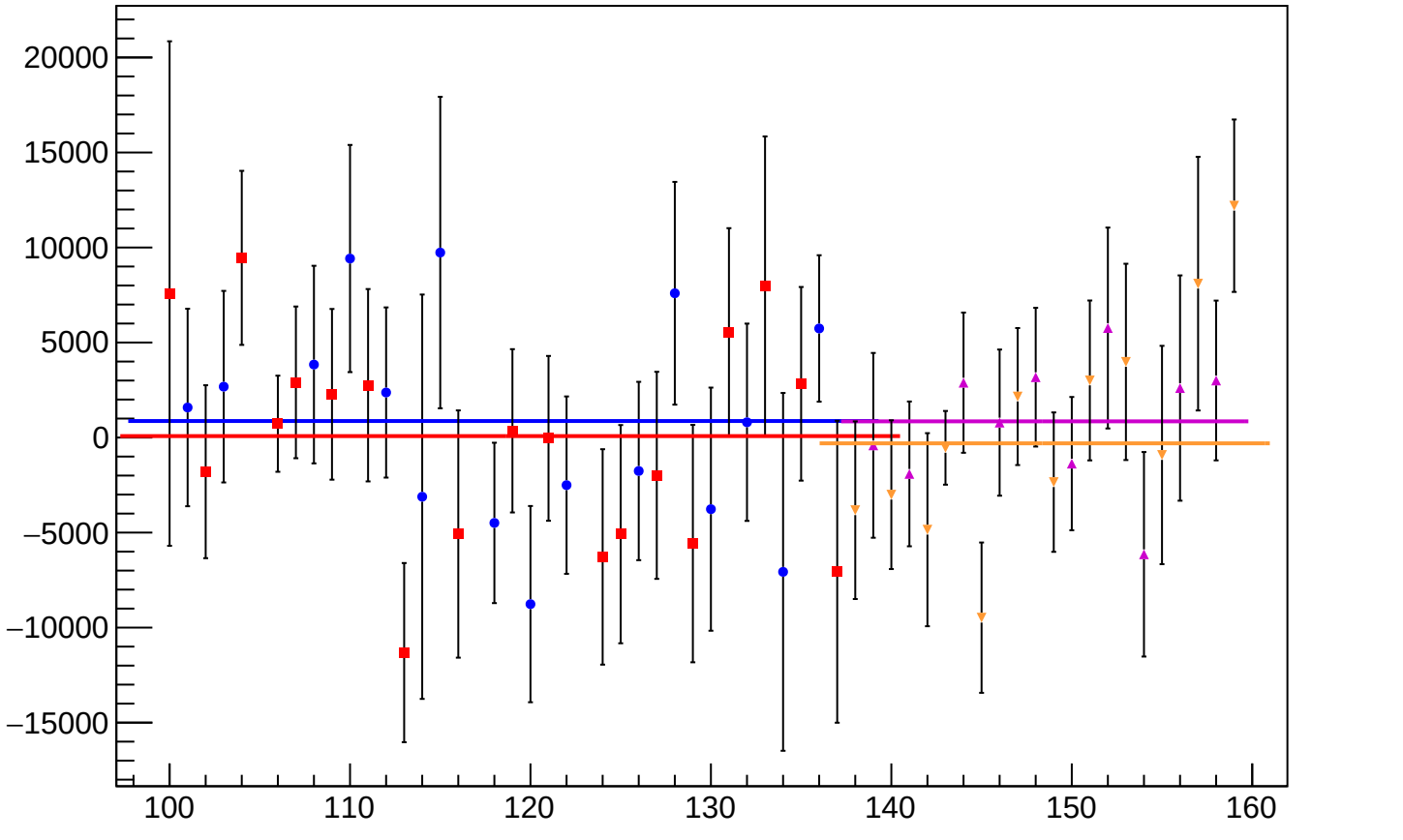
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1299.924+/-0.227 χ^2/NDF: 660948.5/27

All: 1295.664+/-0.161 χ^2/NDF: 995332.1/56

- sign 1291.302+/-0.229 χ^2/NDF: 333669.0/28



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -303.733+/-1100.139 χ^2/NDF:18.5/11

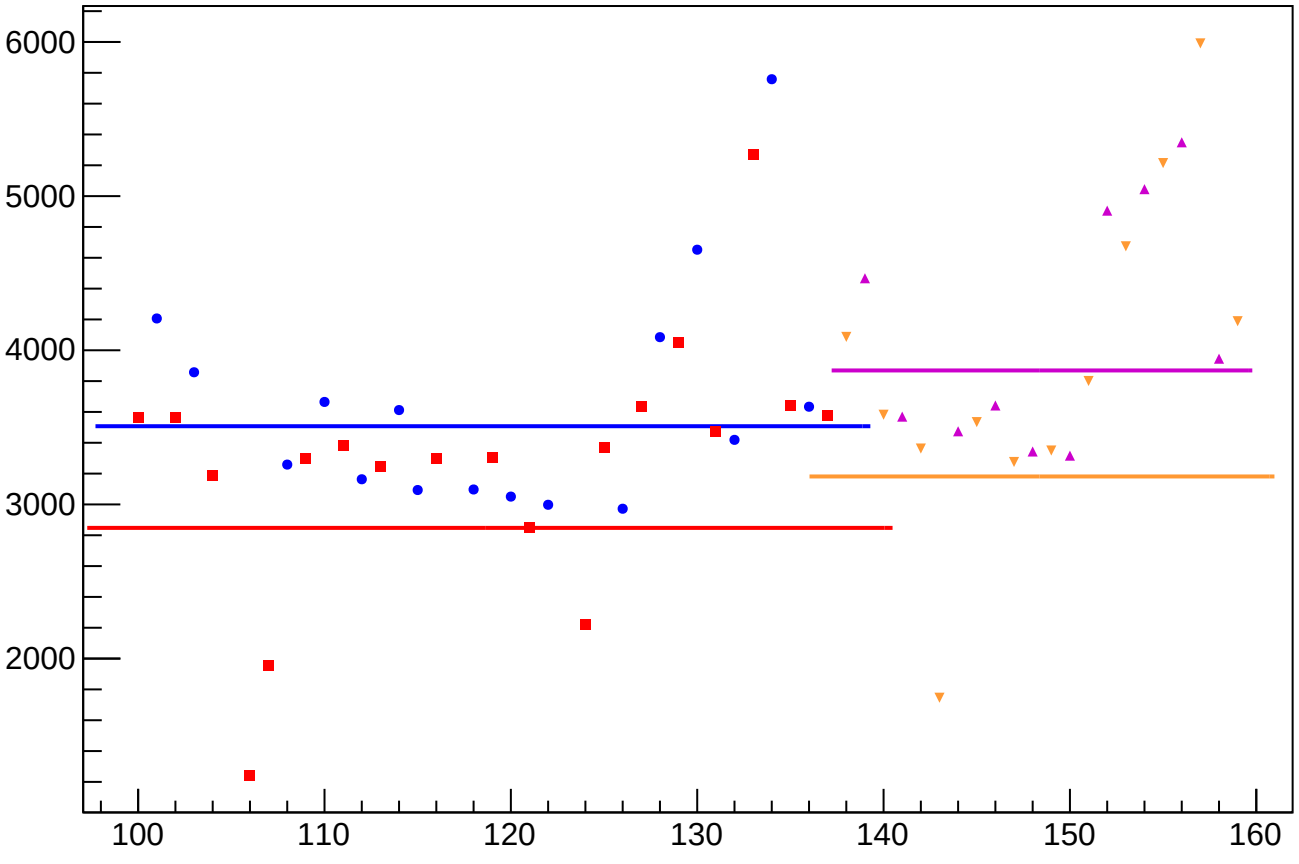
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 853.490+/-1331.282 χ^2/NDF:4.6/9

\+ sign 175.233+/-846.487 χ^2/NDF: 33.0/27

All: 284.763+/-600.854 χ^2/NDF: 56.2/56

\- sign 395.990+/-853.023 χ^2/NDF: 23.2/28



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

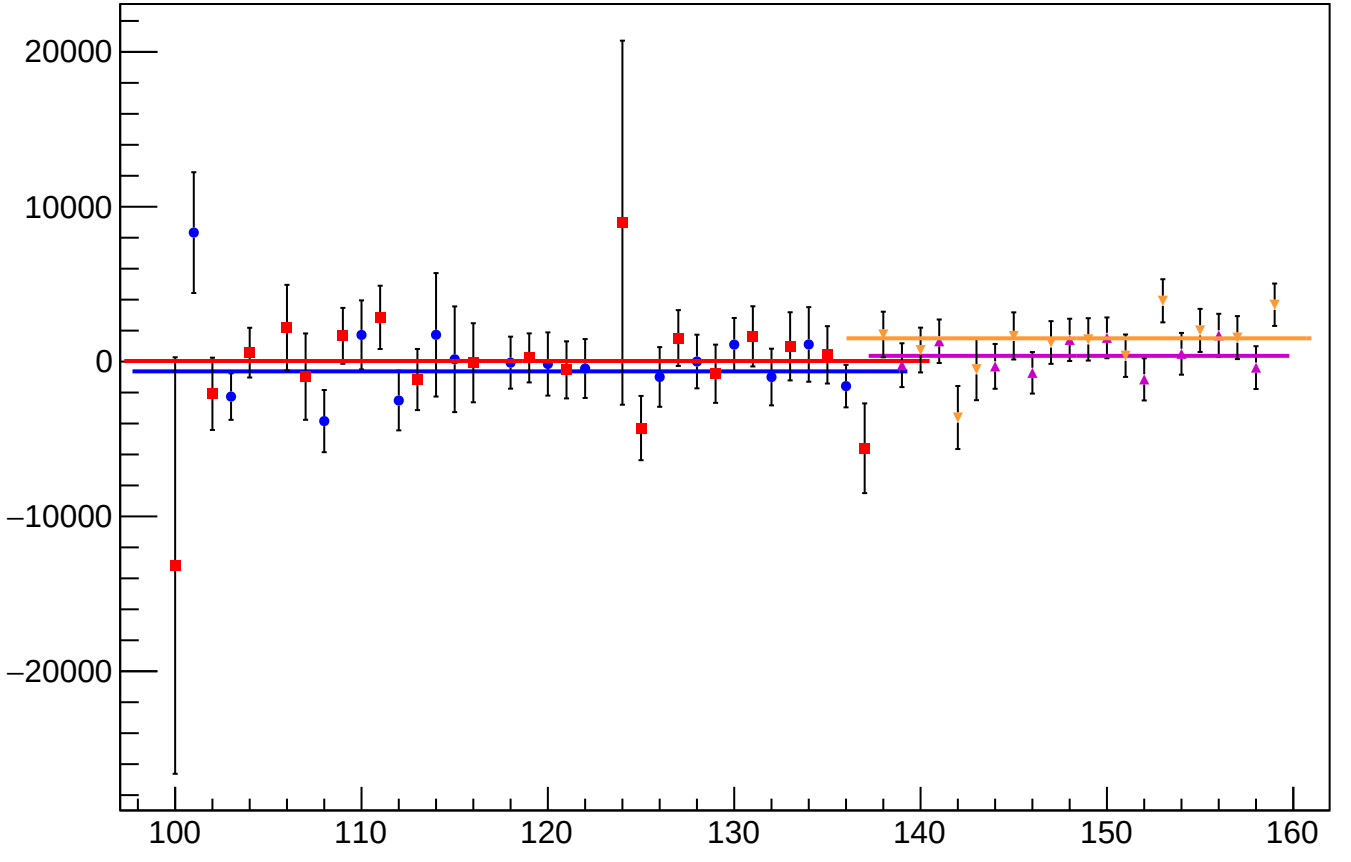
Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

+ sign 3314.375+/-0.599 χ^2/NDF: 2555027.4/27

All: 3290.943+/-0.425 χ^2/NDF: 5212877.0/56

- sign 3267.147+/-0.603 χ^2/NDF: 2654760.8/28

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

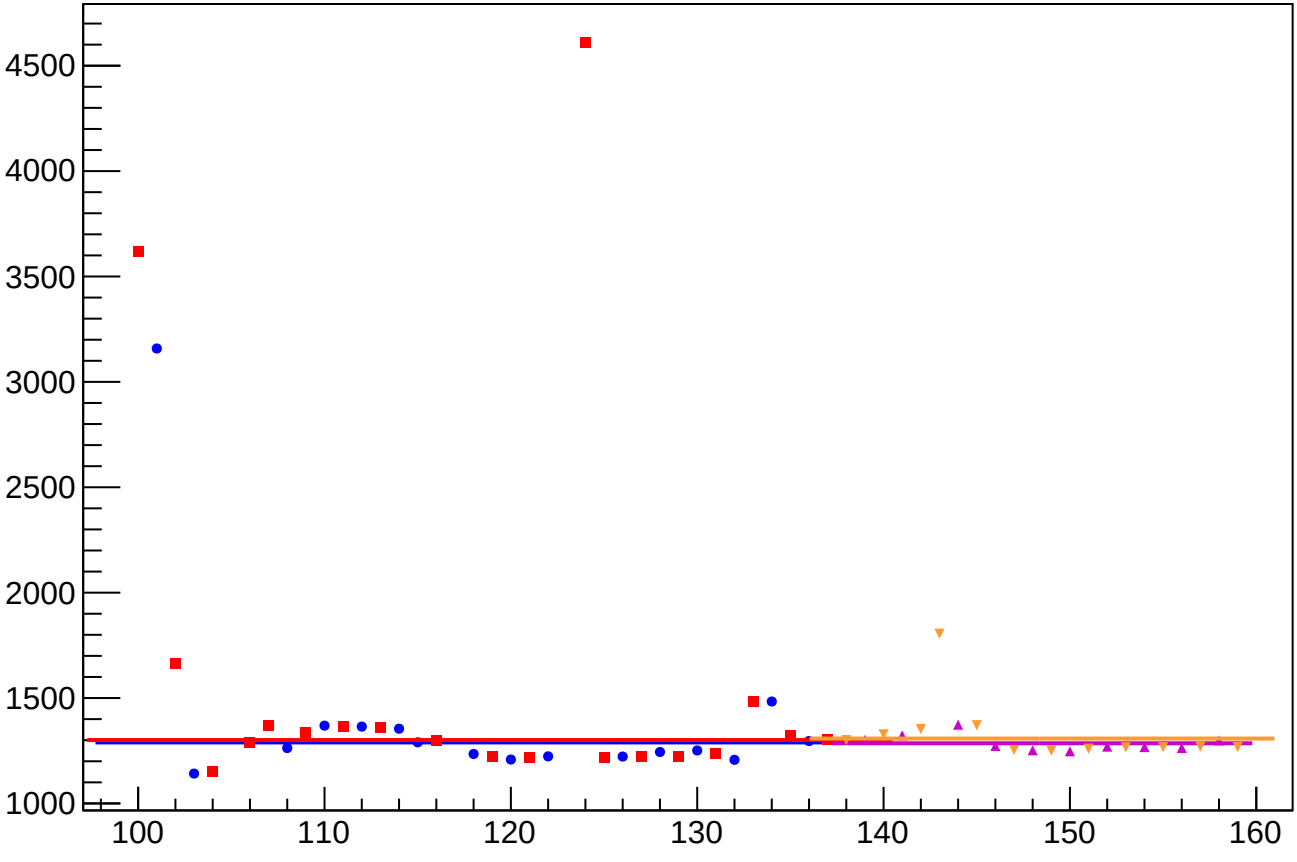
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 406.269+/-228.203 χ^2/NDF: 61.3/56

- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

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

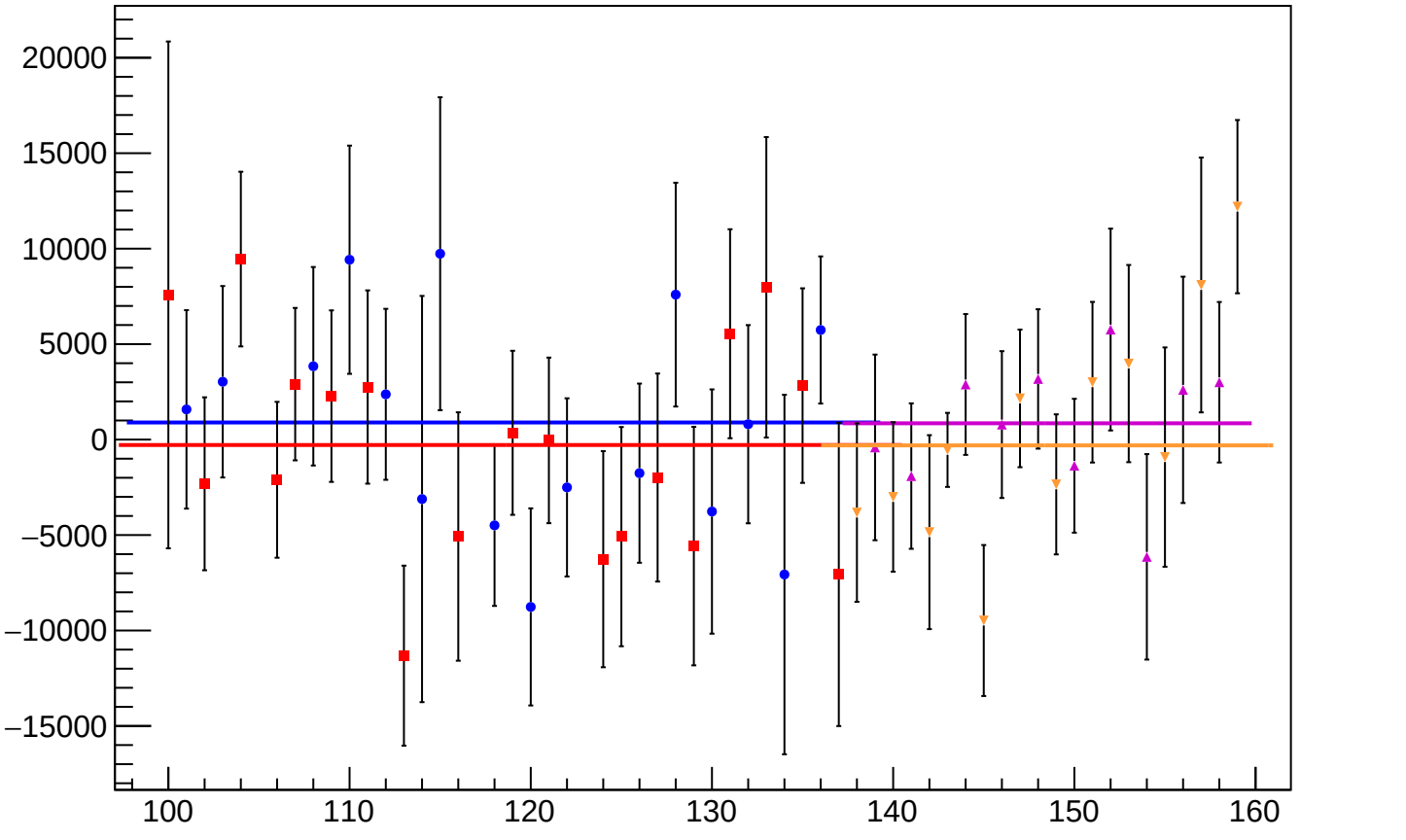
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28



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

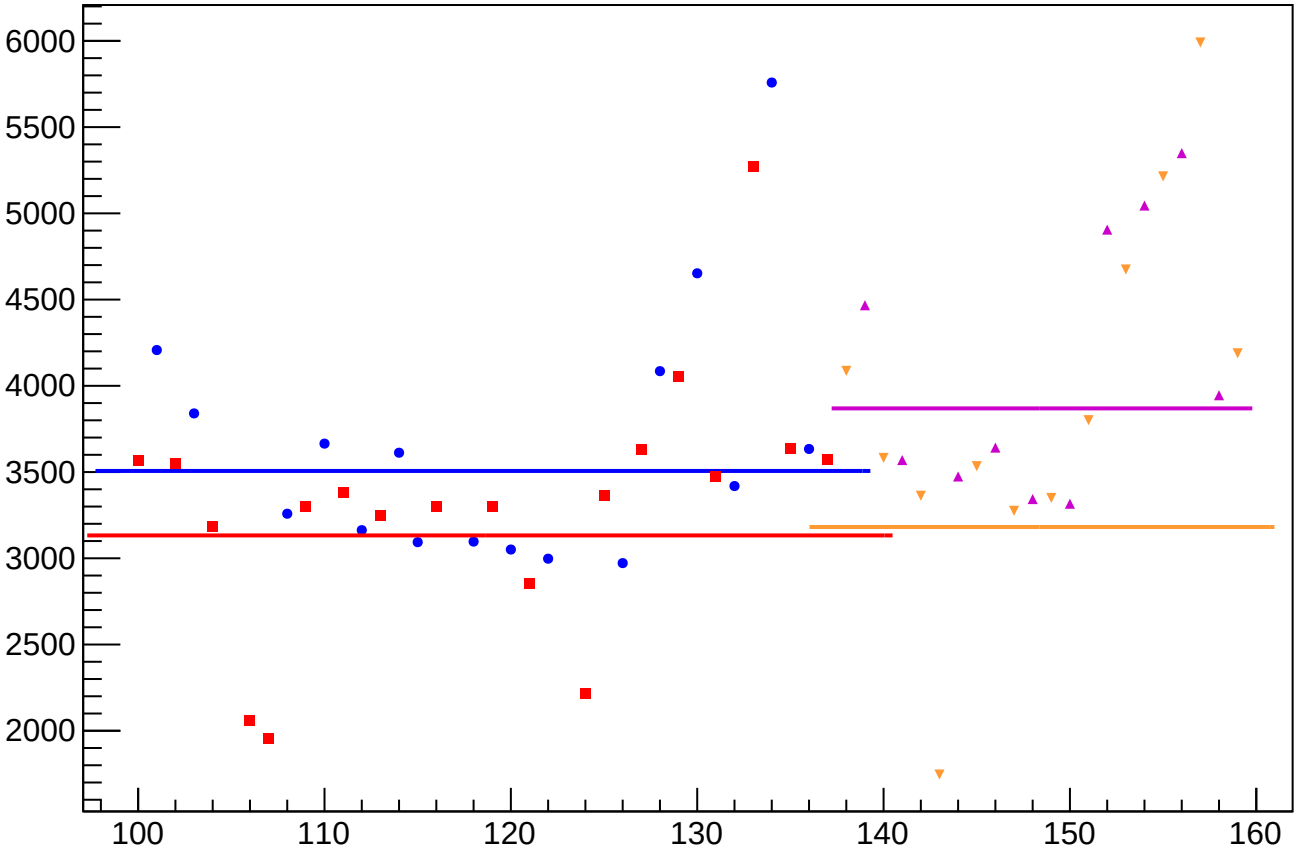
Left In: 853.565+/-1331.280 χ^2/NDF:4.6/9

+ sign 185.983+/-846.367 χ^2/NDF: 33.1/27

All: 201.303+/-611.467 χ^2/NDF: 56.7/56

- sign 218.029+/-884.376 χ^2/NDF: 23.6/28

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



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

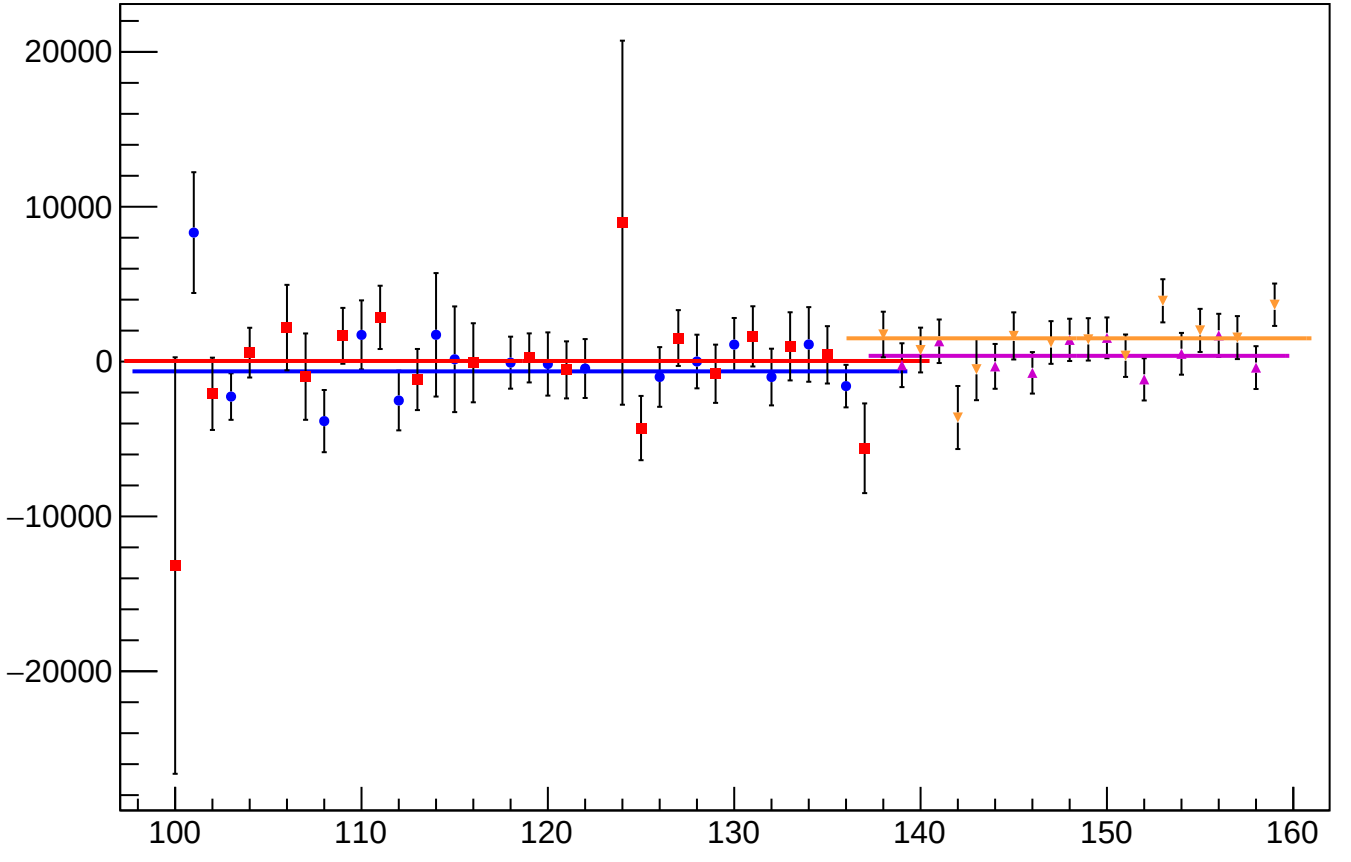
Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

\+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56

\- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28

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

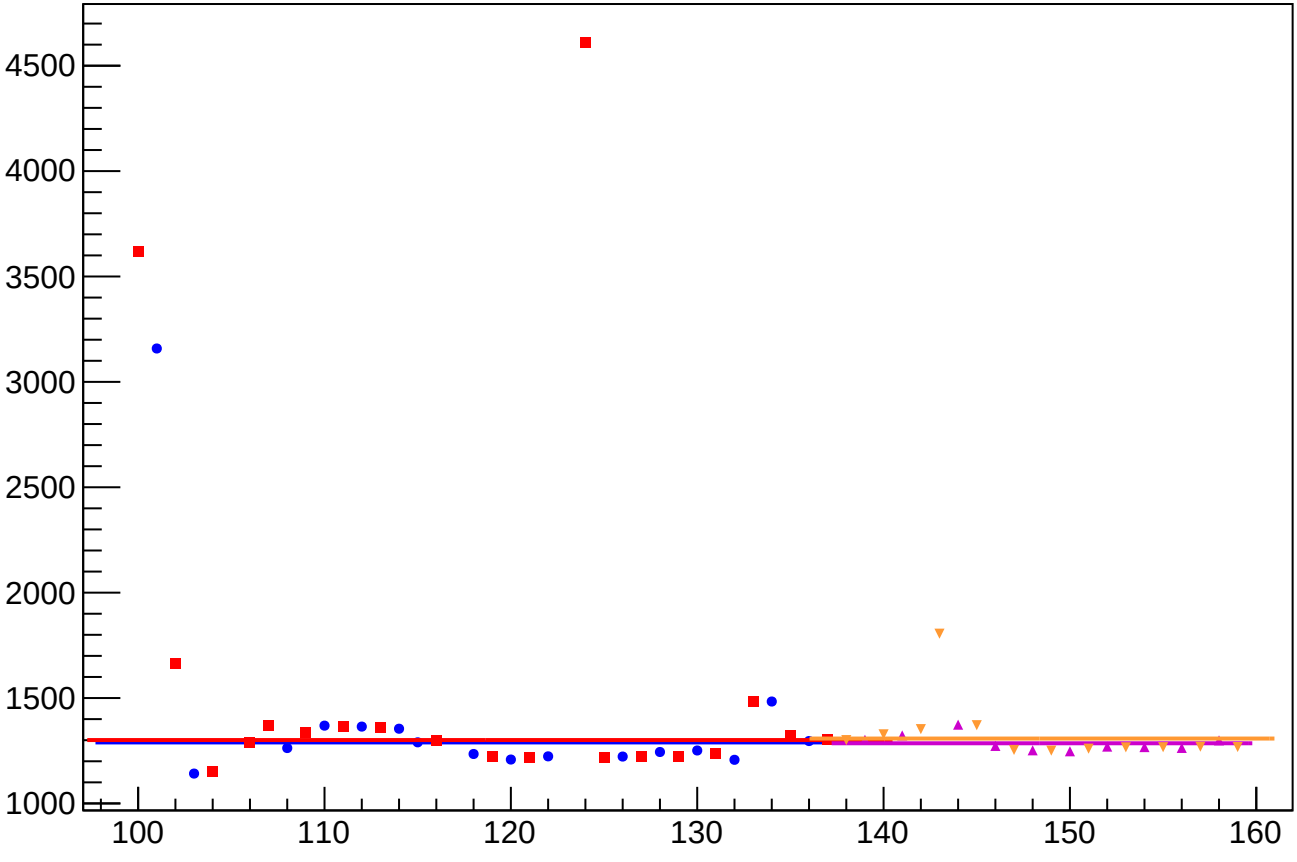
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 406.269+/-228.203 χ^2/NDF: 61.3/56

- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

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

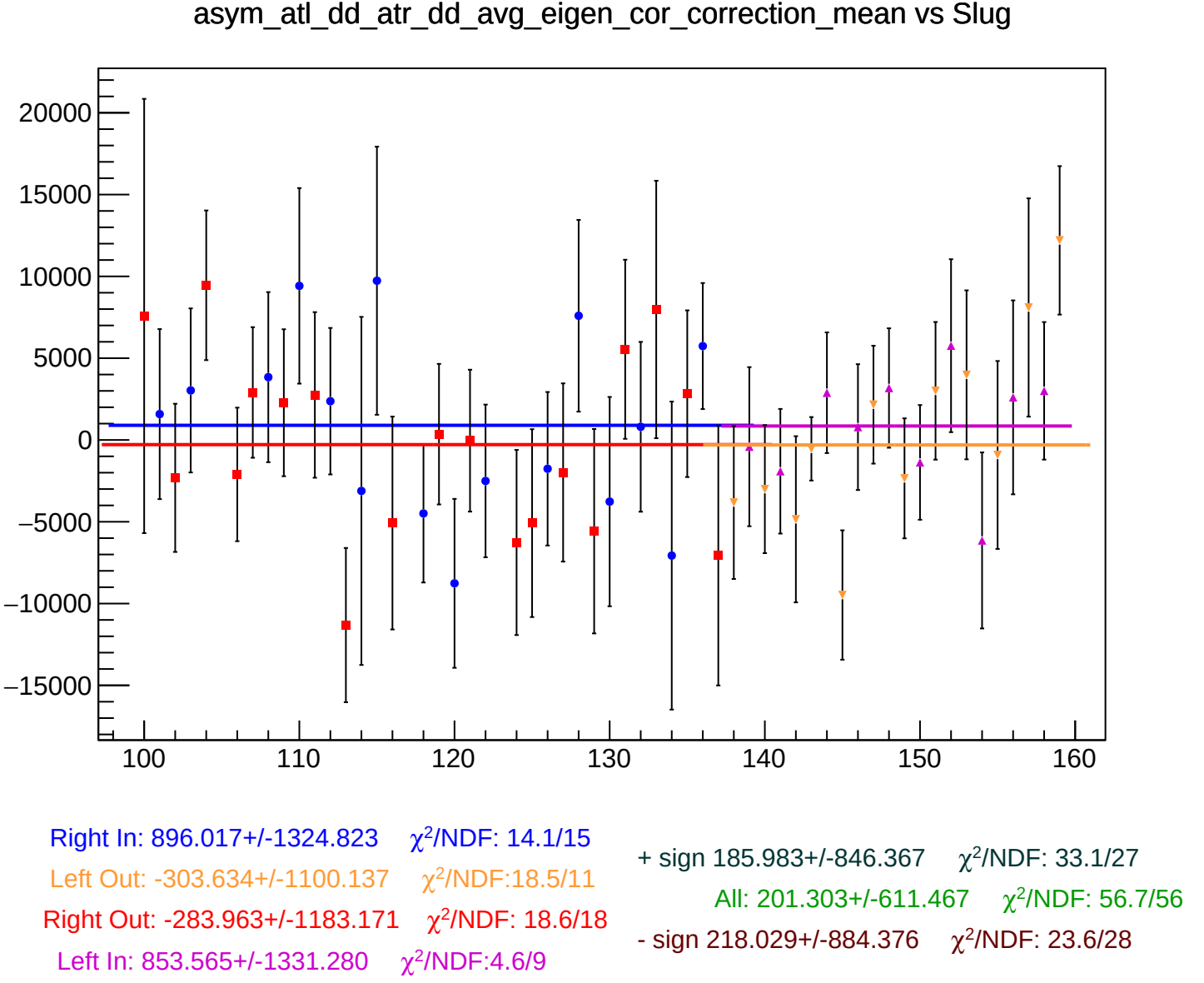
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

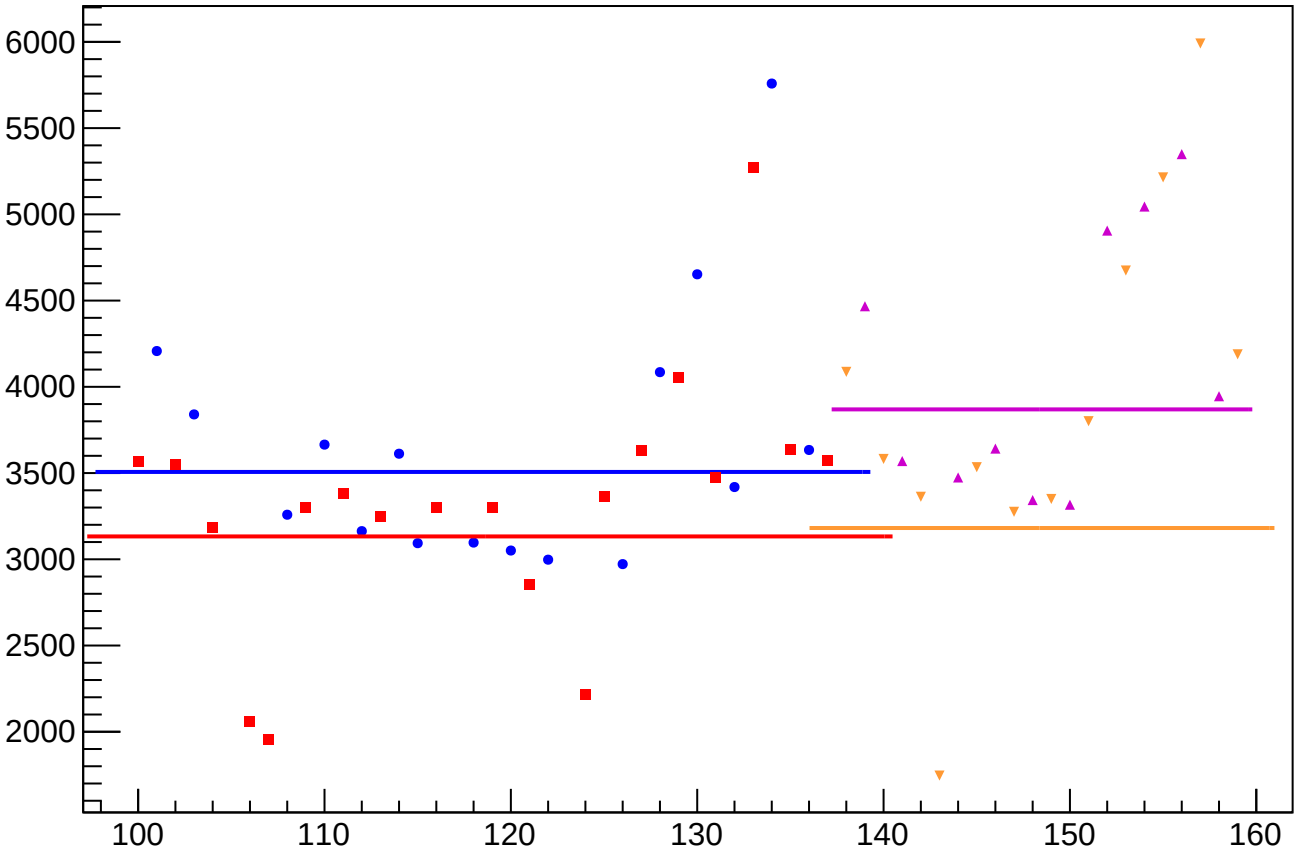
Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
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: 853.565+/-1331.280 χ²/NDF:4.6/9
+ sign 185.983+/-846.367 χ²/NDF: 33.1/27
All: 201.303+/-611.467 χ²/NDF: 56.7/56
- sign 218.029+/-884.376 χ²/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

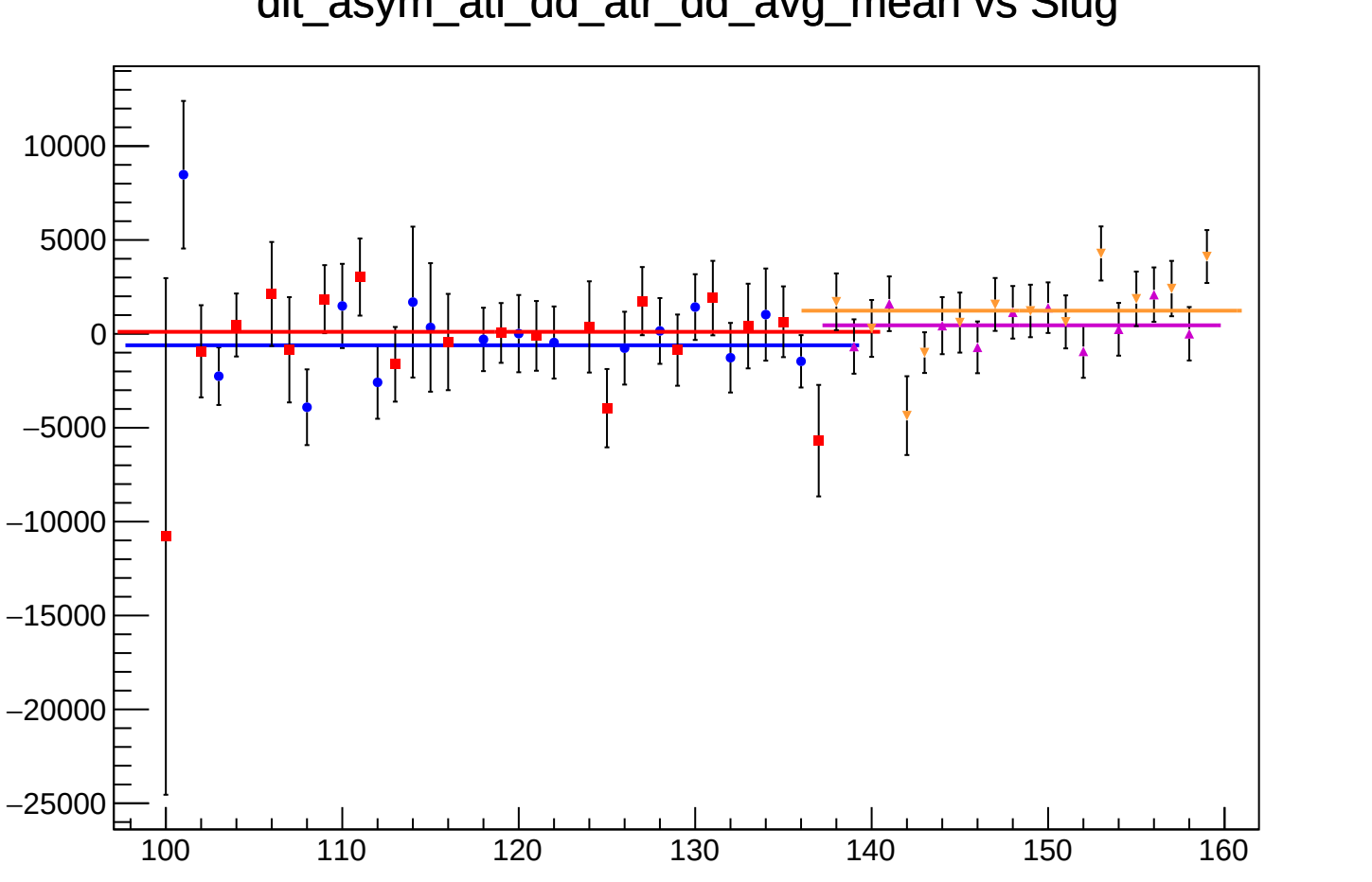
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

\+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56

\- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28



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

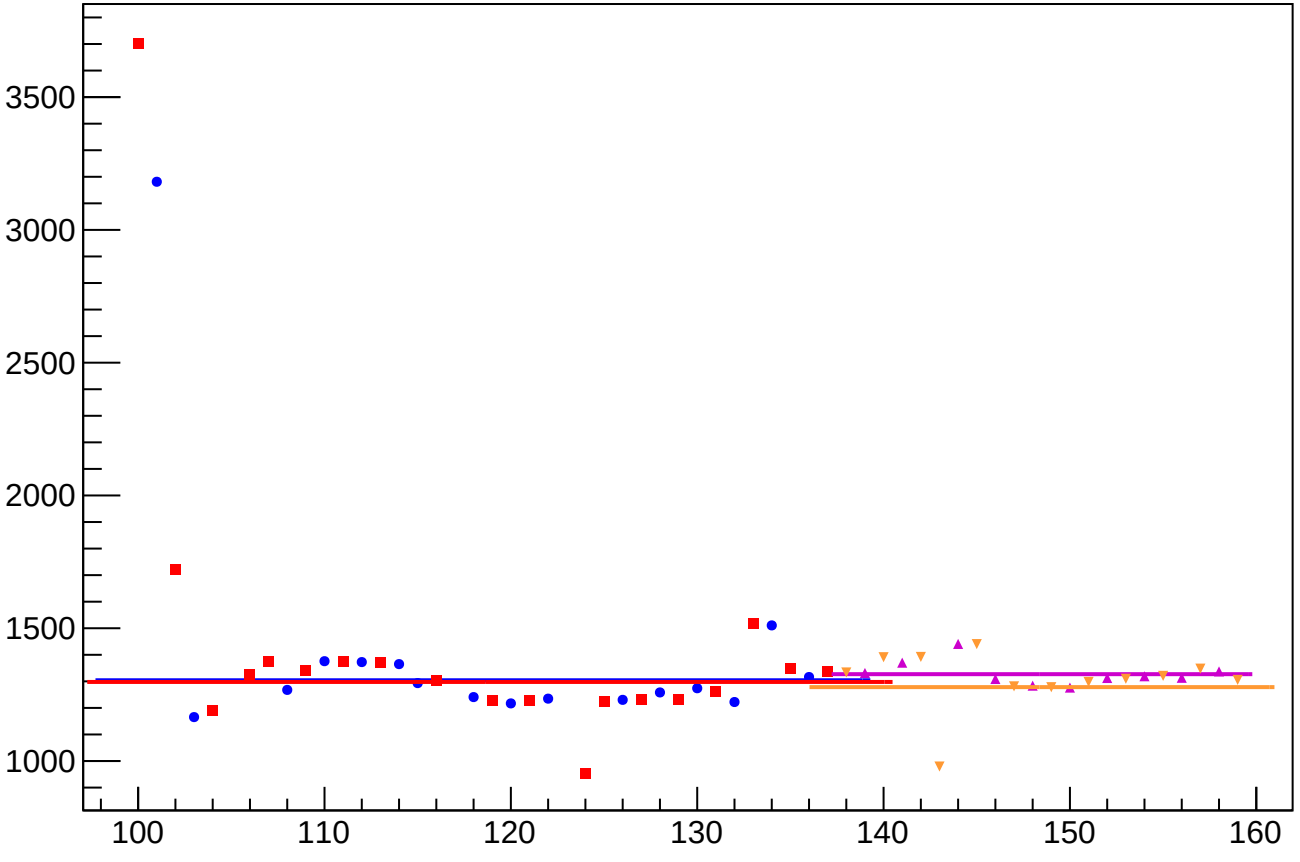
Left In: 455.385+/-449.548 χ^2/NDF:5.0/9

+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 386.059+/-229.022 χ^2/NDF: 64.3/56

- sign 295.331+/-329.873 χ^2/NDF: 20.2/28

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

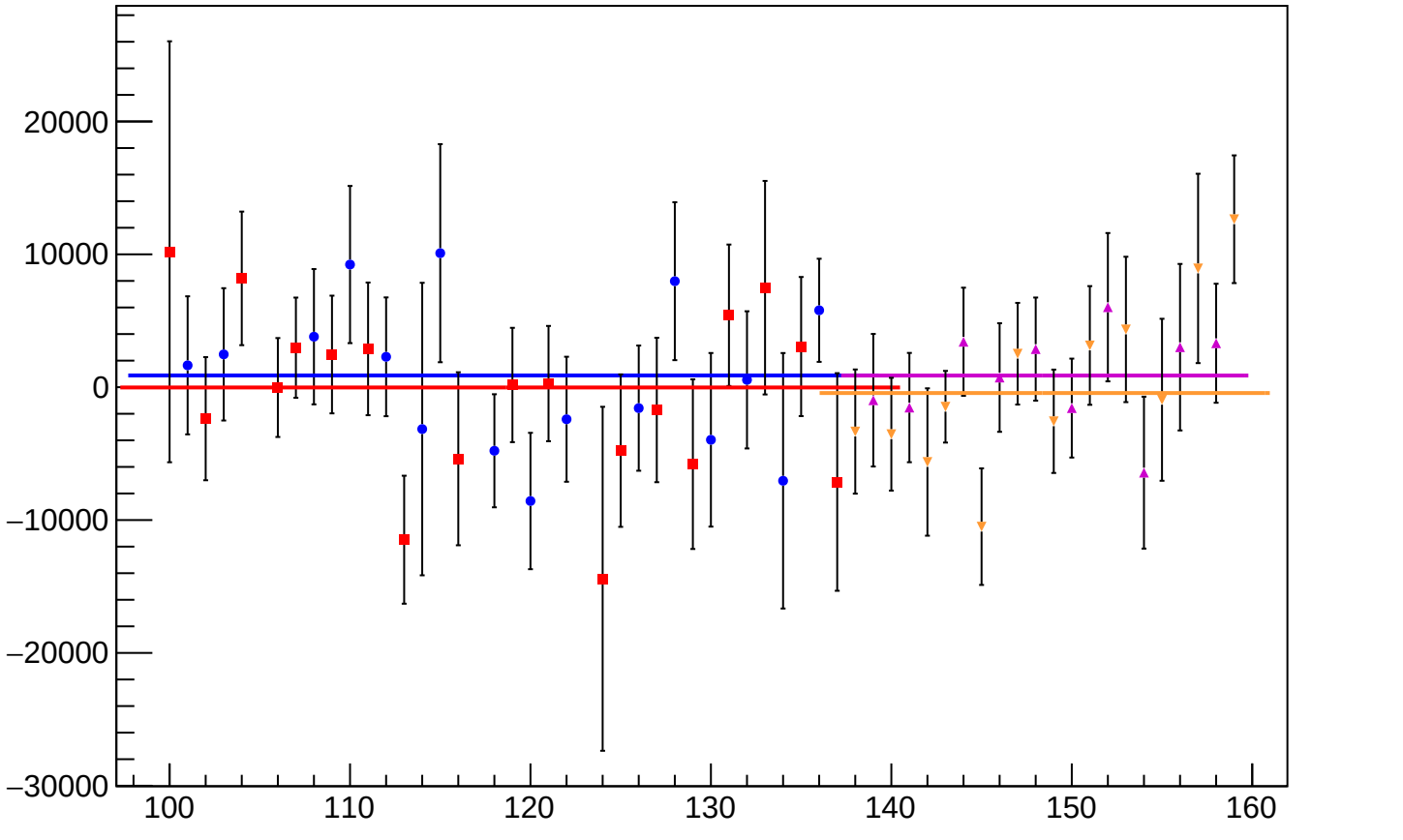
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

+ sign 1289.000+/-0.225 χ^2/NDF: 714367.9/27

All: 1300.834+/-0.162 χ^2/NDF: 955783.2/56

- sign 1313.542+/-0.233 χ^2/NDF: 235679.0/28



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -439.004+/-1258.889 χ^2/NDF:18.6/11

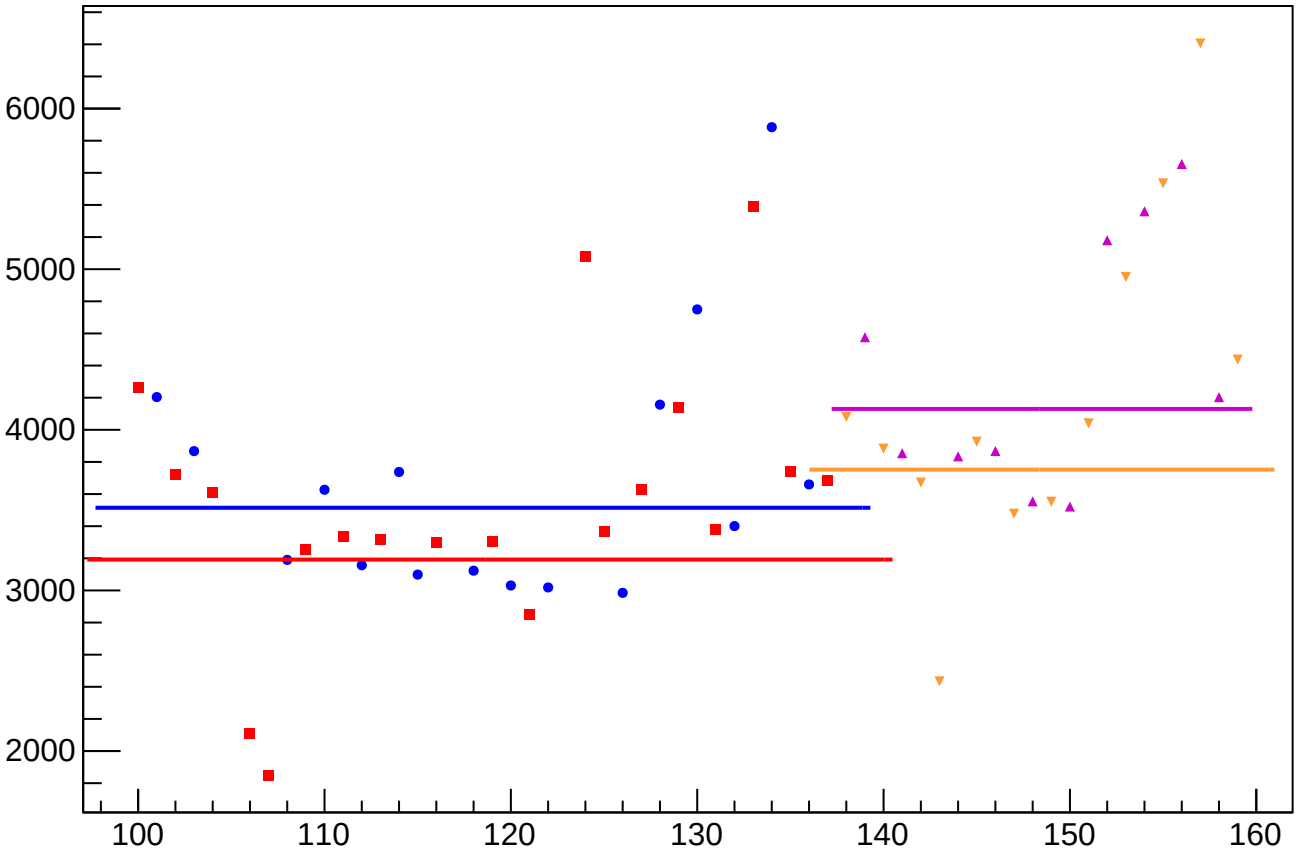
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.681 χ^2/NDF:4.5/9

\+ sign 187.504+/-913.429 χ^2/NDF: 33.3/27

All: 270.273+/-646.966 χ^2/NDF: 54.8/56

\- sign 353.595+/-916.474 χ^2/NDF: 21.5/28



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3752.024+/-0.890 χ^2/NDF:1101737.2/11

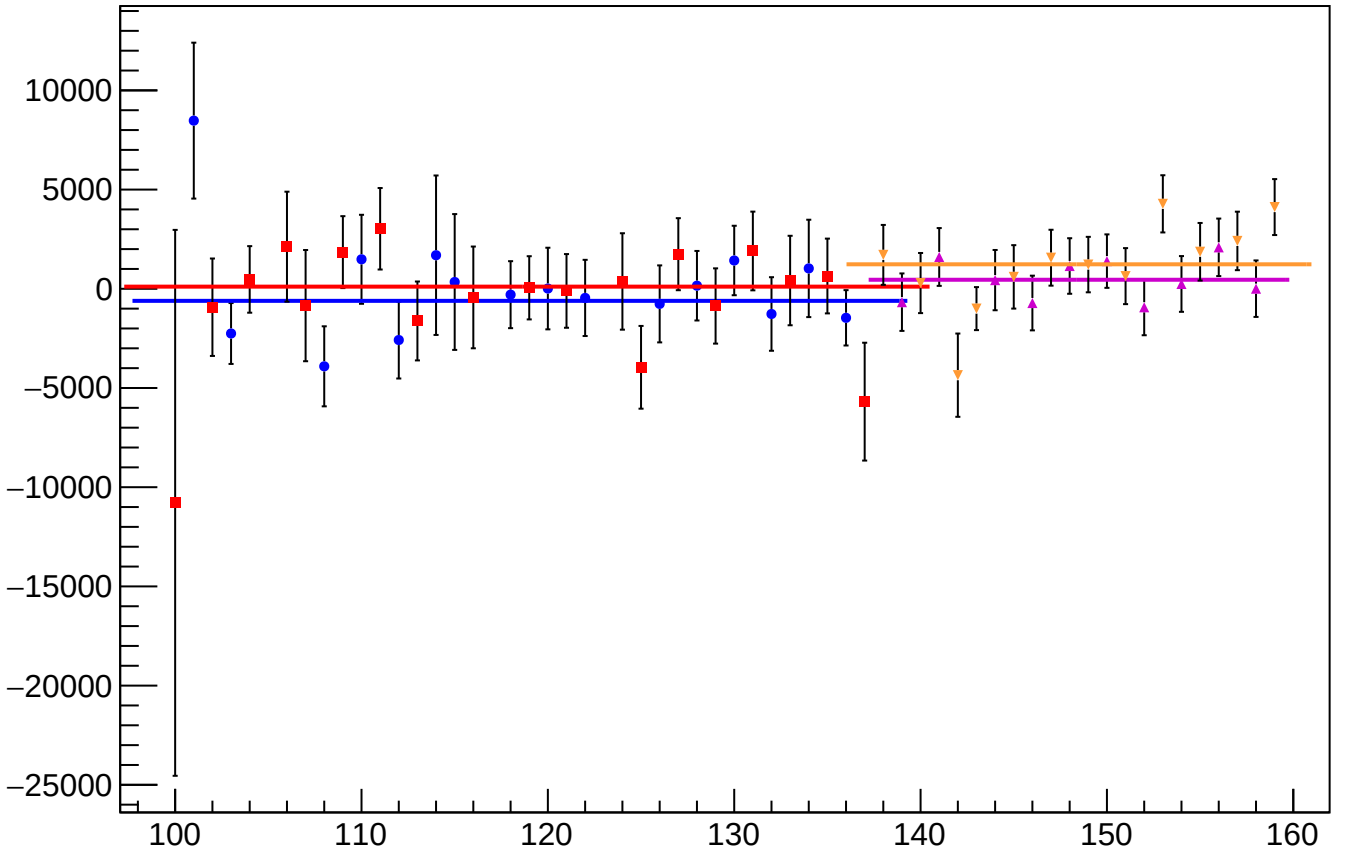
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

+ sign 3639.666+/-0.646 χ^2/NDF: 1510460.7/27

All: 3611.445+/-0.457 χ^2/NDF: 3219311.7/56

- sign 3583.036+/-0.648 χ^2/NDF: 1705020.2/28



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

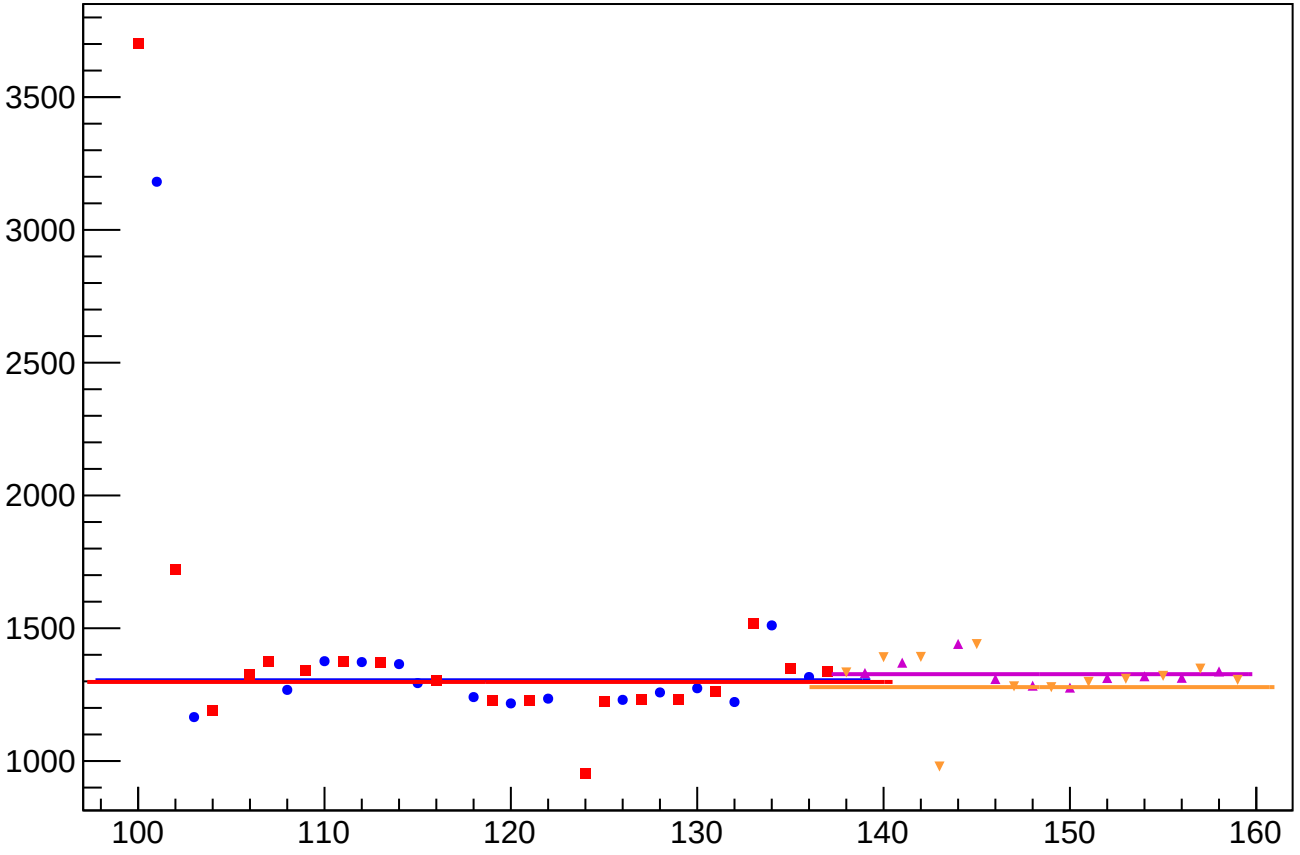
Left In: 455.385+/-449.549 χ^2/NDF:5.0/9

\+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 386.060+/-229.022 χ^2/NDF: 64.3/56

\- sign 295.334+/-329.874 χ^2/NDF: 20.2/28

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

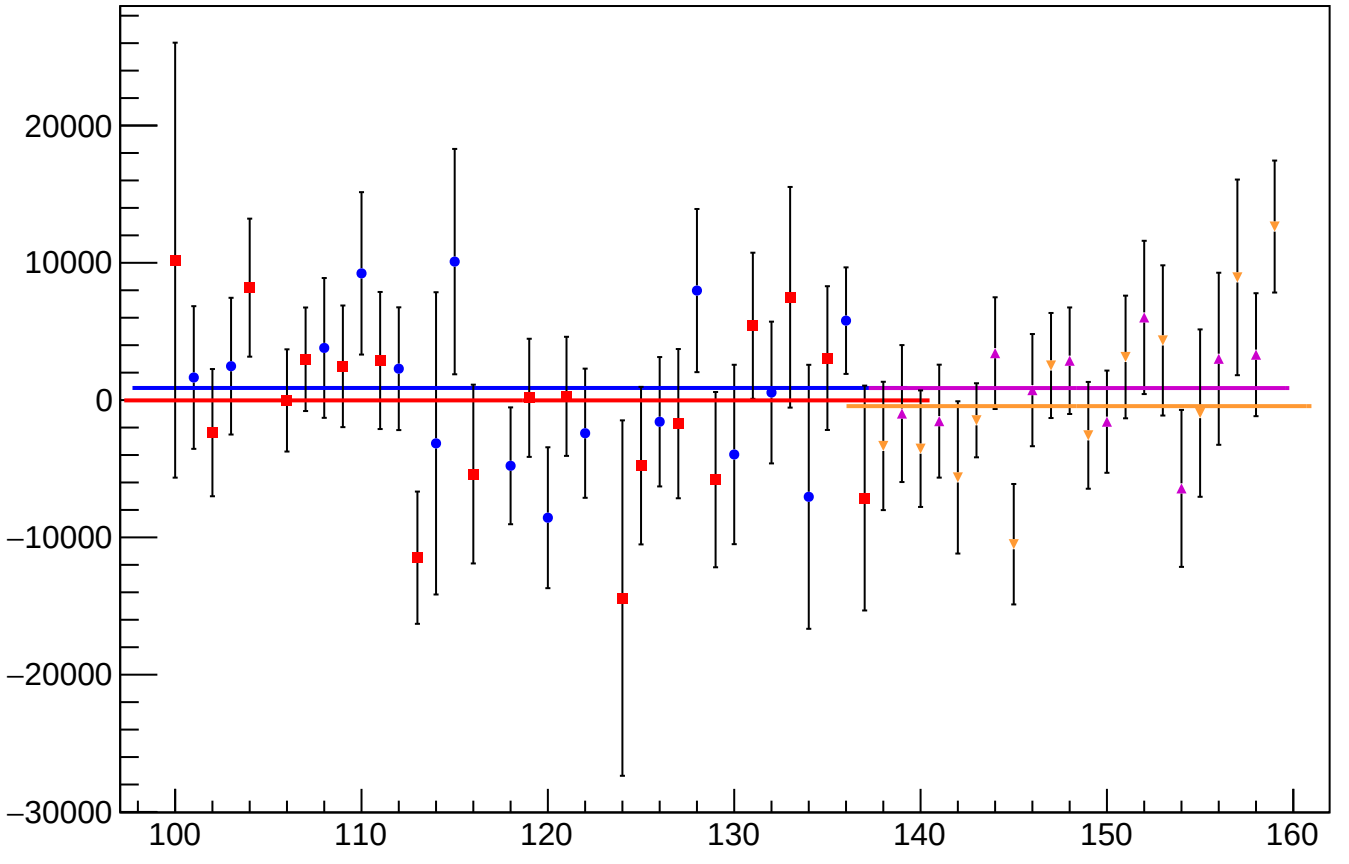
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

+ sign 1289.001+/-0.225 χ^2/NDF: 714368.3/27

All: 1300.835+/-0.162 χ^2/NDF: 955784.0/56

- sign 1313.543+/-0.233 χ^2/NDF: 235679.4/28



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -439.000+/-1258.891 χ^2/NDF:18.6/11

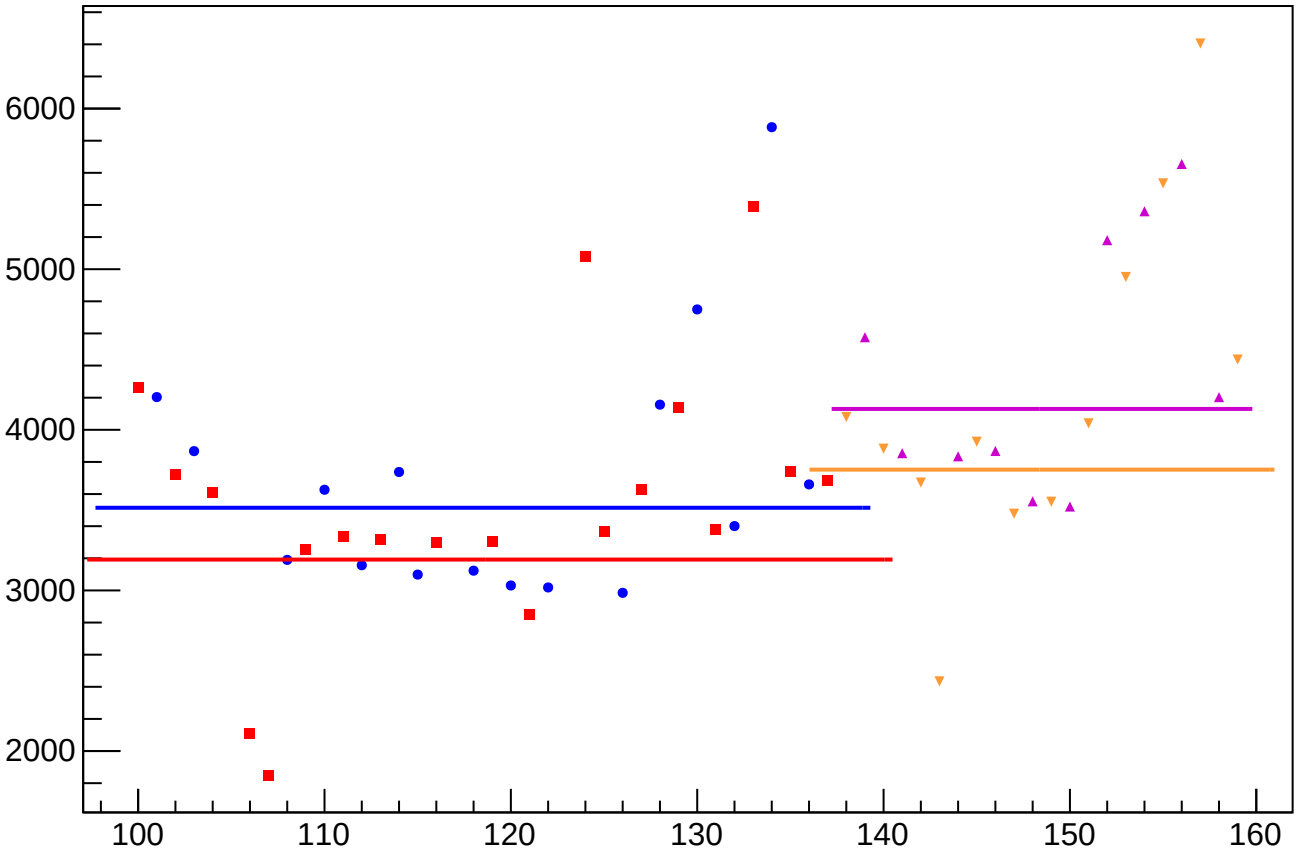
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.683 χ^2/NDF:4.5/9

\+ sign 187.504+/-913.428 χ^2/NDF: 33.3/27

All: 270.273+/-646.965 χ^2/NDF: 54.8/56

\- sign 353.596+/-916.473 χ^2/NDF: 21.5/28



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

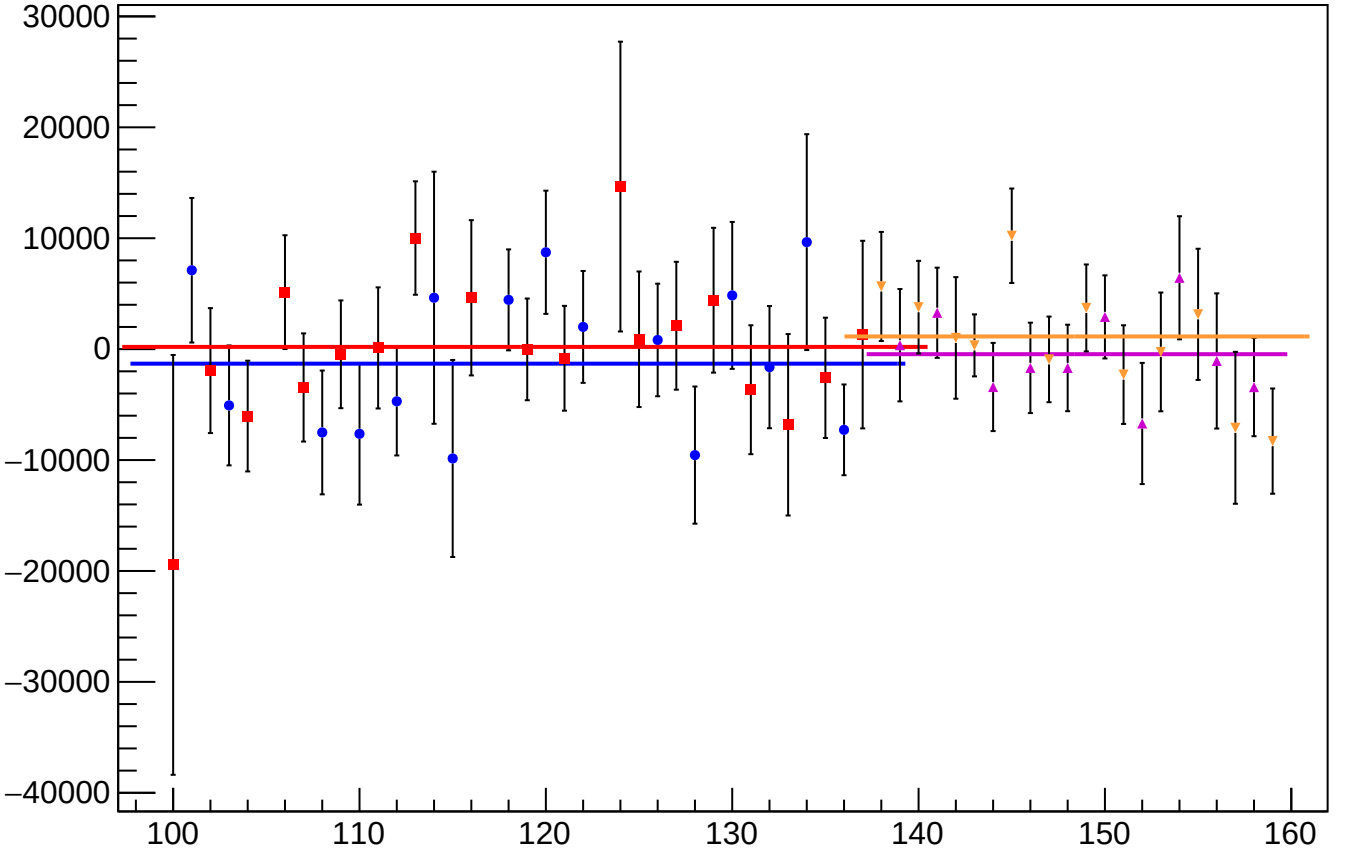
Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

+ sign 3639.664+/-0.646 χ^2/NDF: 1510469.1/27

All: 3611.442+/-0.457 χ^2/NDF: 3219337.8/56

- sign 3583.032+/-0.648 χ^2/NDF: 1705037.6/28

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

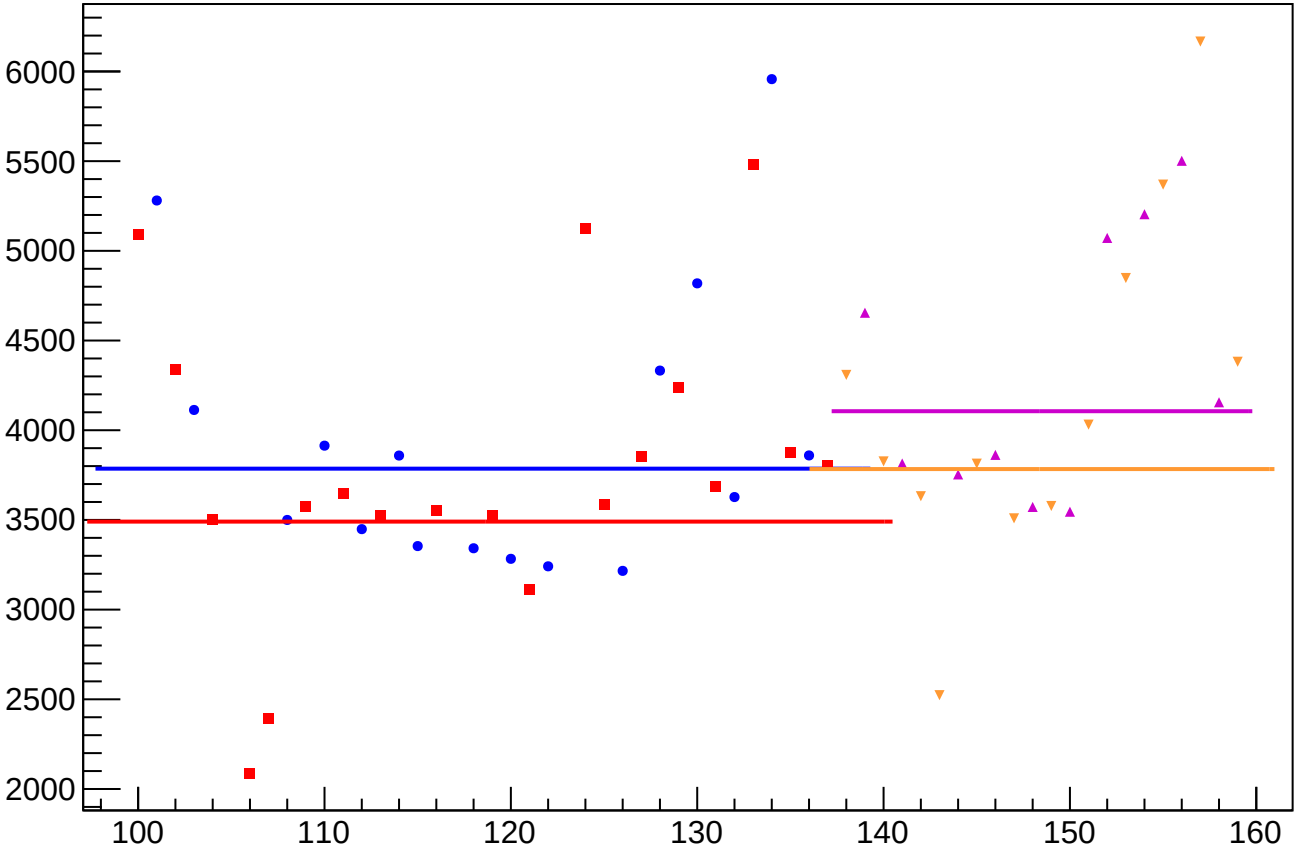
Left In: -454.679+/-1408.822 χ^2/NDF:5.7/9

+ sign 70.235+/-947.016 χ^2/NDF: 32.0/27

All: -17.363+/-677.431 χ^2/NDF: 49.5/56

- sign -109.159+/-969.441 χ^2/NDF: 17.5/28

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

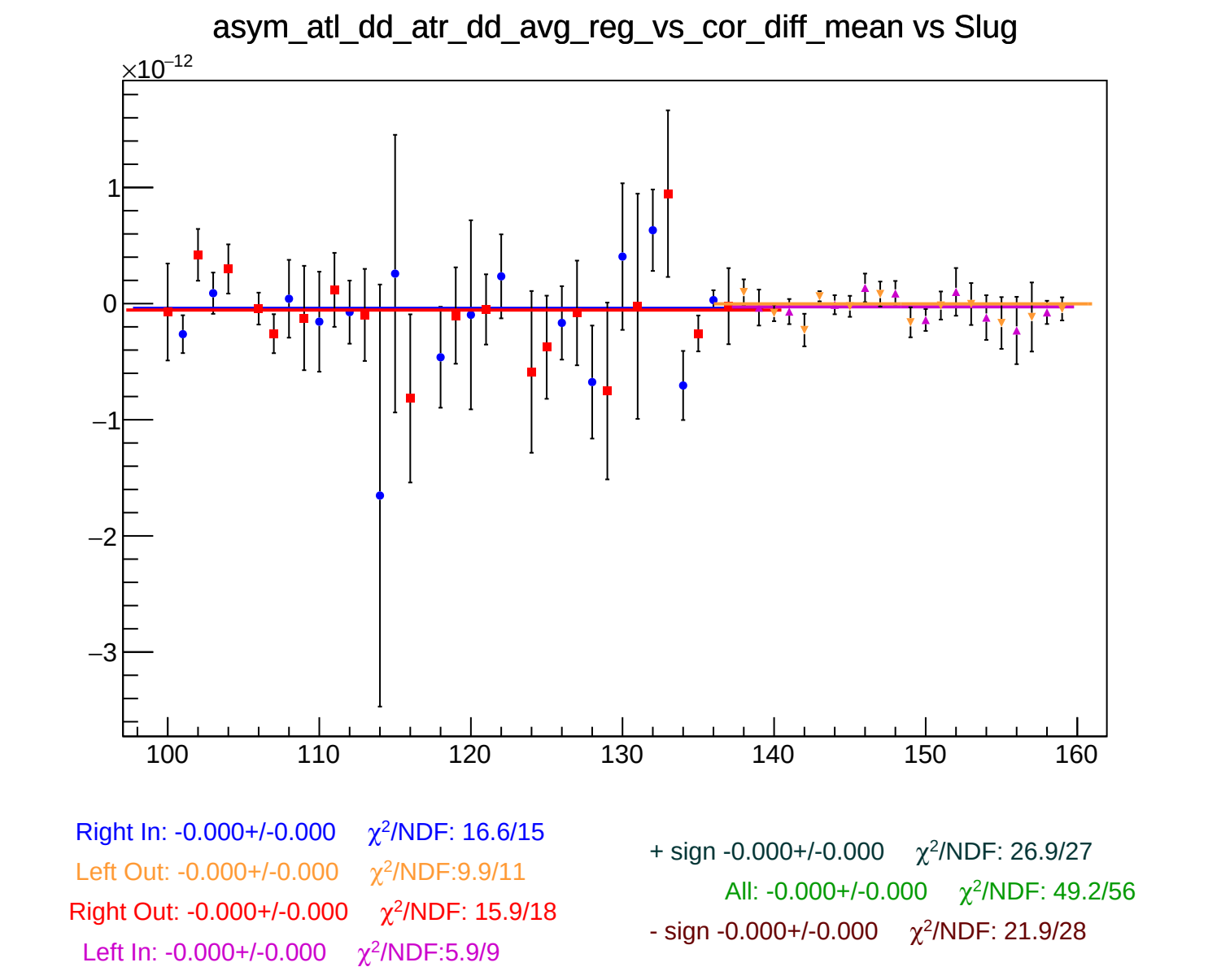
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

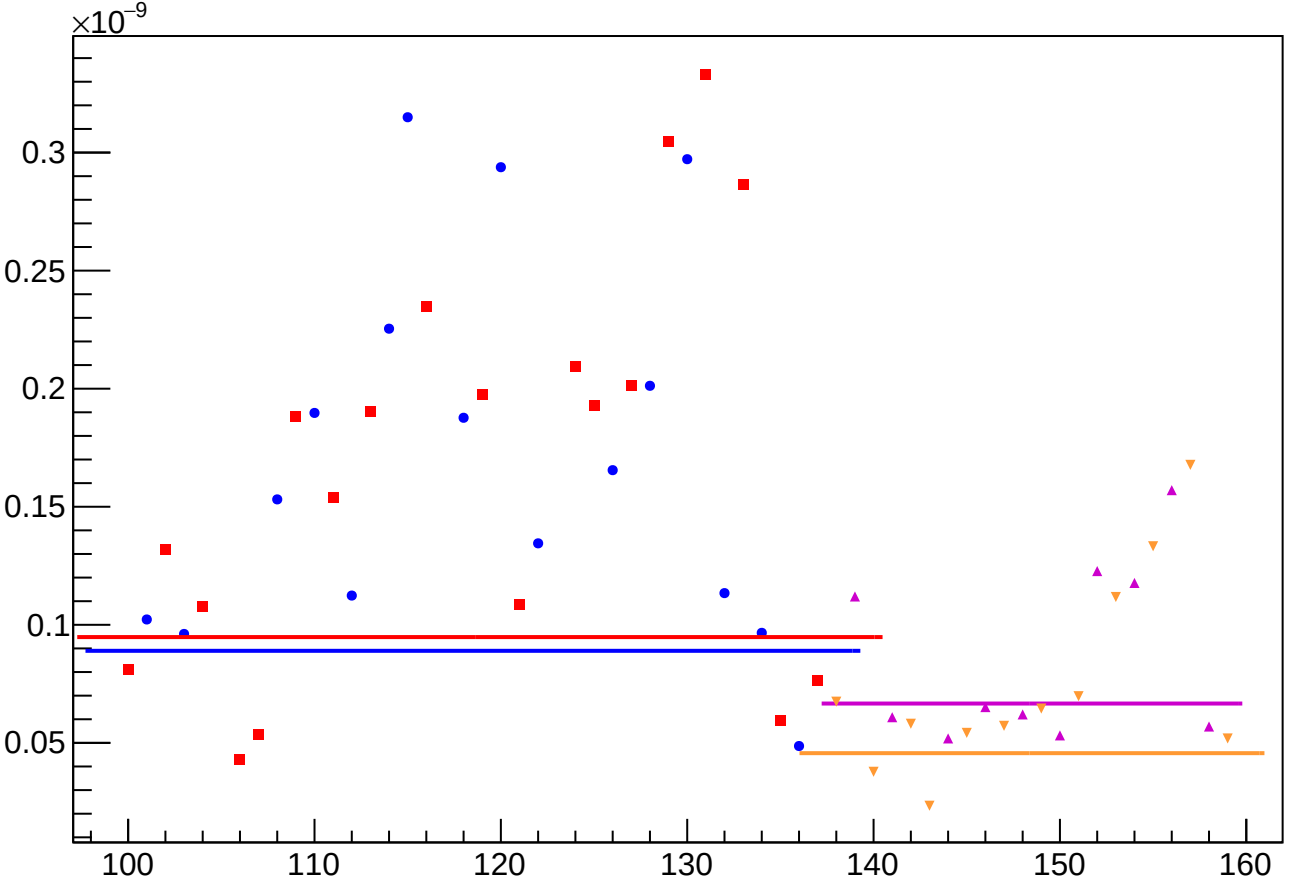
Left In: 4105.999+/-0.996 χ^2/NDF:384869.6/9

+ sign 3784.486+/-0.670 χ^2/NDF: 1333117.1/27

All: 3781.196+/-0.477 χ^2/NDF: 2508270.3/56

- sign 3777.797+/-0.681 χ^2/NDF: 1175104.2/28


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:5.9/9
+ sign -0.000+/-0.000 χ²/NDF: 26.9/27
All: -0.000+/-0.000 χ²/NDF: 49.2/56
- sign -0.000+/-0.000 χ²/NDF: 21.9/28



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

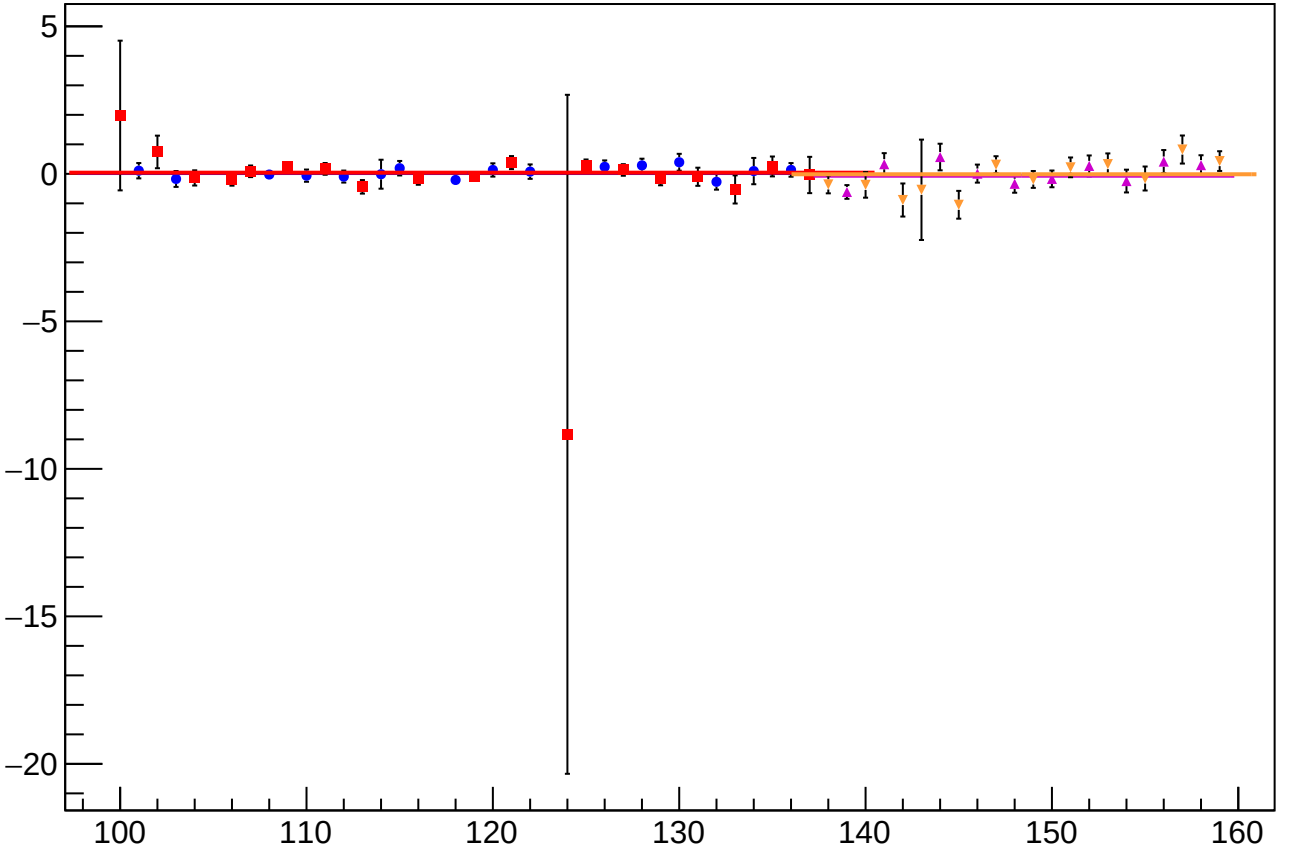
Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 4070274.2/27

All: 0.000+/-0.000 χ^2/NDF: 7396914.7/56

- sign 0.000+/-0.000 χ^2/NDF: 2812992.9/28

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

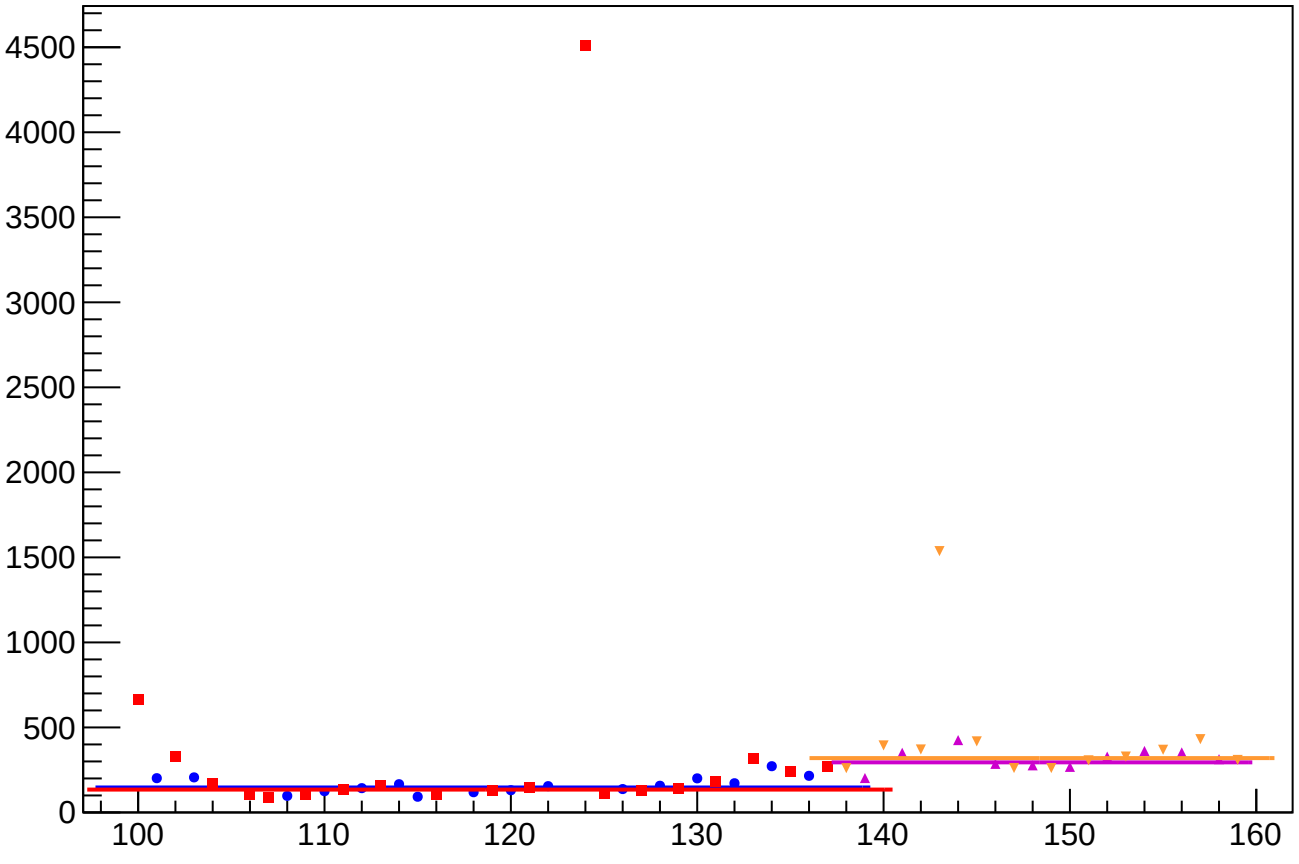
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 319.653+/-0.077 χ^2/NDF:1573887.6/11

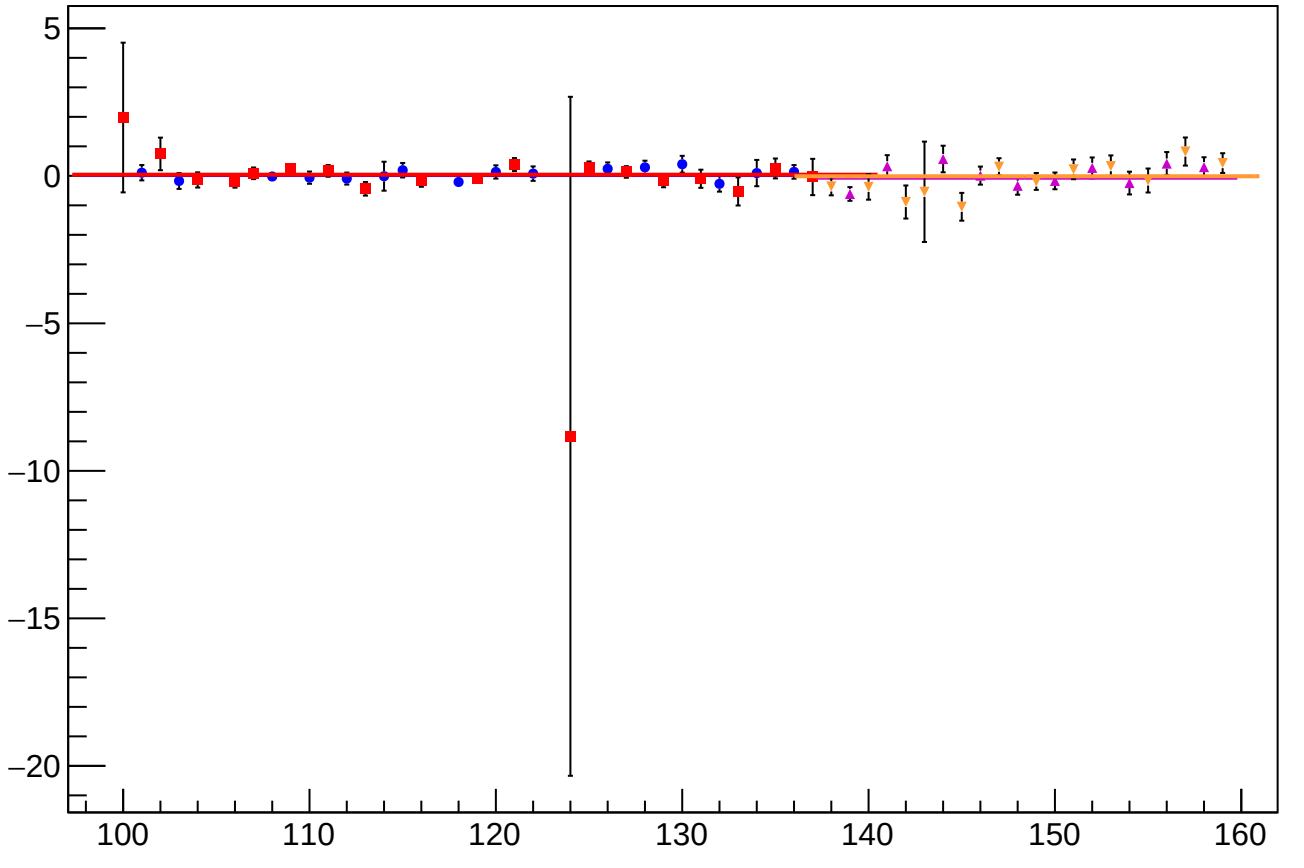
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

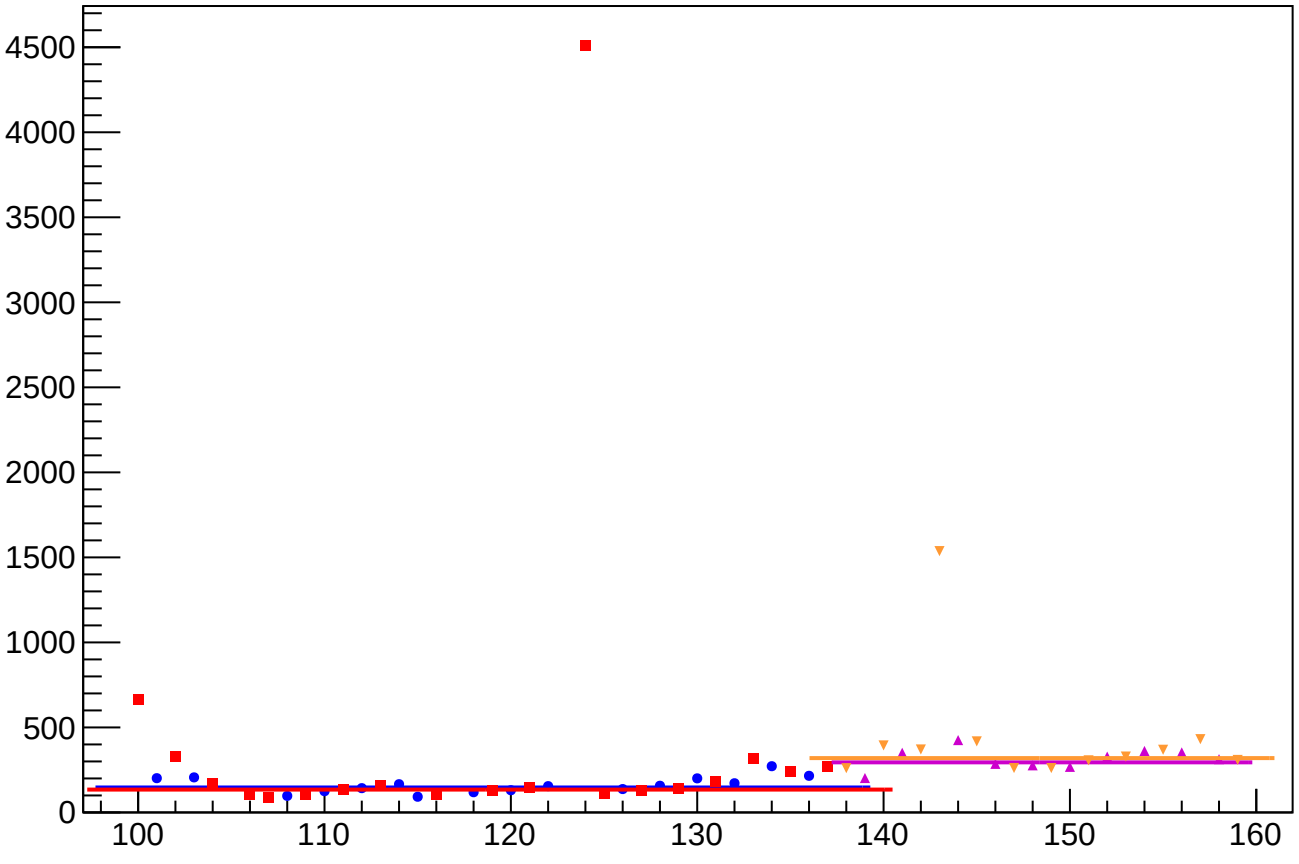
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 319.653+/-0.077 χ^2/NDF:1573887.6/11

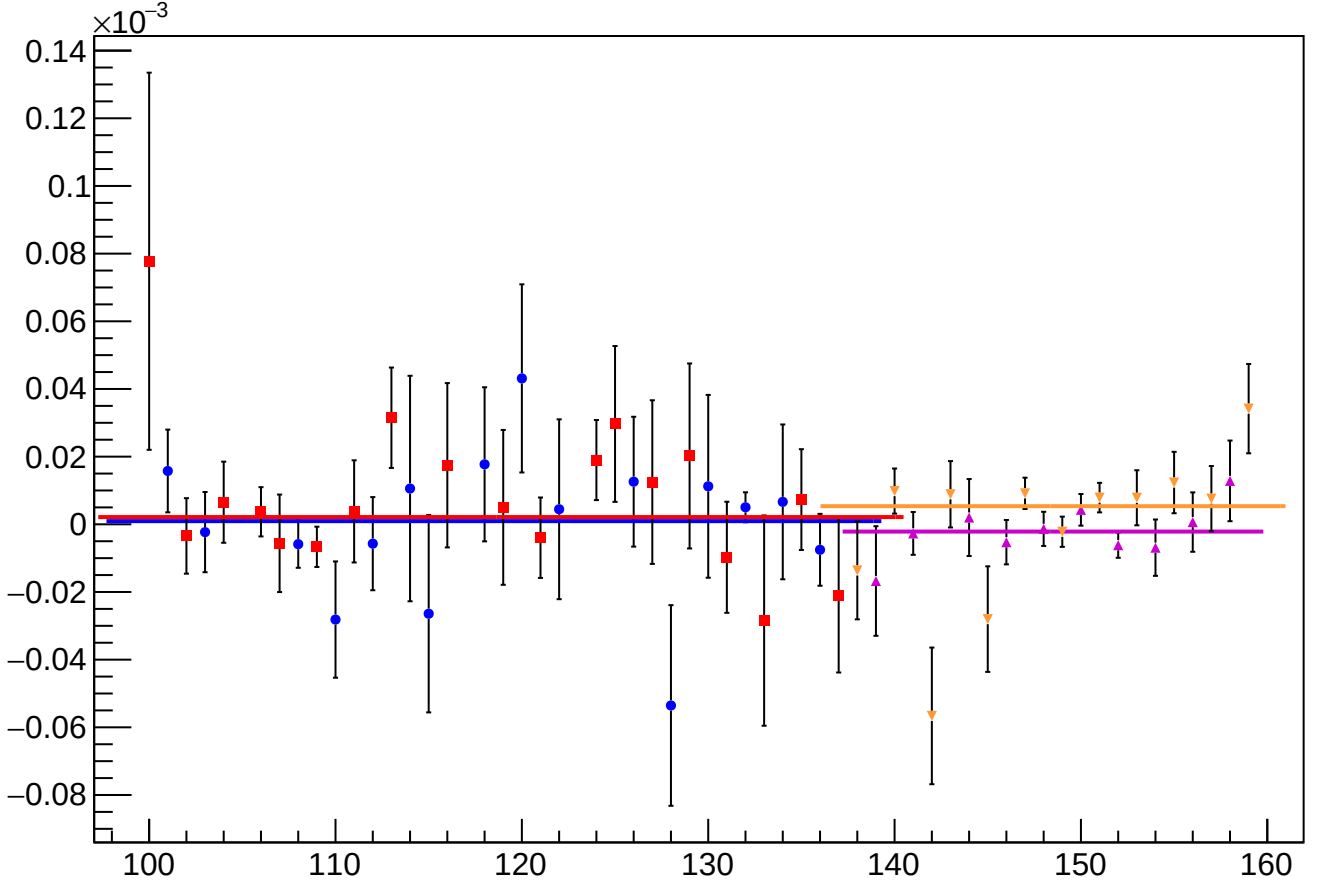
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/11

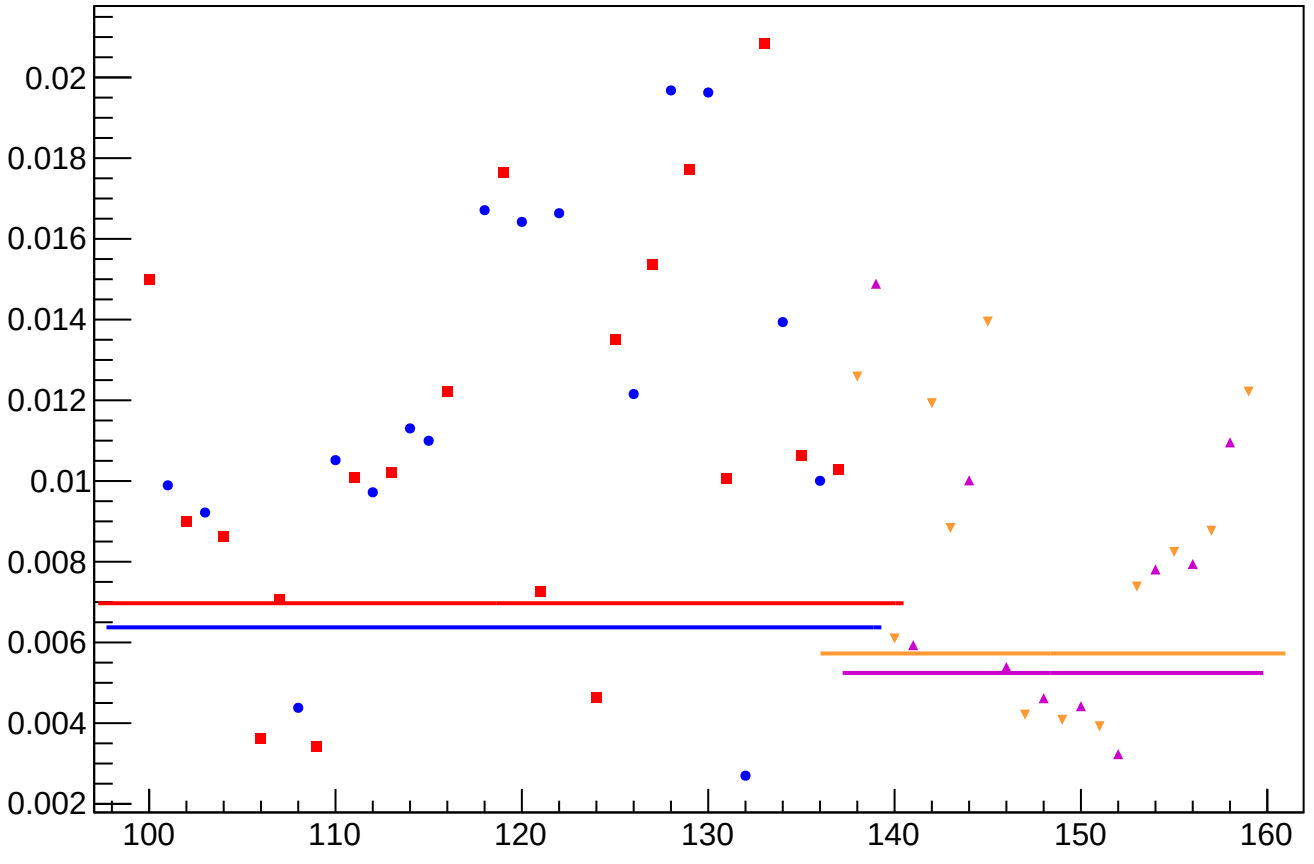
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/27

All: 0.000+/-0.000 χ^2/NDF: 69.8/56

- sign -0.000+/-0.000 χ^2/NDF: 23.7/28



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:3148839.7/11

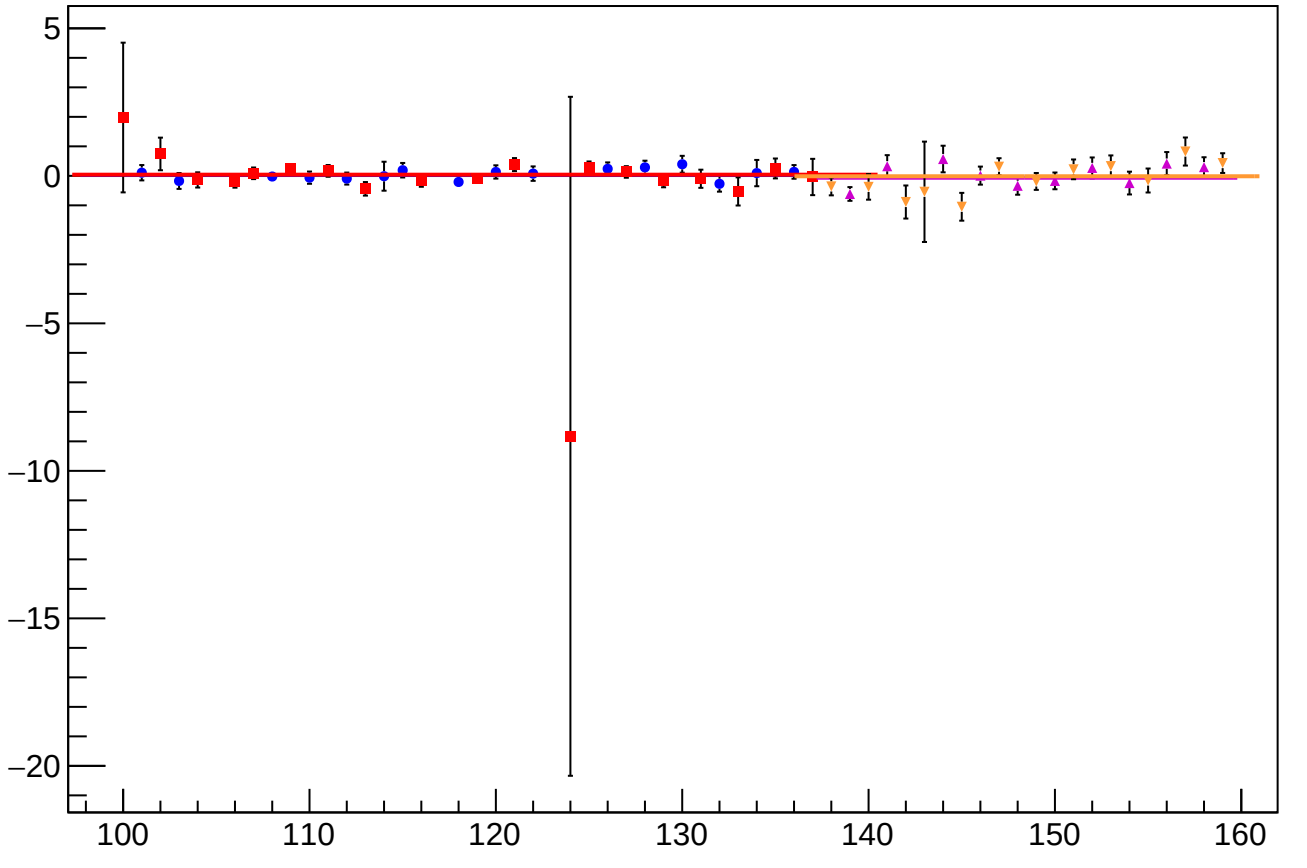
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

+ sign 0.006+/-0.000 χ^2/NDF: 7854201.6/27

All: 0.006+/-0.000 χ^2/NDF: 14328889.4/56

- sign 0.006+/-0.000 χ^2/NDF: 6464444.3/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

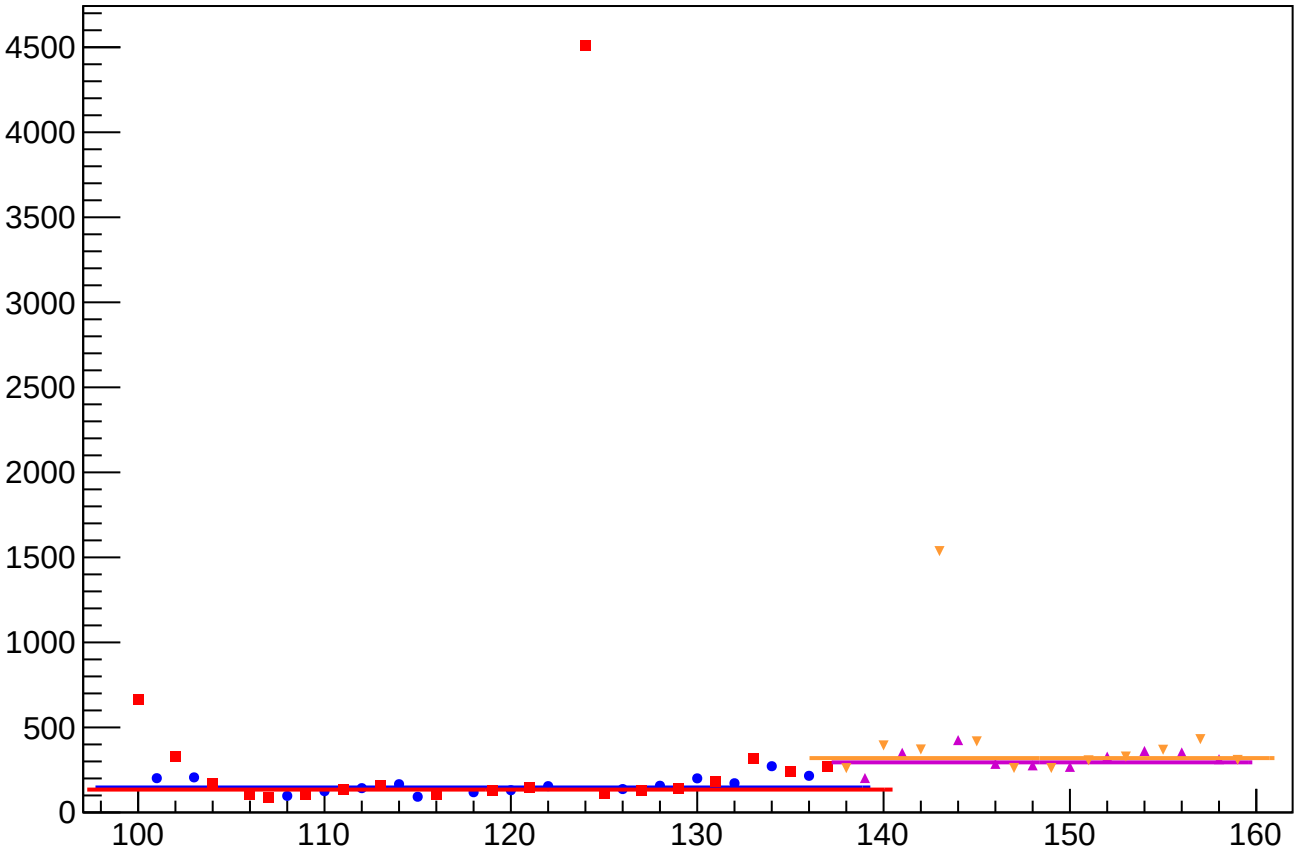
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 319.656+/-0.077 χ^2/NDF:1573890.2/11

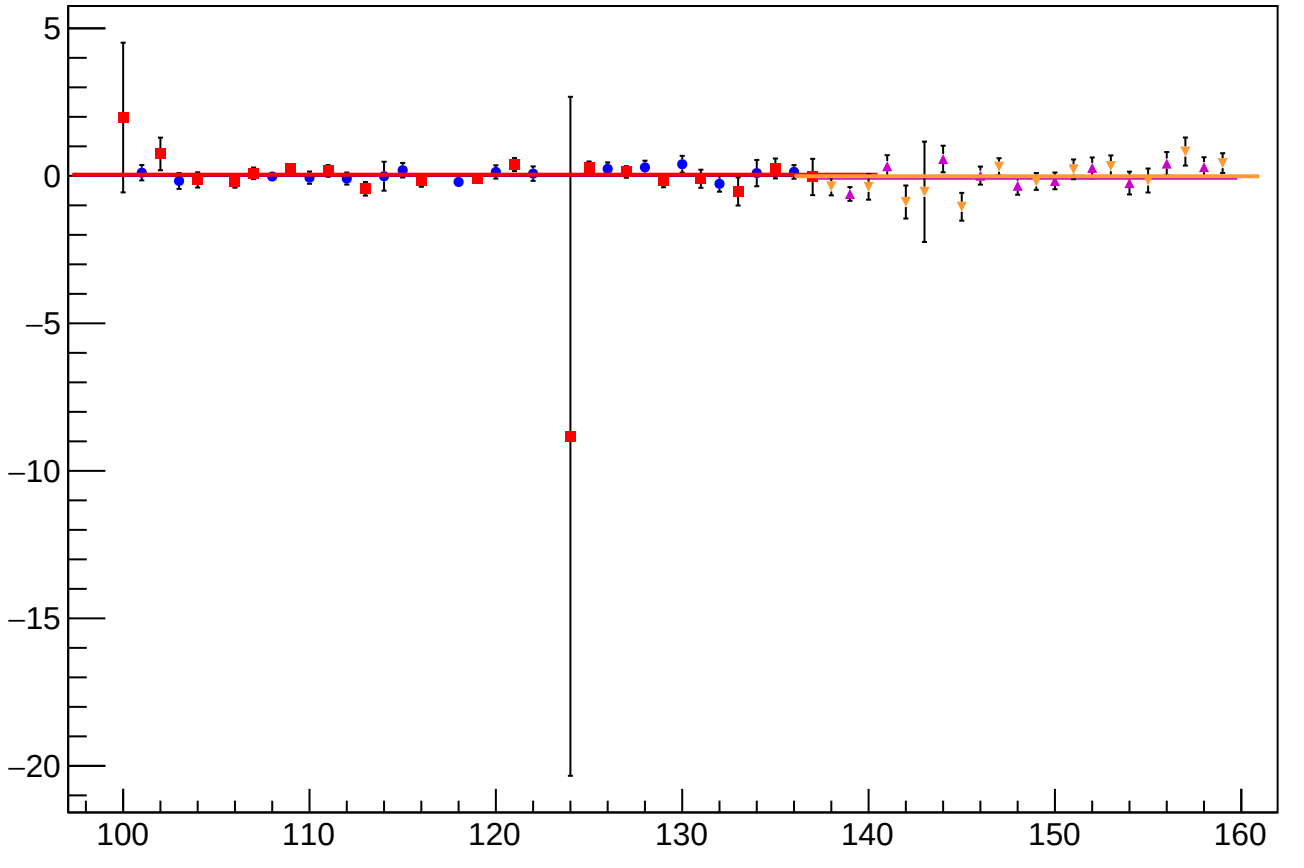
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511183.9/27

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

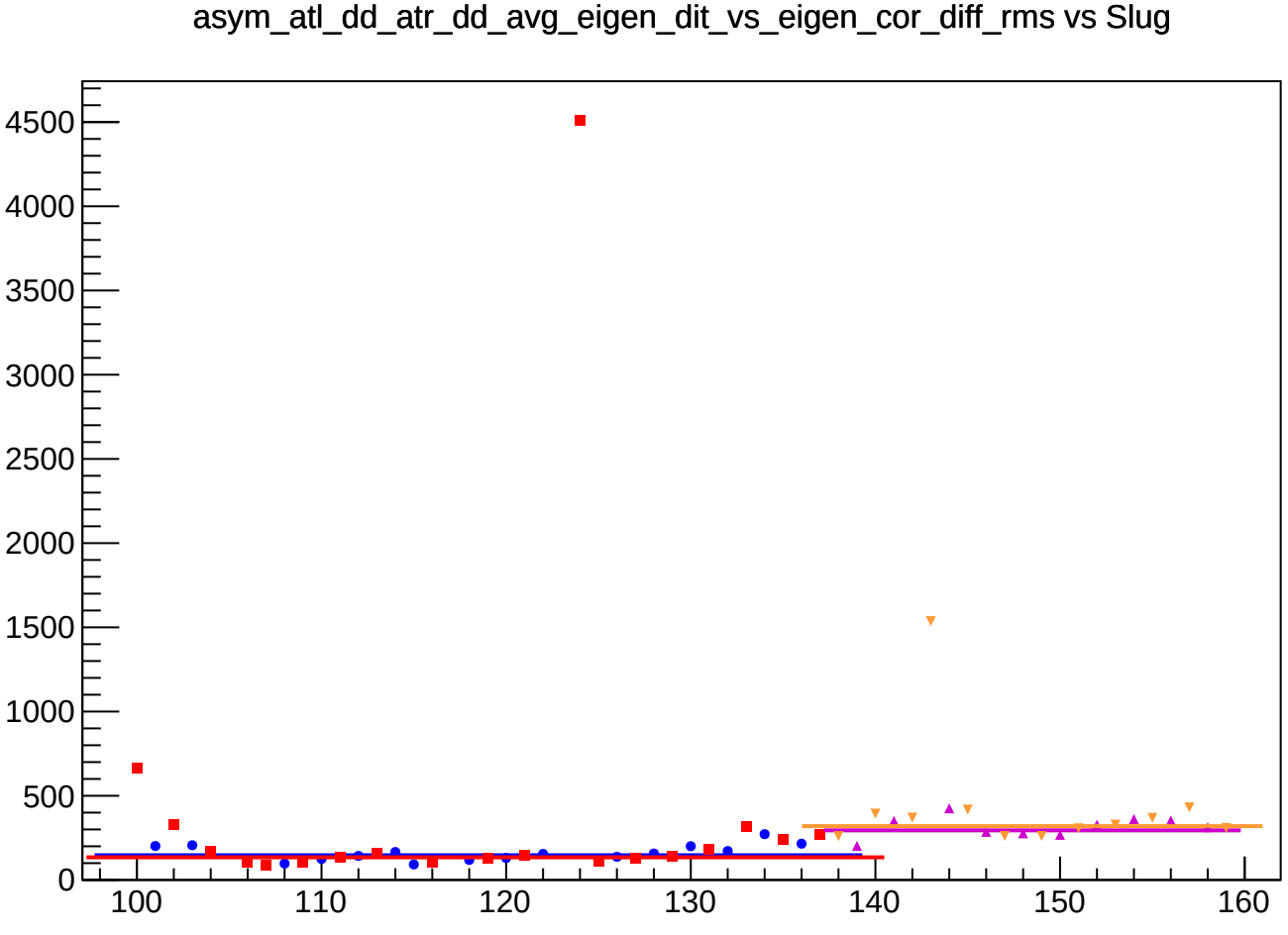
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

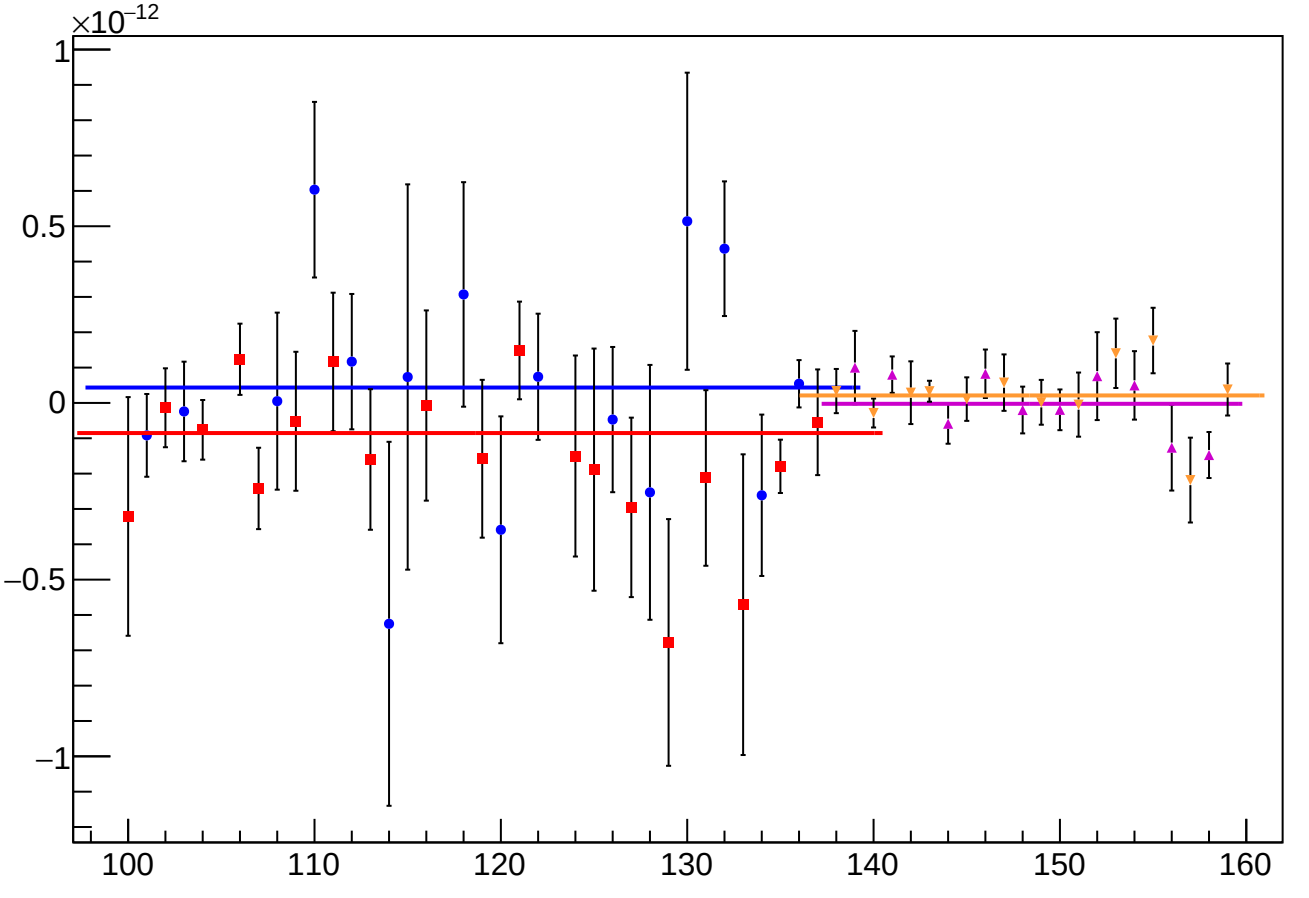
Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28


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: 294.676+/-0.073 χ²/NDF:683060.5/9
+ sign 184.768+/-0.036 χ²/NDF: 6511183.9/27
All: 176.958+/-0.025 χ²/NDF: 12671779.4/56
- sign 169.934+/-0.034 χ²/NDF: 6071428.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/11

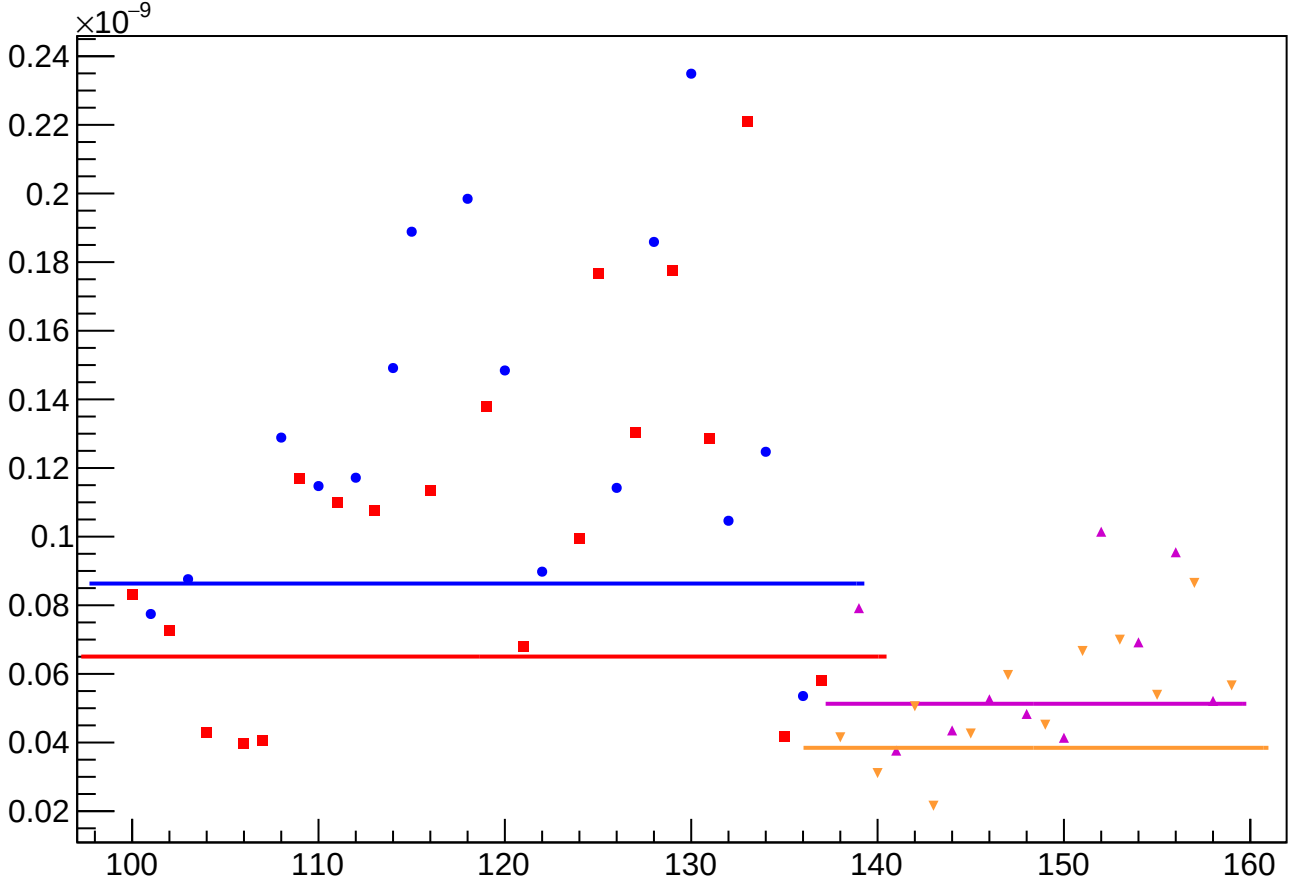
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/27

All: 0.000+/-0.000 χ^2/NDF: 69.2/56

- sign -0.000+/-0.000 χ^2/NDF: 35.2/28



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

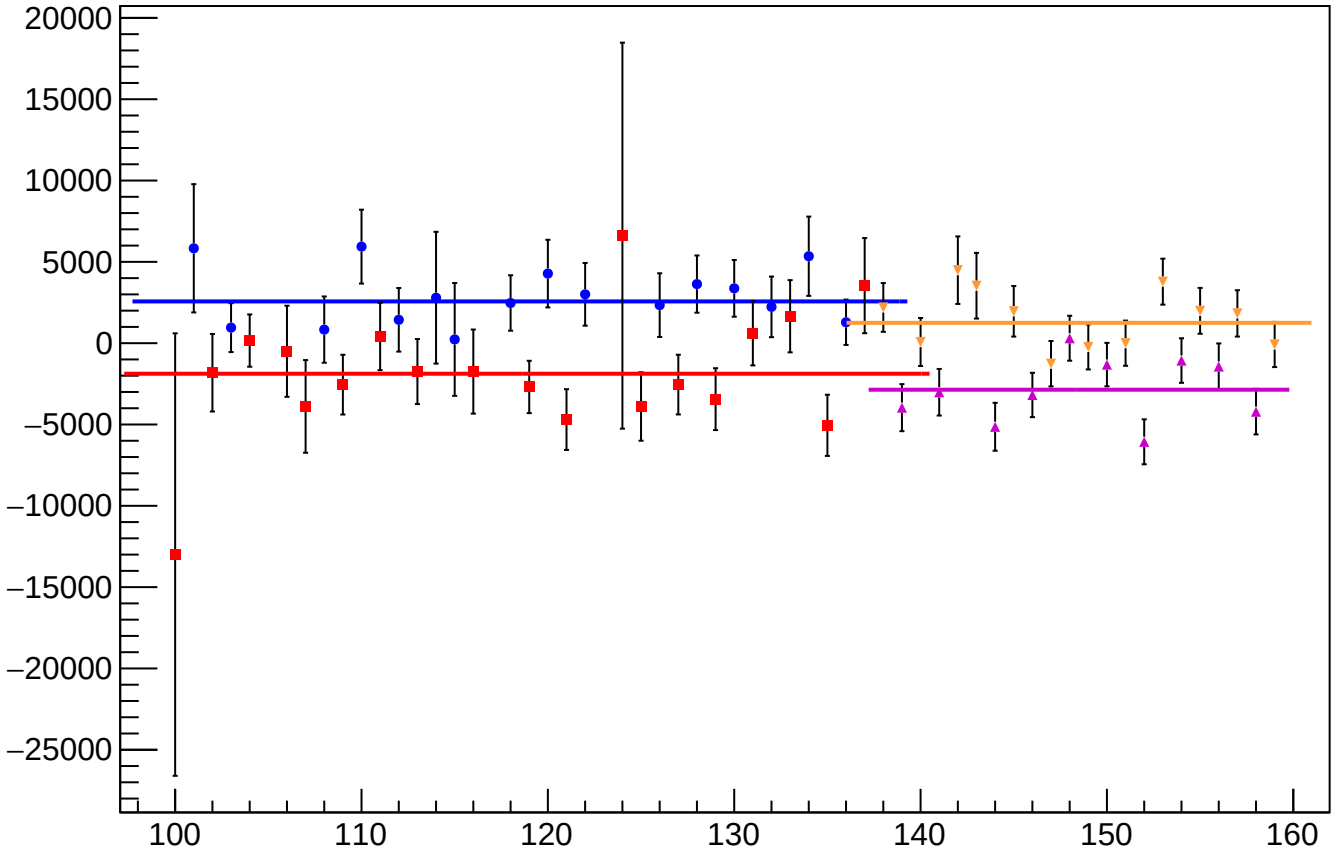
Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

\+ sign 0.000+/-0.000 χ^2/NDF: 5550588.3/27

All: 0.000+/-0.000 χ^2/NDF: 9329221.1/56

\- sign 0.000+/-0.000 χ^2/NDF: 3429254.1/28

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

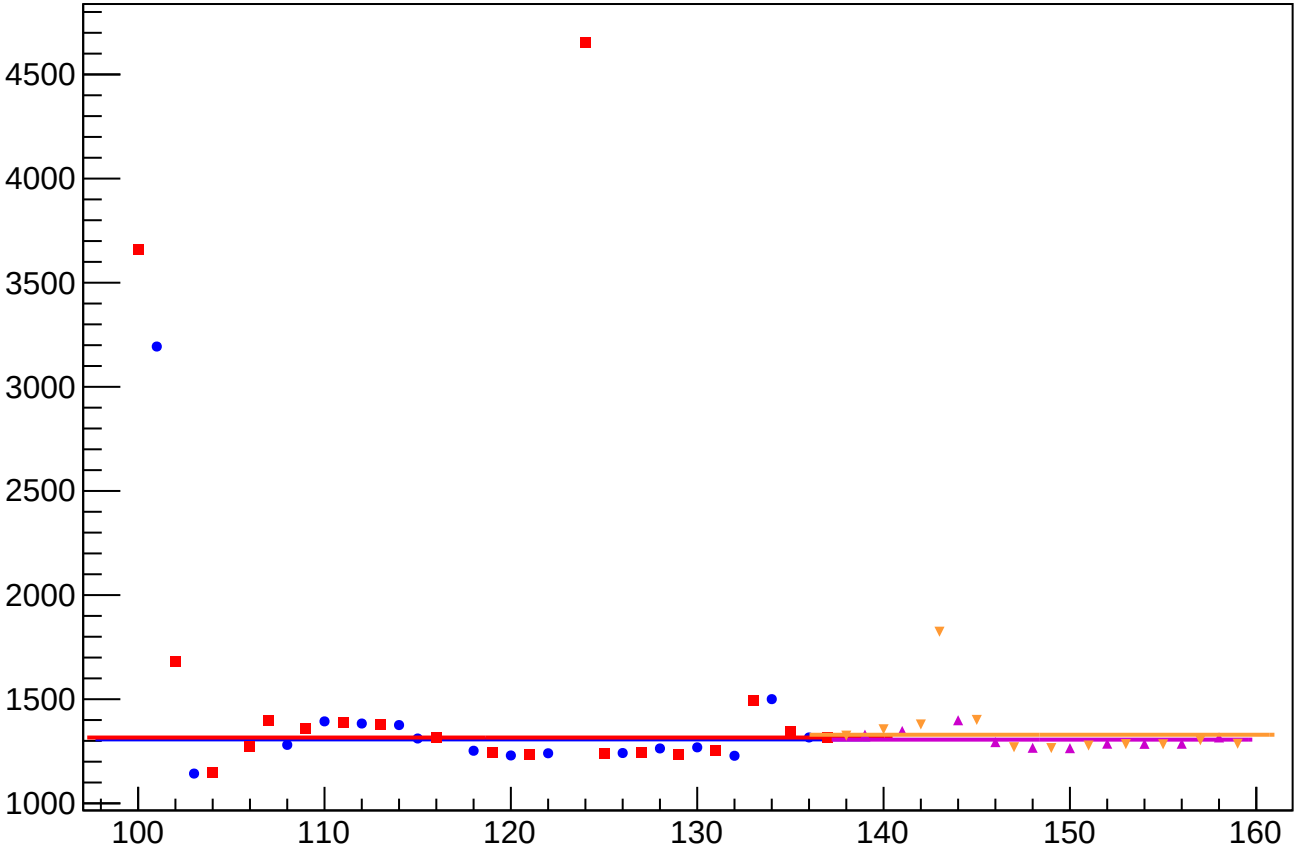
Left In: -2861.562+/-442.330 χ^2/NDF:18.6/9

+ sign 1819.935+/-325.519 χ^2/NDF: 27.8/27

All: -274.960+/-231.657 χ^2/NDF: 152.1/56

- sign -2424.613+/-329.746 χ^2/NDF: 40.4/28

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

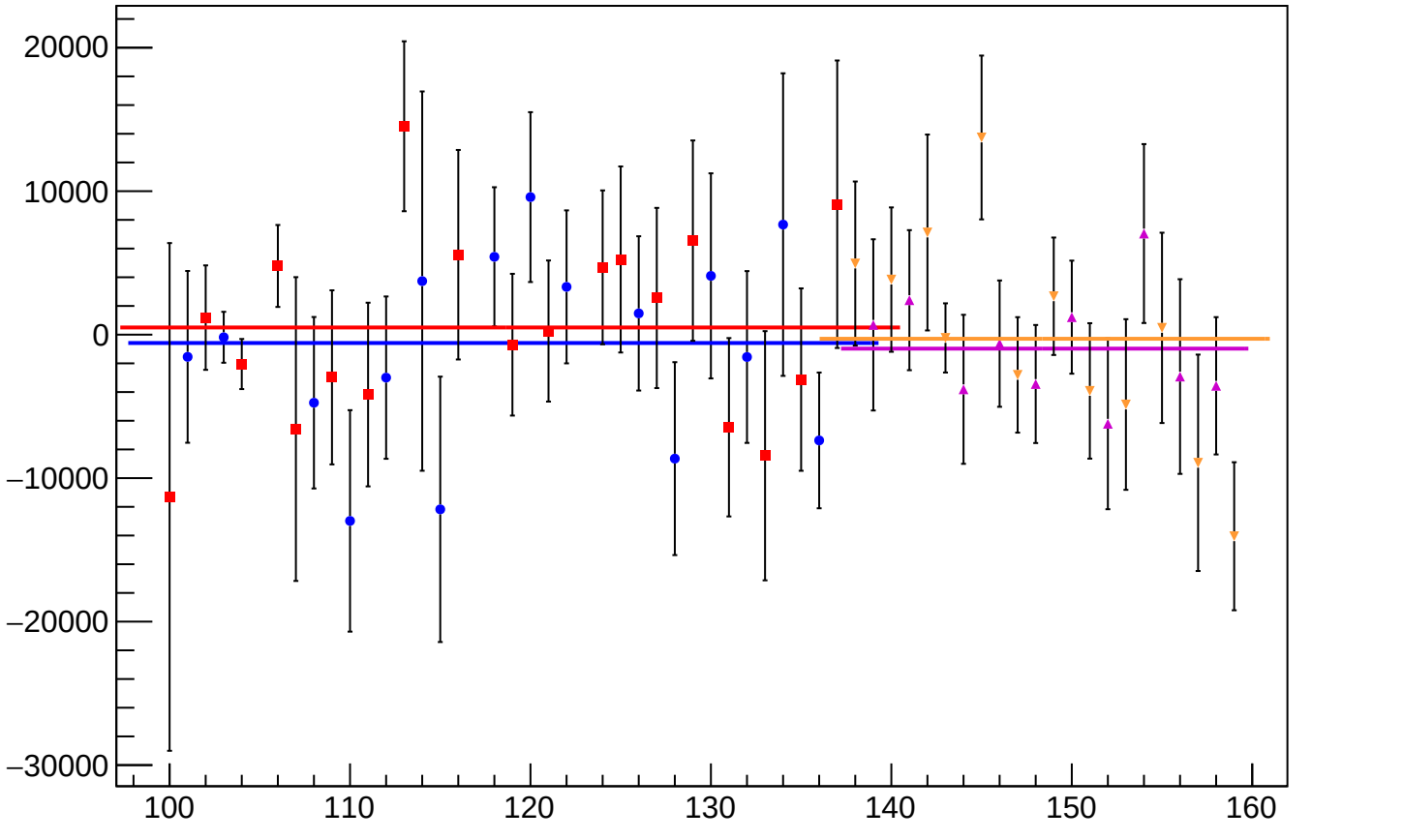
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

+ sign 1319.735+/-0.230 χ^2/NDF: 662137.3/27

All: 1315.114+/-0.164 χ^2/NDF: 1005006.5/56

- sign 1310.383+/-0.233 χ^2/NDF: 342053.4/28



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -286.854+/-1328.149 χ^2/NDF:19.3/11

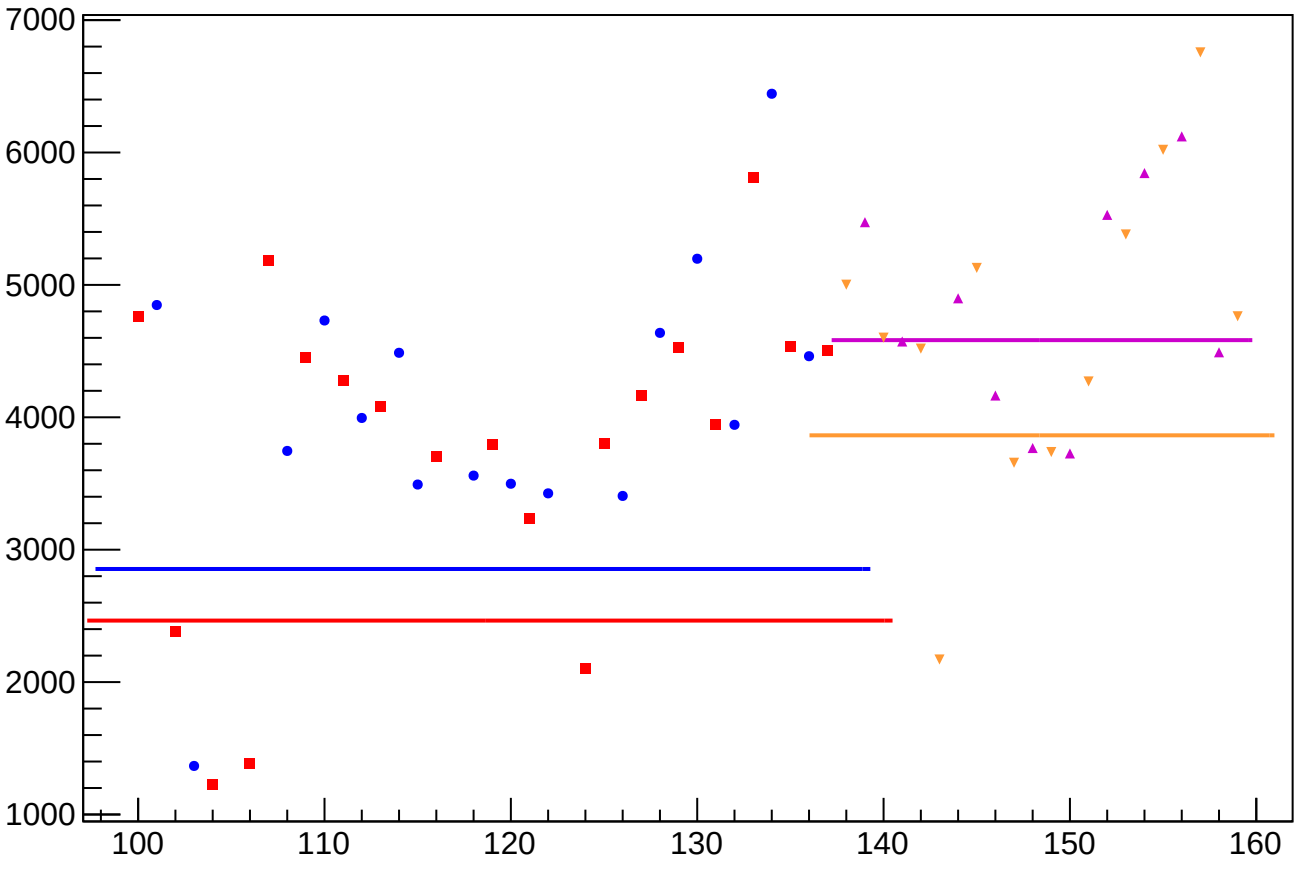
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -974.303+/-1577.965 χ^2/NDF:4.3/9

+ sign -450.104+/-887.468 χ^2/NDF: 34.0/27

All: -200.013+/-623.904 χ^2/NDF: 56.8/56

- sign 44.373+/-877.286 χ^2/NDF: 22.6/28



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

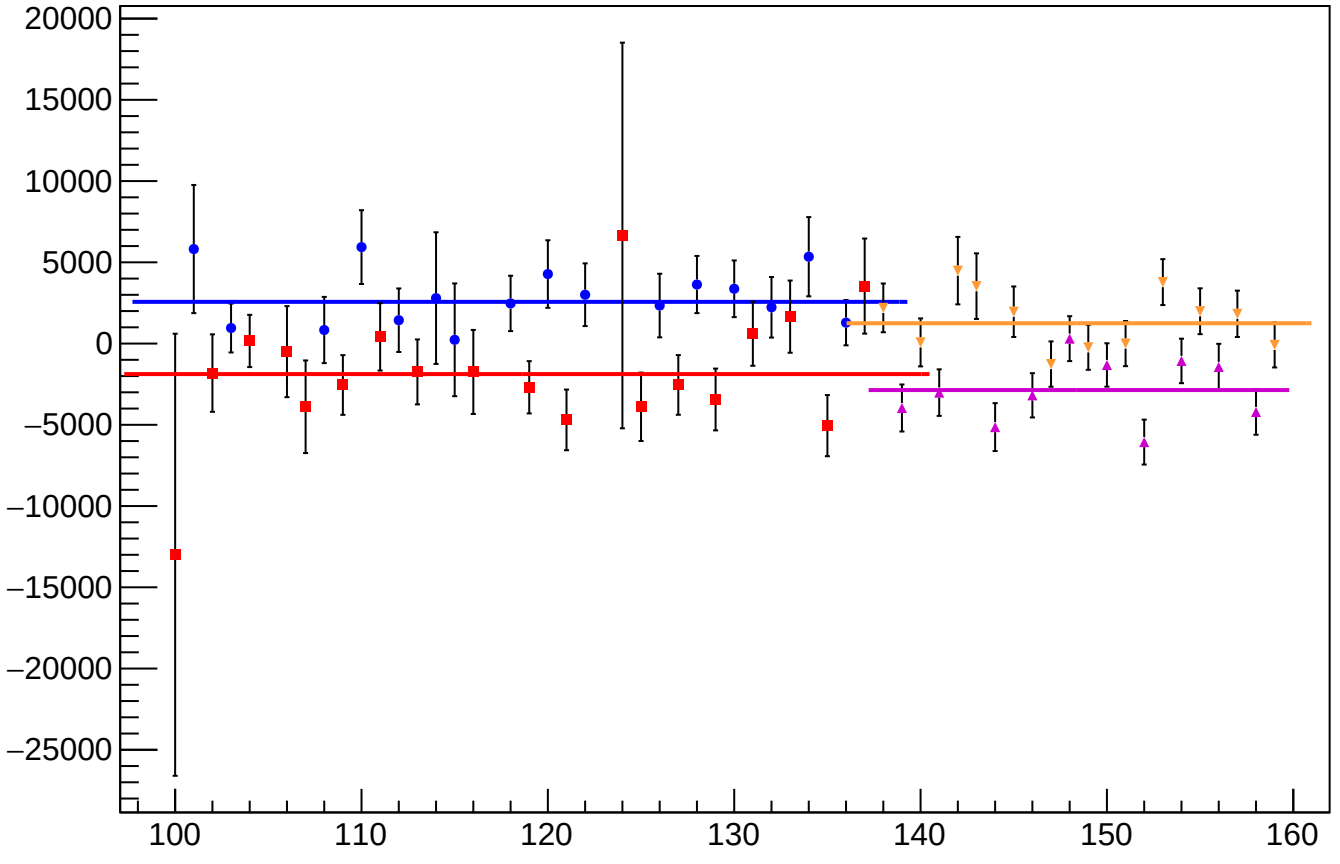
Left In: 4582.832+/-1.116 χ^2/NDF:479010.2/9

+ sign 3305.057+/-0.628 χ^2/NDF: 5488641.9/27

All: 3211.119+/-0.441 χ^2/NDF: 11857940.7/5

- sign 3119.324+/-0.620 χ^2/NDF: 6324993.5/28

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

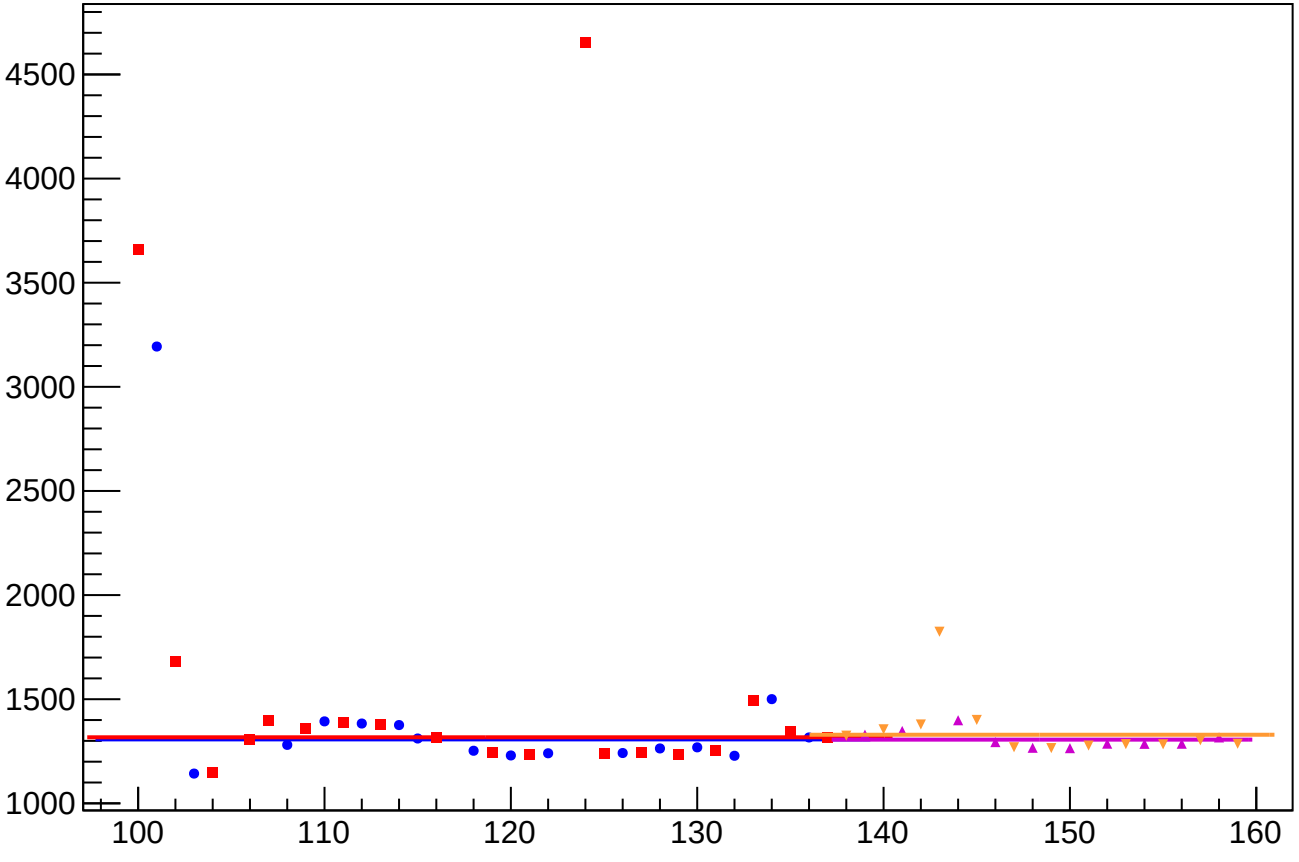
Left In: -2861.700+/-442.330 χ^2/NDF:18.6/9

+ sign 1819.777+/-325.519 χ^2/NDF: 27.8/27

All: -275.022+/-231.657 χ^2/NDF: 152.1/56

- sign -2424.576+/-329.746 χ^2/NDF: 40.4/28

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

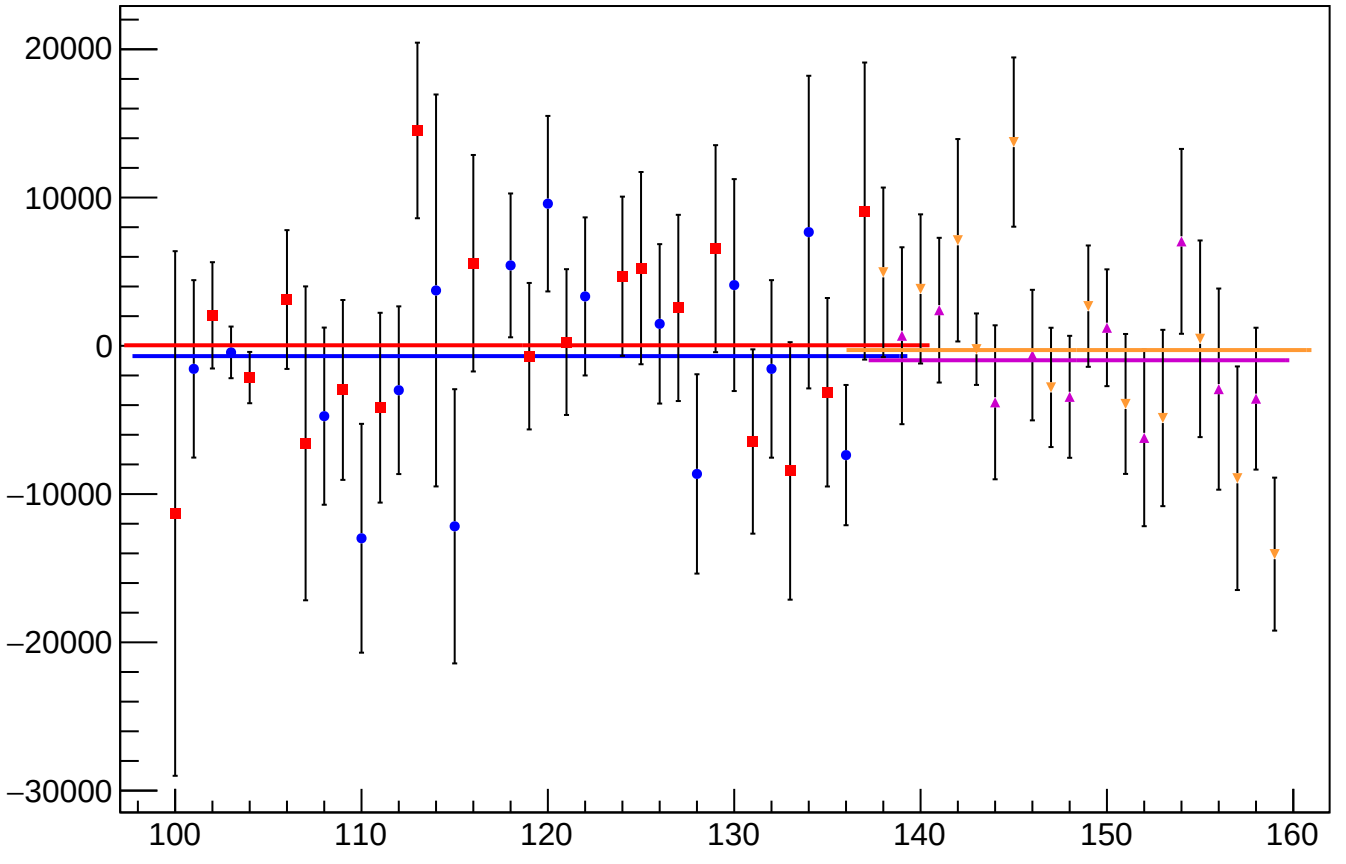
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

+ sign 1319.735+/-0.230 χ^2/NDF: 662138.9/27

All: 1315.362+/-0.164 χ^2/NDF: 1004539.4/56

- sign 1310.881+/-0.233 χ^2/NDF: 341669.7/28



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -286.895+/-1328.143 χ^2/NDF:19.3/11

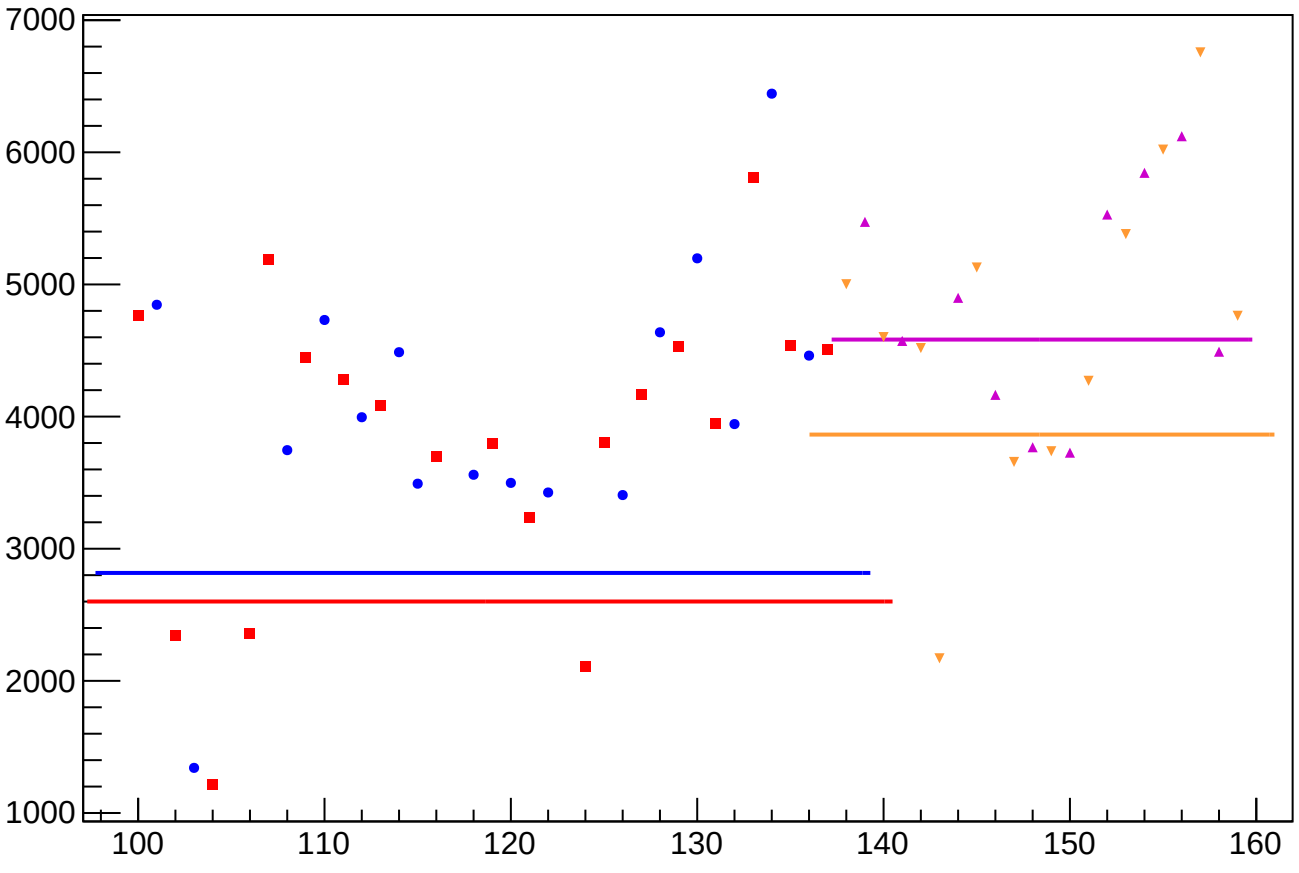
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -974.395+/-1577.964 χ^2/NDF:4.3/9

+ sign -514.693+/-883.147 χ^2/NDF: 34.0/27

All: -406.420+/-630.831 χ^2/NDF: 54.6/56

- sign -293.627+/-901.392 χ^2/NDF: 20.5/28



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

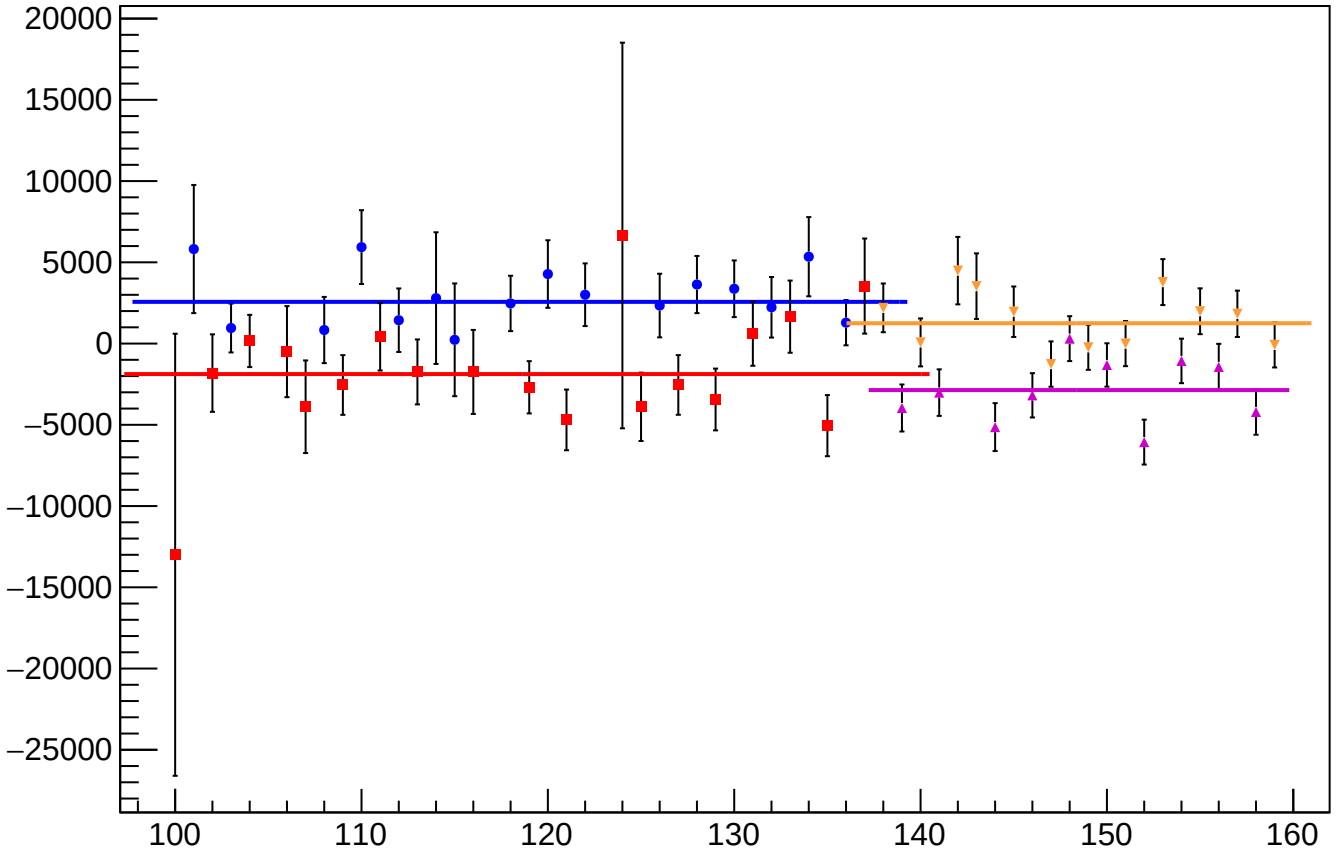
Left In: 4582.830+/-1.116 χ^2/NDF:479013.5/9

+ sign 3279.743+/-0.624 χ^2/NDF: 5645235.2/27

All: 3263.890+/-0.446 χ^2/NDF: 11332692.6/5

- sign 3247.374+/-0.637 χ^2/NDF: 5686141.5/28

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

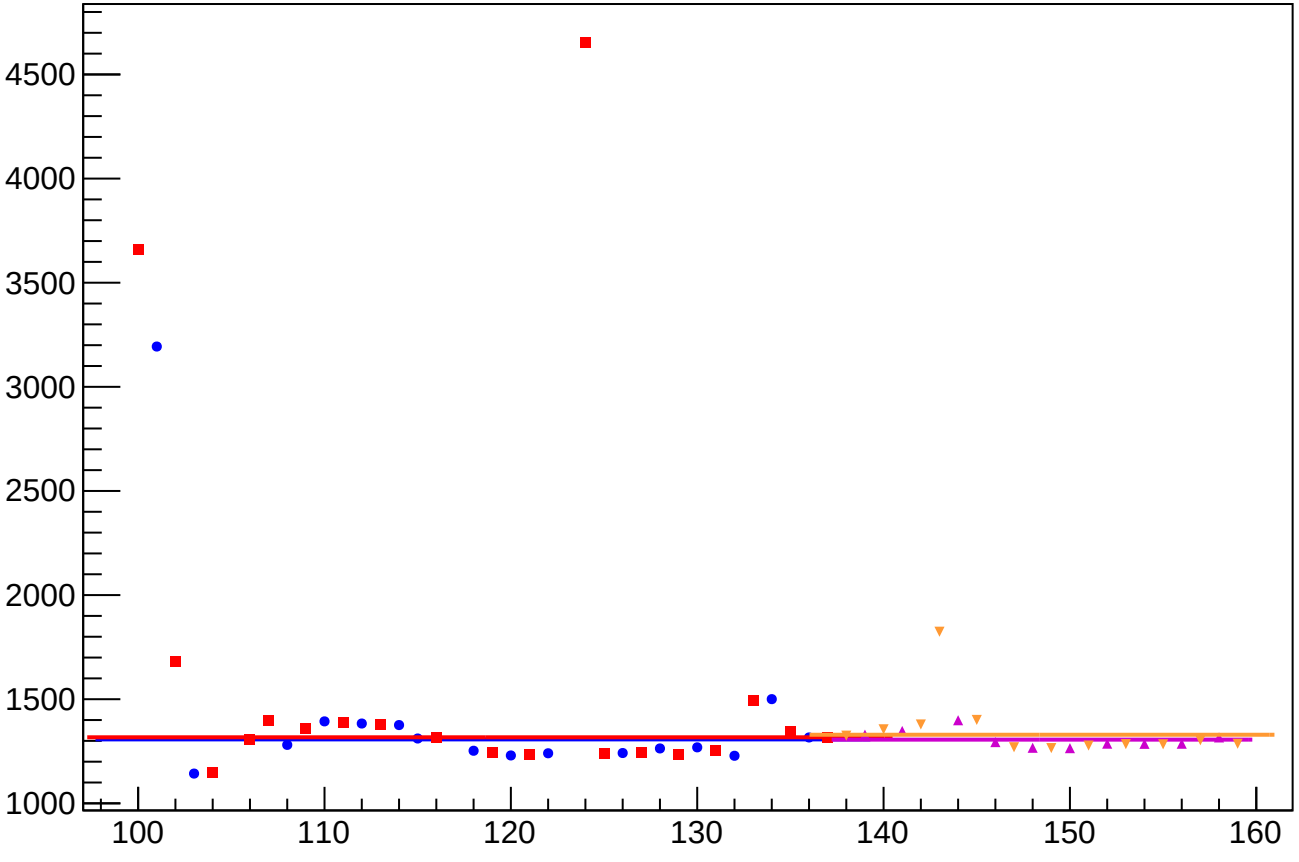
Left In: -2861.700+/-442.330 χ^2/NDF:18.6/9

+ sign 1819.777+/-325.519 χ^2/NDF: 27.8/27

All: -275.022+/-231.657 χ^2/NDF: 152.1/56

- sign -2424.576+/-329.746 χ^2/NDF: 40.4/28

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

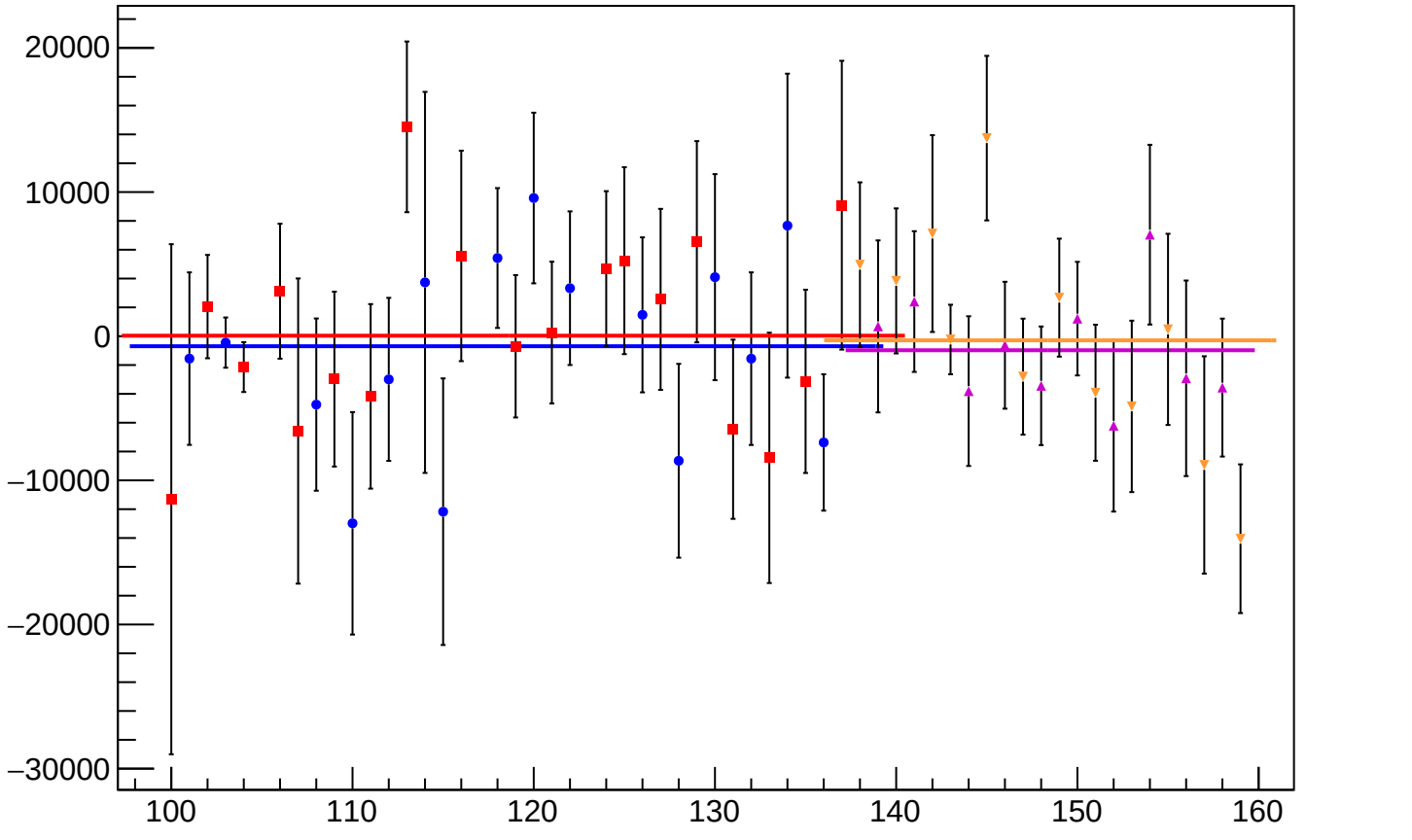
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1305.869+/-0.313 χ^2/NDF:15166.0/9

+ sign 1319.735+/-0.230 χ^2/NDF: 662138.9/27

All: 1315.362+/-0.164 χ^2/NDF: 1004539.4/56

- sign 1310.881+/-0.233 χ^2/NDF: 341669.7/28



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -286.895+/-1328.143 χ^2/NDF:19.3/11

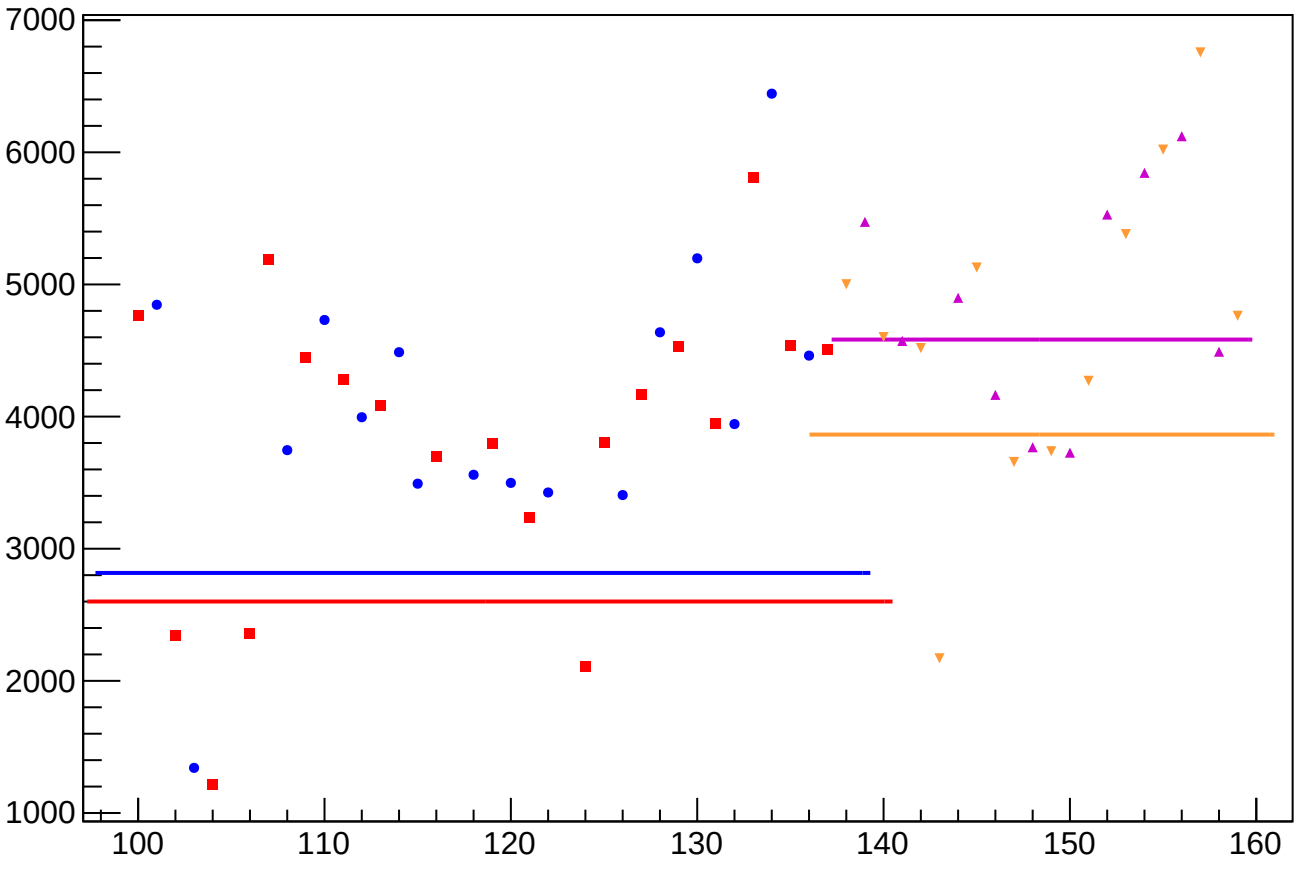
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -974.395+/-1577.964 χ^2/NDF:4.3/9

+ sign -514.693+/-883.147 χ^2/NDF: 34.0/27

All: -406.420+/-630.831 χ^2/NDF: 54.6/56

- sign -293.627+/-901.392 χ^2/NDF: 20.5/28



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3863.833+/-0.939 χ^2/NDF:1944259.9/11

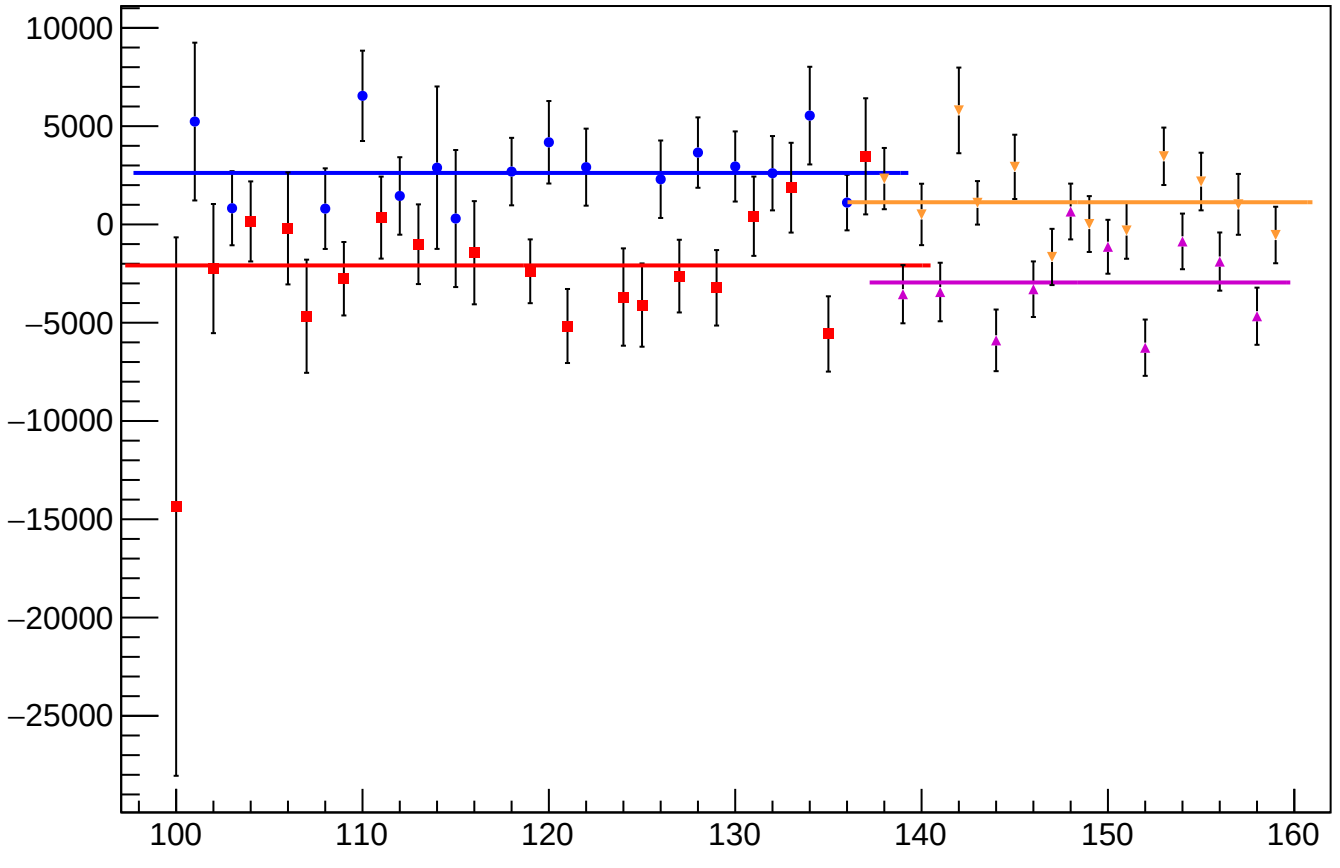
Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4582.830+/-1.116 χ^2/NDF:479013.5/9

+ sign 3279.743+/-0.624 χ^2/NDF: 5645235.2/27

All: 3263.890+/-0.446 χ^2/NDF: 11332692.6/5

- sign 3247.374+/-0.637 χ^2/NDF: 5686141.5/28



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

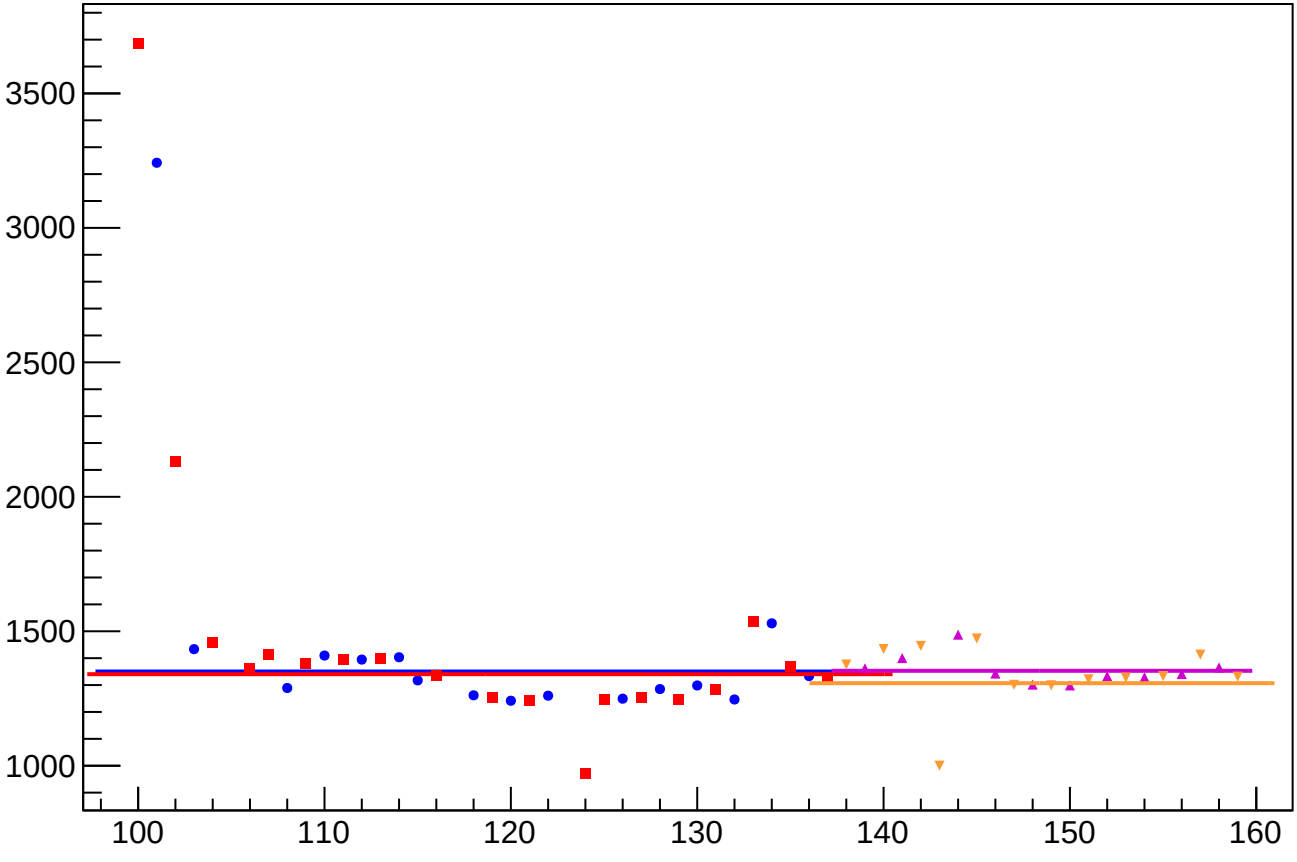
Left In: -2952.926+/-458.475 χ^2/NDF:21.5/9

+ sign 1739.166+/-327.090 χ^2/NDF: 30.7/27

All: -331.421+/-235.523 χ^2/NDF: 158.1/56

- sign -2560.943+/-339.411 χ^2/NDF: 44.1/28

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

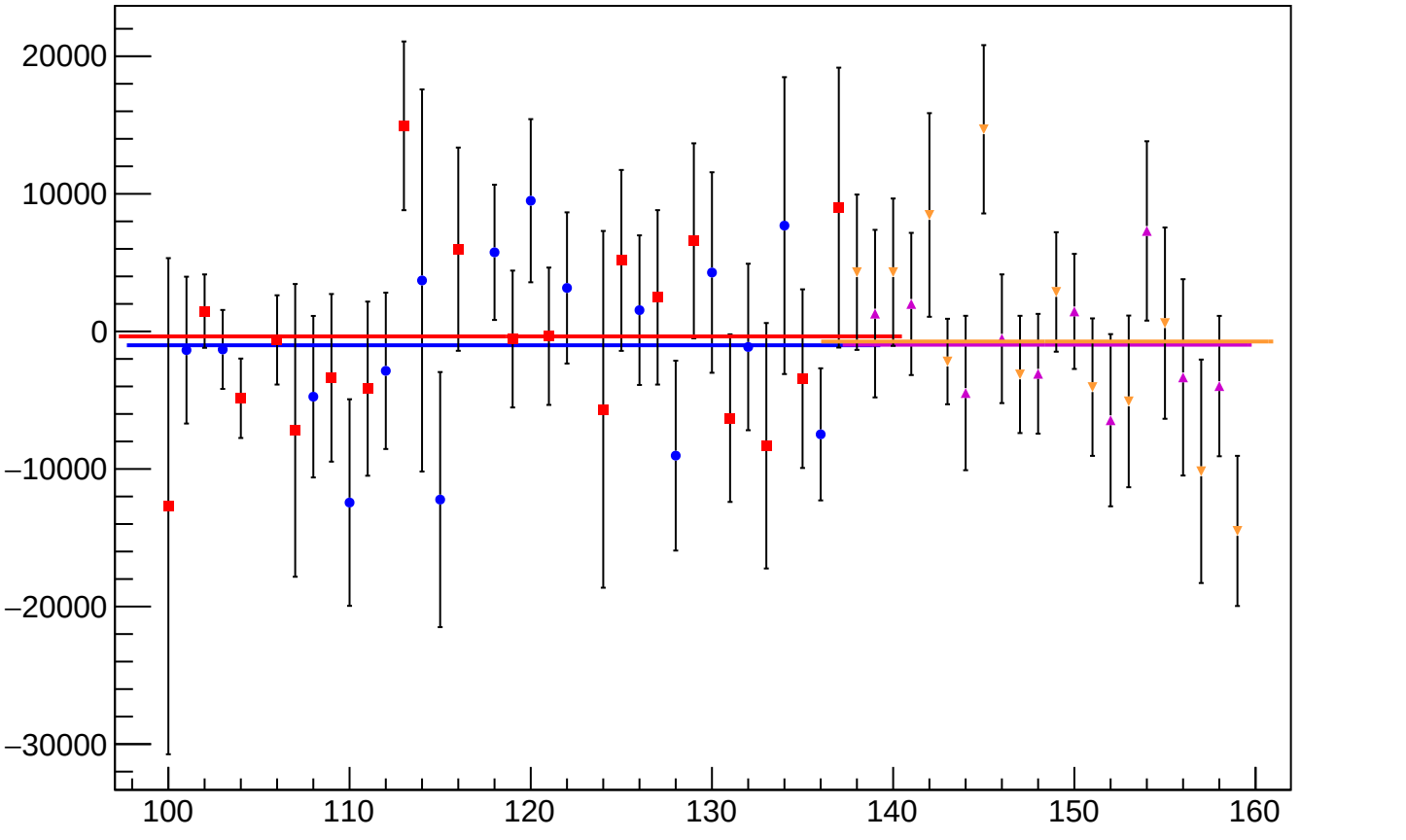
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1353.044+/-0.324 χ^2/NDF:23923.6/9

+ sign 1324.725+/-0.231 χ^2/NDF: 713289.6/27

All: 1335.617+/-0.167 χ^2/NDF: 1014686.0/56

- sign 1347.339+/-0.240 χ^2/NDF: 296791.9/28



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -733.768+/-1477.570 χ^2/NDF:19.5/11

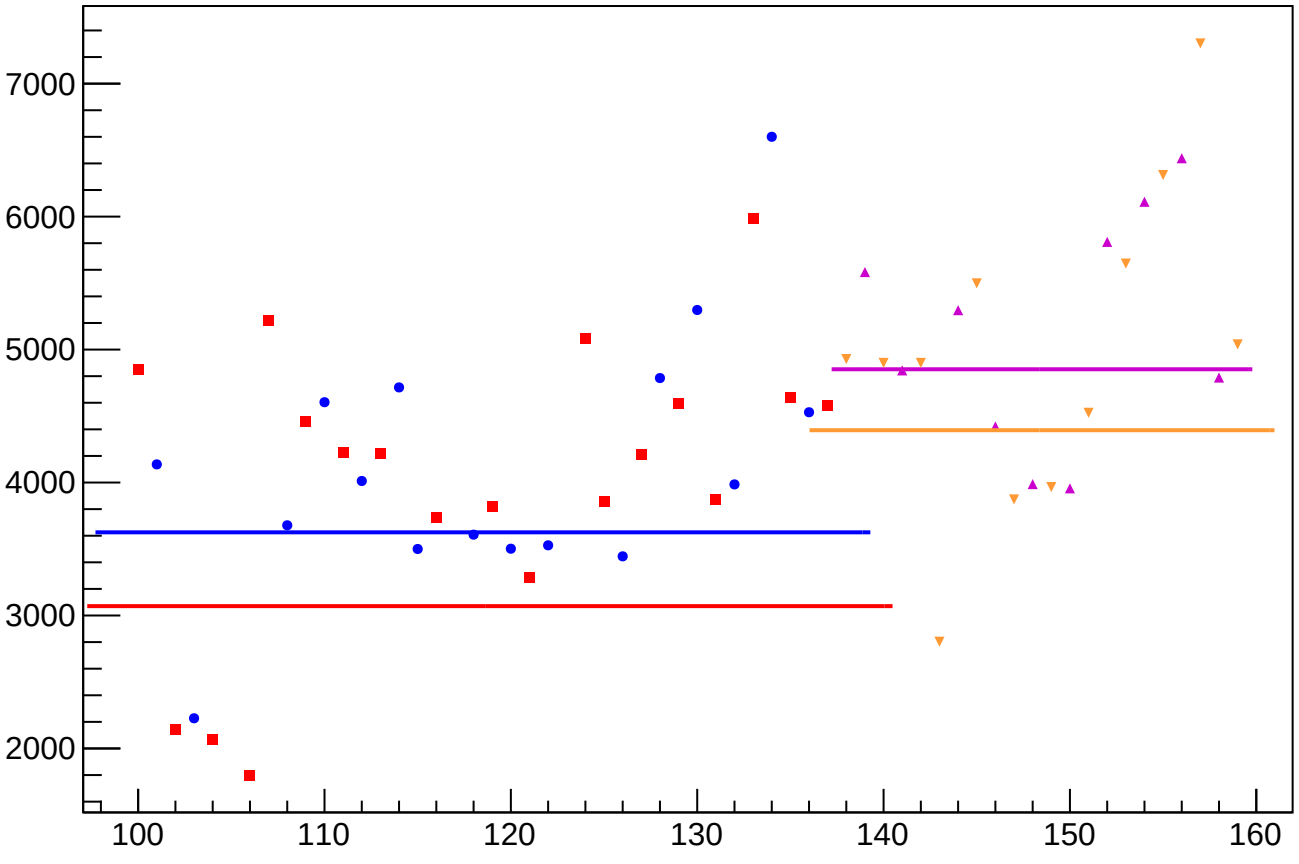
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -967.954+/-1669.257 χ^2/NDF:4.3/9

+ sign -877.180+/-1017.968 χ^2/NDF: 34.1/27

All: -717.426+/-704.390 χ^2/NDF: 54.7/56

- sign -570.665+/-975.693 χ^2/NDF: 20.6/28



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4393.494+/-1.045 χ^2/NDF:1202843.6/11

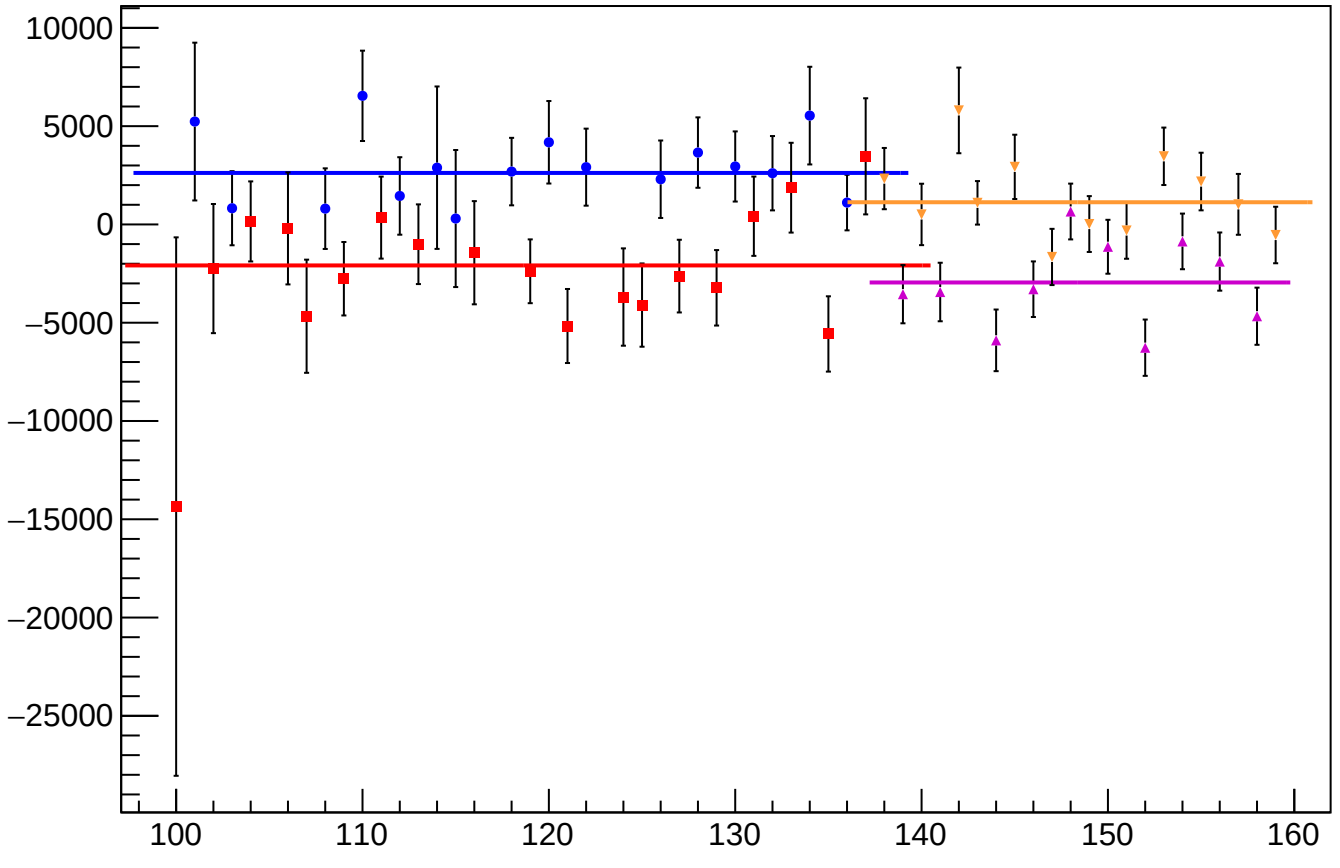
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4851.891+/-1.180 χ^2/NDF:449496.5/9

+ sign 3990.033+/-0.720 χ^2/NDF: 2431597.1/27

All: 3827.962+/-0.498 χ^2/NDF: 6316663.9/56

- sign 3679.072+/-0.690 χ^2/NDF: 3787797.9/28



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

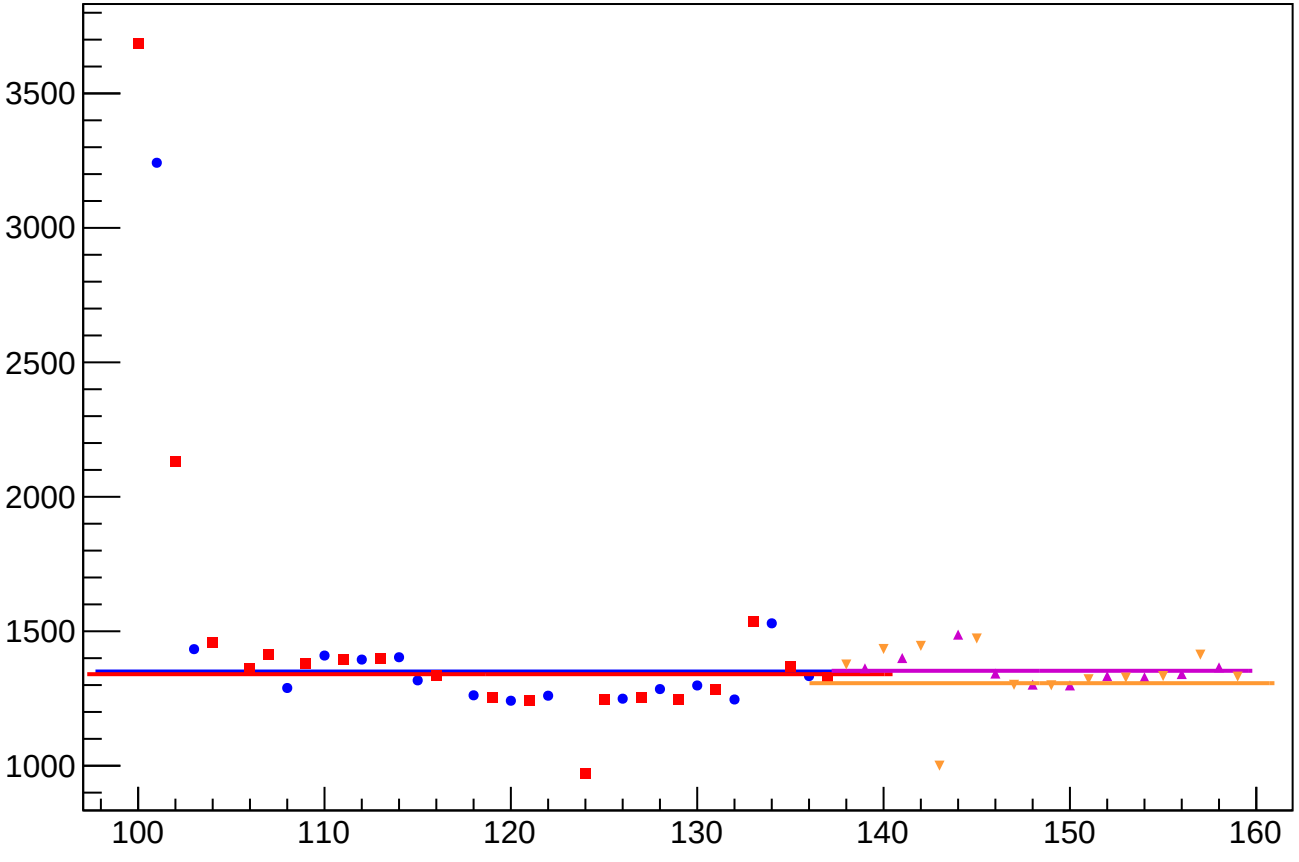
Left In: -2952.926+/-458.475 χ^2/NDF:21.5/9

+ sign 1739.164+/-327.090 χ^2/NDF: 30.7/27

All: -331.422+/-235.523 χ^2/NDF: 158.1/56

- sign -2560.943+/-339.411 χ^2/NDF: 44.1/28

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

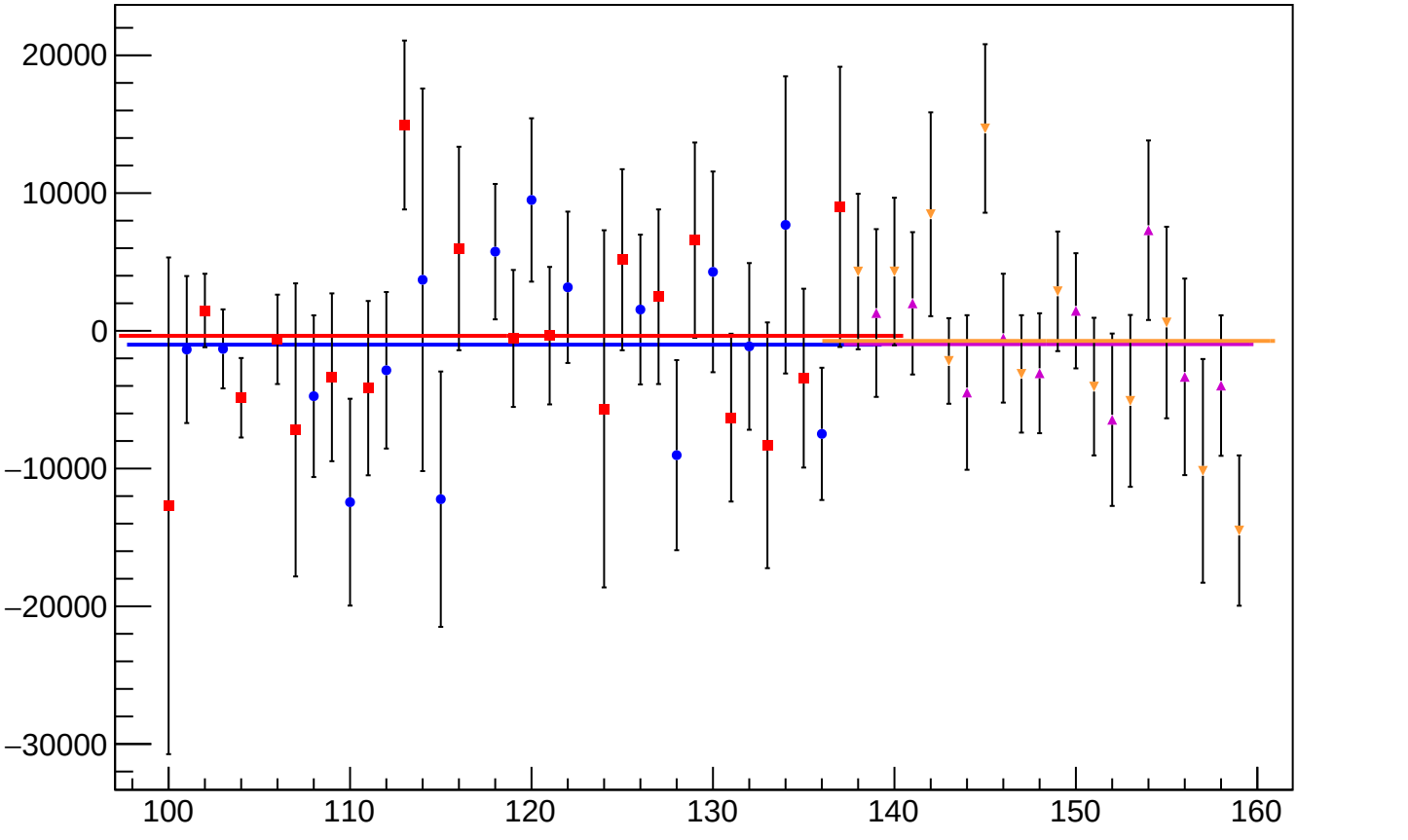
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1353.045+/-0.324 χ^2/NDF:23923.8/9

+ sign 1324.725+/-0.231 χ^2/NDF: 713289.5/27

All: 1335.617+/-0.167 χ^2/NDF: 1014685.3/56

- sign 1347.339+/-0.240 χ^2/NDF: 296791.4/28



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -733.774+/-1477.572 χ^2/NDF:19.5/11

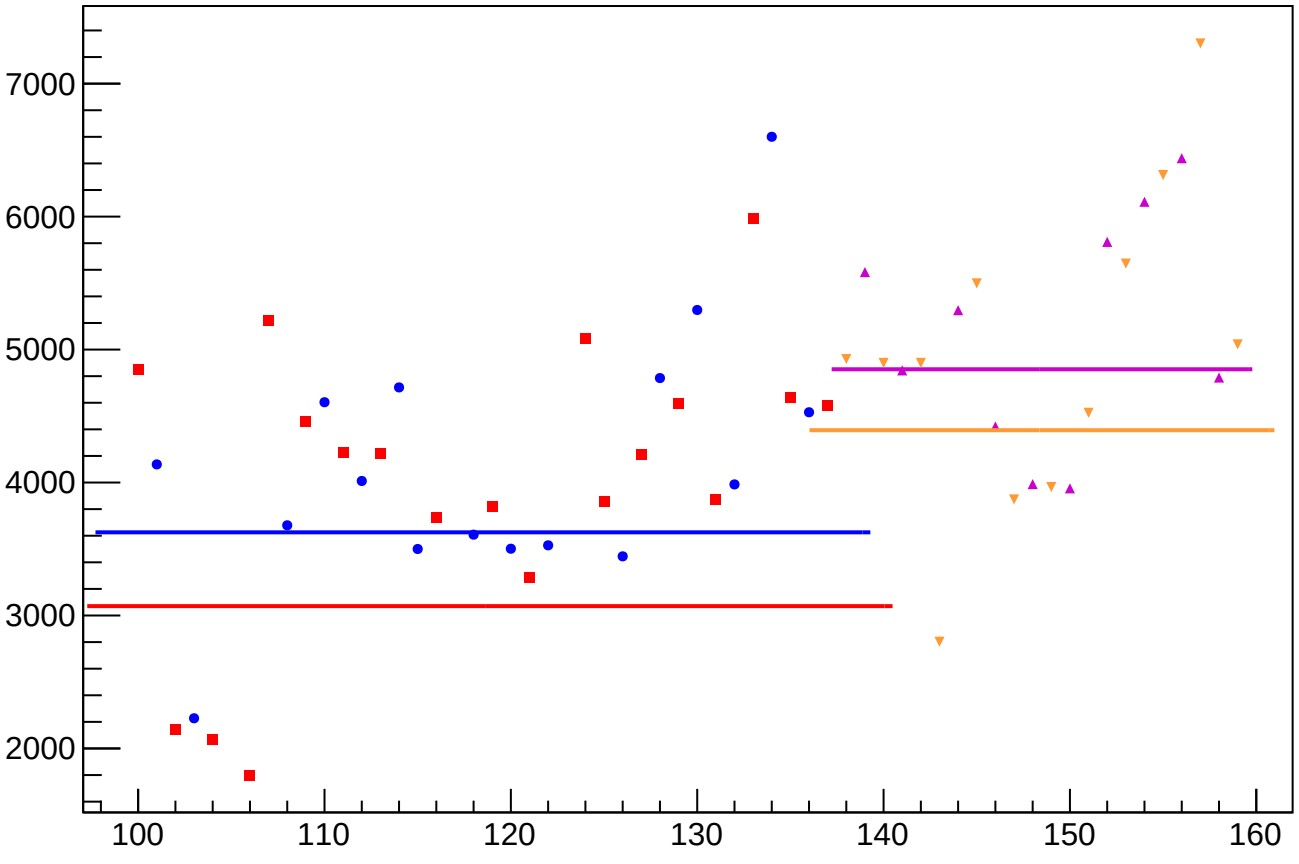
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -967.954+/-1669.260 χ^2/NDF:4.3/9

+ sign -877.179+/-1017.967 χ^2/NDF: 34.1/27

All: -717.425+/-704.390 χ^2/NDF: 54.7/56

- sign -570.665+/-975.692 χ^2/NDF: 20.6/28



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4393.500+/-1.045 χ^2/NDF:1202842.9/11

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

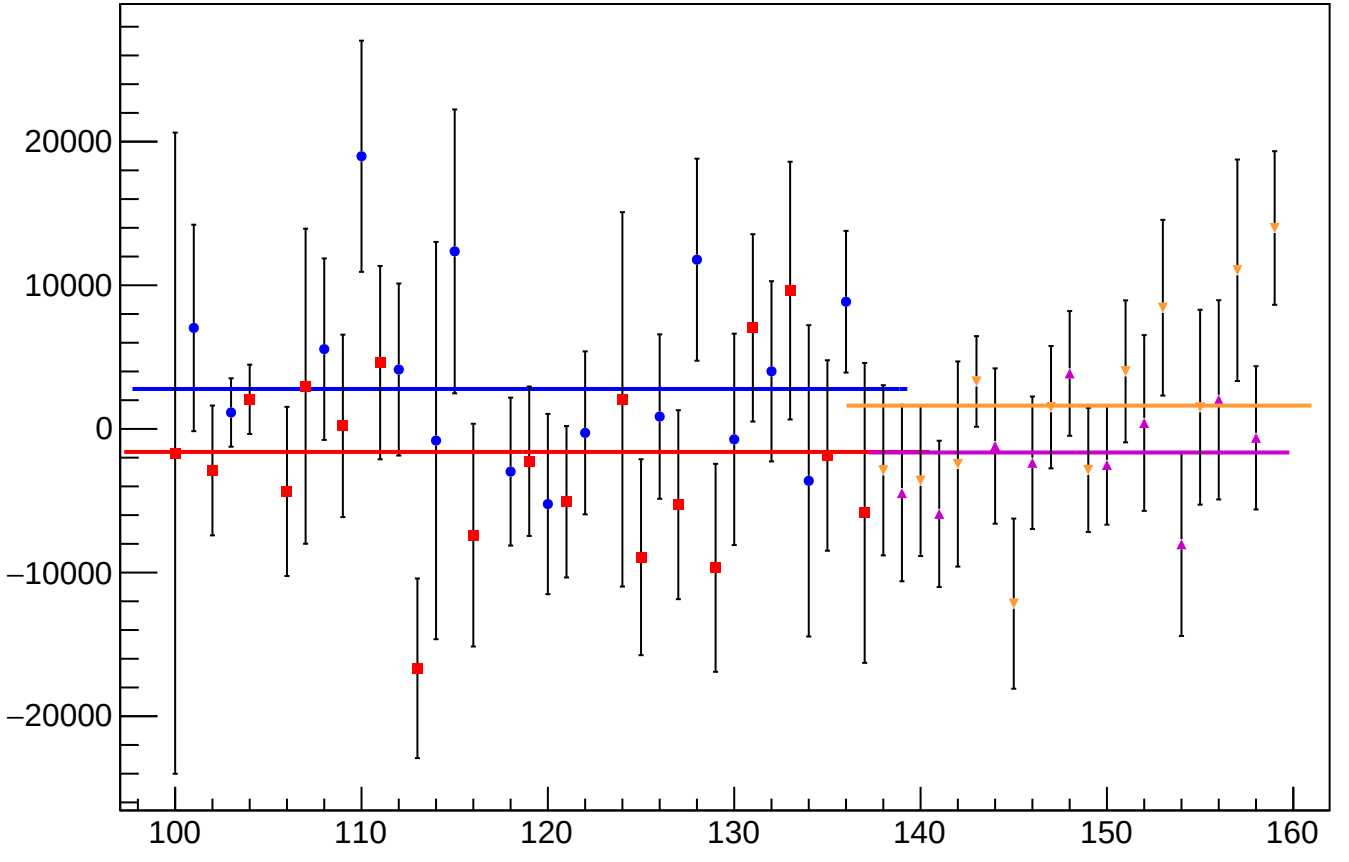
Left In: 4851.897+/-1.180 χ^2/NDF:449496.9/9

+ sign 3990.030+/-0.720 χ^2/NDF: 2431610.2/27

All: 3827.957+/-0.498 χ^2/NDF: 6316707.7/56

- sign 3679.065+/-0.690 χ^2/NDF: 3787826.3/28

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

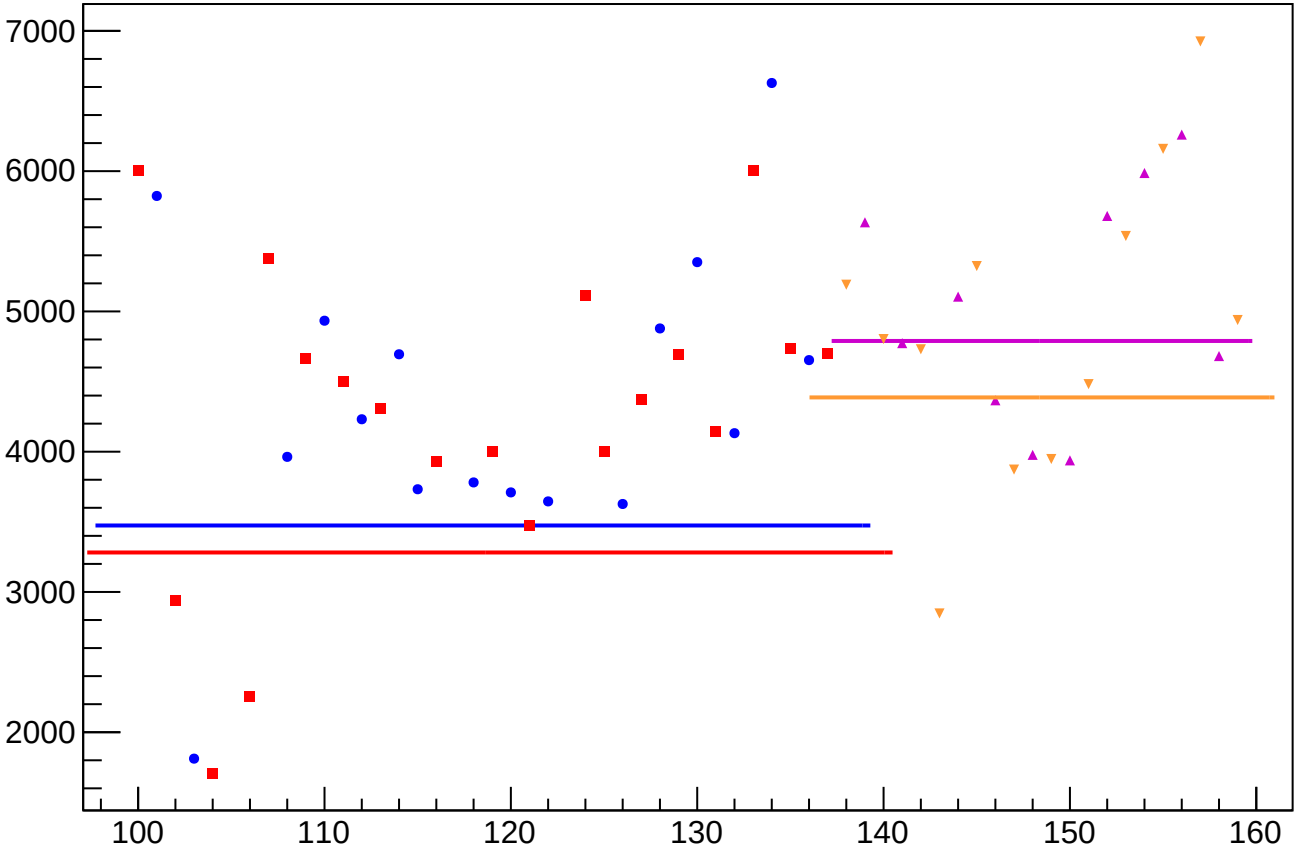
Left In: -1641.263+/-1645.531 χ^2/NDF:4.0/9

+ sign 2235.044+/-1009.518 χ^2/NDF: 30.5/27

All: 361.504+/-723.585 χ^2/NDF: 58.4/56

- sign -1617.990+/-1037.671 χ^2/NDF: 20.8/28

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

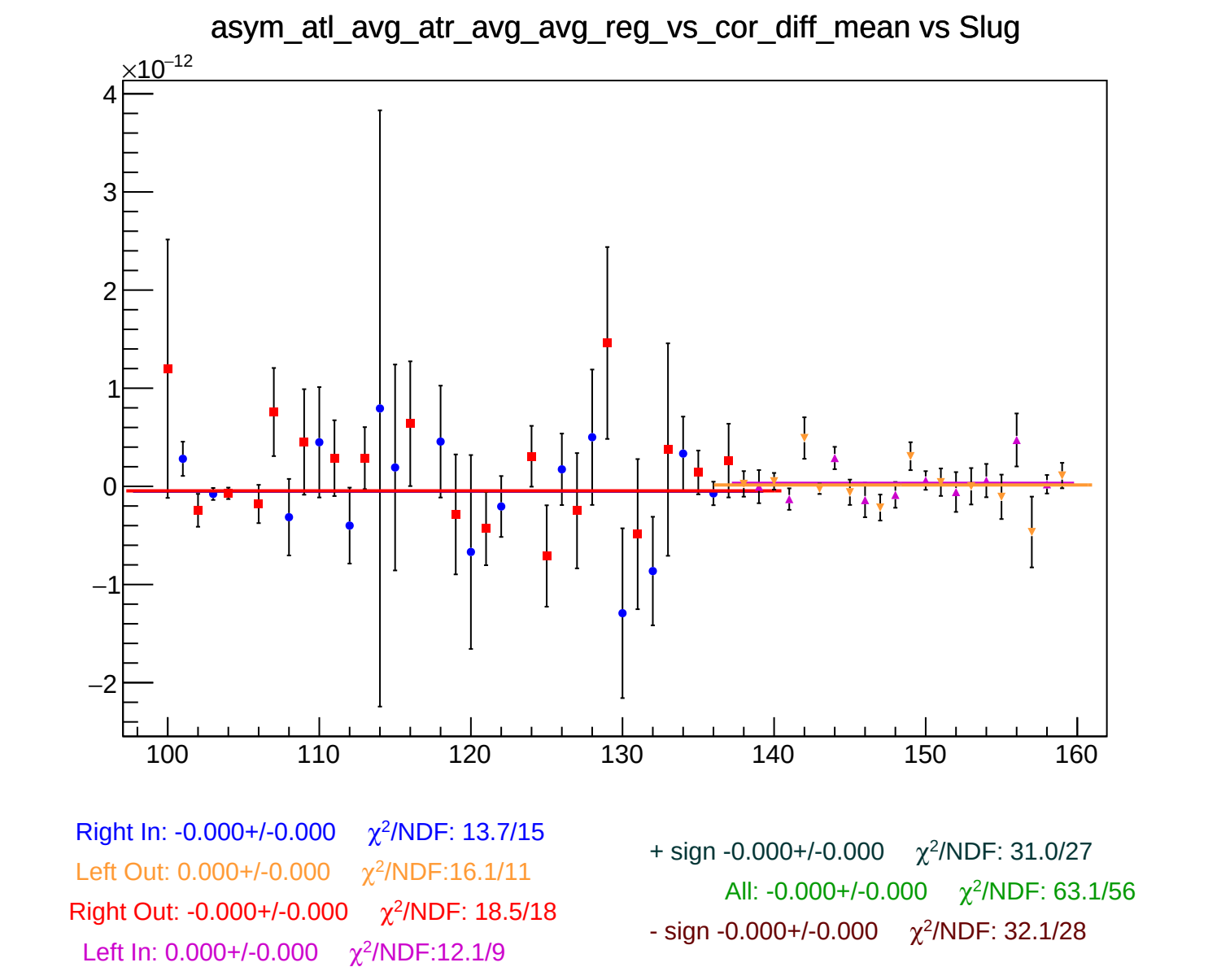
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

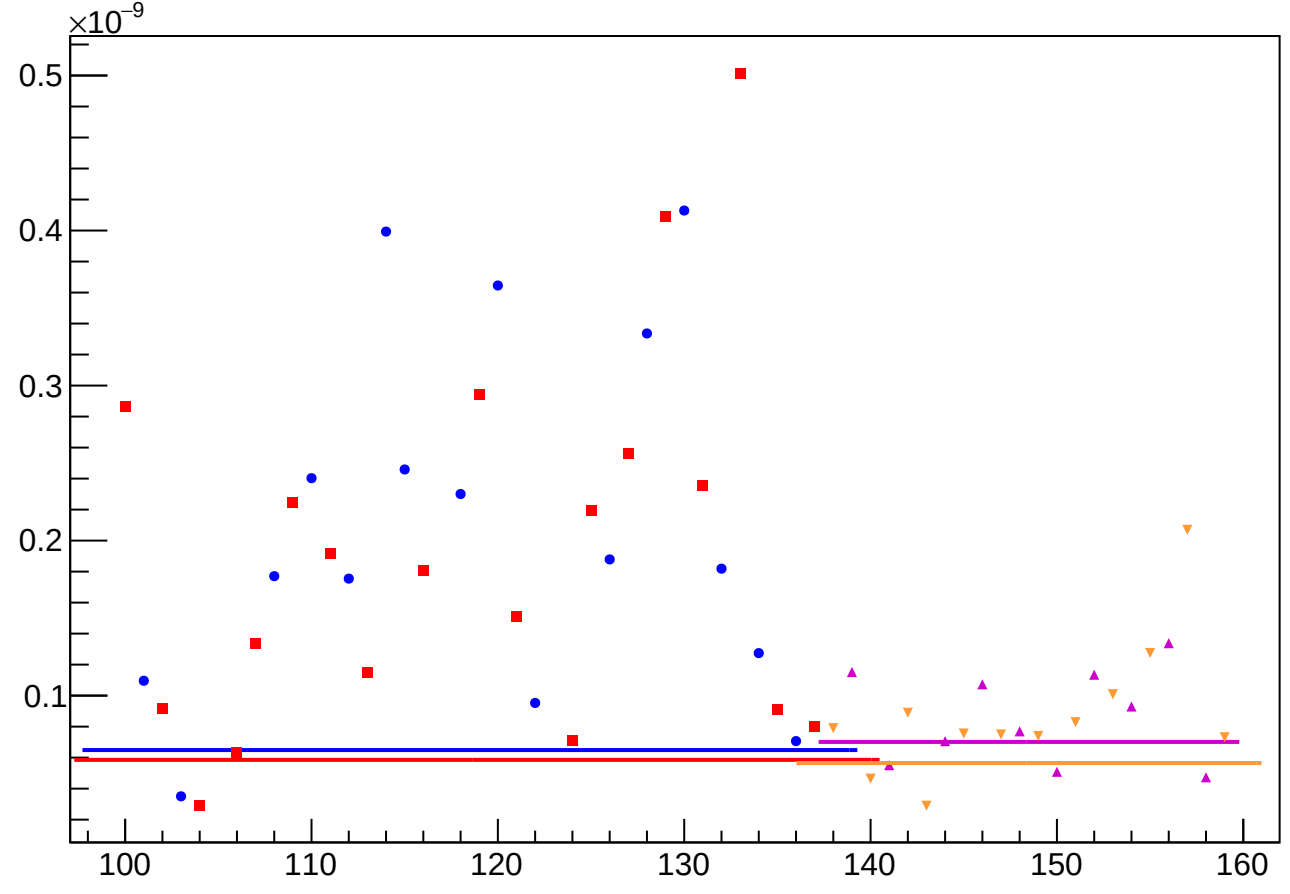
Left In: 4789.404+/-1.164 χ^2/NDF:418924.0/9

\+ sign 3904.934+/-0.714 χ^2/NDF: 3328134.7/27

All: 3888.391+/-0.510 χ^2/NDF: 6646319.7/56

\- sign 3871.201+/-0.728 χ^2/NDF: 3317089.8/28


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:12.1/9
+ sign -0.000+/-0.000 χ²/NDF: 31.0/27
All: -0.000+/-0.000 χ²/NDF: 63.1/56
- sign -0.000+/-0.000 χ²/NDF: 32.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1553082.7/11

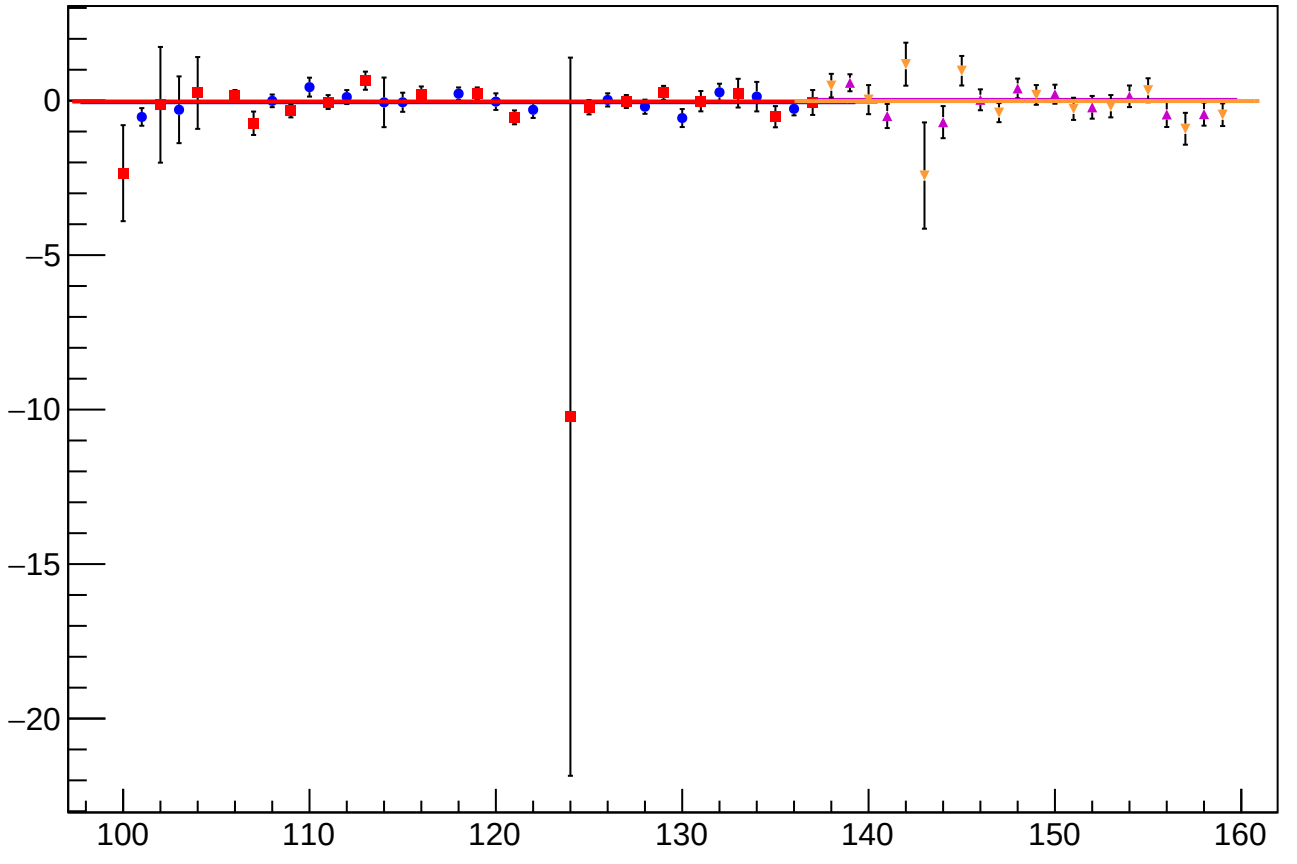
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:713510.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 4186395.2/27

All: 0.000+/-0.000 χ^2/NDF: 7863421.8/56

- sign 0.000+/-0.000 χ^2/NDF: 3635909.3/28



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.014+/-0.118 χ^2/NDF:18.7/11

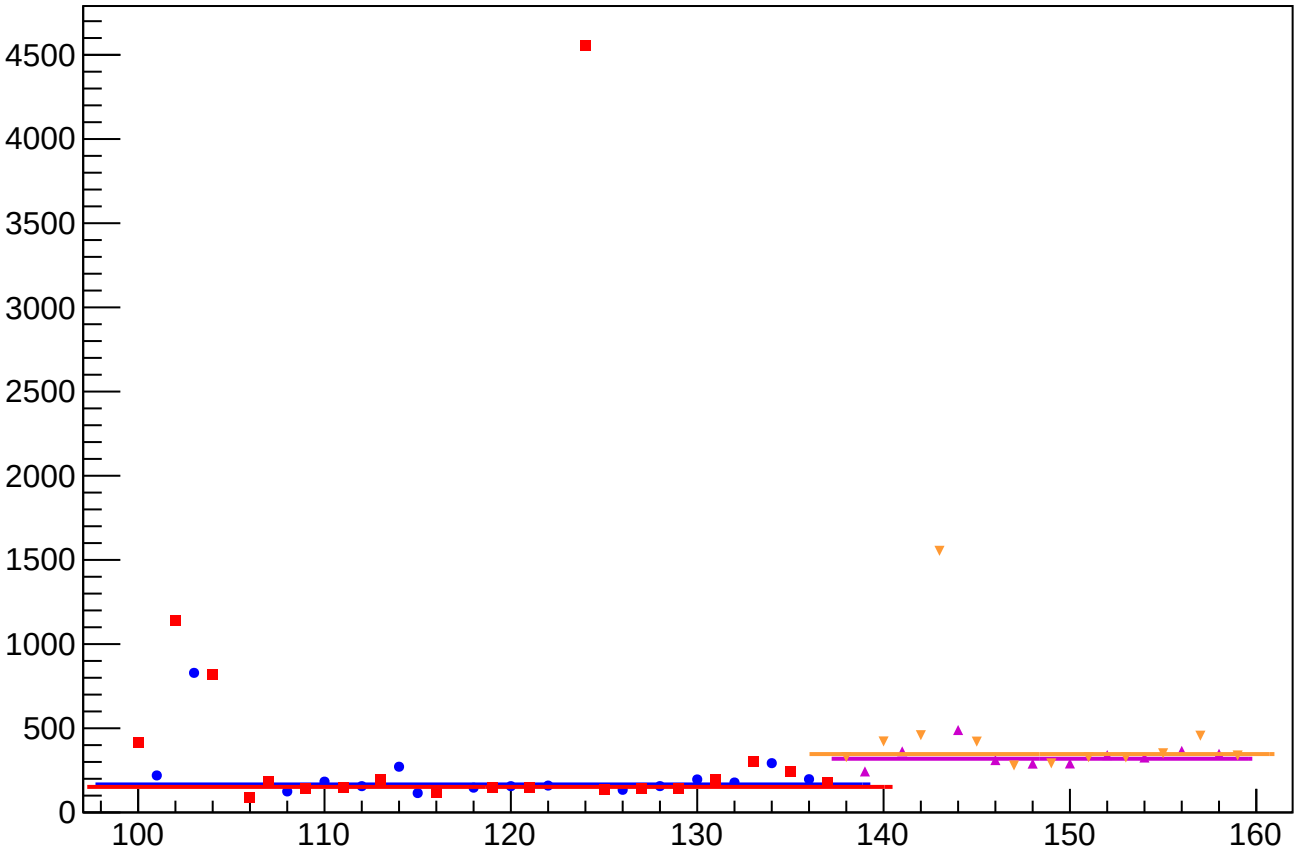
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.023+/-0.111 χ^2/NDF:12.9/9

+ sign -0.042+/-0.058 χ^2/NDF: 33.6/27

All: -0.028+/-0.040 χ^2/NDF: 74.3/56

- sign -0.016+/-0.055 χ^2/NDF: 40.6/28



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 346.777+/-0.084 χ^2/NDF:1398294.8/11

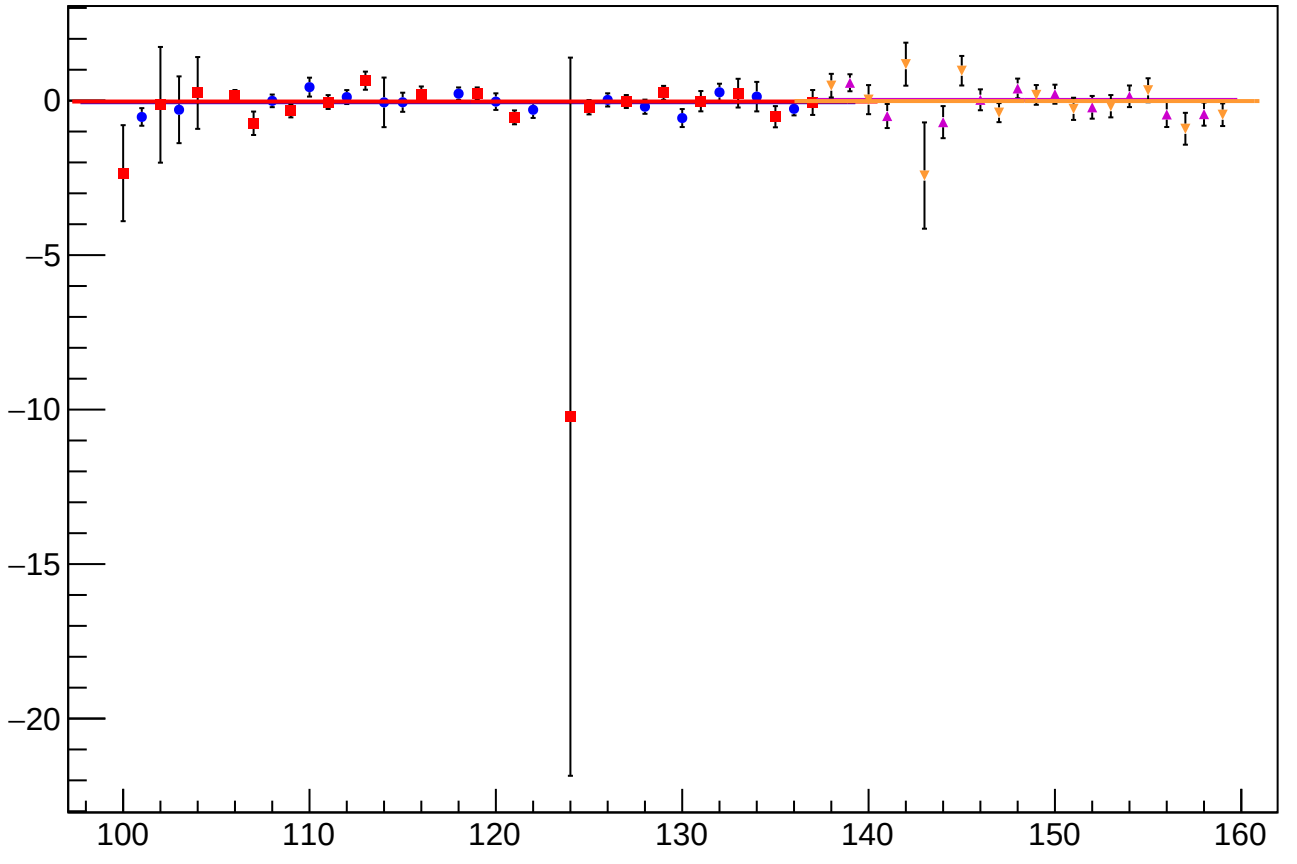
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 319.012+/-0.078 χ^2/NDF:471482.2/9

+ sign 210.014+/-0.041 χ^2/NDF: 6218703.9/27

All: 201.427+/-0.028 χ^2/NDF: 12501122.0/56

- sign 193.606+/-0.039 χ^2/NDF: 6198922.8/28



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.014+/-0.118 χ^2/NDF:18.7/11

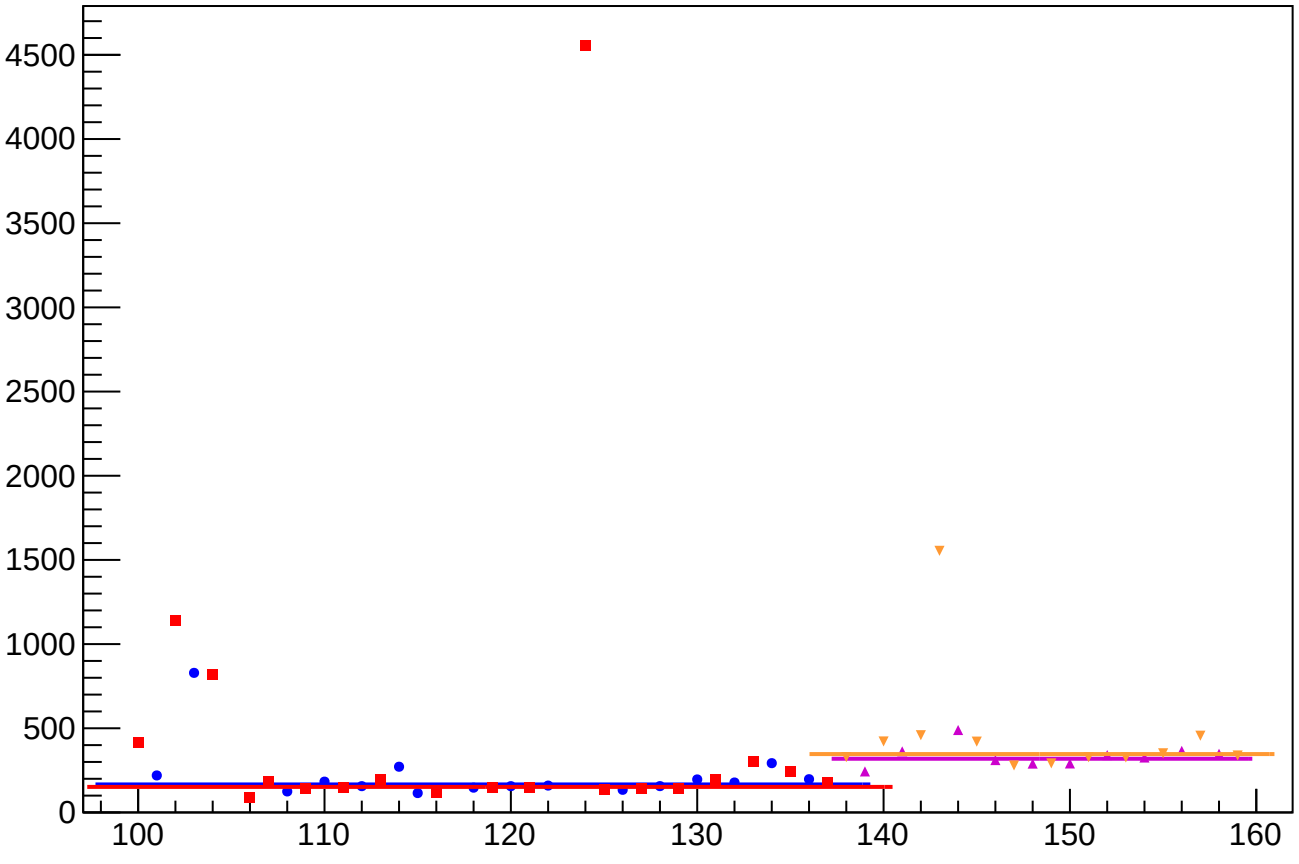
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.023+/-0.111 χ^2/NDF:12.9/9

+ sign -0.042+/-0.058 χ^2/NDF: 33.6/27

All: -0.028+/-0.040 χ^2/NDF: 74.3/56

- sign -0.016+/-0.055 χ^2/NDF: 40.6/28



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 346.777+/-0.084 χ^2/NDF:1398294.8/11

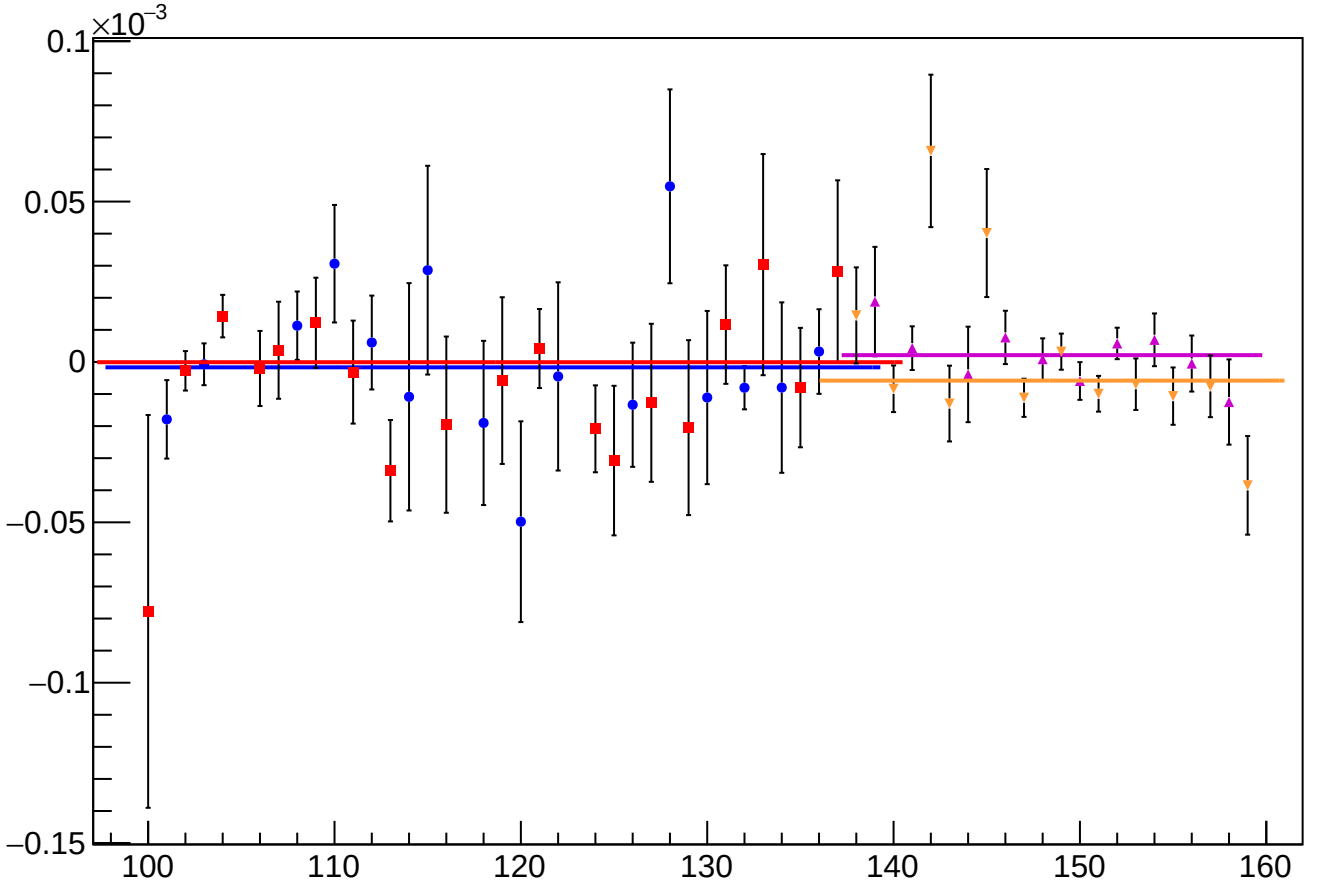
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 319.012+/-0.078 χ^2/NDF:471482.2/9

+ sign 210.014+/-0.041 χ^2/NDF: 6218703.9/27

All: 201.427+/-0.028 χ^2/NDF: 12501122.0/56

- sign 193.606+/-0.039 χ^2/NDF: 6198922.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.5/11

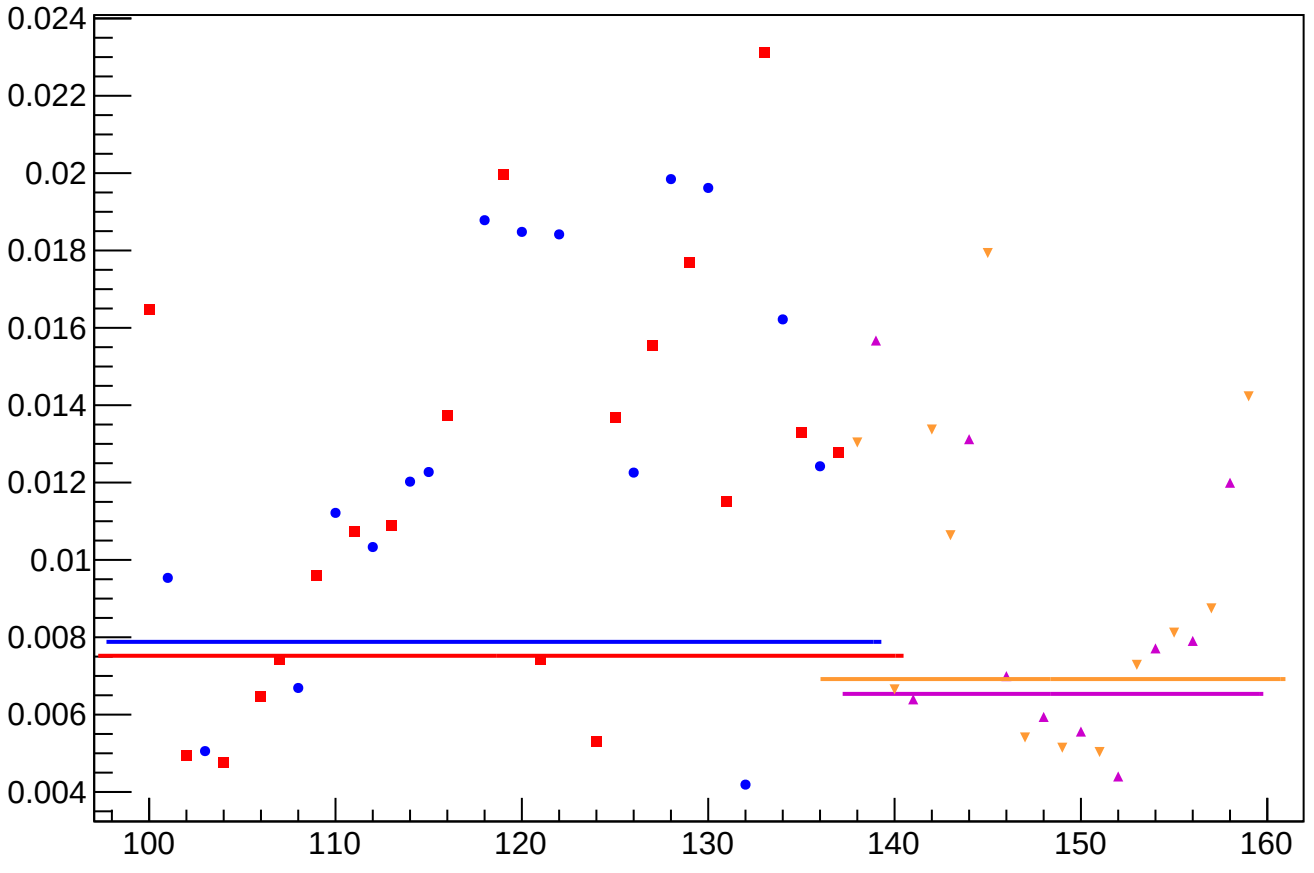
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/27

All: -0.000+/-0.000 χ^2/NDF: 72.3/56

- sign 0.000+/-0.000 χ^2/NDF: 26.0/28



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:2412473.3/11

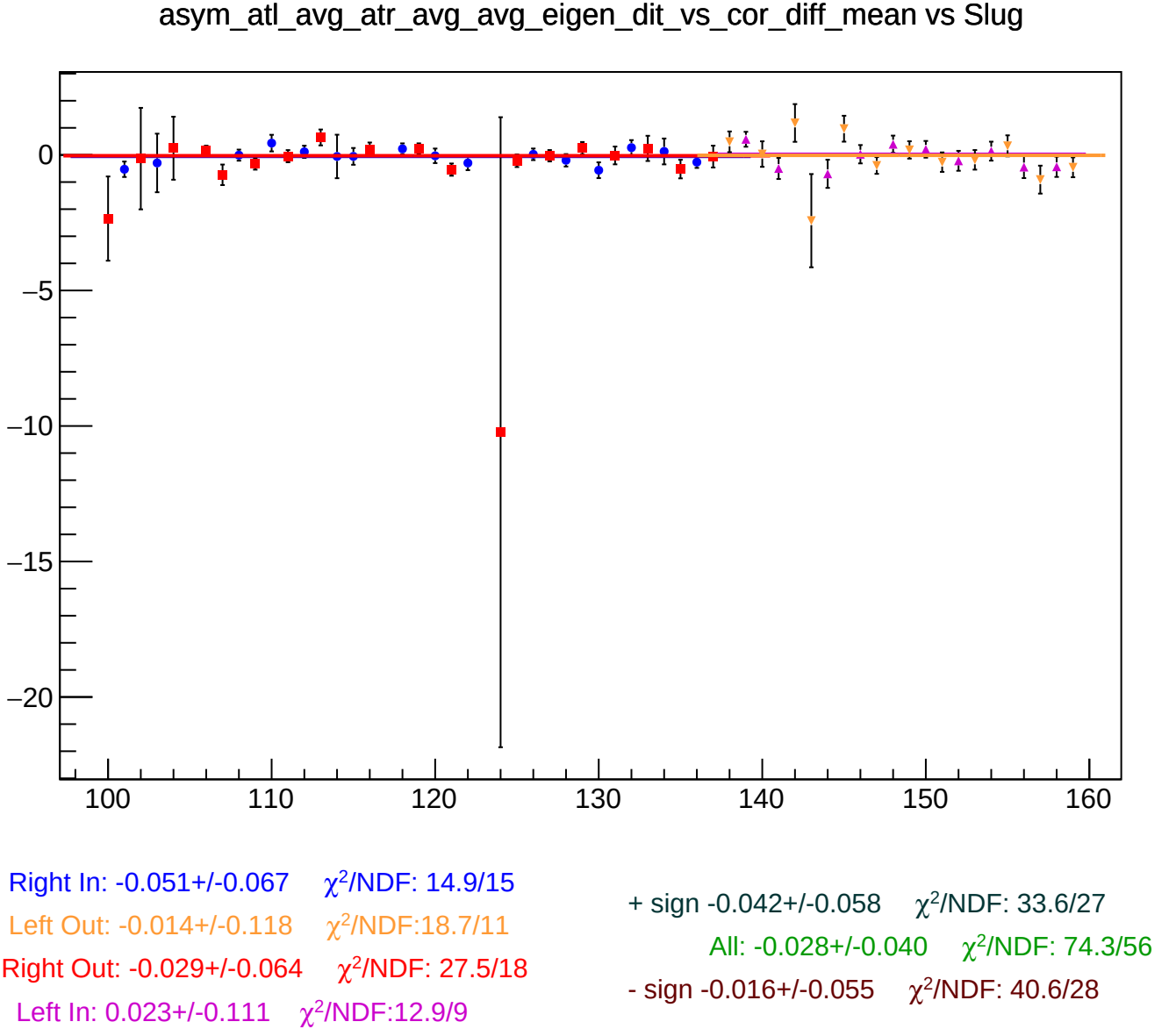
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

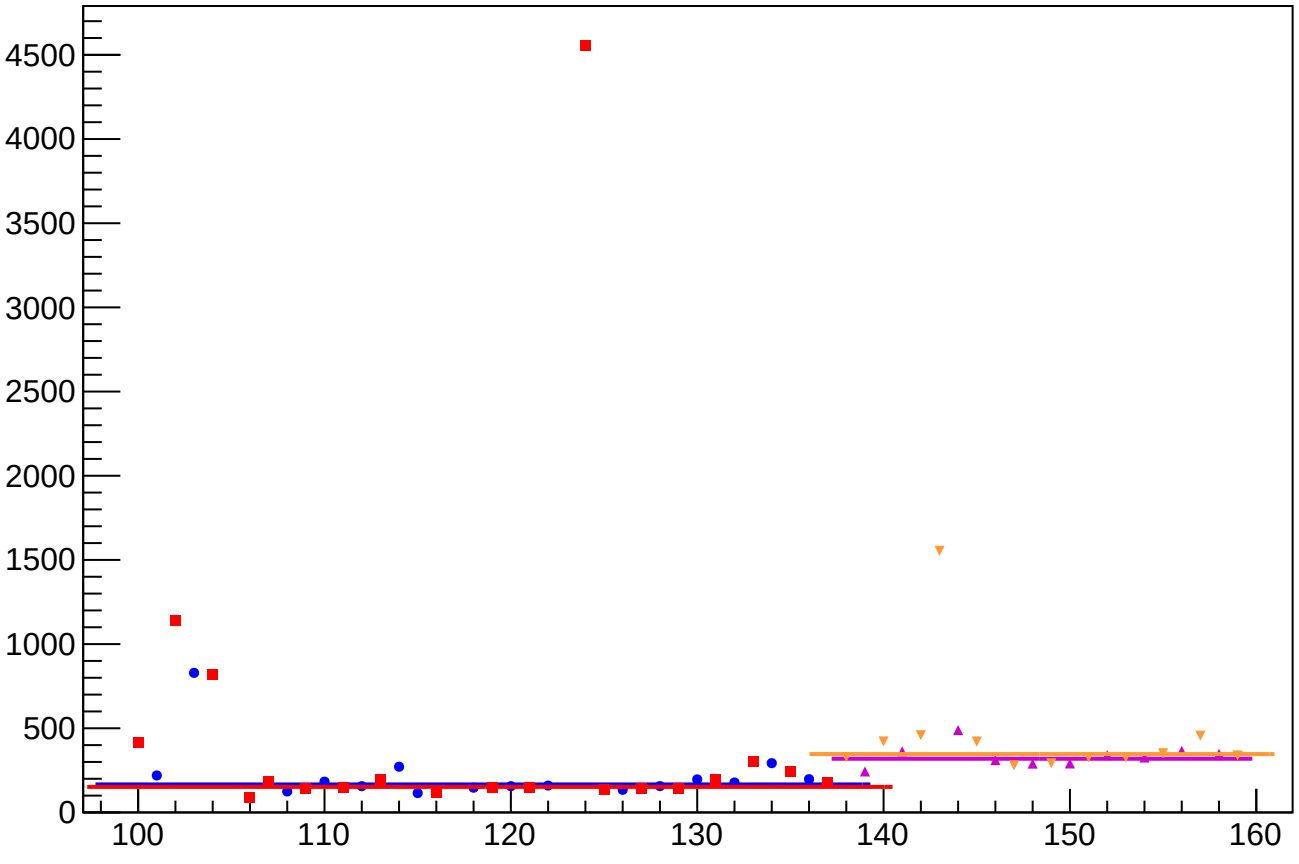
Left In: 0.007+/-0.000 χ^2/NDF:1850327.6/9

+ sign 0.007+/-0.000 χ^2/NDF: 5820306.4/27

All: 0.007+/-0.000 χ^2/NDF: 10800717.6/56

- sign 0.007+/-0.000 χ^2/NDF: 4949607.9/28


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: 0.023+/-0.111 χ²/NDF:12.9/9
+ sign -0.042+/-0.058 χ²/NDF: 33.6/27
All: -0.028+/-0.040 χ²/NDF: 74.3/56
- sign -0.016+/-0.055 χ²/NDF: 40.6/28



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 346.781+/-0.084 χ^2/NDF:1398294.5/11

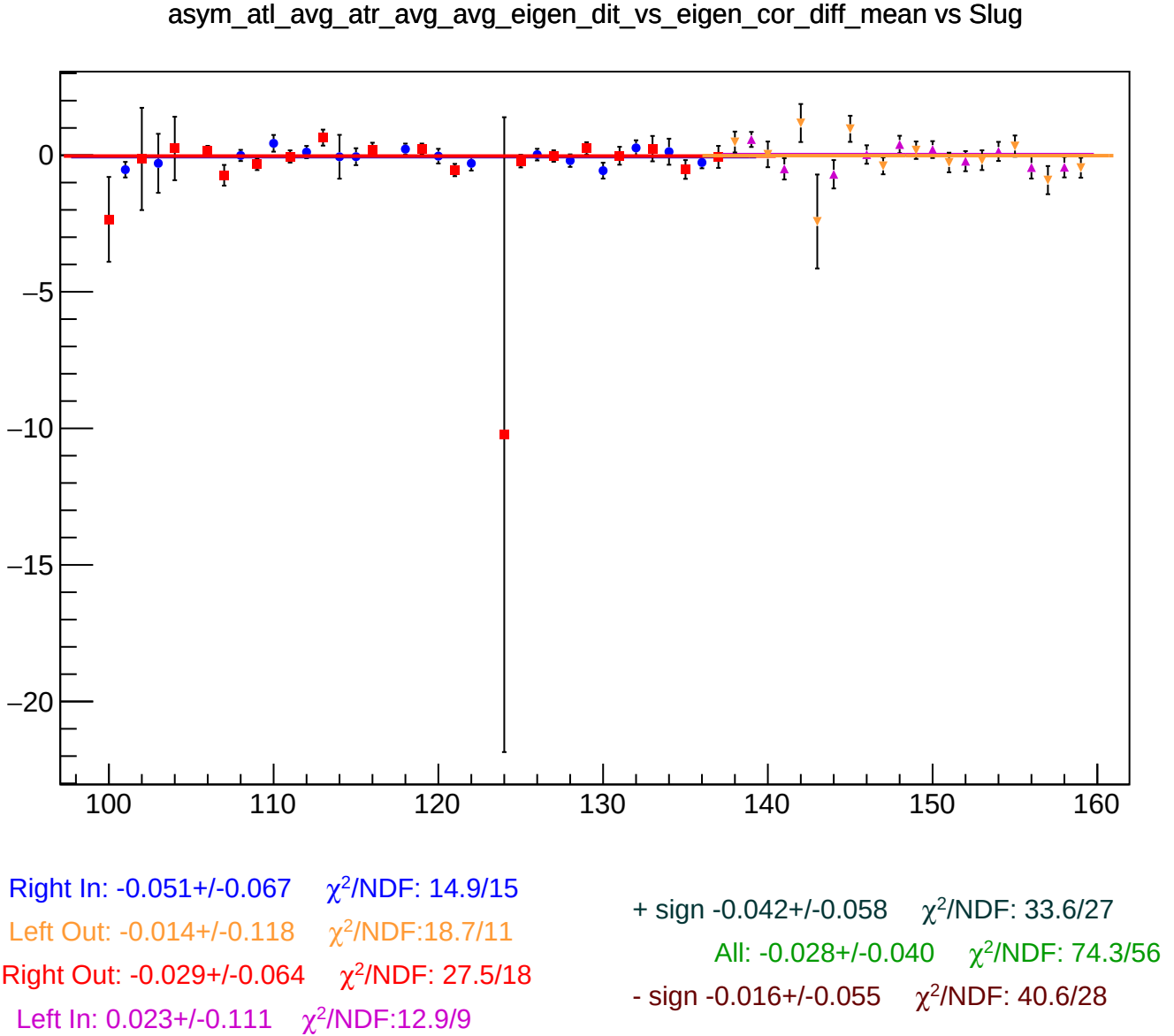
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

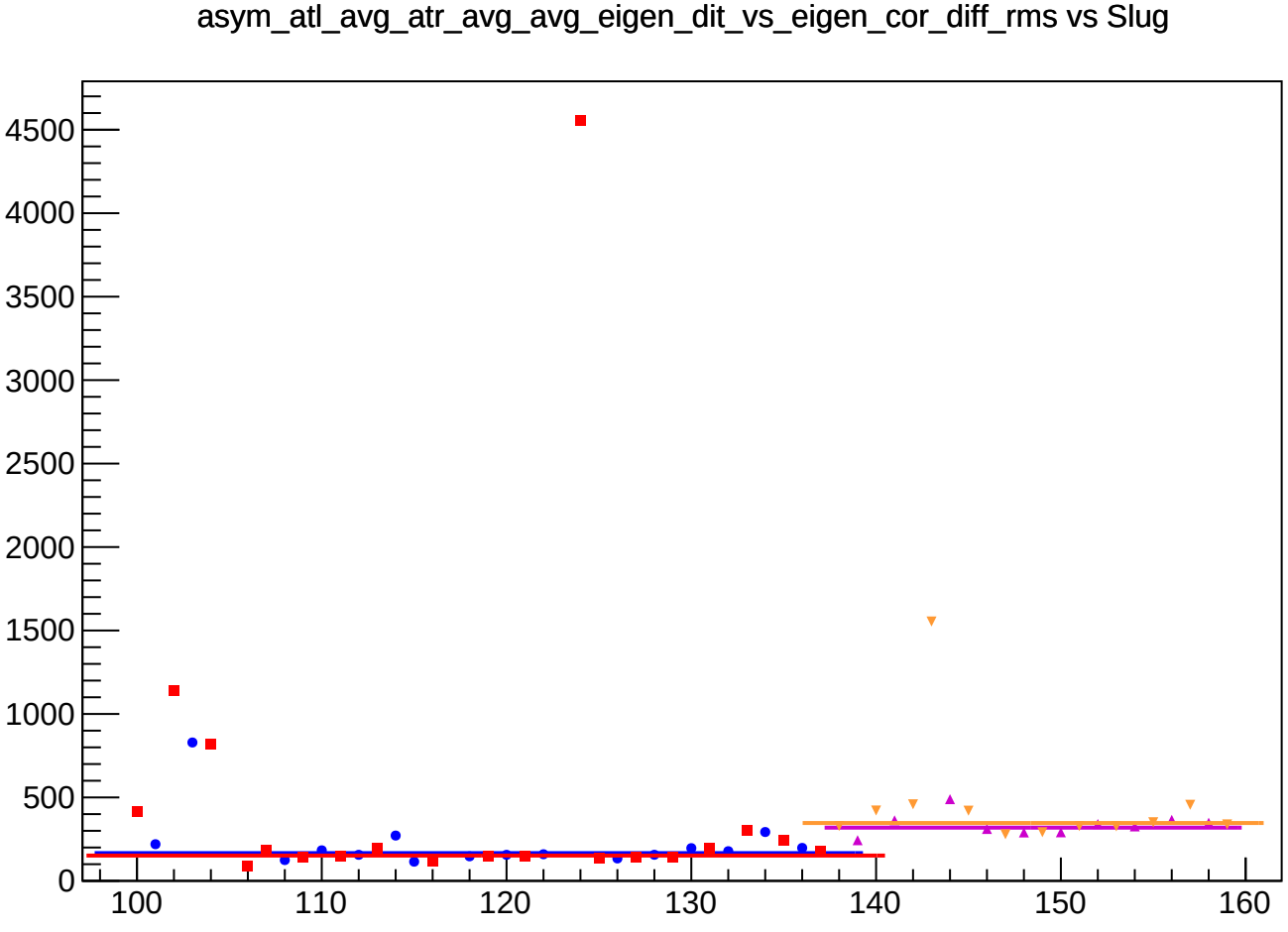
Left In: 319.017+/-0.078 χ^2/NDF:471468.8/9

+ sign 210.014+/-0.041 χ^2/NDF: 6218836.7/27

All: 201.426+/-0.028 χ^2/NDF: 12501432.9/56

- sign 193.605+/-0.039 χ^2/NDF: 6199094.6/28


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_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: 0.023+/-0.111 χ²/NDF:12.9/9
+ sign -0.042+/-0.058 χ²/NDF: 33.6/27
All: -0.028+/-0.040 χ²/NDF: 74.3/56
- sign -0.016+/-0.055 χ²/NDF: 40.6/28



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 346.781+/-0.084 χ^2/NDF:1398294.5/11

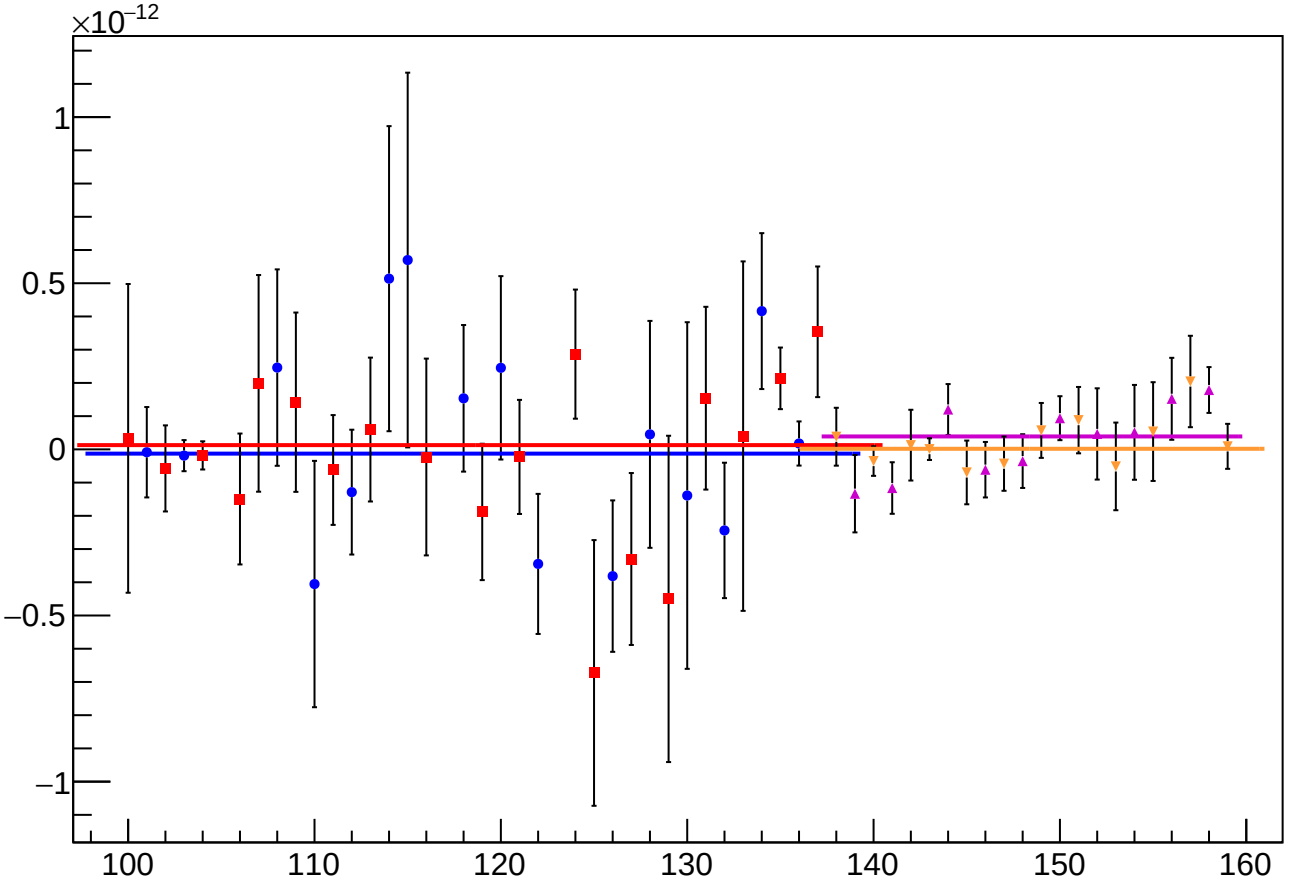
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 319.017+/-0.078 χ^2/NDF:471468.8/9

+ sign 210.014+/-0.041 χ^2/NDF: 6218836.7/27

All: 201.426+/-0.028 χ^2/NDF: 12501432.9/56

- sign 193.605+/-0.039 χ^2/NDF: 6199094.6/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/11

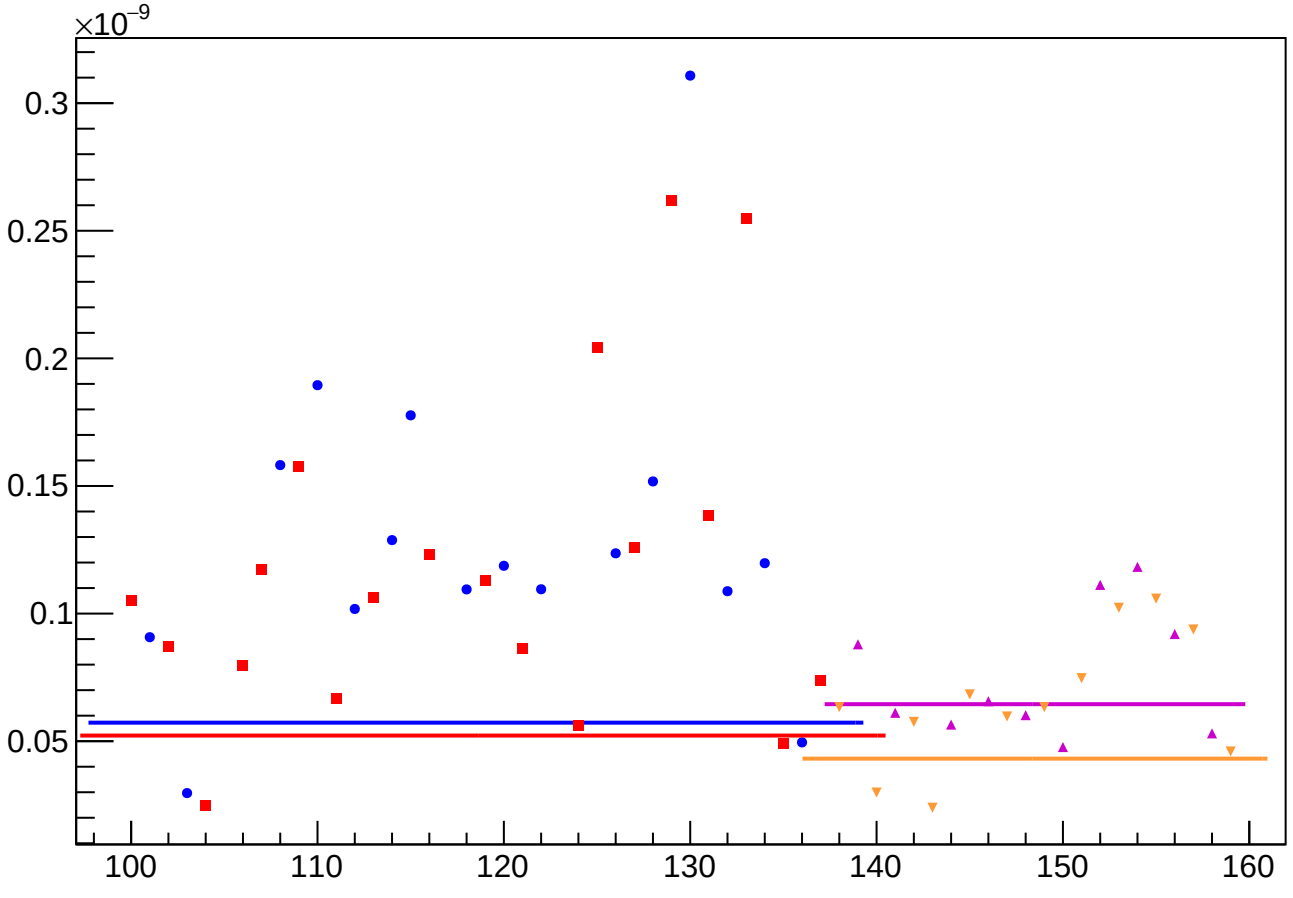
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/9

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/27

All: 0.000+/-0.000 χ^2/NDF: 57.4/56

- sign 0.000+/-0.000 χ^2/NDF: 34.5/28



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

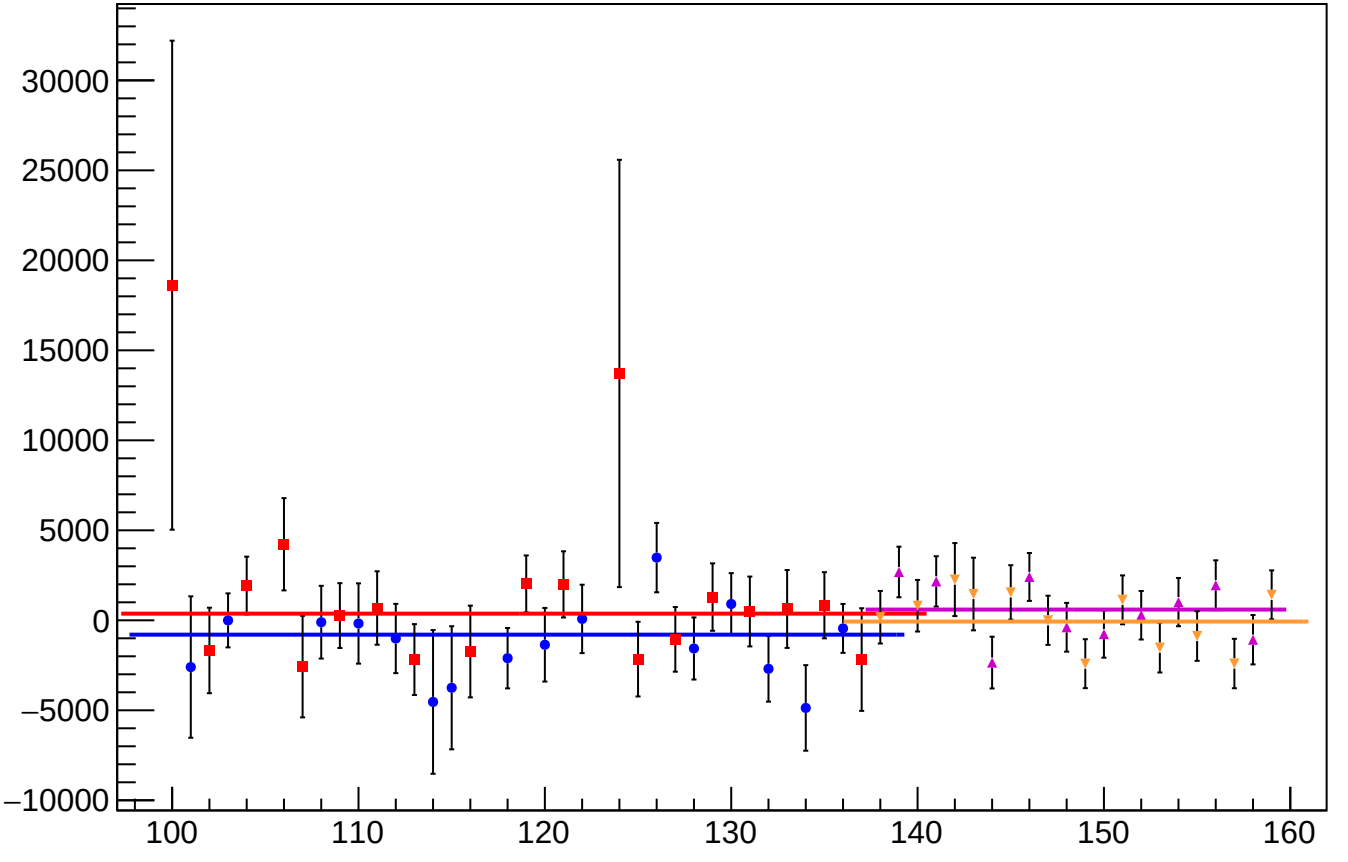
Left In: 0.000+/-0.000 χ^2/NDF:911917.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 5839186.2/27

All: 0.000+/-0.000 χ^2/NDF: 10628405.8/56

- sign 0.000+/-0.000 χ^2/NDF: 4372135.8/28

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

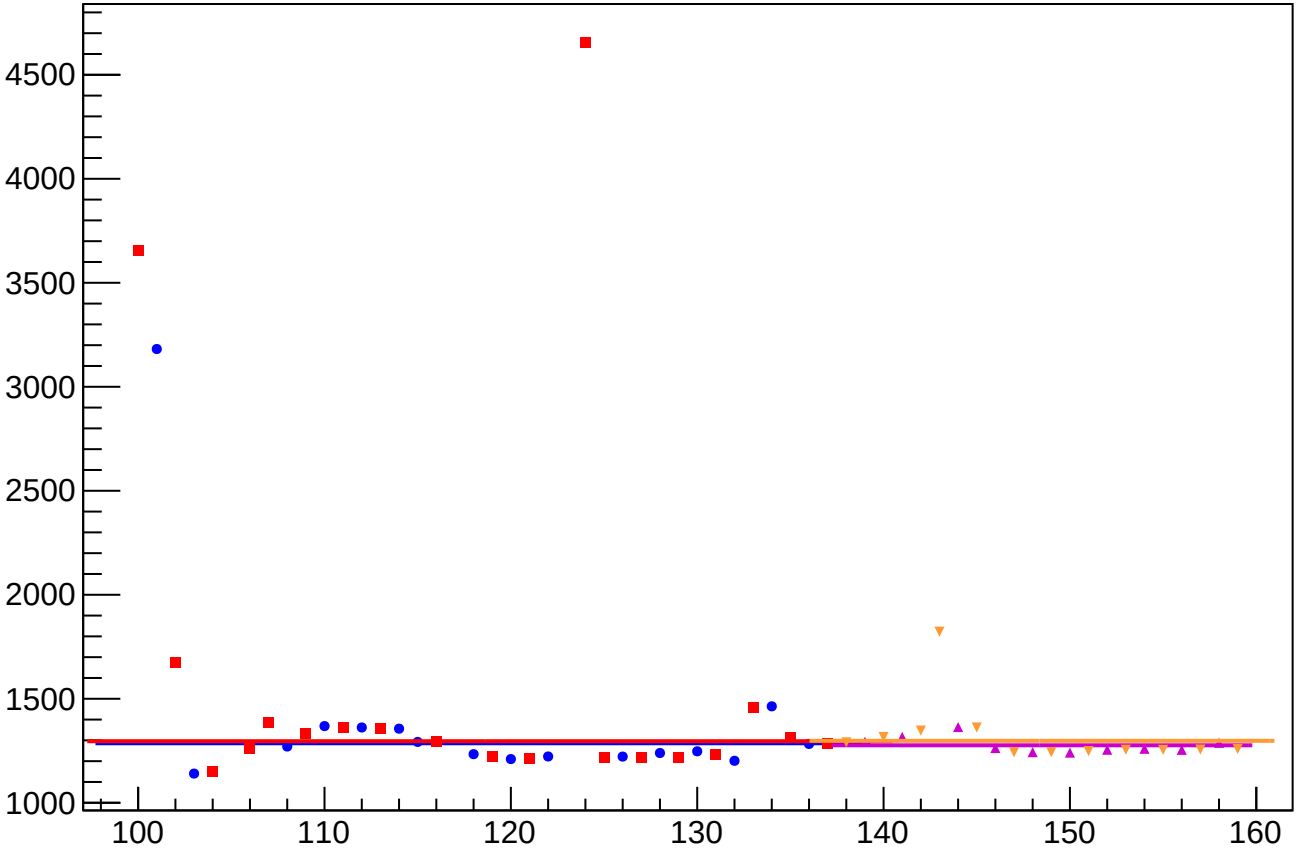
Left In: 596.013+/-432.267 χ^2/NDF:13.7/9

+ sign -381.016+/-318.929 χ^2/NDF: 27.4/27

All: 52.085+/-226.922 χ^2/NDF: 60.6/56

- sign 496.151+/-322.941 χ^2/NDF: 29.4/28

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

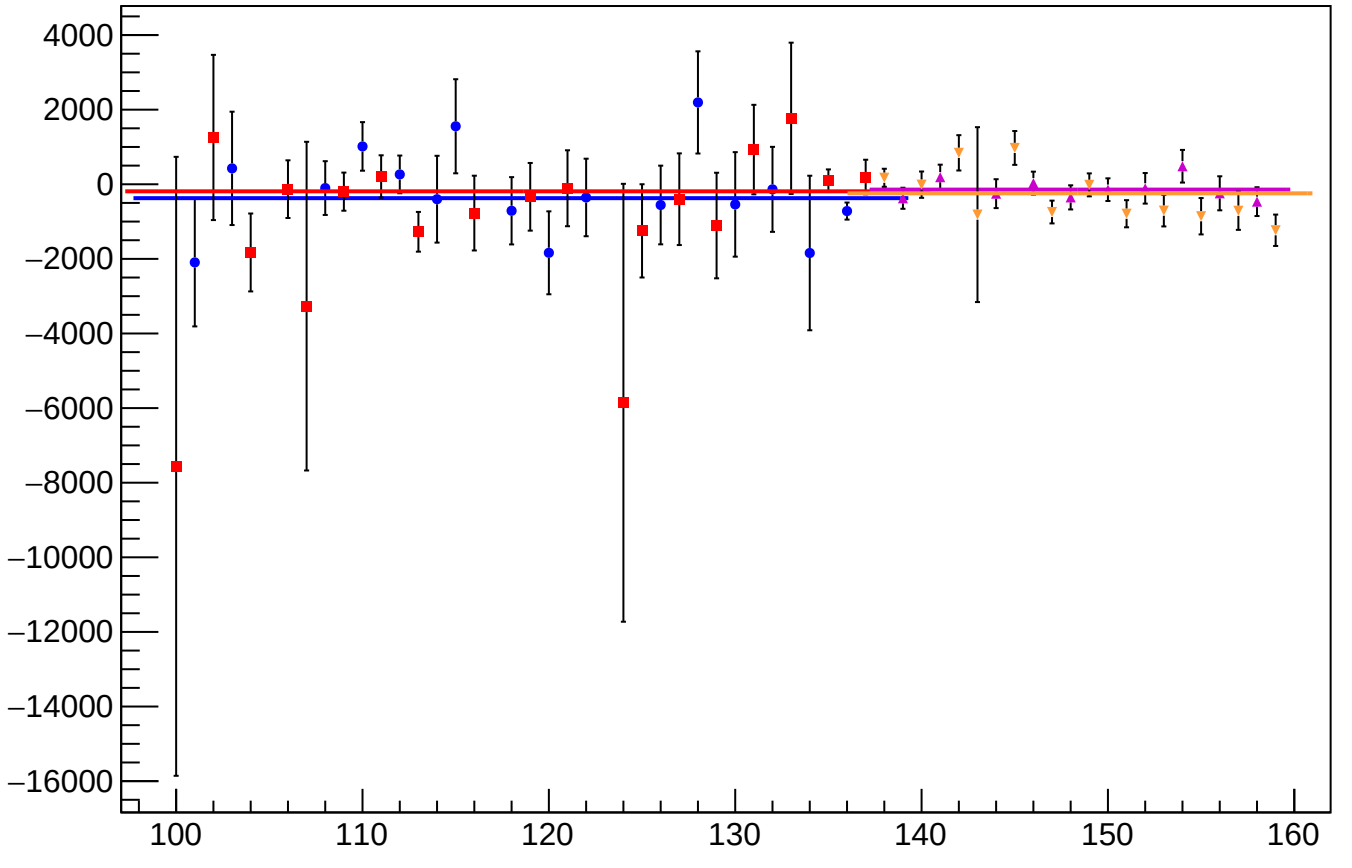
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1292.800+/-0.226 χ^2/NDF: 675743.7/27

All: 1288.938+/-0.160 χ^2/NDF: 1019929.7/56

- sign 1284.979+/-0.228 χ^2/NDF: 343592.2/28



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -242.958+/-109.892 χ^2/NDF:30.6/11

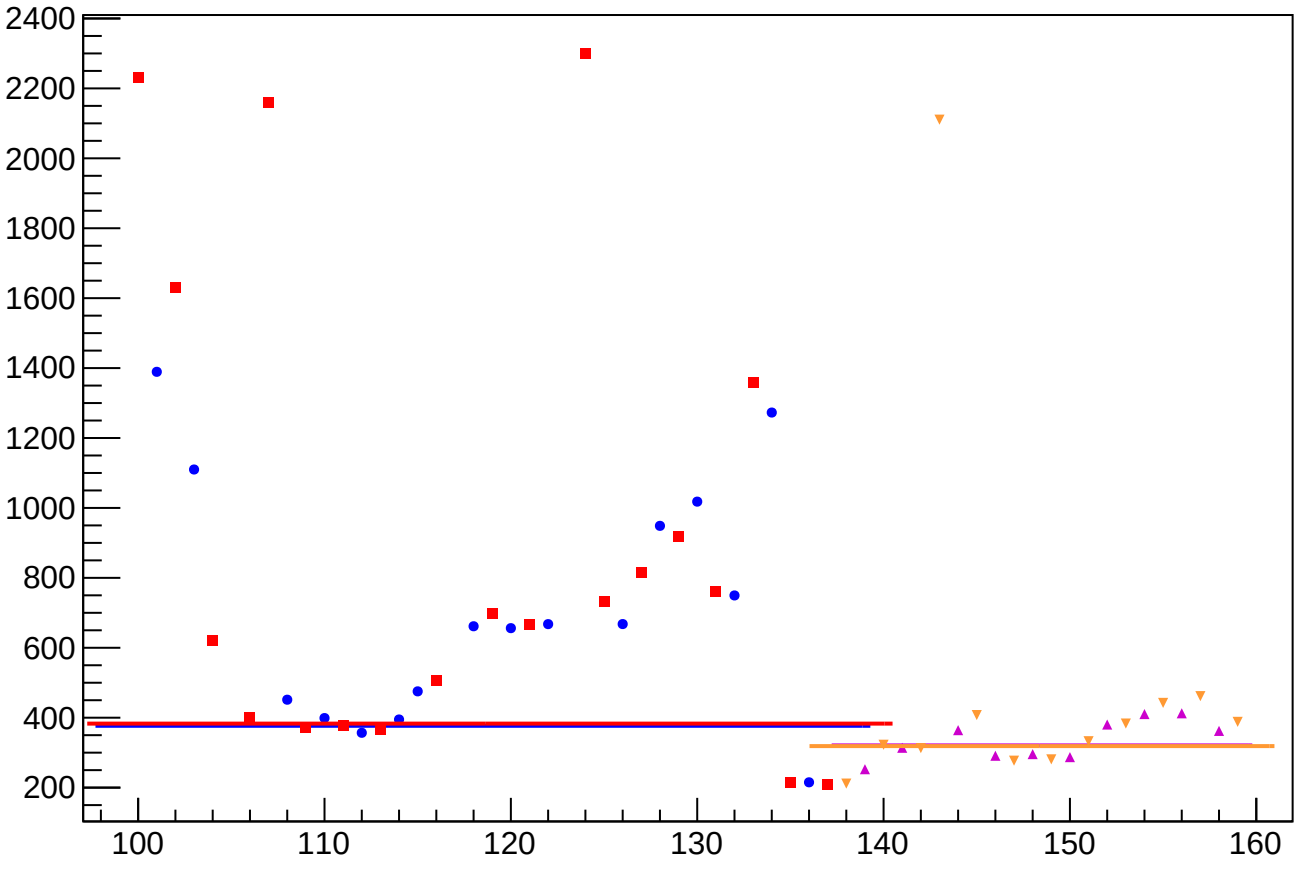
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -143.110+/-110.579 χ^2/NDF:5.3/9

+ sign -281.658+/-91.998 χ^2/NDF: 49.2/27

All: -219.646+/-65.273 χ^2/NDF: 70.1/56

- sign -156.786+/-92.626 χ^2/NDF: 20.0/28



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

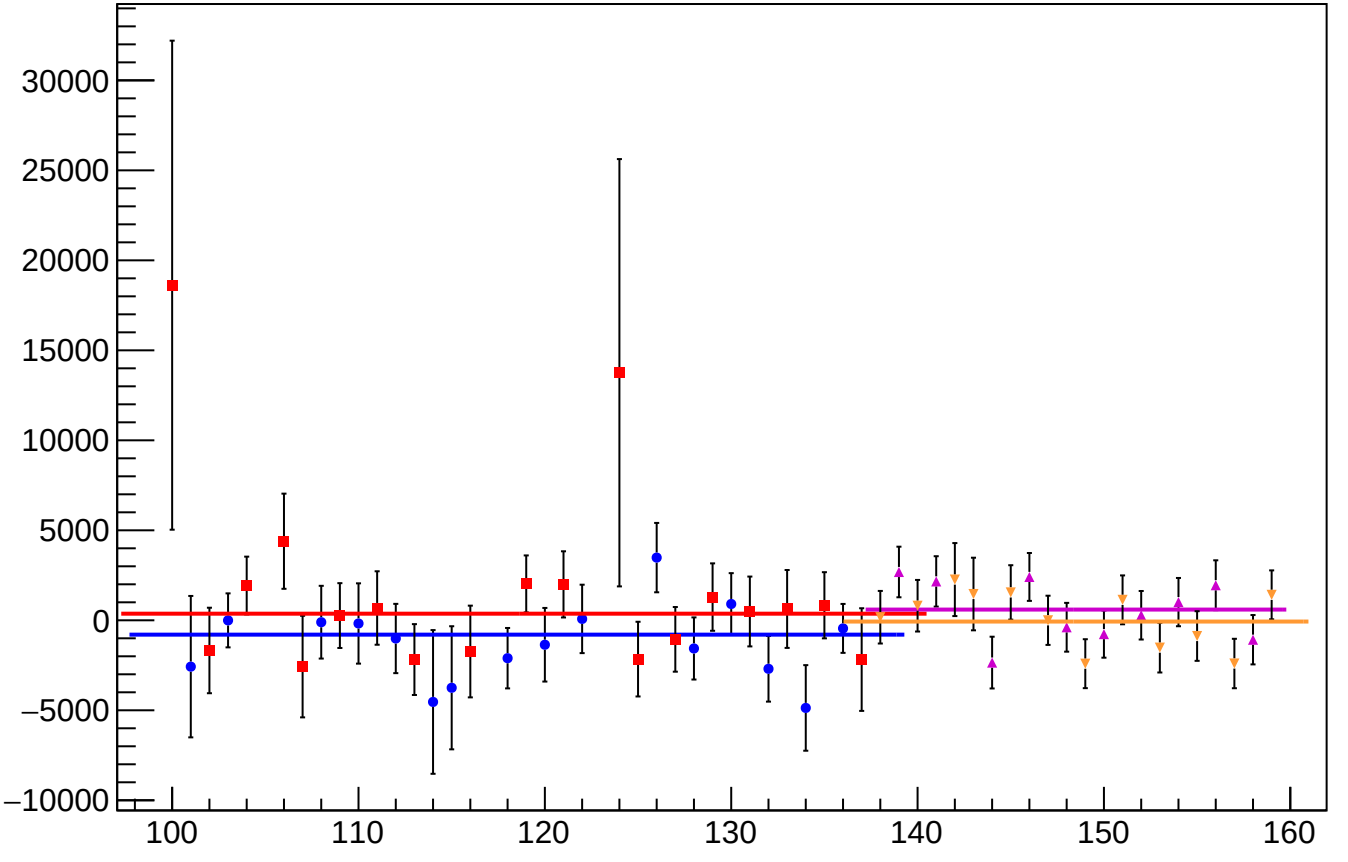
Left In: 320.794+/-0.078 χ^2/NDF:427716.1/9

+ sign 336.147+/-0.065 χ^2/NDF: 6453972.7/27

All: 337.750+/-0.046 χ^2/NDF: 11126320.3/56

- sign 339.375+/-0.065 χ^2/NDF: 4671124.2/28

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

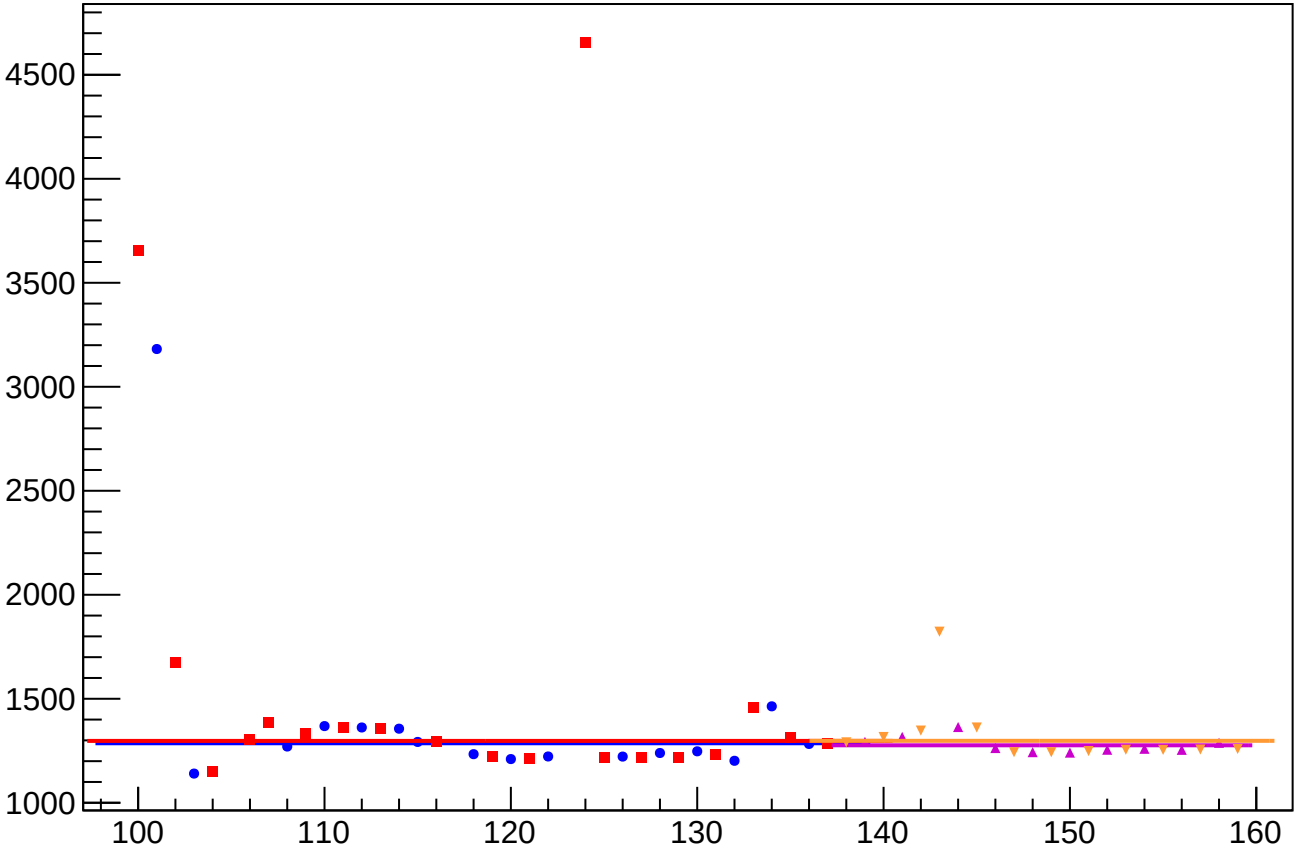
Left In: 595.971+/-432.267 χ^2/NDF:13.7/9

+ sign -380.807+/-318.929 χ^2/NDF: 27.4/27

All: 51.478+/-226.975 χ^2/NDF: 60.6/56

- sign 495.129+/-323.094 χ^2/NDF: 29.5/28

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

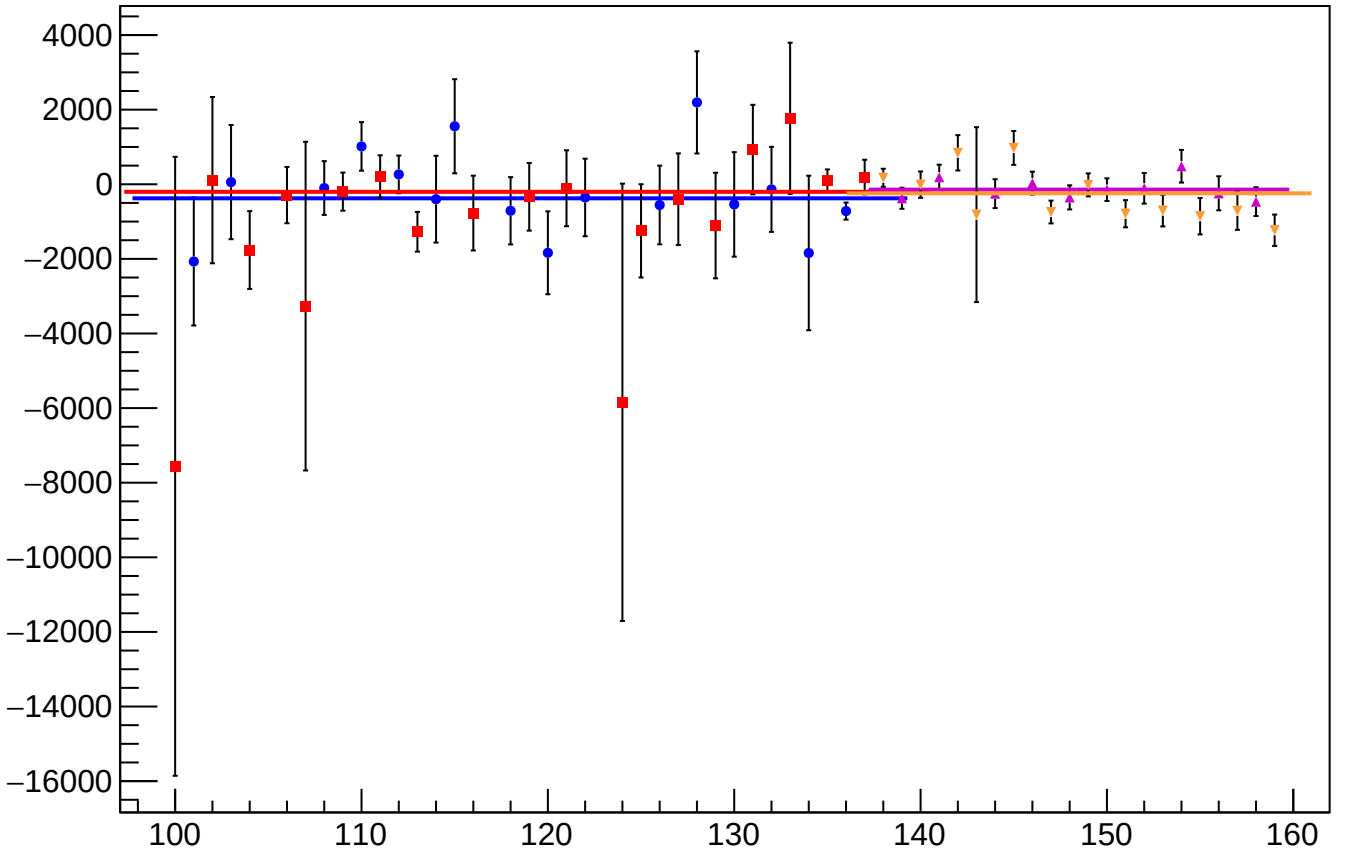
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1292.800+/-0.226 χ^2/NDF: 675745.2/27

All: 1289.251+/-0.160 χ^2/NDF: 1019788.0/56

- sign 1285.609+/-0.228 χ^2/NDF: 343541.0/28



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -242.973+/-109.895 χ^2/NDF:30.6/11

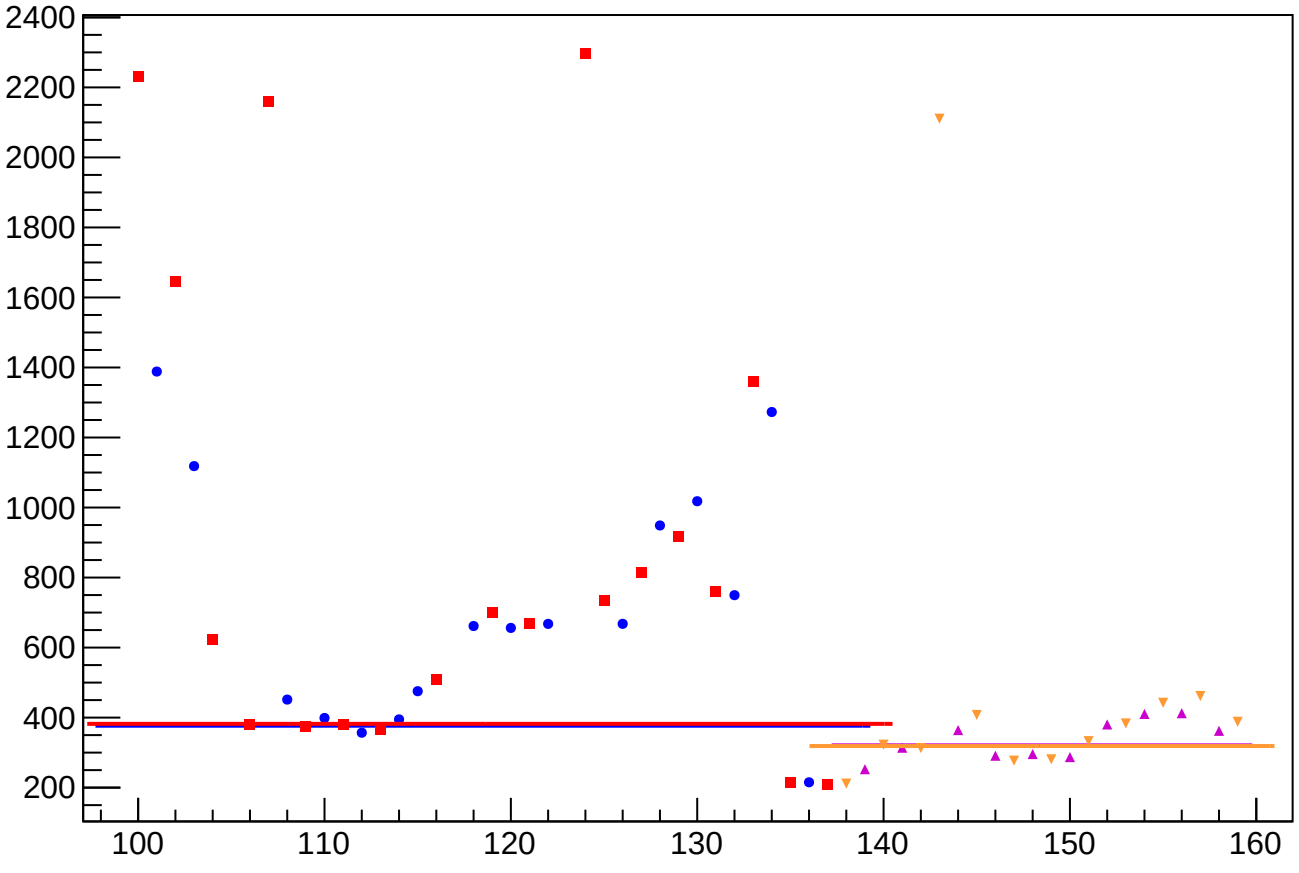
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -143.134+/-110.579 χ^2/NDF:5.3/9

+ sign -282.993+/-92.003 χ^2/NDF: 49.0/27

All: -222.272+/-65.264 χ^2/NDF: 69.2/56

- sign -160.769+/-92.593 χ^2/NDF: 19.4/28



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 318.764+/-0.078 χ^2/NDF:2096232.9/11

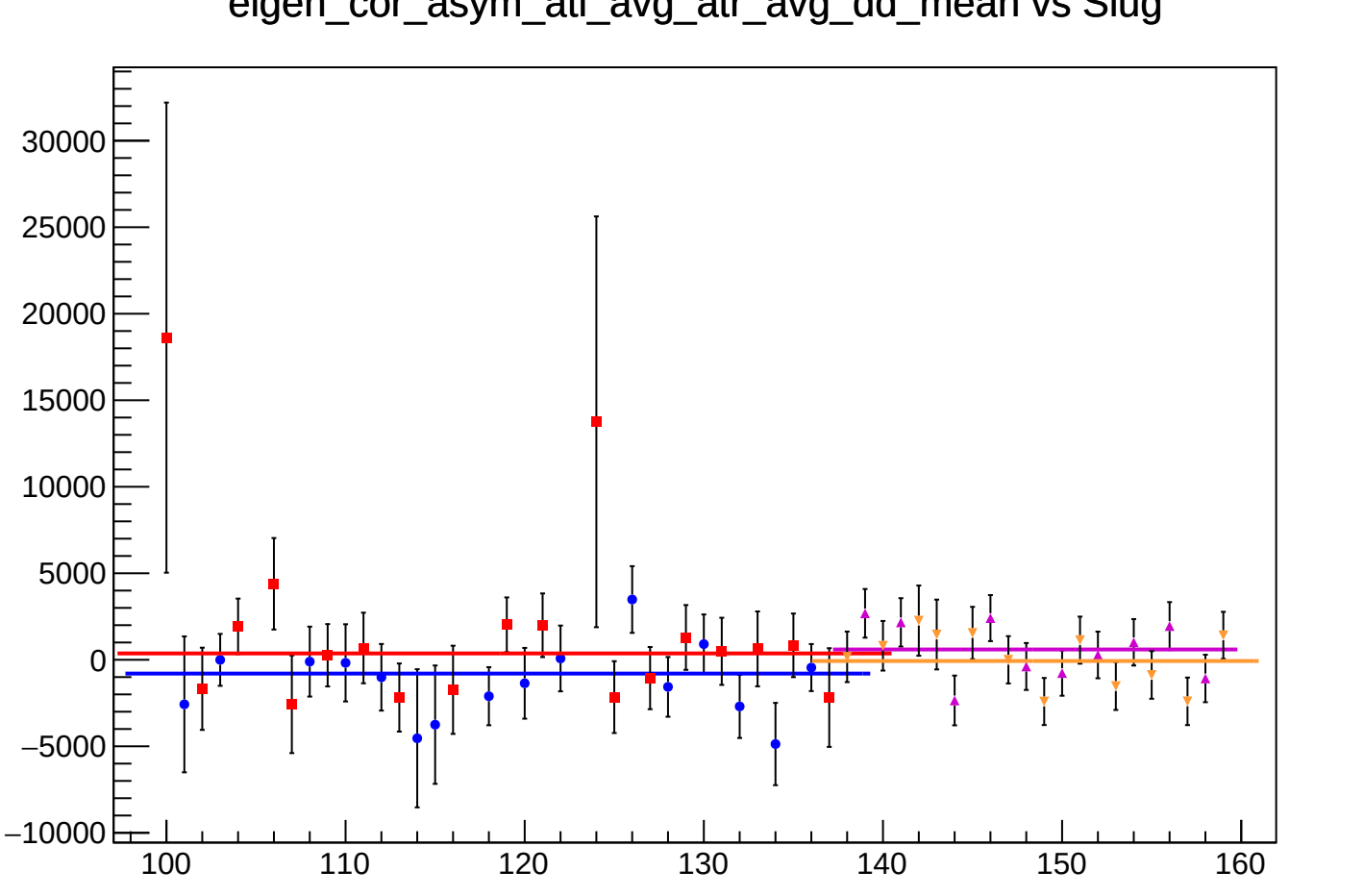
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

+ sign 336.149+/-0.065 χ^2/NDF: 6456882.1/27

All: 337.627+/-0.046 χ^2/NDF: 11129239.0/56

- sign 339.125+/-0.065 χ^2/NDF: 4671317.3/28



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

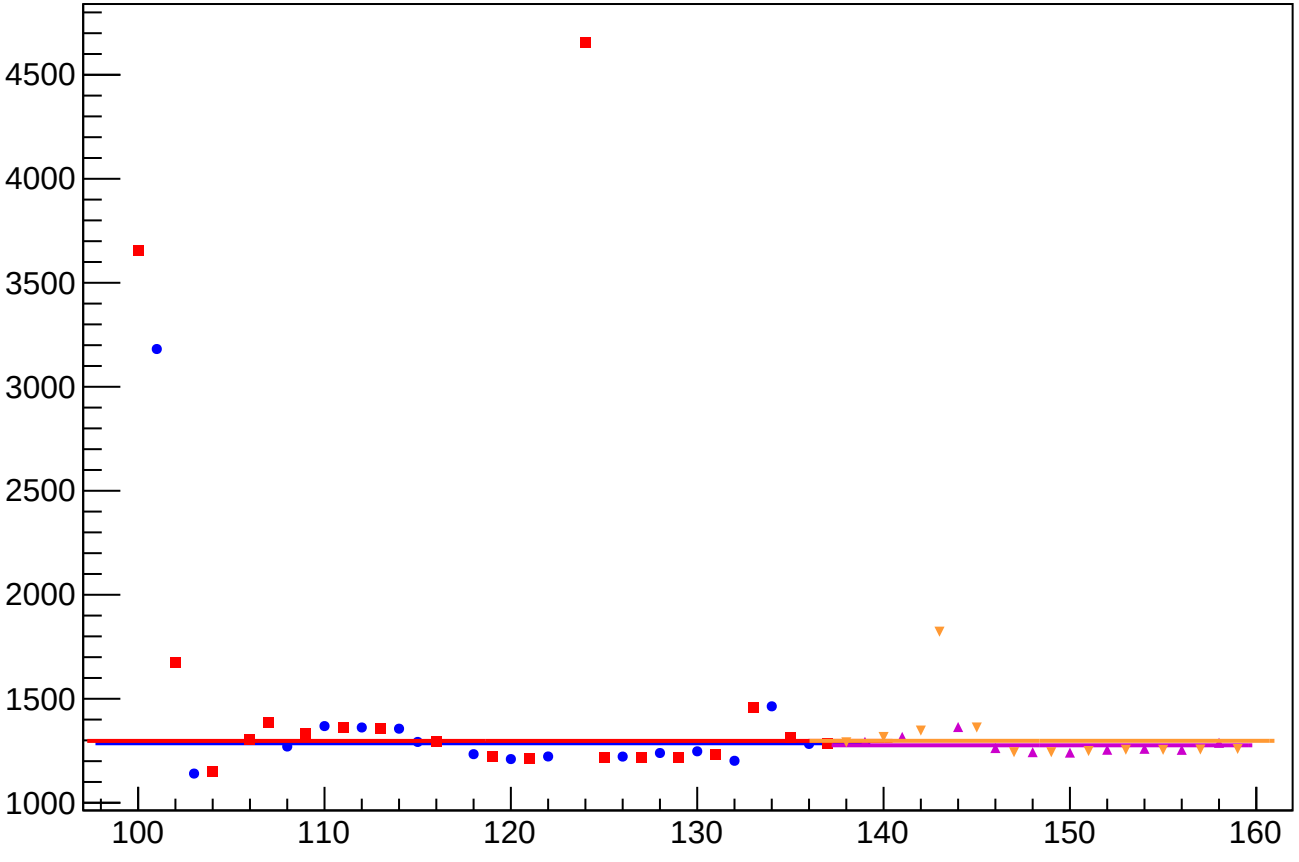
Left In: 595.971+/-432.267 χ^2/NDF:13.7/9

\+ sign -380.807+/-318.929 χ^2/NDF: 27.4/27

All: 51.478+/-226.975 χ^2/NDF: 60.6/56

\- sign 495.129+/-323.094 χ^2/NDF: 29.5/28

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

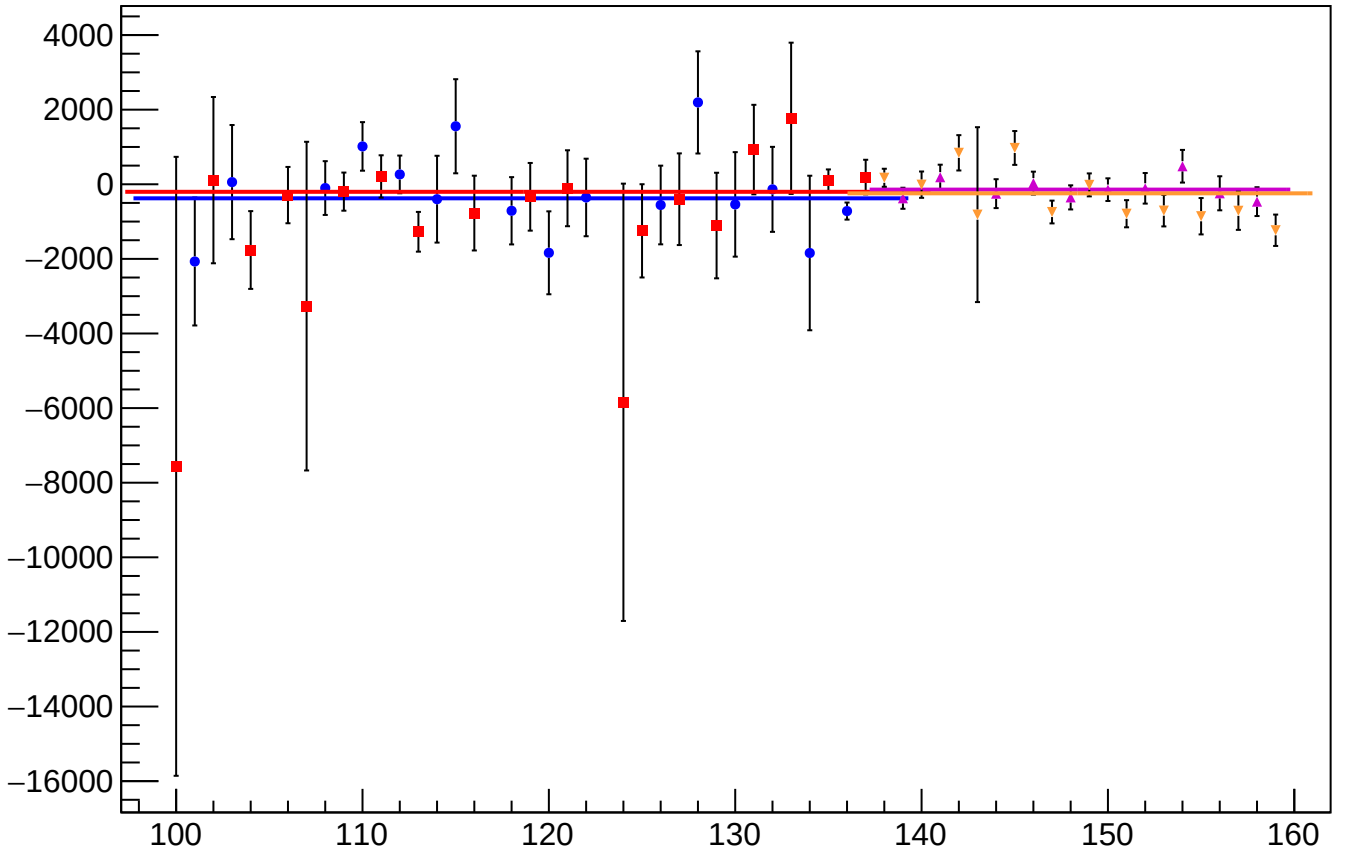
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1292.800+/-0.226 χ^2/NDF: 675745.2/27

All: 1289.251+/-0.160 χ^2/NDF: 1019788.0/56

- sign 1285.609+/-0.228 χ^2/NDF: 343541.0/28



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -242.973+/-109.895 χ^2/NDF:30.6/11

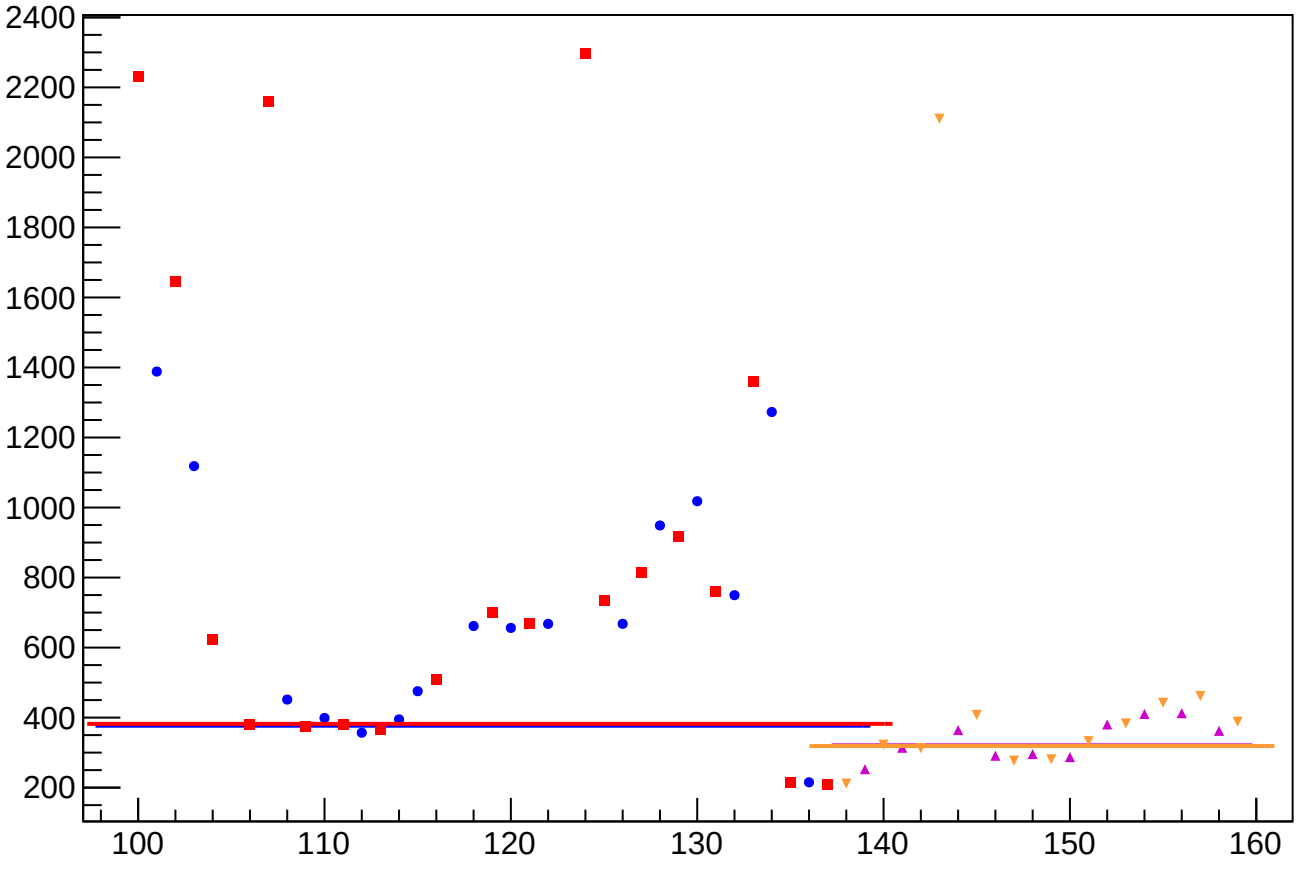
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -143.134+/-110.579 χ^2/NDF:5.3/9

+ sign -282.993+/-92.003 χ^2/NDF: 49.0/27

All: -222.272+/-65.264 χ^2/NDF: 69.2/56

- sign -160.769+/-92.593 χ^2/NDF: 19.4/28



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 318.764+/-0.078 χ^2/NDF:2096232.9/11

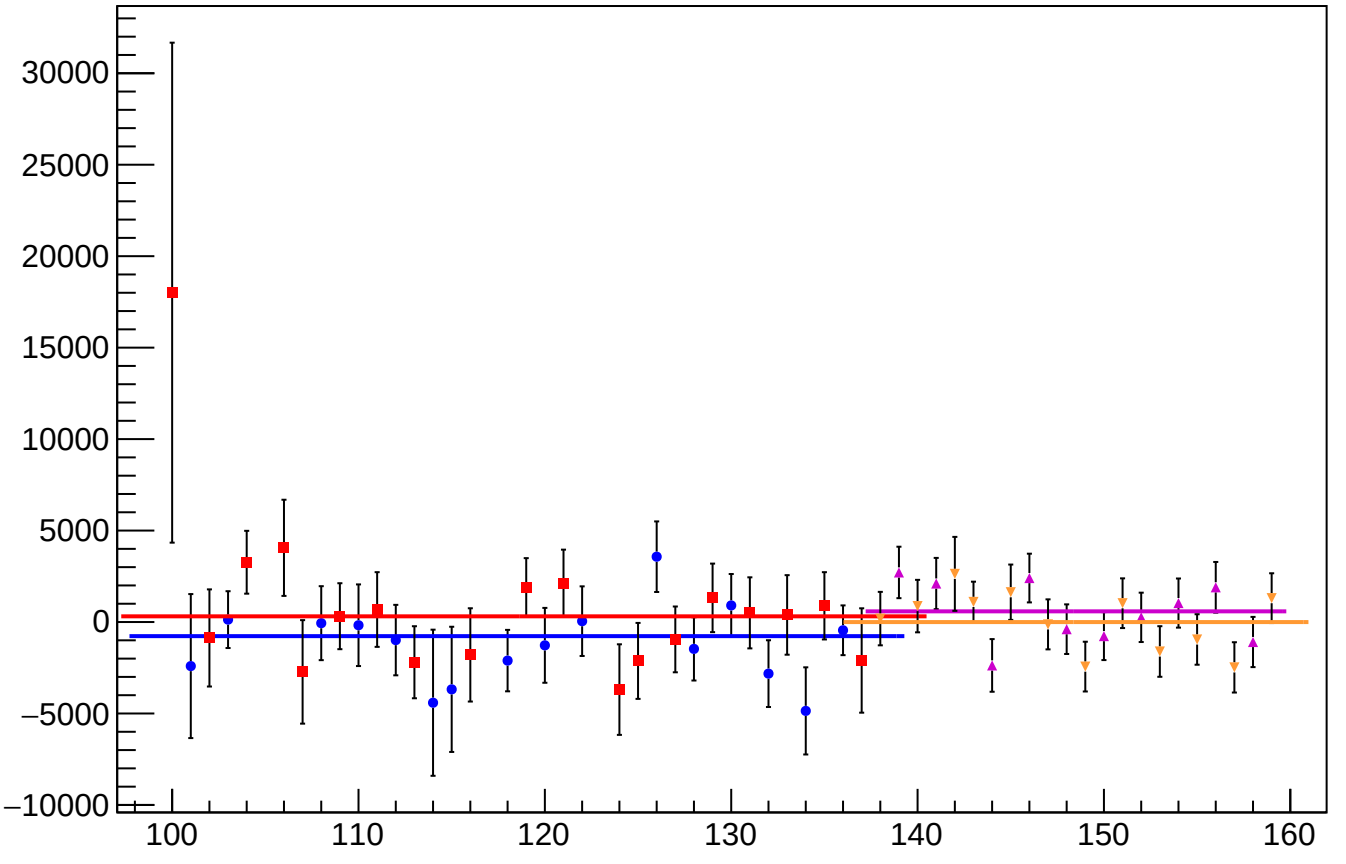
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

+ sign 336.149+/-0.065 χ^2/NDF: 6456882.1/27

All: 337.627+/-0.046 χ^2/NDF: 11129239.0/56

- sign 339.125+/-0.065 χ^2/NDF: 4671317.3/28



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

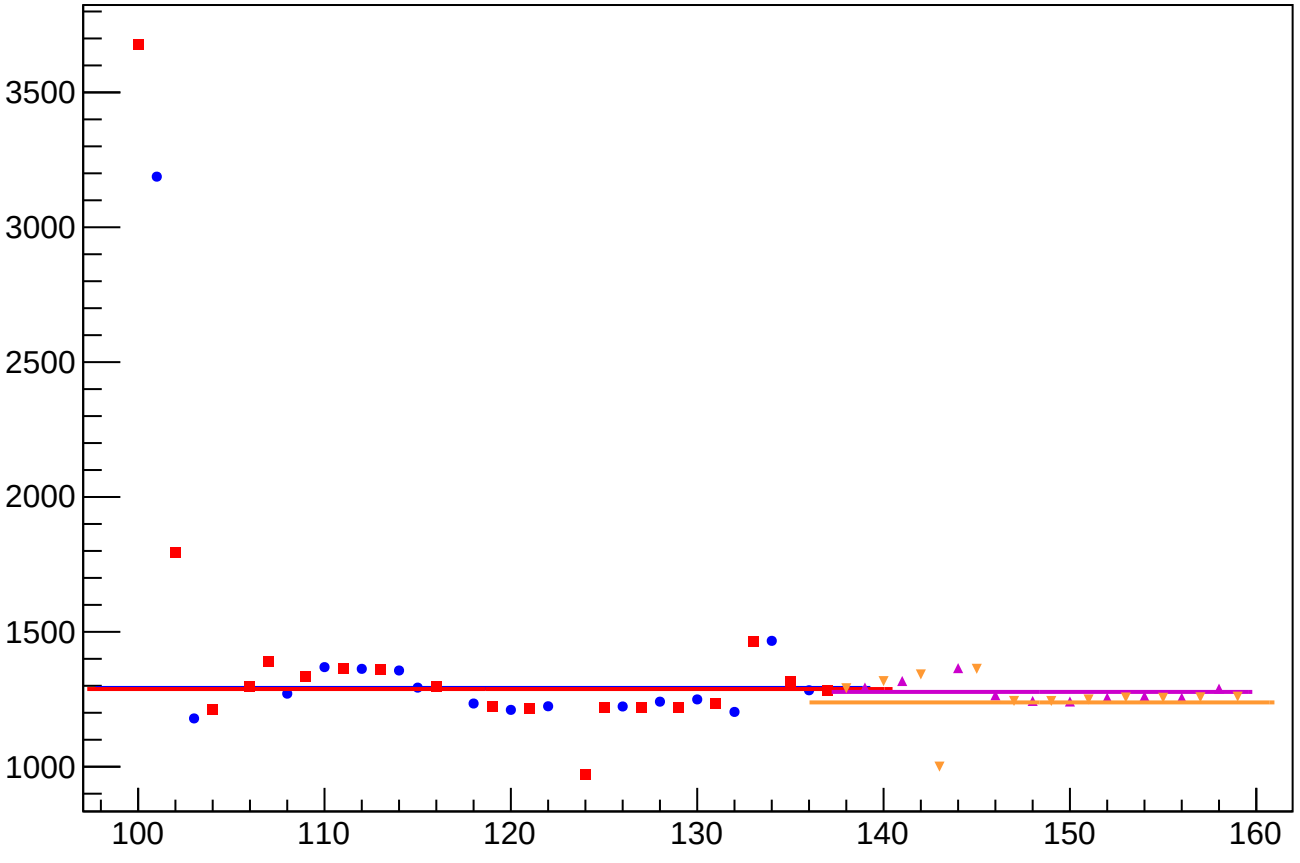
Left In: 583.693+/-432.619 χ^2/NDF:13.7/9

+ sign -312.178+/-310.715 χ^2/NDF: 29.1/27

All: 61.120+/-223.641 χ^2/NDF: 63.9/56

- sign 462.392+/-322.147 χ^2/NDF: 31.8/28

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

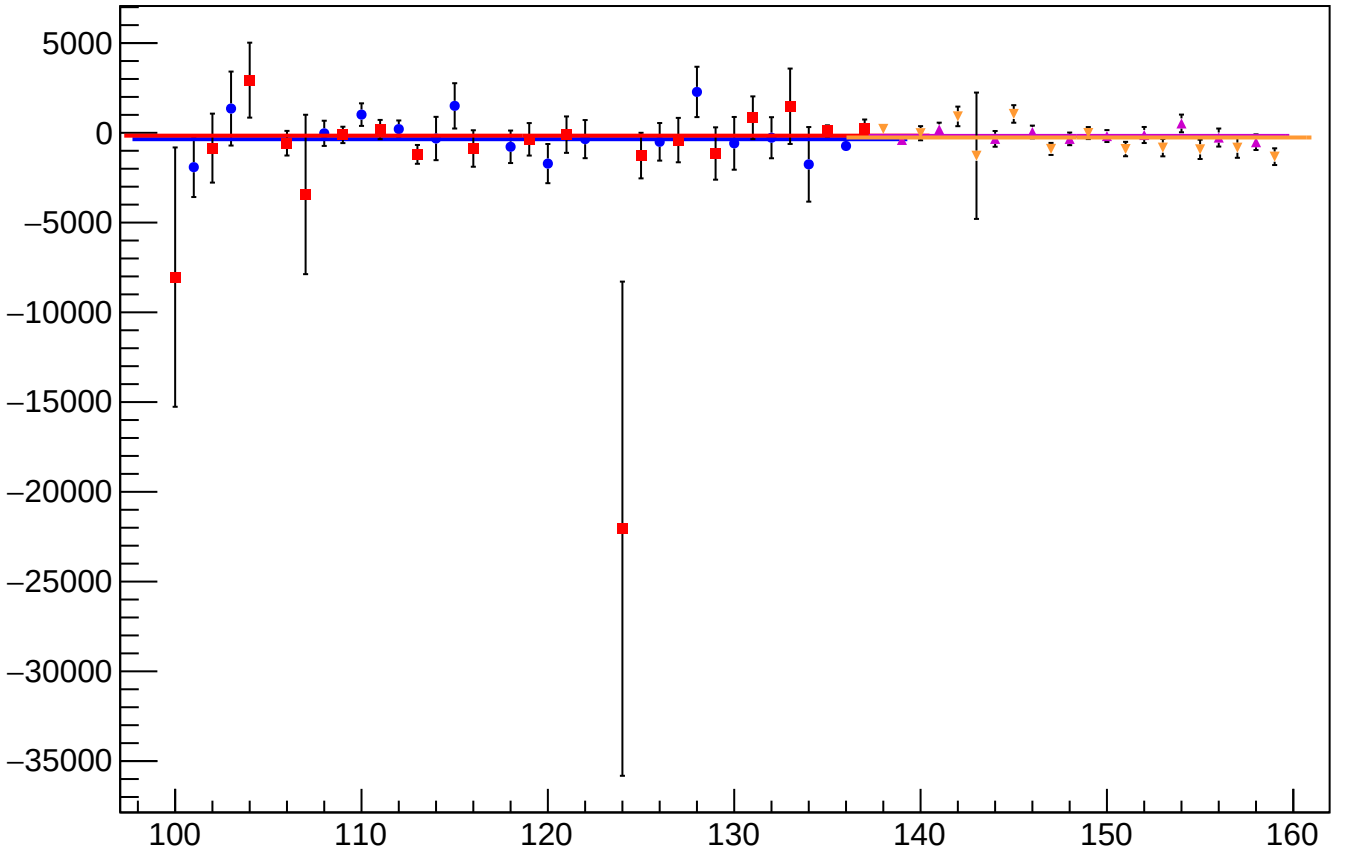
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

+ sign 1260.011+/-0.220 χ^2/NDF: 645383.6/27

All: 1270.647+/-0.158 χ^2/NDF: 873759.5/56

- sign 1282.081+/-0.228 χ^2/NDF: 223512.7/28



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -259.770+/-119.111 χ^2/NDF:32.0/11

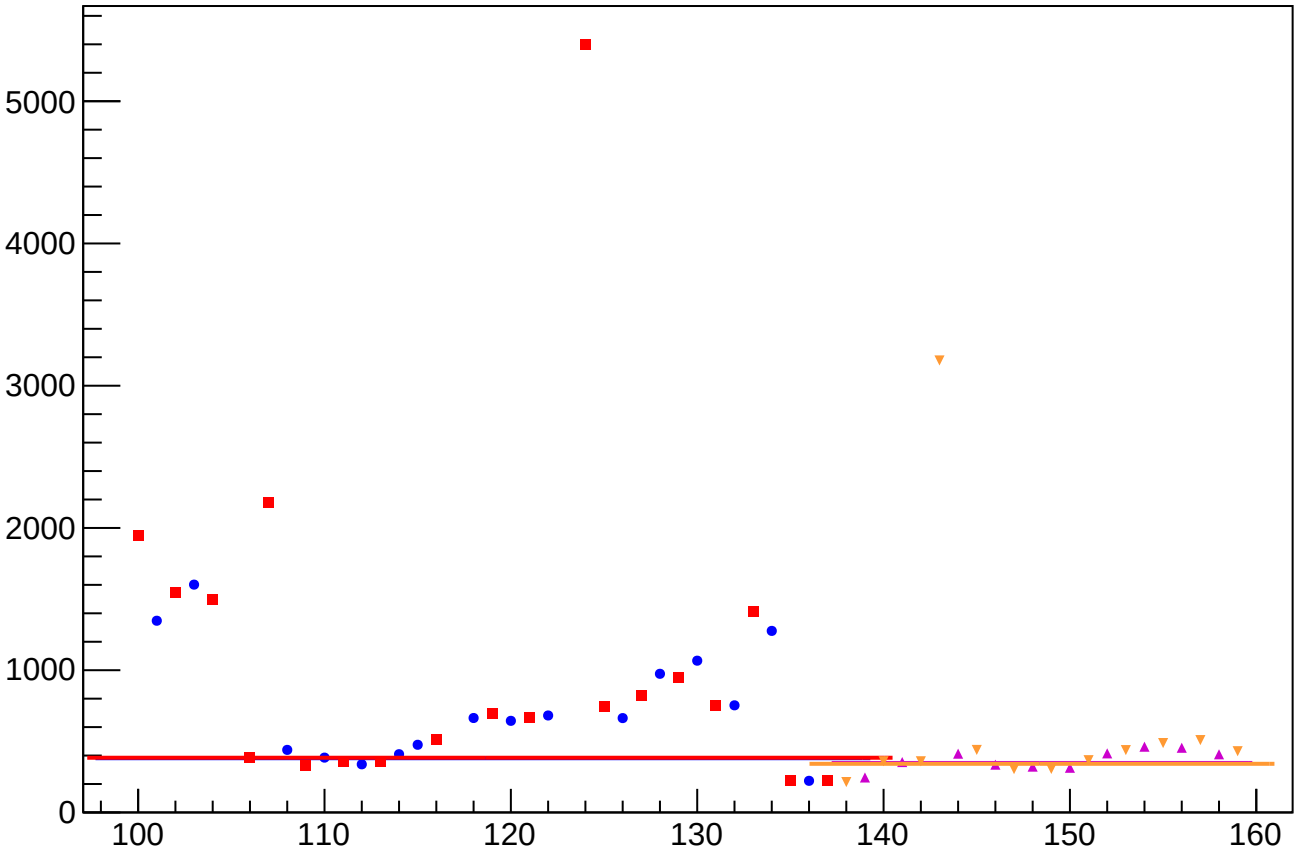
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -171.795+/-120.669 χ^2/NDF:5.0/9

+ sign -291.208+/-97.544 χ^2/NDF: 50.7/27

All: -229.672+/-69.252 χ^2/NDF: 72.3/56

- sign -167.135+/-98.335 χ^2/NDF: 20.8/28



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 342.022+/-0.084 χ^2/NDF:2469442.6/11

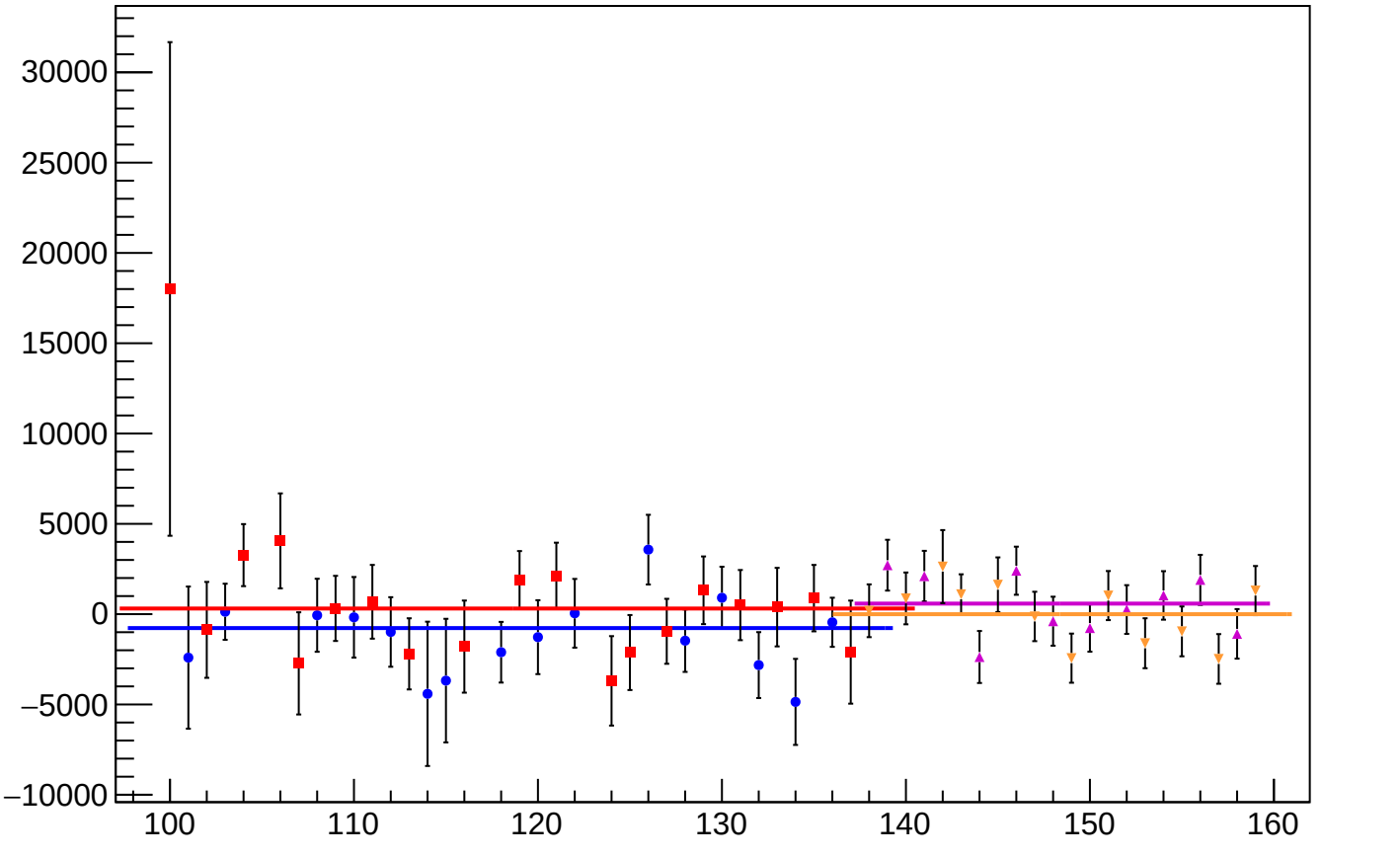
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 347.930+/-0.085 χ^2/NDF:632733.1/9

+ sign 354.974+/-0.069 χ^2/NDF: 6859170.9/27

All: 357.598+/-0.049 χ^2/NDF: 12117244.4/56

- sign 360.265+/-0.070 χ^2/NDF: 5255155.2/28



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

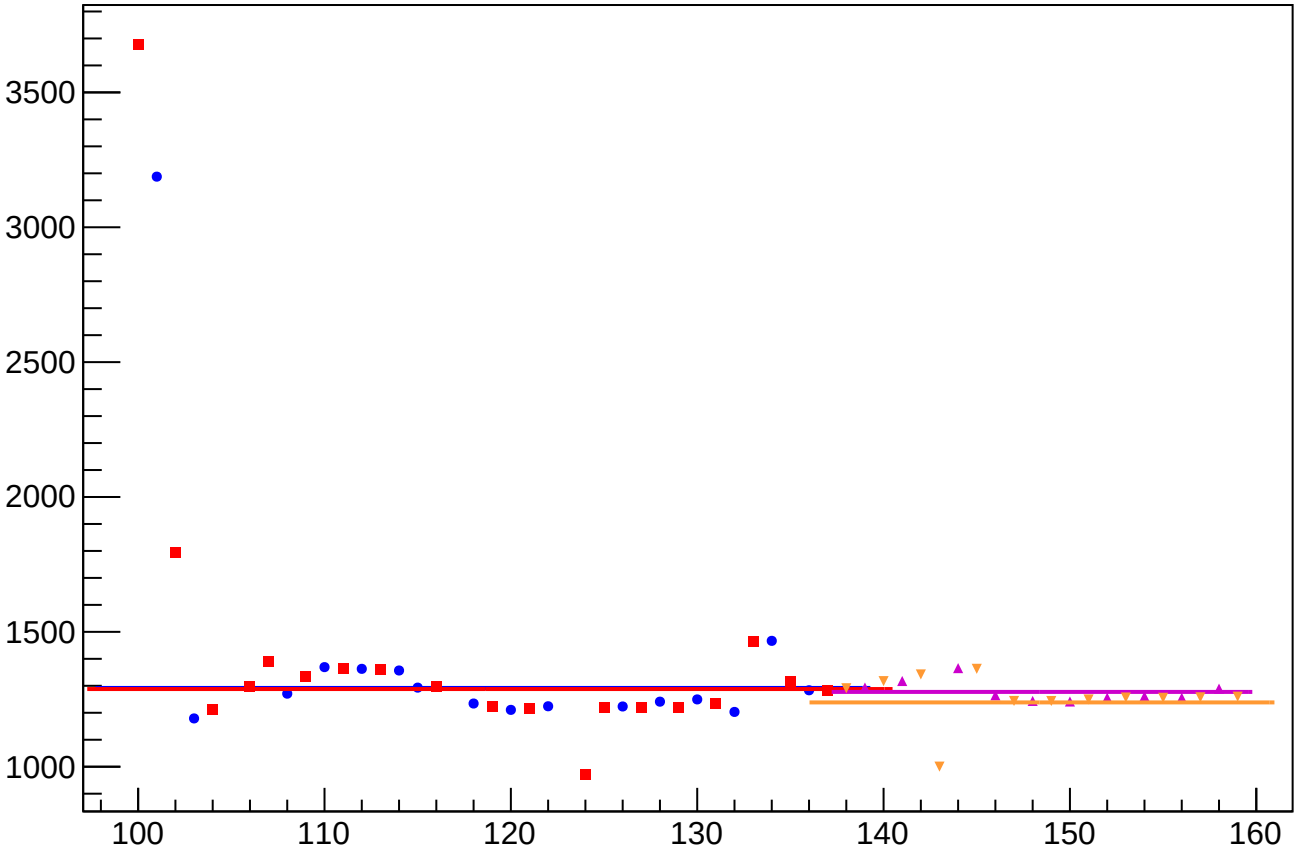
Left In: 583.690+/-432.619 χ^2/NDF:13.7/9

+ sign -312.179+/-310.715 χ^2/NDF: 29.1/27

All: 61.119+/-223.641 χ^2/NDF: 63.9/56

- sign 462.391+/-322.147 χ^2/NDF: 31.8/28

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

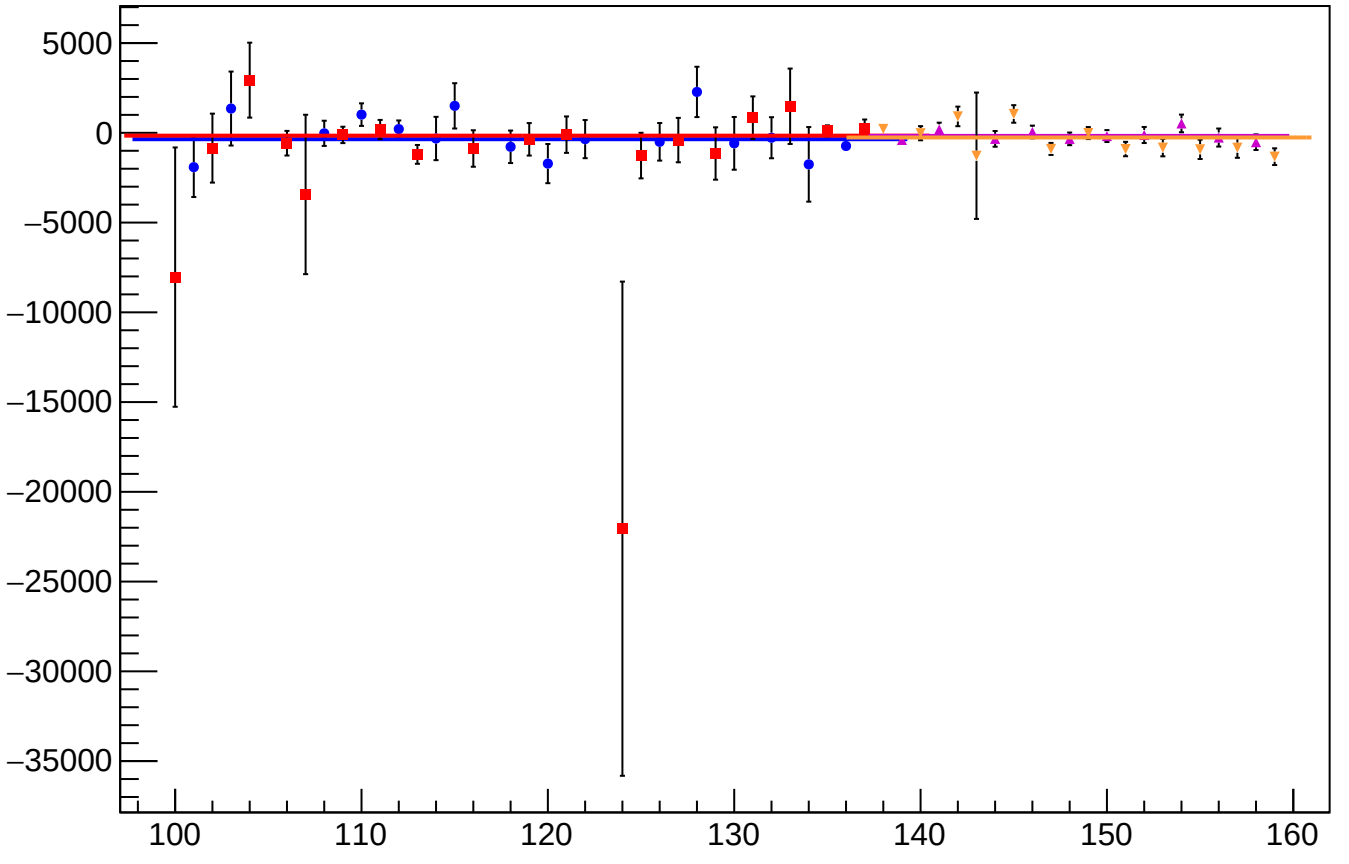
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

+ sign 1260.011+/-0.220 χ^2/NDF: 645382.7/27

All: 1270.647+/-0.158 χ^2/NDF: 873758.8/56

- sign 1282.081+/-0.228 χ^2/NDF: 223513.0/28



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -259.781+/-119.113 χ^2/NDF:32.0/11

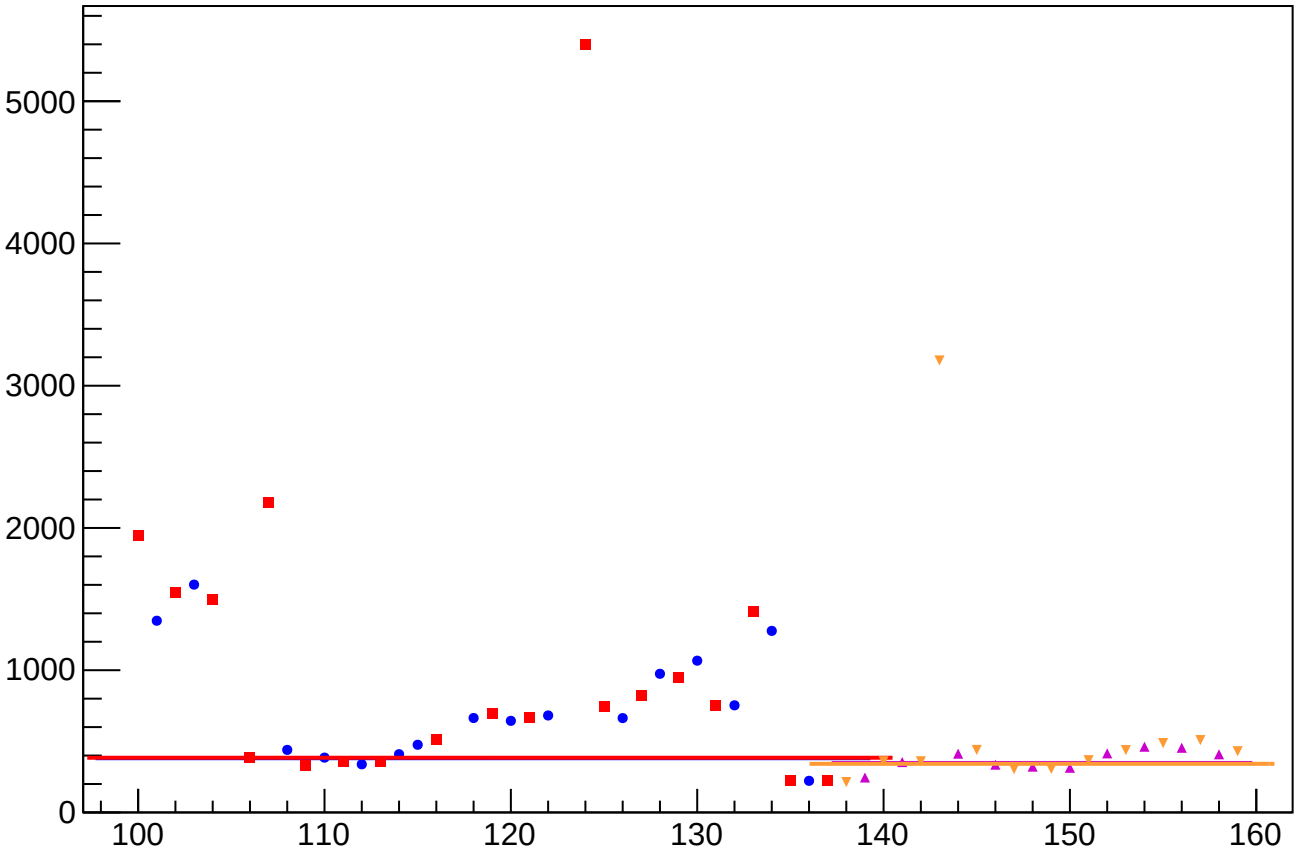
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -171.796+/-120.670 χ^2/NDF:5.0/9

+ sign -291.215+/-97.546 χ^2/NDF: 50.7/27

All: -229.677+/-69.253 χ^2/NDF: 72.3/56

- sign -167.138+/-98.336 χ^2/NDF: 20.8/28



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

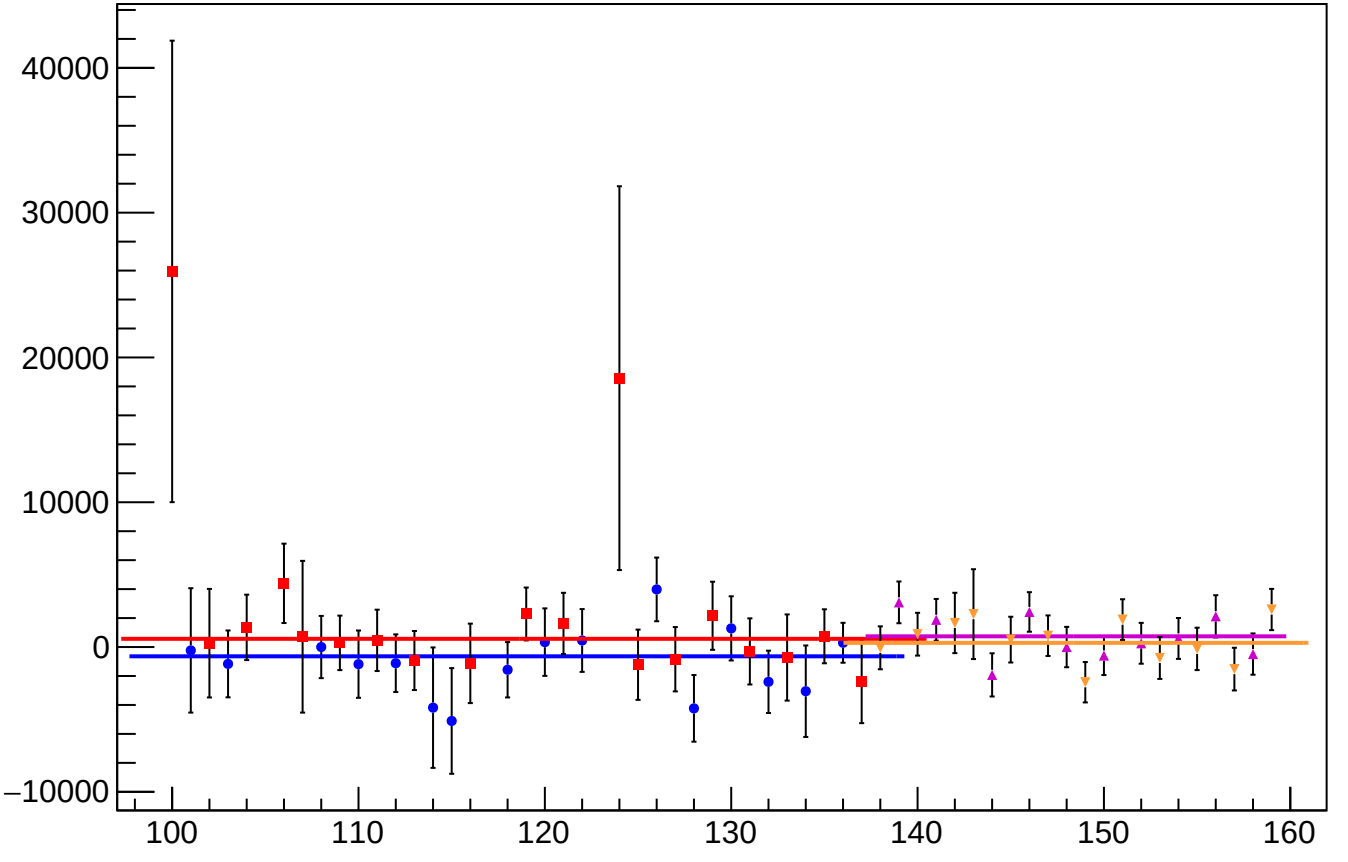
Left In: 347.935+/-0.085 χ^2/NDF:632641.8/9

+ sign 354.982+/-0.069 χ^2/NDF: 6858833.6/27

All: 357.605+/-0.049 χ^2/NDF: 12116681.6/56

- sign 360.271+/-0.070 χ^2/NDF: 5254932.2/28

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

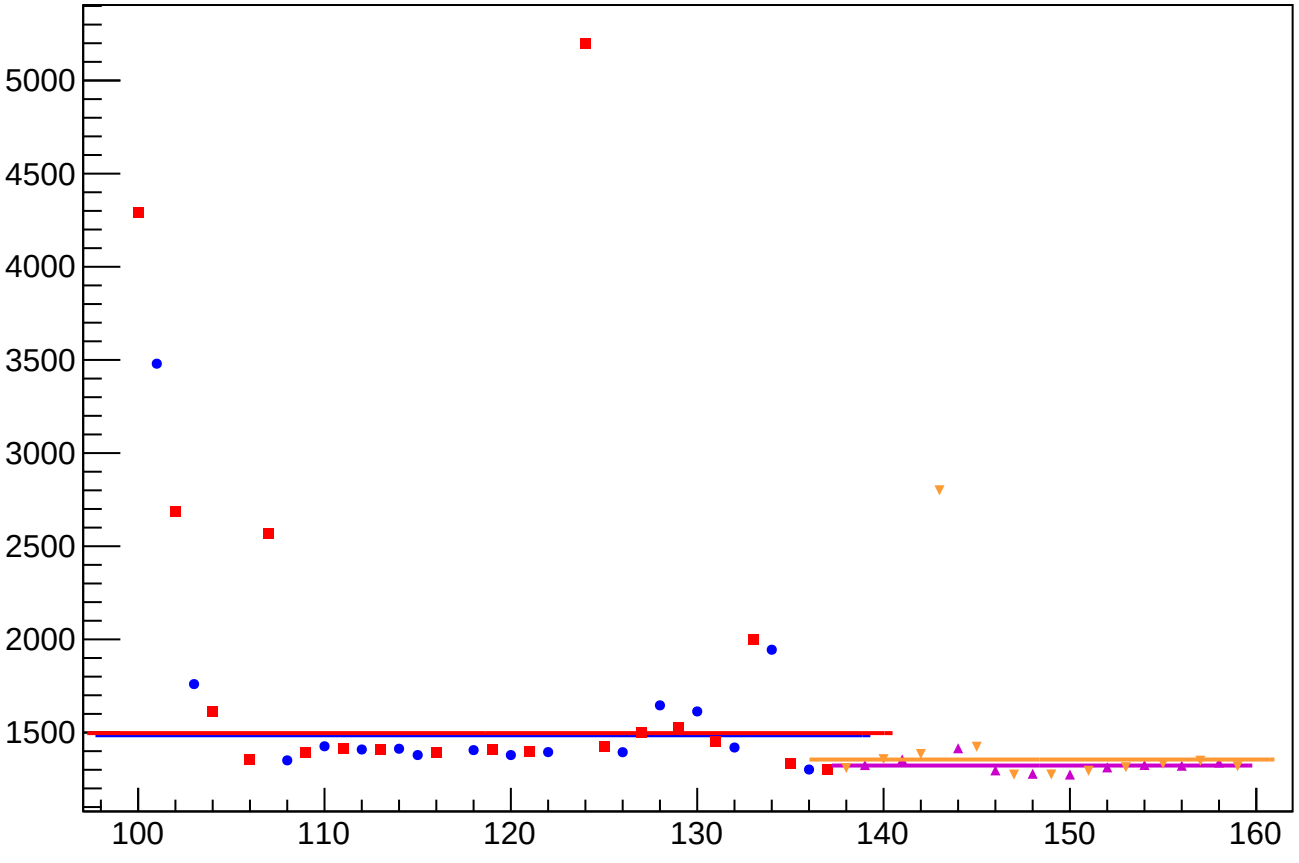
Left In: 739.423+/-448.049 χ^2/NDF:11.0/9

+ sign -66.903+/-348.921 χ^2/NDF: 25.2/27

All: 300.442+/-247.626 χ^2/NDF: 49.8/56

- sign 673.209+/-351.486 χ^2/NDF: 22.4/28

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

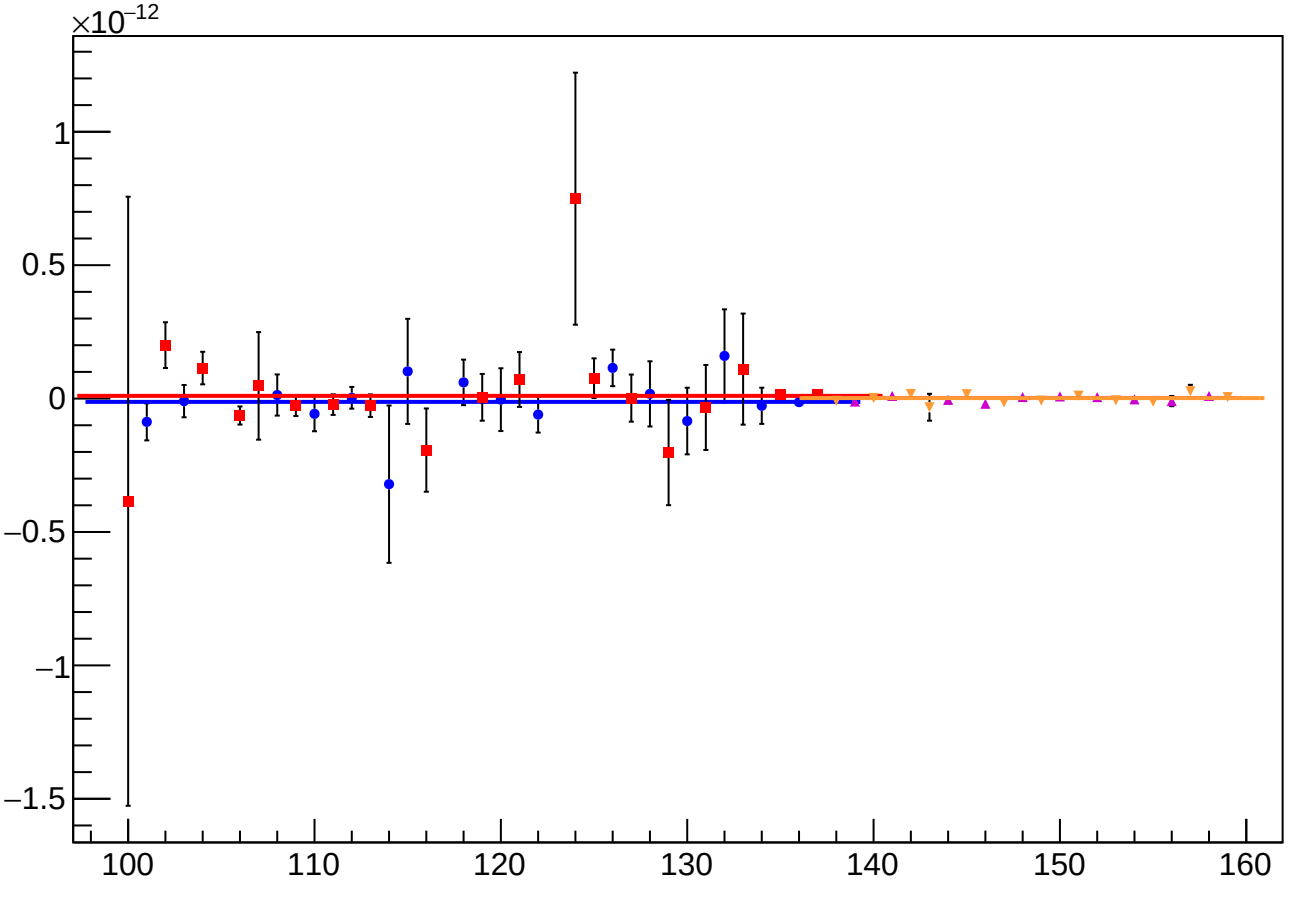
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.829+/-0.317 χ^2/NDF:14415.3/9

+ sign 1404.860+/-0.247 χ^2/NDF: 1110553.9/27

All: 1397.366+/-0.175 χ^2/NDF: 1866173.3/56

- sign 1389.762+/-0.249 χ^2/NDF: 753760.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/11

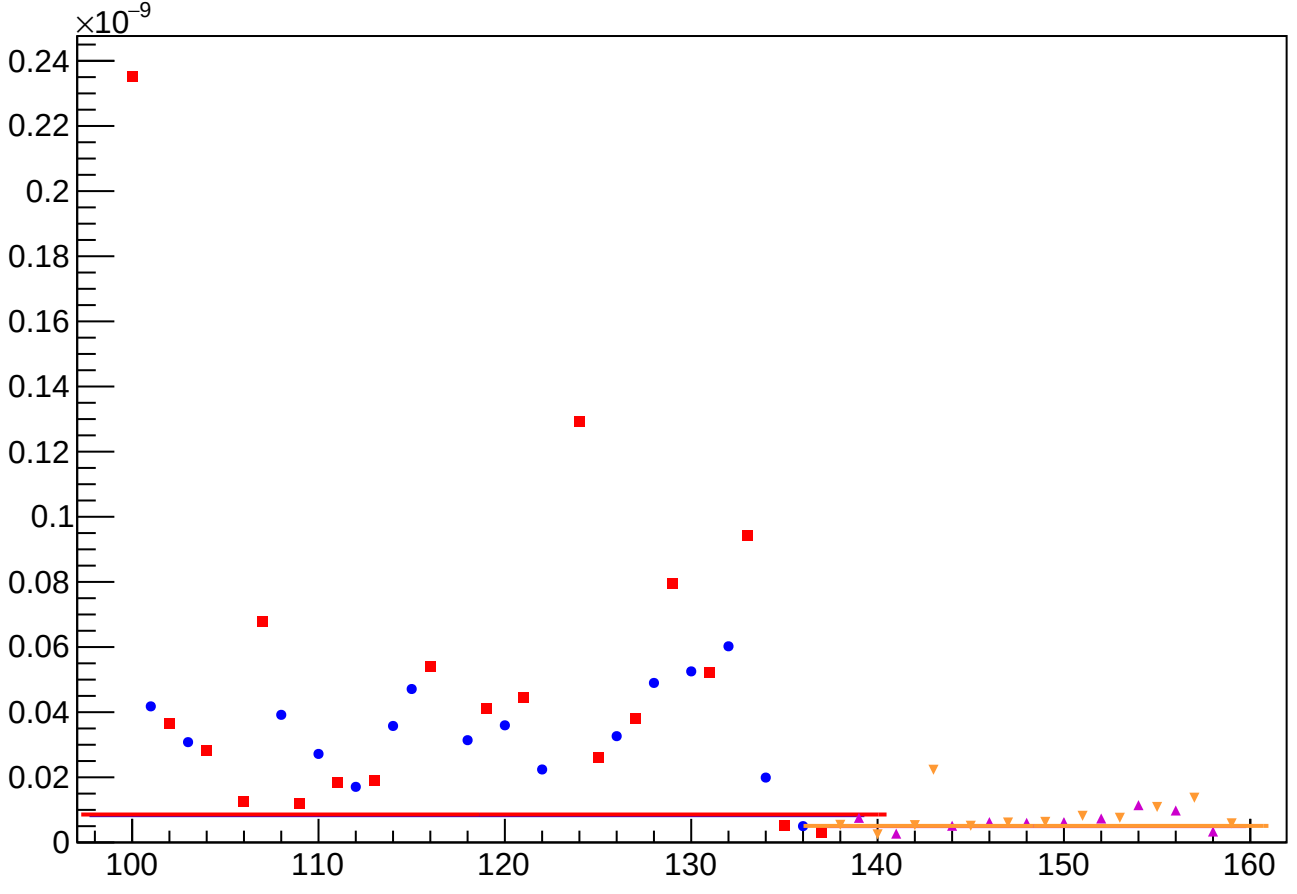
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 24.8/27

All: 0.000+/-0.000 χ^2/NDF: 59.4/56

- sign 0.000+/-0.000 χ^2/NDF: 33.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1534636.1/11

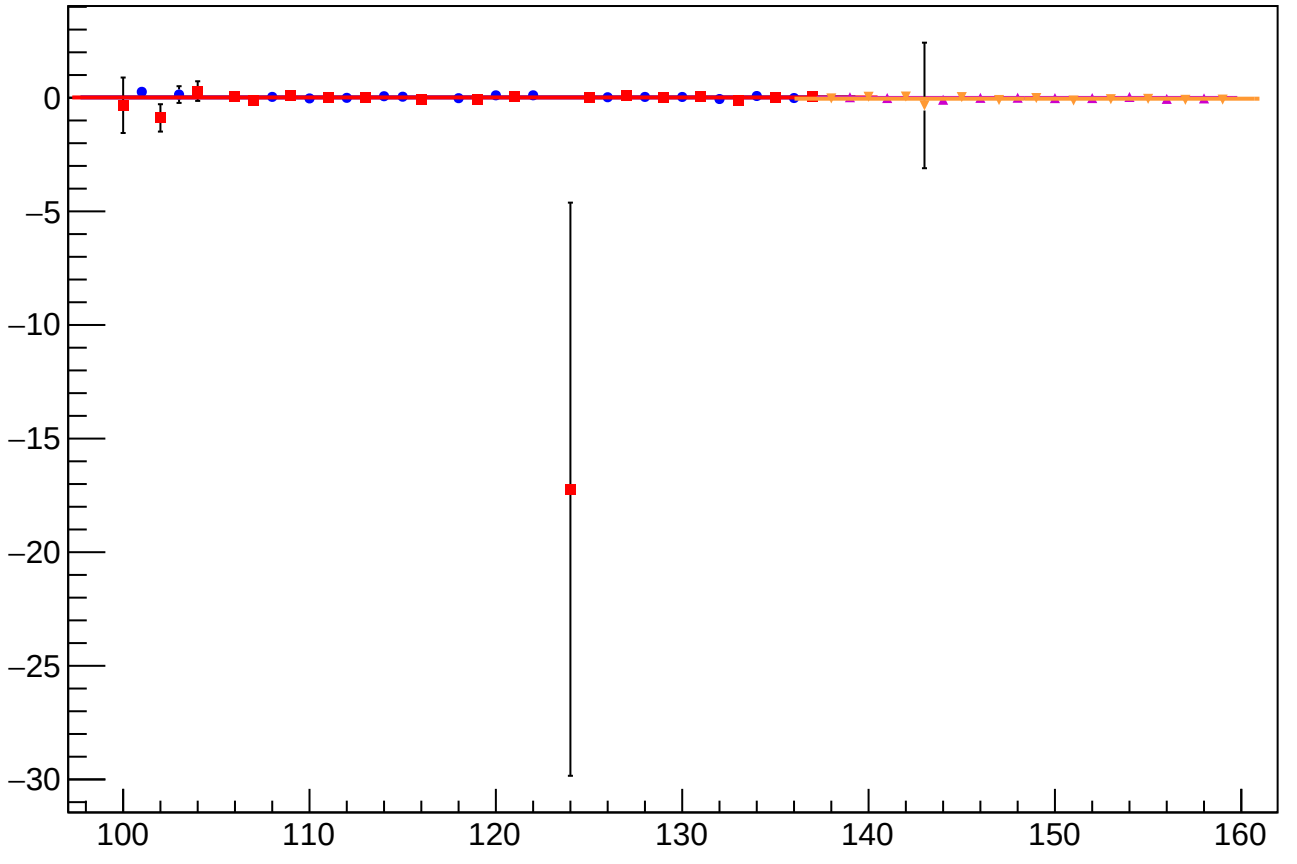
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1070875.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4936313.2/27

All: 0.000+/-0.000 χ^2/NDF: 9703667.1/56

- sign 0.000+/-0.000 χ^2/NDF: 4766618.6/28



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

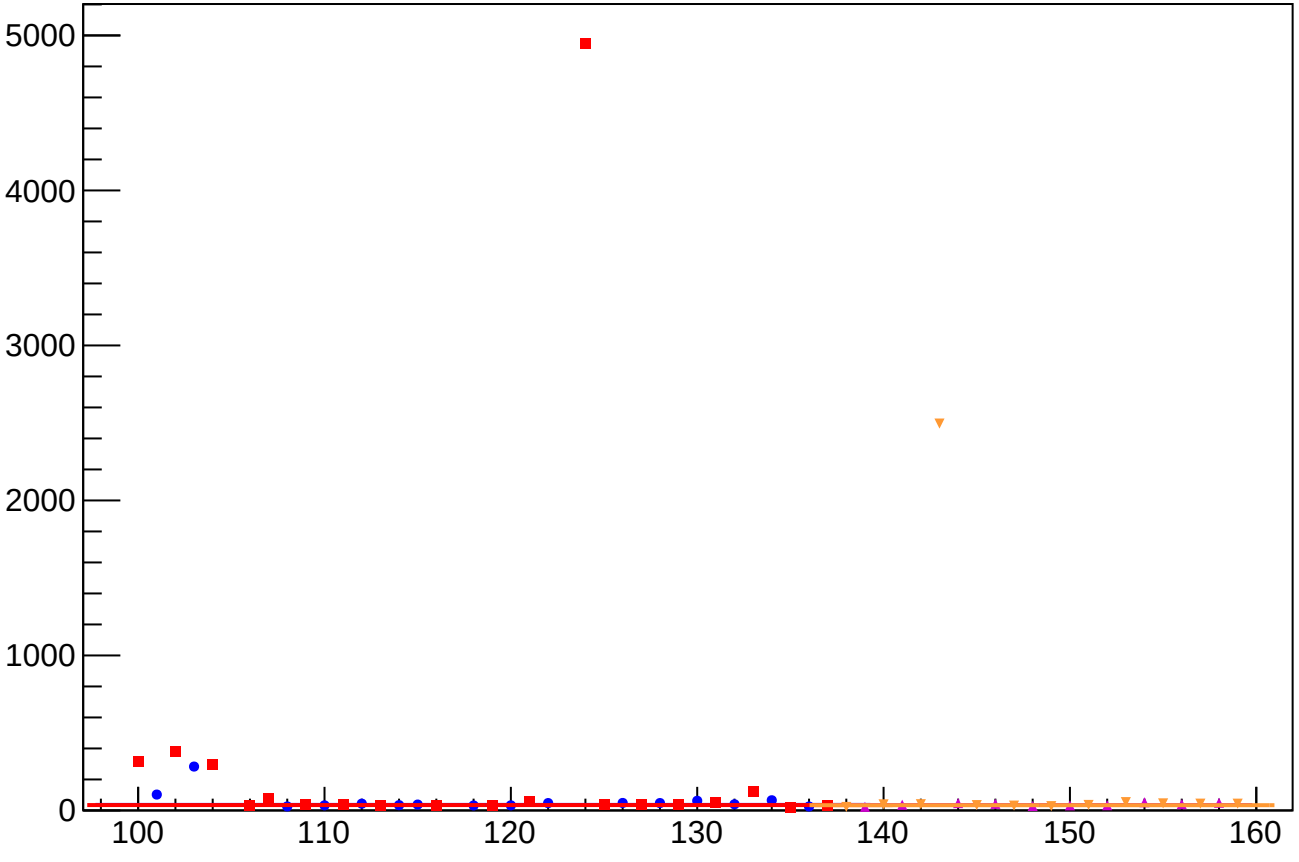
Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.009+/-0.007 χ^2/NDF: 61.3/56

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28

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

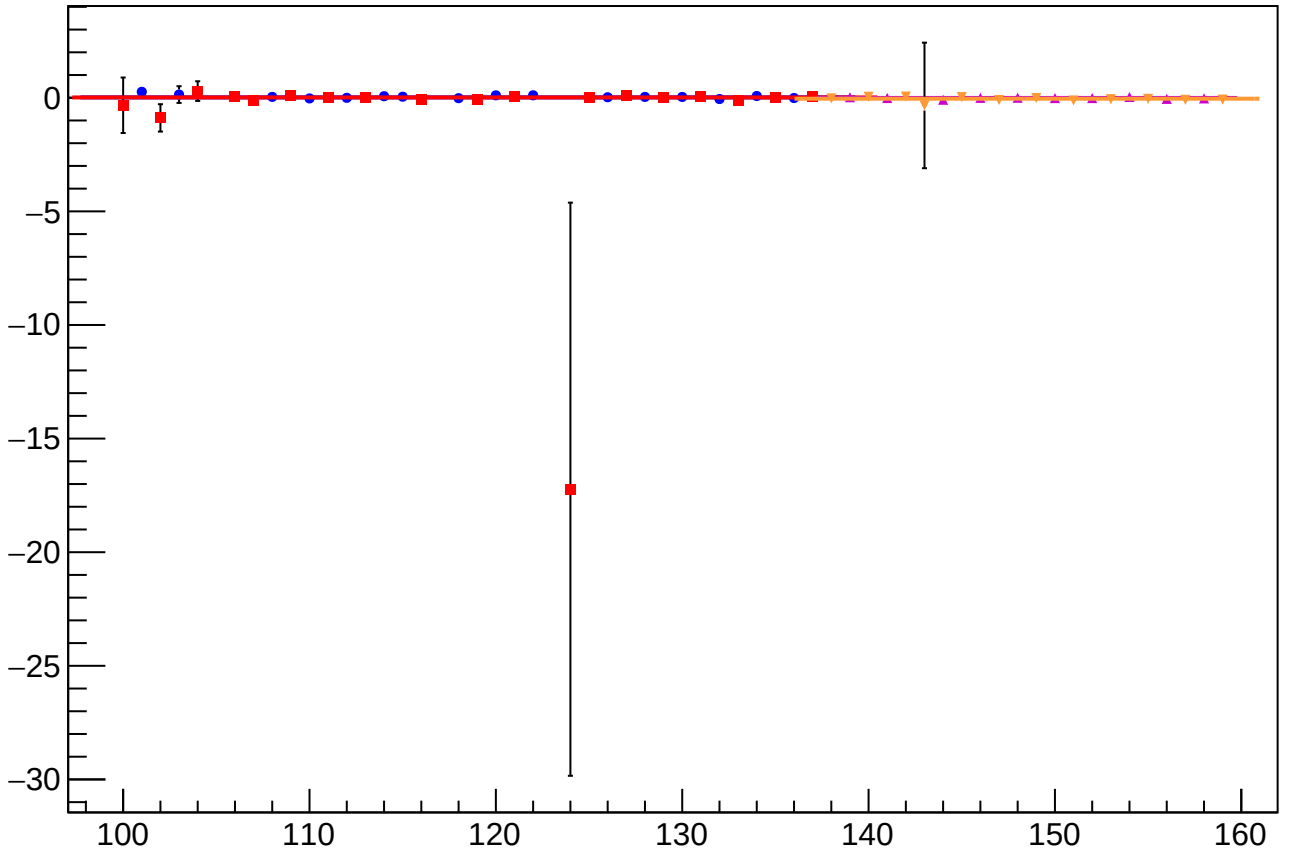
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

\+ sign 34.657+/-0.007 χ^2/NDF: 4807506.1/27

All: 34.834+/-0.005 χ^2/NDF: 8633731.7/56

\- sign 35.020+/-0.007 χ^2/NDF: 3824886.2/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.041+/-0.013 χ^2/NDF:17.3/11

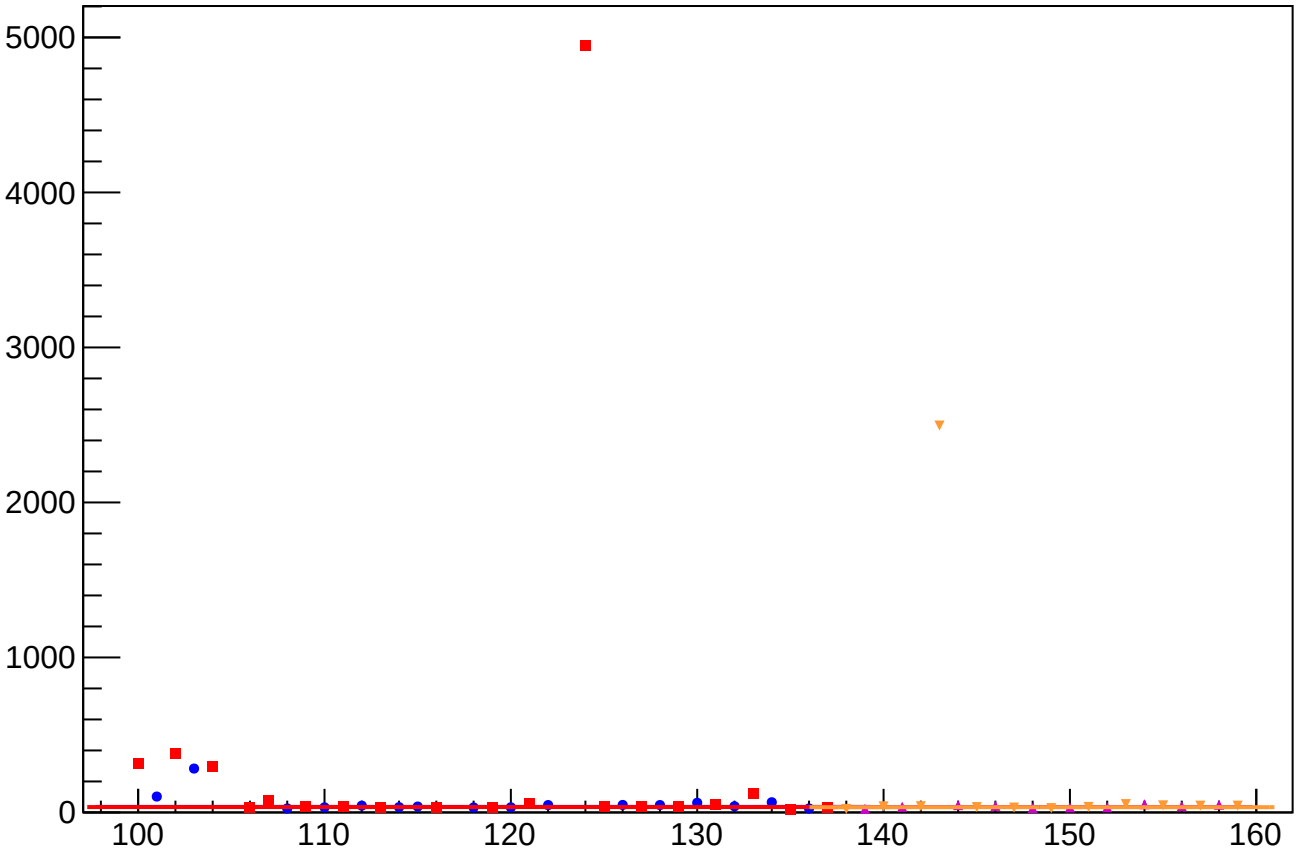
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.009+/-0.007 χ^2/NDF: 61.3/56

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526288.4/11

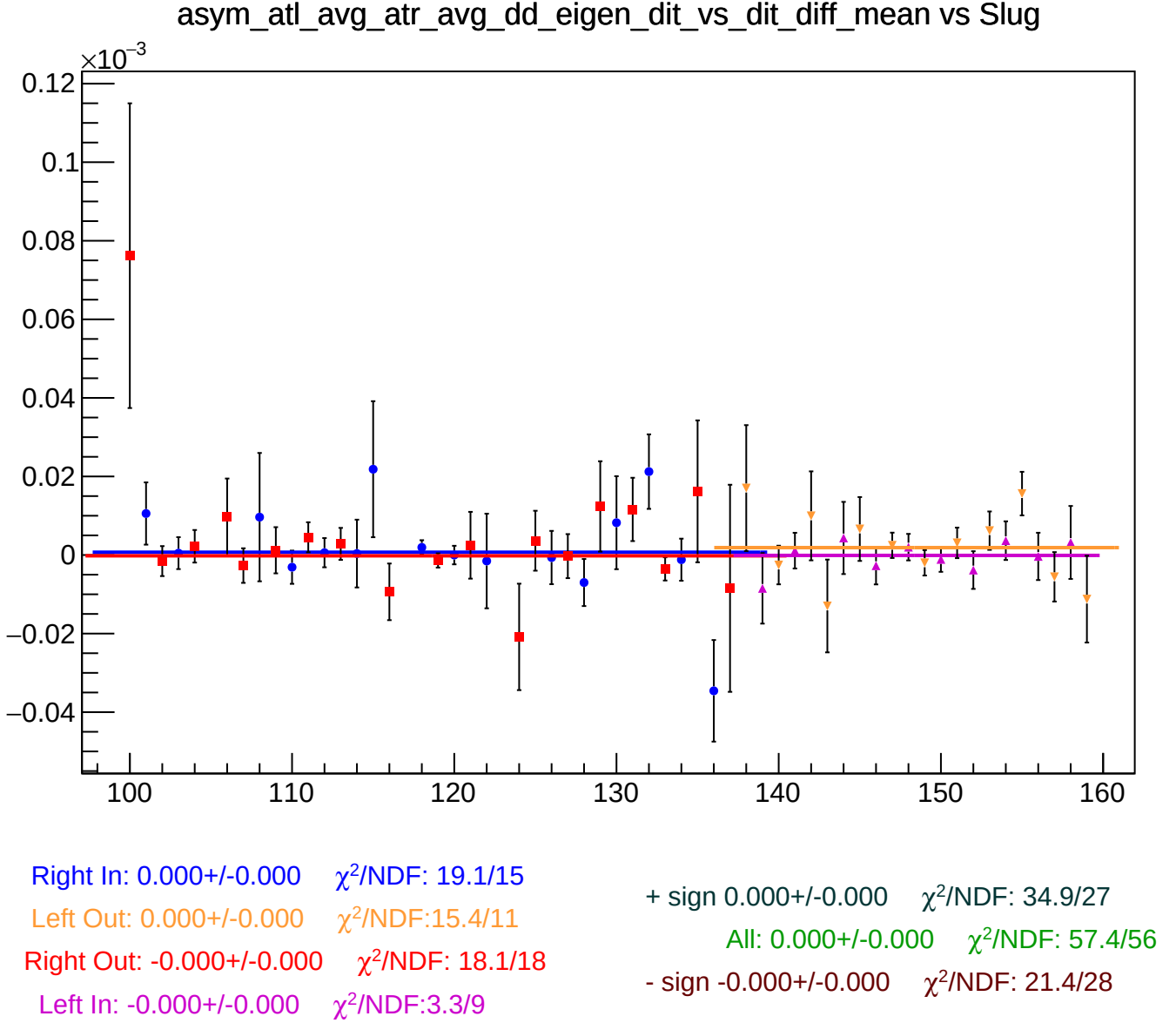
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

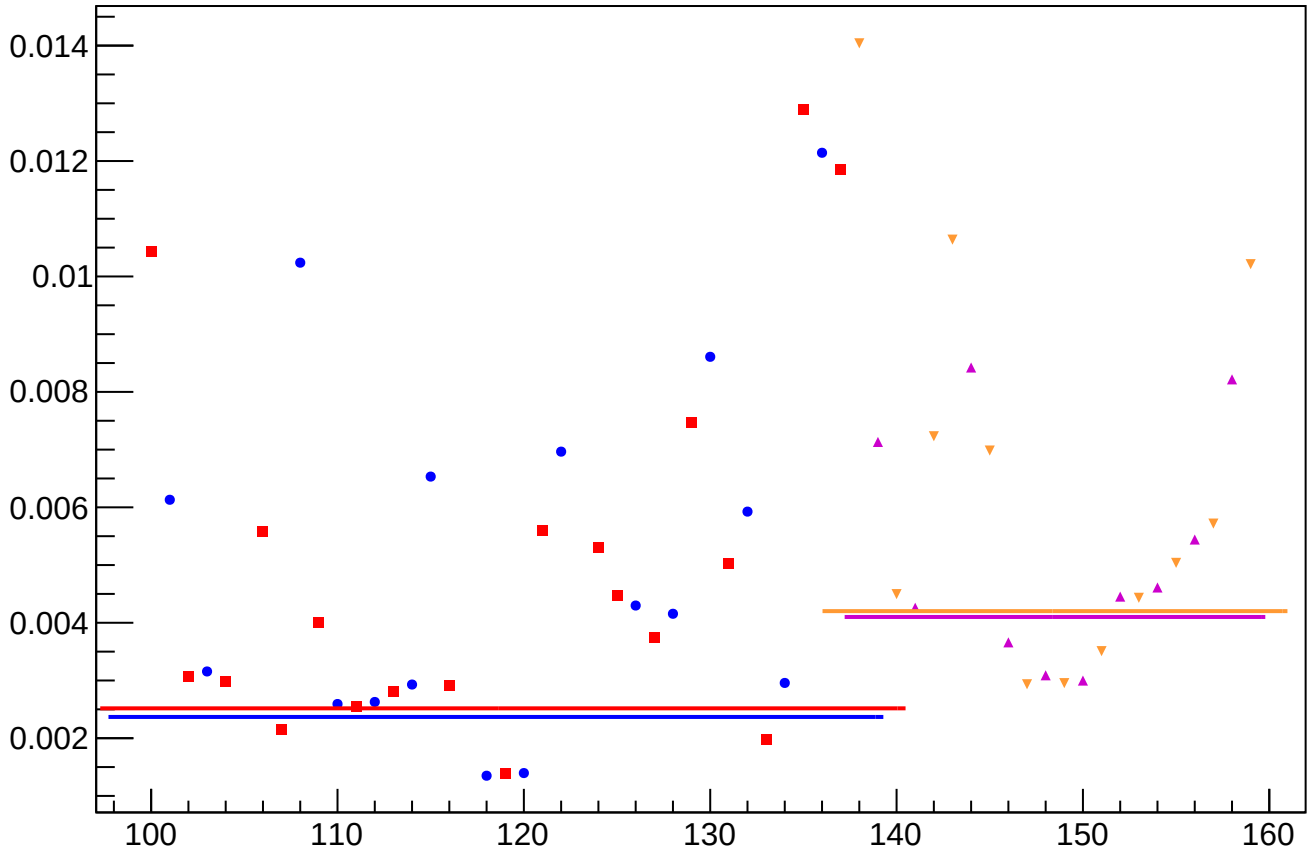
Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

\+ sign 34.657+/-0.007 χ^2/NDF: 4807506.1/27

All: 34.834+/-0.005 χ^2/NDF: 8633731.7/56

\- sign 35.020+/-0.007 χ^2/NDF: 3824886.2/28


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:3.3/9
+ sign 0.000+/-0.000 χ²/NDF: 34.9/27
All: 0.000+/-0.000 χ²/NDF: 57.4/56
- sign -0.000+/-0.000 χ²/NDF: 21.4/28



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3160270.0/11

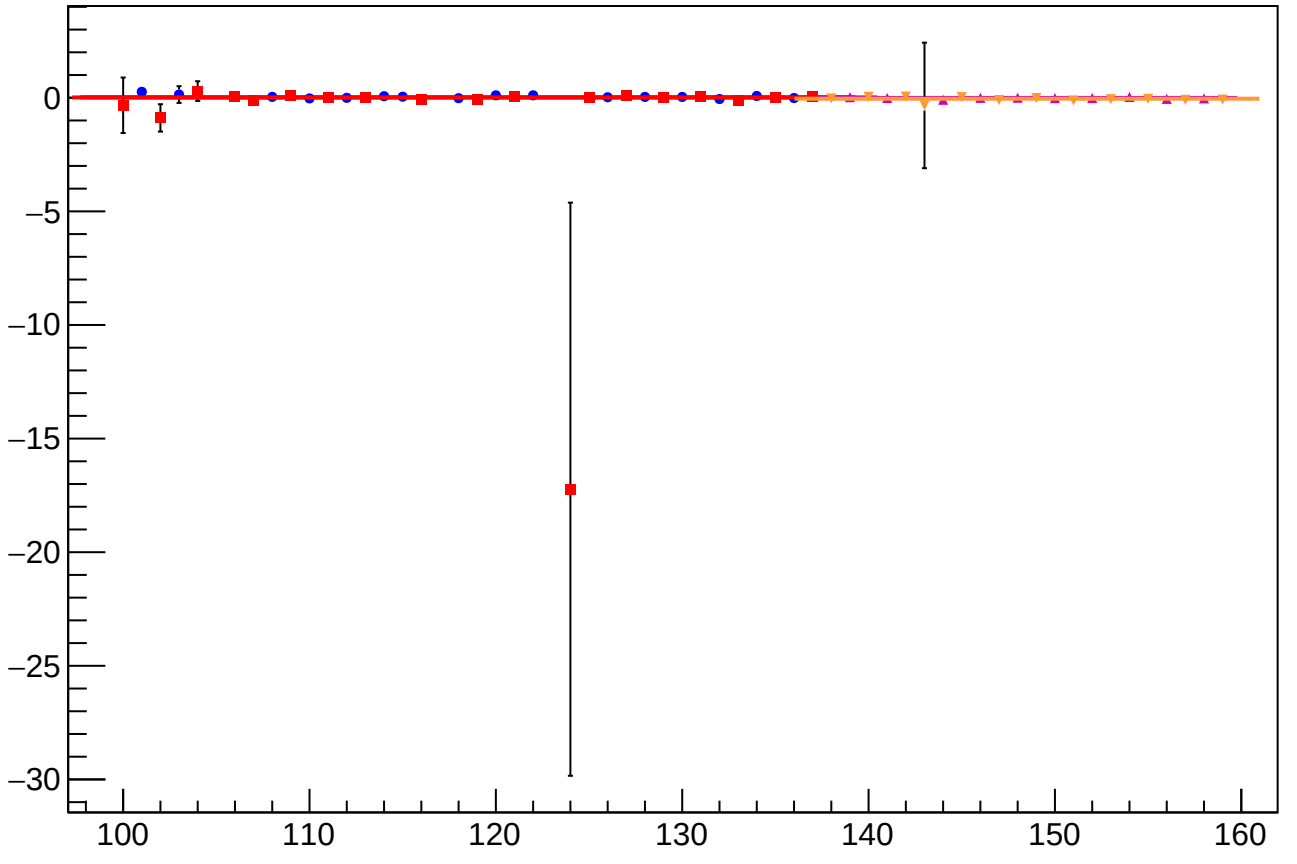
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1636698.2/9

+ sign 0.003+/-0.000 χ^2/NDF: 9807670.0/27

All: 0.003+/-0.000 χ^2/NDF: 16288226.9/56

- sign 0.003+/-0.000 χ^2/NDF: 6479847.9/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.041+/-0.013 χ^2/NDF:17.3/11

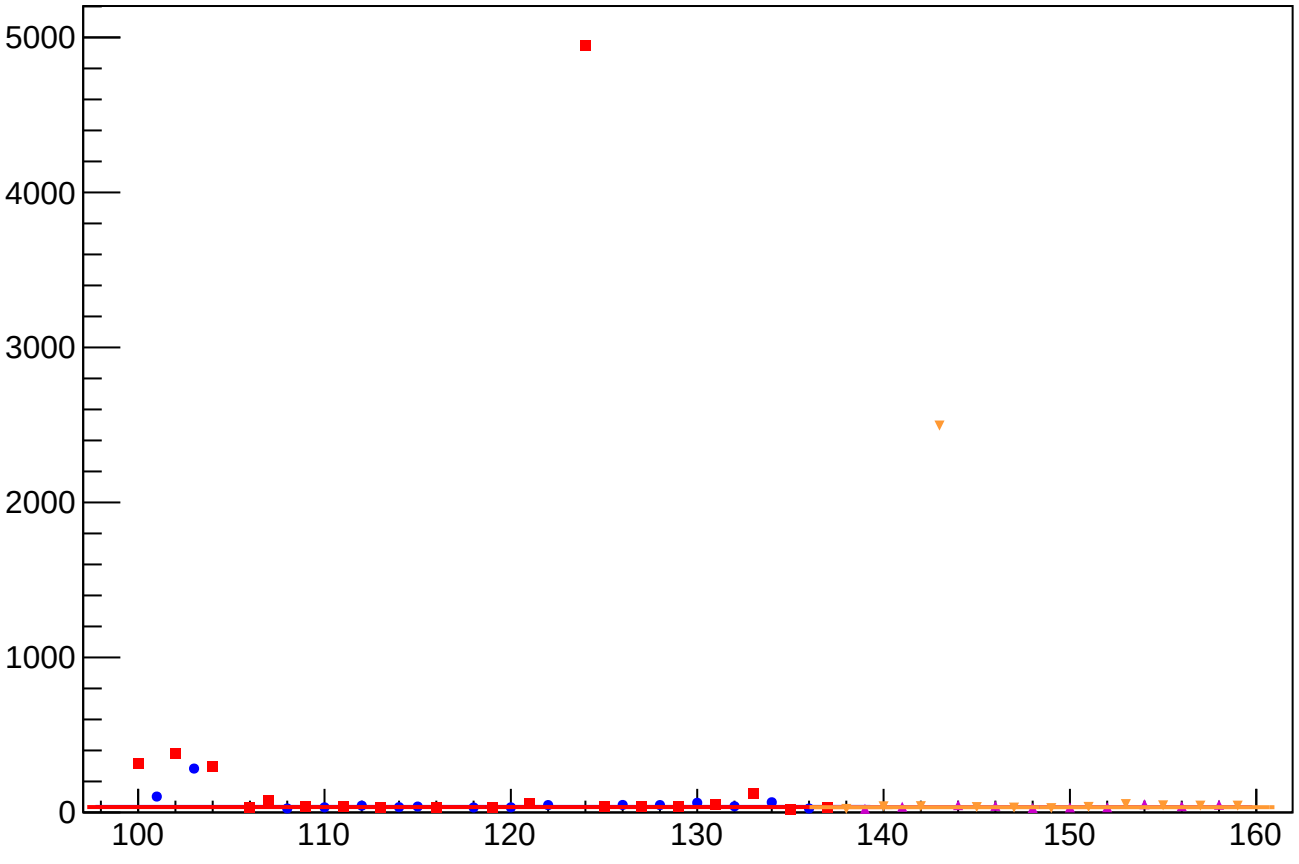
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.009+/-0.007 χ^2/NDF: 61.3/56

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526621.8/11

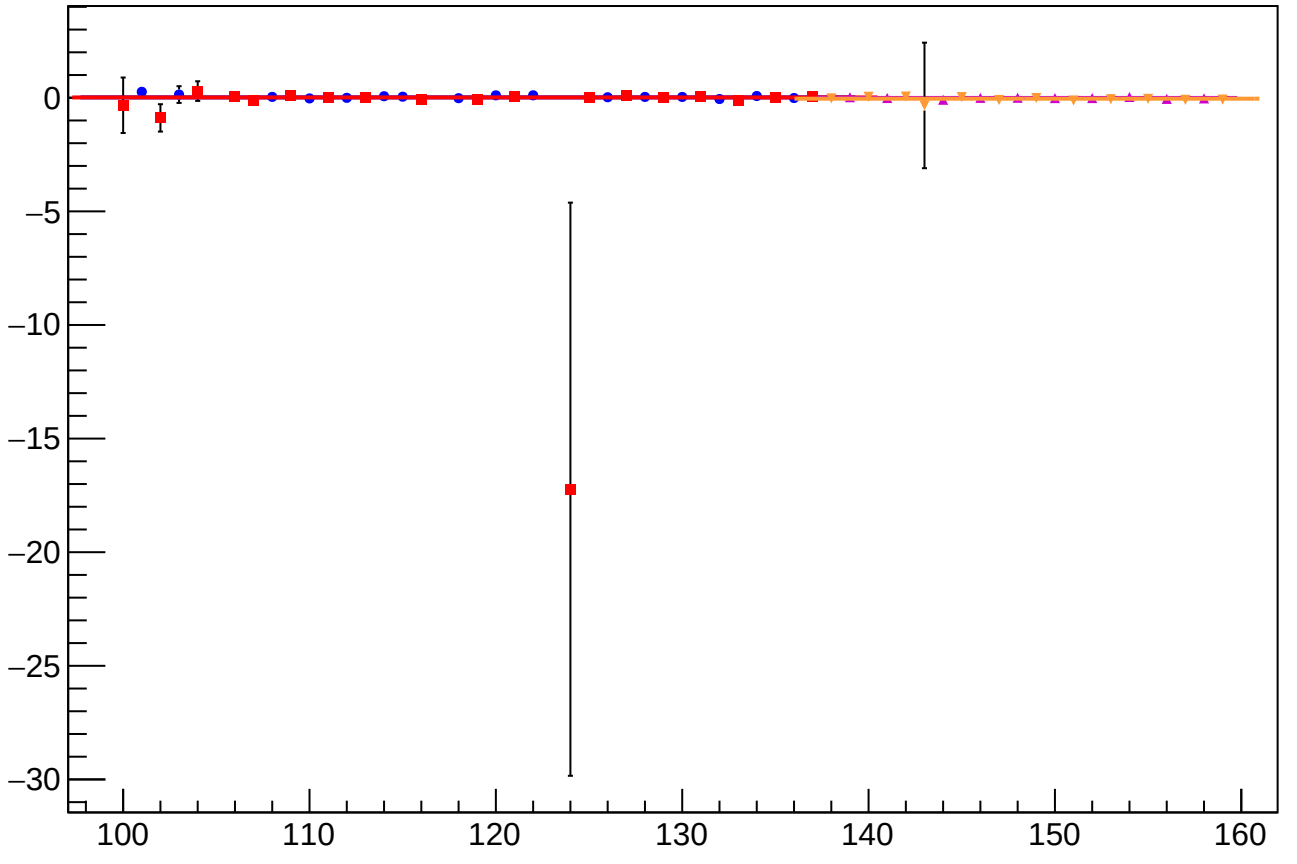
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

\+ sign 34.658+/-0.007 χ^2/NDF: 4807588.2/27

All: 34.834+/-0.005 χ^2/NDF: 8634161.8/56

\- sign 35.020+/-0.007 χ^2/NDF: 3825243.1/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.041+/-0.013 χ^2/NDF:17.3/11

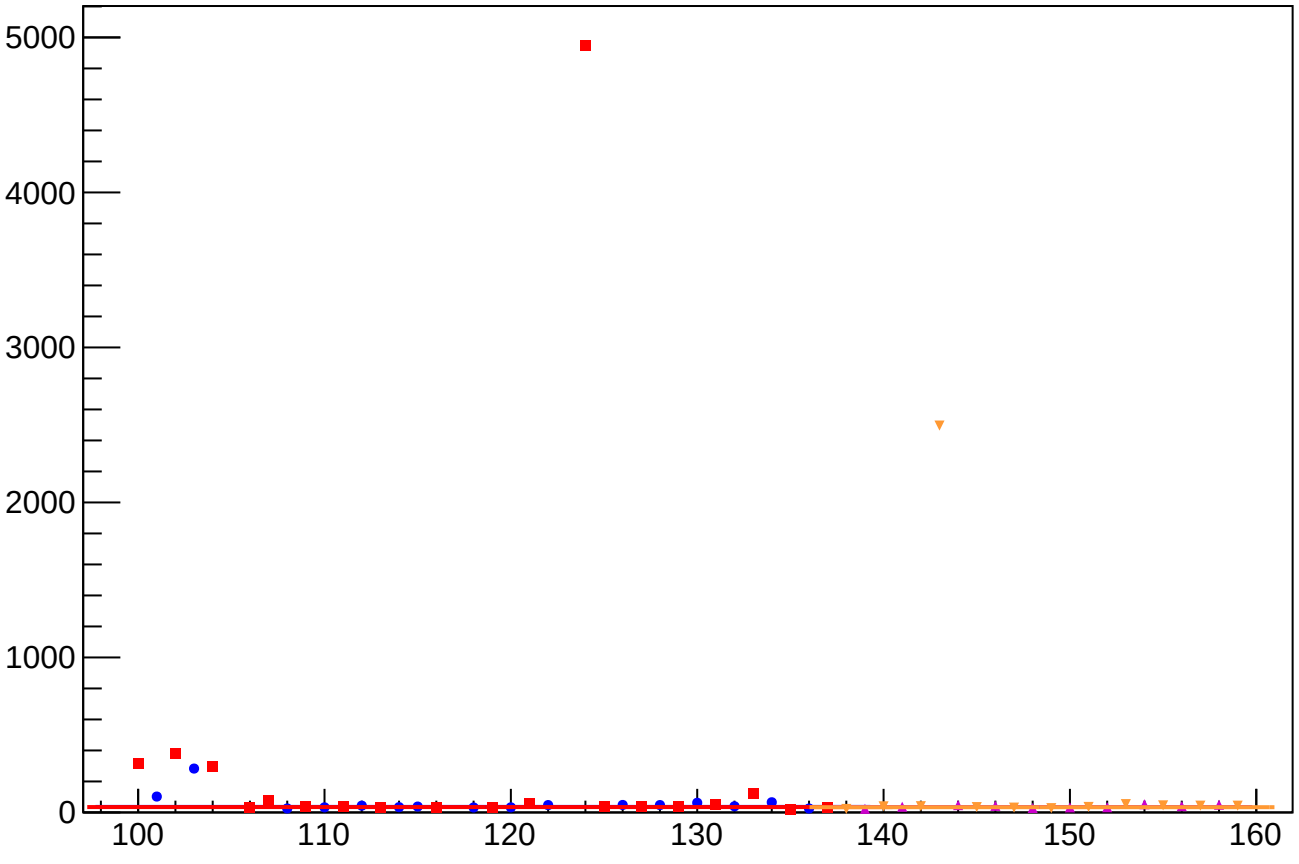
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.009+/-0.007 χ^2/NDF: 61.3/56

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526621.8/11

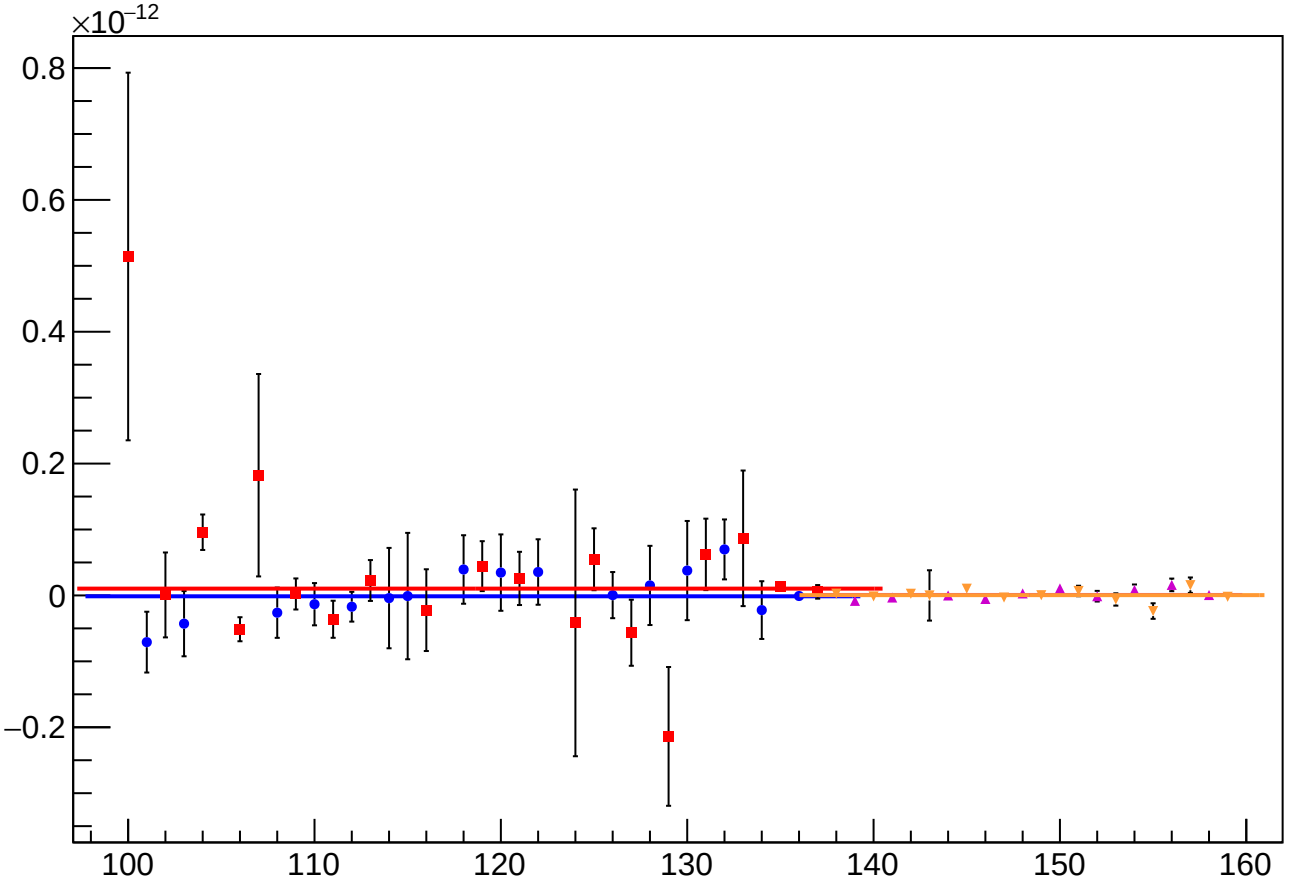
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

\+ sign 34.658+/-0.007 χ^2/NDF: 4807588.2/27

All: 34.834+/-0.005 χ^2/NDF: 8634161.8/56

\- sign 35.020+/-0.007 χ^2/NDF: 3825243.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/11

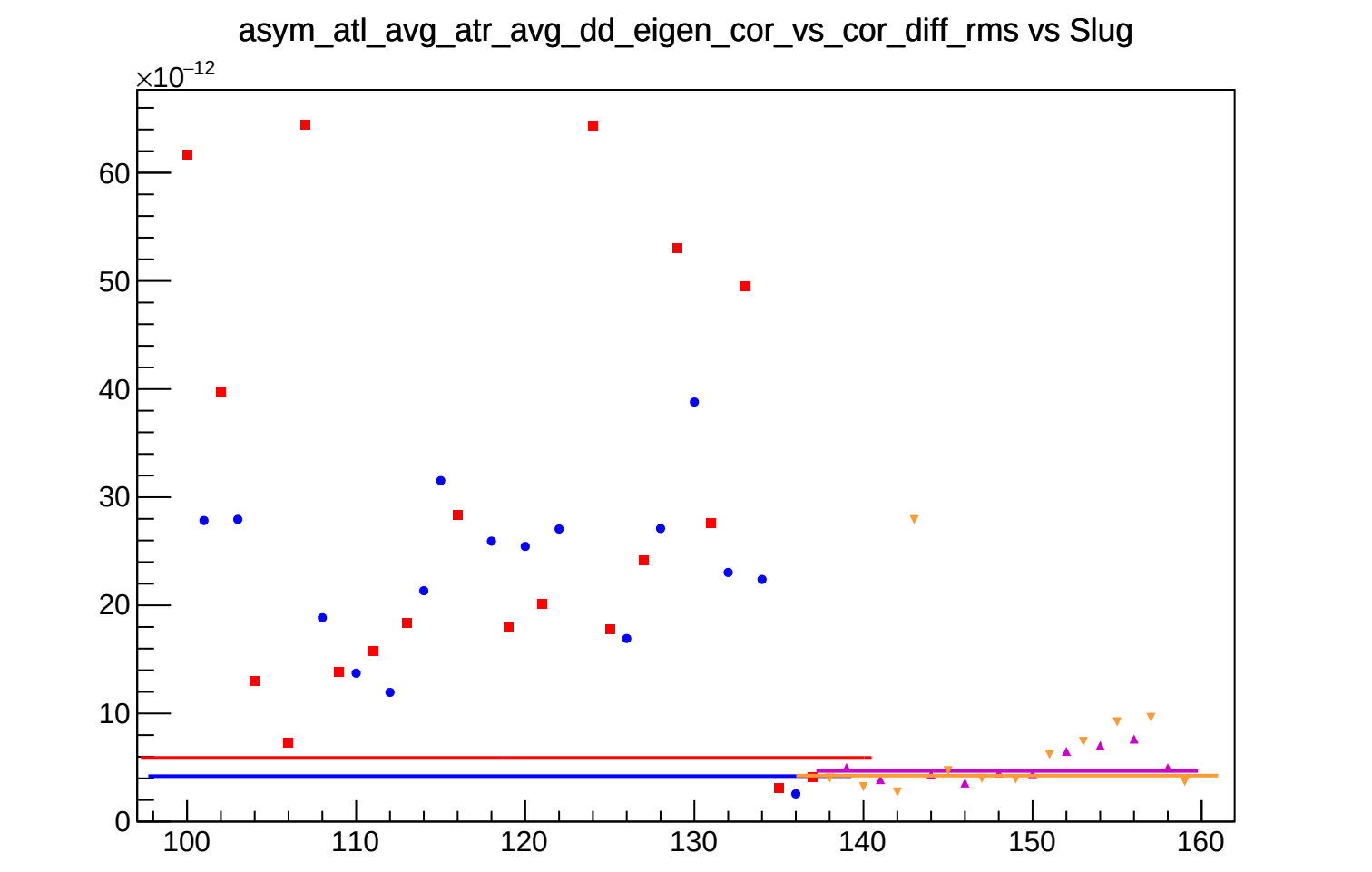
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 19.4/27

All: 0.000+/-0.000 χ^2/NDF: 75.6/56

- sign 0.000+/-0.000 χ^2/NDF: 55.3/28



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

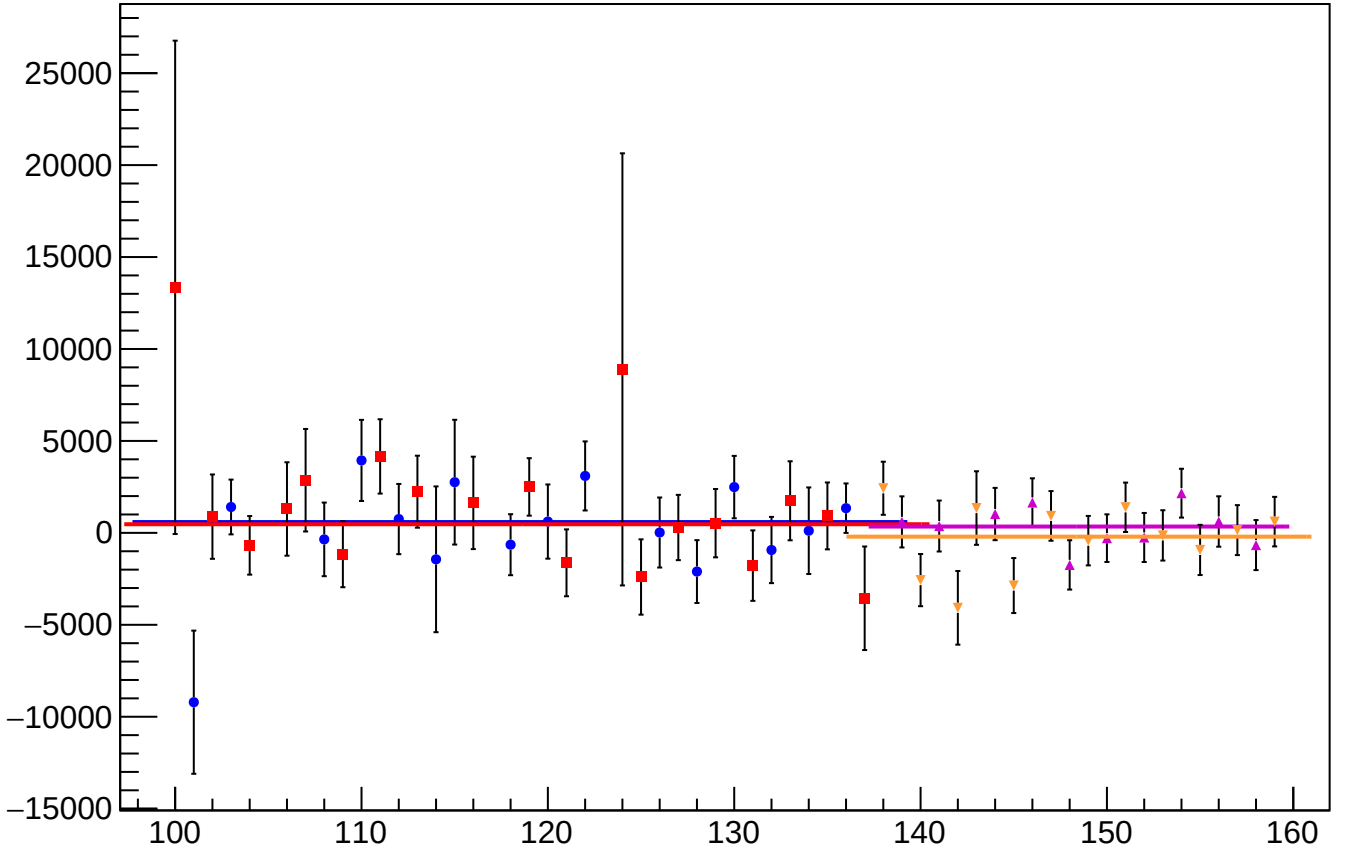
Left In: 0.000+/-0.000 χ^2/NDF:634805.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 7330131.5/27

All: 0.000+/-0.000 χ^2/NDF: 13117202.2/56

- sign 0.000+/-0.000 χ^2/NDF: 5632521.1/28

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

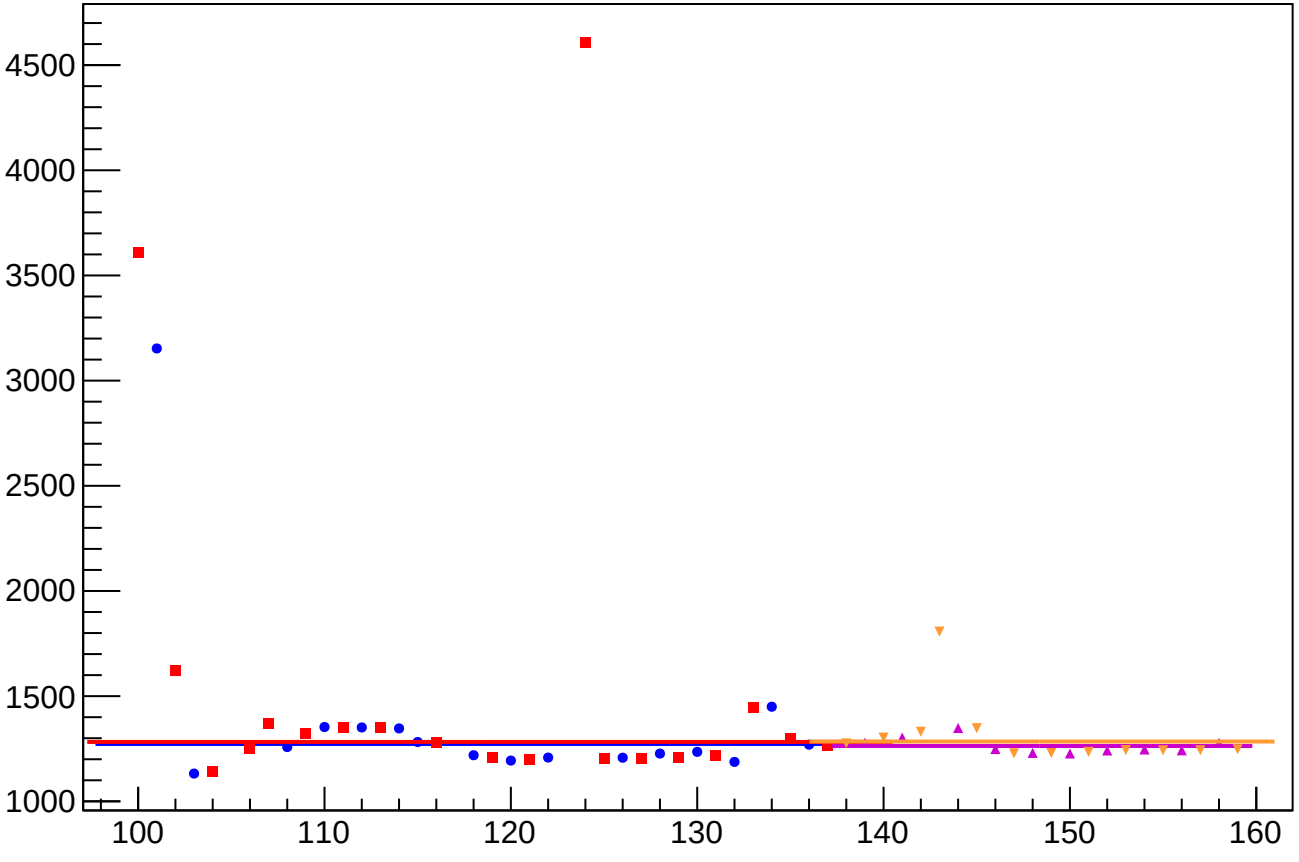
Left In: 343.703+/-427.742 χ^2/NDF:6.6/9

+ sign 133.290+/-315.629 χ^2/NDF: 35.1/27

All: 264.578+/-224.538 χ^2/NDF: 58.9/56

- sign 399.101+/-319.495 χ^2/NDF: 23.5/28

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

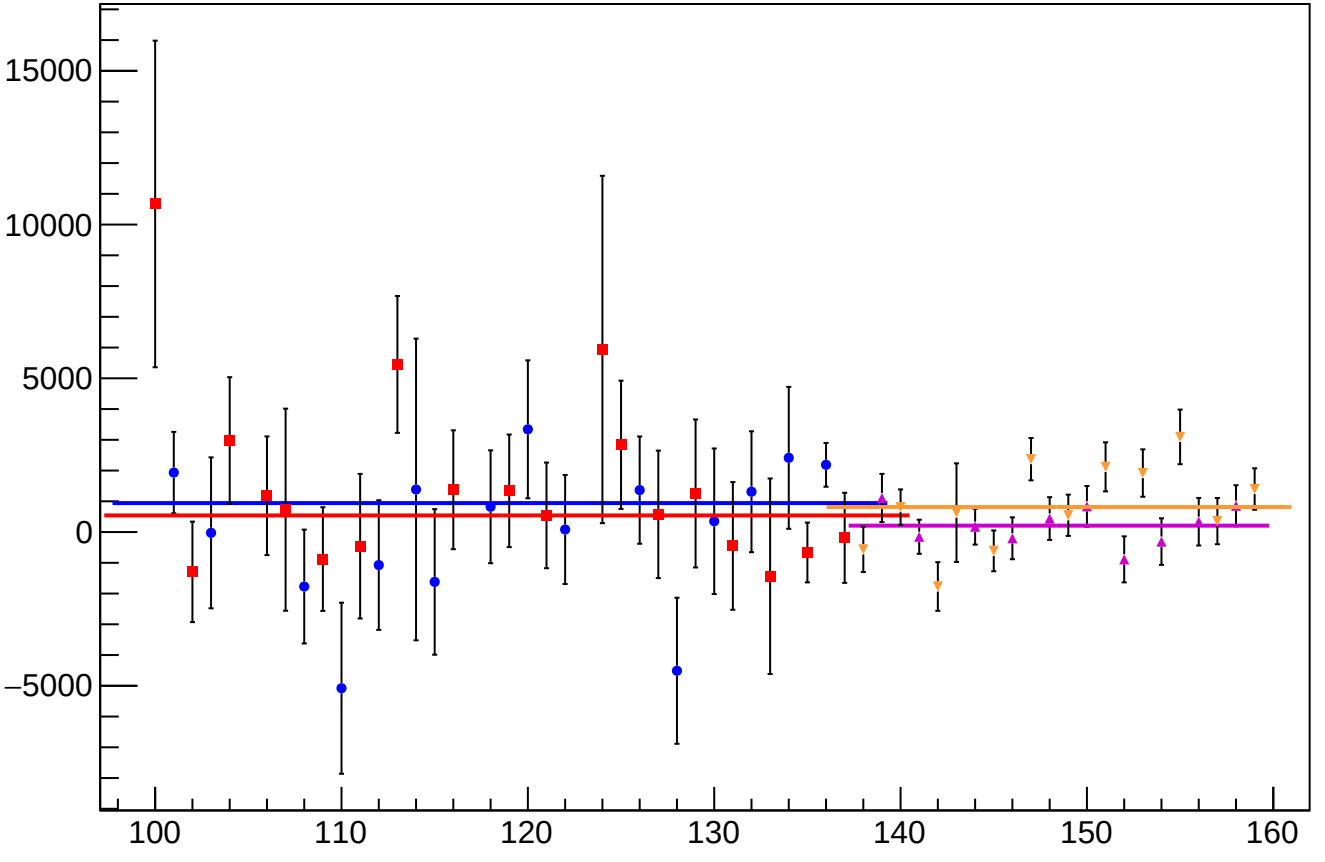
Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1279.384+/-0.223 χ^2/NDF: 677992.0/27

All: 1275.510+/-0.159 χ^2/NDF: 1016117.0/56

- sign 1271.541+/-0.226 χ^2/NDF: 337515.1/28

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

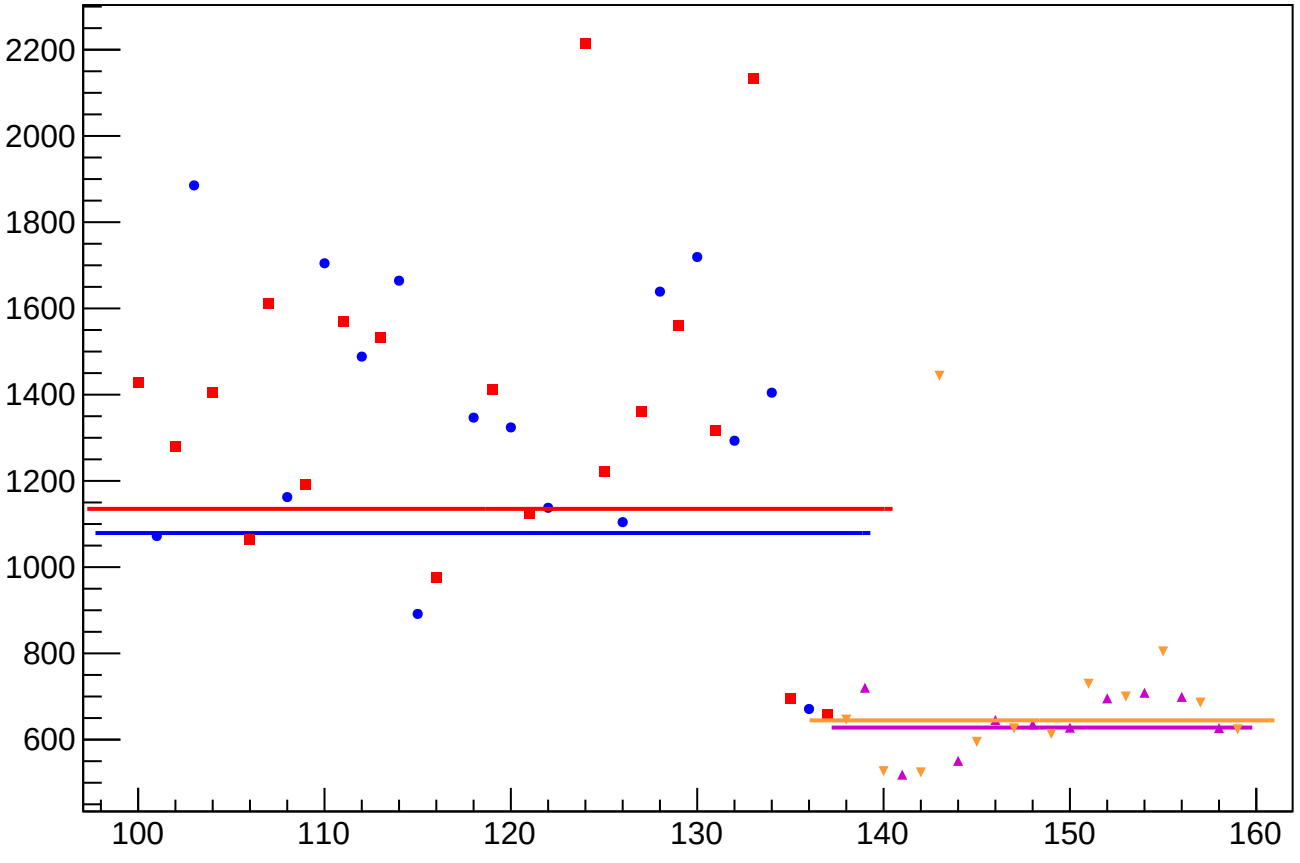
Left In: 208.554+/-214.349 χ^2/NDF:6.7/9

+ sign 839.772+/-190.945 χ^2/NDF: 56.5/27

All: 558.602+/-135.632 χ^2/NDF: 85.2/56

- sign 272.268+/-192.691 χ^2/NDF: 24.3/28

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

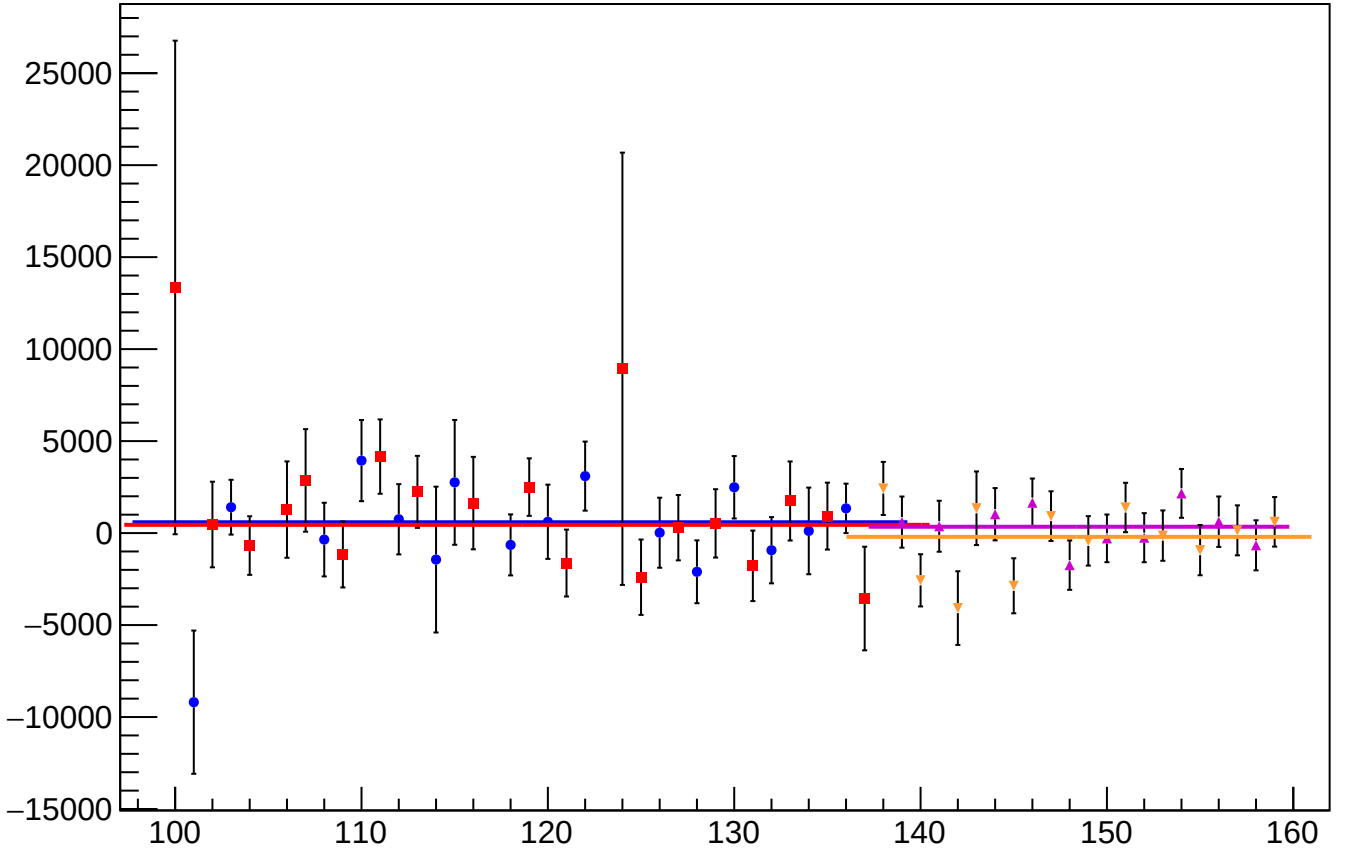
Left In: 627.946+/-0.152 χ^2/NDF:198007.2/9

+ sign 732.006+/-0.135 χ^2/NDF: 3895182.3/27

All: 728.666+/-0.096 χ^2/NDF: 7536215.8/56

- sign 725.265+/-0.136 χ^2/NDF: 3639798.4/28

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

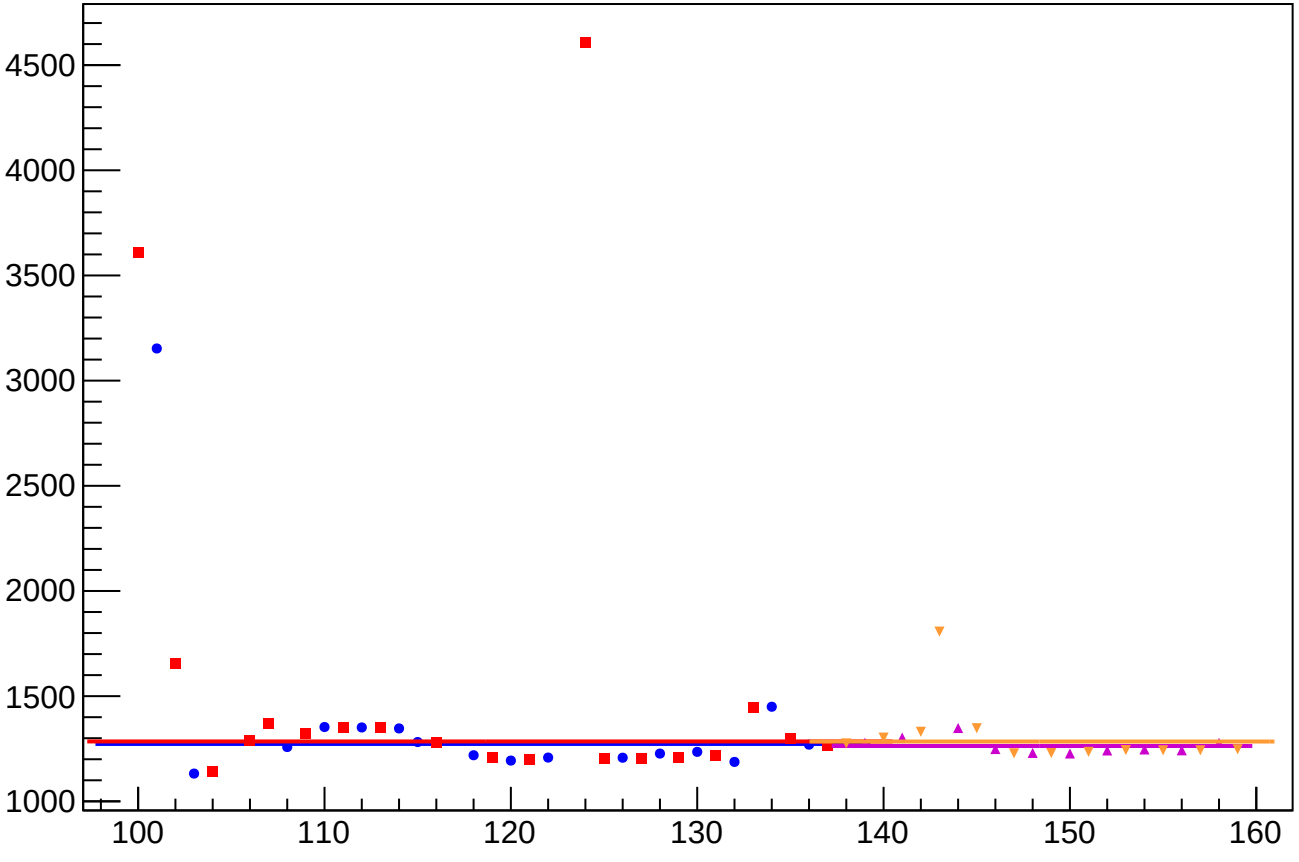
Left In: 343.688+/-427.742 χ^2/NDF:6.6/9

+ sign 133.351+/-315.629 χ^2/NDF: 35.1/27

All: 259.967+/-224.621 χ^2/NDF: 58.8/56

- sign 389.898+/-319.735 χ^2/NDF: 23.4/28

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

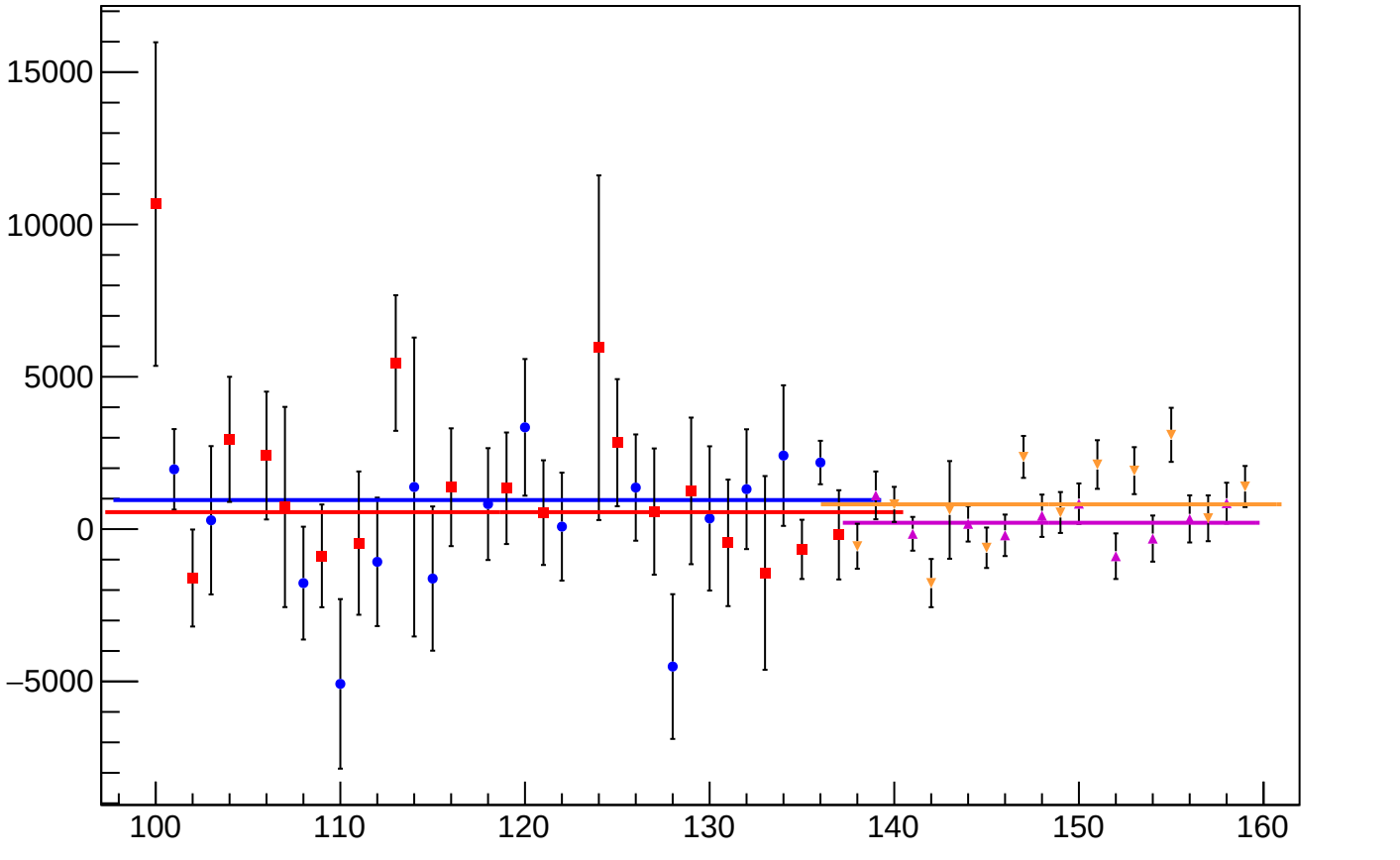
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1279.384+/-0.223 χ^2/NDF: 677993.5/27

All: 1276.004+/-0.159 χ^2/NDF: 1023079.9/56

- sign 1272.535+/-0.226 χ^2/NDF: 344621.7/28



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 814.035+/-213.627 χ^2/NDF:36.5/11

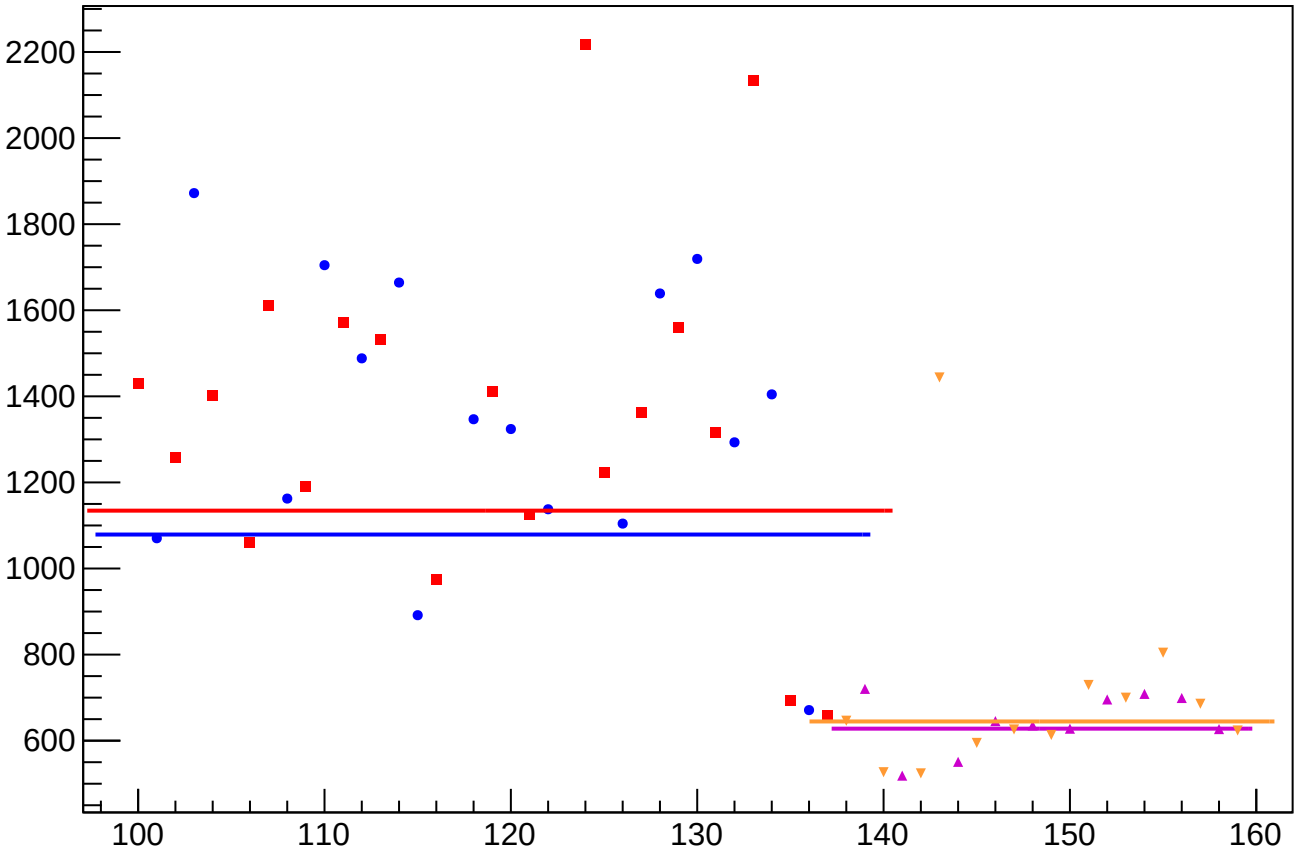
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 208.524+/-214.348 χ^2/NDF:6.7/9

\+ sign 842.225+/-190.931 χ^2/NDF: 56.4/27

All: 561.495+/-135.651 χ^2/NDF: 86.4/56

\- sign 275.355+/-192.762 χ^2/NDF: 25.6/28



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

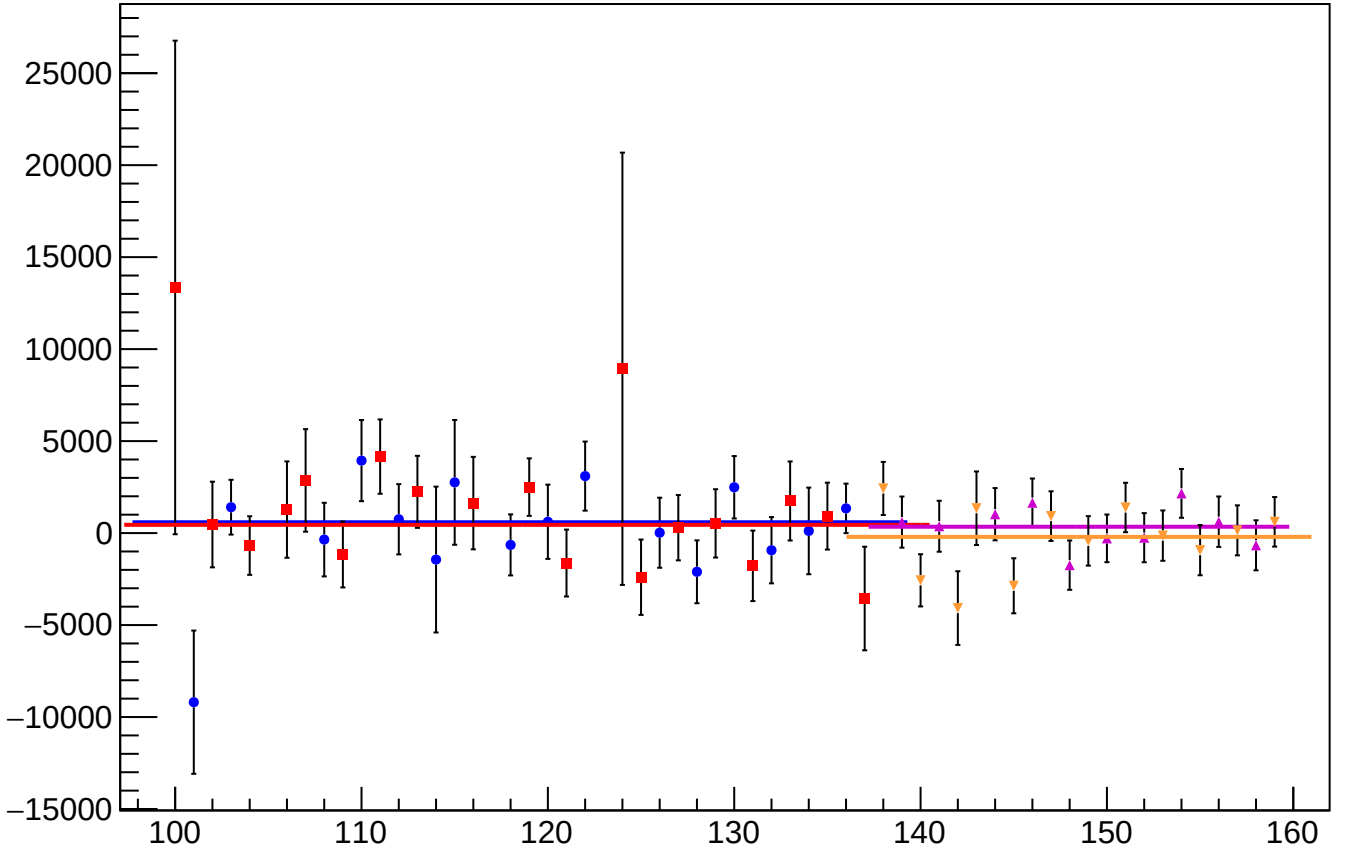
Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

\+ sign 732.032+/-0.135 χ^2/NDF: 3891184.7/27

All: 728.459+/-0.096 χ^2/NDF: 7515366.1/56

\- sign 724.817+/-0.136 χ^2/NDF: 3622766.9/28

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

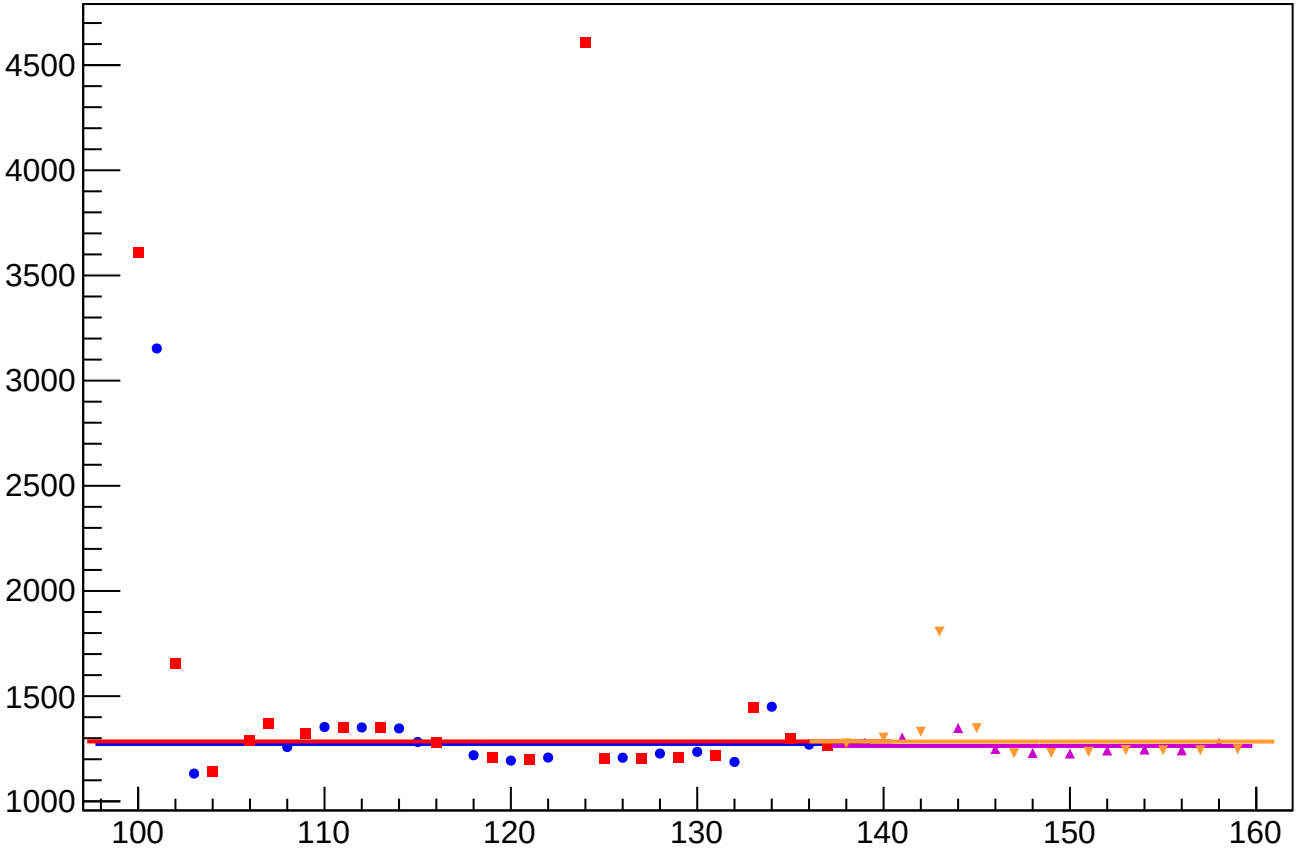
Left In: 343.688+/-427.742 χ^2/NDF:6.6/9

+ sign 133.351+/-315.629 χ^2/NDF: 35.1/27

All: 259.967+/-224.621 χ^2/NDF: 58.8/56

- sign 389.898+/-319.735 χ^2/NDF: 23.4/28

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

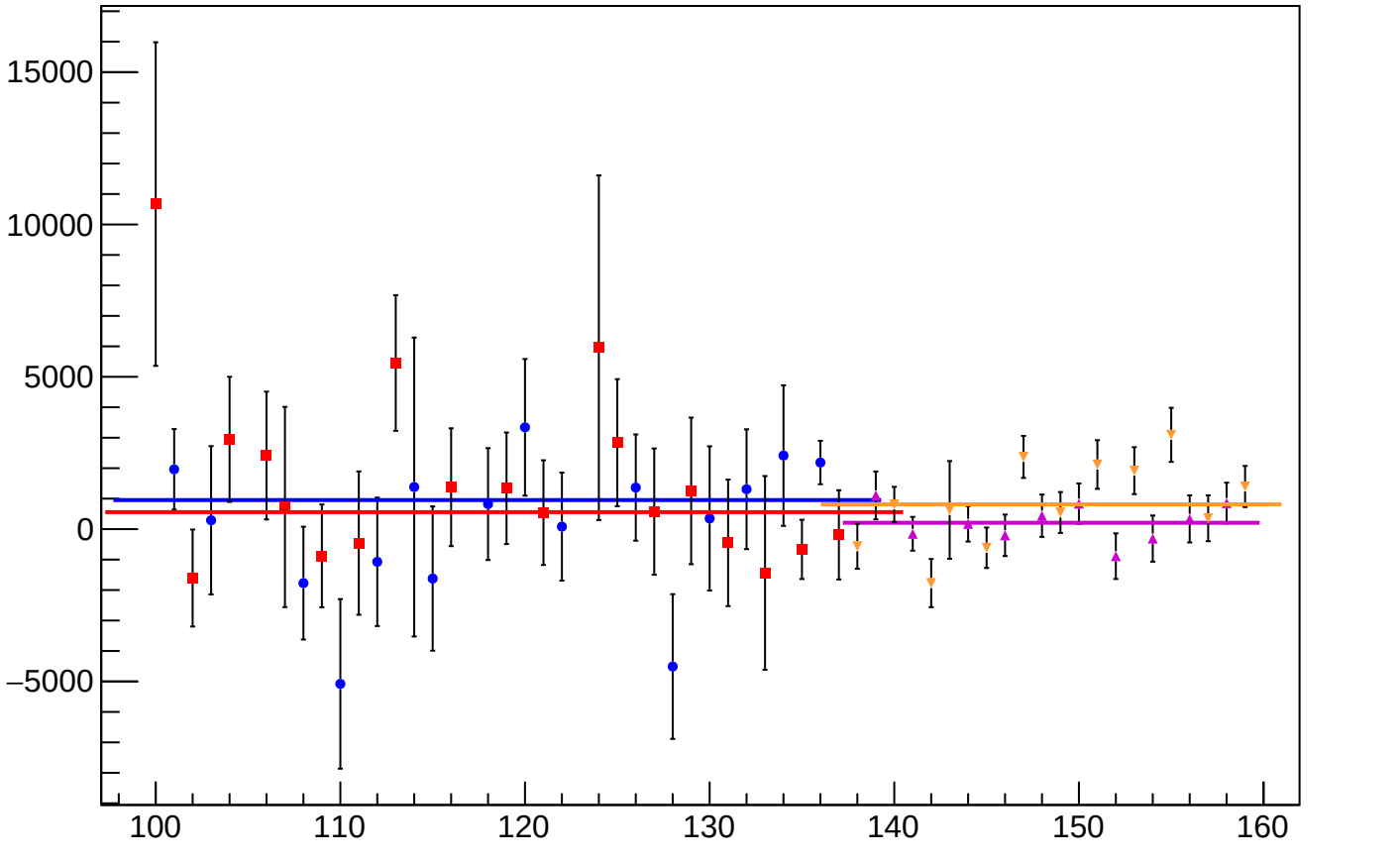
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1279.384+/-0.223 χ^2/NDF: 677993.5/27

All: 1276.004+/-0.159 χ^2/NDF: 1023079.9/56

- sign 1272.535+/-0.226 χ^2/NDF: 344621.7/28



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 814.035+/-213.627 χ^2/NDF:36.5/11

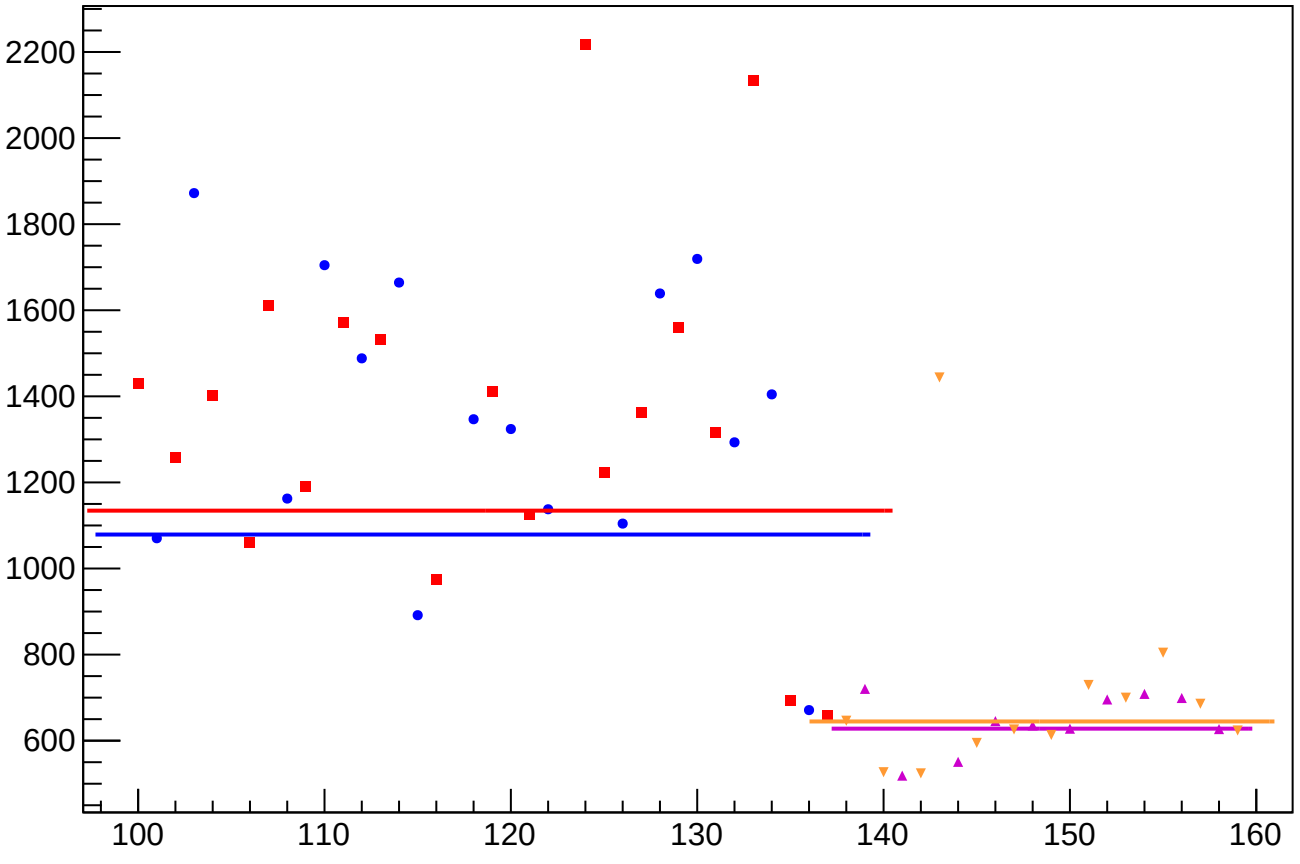
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 208.524+/-214.348 χ^2/NDF:6.7/9

\+ sign 842.225+/-190.931 χ^2/NDF: 56.4/27

All: 561.495+/-135.651 χ^2/NDF: 86.4/56

\- sign 275.355+/-192.762 χ^2/NDF: 25.6/28



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

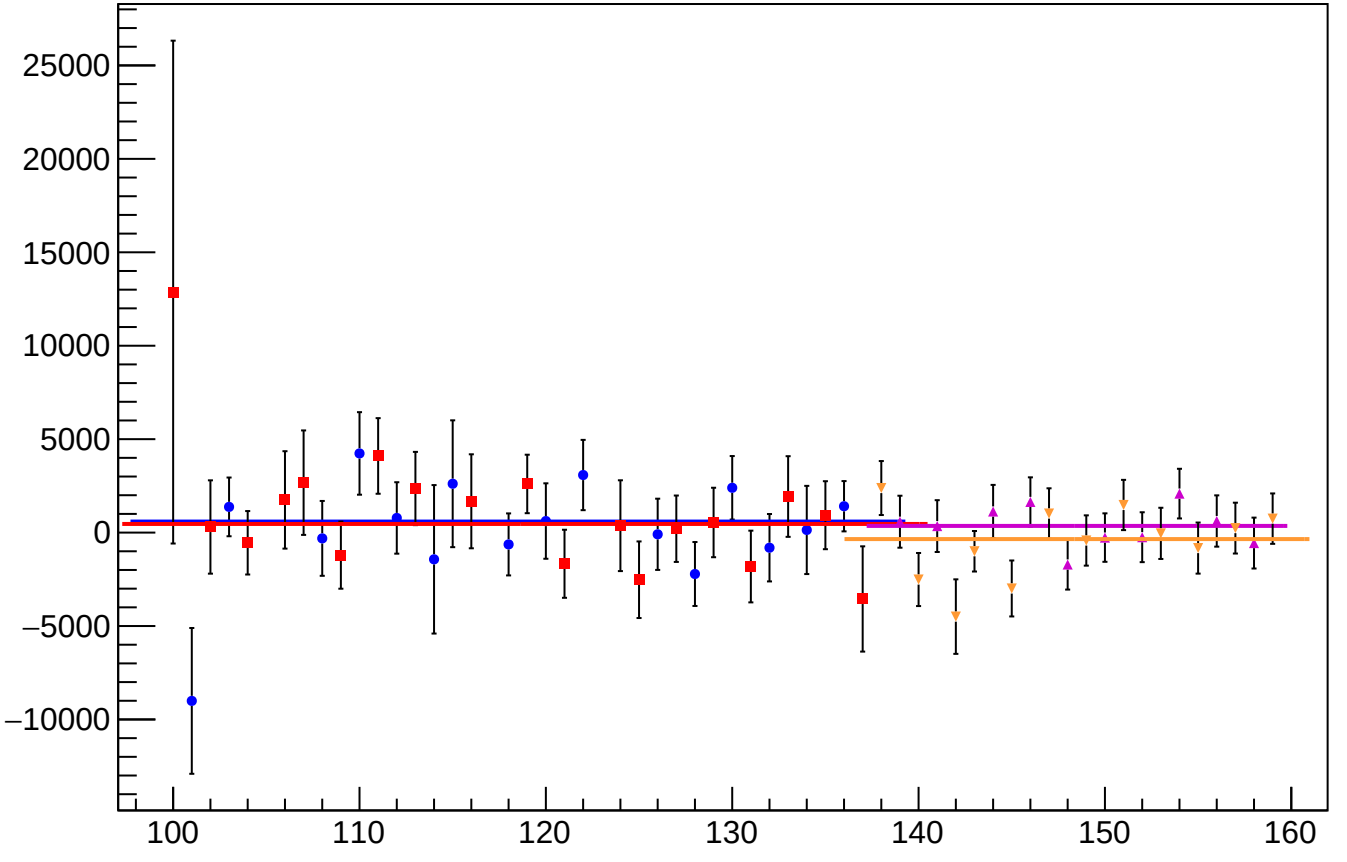
Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

\+ sign 732.032+/-0.135 χ^2/NDF: 3891184.7/27

All: 728.459+/-0.096 χ^2/NDF: 7515366.1/56

\- sign 724.817+/-0.136 χ^2/NDF: 3622766.9/28

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

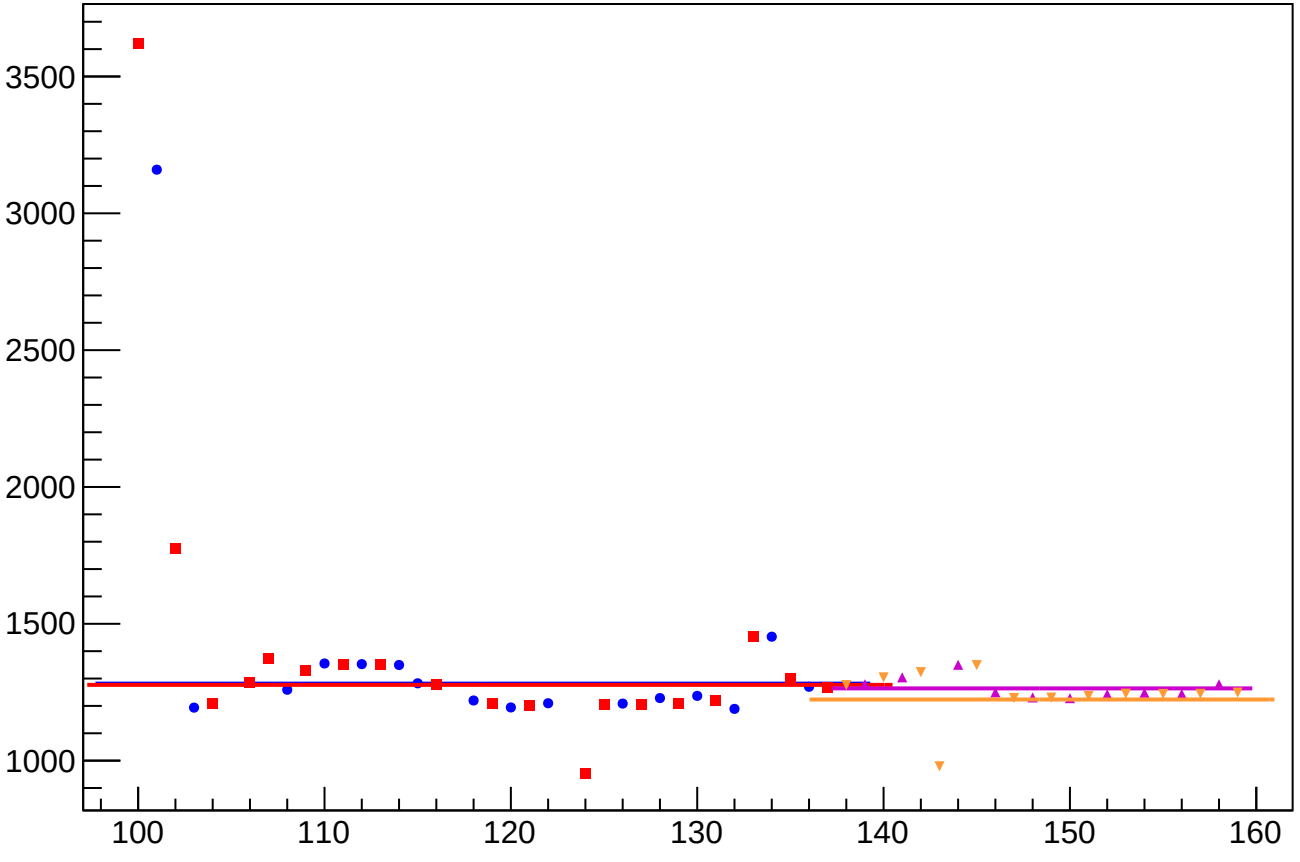
Left In: 357.693+/-428.095 χ^2/NDF:6.3/9

\+ sign 28.778+/-307.459 χ^2/NDF: 36.9/27

All: 210.000+/-221.220 χ^2/NDF: 60.6/56

\- sign 404.520+/-318.539 χ^2/NDF: 23.0/28

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

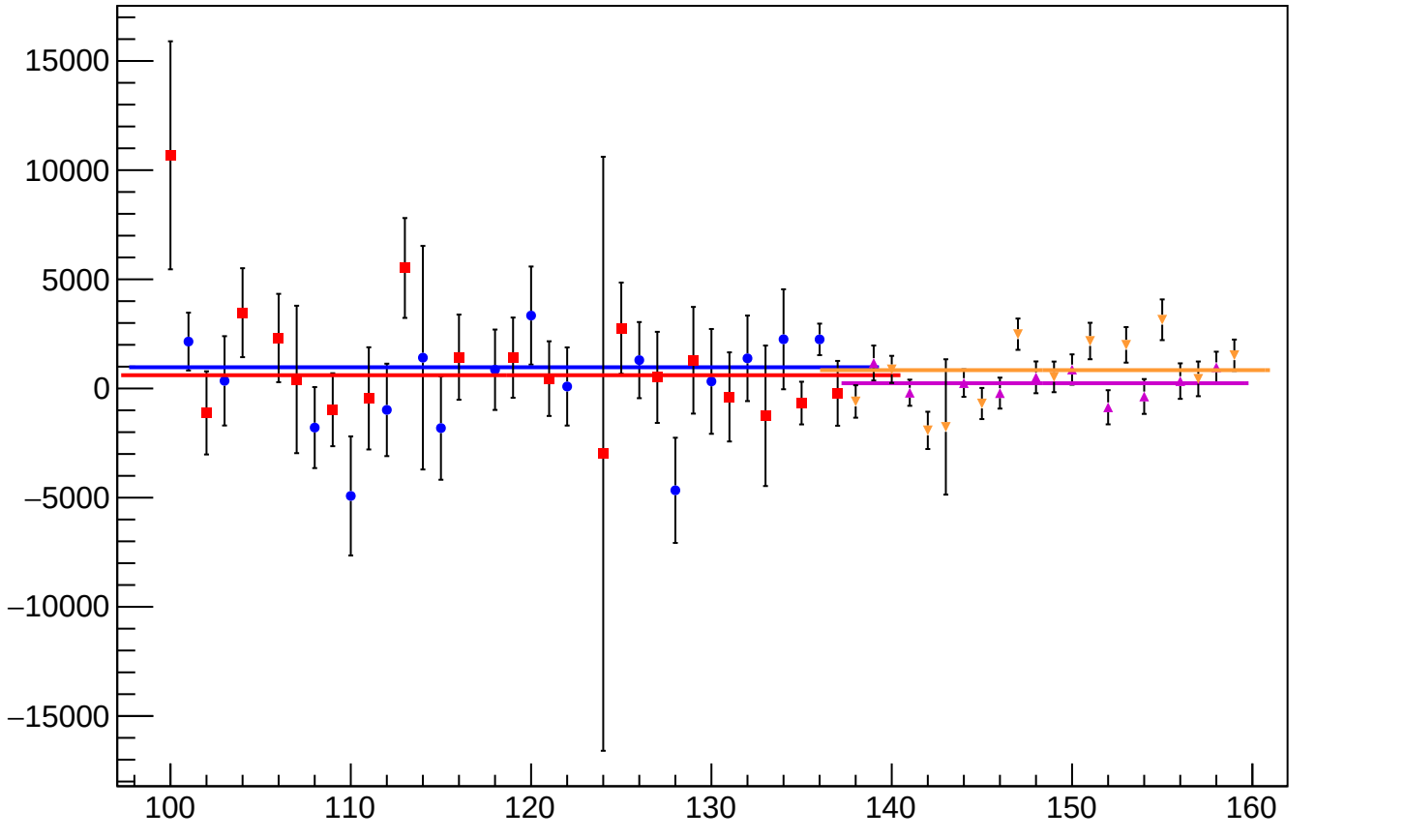
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

+ sign 1246.632+/-0.217 χ^2/NDF: 656197.7/27

All: 1257.777+/-0.156 χ^2/NDF: 896713.1/56

- sign 1269.739+/-0.225 χ^2/NDF: 235066.9/28



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

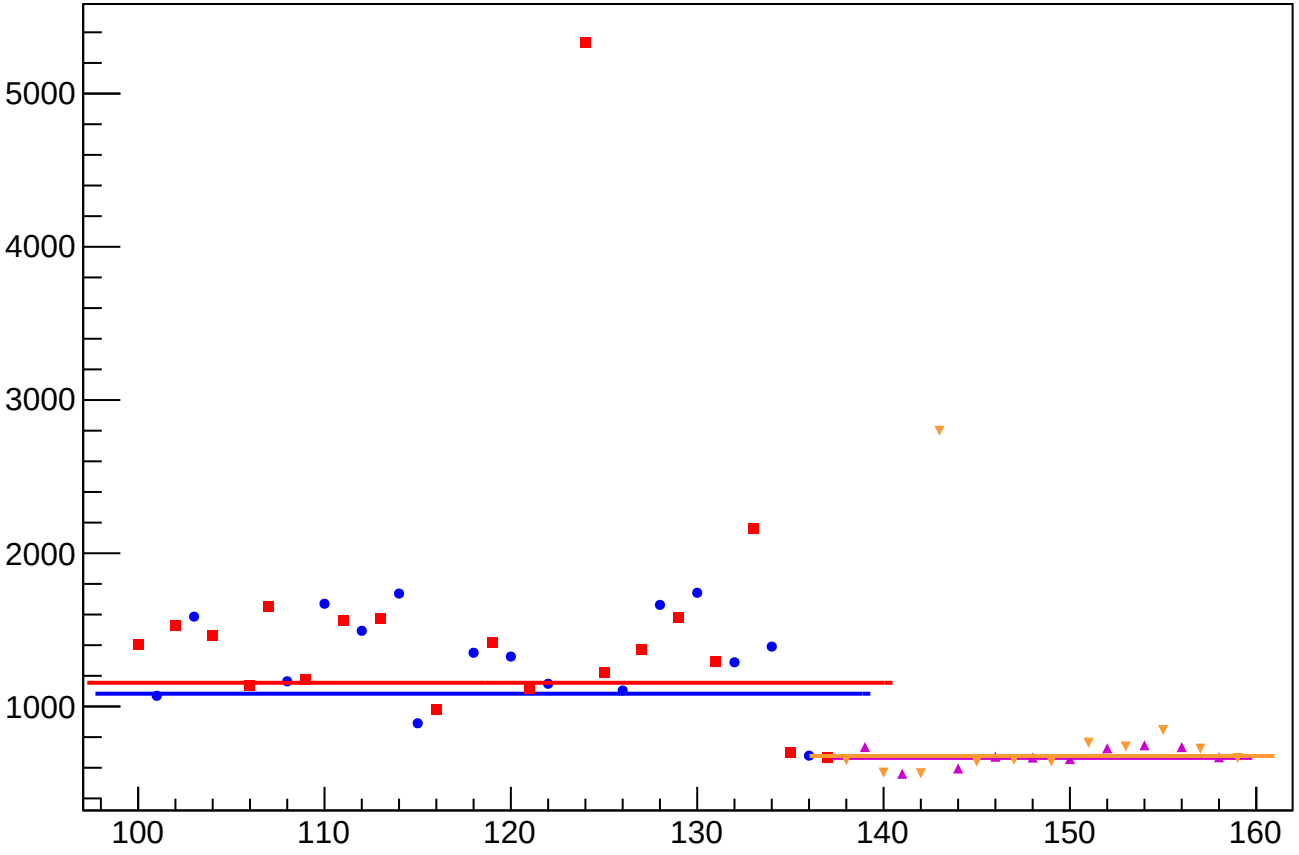
Left In: 240.791+/-226.406 χ^2/NDF:6.9/9

+ sign 869.690+/-200.098 χ^2/NDF: 57.3/27

All: 595.353+/-142.173 χ^2/NDF: 85.6/56

- sign 315.655+/-202.043 χ^2/NDF: 24.5/28

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

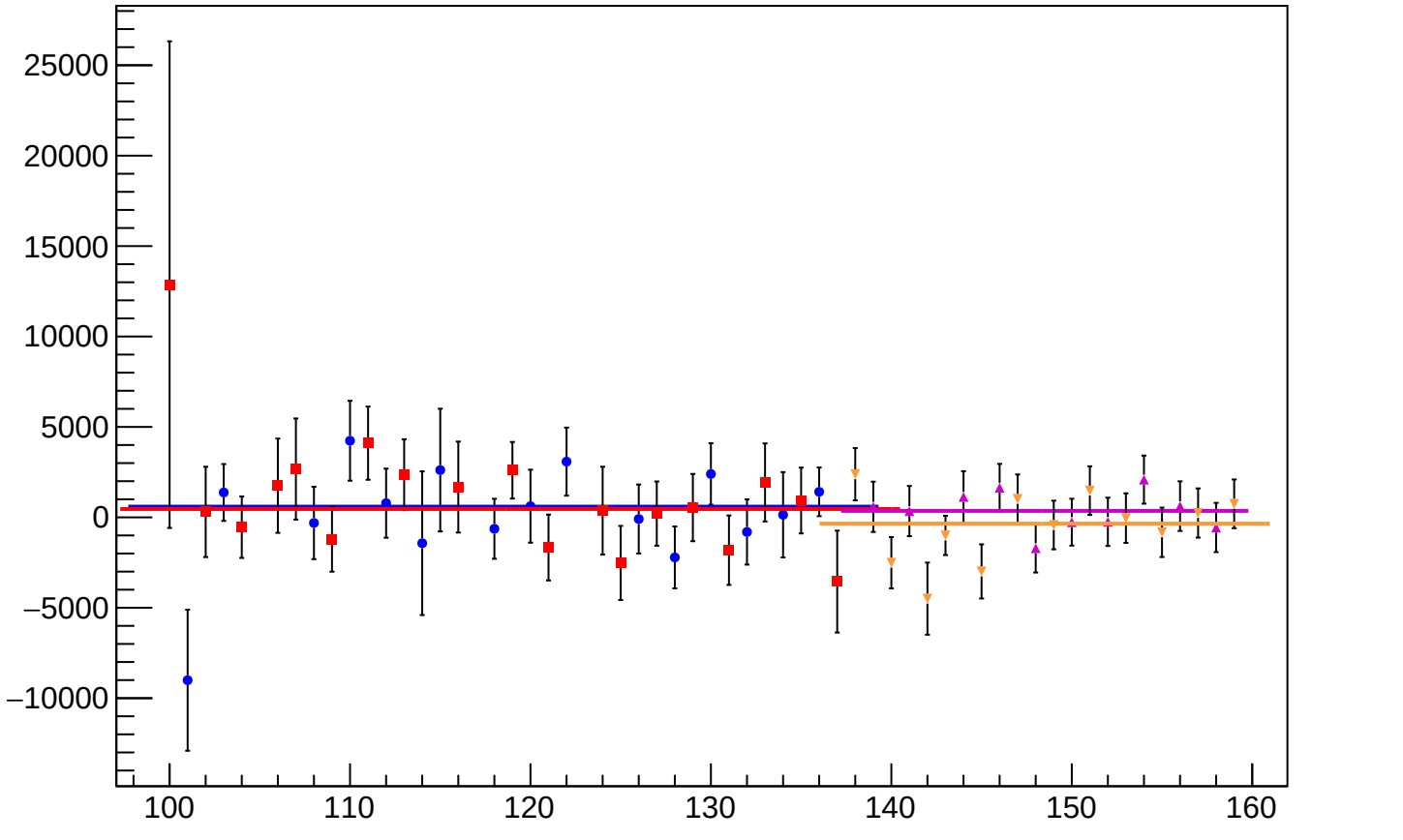
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.408+/-0.160 χ^2/NDF:148962.3/9

+ sign 766.991+/-0.141 χ^2/NDF: 3938238.7/27

All: 765.635+/-0.101 χ^2/NDF: 7485788.6/56

- sign 764.253+/-0.143 χ^2/NDF: 3547364.6/28



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

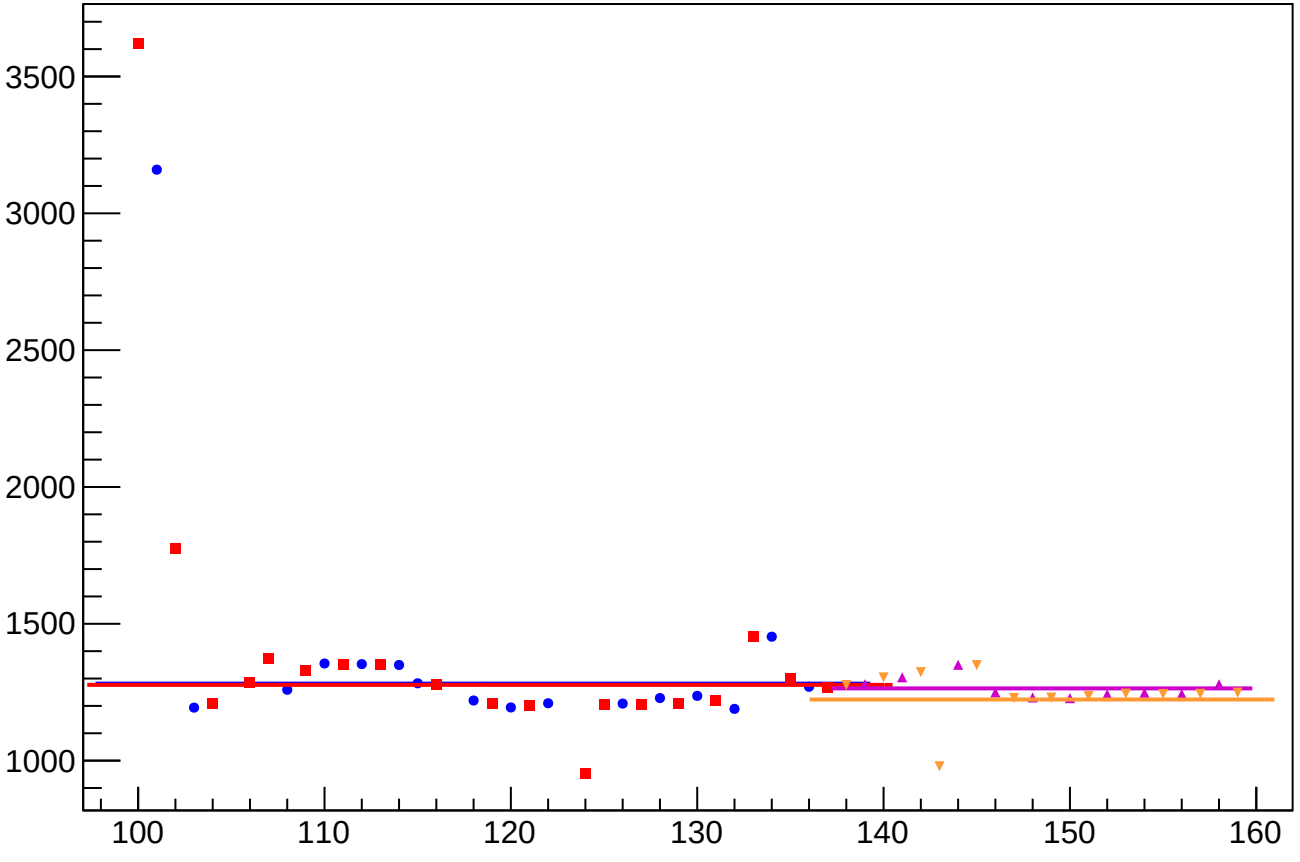
Left In: 357.696+/-428.095 χ^2/NDF:6.3/9

\+ sign 28.778+/-307.459 χ^2/NDF: 36.9/27

All: 210.001+/-221.220 χ^2/NDF: 60.6/56

\- sign 404.521+/-318.539 χ^2/NDF: 23.0/28

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

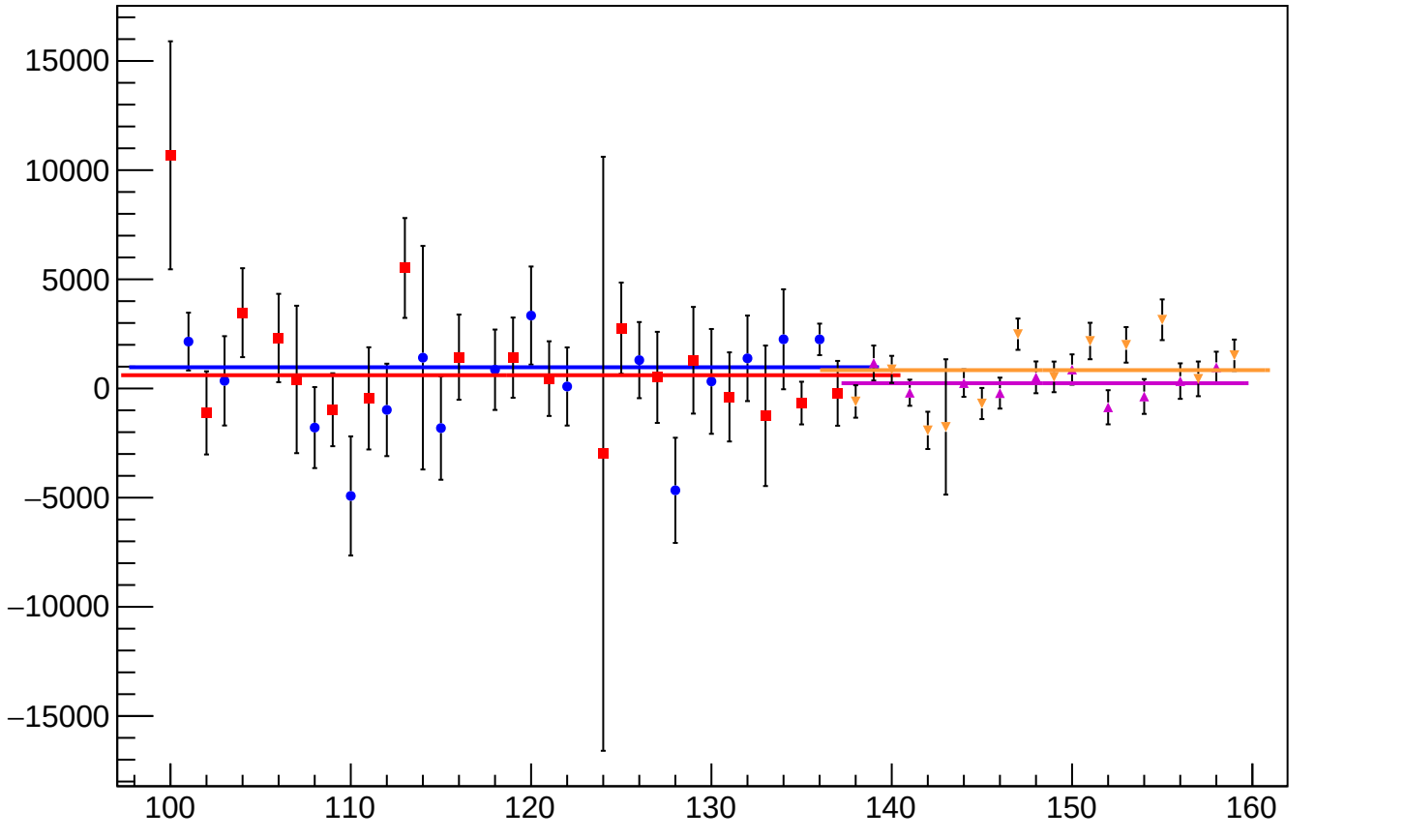
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

+ sign 1246.632+/-0.217 χ^2/NDF: 656196.9/27

All: 1257.777+/-0.156 χ^2/NDF: 896712.2/56

- sign 1269.739+/-0.225 χ^2/NDF: 235066.8/28



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 840.512+/-226.776 χ^2/NDF:36.8/11

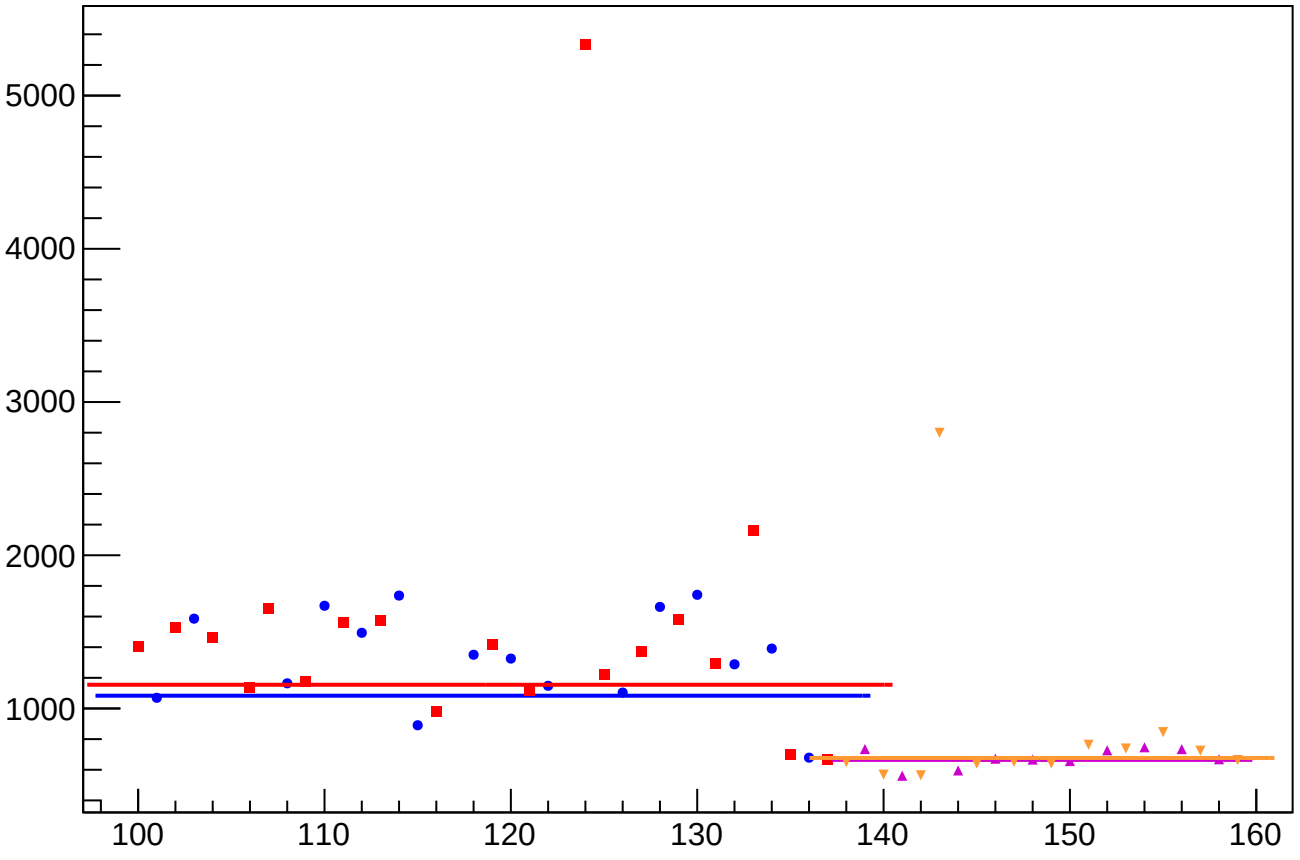
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 240.790+/-226.406 χ^2/NDF:6.9/9

\+ sign 869.691+/-200.098 χ^2/NDF: 57.3/27

All: 595.353+/-142.174 χ^2/NDF: 85.6/56

\- sign 315.656+/-202.044 χ^2/NDF: 24.5/28



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

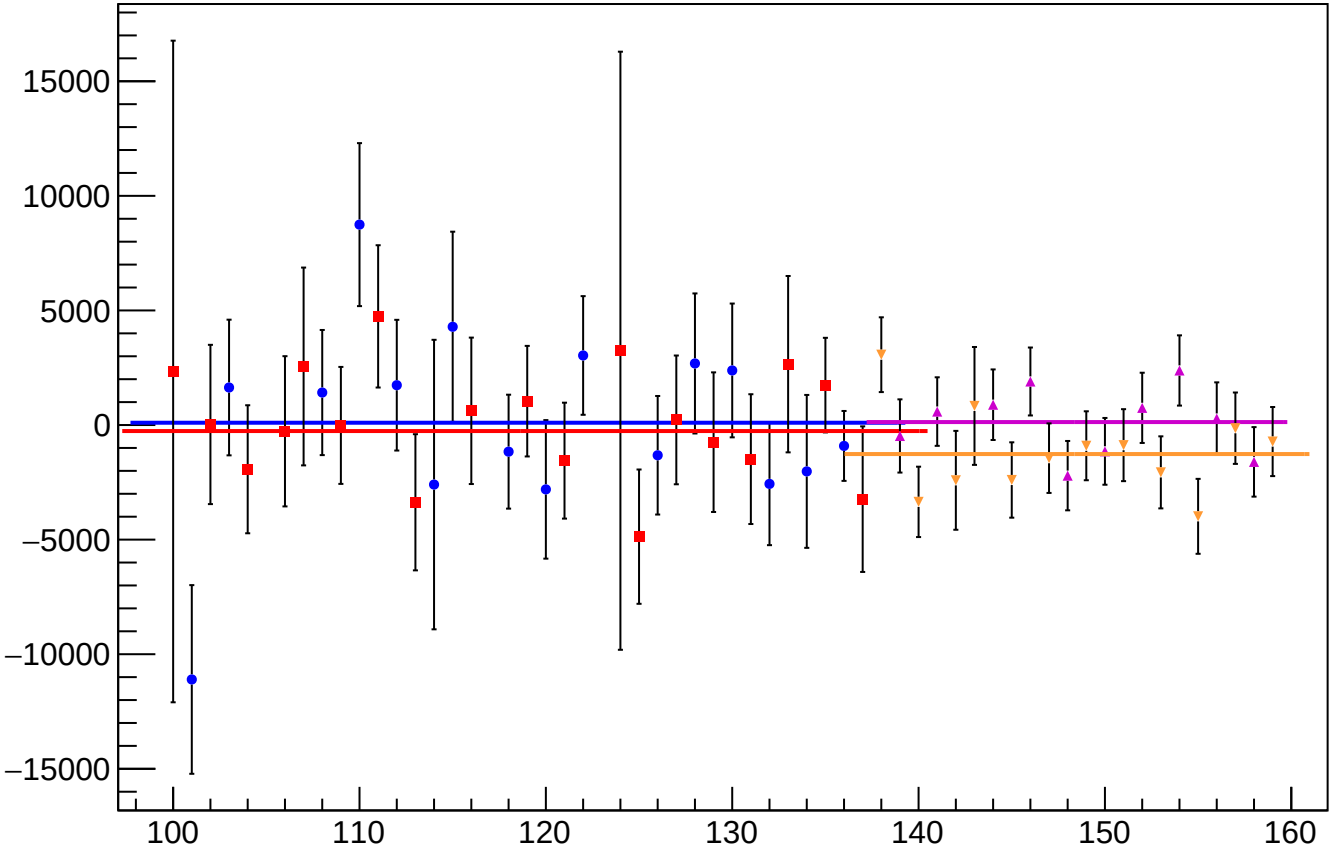
Left In: 664.408+/-0.160 χ^2/NDF:148964.4/9

+ sign 766.993+/-0.141 χ^2/NDF: 3938195.0/27

All: 765.637+/-0.101 χ^2/NDF: 7485737.0/56

- sign 764.254+/-0.143 χ^2/NDF: 3547356.4/28

asym_atl_dd_atr_dd_dd_mean vs Slug



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

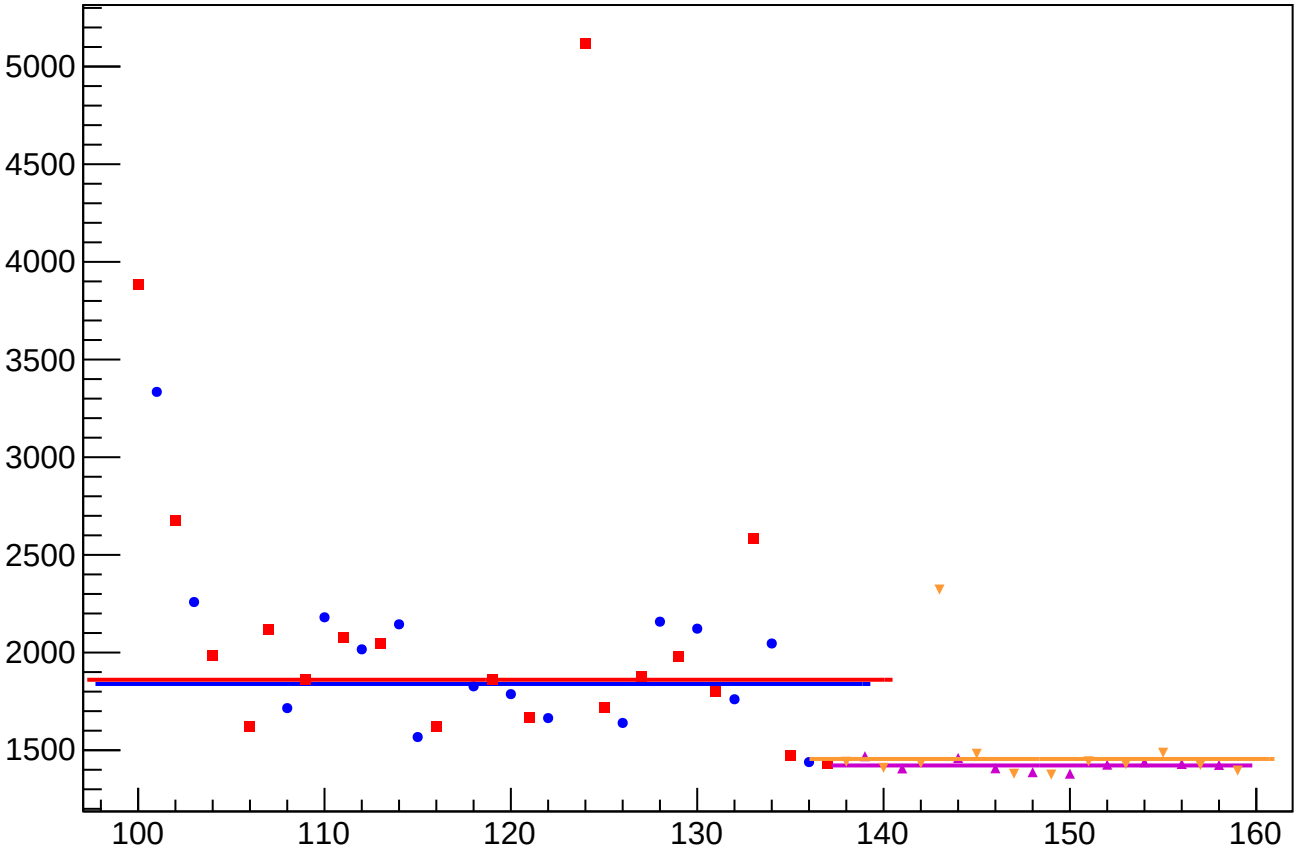
Left In: 129.264+/-481.560 χ^2/NDF:8.7/9

\+ sign -835.735+/-392.346 χ^2/NDF: 38.0/27

All: -420.853+/-278.955 χ^2/NDF: 59.6/56

\- sign 3.274+/-396.693 χ^2/NDF: 19.3/28

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

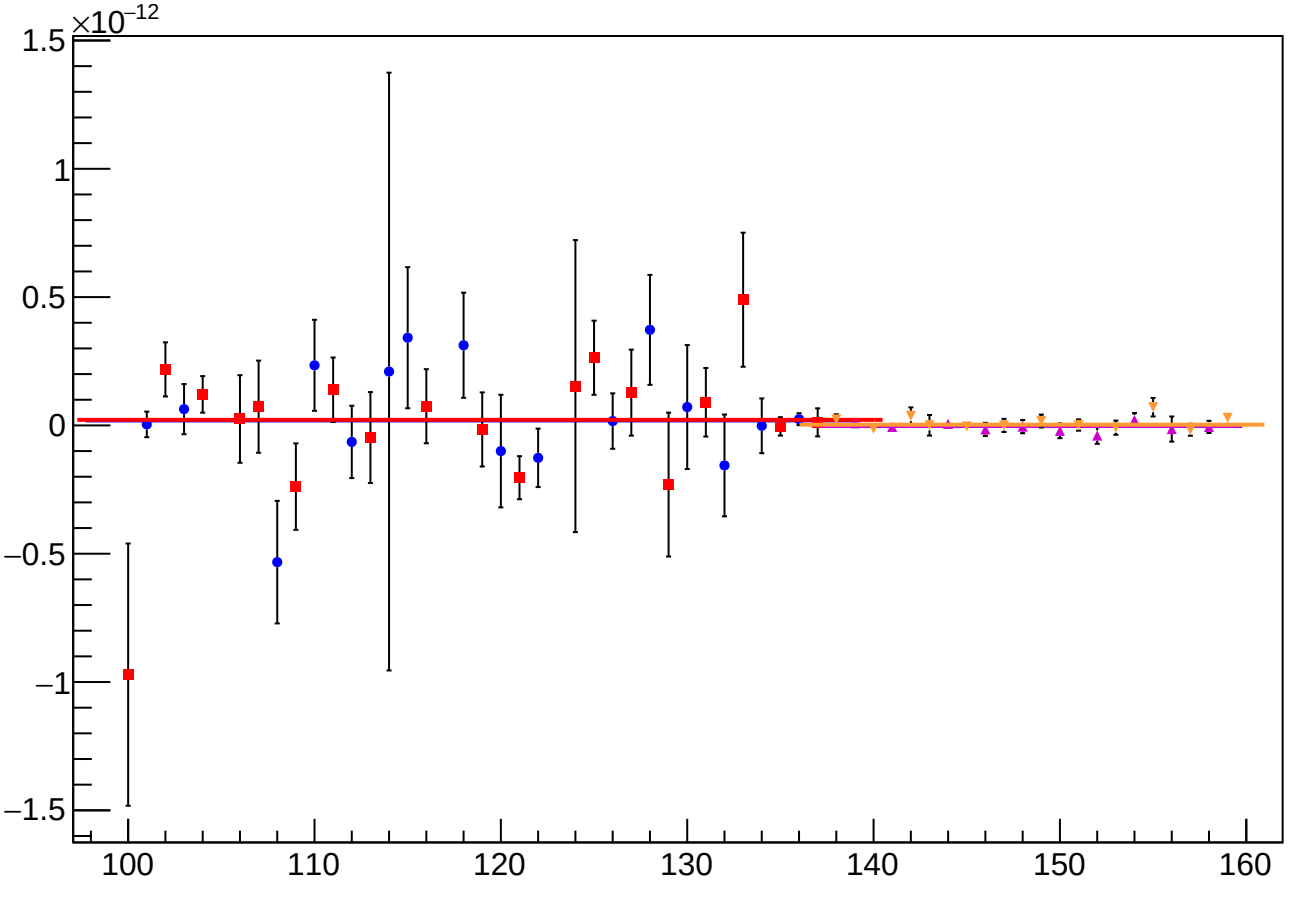
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1422.020+/-0.341 χ^2/NDF:6405.5/9

\+ sign 1576.216+/-0.277 χ^2/NDF: 1215810.1/27

All: 1569.698+/-0.197 χ^2/NDF: 2279019.2/56

\- sign 1563.035+/-0.281 χ^2/NDF: 1062092.9/28



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

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

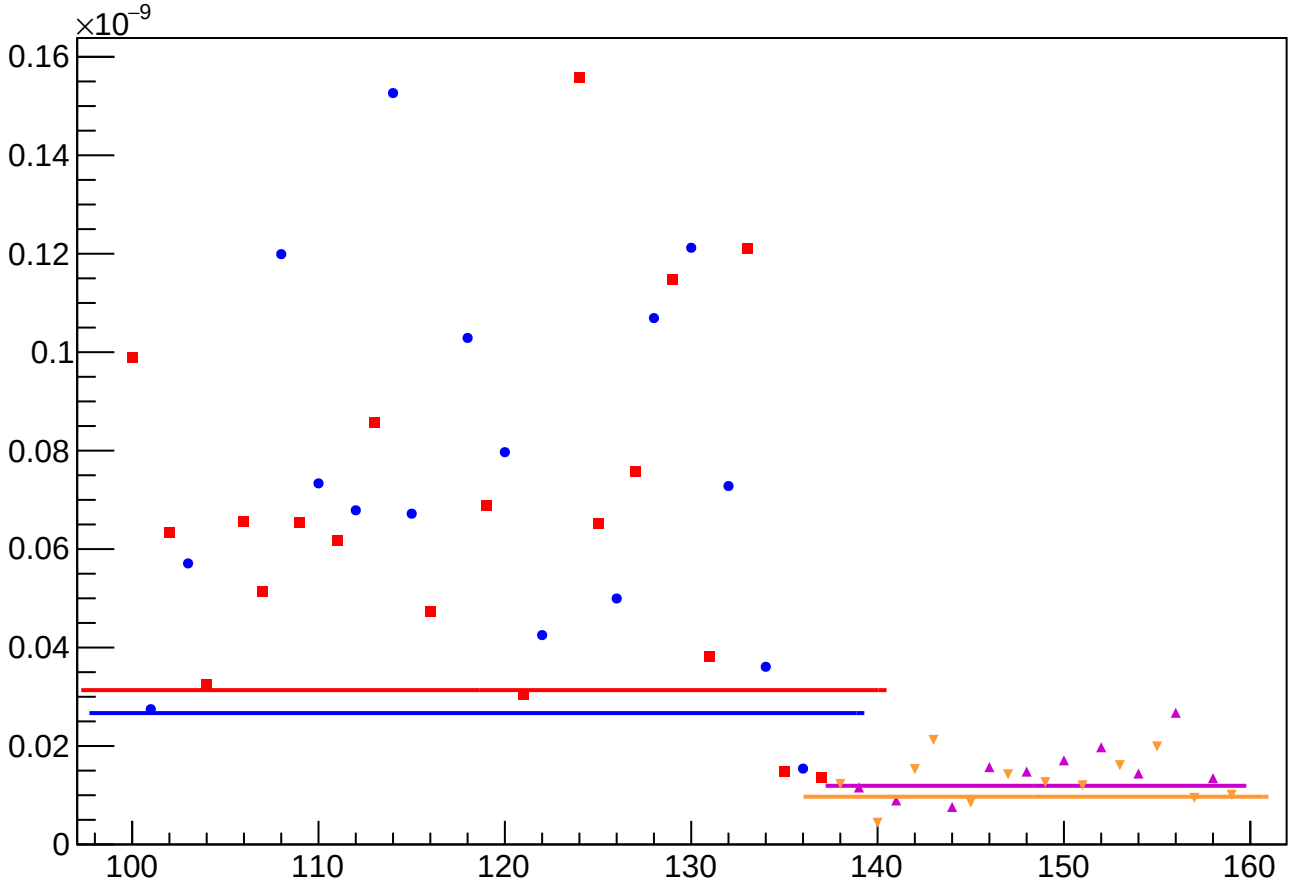
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/27

All: 0.000+/-0.000 χ^2/NDF: 61.4/56

- sign -0.000+/-0.000 χ^2/NDF: 32.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136859.2/11

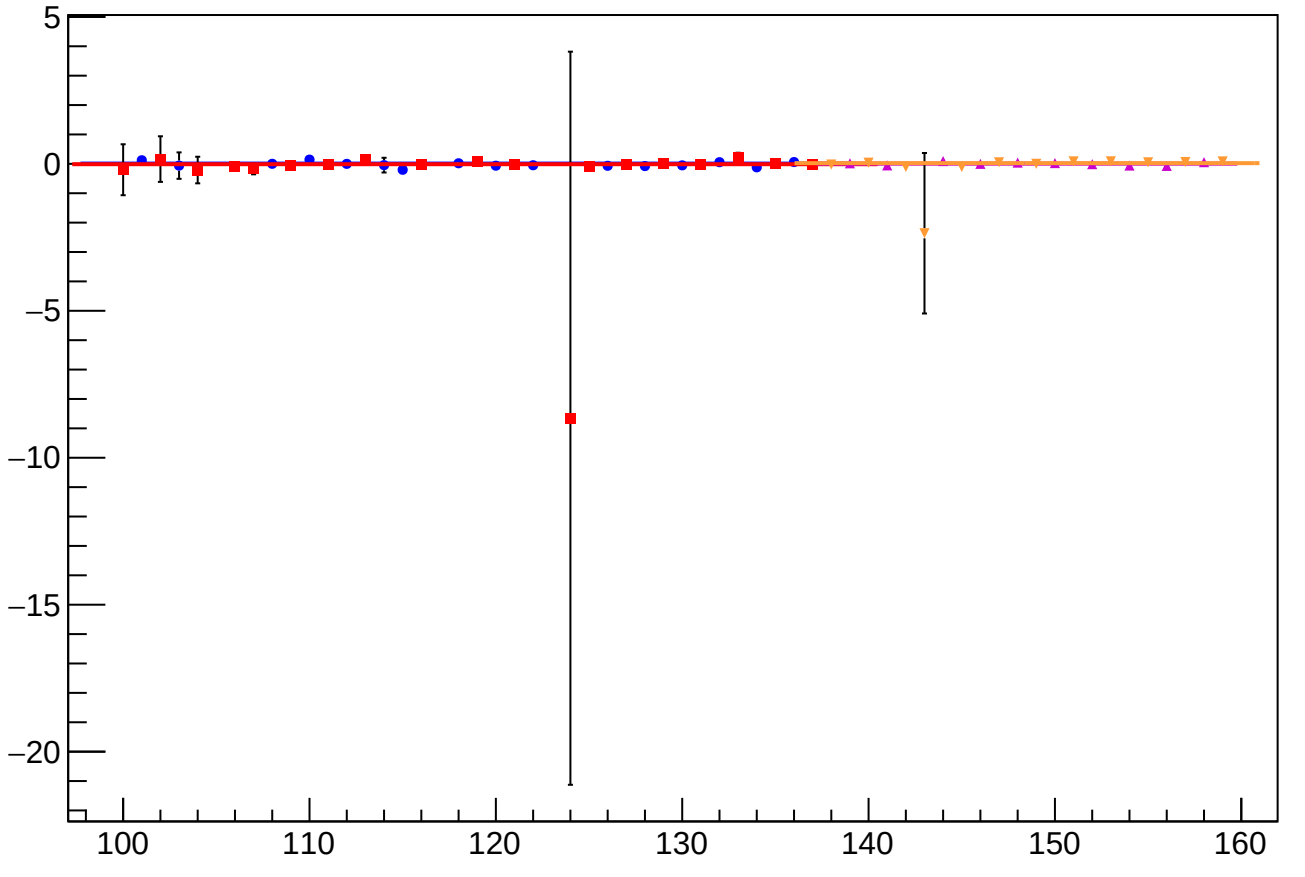
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:737470.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 5203739.5/27

All: 0.000+/-0.000 χ^2/NDF: 9756084.0/56

- sign 0.000+/-0.000 χ^2/NDF: 4399026.8/28



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

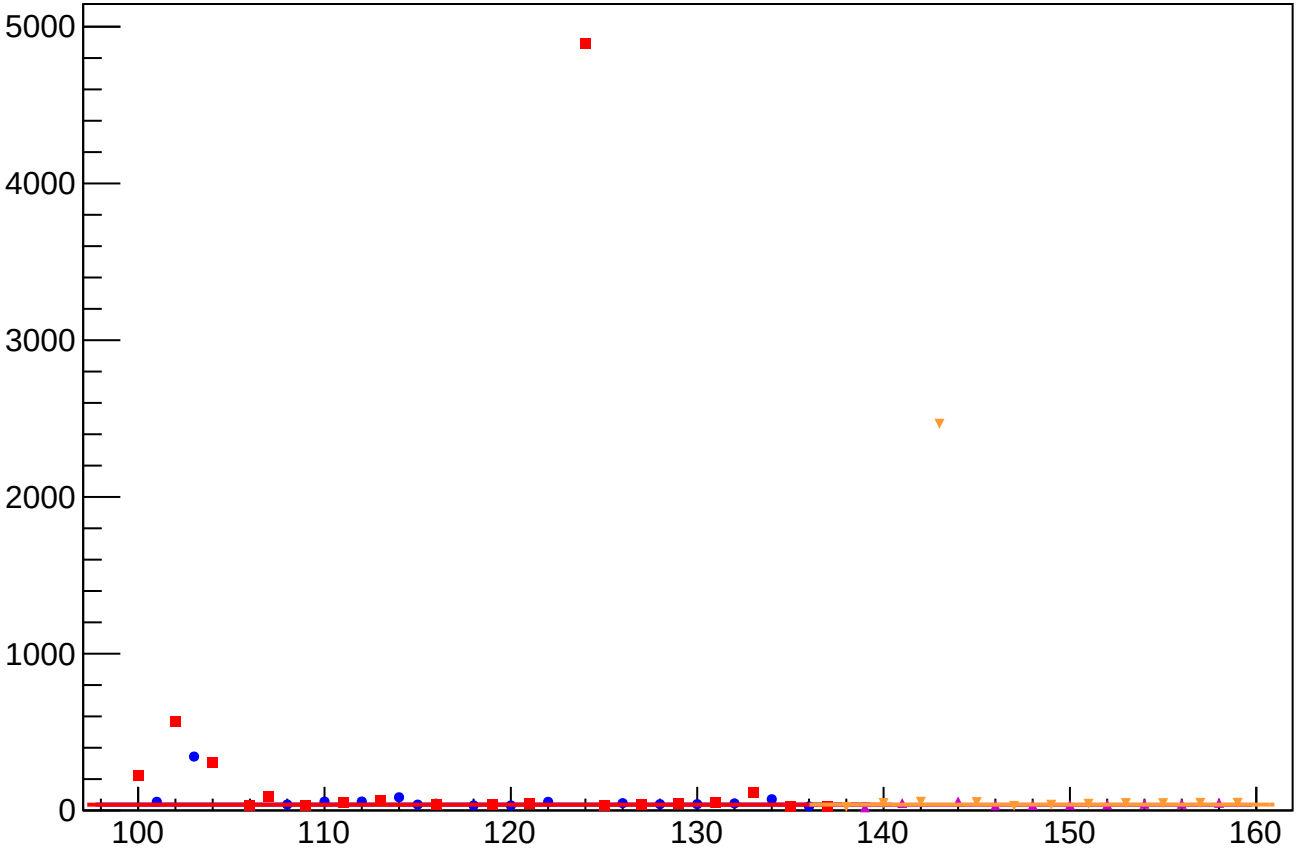
Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/56

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28

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

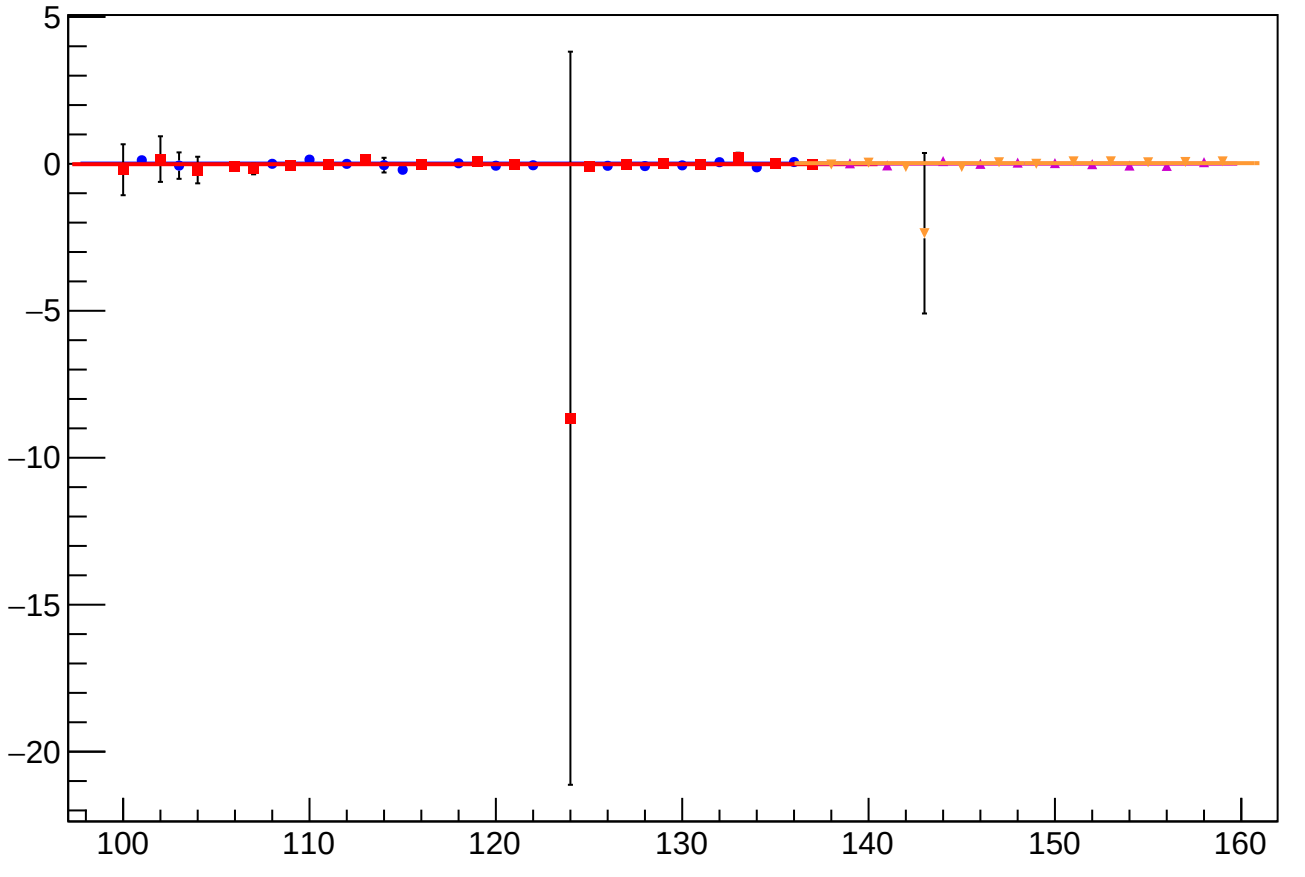
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

+ sign 37.372+/-0.007 χ^2/NDF: 4854108.6/27

All: 36.708+/-0.005 χ^2/NDF: 9262078.3/56

- sign 36.054+/-0.007 χ^2/NDF: 4392053.1/28



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

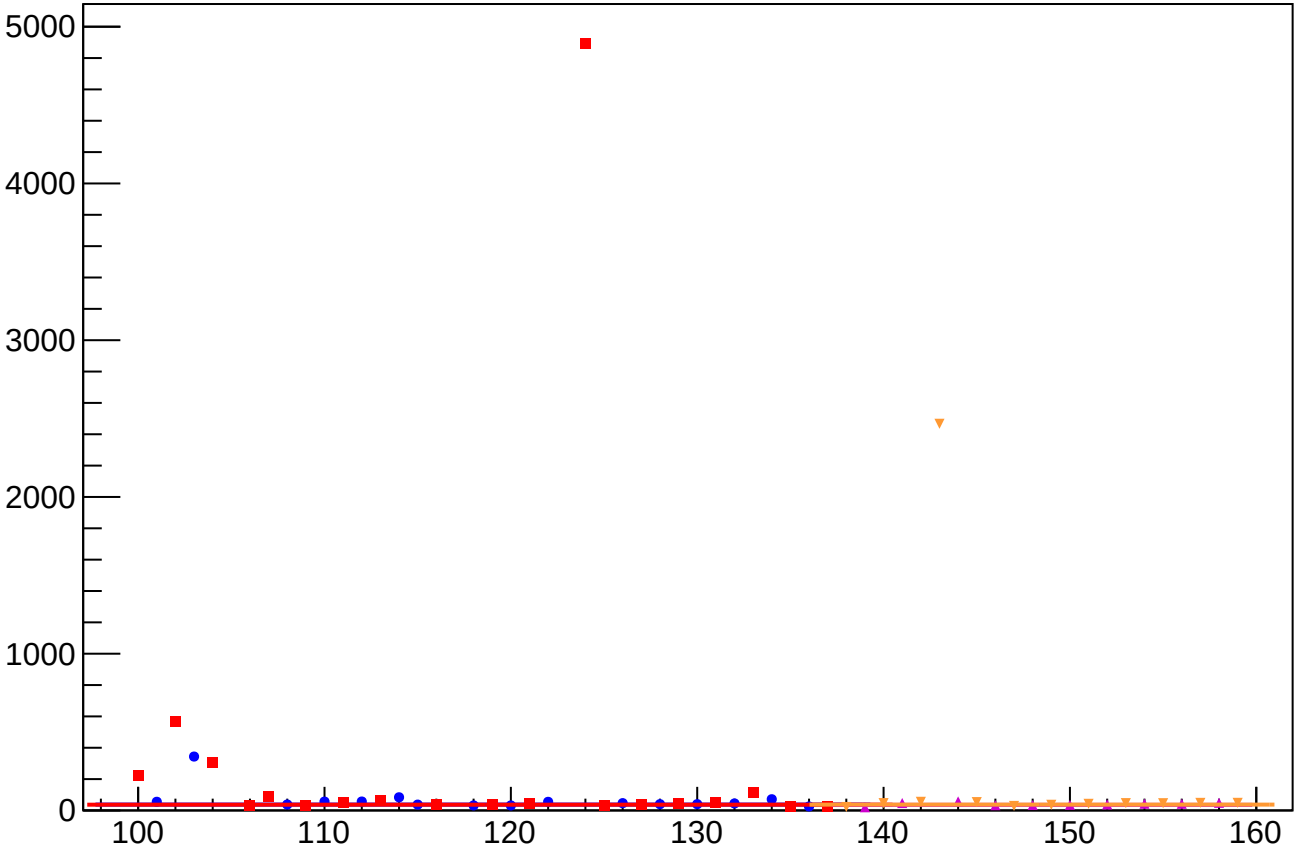
Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/56

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.282+/-0.010 χ^2/NDF:2870632.2/11

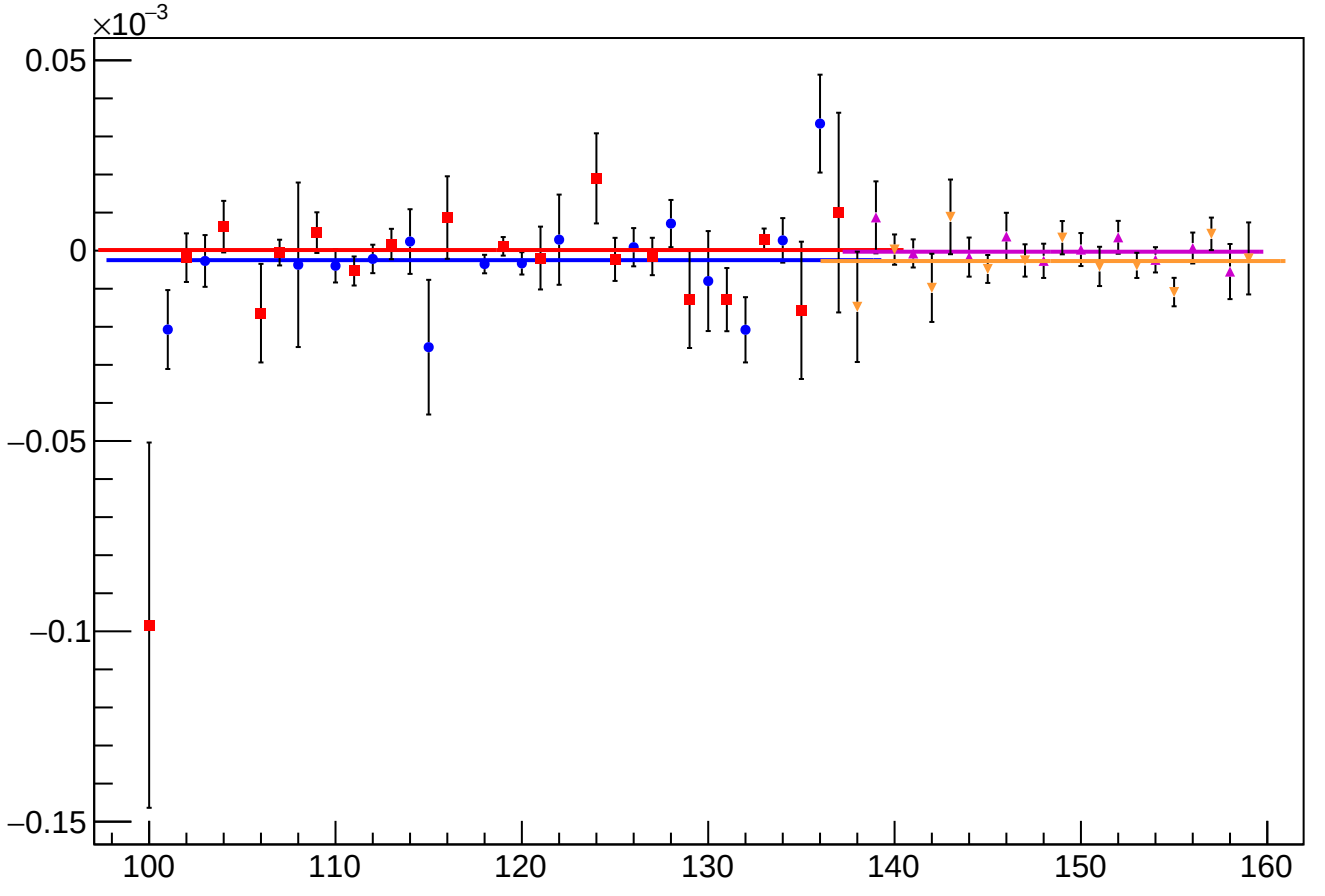
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

+ sign 37.372+/-0.007 χ^2/NDF: 4854108.6/27

All: 36.708+/-0.005 χ^2/NDF: 9262078.3/56

- sign 36.054+/-0.007 χ^2/NDF: 4392053.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/11

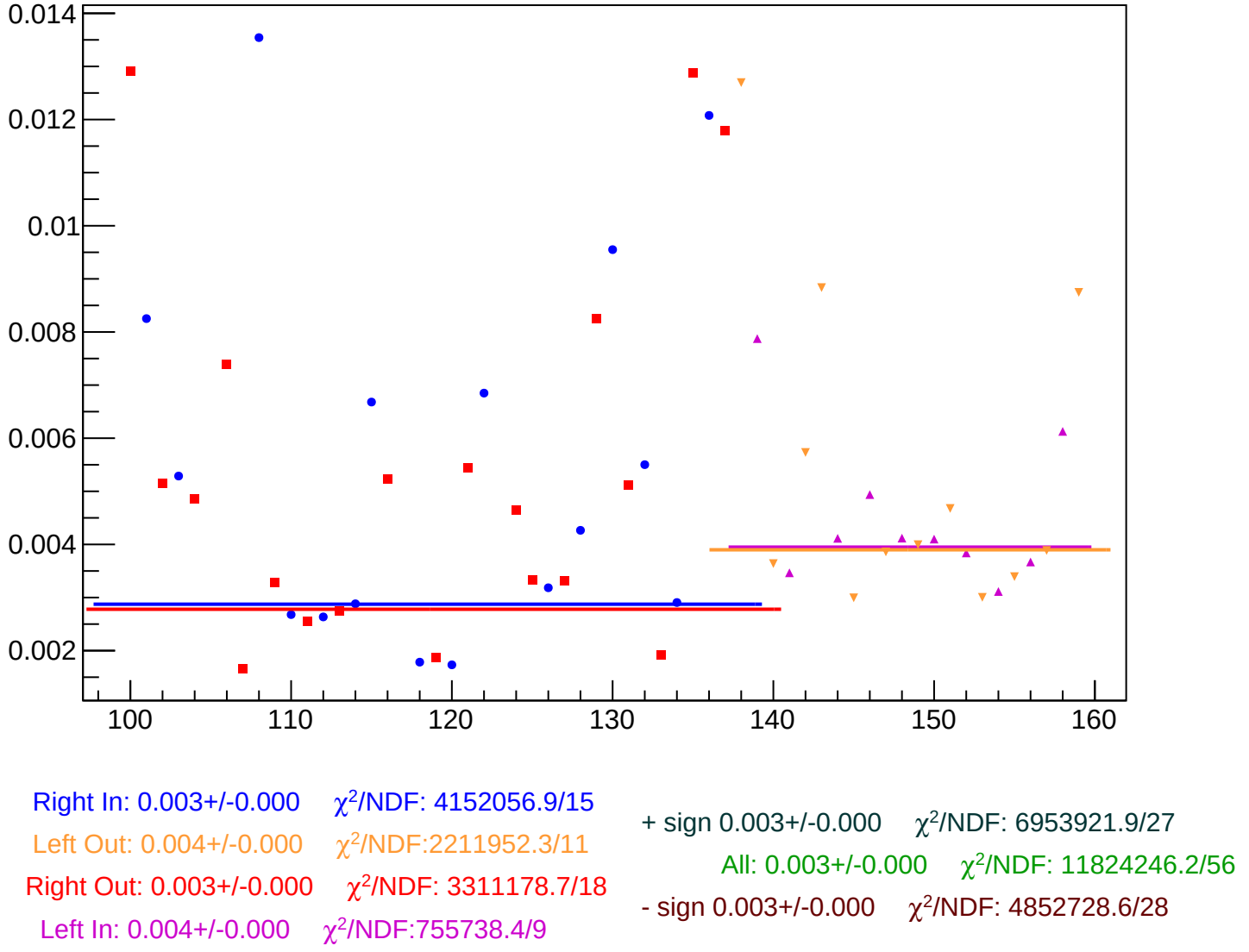
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

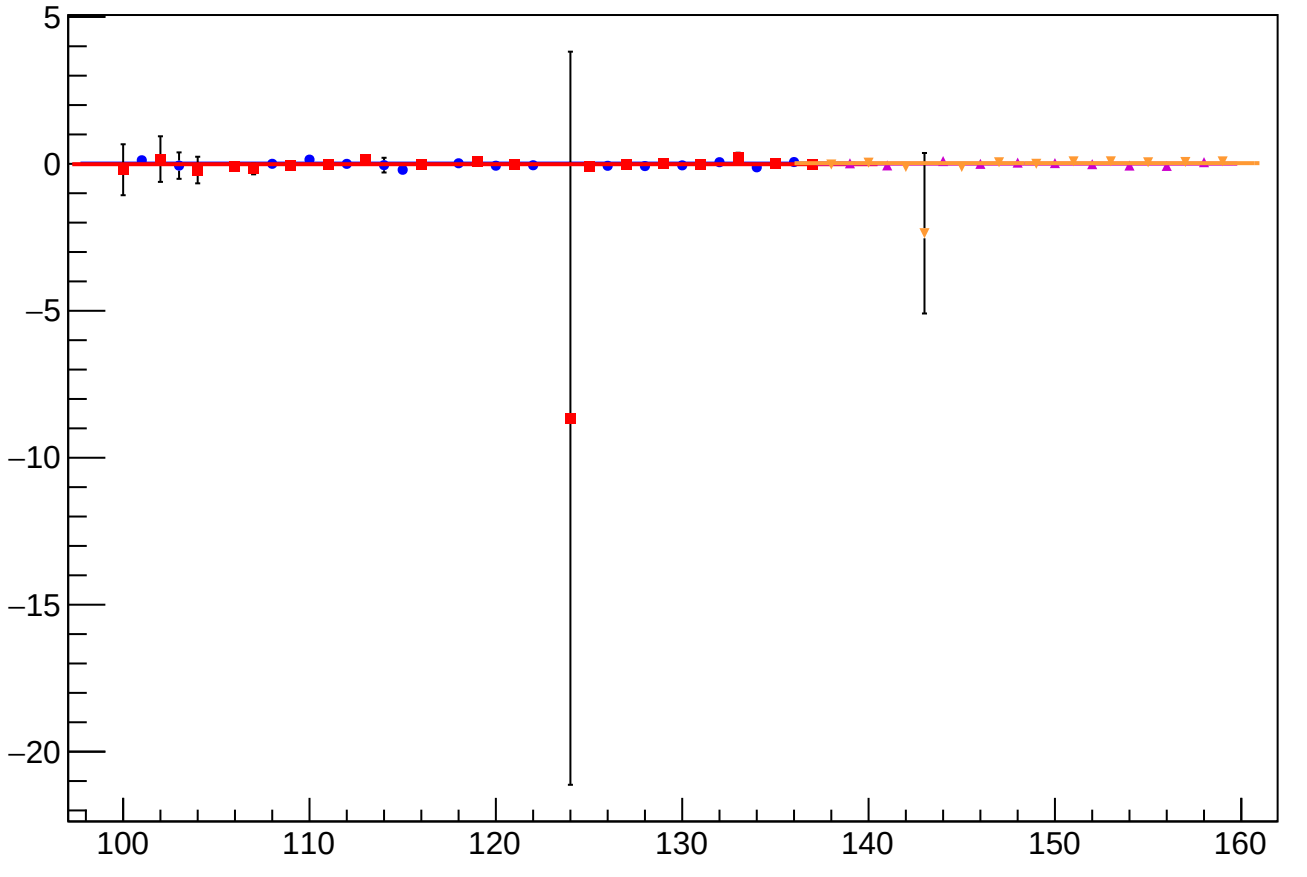
Left In: -0.000+/-0.000 χ^2/NDF:3.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/27

All: -0.000+/-0.000 χ^2/NDF: 61.5/56

- sign -0.000+/-0.000 χ^2/NDF: 22.4/28


asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 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:755738.4/9
+ sign 0.003+/-0.000 χ²/NDF: 6953921.9/27
All: 0.003+/-0.000 χ²/NDF: 11824246.2/56
- sign 0.003+/-0.000 χ²/NDF: 4852728.6/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.014 χ^2/NDF:16.2/11

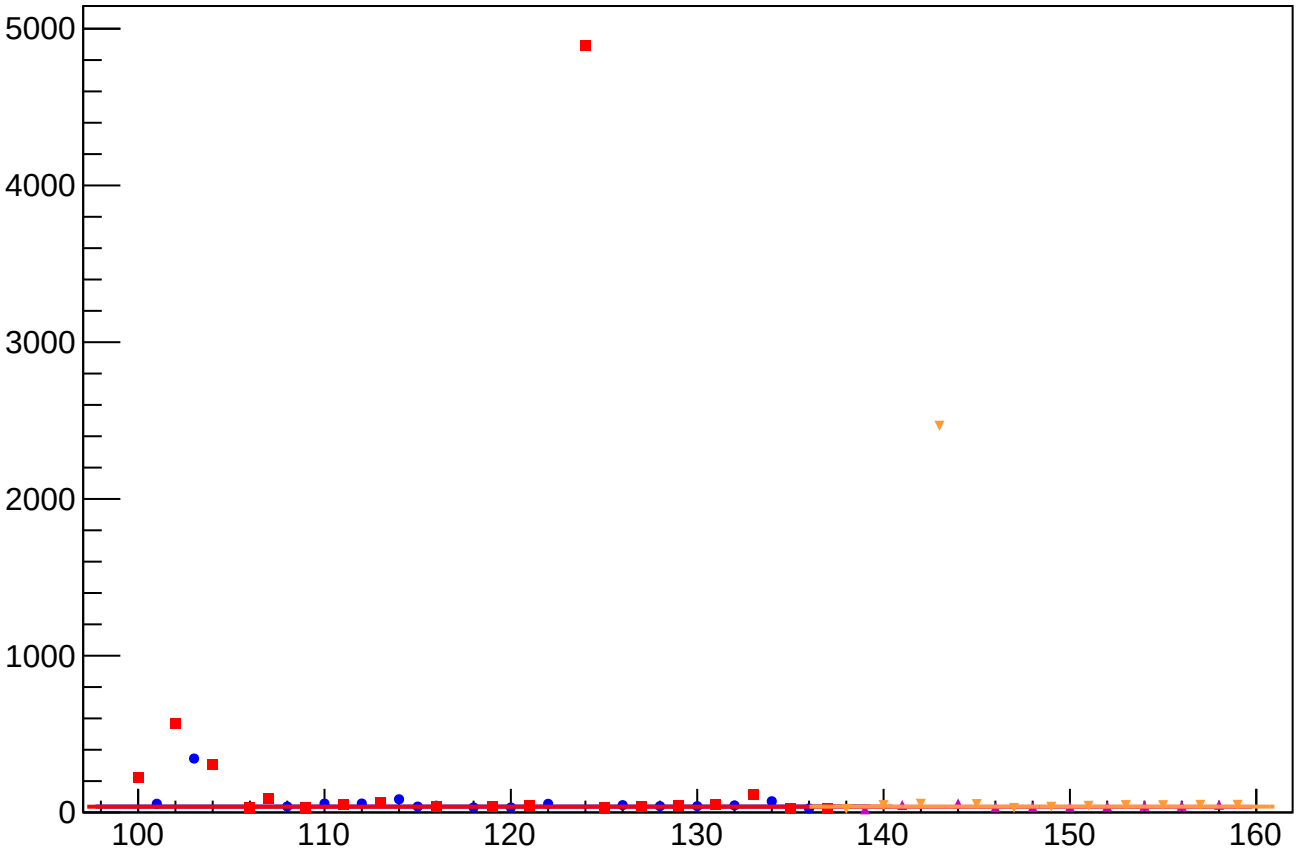
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/56

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.279+/-0.010 χ^2/NDF:2871228.8/11

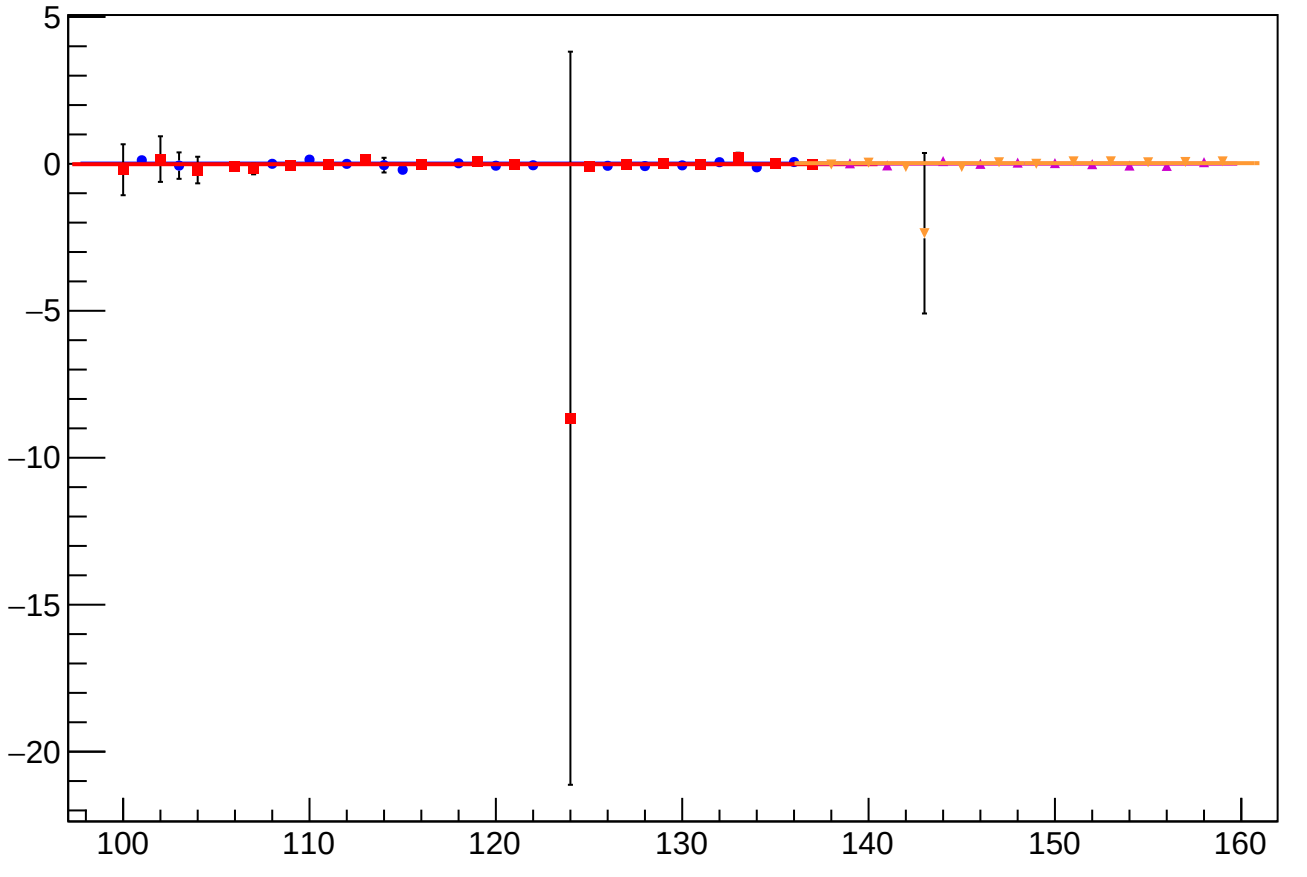
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

+ sign 37.371+/-0.007 χ^2/NDF: 4854641.5/27

All: 36.709+/-0.005 χ^2/NDF: 9261224.2/56

- sign 36.056+/-0.007 χ^2/NDF: 4390760.9/28



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

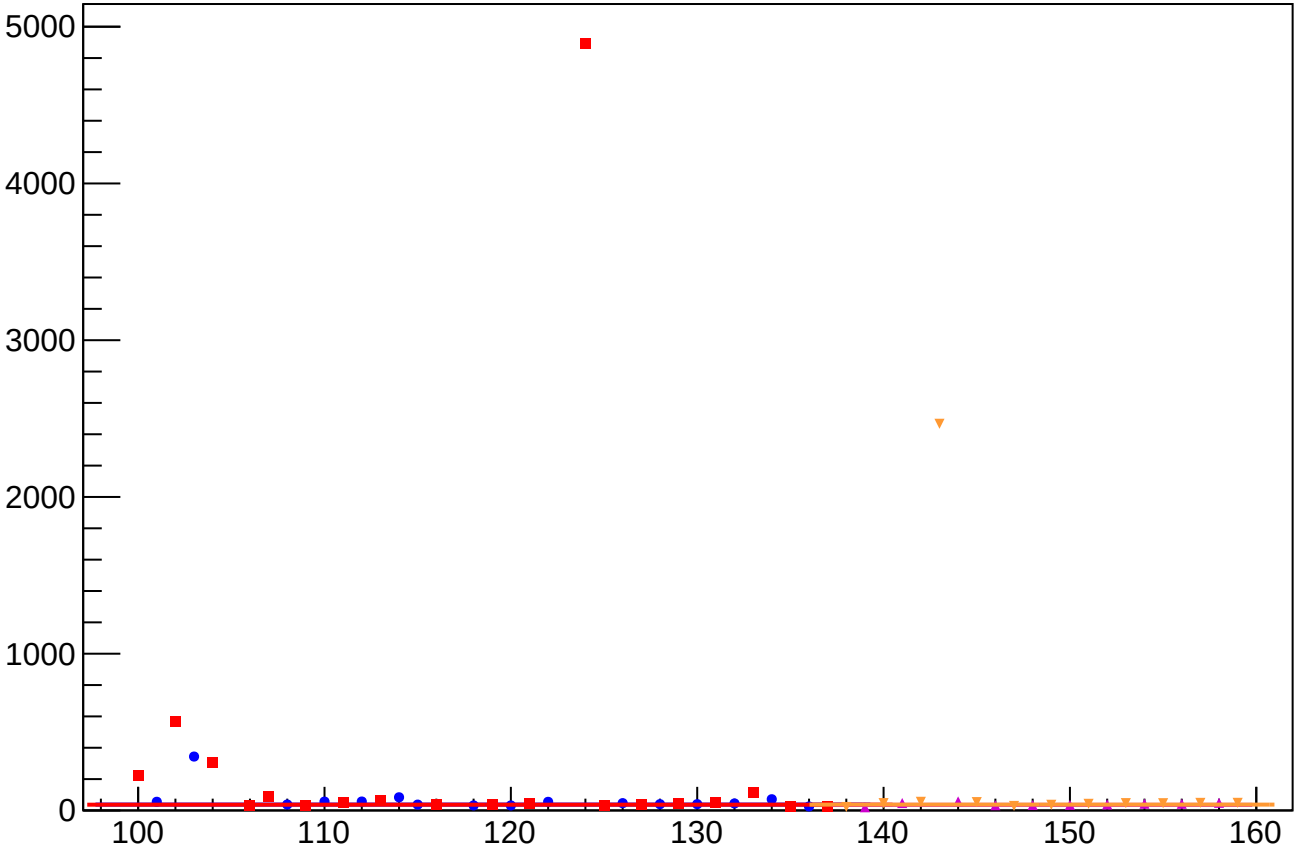
Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/56

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_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

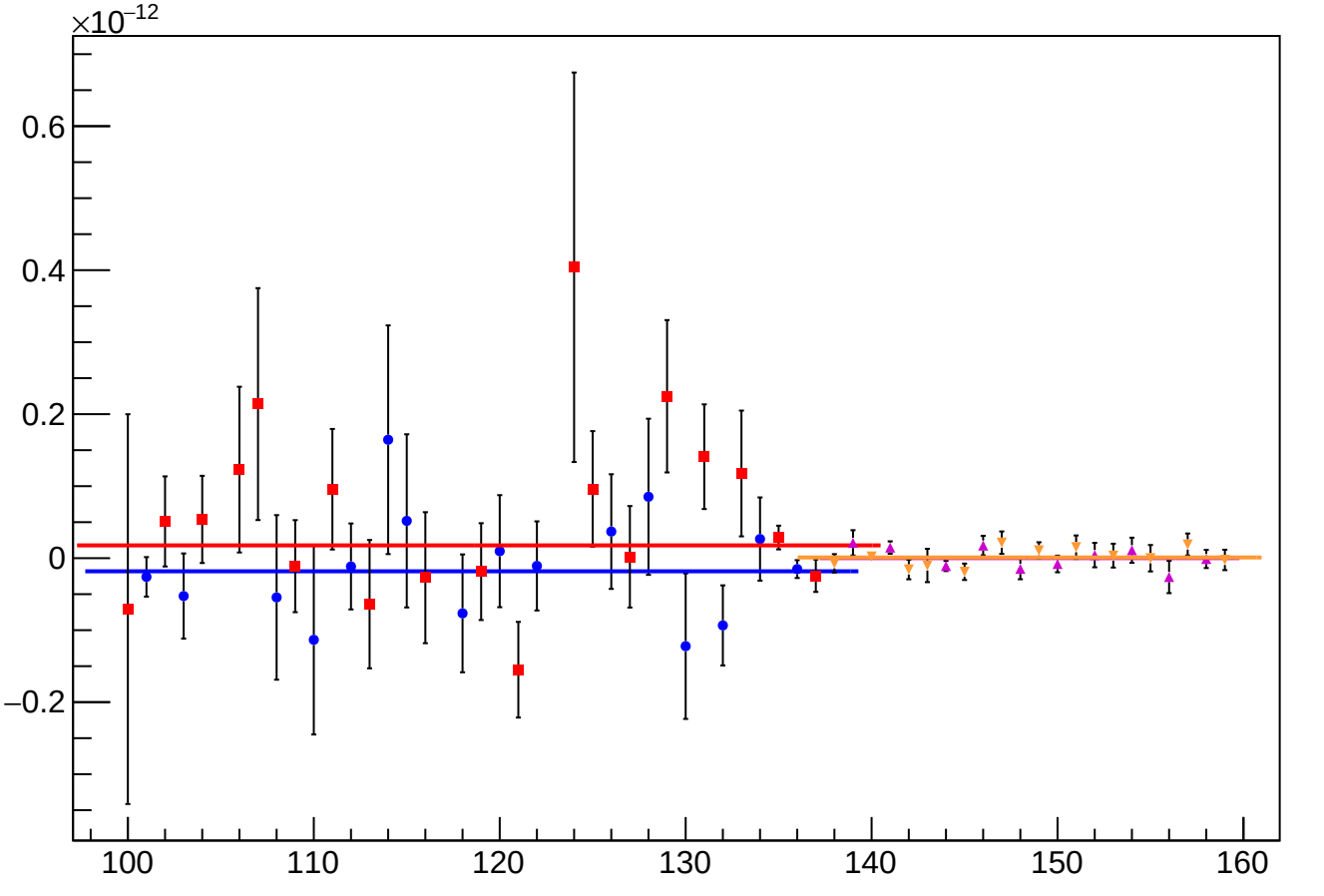
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

+ sign 37.371+/-0.007 χ^2/NDF: 4854641.5/27

All: 36.709+/-0.005 χ^2/NDF: 9261224.2/56

- sign 36.056+/-0.007 χ^2/NDF: 4390760.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/11

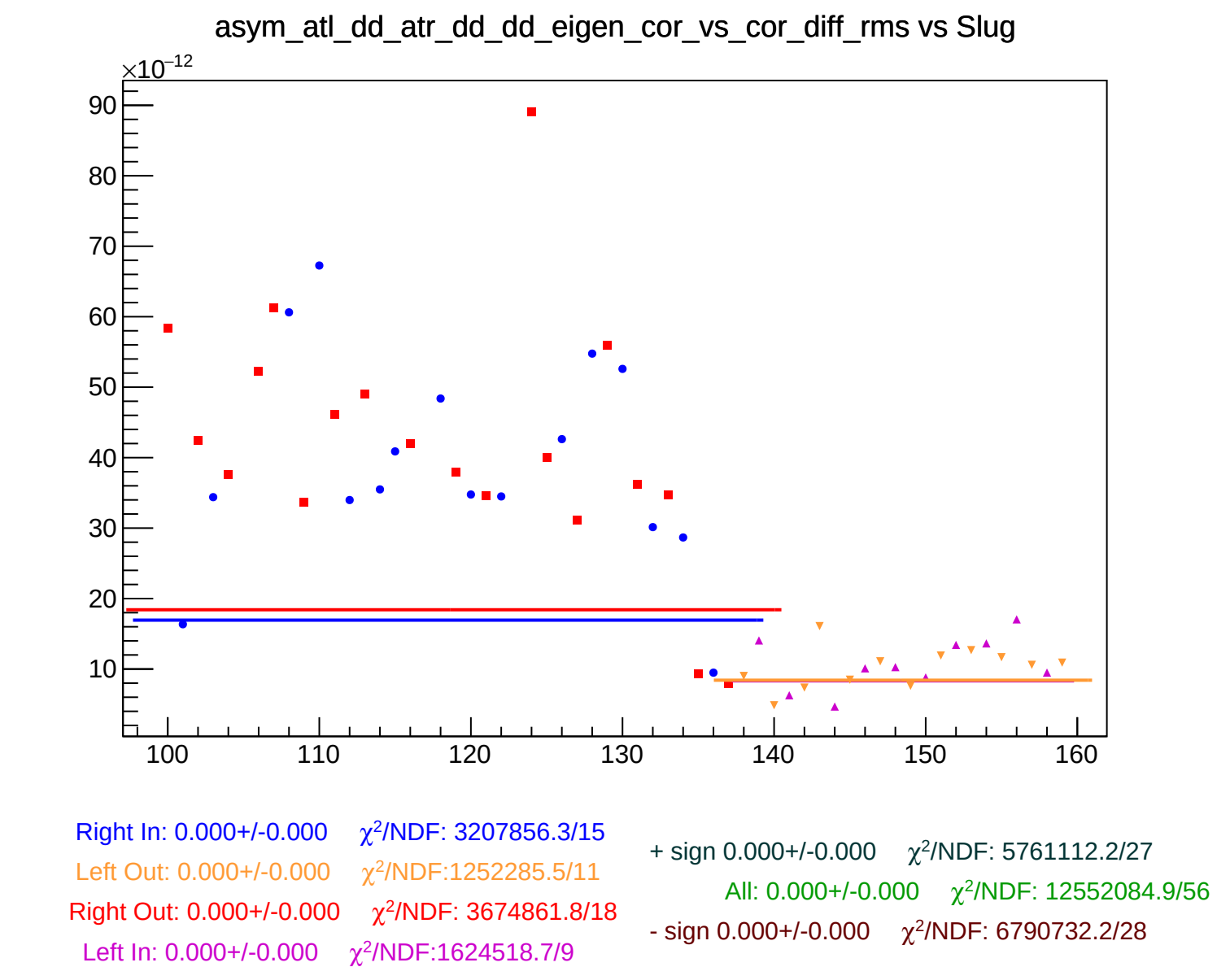
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/9

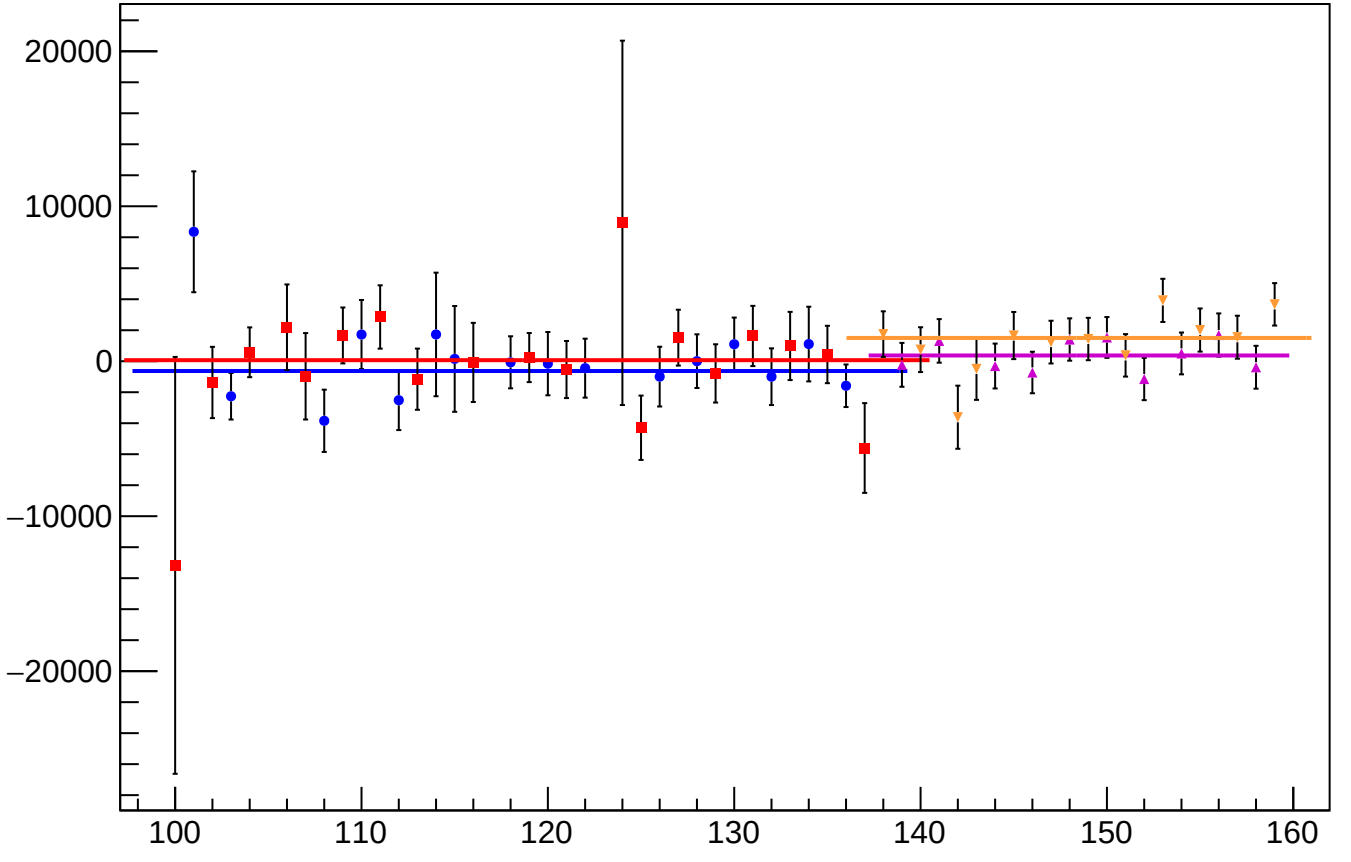
+ sign -0.000+/-0.000 χ^2/NDF: 21.6/27

All: 0.000+/-0.000 χ^2/NDF: 63.4/56

- sign 0.000+/-0.000 χ^2/NDF: 41.4/28


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
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:1624518.7/9
+ sign 0.000+/-0.000 χ²/NDF: 5761112.2/27
All: 0.000+/-0.000 χ²/NDF: 12552084.9/56
- sign 0.000+/-0.000 χ²/NDF: 6790732.2/28

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

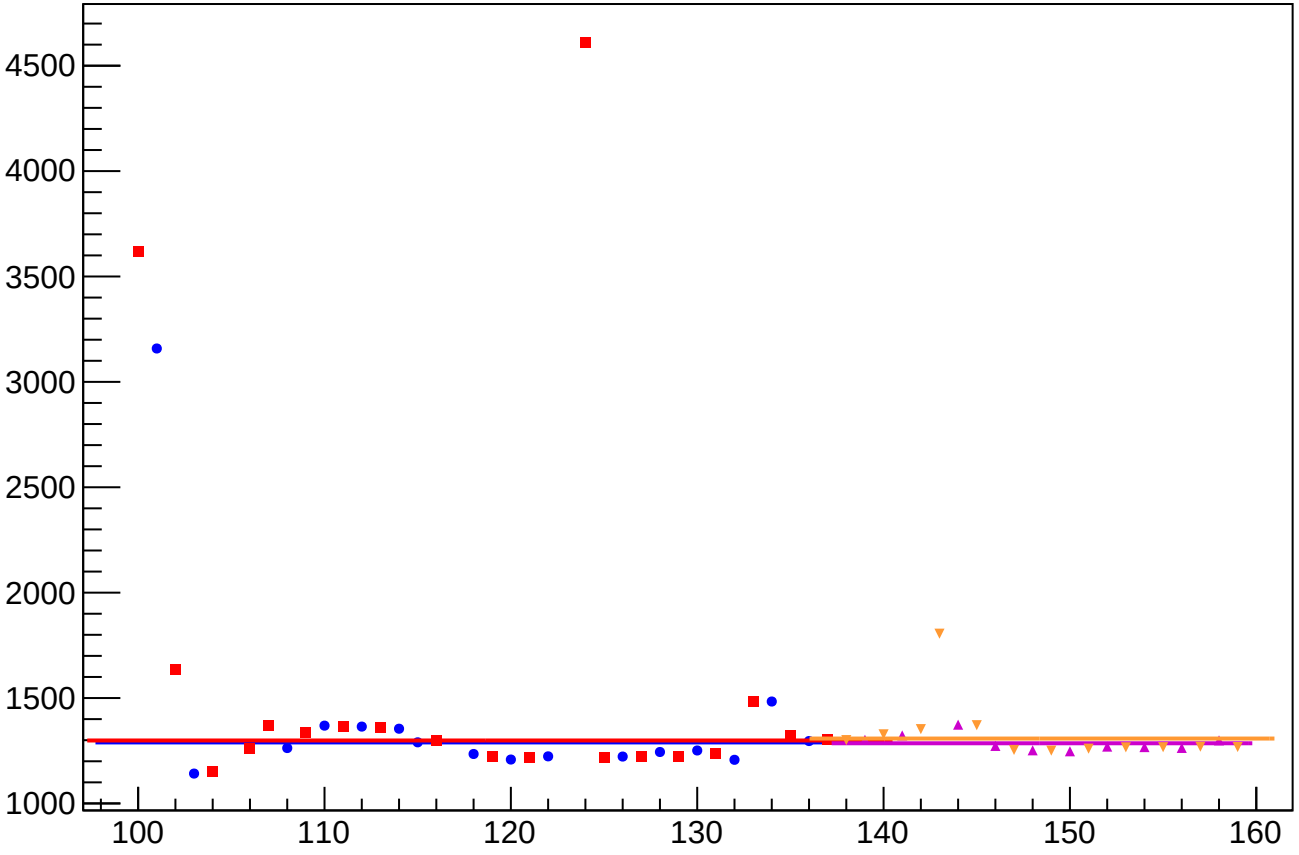
Left In: 370.992+/-435.347 χ^2/NDF:5.3/9

+ sign 584.197+/-320.611 χ^2/NDF: 38.8/27

All: 412.594+/-228.170 χ^2/NDF: 60.8/56

- sign 236.486+/-324.793 χ^2/NDF: 21.4/28

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

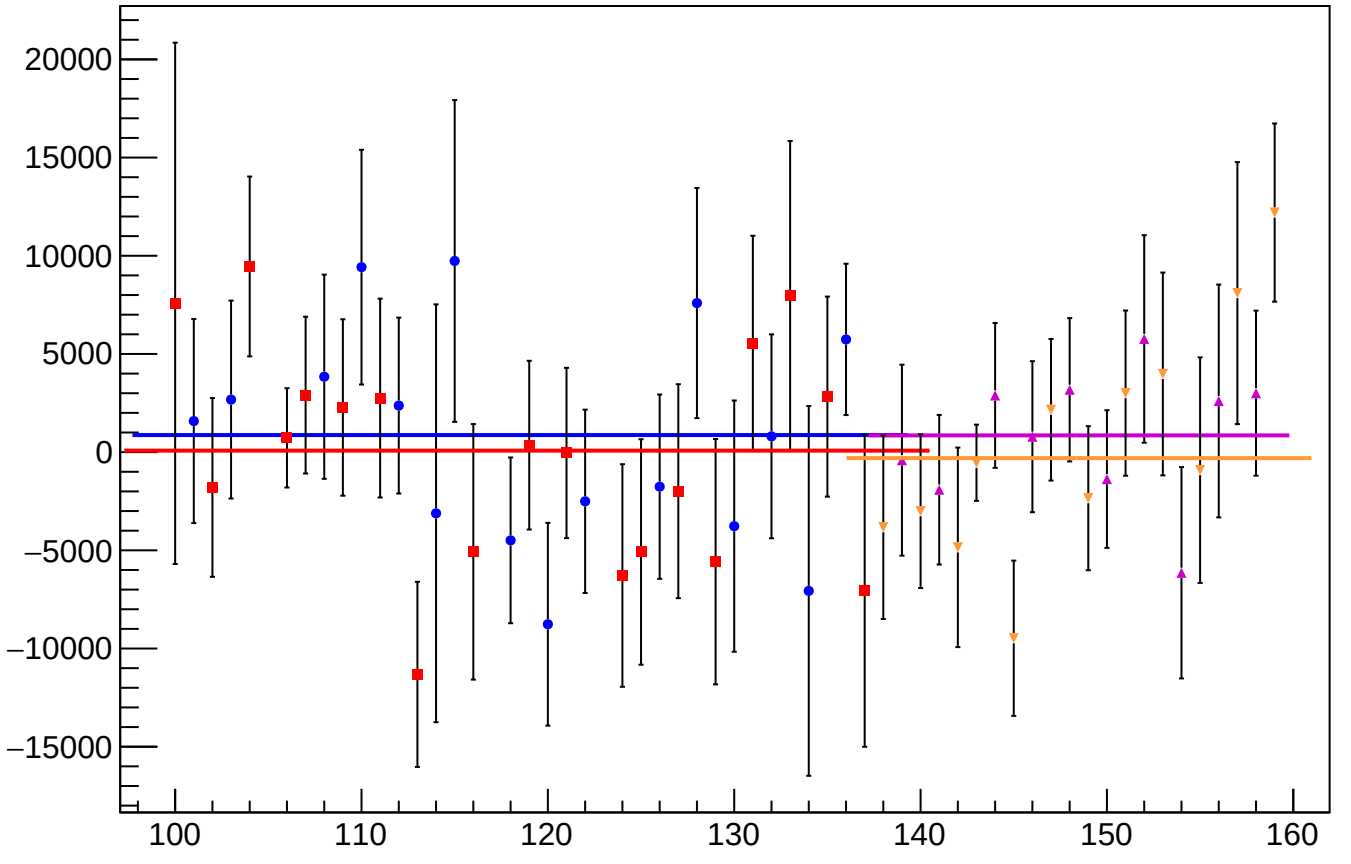
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1299.924+/-0.227 χ^2/NDF: 660948.5/27

All: 1295.664+/-0.161 χ^2/NDF: 995332.1/56

- sign 1291.302+/-0.229 χ^2/NDF: 333669.0/28



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -303.733+/-1100.139 χ^2/NDF:18.5/11

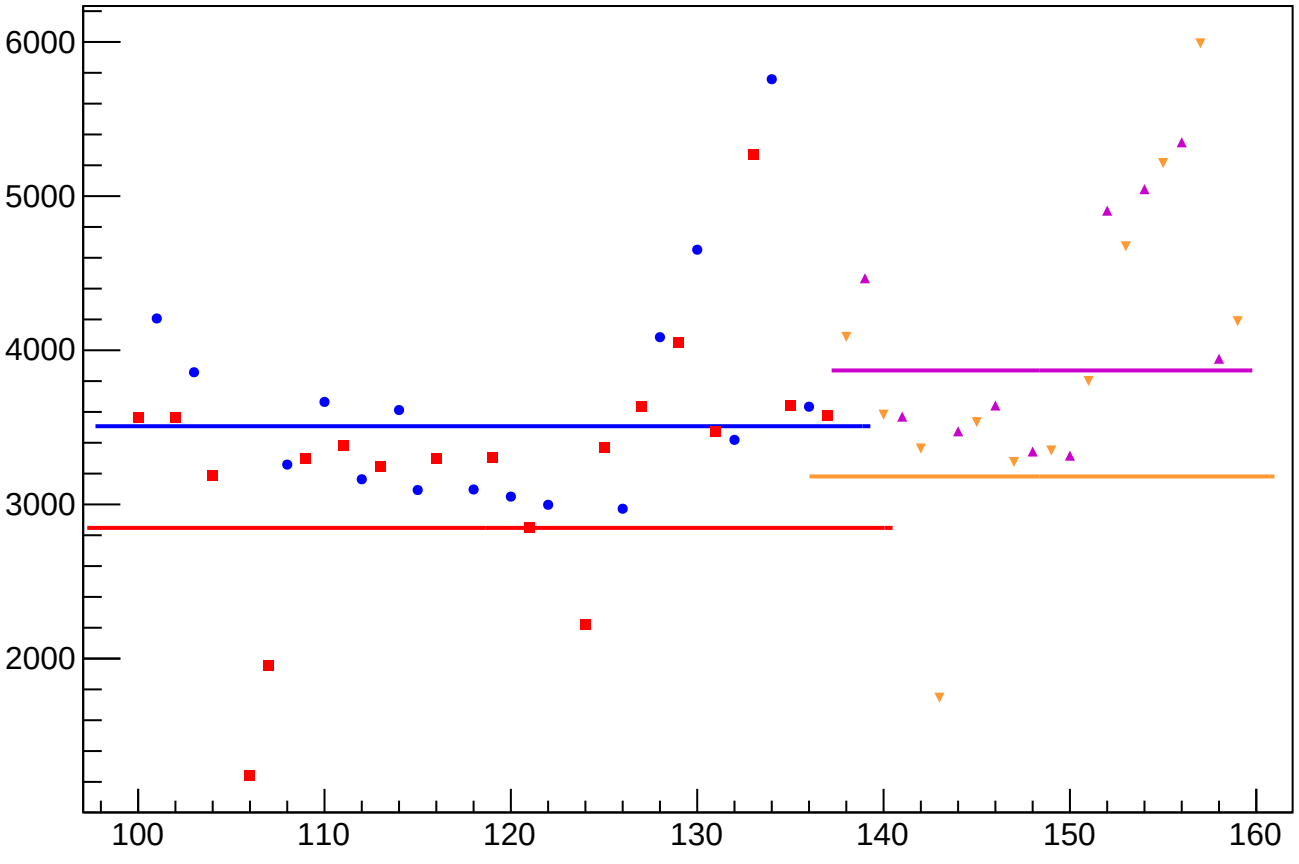
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 853.490+/-1331.282 χ^2/NDF:4.6/9

+ sign 175.233+/-846.487 χ^2/NDF: 33.0/27

All: 284.763+/-600.854 χ^2/NDF: 56.2/56

- sign 395.990+/-853.023 χ^2/NDF: 23.2/28



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

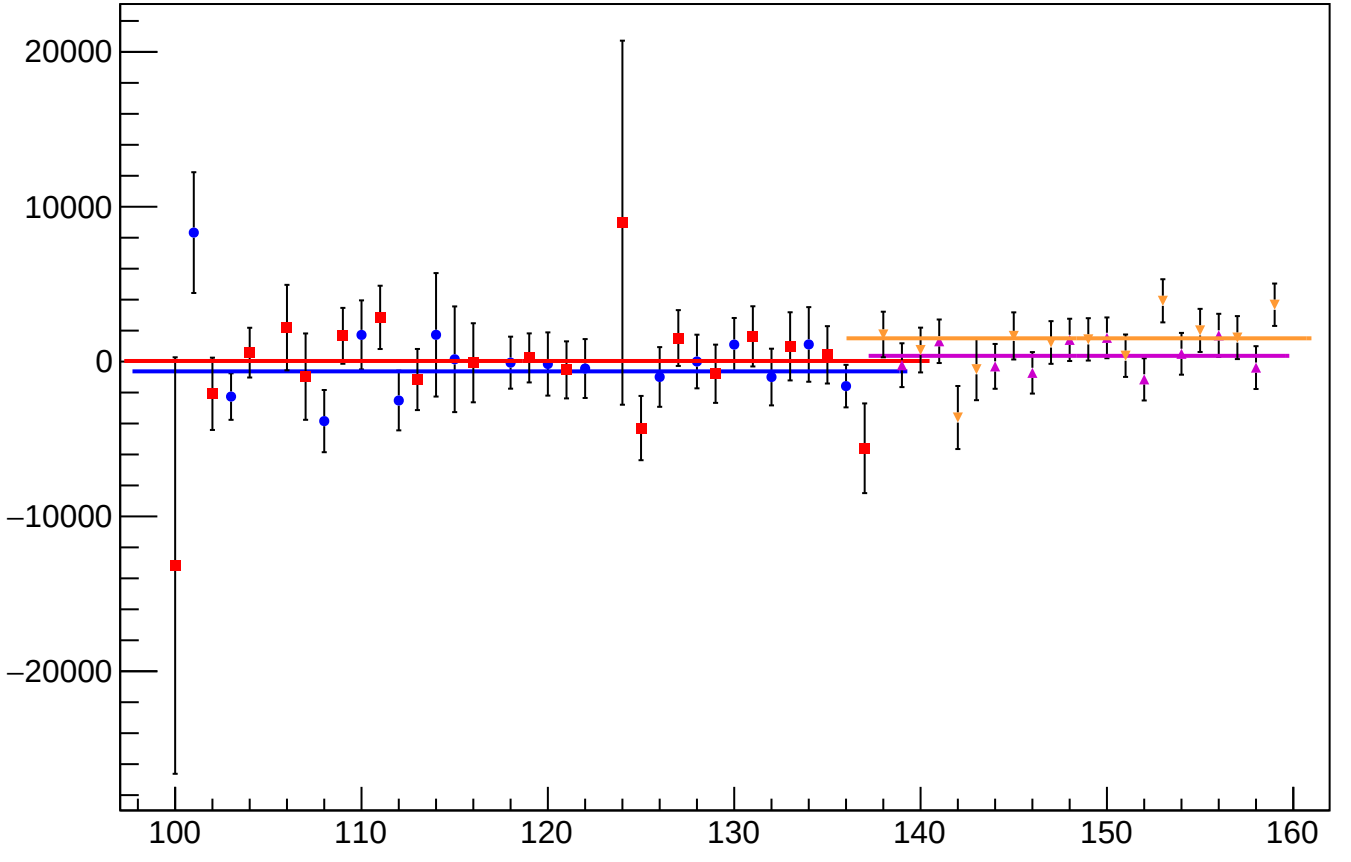
Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

+ sign 3314.375+/-0.599 χ^2/NDF: 2555027.4/27

All: 3290.943+/-0.425 χ^2/NDF: 5212877.0/56

- sign 3267.147+/-0.603 χ^2/NDF: 2654760.8/28

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

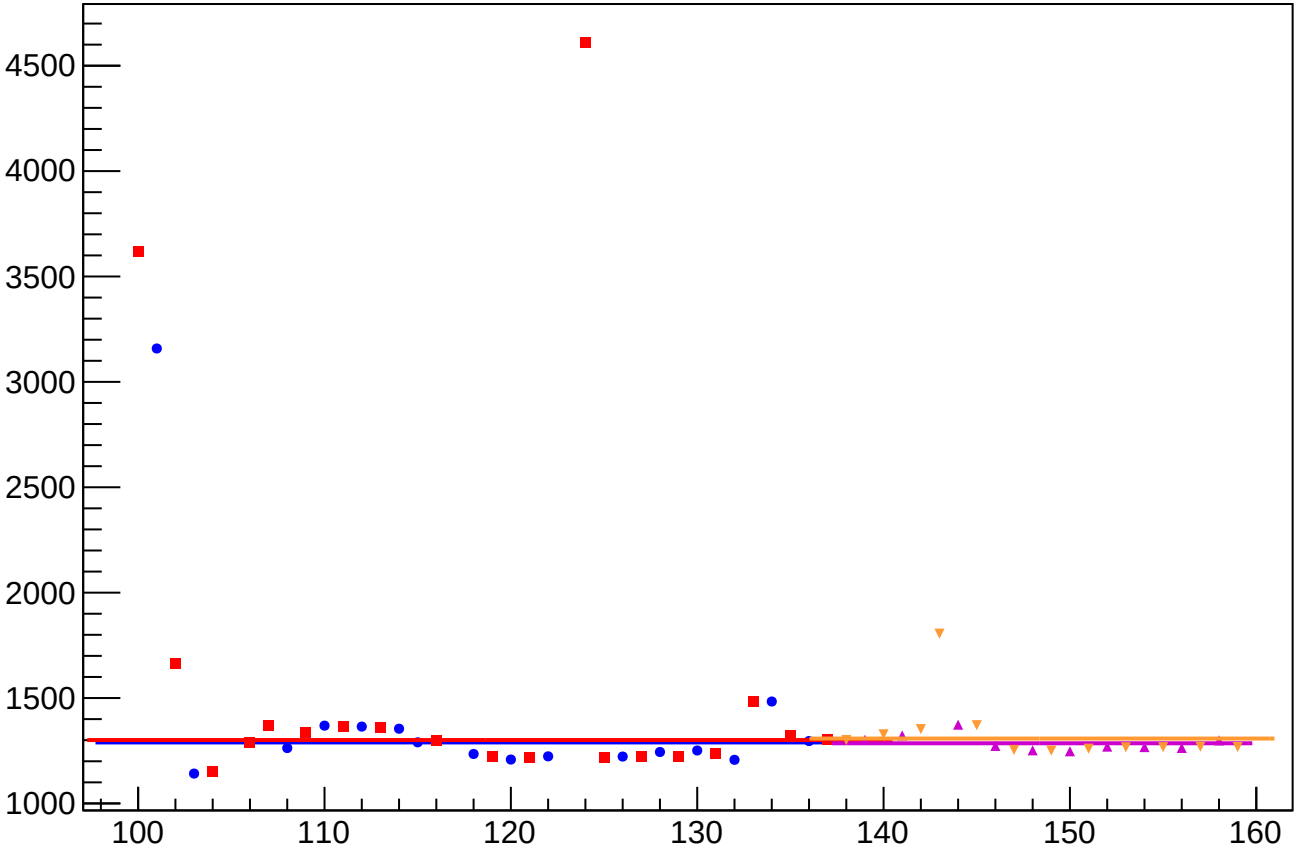
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 406.269+/-228.203 χ^2/NDF: 61.3/56

- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

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

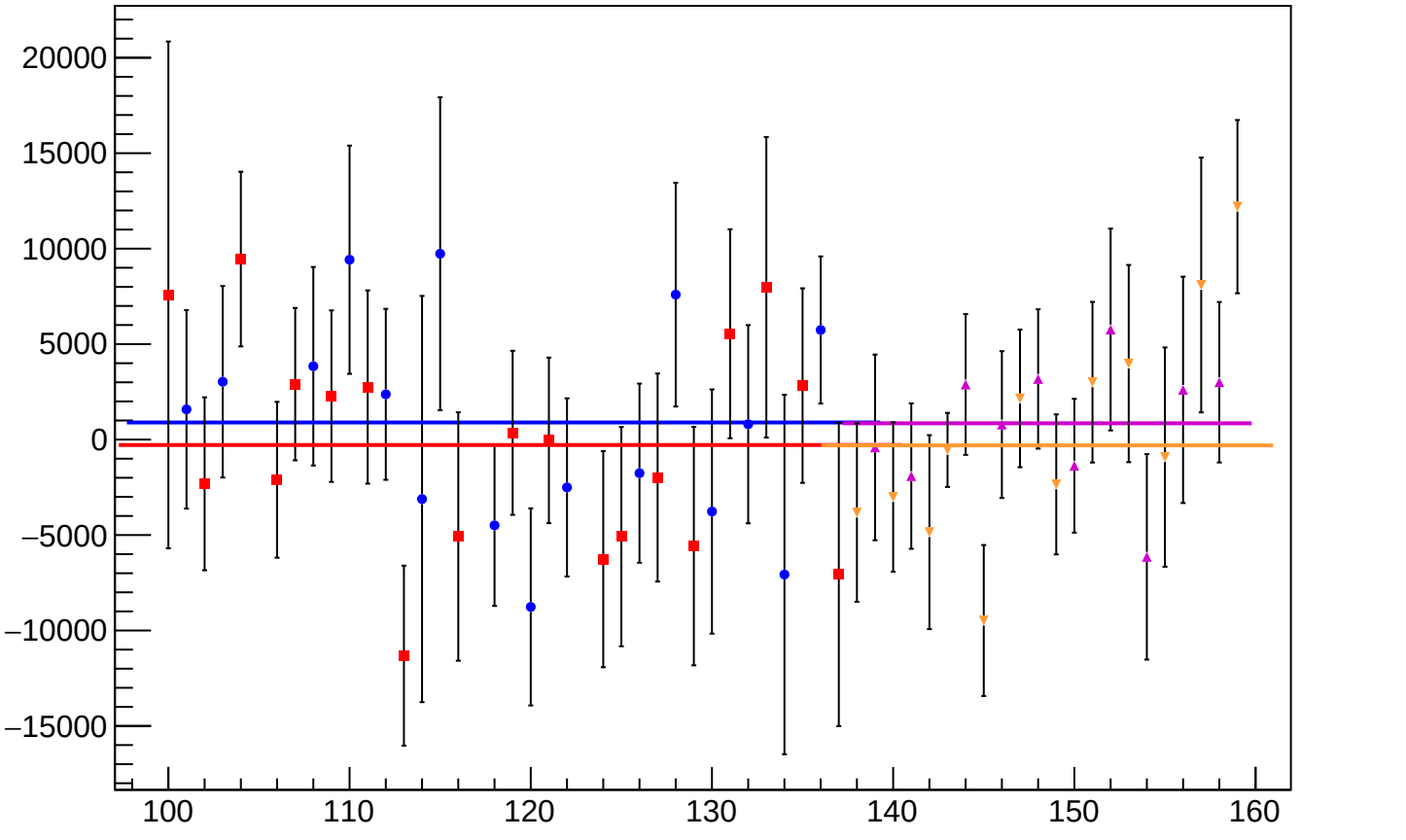
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -303.634+/-1100.137 χ^2/NDF:18.5/11

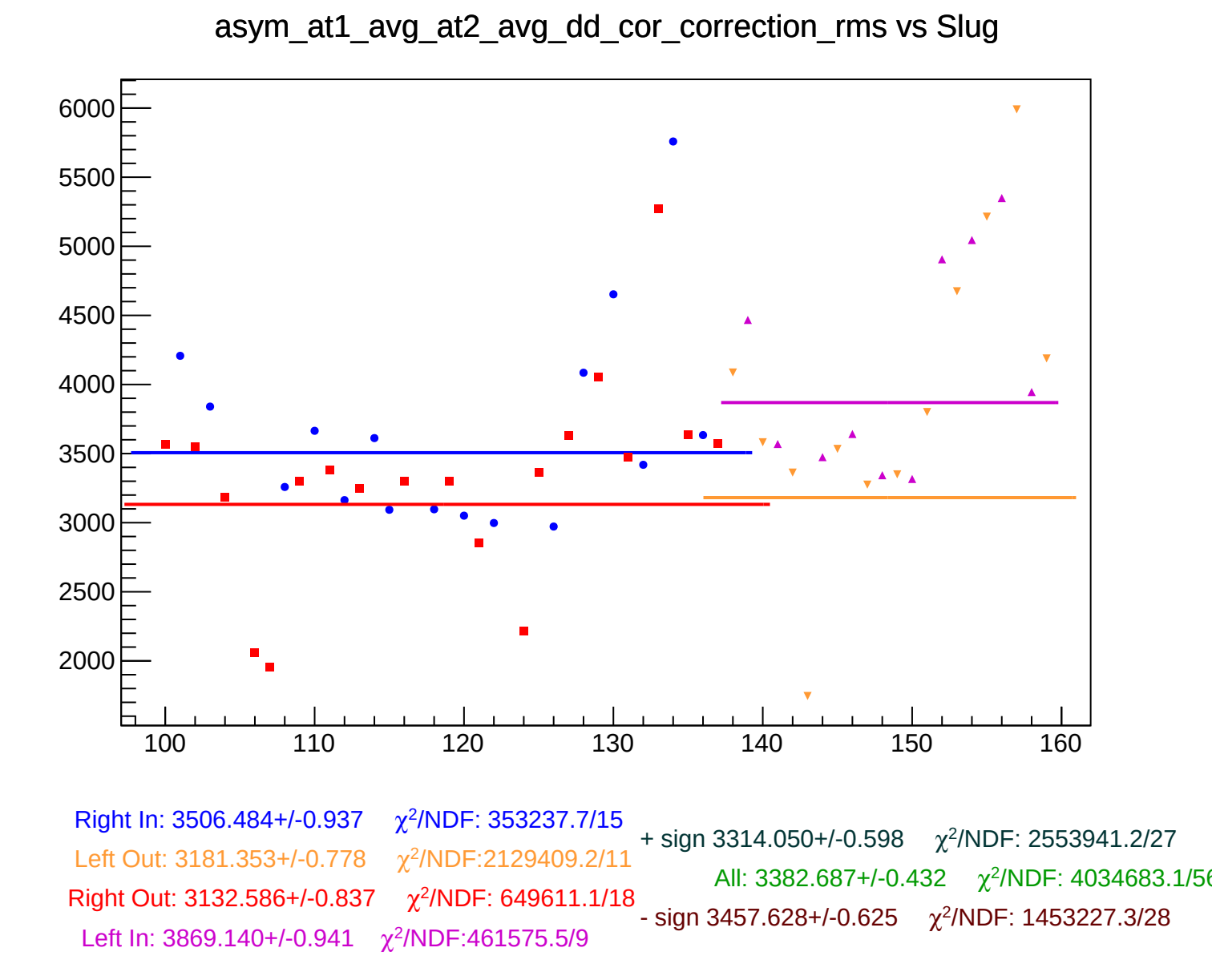
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

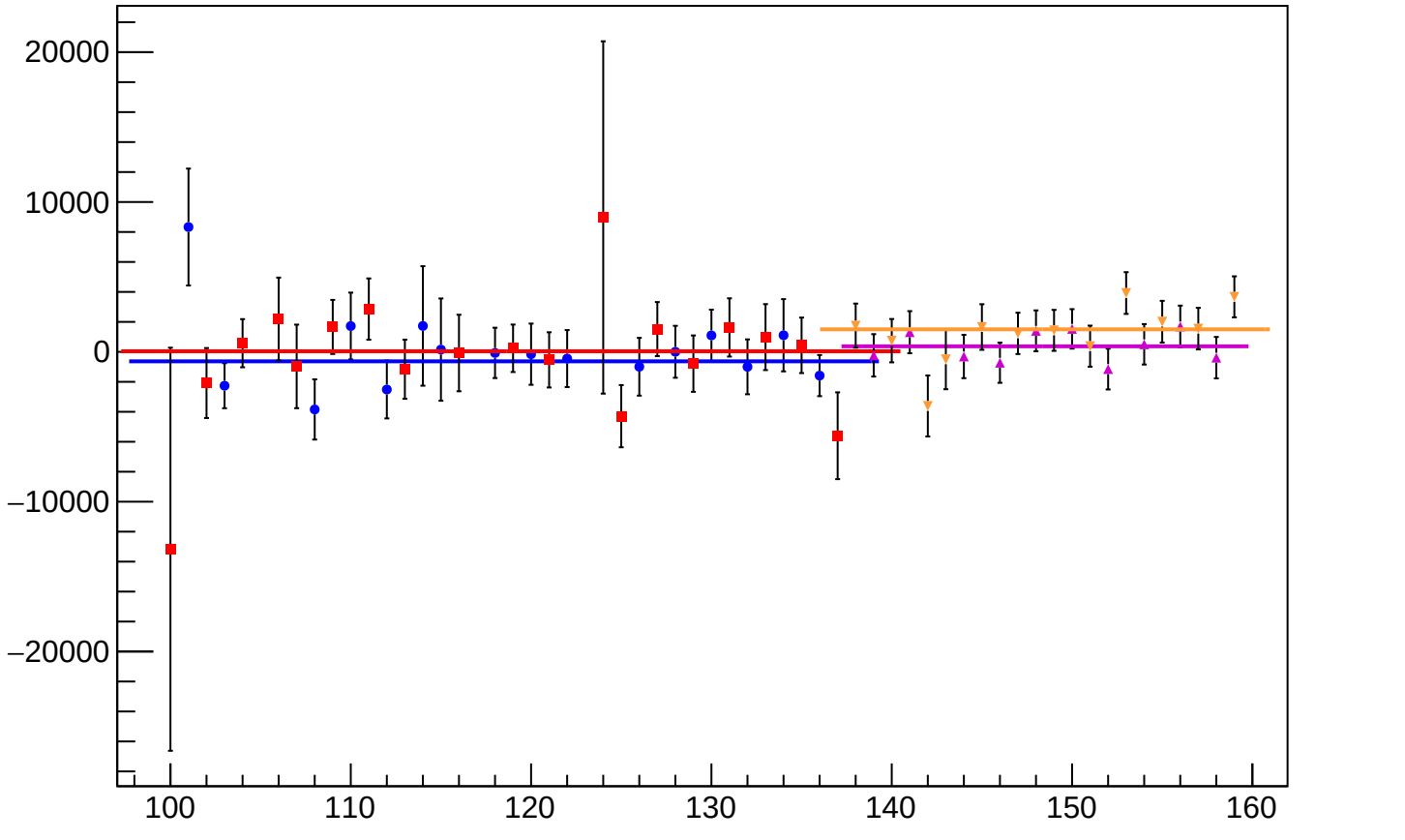
Left In: 853.565+/-1331.280 χ^2/NDF:4.6/9

\+ sign 185.983+/-846.367 χ^2/NDF: 33.1/27

All: 201.303+/-611.467 χ^2/NDF: 56.7/56

\- sign 218.029+/-884.376 χ^2/NDF: 23.6/28


asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3181.353+/-0.778 χ²/NDF:2129409.2/11
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 3869.140+/-0.941 χ²/NDF:461575.5/9
+ sign 3314.050+/-0.598 χ²/NDF: 2553941.2/27
All: 3382.687+/-0.432 χ²/NDF: 4034683.1/56
- sign 3457.628+/-0.625 χ²/NDF: 1453227.3/28



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

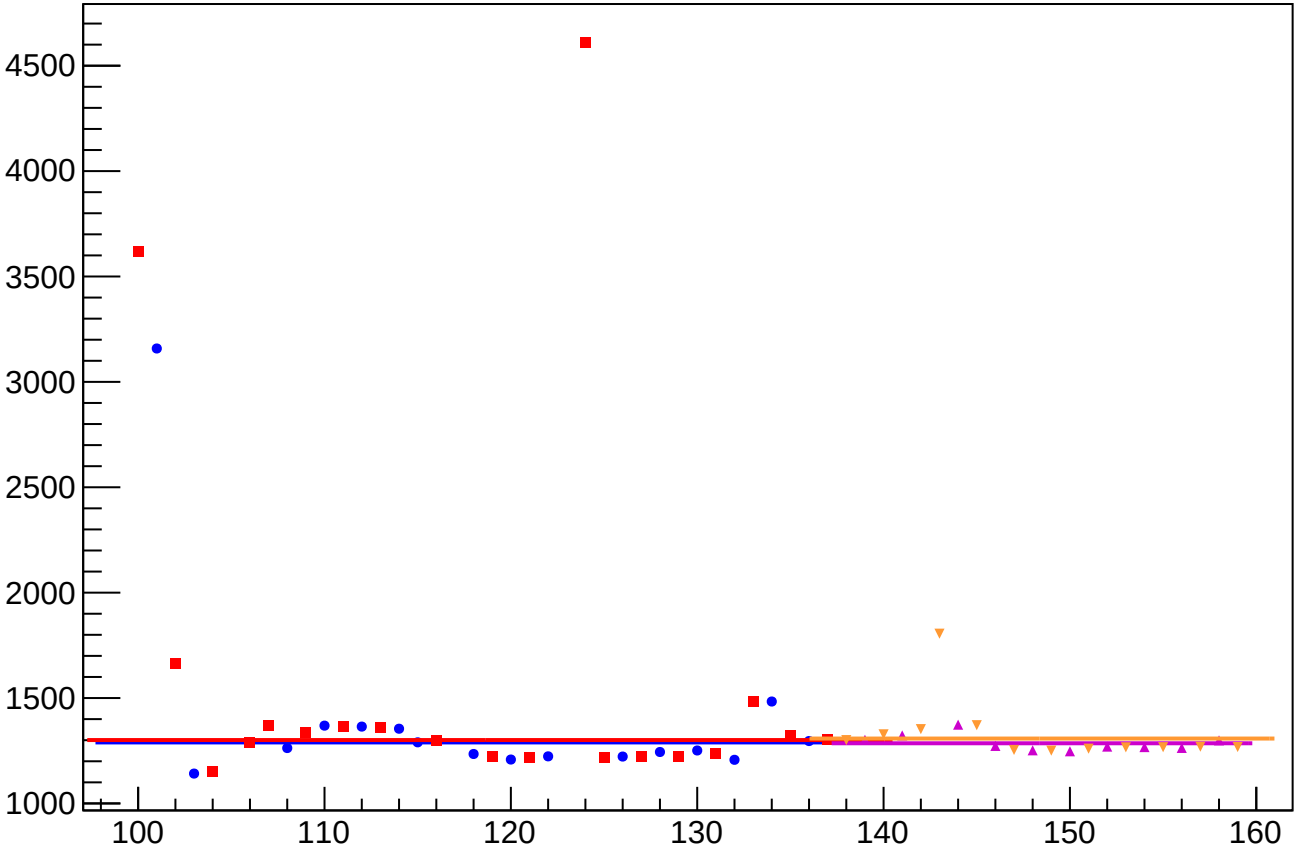
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 406.269+/-228.203 χ^2/NDF: 61.3/56

- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

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

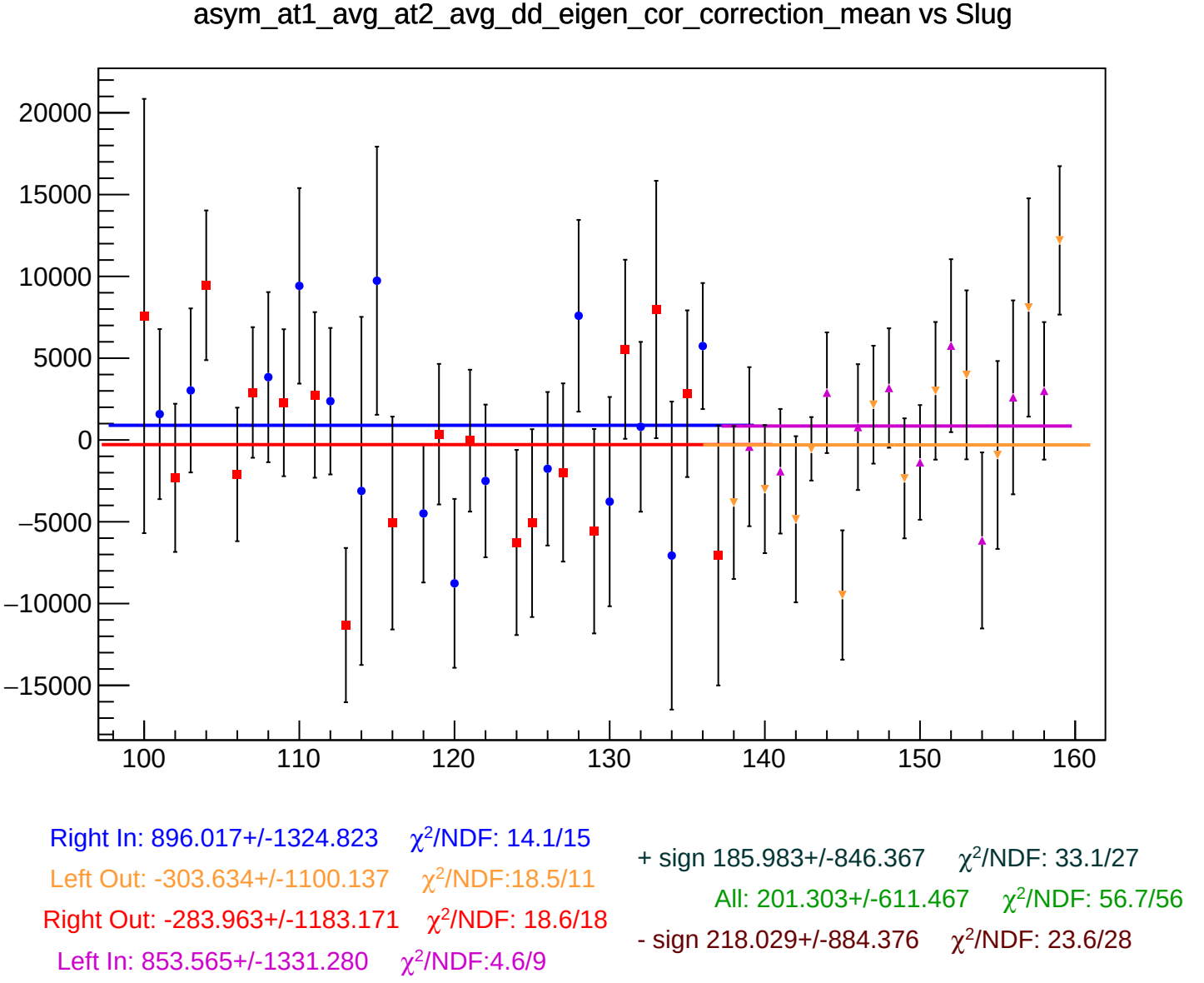
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

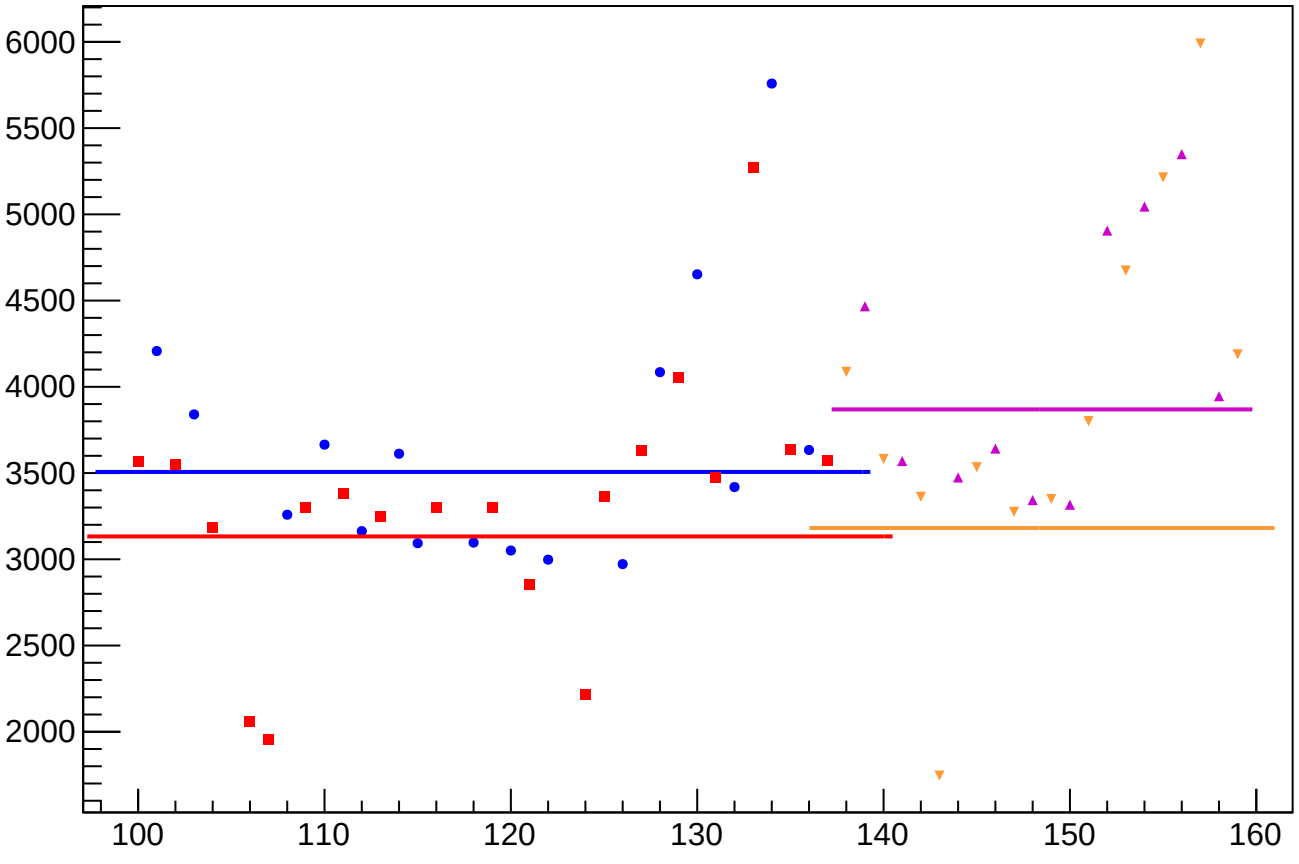
Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28


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: 853.565+/-1331.280 χ²/NDF:4.6/9
+ sign 185.983+/-846.367 χ²/NDF: 33.1/27
All: 201.303+/-611.467 χ²/NDF: 56.7/56
- sign 218.029+/-884.376 χ²/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

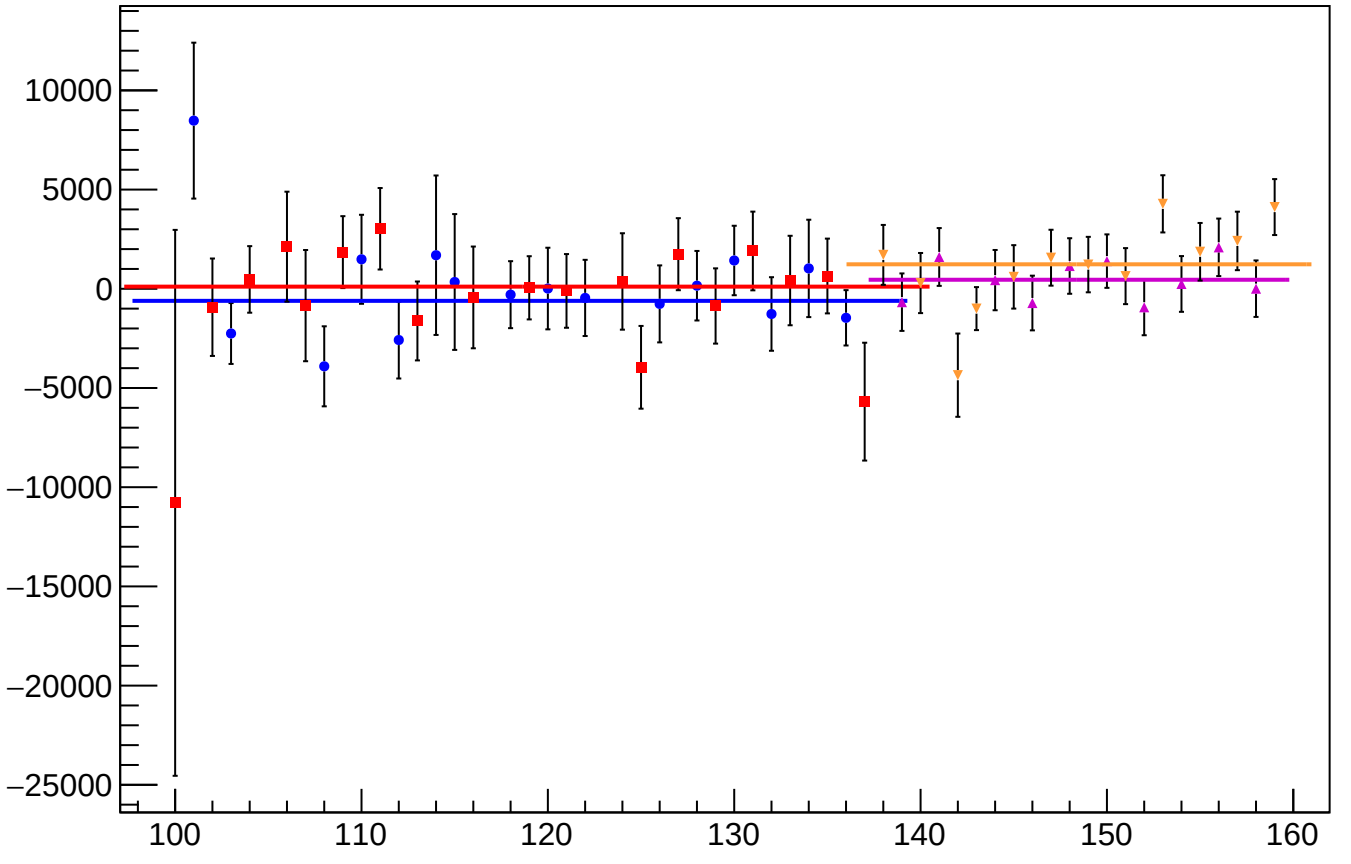
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

\+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56

\- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28



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

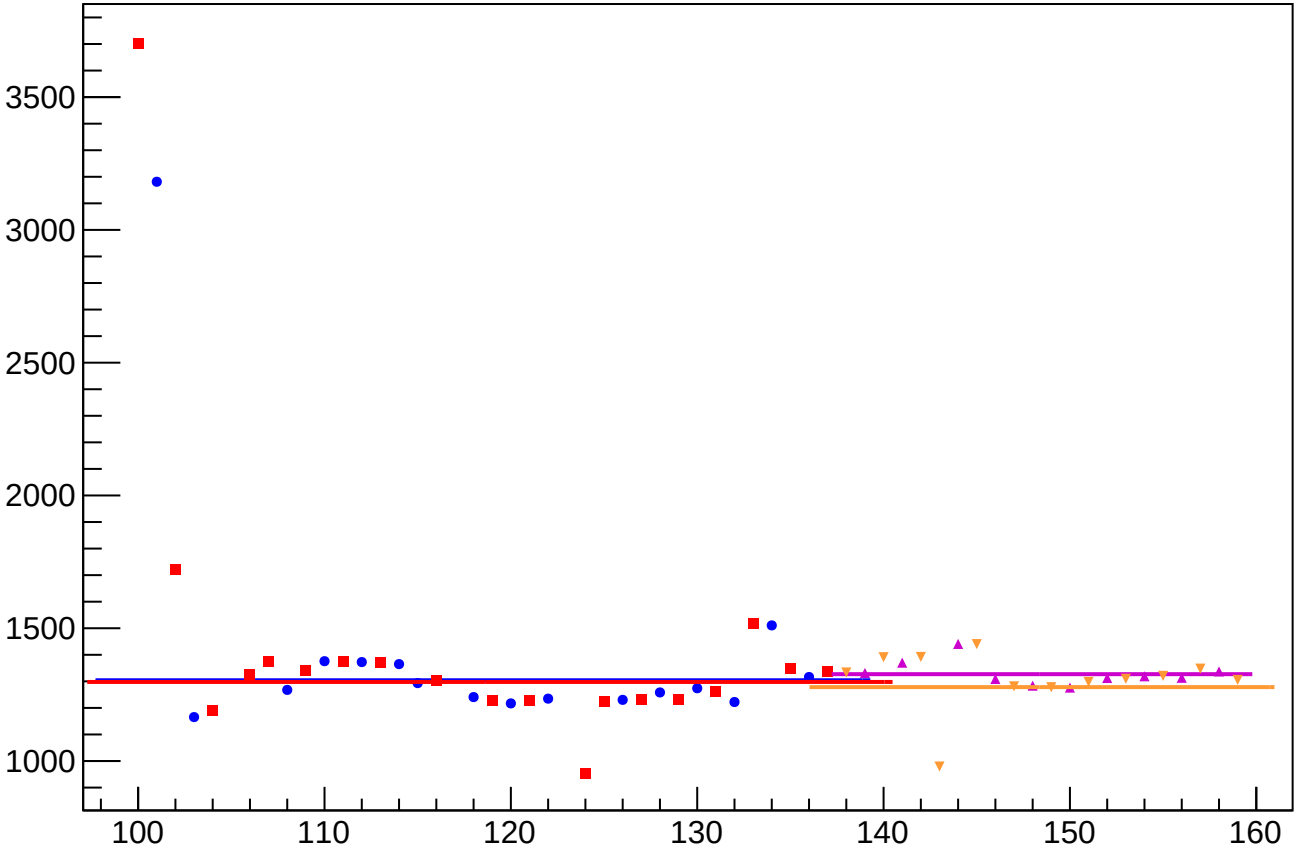
Left In: 455.385+/-449.548 χ^2/NDF:5.0/9

\+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 386.059+/-229.022 χ^2/NDF: 64.3/56

\- sign 295.331+/-329.873 χ^2/NDF: 20.2/28

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

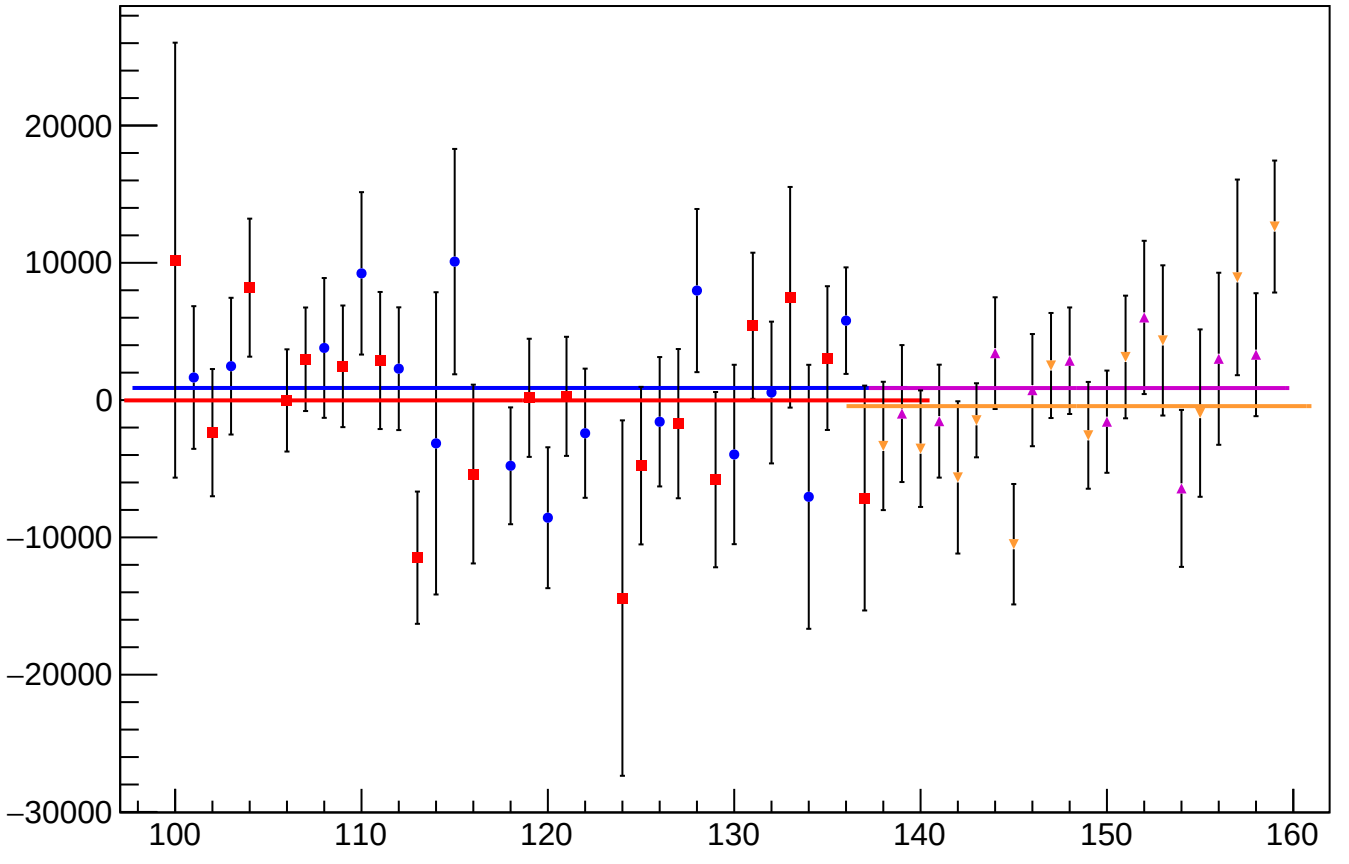
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

+ sign 1289.000+/-0.225 χ^2/NDF: 714367.9/27

All: 1300.834+/-0.162 χ^2/NDF: 955783.2/56

- sign 1313.542+/-0.233 χ^2/NDF: 235679.0/28



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -439.004+/-1258.889 χ^2/NDF:18.6/11

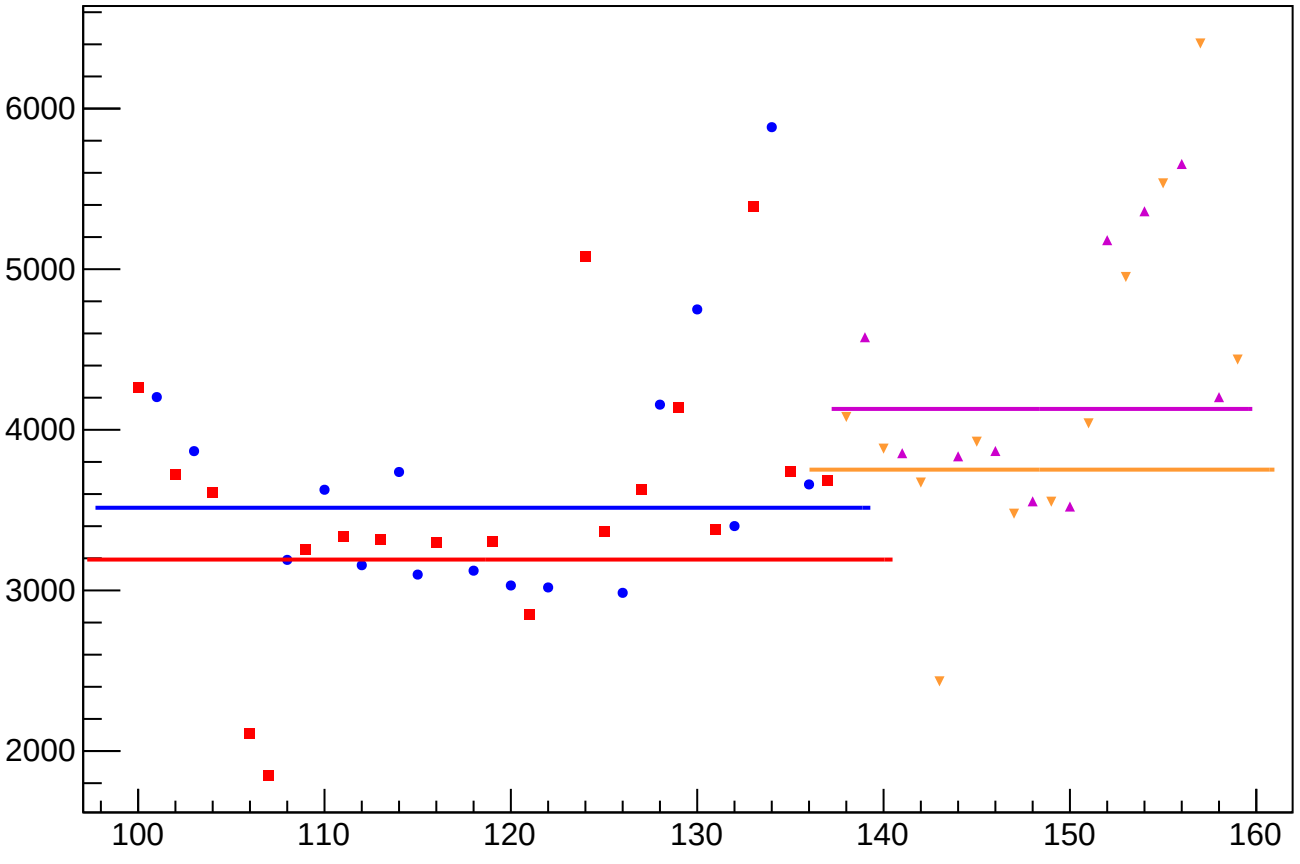
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.681 χ^2/NDF:4.5/9

\+ sign 187.504+/-913.429 χ^2/NDF: 33.3/27

All: 270.273+/-646.966 χ^2/NDF: 54.8/56

\- sign 353.595+/-916.474 χ^2/NDF: 21.5/28



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3752.024+/-0.890 χ^2/NDF:1101737.2/11

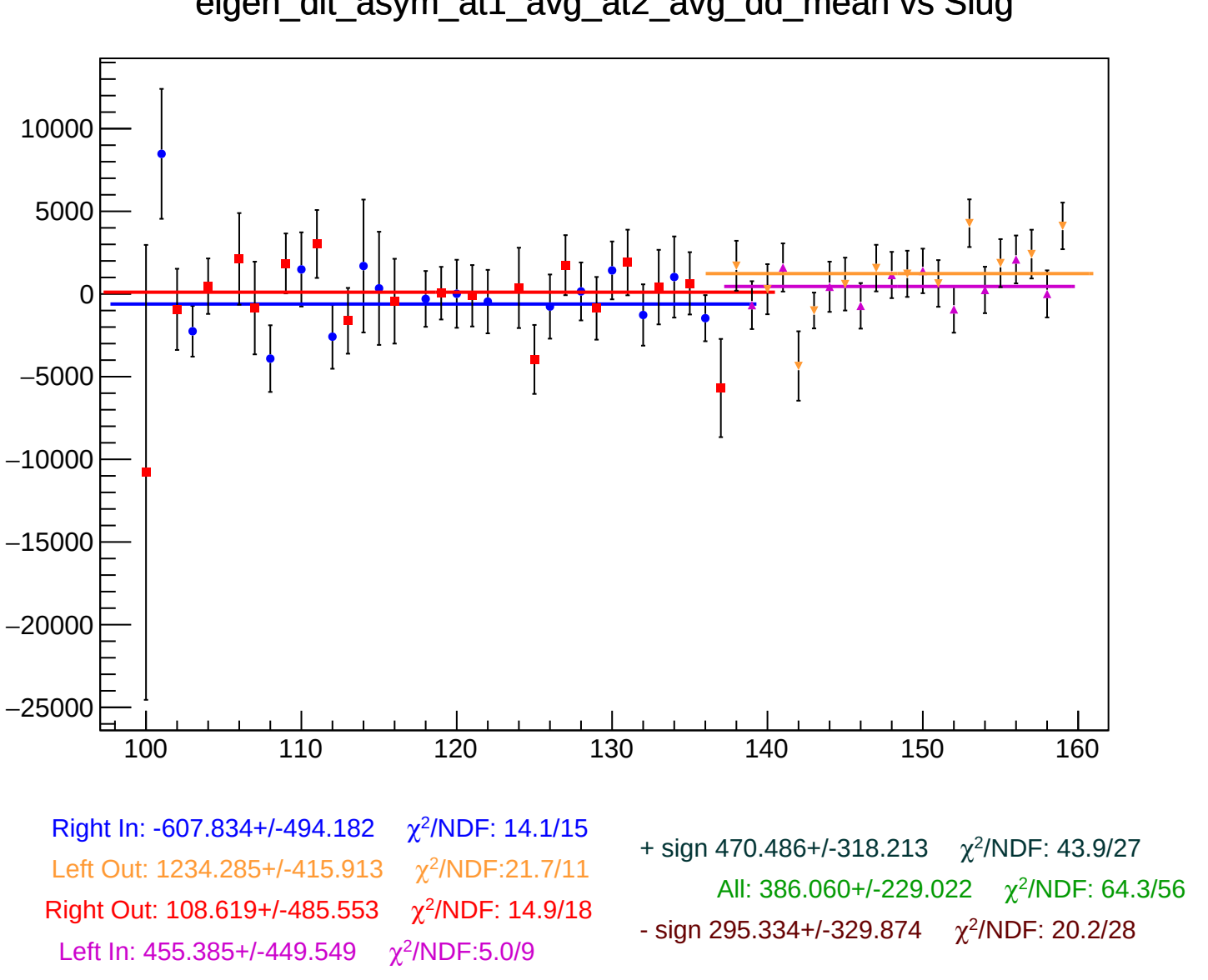
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

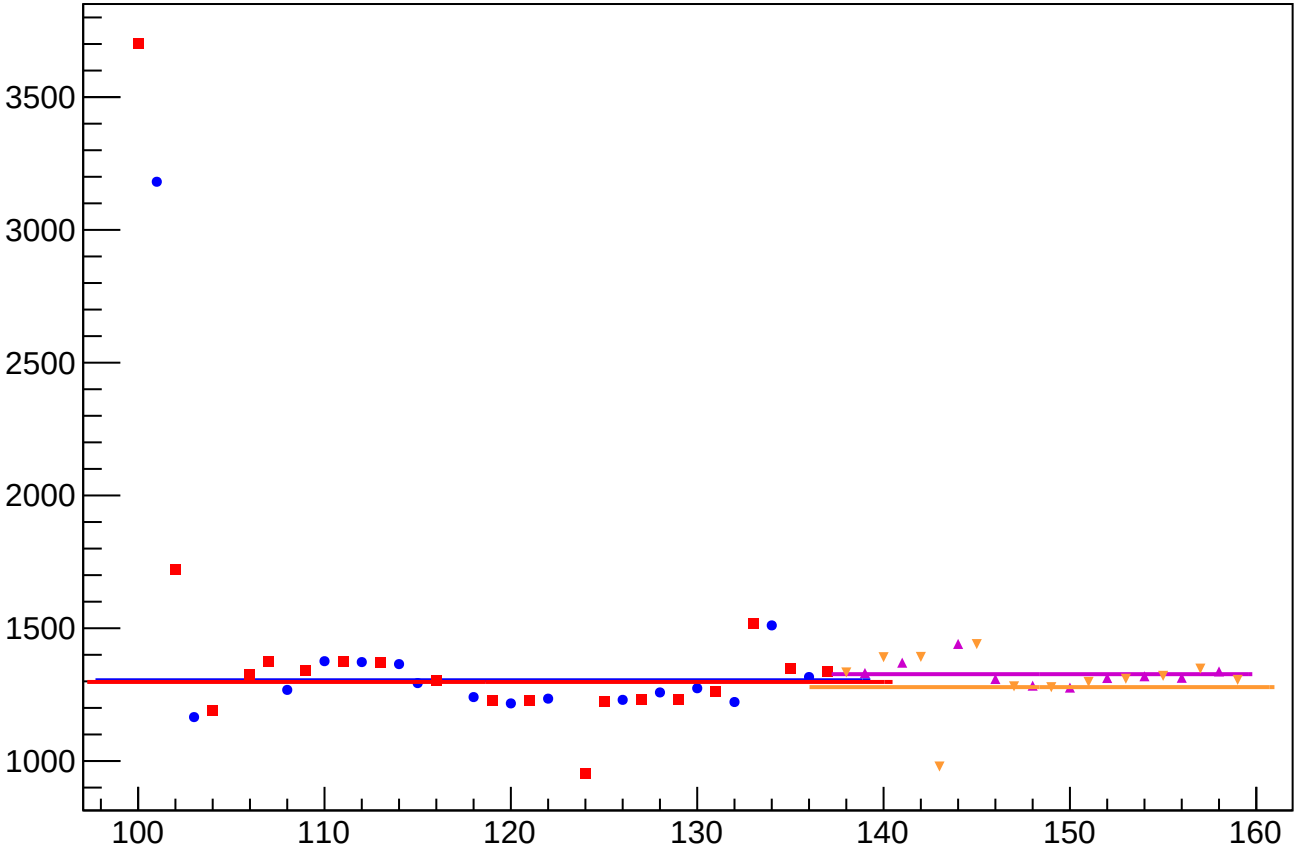
+ sign 3639.666+/-0.646 χ^2/NDF: 1510460.7/27

All: 3611.445+/-0.457 χ^2/NDF: 3219311.7/56

- sign 3583.036+/-0.648 χ^2/NDF: 1705020.2/28


eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -607.834+/-494.182 χ²/NDF: 14.1/15
Left Out: 1234.285+/-415.913 χ²/NDF:21.7/11
Right Out: 108.619+/-485.553 χ²/NDF: 14.9/18
Left In: 455.385+/-449.549 χ²/NDF:5.0/9
+ sign 470.486+/-318.213 χ²/NDF: 43.9/27
All: 386.060+/-229.022 χ²/NDF: 64.3/56
- sign 295.334+/-329.874 χ²/NDF: 20.2/28

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

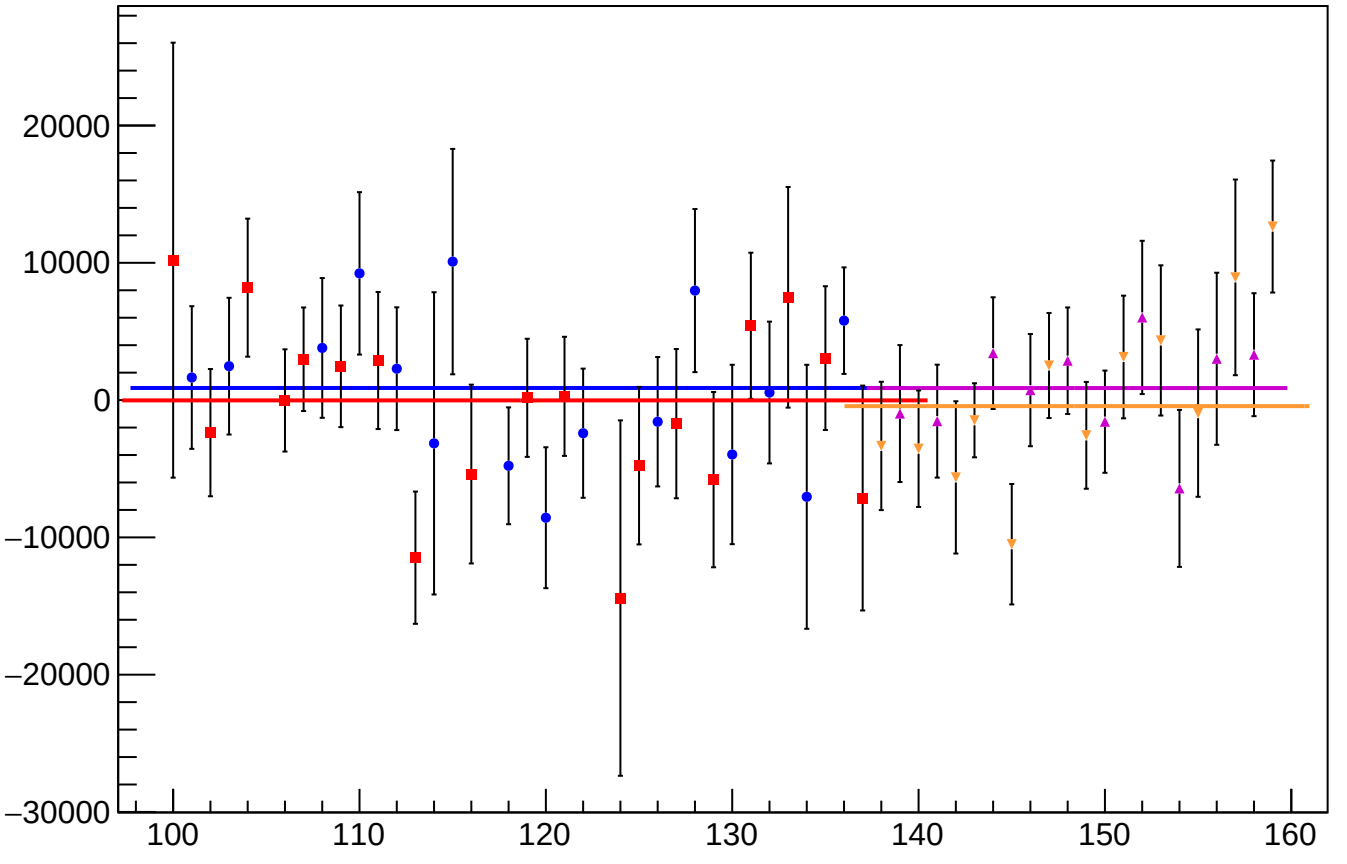
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

+ sign 1289.001+/-0.225 χ^2/NDF: 714368.3/27

All: 1300.835+/-0.162 χ^2/NDF: 955784.0/56

- sign 1313.543+/-0.233 χ^2/NDF: 235679.4/28



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -439.000+/-1258.891 χ^2/NDF:18.6/11

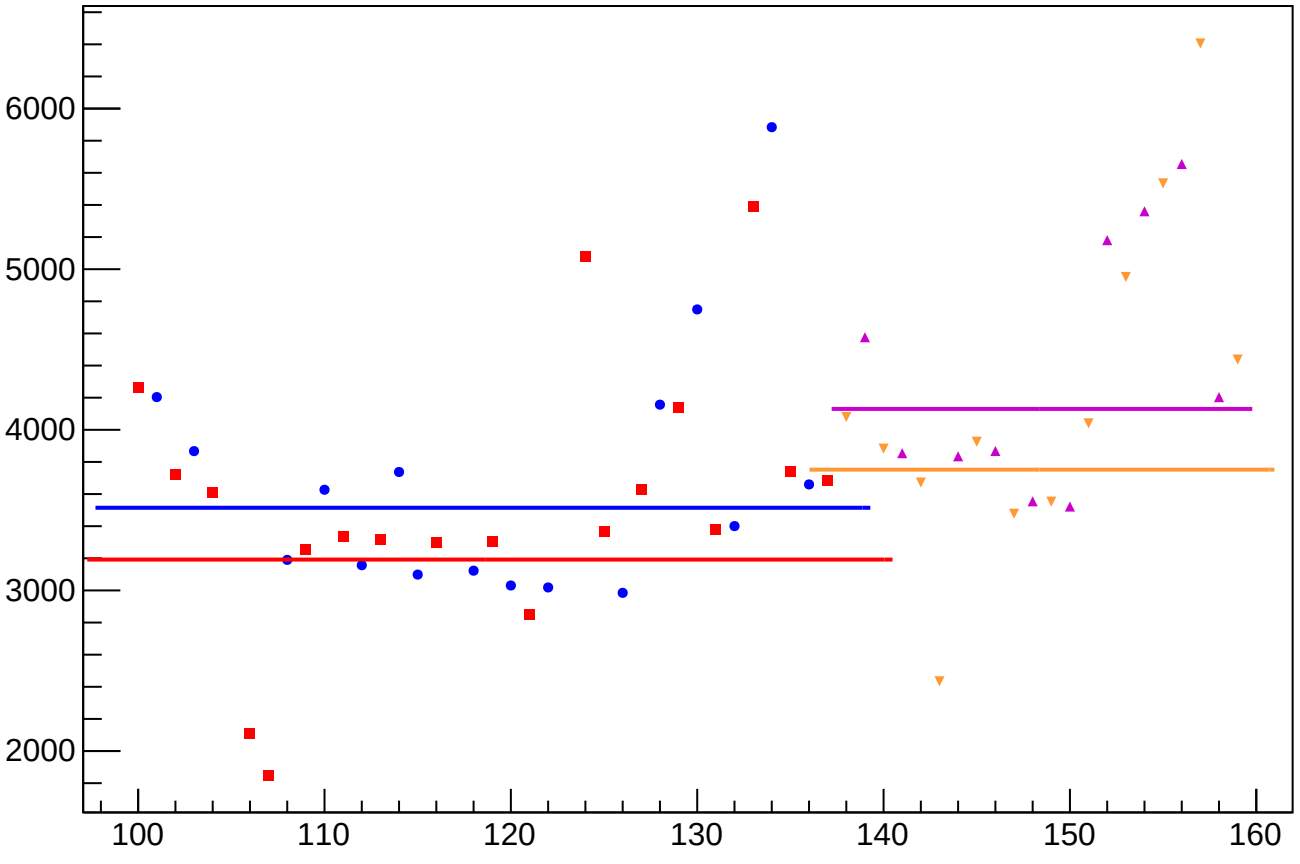
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.683 χ^2/NDF:4.5/9

\+ sign 187.504+/-913.428 χ^2/NDF: 33.3/27

All: 270.273+/-646.965 χ^2/NDF: 54.8/56

\- sign 353.596+/-916.473 χ^2/NDF: 21.5/28



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

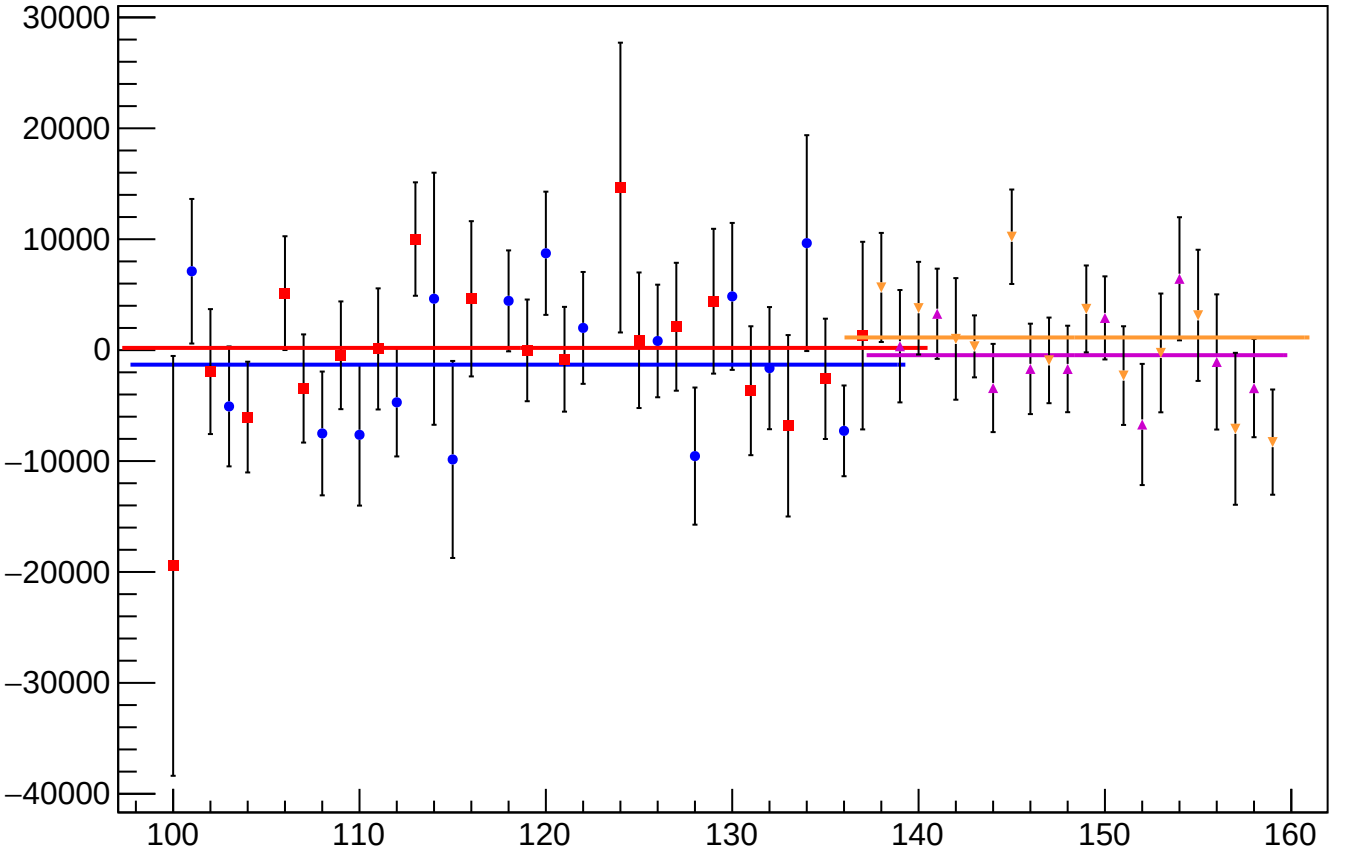
Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

+ sign 3639.664+/-0.646 χ^2/NDF: 1510469.1/27

All: 3611.442+/-0.457 χ^2/NDF: 3219337.8/56

- sign 3583.032+/-0.648 χ^2/NDF: 1705037.6/28

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

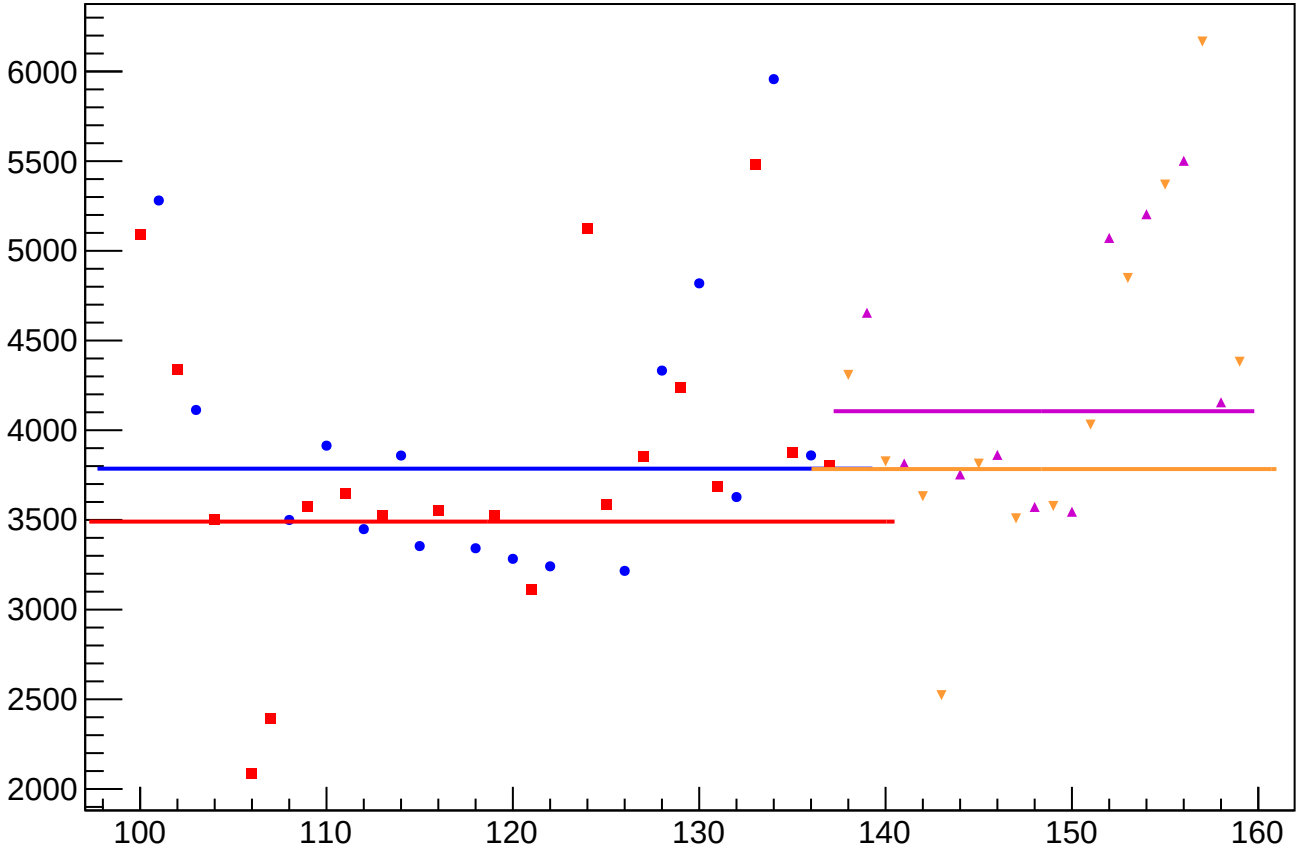
Left In: -454.679+/-1408.822 χ^2/NDF:5.7/9

+ sign 70.235+/-947.016 χ^2/NDF: 32.0/27

All: -17.363+/-677.431 χ^2/NDF: 49.5/56

- sign -109.159+/-969.441 χ^2/NDF: 17.5/28

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

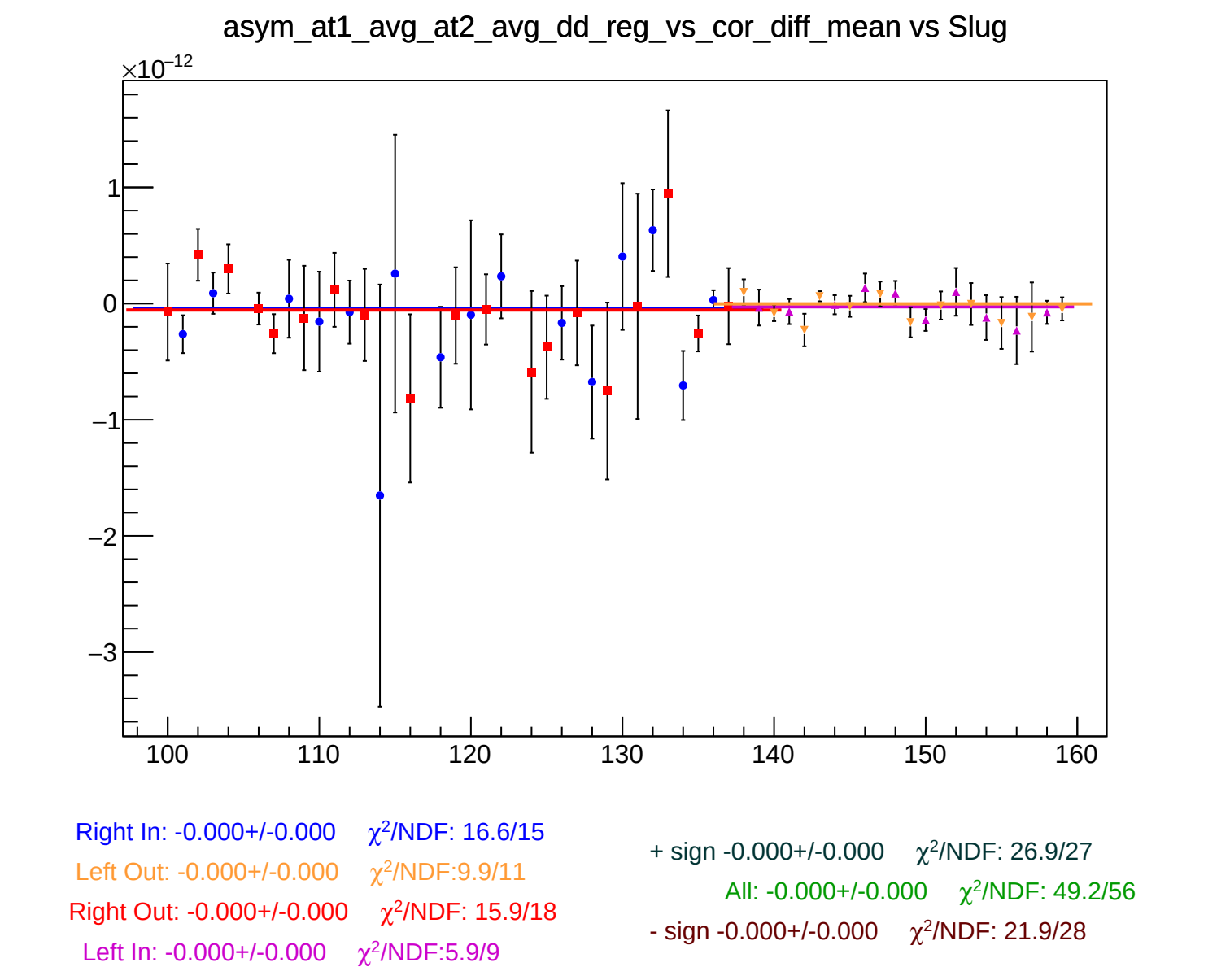
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

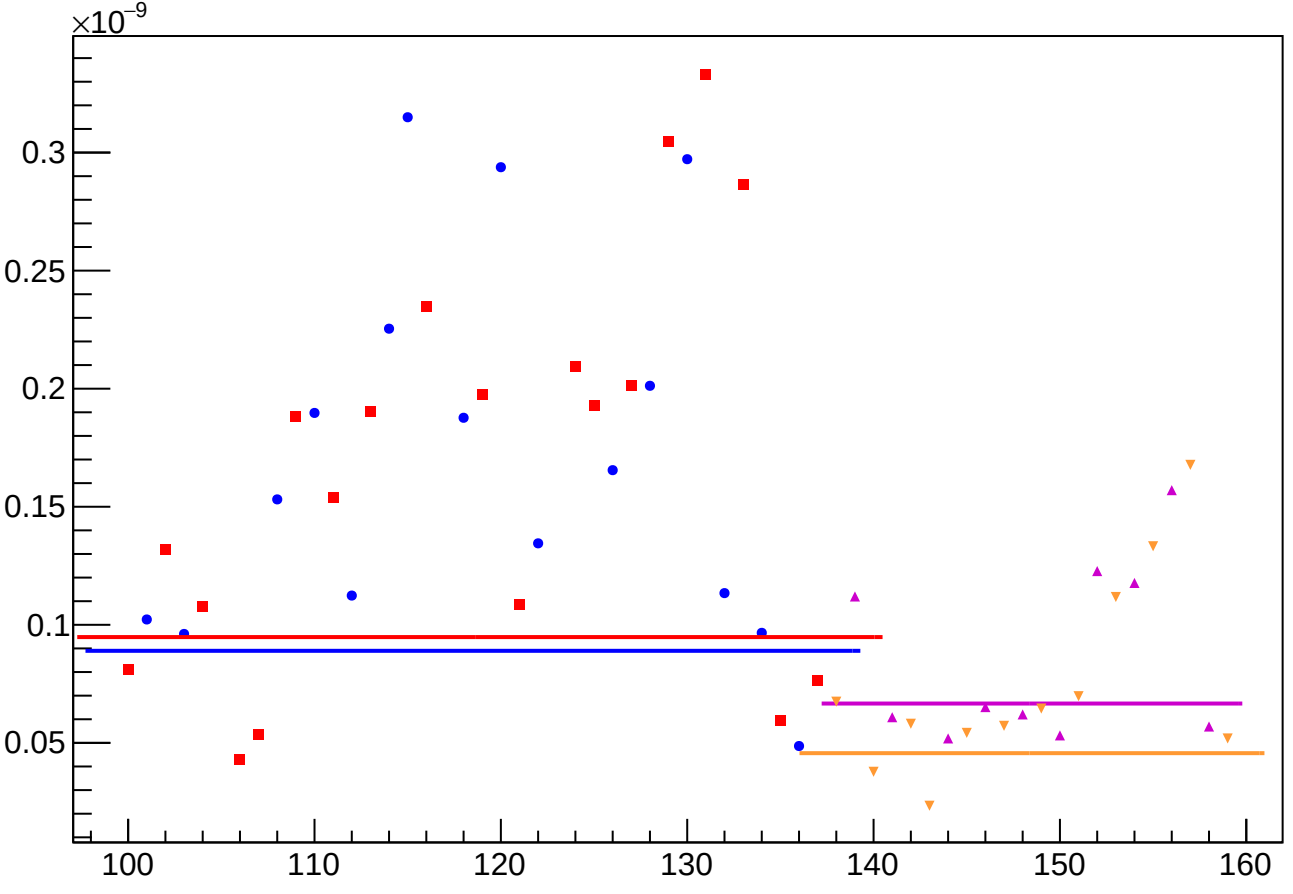
Left In: 4105.999+/-0.996 χ^2/NDF:384869.6/9

+ sign 3784.486+/-0.670 χ^2/NDF: 1333117.1/27

All: 3781.196+/-0.477 χ^2/NDF: 2508270.3/56

- sign 3777.797+/-0.681 χ^2/NDF: 1175104.2/28


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:5.9/9
+ sign -0.000+/-0.000 χ²/NDF: 26.9/27
All: -0.000+/-0.000 χ²/NDF: 49.2/56
- sign -0.000+/-0.000 χ²/NDF: 21.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719207.8/11

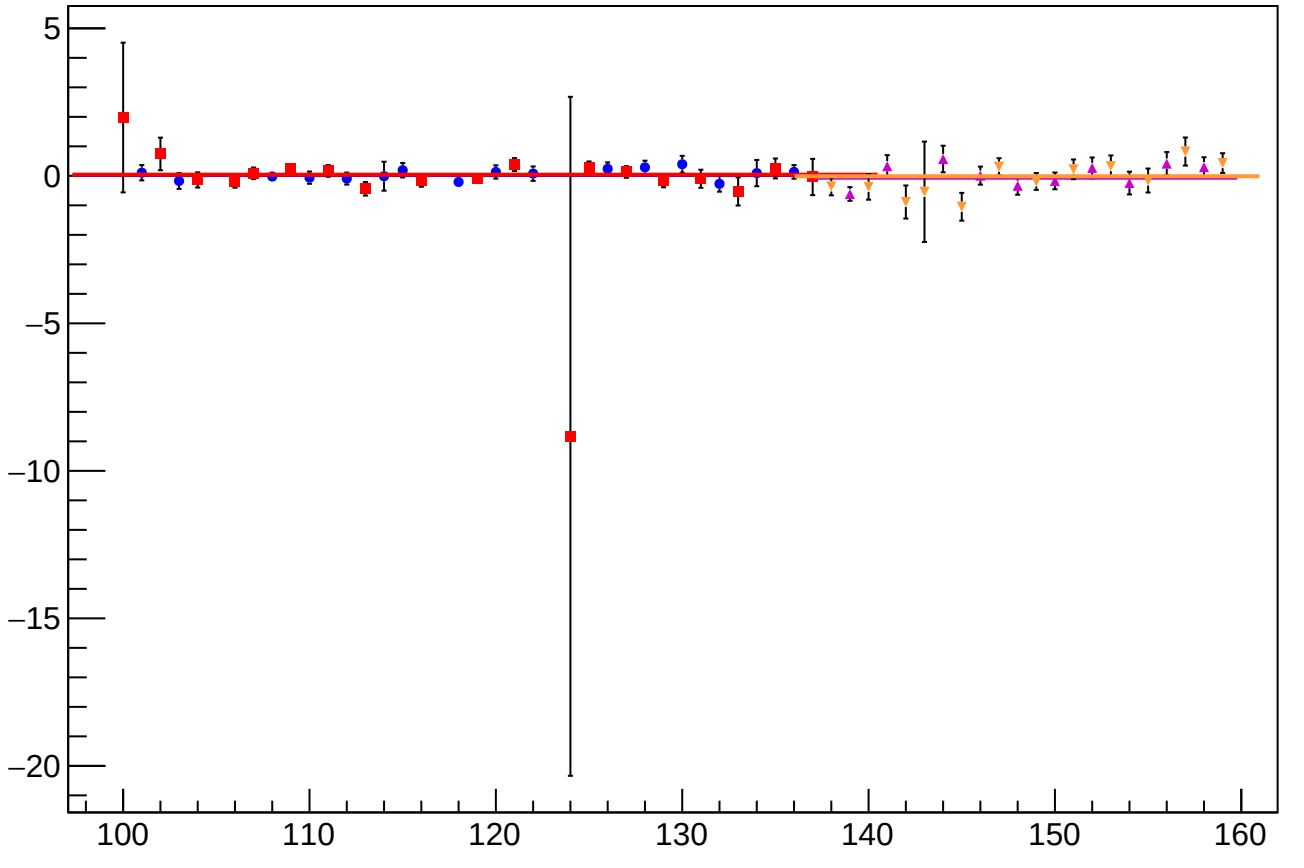
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 4070274.2/27

All: 0.000+/-0.000 χ^2/NDF: 7396914.7/56

- sign 0.000+/-0.000 χ^2/NDF: 2812992.9/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

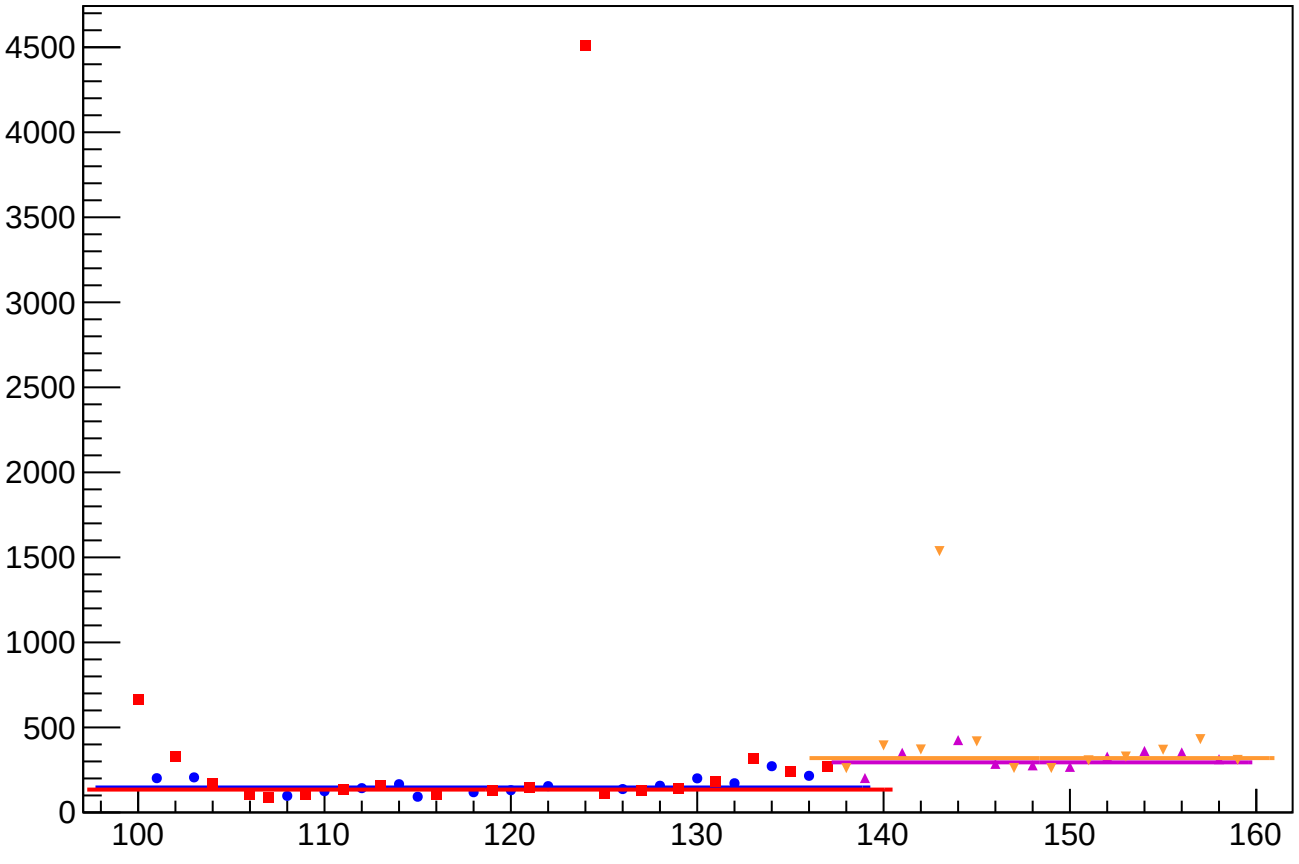
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 319.653+/-0.077 χ^2/NDF:1573887.6/11

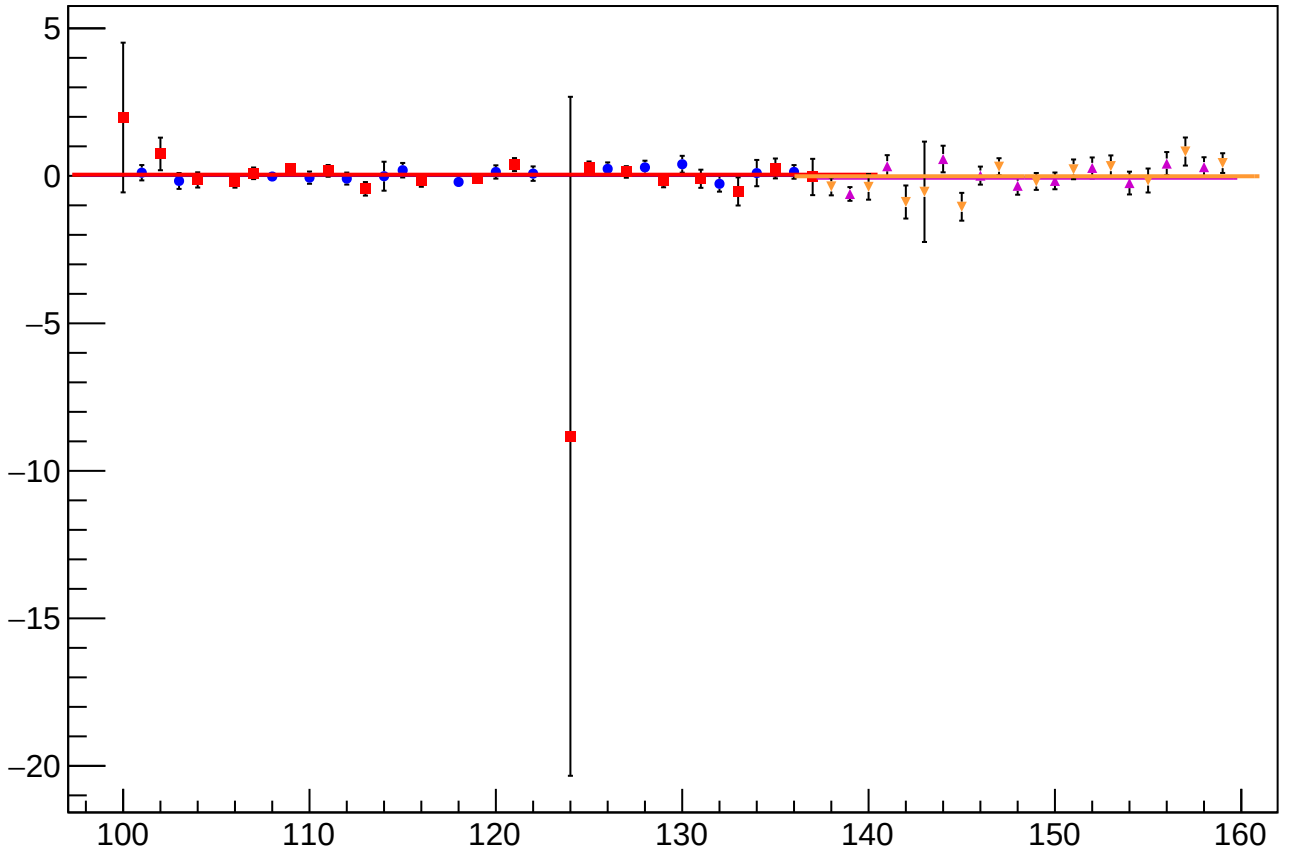
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

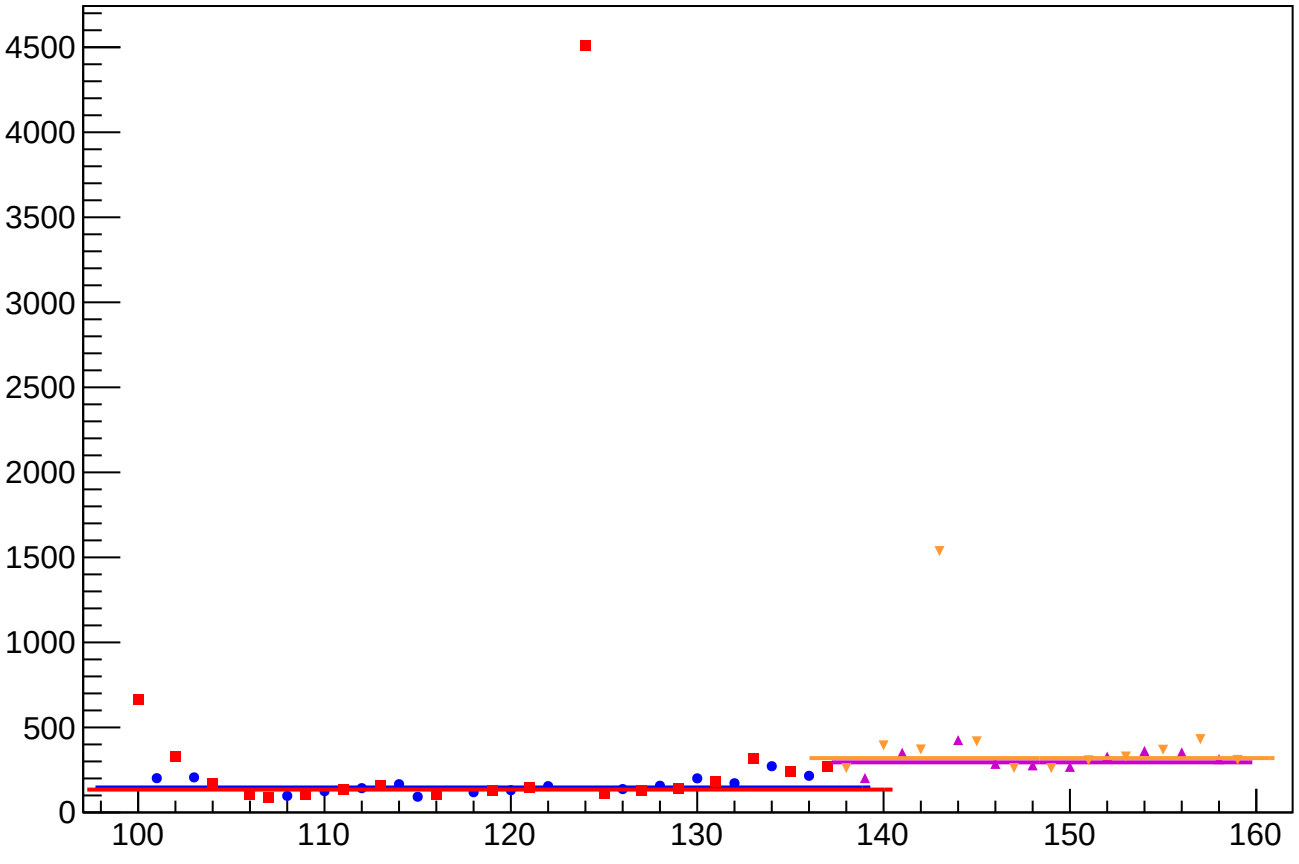
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 319.653+/-0.077 χ^2/NDF:1573887.6/11

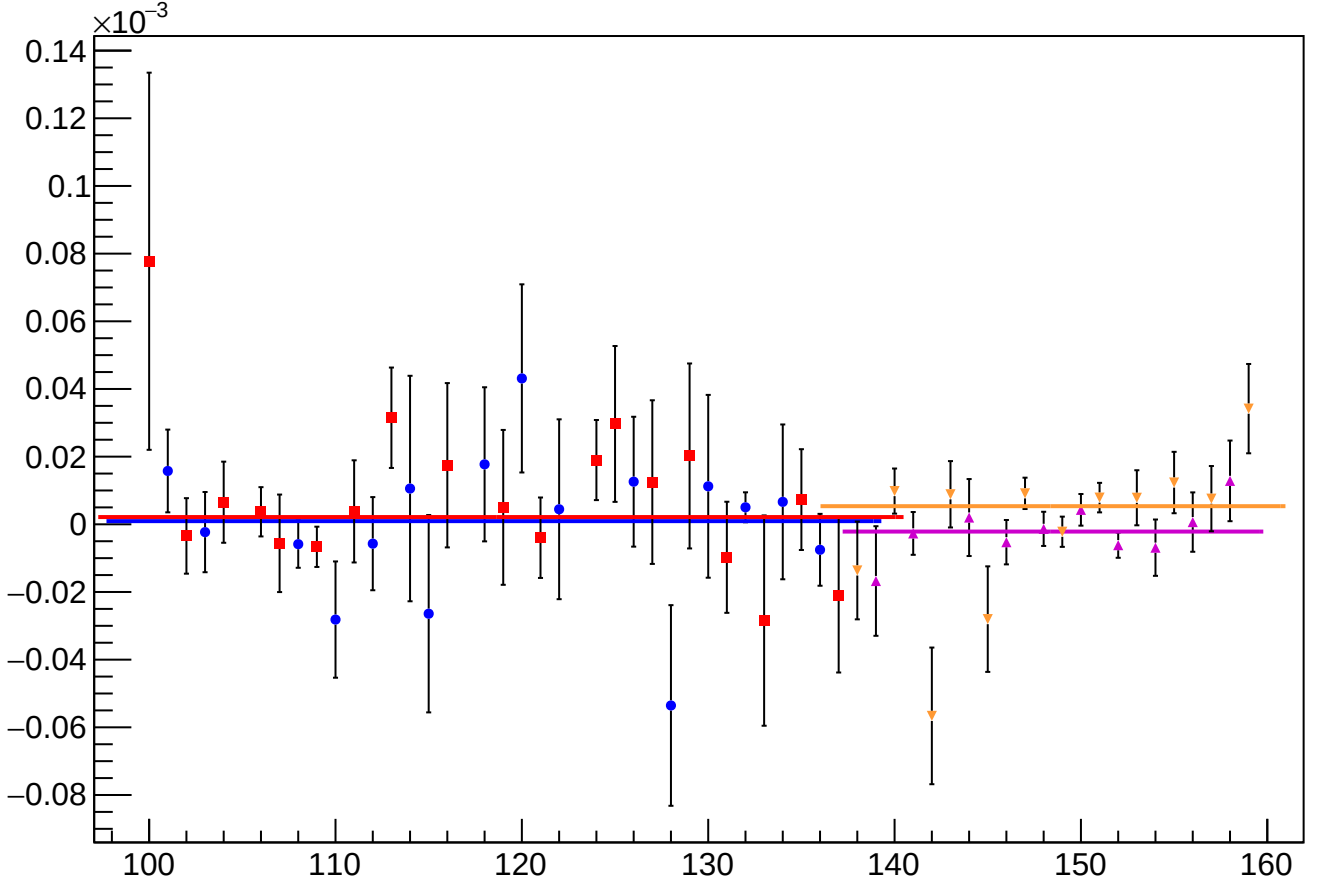
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/11

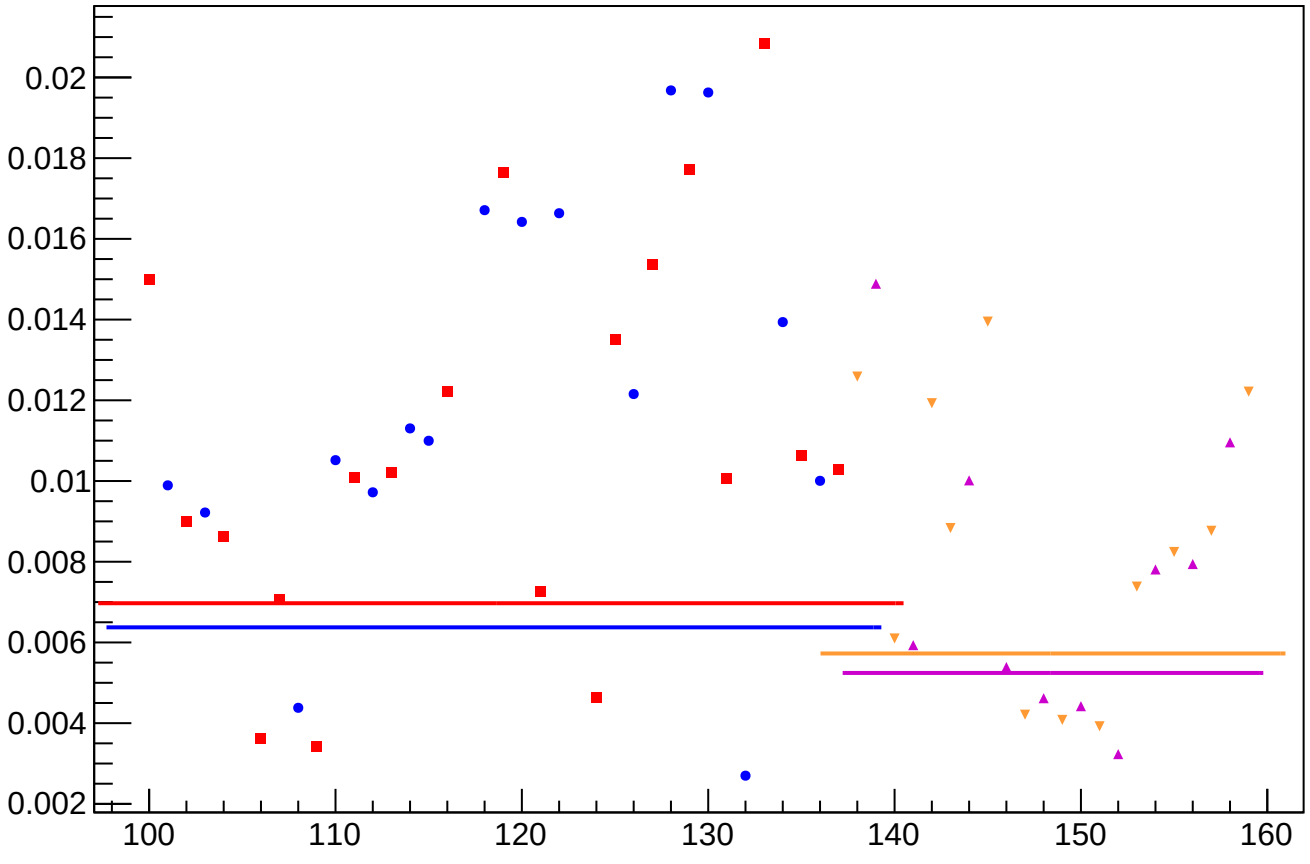
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/27

All: 0.000+/-0.000 χ^2/NDF: 69.8/56

- sign -0.000+/-0.000 χ^2/NDF: 23.7/28



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:3148839.7/11

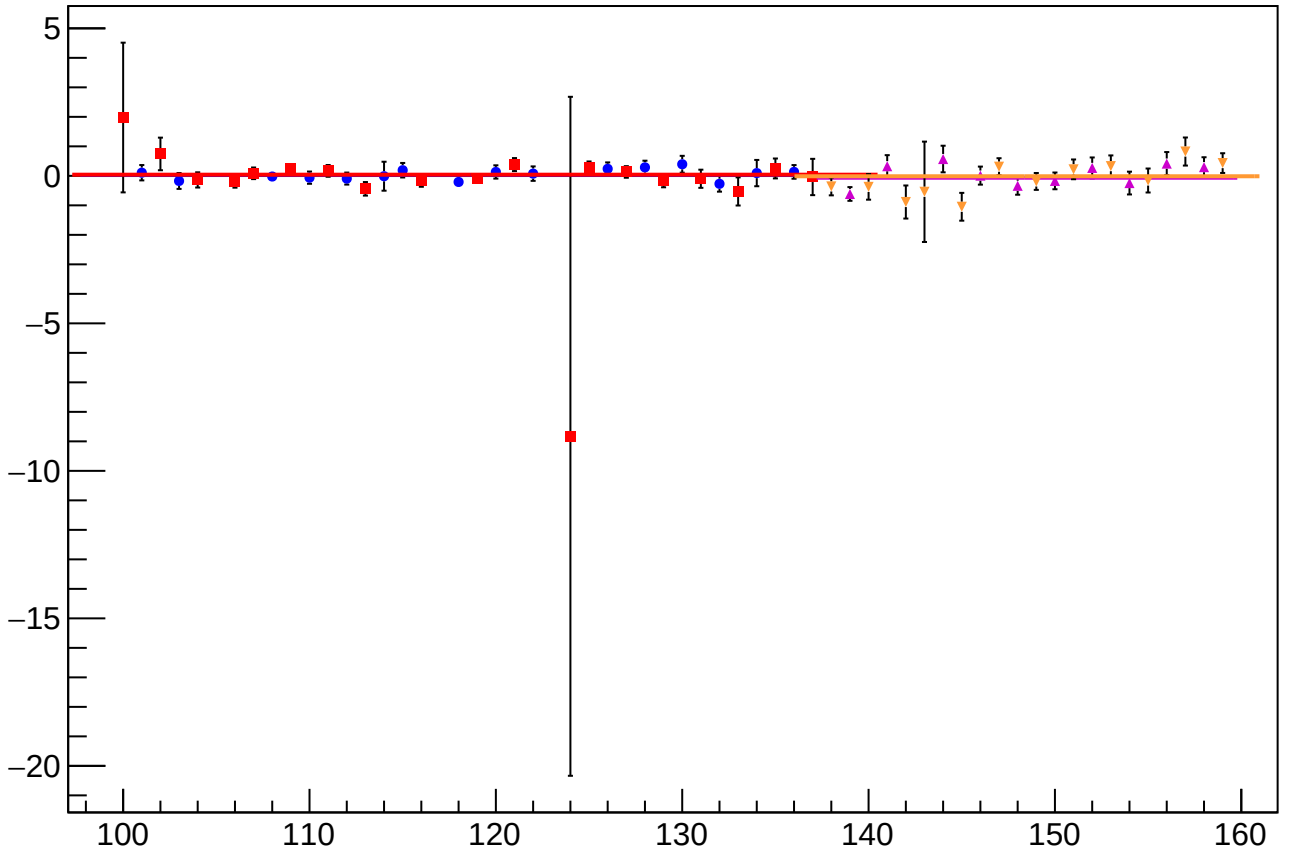
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

+ sign 0.006+/-0.000 χ^2/NDF: 7854201.6/27

All: 0.006+/-0.000 χ^2/NDF: 14328889.4/56

- sign 0.006+/-0.000 χ^2/NDF: 6464444.3/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

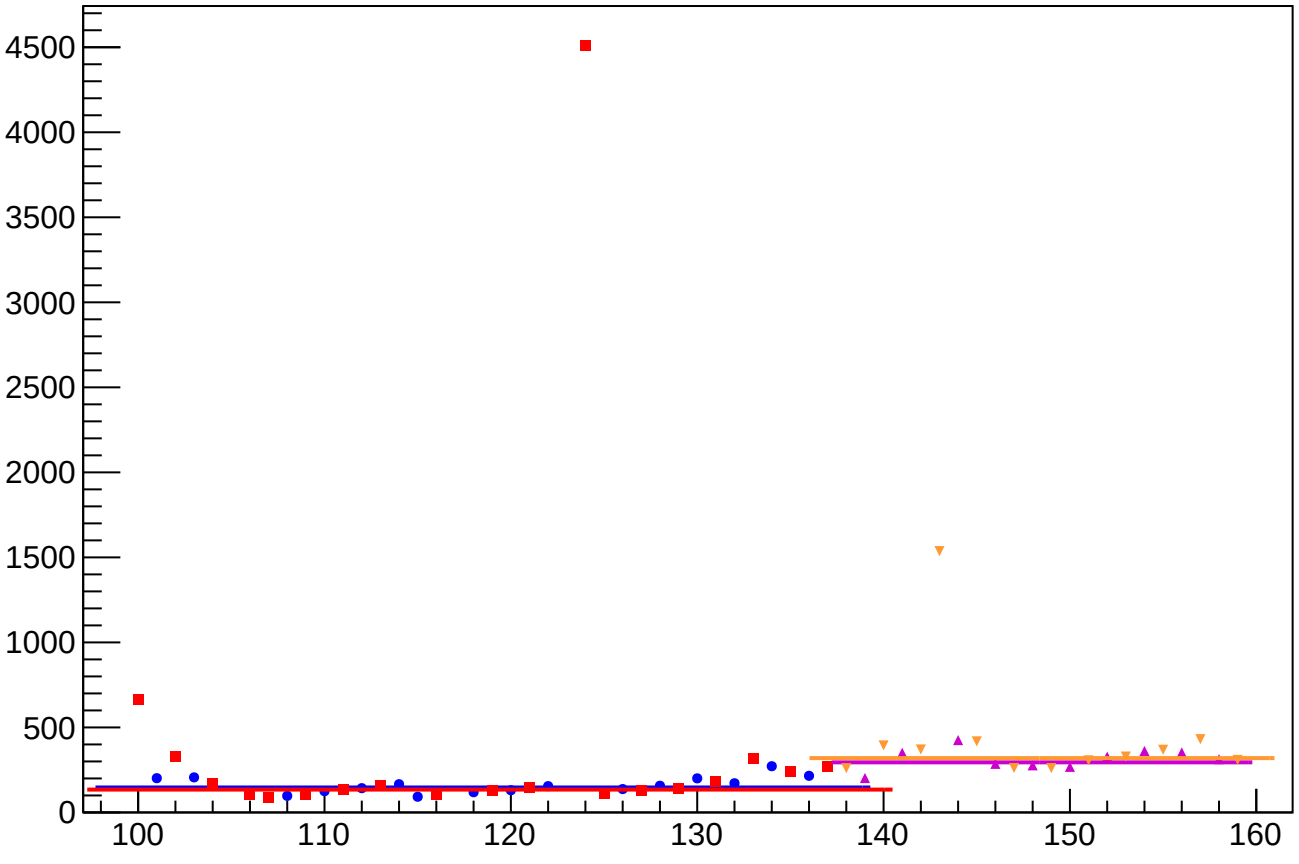
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 319.656+/-0.077 χ^2/NDF:1573890.2/11

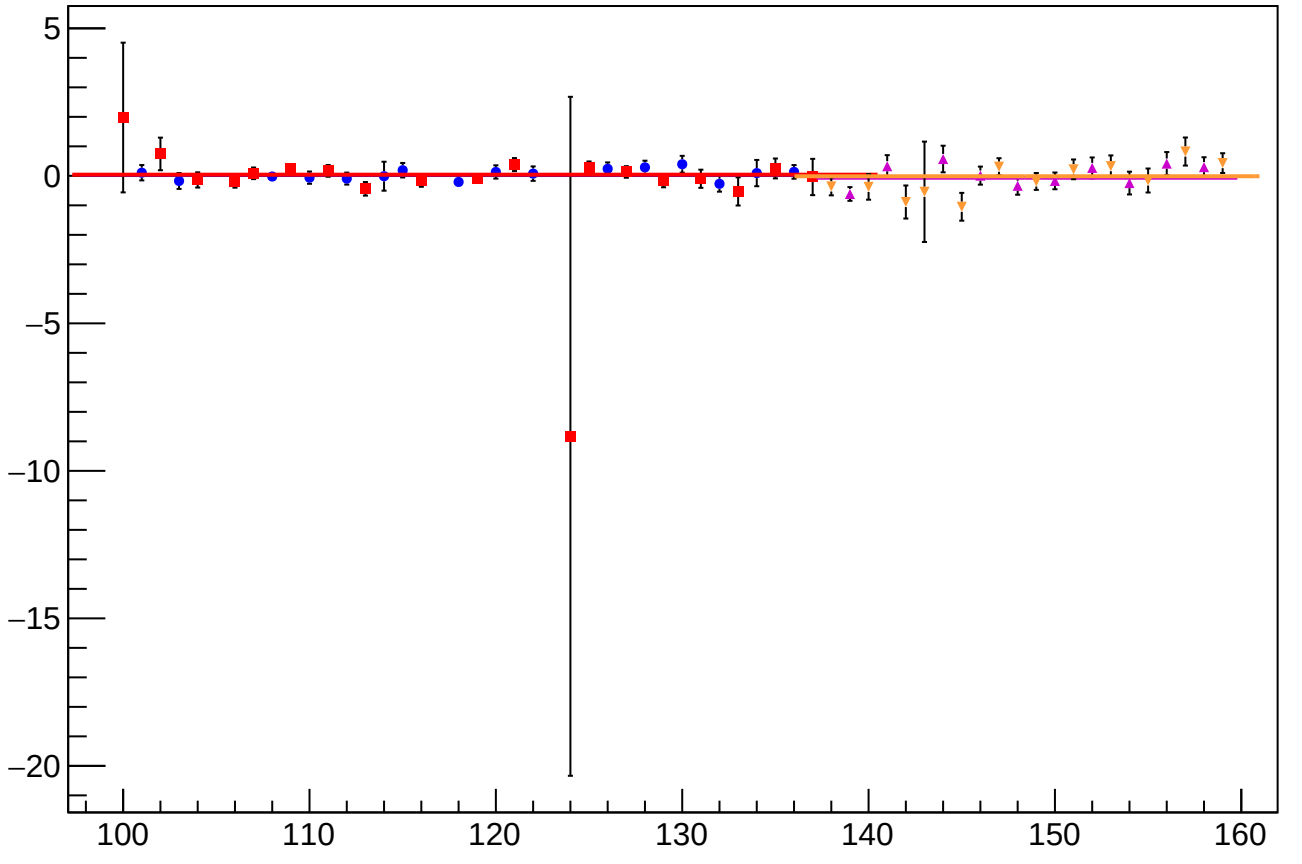
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511183.9/27

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

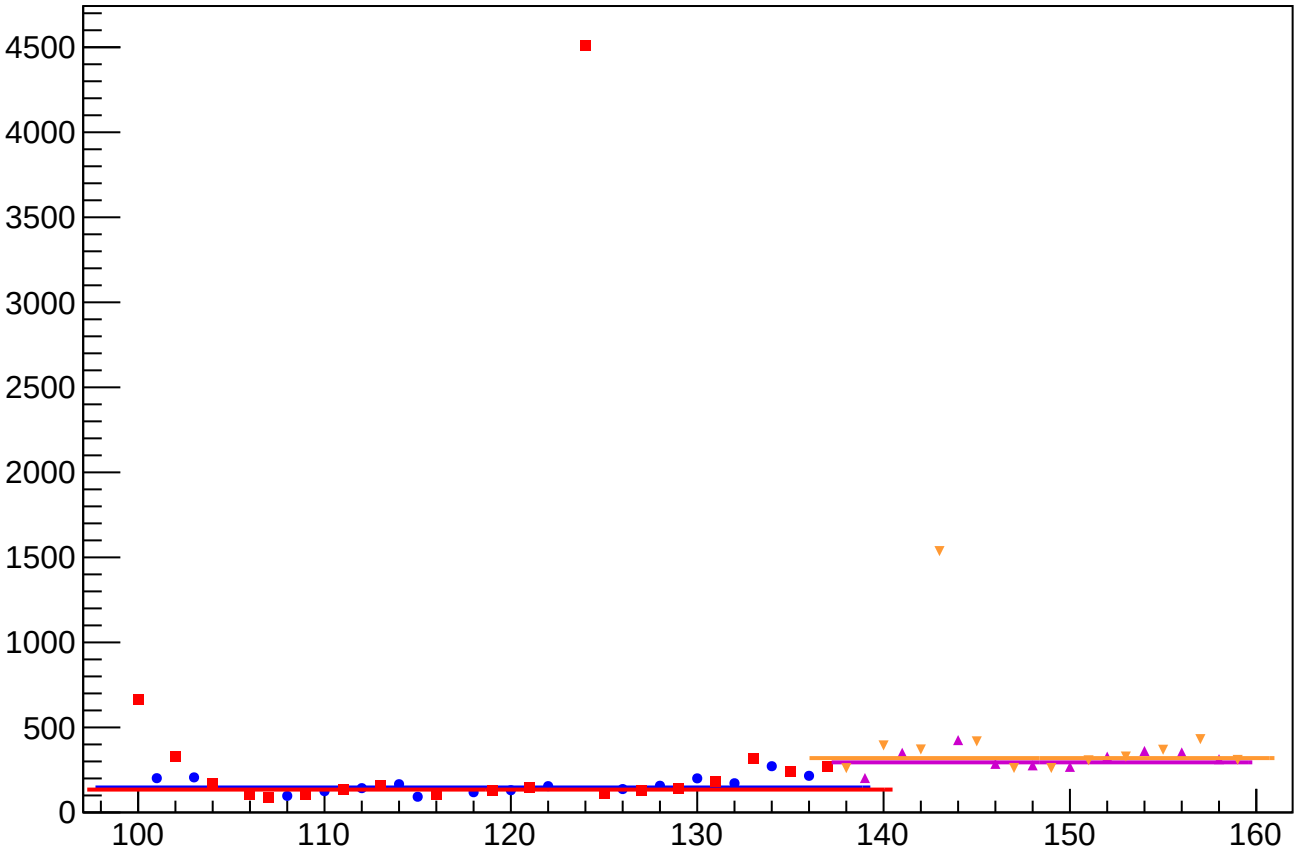
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 319.656+/-0.077 χ^2/NDF:1573890.2/11

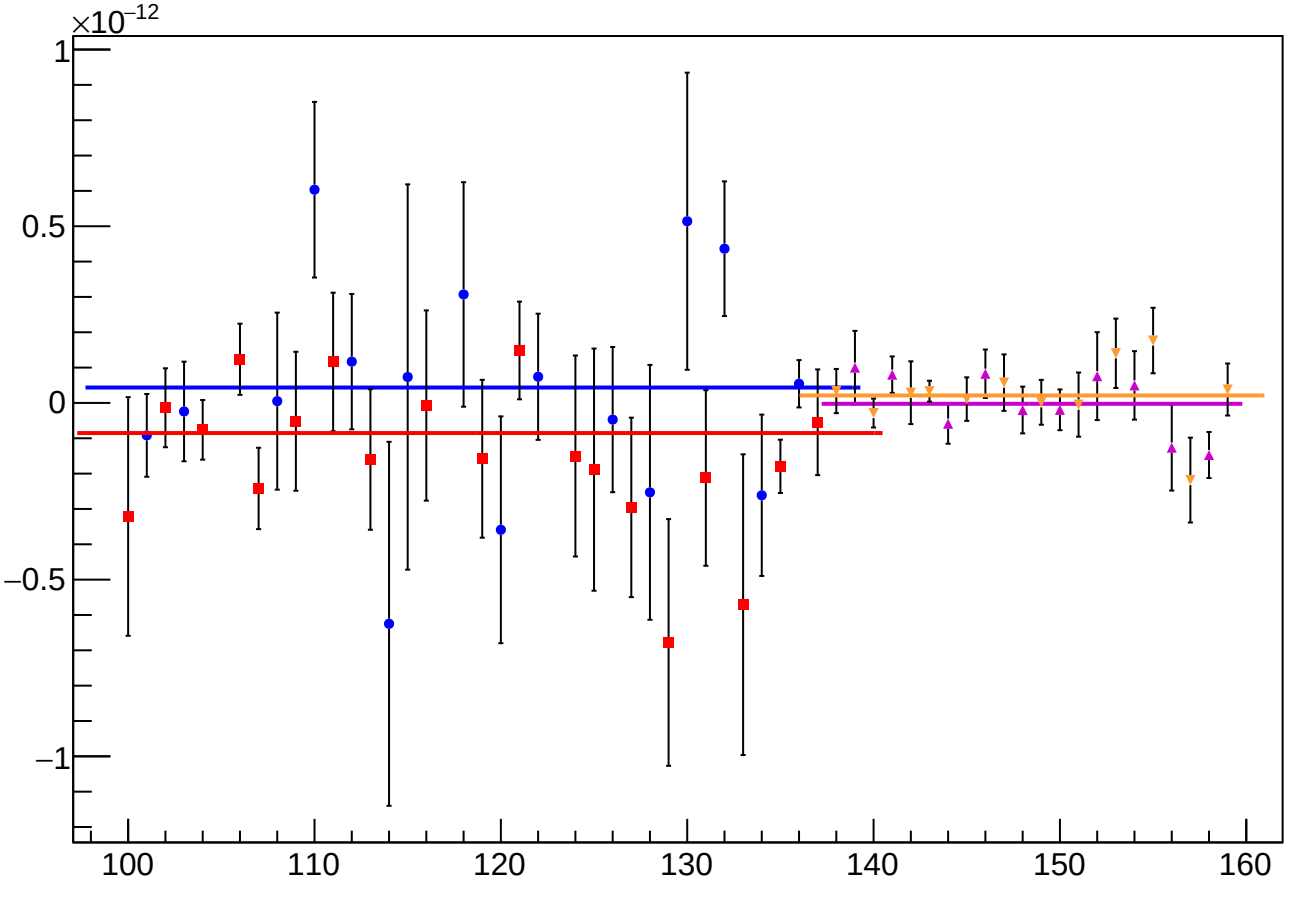
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511183.9/27

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/11

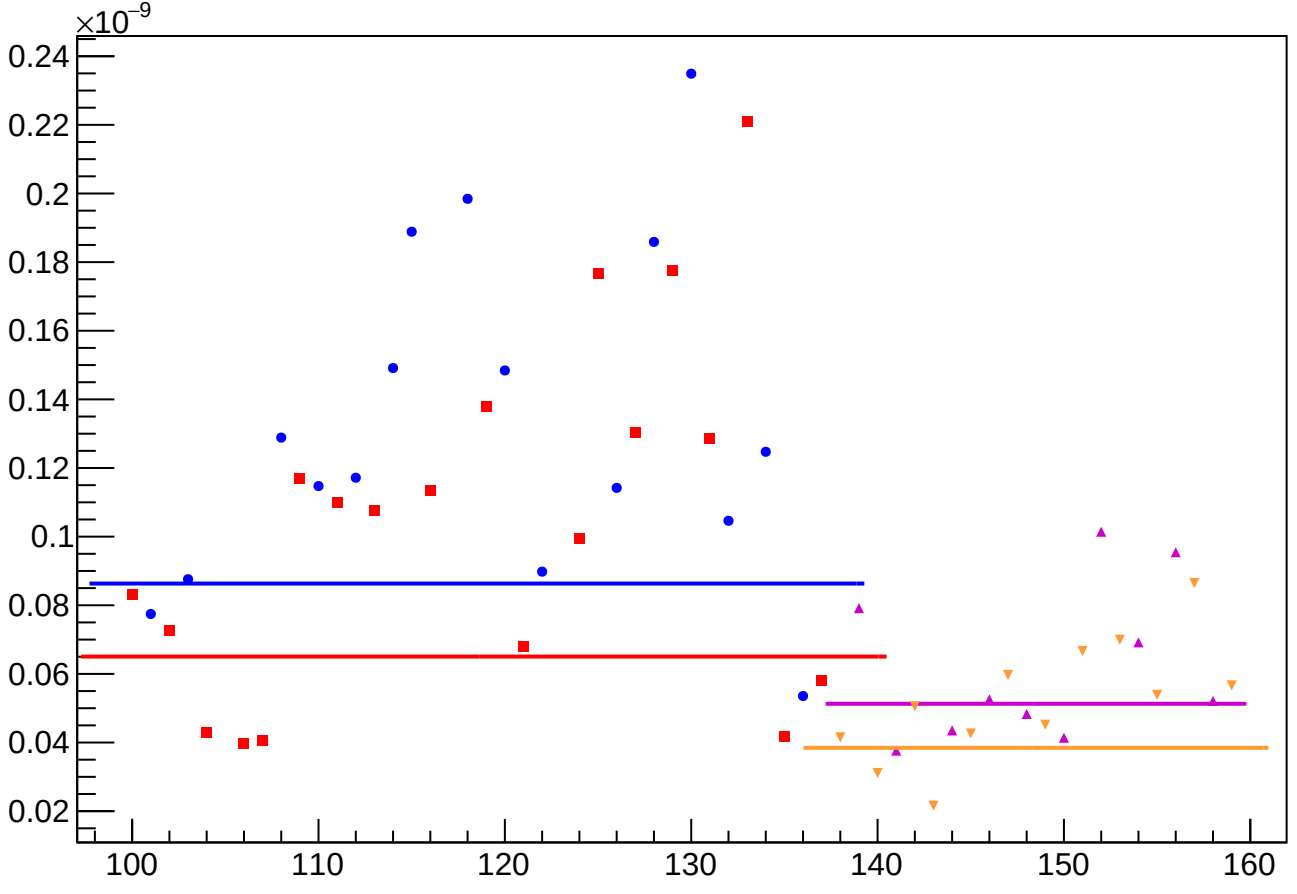
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/27

All: 0.000+/-0.000 χ^2/NDF: 69.2/56

- sign -0.000+/-0.000 χ^2/NDF: 35.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1825264.9/11

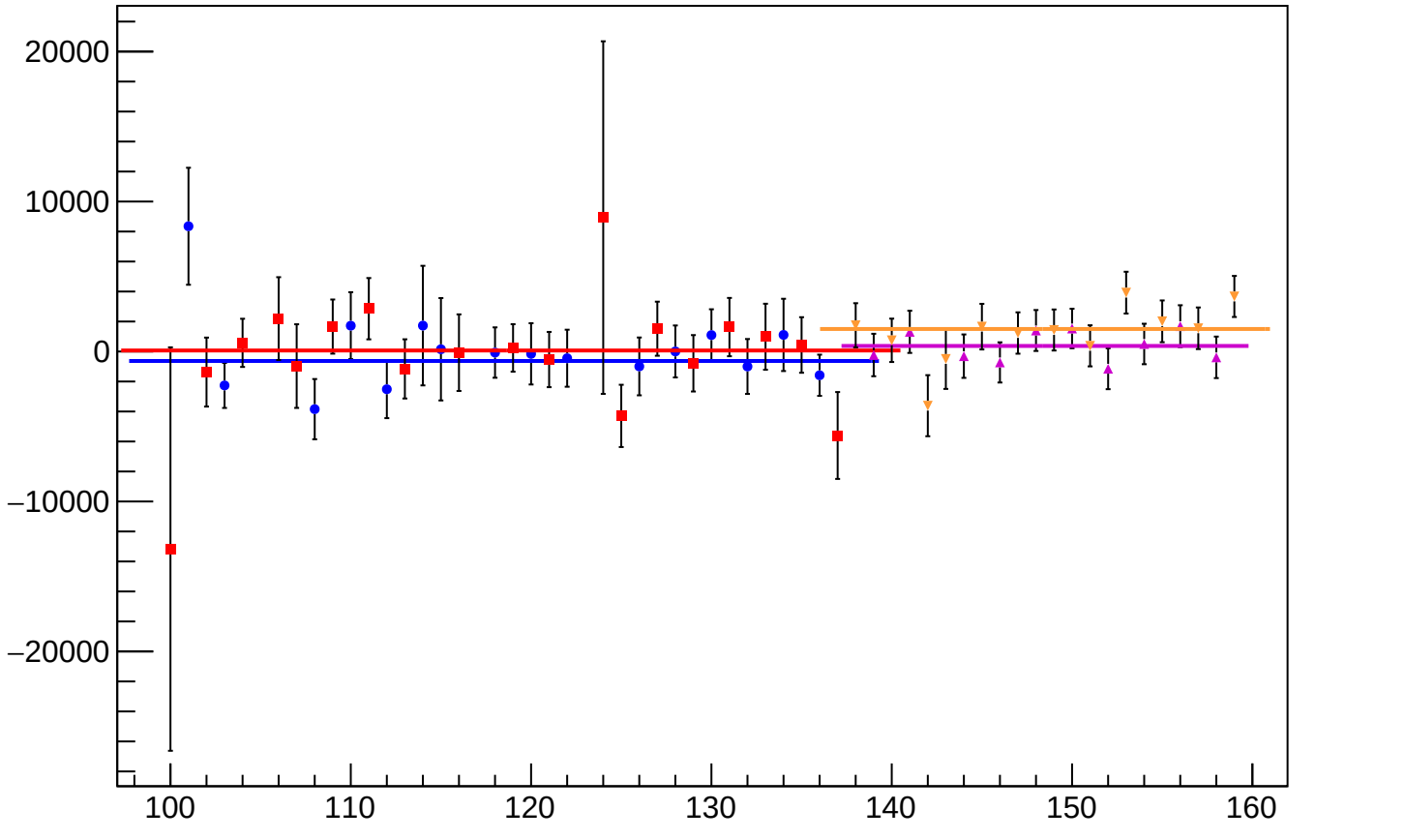
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 5550588.3/27

All: 0.000+/-0.000 χ^2/NDF: 9329221.1/56

- sign 0.000+/-0.000 χ^2/NDF: 3429254.1/28



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

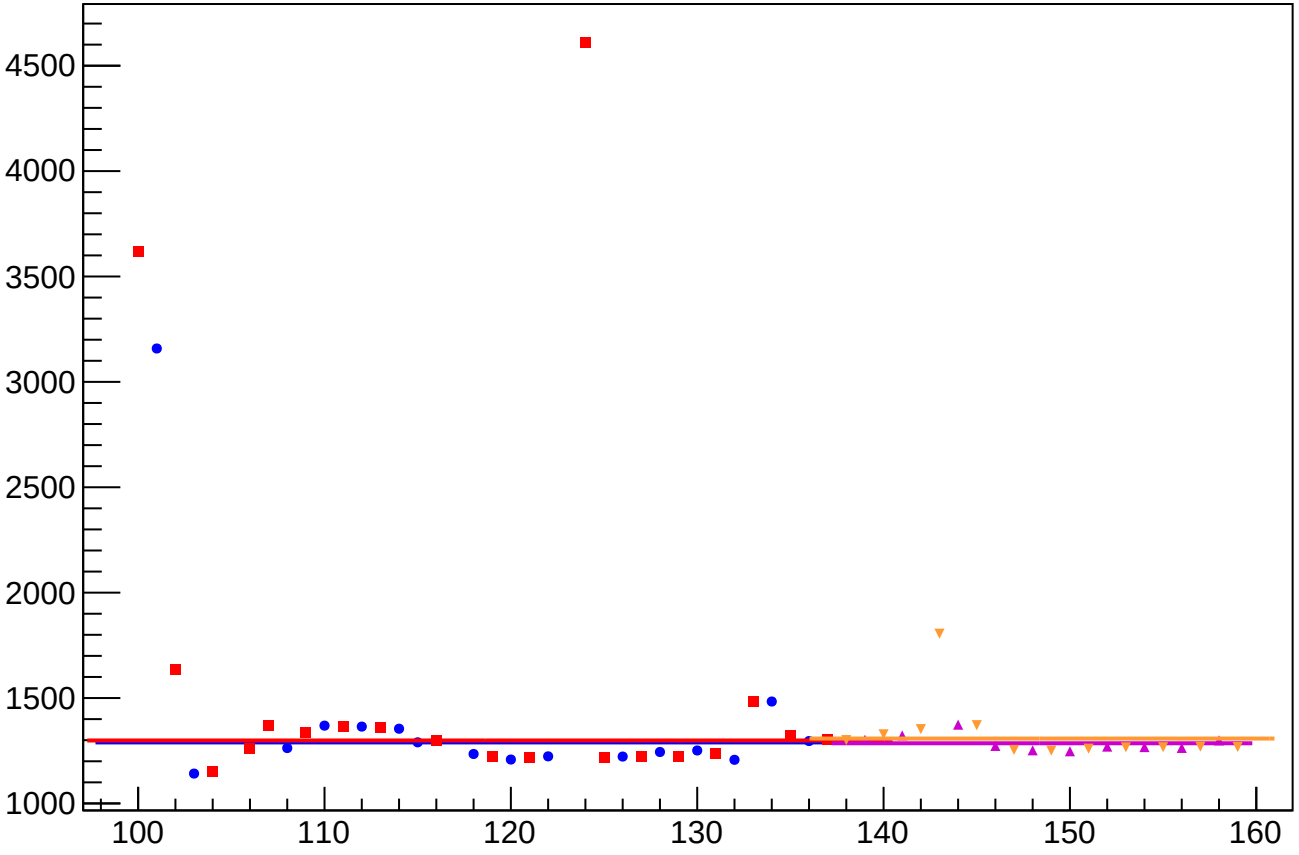
Left In: 370.992+/-435.347 χ^2/NDF:5.3/9

\+ sign 584.197+/-320.611 χ^2/NDF: 38.8/27

All: 412.594+/-228.170 χ^2/NDF: 60.8/56

\- sign 236.486+/-324.793 χ^2/NDF: 21.4/28

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

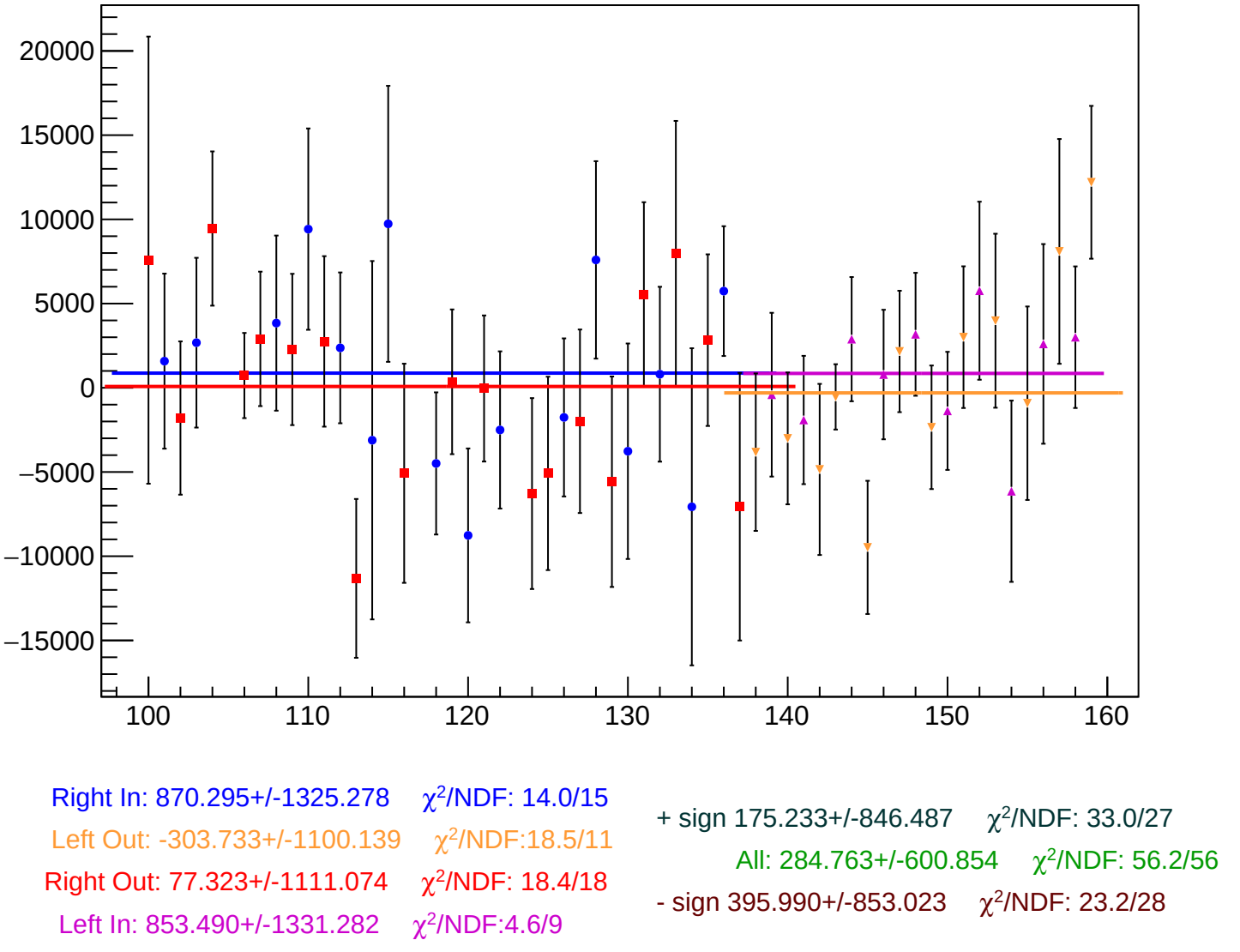
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

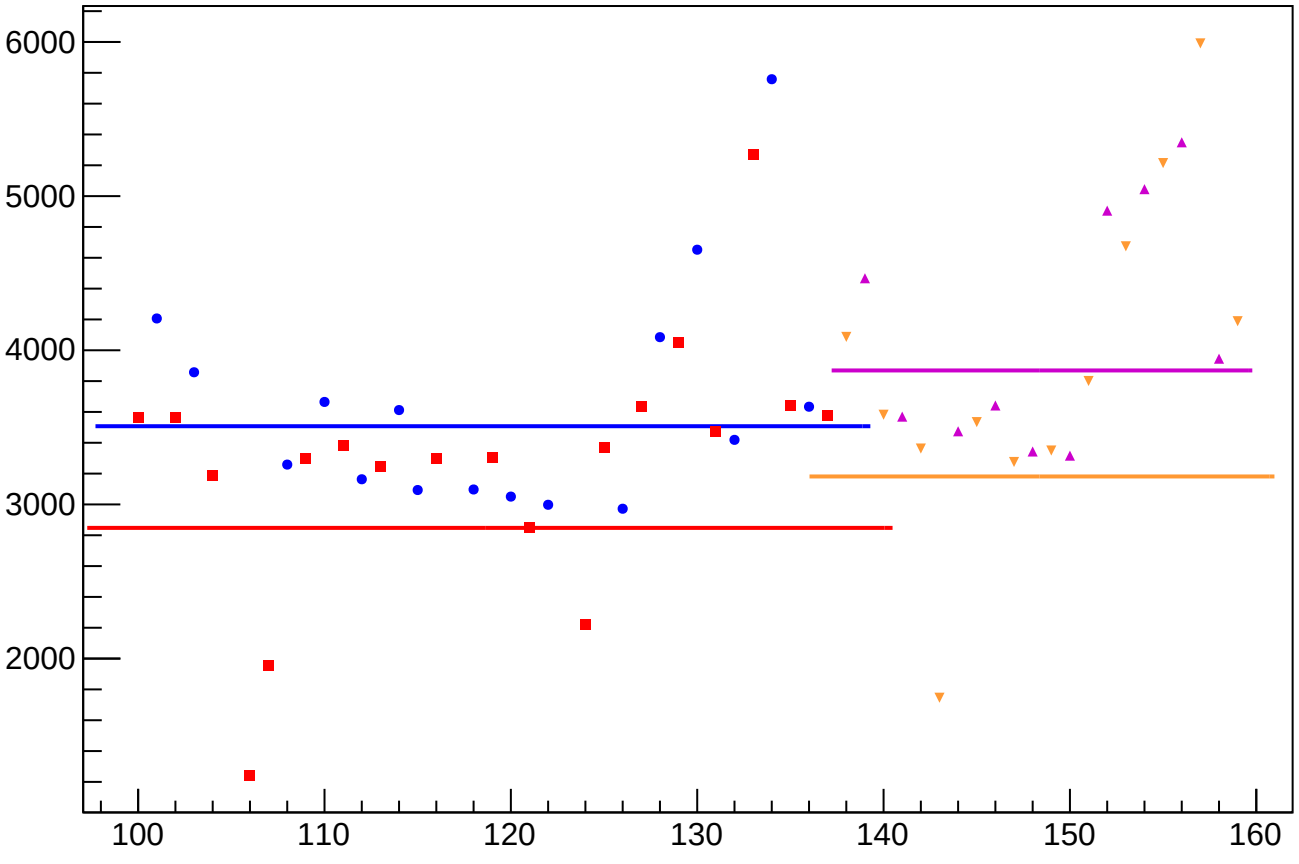
Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1299.924+/-0.227 χ^2/NDF: 660948.5/27

All: 1295.664+/-0.161 χ^2/NDF: 995332.1/56

- sign 1291.302+/-0.229 χ^2/NDF: 333669.0/28


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -303.733+/-1100.139 χ²/NDF:18.5/11
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 853.490+/-1331.282 χ²/NDF:4.6/9
+ sign 175.233+/-846.487 χ²/NDF: 33.0/27
All: 284.763+/-600.854 χ²/NDF: 56.2/56
- sign 395.990+/-853.023 χ²/NDF: 23.2/28



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

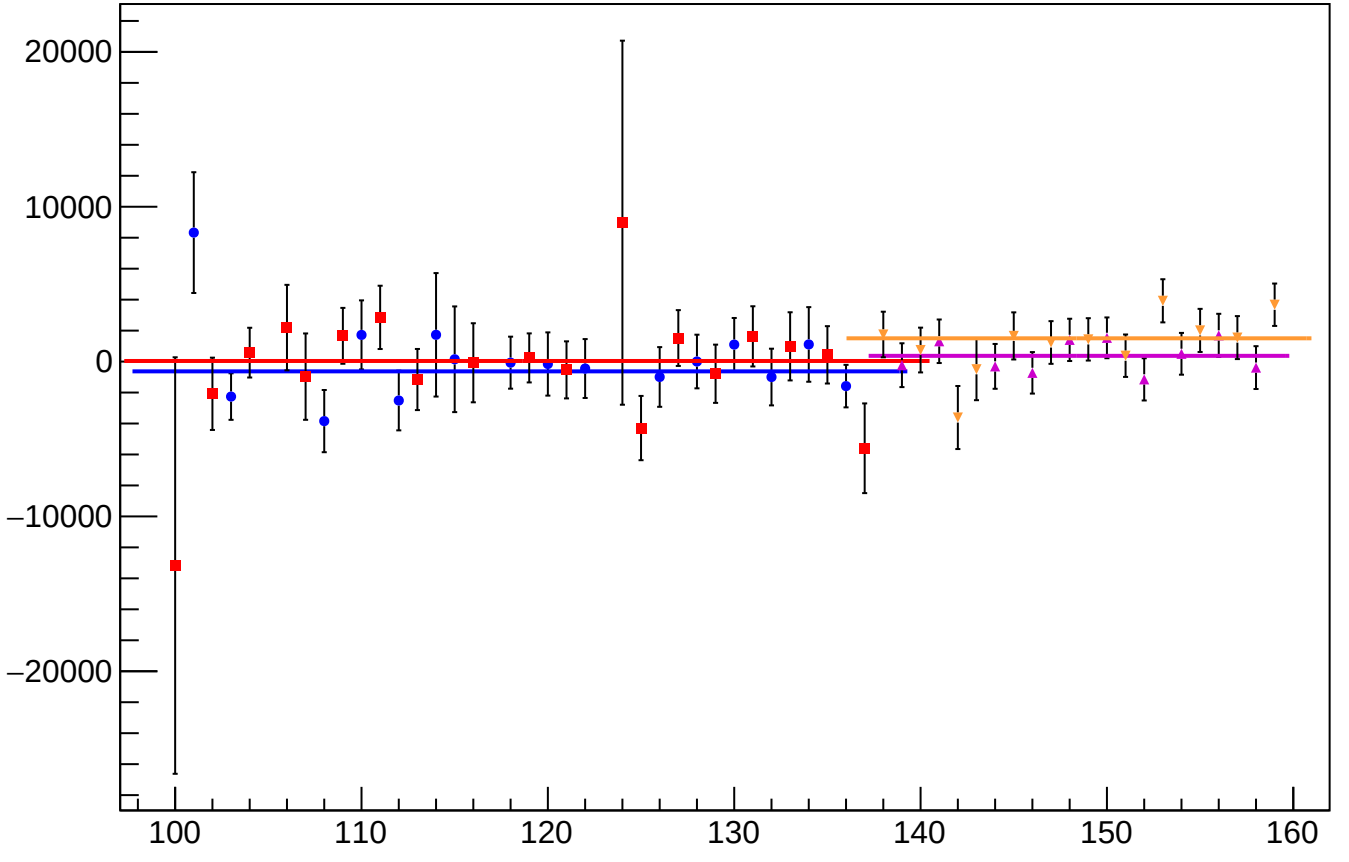
Left In: 3869.144+/-0.941 χ^2/NDF:461574.8/9

+ sign 3314.375+/-0.599 χ^2/NDF: 2555027.4/27

All: 3290.943+/-0.425 χ^2/NDF: 5212877.0/56

- sign 3267.147+/-0.603 χ^2/NDF: 2654760.8/28

cor_asym_atl1r2_dd_atl2r1_dd_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

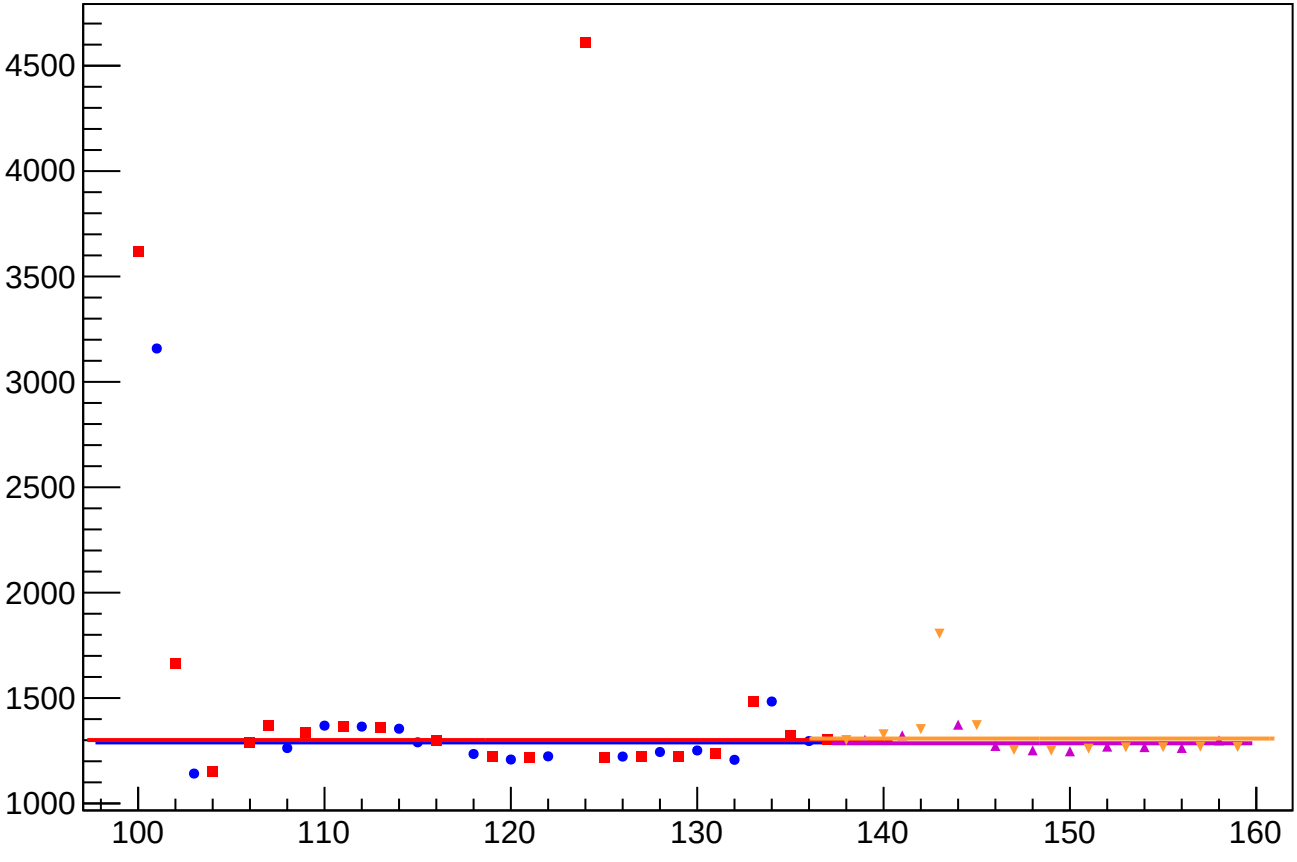
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

\+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 406.269+/-228.203 χ^2/NDF: 61.3/56

\- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

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

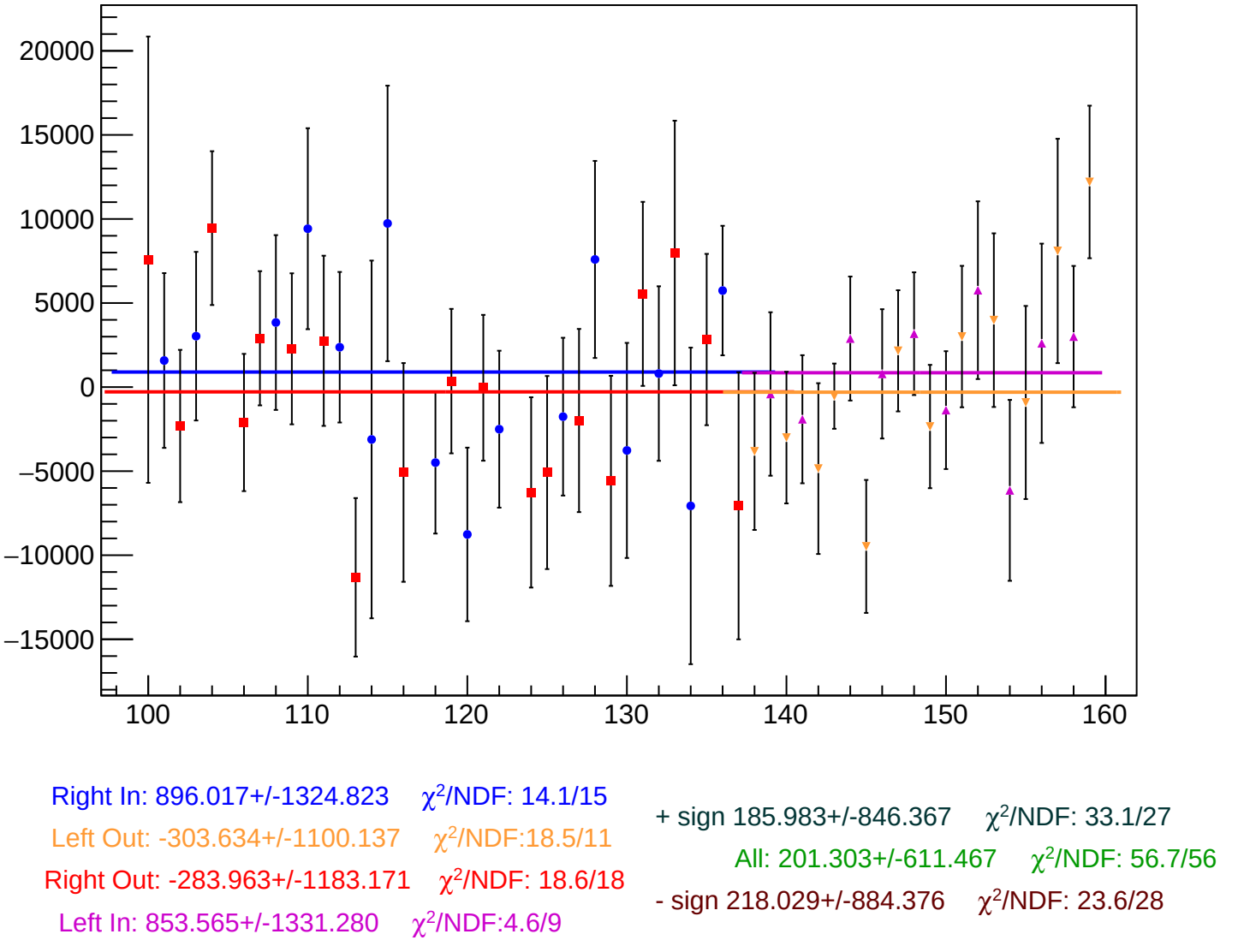
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

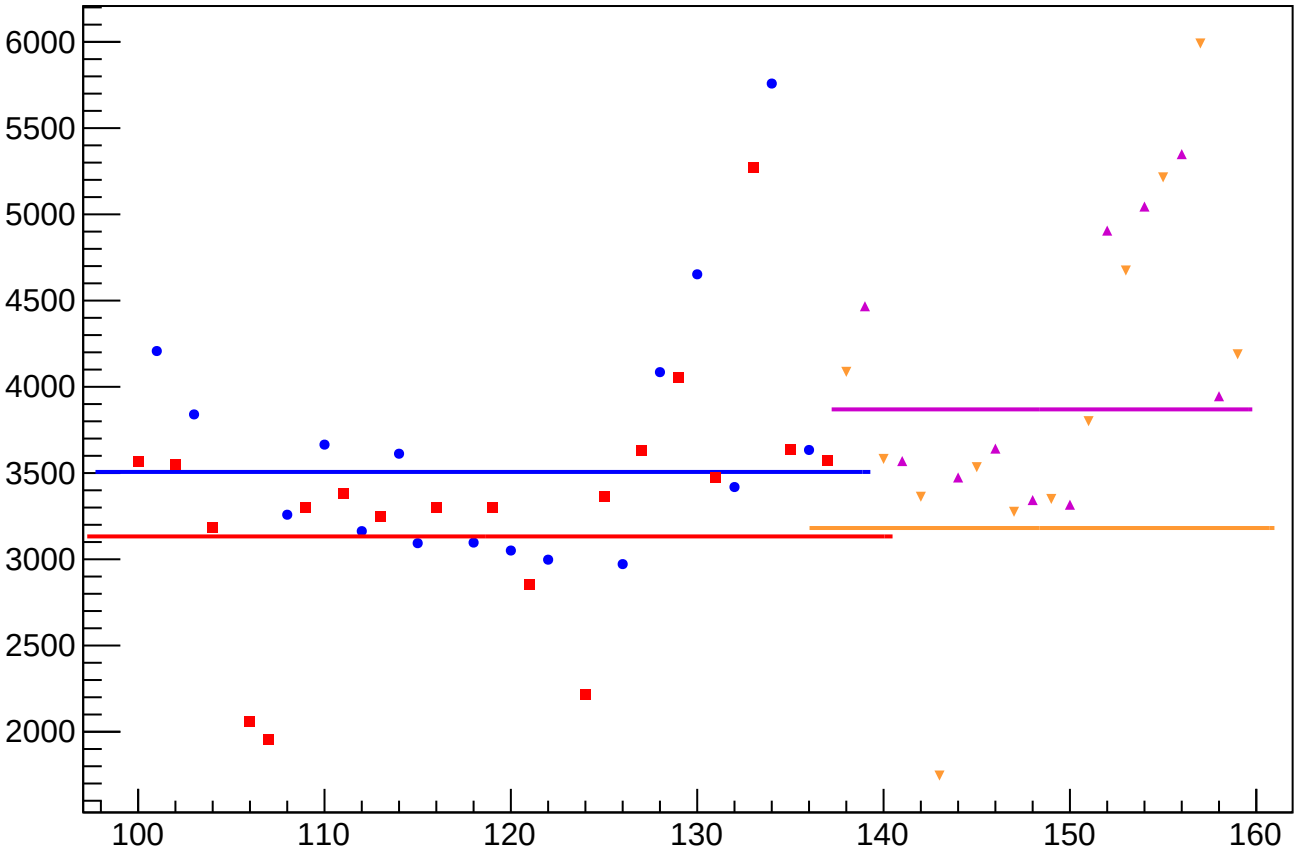
Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28


asym_atl1r2_dd_atl2r1_dd_dd_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: 853.565+/-1331.280 χ²/NDF:4.6/9
+ sign 185.983+/-846.367 χ²/NDF: 33.1/27
All: 201.303+/-611.467 χ²/NDF: 56.7/56
- sign 218.029+/-884.376 χ²/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

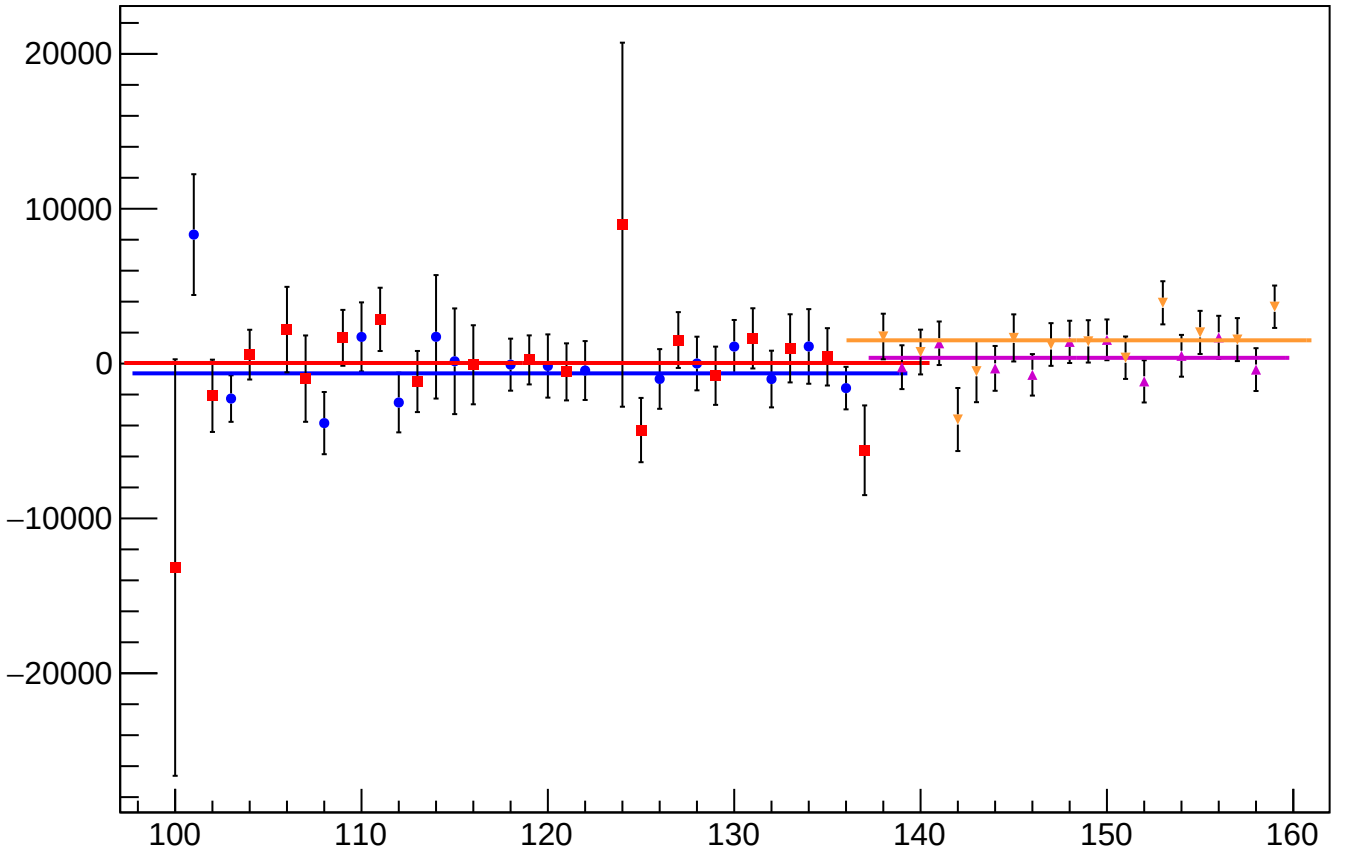
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

\+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56

\- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28



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

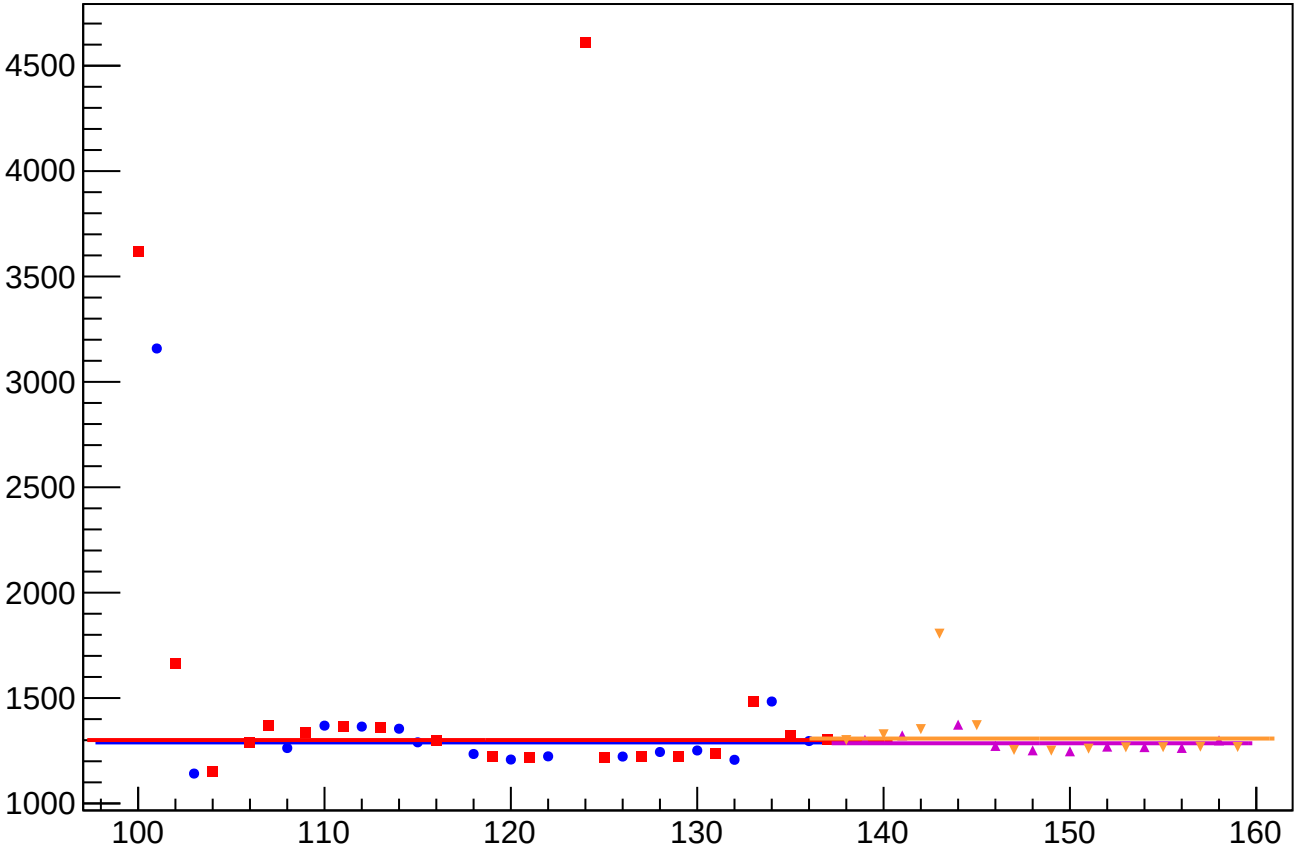
Left In: 370.993+/-435.347 χ^2/NDF:5.3/9

+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 406.269+/-228.203 χ^2/NDF: 61.3/56

- sign 223.728+/-324.888 χ^2/NDF: 21.9/28

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

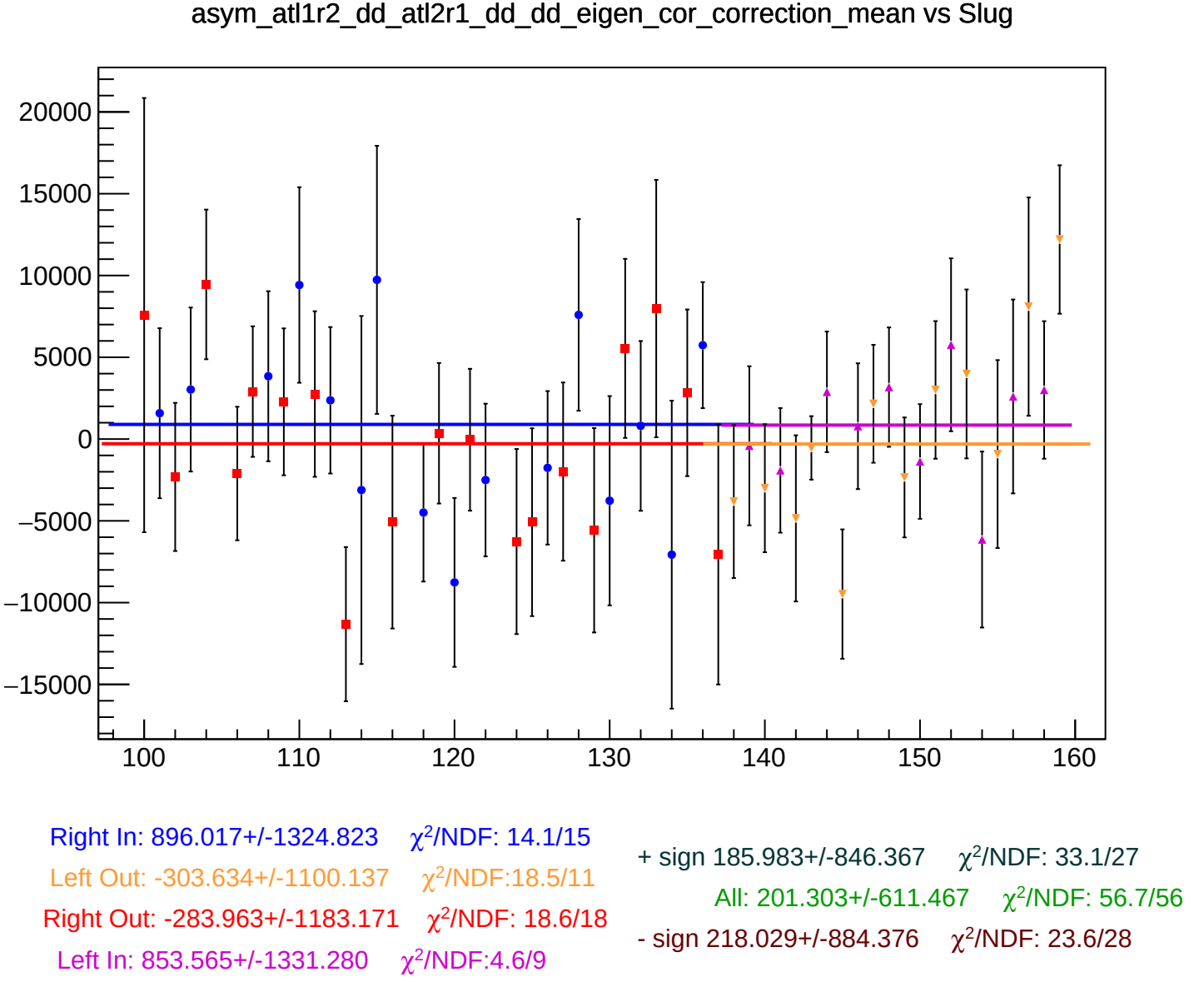
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

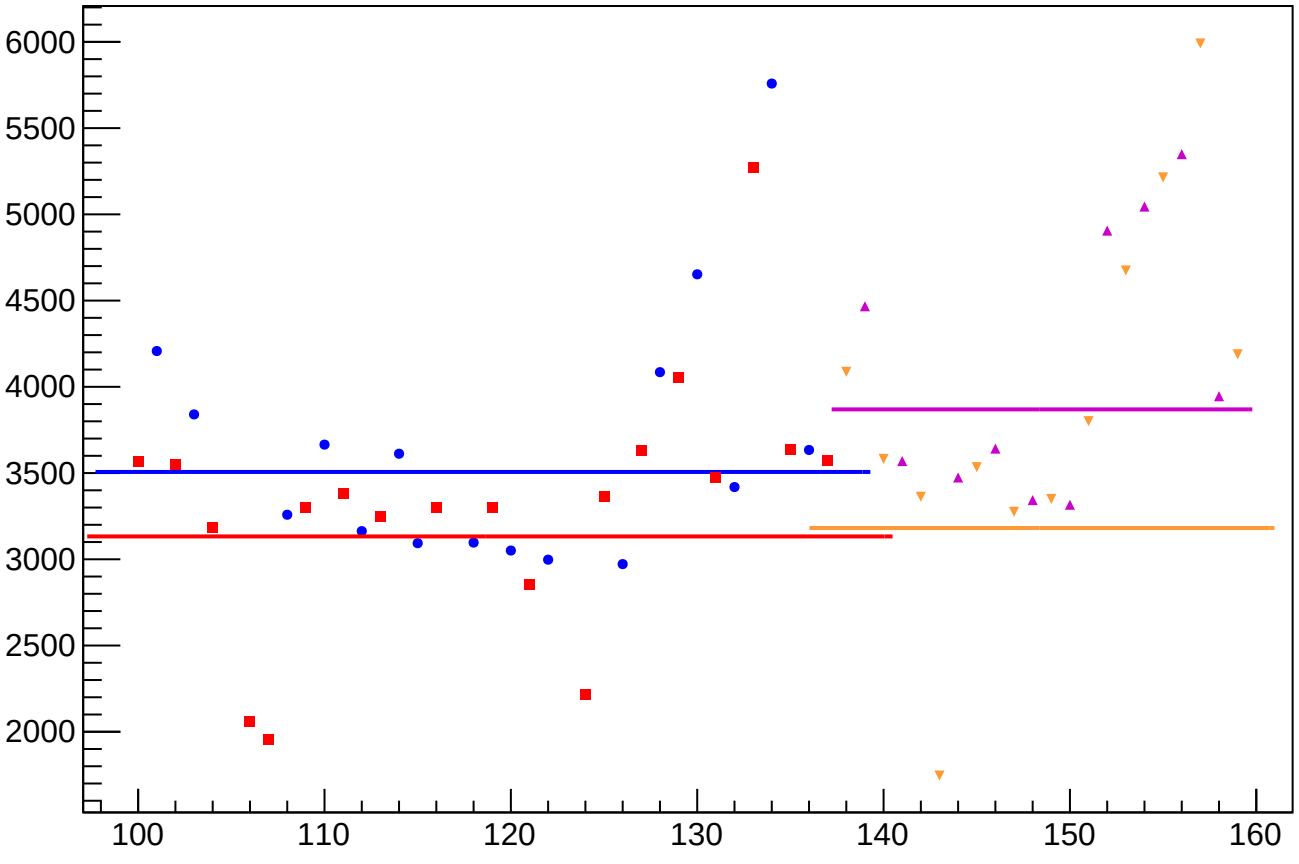
Left In: 1285.413+/-0.308 χ^2/NDF:13471.2/9

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1296.106+/-0.161 χ^2/NDF: 1001995.5/56

- sign 1292.193+/-0.230 χ^2/NDF: 340471.5/28


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: 853.565+/-1331.280 χ²/NDF:4.6/9
+ sign 185.983+/-846.367 χ²/NDF: 33.1/27
All: 201.303+/-611.467 χ²/NDF: 56.7/56
- sign 218.029+/-884.376 χ²/NDF: 23.6/28



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

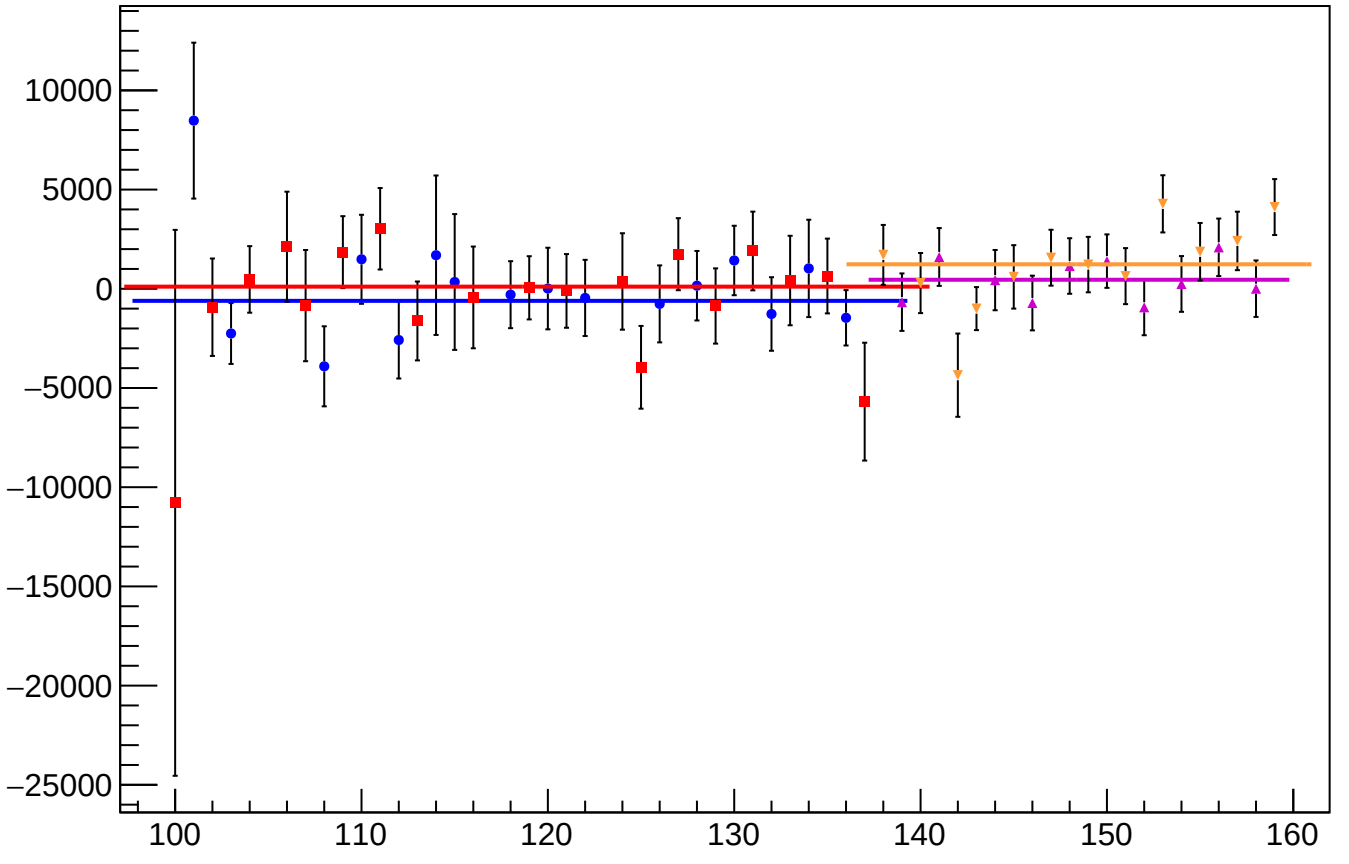
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3869.140+/-0.941 χ^2/NDF:461575.5/9

\+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3382.687+/-0.432 χ^2/NDF: 4034683.1/56

\- sign 3457.628+/-0.625 χ^2/NDF: 1453227.3/28



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

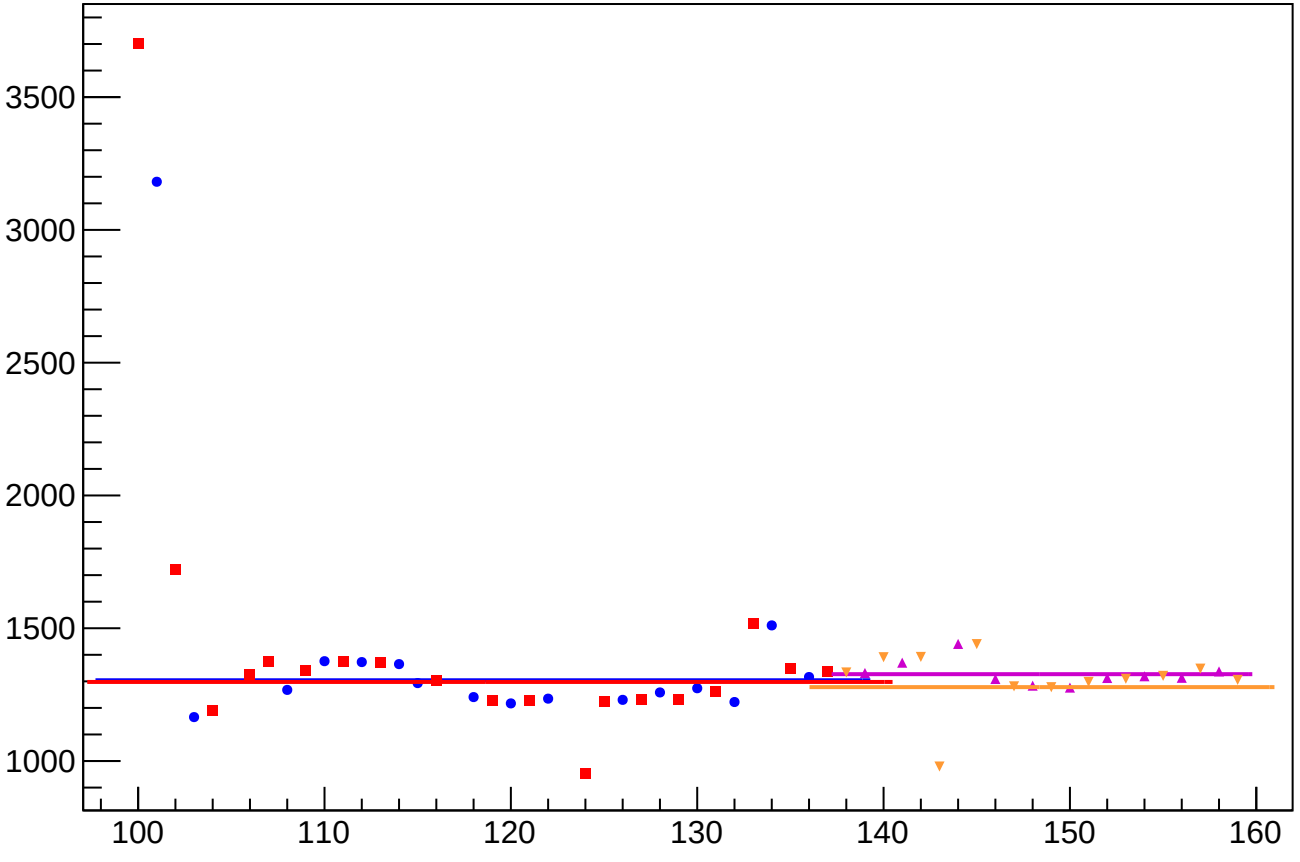
Left In: 455.385+/-449.548 χ^2/NDF:5.0/9

\+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 386.059+/-229.022 χ^2/NDF: 64.3/56

\- sign 295.331+/-329.873 χ^2/NDF: 20.2/28

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

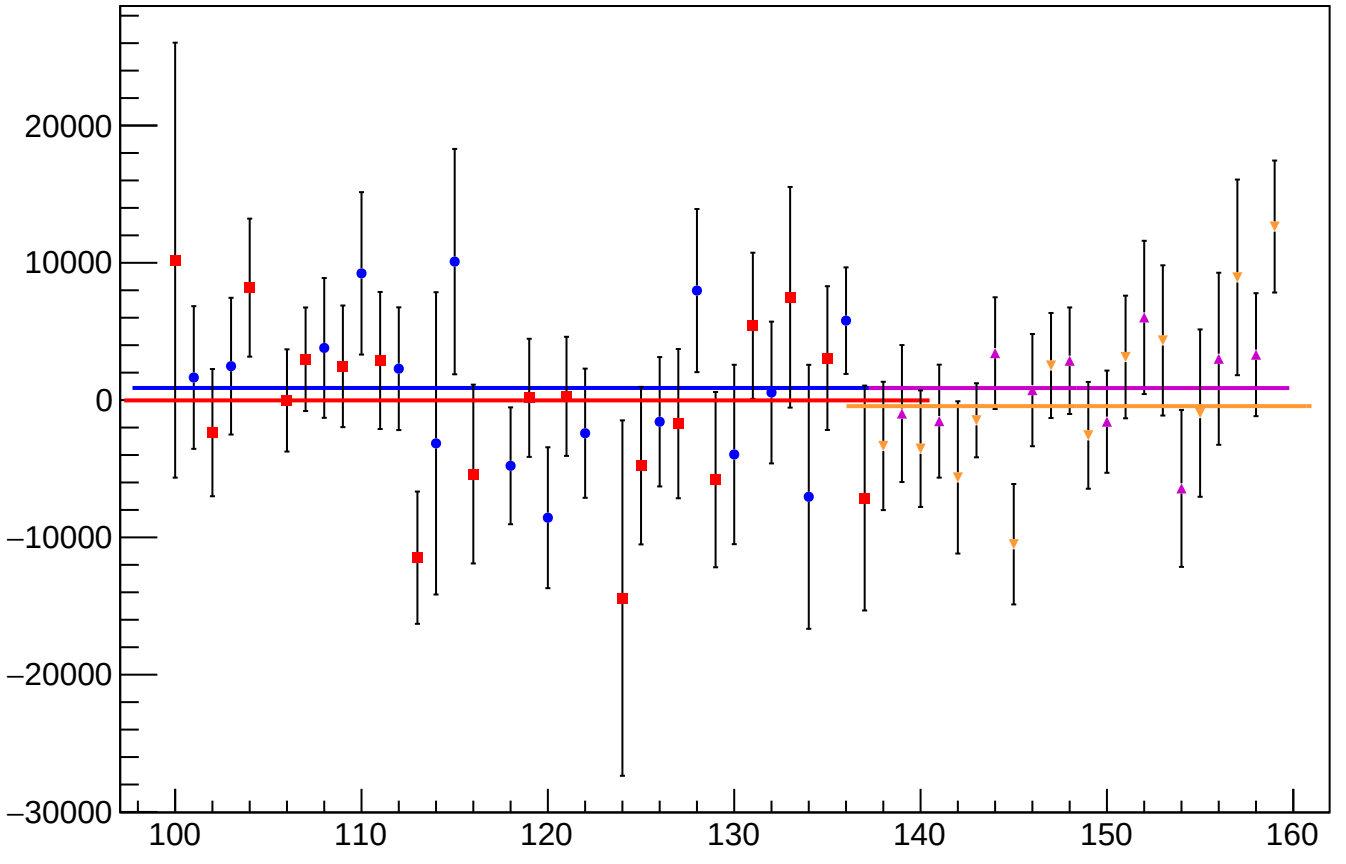
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.060+/-0.318 χ^2/NDF:18667.2/9

+ sign 1289.000+/-0.225 χ^2/NDF: 714367.9/27

All: 1300.834+/-0.162 χ^2/NDF: 955783.2/56

- sign 1313.542+/-0.233 χ^2/NDF: 235679.0/28



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -439.004+/-1258.889 χ^2/NDF:18.6/11

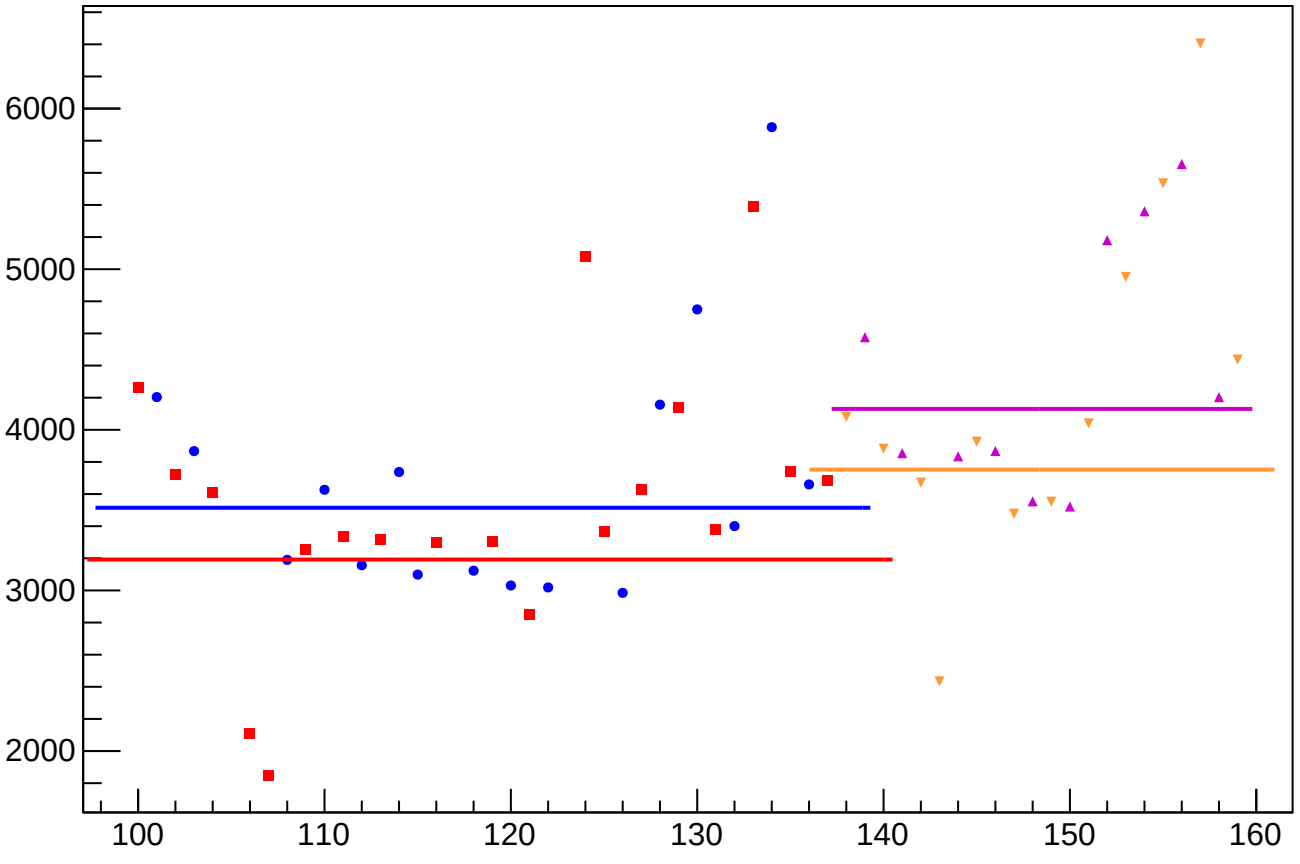
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.681 χ^2/NDF:4.5/9

\+ sign 187.504+/-913.429 χ^2/NDF: 33.3/27

All: 270.273+/-646.966 χ^2/NDF: 54.8/56

\- sign 353.595+/-916.474 χ^2/NDF: 21.5/28



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3752.024+/-0.890 χ^2/NDF:1101737.2/11

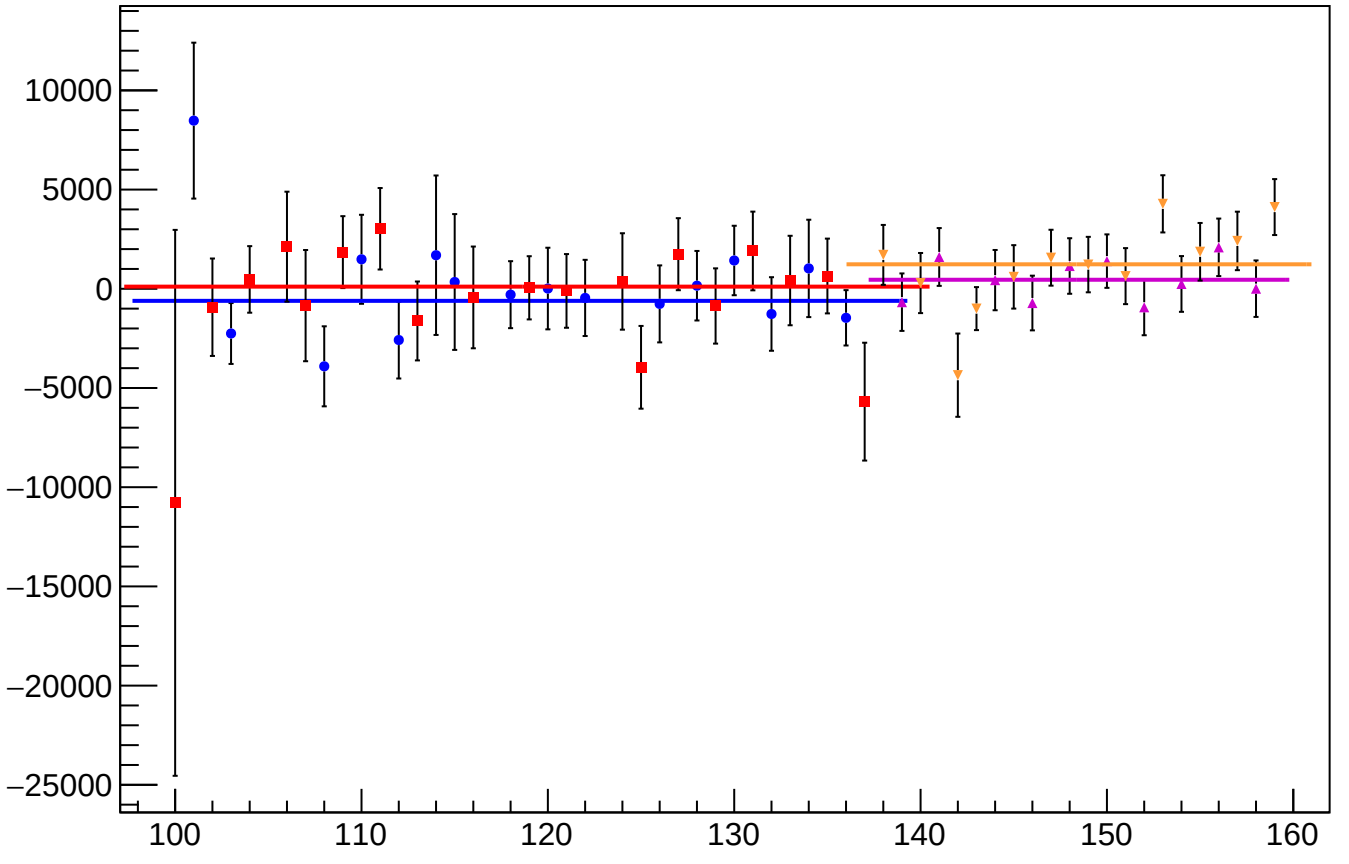
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4130.051+/-1.004 χ^2/NDF:423451.5/9

+ sign 3639.666+/-0.646 χ^2/NDF: 1510460.7/27

All: 3611.445+/-0.457 χ^2/NDF: 3219311.7/56

- sign 3583.036+/-0.648 χ^2/NDF: 1705020.2/28



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

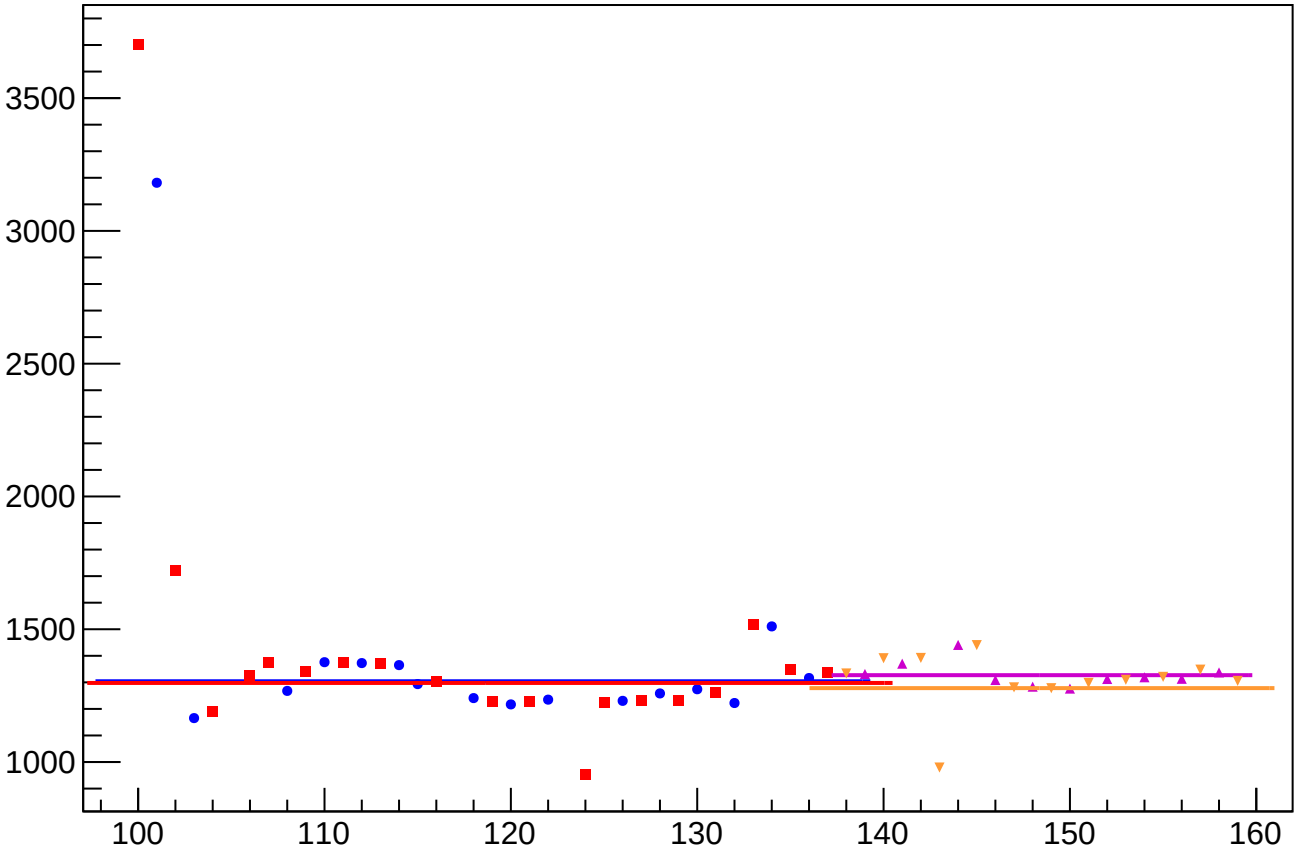
Left In: 455.385+/-449.549 χ^2/NDF:5.0/9

\+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 386.060+/-229.022 χ^2/NDF: 64.3/56

\- sign 295.334+/-329.874 χ^2/NDF: 20.2/28

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

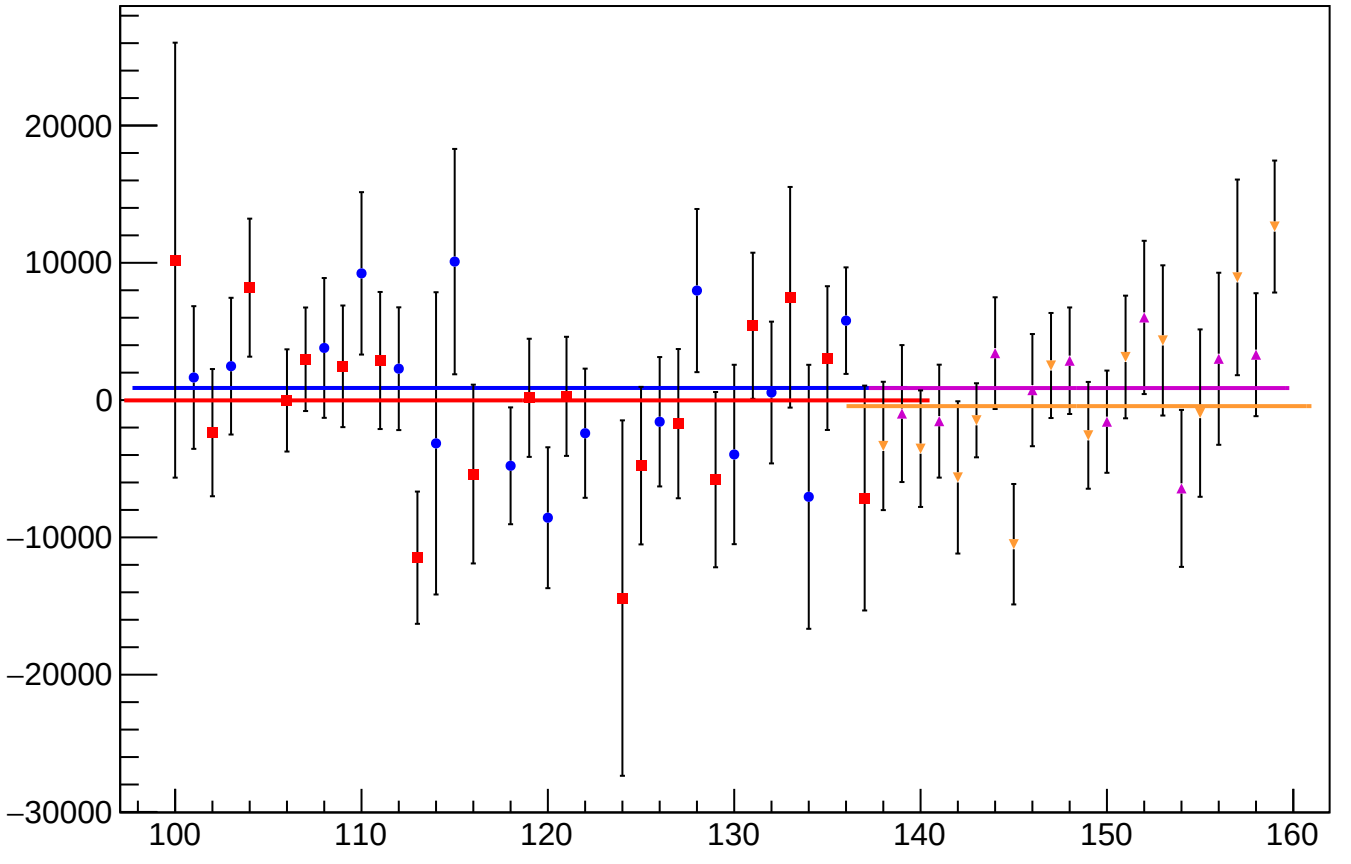
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.061+/-0.318 χ^2/NDF:18667.3/9

+ sign 1289.001+/-0.225 χ^2/NDF: 714368.3/27

All: 1300.835+/-0.162 χ^2/NDF: 955784.0/56

- sign 1313.543+/-0.233 χ^2/NDF: 235679.4/28



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -439.000+/-1258.891 χ^2/NDF:18.6/11

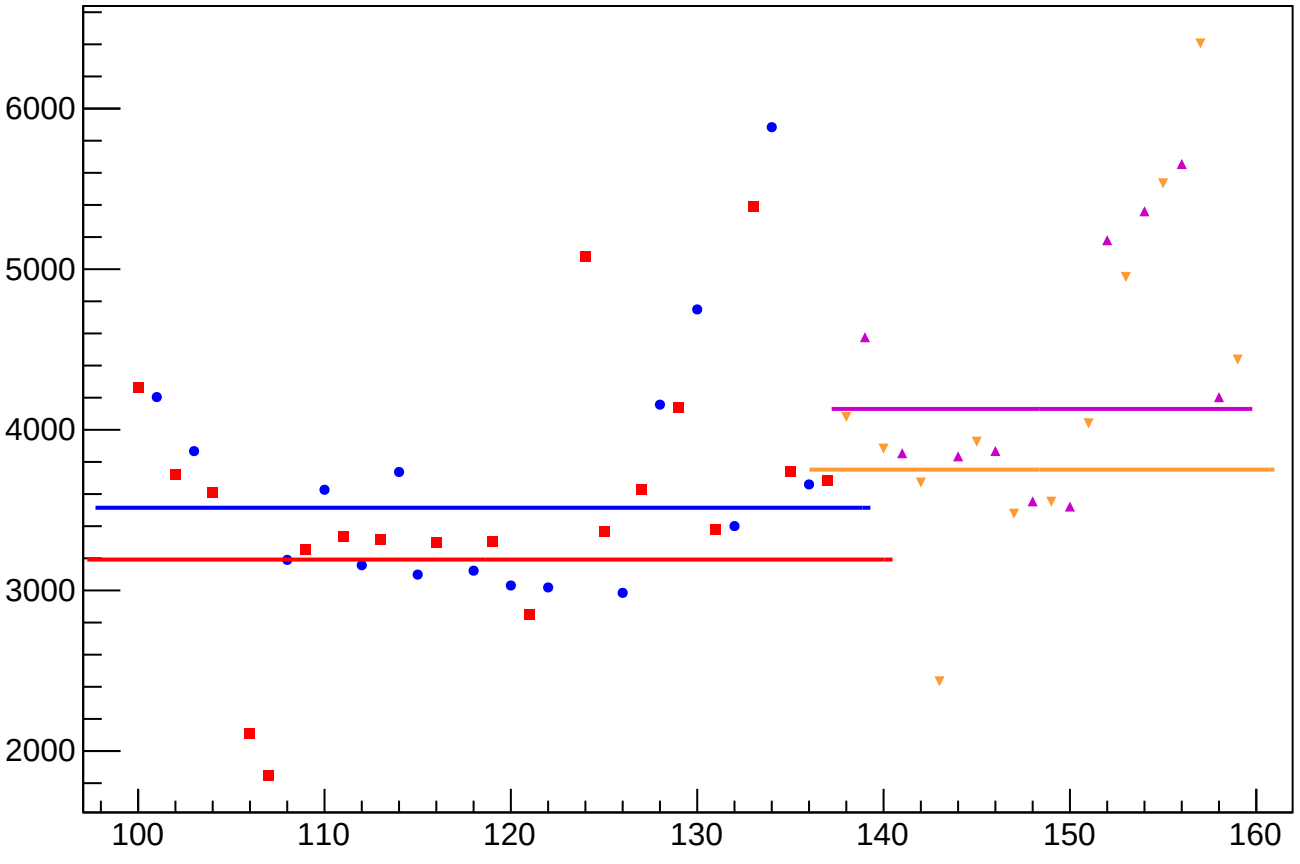
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 877.438+/-1419.683 χ^2/NDF:4.5/9

+ sign 187.504+/-913.428 χ^2/NDF: 33.3/27

All: 270.273+/-646.965 χ^2/NDF: 54.8/56

- sign 353.596+/-916.473 χ^2/NDF: 21.5/28



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

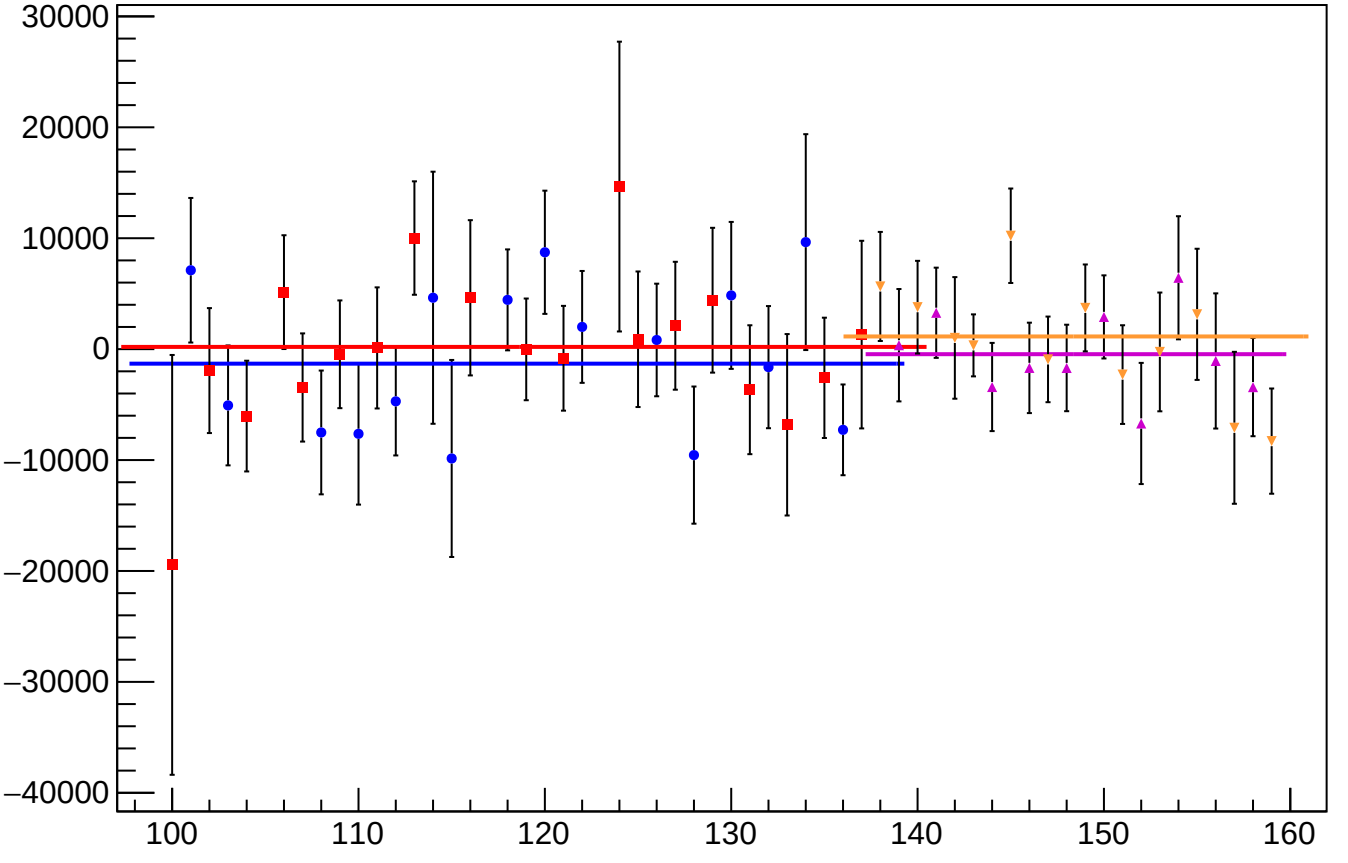
Left In: 4130.057+/-1.004 χ^2/NDF:423452.1/9

+ sign 3639.664+/-0.646 χ^2/NDF: 1510469.1/27

All: 3611.442+/-0.457 χ^2/NDF: 3219337.8/56

- sign 3583.032+/-0.648 χ^2/NDF: 1705037.6/28

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

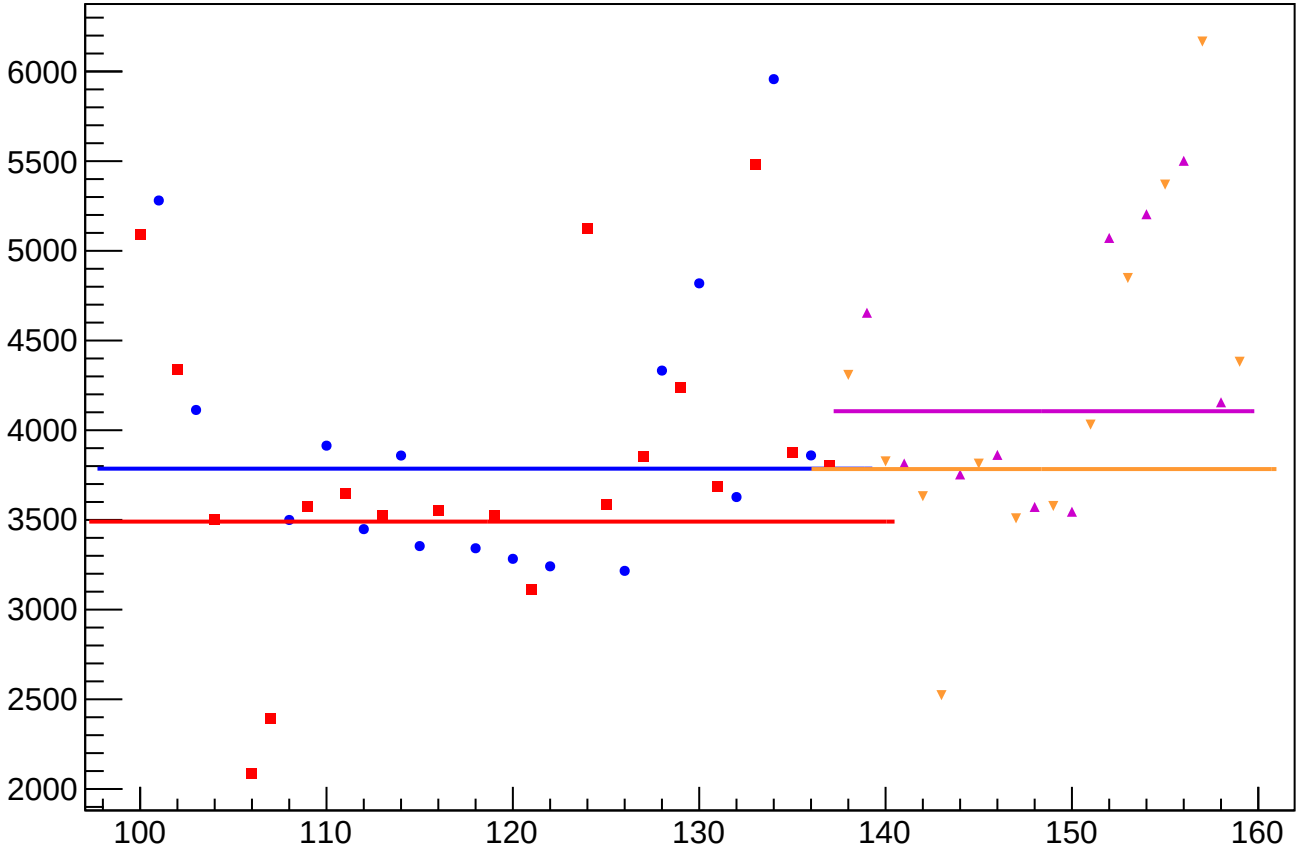
Left In: -454.679+/-1408.822 χ^2/NDF:5.7/9

+ sign 70.235+/-947.016 χ^2/NDF: 32.0/27

All: -17.363+/-677.431 χ^2/NDF: 49.5/56

- sign -109.159+/-969.441 χ^2/NDF: 17.5/28

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

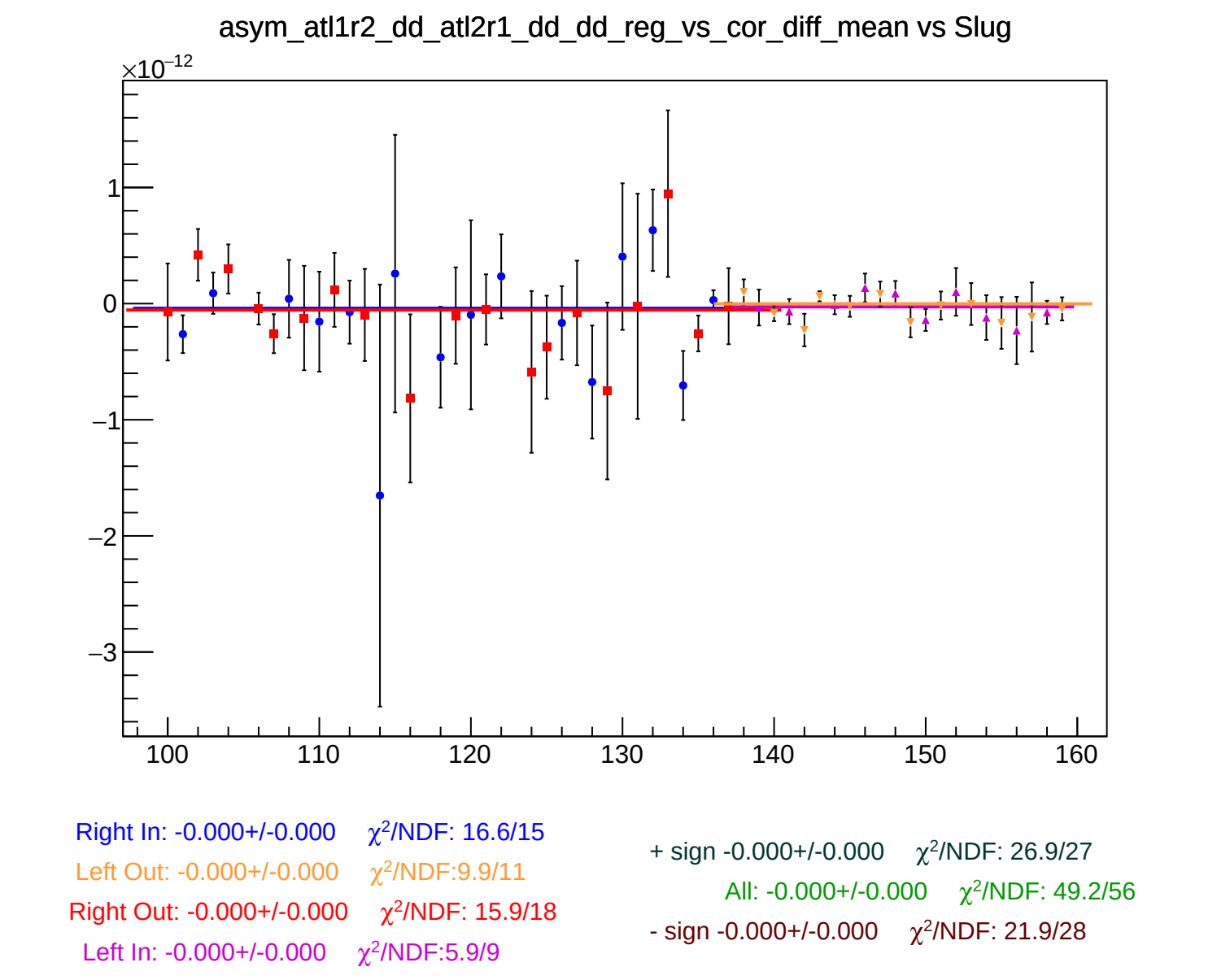
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

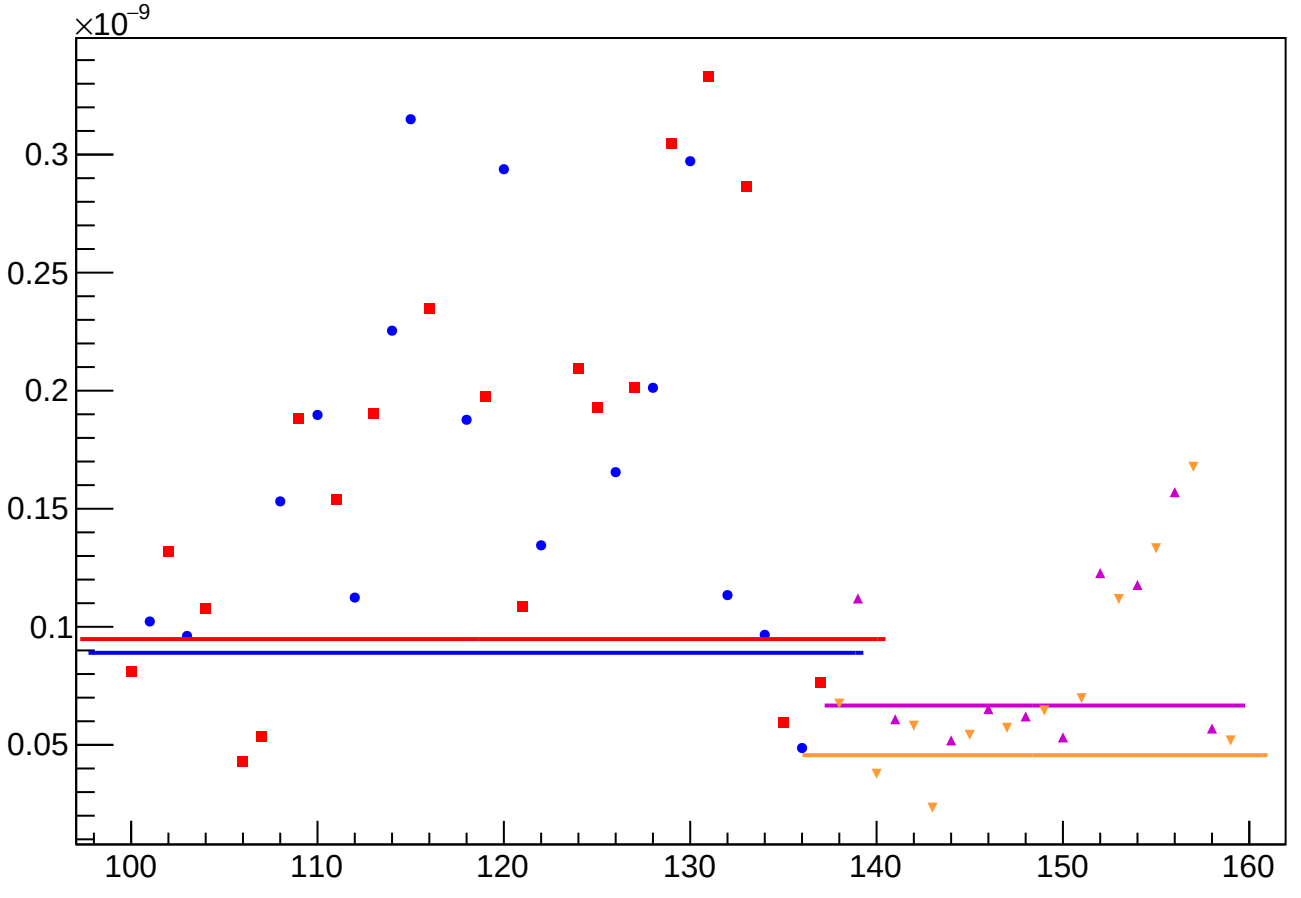
Left In: 4105.999+/-0.996 χ^2/NDF:384869.6/9

+ sign 3784.486+/-0.670 χ^2/NDF: 1333117.1/27

All: 3781.196+/-0.477 χ^2/NDF: 2508270.3/56

- sign 3777.797+/-0.681 χ^2/NDF: 1175104.2/28


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:5.9/9
+ sign -0.000+/-0.000 χ²/NDF: 26.9/27
All: -0.000+/-0.000 χ²/NDF: 49.2/56
- sign -0.000+/-0.000 χ²/NDF: 21.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719207.8/11

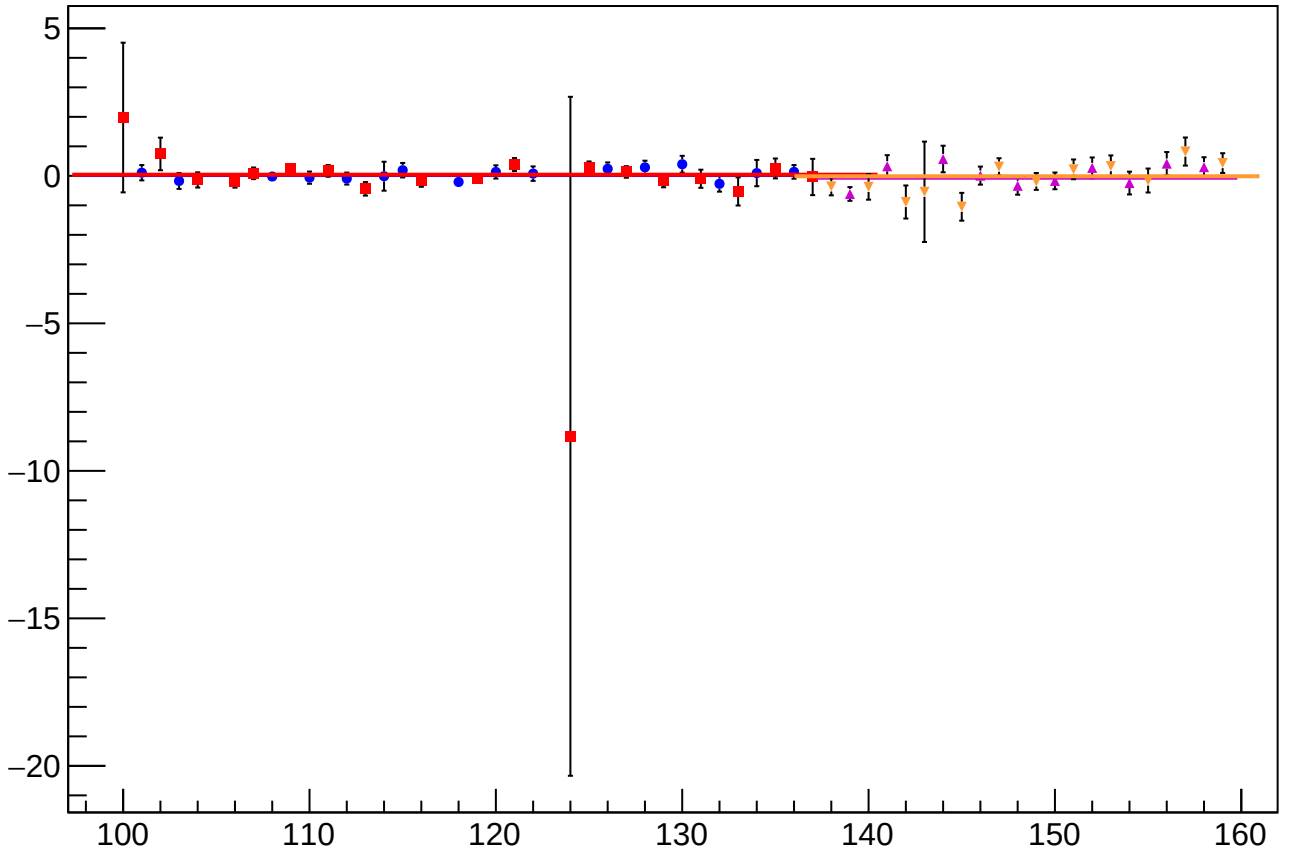
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:790929.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 4070274.2/27

All: 0.000+/-0.000 χ^2/NDF: 7396914.7/56

- sign 0.000+/-0.000 χ^2/NDF: 2812992.9/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

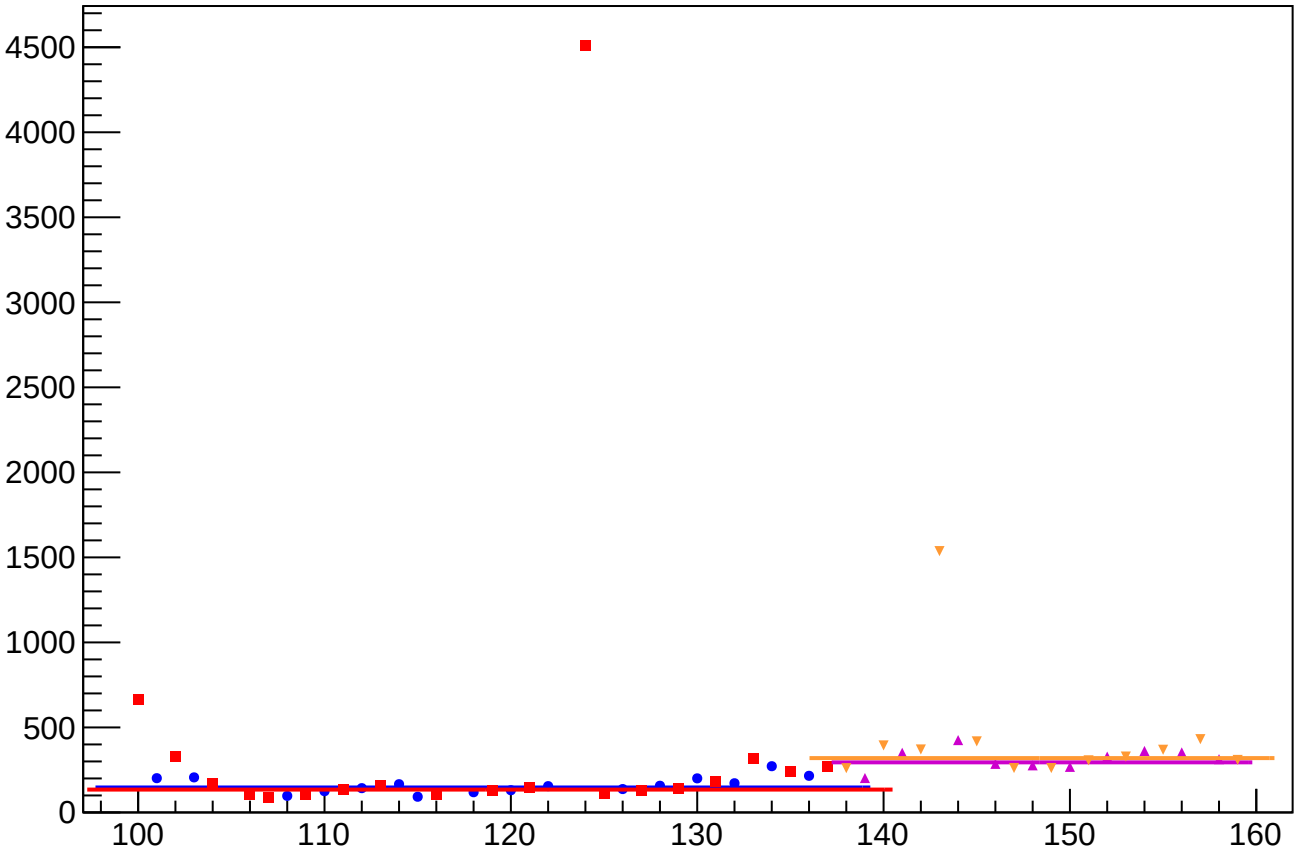
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 319.653+/-0.077 χ^2/NDF:1573887.6/11

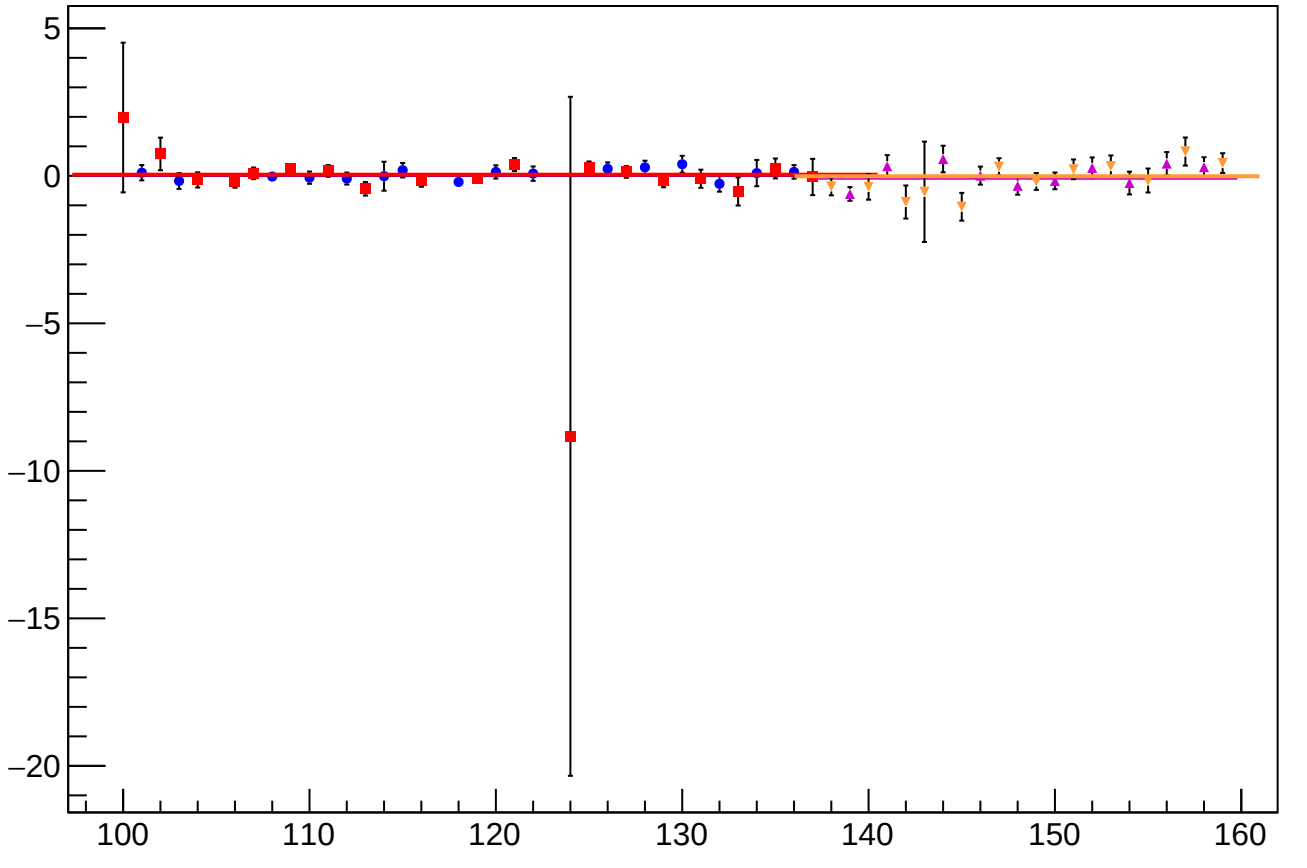
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

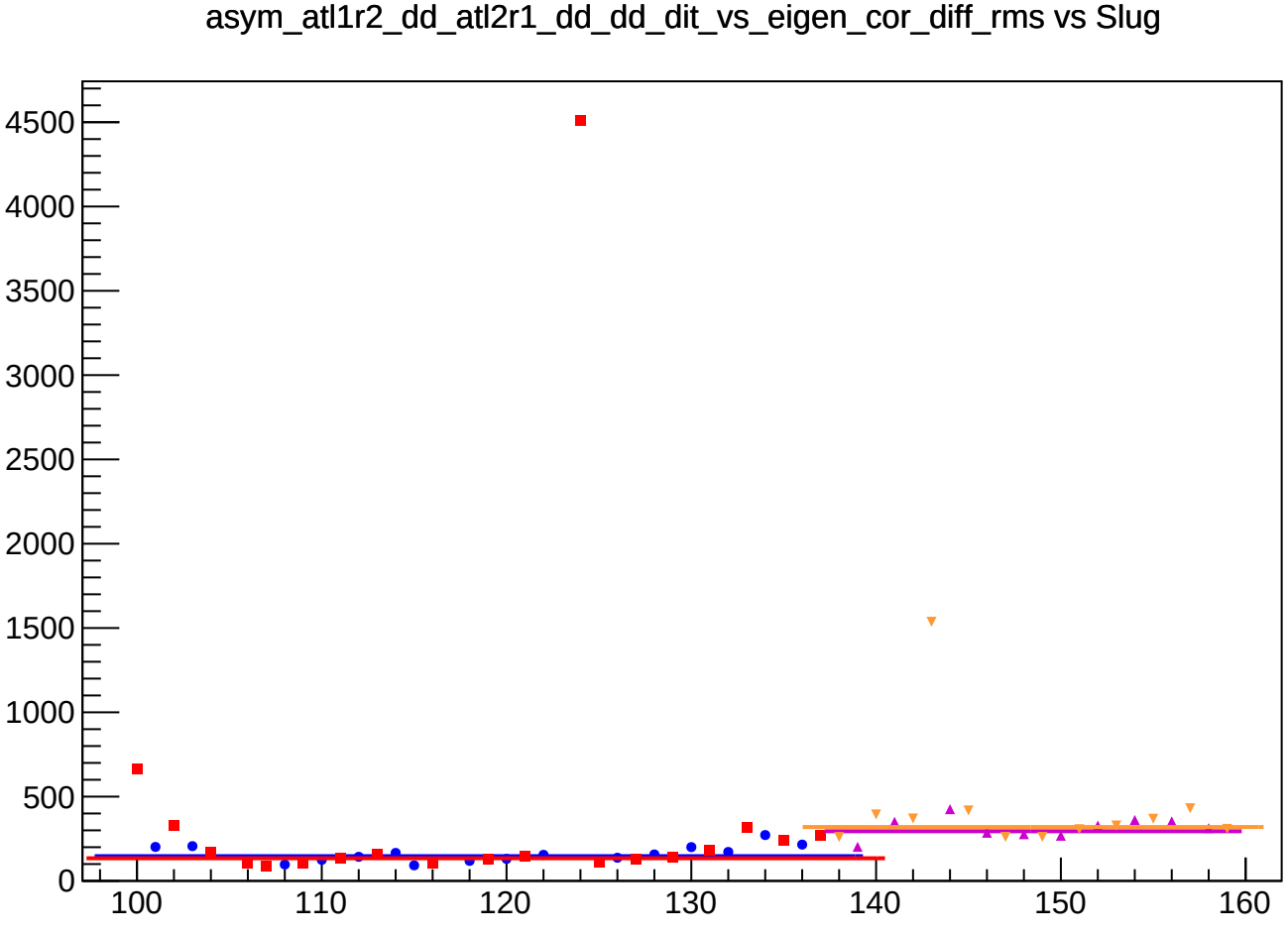
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 319.653+/-0.077 χ^2/NDF:1573887.6/11

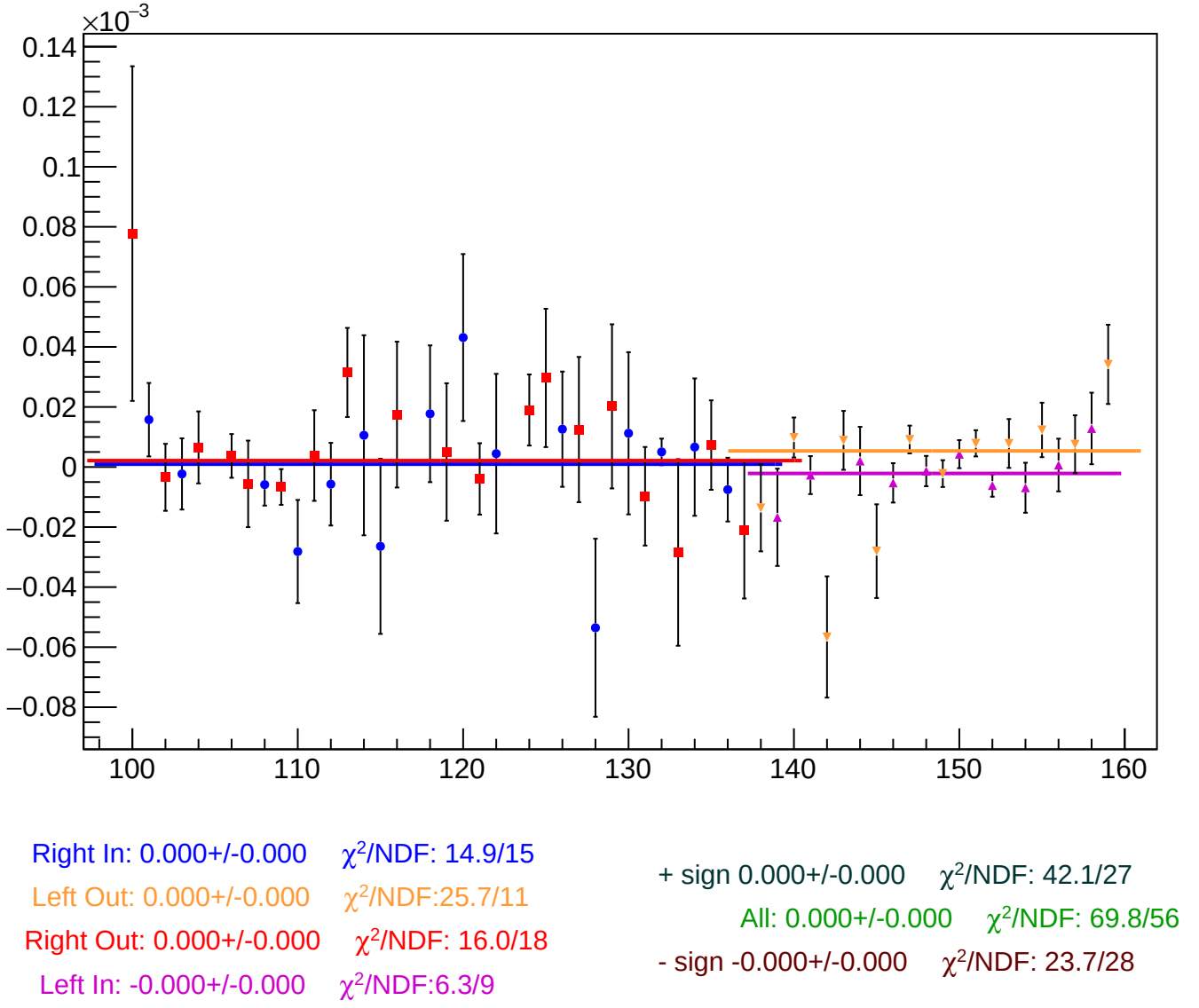
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

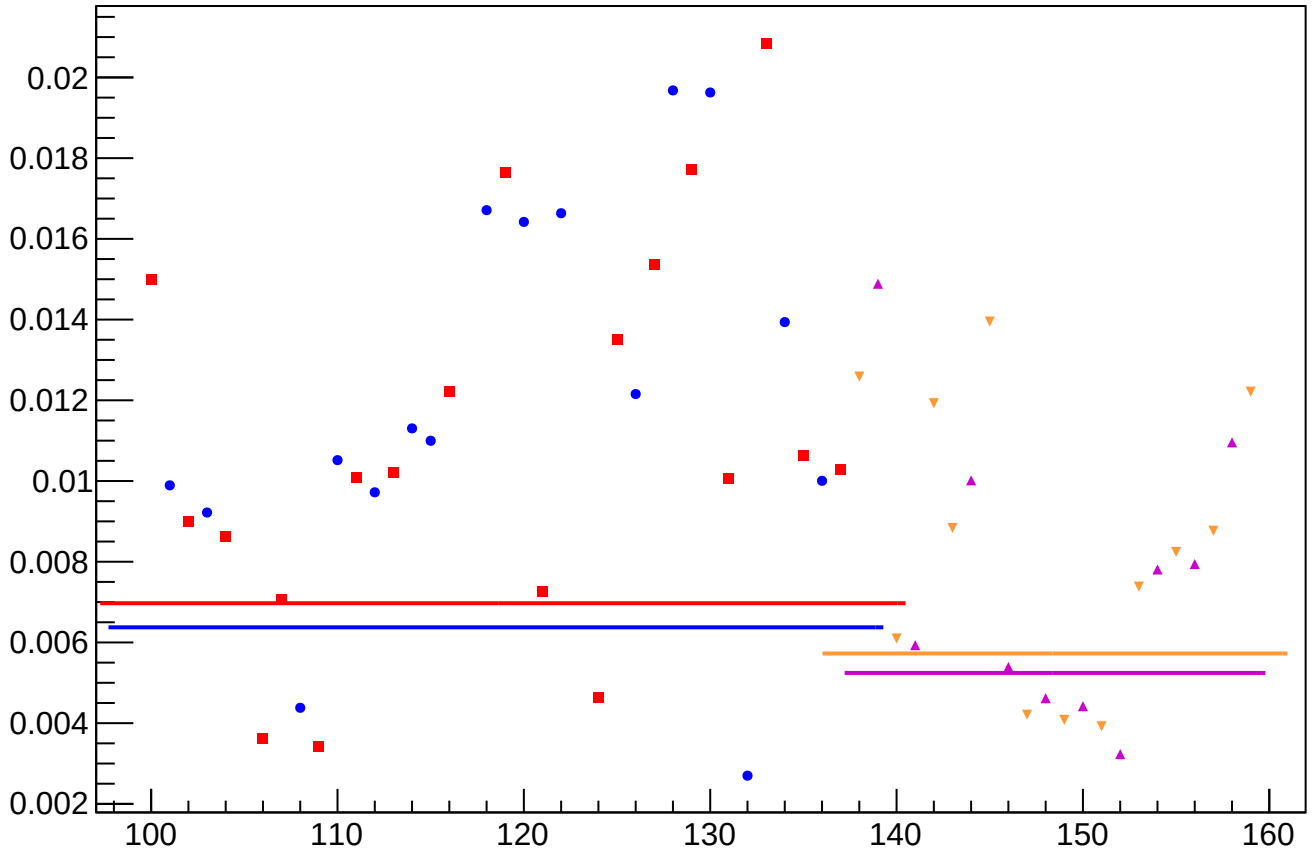
Left In: 294.671+/-0.073 χ^2/NDF:683079.9/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 176.957+/-0.025 χ^2/NDF: 12671796.2/56

- sign 169.933+/-0.034 χ^2/NDF: 6071476.9/28


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:25.7/11
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:6.3/9
+ sign 0.000+/-0.000 χ²/NDF: 42.1/27
All: 0.000+/-0.000 χ²/NDF: 69.8/56
- sign -0.000+/-0.000 χ²/NDF: 23.7/28



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:3148839.7/11

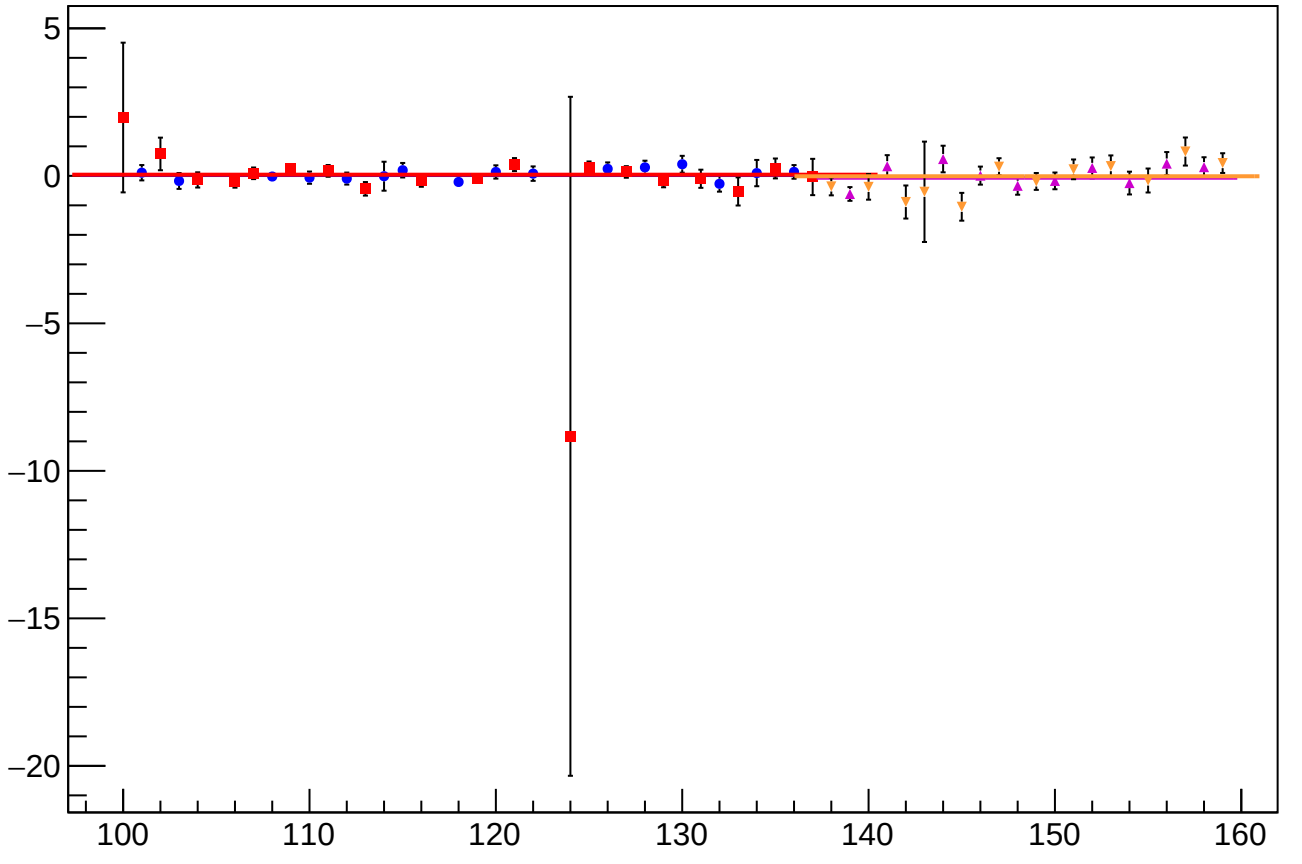
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2597872.0/9

+ sign 0.006+/-0.000 χ^2/NDF: 7854201.6/27

All: 0.006+/-0.000 χ^2/NDF: 14328889.4/56

- sign 0.006+/-0.000 χ^2/NDF: 6464444.3/28



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

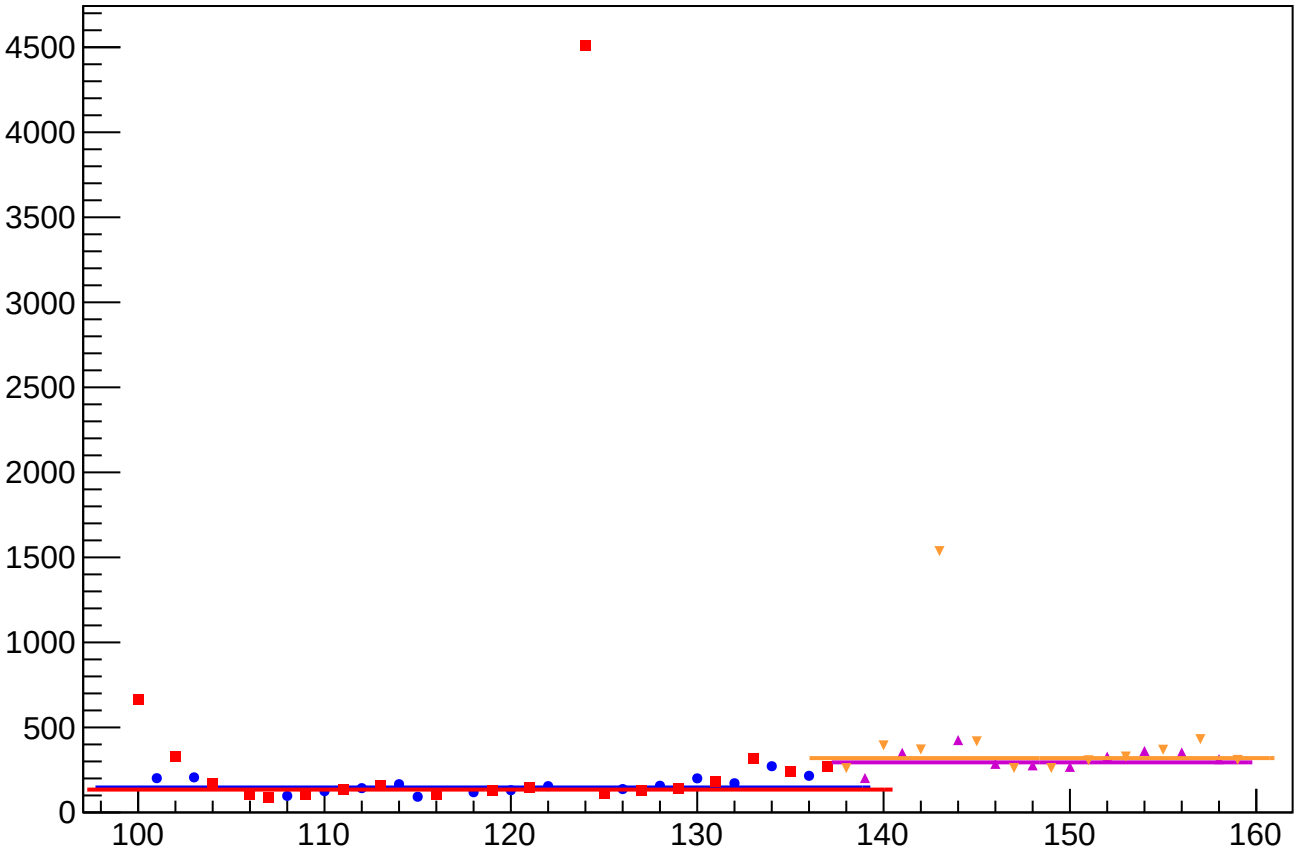
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28



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

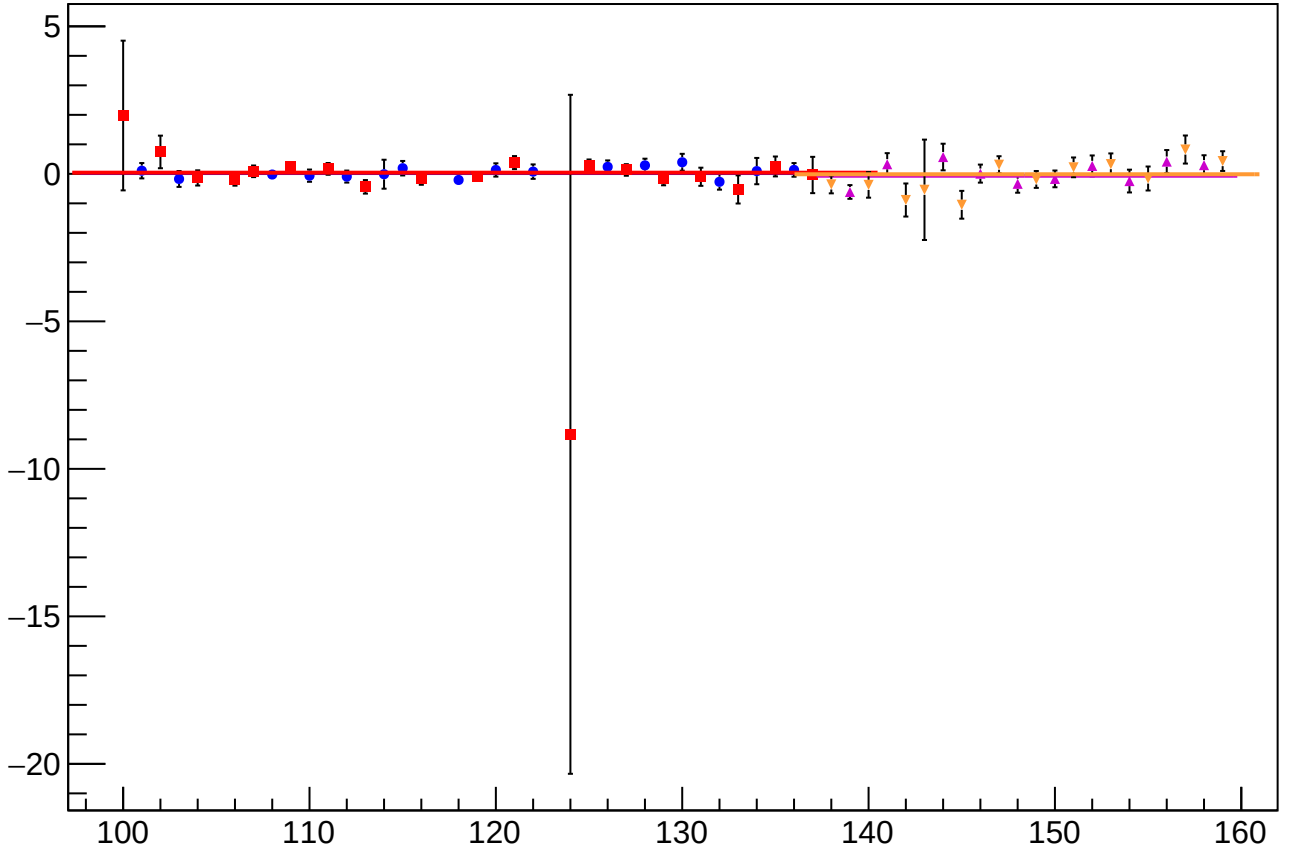
Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511183.9/27

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28

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

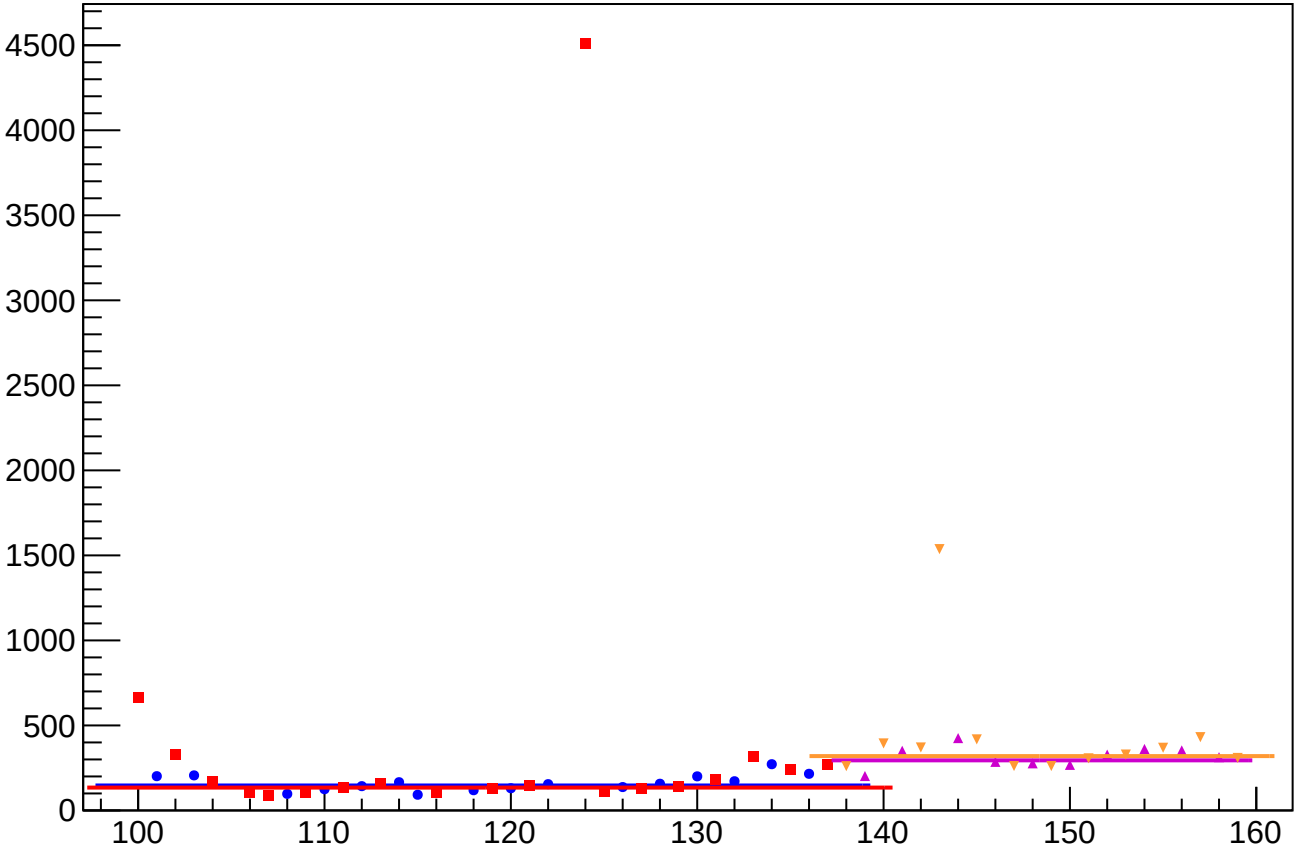
Left In: -0.064+/-0.103 χ^2/NDF:13.4/9

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.017+/-0.035 χ^2/NDF: 61.1/56

- sign 0.016+/-0.048 χ^2/NDF: 34.2/28

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_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

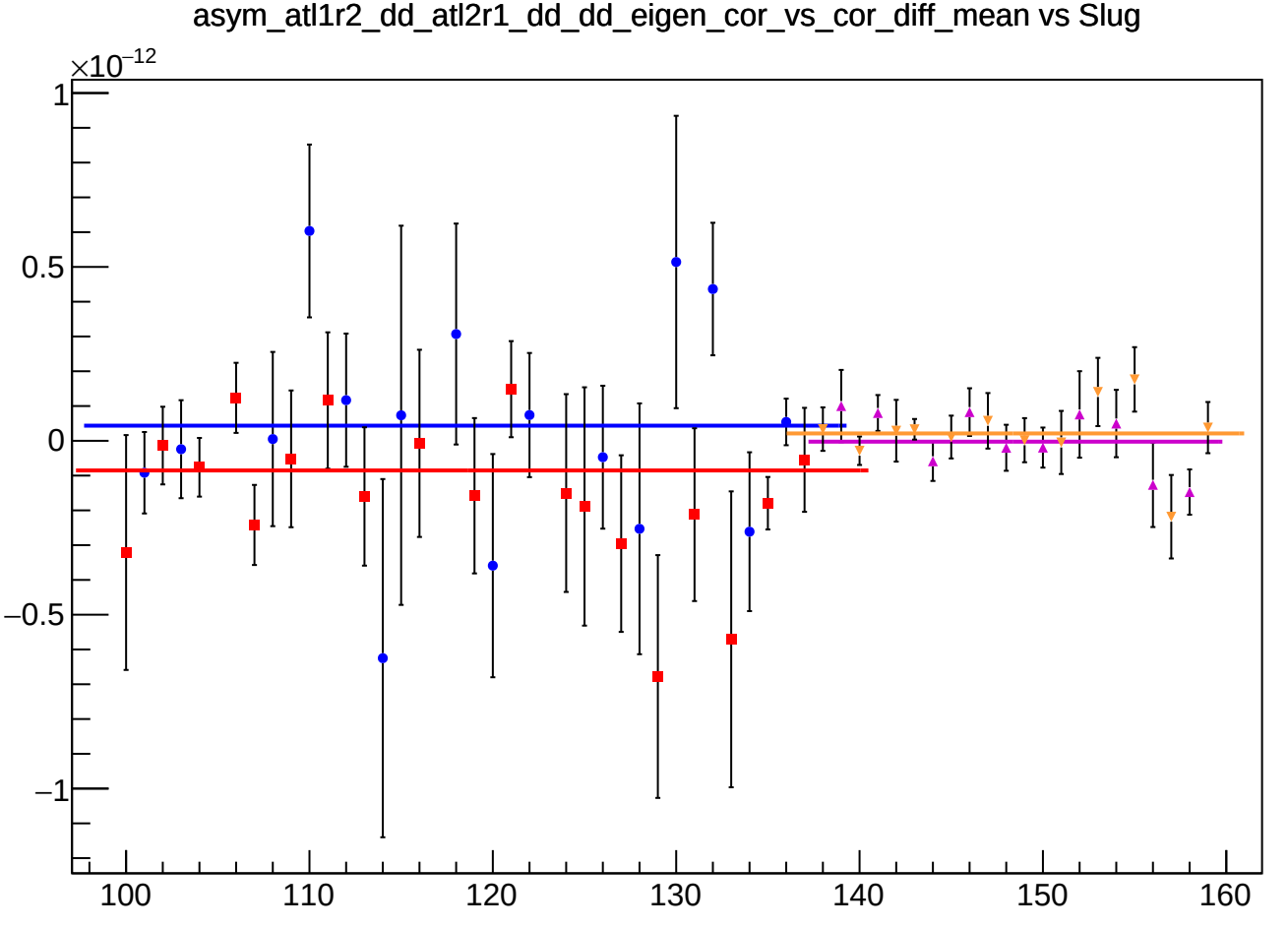
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 294.676+/-0.073 χ^2/NDF:683060.5/9

+ sign 184.768+/-0.036 χ^2/NDF: 6511183.9/27

All: 176.958+/-0.025 χ^2/NDF: 12671779.4/56

- sign 169.934+/-0.034 χ^2/NDF: 6071428.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/11

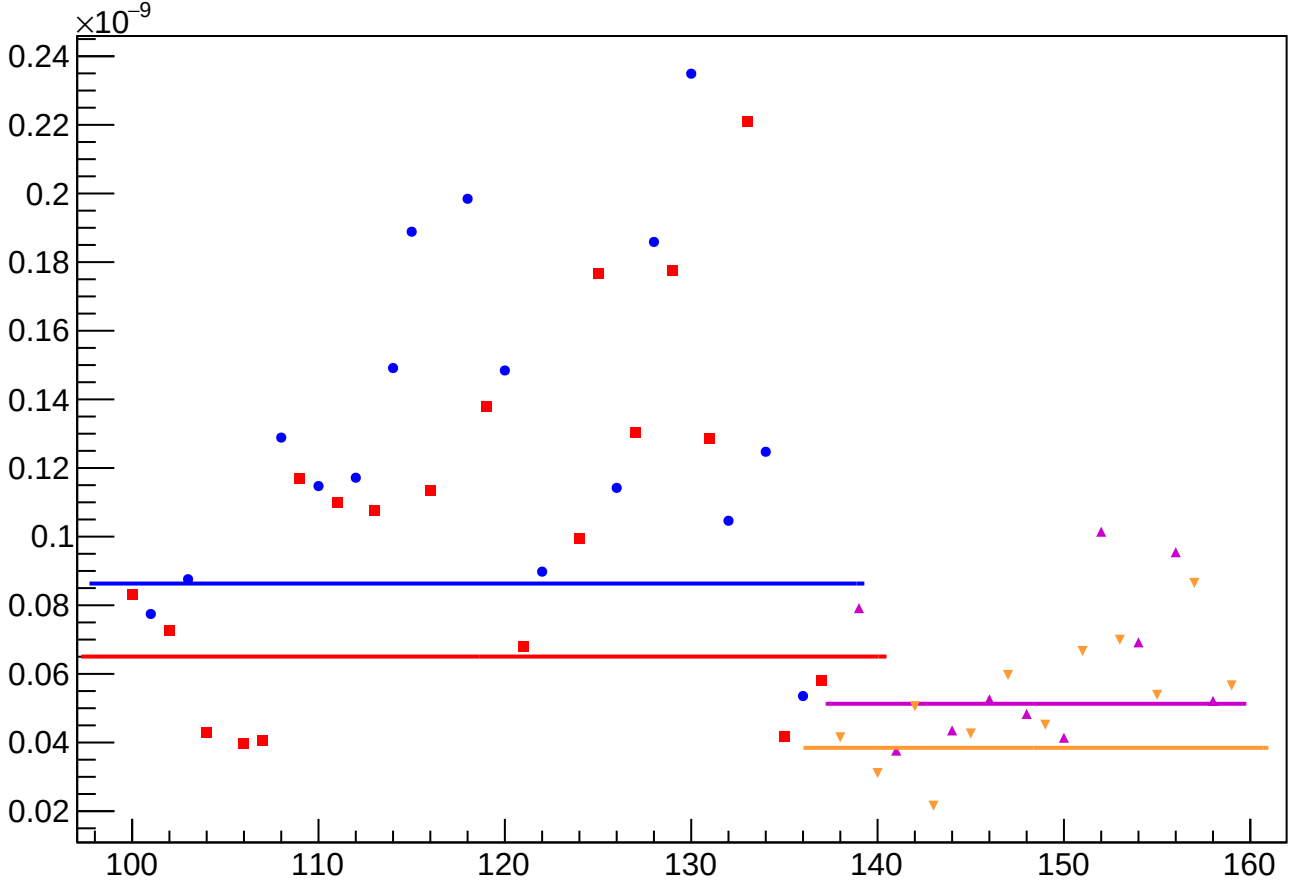
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/27

All: 0.000+/-0.000 χ^2/NDF: 69.2/56

- sign -0.000+/-0.000 χ^2/NDF: 35.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1825264.9/11

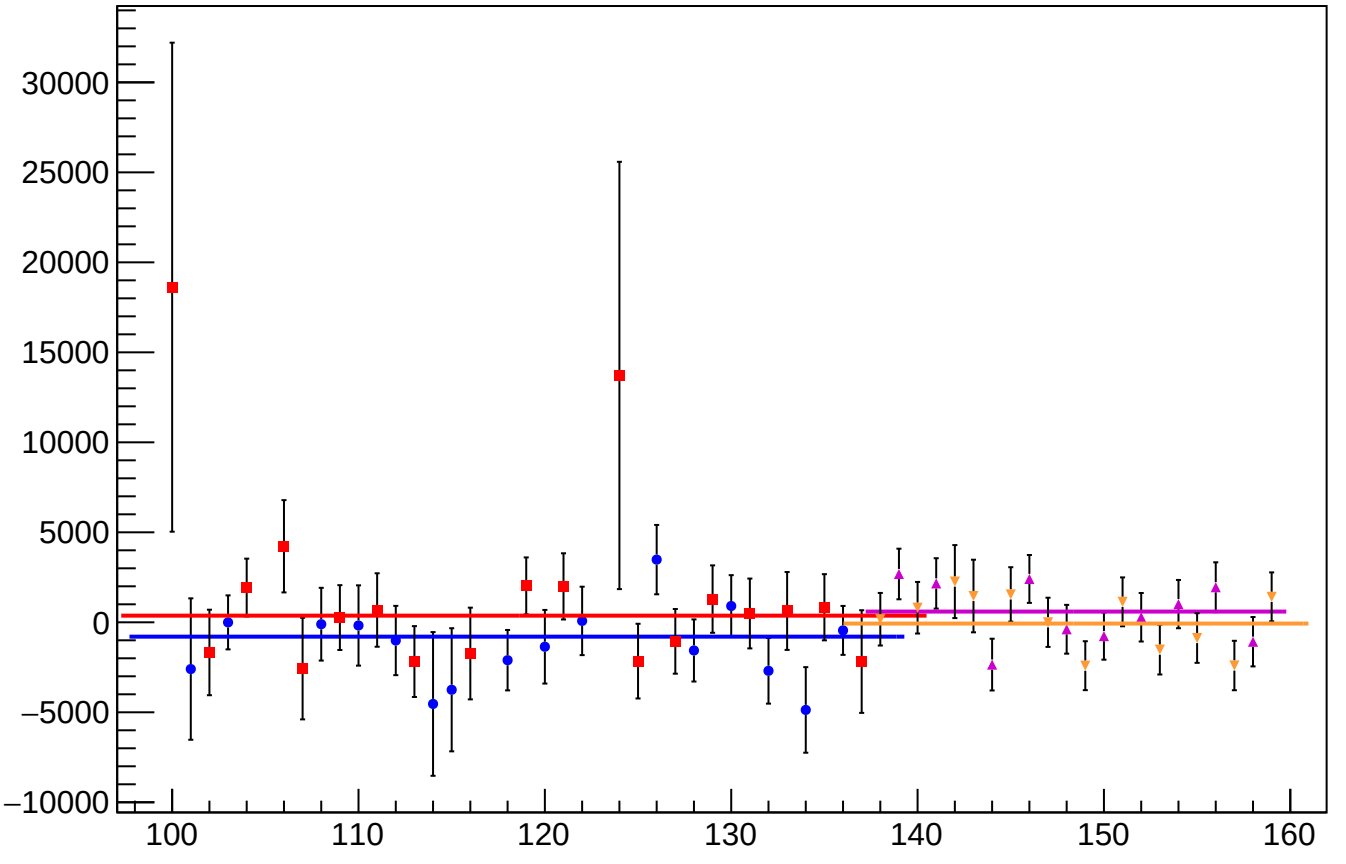
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1044016.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 5550588.3/27

All: 0.000+/-0.000 χ^2/NDF: 9329221.1/56

- sign 0.000+/-0.000 χ^2/NDF: 3429254.1/28



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

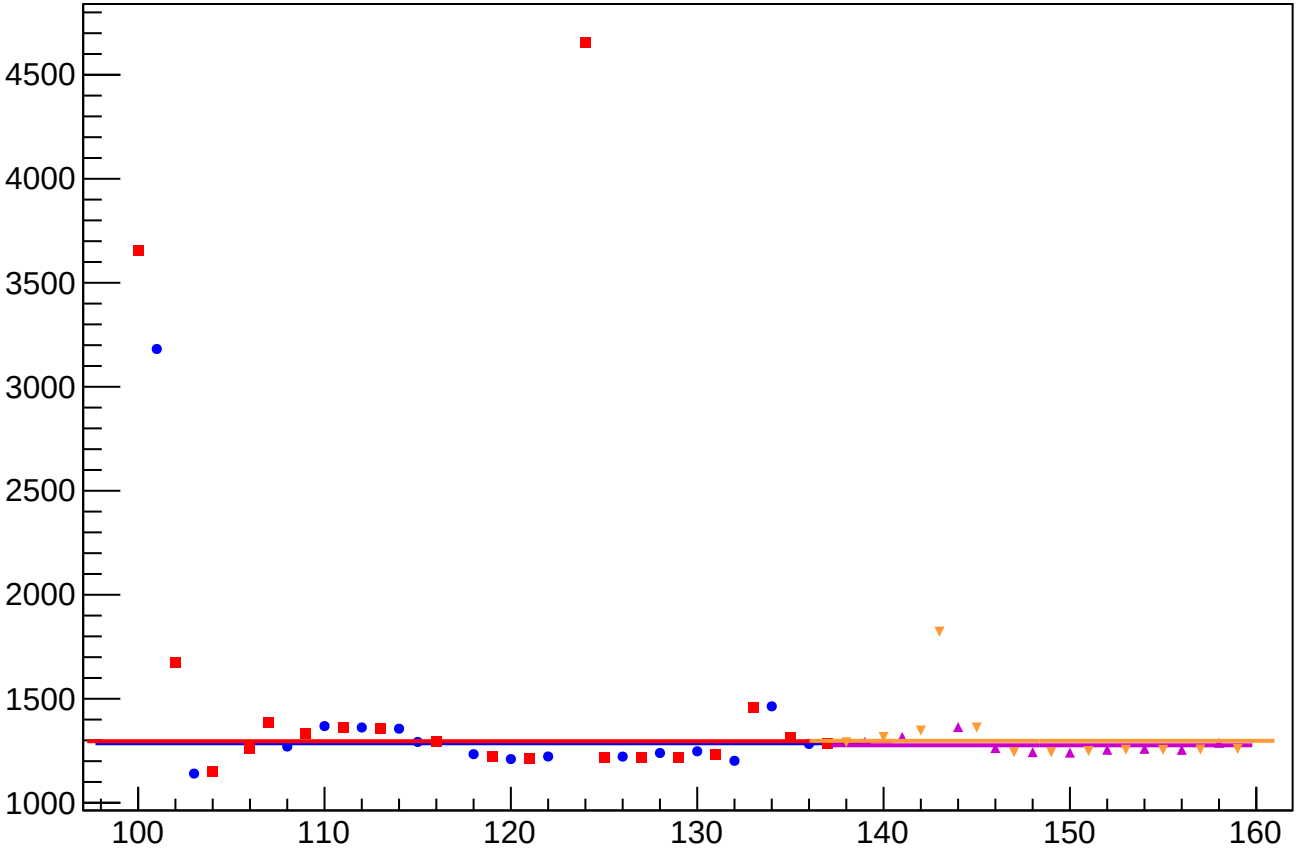
Left In: 596.013+/-432.267 χ^2/NDF:13.7/9

+ sign -381.016+/-318.929 χ^2/NDF: 27.4/27

All: 52.085+/-226.922 χ^2/NDF: 60.6/56

- sign 496.151+/-322.941 χ^2/NDF: 29.4/28

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

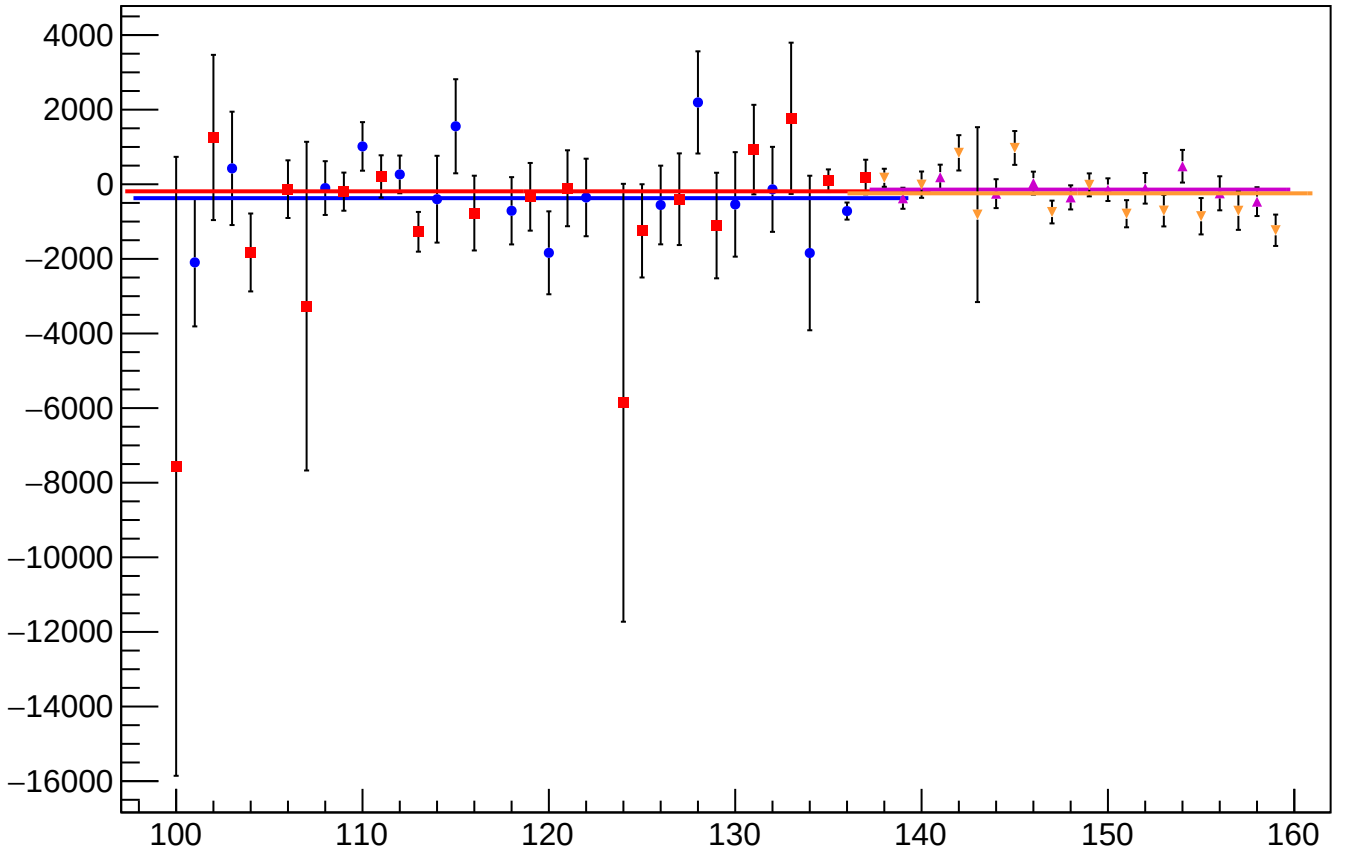
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1292.800+/-0.226 χ^2/NDF: 675743.7/27

All: 1288.938+/-0.160 χ^2/NDF: 1019929.7/56

- sign 1284.979+/-0.228 χ^2/NDF: 343592.2/28



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -242.958+/-109.892 χ^2/NDF:30.6/11

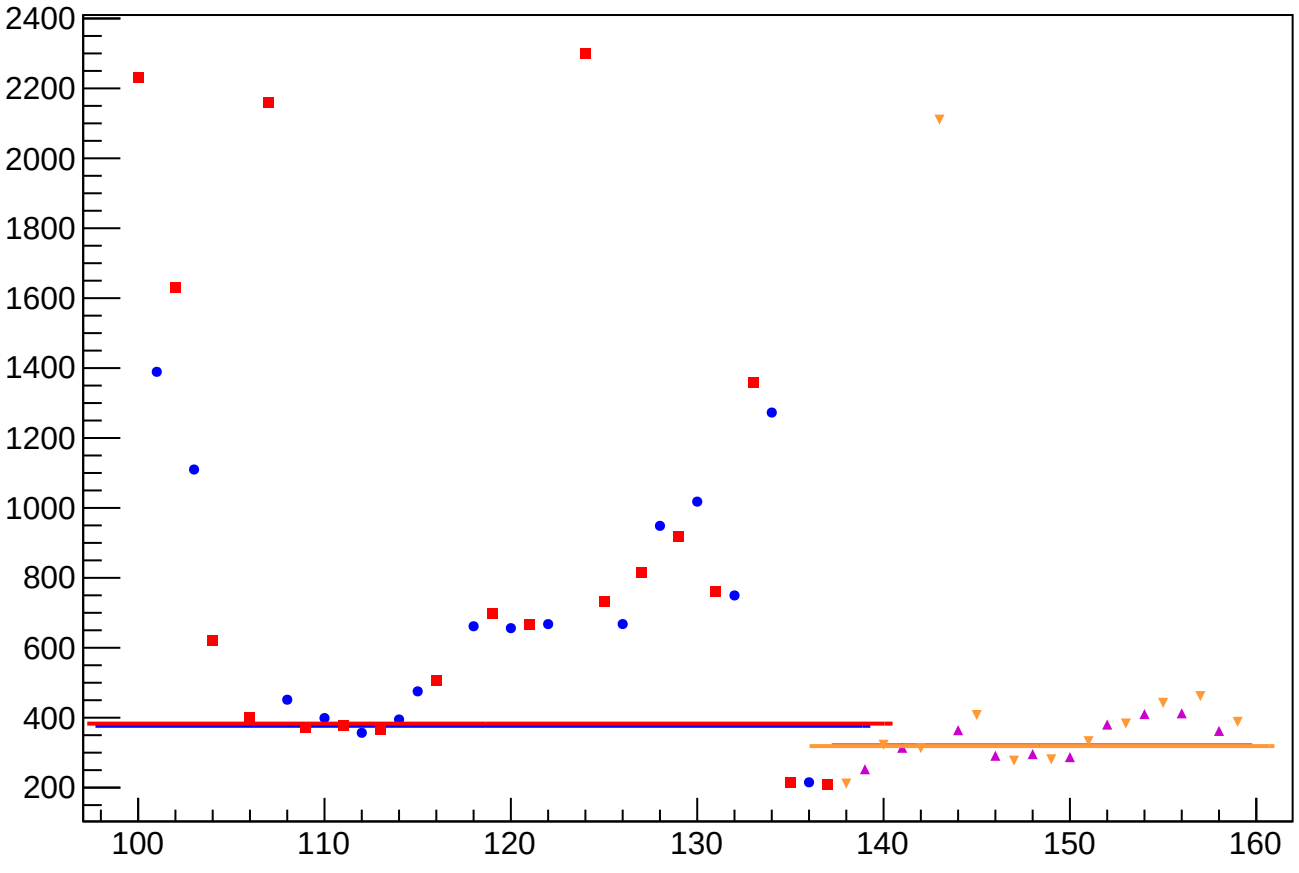
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -143.110+/-110.579 χ^2/NDF:5.3/9

+ sign -281.658+/-91.998 χ^2/NDF: 49.2/27

All: -219.646+/-65.273 χ^2/NDF: 70.1/56

- sign -156.786+/-92.626 χ^2/NDF: 20.0/28



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

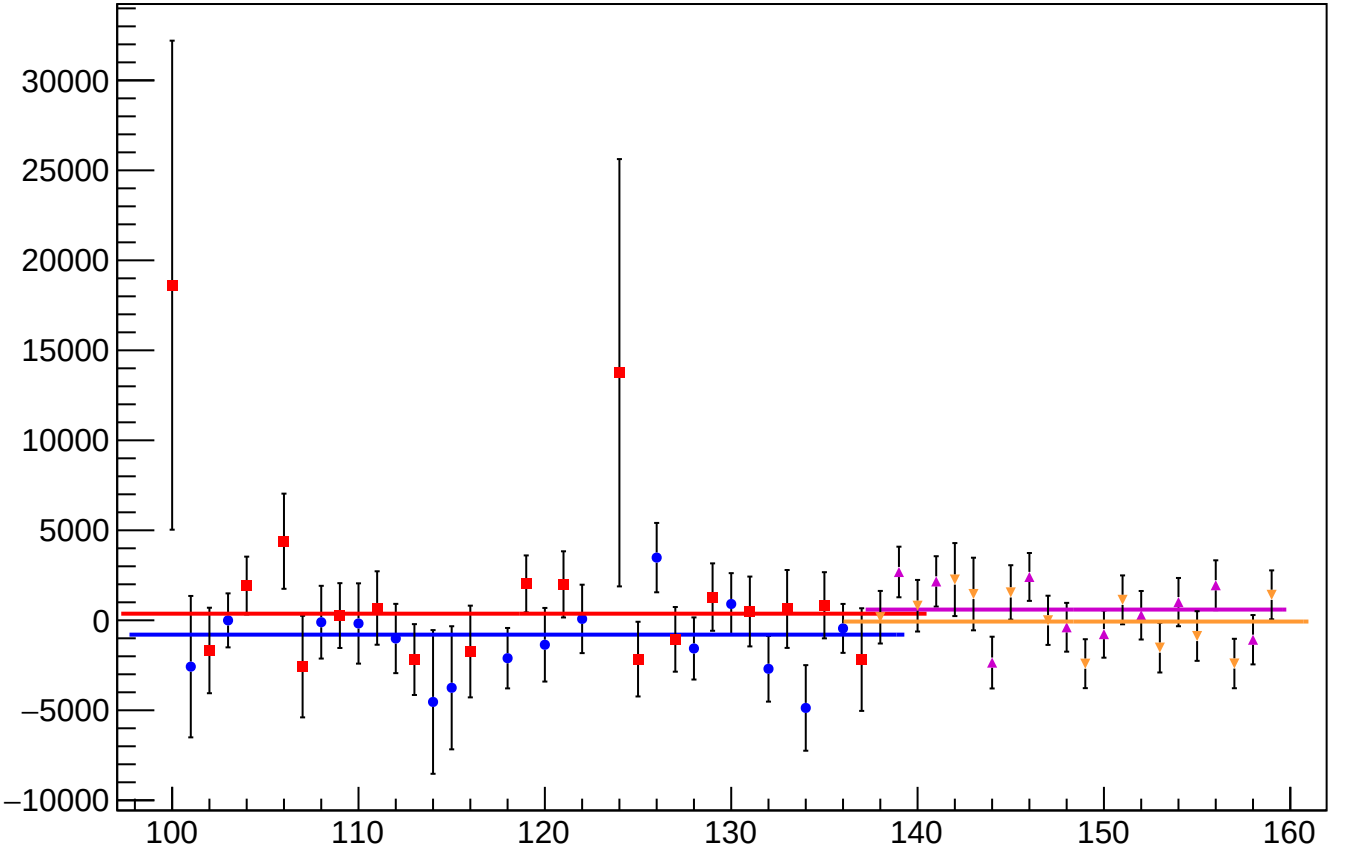
Left In: 320.794+/-0.078 χ^2/NDF:427716.1/9

+ sign 336.147+/-0.065 χ^2/NDF: 6453972.7/27

All: 337.750+/-0.046 χ^2/NDF: 11126320.3/56

- sign 339.375+/-0.065 χ^2/NDF: 4671124.2/28

cor_asym_atl1r2_dd_atl2r1_dd_avg_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

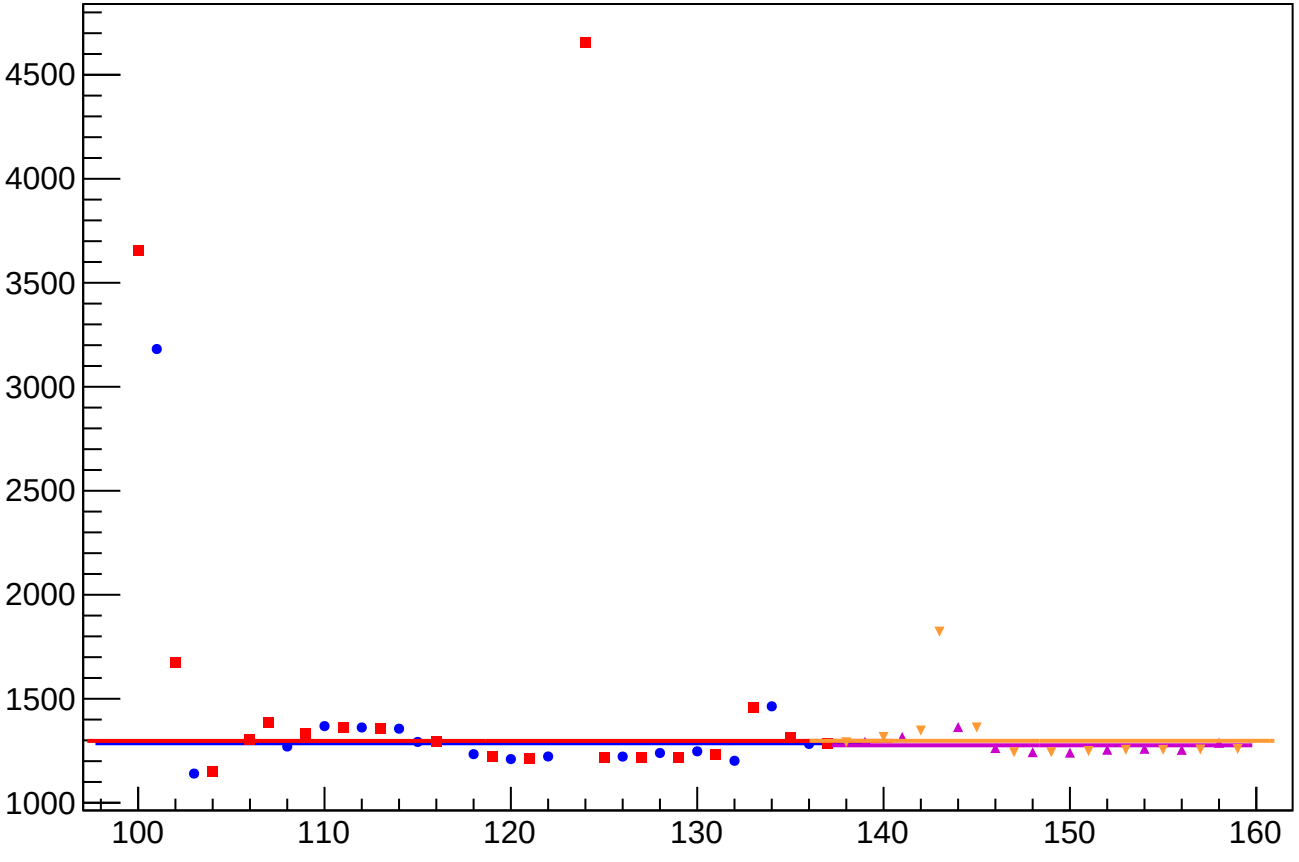
Left In: 595.971+/-432.267 χ^2/NDF:13.7/9

+ sign -380.807+/-318.929 χ^2/NDF: 27.4/27

All: 51.478+/-226.975 χ^2/NDF: 60.6/56

- sign 495.129+/-323.094 χ^2/NDF: 29.5/28

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

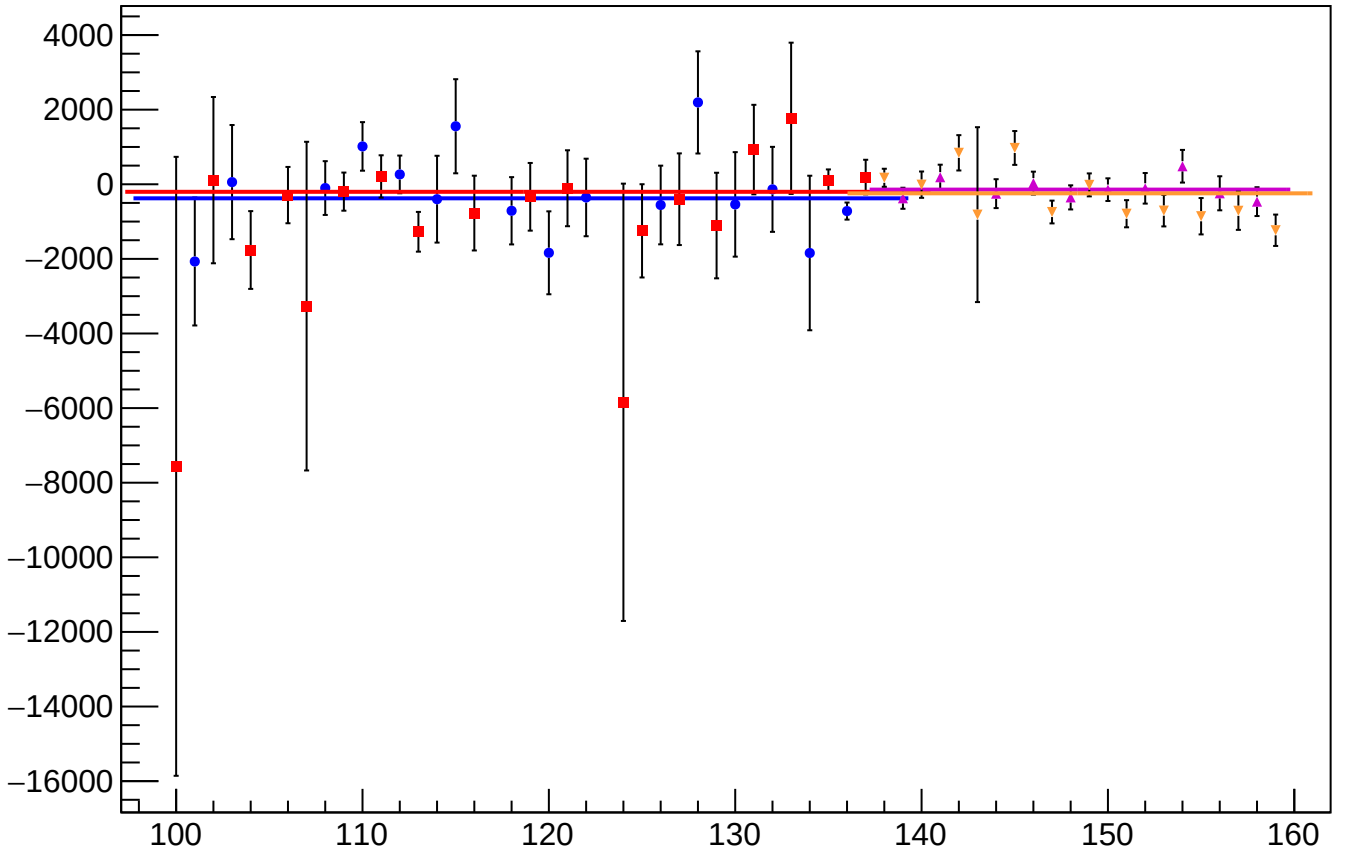
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1292.800+/-0.226 χ^2/NDF: 675745.2/27

All: 1289.251+/-0.160 χ^2/NDF: 1019788.0/56

- sign 1285.609+/-0.228 χ^2/NDF: 343541.0/28



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -242.973+/-109.895 χ^2/NDF:30.6/11

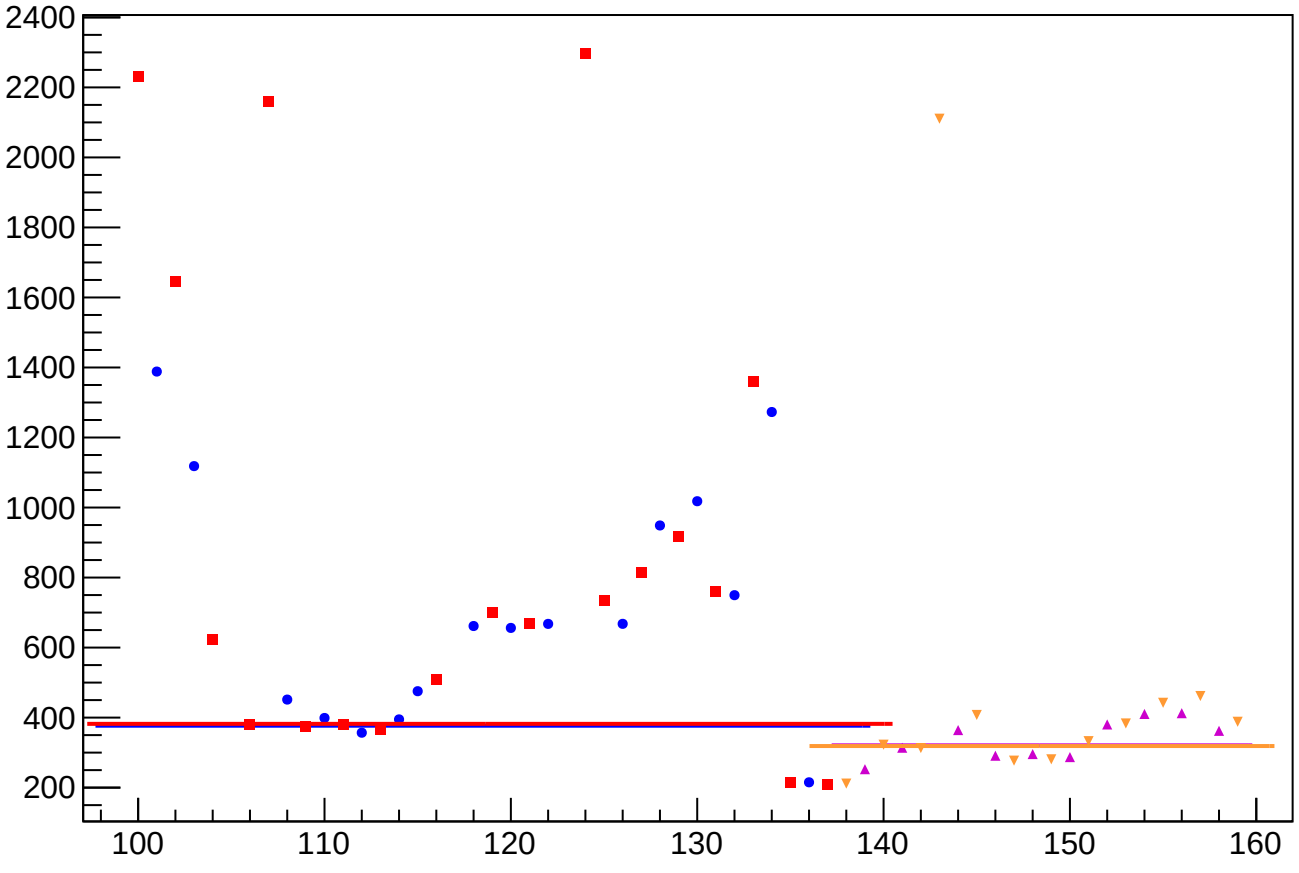
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -143.134+/-110.579 χ^2/NDF:5.3/9

+ sign -282.993+/-92.003 χ^2/NDF: 49.0/27

All: -222.272+/-65.264 χ^2/NDF: 69.2/56

- sign -160.769+/-92.593 χ^2/NDF: 19.4/28



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 318.764+/-0.078 χ^2/NDF:2096232.9/11

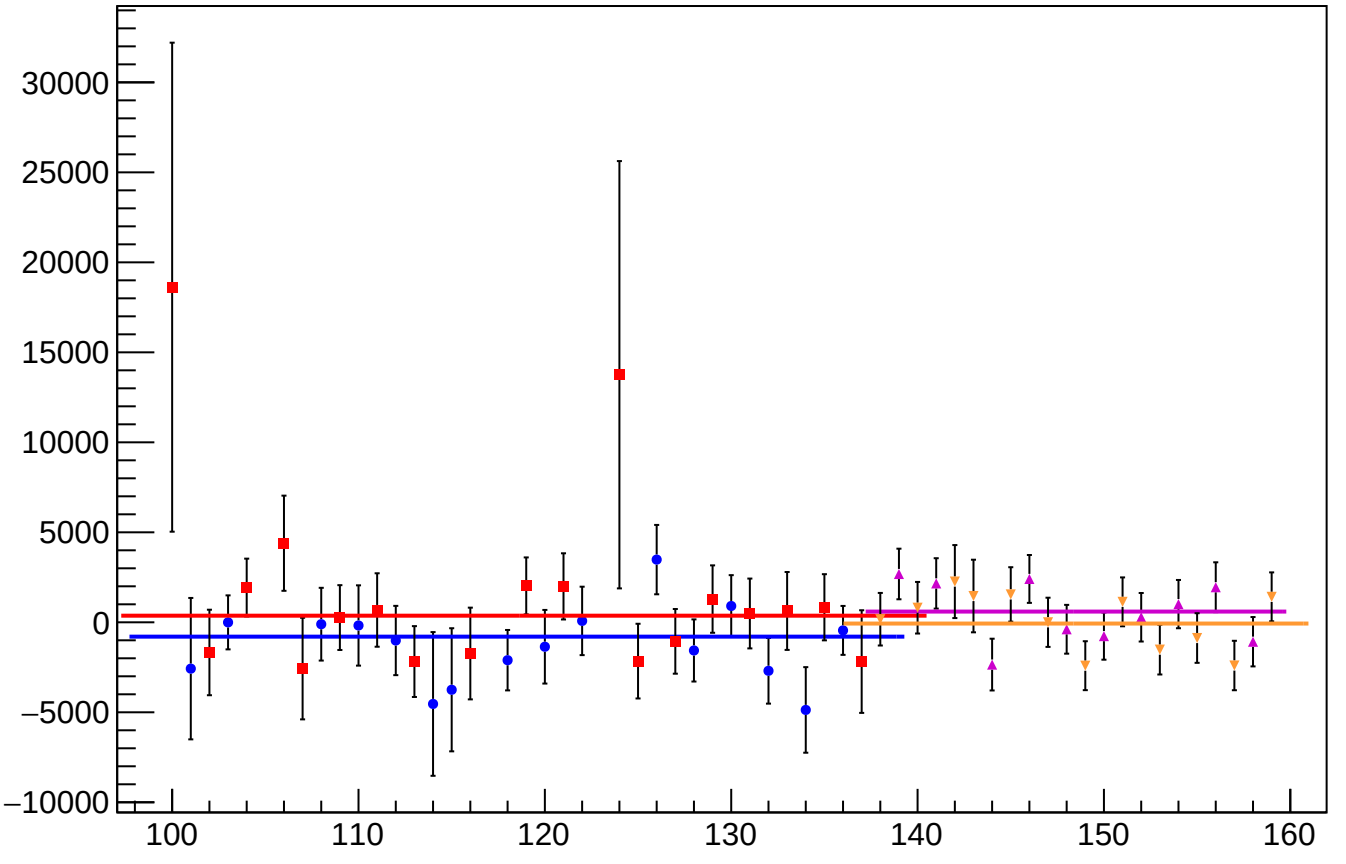
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

+ sign 336.149+/-0.065 χ^2/NDF: 6456882.1/27

All: 337.627+/-0.046 χ^2/NDF: 11129239.0/56

- sign 339.125+/-0.065 χ^2/NDF: 4671317.3/28



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

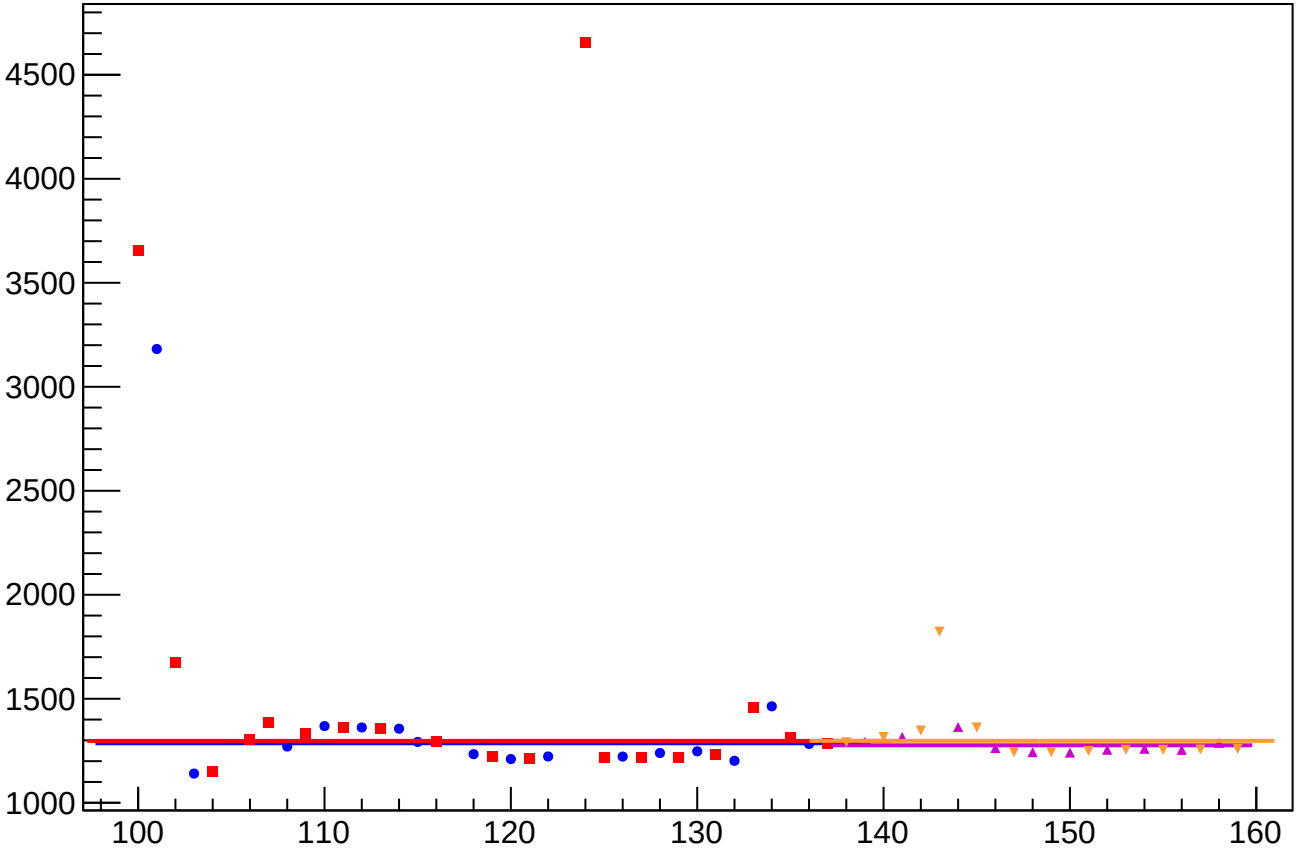
Left In: 595.971+/-432.267 χ^2/NDF:13.7/9

\+ sign -380.807+/-318.929 χ^2/NDF: 27.4/27

All: 51.478+/-226.975 χ^2/NDF: 60.6/56

\- sign 495.129+/-323.094 χ^2/NDF: 29.5/28

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

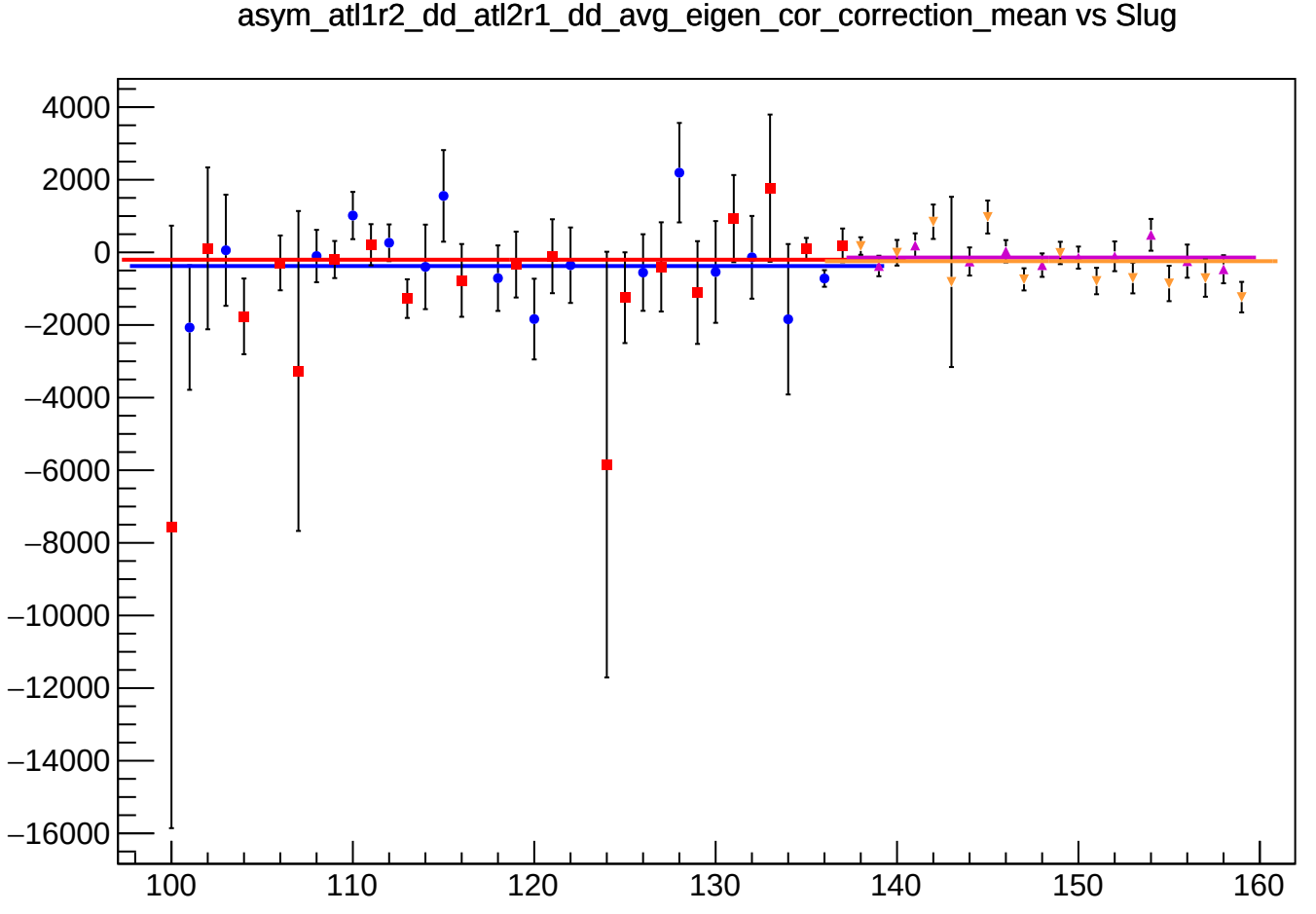
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1276.299+/-0.306 χ^2/NDF:13697.3/9

+ sign 1292.800+/-0.226 χ^2/NDF: 675745.2/27

All: 1289.251+/-0.160 χ^2/NDF: 1019788.0/56

- sign 1285.609+/-0.228 χ^2/NDF: 343541.0/28



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -242.973+/-109.895 χ^2/NDF:30.6/11

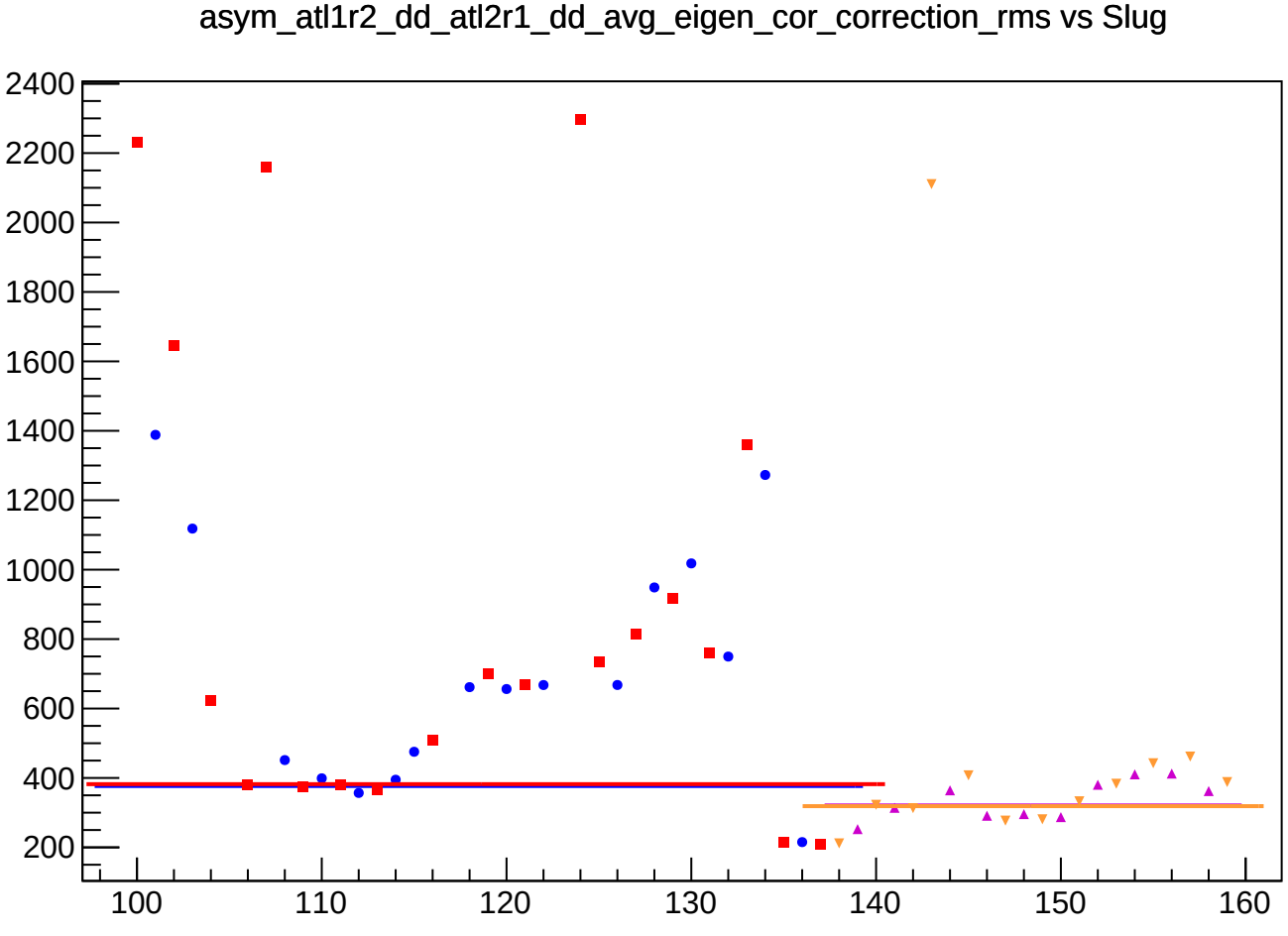
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -143.134+/-110.579 χ^2/NDF:5.3/9

+ sign -282.993+/-92.003 χ^2/NDF: 49.0/27

All: -222.272+/-65.264 χ^2/NDF: 69.2/56

- sign -160.769+/-92.593 χ^2/NDF: 19.4/28



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

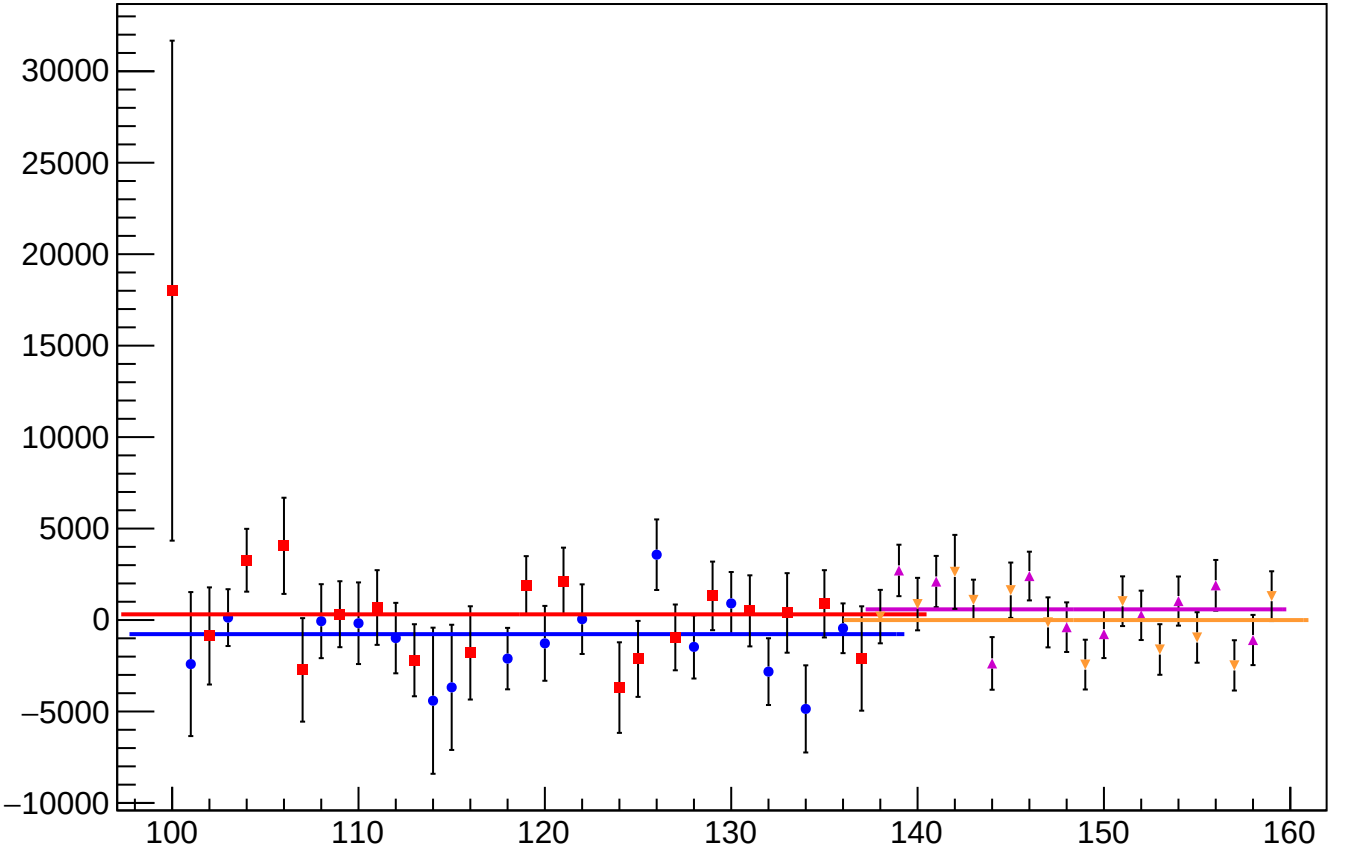
Left In: 320.792+/-0.078 χ^2/NDF:427778.0/9

+ sign 336.149+/-0.065 χ^2/NDF: 6456882.1/27

All: 337.627+/-0.046 χ^2/NDF: 11129239.0/56

- sign 339.125+/-0.065 χ^2/NDF: 4671317.3/28

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

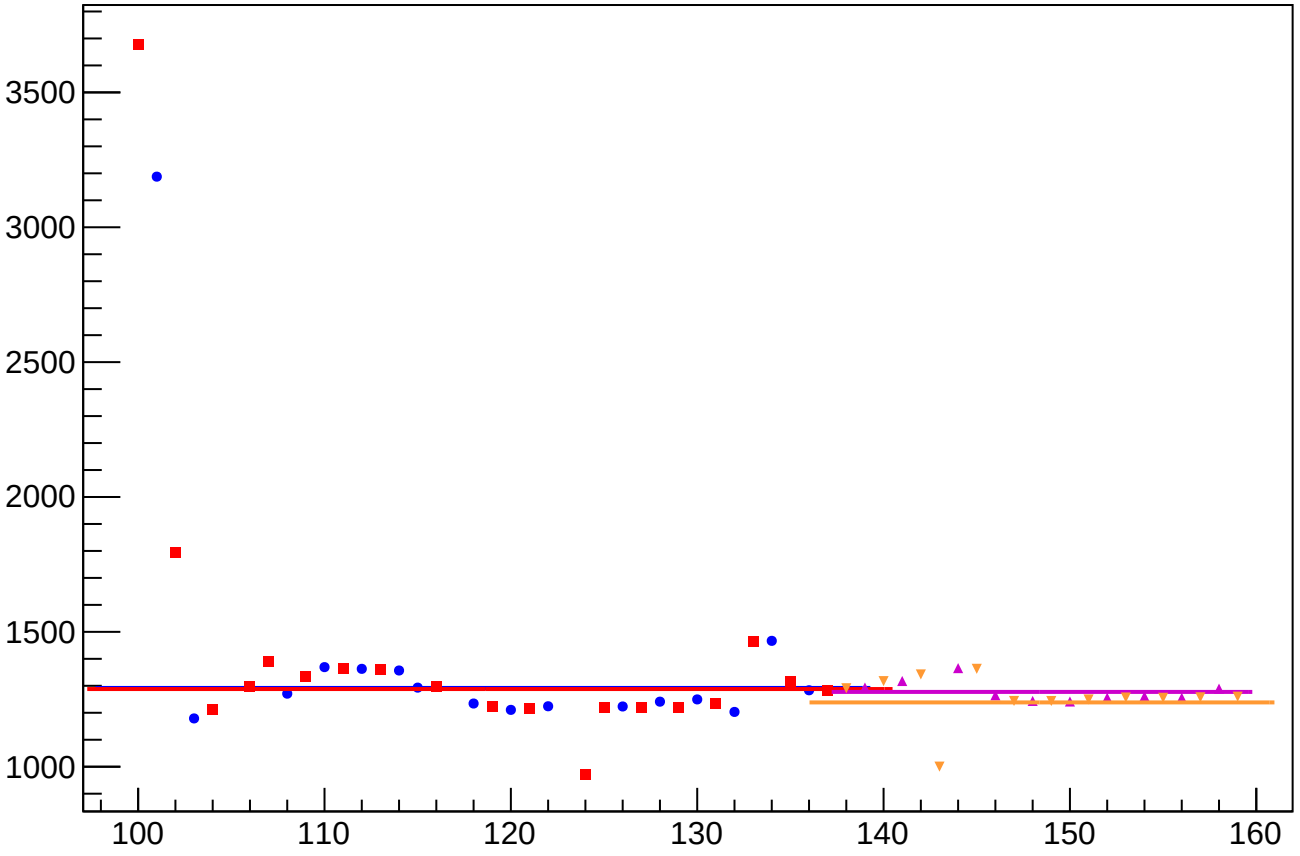
Left In: 583.693+/-432.619 χ^2/NDF:13.7/9

+ sign -312.178+/-310.715 χ^2/NDF: 29.1/27

All: 61.120+/-223.641 χ^2/NDF: 63.9/56

- sign 462.392+/-322.147 χ^2/NDF: 31.8/28

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

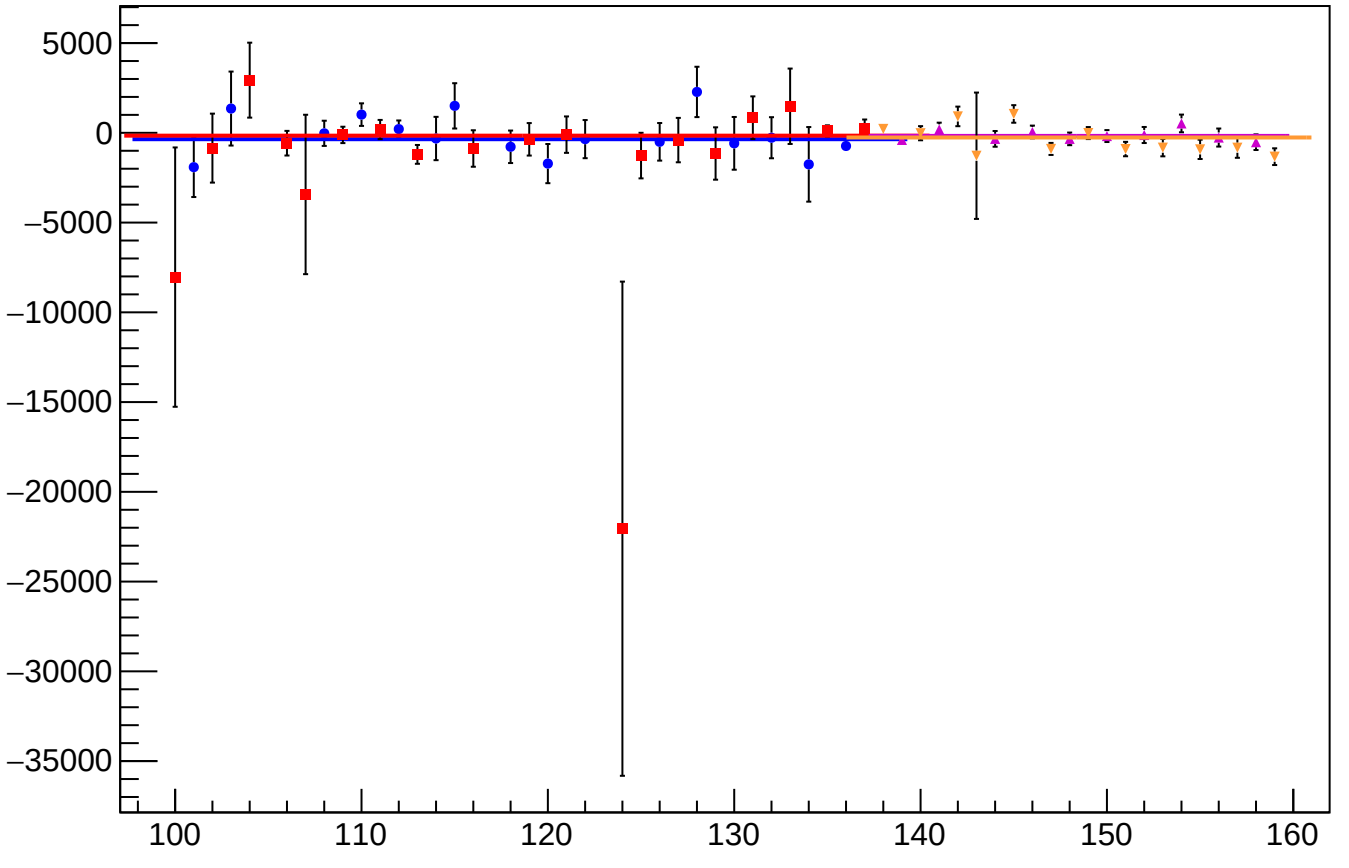
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

+ sign 1260.011+/-0.220 χ^2/NDF: 645383.6/27

All: 1270.647+/-0.158 χ^2/NDF: 873759.5/56

- sign 1282.081+/-0.228 χ^2/NDF: 223512.7/28



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -259.770+/-119.111 χ^2/NDF:32.0/11

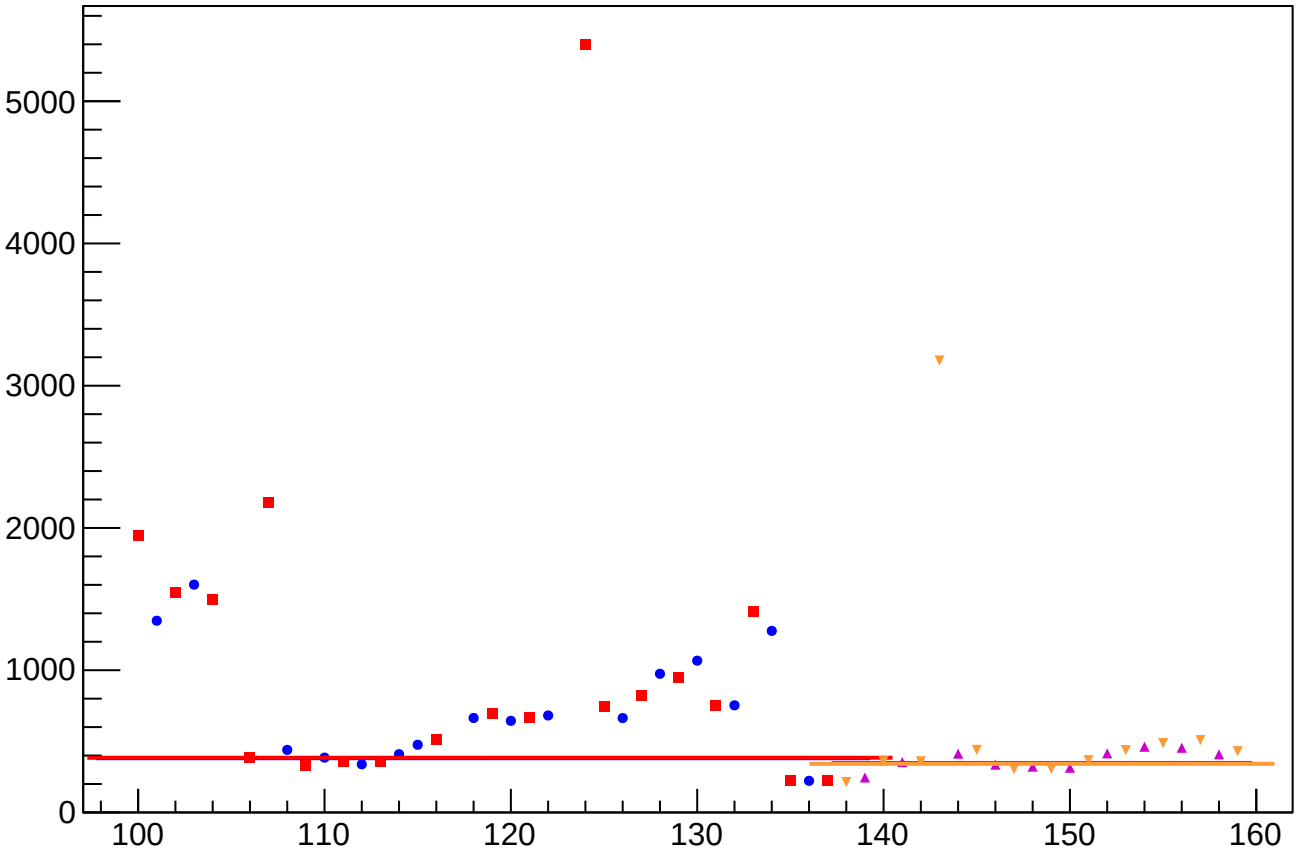
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -171.795+/-120.669 χ^2/NDF:5.0/9

+ sign -291.208+/-97.544 χ^2/NDF: 50.7/27

All: -229.672+/-69.252 χ^2/NDF: 72.3/56

- sign -167.135+/-98.335 χ^2/NDF: 20.8/28



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 342.022+/-0.084 χ^2/NDF:2469442.6/11

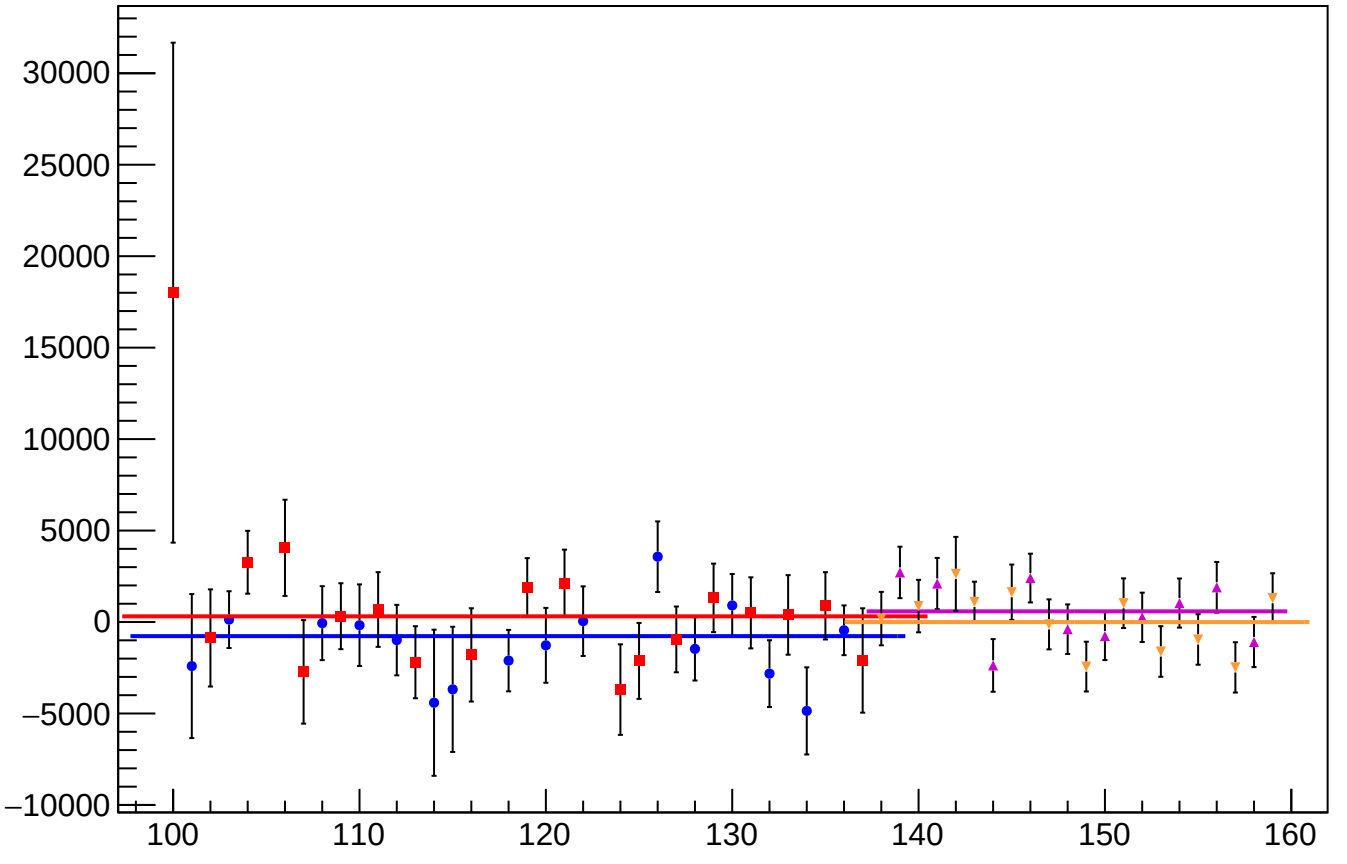
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 347.930+/-0.085 χ^2/NDF:632733.1/9

+ sign 354.974+/-0.069 χ^2/NDF: 6859170.9/27

All: 357.598+/-0.049 χ^2/NDF: 12117244.4/56

- sign 360.265+/-0.070 χ^2/NDF: 5255155.2/28



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

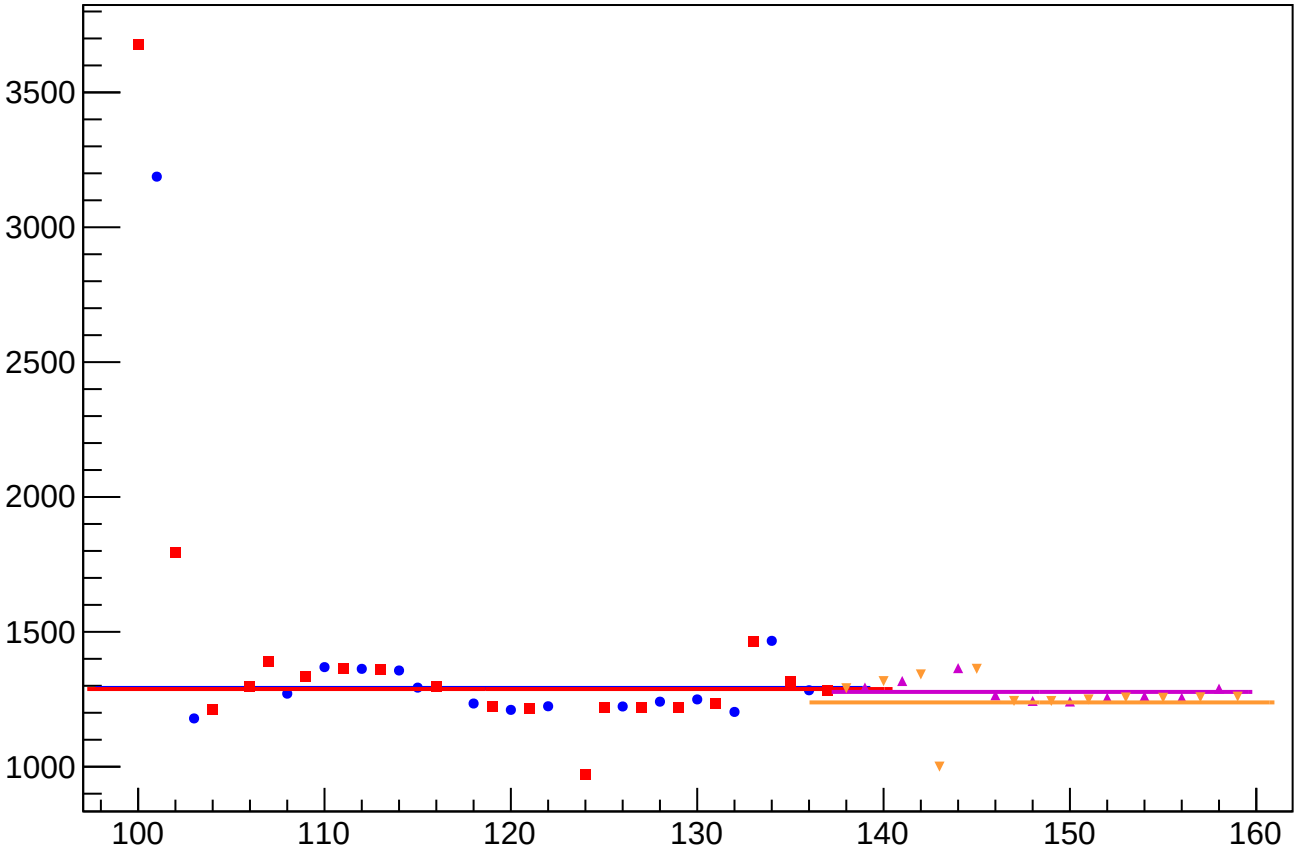
Left In: 583.690+/-432.619 χ^2/NDF:13.7/9

+ sign -312.179+/-310.715 χ^2/NDF: 29.1/27

All: 61.119+/-223.641 χ^2/NDF: 63.9/56

- sign 462.391+/-322.147 χ^2/NDF: 31.8/28

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

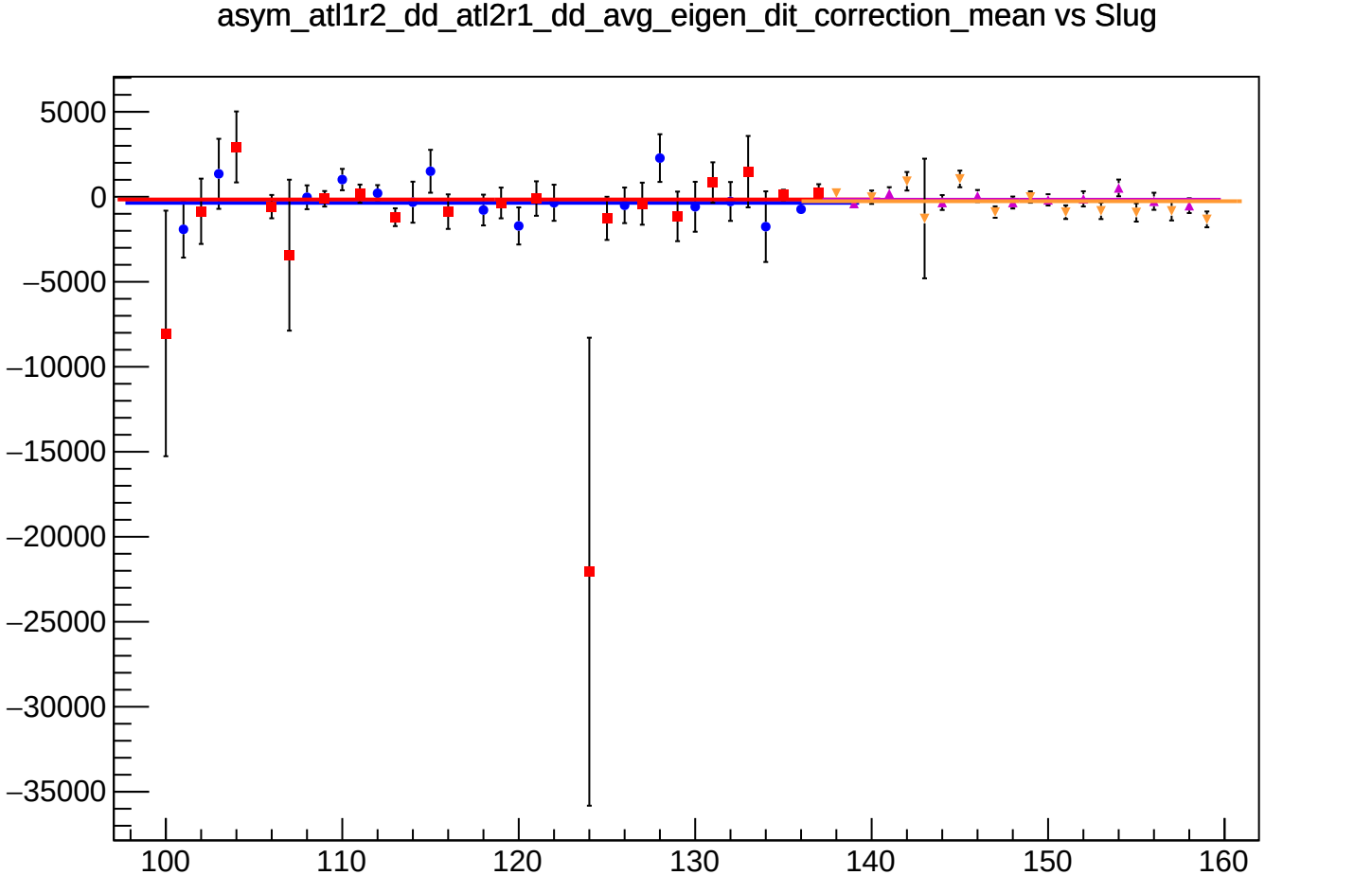
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1277.334+/-0.306 χ^2/NDF:13763.5/9

+ sign 1260.011+/-0.220 χ^2/NDF: 645382.7/27

All: 1270.647+/-0.158 χ^2/NDF: 873758.8/56

- sign 1282.081+/-0.228 χ^2/NDF: 223513.0/28



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -259.781+/-119.113 χ^2/NDF:32.0/11

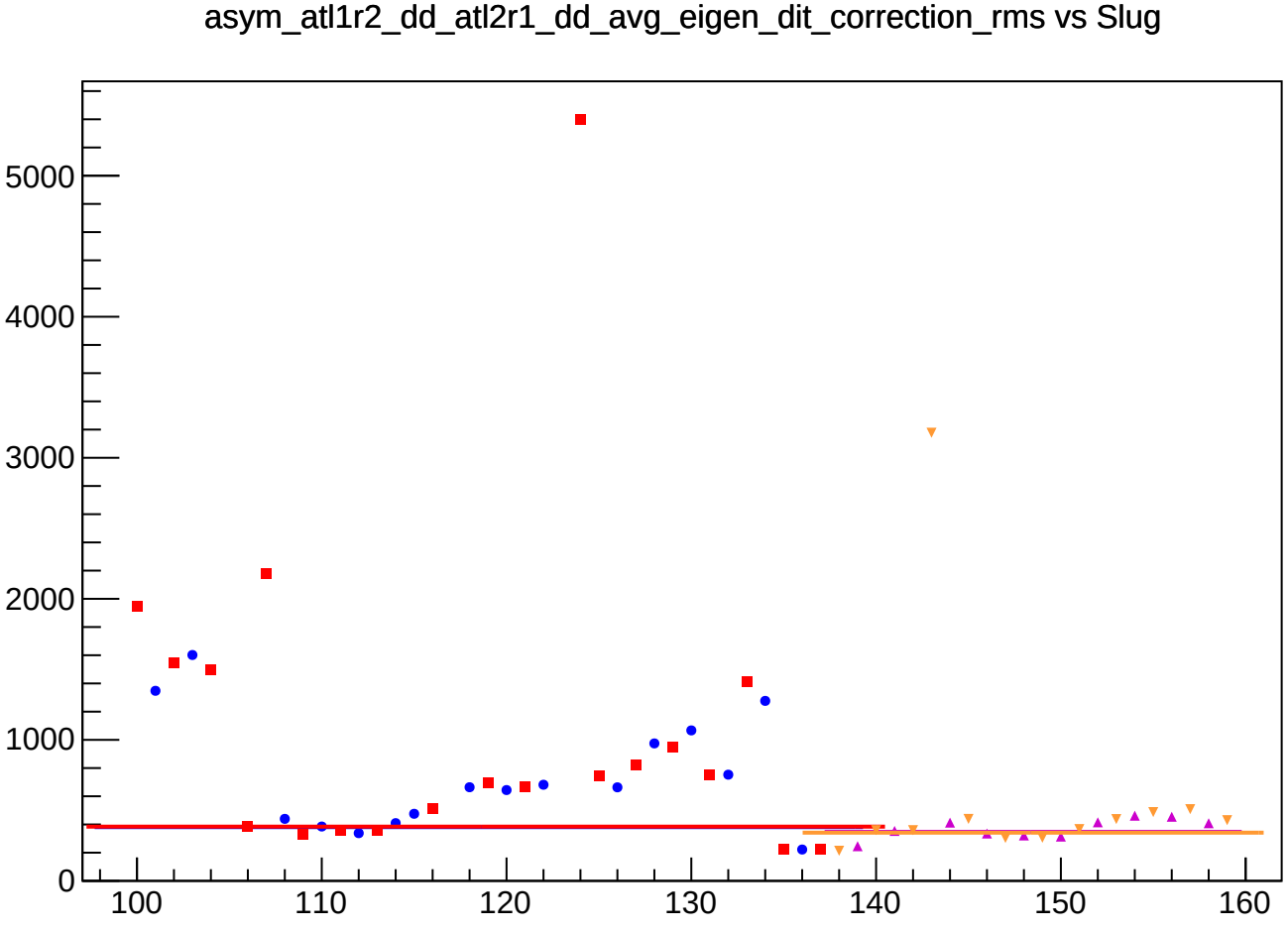
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -171.796+/-120.670 χ^2/NDF:5.0/9

\+ sign -291.215+/-97.546 χ^2/NDF: 50.7/27

All: -229.677+/-69.253 χ^2/NDF: 72.3/56

\- sign -167.138+/-98.336 χ^2/NDF: 20.8/28



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

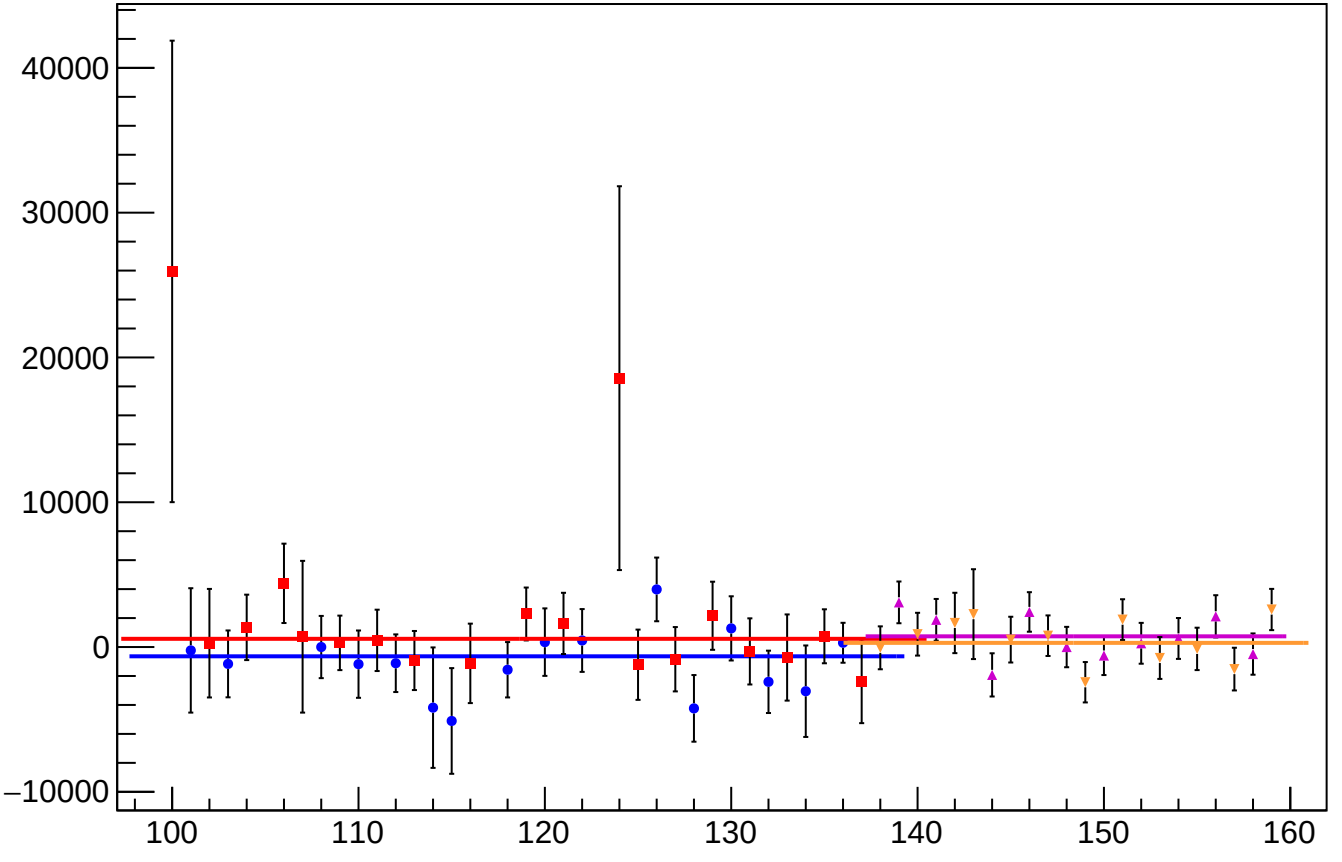
Left In: 347.935+/-0.085 χ^2/NDF:632641.8/9

+ sign 354.982+/-0.069 χ^2/NDF: 6858833.6/27

All: 357.605+/-0.049 χ^2/NDF: 12116681.6/56

- sign 360.271+/-0.070 χ^2/NDF: 5254932.2/28

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

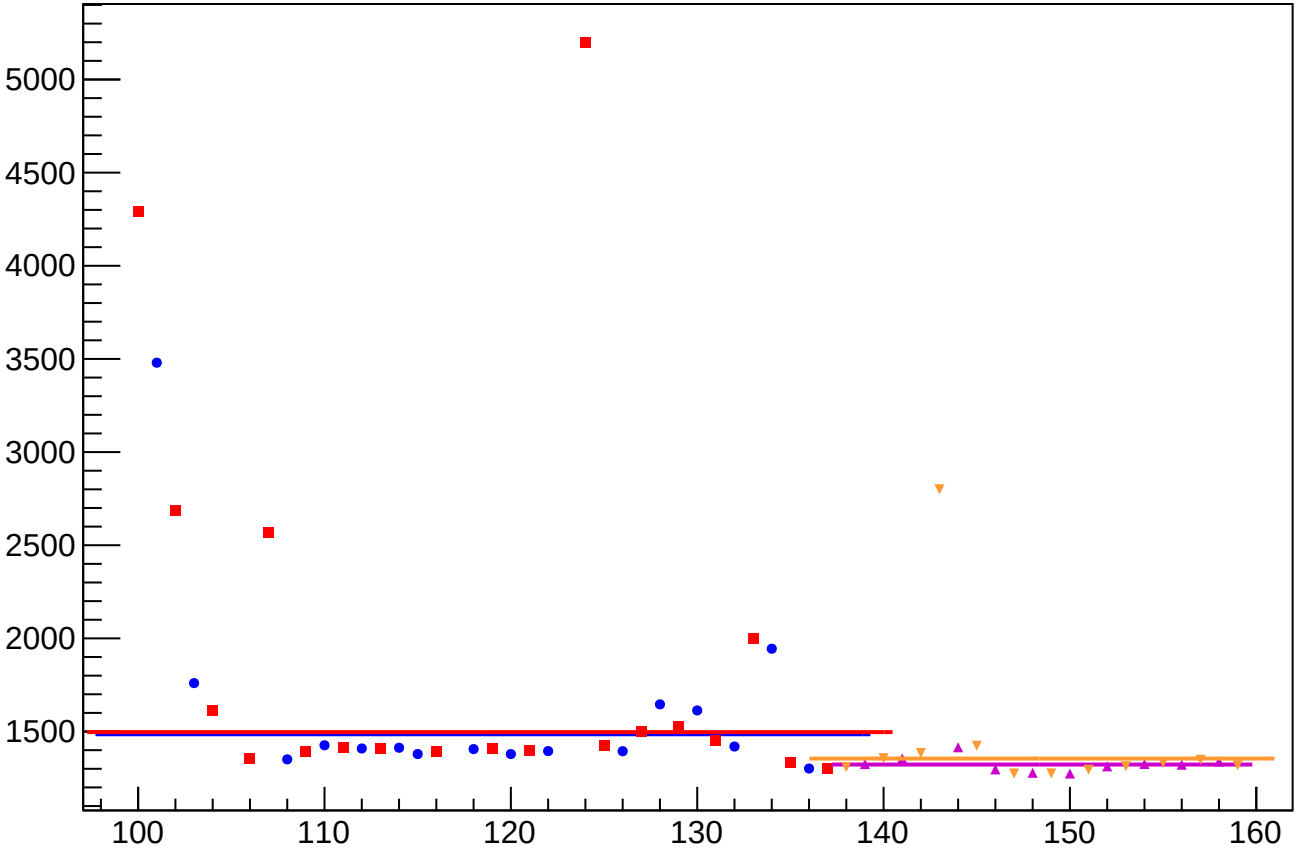
Left In: 739.423+/-448.049 χ^2/NDF:11.0/9

+ sign -66.903+/-348.921 χ^2/NDF: 25.2/27

All: 300.442+/-247.626 χ^2/NDF: 49.8/56

- sign 673.209+/-351.486 χ^2/NDF: 22.4/28

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

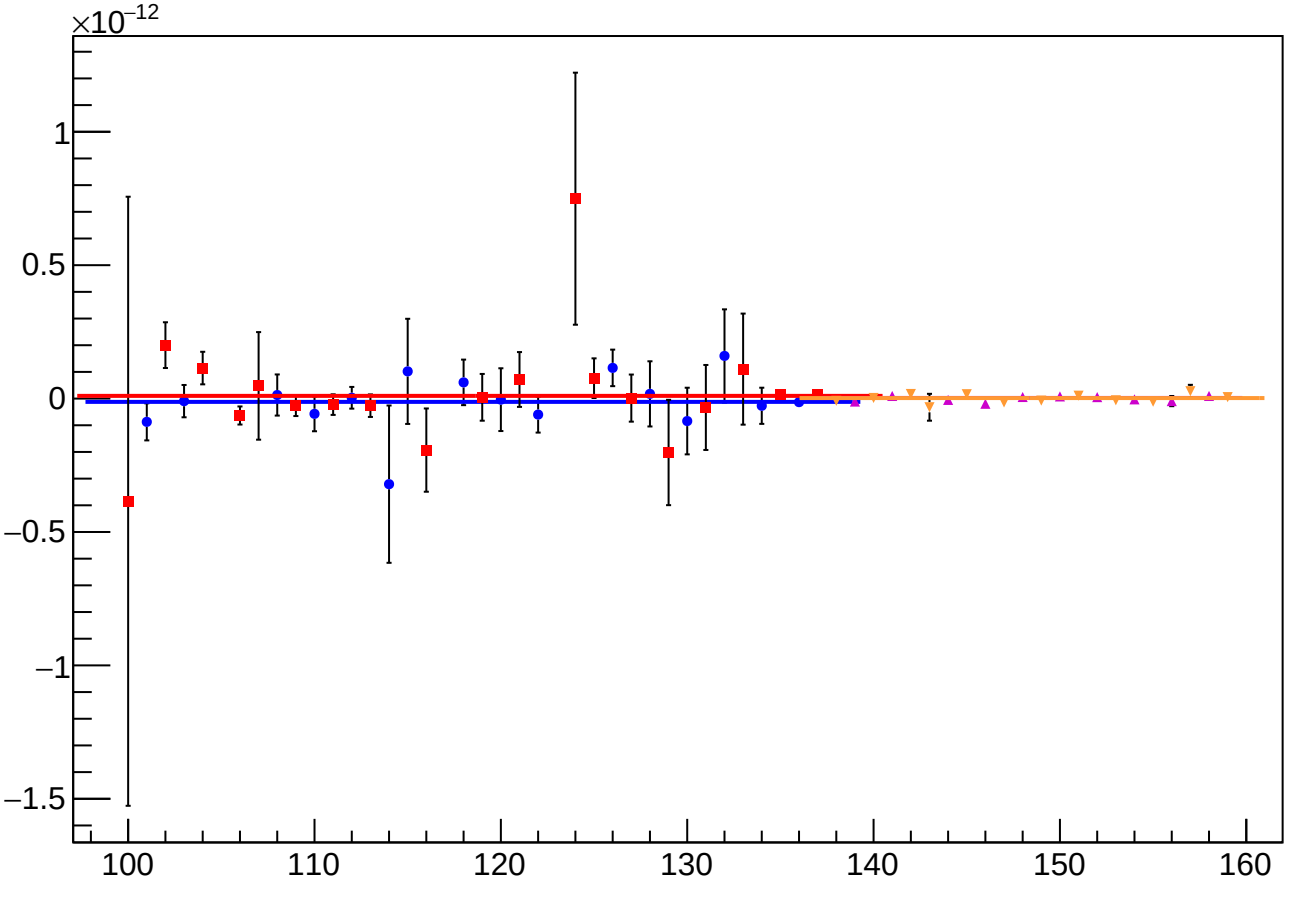
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.829+/-0.317 χ^2/NDF:14415.3/9

+ sign 1404.860+/-0.247 χ^2/NDF: 1110553.9/27

All: 1397.366+/-0.175 χ^2/NDF: 1866173.3/56

- sign 1389.762+/-0.249 χ^2/NDF: 753760.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/11

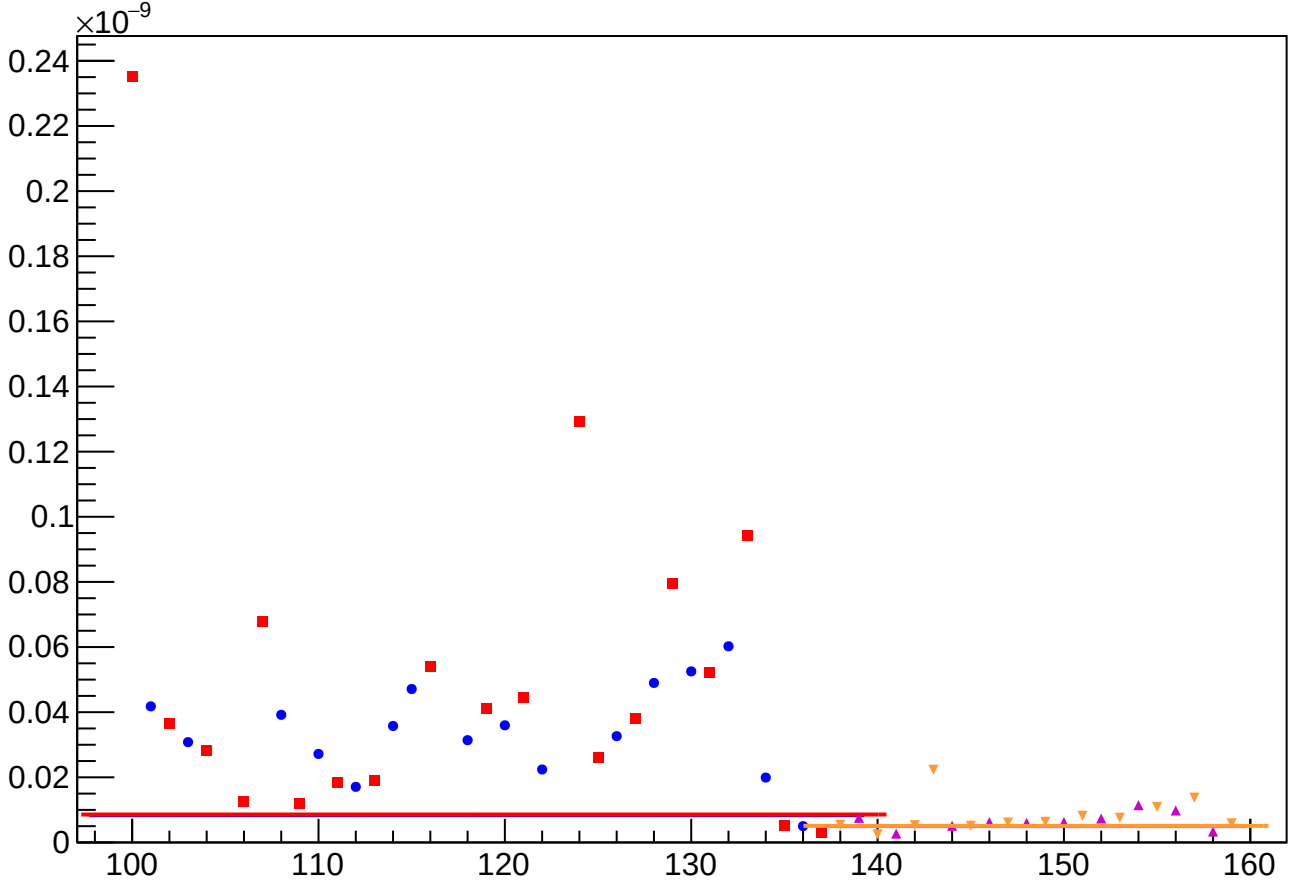
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 24.8/27

All: 0.000+/-0.000 χ^2/NDF: 59.4/56

- sign 0.000+/-0.000 χ^2/NDF: 33.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1534636.1/11

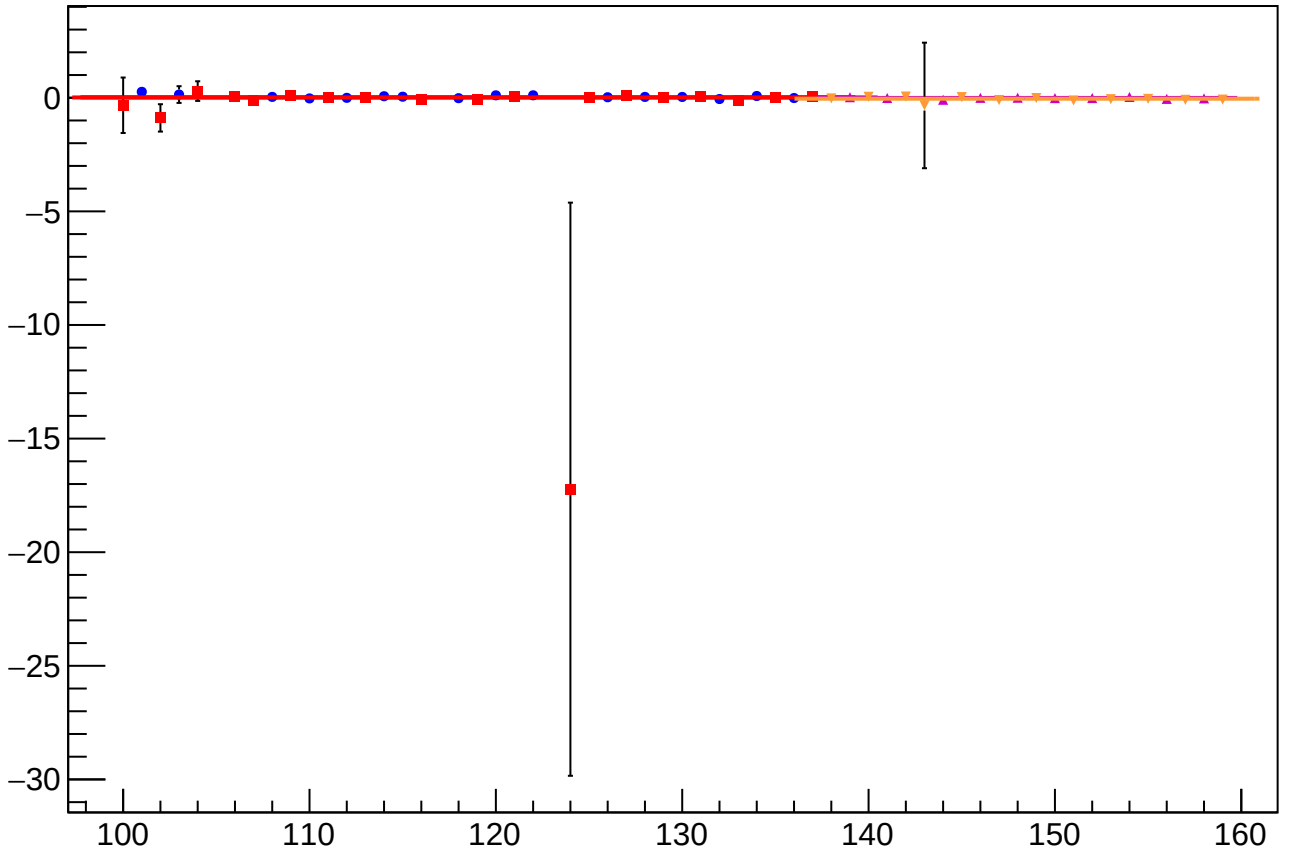
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1070875.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4936313.2/27

All: 0.000+/-0.000 χ^2/NDF: 9703667.1/56

- sign 0.000+/-0.000 χ^2/NDF: 4766618.6/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.041+/-0.013 χ^2/NDF:17.3/11

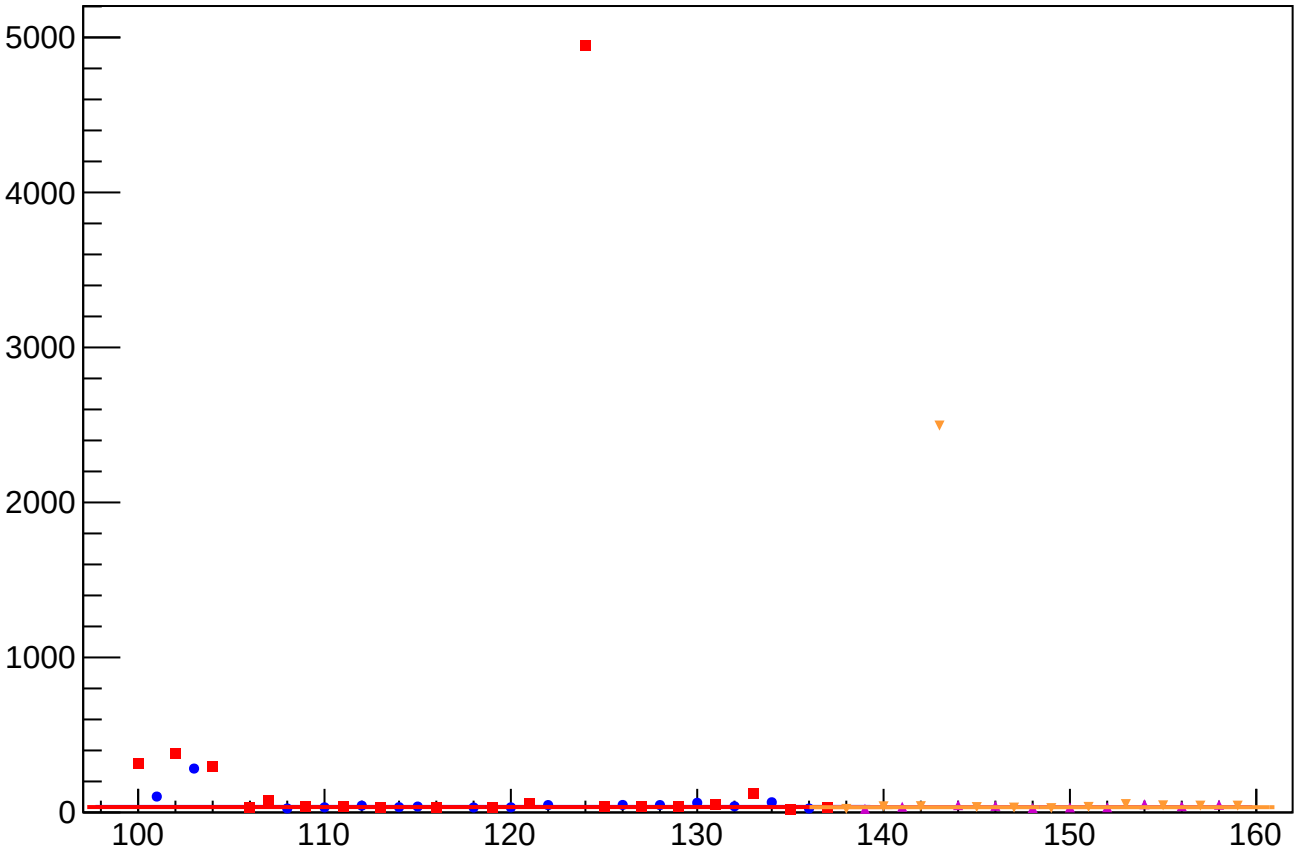
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.009+/-0.007 χ^2/NDF: 61.3/56

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526288.4/11

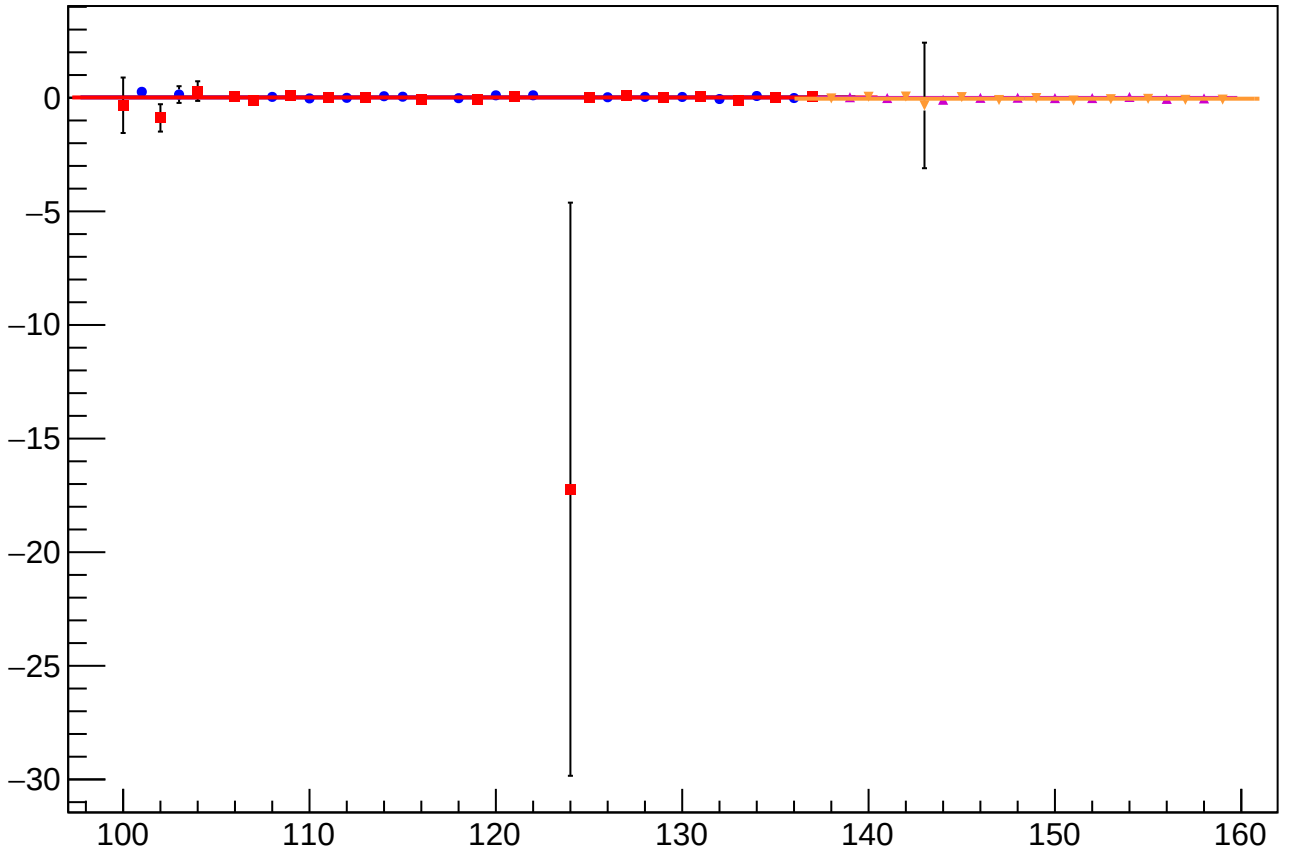
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

+ sign 34.657+/-0.007 χ^2/NDF: 4807506.1/27

All: 34.834+/-0.005 χ^2/NDF: 8633731.7/56

- sign 35.020+/-0.007 χ^2/NDF: 3824886.2/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.041+/-0.013 χ^2/NDF:17.3/11

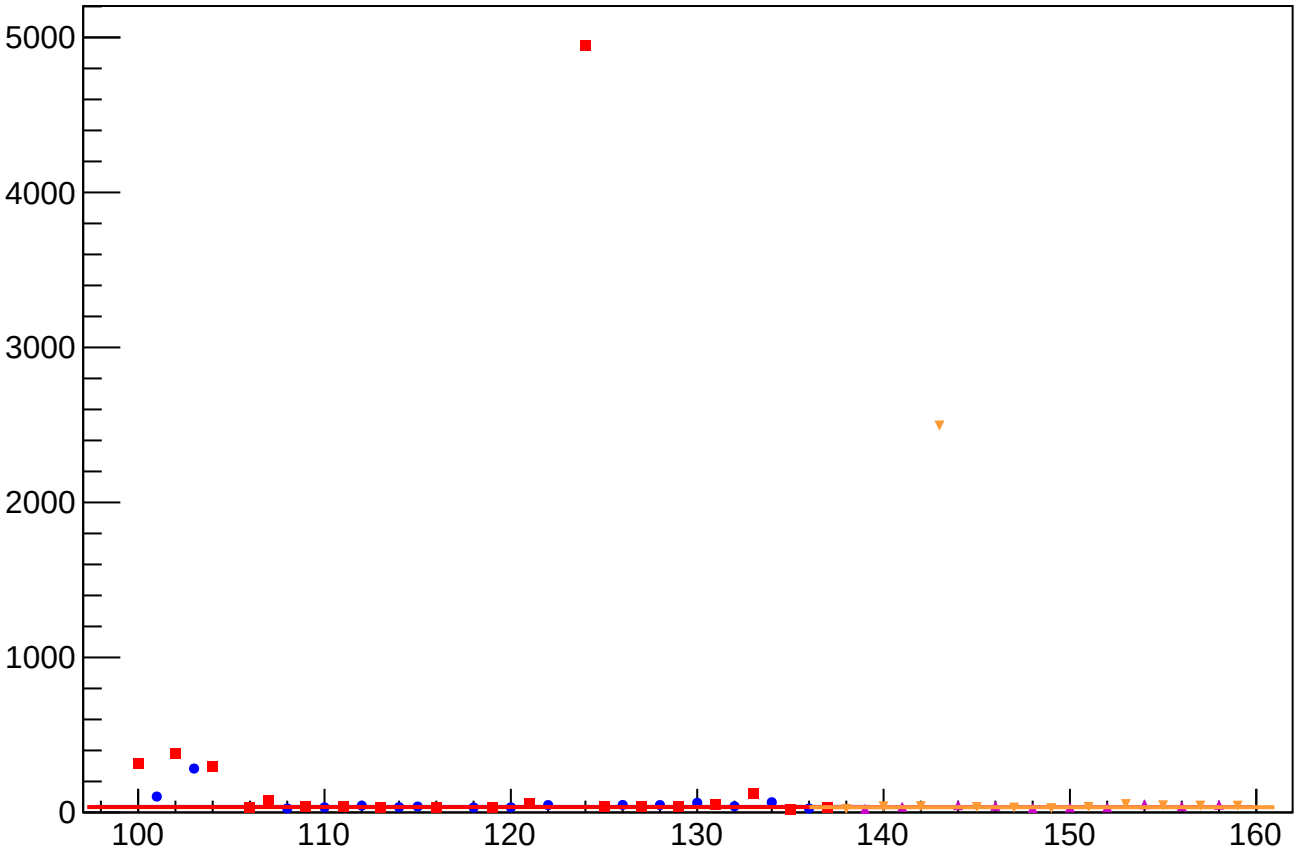
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.009+/-0.007 χ^2/NDF: 61.3/56

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526288.4/11

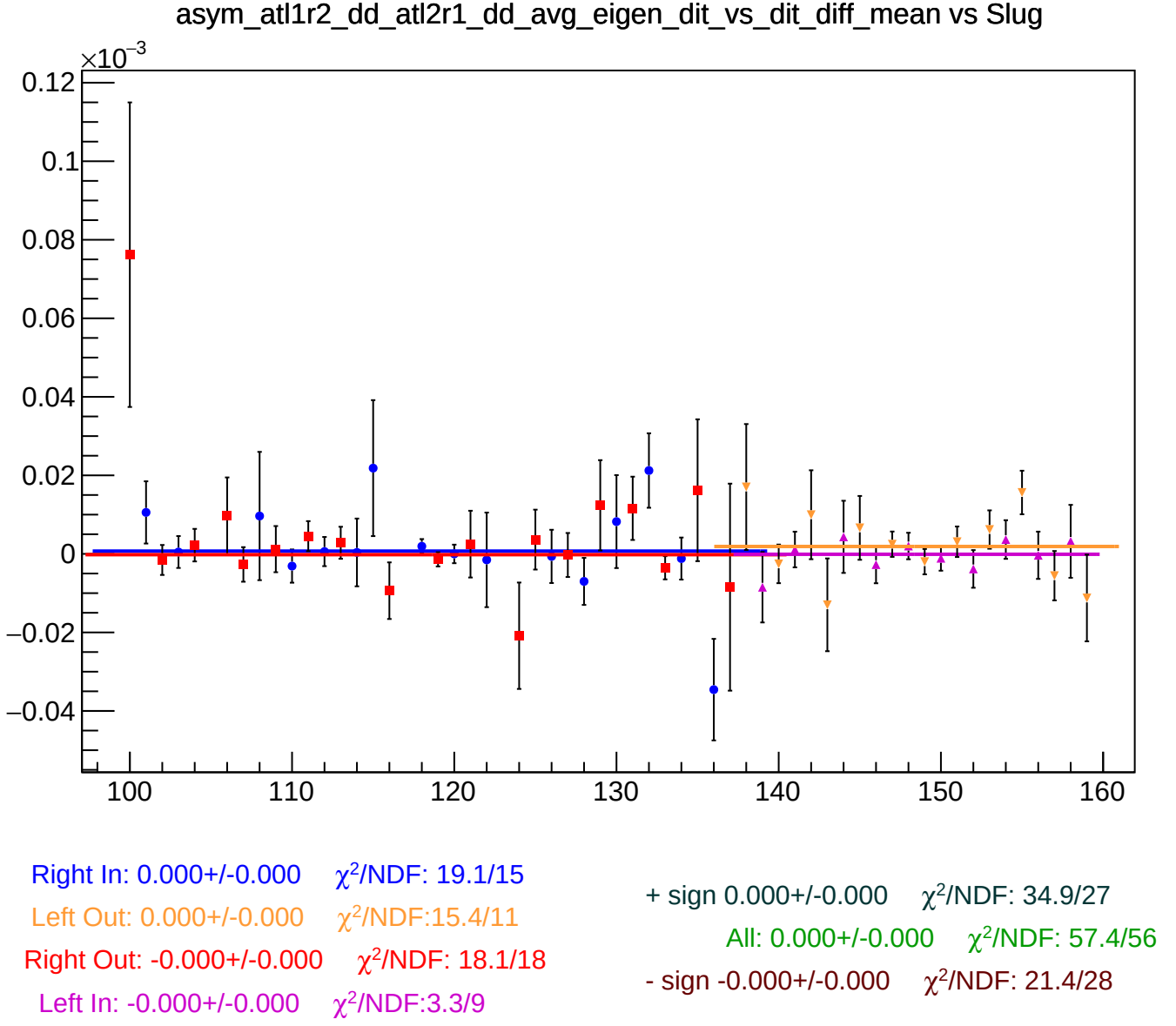
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

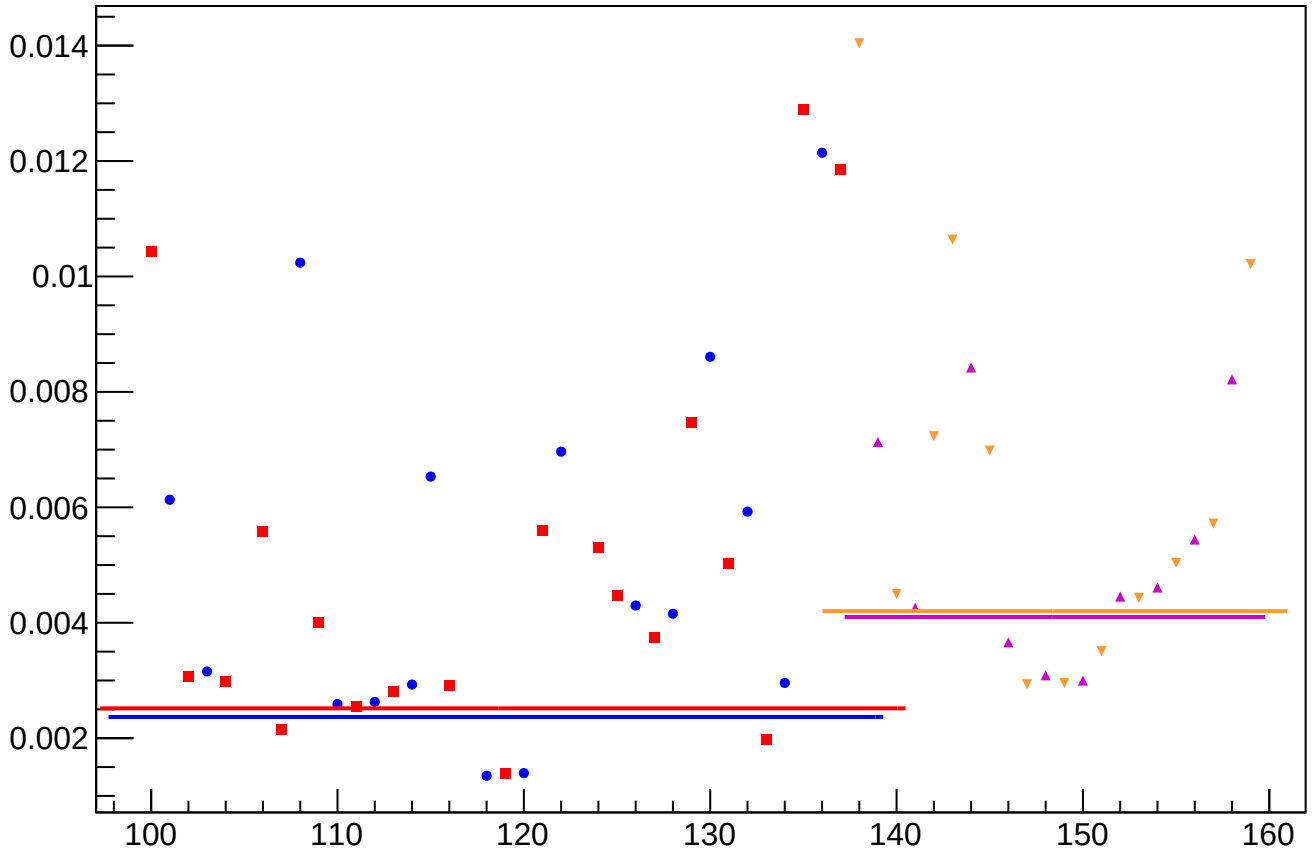
Left In: 35.178+/-0.009 χ^2/NDF:910049.8/9

\+ sign 34.657+/-0.007 χ^2/NDF: 4807506.1/27

All: 34.834+/-0.005 χ^2/NDF: 8633731.7/56

\- sign 35.020+/-0.007 χ^2/NDF: 3824886.2/28


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:3.3/9
+ sign 0.000+/-0.000 χ²/NDF: 34.9/27
All: 0.000+/-0.000 χ²/NDF: 57.4/56
- sign -0.000+/-0.000 χ²/NDF: 21.4/28



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3160270.0/11

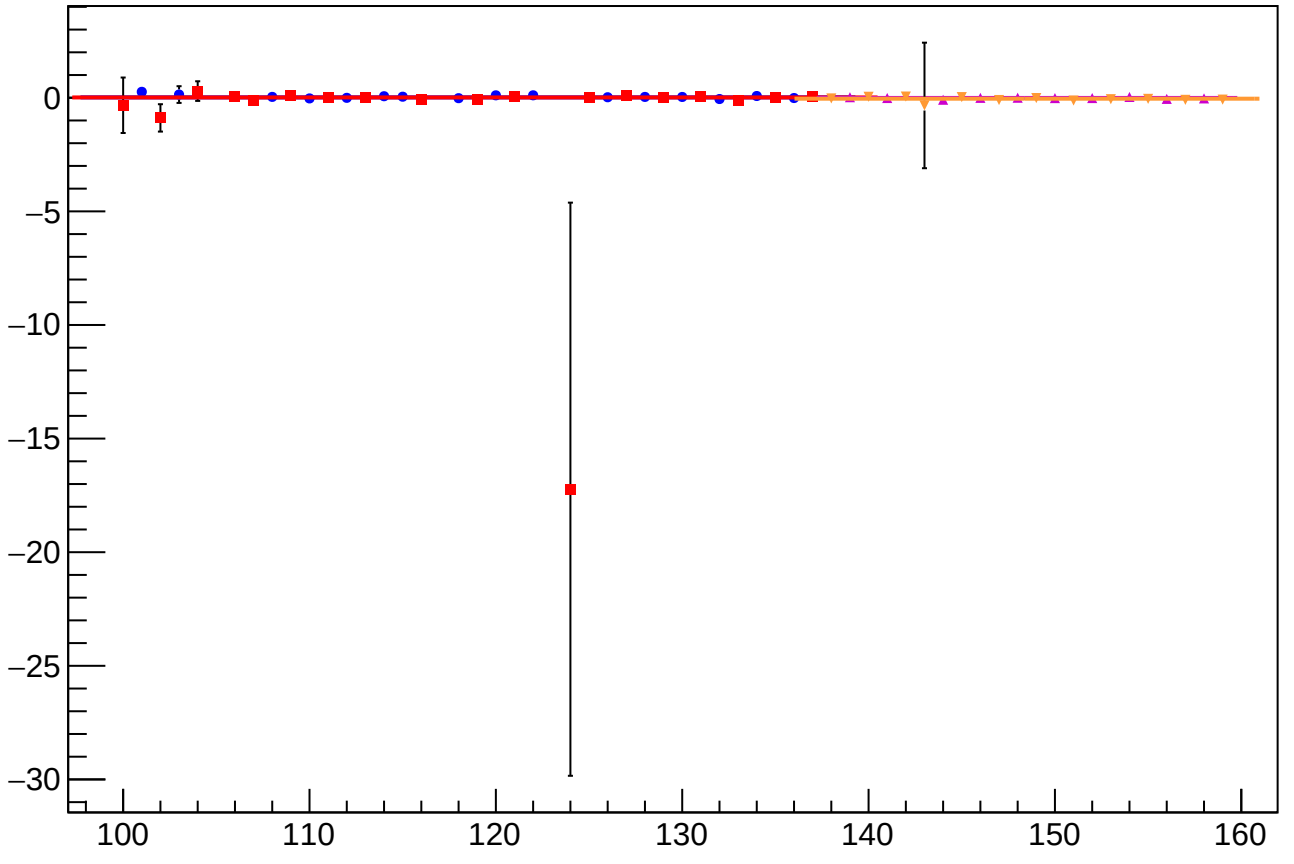
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1636698.2/9

\+ sign 0.003+/-0.000 χ^2/NDF: 9807670.0/27

All: 0.003+/-0.000 χ^2/NDF: 16288226.9/56

\- sign 0.003+/-0.000 χ^2/NDF: 6479847.9/28



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.041+/-0.013 χ^2/NDF:17.3/11

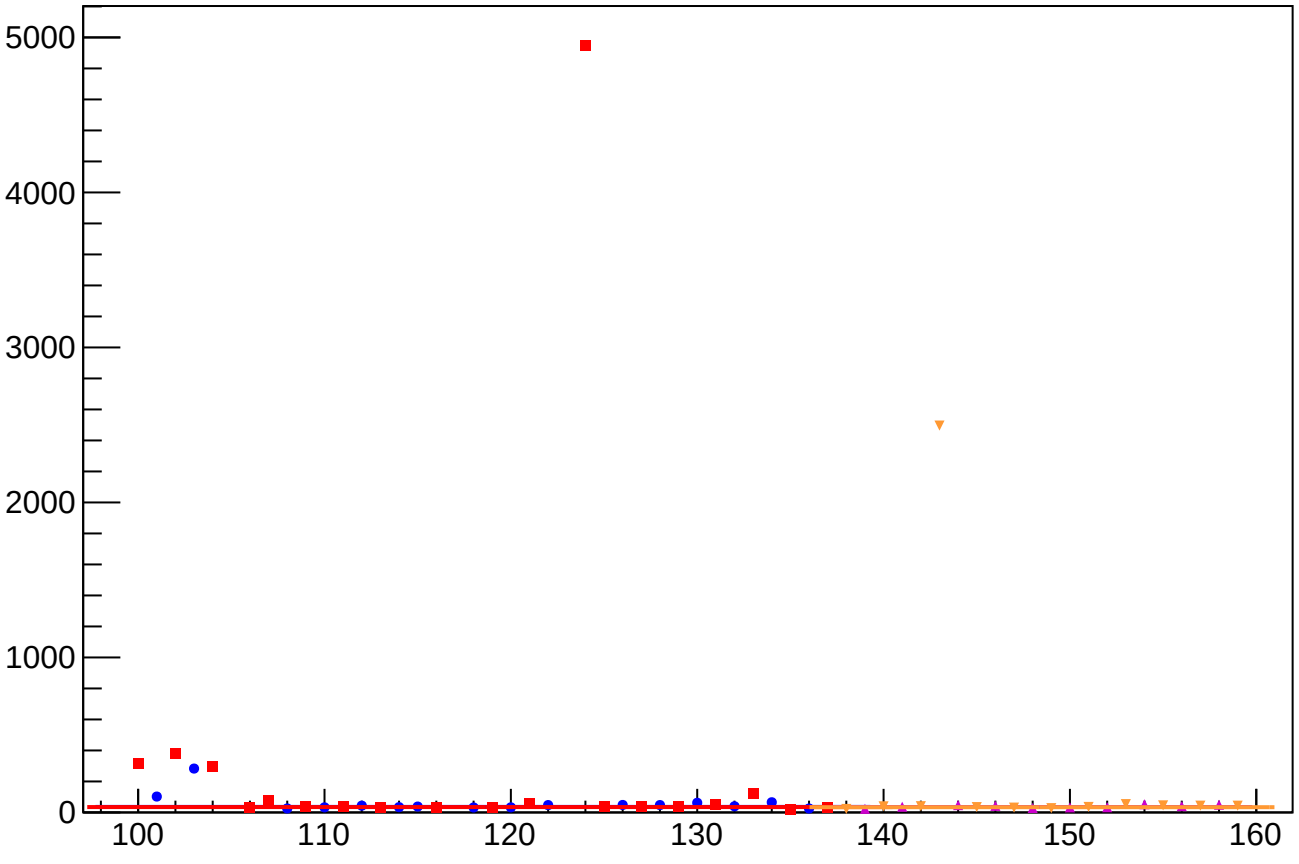
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.009+/-0.007 χ^2/NDF: 61.3/56

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526621.8/11

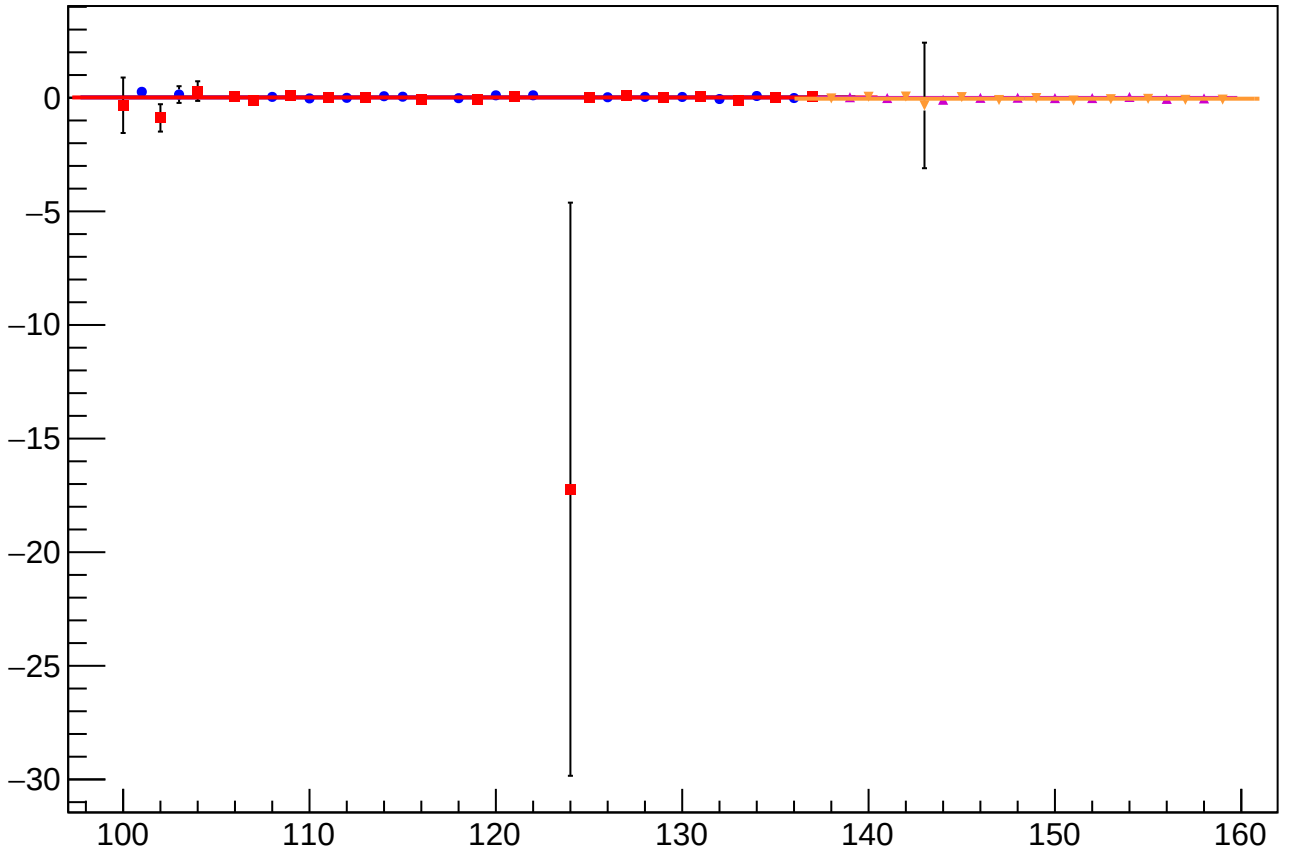
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

+ sign 34.658+/-0.007 χ^2/NDF: 4807588.2/27

All: 34.834+/-0.005 χ^2/NDF: 8634161.8/56

- sign 35.020+/-0.007 χ^2/NDF: 3825243.1/28



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

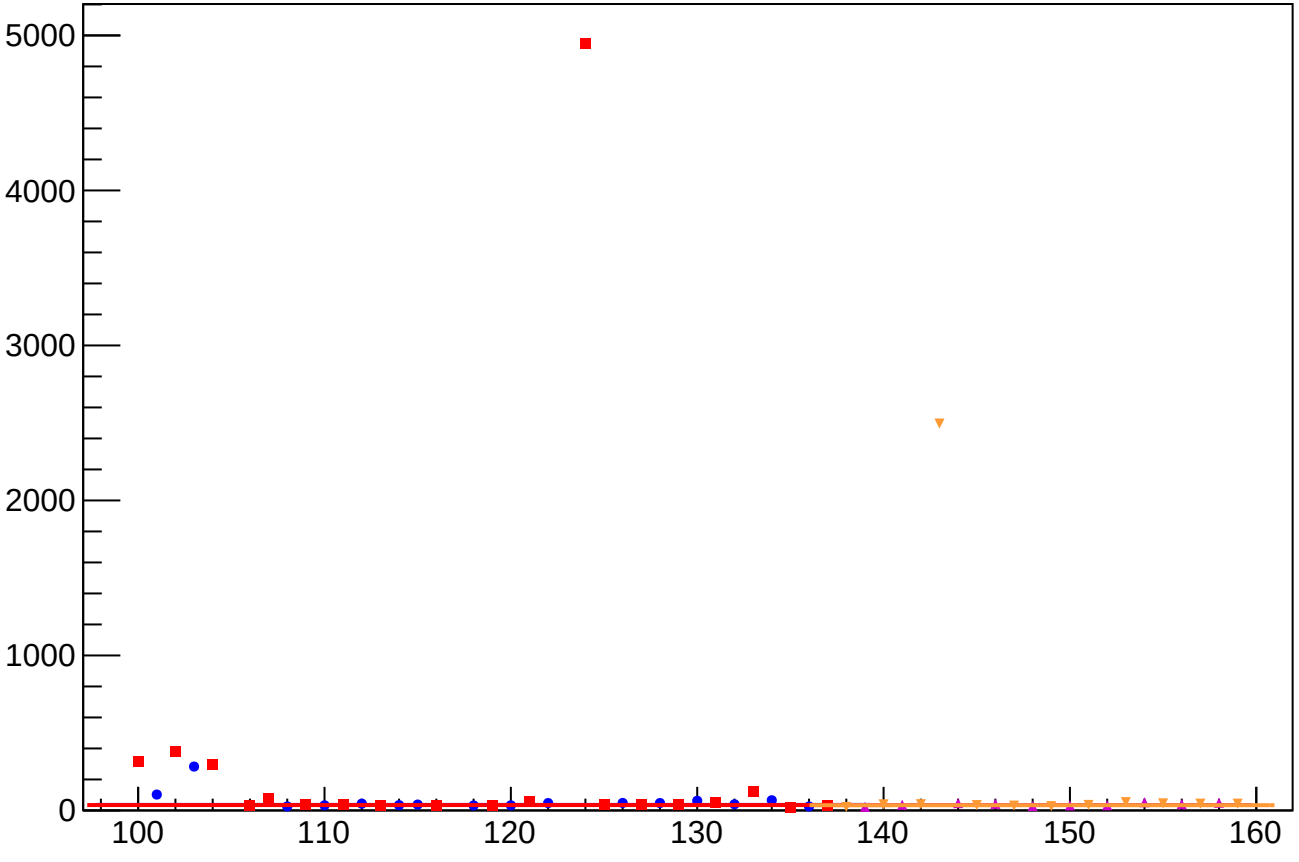
Left In: -0.008+/-0.013 χ^2/NDF:5.0/9

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.009+/-0.007 χ^2/NDF: 61.3/56

- sign 0.001+/-0.010 χ^2/NDF: 22.2/28

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

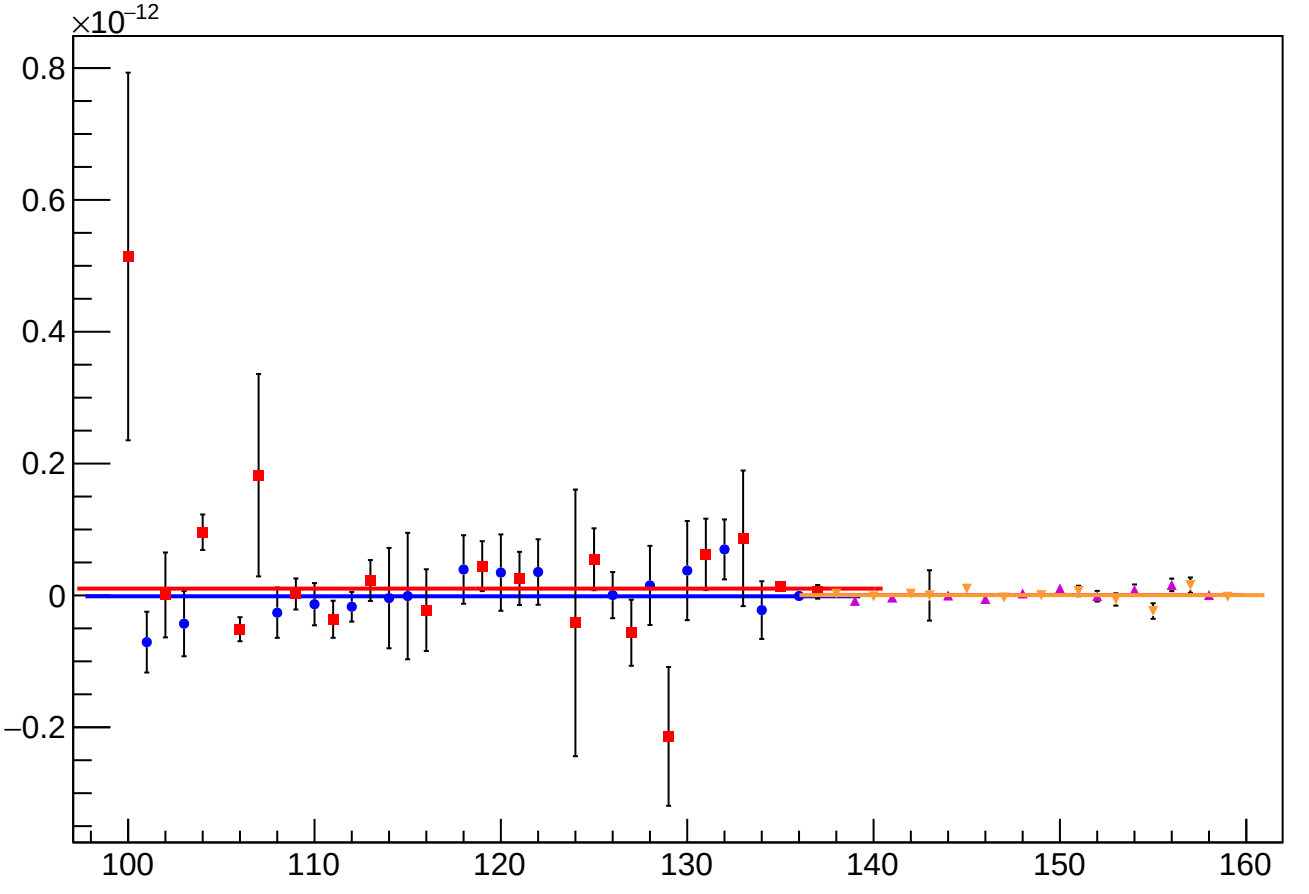
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.176+/-0.009 χ^2/NDF:910590.7/9

+ sign 34.658+/-0.007 χ^2/NDF: 4807588.2/27

All: 34.834+/-0.005 χ^2/NDF: 8634161.8/56

- sign 35.020+/-0.007 χ^2/NDF: 3825243.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/11

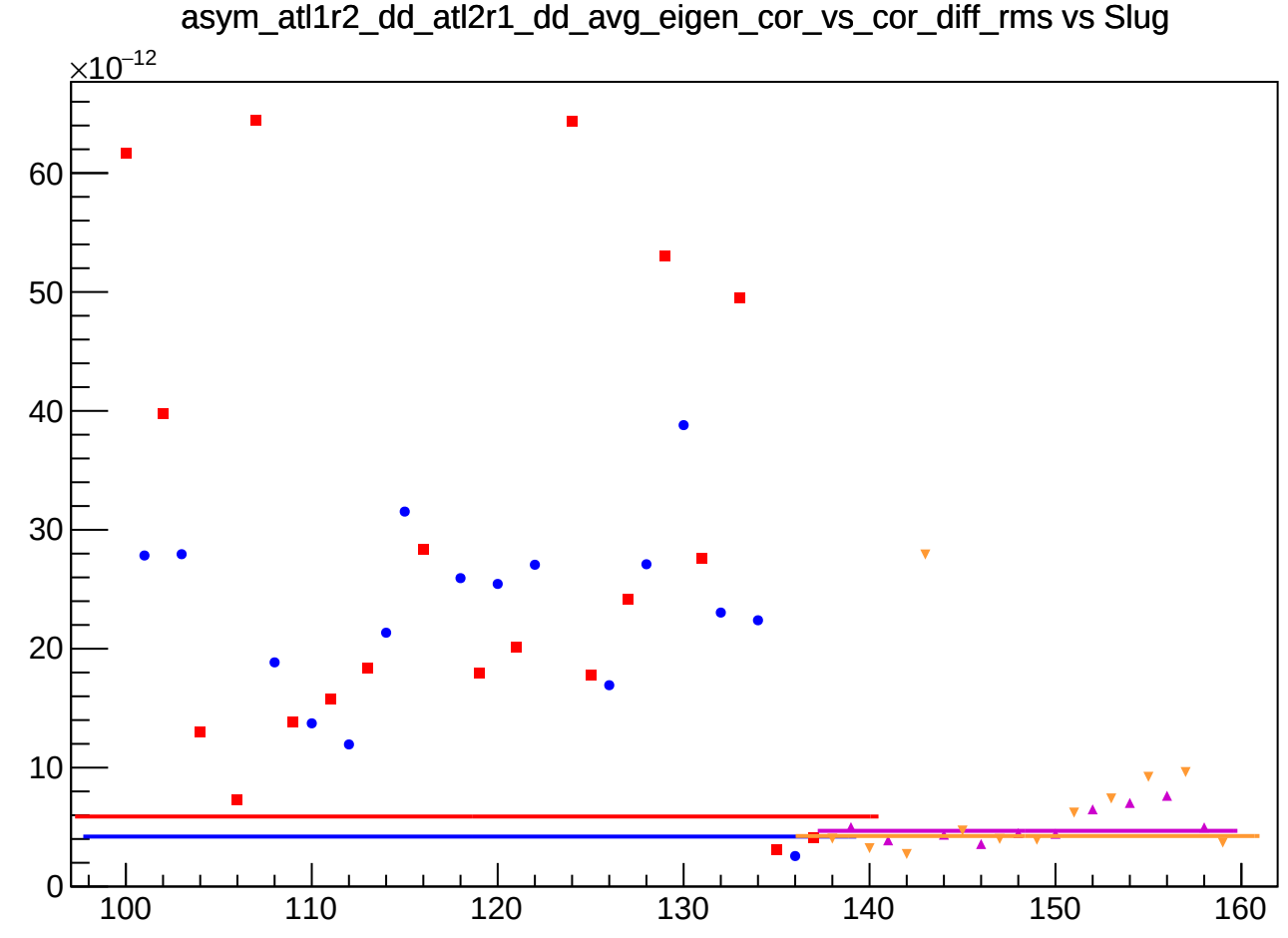
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 19.4/27

All: 0.000+/-0.000 χ^2/NDF: 75.6/56

- sign 0.000+/-0.000 χ^2/NDF: 55.3/28



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

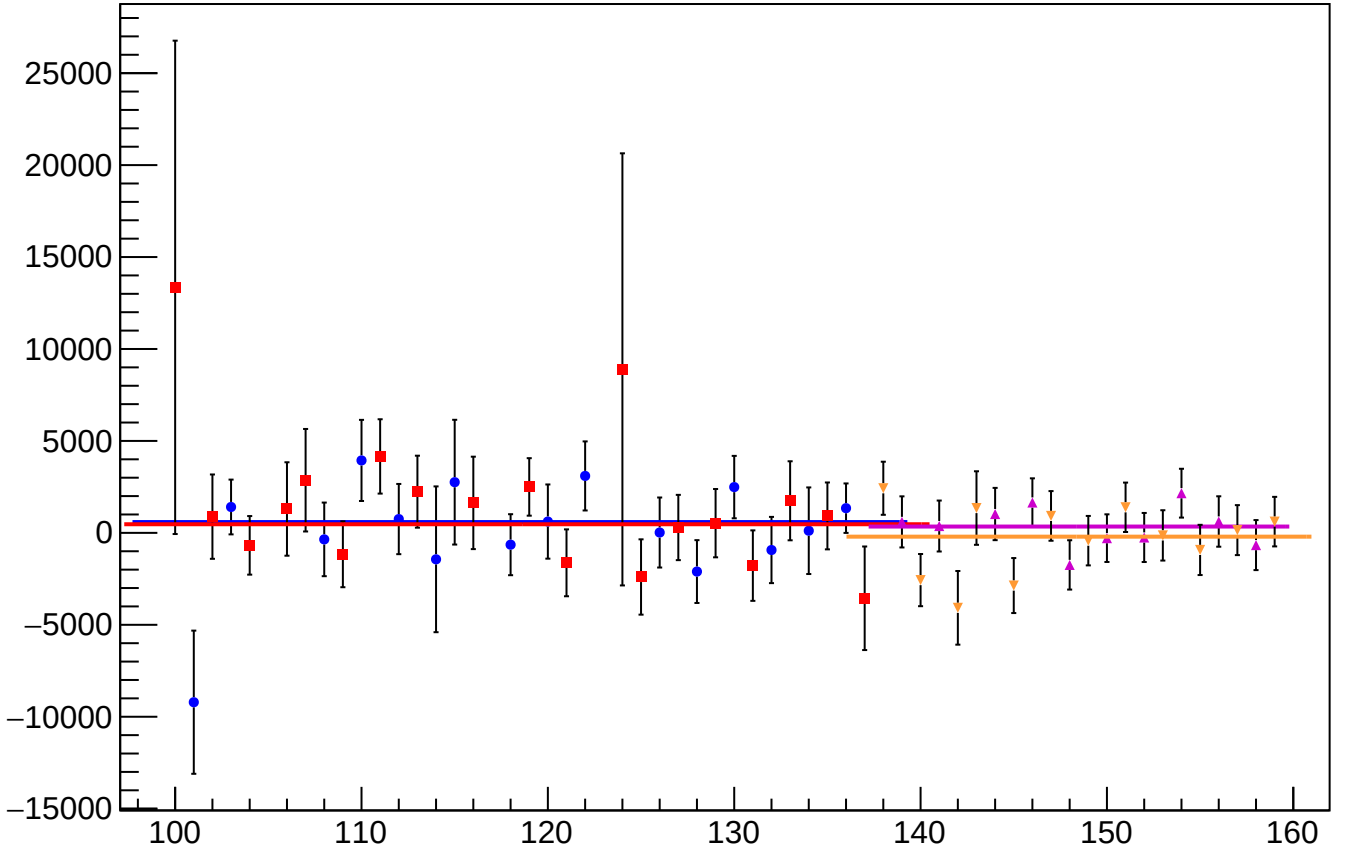
Left In: 0.000+/-0.000 χ^2/NDF:634805.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 7330131.5/27

All: 0.000+/-0.000 χ^2/NDF: 13117202.2/56

- sign 0.000+/-0.000 χ^2/NDF: 5632521.1/28

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

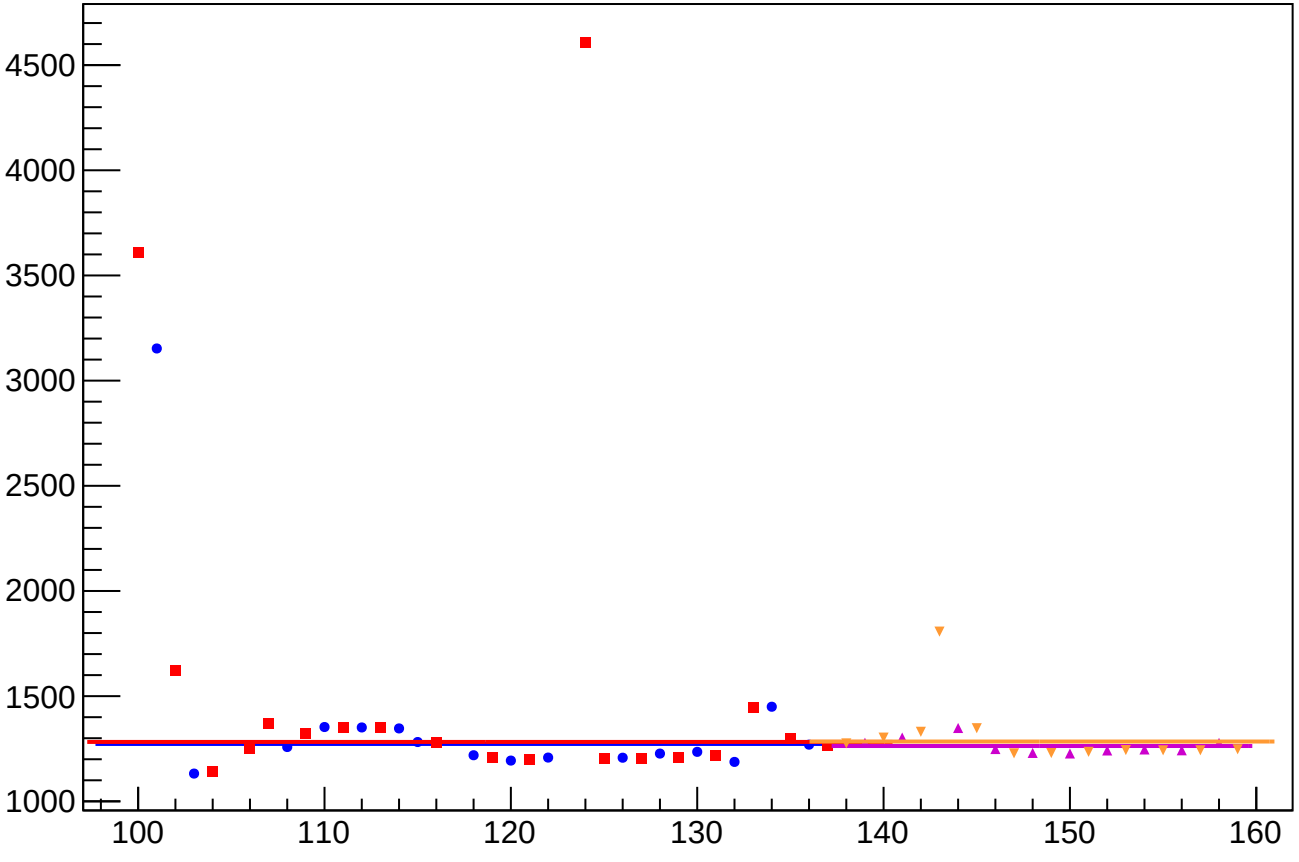
Left In: 343.703+/-427.742 χ^2/NDF:6.6/9

+ sign 133.290+/-315.629 χ^2/NDF: 35.1/27

All: 264.578+/-224.538 χ^2/NDF: 58.9/56

- sign 399.101+/-319.495 χ^2/NDF: 23.5/28

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

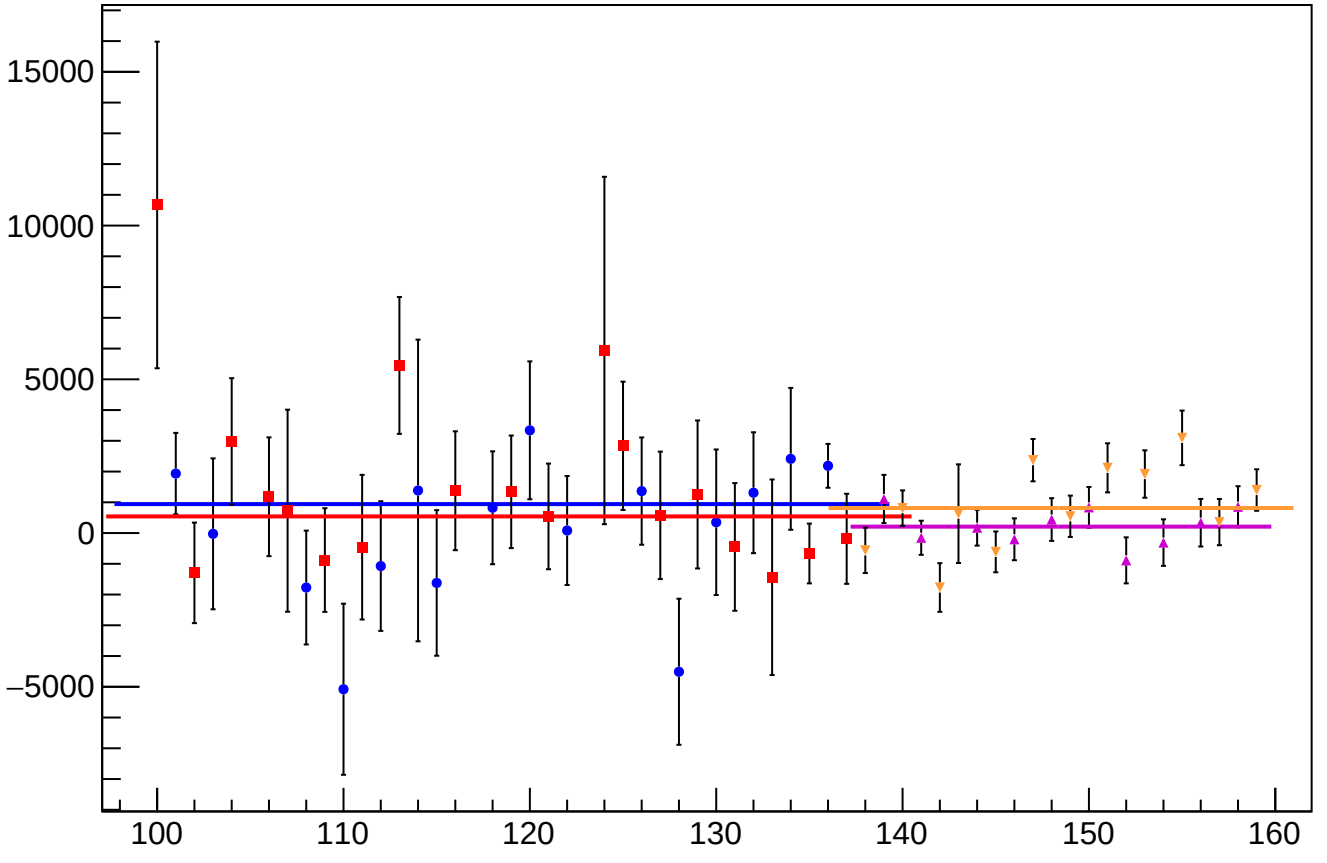
Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1279.384+/-0.223 χ^2/NDF: 677992.0/27

All: 1275.510+/-0.159 χ^2/NDF: 1016117.0/56

- sign 1271.541+/-0.226 χ^2/NDF: 337515.1/28

asym_at1_dd_at2_dd_avg_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

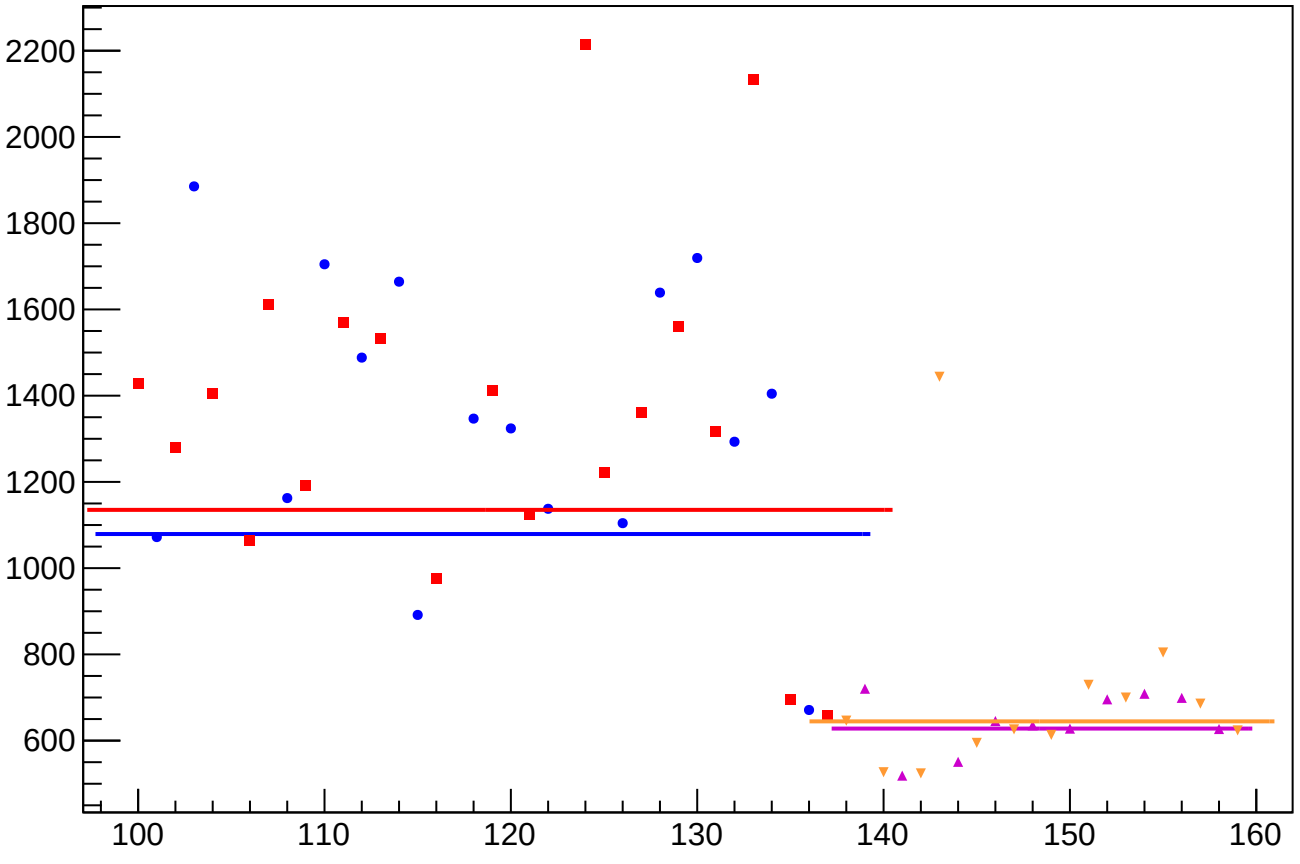
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 208.554+/-214.349 χ^2/NDF:6.7/9

+ sign 839.772+/-190.945 χ^2/NDF: 56.5/27

All: 558.602+/-135.632 χ^2/NDF: 85.2/56

- sign 272.268+/-192.691 χ^2/NDF: 24.3/28



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

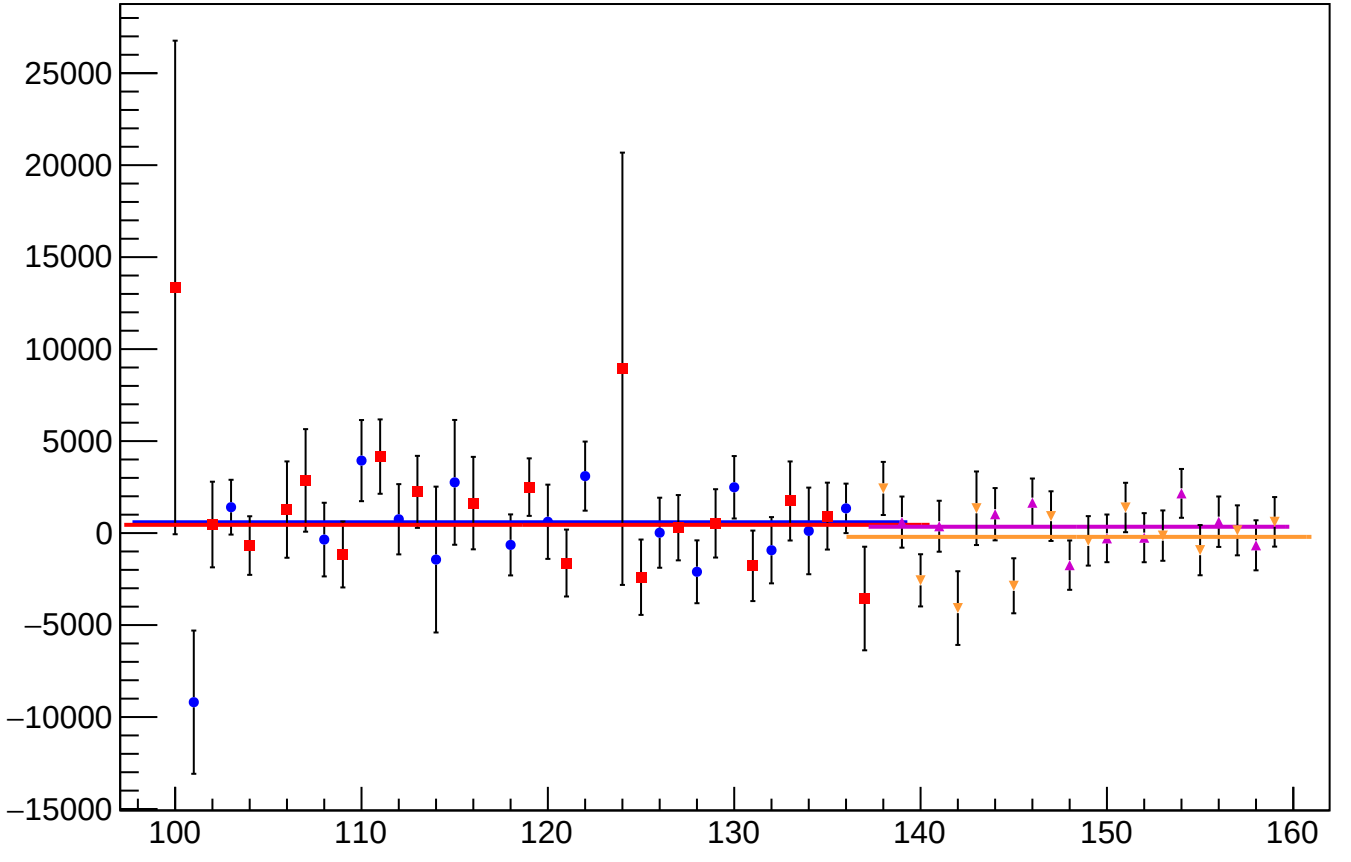
Left In: 627.946+/-0.152 χ^2/NDF:198007.2/9

+ sign 732.006+/-0.135 χ^2/NDF: 3895182.3/27

All: 728.666+/-0.096 χ^2/NDF: 7536215.8/56

- sign 725.265+/-0.136 χ^2/NDF: 3639798.4/28

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

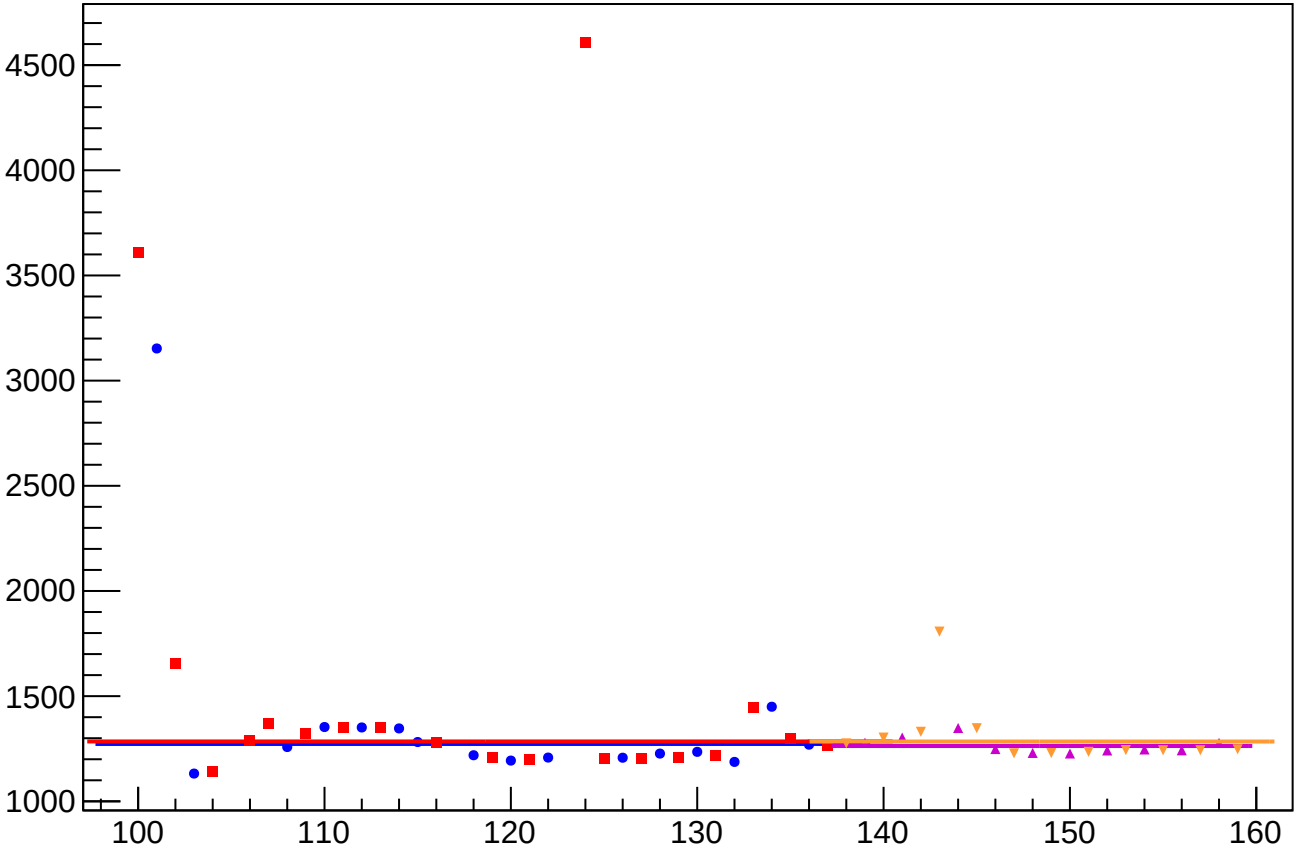
Left In: 343.688+/-427.742 χ^2/NDF:6.6/9

+ sign 133.351+/-315.629 χ^2/NDF: 35.1/27

All: 259.967+/-224.621 χ^2/NDF: 58.8/56

- sign 389.898+/-319.735 χ^2/NDF: 23.4/28

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

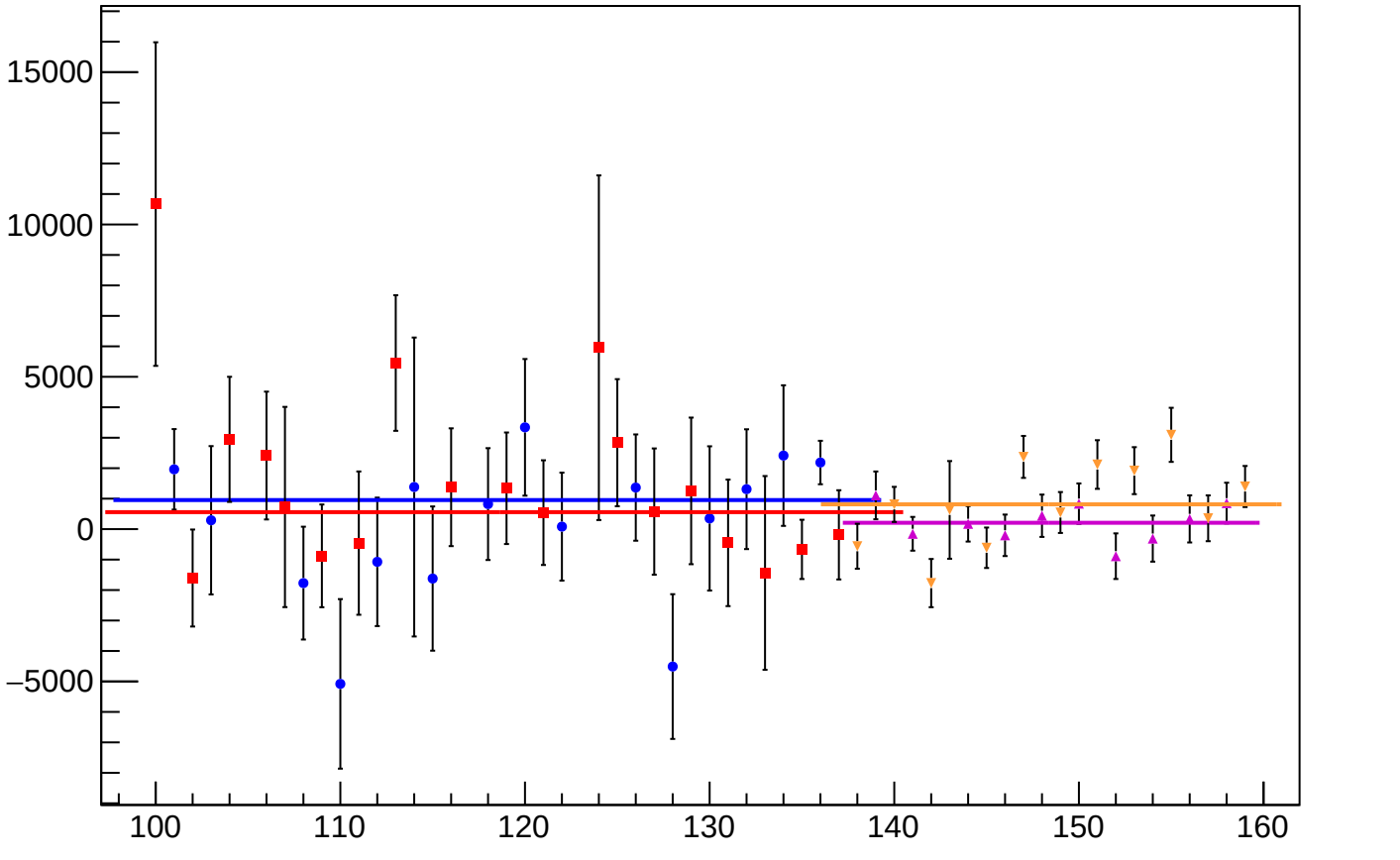
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1279.384+/-0.223 χ^2/NDF: 677993.5/27

All: 1276.004+/-0.159 χ^2/NDF: 1023079.9/56

- sign 1272.535+/-0.226 χ^2/NDF: 344621.7/28



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 814.035+/-213.627 χ^2/NDF:36.5/11

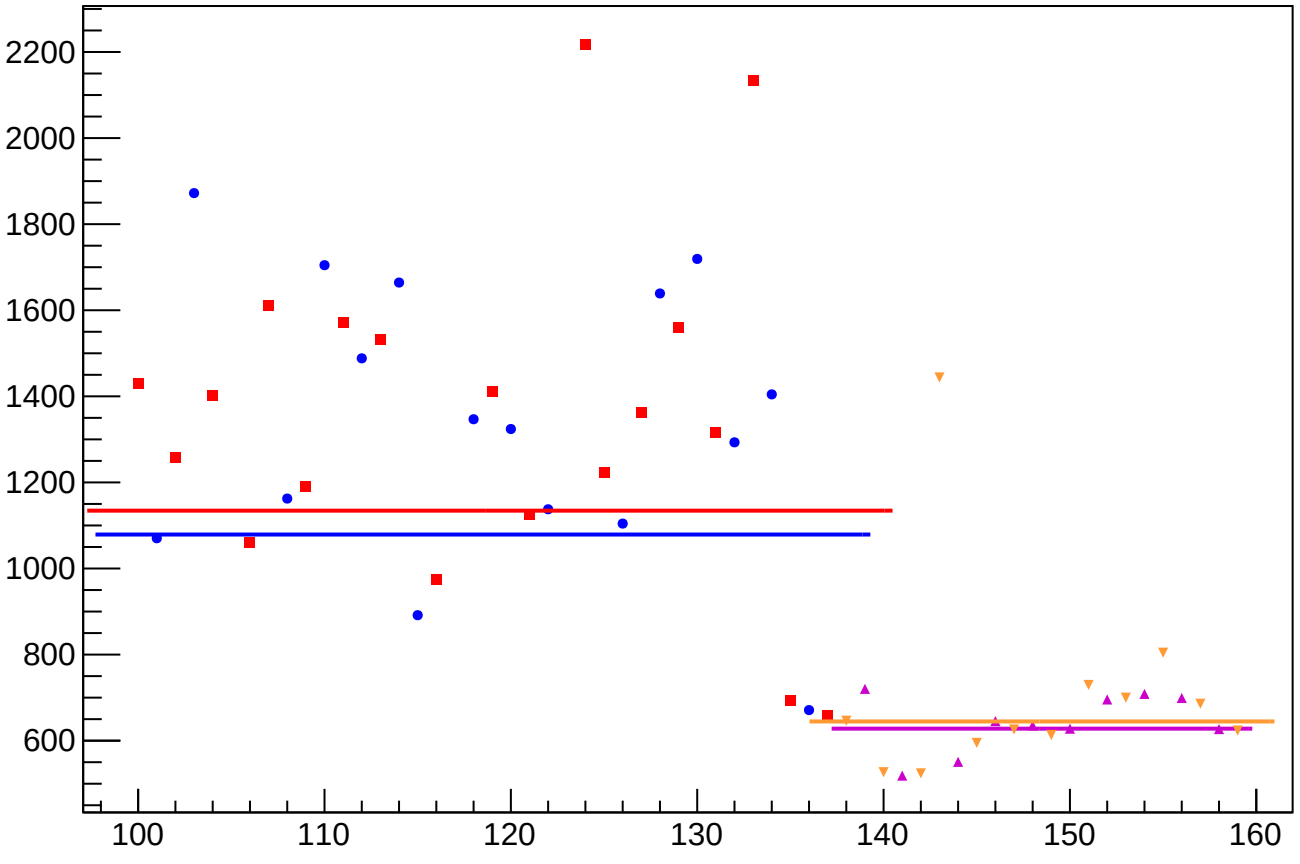
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 208.524+/-214.348 χ^2/NDF:6.7/9

\+ sign 842.225+/-190.931 χ^2/NDF: 56.4/27

All: 561.495+/-135.651 χ^2/NDF: 86.4/56

\- sign 275.355+/-192.762 χ^2/NDF: 25.6/28



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

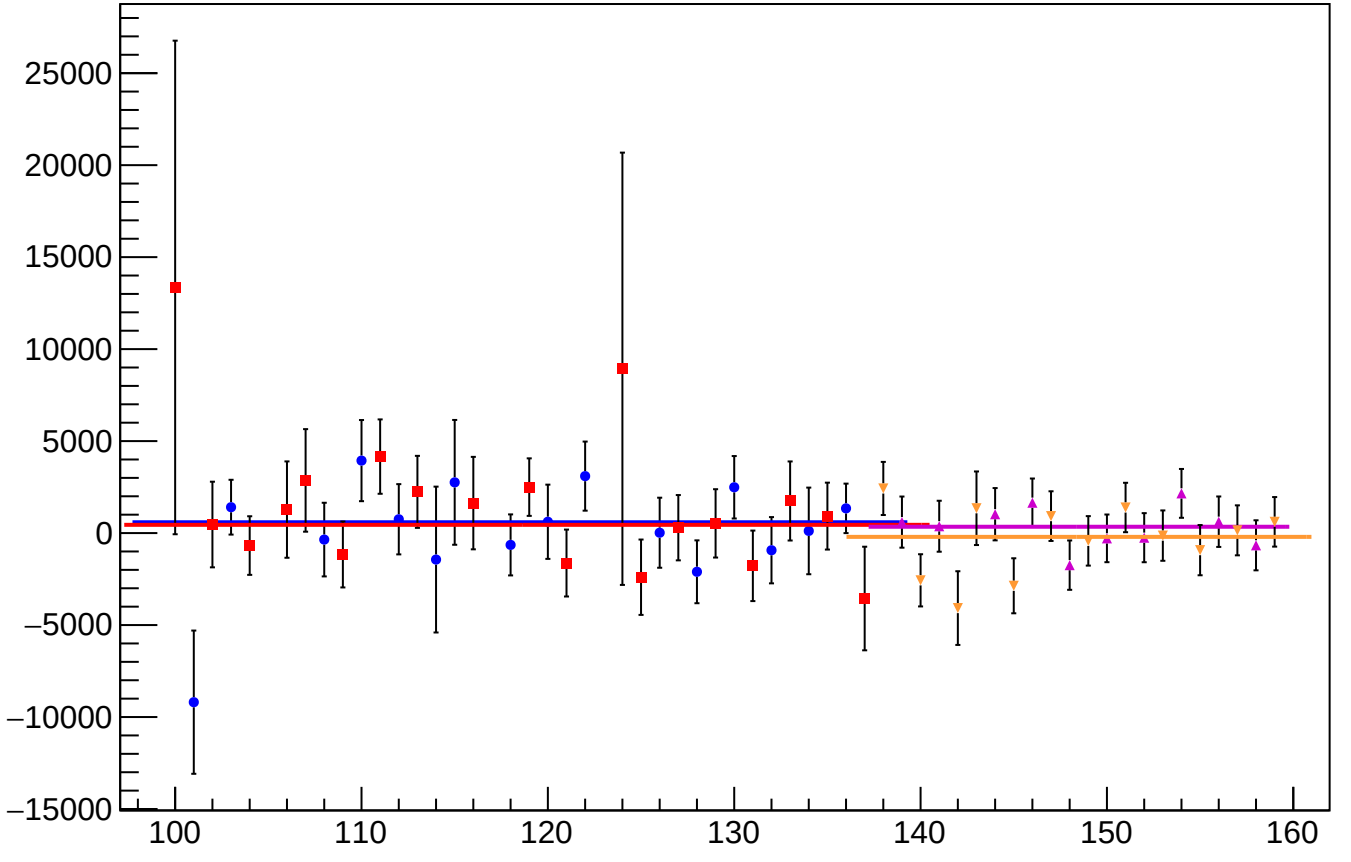
Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

\+ sign 732.032+/-0.135 χ^2/NDF: 3891184.7/27

All: 728.459+/-0.096 χ^2/NDF: 7515366.1/56

\- sign 724.817+/-0.136 χ^2/NDF: 3622766.9/28

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

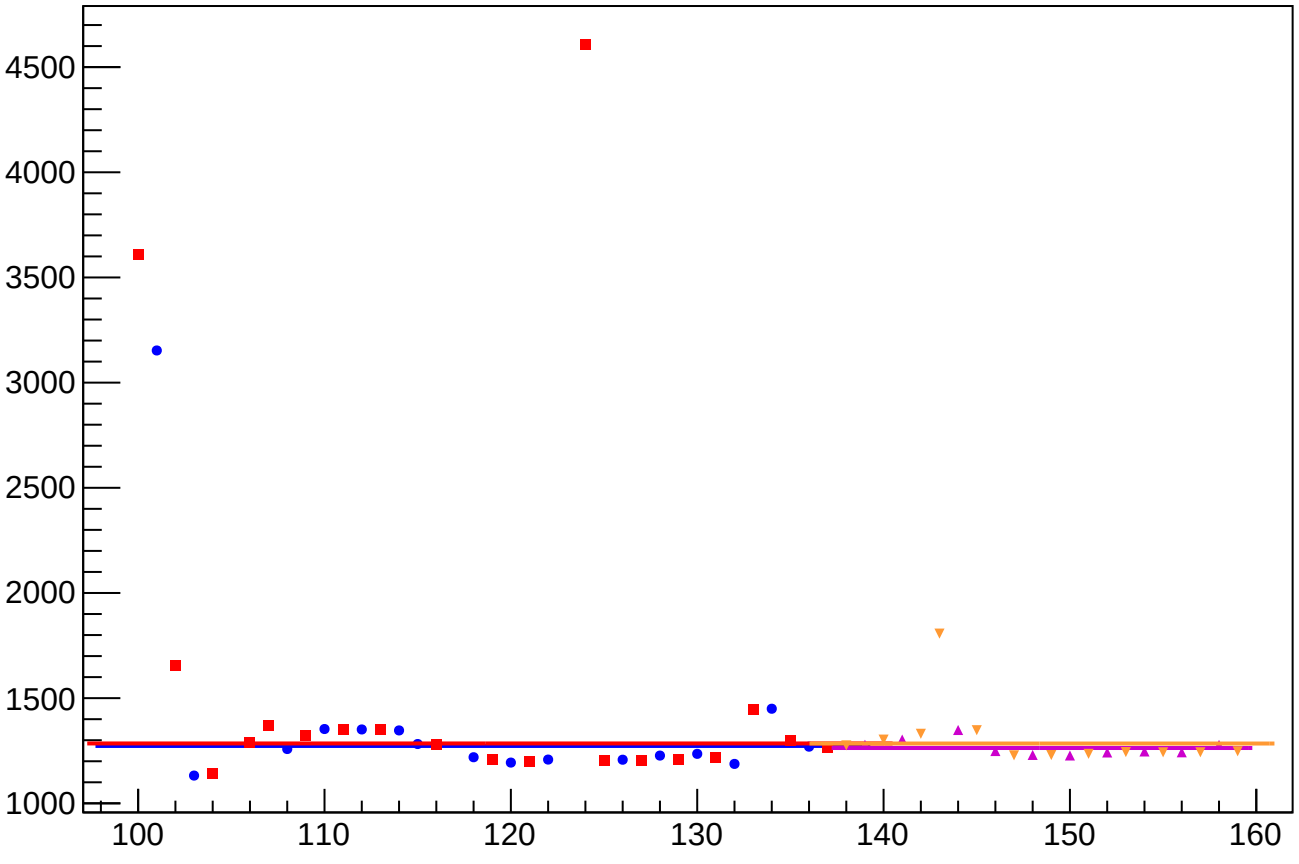
Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 343.688+/-427.742 χ^2/NDF:6.6/9

+ sign 133.351+/-315.629 χ^2/NDF: 35.1/27

All: 259.967+/-224.621 χ^2/NDF: 58.8/56

- sign 389.898+/-319.735 χ^2/NDF: 23.4/28



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1284.308+/-0.295 χ^2/NDF:158043.4/11

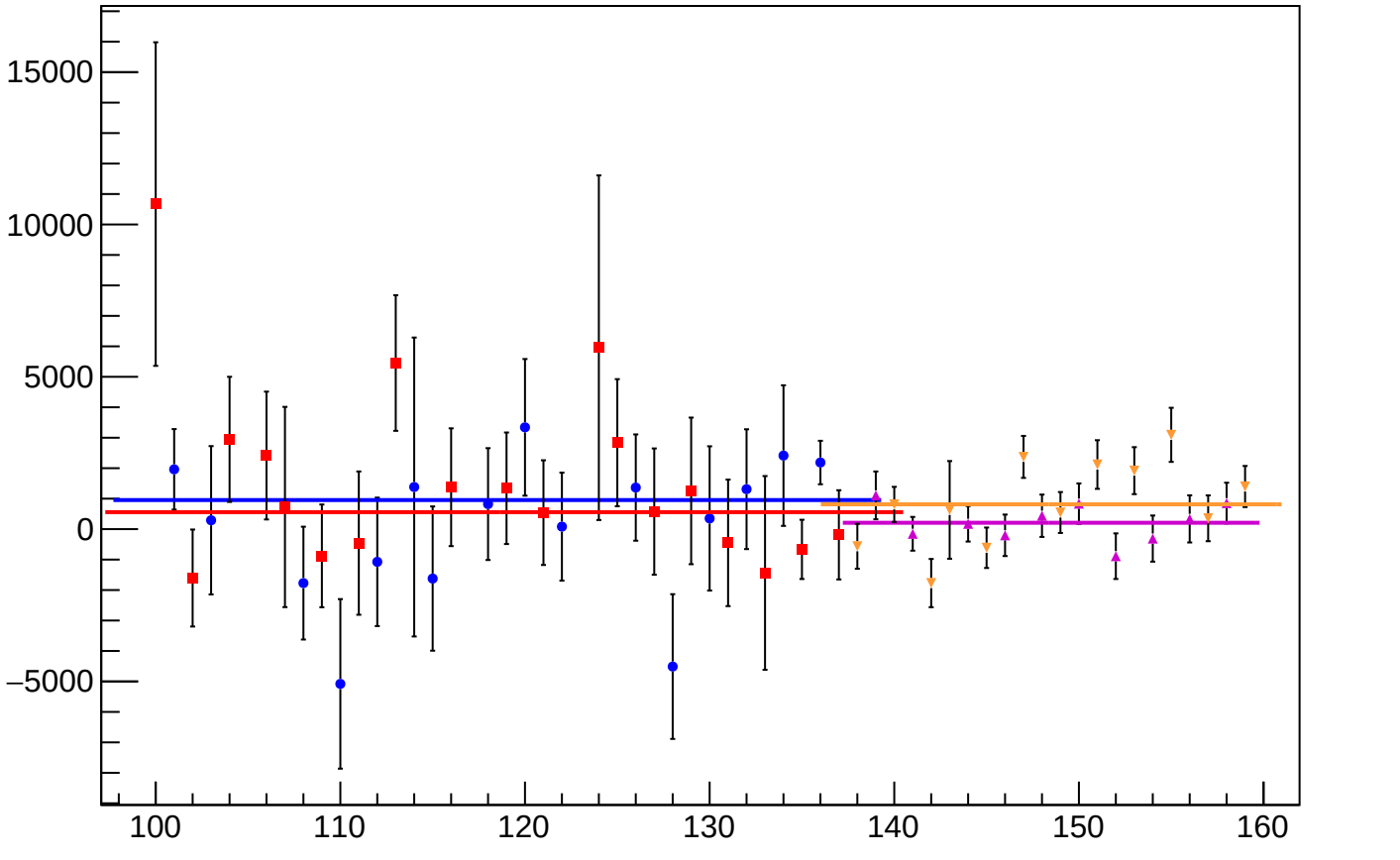
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1262.964+/-0.302 χ^2/NDF:13617.6/9

+ sign 1279.384+/-0.223 χ^2/NDF: 677993.5/27

All: 1276.004+/-0.159 χ^2/NDF: 1023079.9/56

- sign 1272.535+/-0.226 χ^2/NDF: 344621.7/28



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 814.035+/-213.627 χ^2/NDF:36.5/11

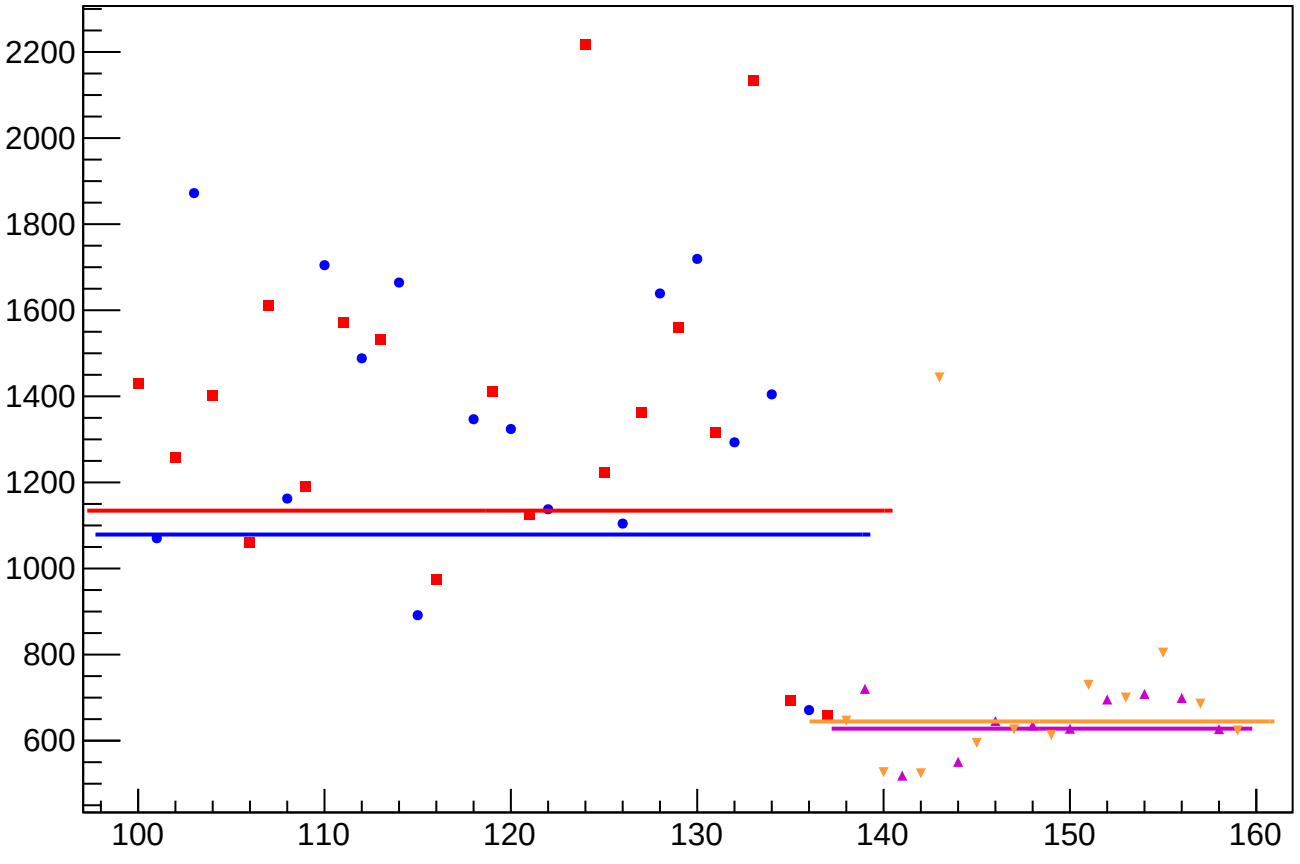
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 208.524+/-214.348 χ^2/NDF:6.7/9

\+ sign 842.225+/-190.931 χ^2/NDF: 56.4/27

All: 561.495+/-135.651 χ^2/NDF: 86.4/56

\- sign 275.355+/-192.762 χ^2/NDF: 25.6/28



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

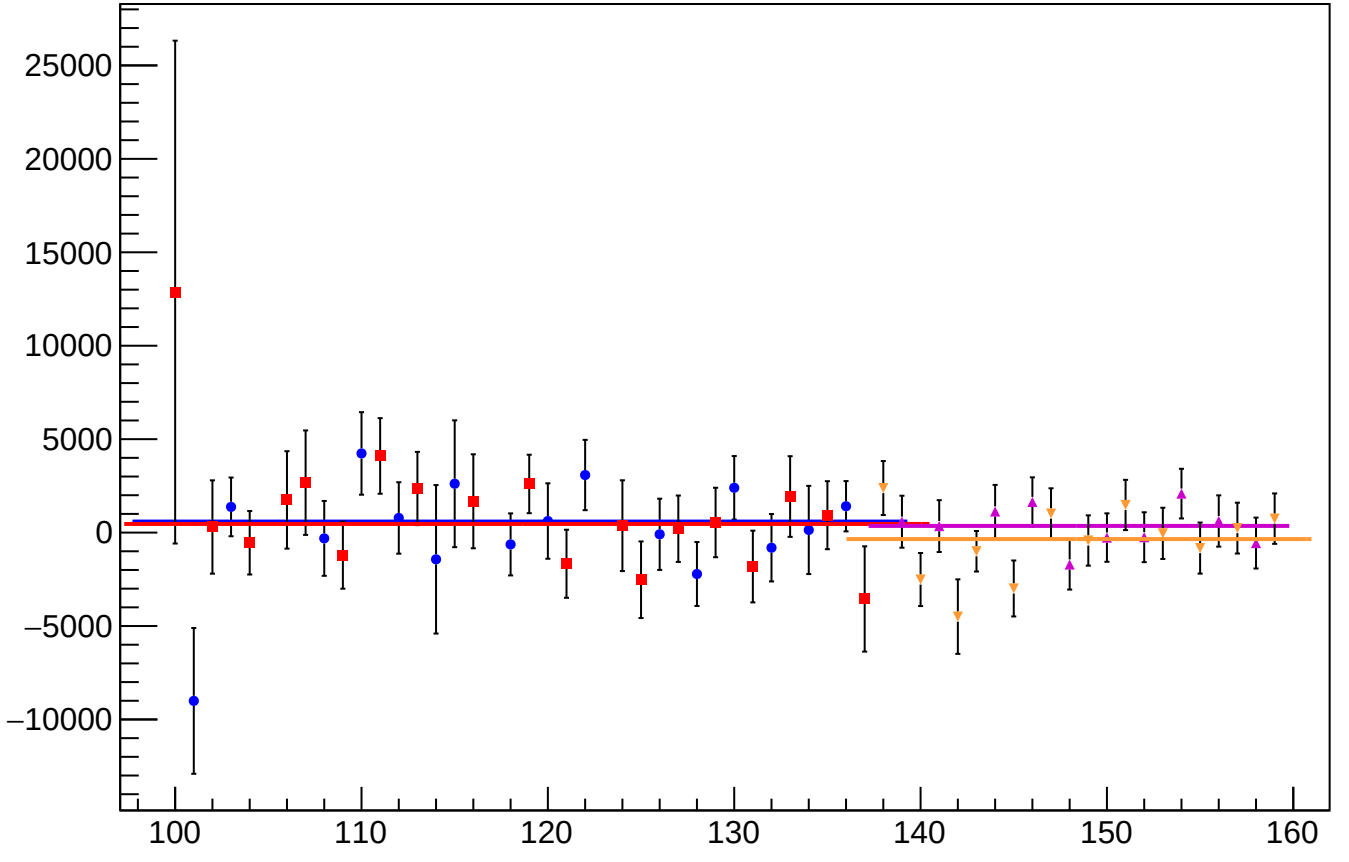
Left In: 627.943+/-0.152 χ^2/NDF:198032.1/9

\+ sign 732.032+/-0.135 χ^2/NDF: 3891184.7/27

All: 728.459+/-0.096 χ^2/NDF: 7515366.1/56

\- sign 724.817+/-0.136 χ^2/NDF: 3622766.9/28

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

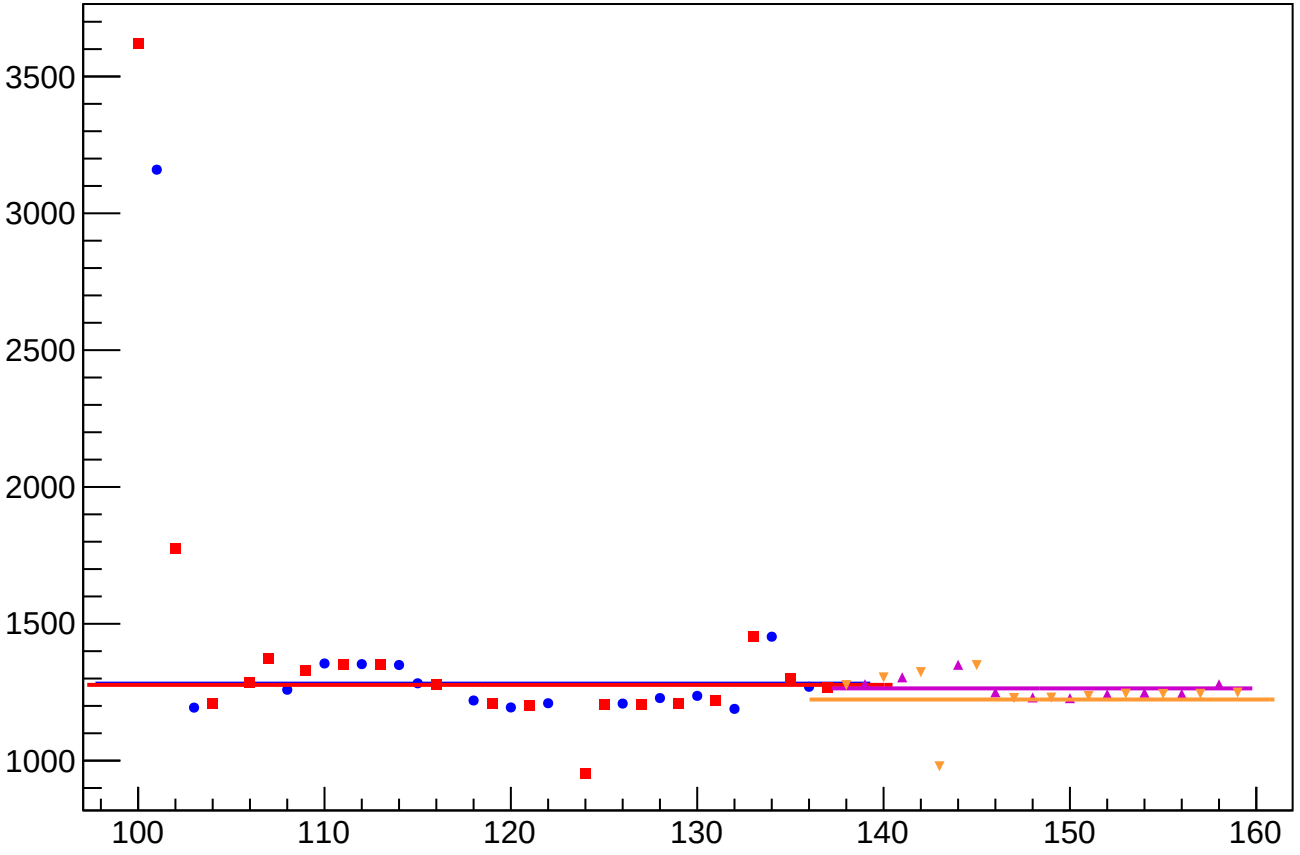
Left In: 357.693+/-428.095 χ^2/NDF:6.3/9

+ sign 28.778+/-307.459 χ^2/NDF: 36.9/27

All: 210.000+/-221.220 χ^2/NDF: 60.6/56

- sign 404.520+/-318.539 χ^2/NDF: 23.0/28

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

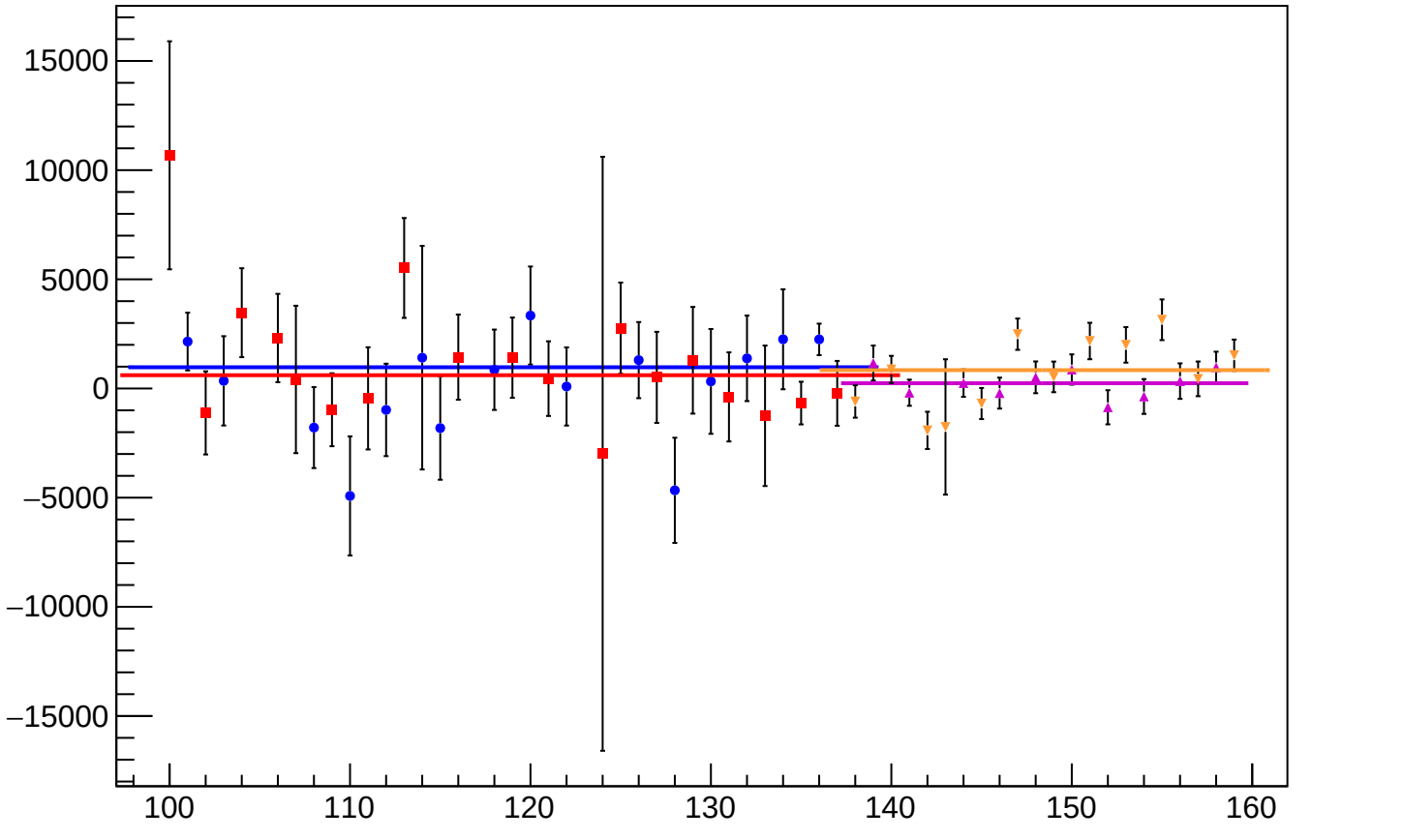
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

+ sign 1246.632+/-0.217 χ^2/NDF: 656197.7/27

All: 1257.777+/-0.156 χ^2/NDF: 896713.1/56

- sign 1269.739+/-0.225 χ^2/NDF: 235066.9/28



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 840.509+/-226.776 χ^2/NDF:36.8/11

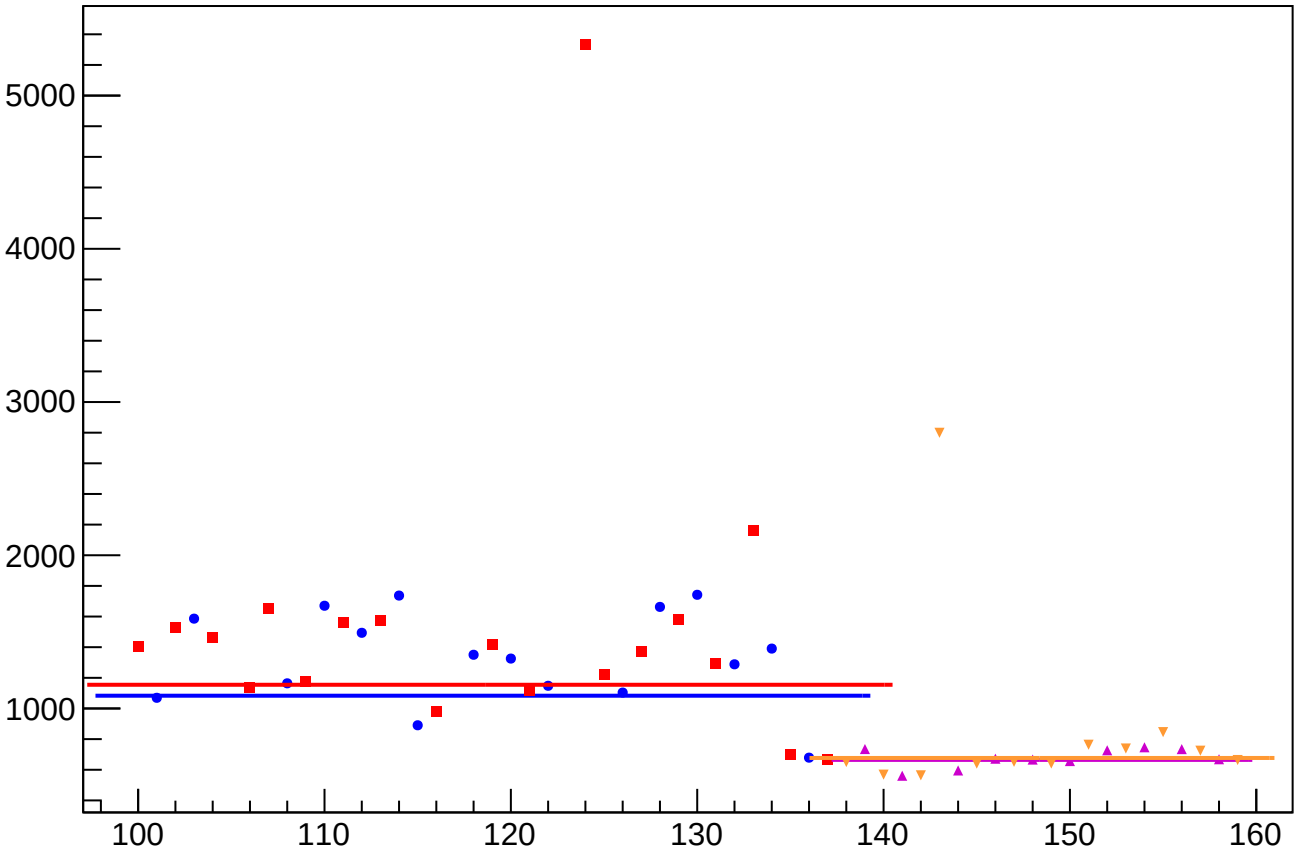
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 240.791+/-226.406 χ^2/NDF:6.9/9

+ sign 869.690+/-200.098 χ^2/NDF: 57.3/27

All: 595.353+/-142.173 χ^2/NDF: 85.6/56

- sign 315.655+/-202.043 χ^2/NDF: 24.5/28



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 677.014+/-0.160 χ^2/NDF:1156302.0/11

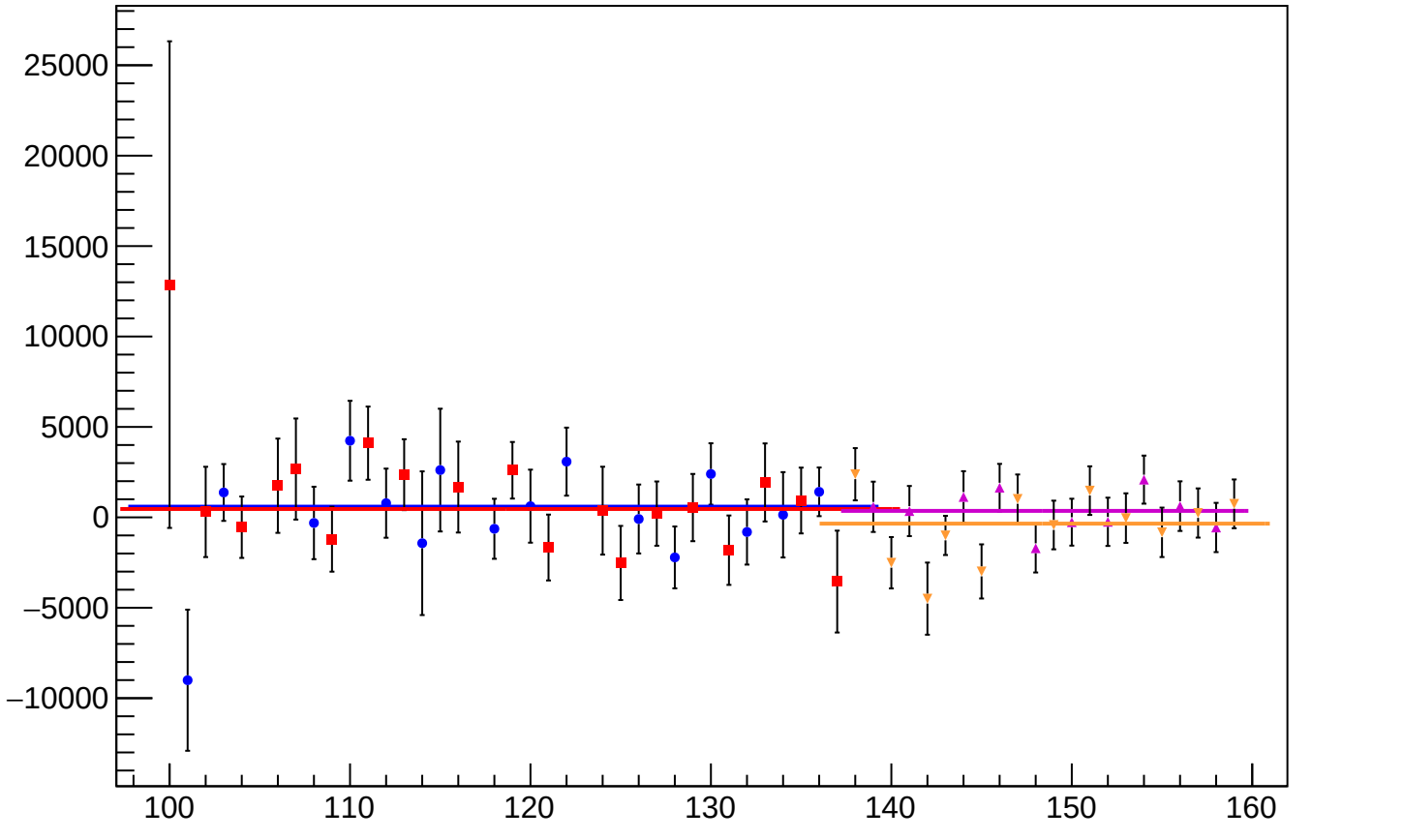
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.408+/-0.160 χ^2/NDF:148962.3/9

+ sign 766.991+/-0.141 χ^2/NDF: 3938238.7/27

All: 765.635+/-0.101 χ^2/NDF: 7485788.6/56

- sign 764.253+/-0.143 χ^2/NDF: 3547364.6/28



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

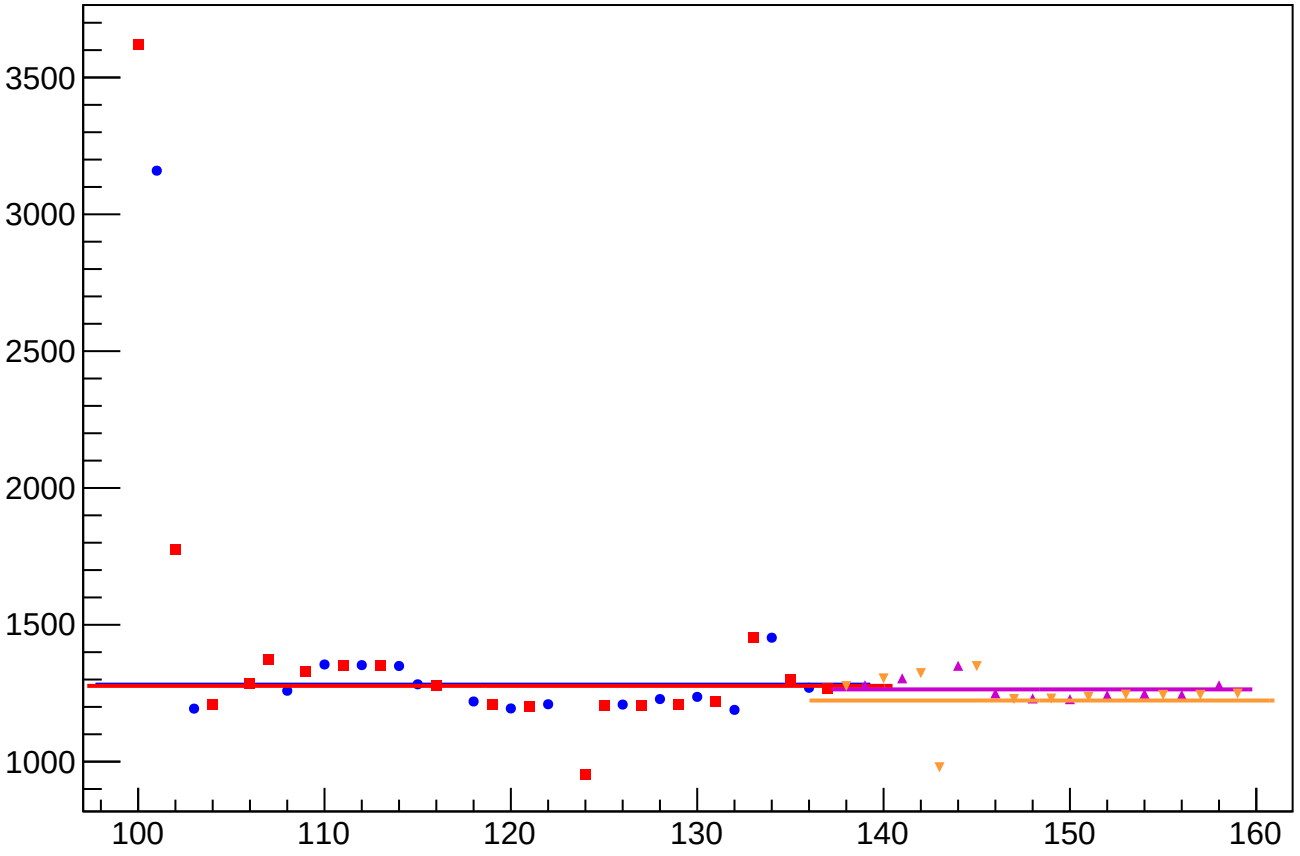
Left In: 357.696+/-428.095 χ^2/NDF:6.3/9

+ sign 28.778+/-307.459 χ^2/NDF: 36.9/27

All: 210.001+/-221.220 χ^2/NDF: 60.6/56

- sign 404.521+/-318.539 χ^2/NDF: 23.0/28

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

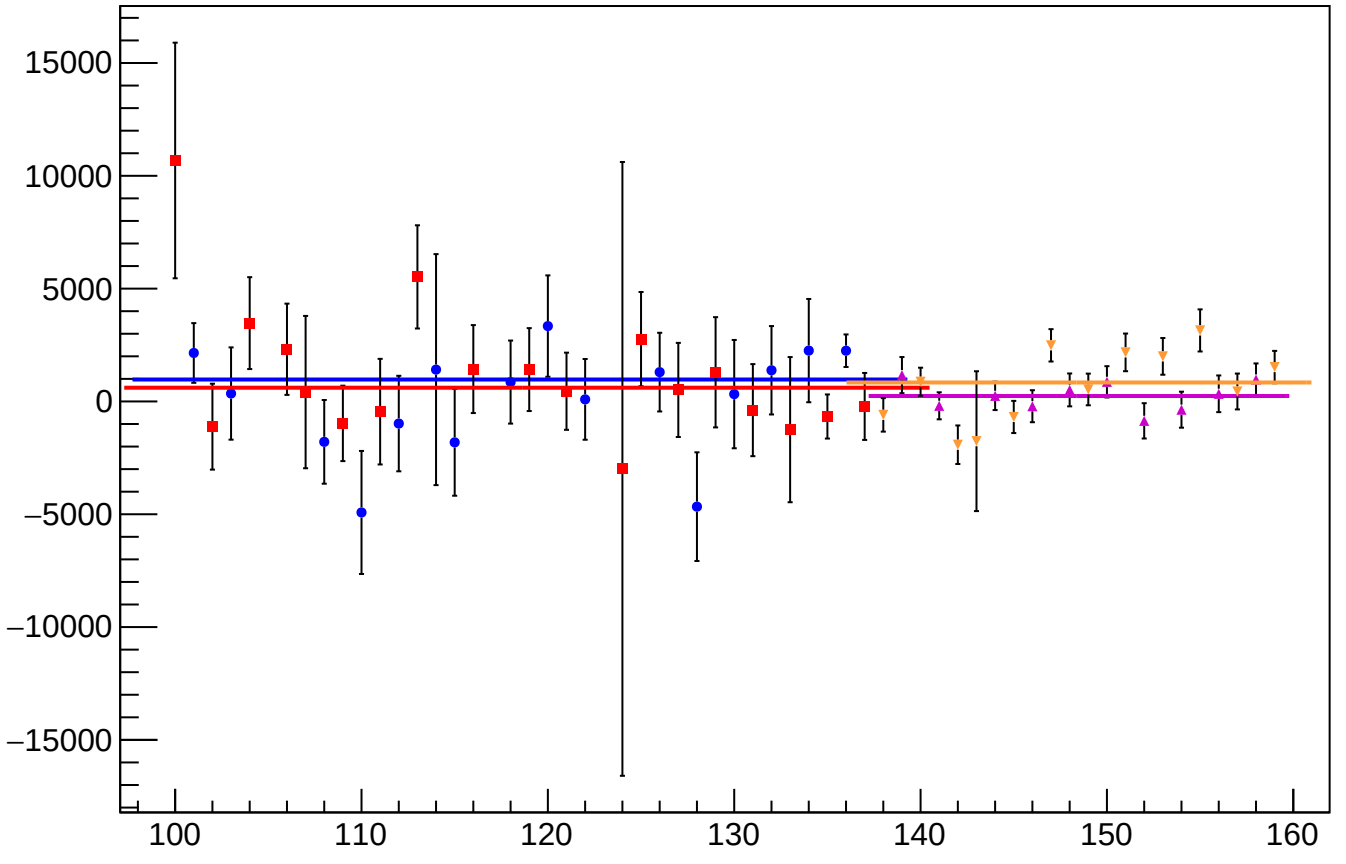
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1263.999+/-0.303 χ^2/NDF:13747.6/9

+ sign 1246.632+/-0.217 χ^2/NDF: 656196.9/27

All: 1257.777+/-0.156 χ^2/NDF: 896712.2/56

- sign 1269.739+/-0.225 χ^2/NDF: 235066.8/28



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 840.512+/-226.776 χ^2/NDF:36.8/11

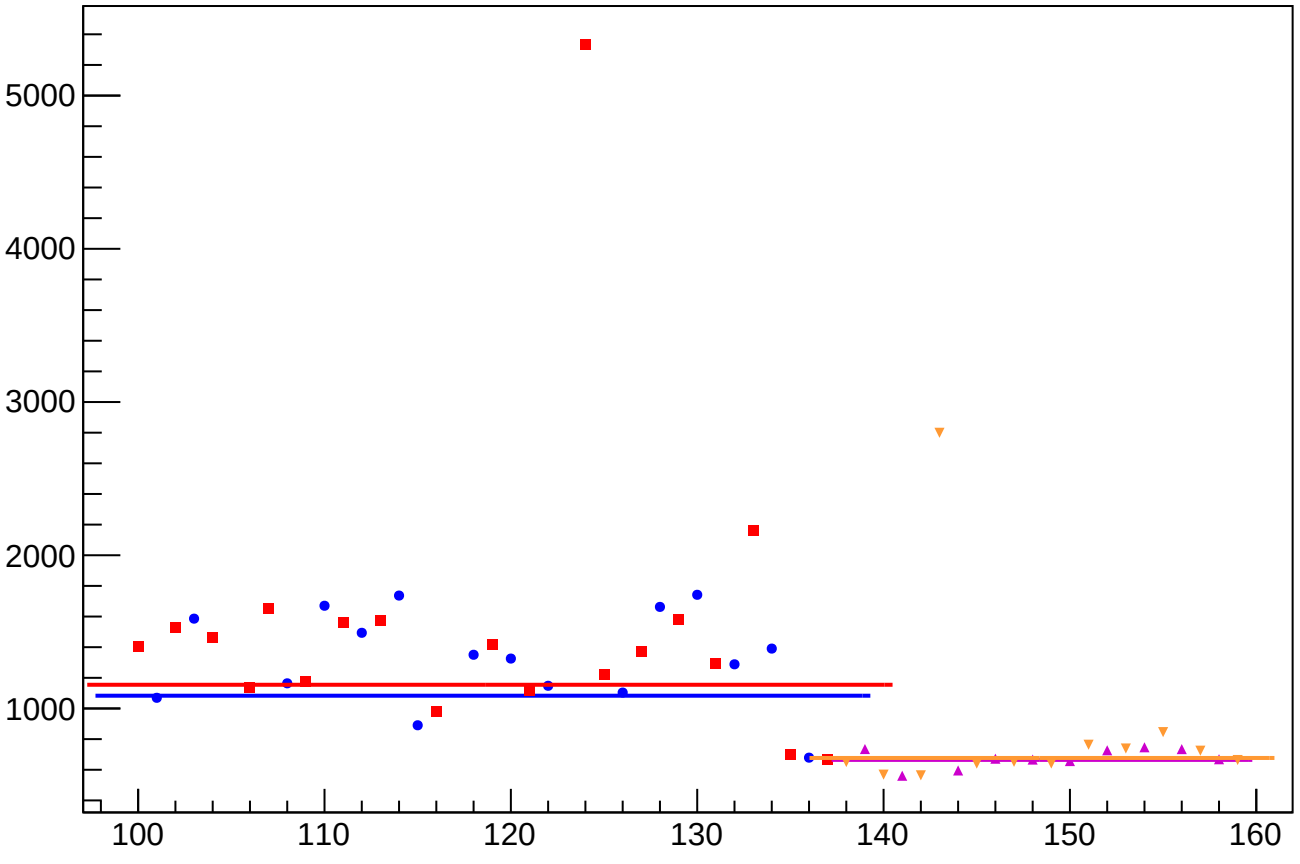
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 240.790+/-226.406 χ^2/NDF:6.9/9

\+ sign 869.691+/-200.098 χ^2/NDF: 57.3/27

All: 595.353+/-142.174 χ^2/NDF: 85.6/56

\- sign 315.656+/-202.044 χ^2/NDF: 24.5/28



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

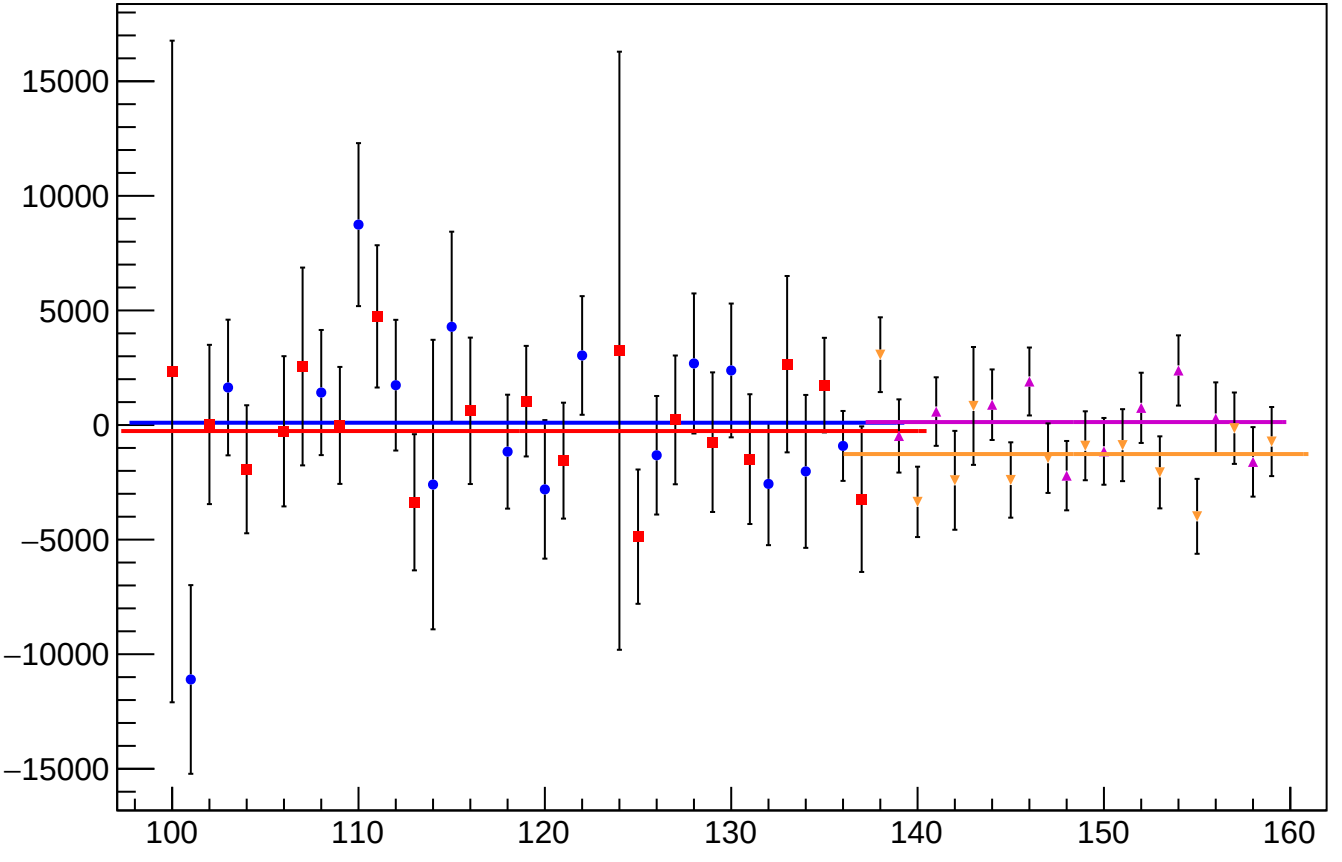
Left In: 664.408+/-0.160 χ^2/NDF:148964.4/9

+ sign 766.993+/-0.141 χ^2/NDF: 3938195.0/27

All: 765.637+/-0.101 χ^2/NDF: 7485737.0/56

- sign 764.254+/-0.143 χ^2/NDF: 3547356.4/28

asym_at1_dd_at2_dd_avg_mean vs Slug



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

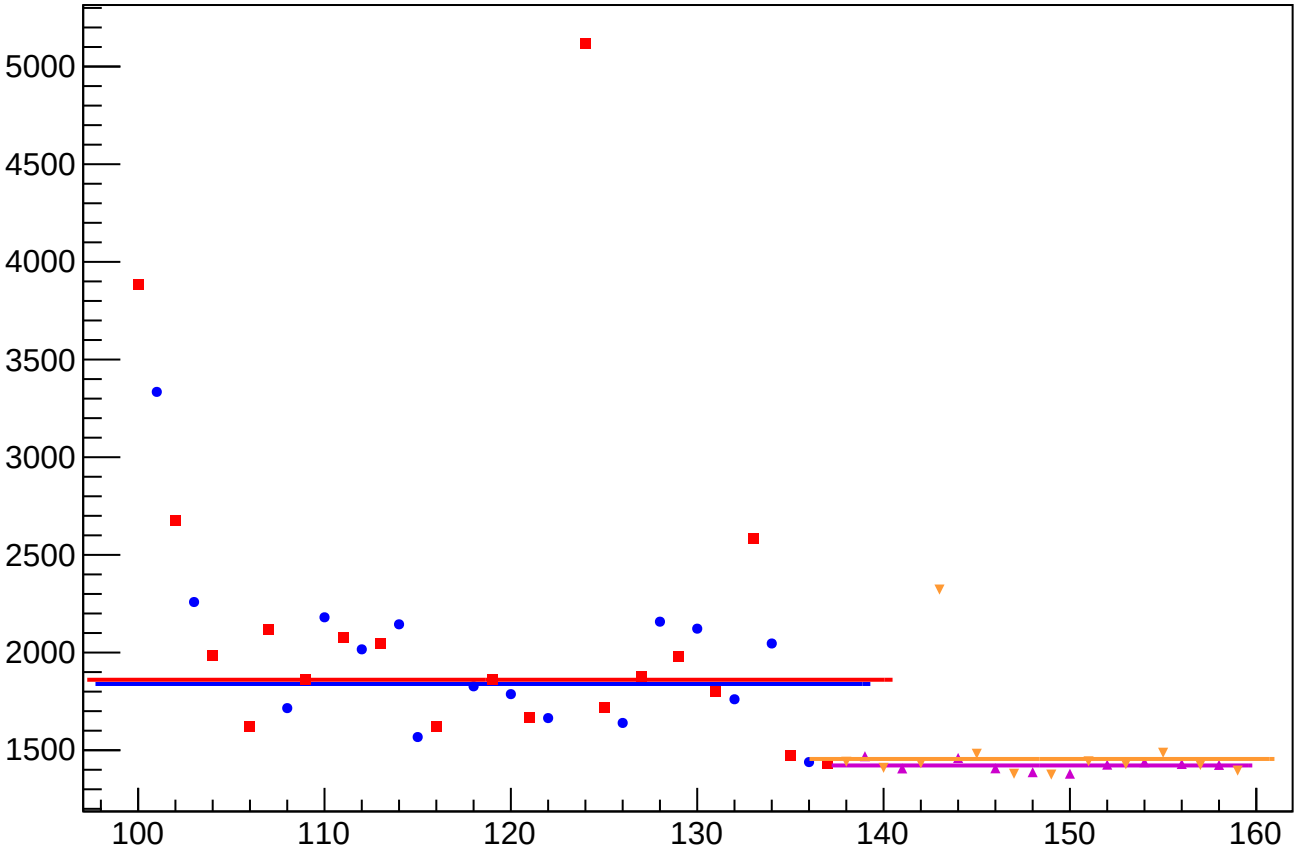
Left In: 129.264+/-481.560 χ^2/NDF:8.7/9

+ sign -835.735+/-392.346 χ^2/NDF: 38.0/27

All: -420.853+/-278.955 χ^2/NDF: 59.6/56

- sign 3.274+/-396.693 χ^2/NDF: 19.3/28

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

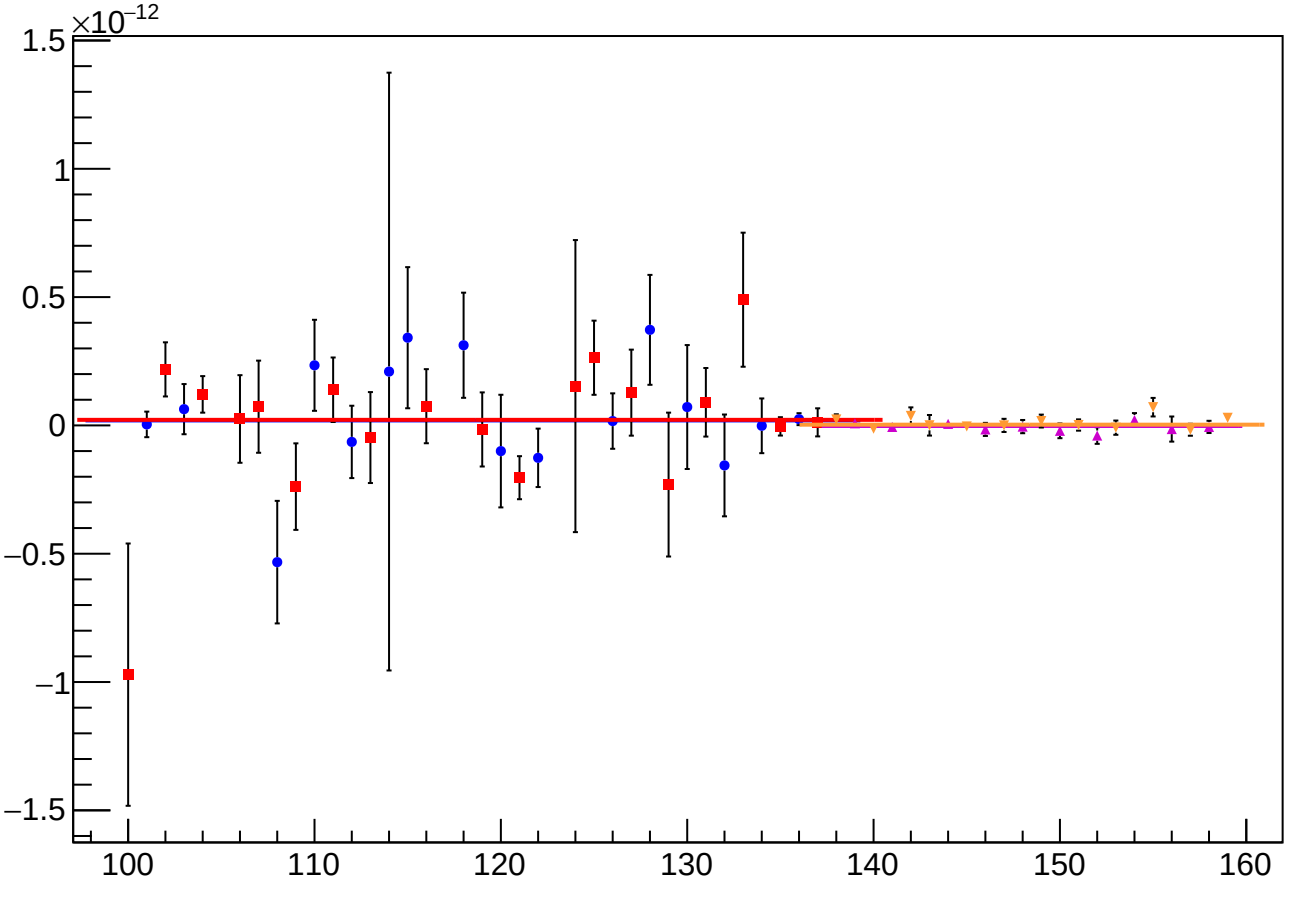
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1422.020+/-0.341 χ^2/NDF:6405.5/9

\+ sign 1576.216+/-0.277 χ^2/NDF: 1215810.1/27

All: 1569.698+/-0.197 χ^2/NDF: 2279019.2/56

\- sign 1563.035+/-0.281 χ^2/NDF: 1062092.9/28



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

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

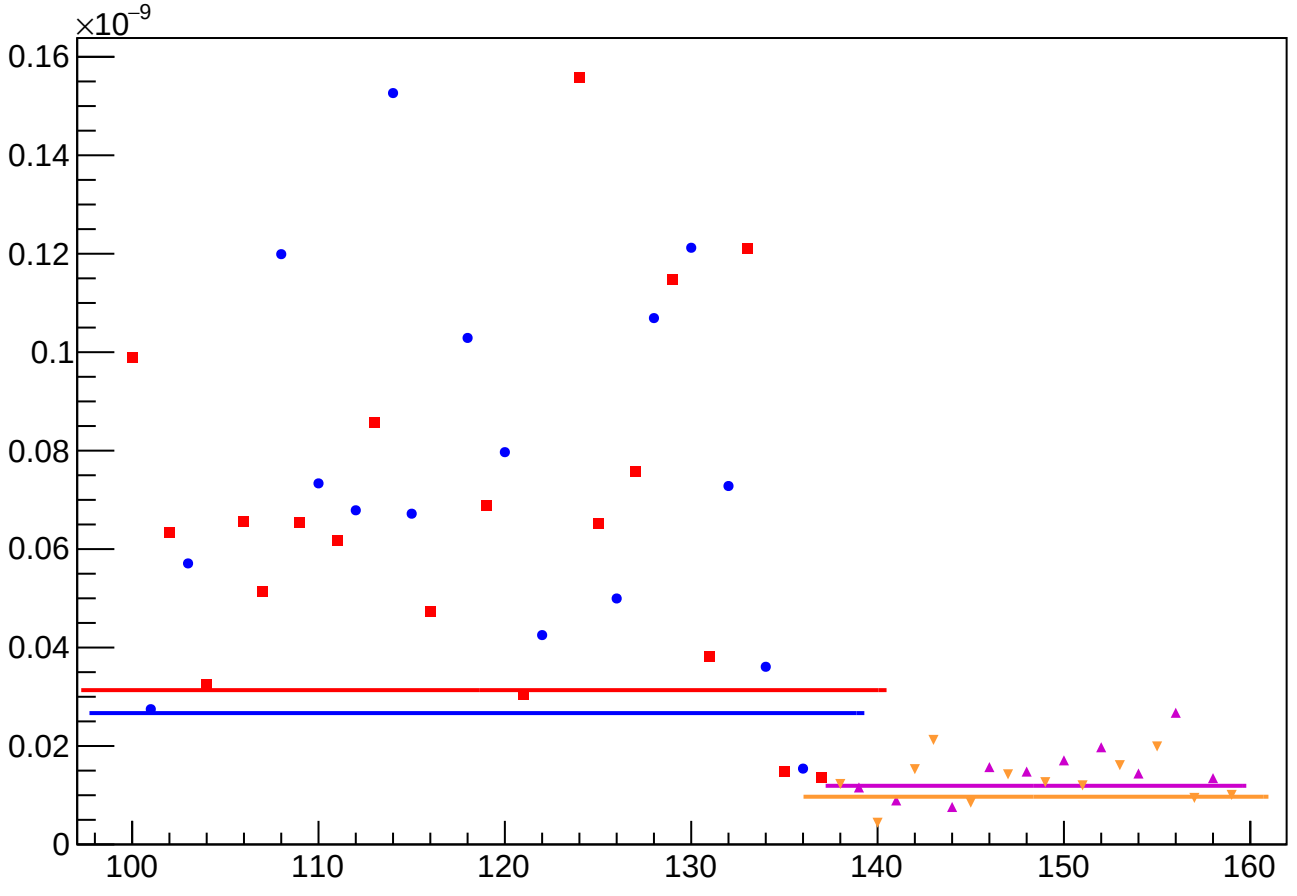
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/27

All: 0.000+/-0.000 χ^2/NDF: 61.4/56

- sign -0.000+/-0.000 χ^2/NDF: 32.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136859.2/11

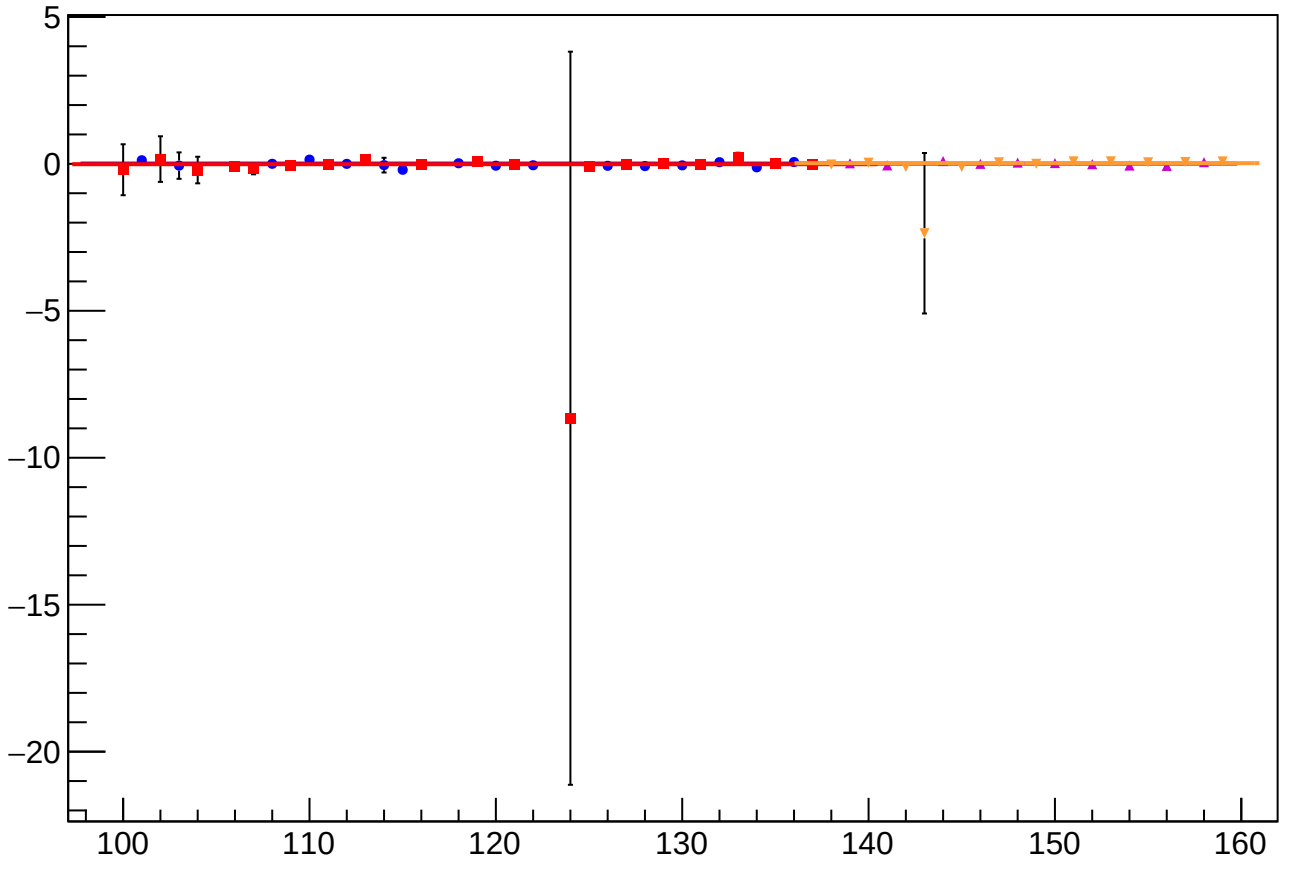
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:737470.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 5203739.5/27

All: 0.000+/-0.000 χ^2/NDF: 9756084.0/56

- sign 0.000+/-0.000 χ^2/NDF: 4399026.8/28



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

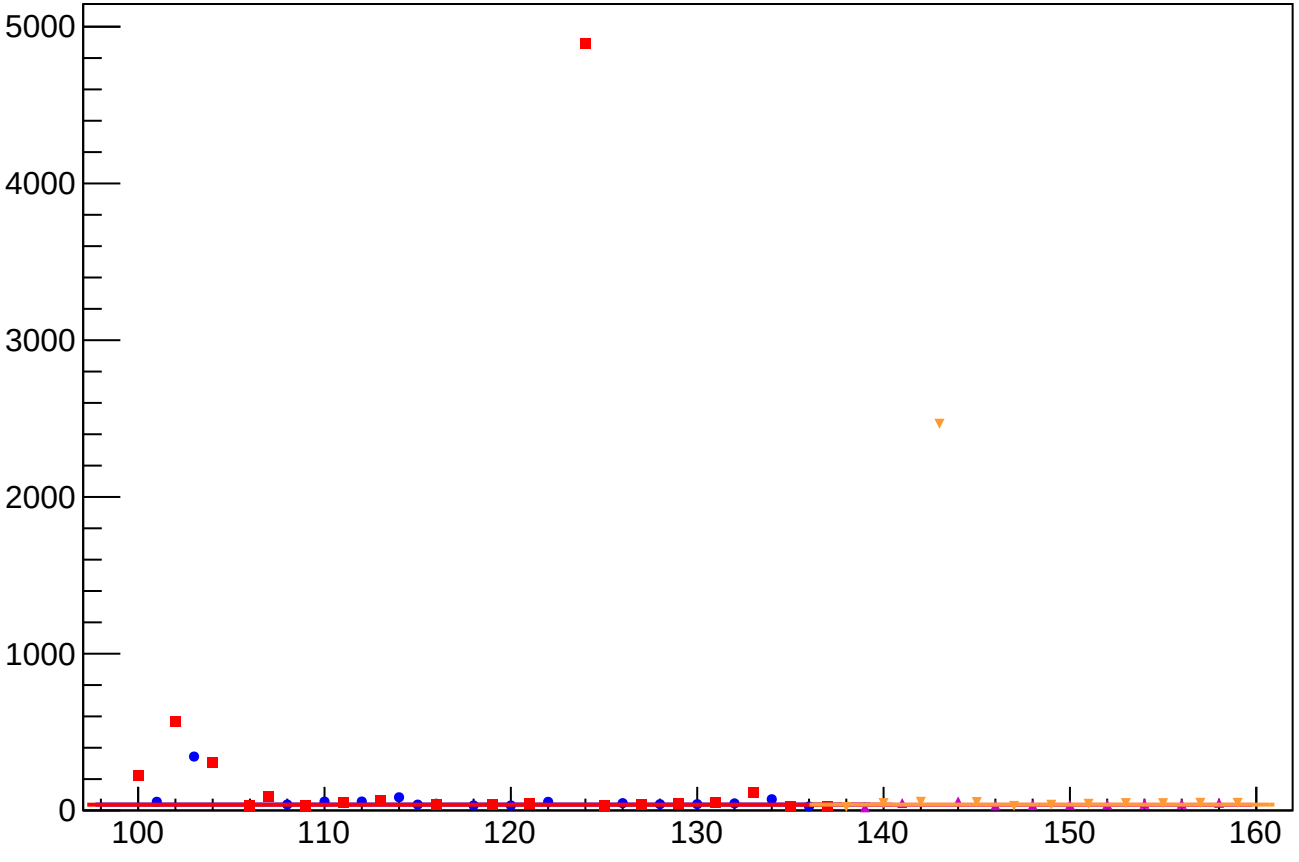
Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/56

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28

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

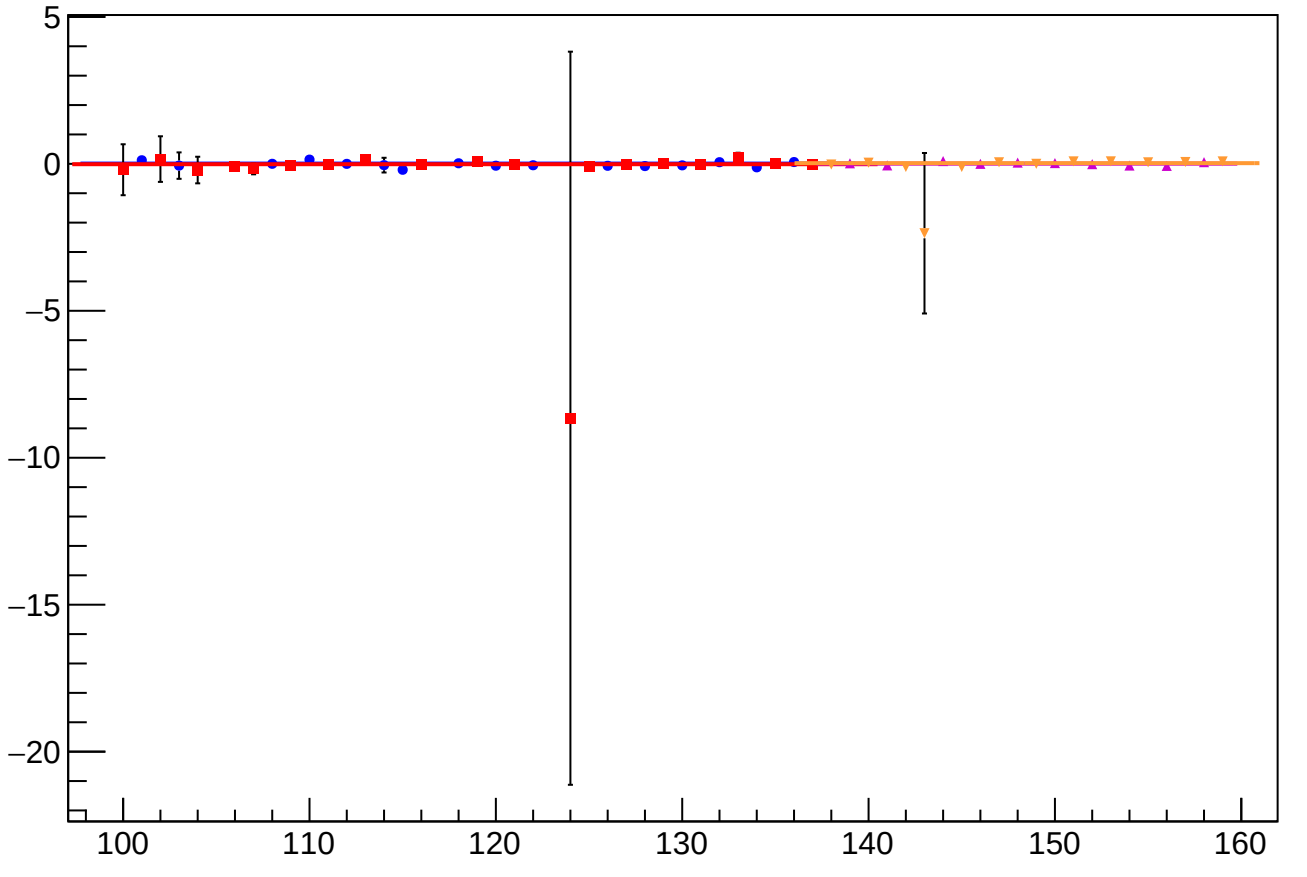
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

+ sign 37.372+/-0.007 χ^2/NDF: 4854108.6/27

All: 36.708+/-0.005 χ^2/NDF: 9262078.3/56

- sign 36.054+/-0.007 χ^2/NDF: 4392053.1/28



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

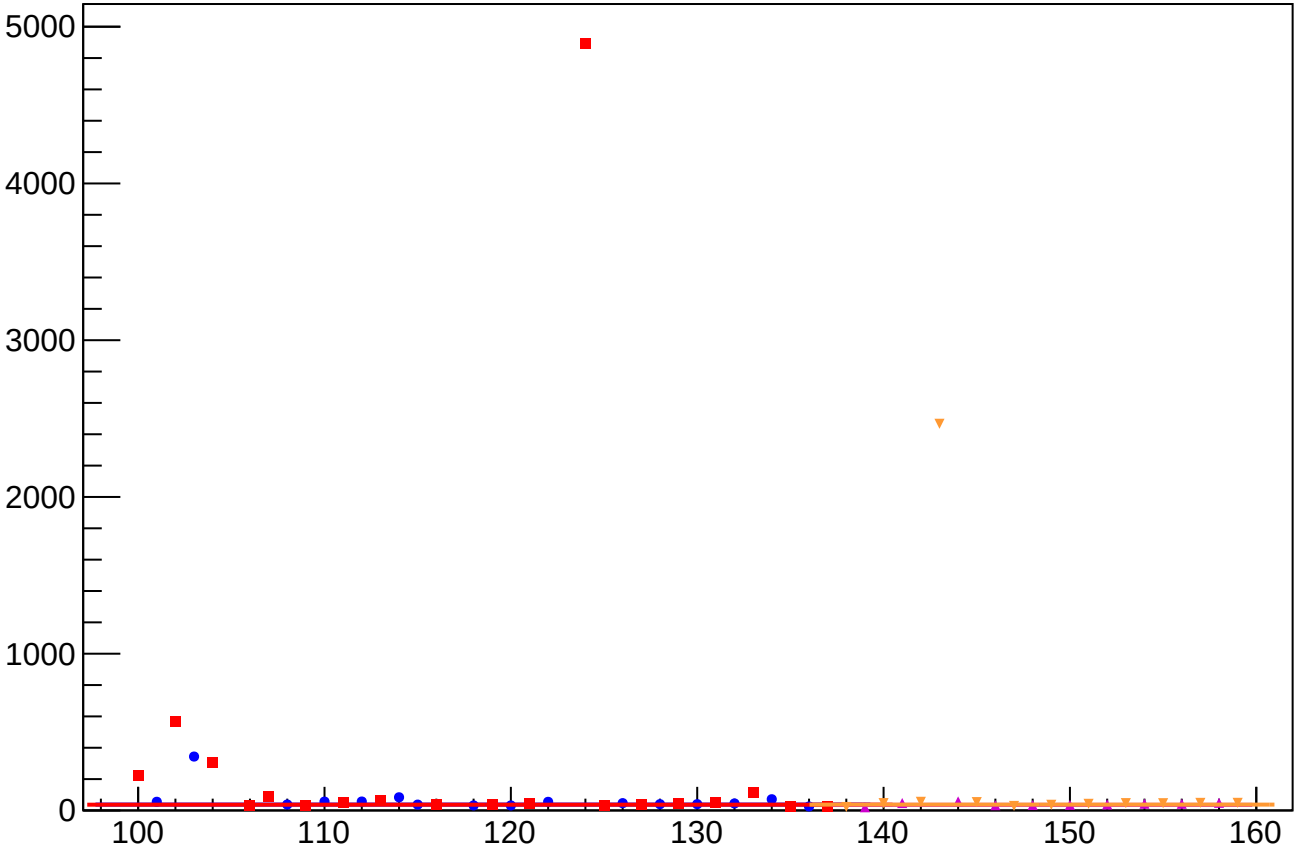
Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/56

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28

asym_at1_dd_at2_dd_avg_dit_vs_eigen_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

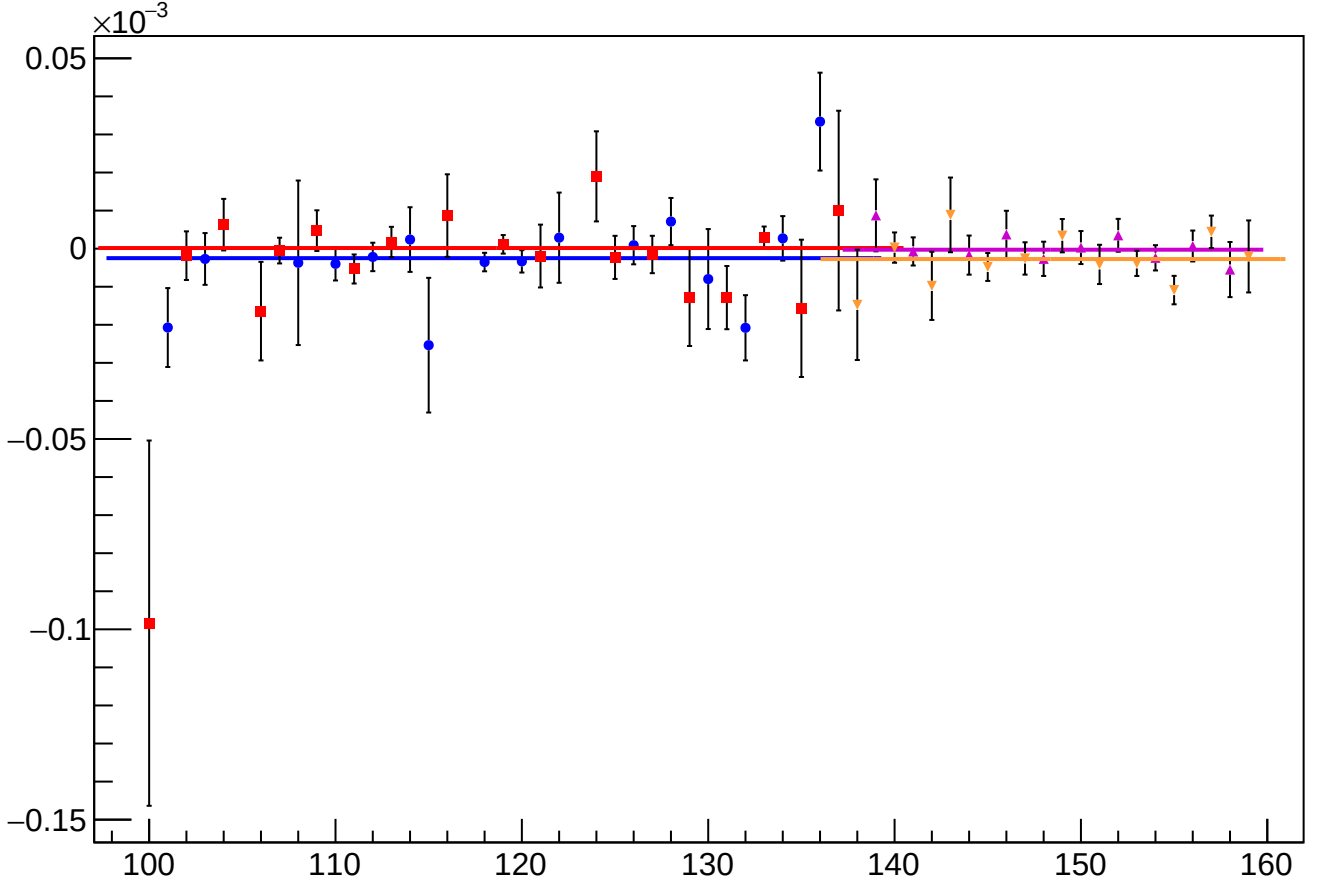
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 35.592+/-0.009 χ^2/NDF:1195282.8/9

+ sign 37.372+/-0.007 χ^2/NDF: 4854108.6/27

All: 36.708+/-0.005 χ^2/NDF: 9262078.3/56

- sign 36.054+/-0.007 χ^2/NDF: 4392053.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/11

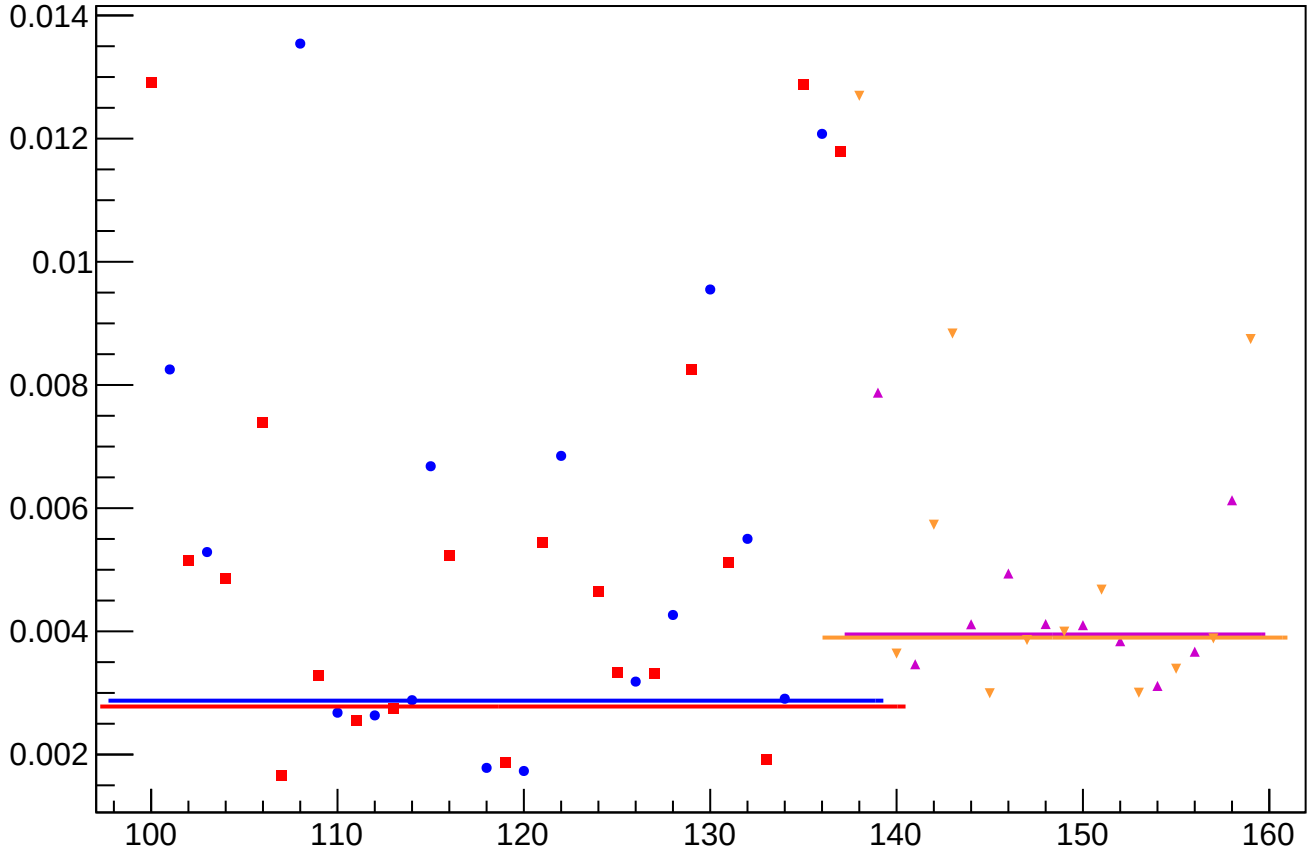
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/27

All: -0.000+/-0.000 χ^2/NDF: 61.5/56

- sign -0.000+/-0.000 χ^2/NDF: 22.4/28



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2211952.3/11

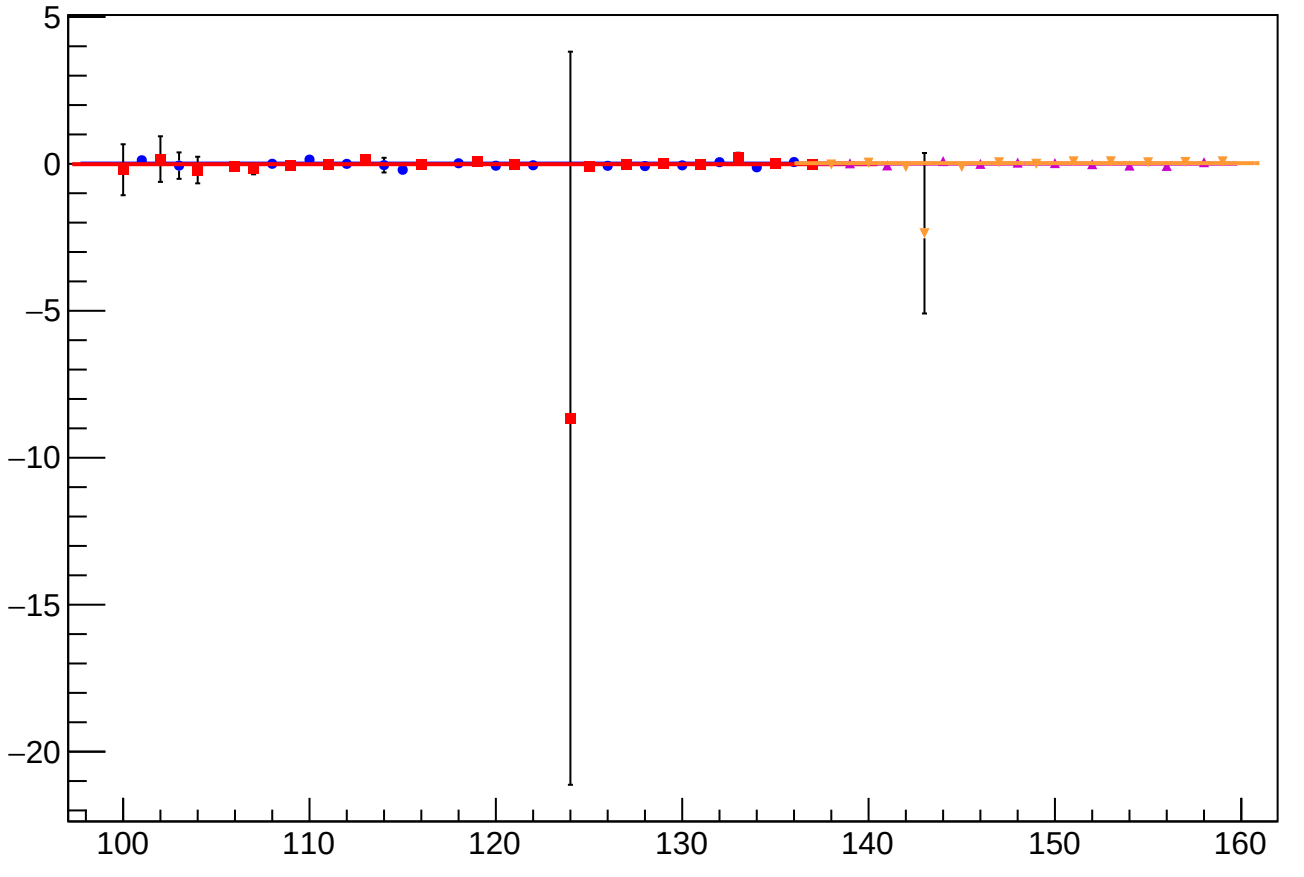
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:755738.4/9

+ sign 0.003+/-0.000 χ^2/NDF: 6953921.9/27

All: 0.003+/-0.000 χ^2/NDF: 11824246.2/56

- sign 0.003+/-0.000 χ^2/NDF: 4852728.6/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.014 χ^2/NDF:16.2/11

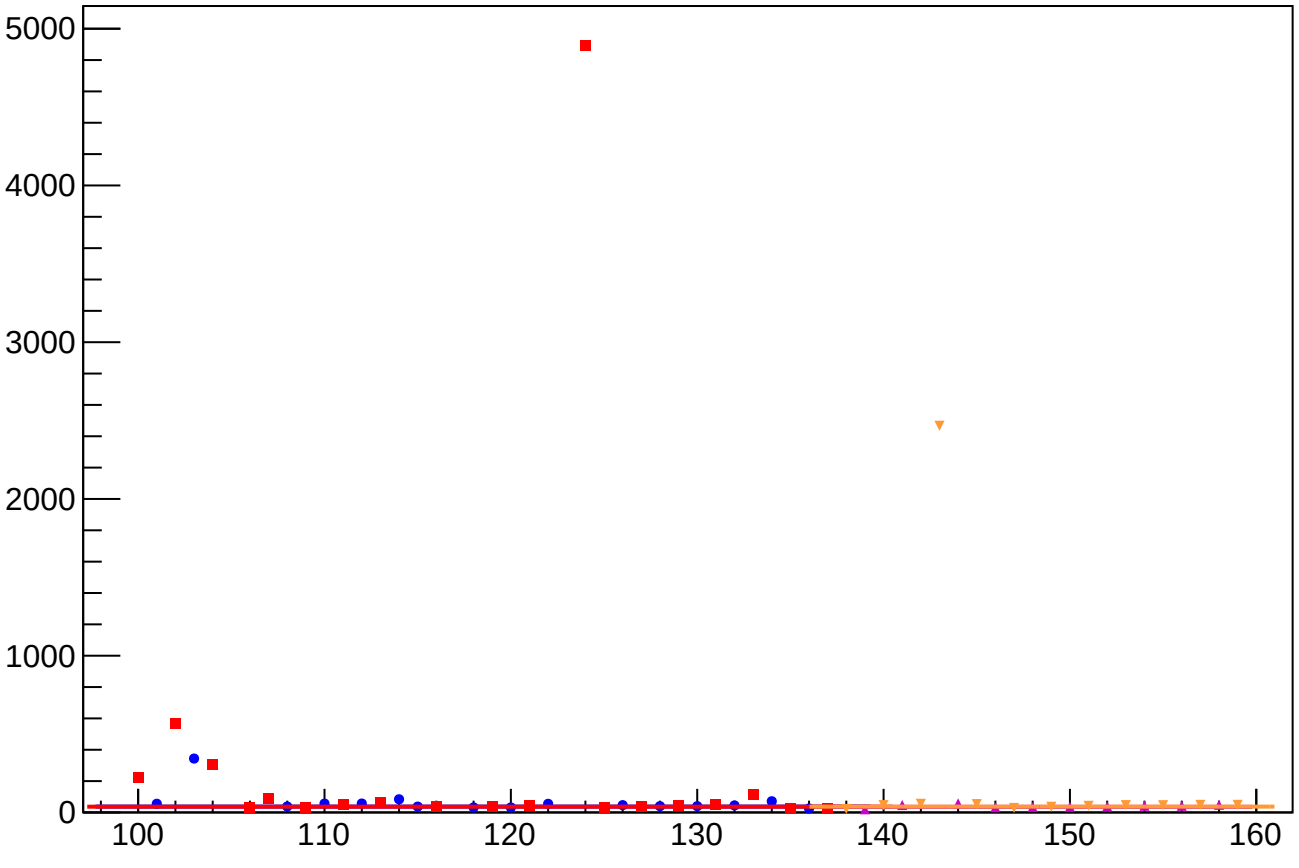
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/56

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.279+/-0.010 χ^2/NDF:2871228.8/11

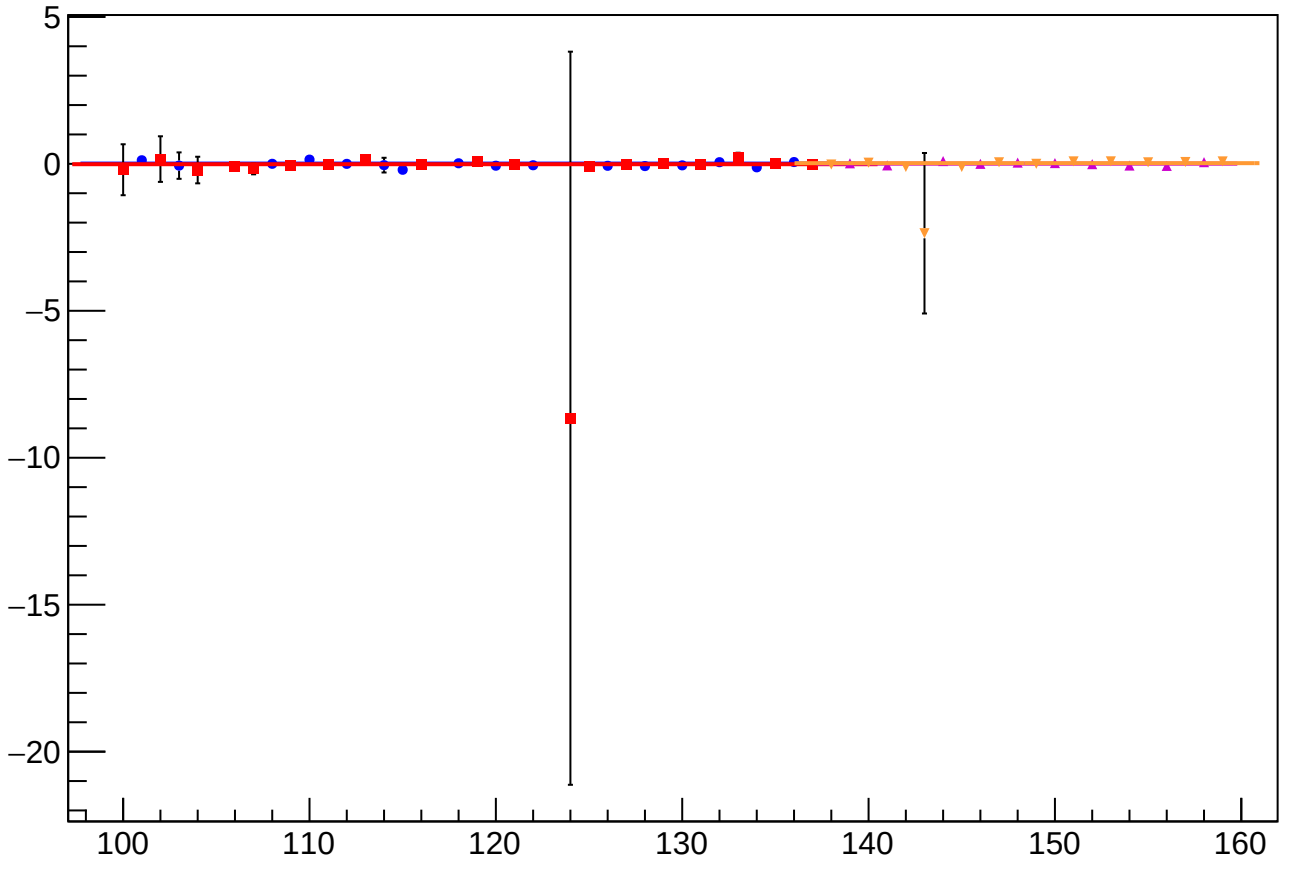
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

+ sign 37.371+/-0.007 χ^2/NDF: 4854641.5/27

All: 36.709+/-0.005 χ^2/NDF: 9261224.2/56

- sign 36.056+/-0.007 χ^2/NDF: 4390760.9/28



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.014 χ^2/NDF:16.2/11

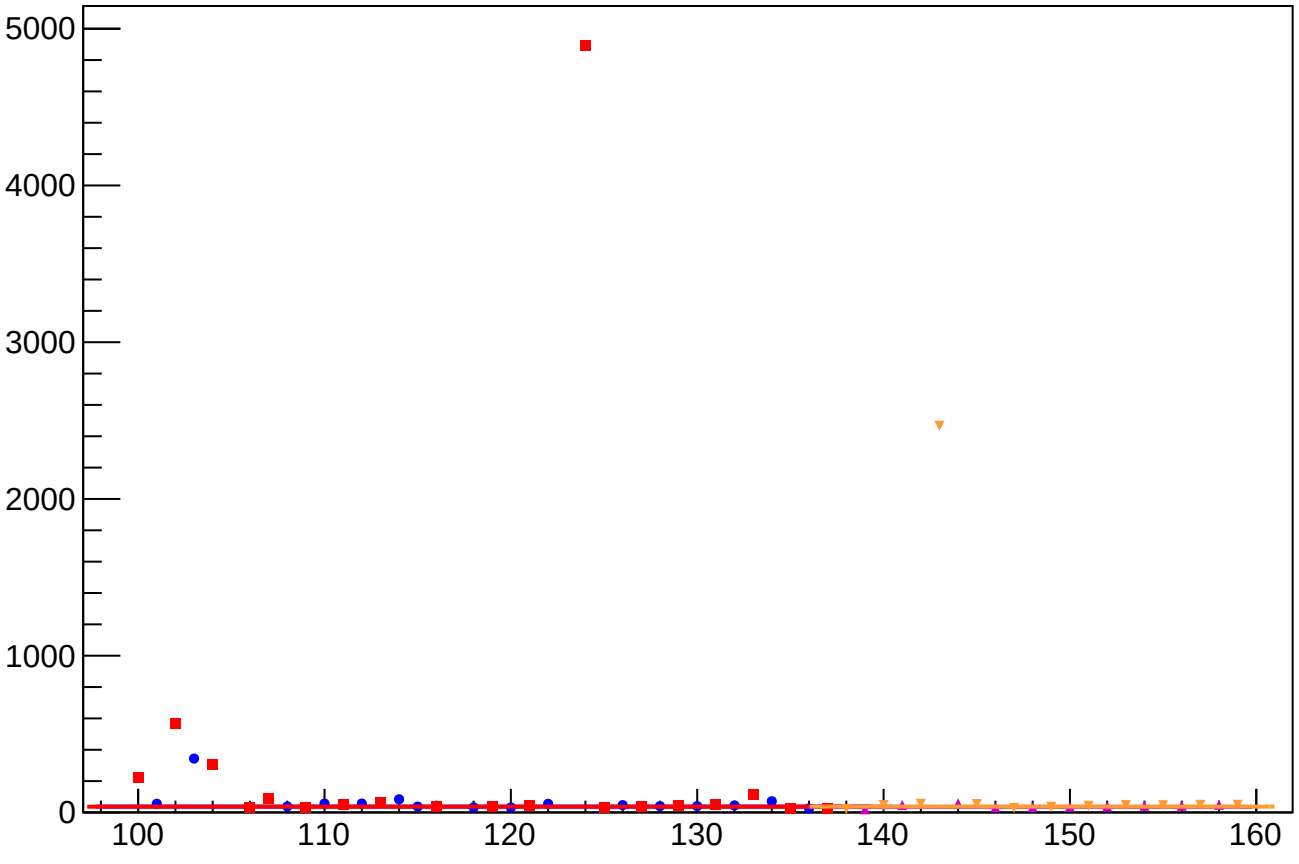
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/9

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/56

- sign -0.001+/-0.010 χ^2/NDF: 22.9/28



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.279+/-0.010 χ^2/NDF:2871228.8/11

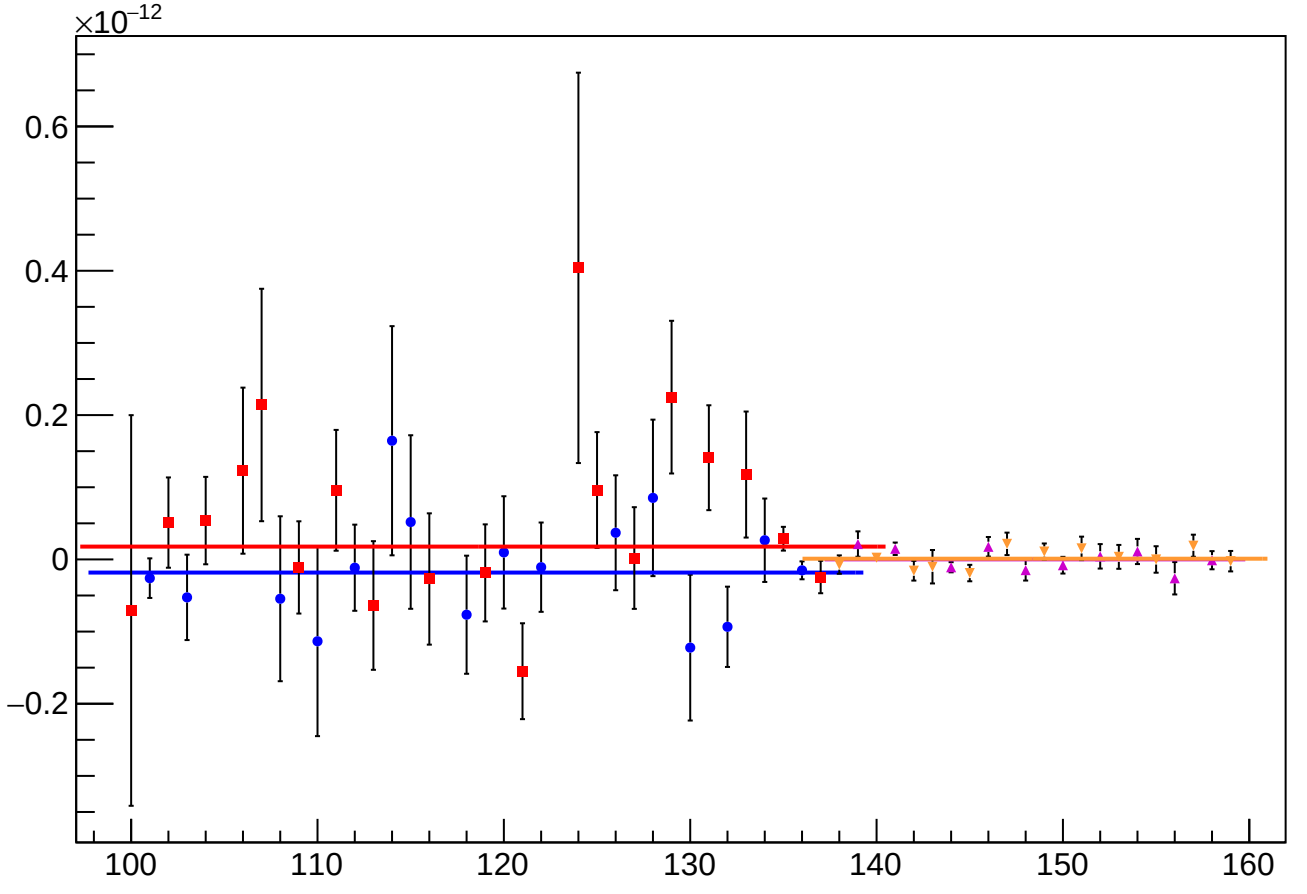
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 35.596+/-0.009 χ^2/NDF:1194308.9/9

+ sign 37.371+/-0.007 χ^2/NDF: 4854641.5/27

All: 36.709+/-0.005 χ^2/NDF: 9261224.2/56

- sign 36.056+/-0.007 χ^2/NDF: 4390760.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/11

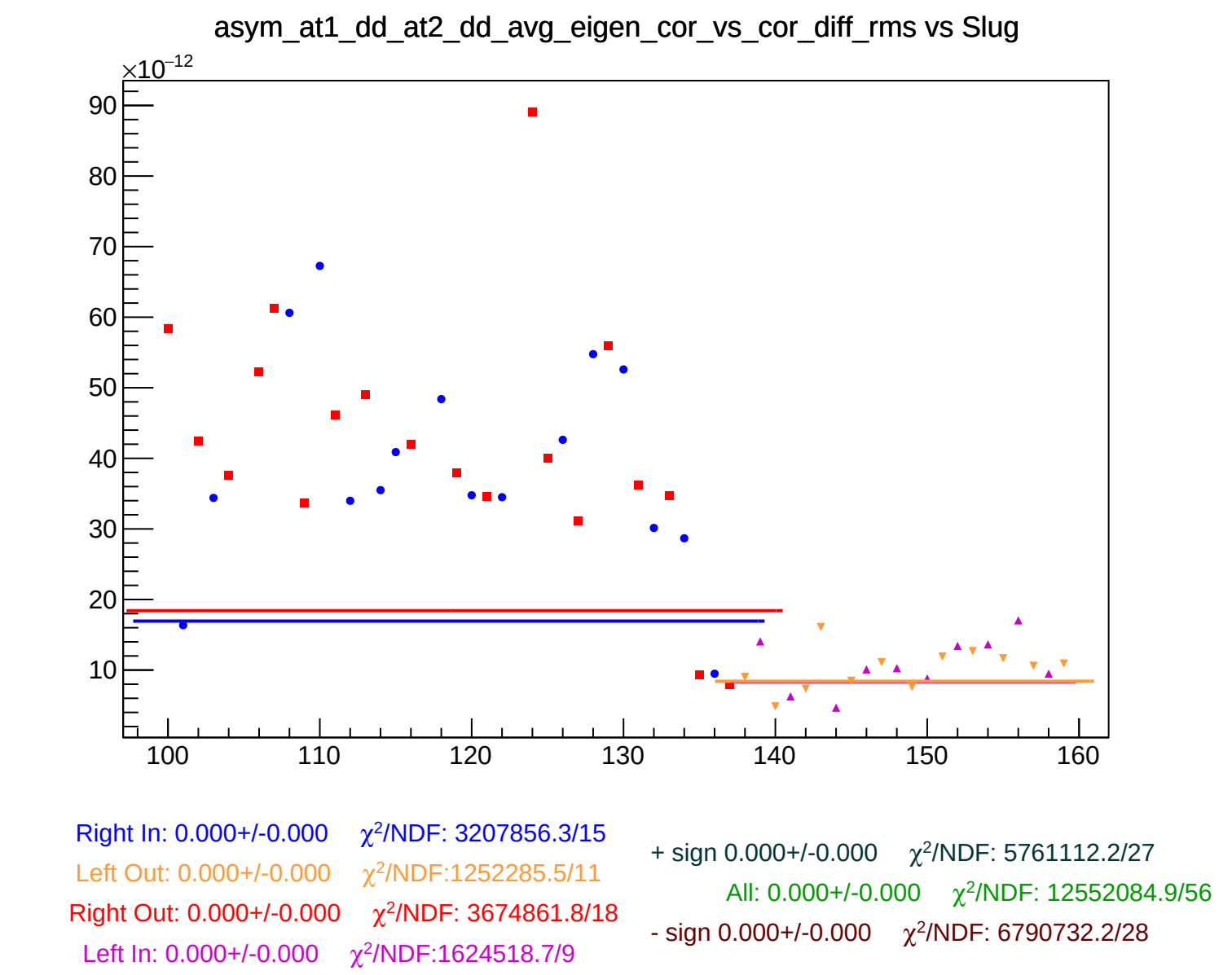
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/27

All: 0.000+/-0.000 χ^2/NDF: 63.4/56

- sign 0.000+/-0.000 χ^2/NDF: 41.4/28


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
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50
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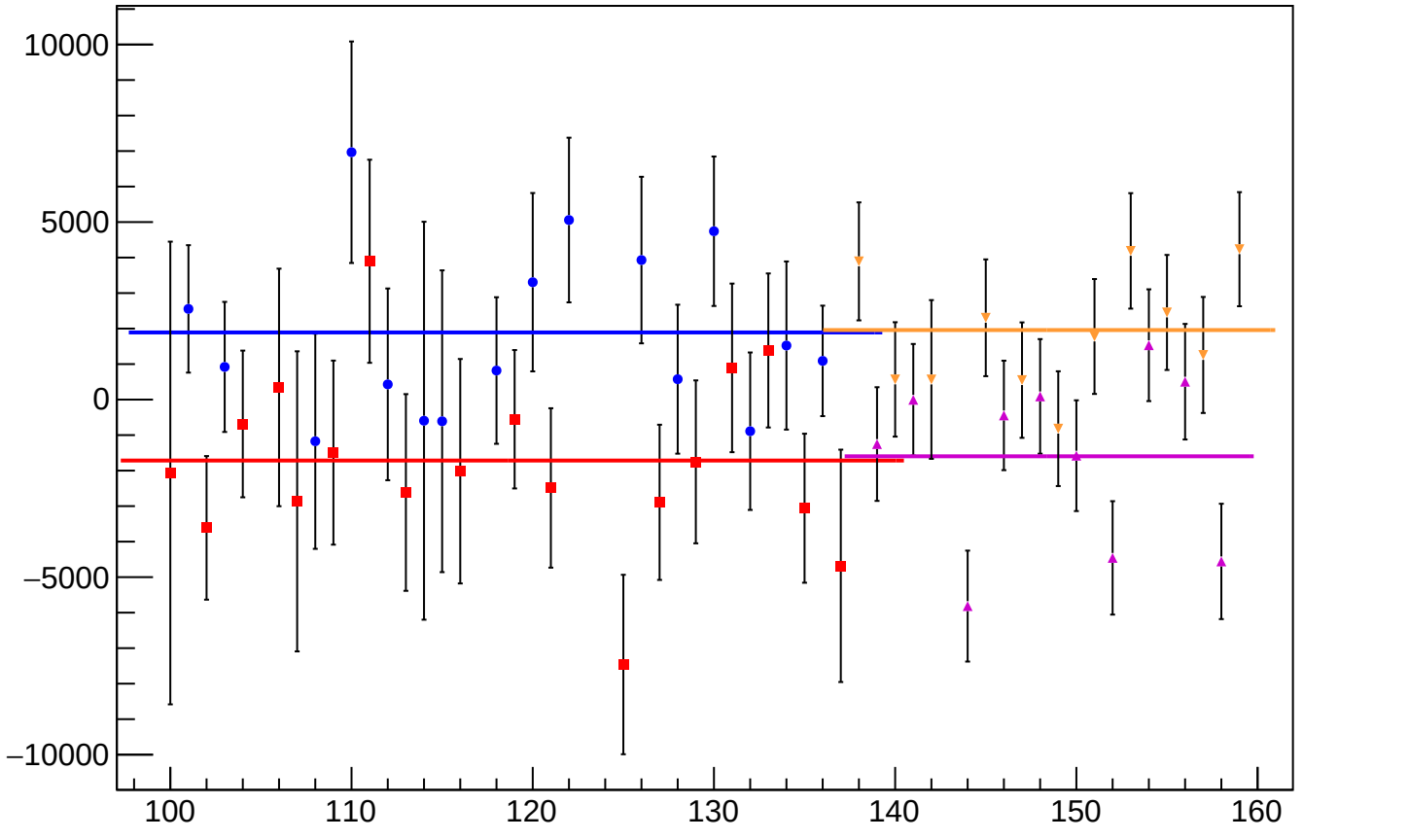
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1252285.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1624518.7/9
+ sign 0.000+/-0.000 χ²/NDF: 5761112.2/27
All: 0.000+/-0.000 χ²/NDF: 12552084.9/56
- sign 0.000+/-0.000 χ²/NDF: 6790732.2/28



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

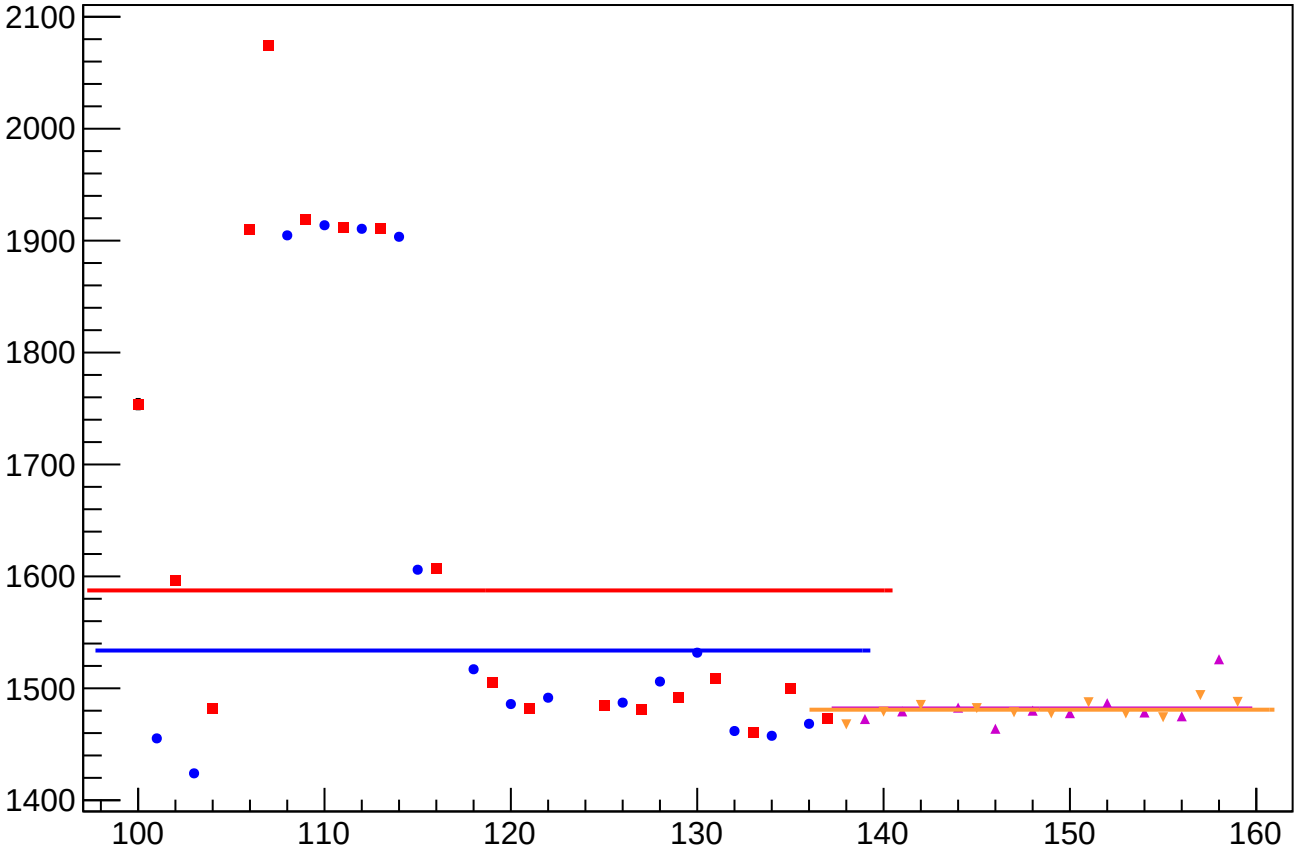
Left In: -1596.481+/-501.745 χ^2/NDF:22.2/9

+ sign 1929.506+/-377.002 χ^2/NDF: 22.6/26

All: 165.396+/-268.361 χ^2/NDF: 105.2/54

- sign -1646.651+/-382.090 χ^2/NDF: 38.2/27

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

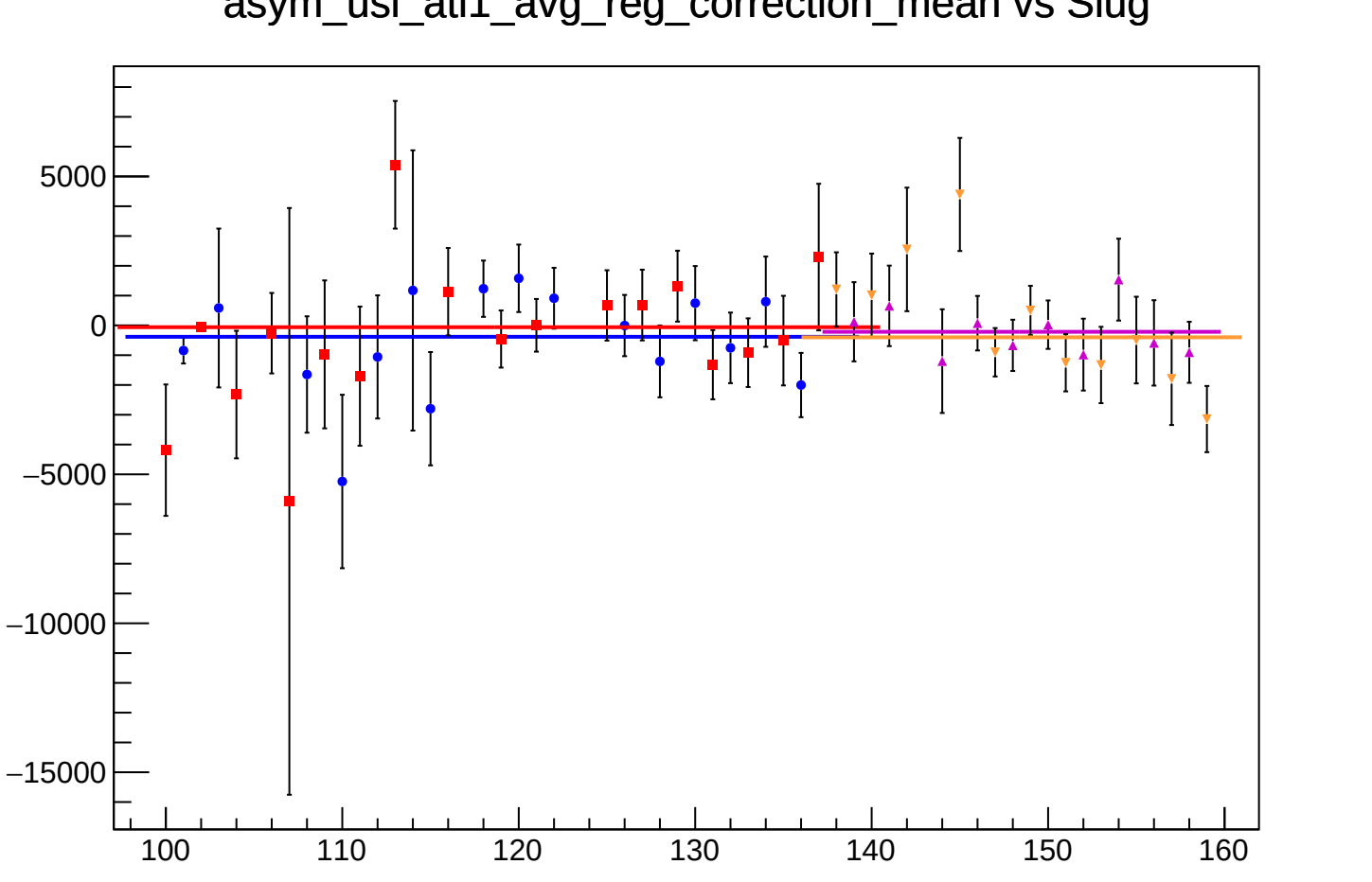
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

+ sign 1503.849+/-0.267 χ^2/NDF: 139322.2/26

All: 1514.919+/-0.190 χ^2/NDF: 353838.2/54

- sign 1526.290+/-0.270 χ^2/NDF: 211020.5/27



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -399.658+/-352.725 χ^2/NDF:20.9/10

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

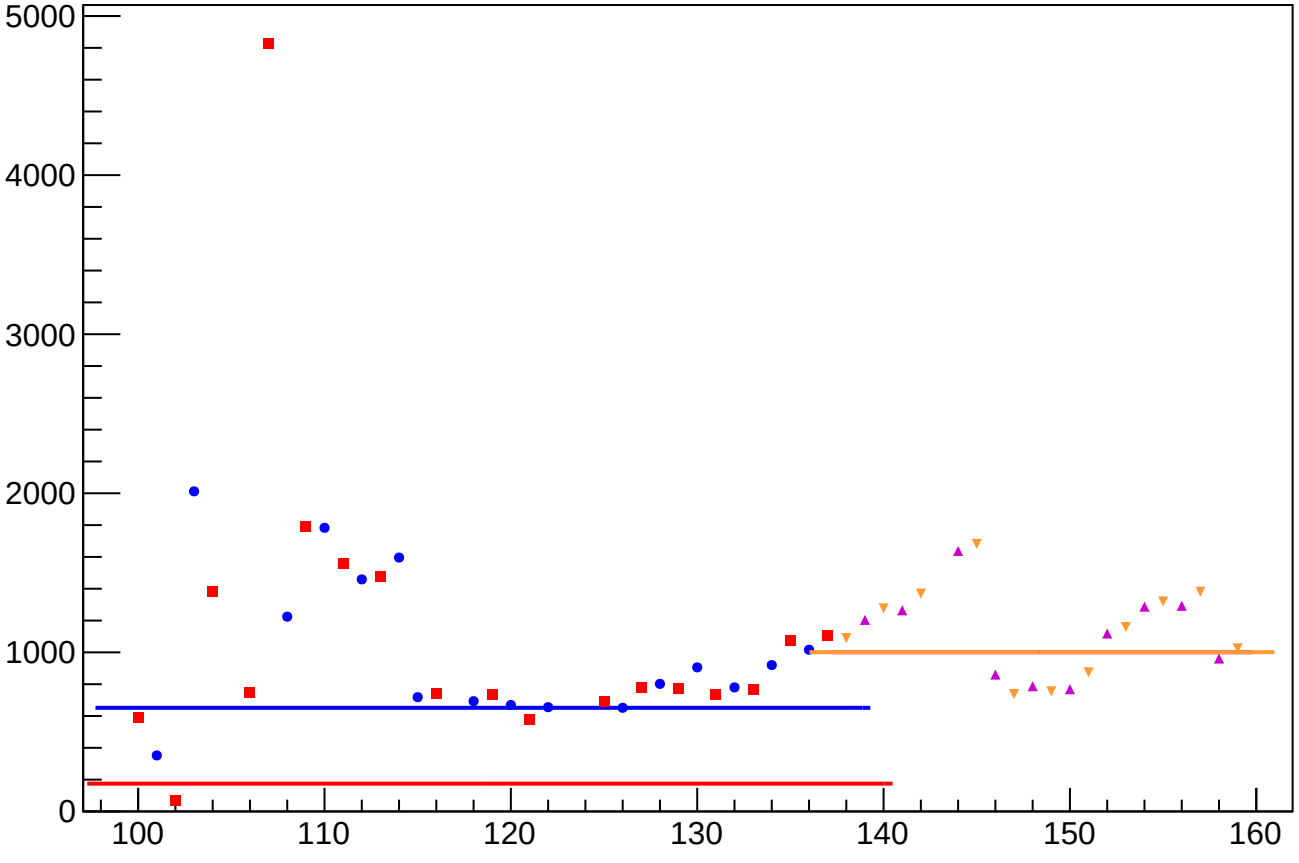
Left In: -215.164+/-350.150 χ^2/NDF:3.8/9

+ sign -389.085+/-215.499 χ^2/NDF: 39.1/26

All: -151.747+/-104.822 χ^2/NDF: 62.5/54

- sign -78.189+/-119.971 χ^2/NDF: 21.8/27

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

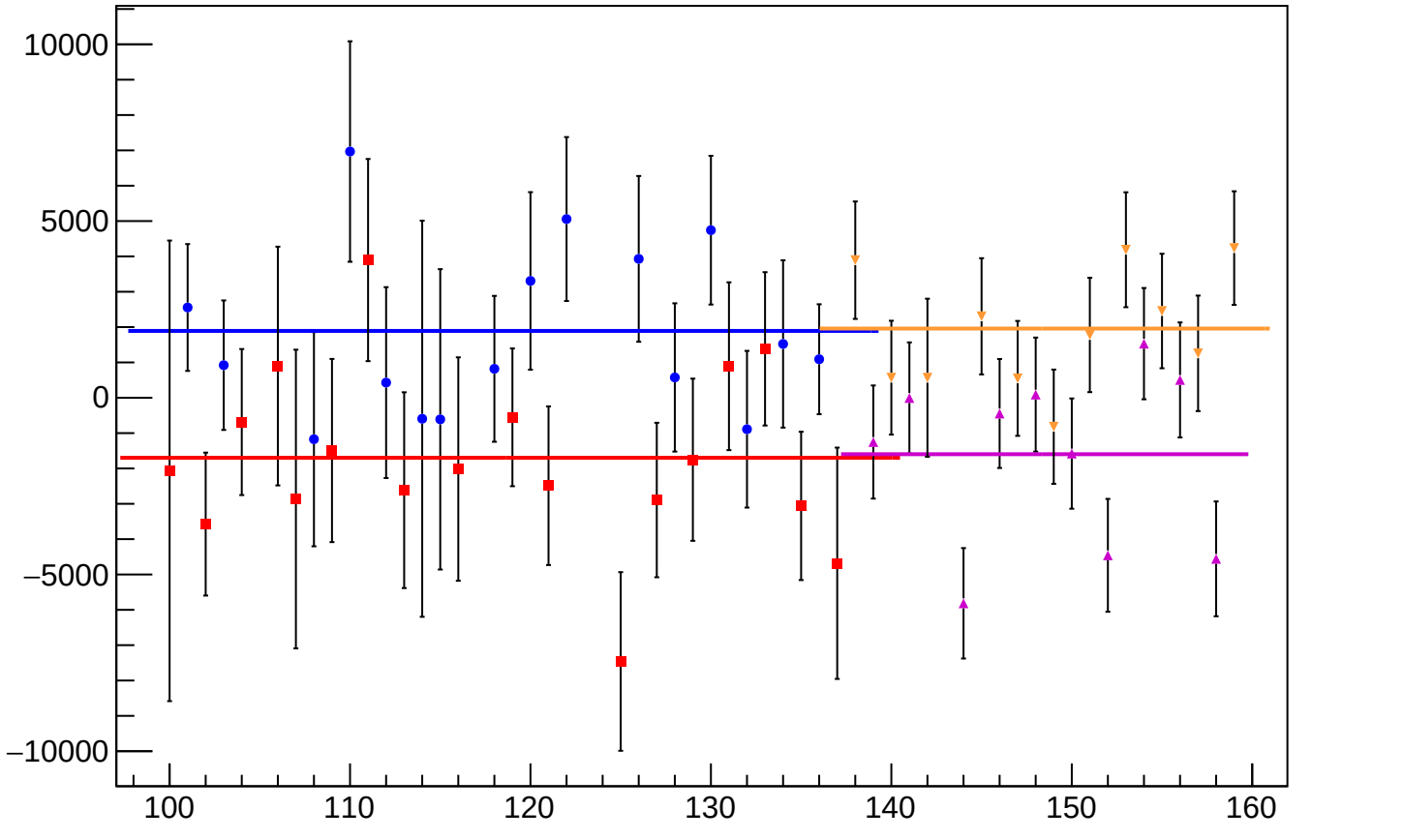
Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1000.871+/-0.248 χ^2/NDF:915608.3/9

+ sign 782.052+/-0.152 χ^2/NDF: 5072373.3/26

All: 392.573+/-0.074 χ^2/NDF: 34129376.1/54

- sign 271.862+/-0.085 χ^2/NDF: 20499322.5/27



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

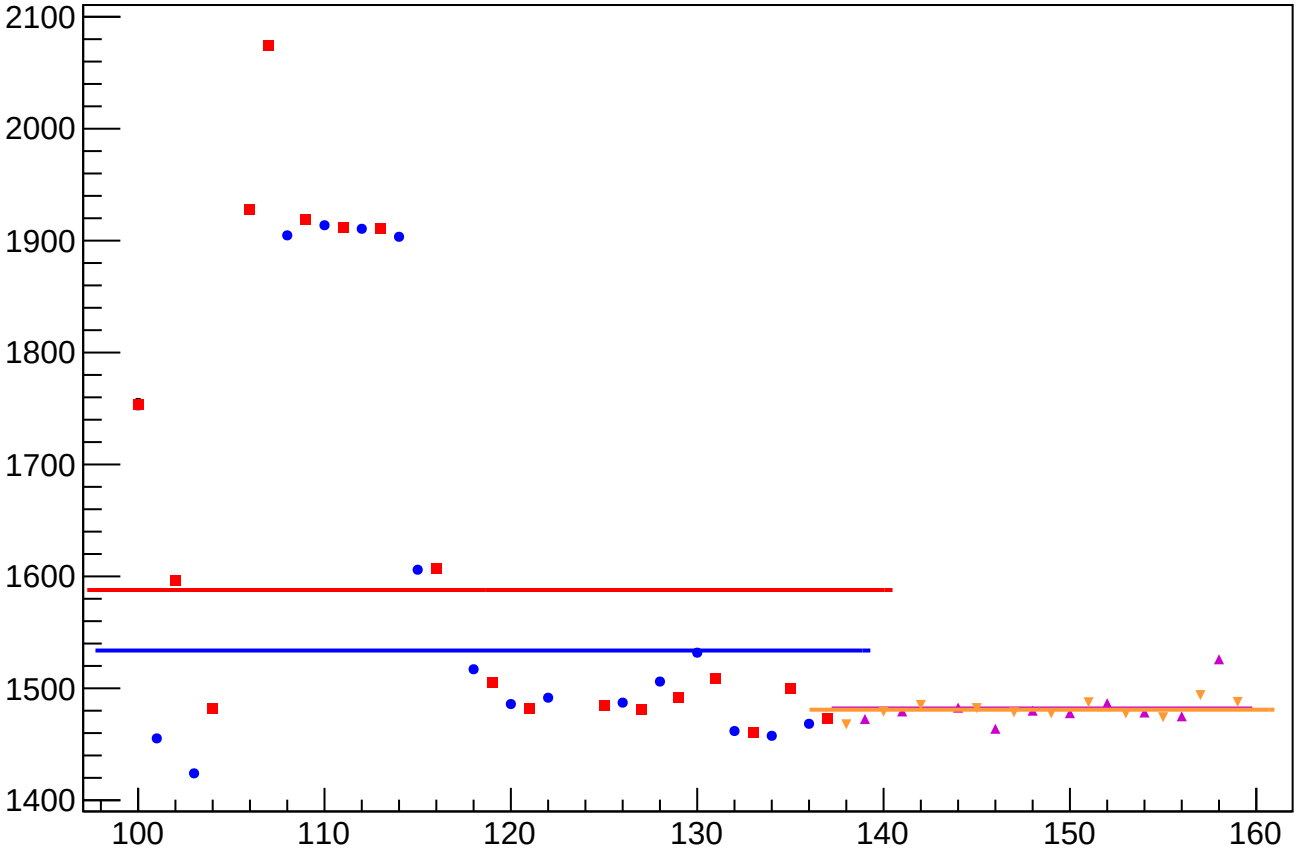
Left In: -1596.635+/-501.745 χ^2/NDF:22.2/9

+ sign 1929.518+/-377.002 χ^2/NDF: 22.6/26

All: 169.517+/-268.378 χ^2/NDF: 105.2/54

- sign -1638.776+/-382.139 χ^2/NDF: 38.3/27

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

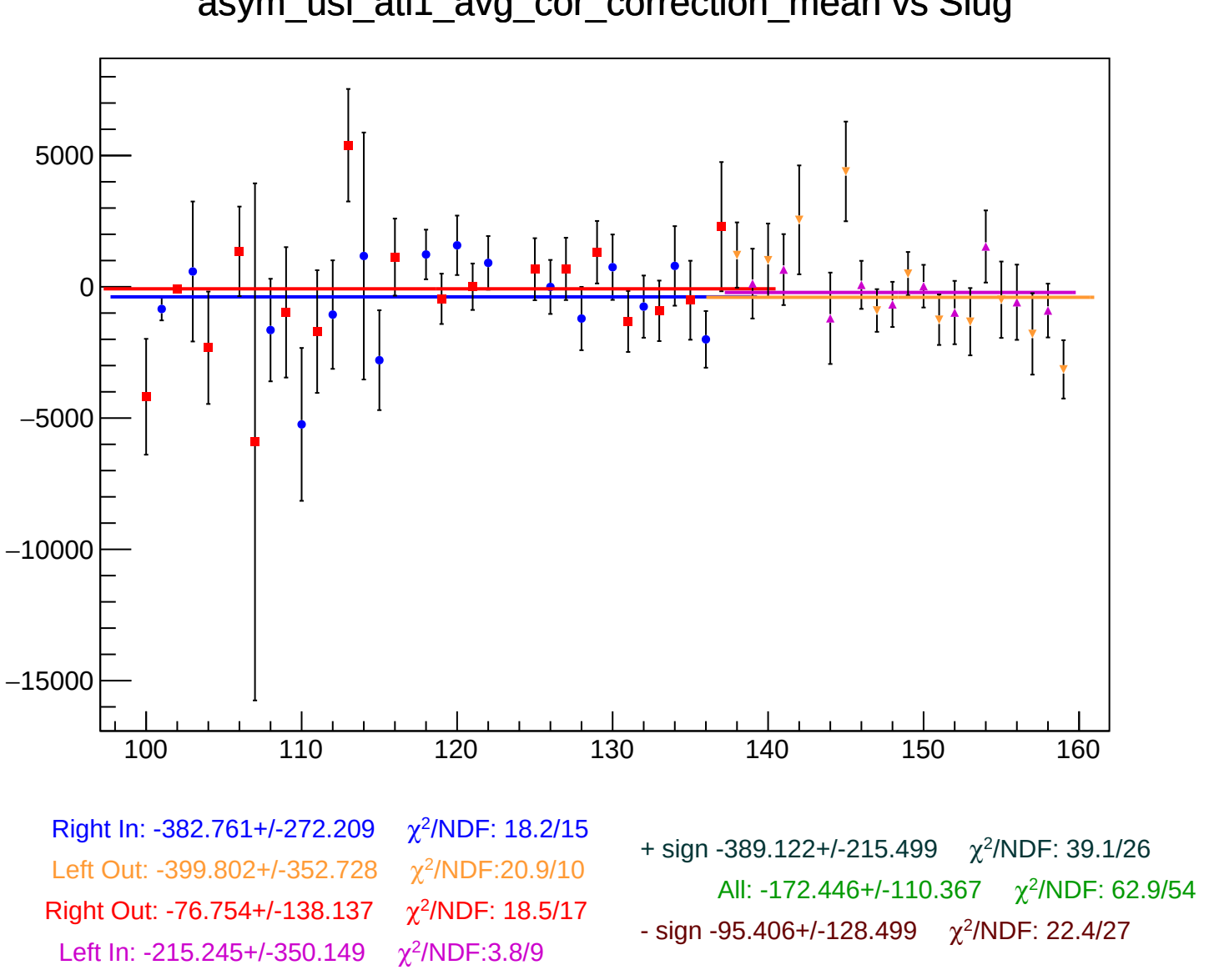
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

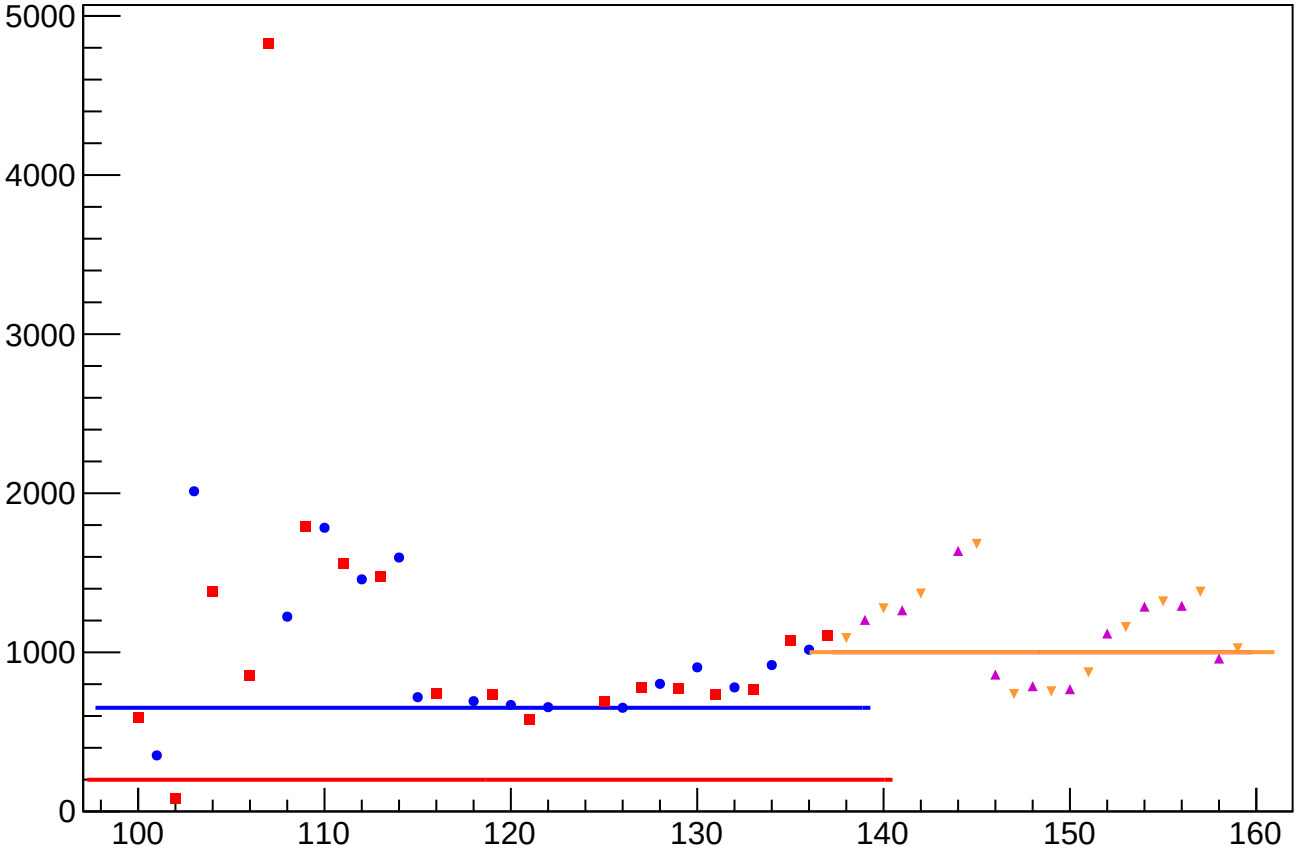
+ sign 1503.849+/-0.267 χ^2/NDF: 139322.1/26

All: 1514.990+/-0.190 χ^2/NDF: 355920.0/54

- sign 1526.436+/-0.270 χ^2/NDF: 213057.3/27


asym_usl_atl1_avg_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -382.761+/-272.209 χ²/NDF: 18.2/15
Left Out: -399.802+/-352.728 χ²/NDF:20.9/10
Right Out: -76.754+/-138.137 χ²/NDF: 18.5/17
Left In: -215.245+/-350.149 χ²/NDF:3.8/9
+ sign -389.122+/-215.499 χ²/NDF: 39.1/26
All: -172.446+/-110.367 χ²/NDF: 62.9/54
- sign -95.406+/-128.499 χ²/NDF: 22.4/27

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

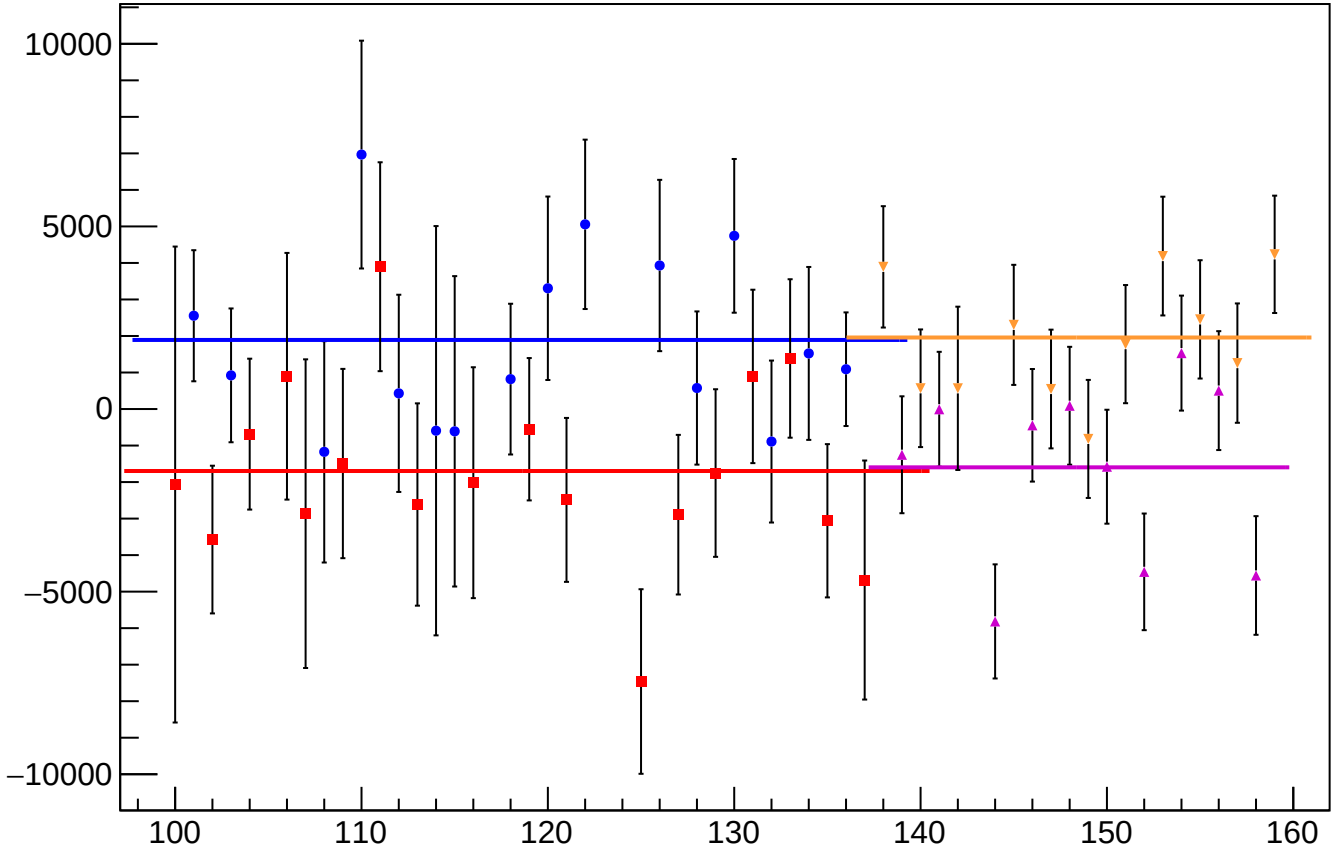
Left In: 1000.868+/-0.248 χ^2/NDF:915659.8/9

+ sign 782.053+/-0.152 χ^2/NDF: 5072469.5/26

All: 431.818+/-0.078 χ^2/NDF: 31502436.3/54

- sign 307.290+/-0.091 χ^2/NDF: 19268959.9/27

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

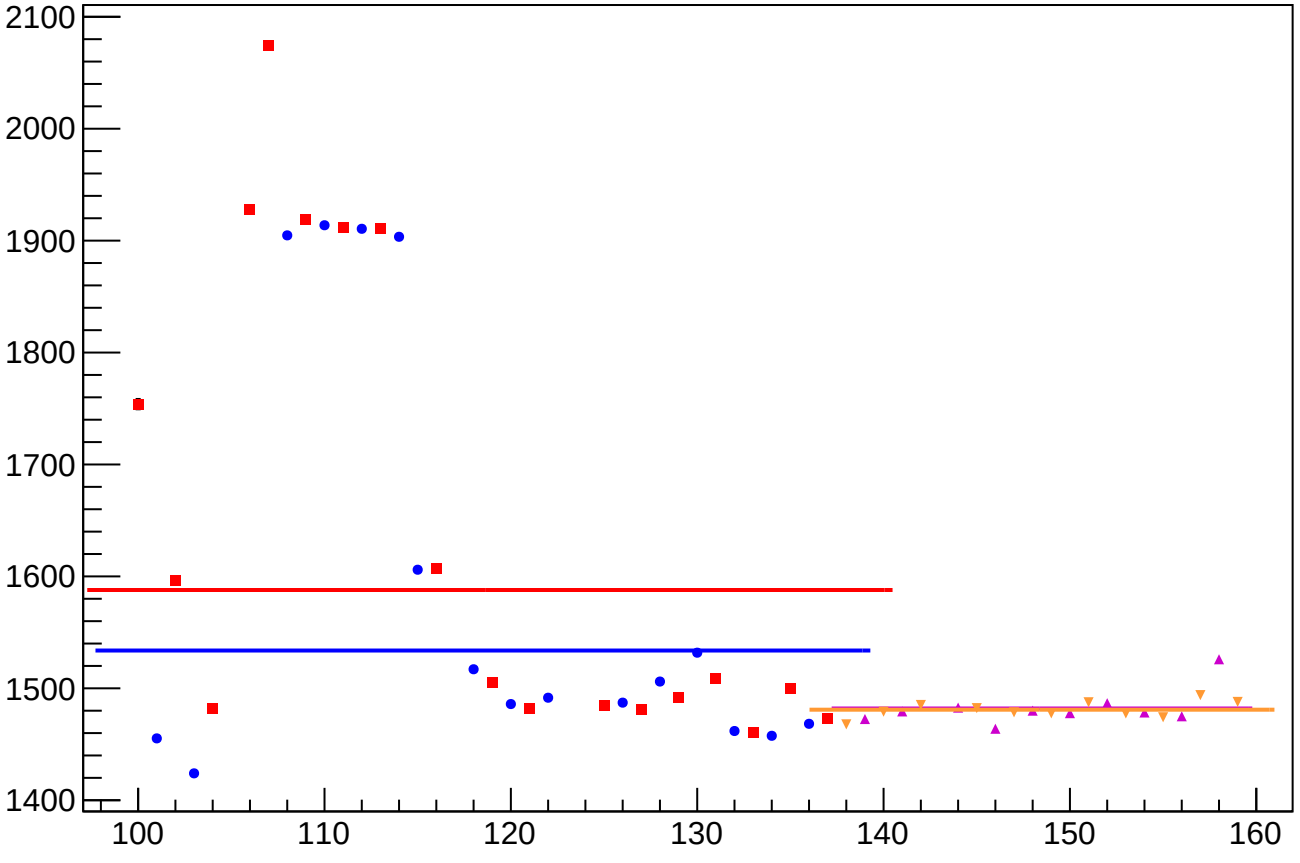
Left In: -1596.635+/-501.745 χ^2/NDF:22.2/9

+ sign 1929.518+/-377.002 χ^2/NDF: 22.6/26

All: 169.517+/-268.378 χ^2/NDF: 105.2/54

- sign -1638.776+/-382.139 χ^2/NDF: 38.3/27

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

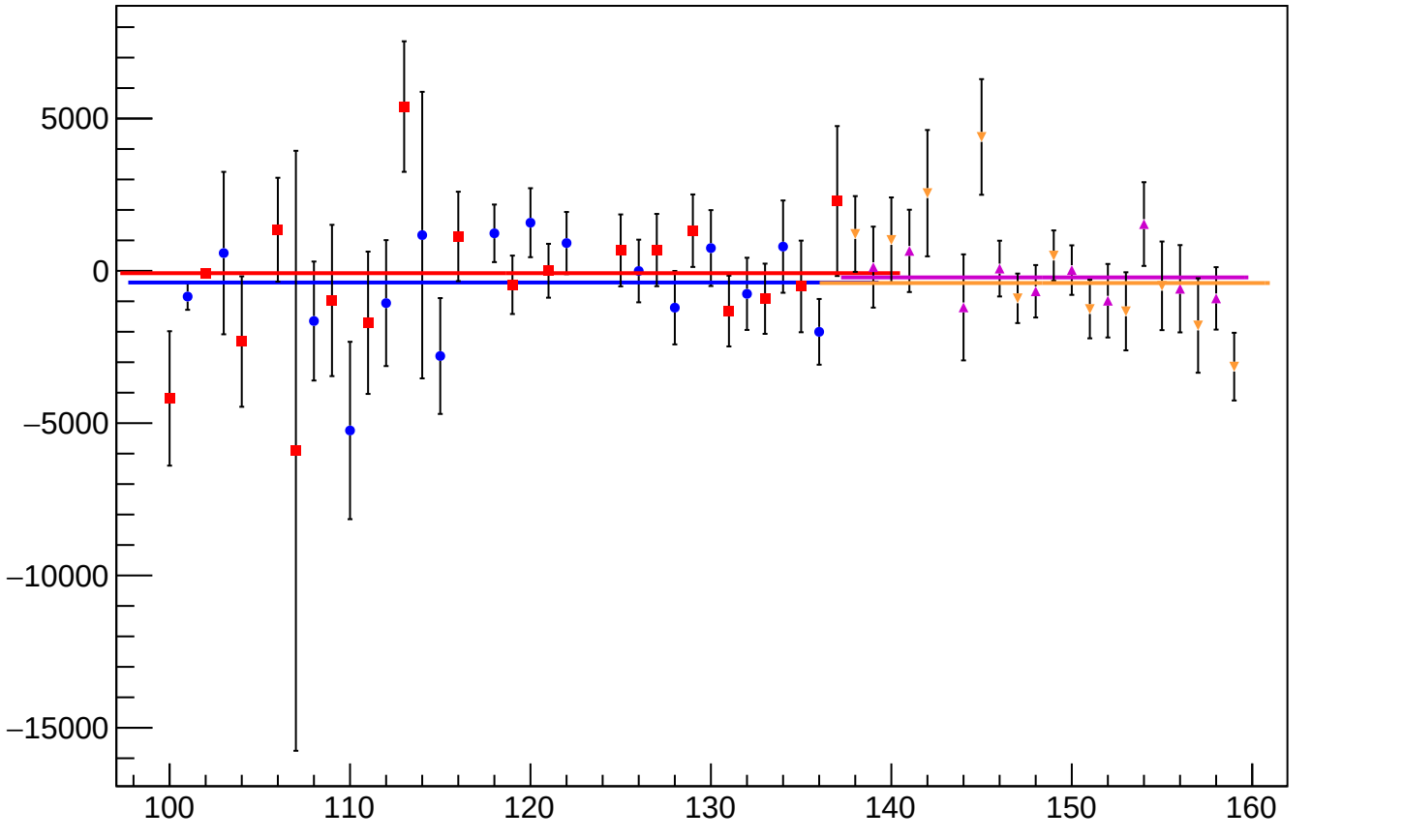
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.978+/-0.355 χ^2/NDF:1898.3/9

+ sign 1503.849+/-0.267 χ^2/NDF: 139322.1/26

All: 1514.990+/-0.190 χ^2/NDF: 355920.0/54

- sign 1526.436+/-0.270 χ^2/NDF: 213057.3/27



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

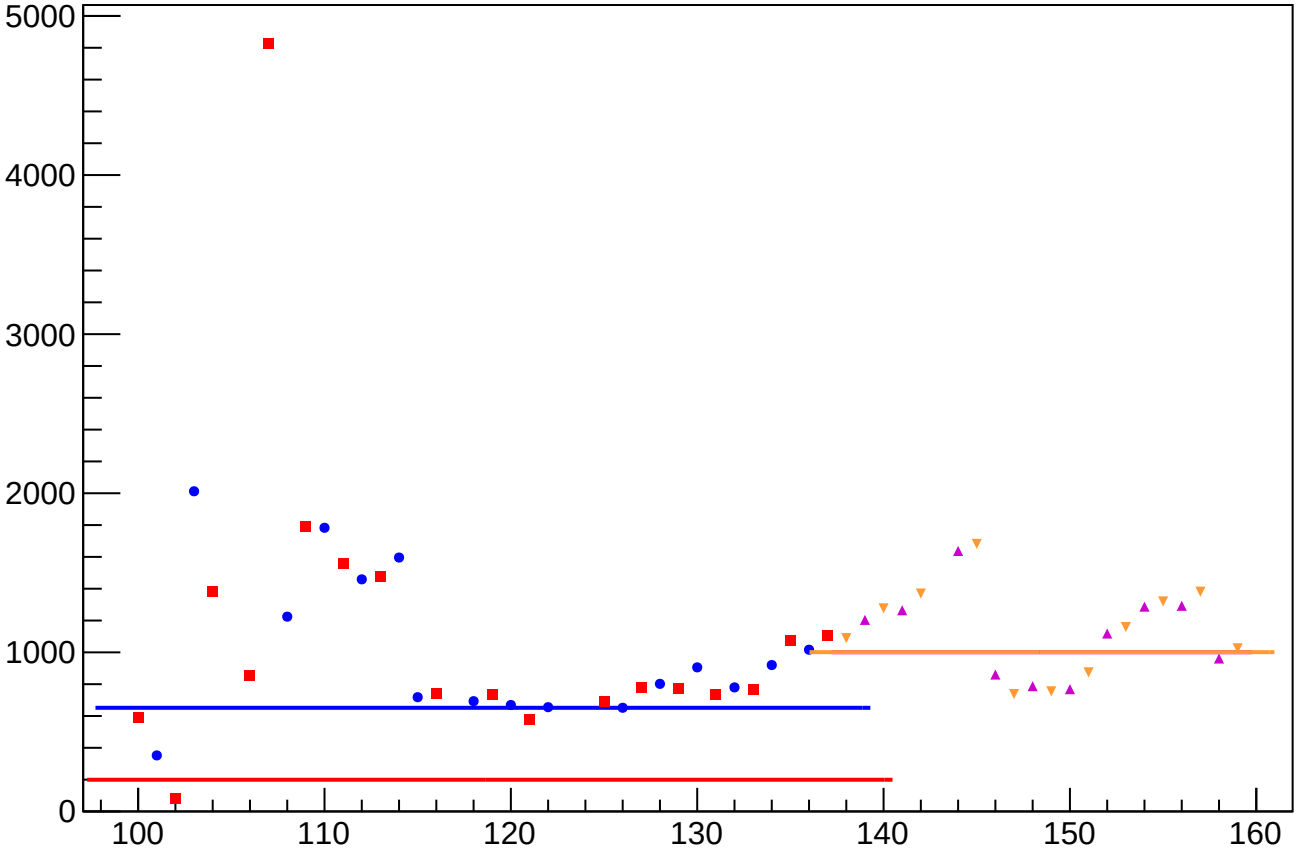
Left In: -215.245+/-350.149 χ^2/NDF:3.8/9

+ sign -389.122+/-215.499 χ^2/NDF: 39.1/26

All: -172.446+/-110.367 χ^2/NDF: 62.9/54

- sign -95.406+/-128.499 χ^2/NDF: 22.4/27

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

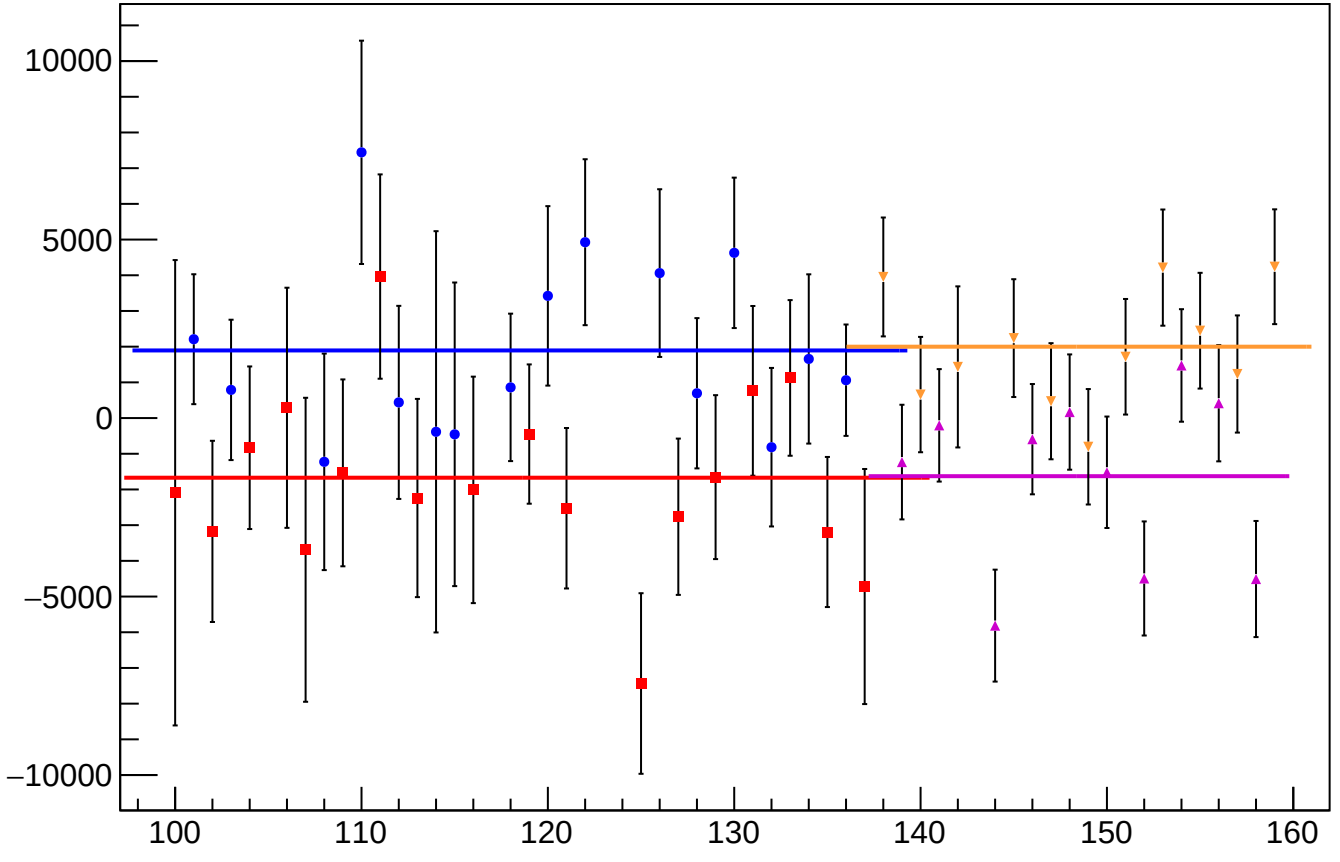
Left In: 1000.868+/-0.248 χ^2/NDF:915659.8/9

+ sign 782.053+/-0.152 χ^2/NDF: 5072469.5/26

All: 431.818+/-0.078 χ^2/NDF: 31502436.3/54

- sign 307.290+/-0.091 χ^2/NDF: 19268959.9/27

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

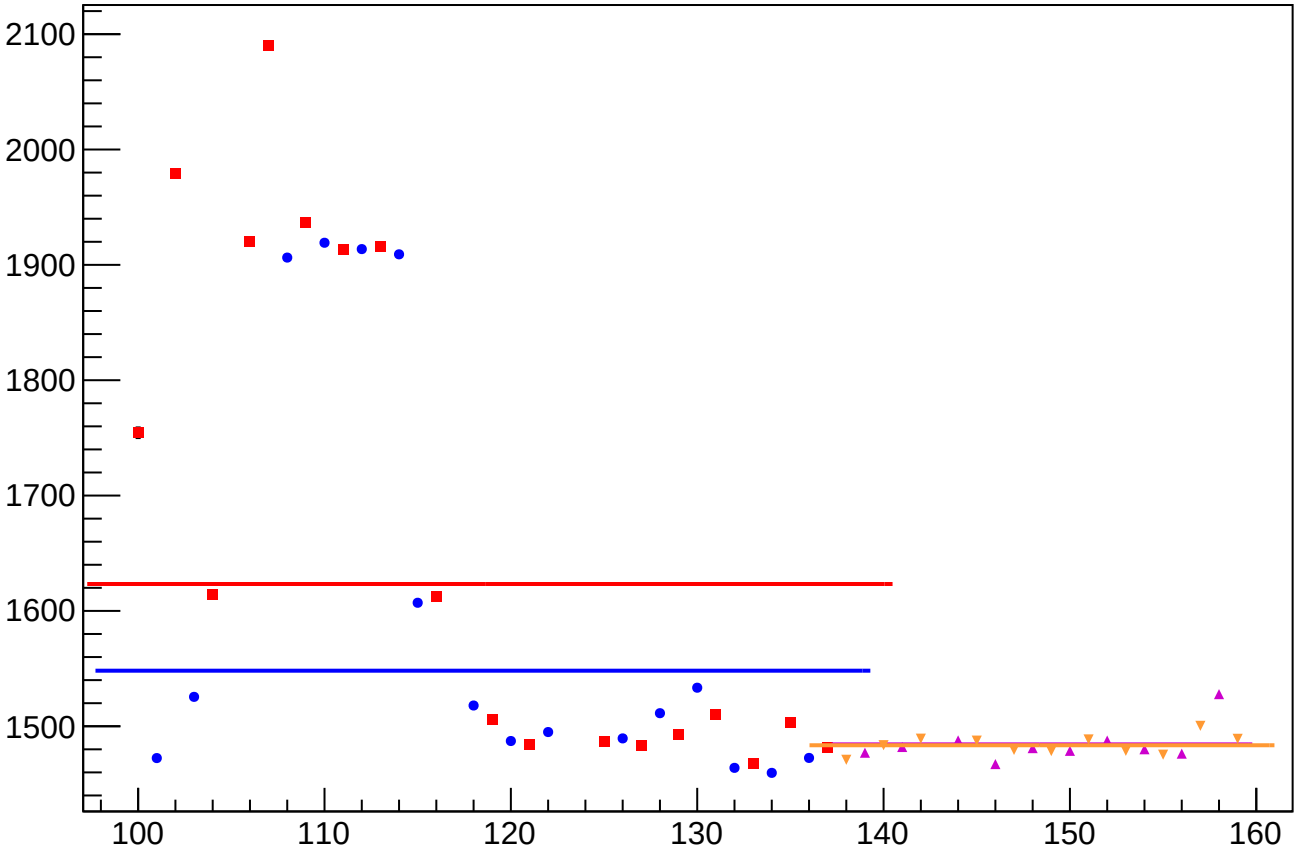
Left In: -1628.030+/-502.541 χ^2/NDF:21.5/9

+ sign 1954.025+/-378.983 χ^2/NDF: 22.5/26

All: 189.727+/-270.610 χ^2/NDF: 103.2/54

- sign -1645.552+/-386.531 χ^2/NDF: 36.5/27

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

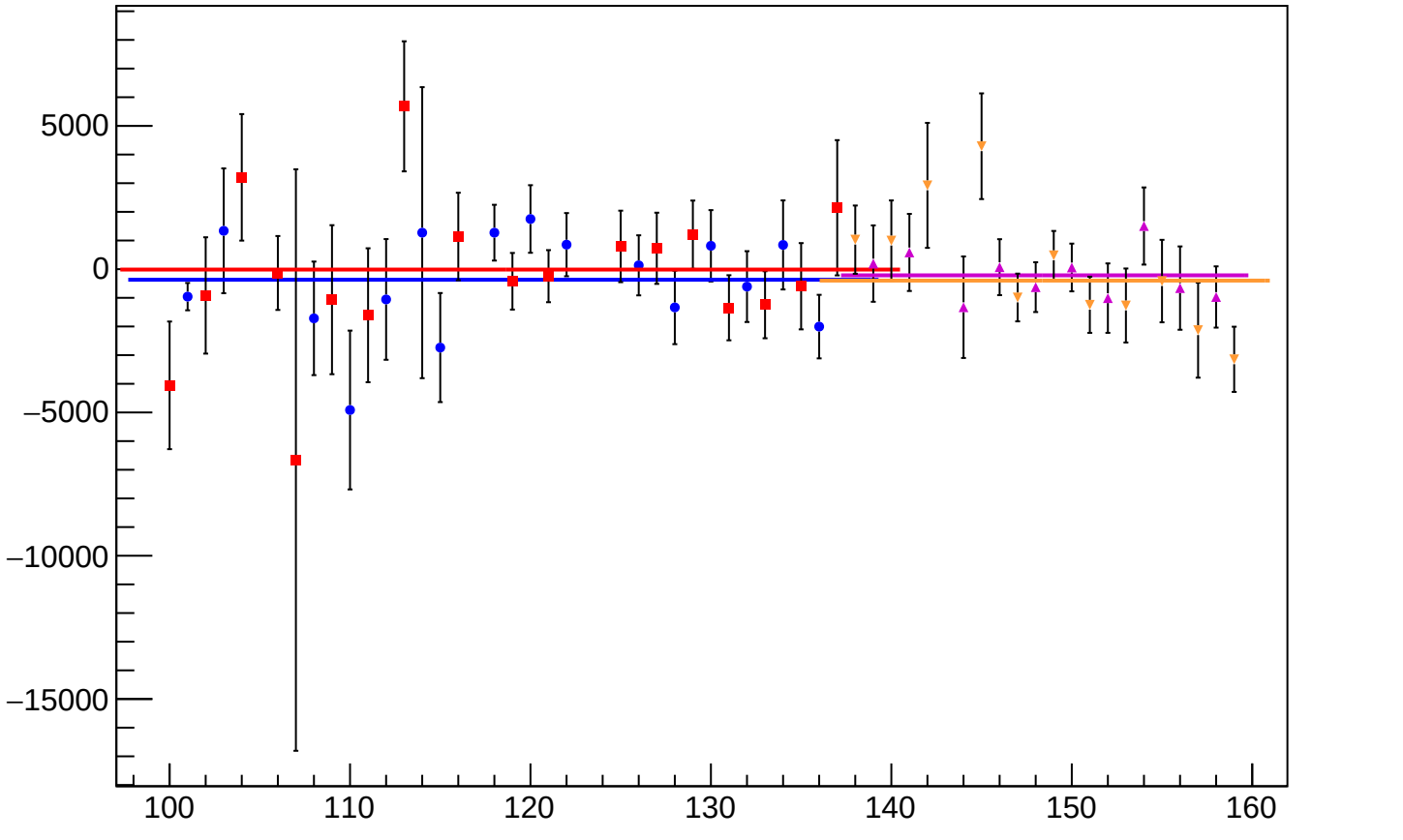
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1484.304+/-0.355 χ^2/NDF:1838.4/9

+ sign 1511.358+/-0.268 χ^2/NDF: 134664.2/26

All: 1525.927+/-0.191 χ^2/NDF: 416580.5/54

- sign 1541.083+/-0.273 χ^2/NDF: 275885.9/27



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

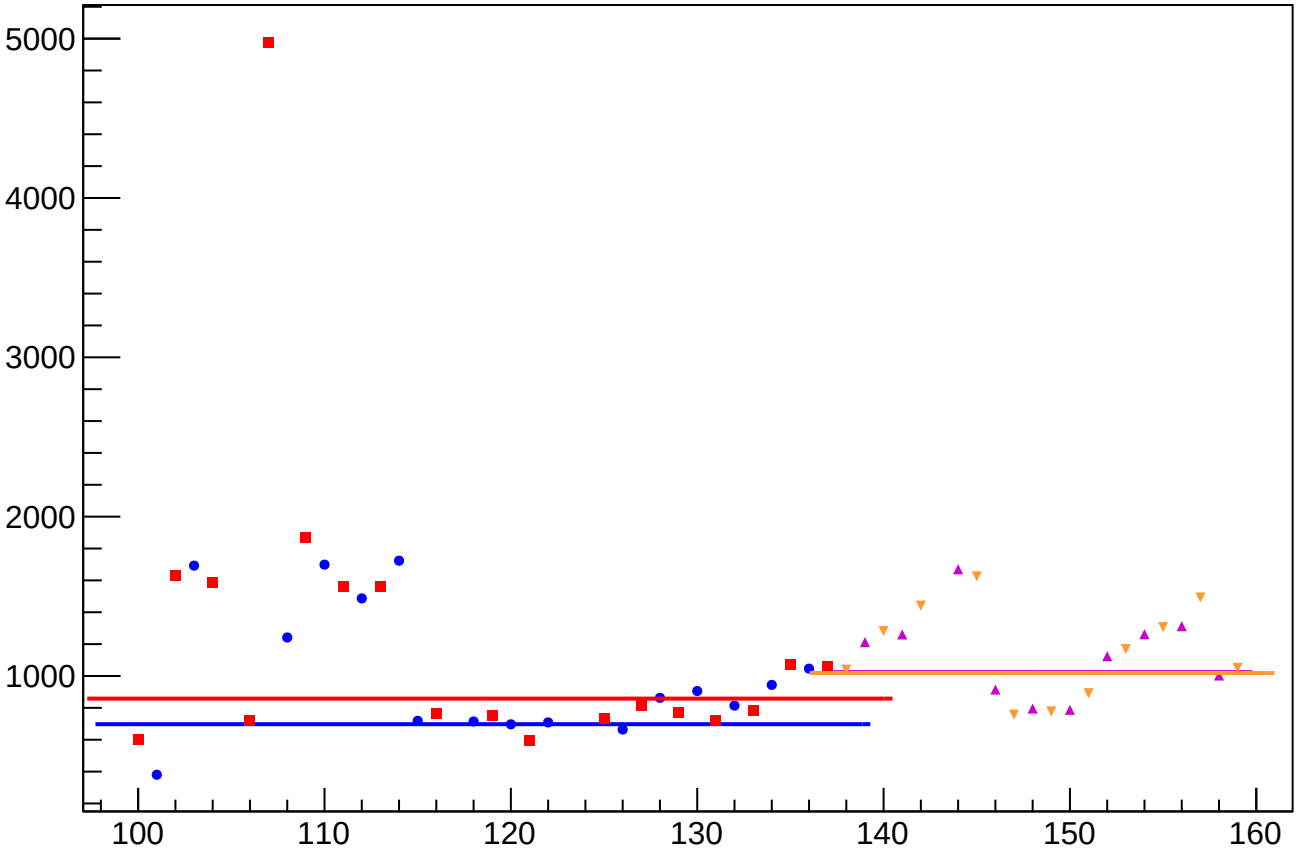
Left In: -215.228+/-357.313 χ^2/NDF:3.9/9

+ sign -380.378+/-223.723 χ^2/NDF: 39.8/26

All: -258.448+/-165.787 χ^2/NDF: 63.6/54

- sign -109.942+/-246.904 χ^2/NDF: 23.2/27

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

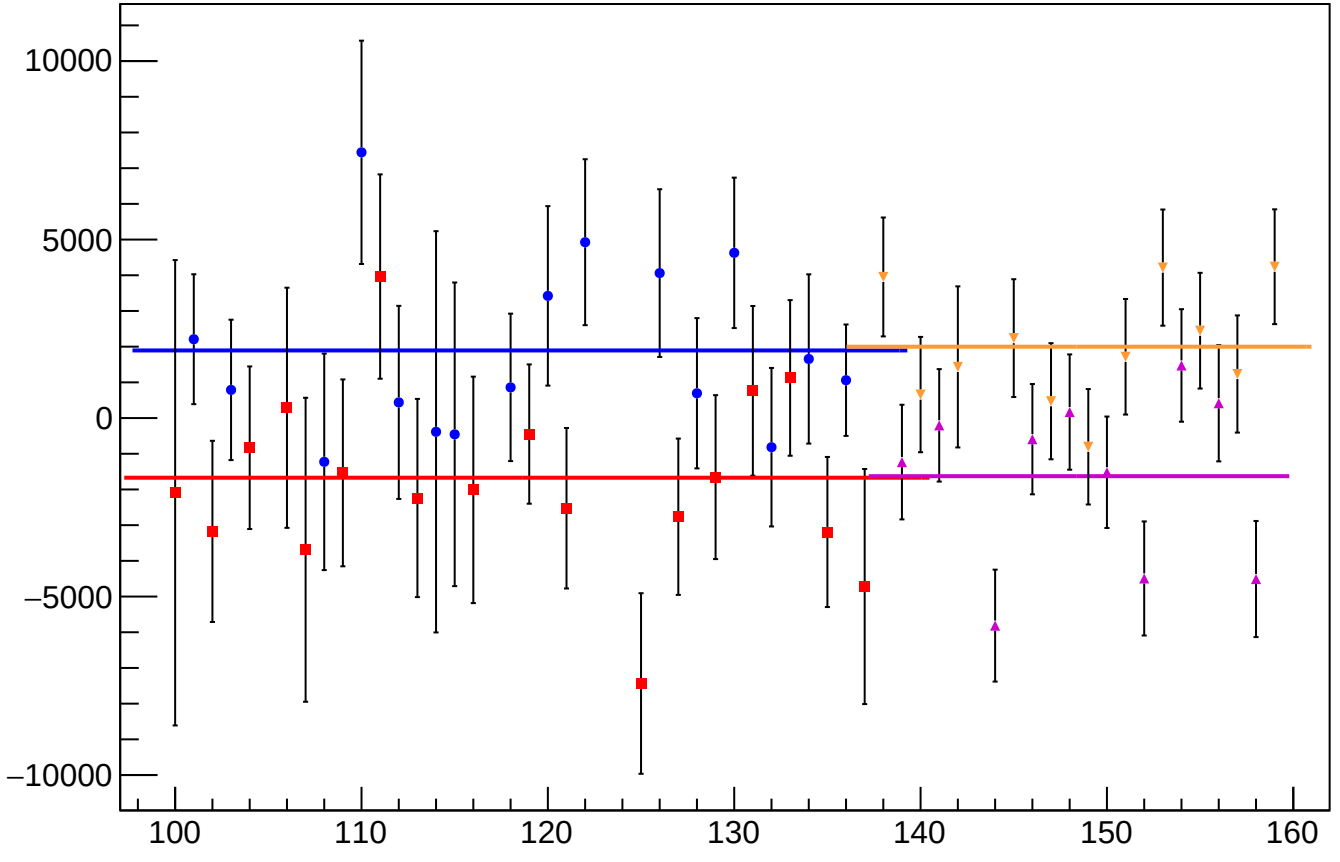
Left In: 1024.406+/-0.253 χ^2/NDF:847809.7/9

+ sign 822.914+/-0.158 χ^2/NDF: 4441824.4/26

All: 874.579+/-0.117 χ^2/NDF: 7634770.8/54

- sign 937.506+/-0.175 χ^2/NDF: 2956372.5/27

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

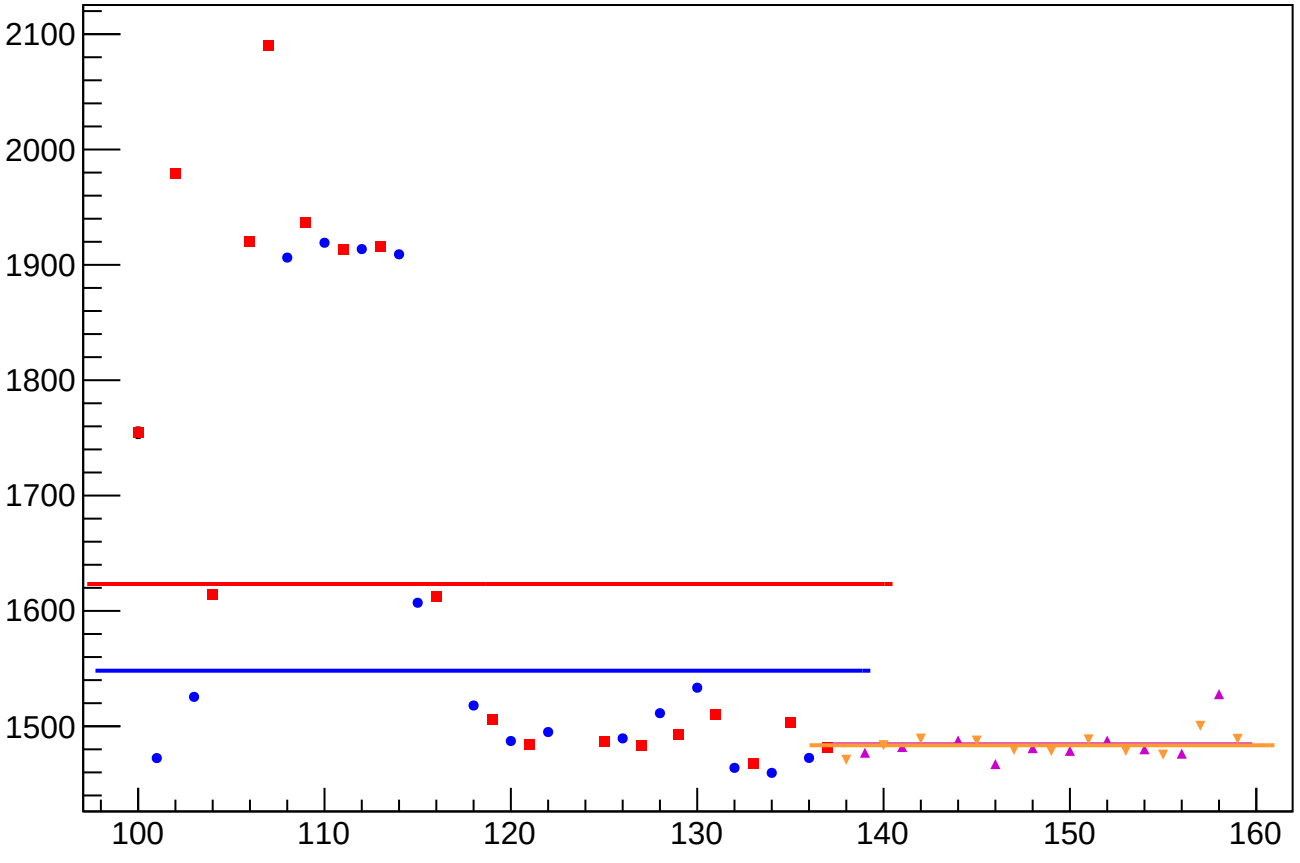
Left In: -1628.031+/-502.541 χ^2/NDF:21.5/9

+ sign 1954.023+/-378.983 χ^2/NDF: 22.5/26

All: 189.726+/-270.610 χ^2/NDF: 103.2/54

- sign -1645.551+/-386.531 χ^2/NDF: 36.5/27

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

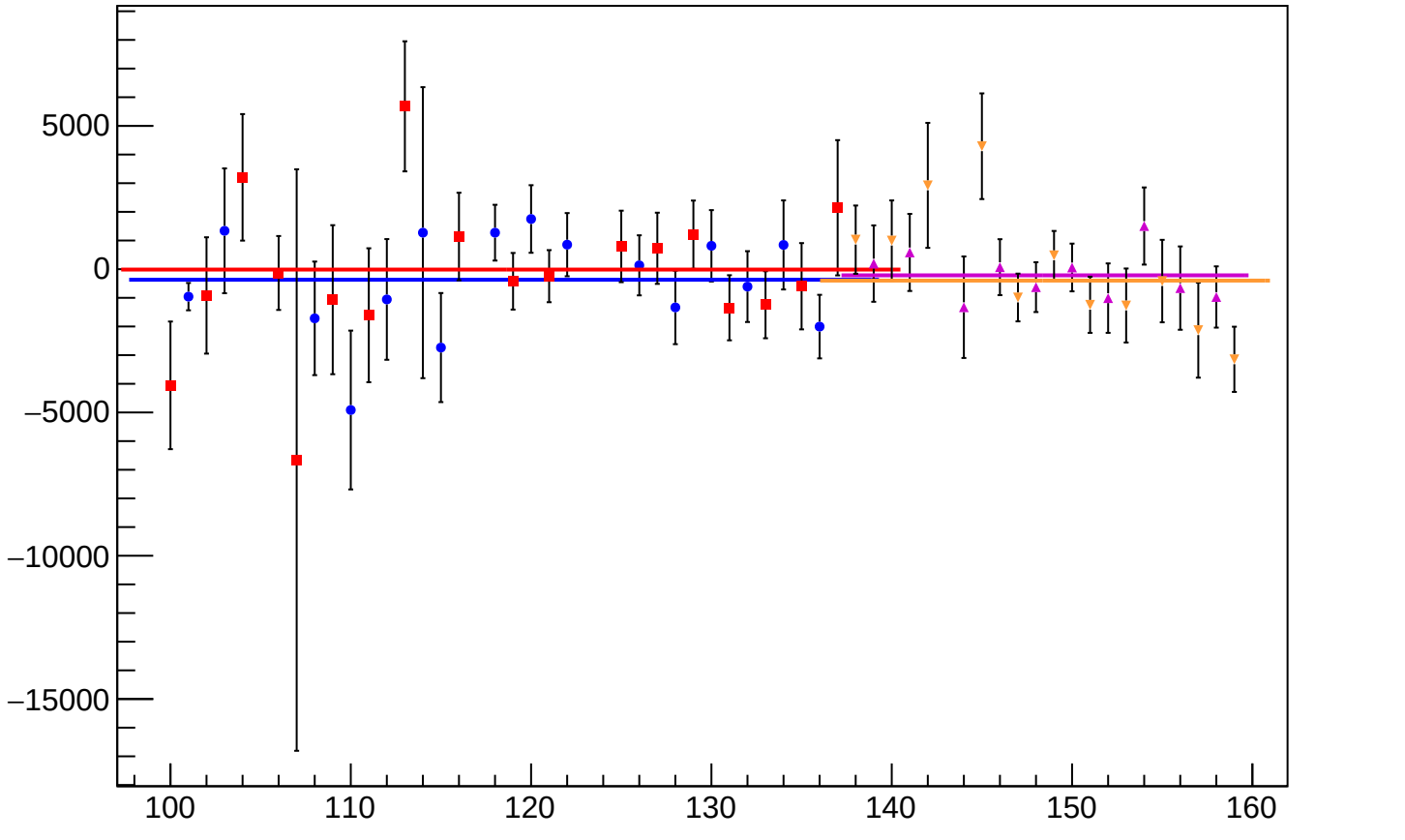
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1484.304+/-0.355 χ^2/NDF:1838.4/9

+ sign 1511.358+/-0.268 χ^2/NDF: 134664.2/26

All: 1525.927+/-0.191 χ^2/NDF: 416580.0/54

- sign 1541.083+/-0.273 χ^2/NDF: 275885.4/27



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

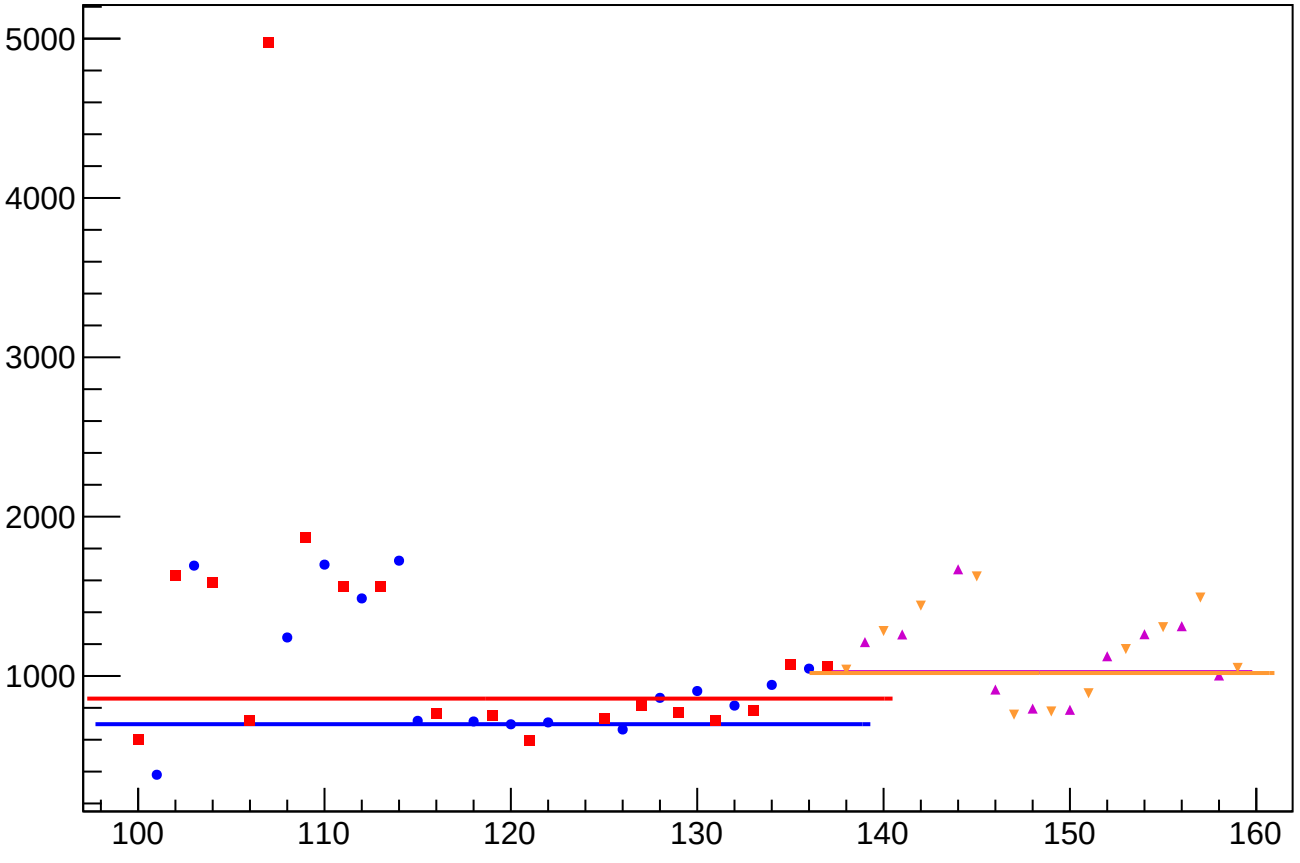
Left In: -215.229+/-357.313 χ^2/NDF:3.9/9

+ sign -380.378+/-223.723 χ^2/NDF: 39.8/26

All: -258.449+/-165.787 χ^2/NDF: 63.6/54

- sign -109.942+/-246.904 χ^2/NDF: 23.2/27

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

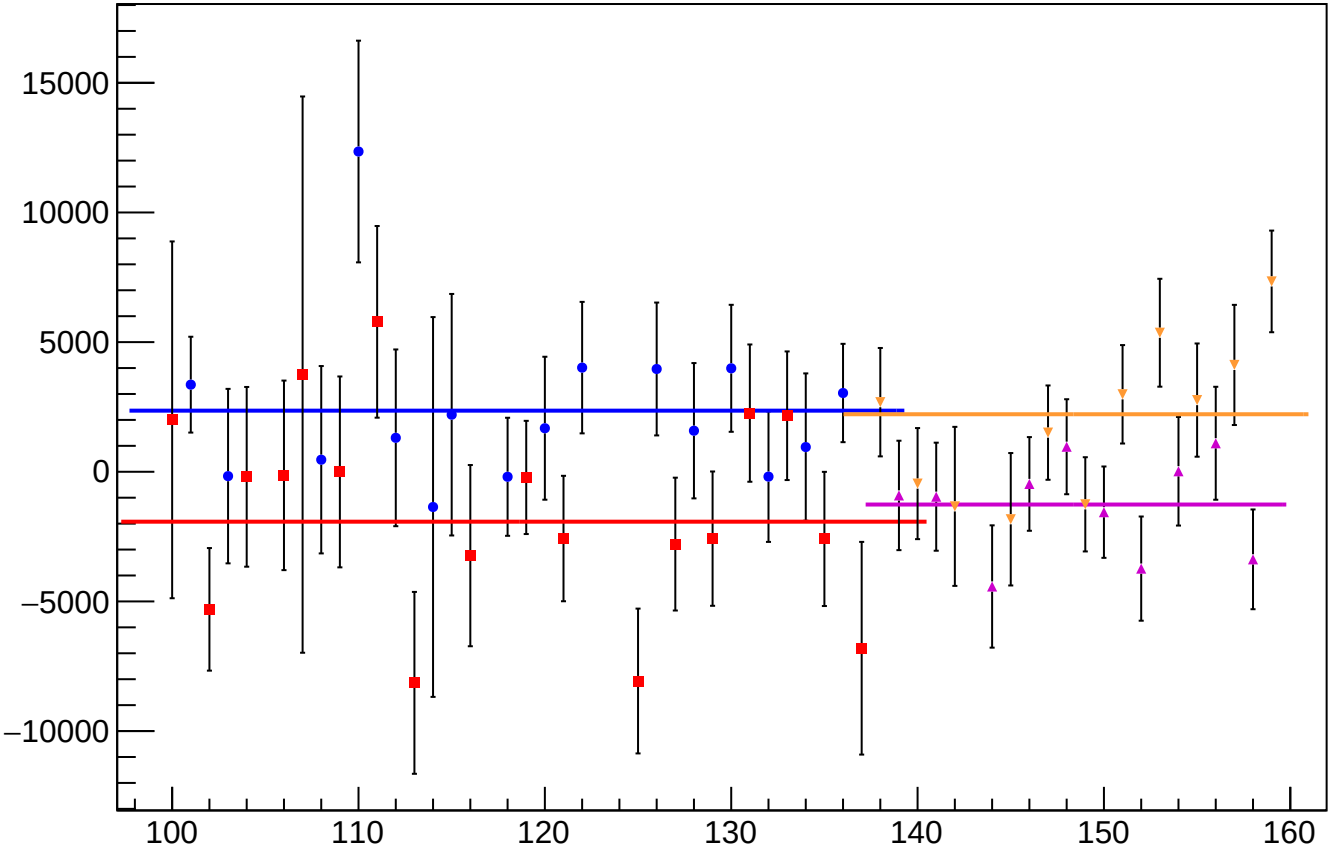
Left In: 1024.408+/-0.253 χ^2/NDF:847806.0/9

+ sign 822.914+/-0.158 χ^2/NDF: 4441823.4/26

All: 874.579+/-0.117 χ^2/NDF: 7634781.7/54

- sign 937.506+/-0.175 χ^2/NDF: 2956387.5/27

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

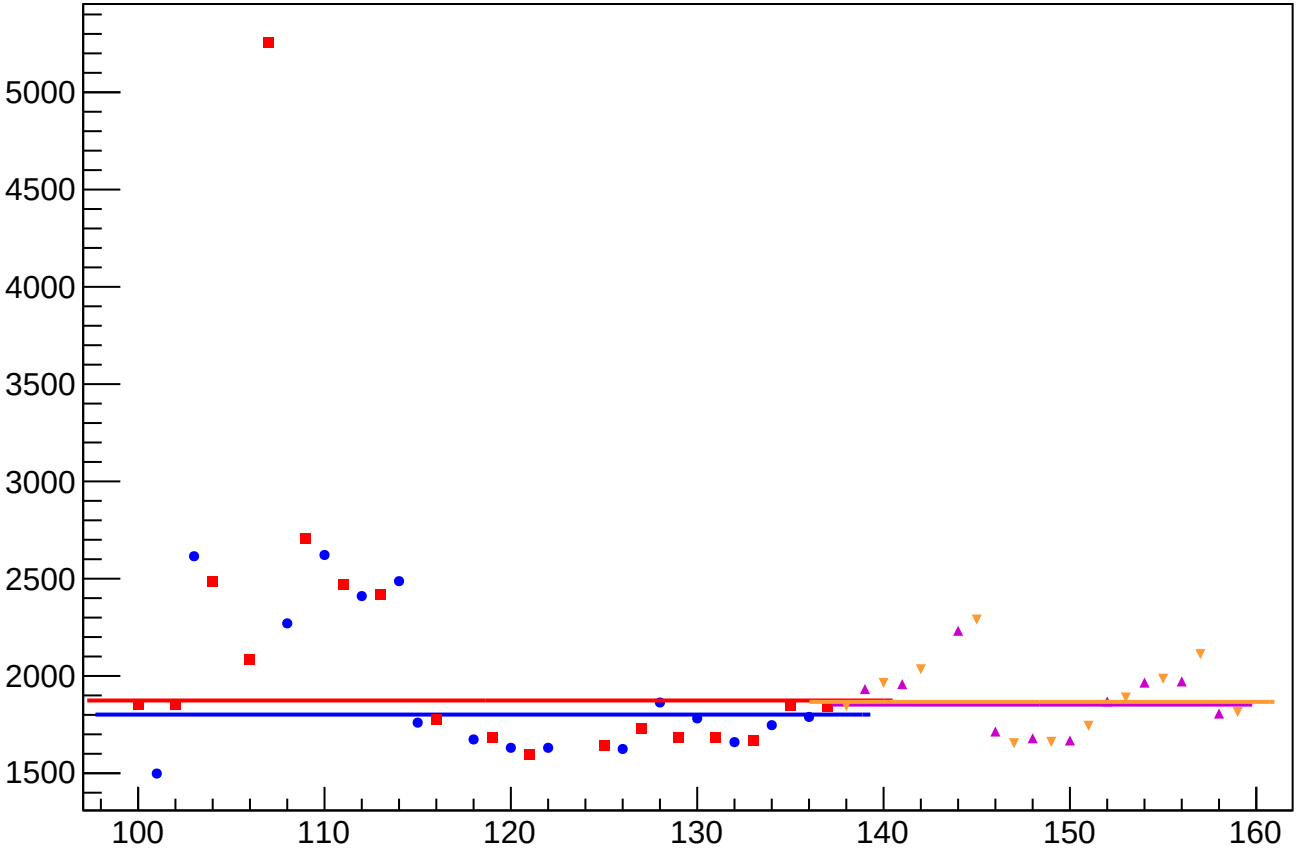
Left In: -1263.428+/-630.161 χ^2/NDF:7.8/9

+ sign 2283.184+/-463.932 χ^2/NDF: 30.3/26

All: 389.858+/-330.300 χ^2/NDF: 95.8/54

- sign -1556.333+/-470.364 χ^2/NDF: 31.7/27

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

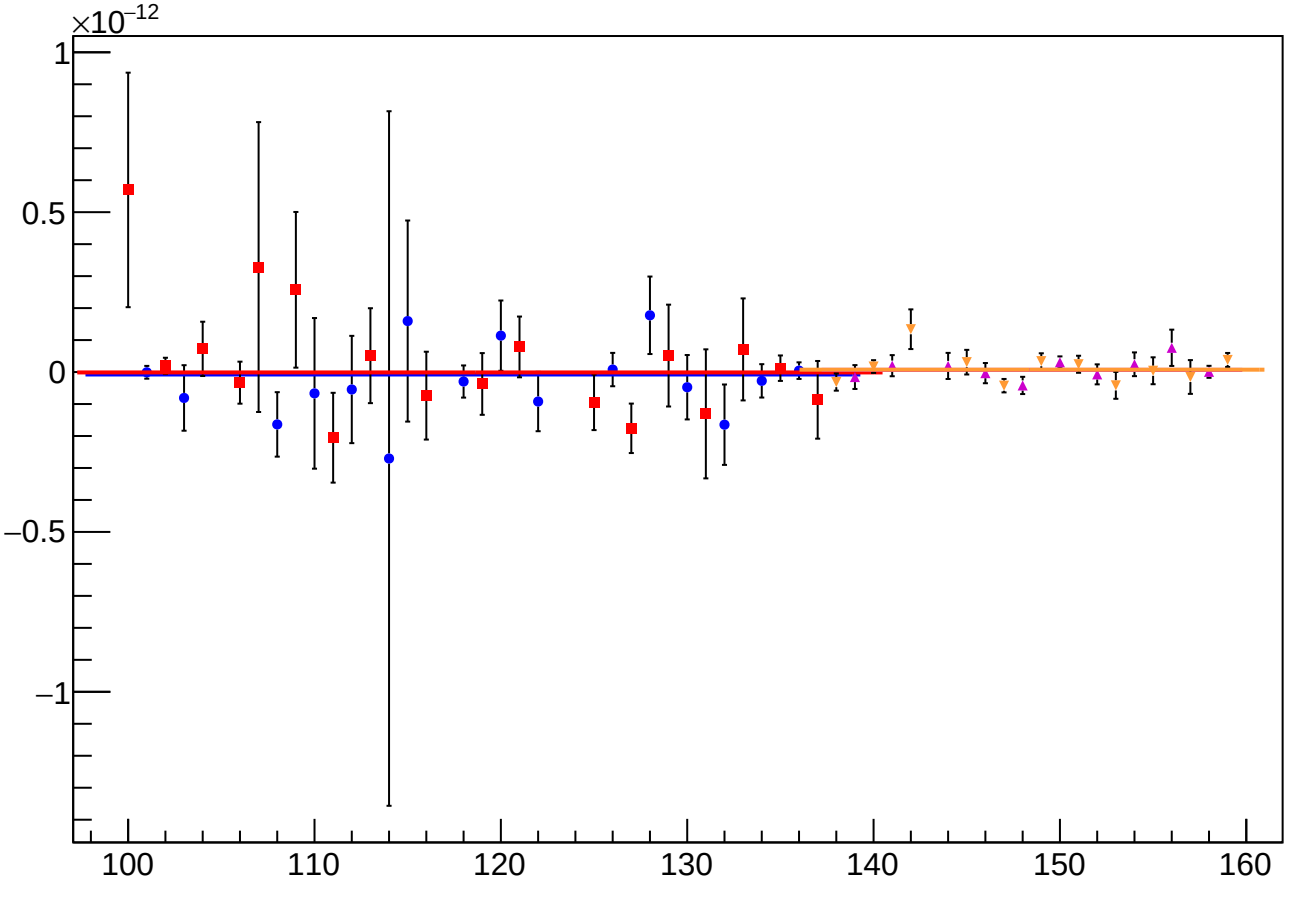
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1852.732+/-0.446 χ^2/NDF:124279.9/9

+ sign 1836.381+/-0.328 χ^2/NDF: 567146.8/26

All: 1849.083+/-0.234 χ^2/NDF: 1265382.9/54

- sign 1862.140+/-0.333 χ^2/NDF: 695195.5/27



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/10

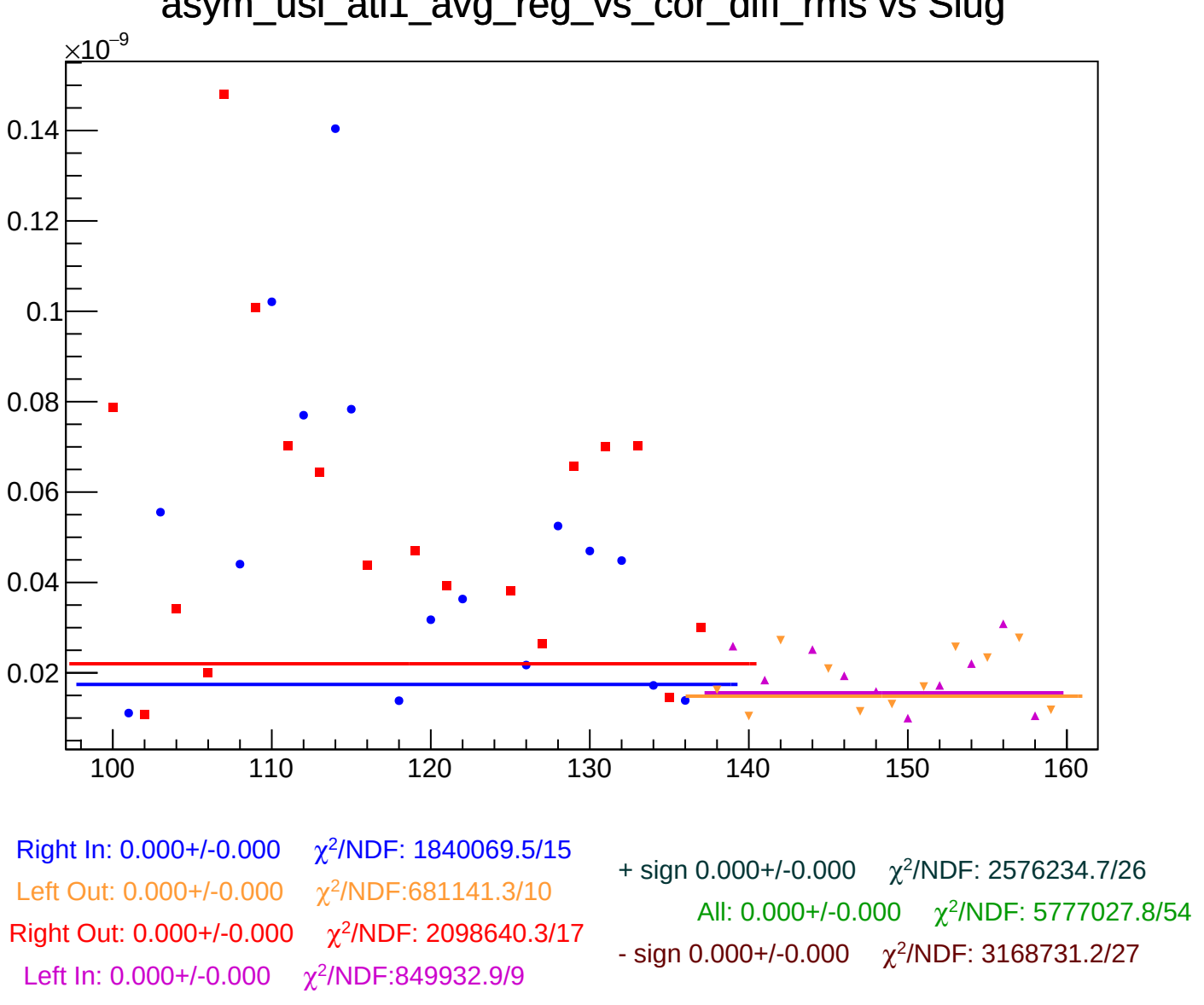
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:7.7/9

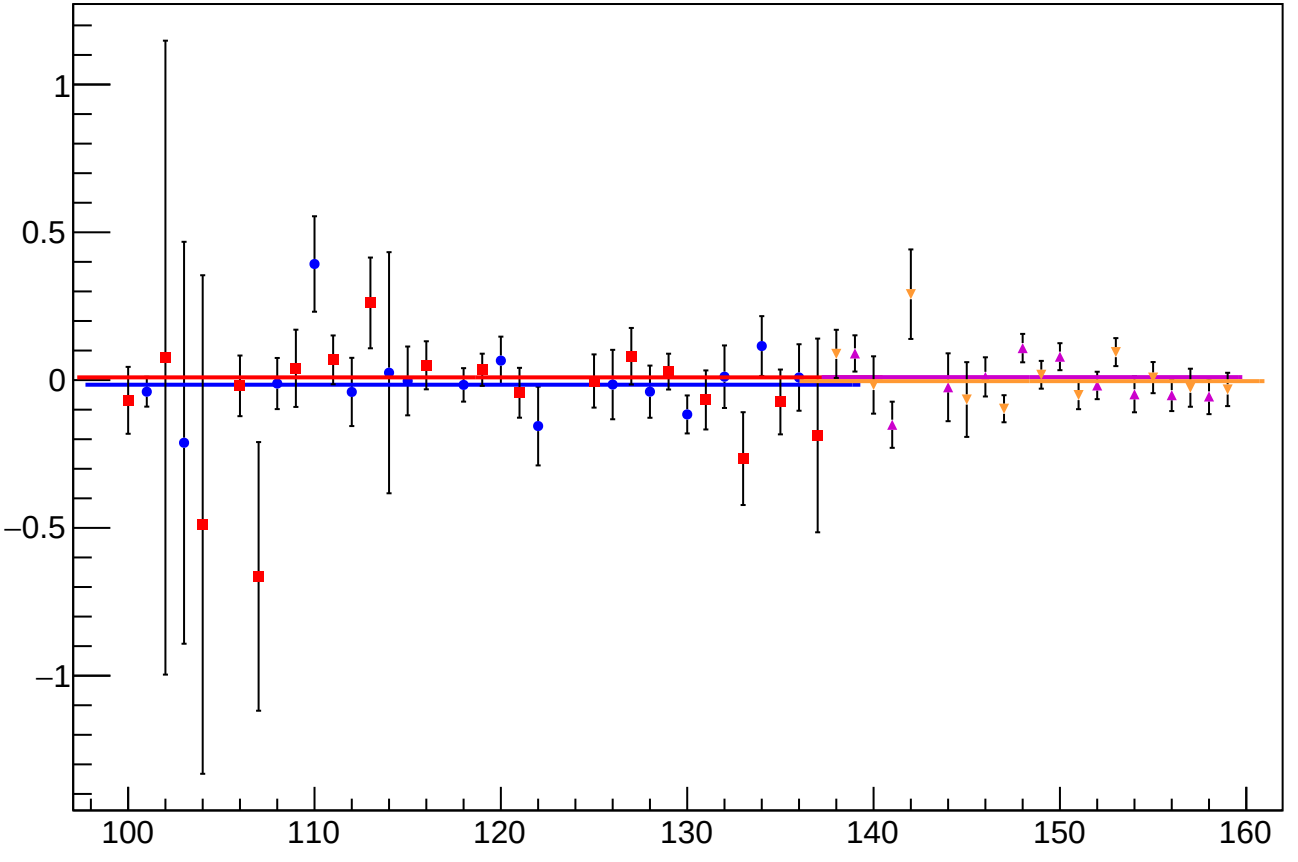
+ sign 0.000+/-0.000 χ^2/NDF: 28.8/26

All: 0.000+/-0.000 χ^2/NDF: 53.3/54

- sign 0.000+/-0.000 χ^2/NDF: 24.5/27


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:849932.9/9
+ sign 0.000+/-0.000 χ²/NDF: 2576234.7/26
All: 0.000+/-0.000 χ²/NDF: 5777027.8/54
- sign 0.000+/-0.000 χ²/NDF: 3168731.2/27

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

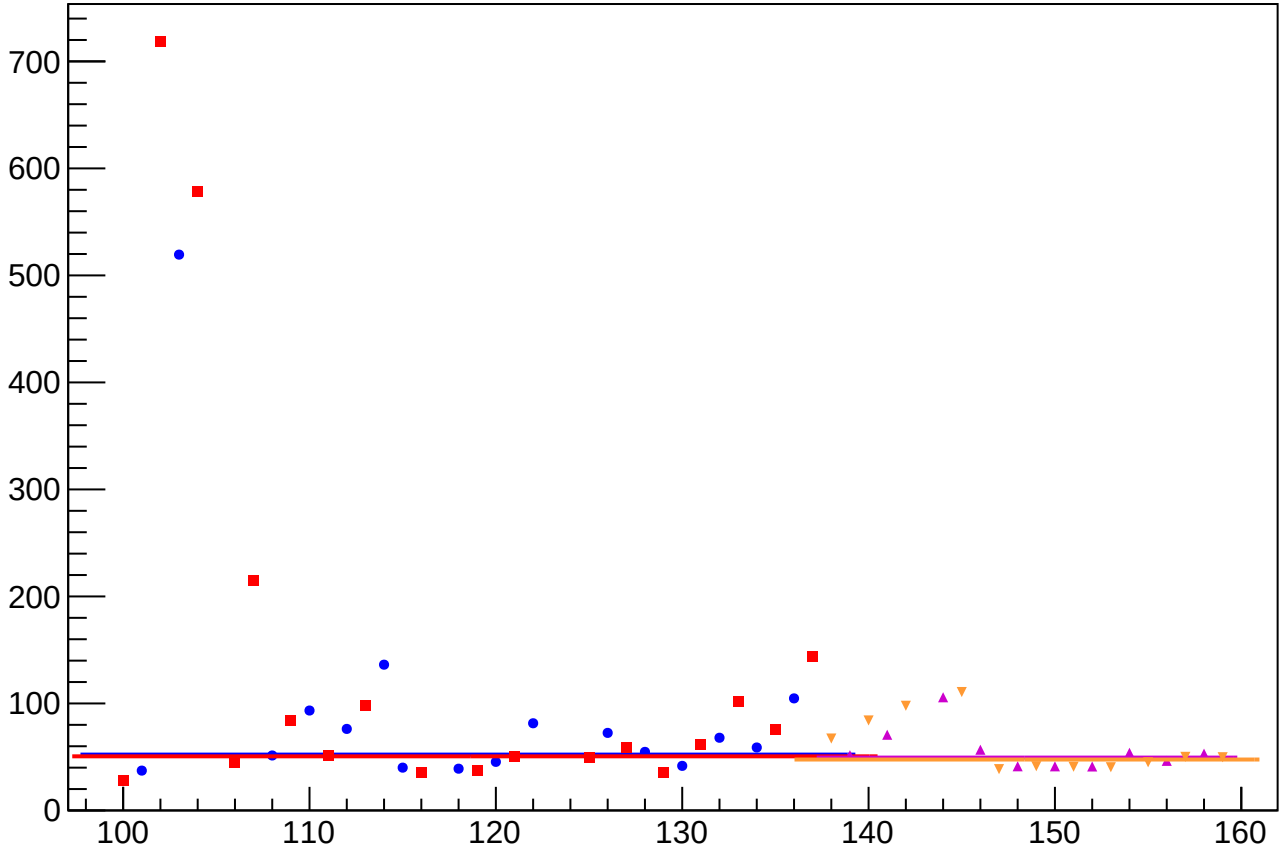
Left In: 0.010+/-0.018 χ^2/NDF:16.3/9

+ sign -0.008+/-0.014 χ^2/NDF: 28.7/26

All: 0.001+/-0.010 χ^2/NDF: 58.3/54

- sign 0.010+/-0.014 χ^2/NDF: 28.8/27

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

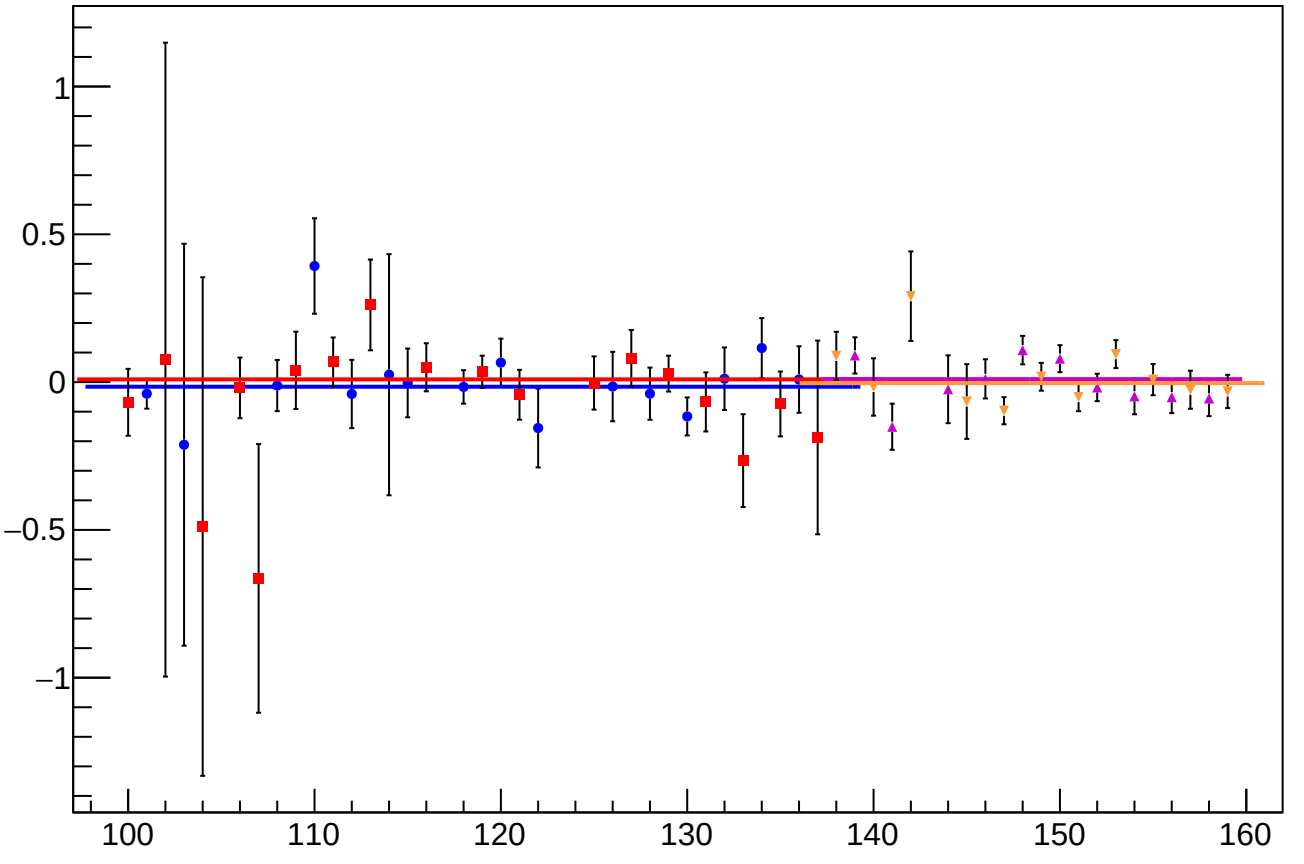
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.395+/-0.013 χ^2/NDF:868960.1/9

+ sign 49.370+/-0.010 χ^2/NDF: 3644291.3/26

All: 49.599+/-0.007 χ^2/NDF: 7568881.4/54

- sign 49.839+/-0.010 χ^2/NDF: 3923504.7/27



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

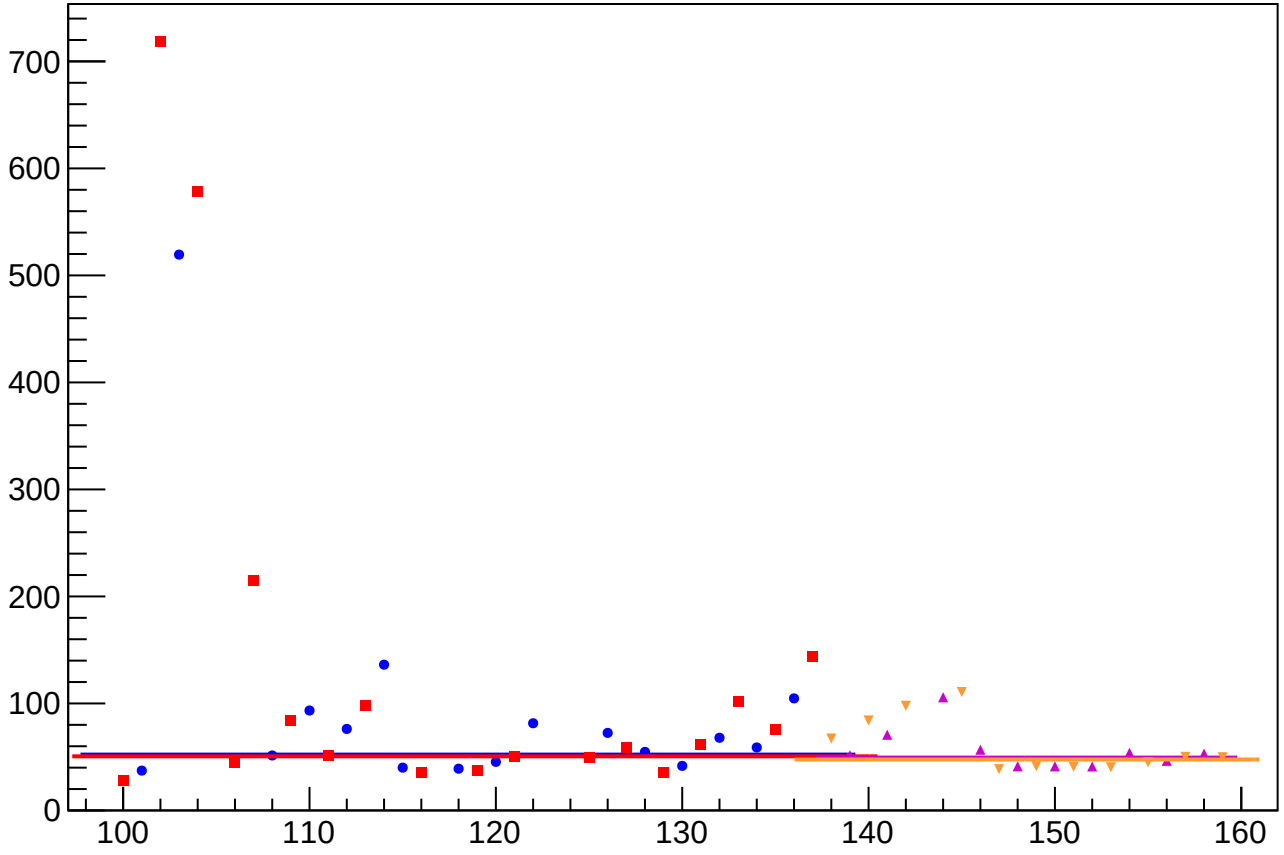
Left In: 0.010+/-0.018 χ^2/NDF:16.3/9

+ sign -0.008+/-0.014 χ^2/NDF: 28.7/26

All: 0.001+/-0.010 χ^2/NDF: 58.3/54

- sign 0.010+/-0.014 χ^2/NDF: 28.8/27

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

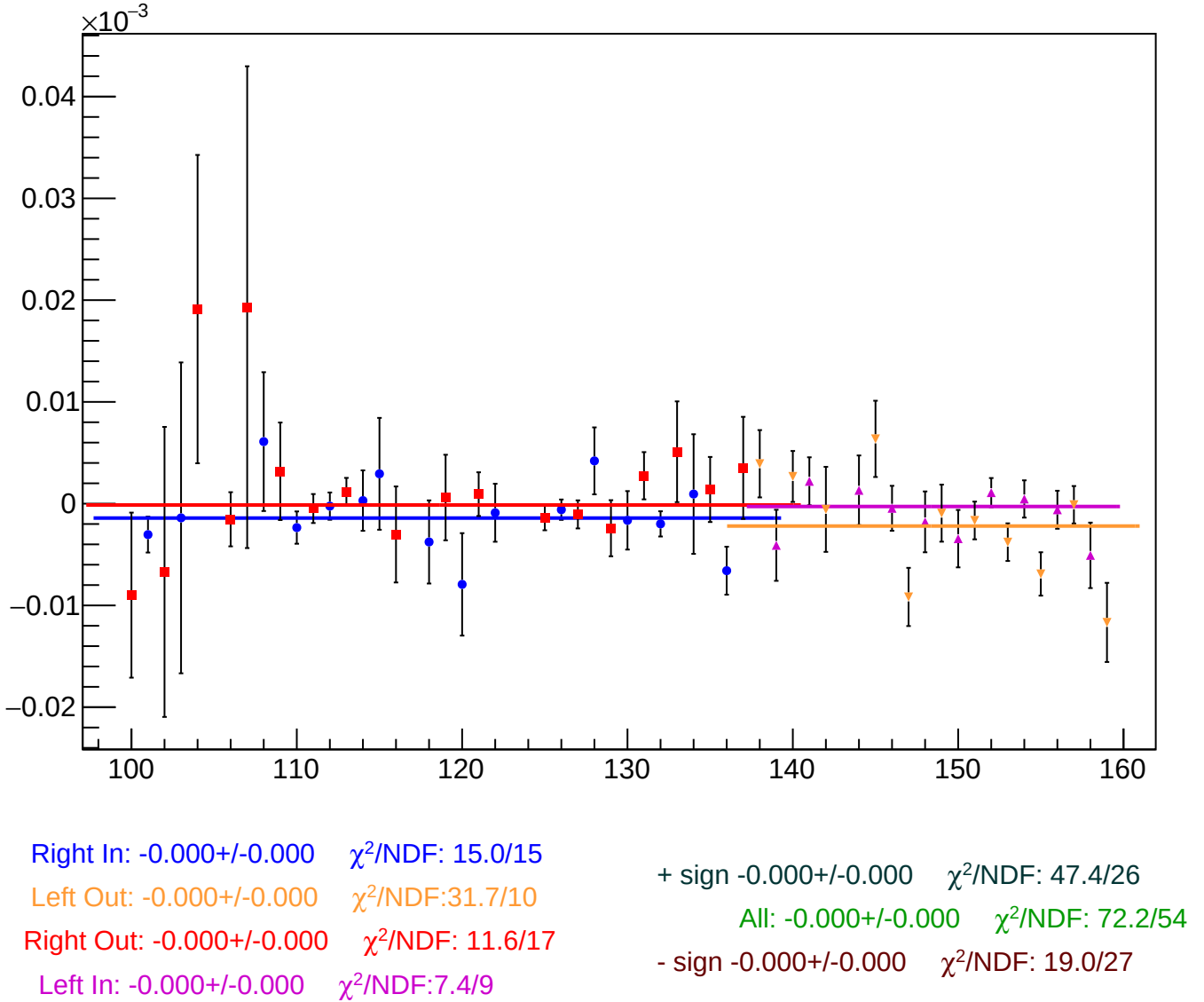
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

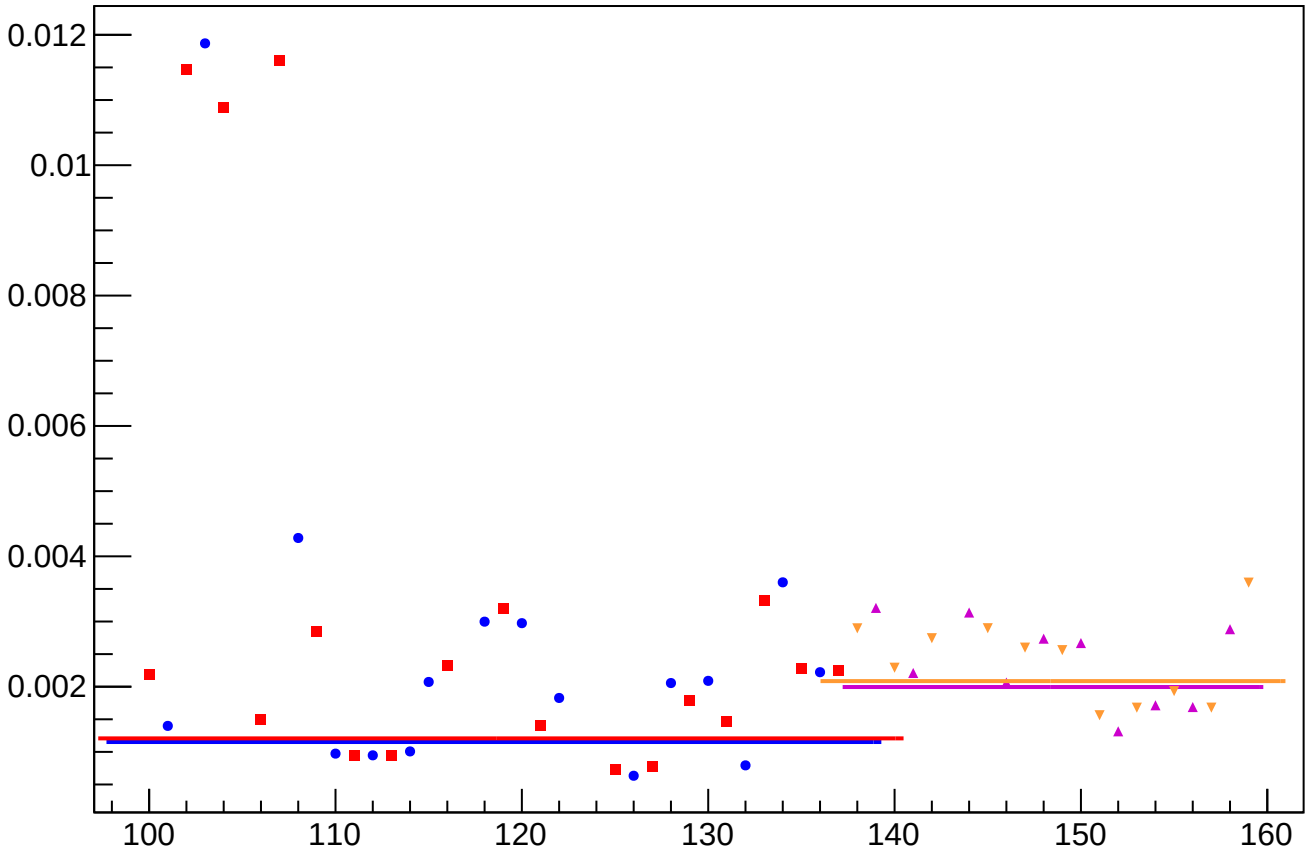
Left In: 49.395+/-0.013 χ^2/NDF:868960.1/9

+ sign 49.370+/-0.010 χ^2/NDF: 3644291.3/26

All: 49.599+/-0.007 χ^2/NDF: 7568881.4/54

- sign 49.839+/-0.010 χ^2/NDF: 3923504.7/27


asym_usl_atl1_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: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:31.7/10
Right Out: -0.000+/-0.000 χ²/NDF: 11.6/17
Left In: -0.000+/-0.000 χ²/NDF:7.4/9
+ sign -0.000+/-0.000 χ²/NDF: 47.4/26
All: -0.000+/-0.000 χ²/NDF: 72.2/54
- sign -0.000+/-0.000 χ²/NDF: 19.0/27



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1065131.1/10

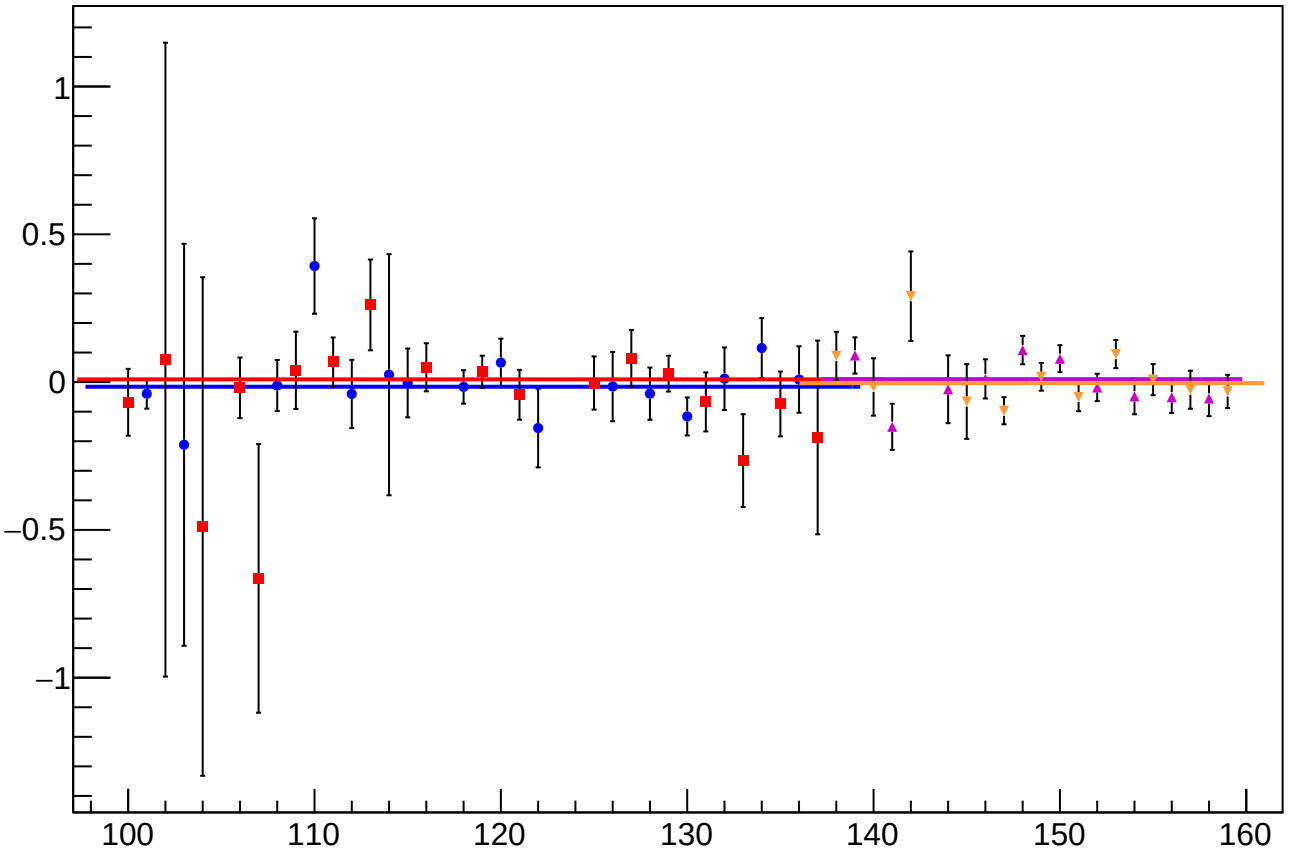
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1425092.6/9

+ sign 0.001+/-0.000 χ^2/NDF: 7369903.9/26

All: 0.001+/-0.000 χ^2/NDF: 14844282.2/54

- sign 0.002+/-0.000 χ^2/NDF: 7460511.0/27



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

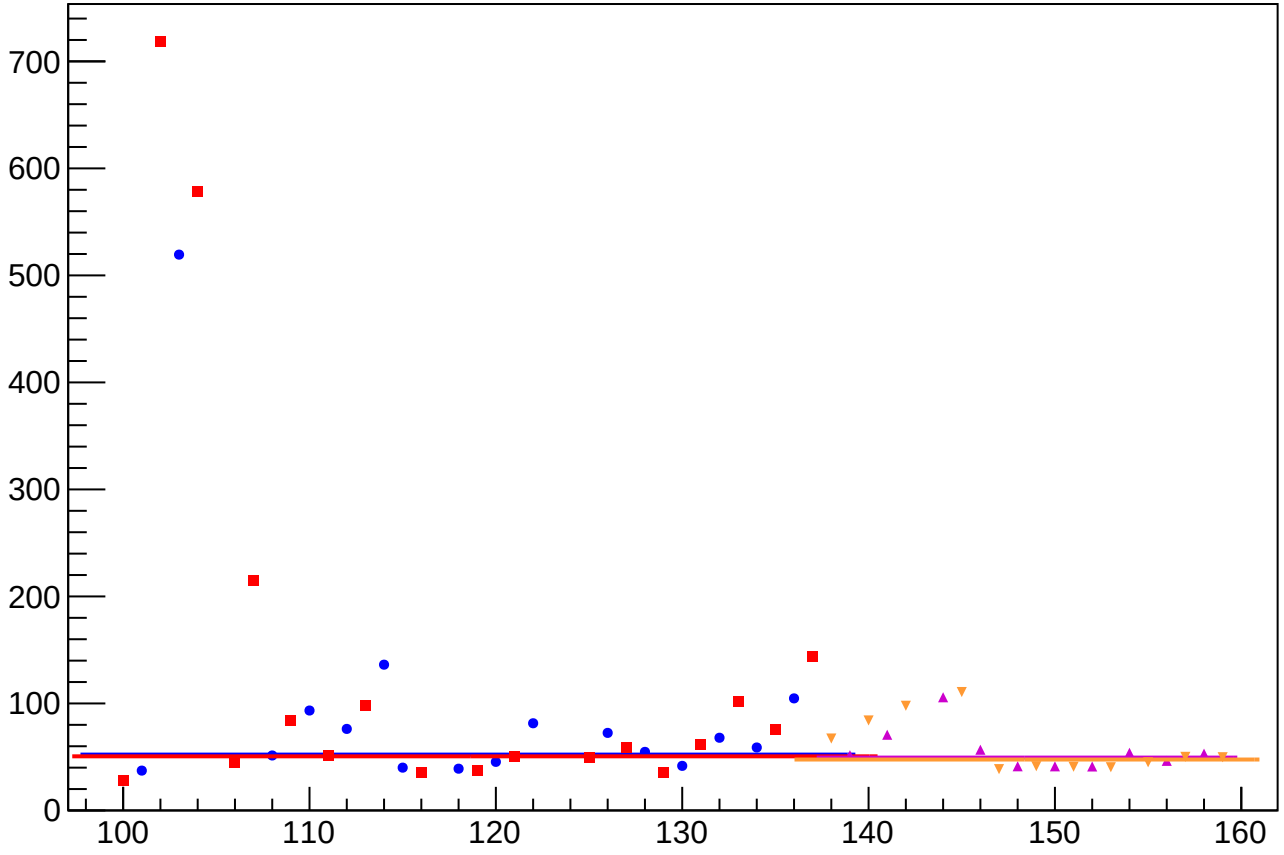
Left In: 0.010+/-0.018 χ^2/NDF:16.3/9

+ sign -0.008+/-0.014 χ^2/NDF: 28.7/26

All: 0.001+/-0.010 χ^2/NDF: 58.3/54

- sign 0.010+/-0.014 χ^2/NDF: 28.8/27

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

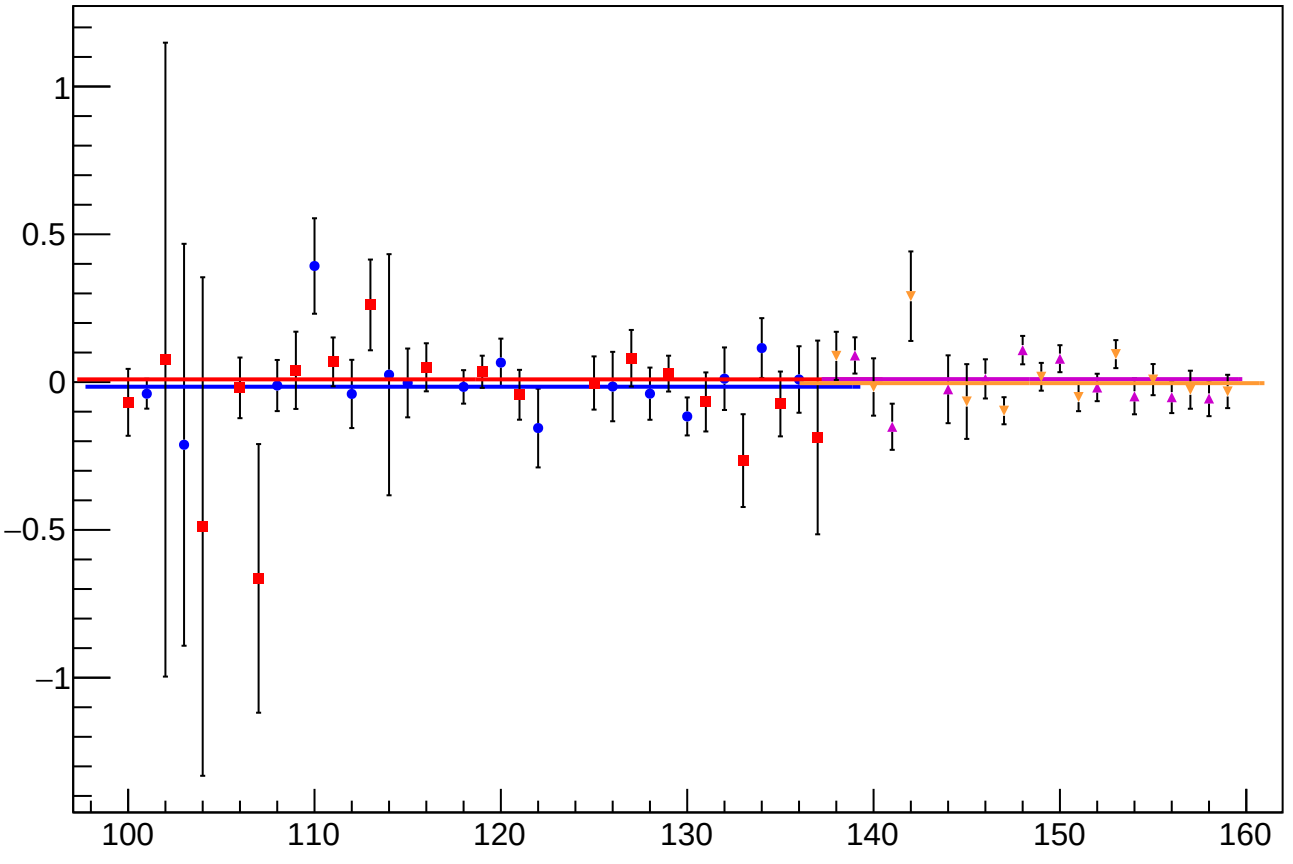
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.396+/-0.013 χ^2/NDF:868951.1/9

+ sign 49.370+/-0.010 χ^2/NDF: 3644259.6/26

All: 49.599+/-0.007 χ^2/NDF: 7568822.8/54

- sign 49.839+/-0.010 χ^2/NDF: 3923477.6/27



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:15.4/10

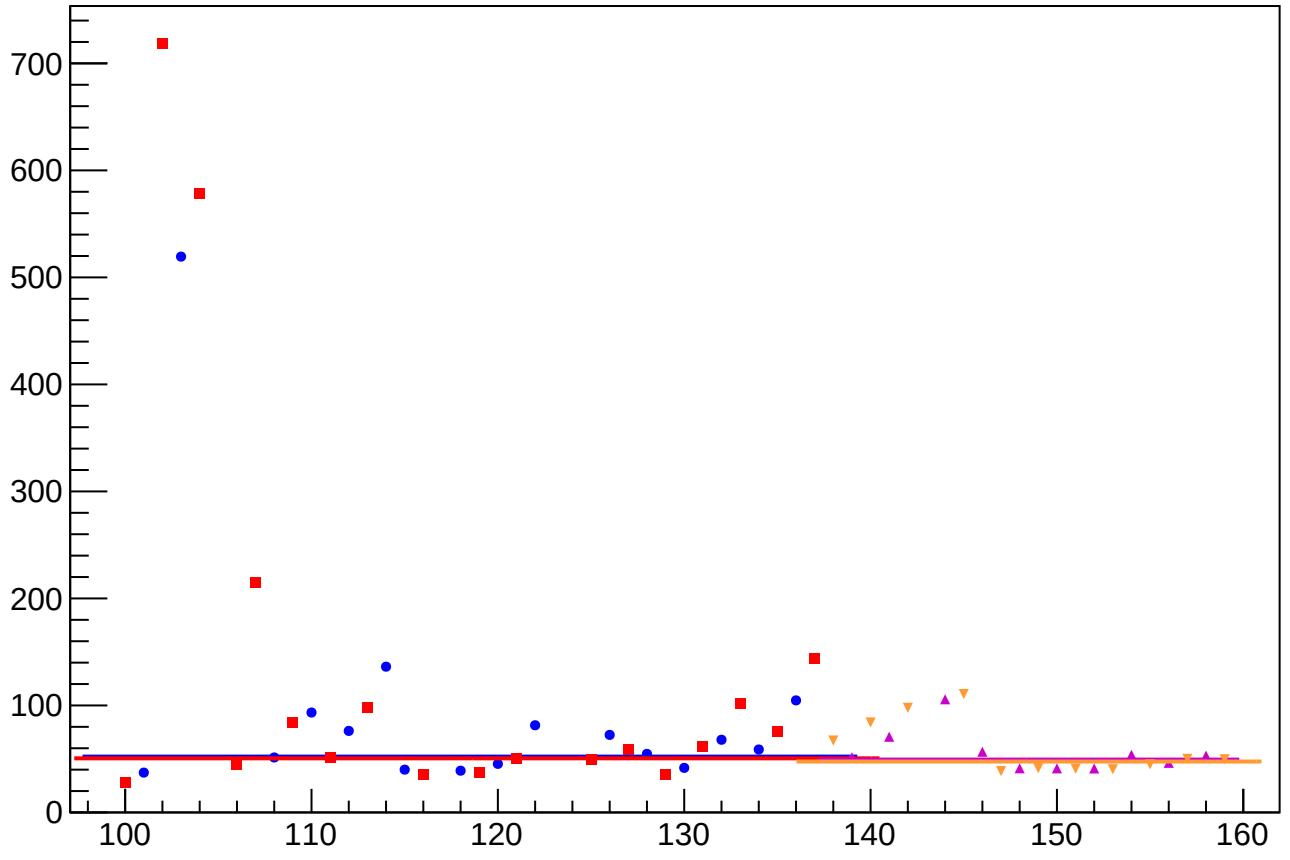
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.010+/-0.018 χ^2/NDF:16.3/9

+ sign -0.008+/-0.014 χ^2/NDF: 28.7/26

All: 0.001+/-0.010 χ^2/NDF: 58.3/54

- sign 0.010+/-0.014 χ^2/NDF: 28.8/27



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.592+/-0.013 χ^2/NDF:1326732.4/10

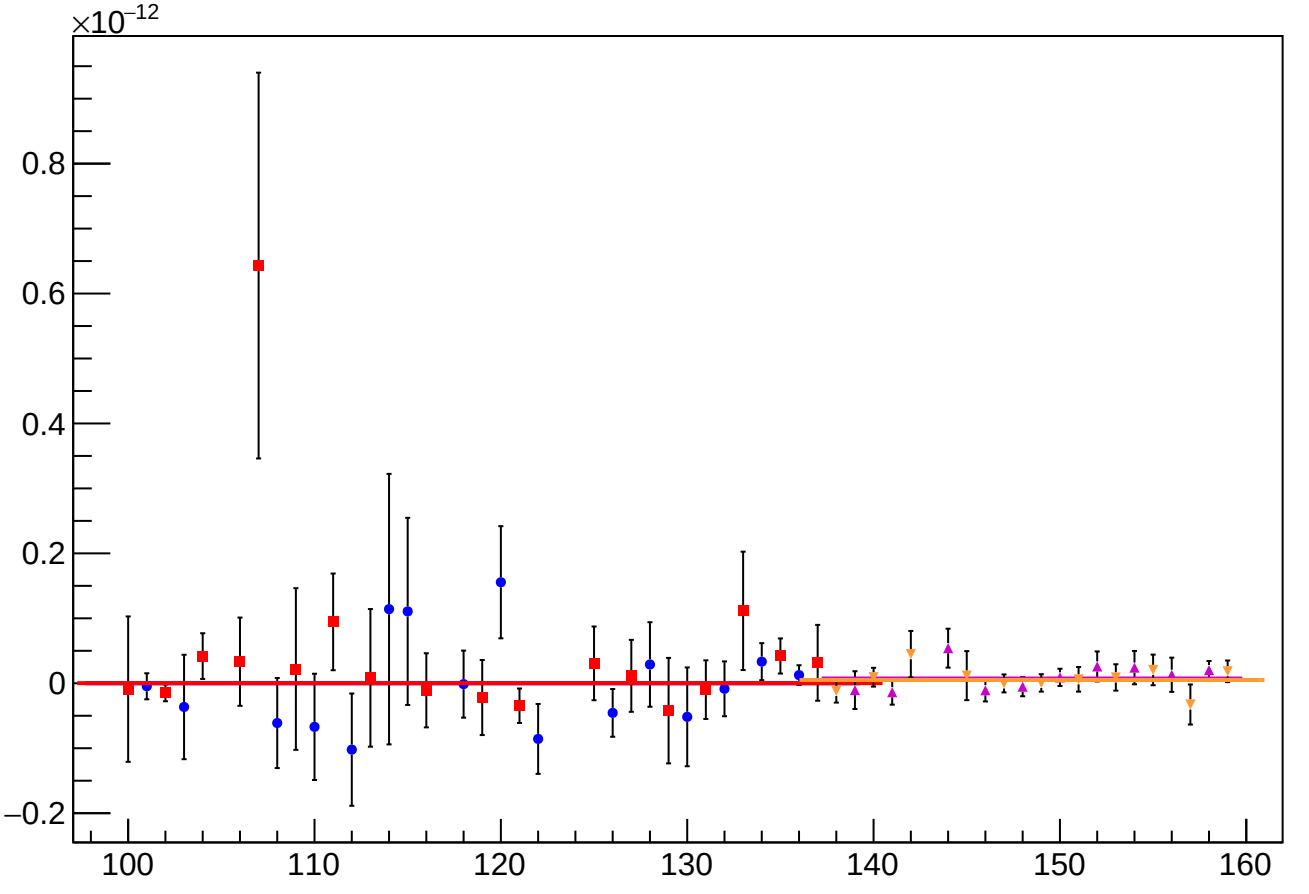
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.396+/-0.013 χ^2/NDF:868951.1/9

+ sign 49.370+/-0.010 χ^2/NDF: 3644259.6/26

All: 49.599+/-0.007 χ^2/NDF: 7568822.8/54

- sign 49.839+/-0.010 χ^2/NDF: 3923477.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/10

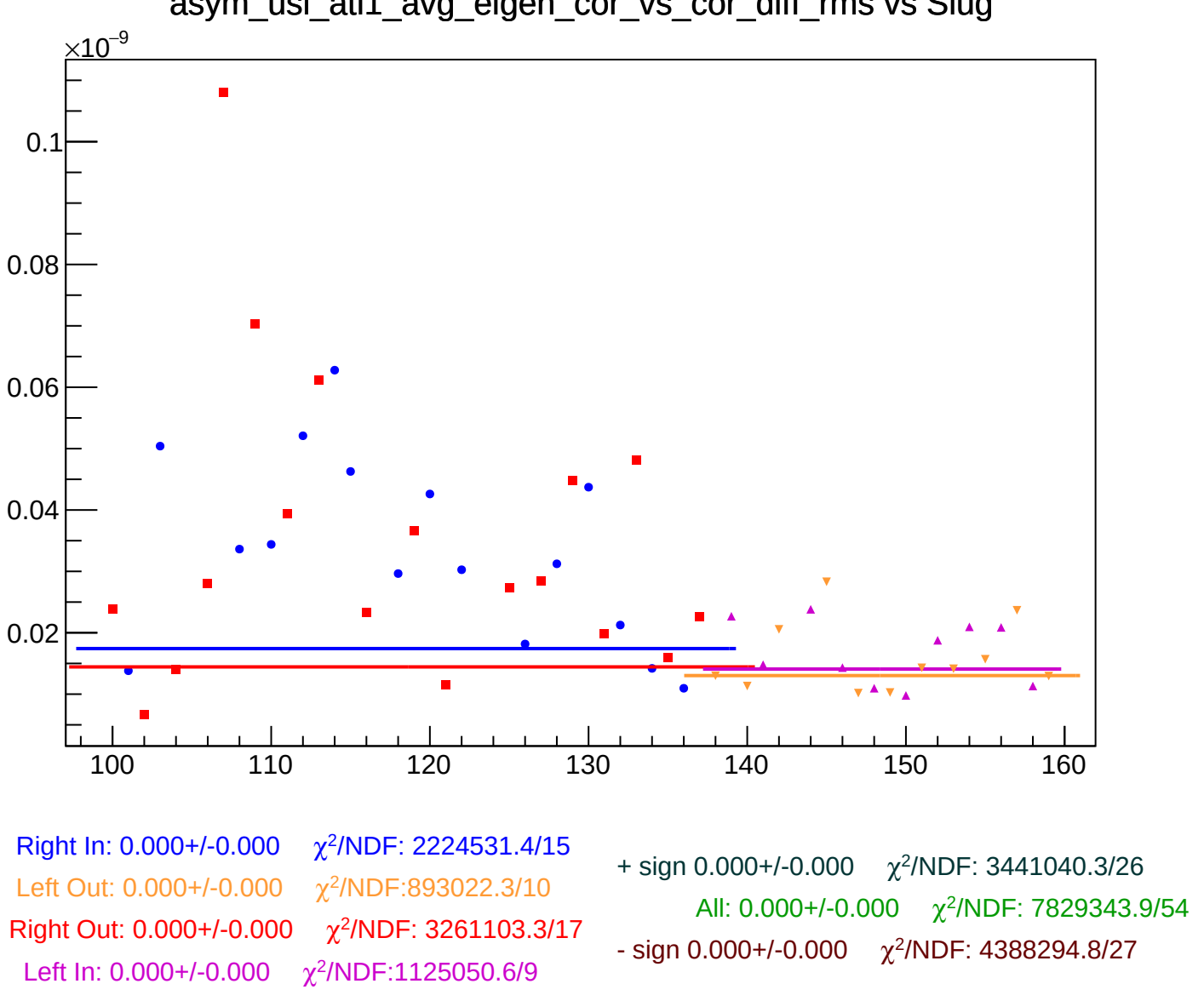
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.8/9

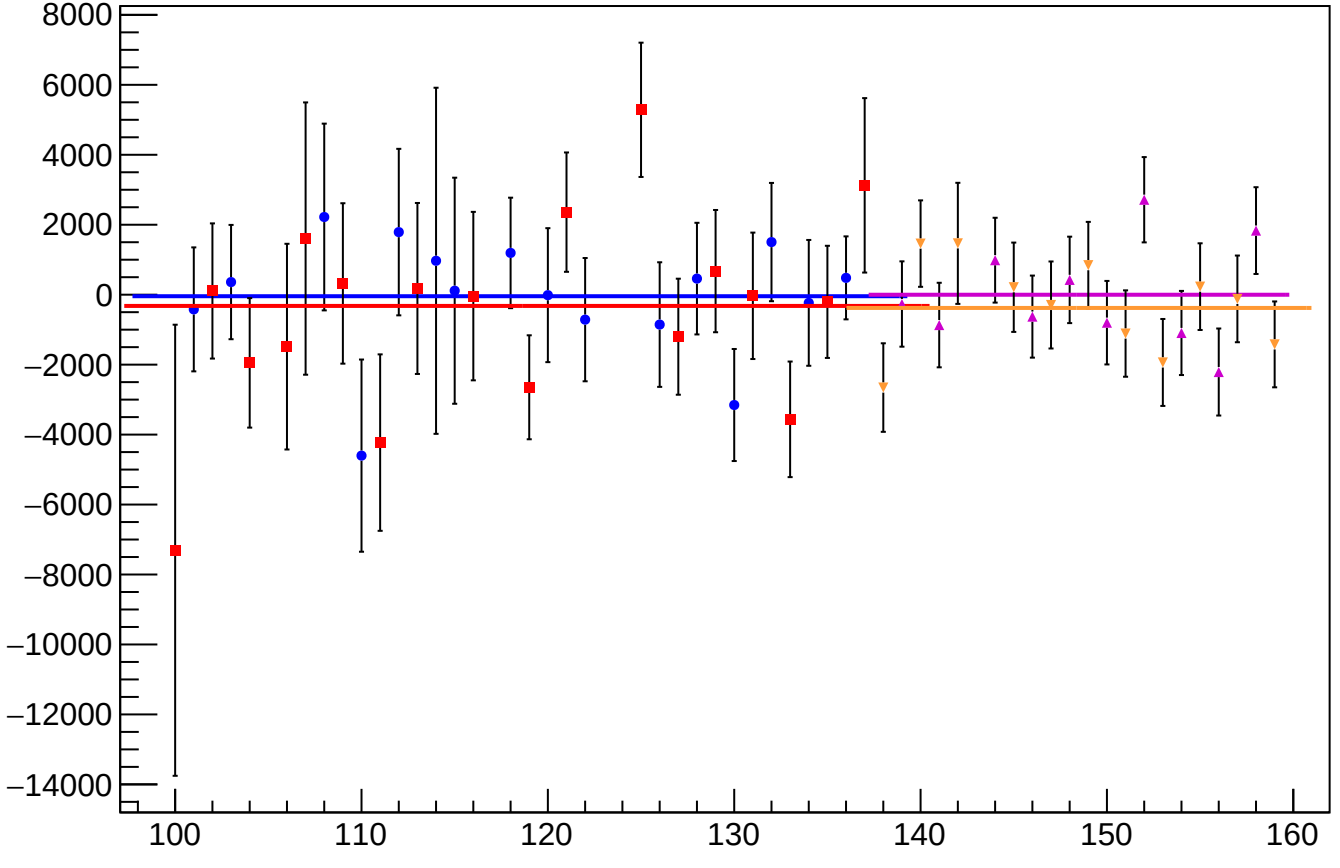
+ sign 0.000+/-0.000 χ^2/NDF: 19.4/26

All: 0.000+/-0.000 χ^2/NDF: 43.8/54

- sign 0.000+/-0.000 χ^2/NDF: 24.3/27


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:1125050.6/9
+ sign 0.000+/-0.000 χ²/NDF: 3441040.3/26
All: 0.000+/-0.000 χ²/NDF: 7829343.9/54
- sign 0.000+/-0.000 χ²/NDF: 4388294.8/27

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

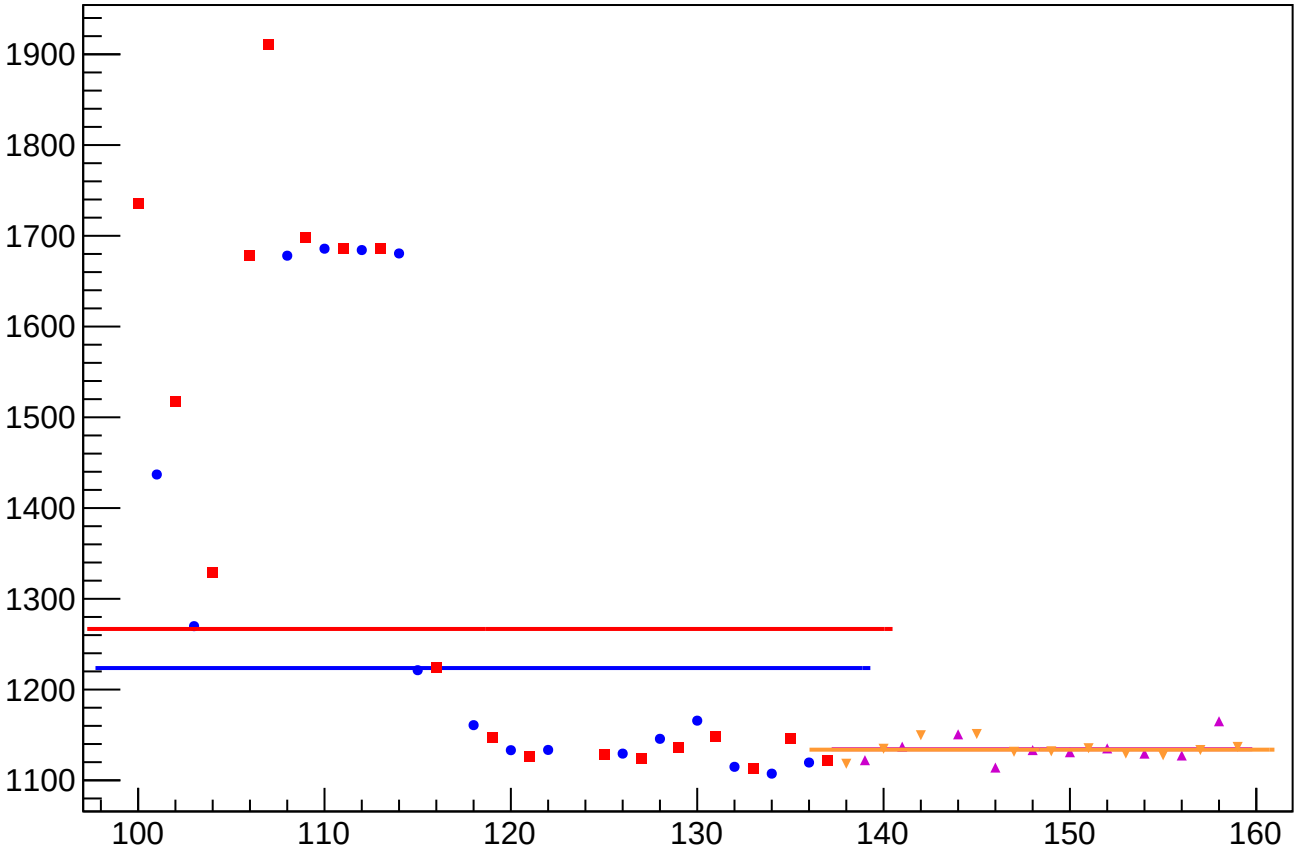
Left In: -1.556+/-384.041 χ^2/NDF:13.2/9

+ sign -241.056+/-294.427 χ^2/NDF: 21.1/26

All: -185.306+/-209.661 χ^2/NDF: 59.5/54

- sign -127.953+/-298.627 χ^2/NDF: 38.3/27

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

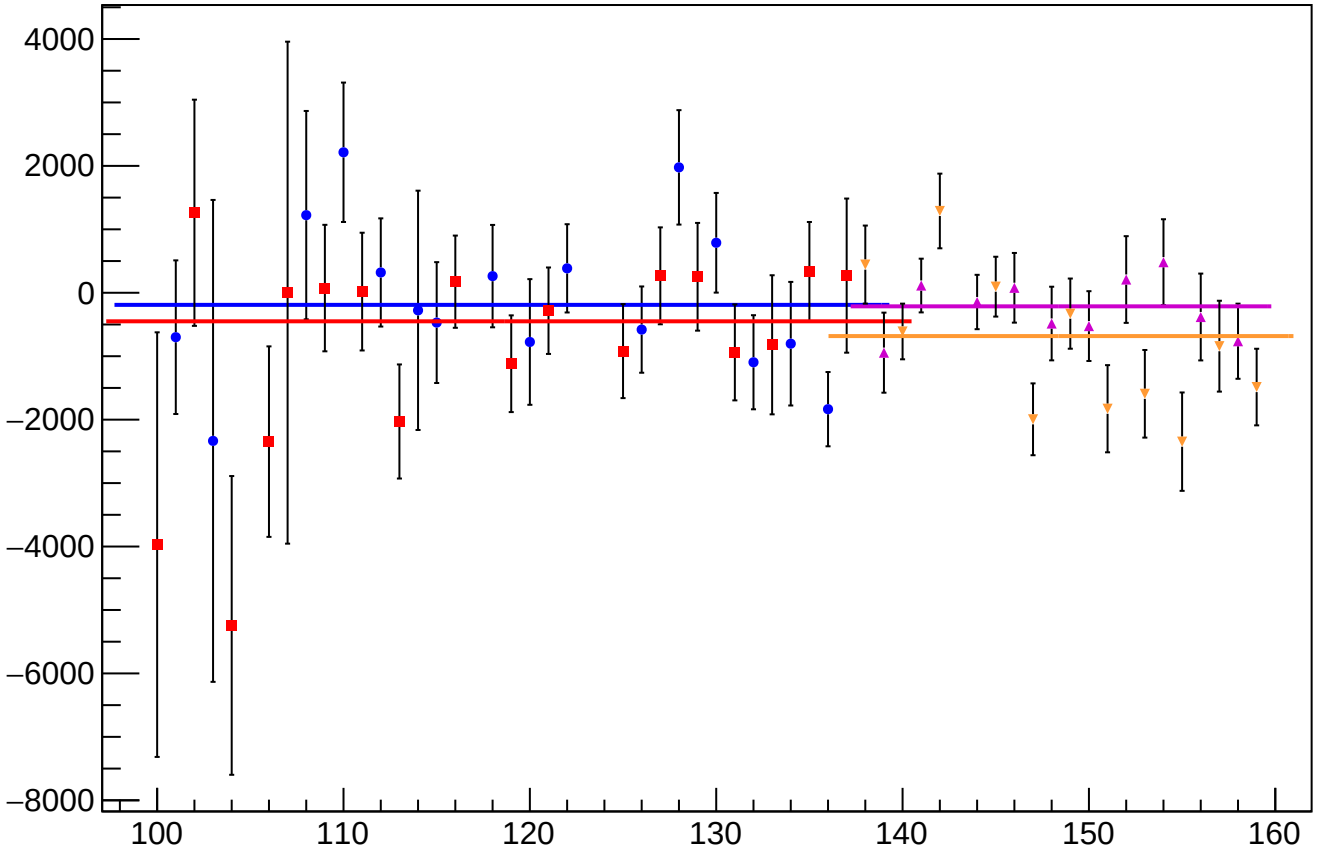
Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

+ sign 1170.741+/-0.208 χ^2/NDF: 341075.6/26

All: 1178.598+/-0.148 χ^2/NDF: 873404.7/54

- sign 1186.680+/-0.211 χ^2/NDF: 529439.8/27

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

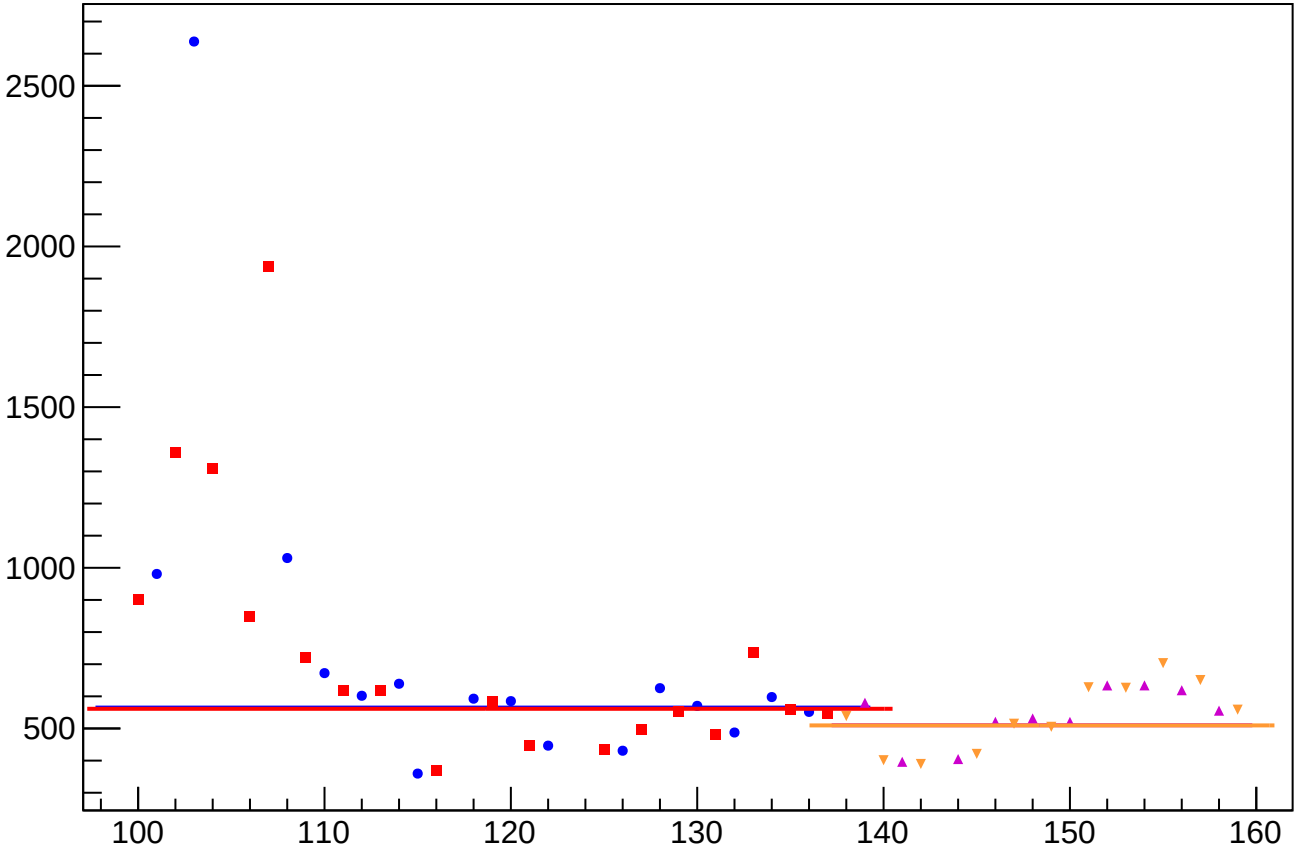
Left In: -213.889+/-175.569 χ^2/NDF:5.1/9

+ sign -493.299+/-138.259 χ^2/NDF: 62.3/26

All: -398.507+/-97.670 χ^2/NDF: 85.9/54

- sign -304.079+/-137.994 χ^2/NDF: 22.6/27

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

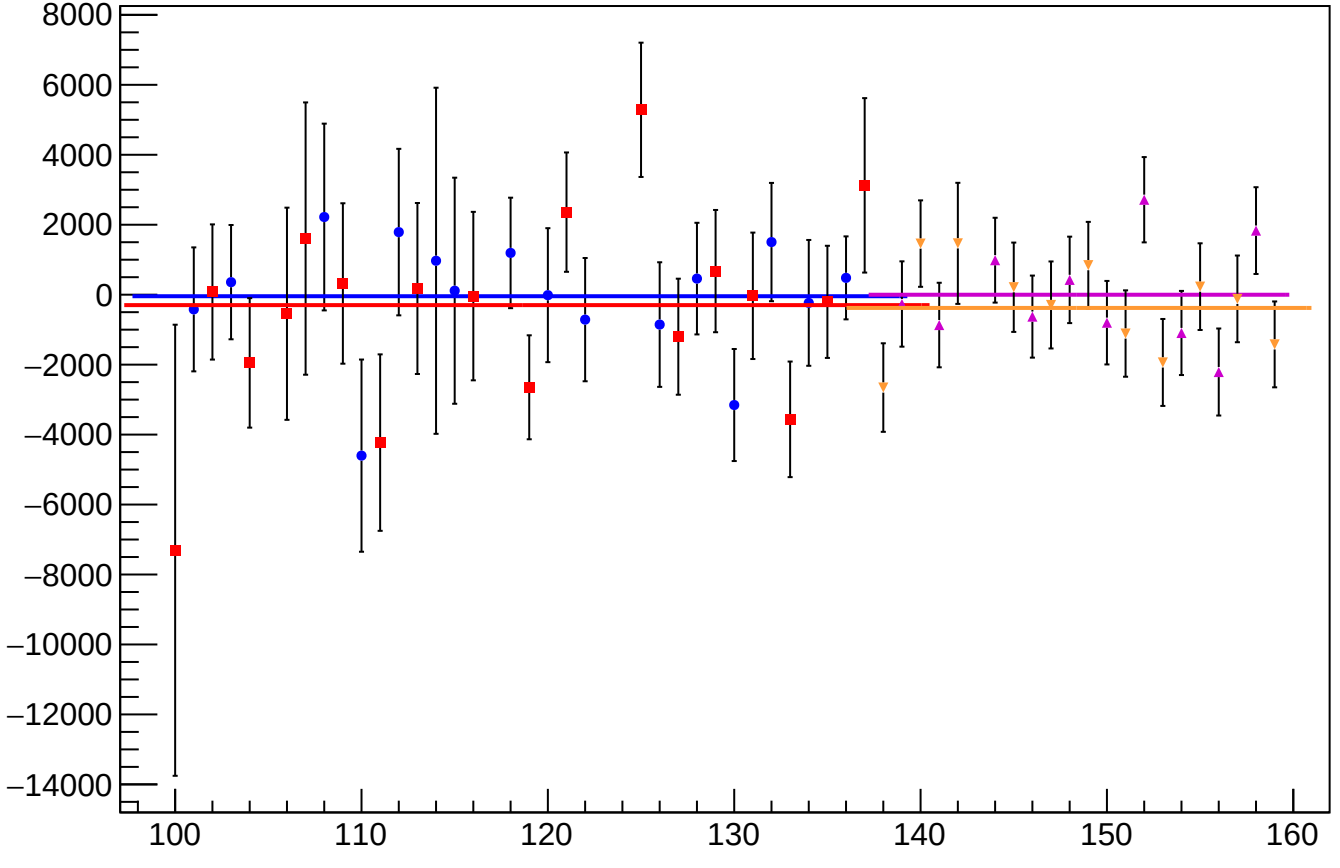
Left In: 510.066+/-0.124 χ^2/NDF:489172.4/9

+ sign 530.860+/-0.098 χ^2/NDF: 1974052.6/26

All: 530.243+/-0.069 χ^2/NDF: 3880498.2/54

- sign 529.628+/-0.098 χ^2/NDF: 1906365.9/27

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

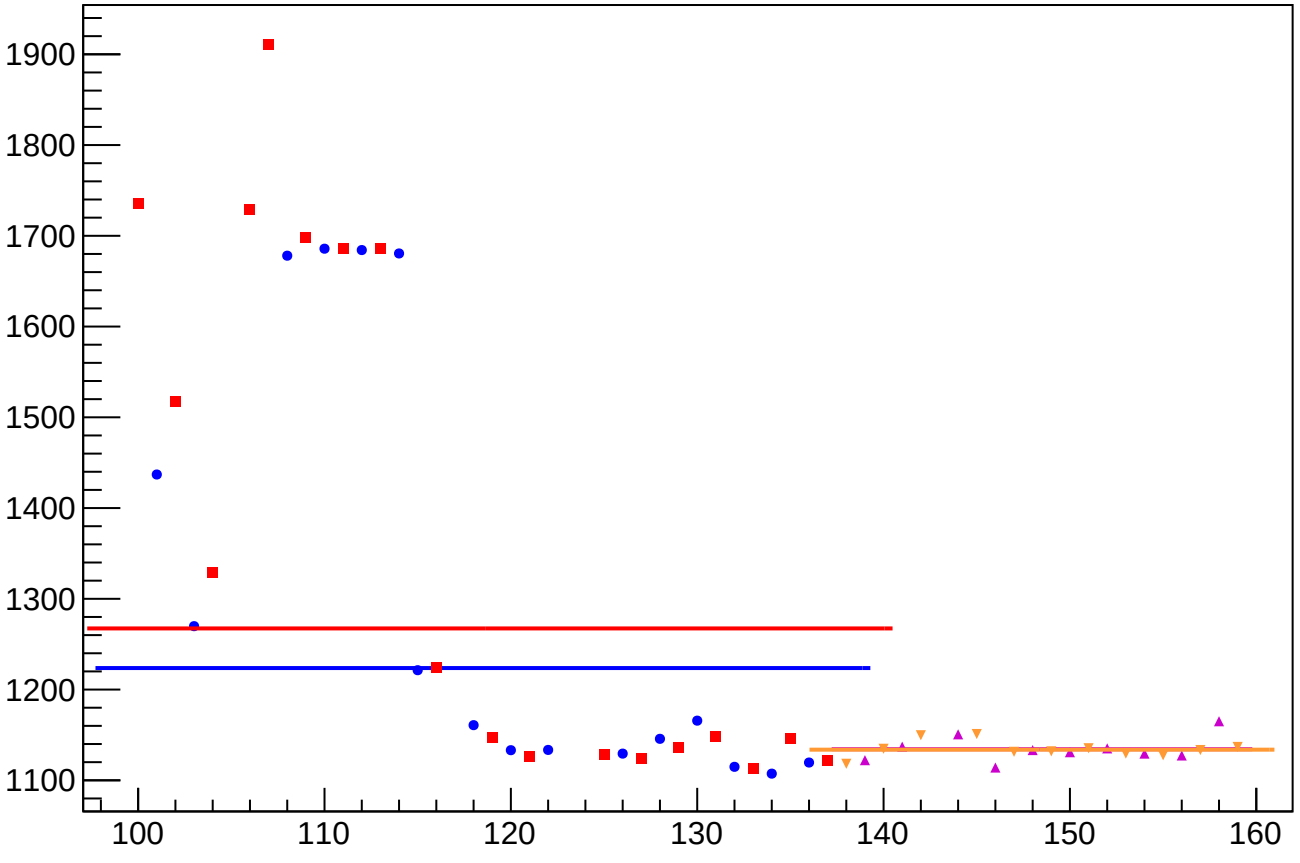
Left In: -1.517+/-384.041 χ^2/NDF:13.2/9

\+ sign -241.116+/-294.427 χ^2/NDF: 21.1/26

All: -180.795+/-209.693 χ^2/NDF: 59.3/54

\- sign -118.702+/-298.721 χ^2/NDF: 38.1/27

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

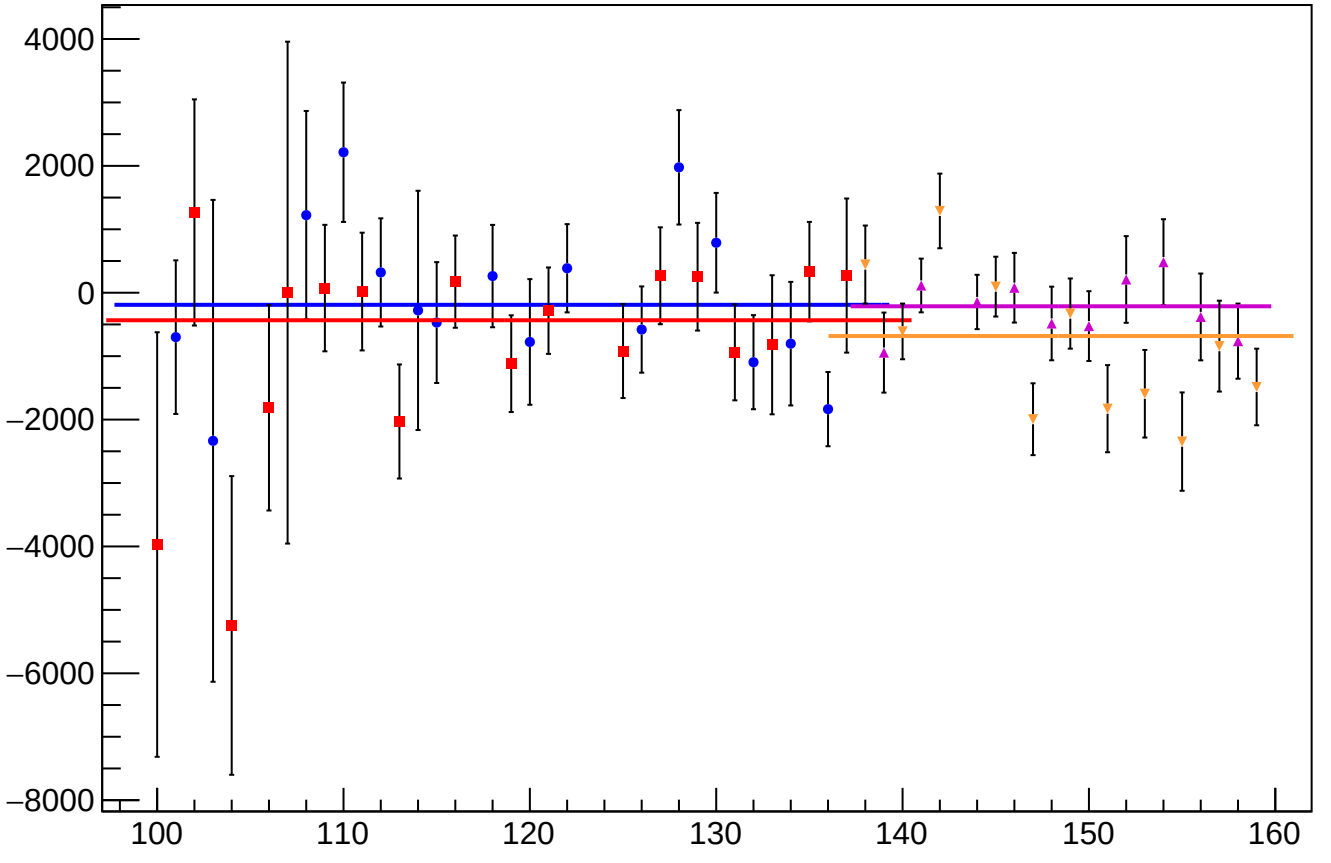
Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

+ sign 1170.741+/-0.208 χ^2/NDF: 341075.6/26

All: 1178.684+/-0.148 χ^2/NDF: 881346.4/54

- sign 1186.861+/-0.211 χ^2/NDF: 537316.6/27

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

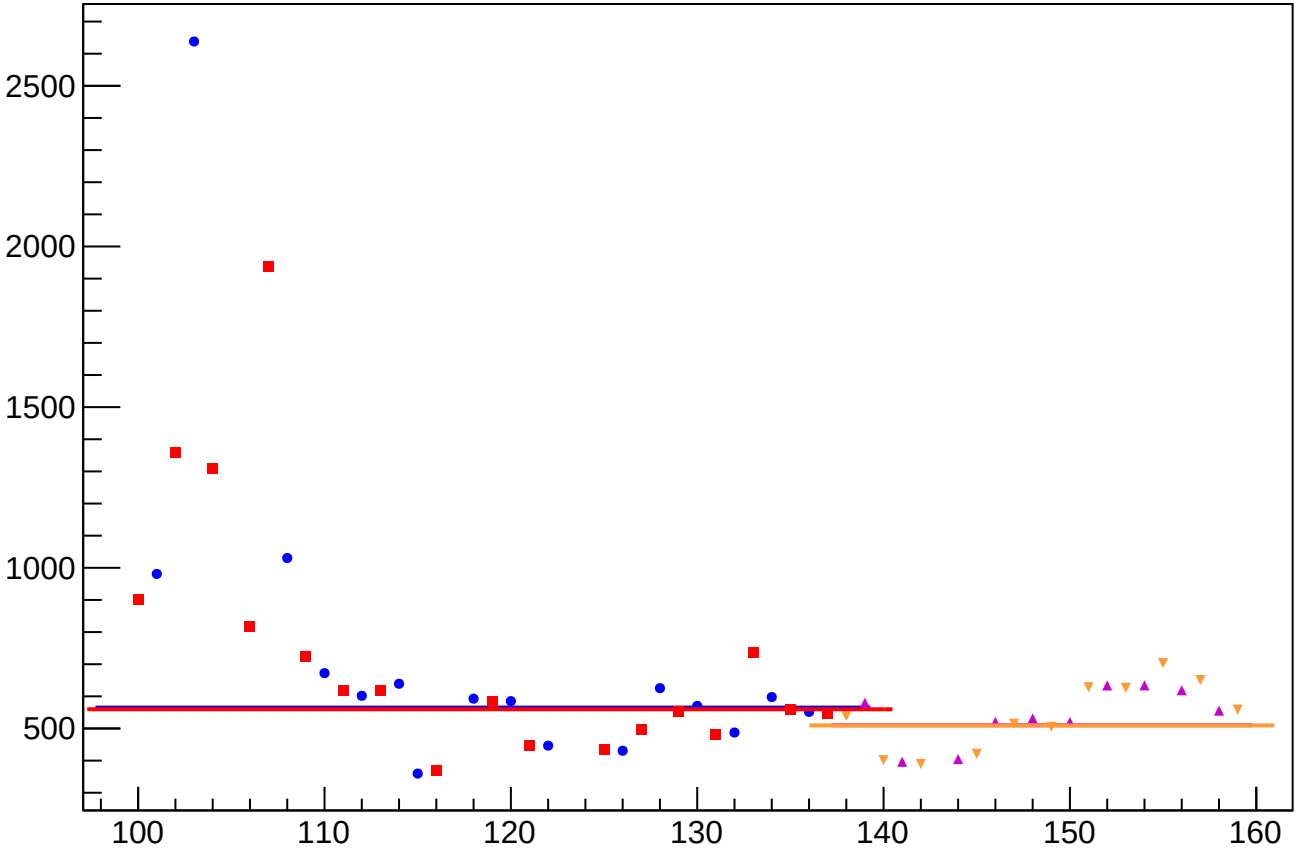
Left In: -213.865+/-175.569 χ^2/NDF:5.2/9

+ sign -493.293+/-138.259 χ^2/NDF: 62.3/26

All: -395.417+/-97.699 χ^2/NDF: 85.0/54

- sign -297.800+/-138.076 χ^2/NDF: 21.7/27

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

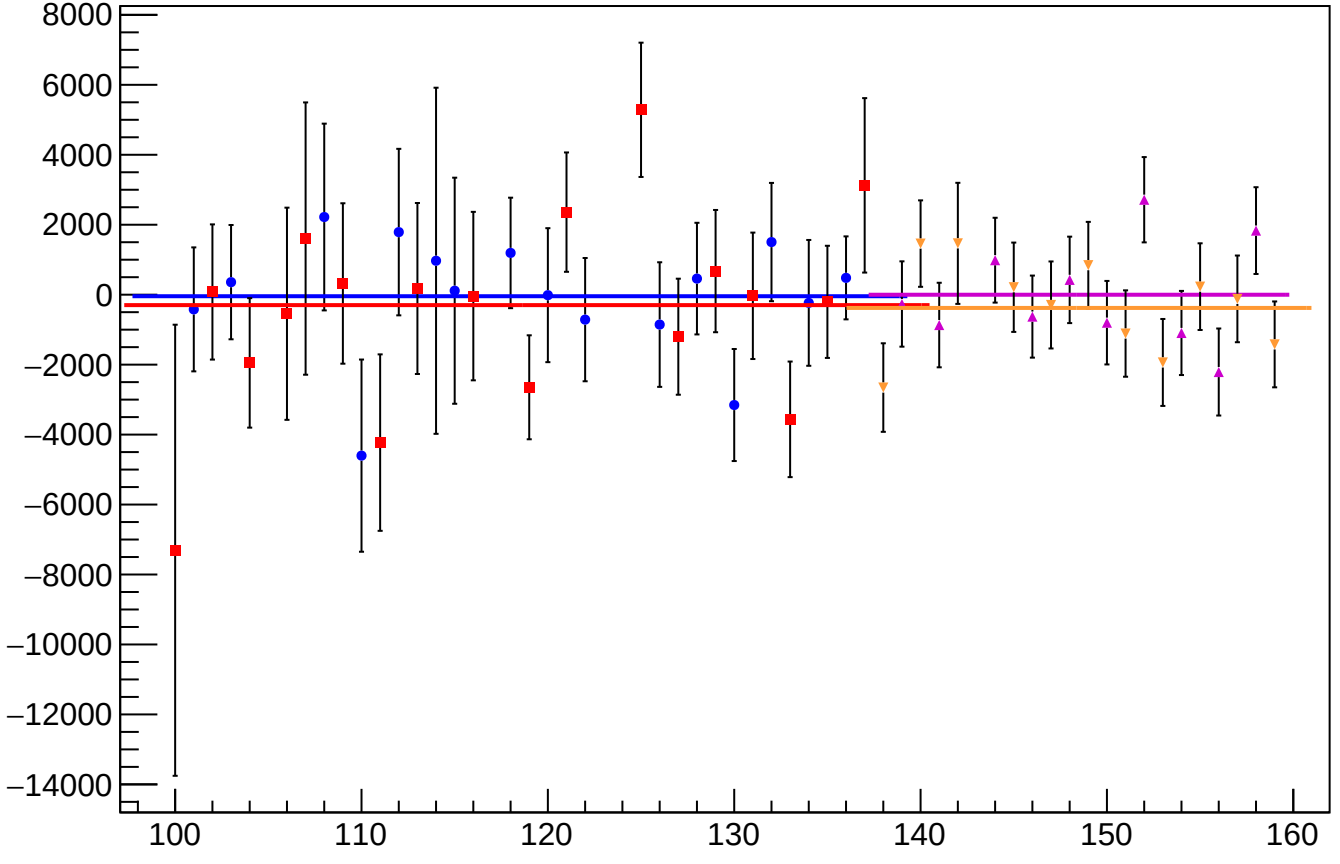
Left In: 510.068+/-0.124 χ^2/NDF:489142.5/9

+ sign 530.858+/-0.098 χ^2/NDF: 1974001.2/26

All: 529.940+/-0.069 χ^2/NDF: 3853794.0/54

- sign 529.025+/-0.098 χ^2/NDF: 1879616.8/27

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

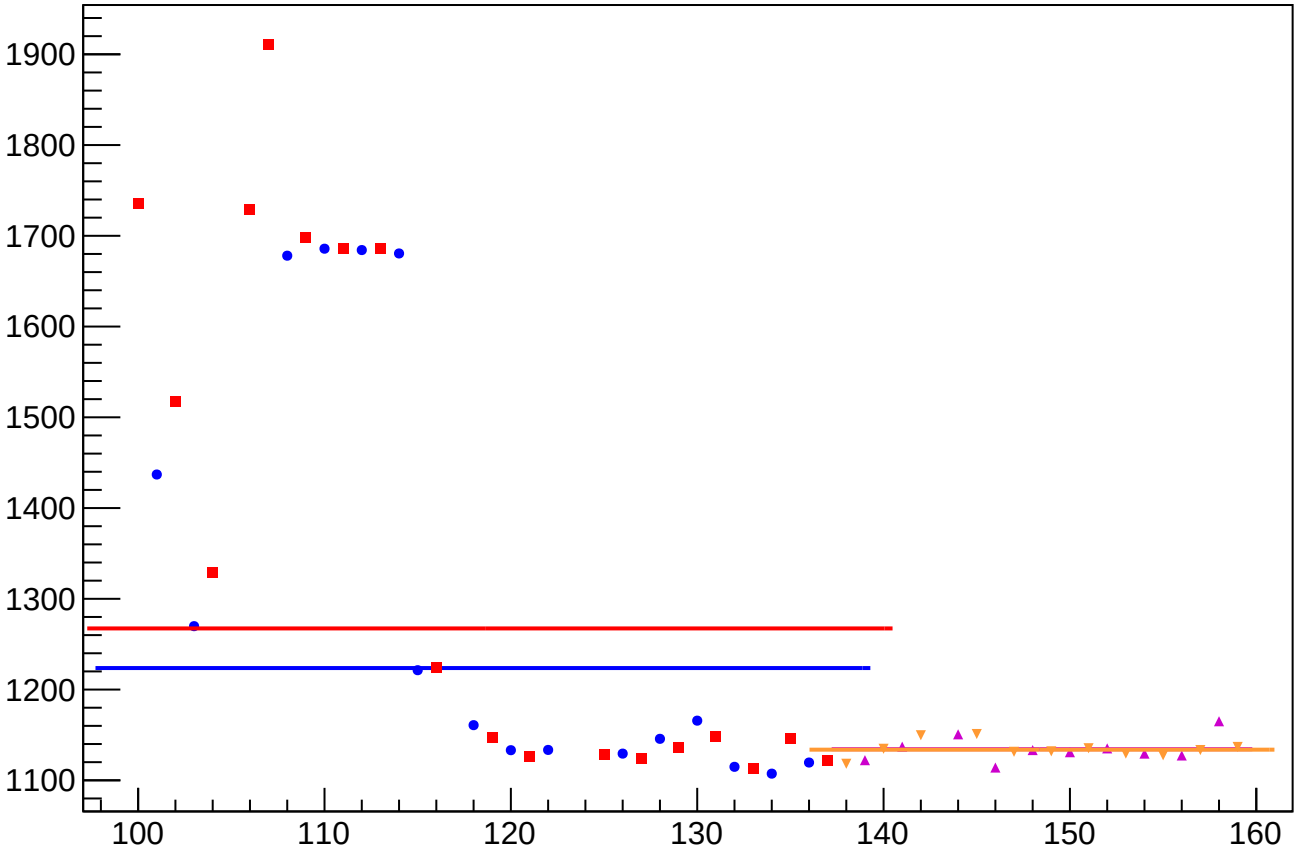
Left In: -1.517+/-384.041 χ^2/NDF:13.2/9

+ sign -241.116+/-294.427 χ^2/NDF: 21.1/26

All: -180.795+/-209.693 χ^2/NDF: 59.3/54

- sign -118.702+/-298.721 χ^2/NDF: 38.1/27

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

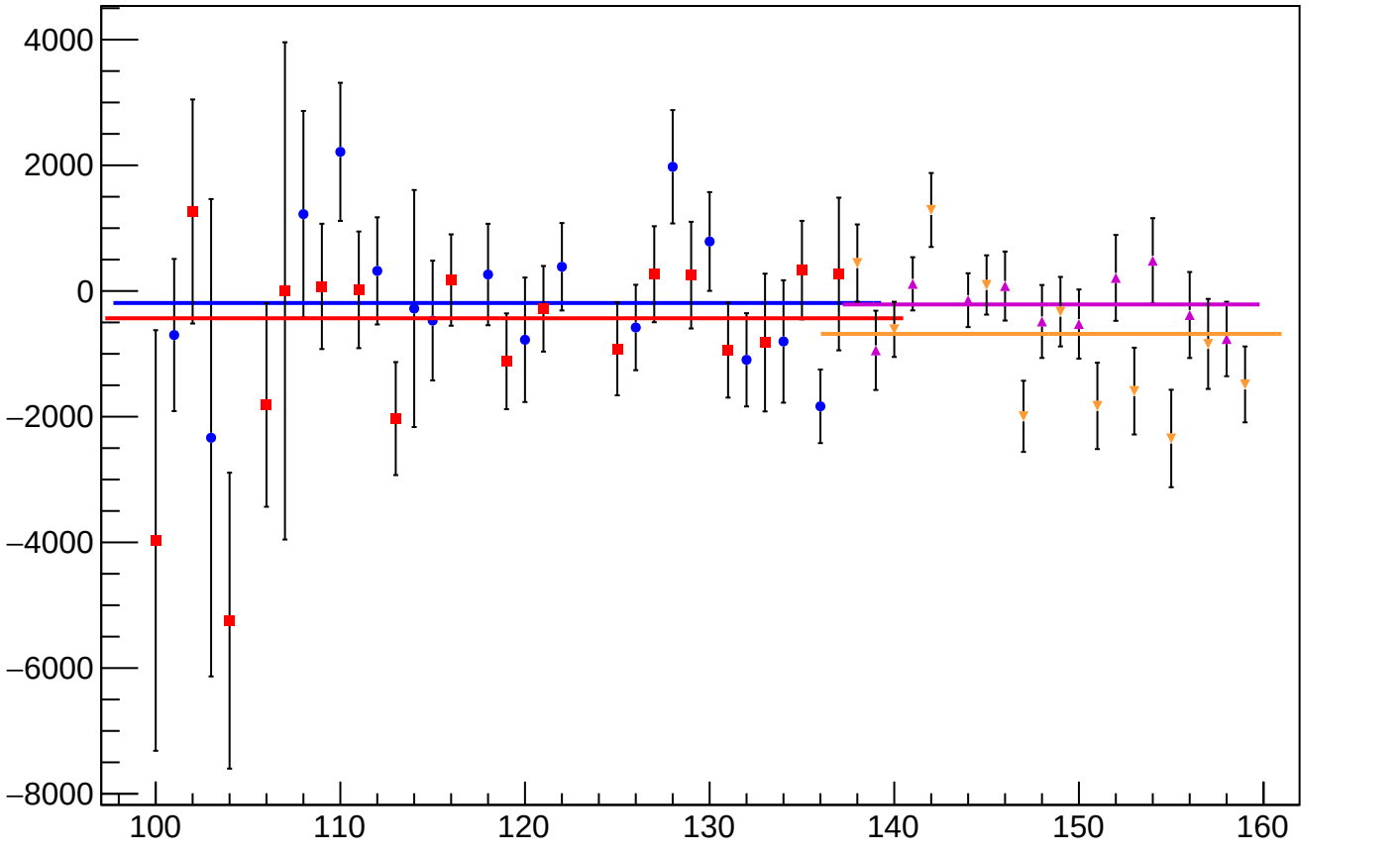
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1134.307+/-0.272 χ^2/NDF:2512.2/9

+ sign 1170.741+/-0.208 χ^2/NDF: 341075.6/26

All: 1178.684+/-0.148 χ^2/NDF: 881346.4/54

- sign 1186.861+/-0.211 χ^2/NDF: 537316.6/27



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -682.635+/-176.280 χ^2/NDF:34.1/10

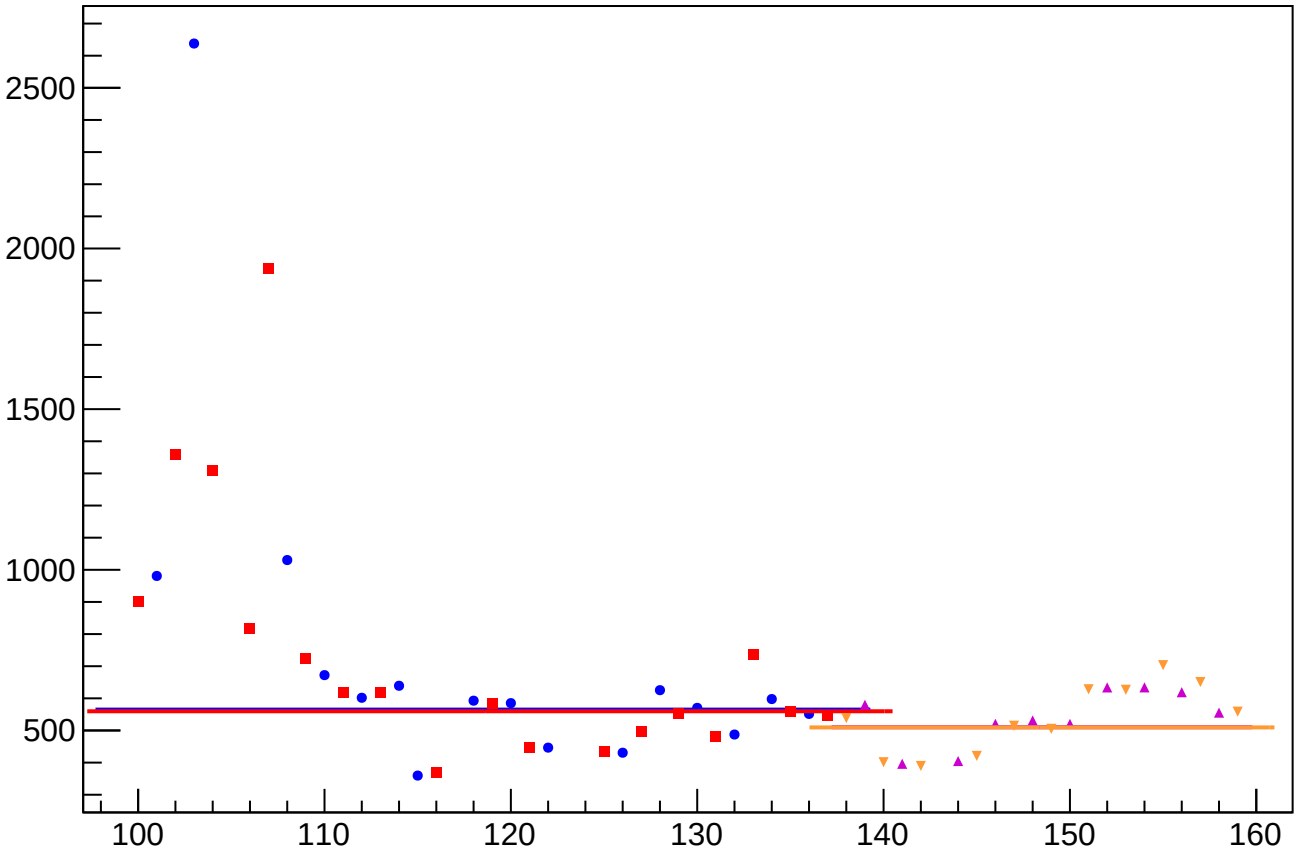
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -213.865+/-175.569 χ^2/NDF:5.2/9

+ sign -493.293+/-138.259 χ^2/NDF: 62.3/26

All: -395.417+/-97.699 χ^2/NDF: 85.0/54

- sign -297.800+/-138.076 χ^2/NDF: 21.7/27



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 509.526+/-0.125 χ^2/NDF:613446.8/10

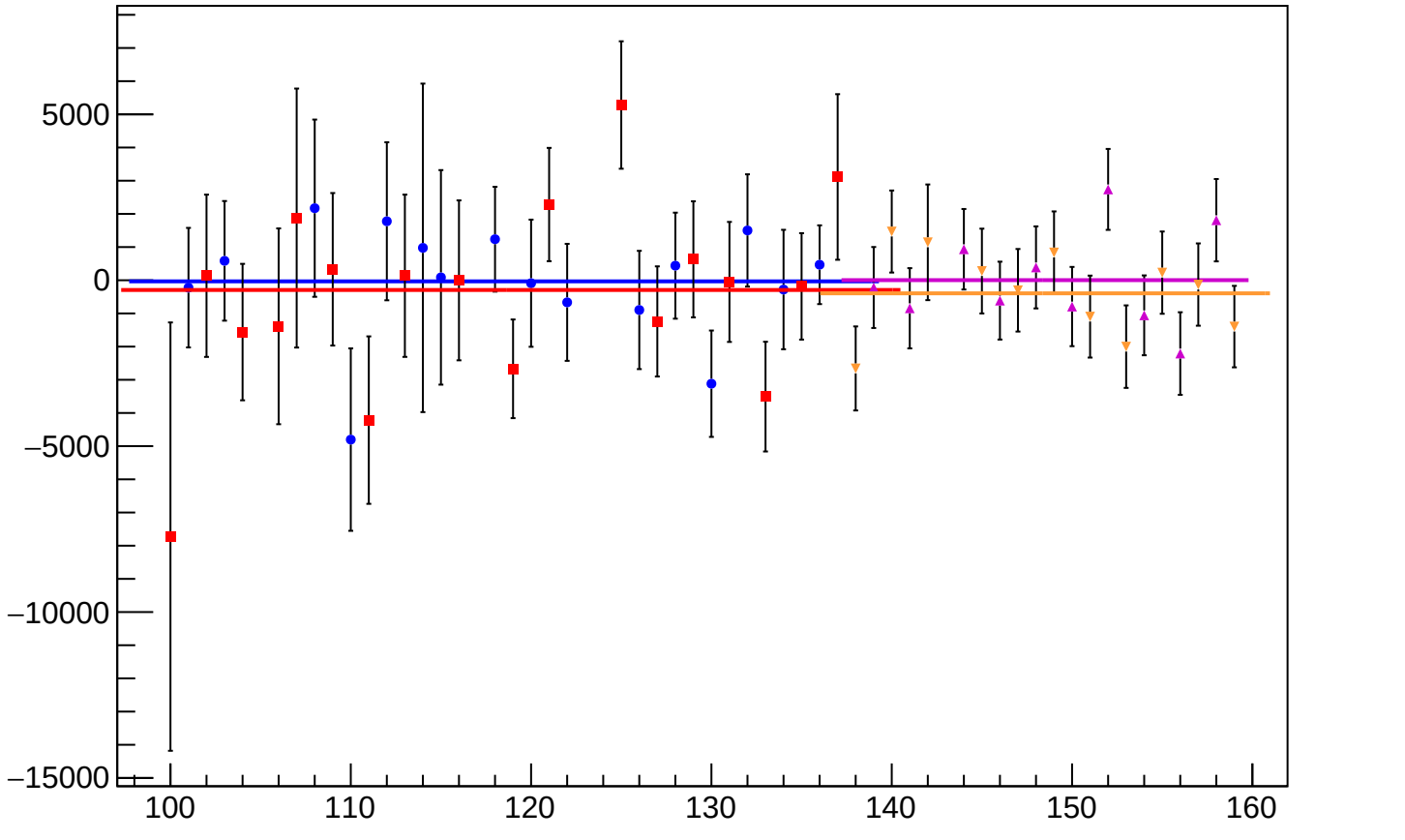
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 510.068+/-0.124 χ^2/NDF:489142.5/9

+ sign 530.858+/-0.098 χ^2/NDF: 1974001.2/26

All: 529.940+/-0.069 χ^2/NDF: 3853794.0/54

- sign 529.025+/-0.098 χ^2/NDF: 1879616.8/27



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

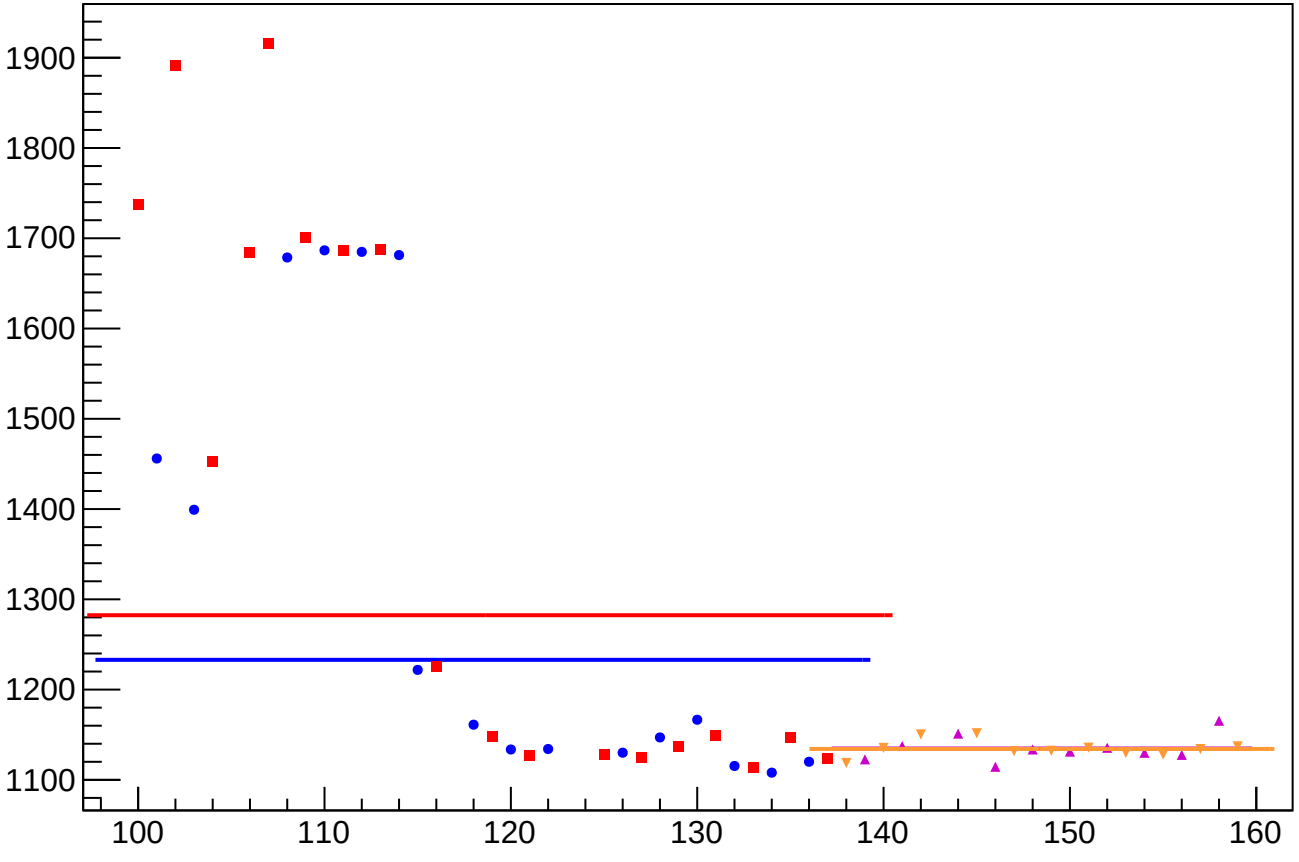
Left In: 3.144+/-384.185 χ^2/NDF:13.0/9

+ sign -247.199+/-295.600 χ^2/NDF: 21.1/26

All: -180.559+/-210.860 χ^2/NDF: 58.7/54

- sign -111.521+/-300.871 χ^2/NDF: 37.5/27

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

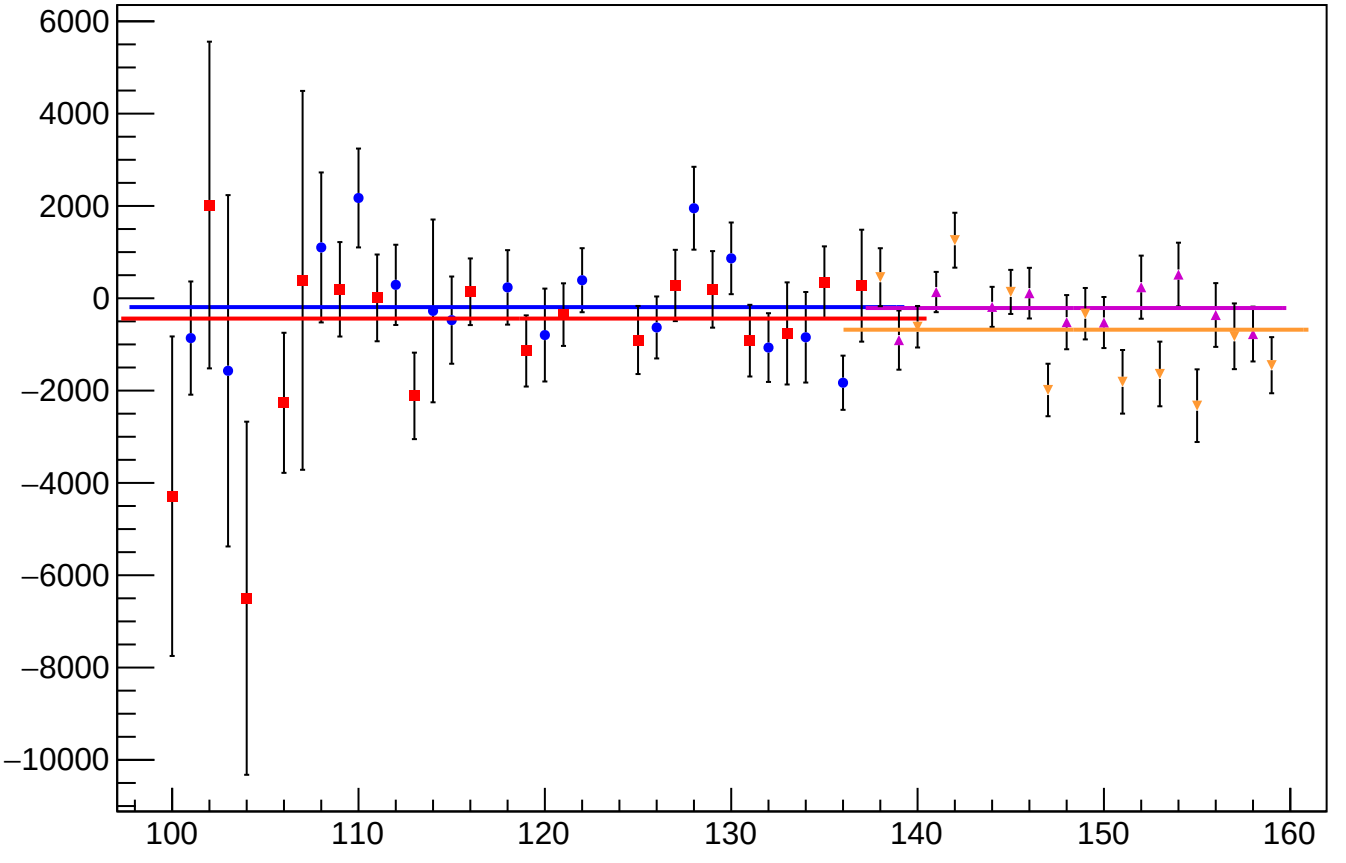
Left In: 1134.732+/-0.272 χ^2/NDF:2510.1/9

+ sign 1174.446+/-0.209 χ^2/NDF: 370264.8/26

All: 1182.988+/-0.149 χ^2/NDF: 1033845.9/54

- sign 1191.837+/-0.213 χ^2/NDF: 660181.0/27

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

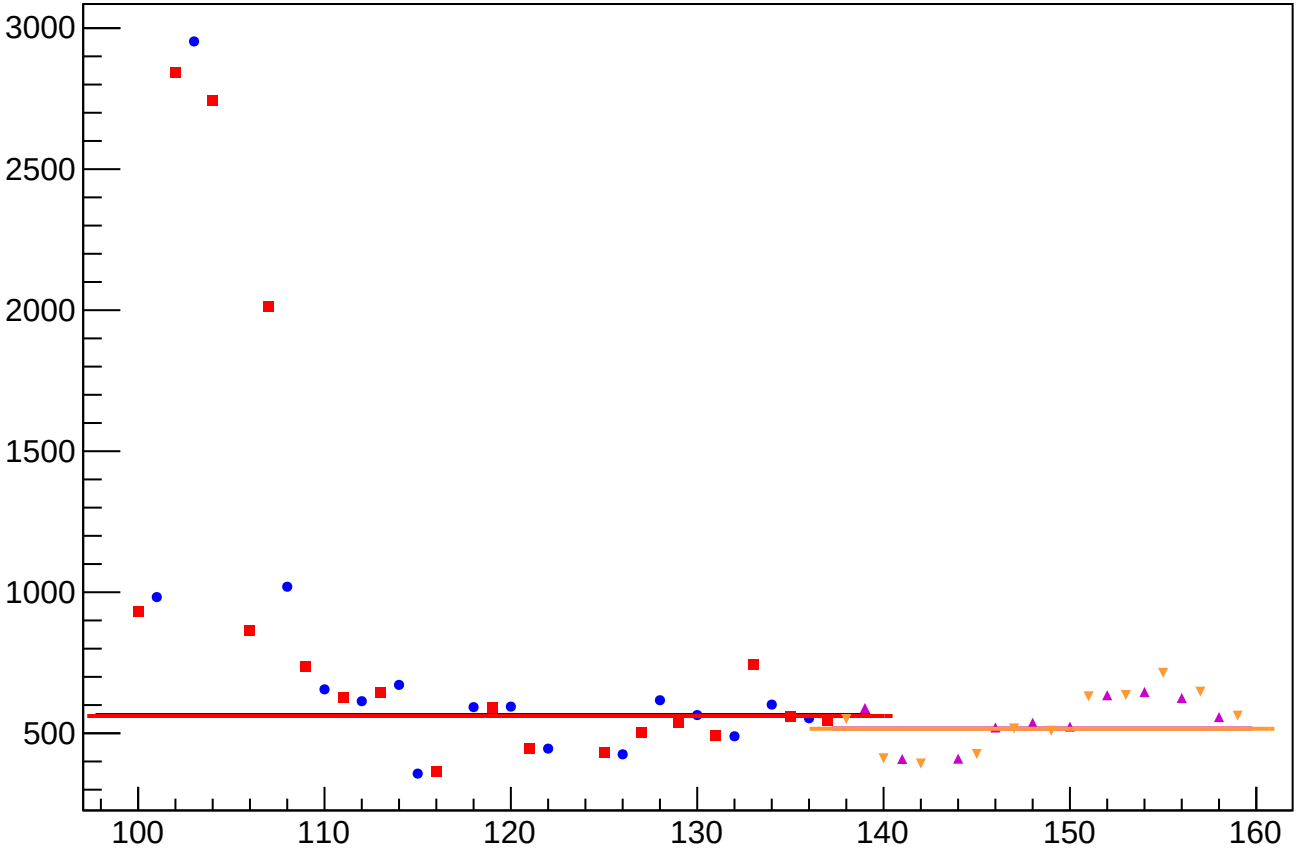
Left In: -211.476+/-177.722 χ^2/NDF:5.2/9

+ sign -489.697+/-139.214 χ^2/NDF: 61.3/26

All: -394.460+/-98.660 χ^2/NDF: 82.8/54

- sign -298.361+/-139.842 χ^2/NDF: 20.5/27

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

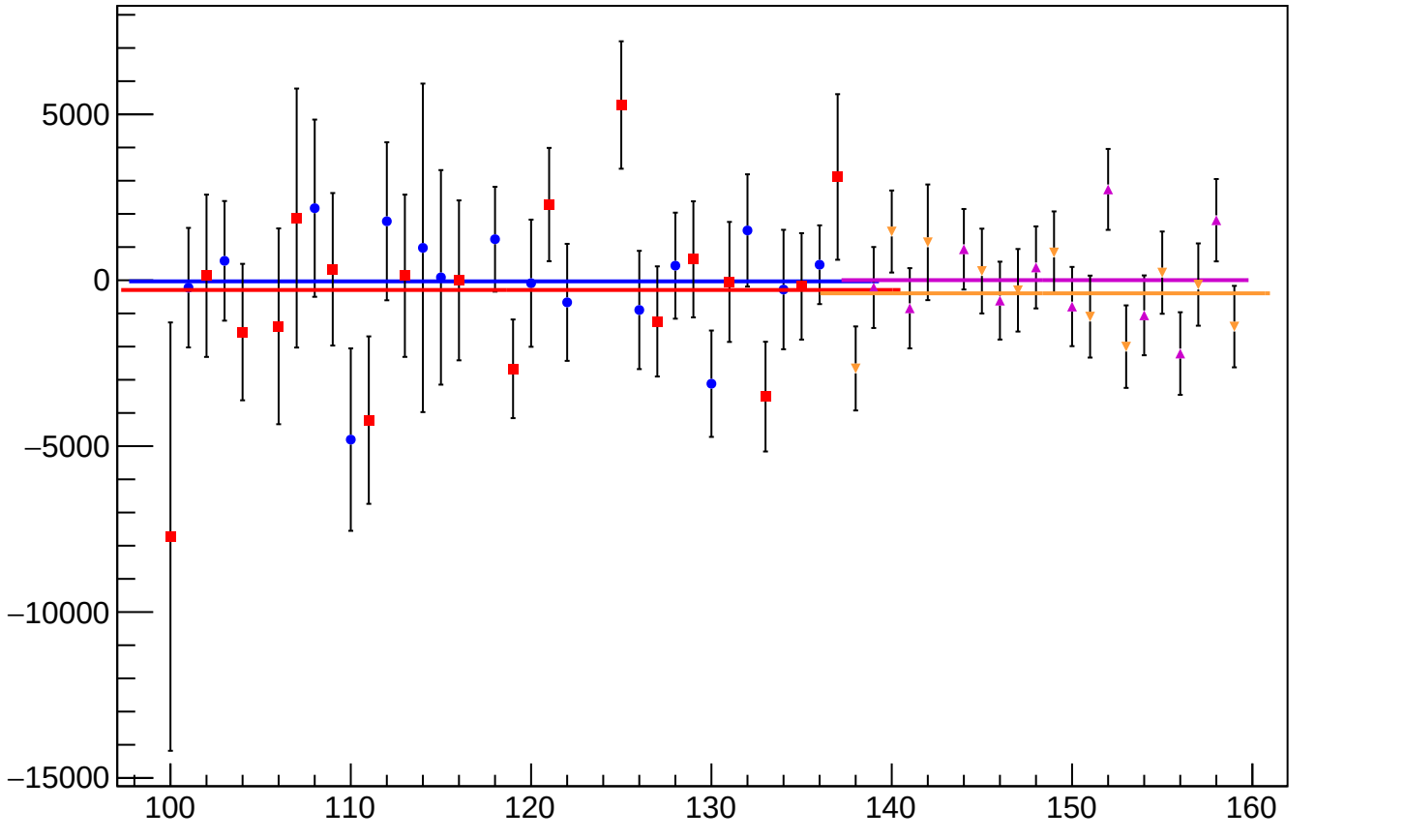
Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 516.952+/-0.126 χ^2/NDF:460868.4/9

+ sign 535.061+/-0.098 χ^2/NDF: 2130381.9/26

All: 534.449+/-0.070 χ^2/NDF: 4912072.0/54

- sign 533.832+/-0.099 χ^2/NDF: 2781612.4/27



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

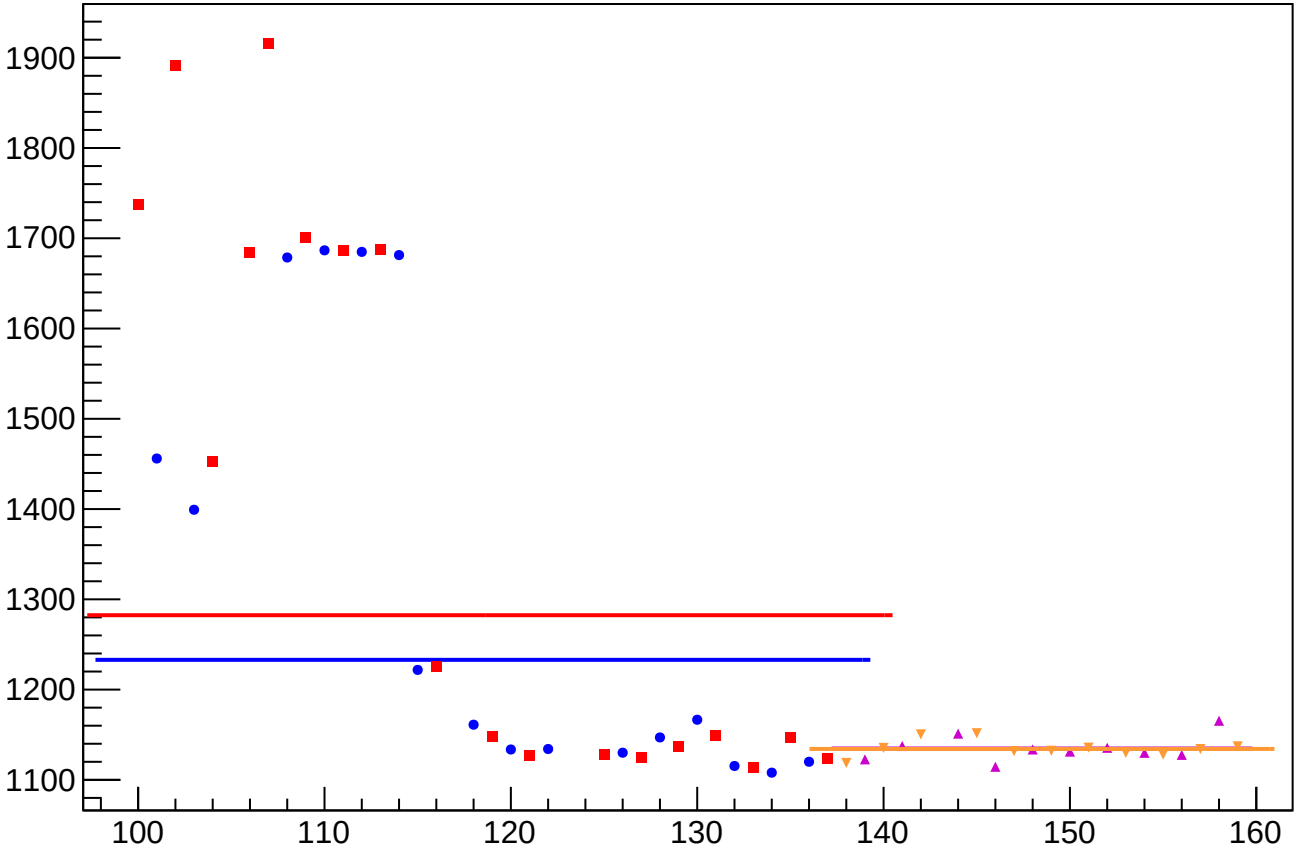
Left In: 3.143+/-384.185 χ^2/NDF:13.0/9

\+ sign -247.200+/-295.600 χ^2/NDF: 21.1/26

All: -180.560+/-210.860 χ^2/NDF: 58.7/54

\- sign -111.521+/-300.871 χ^2/NDF: 37.5/27

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

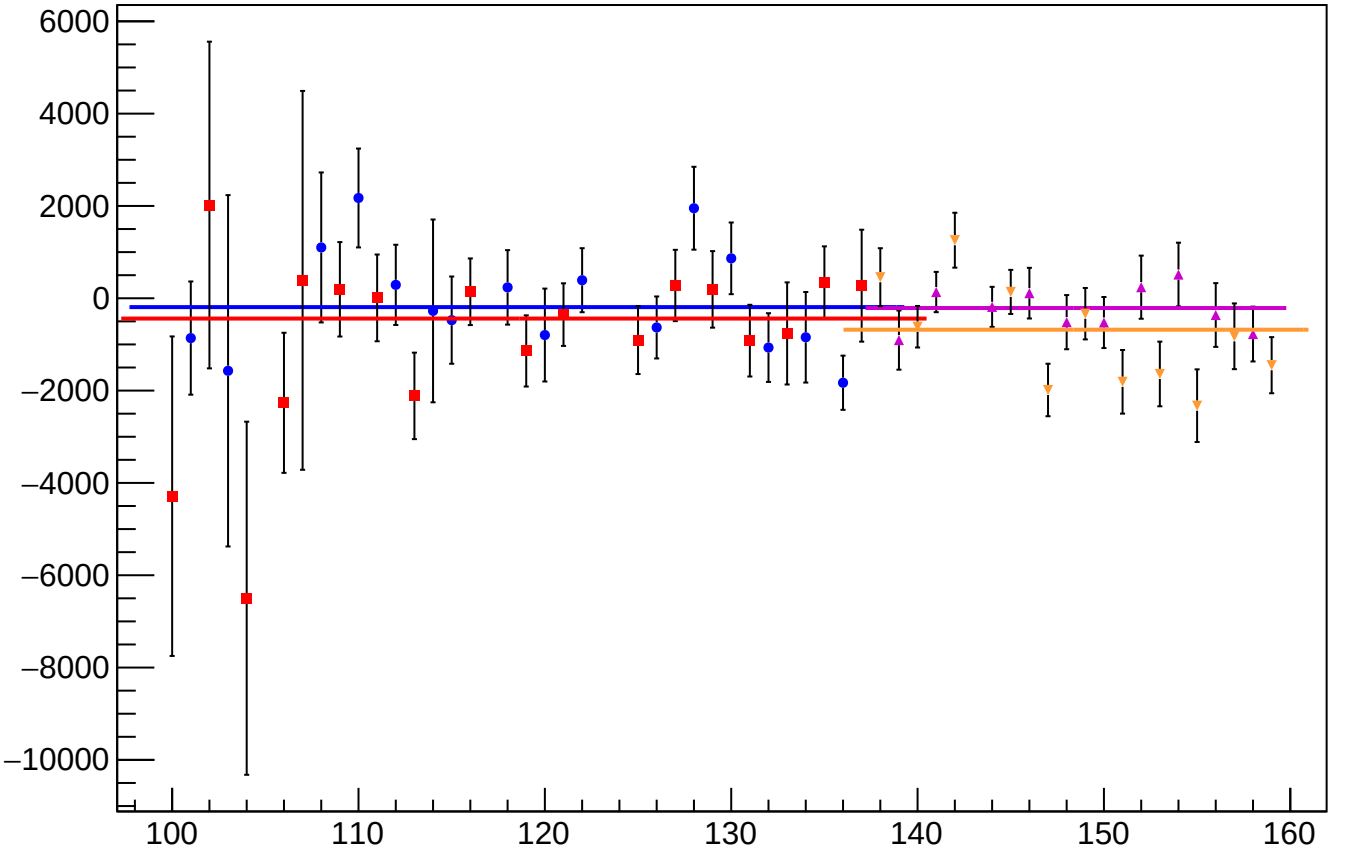
Left In: 1134.732+/-0.272 χ^2/NDF:2510.1/9

+ sign 1174.446+/-0.209 χ^2/NDF: 370264.3/26

All: 1182.988+/-0.149 χ^2/NDF: 1033844.7/54

- sign 1191.837+/-0.213 χ^2/NDF: 660180.3/27

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

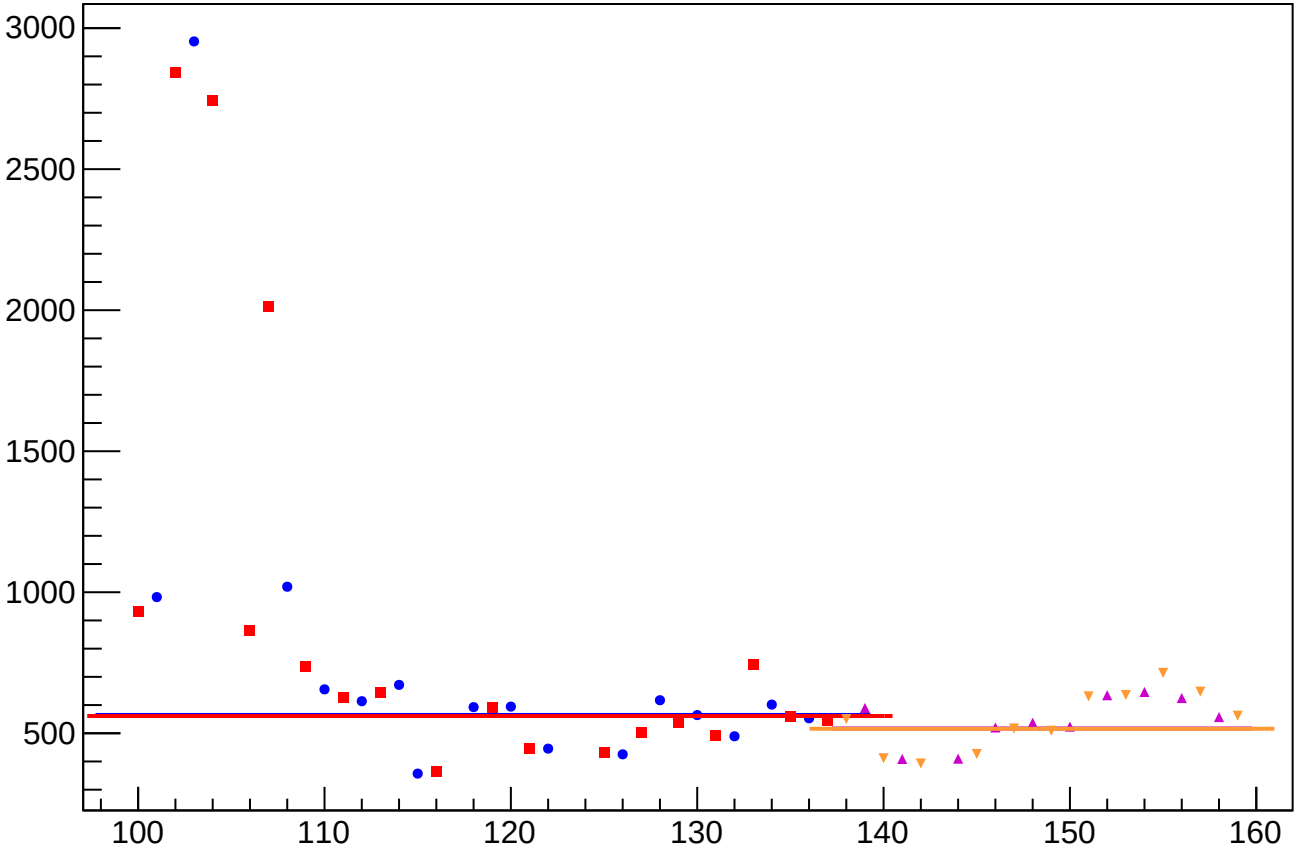
Left In: -211.476+/-177.722 χ^2/NDF:5.2/9

\+ sign -489.695+/-139.214 χ^2/NDF: 61.3/26

All: -394.459+/-98.660 χ^2/NDF: 82.8/54

\- sign -298.361+/-139.842 χ^2/NDF: 20.5/27

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

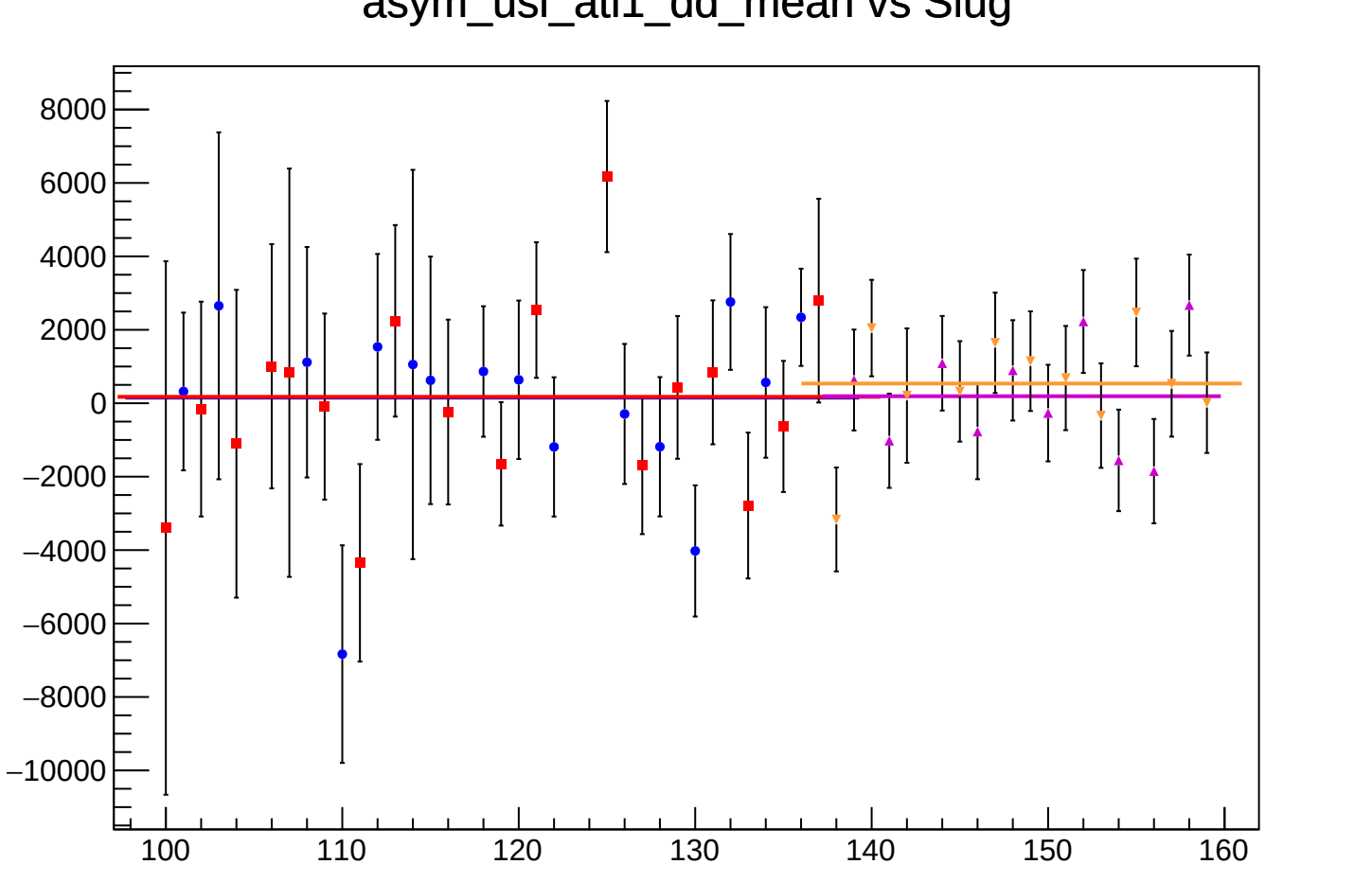
Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 516.951+/-0.126 χ^2/NDF:460880.9/9

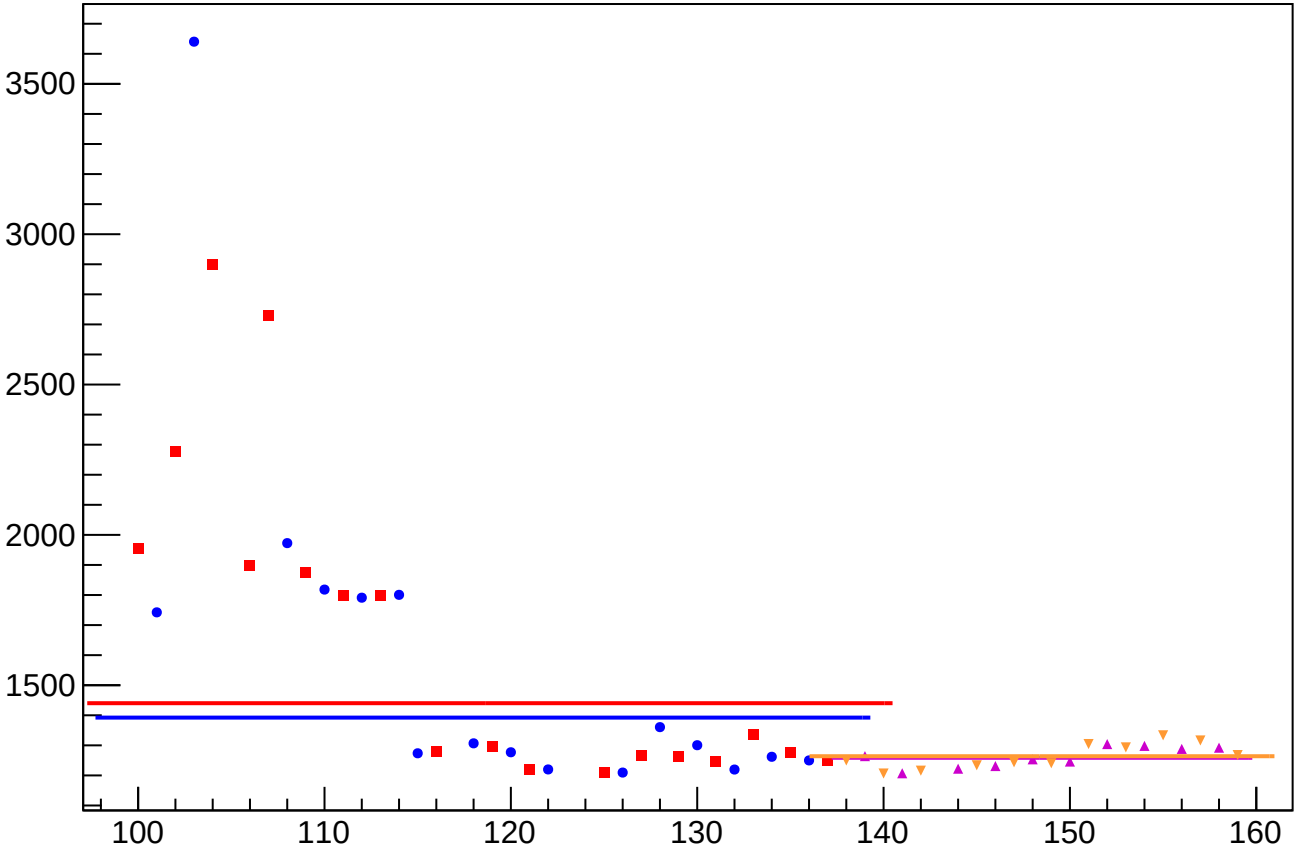
+ sign 535.061+/-0.098 χ^2/NDF: 2130399.5/26

All: 534.449+/-0.070 χ^2/NDF: 4912103.8/54

- sign 533.831+/-0.099 χ^2/NDF: 2781626.6/27


asym_usl_atl1_dd_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: 153.375+/-532.096 χ²/NDF: 17.8/15
Left Out: 536.714+/-427.922 χ²/NDF:11.4/10
Right Out: 174.319+/-550.153 χ²/NDF: 19.7/17
Left In: 191.258+/-426.276 χ²/NDF:11.4/9
+ sign 386.158+/-333.464 χ²/NDF: 29.4/26
All: 286.581+/-237.022 χ²/NDF: 60.7/54
- sign 184.903+/-336.963 χ²/NDF: 31.1/27

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

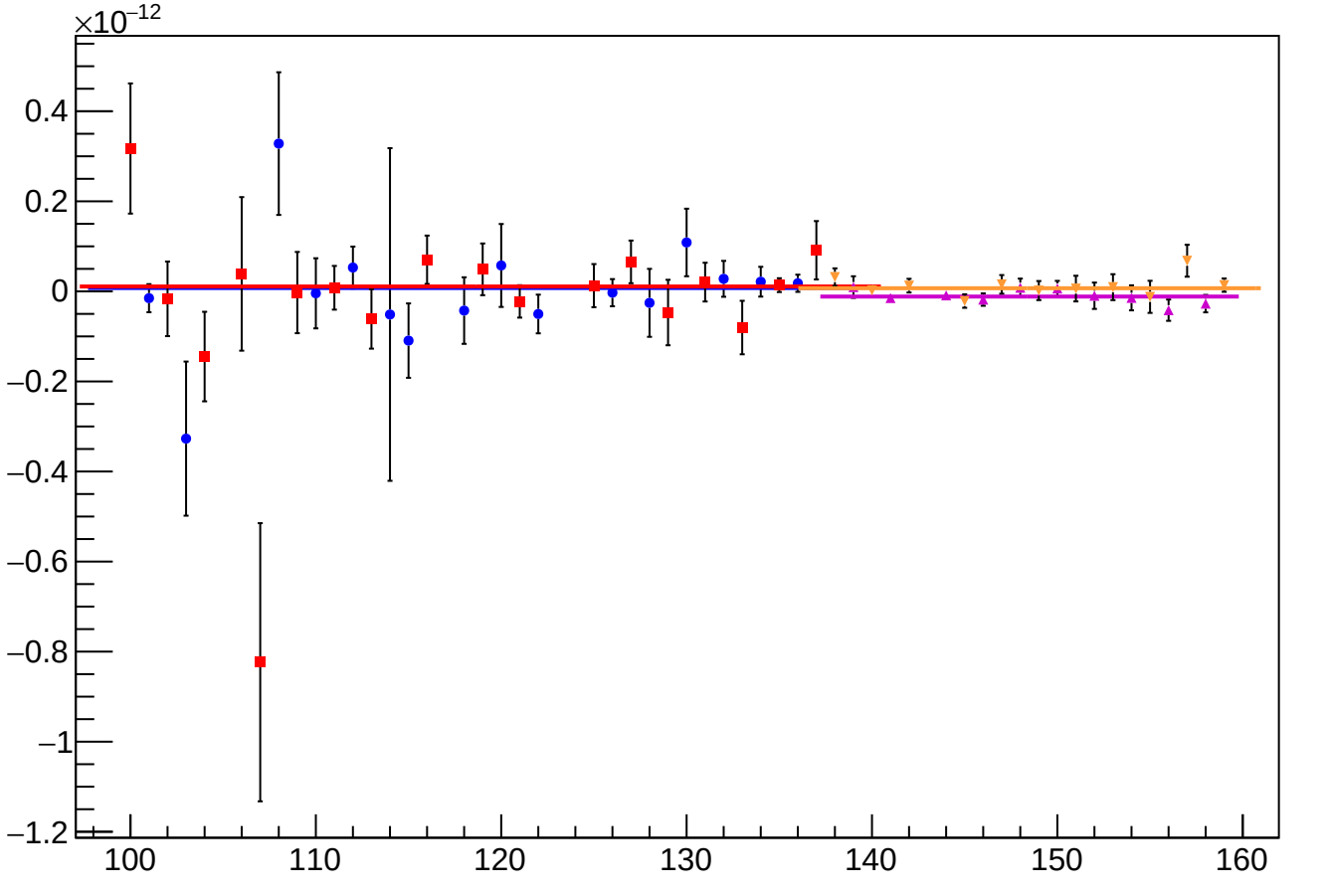
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1258.641+/-0.301 χ^2/NDF:11758.2/9

+ sign 1314.293+/-0.236 χ^2/NDF: 867087.1/26

All: 1320.461+/-0.168 χ^2/NDF: 1871253.8/54

- sign 1326.760+/-0.238 χ^2/NDF: 1002783.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

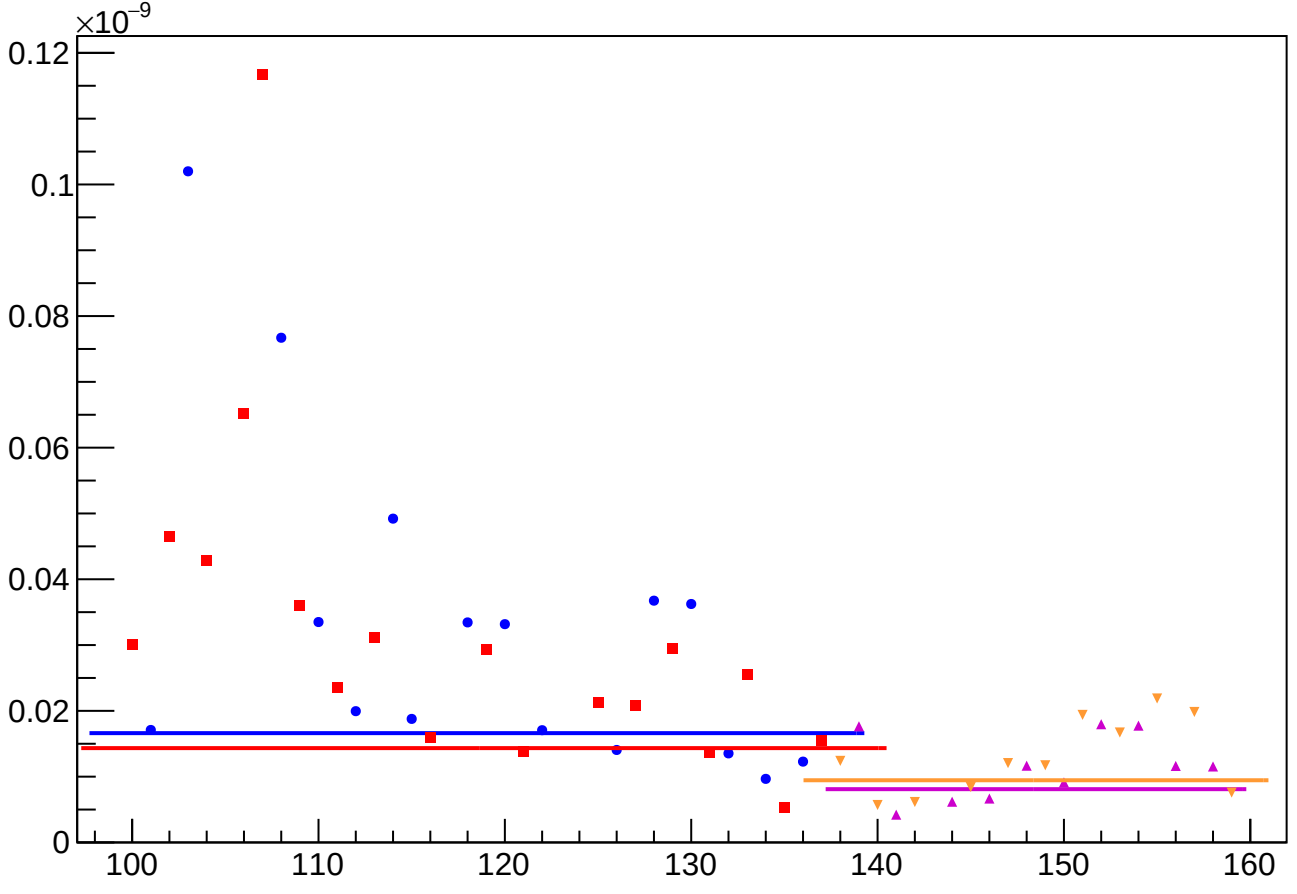
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 26.1/26

All: -0.000+/-0.000 χ^2/NDF: 64.1/54

- sign -0.000+/-0.000 χ^2/NDF: 33.2/27



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

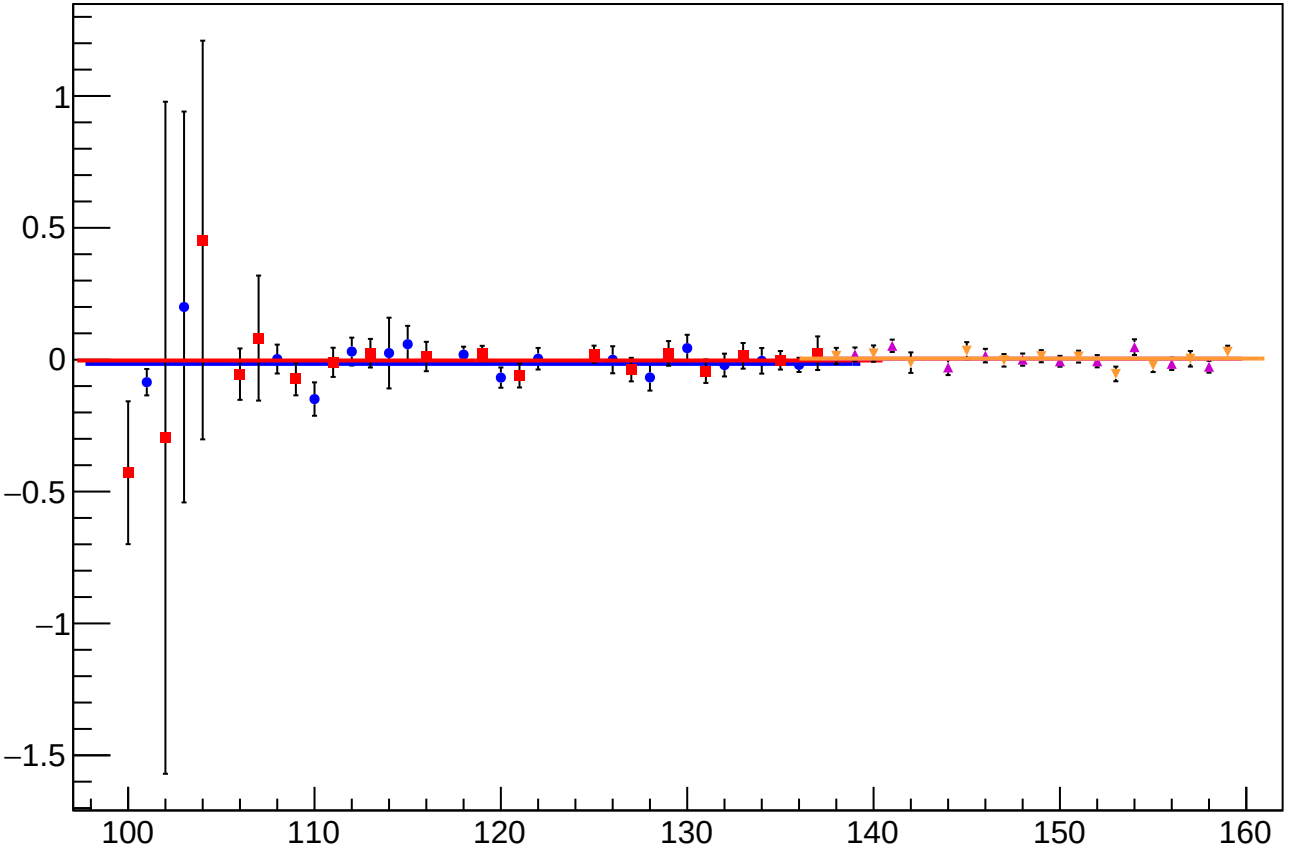
Left In: 0.000+/-0.000 χ^2/NDF:1391644.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 3514223.5/26

All: 0.000+/-0.000 χ^2/NDF: 7858335.8/54

- sign 0.000+/-0.000 χ^2/NDF: 4216285.7/27

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

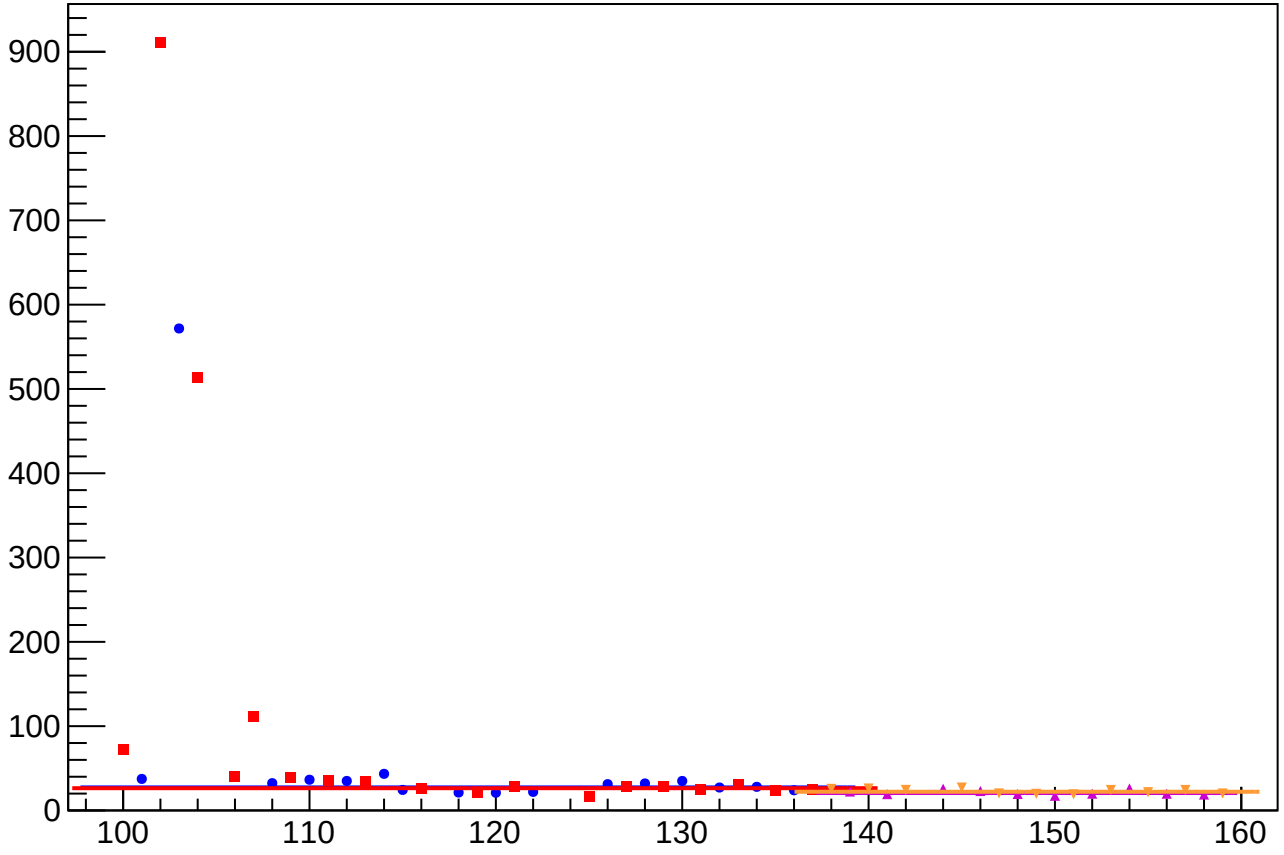
Left In: 0.004+/-0.008 χ^2/NDF:11.3/9

+ sign -0.002+/-0.007 χ^2/NDF: 25.0/26

All: -0.000+/-0.005 χ^2/NDF: 46.6/54

- sign 0.002+/-0.006 χ^2/NDF: 21.4/27

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

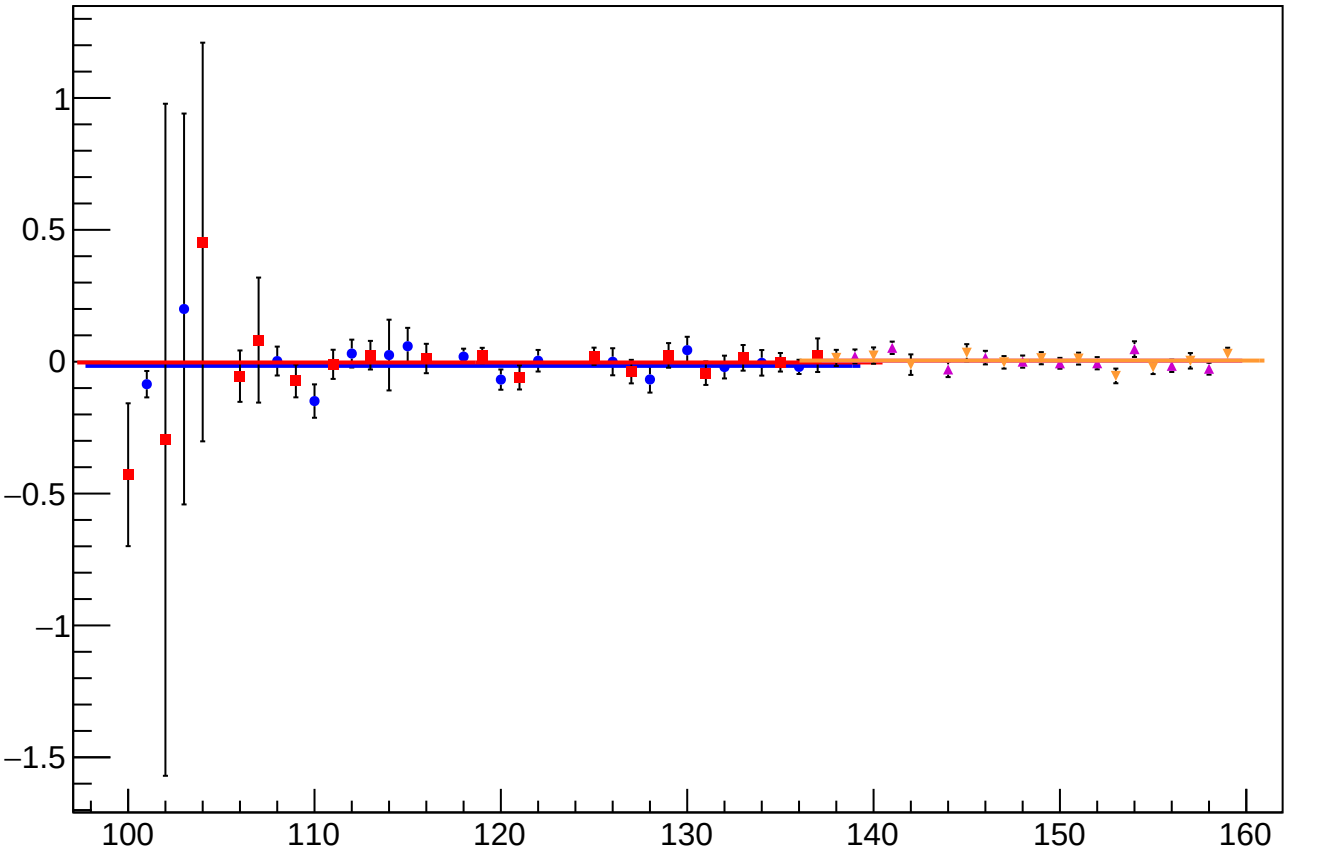
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.677+/-0.005 χ^2/NDF:232994.7/9

+ sign 23.886+/-0.005 χ^2/NDF: 2050664.8/26

All: 23.091+/-0.003 χ^2/NDF: 5275727.3/54

- sign 22.337+/-0.005 χ^2/NDF: 3169398.9/27



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.008 χ^2/NDF:8.4/10

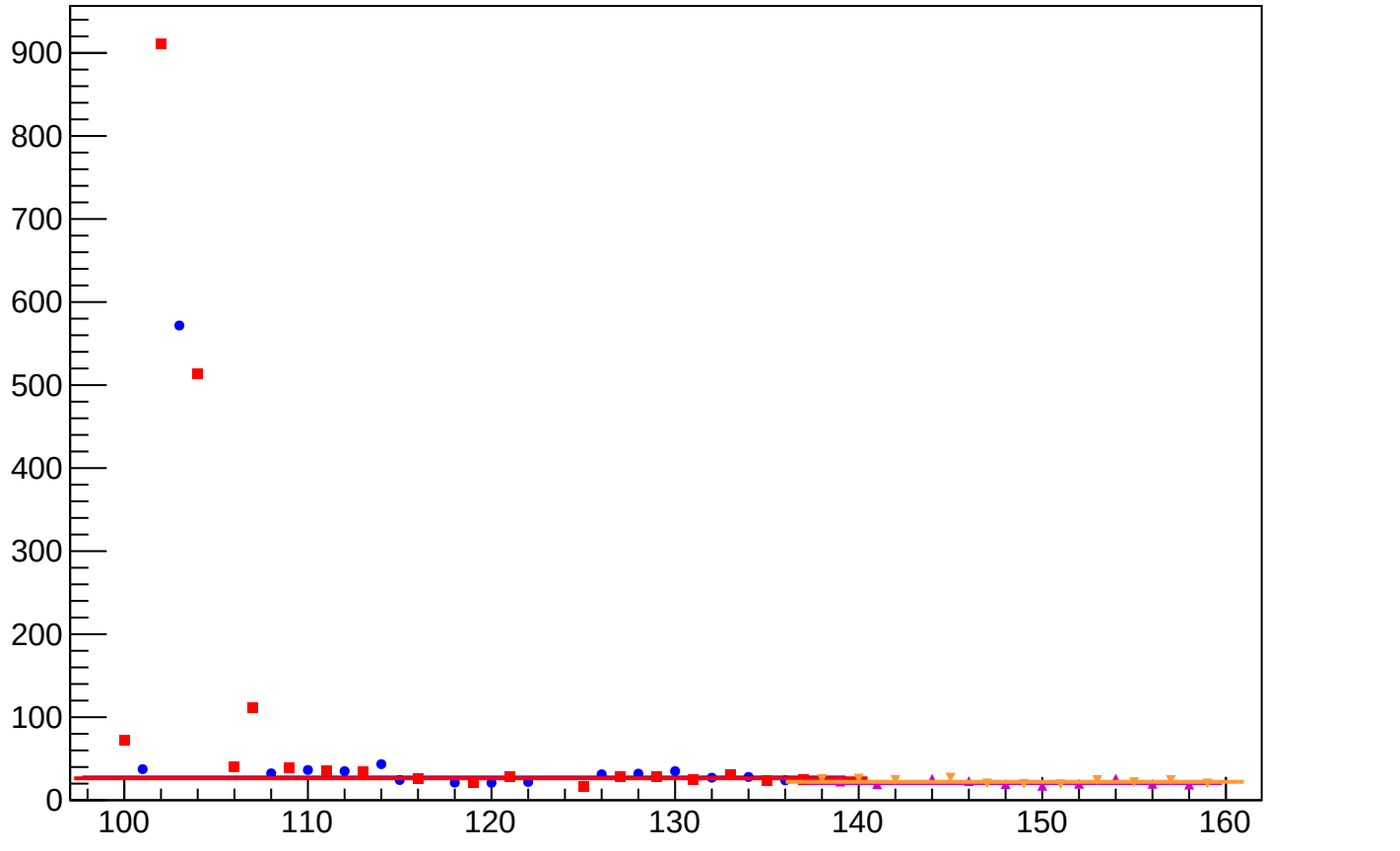
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.004+/-0.008 χ^2/NDF:11.3/9

+ sign -0.002+/-0.007 χ^2/NDF: 25.0/26

All: -0.000+/-0.005 χ^2/NDF: 46.6/54

- sign 0.002+/-0.006 χ^2/NDF: 21.4/27



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.194+/-0.006 χ^2/NDF:220785.8/10

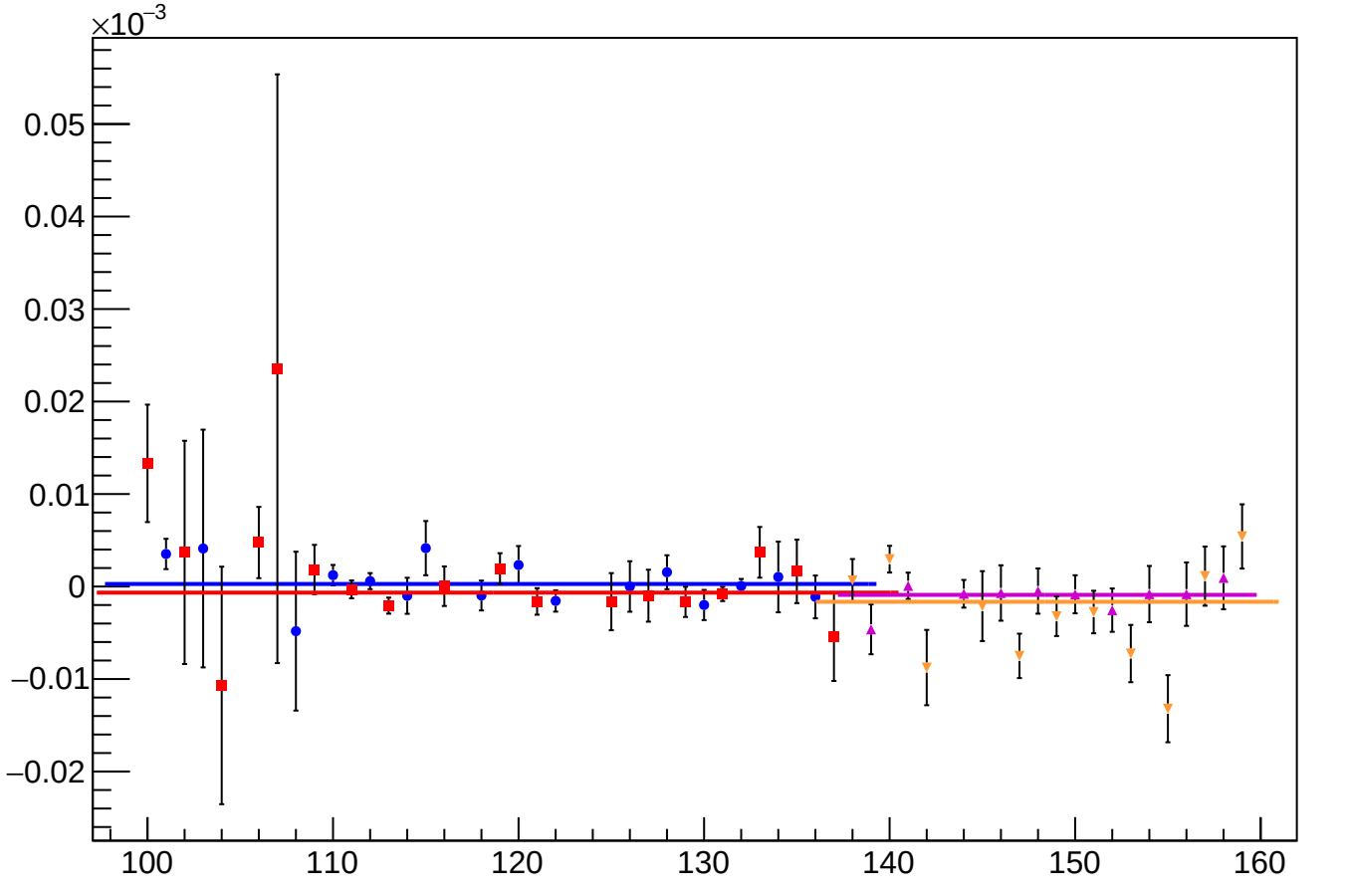
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.677+/-0.005 χ^2/NDF:232994.7/9

+ sign 23.886+/-0.005 χ^2/NDF: 2050664.8/26

All: 23.091+/-0.003 χ^2/NDF: 5275727.3/54

- sign 22.337+/-0.005 χ^2/NDF: 3169398.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

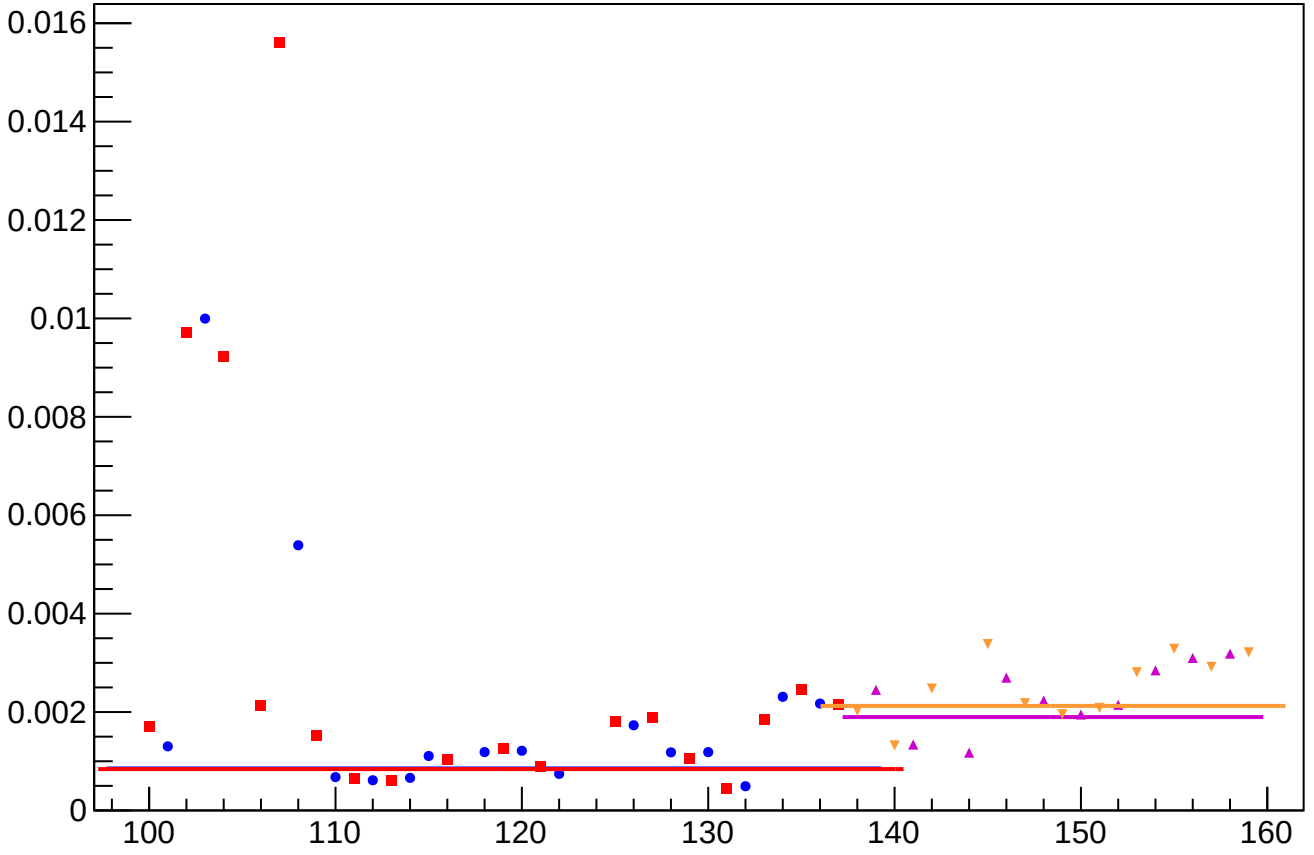
Left In: -0.000+/-0.000 χ^2/NDF:3.2/9

\+ sign -0.000+/-0.000 χ^2/NDF: 58.8/26

All: -0.000+/-0.000 χ^2/NDF: 83.0/54

\- sign -0.000+/-0.000 χ^2/NDF: 22.6/27

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

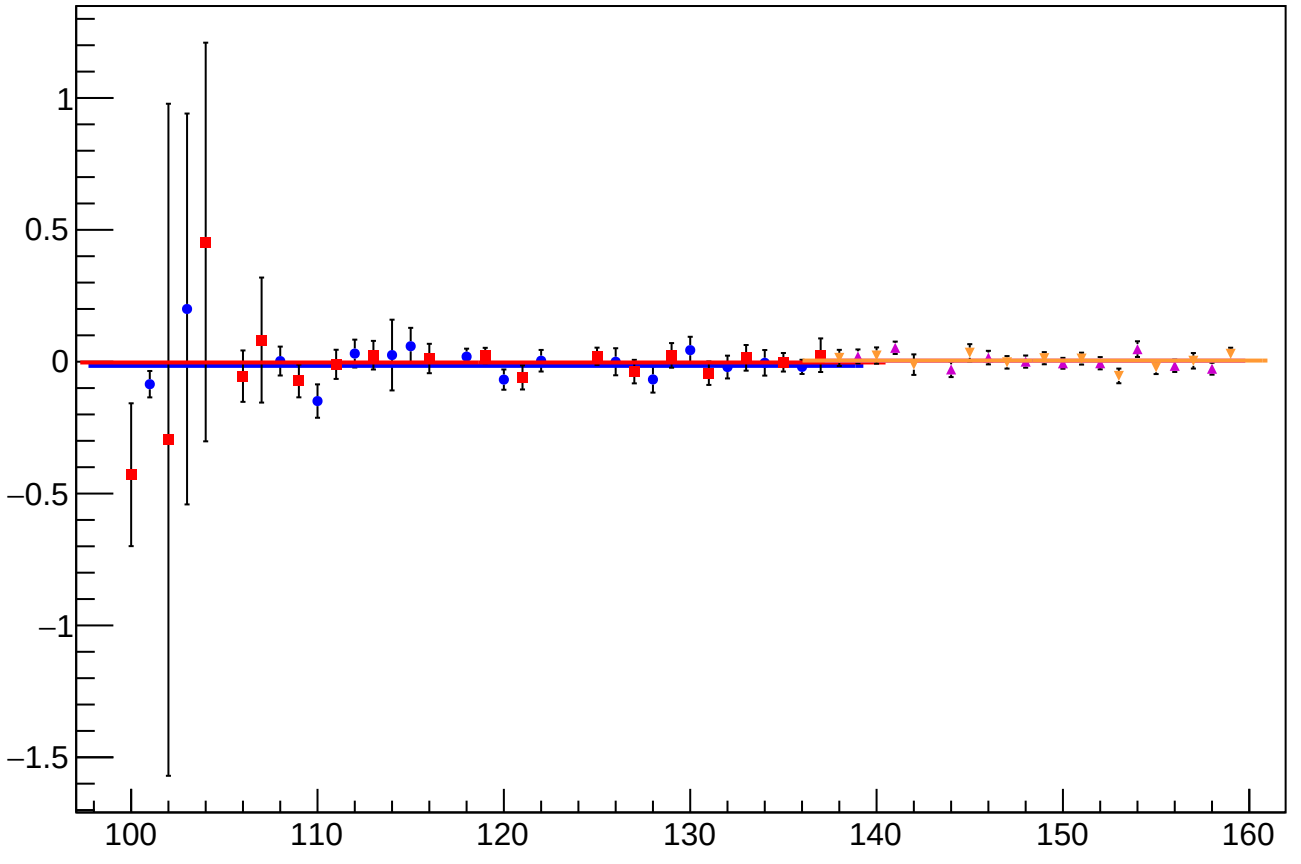
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1788759.2/9

+ sign 0.001+/-0.000 χ^2/NDF: 9864772.0/26

All: 0.001+/-0.000 χ^2/NDF: 20147758.0/54

- sign 0.001+/-0.000 χ^2/NDF: 10282875.5/27



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.008 χ^2/NDF:8.4/10

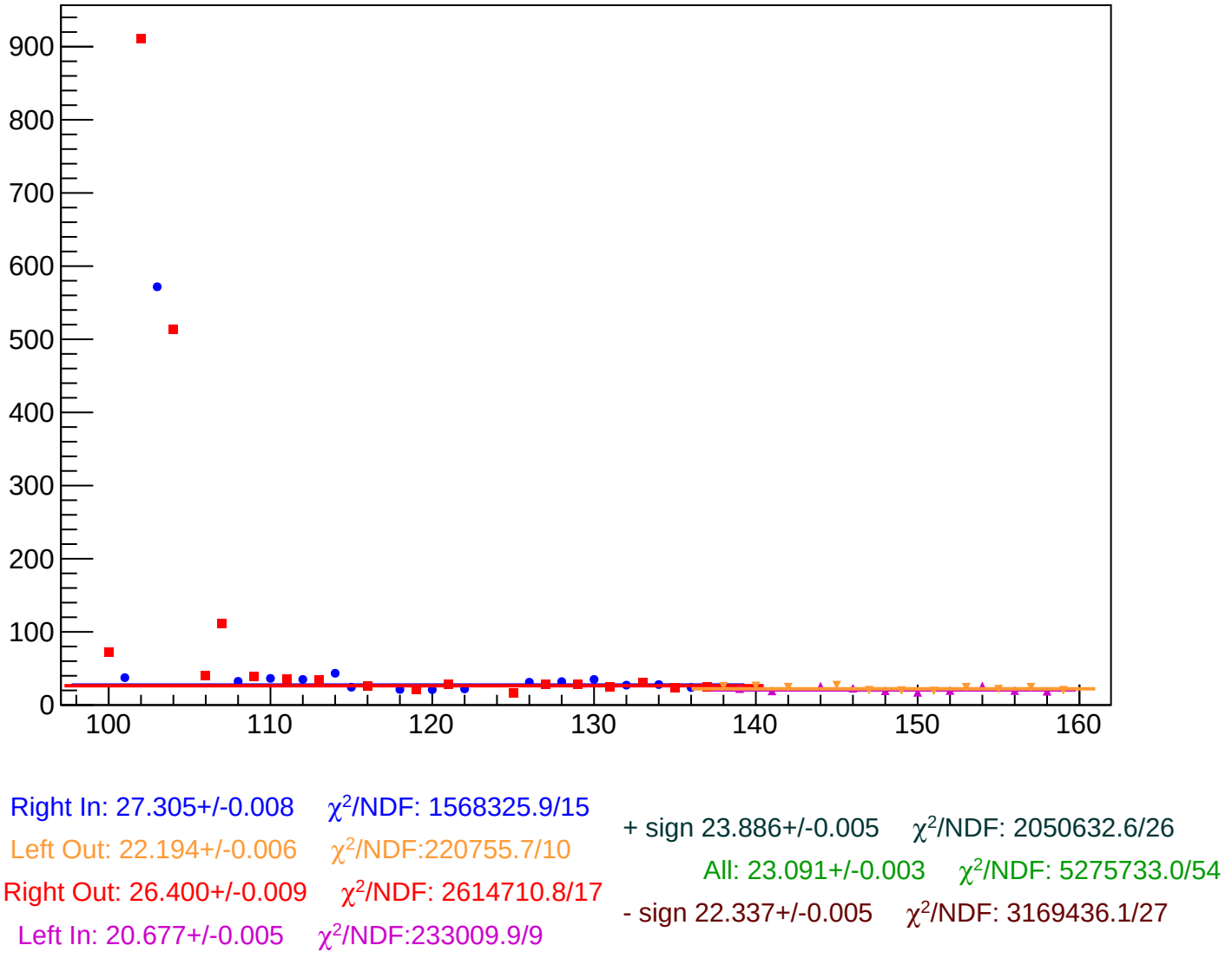
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

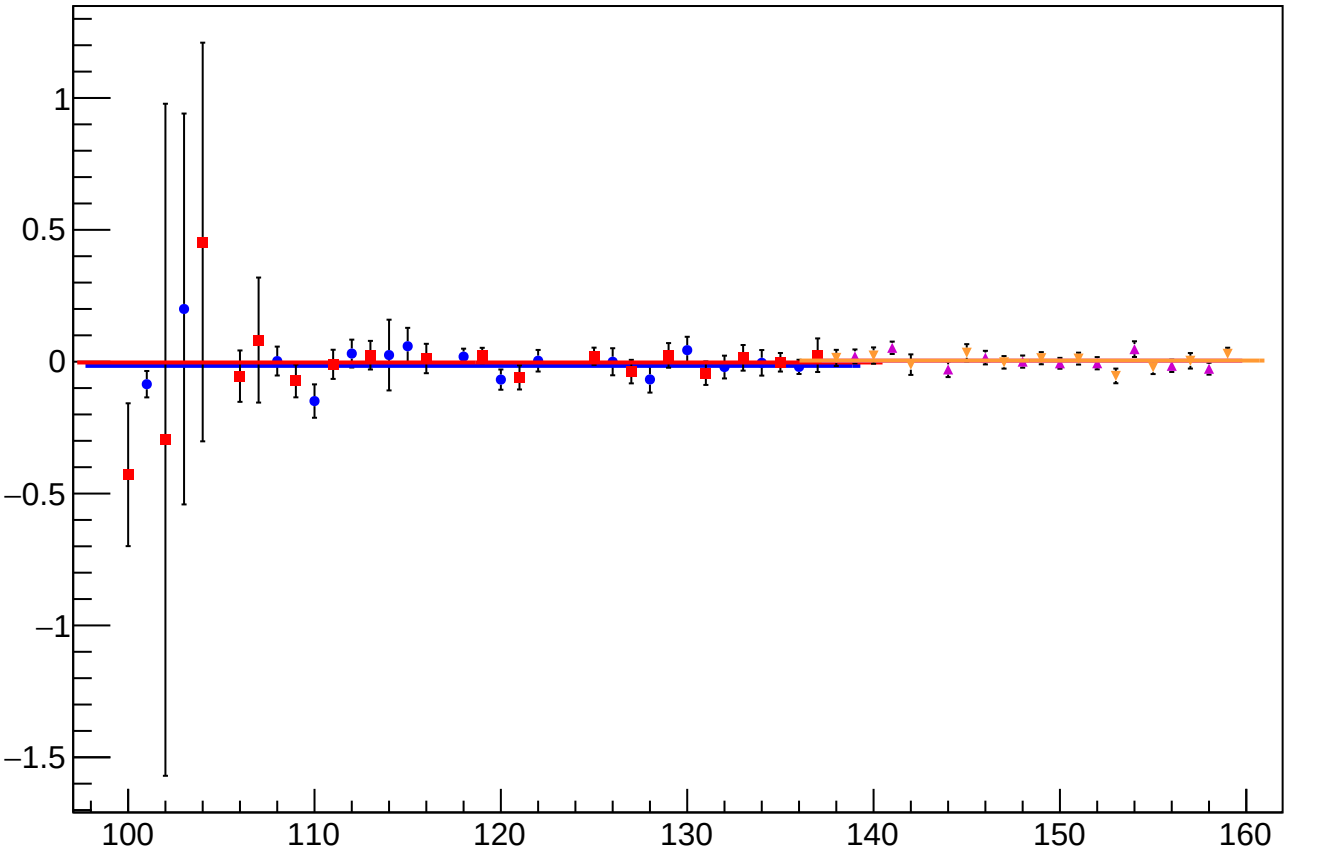
Left In: 0.004+/-0.008 χ^2/NDF:11.3/9

+ sign -0.002+/-0.007 χ^2/NDF: 25.0/26

All: -0.000+/-0.005 χ^2/NDF: 46.6/54

- sign 0.002+/-0.006 χ^2/NDF: 21.4/27


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 22.194+/-0.006 χ²/NDF:220755.7/10
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 20.677+/-0.005 χ²/NDF:233009.9/9
+ sign 23.886+/-0.005 χ²/NDF: 2050632.6/26
All: 23.091+/-0.003 χ²/NDF: 5275733.0/54
- sign 22.337+/-0.005 χ²/NDF: 3169436.1/27



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.008 χ^2/NDF:8.4/10

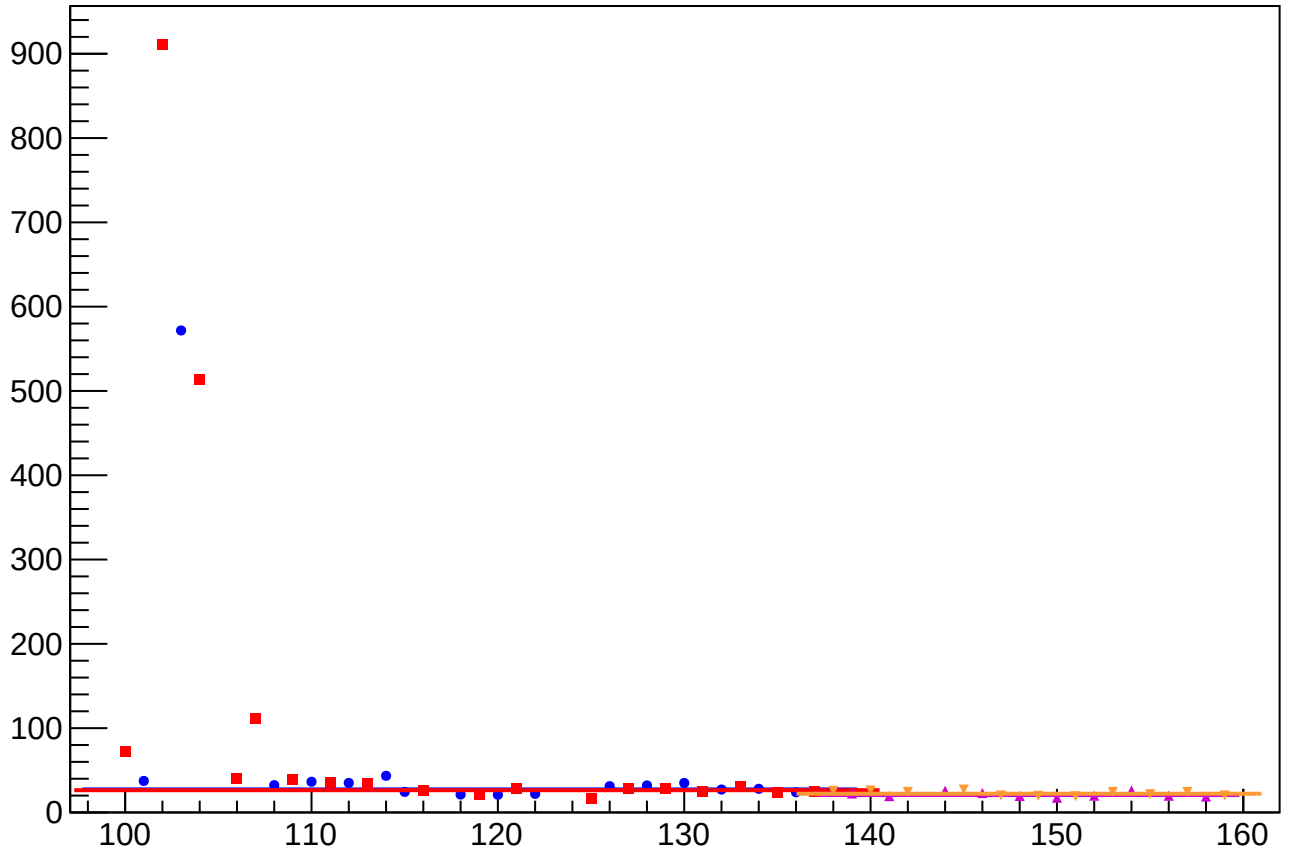
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.004+/-0.008 χ^2/NDF:11.3/9

+ sign -0.002+/-0.007 χ^2/NDF: 25.0/26

All: -0.000+/-0.005 χ^2/NDF: 46.6/54

- sign 0.002+/-0.006 χ^2/NDF: 21.4/27



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.194+/-0.006 χ^2/NDF:220755.7/10

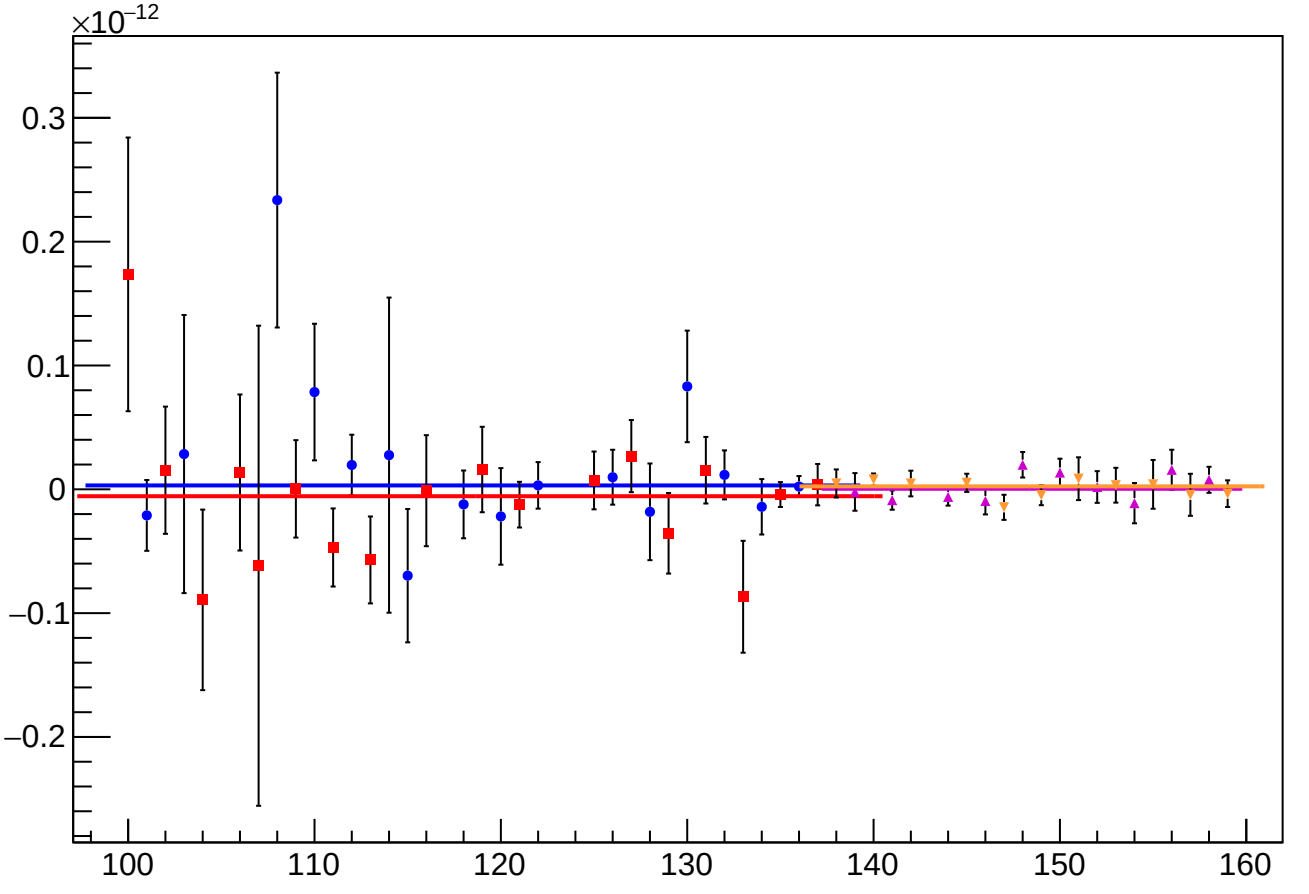
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.677+/-0.005 χ^2/NDF:233009.9/9

+ sign 23.886+/-0.005 χ^2/NDF: 2050632.6/26

All: 23.091+/-0.003 χ^2/NDF: 5275733.0/54

- sign 22.337+/-0.005 χ^2/NDF: 3169436.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/10

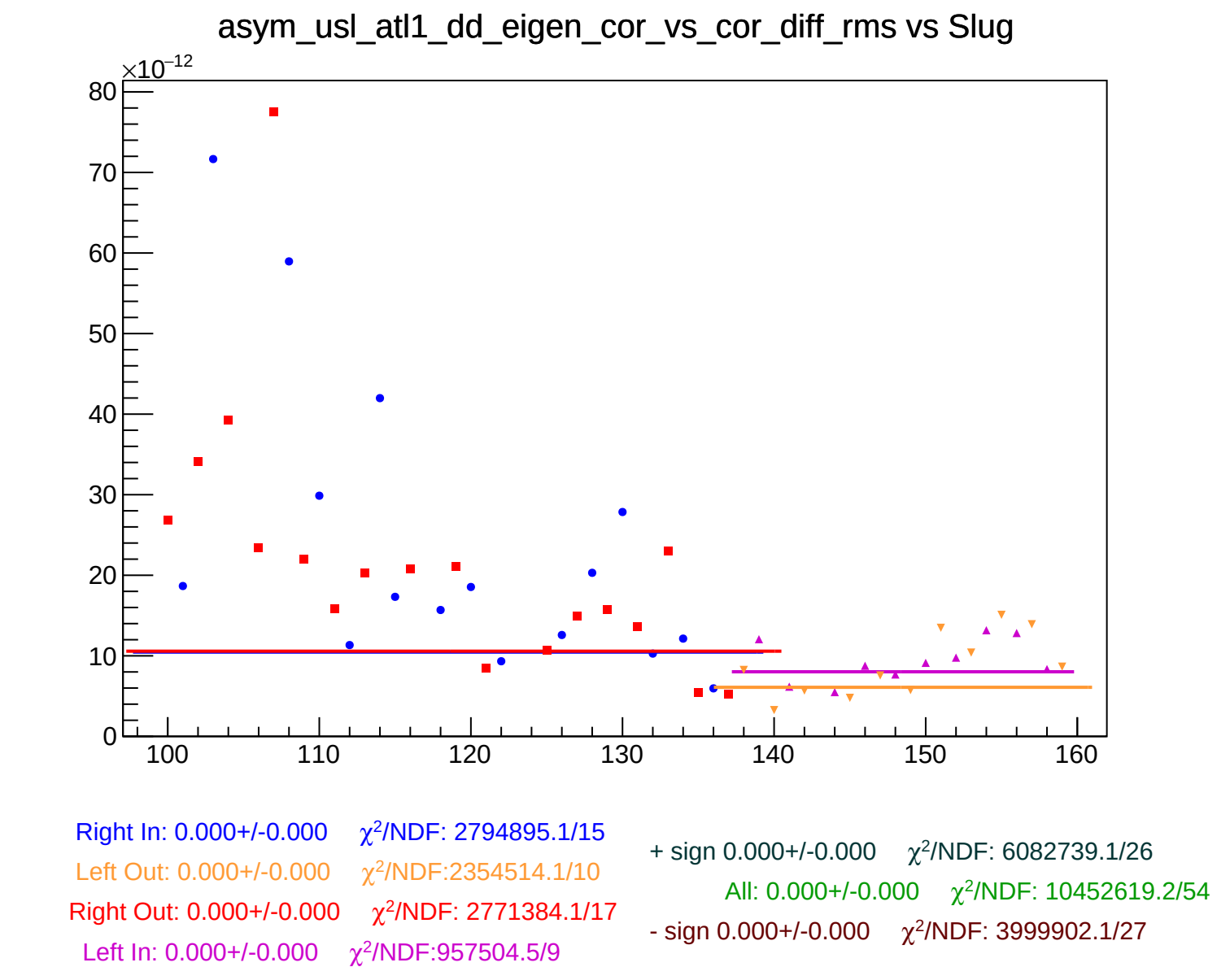
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/9

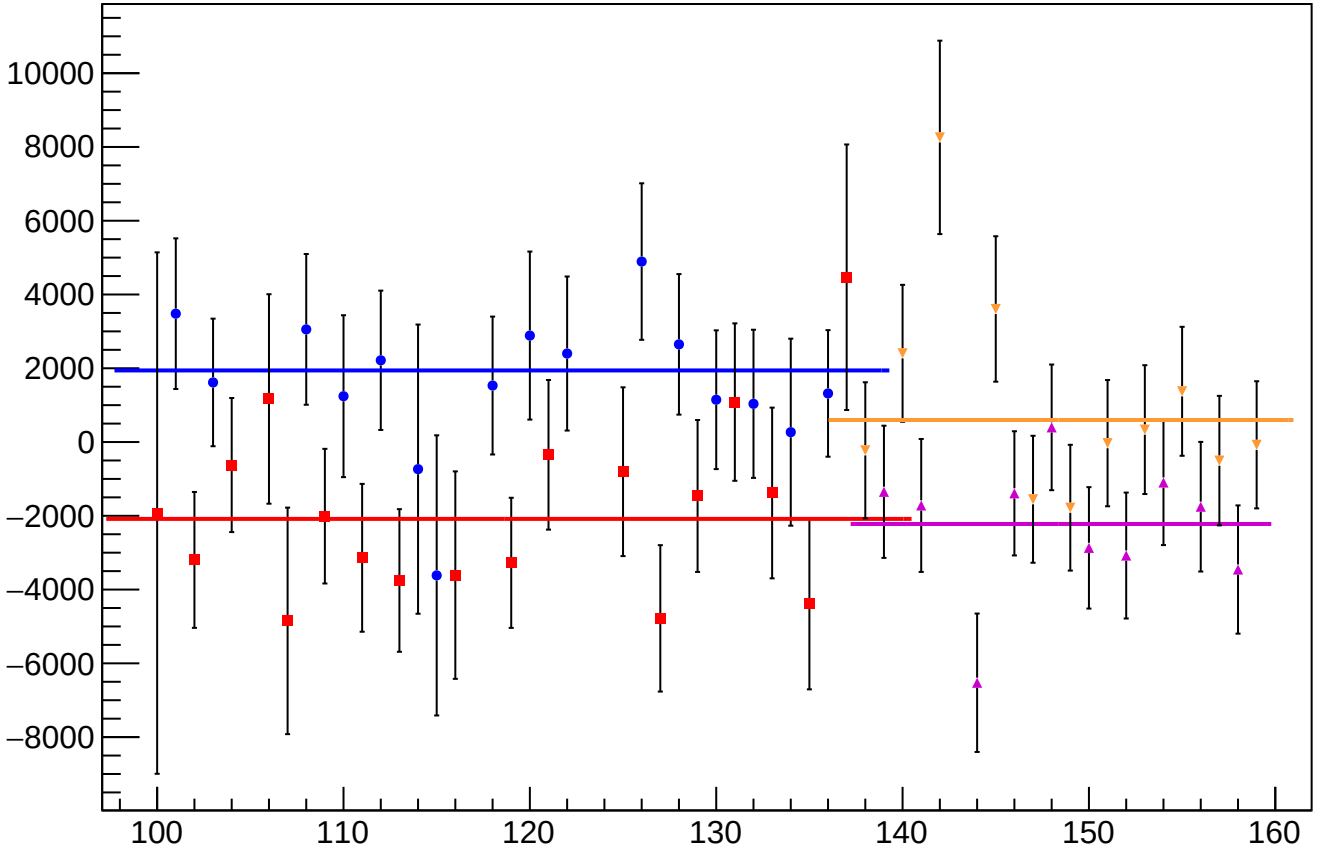
+ sign 0.000+/-0.000 χ^2/NDF: 20.7/26

All: 0.000+/-0.000 χ^2/NDF: 47.4/54

- sign -0.000+/-0.000 χ^2/NDF: 25.9/27


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:957504.5/9
+ sign 0.000+/-0.000 χ²/NDF: 6082739.1/26
All: 0.000+/-0.000 χ²/NDF: 10452619.2/54
- sign 0.000+/-0.000 χ²/NDF: 3999902.1/27

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

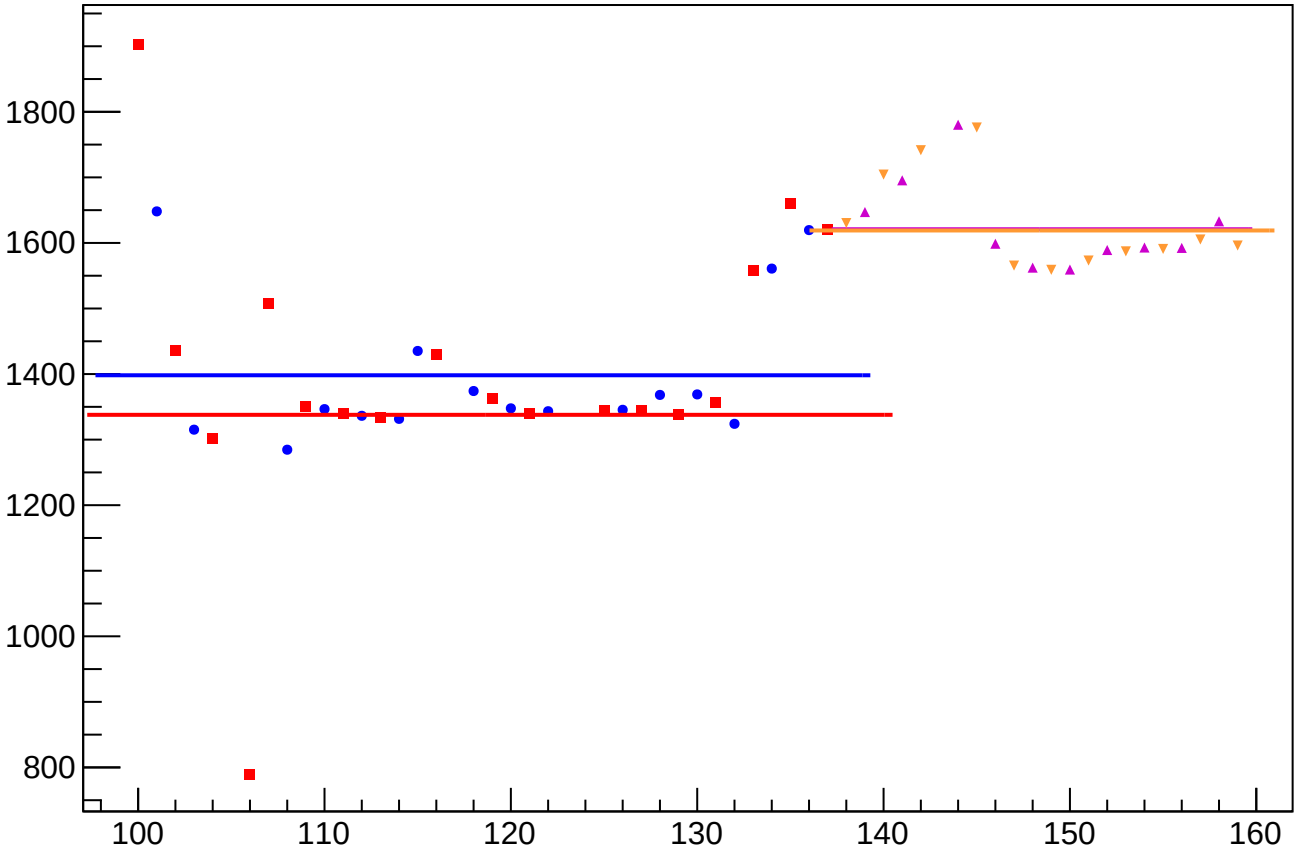
Left In: -2221.532+/-549.227 χ^2/NDF:9.6/9

+ sign 1302.039+/-378.151 χ^2/NDF: 26.5/26

All: -426.665+/-267.143 χ^2/NDF: 92.3/54

- sign -2148.929+/-377.446 χ^2/NDF: 24.1/27

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

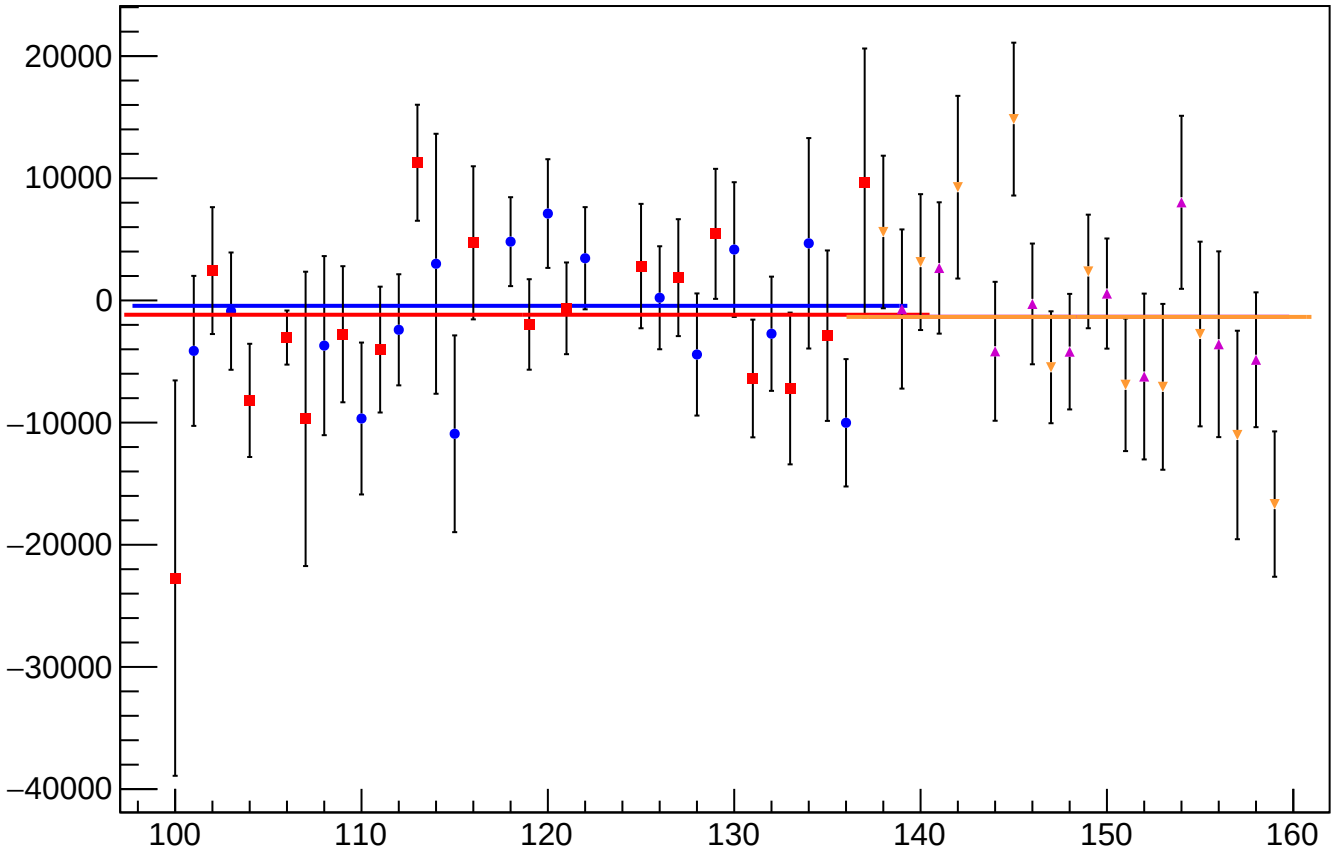
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

+ sign 1503.194+/-0.267 χ^2/NDF: 292939.2/26

All: 1484.776+/-0.187 χ^2/NDF: 934440.8/54

- sign 1467.041+/-0.262 χ^2/NDF: 632188.7/27



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

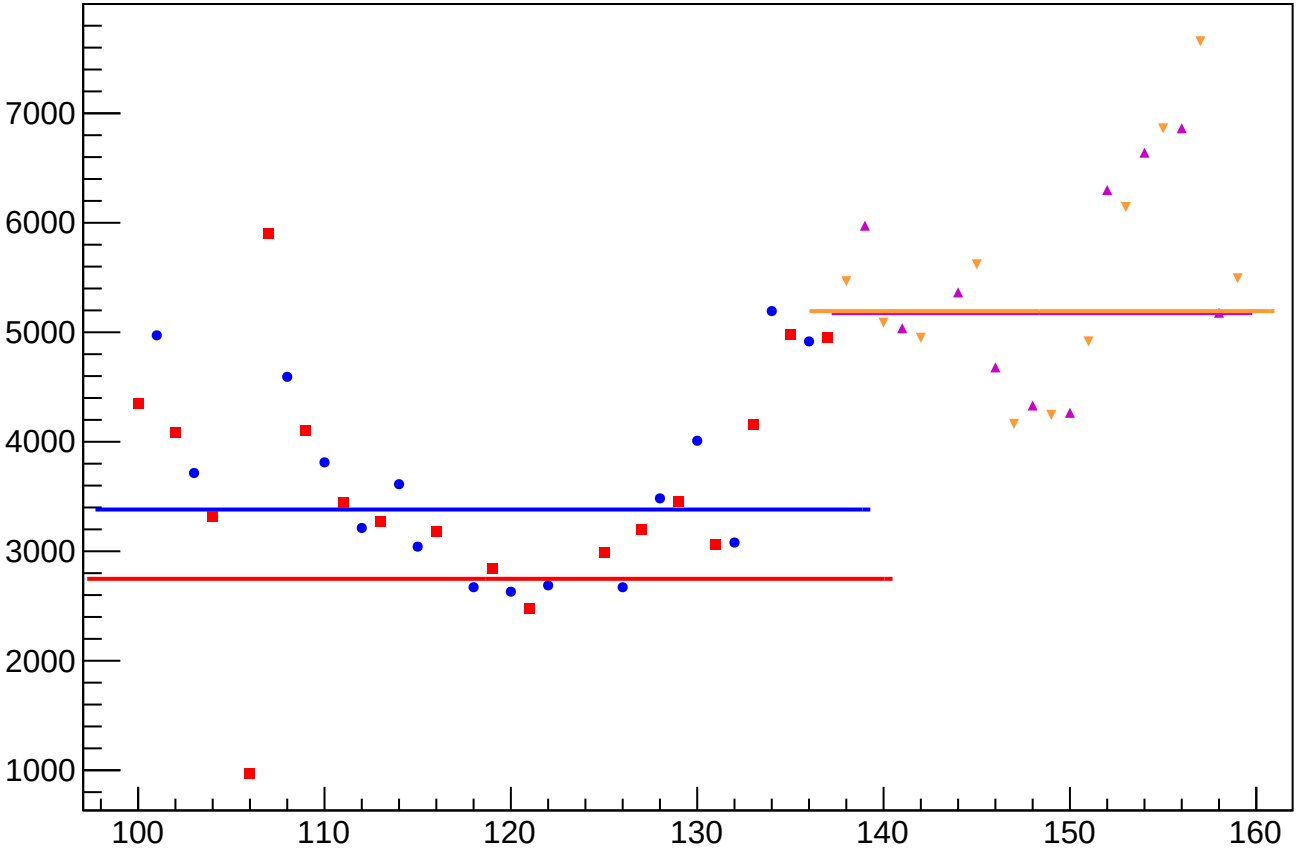
Left In: -1335.027+/-1779.588 χ^2/NDF:4.2/9

+ sign -752.229+/-1050.641 χ^2/NDF: 37.8/26

All: -1008.971+/-703.765 χ^2/NDF: 61.8/54

- sign -1217.923+/-947.829 χ^2/NDF: 23.8/27

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5193.293+/-1.269 χ^2/NDF:513878.0/10

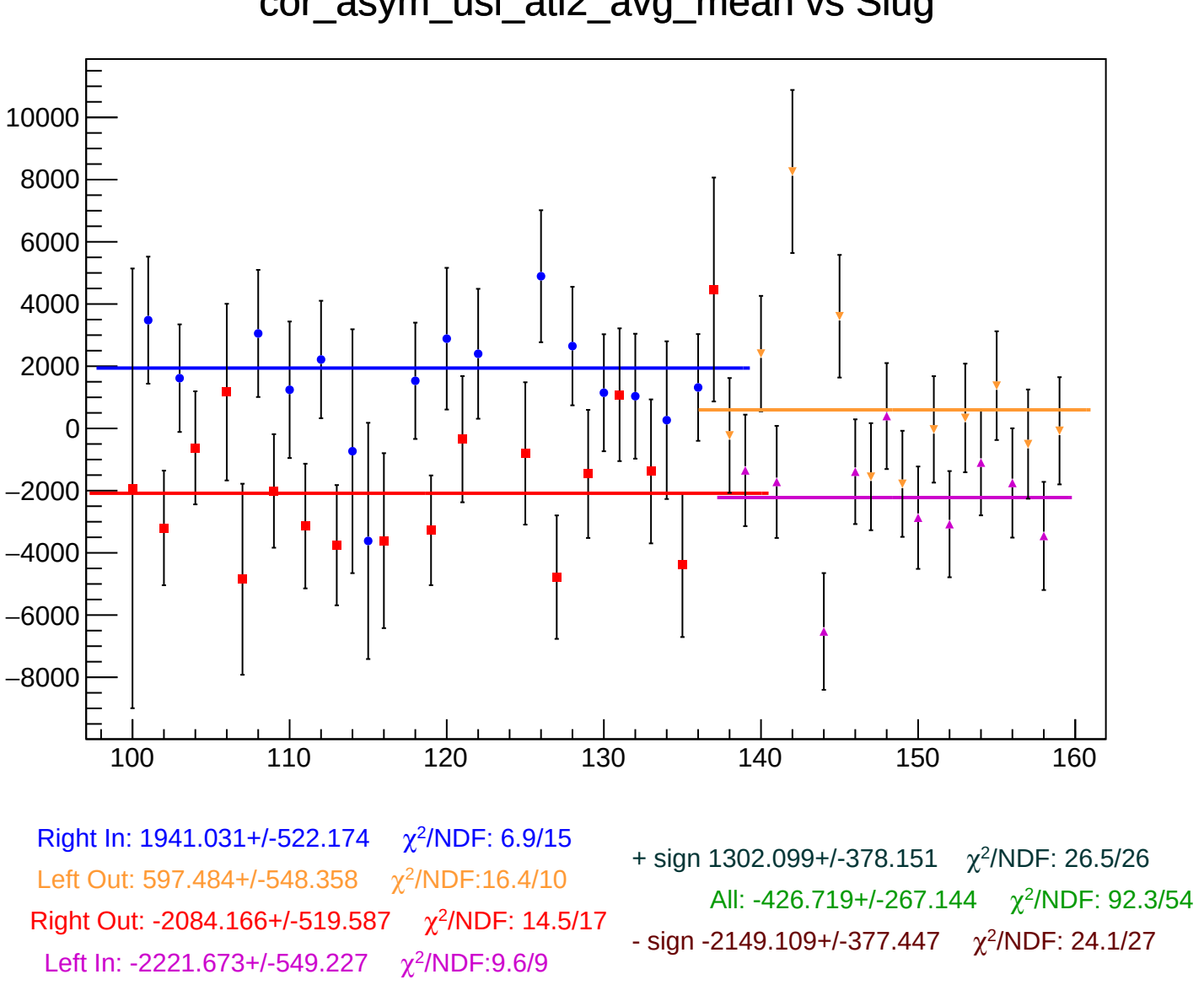
Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5175.359+/-1.258 χ^2/NDF:438073.6/9

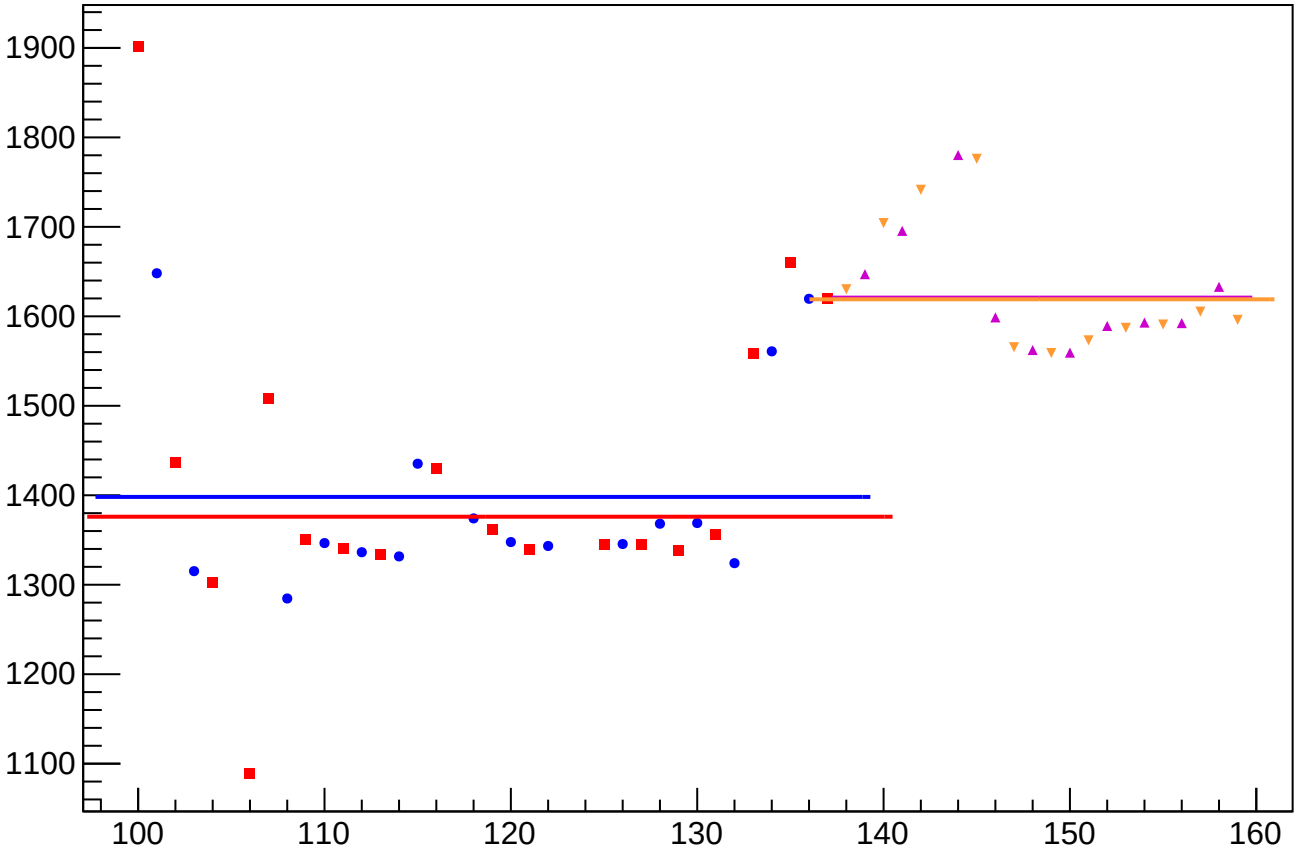
+ sign 4002.173+/-0.743 χ^2/NDF: 2611341.6/26

All: 3690.504+/-0.498 χ^2/NDF: 8297840.4/54

- sign 3436.848+/-0.670 χ^2/NDF: 5367261.8/27


cor_asym_usl_atl2_avg_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 1941.031+/-522.174 χ²/NDF: 6.9/15
Left Out: 597.484+/-548.358 χ²/NDF:16.4/10
Right Out: -2084.166+/-519.587 χ²/NDF: 14.5/17
Left In: -2221.673+/-549.227 χ²/NDF:9.6/9
+ sign 1302.099+/-378.151 χ²/NDF: 26.5/26
All: -426.719+/-267.144 χ²/NDF: 92.3/54
- sign -2149.109+/-377.447 χ²/NDF: 24.1/27

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

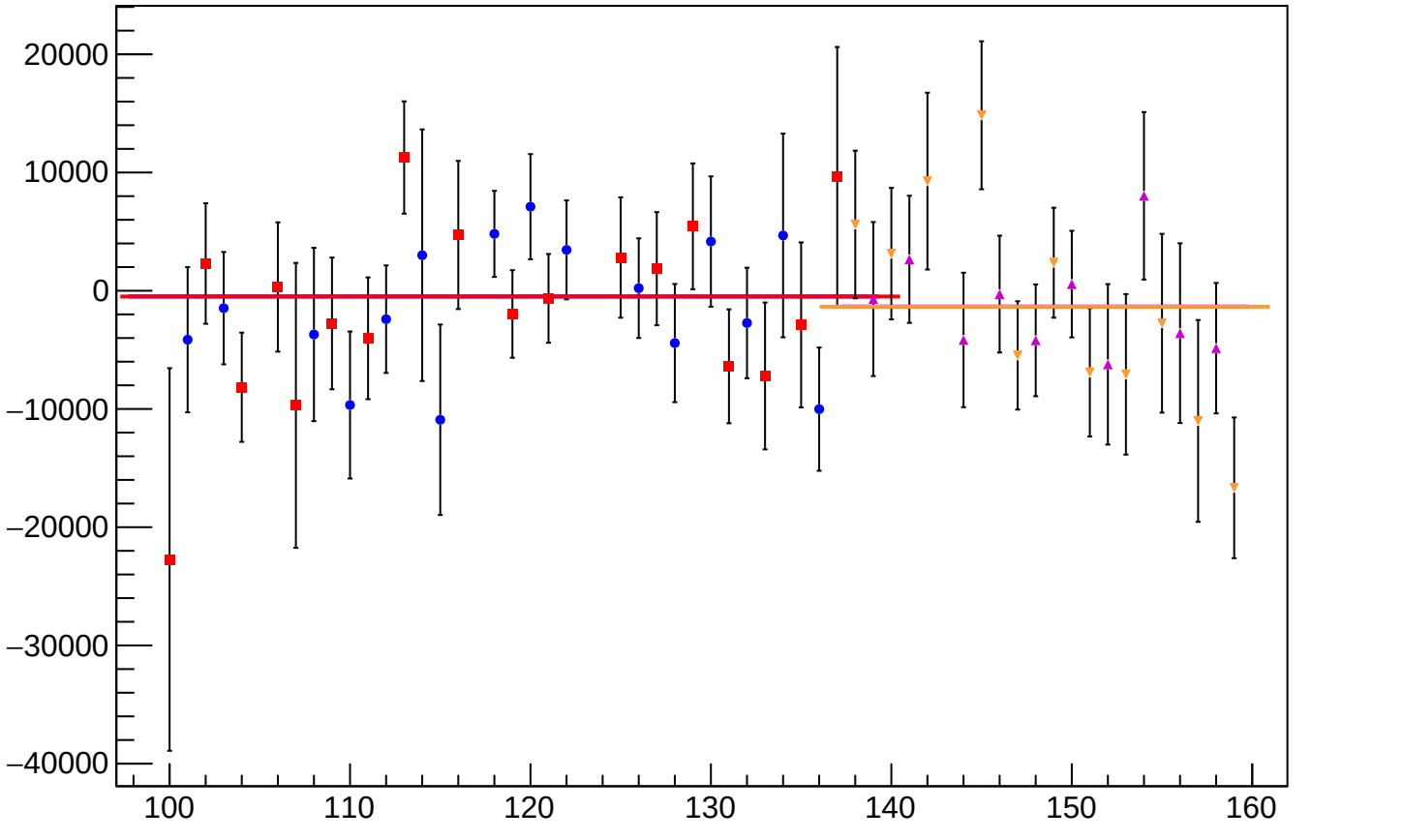
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

+ sign 1503.194+/-0.267 χ^2/NDF: 292939.3/26

All: 1496.561+/-0.188 χ^2/NDF: 646296.3/54

- sign 1490.045+/-0.265 χ^2/NDF: 352137.1/27



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1348.931+/-1794.690 χ^2/NDF:21.8/10

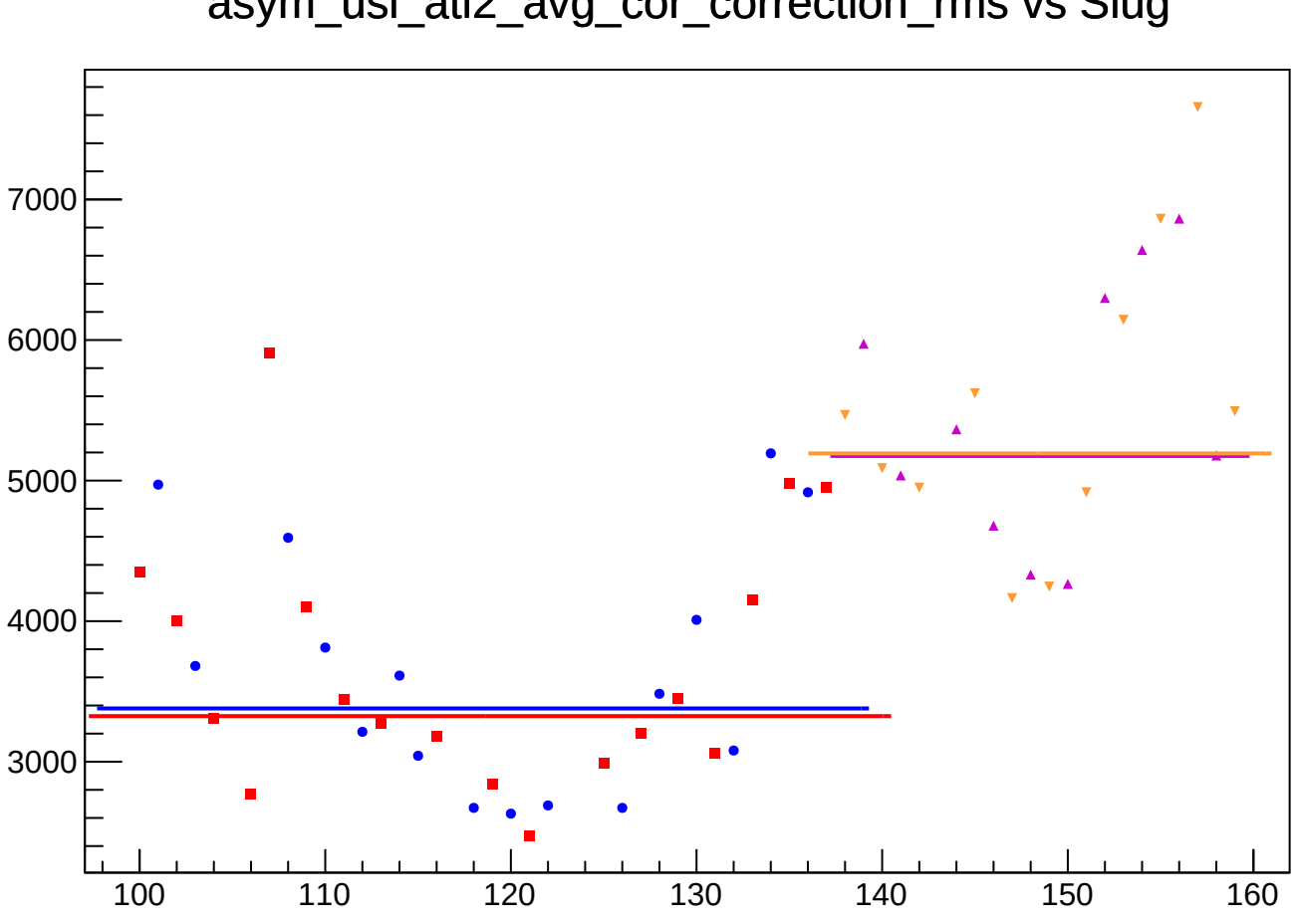
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1335.171+/-1779.586 χ^2/NDF:4.2/9

\+ sign -781.812+/-1050.116 χ^2/NDF: 37.9/26

All: -776.638+/-734.984 χ^2/NDF: 60.9/54

\- sign -771.670+/-1029.053 χ^2/NDF: 23.0/27



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

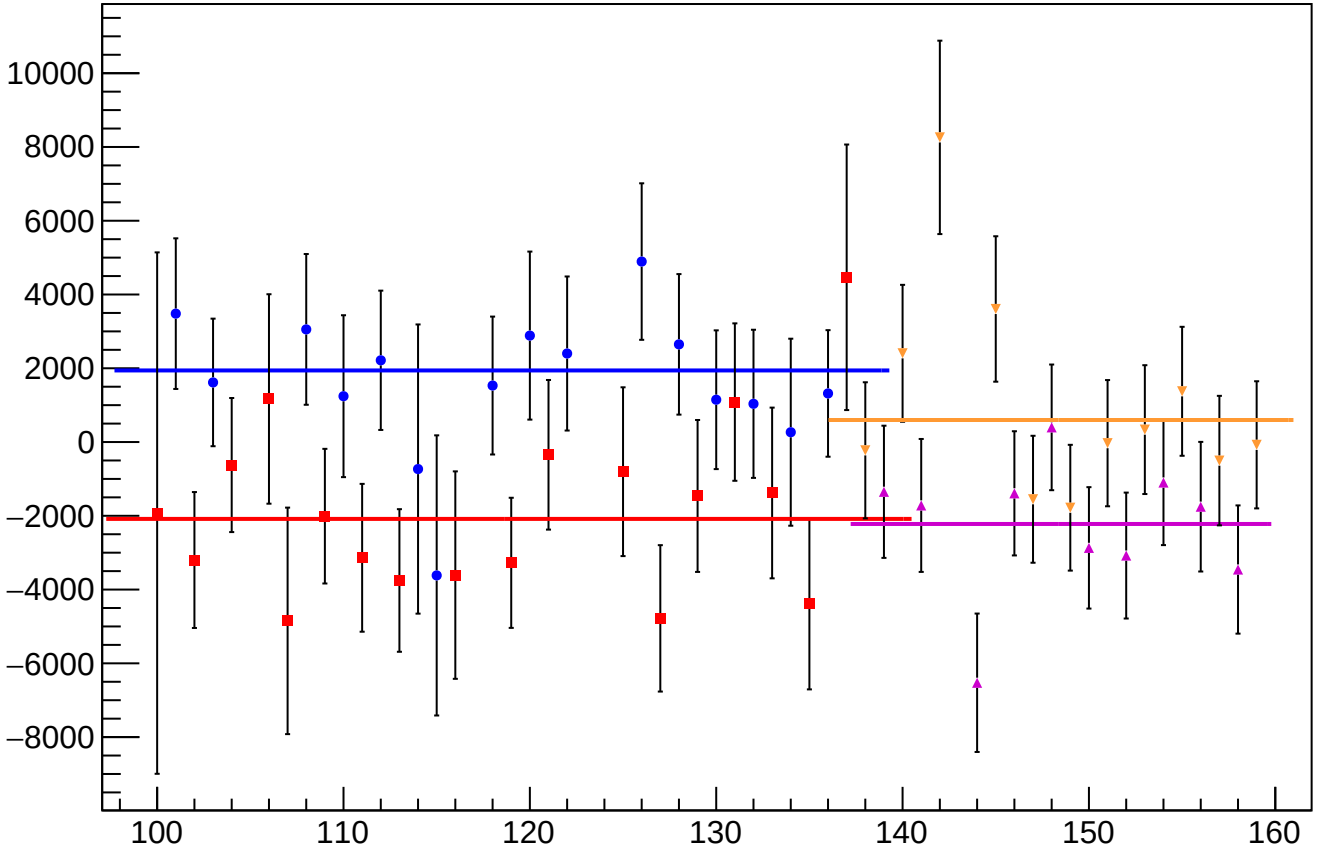
Left In: 5175.354+/-1.258 χ^2/NDF:438077.7/9

+ sign 4000.233+/-0.743 χ^2/NDF: 2613207.7/26

All: 3971.215+/-0.520 χ^2/NDF: 5038176.1/54

- sign 3943.350+/-0.728 χ^2/NDF: 2421974.8/27

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

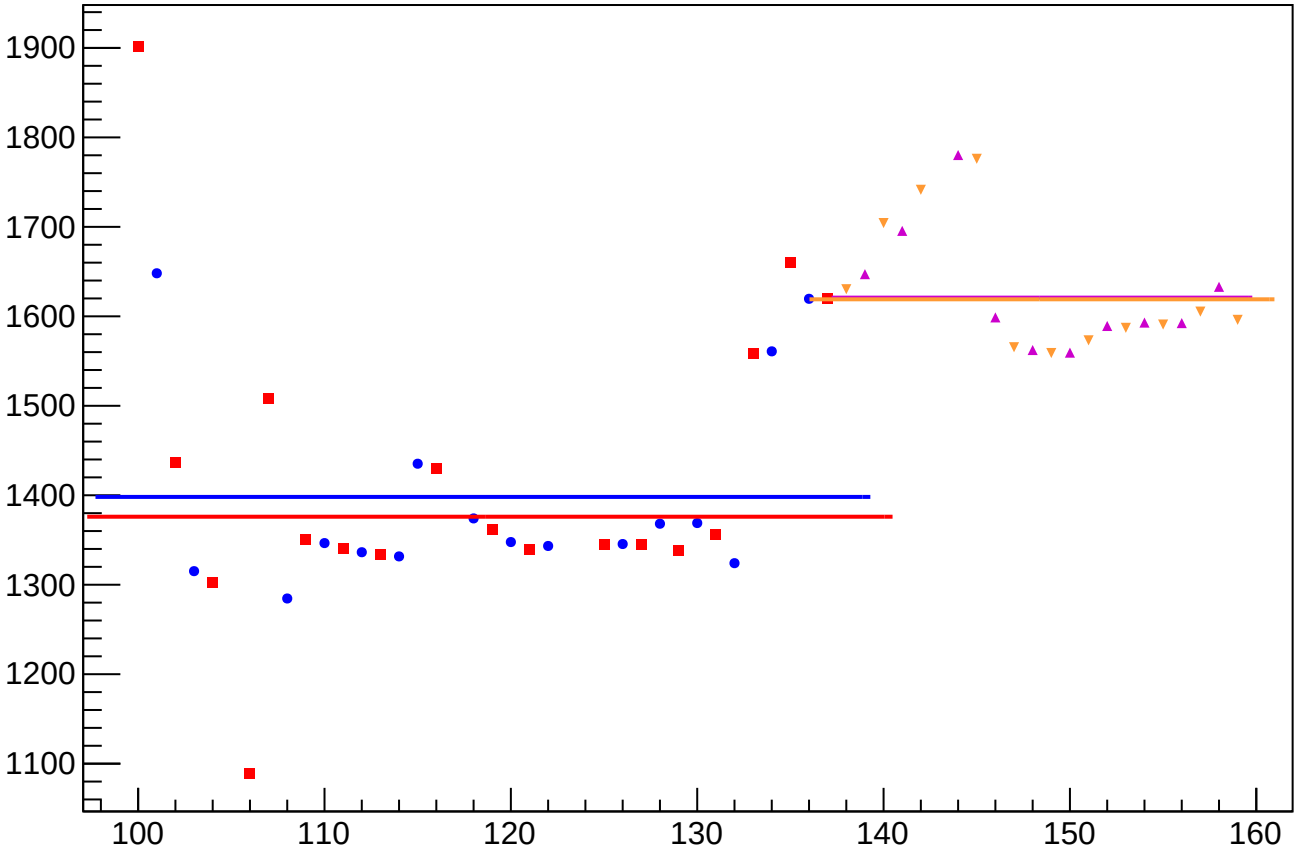
Left In: -2221.673+/-549.227 χ^2/NDF:9.6/9

+ sign 1302.099+/-378.151 χ^2/NDF: 26.5/26

All: -426.719+/-267.144 χ^2/NDF: 92.3/54

- sign -2149.109+/-377.447 χ^2/NDF: 24.1/27

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

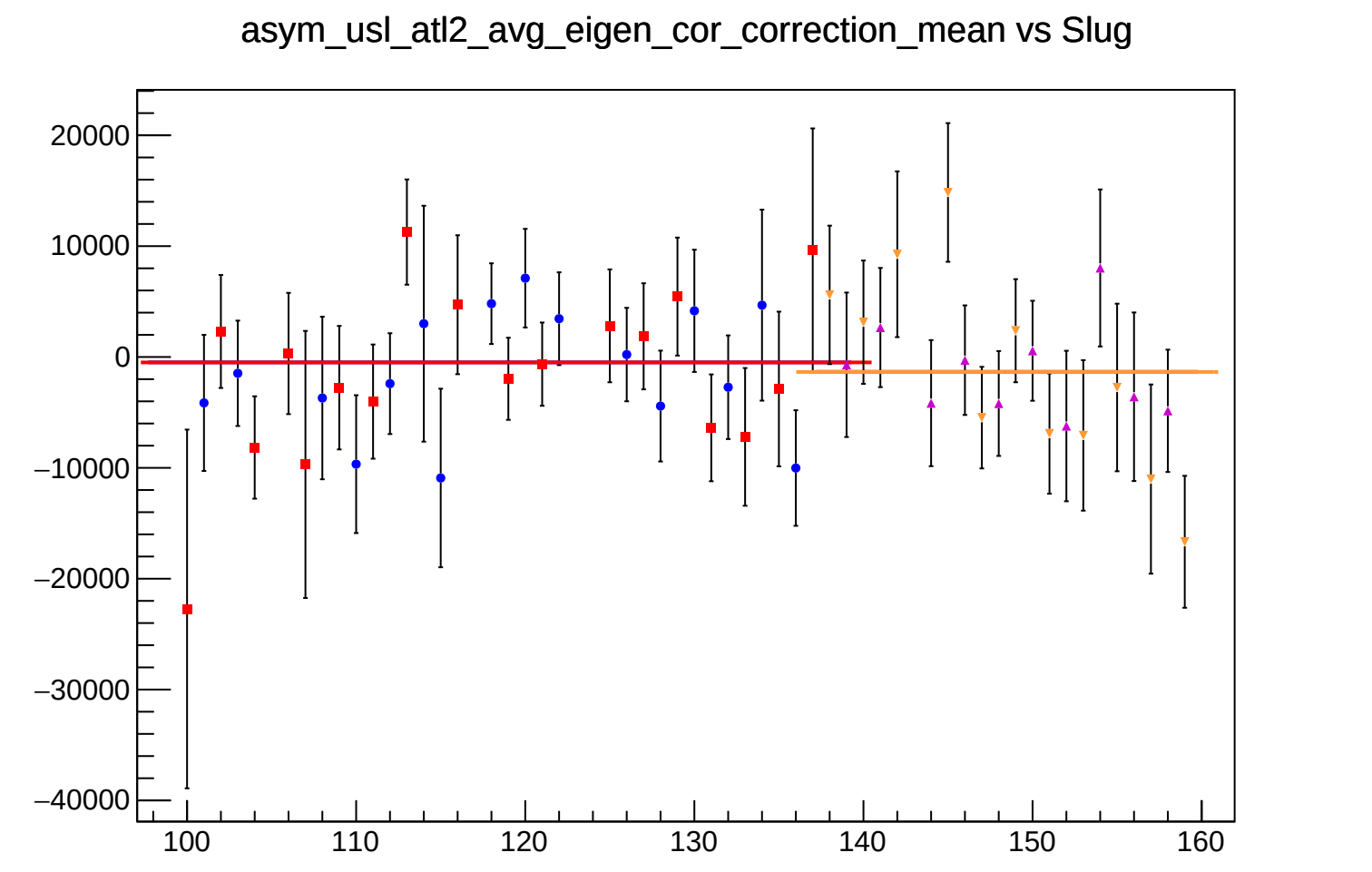
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1620.905+/-0.388 χ^2/NDF:25636.2/9

+ sign 1503.194+/-0.267 χ^2/NDF: 292939.3/26

All: 1496.561+/-0.188 χ^2/NDF: 646296.3/54

- sign 1490.045+/-0.265 χ^2/NDF: 352137.1/27



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1348.931+/-1794.690 χ^2/NDF:21.8/10

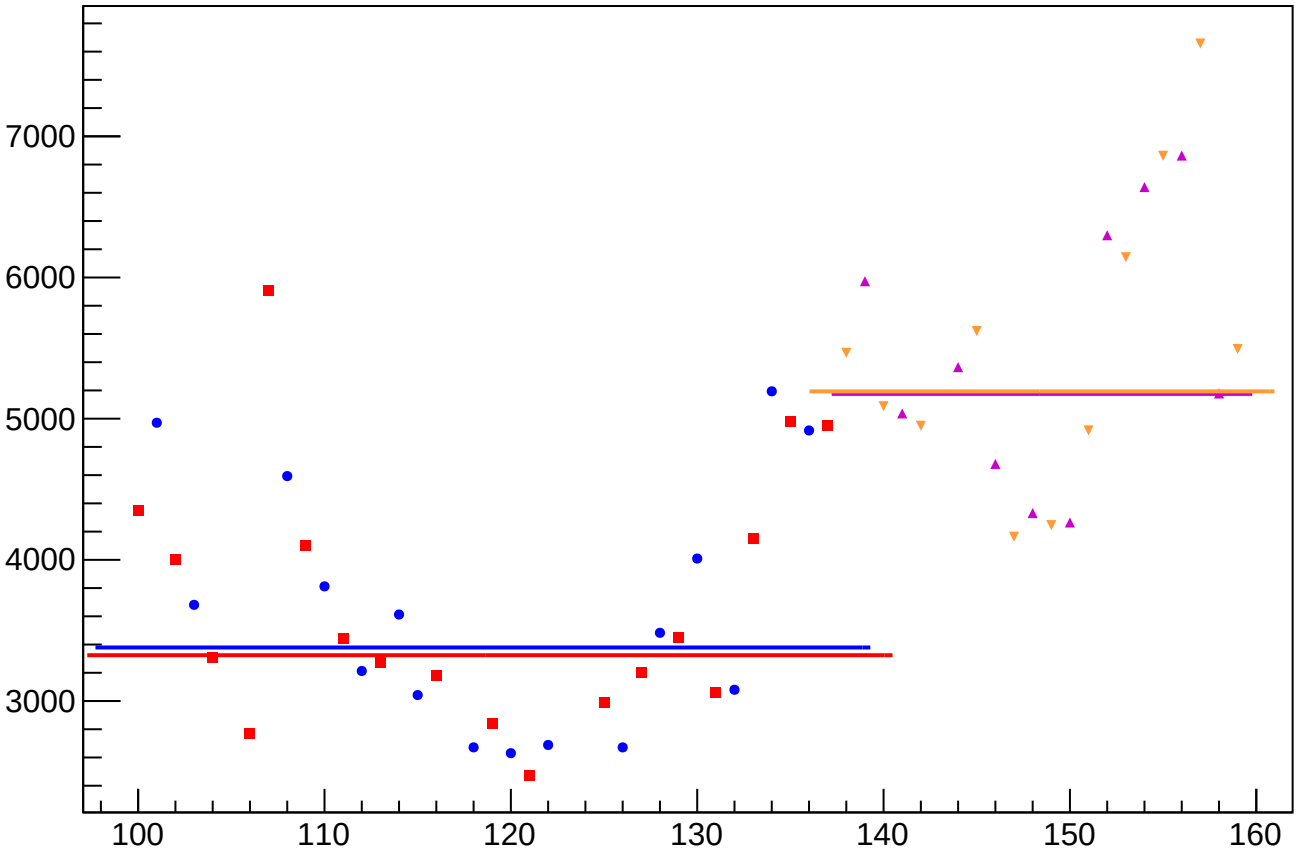
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1335.171+/-1779.586 χ^2/NDF:4.2/9

+ sign -781.812+/-1050.116 χ^2/NDF: 37.9/26

All: -776.638+/-734.984 χ^2/NDF: 60.9/54

- sign -771.670+/-1029.053 χ^2/NDF: 23.0/27



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5193.296+/-1.269 χ^2/NDF:513876.7/10

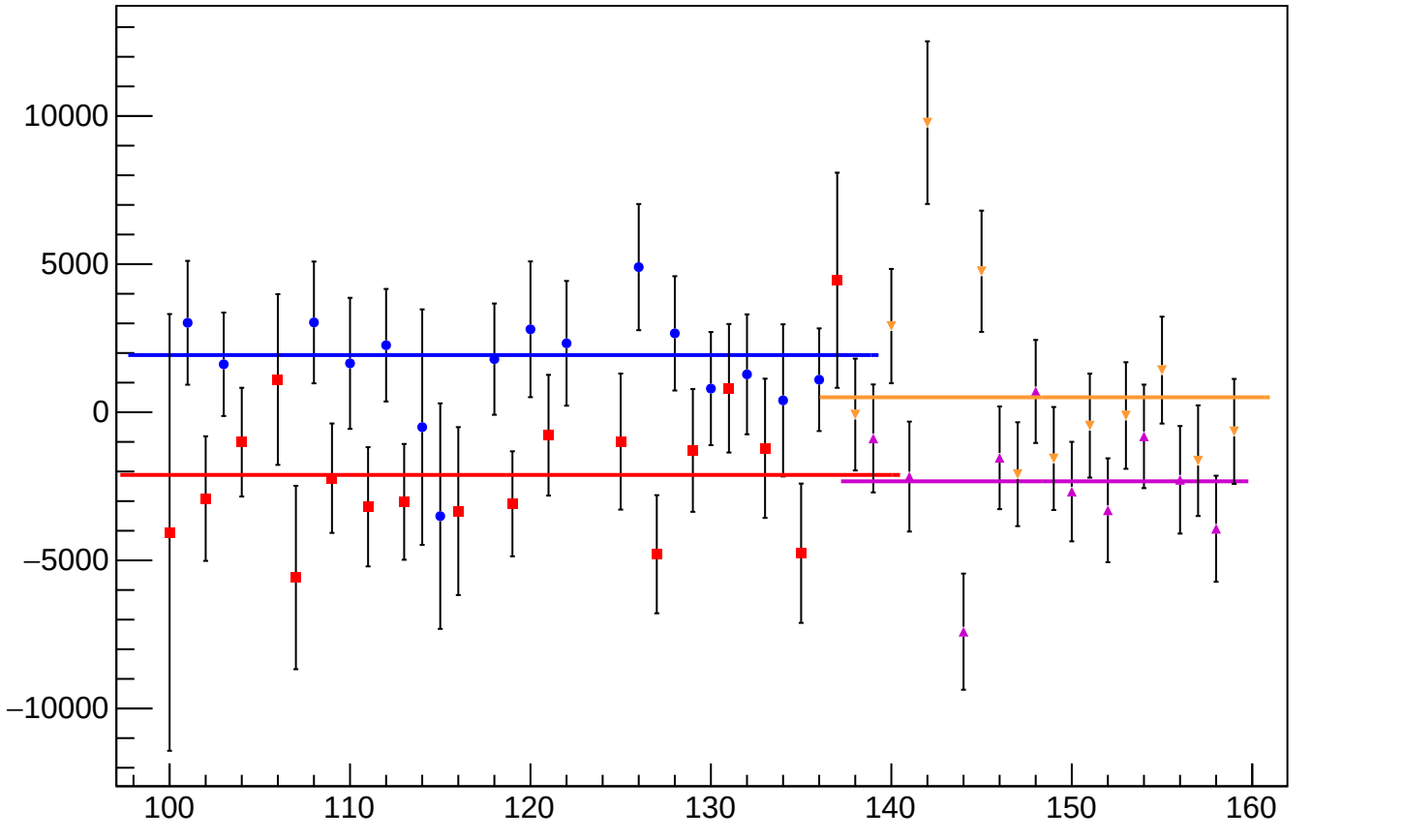
Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5175.354+/-1.258 χ^2/NDF:438077.7/9

+ sign 4000.233+/-0.743 χ^2/NDF: 2613207.7/26

All: 3971.215+/-0.520 χ^2/NDF: 5038176.1/54

- sign 3943.350+/-0.728 χ^2/NDF: 2421974.8/27



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

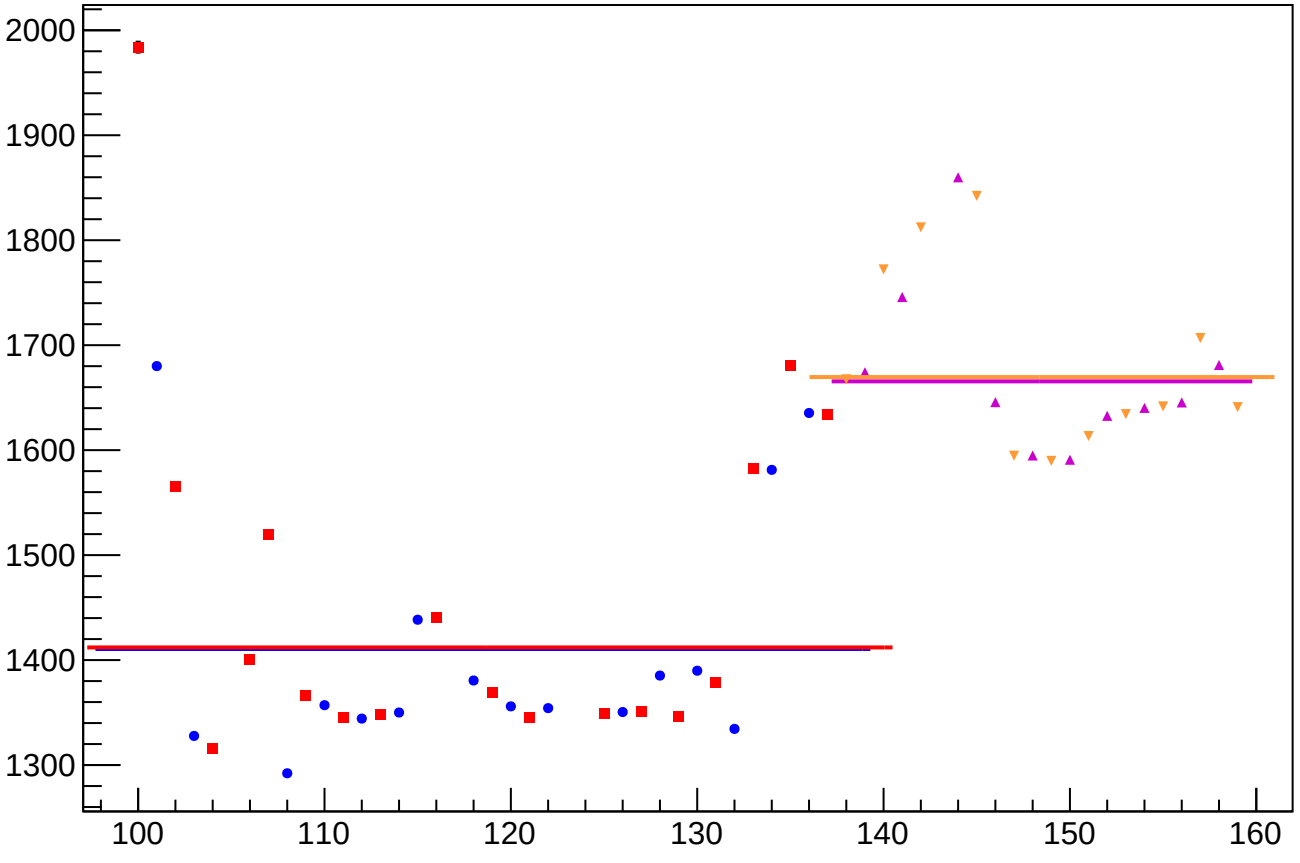
Left In: -2330.796+/-564.493 χ^2/NDF:12.5/9

+ sign 1268.930+/-385.711 χ^2/NDF: 33.1/26

All: -472.568+/-272.813 χ^2/NDF: 99.7/54

- sign -2215.964+/-385.921 χ^2/NDF: 25.8/27

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

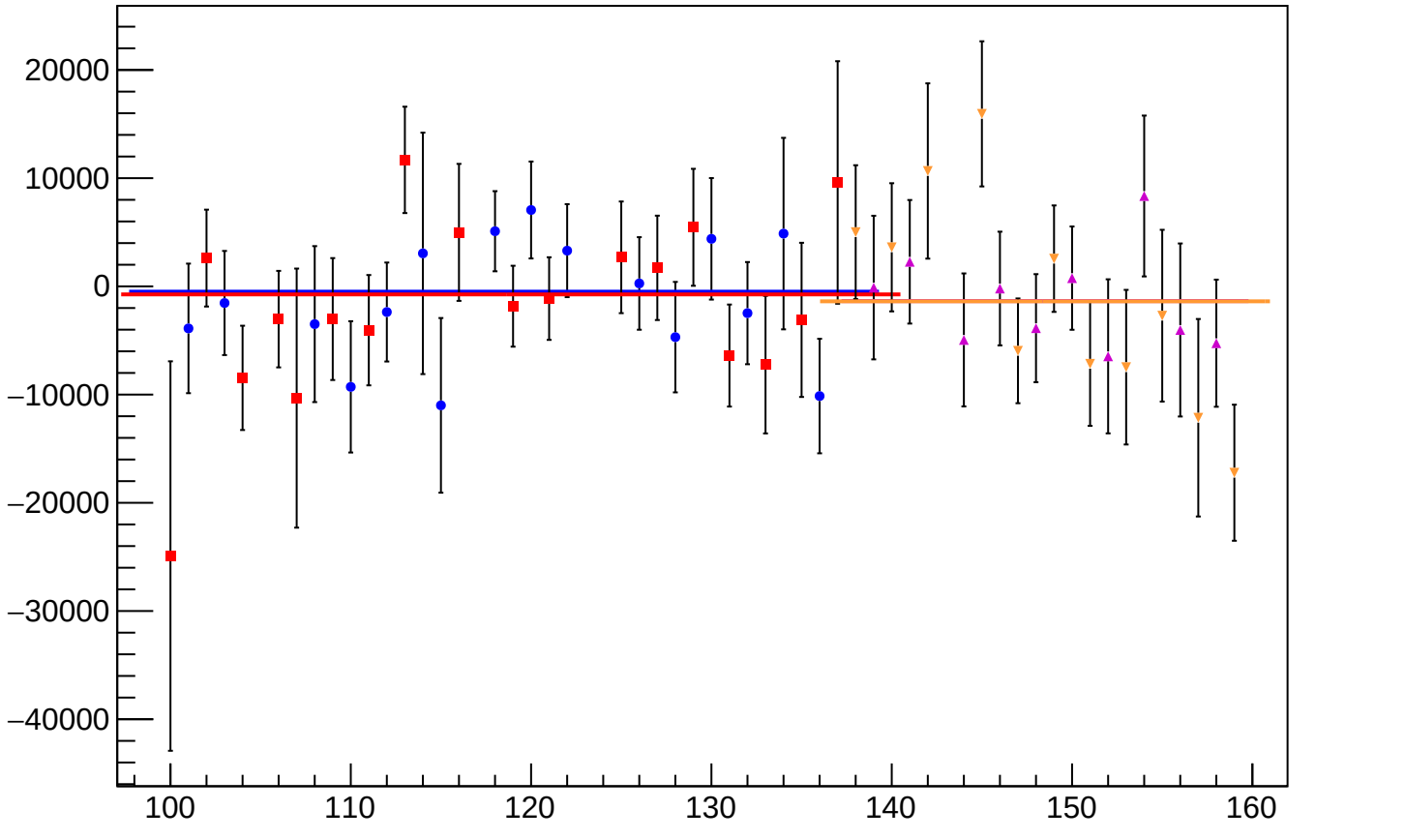
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1665.527+/-0.399 χ^2/NDF:32486.7/9

+ sign 1530.944+/-0.273 χ^2/NDF: 361299.4/26

All: 1530.564+/-0.193 χ^2/NDF: 698817.4/54

- sign 1530.184+/-0.272 χ^2/NDF: 337514.2/27



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

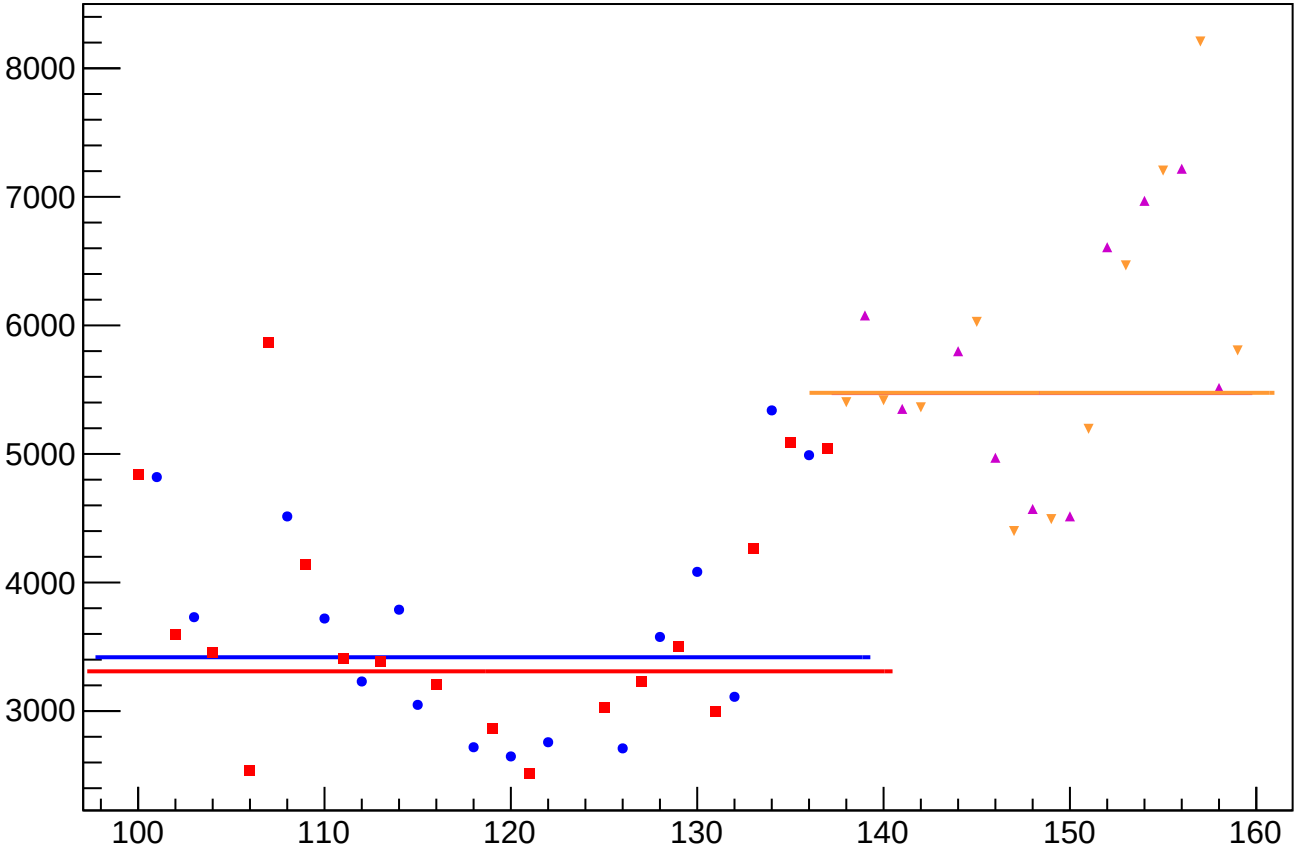
Left In: -1358.966+/-1881.042 χ^2/NDF:4.1/9

\+ sign -777.809+/-1076.303 χ^2/NDF: 37.7/26

All: -856.306+/-747.860 χ^2/NDF: 61.0/54

\- sign -929.583+/-1039.904 χ^2/NDF: 23.3/27

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

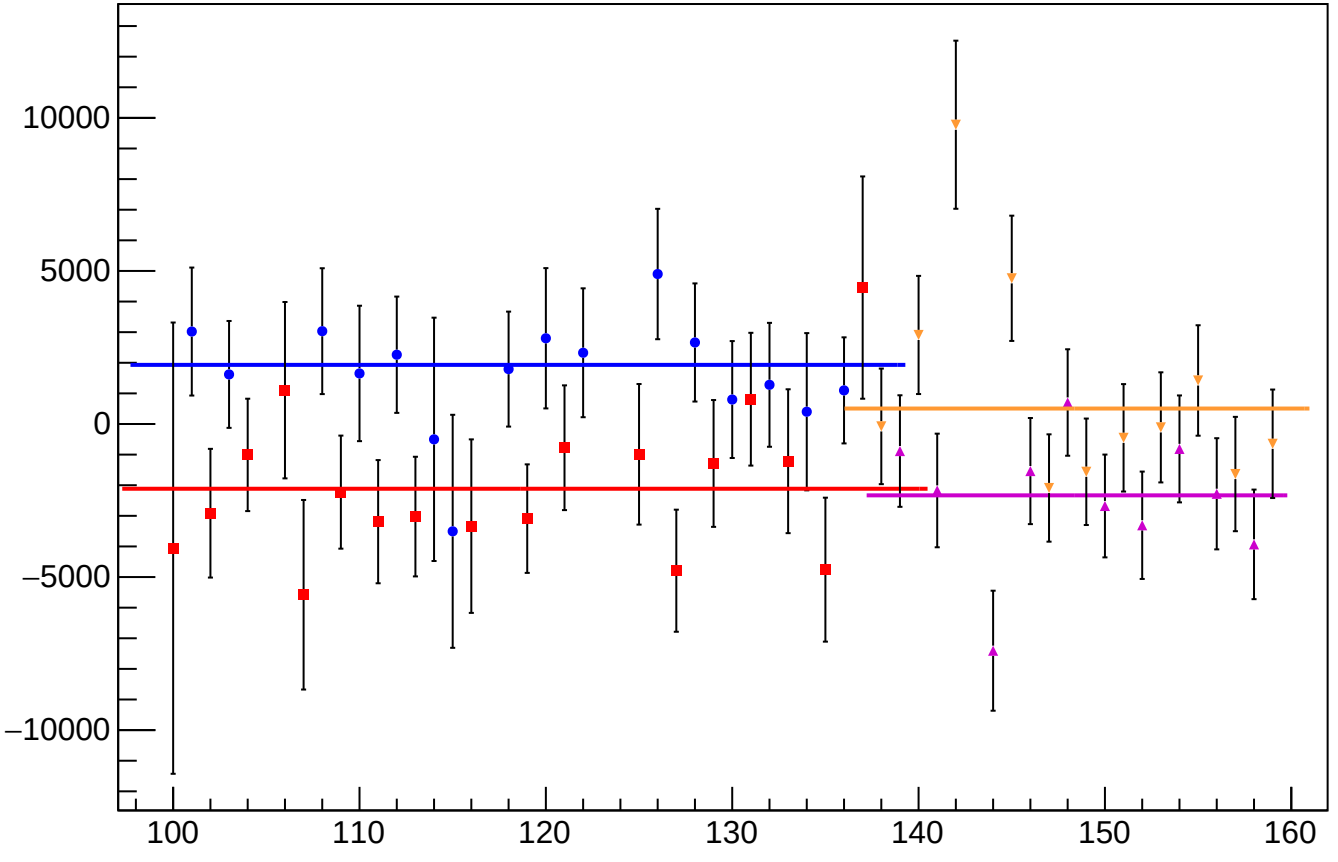
Left In: 5473.600+/-1.330 χ^2/NDF:414564.4/9

+ sign 4084.336+/-0.761 χ^2/NDF: 2836014.3/26

All: 4025.530+/-0.529 χ^2/NDF: 5672874.4/54

- sign 3970.635+/-0.735 χ^2/NDF: 2825316.2/27

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

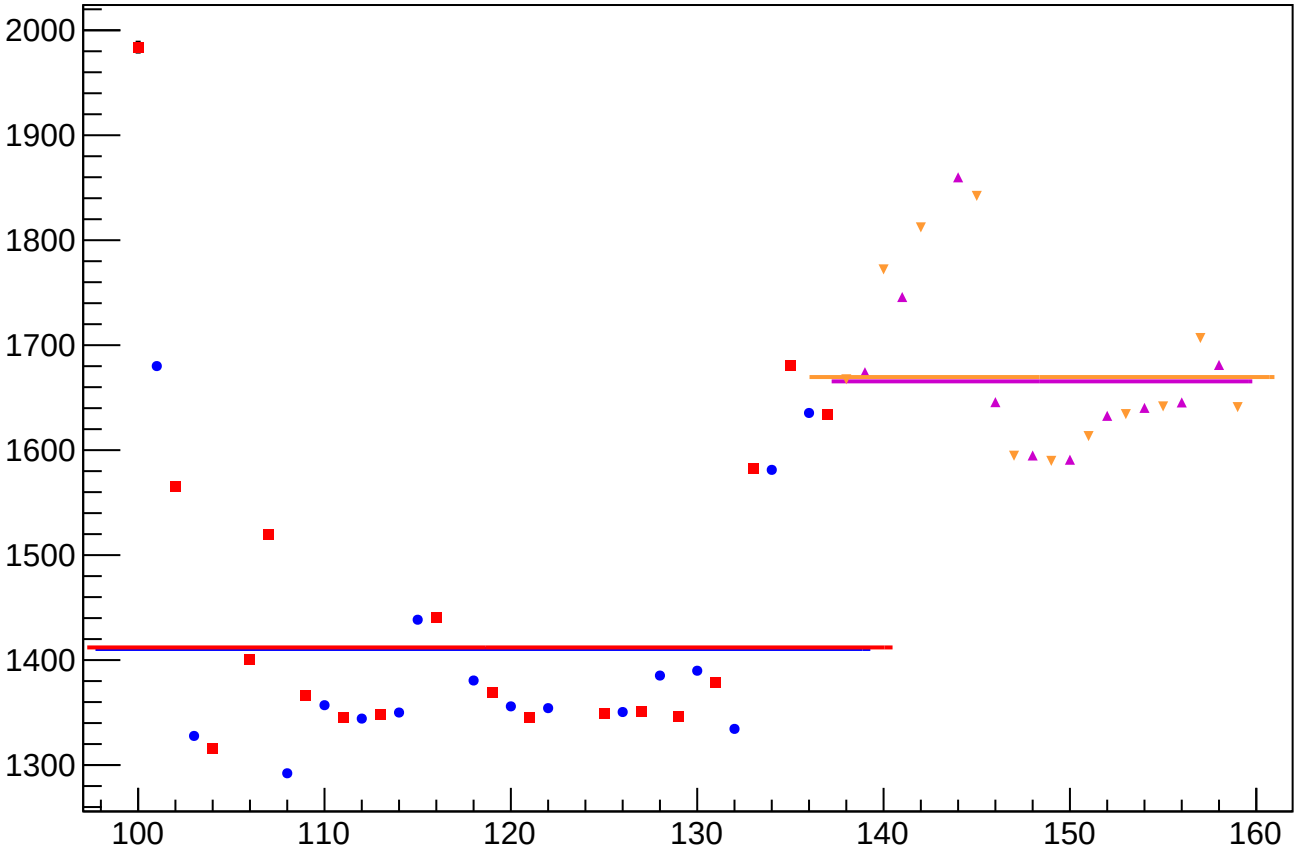
Left In: -2330.799+/-564.494 χ^2/NDF:12.5/9

+ sign 1268.929+/-385.711 χ^2/NDF: 33.1/26

All: -472.570+/-272.813 χ^2/NDF: 99.7/54

- sign -2215.966+/-385.921 χ^2/NDF: 25.8/27

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

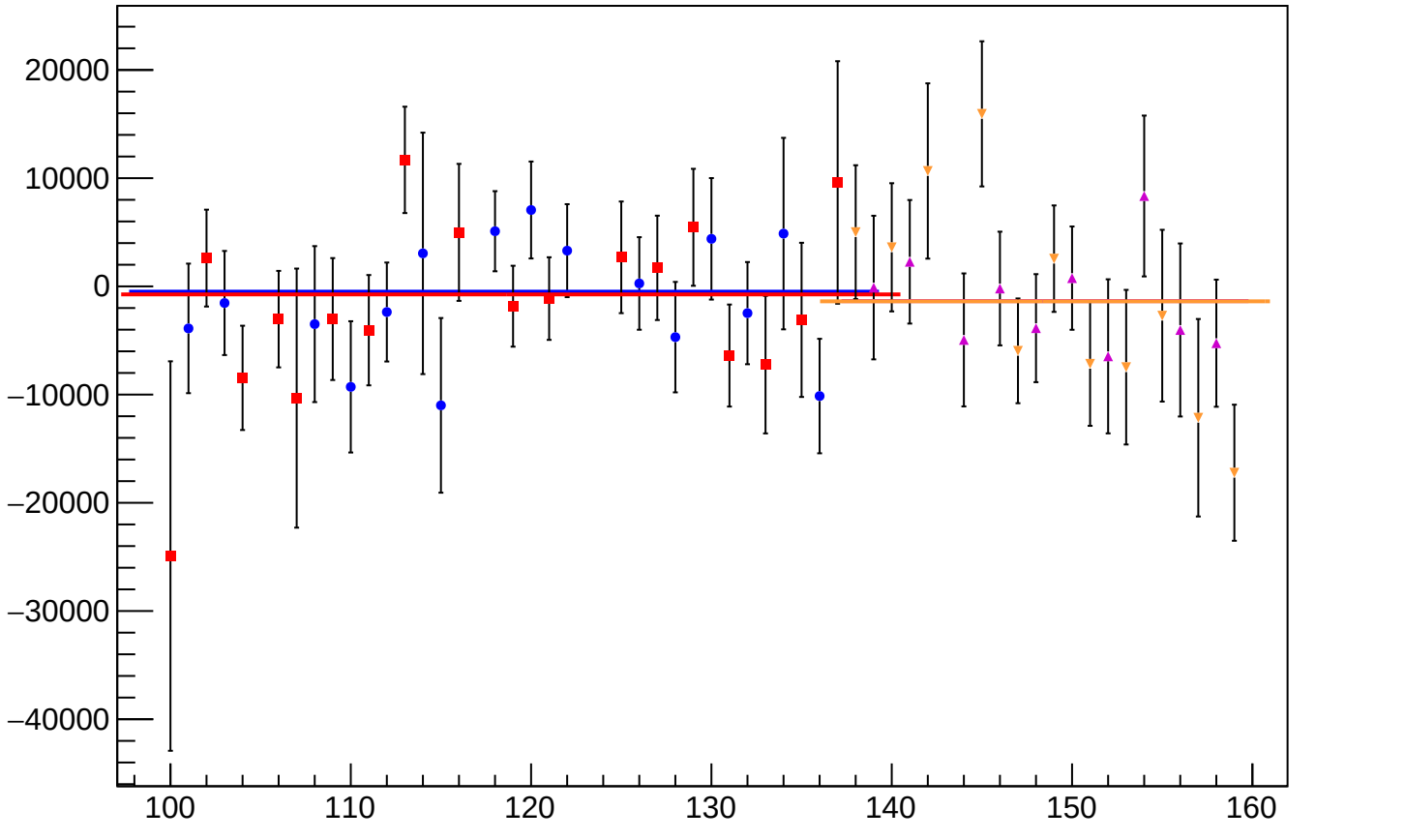
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1665.529+/-0.399 χ^2/NDF:32487.1/9

+ sign 1530.945+/-0.273 χ^2/NDF: 361302.2/26

All: 1530.565+/-0.193 χ^2/NDF: 698823.3/54

- sign 1530.185+/-0.272 χ^2/NDF: 337517.1/27



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1380.619+/-1892.001 χ^2/NDF:21.7/10

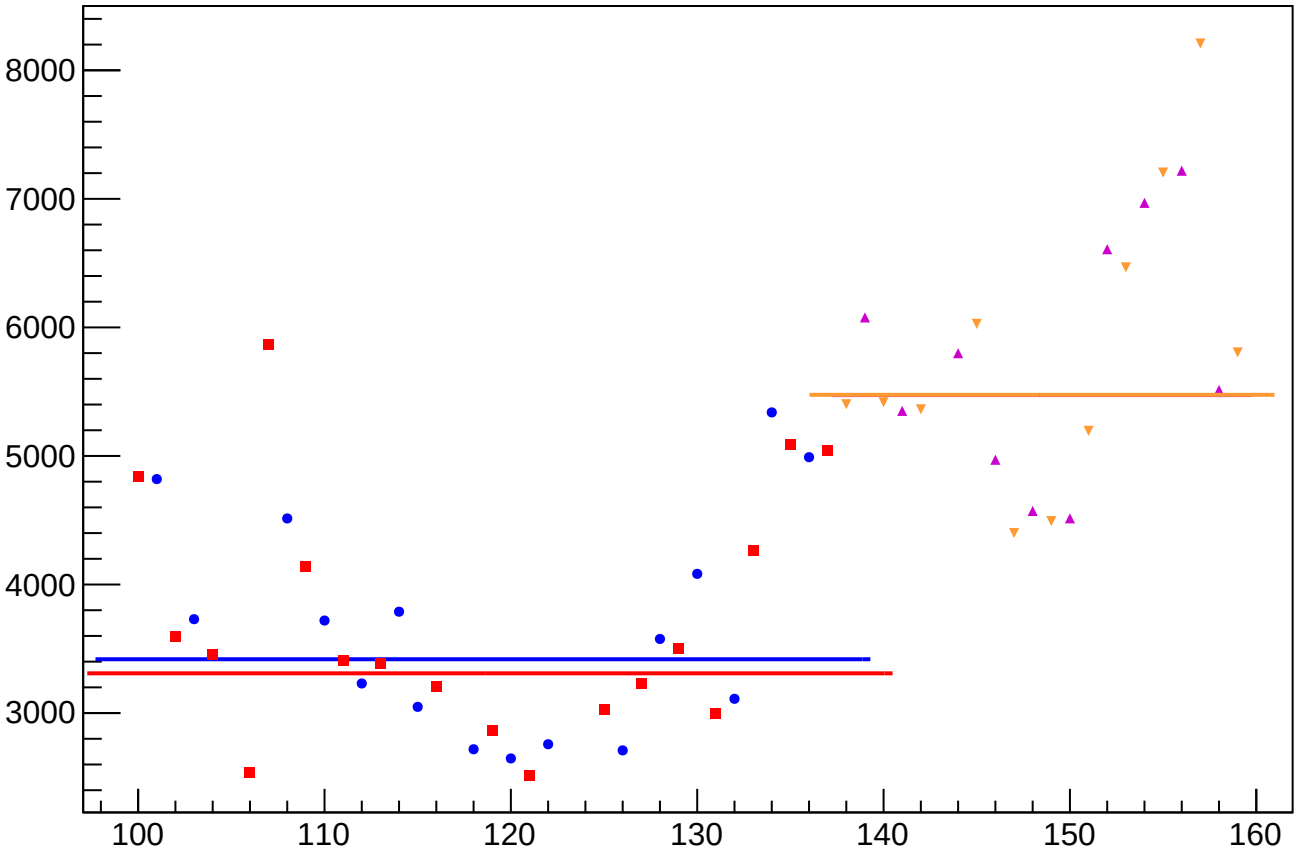
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1358.969+/-1881.045 χ^2/NDF:4.1/9

+ sign -777.806+/-1076.301 χ^2/NDF: 37.7/26

All: -856.305+/-747.859 χ^2/NDF: 61.0/54

- sign -929.584+/-1039.902 χ^2/NDF: 23.3/27



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

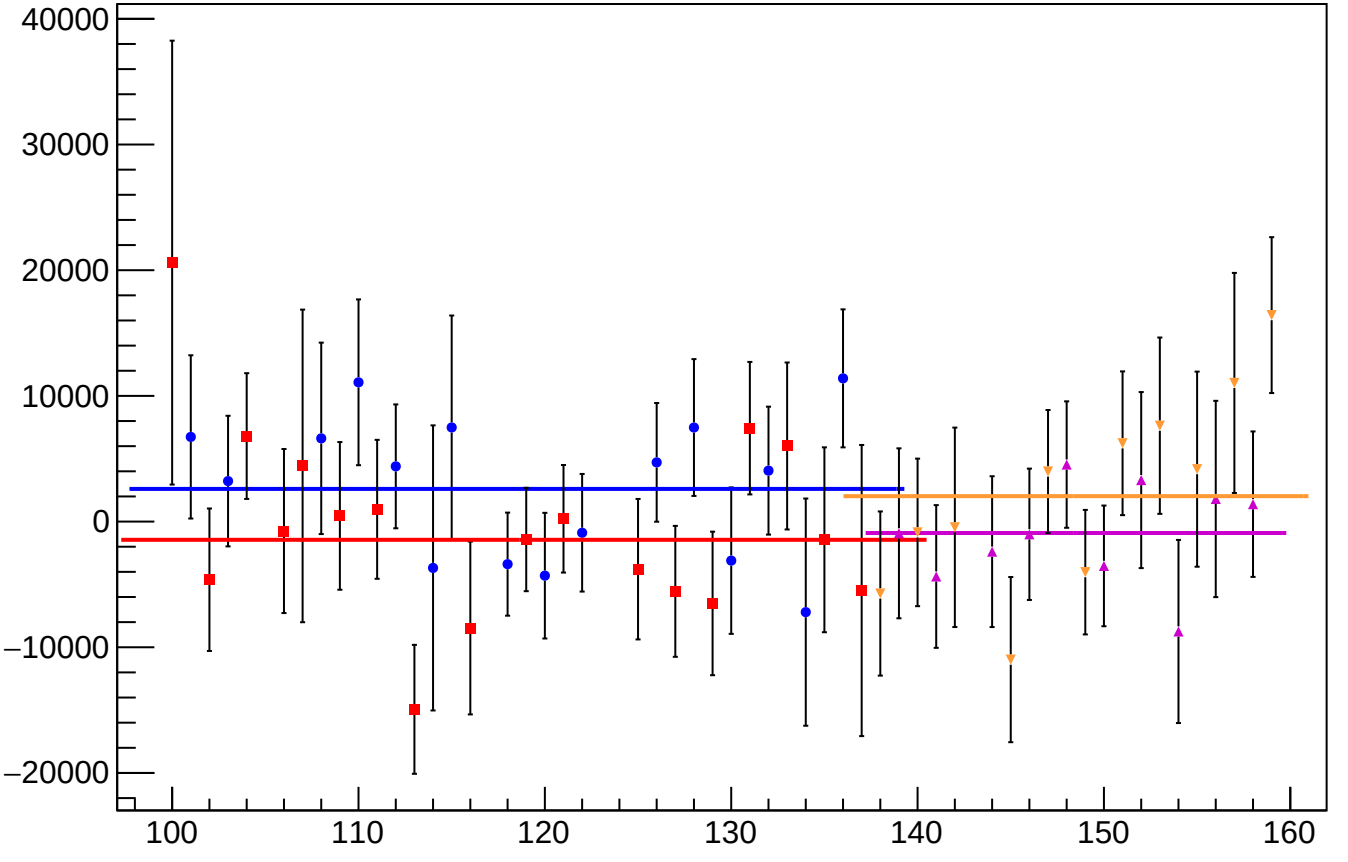
Left In: 5473.607+/-1.330 χ^2/NDF:414566.9/9

+ sign 4084.327+/-0.761 χ^2/NDF: 2836054.0/26

All: 4025.521+/-0.529 χ^2/NDF: 5672948.5/54

- sign 3970.626+/-0.735 χ^2/NDF: 2825350.8/27

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

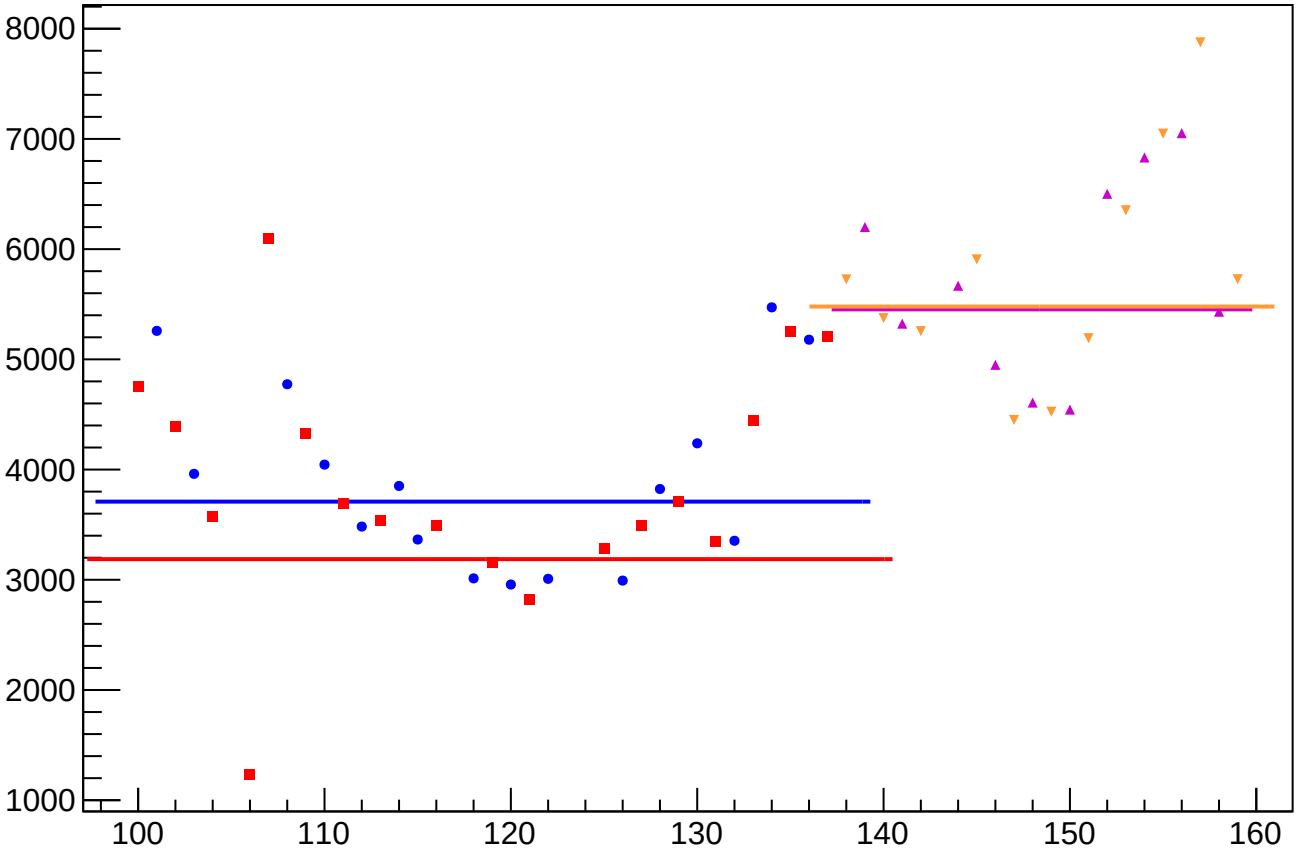
Left In: -908.327+/-1870.874 χ^2/NDF:3.7/9

+ sign 2392.014+/-1132.009 χ^2/NDF: 28.6/26

All: 534.056+/-793.293 χ^2/NDF: 56.7/54

- sign -1258.897+/-1112.030 χ^2/NDF: 22.8/27

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

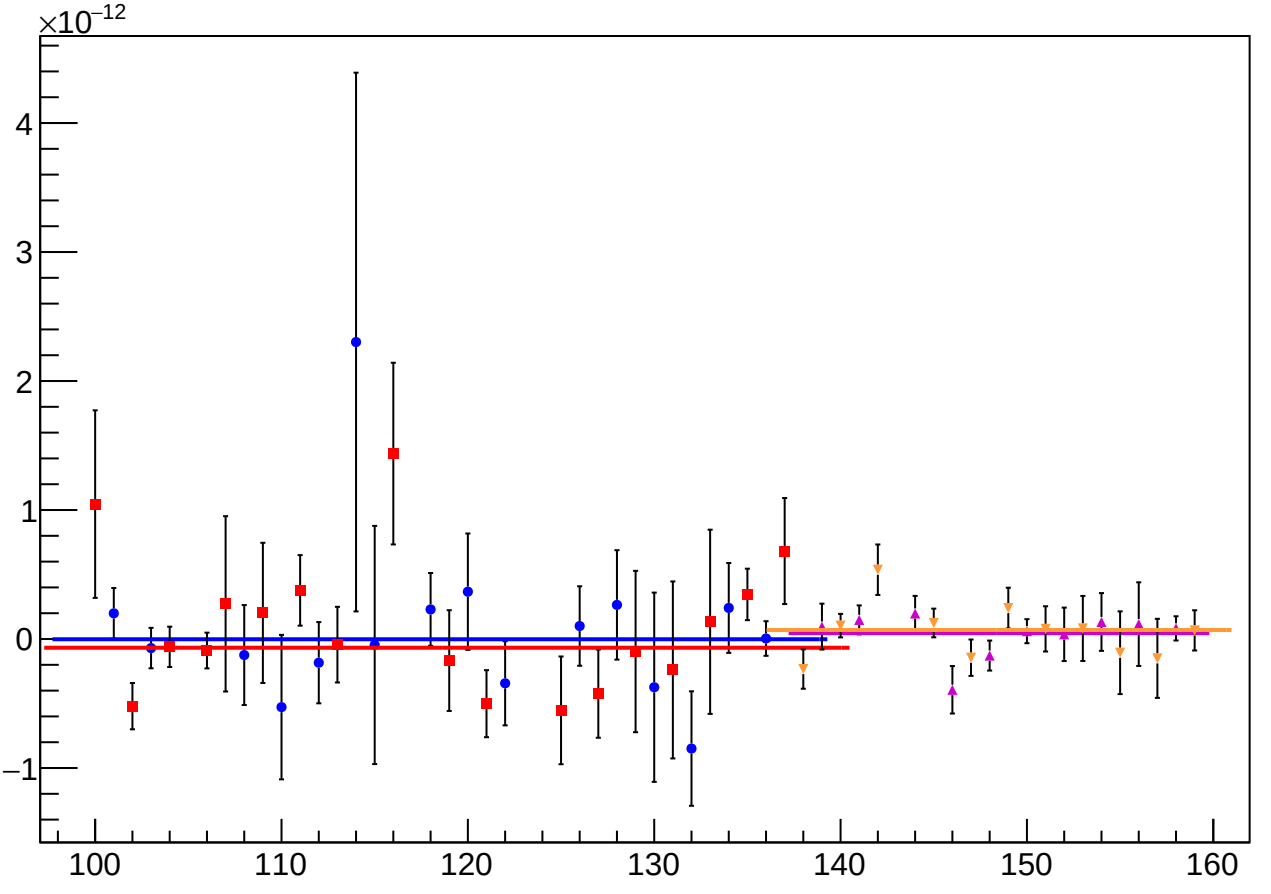
Left In: 5453.344+/-1.323 χ^2/NDF:375141.6/9

+ sign 4345.511+/-0.800 χ^2/NDF: 2183571.5/26

All: 4105.437+/-0.544 χ^2/NDF: 6348926.7/54

- sign 3899.360+/-0.742 χ^2/NDF: 3998185.1/27

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

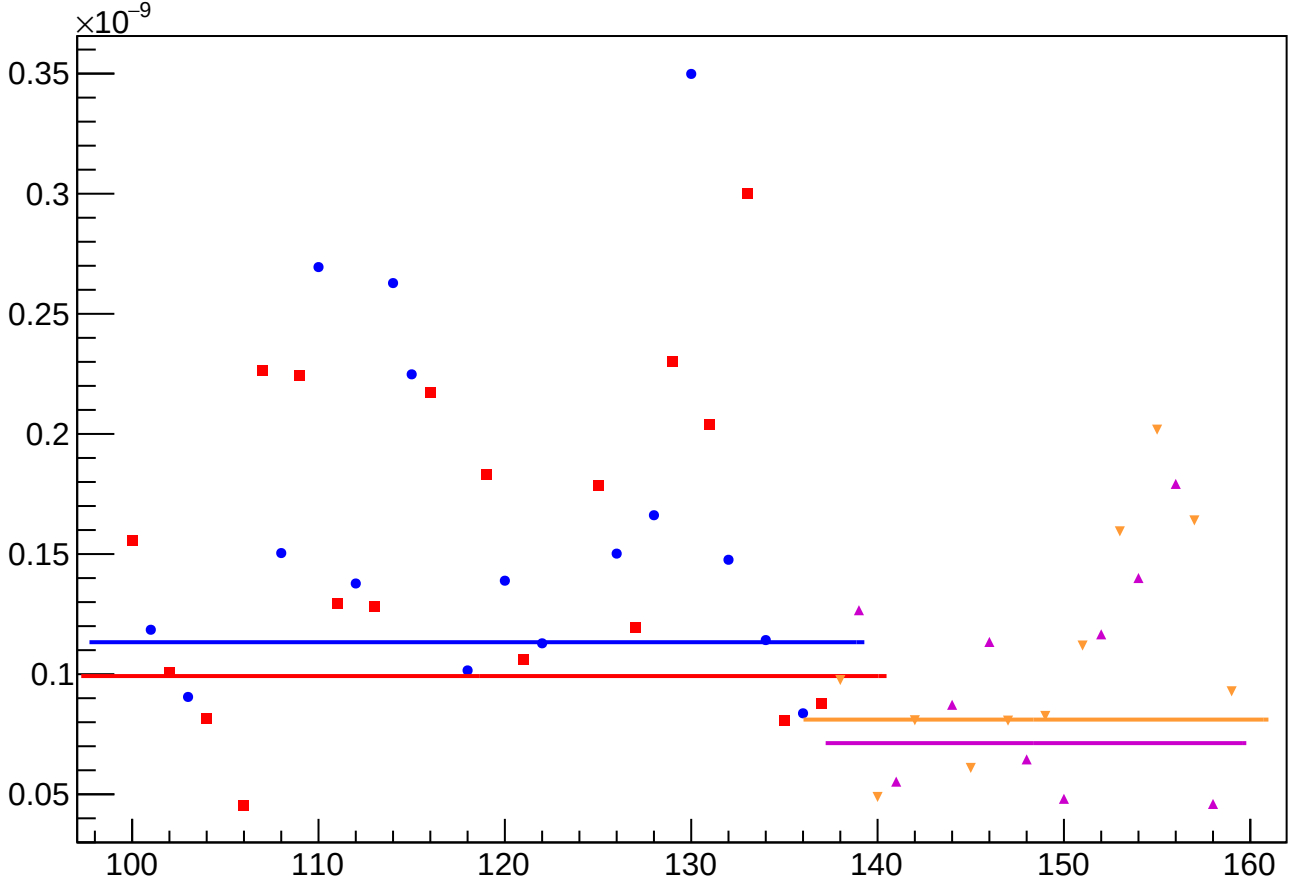
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:10.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/26

All: 0.000+/-0.000 χ^2/NDF: 68.7/54

- sign 0.000+/-0.000 χ^2/NDF: 42.1/27



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

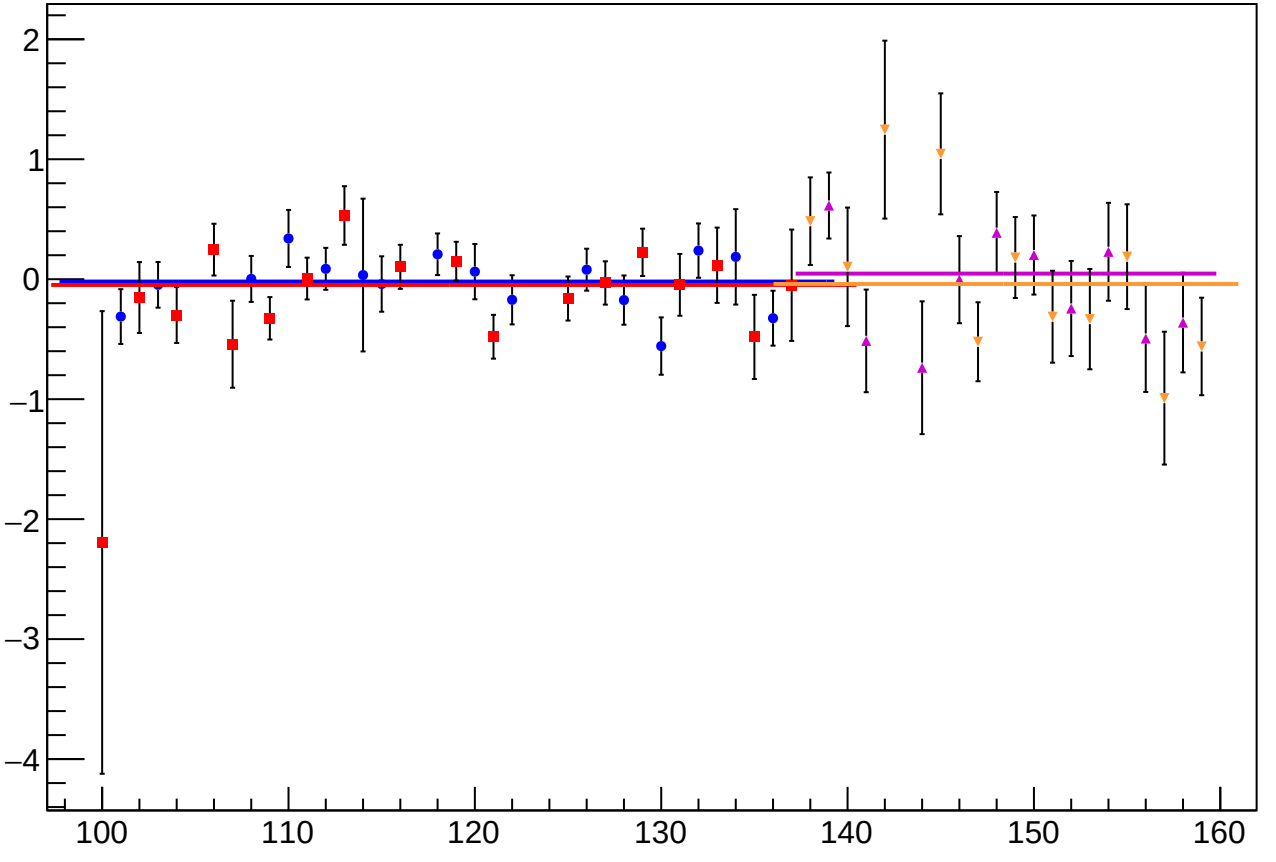
Left In: 0.000+/-0.000 χ^2/NDF:1147245.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 1984113.3/26

All: 0.000+/-0.000 χ^2/NDF: 4576379.2/54

- sign 0.000+/-0.000 χ^2/NDF: 2502196.6/27

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

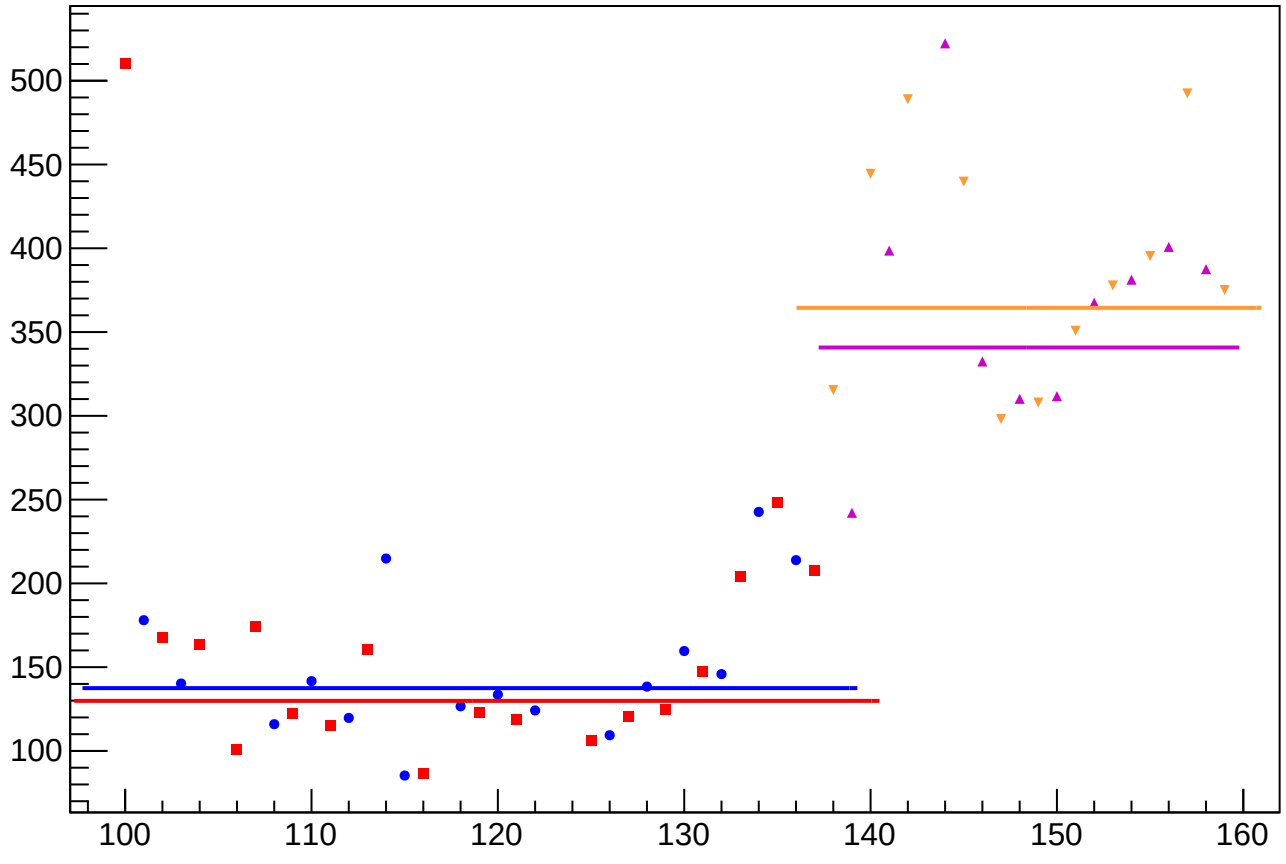
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.047+/-0.119 χ^2/NDF:12.4/9

+ sign -0.023+/-0.050 χ^2/NDF: 34.3/26

All: -0.028+/-0.035 χ^2/NDF: 73.5/54

- sign -0.032+/-0.048 χ^2/NDF: 39.2/27



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 364.455+/-0.089 χ^2/NDF:449855.4/10

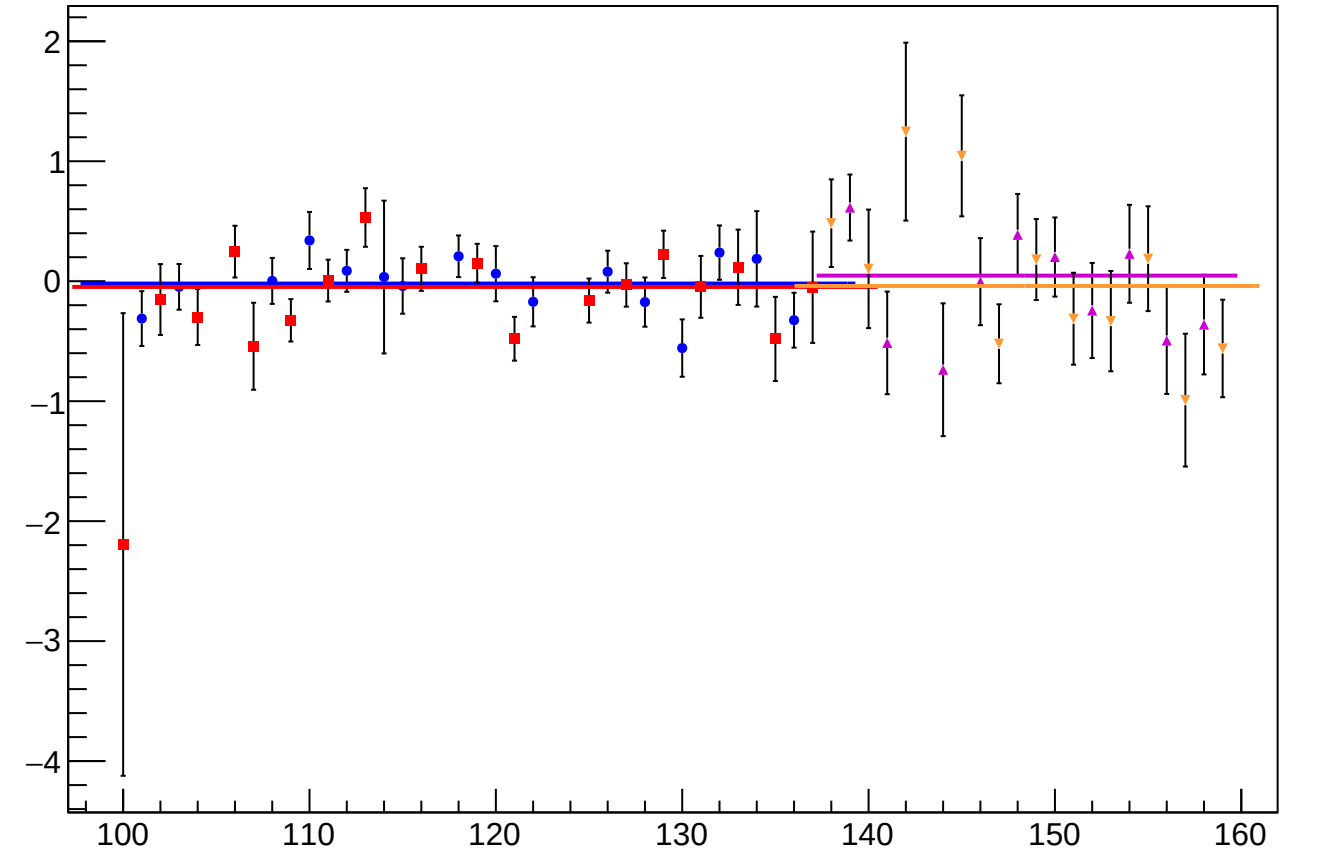
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 340.775+/-0.084 χ^2/NDF:632270.2/9

+ sign 172.685+/-0.035 χ^2/NDF: 6579551.9/26

All: 168.301+/-0.024 χ^2/NDF: 13331621.2/54

- sign 164.227+/-0.034 χ^2/NDF: 6722197.6/27



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.040+/-0.127 χ^2/NDF:18.2/10

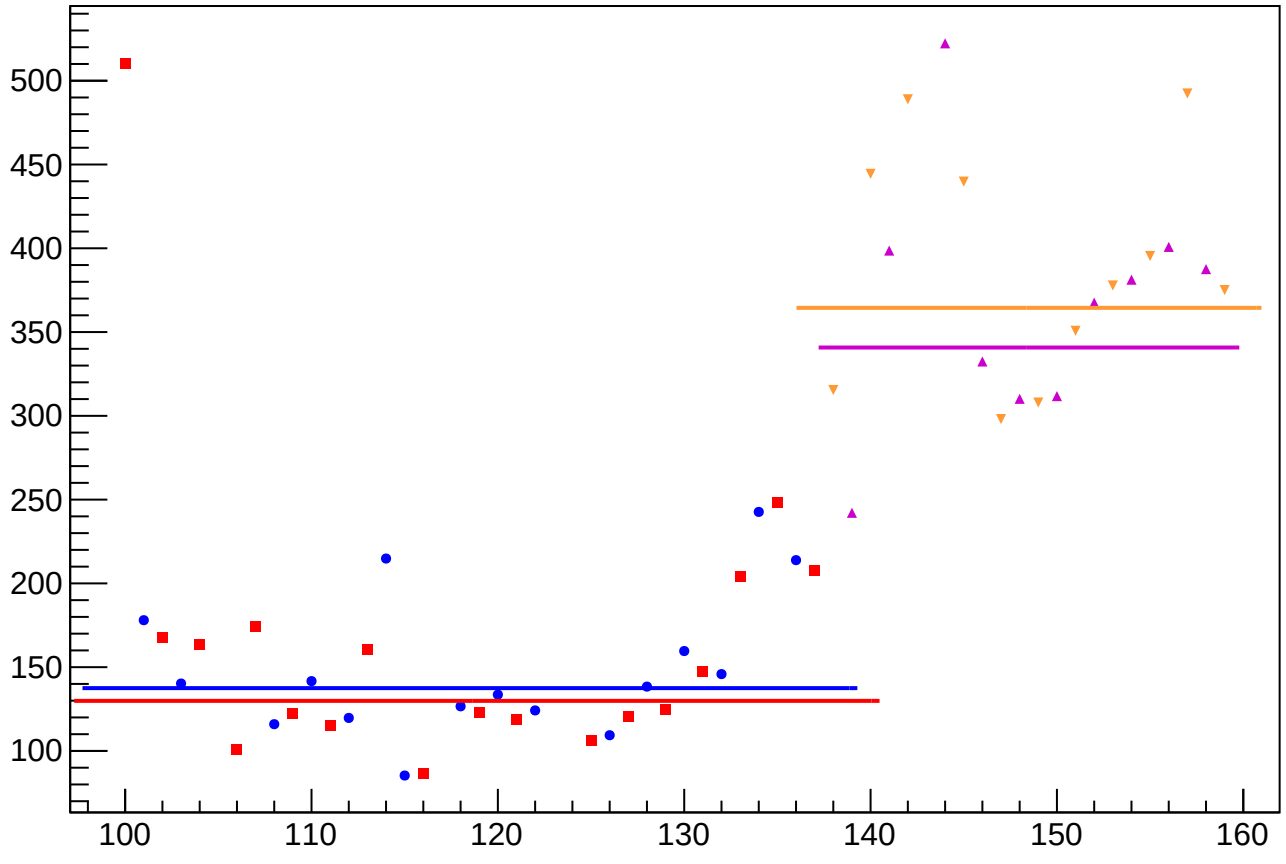
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.047+/-0.119 χ^2/NDF:12.4/9

+ sign -0.023+/-0.050 χ^2/NDF: 34.3/26

All: -0.028+/-0.035 χ^2/NDF: 73.5/54

- sign -0.032+/-0.048 χ^2/NDF: 39.2/27



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 364.455+/-0.089 χ^2/NDF:449855.4/10

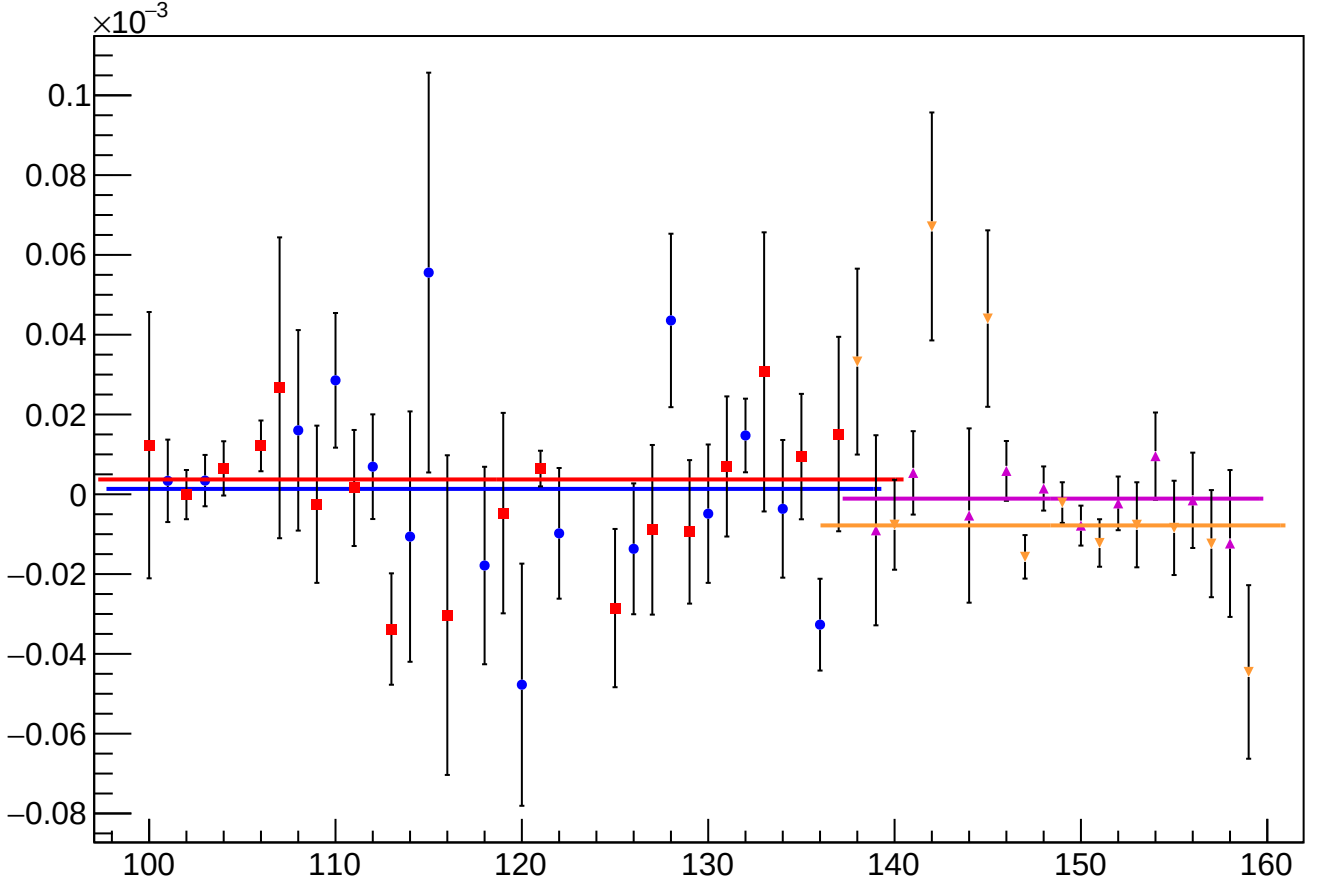
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 340.775+/-0.084 χ^2/NDF:632270.2/9

+ sign 172.685+/-0.035 χ^2/NDF: 6579551.9/26

All: 168.301+/-0.024 χ^2/NDF: 13331621.2/54

- sign 164.227+/-0.034 χ^2/NDF: 6722197.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.3/10

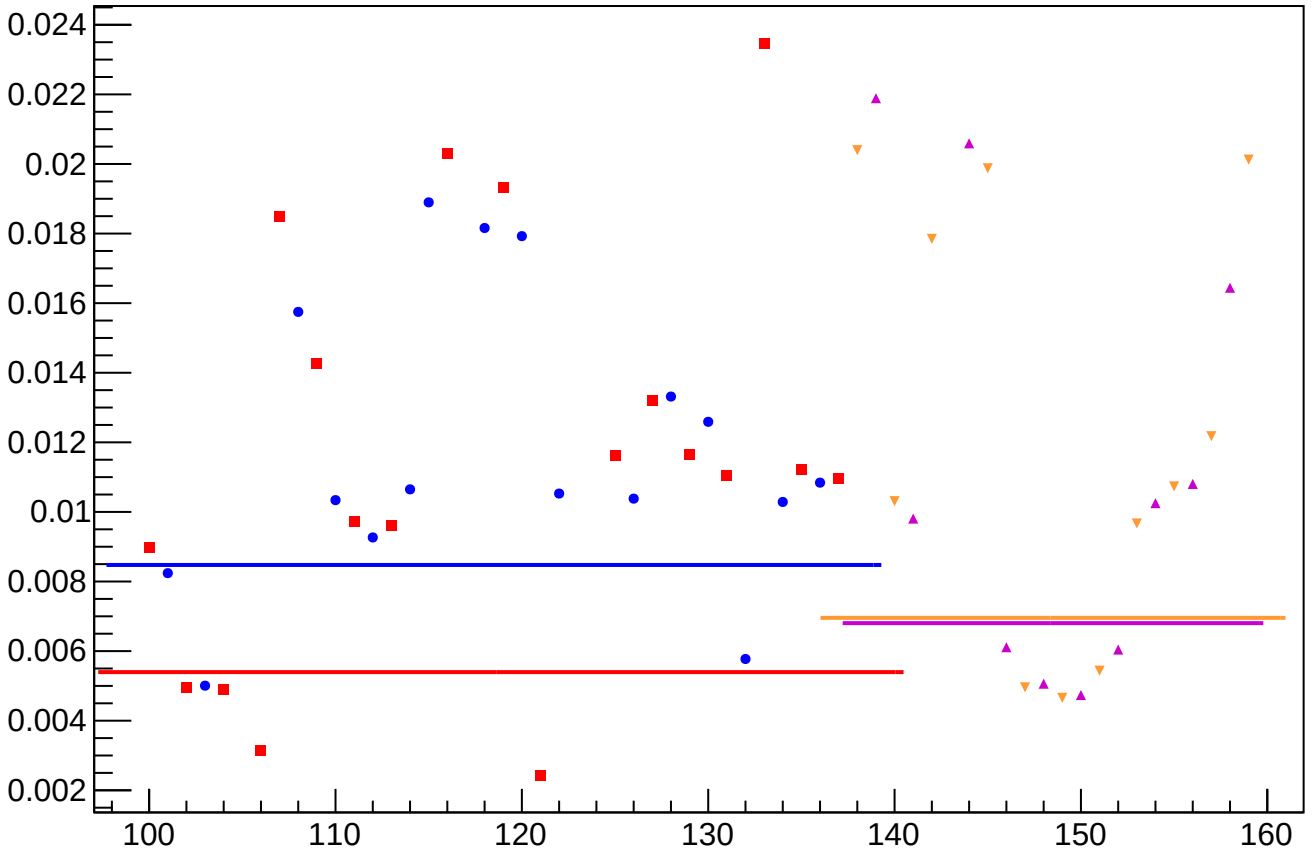
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:4.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/26

All: -0.000+/-0.000 χ^2/NDF: 77.1/54

- sign 0.000+/-0.000 χ^2/NDF: 22.3/27



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

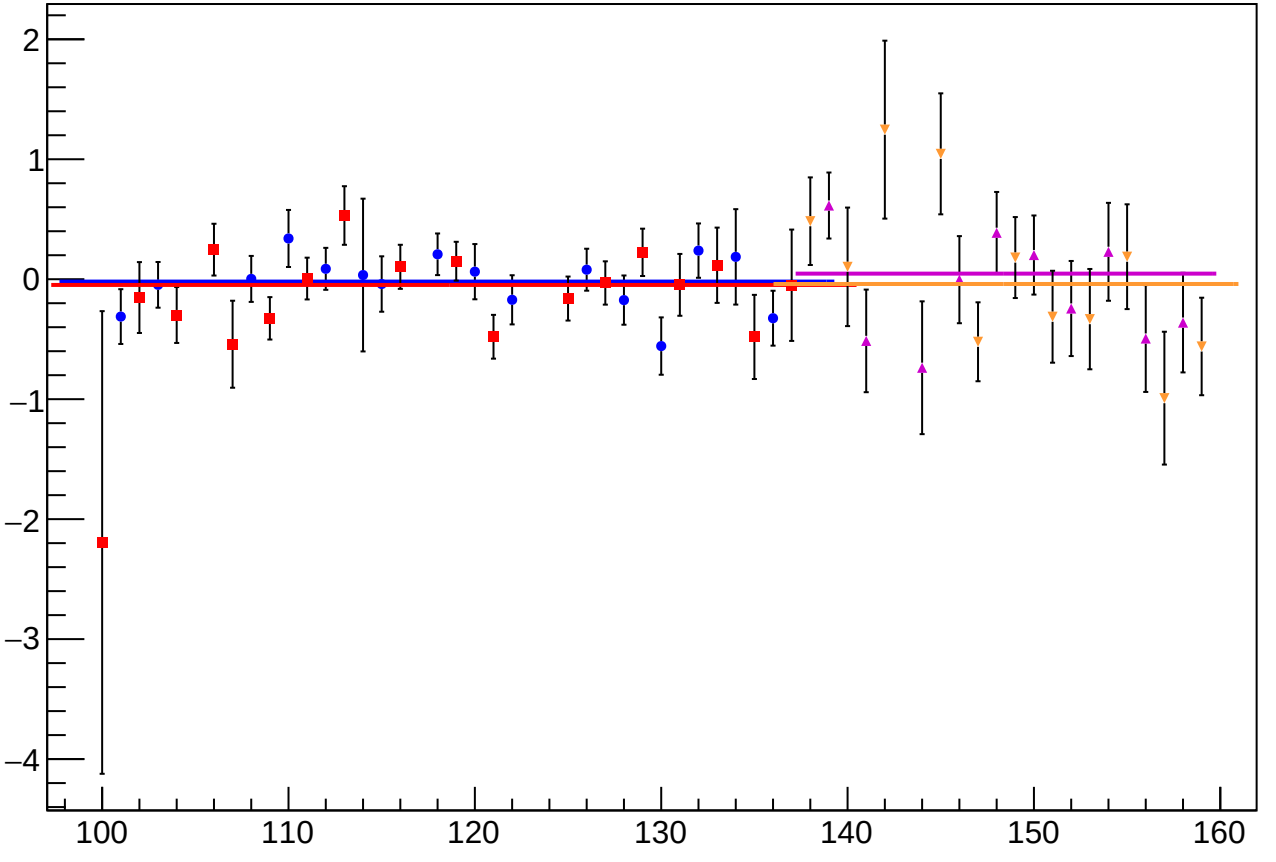
Left In: 0.007+/-0.000 χ^2/NDF:3316719.6/9

+ sign 0.008+/-0.000 χ^2/NDF: 6157321.5/26

All: 0.007+/-0.000 χ^2/NDF: 15225956.0/54

- sign 0.006+/-0.000 χ^2/NDF: 8522790.1/27

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.040+/-0.127 χ^2/NDF:18.2/10

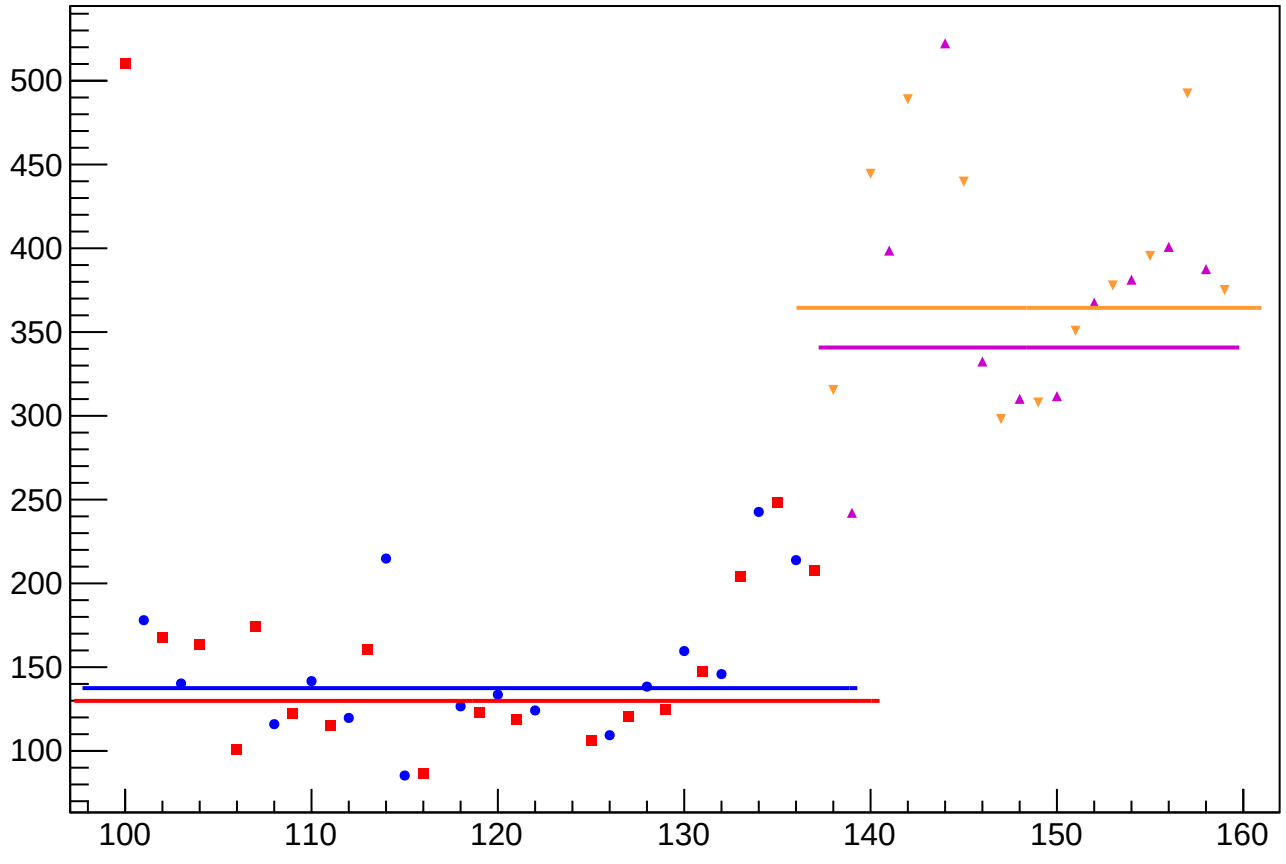
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.047+/-0.119 χ^2/NDF:12.4/9

+ sign -0.023+/-0.050 χ^2/NDF: 34.3/26

All: -0.028+/-0.035 χ^2/NDF: 73.5/54

- sign -0.032+/-0.048 χ^2/NDF: 39.2/27



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 364.459+/-0.089 χ^2/NDF:449898.0/10

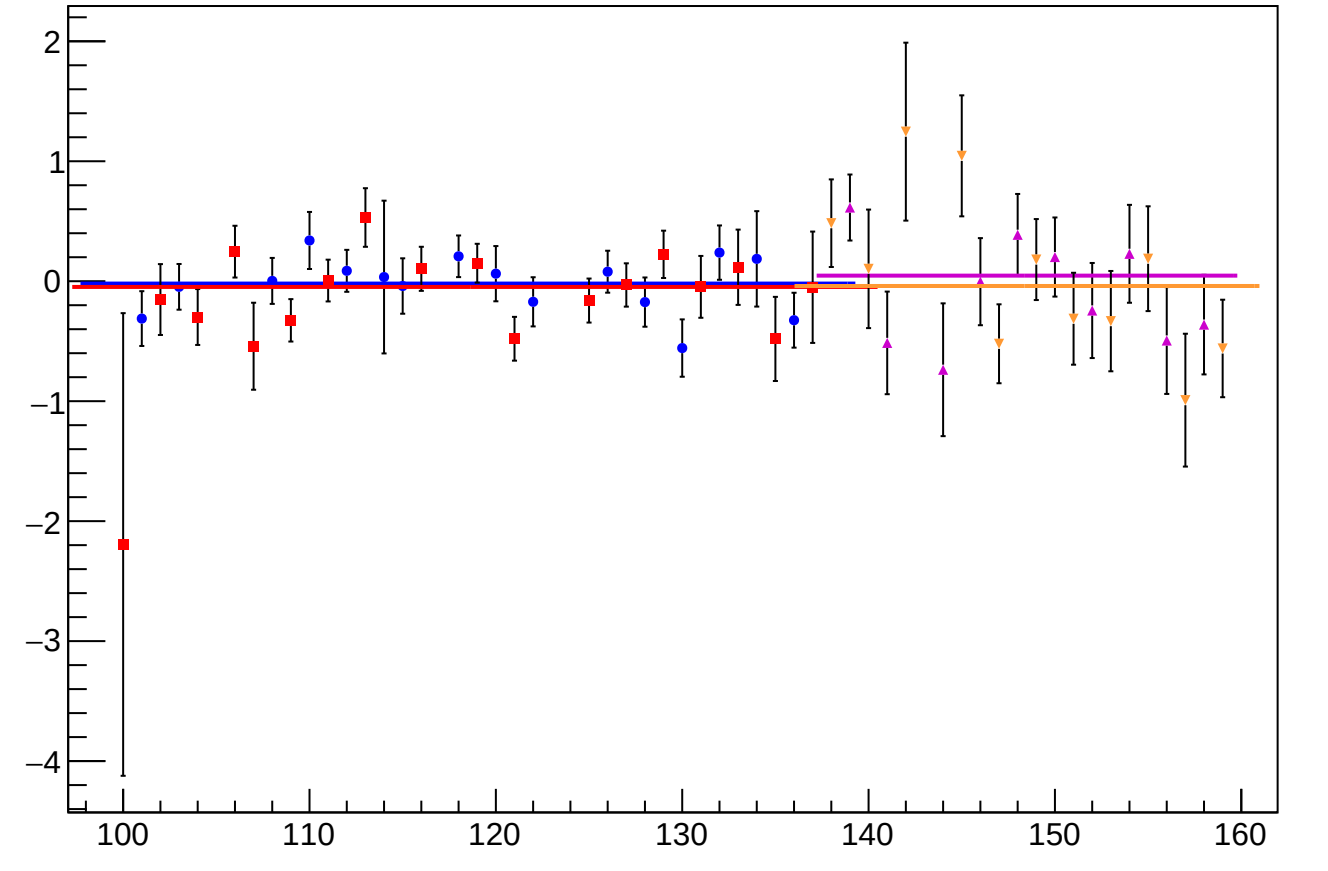
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 340.780+/-0.084 χ^2/NDF:632260.2/9

+ sign 172.684+/-0.035 χ^2/NDF: 6579662.9/26

All: 168.300+/-0.024 χ^2/NDF: 13331802.6/54

- sign 164.227+/-0.034 χ^2/NDF: 6722269.3/27



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.040+/-0.127 χ^2/NDF:18.2/10

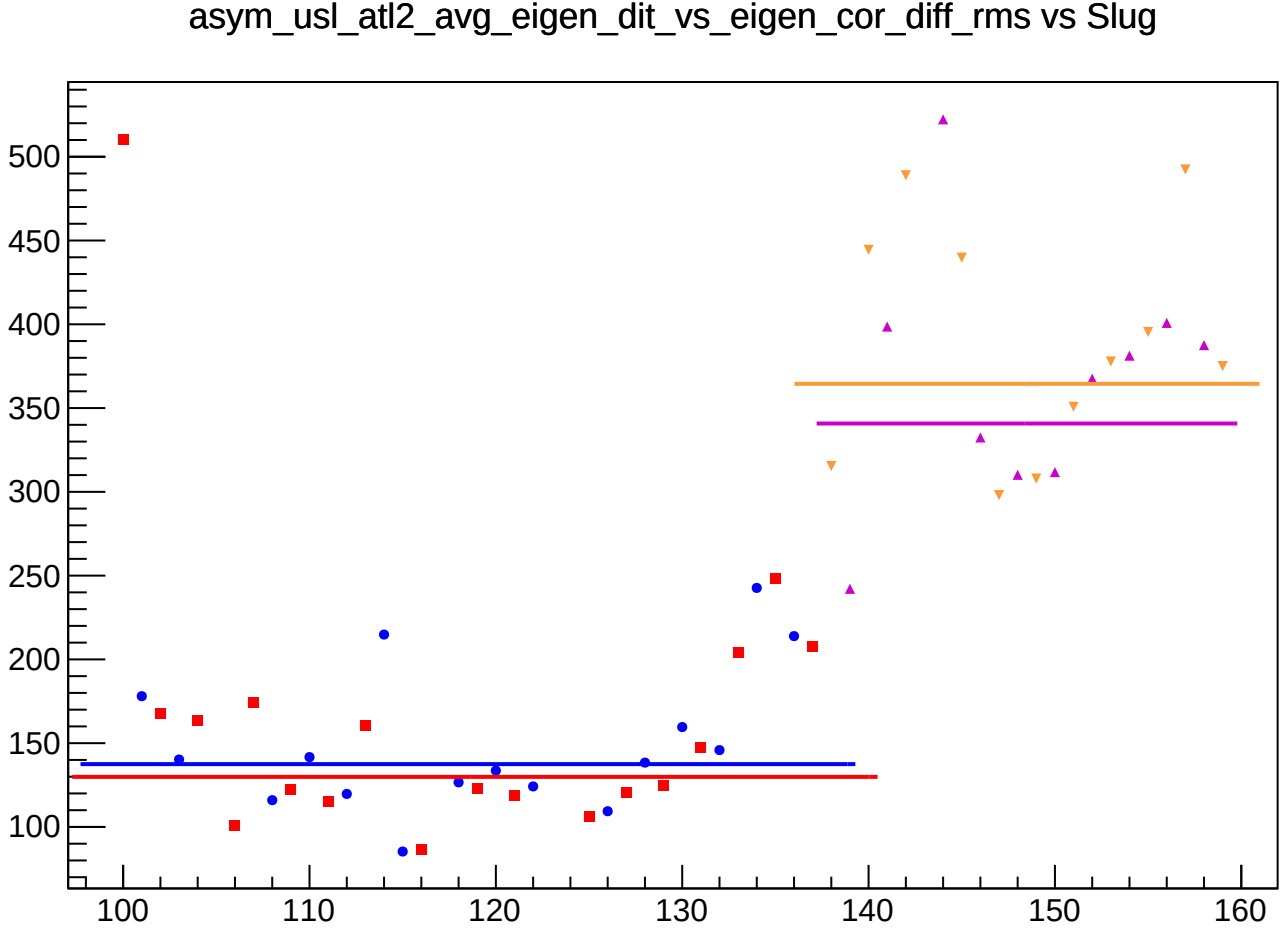
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.047+/-0.119 χ^2/NDF:12.4/9

+ sign -0.023+/-0.050 χ^2/NDF: 34.3/26

All: -0.028+/-0.035 χ^2/NDF: 73.5/54

- sign -0.032+/-0.048 χ^2/NDF: 39.2/27



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 364.459+/-0.089 χ^2/NDF:449898.0/10

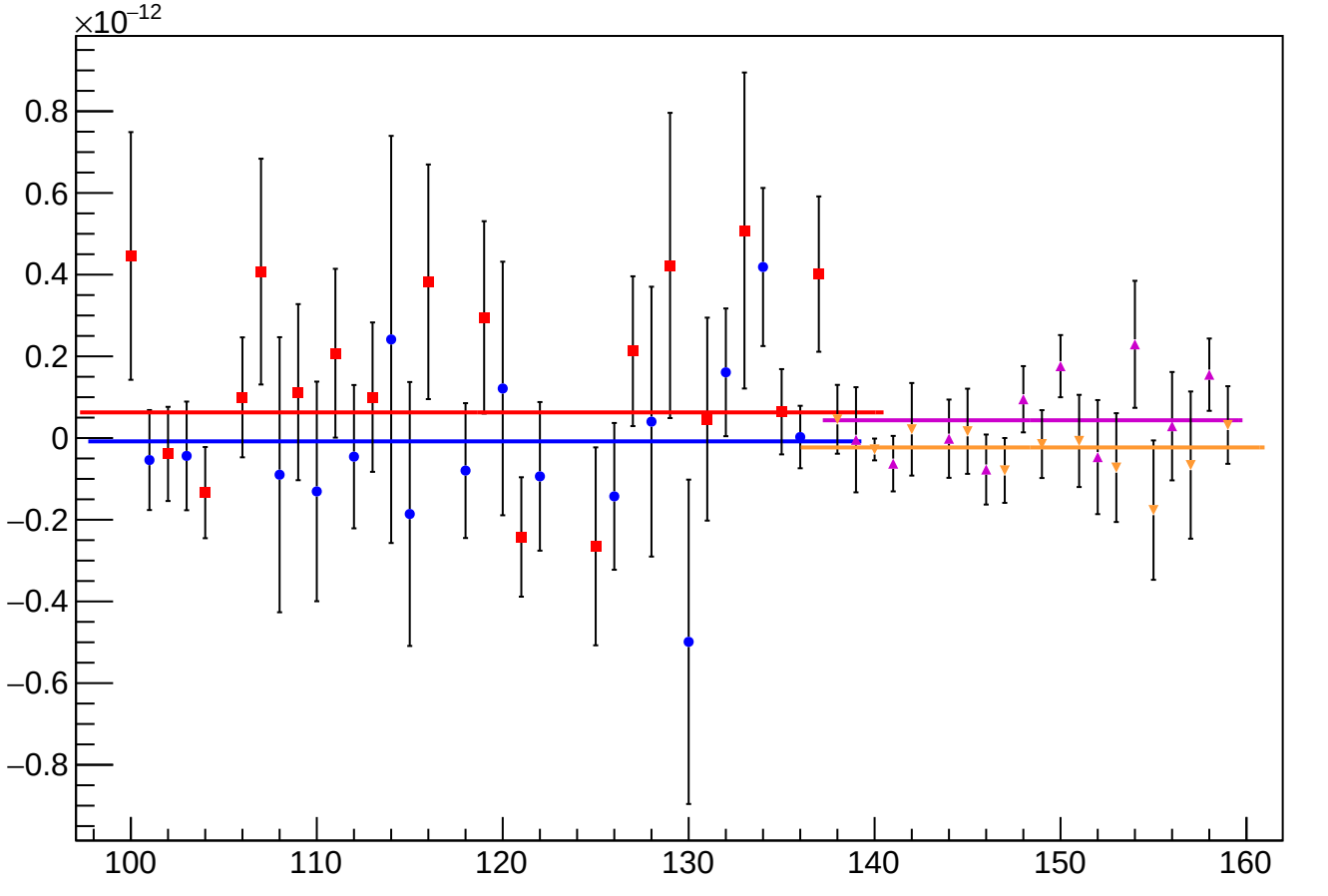
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 340.780+/-0.084 χ^2/NDF:632260.2/9

+ sign 172.684+/-0.035 χ^2/NDF: 6579662.9/26

All: 168.300+/-0.024 χ^2/NDF: 13331802.6/54

- sign 164.227+/-0.034 χ^2/NDF: 6722269.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/10

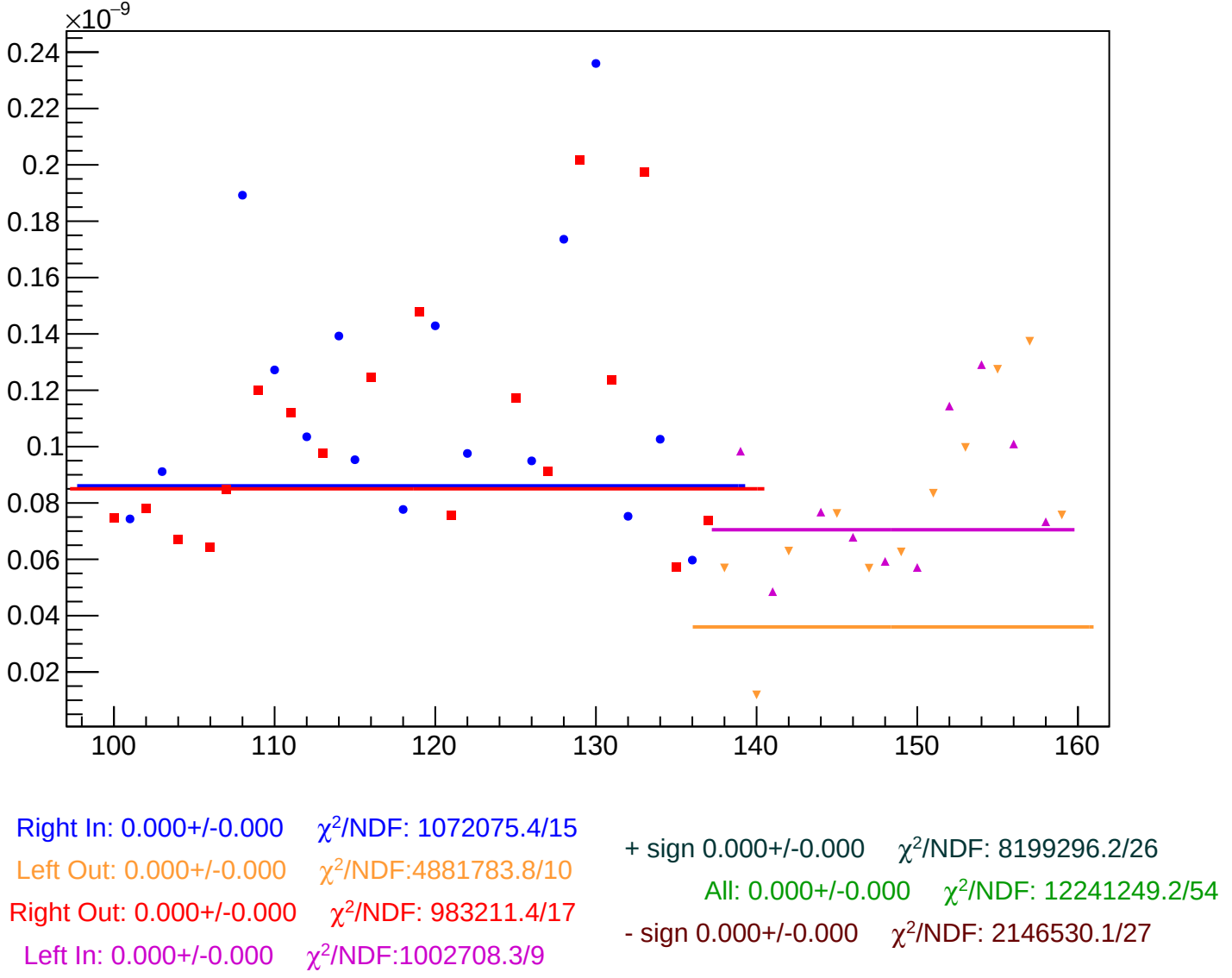
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:11.7/9

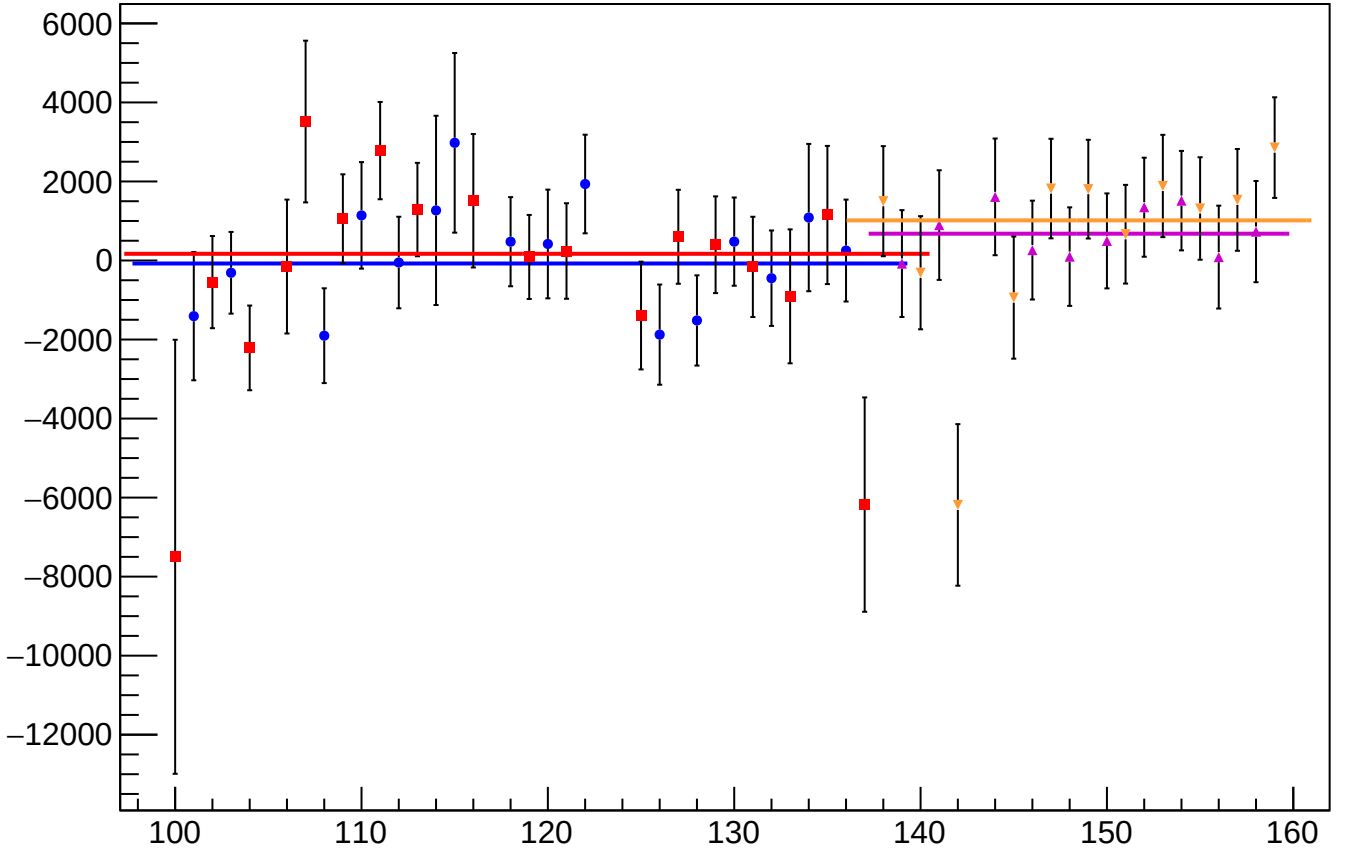
+ sign -0.000+/-0.000 χ^2/NDF: 12.8/26

All: 0.000+/-0.000 χ^2/NDF: 52.0/54

- sign 0.000+/-0.000 χ^2/NDF: 34.0/27


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:1002708.3/9
+ sign 0.000+/-0.000 χ²/NDF: 8199296.2/26
All: 0.000+/-0.000 χ²/NDF: 12241249.2/54
- sign 0.000+/-0.000 χ²/NDF: 2146530.1/27

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

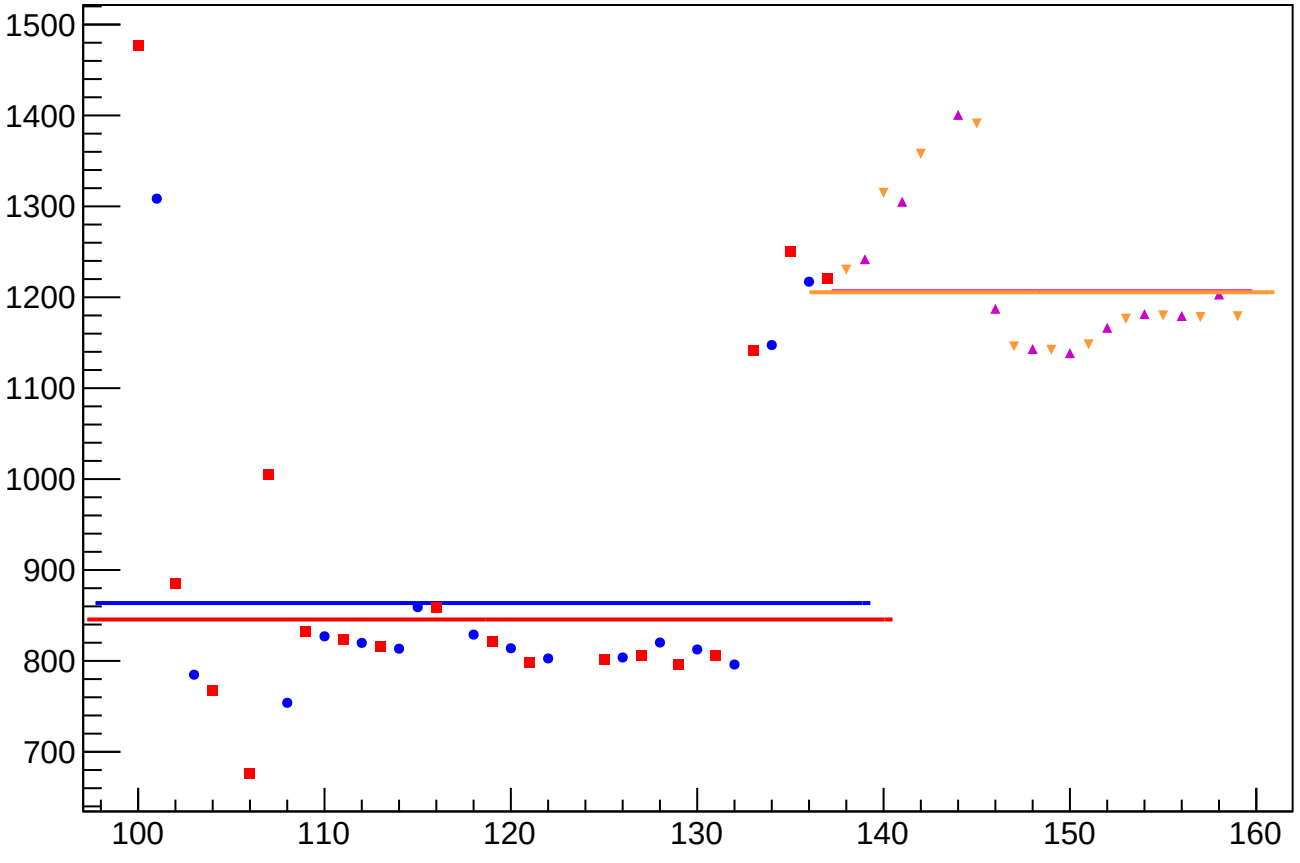
Left In: 678.327+/-409.297 χ^2/NDF:2.0/9

+ sign 348.543+/-254.992 χ^2/NDF: 36.3/26

All: 356.232+/-179.594 χ^2/NDF: 63.7/54

- sign 363.802+/-252.988 χ^2/NDF: 27.4/27

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

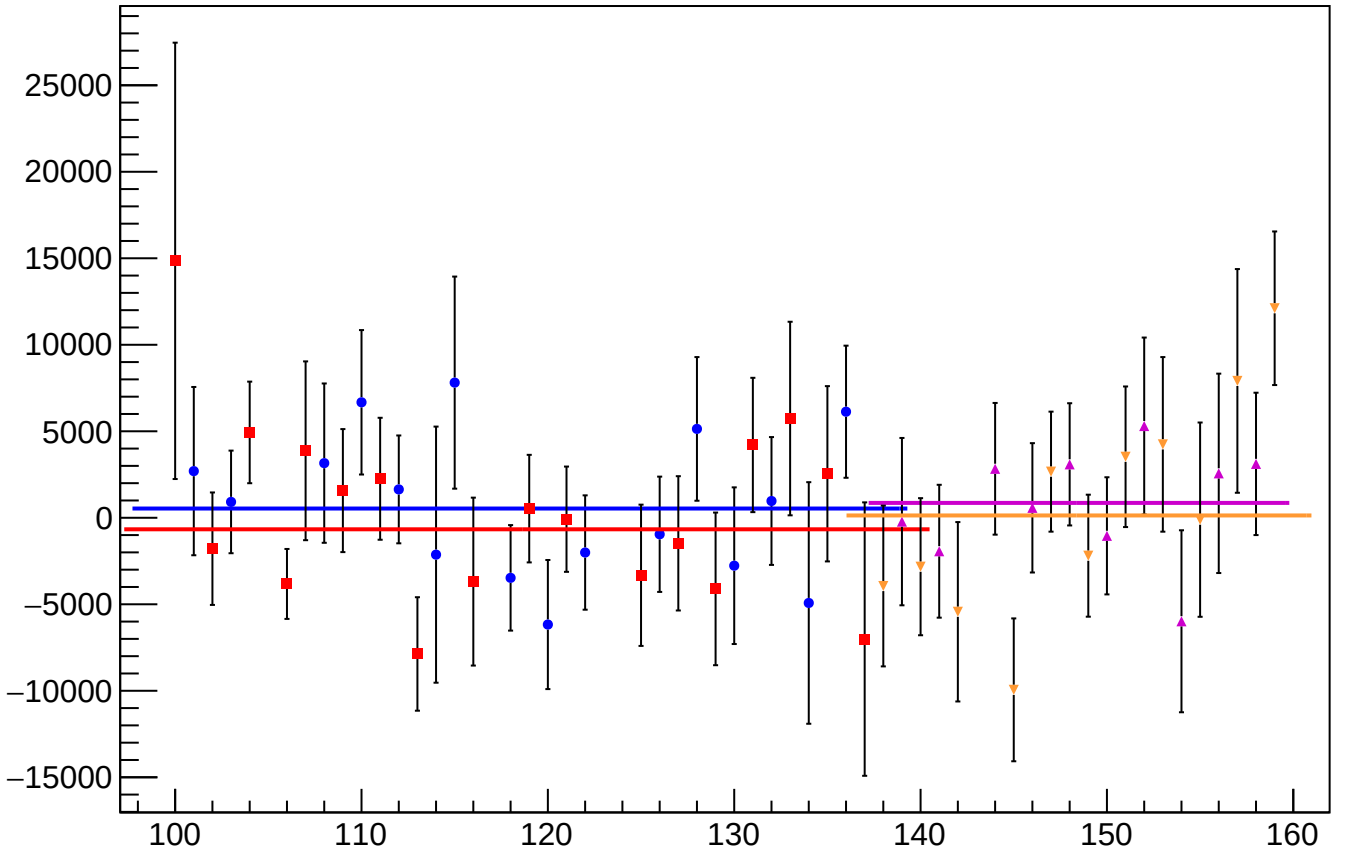
Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

+ sign 996.660+/-0.180 χ^2/NDF: 1331574.6/26

All: 988.901+/-0.126 χ^2/NDF: 2675258.7/54

- sign 981.380+/-0.178 χ^2/NDF: 1340037.3/27



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

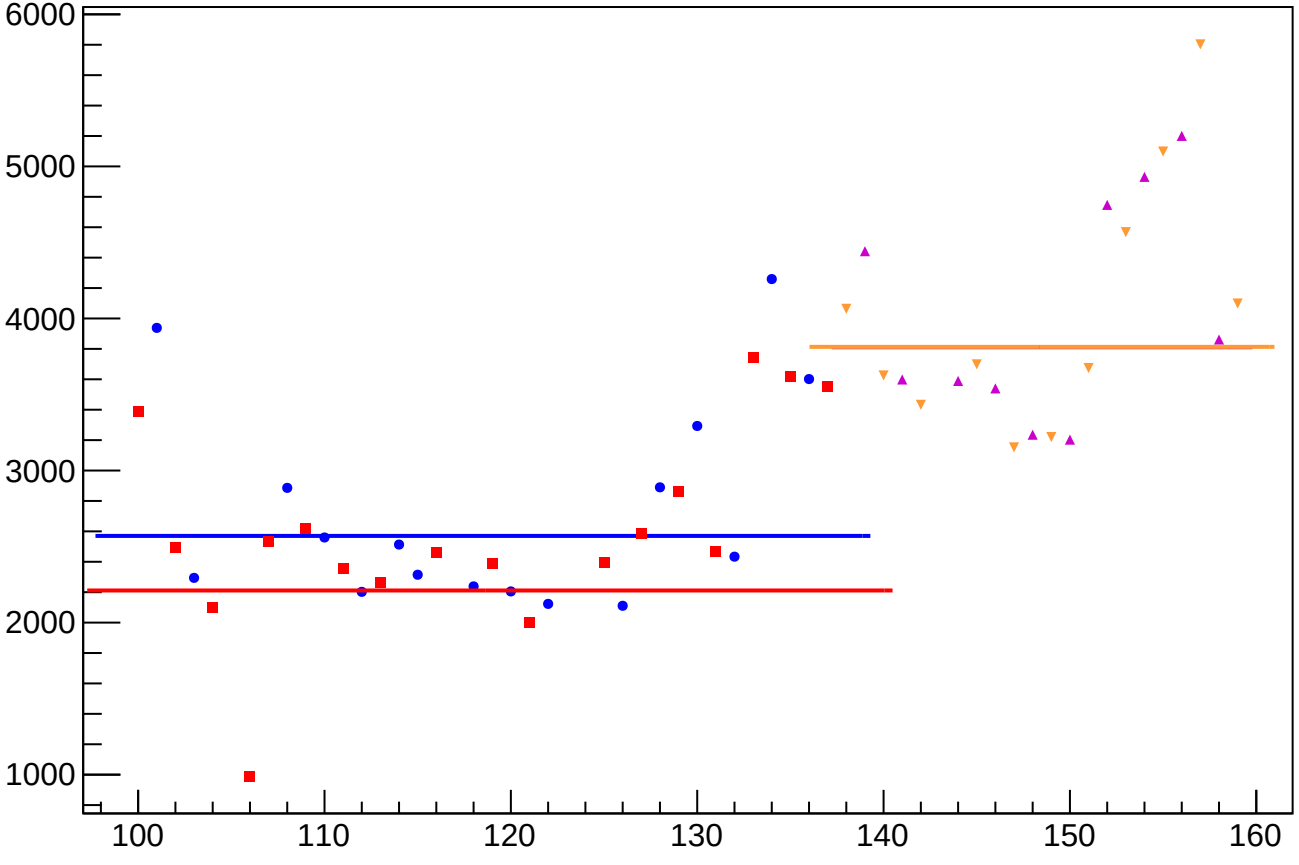
Left In: 859.526+/-1310.679 χ^2/NDF:4.4/9

\+ sign 391.851+/-787.093 χ^2/NDF: 34.2/26

All: 68.739+/-532.030 χ^2/NDF: 59.8/54

\- sign -203.088+/-721.932 χ^2/NDF: 25.3/27

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

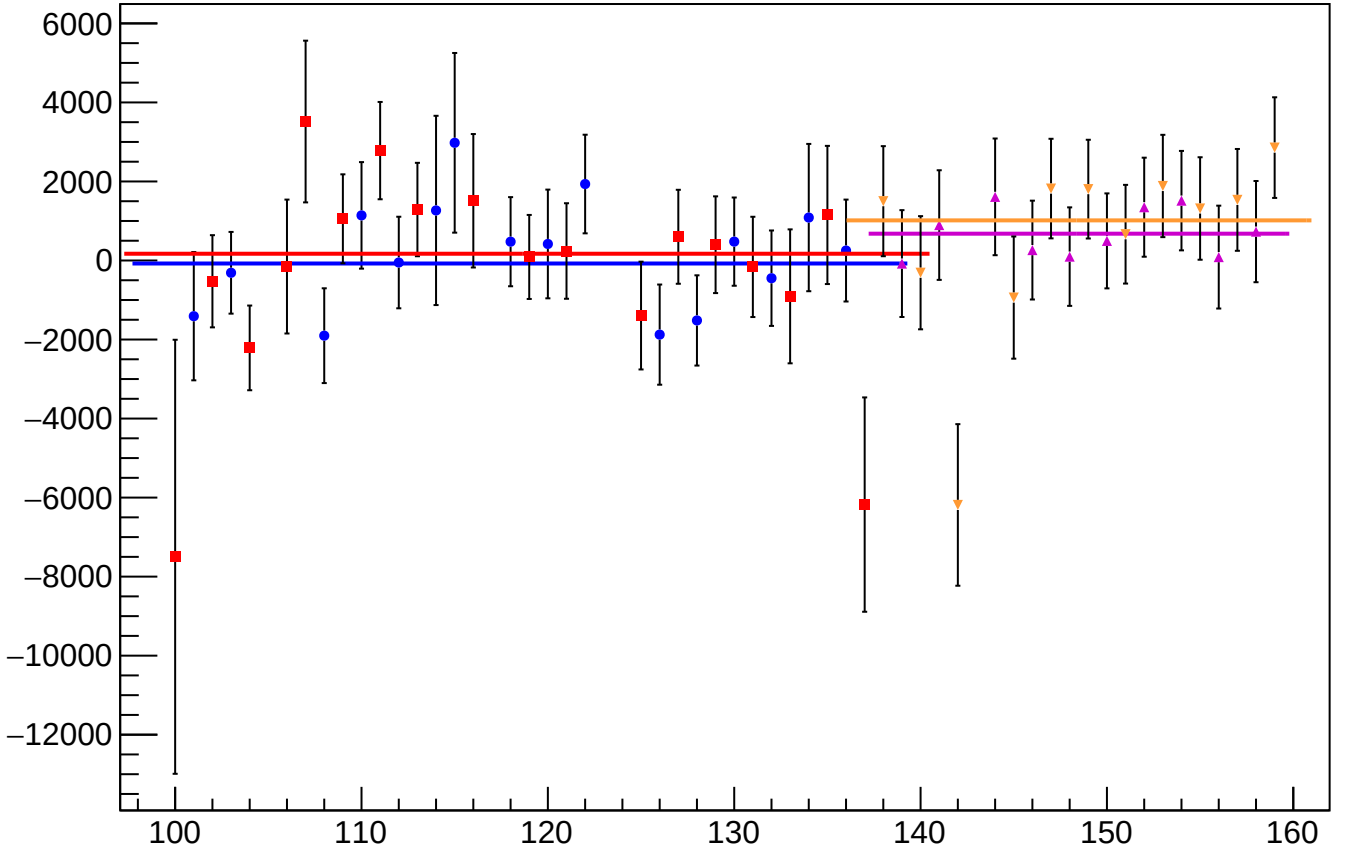
Left In: 3810.846+/-0.927 χ^2/NDF:449358.1/9

+ sign 3013.510+/-0.557 χ^2/NDF: 2308487.9/26

All: 2841.376+/-0.376 χ^2/NDF: 6273155.6/54

- sign 2696.563+/-0.510 χ^2/NDF: 3788537.9/27

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

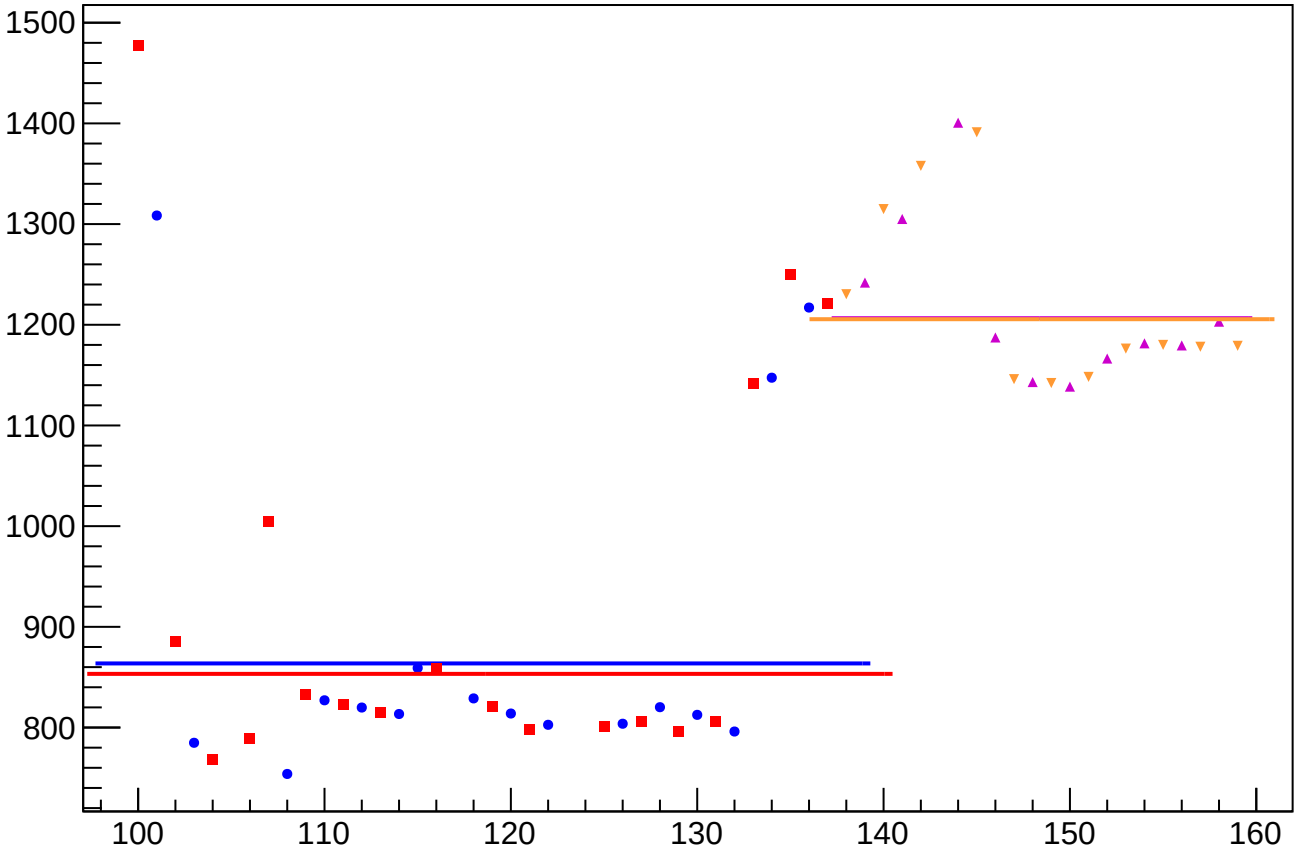
Left In: 678.345+/-409.297 χ^2/NDF:2.0/9

+ sign 348.471+/-254.992 χ^2/NDF: 36.3/26

All: 356.712+/-179.595 χ^2/NDF: 63.7/54

- sign 364.824+/-252.990 χ^2/NDF: 27.3/27

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

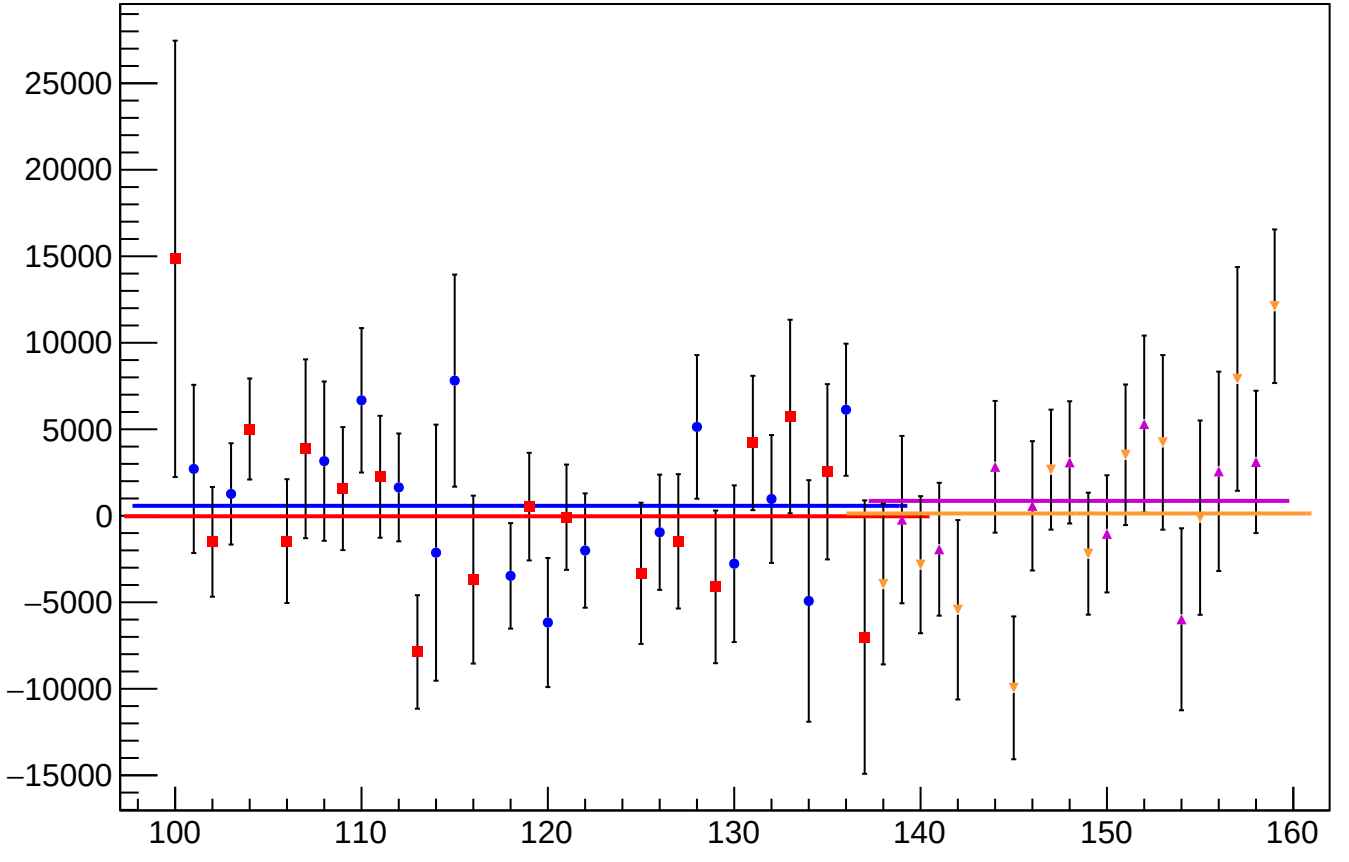
Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

+ sign 996.660+/-0.180 χ^2/NDF: 1331574.7/26

All: 991.978+/-0.127 χ^2/NDF: 2594417.5/54

- sign 987.398+/-0.178 χ^2/NDF: 1261509.0/27

asym_usl_atl2_dd_cor_correction_mean vs Slug



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

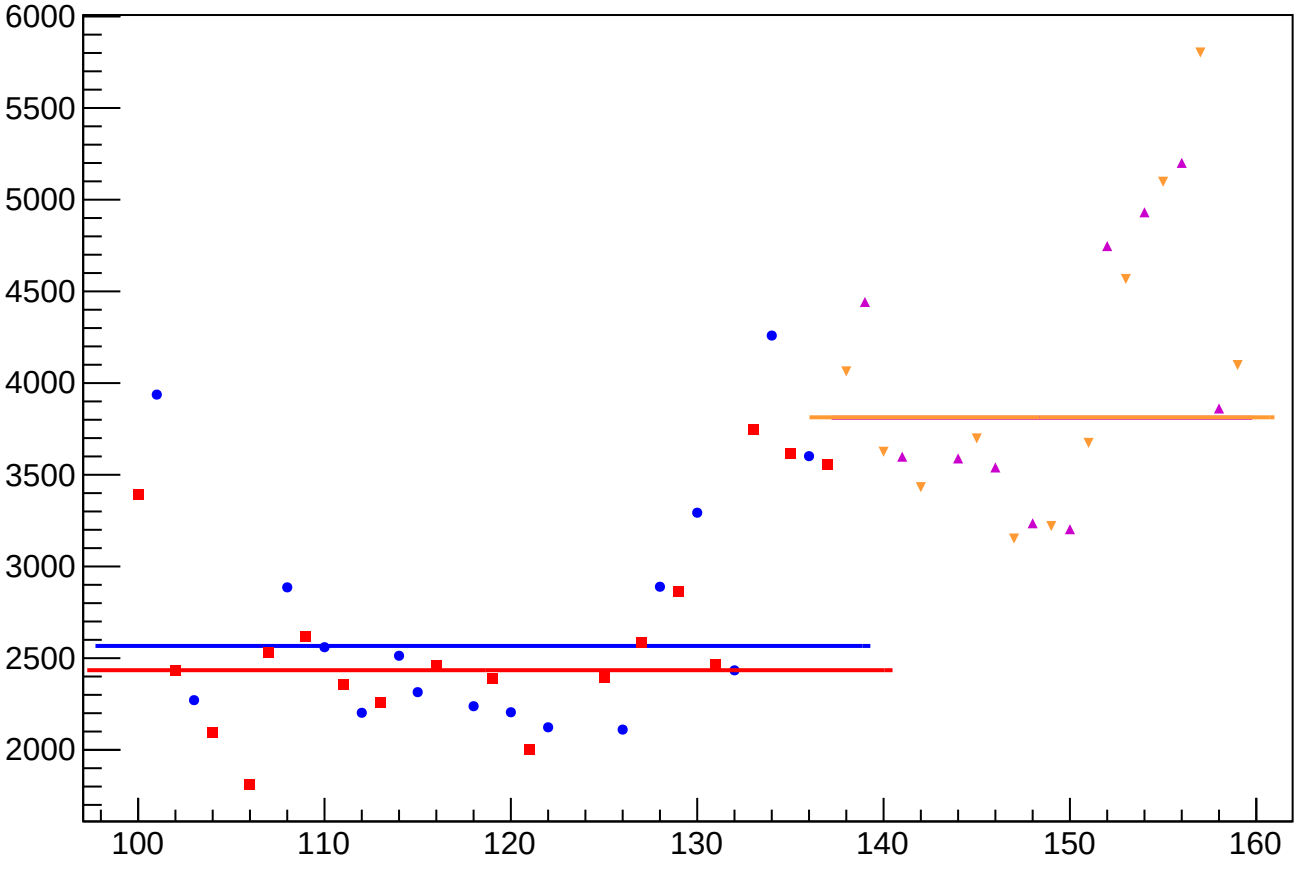
Left In: 859.570+/-1310.678 χ^2/NDF:4.4/9

\+ sign 418.172+/-786.352 χ^2/NDF: 34.3/26

All: 338.628+/-544.300 χ^2/NDF: 56.2/54

\- sign 265.462+/-754.169 χ^2/NDF: 21.9/27

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

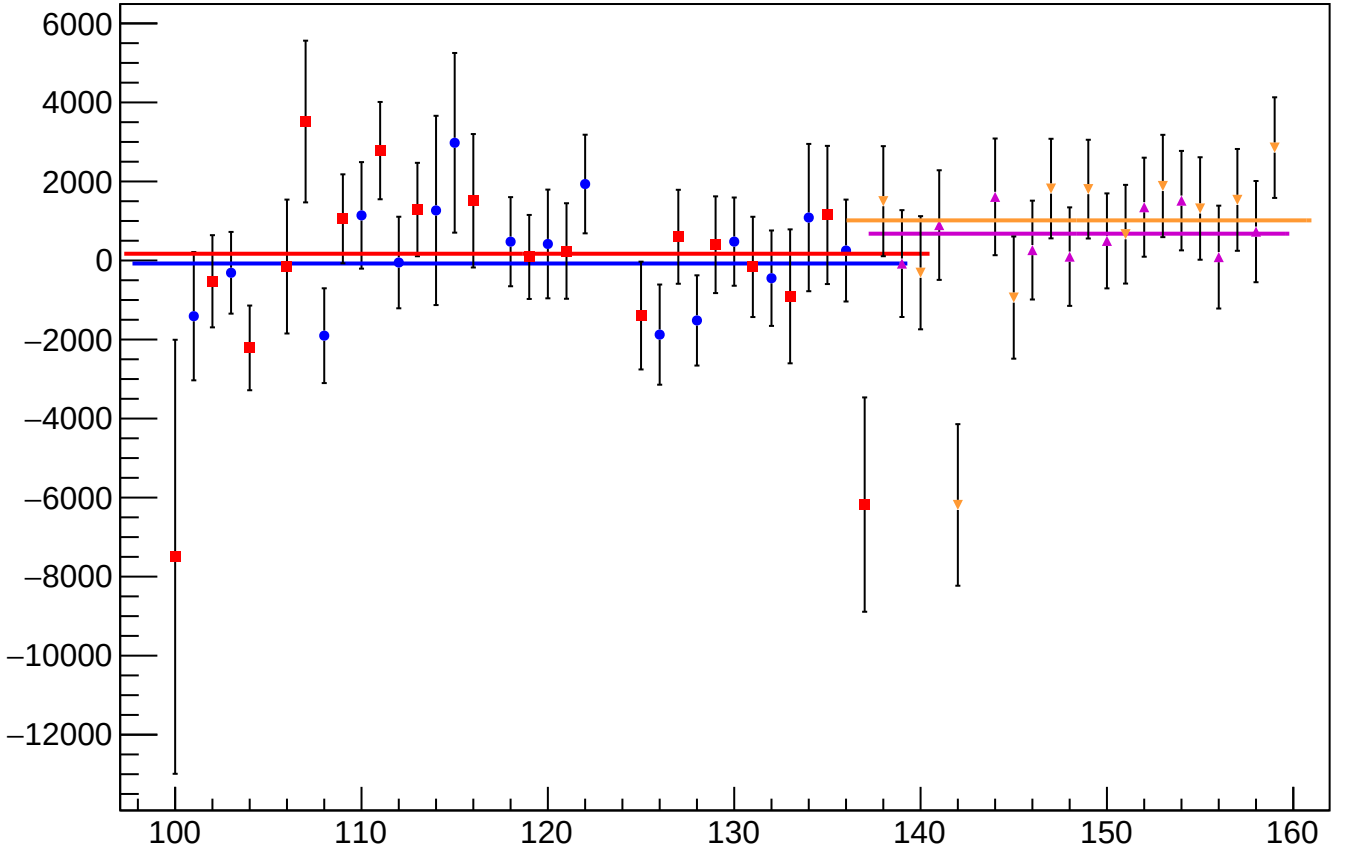
Left In: 3810.840+/-0.927 χ^2/NDF:449359.3/9

+ sign 3010.485+/-0.556 χ^2/NDF: 2319352.2/26

All: 2947.802+/-0.385 χ^2/NDF: 4702560.7/54

- sign 2890.146+/-0.533 χ^2/NDF: 2358810.9/27

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

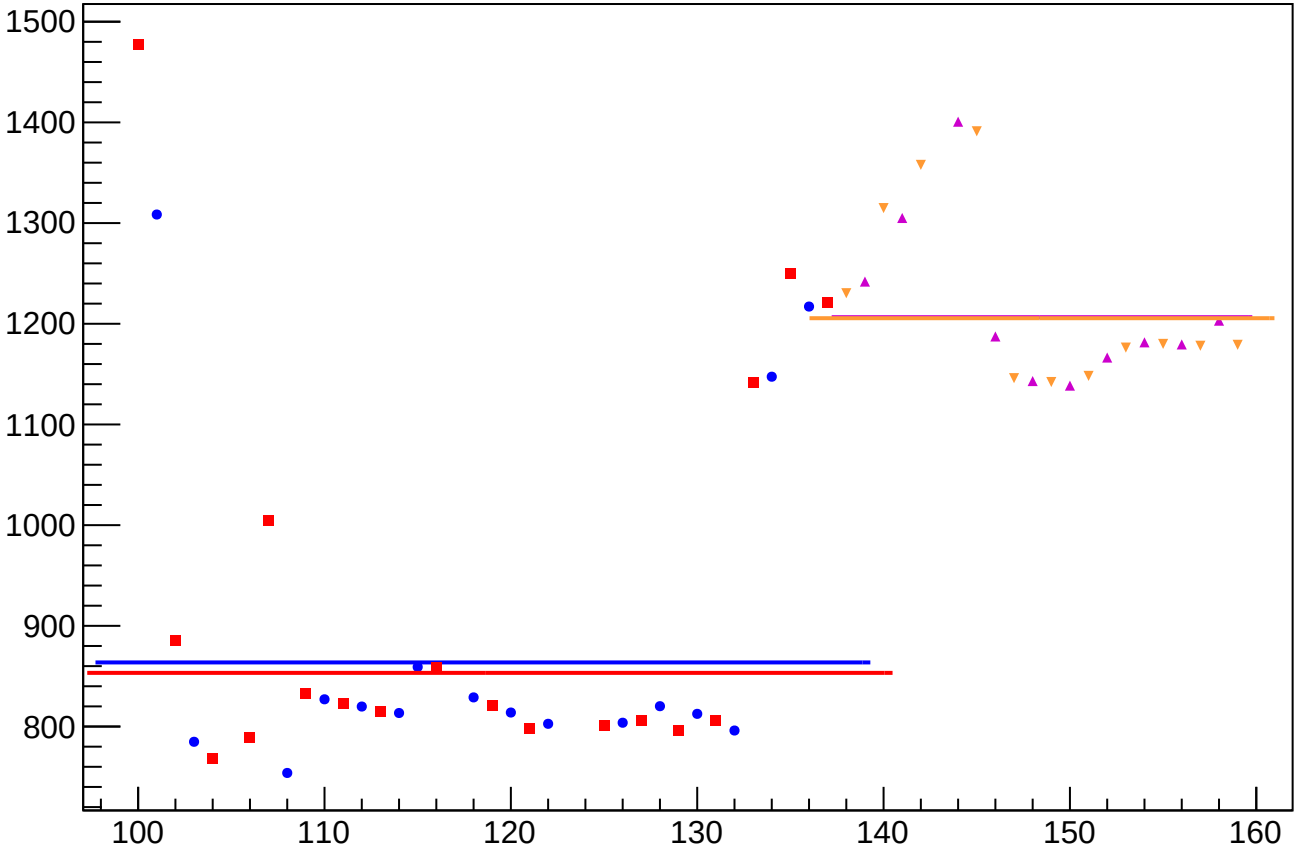
Left In: 678.345+/-409.297 χ^2/NDF:2.0/9

+ sign 348.471+/-254.992 χ^2/NDF: 36.3/26

All: 356.712+/-179.595 χ^2/NDF: 63.7/54

- sign 364.824+/-252.990 χ^2/NDF: 27.3/27

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

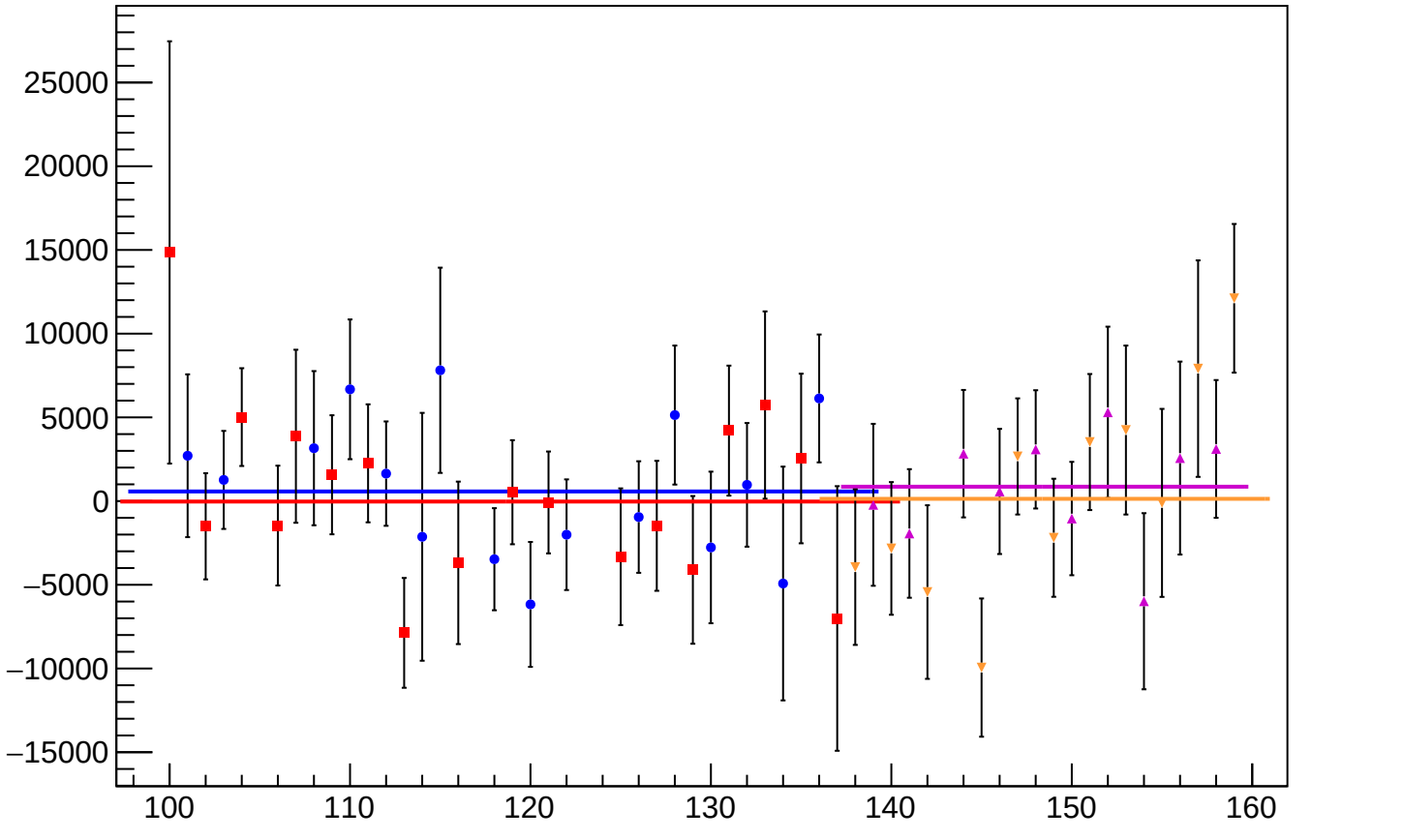
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1206.564+/-0.289 χ^2/NDF:61800.5/9

+ sign 996.660+/-0.180 χ^2/NDF: 1331574.7/26

All: 991.978+/-0.127 χ^2/NDF: 2594417.5/54

- sign 987.398+/-0.178 χ^2/NDF: 1261509.0/27



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 134.493+/-1317.996 χ^2/NDF:19.5/10

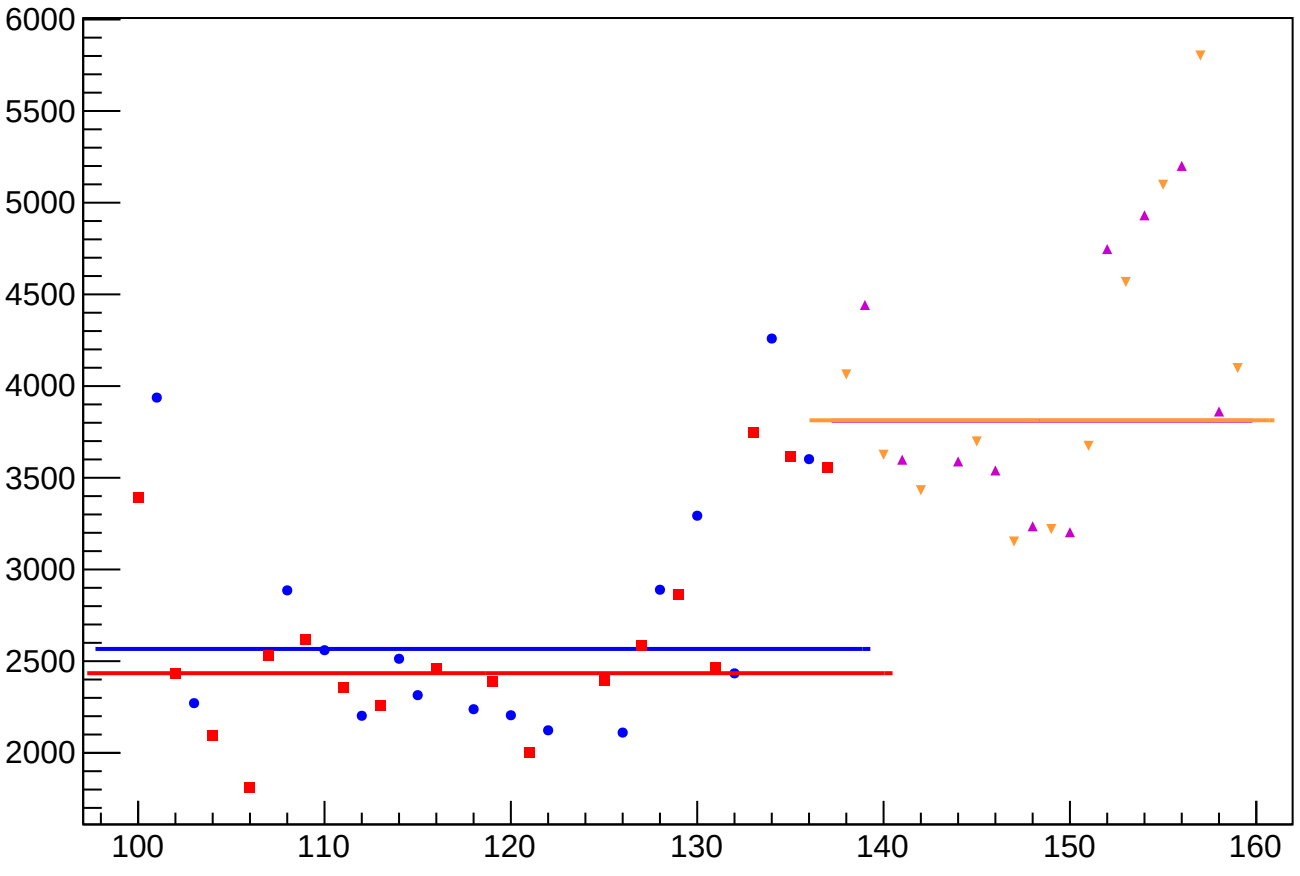
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 859.570+/-1310.678 χ^2/NDF:4.4/9

\+ sign 418.172+/-786.352 χ^2/NDF: 34.3/26

All: 338.628+/-544.300 χ^2/NDF: 56.2/54

\- sign 265.462+/-754.169 χ^2/NDF: 21.9/27



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3813.353+/-0.932 χ^2/NDF:501141.4/10

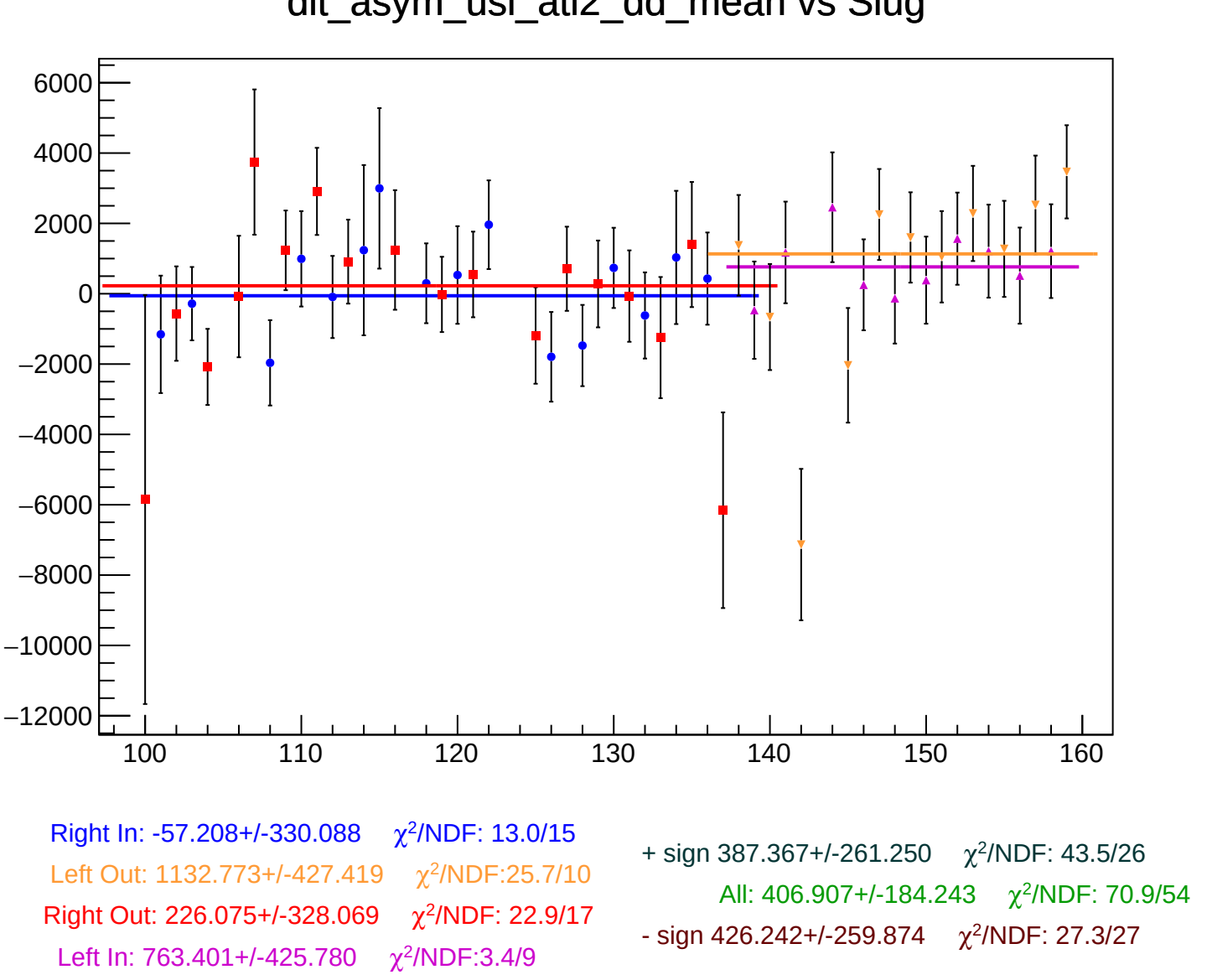
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3810.840+/-0.927 χ^2/NDF:449359.3/9

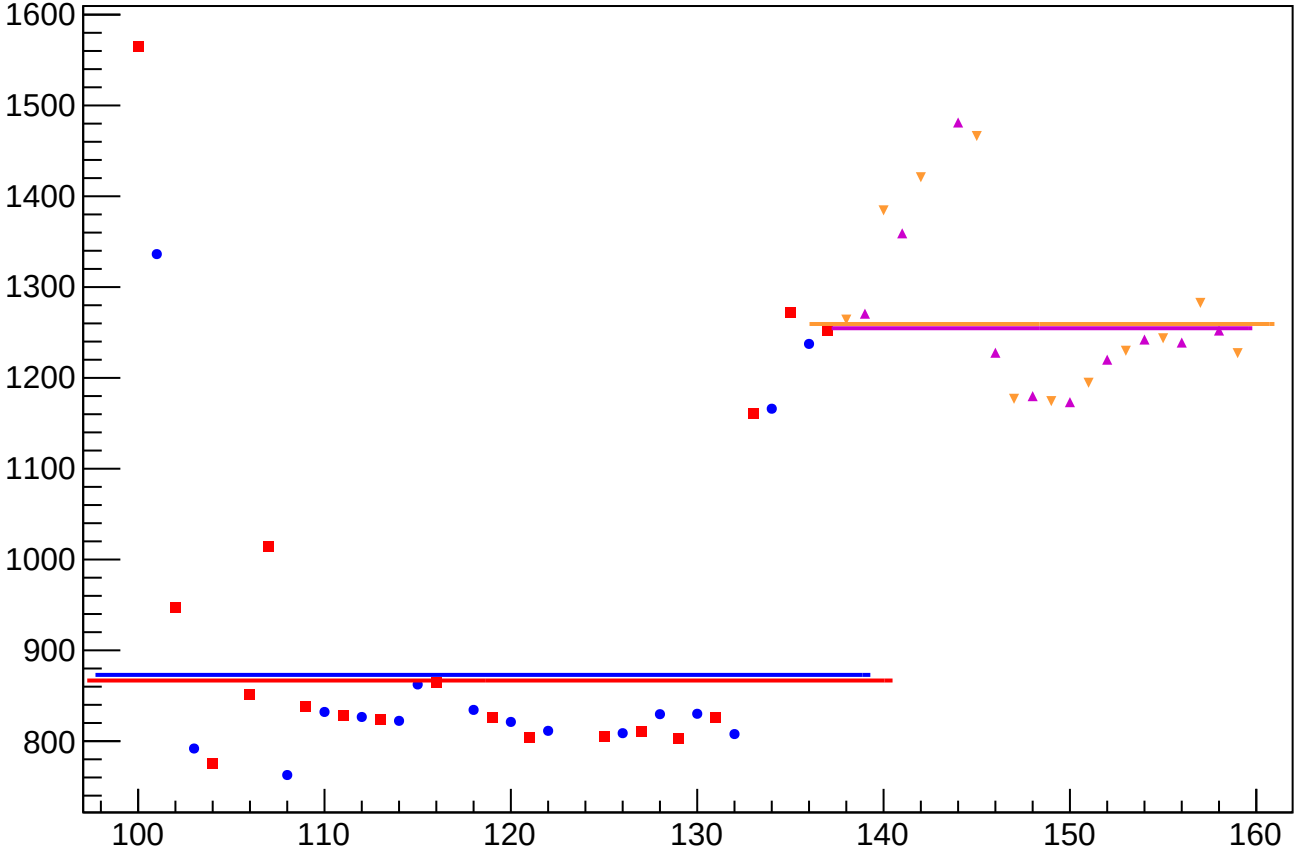
+ sign 3010.485+/-0.556 χ^2/NDF: 2319352.2/26

All: 2947.802+/-0.385 χ^2/NDF: 4702560.7/54

- sign 2890.146+/-0.533 χ^2/NDF: 2358810.9/27


dit_asym_usl_atl2_dd_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -57.208+/-330.088 χ²/NDF: 13.0/15
Left Out: 1132.773+/-427.419 χ²/NDF:25.7/10
Right Out: 226.075+/-328.069 χ²/NDF: 22.9/17
Left In: 763.401+/-425.780 χ²/NDF:3.4/9
+ sign 387.367+/-261.250 χ²/NDF: 43.5/26
All: 406.907+/-184.243 χ²/NDF: 70.9/54
- sign 426.242+/-259.874 χ²/NDF: 27.3/27

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

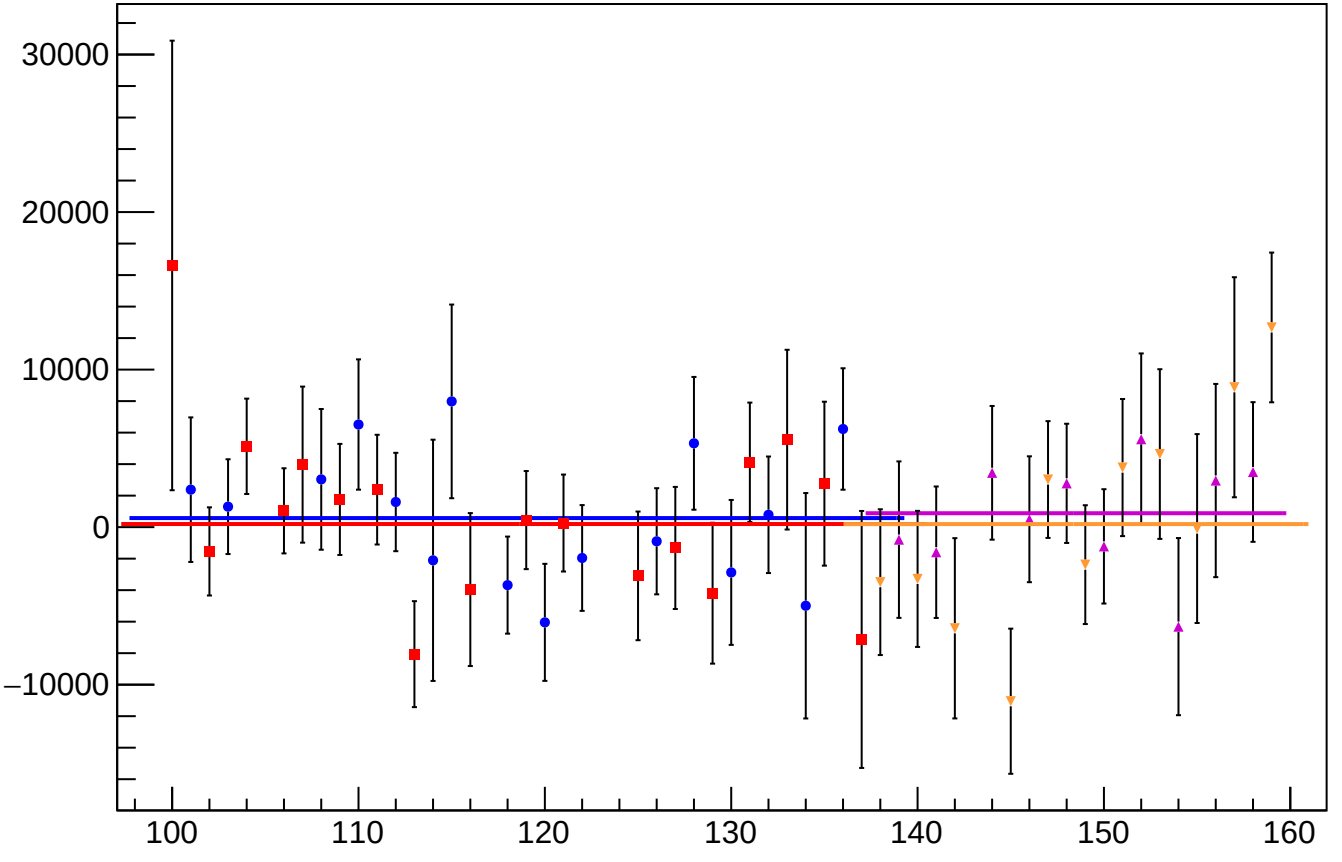
Left In: 1254.674+/-0.301 χ^2/NDF:70957.5/9

+ sign 1017.327+/-0.185 χ^2/NDF: 1522962.6/26

All: 1014.193+/-0.130 χ^2/NDF: 2927242.5/54

- sign 1011.096+/-0.184 χ^2/NDF: 1403707.6/27

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

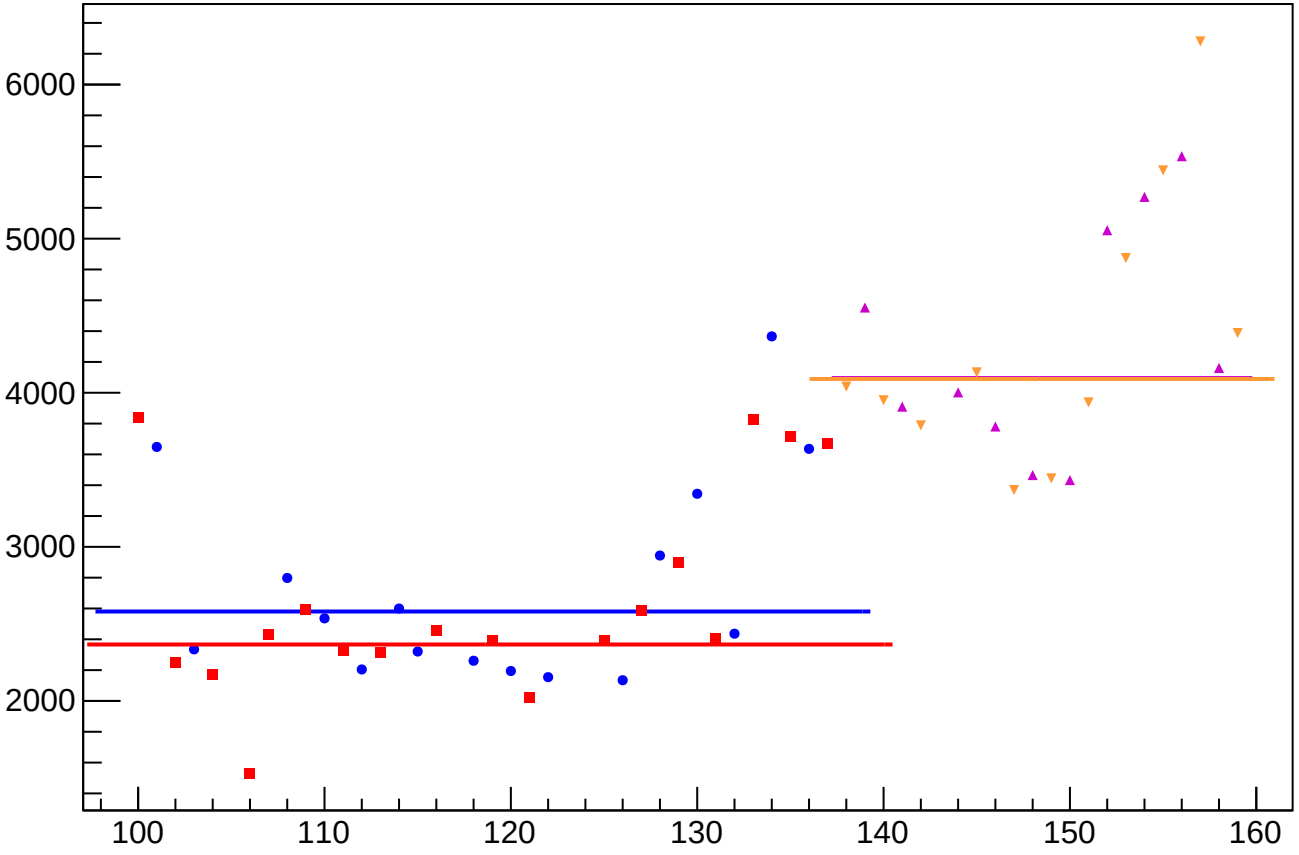
Left In: 883.208+/-1407.491 χ^2/NDF:4.3/9

+ sign 450.509+/-807.947 χ^2/NDF: 34.2/26

All: 420.855+/-551.523 χ^2/NDF: 55.8/54

- sign 394.980+/-754.713 χ^2/NDF: 21.6/27

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

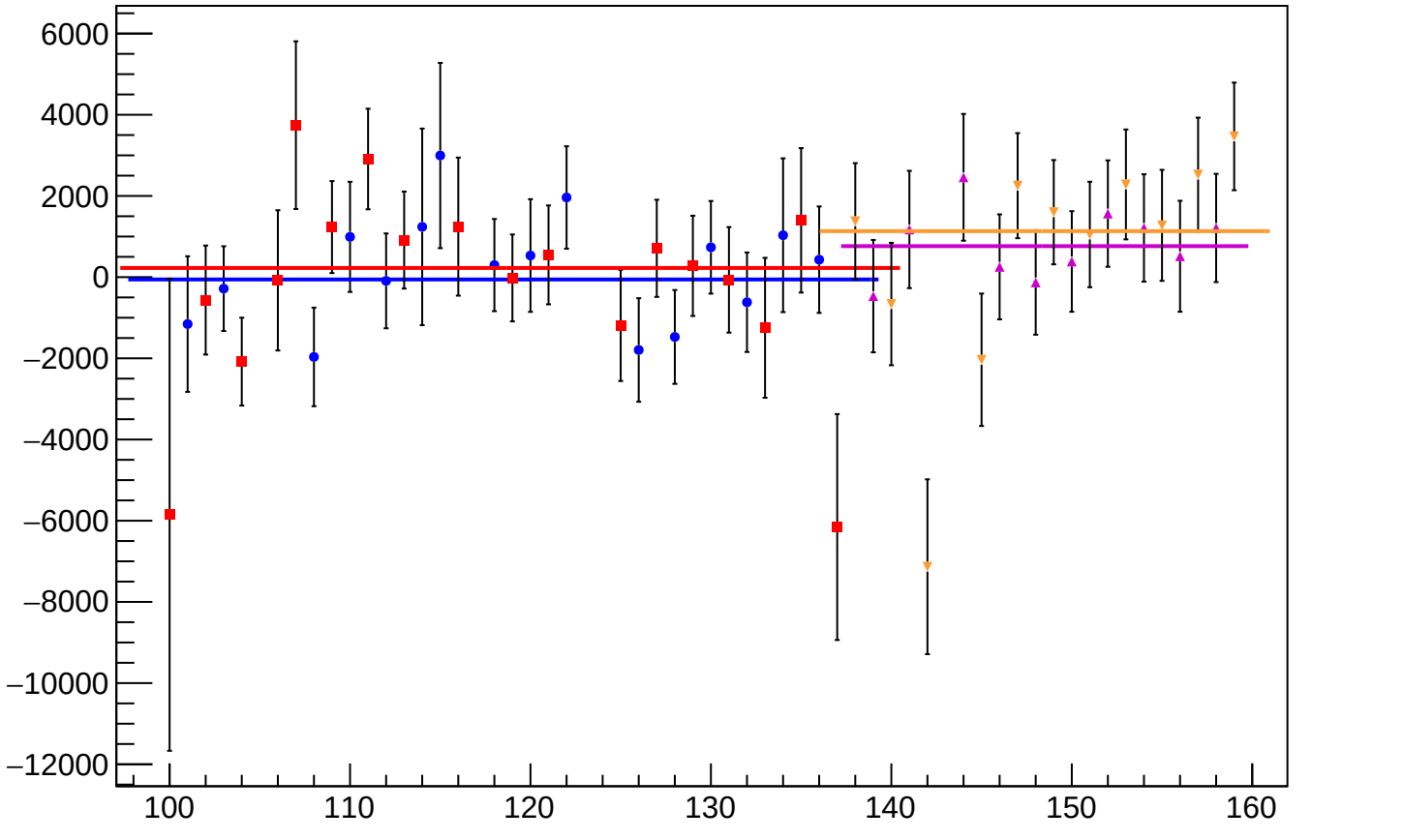
Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4095.419+/-0.995 χ^2/NDF:416392.4/9

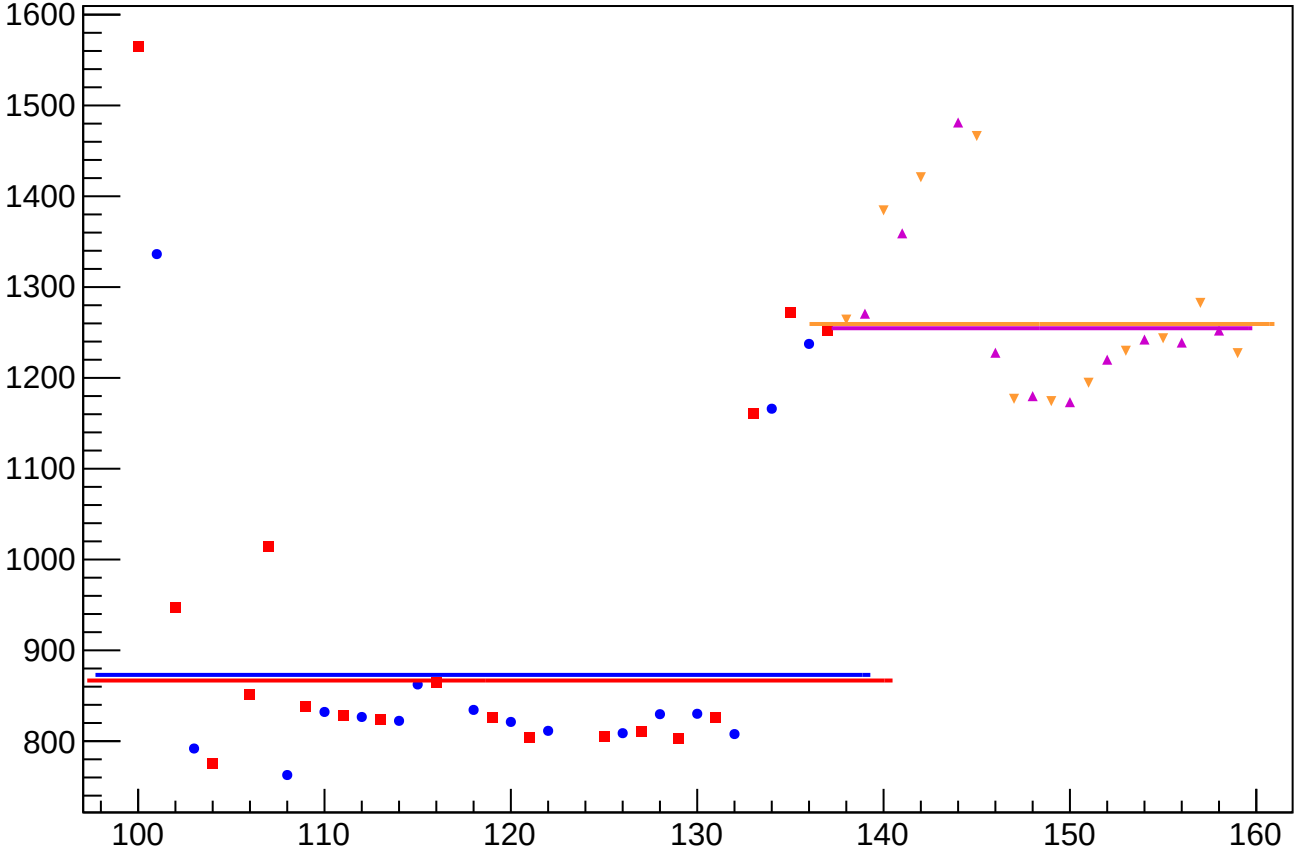
+ sign 3073.896+/-0.571 χ^2/NDF: 2646343.9/26

All: 2961.561+/-0.390 χ^2/NDF: 5897149.8/54

- sign 2863.541+/-0.534 χ^2/NDF: 3178407.2/27


eigen_dit_asym_usl_atl2_dd_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -57.211+/-330.088 χ²/NDF: 13.0/15
Left Out: 1132.773+/-427.419 χ²/NDF:25.7/10
Right Out: 226.078+/-328.069 χ²/NDF: 22.9/17
Left In: 763.403+/-425.781 χ²/NDF:3.4/9
+ sign 387.364+/-261.250 χ²/NDF: 43.5/26
All: 406.907+/-184.243 χ²/NDF: 70.9/54
- sign 426.244+/-259.874 χ²/NDF: 27.3/27

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1259.365+/-0.302 χ^2/NDF:82025.6/10

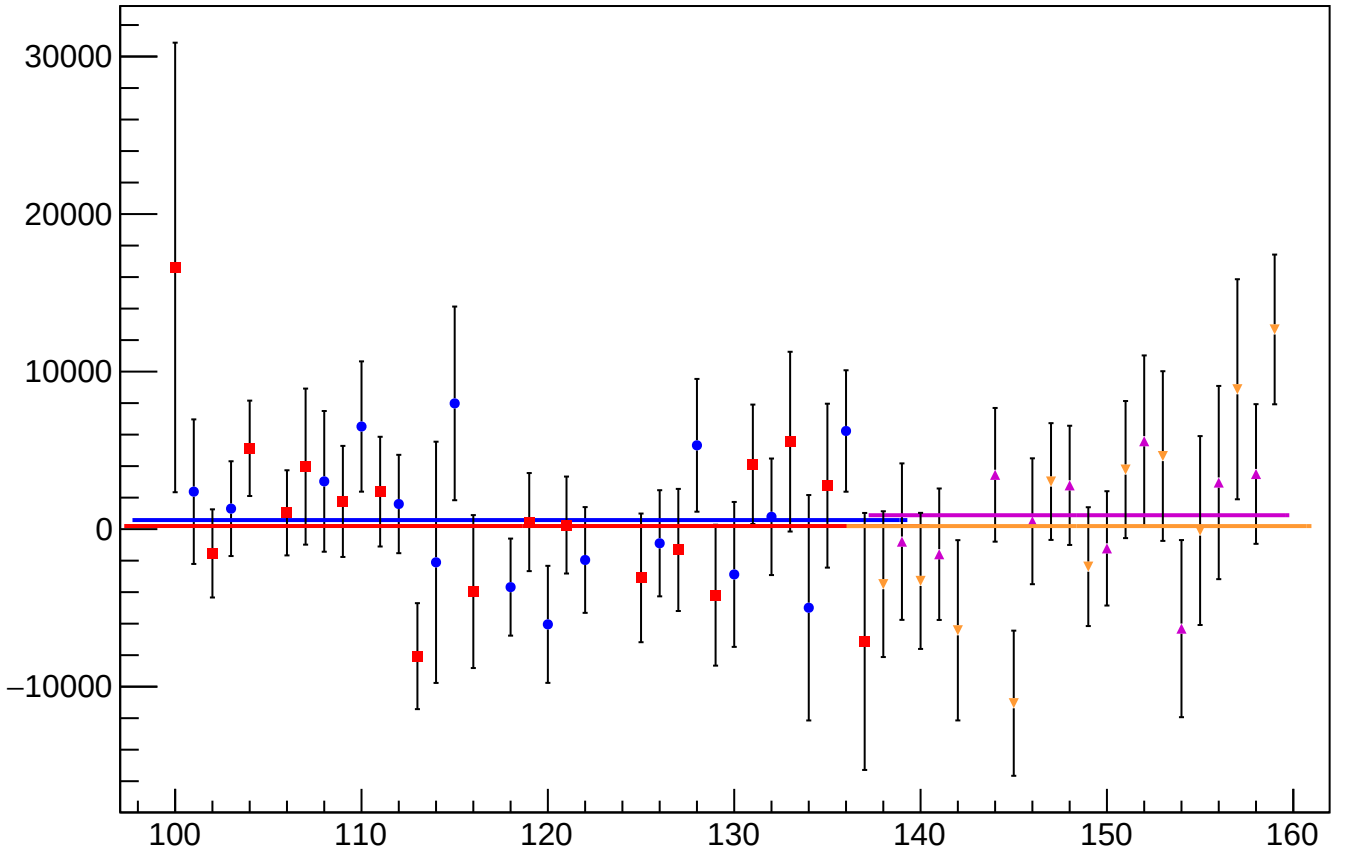
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1254.675+/-0.301 χ^2/NDF:70958.2/9

+ sign 1017.327+/-0.185 χ^2/NDF: 1522969.3/26

All: 1014.193+/-0.130 χ^2/NDF: 2927255.6/54

- sign 1011.096+/-0.184 χ^2/NDF: 1403714.0/27



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 193.780+/-1412.815 χ^2/NDF:19.4/10

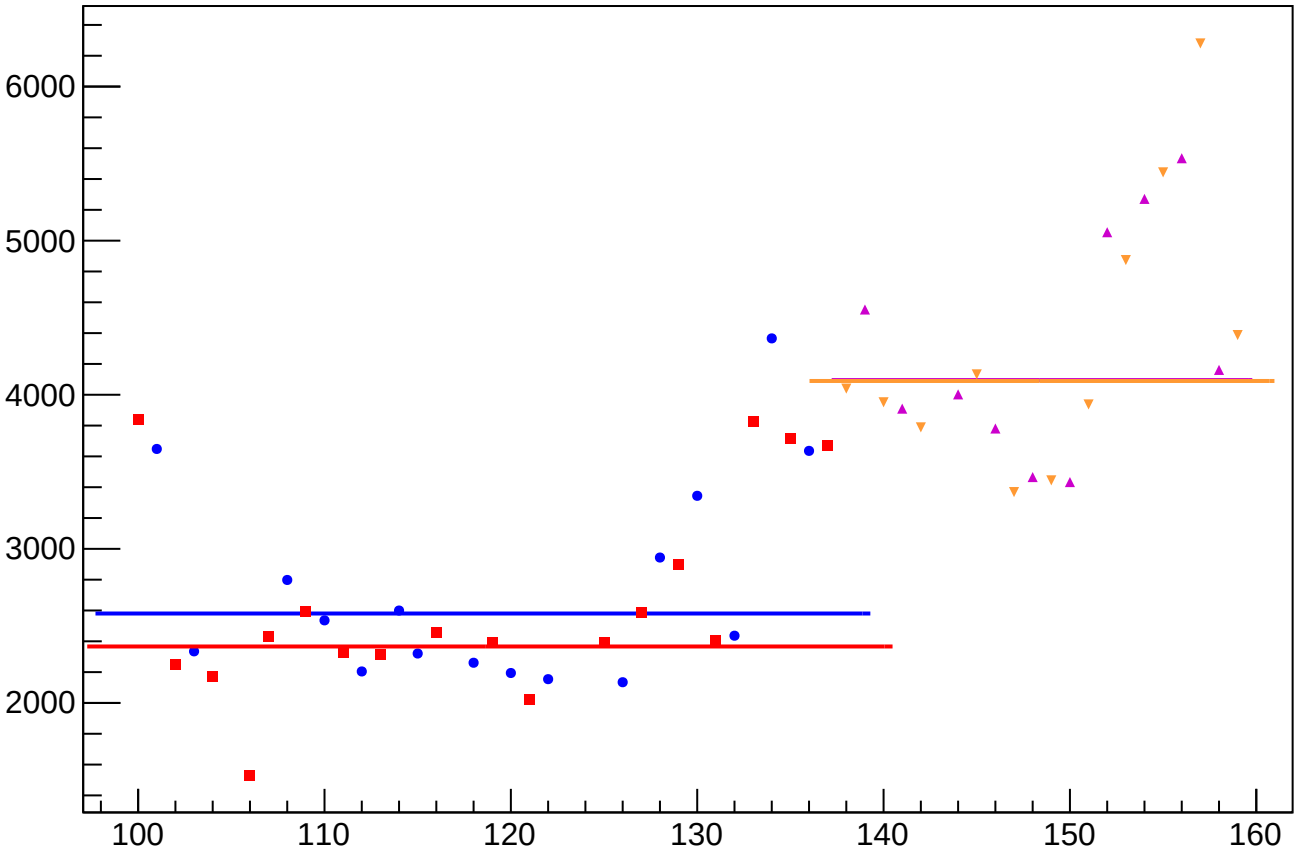
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 883.210+/-1407.493 χ^2/NDF:4.3/9

\+ sign 450.507+/-807.945 χ^2/NDF: 34.2/26

All: 420.854+/-551.522 χ^2/NDF: 55.8/54

\- sign 394.980+/-754.712 χ^2/NDF: 21.6/27



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

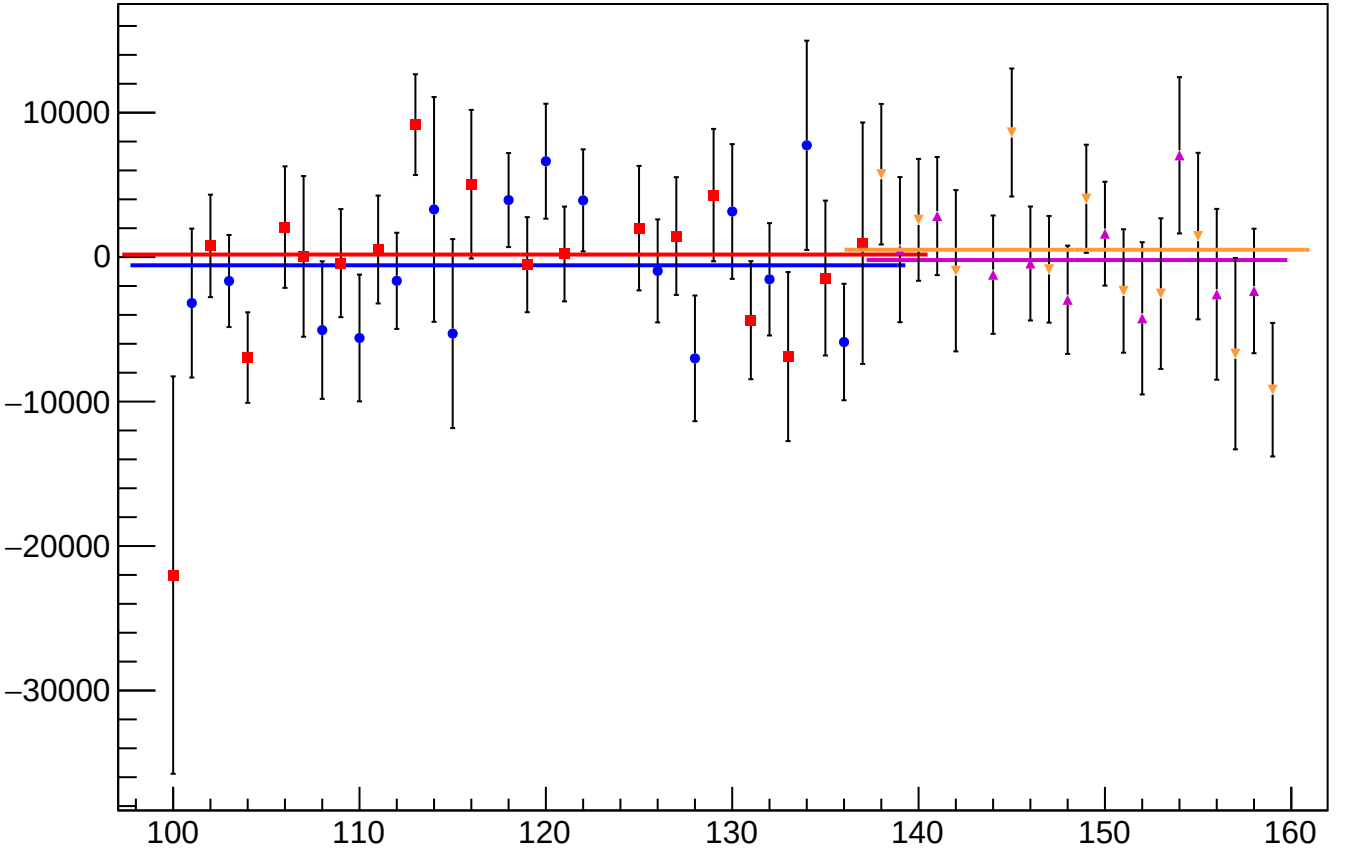
Left In: 4095.424+/-0.995 χ^2/NDF:416396.1/9

+ sign 3073.889+/-0.571 χ^2/NDF: 2646382.3/26

All: 2961.554+/-0.390 χ^2/NDF: 5897224.2/54

- sign 2863.535+/-0.534 χ^2/NDF: 3178443.3/27

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

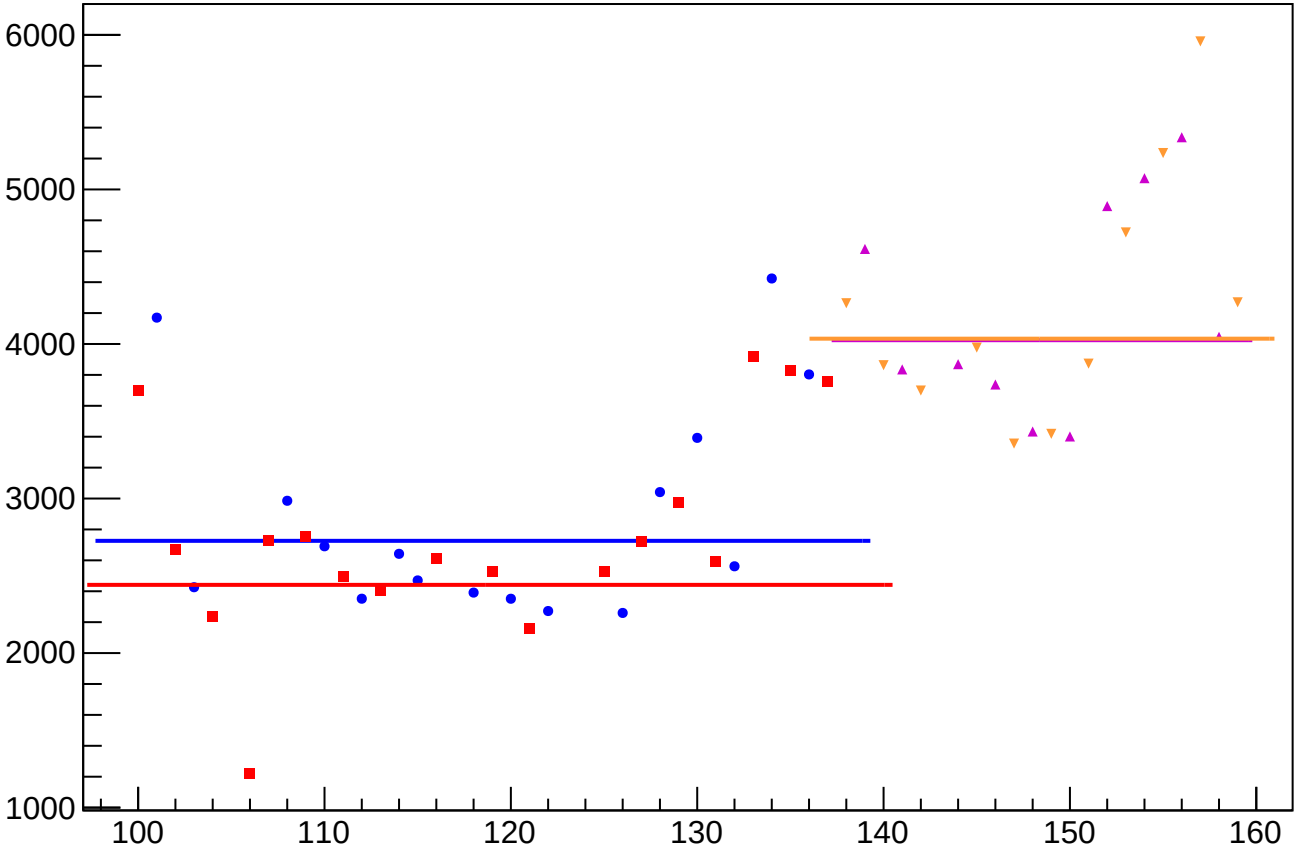
Left In: -202.571+/-1380.818 χ^2/NDF:4.2/9

+ sign -180.033+/-832.910 χ^2/NDF: 28.8/26

All: -61.196+/-578.357 χ^2/NDF: 52.7/54

- sign 49.455+/-803.711 χ^2/NDF: 23.8/27

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

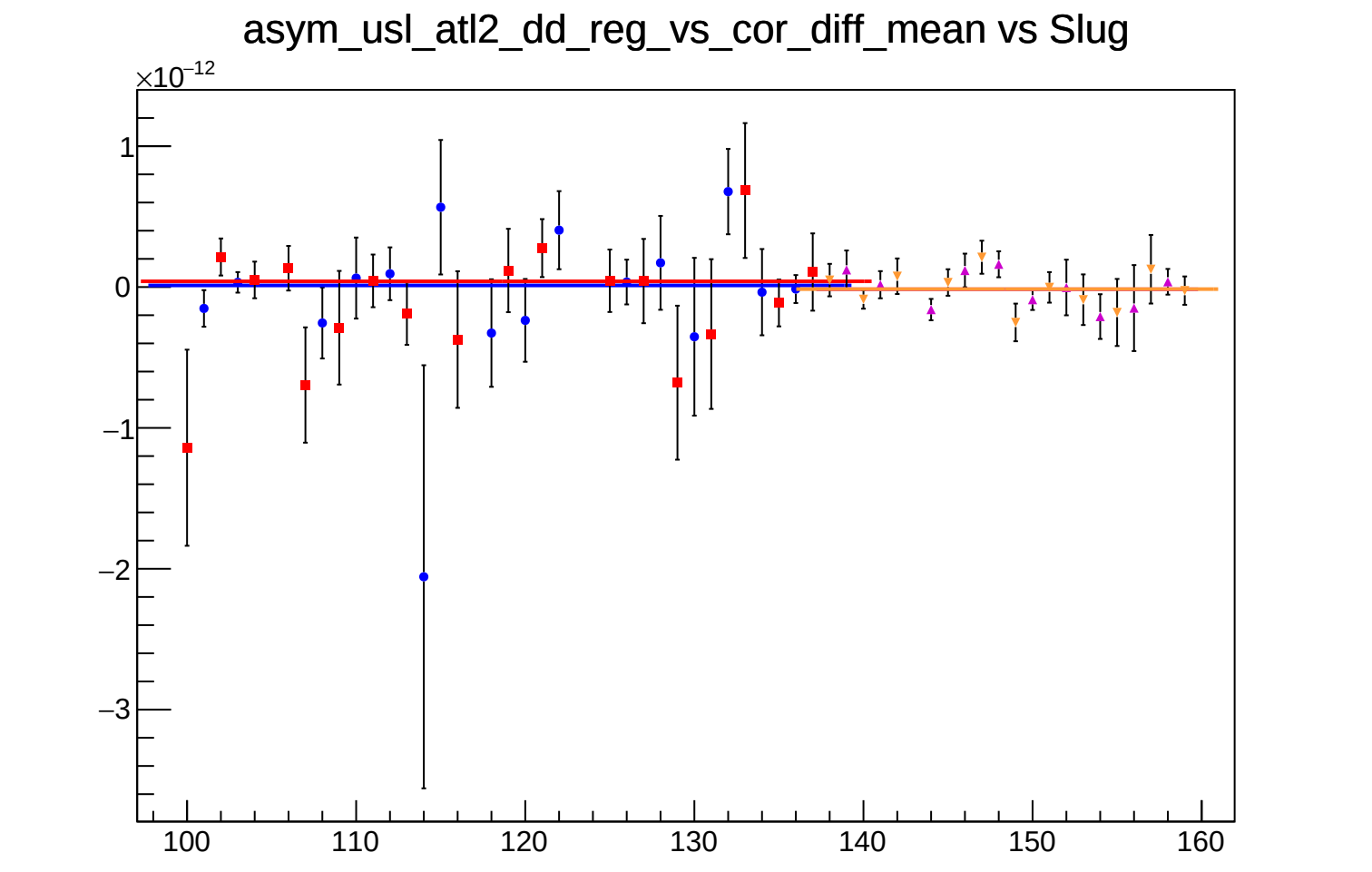
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4024.547+/-0.976 χ^2/NDF:383207.0/9

+ sign 3195.836+/-0.589 χ^2/NDF: 2193803.3/26

All: 3062.036+/-0.402 χ^2/NDF: 5357602.1/54

- sign 2945.044+/-0.551 χ^2/NDF: 3067059.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

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

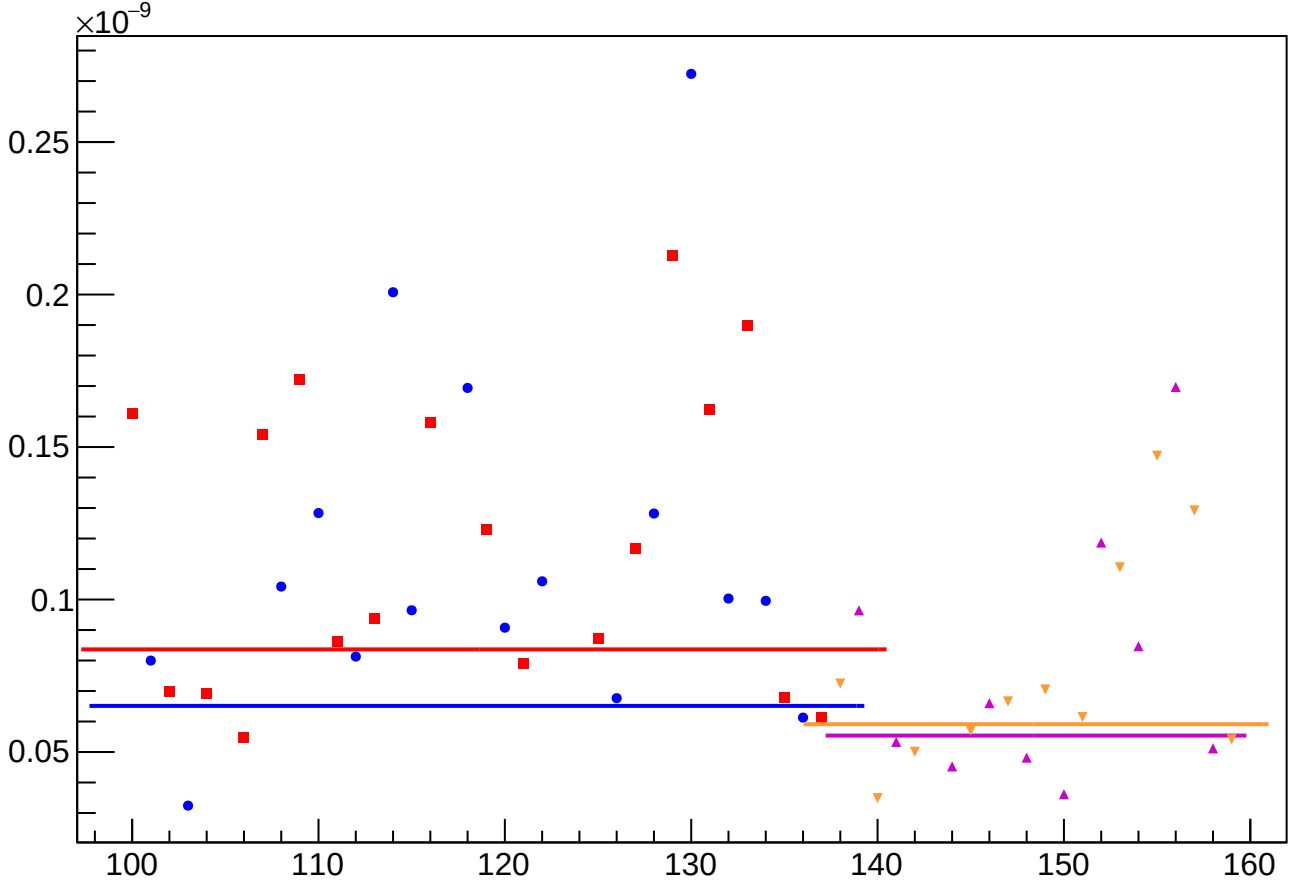
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:12.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/26

All: -0.000+/-0.000 χ^2/NDF: 56.3/54

- sign -0.000+/-0.000 χ^2/NDF: 30.5/27



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

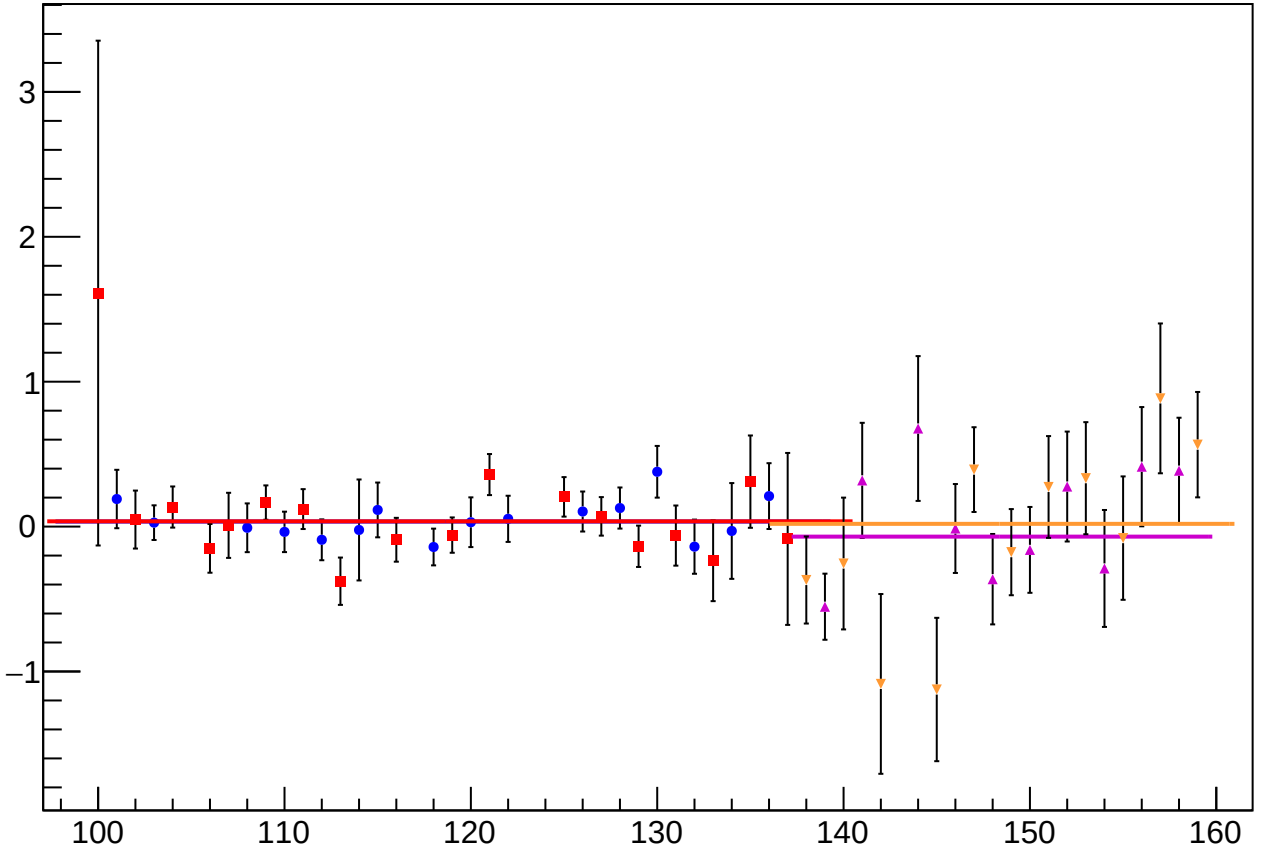
Left In: 0.000+/-0.000 χ^2/NDF:939702.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2177998.0/26

All: 0.000+/-0.000 χ^2/NDF: 4218536.0/54

- sign 0.000+/-0.000 χ^2/NDF: 2035735.2/27

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

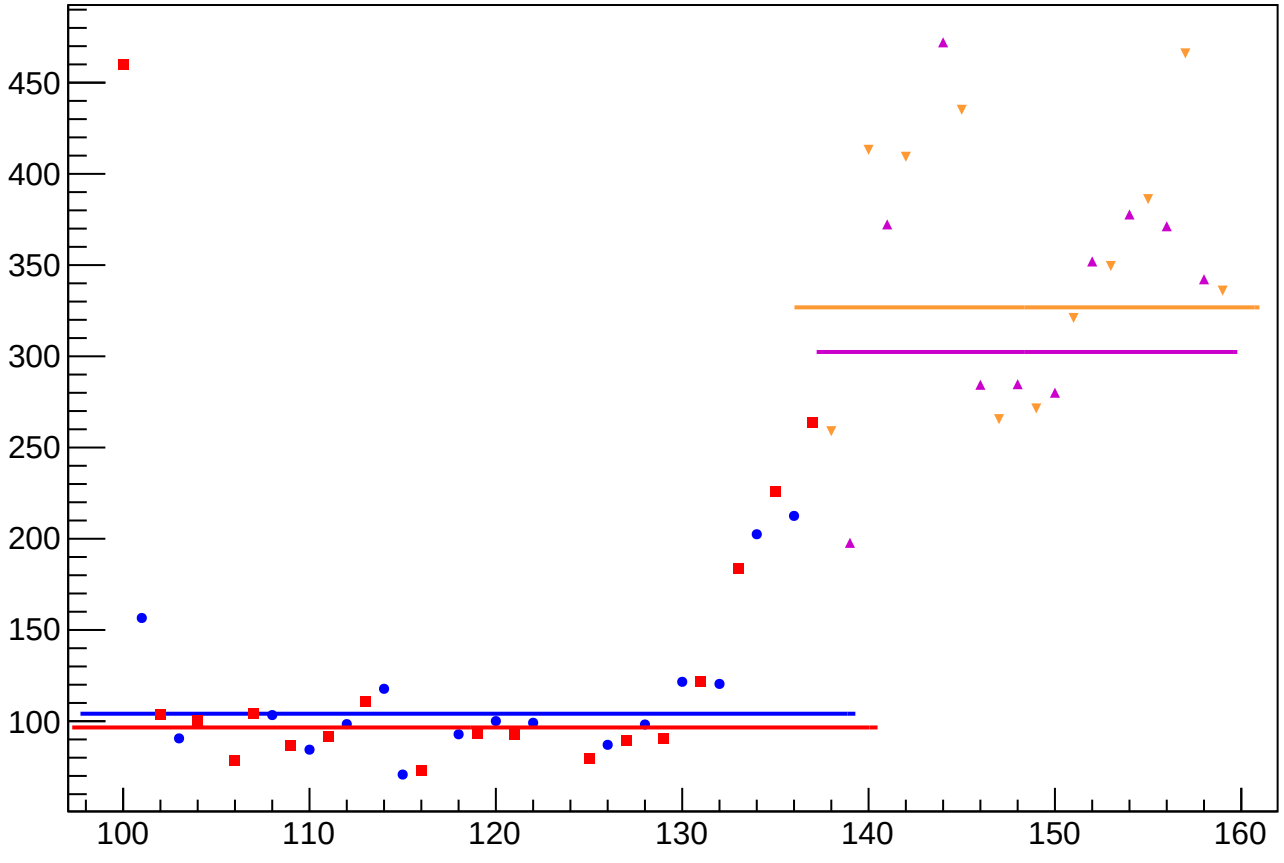
Left In: -0.069+/-0.106 χ^2/NDF:12.7/9

+ sign 0.033+/-0.039 χ^2/NDF: 28.7/26

All: 0.028+/-0.027 χ^2/NDF: 64.4/54

- sign 0.024+/-0.037 χ^2/NDF: 35.7/27

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

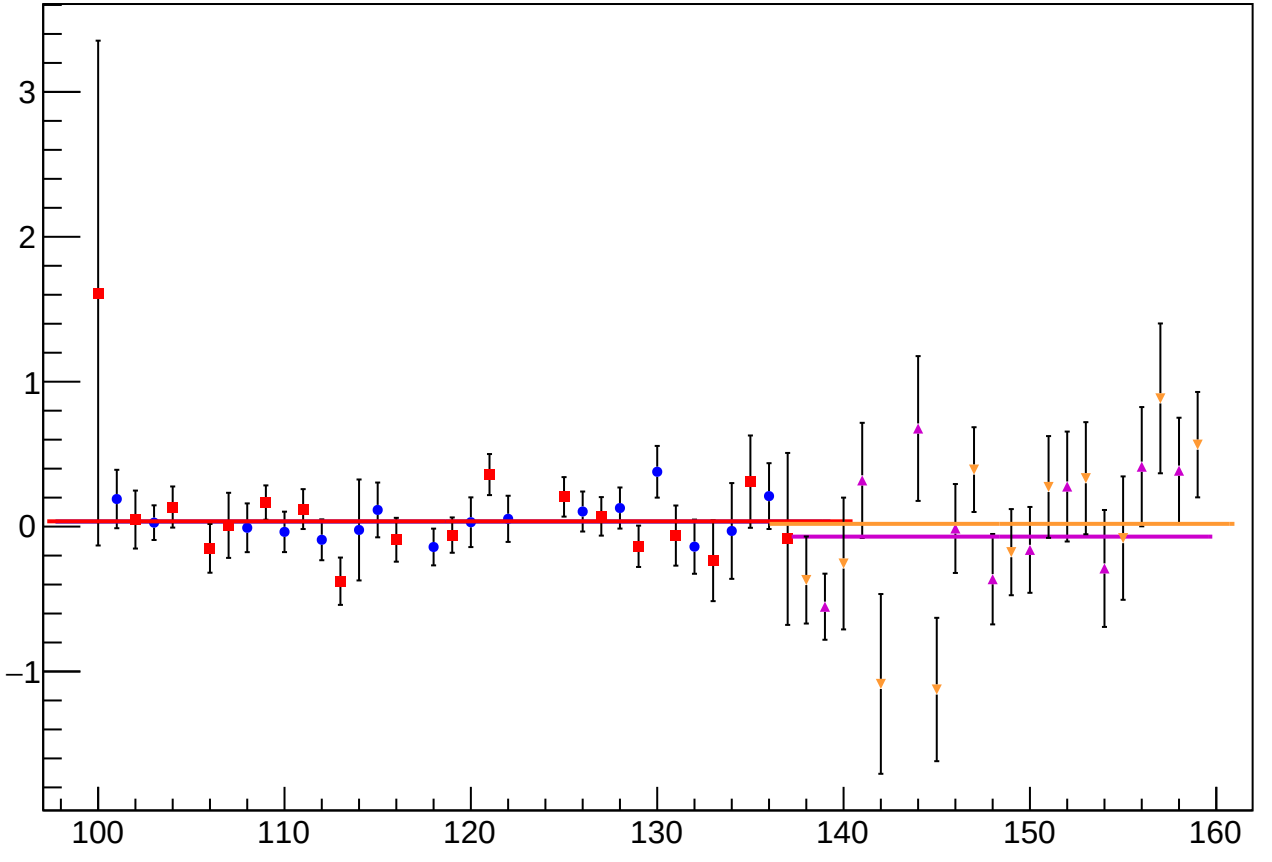
Left In: 302.374+/-0.075 χ^2/NDF:921807.1/9

+ sign 129.722+/-0.027 χ^2/NDF: 8424845.7/26

All: 125.033+/-0.019 χ^2/NDF: 16958102.5/54

- sign 120.832+/-0.026 χ^2/NDF: 8477306.9/27

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.019+/-0.114 χ^2/NDF:18.9/10

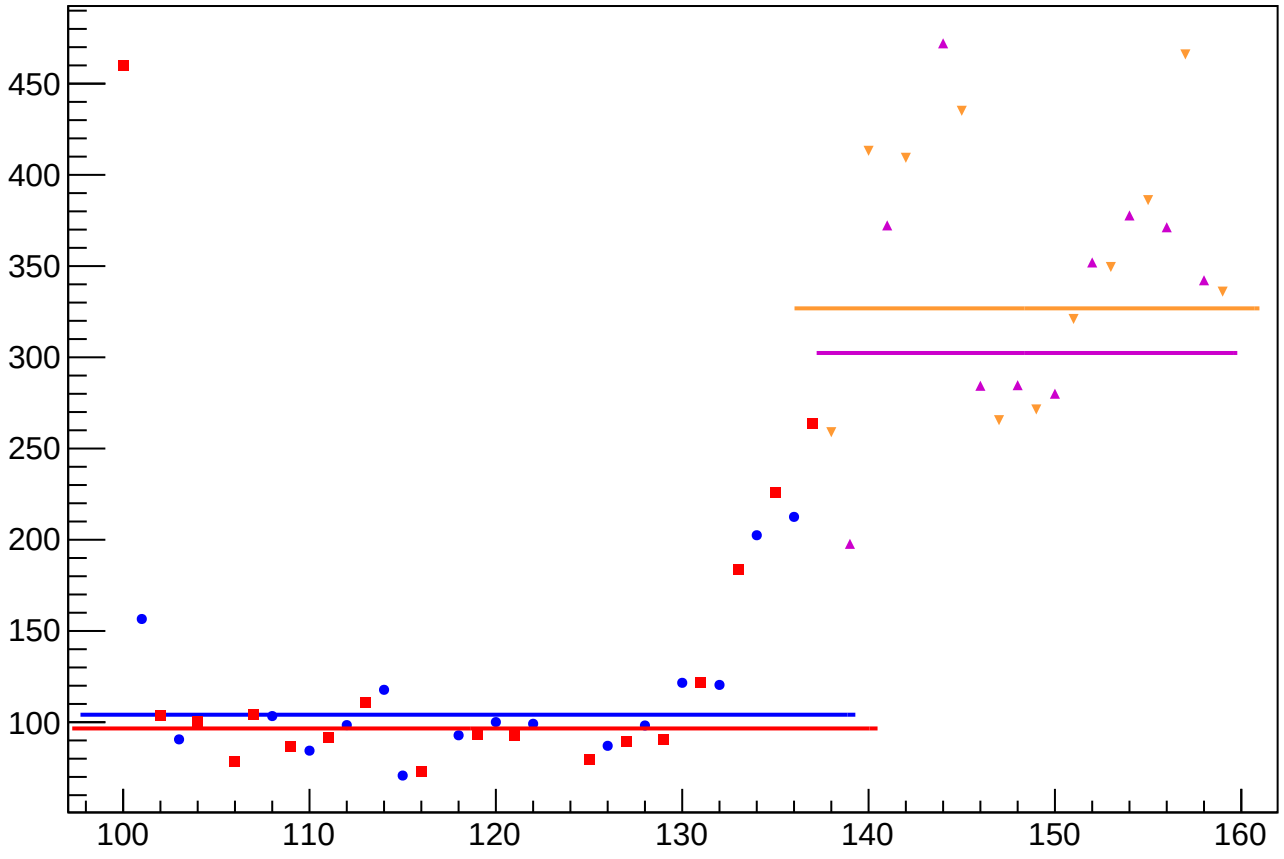
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.069+/-0.106 χ^2/NDF:12.7/9

+ sign 0.033+/-0.039 χ^2/NDF: 28.7/26

All: 0.028+/-0.027 χ^2/NDF: 64.4/54

- sign 0.024+/-0.037 χ^2/NDF: 35.7/27



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 326.830+/-0.080 χ^2/NDF:655254.0/10

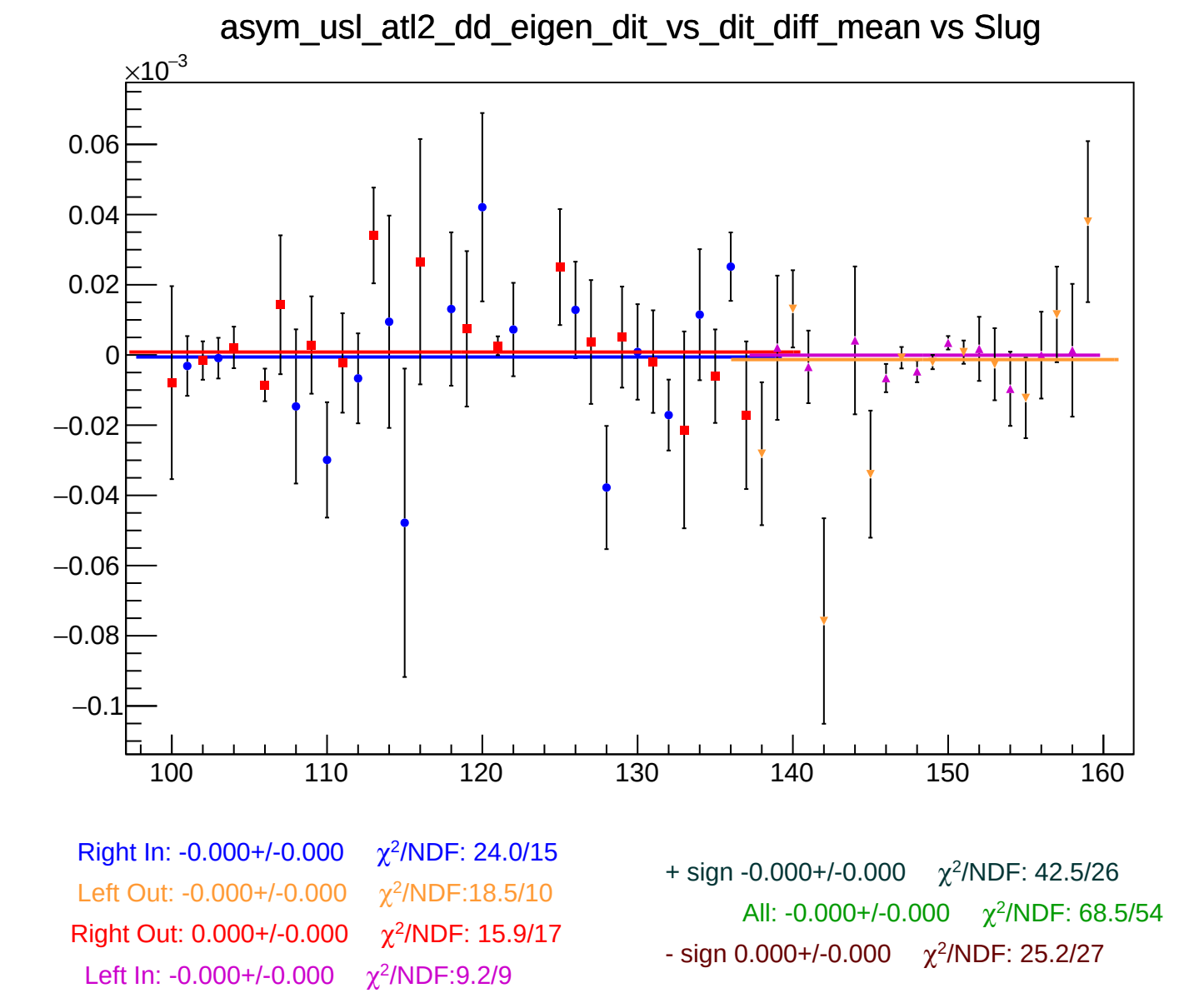
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 302.374+/-0.075 χ^2/NDF:921807.1/9

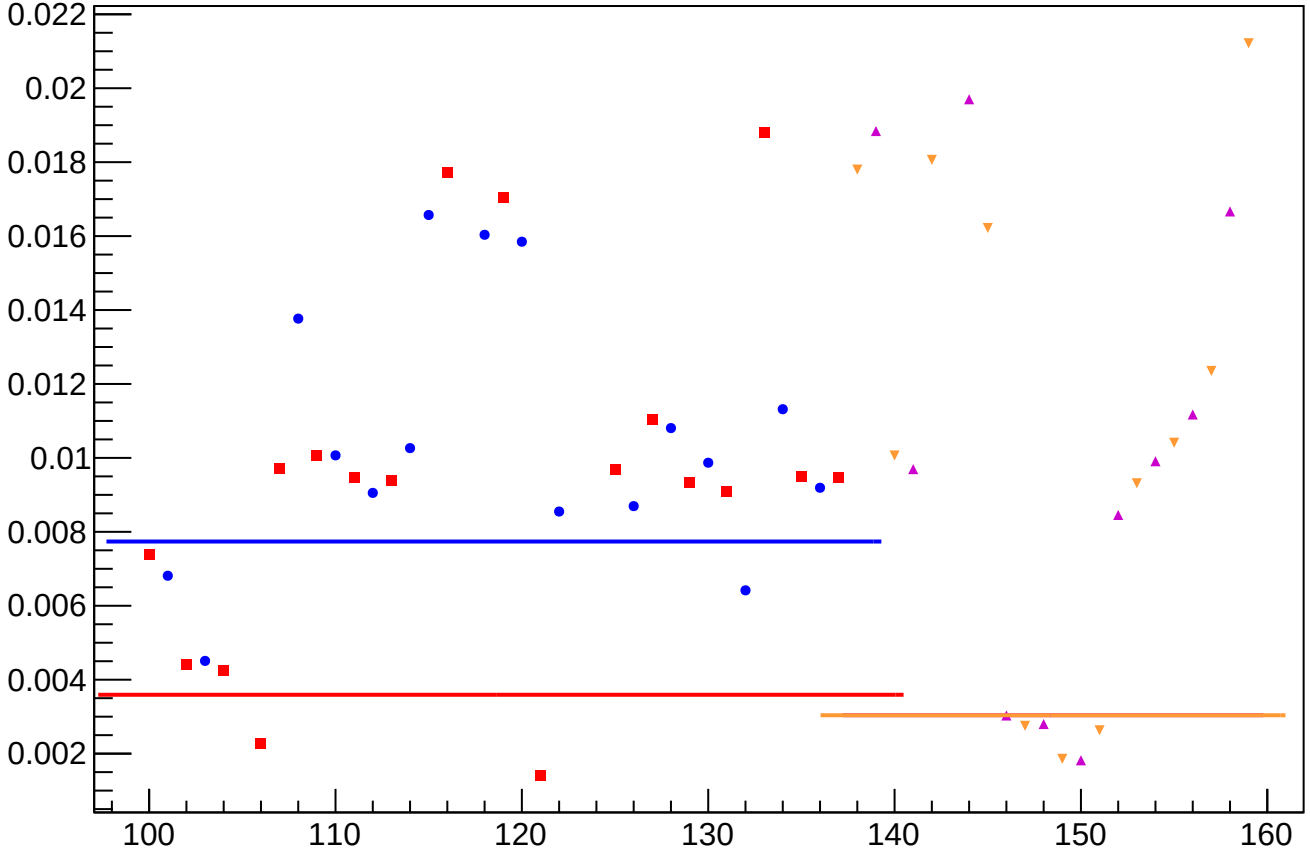
+ sign 129.722+/-0.027 χ^2/NDF: 8424845.7/26

All: 125.033+/-0.019 χ^2/NDF: 16958102.5/54

- sign 120.832+/-0.026 χ^2/NDF: 8477306.9/27


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:9.2/9
+ sign -0.000+/-0.000 χ²/NDF: 42.5/26
All: -0.000+/-0.000 χ²/NDF: 68.5/54
- sign 0.000+/-0.000 χ²/NDF: 25.2/27

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

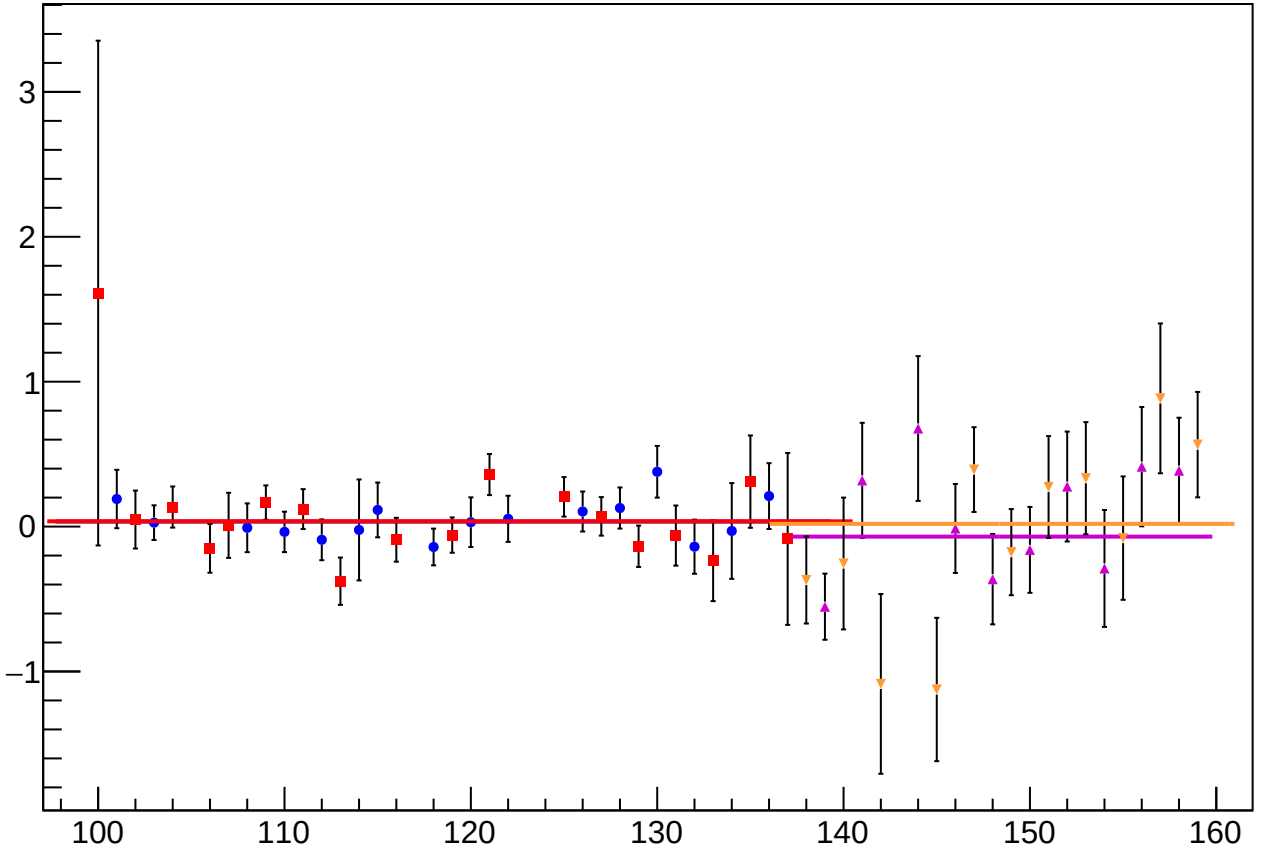
Left In: 0.003+/-0.000 χ^2/NDF:7531546.5/9

+ sign 0.004+/-0.000 χ^2/NDF: 13390297.5/26

All: 0.004+/-0.000 χ^2/NDF: 27655790.9/54

- sign 0.003+/-0.000 χ^2/NDF: 14007904.7/27

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.019+/-0.114 χ^2/NDF:18.9/10

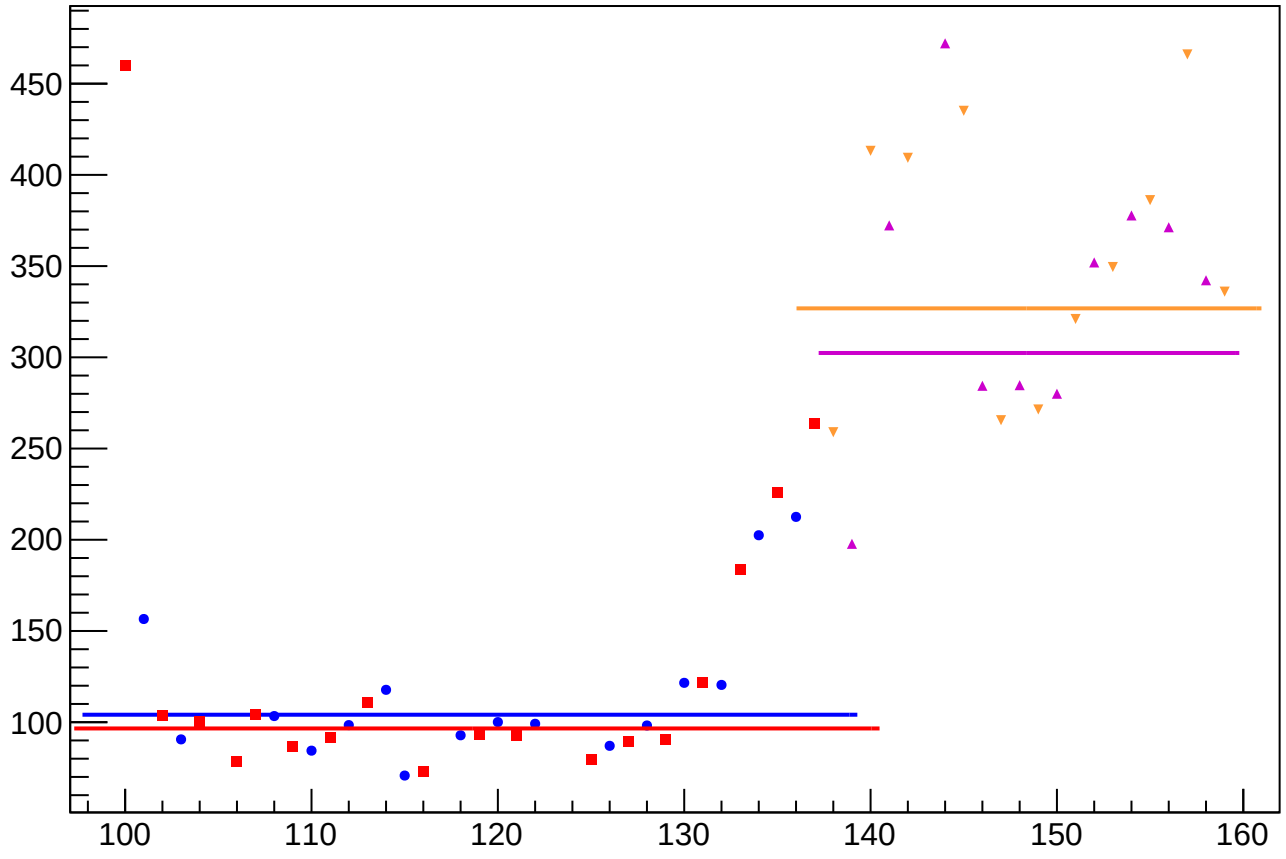
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.069+/-0.106 χ^2/NDF:12.7/9

+ sign 0.033+/-0.039 χ^2/NDF: 28.7/26

All: 0.028+/-0.027 χ^2/NDF: 64.4/54

- sign 0.024+/-0.037 χ^2/NDF: 35.7/27



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 326.833+/-0.080 χ^2/NDF:655307.7/10

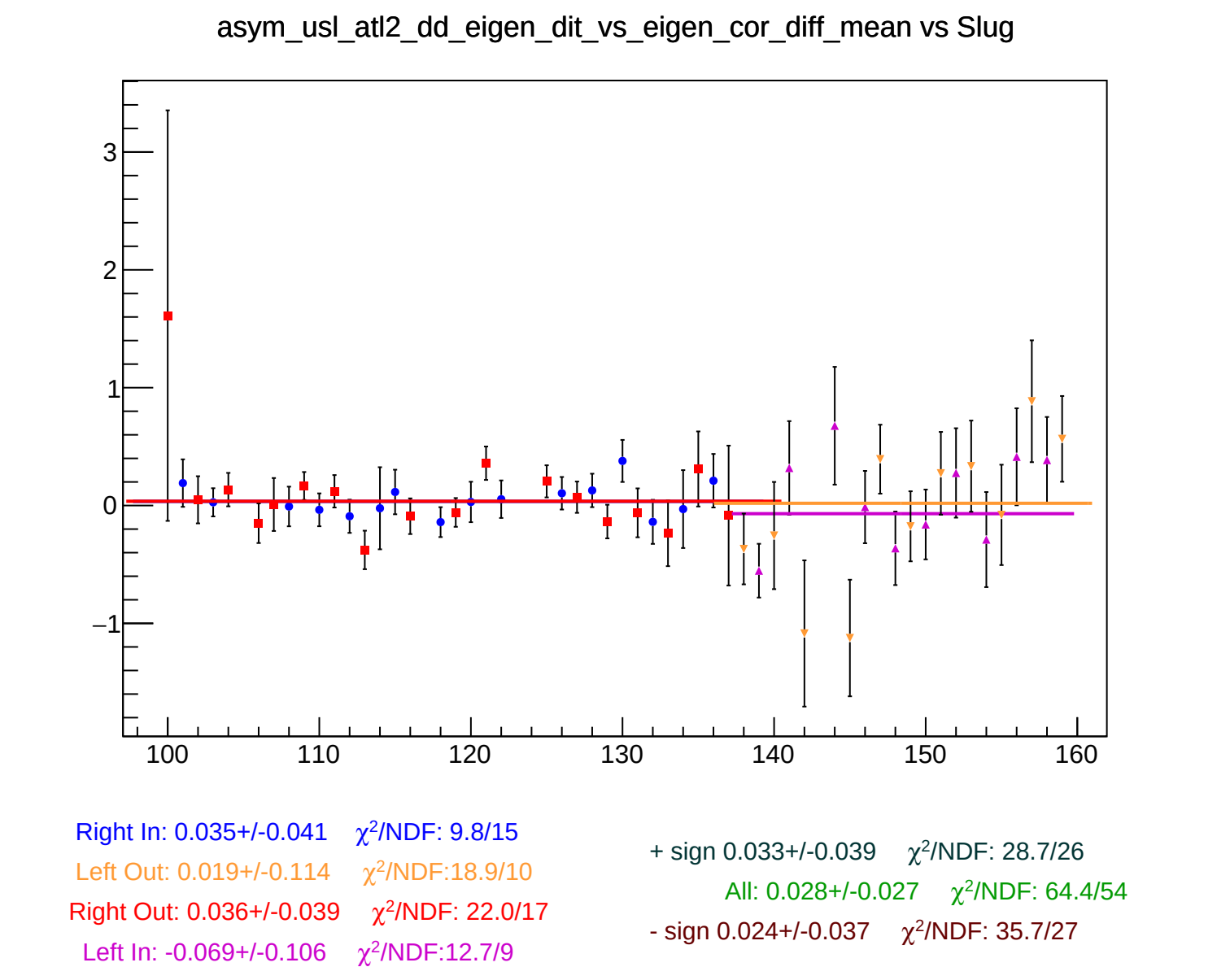
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

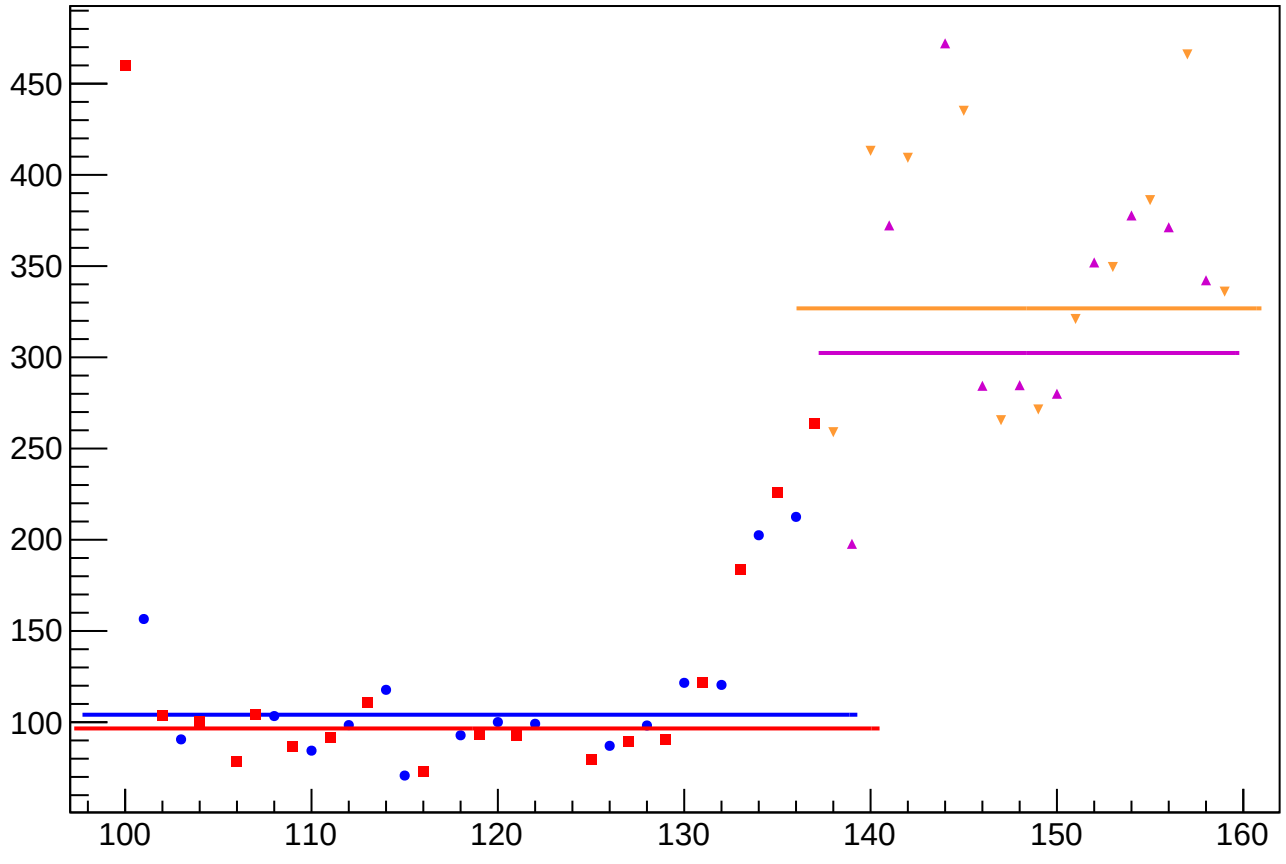
Left In: 302.379+/-0.075 χ^2/NDF:921796.7/9

+ sign 129.722+/-0.027 χ^2/NDF: 8424844.2/26

All: 125.034+/-0.019 χ^2/NDF: 16958030.7/54

- sign 120.834+/-0.026 χ^2/NDF: 8477244.3/27


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: -0.069+/-0.106 χ²/NDF:12.7/9
+ sign 0.033+/-0.039 χ²/NDF: 28.7/26
All: 0.028+/-0.027 χ²/NDF: 64.4/54
- sign 0.024+/-0.037 χ²/NDF: 35.7/27



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 326.833+/-0.080 χ^2/NDF:655307.7/10

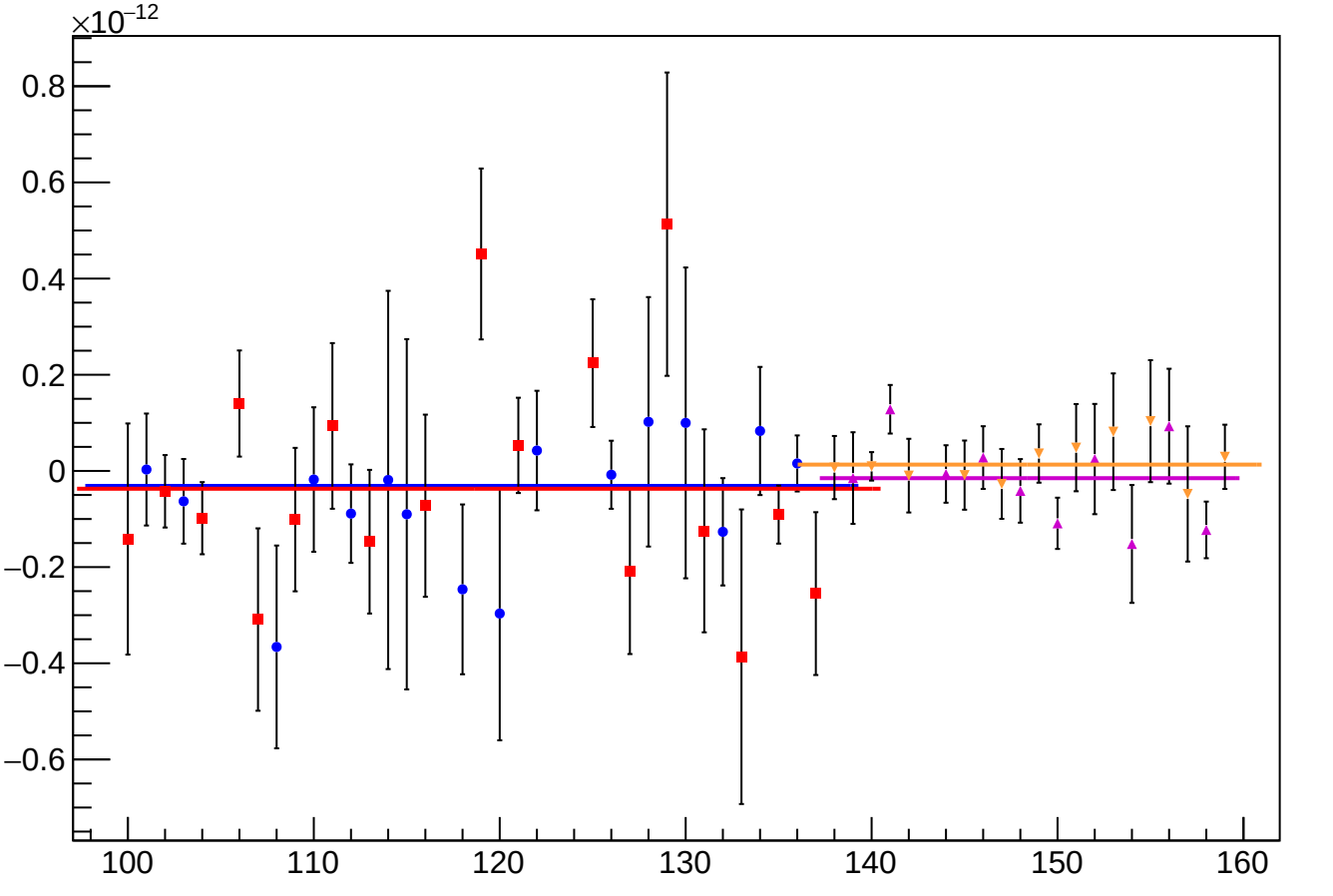
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 302.379+/-0.075 χ^2/NDF:921796.7/9

+ sign 129.722+/-0.027 χ^2/NDF: 8424844.2/26

All: 125.034+/-0.019 χ^2/NDF: 16958030.7/54

- sign 120.834+/-0.026 χ^2/NDF: 8477244.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/10

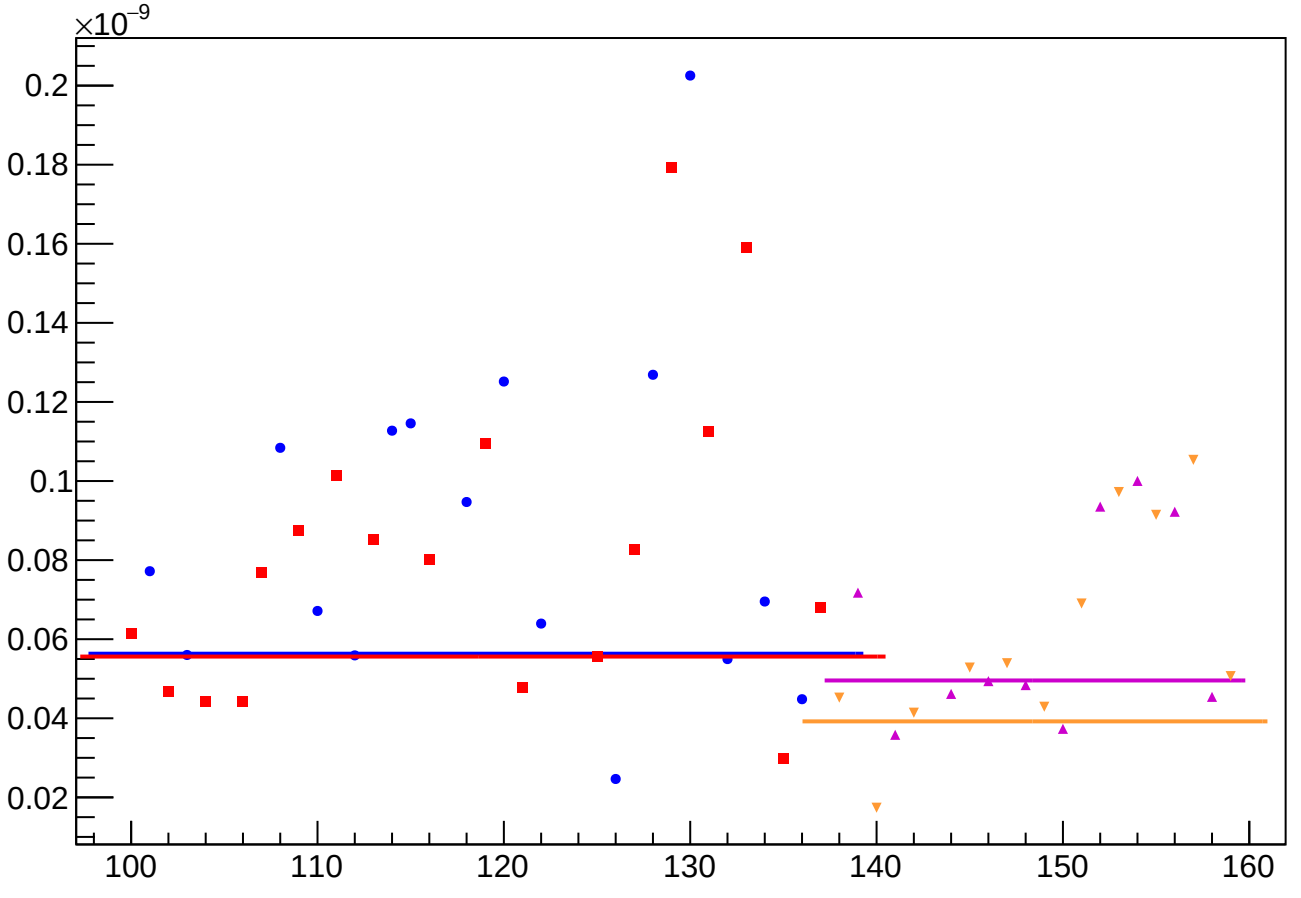
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:17.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 12.0/26

All: -0.000+/-0.000 χ^2/NDF: 57.7/54

- sign -0.000+/-0.000 χ^2/NDF: 44.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2781472.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

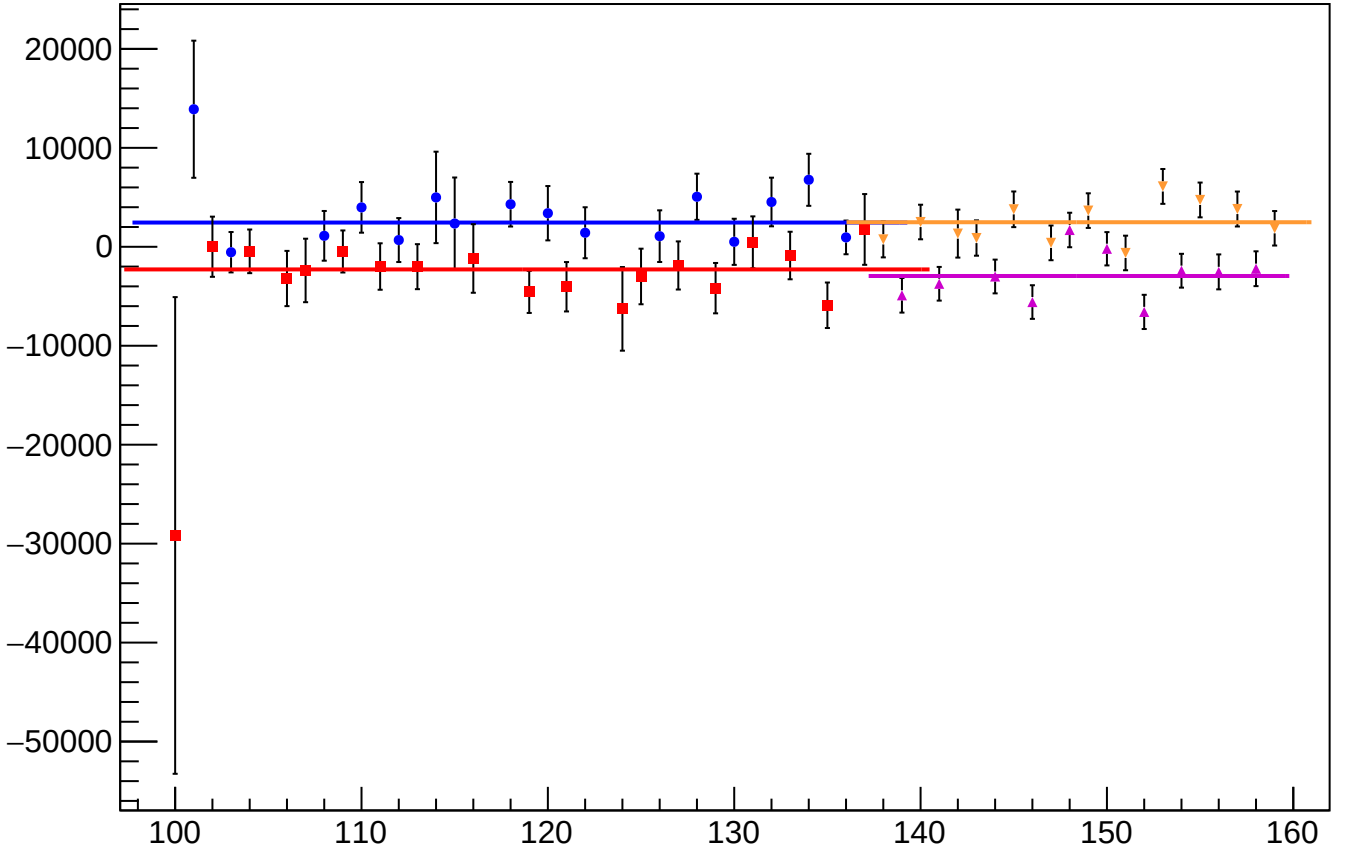
Left In: 0.000+/-0.000 χ^2/NDF:1267014.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 4836331.2/26

All: 0.000+/-0.000 χ^2/NDF: 8127046.4/54

- sign 0.000+/-0.000 χ^2/NDF: 3090549.3/27

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

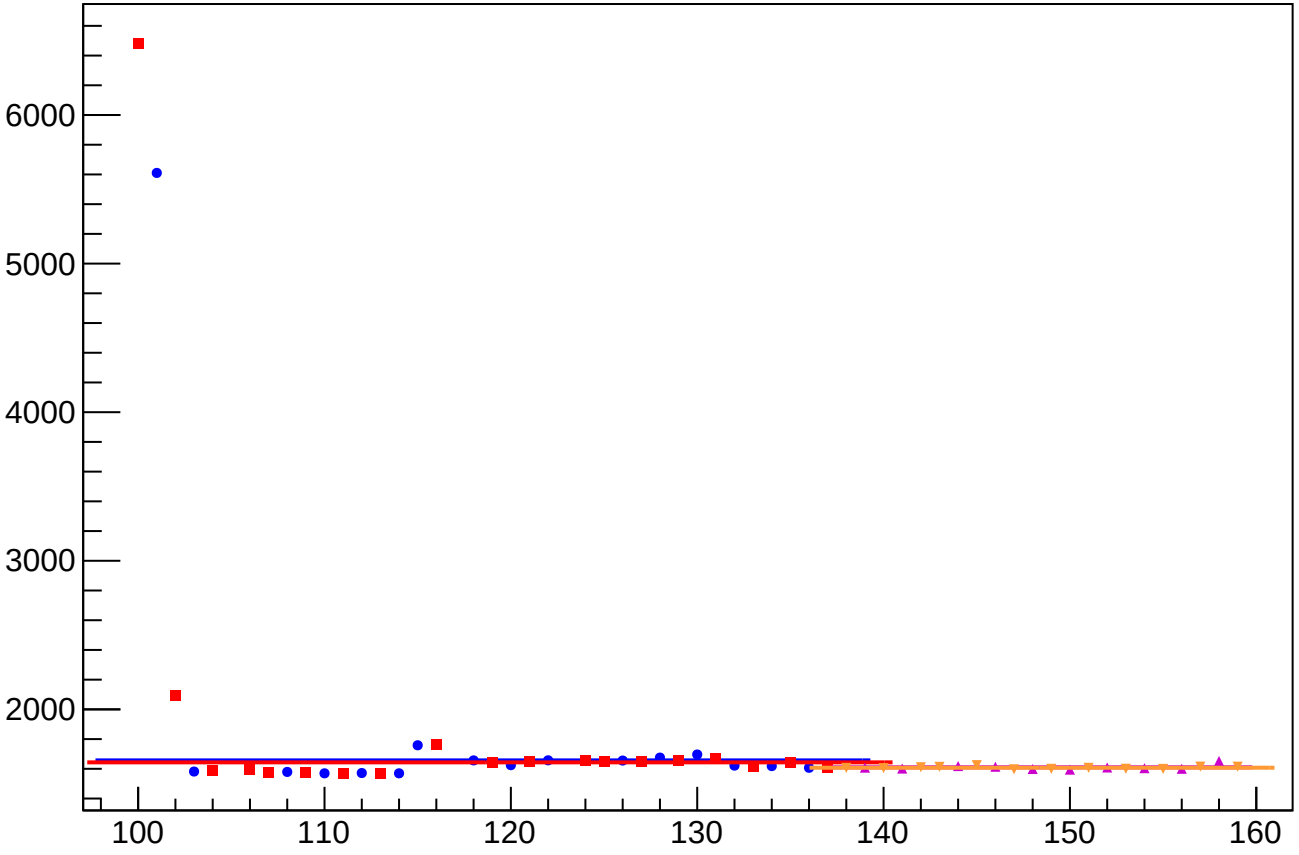
Left In: -2950.835+/-545.110 χ^2/NDF:18.4/9

+ sign 2469.472+/-401.161 χ^2/NDF: 27.9/27

All: -60.914+/-285.433 χ^2/NDF: 139.3/56

- sign -2655.449+/-406.214 χ^2/NDF: 30.9/28

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

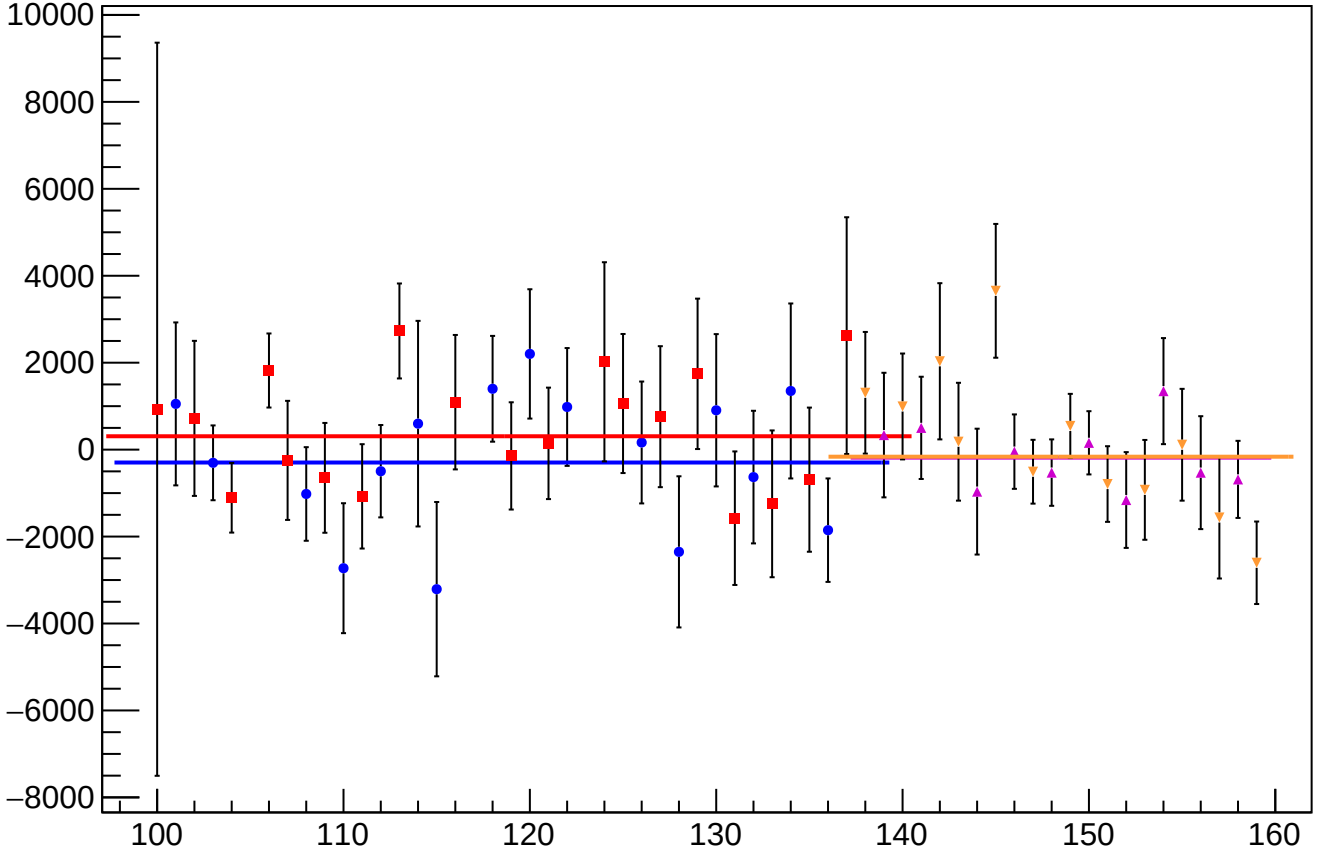
Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

+ sign 1627.334+/-0.284 χ^2/NDF: 673982.1/27

All: 1626.140+/-0.202 χ^2/NDF: 815968.4/56

- sign 1624.915+/-0.287 χ^2/NDF: 141950.5/28

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

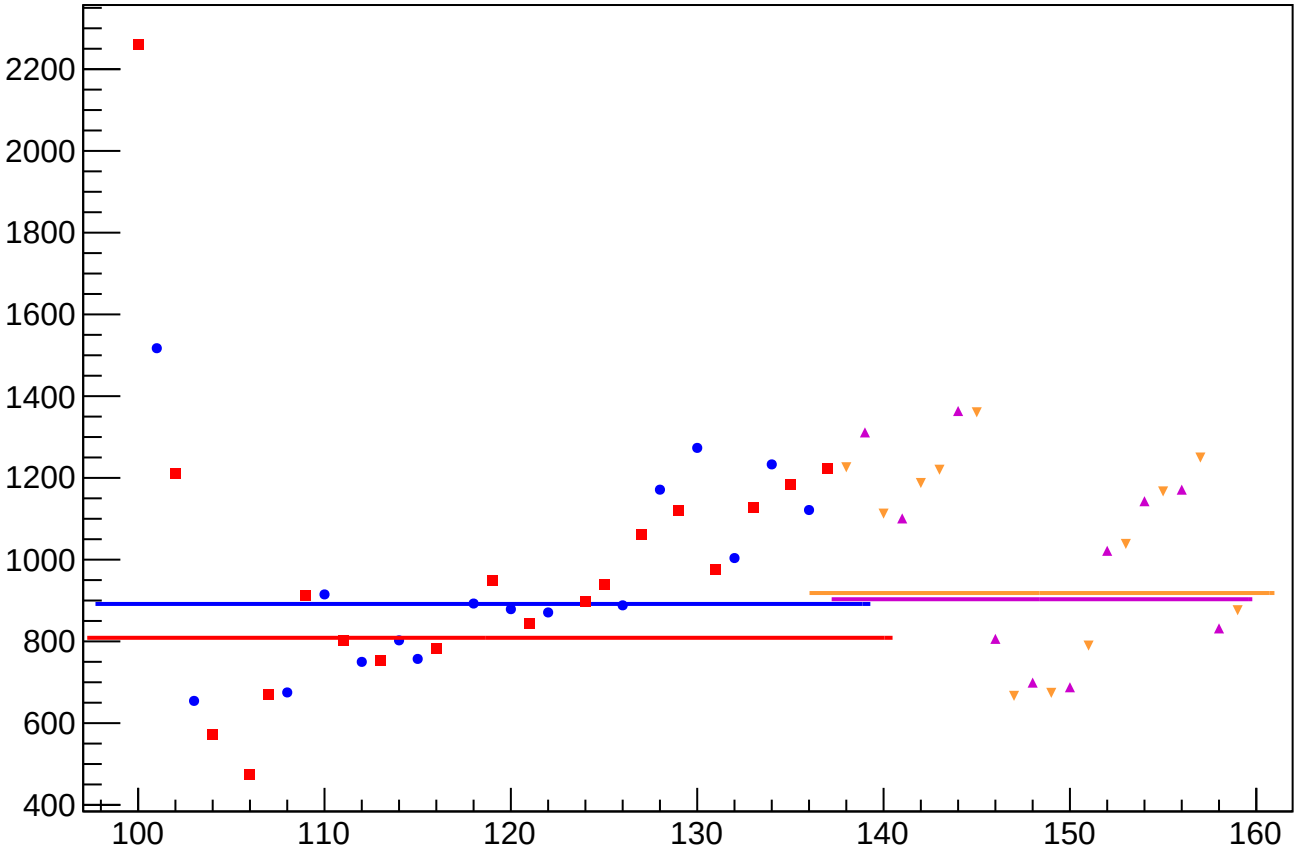
Left In: -183.872+/-315.994 χ^2/NDF:4.0/9

+ sign -222.552+/-229.829 χ^2/NDF: 35.5/27

All: -74.416+/-159.810 χ^2/NDF: 60.2/56

- sign 64.258+/-222.367 χ^2/NDF: 23.9/28

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

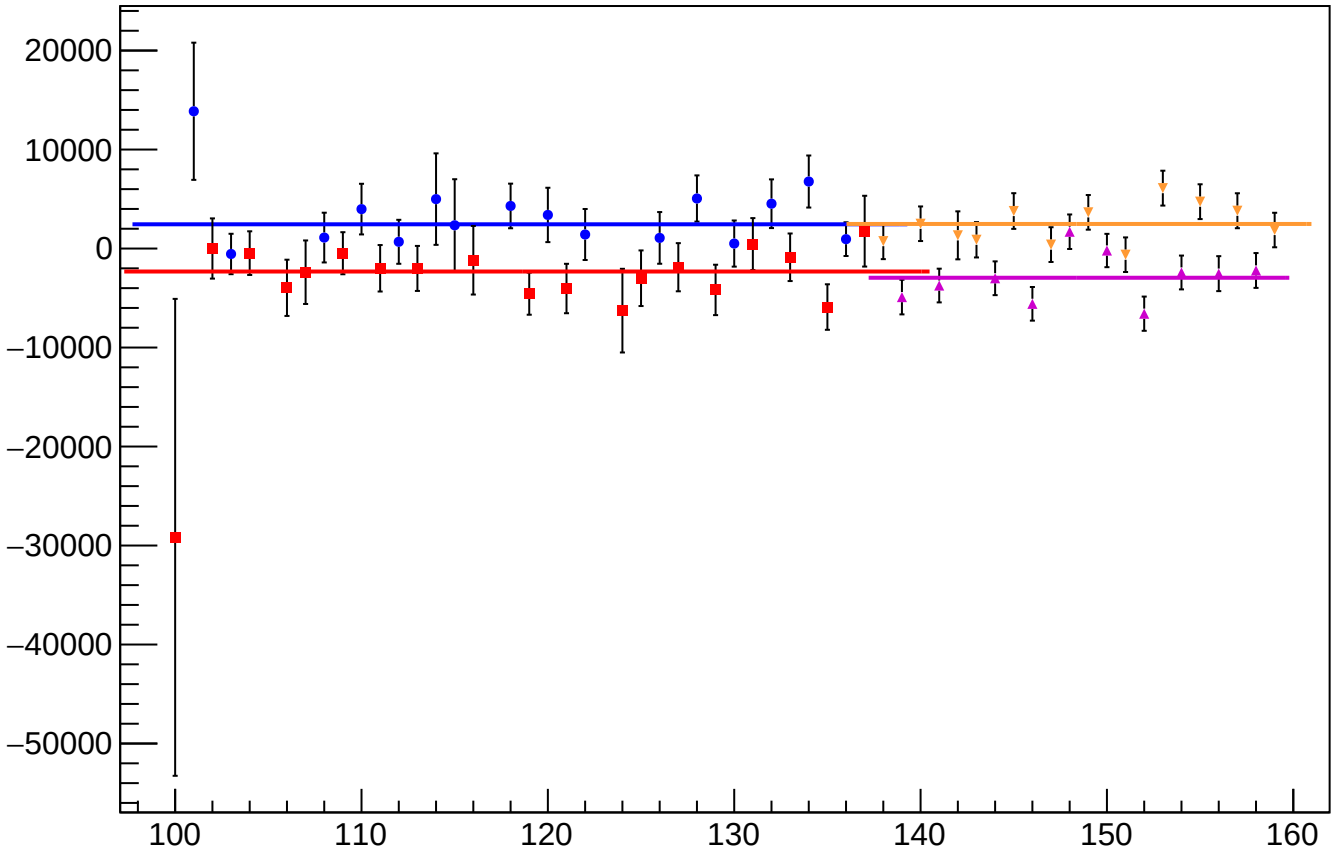
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 903.138+/-0.223 χ^2/NDF:963266.8/9

+ sign 906.384+/-0.163 χ^2/NDF: 1966798.1/27

All: 880.113+/-0.113 χ^2/NDF: 4154465.7/56

- sign 855.521+/-0.157 χ^2/NDF: 2137073.9/28



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

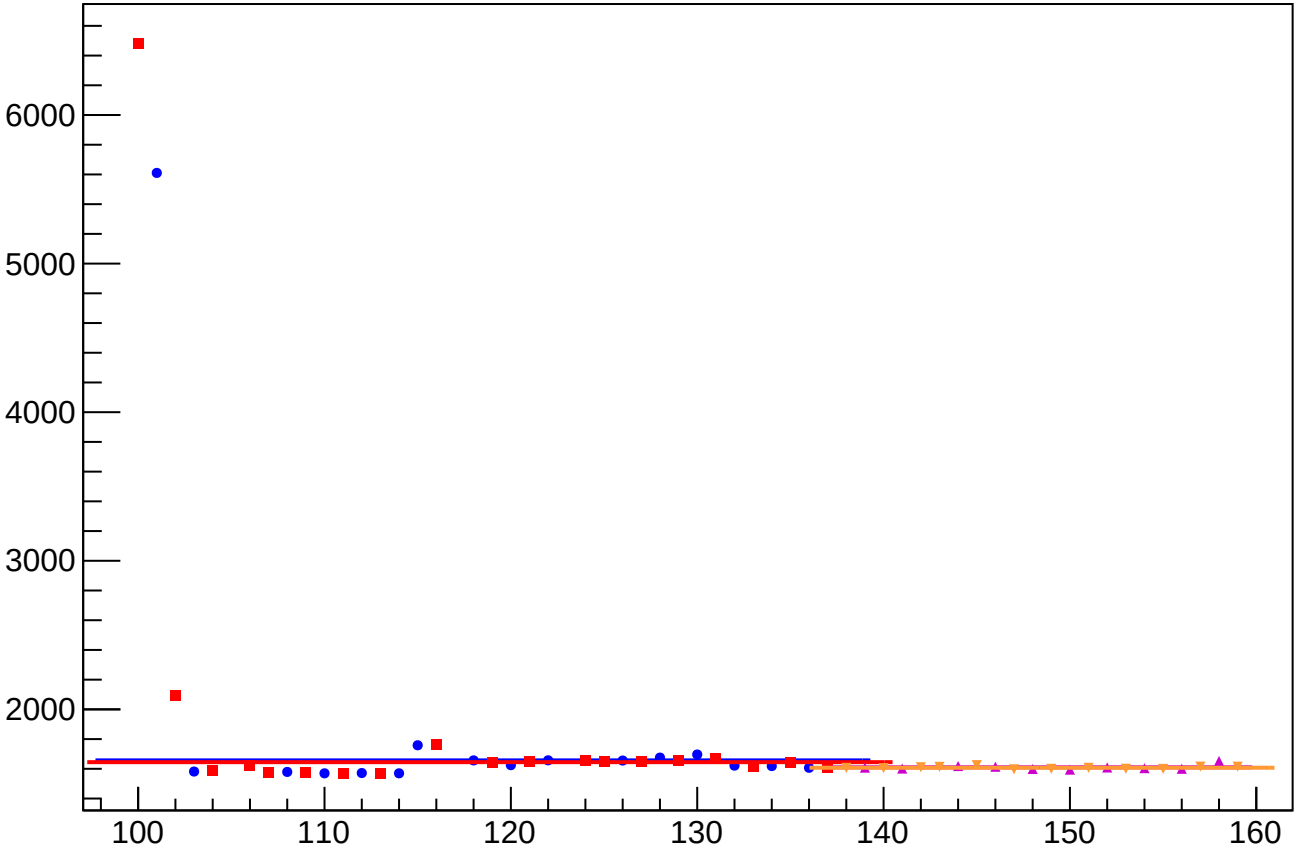
Left In: -2950.887+/-545.110 χ^2/NDF:18.4/9

+ sign 2469.228+/-401.161 χ^2/NDF: 27.9/27

All: -67.707+/-285.485 χ^2/NDF: 139.9/56

- sign -2670.853+/-406.362 χ^2/NDF: 31.0/28

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

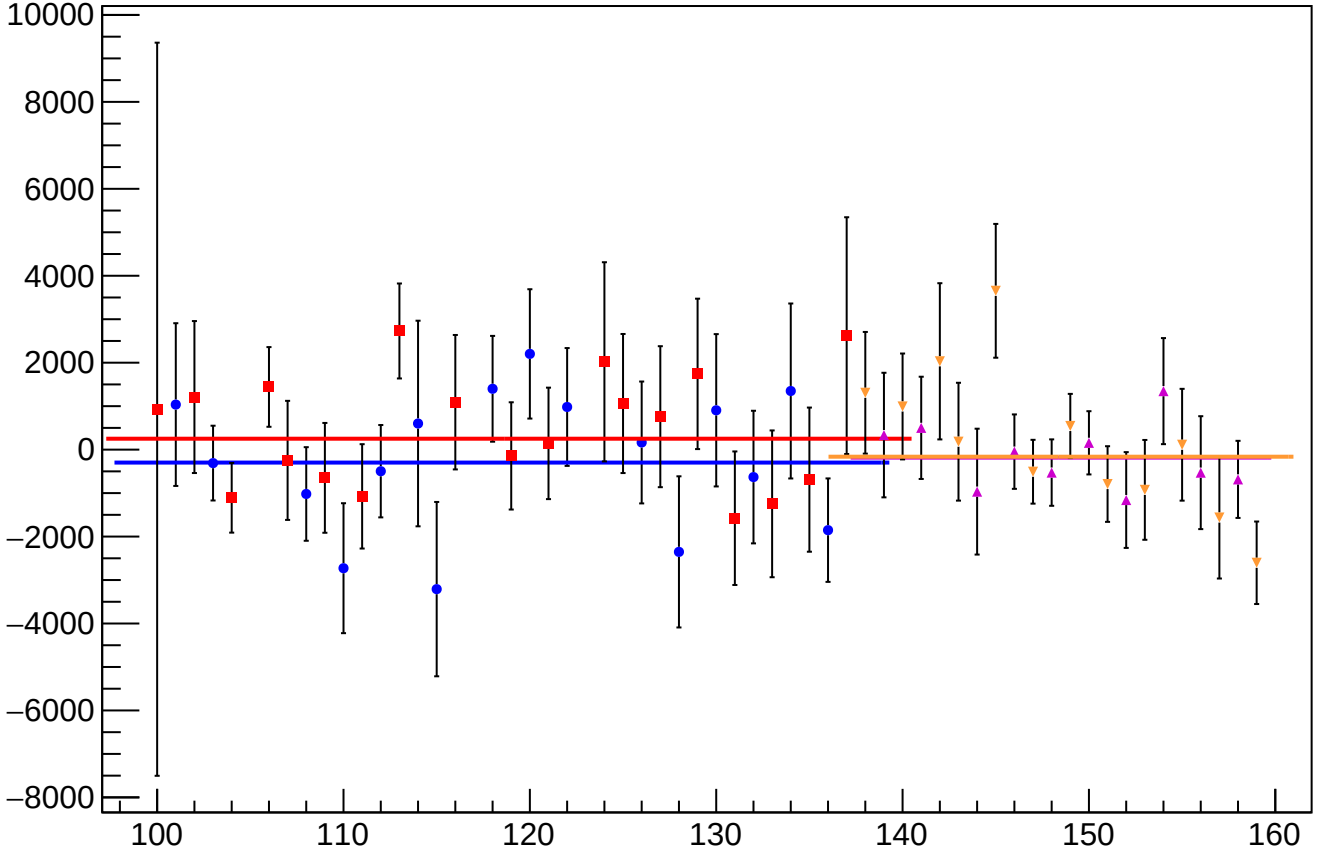
Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

+ sign 1627.334+/-0.284 χ^2/NDF: 673981.6/27

All: 1626.419+/-0.202 χ^2/NDF: 815700.1/56

- sign 1625.480+/-0.287 χ^2/NDF: 141697.5/28

asym_usr_atr1_avg_cor_correction_mean vs Slug



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

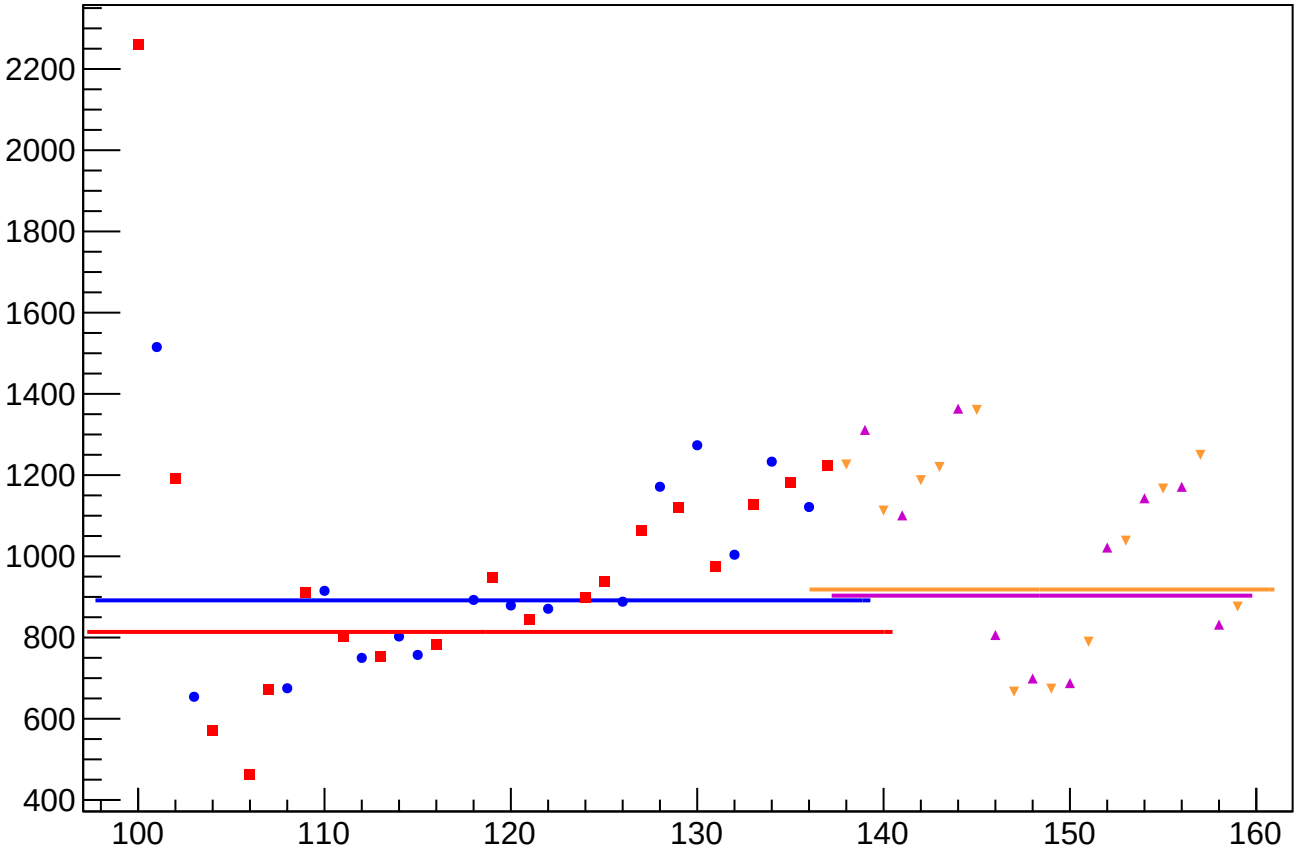
Left In: -183.901+/-315.995 χ^2/NDF:4.0/9

+ sign -223.211+/-229.814 χ^2/NDF: 35.5/27

All: -91.026+/-160.171 χ^2/NDF: 58.3/56

- sign 33.834+/-223.355 χ^2/NDF: 22.2/28

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

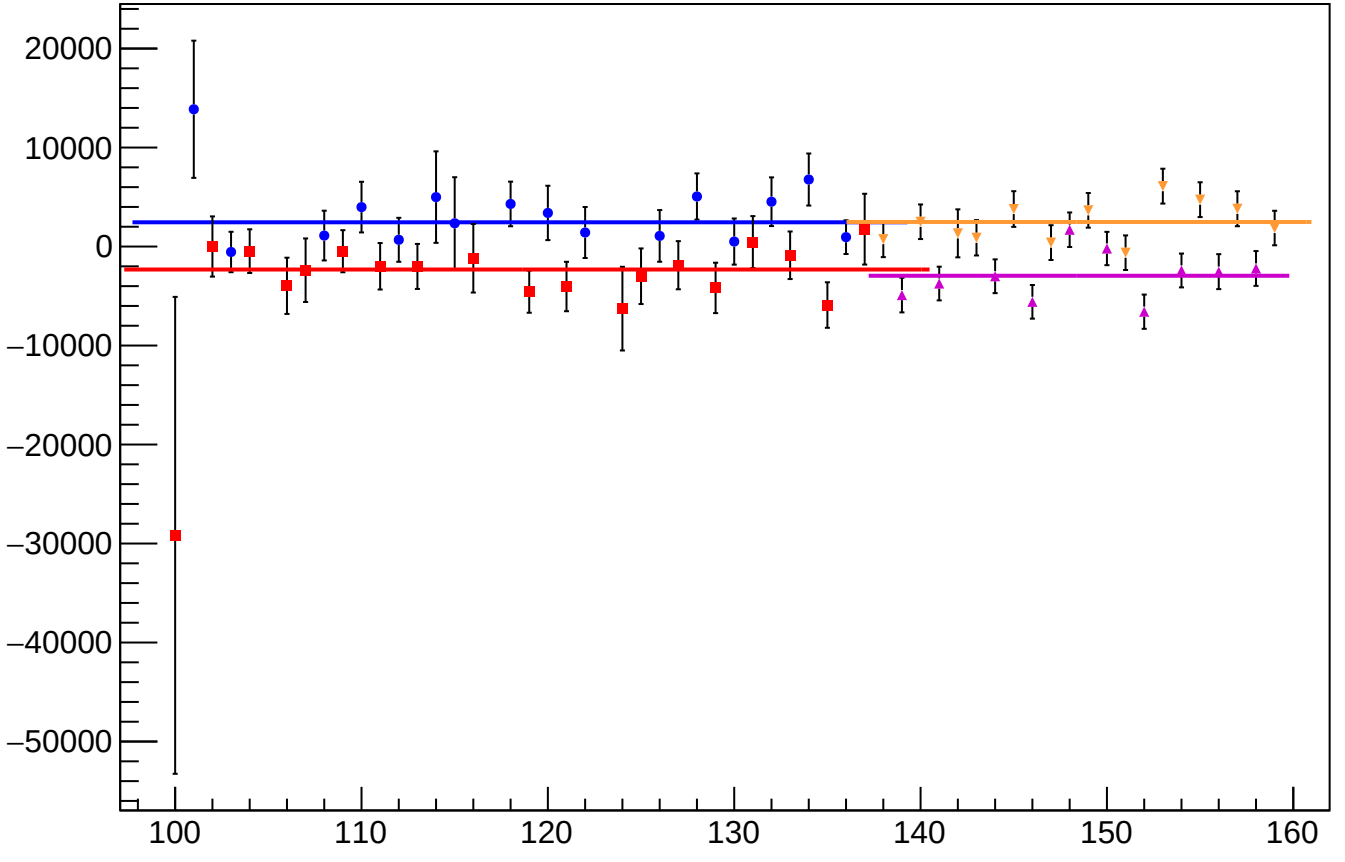
Left In: 903.142+/-0.223 χ^2/NDF:963227.6/9

+ sign 906.332+/-0.163 χ^2/NDF: 1966680.4/27

All: 881.703+/-0.113 χ^2/NDF: 4107552.9/56

- sign 858.440+/-0.158 χ^2/NDF: 2096206.7/28

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

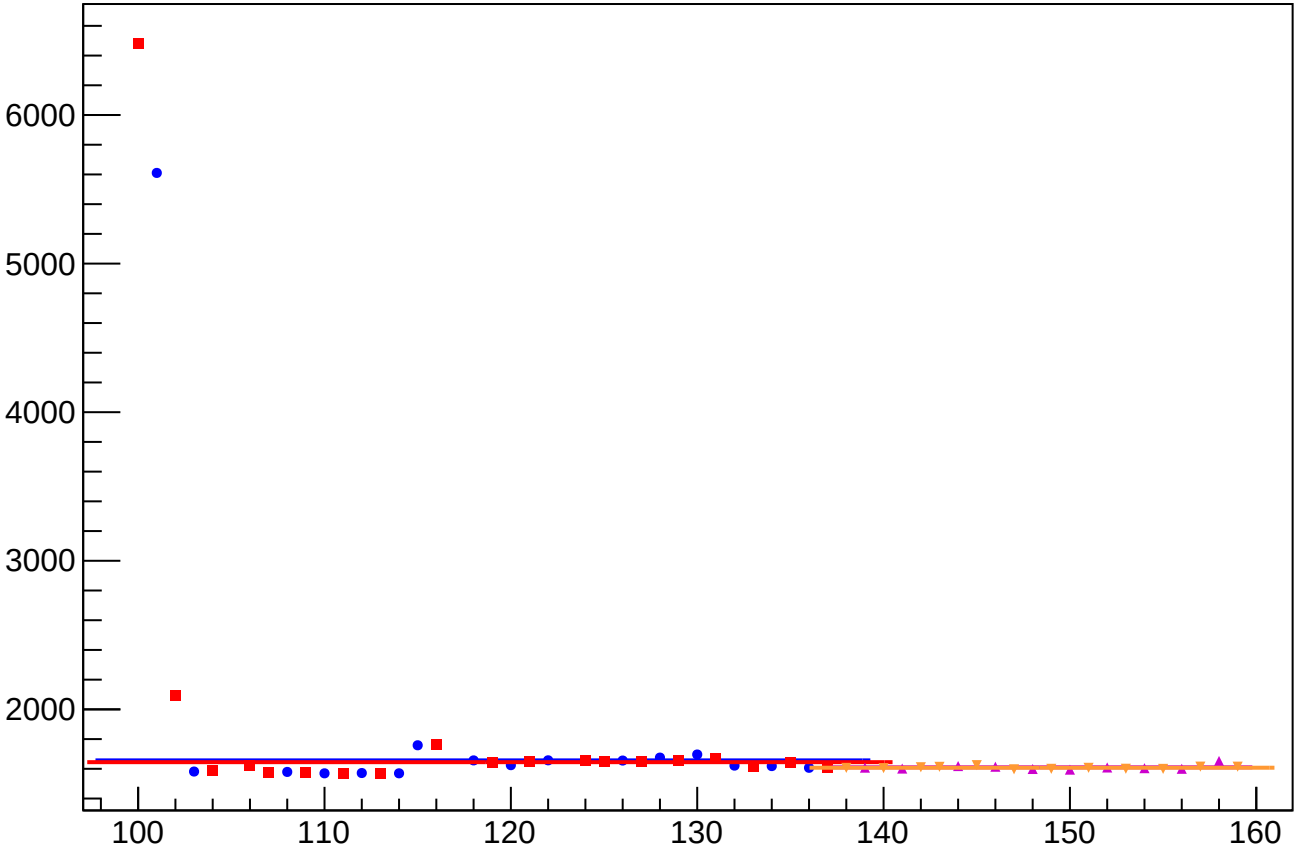
Left In: -2950.887+/-545.110 χ^2/NDF:18.4/9

+ sign 2469.228+/-401.161 χ^2/NDF: 27.9/27

All: -67.707+/-285.485 χ^2/NDF: 139.9/56

- sign -2670.853+/-406.362 χ^2/NDF: 31.0/28

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

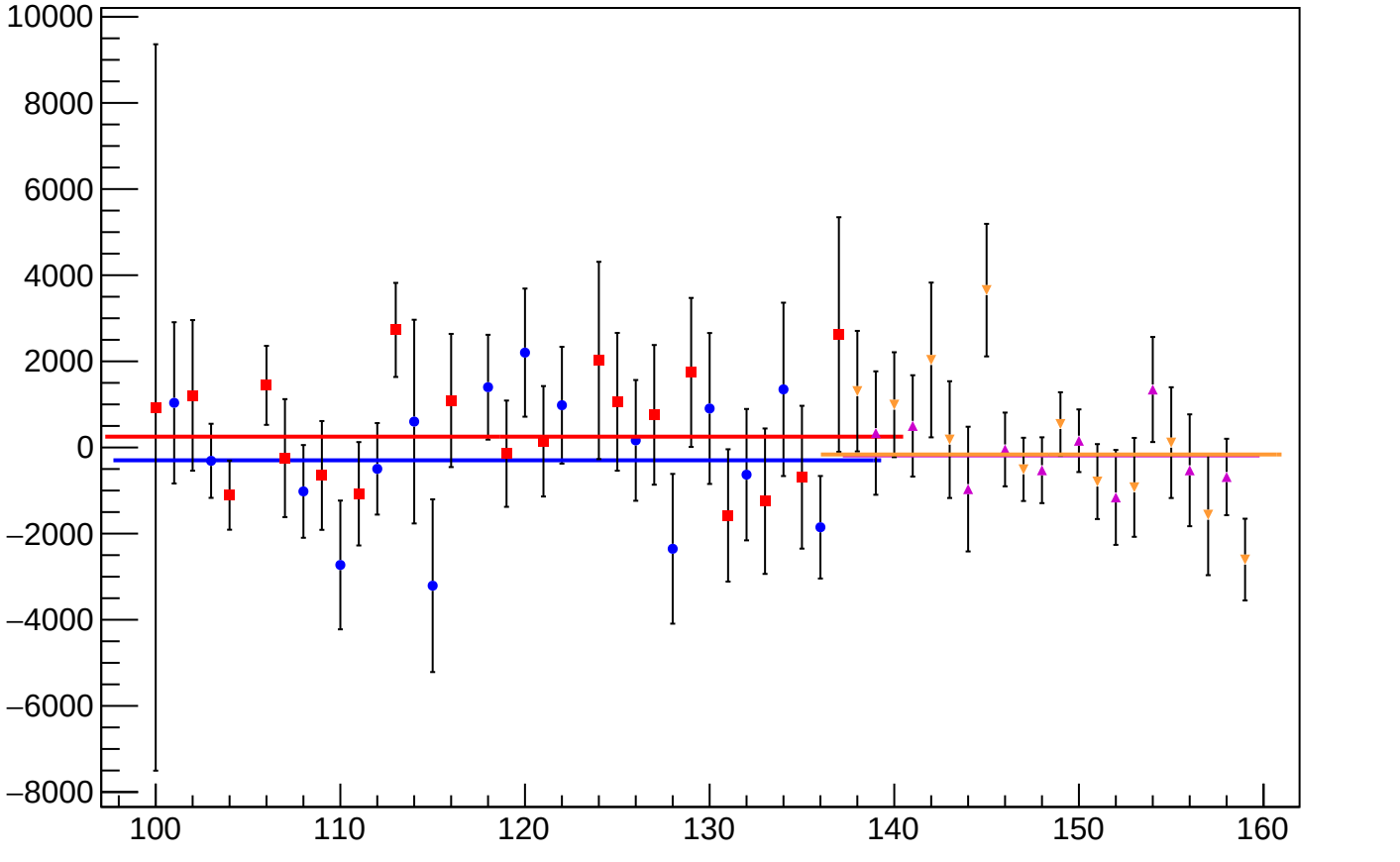
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.089+/-0.385 χ^2/NDF:1625.5/9

+ sign 1627.334+/-0.284 χ^2/NDF: 673981.6/27

All: 1626.419+/-0.202 χ^2/NDF: 815700.1/56

- sign 1625.480+/-0.287 χ^2/NDF: 141697.5/28



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -162.706+/-309.289 χ^2/NDF:19.5/11

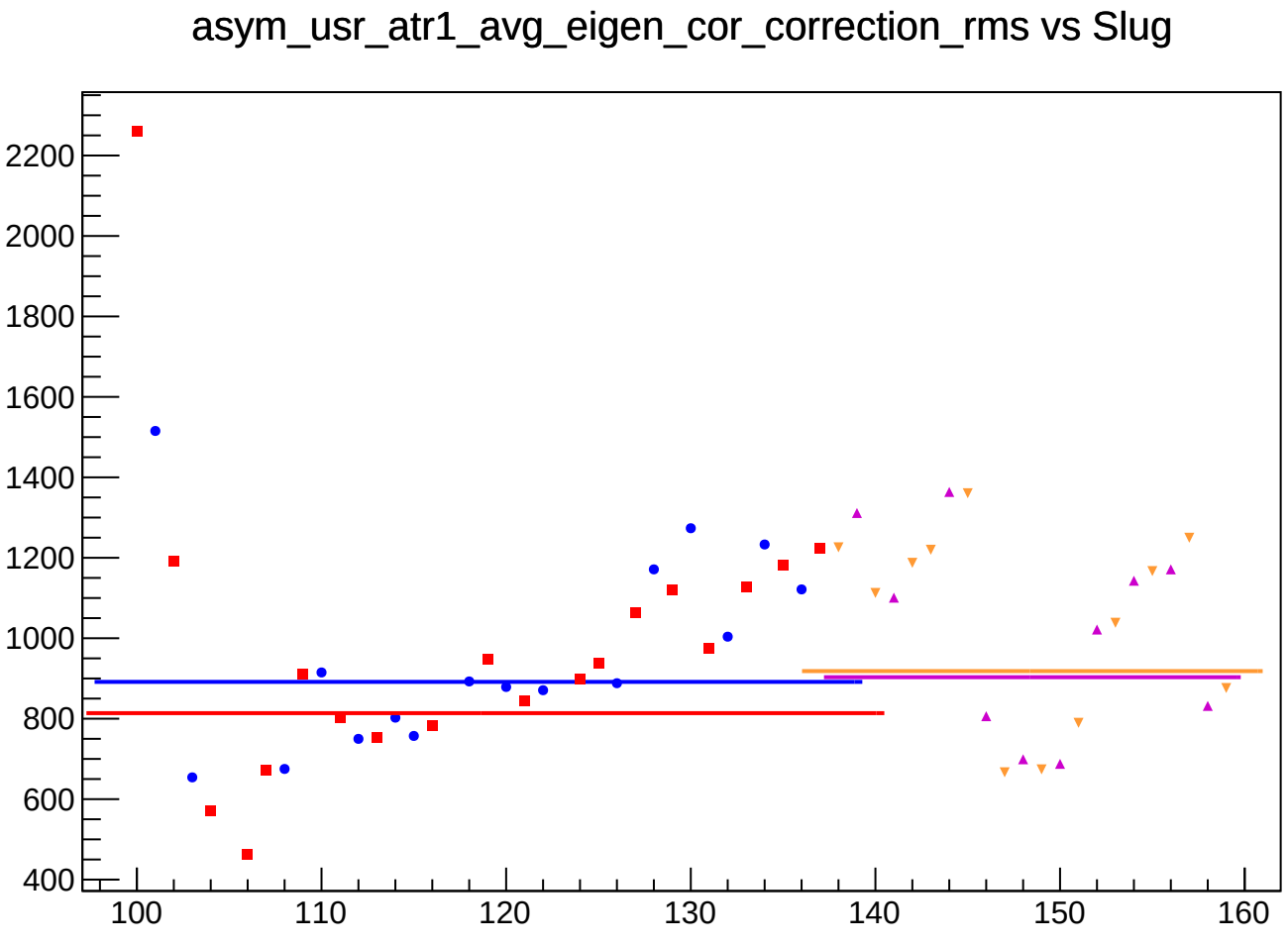
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -183.901+/-315.995 χ^2/NDF:4.0/9

+ sign -223.211+/-229.814 χ^2/NDF: 35.5/27

All: -91.026+/-160.171 χ^2/NDF: 58.3/56

- sign 33.834+/-223.355 χ^2/NDF: 22.2/28



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 918.337+/-0.219 χ^2/NDF:1166295.2/11

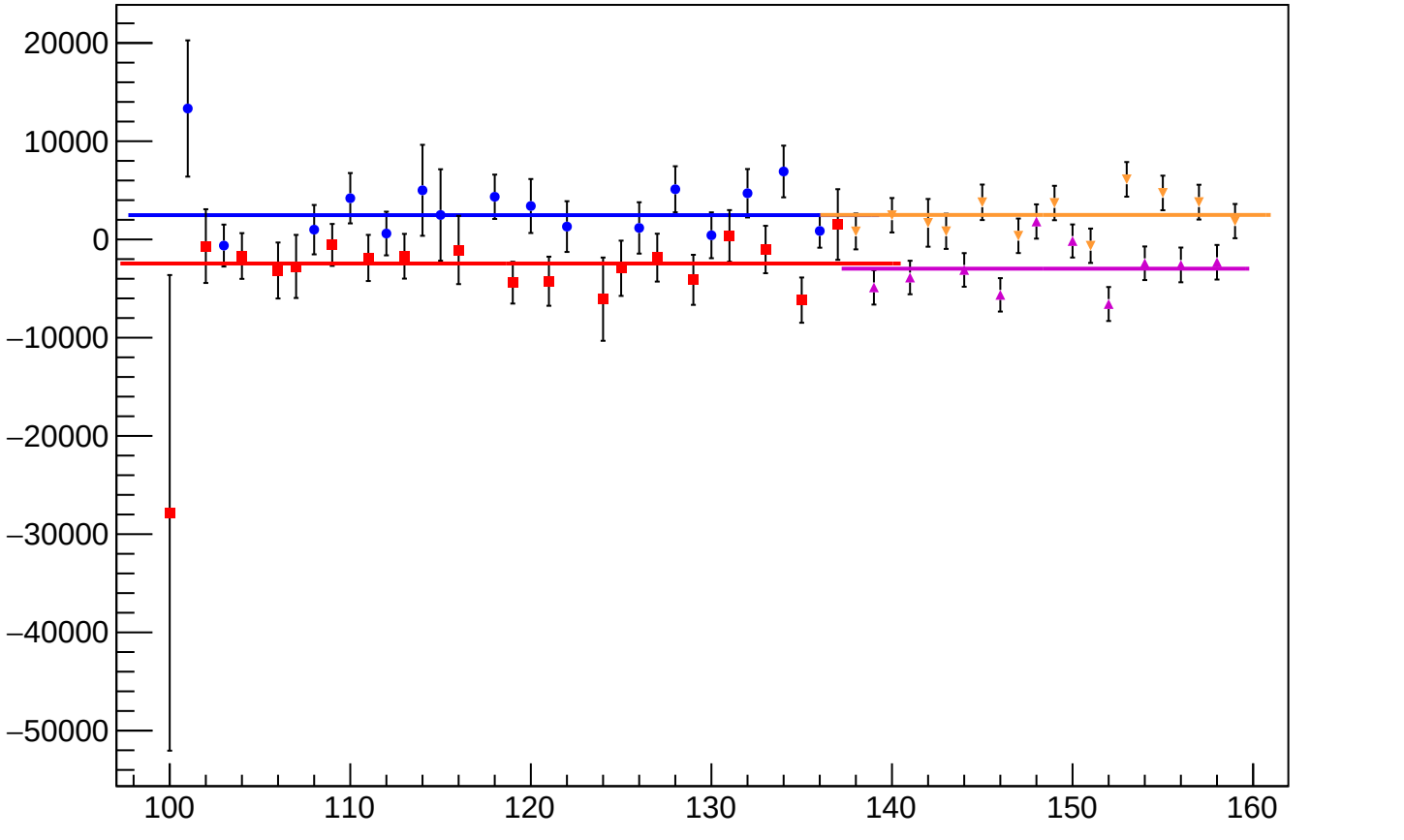
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 903.142+/-0.223 χ^2/NDF:963227.6/9

+ sign 906.332+/-0.163 χ^2/NDF: 1966680.4/27

All: 881.703+/-0.113 χ^2/NDF: 4107552.9/56

- sign 858.440+/-0.158 χ^2/NDF: 2096206.7/28



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

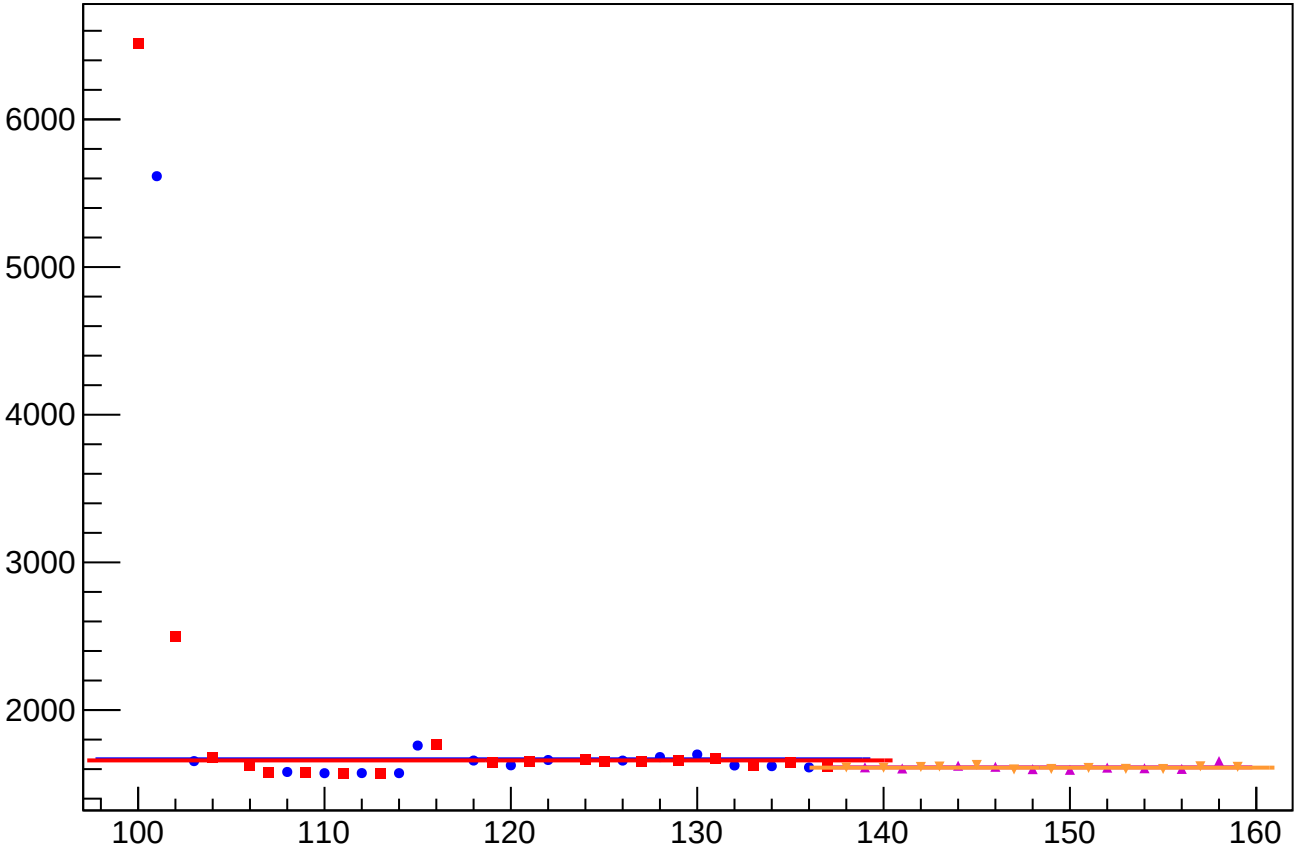
Left In: -2975.442+/-545.824 χ^2/NDF:18.9/9

+ sign 2487.810+/-402.488 χ^2/NDF: 28.2/27

All: -86.590+/-286.866 χ^2/NDF: 141.2/56

- sign -2744.571+/-408.969 χ^2/NDF: 29.9/28

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

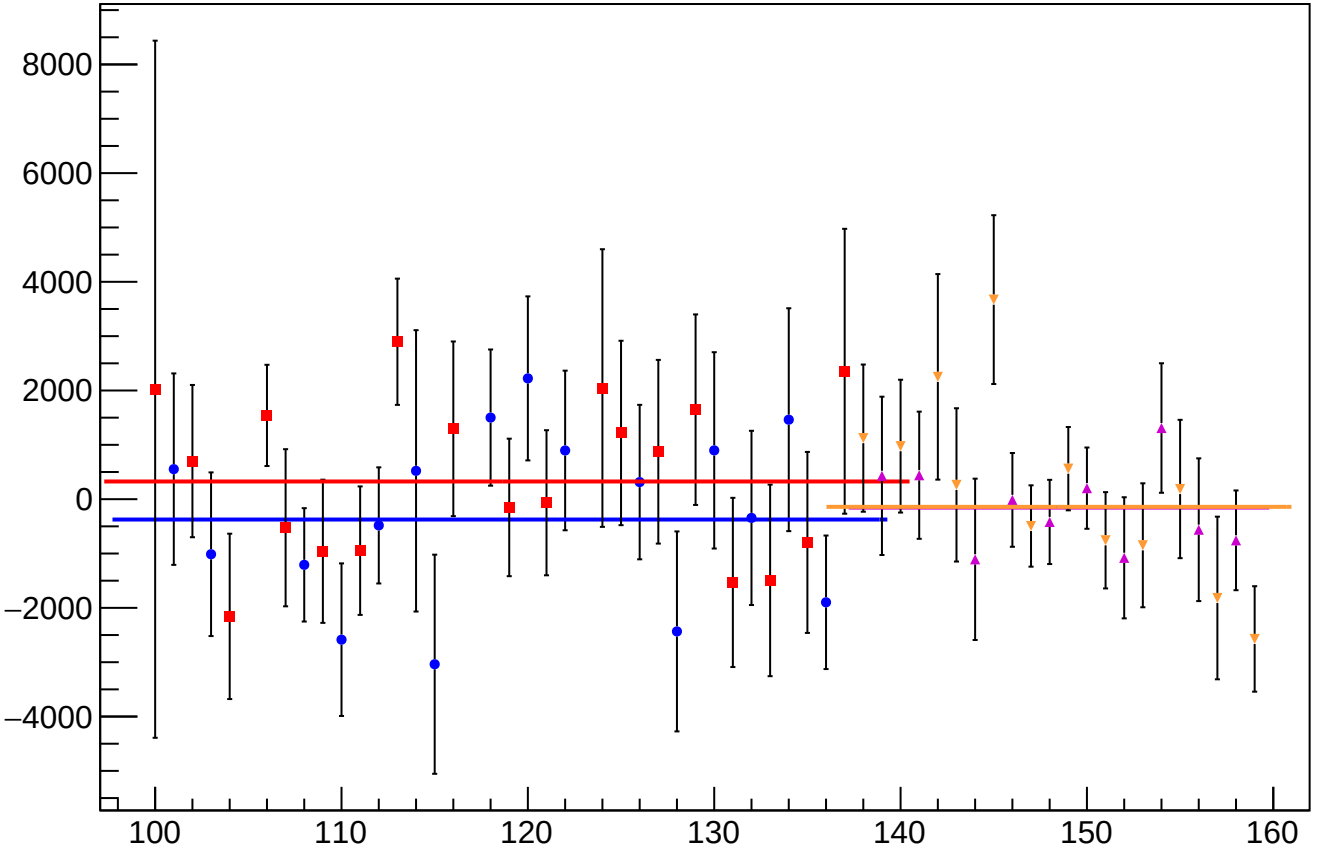
Left In: 1612.180+/-0.386 χ^2/NDF:1667.6/9

+ sign 1632.730+/-0.285 χ^2/NDF: 672939.5/27

All: 1632.724+/-0.203 χ^2/NDF: 874286.4/56

- sign 1632.717+/-0.289 χ^2/NDF: 201346.9/28

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -141.083+/-315.188 χ^2/NDF:18.9/11

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

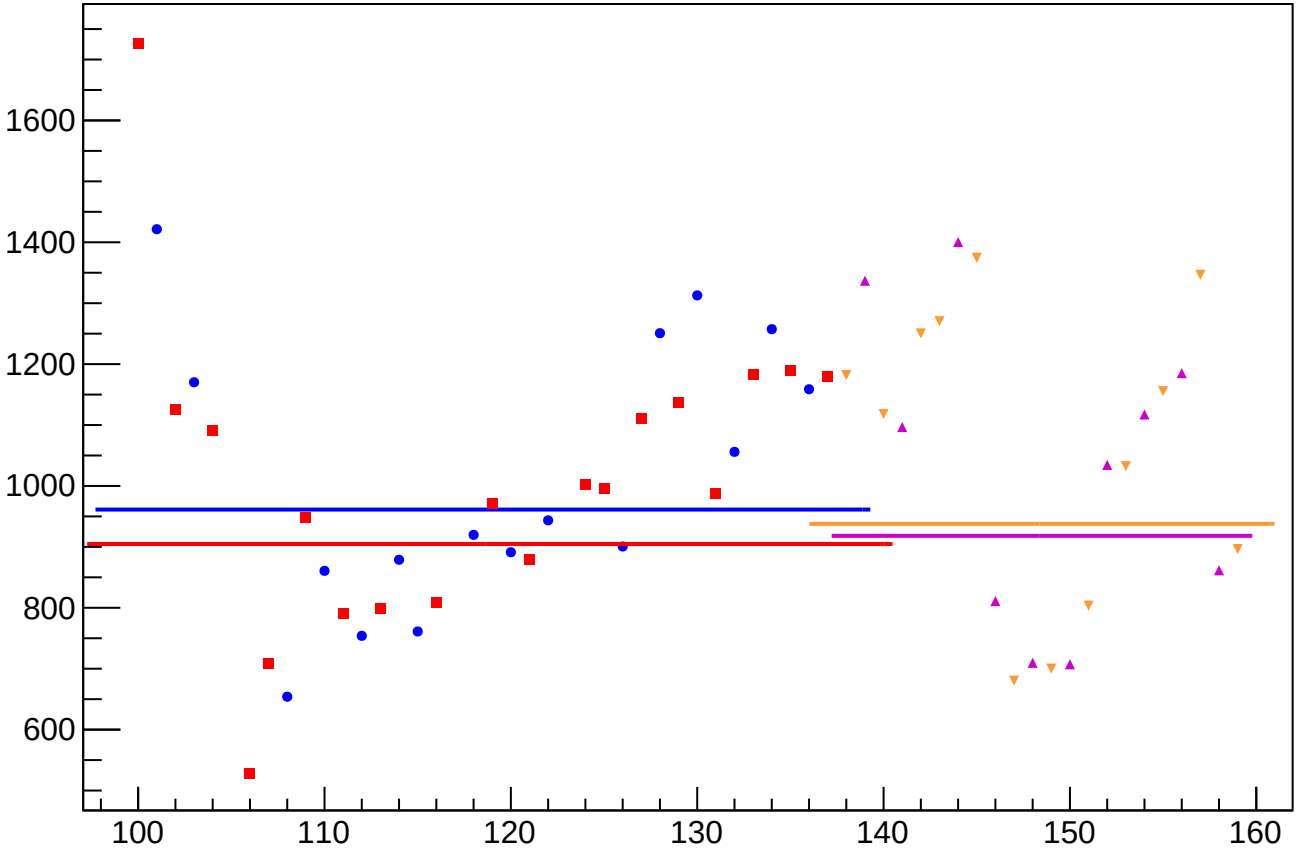
Left In: -154.358+/-320.597 χ^2/NDF:3.9/9

+ sign -239.911+/-239.371 χ^2/NDF: 34.9/27

All: -80.497+/-167.130 χ^2/NDF: 58.1/56

- sign 71.133+/-233.454 χ^2/NDF: 22.4/28

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

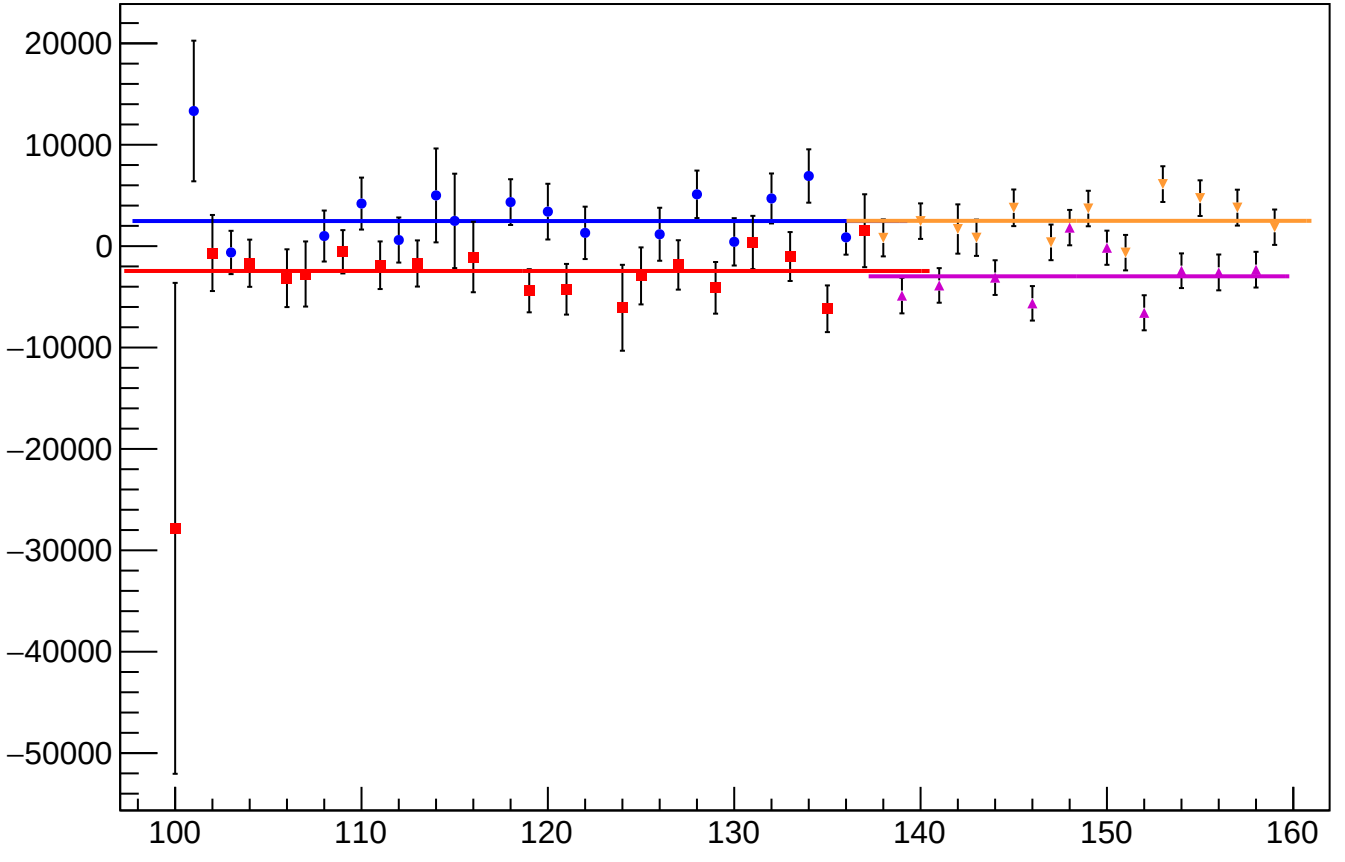
Left In: 918.142+/-0.227 χ^2/NDF:925703.1/9

+ sign 947.717+/-0.169 χ^2/NDF: 1829059.7/27

All: 929.332+/-0.118 χ^2/NDF: 3515909.9/56

- sign 911.845+/-0.165 χ^2/NDF: 1663830.4/28

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

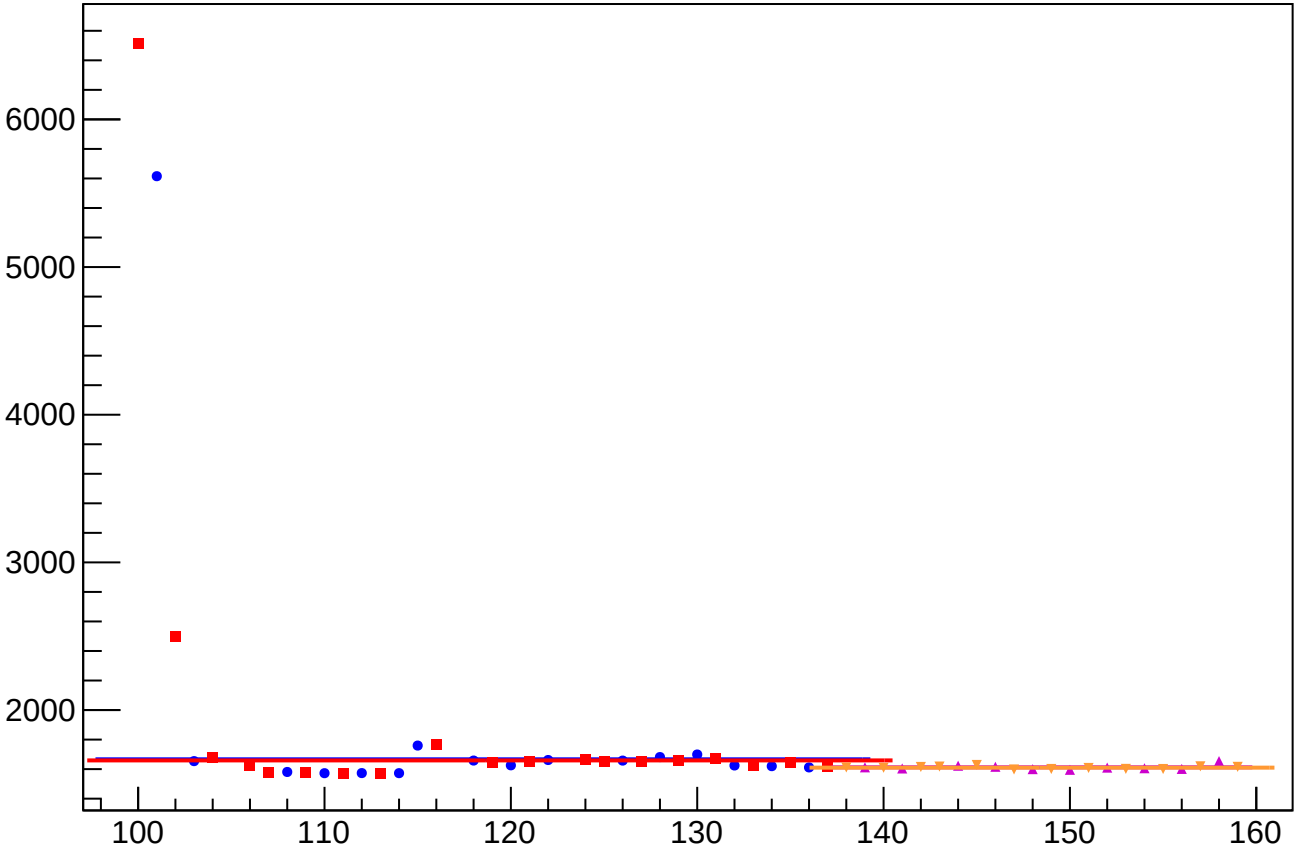
Left In: -2975.442+/-545.824 χ^2/NDF:18.9/9

+ sign 2487.809+/-402.488 χ^2/NDF: 28.2/27

All: -86.590+/-286.866 χ^2/NDF: 141.2/56

- sign -2744.571+/-408.969 χ^2/NDF: 29.9/28

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

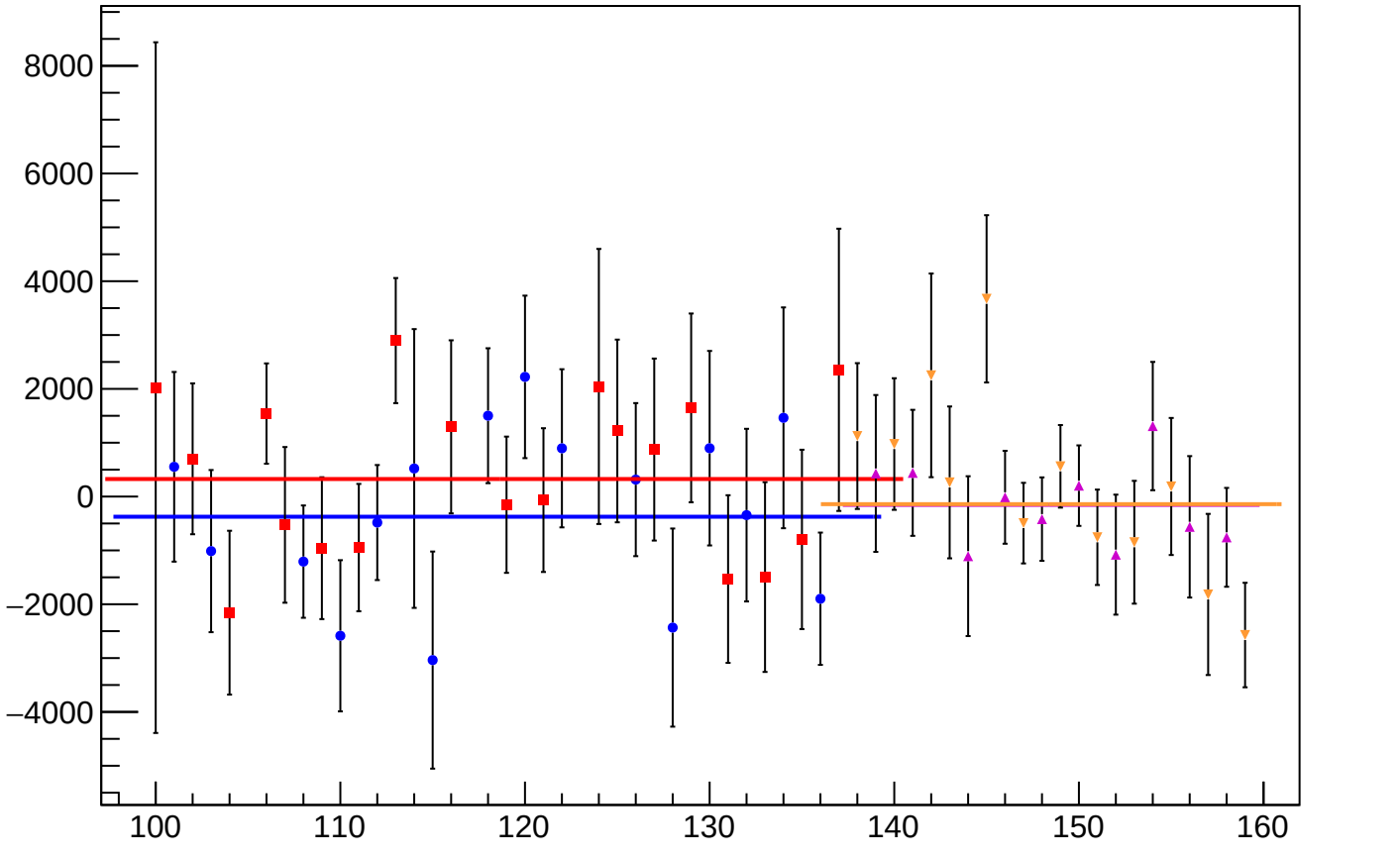
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1612.180+/-0.386 χ^2/NDF:1667.6/9

+ sign 1632.730+/-0.285 χ^2/NDF: 672939.5/27

All: 1632.724+/-0.203 χ^2/NDF: 874286.2/56

- sign 1632.717+/-0.289 χ^2/NDF: 201346.7/28



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -141.085+/-315.189 χ^2/NDF:18.9/11

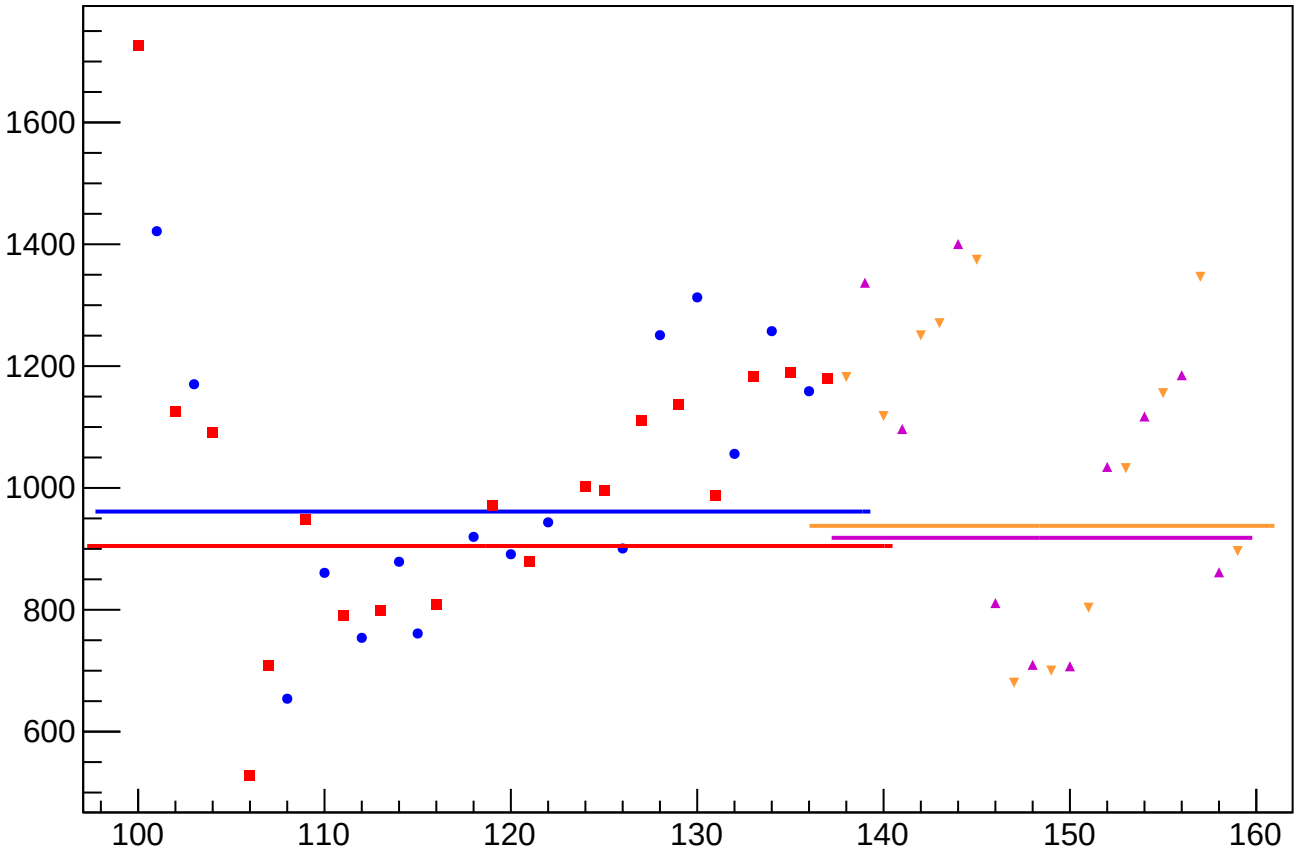
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -154.359+/-320.597 χ^2/NDF:3.9/9

+ sign -239.912+/-239.371 χ^2/NDF: 34.9/27

All: -80.498+/-167.130 χ^2/NDF: 58.1/56

- sign 71.134+/-233.454 χ^2/NDF: 22.4/28



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

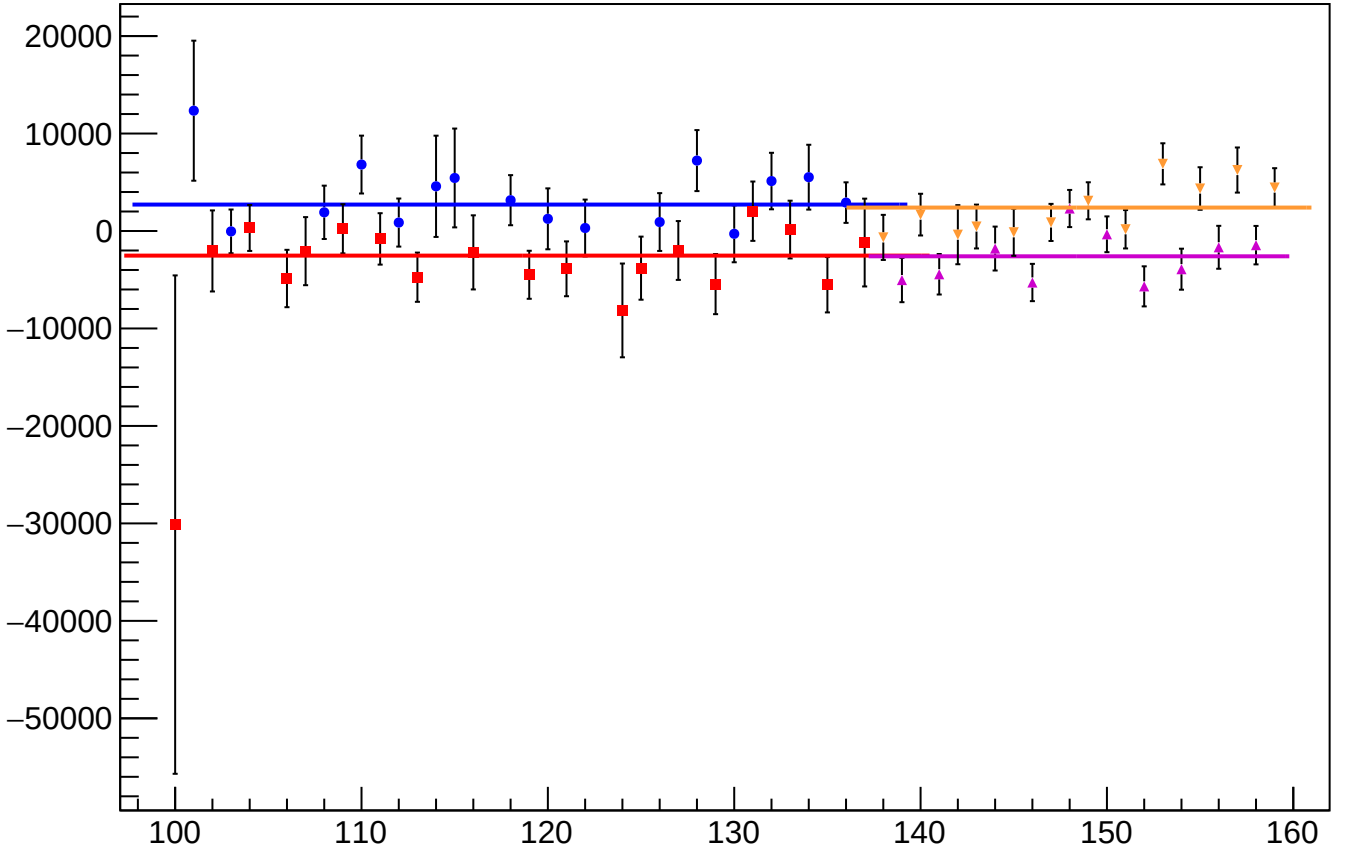
Left In: 918.143+/-0.227 χ^2/NDF:925705.6/9

+ sign 947.716+/-0.169 χ^2/NDF: 1829067.9/27

All: 929.331+/-0.118 χ^2/NDF: 3515918.8/56

- sign 911.844+/-0.165 χ^2/NDF: 1663831.5/28

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

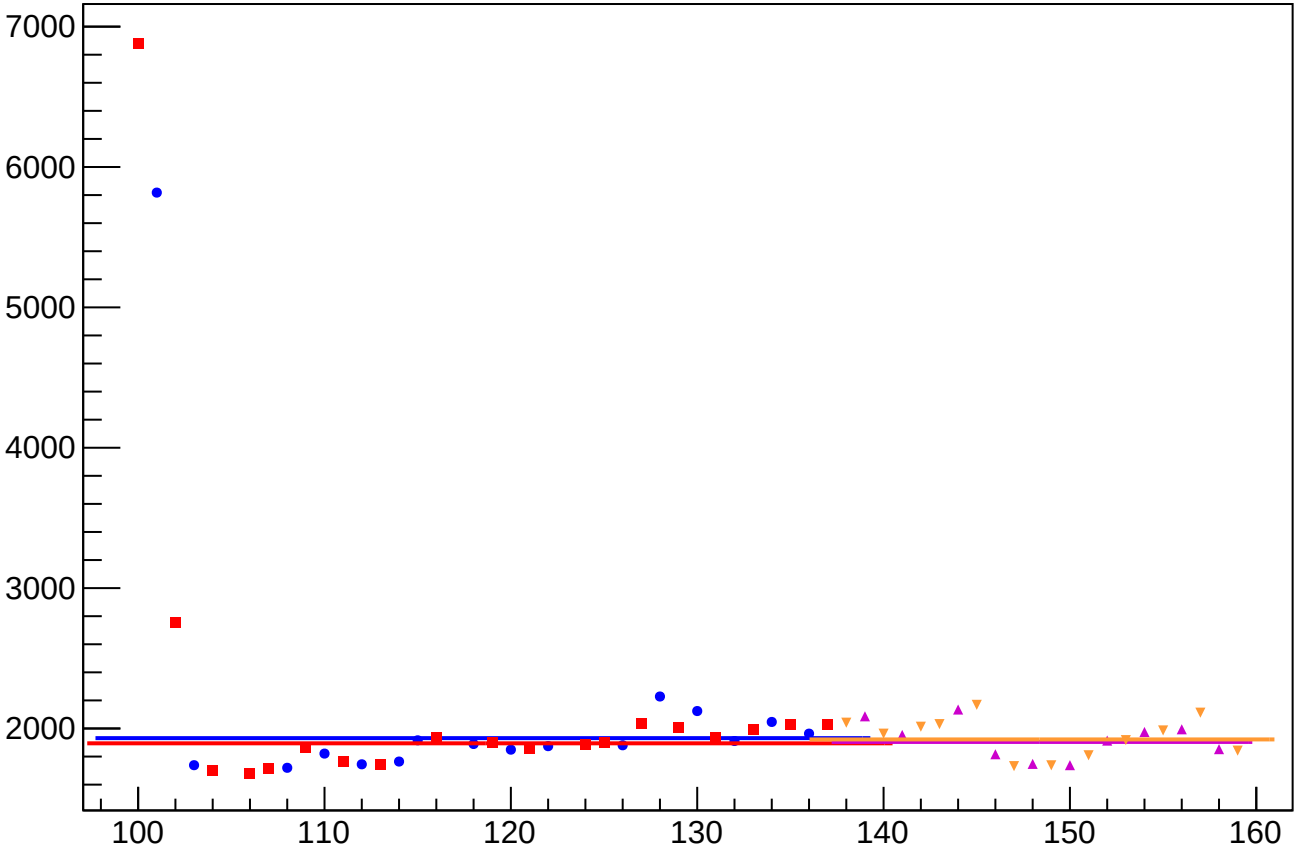
Left In: -2595.983+/-646.390 χ^2/NDF:15.3/9

+ sign 2532.476+/-475.743 χ^2/NDF: 28.0/27

All: -9.575+/-336.805 χ^2/NDF: 113.8/56

- sign -2563.881+/-476.888 χ^2/NDF: 28.6/28

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

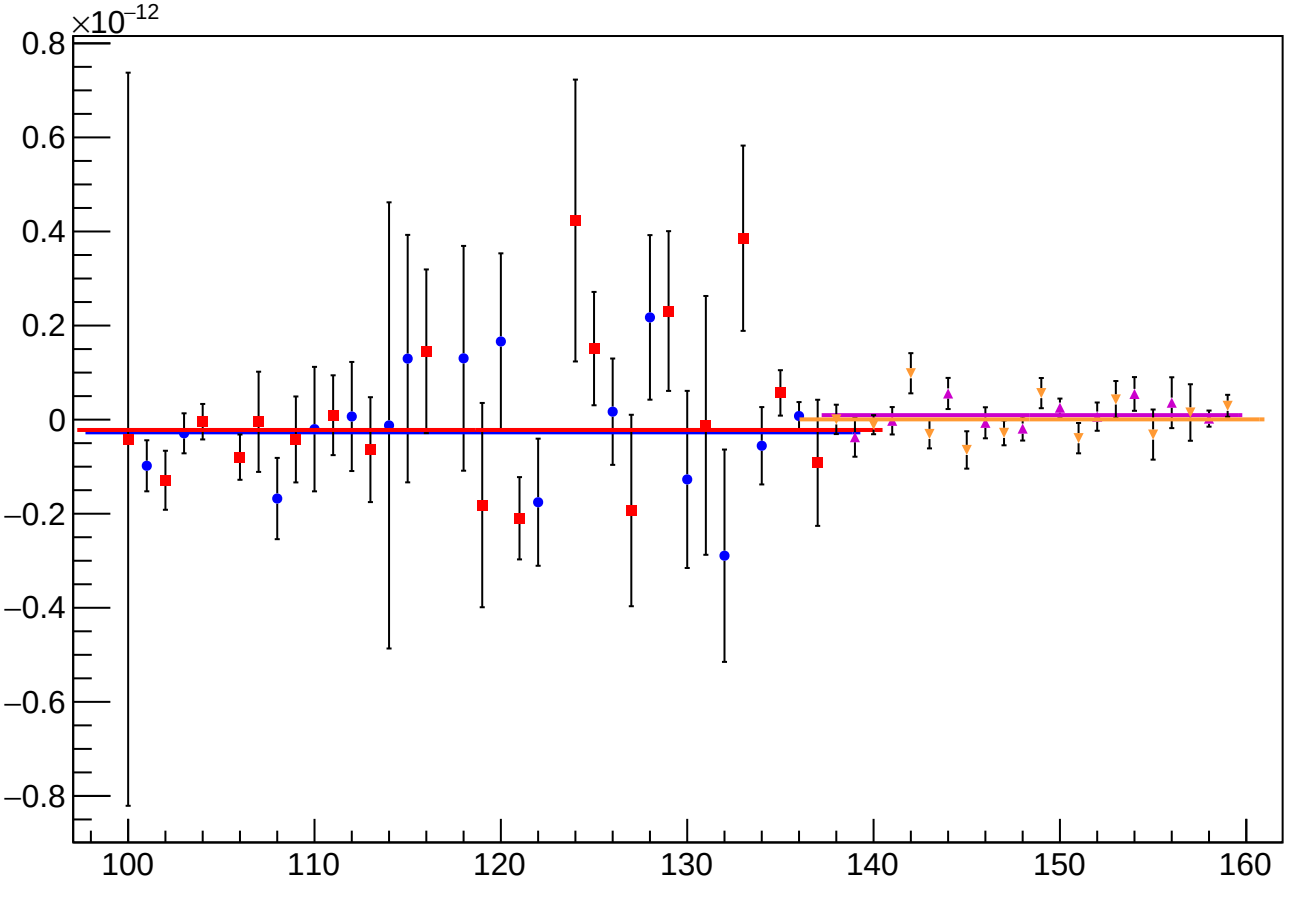
Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1904.247+/-0.457 χ^2/NDF:76014.9/9

+ sign 1925.902+/-0.336 χ^2/NDF: 758697.2/27

All: 1912.850+/-0.238 χ^2/NDF: 1058484.5/56

- sign 1899.736+/-0.337 χ^2/NDF: 296769.7/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/11

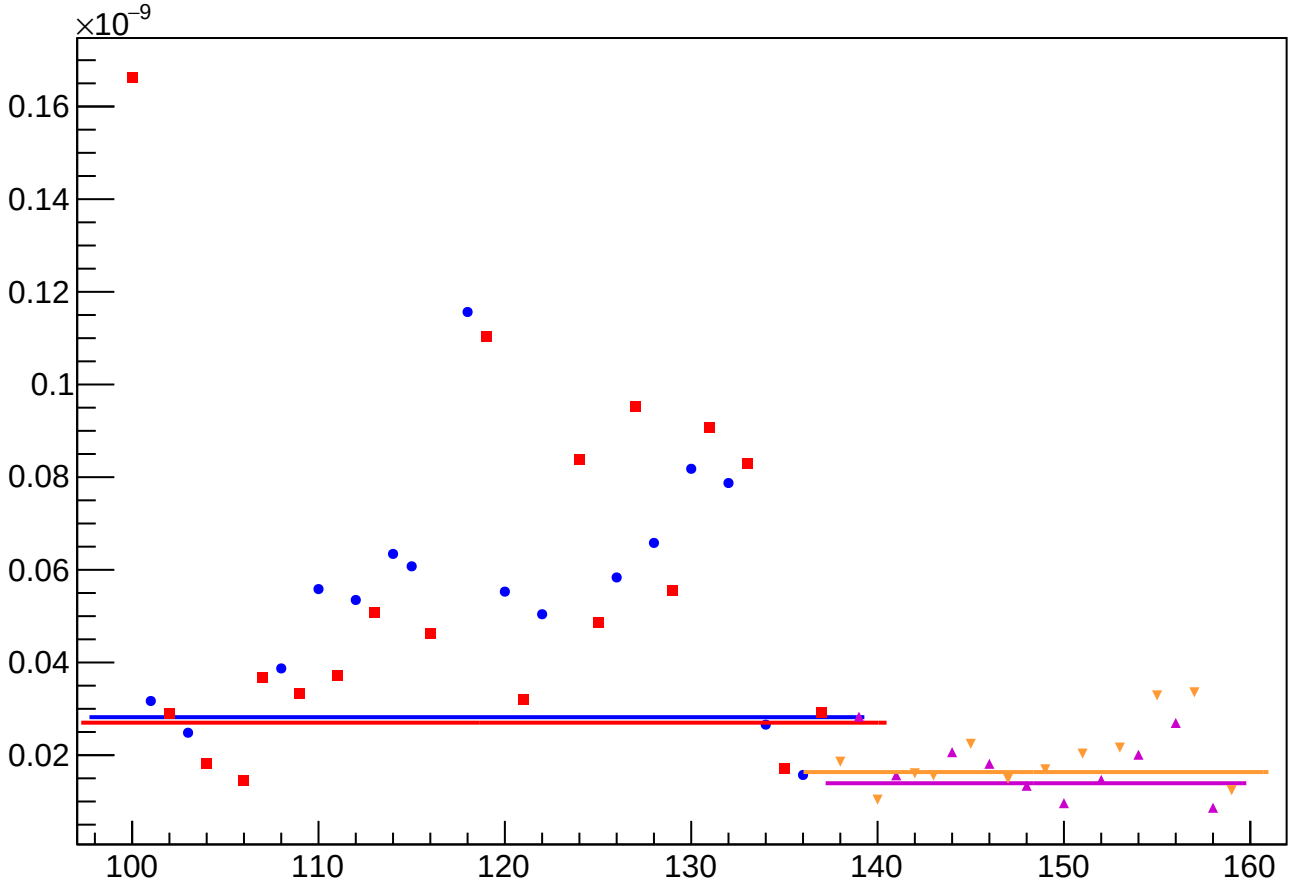
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 32.6/27

All: 0.000+/-0.000 χ^2/NDF: 68.3/56

- sign 0.000+/-0.000 χ^2/NDF: 35.2/28



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

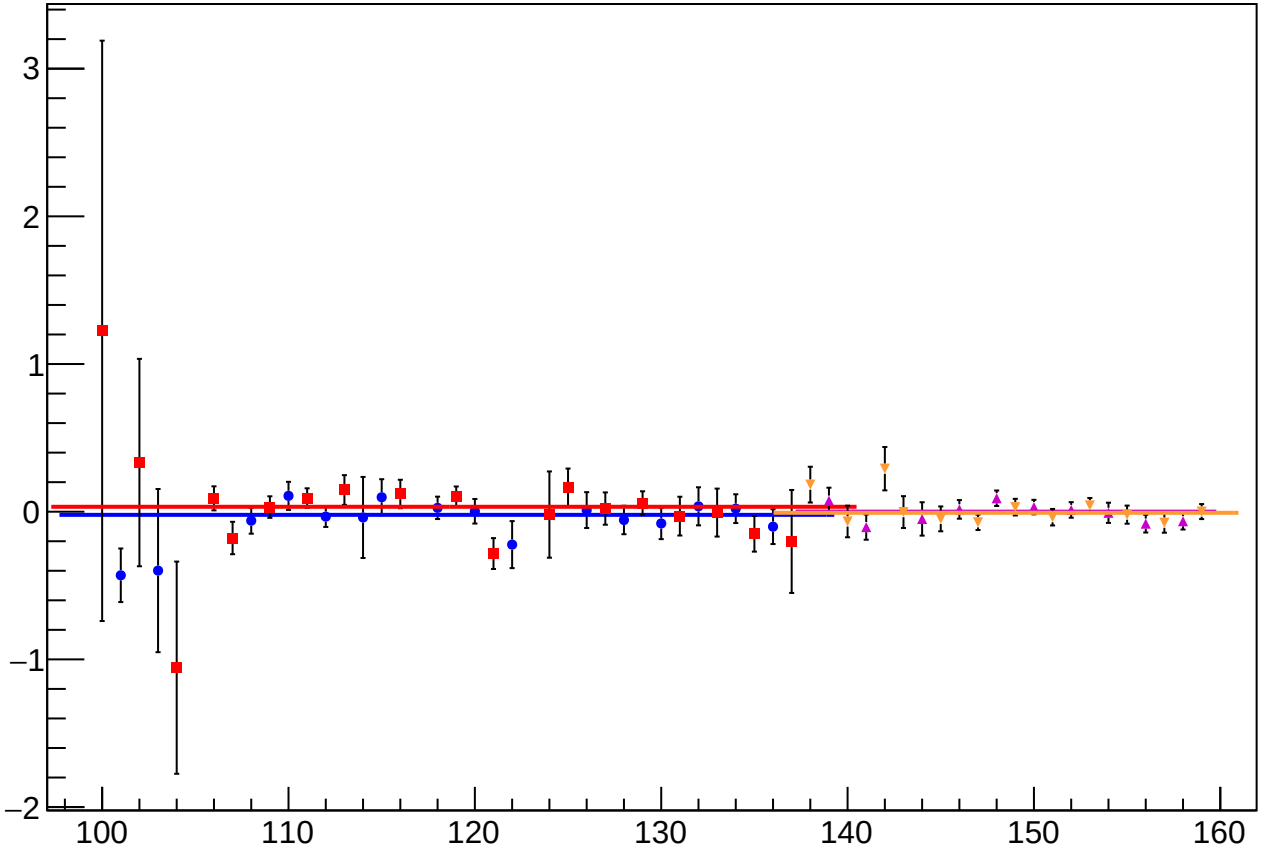
Left In: 0.000+/-0.000 χ^2/NDF:827918.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 2831820.0/27

All: 0.000+/-0.000 χ^2/NDF: 6065784.5/56

- sign 0.000+/-0.000 χ^2/NDF: 3143784.1/28

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

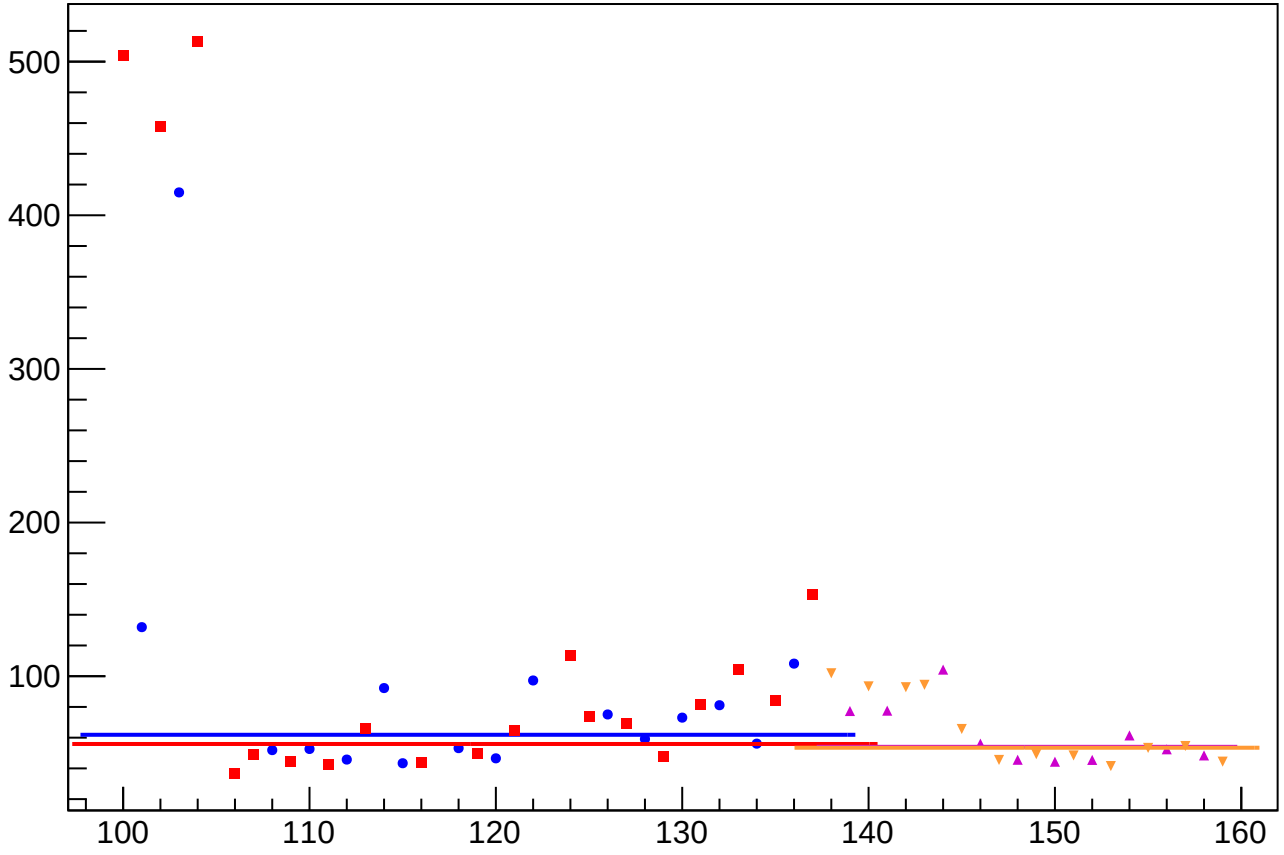
Left In: 0.001+/-0.020 χ^2/NDF:9.1/9

+ sign -0.012+/-0.016 χ^2/NDF: 23.7/27

All: 0.001+/-0.011 χ^2/NDF: 59.6/56

- sign 0.014+/-0.015 χ^2/NDF: 34.5/28

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

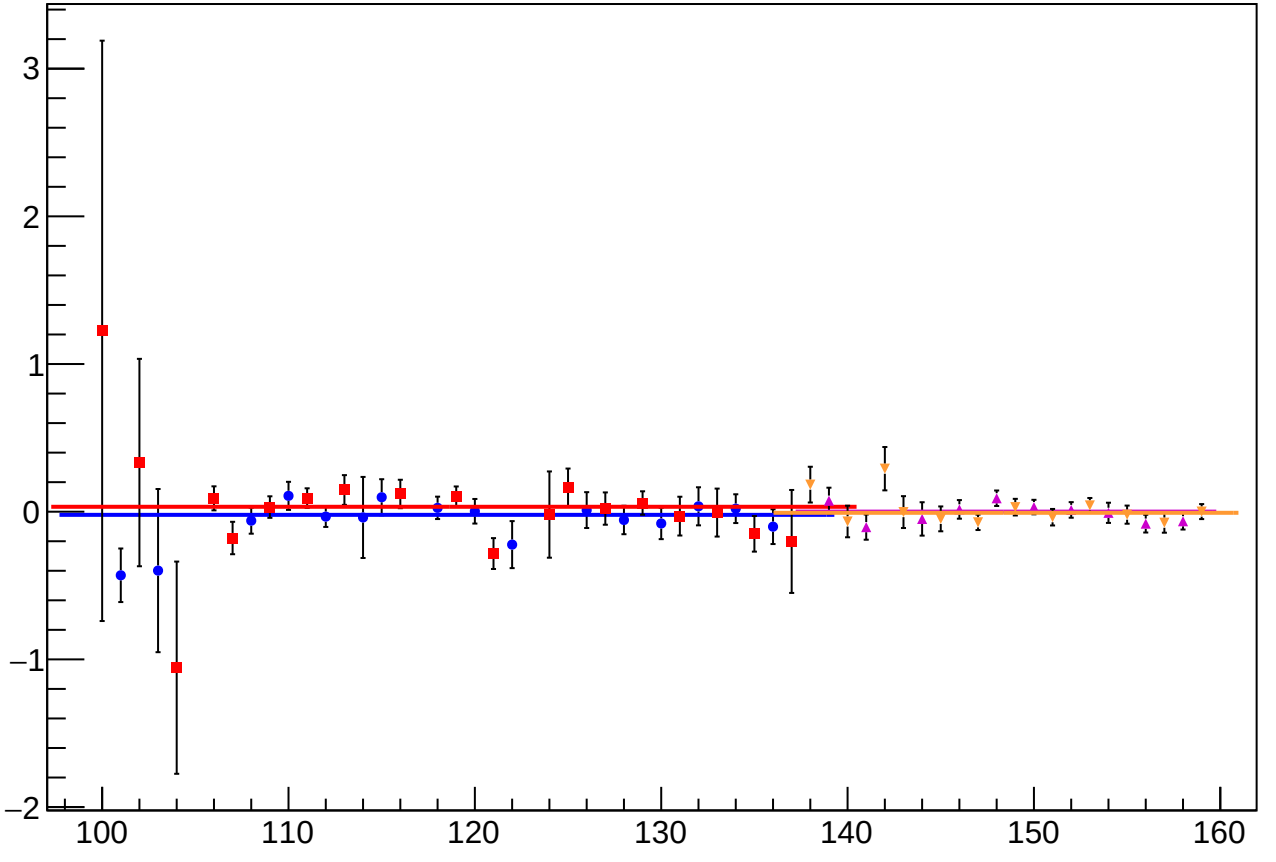
Left In: 54.030+/-0.014 χ^2/NDF:916421.8/9

+ sign 56.353+/-0.011 χ^2/NDF: 3393284.8/27

All: 55.550+/-0.008 χ^2/NDF: 6918397.5/56

- sign 54.763+/-0.011 χ^2/NDF: 3514608.5/28

asym_usr_atr1_avg_dit_vs_eigen_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

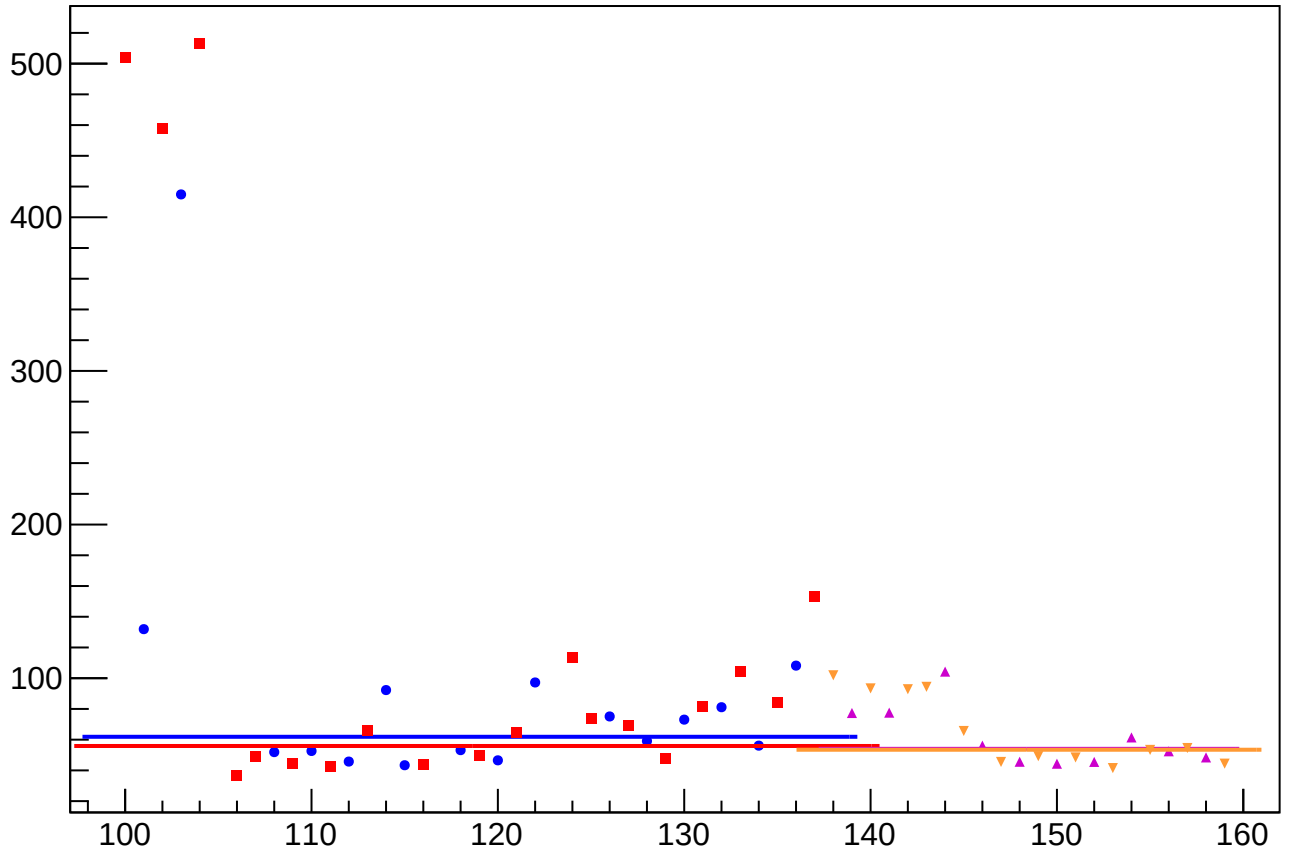
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.001+/-0.020 χ^2/NDF:9.1/9

\+ sign -0.012+/-0.016 χ^2/NDF: 23.7/27

All: 0.001+/-0.011 χ^2/NDF: 59.6/56

\- sign 0.014+/-0.015 χ^2/NDF: 34.5/28



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.448+/-0.014 χ^2/NDF:1323320.4/11

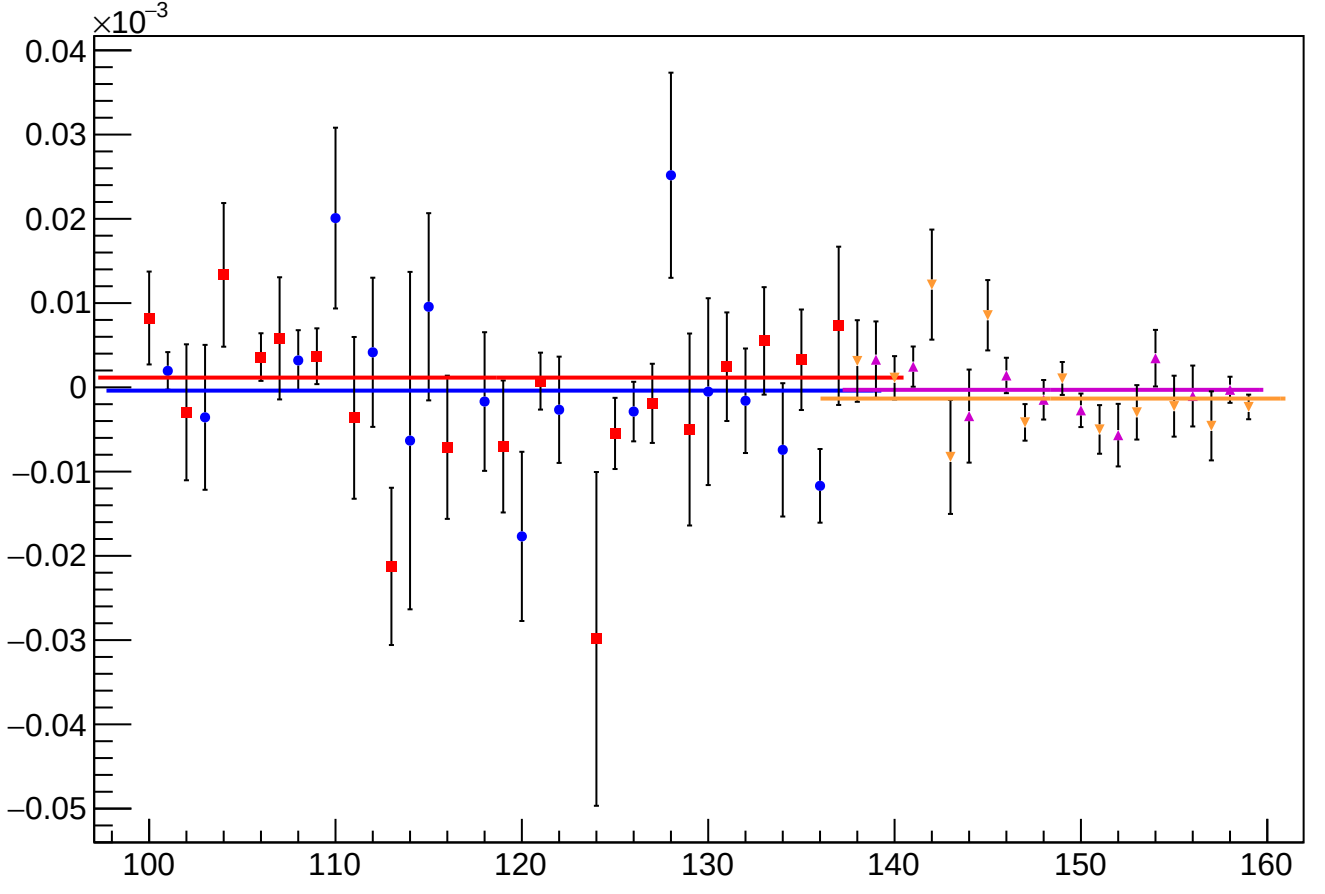
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.030+/-0.014 χ^2/NDF:916421.8/9

+ sign 56.353+/-0.011 χ^2/NDF: 3393284.8/27

All: 55.550+/-0.008 χ^2/NDF: 6918397.5/56

- sign 54.763+/-0.011 χ^2/NDF: 3514608.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/11

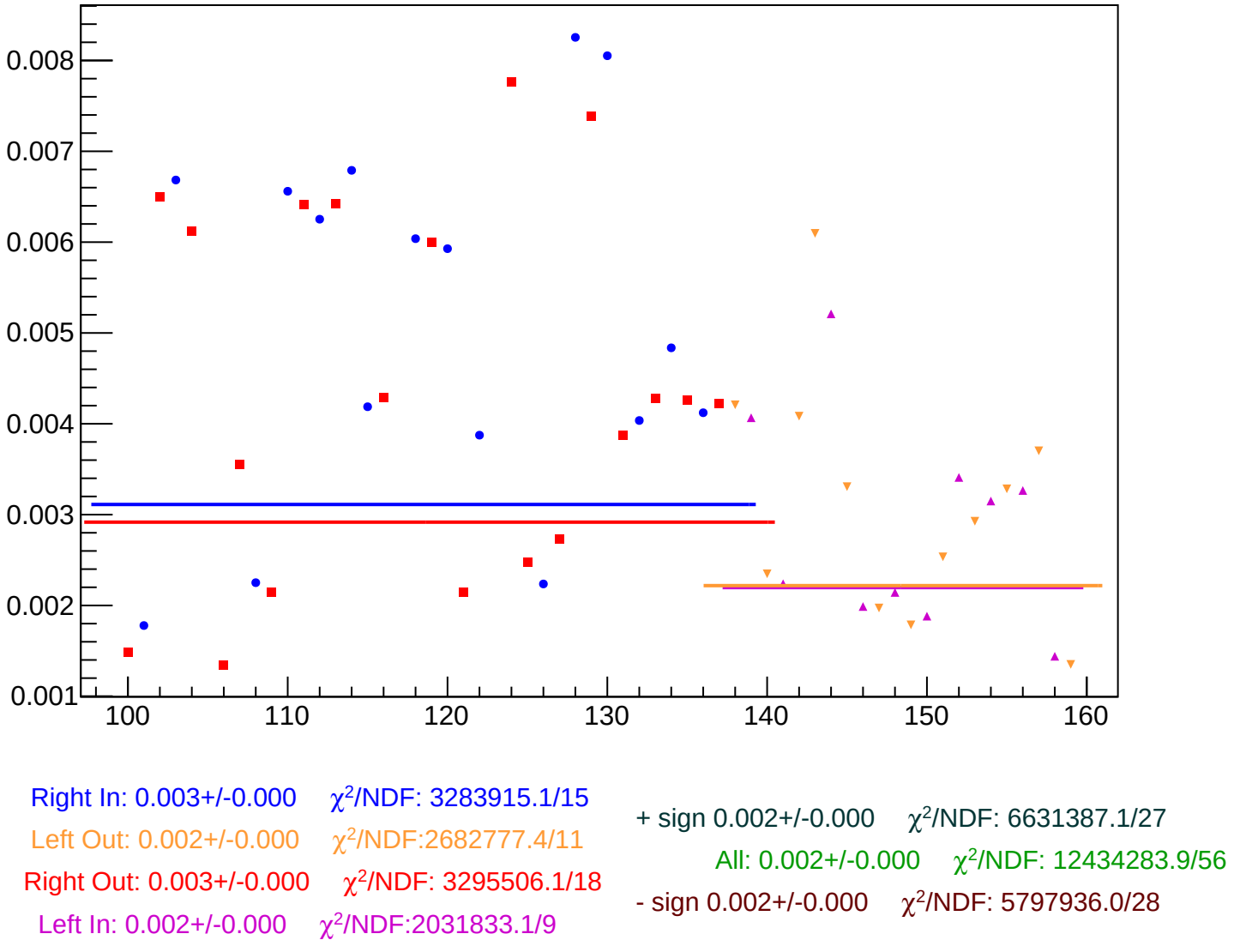
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/9

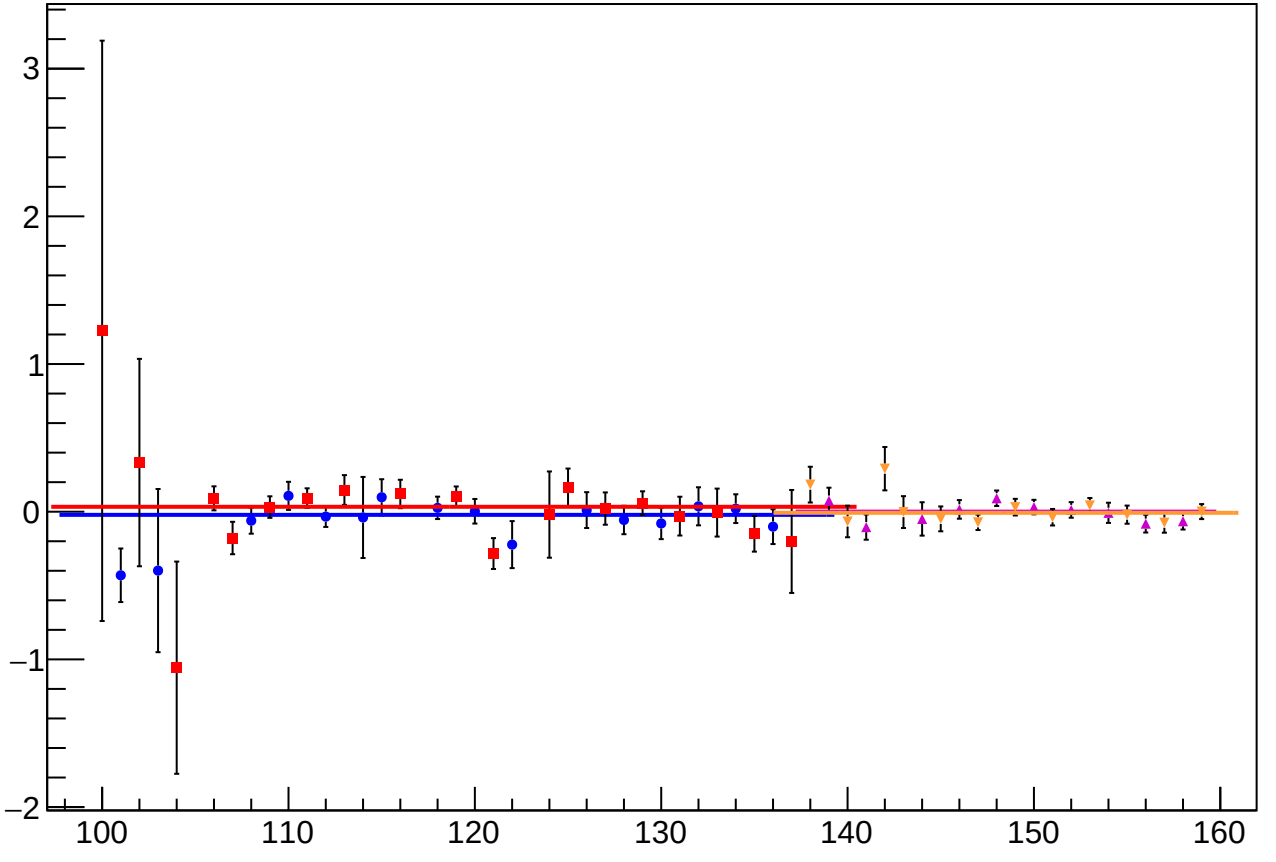
+ sign -0.000+/-0.000 χ^2/NDF: 41.9/27

All: -0.000+/-0.000 χ^2/NDF: 72.9/56

- sign 0.000+/-0.000 χ^2/NDF: 29.5/28


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 3283915.1/15
Left Out: 0.002+/-0.000 χ²/NDF:2682777.4/11
Right Out: 0.003+/-0.000 χ²/NDF: 3295506.1/18
Left In: 0.002+/-0.000 χ²/NDF:2031833.1/9
+ sign 0.002+/-0.000 χ²/NDF: 6631387.1/27
All: 0.002+/-0.000 χ²/NDF: 12434283.9/56
- sign 0.002+/-0.000 χ²/NDF: 5797936.0/28

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.007+/-0.019 χ^2/NDF:11.5/11

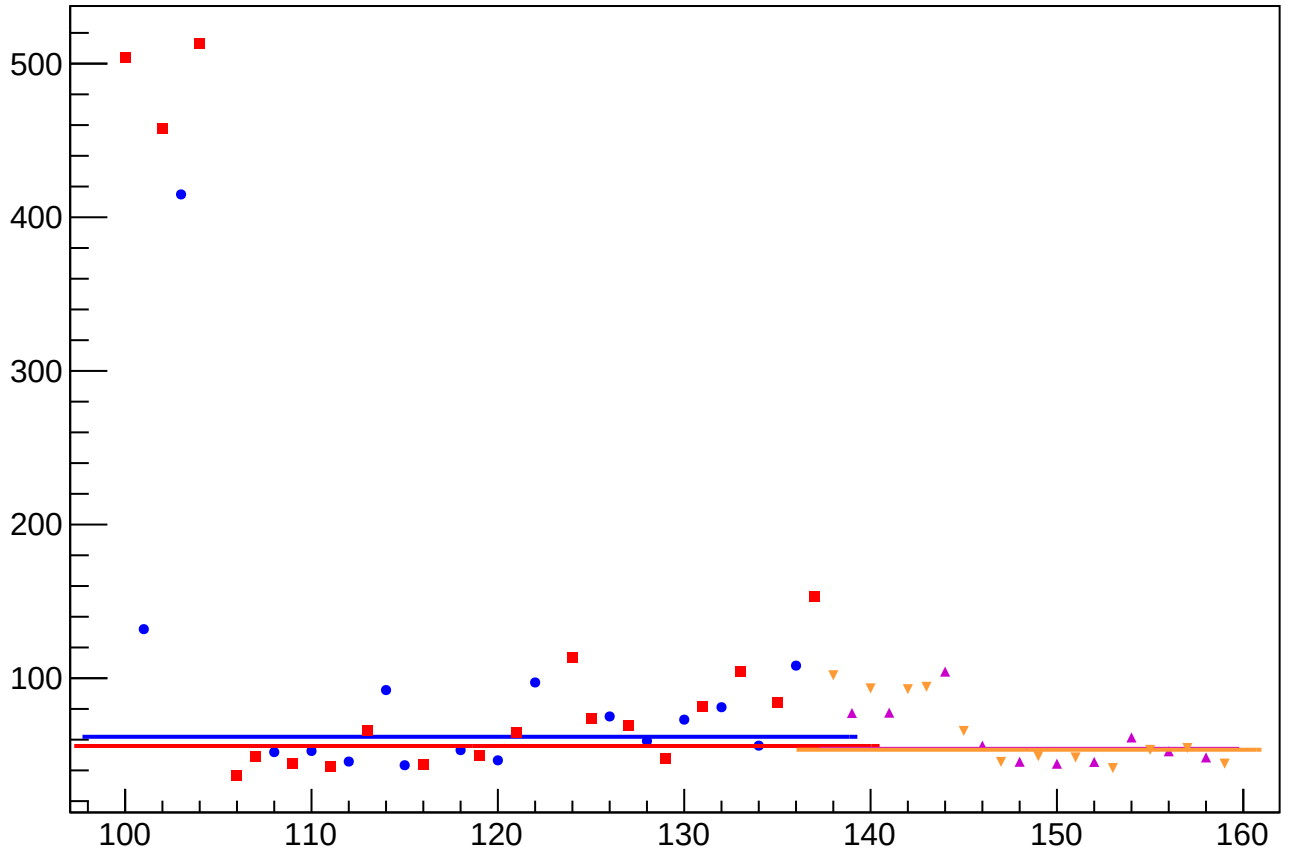
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.001+/-0.020 χ^2/NDF:9.1/9

\+ sign -0.012+/-0.016 χ^2/NDF: 23.7/27

All: 0.001+/-0.011 χ^2/NDF: 59.6/56

\- sign 0.014+/-0.015 χ^2/NDF: 34.5/28



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

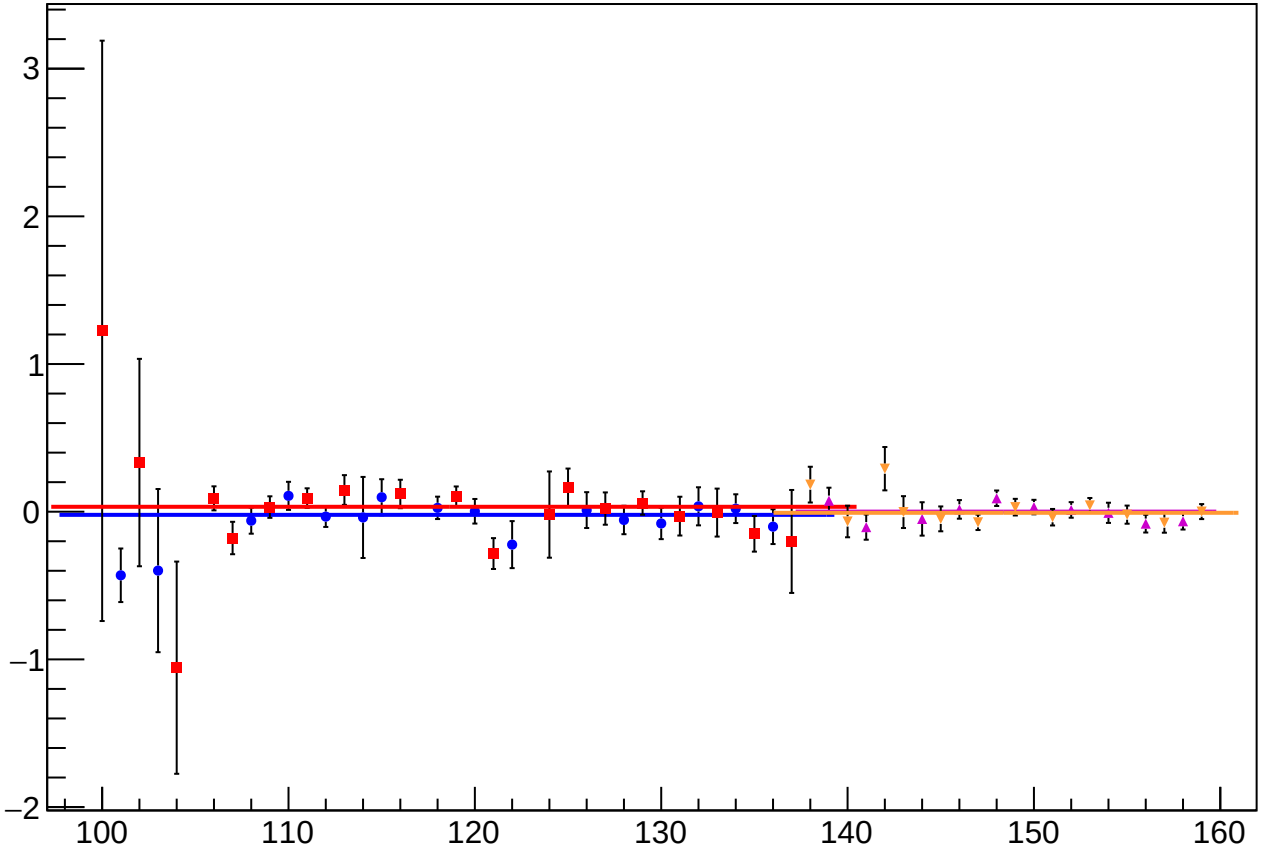
Left In: 54.030+/-0.014 χ^2/NDF:916406.0/9

+ sign 56.352+/-0.011 χ^2/NDF: 3393267.1/27

All: 55.550+/-0.008 χ^2/NDF: 6918312.0/56

- sign 54.762+/-0.011 χ^2/NDF: 3514543.3/28

asym_usr_atr1_avg_eigen_dit_vs_eigen_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

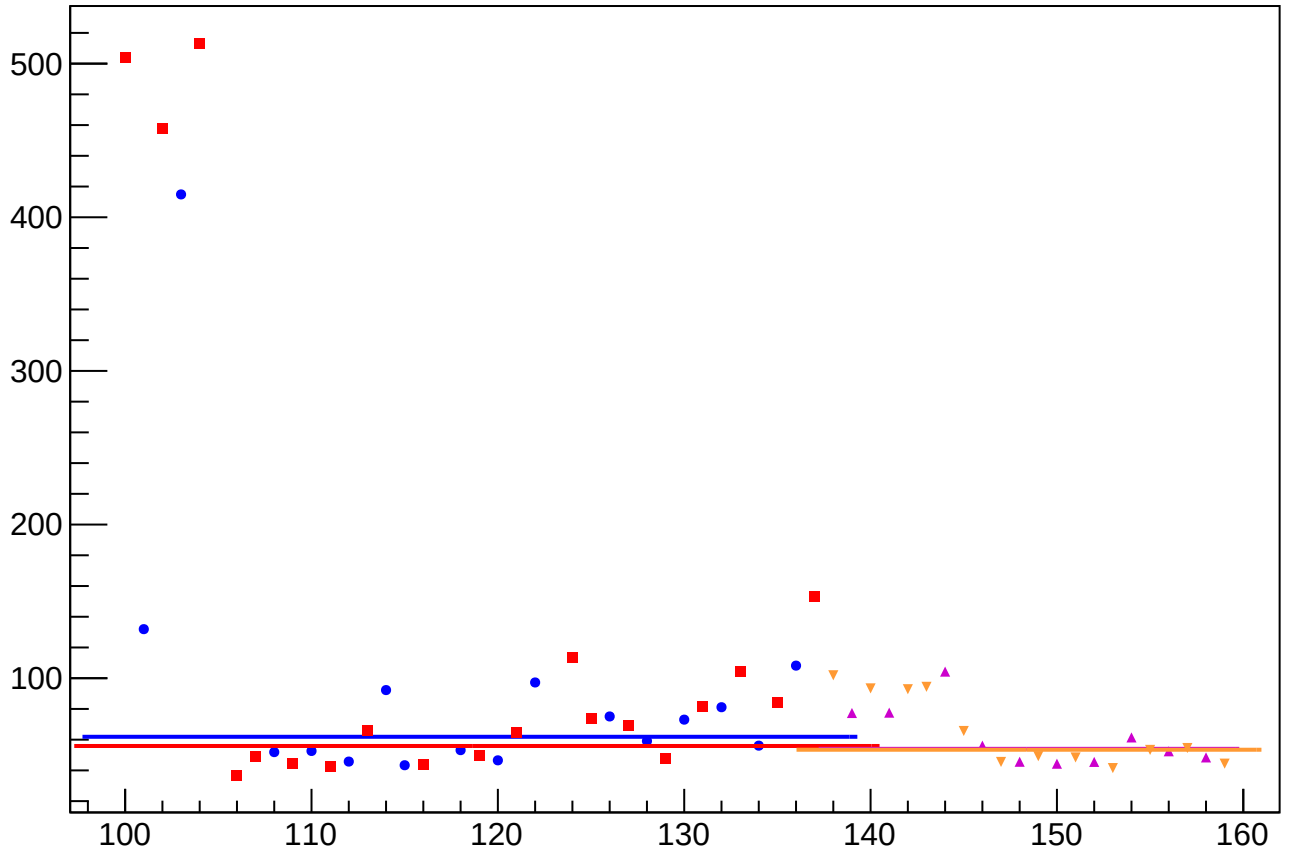
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.001+/-0.020 χ^2/NDF:9.1/9

+ sign -0.012+/-0.016 χ^2/NDF: 23.7/27

All: 0.001+/-0.011 χ^2/NDF: 59.6/56

- sign 0.014+/-0.015 χ^2/NDF: 34.5/28



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.448+/-0.014 χ^2/NDF:1323361.7/11

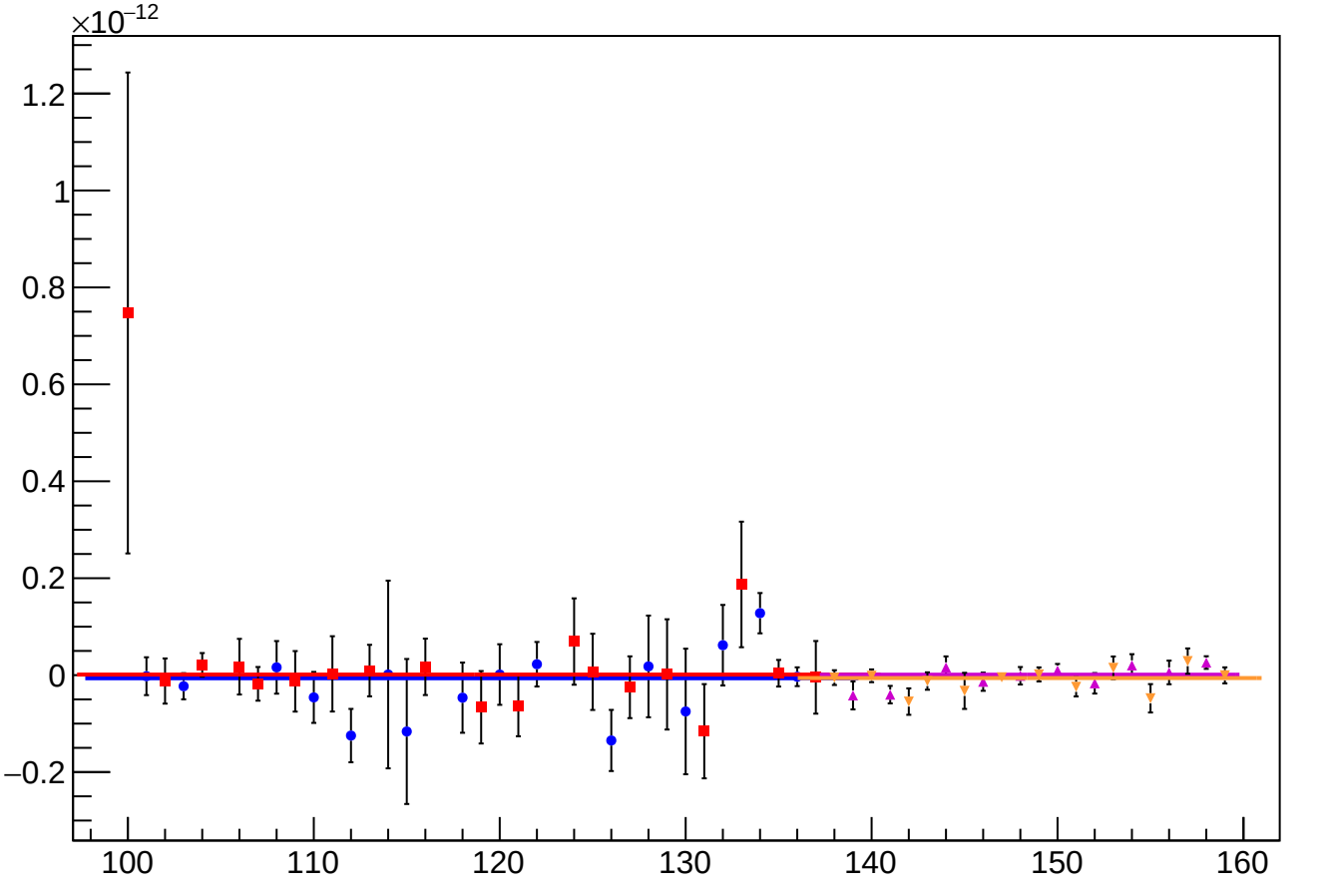
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.030+/-0.014 χ^2/NDF:916406.0/9

+ sign 56.352+/-0.011 χ^2/NDF: 3393267.1/27

All: 55.550+/-0.008 χ^2/NDF: 6918312.0/56

- sign 54.762+/-0.011 χ^2/NDF: 3514543.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/11

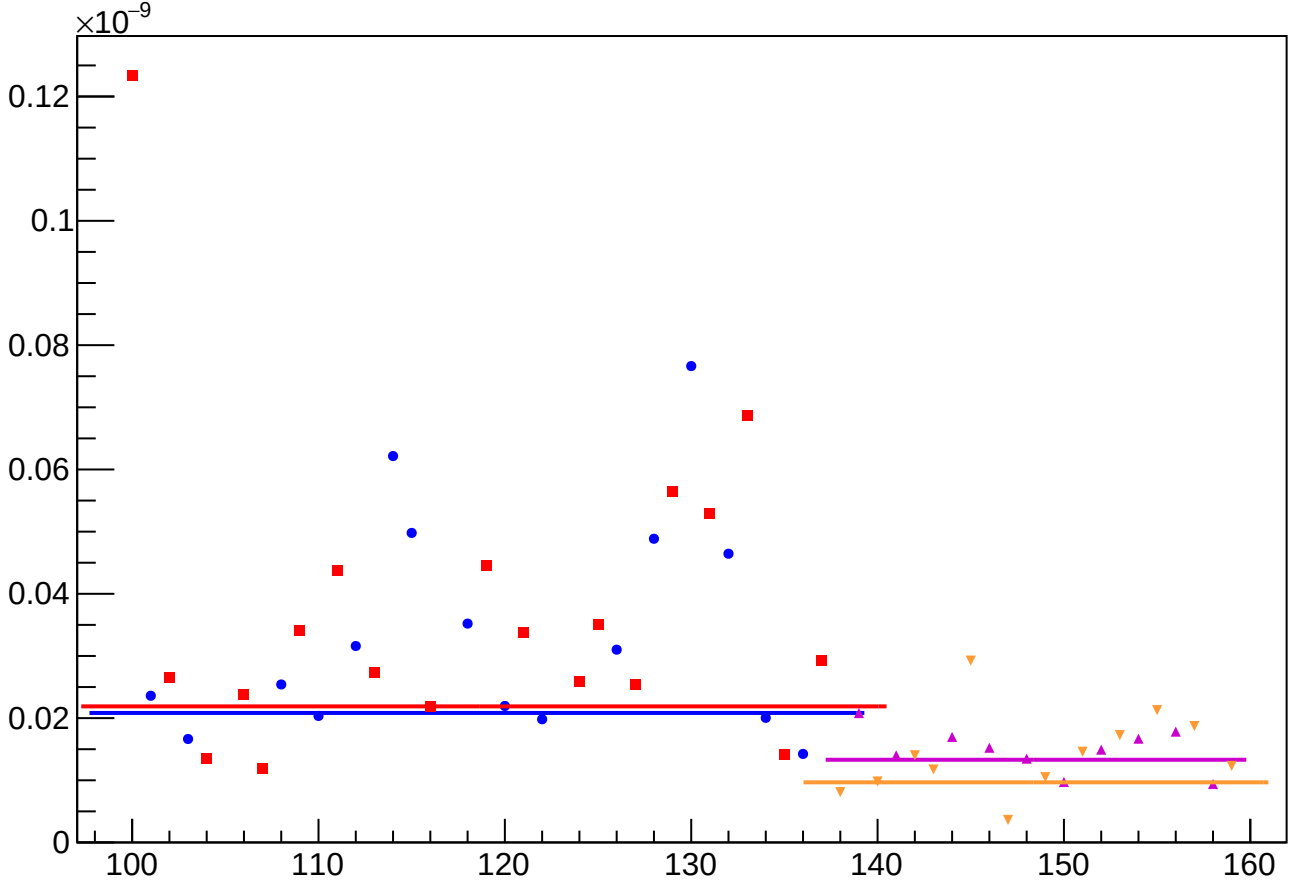
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 32.4/27

All: -0.000+/-0.000 χ^2/NDF: 57.1/56

- sign 0.000+/-0.000 χ^2/NDF: 23.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2647066.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

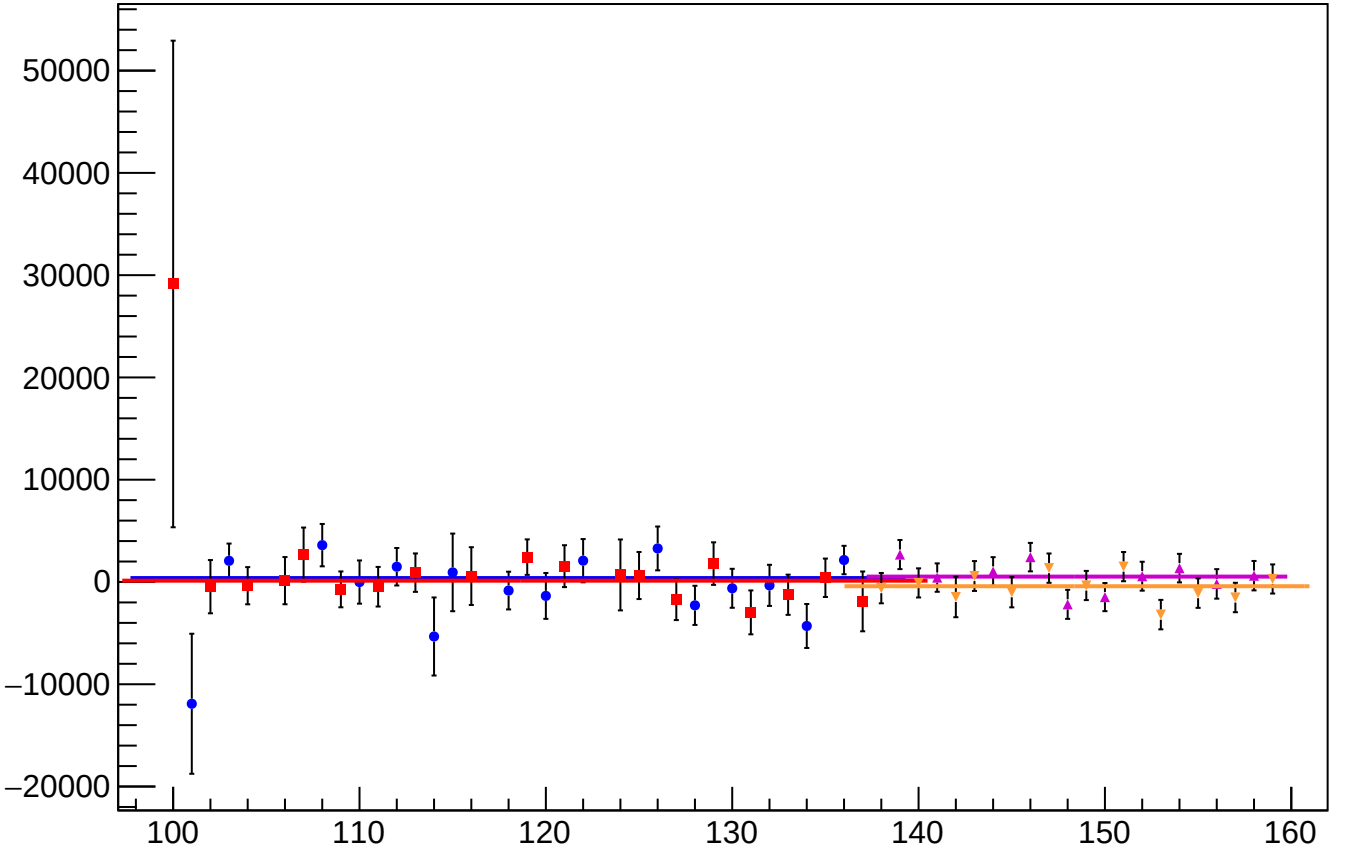
Left In: 0.000+/-0.000 χ^2/NDF:651189.0/9

\+ sign 0.000+/-0.000 χ^2/NDF: 5696931.9/27

All: 0.000+/-0.000 χ^2/NDF: 9664494.3/56

\- sign 0.000+/-0.000 χ^2/NDF: 3395986.1/28

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

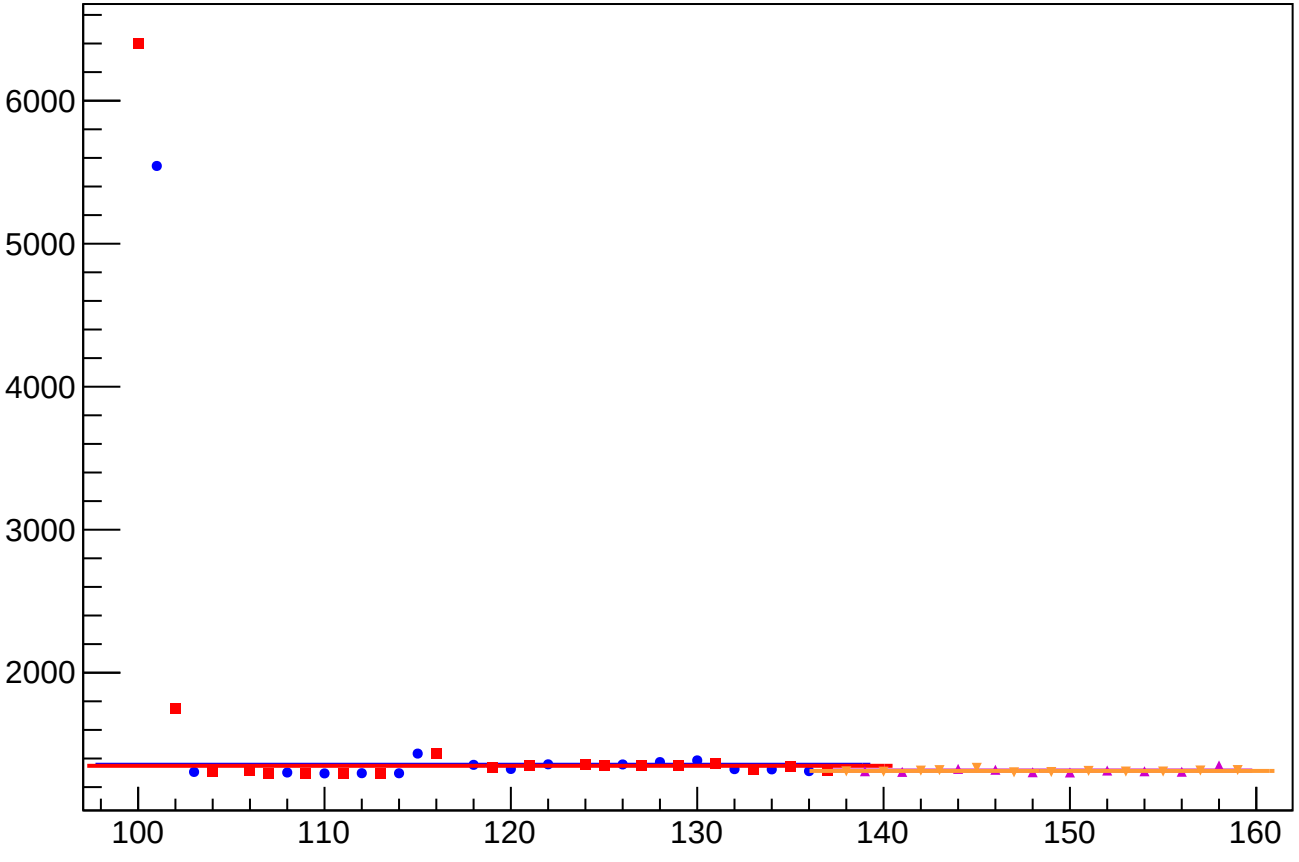
Left In: 525.082+/-445.494 χ^2/NDF:10.7/9

+ sign -95.121+/-328.484 χ^2/NDF: 32.0/27

All: 124.318+/-233.822 χ^2/NDF: 53.9/56

- sign 349.712+/-332.910 χ^2/NDF: 21.0/28

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

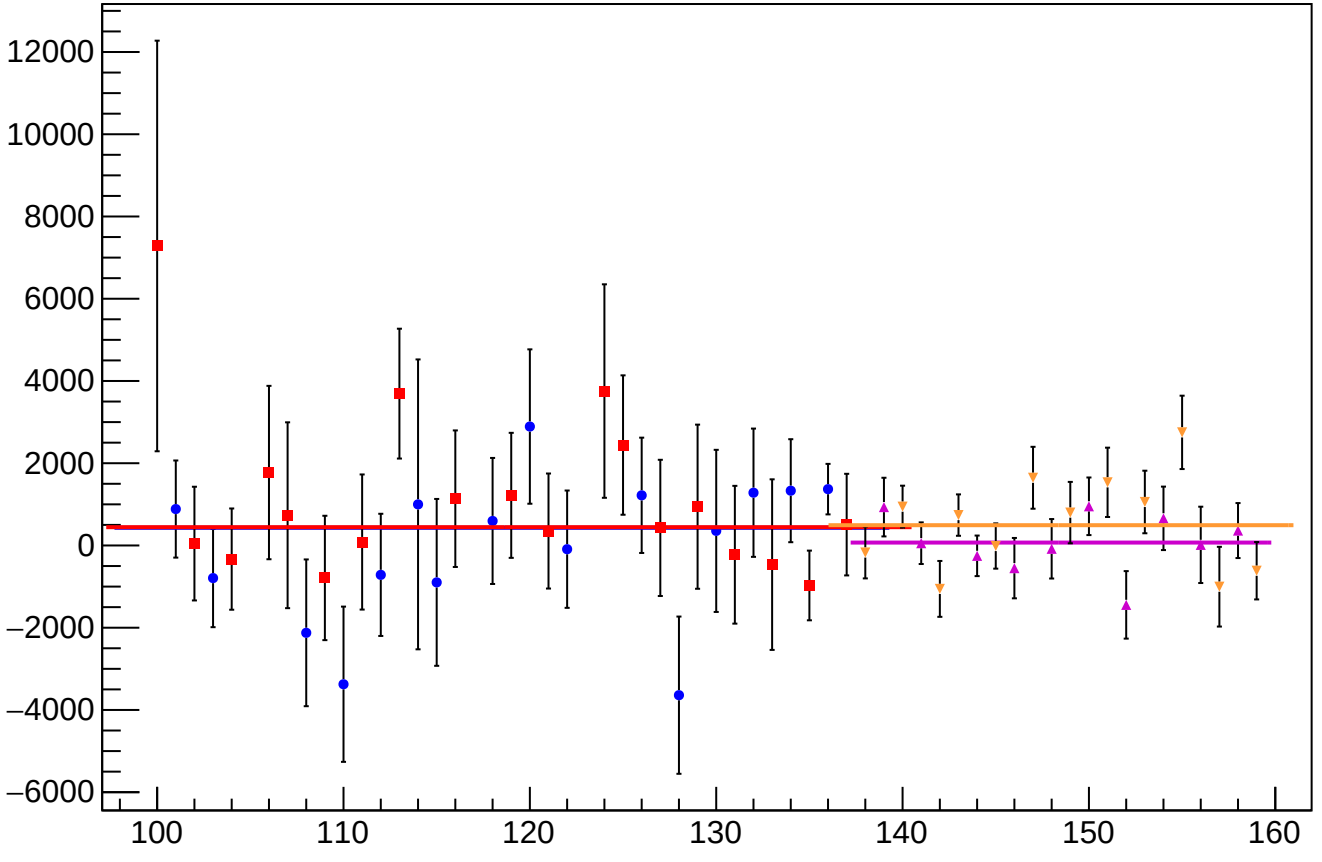
Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

+ sign 1330.568+/-0.232 χ^2/NDF: 769314.8/27

All: 1330.523+/-0.165 χ^2/NDF: 923375.5/56

- sign 1330.476+/-0.235 χ^2/NDF: 154060.7/28

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

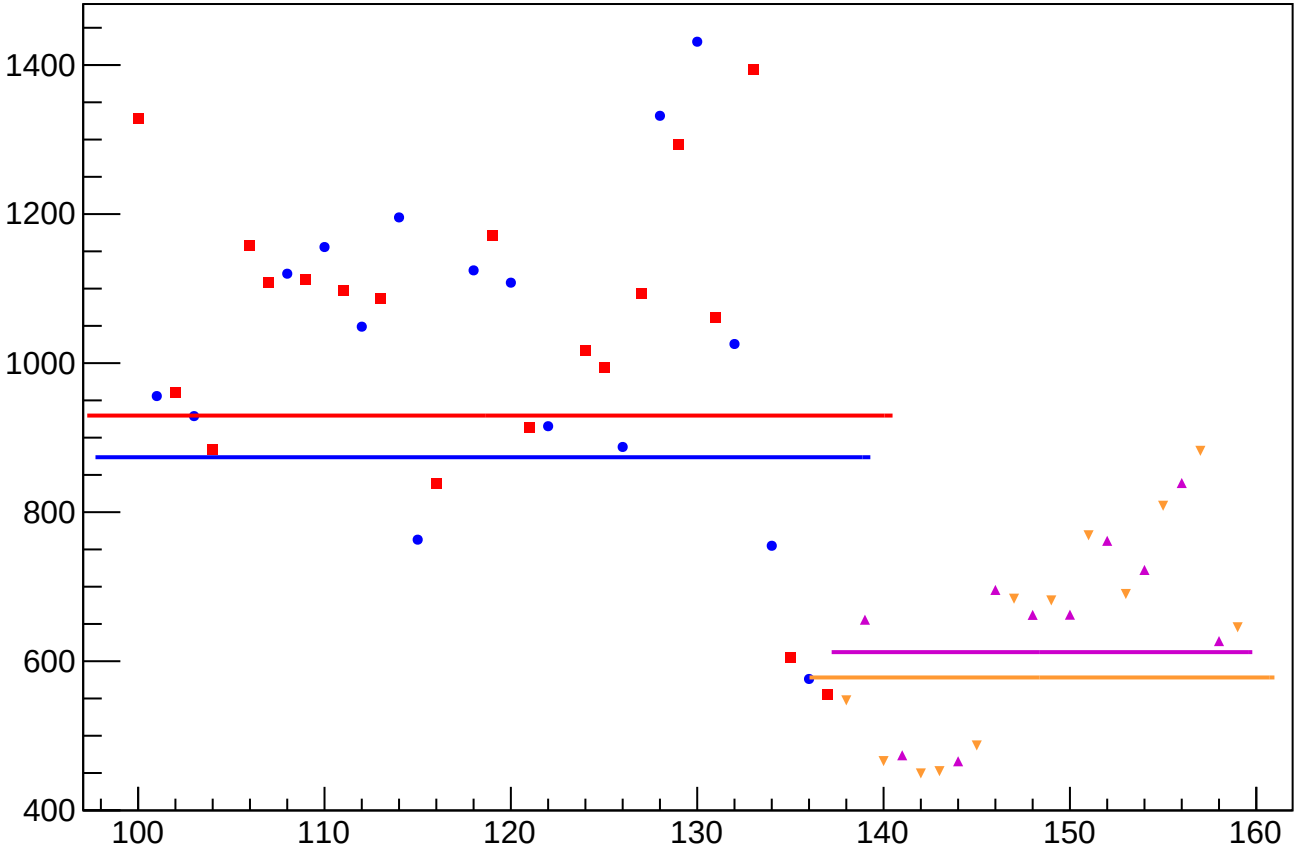
Left In: 70.416+/-211.514 χ^2/NDF:8.4/9

+ sign 477.604+/-167.657 χ^2/NDF: 42.3/27

All: 335.390+/-123.244 χ^2/NDF: 67.5/56

- sign 168.195+/-181.786 χ^2/NDF: 23.6/28

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

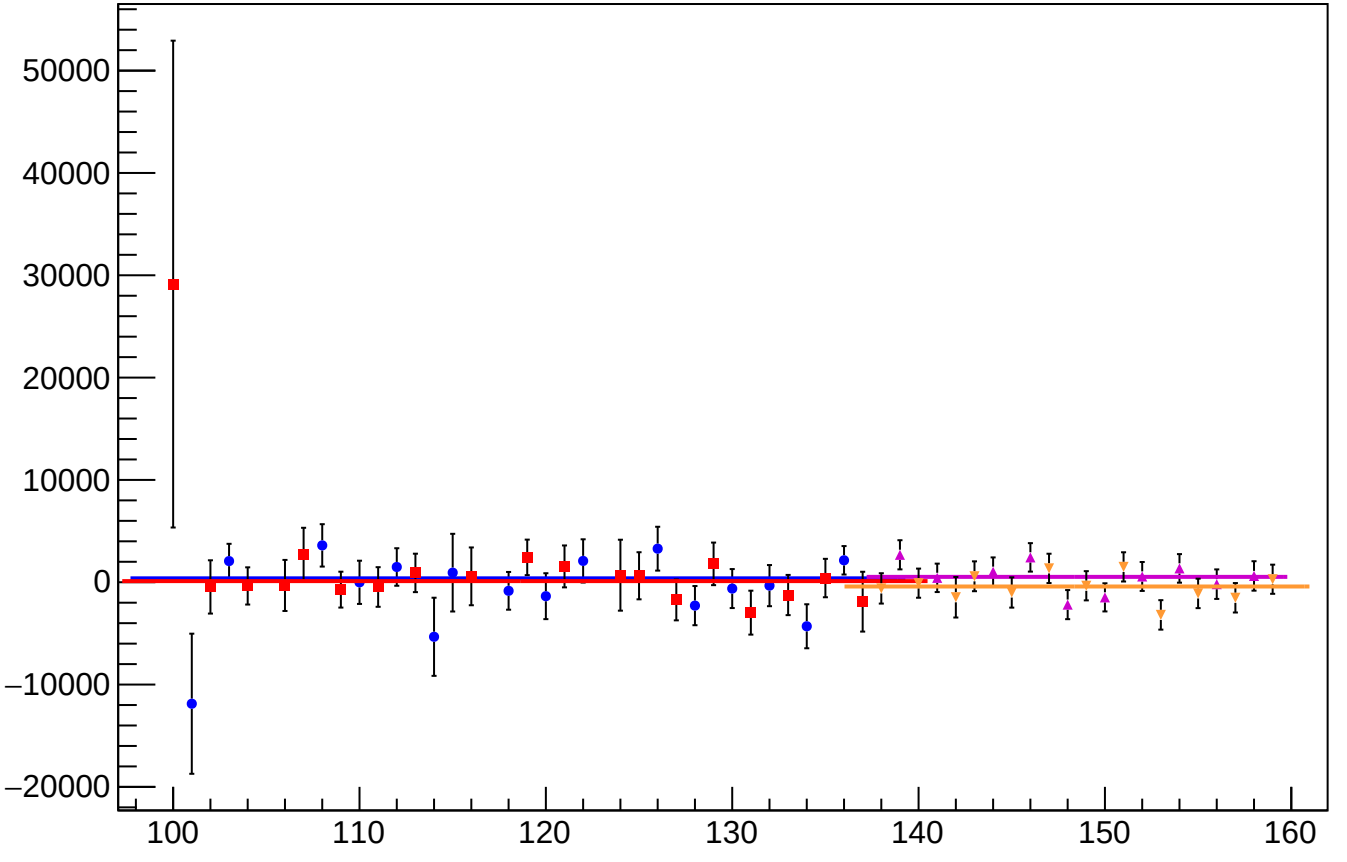
Left In: 612.194+/-0.150 χ^2/NDF:606792.6/9

+ sign 650.717+/-0.119 χ^2/NDF: 3091090.6/27

All: 671.142+/-0.087 χ^2/NDF: 5799719.3/56

- sign 695.156+/-0.129 χ^2/NDF: 2644045.2/28

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

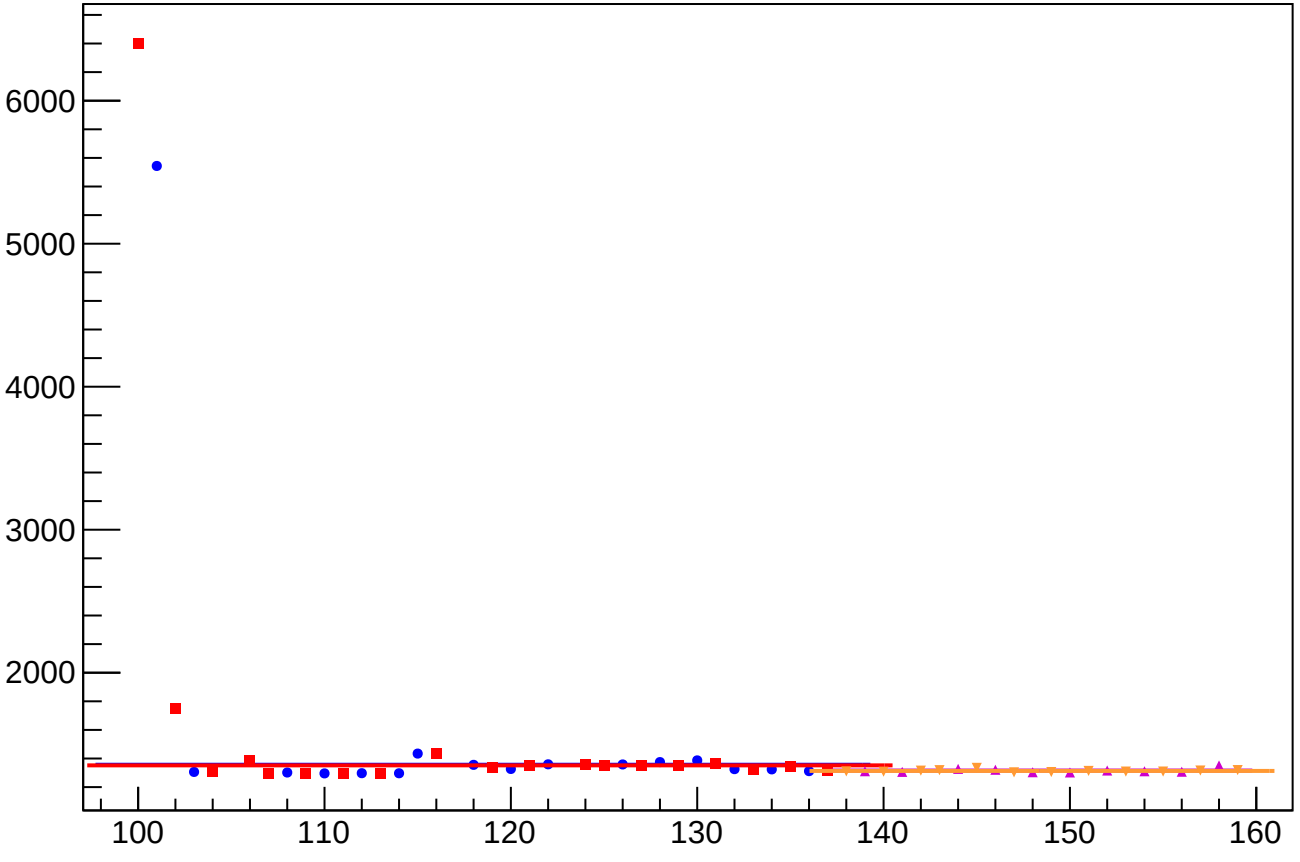
Left In: 525.114+/-445.494 χ^2/NDF:10.7/9

+ sign -95.045+/-328.484 χ^2/NDF: 32.0/27

All: 120.536+/-233.996 χ^2/NDF: 53.9/56

- sign 342.633+/-333.410 χ^2/NDF: 21.0/28

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

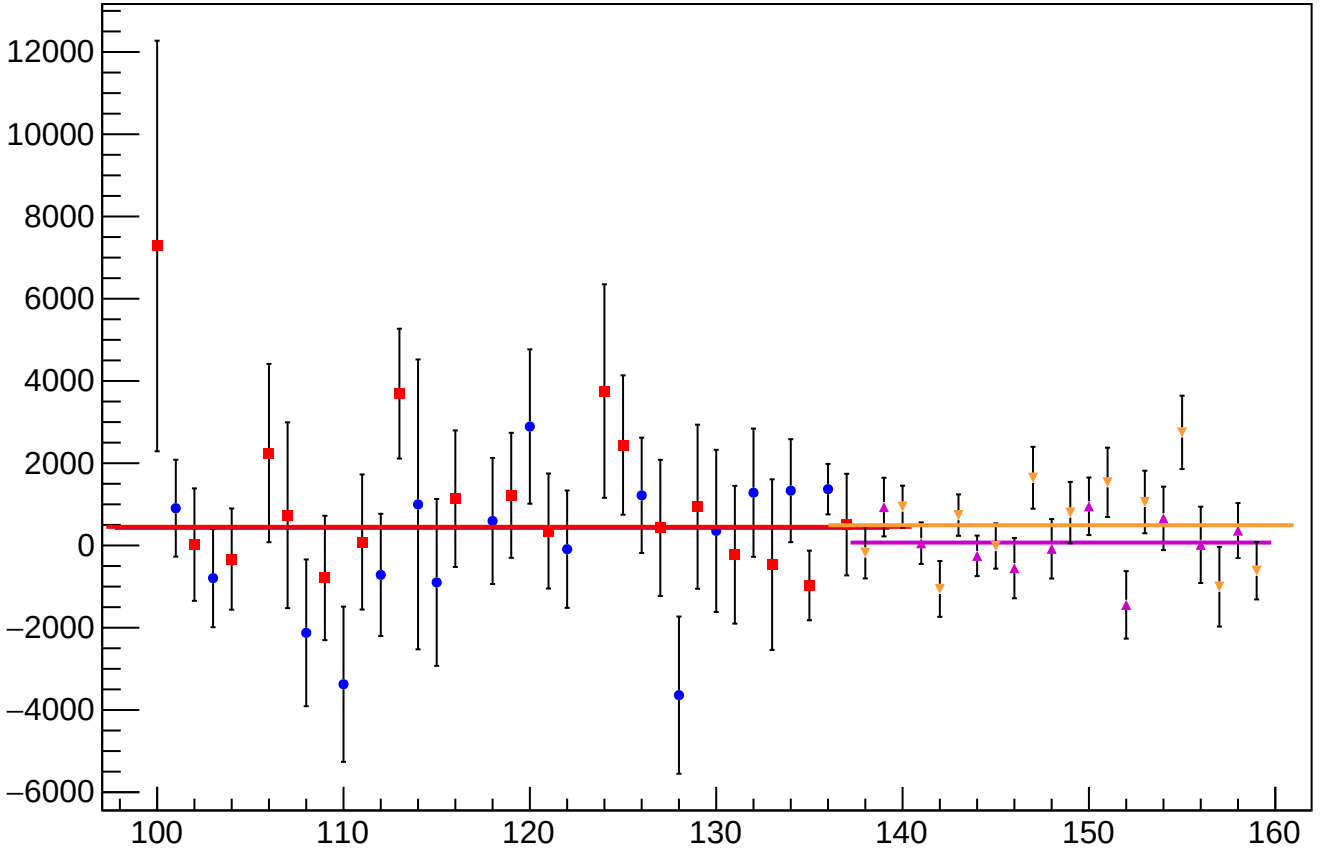
Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

+ sign 1330.568+/-0.232 χ^2/NDF: 769313.8/27

All: 1331.169+/-0.165 χ^2/NDF: 924386.2/56

- sign 1331.788+/-0.236 χ^2/NDF: 155058.9/28

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

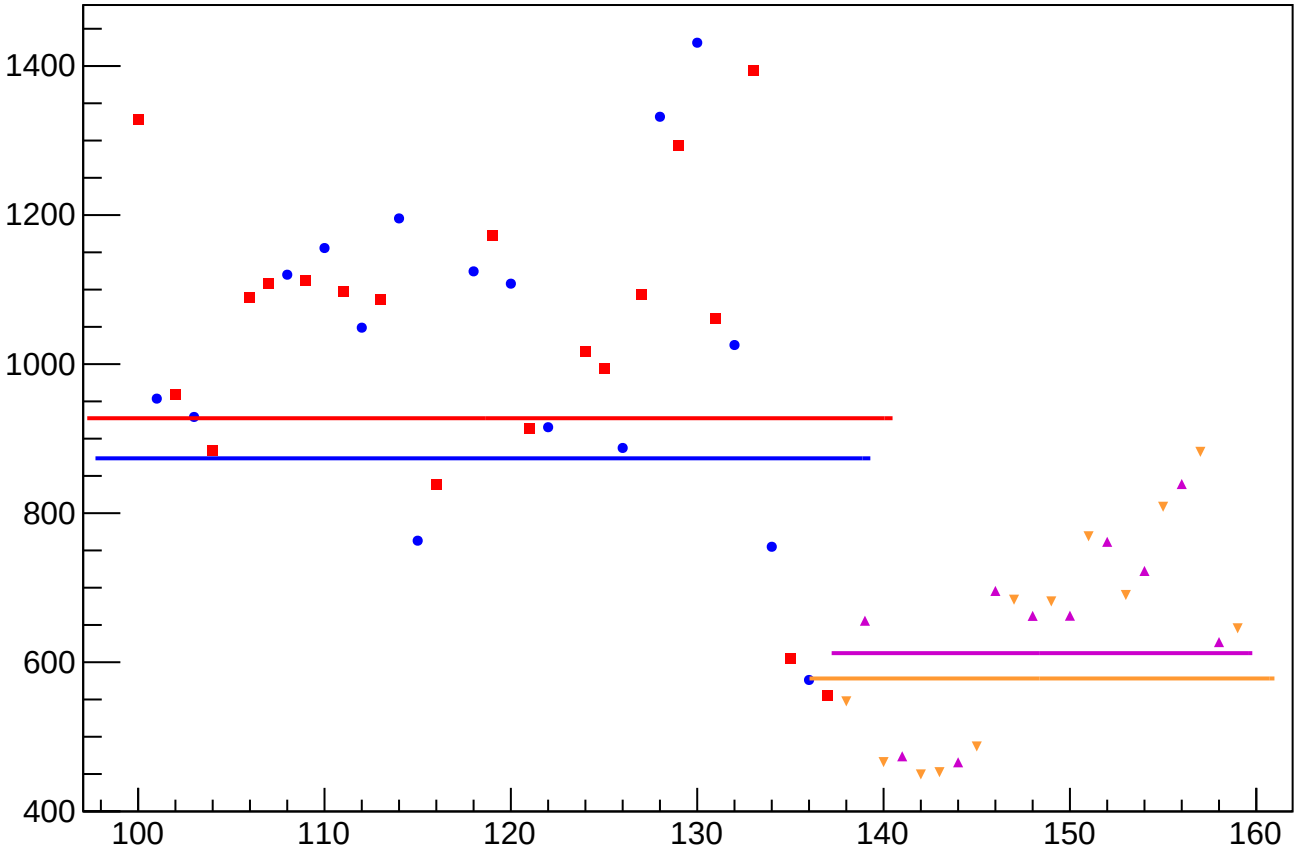
Left In: 70.358+/-211.512 χ^2/NDF:8.4/9

+ sign 477.980+/-167.650 χ^2/NDF: 42.3/27

All: 336.596+/-123.241 χ^2/NDF: 67.9/56

- sign 170.366+/-181.785 χ^2/NDF: 24.0/28

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

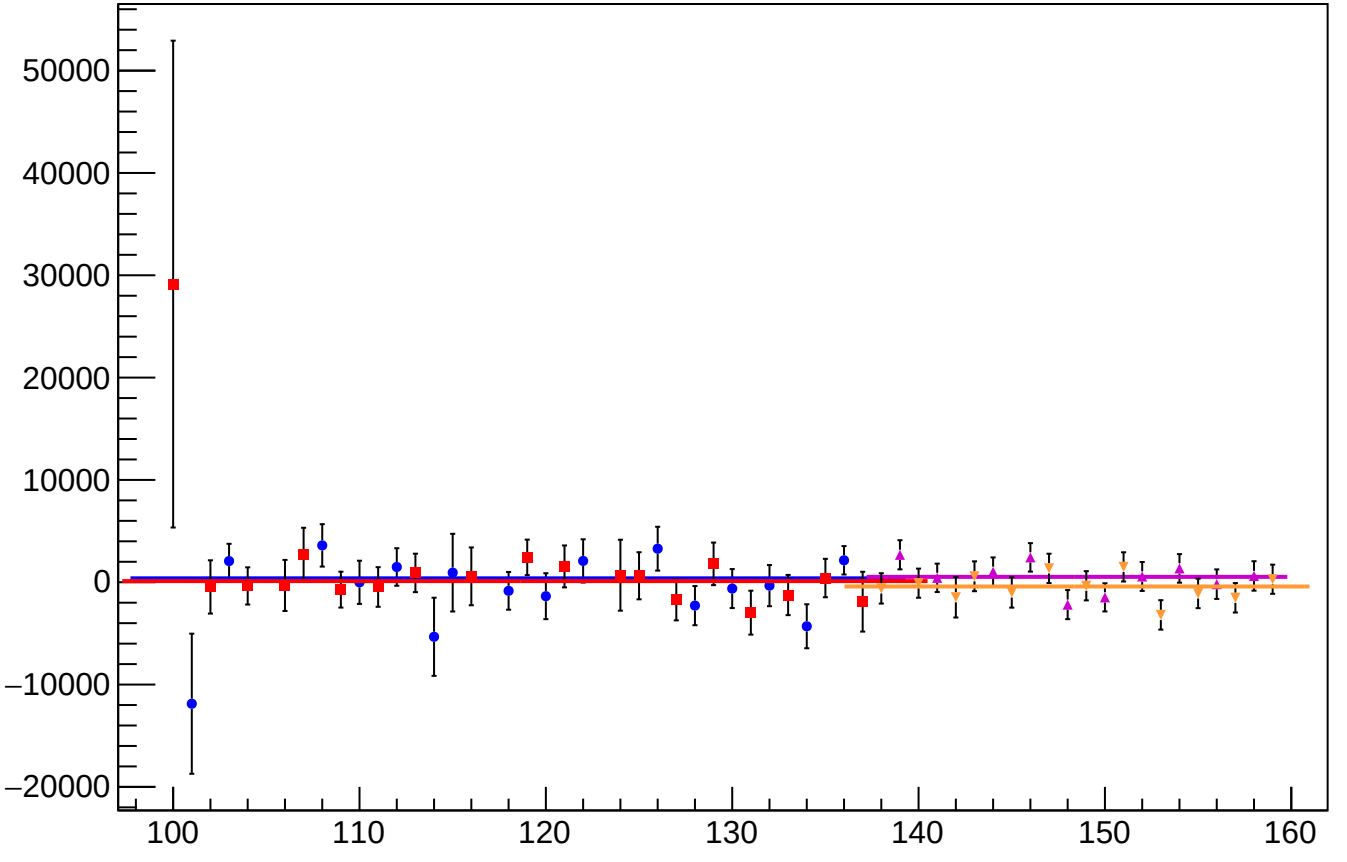
Left In: 612.186+/-0.150 χ^2/NDF:606847.9/9

+ sign 650.707+/-0.119 χ^2/NDF: 3089878.0/27

All: 670.864+/-0.087 χ^2/NDF: 5767892.4/56

- sign 694.564+/-0.129 χ^2/NDF: 2615105.8/28

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

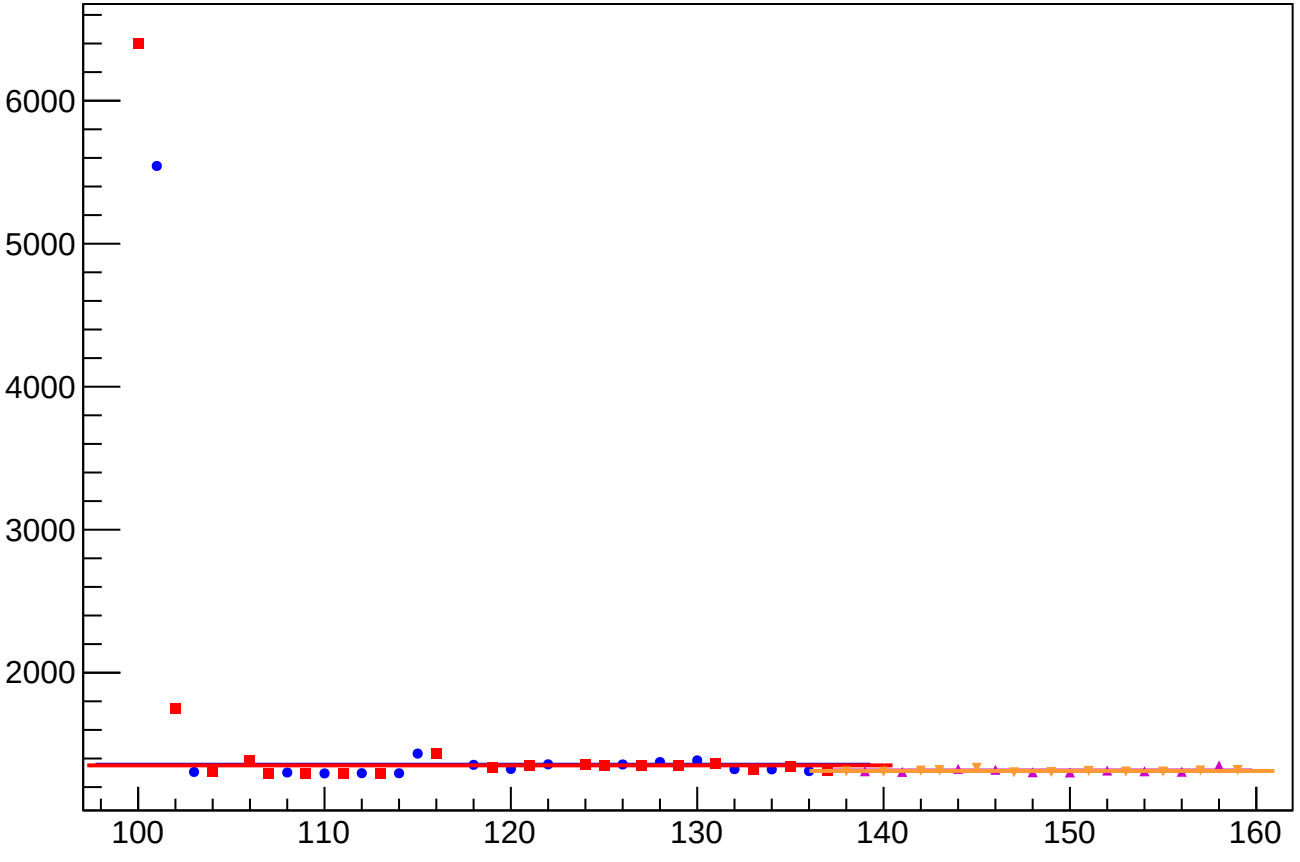
Left In: 525.114+/-445.494 χ^2/NDF:10.7/9

+ sign -95.045+/-328.484 χ^2/NDF: 32.0/27

All: 120.536+/-233.996 χ^2/NDF: 53.9/56

- sign 342.633+/-333.410 χ^2/NDF: 21.0/28

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

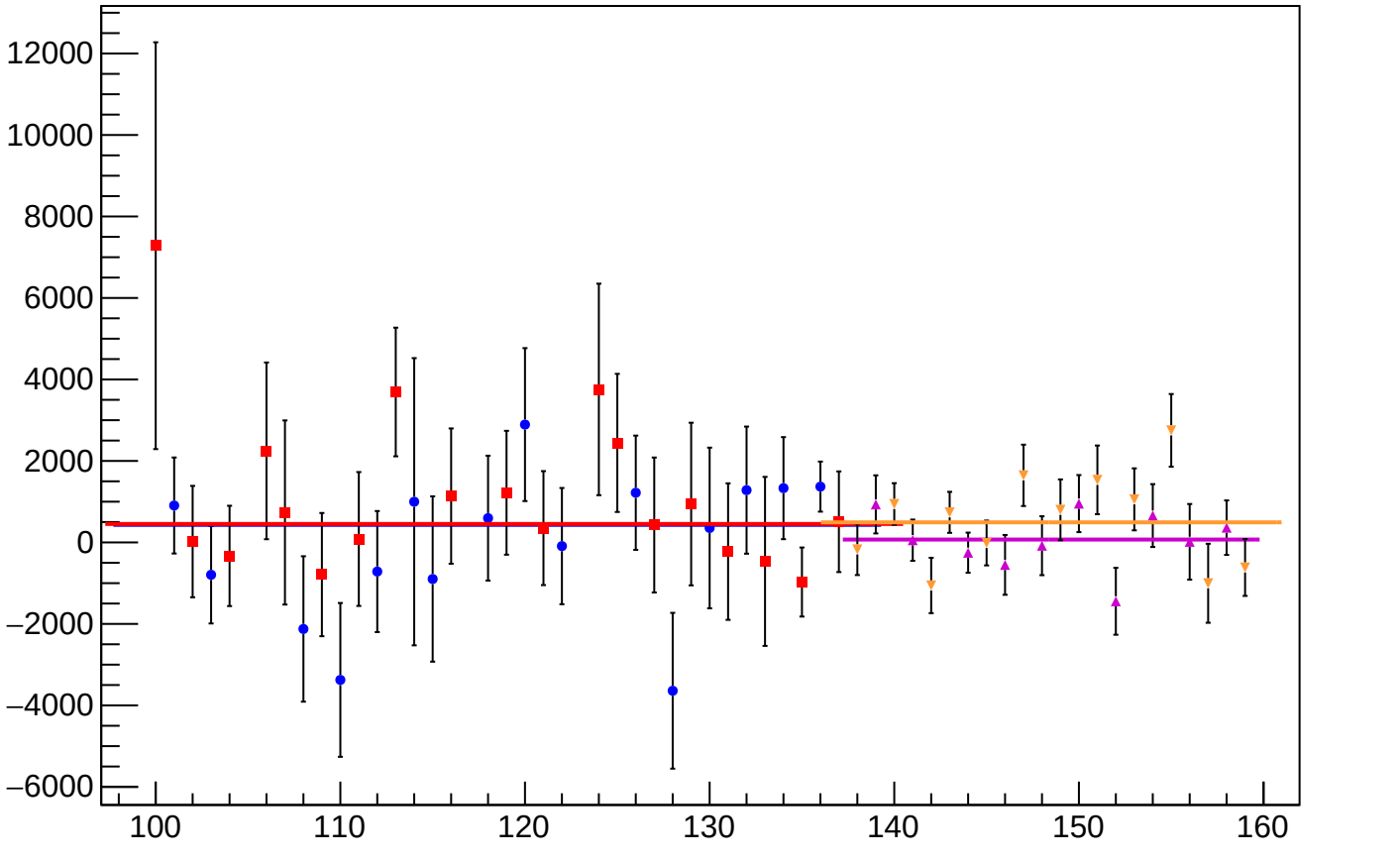
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.848+/-0.315 χ^2/NDF:1911.9/9

+ sign 1330.568+/-0.232 χ^2/NDF: 769313.8/27

All: 1331.169+/-0.165 χ^2/NDF: 924386.2/56

- sign 1331.788+/-0.236 χ^2/NDF: 155058.9/28



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 492.892+/-193.000 χ^2/NDF:24.1/11

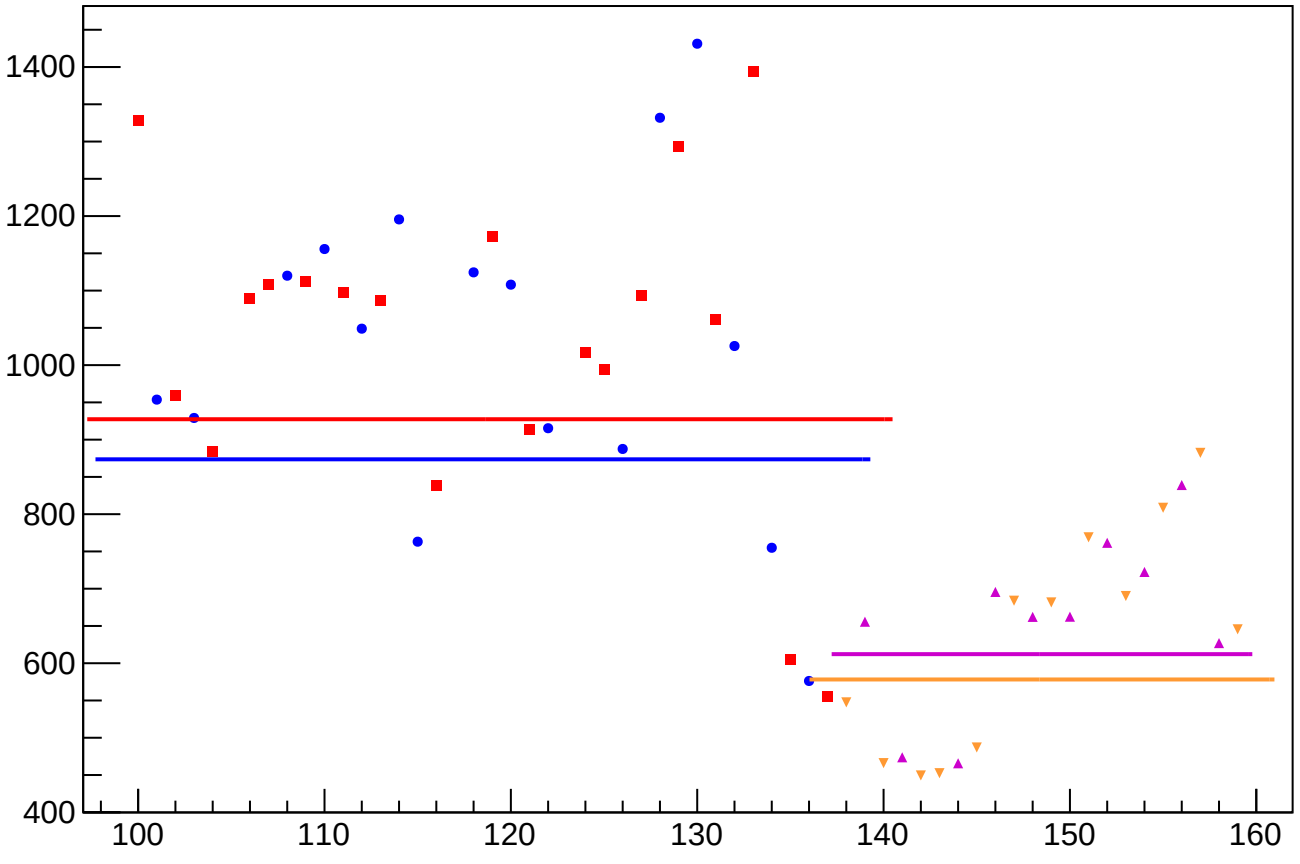
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 70.358+/-211.512 χ^2/NDF:8.4/9

+ sign 477.980+/-167.650 χ^2/NDF: 42.3/27

All: 336.596+/-123.241 χ^2/NDF: 67.9/56

- sign 170.366+/-181.785 χ^2/NDF: 24.0/28



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

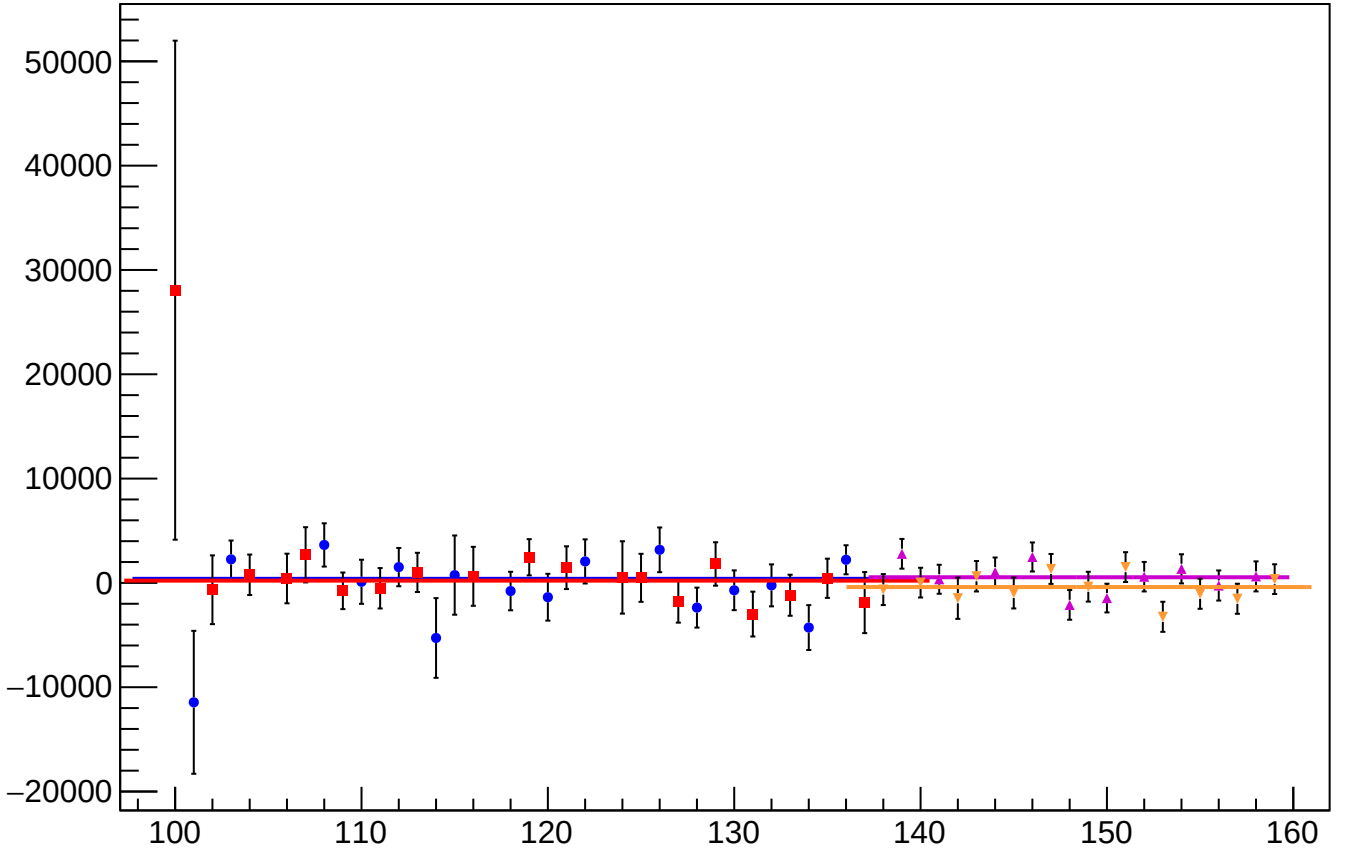
Left In: 612.186+/-0.150 χ^2/NDF:606847.9/9

\+ sign 650.707+/-0.119 χ^2/NDF: 3089878.0/27

All: 670.864+/-0.087 χ^2/NDF: 5767892.4/56

\- sign 694.564+/-0.129 χ^2/NDF: 2615105.8/28

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

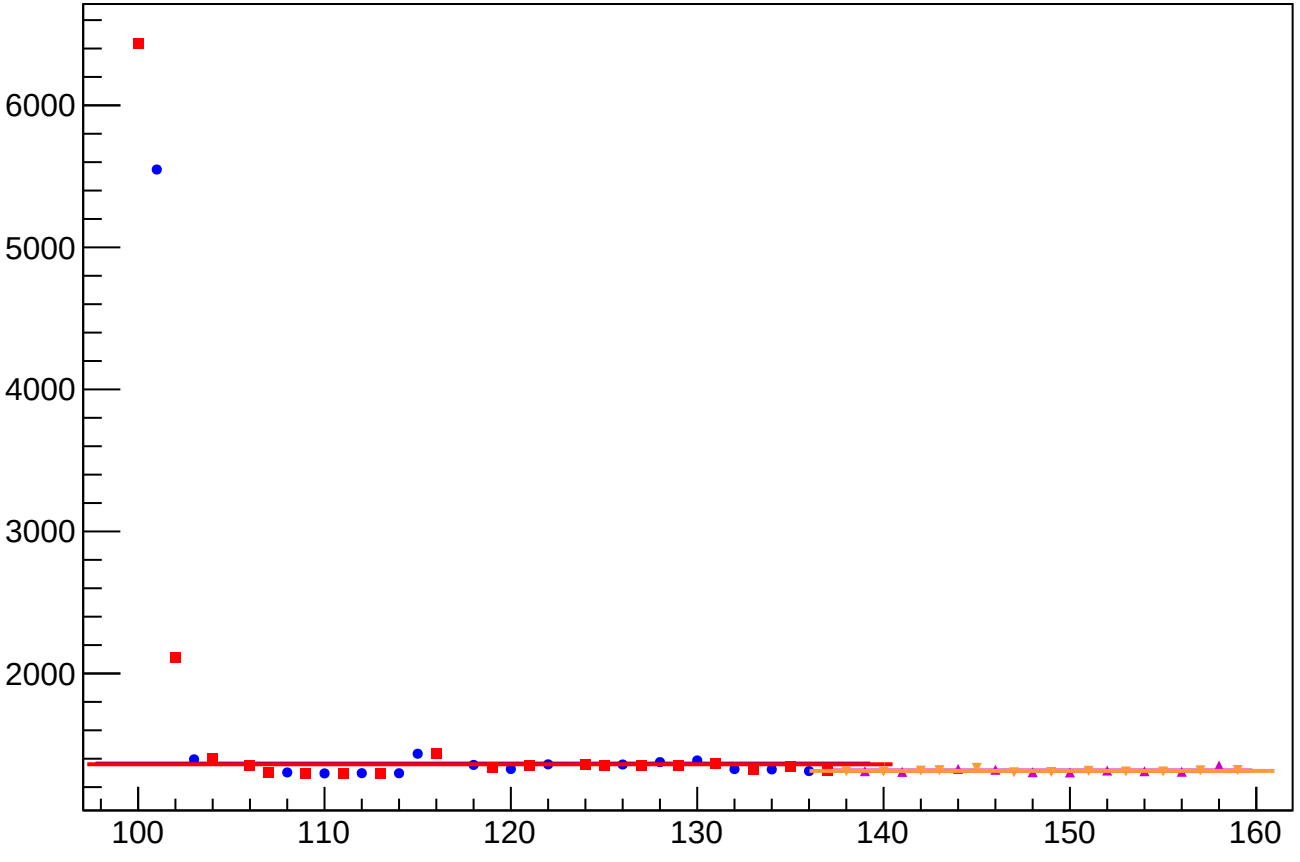
Left In: 541.445+/-445.796 χ^2/NDF:10.8/9

+ sign -83.010+/-329.489 χ^2/NDF: 32.1/27

All: 154.838+/-234.926 χ^2/NDF: 54.2/56

- sign 400.784+/-335.051 χ^2/NDF: 21.0/28

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

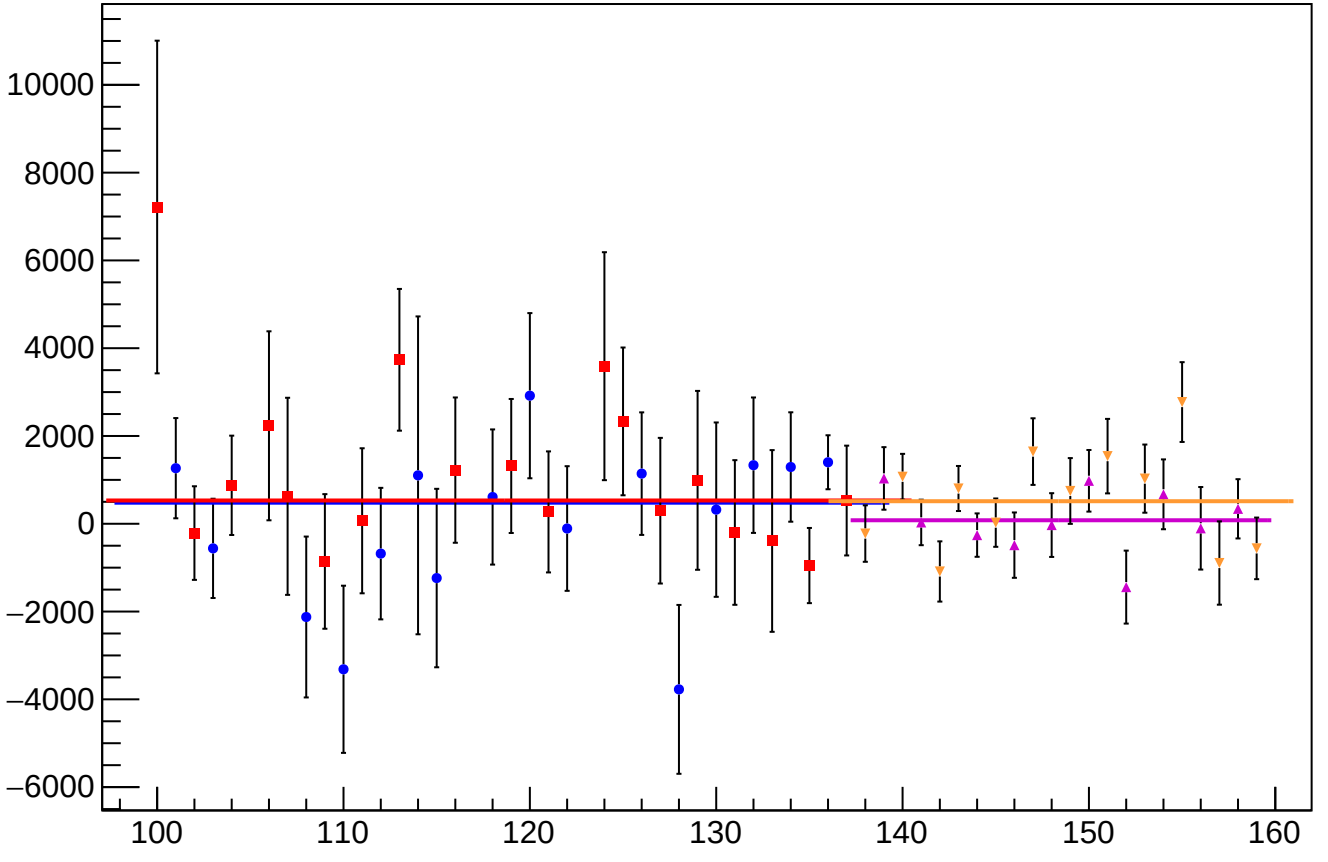
Left In: 1316.740+/-0.315 χ^2/NDF:1911.0/9

+ sign 1334.605+/-0.233 χ^2/NDF: 771222.0/27

All: 1335.241+/-0.166 χ^2/NDF: 986953.1/56

- sign 1335.899+/-0.237 χ^2/NDF: 215716.0/28

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

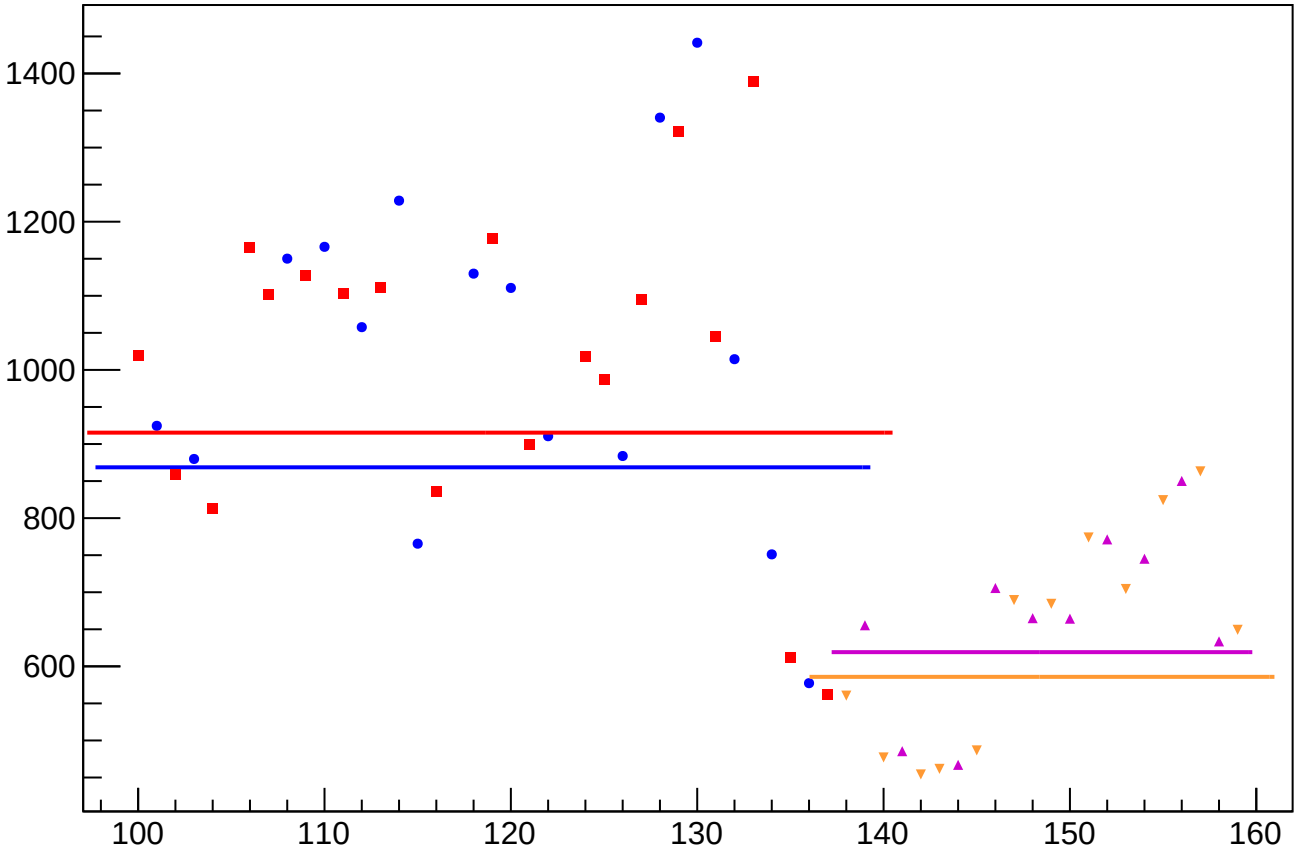
Left In: 79.839+/-213.866 χ^2/NDF:8.6/9

+ sign 505.441+/-168.916 χ^2/NDF: 42.6/27

All: 366.064+/-123.788 χ^2/NDF: 69.5/56

- sign 204.375+/-181.934 χ^2/NDF: 25.5/28

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

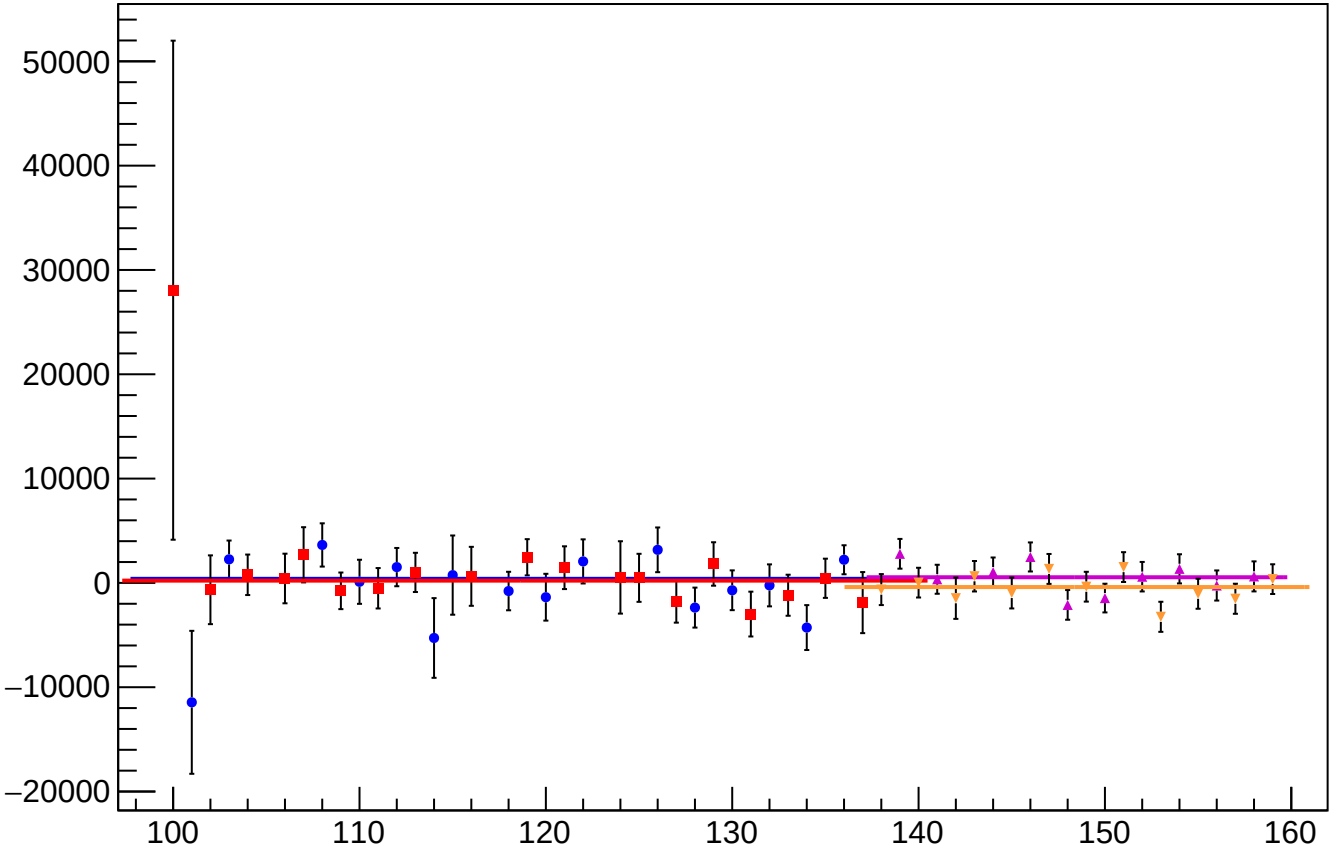
Left In: 619.165+/-0.151 χ^2/NDF:609435.1/9

+ sign 657.068+/-0.119 χ^2/NDF: 2964320.2/27

All: 677.411+/-0.088 χ^2/NDF: 5555344.6/56

- sign 701.010+/-0.129 χ^2/NDF: 2528366.0/28

eigen_dit_asym_usr_atr1_dd_mean vs Slug



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

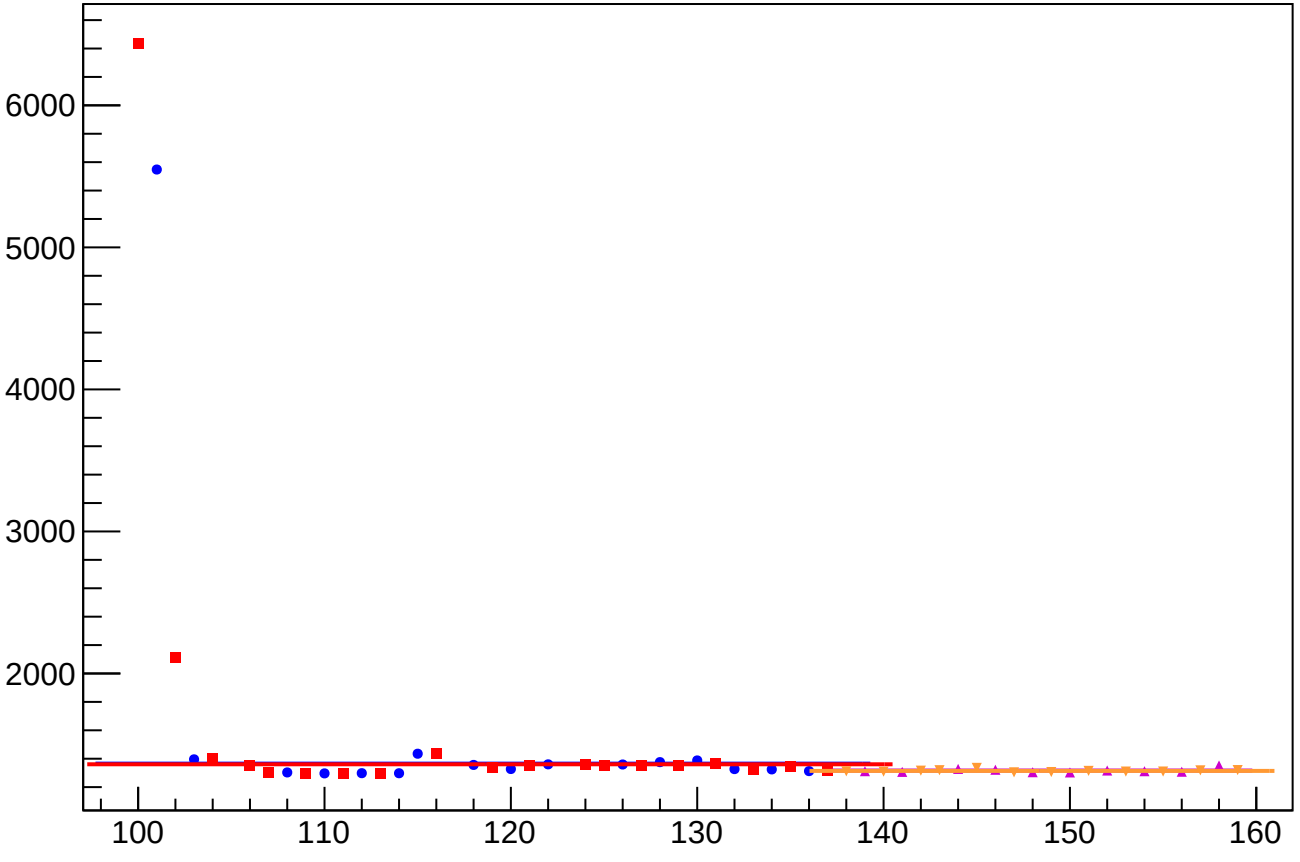
Left In: 541.444+/-445.796 χ^2/NDF:10.8/9

+ sign -83.011+/-329.489 χ^2/NDF: 32.1/27

All: 154.837+/-234.926 χ^2/NDF: 54.2/56

- sign 400.783+/-335.051 χ^2/NDF: 21.0/28

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

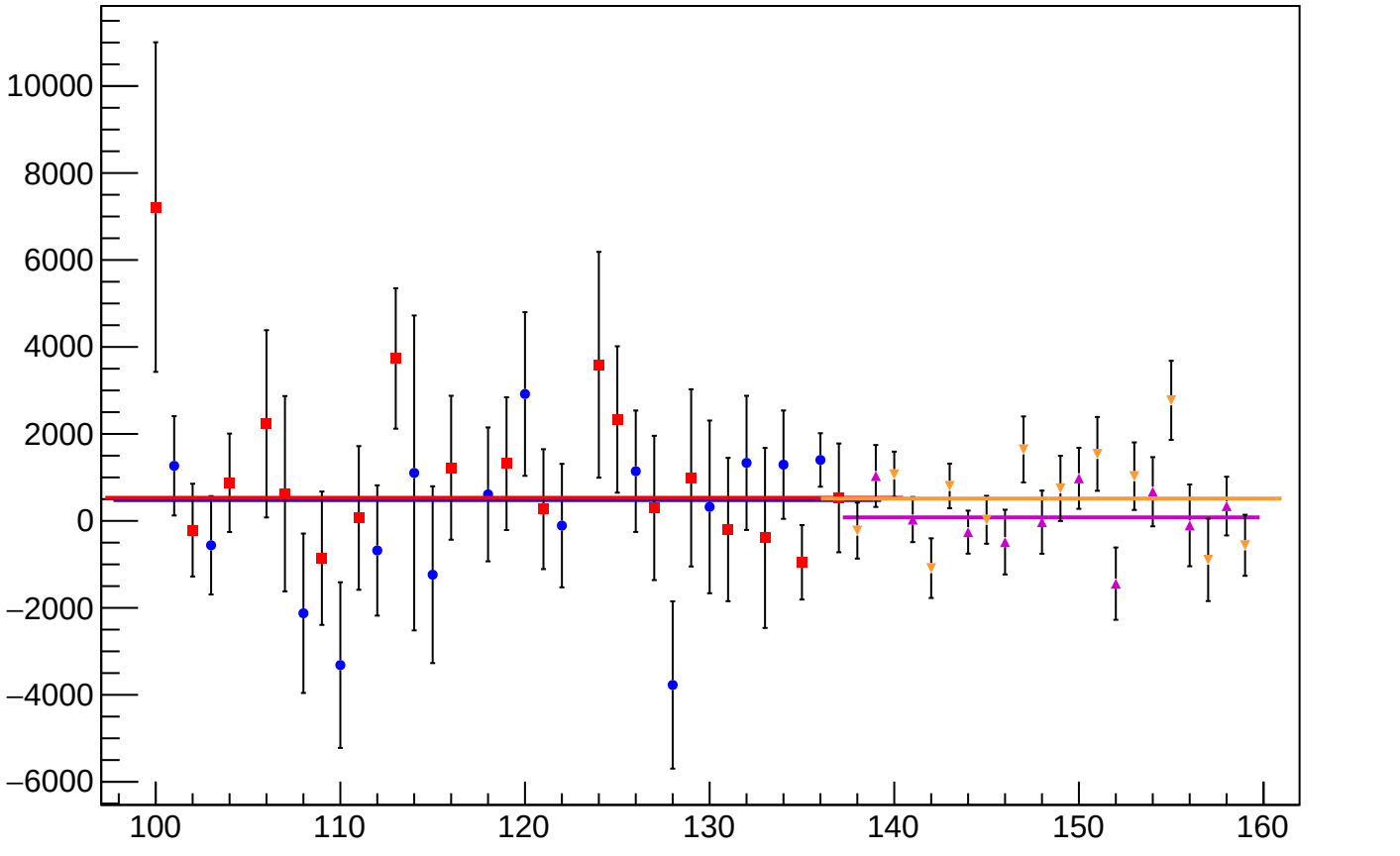
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.740+/-0.315 χ^2/NDF:1911.0/9

+ sign 1334.604+/-0.233 χ^2/NDF: 771221.9/27

All: 1335.241+/-0.166 χ^2/NDF: 986953.0/56

- sign 1335.899+/-0.237 χ^2/NDF: 215715.9/28



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 513.875+/-195.301 χ^2/NDF:23.9/11

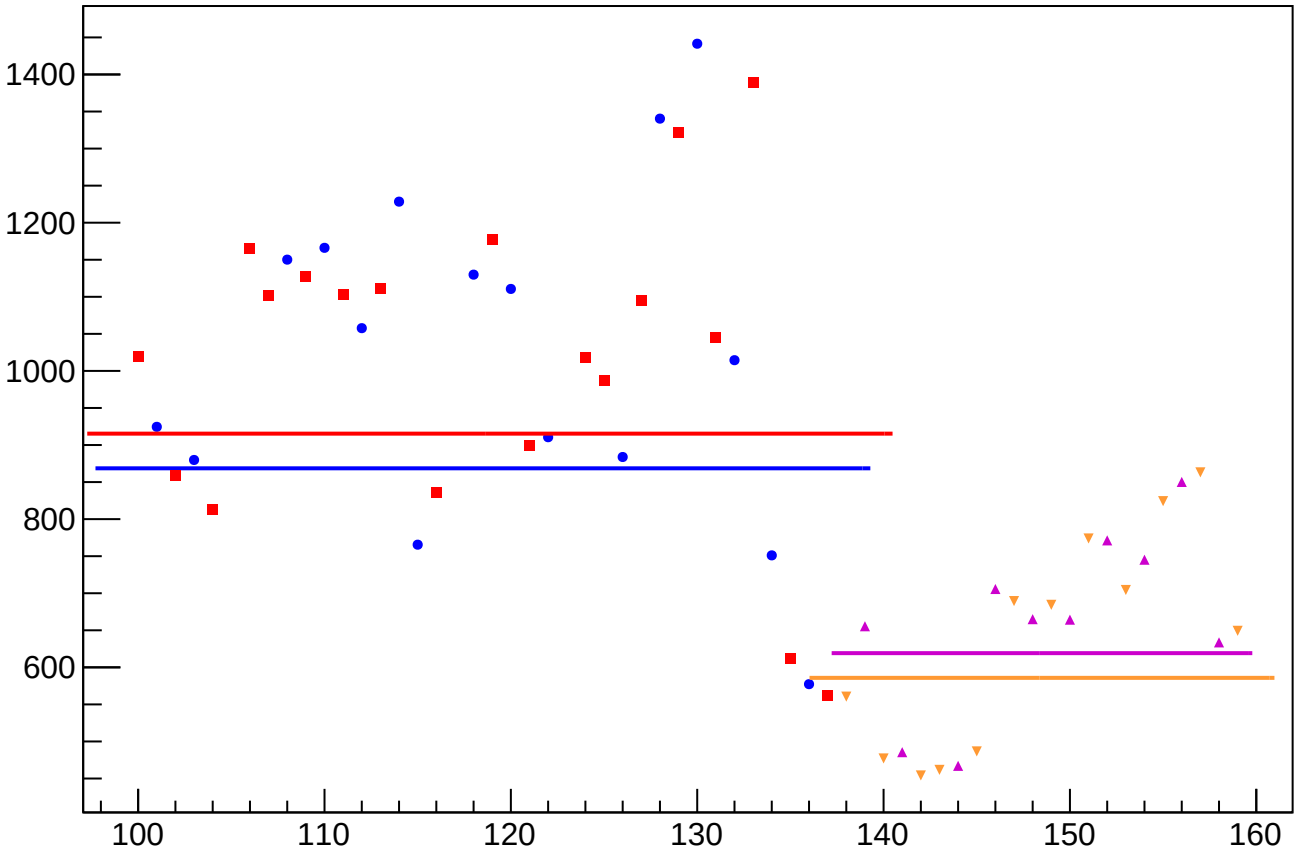
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 79.839+/-213.866 χ^2/NDF:8.6/9

\+ sign 505.441+/-168.916 χ^2/NDF: 42.6/27

All: 366.064+/-123.788 χ^2/NDF: 69.5/56

\- sign 204.375+/-181.934 χ^2/NDF: 25.5/28



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

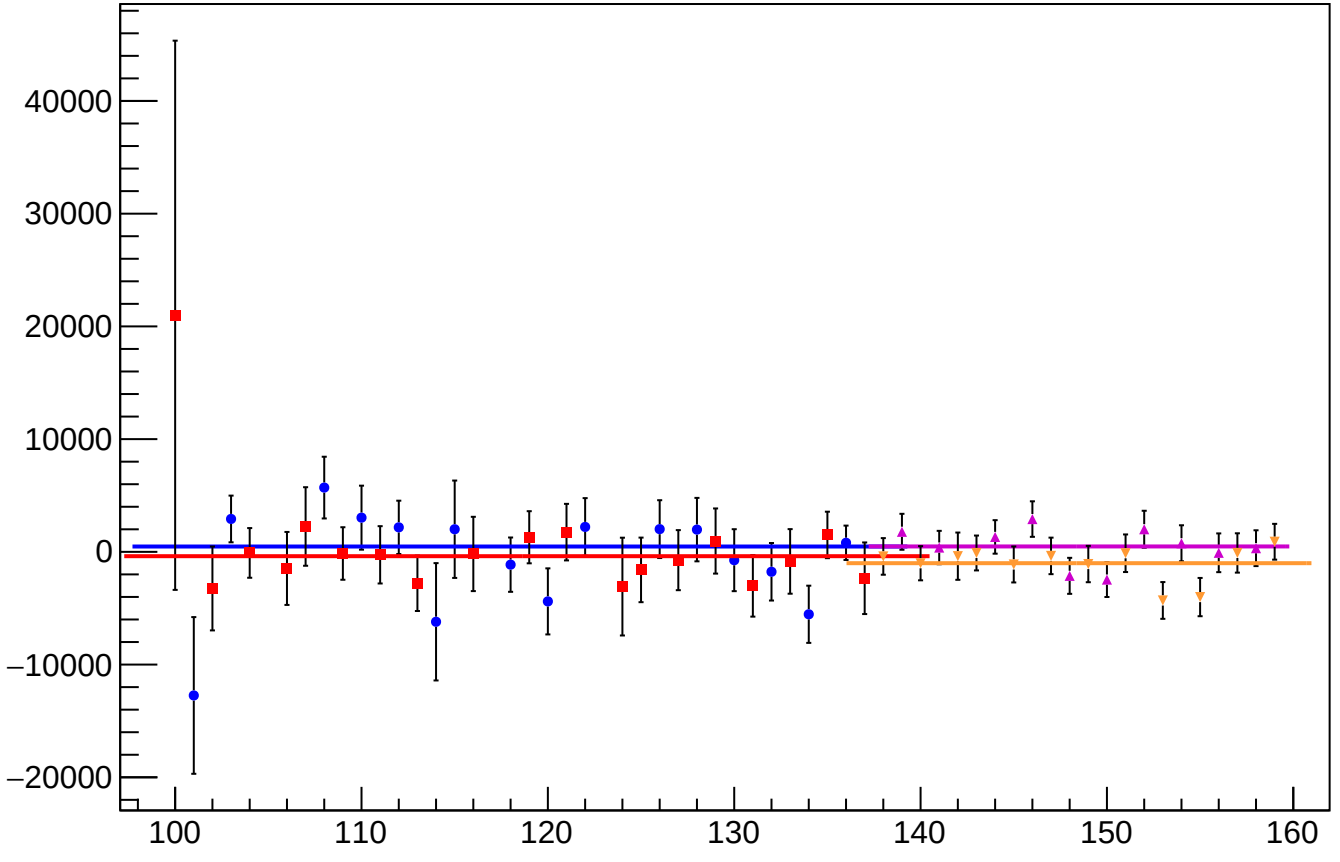
Left In: 619.166+/-0.151 χ^2/NDF:609440.8/9

\+ sign 657.068+/-0.119 χ^2/NDF: 2964318.0/27

All: 677.411+/-0.088 χ^2/NDF: 5555332.9/56

\- sign 701.011+/-0.129 χ^2/NDF: 2528354.2/28

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

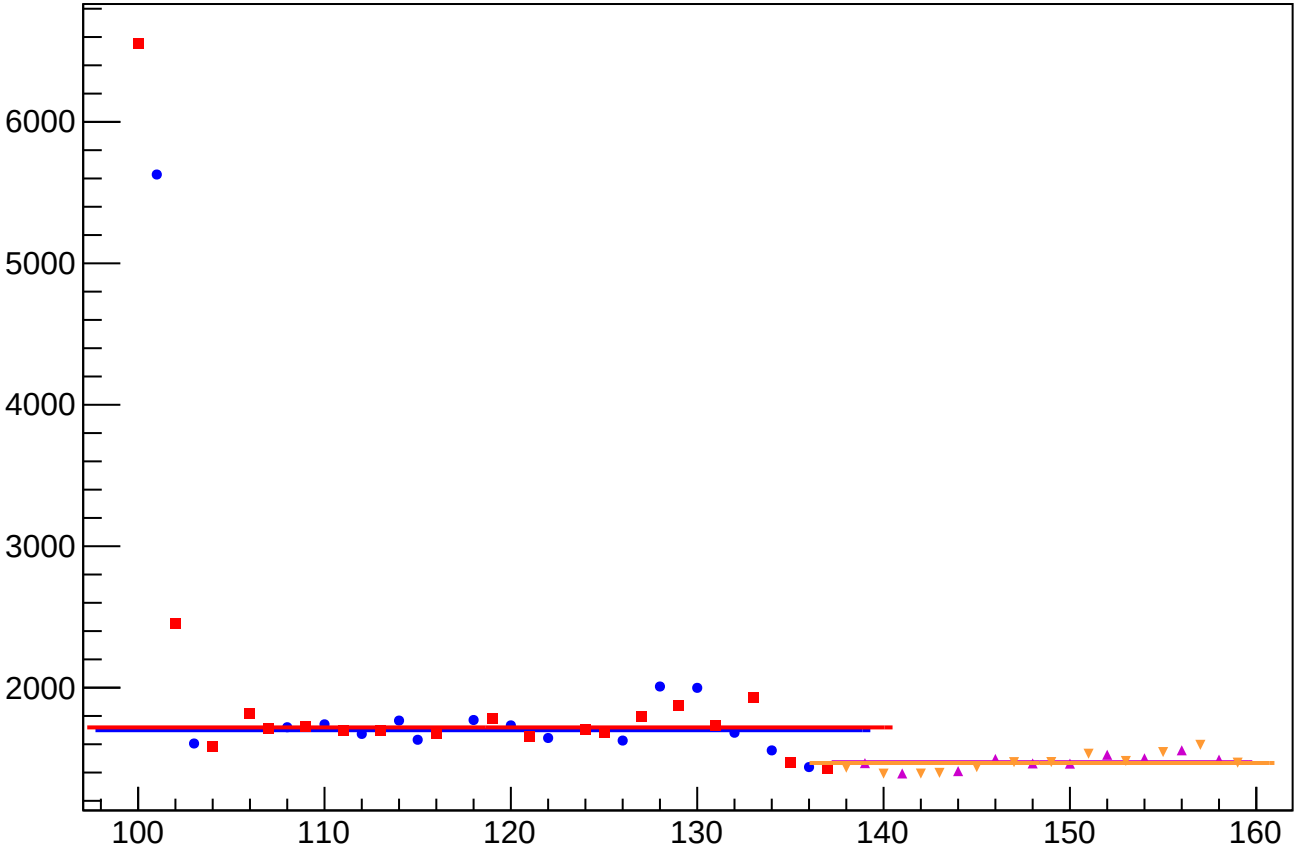
Left In: 479.407+/-499.088 χ^2/NDF:10.7/9

\+ sign -489.133+/-383.541 χ^2/NDF: 36.0/27

All: -176.303+/-274.837 χ^2/NDF: 56.5/56

\- sign 153.868+/-394.028 χ^2/NDF: 19.1/28

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

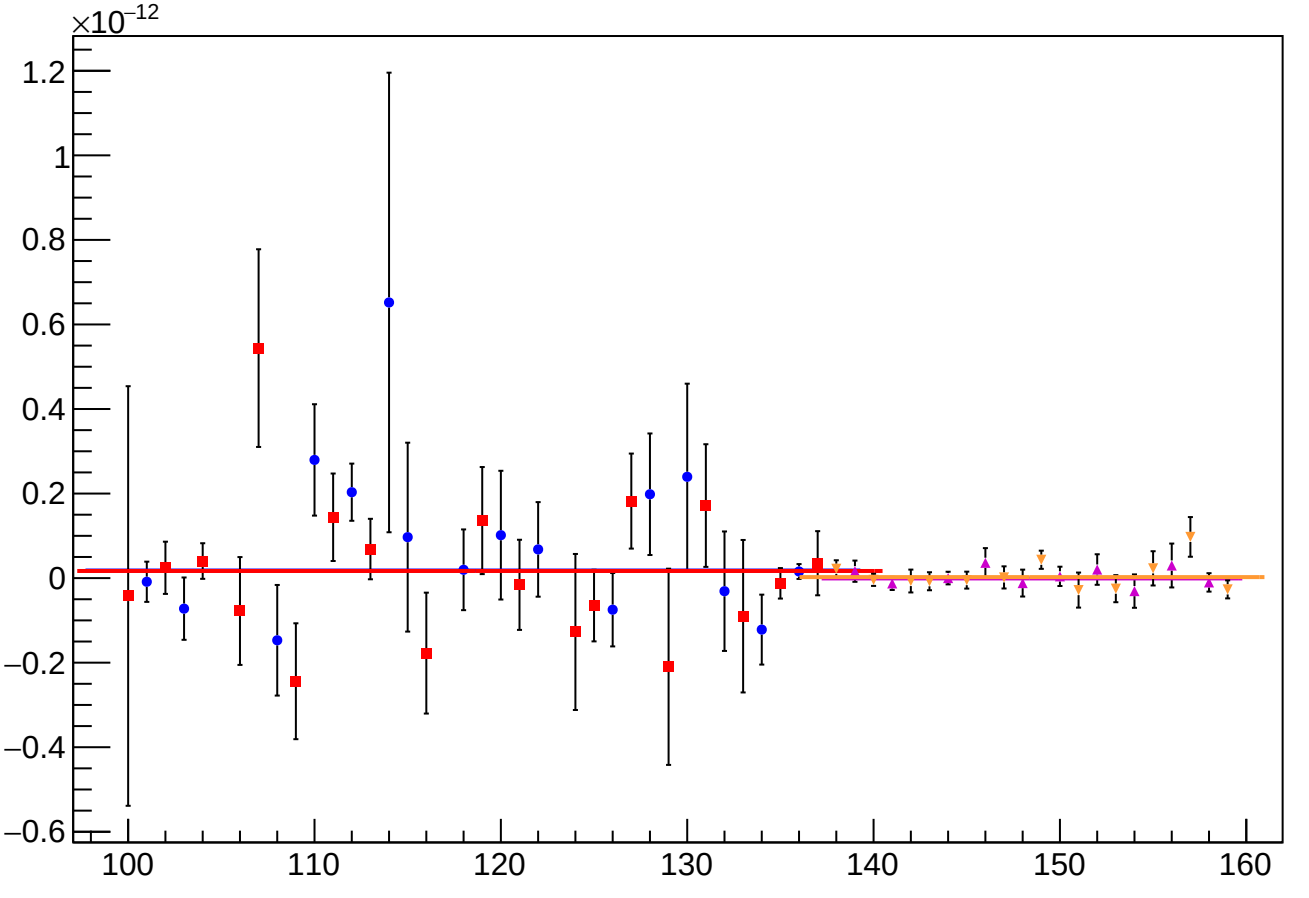
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1473.341+/-0.353 χ^2/NDF:17683.2/9

+ sign 1548.446+/-0.271 χ^2/NDF: 959335.6/27

All: 1556.947+/-0.194 χ^2/NDF: 1395472.1/56

- sign 1565.919+/-0.279 χ^2/NDF: 434117.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/11

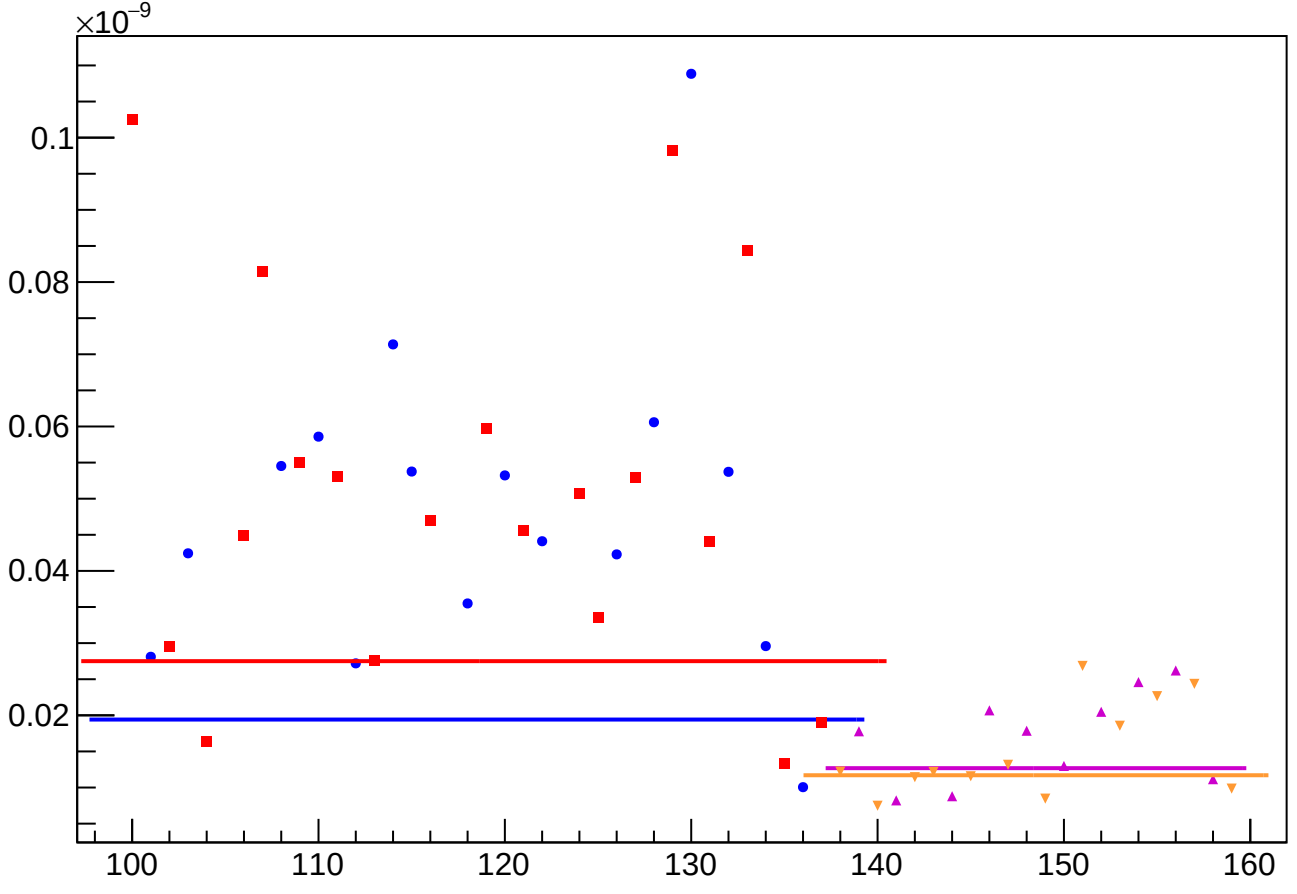
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/27

All: 0.000+/-0.000 χ^2/NDF: 63.3/56

- sign 0.000+/-0.000 χ^2/NDF: 25.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:892317.6/11

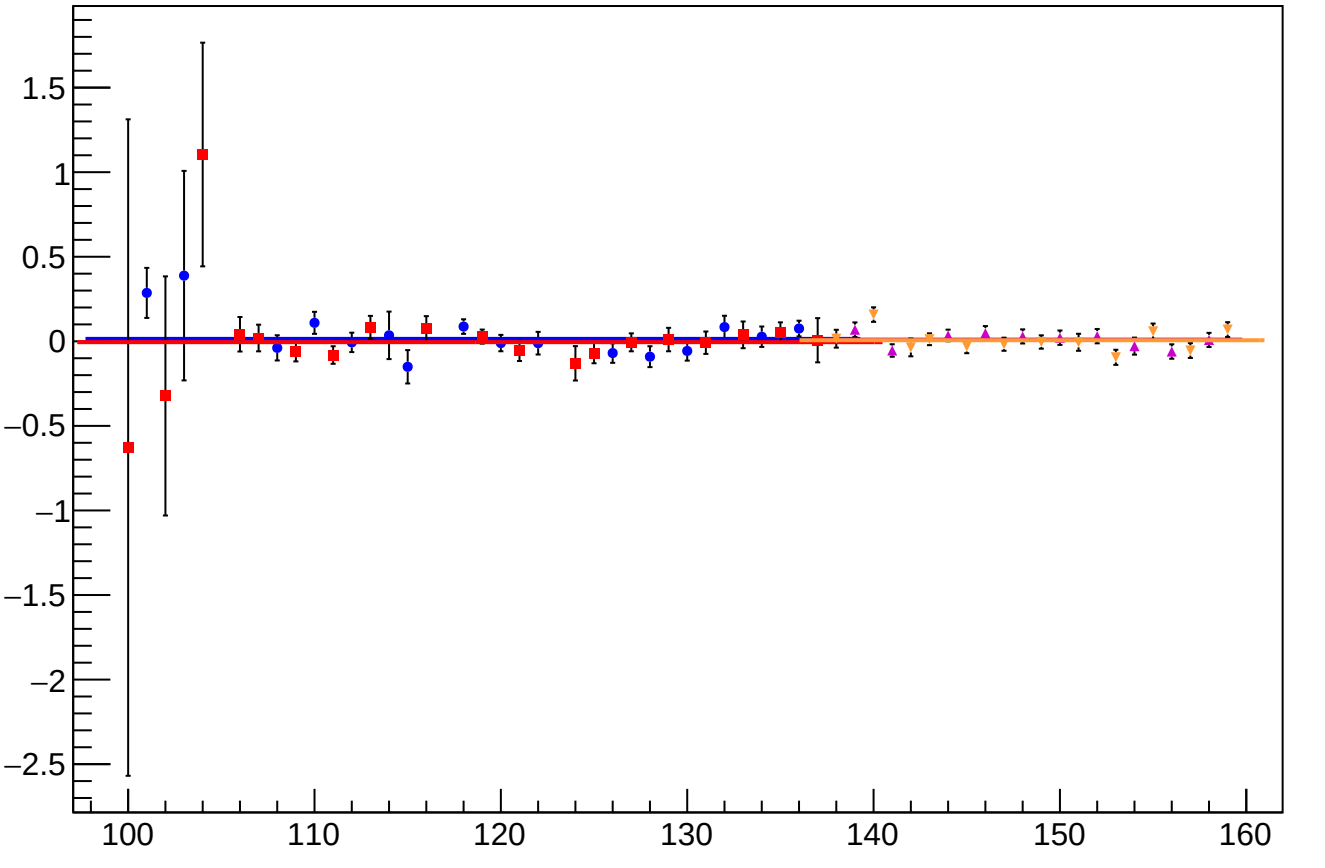
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:964159.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 3638276.8/27

All: 0.000+/-0.000 χ^2/NDF: 7351690.6/56

- sign 0.000+/-0.000 χ^2/NDF: 3657257.0/28



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

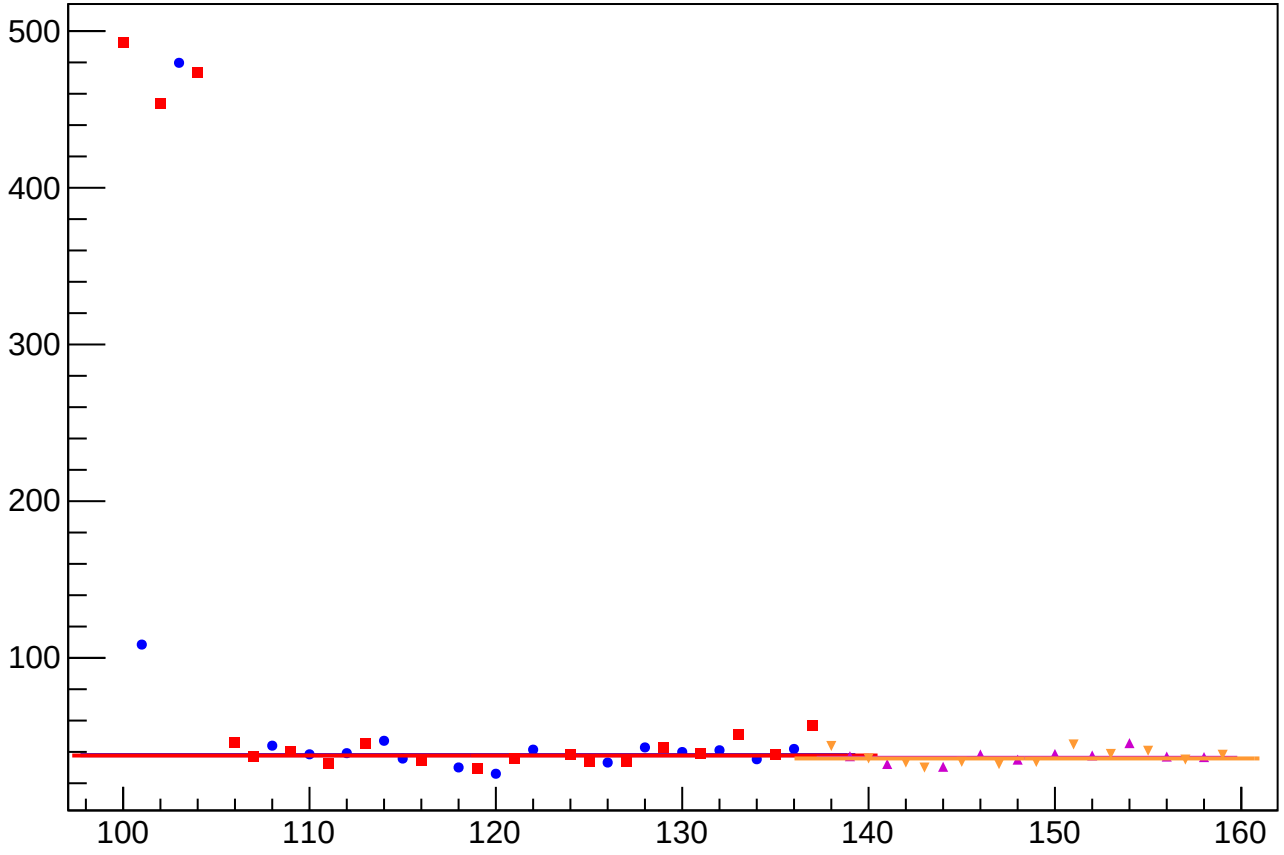
Left In: 0.010+/-0.013 χ^2/NDF:10.0/9

+ sign 0.009+/-0.010 χ^2/NDF: 47.1/27

All: 0.007+/-0.007 χ^2/NDF: 72.6/56

- sign 0.004+/-0.010 χ^2/NDF: 25.4/28

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

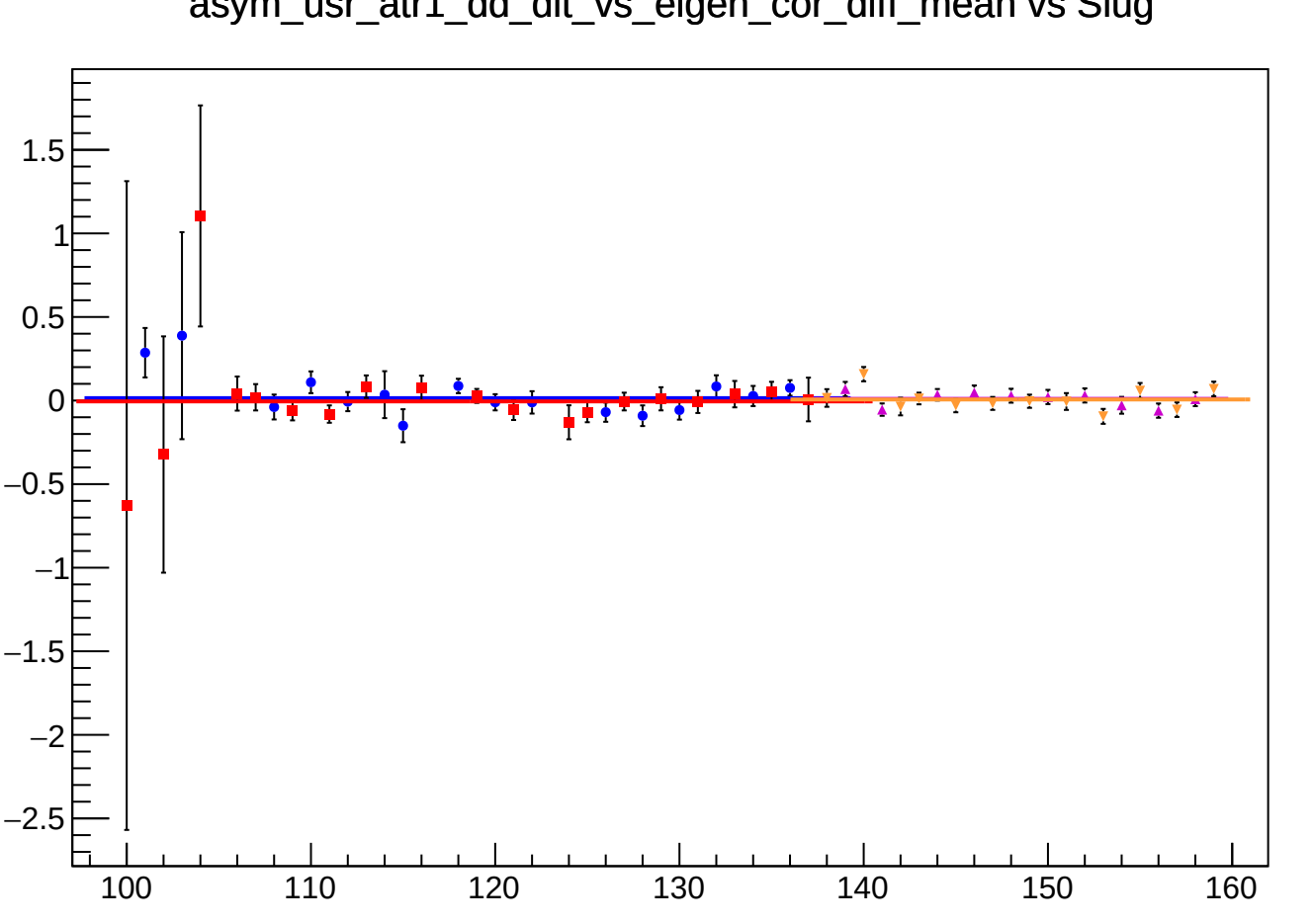
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.241+/-0.009 χ^2/NDF:164204.7/9

+ sign 36.636+/-0.007 χ^2/NDF: 1997007.3/27

All: 36.725+/-0.005 χ^2/NDF: 4116325.4/56

- sign 36.821+/-0.007 χ^2/NDF: 2118974.3/28



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.012 χ^2/NDF:24.9/11

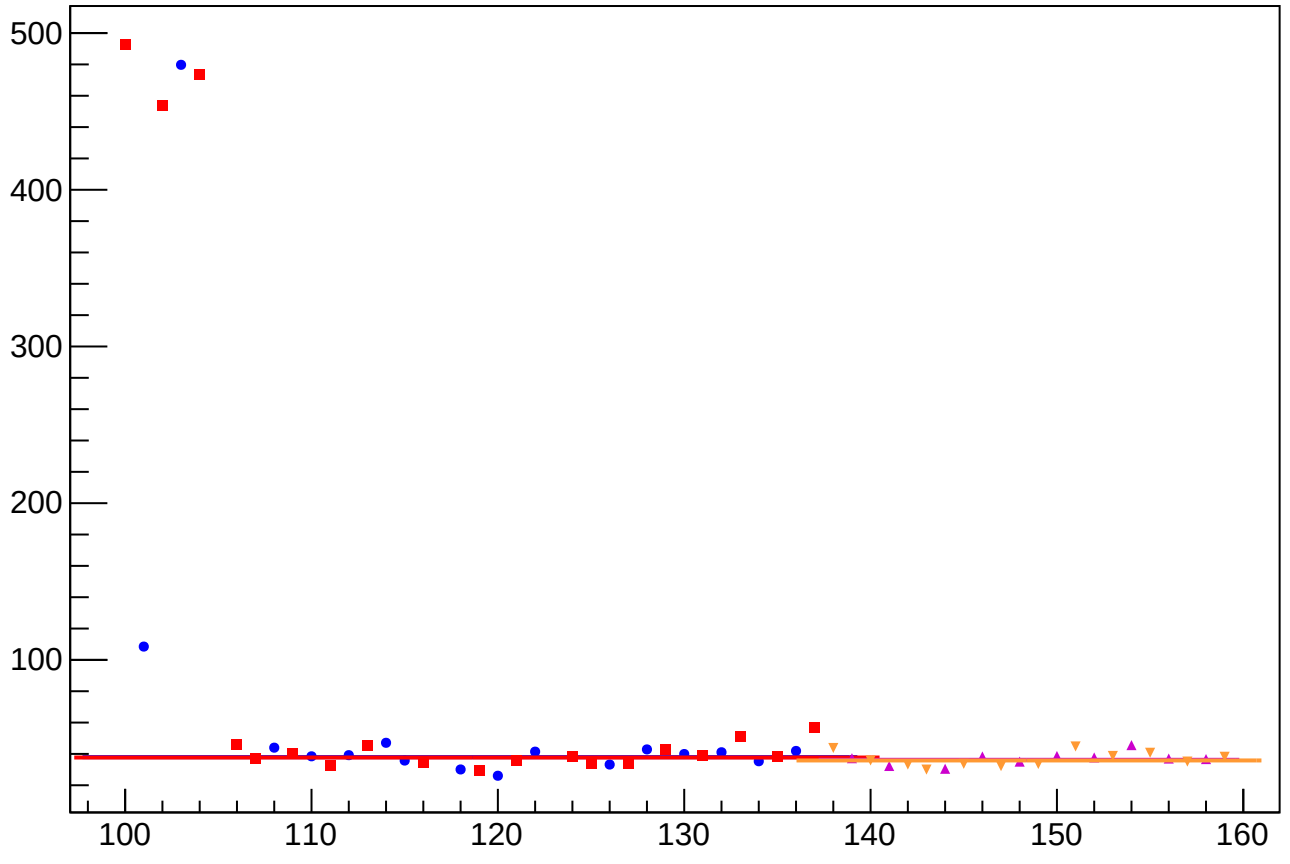
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.010+/-0.013 χ^2/NDF:10.0/9

+ sign 0.009+/-0.010 χ^2/NDF: 47.1/27

All: 0.007+/-0.007 χ^2/NDF: 72.6/56

- sign 0.004+/-0.010 χ^2/NDF: 25.4/28



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.833+/-0.009 χ^2/NDF:235617.8/11

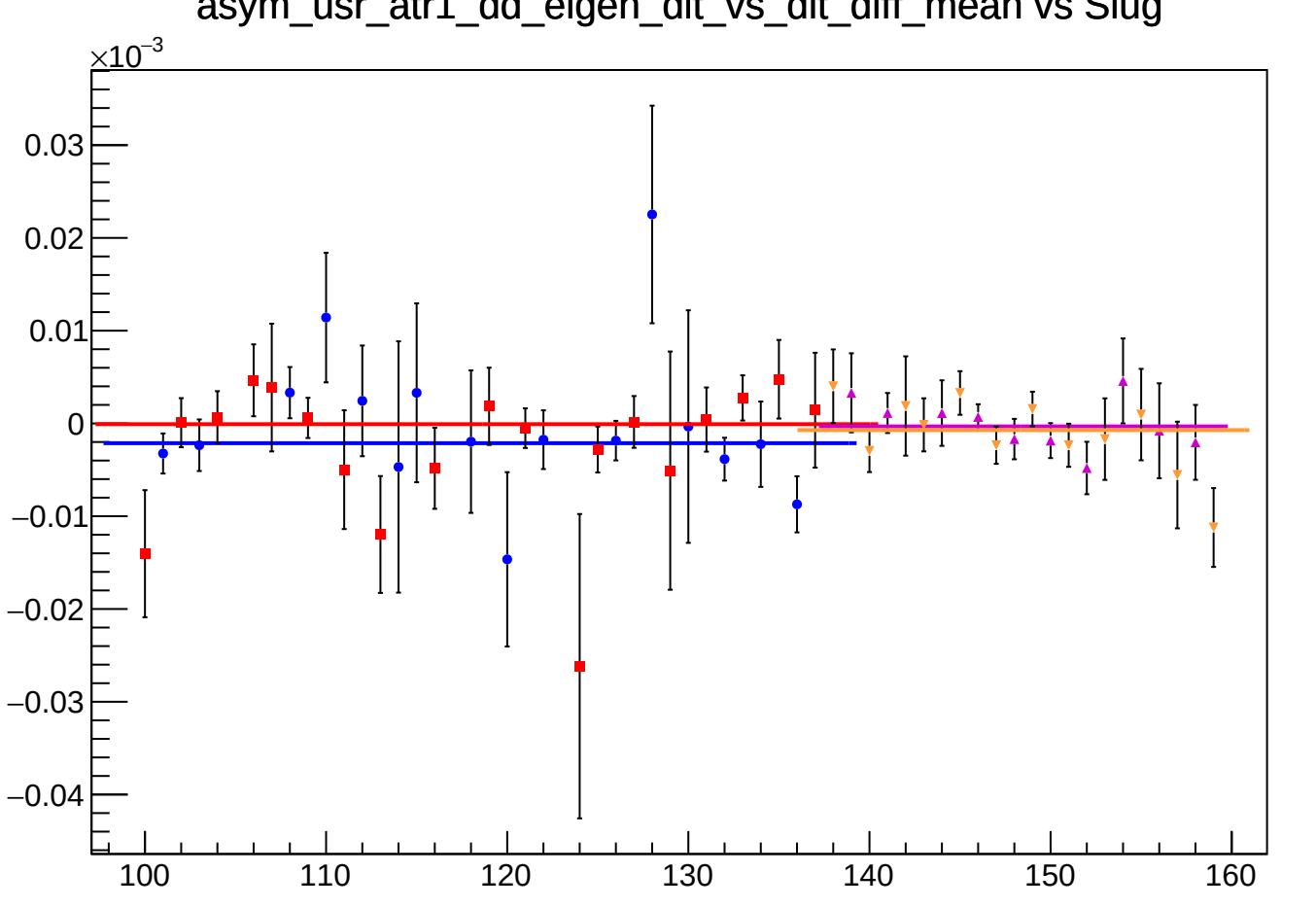
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

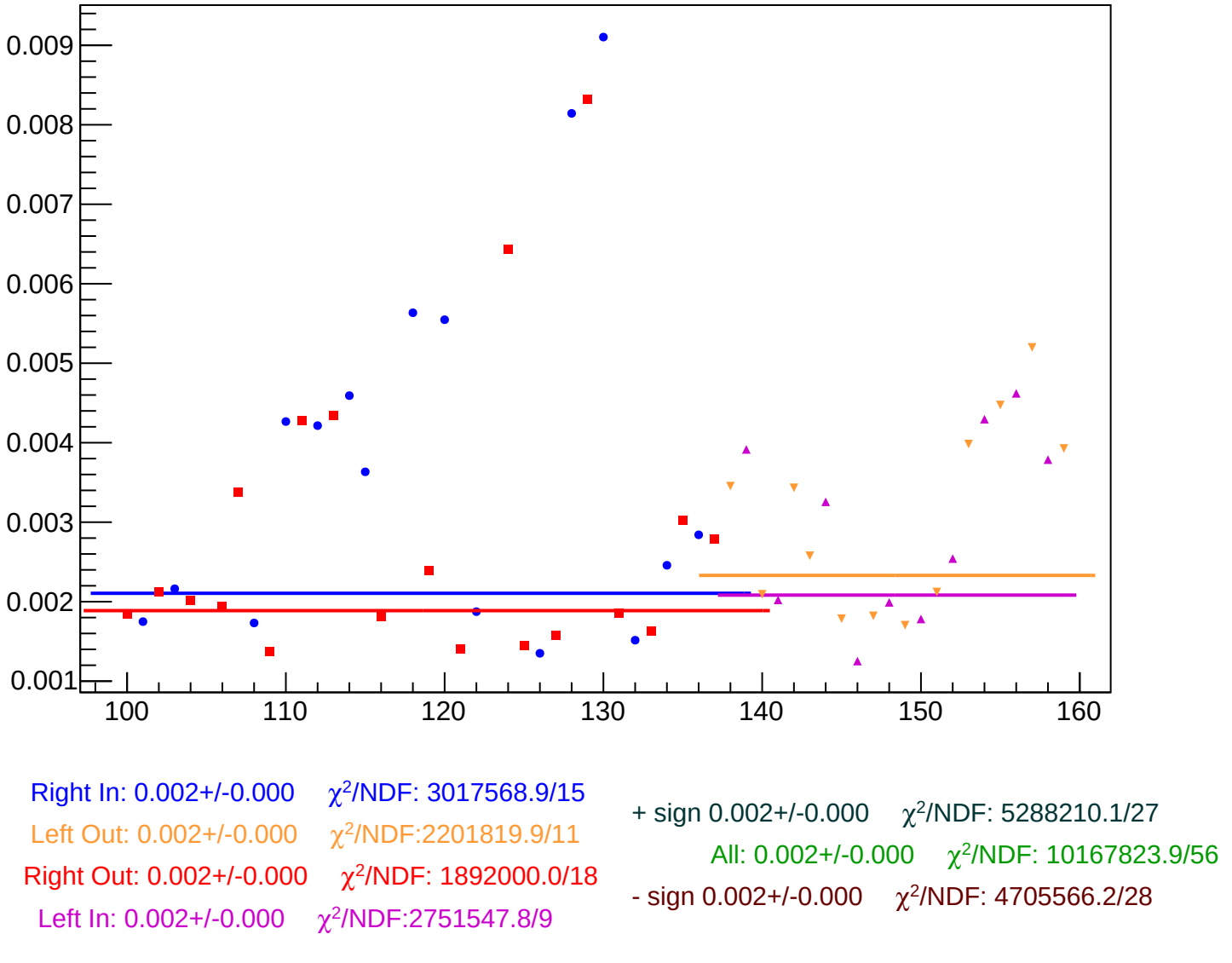
Left In: 36.241+/-0.009 χ^2/NDF:164204.7/9

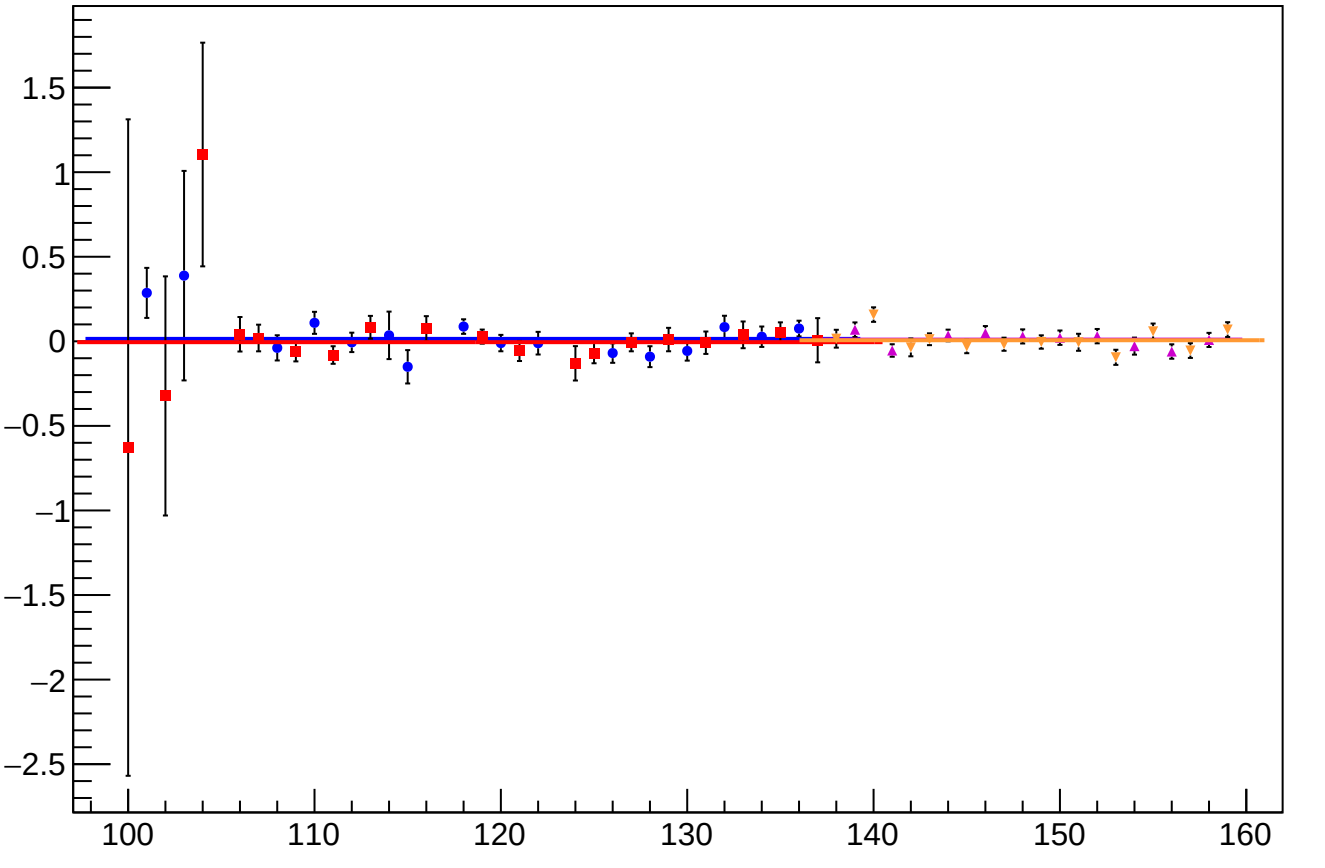
+ sign 36.636+/-0.007 χ^2/NDF: 1997007.3/27

All: 36.725+/-0.005 χ^2/NDF: 4116325.4/56

- sign 36.821+/-0.007 χ^2/NDF: 2118974.3/28


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 20.4/15
Left Out: -0.000+/-0.000 χ²/NDF:15.2/11
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/18
Left In: -0.000+/-0.000 χ²/NDF:6.8/9
+ sign -0.000+/-0.000 χ²/NDF: 36.9/27
All: -0.000+/-0.000 χ²/NDF: 64.2/56
- sign -0.000+/-0.000 χ²/NDF: 25.2/28


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2201819.9/11
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:2751547.8/9
+ sign 0.002+/-0.000 χ²/NDF: 5288210.1/27
All: 0.002+/-0.000 χ²/NDF: 10167823.9/56
- sign 0.002+/-0.000 χ²/NDF: 4705566.2/28



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

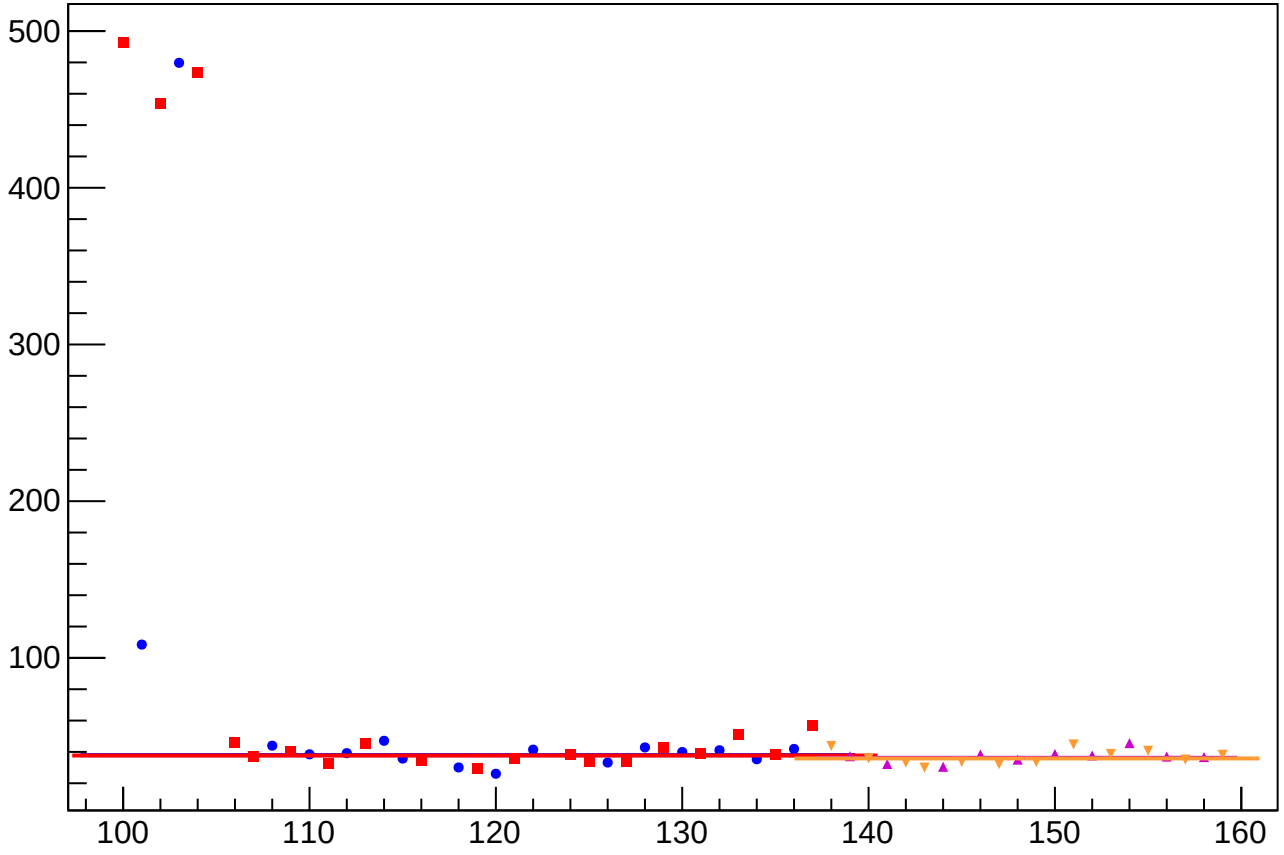
Left In: 0.010+/-0.013 χ^2/NDF:10.0/9

+ sign 0.009+/-0.010 χ^2/NDF: 47.1/27

All: 0.007+/-0.007 χ^2/NDF: 72.6/56

- sign 0.004+/-0.010 χ^2/NDF: 25.4/28

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.833+/-0.009 χ^2/NDF:235669.9/11

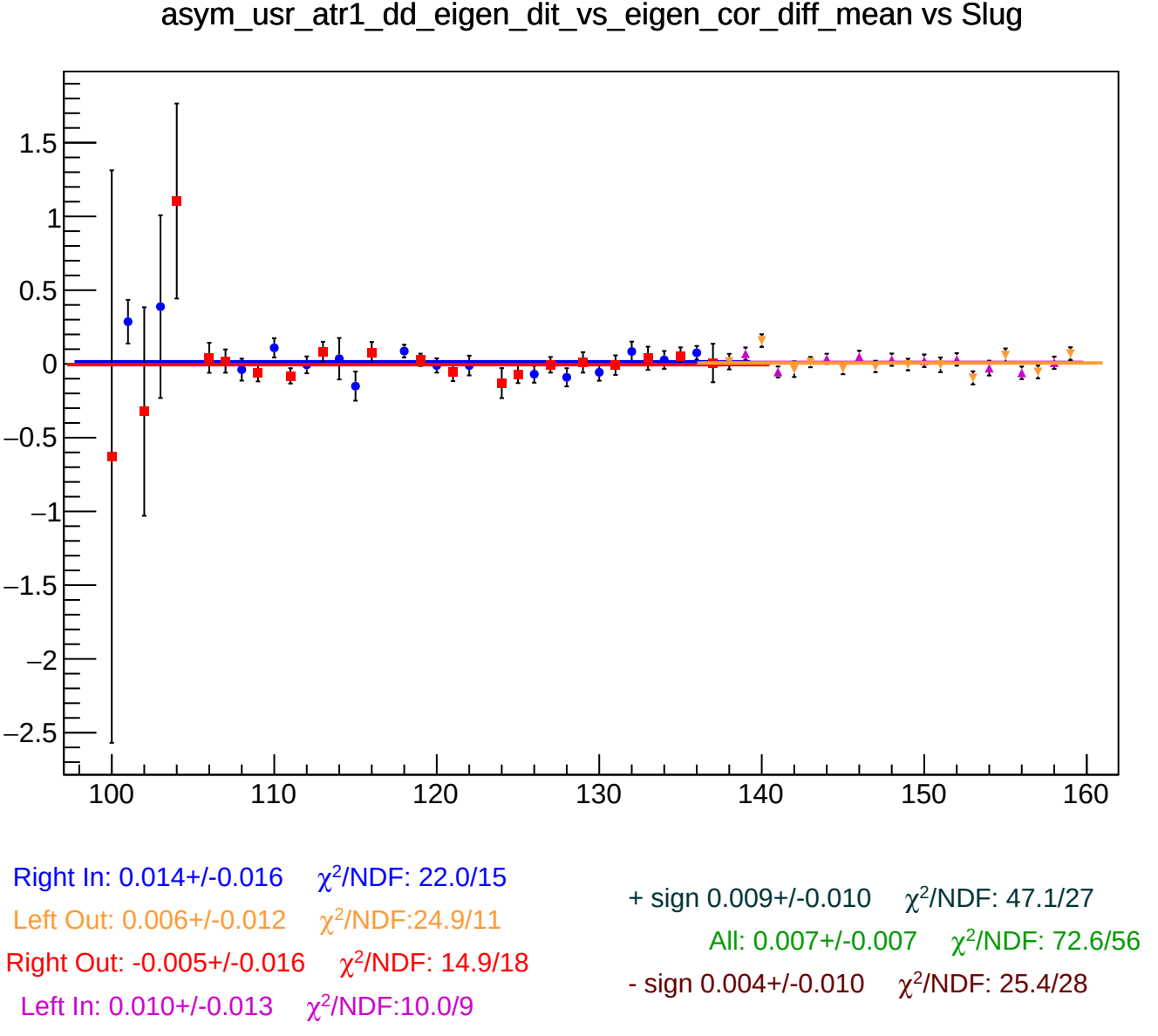
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

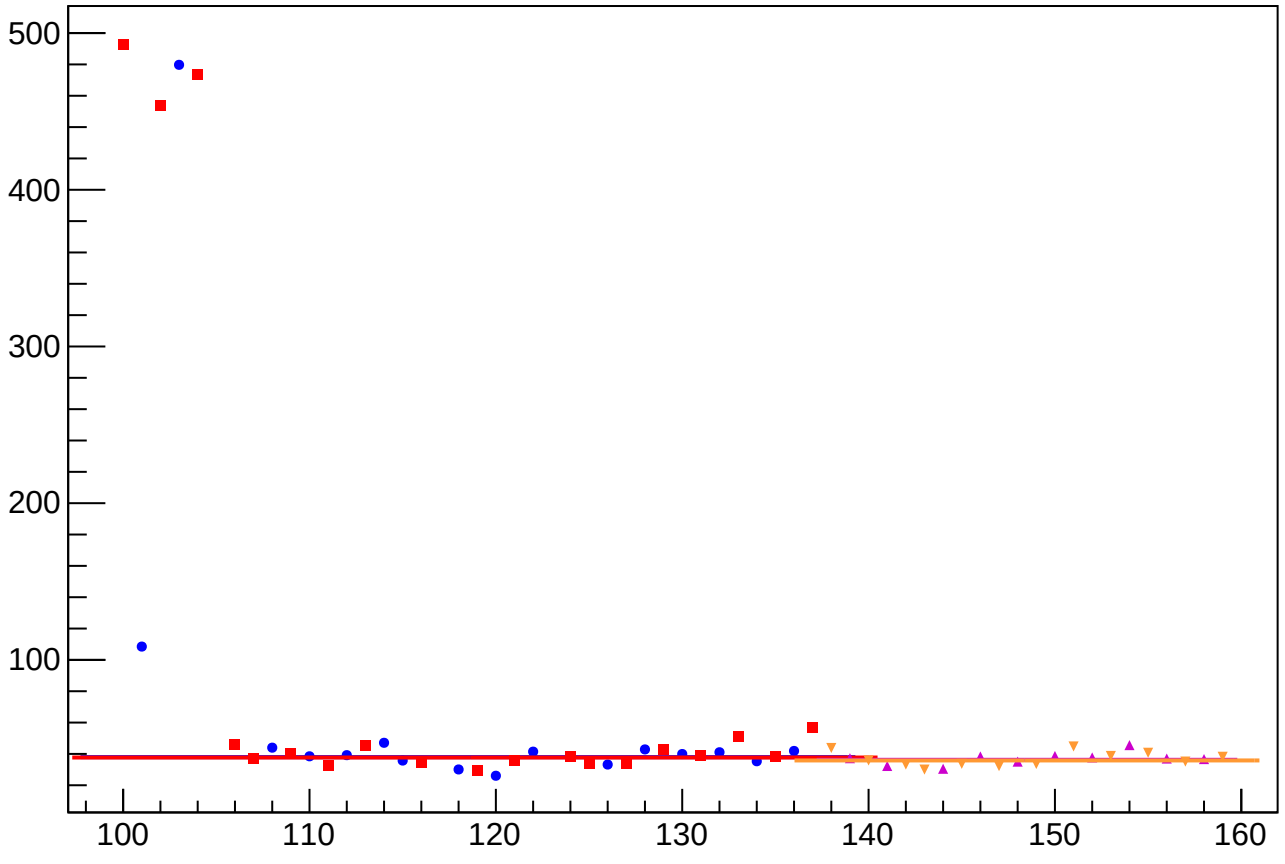
Left In: 36.240+/-0.009 χ^2/NDF:164244.9/9

+ sign 36.635+/-0.007 χ^2/NDF: 1997062.6/27

All: 36.725+/-0.005 χ^2/NDF: 4116484.1/56

- sign 36.820+/-0.007 χ^2/NDF: 2119079.0/28


asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.006+/-0.012 χ²/NDF:24.9/11
Right Out: -0.005+/-0.016 χ²/NDF: 14.9/18
Left In: 0.010+/-0.013 χ²/NDF:10.0/9
+ sign 0.009+/-0.010 χ²/NDF: 47.1/27
All: 0.007+/-0.007 χ²/NDF: 72.6/56
- sign 0.004+/-0.010 χ²/NDF: 25.4/28



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.833+/-0.009 χ^2/NDF:235669.9/11

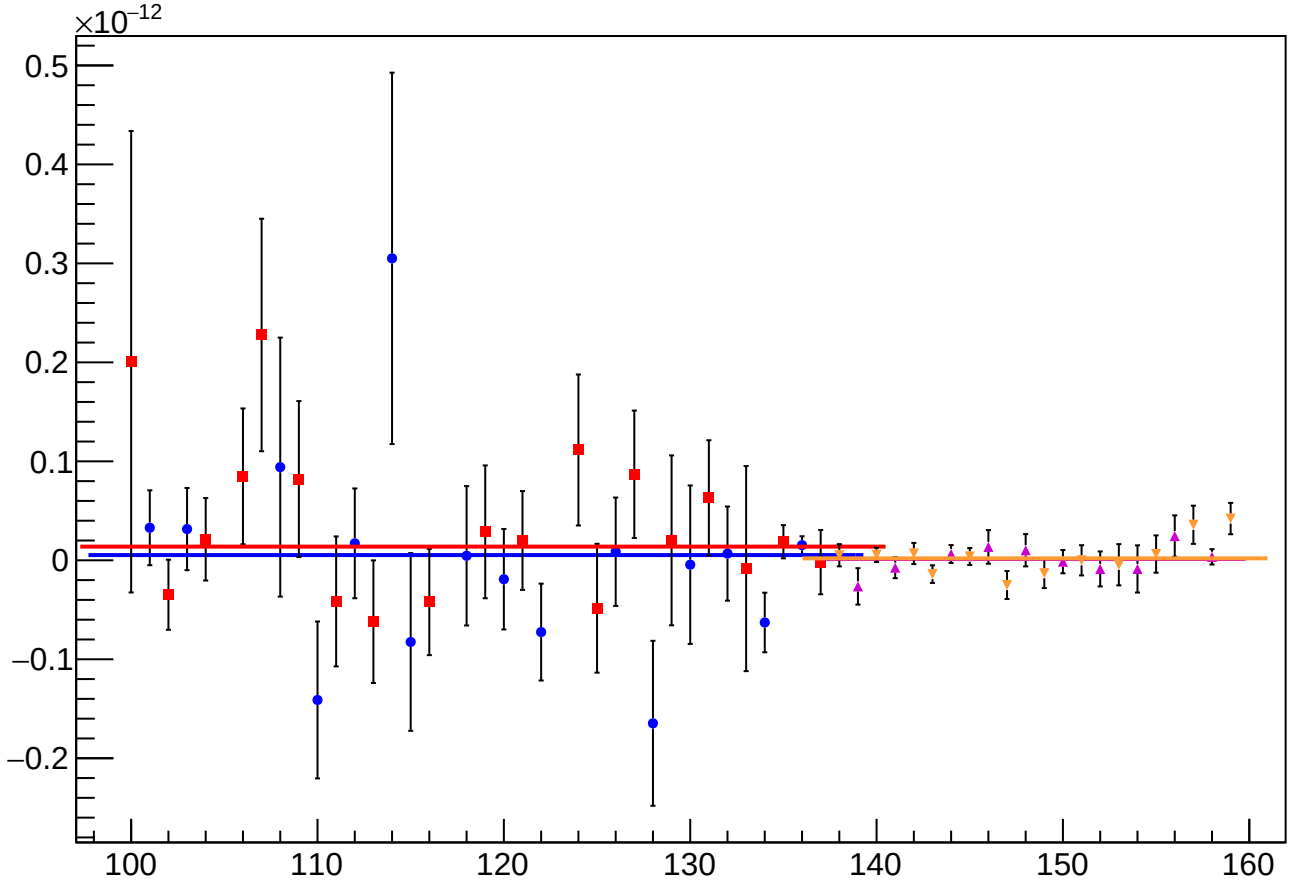
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.240+/-0.009 χ^2/NDF:164244.9/9

\+ sign 36.635+/-0.007 χ^2/NDF: 1997062.6/27

All: 36.725+/-0.005 χ^2/NDF: 4116484.1/56

\- sign 36.820+/-0.007 χ^2/NDF: 2119079.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/11

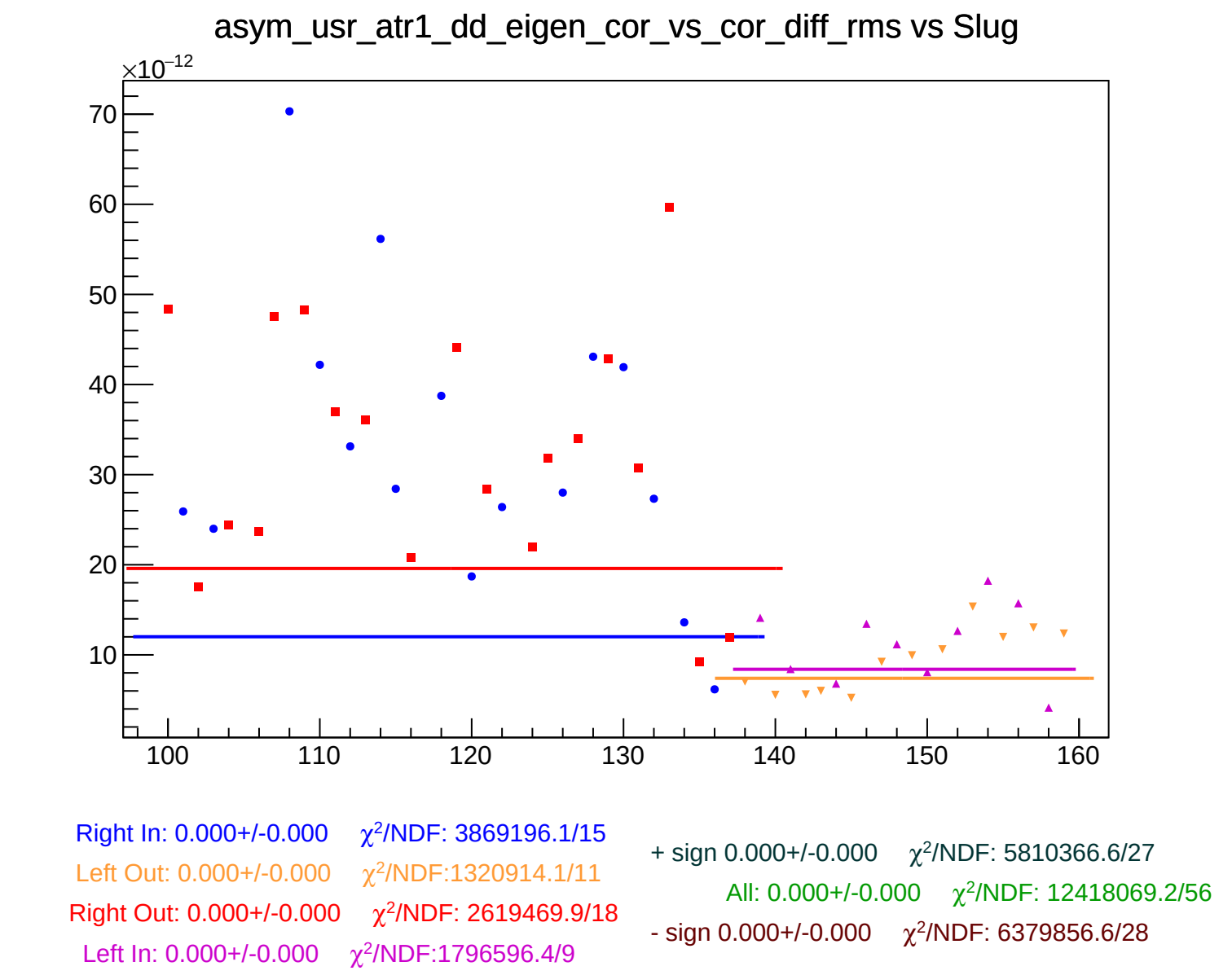
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/9

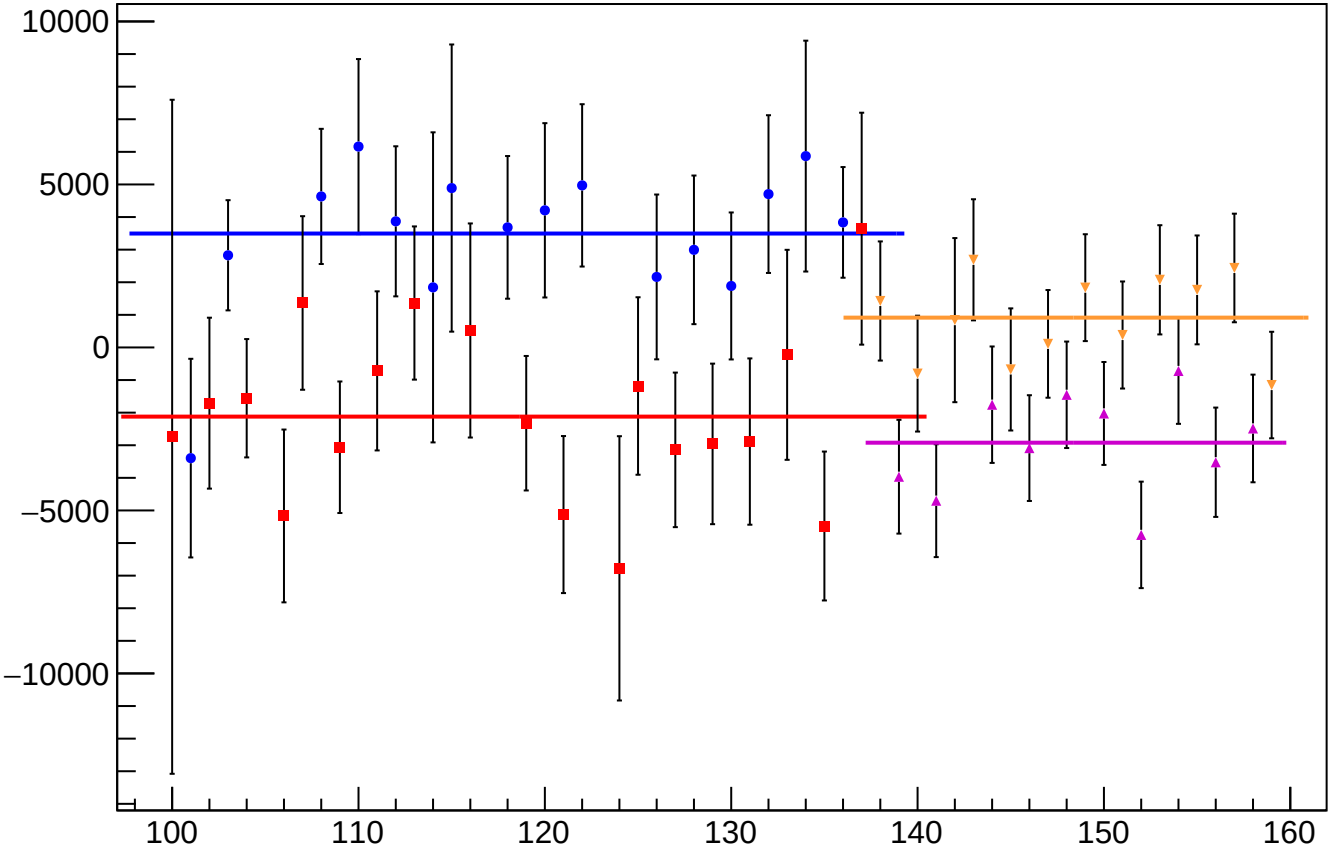
+ sign 0.000+/-0.000 χ^2/NDF: 39.9/27

All: 0.000+/-0.000 χ^2/NDF: 63.1/56

- sign 0.000+/-0.000 χ^2/NDF: 23.1/28


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:1796596.4/9
+ sign 0.000+/-0.000 χ²/NDF: 5810366.6/27
All: 0.000+/-0.000 χ²/NDF: 12418069.2/56
- sign 0.000+/-0.000 χ²/NDF: 6379856.6/28

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

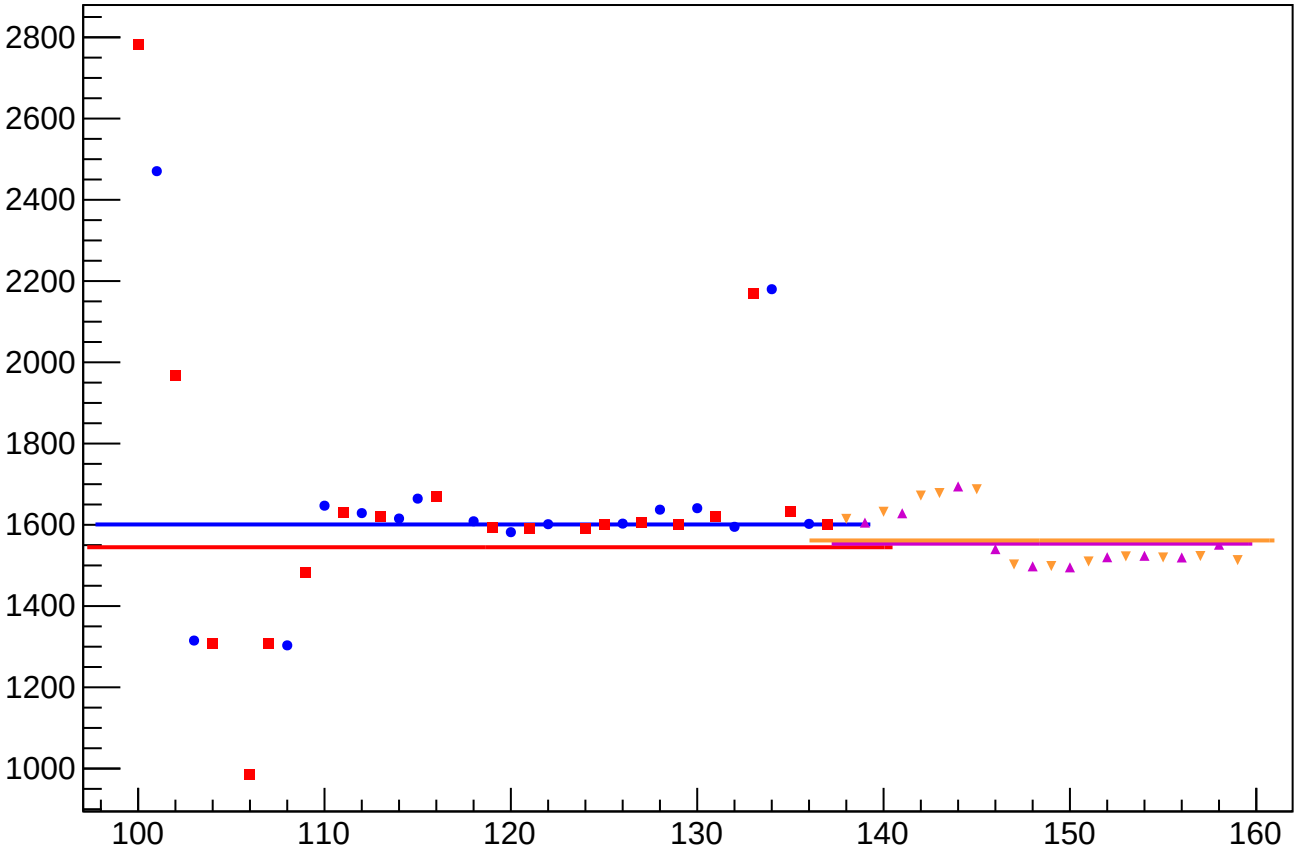
Left In: -2921.948+/-526.364 χ^2/NDF:8.0/9

+ sign 1983.986+/-387.056 χ^2/NDF: 26.1/27

All: -261.590+/-275.445 χ^2/NDF: 118.4/56

- sign -2565.701+/-392.069 χ^2/NDF: 24.1/28

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

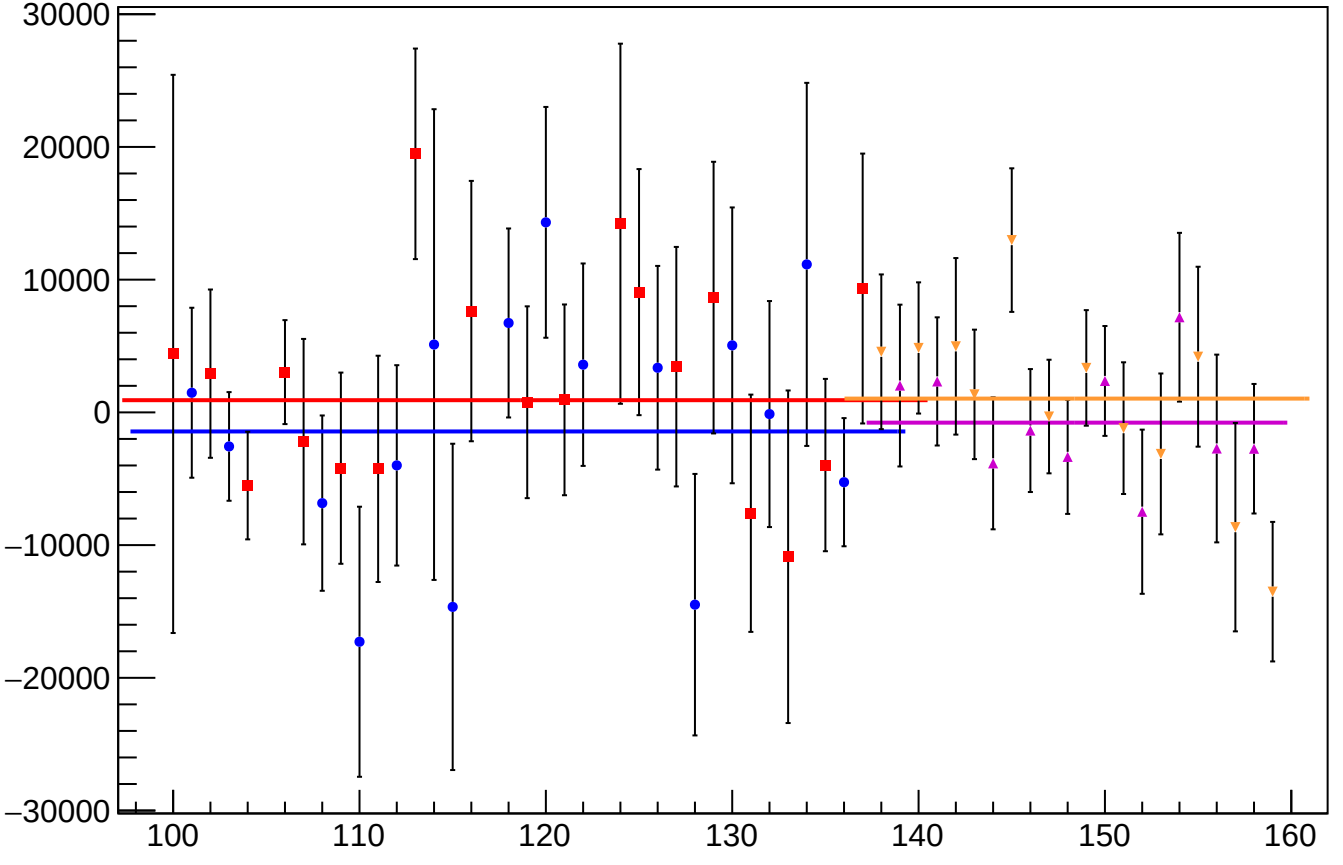
Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

+ sign 1577.831+/-0.274 χ^2/NDF: 360747.1/27

All: 1563.800+/-0.194 χ^2/NDF: 767891.8/56

- sign 1549.619+/-0.275 χ^2/NDF: 401860.1/28

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

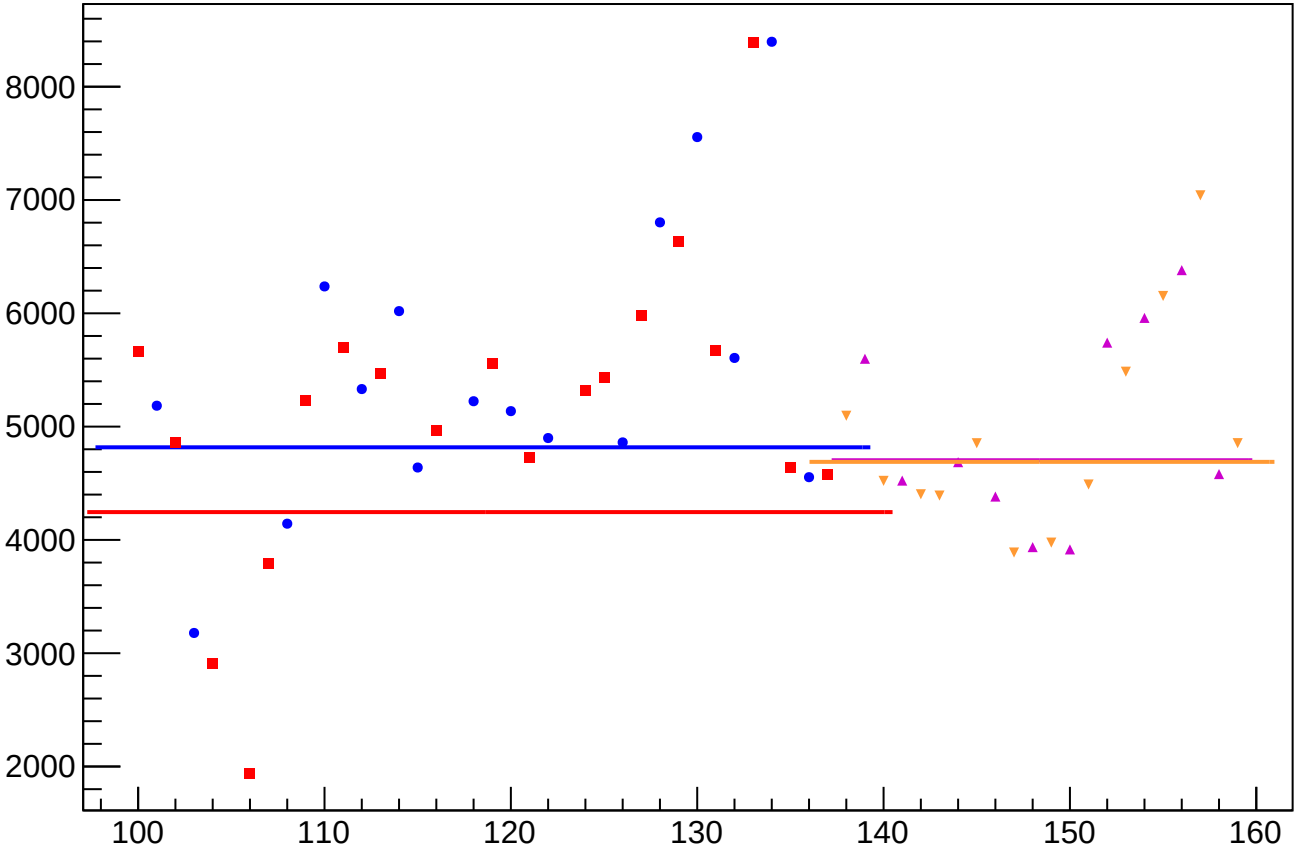
Left In: -773.765+/-1617.409 χ^2/NDF:4.9/9

\+ sign 19.488+/-1185.711 χ^2/NDF: 31.6/27

All: 32.843+/-829.763 χ^2/NDF: 52.4/56

\- sign 45.660+/-1161.585 χ^2/NDF: 20.8/28

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

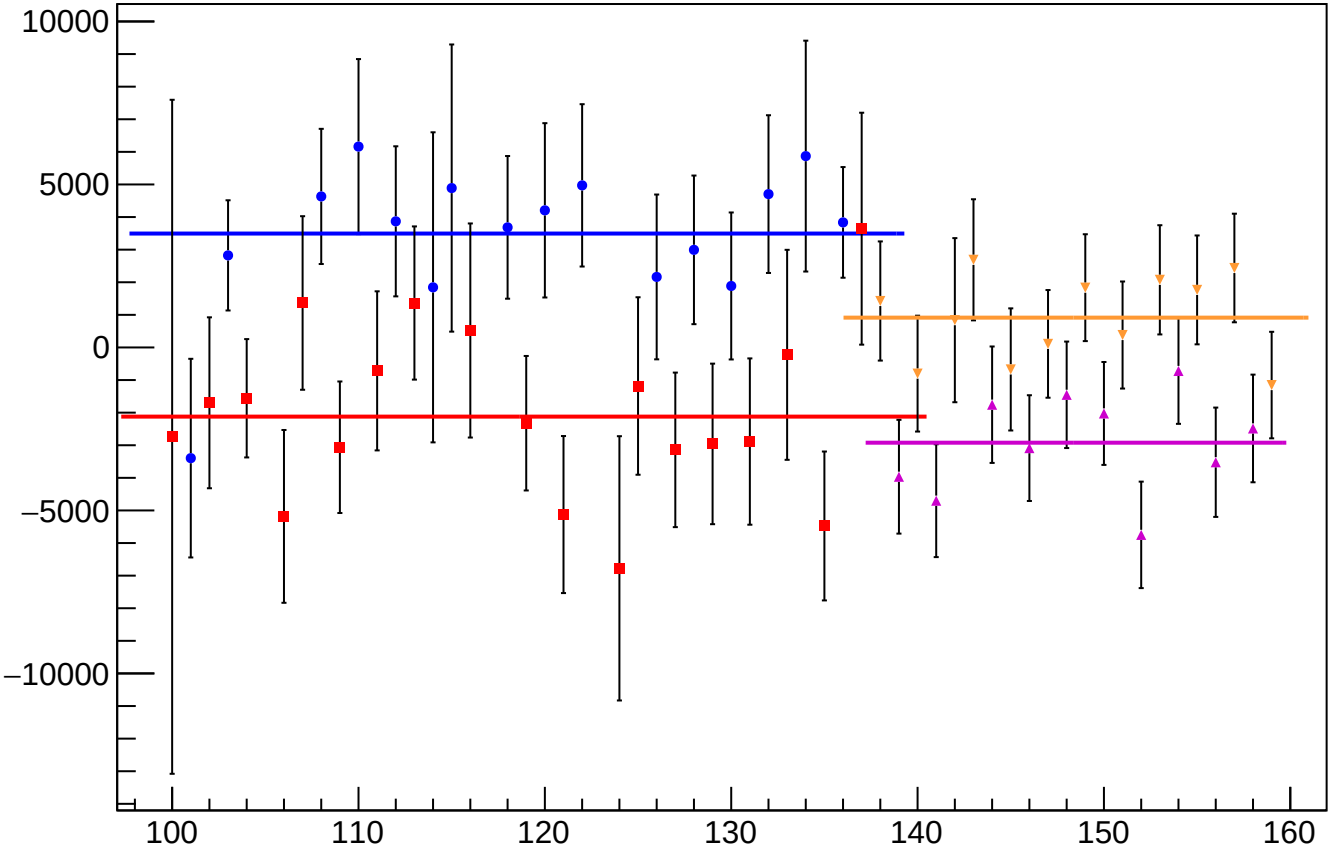
Left In: 4703.147+/-1.144 χ^2/NDF:439816.9/9

+ sign 4741.770+/-0.838 χ^2/NDF: 1262248.8/27

All: 4608.991+/-0.587 χ^2/NDF: 3511898.6/56

- sign 4481.560+/-0.821 χ^2/NDF: 2200499.6/28

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

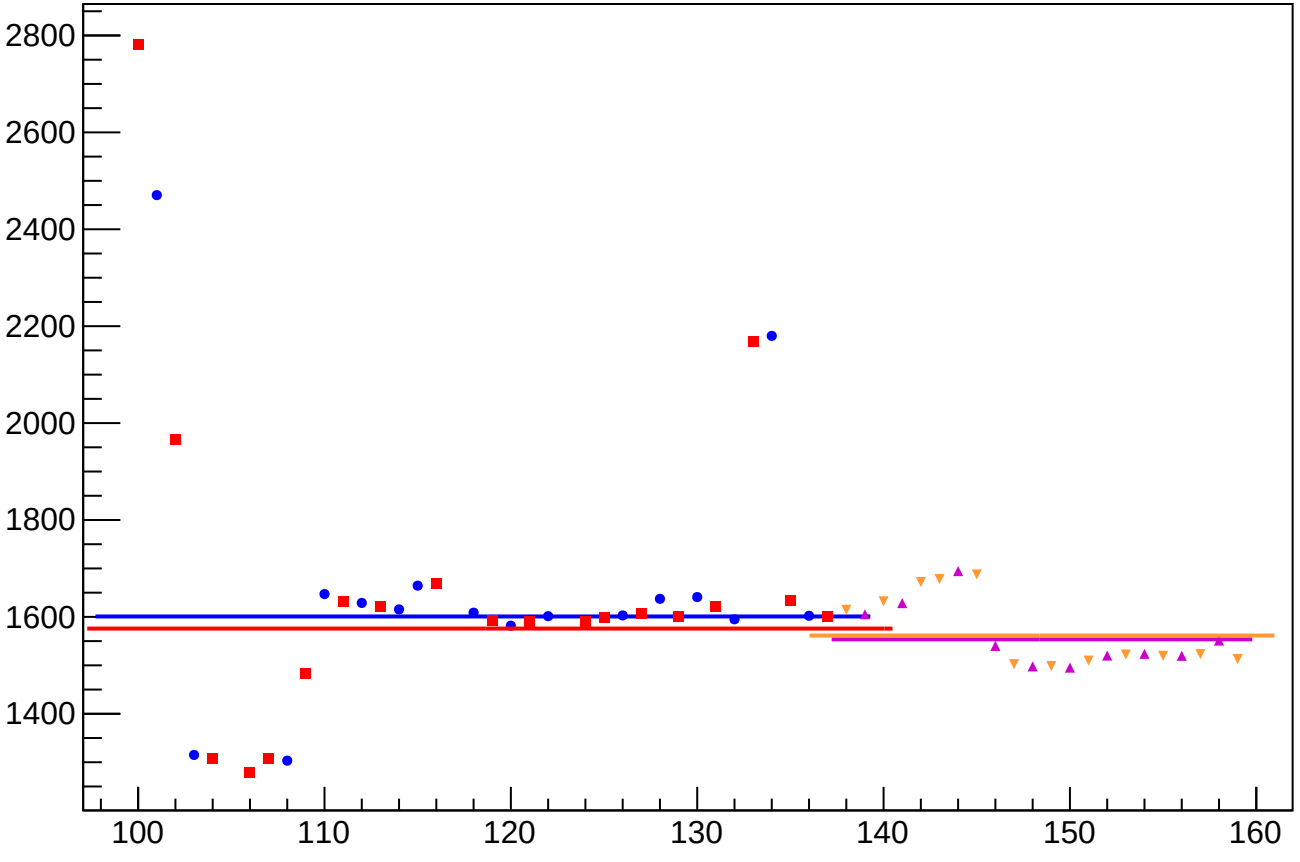
Left In: -2922.010+/-526.364 χ^2/NDF:8.0/9

+ sign 1983.735+/-387.056 χ^2/NDF: 26.1/27

All: -261.728+/-275.445 χ^2/NDF: 118.4/56

- sign -2565.733+/-392.069 χ^2/NDF: 24.1/28

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

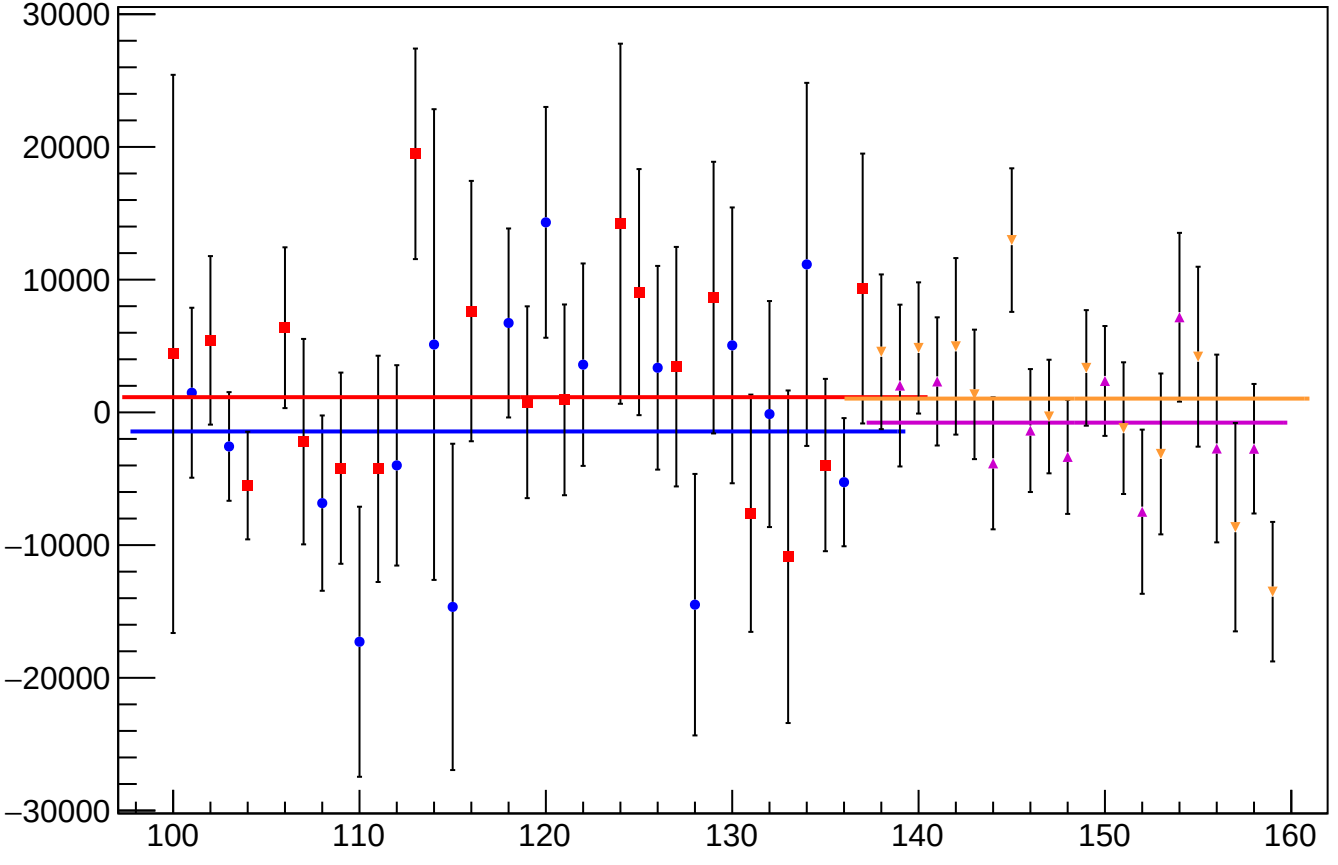
Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

+ sign 1577.831+/-0.274 χ^2/NDF: 360746.3/27

All: 1570.783+/-0.195 χ^2/NDF: 632502.2/56

- sign 1563.577+/-0.277 χ^2/NDF: 270414.7/28

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

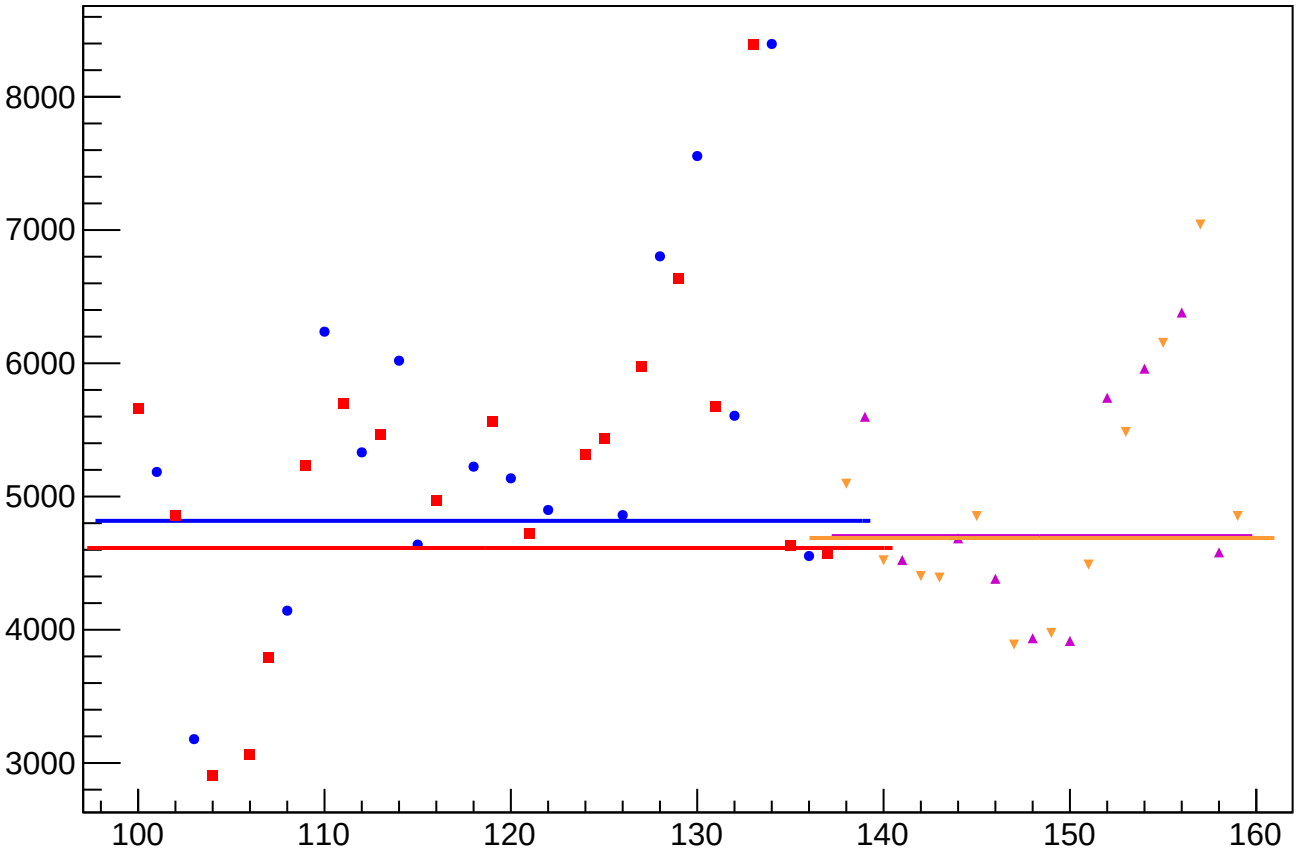
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -773.910+/-1617.409 χ^2/NDF:4.9/9

+ sign 19.380+/-1185.719 χ^2/NDF: 31.6/27

All: 60.602+/-840.841 χ^2/NDF: 53.4/56

- sign 102.301+/-1192.569 χ^2/NDF: 21.8/28



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

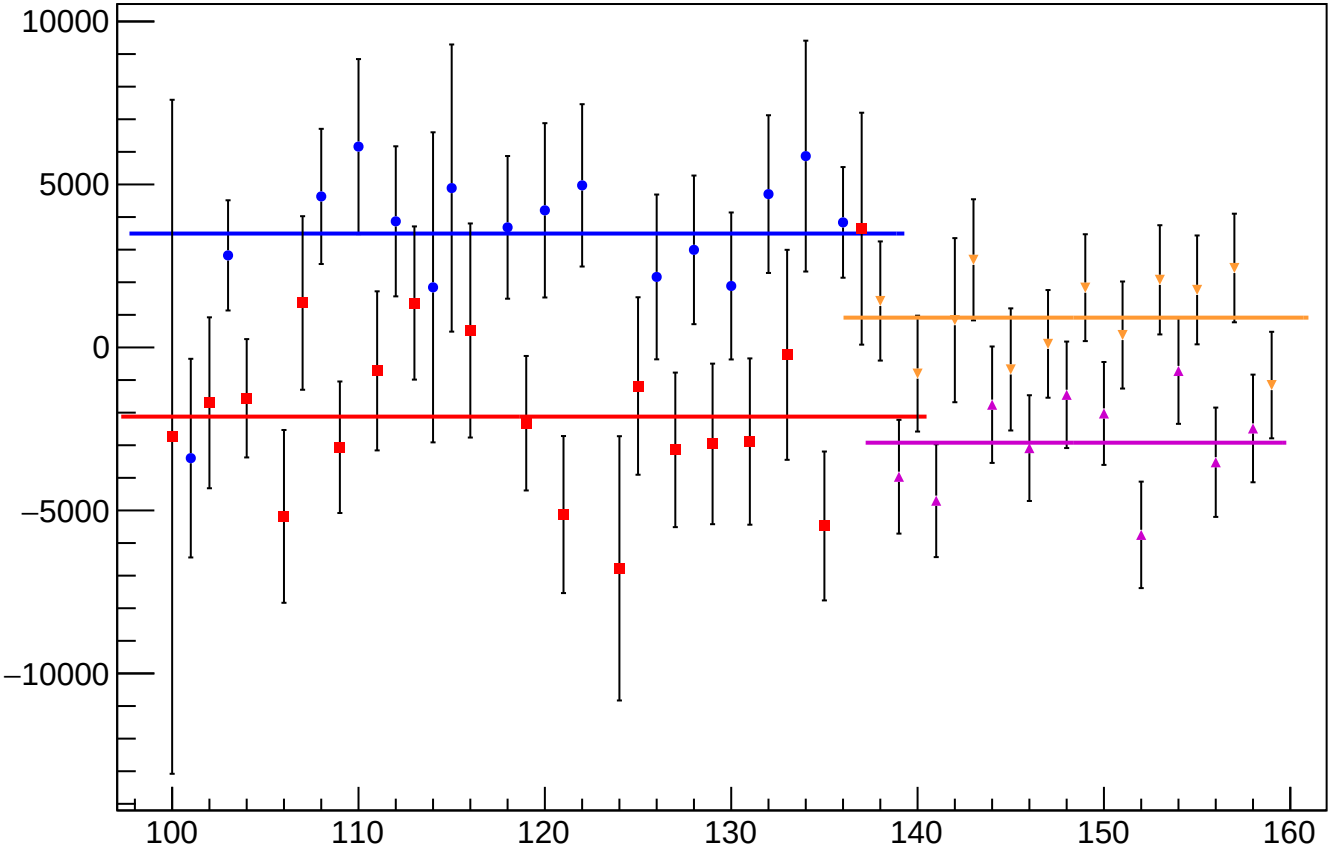
Left In: 4703.147+/-1.144 χ^2/NDF:439817.4/9

+ sign 4741.818+/-0.838 χ^2/NDF: 1262071.0/27

All: 4702.337+/-0.595 χ^2/NDF: 2687089.1/56

- sign 4662.397+/-0.843 χ^2/NDF: 1420557.4/28

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

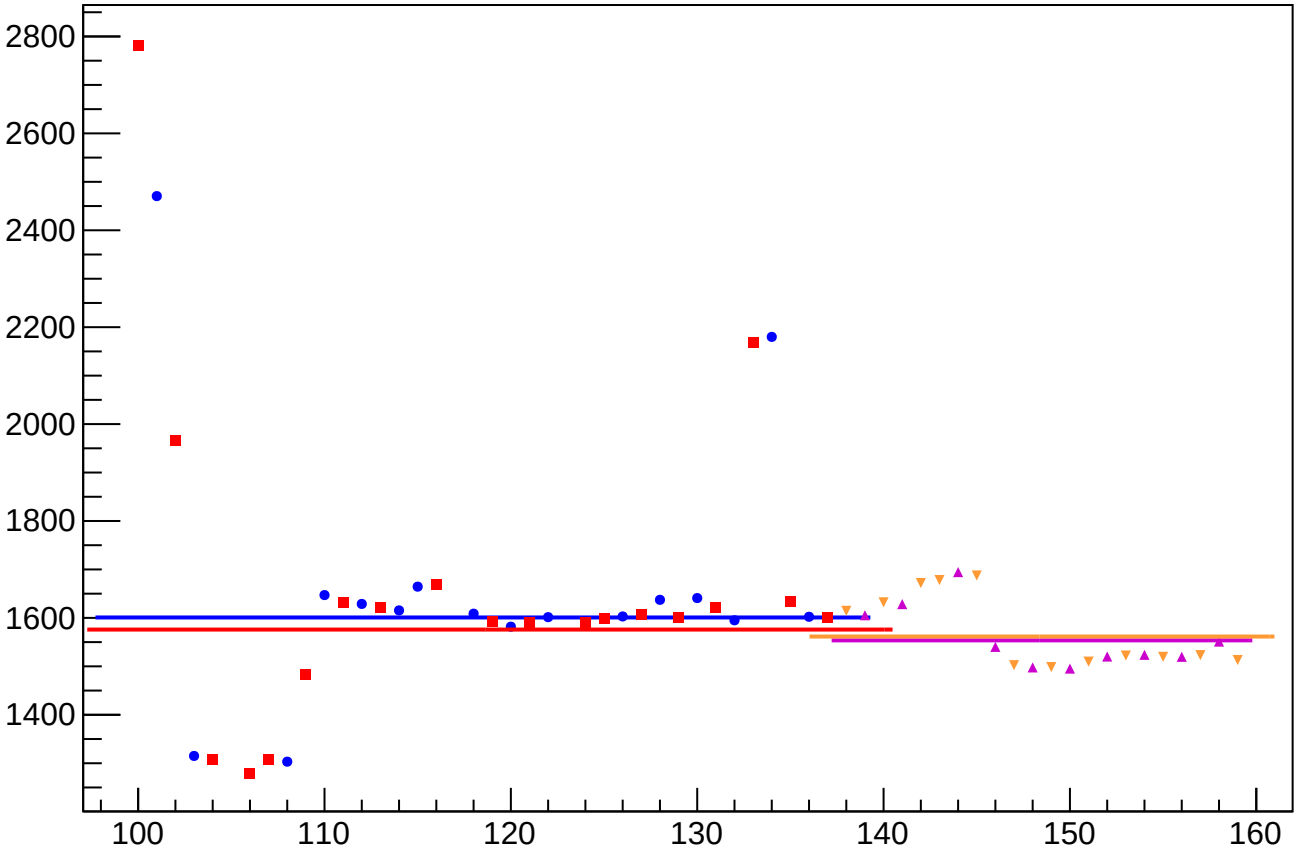
Left In: -2922.010+/-526.364 χ^2/NDF:8.0/9

+ sign 1983.735+/-387.056 χ^2/NDF: 26.1/27

All: -261.728+/-275.445 χ^2/NDF: 118.4/56

- sign -2565.733+/-392.069 χ^2/NDF: 24.1/28

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

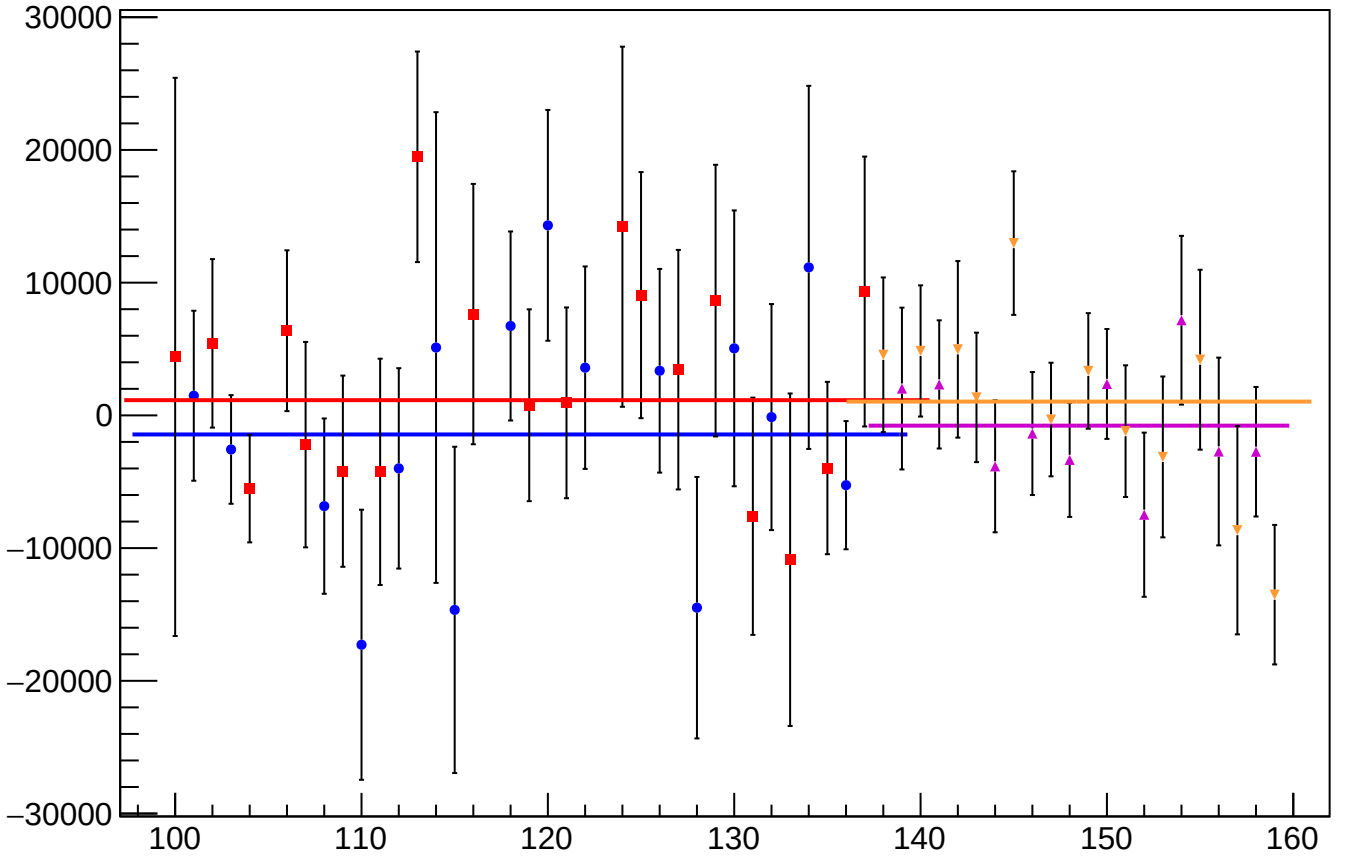
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1553.610+/-0.372 χ^2/NDF:25479.1/9

+ sign 1577.831+/-0.274 χ^2/NDF: 360746.3/27

All: 1570.783+/-0.195 χ^2/NDF: 632502.2/56

- sign 1563.577+/-0.277 χ^2/NDF: 270414.7/28



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1038.136+/-1545.688 χ^2/NDF:16.6/11

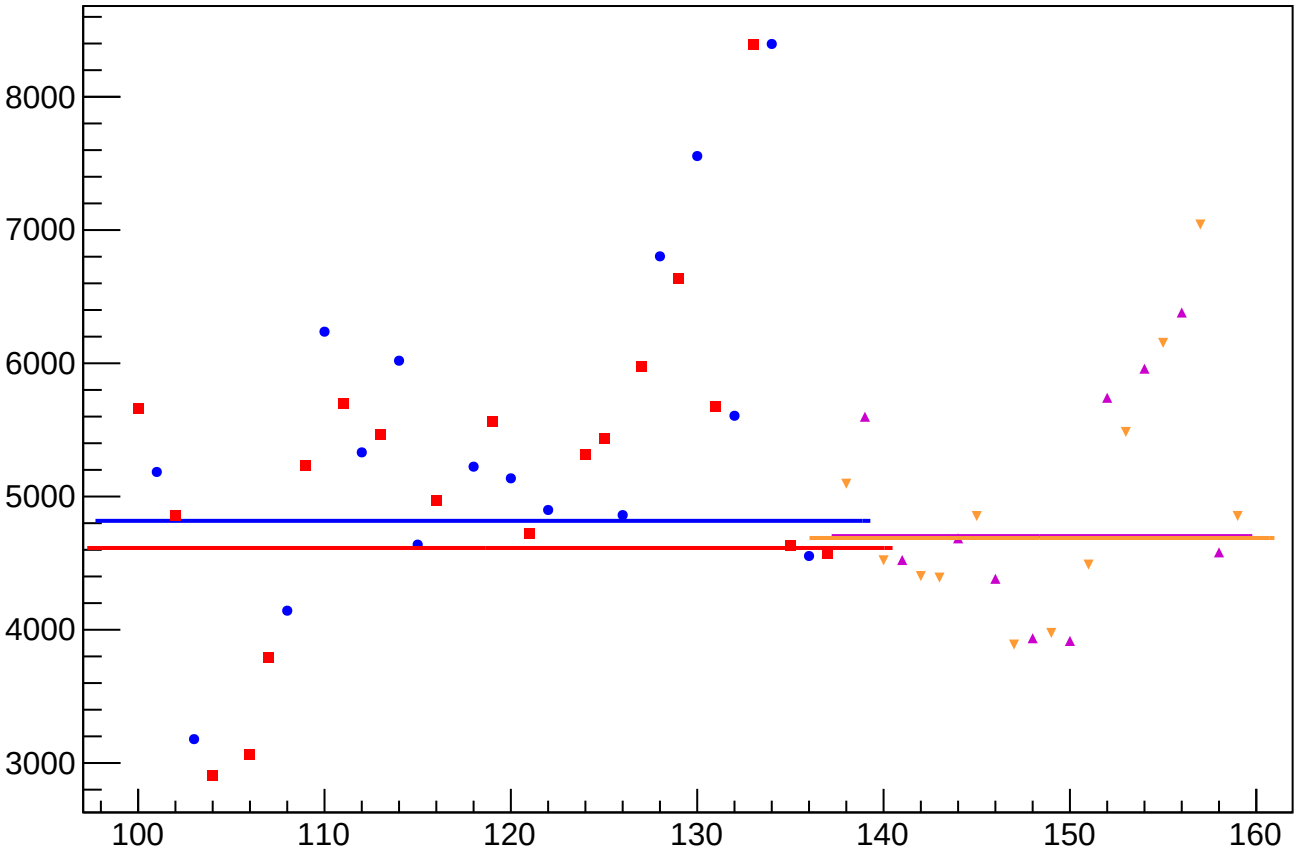
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -773.910+/-1617.409 χ^2/NDF:4.9/9

+ sign 19.380+/-1185.719 χ^2/NDF: 31.6/27

All: 60.602+/-840.841 χ^2/NDF: 53.4/56

- sign 102.301+/-1192.569 χ^2/NDF: 21.8/28



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

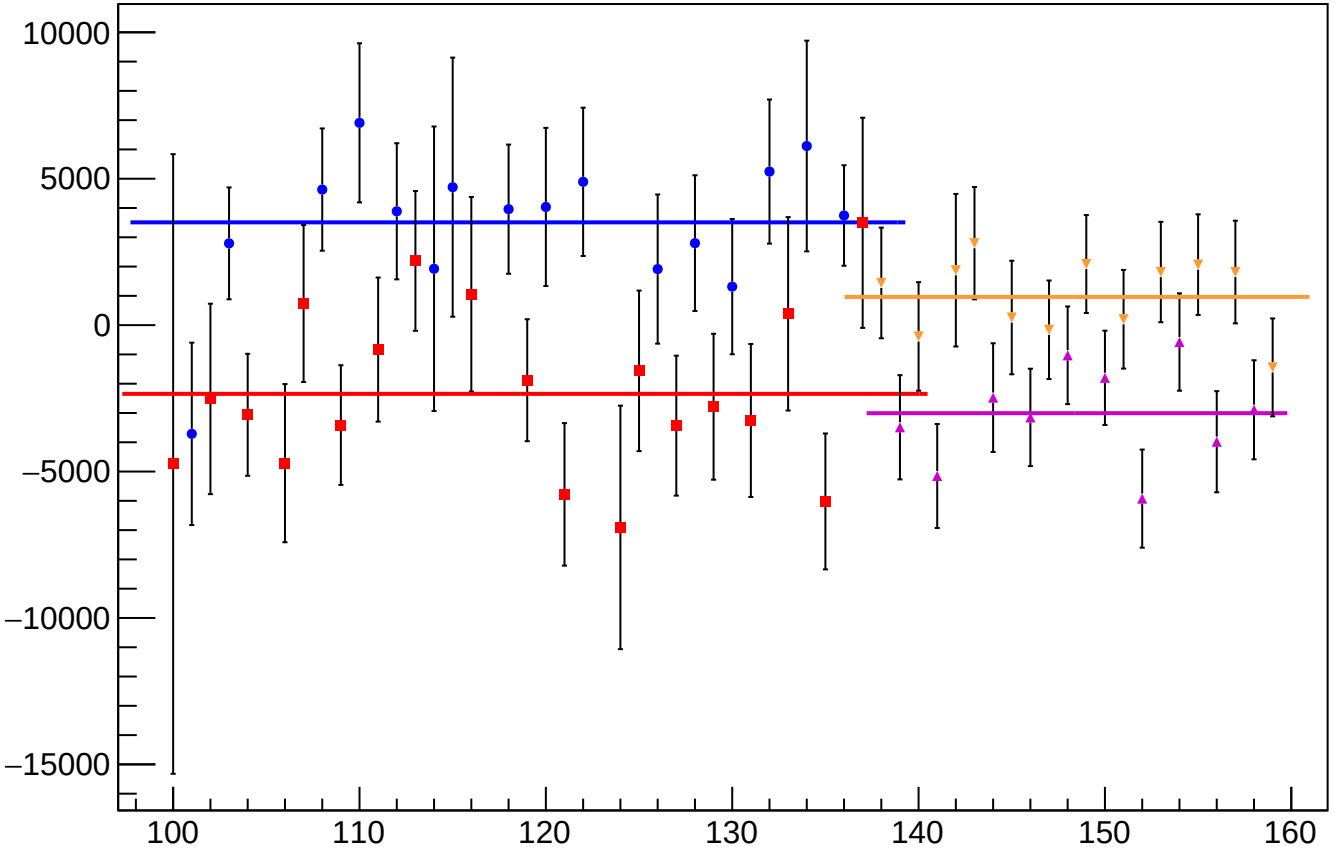
Left In: 4703.147+/-1.144 χ^2/NDF:439817.4/9

+ sign 4741.818+/-0.838 χ^2/NDF: 1262071.0/27

All: 4702.337+/-0.595 χ^2/NDF: 2687089.1/56

- sign 4662.397+/-0.843 χ^2/NDF: 1420557.4/28

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

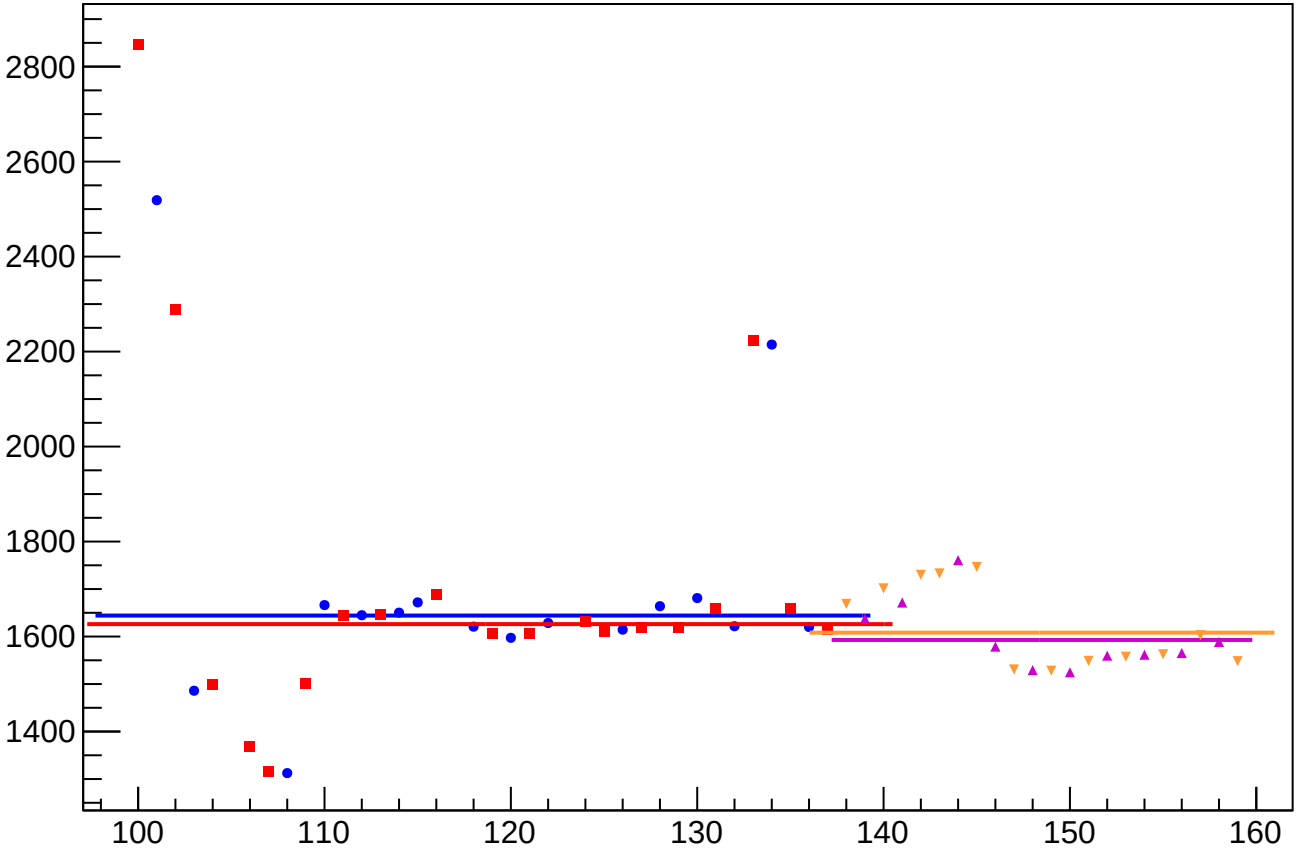
Left In: -3006.357+/-539.746 χ^2/NDF:9.1/9

+ sign 2024.537+/-398.043 χ^2/NDF: 26.2/27

All: -313.200+/-283.367 χ^2/NDF: 122.9/56

- sign -2715.422+/-403.496 χ^2/NDF: 26.8/28

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

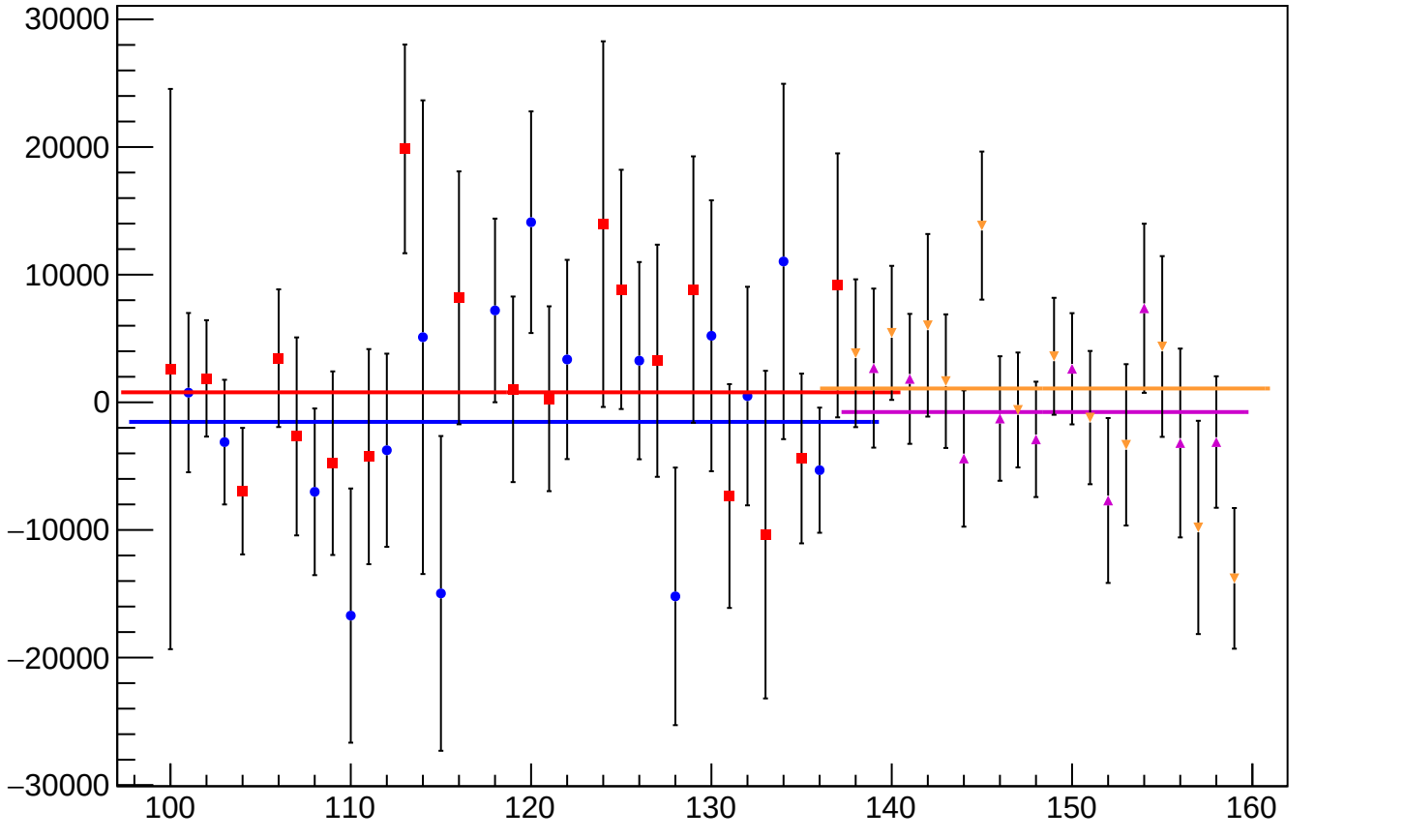
Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1592.837+/-0.382 χ^2/NDF:30181.0/9

+ sign 1623.194+/-0.281 χ^2/NDF: 326001.4/27

All: 1615.479+/-0.200 χ^2/NDF: 598713.3/56

- sign 1607.558+/-0.285 χ^2/NDF: 271189.3/28



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

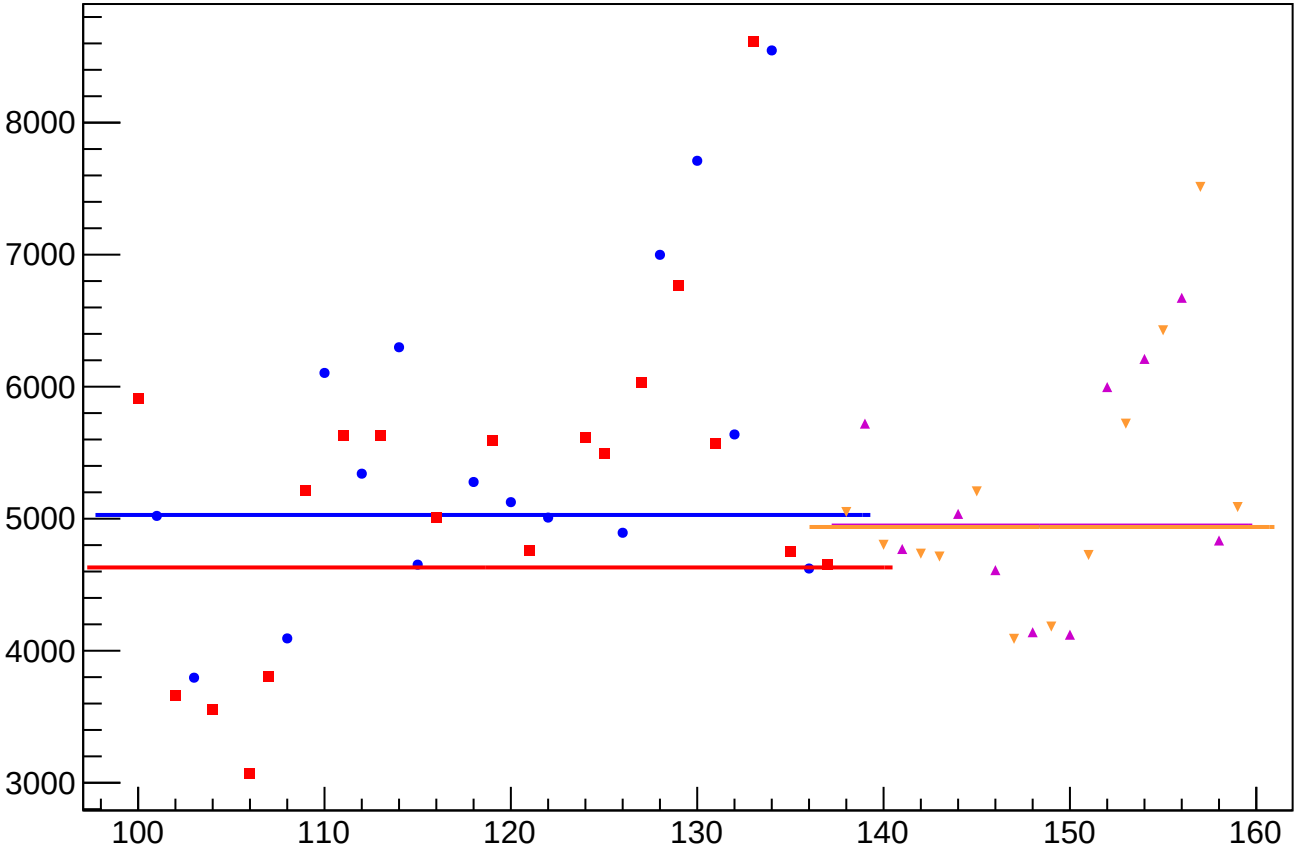
Left In: -761.856+/-1700.441 χ^2/NDF:4.8/9

+ sign -13.548+/-1239.502 χ^2/NDF: 31.5/27

All: -11.937+/-869.140 χ^2/NDF: 51.8/56

- sign -10.379+/-1219.052 χ^2/NDF: 20.3/28

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

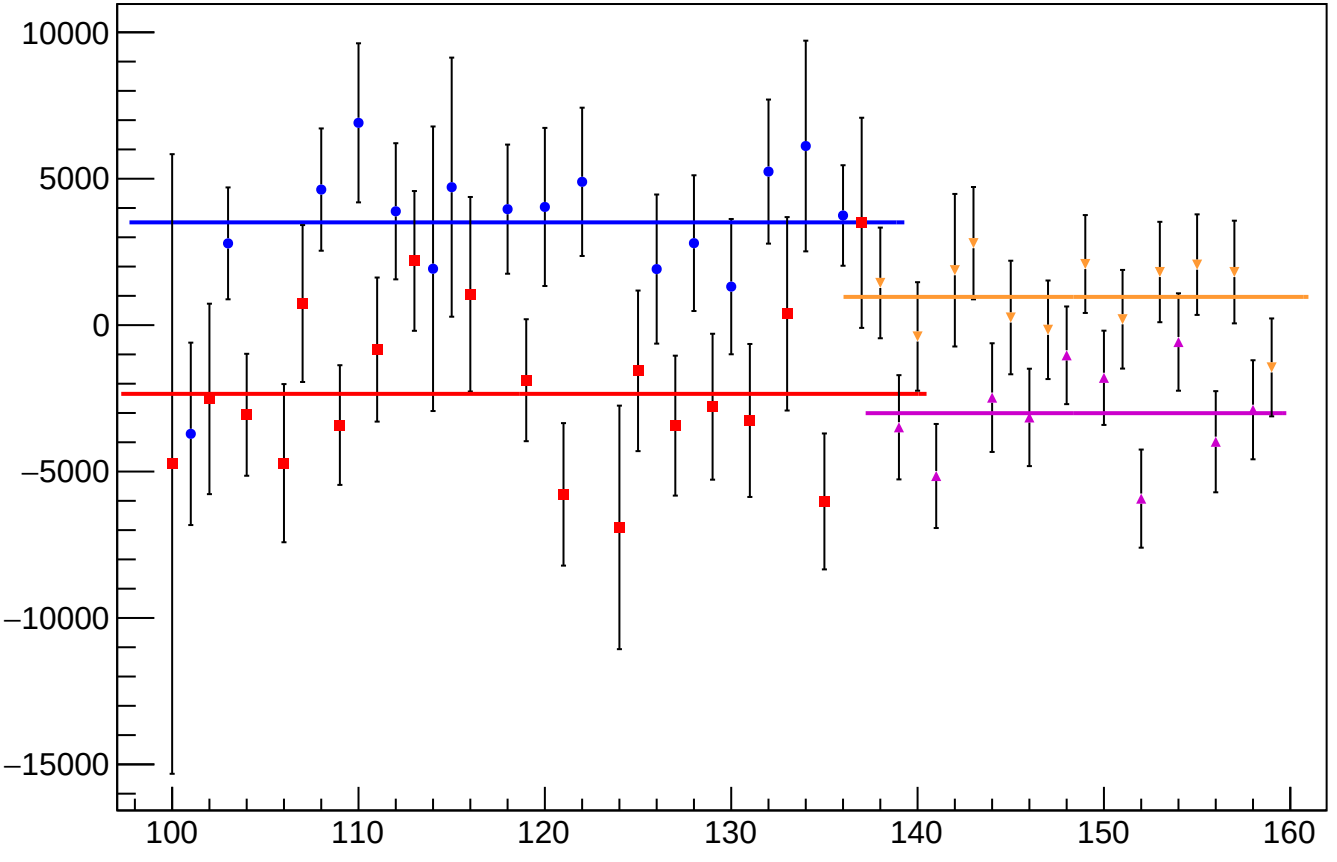
Left In: 4948.215+/-1.202 χ^2/NDF:414335.0/9

+ sign 4975.546+/-0.876 χ^2/NDF: 1018972.1/27

All: 4883.255+/-0.615 χ^2/NDF: 2352485.6/56

- sign 4793.985+/-0.862 χ^2/NDF: 1311700.6/28

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

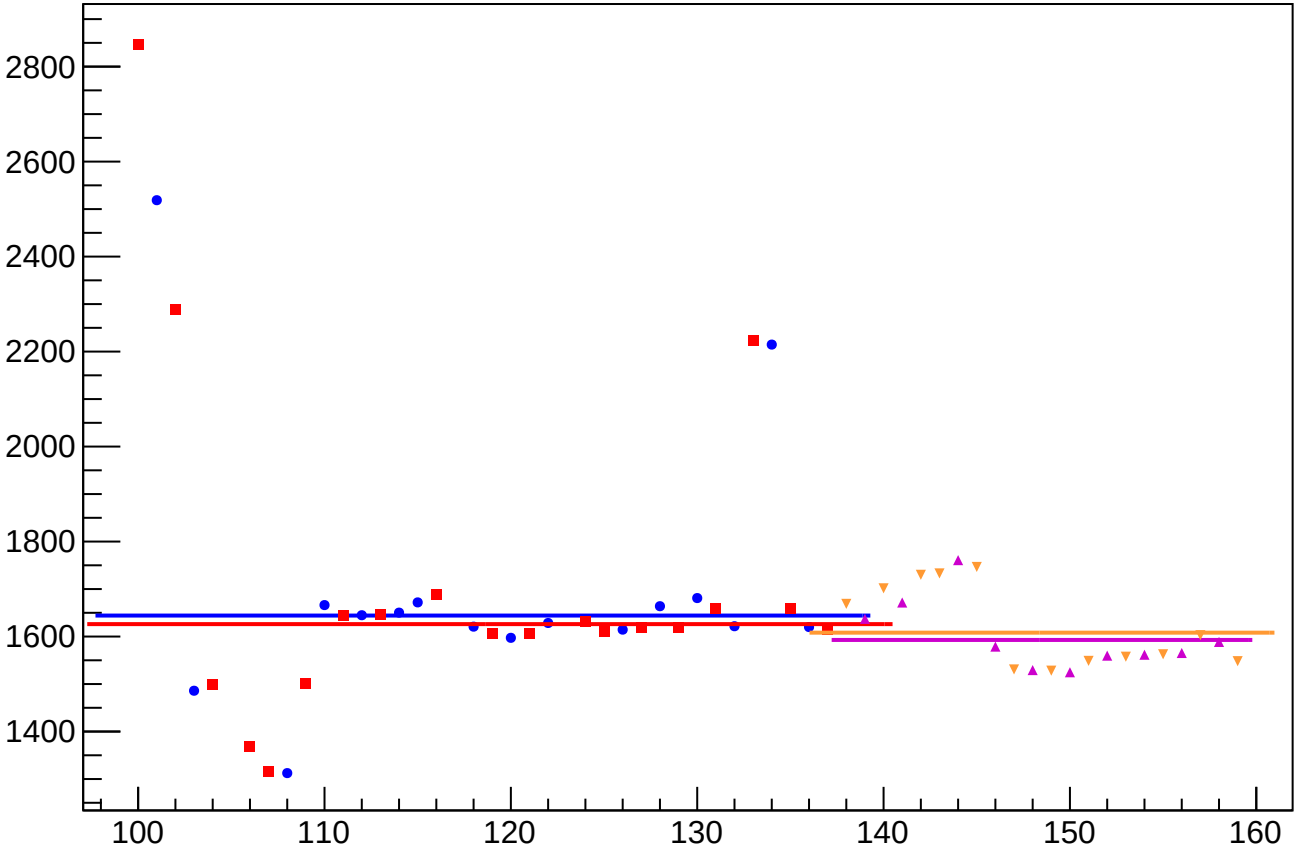
Left In: -3006.356+/-539.747 χ^2/NDF:9.1/9

+ sign 2024.535+/-398.043 χ^2/NDF: 26.2/27

All: -313.202+/-283.367 χ^2/NDF: 122.9/56

- sign -2715.424+/-403.496 χ^2/NDF: 26.8/28

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

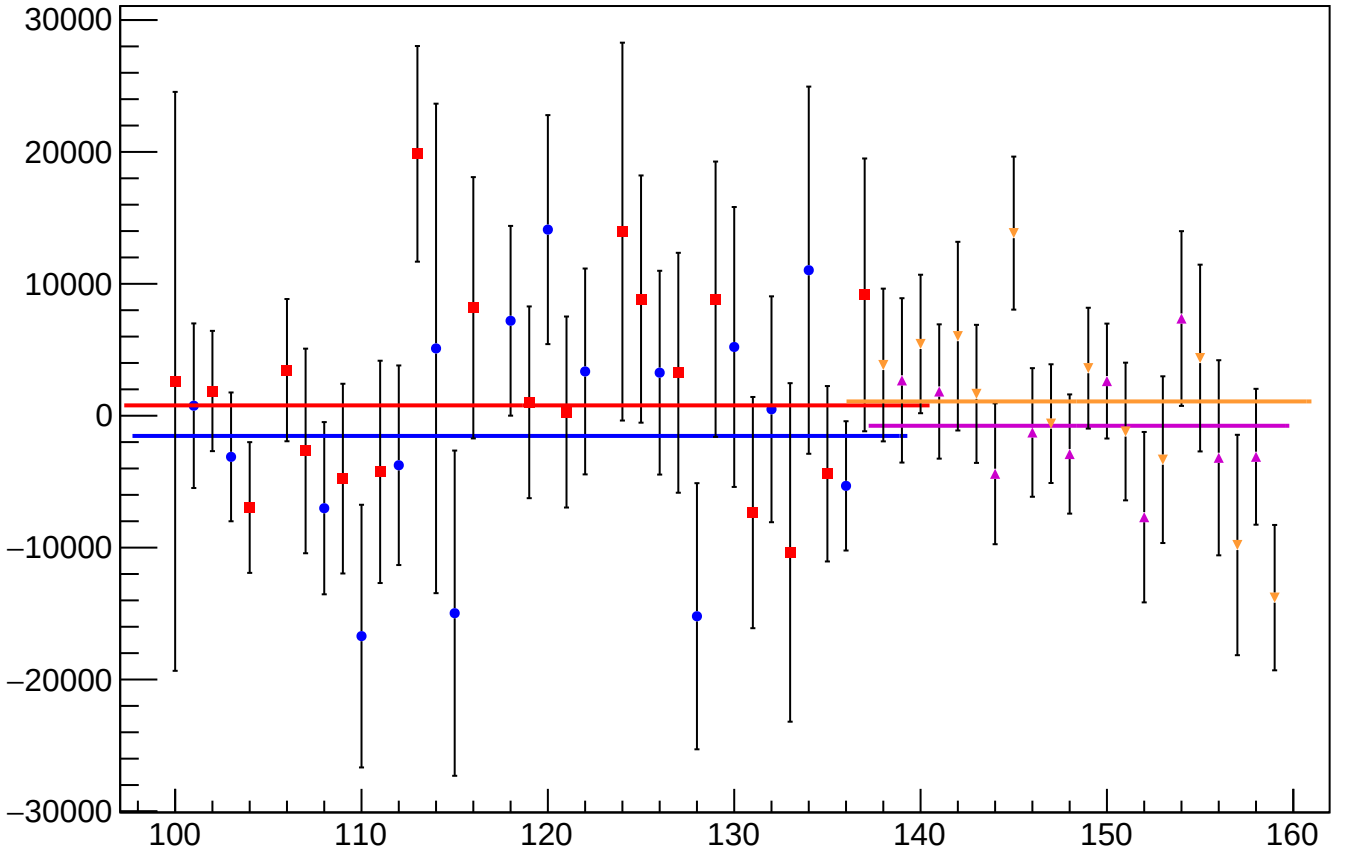
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1592.838+/-0.382 χ^2/NDF:30181.0/9

+ sign 1623.194+/-0.281 χ^2/NDF: 326001.3/27

All: 1615.480+/-0.200 χ^2/NDF: 598712.5/56

- sign 1607.559+/-0.285 χ^2/NDF: 271188.6/28



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1083.709+/-1626.806 χ^2/NDF:16.6/11

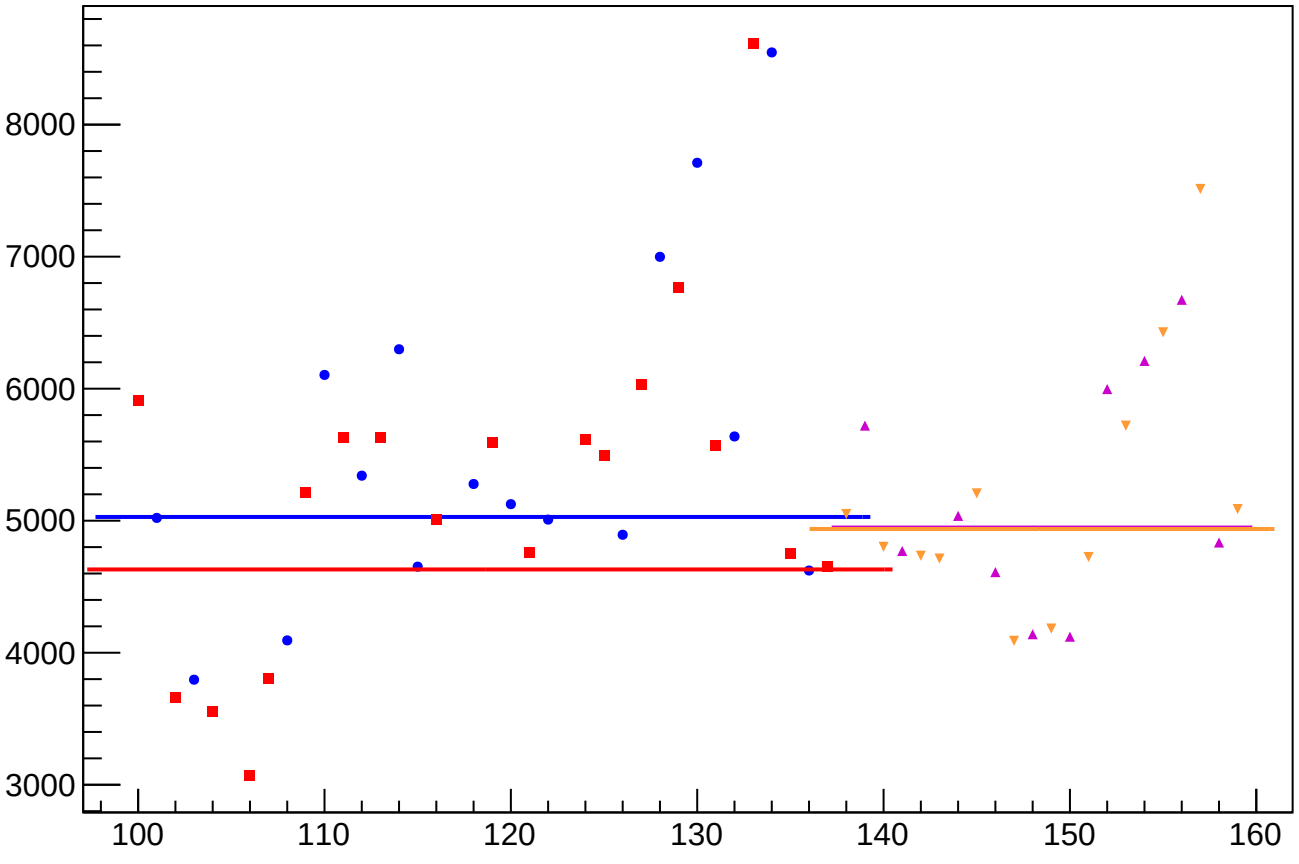
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -761.855+/-1700.444 χ^2/NDF:4.8/9

+ sign -13.549+/-1239.502 χ^2/NDF: 31.5/27

All: -11.936+/-869.140 χ^2/NDF: 51.8/56

- sign -10.376+/-1219.052 χ^2/NDF: 20.3/28



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

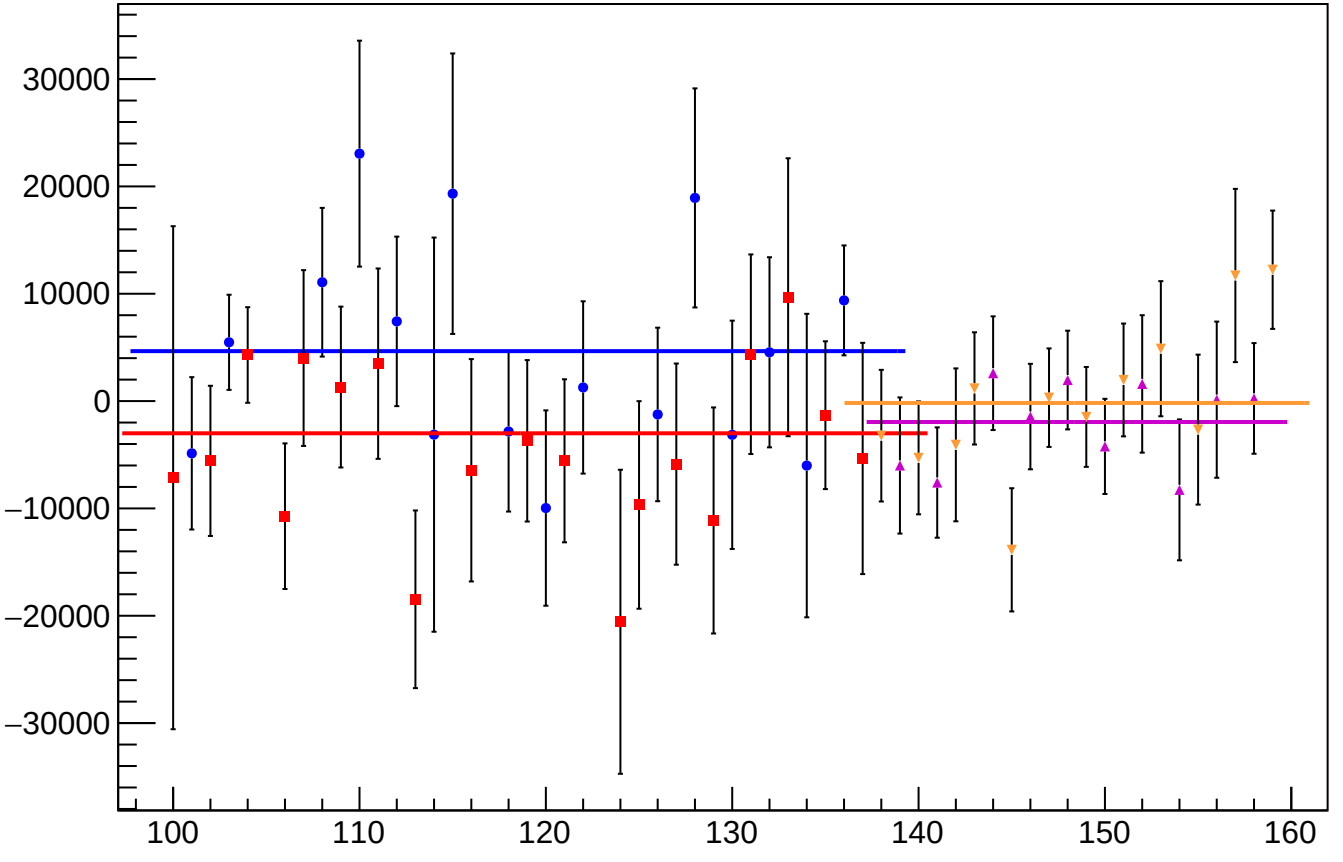
Left In: 4948.223+/-1.202 χ^2/NDF:414333.7/9

+ sign 4975.548+/-0.876 χ^2/NDF: 1018964.3/27

All: 4883.256+/-0.615 χ^2/NDF: 2352474.0/56

- sign 4793.985+/-0.862 χ^2/NDF: 1311696.3/28

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

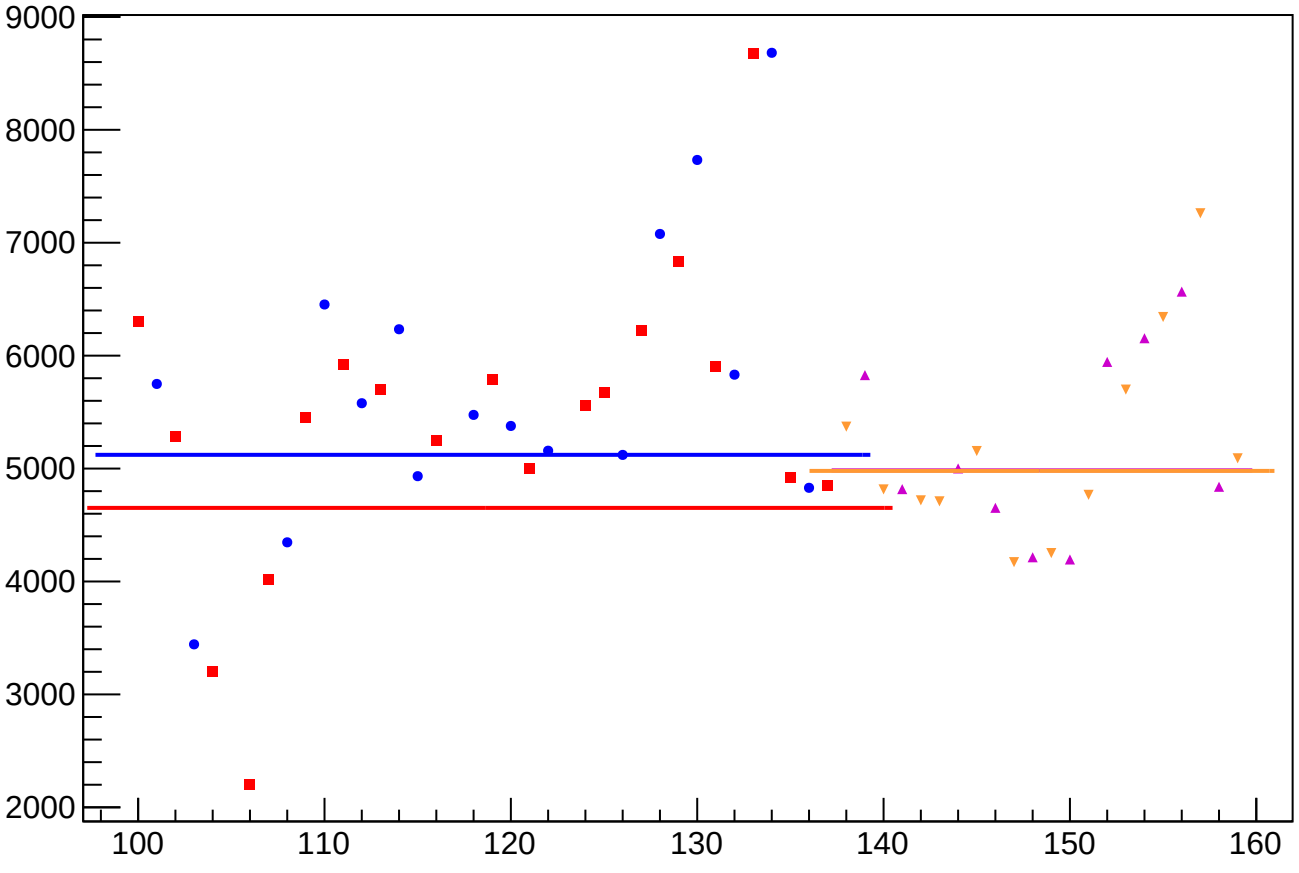
Left In: -1950.301+/-1709.697 χ^2/NDF:4.8/9

+ sign 1810.489+/-1255.907 χ^2/NDF: 34.6/27

All: -290.821+/-891.512 χ^2/NDF: 59.1/56

- sign -2425.126+/-1265.728 χ^2/NDF: 18.9/28

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

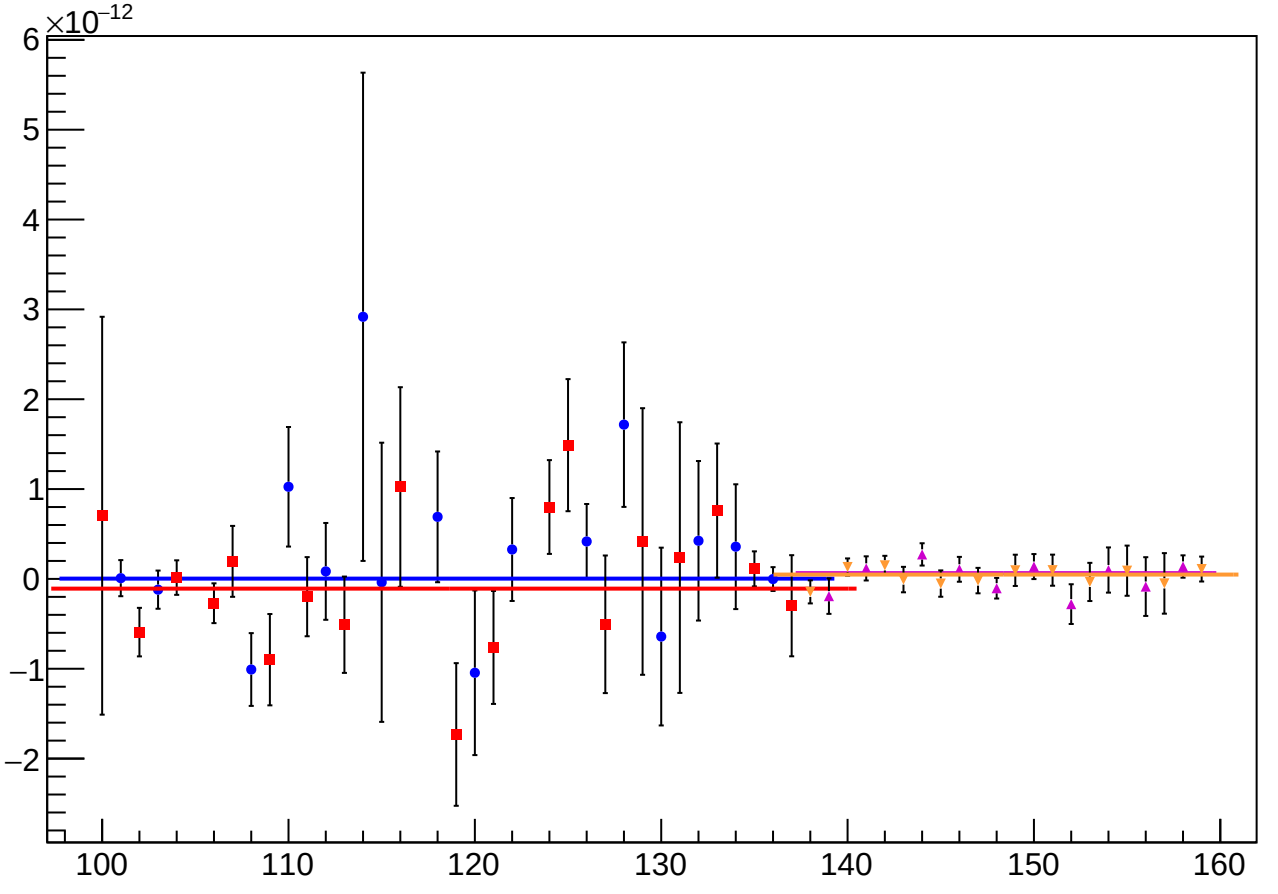
Left In: 4984.262+/-1.209 χ^2/NDF:370852.8/9

+ sign 5037.851+/-0.888 χ^2/NDF: 1123717.3/27

All: 4931.612+/-0.625 χ^2/NDF: 2903432.1/56

- sign 4827.527+/-0.879 χ^2/NDF: 1751382.0/28

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

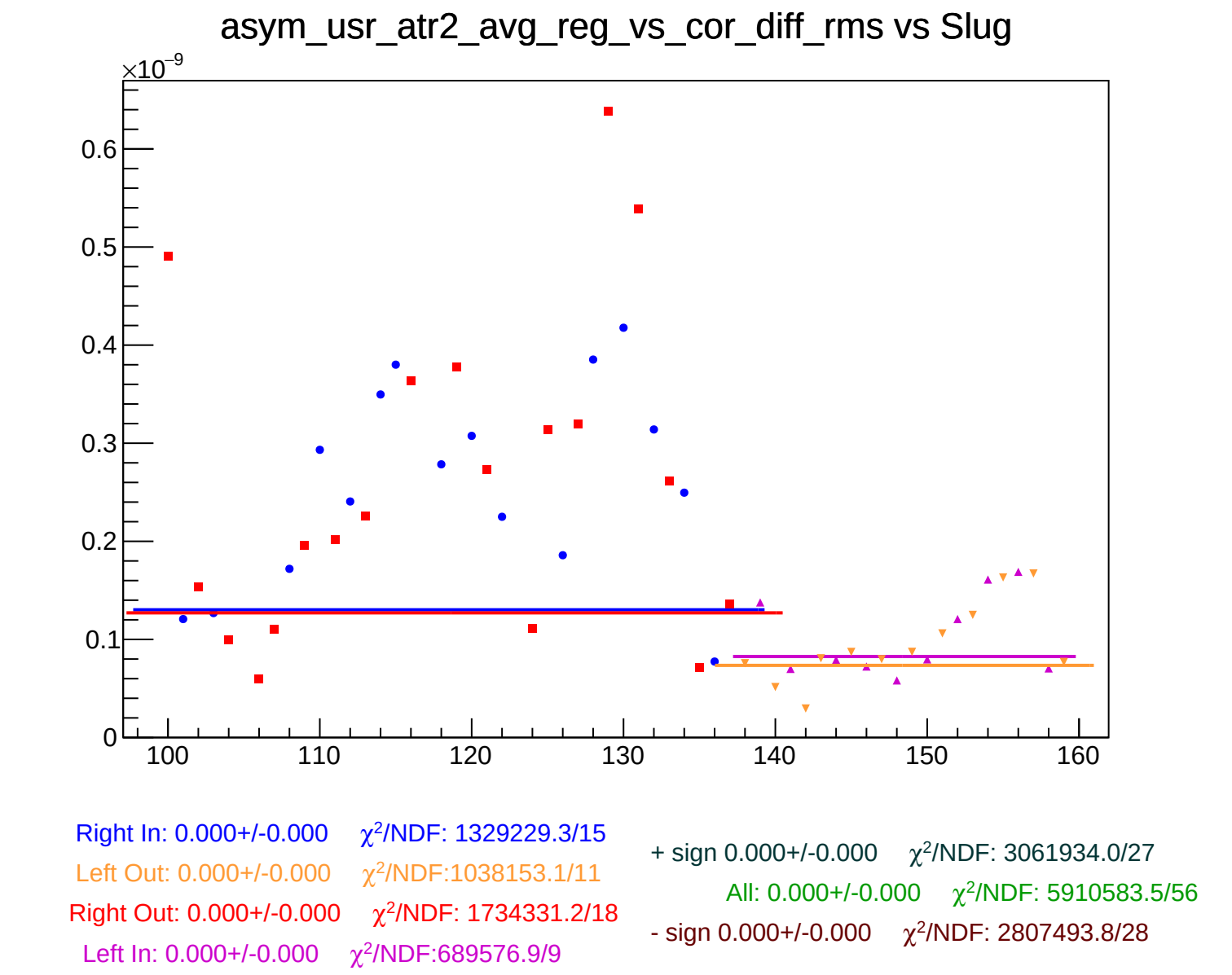
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

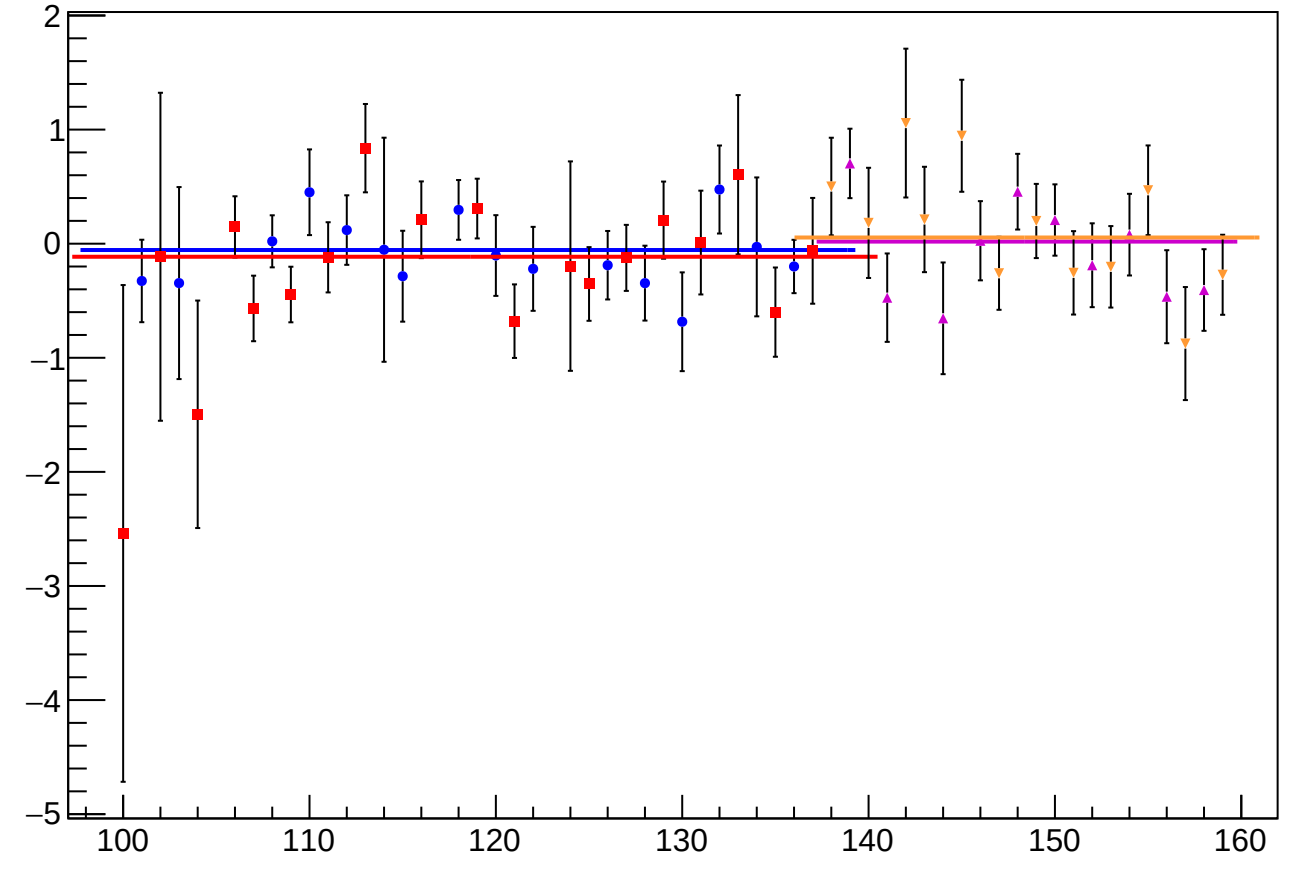
Left In: 0.000+/-0.000 χ^2/NDF:10.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/27

All: 0.000+/-0.000 χ^2/NDF: 61.9/56

- sign 0.000+/-0.000 χ^2/NDF: 38.2/28


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:689576.9/9
+ sign 0.000+/-0.000 χ²/NDF: 3061934.0/27
All: 0.000+/-0.000 χ²/NDF: 5910583.5/56
- sign 0.000+/-0.000 χ²/NDF: 2807493.8/28



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

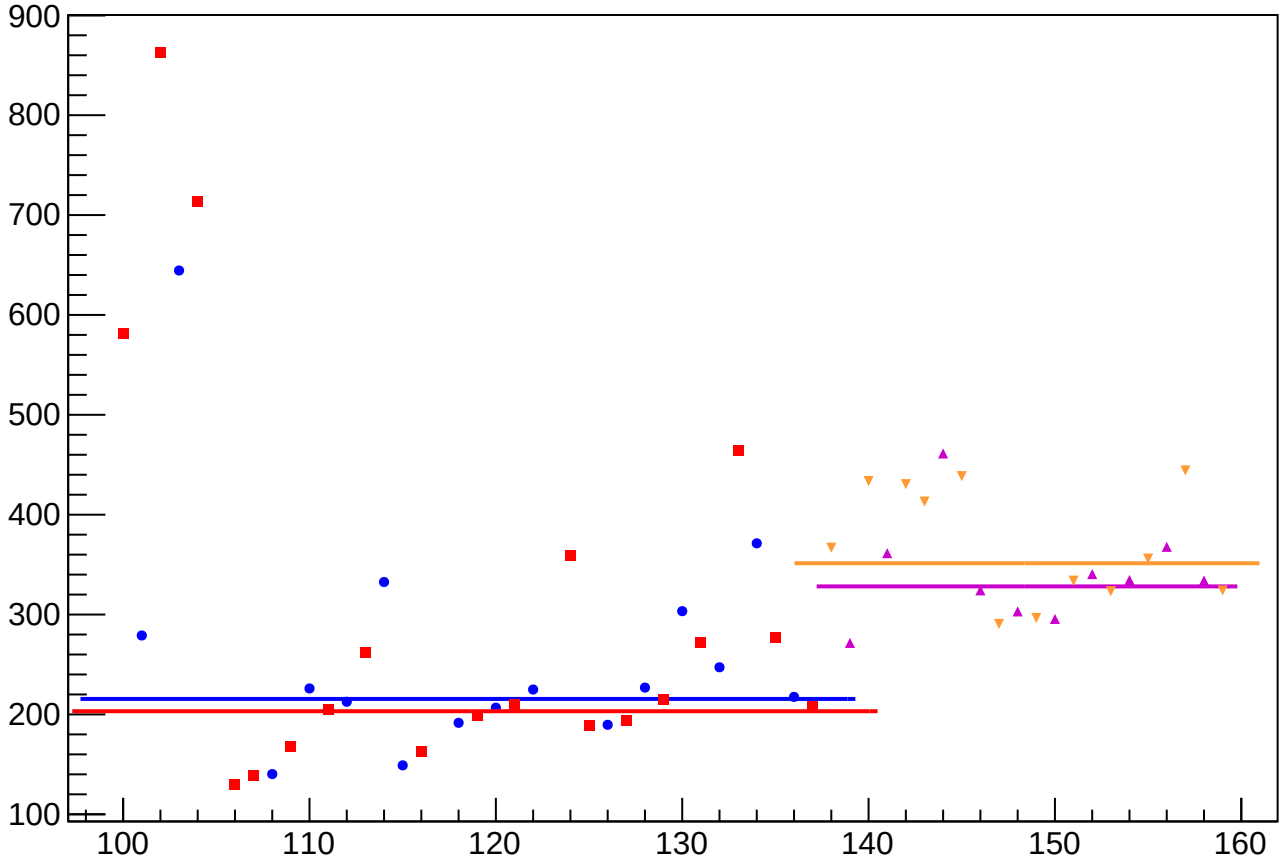
Left In: 0.018+/-0.113 χ^2/NDF:13.8/9

+ sign -0.017+/-0.069 χ^2/NDF: 26.1/27

All: -0.043+/-0.048 χ^2/NDF: 66.3/56

- sign -0.068+/-0.067 χ^2/NDF: 40.0/28

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

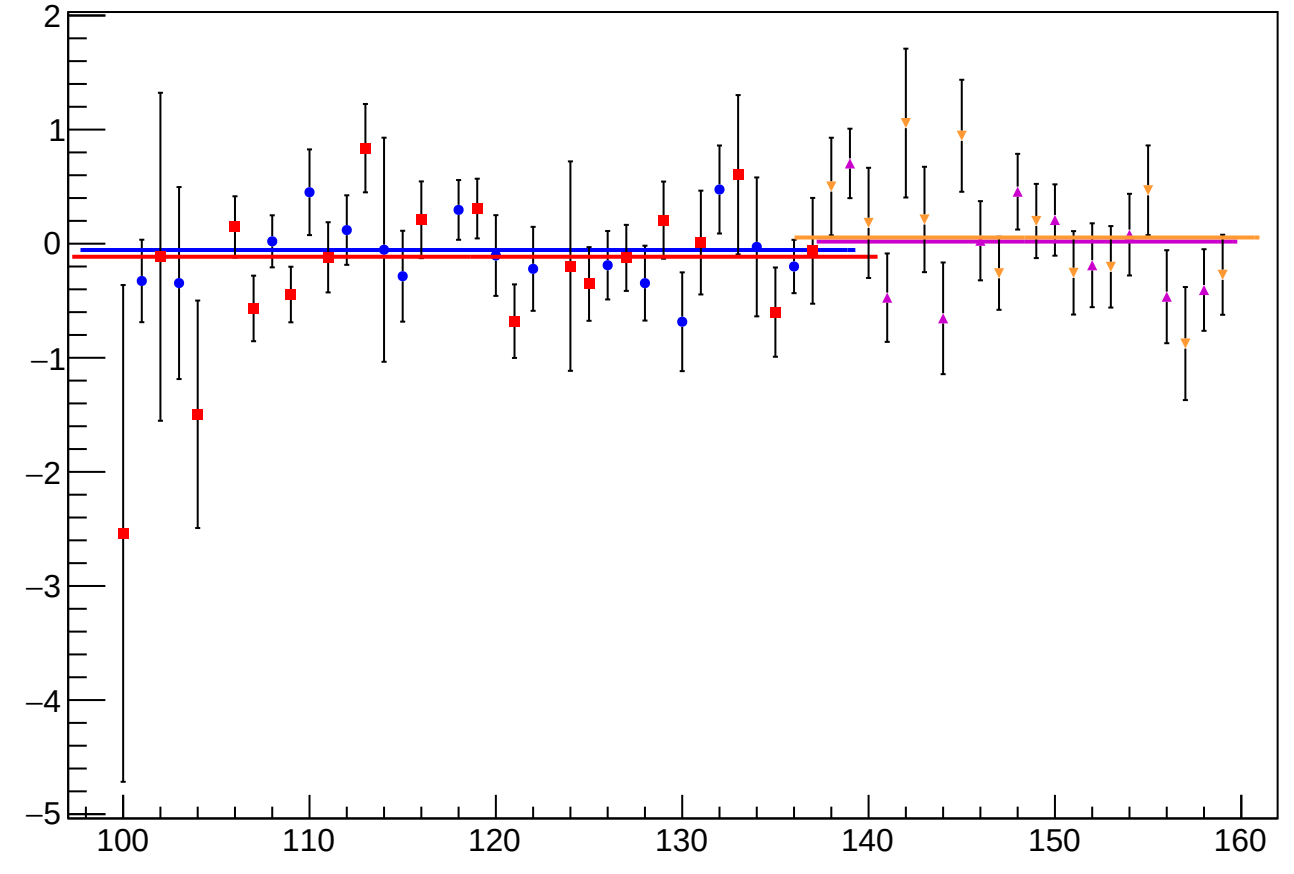
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 328.187+/-0.080 χ^2/NDF:287580.6/9

+ sign 263.260+/-0.049 χ^2/NDF: 3341915.0/27

All: 254.989+/-0.034 χ^2/NDF: 7107463.5/56

- sign 247.150+/-0.047 χ^2/NDF: 3709299.6/28



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.054+/-0.116 χ^2/NDF:14.8/11

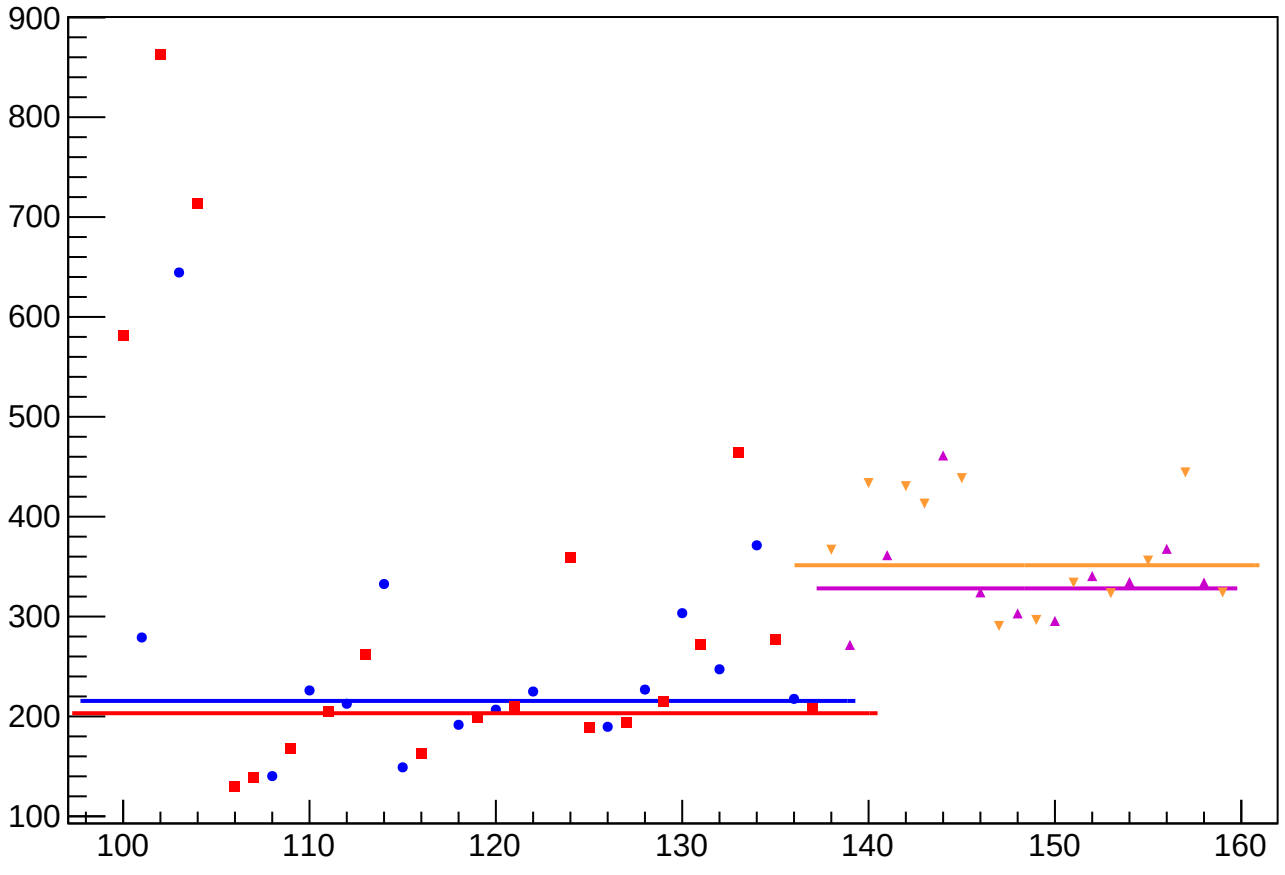
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.018+/-0.113 χ^2/NDF:13.8/9

+ sign -0.017+/-0.069 χ^2/NDF: 26.1/27

All: -0.043+/-0.048 χ^2/NDF: 66.3/56

- sign -0.068+/-0.067 χ^2/NDF: 40.0/28



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.372+/-0.082 χ^2/NDF:417490.0/11

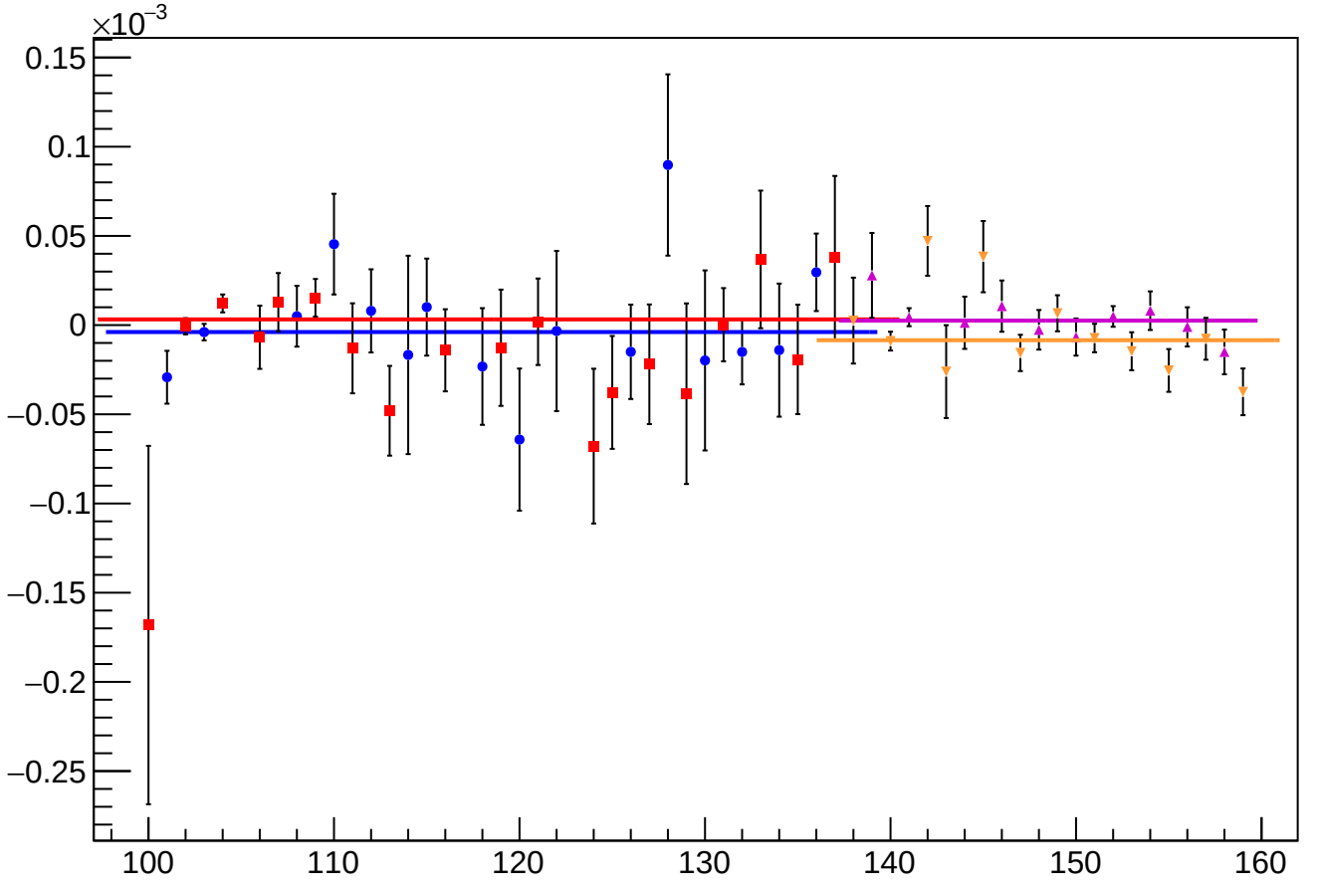
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 328.187+/-0.080 χ^2/NDF:287580.6/9

+ sign 263.260+/-0.049 χ^2/NDF: 3341915.0/27

All: 254.989+/-0.034 χ^2/NDF: 7107463.5/56

- sign 247.150+/-0.047 χ^2/NDF: 3709299.6/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.3/11

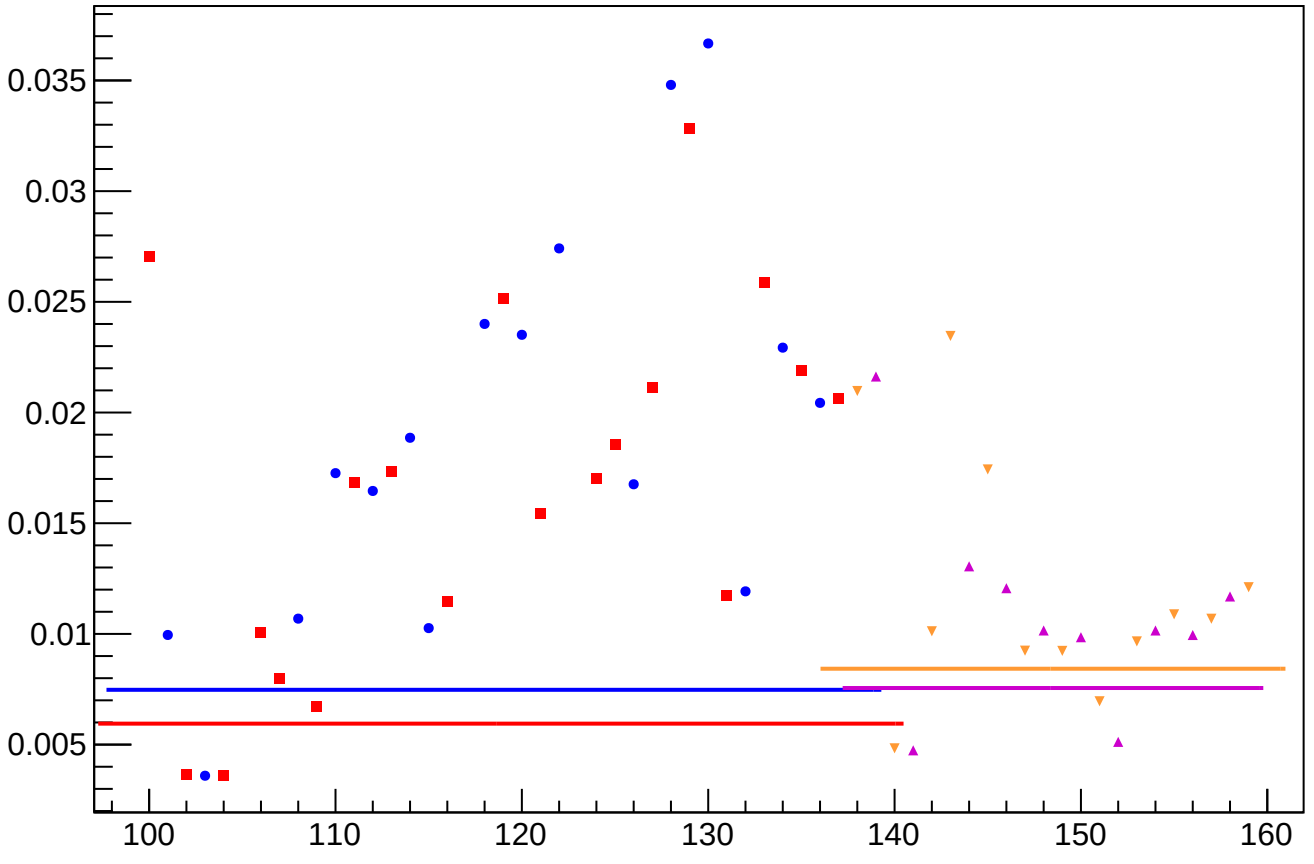
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 41.1/27

All: -0.000+/-0.000 χ^2/NDF: 77.2/56

- sign 0.000+/-0.000 χ^2/NDF: 26.8/28



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2997561.8/11

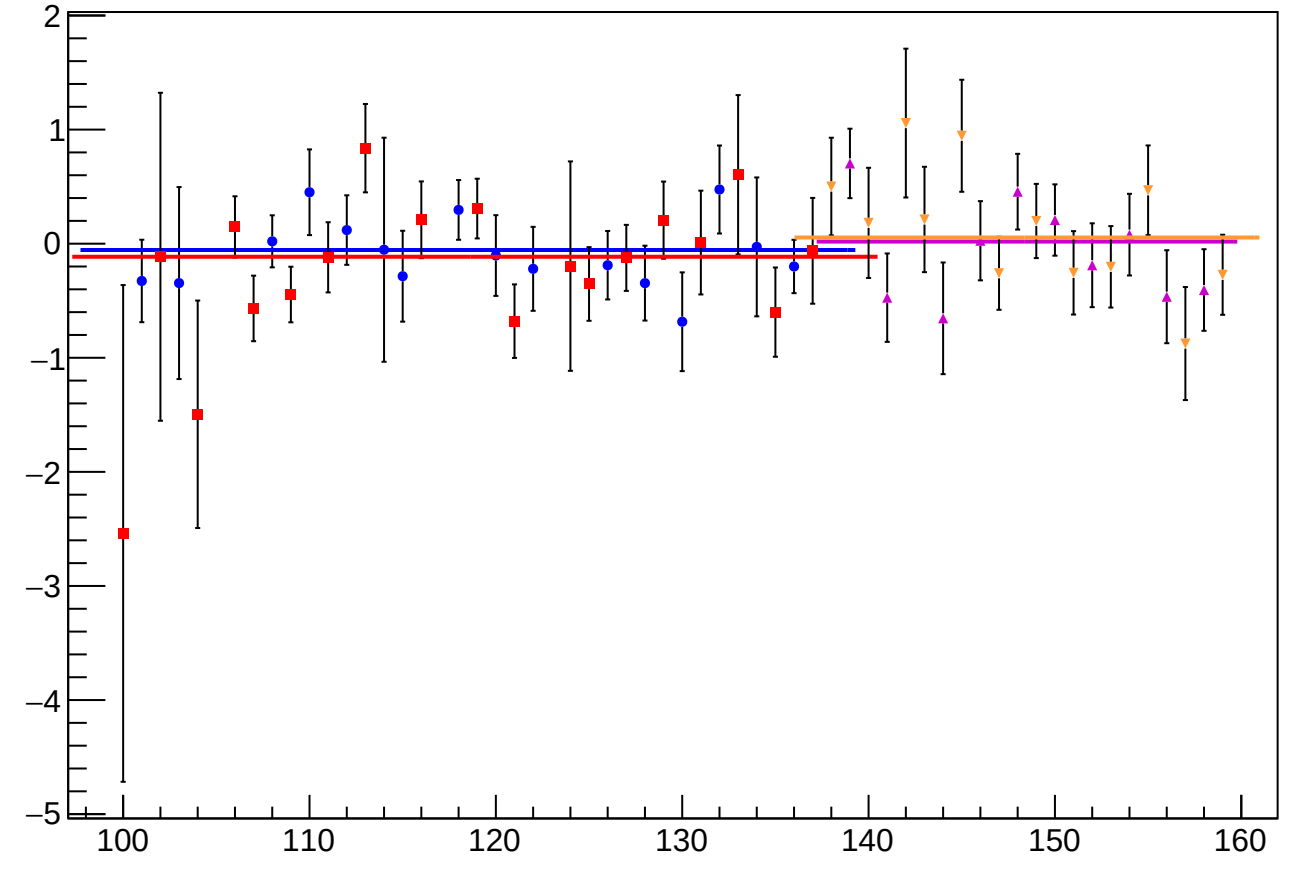
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:2789357.9/9

+ sign 0.008+/-0.000 χ^2/NDF: 9150648.3/27

All: 0.007+/-0.000 χ^2/NDF: 18529176.1/56

- sign 0.007+/-0.000 χ^2/NDF: 9034307.1/28



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.054+/-0.116 χ^2/NDF:14.8/11

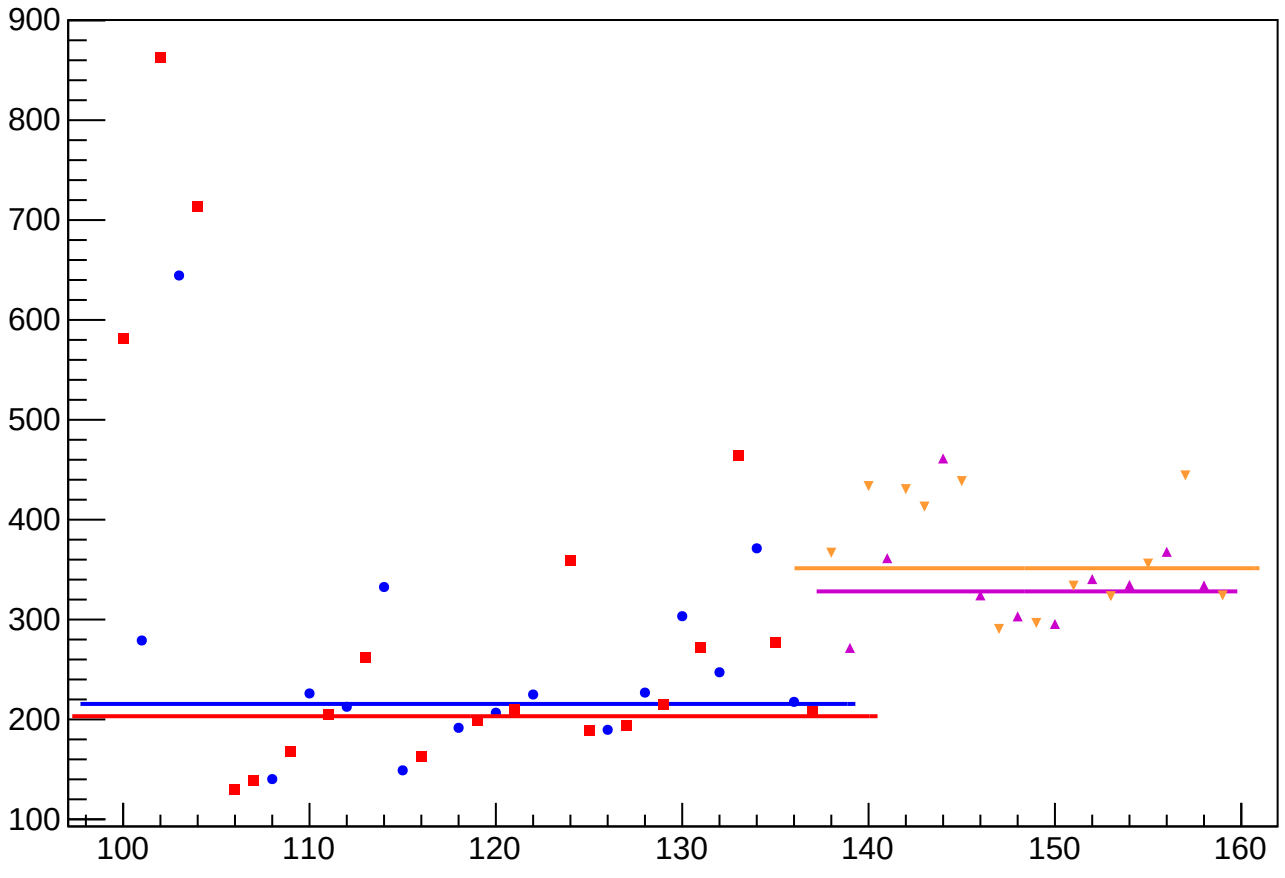
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.018+/-0.113 χ^2/NDF:13.8/9

+ sign -0.017+/-0.069 χ^2/NDF: 26.1/27

All: -0.043+/-0.048 χ^2/NDF: 66.3/56

- sign -0.068+/-0.067 χ^2/NDF: 40.0/28



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.377+/-0.082 χ^2/NDF:417478.4/11

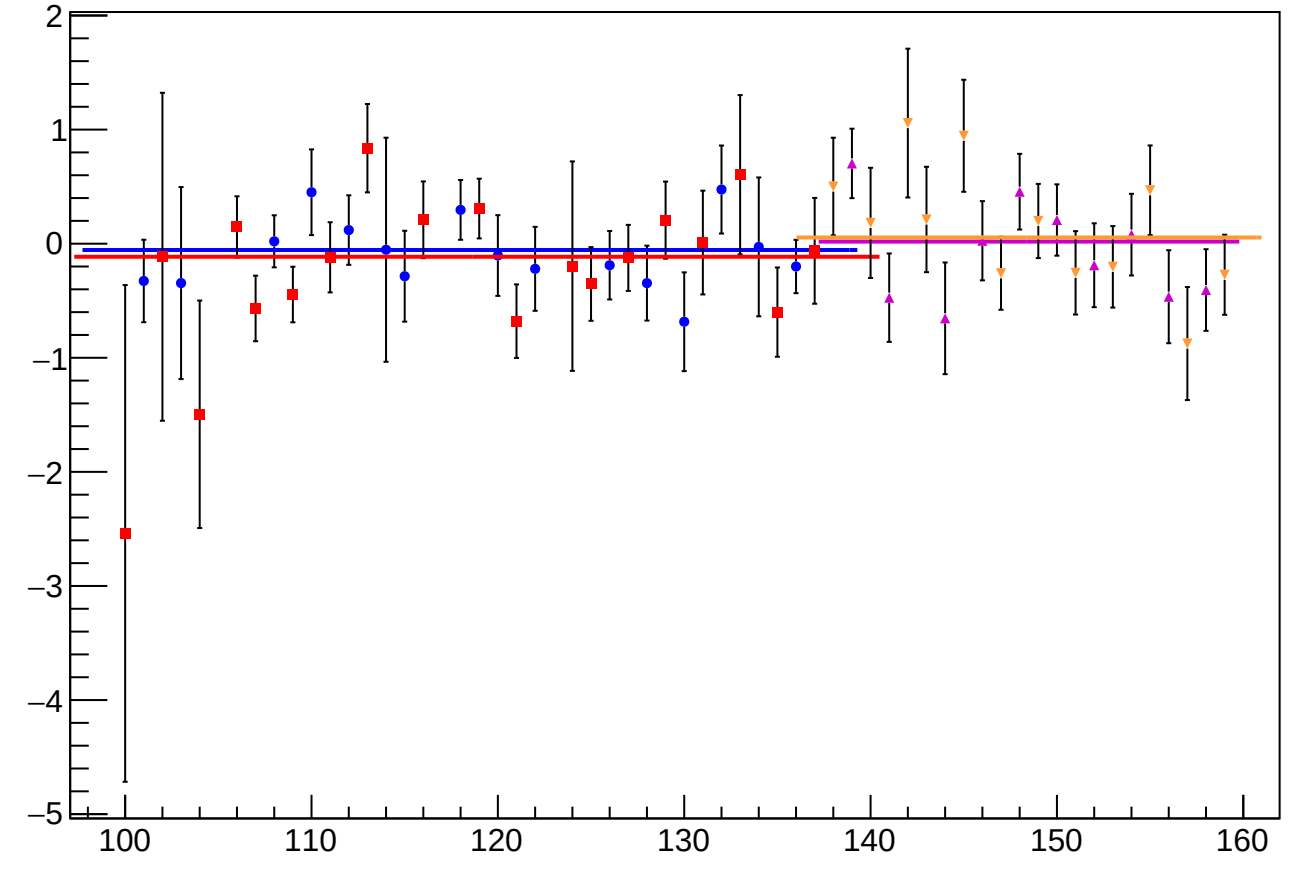
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 328.192+/-0.080 χ^2/NDF:287565.5/9

+ sign 263.260+/-0.049 χ^2/NDF: 3342016.0/27

All: 254.989+/-0.034 χ^2/NDF: 7107672.4/56

- sign 247.150+/-0.047 χ^2/NDF: 3709405.8/28



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.054+/-0.116 χ^2/NDF:14.8/11

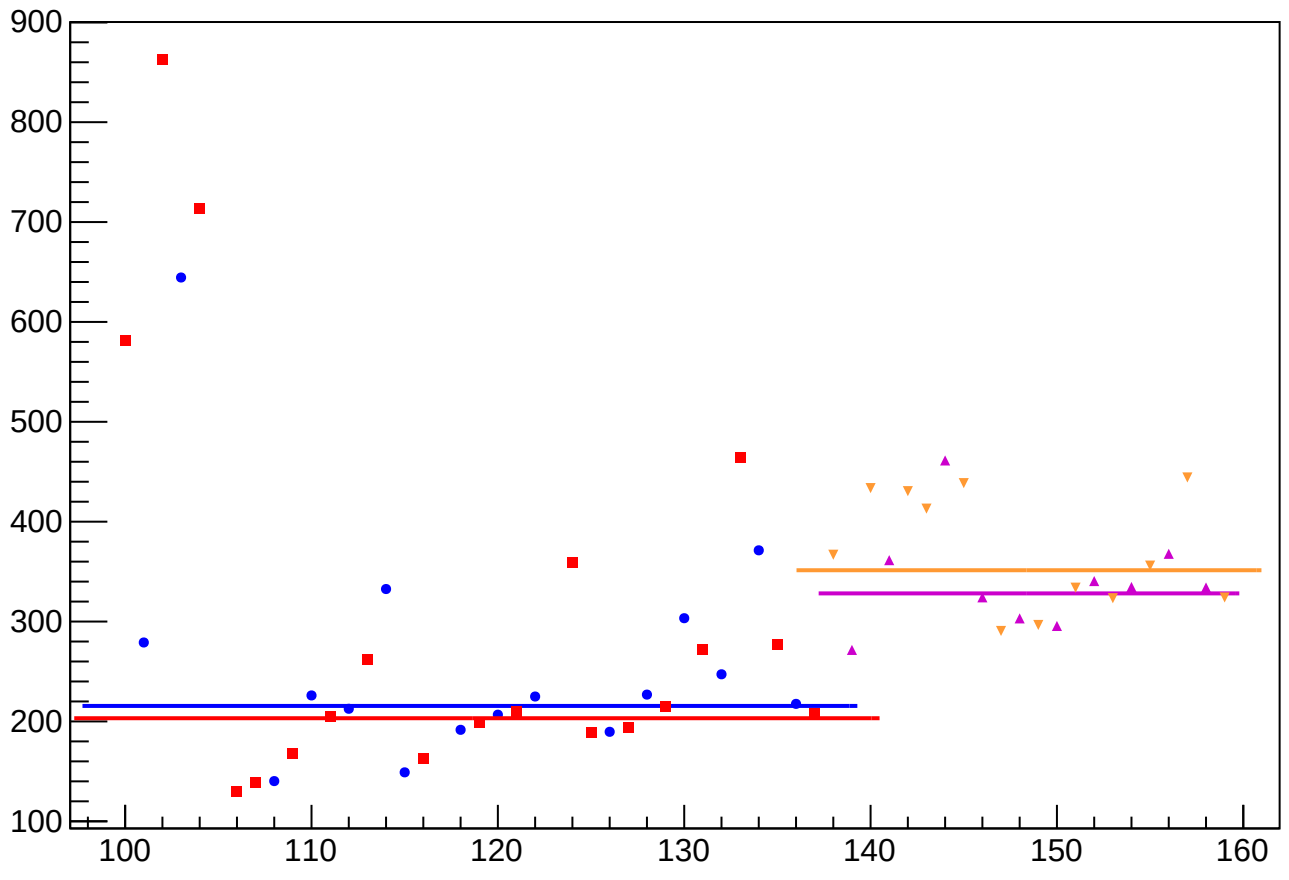
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.018+/-0.113 χ^2/NDF:13.8/9

+ sign -0.017+/-0.069 χ^2/NDF: 26.1/27

All: -0.043+/-0.048 χ^2/NDF: 66.3/56

- sign -0.068+/-0.067 χ^2/NDF: 40.0/28



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.377+/-0.082 χ^2/NDF:417478.4/11

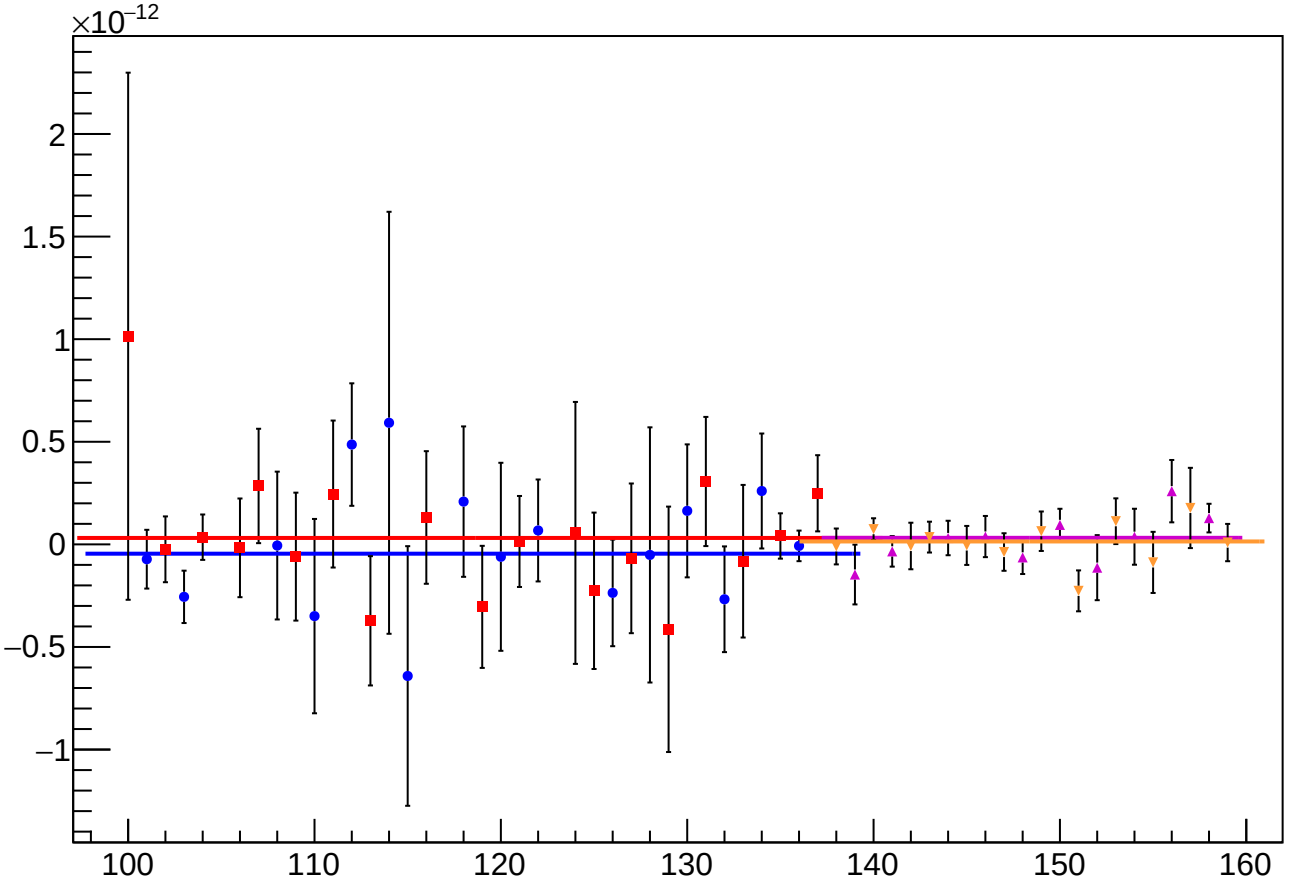
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 328.192+/-0.080 χ^2/NDF:287565.5/9

+ sign 263.260+/-0.049 χ^2/NDF: 3342016.0/27

All: 254.989+/-0.034 χ^2/NDF: 7107672.4/56

- sign 247.150+/-0.047 χ^2/NDF: 3709405.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/11

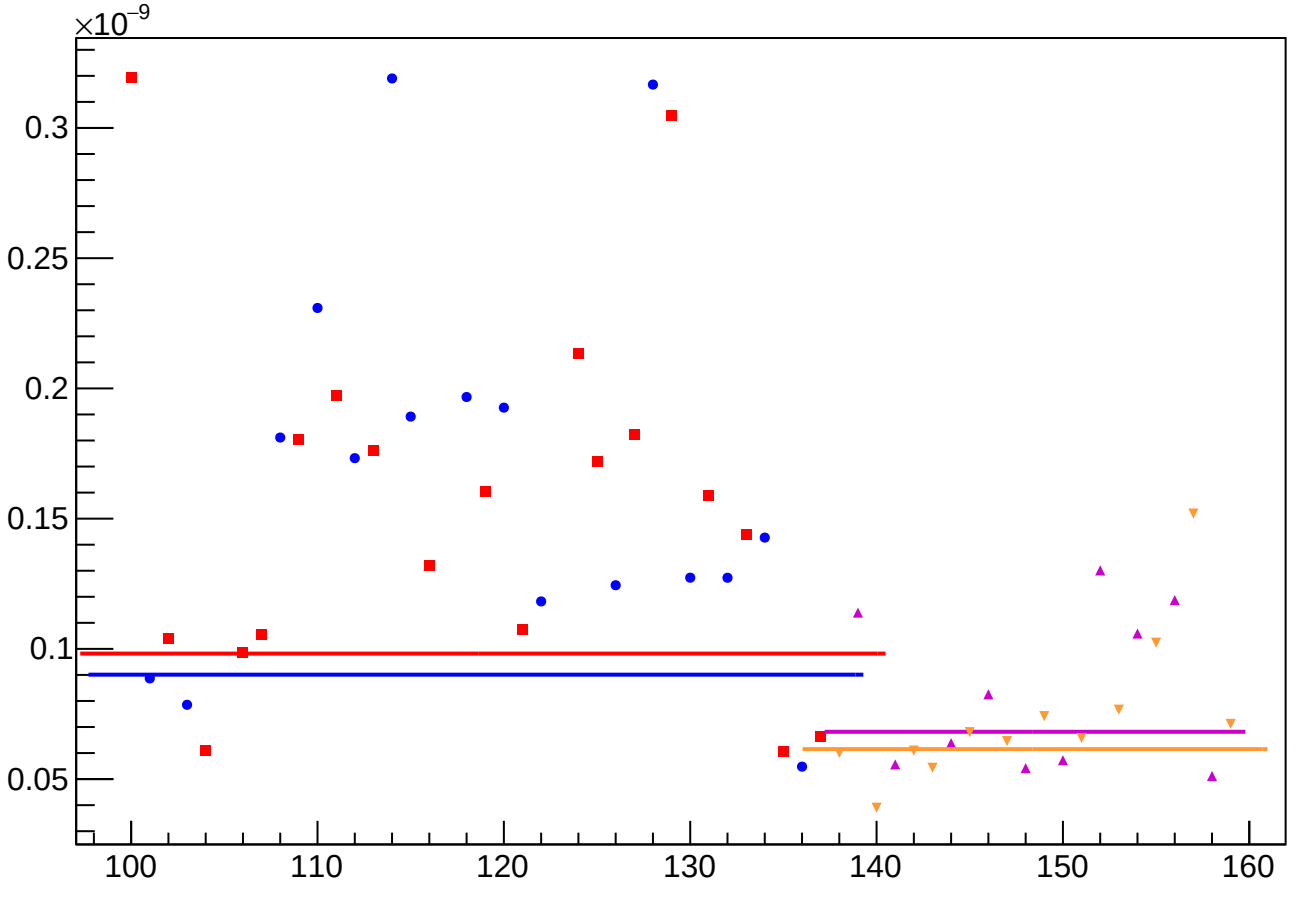
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 22.5/27

All: 0.000+/-0.000 χ^2/NDF: 40.9/56

- sign 0.000+/-0.000 χ^2/NDF: 17.7/28



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

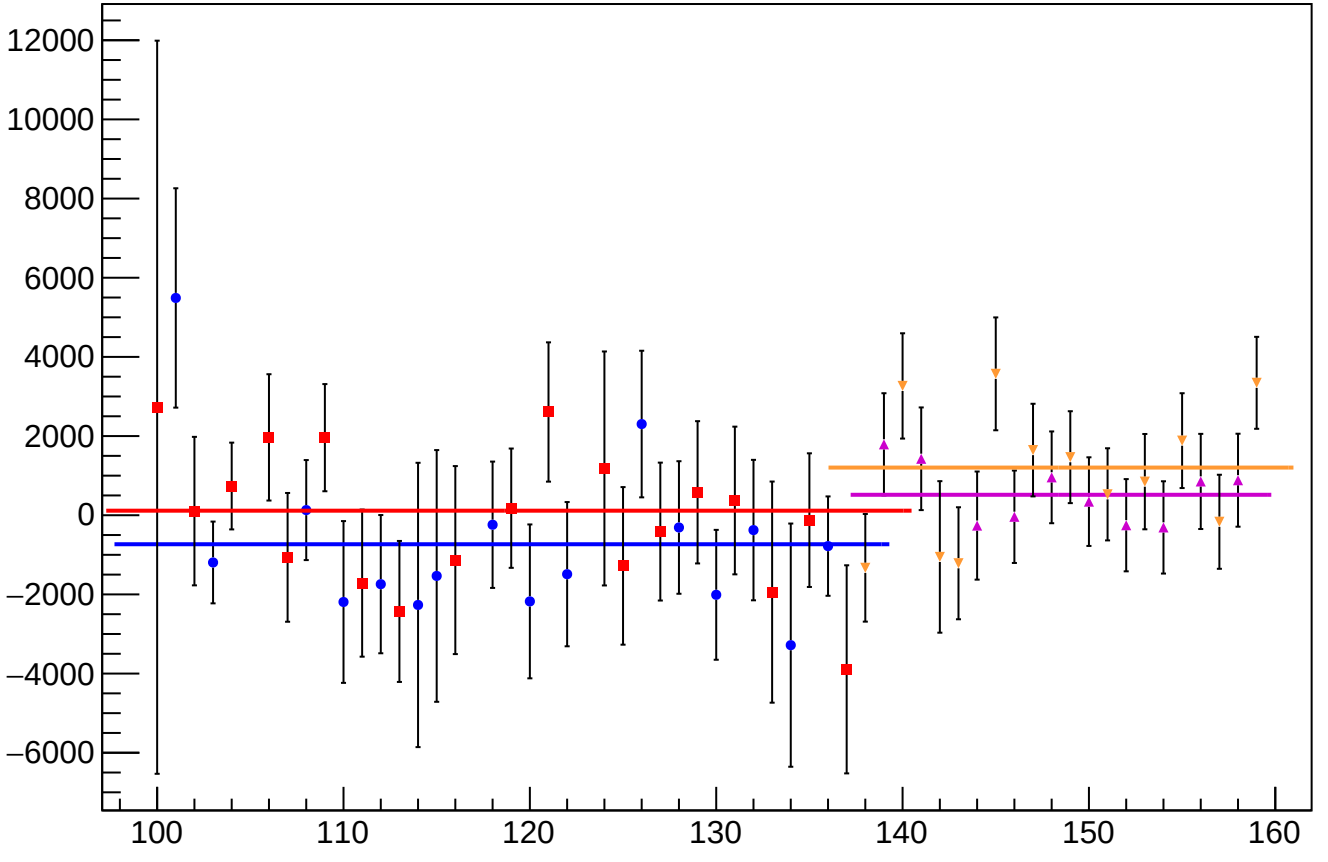
Left In: 0.000+/-0.000 χ^2/NDF:1196918.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 3386816.6/27

All: 0.000+/-0.000 χ^2/NDF: 6881886.1/56

- sign 0.000+/-0.000 χ^2/NDF: 3392123.5/28

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

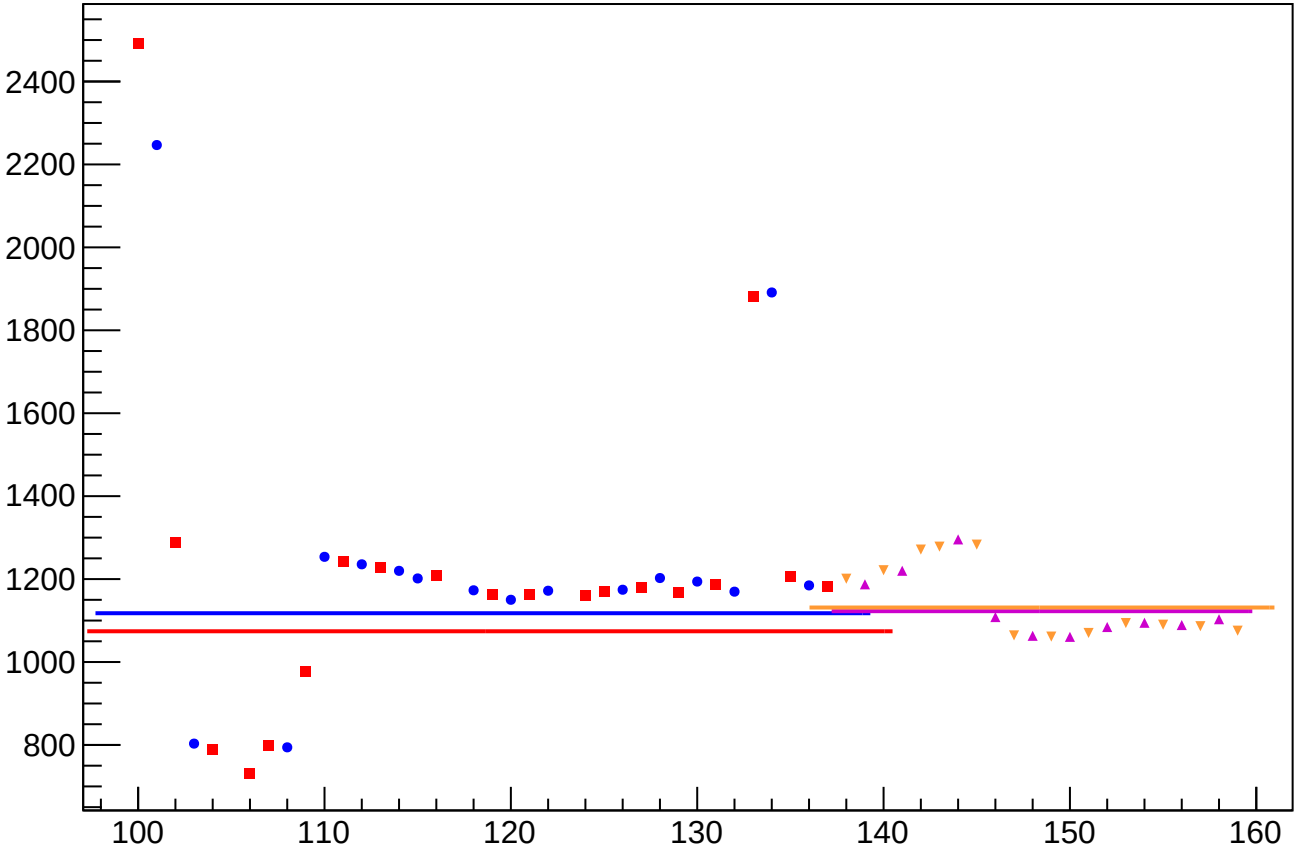
Left In: 516.596+/-380.796 χ^2/NDF:3.3/9

+ sign 381.738+/-278.498 χ^2/NDF: 42.1/27

All: 356.620+/-197.270 χ^2/NDF: 59.1/56

- sign 331.326+/-279.469 χ^2/NDF: 16.9/28

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

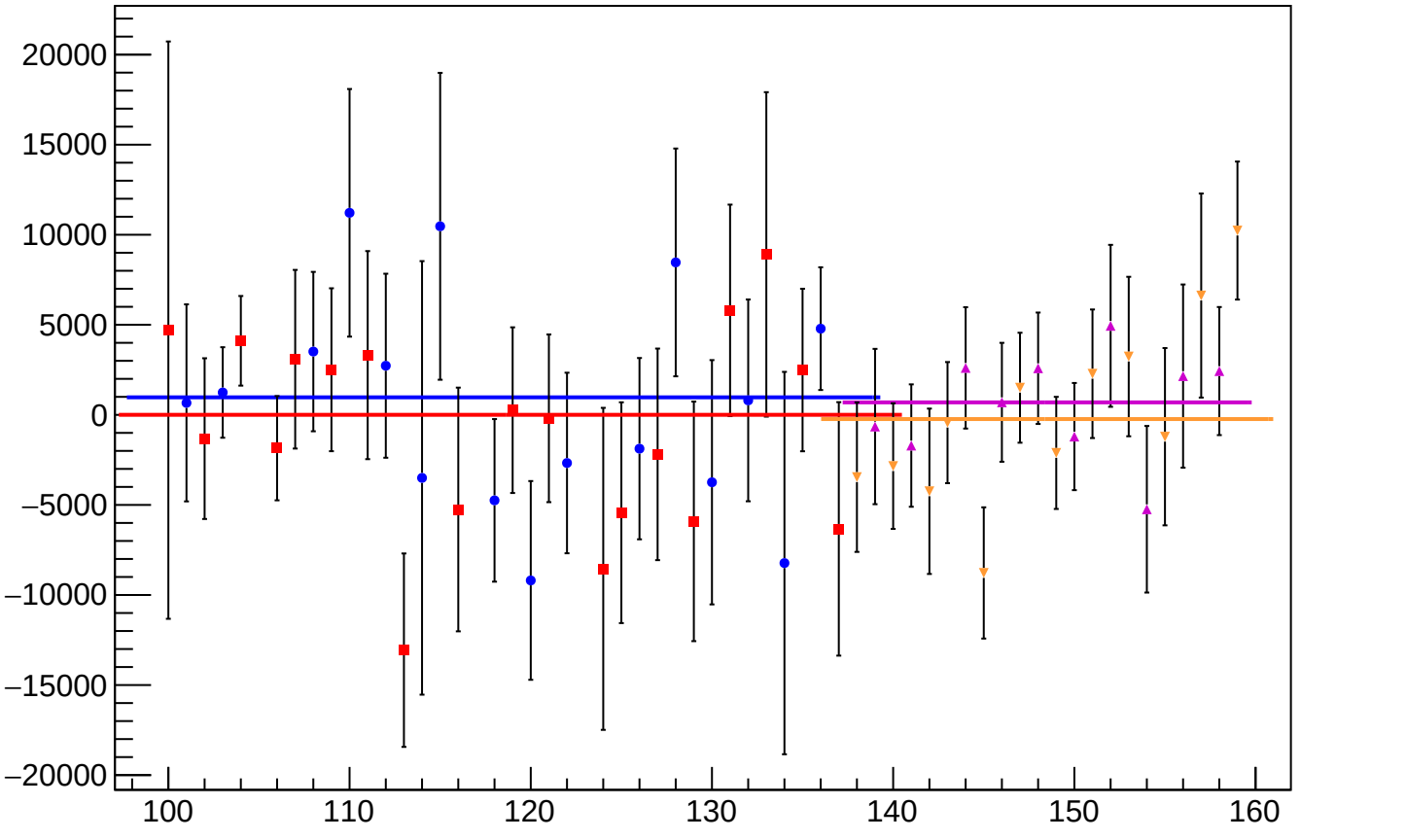
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

+ sign 1125.602+/-0.197 χ^2/NDF: 921503.1/27

All: 1112.822+/-0.139 χ^2/NDF: 1660036.9/56

- sign 1100.052+/-0.197 χ^2/NDF: 730114.2/28



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

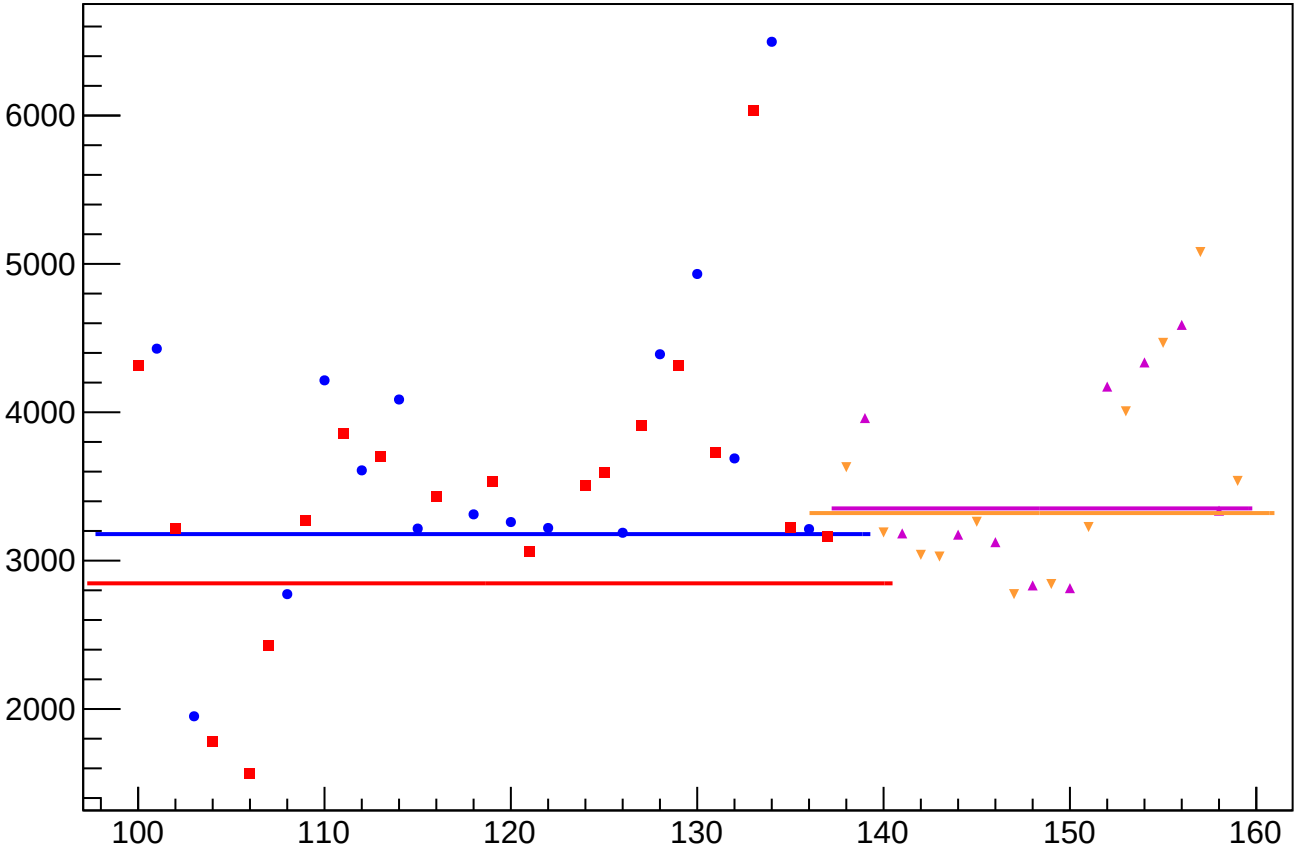
Left In: 693.262+/-1153.248 χ^2/NDF:4.6/9

\+ sign 299.918+/-819.154 χ^2/NDF: 32.5/27

All: 318.407+/-572.774 χ^2/NDF: 53.8/56

\- sign 336.095+/-801.195 χ^2/NDF: 21.3/28

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

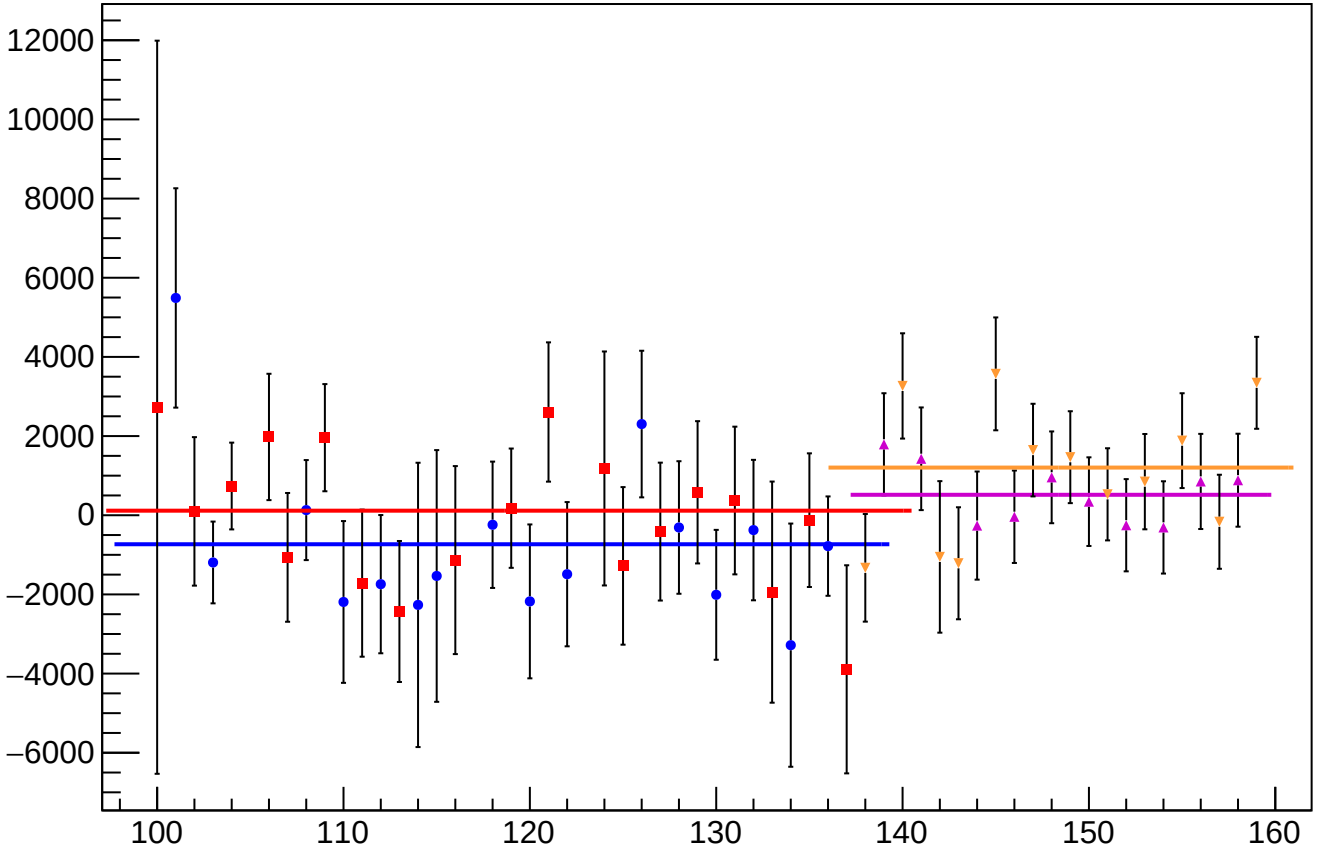
Left In: 3352.078+/-0.815 χ^2/NDF:457079.3/9

+ sign 3258.026+/-0.579 χ^2/NDF: 1612279.5/27

All: 3172.551+/-0.405 χ^2/NDF: 3821581.3/56

- sign 3090.783+/-0.567 χ^2/NDF: 2166694.4/28

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

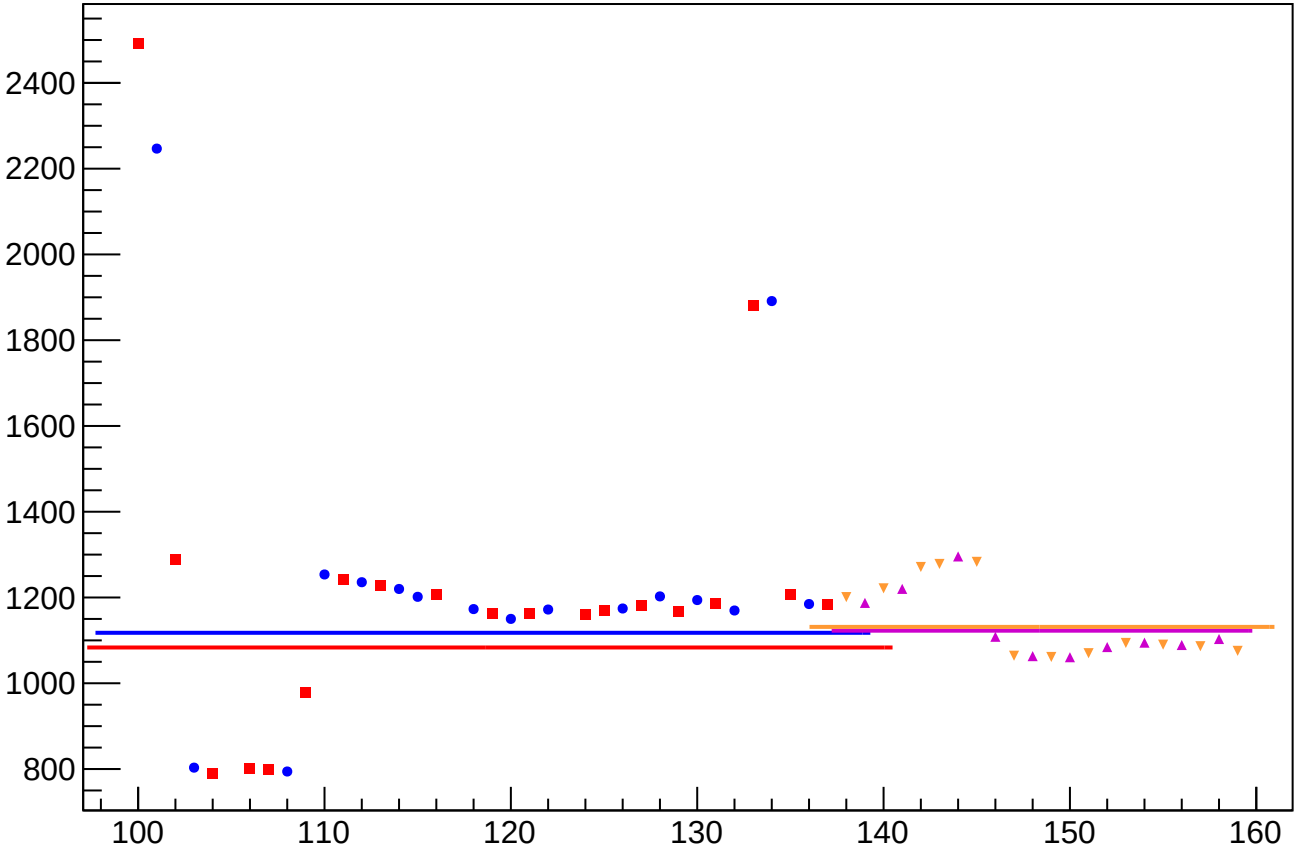
Left In: 516.641+/-380.796 χ^2/NDF:3.3/9

+ sign 381.810+/-278.498 χ^2/NDF: 42.1/27

All: 356.730+/-197.271 χ^2/NDF: 59.1/56

- sign 331.475+/-279.470 χ^2/NDF: 16.9/28

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

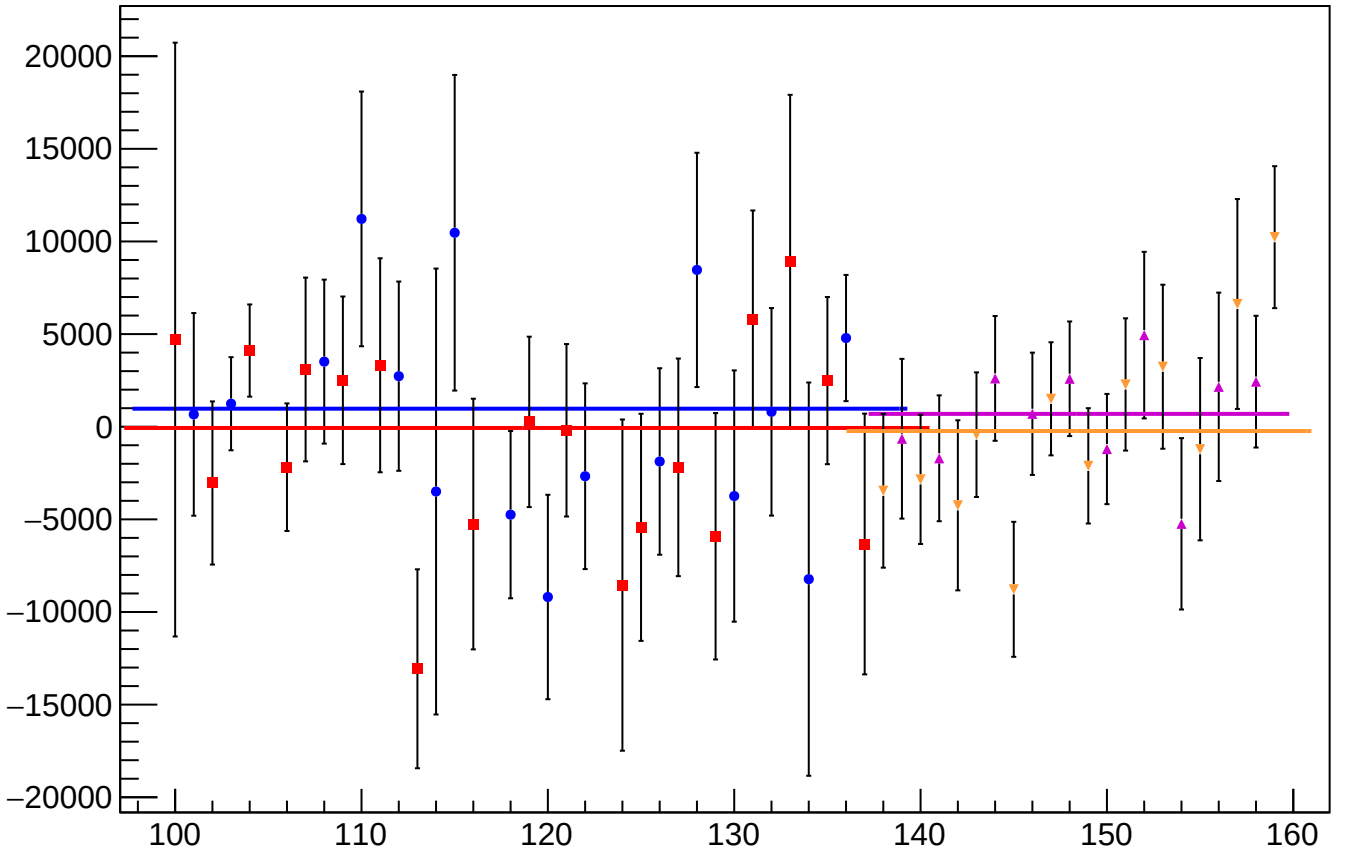
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

+ sign 1125.602+/-0.197 χ^2/NDF: 921499.6/27

All: 1115.075+/-0.139 χ^2/NDF: 1597565.4/56

- sign 1104.493+/-0.197 χ^2/NDF: 670336.0/28



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

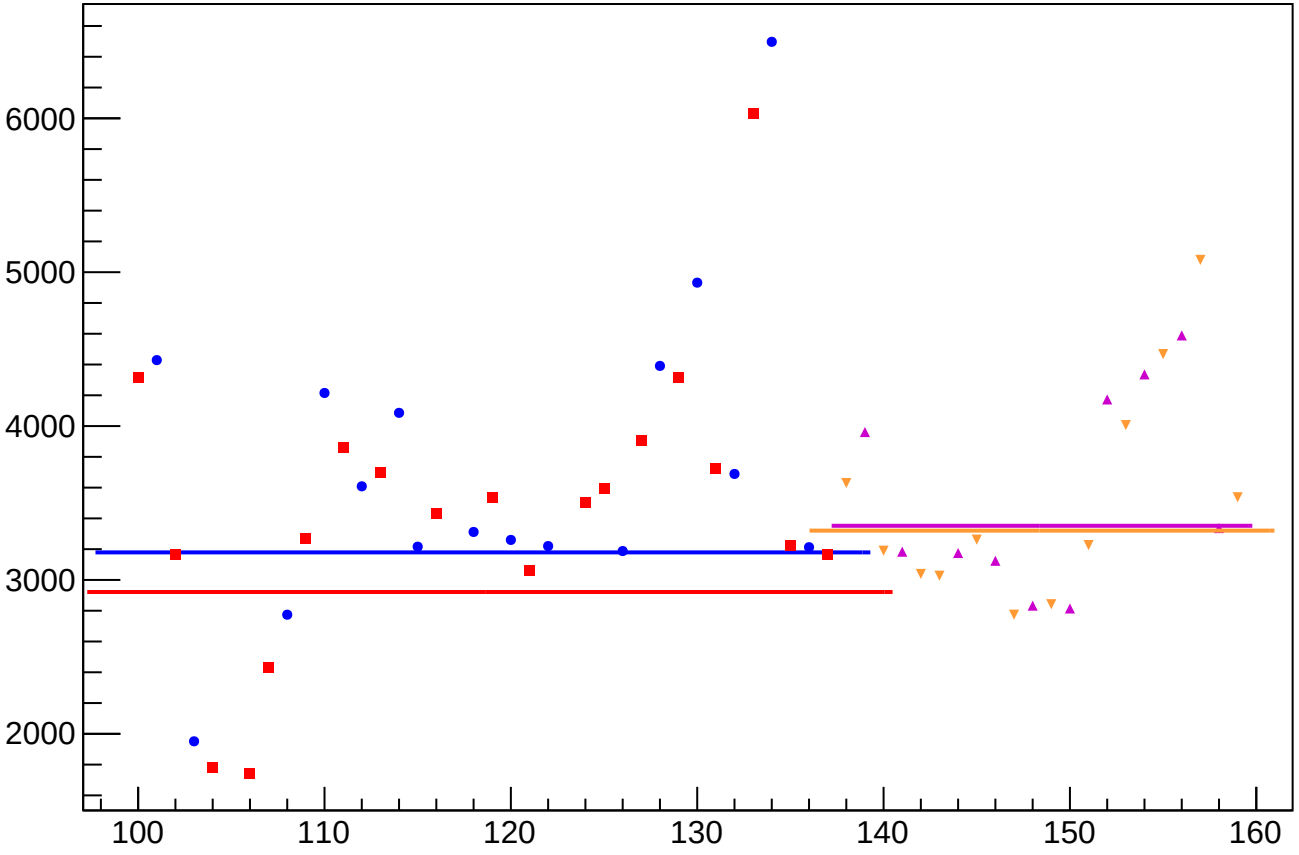
Left In: 693.303+/-1153.248 χ^2/NDF:4.6/9

+ sign 299.675+/-819.168 χ^2/NDF: 32.5/27

All: 303.884+/-575.965 χ^2/NDF: 54.3/56

- sign 307.999+/-809.986 χ^2/NDF: 21.7/28

asym_usr_atr2_dd_cor_correction_rms vs Slug



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

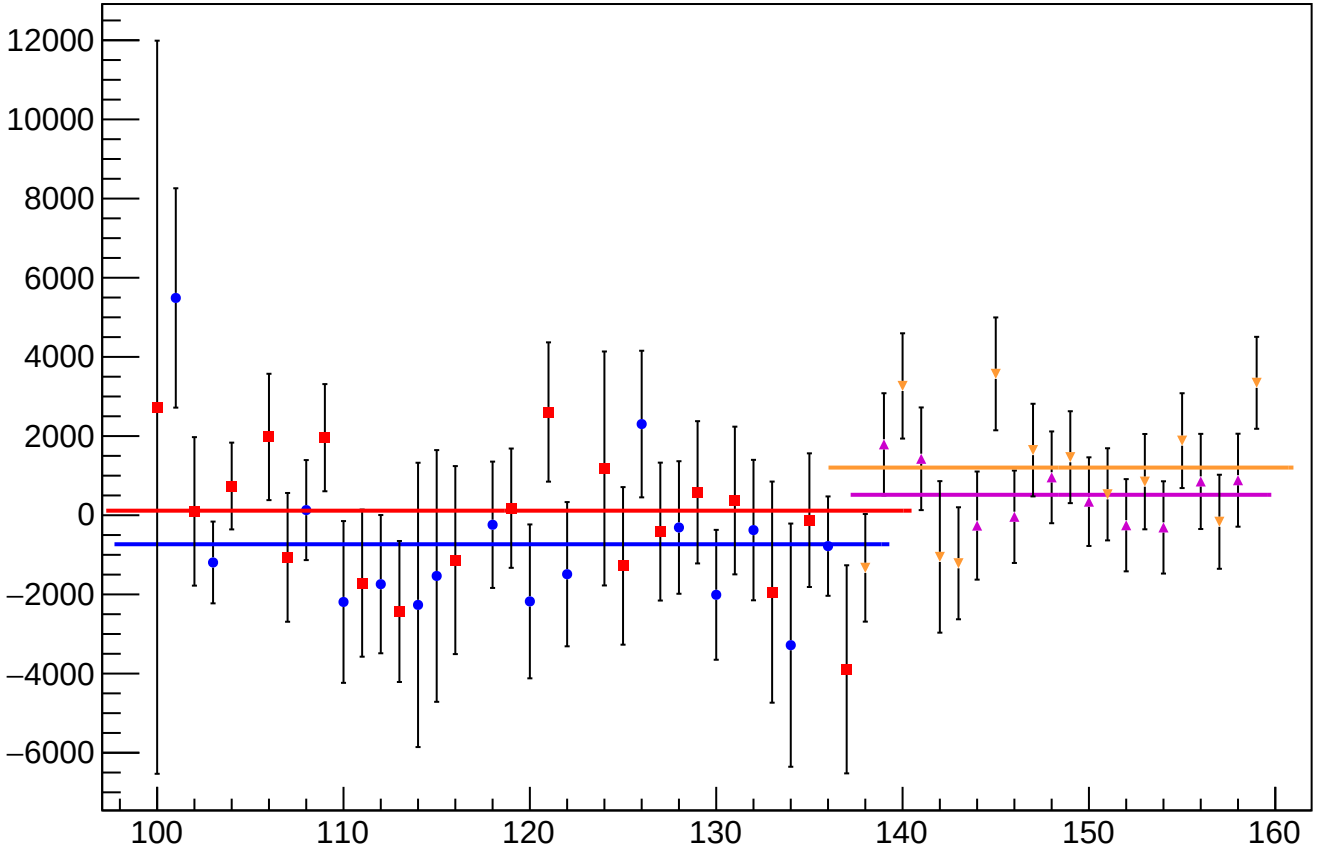
Left In: 3352.078+/-0.815 χ^2/NDF:457082.5/9

+ sign 3258.108+/-0.579 χ^2/NDF: 1611801.4/27

All: 3195.342+/-0.407 χ^2/NDF: 3546170.5/56

- sign 3133.975+/-0.573 χ^2/NDF: 1911147.2/28

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

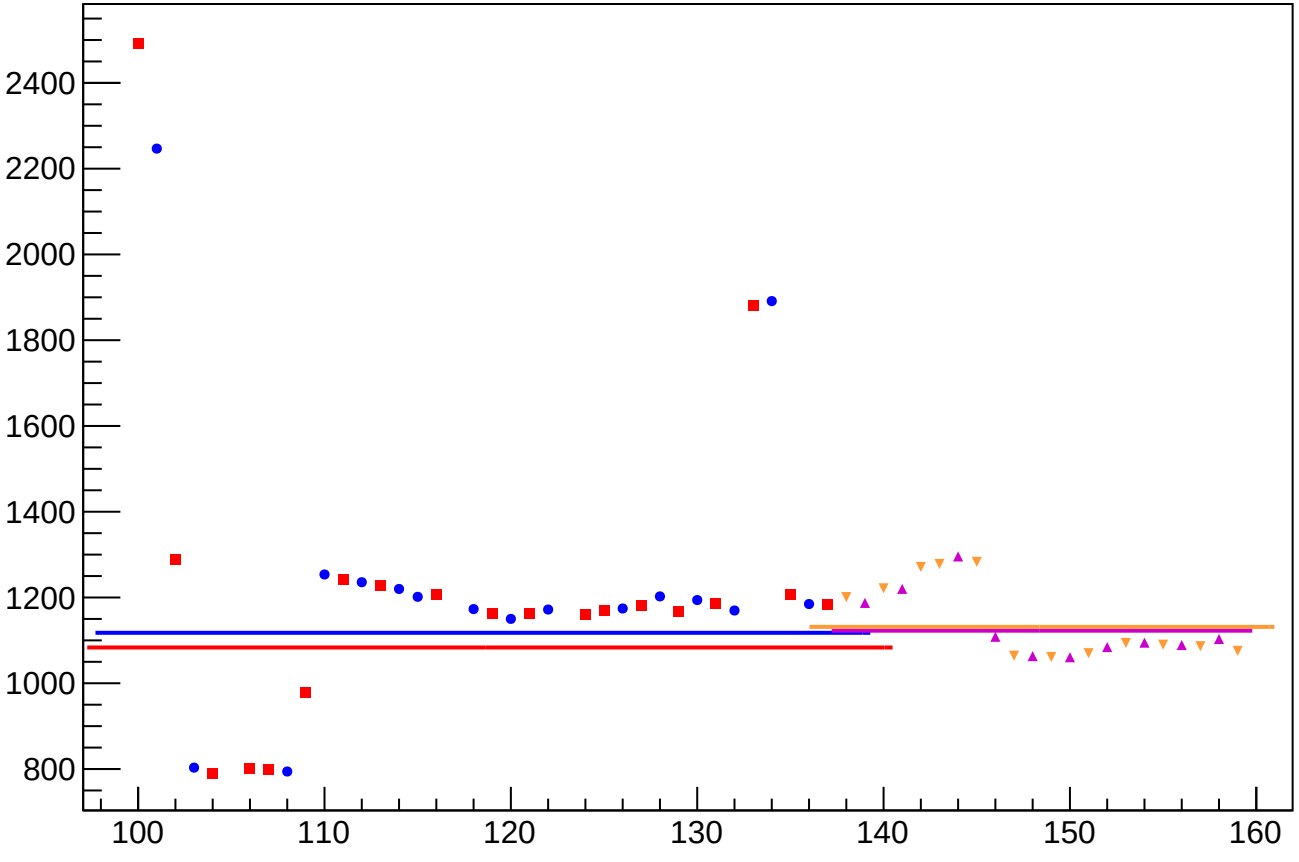
Left In: 516.641+/-380.796 χ^2/NDF:3.3/9

+ sign 381.810+/-278.498 χ^2/NDF: 42.1/27

All: 356.730+/-197.271 χ^2/NDF: 59.1/56

- sign 331.475+/-279.470 χ^2/NDF: 16.9/28

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

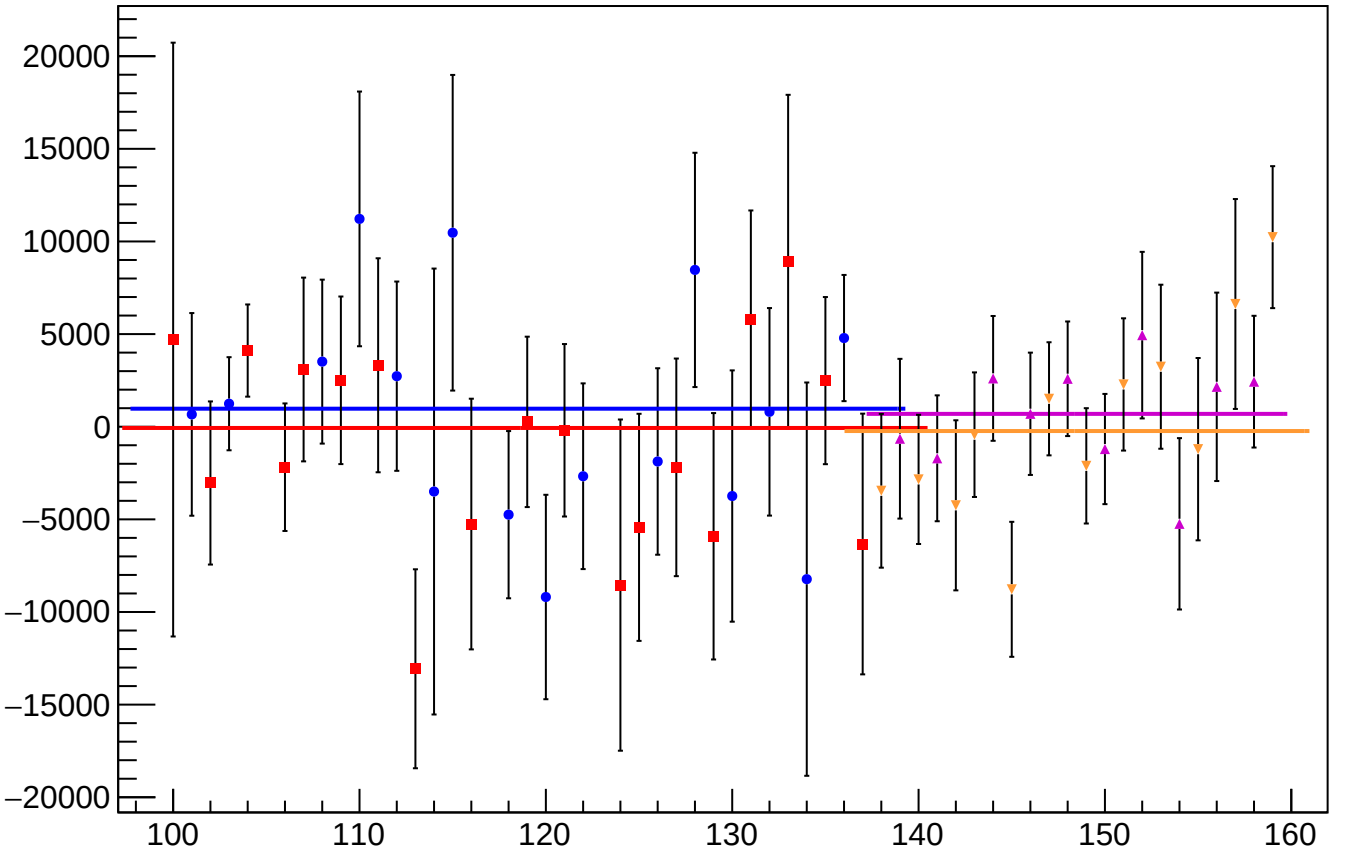
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1122.613+/-0.269 χ^2/NDF:65524.6/9

+ sign 1125.602+/-0.197 χ^2/NDF: 921499.6/27

All: 1115.075+/-0.139 χ^2/NDF: 1597565.4/56

- sign 1104.493+/-0.197 χ^2/NDF: 670336.0/28



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -232.859+/-1096.157 χ^2/NDF:18.2/11

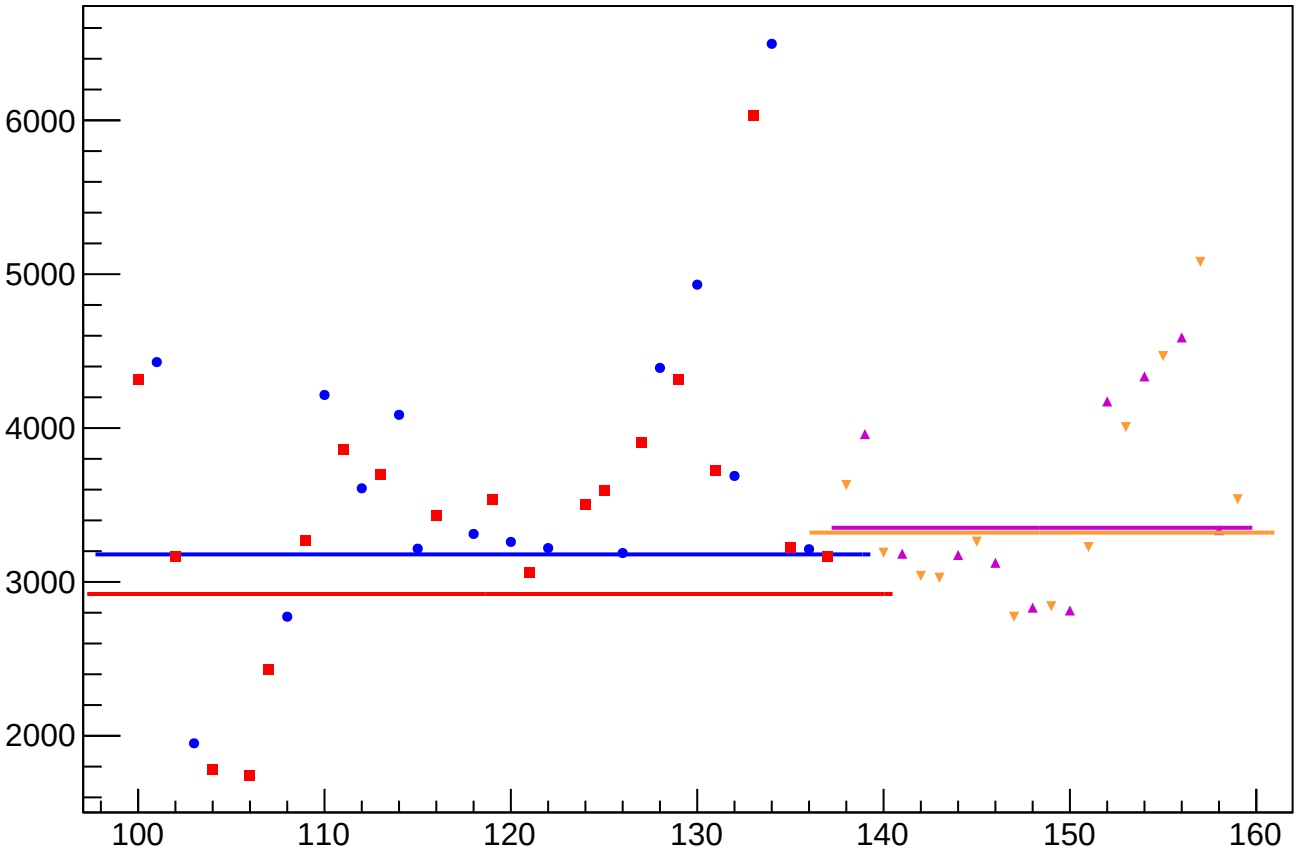
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 693.303+/-1153.248 χ^2/NDF:4.6/9

+ sign 299.675+/-819.168 χ^2/NDF: 32.5/27

All: 303.884+/-575.965 χ^2/NDF: 54.3/56

- sign 307.999+/-809.986 χ^2/NDF: 21.7/28



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

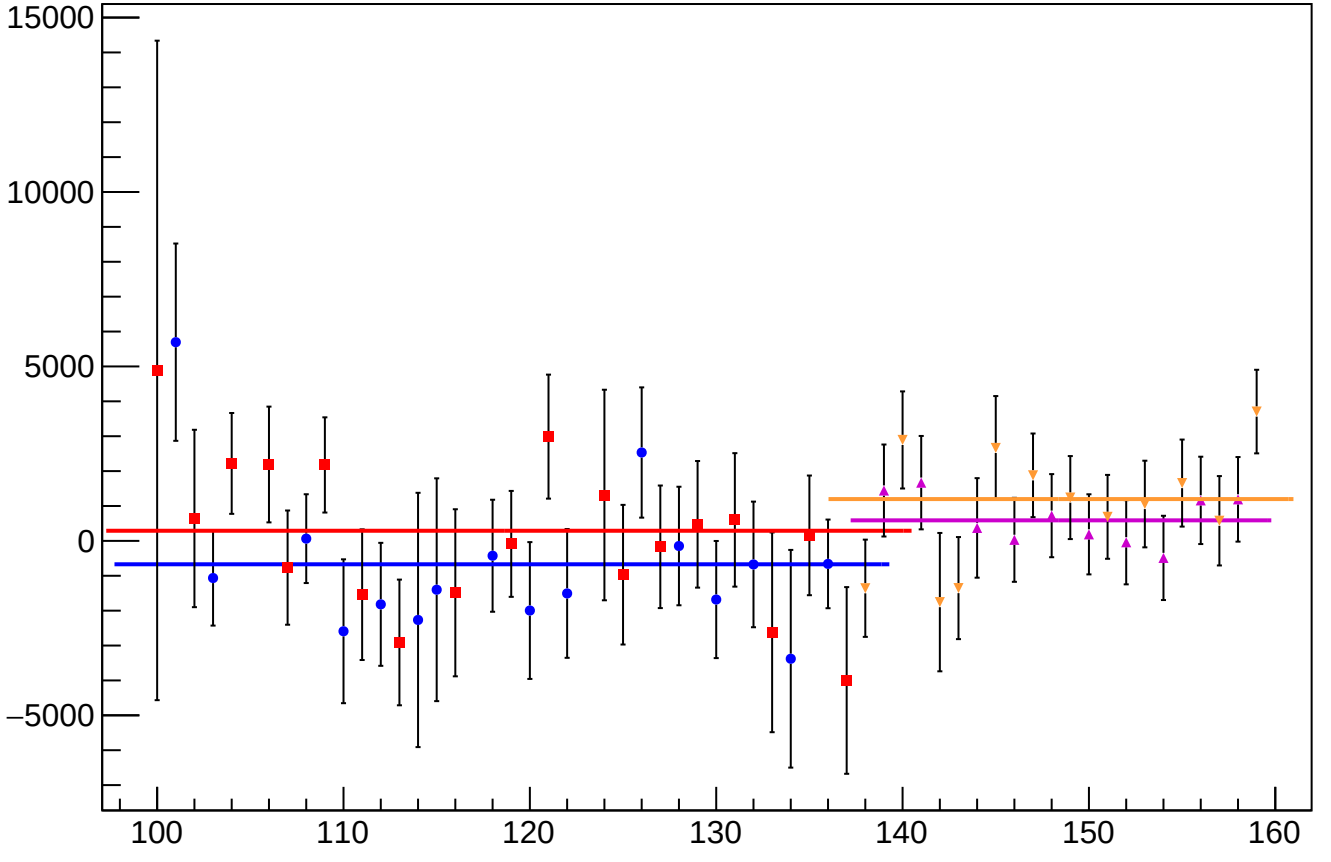
Left In: 3352.078+/-0.815 χ^2/NDF:457082.5/9

+ sign 3258.108+/-0.579 χ^2/NDF: 1611801.4/27

All: 3195.342+/-0.407 χ^2/NDF: 3546170.5/56

- sign 3133.975+/-0.573 χ^2/NDF: 1911147.2/28

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

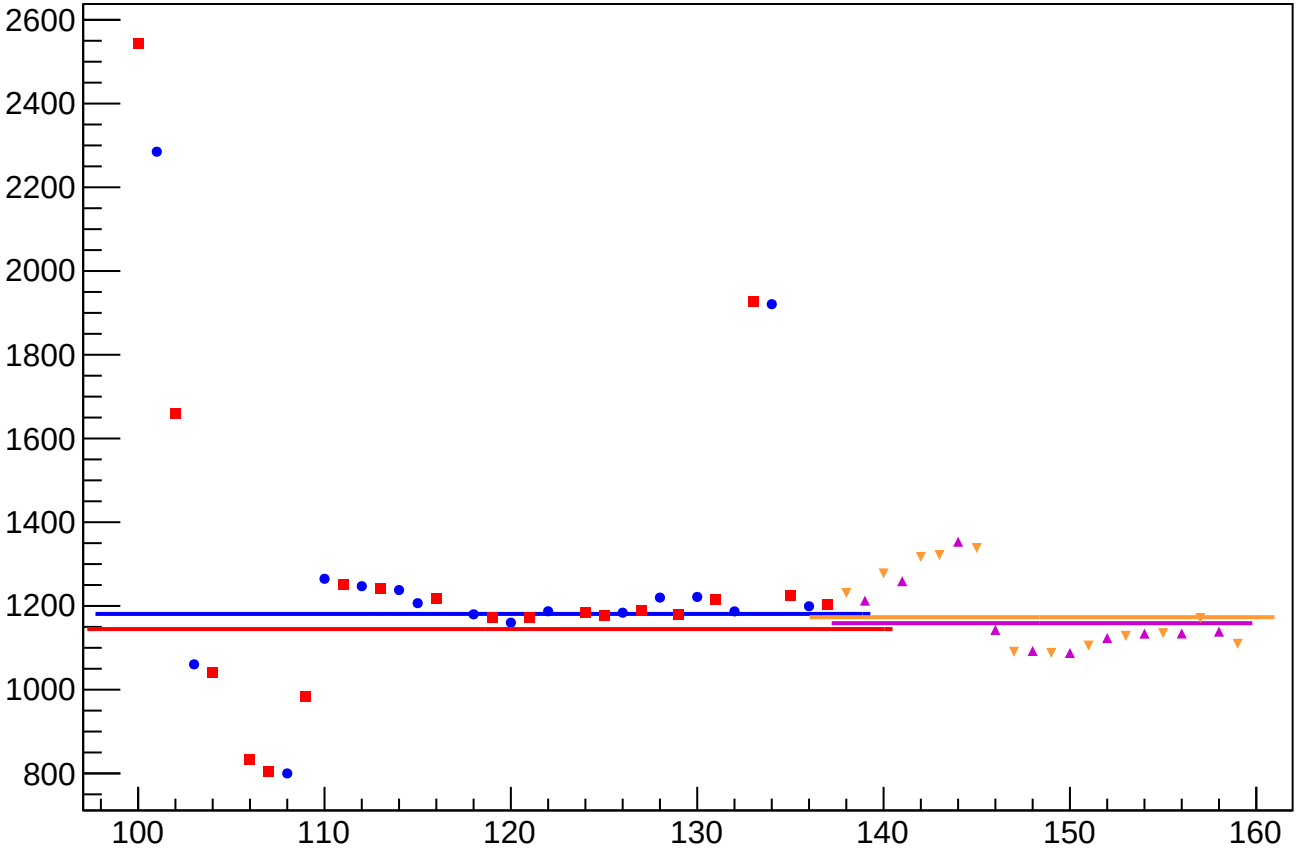
Left In: 588.495+/-393.159 χ^2/NDF:3.0/9

\+ sign 415.384+/-290.271 χ^2/NDF: 38.3/27

All: 434.727+/-205.688 χ^2/NDF: 58.5/56

\- sign 454.235+/-291.505 χ^2/NDF: 20.2/28

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

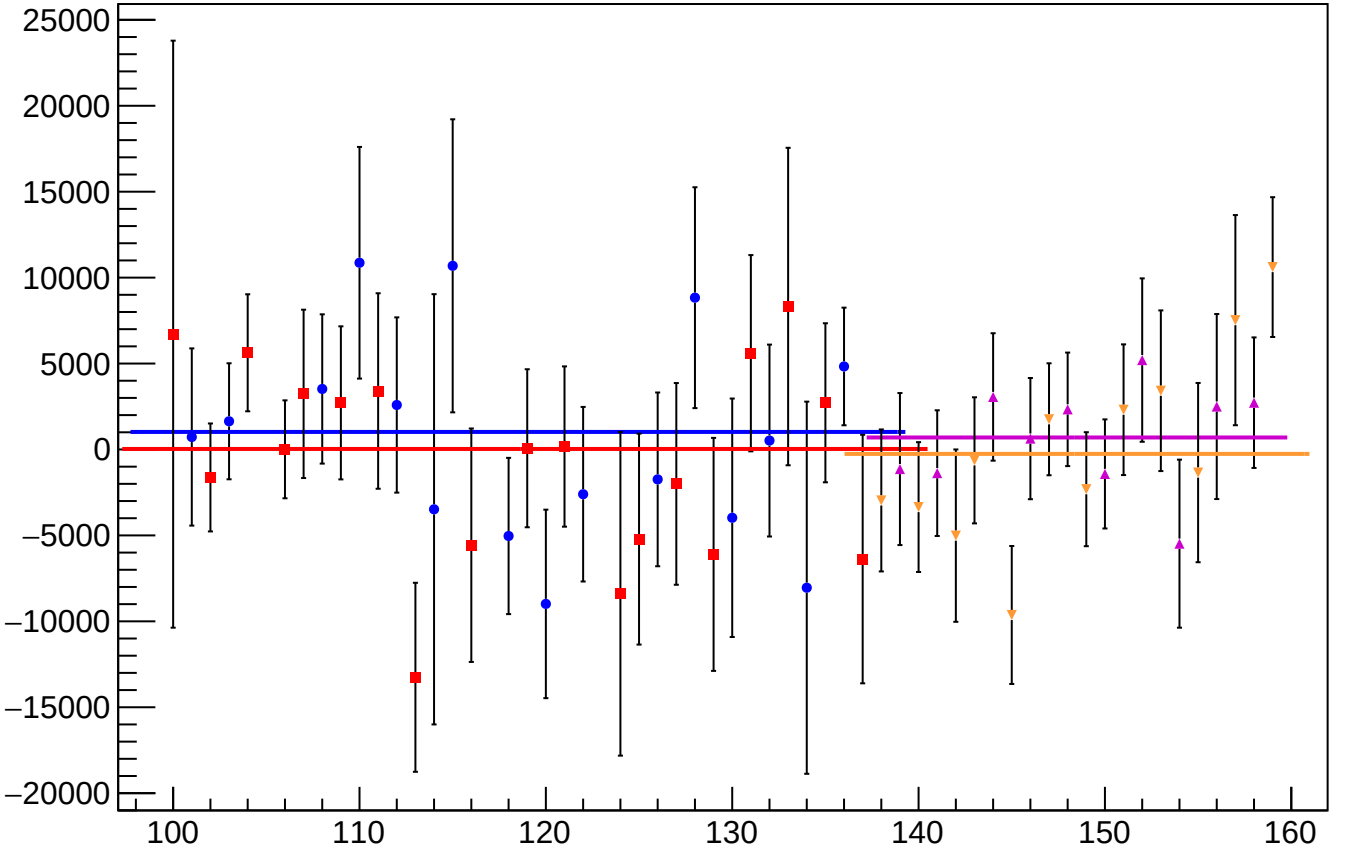
Left In: 1158.855+/-0.278 χ^2/NDF:69938.9/9

+ sign 1176.409+/-0.205 χ^2/NDF: 729115.3/27

All: 1164.510+/-0.145 χ^2/NDF: 1304690.1/56

- sign 1152.513+/-0.206 χ^2/NDF: 568824.9/28

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

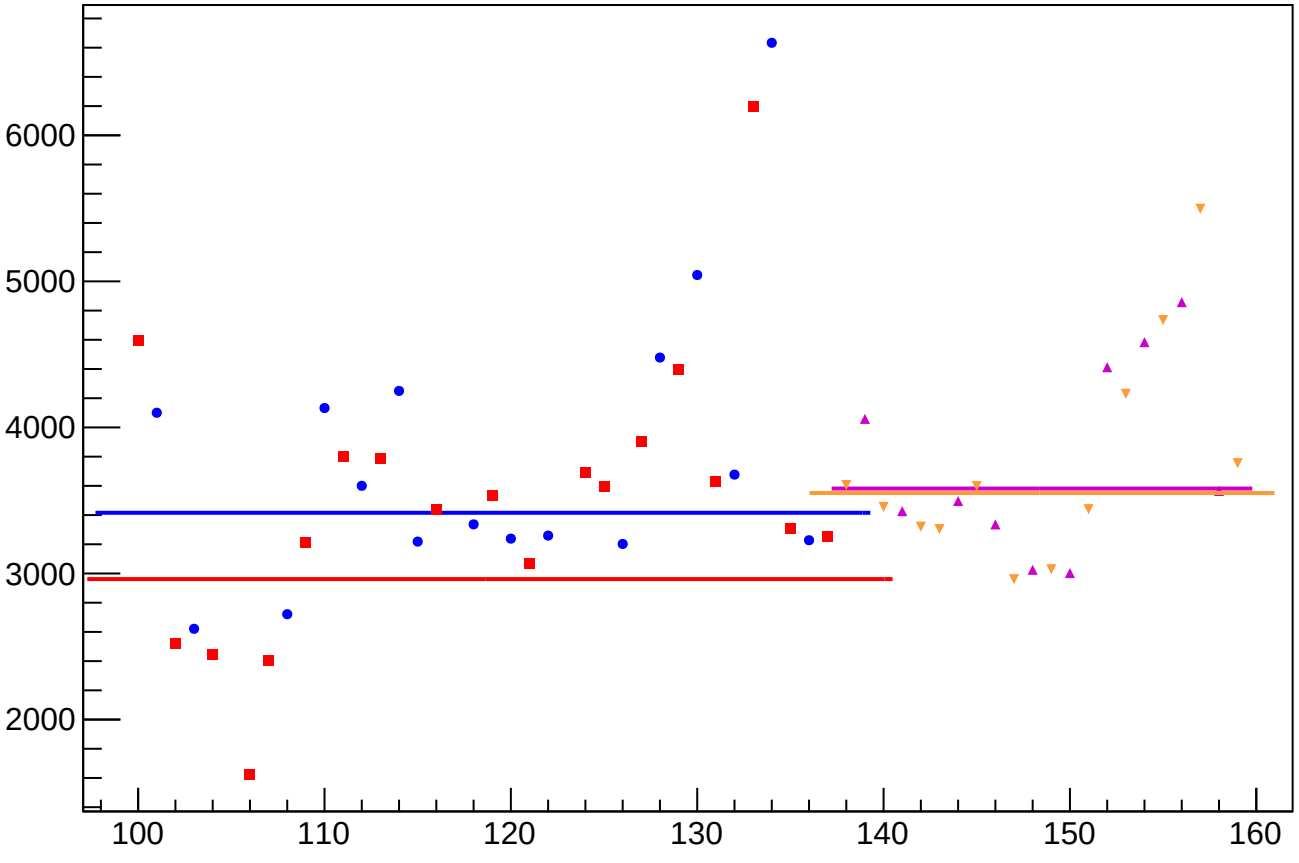
Left In: 698.277+/-1231.036 χ^2/NDF:4.5/9

+ sign 314.218+/-870.924 χ^2/NDF: 32.5/27

All: 325.536+/-601.889 χ^2/NDF: 53.3/56

- sign 335.884+/-832.759 χ^2/NDF: 20.8/28

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

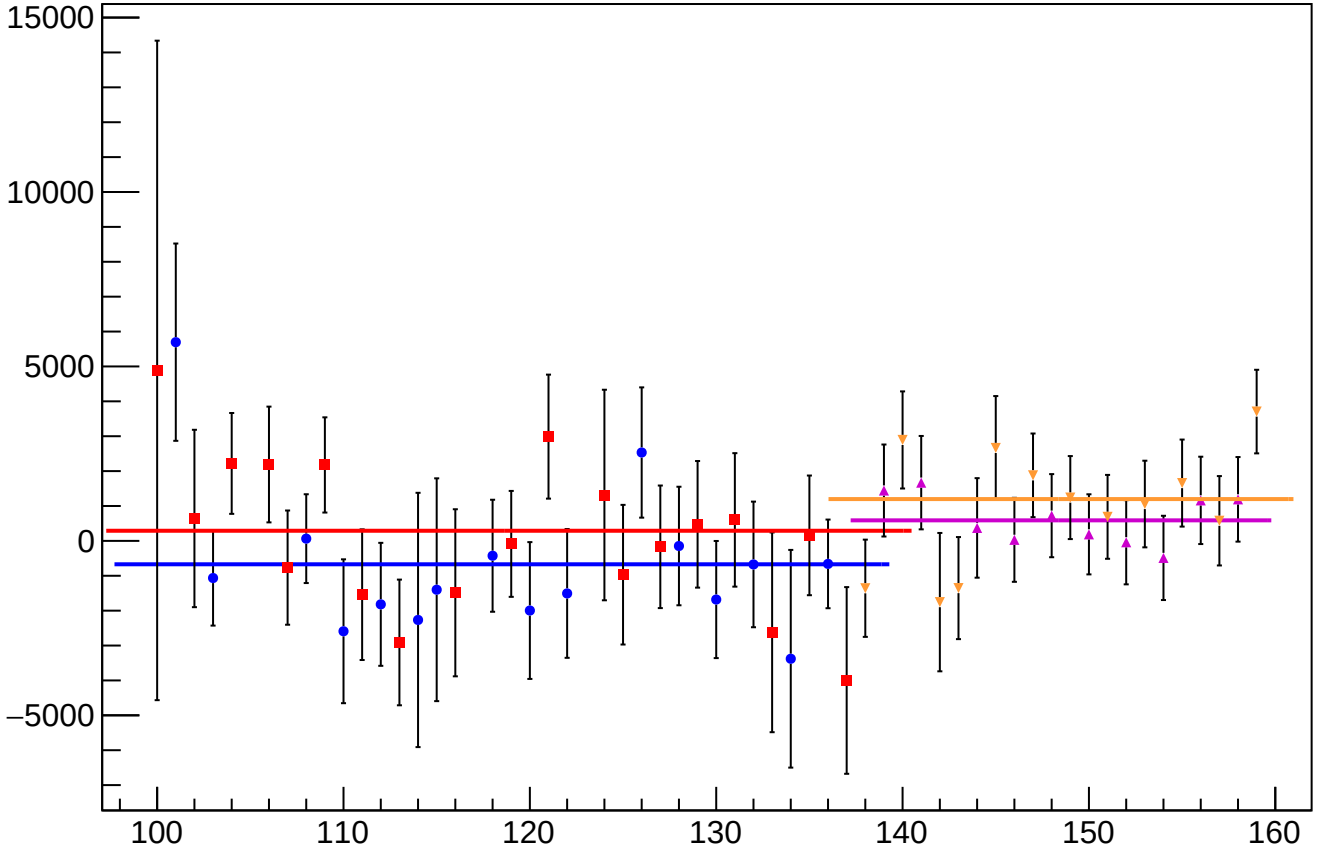
Left In: 3581.721+/-0.870 χ^2/NDF:418301.8/9

+ sign 3490.518+/-0.616 χ^2/NDF: 1089381.9/27

All: 3362.514+/-0.426 χ^2/NDF: 3034734.7/56

- sign 3245.482+/-0.589 χ^2/NDF: 1862648.9/28

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

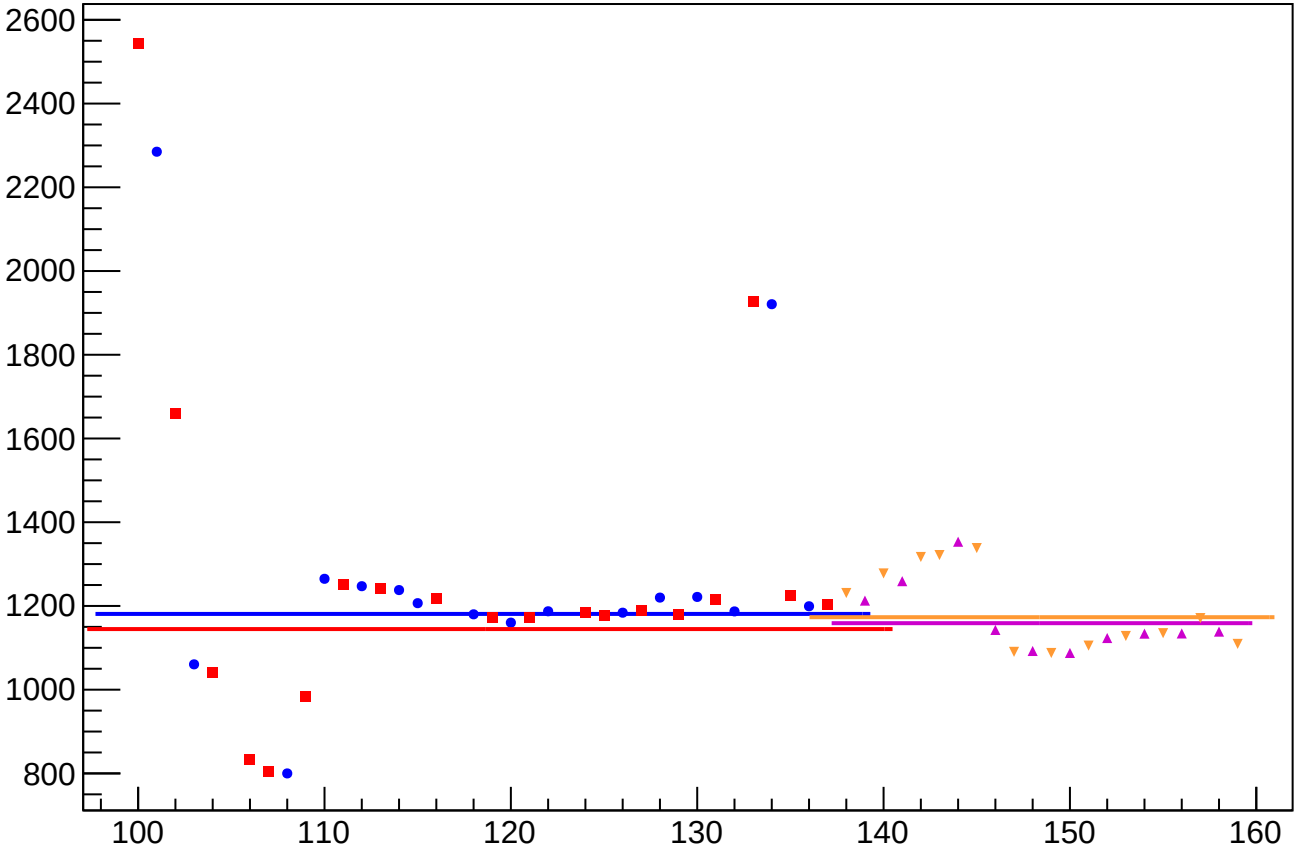
Left In: 588.493+/-393.159 χ^2/NDF:3.0/9

\+ sign 415.385+/-290.271 χ^2/NDF: 38.3/27

All: 434.728+/-205.688 χ^2/NDF: 58.5/56

\- sign 454.236+/-291.505 χ^2/NDF: 20.2/28

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

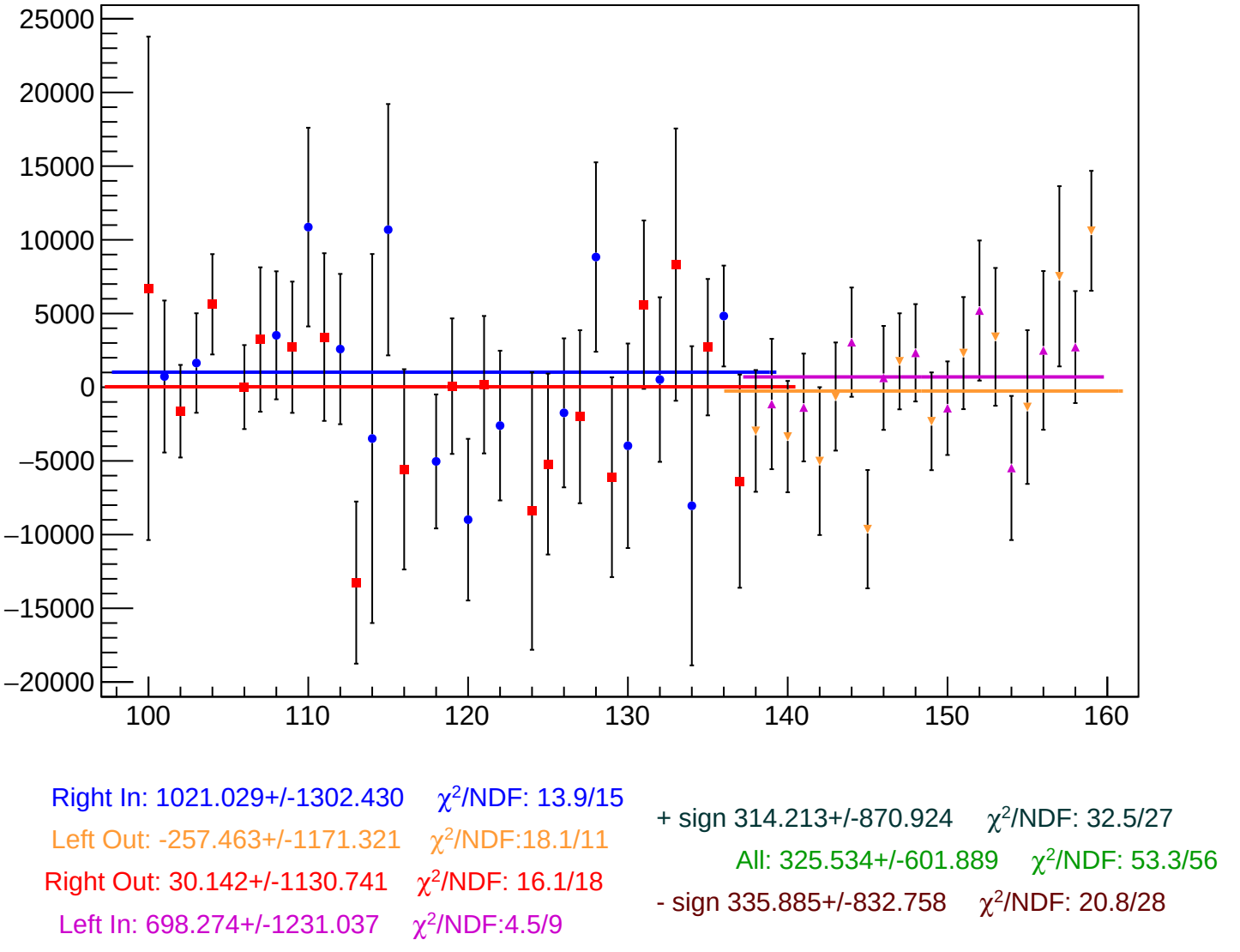
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

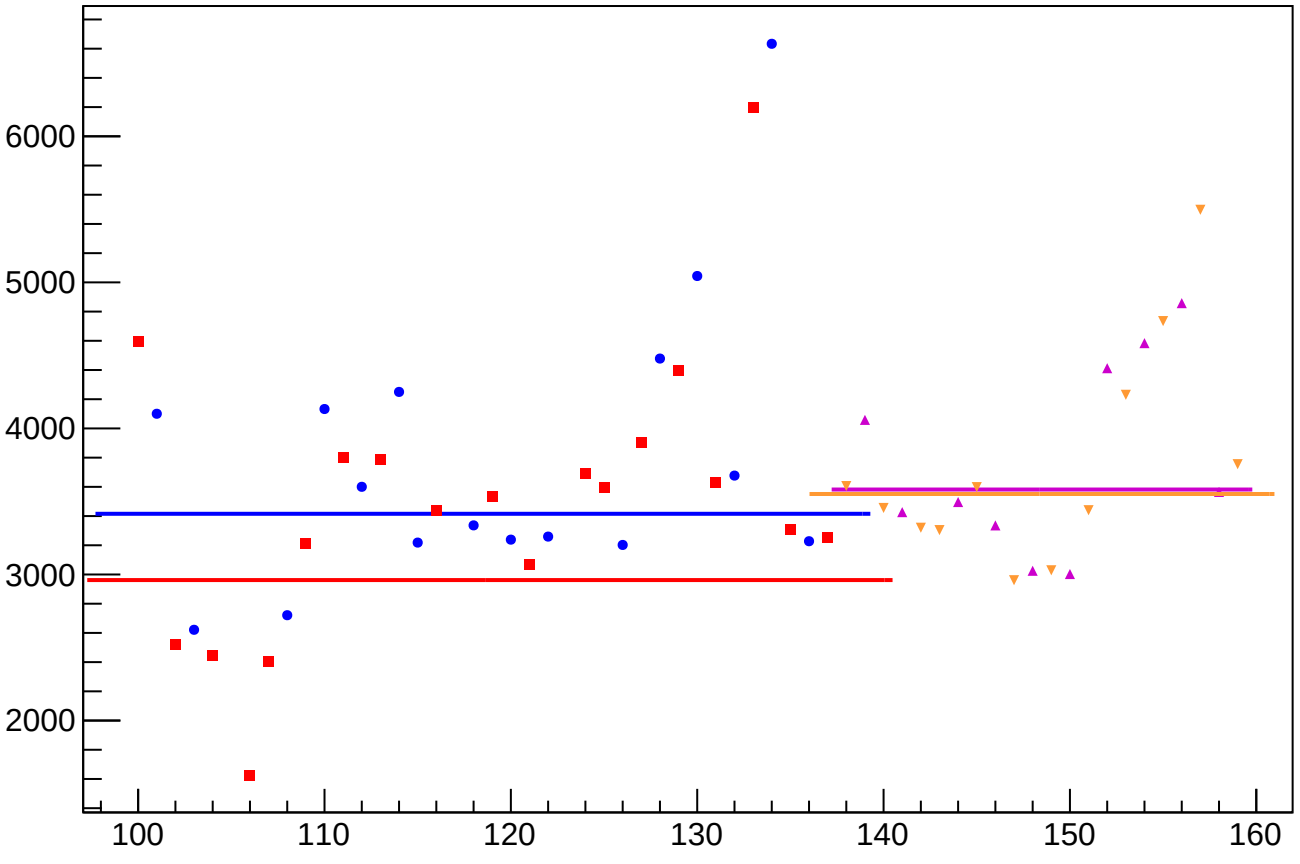
Left In: 1158.856+/-0.278 χ^2/NDF:69938.5/9

+ sign 1176.410+/-0.205 χ^2/NDF: 729115.7/27

All: 1164.510+/-0.145 χ^2/NDF: 1304689.6/56

- sign 1152.513+/-0.206 χ^2/NDF: 568824.2/28


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -257.463+/-1171.321 χ²/NDF:18.1/11
Right Out: 30.142+/-1130.741 χ²/NDF: 16.1/18
Left In: 698.274+/-1231.037 χ²/NDF:4.5/9
+ sign 314.213+/-870.924 χ²/NDF: 32.5/27
All: 325.534+/-601.889 χ²/NDF: 53.3/56
- sign 335.885+/-832.758 χ²/NDF: 20.8/28



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

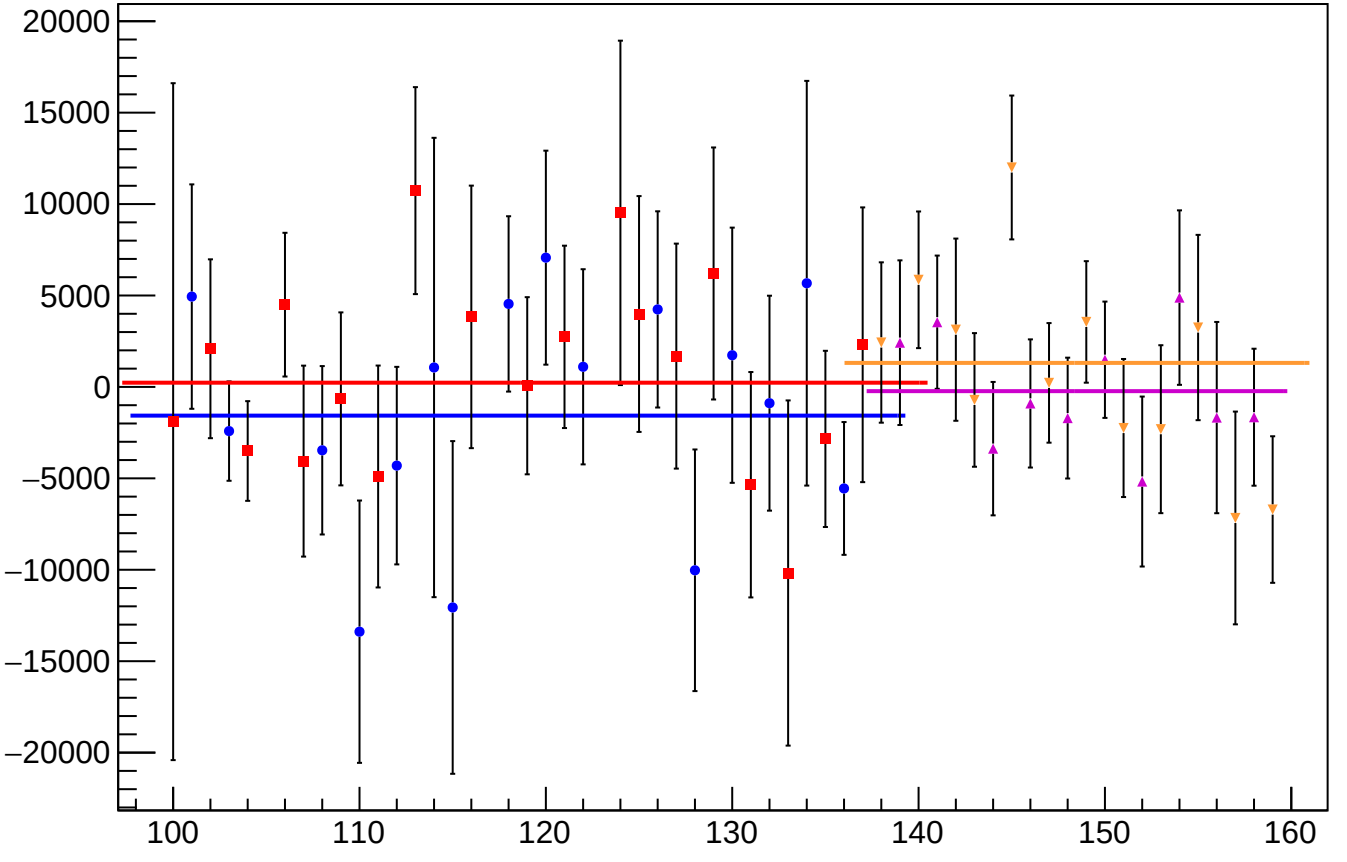
Left In: 3581.725+/-0.870 χ^2/NDF:418298.4/9

+ sign 3490.519+/-0.616 χ^2/NDF: 1089375.6/27

All: 3362.513+/-0.426 χ^2/NDF: 3034734.3/56

- sign 3245.480+/-0.589 χ^2/NDF: 1862653.4/28

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

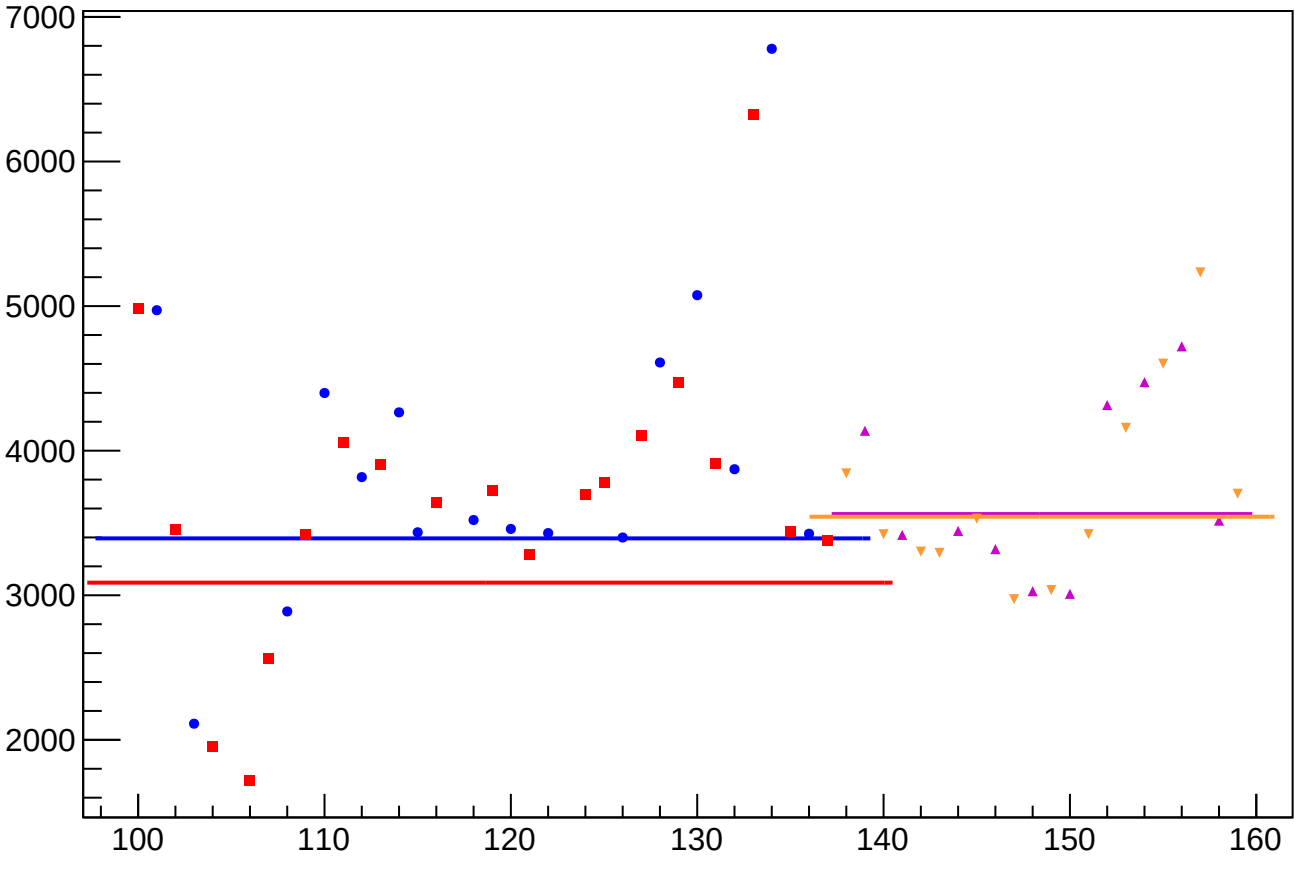
Left In: -231.111+/-1221.945 χ^2/NDF:5.2/9

\+ sign 42.559+/-871.744 χ^2/NDF: 34.9/27

All: 20.889+/-613.976 χ^2/NDF: 53.4/56

\- sign -0.441+/-864.883 χ^2/NDF: 18.5/28

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

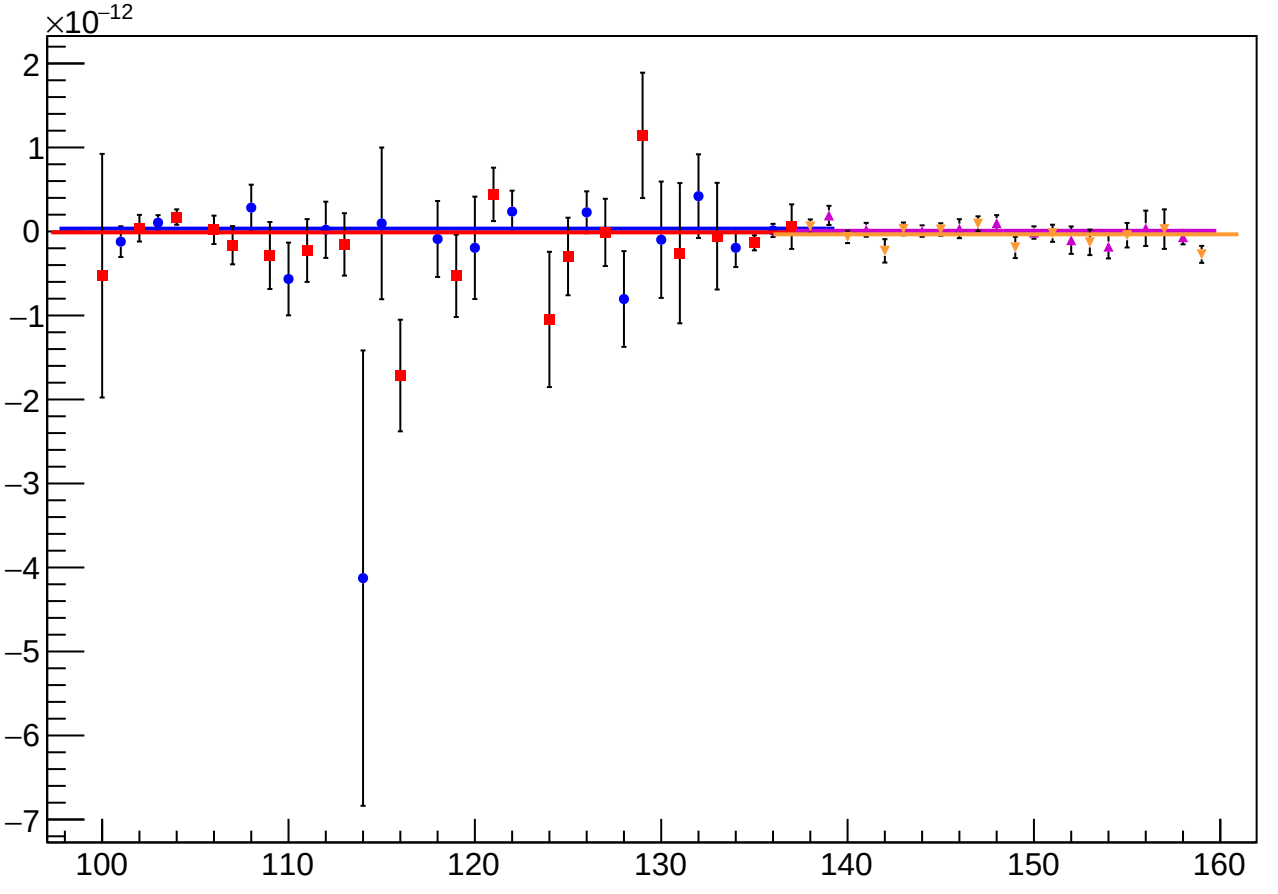
Left In: 3561.359+/-0.864 χ^2/NDF:384350.1/9

+ sign 3477.127+/-0.616 χ^2/NDF: 1493261.5/27

All: 3397.676+/-0.432 χ^2/NDF: 3391411.7/56

- sign 3320.789+/-0.606 χ^2/NDF: 1865460.4/28

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

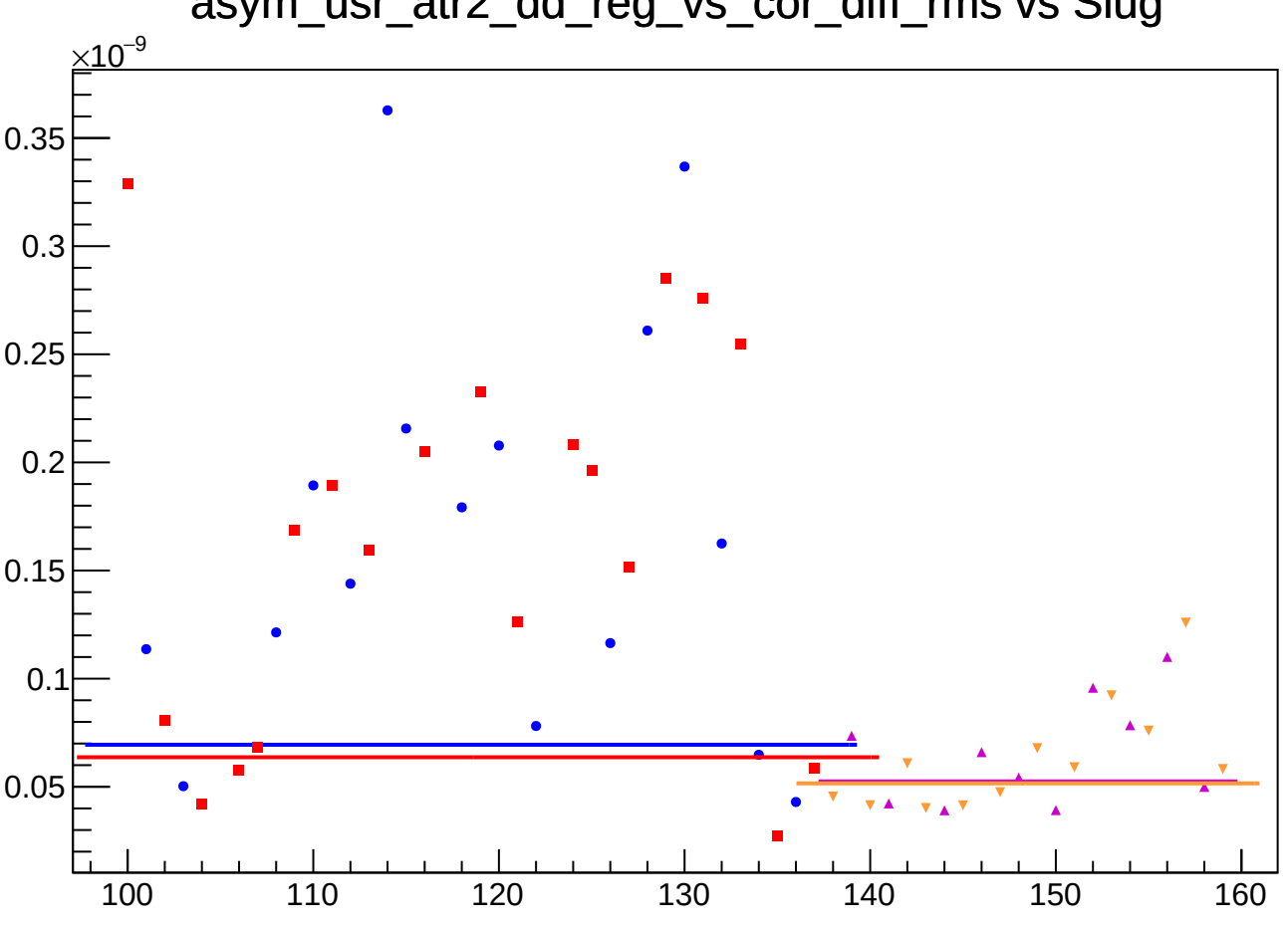
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/27

All: -0.000+/-0.000 χ^2/NDF: 56.6/56

- sign 0.000+/-0.000 χ^2/NDF: 28.7/28



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

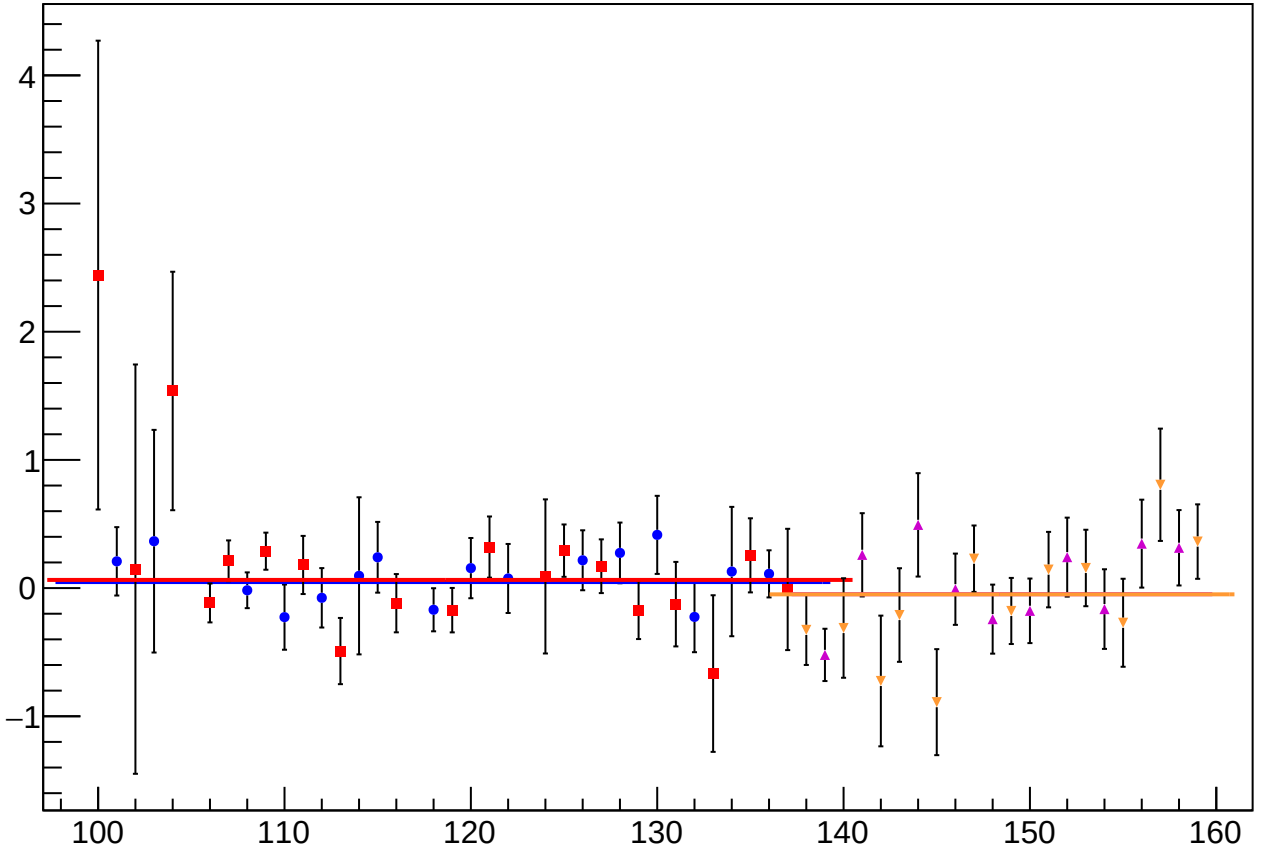
Left In: 0.000+/-0.000 χ^2/NDF:629165.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 2524511.0/27

All: 0.000+/-0.000 χ^2/NDF: 5477950.3/56

- sign 0.000+/-0.000 χ^2/NDF: 2953025.6/28

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

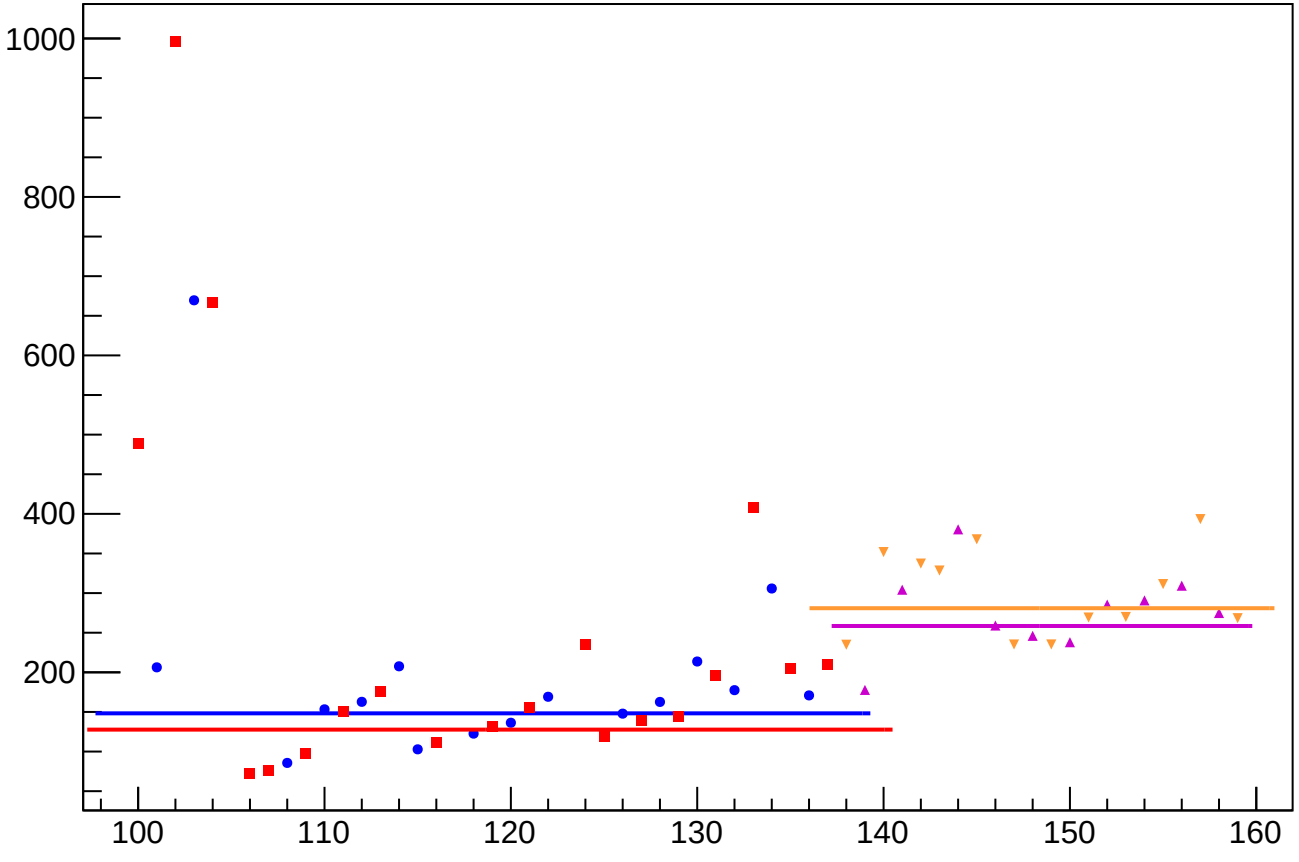
Left In: -0.048+/-0.090 χ^2/NDF:12.8/9

+ sign 0.019+/-0.050 χ^2/NDF: 25.4/27

All: 0.027+/-0.034 χ^2/NDF: 61.6/56

- sign 0.034+/-0.047 χ^2/NDF: 36.1/28

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

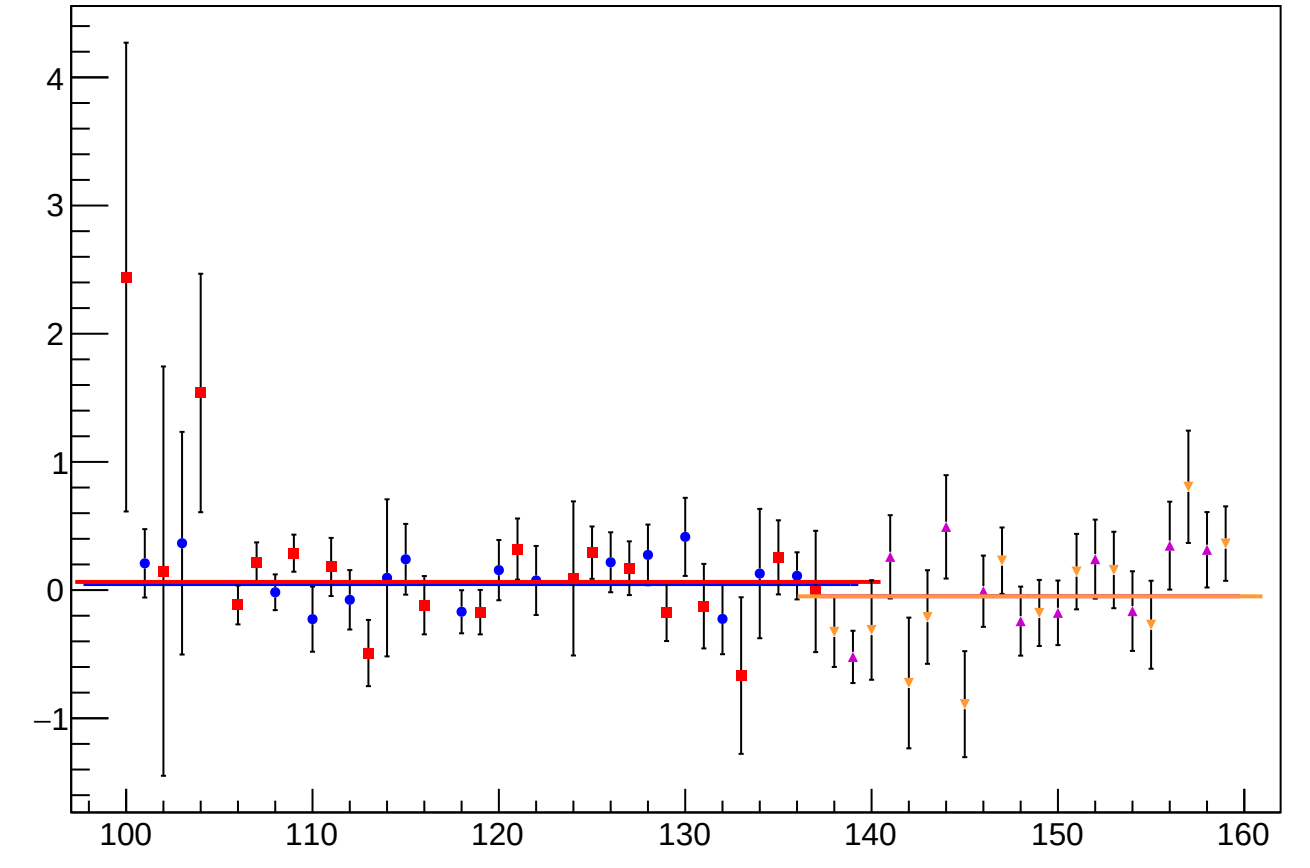
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.481+/-0.064 χ^2/NDF:640343.3/9

+ sign 187.229+/-0.036 χ^2/NDF: 5134094.8/27

All: 174.120+/-0.024 χ^2/NDF: 11946781.9/56

- sign 162.866+/-0.033 χ^2/NDF: 6561679.8/28



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

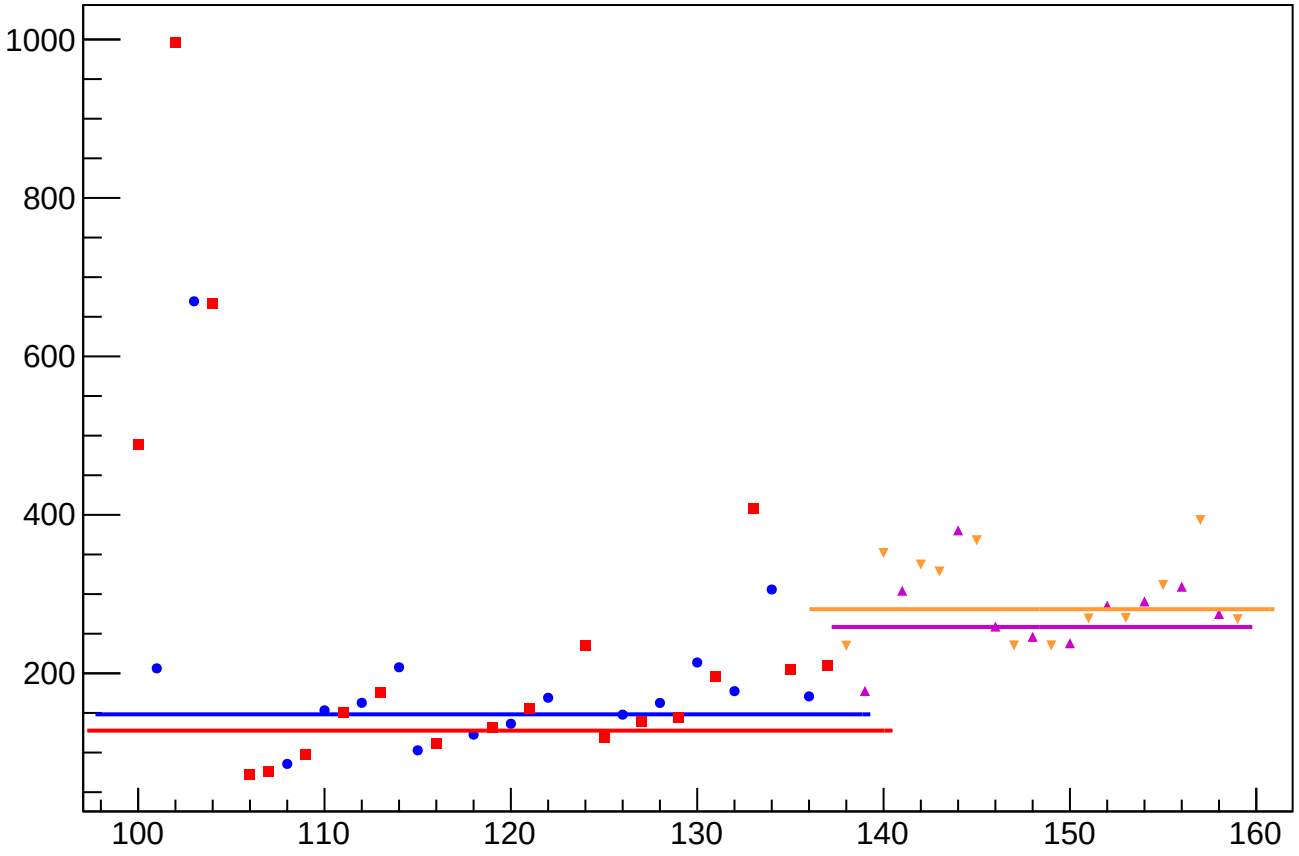
Left In: -0.048+/-0.090 χ^2/NDF:12.8/9

+ sign 0.019+/-0.050 χ^2/NDF: 25.4/27

All: 0.027+/-0.034 χ^2/NDF: 61.6/56

- sign 0.034+/-0.047 χ^2/NDF: 36.1/28

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

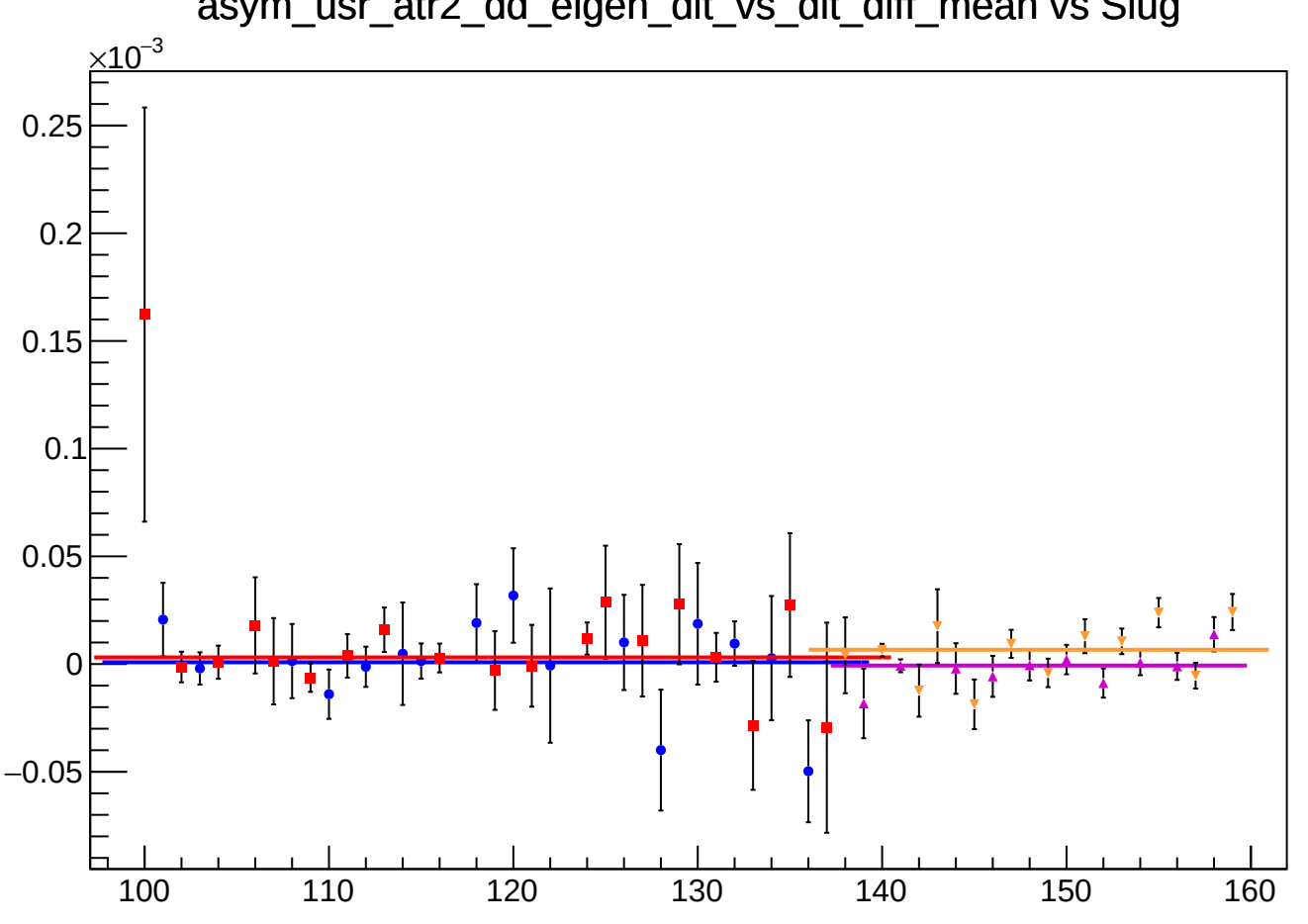
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 258.481+/-0.064 χ^2/NDF:640343.3/9

+ sign 187.229+/-0.036 χ^2/NDF: 5134094.8/27

All: 174.120+/-0.024 χ^2/NDF: 11946781.9/56

- sign 162.866+/-0.033 χ^2/NDF: 6561679.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

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

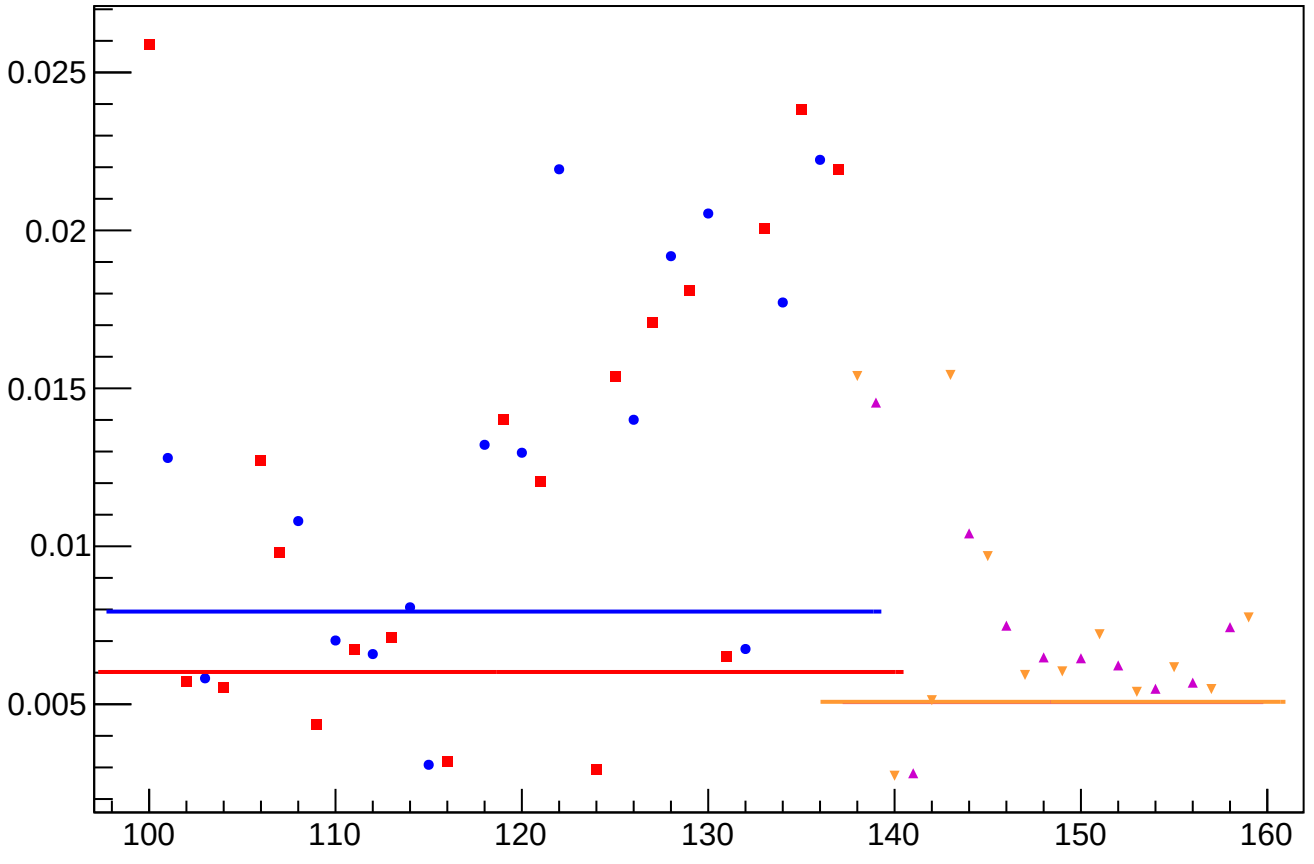
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 42.9/27

All: 0.000+/-0.000 χ^2/NDF: 67.7/56

- sign 0.000+/-0.000 χ^2/NDF: 20.5/28



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3455184.0/11

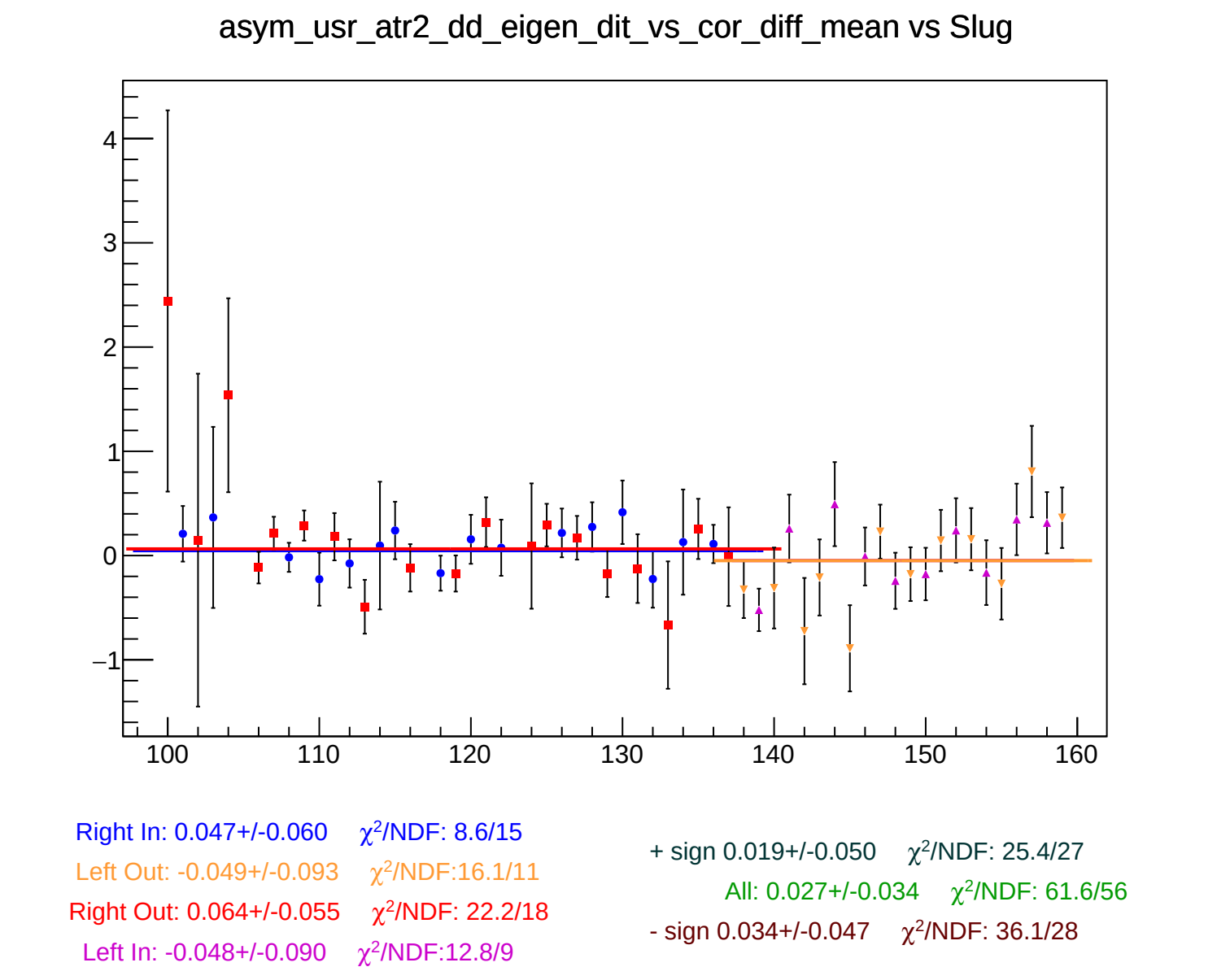
Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

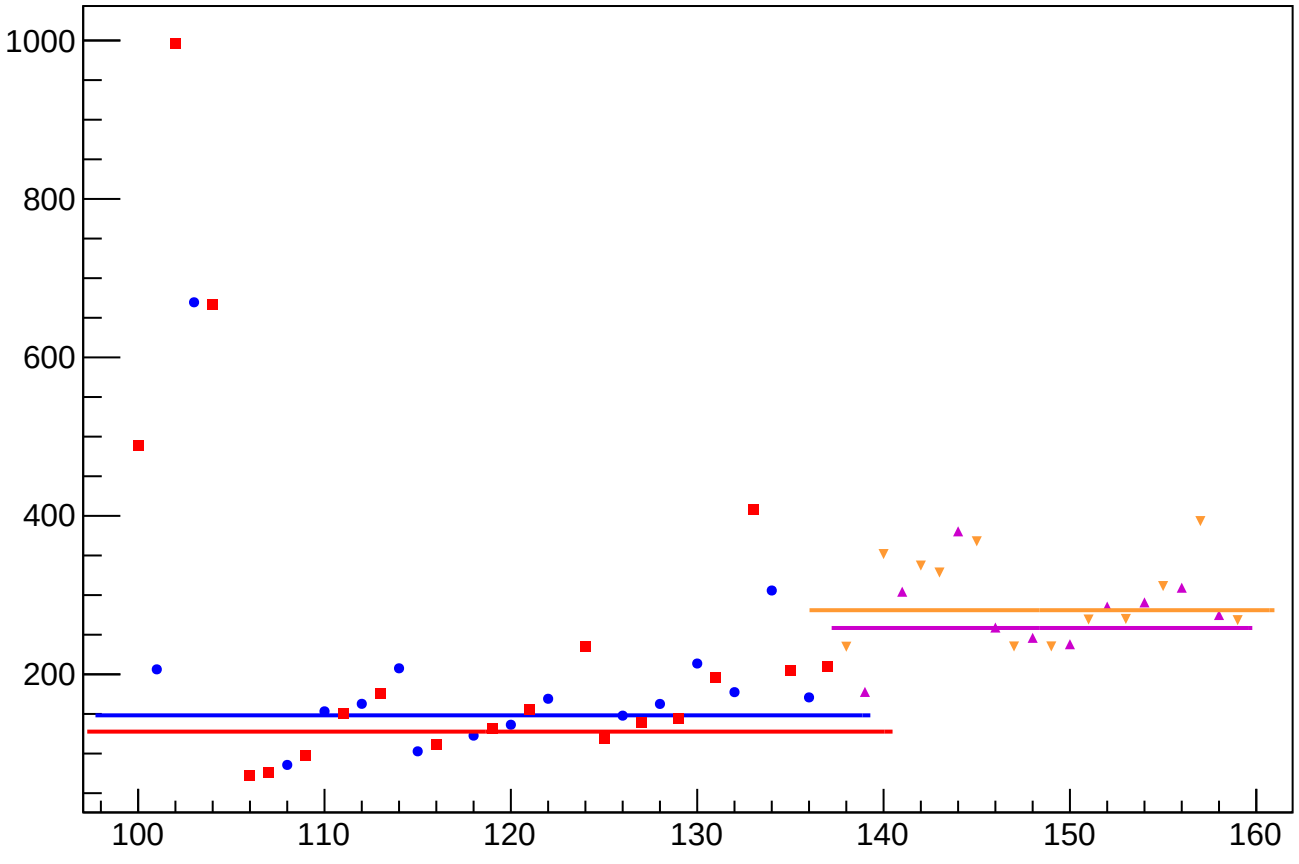
Left In: 0.005+/-0.000 χ^2/NDF:2785172.9/9

+ sign 0.006+/-0.000 χ^2/NDF: 8088720.2/27

All: 0.006+/-0.000 χ^2/NDF: 15092431.9/56

- sign 0.005+/-0.000 χ^2/NDF: 6964577.0/28


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
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: -0.048+/-0.090 χ²/NDF:12.8/9
+ sign 0.019+/-0.050 χ²/NDF: 25.4/27
All: 0.027+/-0.034 χ²/NDF: 61.6/56
- sign 0.034+/-0.047 χ²/NDF: 36.1/28



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 280.929+/-0.066 χ^2/NDF:552765.2/11

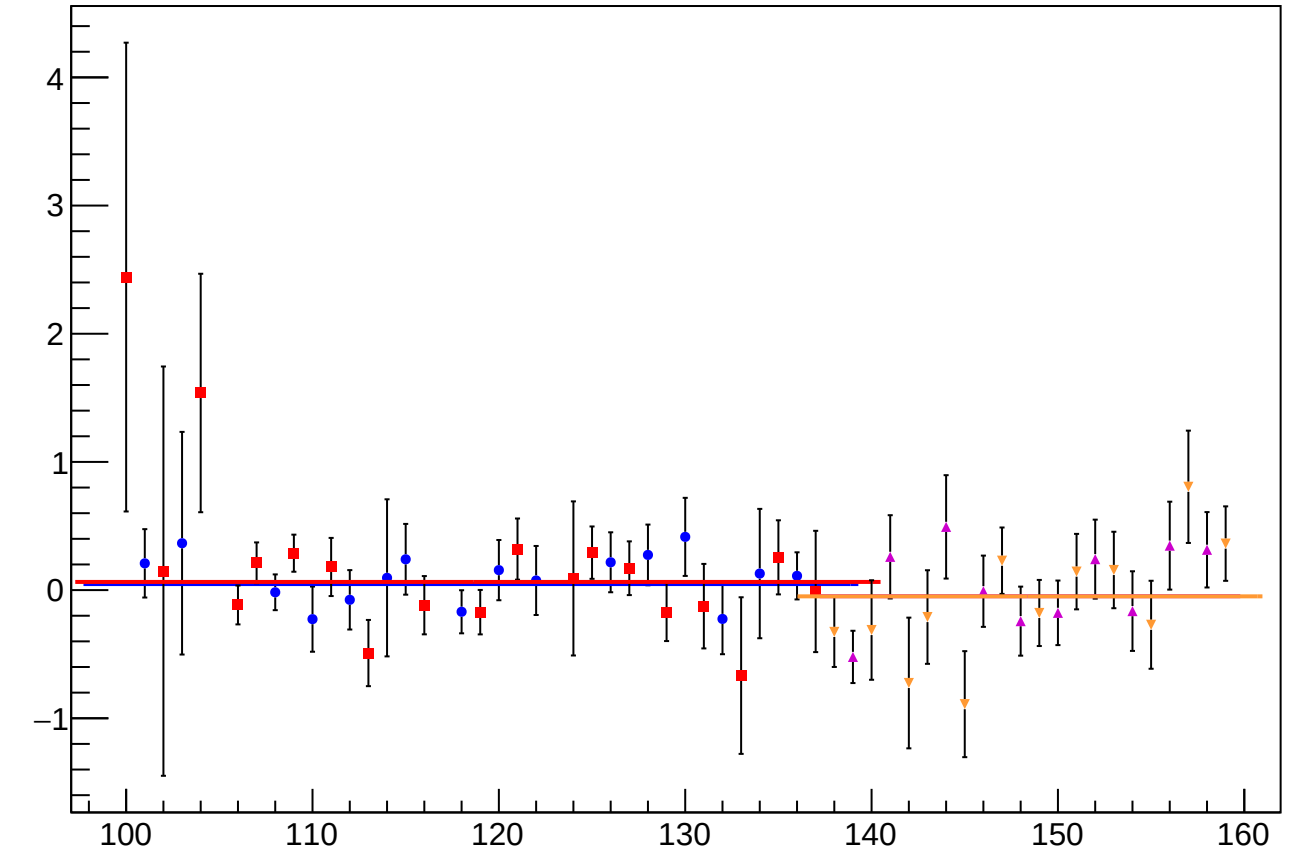
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.484+/-0.064 χ^2/NDF:640298.3/9

+ sign 187.227+/-0.036 χ^2/NDF: 5134358.0/27

All: 174.120+/-0.024 χ^2/NDF: 11947031.5/56

- sign 162.867+/-0.033 χ^2/NDF: 6561714.5/28



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.049+/-0.093 χ^2/NDF:16.1/11

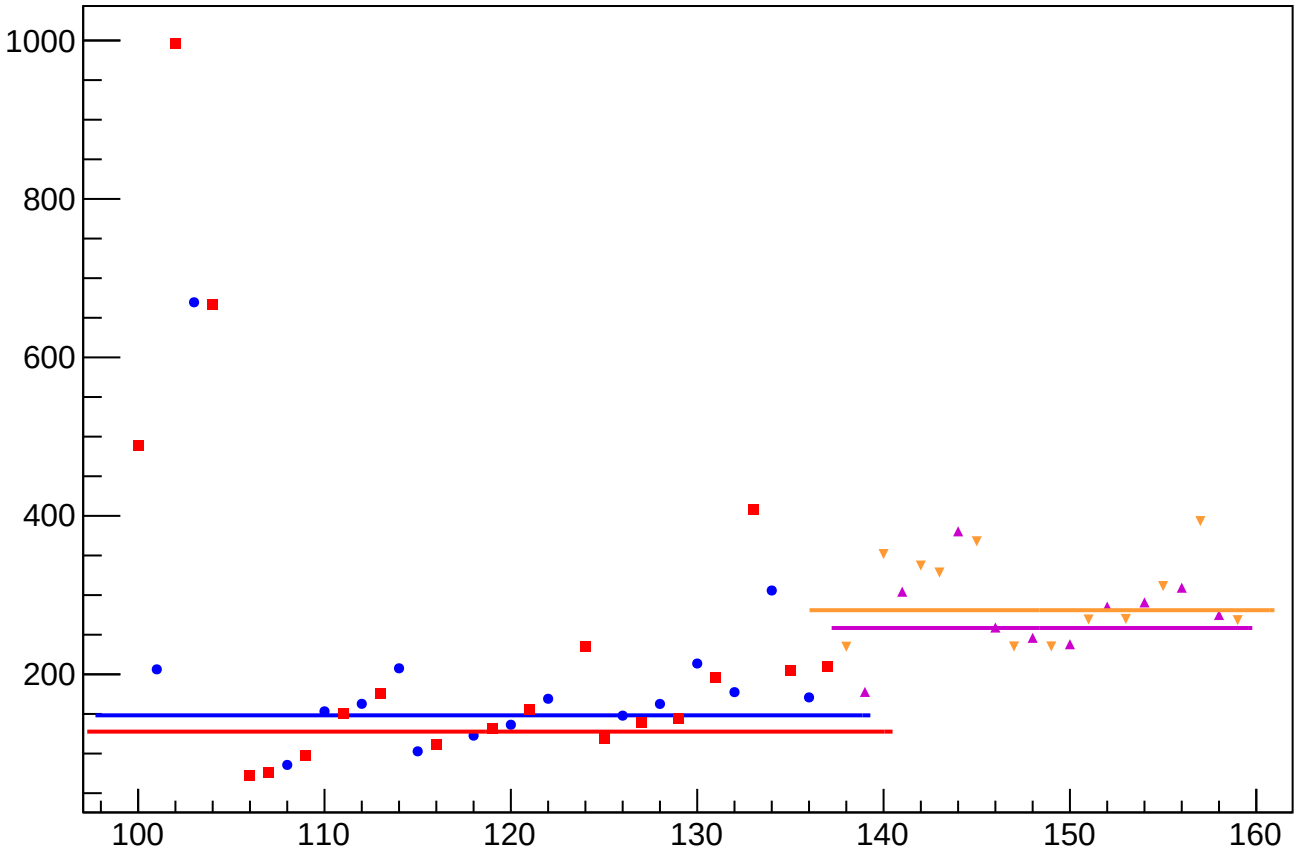
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.048+/-0.090 χ^2/NDF:12.8/9

+ sign 0.019+/-0.050 χ^2/NDF: 25.4/27

All: 0.027+/-0.034 χ^2/NDF: 61.6/56

- sign 0.034+/-0.047 χ^2/NDF: 36.1/28



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 280.929+/-0.066 χ^2/NDF:552765.2/11

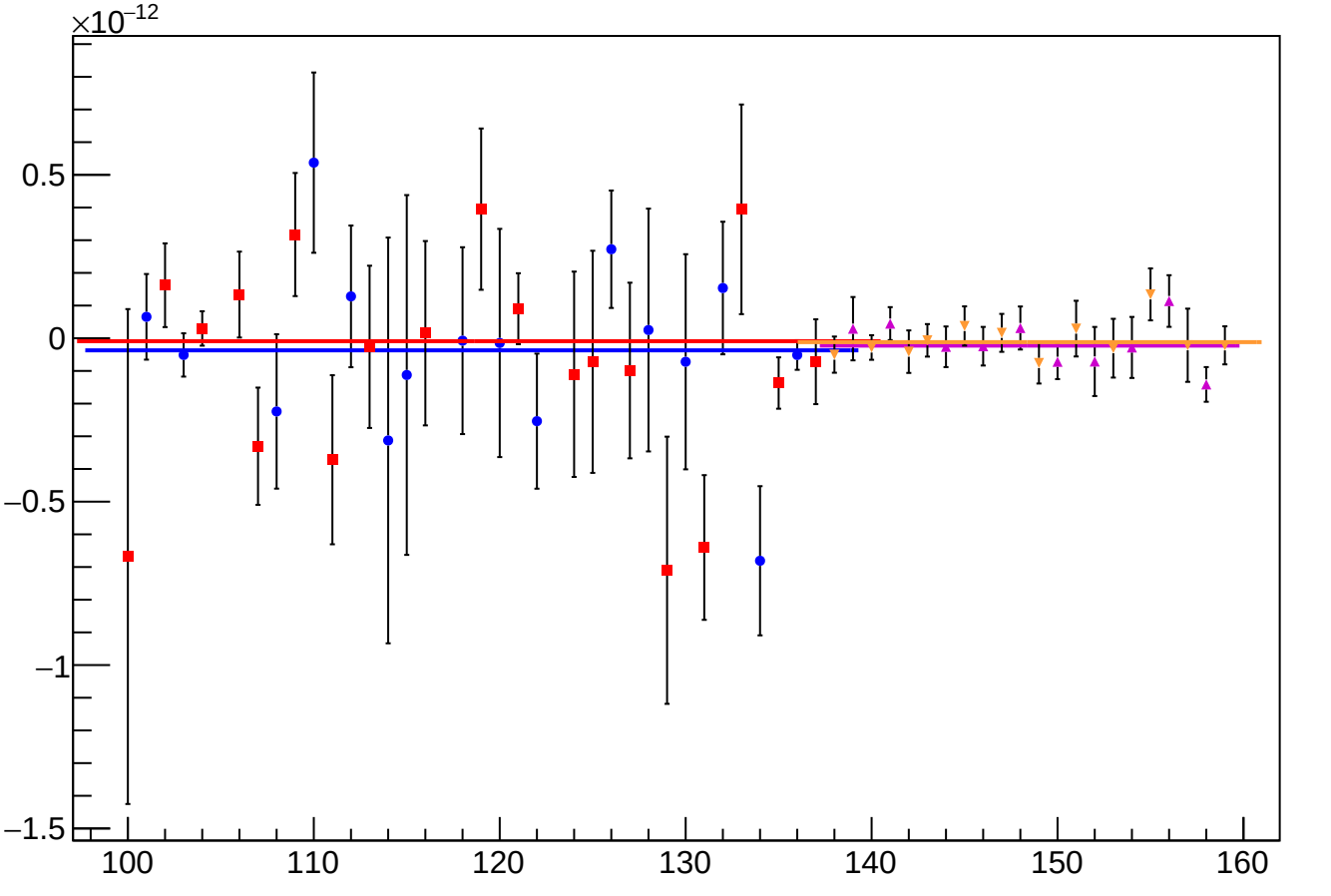
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 258.484+/-0.064 χ^2/NDF:640298.3/9

+ sign 187.227+/-0.036 χ^2/NDF: 5134358.0/27

All: 174.120+/-0.024 χ^2/NDF: 11947031.5/56

- sign 162.867+/-0.033 χ^2/NDF: 6561714.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.5/11

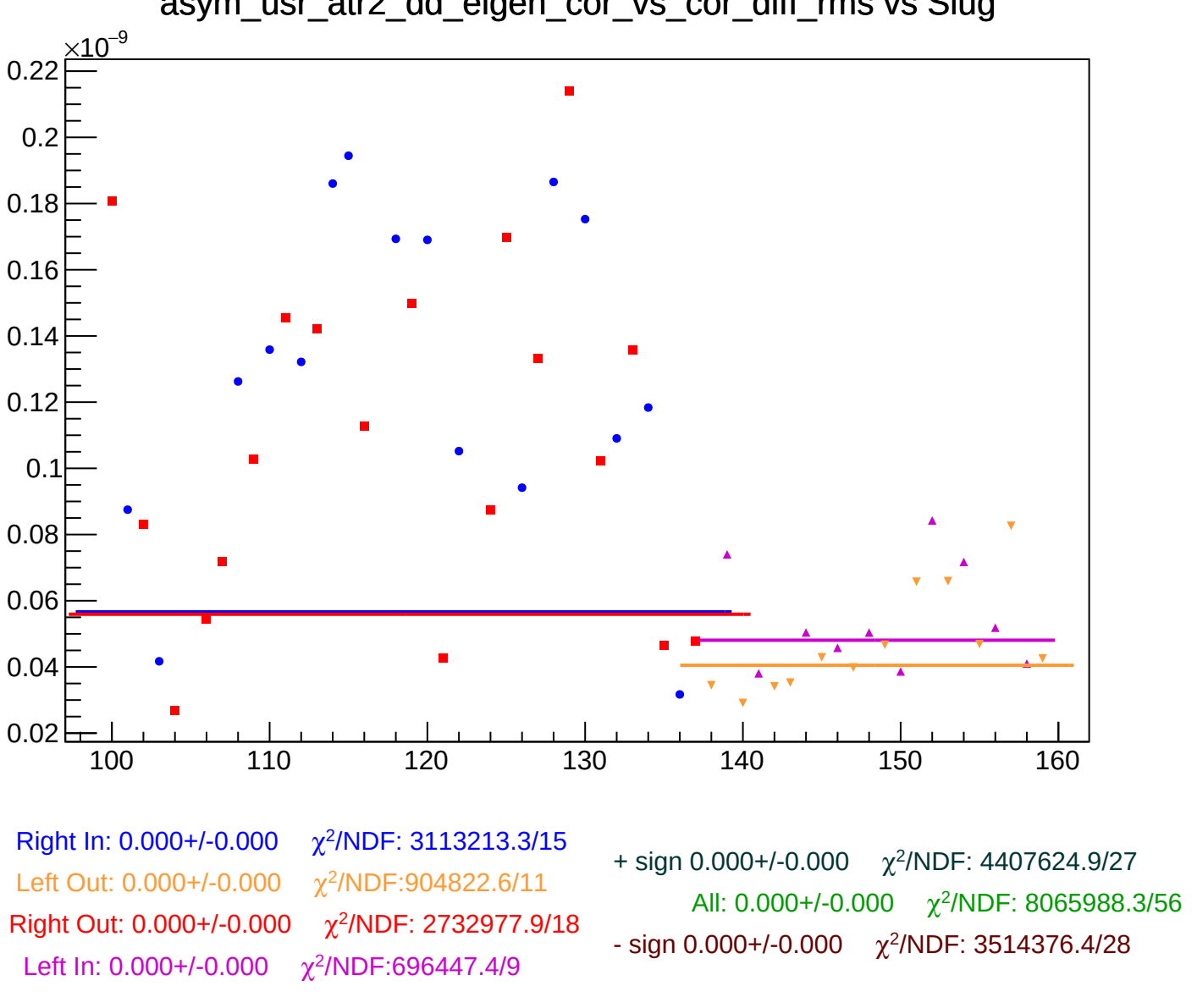
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/9

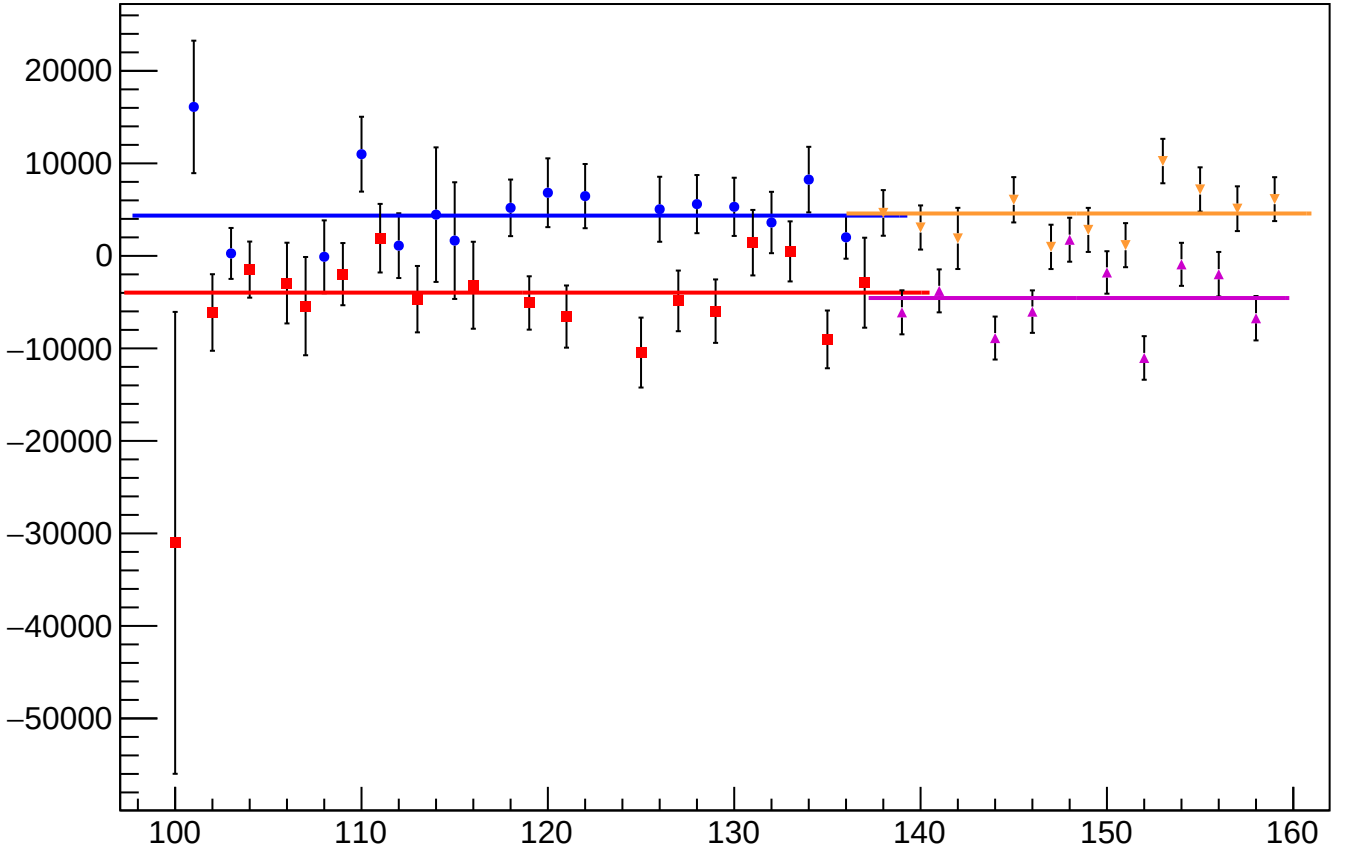
+ sign -0.000+/-0.000 χ^2/NDF: 26.5/27

All: -0.000+/-0.000 χ^2/NDF: 70.2/56

- sign -0.000+/-0.000 χ^2/NDF: 43.7/28


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:904822.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:696447.4/9
+ sign 0.000+/-0.000 χ²/NDF: 4407624.9/27
All: 0.000+/-0.000 χ²/NDF: 8065988.3/56
- sign 0.000+/-0.000 χ²/NDF: 3514376.4/28

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

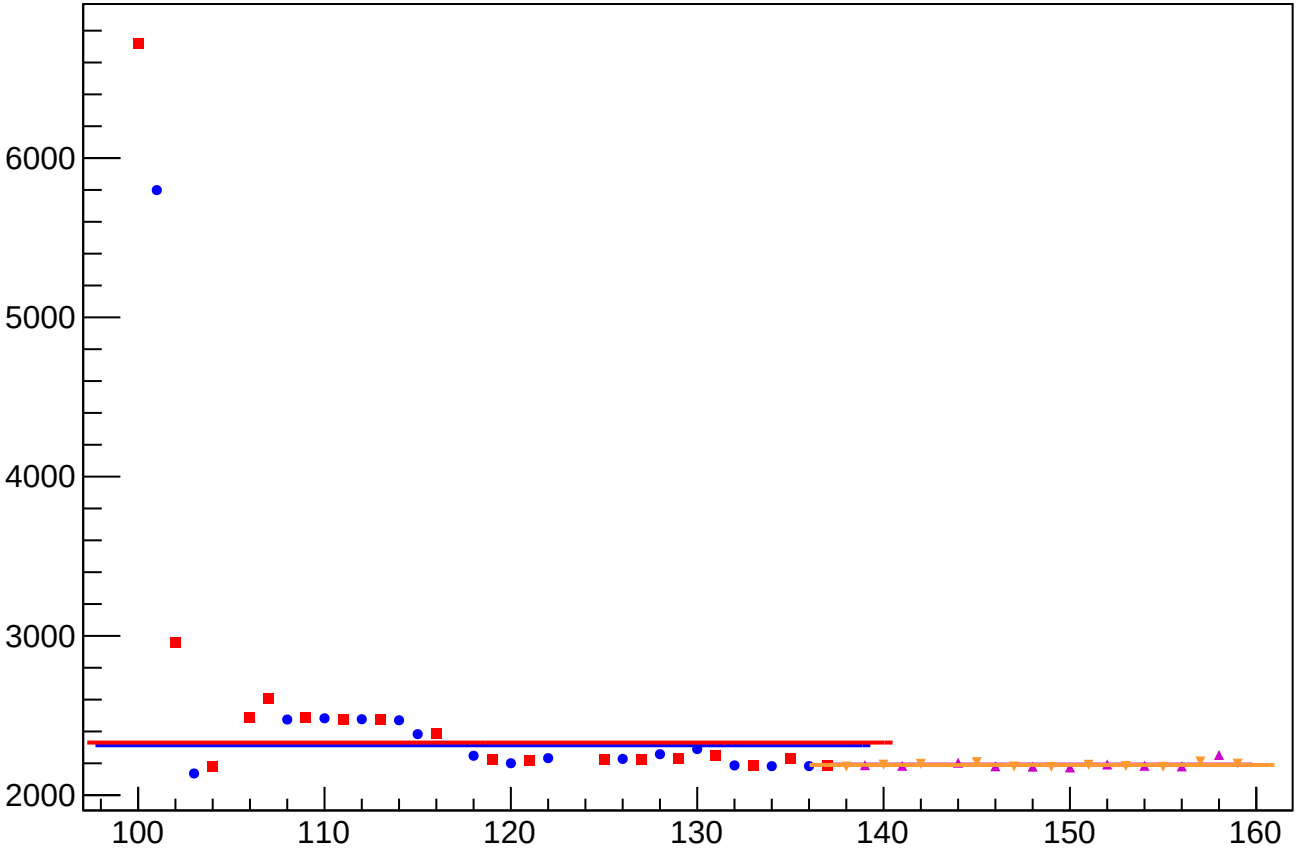
Left In: -4555.373+/-742.162 χ^2/NDF:24.9/9

+ sign 4487.185+/-565.529 χ^2/NDF: 27.0/26

All: 84.386+/-399.697 χ^2/NDF: 189.4/54

- sign -4309.948+/-564.985 χ^2/NDF: 41.3/27

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

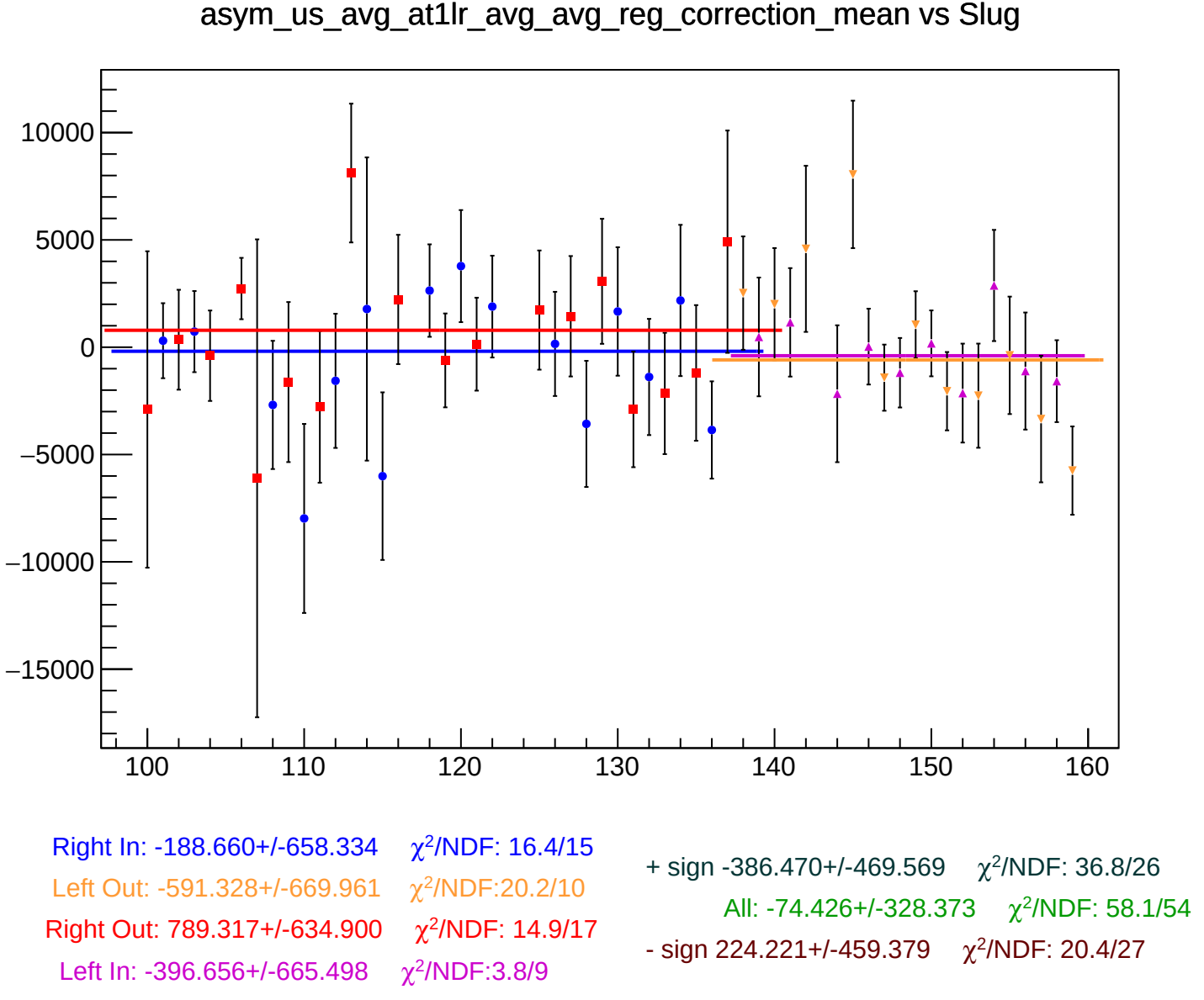
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

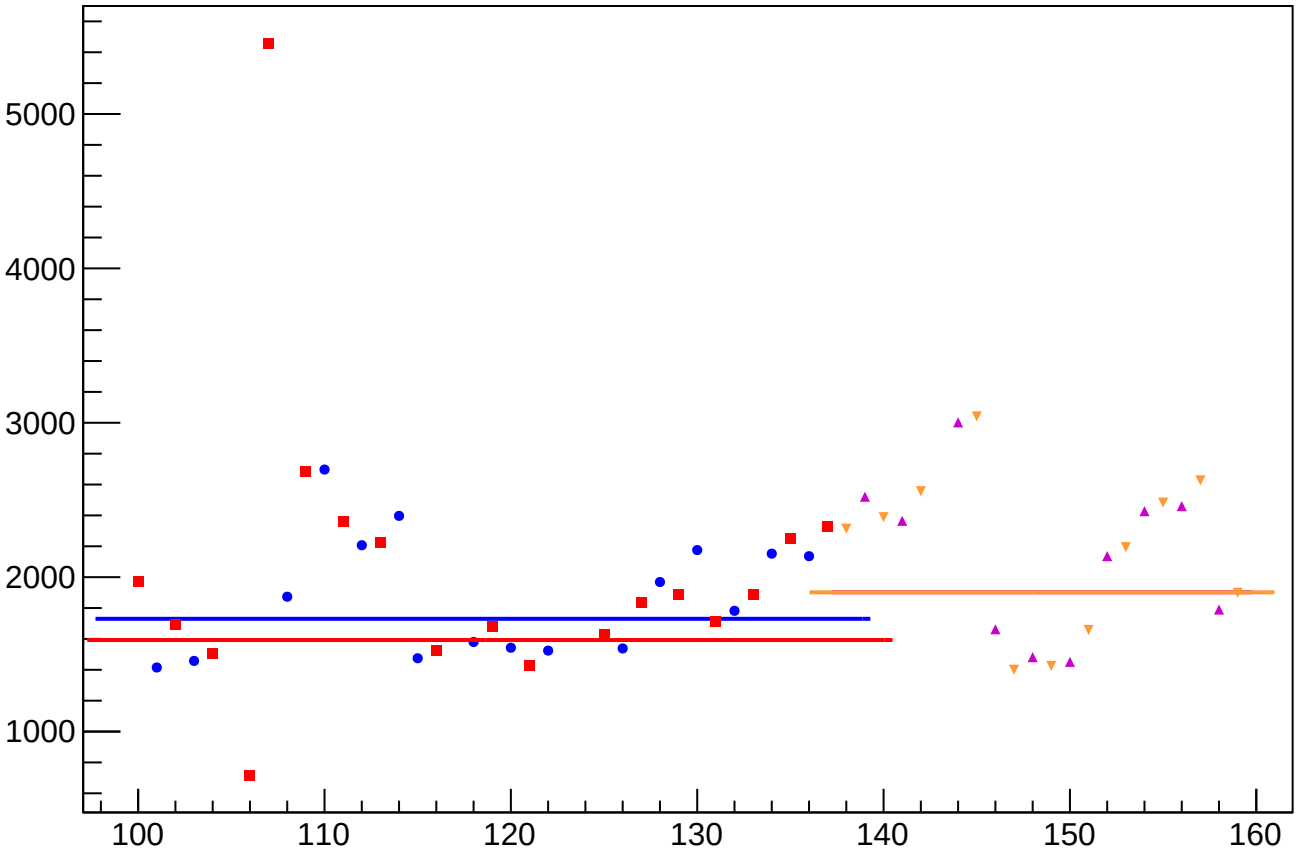
Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

+ sign 2241.404+/-0.400 χ^2/NDF: 536104.1/26

All: 2245.779+/-0.283 χ^2/NDF: 718321.0/54

- sign 2250.147+/-0.400 χ^2/NDF: 181977.6/27


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: -591.328+/-669.961 χ²/NDF:20.2/10
Right Out: 789.317+/-634.900 χ²/NDF: 14.9/17
Left In: -396.656+/-665.498 χ²/NDF:3.8/9
+ sign -386.470+/-469.569 χ²/NDF: 36.8/26
All: -74.426+/-328.373 χ²/NDF: 58.1/54
- sign 224.221+/-459.379 χ²/NDF: 20.4/27



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

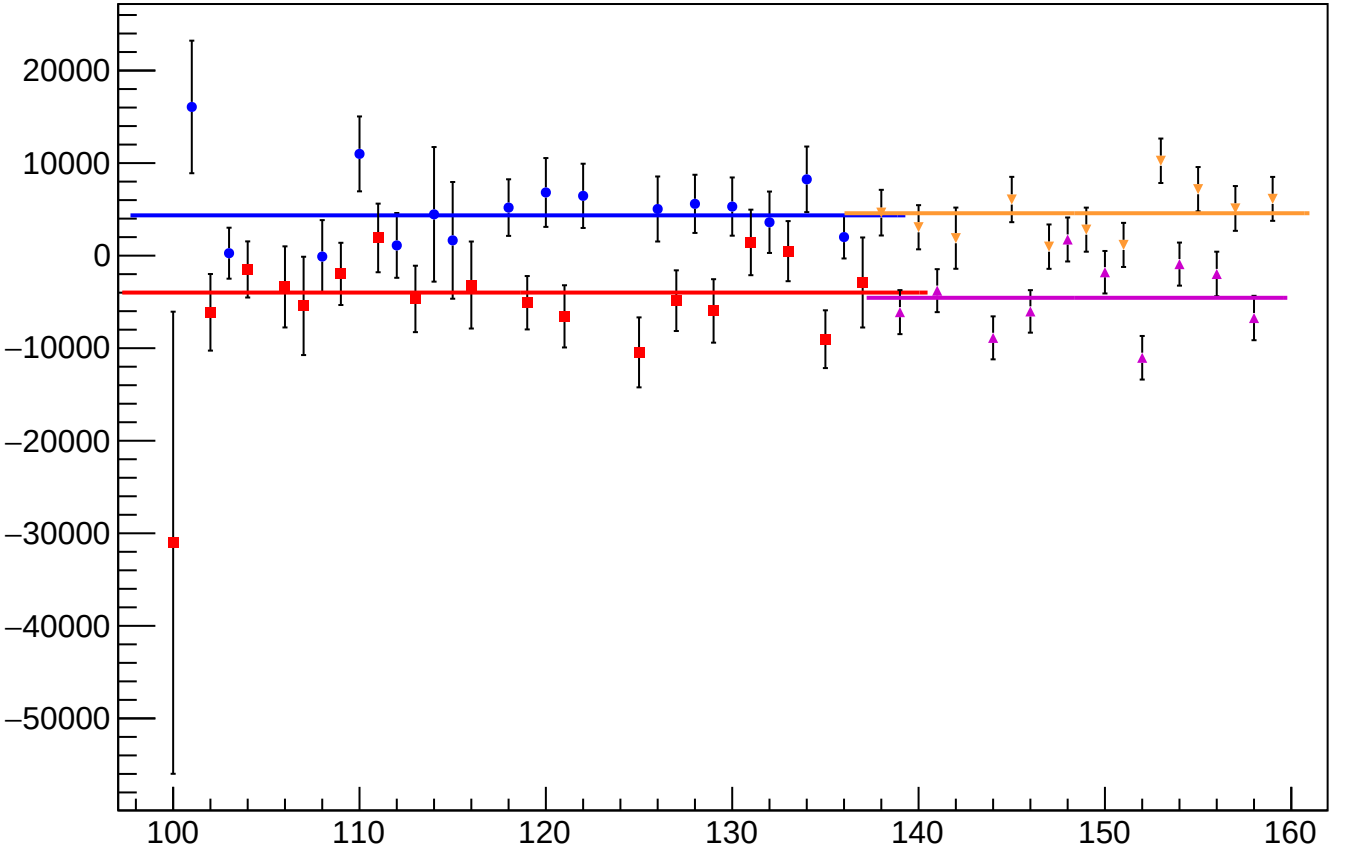
Left In: 1902.227+/-0.471 χ^2/NDF:942686.8/9

+ sign 1814.567+/-0.332 χ^2/NDF: 1615377.5/26

All: 1776.593+/-0.232 χ^2/NDF: 4366183.7/54

- sign 1740.249+/-0.325 χ^2/NDF: 2725208.2/27

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

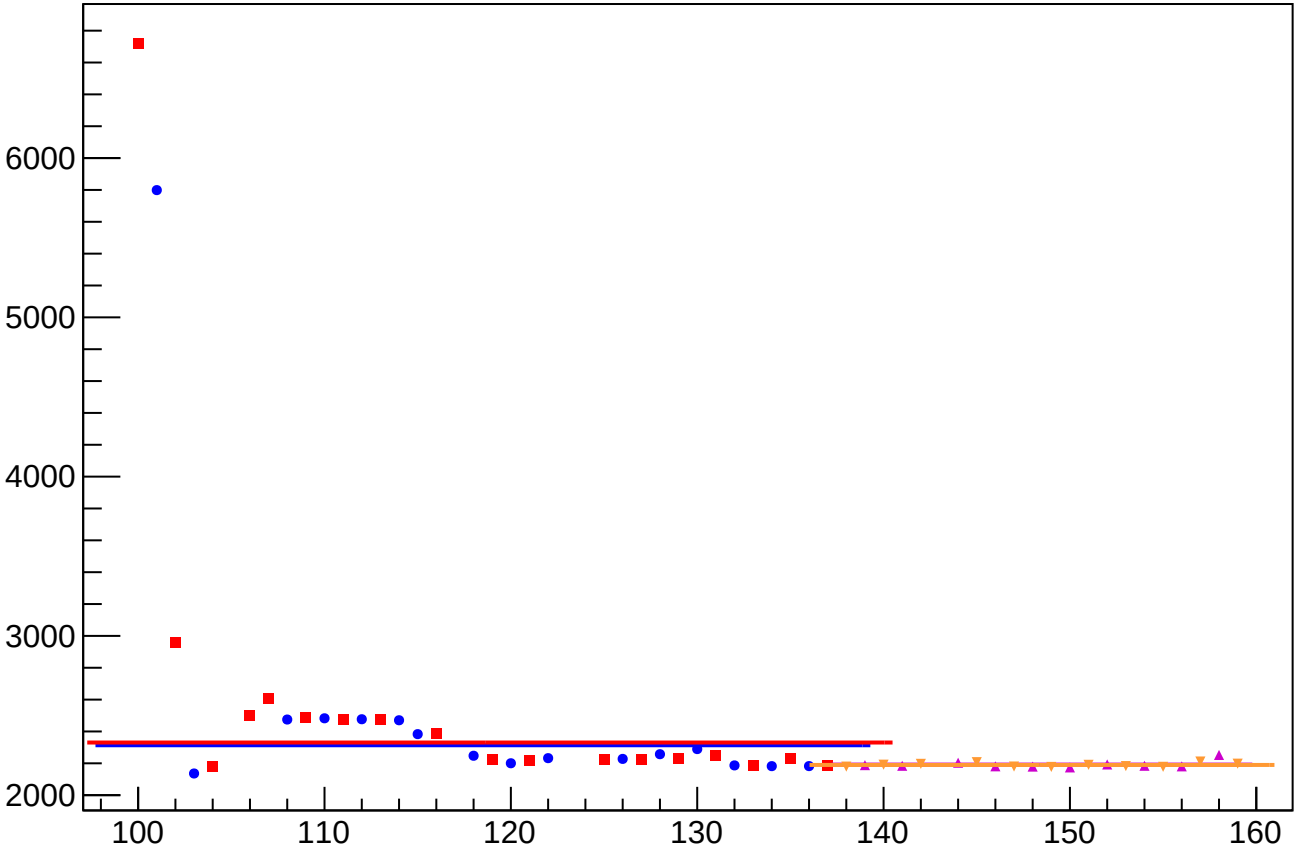
Left In: -4555.581+/-742.162 χ^2/NDF:24.9/9

+ sign 4486.825+/-565.529 χ^2/NDF: 26.9/26

All: 80.611+/-399.711 χ^2/NDF: 189.5/54

- sign -4317.771+/-565.026 χ^2/NDF: 41.3/27

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

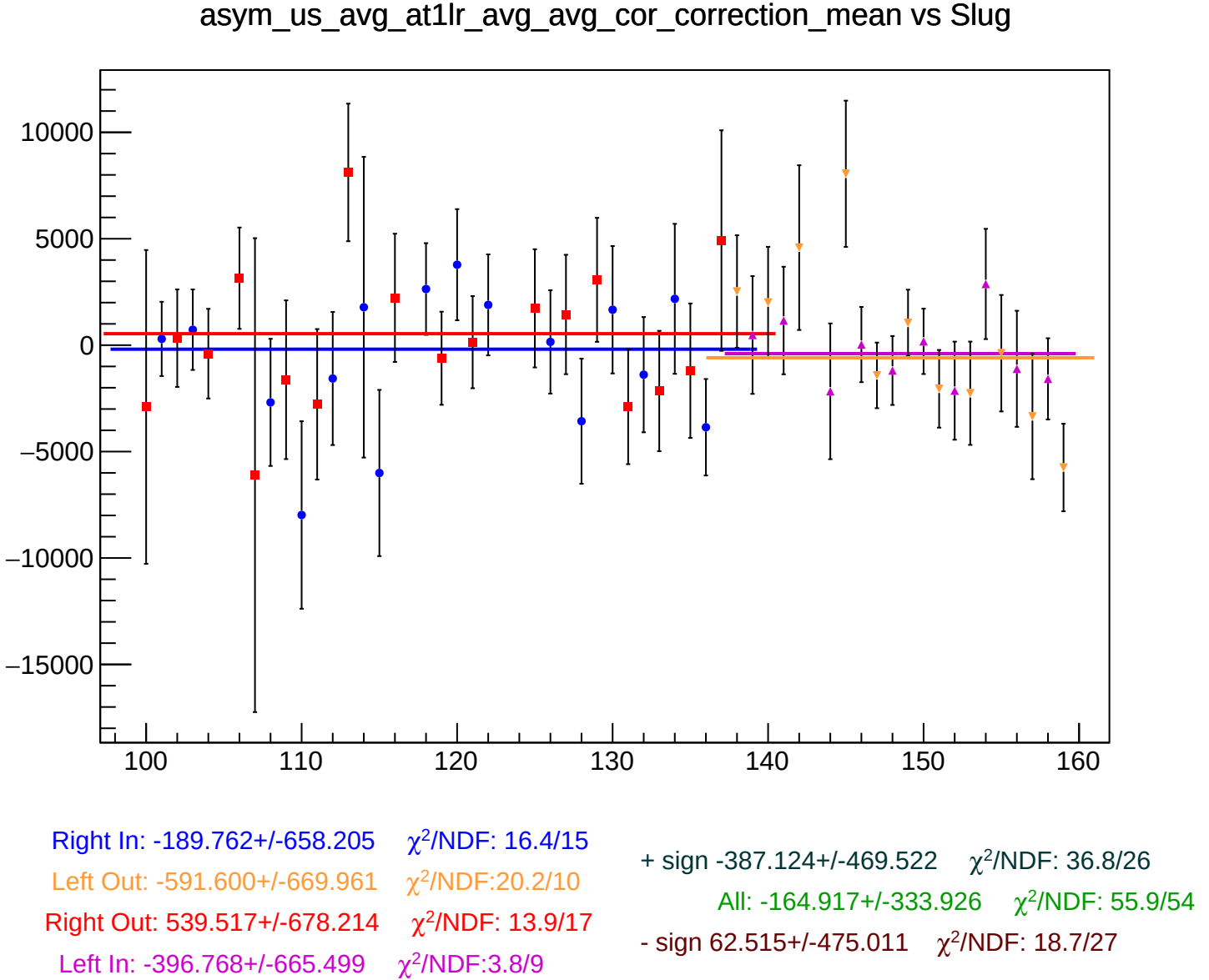
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

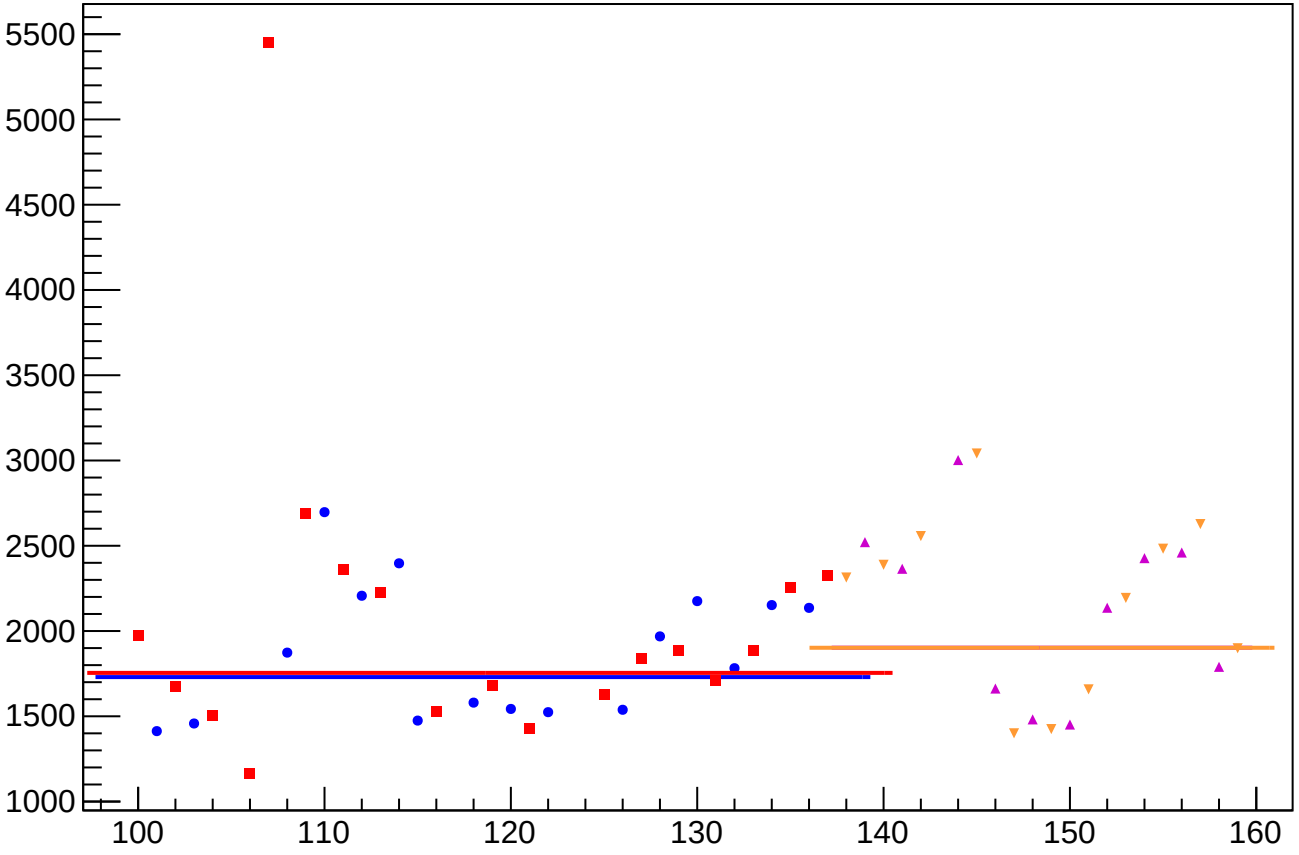
+ sign 2241.404+/-0.400 χ^2/NDF: 536104.5/26

All: 2245.851+/-0.283 χ^2/NDF: 718825.5/54

- sign 2250.290+/-0.400 χ^2/NDF: 182473.8/27


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: -396.768+/-665.499 χ²/NDF:3.8/9
+ sign -387.124+/-469.522 χ²/NDF: 36.8/26
All: -164.917+/-333.926 χ²/NDF: 55.9/54
- sign 62.515+/-475.011 χ²/NDF: 18.7/27

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

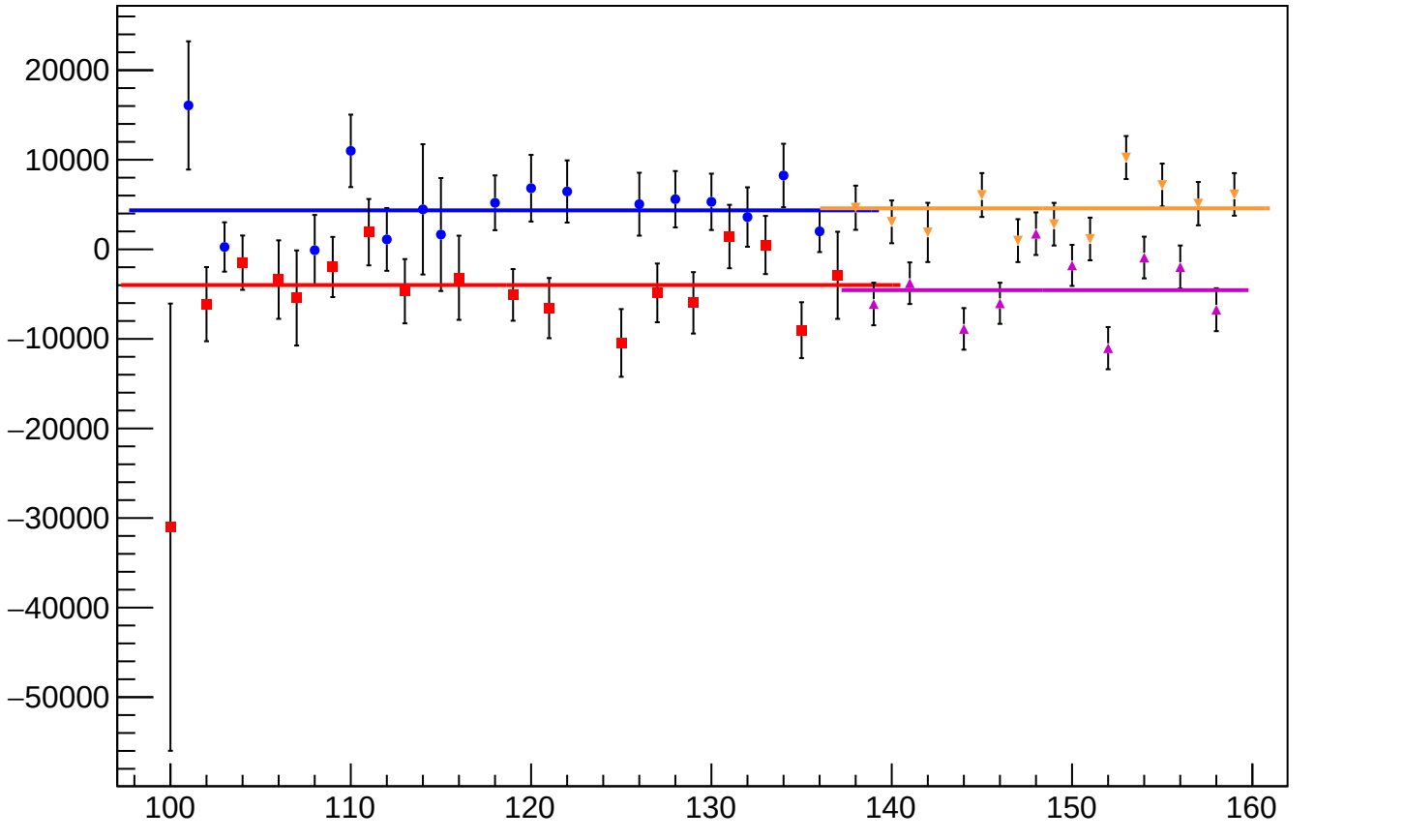
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1902.228+/-0.471 χ^2/NDF:942694.8/9

+ sign 1814.352+/-0.332 χ^2/NDF: 1616691.0/26

All: 1821.974+/-0.236 χ^2/NDF: 3359788.0/54

- sign 1829.775+/-0.336 χ^2/NDF: 1742030.6/27



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

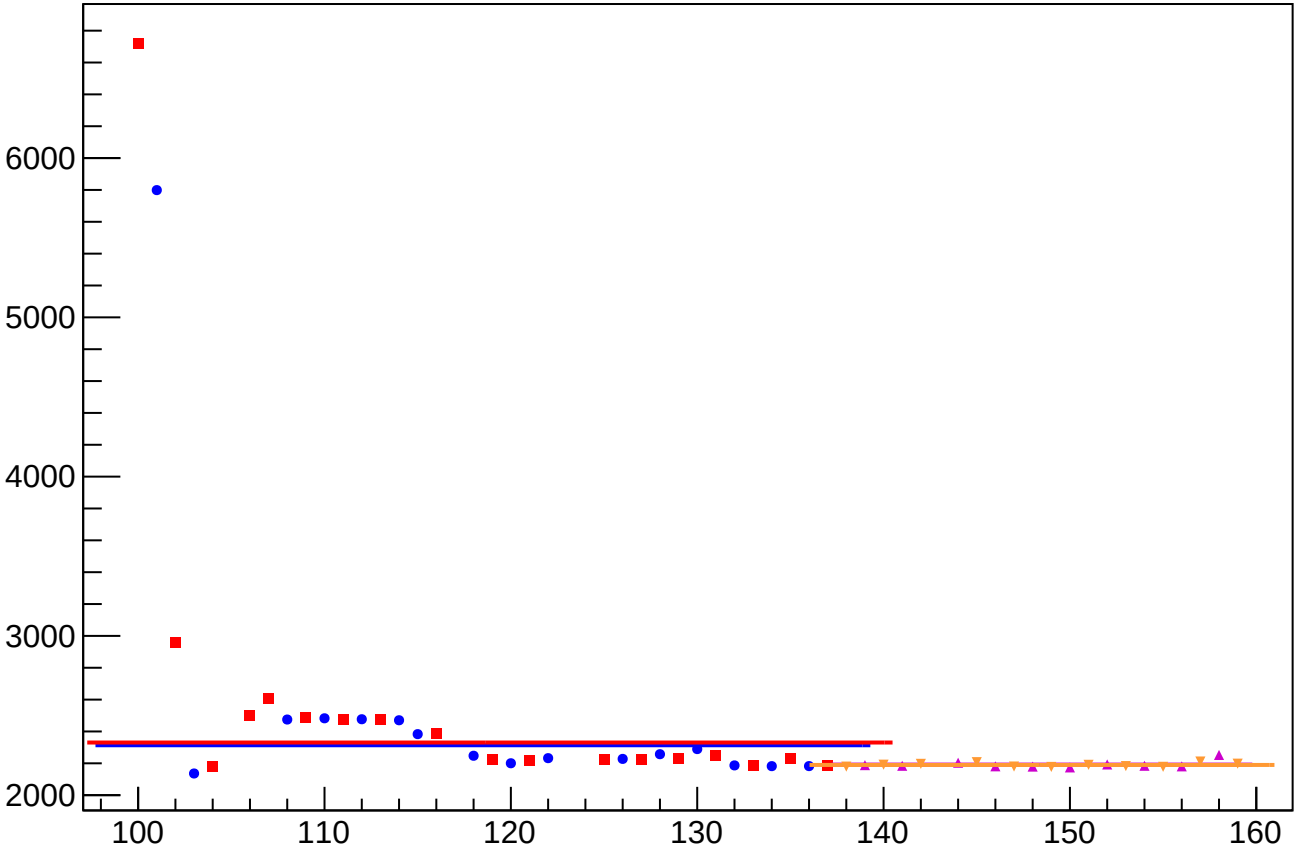
Left In: -4555.581+/-742.162 χ^2/NDF:24.9/9

+ sign 4486.825+/-565.529 χ^2/NDF: 26.9/26

All: 80.611+/-399.711 χ^2/NDF: 189.5/54

- sign -4317.771+/-565.026 χ^2/NDF: 41.3/27

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2189.775+/-0.524 χ^2/NDF:483.3/10

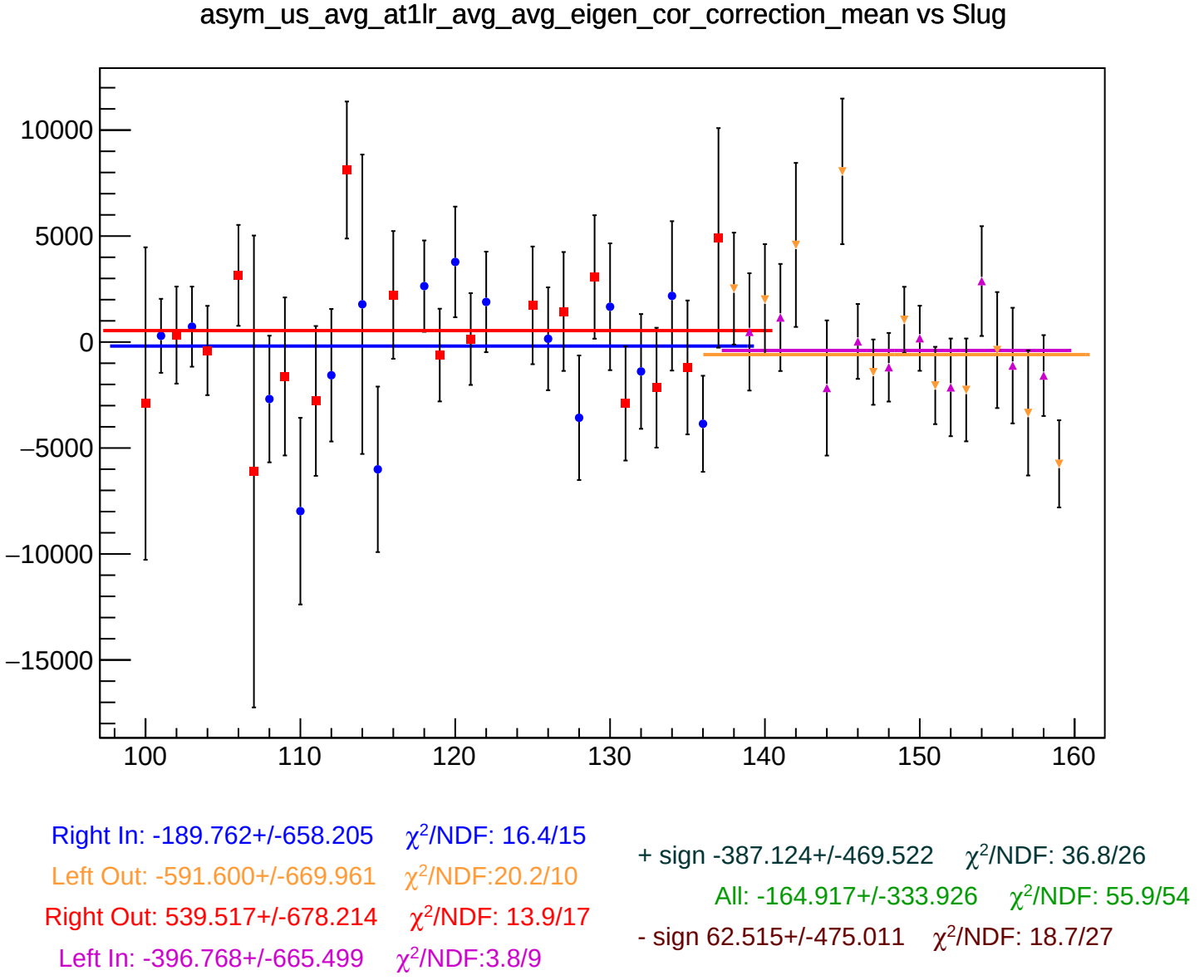
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

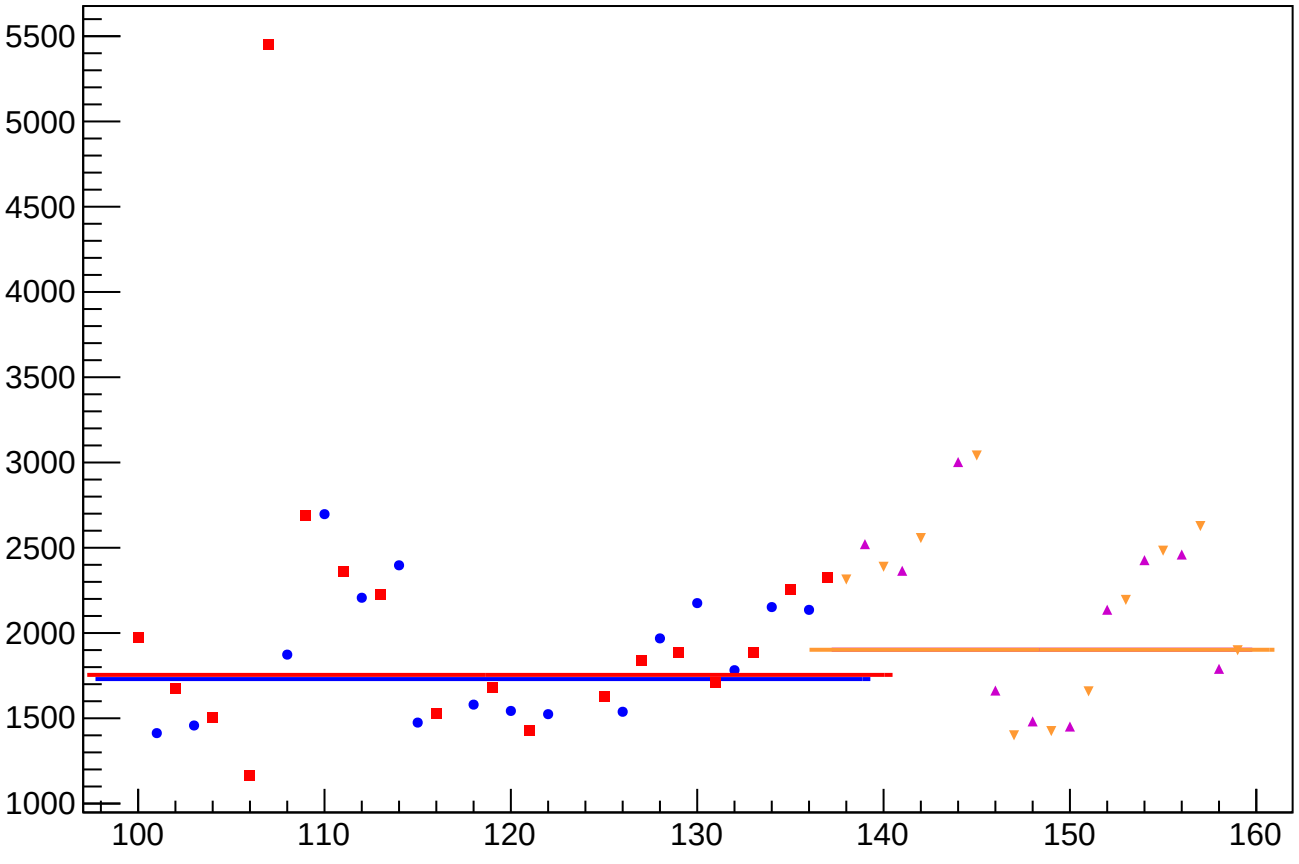
Left In: 2192.065+/-0.525 χ^2/NDF:1634.4/9

+ sign 2241.404+/-0.400 χ^2/NDF: 536104.5/26

All: 2245.851+/-0.283 χ^2/NDF: 718825.5/54

- sign 2250.290+/-0.400 χ^2/NDF: 182473.8/27


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: -396.768+/-665.499 χ²/NDF:3.8/9
+ sign -387.124+/-469.522 χ²/NDF: 36.8/26
All: -164.917+/-333.926 χ²/NDF: 55.9/54
- sign 62.515+/-475.011 χ²/NDF: 18.7/27



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

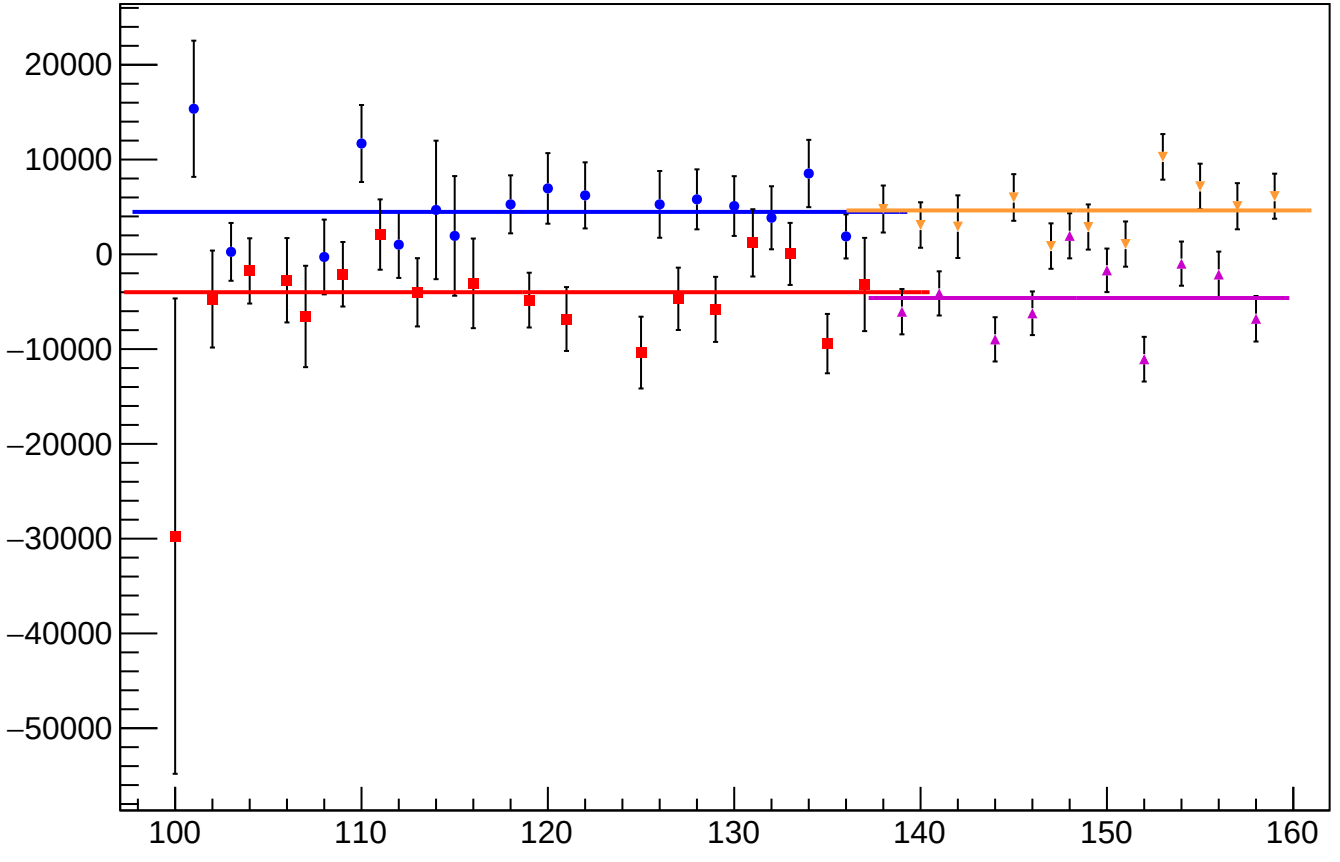
Left In: 1902.228+/-0.471 χ^2/NDF:942694.8/9

+ sign 1814.352+/-0.332 χ^2/NDF: 1616691.0/26

All: 1821.974+/-0.236 χ^2/NDF: 3359788.0/54

- sign 1829.775+/-0.336 χ^2/NDF: 1742030.6/27

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4631.408+/-743.016 χ^2/NDF:13.3/10

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

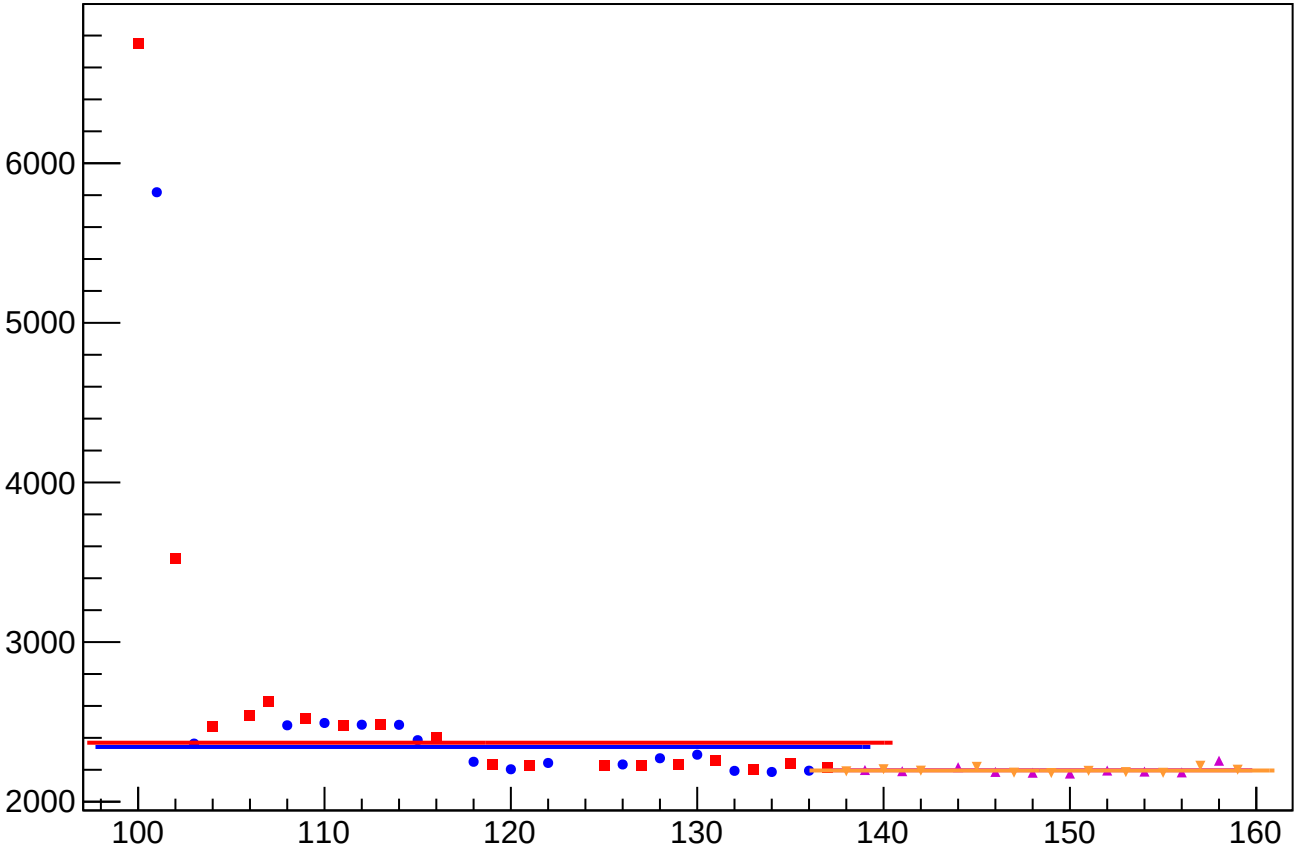
Left In: -4607.656+/-743.977 χ^2/NDF:25.4/9

+ sign 4567.426+/-569.341 χ^2/NDF: 26.8/26

All: 118.051+/-403.144 χ^2/NDF: 190.5/54

- sign -4356.124+/-570.926 χ^2/NDF: 41.2/27

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

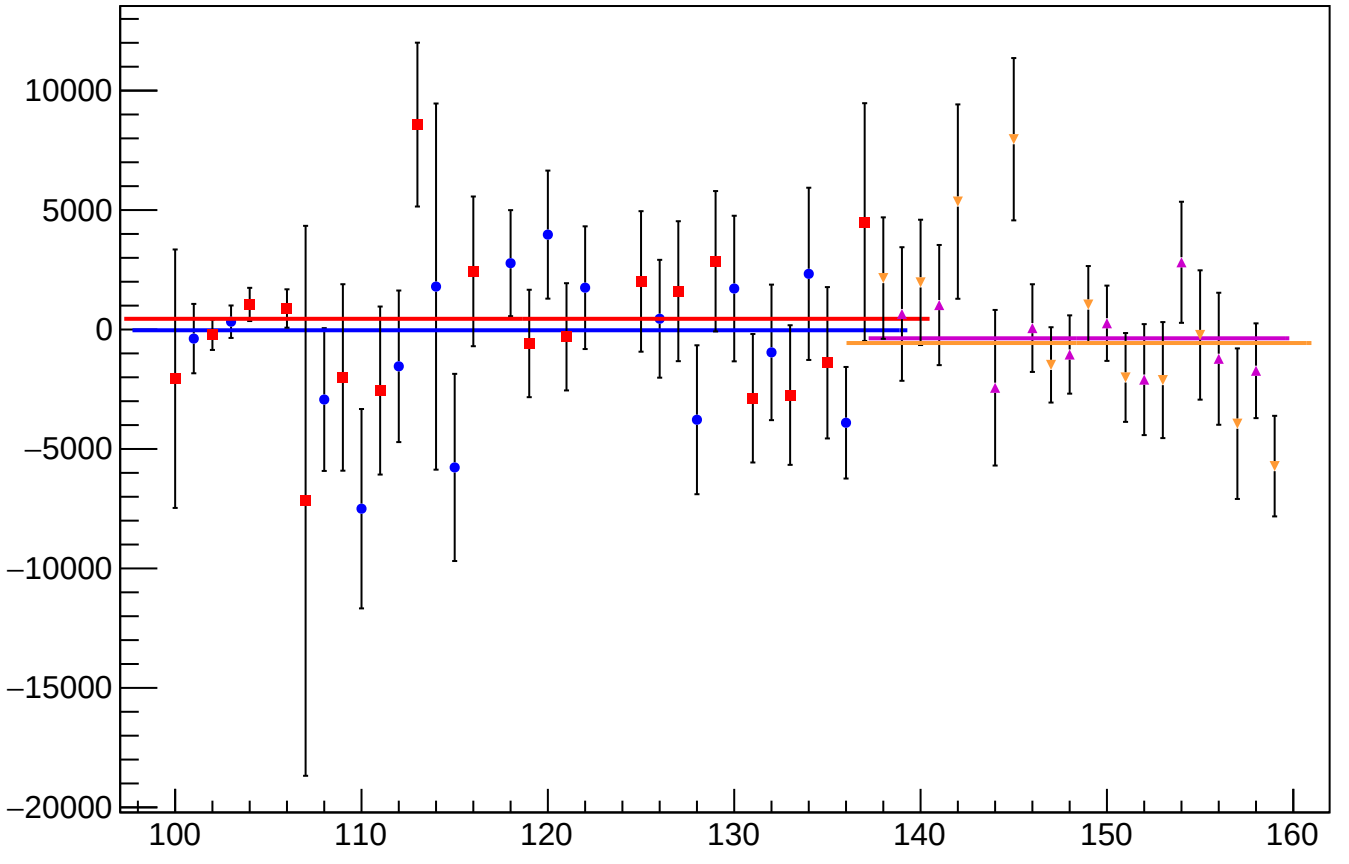
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2197.337+/-0.526 χ^2/NDF:1752.1/9

+ sign 2256.370+/-0.403 χ^2/NDF: 536131.9/26

All: 2262.240+/-0.285 χ^2/NDF: 792524.2/54

- sign 2268.144+/-0.404 χ^2/NDF: 255965.8/27



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

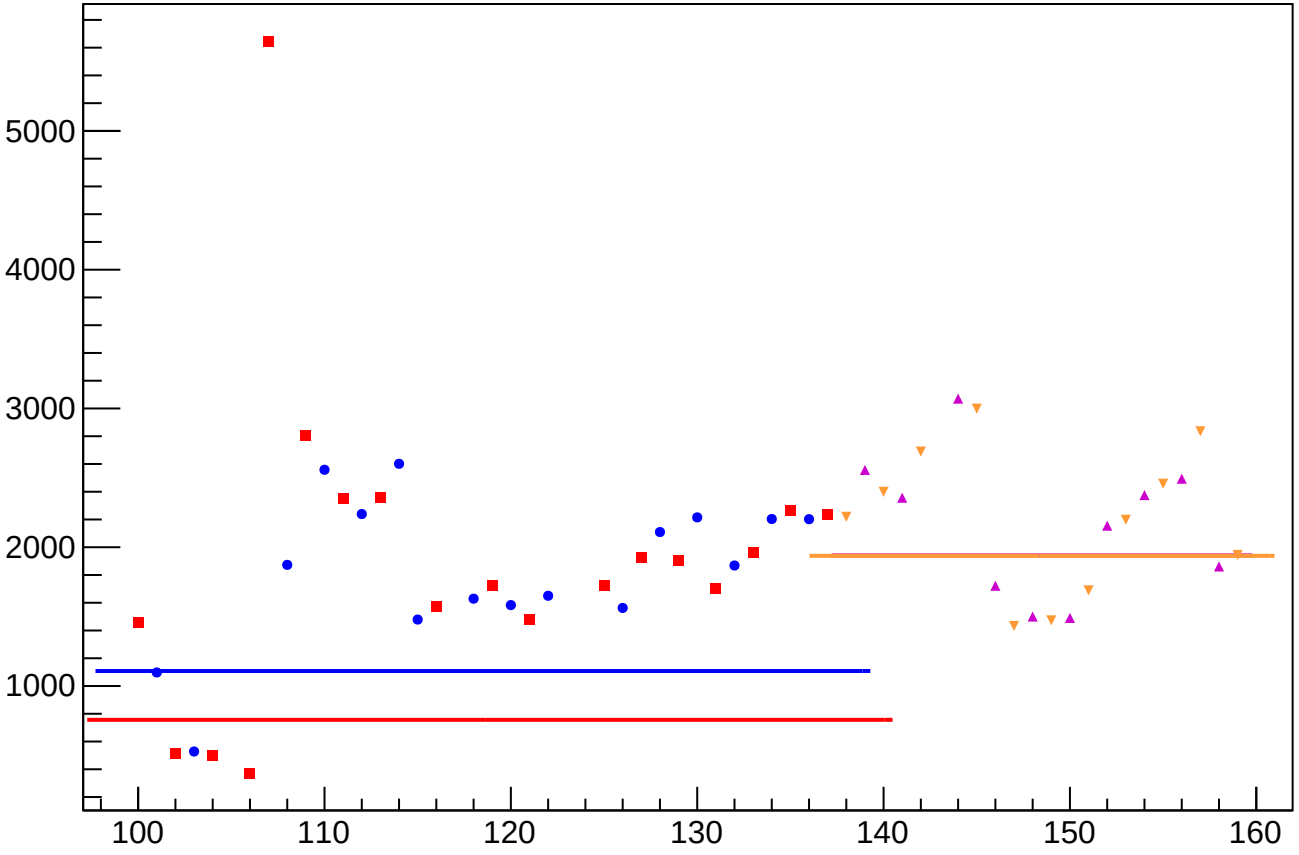
Left In: -367.395+/-677.481 χ^2/NDF:3.9/9

\+ sign -211.190+/-395.242 χ^2/NDF: 36.7/26

All: 77.690+/-248.551 χ^2/NDF: 57.8/54

\- sign 266.661+/-319.670 χ^2/NDF: 20.1/27

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1938.324+/-0.482 χ^2/NDF:1015767.8/10

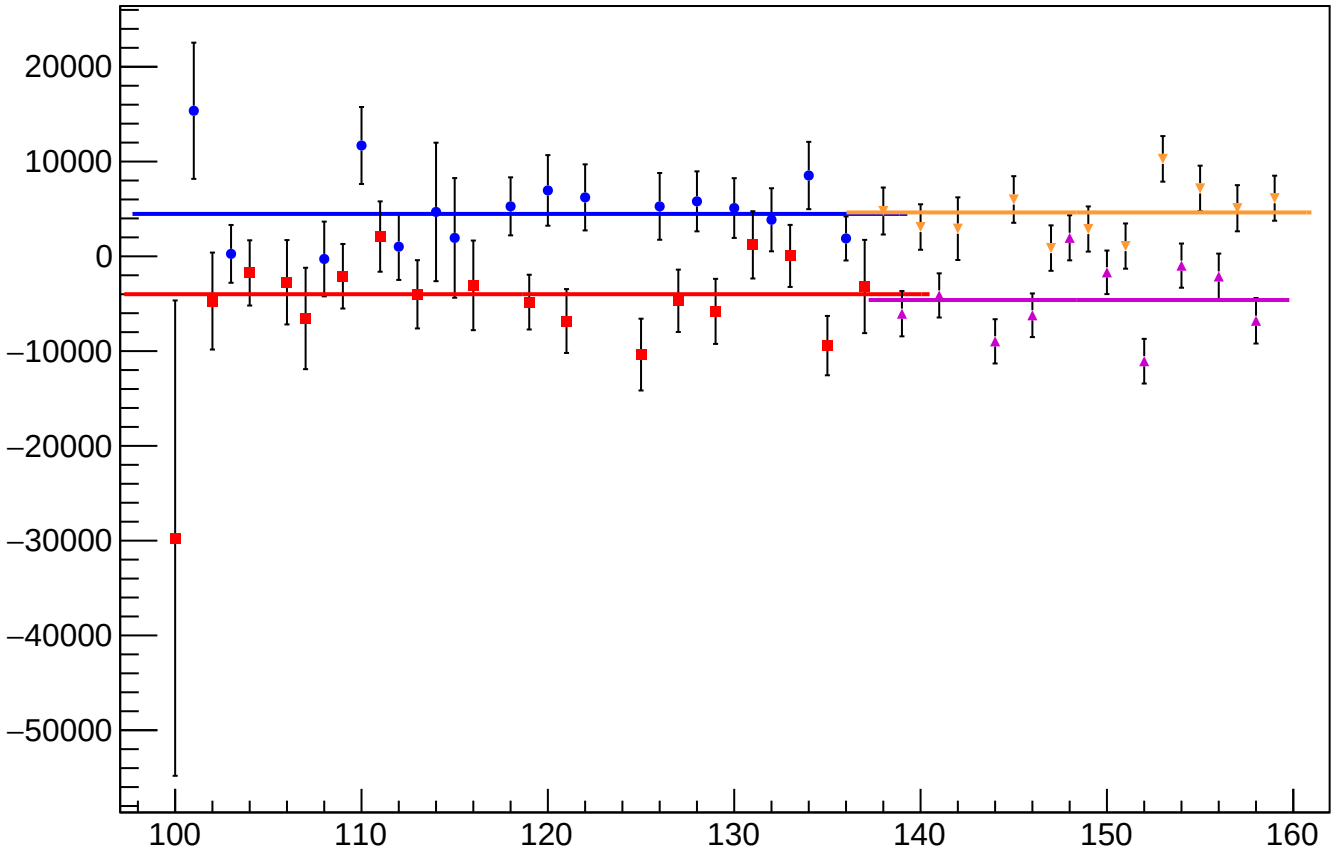
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1941.341+/-0.479 χ^2/NDF:888293.5/9

+ sign 1387.732+/-0.279 χ^2/NDF: 6733118.1/26

All: 1165.565+/-0.176 χ^2/NDF: 19025848.2/5

- sign 1020.234+/-0.226 χ^2/NDF: 11247438.2/27



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

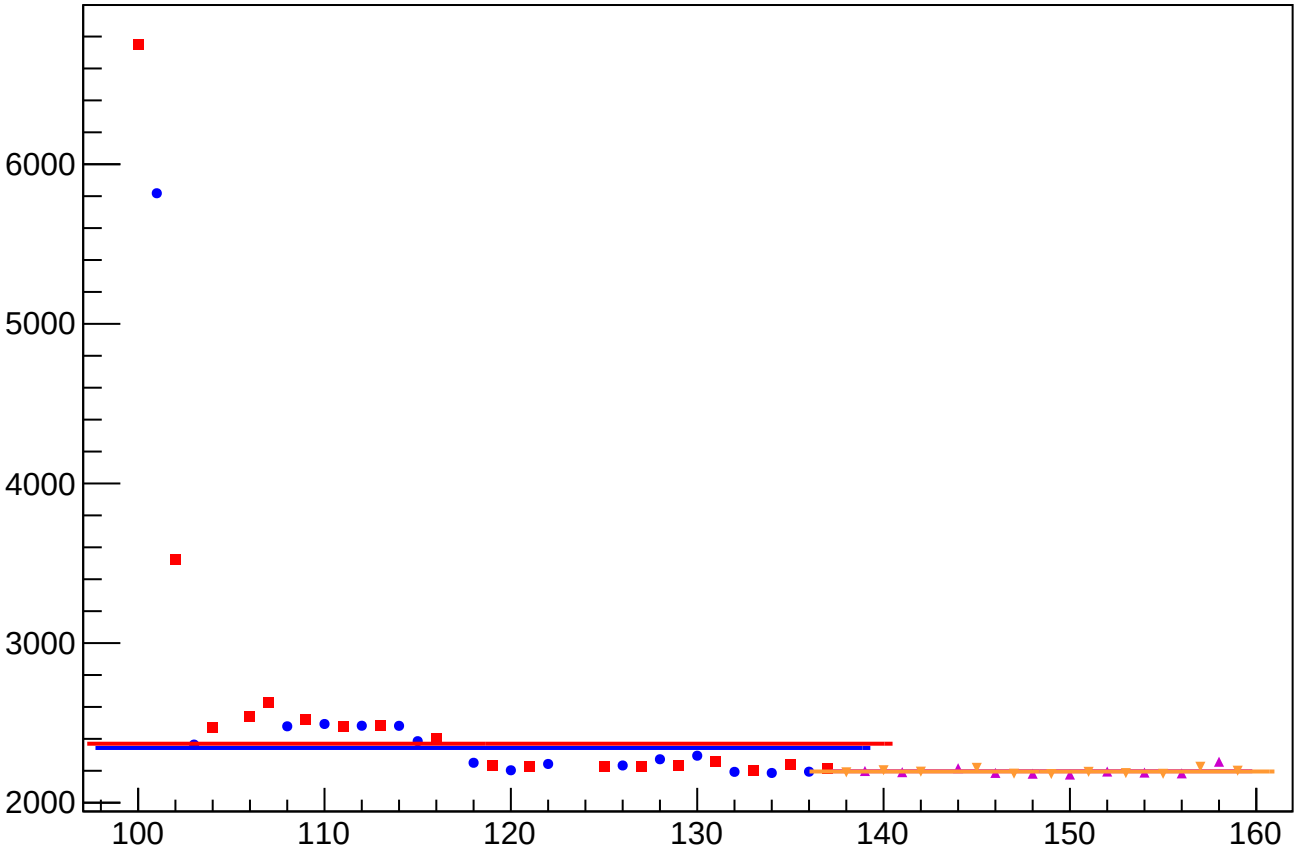
Left In: -4607.657+/-743.977 χ^2/NDF:25.4/9

+ sign 4567.423+/-569.341 χ^2/NDF: 26.8/26

All: 118.050+/-403.144 χ^2/NDF: 190.5/54

- sign -4356.123+/-570.926 χ^2/NDF: 41.2/27

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

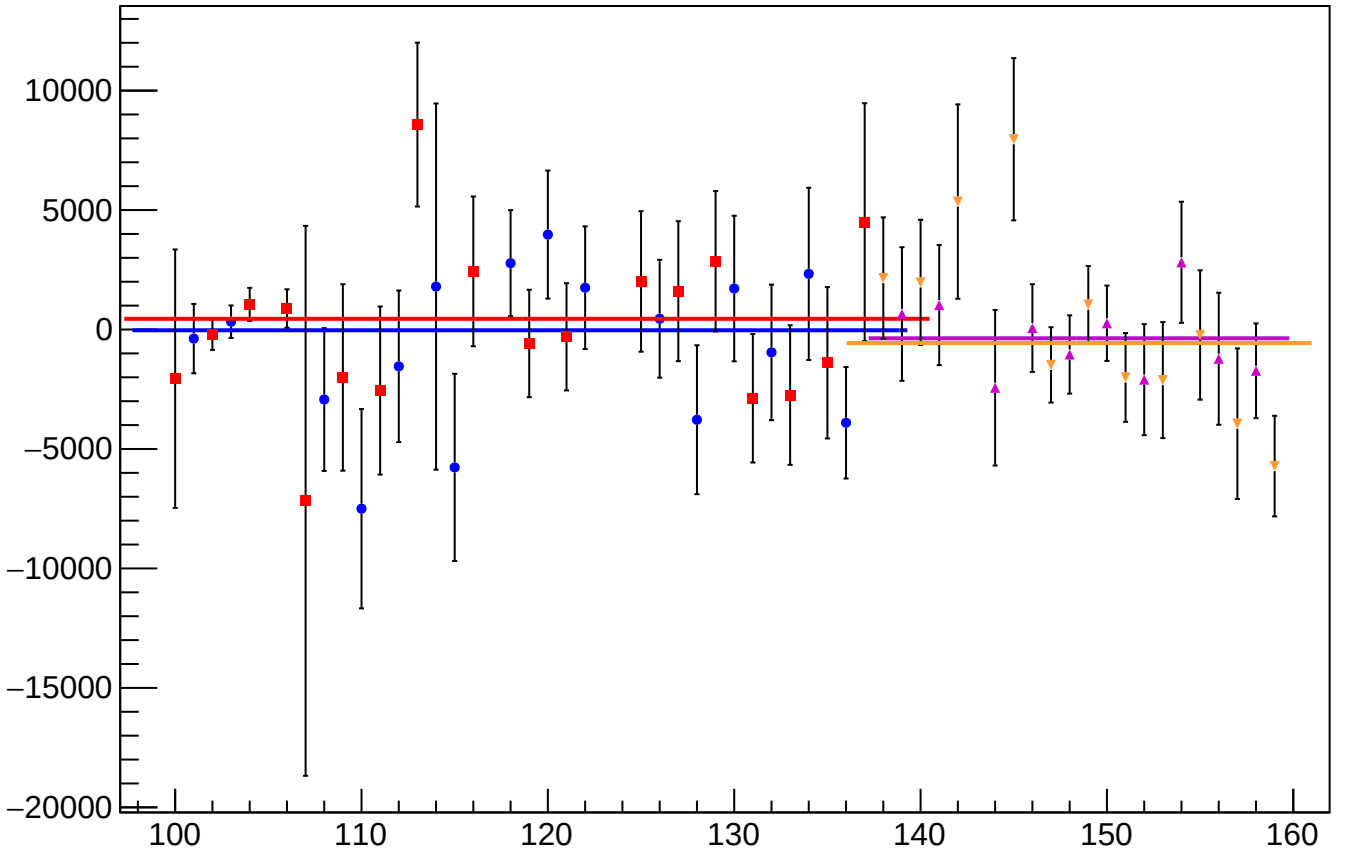
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2197.337+/-0.526 χ^2/NDF:1752.1/9

+ sign 2256.370+/-0.403 χ^2/NDF: 536131.7/26

All: 2262.240+/-0.285 χ^2/NDF: 792522.6/54

- sign 2268.143+/-0.404 χ^2/NDF: 255964.5/27



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -565.263+/-681.065 χ^2/NDF:20.0/10

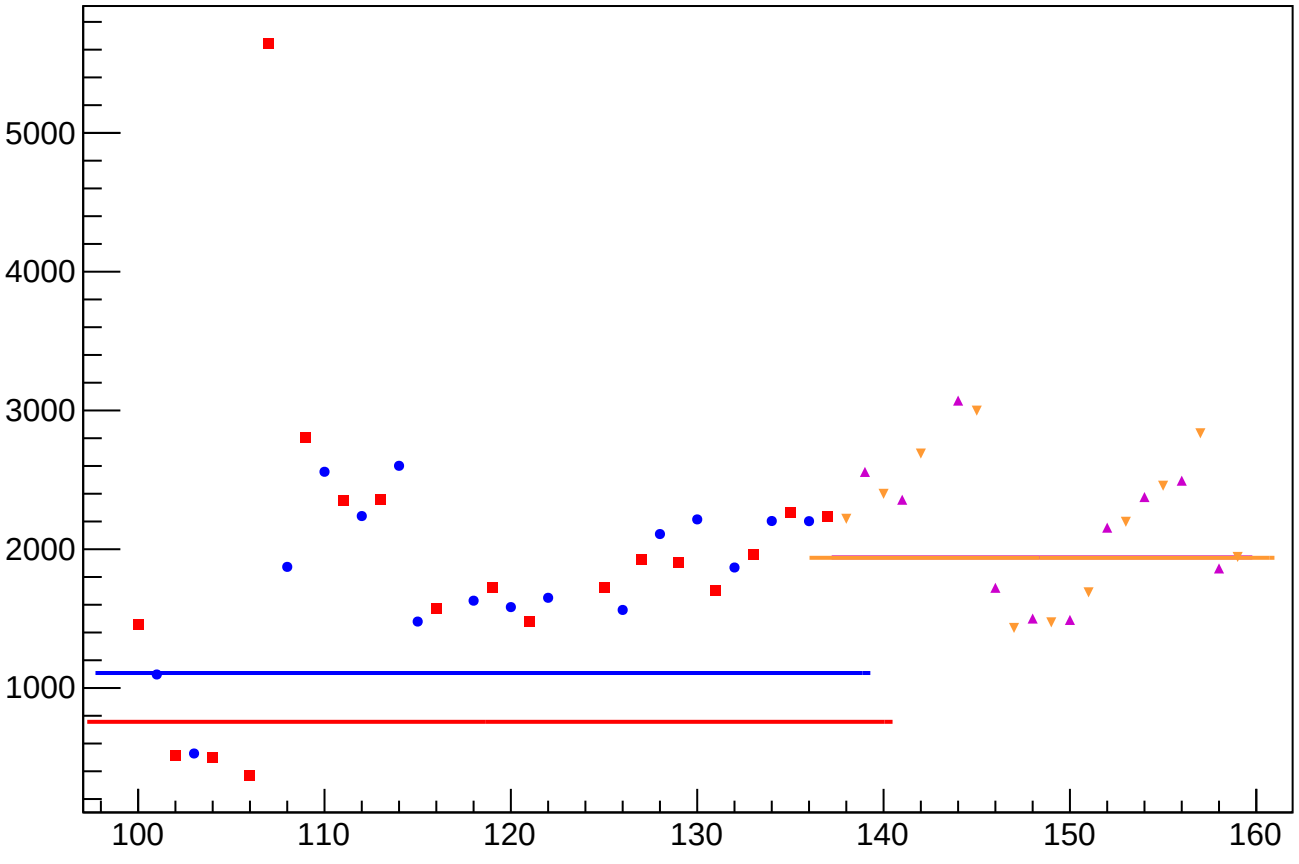
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -367.397+/-677.483 χ^2/NDF:3.9/9

+ sign -211.197+/-395.244 χ^2/NDF: 36.7/26

All: 77.685+/-248.553 χ^2/NDF: 57.8/54

- sign 266.660+/-319.674 χ^2/NDF: 20.1/27



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

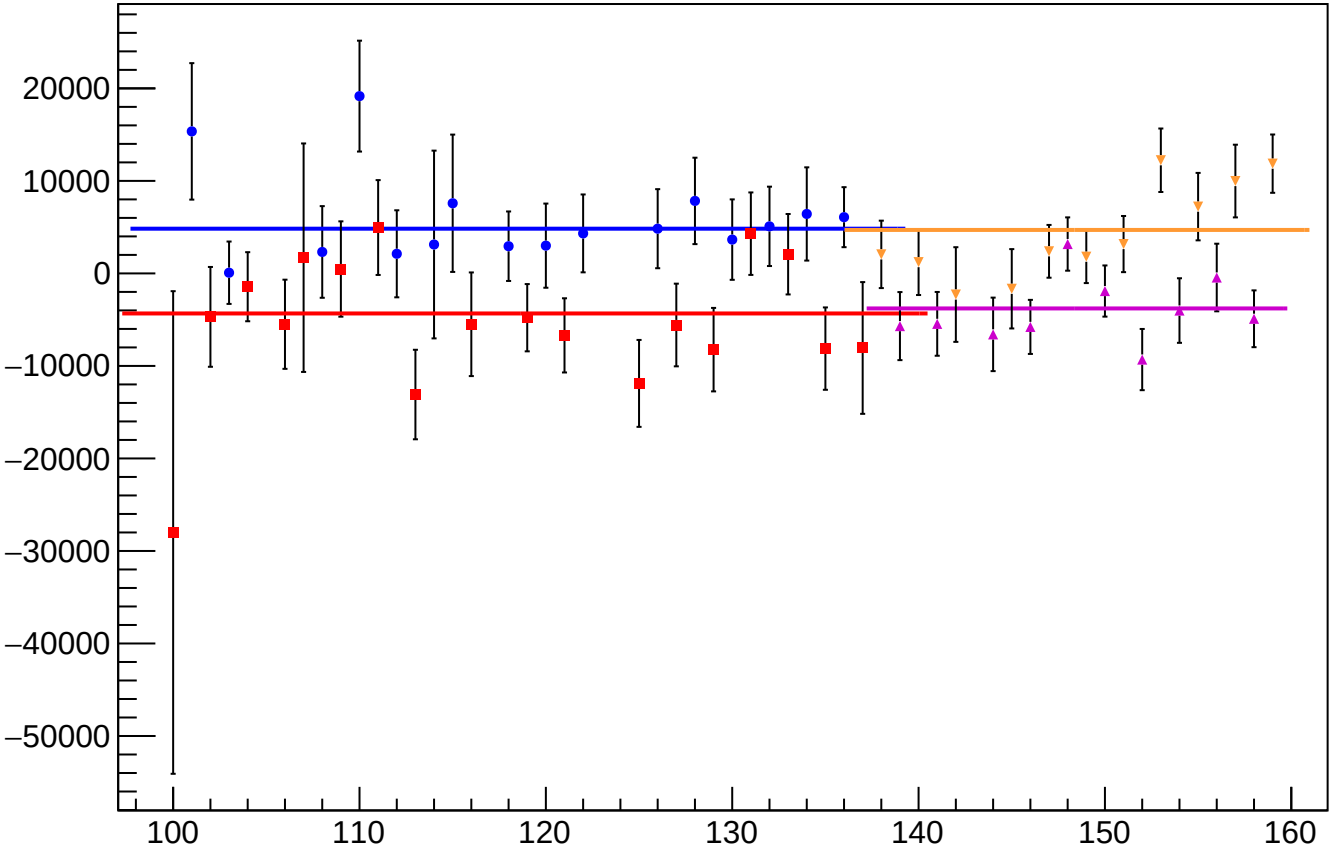
Left In: 1941.345+/-0.479 χ^2/NDF:888292.7/9

+ sign 1387.741+/-0.279 χ^2/NDF: 6733000.8/26

All: 1165.580+/-0.176 χ^2/NDF: 19025417.6/5

- sign 1020.251+/-0.226 χ^2/NDF: 11247185.1/27

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

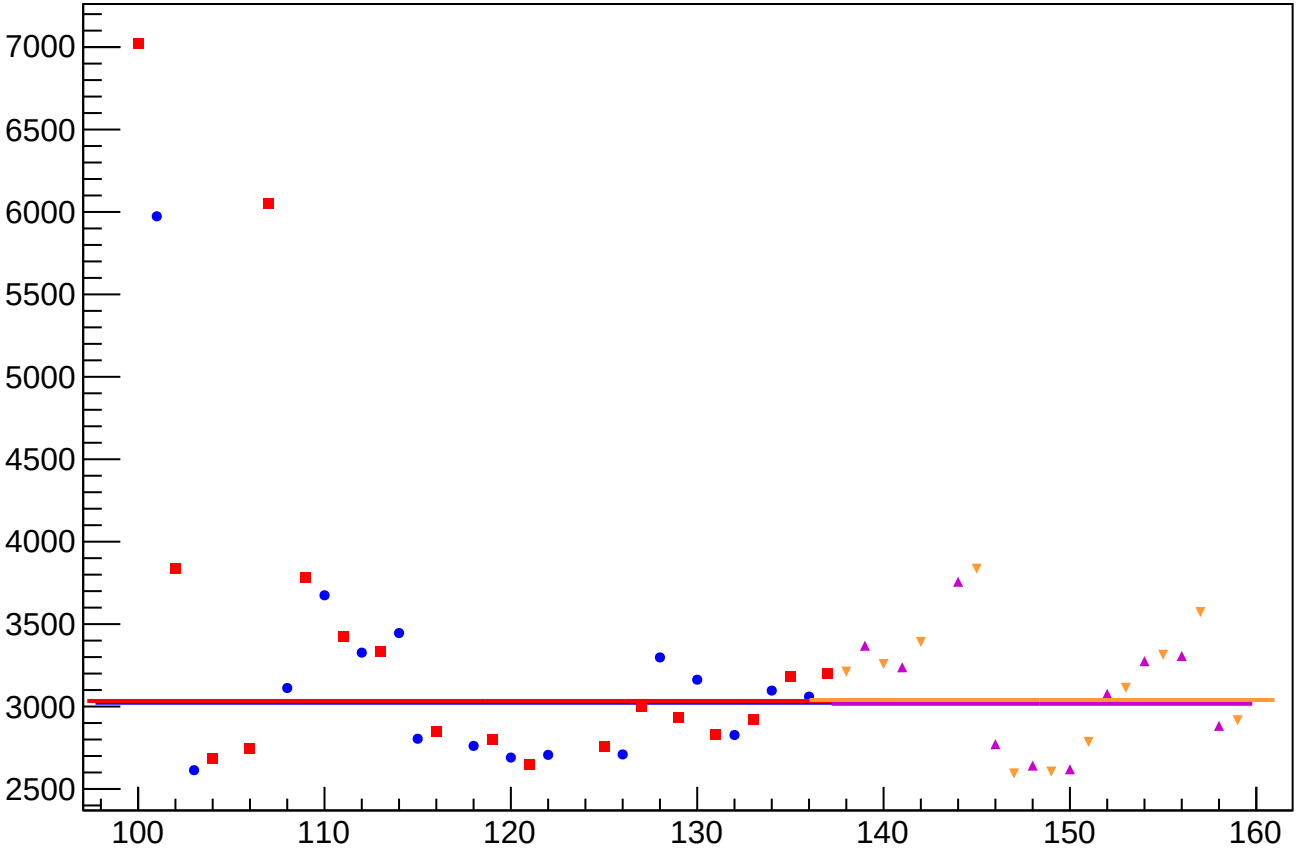
Left In: -3786.209+/-1029.112 χ^2/NDF:11.5/9

+ sign 4760.108+/-768.448 χ^2/NDF: 31.4/26

All: 347.427+/-542.243 χ^2/NDF: 128.7/54

- sign -4028.683+/-765.257 χ^2/NDF: 31.6/27

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

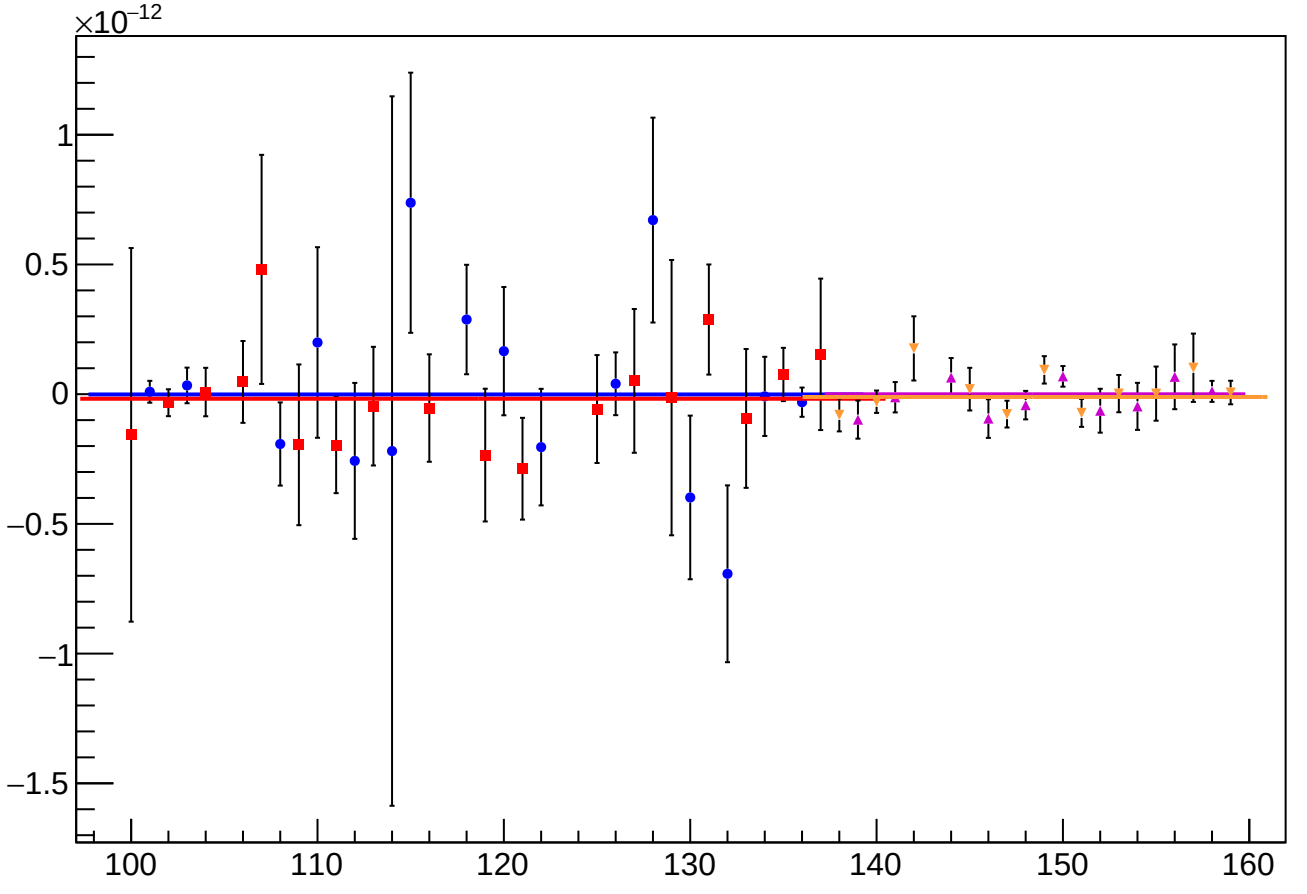
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3016.792+/-0.728 χ^2/NDF:213236.0/9

+ sign 3032.255+/-0.543 χ^2/NDF: 695802.6/26

All: 3028.324+/-0.383 χ^2/NDF: 1252063.8/54

- sign 3024.426+/-0.541 χ^2/NDF: 556156.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/10

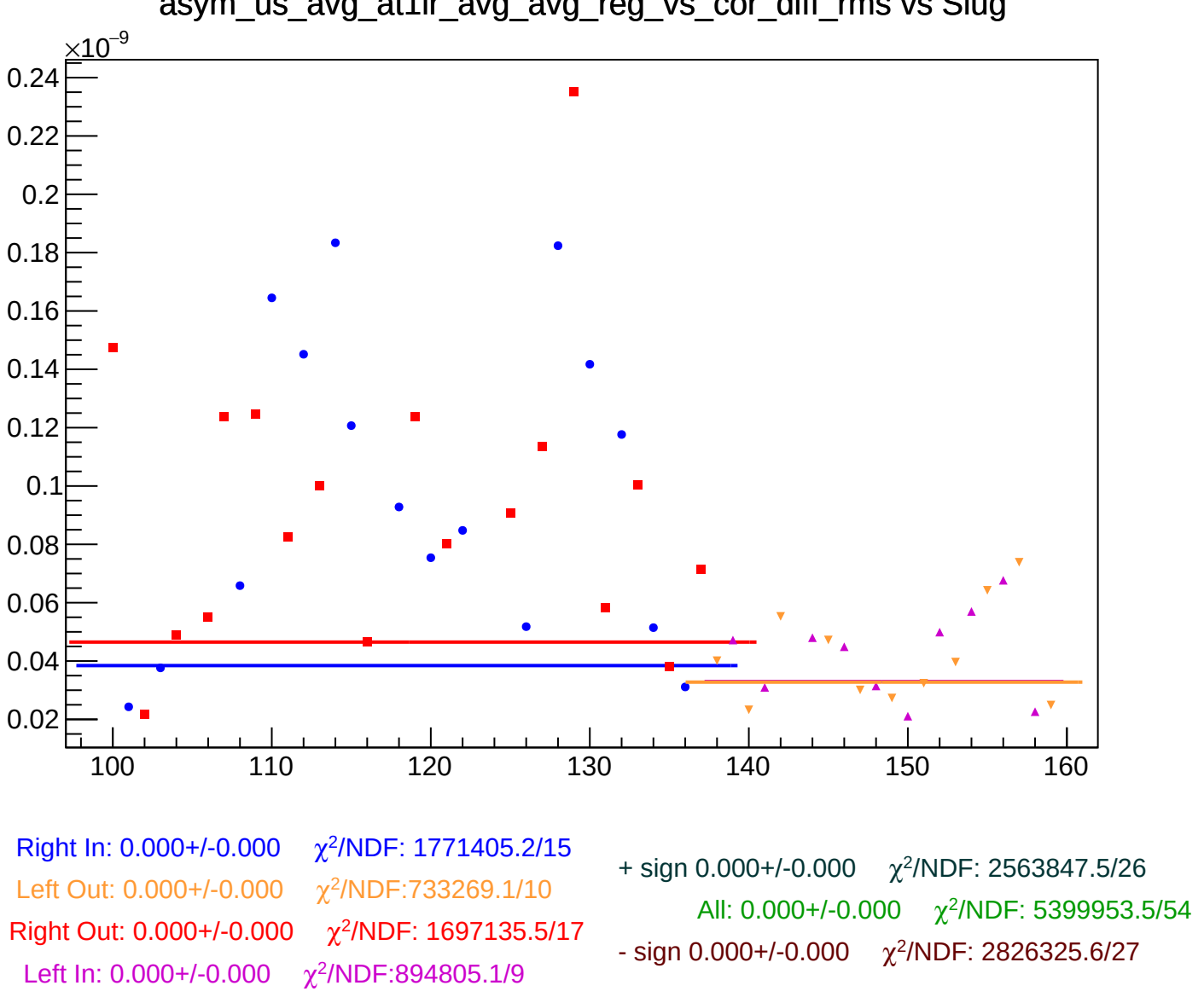
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

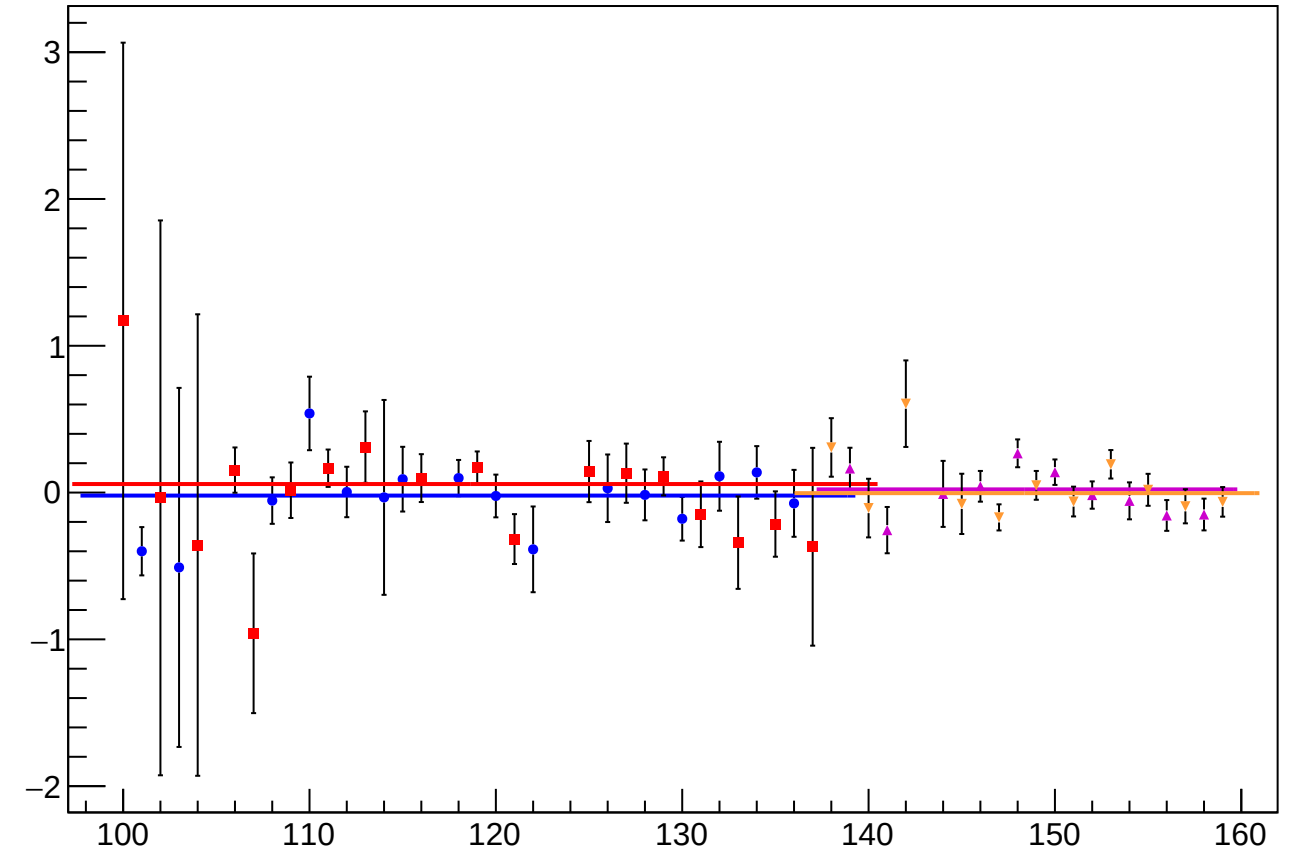
Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/26

All: -0.000+/-0.000 χ^2/NDF: 46.8/54

- sign -0.000+/-0.000 χ^2/NDF: 18.1/27


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:733269.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:894805.1/9
+ sign 0.000+/-0.000 χ²/NDF: 2563847.5/26
All: 0.000+/-0.000 χ²/NDF: 5399953.5/54
- sign 0.000+/-0.000 χ²/NDF: 2826325.6/27



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.036 χ^2/NDF:16.2/10

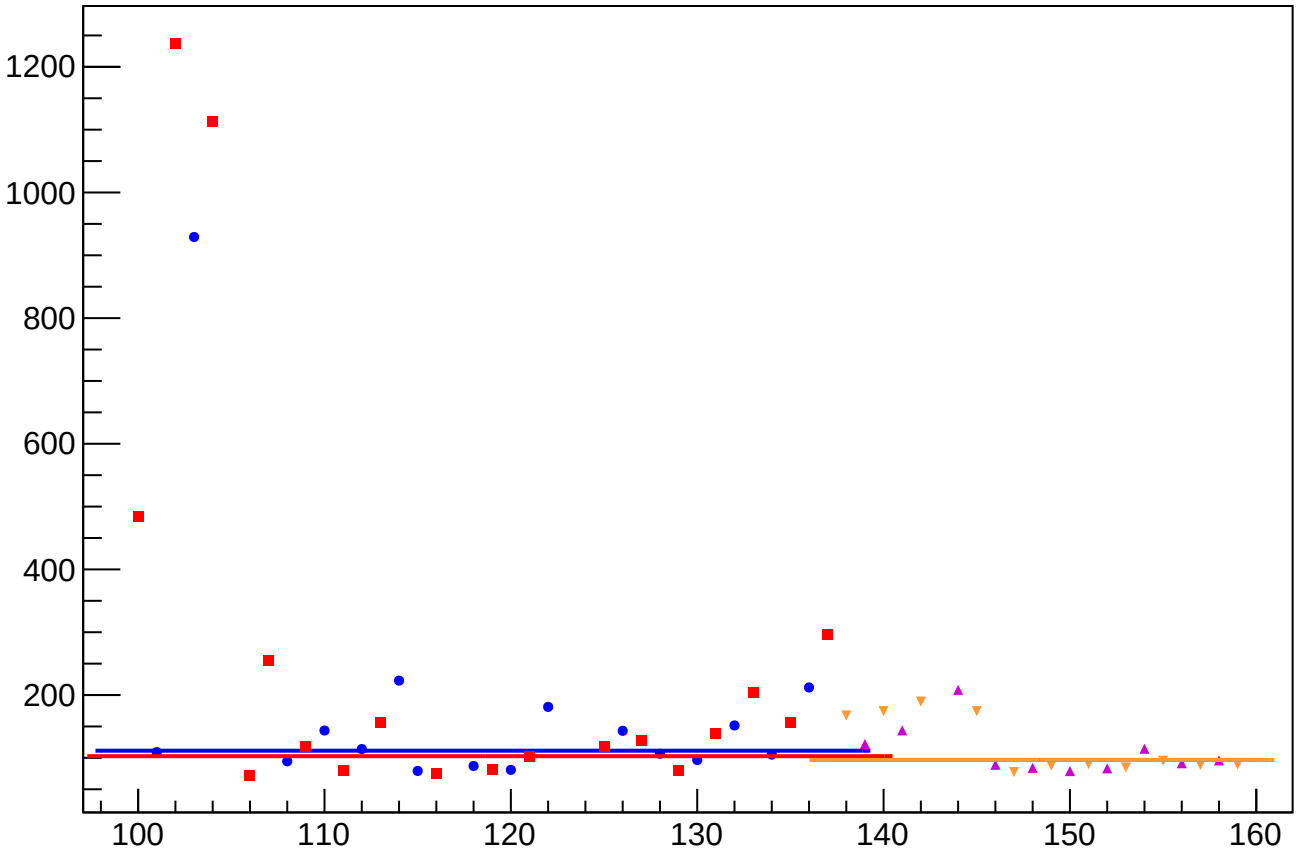
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.022+/-0.035 χ^2/NDF:18.6/9

+ sign -0.010+/-0.029 χ^2/NDF: 32.0/26

All: 0.013+/-0.020 χ^2/NDF: 69.1/54

- sign 0.035+/-0.028 χ^2/NDF: 35.9/27



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.614+/-0.025 χ^2/NDF:1208684.7/10

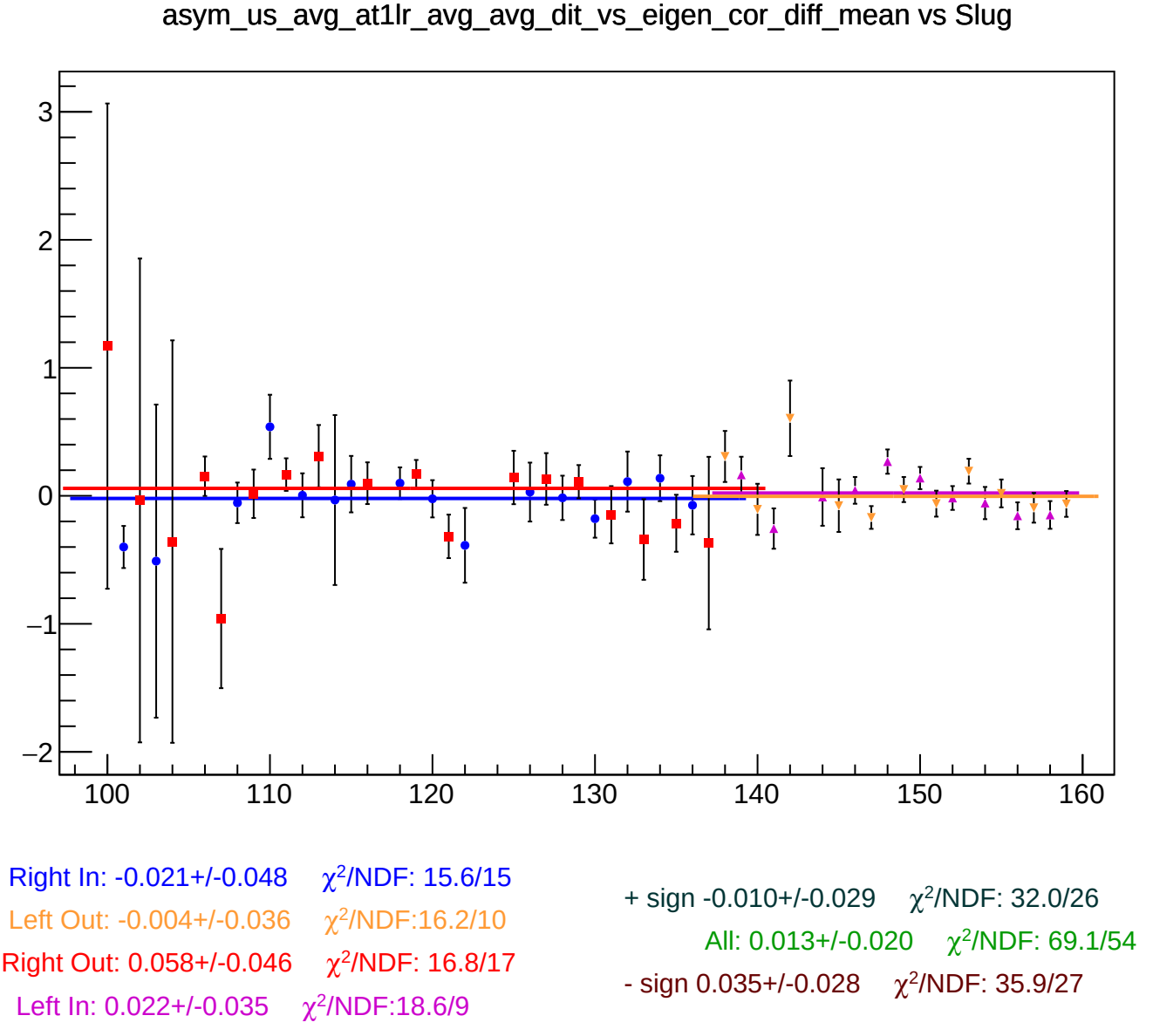
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

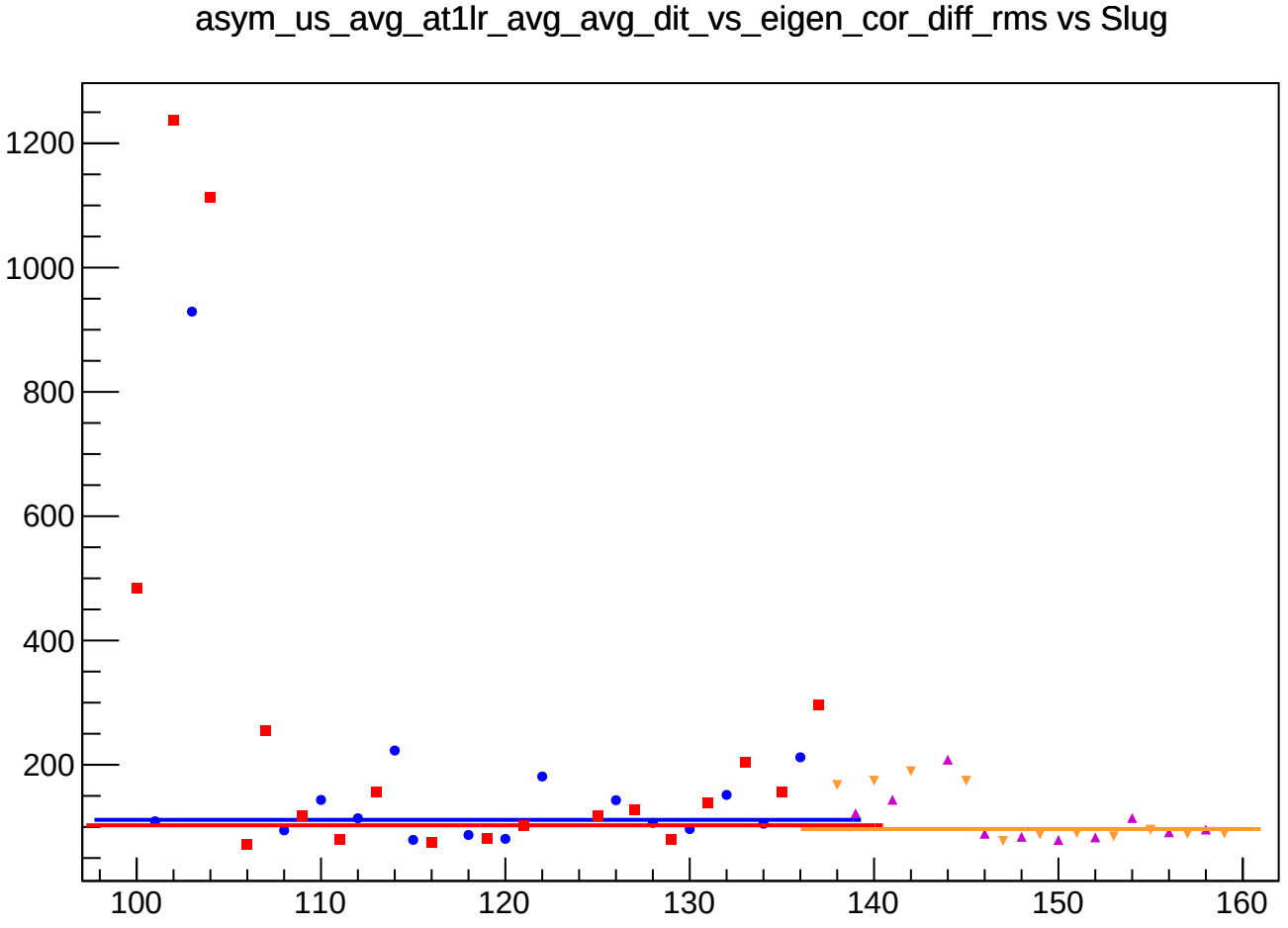
Left In: 96.654+/-0.025 χ^2/NDF:949979.9/9

+ sign 101.973+/-0.020 χ^2/NDF: 3171076.2/26

All: 100.388+/-0.014 χ^2/NDF: 6981193.2/54

- sign 98.864+/-0.020 χ^2/NDF: 3798124.6/27


asym_us_avg_at1lr_avg_avg_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+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.004+/-0.036 χ²/NDF:16.2/10
Right Out: 0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.022+/-0.035 χ²/NDF:18.6/9
+ sign -0.010+/-0.029 χ²/NDF: 32.0/26
All: 0.013+/-0.020 χ²/NDF: 69.1/54
- sign 0.035+/-0.028 χ²/NDF: 35.9/27



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.614+/-0.025 χ^2/NDF:1208684.7/10

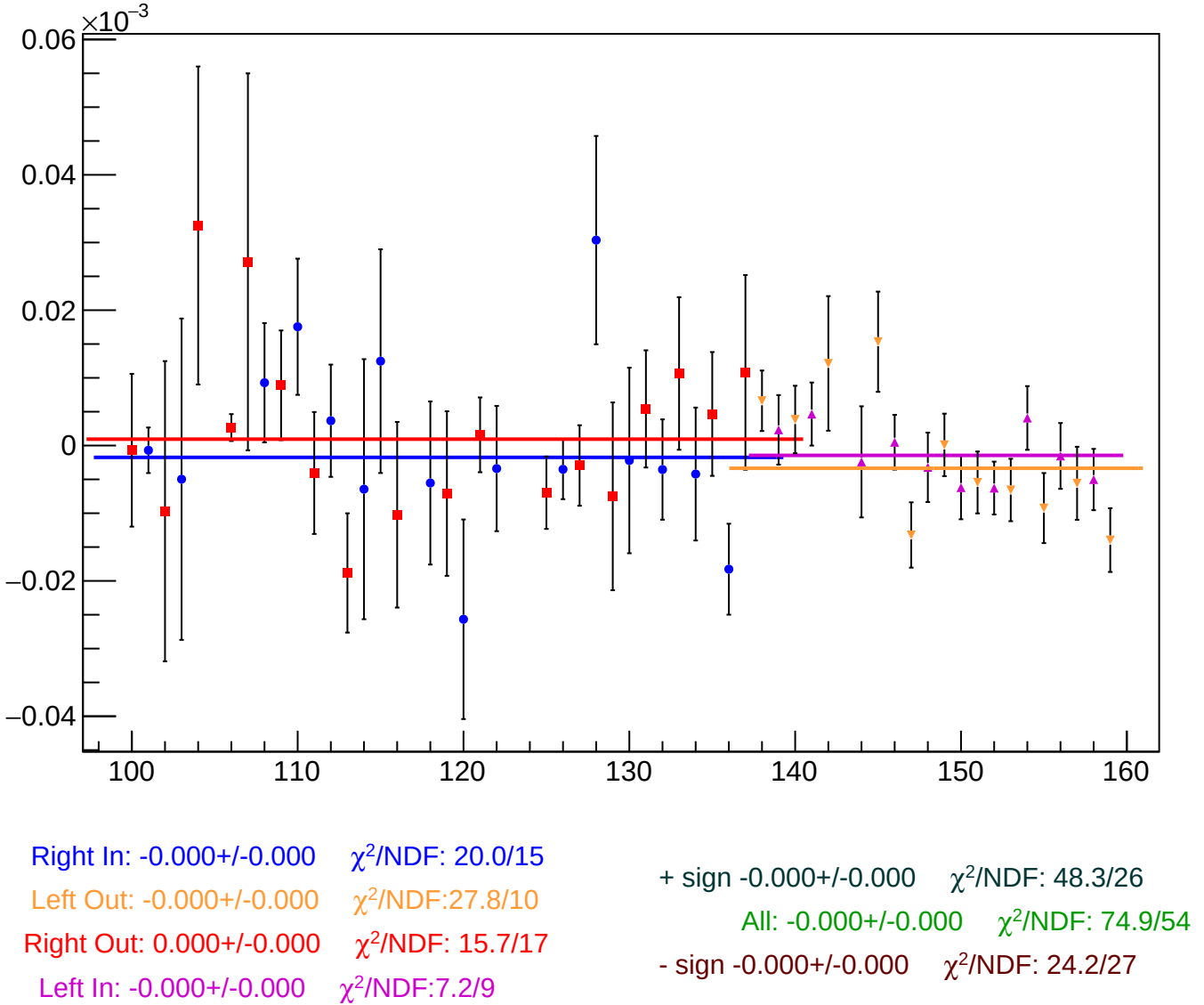
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

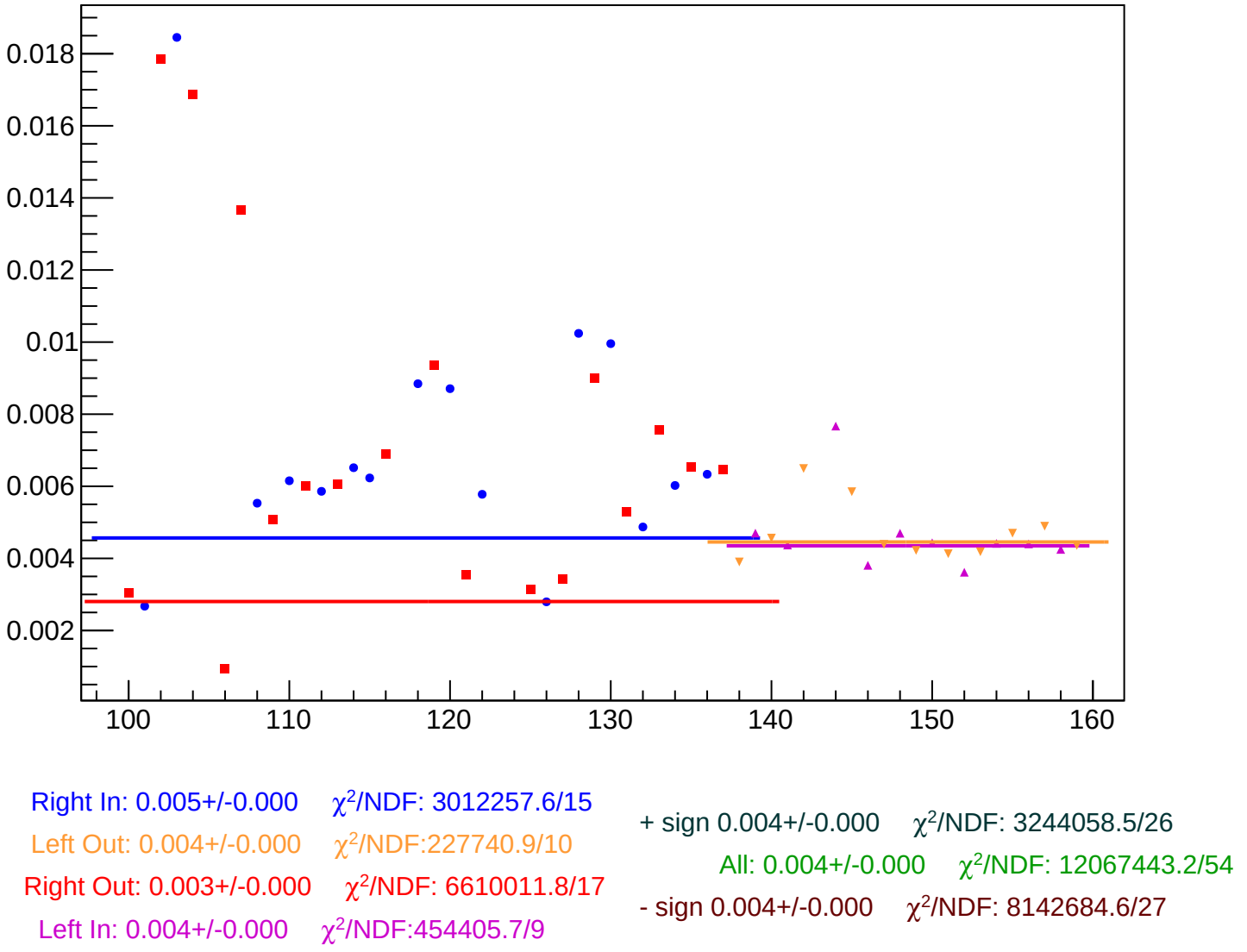
Left In: 96.654+/-0.025 χ^2/NDF:949979.9/9

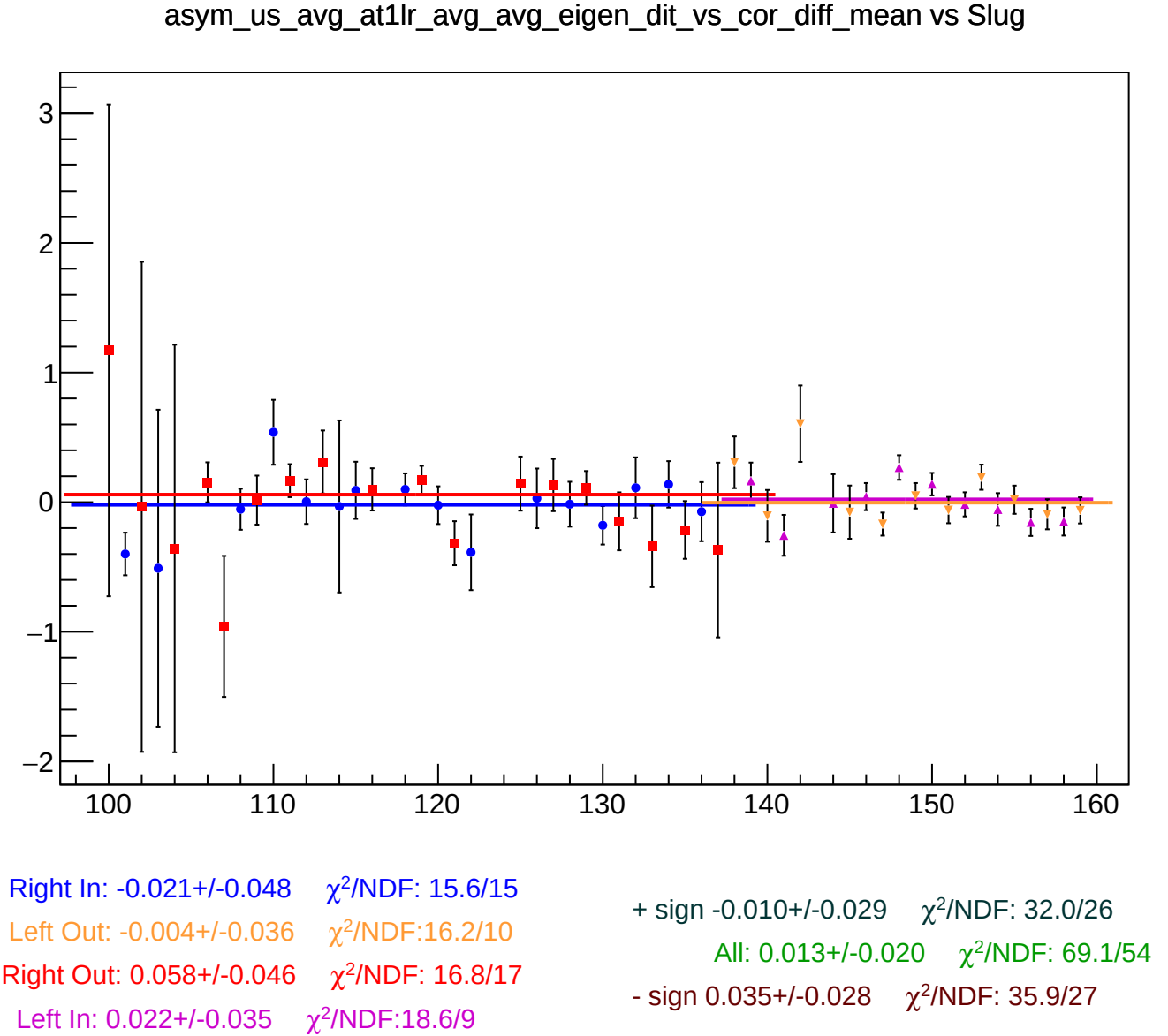
+ sign 101.973+/-0.020 χ^2/NDF: 3171076.2/26

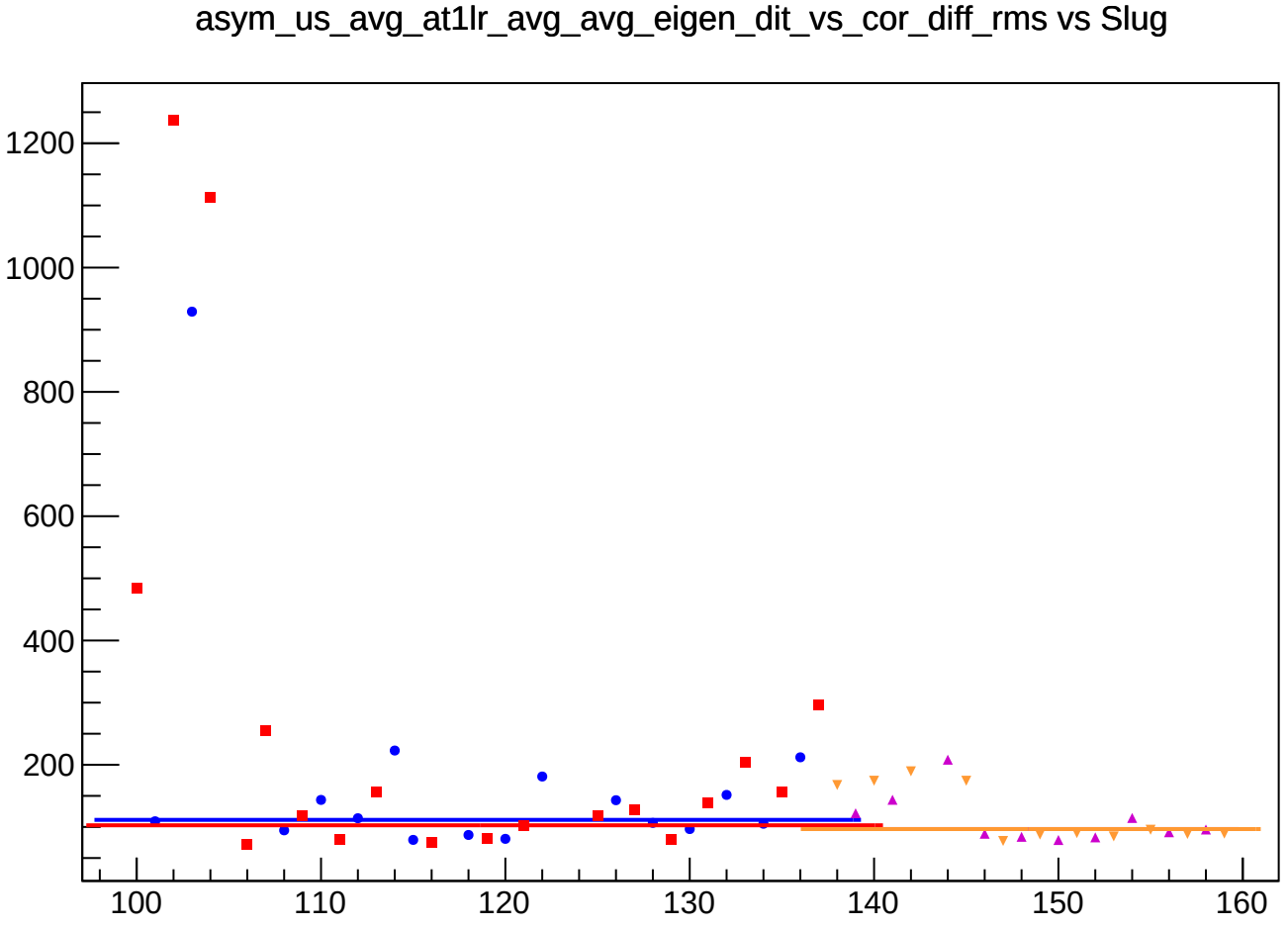
All: 100.388+/-0.014 χ^2/NDF: 6981193.2/54

- sign 98.864+/-0.020 χ^2/NDF: 3798124.6/27


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:7.2/9
+ sign -0.000+/-0.000 χ²/NDF: 48.3/26
All: -0.000+/-0.000 χ²/NDF: 74.9/54
- sign -0.000+/-0.000 χ²/NDF: 24.2/27


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:454405.7/9
+ sign 0.004+/-0.000 χ²/NDF: 3244058.5/26
All: 0.004+/-0.000 χ²/NDF: 12067443.2/54
- sign 0.004+/-0.000 χ²/NDF: 8142684.6/27


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.004+/-0.036 χ²/NDF:16.2/10
Right Out: 0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.022+/-0.035 χ²/NDF:18.6/9
+ sign -0.010+/-0.029 χ²/NDF: 32.0/26
All: 0.013+/-0.020 χ²/NDF: 69.1/54
- sign 0.035+/-0.028 χ²/NDF: 35.9/27



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.614+/-0.025 χ^2/NDF:1208666.4/10

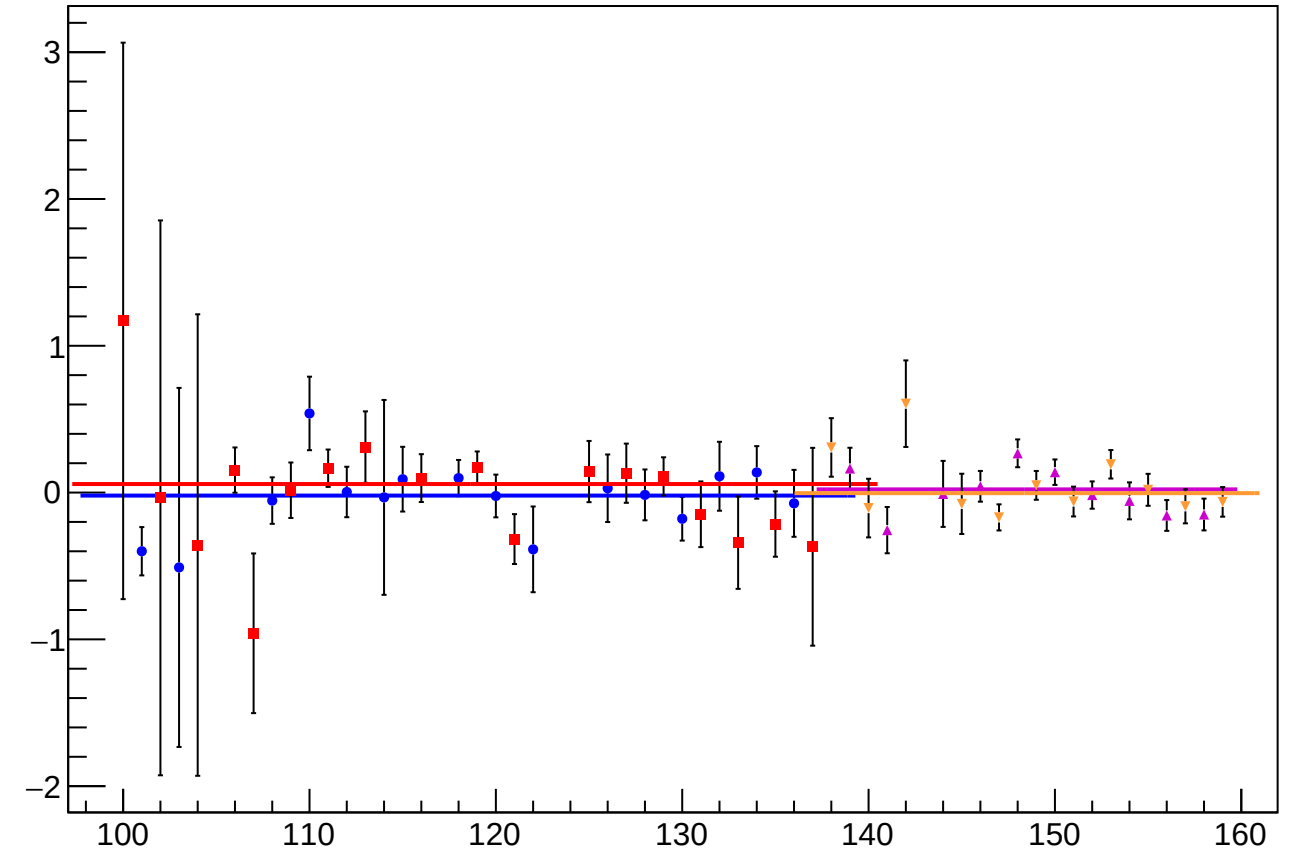
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.655+/-0.025 χ^2/NDF:949966.8/9

+ sign 101.973+/-0.020 χ^2/NDF: 3171058.4/26

All: 100.388+/-0.014 χ^2/NDF: 6981140.5/54

- sign 98.864+/-0.020 χ^2/NDF: 3798093.1/27



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.036 χ^2/NDF:16.2/10

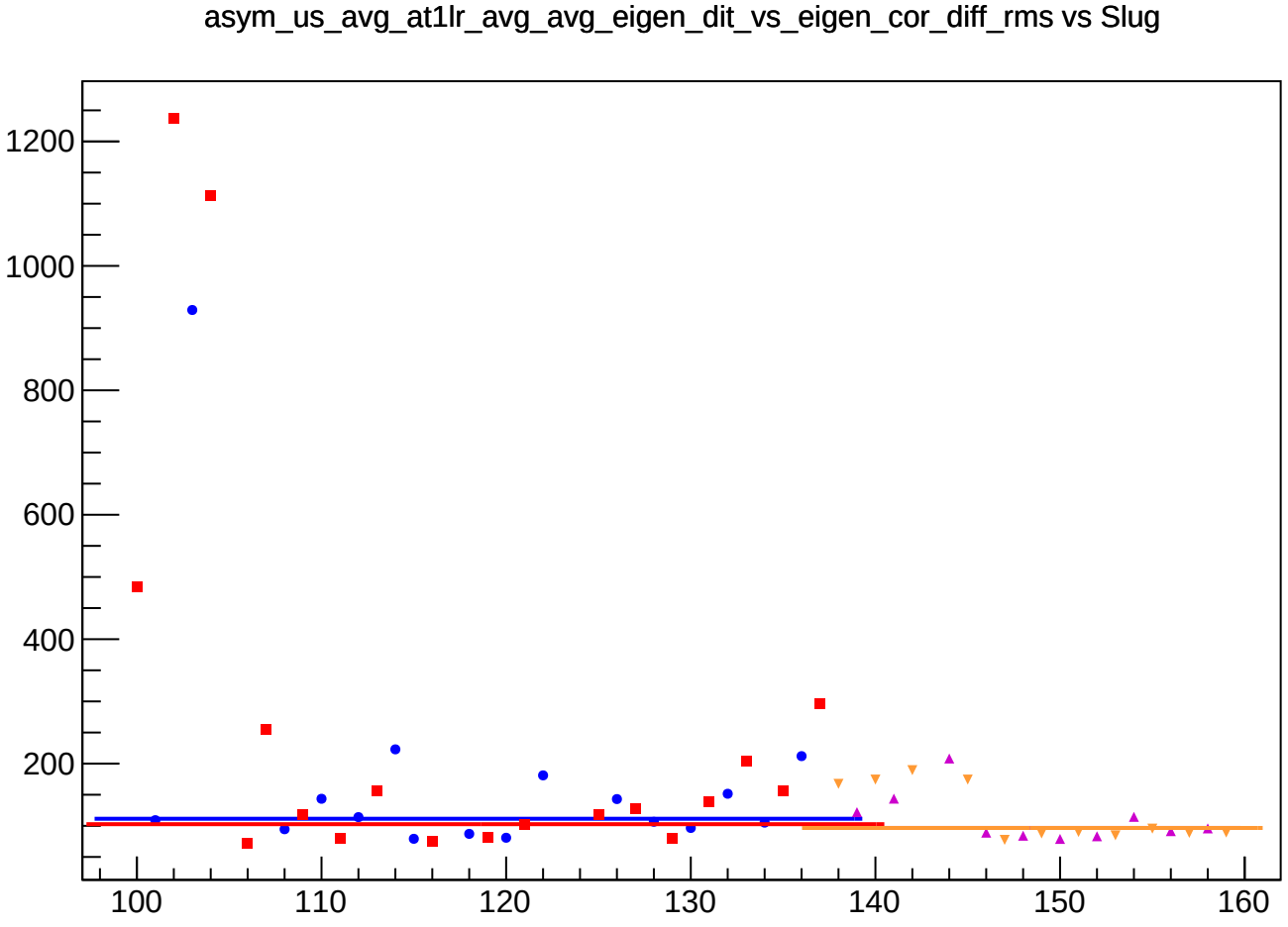
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.022+/-0.035 χ^2/NDF:18.6/9

+ sign -0.010+/-0.029 χ^2/NDF: 32.0/26

All: 0.013+/-0.020 χ^2/NDF: 69.1/54

- sign 0.035+/-0.028 χ^2/NDF: 35.9/27



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.614+/-0.025 χ^2/NDF:1208666.4/10

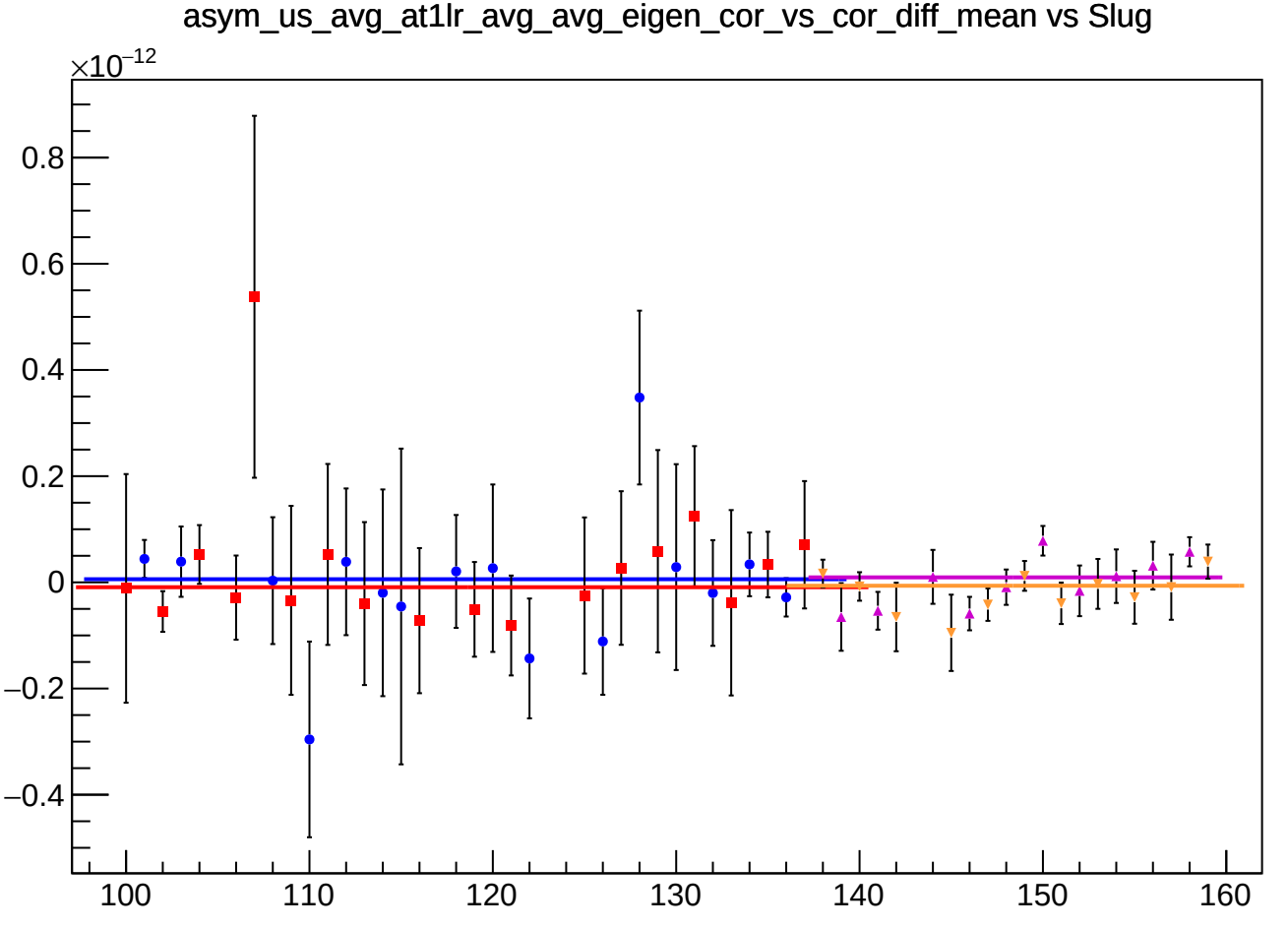
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.655+/-0.025 χ^2/NDF:949966.8/9

+ sign 101.973+/-0.020 χ^2/NDF: 3171058.4/26

All: 100.388+/-0.014 χ^2/NDF: 6981140.5/54

- sign 98.864+/-0.020 χ^2/NDF: 3798093.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/10

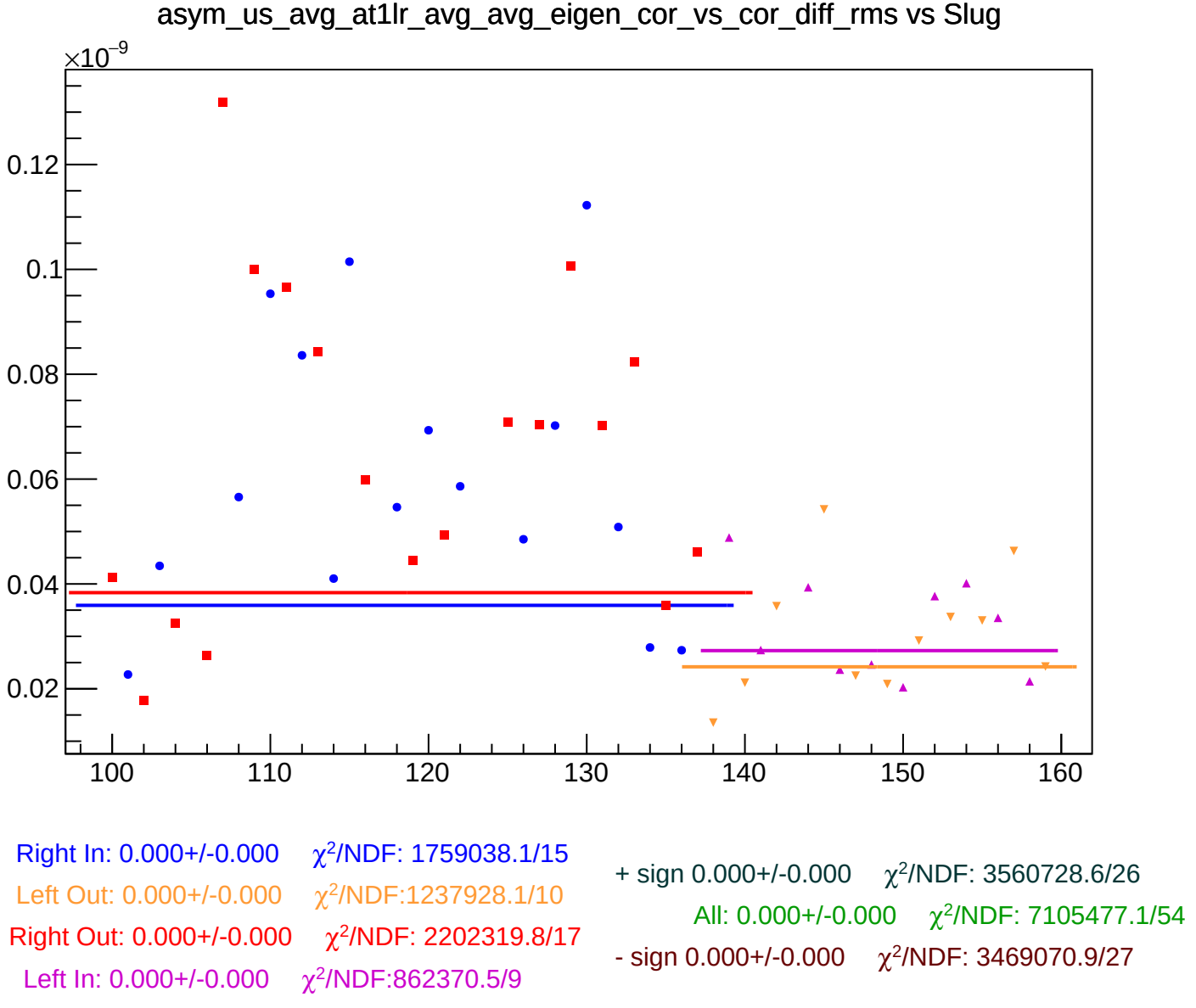
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:19.2/9

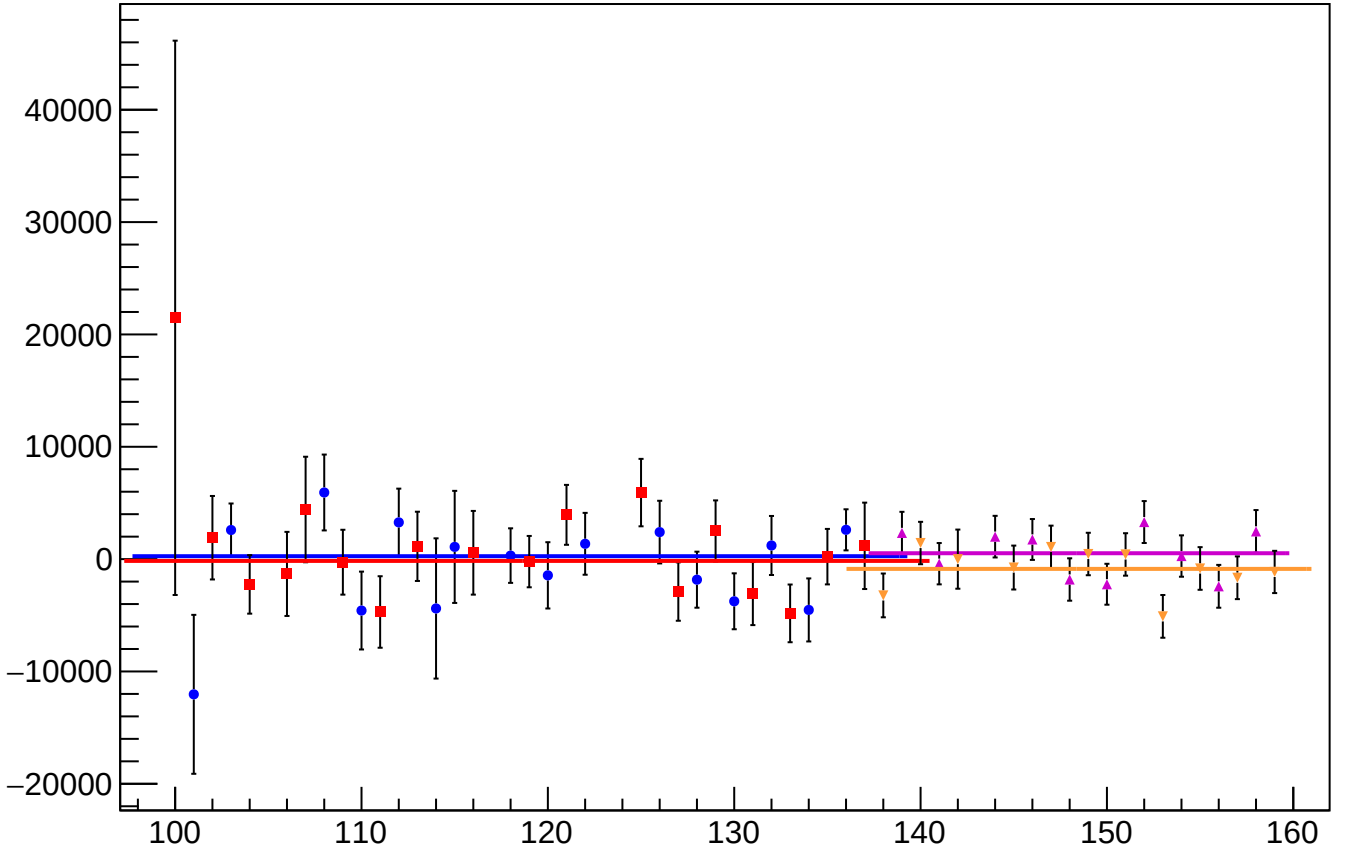
+ sign -0.000+/-0.000 χ^2/NDF: 21.0/26

All: 0.000+/-0.000 χ^2/NDF: 49.8/54

- sign 0.000+/-0.000 χ^2/NDF: 28.5/27


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:862370.5/9
+ sign 0.000+/-0.000 χ²/NDF: 3560728.6/26
All: 0.000+/-0.000 χ²/NDF: 7105477.1/54
- sign 0.000+/-0.000 χ²/NDF: 3469070.9/27

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

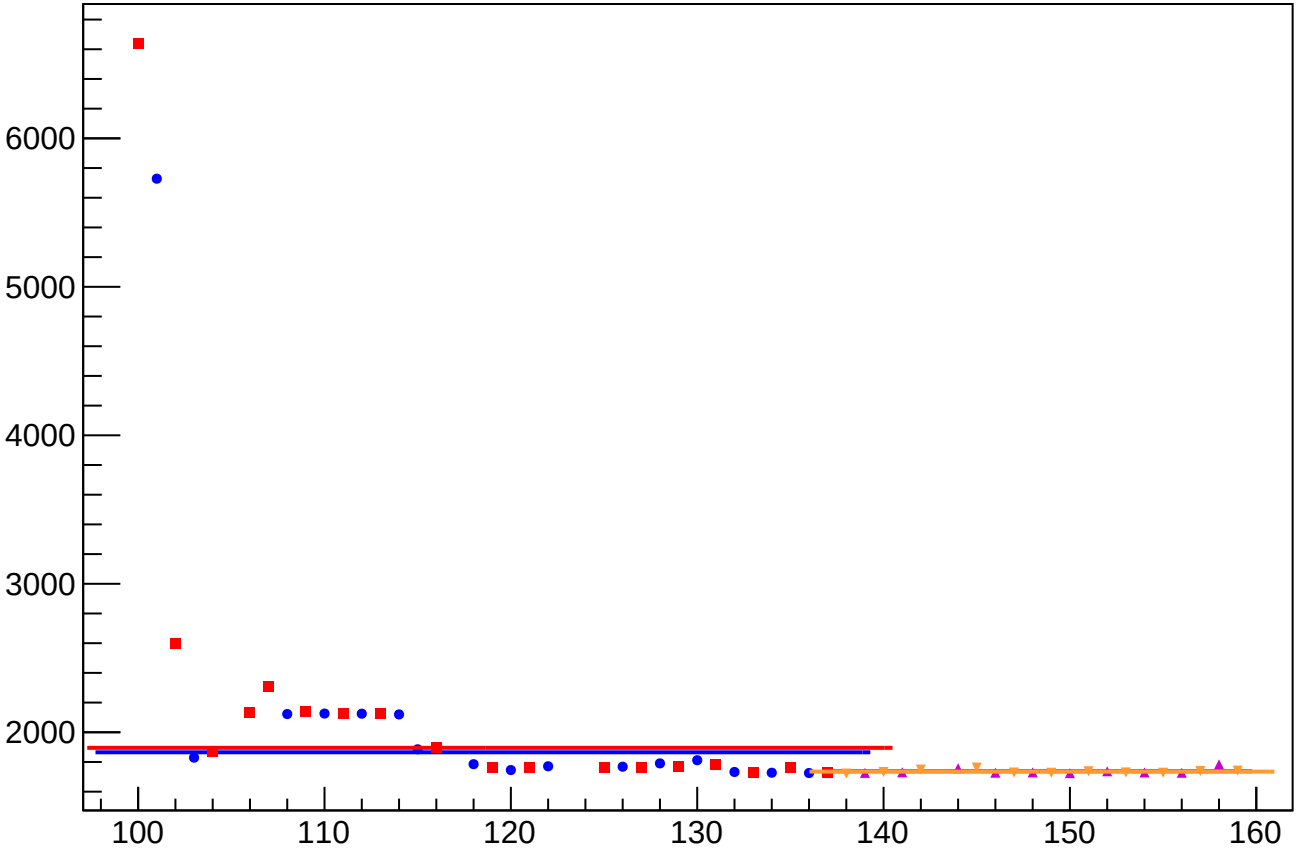
Left In: 524.082+/-588.253 χ^2/NDF:11.8/9

\+ sign -410.758+/-452.403 χ^2/NDF: 31.1/26

All: -82.742+/-320.312 χ^2/NDF: 62.6/54

\- sign 246.979+/-453.577 χ^2/NDF: 30.4/27

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

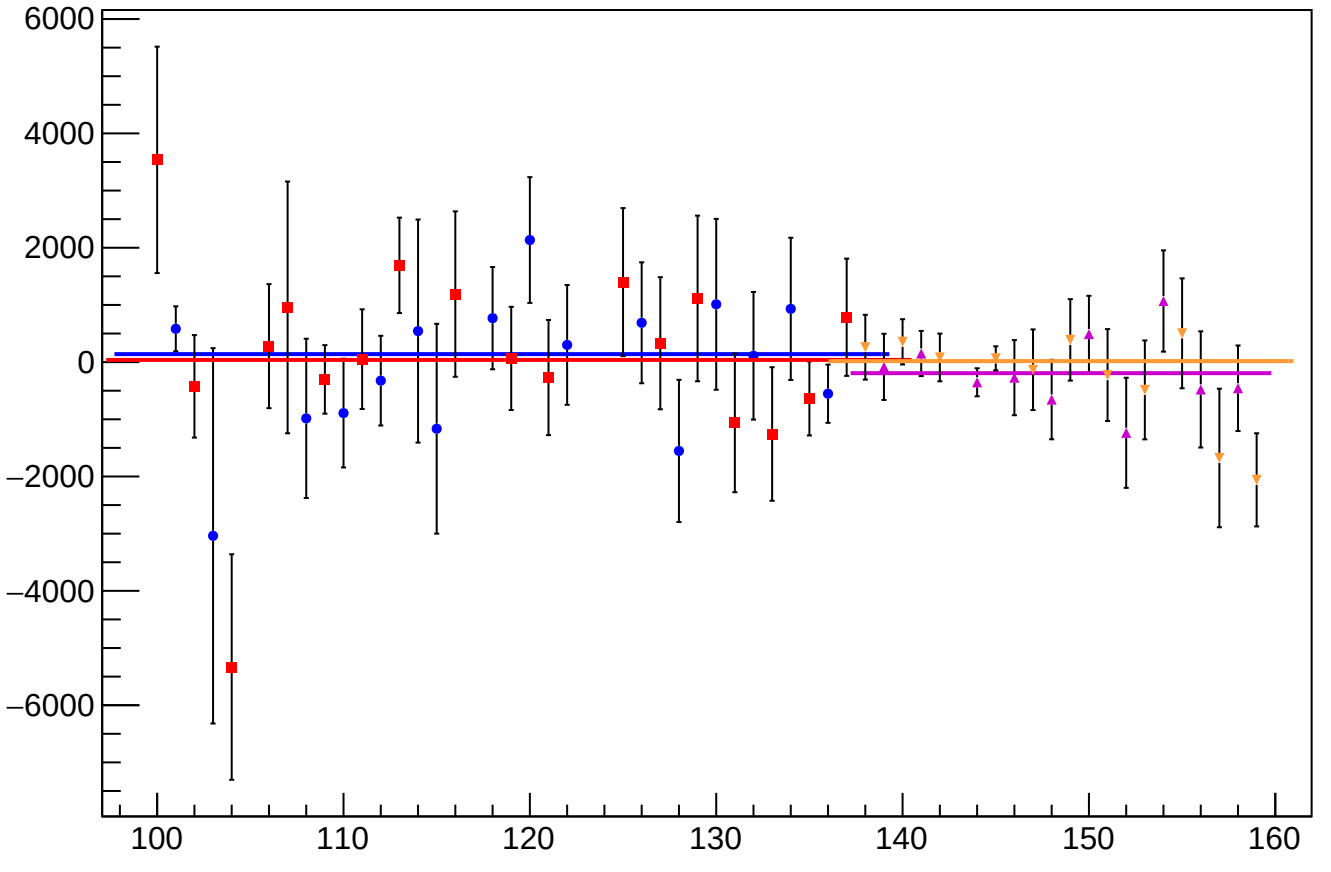
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

+ sign 1788.013+/-0.320 χ^2/NDF: 713211.5/26

All: 1794.725+/-0.226 χ^2/NDF: 1025022.6/54

- sign 1801.472+/-0.321 χ^2/NDF: 310928.3/27



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 17.807+/-144.216 χ^2/NDF:10.4/10

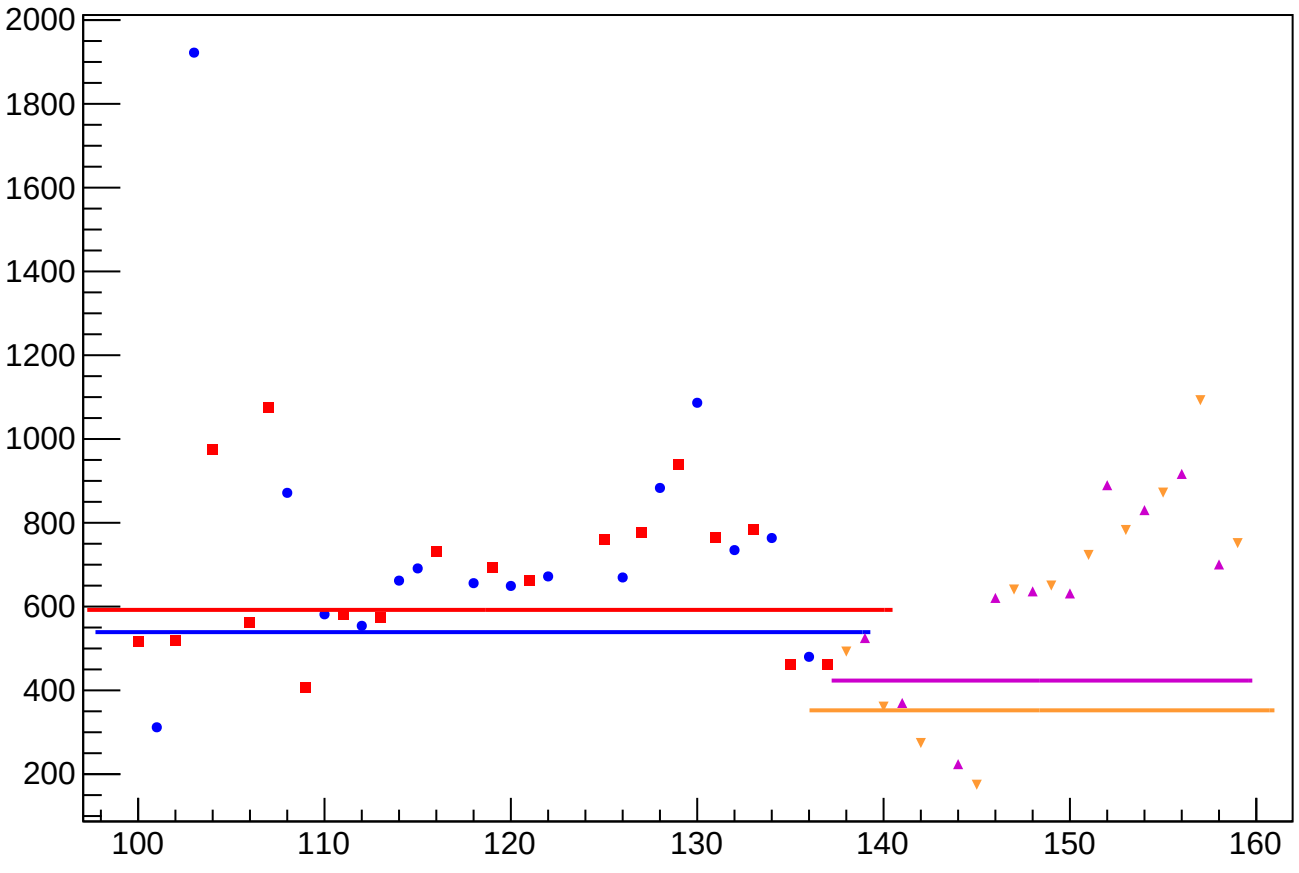
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -192.989+/-162.687 χ^2/NDF:6.1/9

+ sign 54.450+/-120.628 χ^2/NDF: 24.1/26

All: -23.116+/-89.758 χ^2/NDF: 53.2/54

- sign -119.336+/-134.353 χ^2/NDF: 28.2/27



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 352.336+/-0.102 χ^2/NDF:5042253.9/10

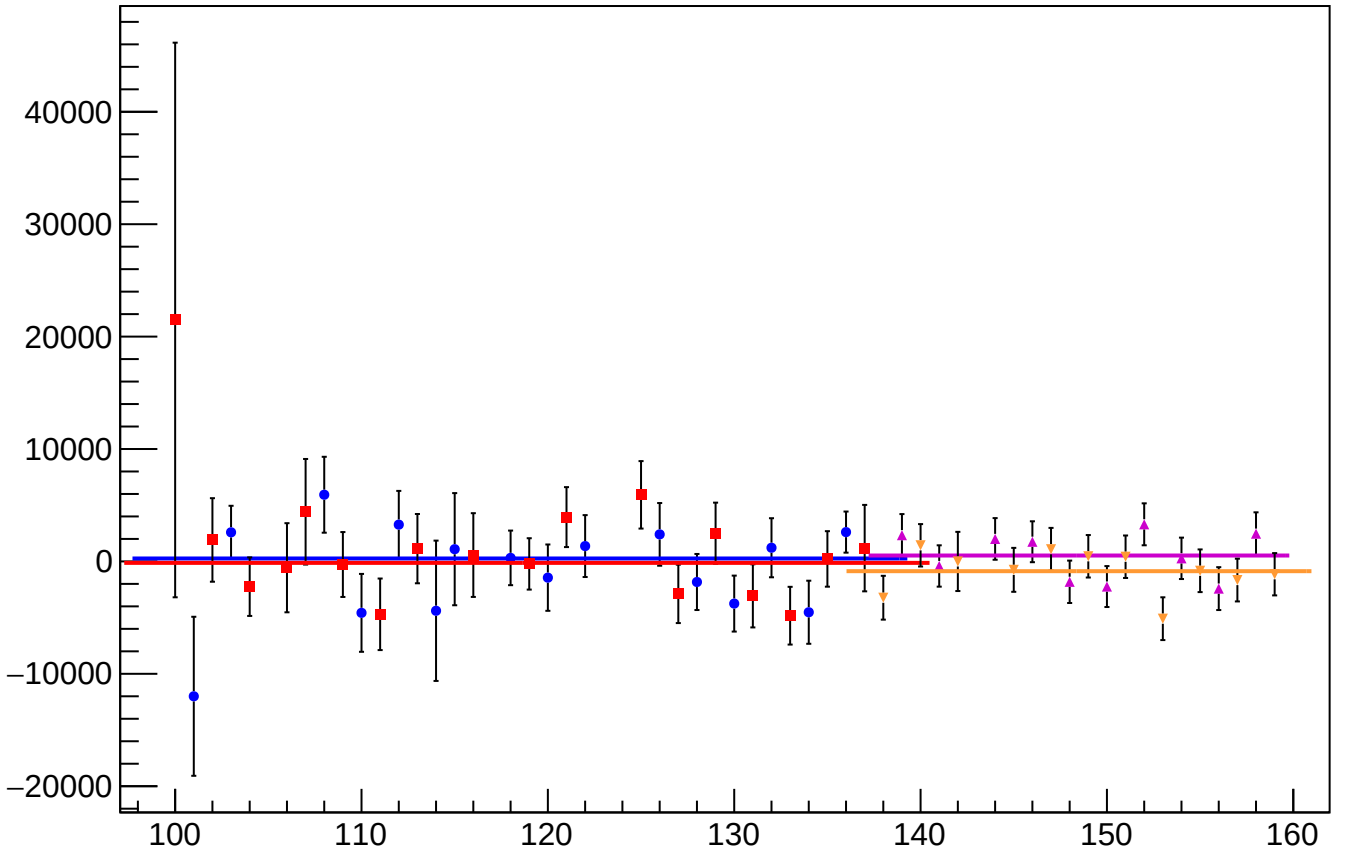
Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 423.383+/-0.115 χ^2/NDF:3623674.4/9

+ sign 408.409+/-0.085 χ^2/NDF: 7903417.4/26

All: 439.039+/-0.063 χ^2/NDF: 13343070.6/54

- sign 477.034+/-0.095 χ^2/NDF: 5150752.4/27



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

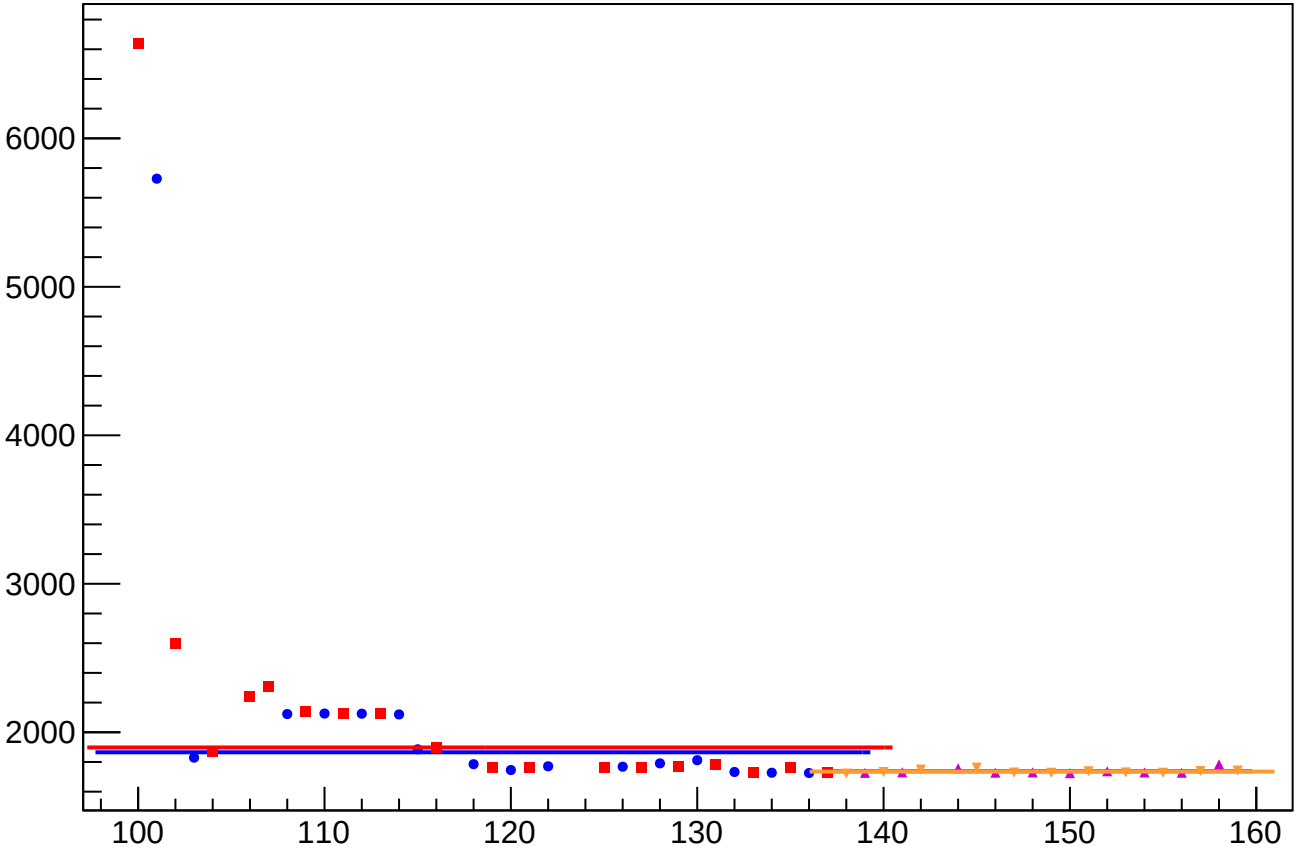
Left In: 524.153+/-588.253 χ^2/NDF:11.8/9

\+ sign -410.674+/-452.403 χ^2/NDF: 31.1/26

All: -76.715+/-320.440 χ^2/NDF: 62.5/54

\- sign 259.517+/-453.940 χ^2/NDF: 30.3/27

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

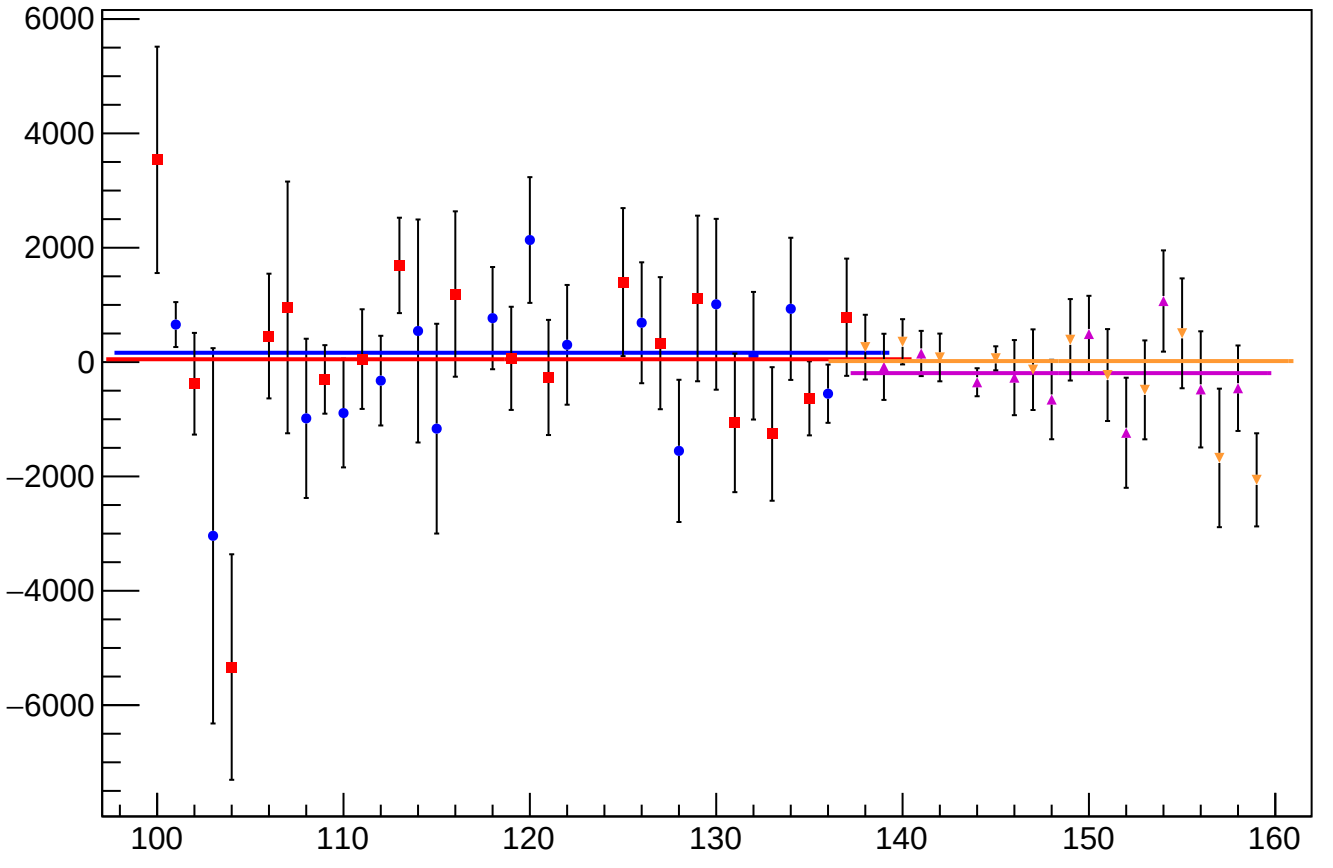
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

+ sign 1788.013+/-0.320 χ^2/NDF: 713211.4/26

All: 1795.139+/-0.227 χ^2/NDF: 1033748.4/54

- sign 1802.313+/-0.321 χ^2/NDF: 319541.2/27



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

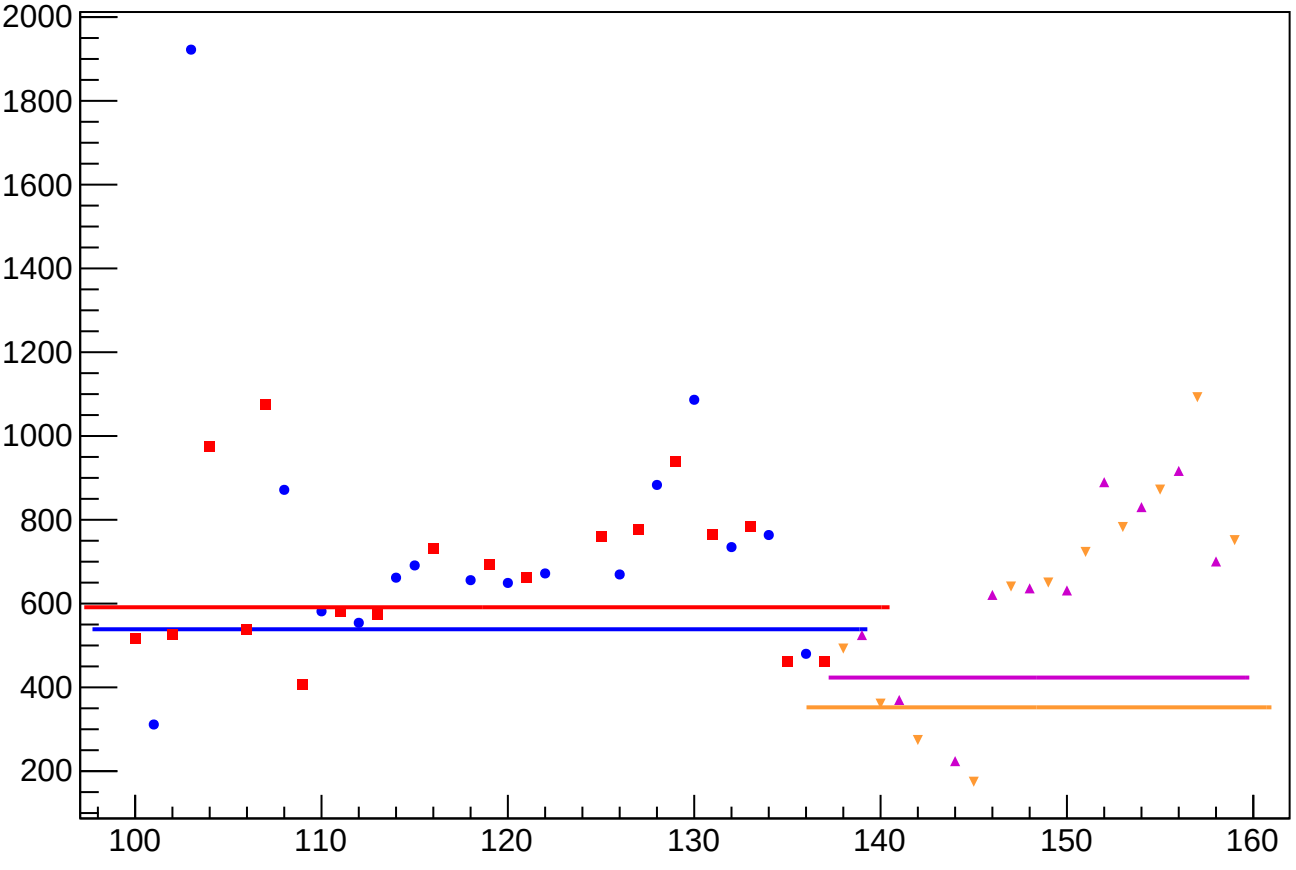
Left In: -192.997+/-162.688 χ^2/NDF:6.1/9

+ sign 61.381+/-120.617 χ^2/NDF: 24.7/26

All: -17.708+/-89.751 χ^2/NDF: 53.9/54

- sign -115.822+/-134.344 χ^2/NDF: 28.3/27

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 352.345+/-0.102 χ^2/NDF:5042108.6/10

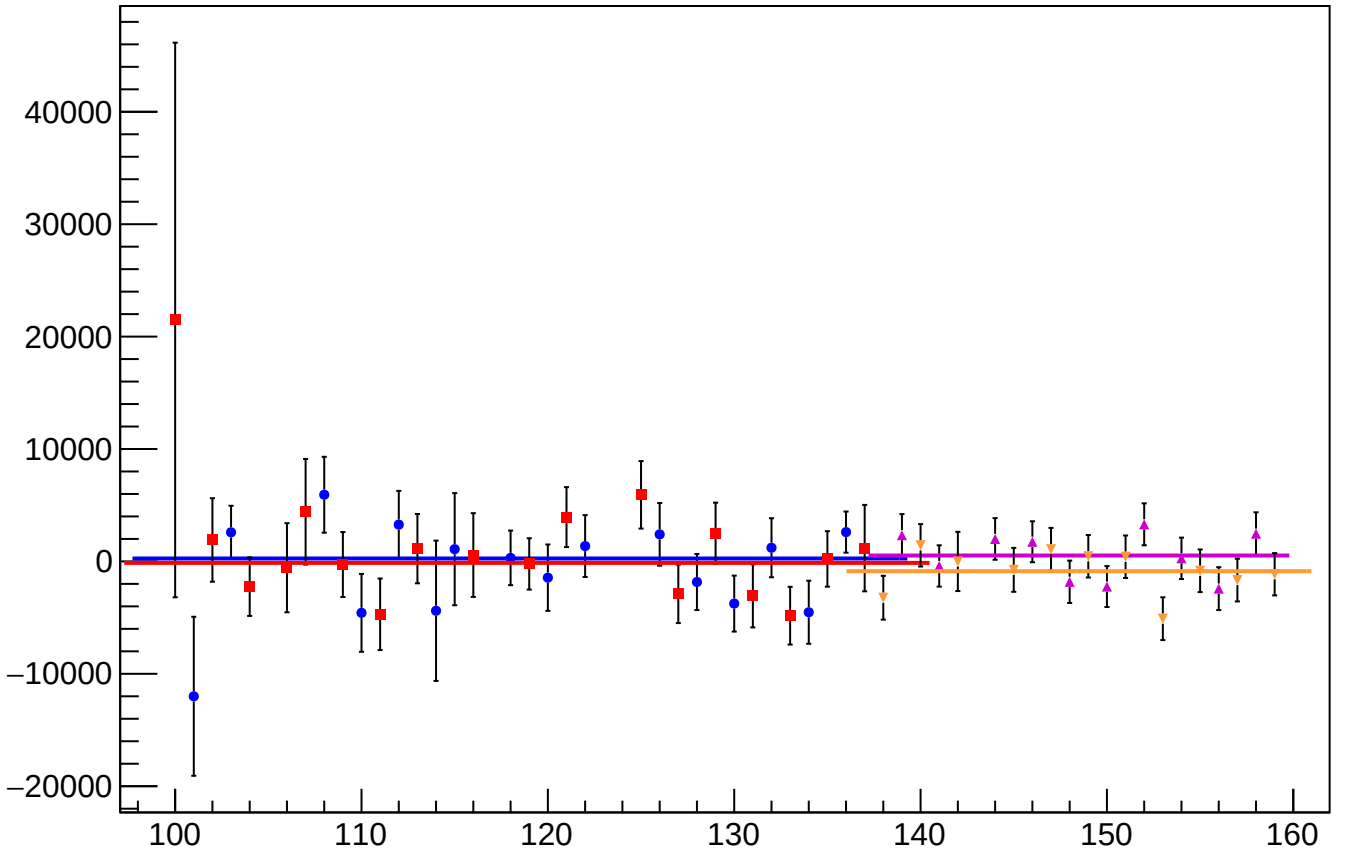
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 423.392+/-0.115 χ^2/NDF:3623381.4/9

+ sign 408.350+/-0.085 χ^2/NDF: 7904600.0/26

All: 438.893+/-0.063 χ^2/NDF: 13337064.7/54

- sign 476.784+/-0.095 χ^2/NDF: 5145120.9/27



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

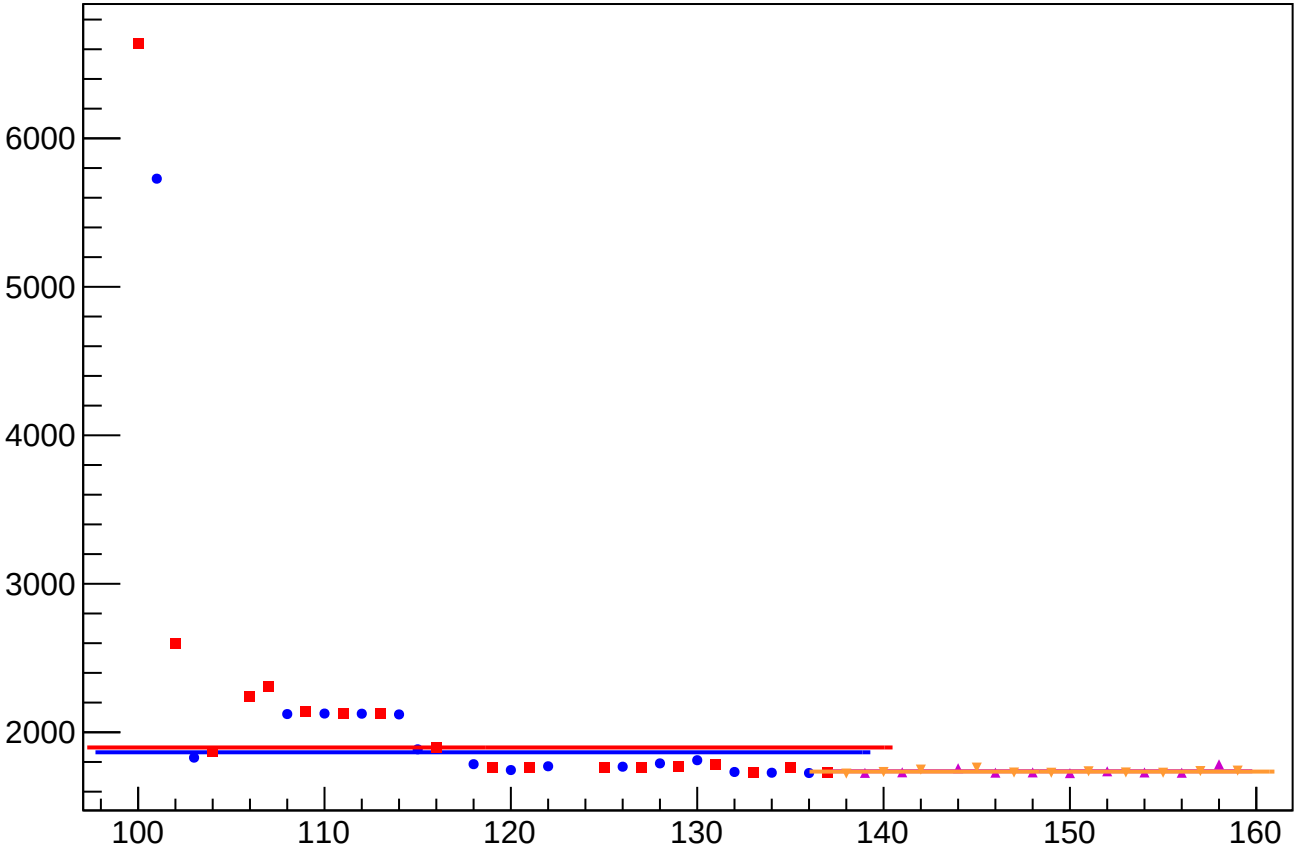
Left In: 524.153+/-588.253 χ^2/NDF:11.8/9

\+ sign -410.674+/-452.403 χ^2/NDF: 31.1/26

All: -76.715+/-320.440 χ^2/NDF: 62.5/54

\- sign 259.517+/-453.940 χ^2/NDF: 30.3/27

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

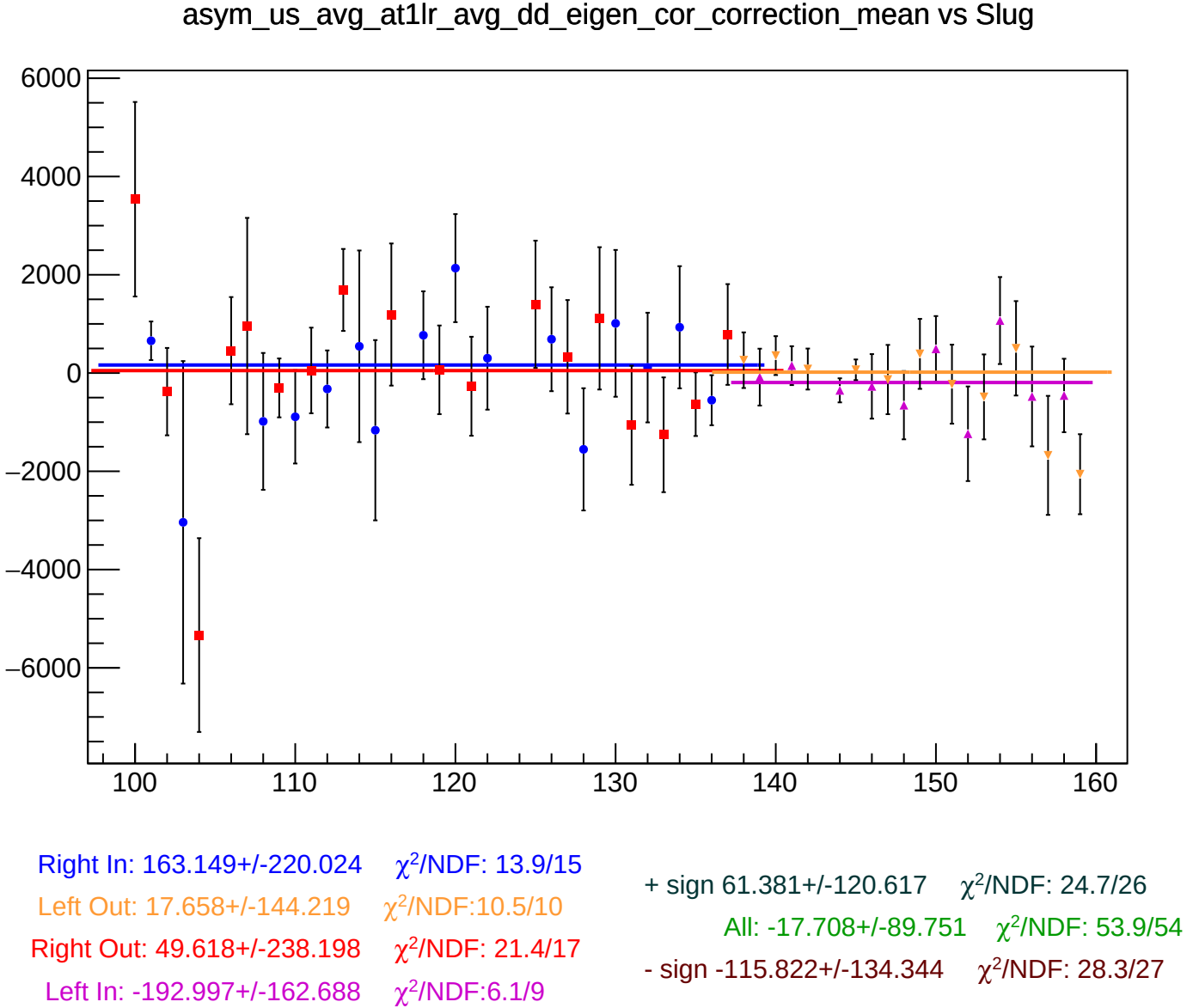
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

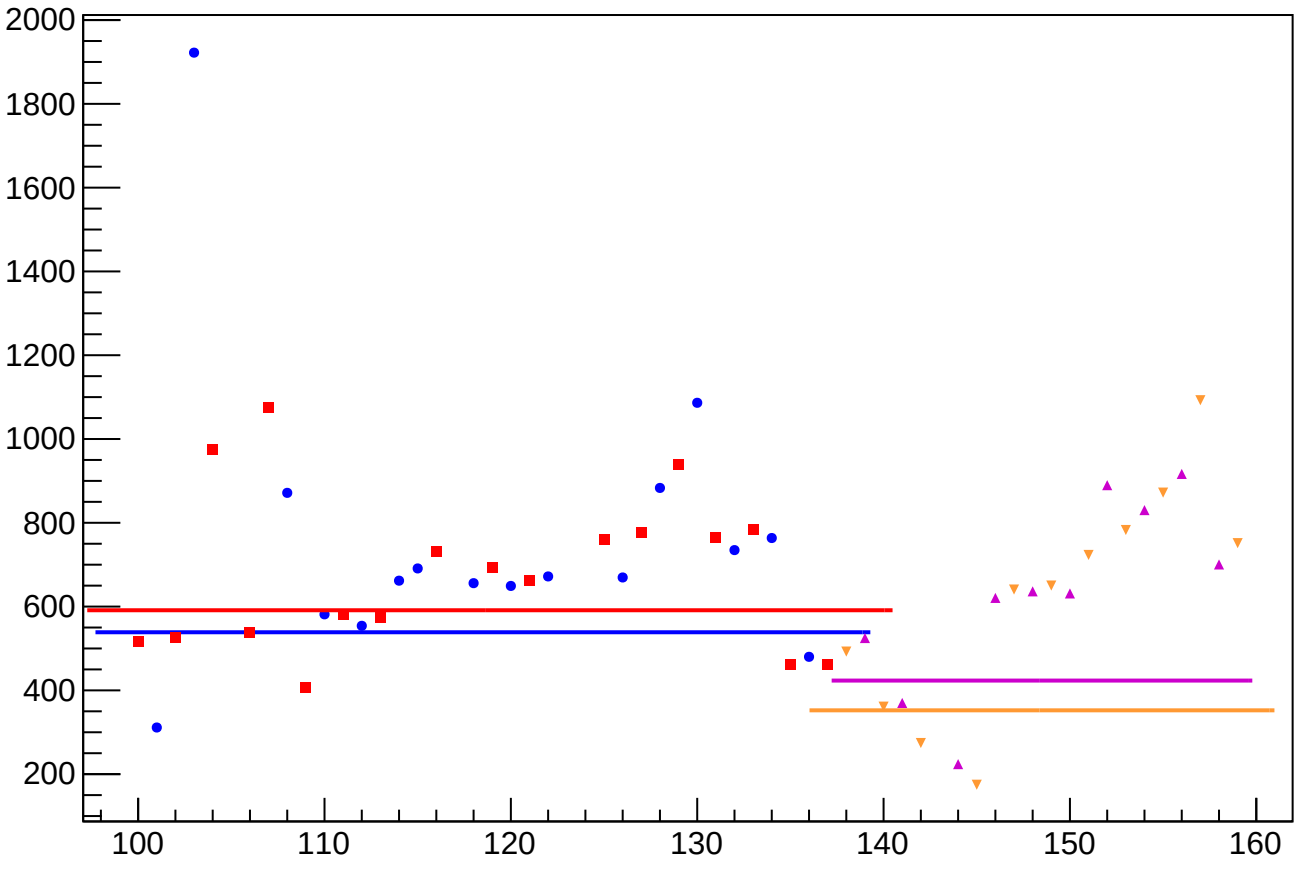
Left In: 1737.516+/-0.416 χ^2/NDF:1816.1/9

+ sign 1788.013+/-0.320 χ^2/NDF: 713211.4/26

All: 1795.139+/-0.227 χ^2/NDF: 1033748.4/54

- sign 1802.313+/-0.321 χ^2/NDF: 319541.2/27


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 17.658+/-144.219 χ²/NDF:10.5/10
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -192.997+/-162.688 χ²/NDF:6.1/9
+ sign 61.381+/-120.617 χ²/NDF: 24.7/26
All: -17.708+/-89.751 χ²/NDF: 53.9/54
- sign -115.822+/-134.344 χ²/NDF: 28.3/27



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

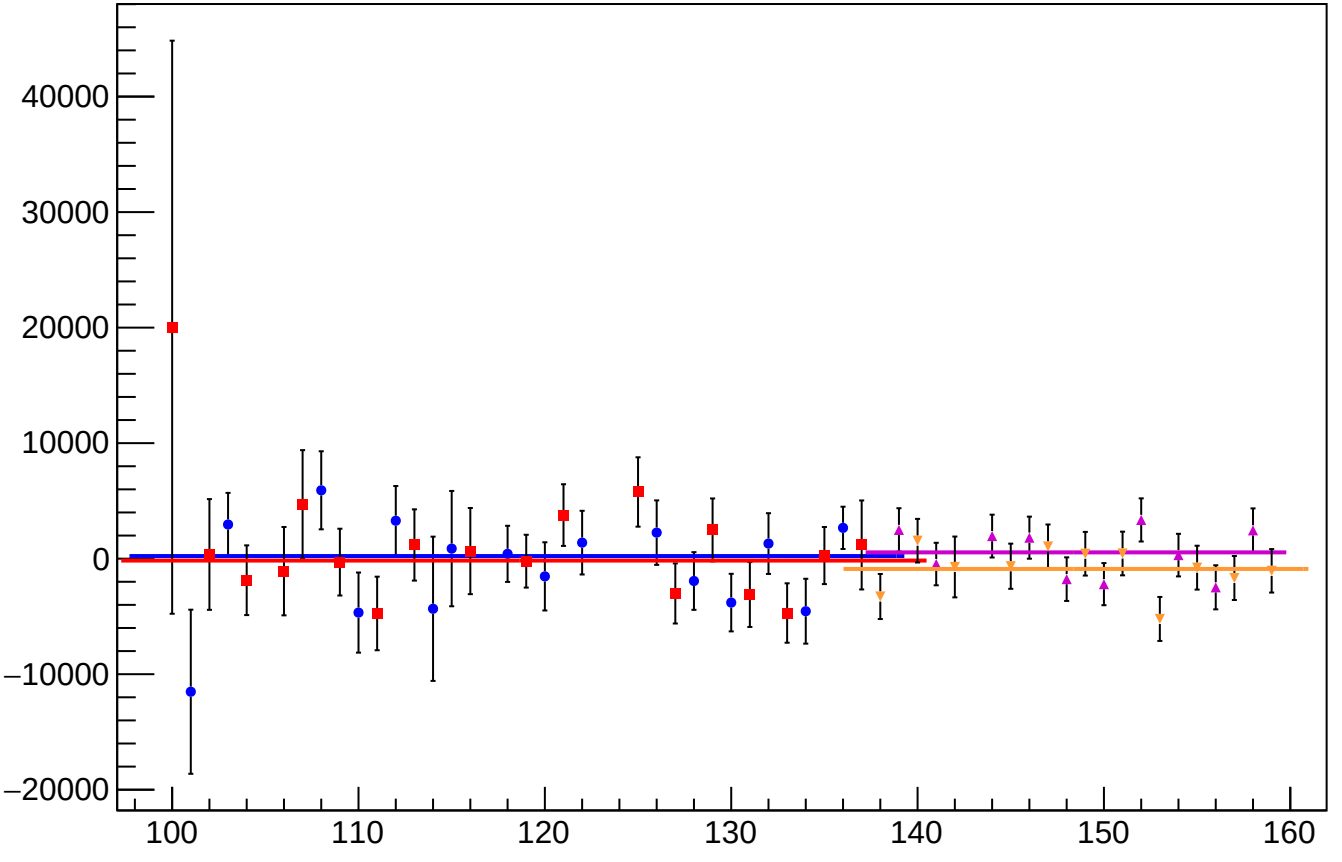
Left In: 423.392+/-0.115 χ^2/NDF:3623381.4/9

+ sign 408.350+/-0.085 χ^2/NDF: 7904600.0/26

All: 438.893+/-0.063 χ^2/NDF: 13337064.7/54

- sign 476.784+/-0.095 χ^2/NDF: 5145120.9/27

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

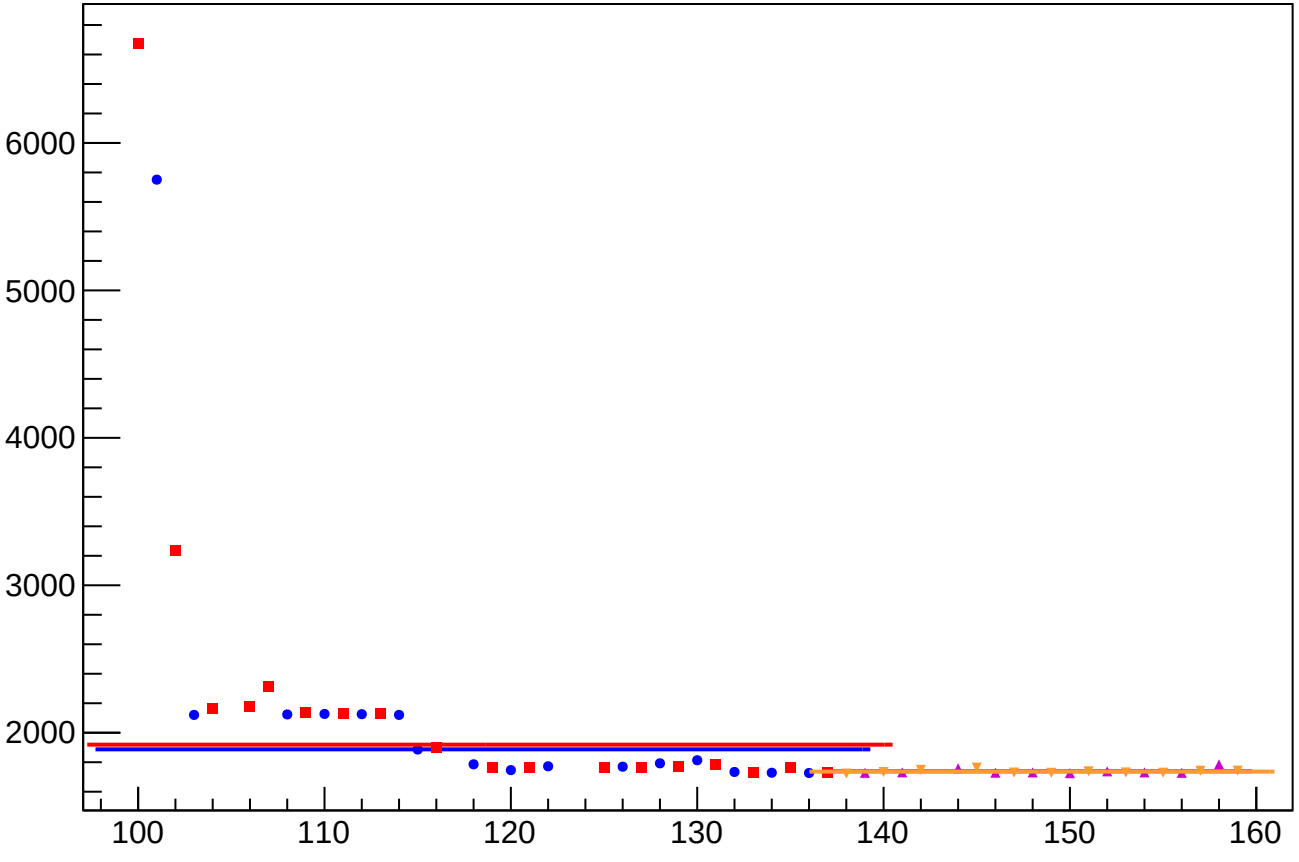
Left In: 544.945+/-588.622 χ^2/NDF:12.0/9

\+ sign -442.064+/-454.856 χ^2/NDF: 31.4/26

All: -90.936+/-322.448 χ^2/NDF: 62.3/54

\- sign 263.777+/-457.173 χ^2/NDF: 29.6/27

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

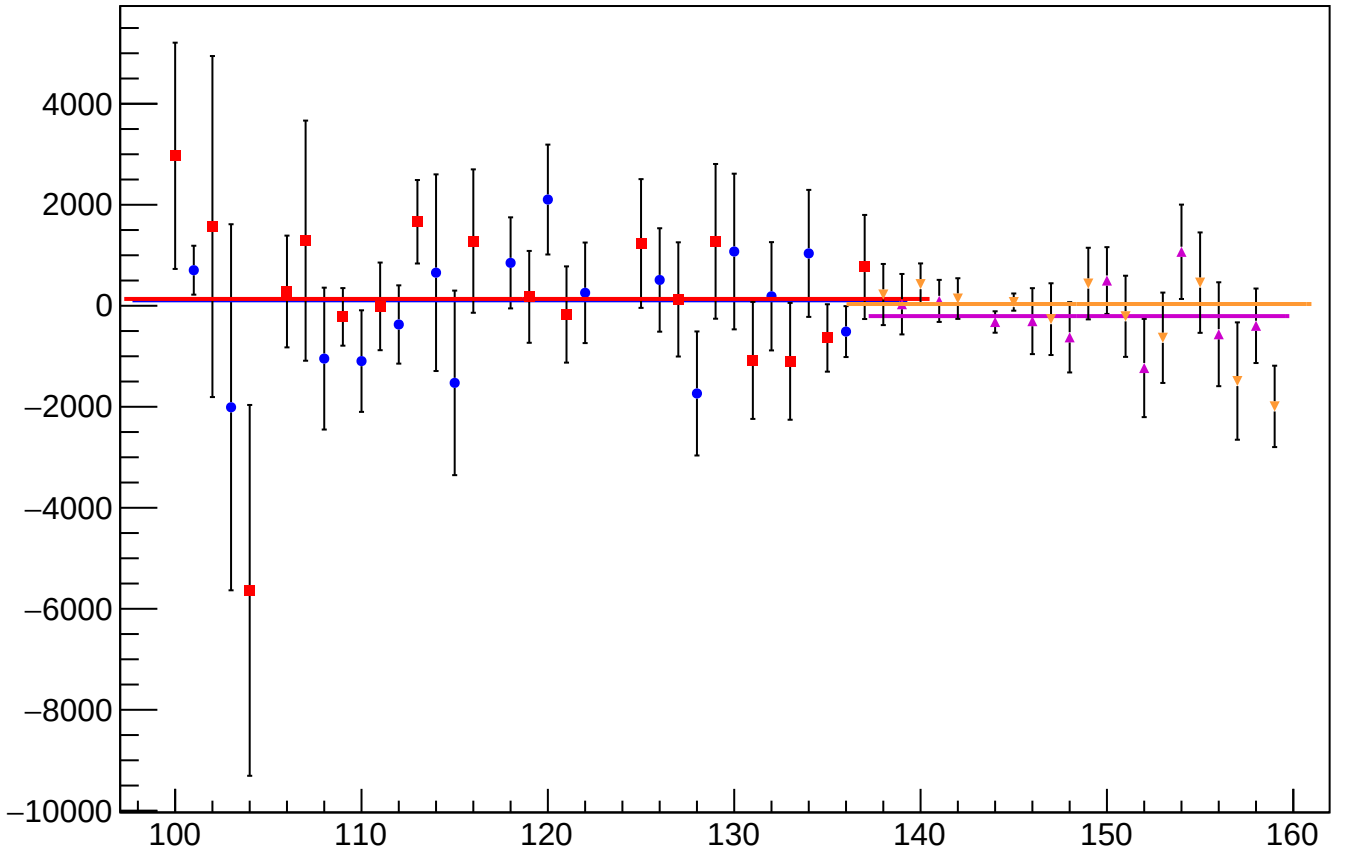
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1738.601+/-0.416 χ^2/NDF:1814.9/9

+ sign 1796.851+/-0.322 χ^2/NDF: 743004.5/26

All: 1803.512+/-0.228 χ^2/NDF: 1172918.7/54

- sign 1810.242+/-0.323 χ^2/NDF: 429051.9/27



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 35.107+/-129.780 χ^2/NDF:10.5/10

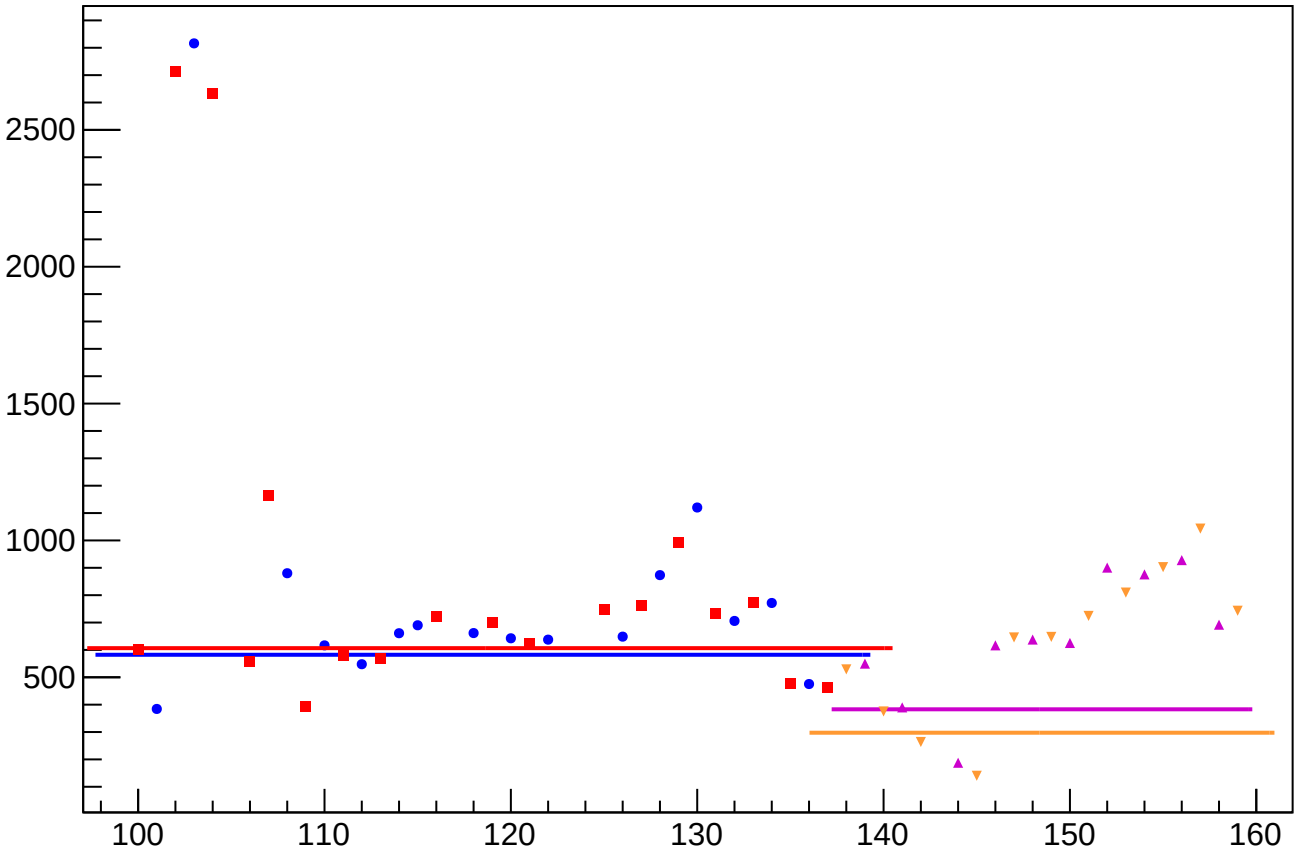
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -204.449+/-153.511 χ^2/NDF:5.7/9

+ sign 52.545+/-113.229 χ^2/NDF: 24.8/26

All: -17.080+/-85.446 χ^2/NDF: 47.0/54

- sign -109.174+/-130.224 χ^2/NDF: 21.4/27



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 297.486+/-0.092 χ^2/NDF:6446891.5/10

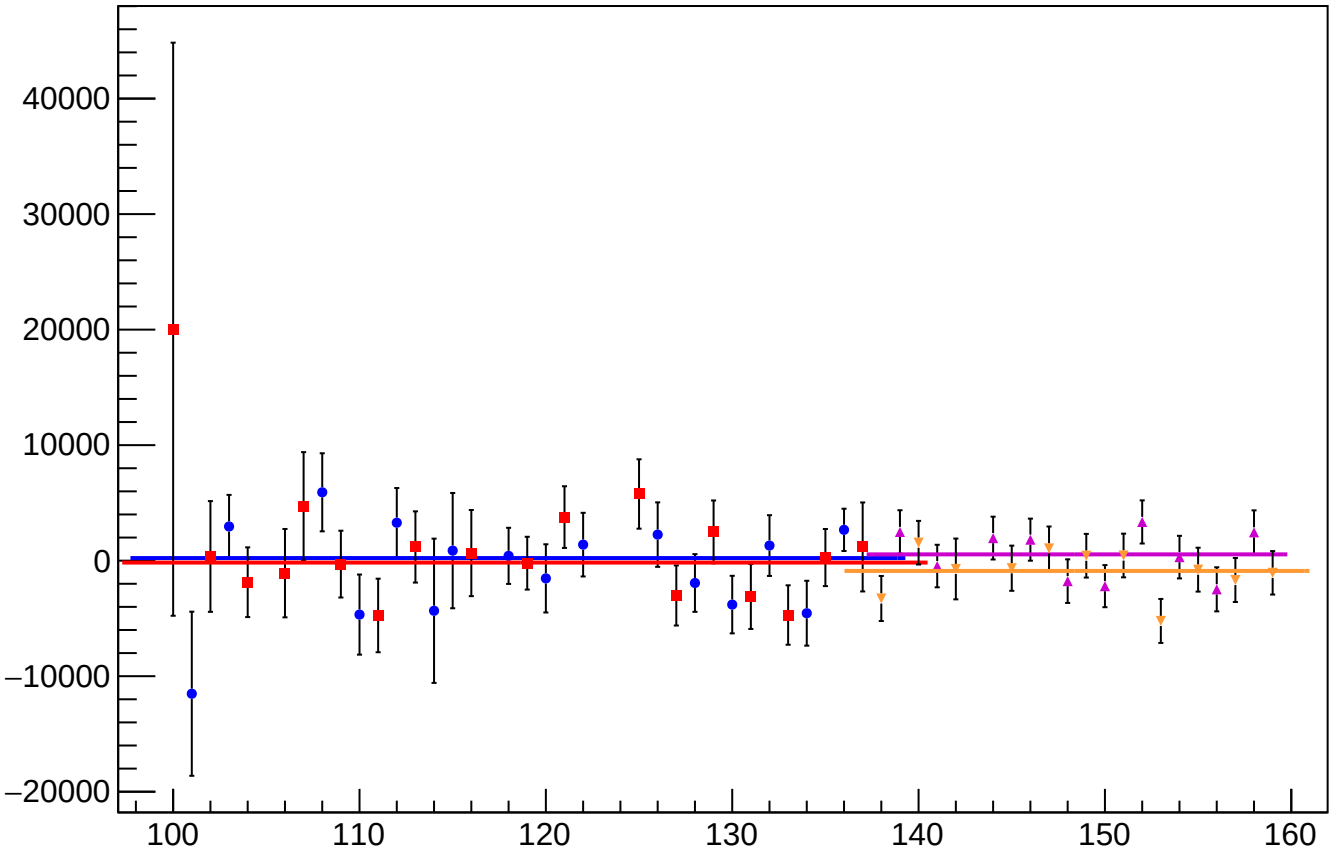
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 383.008+/-0.109 χ^2/NDF:4677014.2/9

+ sign 365.491+/-0.080 χ^2/NDF: 10500894.5/26

All: 400.005+/-0.060 χ^2/NDF: 18995968.5/54

- sign 445.657+/-0.092 χ^2/NDF: 8063451.5/27



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

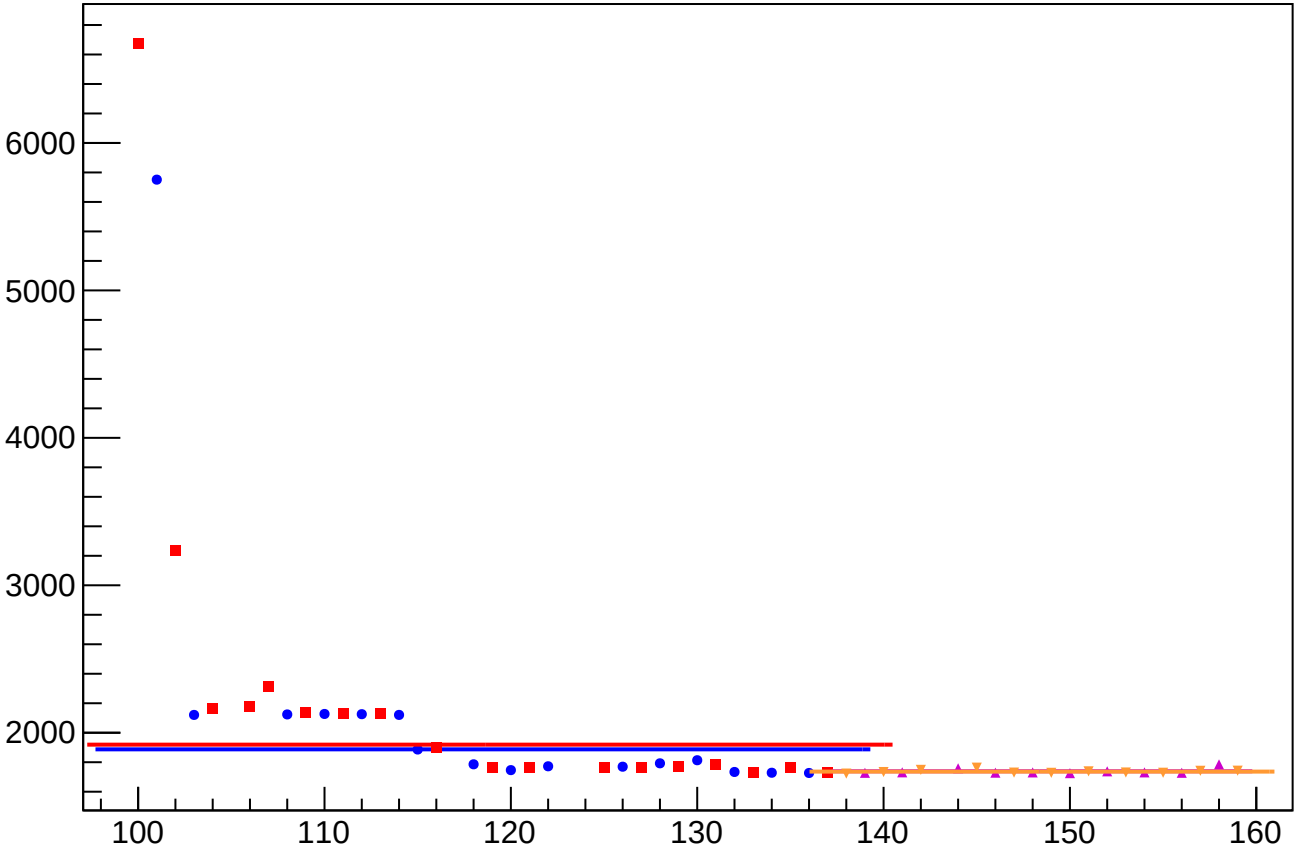
Left In: 544.944+/-588.622 χ^2/NDF:12.0/9

\+ sign -442.066+/-454.856 χ^2/NDF: 31.4/26

All: -90.938+/-322.448 χ^2/NDF: 62.3/54

\- sign 263.777+/-457.173 χ^2/NDF: 29.6/27

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

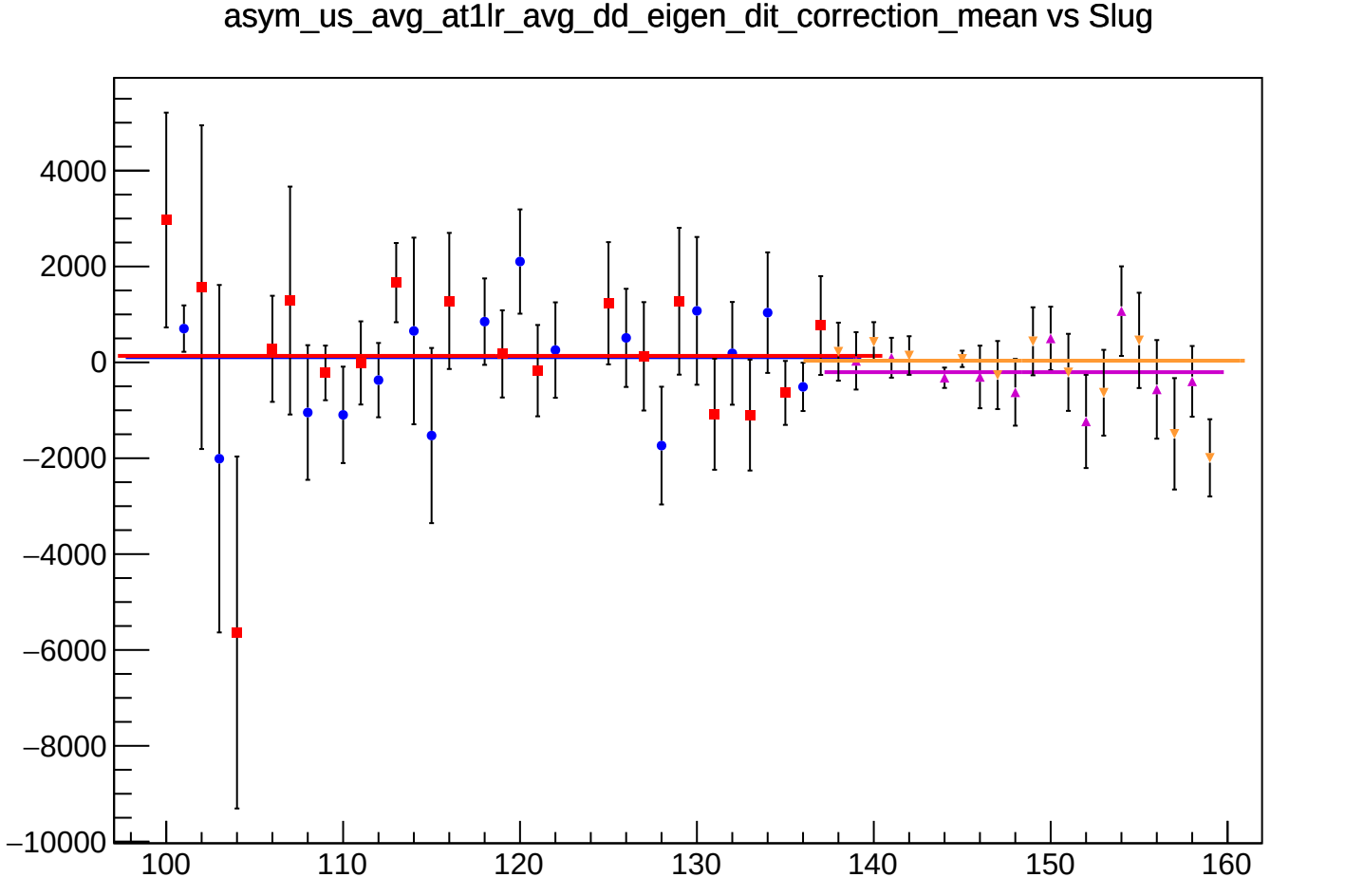
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1738.601+/-0.416 χ^2/NDF:1814.9/9

+ sign 1796.851+/-0.322 χ^2/NDF: 743004.1/26

All: 1803.512+/-0.228 χ^2/NDF: 1172917.5/54

- sign 1810.242+/-0.323 χ^2/NDF: 429051.1/27



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 35.105+/-129.780 χ^2/NDF:10.5/10

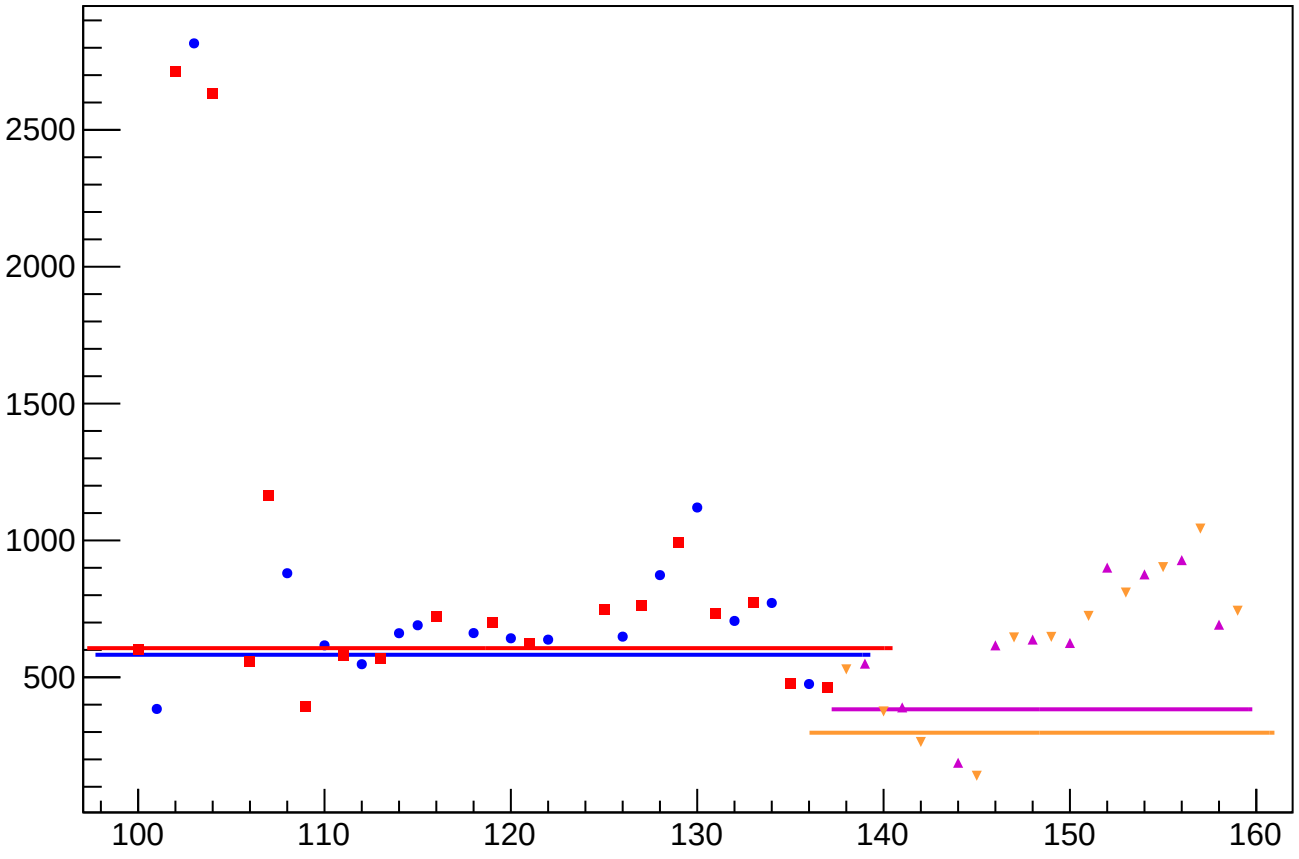
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -204.449+/-153.511 χ^2/NDF:5.7/9

\+ sign 52.543+/-113.229 χ^2/NDF: 24.8/26

All: -17.081+/-85.446 χ^2/NDF: 47.0/54

\- sign -109.174+/-130.224 χ^2/NDF: 21.4/27



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

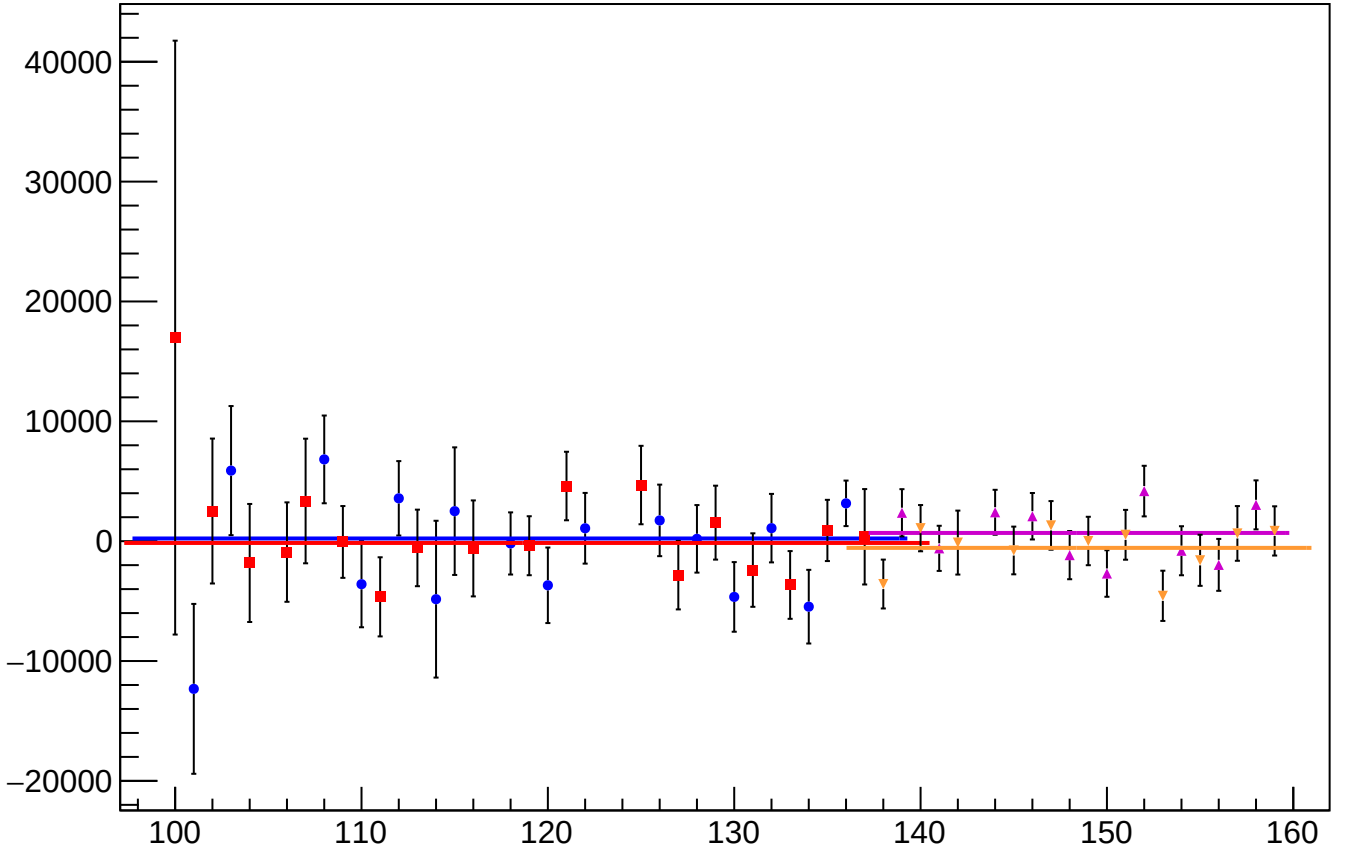
Left In: 383.009+/-0.109 χ^2/NDF:4677031.6/9

+ sign 365.491+/-0.080 χ^2/NDF: 10500896.0/26

All: 400.005+/-0.060 χ^2/NDF: 18995966.1/54

- sign 445.657+/-0.092 χ^2/NDF: 8063447.9/27

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

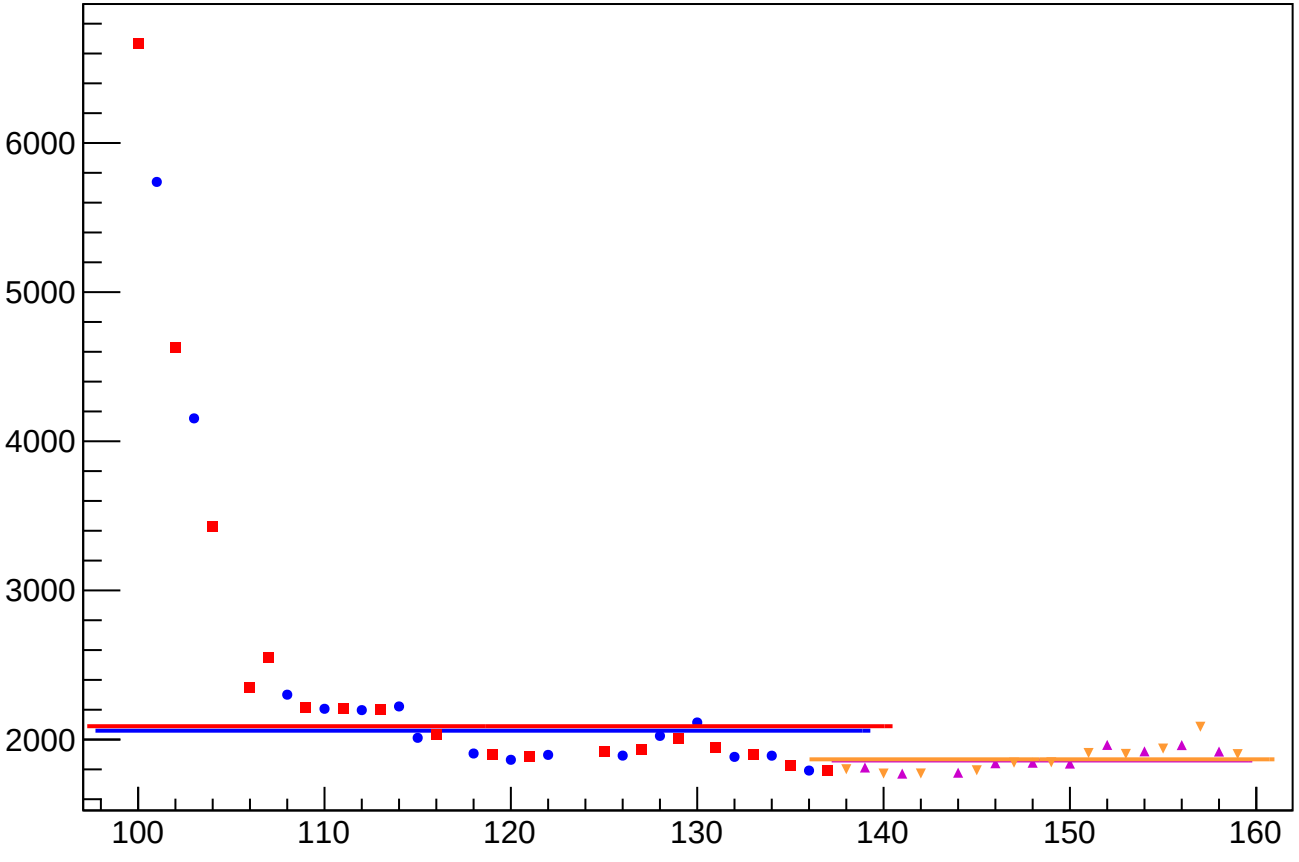
Left In: 686.841+/-630.089 χ^2/NDF:12.5/9

+ sign -253.995+/-494.225 χ^2/NDF: 30.6/26

All: 55.566+/-349.251 χ^2/NDF: 56.1/54

- sign 364.353+/-493.606 χ^2/NDF: 24.8/27

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

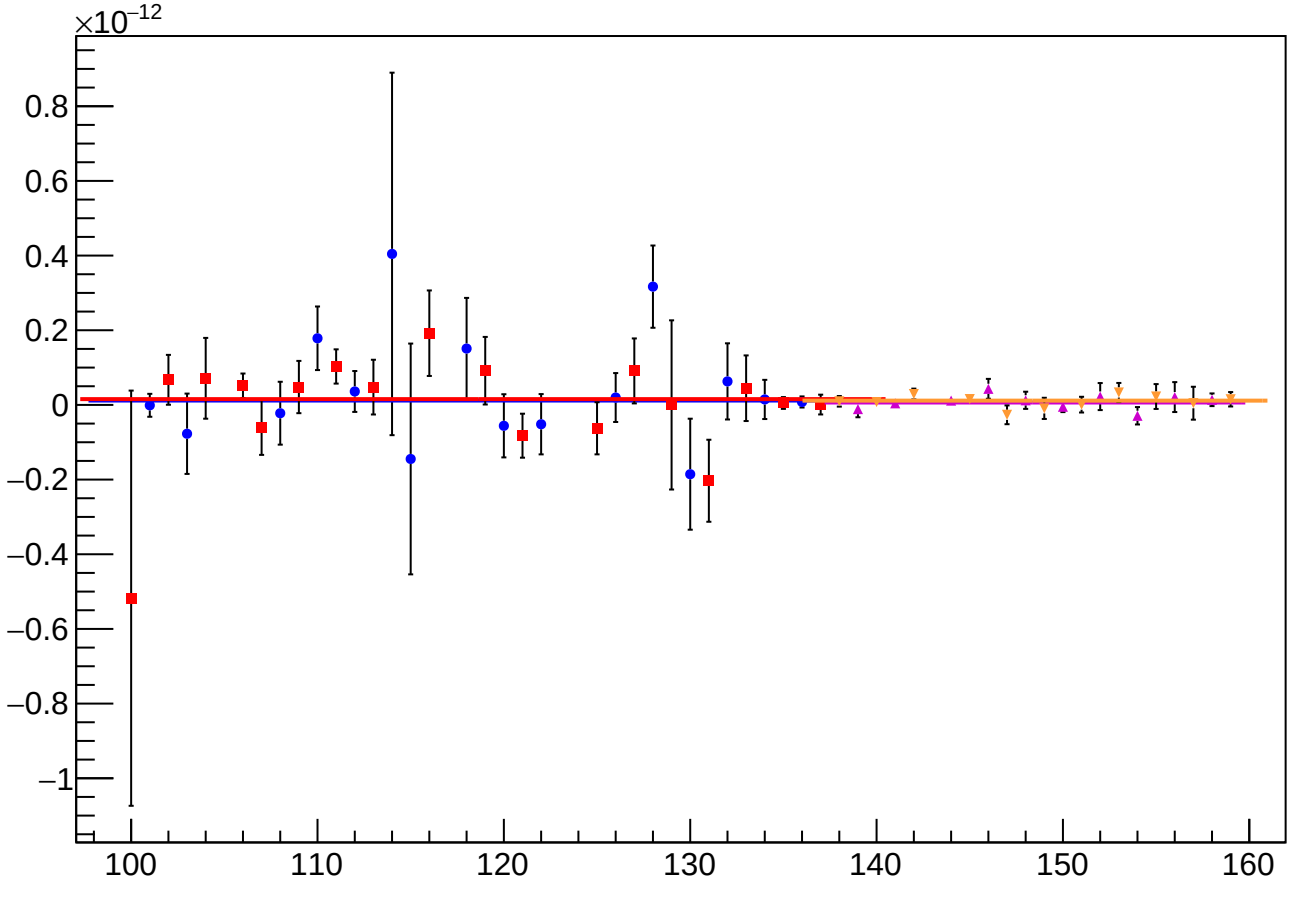
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1859.830+/-0.446 χ^2/NDF:22804.4/9

\+ sign 1942.291+/-0.349 χ^2/NDF: 1047036.8/26

All: 1945.420+/-0.247 χ^2/NDF: 1854096.7/54

\- sign 1948.542+/-0.349 χ^2/NDF: 806899.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

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

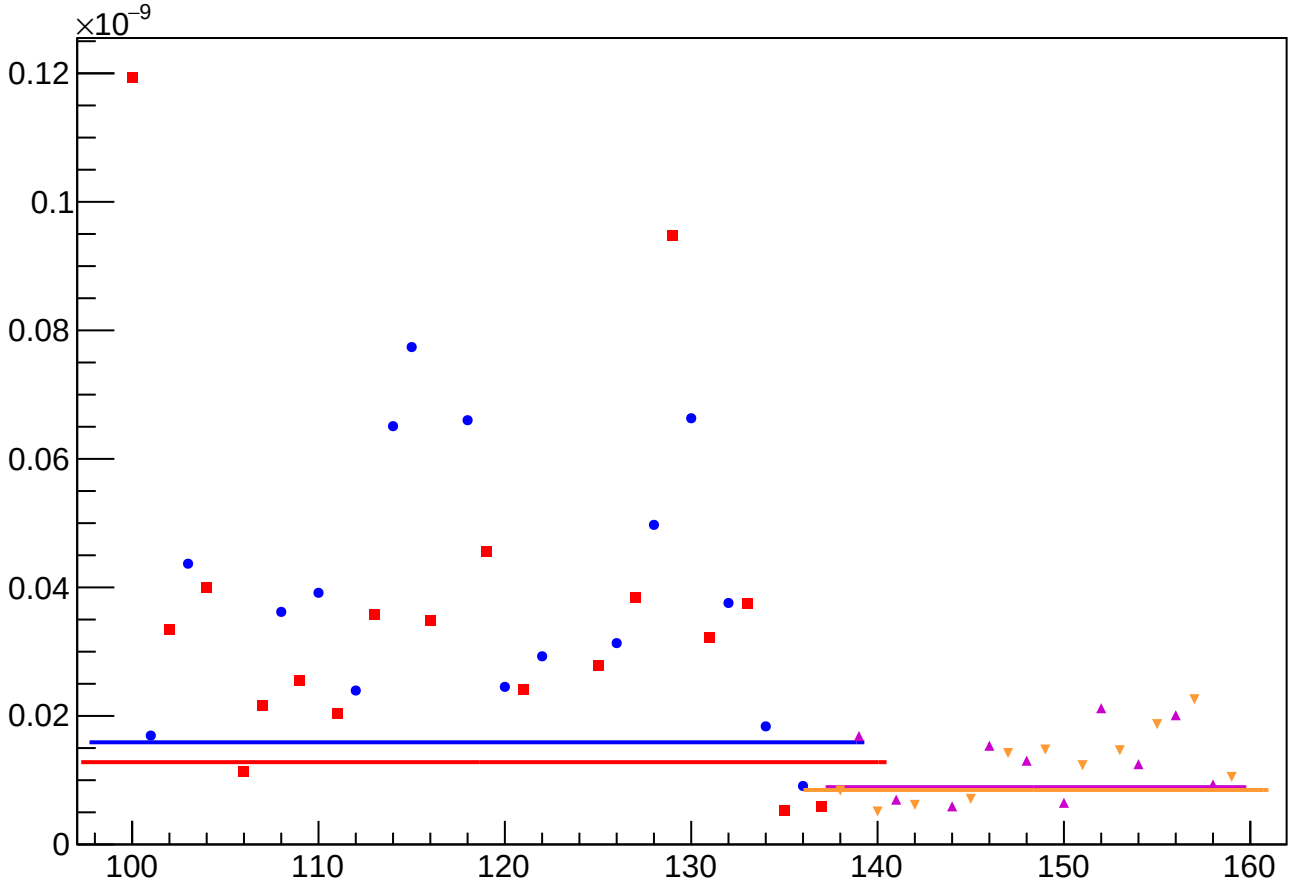
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:6.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/26

All: 0.000+/-0.000 χ^2/NDF: 51.7/54

- sign 0.000+/-0.000 χ^2/NDF: 27.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1122256.6/10

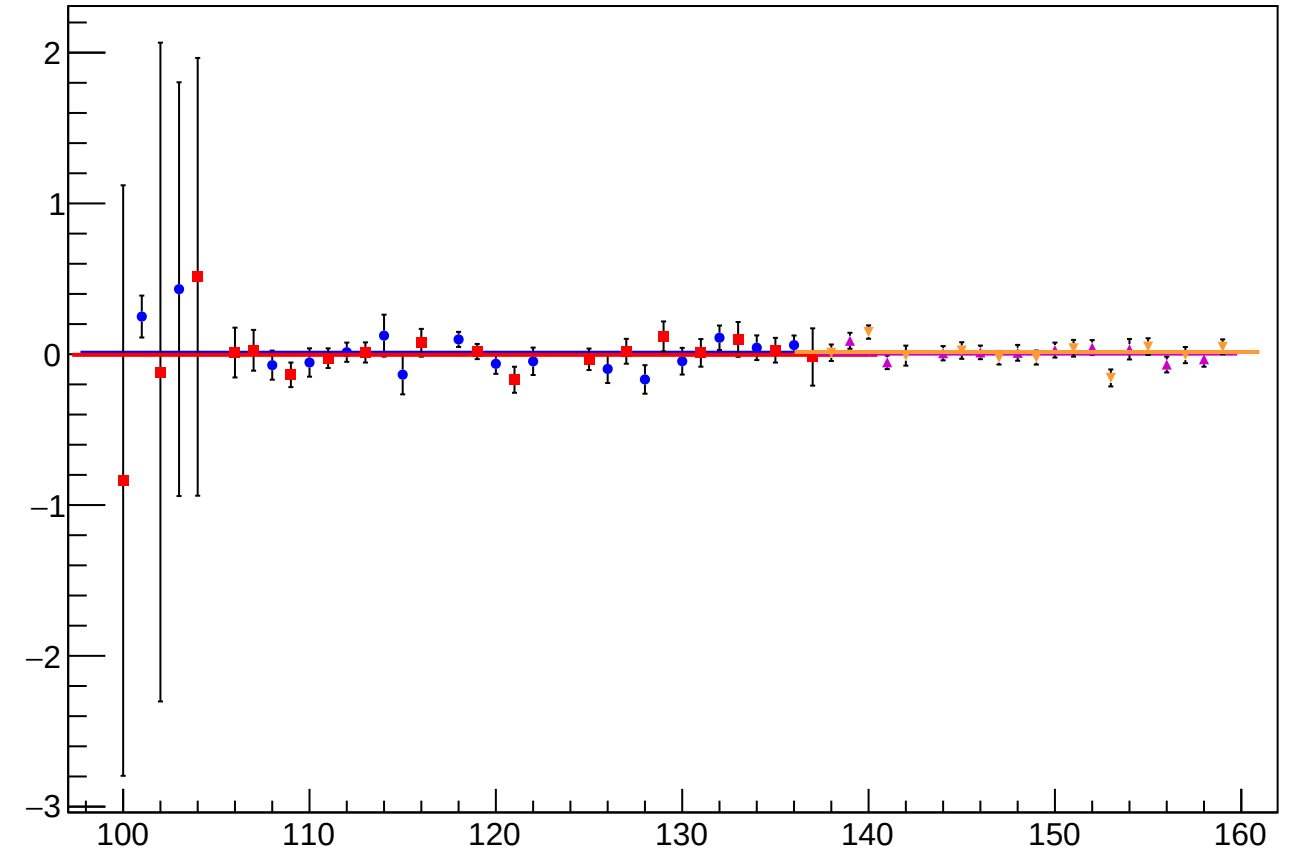
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1188702.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 3743981.6/26

All: 0.000+/-0.000 χ^2/NDF: 7630466.3/54

- sign 0.000+/-0.000 χ^2/NDF: 3886482.6/27



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

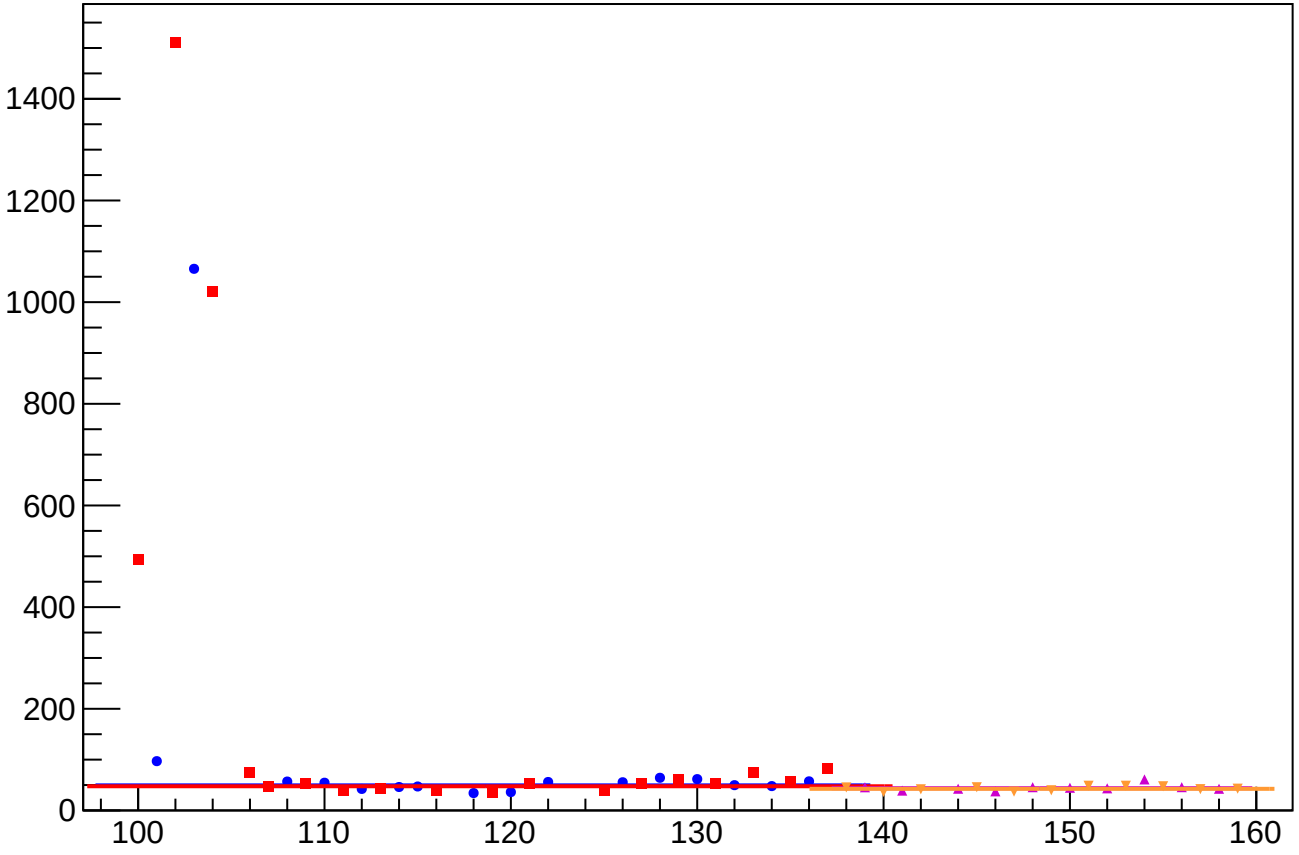
Left In: 0.004+/-0.016 χ^2/NDF:7.8/9

+ sign 0.013+/-0.013 χ^2/NDF: 39.3/26

All: 0.007+/-0.009 χ^2/NDF: 58.2/54

- sign 0.001+/-0.013 χ^2/NDF: 18.4/27

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.551+/-0.011 χ^2/NDF:151412.0/10

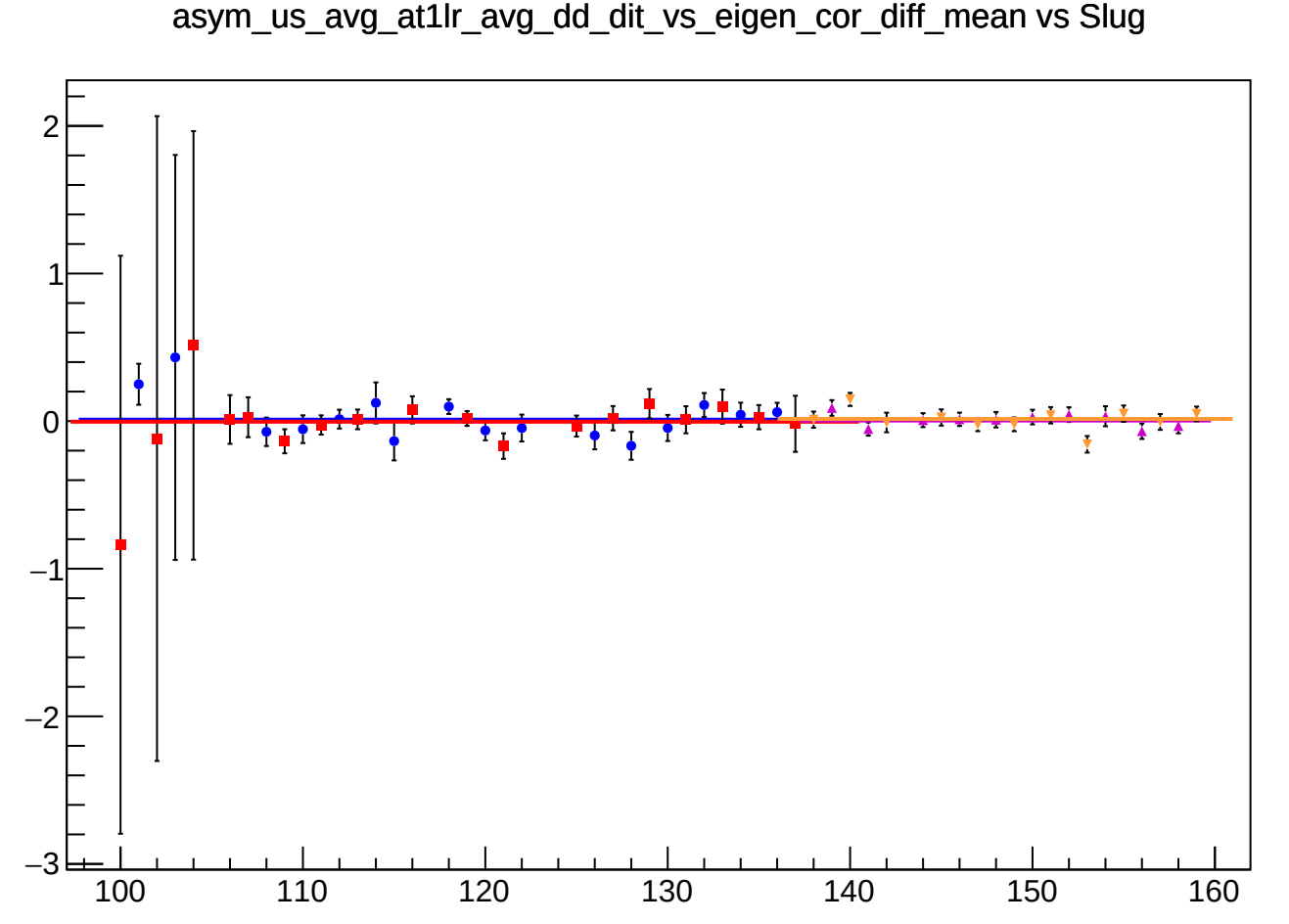
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.760+/-0.011 χ^2/NDF:199892.9/9

+ sign 44.987+/-0.009 χ^2/NDF: 2062644.6/26

All: 45.053+/-0.006 χ^2/NDF: 4722064.5/54

- sign 45.121+/-0.009 χ^2/NDF: 2659306.7/27



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

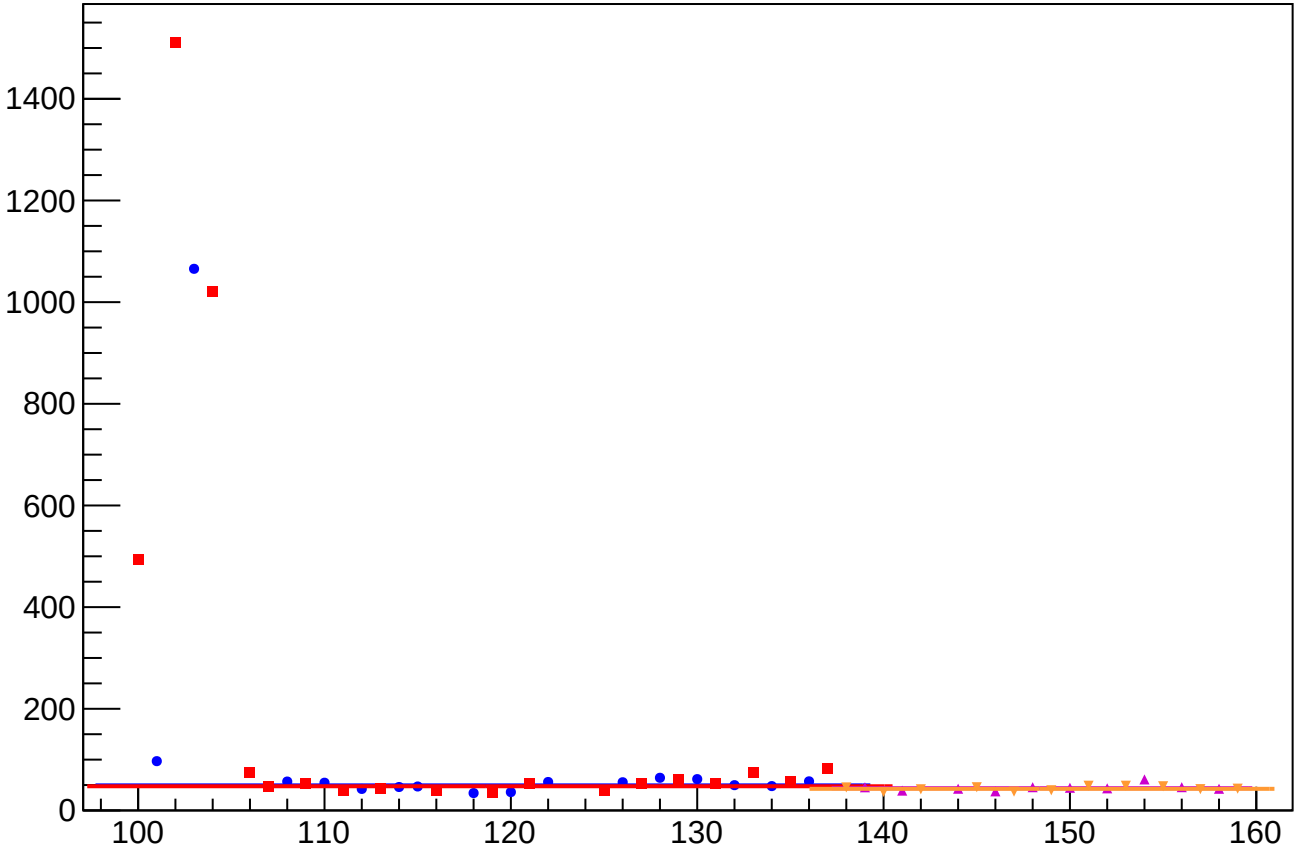
Left In: 0.004+/-0.016 χ^2/NDF:7.8/9

+ sign 0.013+/-0.013 χ^2/NDF: 39.3/26

All: 0.007+/-0.009 χ^2/NDF: 58.2/54

- sign 0.001+/-0.013 χ^2/NDF: 18.4/27

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.551+/-0.011 χ^2/NDF:151412.0/10

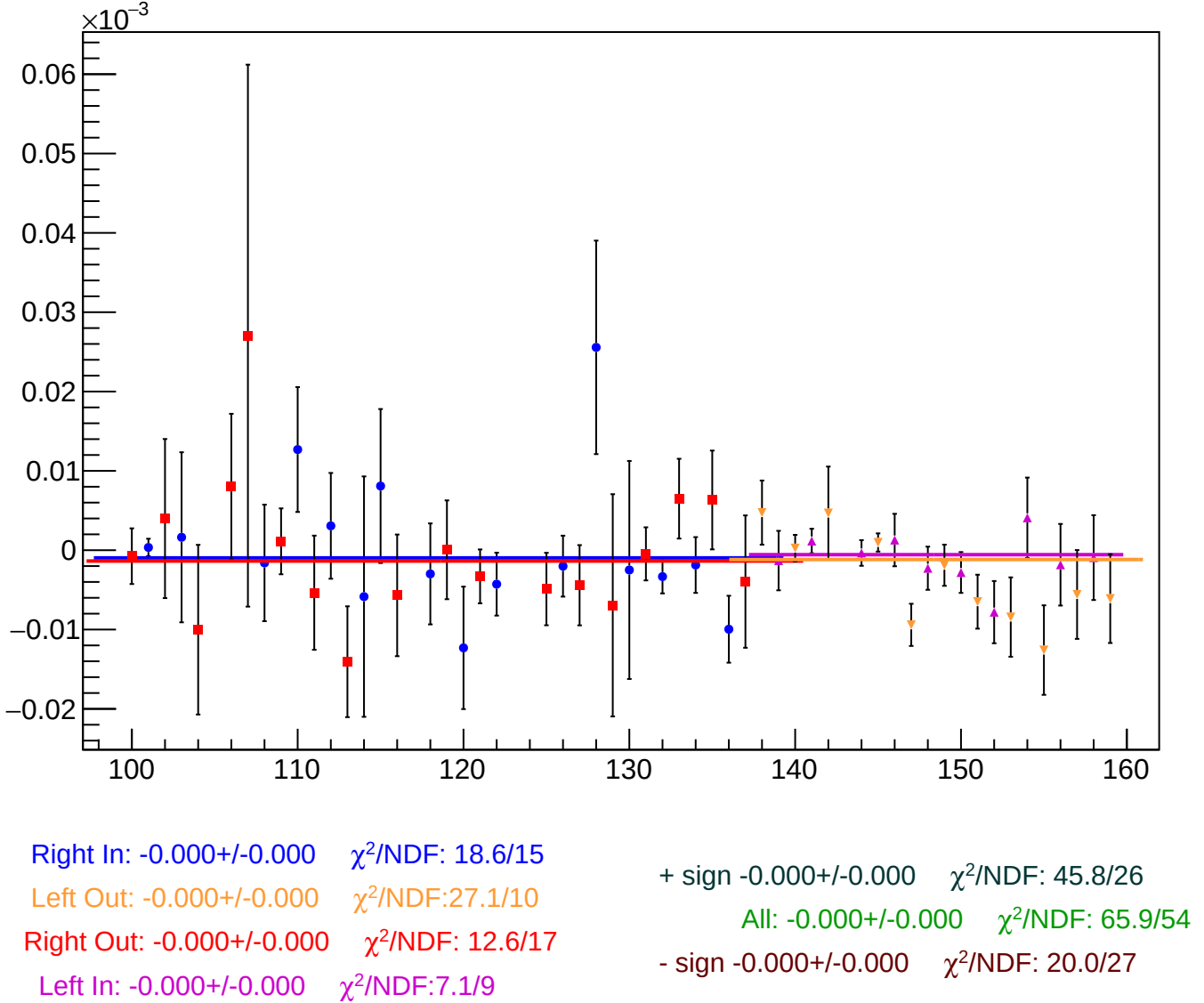
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

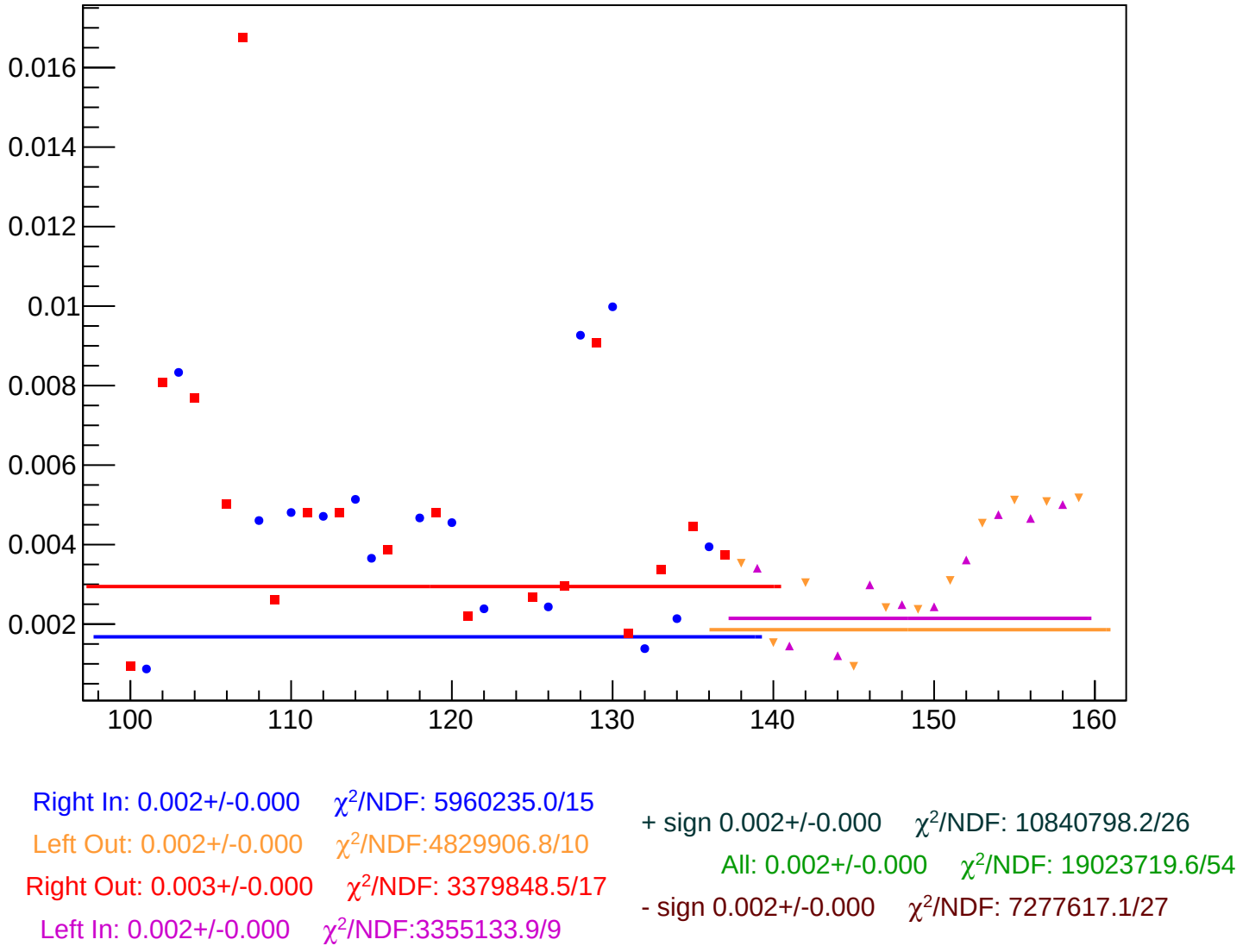
Left In: 43.760+/-0.011 χ^2/NDF:199892.9/9

+ sign 44.987+/-0.009 χ^2/NDF: 2062644.6/26

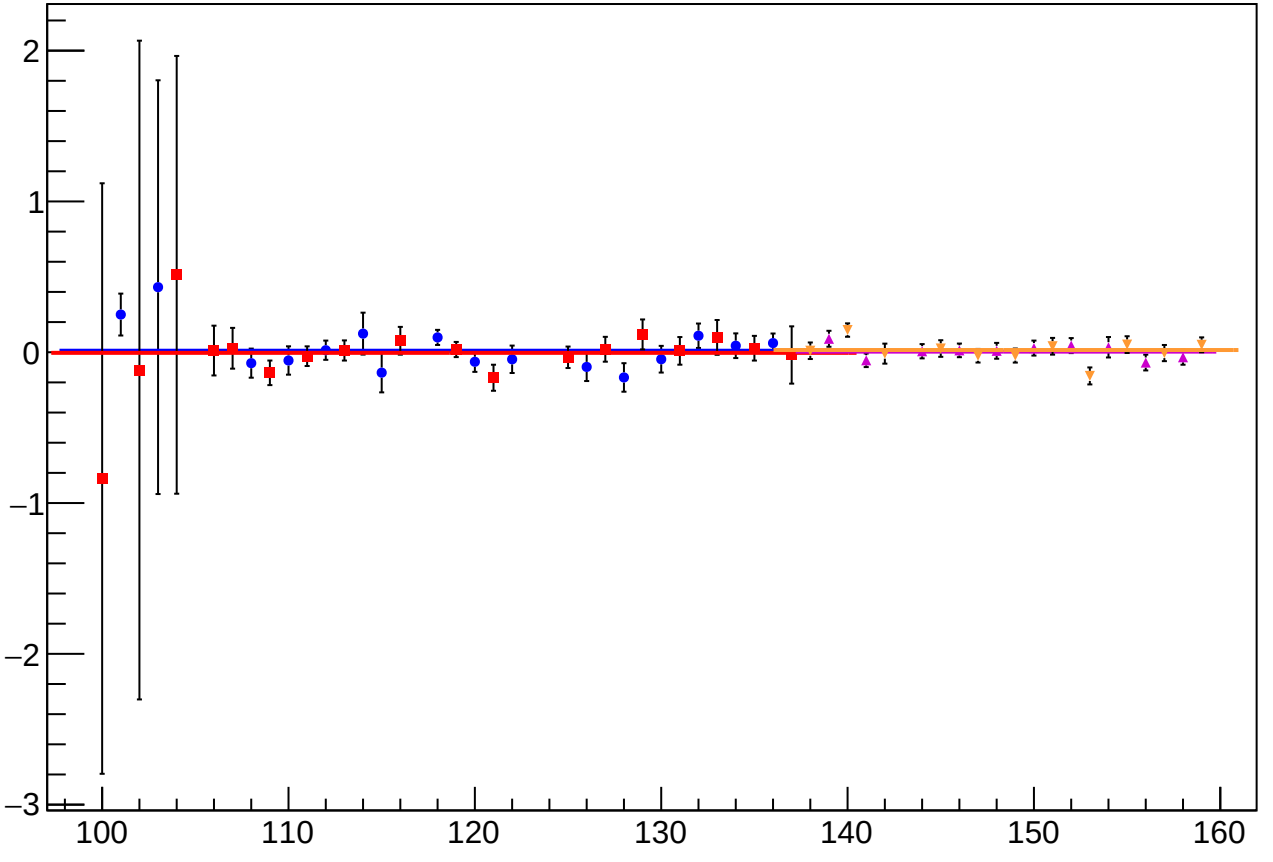
All: 45.053+/-0.006 χ^2/NDF: 4722064.5/54

- sign 45.121+/-0.009 χ^2/NDF: 2659306.7/27


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:27.1/10
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:7.1/9
+ sign -0.000+/-0.000 χ²/NDF: 45.8/26
All: -0.000+/-0.000 χ²/NDF: 65.9/54
- sign -0.000+/-0.000 χ²/NDF: 20.0/27


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
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:3355133.9/9
+ sign 0.002+/-0.000 χ²/NDF: 10840798.2/26
All: 0.002+/-0.000 χ²/NDF: 19023719.6/54
- sign 0.002+/-0.000 χ²/NDF: 7277617.1/27

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

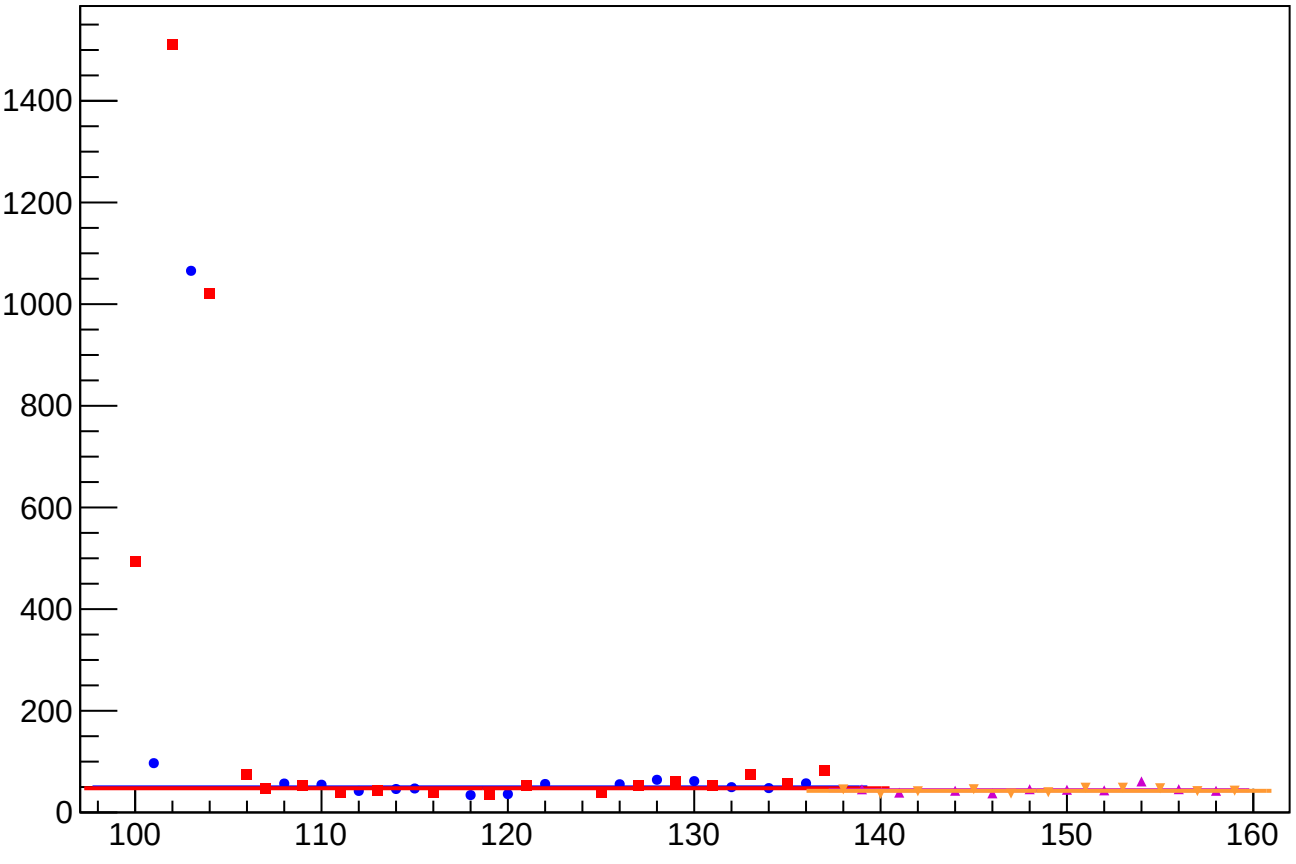
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.004+/-0.016 χ^2/NDF:7.8/9

+ sign 0.013+/-0.013 χ^2/NDF: 39.3/26

All: 0.007+/-0.009 χ^2/NDF: 58.2/54

- sign 0.001+/-0.013 χ^2/NDF: 18.4/27



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.551+/-0.011 χ^2/NDF:151429.2/10

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

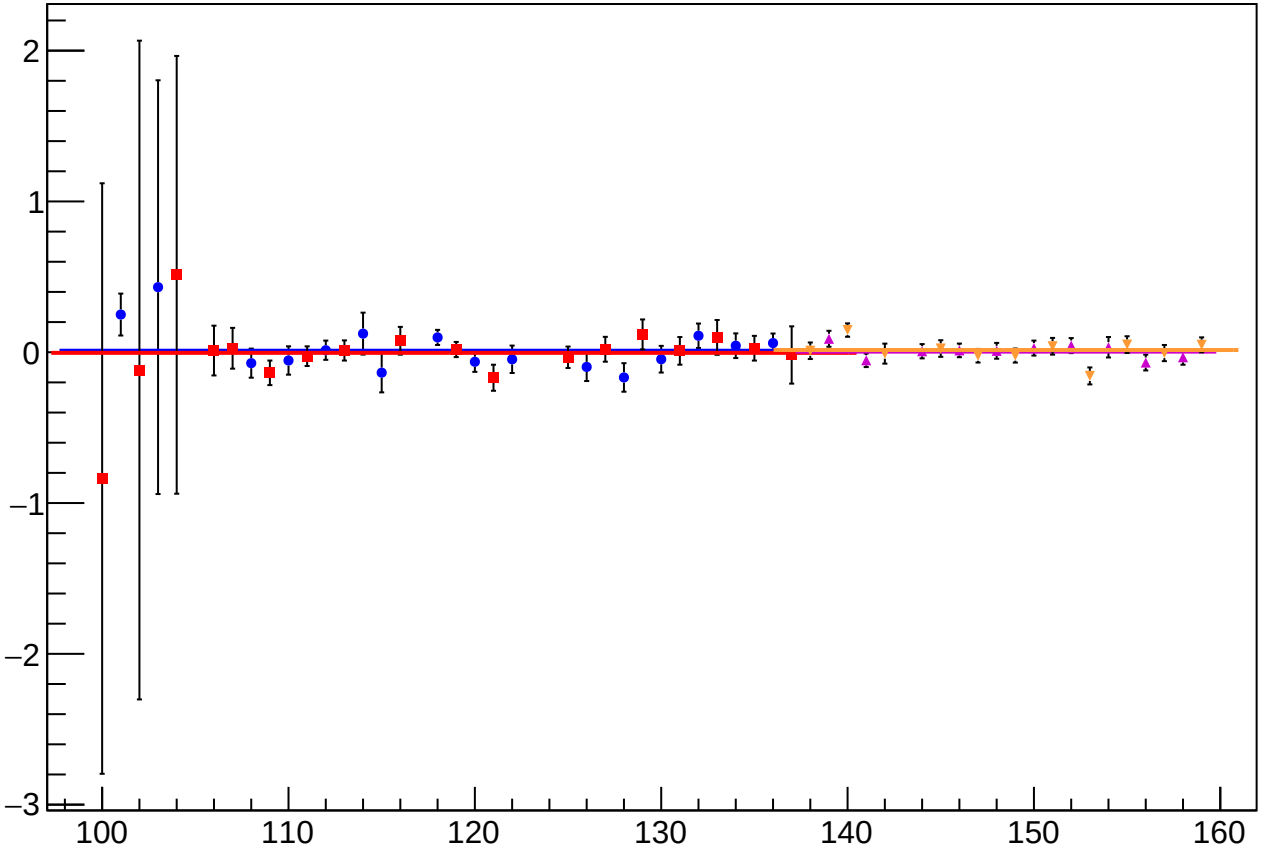
Left In: 43.760+/-0.011 χ^2/NDF:199940.6/9

+ sign 44.987+/-0.009 χ^2/NDF: 2062591.6/26

All: 45.053+/-0.006 χ^2/NDF: 4722085.5/54

- sign 45.121+/-0.009 χ^2/NDF: 2659382.3/27

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

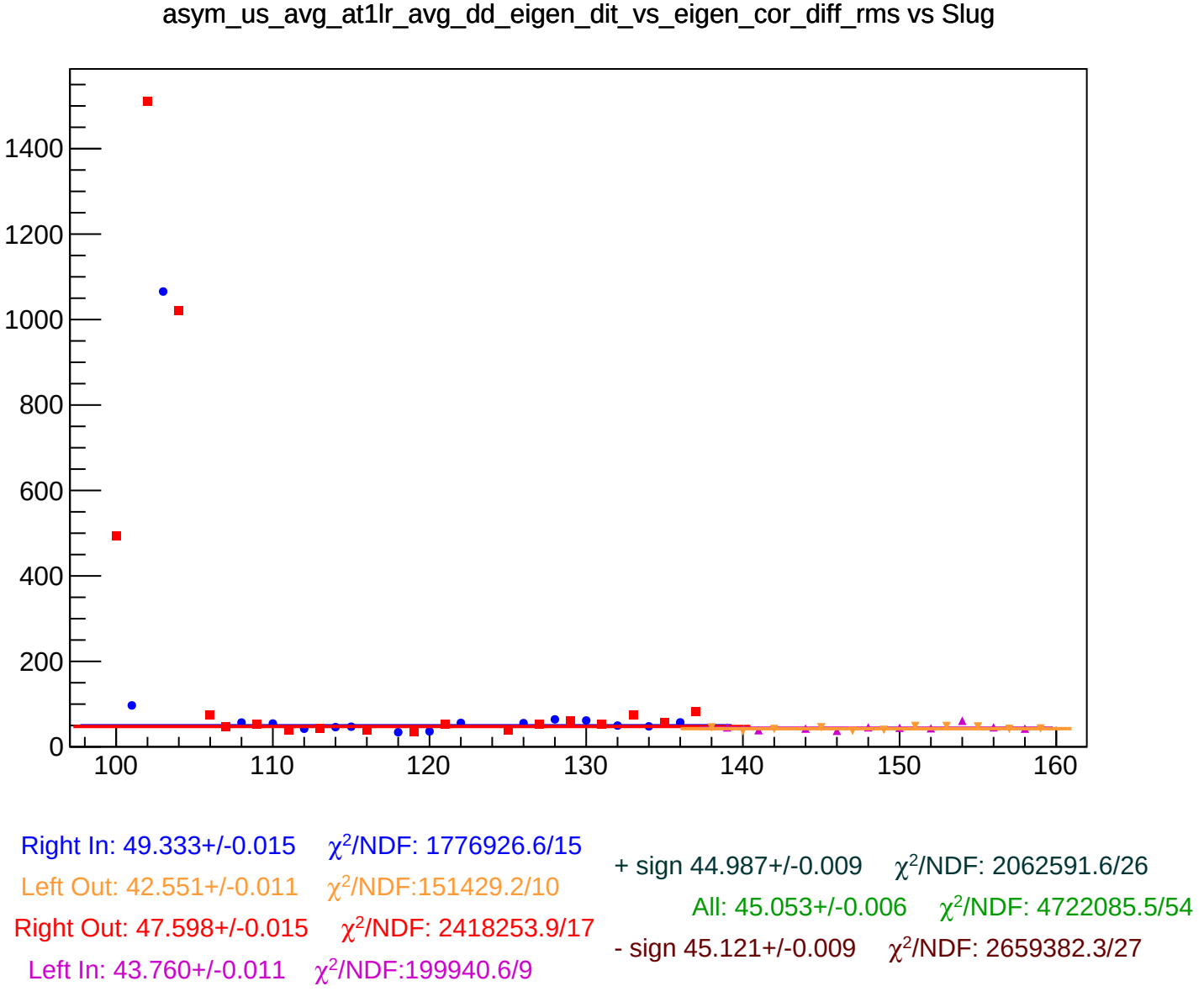
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

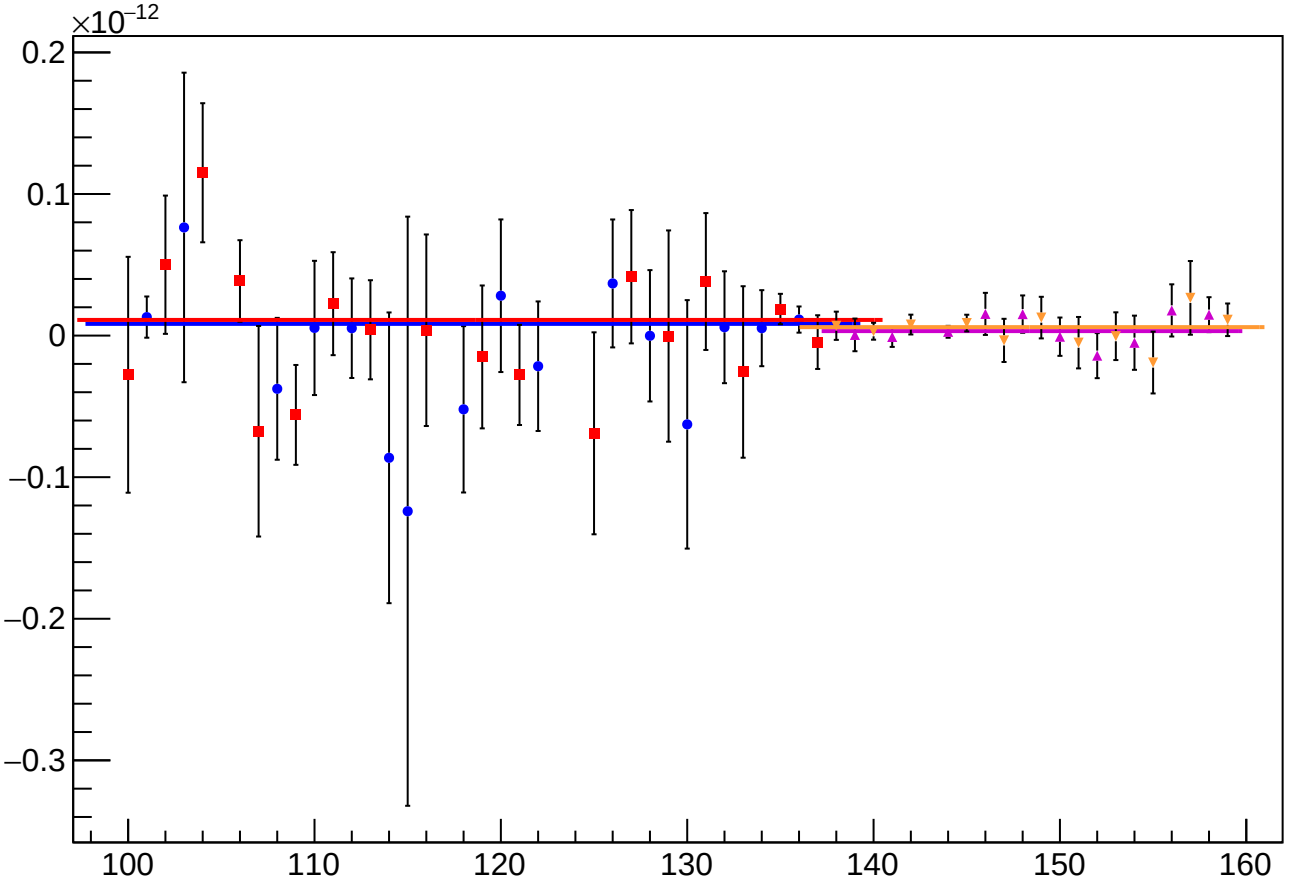
Left In: 0.004+/-0.016 χ^2/NDF:7.8/9

+ sign 0.013+/-0.013 χ^2/NDF: 39.3/26

All: 0.007+/-0.009 χ^2/NDF: 58.2/54

- sign 0.001+/-0.013 χ^2/NDF: 18.4/27


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.551+/-0.011 χ²/NDF:151429.2/10
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 43.760+/-0.011 χ²/NDF:199940.6/9
+ sign 44.987+/-0.009 χ²/NDF: 2062591.6/26
All: 45.053+/-0.006 χ²/NDF: 4722085.5/54
- sign 45.121+/-0.009 χ²/NDF: 2659382.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.8/10

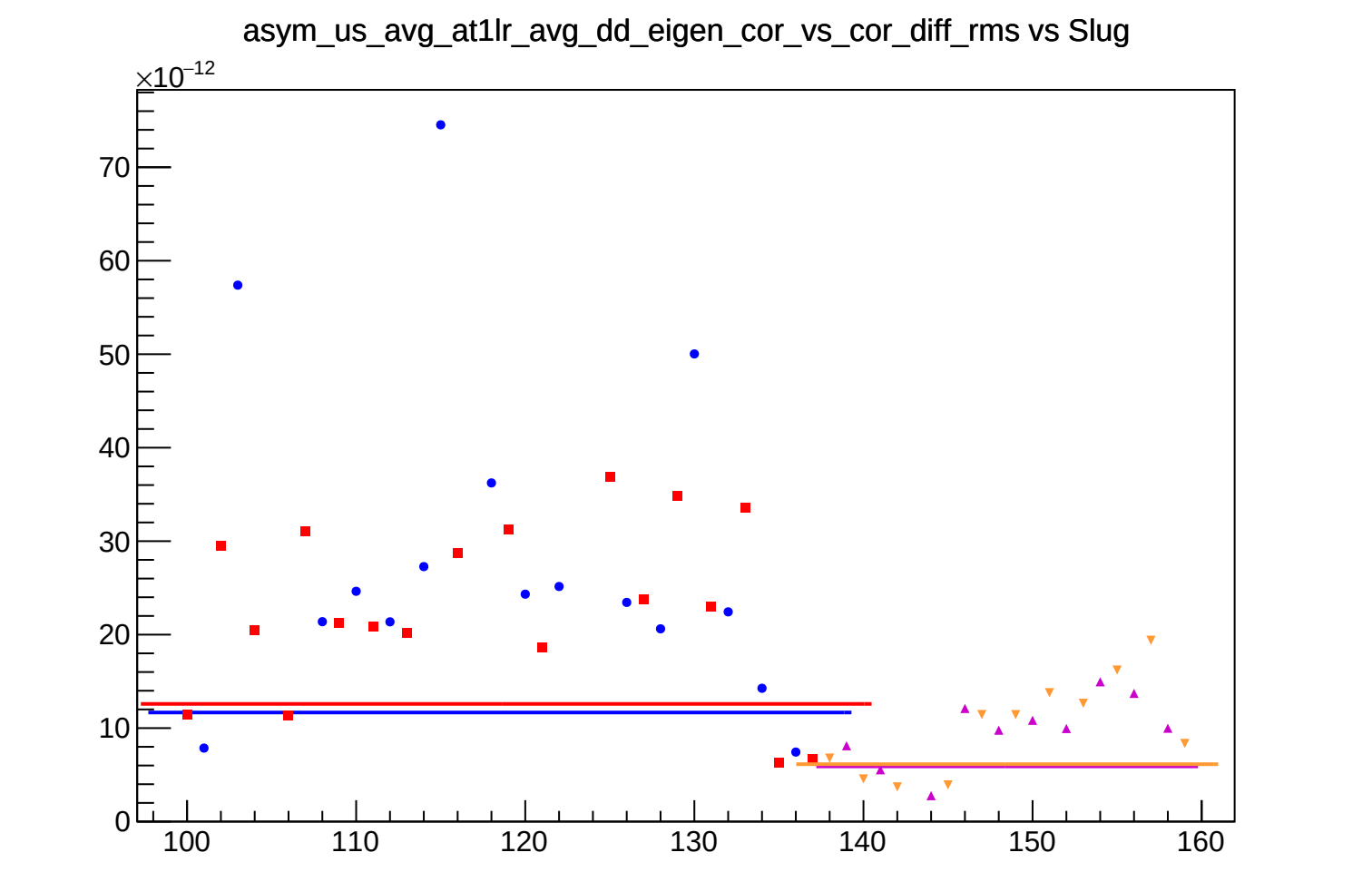
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:4.9/9

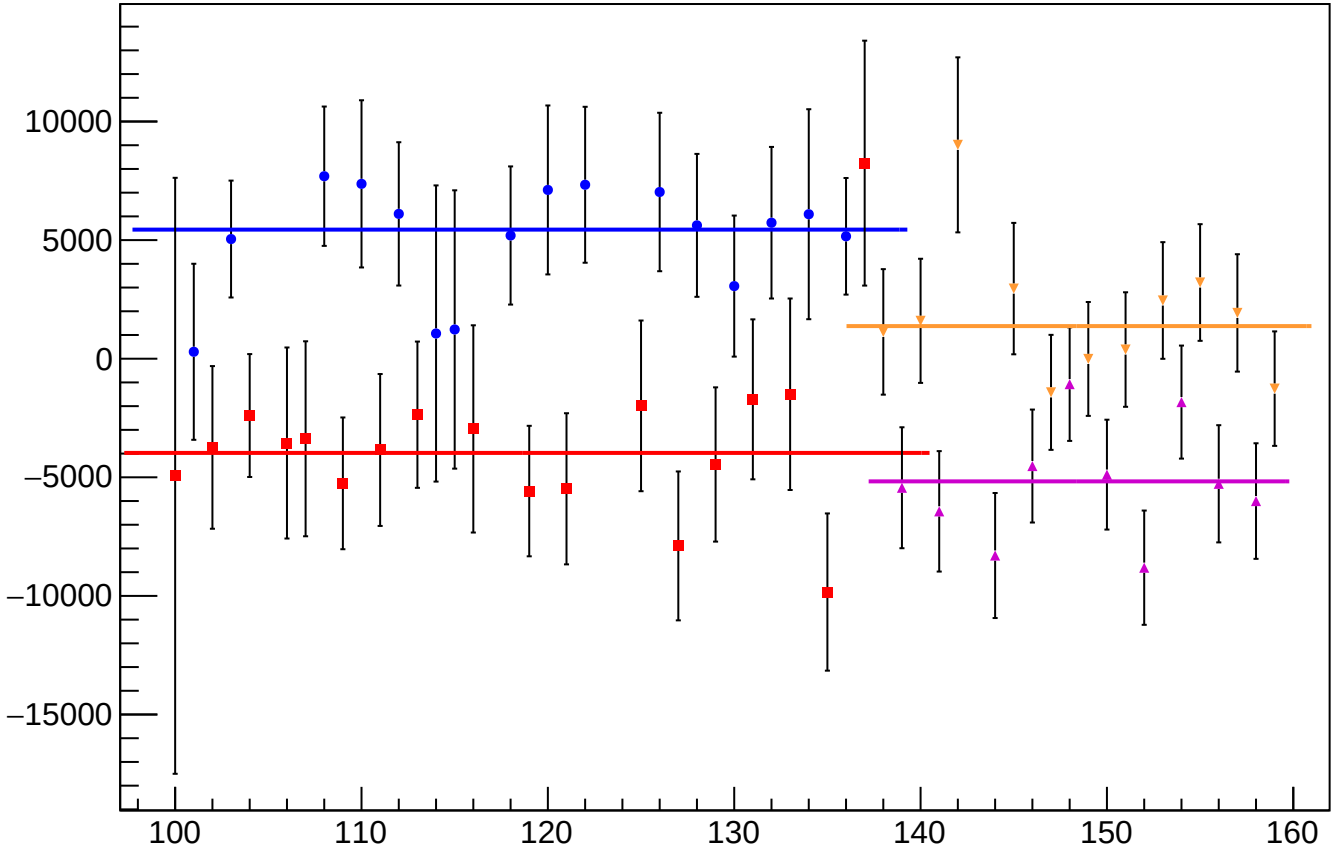
+ sign 0.000+/-0.000 χ^2/NDF: 9.3/26

All: 0.000+/-0.000 χ^2/NDF: 31.7/54

- sign 0.000+/-0.000 χ^2/NDF: 22.1/27


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
0
10
20
30
40
50
60
70
100
110
120
130
140
150
160
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:3129105.8/9
+ sign 0.000+/-0.000 χ²/NDF: 6902975.8/26
All: 0.000+/-0.000 χ²/NDF: 14429518.4/54
- sign 0.000+/-0.000 χ²/NDF: 7521152.7/27

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

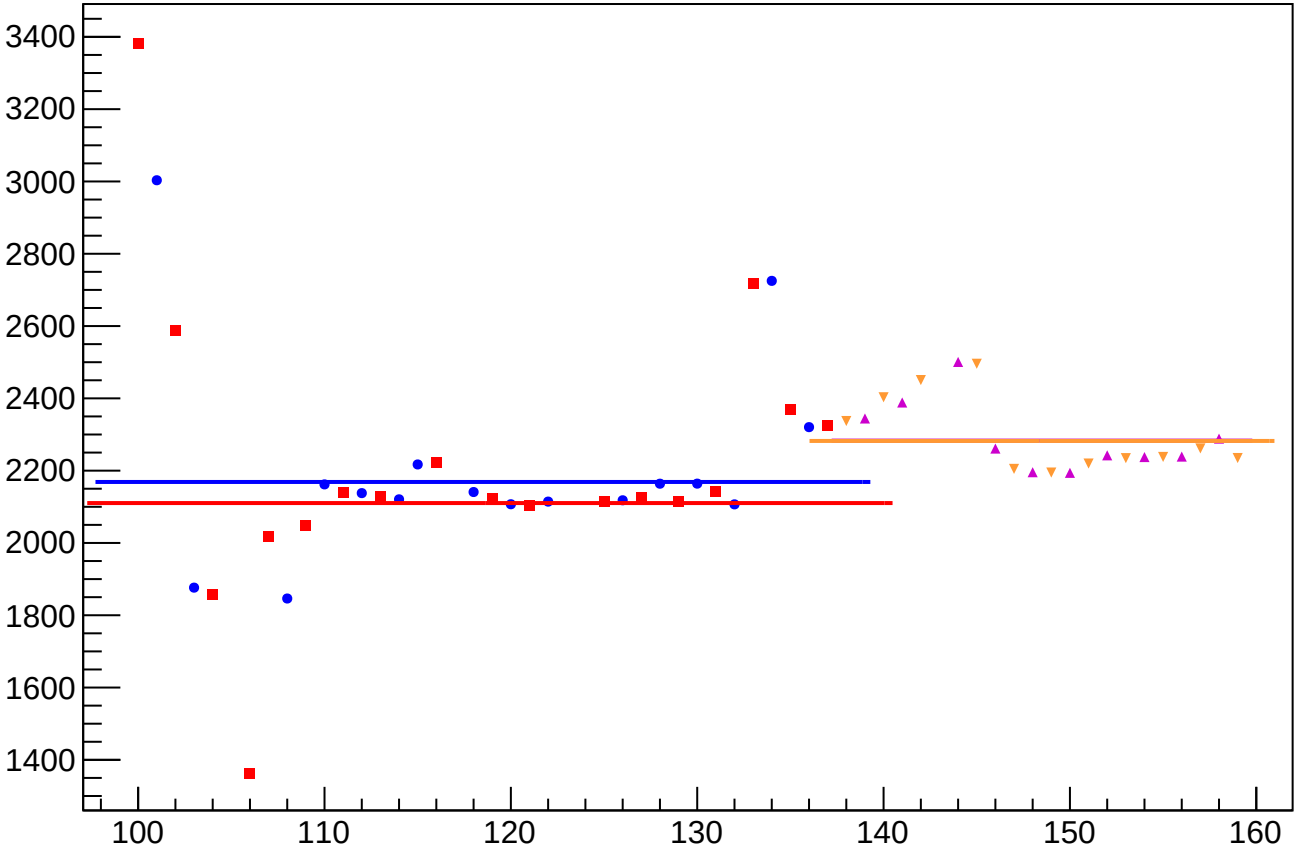
Left In: -5171.540+/-773.599 χ^2/NDF:9.1/9

+ sign 3307.249+/-560.047 χ^2/NDF: 27.0/26

All: -652.157+/-395.685 χ^2/NDF: 149.9/54

- sign -4598.477+/-559.121 χ^2/NDF: 23.2/27

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

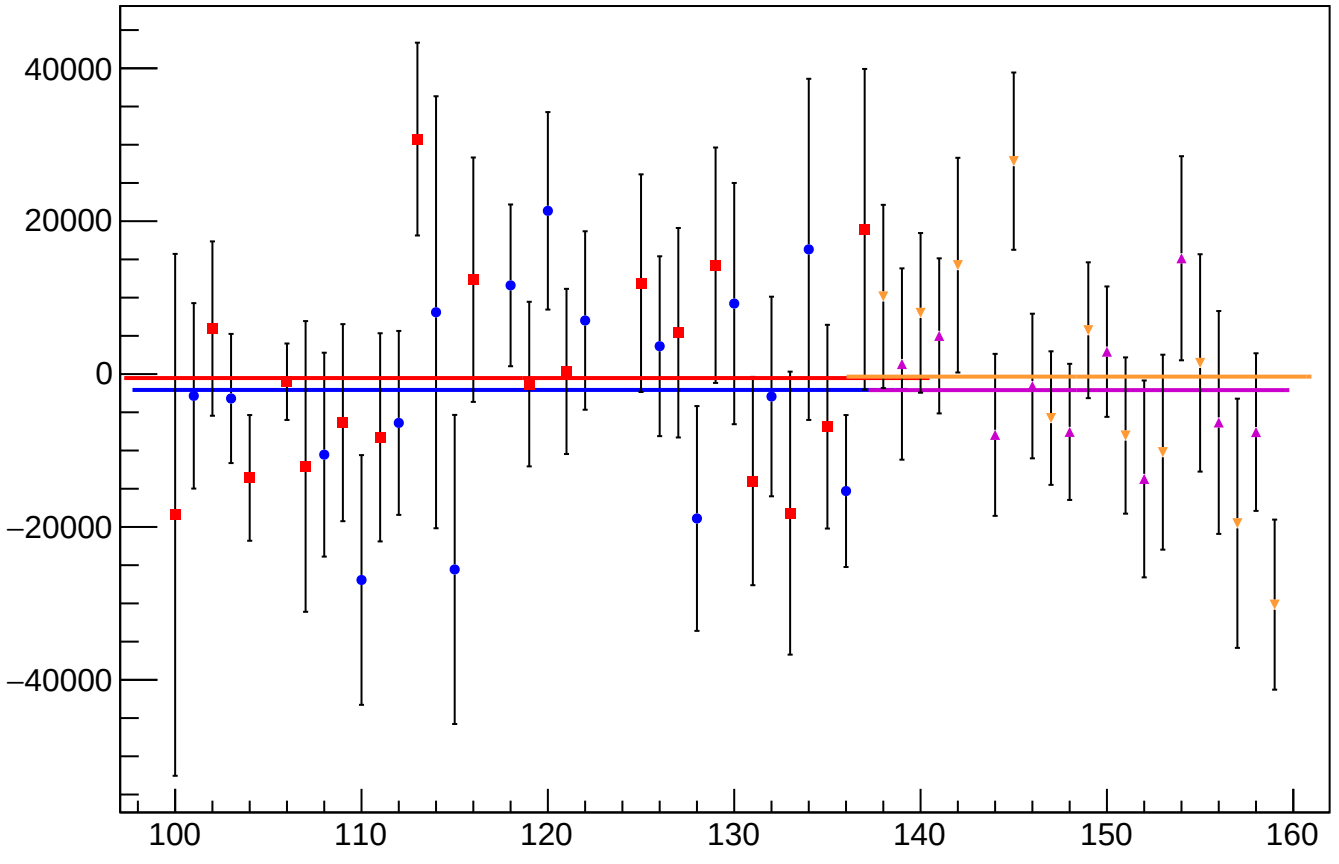
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

+ sign 2228.280+/-0.396 χ^2/NDF: 245641.3/26

All: 2213.620+/-0.279 χ^2/NDF: 590201.6/54

- sign 2199.232+/-0.392 χ^2/NDF: 341845.0/27



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -334.244+/-3391.615 χ^2/NDF:19.0/10

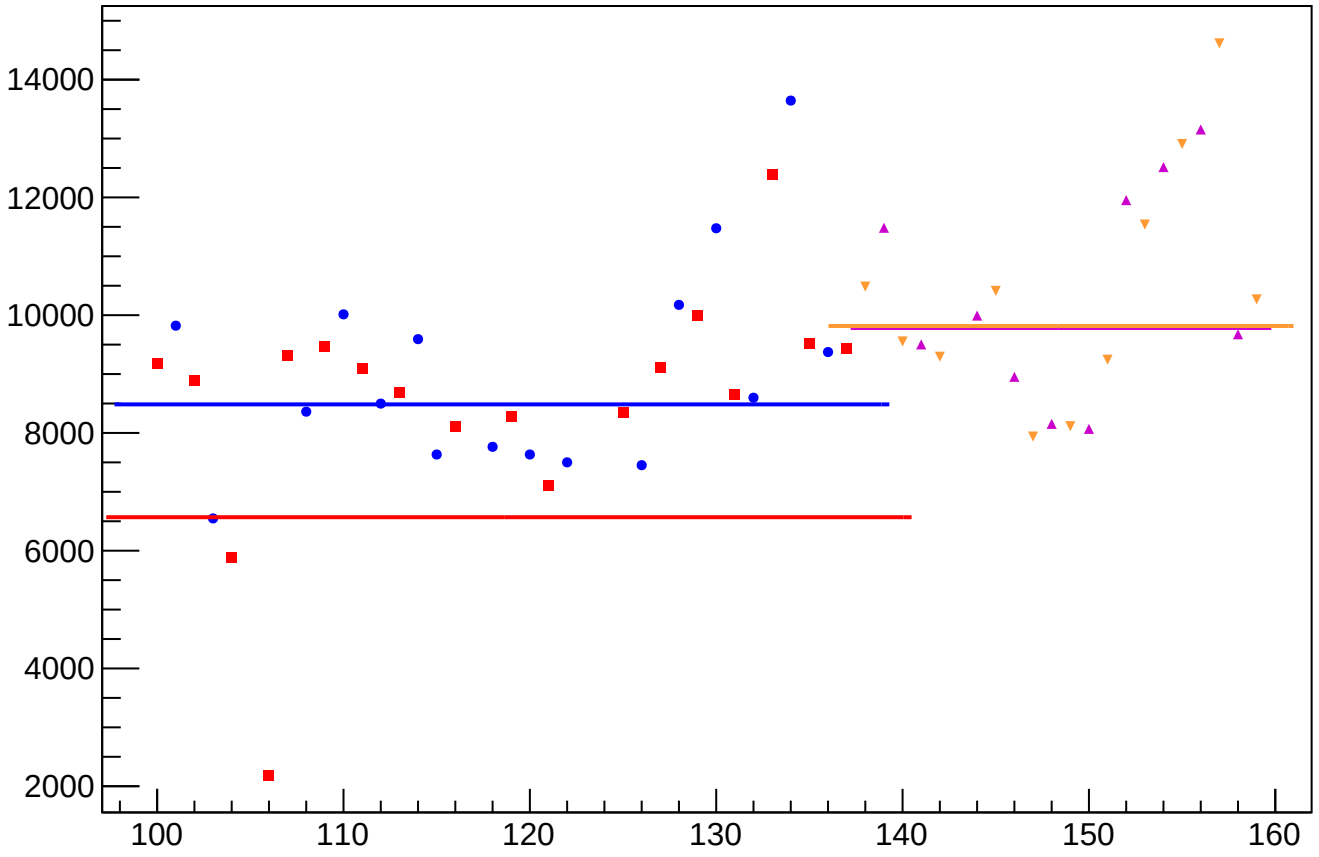
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2098.451+/-3365.123 χ^2/NDF:4.4/9

+ sign -1251.827+/-2332.176 χ^2/NDF: 33.6/26

All: -1192.288+/-1566.007 χ^2/NDF: 53.8/54

- sign -1143.399+/-2113.302 χ^2/NDF: 20.3/27



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

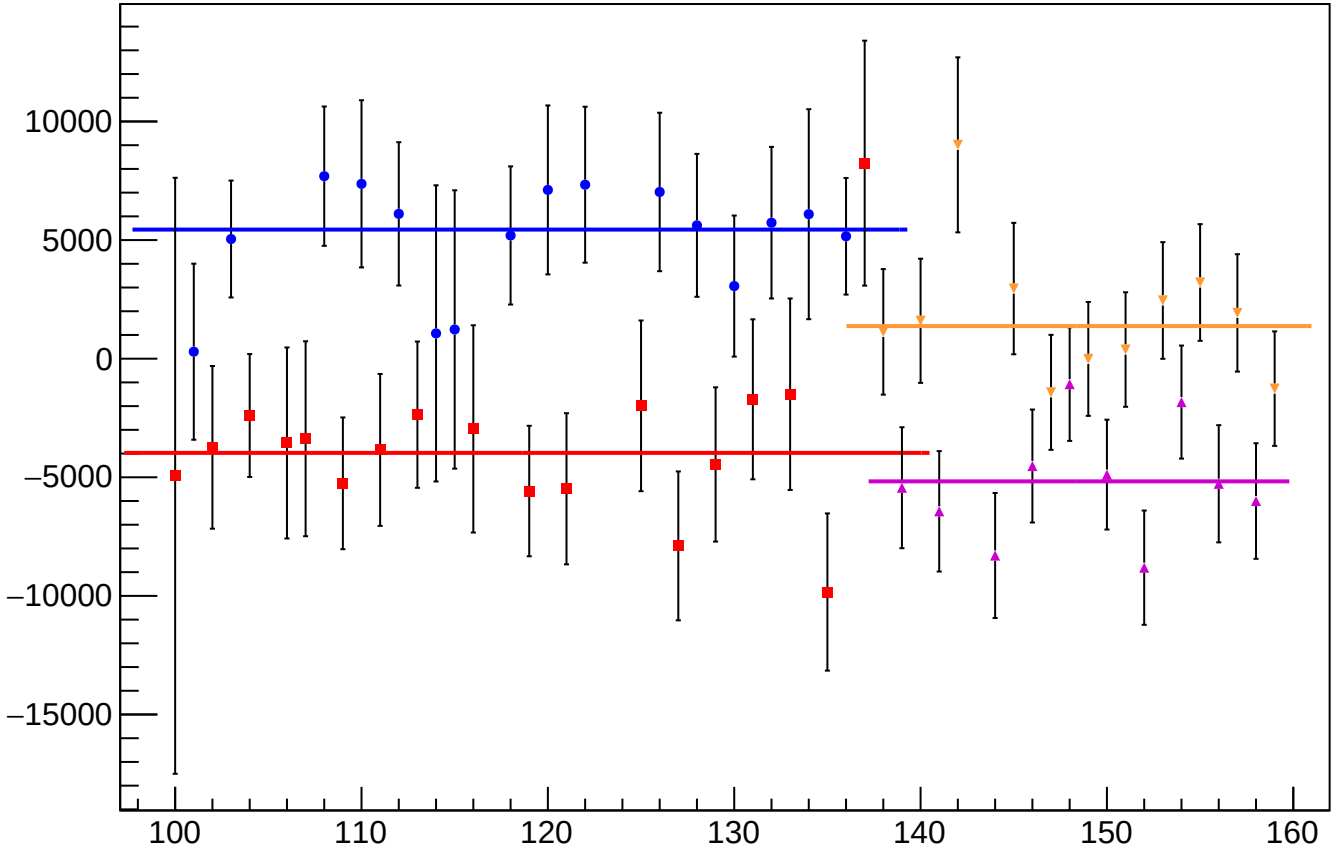
Left In: 9782.326+/-2.380 χ^2/NDF:450156.3/9

+ sign 9114.374+/-1.649 χ^2/NDF: 1080548.9/26

All: 8412.462+/-1.107 χ^2/NDF: 5534129.5/54

- sign 7836.115+/-1.494 χ^2/NDF: 4123660.7/27

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

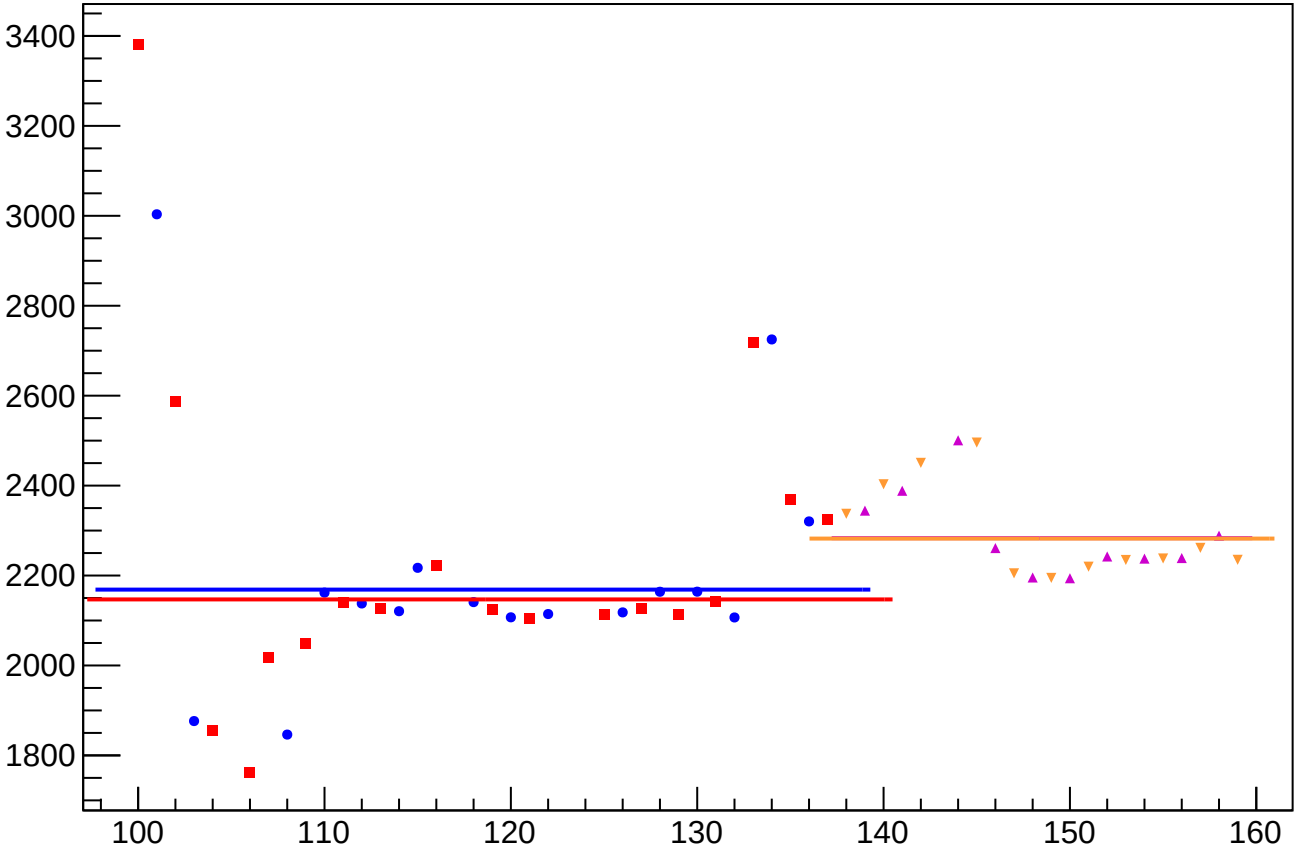
Left In: -5171.749+/-773.599 χ^2/NDF:9.1/9

+ sign 3307.240+/-560.047 χ^2/NDF: 27.0/26

All: -652.154+/-395.685 χ^2/NDF: 149.9/54

- sign -4598.462+/-559.121 χ^2/NDF: 23.2/27

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

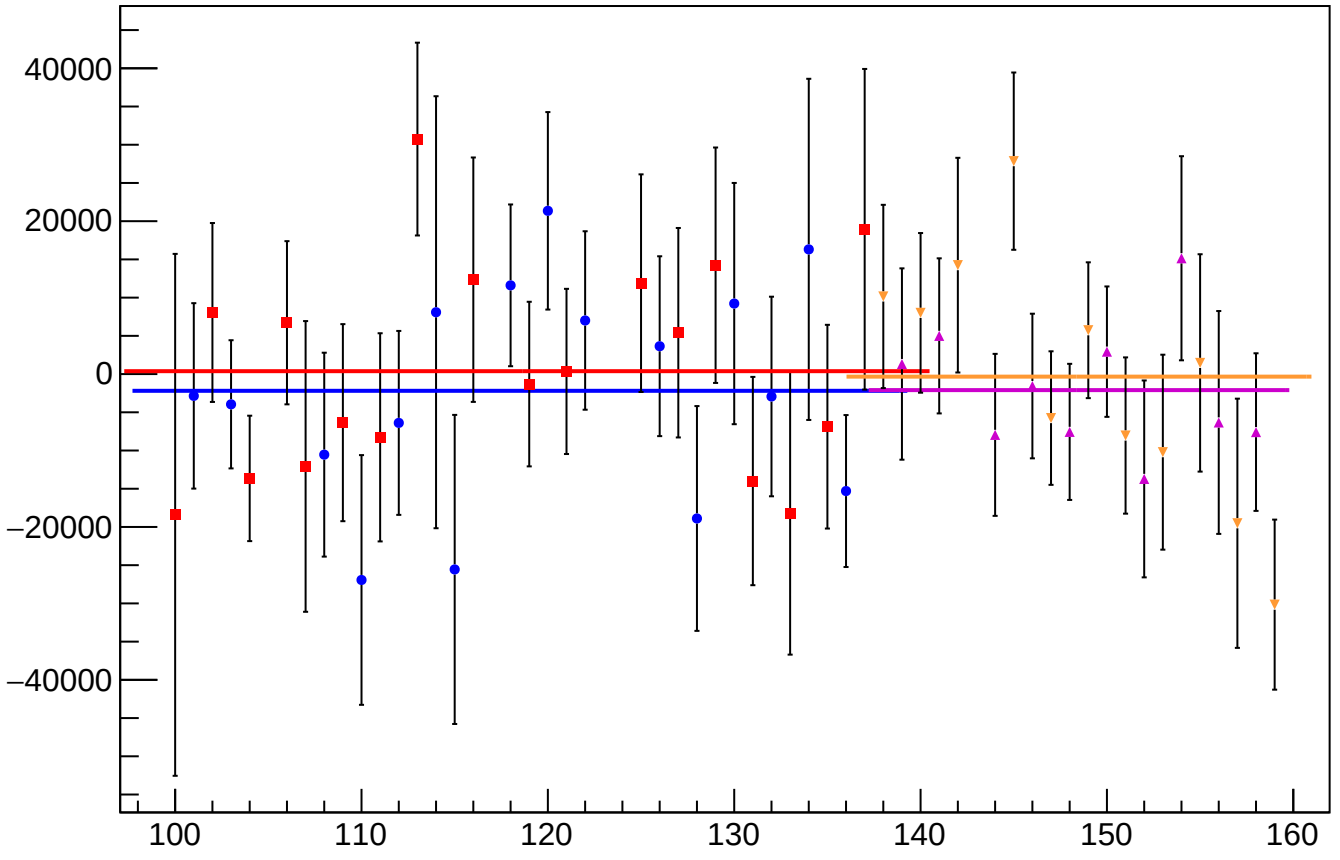
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

+ sign 2228.279+/-0.396 χ^2/NDF: 245641.7/26

All: 2222.978+/-0.279 χ^2/NDF: 459522.9/54

- sign 2217.720+/-0.394 χ^2/NDF: 213524.2/27



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -334.332+/-3391.613 χ^2/NDF:19.0/10

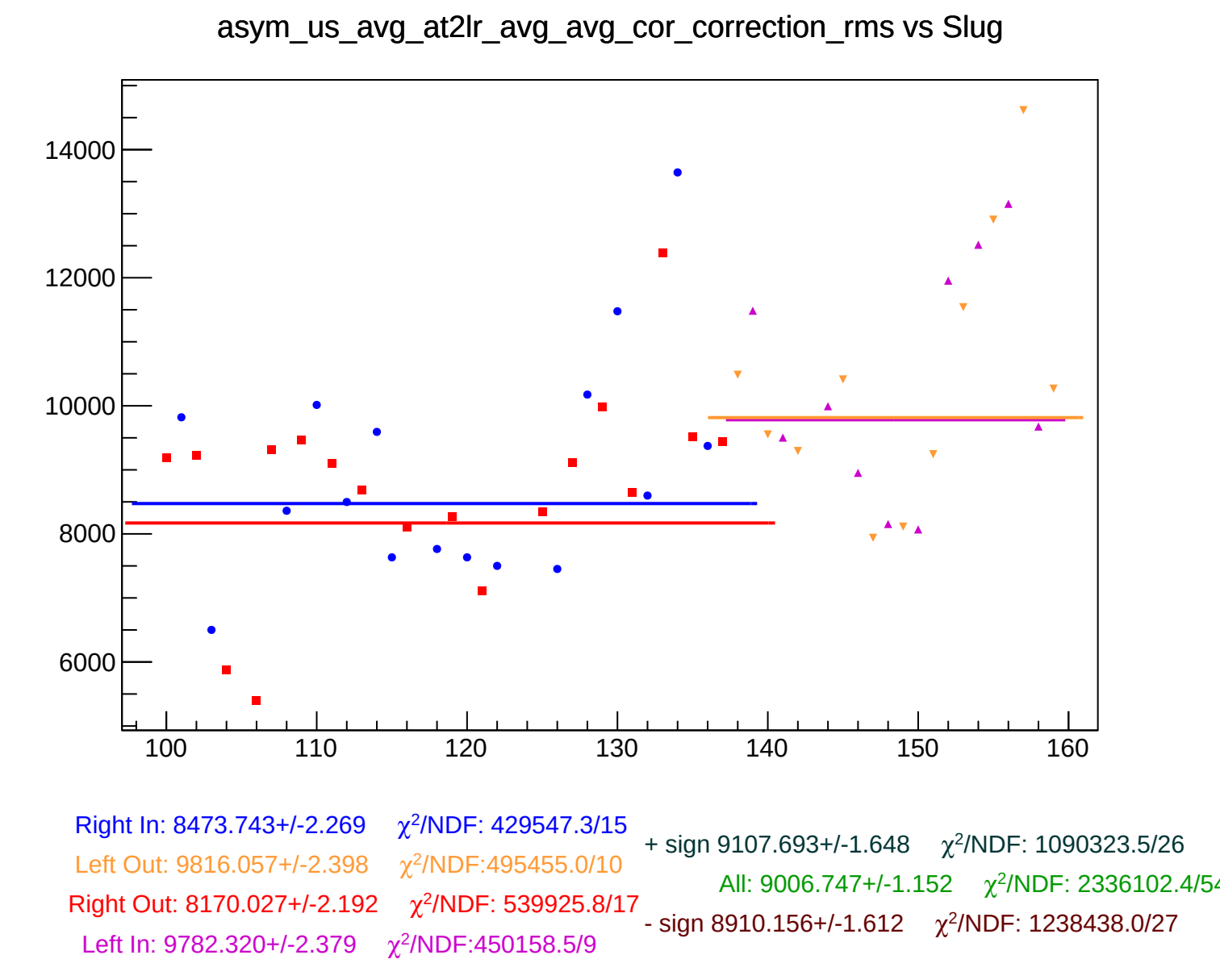
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

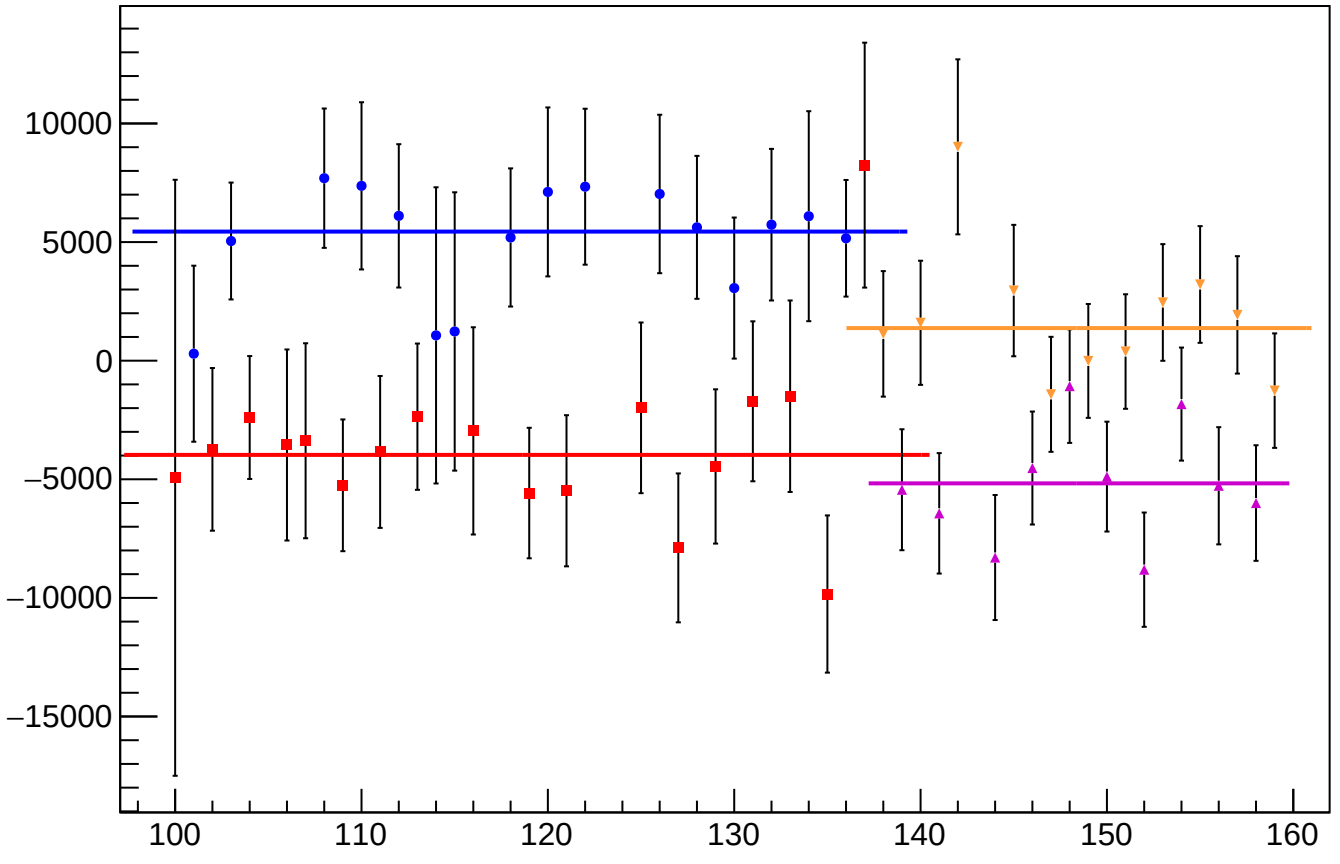
Left In: -2098.717+/-3365.121 χ^2/NDF:4.4/9

+ sign -1313.211+/-2330.808 χ^2/NDF: 33.6/26

All: -1029.628+/-1629.865 χ^2/NDF: 54.7/54

- sign -758.277+/-2279.987 χ^2/NDF: 21.0/27


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: 9782.320+/-2.379 χ²/NDF:450158.5/9
+ sign 9107.693+/-1.648 χ²/NDF: 1090323.5/26
All: 9006.747+/-1.152 χ²/NDF: 2336102.4/54
- sign 8910.156+/-1.612 χ²/NDF: 1238438.0/27



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

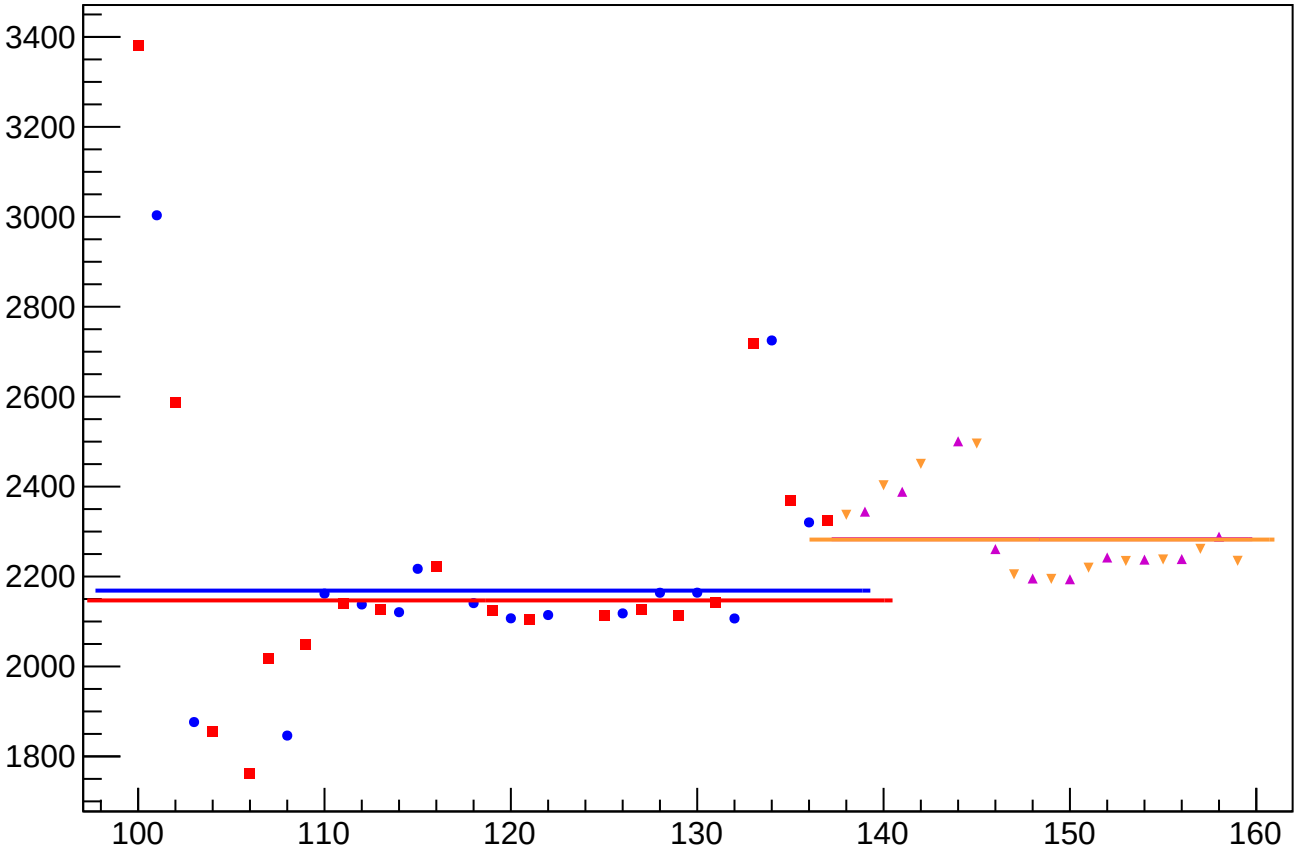
Left In: -5171.749+/-773.599 χ^2/NDF:9.1/9

+ sign 3307.240+/-560.047 χ^2/NDF: 27.0/26

All: -652.154+/-395.685 χ^2/NDF: 149.9/54

- sign -4598.462+/-559.121 χ^2/NDF: 23.2/27

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

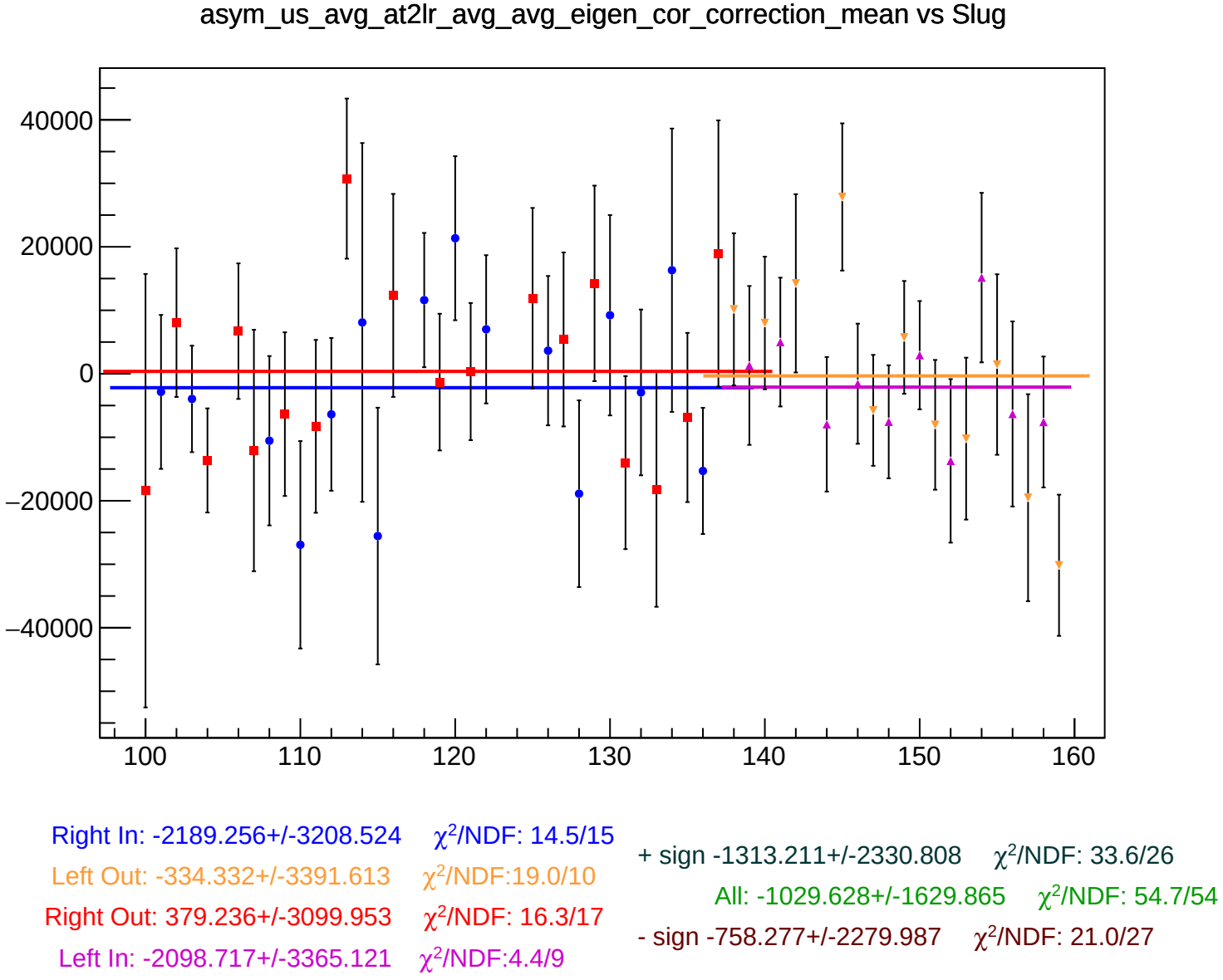
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

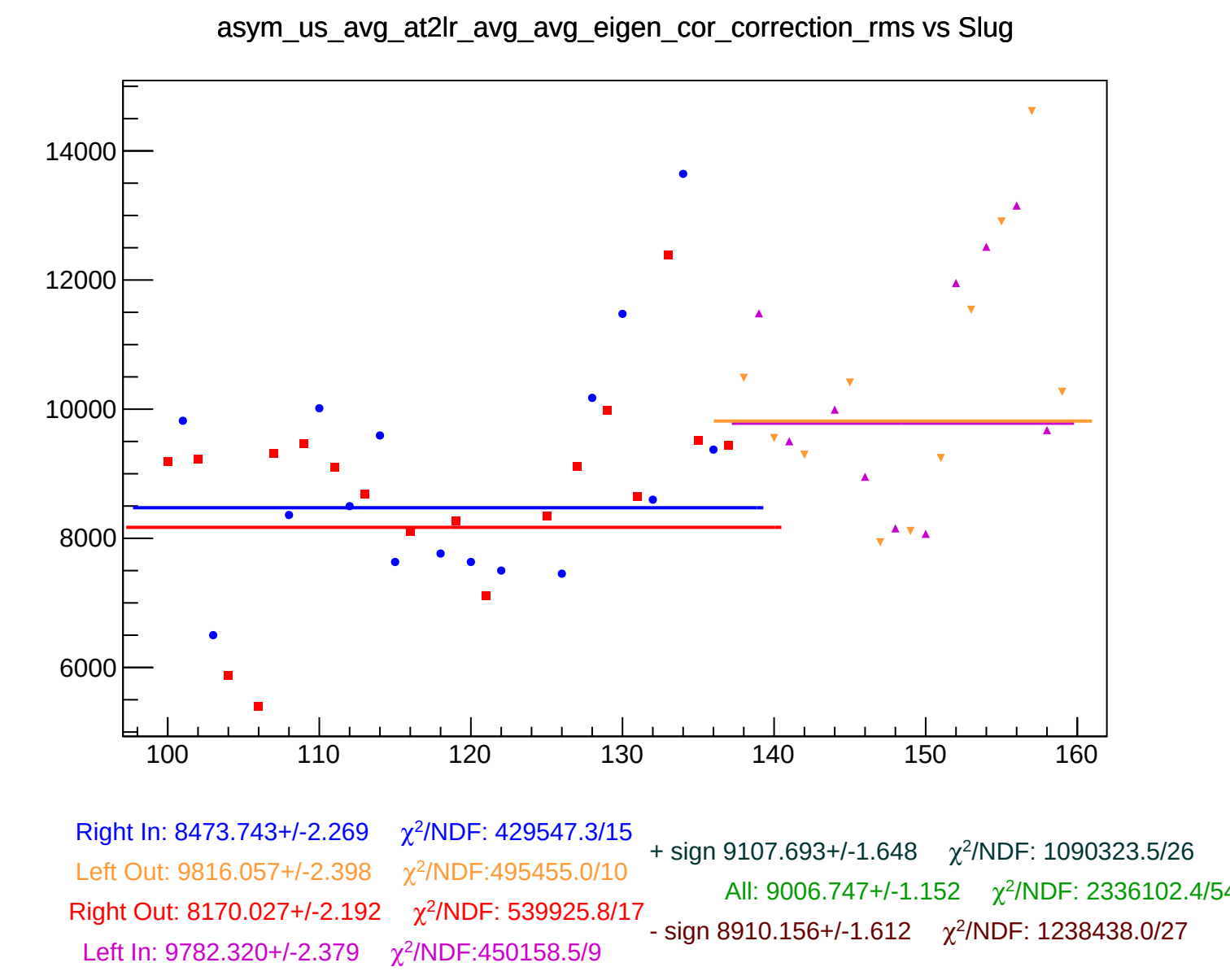
Left In: 2283.132+/-0.547 χ^2/NDF:25989.9/9

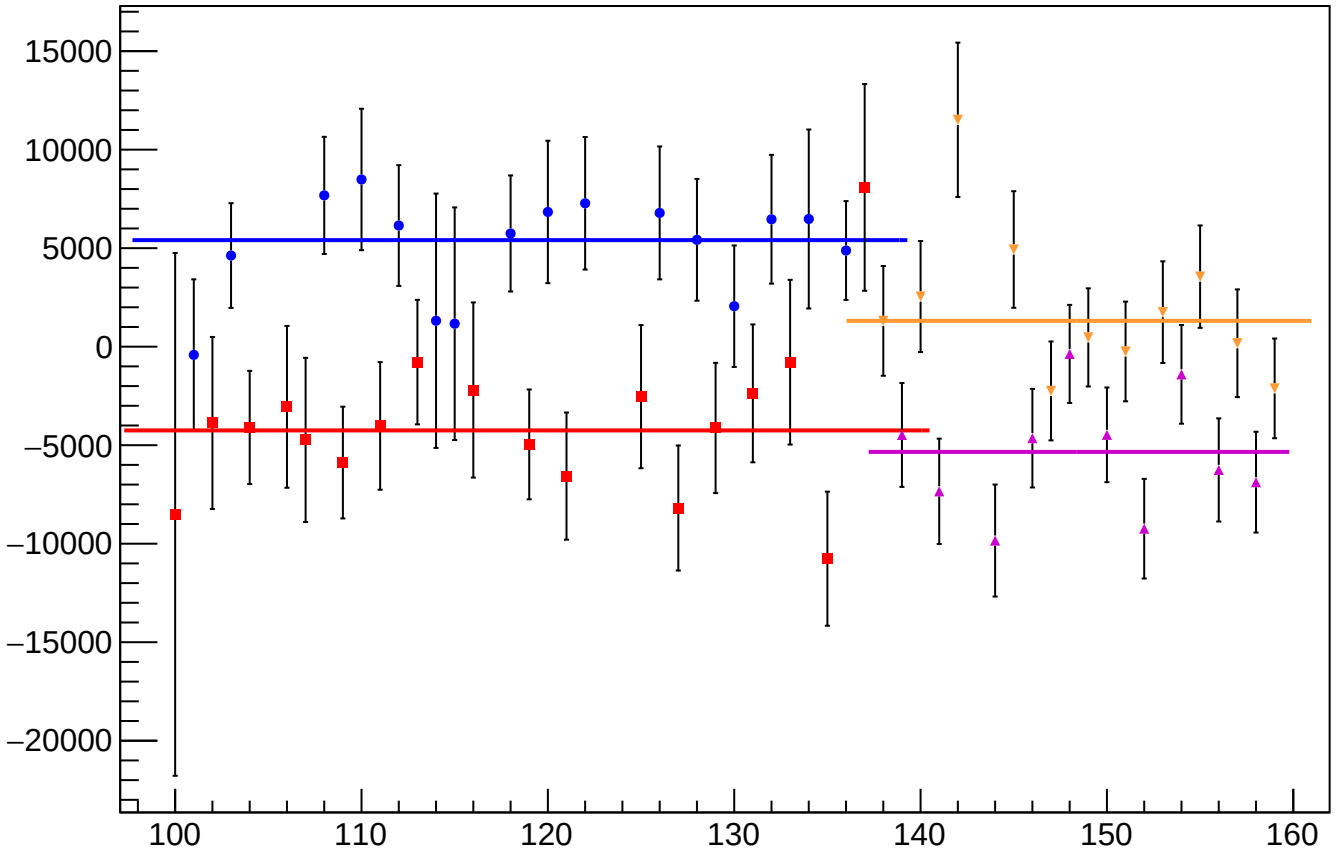
+ sign 2228.279+/-0.396 χ^2/NDF: 245641.7/26

All: 2222.978+/-0.279 χ^2/NDF: 459522.9/54

- sign 2217.720+/-0.394 χ^2/NDF: 213524.2/27


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: -2098.717+/-3365.121 χ²/NDF:4.4/9
+ sign -1313.211+/-2330.808 χ²/NDF: 33.6/26
All: -1029.628+/-1629.865 χ²/NDF: 54.7/54
- sign -758.277+/-2279.987 χ²/NDF: 21.0/27


asym_us_avg_at2lr_avg_avg_eigen_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: 9782.320+/-2.379 χ²/NDF:450158.5/9
+ sign 9107.693+/-1.648 χ²/NDF: 1090323.5/26
All: 9006.747+/-1.152 χ²/NDF: 2336102.4/54
- sign 8910.156+/-1.612 χ²/NDF: 1238438.0/27



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1312.351+/-816.783 χ^2/NDF:13.8/10

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

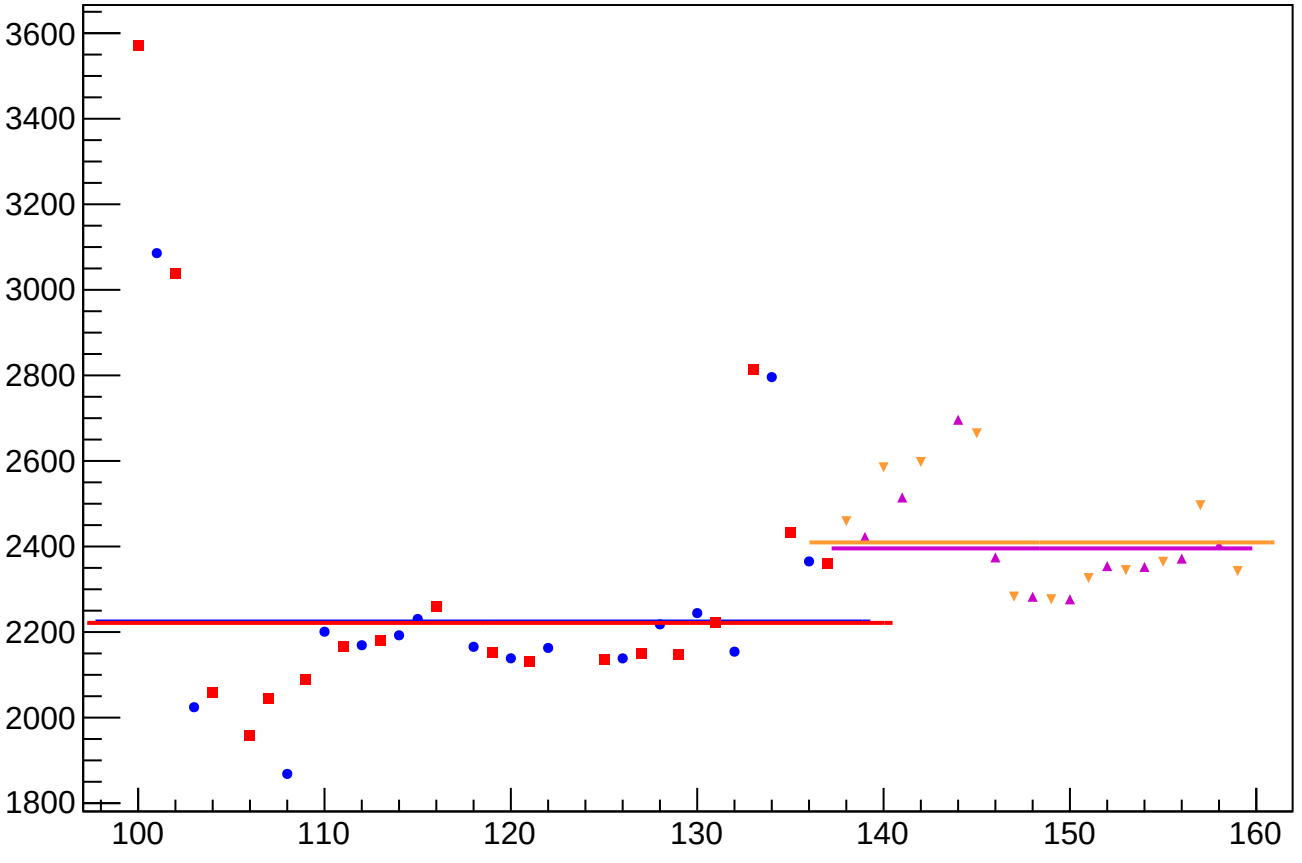
Left In: -5340.344+/-812.052 χ^2/NDF:12.7/9

+ sign 3318.165+/-583.438 χ^2/NDF: 32.8/26

All: -746.255+/-412.615 χ^2/NDF: 157.9/54

- sign -4813.132+/-583.615 χ^2/NDF: 28.0/27

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

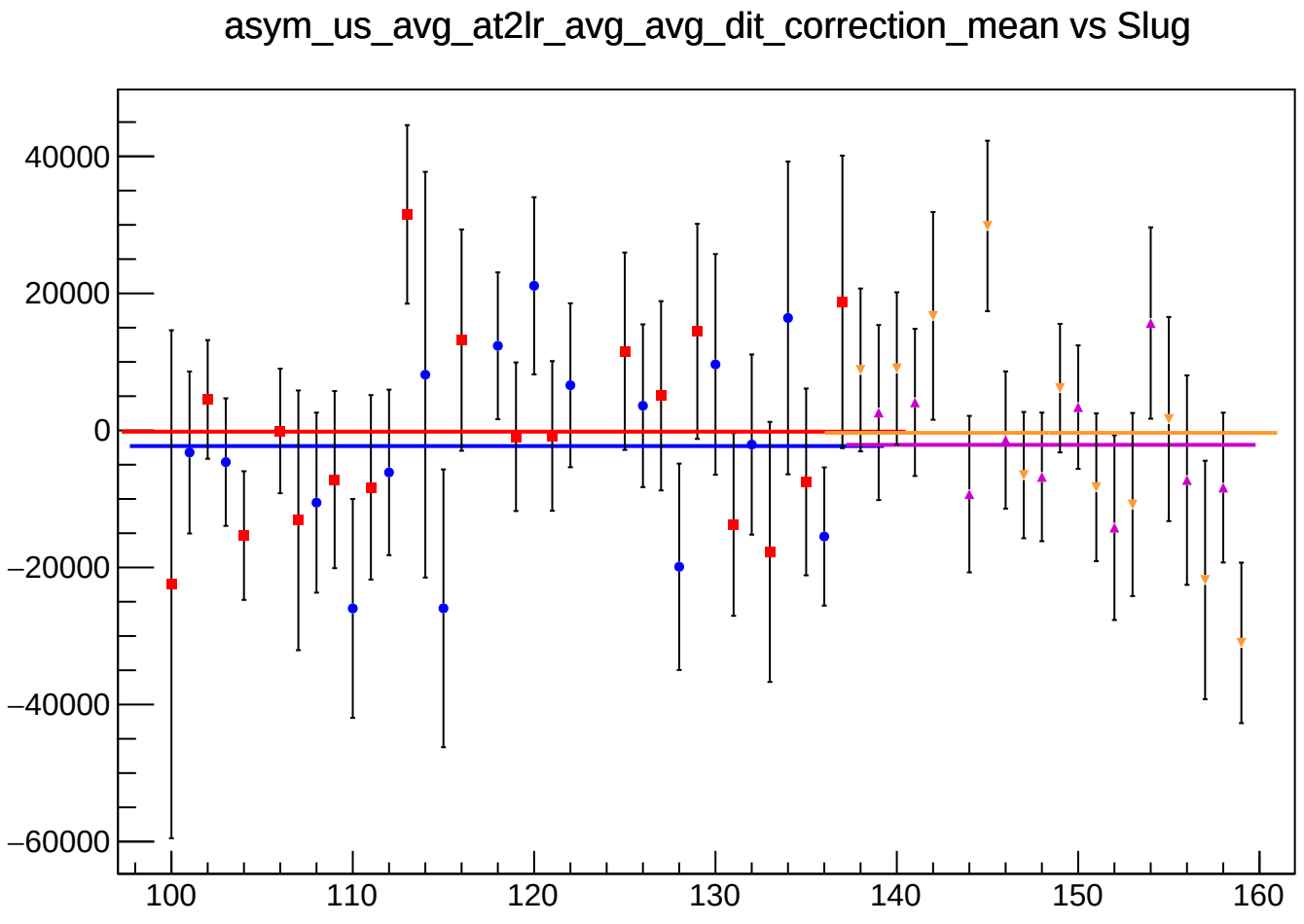
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2395.534+/-0.574 χ^2/NDF:37063.4/9

+ sign 2318.983+/-0.413 χ^2/NDF: 281008.9/26

All: 2315.143+/-0.292 χ^2/NDF: 532669.8/54

- sign 2311.302+/-0.413 χ^2/NDF: 251487.6/27



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -350.895+/-3570.136 χ^2/NDF:18.9/10

Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

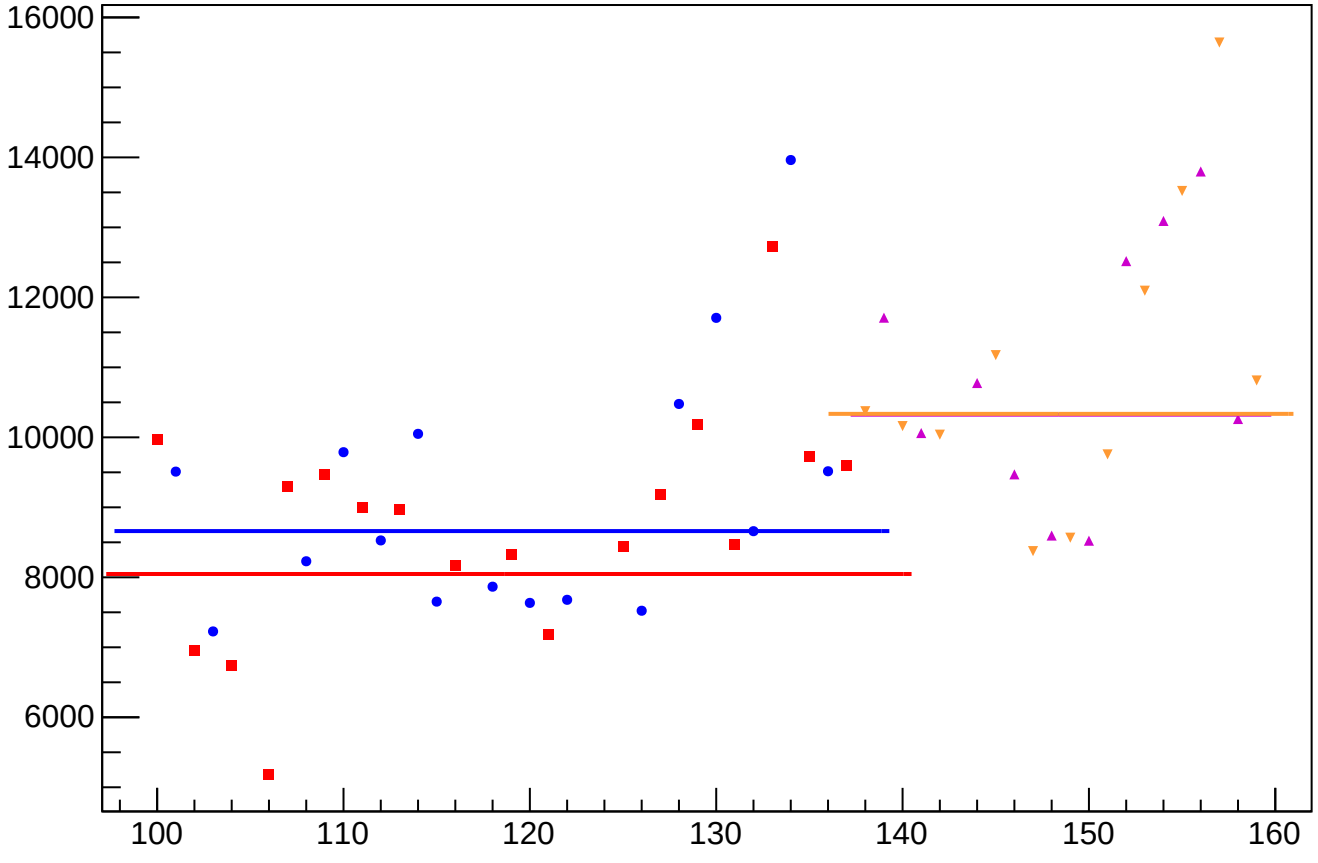
Left In: -2103.294+/-3549.065 χ^2/NDF:4.4/9

+ sign -1398.572+/-2412.078 χ^2/NDF: 33.6/26

All: -1185.581+/-1667.117 χ^2/NDF: 53.8/54

- sign -990.783+/-2306.764 χ^2/NDF: 20.2/27

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

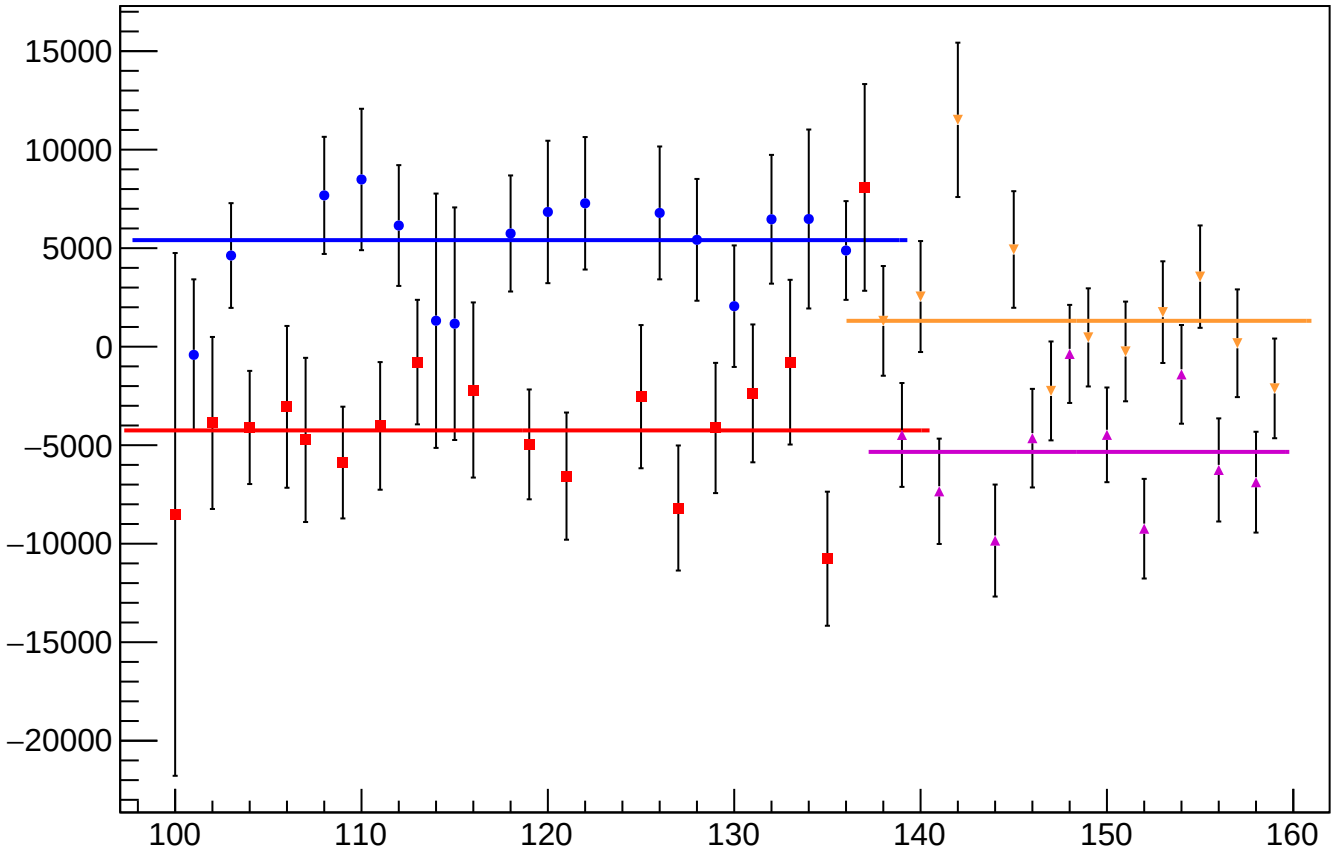
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10324.009+/-2.510 χ^2/NDF:424939.9/9

+ sign 9425.216+/-1.706 χ^2/NDF: 1090609.7/26

All: 9207.925+/-1.179 χ^2/NDF: 2580457.0/54

- sign 9009.195+/-1.631 χ^2/NDF: 1458772.8/27



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

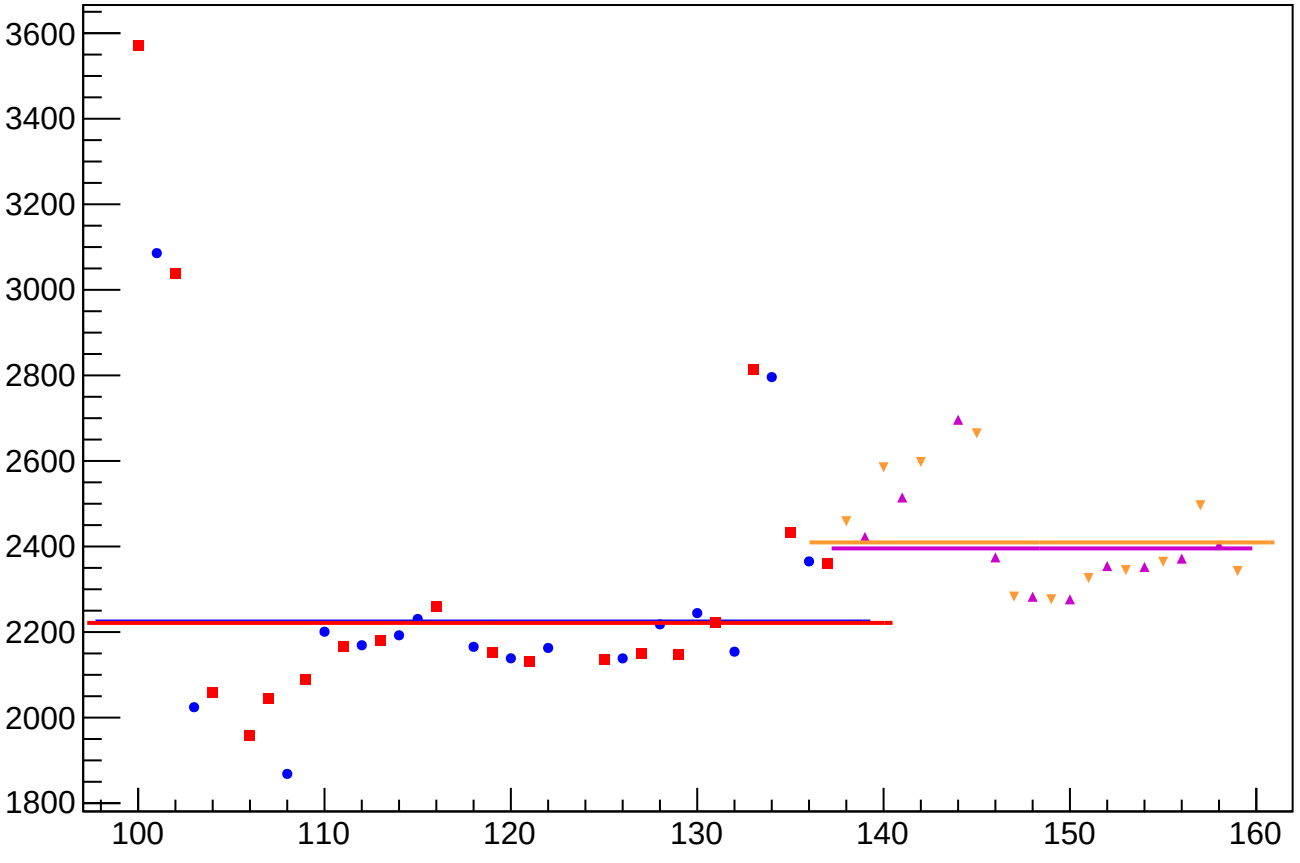
Left In: -5340.345+/-812.053 χ^2/NDF:12.7/9

+ sign 3318.162+/-583.439 χ^2/NDF: 32.8/26

All: -746.258+/-412.616 χ^2/NDF: 157.9/54

- sign -4813.134+/-583.615 χ^2/NDF: 28.0/27

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

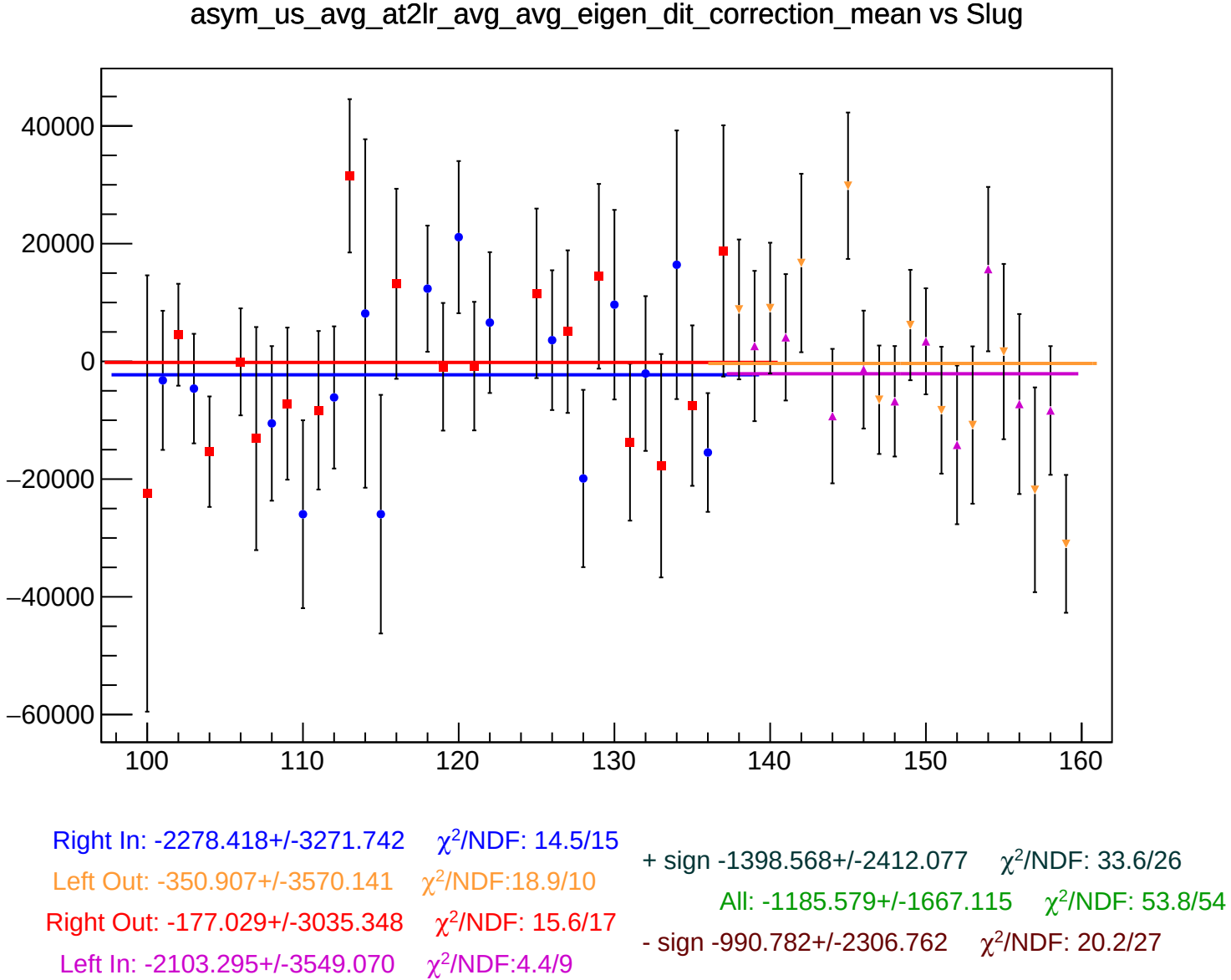
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2395.538+/-0.574 χ^2/NDF:37063.7/9

+ sign 2318.984+/-0.413 χ^2/NDF: 281011.8/26

All: 2315.144+/-0.292 χ^2/NDF: 532674.9/54

- sign 2311.303+/-0.413 χ^2/NDF: 251489.8/27


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug
40000
20000
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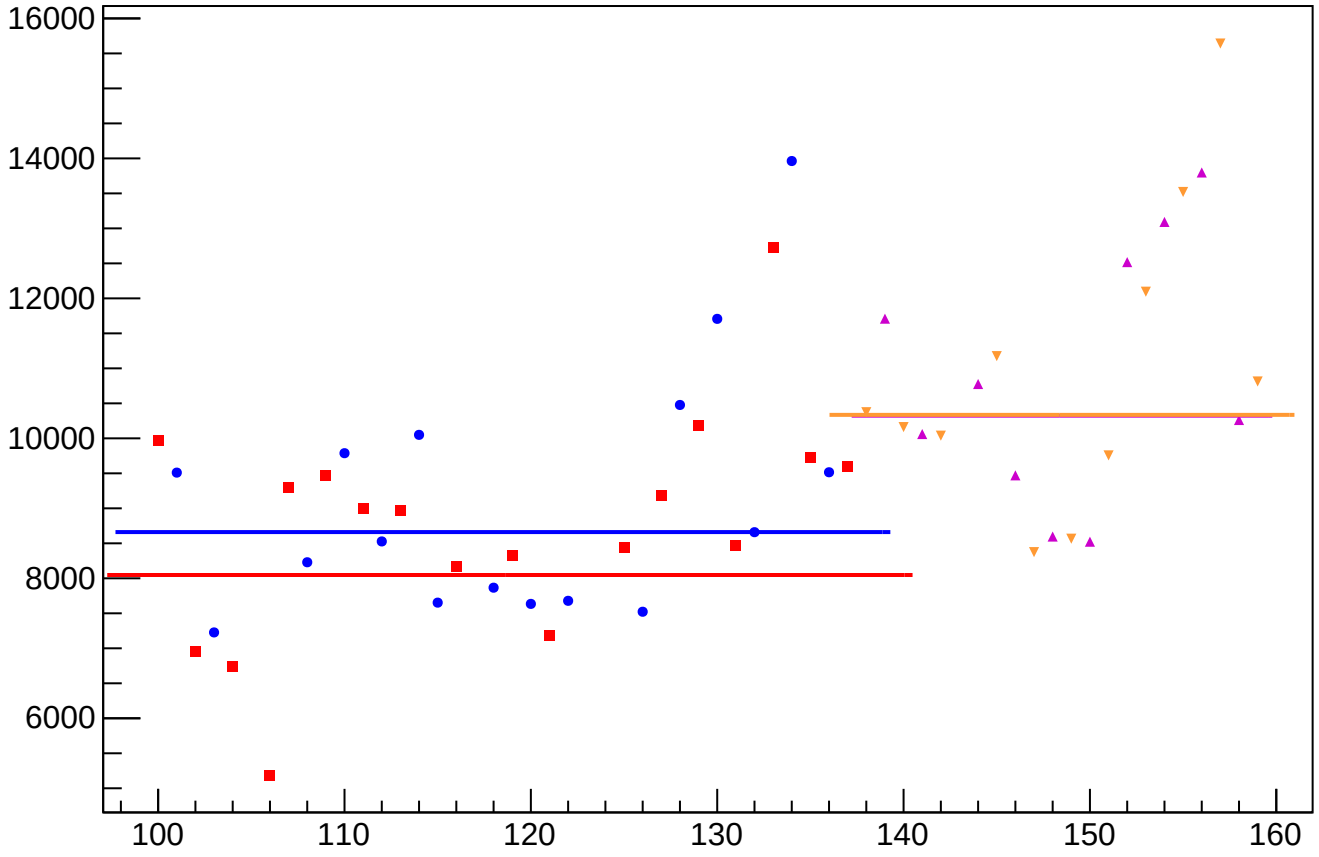
−20000
−40000
−60000
100
110
120
130
140
150
160
Right In: -2278.418+/-3271.742 χ²/NDF: 14.5/15
Left Out: -350.907+/-3570.141 χ²/NDF:18.9/10
Right Out: -177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: -2103.295+/-3549.070 χ²/NDF:4.4/9
+ sign -1398.568+/-2412.077 χ²/NDF: 33.6/26
All: -1185.579+/-1667.115 χ²/NDF: 53.8/54
- sign -990.782+/-2306.762 χ²/NDF: 20.2/27



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10335.515+/-2.524 χ^2/NDF:493431.5/10

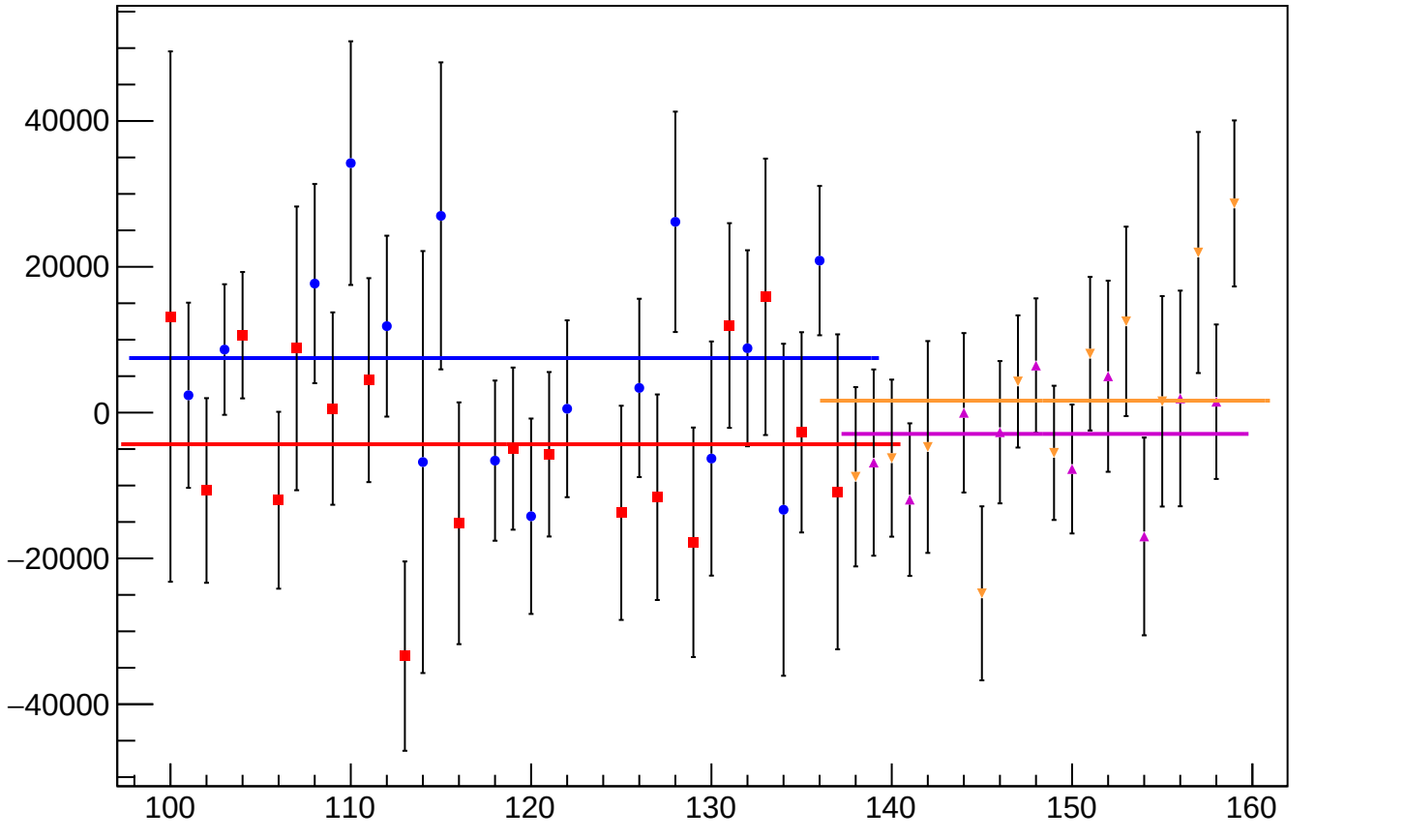
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10324.023+/-2.510 χ^2/NDF:424940.4/9

+ sign 9425.208+/-1.706 χ^2/NDF: 1090623.3/26

All: 9207.917+/-1.179 χ^2/NDF: 2580482.9/54

- sign 9009.186+/-1.631 χ^2/NDF: 1458785.1/27



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

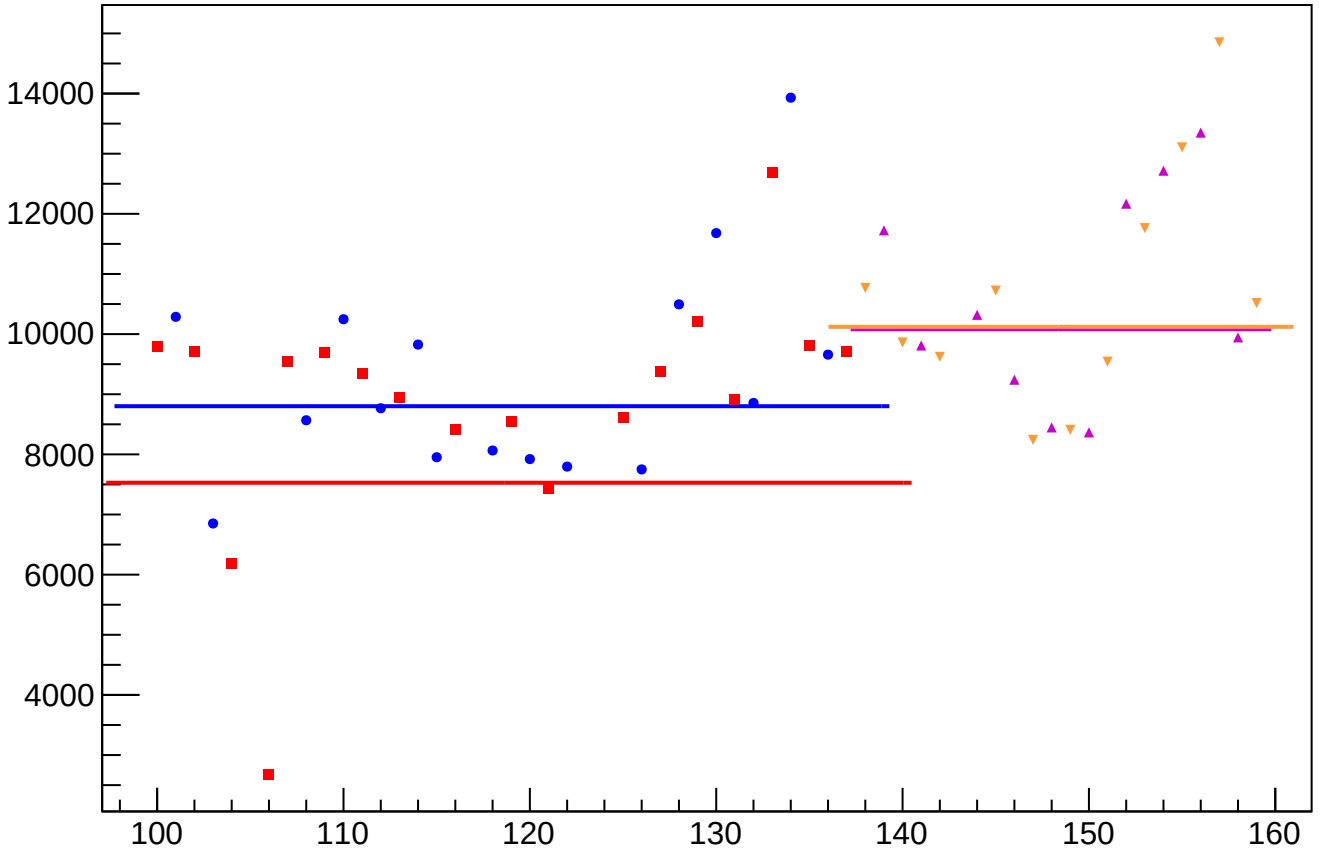
Left In: -2920.503+/-3462.549 χ^2/NDF:4.0/9

+ sign 4697.420+/-2409.913 χ^2/NDF: 30.8/26

All: 435.272+/-1688.621 χ^2/NDF: 55.3/54

- sign -3675.784+/-2366.812 χ^2/NDF: 18.3/27

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

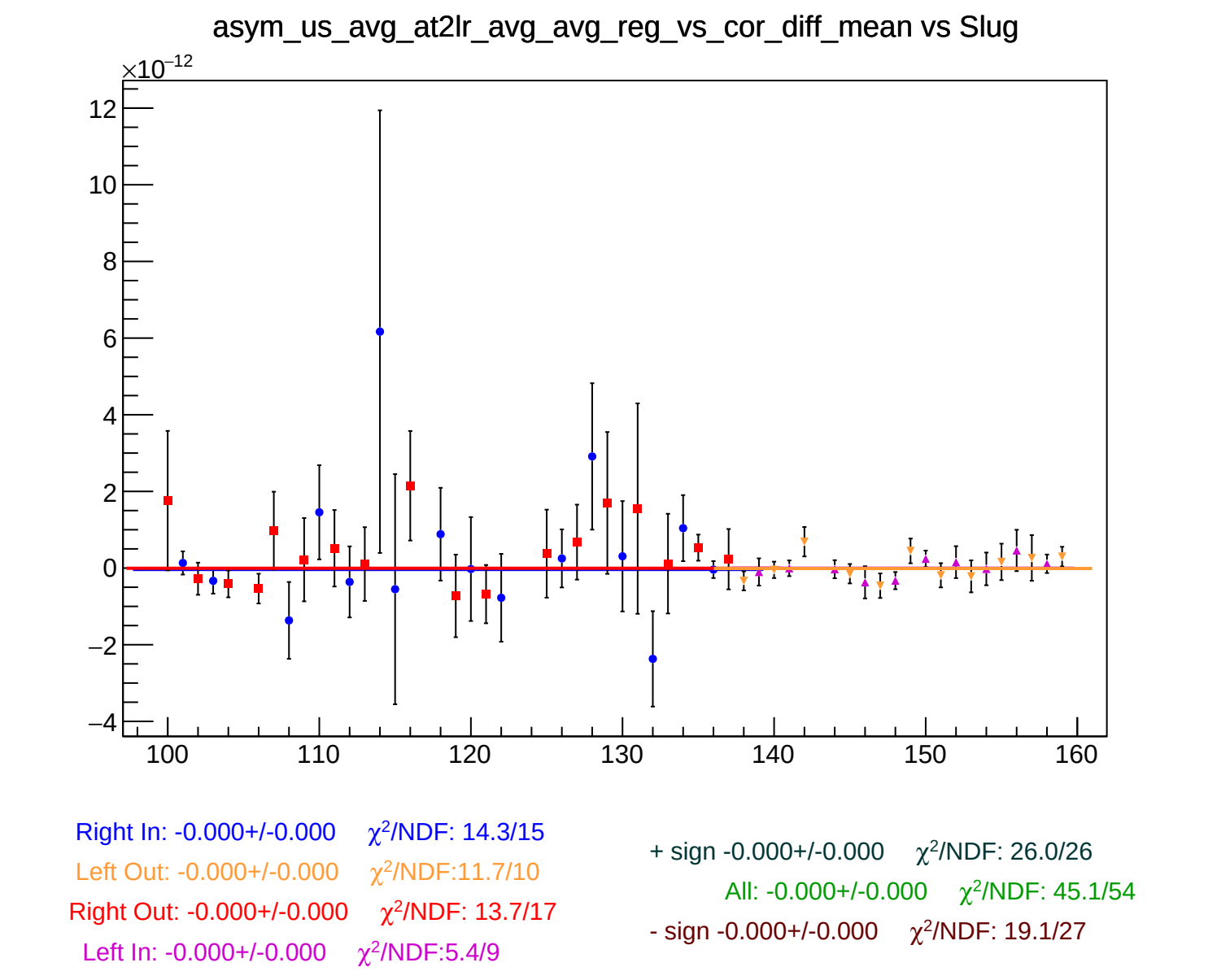
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10079.466+/-2.448 χ^2/NDF:412518.8/9

+ sign 9429.929+/-1.704 χ^2/NDF: 1002983.3/26

All: 9004.268+/-1.169 χ^2/NDF: 3809296.8/54

- sign 8626.055+/-1.606 χ^2/NDF: 2688475.6/27


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
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8
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4
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0
−2
−4
100
110
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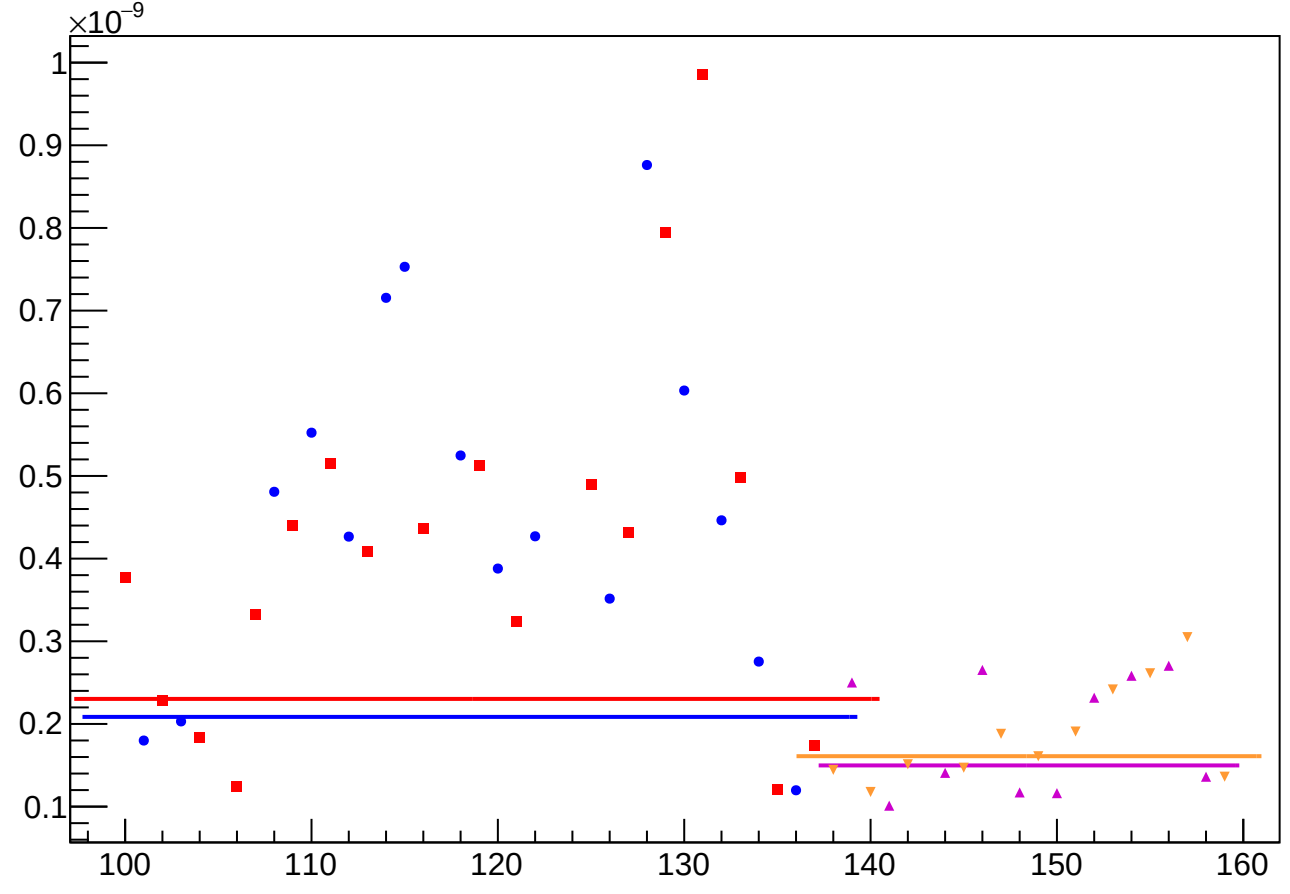
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: -0.000+/-0.000 χ²/NDF:11.7/10
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/17
Left In: -0.000+/-0.000 χ²/NDF:5.4/9
+ sign -0.000+/-0.000 χ²/NDF: 26.0/26
All: -0.000+/-0.000 χ²/NDF: 45.1/54
- sign -0.000+/-0.000 χ²/NDF: 19.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:429315.3/10

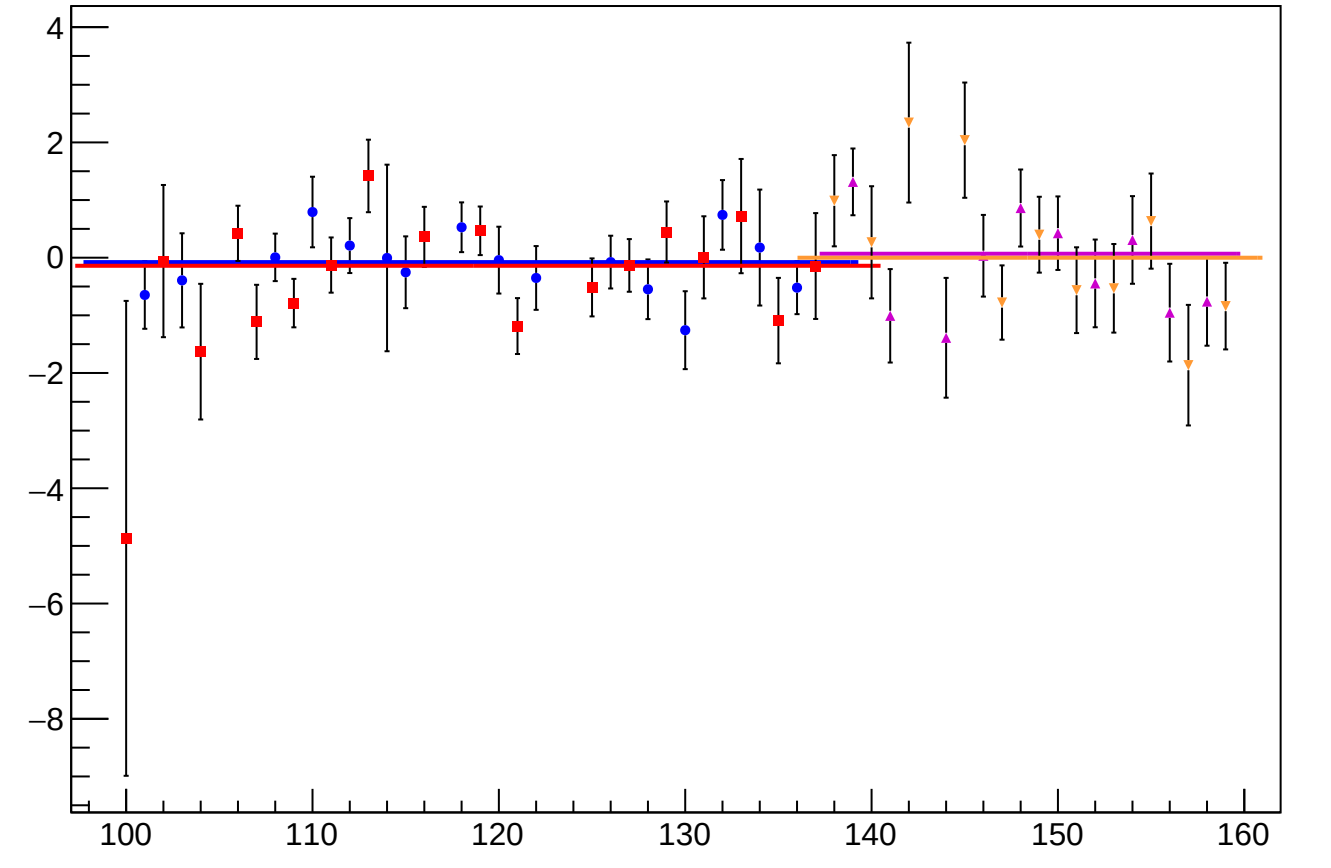
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:831263.5/9

\+ sign 0.000+/-0.000 χ^2/NDF: 2219799.8/26

All: 0.000+/-0.000 χ^2/NDF: 5020043.8/54

\- sign 0.000+/-0.000 χ^2/NDF: 2794313.1/27



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.001+/-0.246 χ^2/NDF:16.5/10

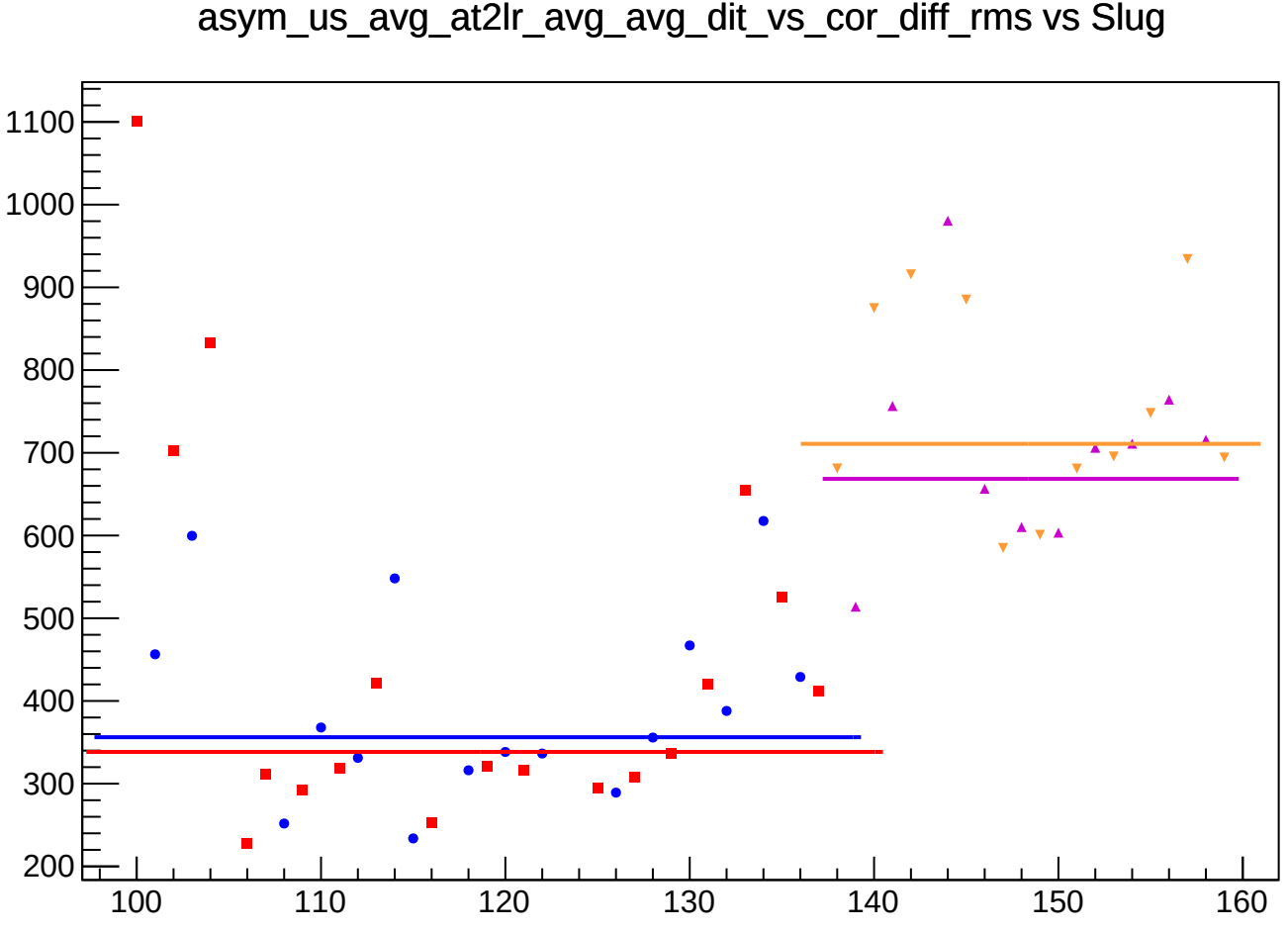
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.069+/-0.231 χ^2/NDF:13.3/9

+ sign -0.058+/-0.122 χ^2/NDF: 29.1/26

All: -0.072+/-0.085 χ^2/NDF: 70.0/54

- sign -0.086+/-0.119 χ^2/NDF: 40.9/27



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 710.807+/-0.174 χ^2/NDF:396656.3/10

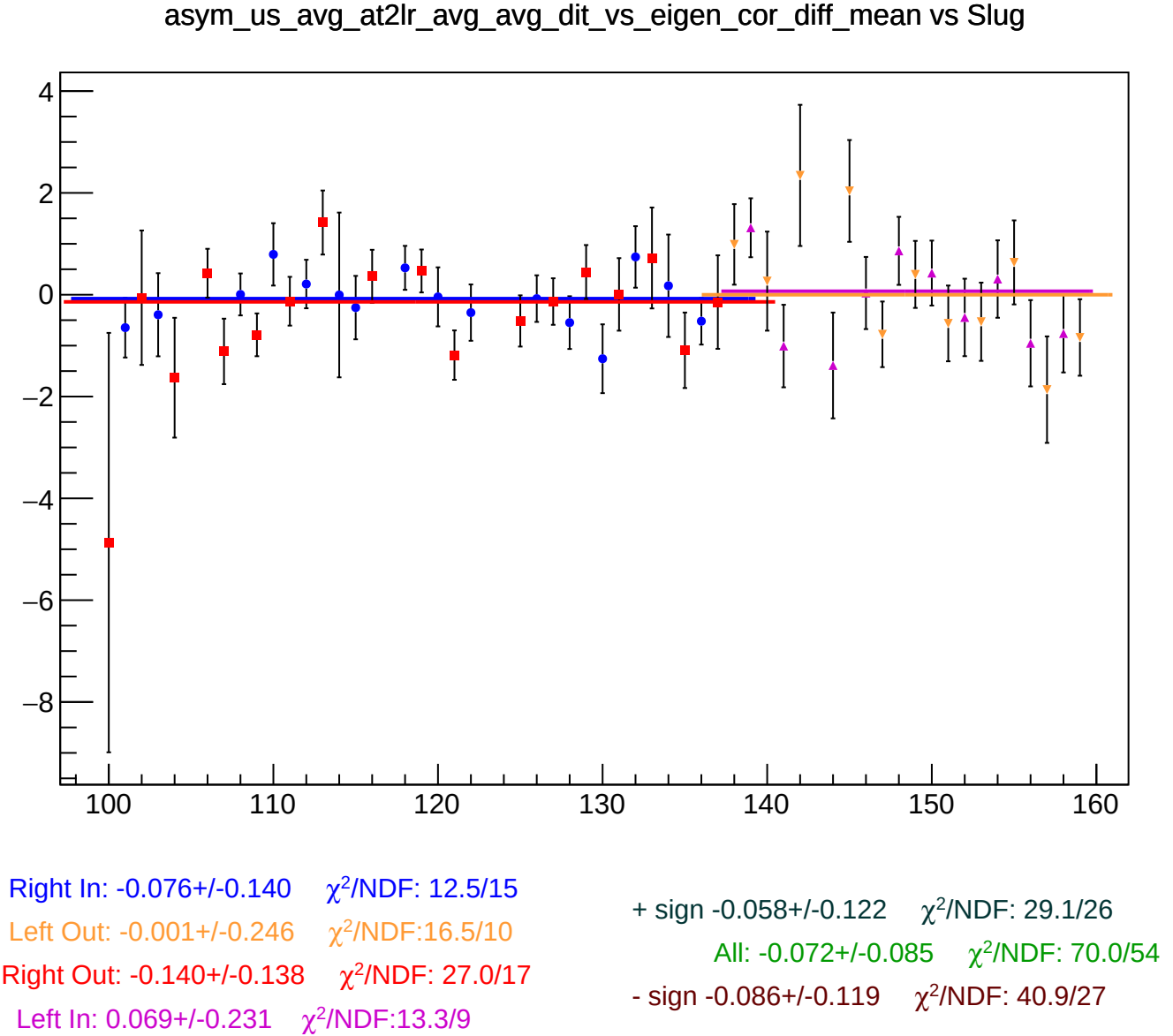
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 668.529+/-0.164 χ^2/NDF:427142.2/9

+ sign 442.922+/-0.086 χ^2/NDF: 4324671.9/26

All: 433.719+/-0.060 χ^2/NDF: 8979850.5/54

- sign 424.977+/-0.084 χ^2/NDF: 4632837.2/27


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
4
2
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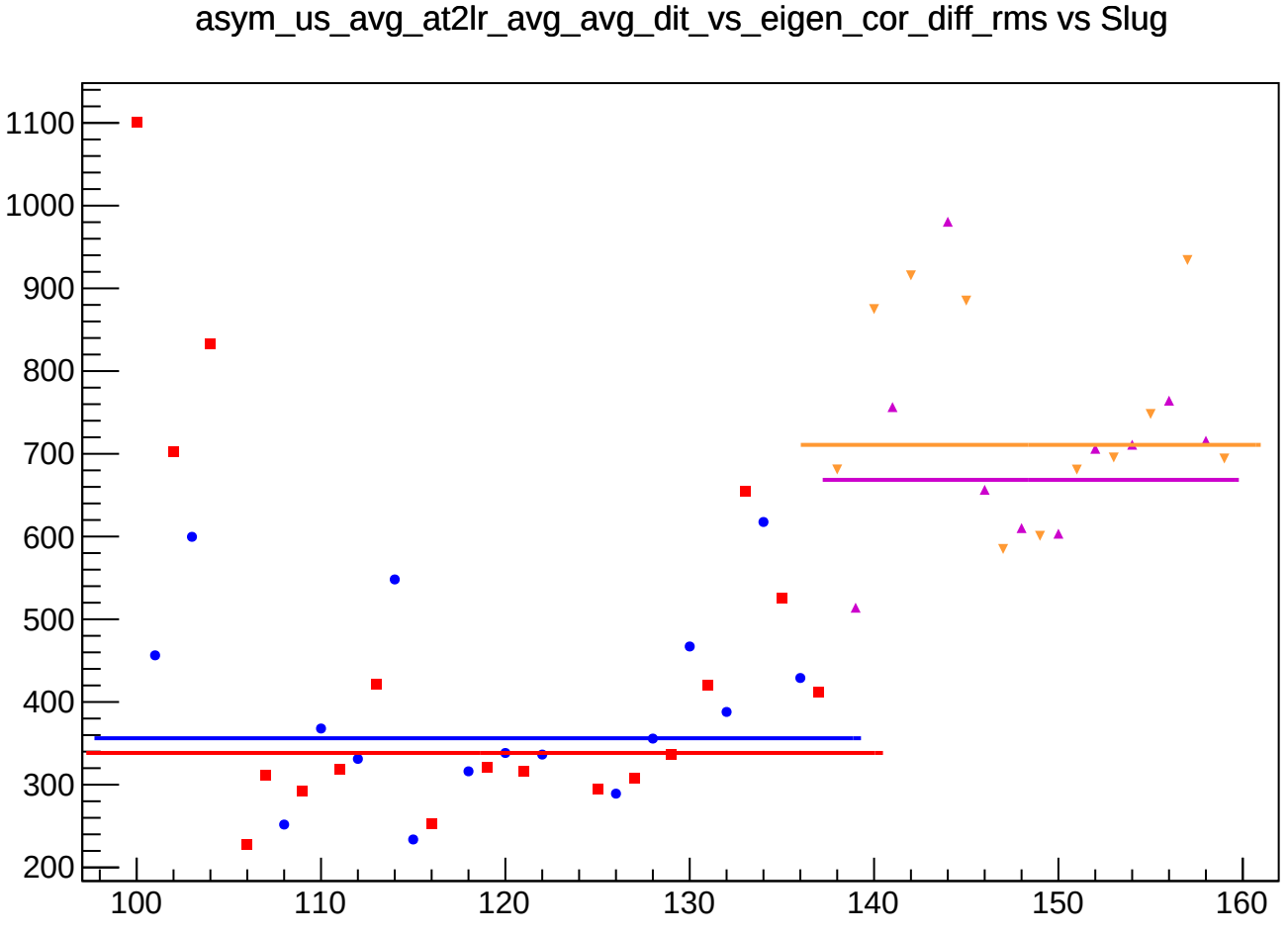
−2
−4
−6
−8
100
110
120
130
140
150
160
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.001+/-0.246 χ²/NDF:16.5/10
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.069+/-0.231 χ²/NDF:13.3/9
+ sign -0.058+/-0.122 χ²/NDF: 29.1/26
All: -0.072+/-0.085 χ²/NDF: 70.0/54
- sign -0.086+/-0.119 χ²/NDF: 40.9/27



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 710.807+/-0.174 χ^2/NDF:396656.3/10

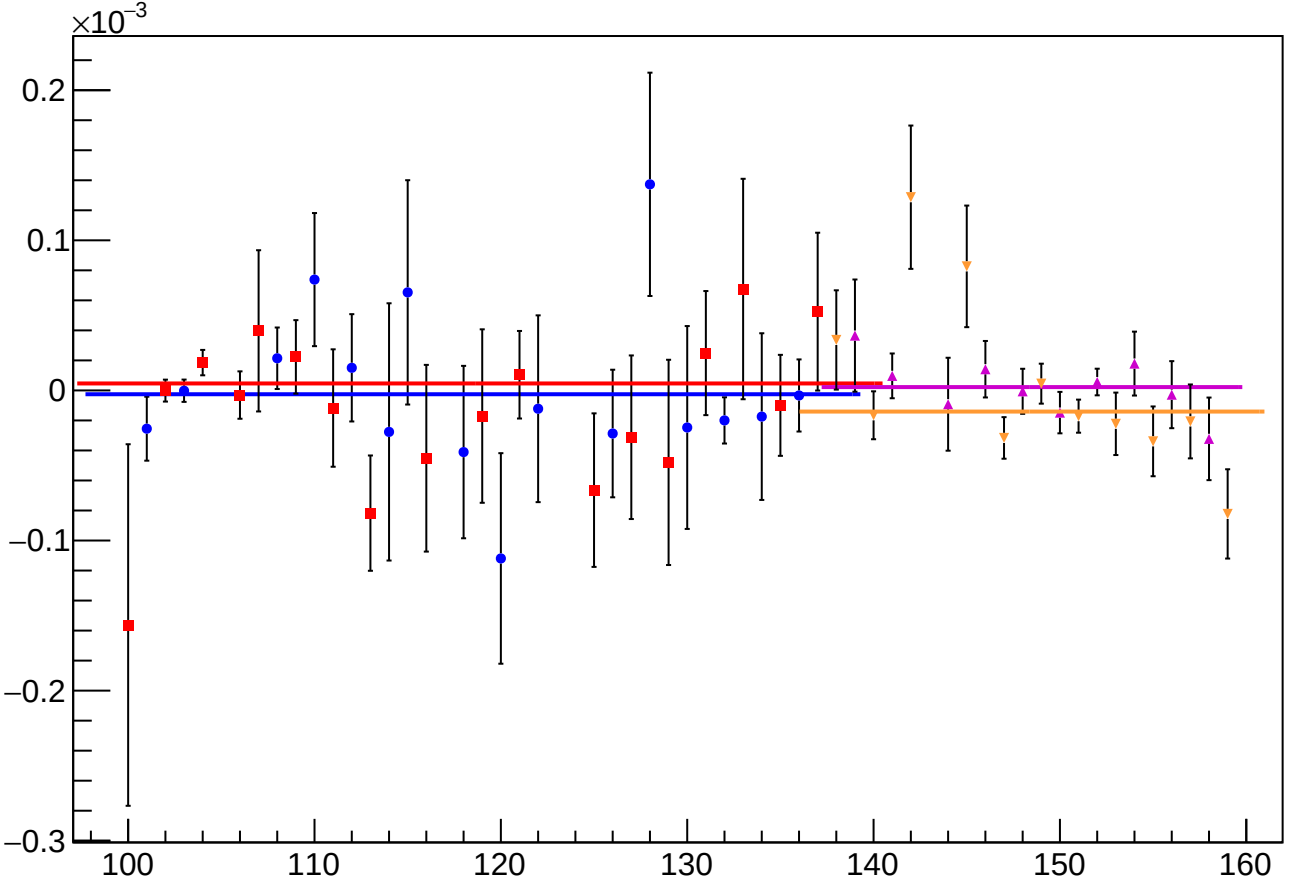
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 668.529+/-0.164 χ^2/NDF:427142.2/9

+ sign 442.922+/-0.086 χ^2/NDF: 4324671.9/26

All: 433.719+/-0.060 χ^2/NDF: 8979850.5/54

- sign 424.977+/-0.084 χ^2/NDF: 4632837.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/10

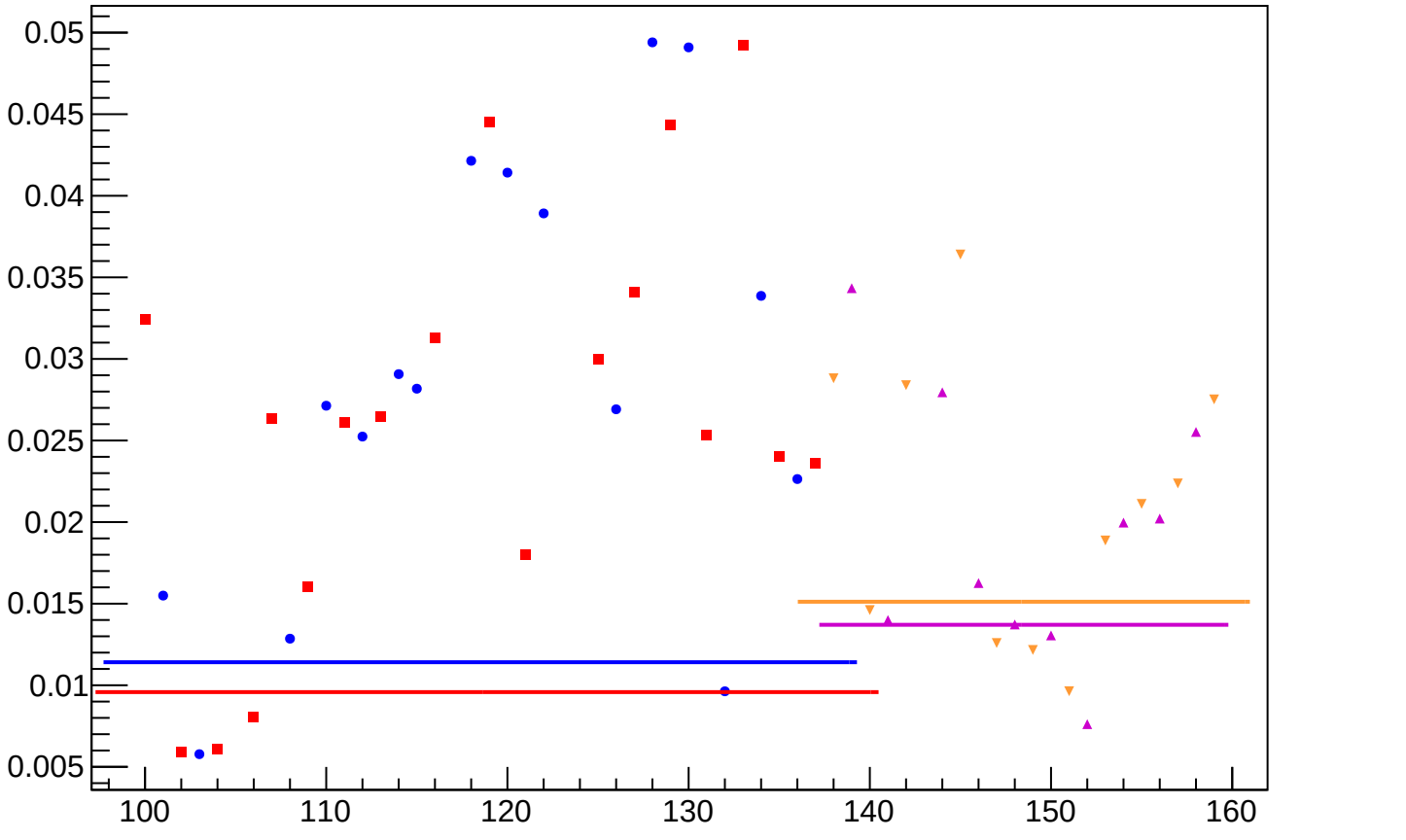
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/26

All: -0.000+/-0.000 χ^2/NDF: 71.5/54

- sign 0.000+/-0.000 χ^2/NDF: 22.7/27



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:2431878.3/10

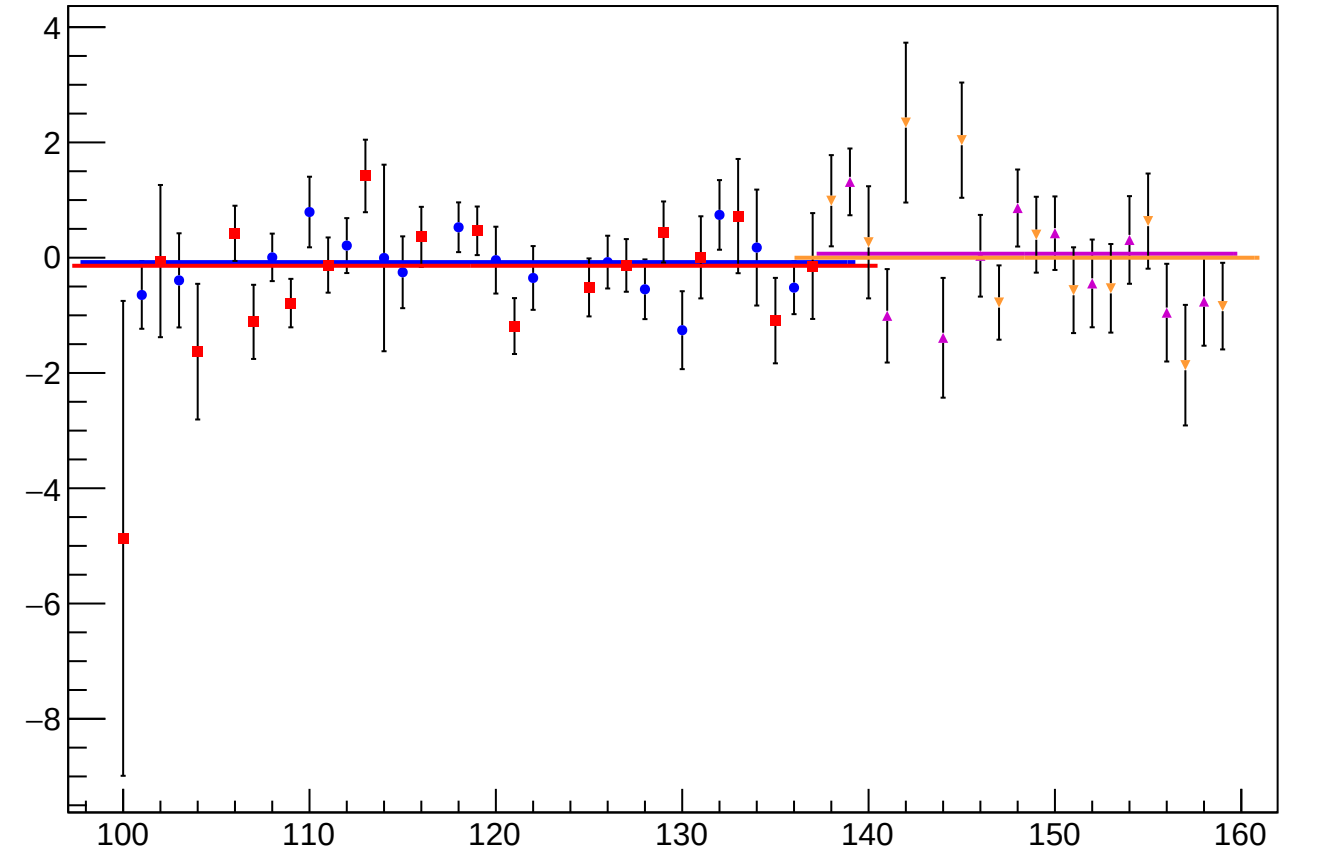
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:2730104.6/9

+ sign 0.013+/-0.000 χ^2/NDF: 8373781.2/26

All: 0.012+/-0.000 χ^2/NDF: 17816421.9/54

- sign 0.011+/-0.000 χ^2/NDF: 9207408.6/27



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.001+/-0.246 χ^2/NDF:16.5/10

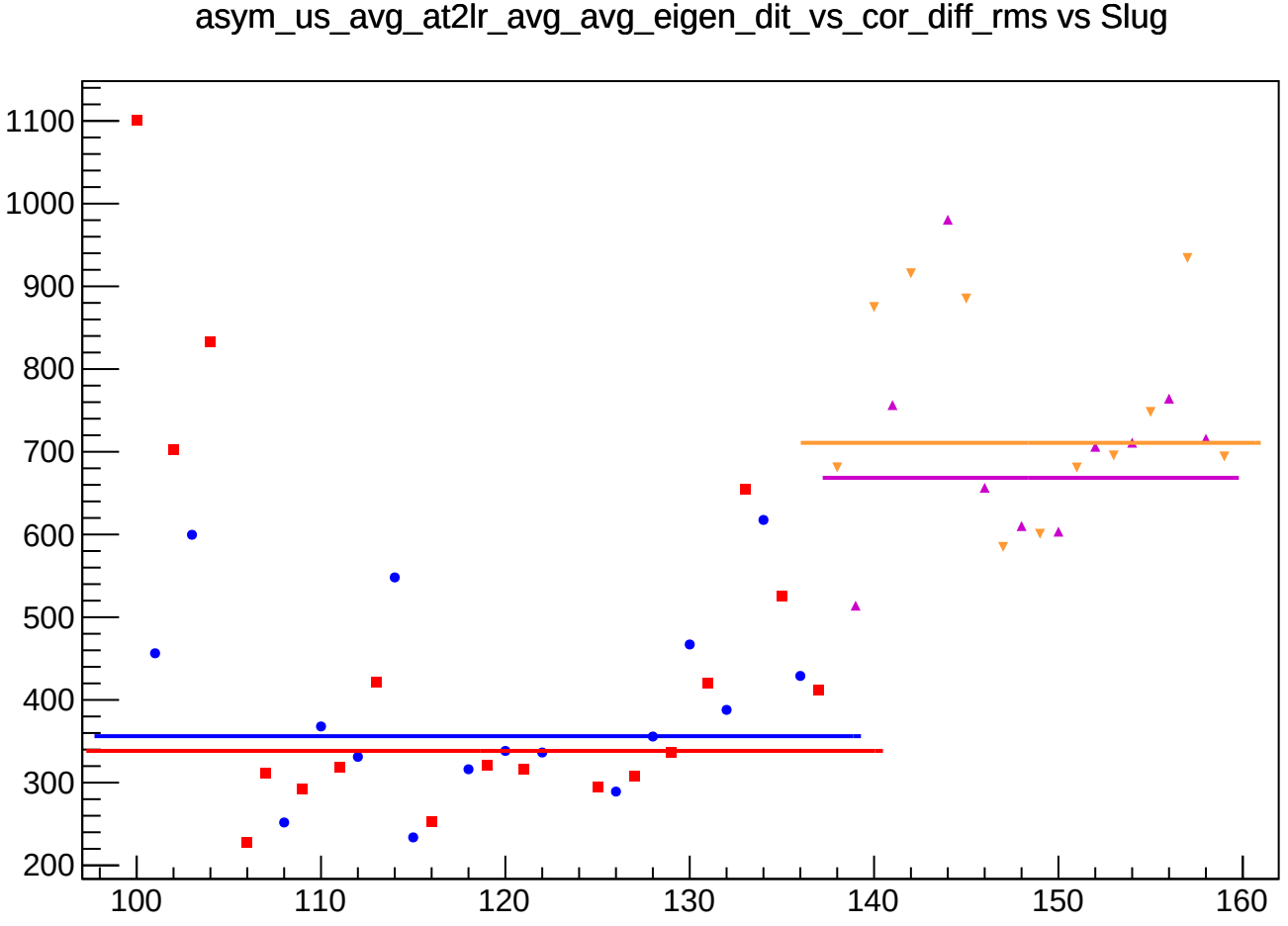
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.069+/-0.231 χ^2/NDF:13.3/9

+ sign -0.058+/-0.122 χ^2/NDF: 29.1/26

All: -0.072+/-0.085 χ^2/NDF: 70.0/54

- sign -0.086+/-0.119 χ^2/NDF: 40.9/27



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 710.816+/-0.174 χ^2/NDF:396666.3/10

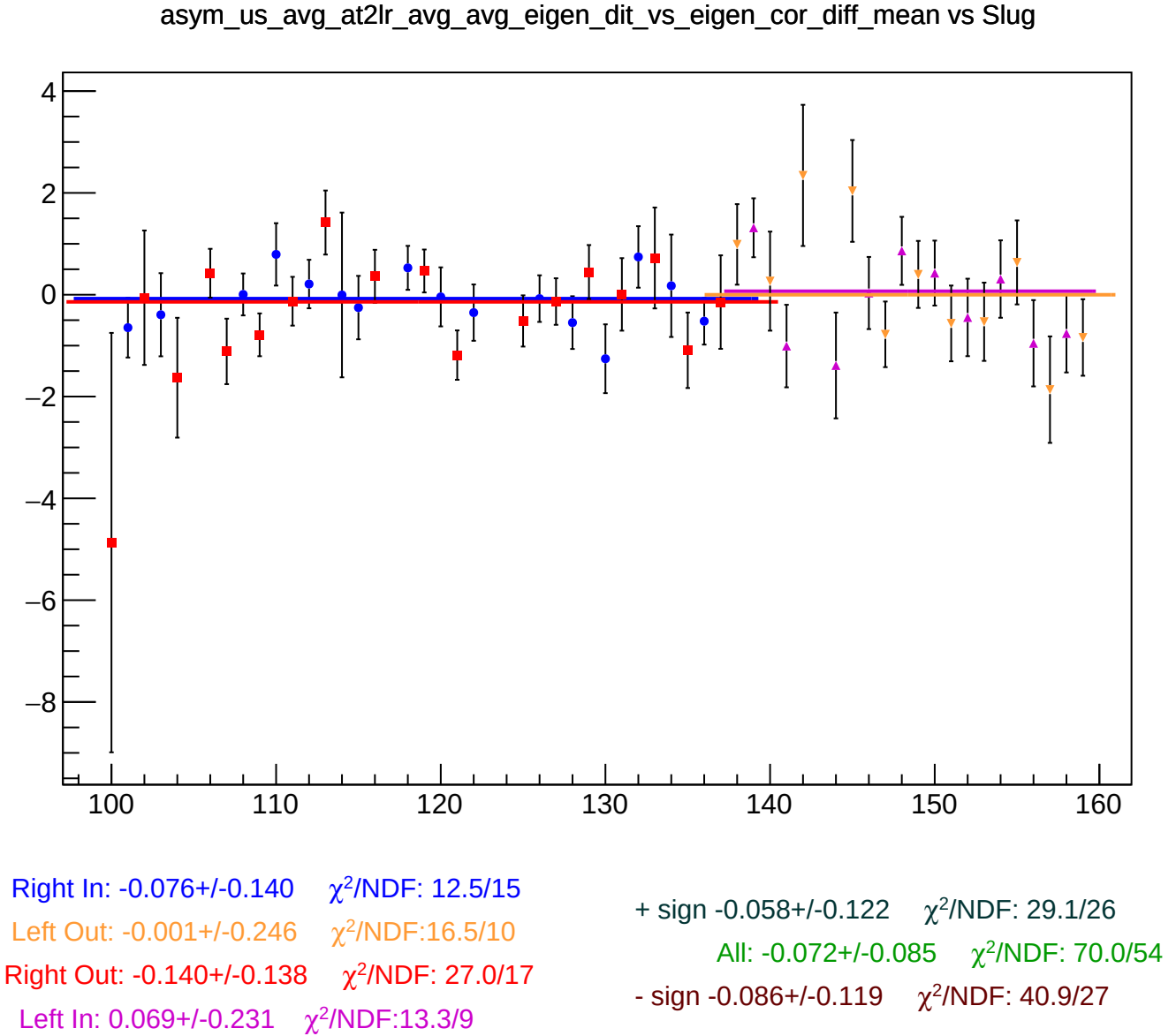
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

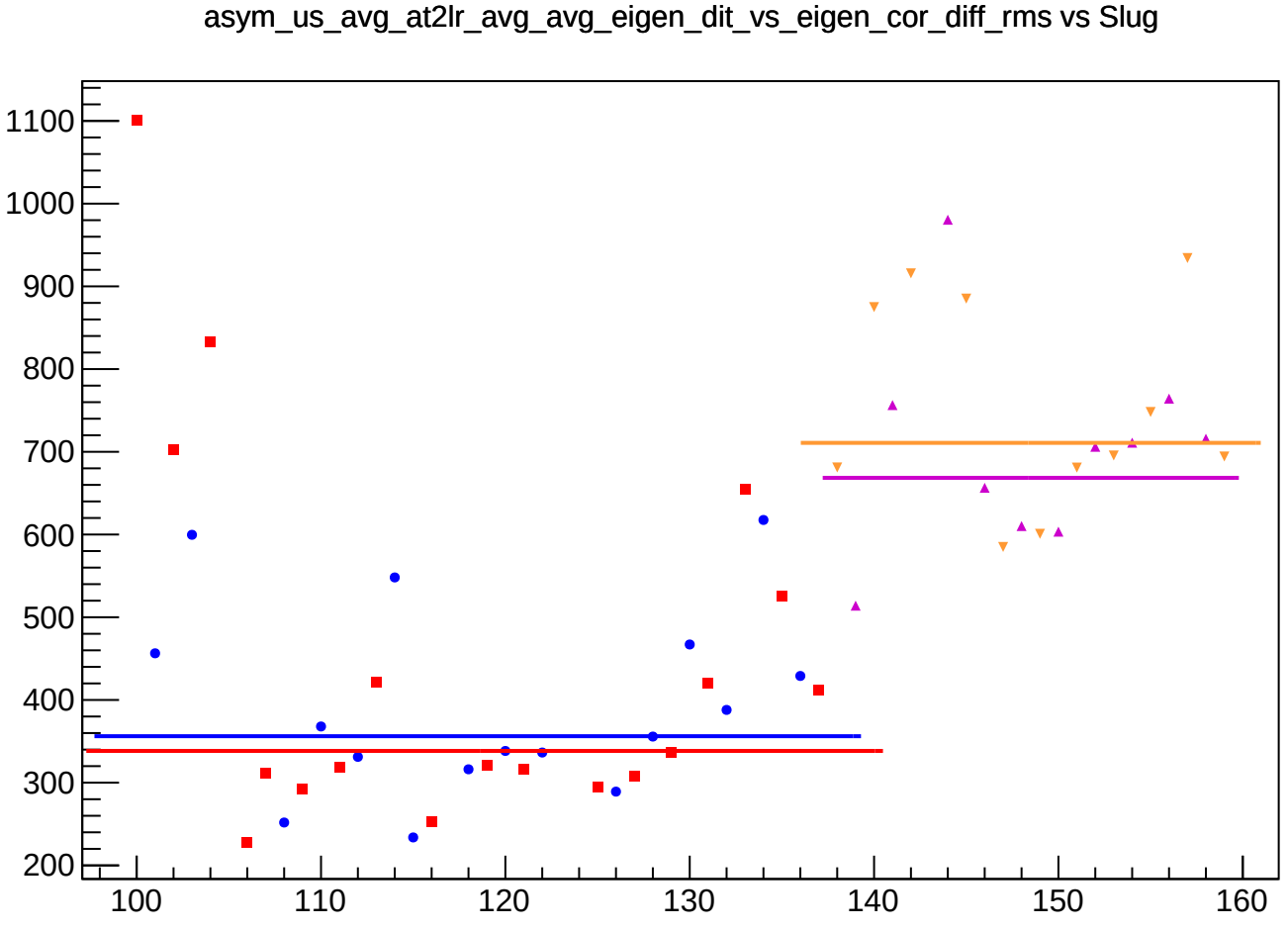
Left In: 668.539+/-0.164 χ^2/NDF:427132.0/9

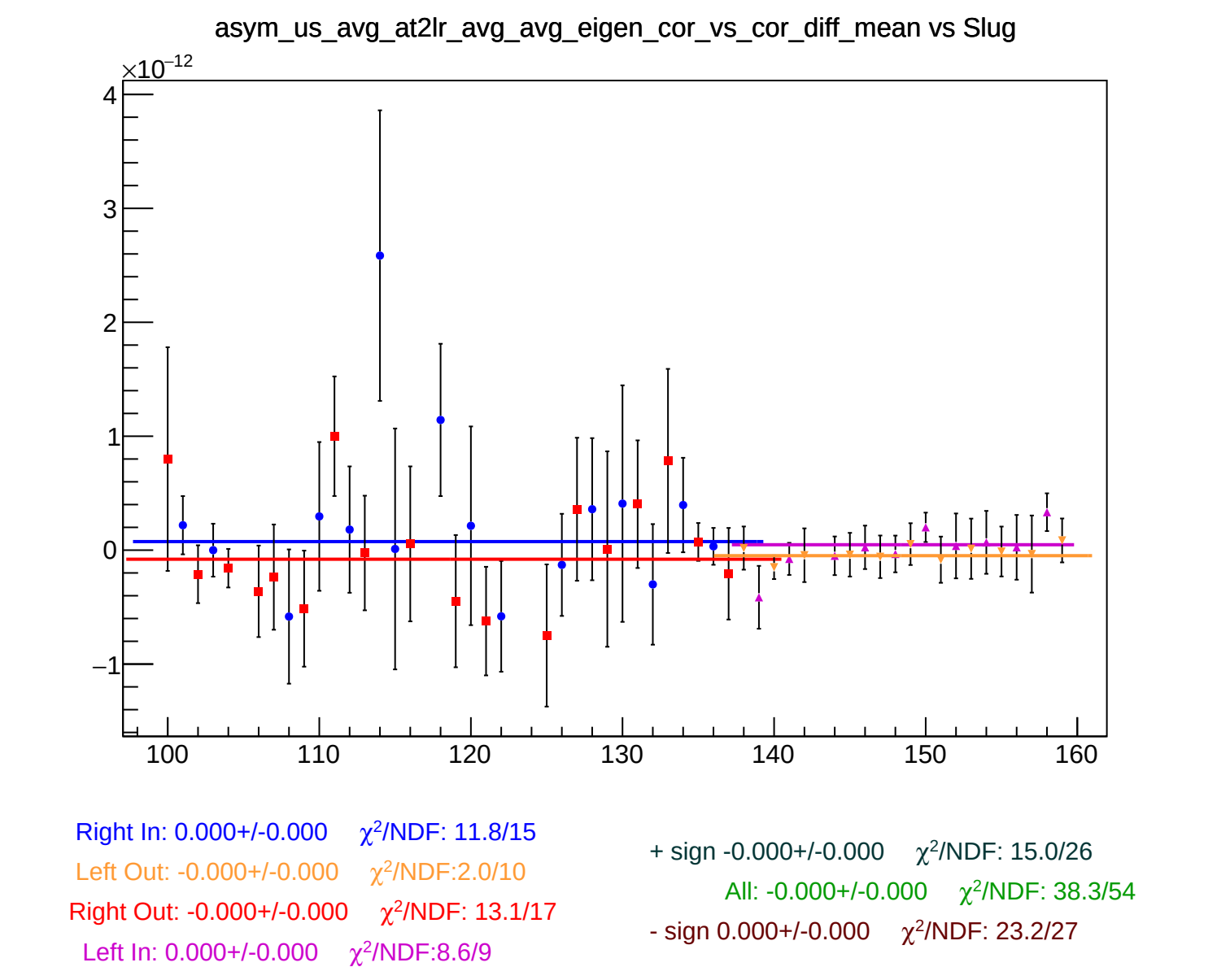
+ sign 442.921+/-0.086 χ^2/NDF: 4324782.4/26

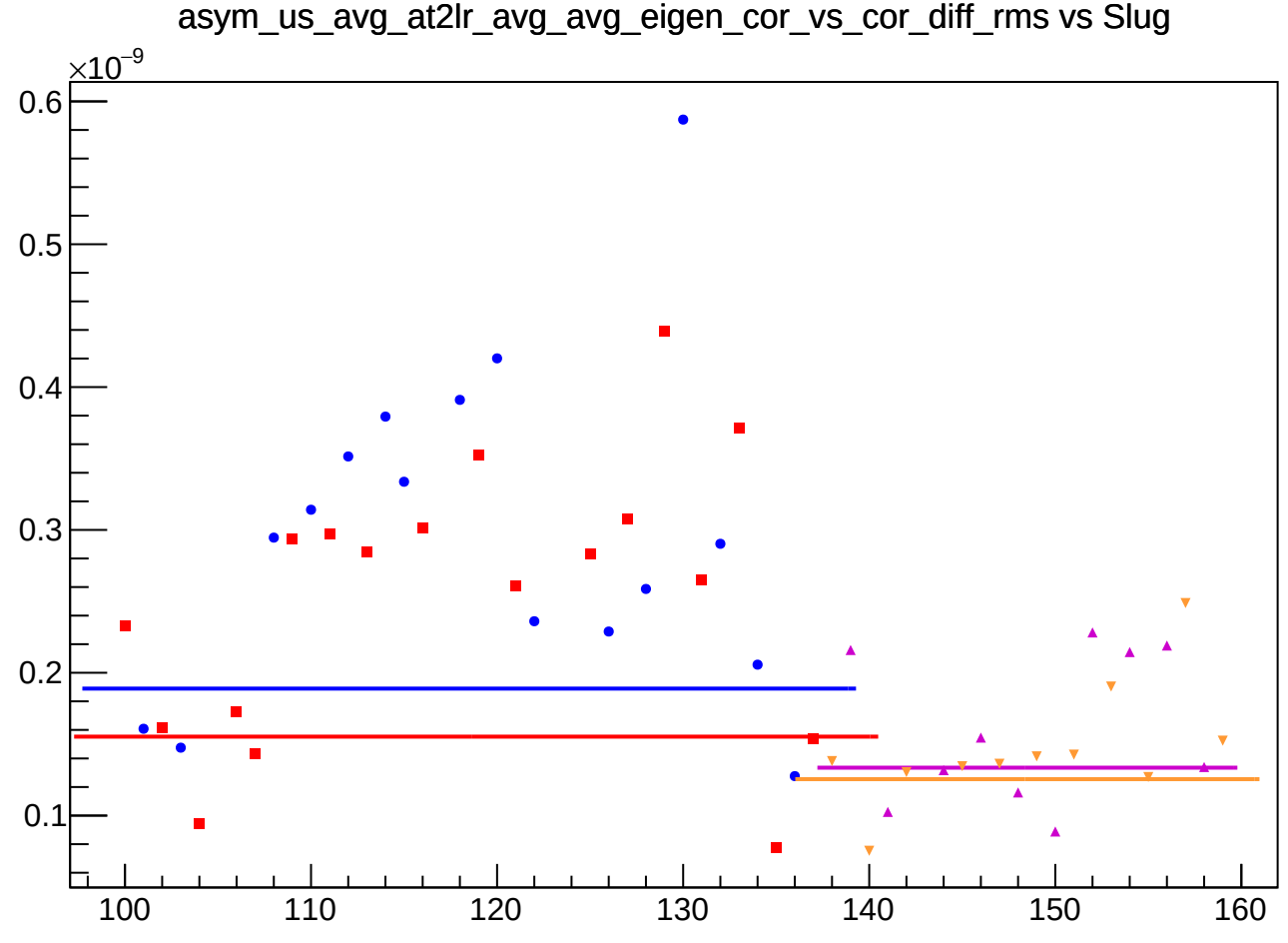
All: 433.717+/-0.060 χ^2/NDF: 8980097.0/54

- sign 424.975+/-0.084 χ^2/NDF: 4632972.0/27


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: 0.069+/-0.231 χ²/NDF:13.3/9
+ sign -0.058+/-0.122 χ²/NDF: 29.1/26
All: -0.072+/-0.085 χ²/NDF: 70.0/54
- sign -0.086+/-0.119 χ²/NDF: 40.9/27


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 710.816+/-0.174 χ²/NDF:396666.3/10
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 668.539+/-0.164 χ²/NDF:427132.0/9
+ sign 442.921+/-0.086 χ²/NDF: 4324782.4/26
All: 433.717+/-0.060 χ²/NDF: 8980097.0/54
- sign 424.975+/-0.084 χ²/NDF: 4632972.0/27


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:8.6/9
+ sign -0.000+/-0.000 χ²/NDF: 15.0/26
All: -0.000+/-0.000 χ²/NDF: 38.3/54
- sign 0.000+/-0.000 χ²/NDF: 23.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:941035.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

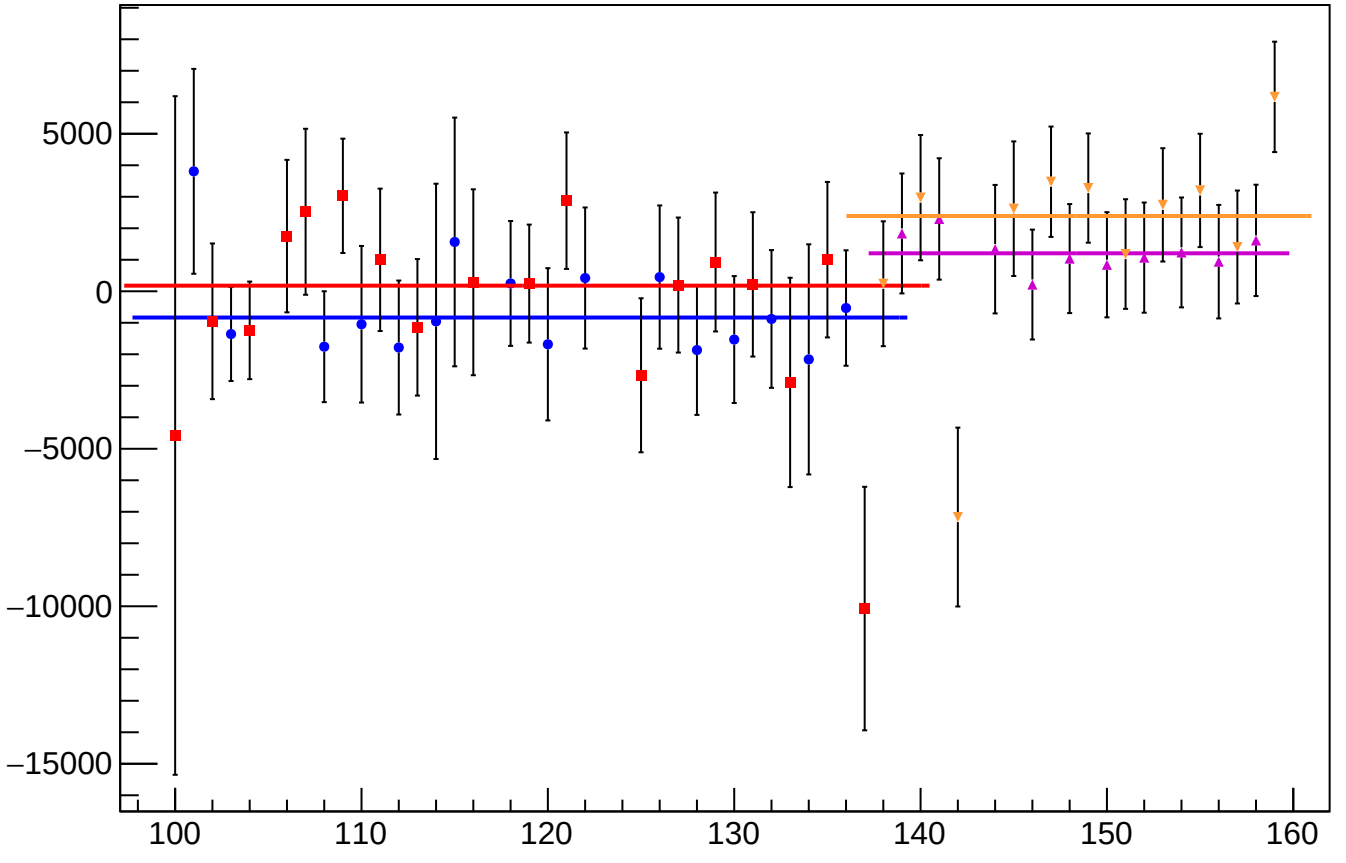
Left In: 0.000+/-0.000 χ^2/NDF:1136631.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 3108709.6/26

All: 0.000+/-0.000 χ^2/NDF: 6535279.8/54

- sign 0.000+/-0.000 χ^2/NDF: 3426017.6/27

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

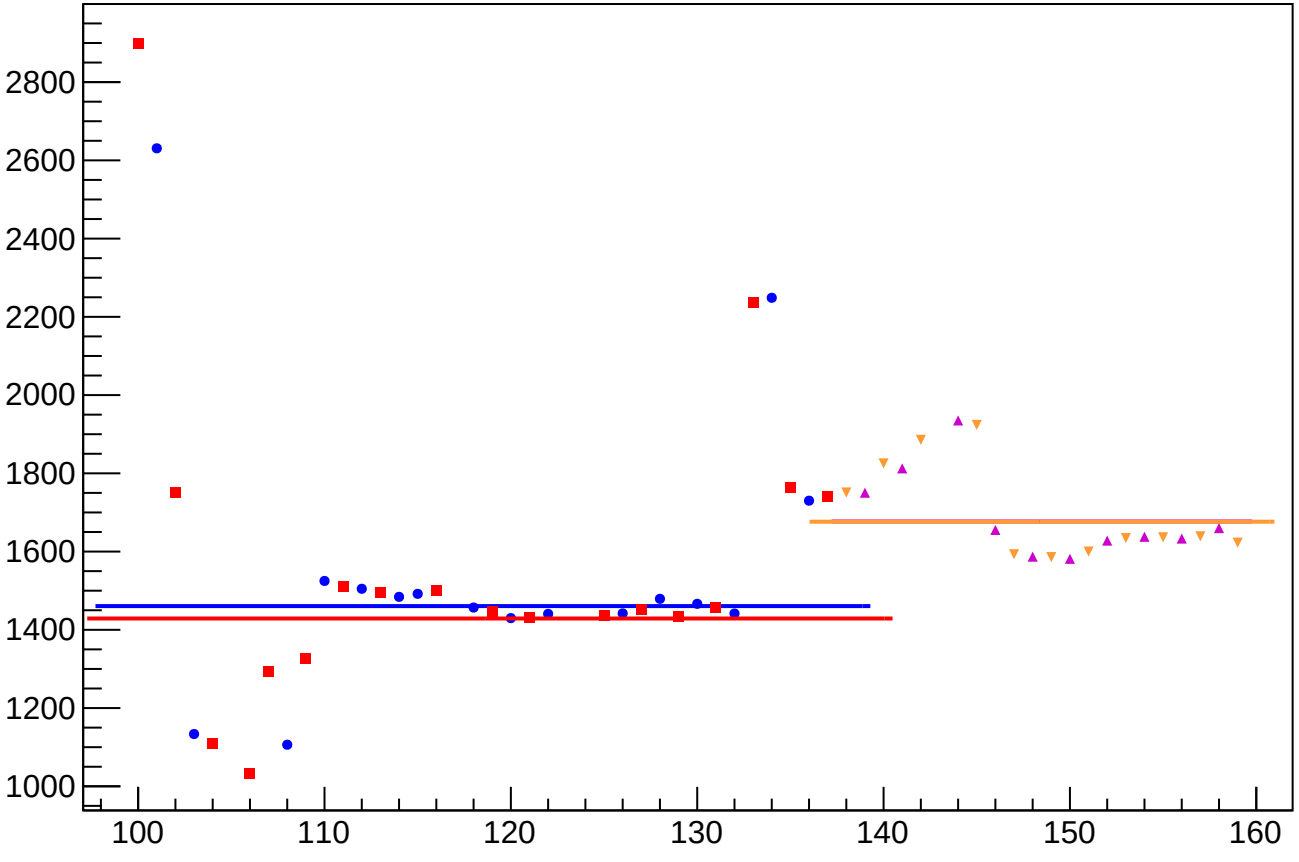
Left In: 1205.459+/-568.795 χ^2/NDF:0.9/9

+ sign 739.035+/-397.069 χ^2/NDF: 40.0/26

All: 705.604+/-279.885 χ^2/NDF: 59.1/54

- sign 672.591+/-394.575 χ^2/NDF: 19.0/27

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

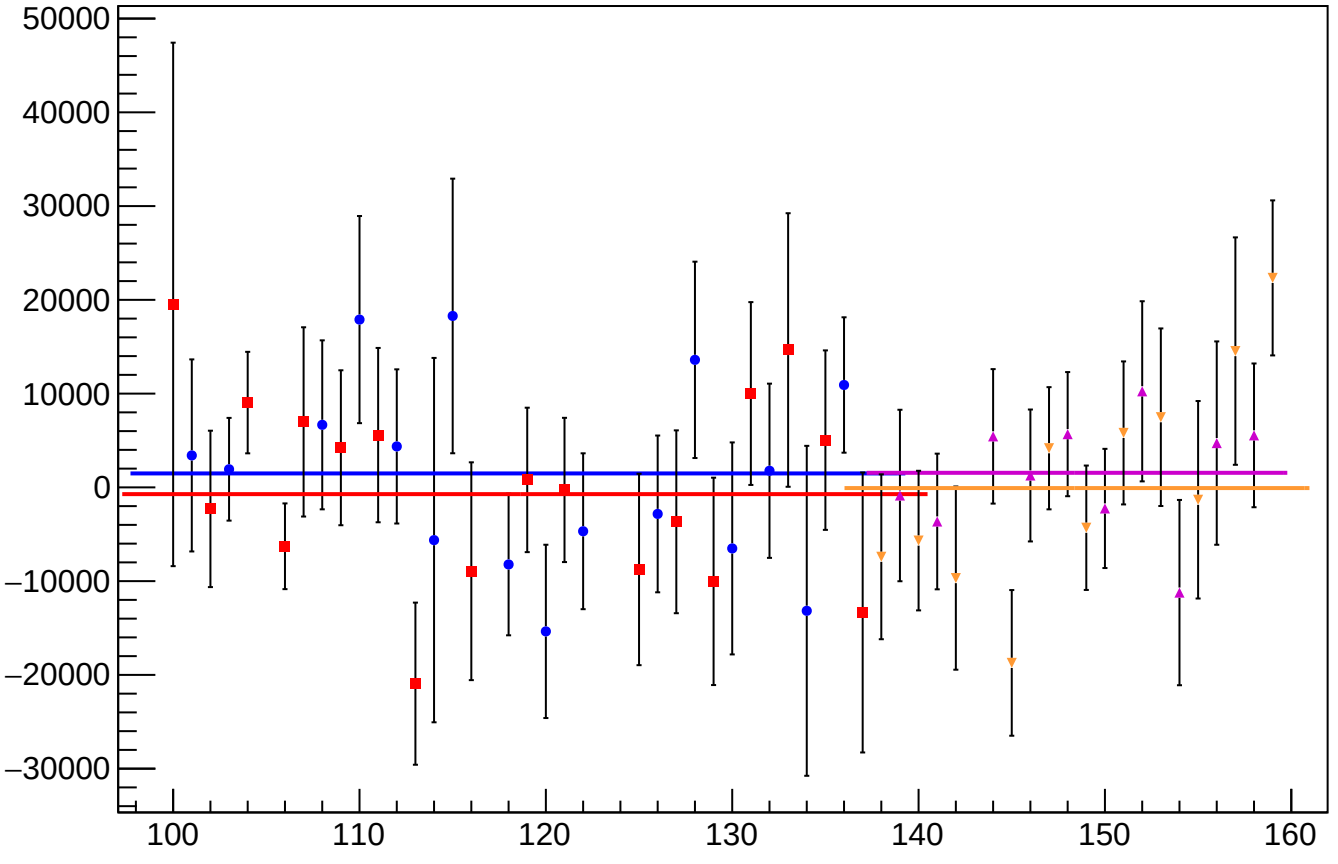
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

+ sign 1565.890+/-0.281 χ^2/NDF: 793576.9/26

All: 1556.530+/-0.198 χ^2/NDF: 1466807.6/54

- sign 1547.358+/-0.278 χ^2/NDF: 671030.3/27



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -75.094+/-2476.255 χ^2/NDF:18.9/10

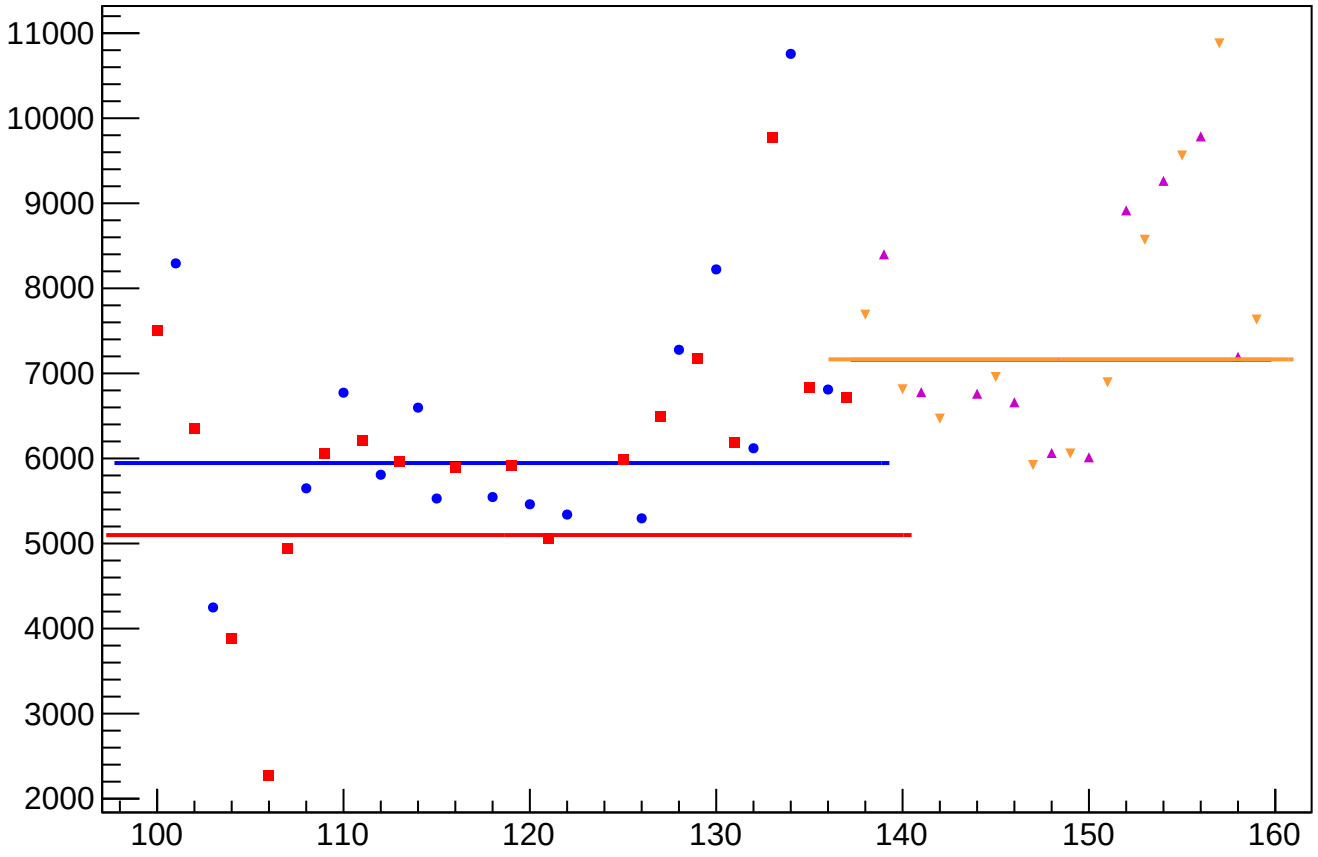
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 1553.202+/-2462.731 χ^2/NDF:4.5/9

+ sign 774.620+/-1672.516 χ^2/NDF: 33.3/26

All: 461.375+/-1139.975 χ^2/NDF: 55.8/54

- sign 189.587+/-1557.915 χ^2/NDF: 22.5/27



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

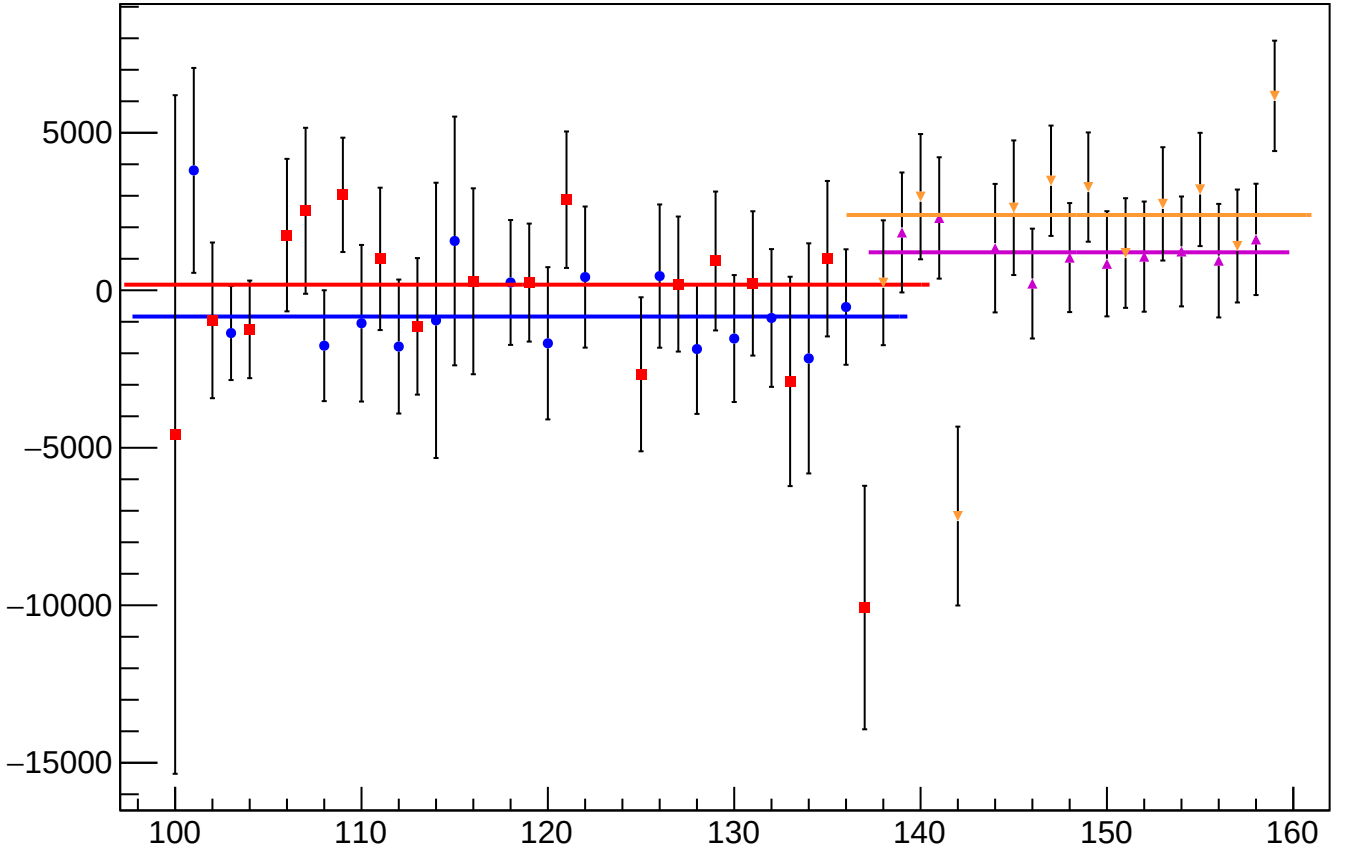
Left In: 7159.394+/-1.741 χ^2/NDF:453325.8/9

+ sign 6502.181+/-1.183 χ^2/NDF: 1400488.2/26

All: 6192.471+/-0.806 χ^2/NDF: 4301650.0/54

- sign 5923.750+/-1.102 χ^2/NDF: 2773077.2/27

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



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

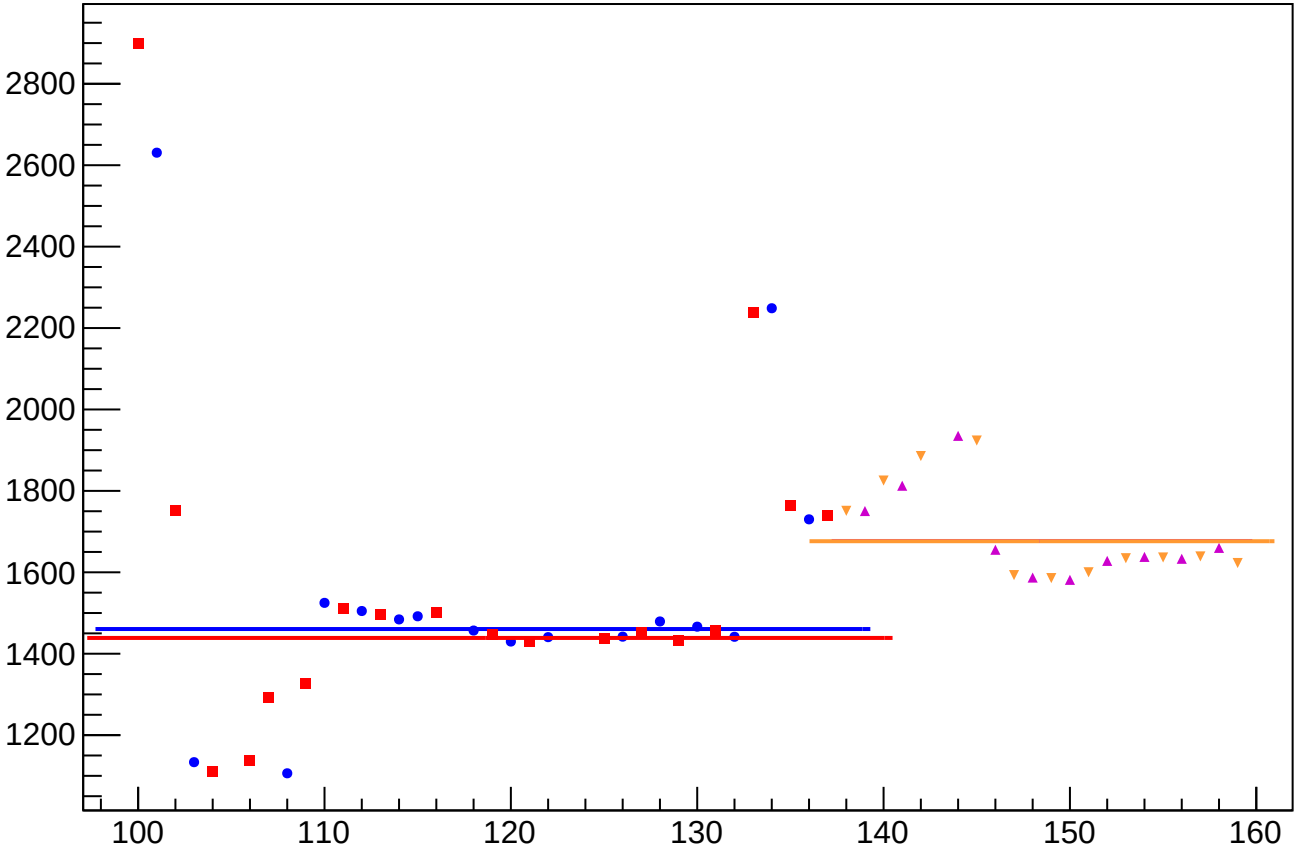
Left In: 1205.522+/-568.795 χ^2/NDF:0.9/9

+ sign 739.014+/-397.069 χ^2/NDF: 40.0/26

All: 705.567+/-279.885 χ^2/NDF: 59.1/54

- sign 672.539+/-394.575 χ^2/NDF: 19.0/27

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

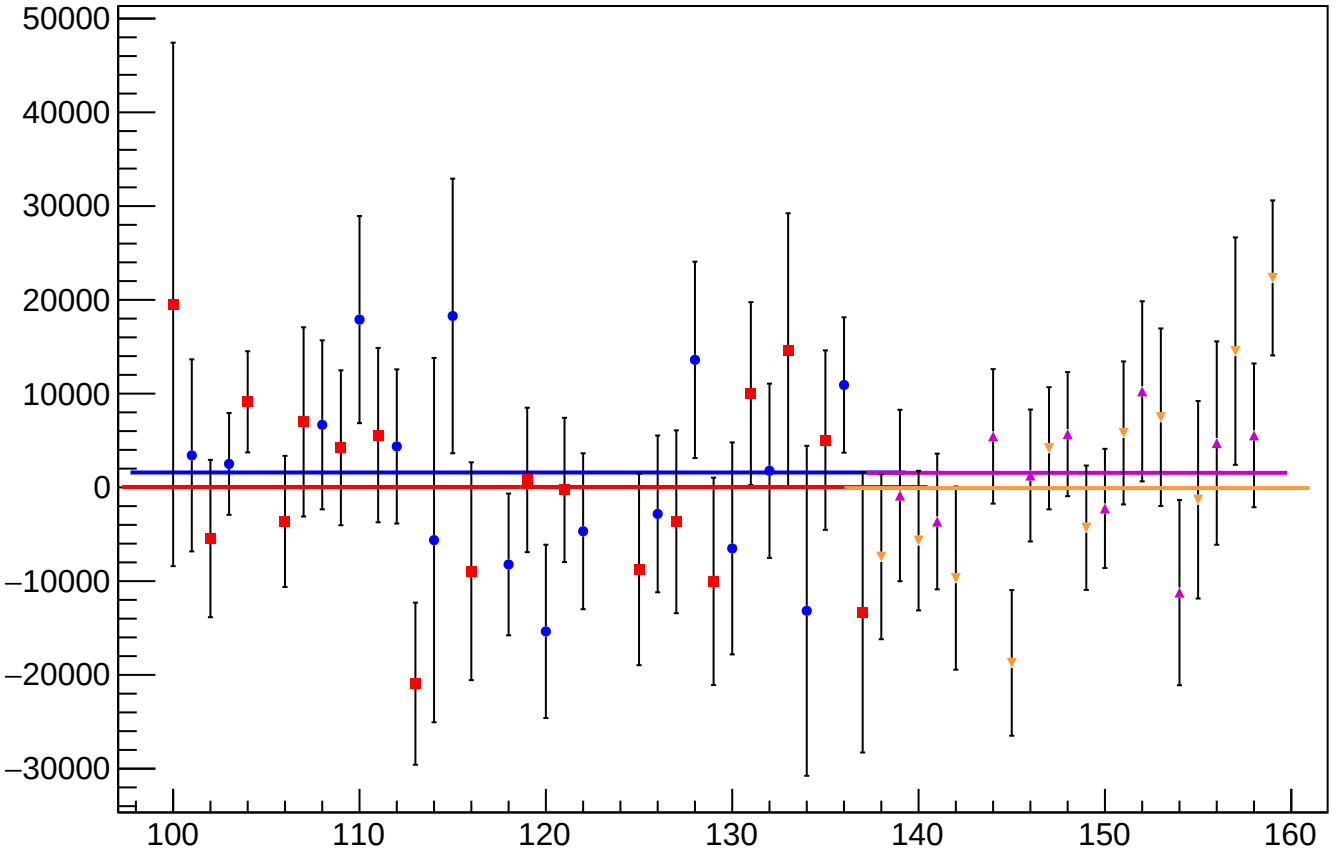
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

+ sign 1565.890+/-0.281 χ^2/NDF: 793577.3/26

All: 1559.447+/-0.198 χ^2/NDF: 1411432.2/54

- sign 1553.099+/-0.279 χ^2/NDF: 616809.4/27



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -75.091+/-2476.253 χ^2/NDF:18.9/10

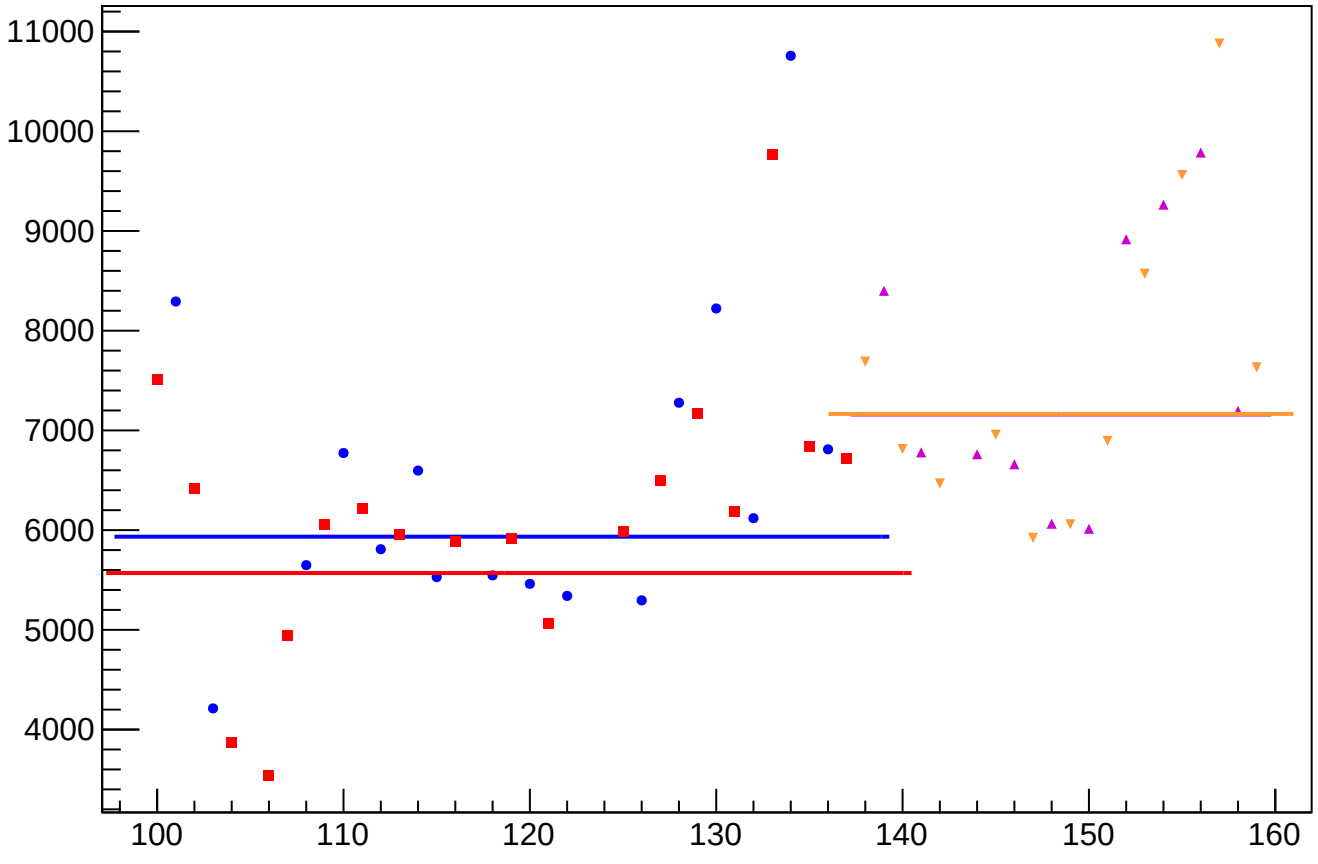
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1553.282+/-2462.729 χ^2/NDF:4.5/9

+ sign 831.035+/-1671.003 χ^2/NDF: 33.3/26

All: 757.483+/-1160.283 χ^2/NDF: 54.5/54

- sign 689.004+/-1612.344 χ^2/NDF: 21.1/27



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7165.077+/-1.751 χ^2/NDF:495788.5/10

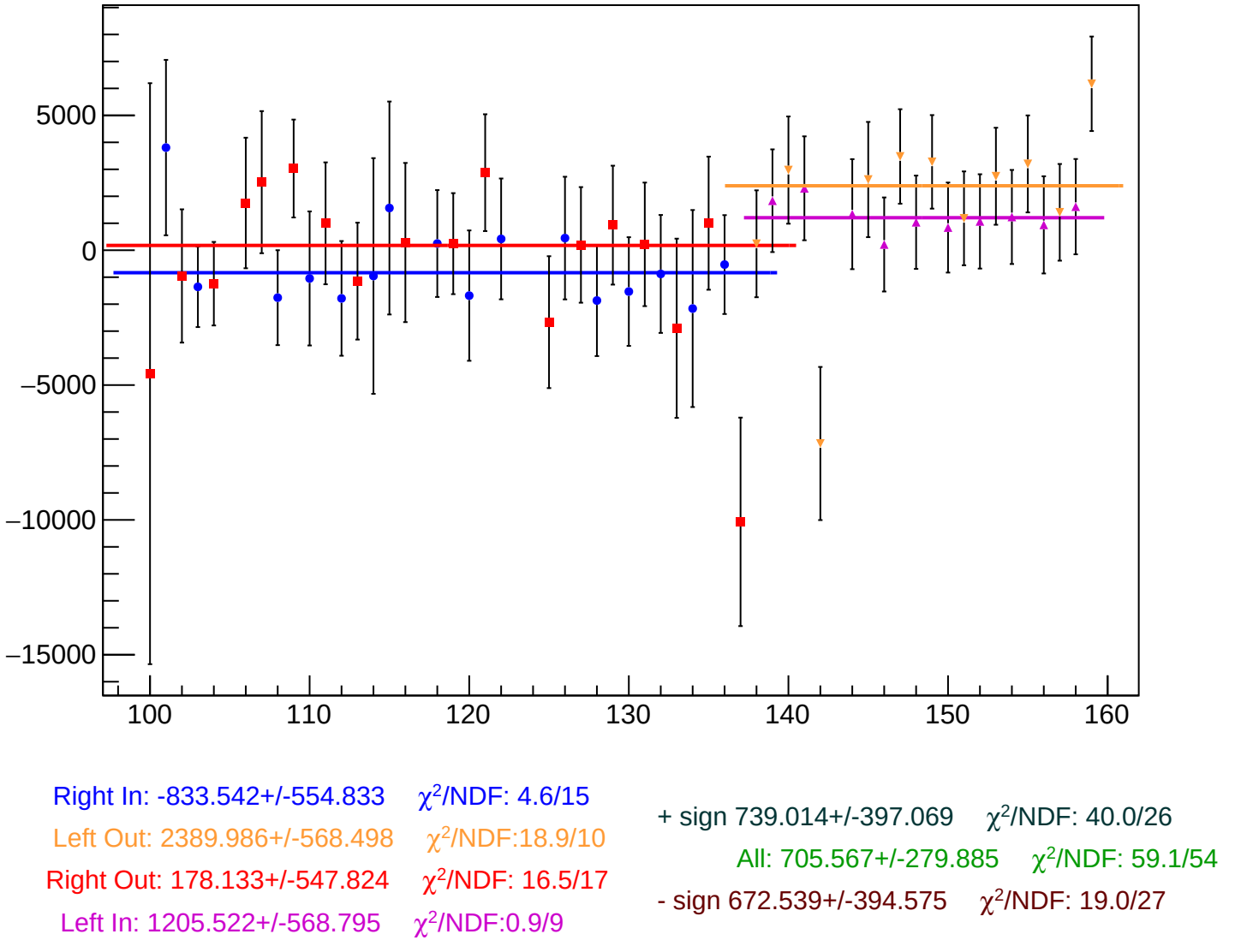
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7159.389+/-1.741 χ^2/NDF:453327.8/9

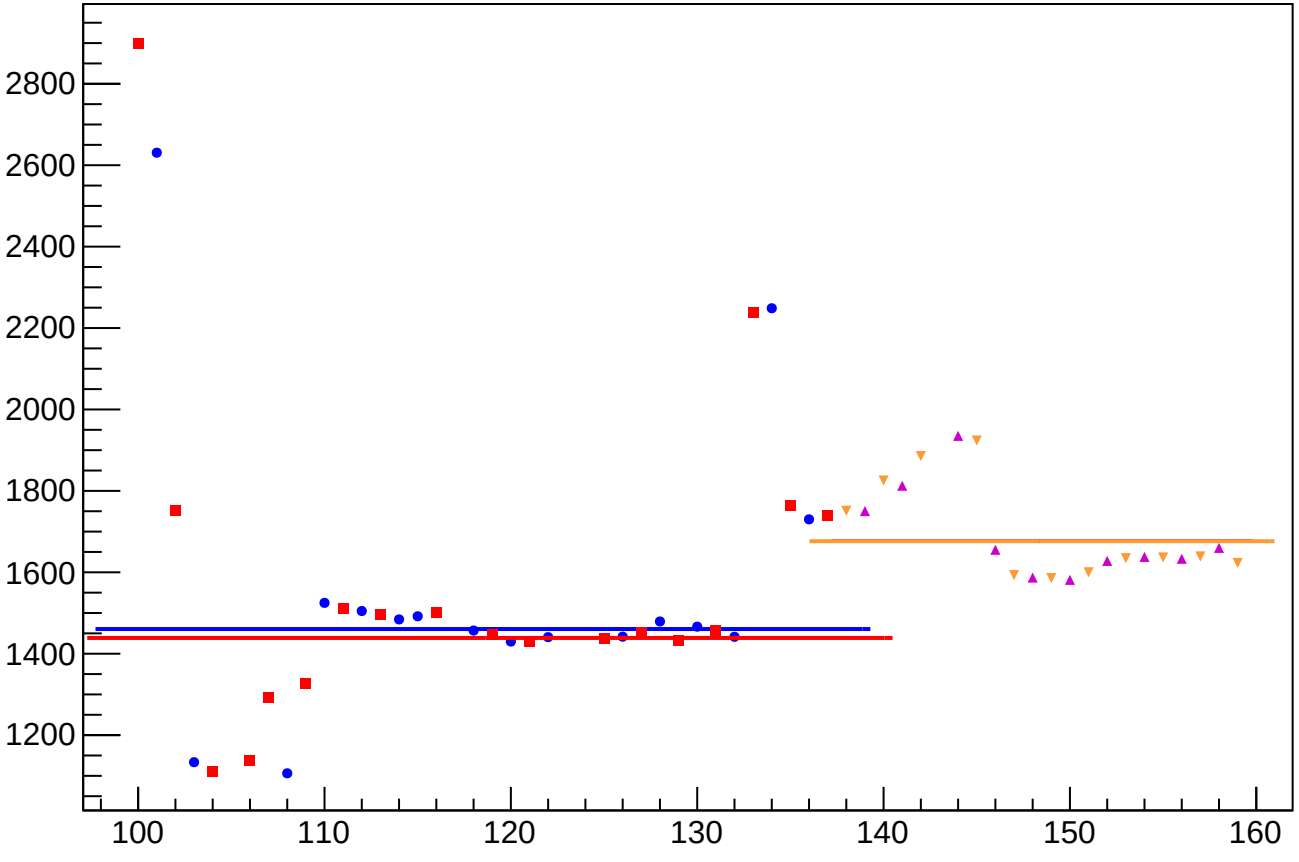
+ sign 6494.709+/-1.182 χ^2/NDF: 1418002.7/26

All: 6368.519+/-0.820 χ^2/NDF: 3093604.7/54

- sign 6251.034+/-1.140 χ^2/NDF: 1653577.3/27


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: 1205.522+/-568.795 χ²/NDF:0.9/9
+ sign 739.014+/-397.069 χ²/NDF: 40.0/26
All: 705.567+/-279.885 χ²/NDF: 59.1/54
- sign 672.539+/-394.575 χ²/NDF: 19.0/27

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1676.375+/-0.402 χ^2/NDF:70349.8/10

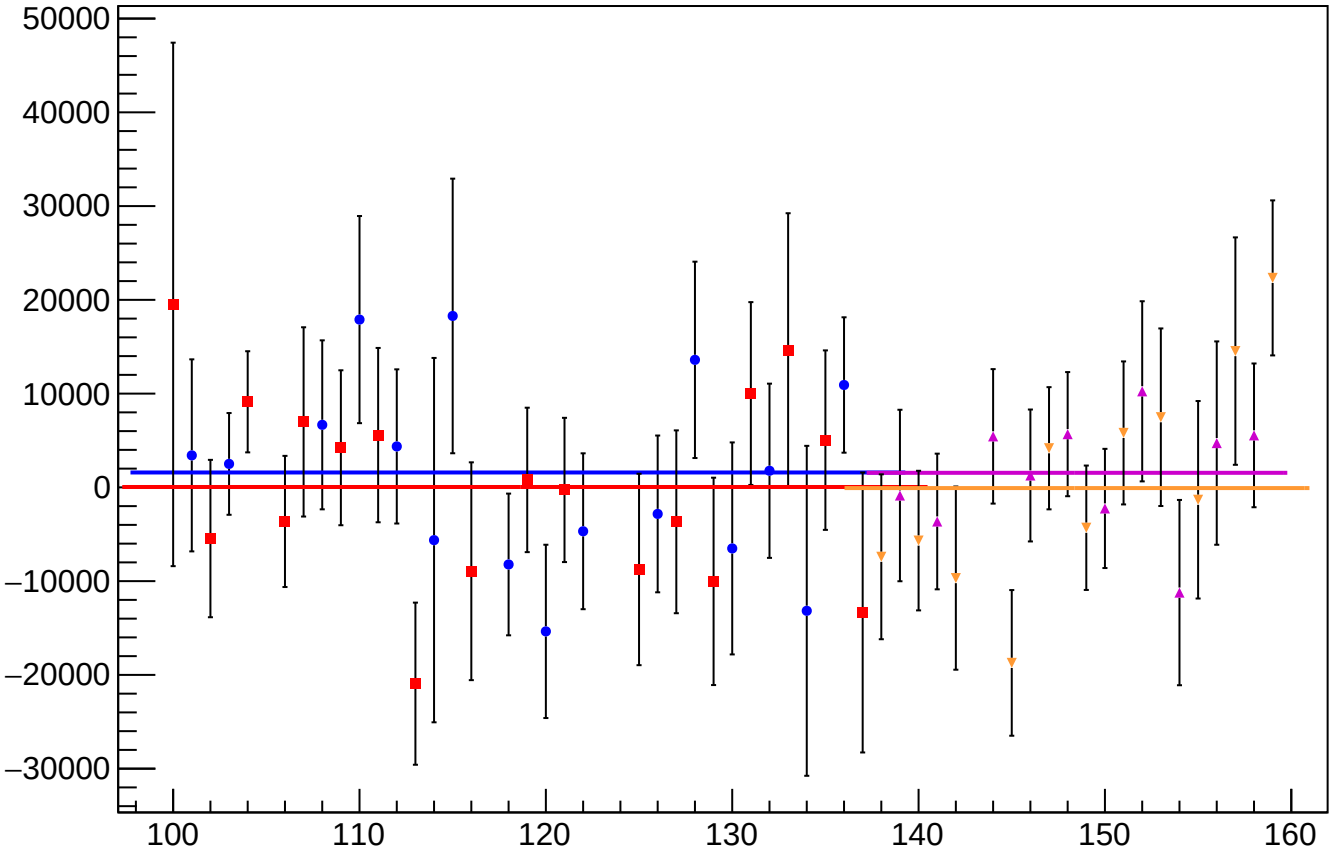
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1676.921+/-0.402 χ^2/NDF:61136.1/9

+ sign 1565.890+/-0.281 χ^2/NDF: 793577.3/26

All: 1559.447+/-0.198 χ^2/NDF: 1411432.2/54

- sign 1553.099+/-0.279 χ^2/NDF: 616809.4/27



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -75.091+/-2476.253 χ^2/NDF:18.9/10

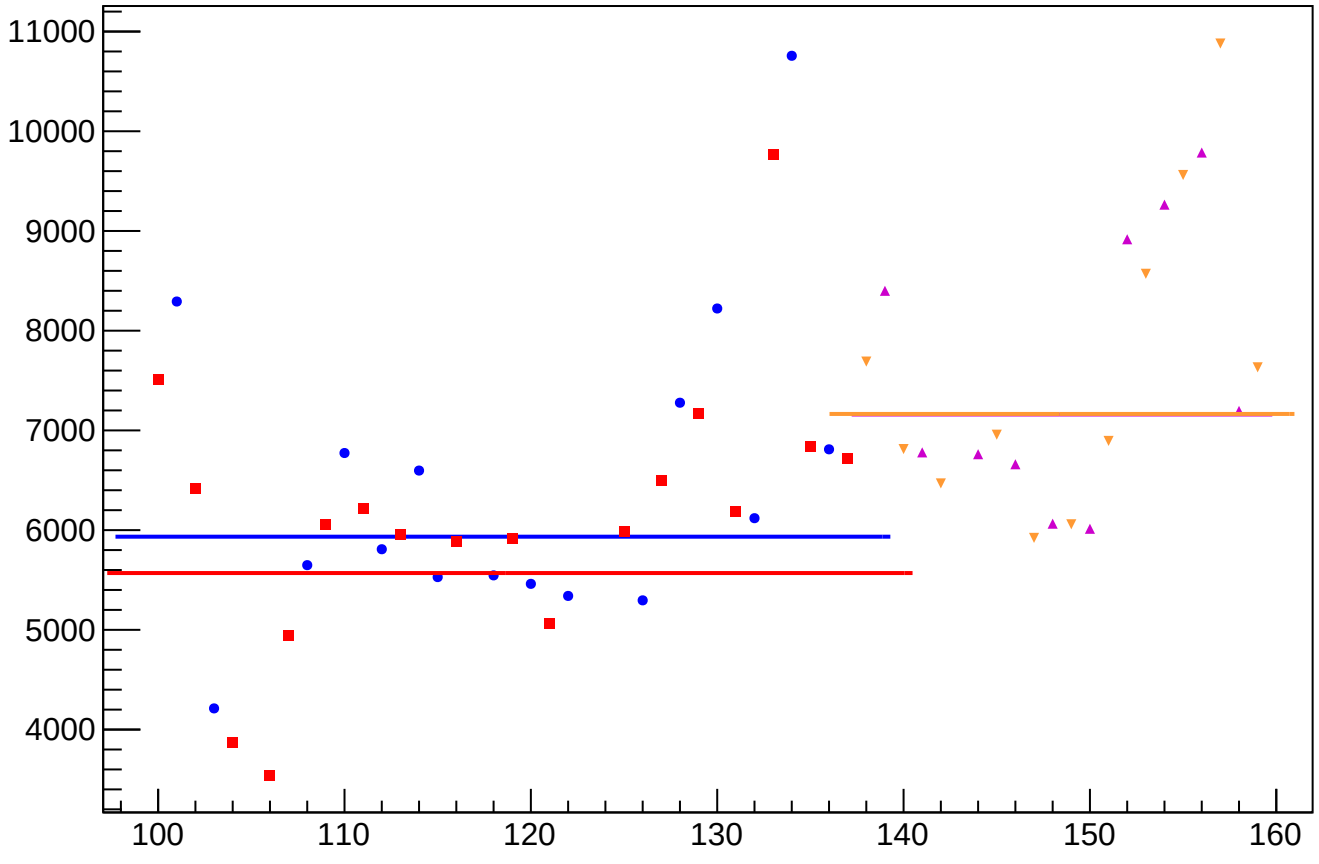
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1553.282+/-2462.729 χ^2/NDF:4.5/9

+ sign 831.035+/-1671.003 χ^2/NDF: 33.3/26

All: 757.483+/-1160.283 χ^2/NDF: 54.5/54

- sign 689.004+/-1612.344 χ^2/NDF: 21.1/27



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

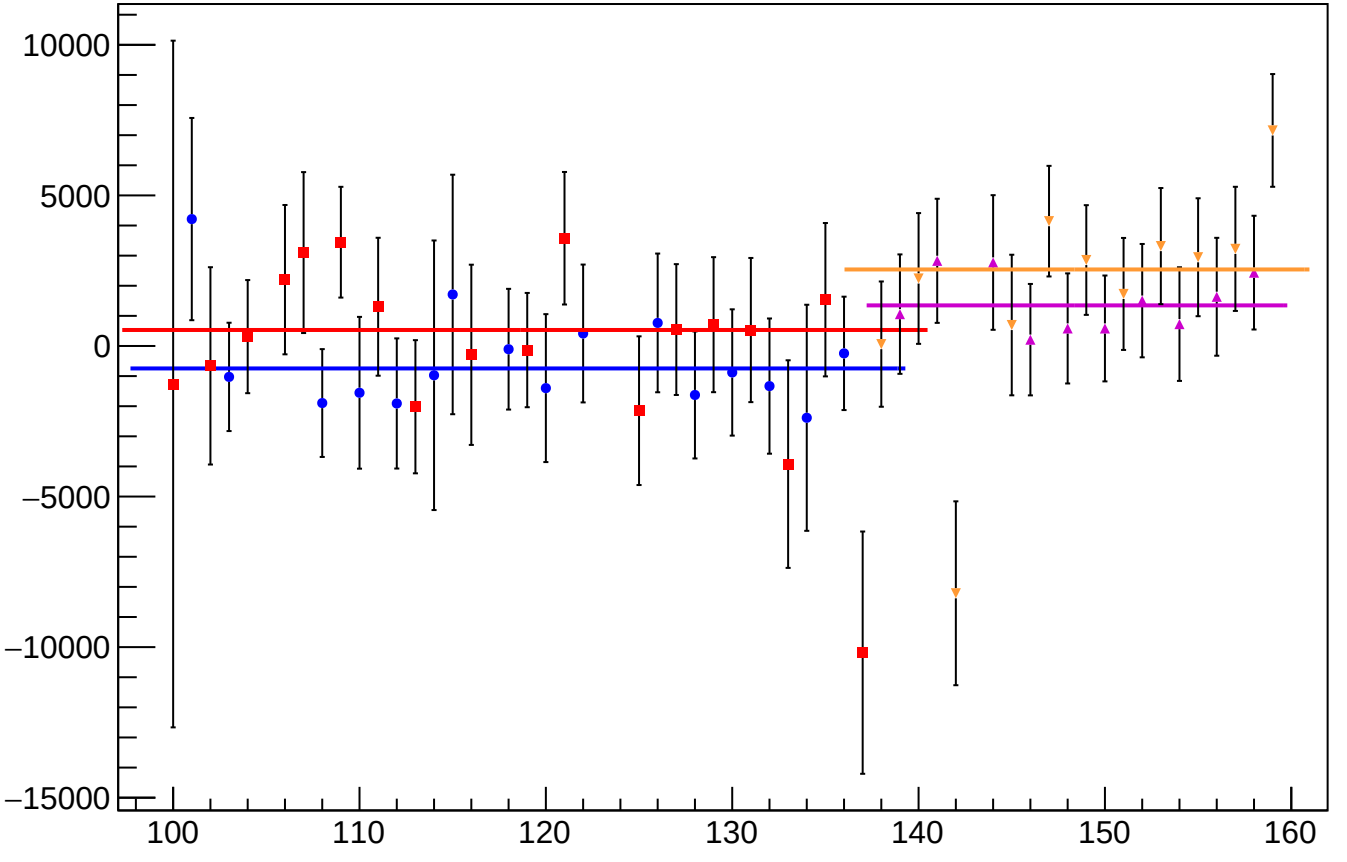
Left In: 7159.389+/-1.741 χ^2/NDF:453327.8/9

+ sign 6494.709+/-1.182 χ^2/NDF: 1418002.7/26

All: 6368.519+/-0.820 χ^2/NDF: 3093604.7/54

- sign 6251.034+/-1.140 χ^2/NDF: 1653577.3/27

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

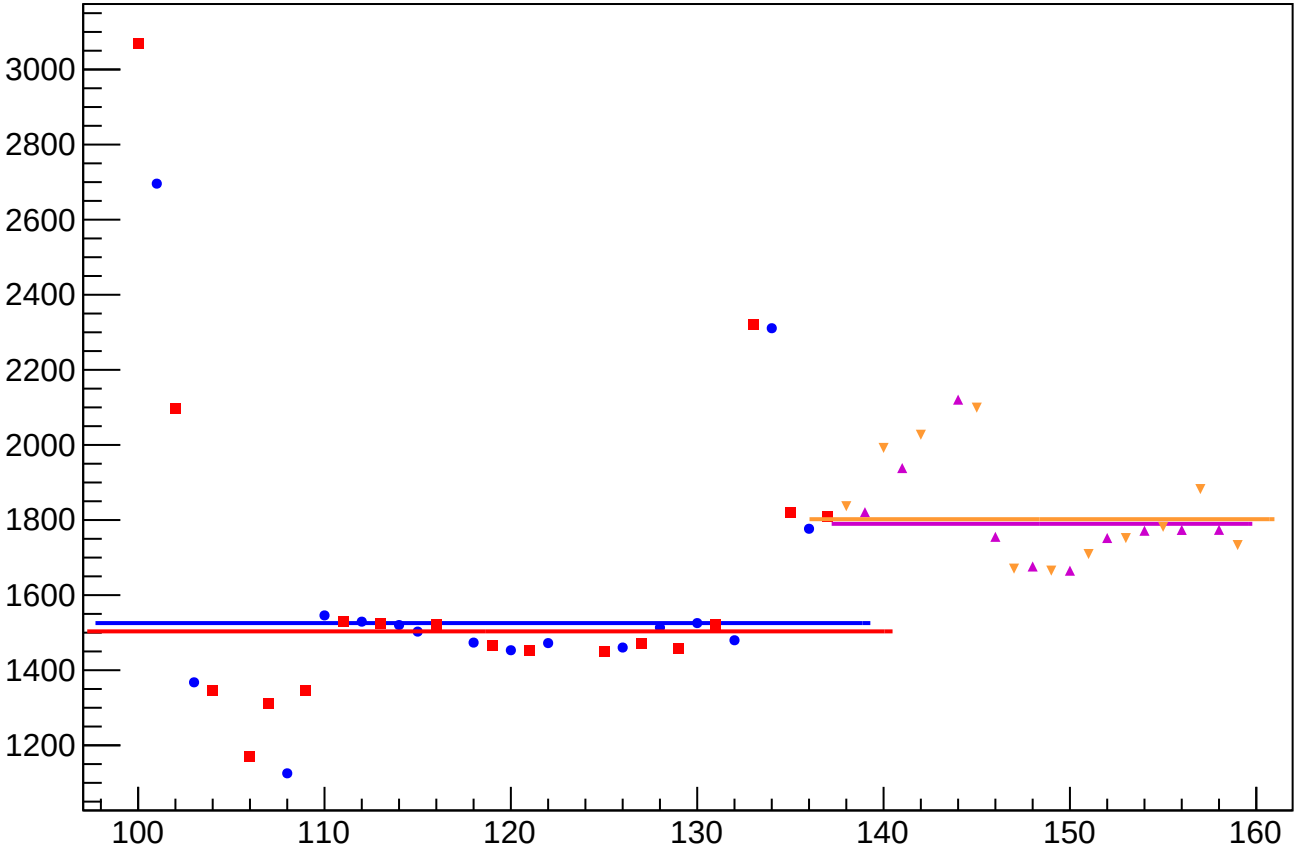
Left In: 1347.995+/-607.493 χ^2/NDF:2.2/9

+ sign 804.461+/-420.170 χ^2/NDF: 41.9/26

All: 861.220+/-296.208 χ^2/NDF: 62.7/54

- sign 917.300+/-417.645 χ^2/NDF: 20.8/27

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

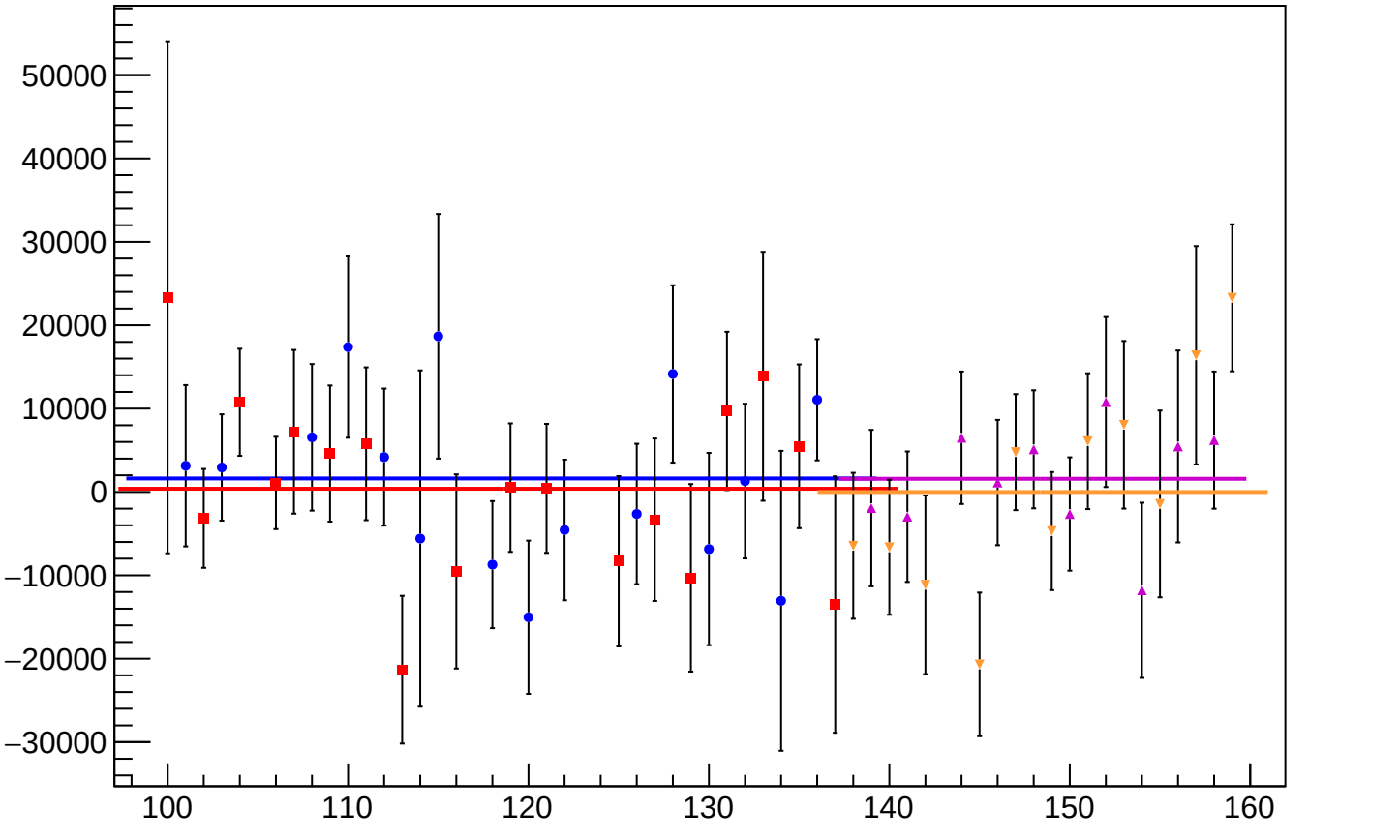
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1789.915+/-0.430 χ^2/NDF:74451.6/9

+ sign 1656.060+/-0.297 χ^2/NDF: 797480.7/26

All: 1647.374+/-0.209 χ^2/NDF: 1446757.9/54

- sign 1638.796+/-0.295 χ^2/NDF: 647578.4/27



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -4.967+/-2647.036 χ^2/NDF:18.7/10

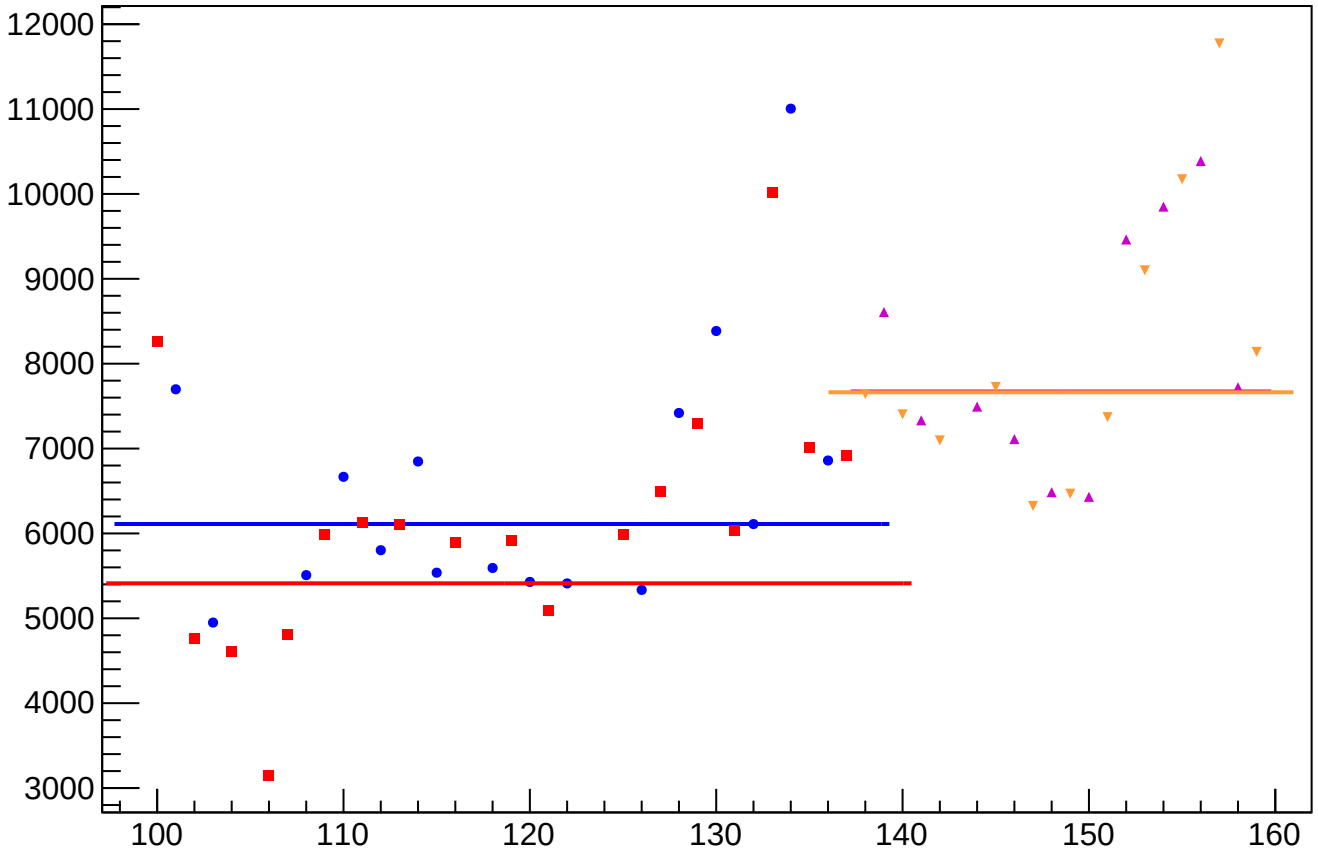
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 1580.853+/-2636.978 χ^2/NDF:4.4/9

+ sign 914.066+/-1744.736 χ^2/NDF: 33.2/26

All: 873.859+/-1188.655 χ^2/NDF: 53.7/54

- sign 839.033+/-1623.796 χ^2/NDF: 20.5/27



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7663.232+/-1.872 χ^2/NDF:485452.2/10

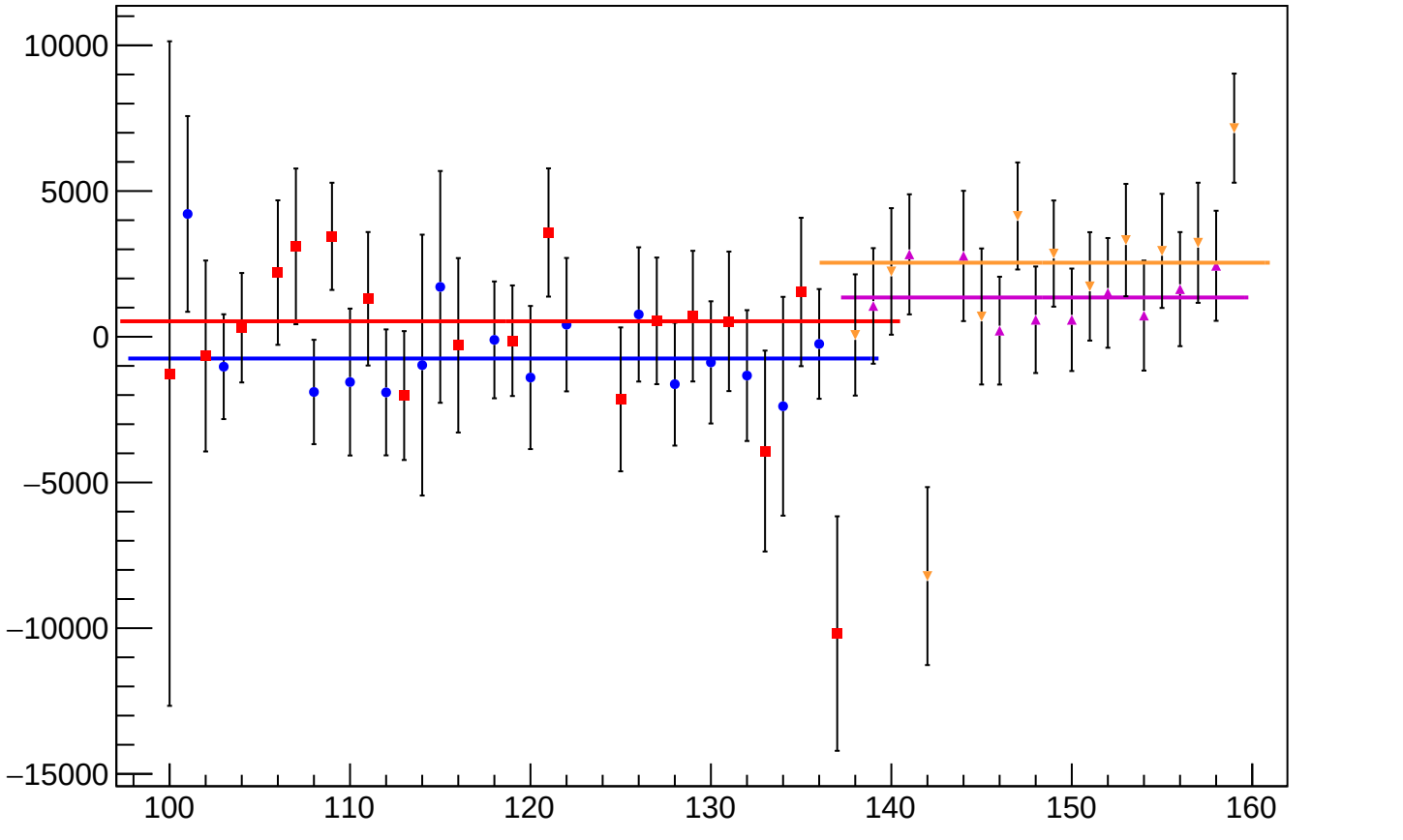
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7672.540+/-1.865 χ^2/NDF:417713.4/9

+ sign 6785.387+/-1.234 χ^2/NDF: 1346046.0/26

All: 6508.855+/-0.841 χ^2/NDF: 3591265.2/54

- sign 6269.332+/-1.148 χ^2/NDF: 2151460.3/27



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 2540.935+/-611.783 χ^2/NDF:21.9/10

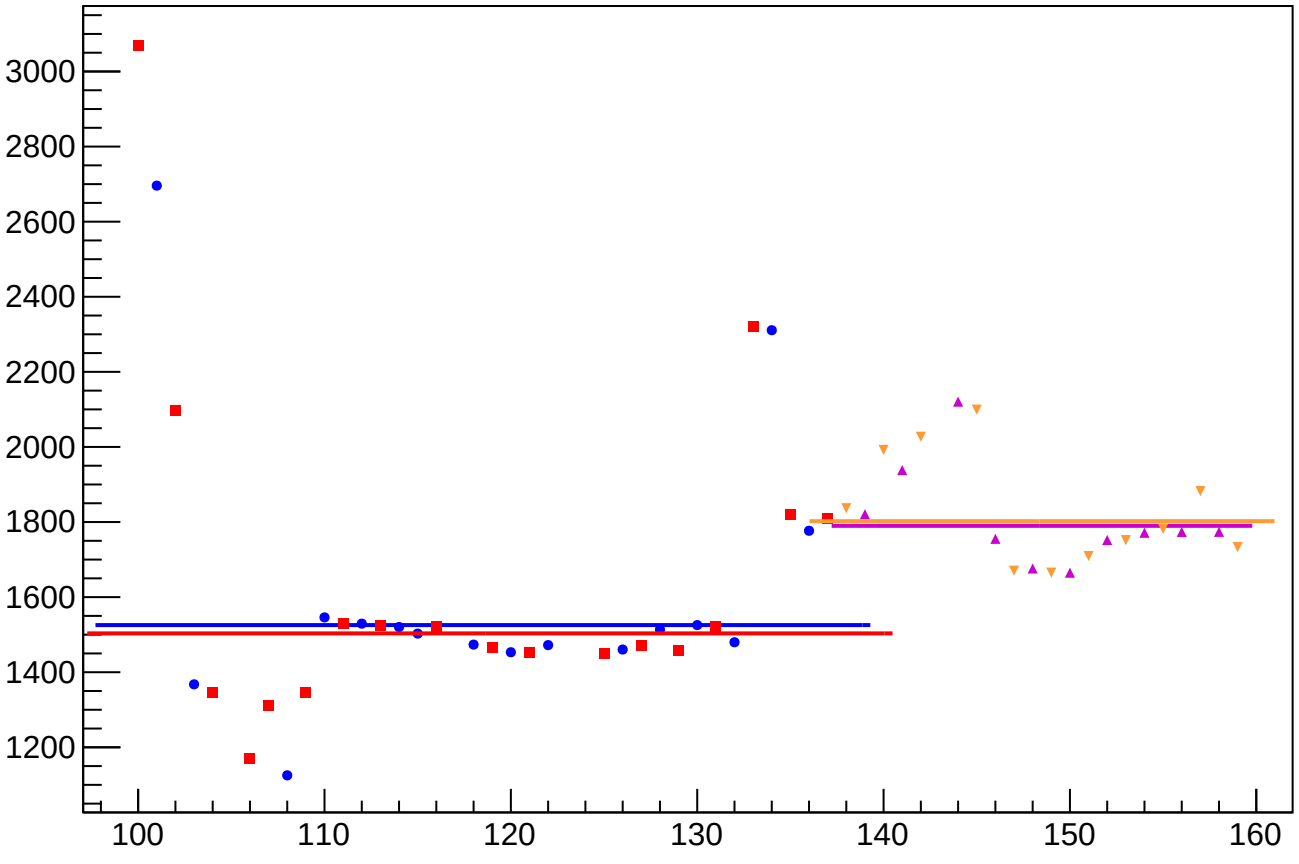
Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

Left In: 1347.994+/-607.494 χ^2/NDF:2.2/9

\+ sign 804.458+/-420.170 χ^2/NDF: 41.9/26

All: 861.221+/-296.209 χ^2/NDF: 62.7/54

\- sign 917.304+/-417.645 χ^2/NDF: 20.8/27



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1802.254+/-0.433 χ^2/NDF:92984.7/10

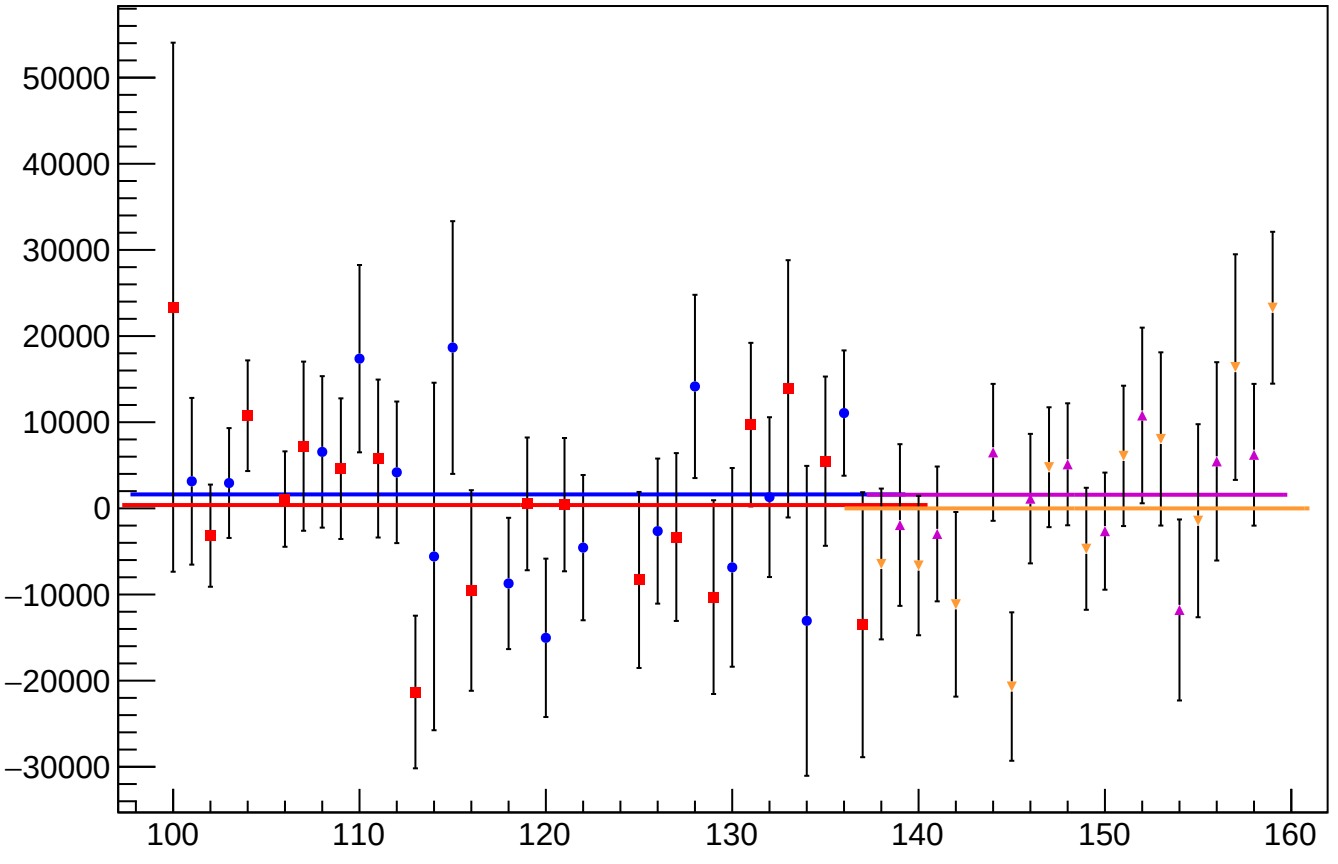
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1789.918+/-0.430 χ^2/NDF:74451.8/9

+ sign 1656.061+/-0.297 χ^2/NDF: 797484.6/26

All: 1647.375+/-0.209 χ^2/NDF: 1446765.6/54

- sign 1638.797+/-0.295 χ^2/NDF: 647582.2/27



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -4.964+/-2647.039 χ^2/NDF:18.7/10

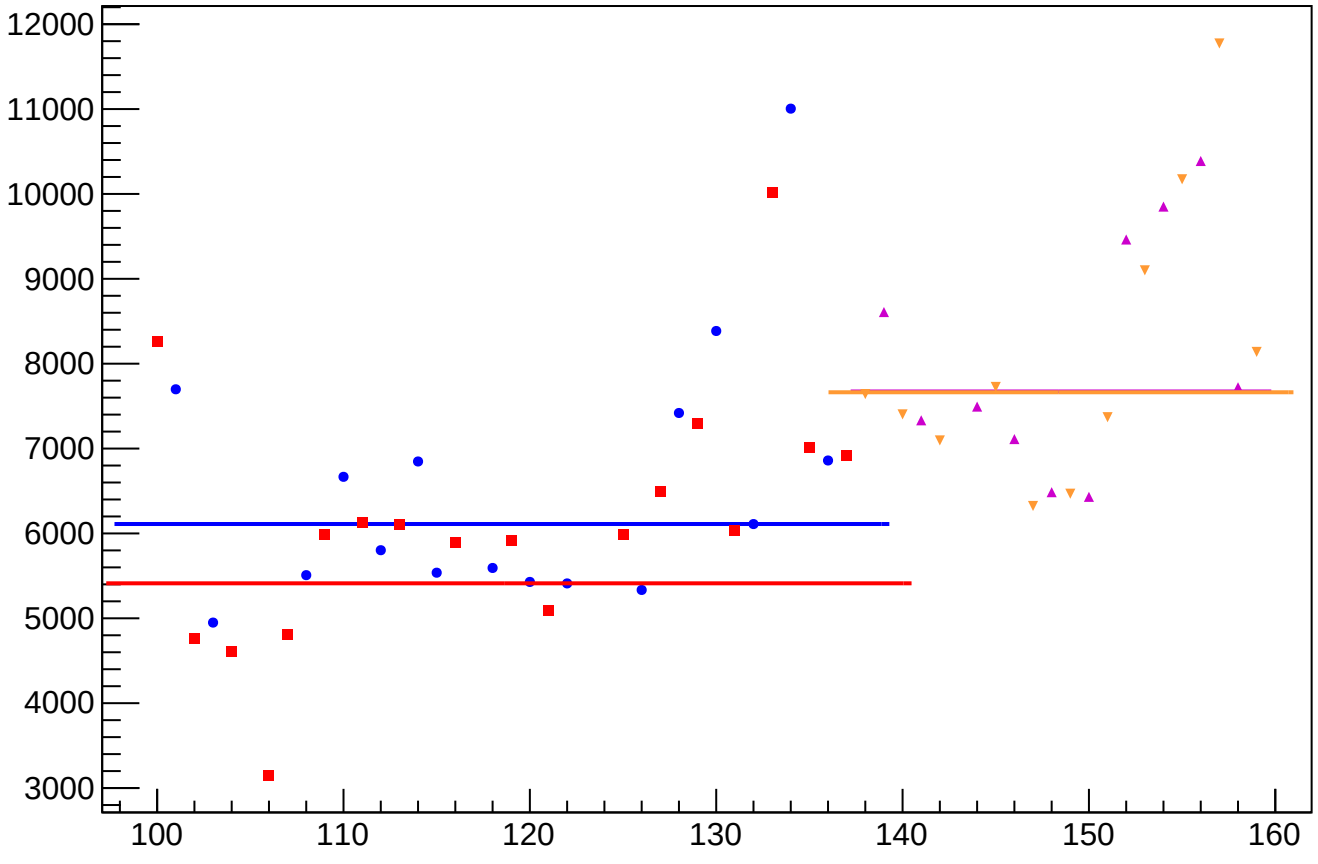
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 1580.851+/-2636.982 χ^2/NDF:4.4/9

+ sign 914.059+/-1744.734 χ^2/NDF: 33.2/26

All: 873.857+/-1188.654 χ^2/NDF: 53.7/54

- sign 839.034+/-1623.795 χ^2/NDF: 20.5/27



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7663.241+/-1.872 χ^2/NDF:485452.6/10

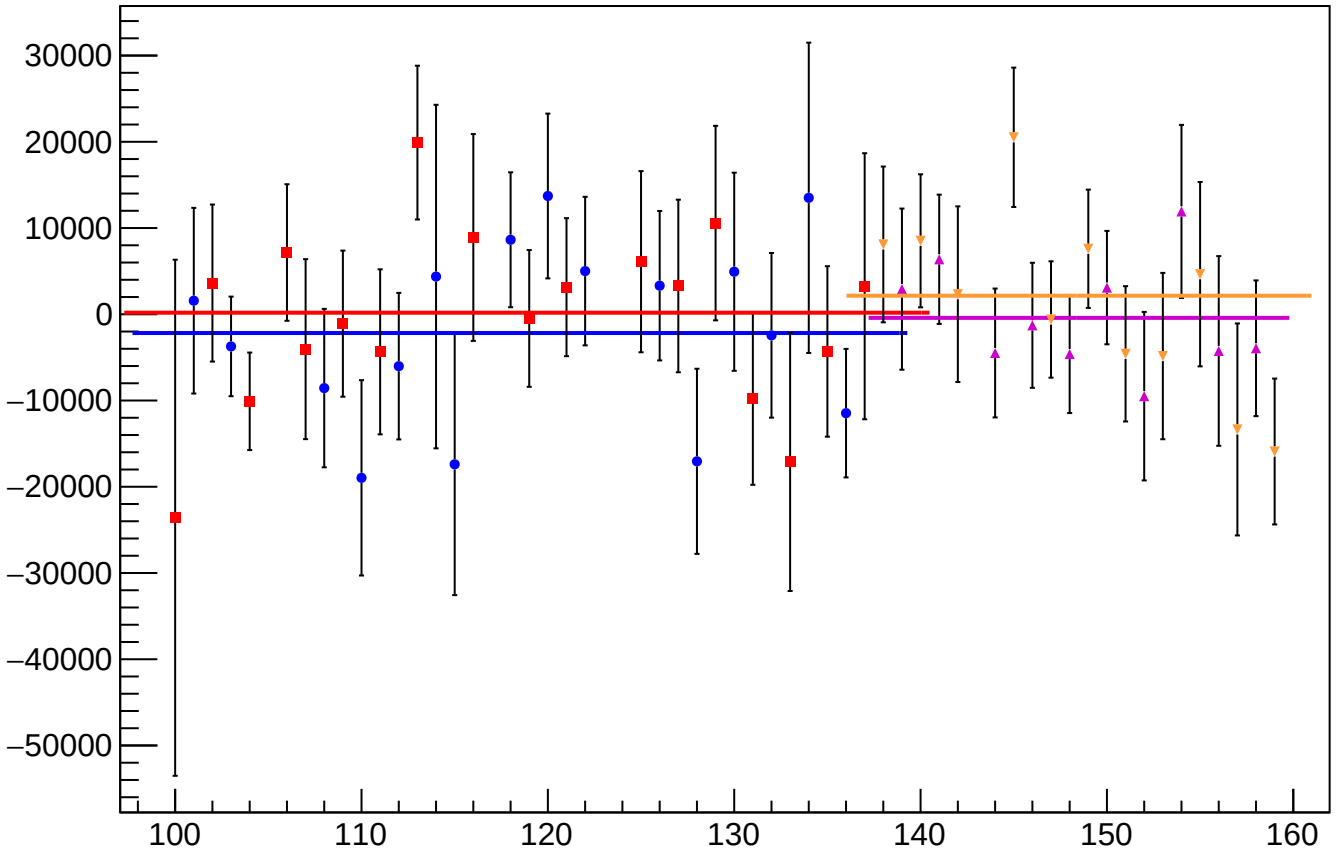
Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7672.549+/-1.865 χ^2/NDF:417713.7/9

+ sign 6785.381+/-1.234 χ^2/NDF: 1346060.2/26

All: 6508.849+/-0.841 χ^2/NDF: 3591297.0/54

- sign 6269.325+/-1.148 χ^2/NDF: 2151477.4/27



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

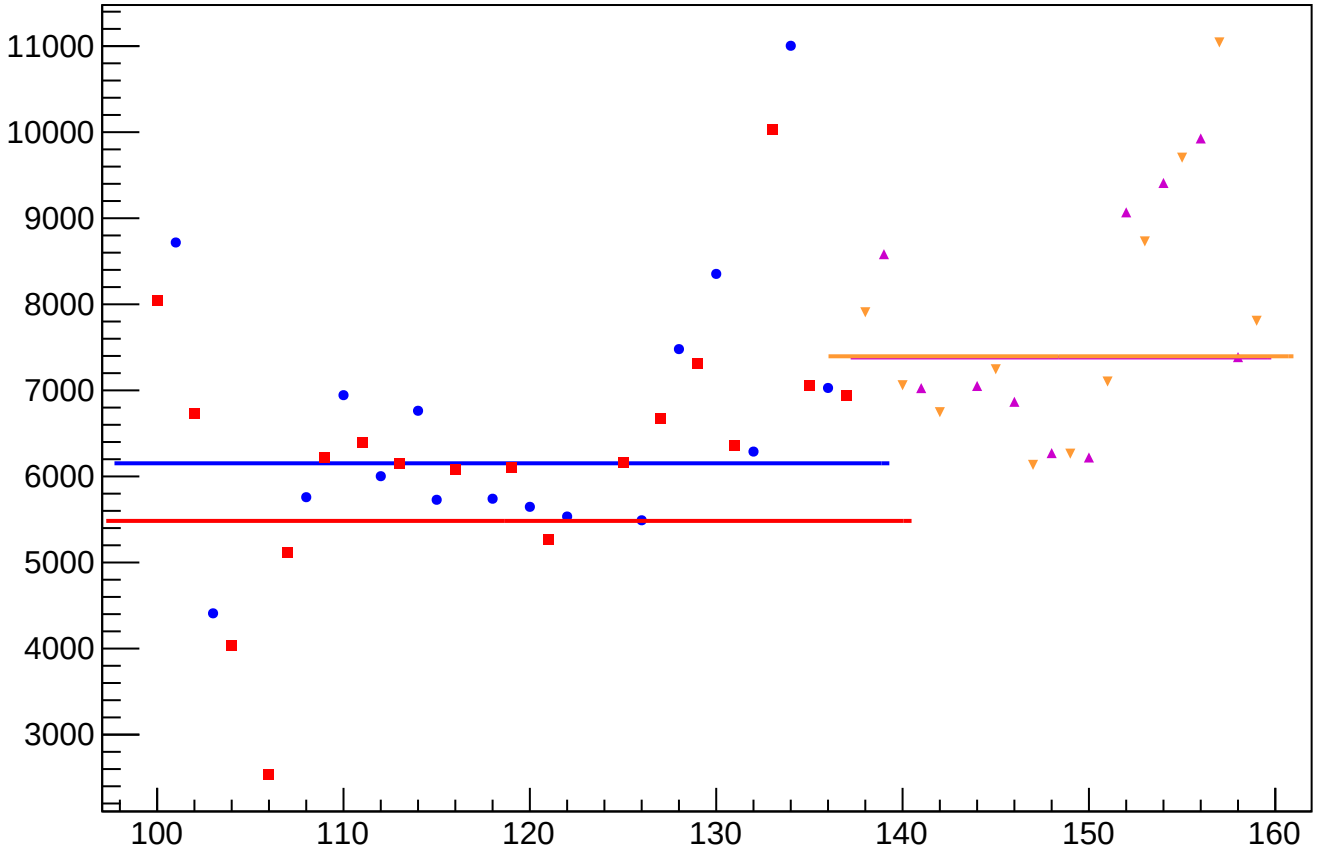
Left In: -414.567+/-2535.844 χ^2/NDF:4.6/9

+ sign -190.881+/-1727.643 χ^2/NDF: 30.7/26

All: -132.217+/-1202.259 χ^2/NDF: 50.0/54

- sign -77.130+/-1674.123 χ^2/NDF: 19.3/27

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7395.926+/-1.804 χ^2/NDF:458557.9/10

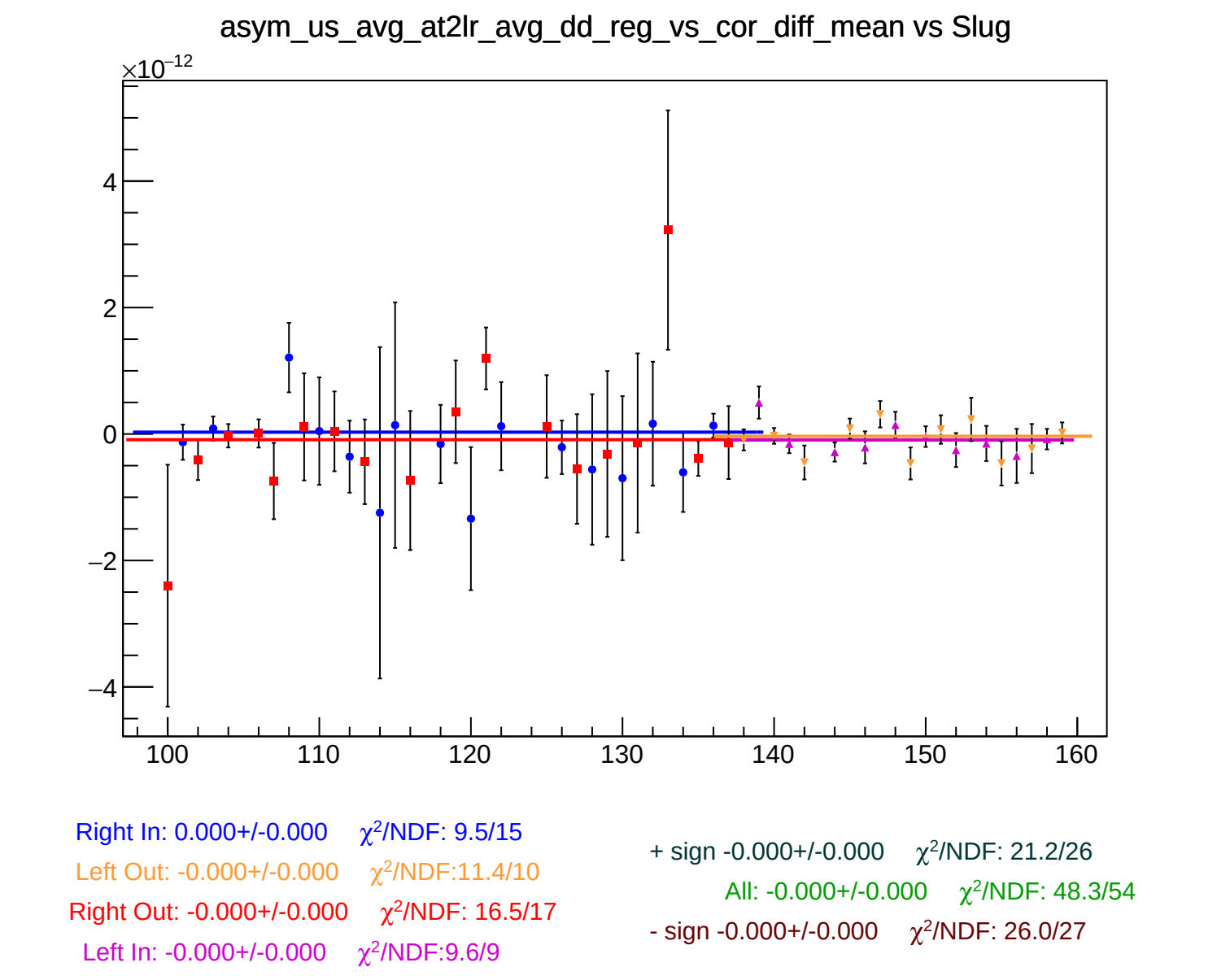
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

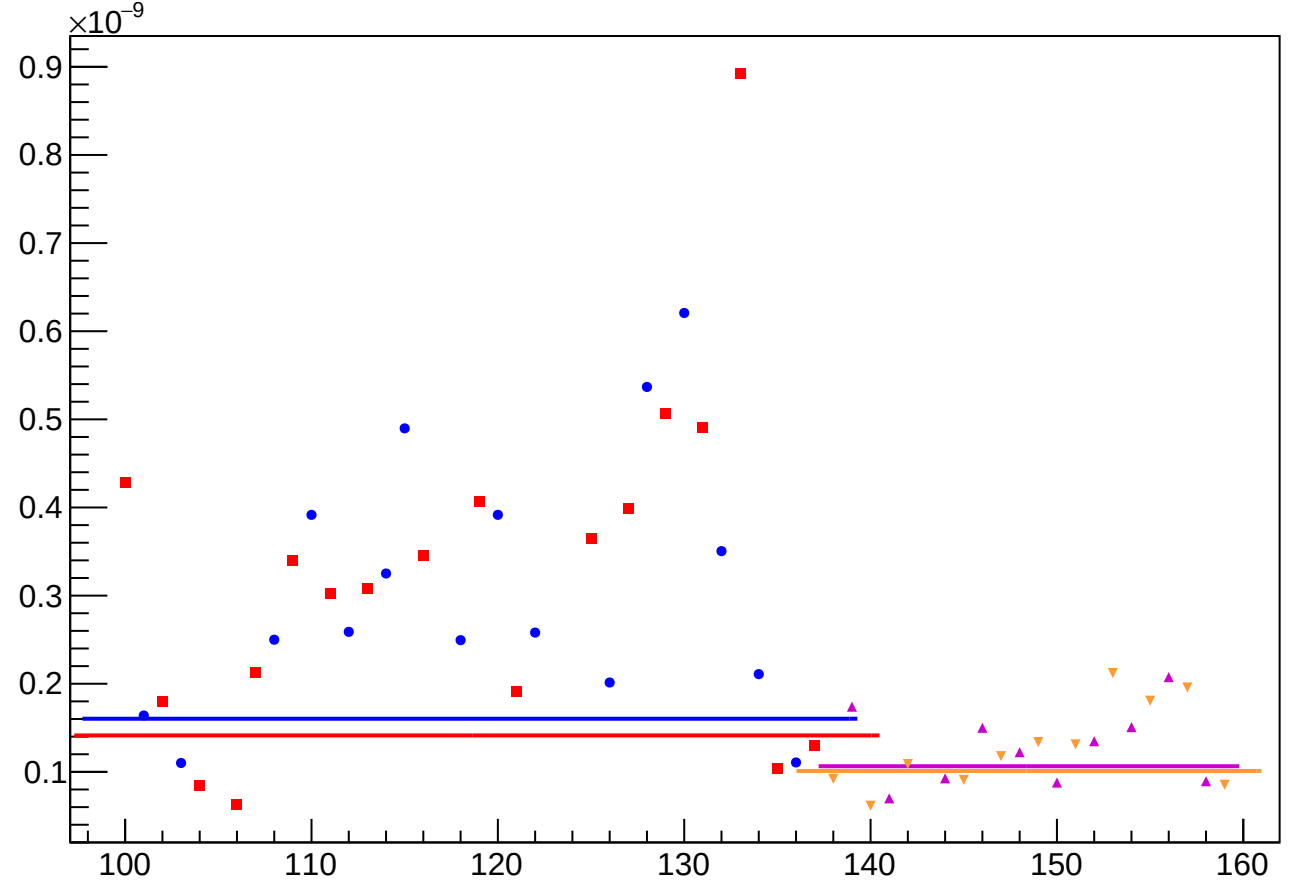
Left In: 7382.387+/-1.793 χ^2/NDF:415076.7/9

\+ sign 6722.652+/-1.222 χ^2/NDF: 1339720.4/26

All: 6488.178+/-0.841 χ^2/NDF: 3626379.4/54

\- sign 6277.044+/-1.159 χ^2/NDF: 2216647.2/27


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
4
2
0
−2
−4
100
110
120
130
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:9.6/9
+ sign -0.000+/-0.000 χ²/NDF: 21.2/26
All: -0.000+/-0.000 χ²/NDF: 48.3/54
- sign -0.000+/-0.000 χ²/NDF: 26.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:748315.4/10

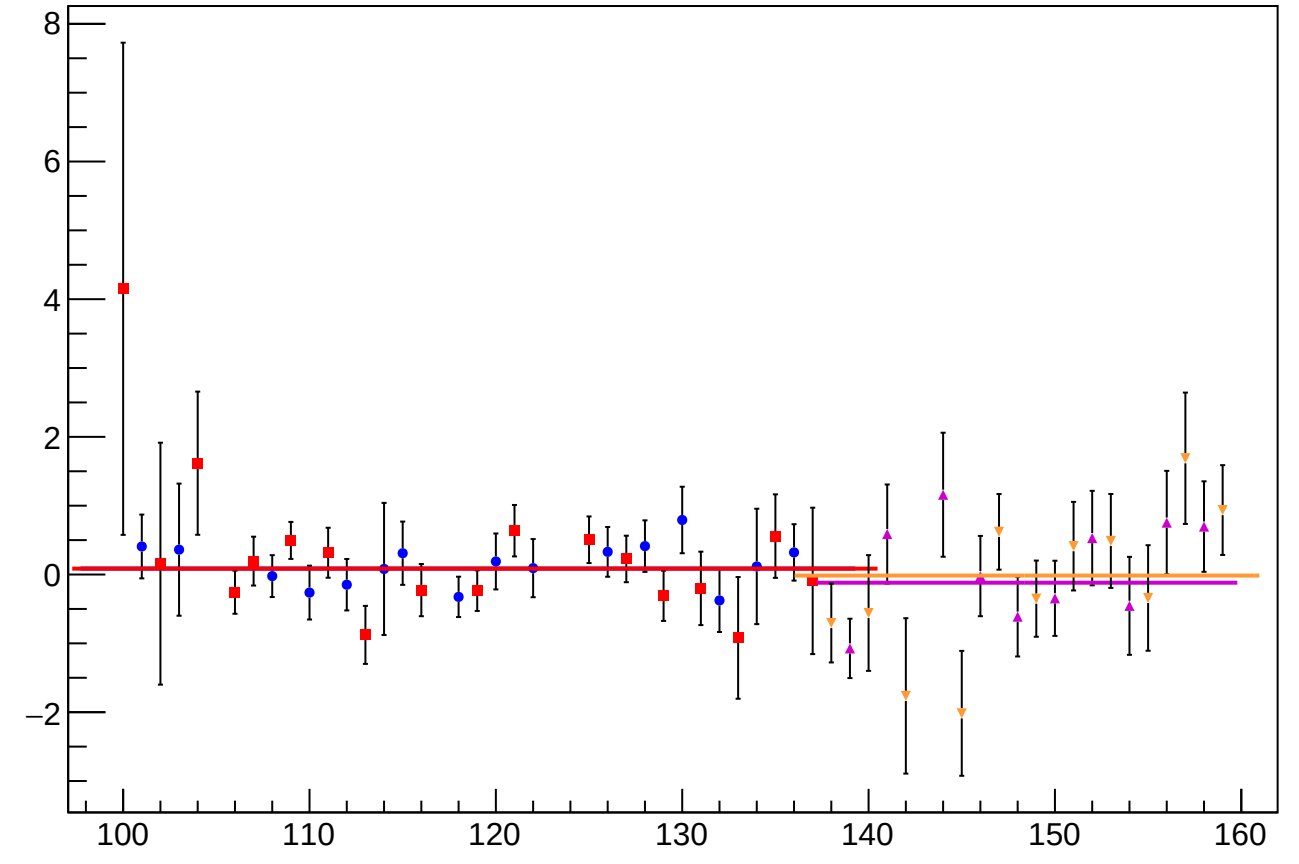
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:583977.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 2564973.3/26

All: 0.000+/-0.000 χ^2/NDF: 5483484.9/54

- sign 0.000+/-0.000 χ^2/NDF: 2918503.7/27



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.015+/-0.210 χ^2/NDF:17.3/10

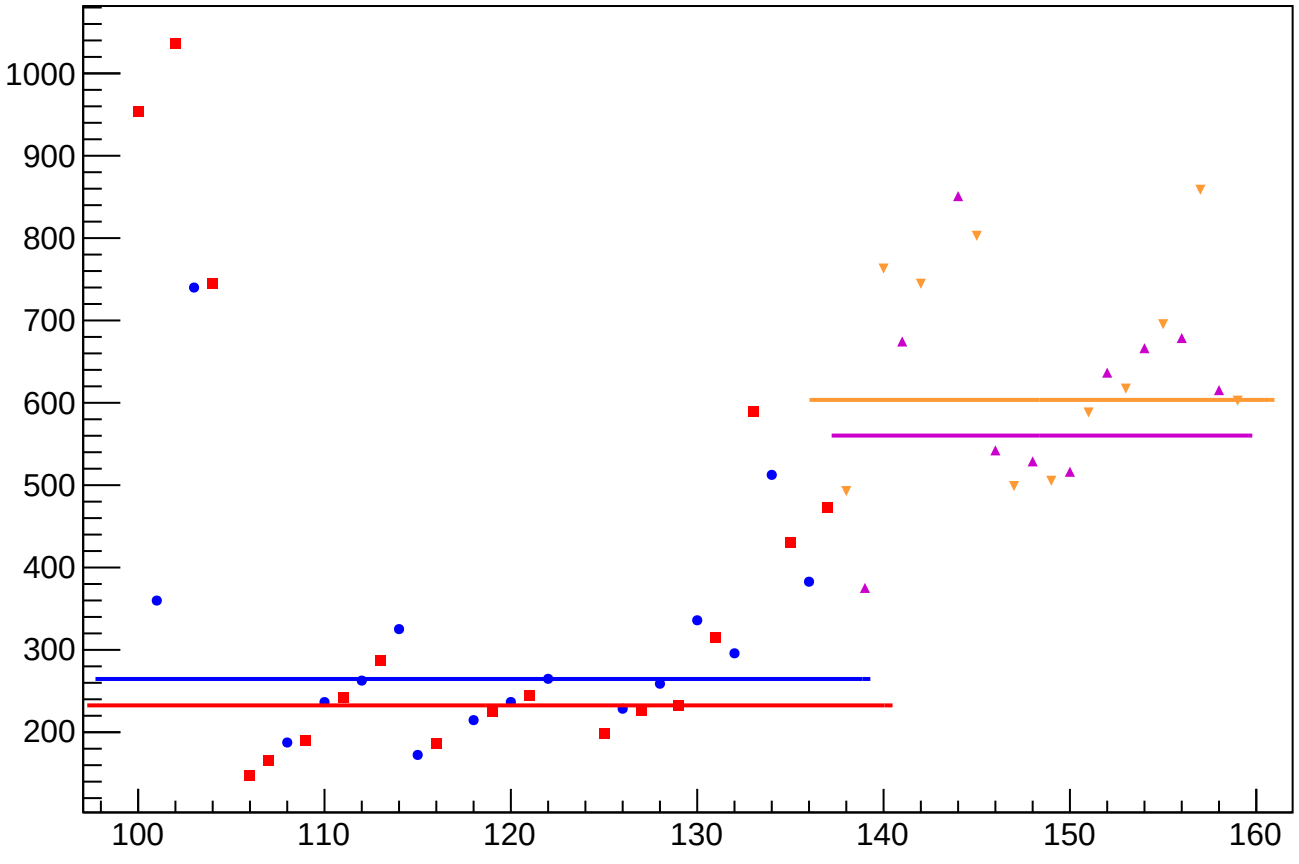
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.119+/-0.196 χ^2/NDF:12.8/9

+ sign 0.066+/-0.094 χ^2/NDF: 26.4/26

All: 0.055+/-0.064 χ^2/NDF: 61.9/54

- sign 0.045+/-0.087 χ^2/NDF: 35.5/27



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.546+/-0.148 χ^2/NDF:583644.0/10

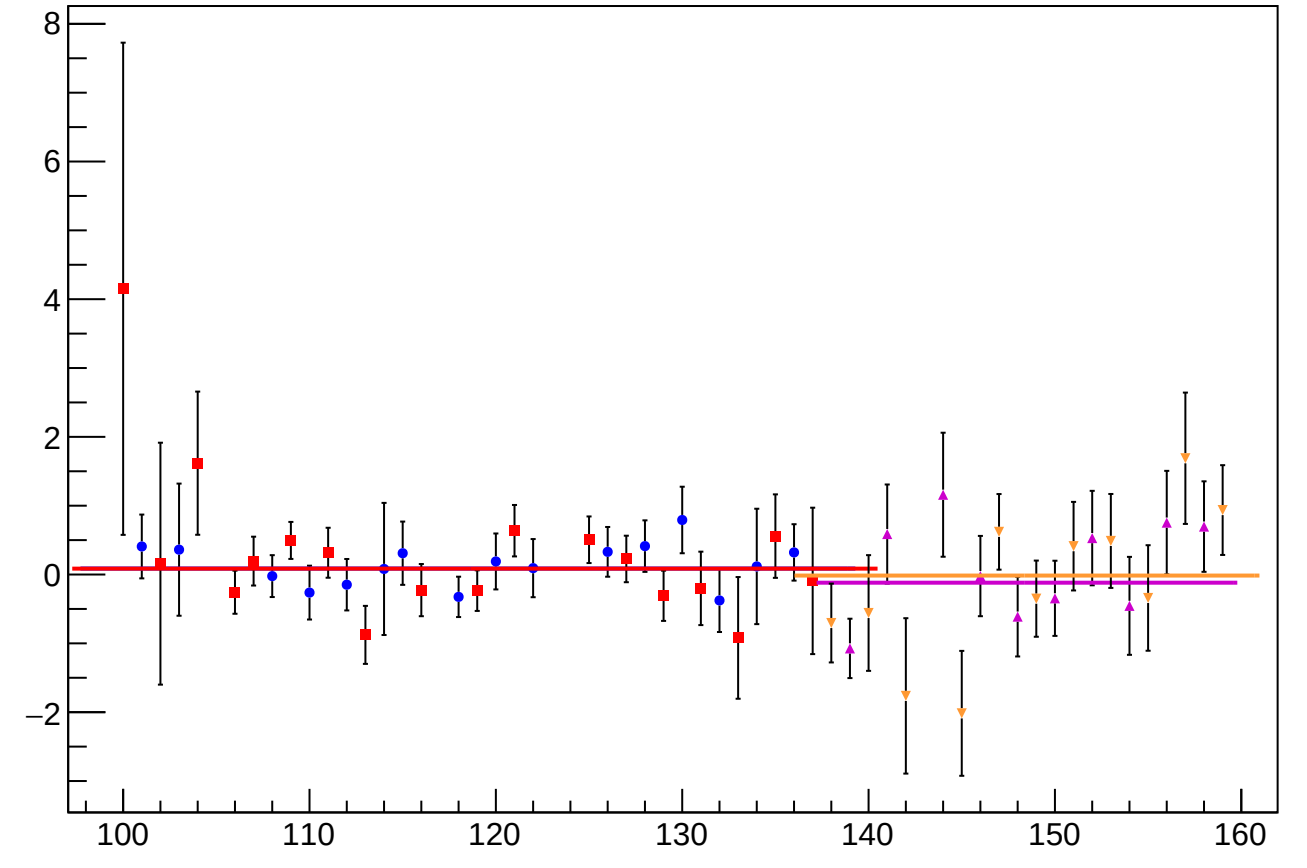
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 560.226+/-0.139 χ^2/NDF:780342.7/9

+ sign 332.725+/-0.066 χ^2/NDF: 6045290.3/26

All: 313.720+/-0.045 χ^2/NDF: 13488873.1/54

- sign 297.346+/-0.062 χ^2/NDF: 7291178.8/27



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.015+/-0.210 χ^2/NDF:17.3/10

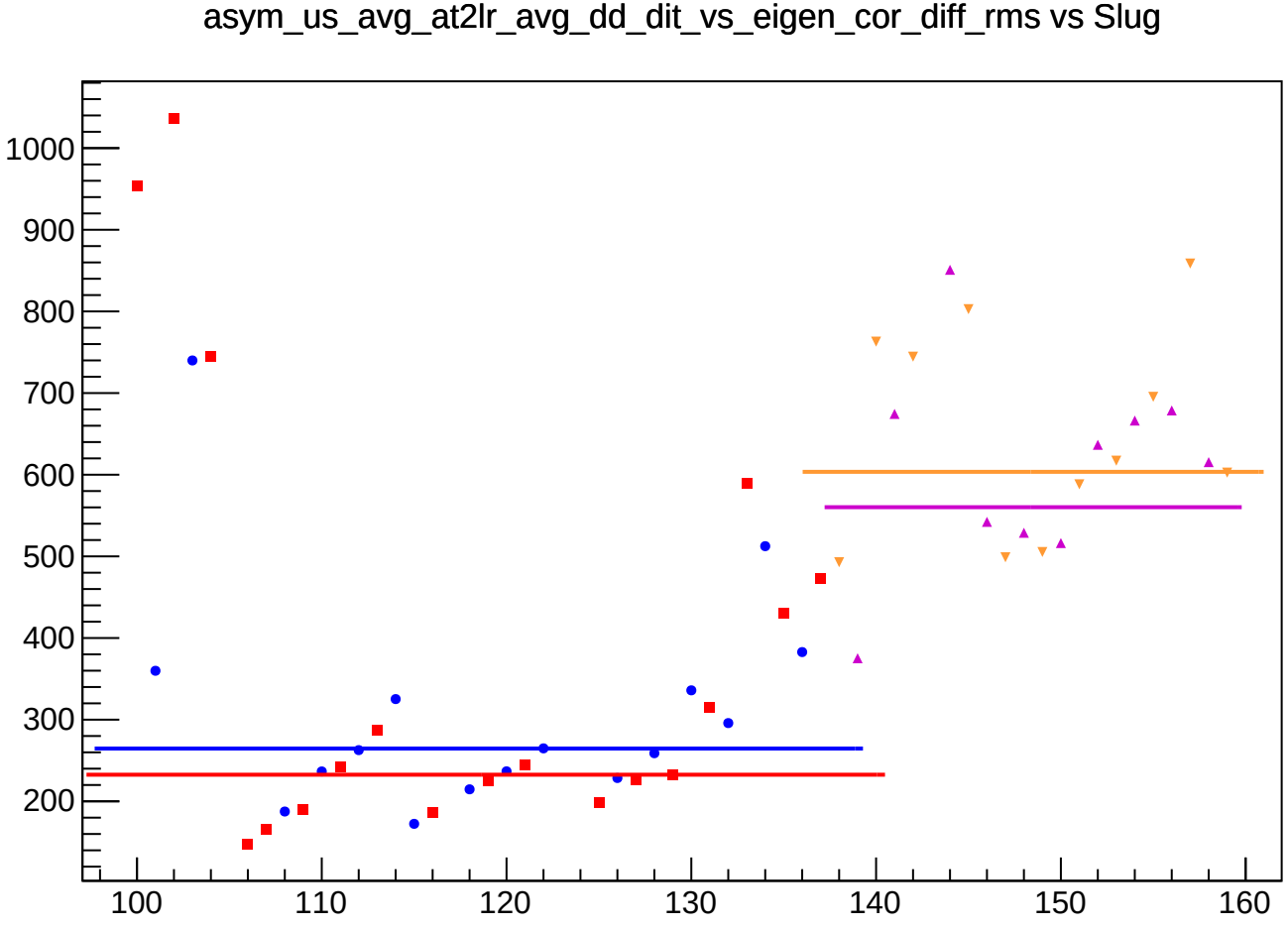
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.119+/-0.196 χ^2/NDF:12.8/9

+ sign 0.066+/-0.094 χ^2/NDF: 26.4/26

All: 0.055+/-0.064 χ^2/NDF: 61.9/54

- sign 0.045+/-0.087 χ^2/NDF: 35.5/27



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.546+/-0.148 χ^2/NDF:583644.0/10

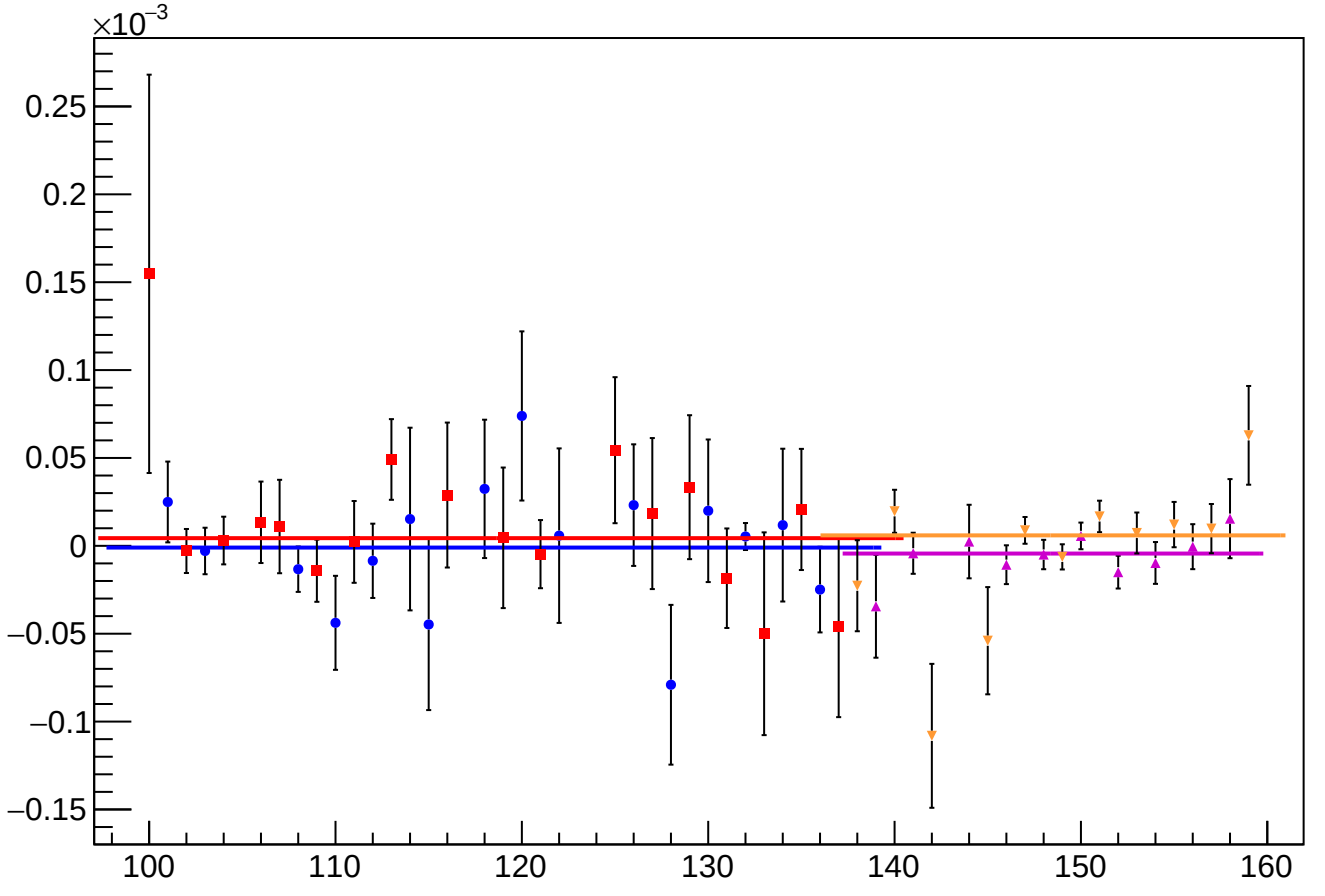
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 560.226+/-0.139 χ^2/NDF:780342.7/9

+ sign 332.725+/-0.066 χ^2/NDF: 6045290.3/26

All: 313.720+/-0.045 χ^2/NDF: 13488873.1/54

- sign 297.346+/-0.062 χ^2/NDF: 7291178.8/27



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/10

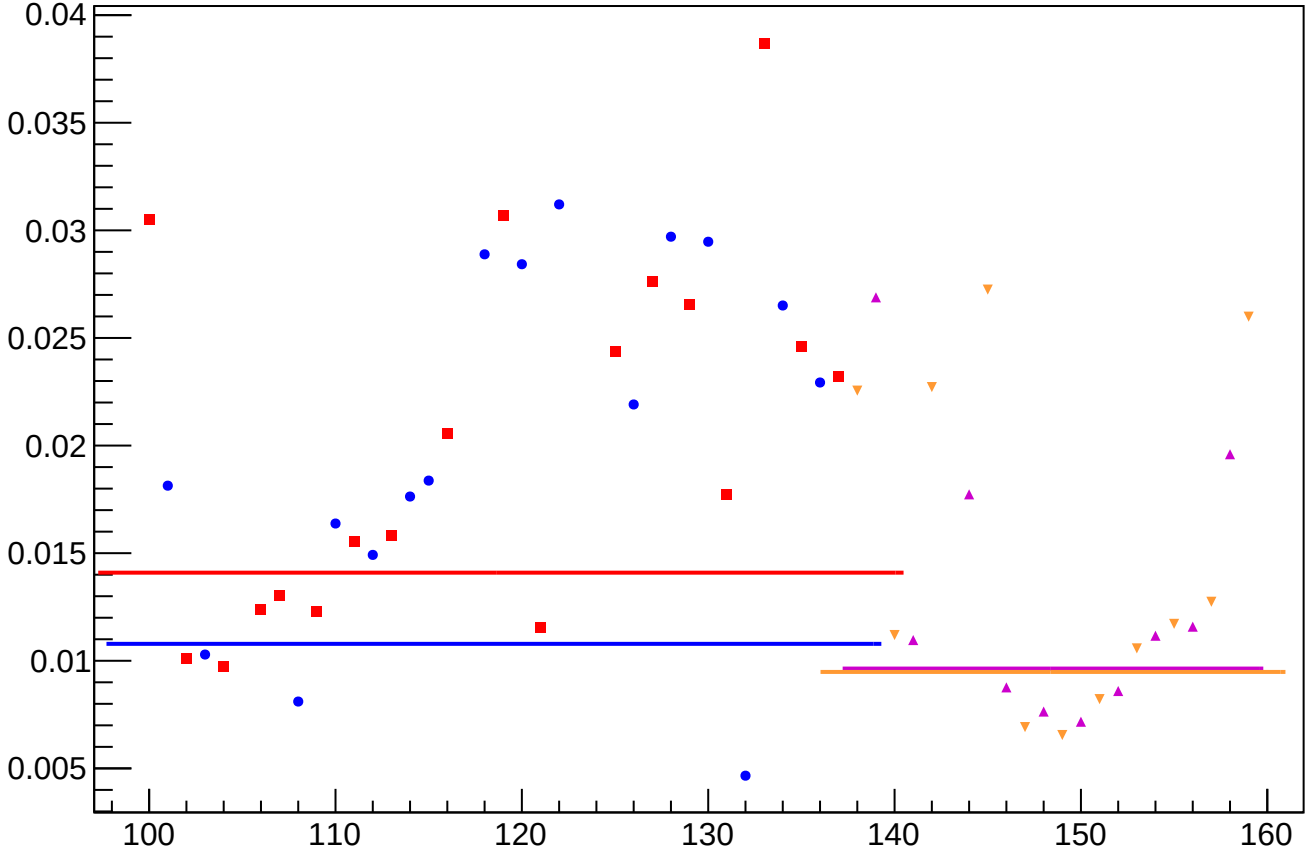
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/26

All: 0.000+/-0.000 χ^2/NDF: 60.3/54

- sign -0.000+/-0.000 χ^2/NDF: 19.9/27



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2913320.6/10

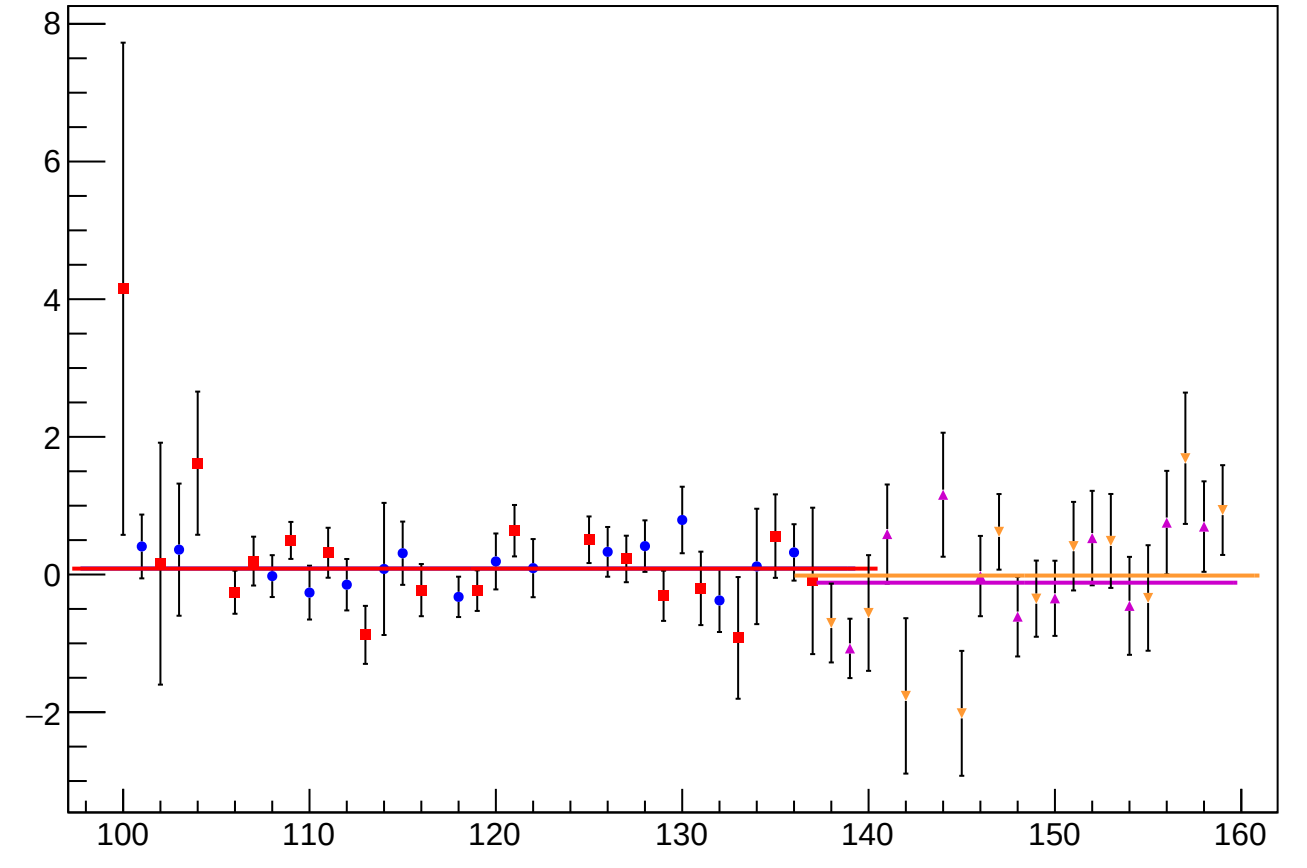
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:1855366.7/9

+ sign 0.010+/-0.000 χ^2/NDF: 7584605.5/26

All: 0.010+/-0.000 χ^2/NDF: 12499878.6/54

- sign 0.011+/-0.000 χ^2/NDF: 4808457.5/27



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.015+/-0.210 χ^2/NDF:17.3/10

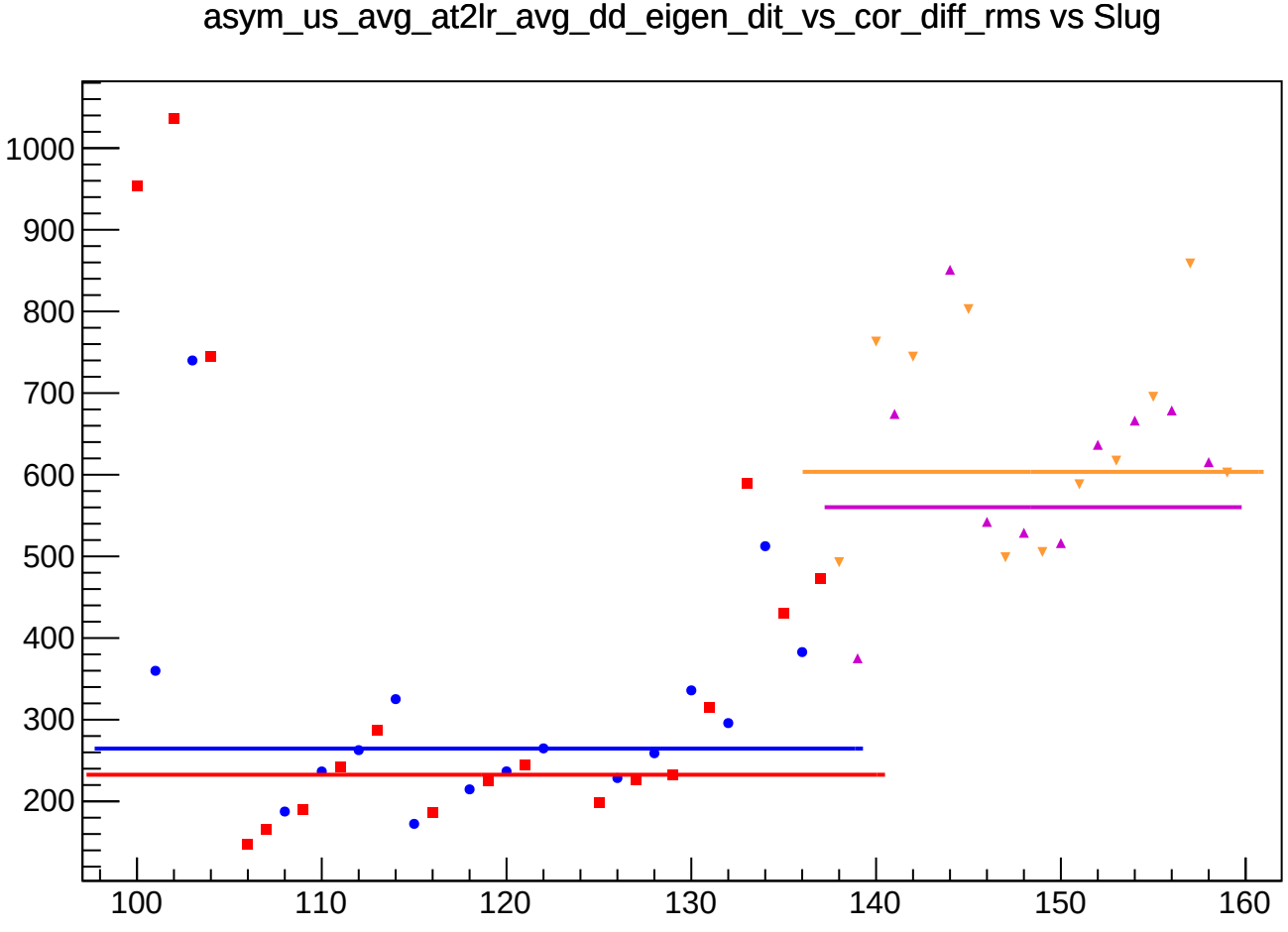
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.119+/-0.196 χ^2/NDF:12.8/9

+ sign 0.066+/-0.094 χ^2/NDF: 26.4/26

All: 0.055+/-0.064 χ^2/NDF: 61.9/54

- sign 0.045+/-0.087 χ^2/NDF: 35.5/27



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

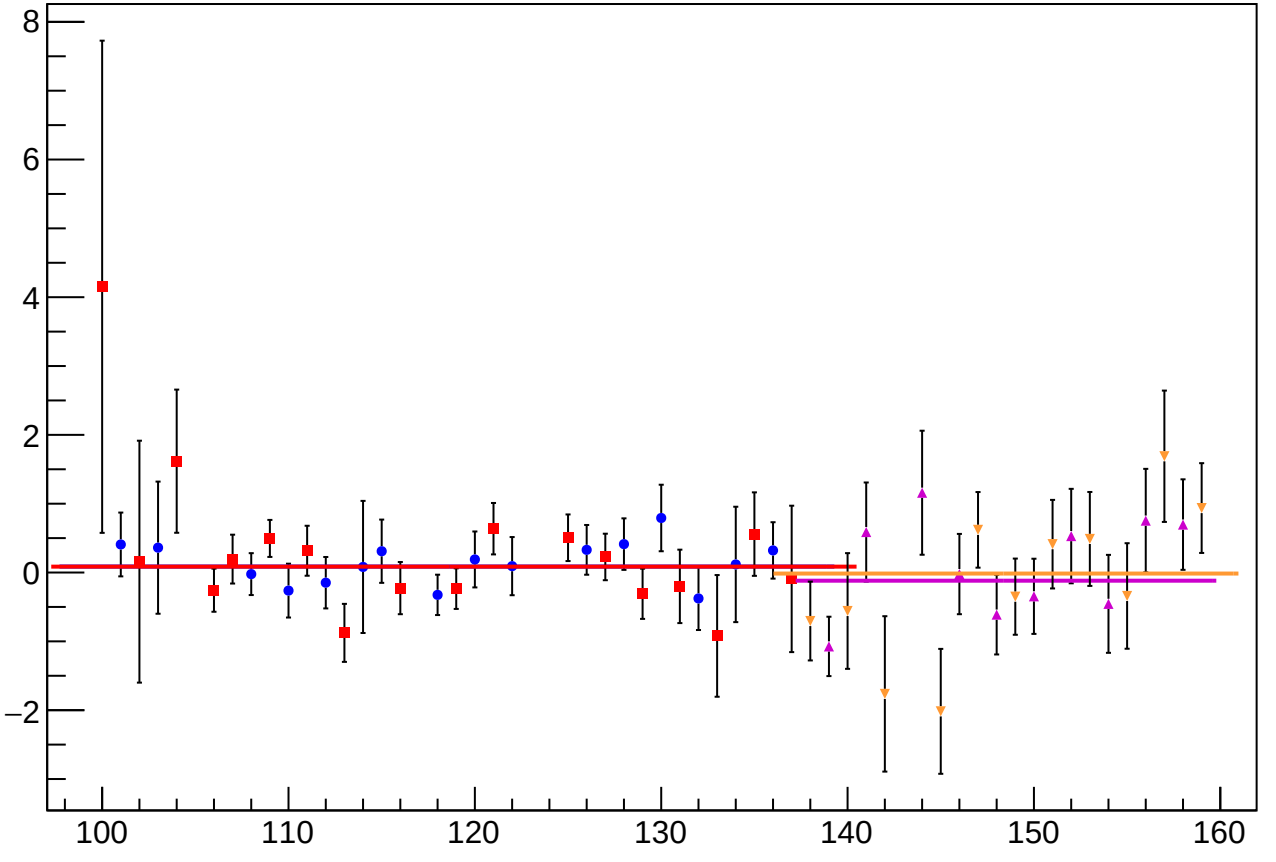
Left In: 560.233+/-0.139 χ^2/NDF:780314.1/9

+ sign 332.725+/-0.066 χ^2/NDF: 6045361.7/26

All: 313.720+/-0.045 χ^2/NDF: 13488995.7/54

- sign 297.347+/-0.062 χ^2/NDF: 7291240.3/27

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.015+/-0.210 χ^2/NDF:17.3/10

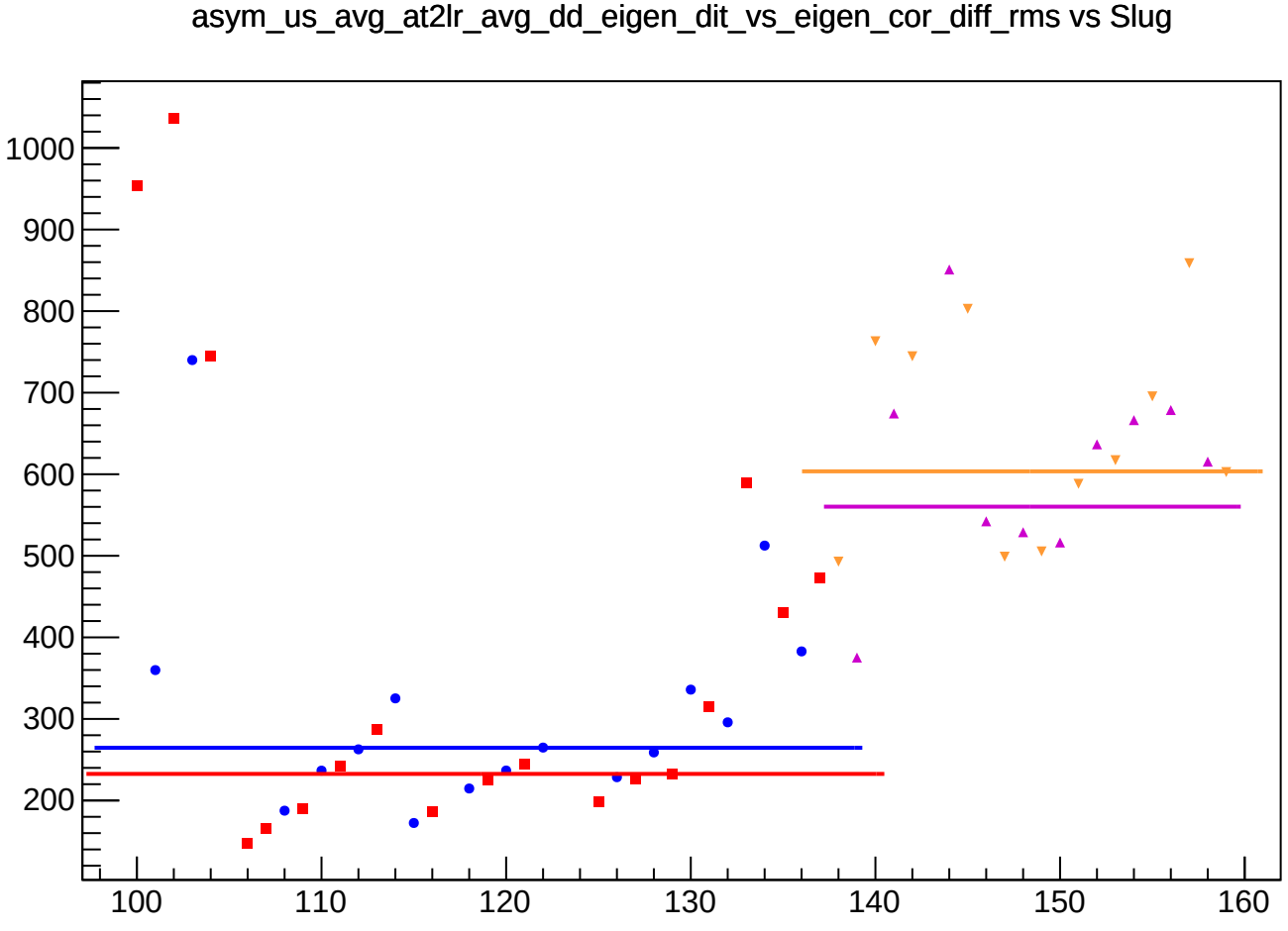
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

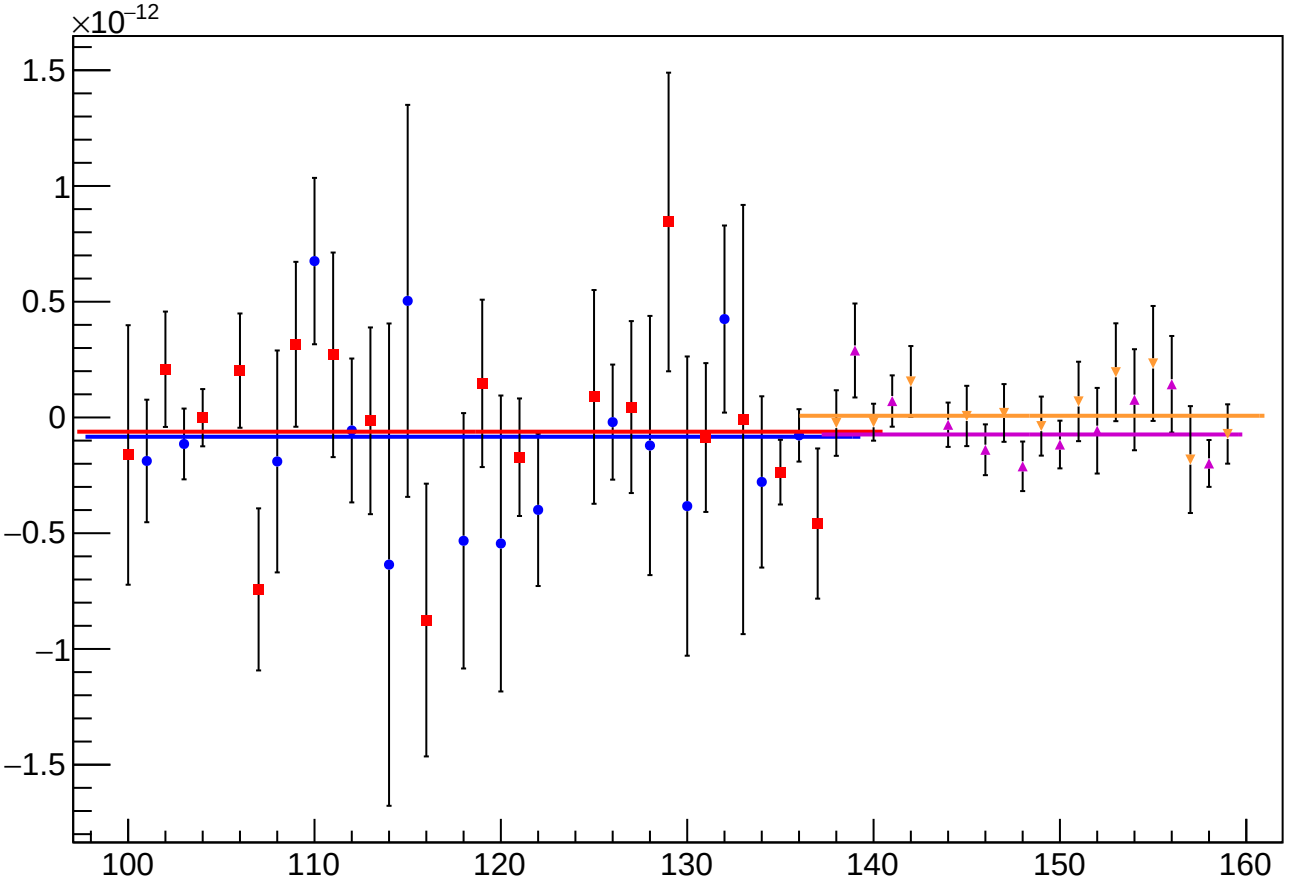
Left In: -0.119+/-0.196 χ^2/NDF:12.8/9

+ sign 0.066+/-0.094 χ^2/NDF: 26.4/26

All: 0.055+/-0.064 χ^2/NDF: 61.9/54

- sign 0.045+/-0.087 χ^2/NDF: 35.5/27


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
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: 560.233+/-0.139 χ²/NDF:780314.1/9
+ sign 332.725+/-0.066 χ²/NDF: 6045361.7/26
All: 313.720+/-0.045 χ²/NDF: 13488995.7/54
- sign 297.347+/-0.062 χ²/NDF: 7291240.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/10

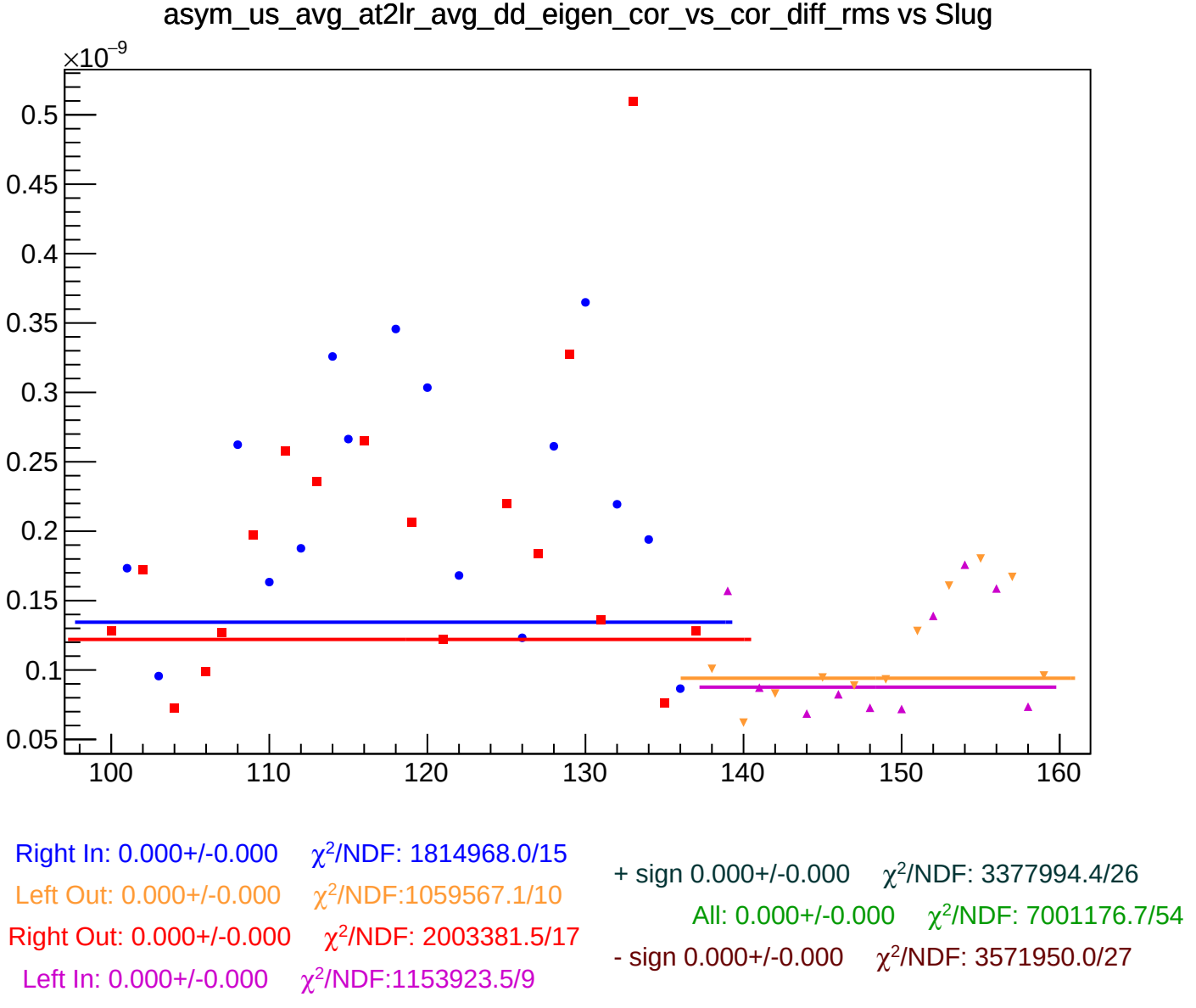
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.4/9

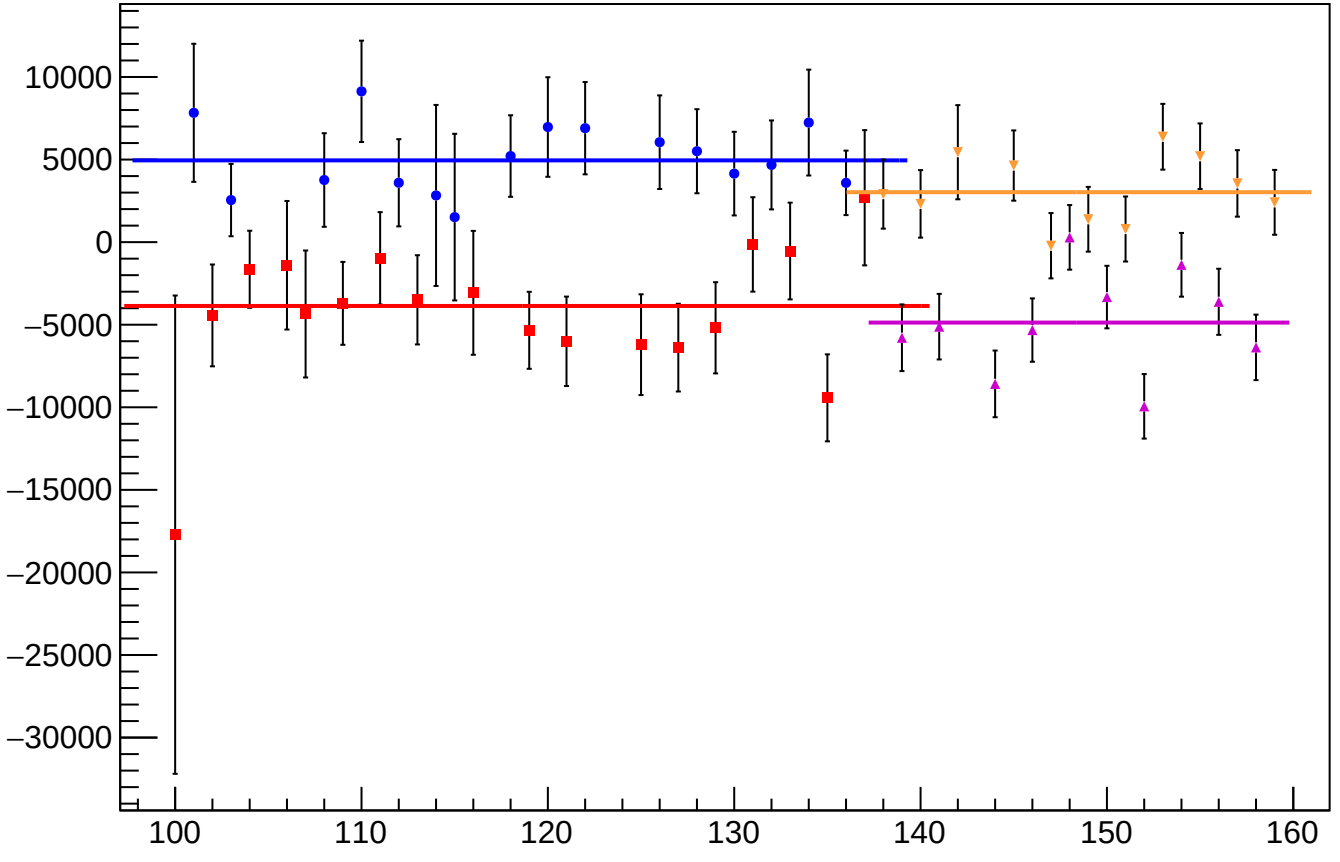
+ sign -0.000+/-0.000 χ^2/NDF: 15.0/26

All: -0.000+/-0.000 χ^2/NDF: 42.4/54

- sign -0.000+/-0.000 χ^2/NDF: 26.1/27


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1059567.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1153923.5/9
+ sign 0.000+/-0.000 χ²/NDF: 3377994.4/26
All: 0.000+/-0.000 χ²/NDF: 7001176.7/54
- sign 0.000+/-0.000 χ²/NDF: 3571950.0/27

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

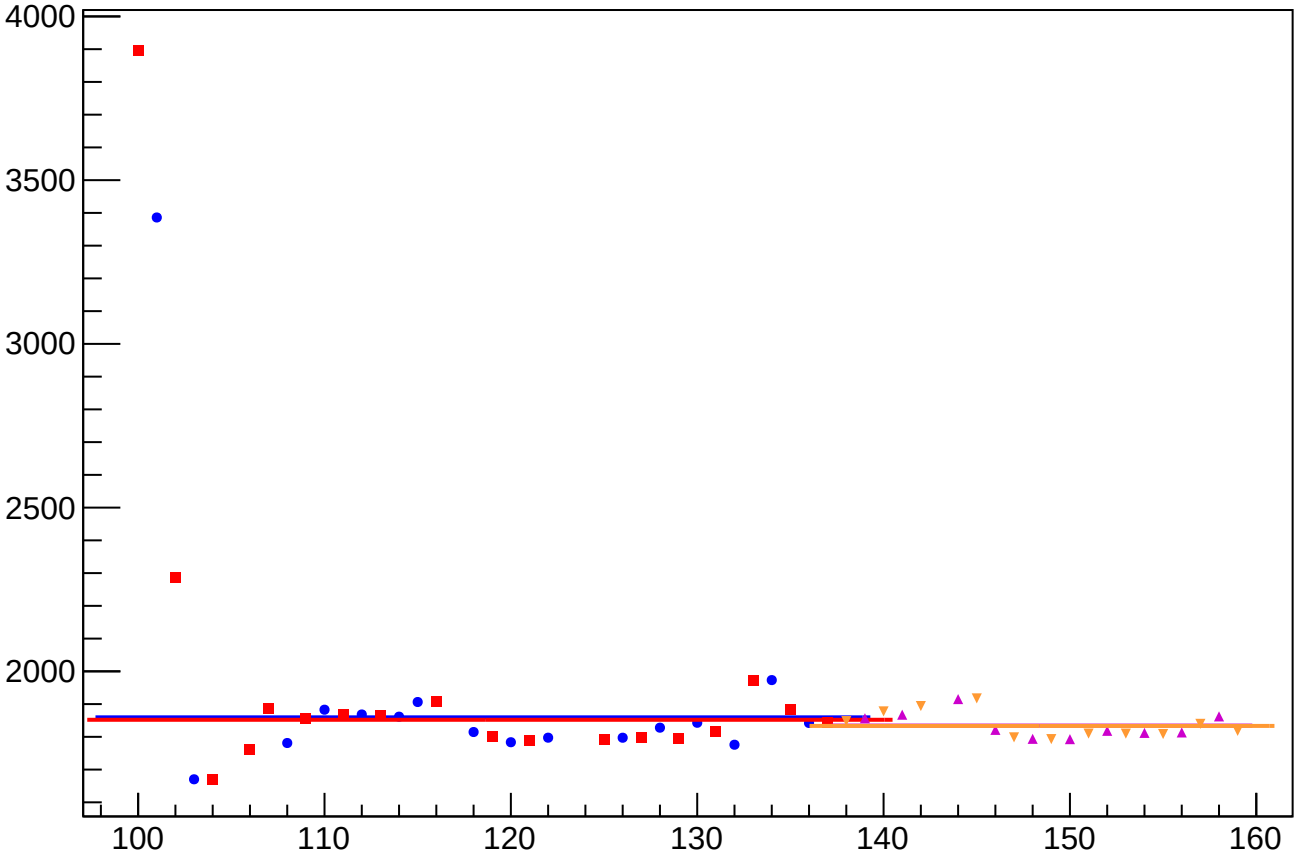
Left In: -4870.810+/-621.177 χ^2/NDF:22.3/9

+ sign 3872.723+/-464.052 χ^2/NDF: 21.4/26

All: -282.047+/-327.896 χ^2/NDF: 221.1/54

- sign -4424.764+/-463.378 χ^2/NDF: 39.6/27

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

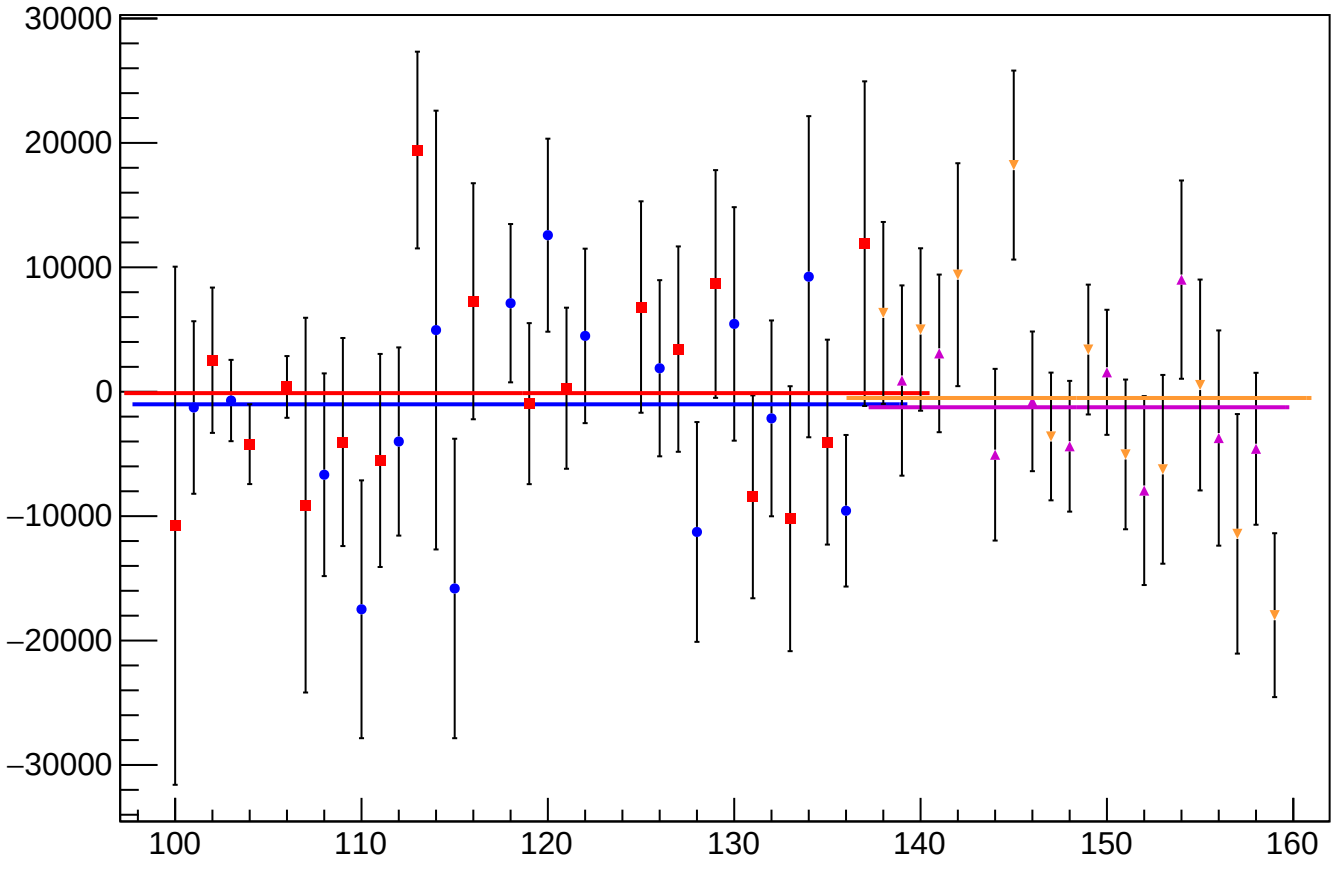
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

+ sign 1844.874+/-0.328 χ^2/NDF: 301447.0/26

All: 1843.547+/-0.232 χ^2/NDF: 411367.1/54

- sign 1842.227+/-0.327 χ^2/NDF: 109887.5/27



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -502.158+/-2043.846 χ^2/NDF:19.3/10

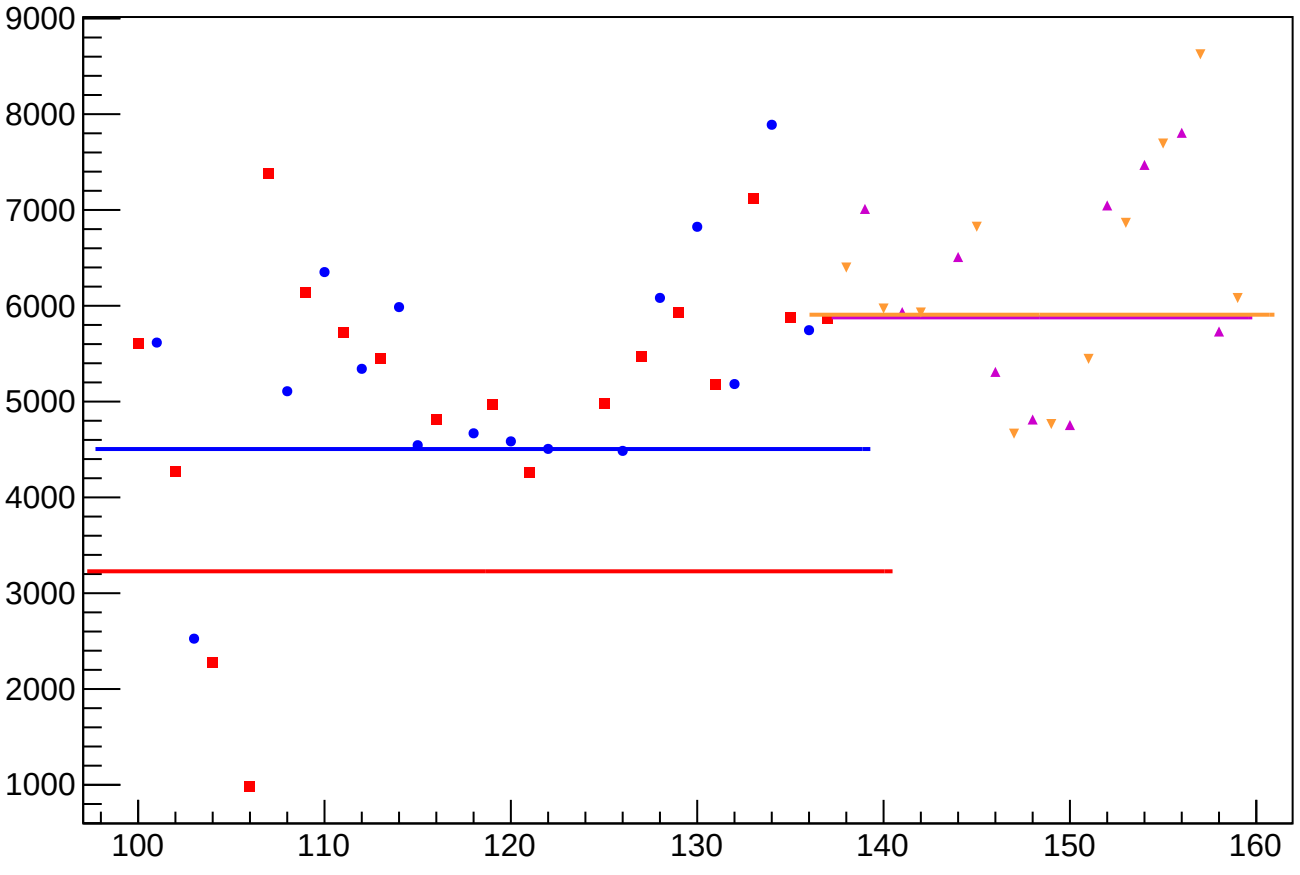
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1247.503+/-2025.193 χ^2/NDF:4.3/9

+ sign -793.340+/-1335.482 χ^2/NDF: 34.0/26

All: -623.370+/-881.217 χ^2/NDF: 53.3/54

- sign -492.294+/-1172.769 χ^2/NDF: 19.2/27



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

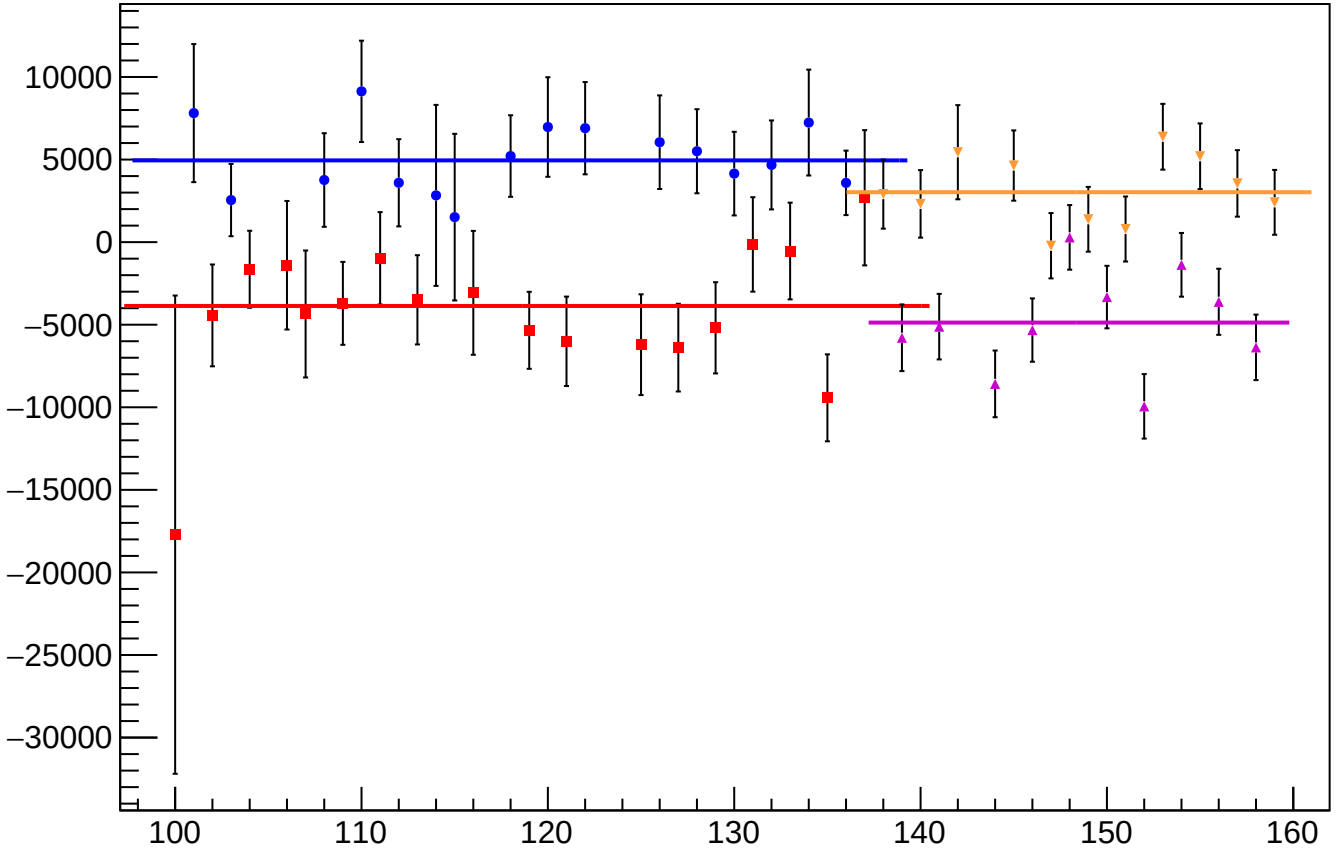
Left In: 5878.895+/-1.432 χ^2/NDF:490935.6/9

+ sign 5103.387+/-0.944 χ^2/NDF: 2404924.1/26

All: 4546.681+/-0.623 χ^2/NDF: 9744375.4/54

- sign 4117.367+/-0.829 χ^2/NDF: 6723898.1/27

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3023.094+/-620.567 χ^2/NDF:10.3/10

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

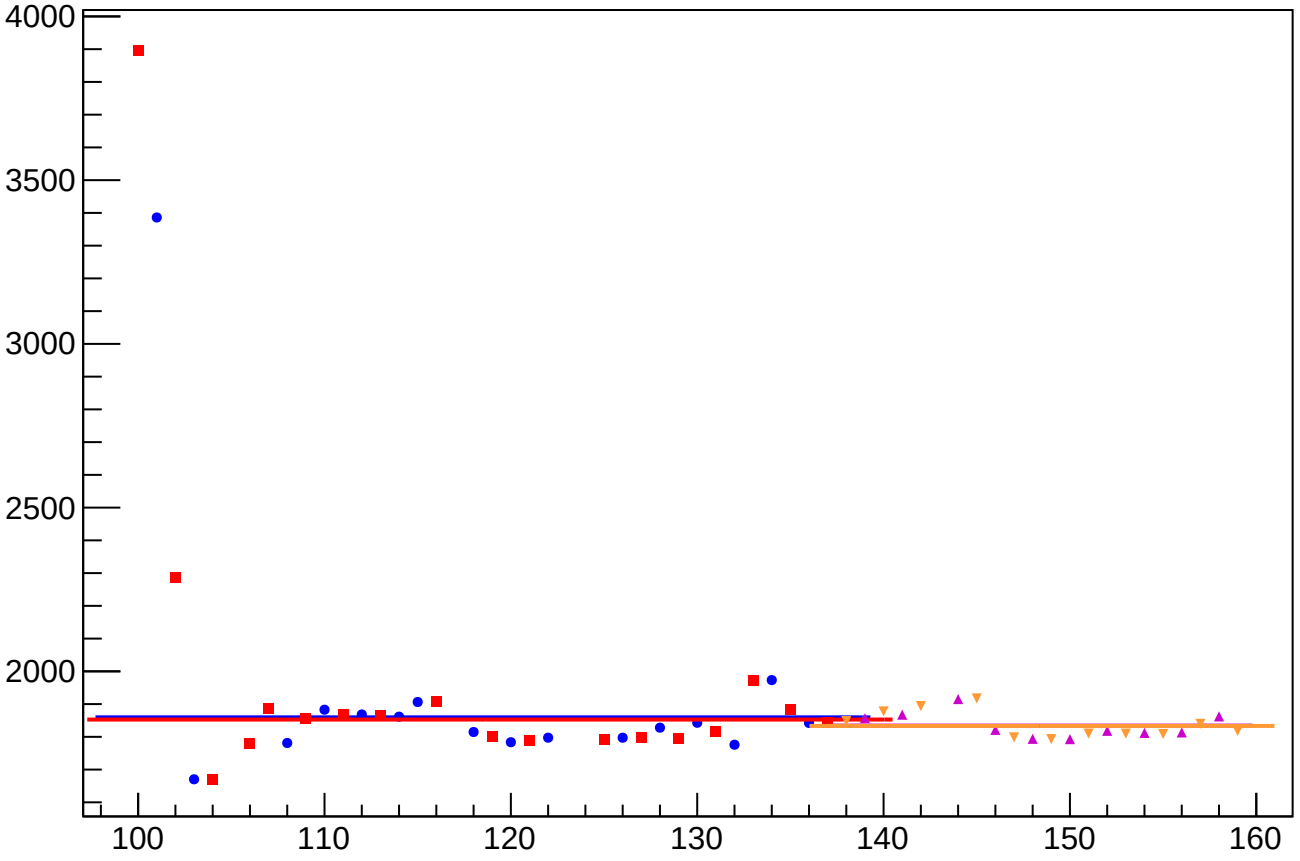
Left In: -4871.019+/-621.177 χ^2/NDF:22.3/9

+ sign 3872.432+/-464.052 χ^2/NDF: 21.4/26

All: -282.203+/-327.896 χ^2/NDF: 221.1/54

- sign -4424.785+/-463.378 χ^2/NDF: 39.6/27

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

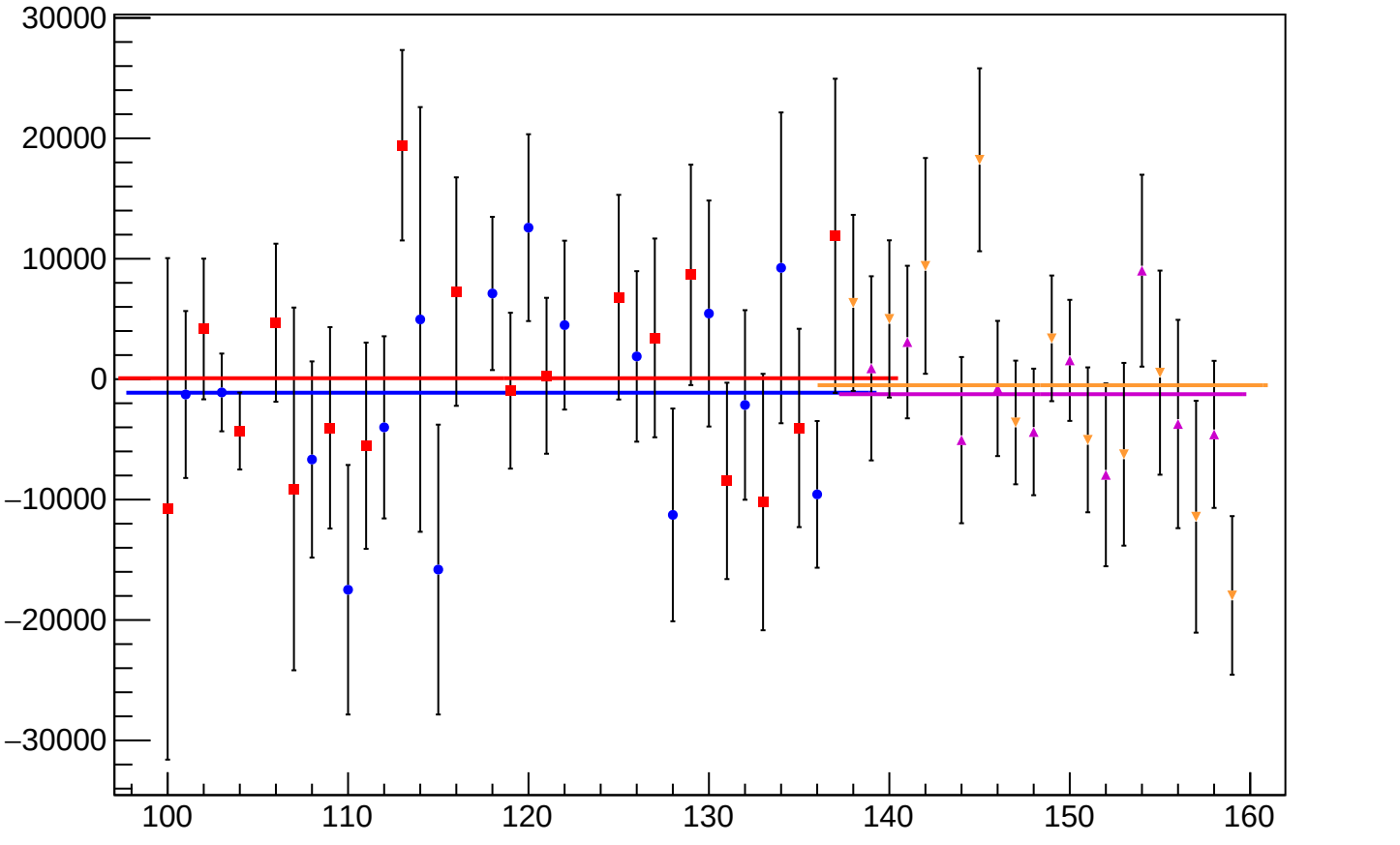
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

+ sign 1844.874+/-0.328 χ^2/NDF: 301448.9/26

All: 1843.703+/-0.232 χ^2/NDF: 410958.4/54

- sign 1842.538+/-0.327 χ^2/NDF: 109484.0/27



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -502.305+/-2043.845 χ^2/NDF:19.3/10

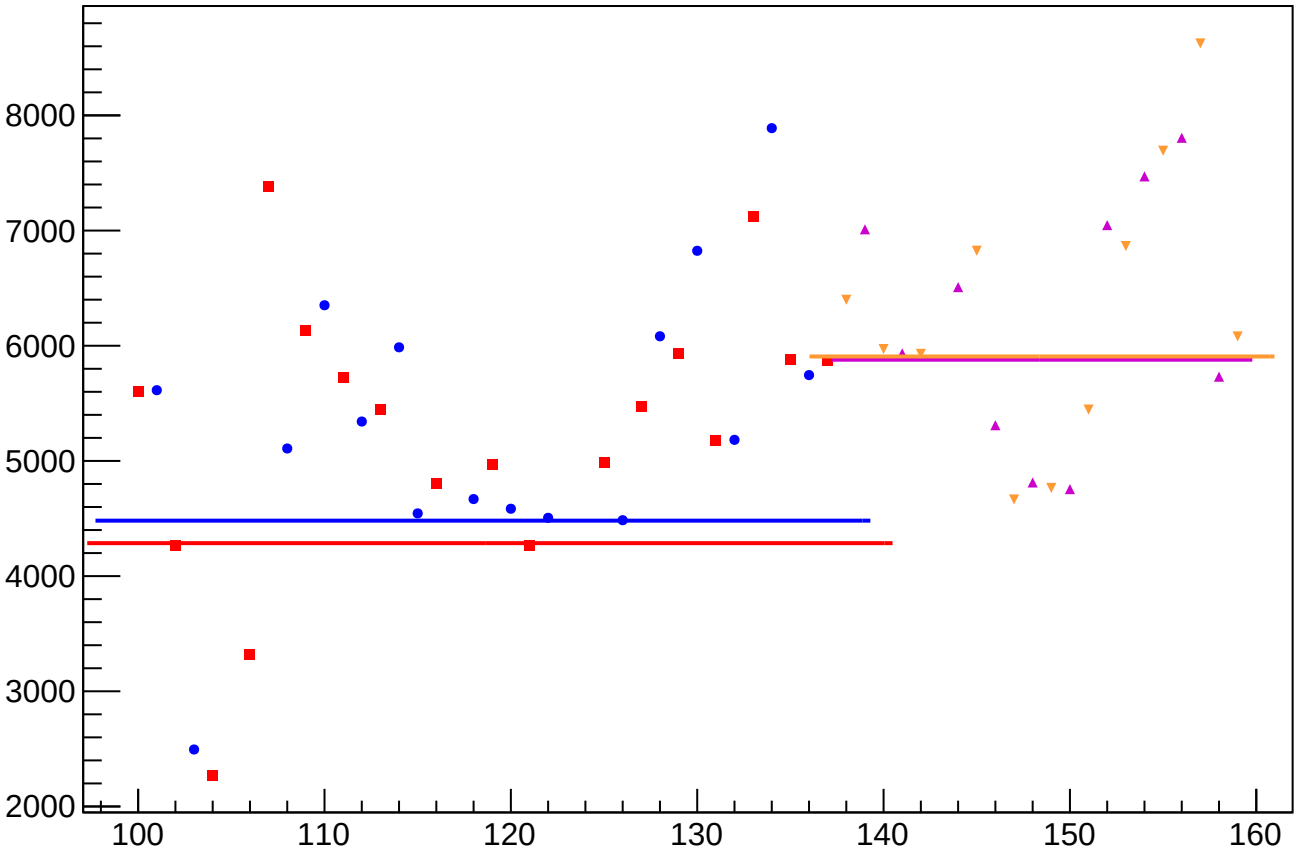
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1247.692+/-2025.192 χ^2/NDF:4.3/9

+ sign -860.555+/-1332.741 χ^2/NDF: 34.0/26

All: -661.284+/-931.757 χ^2/NDF: 54.2/54

- sign -470.760+/-1303.163 χ^2/NDF: 20.1/27



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5906.810+/-1.445 χ^2/NDF:544519.5/10

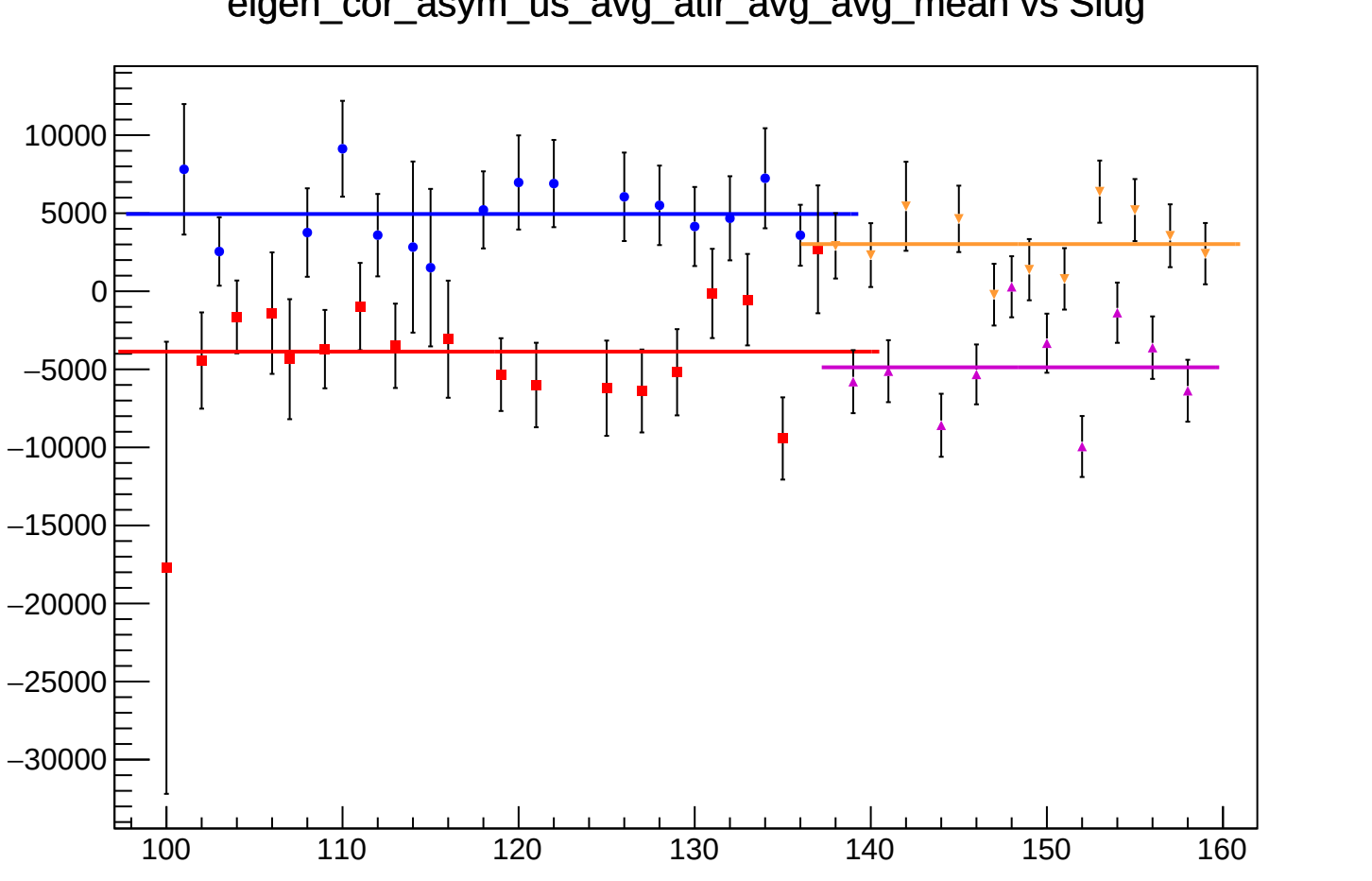
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5878.892+/-1.432 χ^2/NDF:490938.7/9

+ sign 5087.556+/-0.942 χ^2/NDF: 2465832.6/26

All: 5015.000+/-0.659 χ^2/NDF: 5243078.9/54

- sign 4945.629+/-0.921 χ^2/NDF: 2765651.3/27



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3023.094+/-620.567 χ^2/NDF:10.3/10

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

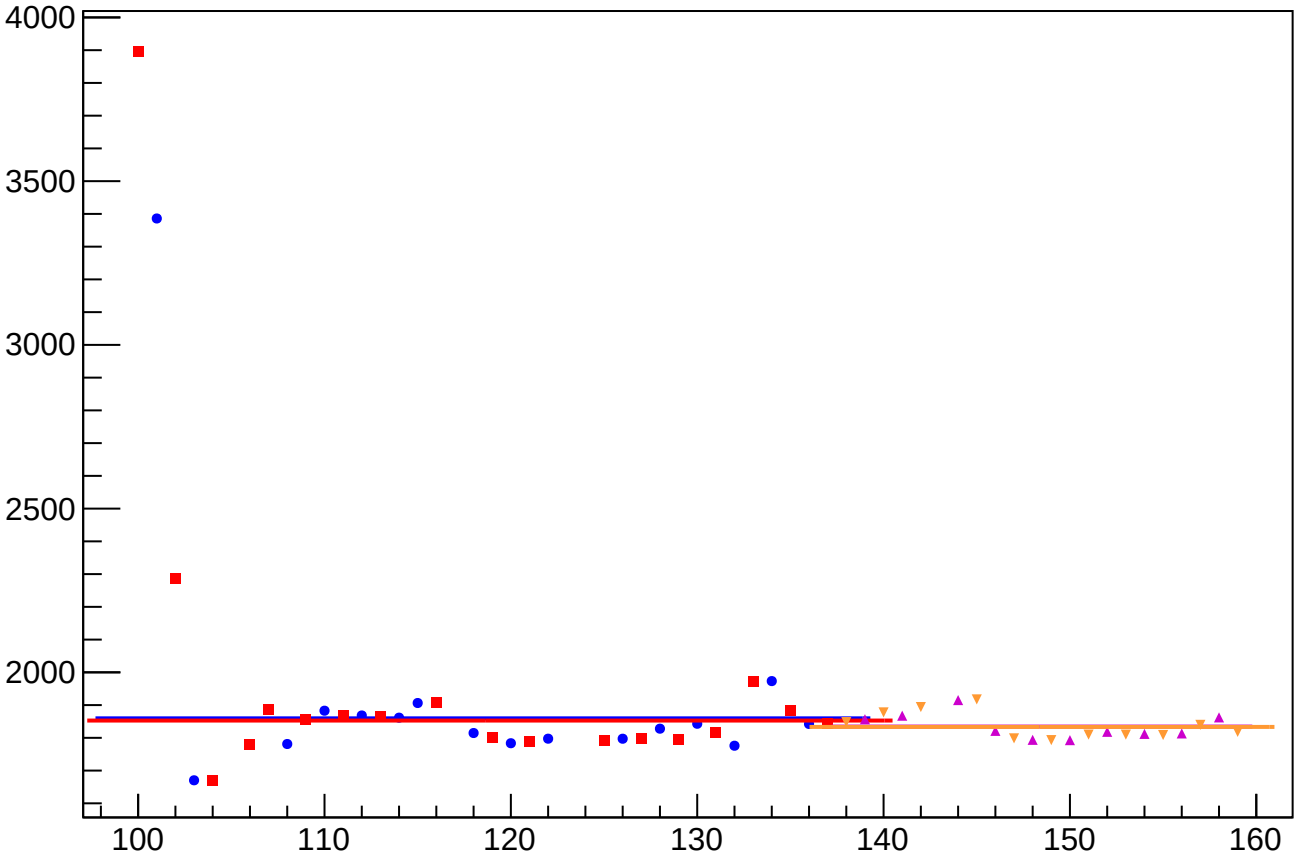
Left In: -4871.019+/-621.177 χ^2/NDF:22.3/9

+ sign 3872.432+/-464.052 χ^2/NDF: 21.4/26

All: -282.203+/-327.896 χ^2/NDF: 221.1/54

- sign -4424.785+/-463.378 χ^2/NDF: 39.6/27

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

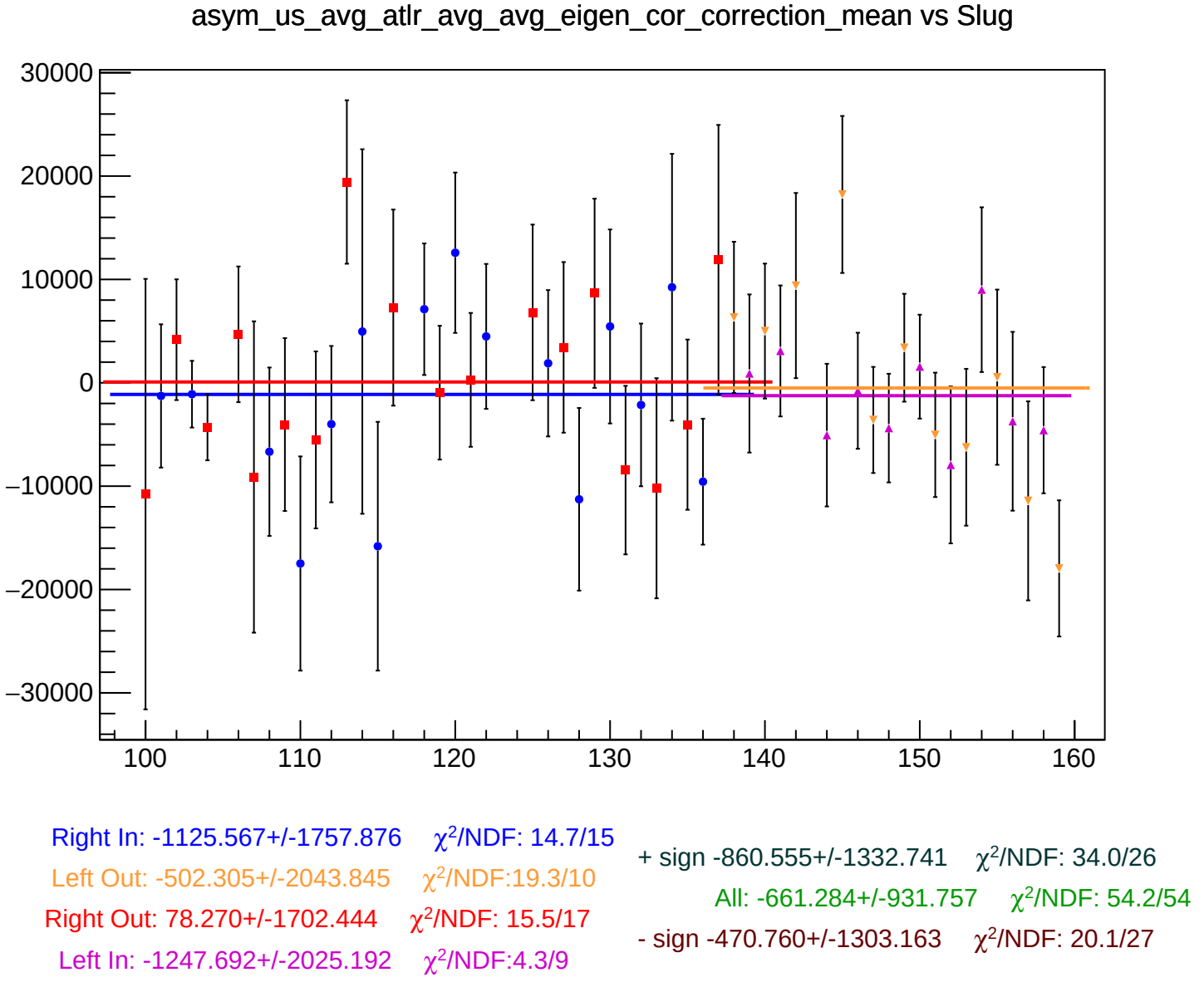
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

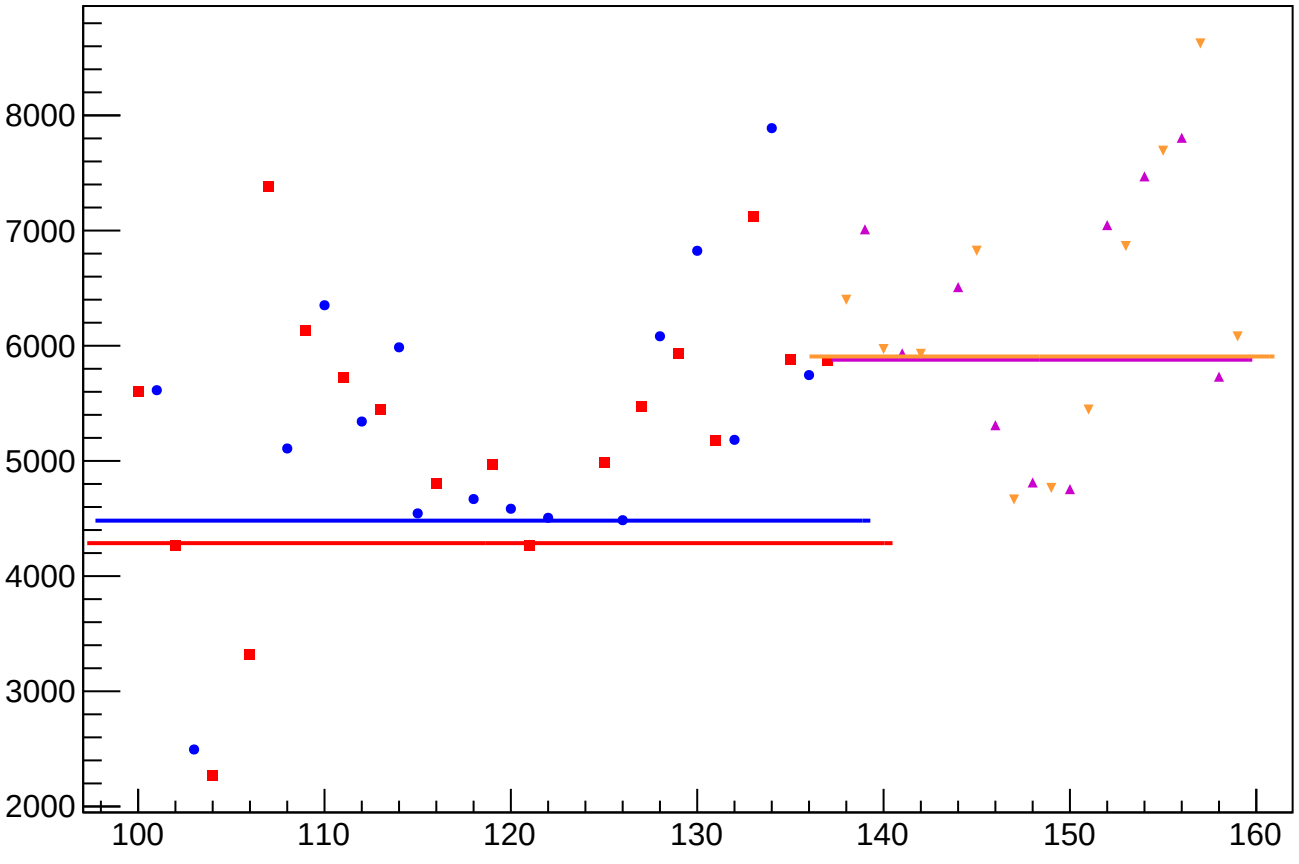
Left In: 1834.337+/-0.439 χ^2/NDF:6950.0/9

+ sign 1844.874+/-0.328 χ^2/NDF: 301448.9/26

All: 1843.703+/-0.232 χ^2/NDF: 410958.4/54

- sign 1842.538+/-0.327 χ^2/NDF: 109484.0/27


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: -502.305+/-2043.845 χ²/NDF:19.3/10
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -1247.692+/-2025.192 χ²/NDF:4.3/9
+ sign -860.555+/-1332.741 χ²/NDF: 34.0/26
All: -661.284+/-931.757 χ²/NDF: 54.2/54
- sign -470.760+/-1303.163 χ²/NDF: 20.1/27



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

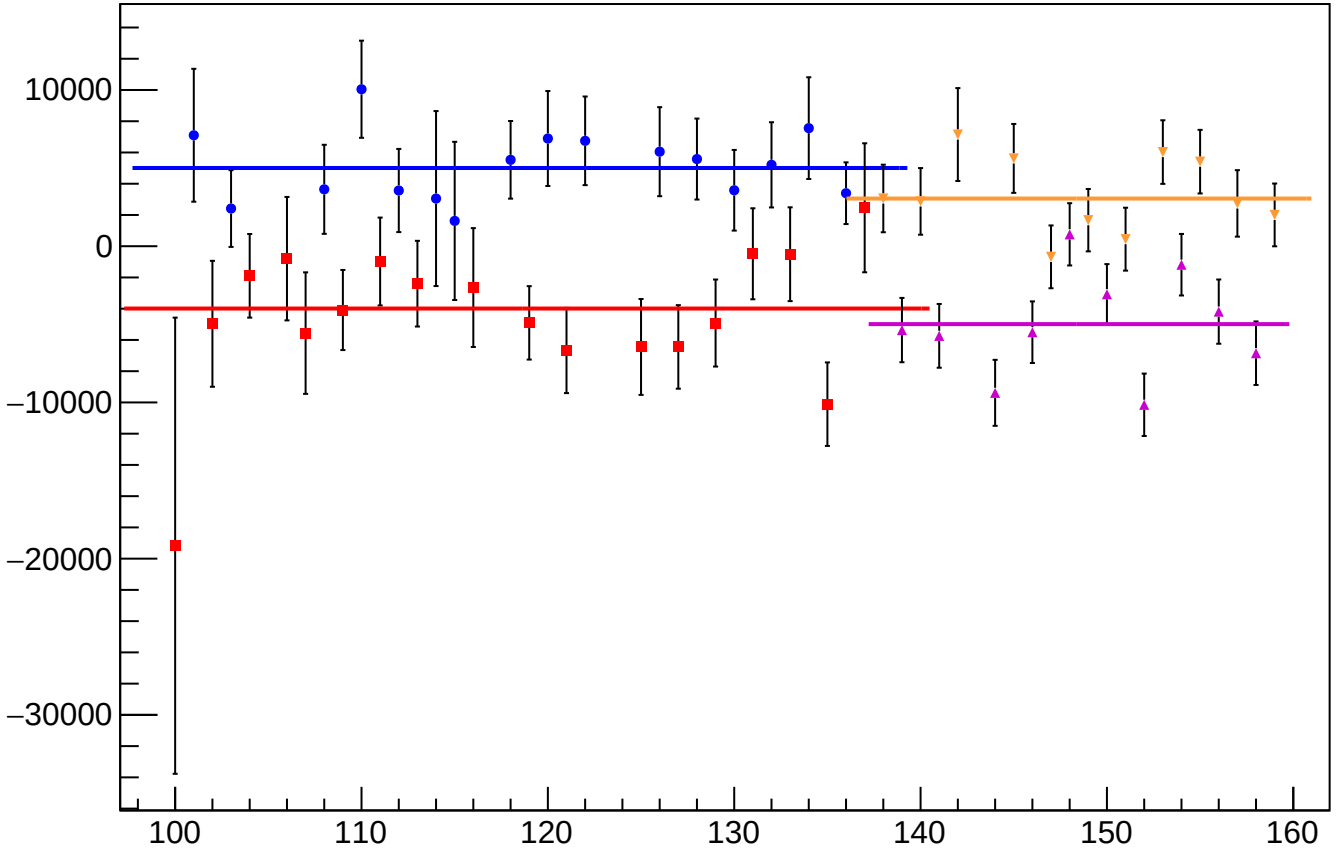
Left In: 5878.892+/-1.432 χ^2/NDF:490938.7/9

+ sign 5087.556+/-0.942 χ^2/NDF: 2465832.6/26

All: 5015.000+/-0.659 χ^2/NDF: 5243078.9/54

- sign 4945.629+/-0.921 χ^2/NDF: 2765651.3/27

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

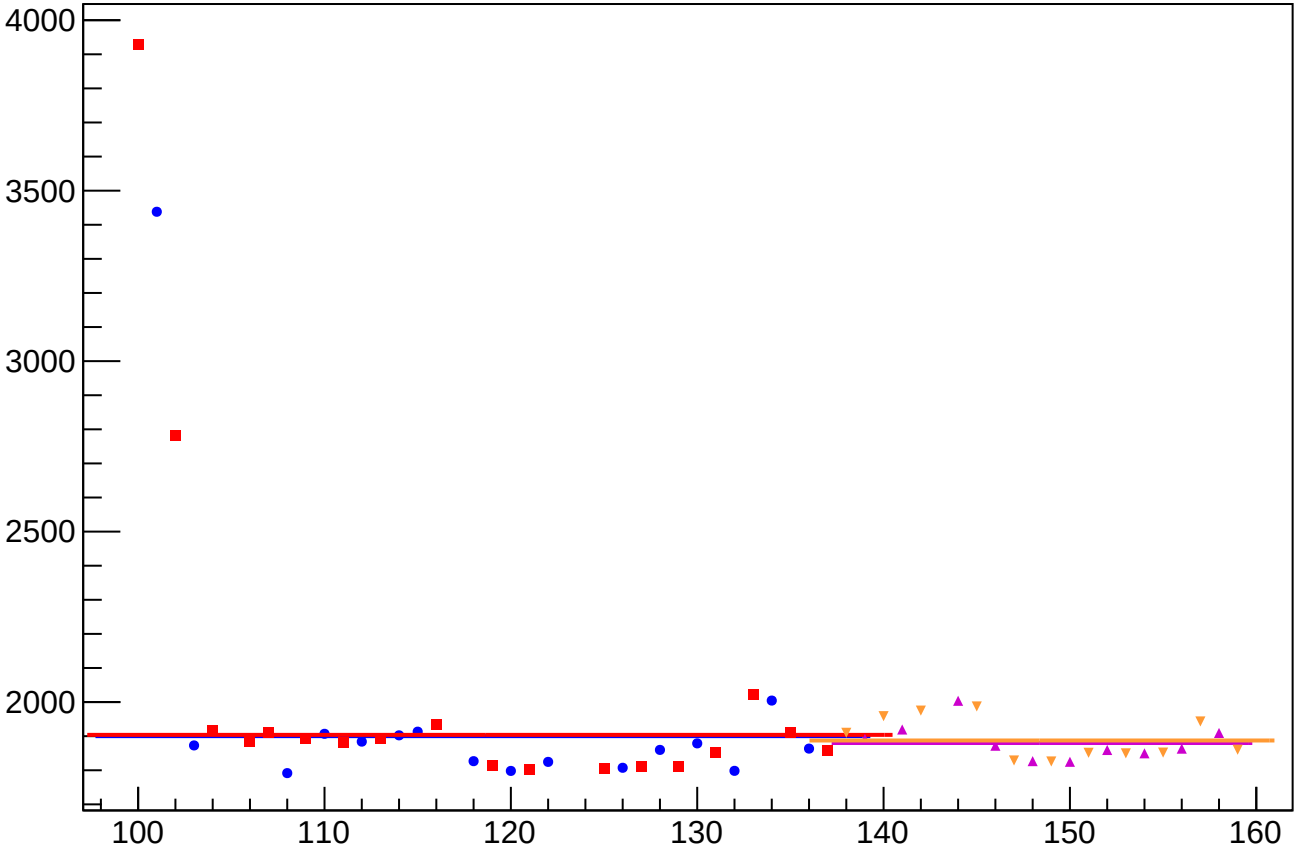
Left In: -4987.022+/-636.795 χ^2/NDF:25.3/9

+ sign 3921.538+/-476.205 χ^2/NDF: 24.5/26

All: -308.892+/-336.908 χ^2/NDF: 226.2/54

- sign -4548.403+/-476.715 χ^2/NDF: 43.7/27

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

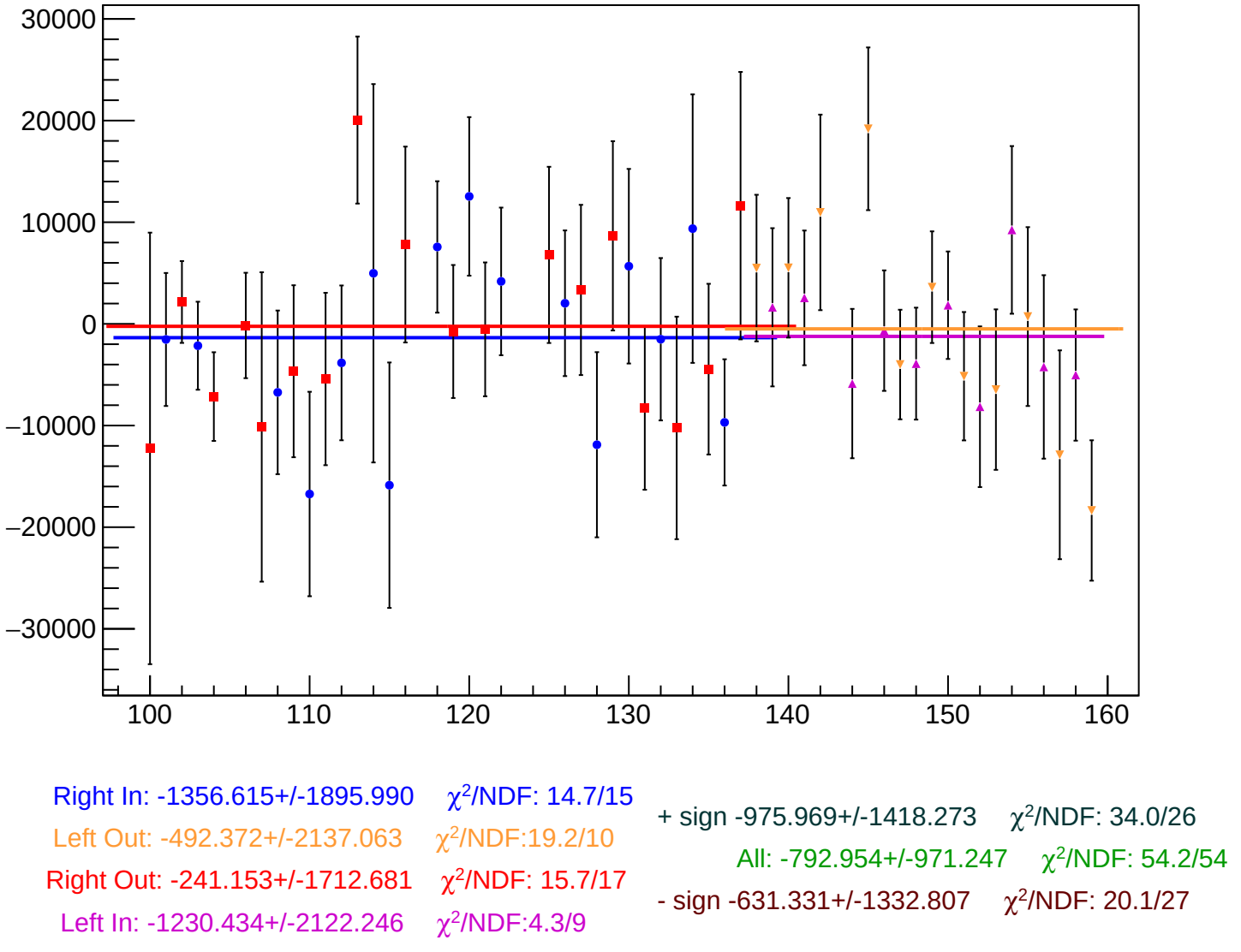
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1880.026+/-0.450 χ^2/NDF:12023.1/9

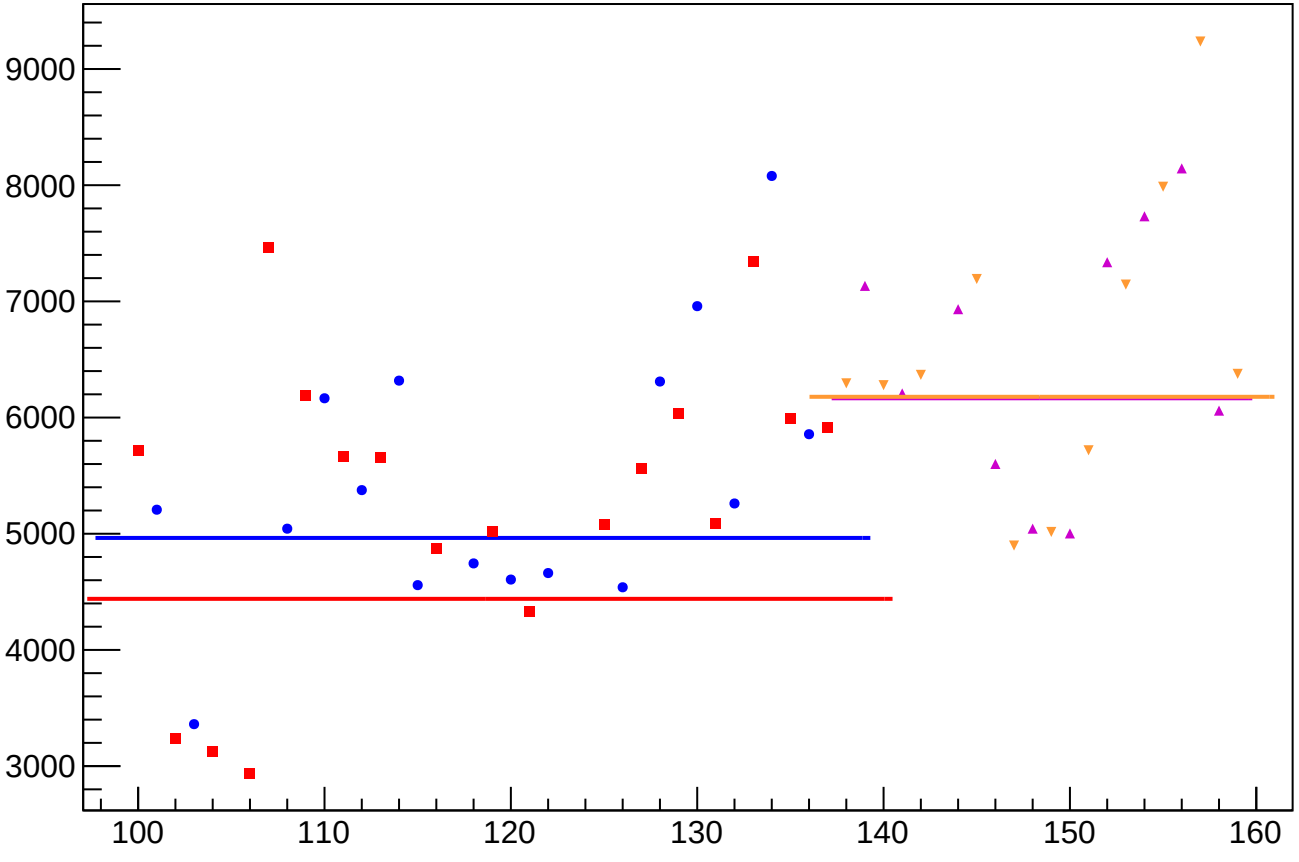
+ sign 1893.021+/-0.337 χ^2/NDF: 294368.7/26

All: 1891.762+/-0.238 χ^2/NDF: 457765.2/54

- sign 1890.501+/-0.337 χ^2/NDF: 163368.6/27


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: -1230.434+/-2122.246 χ²/NDF:4.3/9
+ sign -975.969+/-1418.273 χ²/NDF: 34.0/26
All: -792.954+/-971.247 χ²/NDF: 54.2/54
- sign -631.331+/-1332.807 χ²/NDF: 20.1/27

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6178.713+/-1.511 χ^2/NDF:540316.3/10

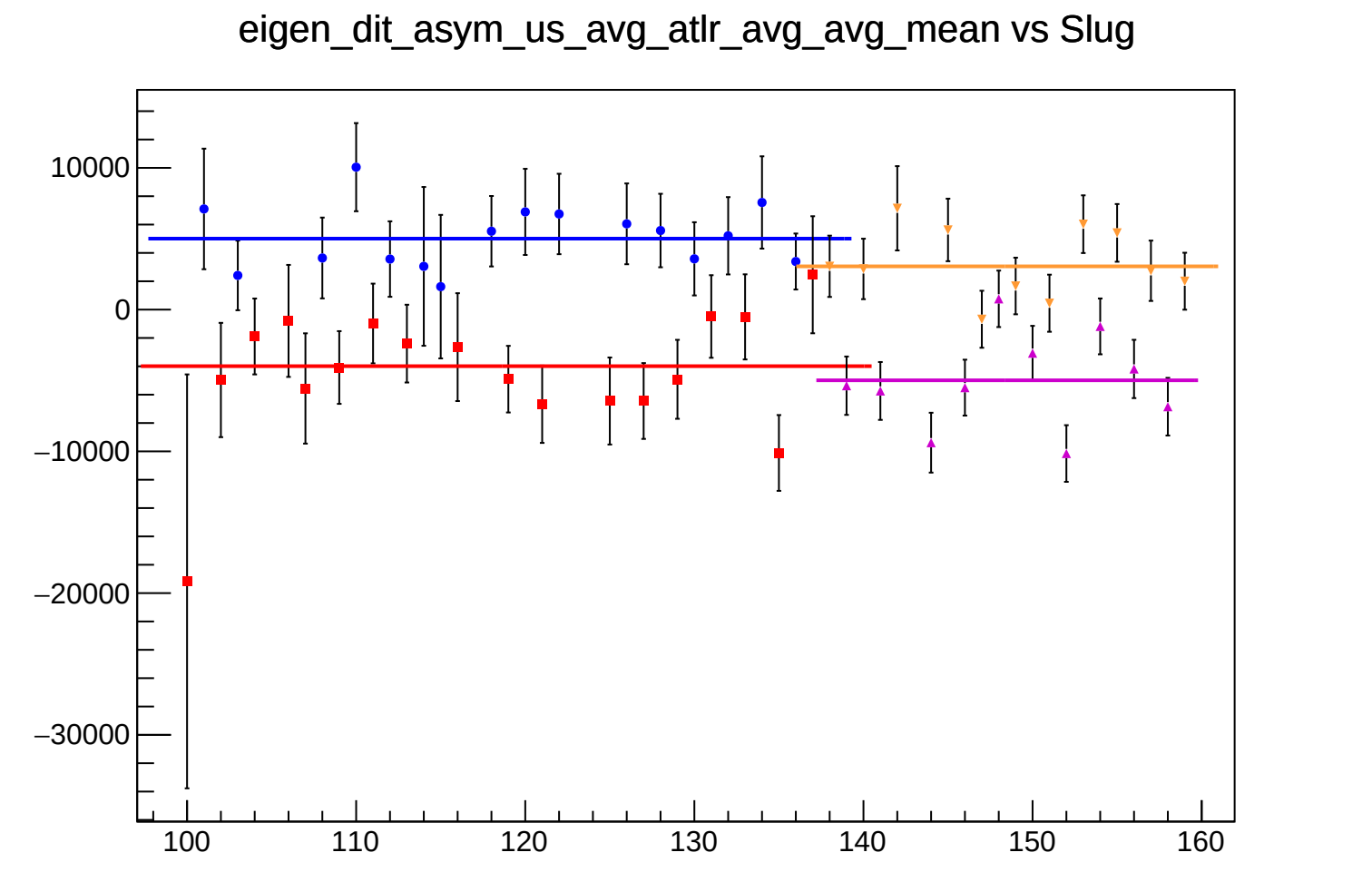
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6165.859+/-1.501 χ^2/NDF:463538.7/9

+ sign 5499.005+/-1.003 χ^2/NDF: 1529262.7/26

All: 5298.001+/-0.687 χ^2/NDF: 4028258.6/54

- sign 5120.492+/-0.942 χ^2/NDF: 2423347.9/27



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

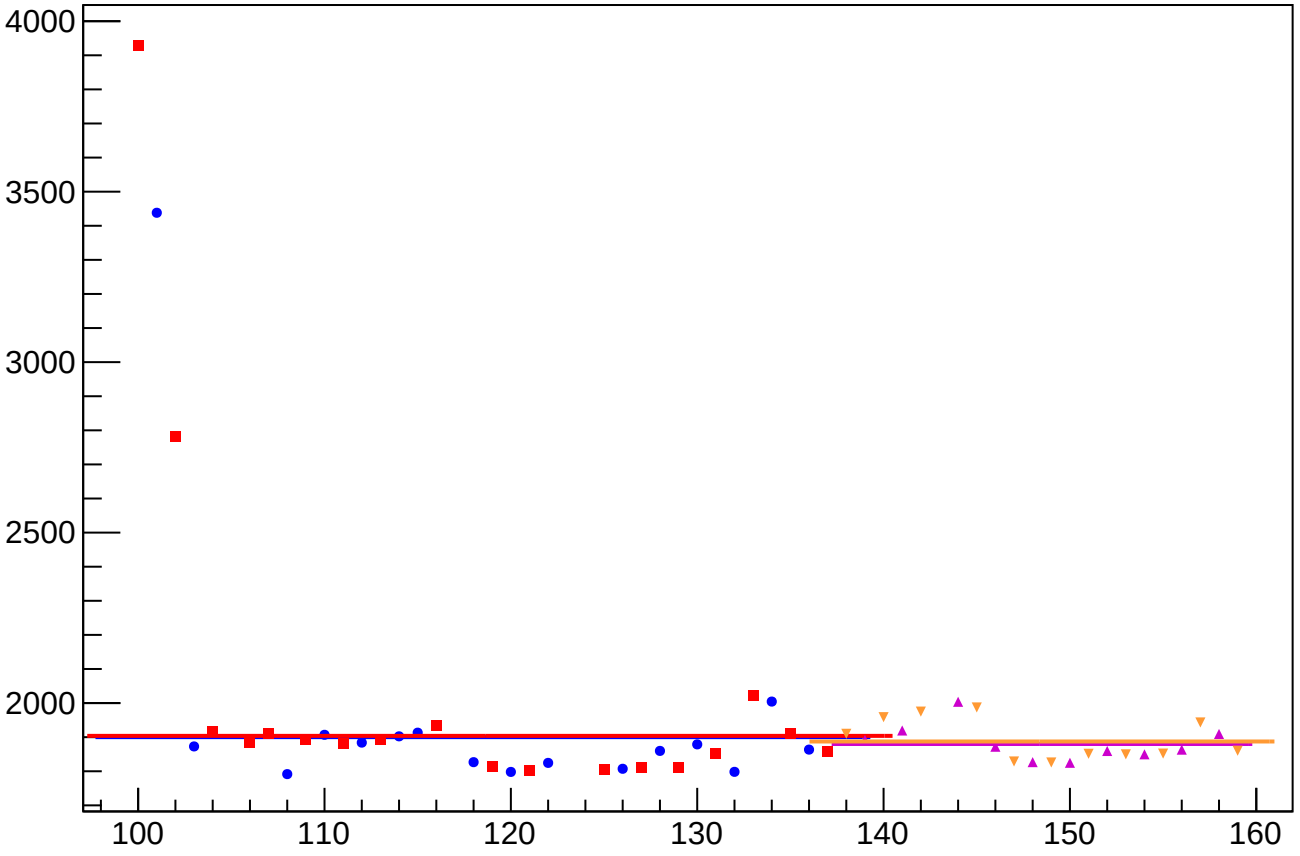
Left In: -4987.023+/-636.796 χ^2/NDF:25.3/9

+ sign 3921.535+/-476.205 χ^2/NDF: 24.5/26

All: -308.894+/-336.908 χ^2/NDF: 226.2/54

- sign -4548.403+/-476.716 χ^2/NDF: 43.7/27

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

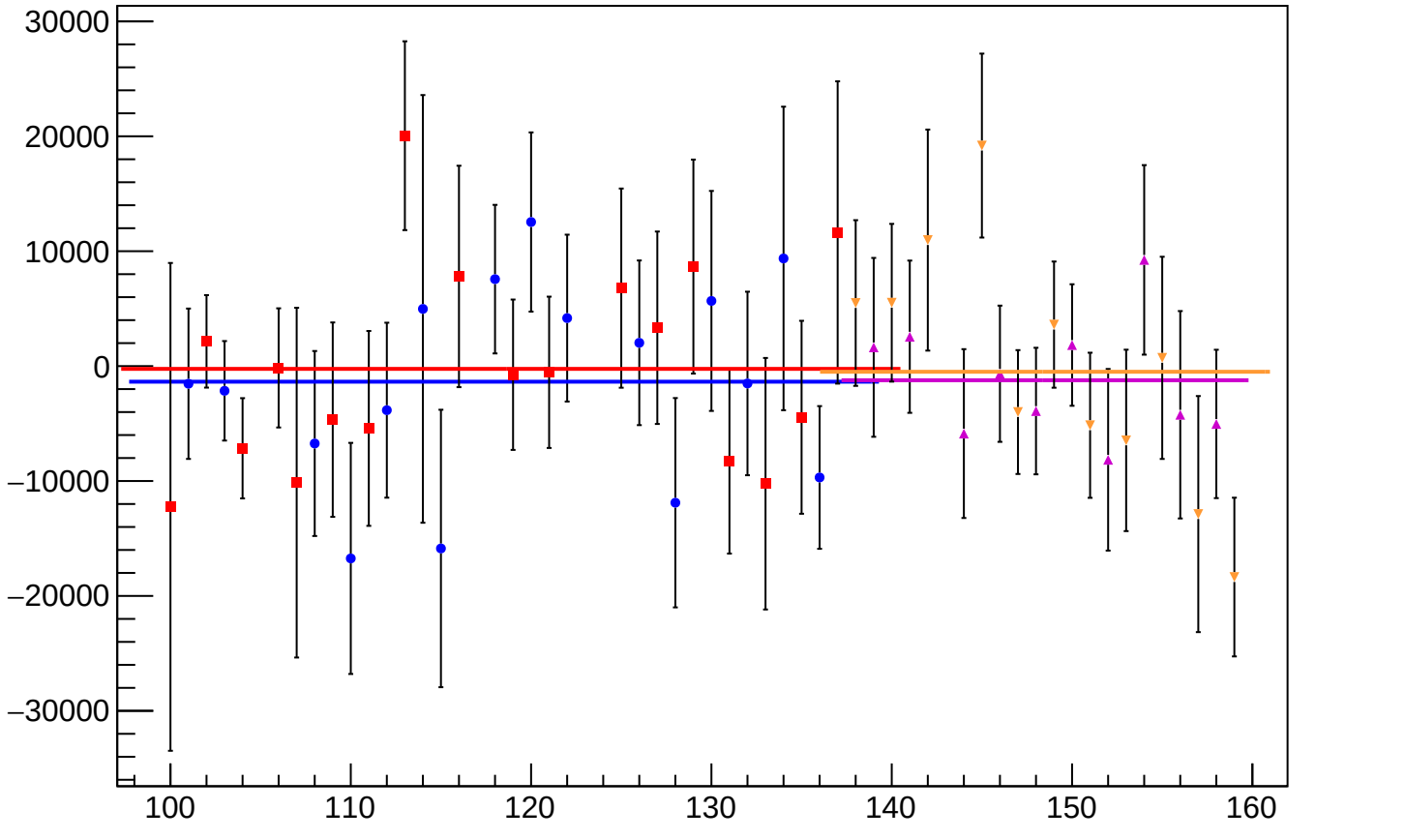
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1880.028+/-0.450 χ^2/NDF:12023.3/9

+ sign 1893.021+/-0.337 χ^2/NDF: 294369.1/26

All: 1891.762+/-0.238 χ^2/NDF: 457764.9/54

- sign 1890.502+/-0.337 χ^2/NDF: 163367.8/27



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -492.381+/-2137.066 χ^2/NDF:19.2/10

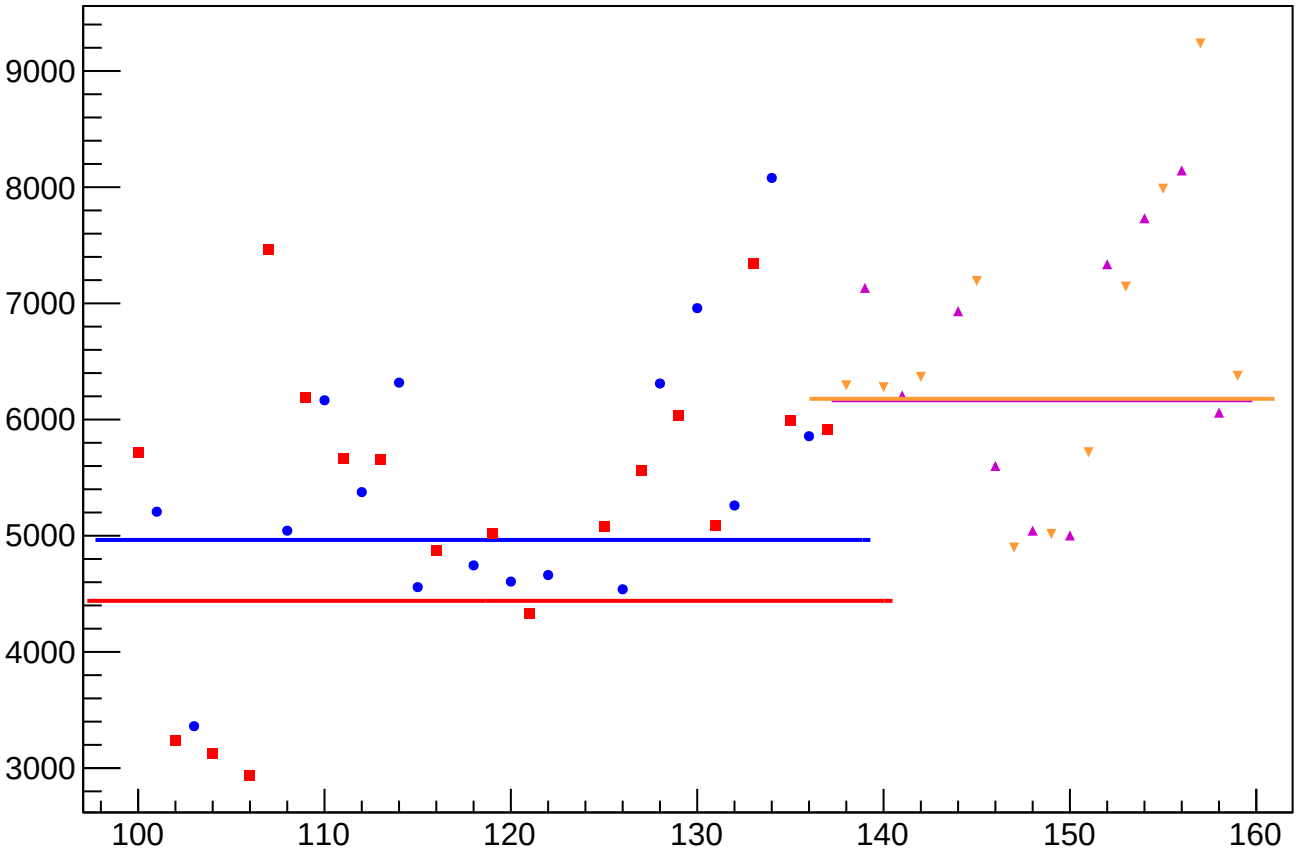
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -1230.435+/-2122.249 χ^2/NDF:4.3/9

+ sign -975.969+/-1418.272 χ^2/NDF: 34.0/26

All: -792.953+/-971.246 χ^2/NDF: 54.2/54

- sign -631.331+/-1332.806 χ^2/NDF: 20.1/27



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

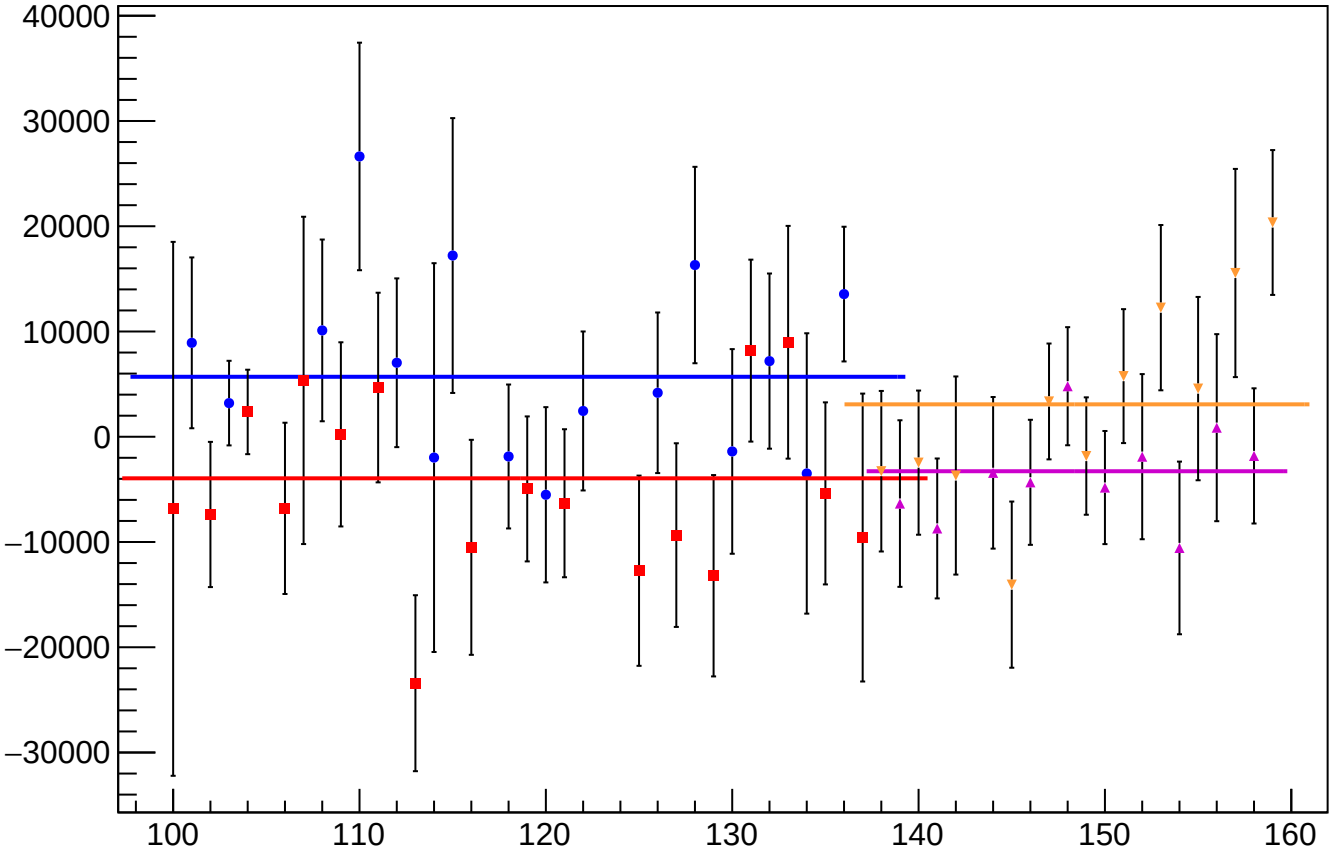
Left In: 6165.868+/-1.501 χ^2/NDF:463539.2/9

+ sign 5498.999+/-1.003 χ^2/NDF: 1529279.7/26

All: 5297.994+/-0.687 χ^2/NDF: 4028295.1/54

- sign 5120.485+/-0.942 χ^2/NDF: 2423366.9/27

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

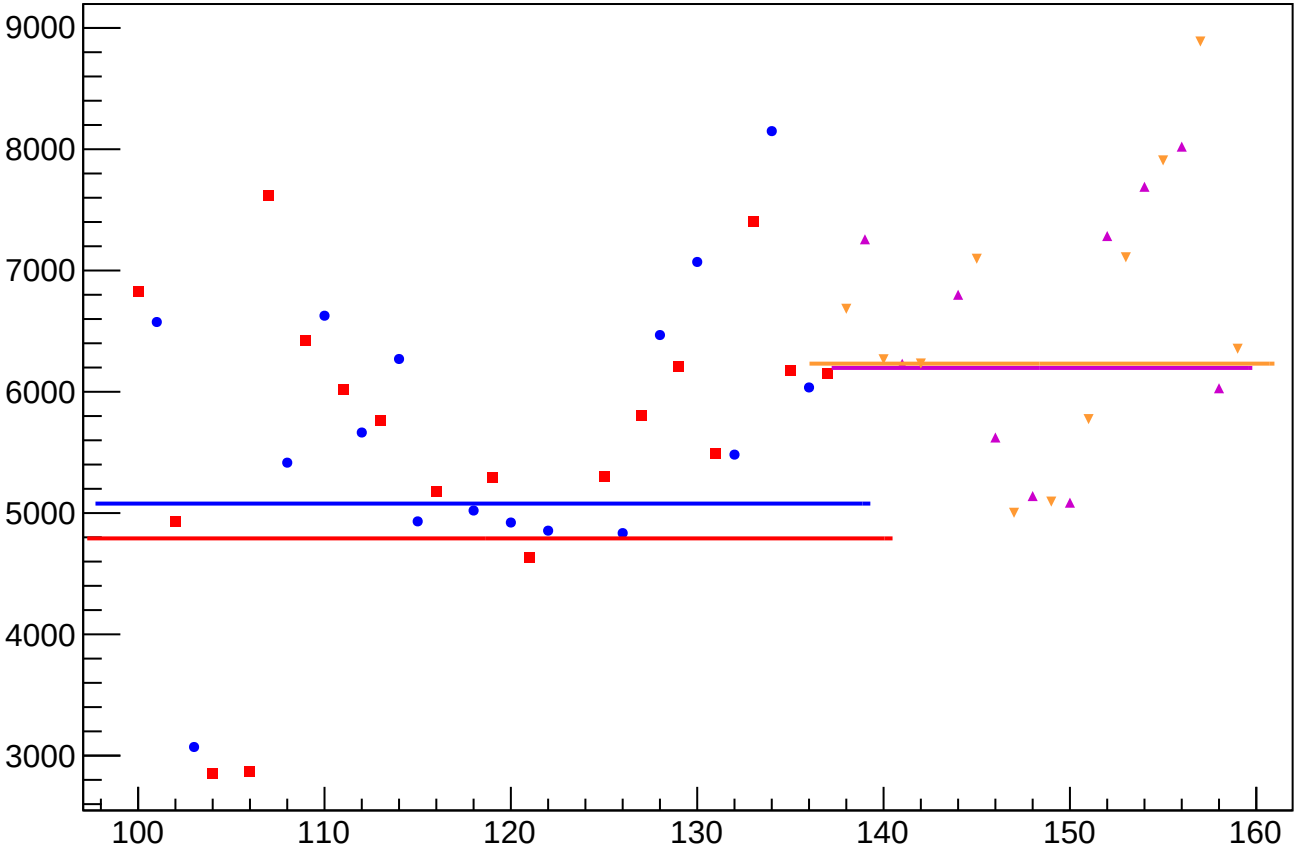
Left In: -3276.464+/-2128.962 χ^2/NDF:4.1/9

+ sign 4509.126+/-1447.943 χ^2/NDF: 30.3/26

All: 368.708+/-1016.022 χ^2/NDF: 66.7/54

- sign -3647.465+/-1426.052 χ^2/NDF: 20.3/27

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

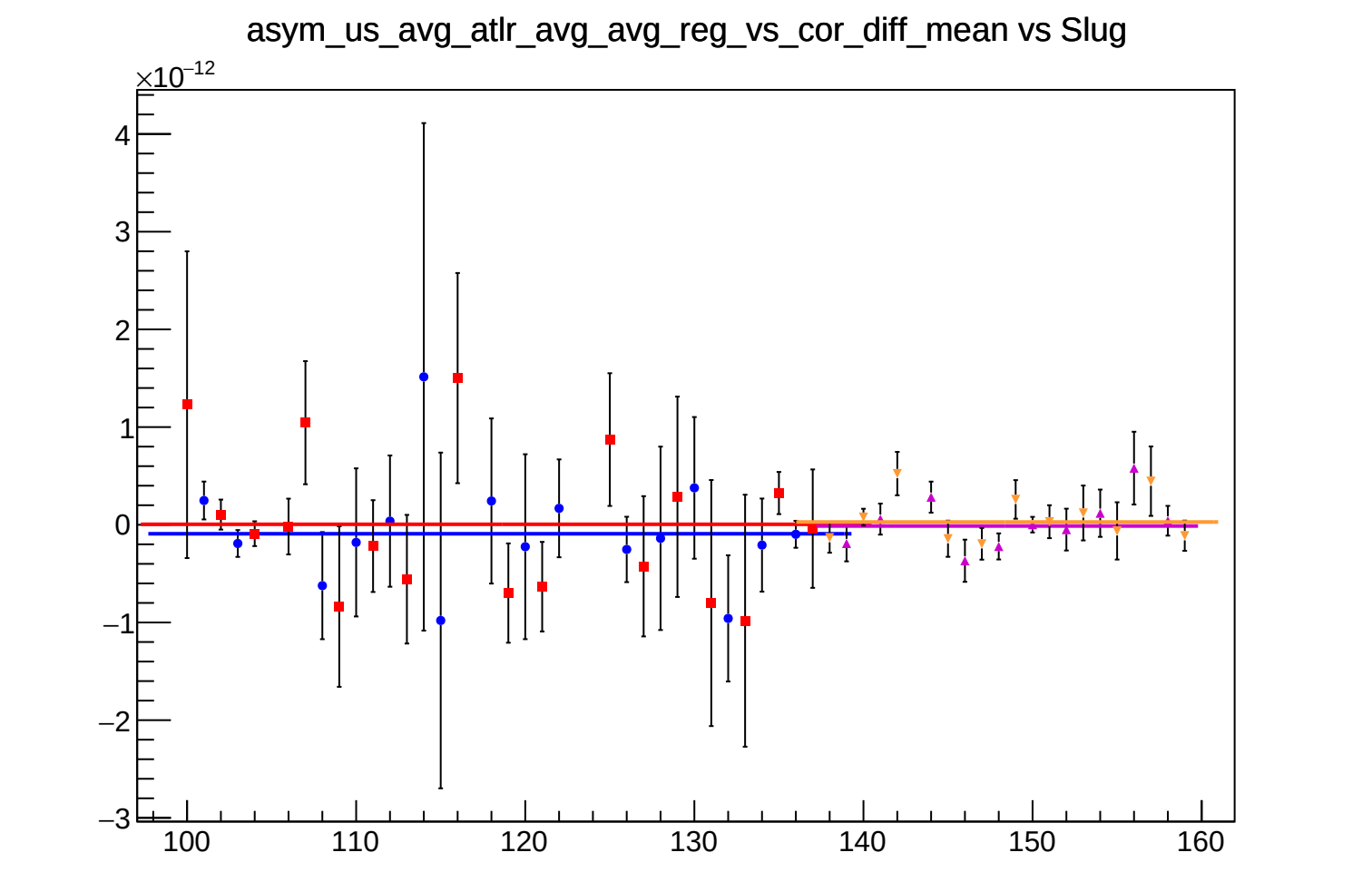
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6196.780+/-1.505 χ^2/NDF:415539.1/9

+ sign 5601.845+/-1.024 χ^2/NDF: 1702487.3/26

All: 5502.202+/-0.714 χ^2/NDF: 3788352.8/54

- sign 5407.711+/-0.997 χ^2/NDF: 2067411.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/10

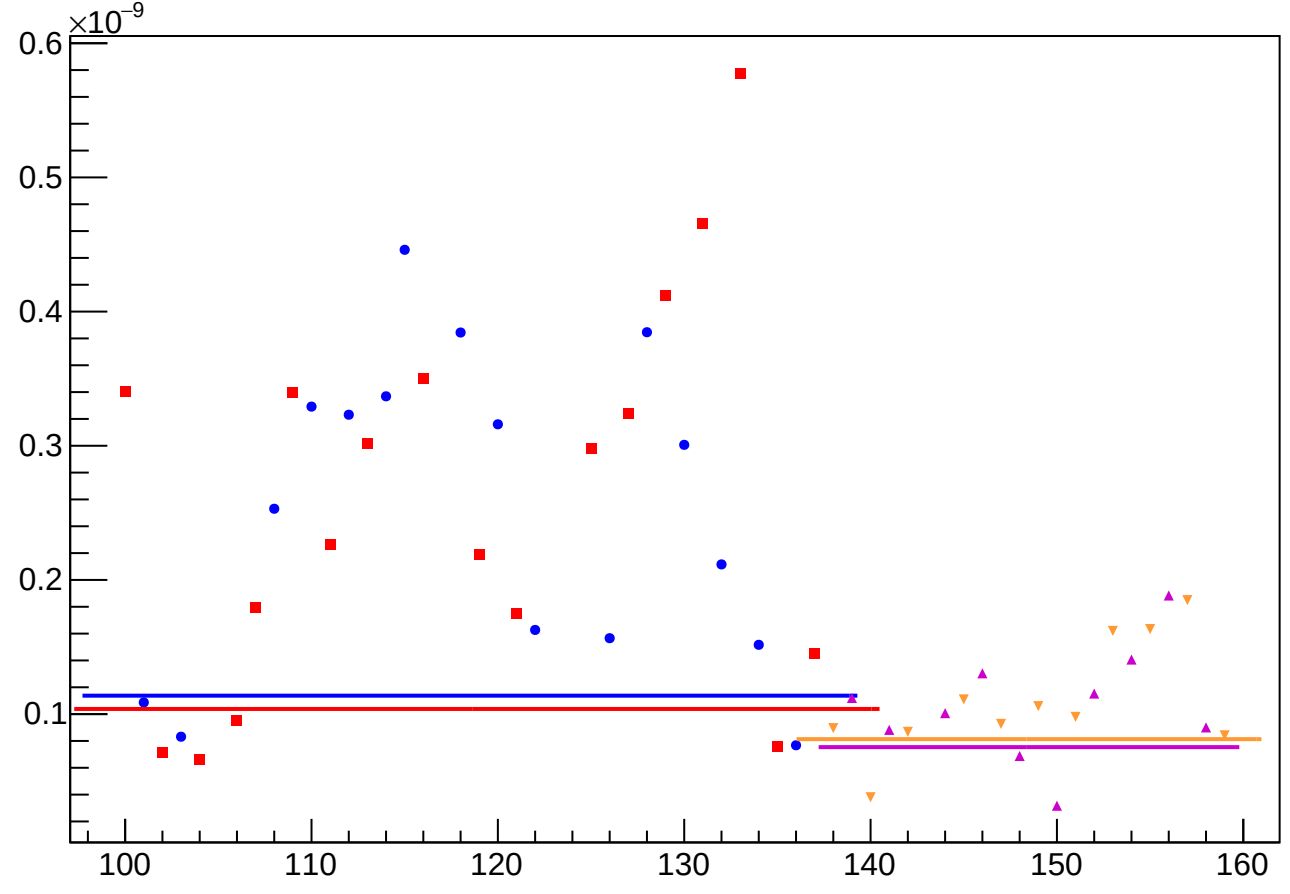
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:12.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 22.8/26

All: -0.000+/-0.000 χ^2/NDF: 53.1/54

- sign -0.000+/-0.000 χ^2/NDF: 30.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1120800.5/10

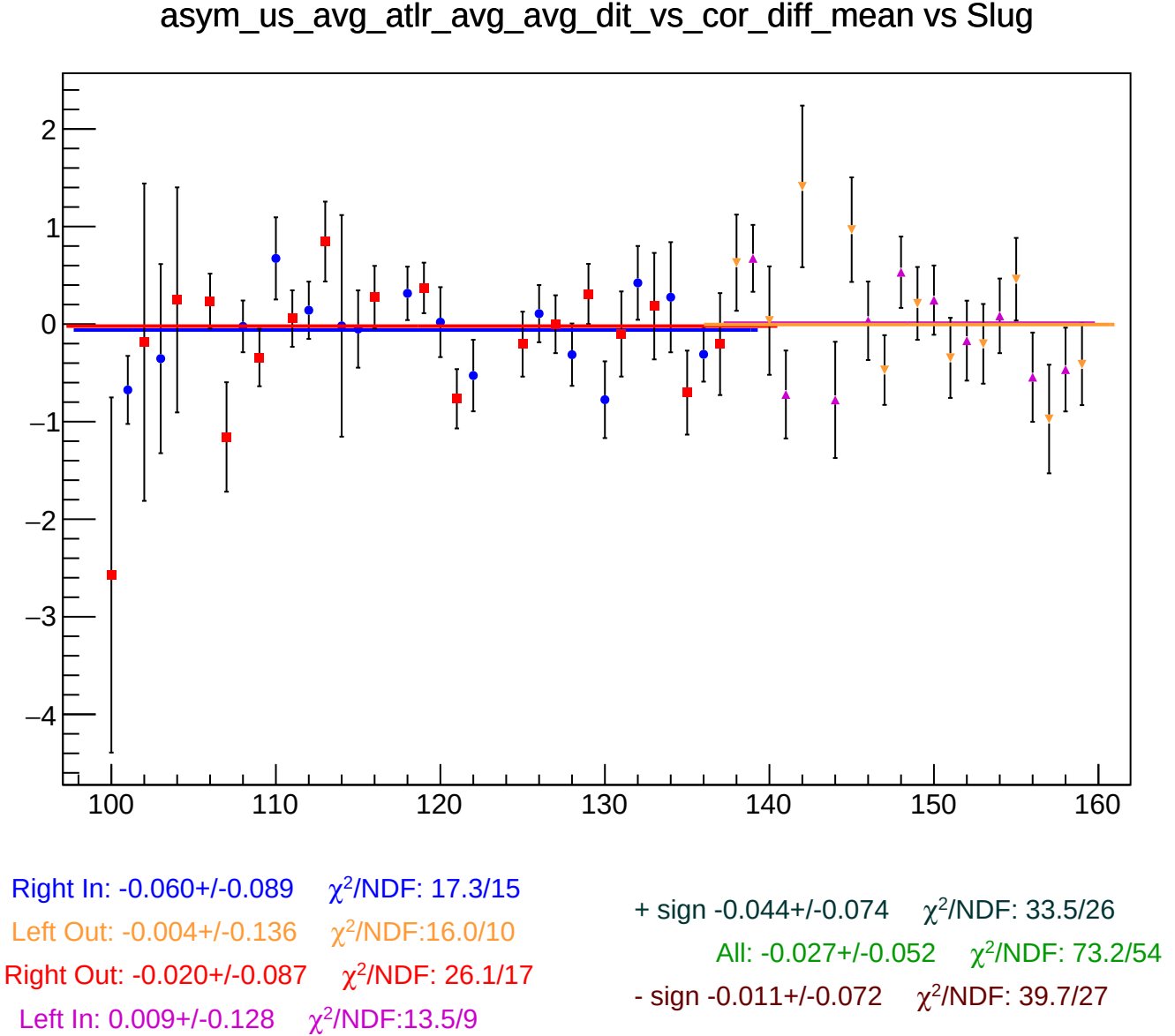
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

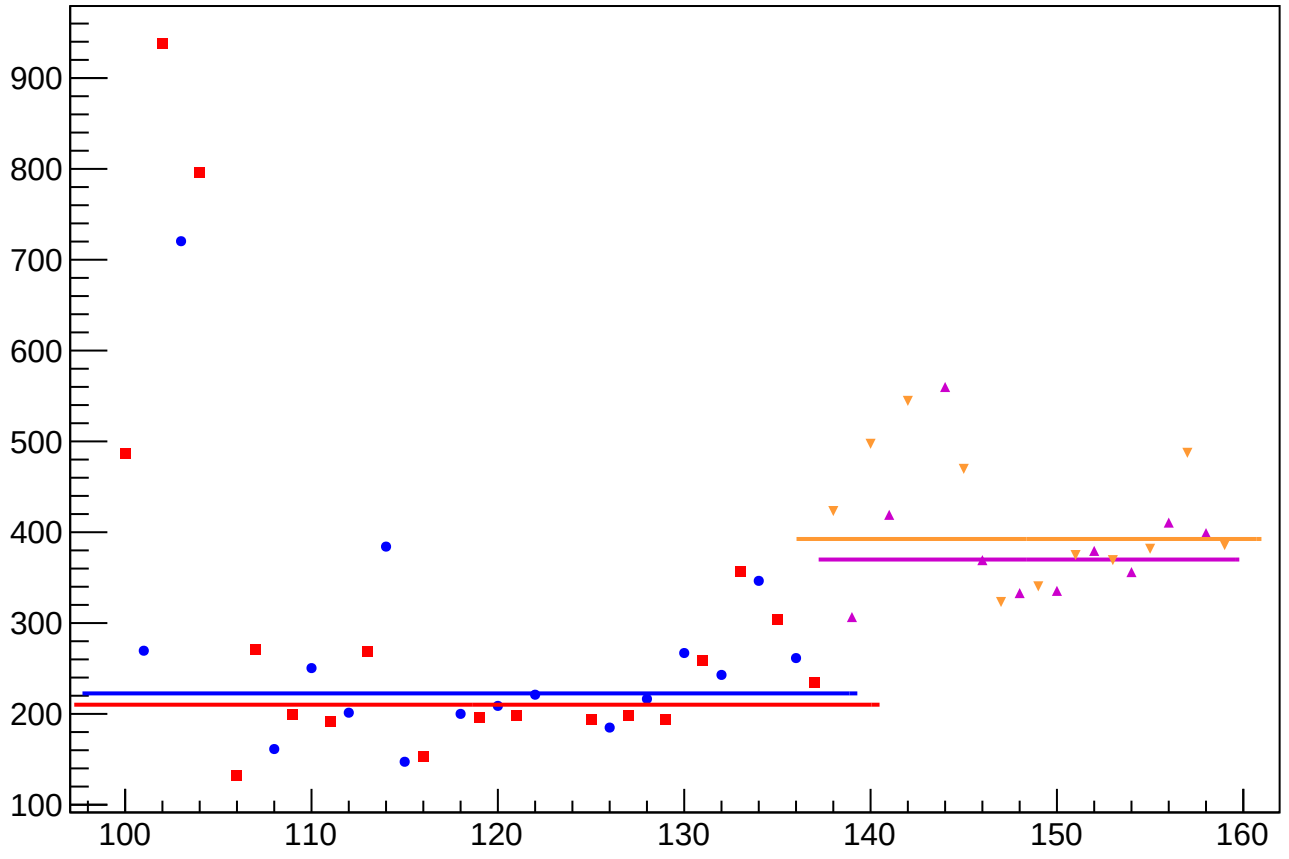
Left In: 0.000+/-0.000 χ^2/NDF:1294621.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 2891212.8/26

All: 0.000+/-0.000 χ^2/NDF: 6501403.9/54

- sign 0.000+/-0.000 χ^2/NDF: 3577848.4/27


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: 0.009+/-0.128 χ²/NDF:13.5/9
+ sign -0.044+/-0.074 χ²/NDF: 33.5/26
All: -0.027+/-0.052 χ²/NDF: 73.2/54
- sign -0.011+/-0.072 χ²/NDF: 39.7/27



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 392.575+/-0.096 χ^2/NDF:372356.1/10

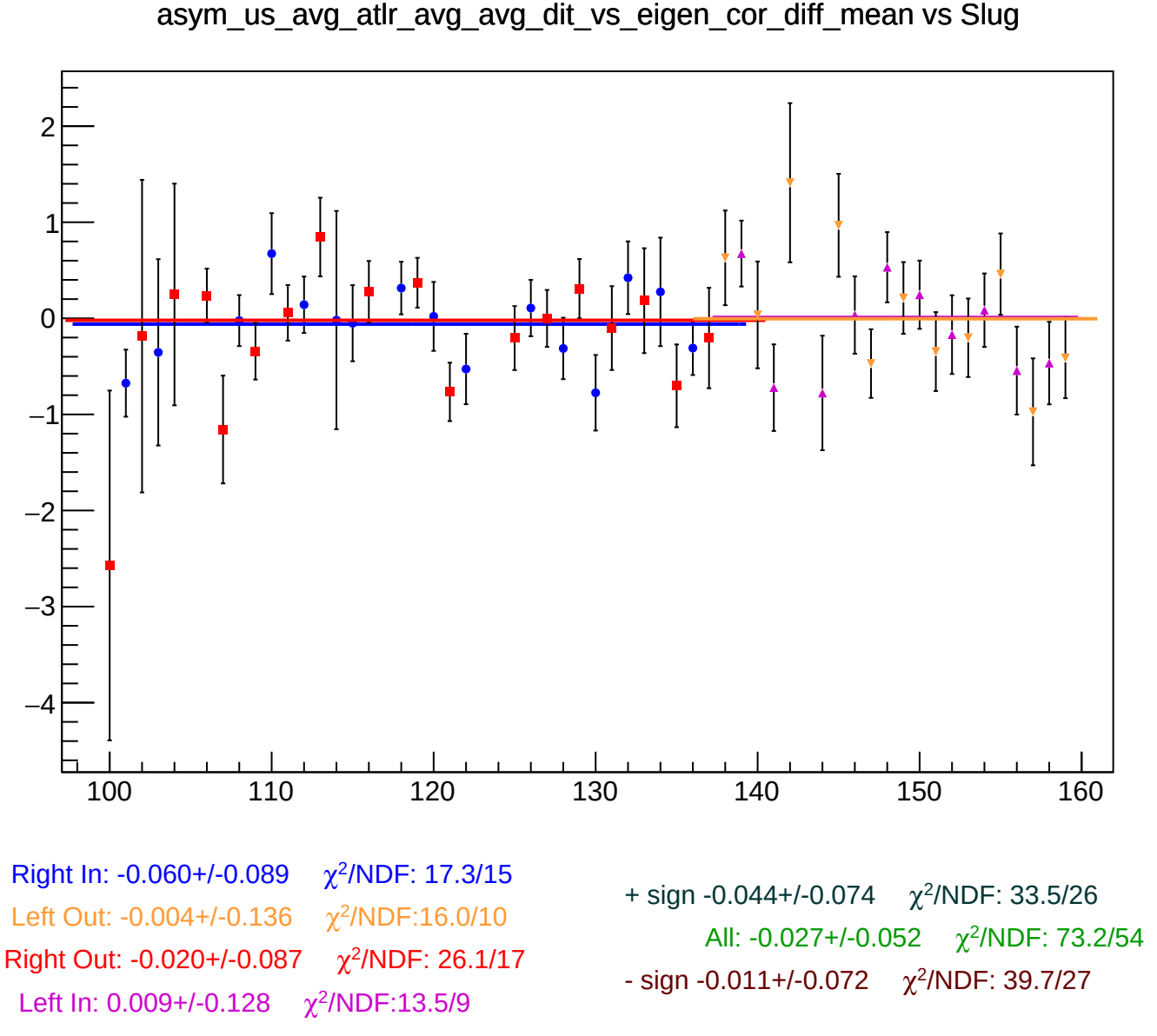
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

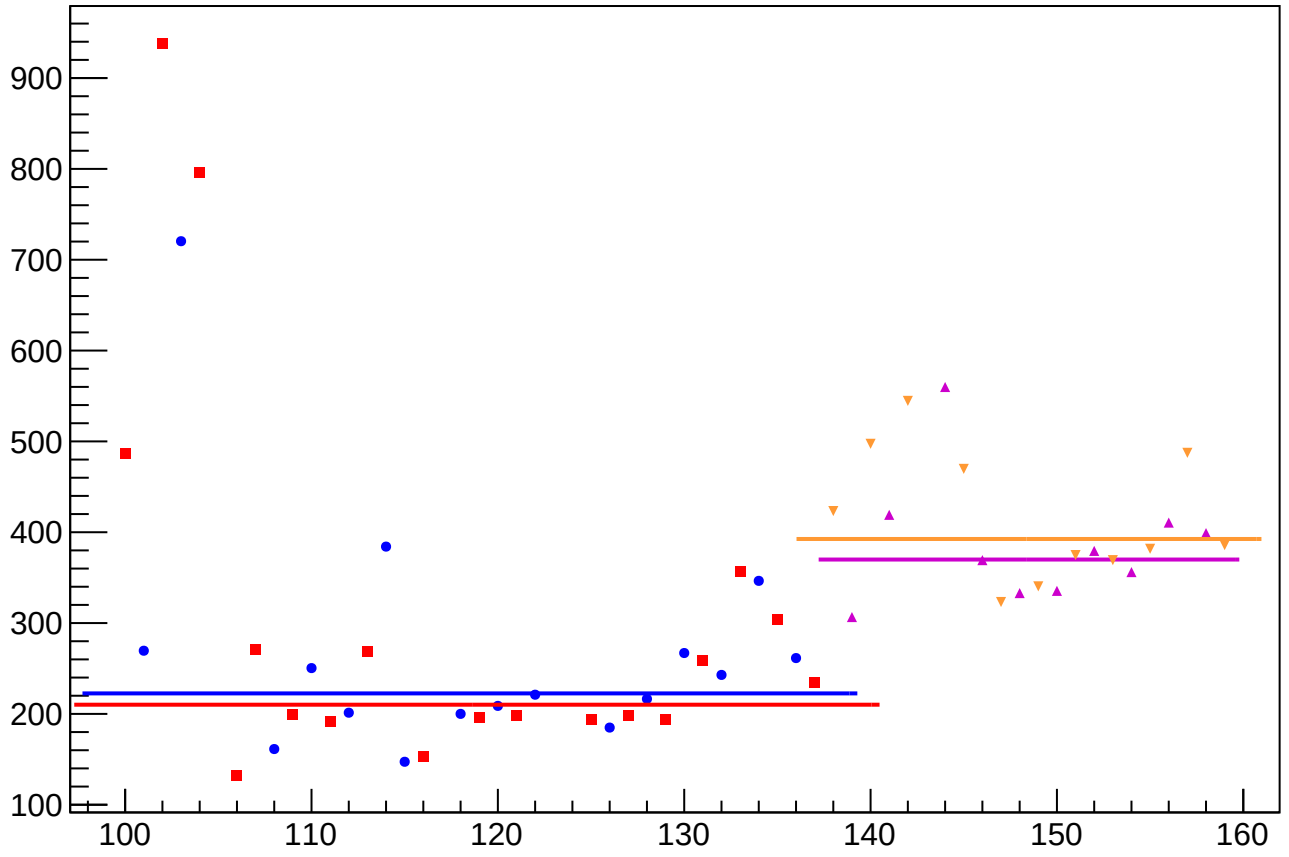
Left In: 369.938+/-0.091 χ^2/NDF:363331.8/9

+ sign 273.068+/-0.053 χ^2/NDF: 3575579.5/26

All: 266.786+/-0.037 χ^2/NDF: 7636545.5/54

- sign 260.854+/-0.051 χ^2/NDF: 4033196.0/27


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: 0.009+/-0.128 χ²/NDF:13.5/9
+ sign -0.044+/-0.074 χ²/NDF: 33.5/26
All: -0.027+/-0.052 χ²/NDF: 73.2/54
- sign -0.011+/-0.072 χ²/NDF: 39.7/27



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 392.575+/-0.096 χ^2/NDF:372356.1/10

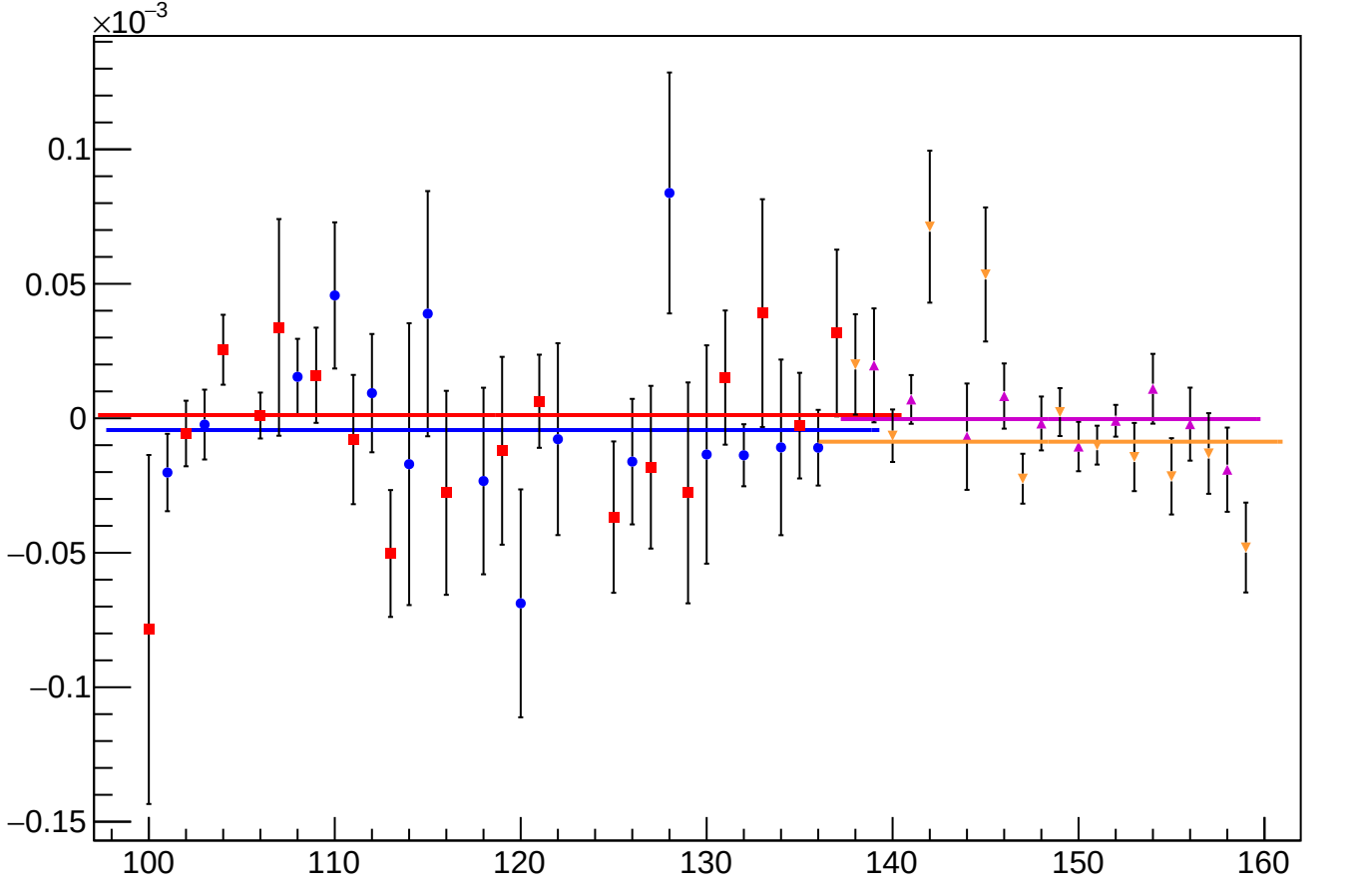
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 369.938+/-0.091 χ^2/NDF:363331.8/9

+ sign 273.068+/-0.053 χ^2/NDF: 3575579.5/26

All: 266.786+/-0.037 χ^2/NDF: 7636545.5/54

- sign 260.854+/-0.051 χ^2/NDF: 4033196.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/10

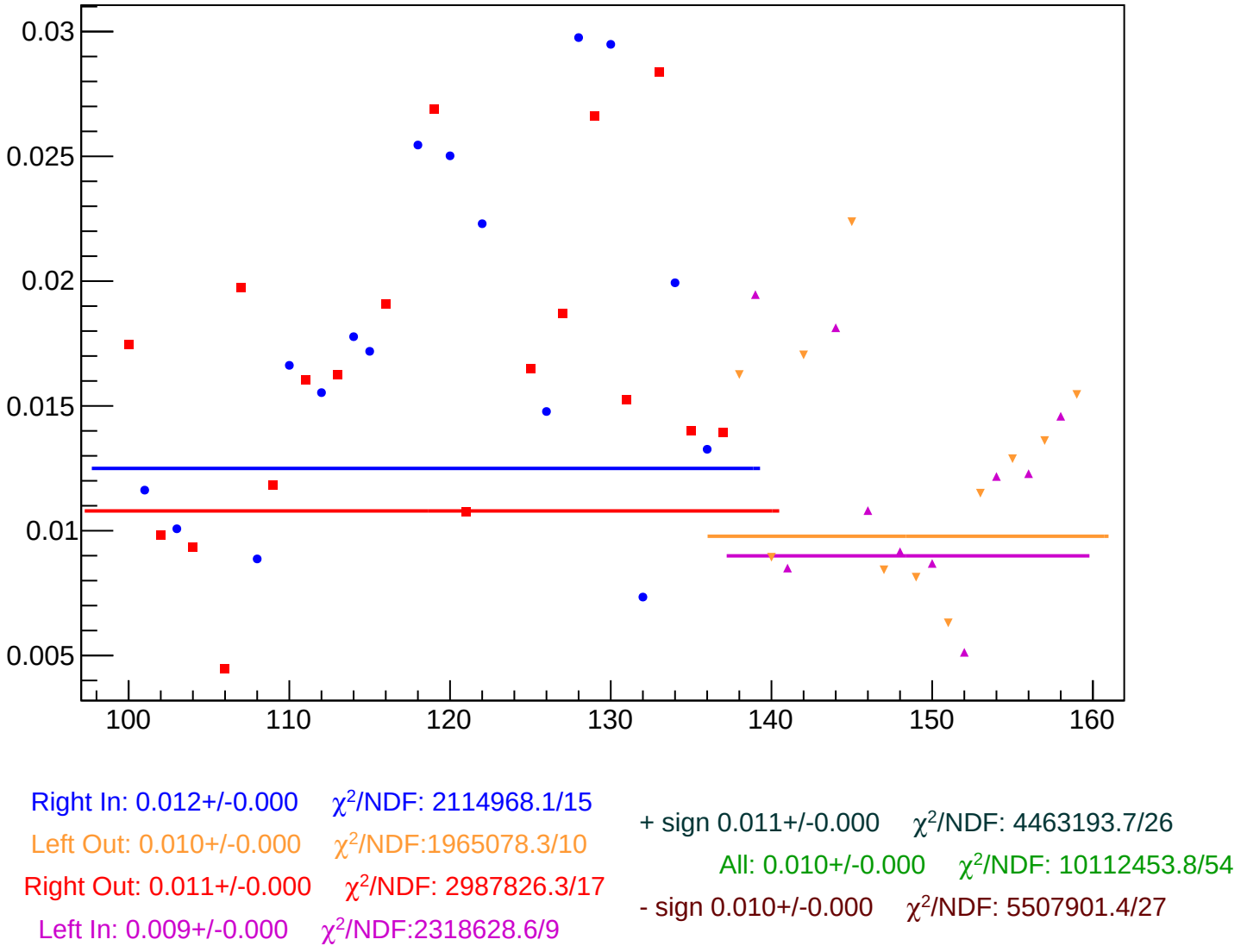
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

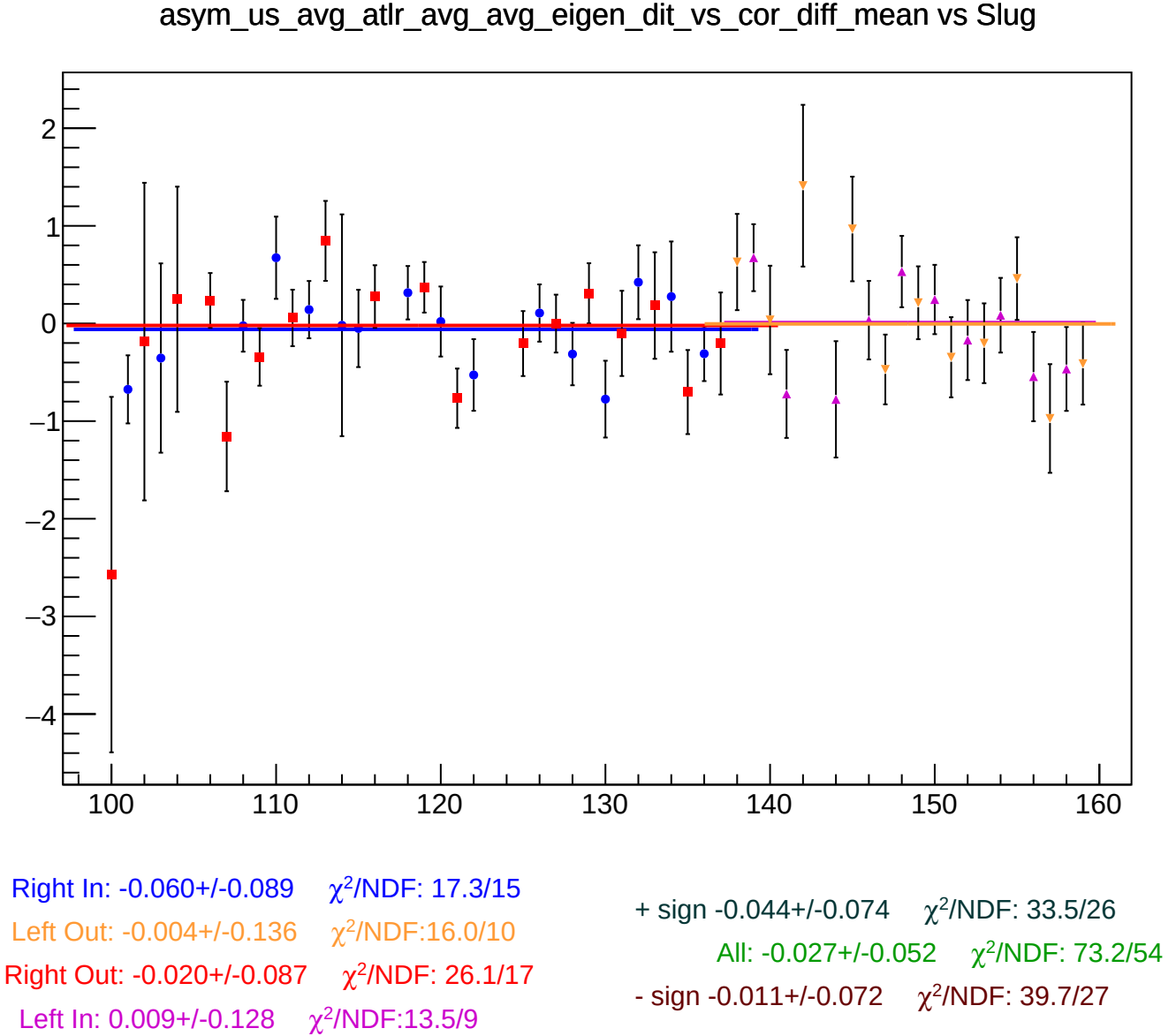
Left In: -0.000+/-0.000 χ^2/NDF:5.6/9

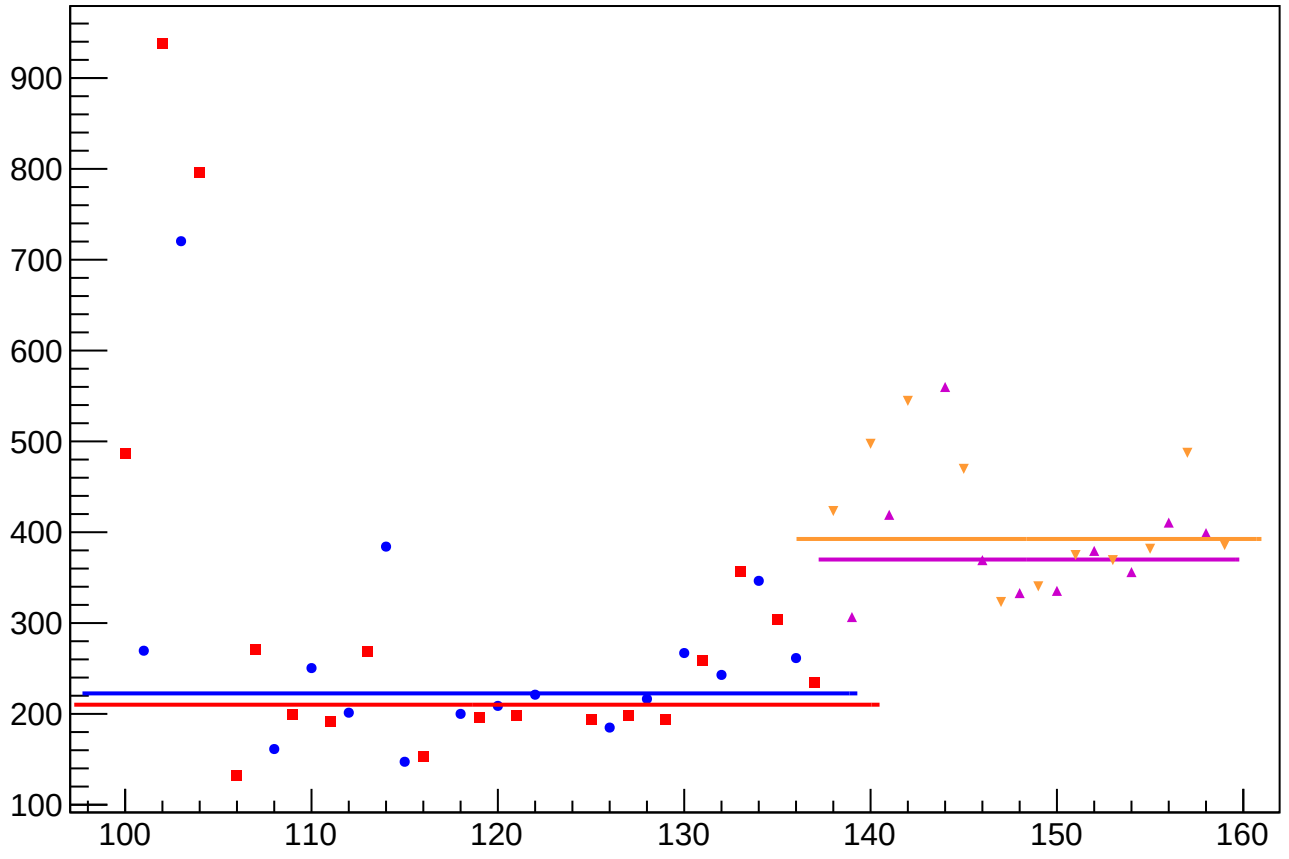
+ sign -0.000+/-0.000 χ^2/NDF: 43.2/26

All: -0.000+/-0.000 χ^2/NDF: 69.7/54

- sign 0.000+/-0.000 χ^2/NDF: 22.9/27


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:2318628.6/9
+ sign 0.011+/-0.000 χ²/NDF: 4463193.7/26
All: 0.010+/-0.000 χ²/NDF: 10112453.8/54
- sign 0.010+/-0.000 χ²/NDF: 5507901.4/27


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: 0.009+/-0.128 χ²/NDF:13.5/9
+ sign -0.044+/-0.074 χ²/NDF: 33.5/26
All: -0.027+/-0.052 χ²/NDF: 73.2/54
- sign -0.011+/-0.072 χ²/NDF: 39.7/27



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 392.581+/-0.096 χ^2/NDF:372358.8/10

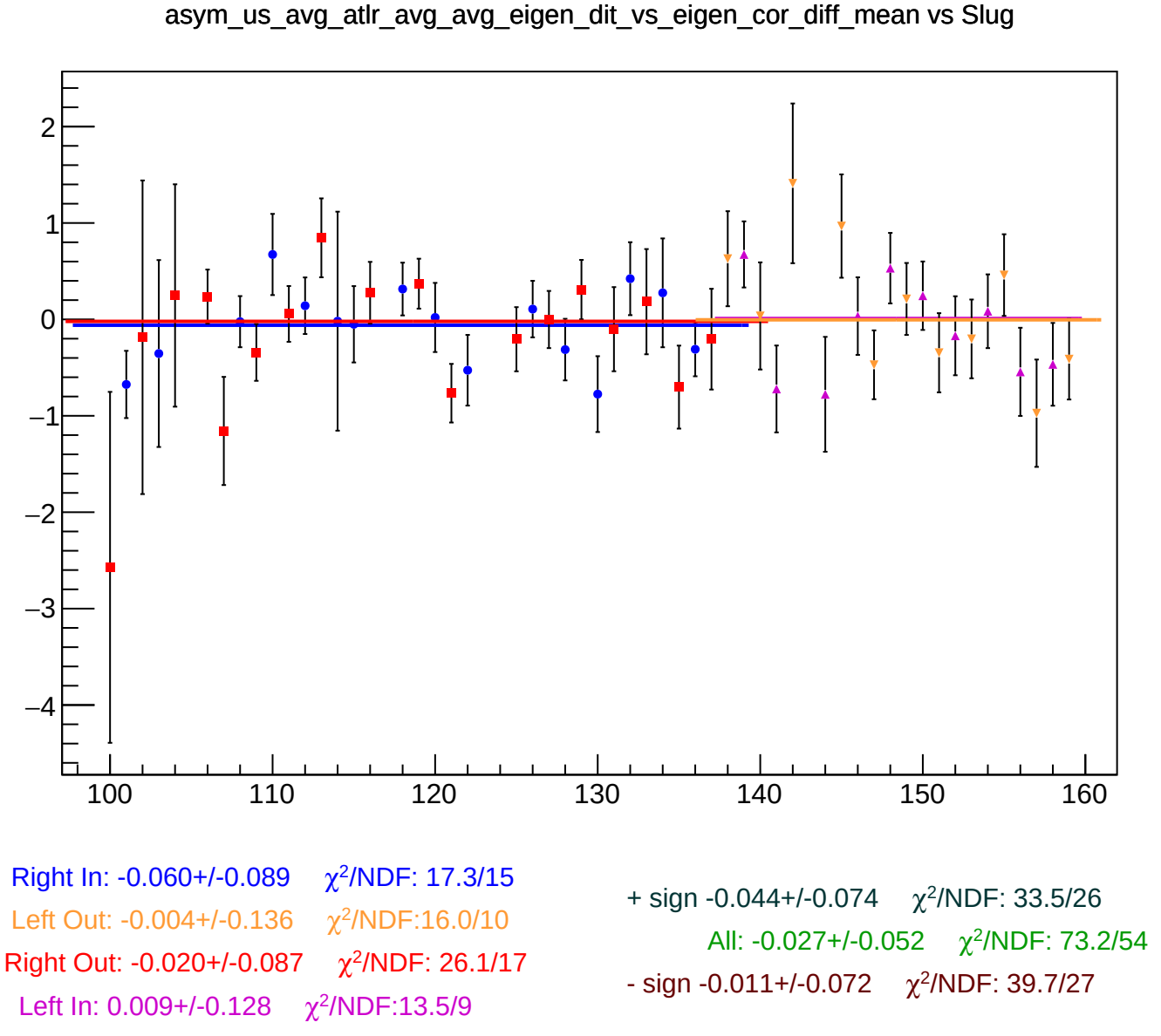
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

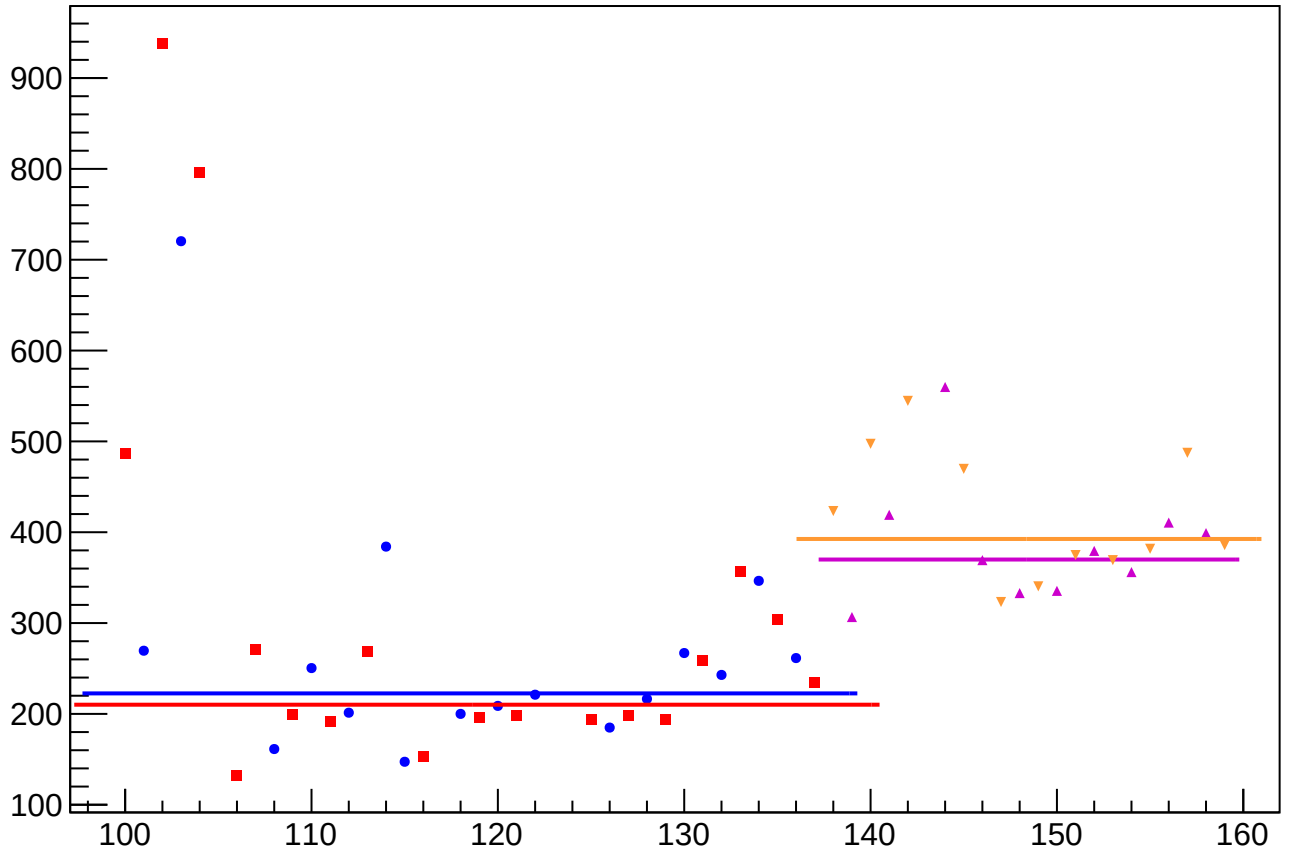
Left In: 369.944+/-0.091 χ^2/NDF:363324.8/9

+ sign 273.066+/-0.053 χ^2/NDF: 3575721.2/26

All: 266.784+/-0.037 χ^2/NDF: 7636857.0/54

- sign 260.852+/-0.051 χ^2/NDF: 4033362.3/27


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: 0.009+/-0.128 χ²/NDF:13.5/9
+ sign -0.044+/-0.074 χ²/NDF: 33.5/26
All: -0.027+/-0.052 χ²/NDF: 73.2/54
- sign -0.011+/-0.072 χ²/NDF: 39.7/27



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 392.581+/-0.096 χ^2/NDF:372358.8/10

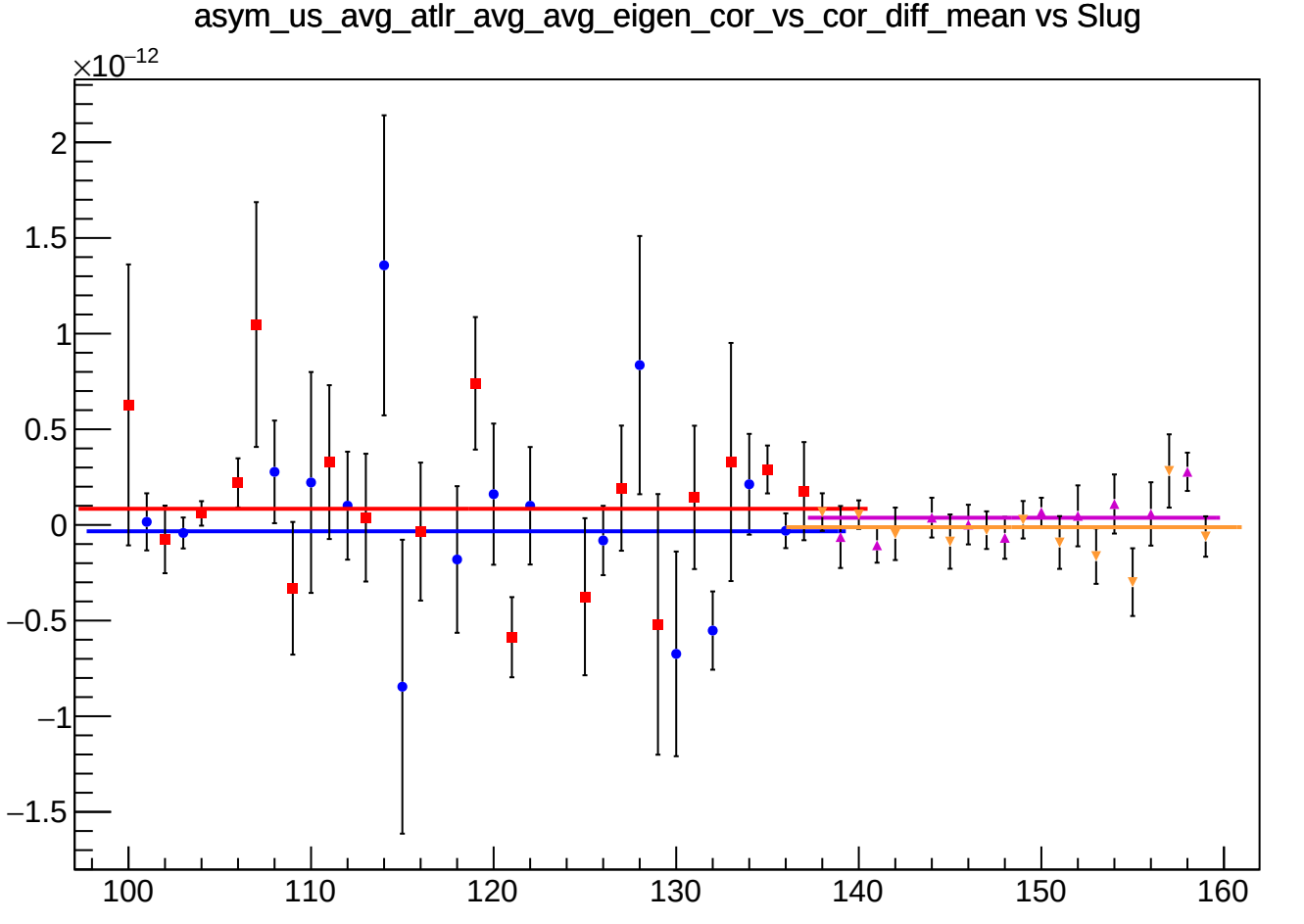
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 369.944+/-0.091 χ^2/NDF:363324.8/9

+ sign 273.066+/-0.053 χ^2/NDF: 3575721.2/26

All: 266.784+/-0.037 χ^2/NDF: 7636857.0/54

- sign 260.852+/-0.051 χ^2/NDF: 4033362.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.6/10

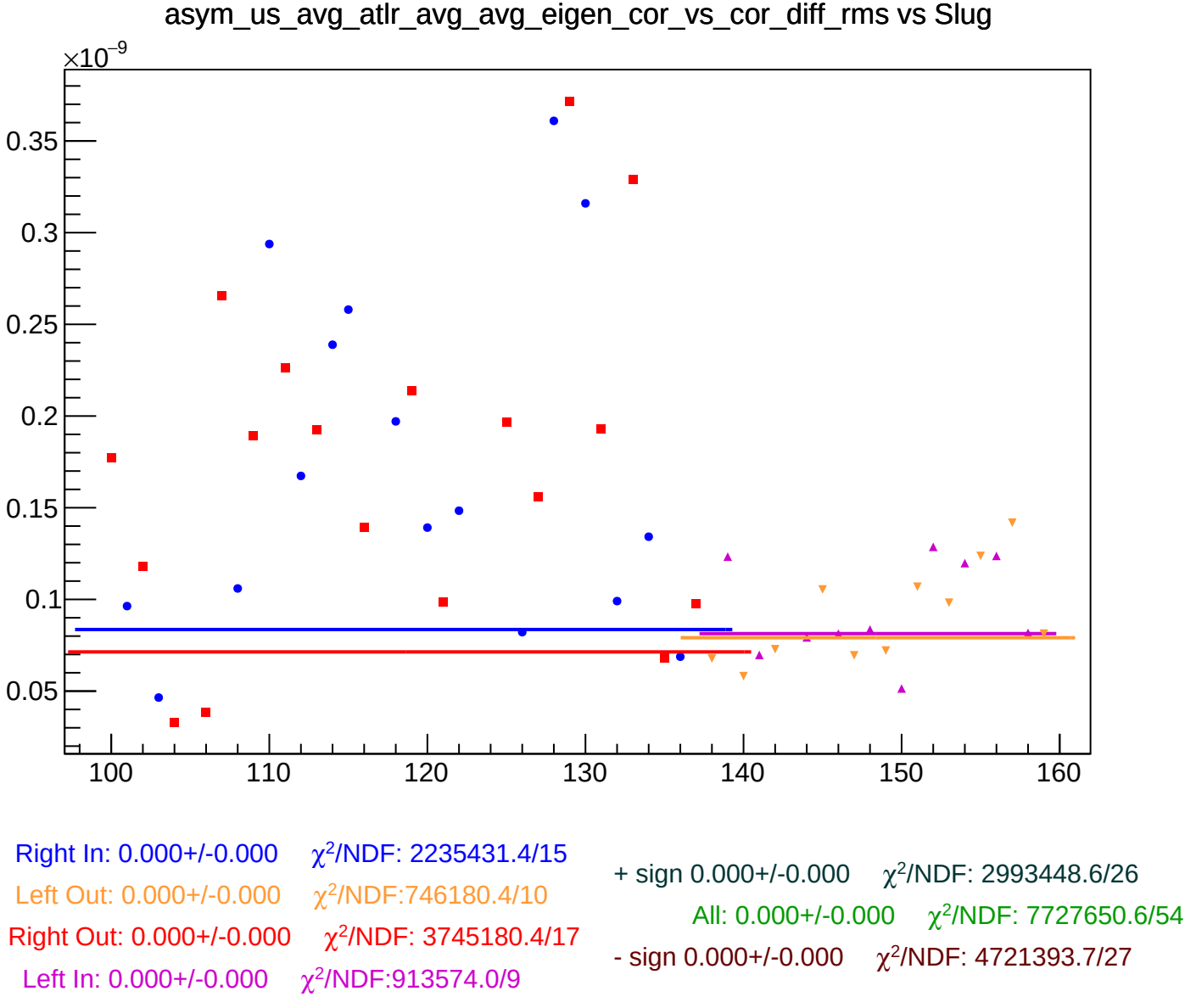
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.1/9

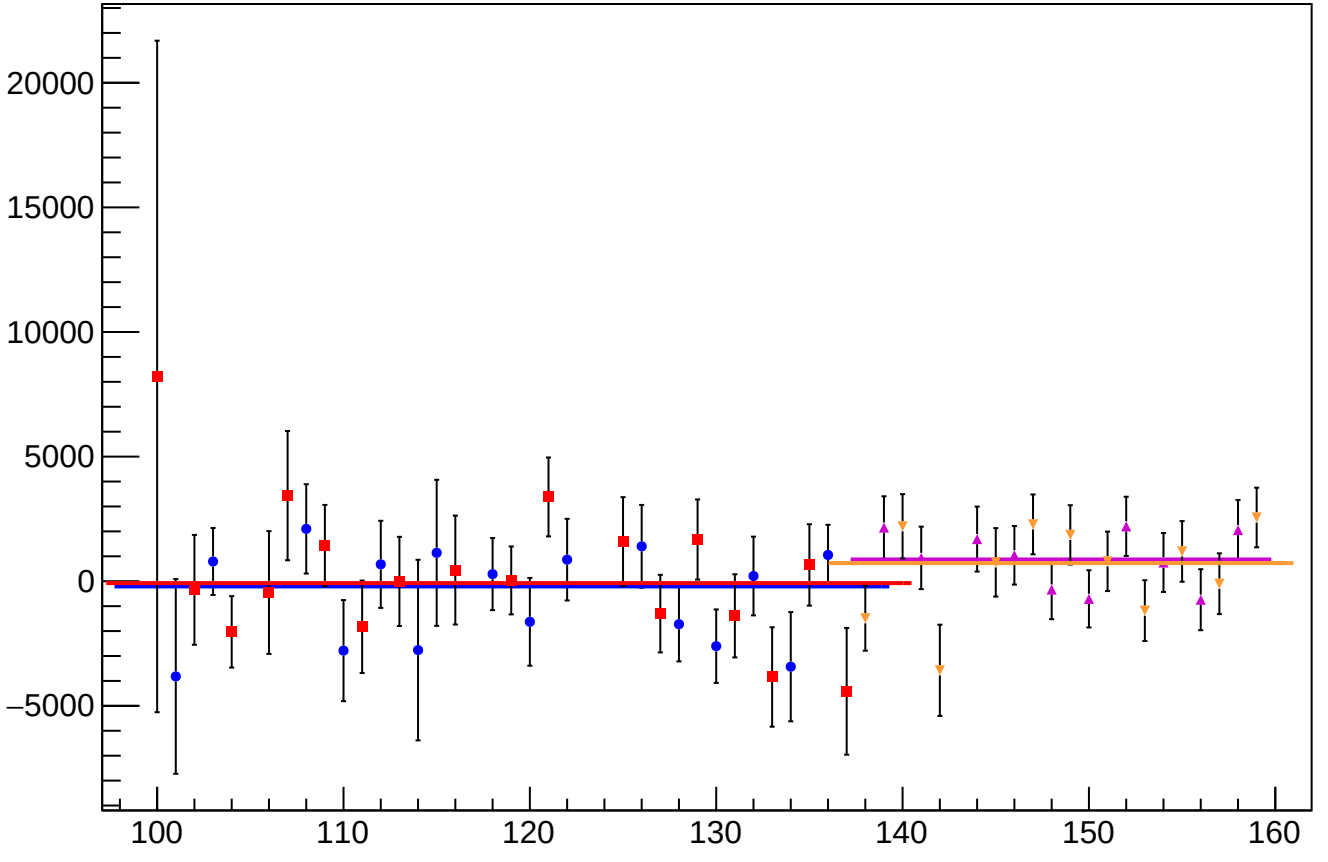
+ sign -0.000+/-0.000 χ^2/NDF: 25.9/26

All: 0.000+/-0.000 χ^2/NDF: 66.2/54

- sign 0.000+/-0.000 χ^2/NDF: 36.6/27


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:913574.0/9
+ sign 0.000+/-0.000 χ²/NDF: 2993448.6/26
All: 0.000+/-0.000 χ²/NDF: 7727650.6/54
- sign 0.000+/-0.000 χ²/NDF: 4721393.7/27

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

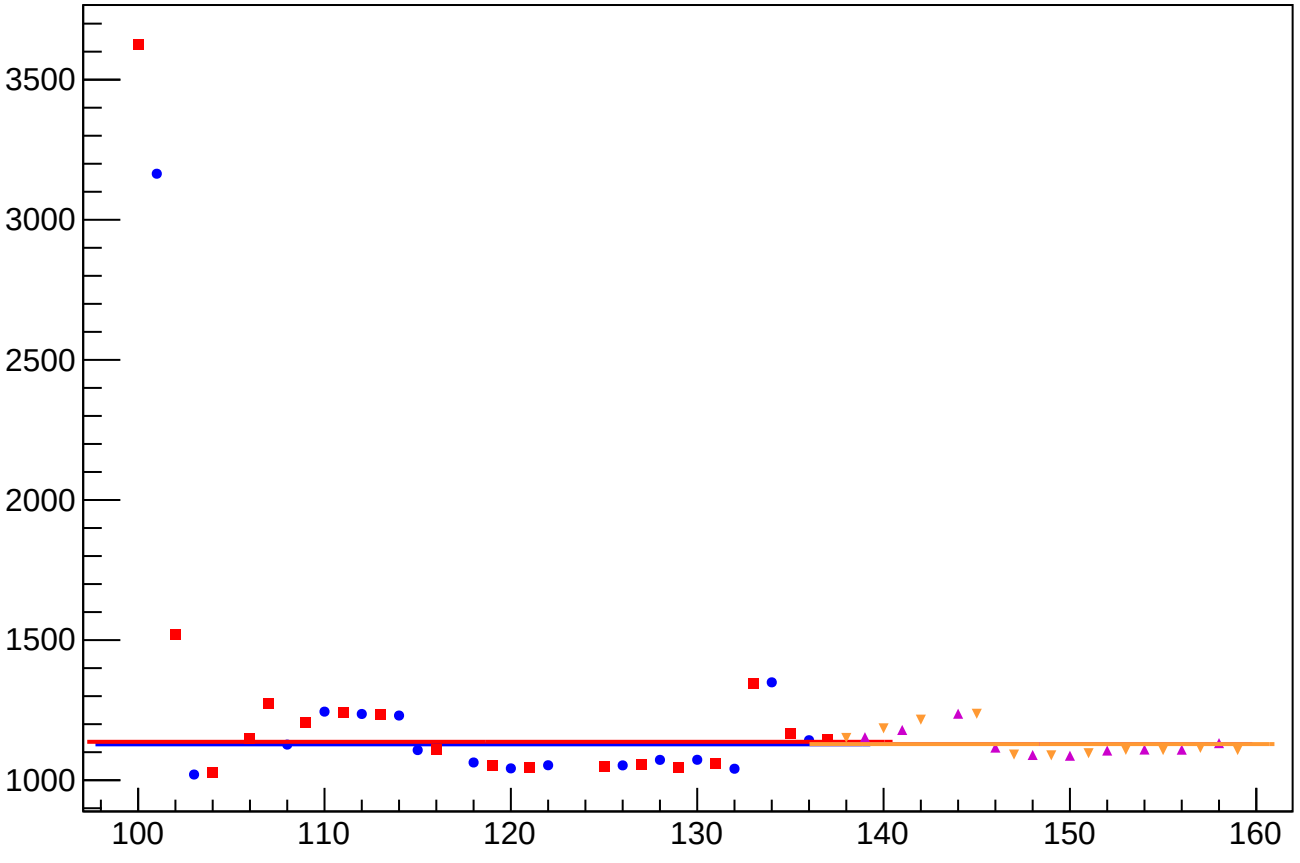
Left In: 871.854+/-382.605 χ^2/NDF:8.3/9

+ sign 313.339+/-285.483 χ^2/NDF: 35.1/26

All: 383.536+/-202.070 χ^2/NDF: 66.9/54

- sign 454.017+/-286.059 χ^2/NDF: 31.7/27

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

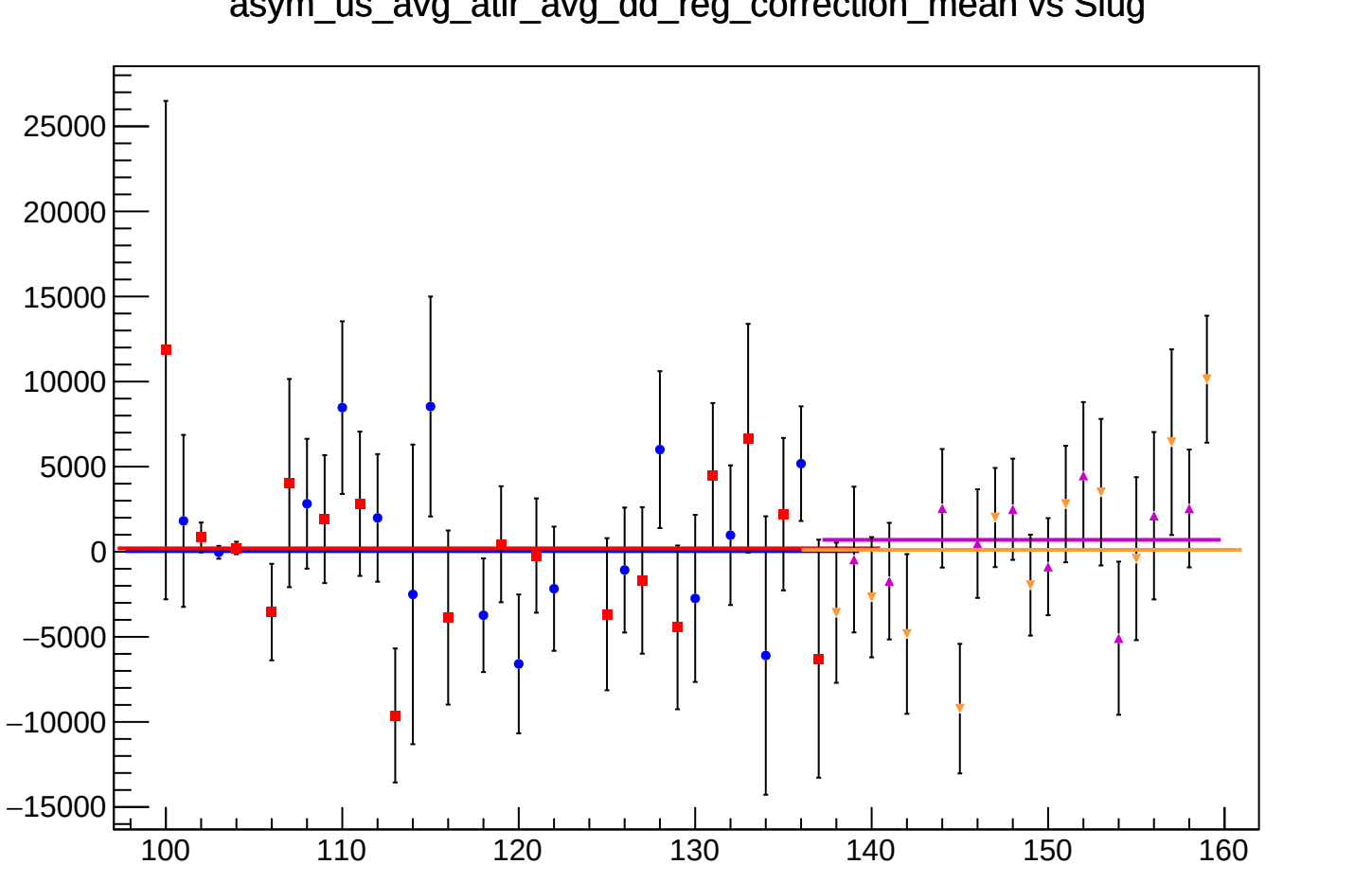
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

+ sign 1128.507+/-0.202 χ^2/NDF: 650495.6/26

All: 1130.600+/-0.143 χ^2/NDF: 895814.9/54

- sign 1132.697+/-0.202 χ^2/NDF: 245104.2/27



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 115.705+/-1137.223 χ^2/NDF:19.3/10

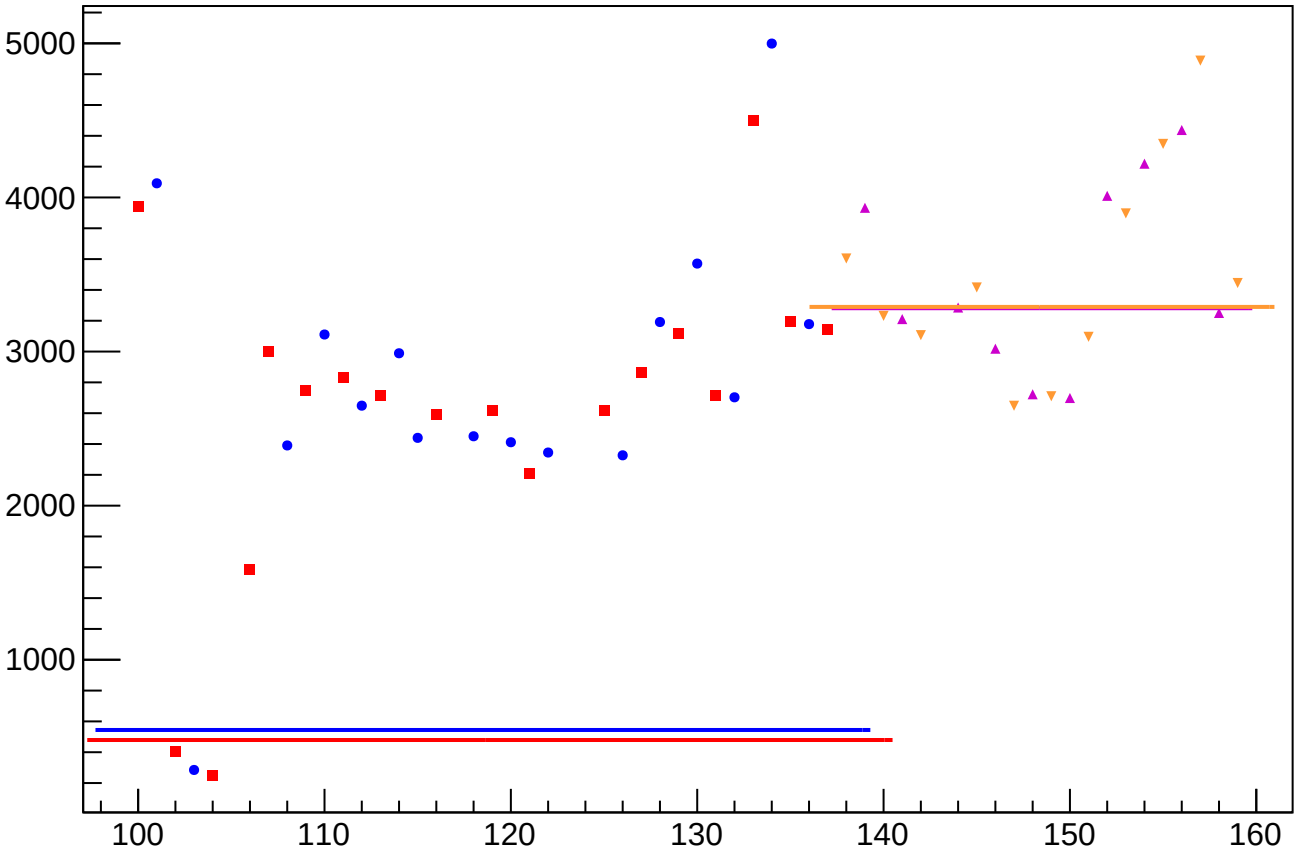
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 700.799+/-1129.279 χ^2/NDF:4.3/9

+ sign 45.267+/-341.177 χ^2/NDF: 34.1/26

All: 151.503+/-229.493 χ^2/NDF: 54.4/54

- sign 239.291+/-310.142 χ^2/NDF: 20.1/27



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

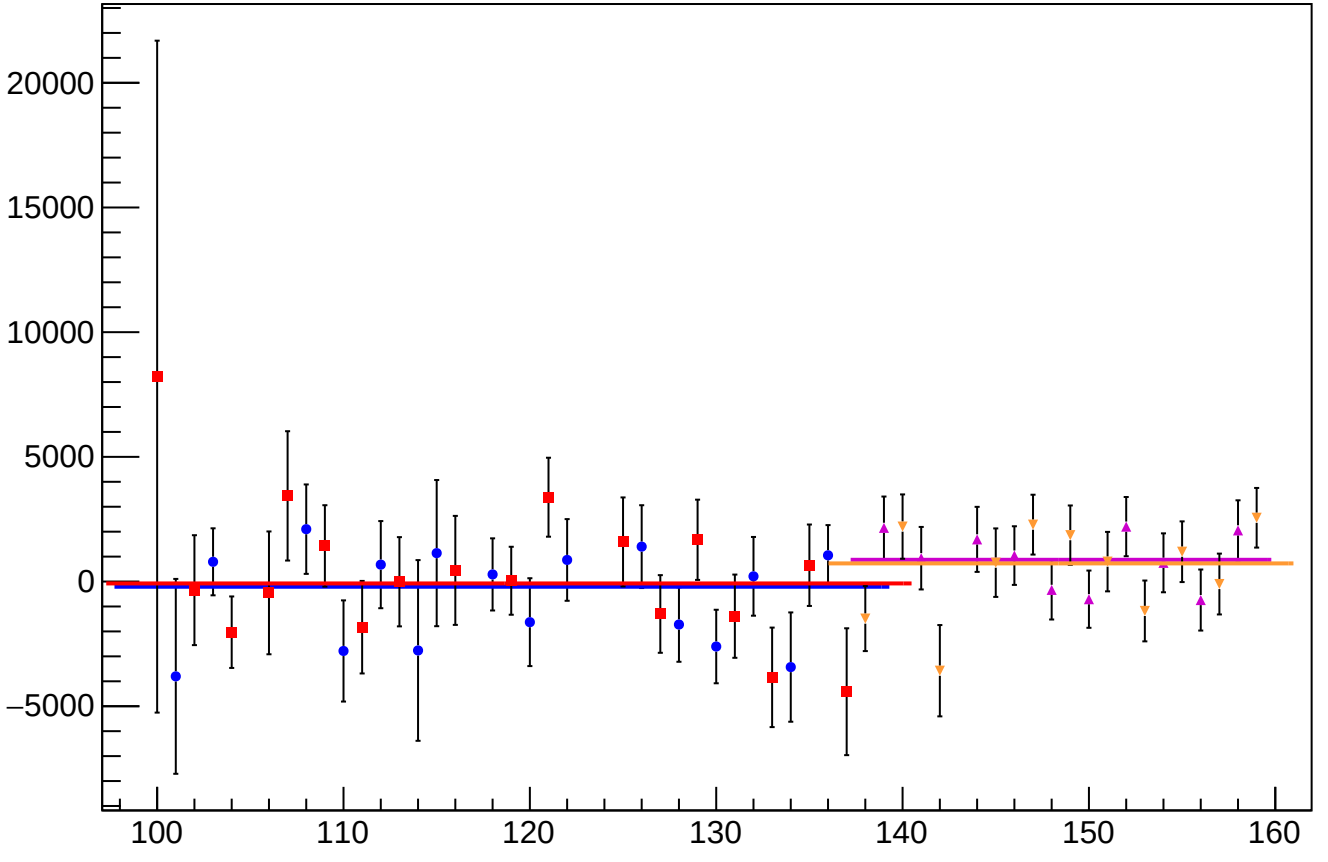
Left In: 3281.221+/-0.799 χ^2/NDF:469429.8/9

+ sign 791.435+/-0.241 χ^2/NDF: 20799538.3/26

All: 736.220+/-0.162 χ^2/NDF: 41936651.5/54

- sign 690.593+/-0.219 χ^2/NDF: 21041444.5/27

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

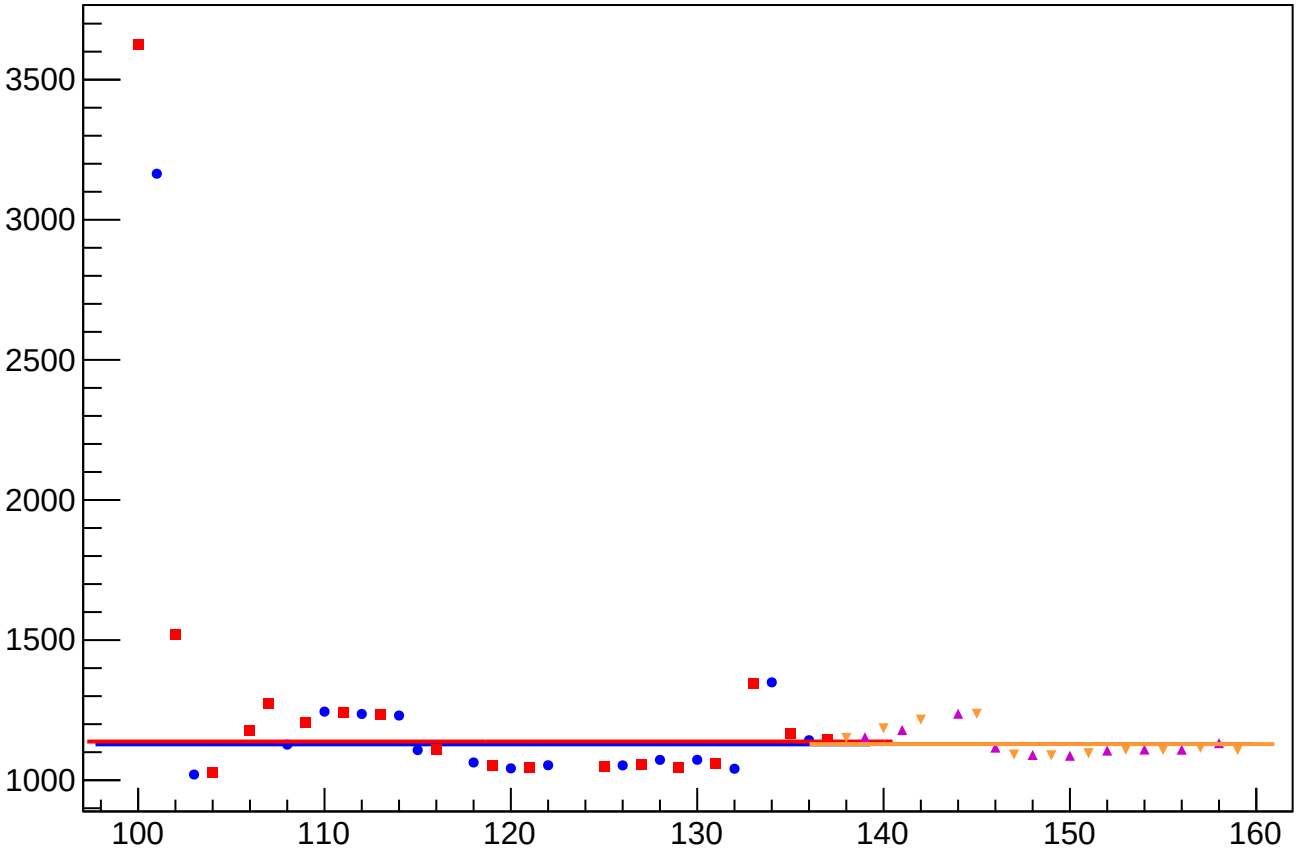
Left In: 871.921+/-382.605 χ^2/NDF:8.3/9

\+ sign 313.452+/-285.483 χ^2/NDF: 35.1/26

All: 383.580+/-202.070 χ^2/NDF: 66.9/54

\- sign 453.991+/-286.059 χ^2/NDF: 31.7/27

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

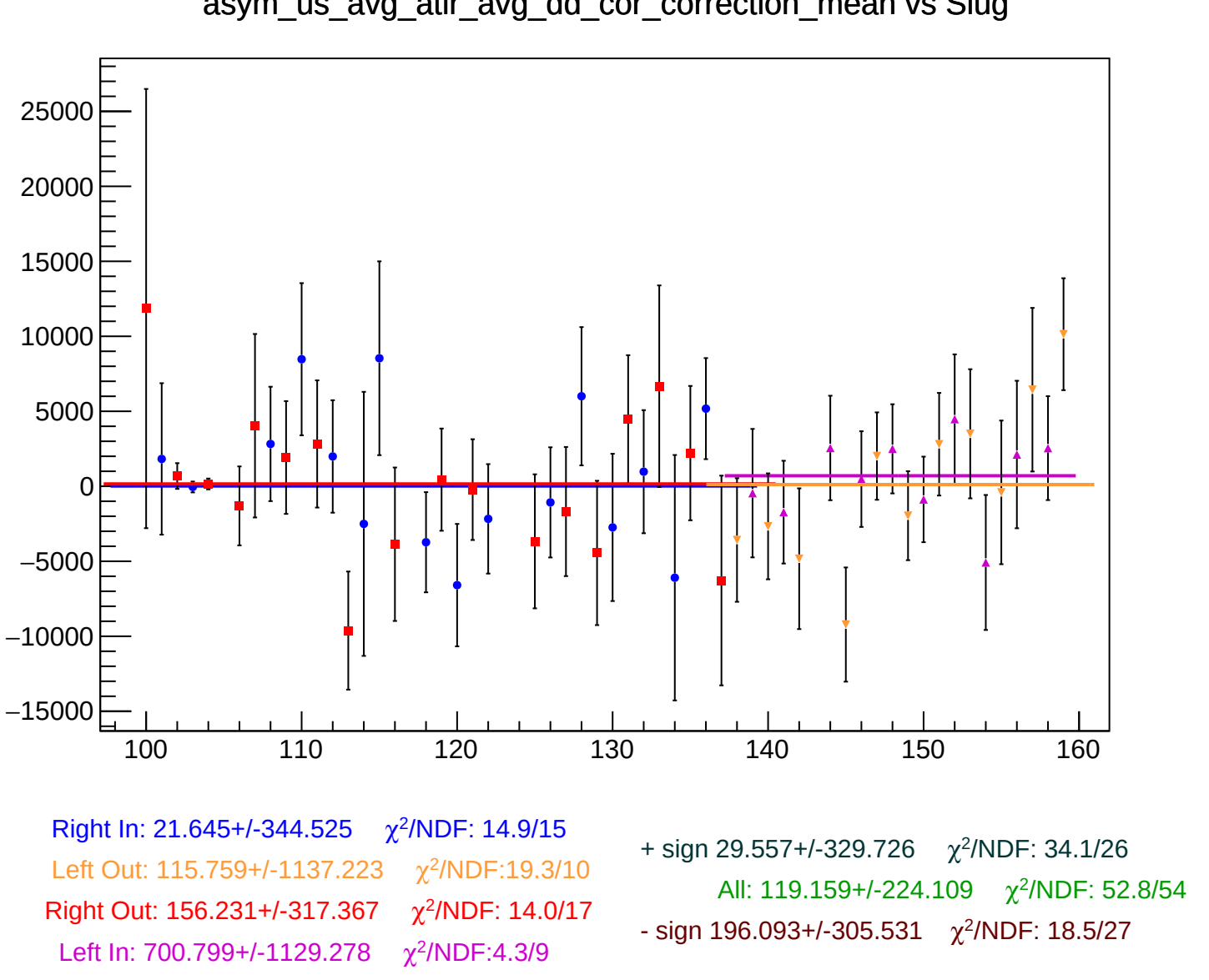
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

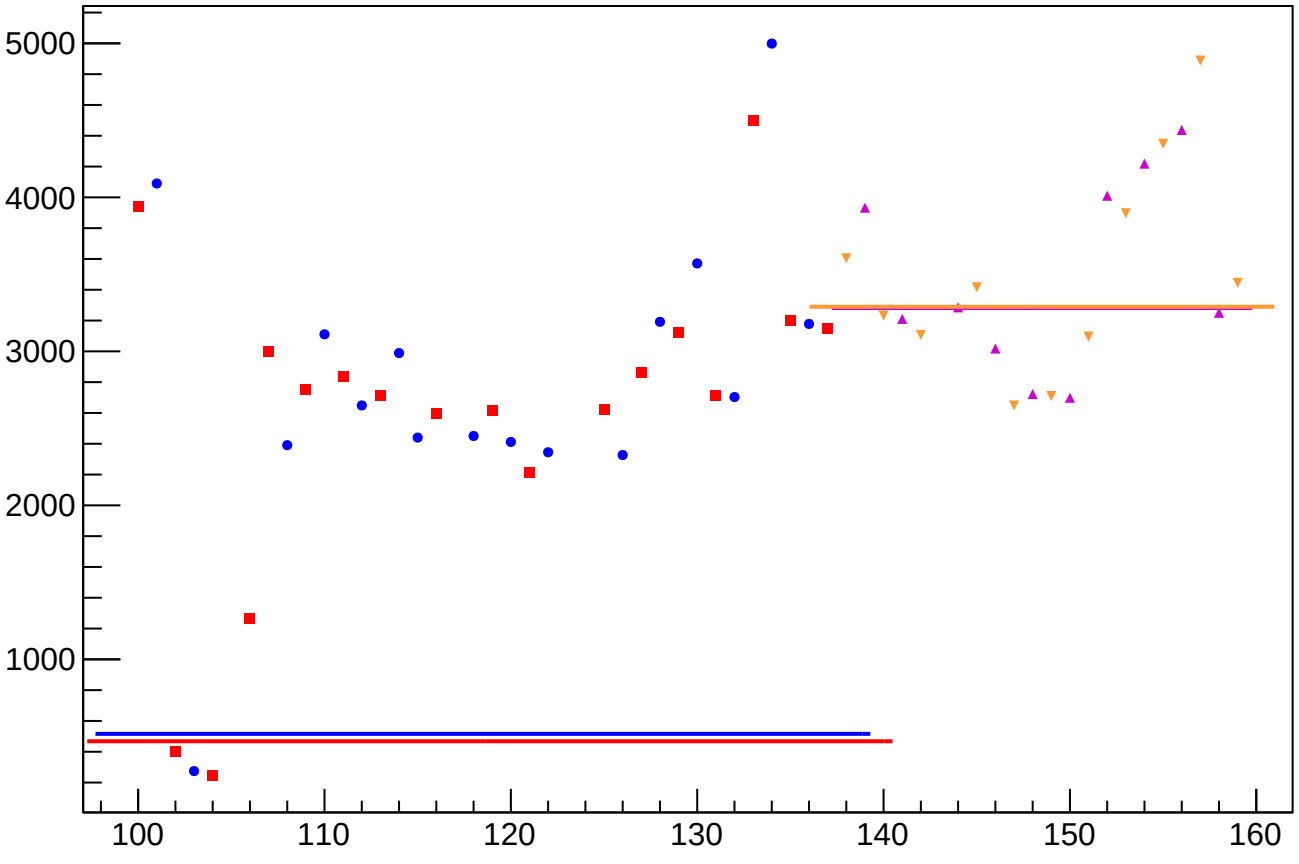
Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

+ sign 1128.507+/-0.202 χ^2/NDF: 650496.7/26

All: 1130.807+/-0.143 χ^2/NDF: 896494.3/54

- sign 1133.115+/-0.202 χ^2/NDF: 245737.5/27


asym_us_avg_atlr_avg_dd_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: 700.799+/-1129.278 χ²/NDF:4.3/9
+ sign 29.557+/-329.726 χ²/NDF: 34.1/26
All: 119.159+/-224.109 χ²/NDF: 52.8/54
- sign 196.093+/-305.531 χ²/NDF: 18.5/27



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

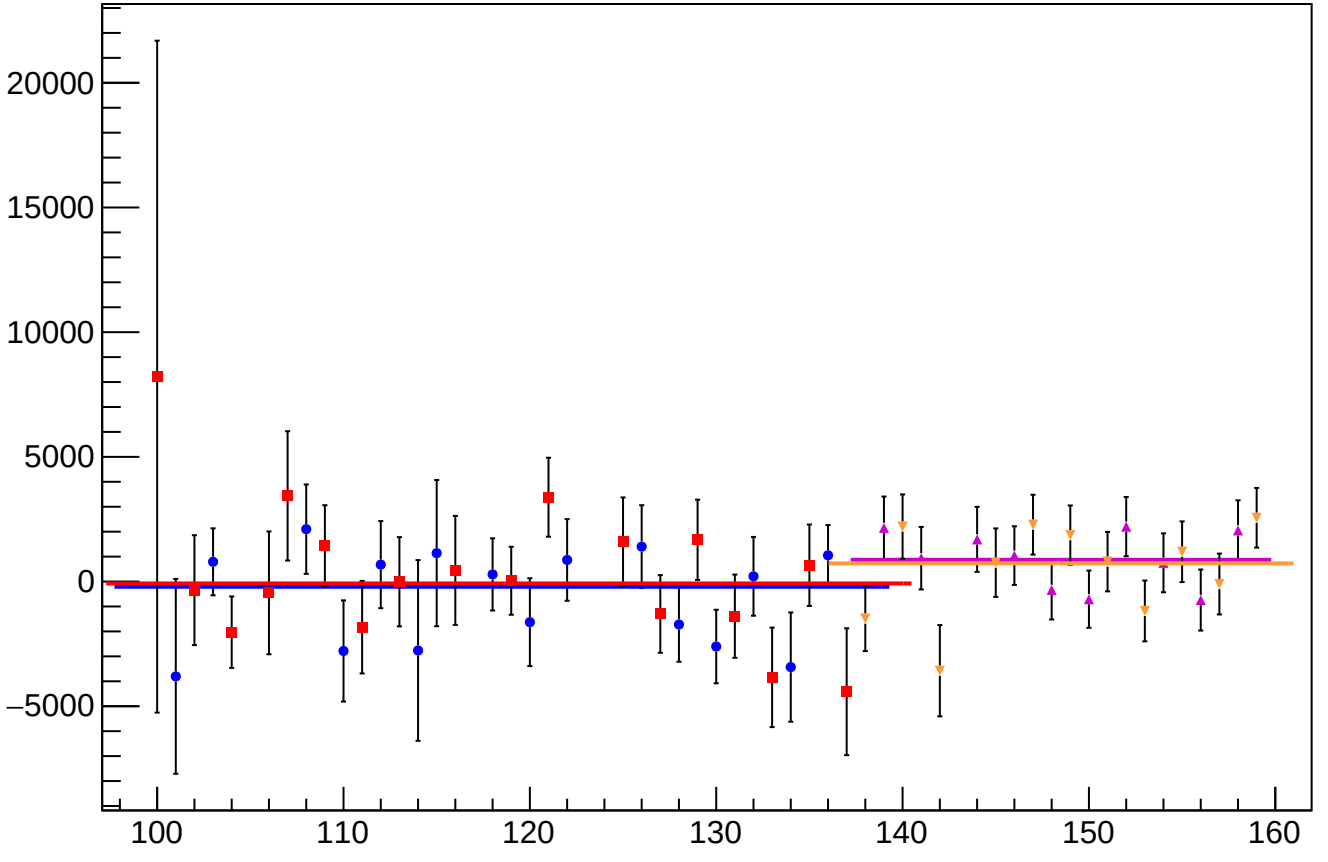
Left In: 3281.219+/-0.799 χ^2/NDF:469433.4/9

+ sign 749.446+/-0.233 χ^2/NDF: 21239662.3/26

All: 708.844+/-0.158 χ^2/NDF: 42379471.5/54

- sign 673.982+/-0.216 χ^2/NDF: 21083444.0/27

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 727.460+/-382.354 χ^2/NDF:17.7/10

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

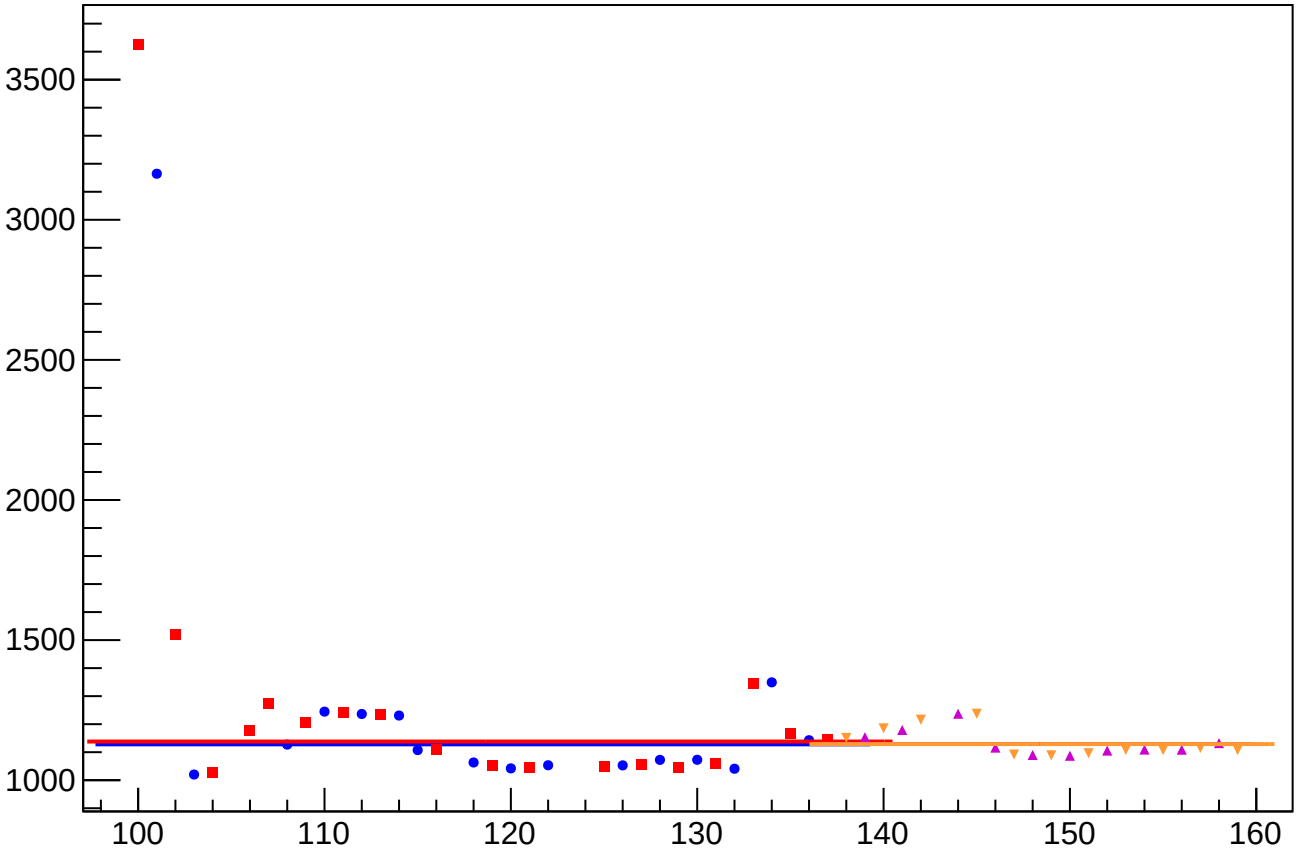
Left In: 871.921+/-382.605 χ^2/NDF:8.3/9

+ sign 313.452+/-285.483 χ^2/NDF: 35.1/26

All: 383.580+/-202.070 χ^2/NDF: 66.9/54

- sign 453.991+/-286.059 χ^2/NDF: 31.7/27

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

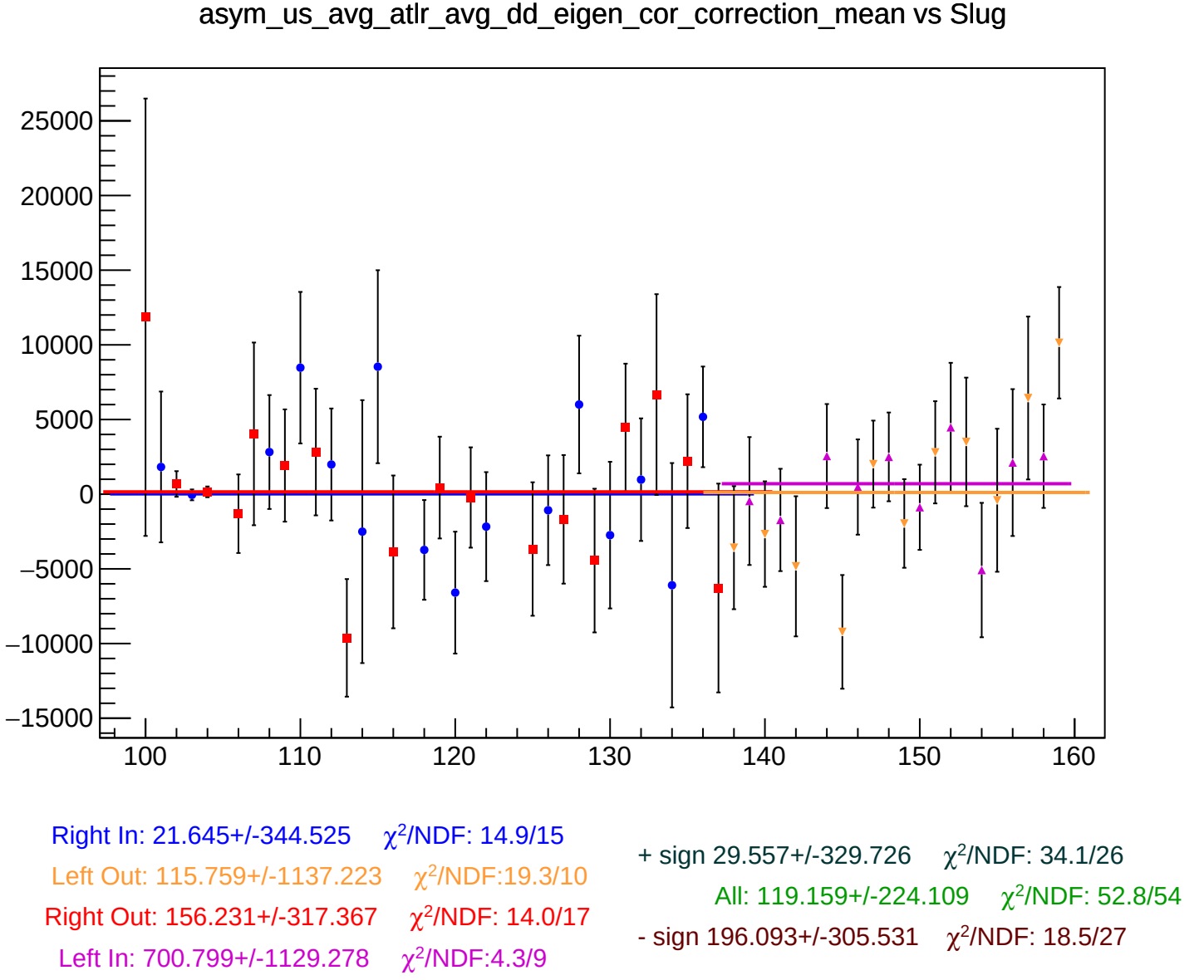
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

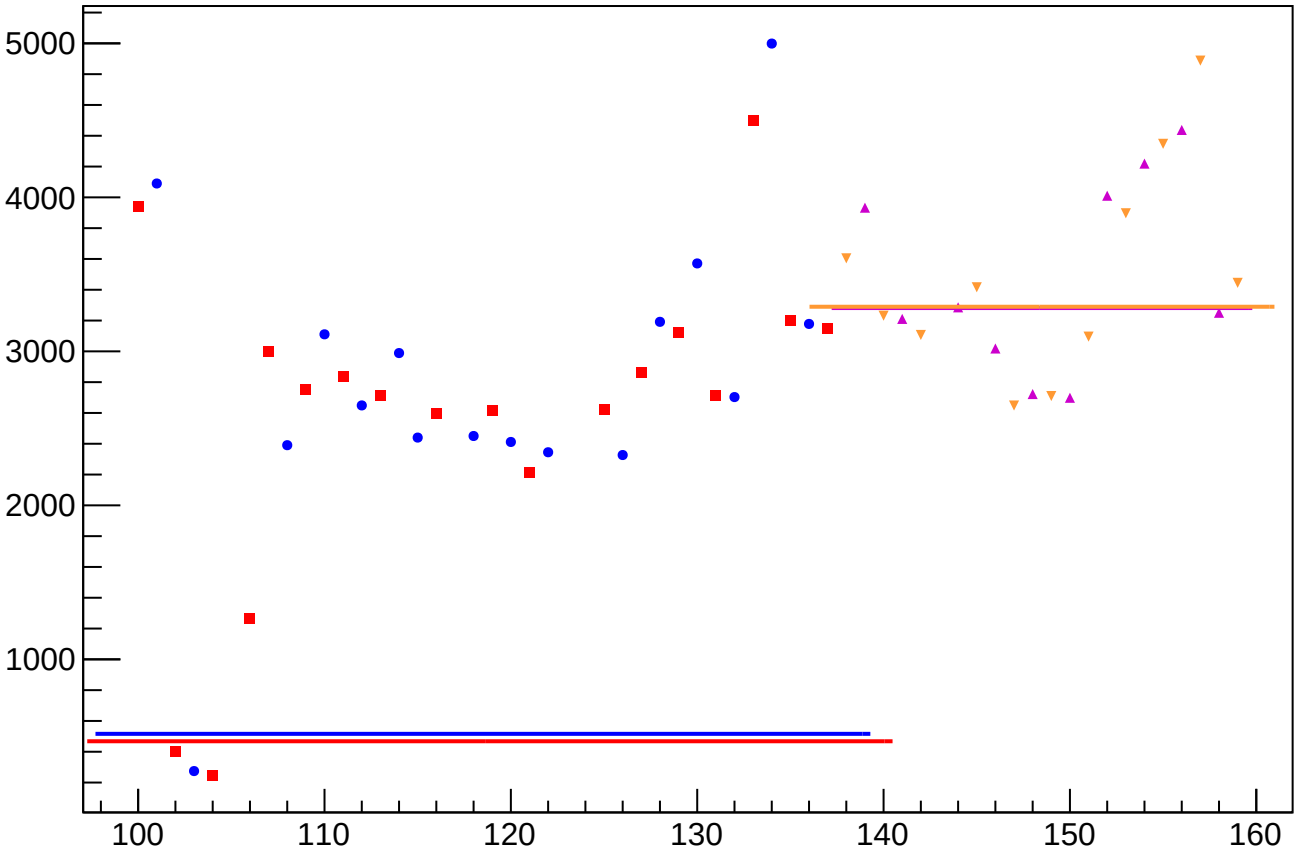
Left In: 1129.257+/-0.271 χ^2/NDF:24652.3/9

+ sign 1128.507+/-0.202 χ^2/NDF: 650496.7/26

All: 1130.807+/-0.143 χ^2/NDF: 896494.3/54

- sign 1133.115+/-0.202 χ^2/NDF: 245737.5/27


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: 700.799+/-1129.278 χ²/NDF:4.3/9
+ sign 29.557+/-329.726 χ²/NDF: 34.1/26
All: 119.159+/-224.109 χ²/NDF: 52.8/54
- sign 196.093+/-305.531 χ²/NDF: 18.5/27



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

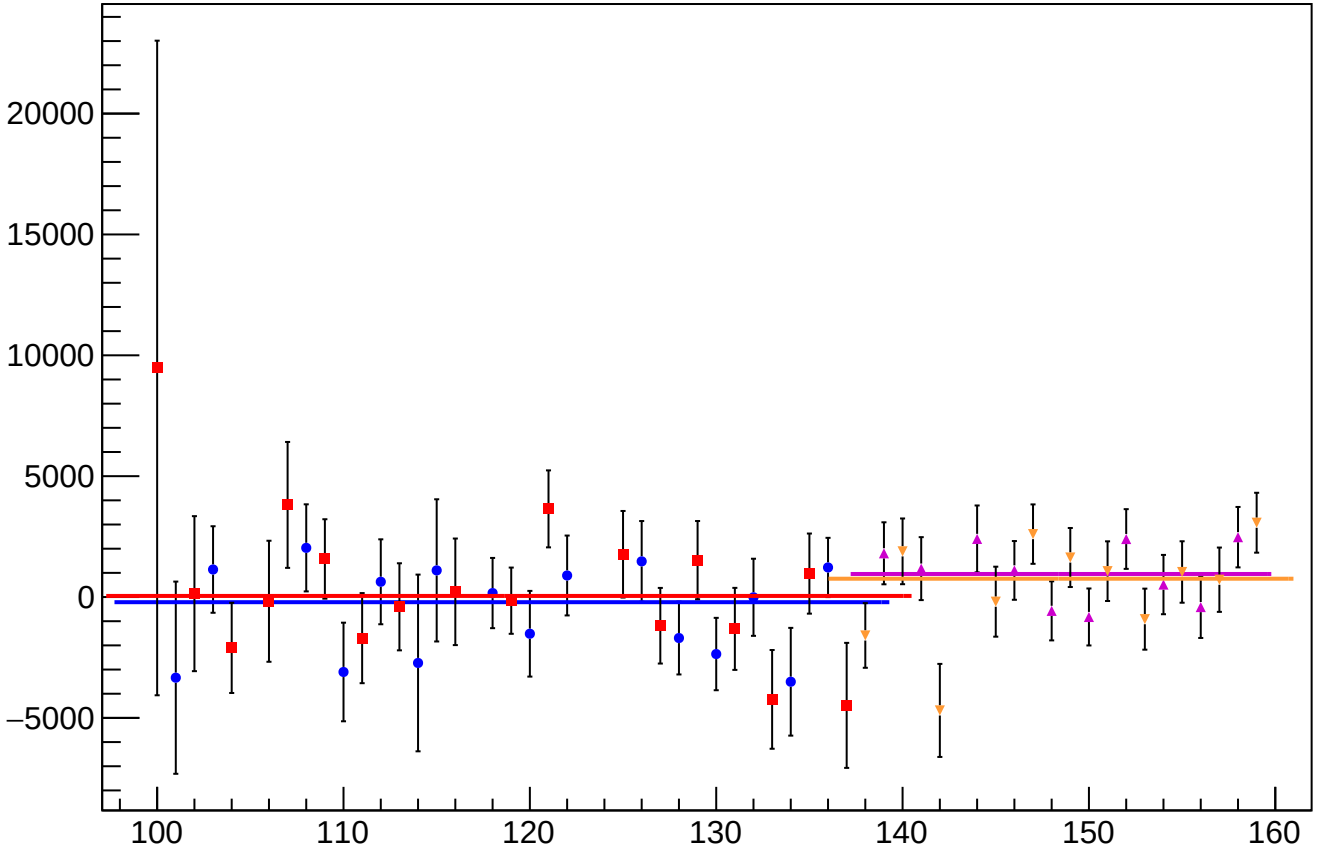
Left In: 3281.219+/-0.799 χ^2/NDF:469433.4/9

+ sign 749.446+/-0.233 χ^2/NDF: 21239662.3/26

All: 708.844+/-0.158 χ^2/NDF: 42379471.5/54

- sign 673.982+/-0.216 χ^2/NDF: 21083444.0/27

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

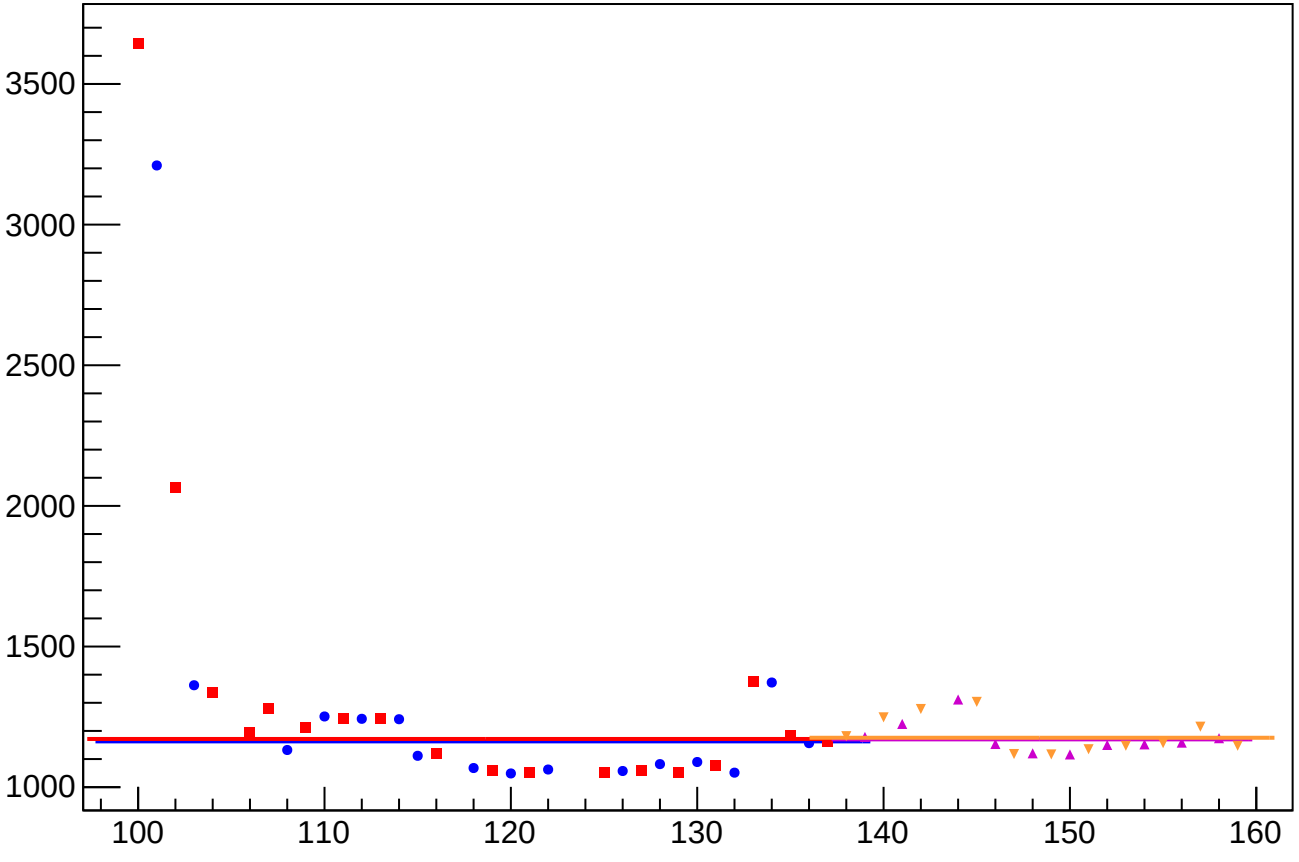
Left In: 954.074+/-396.541 χ^2/NDF:9.6/9

+ sign 323.364+/-296.153 χ^2/NDF: 37.3/26

All: 438.557+/-209.606 χ^2/NDF: 71.2/54

- sign 554.179+/-296.704 χ^2/NDF: 33.5/27

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

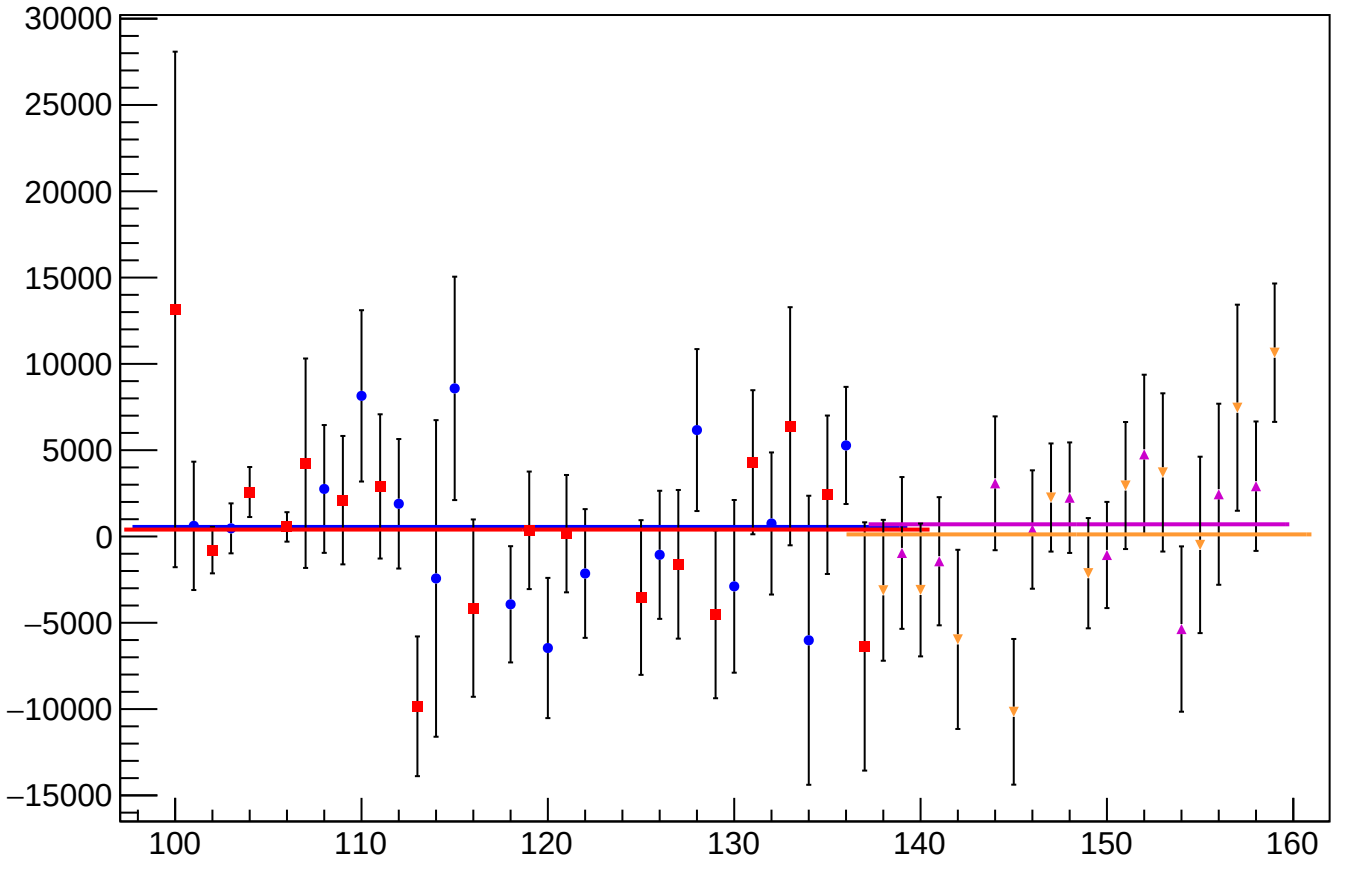
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1169.968+/-0.280 χ^2/NDF:33578.1/9

+ sign 1169.961+/-0.209 χ^2/NDF: 678782.8/26

All: 1170.284+/-0.148 χ^2/NDF: 1044018.3/54

- sign 1170.607+/-0.210 χ^2/NDF: 365230.7/27



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 120.795+/-1221.051 χ^2/NDF:19.2/10

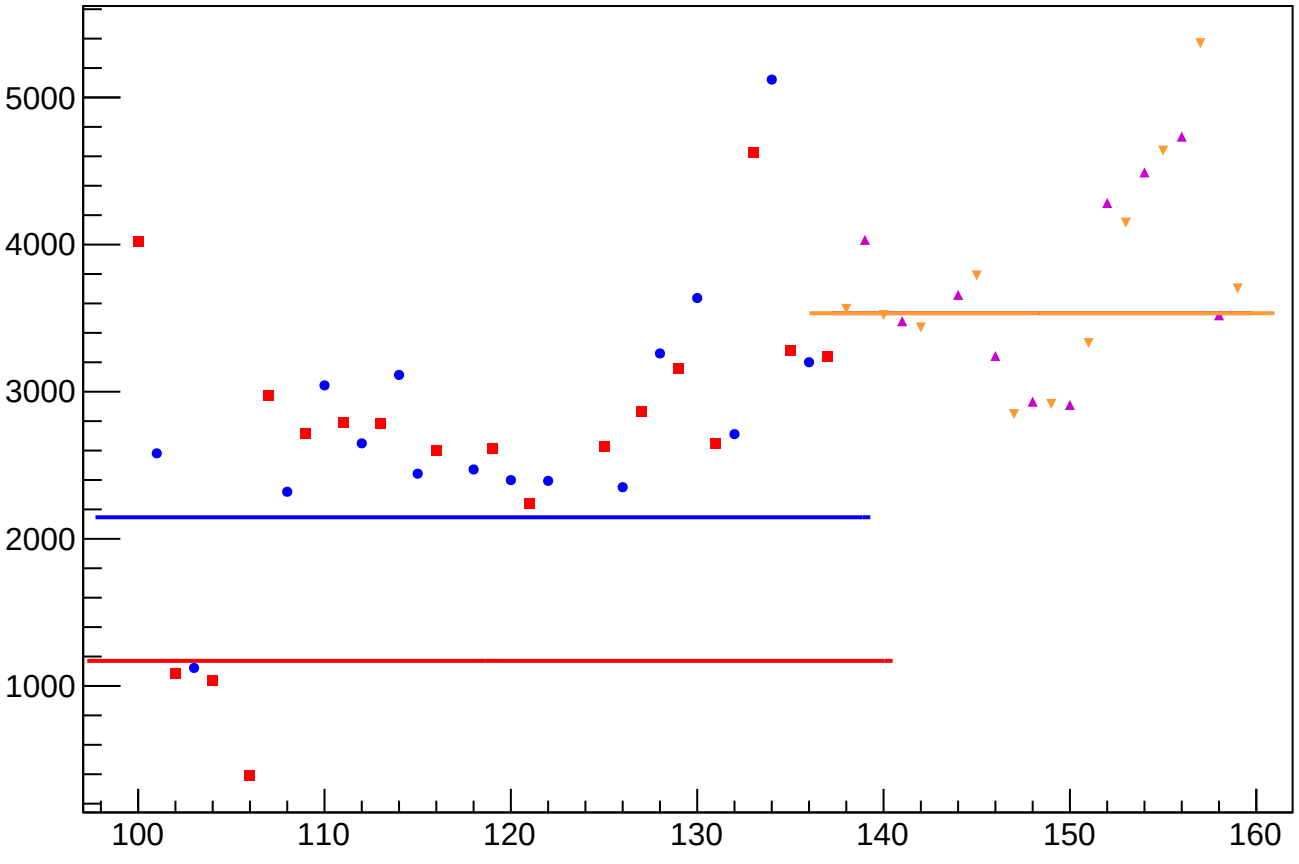
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 705.517+/-1215.292 χ^2/NDF:4.3/9

+ sign 406.234+/-710.770 χ^2/NDF: 33.7/26

All: 438.160+/-415.964 χ^2/NDF: 54.7/54

- sign 454.791+/-512.987 χ^2/NDF: 21.0/27



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

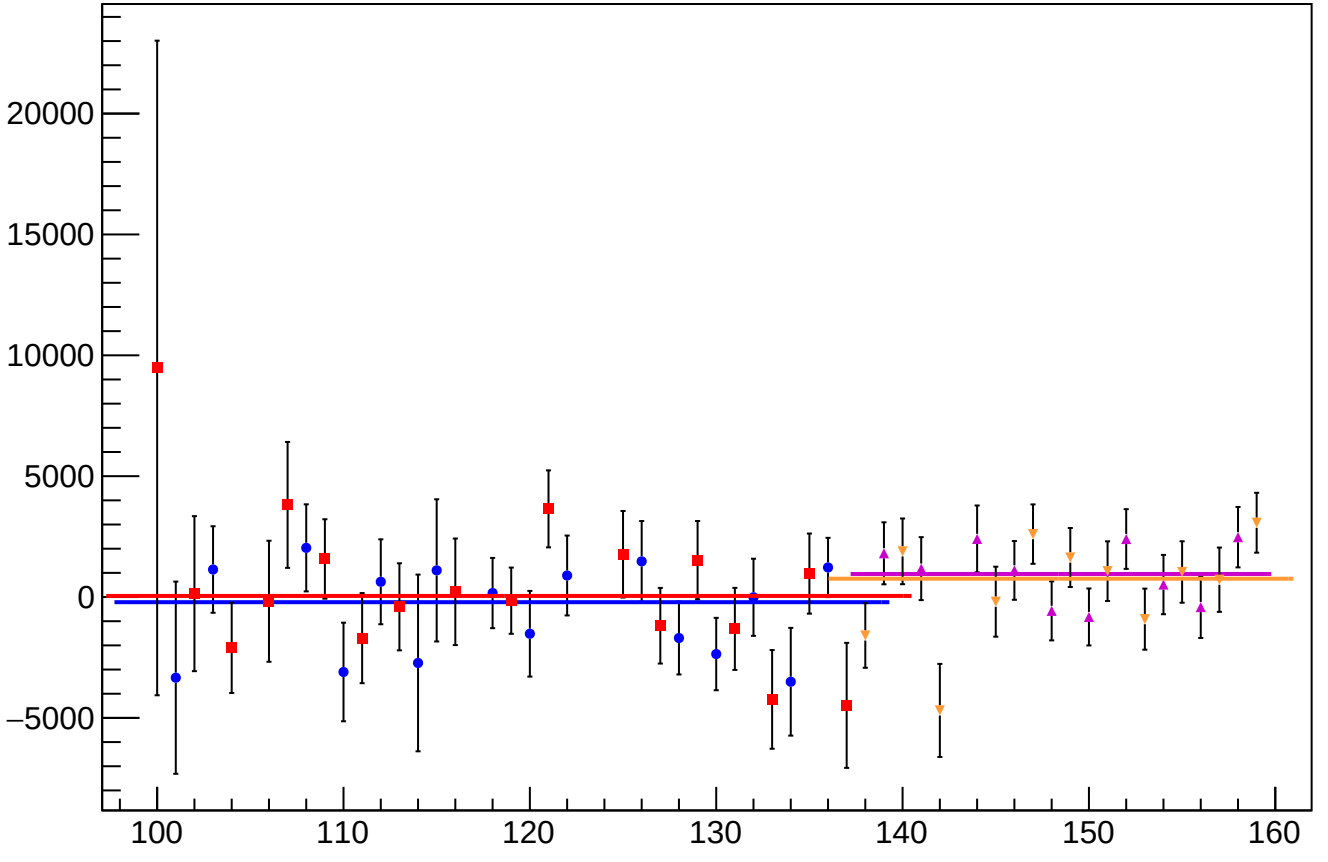
Left In: 3534.233+/-0.859 χ^2/NDF:432575.6/9

+ sign 2616.530+/-0.503 χ^2/NDF: 4187374.1/26

All: 1942.714+/-0.294 χ^2/NDF: 19388672.4/5

- sign 1591.723+/-0.363 χ^2/NDF: 12467572.1/27

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 757.951+/-398.448 χ^2/NDF:20.4/10

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

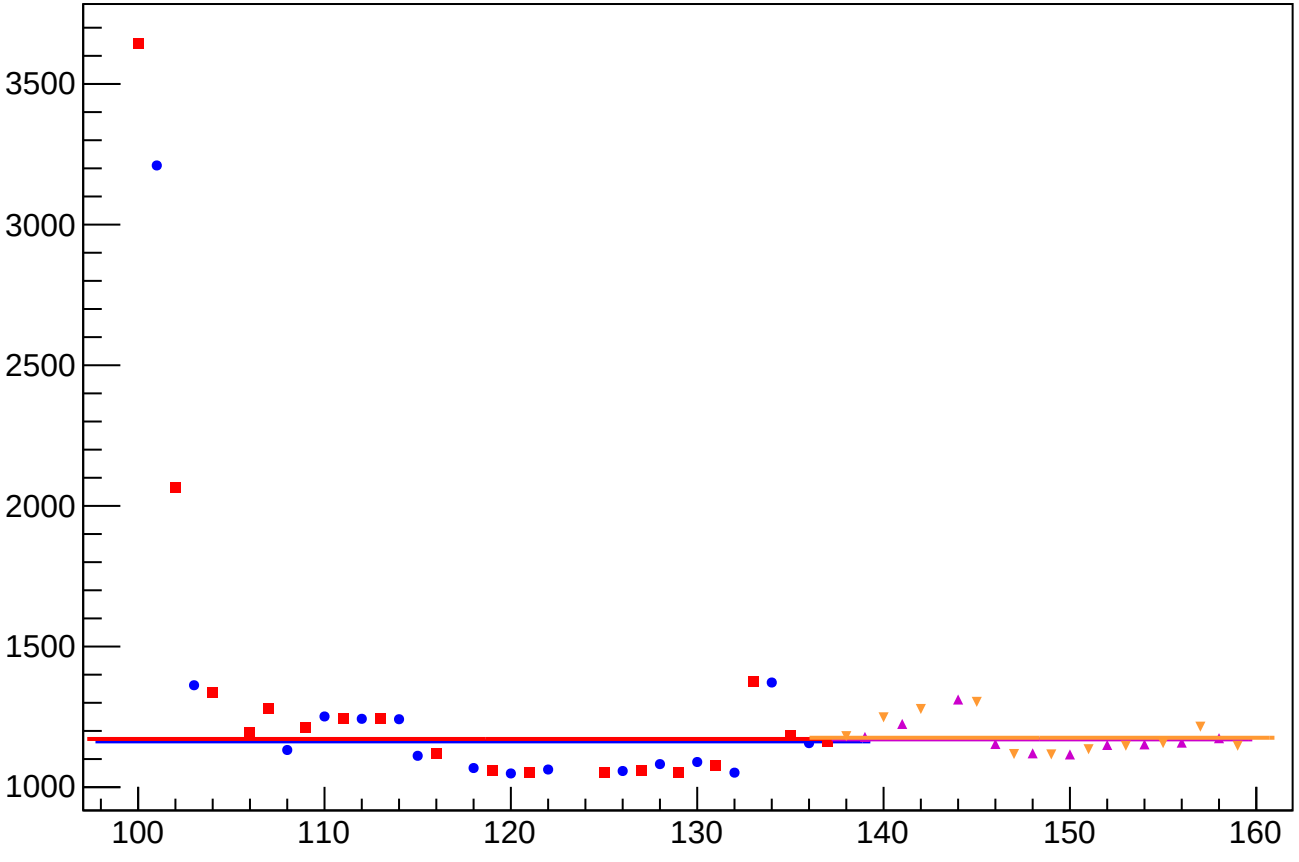
Left In: 954.073+/-396.541 χ^2/NDF:9.6/9

+ sign 323.362+/-296.153 χ^2/NDF: 37.3/26

All: 438.556+/-209.606 χ^2/NDF: 71.2/54

- sign 554.180+/-296.704 χ^2/NDF: 33.5/27

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

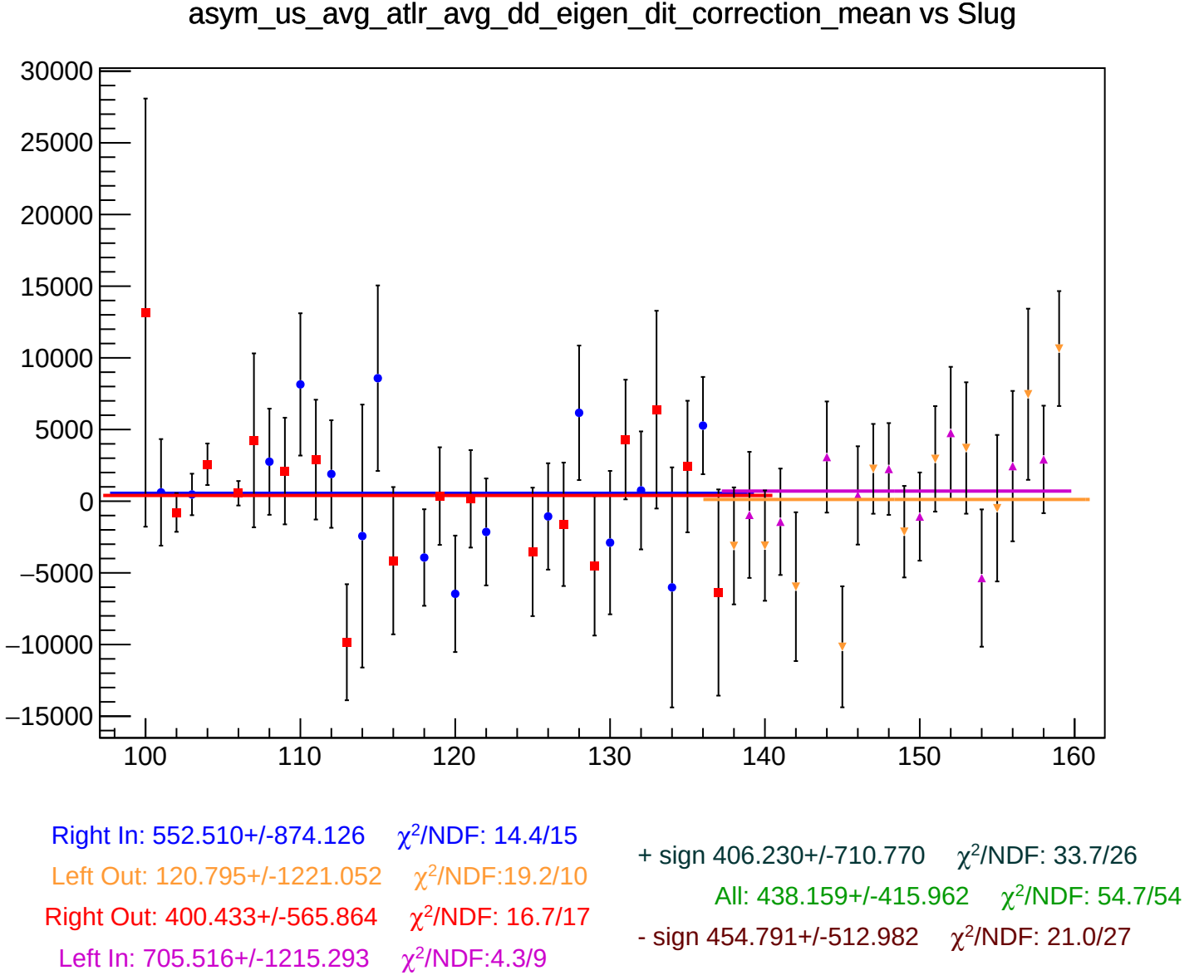
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

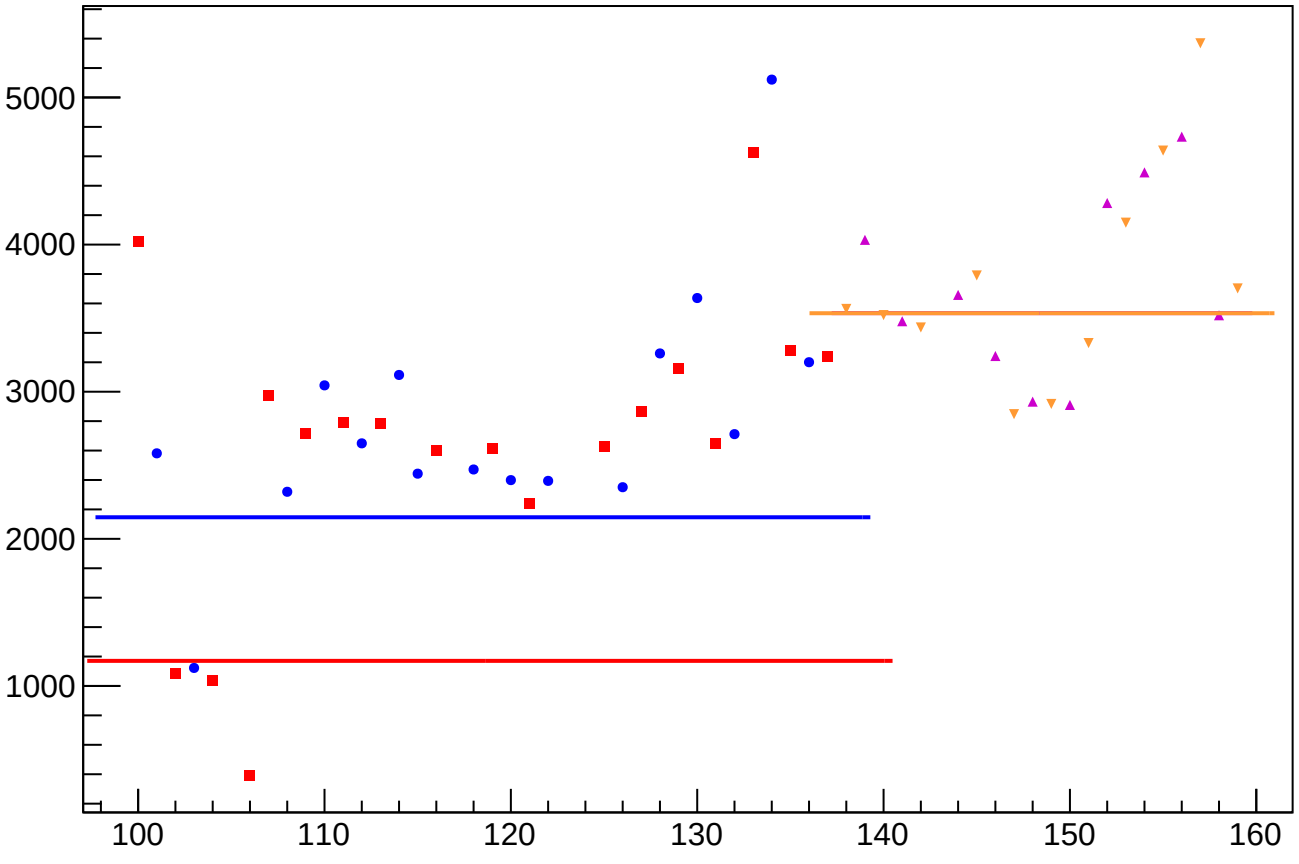
Left In: 1169.969+/-0.280 χ^2/NDF:33578.3/9

+ sign 1169.961+/-0.209 χ^2/NDF: 678783.5/26

All: 1170.284+/-0.148 χ^2/NDF: 1044018.8/54

- sign 1170.608+/-0.210 χ^2/NDF: 365230.5/27


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 552.510+/-874.126 χ²/NDF: 14.4/15
Left Out: 120.795+/-1221.052 χ²/NDF:19.2/10
Right Out: 400.433+/-565.864 χ²/NDF: 16.7/17
Left In: 705.516+/-1215.293 χ²/NDF:4.3/9
+ sign 406.230+/-710.770 χ²/NDF: 33.7/26
All: 438.159+/-415.962 χ²/NDF: 54.7/54
- sign 454.791+/-512.982 χ²/NDF: 21.0/27



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

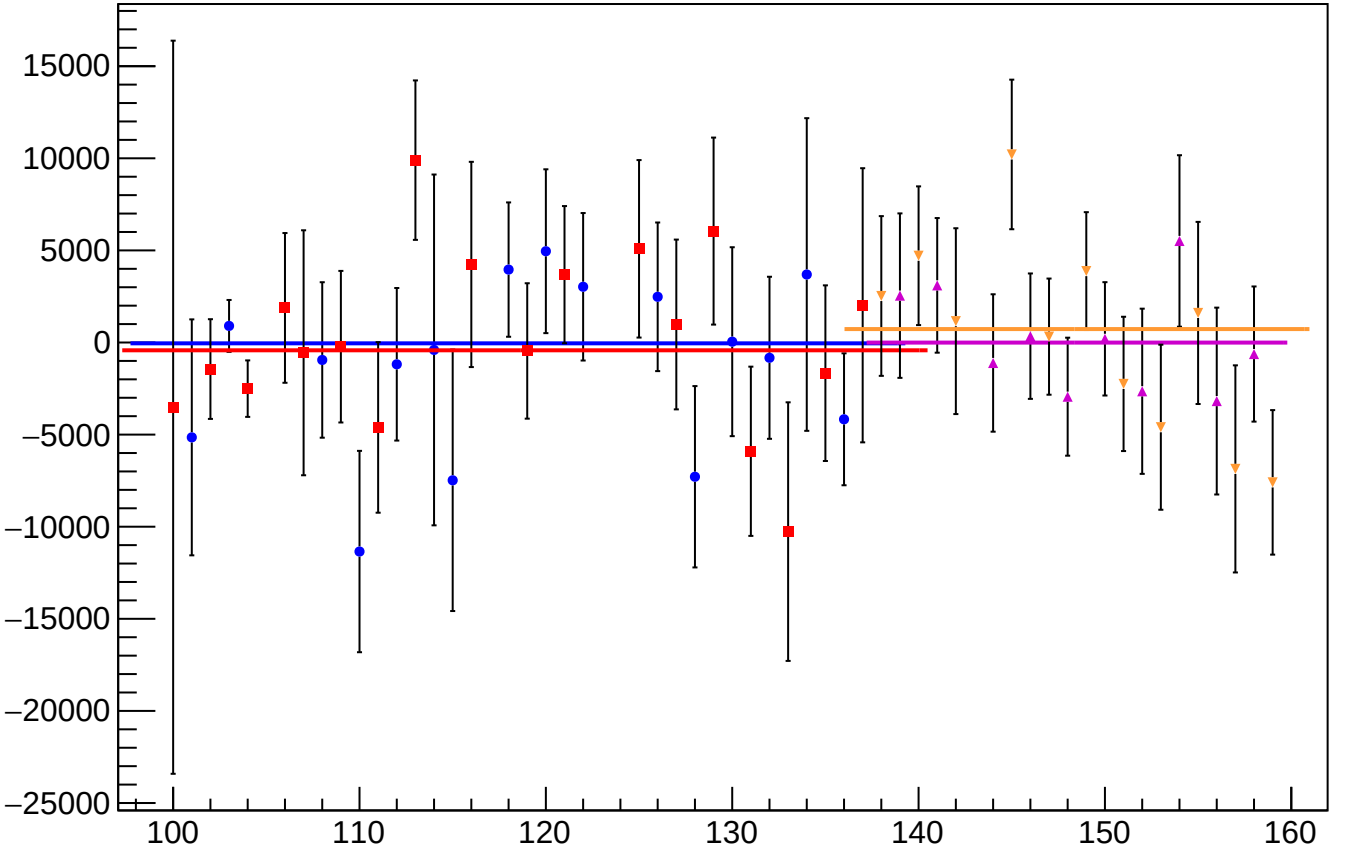
Left In: 3534.237+/-0.859 χ^2/NDF:432575.7/9

+ sign 2616.528+/-0.503 χ^2/NDF: 4187386.3/26

All: 1942.691+/-0.294 χ^2/NDF: 19389122.3/5

- sign 1591.696+/-0.363 χ^2/NDF: 12467855.9/27

asym_us_avg_atlr_avg_dd_mean vs Slug



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

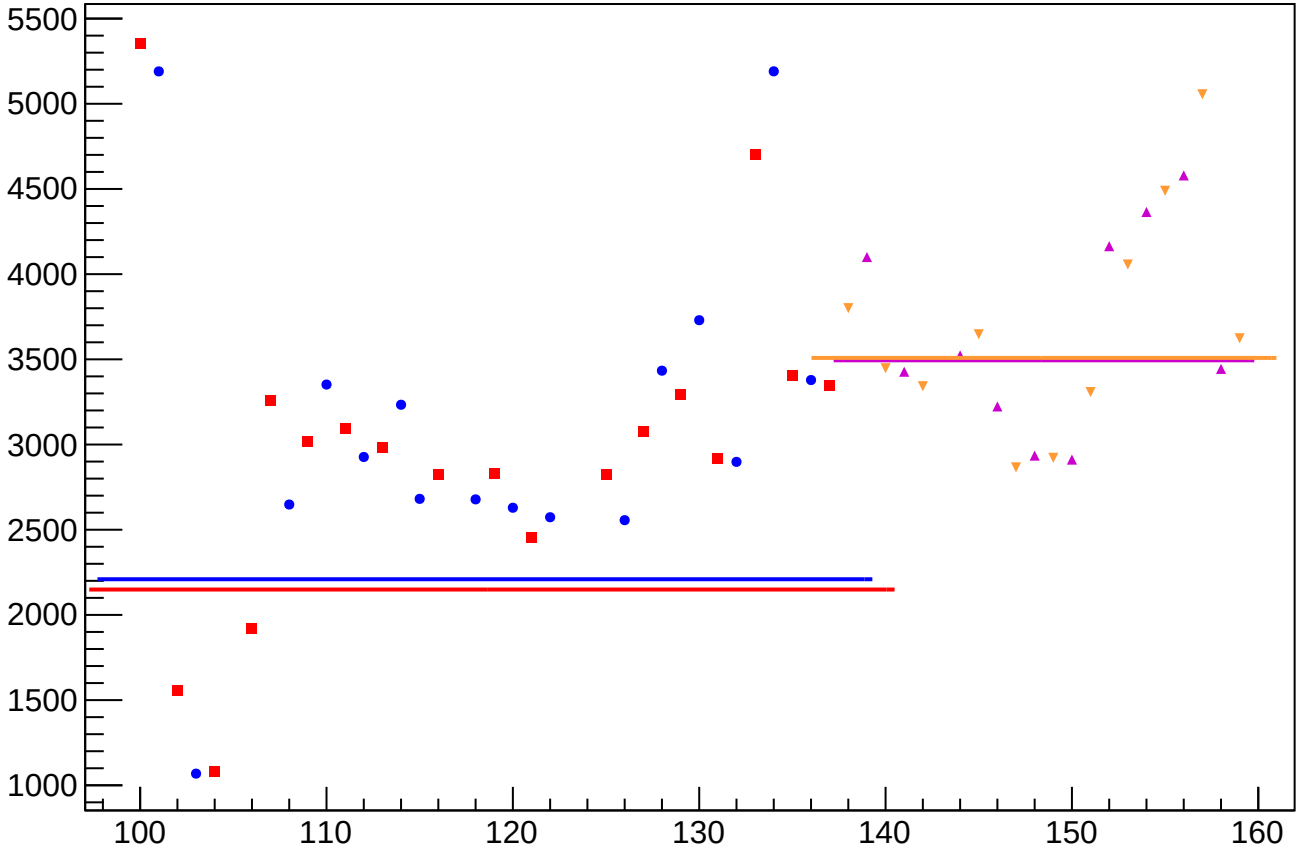
Left In: -4.803+/-1199.160 χ^2/NDF:4.2/9

+ sign 239.385+/-732.406 χ^2/NDF: 30.2/26

All: -22.007+/-512.773 χ^2/NDF: 52.0/54

- sign -273.319+/-718.145 χ^2/NDF: 21.6/27

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

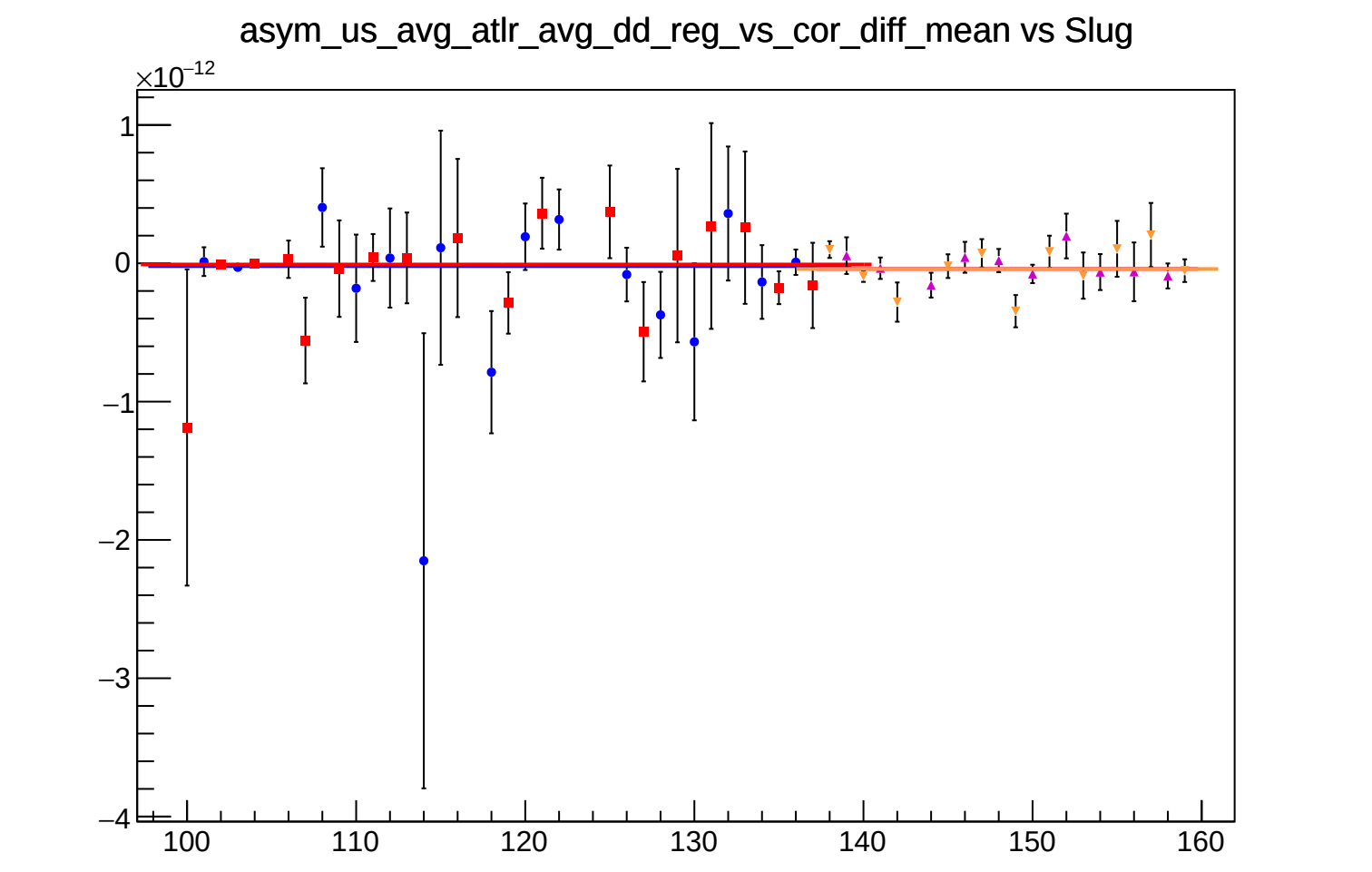
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

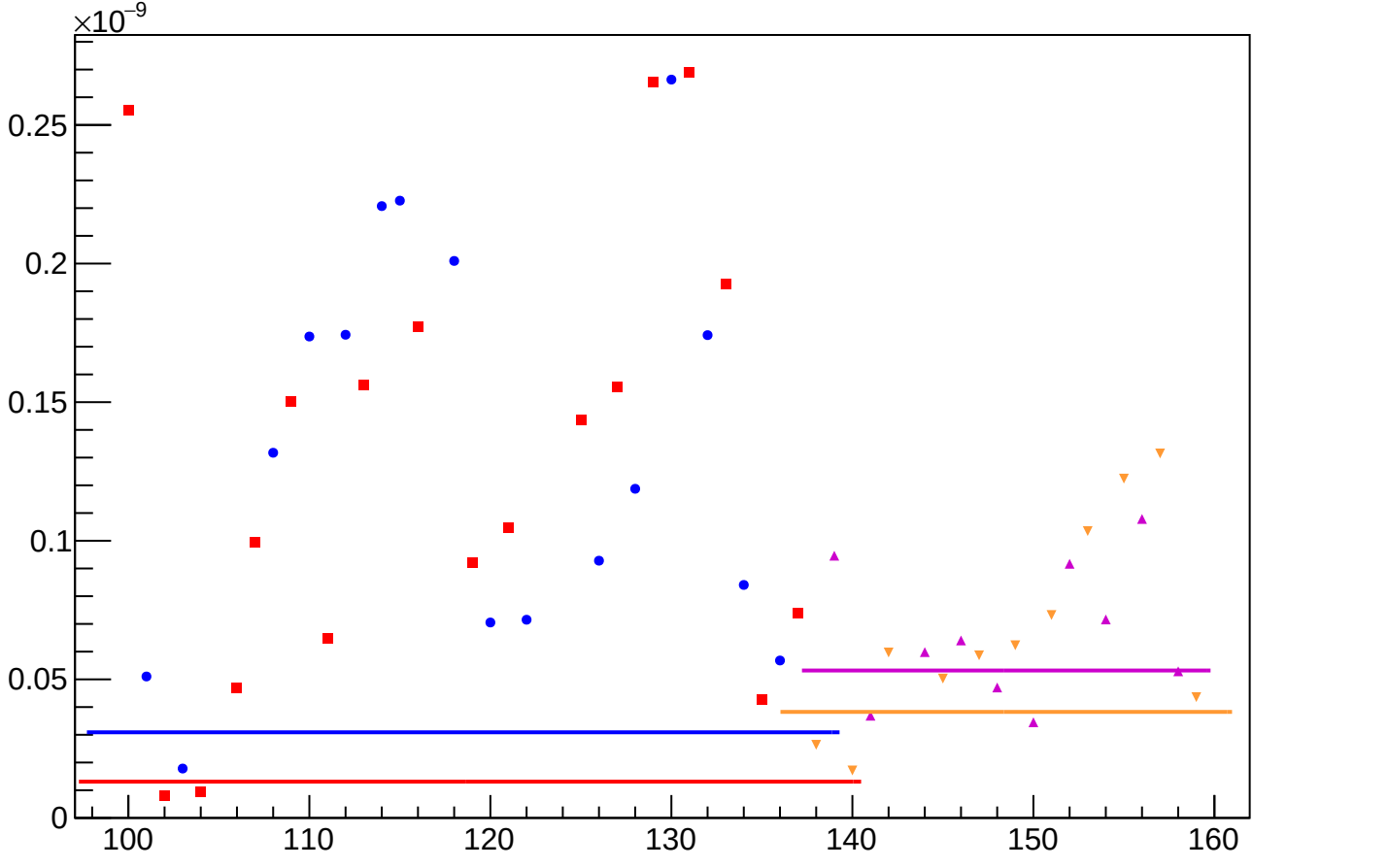
Left In: 3494.361+/-0.848 χ^2/NDF:389538.8/9

+ sign 2686.446+/-0.518 χ^2/NDF: 4731398.1/26

All: 2657.624+/-0.362 χ^2/NDF: 9014099.9/54

- sign 2629.998+/-0.507 χ^2/NDF: 4276635.8/27


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
−4
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:20.9/10
Right Out: -0.000+/-0.000 χ²/NDF: 14.0/17
Left In: -0.000+/-0.000 χ²/NDF:6.1/9
+ sign -0.000+/-0.000 χ²/NDF: 35.0/26
All: -0.000+/-0.000 χ²/NDF: 56.5/54
- sign -0.000+/-0.000 χ²/NDF: 21.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2026632.3/10

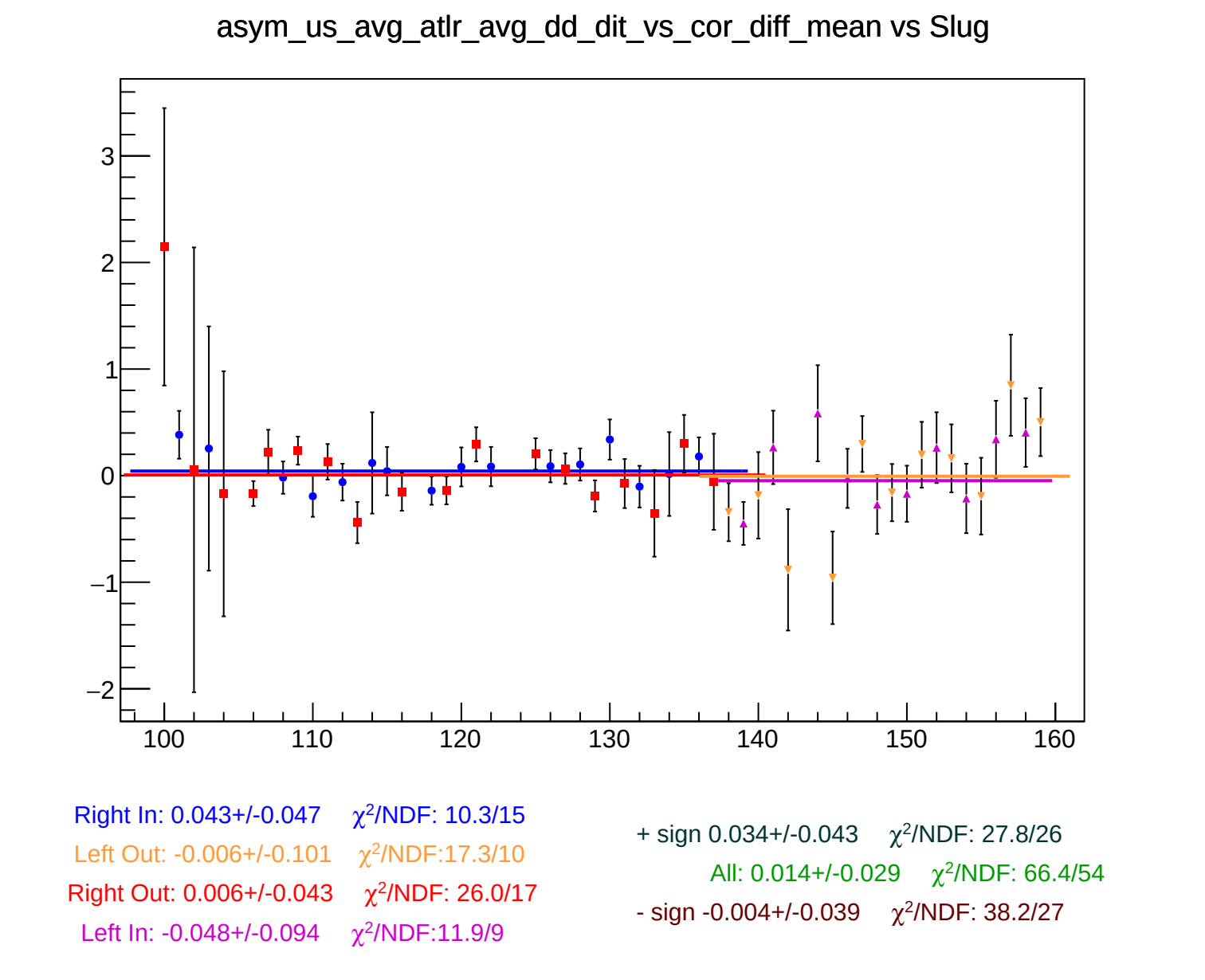
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:767805.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 5108344.2/26

All: 0.000+/-0.000 χ^2/NDF: 13019137.8/54

- sign 0.000+/-0.000 χ^2/NDF: 7138815.5/27


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
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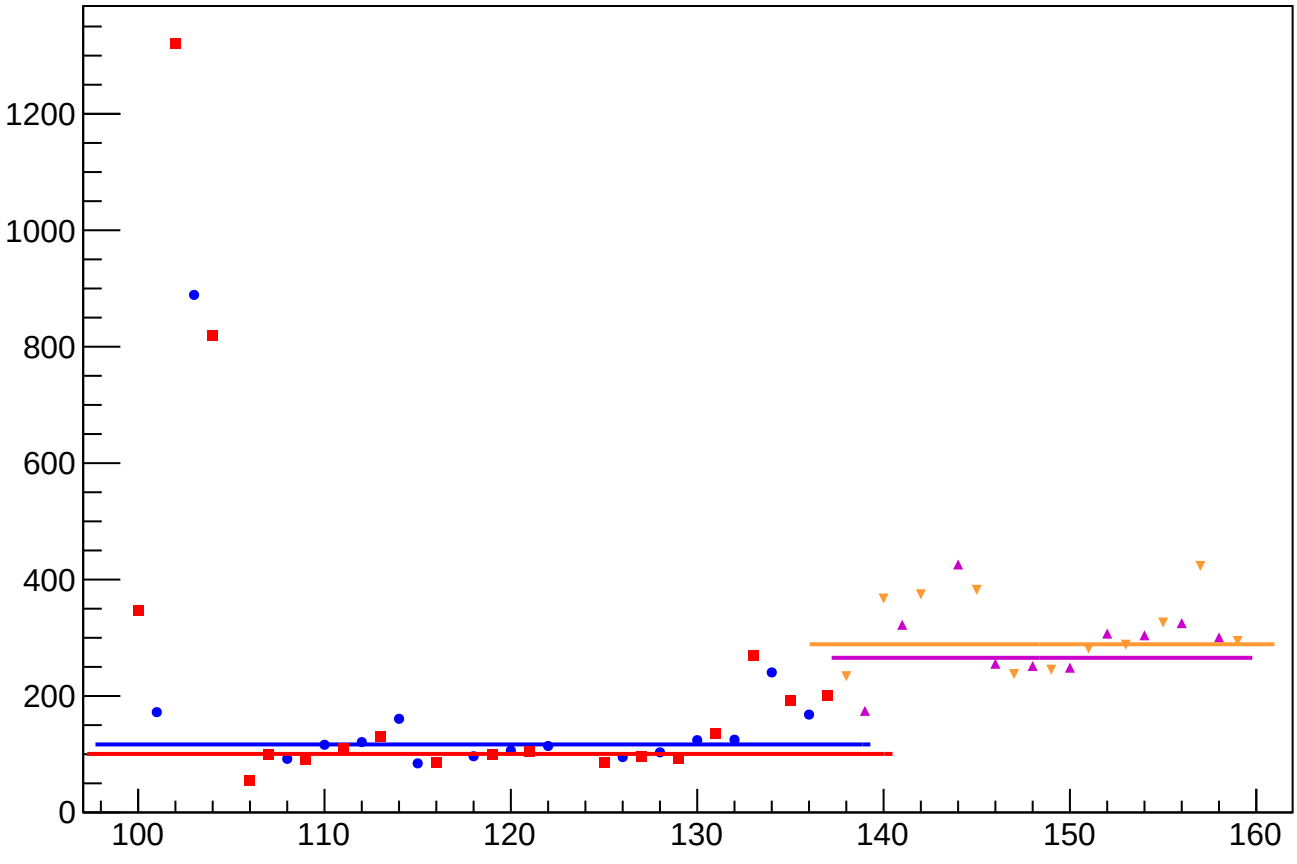
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.006+/-0.101 χ²/NDF:17.3/10
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.094 χ²/NDF:11.9/9
+ sign 0.034+/-0.043 χ²/NDF: 27.8/26
All: 0.014+/-0.029 χ²/NDF: 66.4/54
- sign -0.004+/-0.039 χ²/NDF: 38.2/27



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

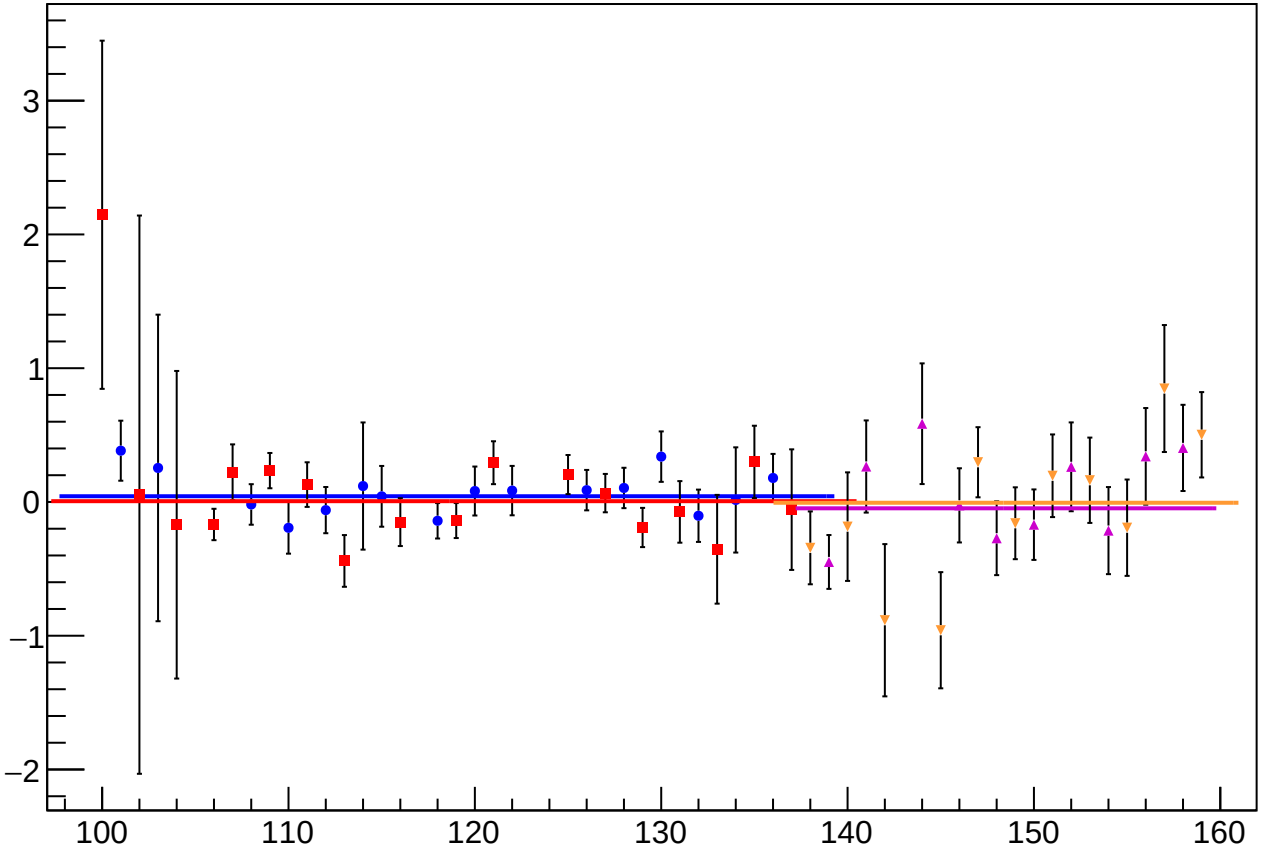
Left In: 265.616+/-0.066 χ^2/NDF:870570.8/9

+ sign 148.121+/-0.030 χ^2/NDF: 7005008.1/26

All: 138.155+/-0.021 χ^2/NDF: 15867586.6/54

- sign 129.784+/-0.028 χ^2/NDF: 8664313.7/27

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.006+/-0.101 χ^2/NDF:17.3/10

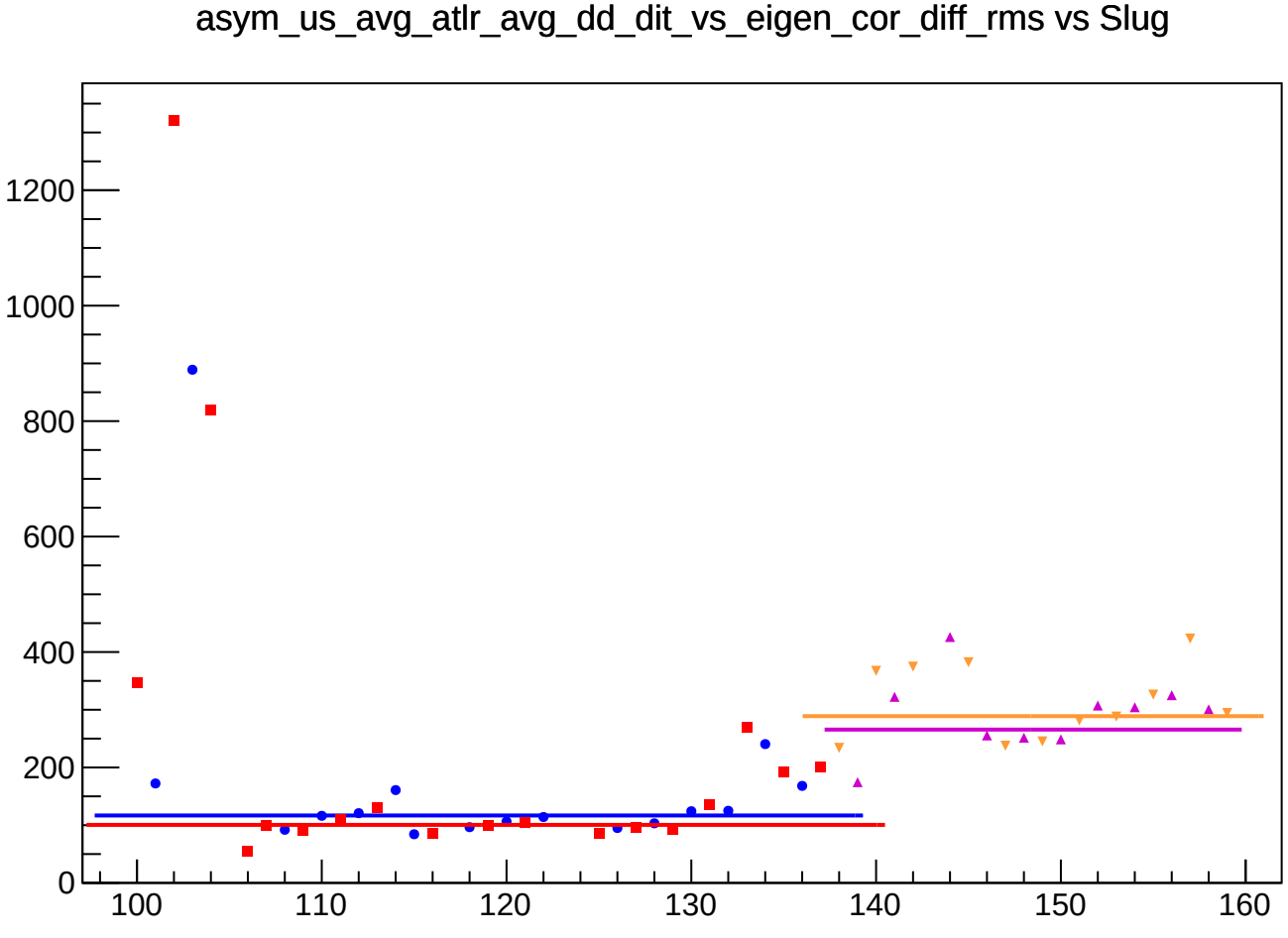
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.048+/-0.094 χ^2/NDF:11.9/9

+ sign 0.034+/-0.043 χ^2/NDF: 27.8/26

All: 0.014+/-0.029 χ^2/NDF: 66.4/54

- sign -0.004+/-0.039 χ^2/NDF: 38.2/27



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.887+/-0.071 χ^2/NDF:606942.2/10

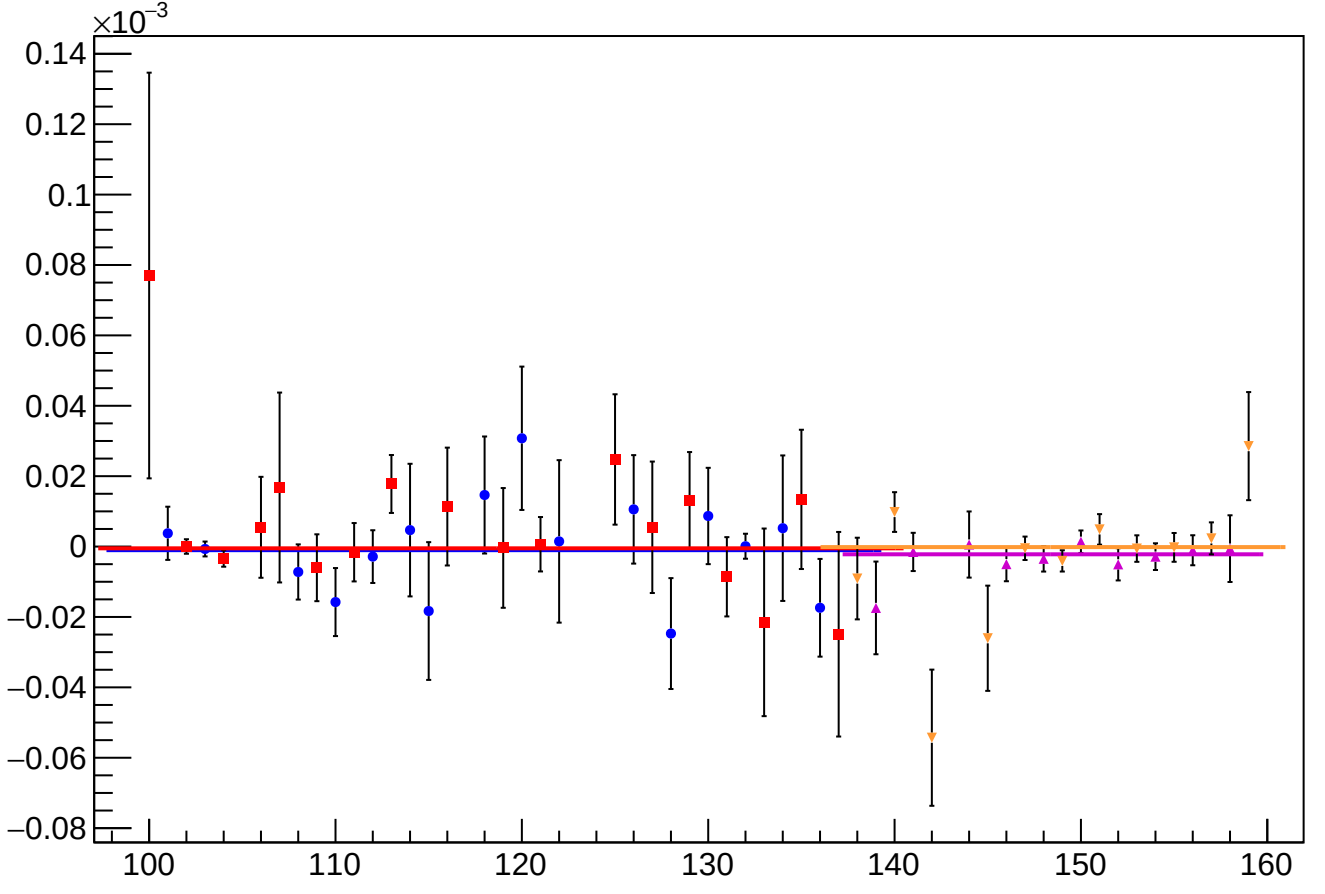
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 265.616+/-0.066 χ^2/NDF:870570.8/9

+ sign 148.121+/-0.030 χ^2/NDF: 7005008.1/26

All: 138.155+/-0.021 χ^2/NDF: 15867586.6/54

- sign 129.784+/-0.028 χ^2/NDF: 8664313.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/10

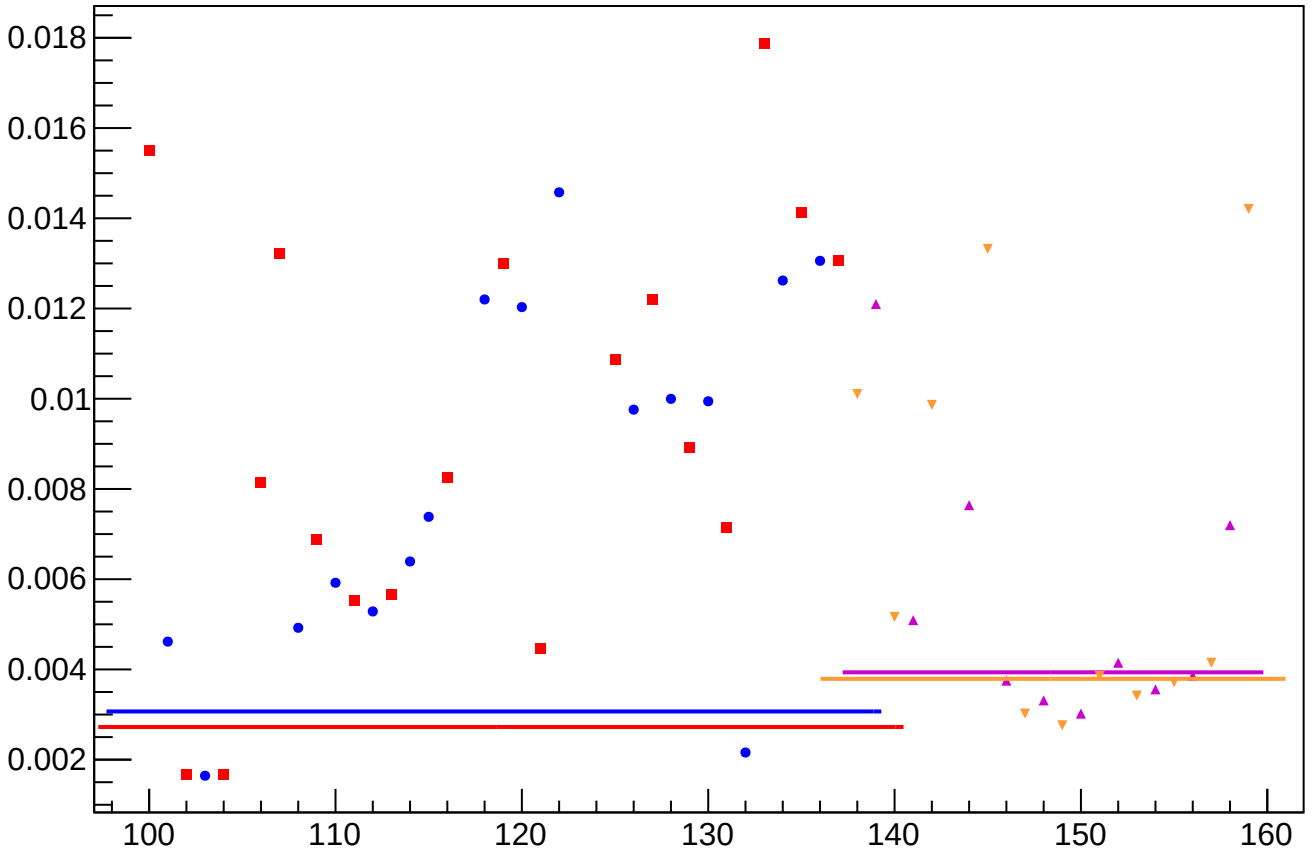
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:3.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 34.1/26

All: -0.000+/-0.000 χ^2/NDF: 53.8/54

- sign -0.000+/-0.000 χ^2/NDF: 19.4/27



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:3013142.4/10

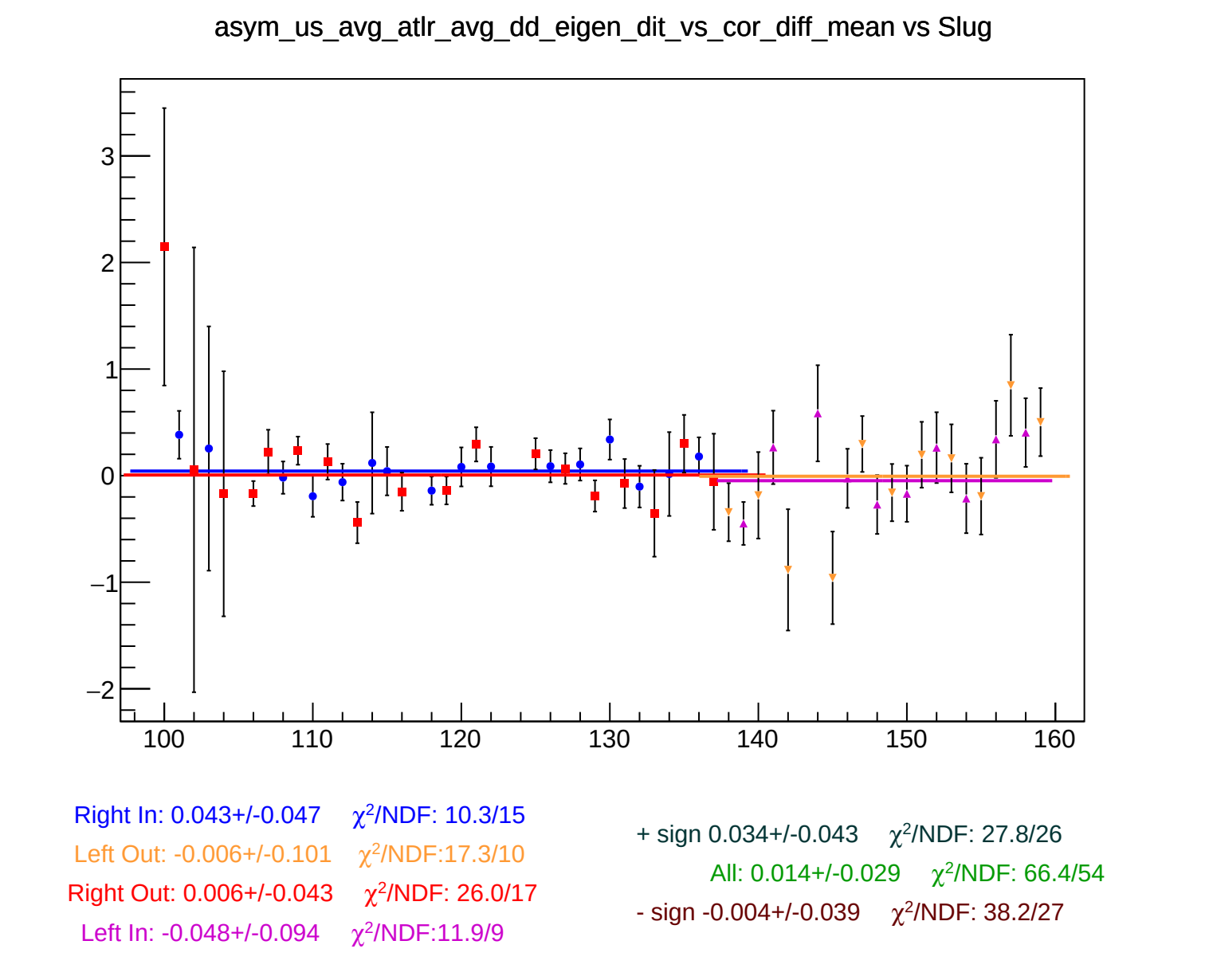
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1658117.4/9

+ sign 0.003+/-0.000 χ^2/NDF: 9206380.3/26

All: 0.003+/-0.000 χ^2/NDF: 18309631.0/54

- sign 0.003+/-0.000 χ^2/NDF: 9075660.6/27


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
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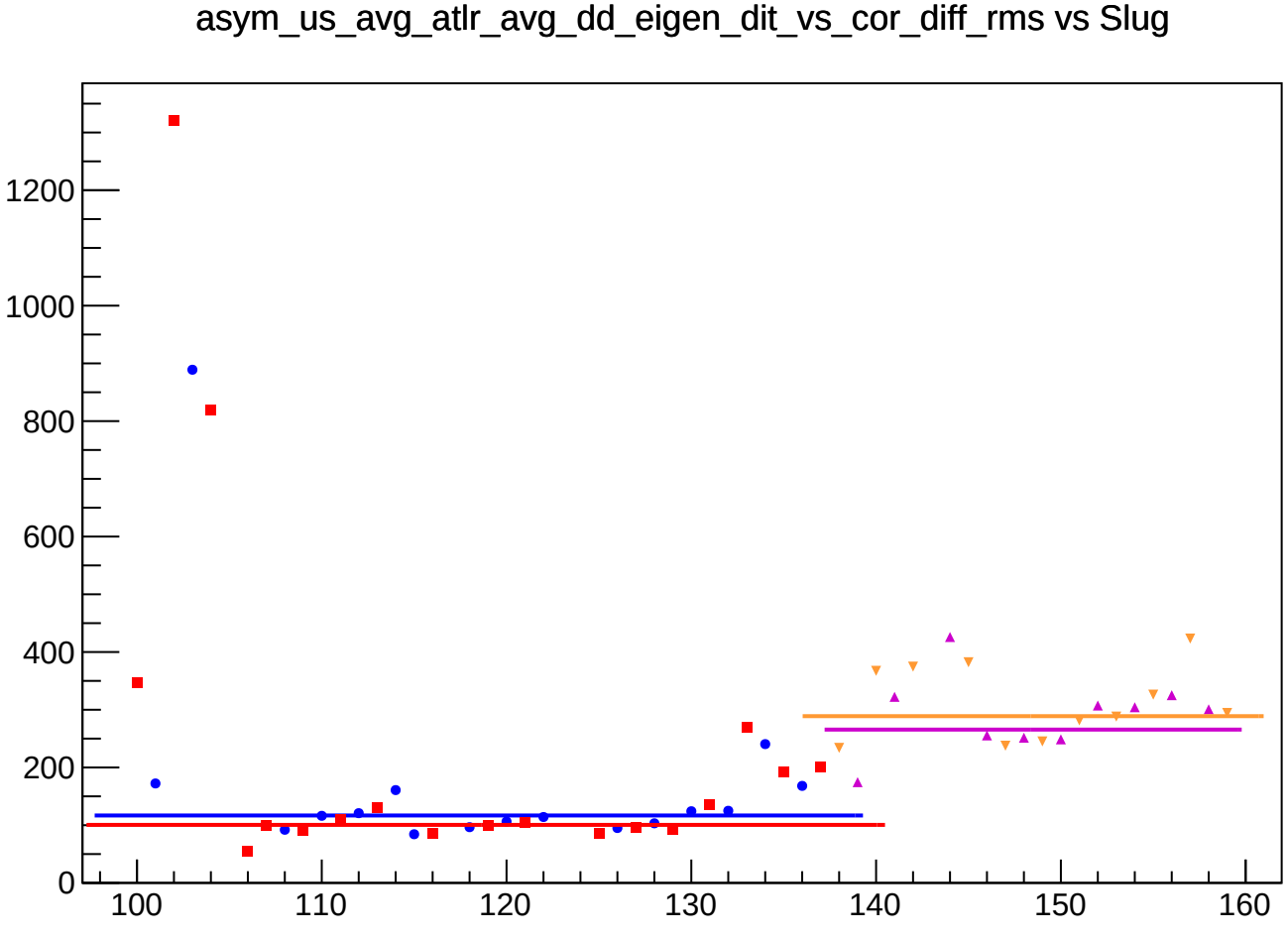
−1
−2
100
110
120
130
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.006+/-0.101 χ²/NDF:17.3/10
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.094 χ²/NDF:11.9/9
+ sign 0.034+/-0.043 χ²/NDF: 27.8/26
All: 0.014+/-0.029 χ²/NDF: 66.4/54
- sign -0.004+/-0.039 χ²/NDF: 38.2/27



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.890+/-0.071 χ^2/NDF:606943.2/10

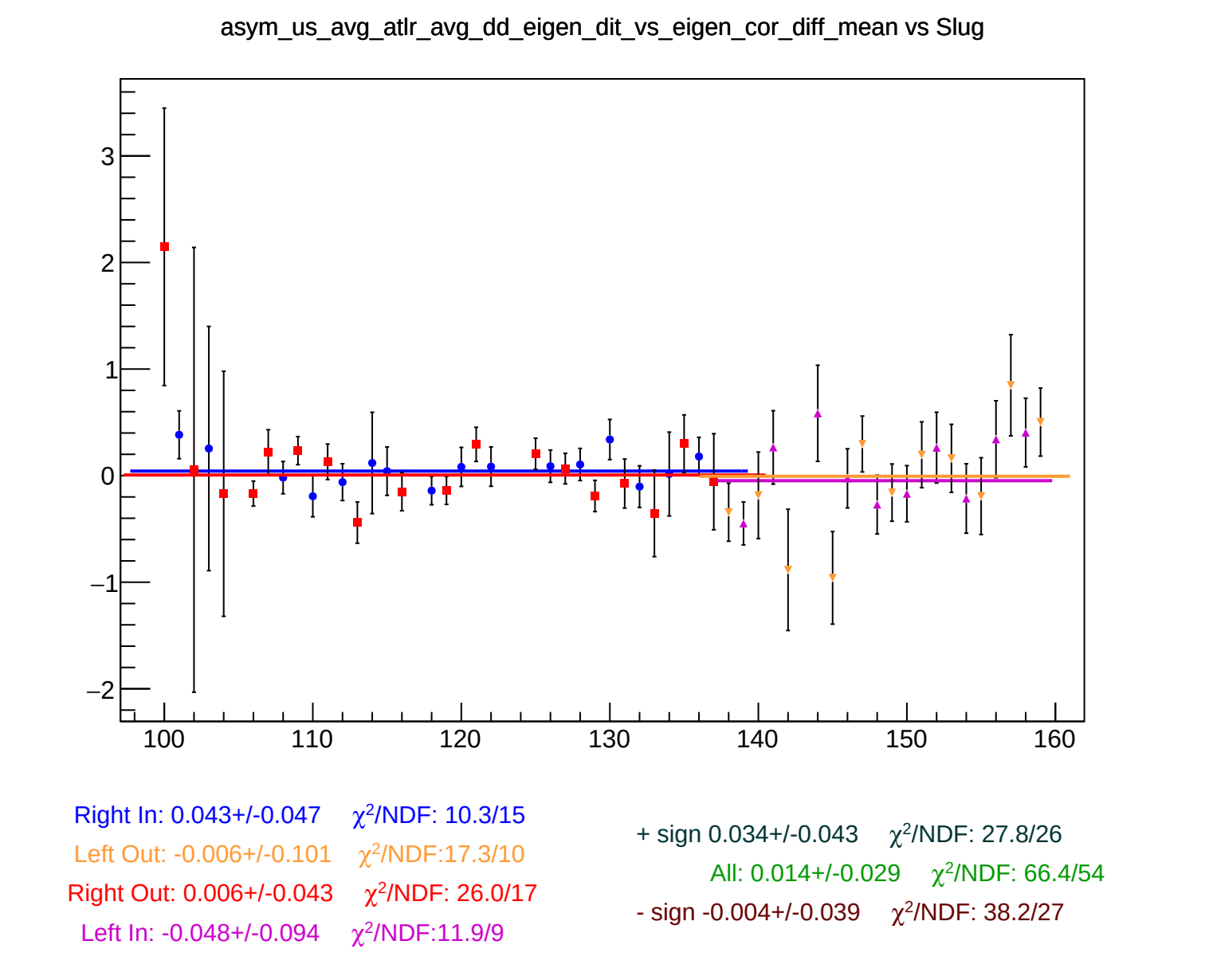
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

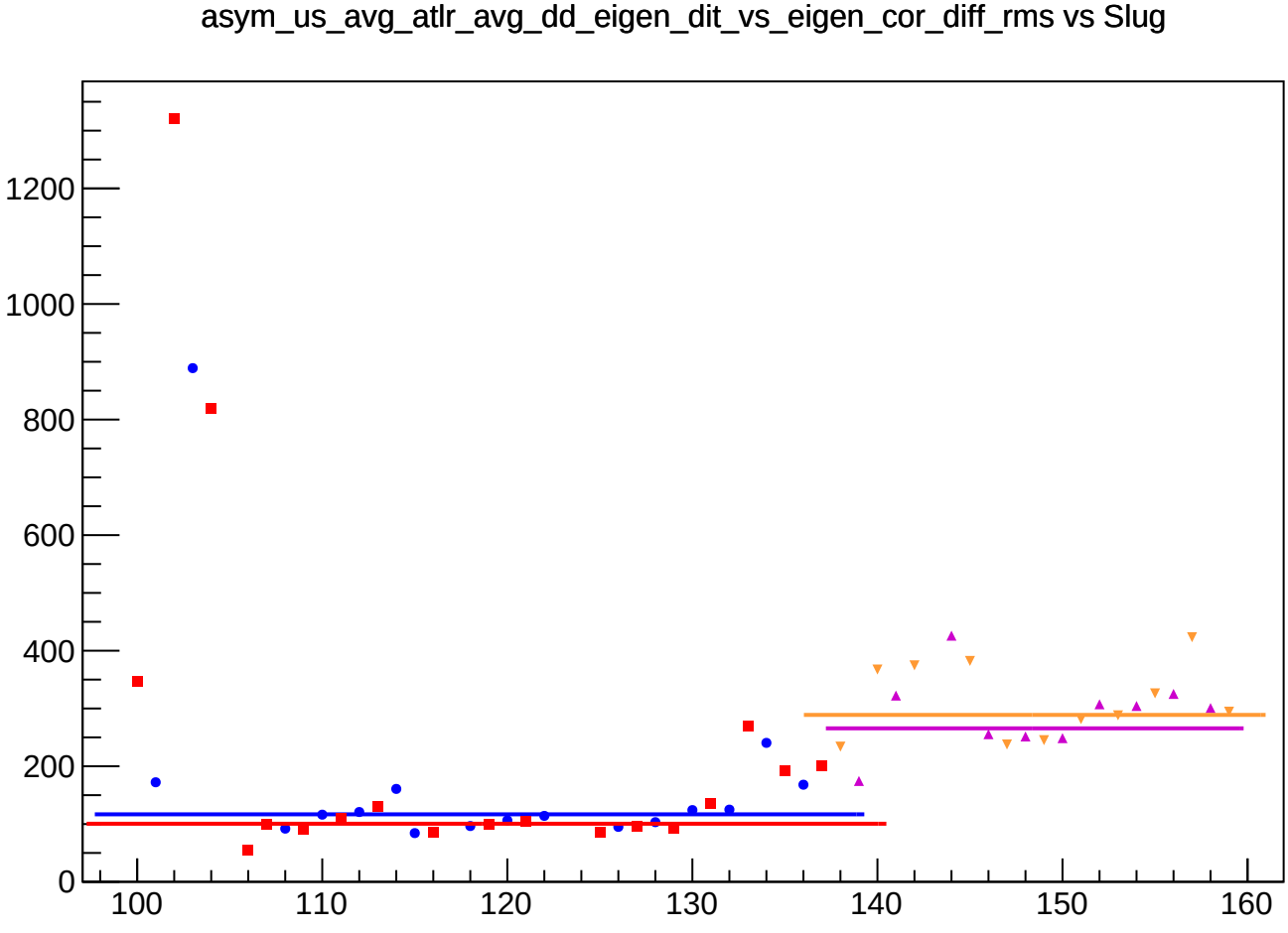
Left In: 265.620+/-0.066 χ^2/NDF:870530.6/9

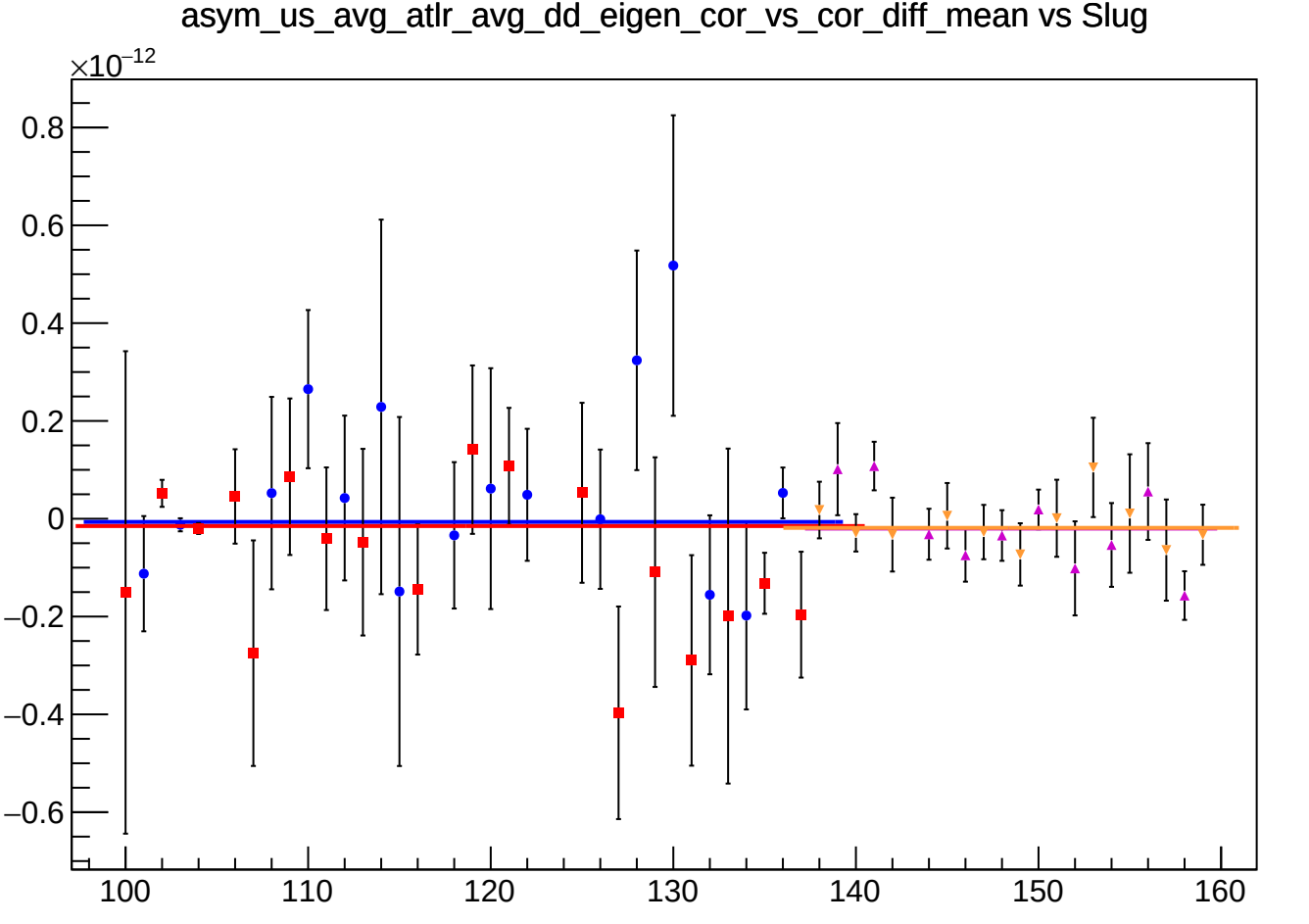
+ sign 148.121+/-0.030 χ^2/NDF: 7005094.4/26

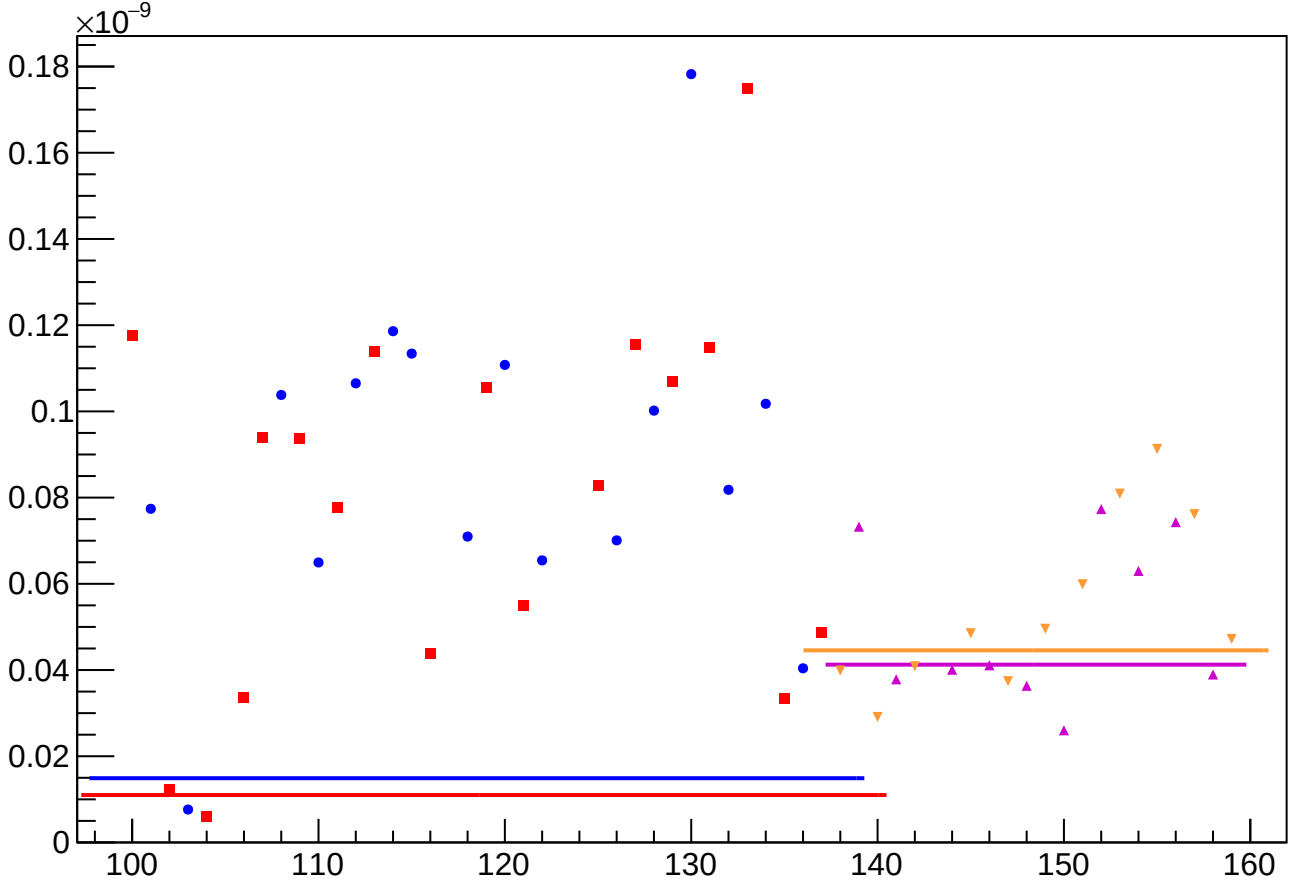
All: 138.155+/-0.021 χ^2/NDF: 15867921.5/54

- sign 129.783+/-0.028 χ^2/NDF: 8664541.6/27


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.006+/-0.101 χ²/NDF:17.3/10
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.048+/-0.094 χ²/NDF:11.9/9
+ sign 0.034+/-0.043 χ²/NDF: 27.8/26
All: 0.014+/-0.029 χ²/NDF: 66.4/54
- sign -0.004+/-0.039 χ²/NDF: 38.2/27


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 116.841+/-0.034 χ²/NDF: 1620812.6/15
Left Out: 288.890+/-0.071 χ²/NDF:606943.2/10
Right Out: 100.543+/-0.031 χ²/NDF: 2664231.9/17
Left In: 265.620+/-0.066 χ²/NDF:870530.6/9
+ sign 148.121+/-0.030 χ²/NDF: 7005094.4/26
All: 138.155+/-0.021 χ²/NDF: 15867921.5/54
- sign 129.783+/-0.028 χ²/NDF: 8664541.6/27


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.2/10
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:19.4/9
+ sign -0.000+/-0.000 χ²/NDF: 16.5/26
All: -0.000+/-0.000 χ²/NDF: 58.1/54
- sign -0.000+/-0.000 χ²/NDF: 41.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1217306.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

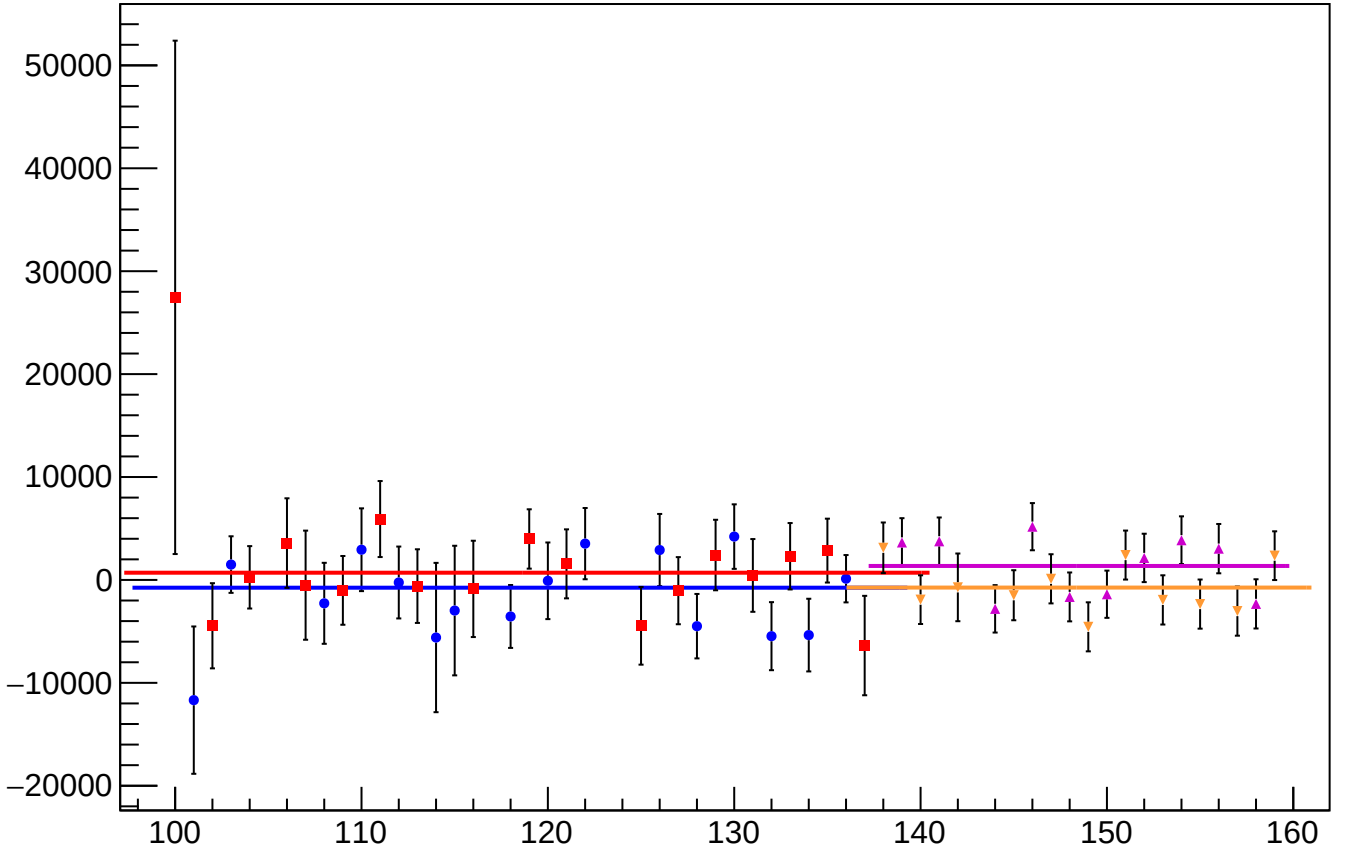
Left In: 0.000+/-0.000 χ^2/NDF:1179136.1/9

\+ sign 0.000+/-0.000 χ^2/NDF: 10399364.3/26

All: 0.000+/-0.000 χ^2/NDF: 22001132.1/54

\- sign 0.000+/-0.000 χ^2/NDF: 11246931.2/27

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

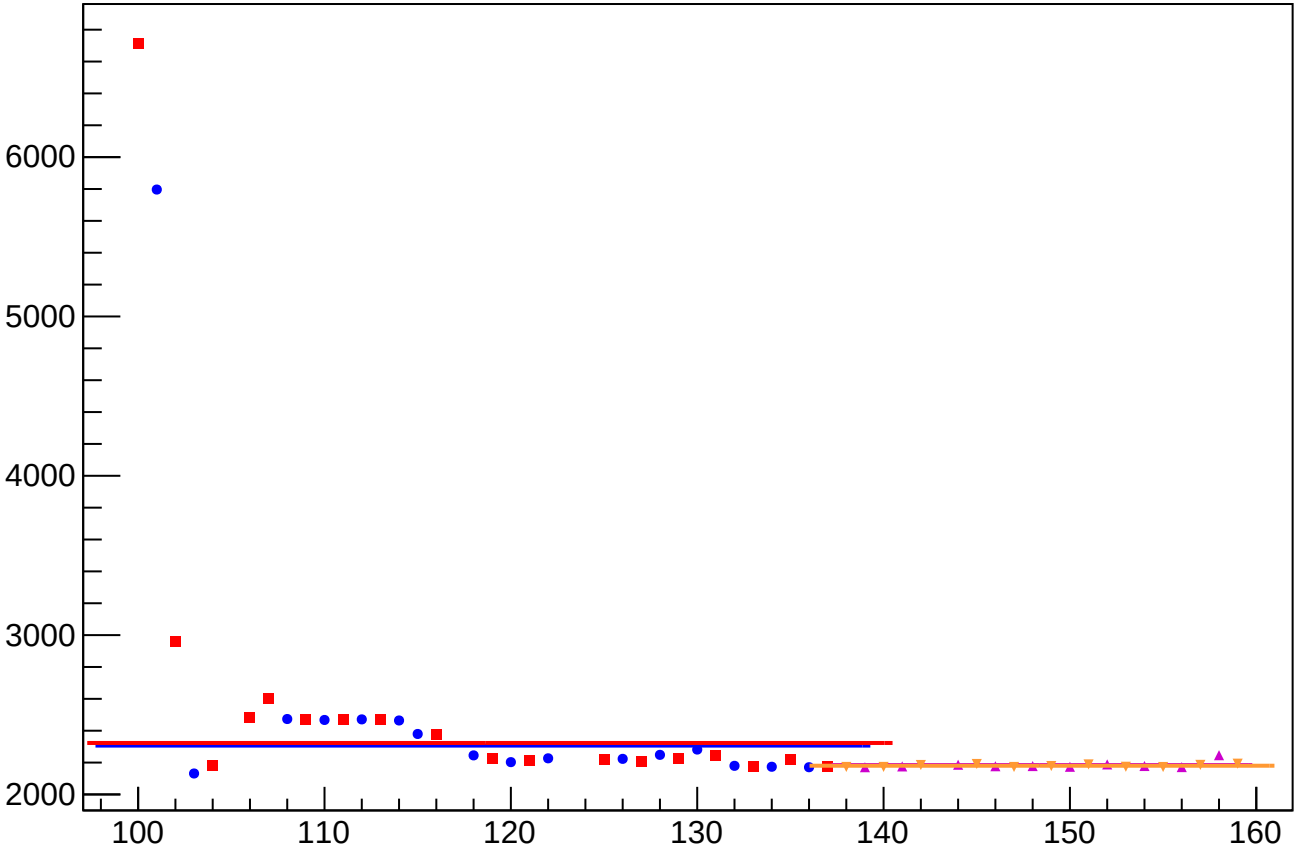
Left In: 1358.066+/-739.571 χ^2/NDF:15.2/9

+ sign -746.970+/-563.393 χ^2/NDF: 26.5/26

All: 168.181+/-398.282 χ^2/NDF: 59.7/54

- sign 1082.435+/-563.117 χ^2/NDF: 27.9/27

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

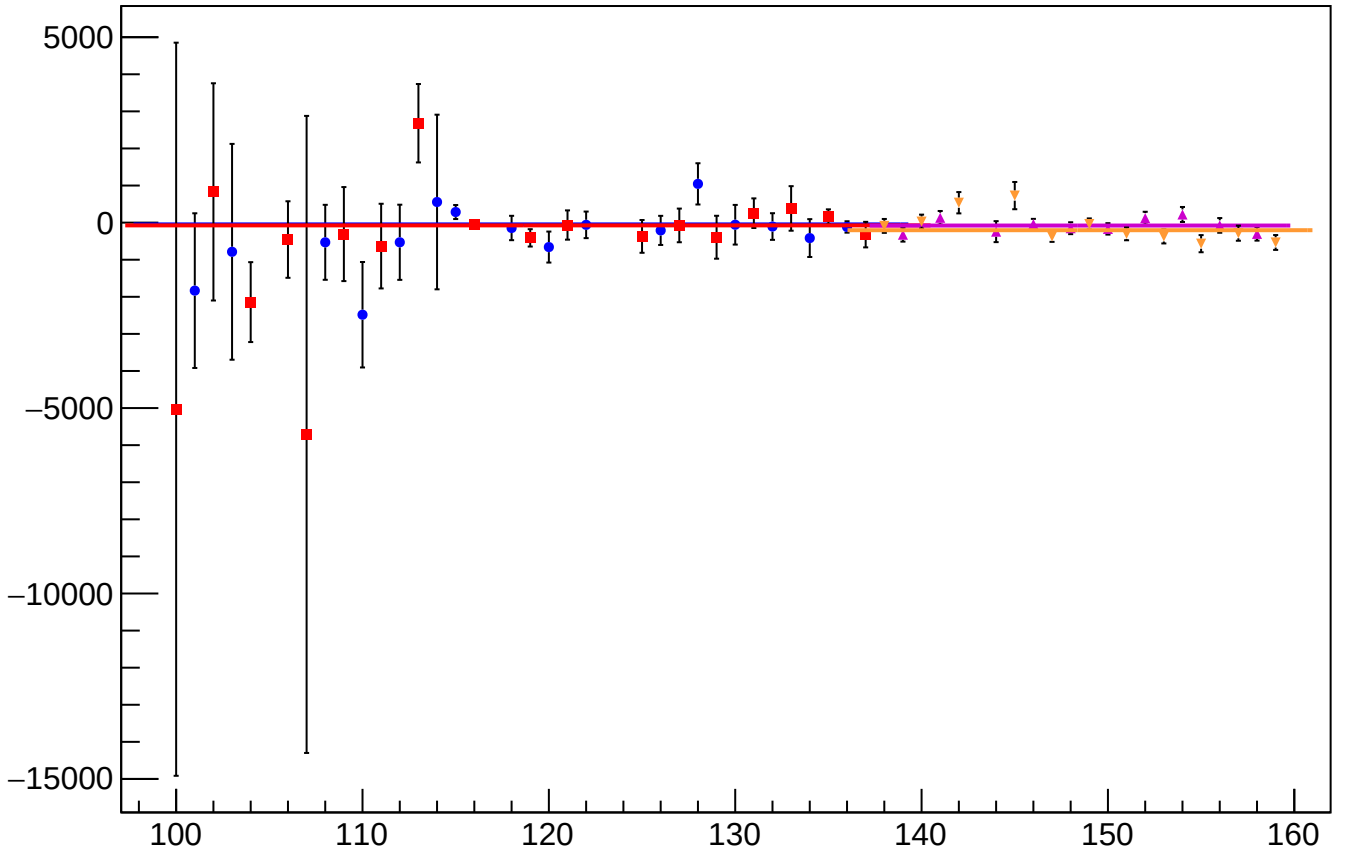
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

+ sign 2232.926+/-0.398 χ^2/NDF: 538859.6/26

All: 2237.817+/-0.282 χ^2/NDF: 722021.6/54

- sign 2242.704+/-0.398 χ^2/NDF: 182860.7/27



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

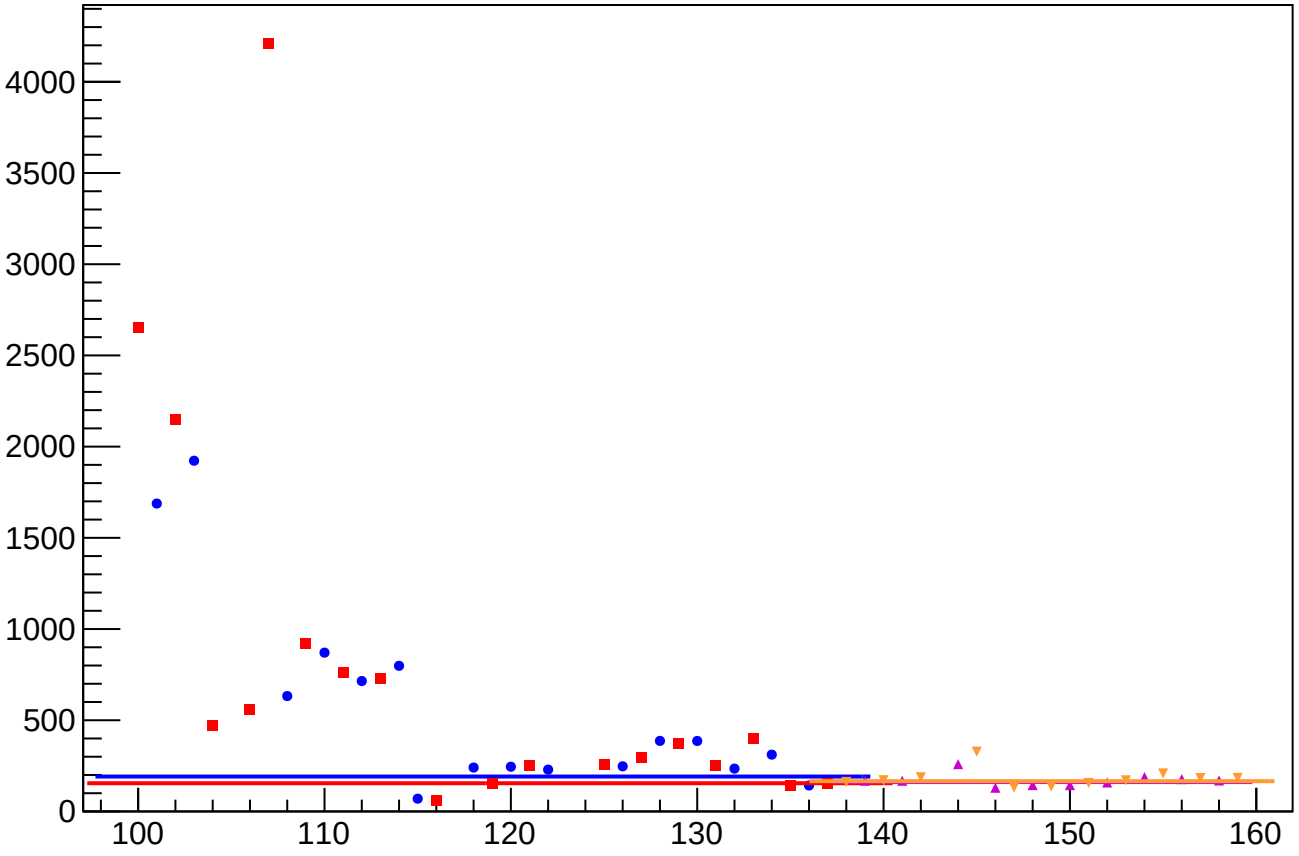
Left In: -78.583+/-56.137 χ^2/NDF:9.1/9

+ sign -158.829+/-48.972 χ^2/NDF: 40.5/26

All: -115.803+/-33.679 χ^2/NDF: 68.6/54

- sign -77.193+/-46.391 χ^2/NDF: 26.7/27

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

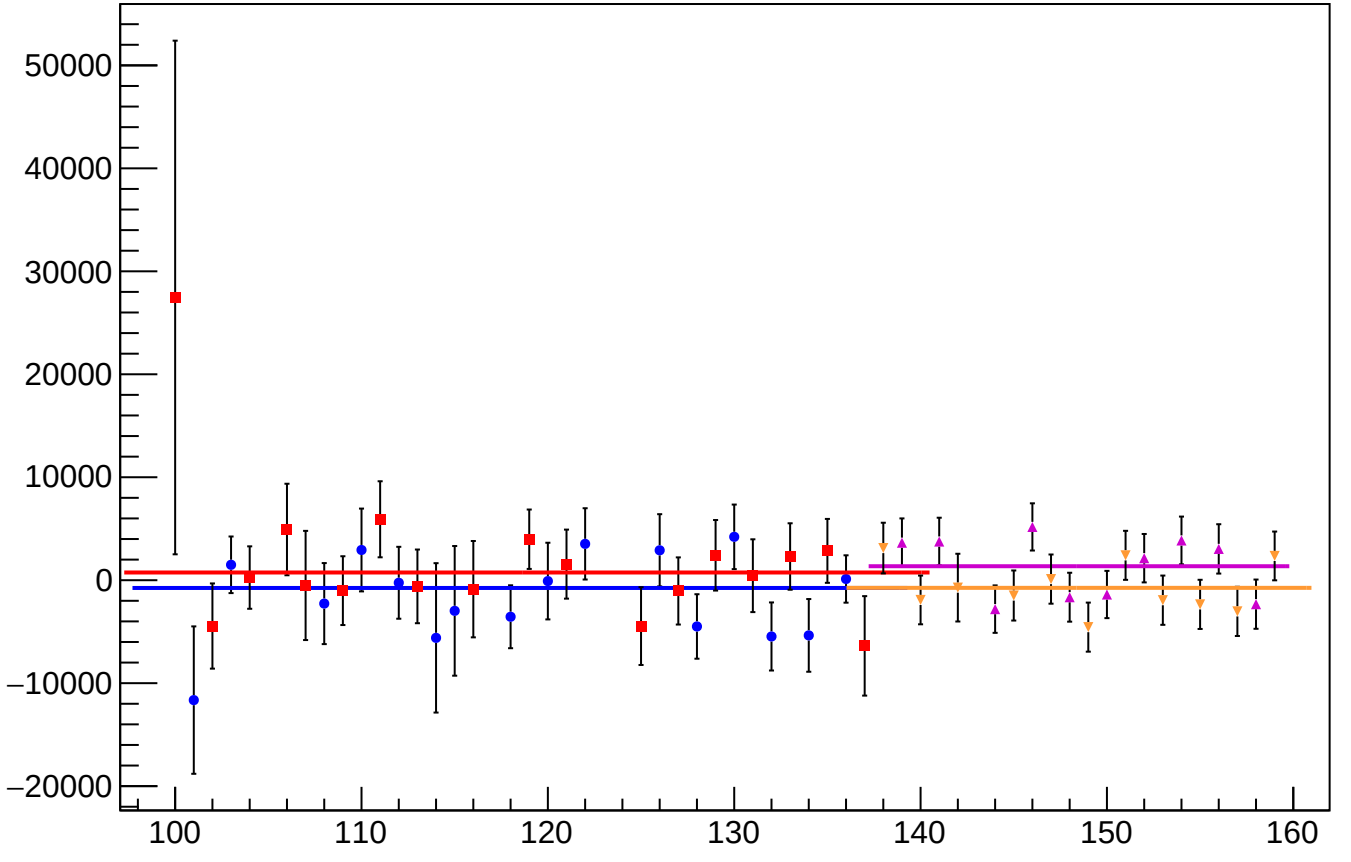
Left In: 161.146+/-0.040 χ^2/NDF:445457.3/9

+ sign 173.335+/-0.035 χ^2/NDF: 5874345.3/26

All: 165.830+/-0.024 χ^2/NDF: 12571646.2/54

- sign 159.094+/-0.033 χ^2/NDF: 6608164.3/27

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

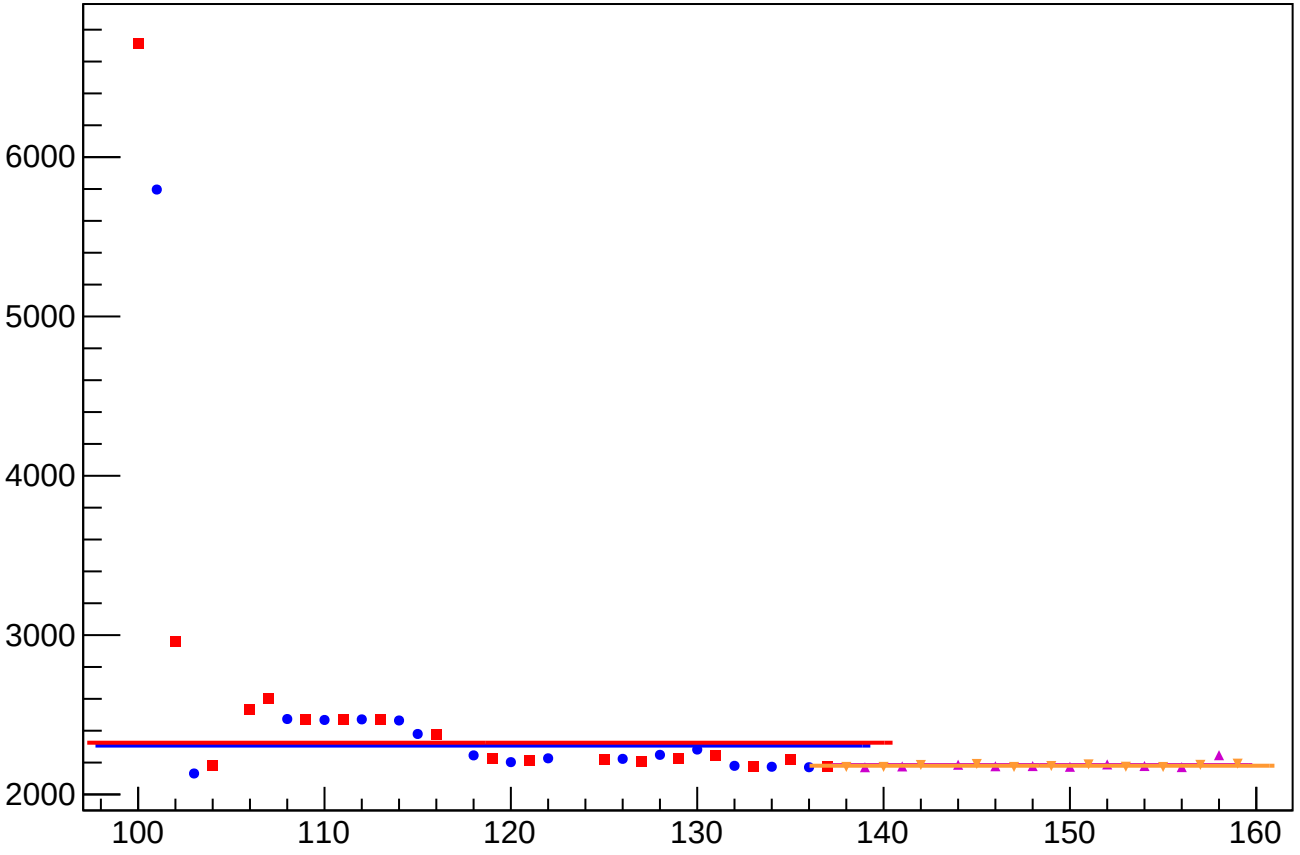
Left In: 1357.966+/-739.571 χ^2/NDF:15.2/9

+ sign -746.563+/-563.393 χ^2/NDF: 26.5/26

All: 178.062+/-398.351 χ^2/NDF: 60.2/54

- sign 1102.424+/-563.313 χ^2/NDF: 28.3/27

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

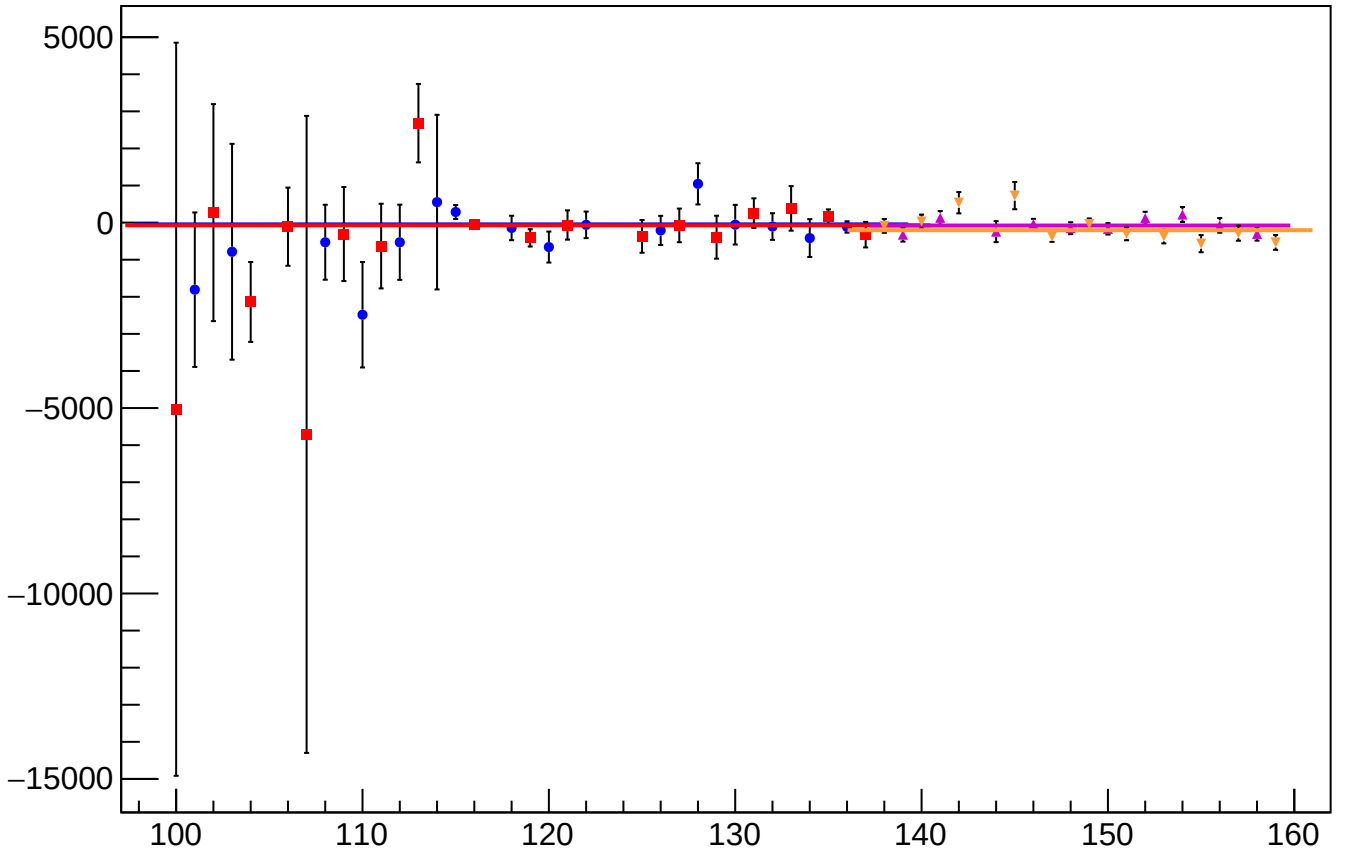
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

+ sign 2232.926+/-0.398 χ^2/NDF: 538859.9/26

All: 2238.139+/-0.282 χ^2/NDF: 724542.5/54

- sign 2243.351+/-0.398 χ^2/NDF: 185340.2/27



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -204.066+/-58.128 χ^2/NDF:24.0/10

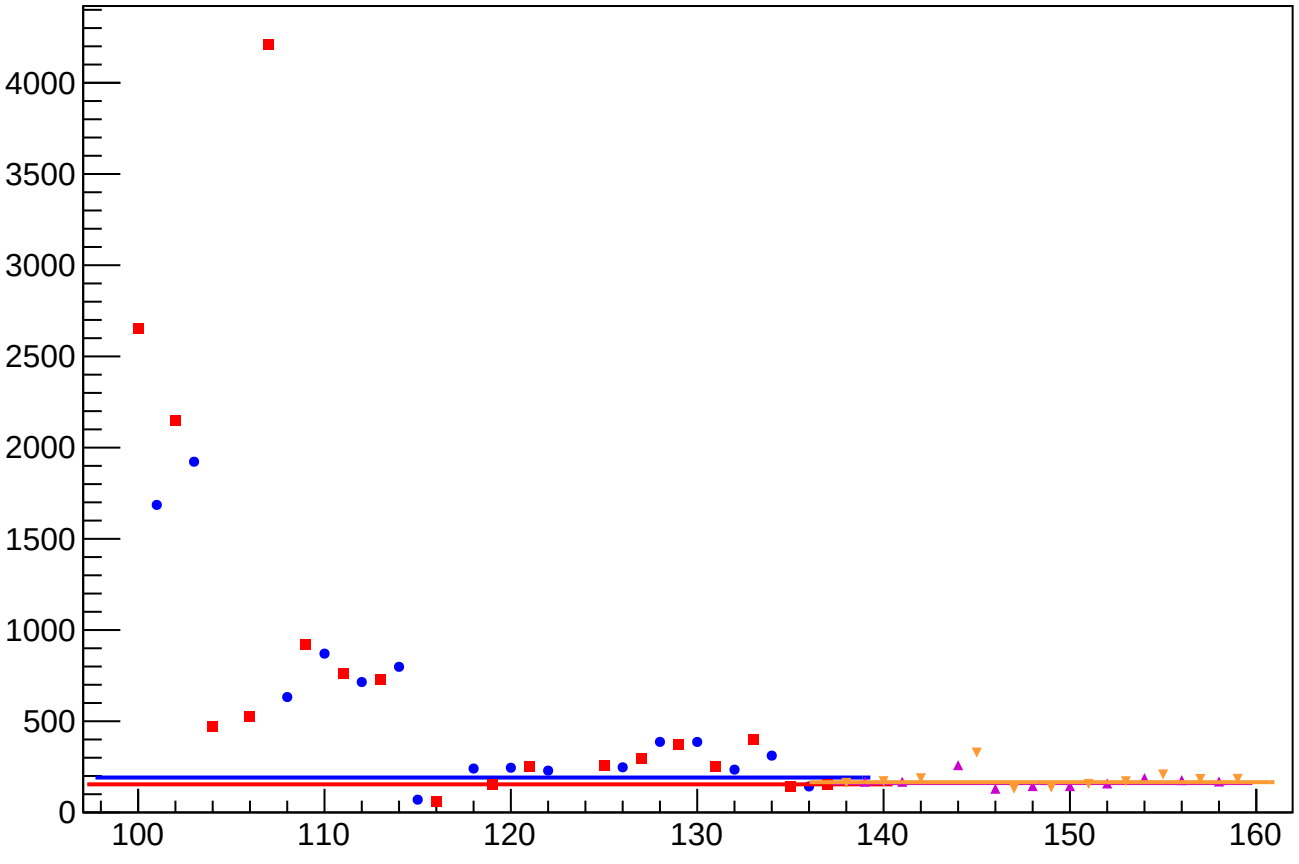
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -78.644+/-56.142 χ^2/NDF:9.0/9

+ sign -158.772+/-48.974 χ^2/NDF: 40.4/26

All: -115.453+/-33.676 χ^2/NDF: 68.3/54

- sign -76.597+/-46.382 χ^2/NDF: 26.5/27



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 165.963+/-0.041 χ^2/NDF:698686.9/10

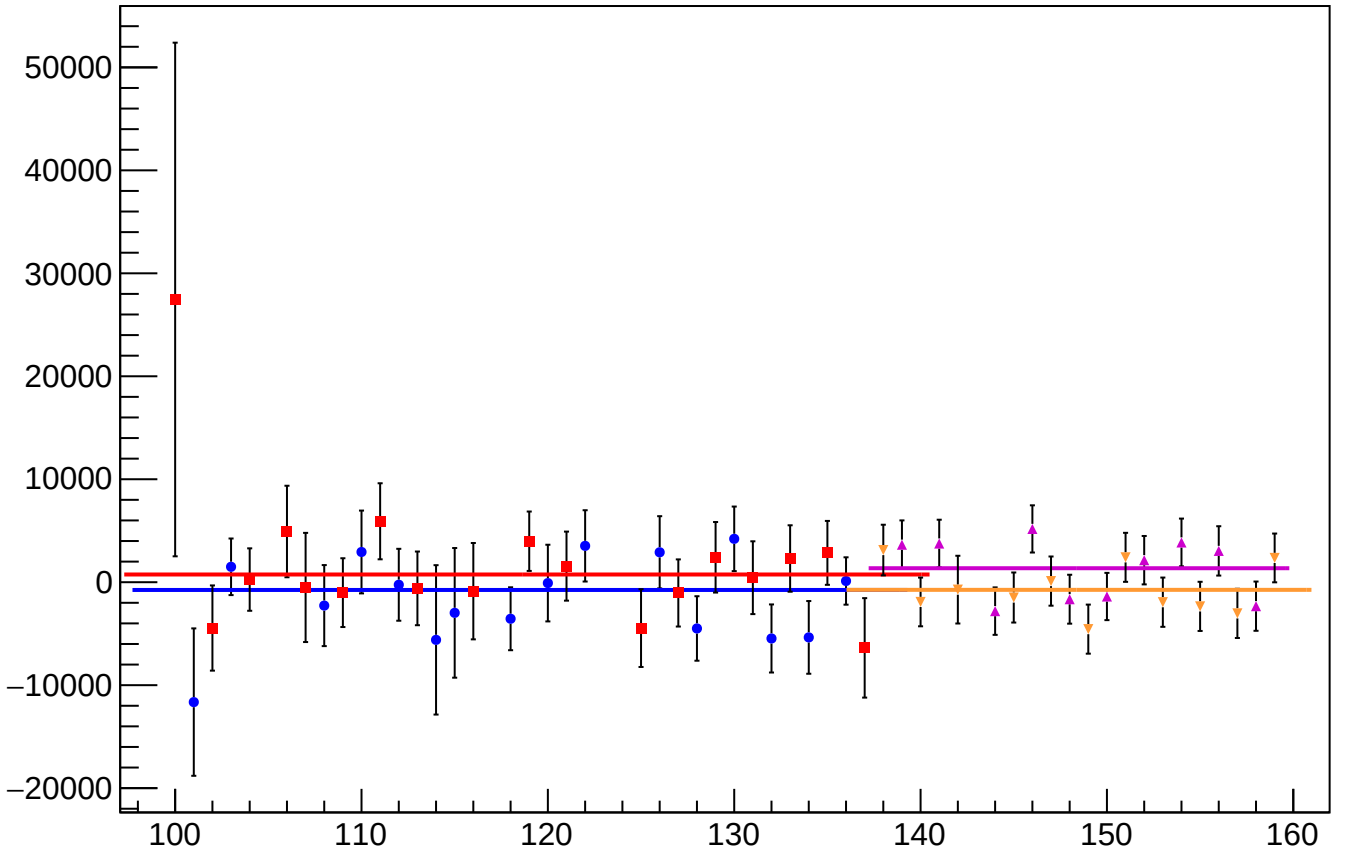
Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.160+/-0.040 χ^2/NDF:445435.1/9

+ sign 173.345+/-0.035 χ^2/NDF: 5873457.2/26

All: 165.744+/-0.024 χ^2/NDF: 12528934.1/54

- sign 158.926+/-0.033 χ^2/NDF: 6564081.6/27



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

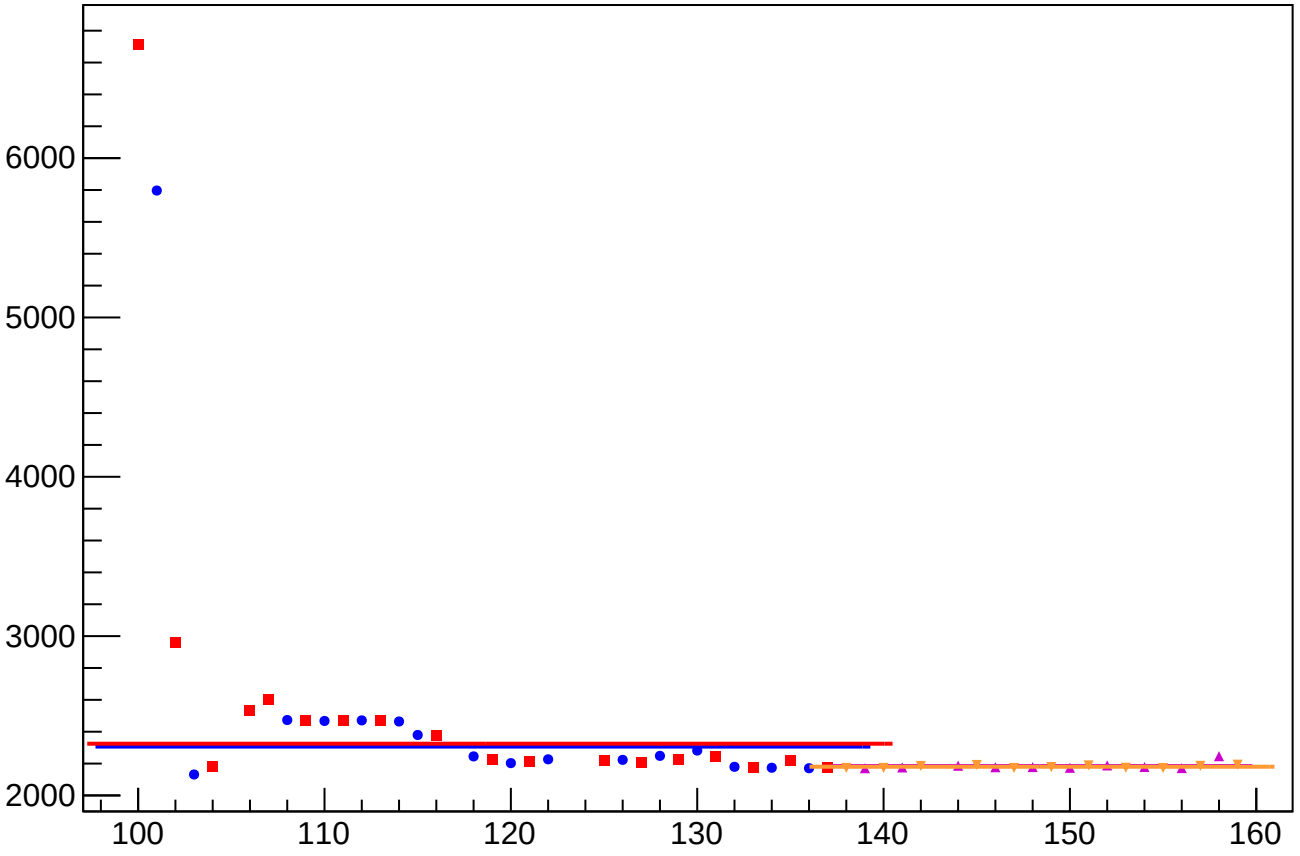
Left In: 1357.966+/-739.571 χ^2/NDF:15.2/9

+ sign -746.563+/-563.393 χ^2/NDF: 26.5/26

All: 178.062+/-398.351 χ^2/NDF: 60.2/54

- sign 1102.424+/-563.313 χ^2/NDF: 28.3/27

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

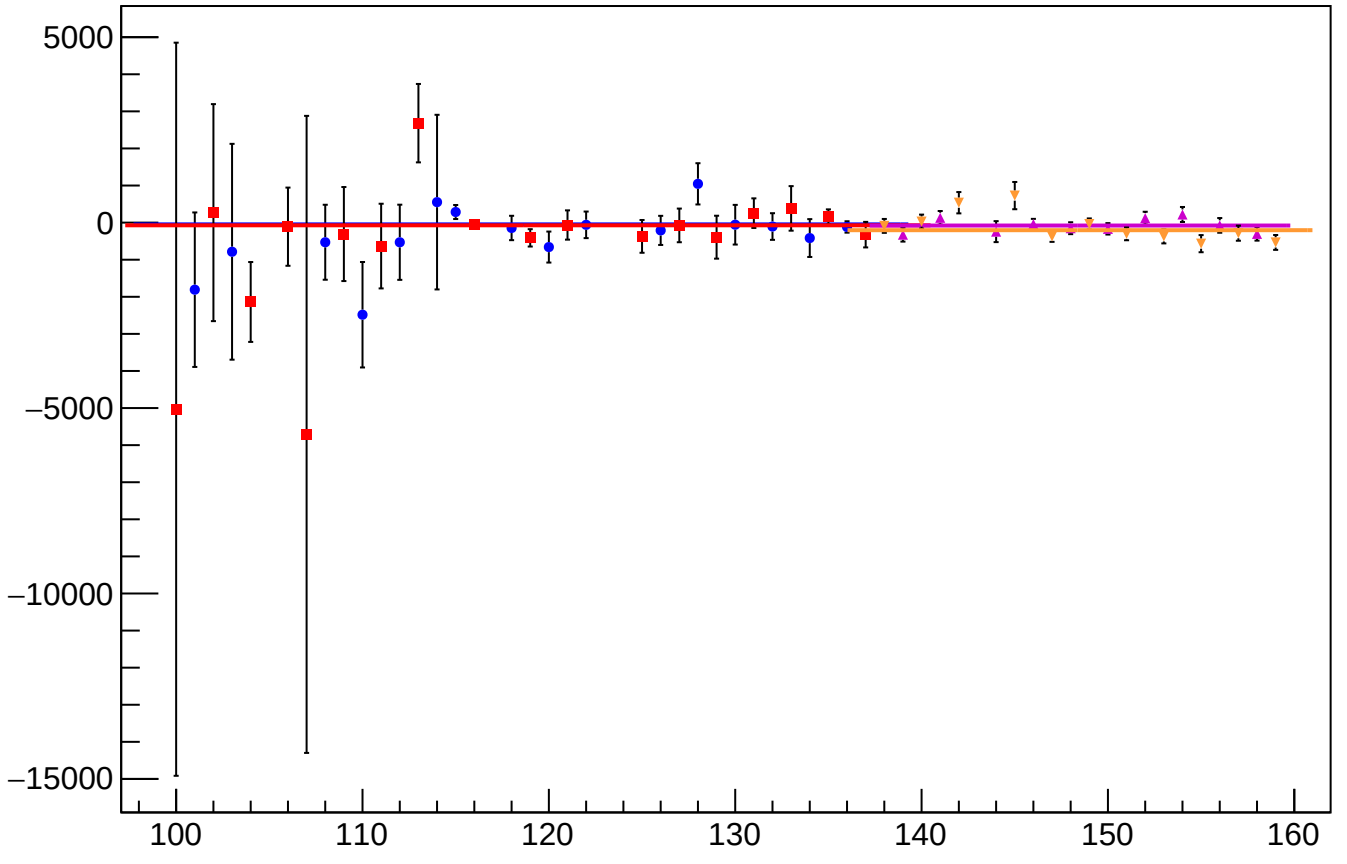
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2184.490+/-0.523 χ^2/NDF:1588.0/9

+ sign 2232.926+/-0.398 χ^2/NDF: 538859.9/26

All: 2238.139+/-0.282 χ^2/NDF: 724542.5/54

- sign 2243.351+/-0.398 χ^2/NDF: 185340.2/27



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -204.066+/-58.128 χ^2/NDF:24.0/10

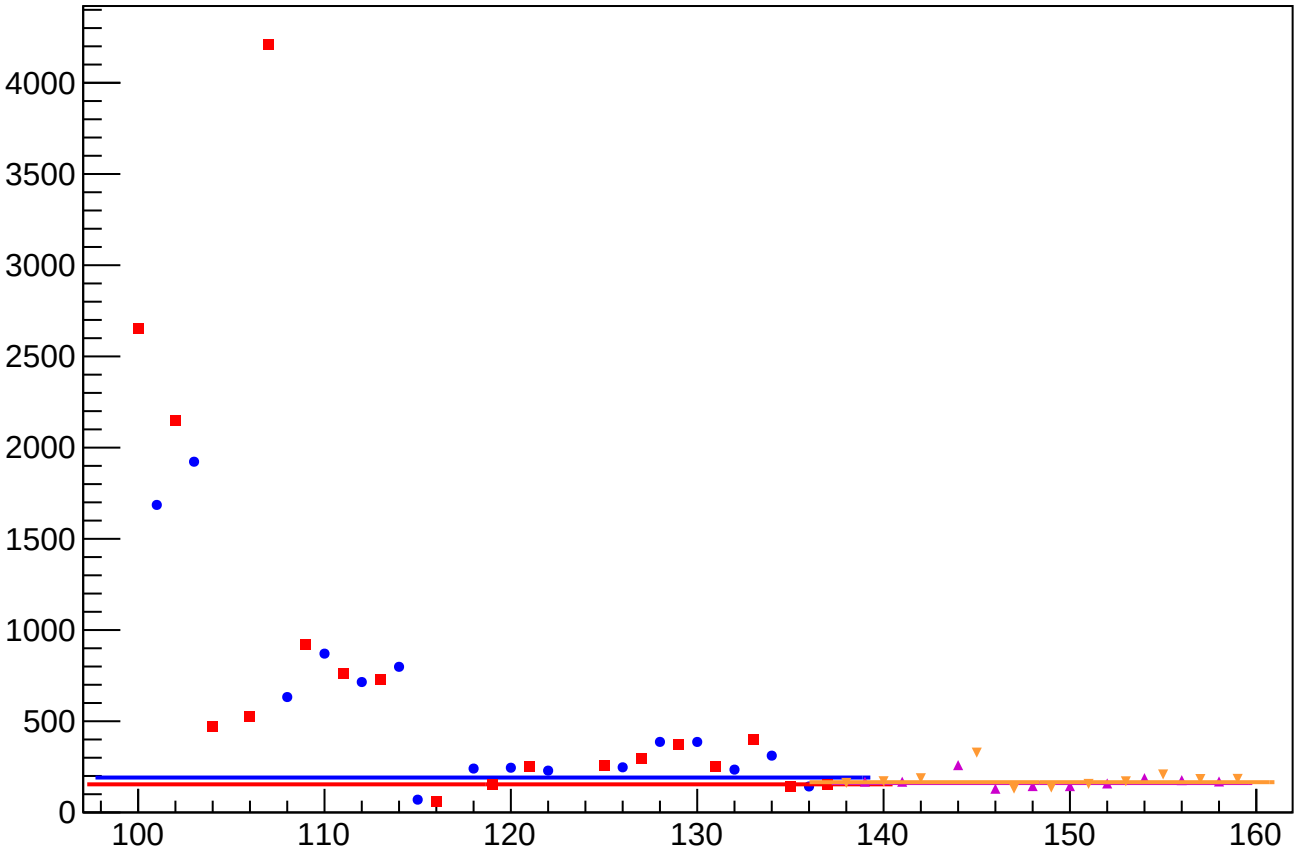
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -78.644+/-56.142 χ^2/NDF:9.0/9

+ sign -158.772+/-48.974 χ^2/NDF: 40.4/26

All: -115.453+/-33.676 χ^2/NDF: 68.3/54

- sign -76.597+/-46.382 χ^2/NDF: 26.5/27



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

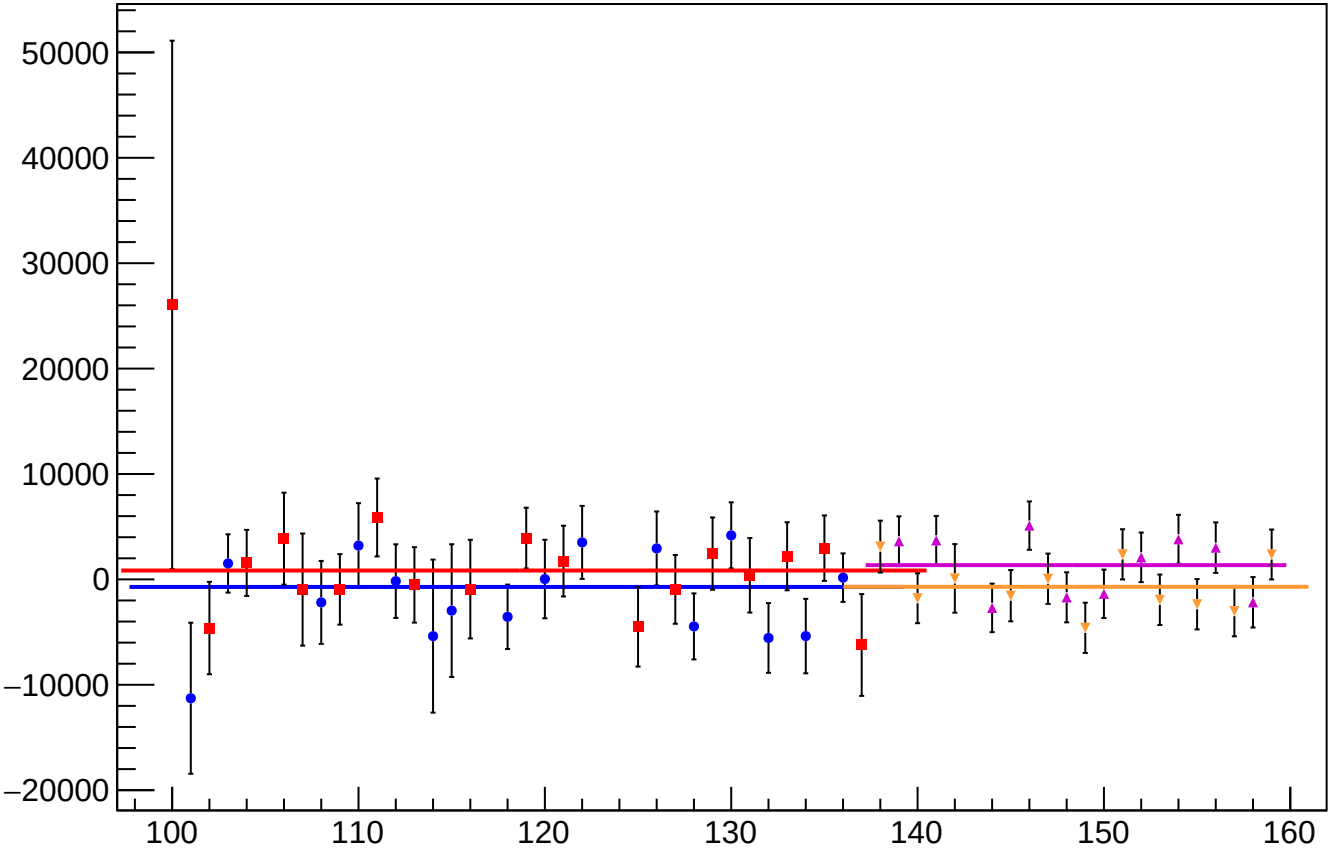
Left In: 161.160+/-0.040 χ^2/NDF:445435.1/9

+ sign 173.345+/-0.035 χ^2/NDF: 5873457.2/26

All: 165.744+/-0.024 χ^2/NDF: 12528934.1/54

- sign 158.926+/-0.033 χ^2/NDF: 6564081.6/27

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

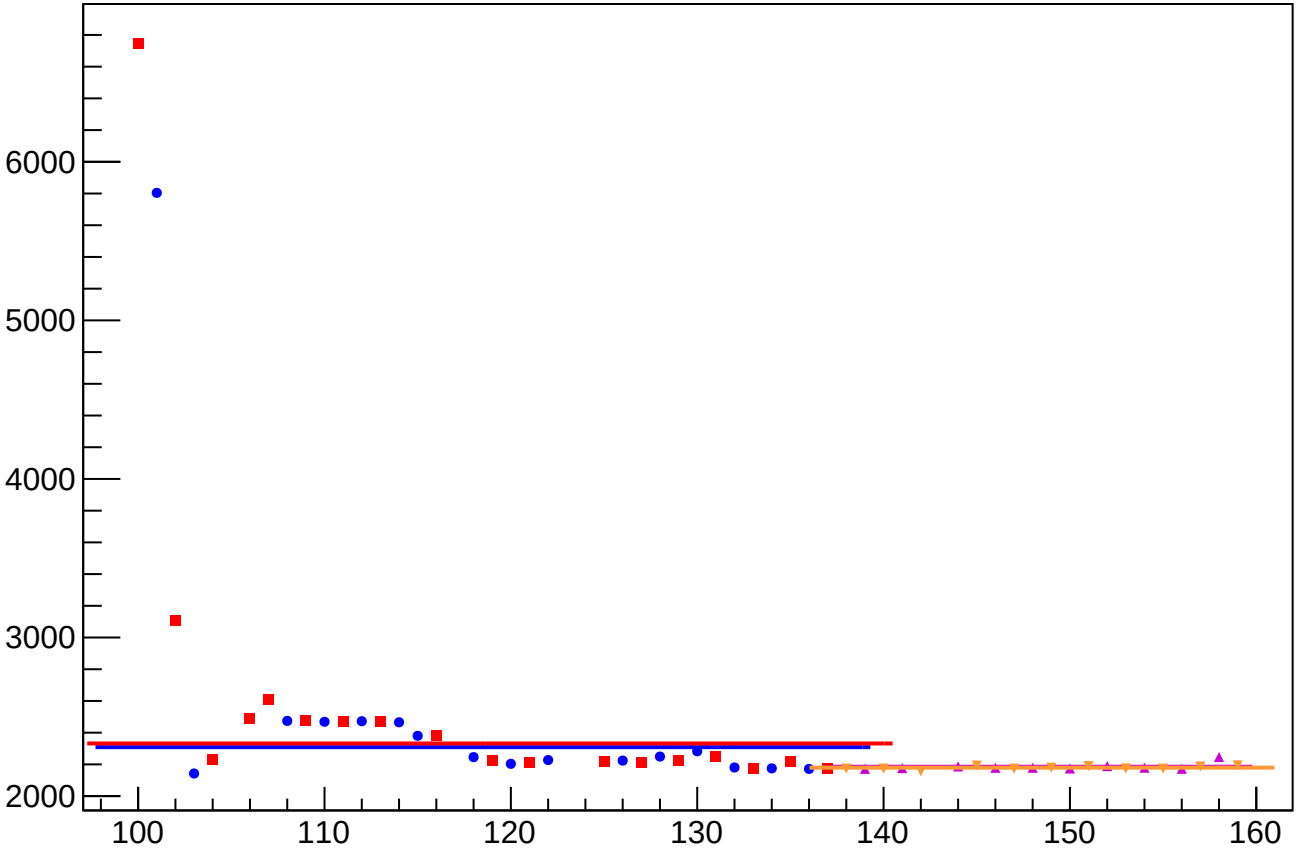
Left In: 1351.753+/-739.828 χ^2/NDF:14.6/9

+ sign -709.992+/-563.562 χ^2/NDF: 26.4/26

All: 212.809+/-398.855 χ^2/NDF: 58.8/54

- sign 1138.914+/-564.571 χ^2/NDF: 27.0/27

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

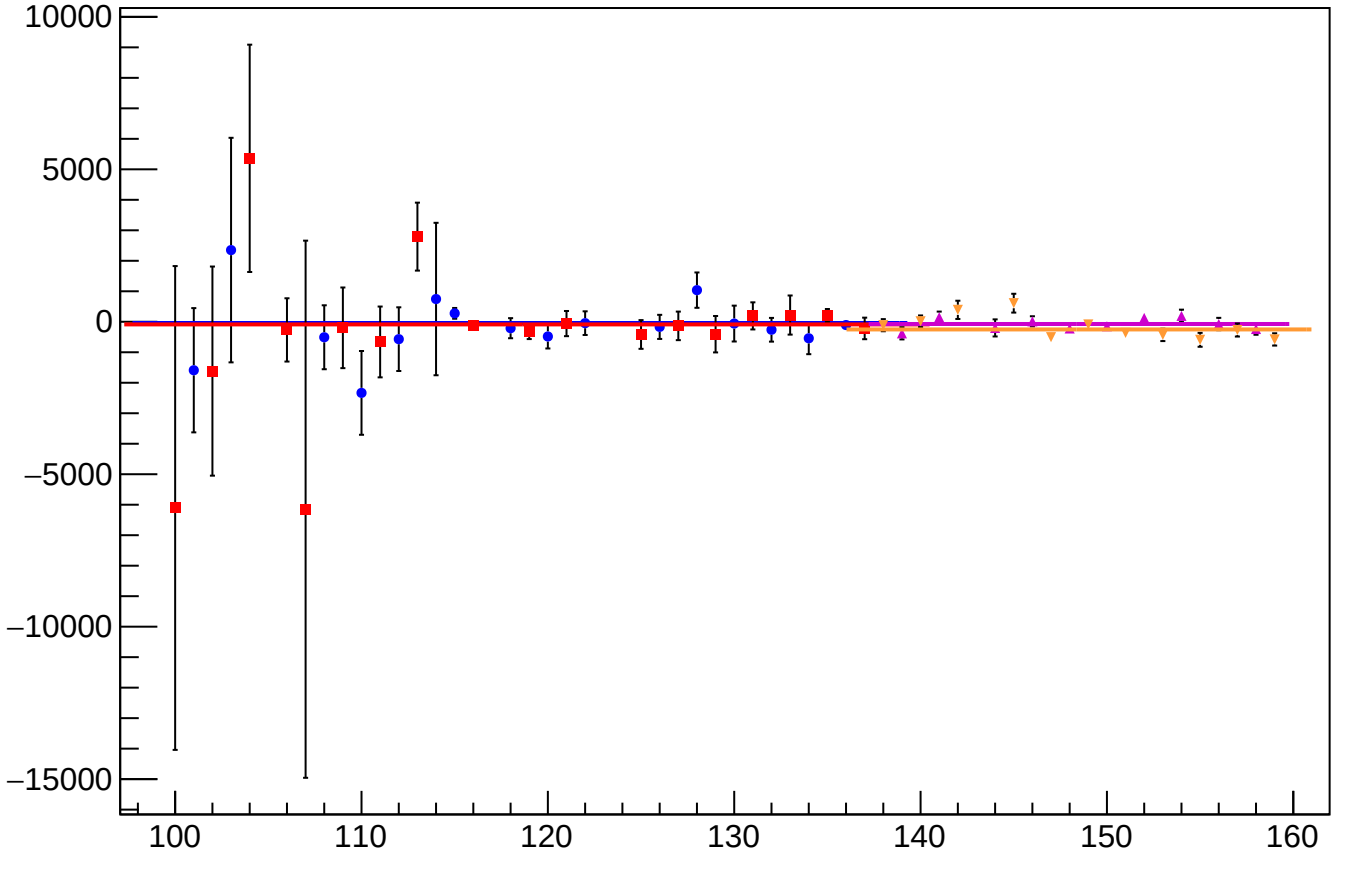
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2185.250+/-0.523 χ^2/NDF:1581.6/9

+ sign 2233.282+/-0.398 χ^2/NDF: 539647.1/26

All: 2239.869+/-0.282 χ^2/NDF: 741896.6/54

- sign 2246.479+/-0.399 χ^2/NDF: 201702.1/27



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -251.429+/-58.959 χ^2/NDF:24.9/10

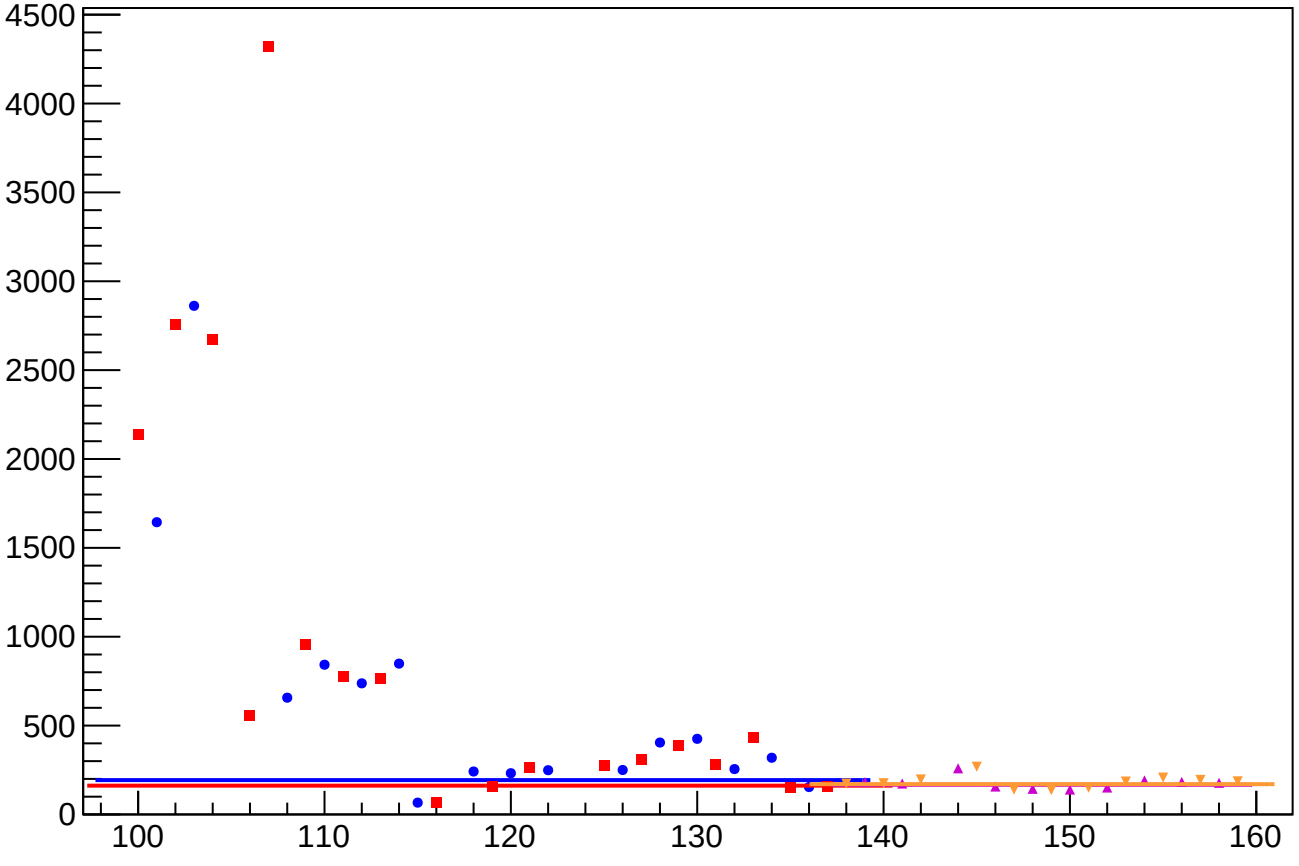
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -72.576+/-57.530 χ^2/NDF:9.3/9

+ sign -190.296+/-49.704 χ^2/NDF: 42.6/26

All: -131.390+/-34.465 χ^2/NDF: 69.6/54

- sign -76.837+/-47.832 χ^2/NDF: 24.3/27



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

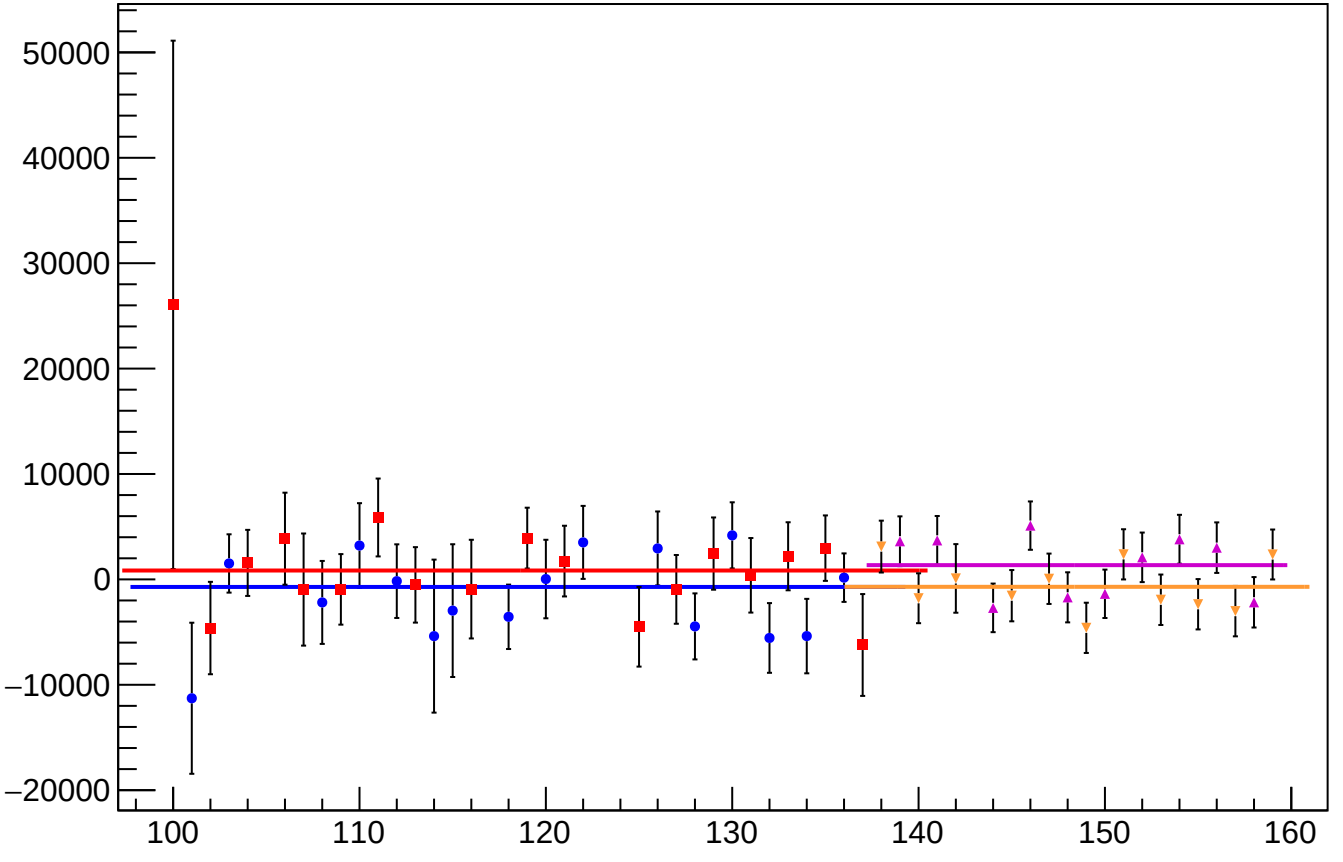
Left In: 167.014+/-0.041 χ^2/NDF:413613.2/9

+ sign 176.992+/-0.035 χ^2/NDF: 6233307.9/26

All: 171.026+/-0.024 χ^2/NDF: 13777381.0/54

- sign 165.501+/-0.034 χ^2/NDF: 7488581.8/27

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

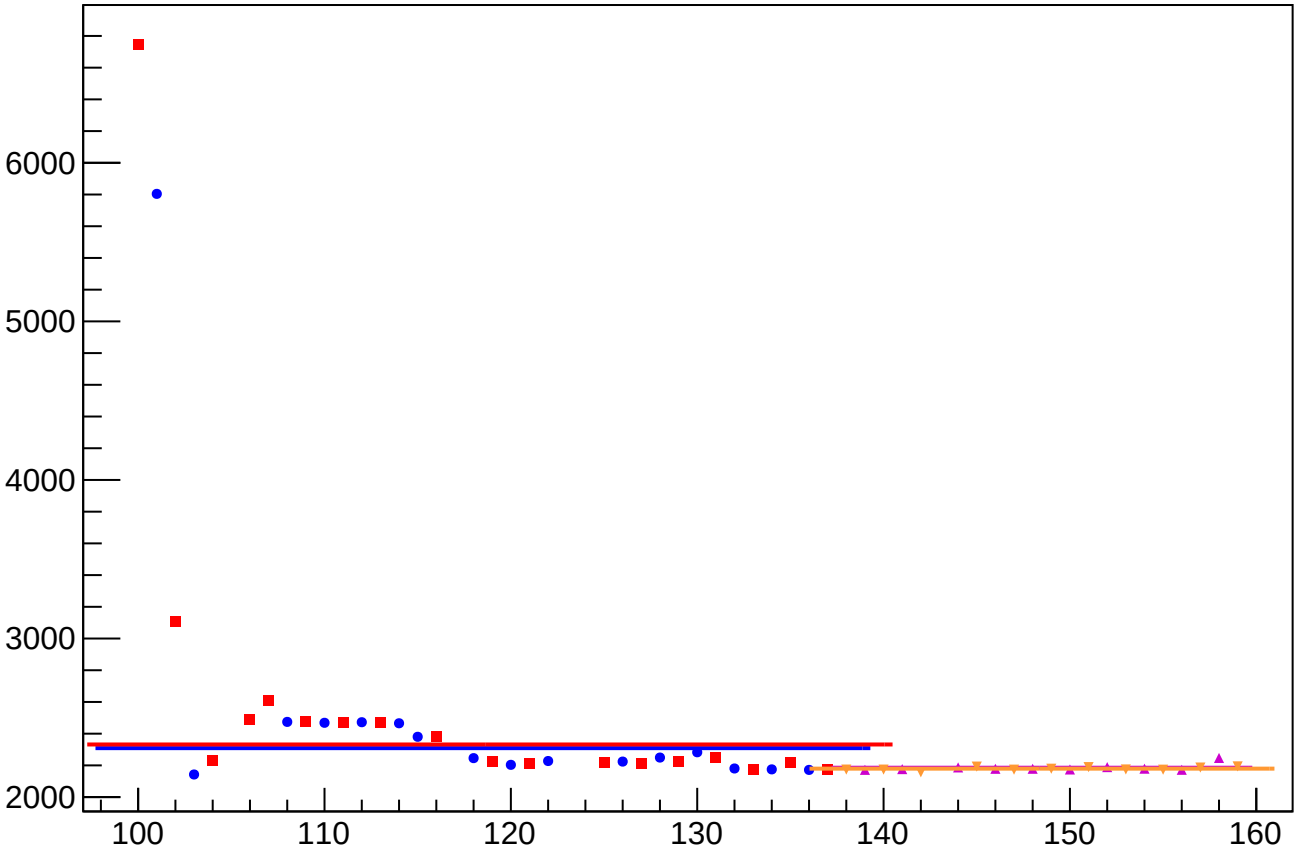
Left In: 1351.753+/-739.828 χ^2/NDF:14.6/9

+ sign -709.993+/-563.562 χ^2/NDF: 26.4/26

All: 212.808+/-398.855 χ^2/NDF: 58.8/54

- sign 1138.915+/-564.571 χ^2/NDF: 27.0/27

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

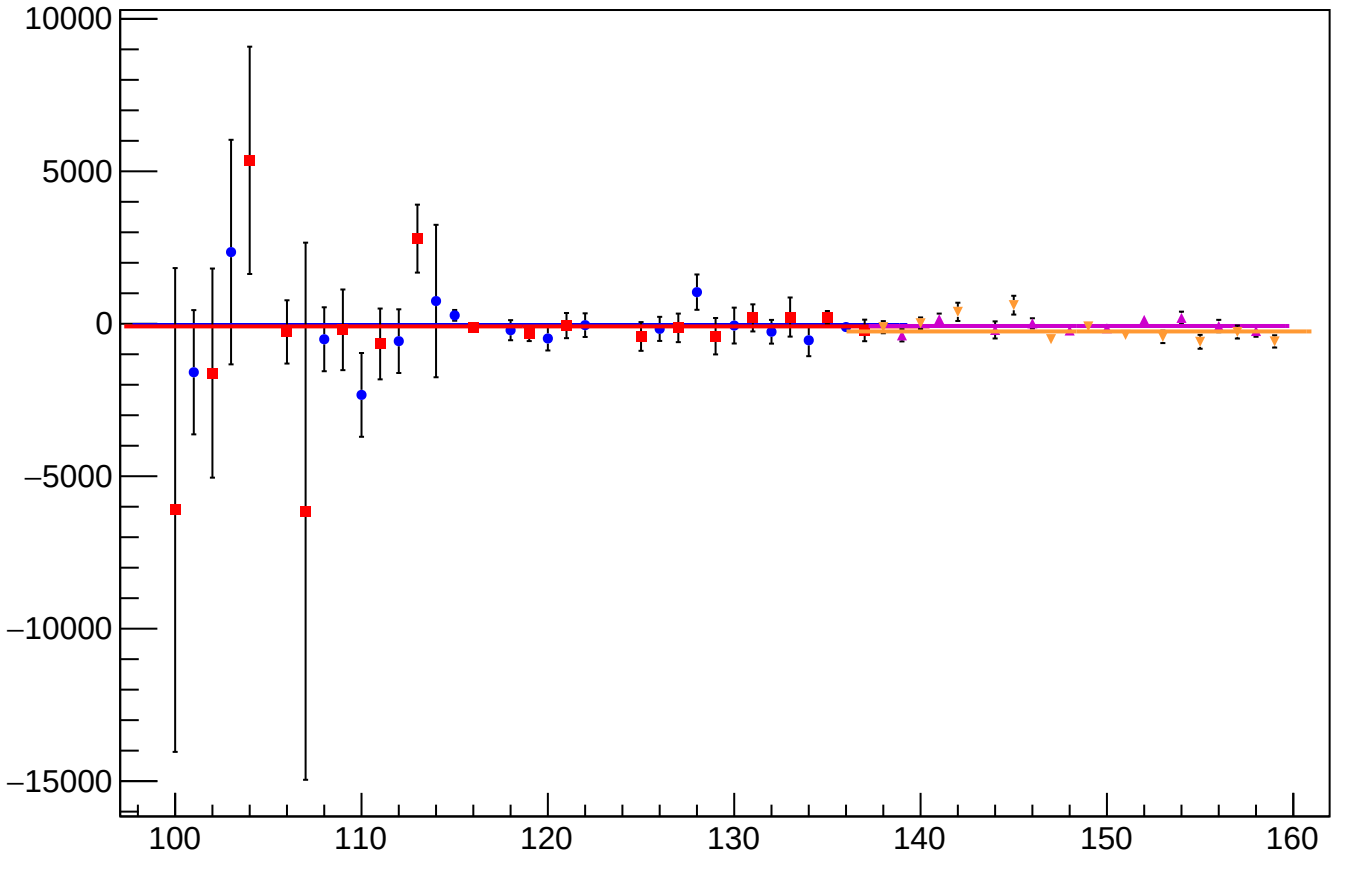
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2185.250+/-0.523 χ^2/NDF:1581.6/9

+ sign 2233.282+/-0.398 χ^2/NDF: 539647.1/26

All: 2239.869+/-0.282 χ^2/NDF: 741896.5/54

- sign 2246.479+/-0.399 χ^2/NDF: 201701.9/27



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -251.430+/-58.959 χ^2/NDF:24.9/10

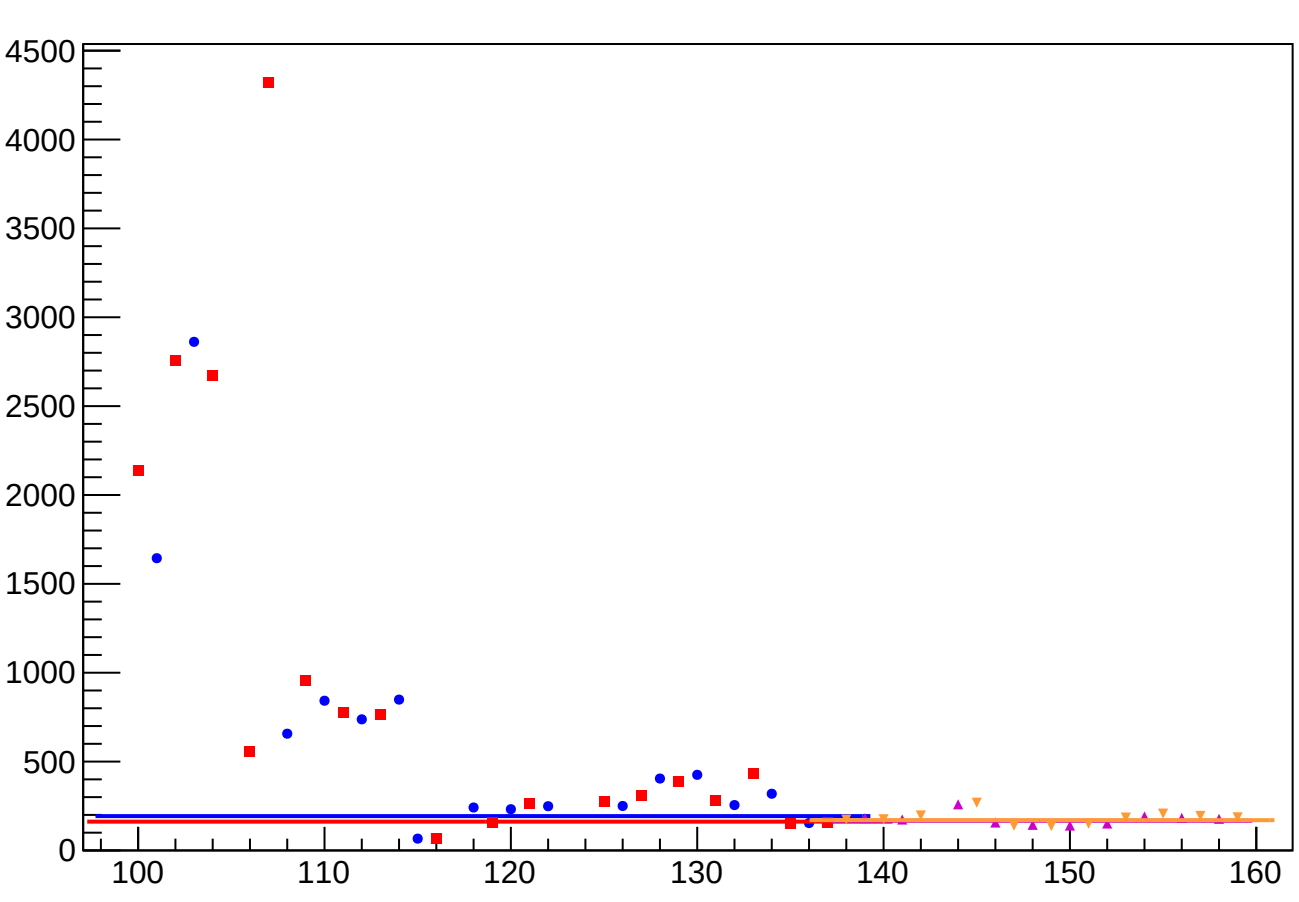
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -72.574+/-57.530 χ^2/NDF:9.3/9

+ sign -190.295+/-49.704 χ^2/NDF: 42.6/26

All: -131.389+/-34.465 χ^2/NDF: 69.6/54

- sign -76.836+/-47.832 χ^2/NDF: 24.3/27



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

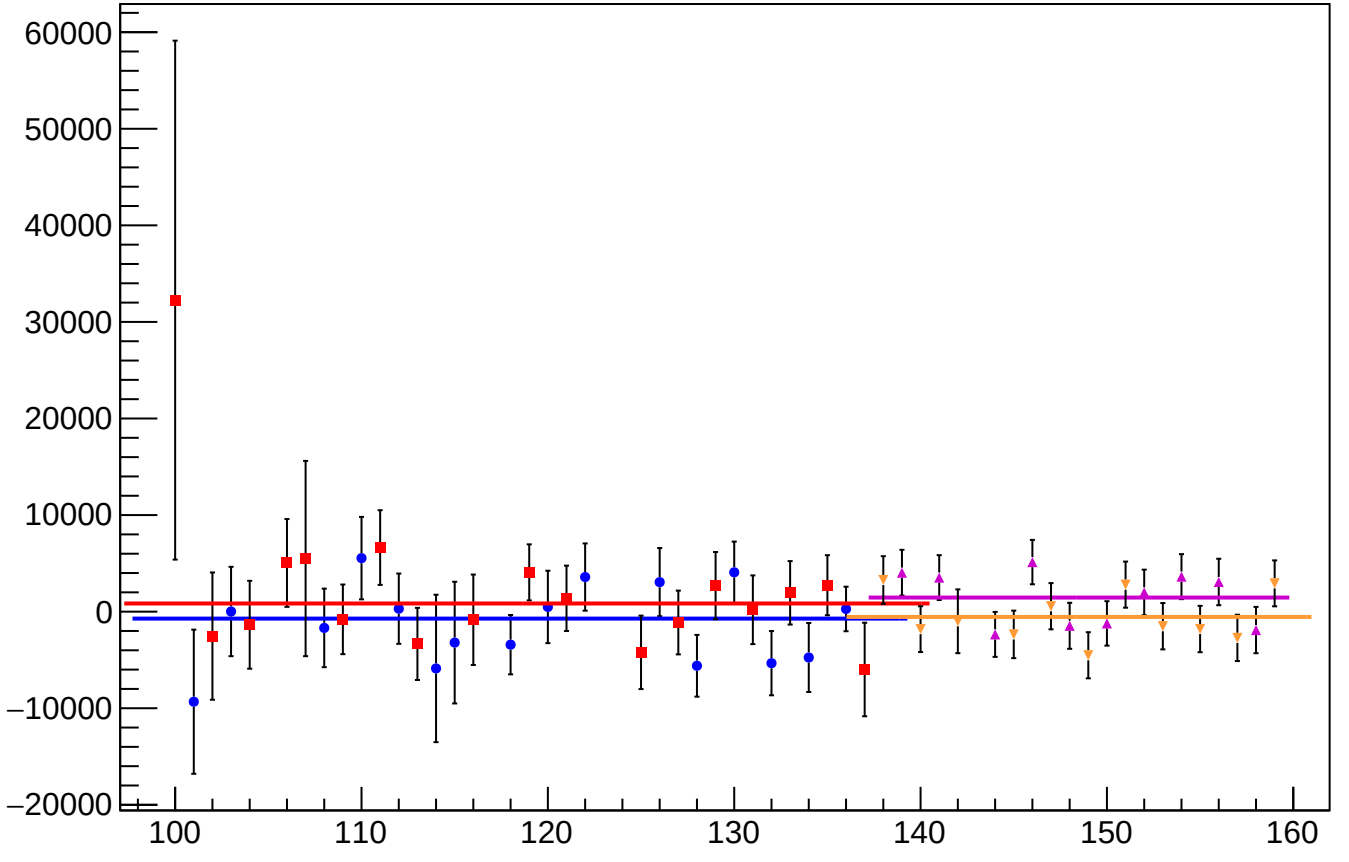
Left In: 167.015+/-0.041 χ^2/NDF:413602.6/9

+ sign 176.992+/-0.035 χ^2/NDF: 6233302.6/26

All: 171.026+/-0.024 χ^2/NDF: 13777432.4/54

- sign 165.501+/-0.034 χ^2/NDF: 7488635.4/27

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

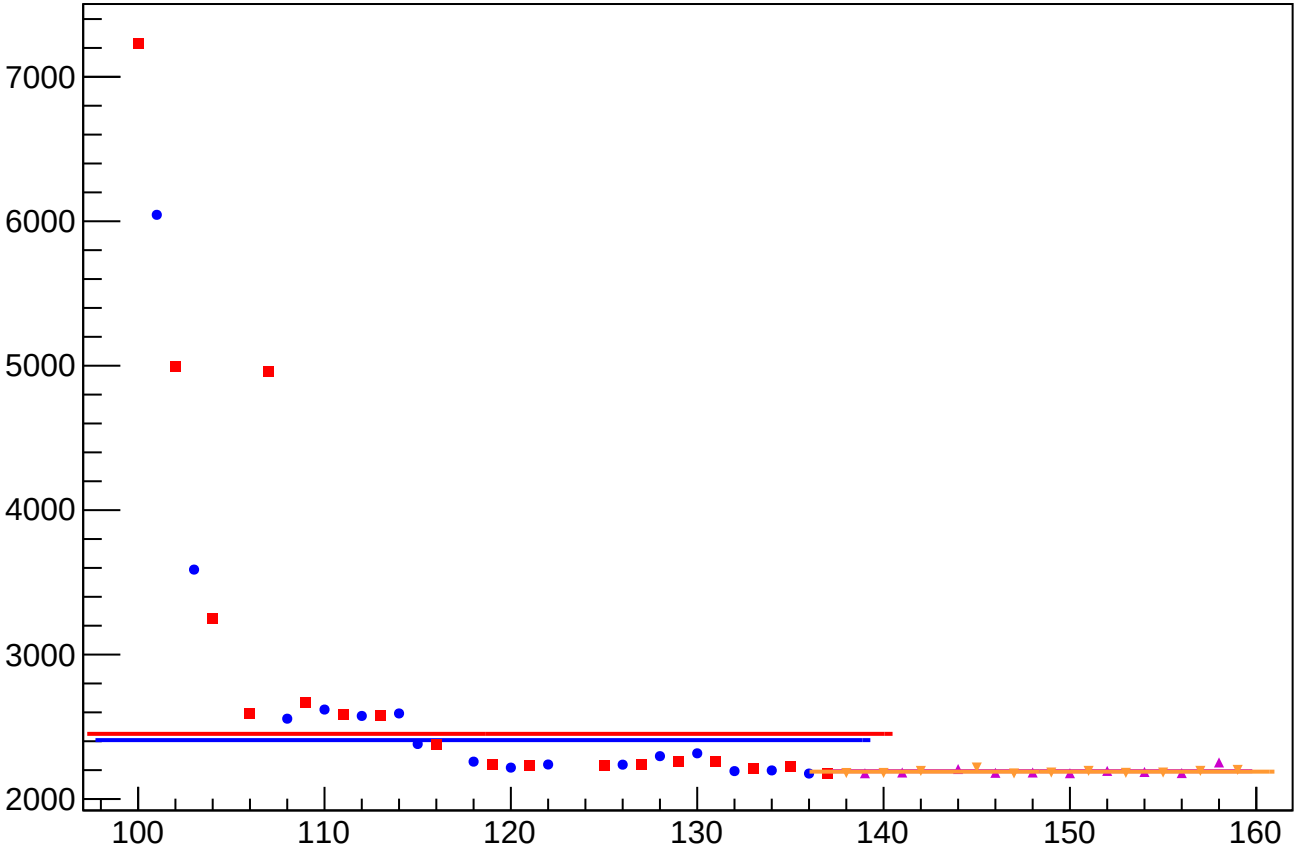
Left In: 1460.423+/-742.359 χ^2/NDF:13.4/9

+ sign -613.859+/-576.100 χ^2/NDF: 27.4/26

All: 297.300+/-408.690 χ^2/NDF: 59.0/54

- sign 1220.421+/-579.869 χ^2/NDF: 26.6/27

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

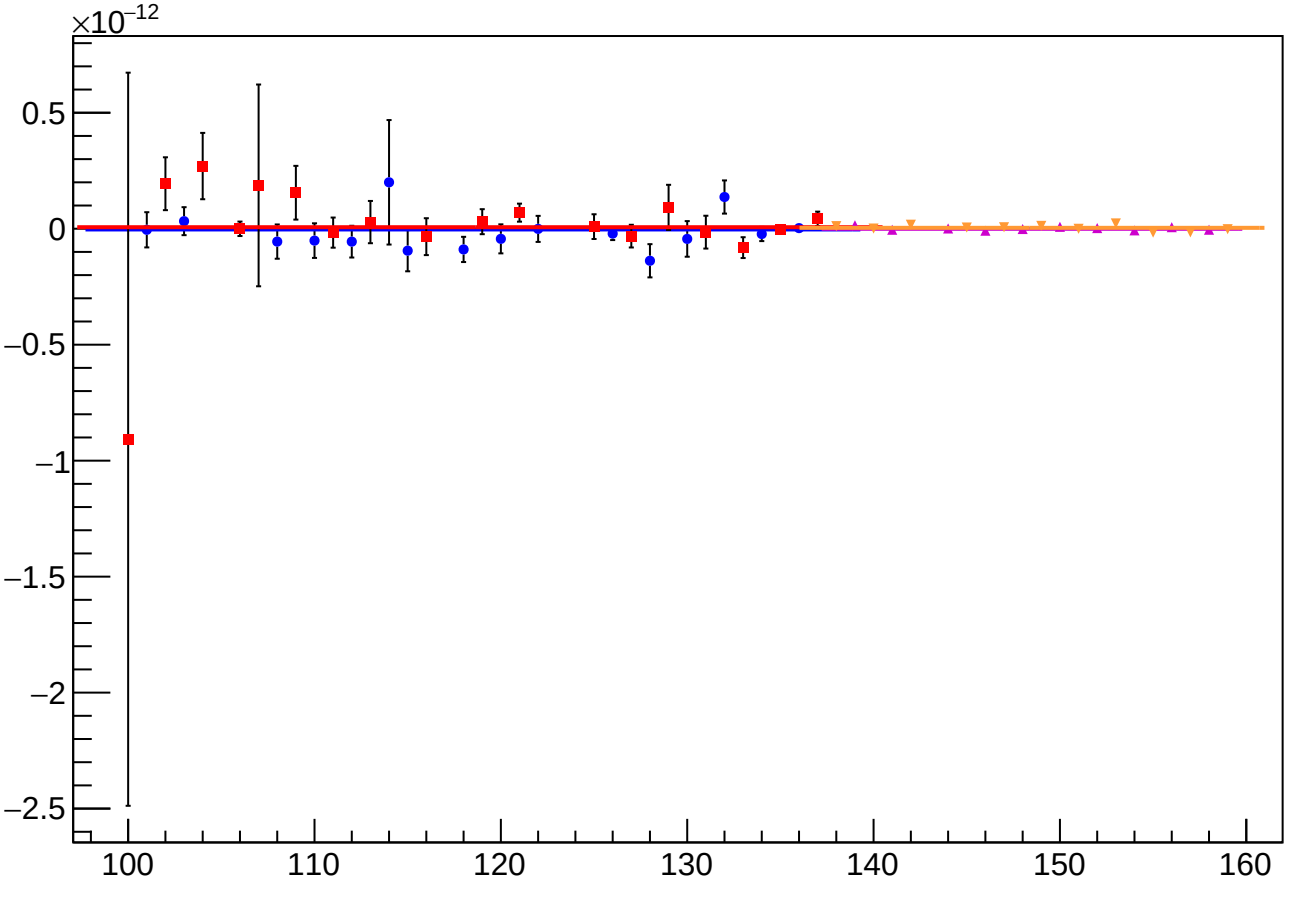
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2192.717+/-0.525 χ^2/NDF:1679.2/9

+ sign 2275.794+/-0.407 χ^2/NDF: 746054.7/26

All: 2284.582+/-0.289 χ^2/NDF: 1476793.1/54

- sign 2293.485+/-0.410 χ^2/NDF: 729801.5/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/10

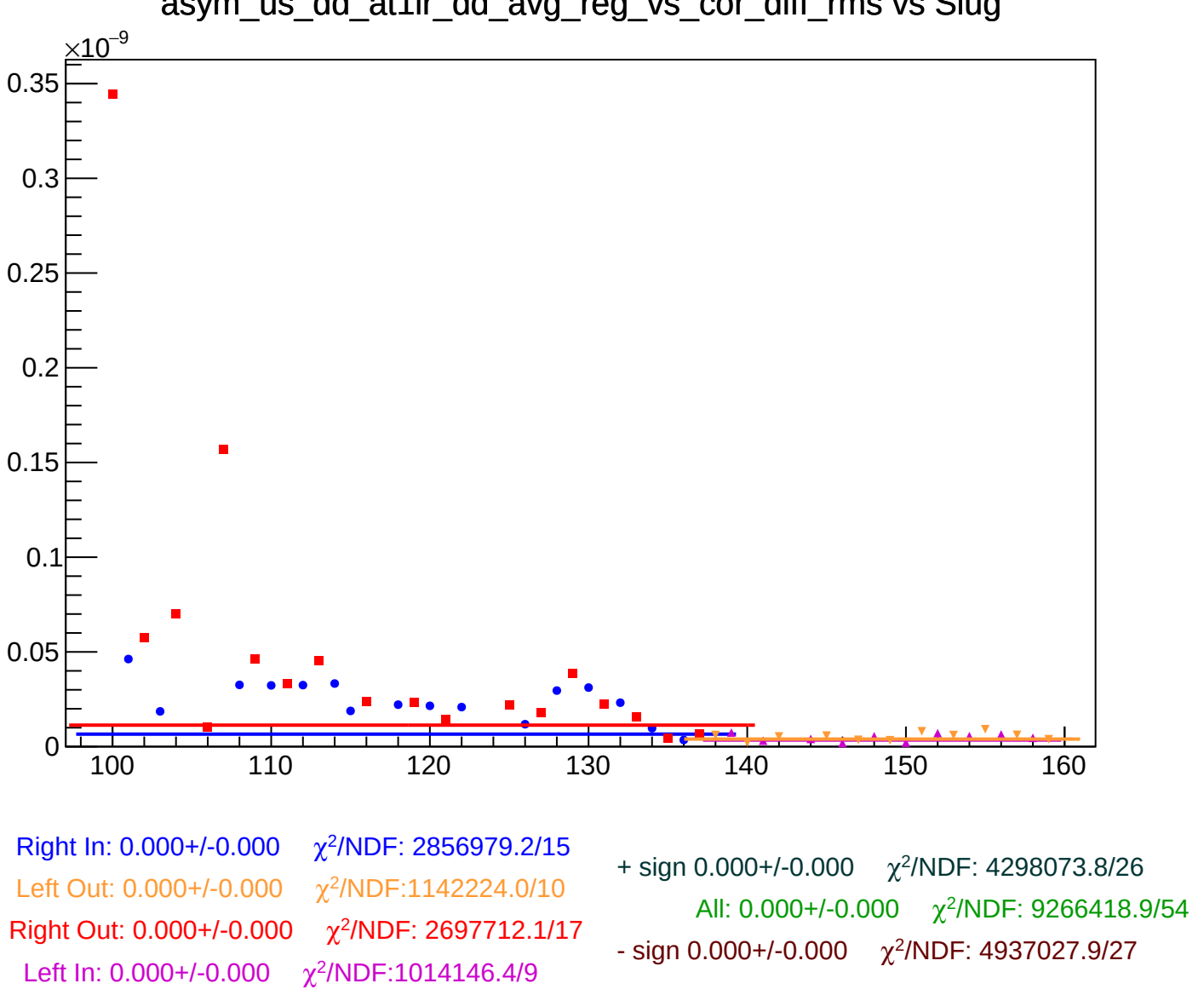
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

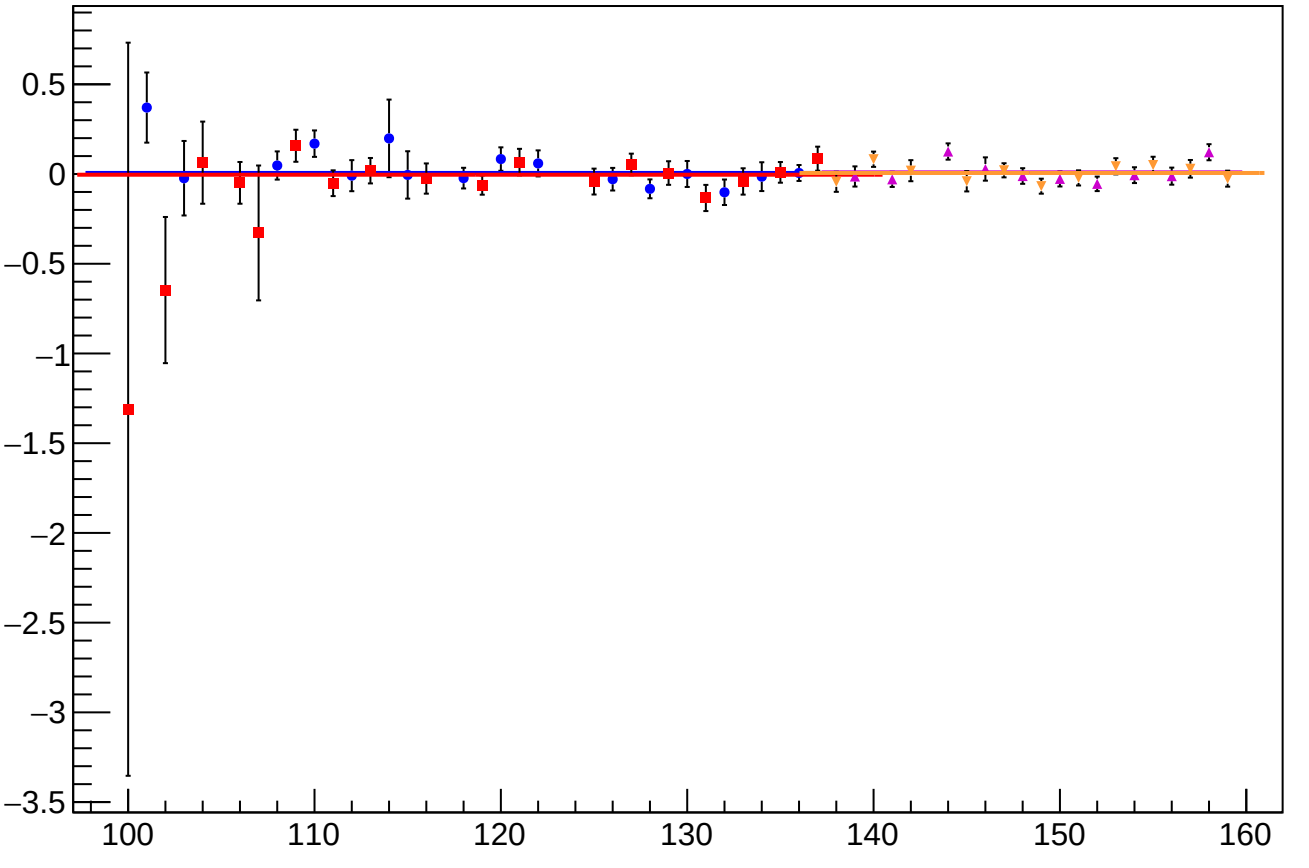
Left In: -0.000+/-0.000 χ^2/NDF:8.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/26

All: 0.000+/-0.000 χ^2/NDF: 56.6/54

- sign 0.000+/-0.000 χ^2/NDF: 28.0/27


asym_us_dd_at1lr_dd_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: 2856979.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1142224.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:1014146.4/9
+ sign 0.000+/-0.000 χ²/NDF: 4298073.8/26
All: 0.000+/-0.000 χ²/NDF: 9266418.9/54
- sign 0.000+/-0.000 χ²/NDF: 4937027.9/27



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.014 χ^2/NDF:10.7/10

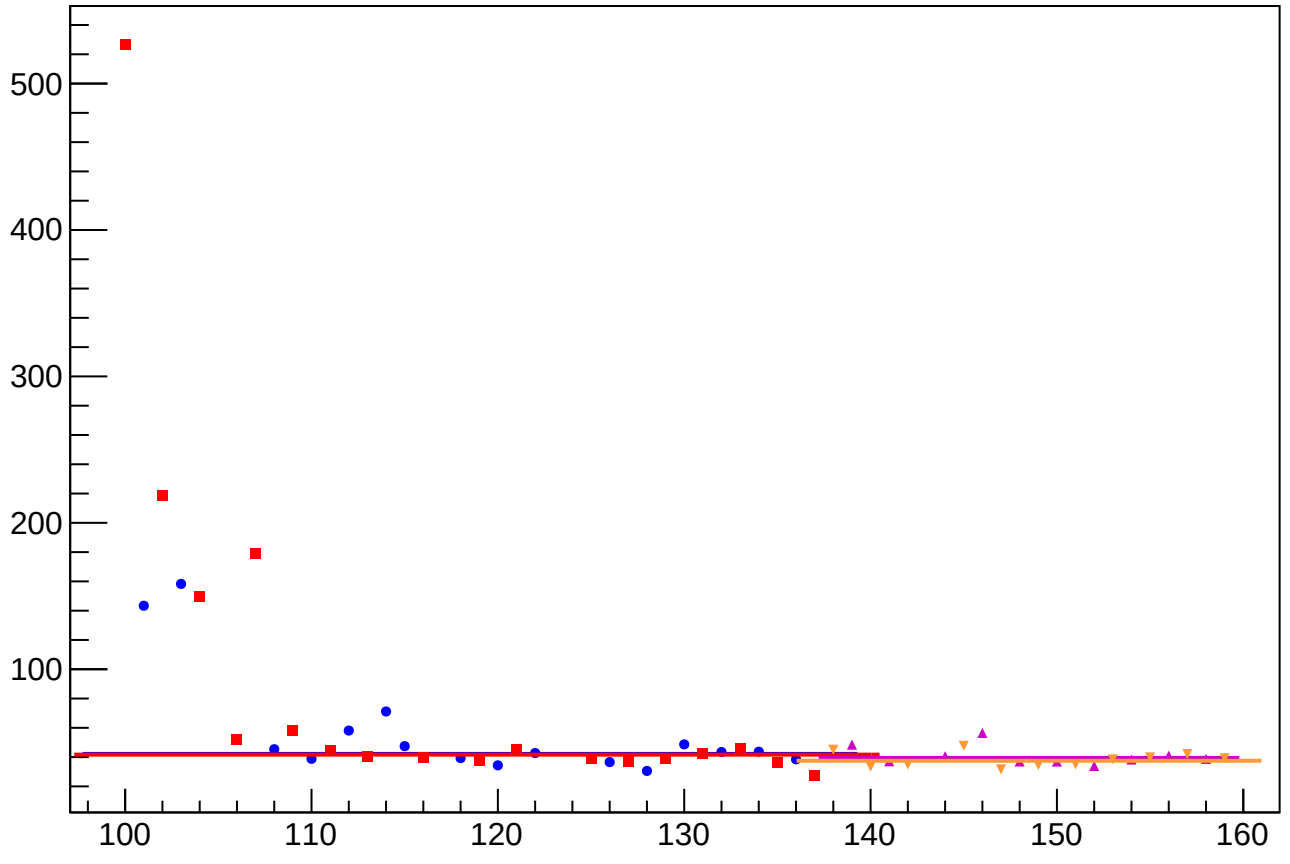
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.009+/-0.015 χ^2/NDF:17.7/9

+ sign 0.006+/-0.011 χ^2/NDF: 27.9/26

All: 0.005+/-0.008 χ^2/NDF: 62.2/54

- sign 0.004+/-0.011 χ^2/NDF: 34.3/27



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.506+/-0.010 χ^2/NDF:210187.2/10

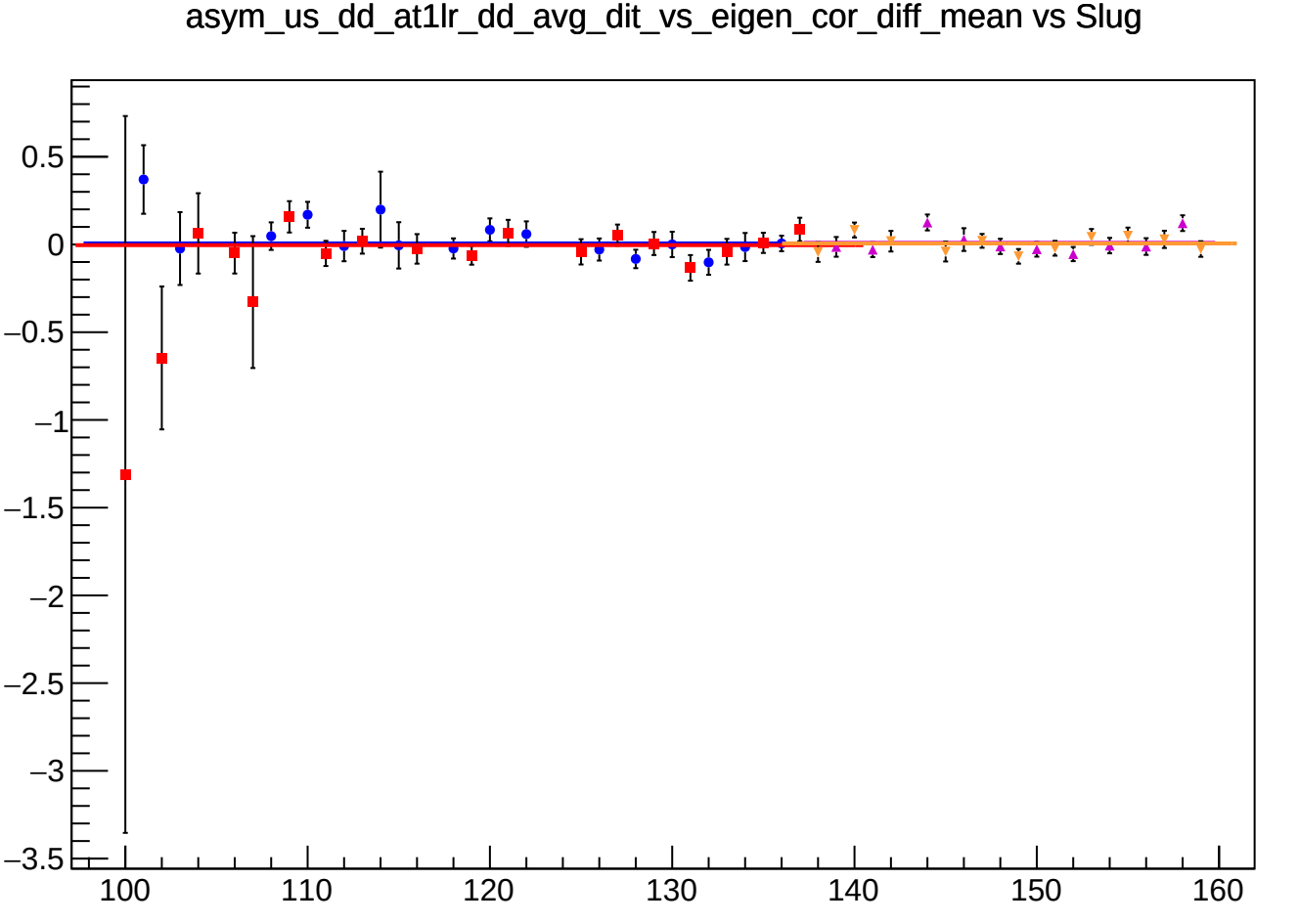
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.435+/-0.010 χ^2/NDF:250922.7/9

+ sign 39.226+/-0.008 χ^2/NDF: 1746718.9/26

All: 39.742+/-0.006 χ^2/NDF: 3466071.4/54

- sign 40.290+/-0.008 χ^2/NDF: 1710434.7/27



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.014 χ^2/NDF:10.7/10

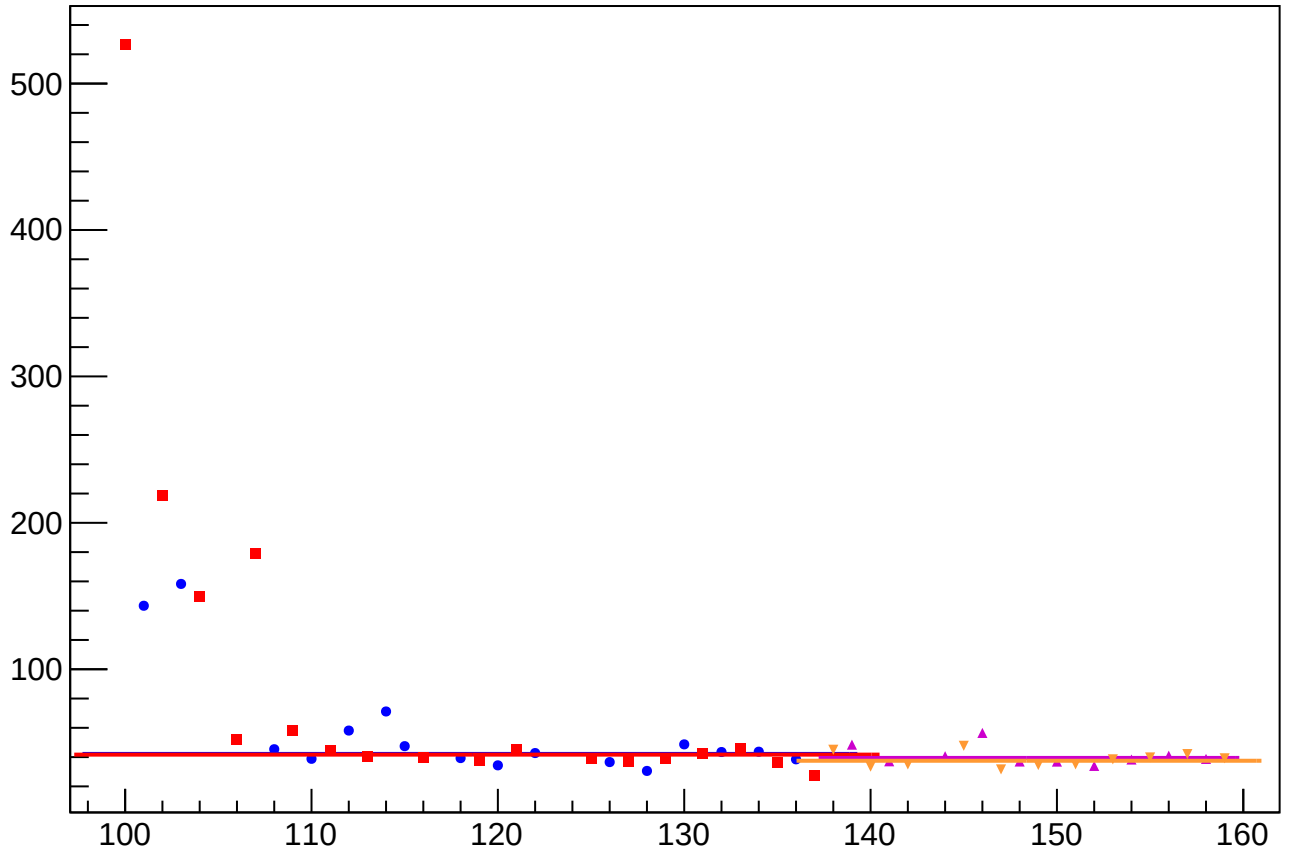
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.009+/-0.015 χ^2/NDF:17.7/9

+ sign 0.006+/-0.011 χ^2/NDF: 27.9/26

All: 0.005+/-0.008 χ^2/NDF: 62.2/54

- sign 0.004+/-0.011 χ^2/NDF: 34.3/27



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.506+/-0.010 χ^2/NDF:210187.2/10

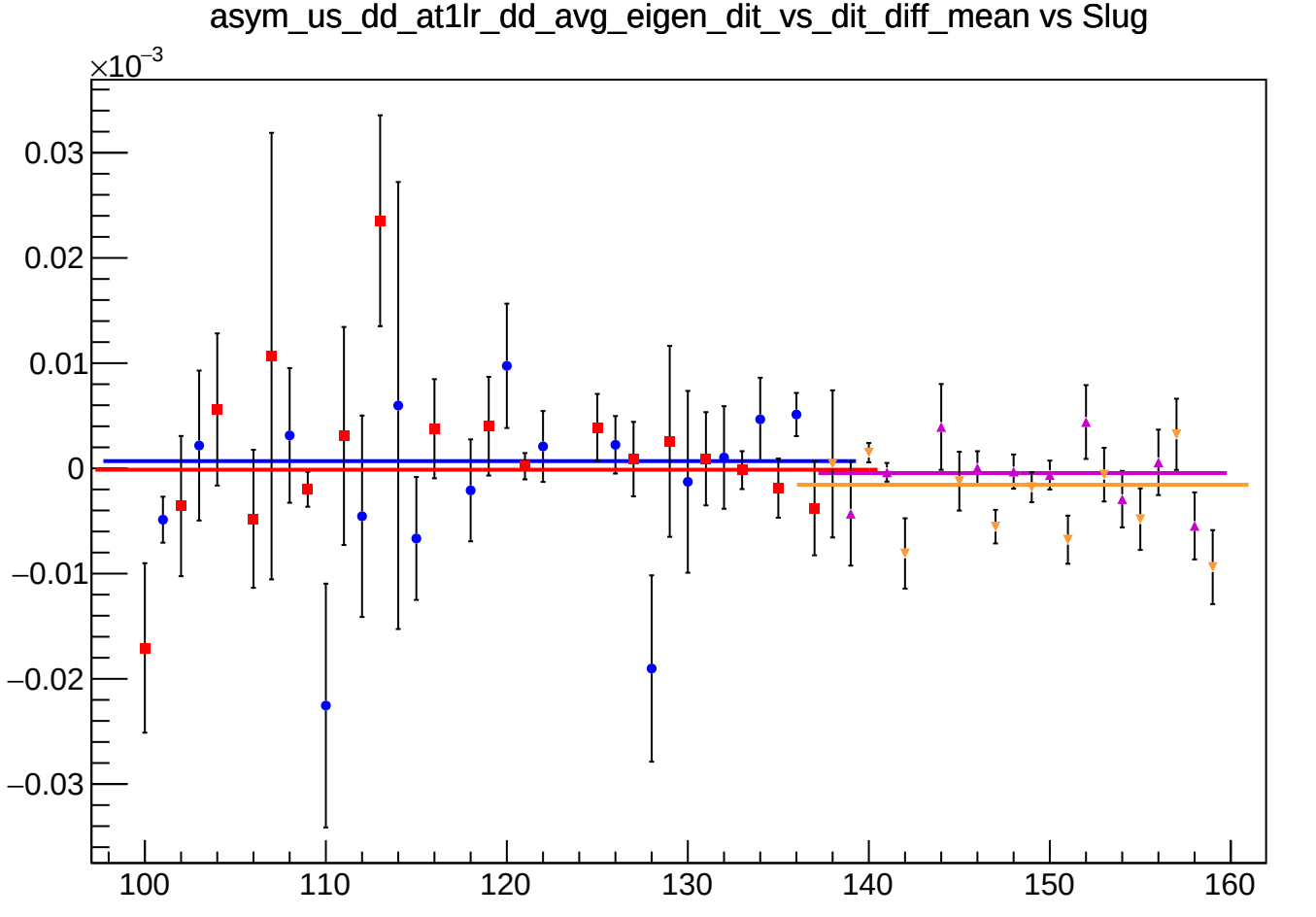
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.435+/-0.010 χ^2/NDF:250922.7/9

+ sign 39.226+/-0.008 χ^2/NDF: 1746718.9/26

All: 39.742+/-0.006 χ^2/NDF: 3466071.4/54

- sign 40.290+/-0.008 χ^2/NDF: 1710434.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/10

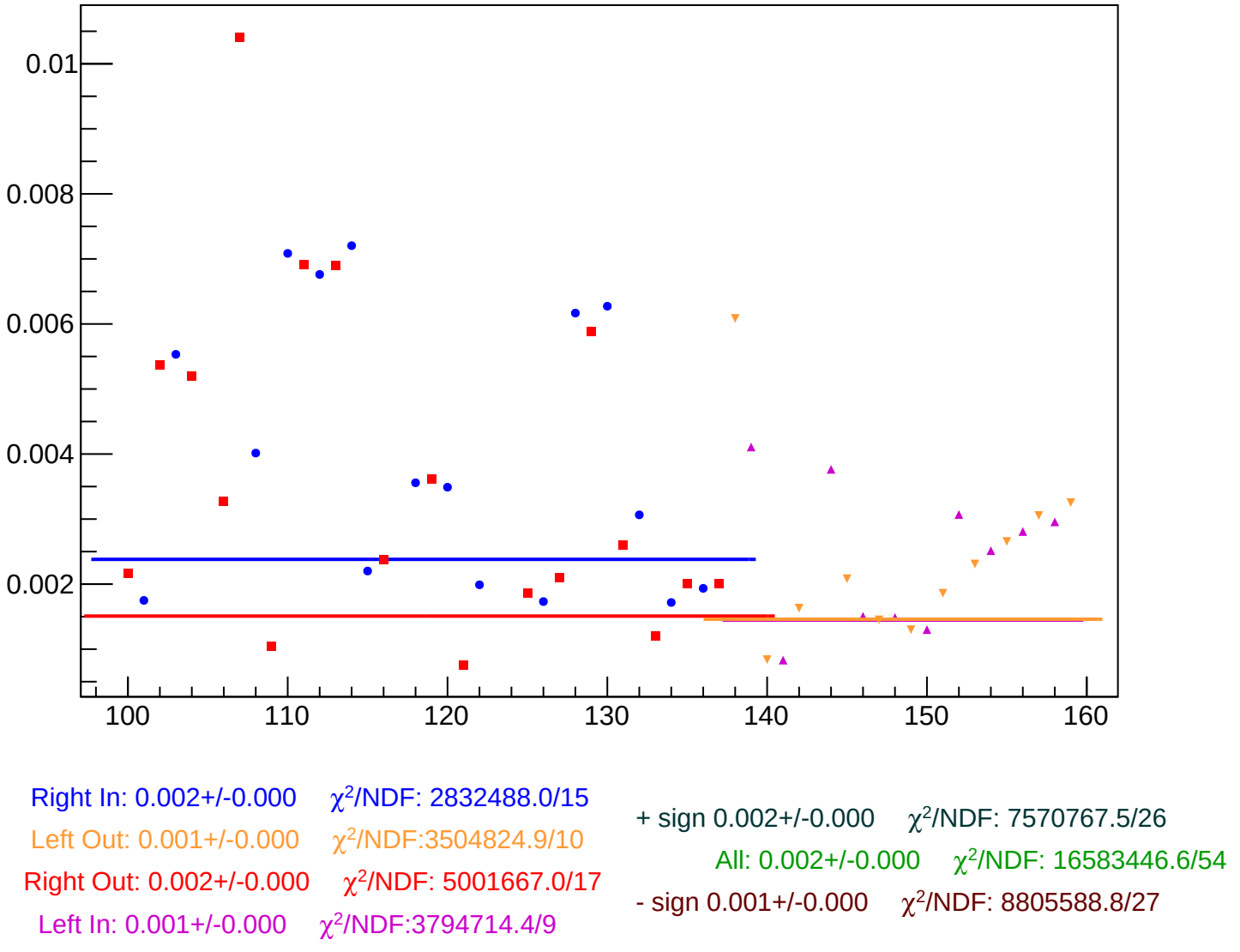
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

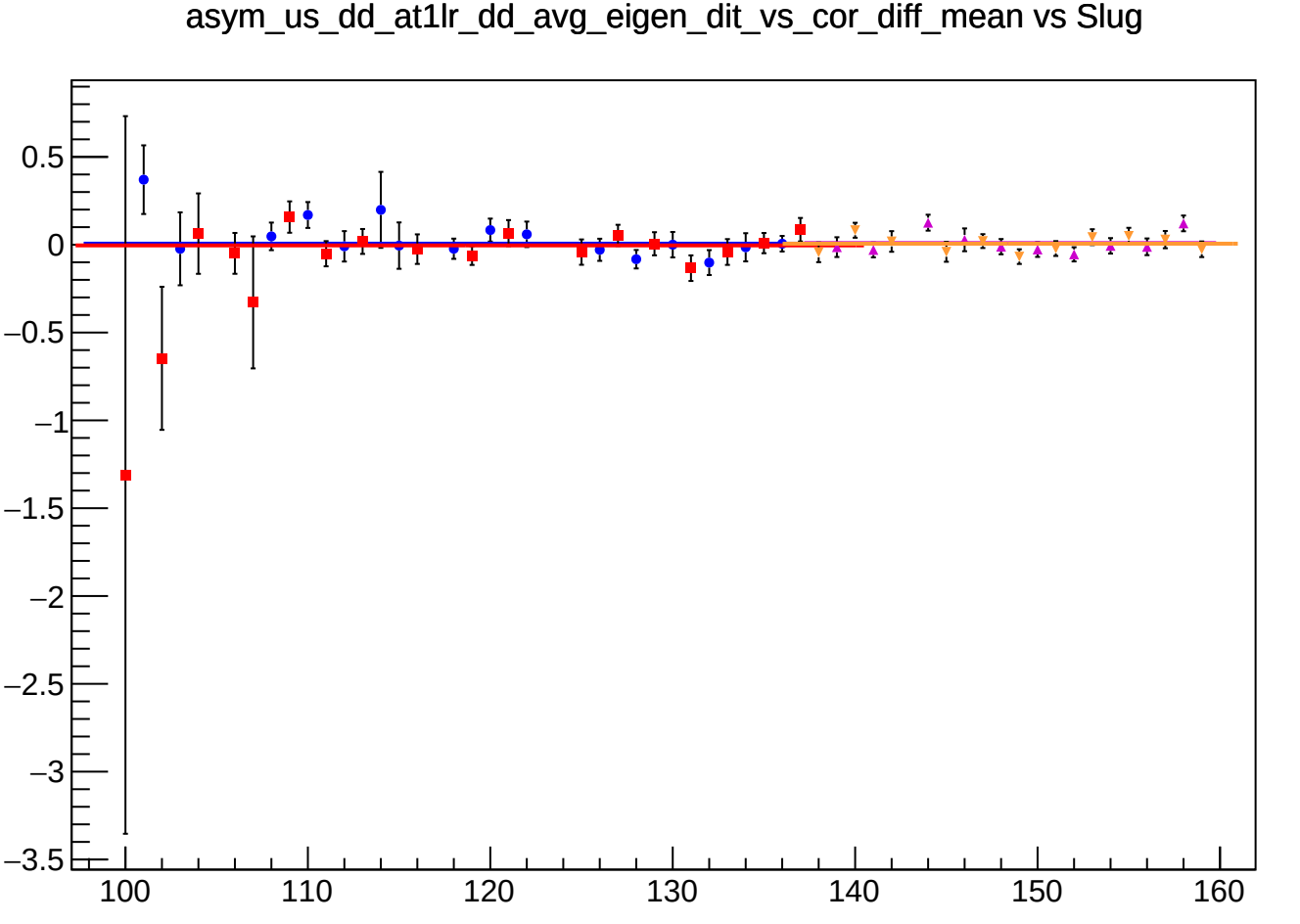
Left In: -0.000+/-0.000 χ^2/NDF:7.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/26

All: -0.000+/-0.000 χ^2/NDF: 90.8/54

- sign -0.000+/-0.000 χ^2/NDF: 24.8/27


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:3794714.4/9
+ sign 0.002+/-0.000 χ²/NDF: 7570767.5/26
All: 0.002+/-0.000 χ²/NDF: 16583446.6/54
- sign 0.001+/-0.000 χ²/NDF: 8805588.8/27



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.014 χ^2/NDF:10.7/10

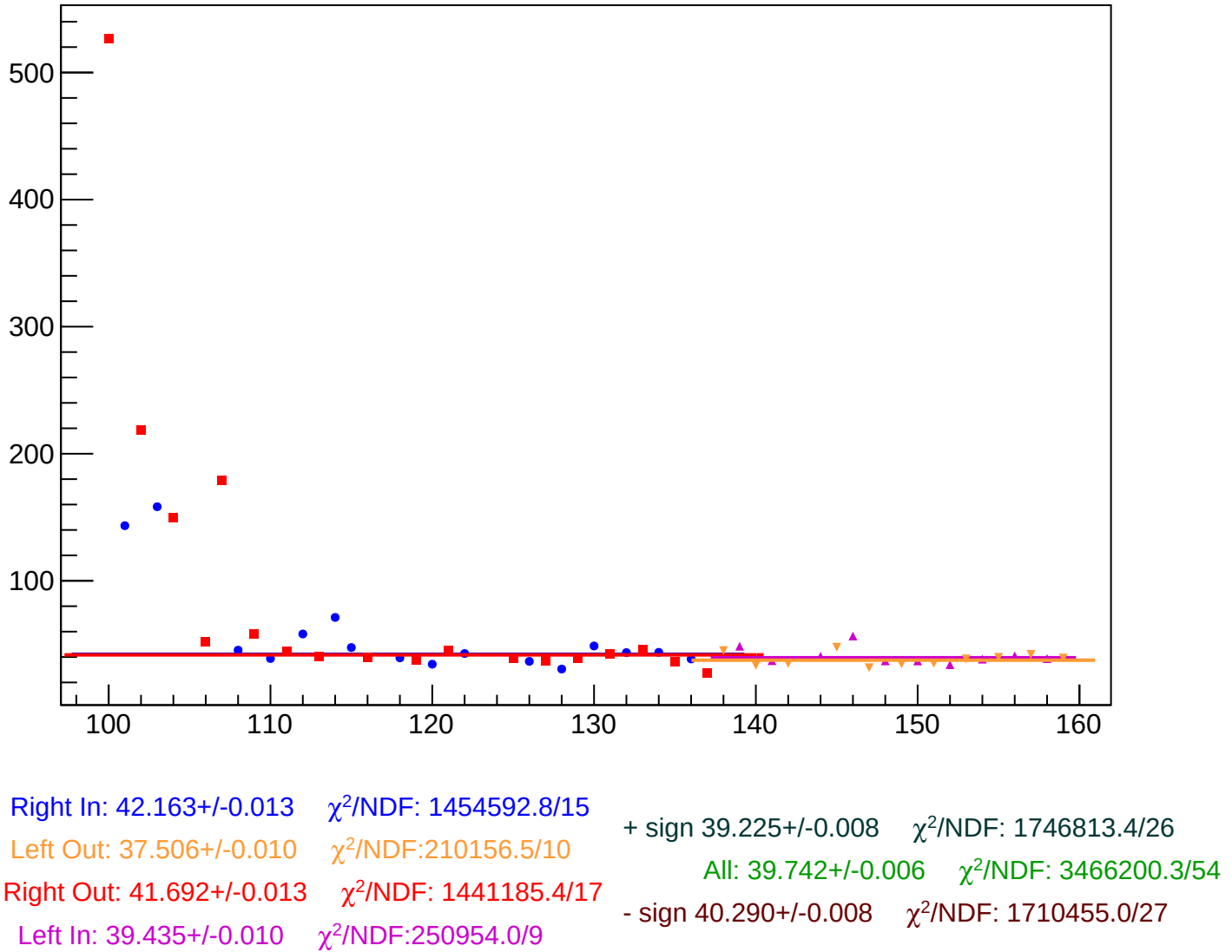
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

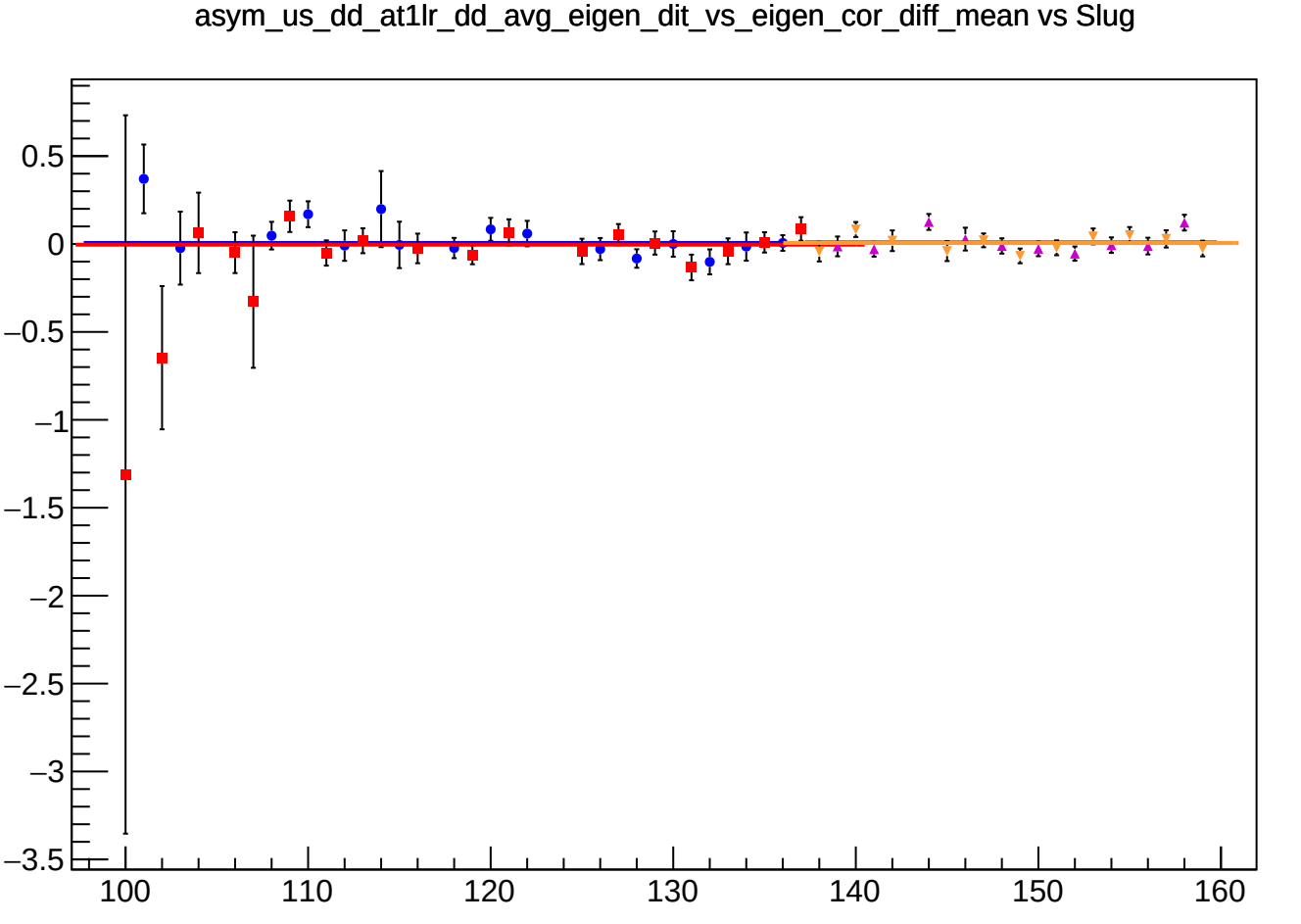
Left In: 0.009+/-0.015 χ^2/NDF:17.7/9

+ sign 0.006+/-0.011 χ^2/NDF: 27.9/26

All: 0.005+/-0.008 χ^2/NDF: 62.2/54

- sign 0.004+/-0.011 χ^2/NDF: 34.3/27


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_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: 39.435+/-0.010 χ²/NDF:250954.0/9
+ sign 39.225+/-0.008 χ²/NDF: 1746813.4/26
All: 39.742+/-0.006 χ²/NDF: 3466200.3/54
- sign 40.290+/-0.008 χ²/NDF: 1710455.0/27



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.014 χ^2/NDF:10.7/10

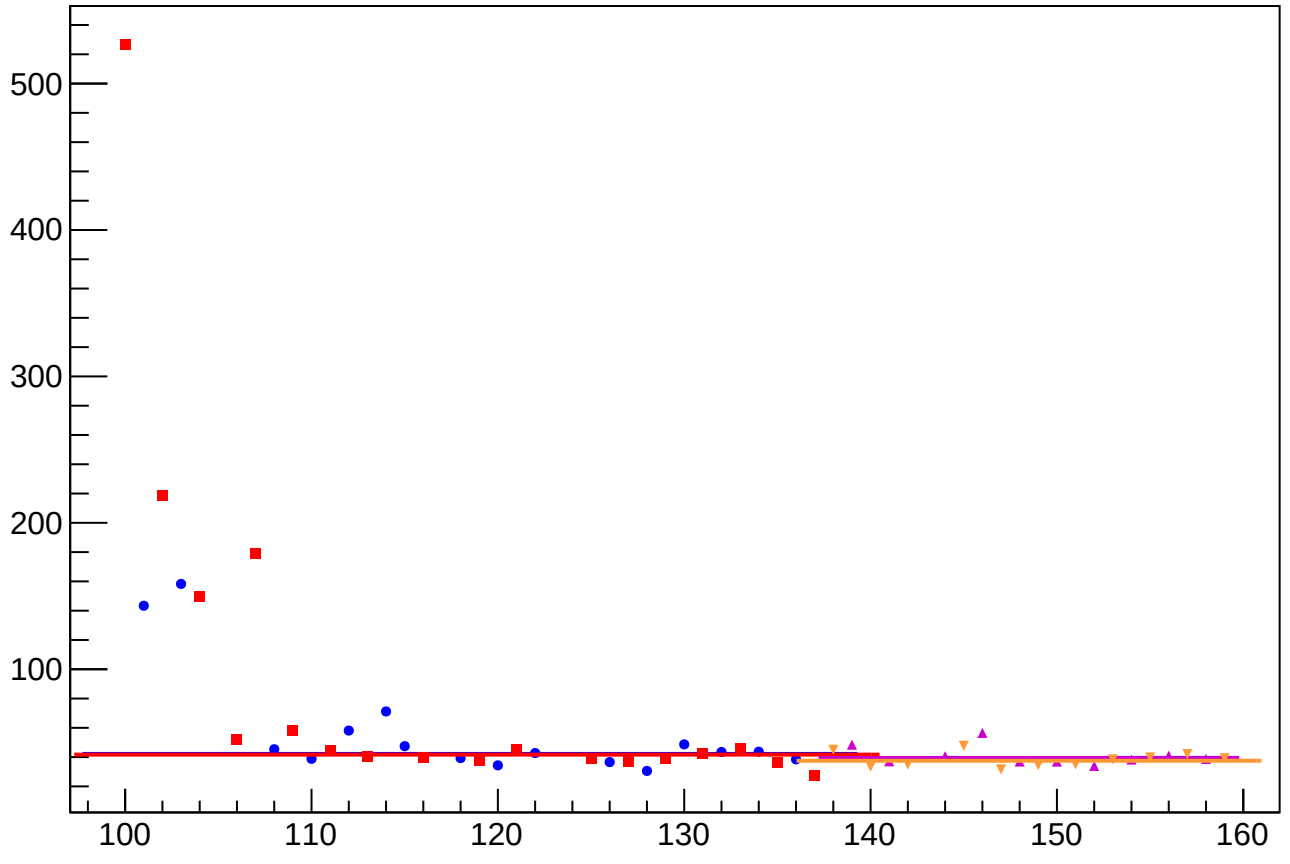
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.009+/-0.015 χ^2/NDF:17.7/9

+ sign 0.006+/-0.011 χ^2/NDF: 27.9/26

All: 0.005+/-0.008 χ^2/NDF: 62.2/54

- sign 0.004+/-0.011 χ^2/NDF: 34.3/27



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.506+/-0.010 χ^2/NDF:210156.5/10

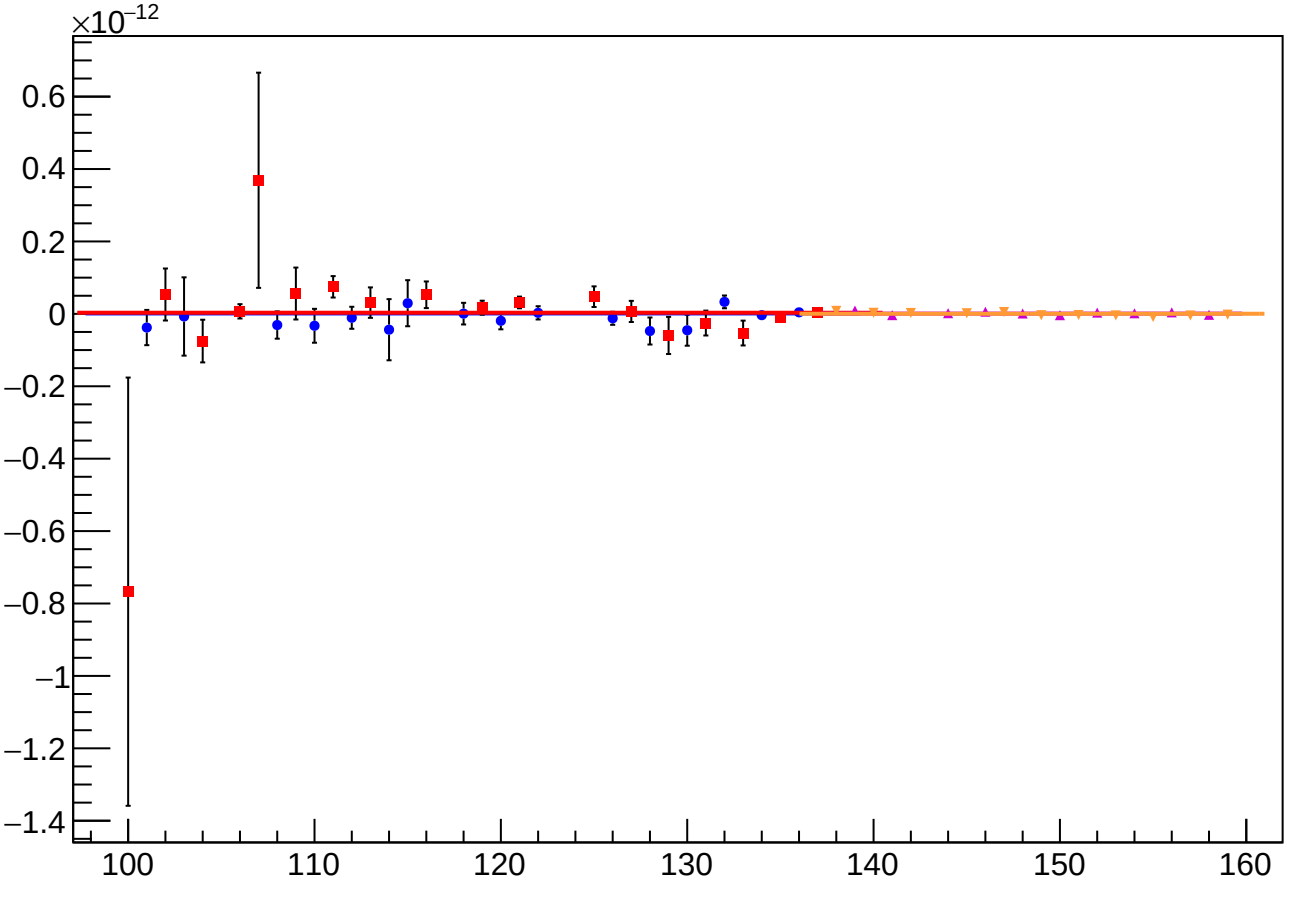
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.435+/-0.010 χ^2/NDF:250954.0/9

+ sign 39.225+/-0.008 χ^2/NDF: 1746813.4/26

All: 39.742+/-0.006 χ^2/NDF: 3466200.3/54

- sign 40.290+/-0.008 χ^2/NDF: 1710455.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/10

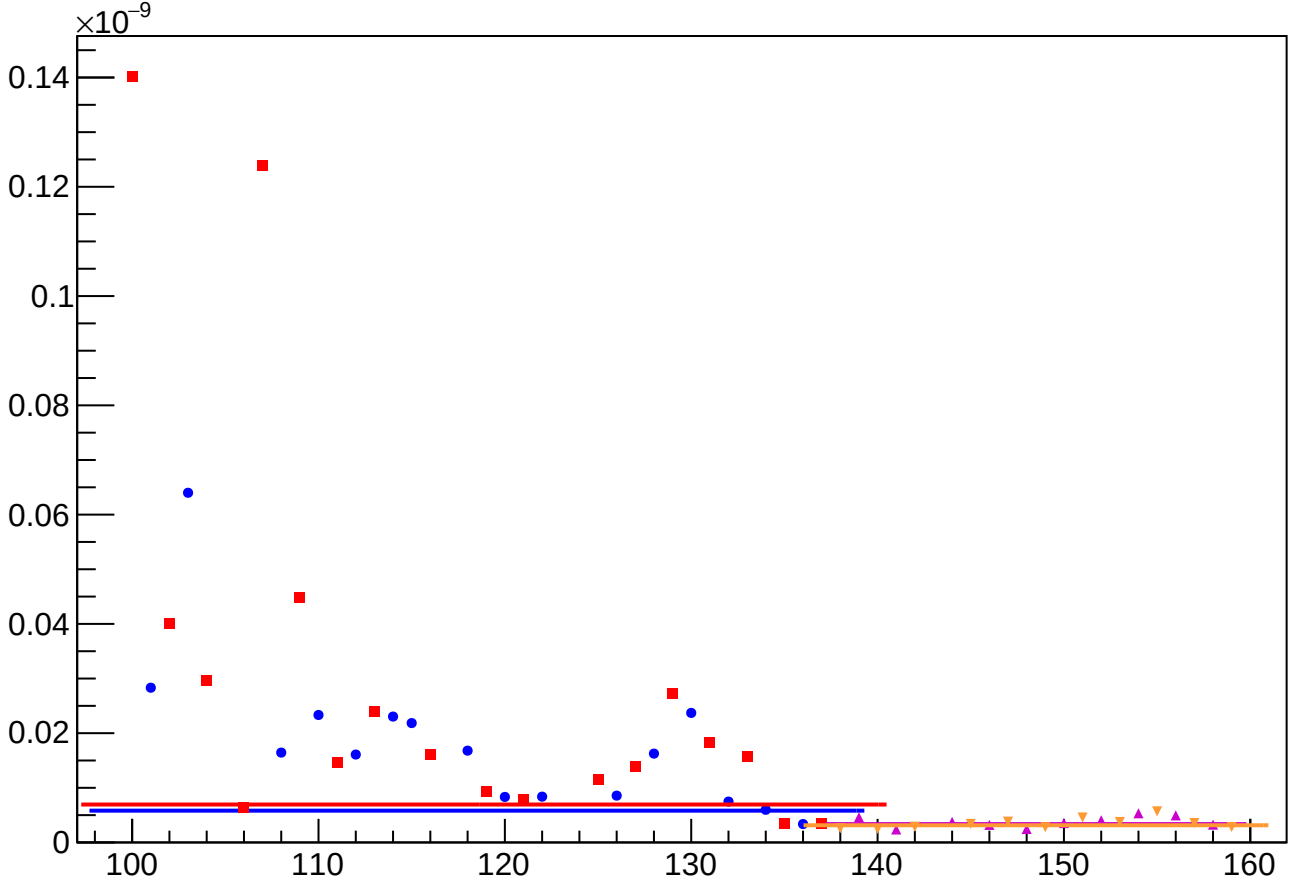
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 19.2/26

All: 0.000+/-0.000 χ^2/NDF: 54.4/54

- sign 0.000+/-0.000 χ^2/NDF: 35.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:478310.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

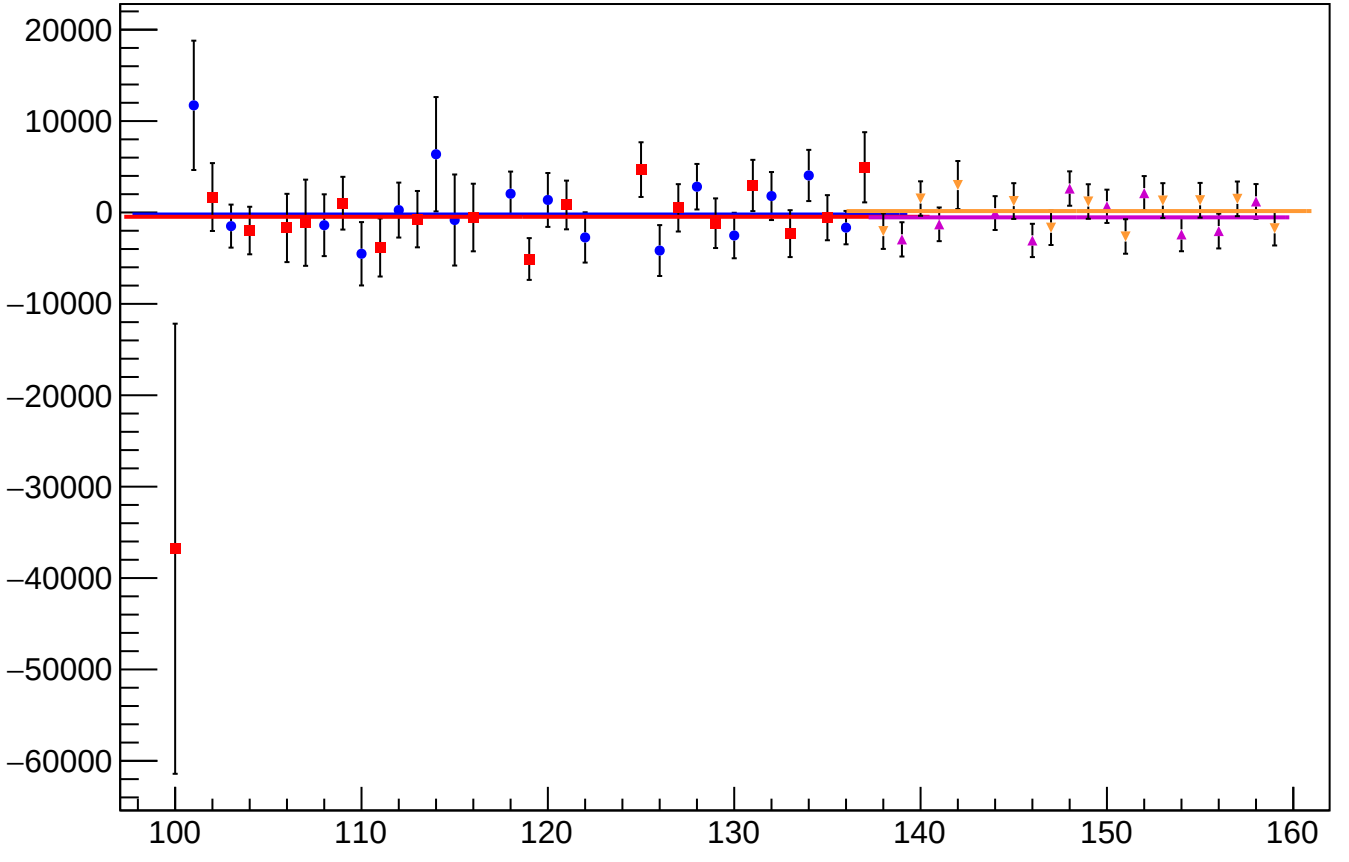
Left In: 0.000+/-0.000 χ^2/NDF:624335.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4589413.9/26

All: 0.000+/-0.000 χ^2/NDF: 10060088.4/54

- sign 0.000+/-0.000 χ^2/NDF: 5443687.0/27

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

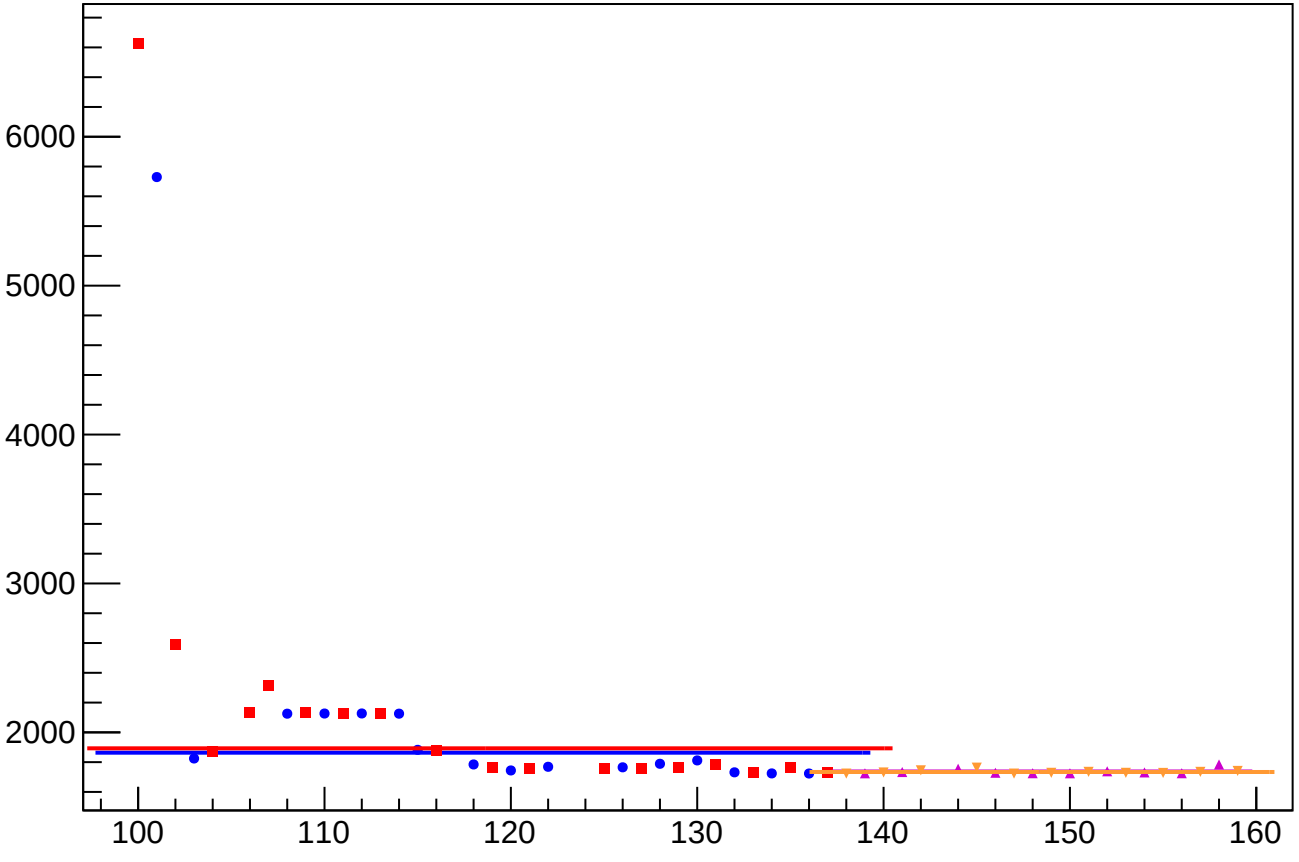
Left In: -534.608+/-588.172 χ^2/NDF:11.6/9

+ sign -0.103+/-452.061 χ^2/NDF: 24.9/26

All: -254.020+/-320.101 χ^2/NDF: 53.0/54

- sign -509.357+/-453.323 χ^2/NDF: 27.4/27

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

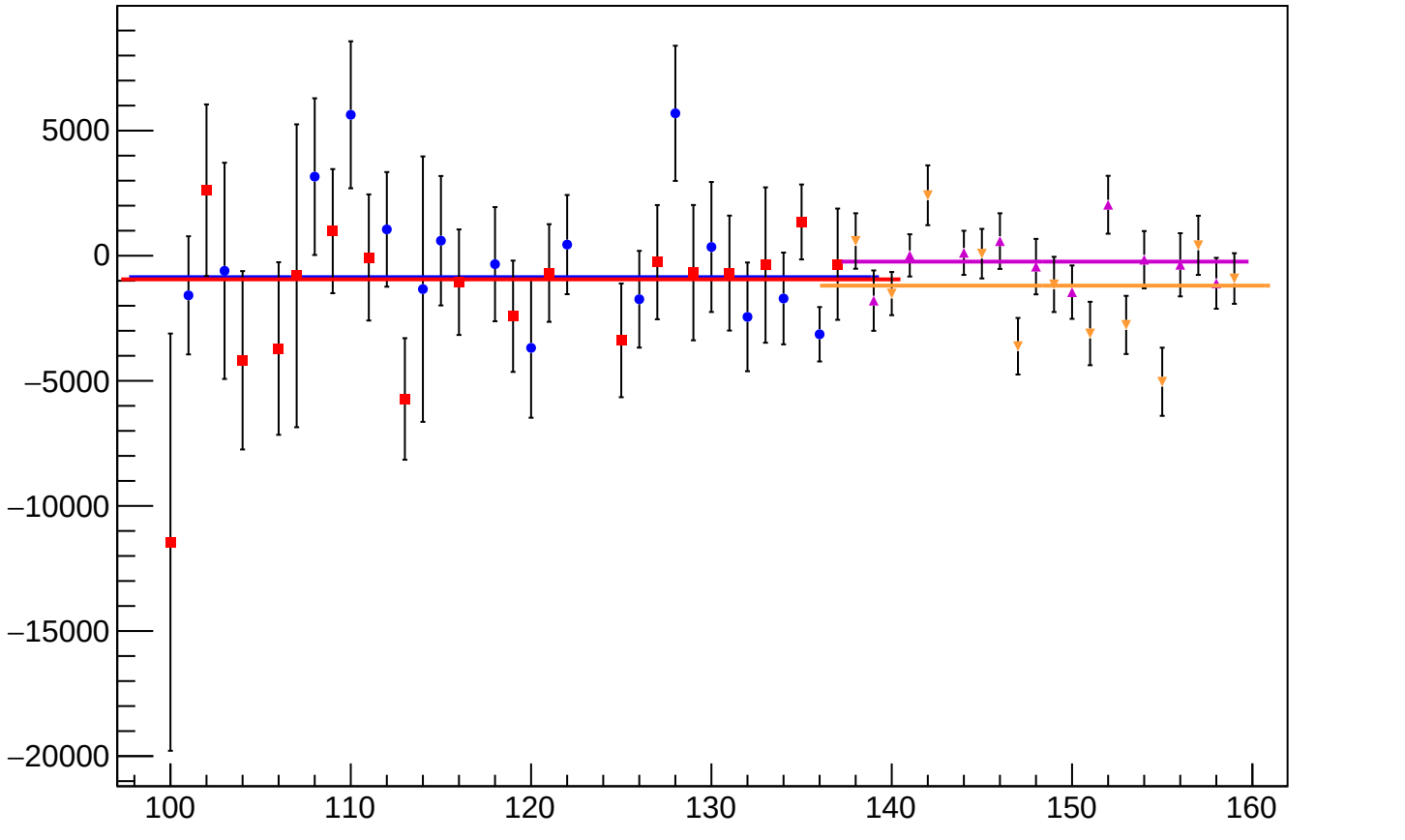
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

+ sign 1786.604+/-0.320 χ^2/NDF: 715059.5/26

All: 1793.506+/-0.226 χ^2/NDF: 1026147.5/54

- sign 1800.447+/-0.321 χ^2/NDF: 310152.9/27



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1195.122+/-331.985 χ^2/NDF:32.1/10

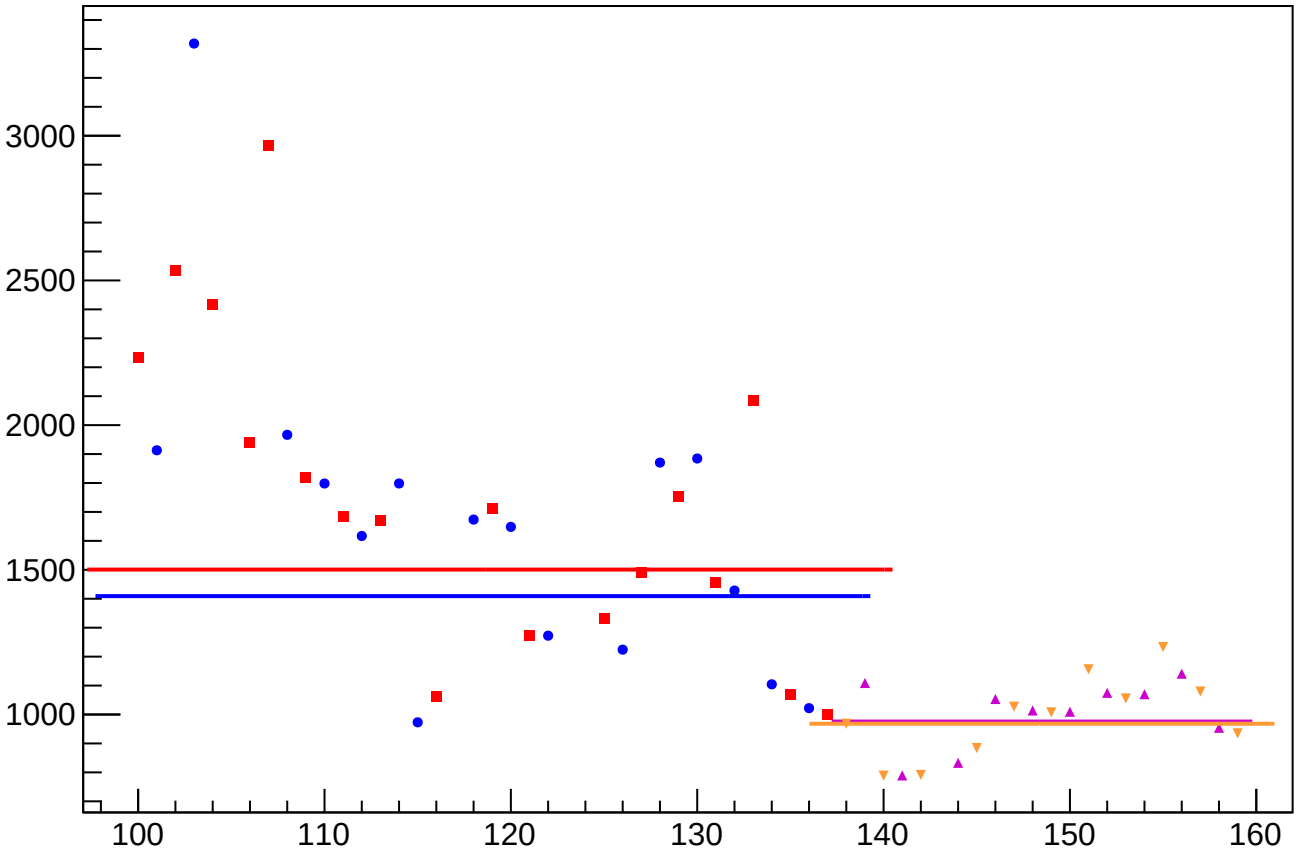
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -235.968+/-333.617 χ^2/NDF:8.4/9

+ sign -1104.856+/-284.192 χ^2/NDF: 53.0/26

All: -764.249+/-202.866 χ^2/NDF: 78.3/54

- sign -410.368+/-289.677 χ^2/NDF: 22.4/27



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 968.138+/-0.235 χ^2/NDF:303400.0/10

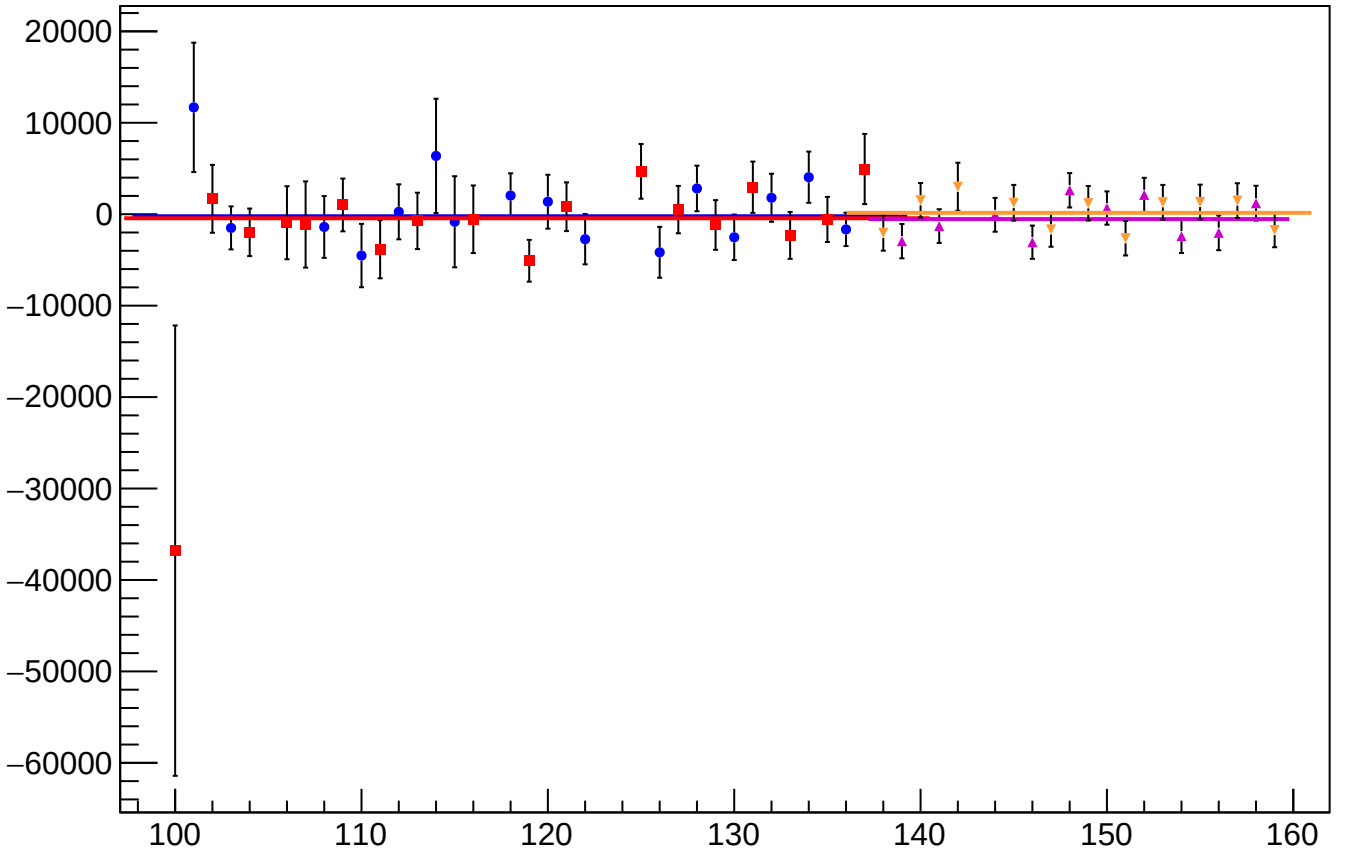
Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 975.670+/-0.236 χ^2/NDF:251853.2/9

+ sign 1085.960+/-0.201 χ^2/NDF: 2413900.4/26

All: 1095.243+/-0.143 χ^2/NDF: 4920200.7/54

- sign 1104.887+/-0.205 χ^2/NDF: 2501949.4/27



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

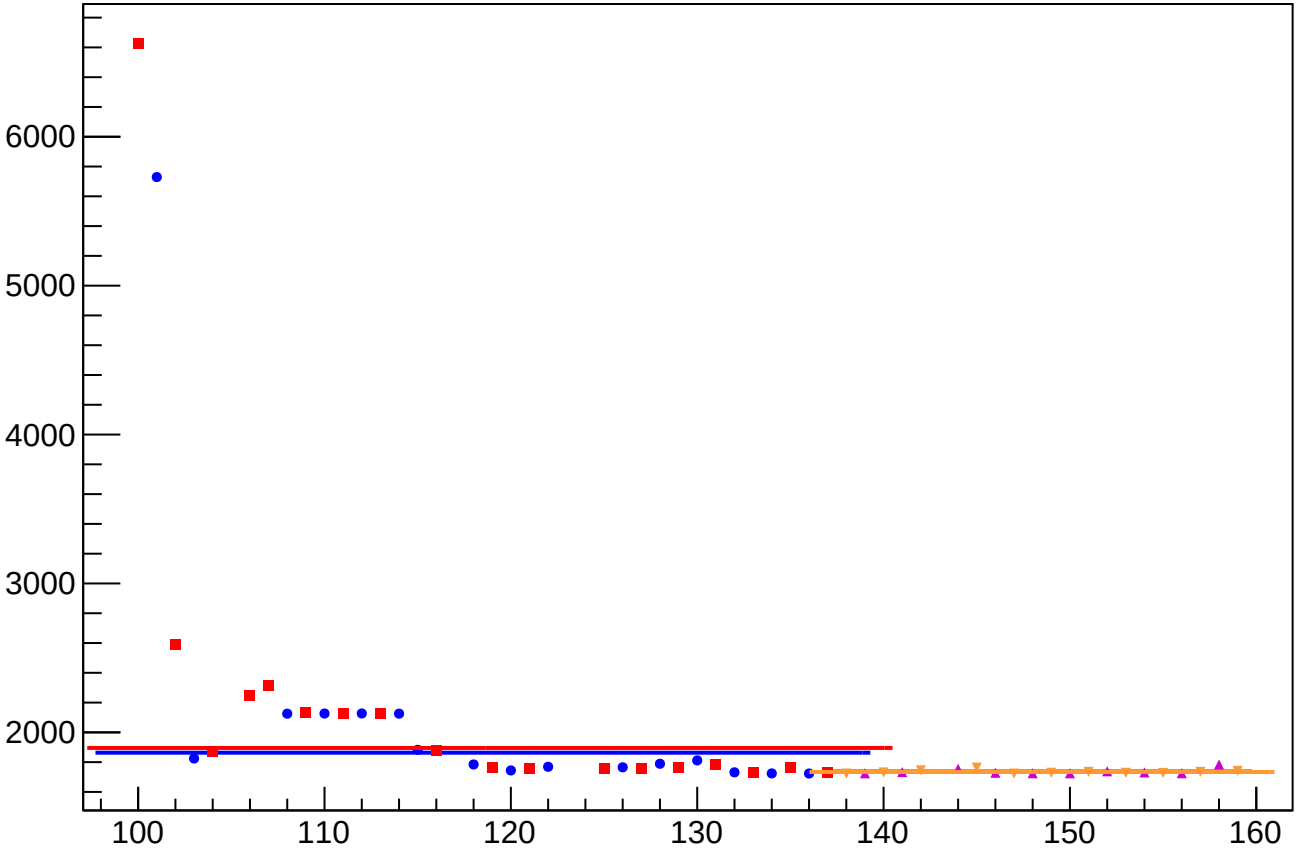
Left In: -534.603+/-588.172 χ^2/NDF:11.6/9

\+ sign -0.344+/-452.061 χ^2/NDF: 24.9/26

All: -248.011+/-320.248 χ^2/NDF: 52.9/54

\- sign -497.524+/-453.742 χ^2/NDF: 27.3/27

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

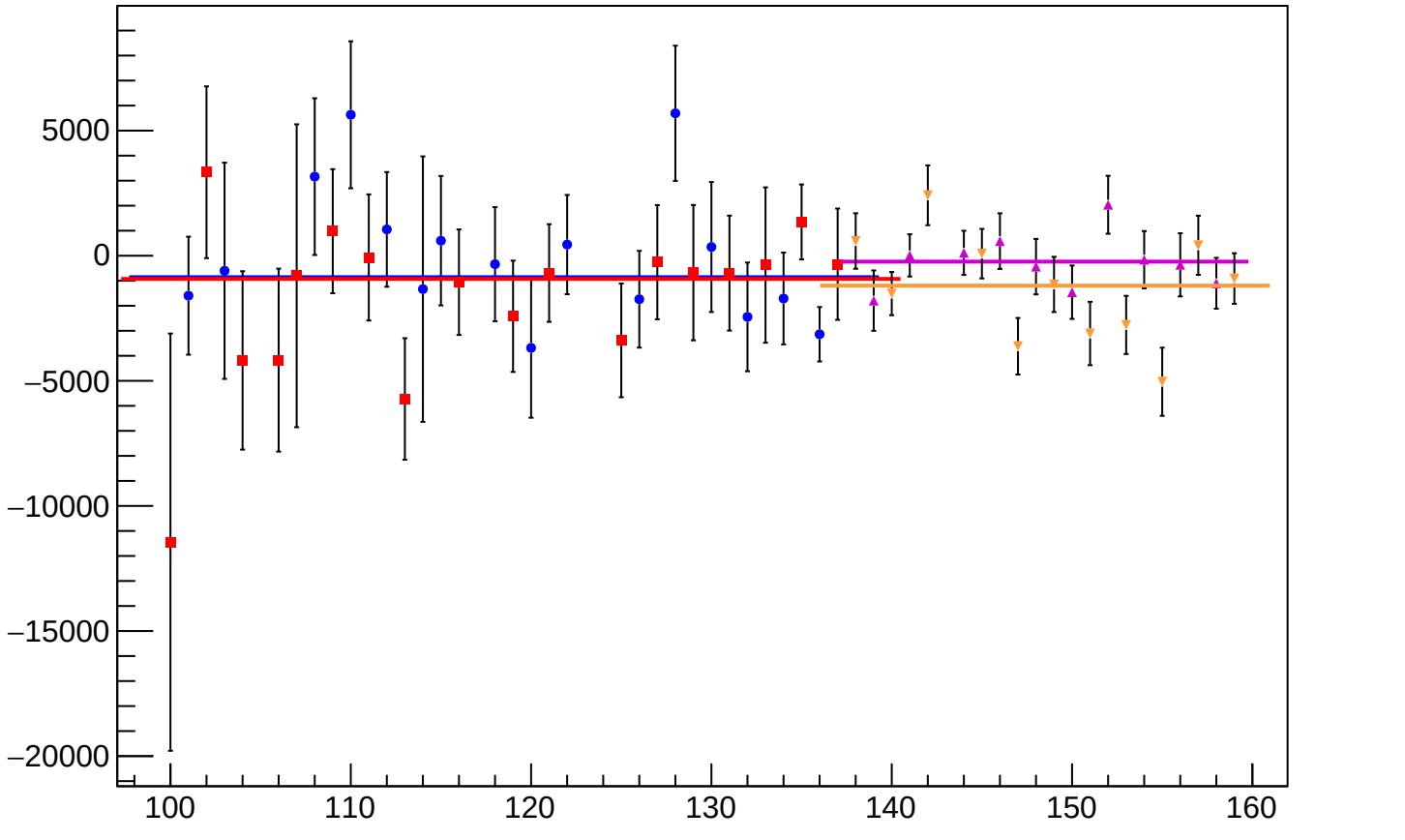
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

+ sign 1786.604+/-0.320 χ^2/NDF: 715059.4/26

All: 1793.944+/-0.226 χ^2/NDF: 1035704.3/54

- sign 1801.339+/-0.321 χ^2/NDF: 319586.5/27



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1195.051+/-331.985 χ^2/NDF:32.1/10

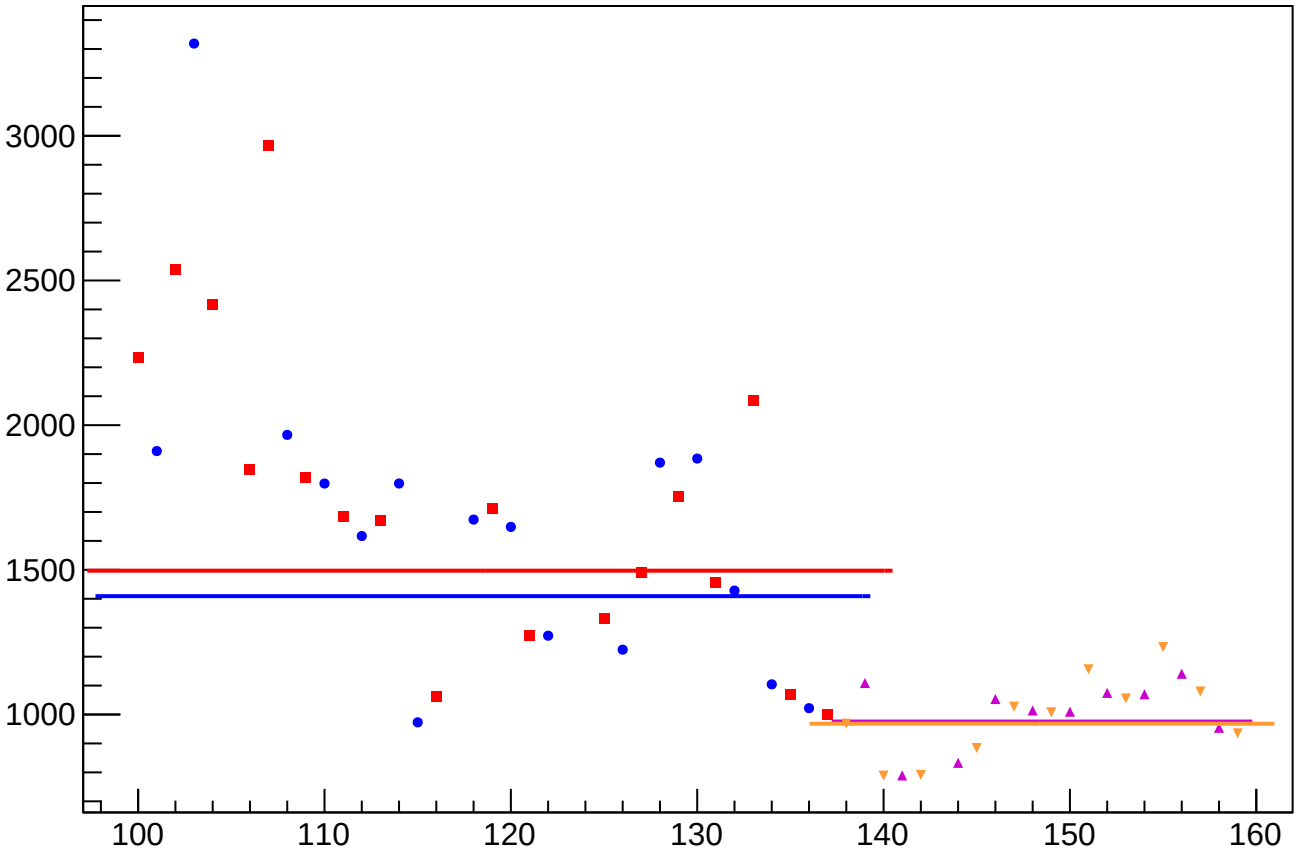
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -235.972+/-333.616 χ^2/NDF:8.4/9

+ sign -1105.013+/-284.187 χ^2/NDF: 53.0/26

All: -762.158+/-202.902 χ^2/NDF: 78.9/54

- sign -405.654+/-289.788 χ^2/NDF: 23.0/27



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

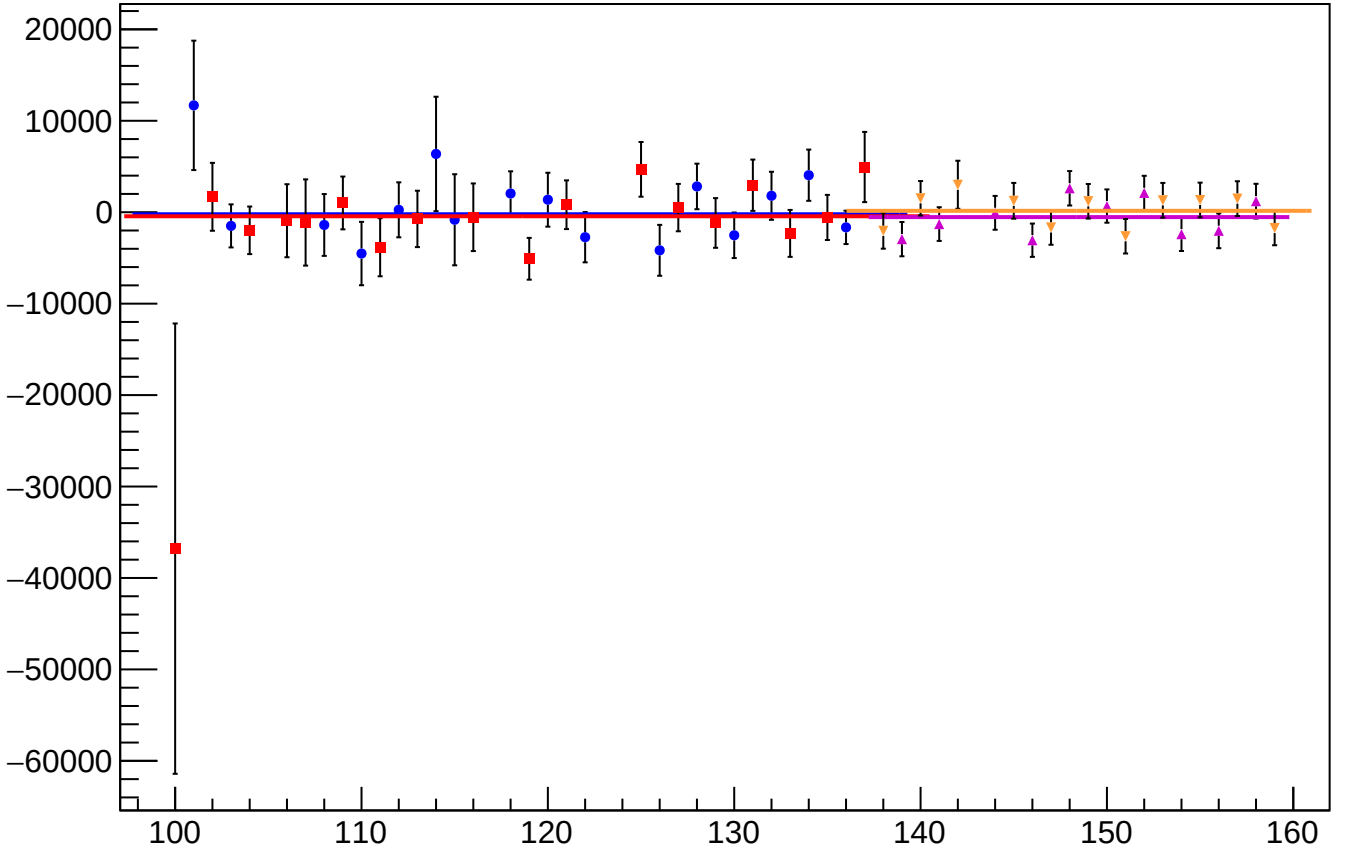
Left In: 975.666+/-0.236 χ^2/NDF:251869.1/9

+ sign 1085.953+/-0.201 χ^2/NDF: 2412998.3/26

All: 1094.644+/-0.143 χ^2/NDF: 4886405.4/54

- sign 1103.681+/-0.205 χ^2/NDF: 2469591.8/27

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 152.588+/-586.729 χ^2/NDF:8.9/10

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

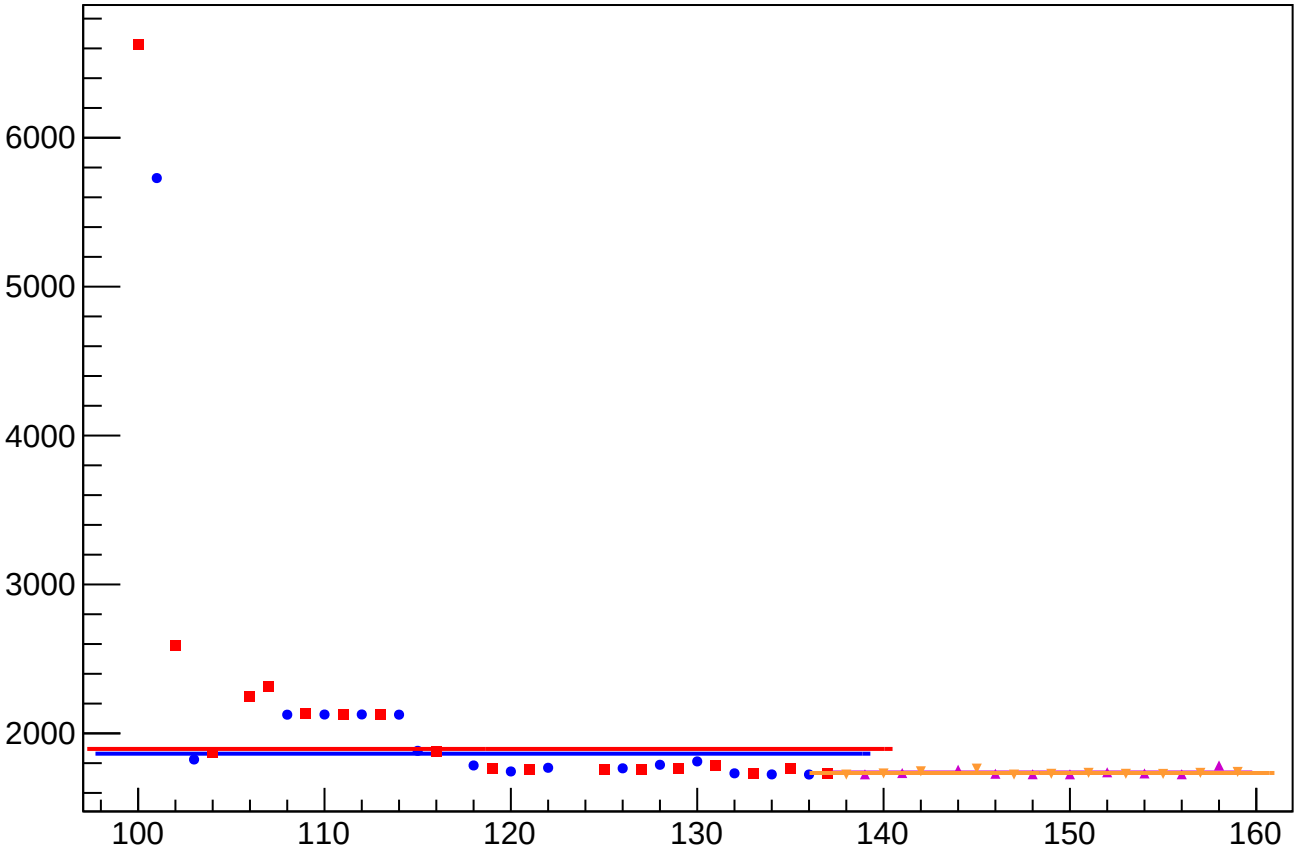
Left In: -534.603+/-588.172 χ^2/NDF:11.6/9

+ sign -0.344+/-452.061 χ^2/NDF: 24.9/26

All: -248.011+/-320.248 χ^2/NDF: 52.9/54

- sign -497.524+/-453.742 χ^2/NDF: 27.3/27

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

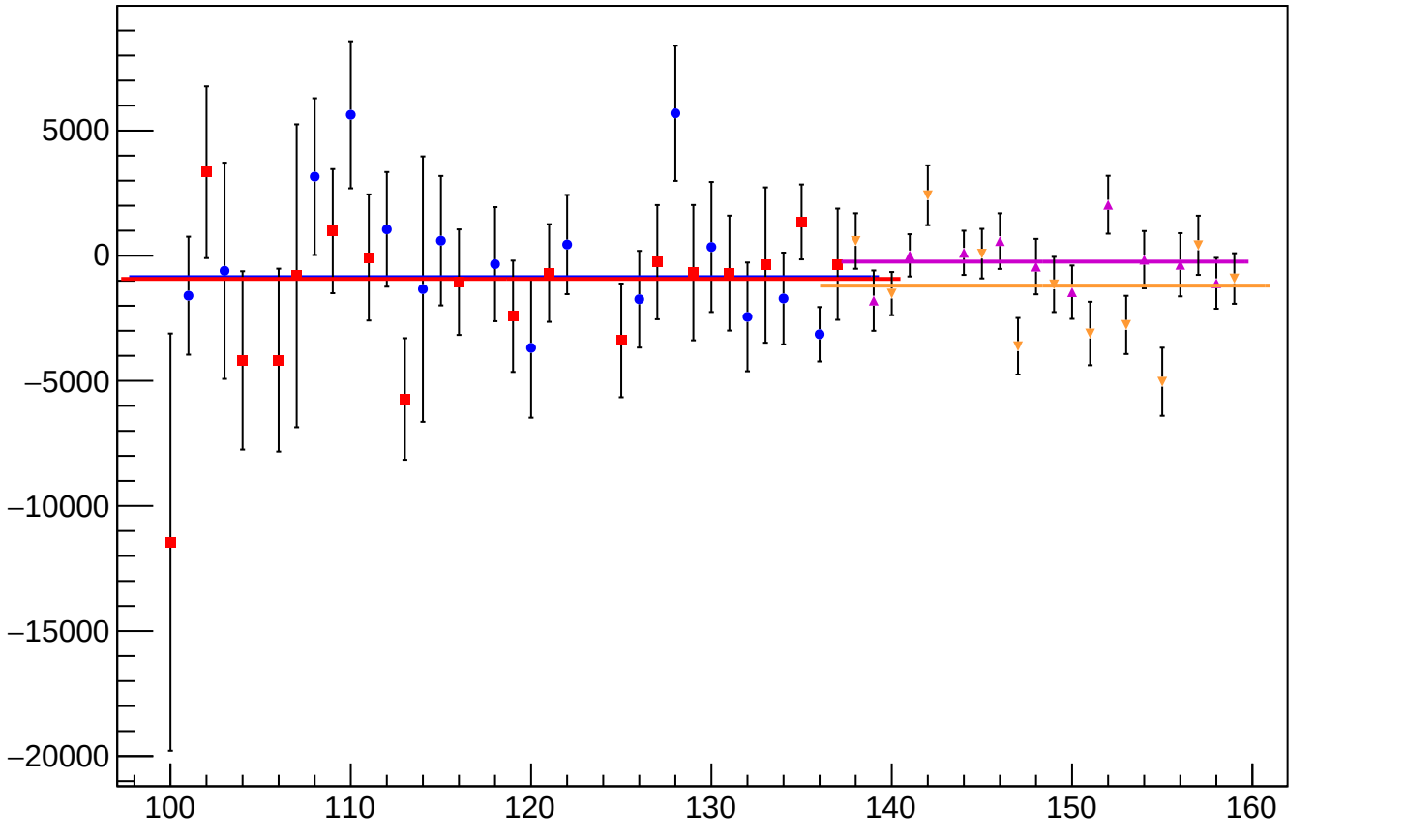
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1737.286+/-0.416 χ^2/NDF:1829.9/9

+ sign 1786.604+/-0.320 χ^2/NDF: 715059.4/26

All: 1793.944+/-0.226 χ^2/NDF: 1035704.3/54

- sign 1801.339+/-0.321 χ^2/NDF: 319586.5/27



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1195.051+/-331.985 χ^2/NDF:32.1/10

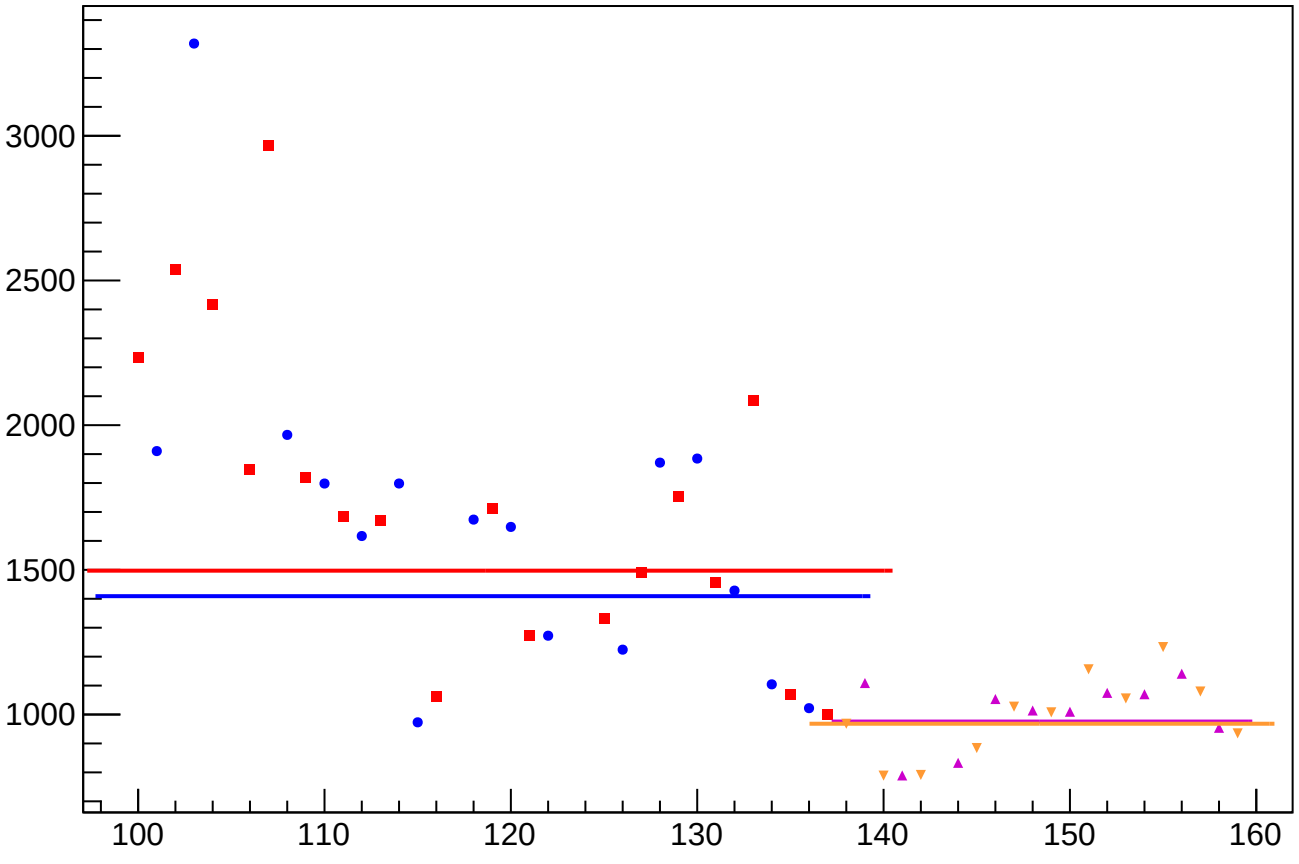
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -235.972+/-333.616 χ^2/NDF:8.4/9

+ sign -1105.013+/-284.187 χ^2/NDF: 53.0/26

All: -762.158+/-202.902 χ^2/NDF: 78.9/54

- sign -405.654+/-289.788 χ^2/NDF: 23.0/27



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

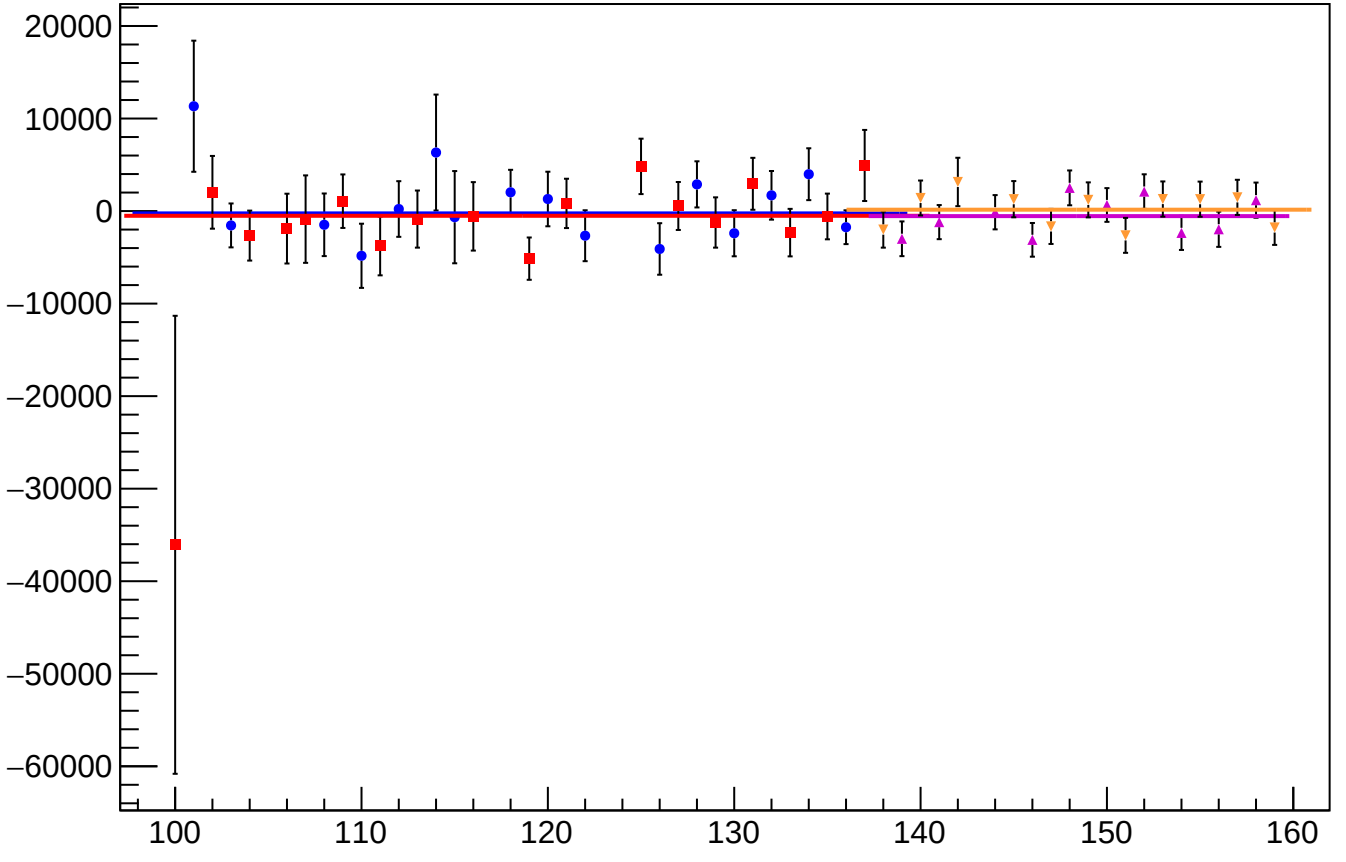
Left In: 975.666+/-0.236 χ^2/NDF:251869.1/9

+ sign 1085.953+/-0.201 χ^2/NDF: 2412998.3/26

All: 1094.644+/-0.143 χ^2/NDF: 4886405.4/54

- sign 1103.681+/-0.205 χ^2/NDF: 2469591.8/27

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

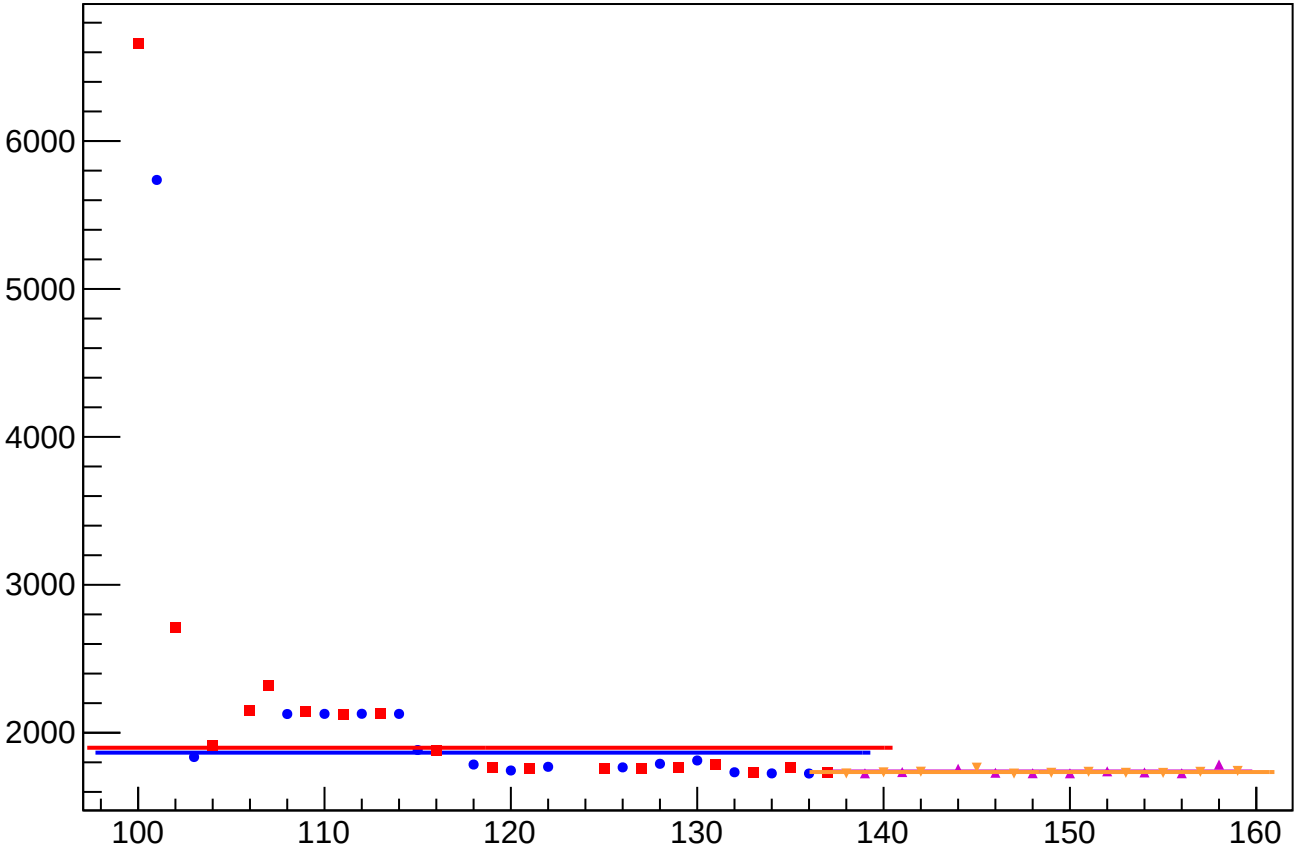
Left In: -545.822+/-588.450 χ^2/NDF:11.3/9

+ sign -14.003+/-452.356 χ^2/NDF: 24.8/26

All: -271.501+/-320.610 χ^2/NDF: 53.1/54

- sign -531.414+/-454.472 χ^2/NDF: 27.7/27

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

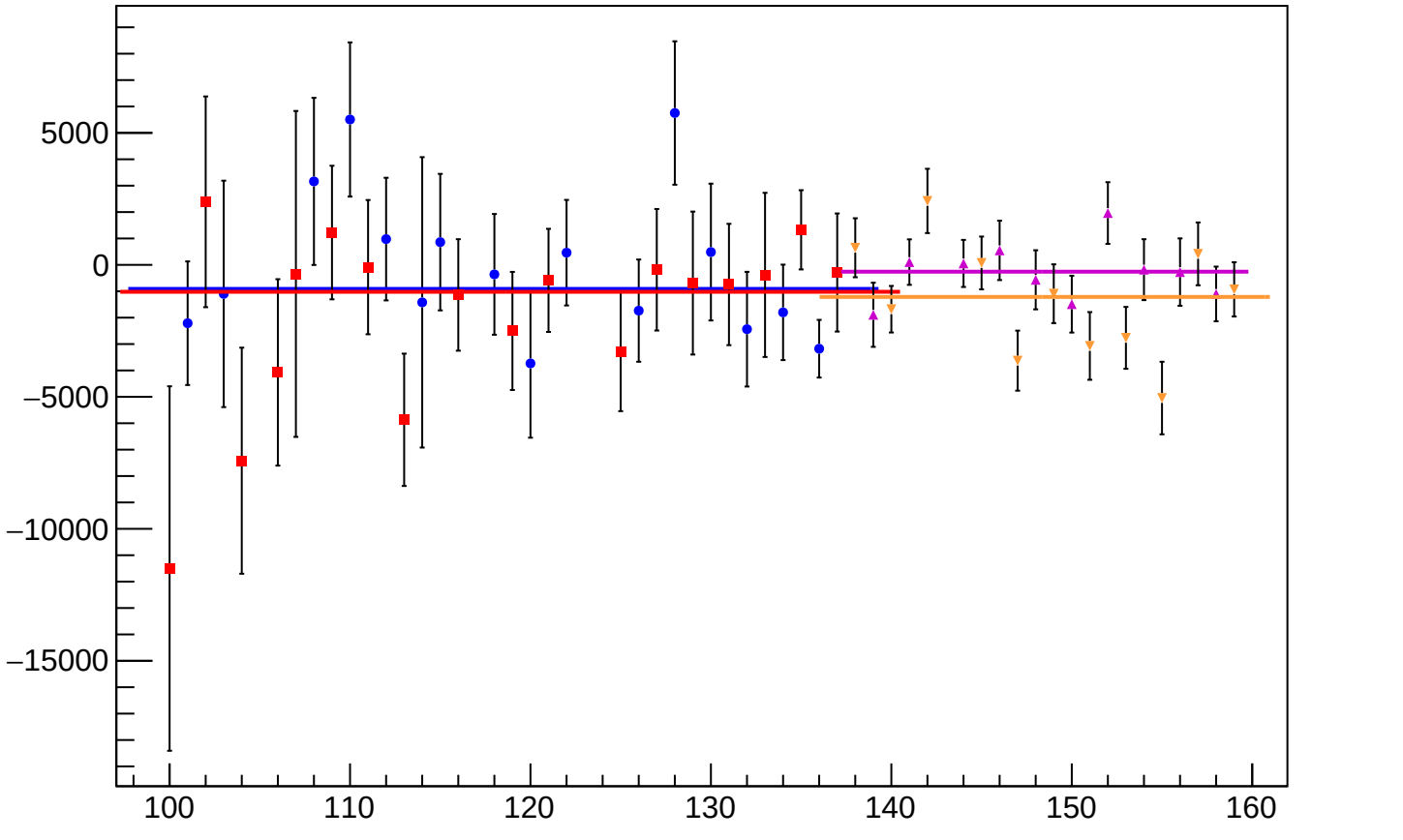
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1738.105+/-0.416 χ^2/NDF:1826.1/9

+ sign 1787.589+/-0.320 χ^2/NDF: 716122.1/26

All: 1795.193+/-0.227 χ^2/NDF: 1048230.5/54

- sign 1802.869+/-0.321 χ^2/NDF: 330972.6/27



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

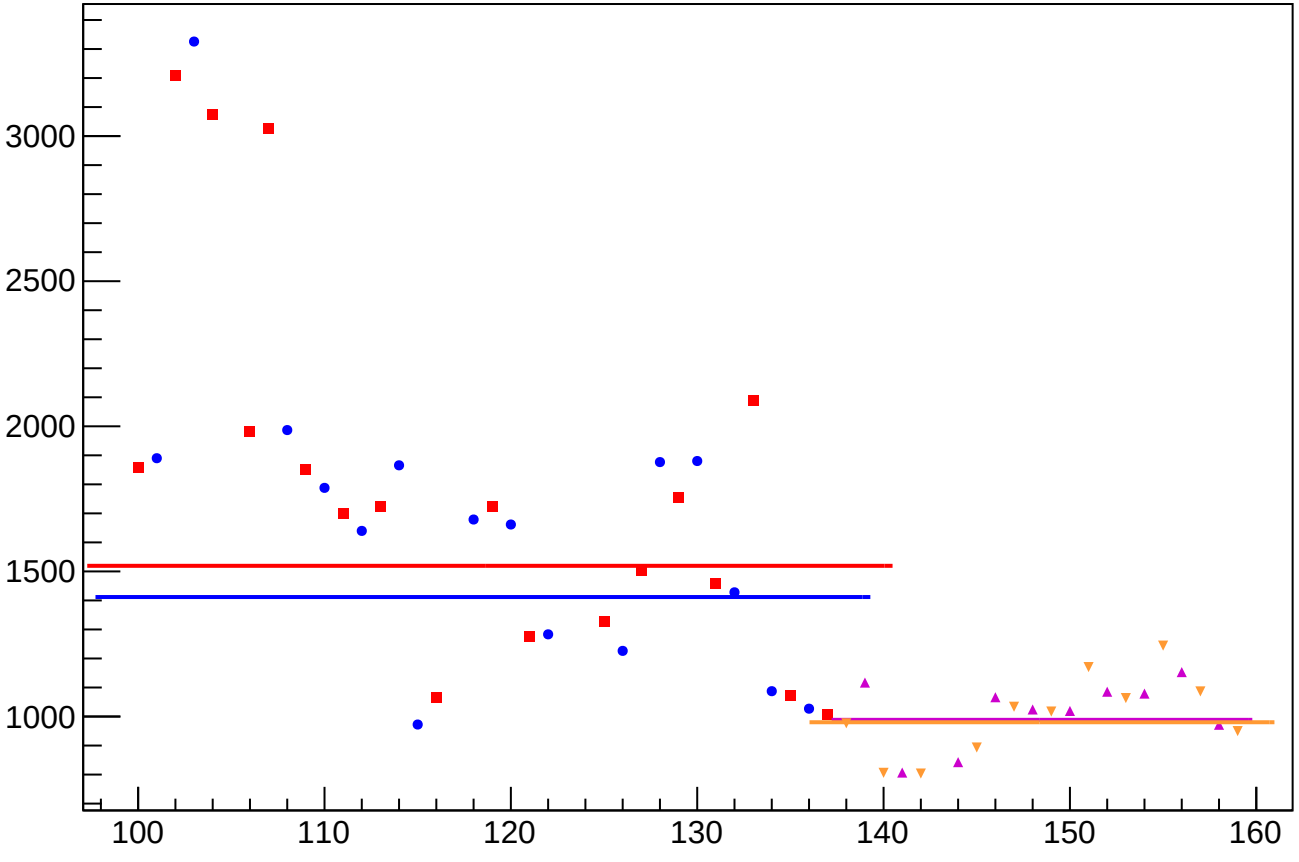
Left In: -258.712+/-337.811 χ^2/NDF:8.3/9

+ sign -1132.270+/-286.815 χ^2/NDF: 52.9/26

All: -796.836+/-205.082 χ^2/NDF: 80.2/54

- sign -445.931+/-293.355 χ^2/NDF: 24.5/27

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 980.308+/-0.238 χ^2/NDF:287562.1/10

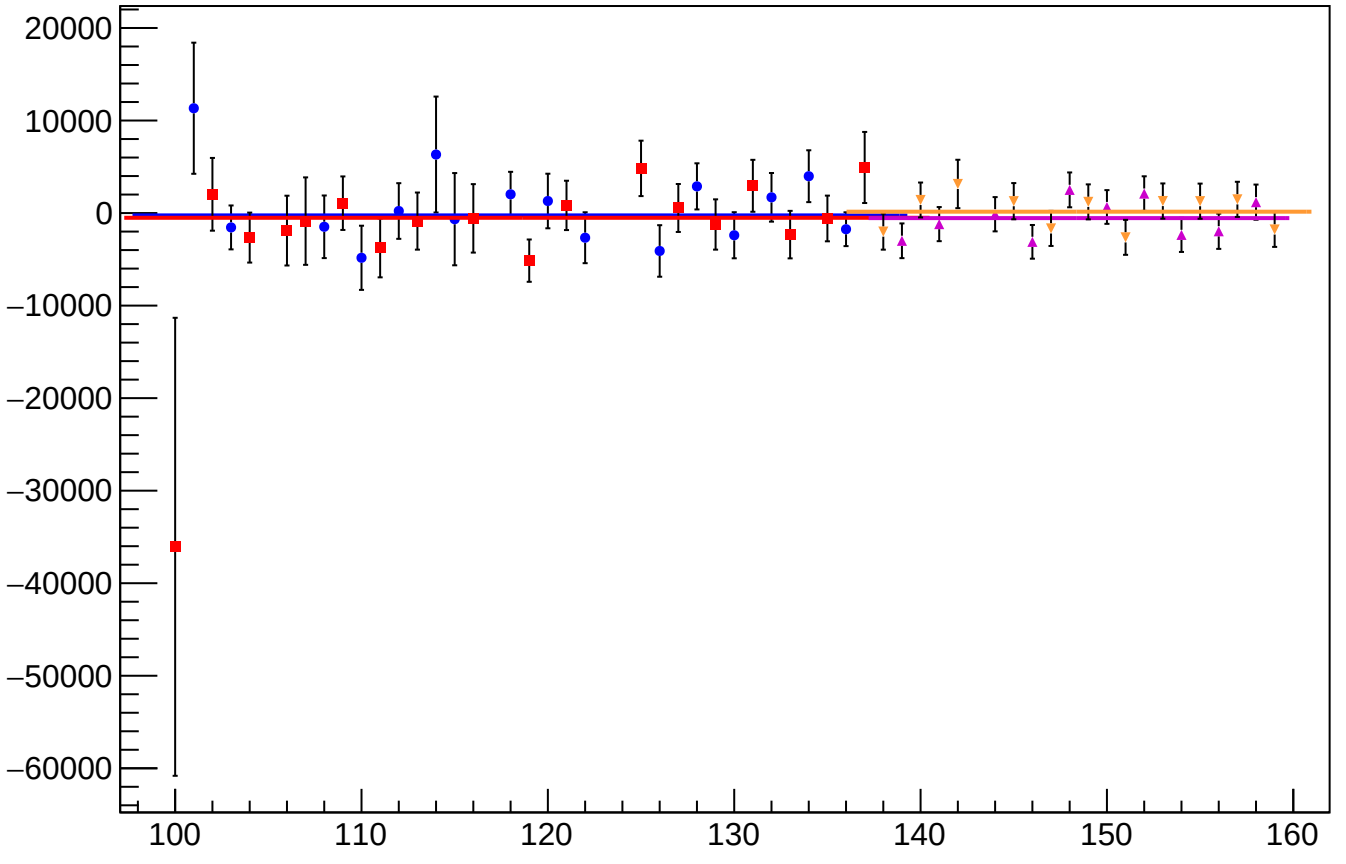
Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 988.581+/-0.239 χ^2/NDF:237720.2/9

+ sign 1097.279+/-0.203 χ^2/NDF: 2359609.4/26

All: 1107.933+/-0.145 χ^2/NDF: 5176925.6/54

- sign 1119.078+/-0.207 χ^2/NDF: 2811669.9/27



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 148.653+/-586.909 χ^2/NDF:9.0/10

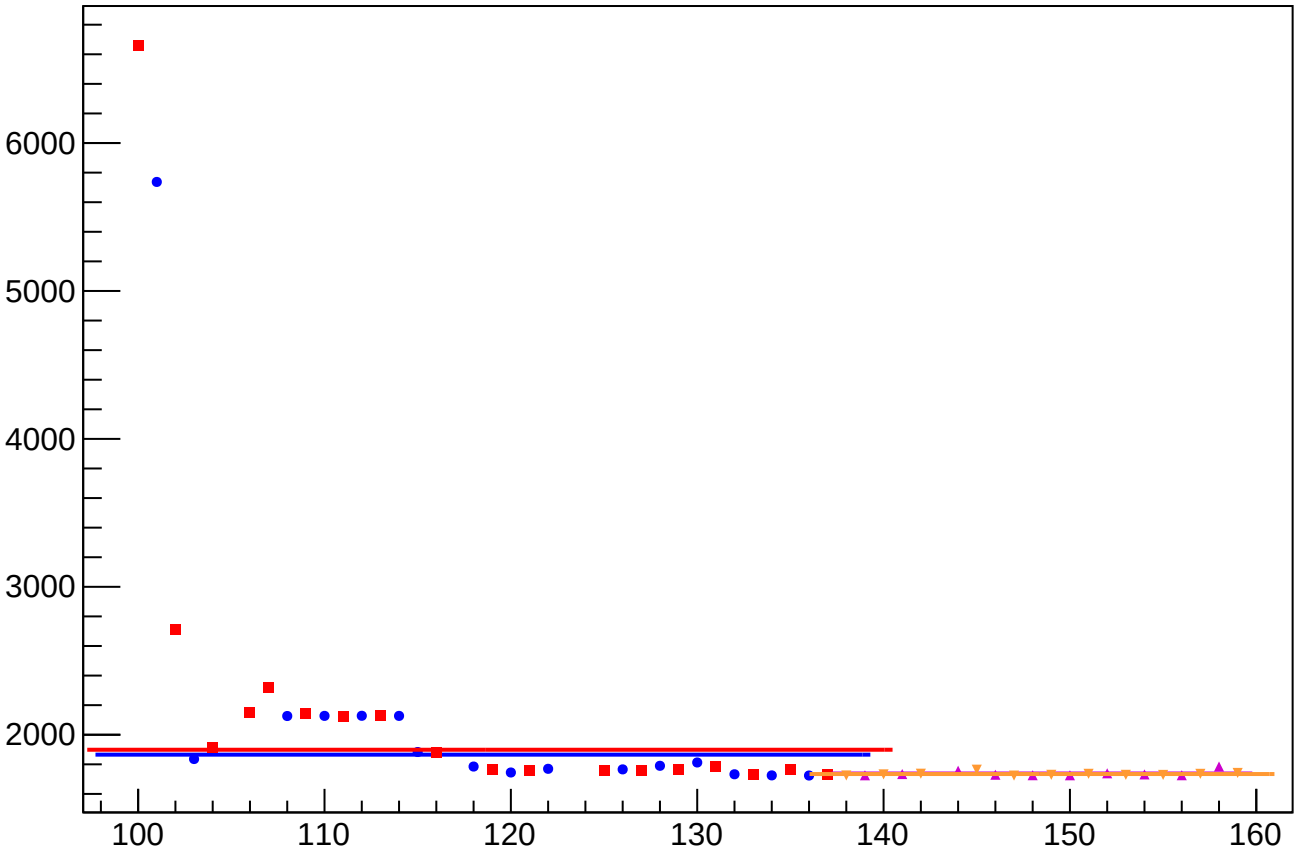
Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: -545.822+/-588.450 χ^2/NDF:11.3/9

+ sign -14.003+/-452.356 χ^2/NDF: 24.8/26

All: -271.502+/-320.610 χ^2/NDF: 53.1/54

- sign -531.414+/-454.472 χ^2/NDF: 27.7/27



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.387+/-0.415 χ^2/NDF:650.9/10

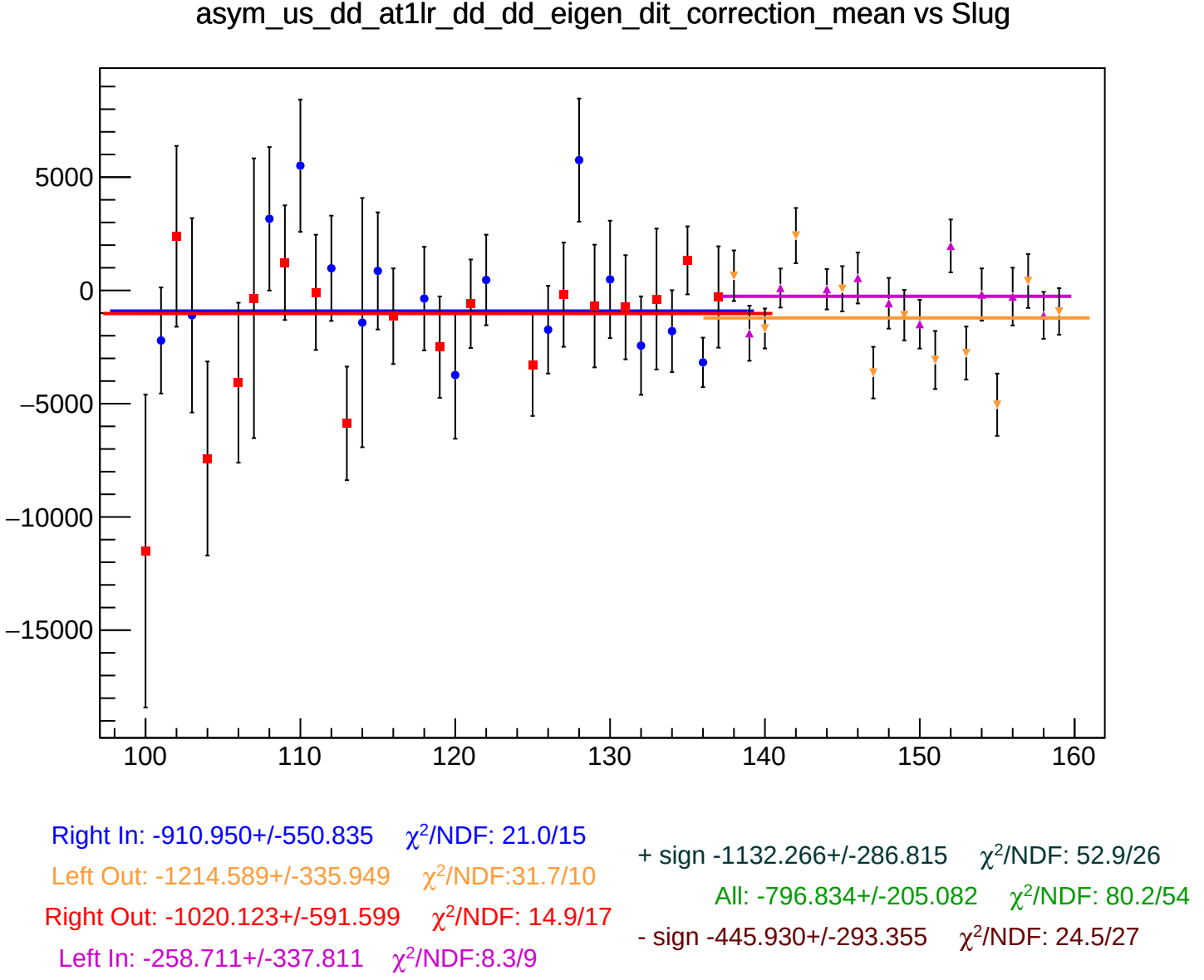
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

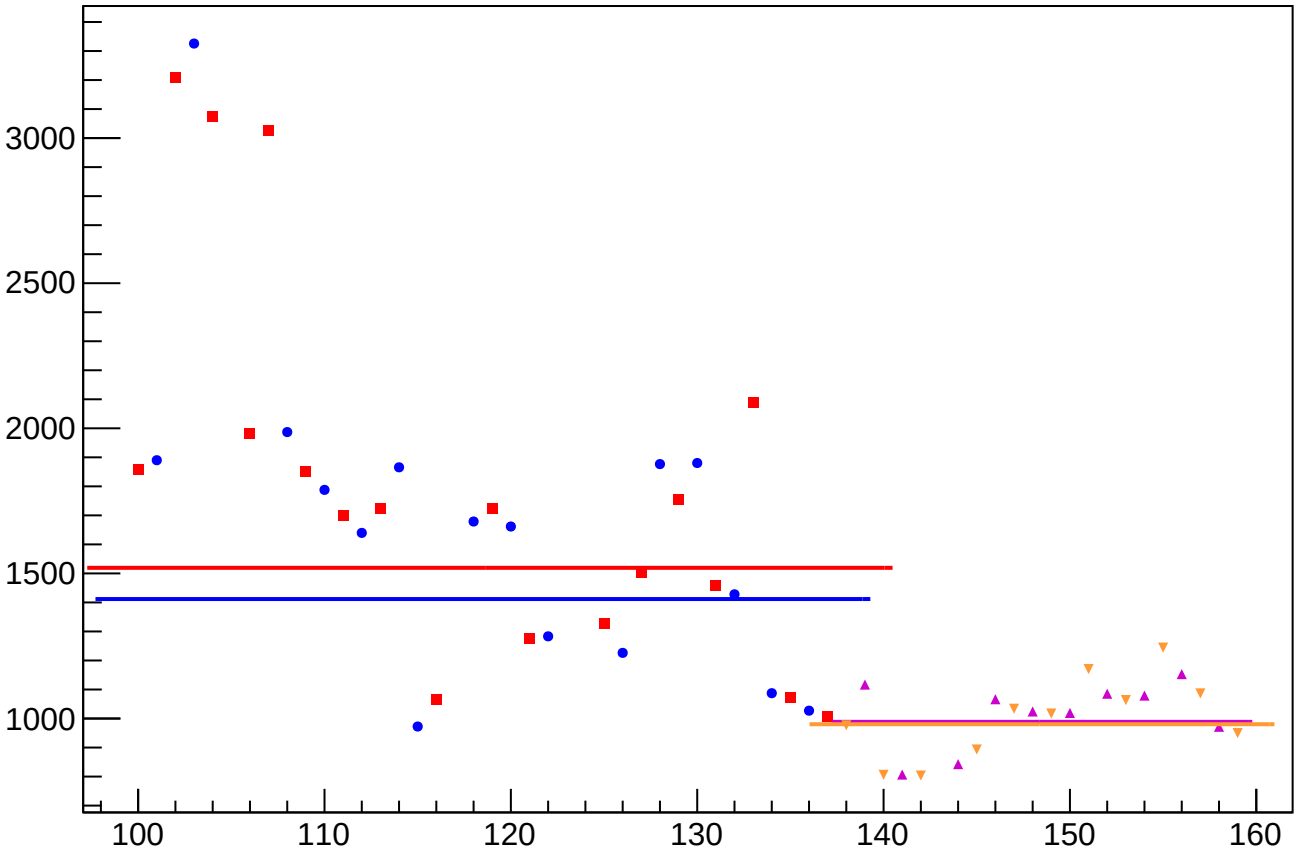
Left In: 1738.105+/-0.416 χ^2/NDF:1826.1/9

+ sign 1787.589+/-0.320 χ^2/NDF: 716122.1/26

All: 1795.193+/-0.227 χ^2/NDF: 1048230.2/54

- sign 1802.869+/-0.321 χ^2/NDF: 330972.3/27


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: -258.711+/-337.811 χ²/NDF:8.3/9
+ sign -1132.266+/-286.815 χ²/NDF: 52.9/26
All: -796.834+/-205.082 χ²/NDF: 80.2/54
- sign -445.930+/-293.355 χ²/NDF: 24.5/27



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 980.307+/-0.238 χ^2/NDF:287572.0/10

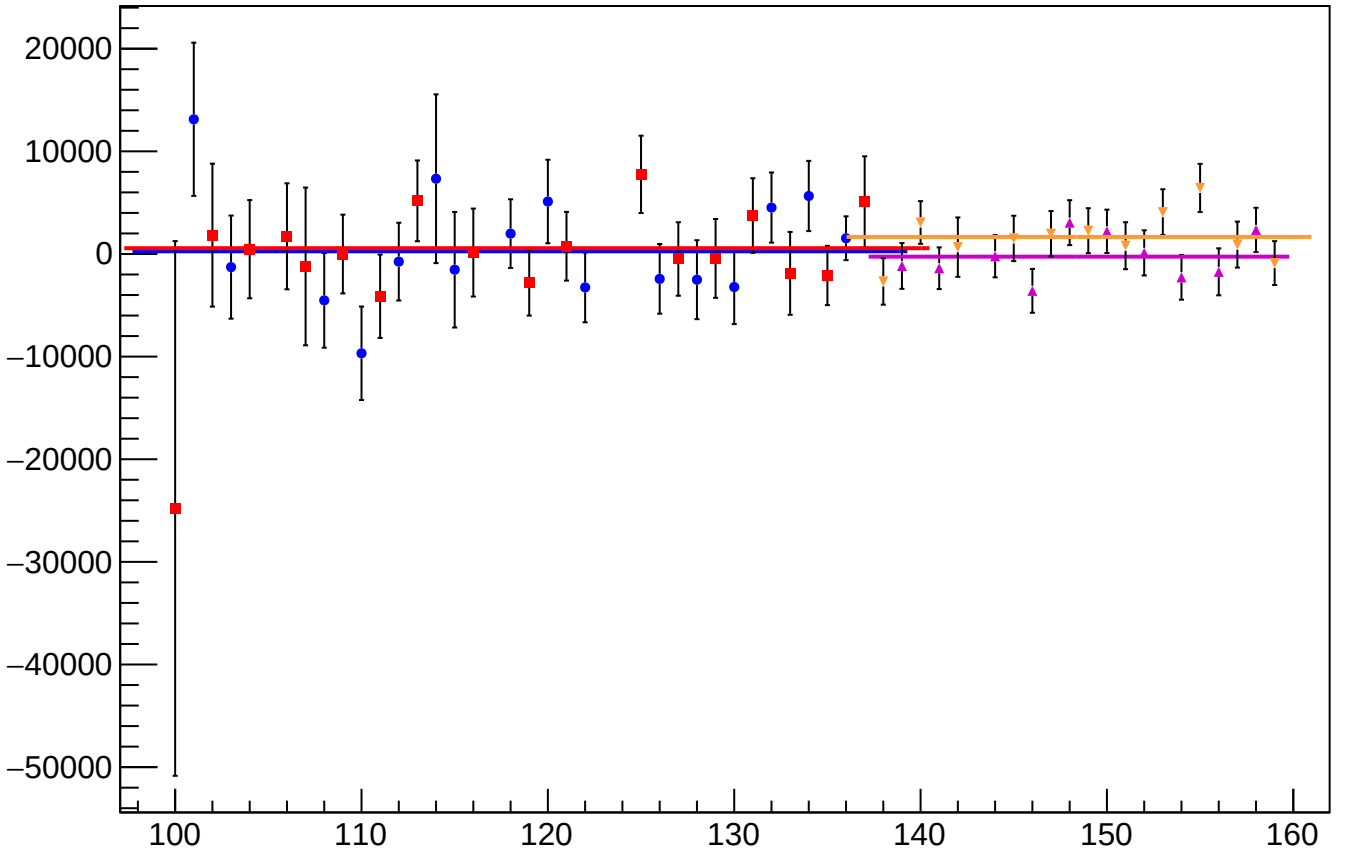
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 988.581+/-0.239 χ^2/NDF:237728.2/9

+ sign 1097.278+/-0.203 χ^2/NDF: 2359611.7/26

All: 1107.932+/-0.145 χ^2/NDF: 5176931.1/54

- sign 1119.078+/-0.207 χ^2/NDF: 2811672.7/27



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

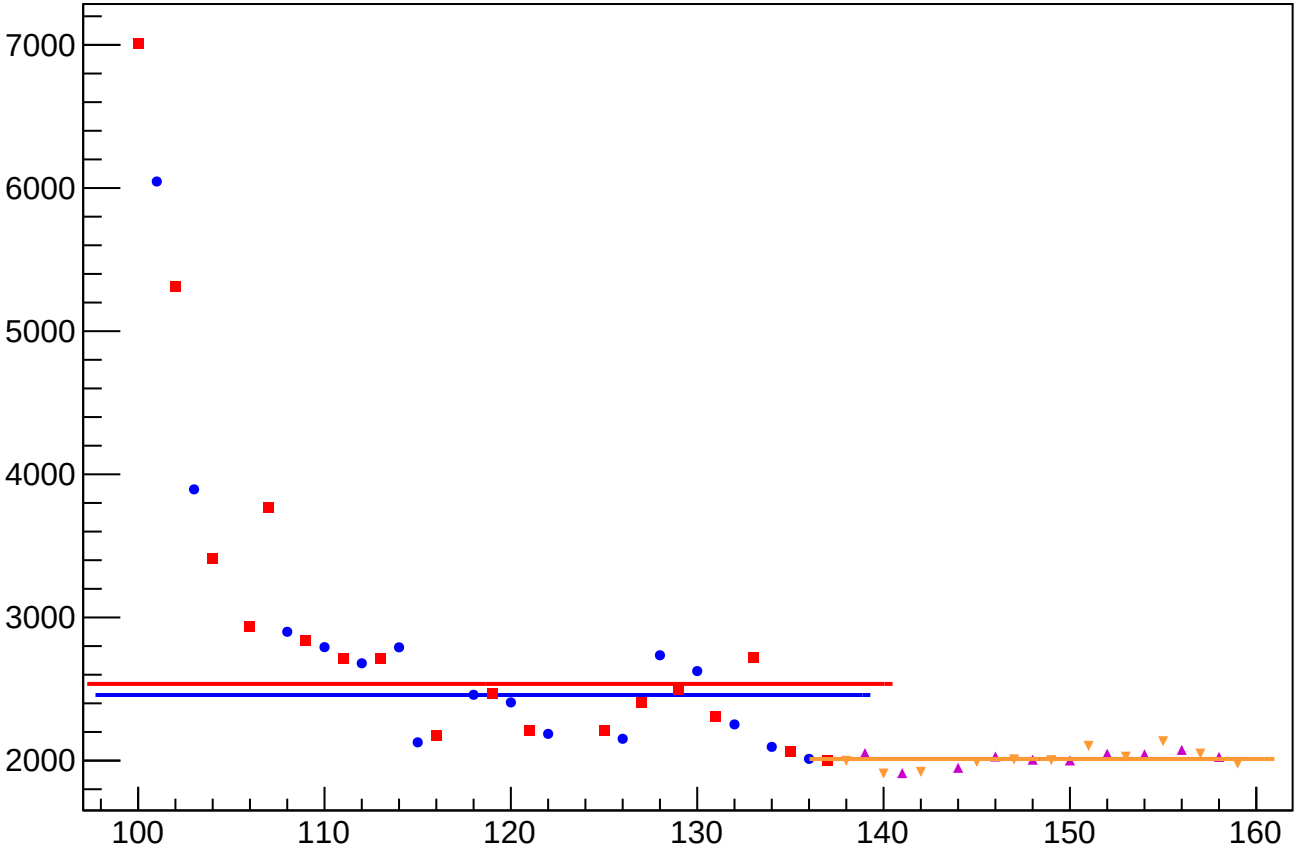
Left In: -261.890+/-681.286 χ^2/NDF:9.3/9

\+ sign 1181.550+/-551.886 χ^2/NDF: 31.8/26

All: 601.586+/-391.746 χ^2/NDF: 55.6/54

\- sign 12.599+/-556.163 χ^2/NDF: 21.6/27

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

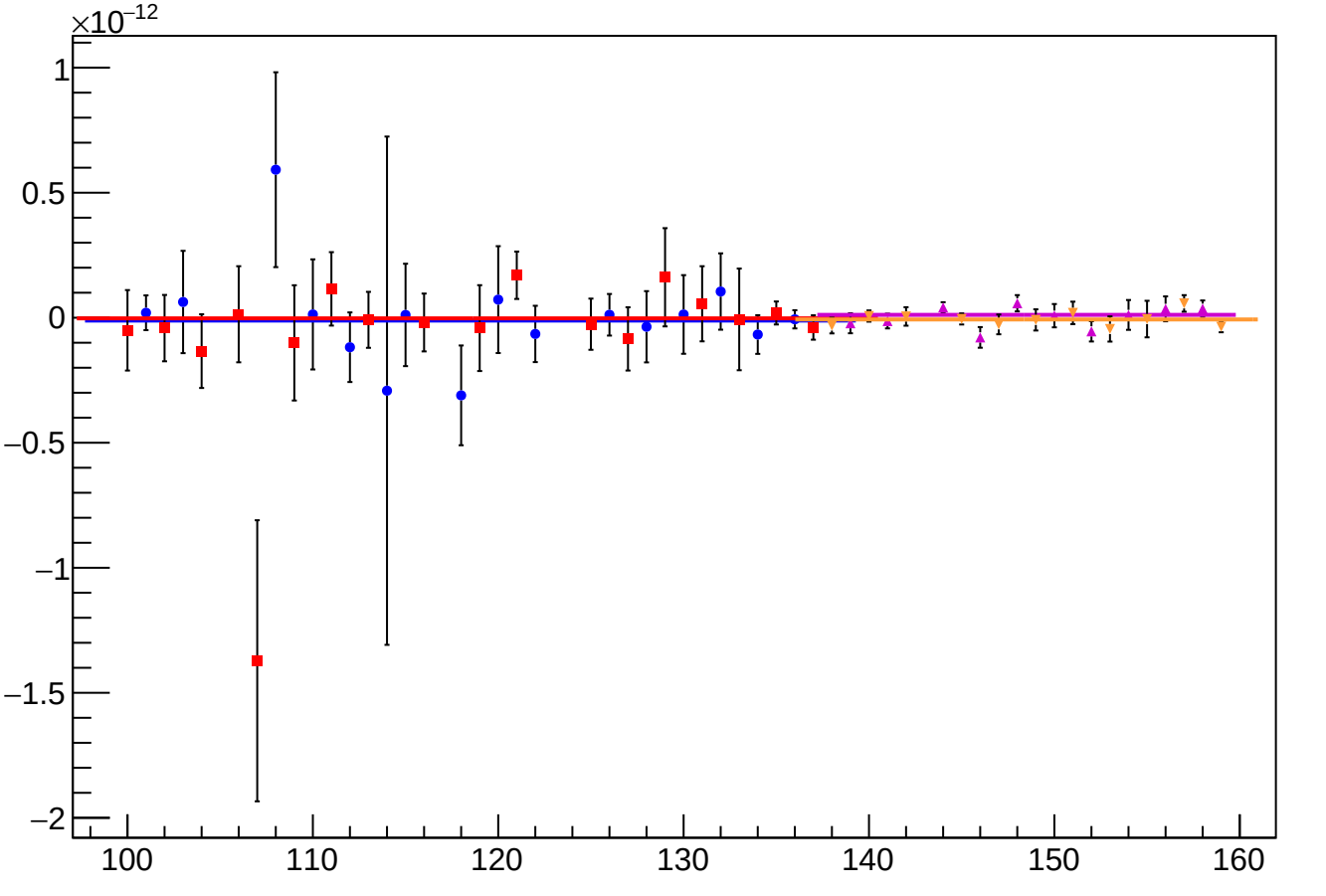
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2011.504+/-0.482 χ^2/NDF:10020.5/9

+ sign 2164.586+/-0.390 χ^2/NDF: 1145914.5/26

All: 2175.406+/-0.277 χ^2/NDF: 2225916.2/54

- sign 2186.395+/-0.393 χ^2/NDF: 1078452.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/10

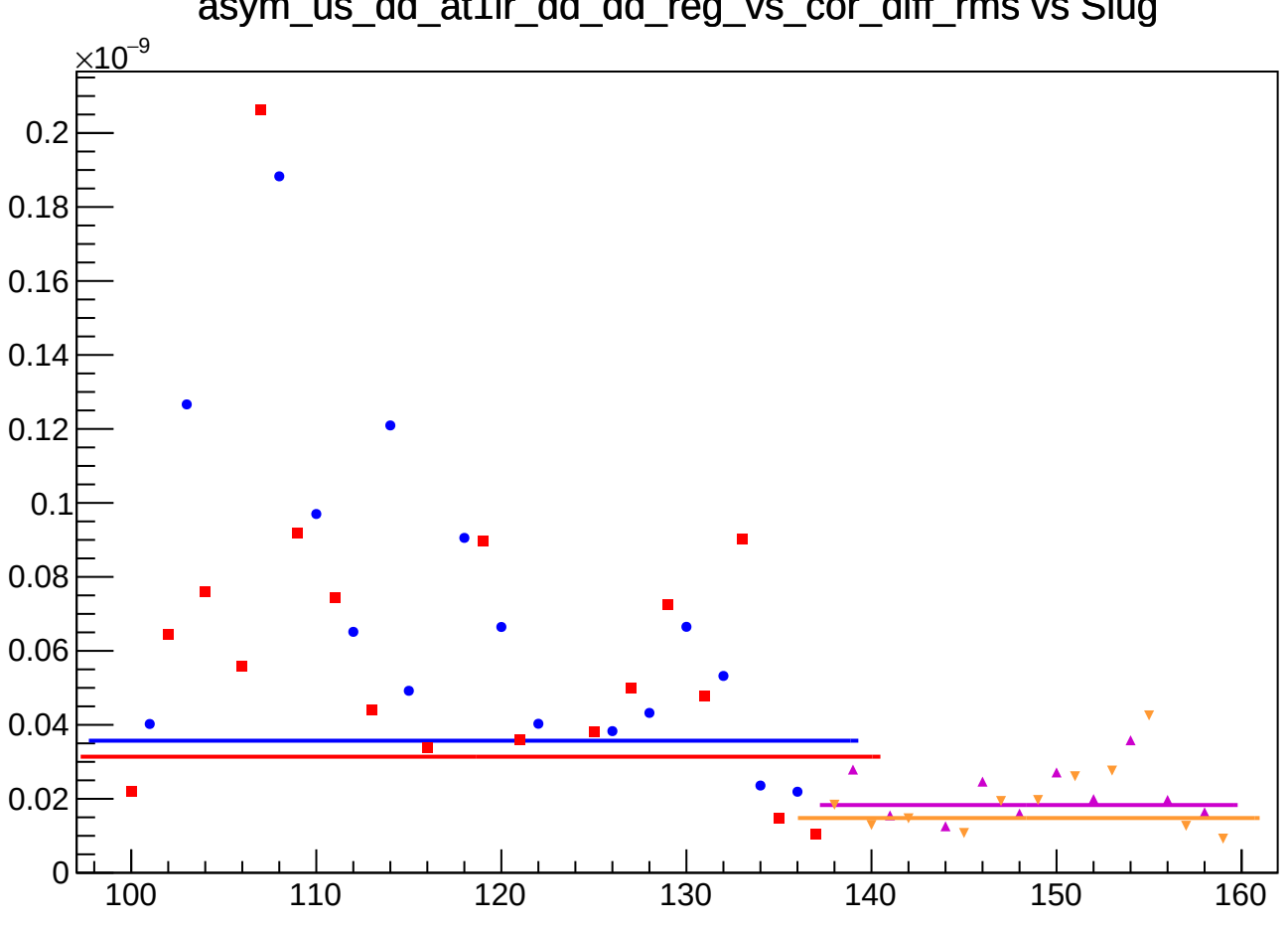
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 15.0/26

All: -0.000+/-0.000 χ^2/NDF: 43.7/54

- sign 0.000+/-0.000 χ^2/NDF: 27.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:837604.8/10

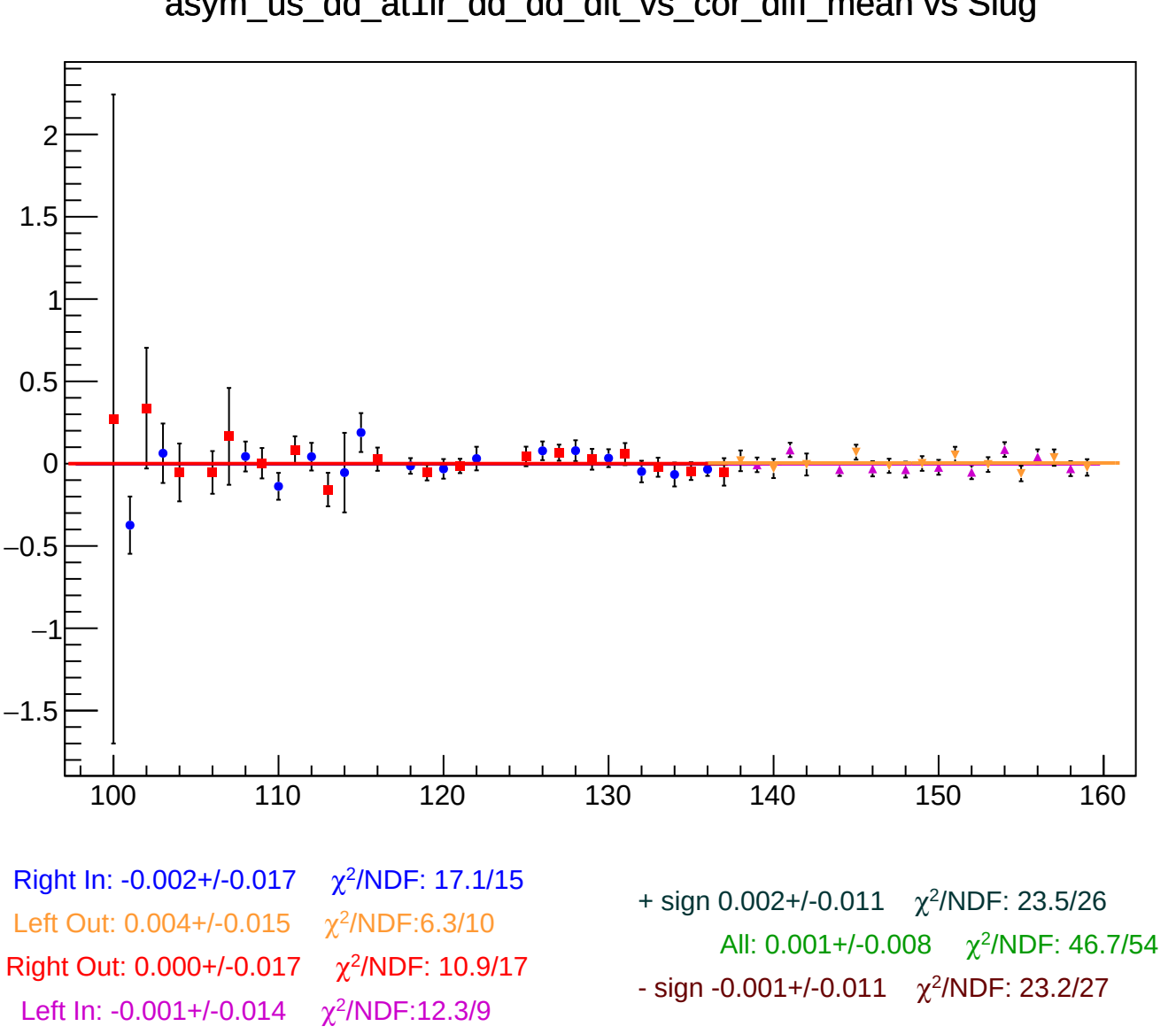
Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:595622.3/9

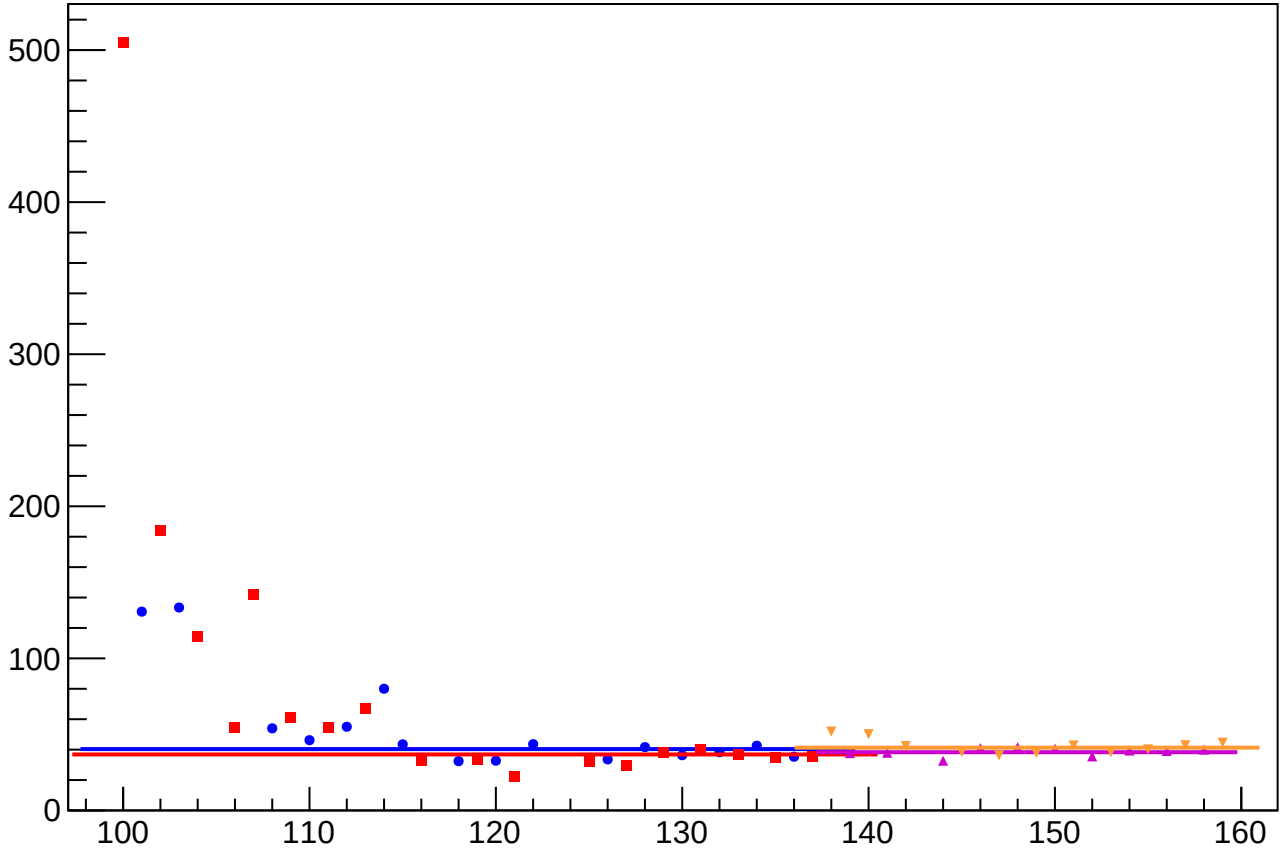
+ sign 0.000+/-0.000 χ^2/NDF: 3718900.1/26

All: 0.000+/-0.000 χ^2/NDF: 6959405.5/54

- sign 0.000+/-0.000 χ^2/NDF: 3141835.9/27


asym_us_dd_at1lr_dd_dd_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+/-0.014 χ²/NDF:12.3/9
+ sign 0.002+/-0.011 χ²/NDF: 23.5/26
All: 0.001+/-0.008 χ²/NDF: 46.7/54
- sign -0.001+/-0.011 χ²/NDF: 23.2/27

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

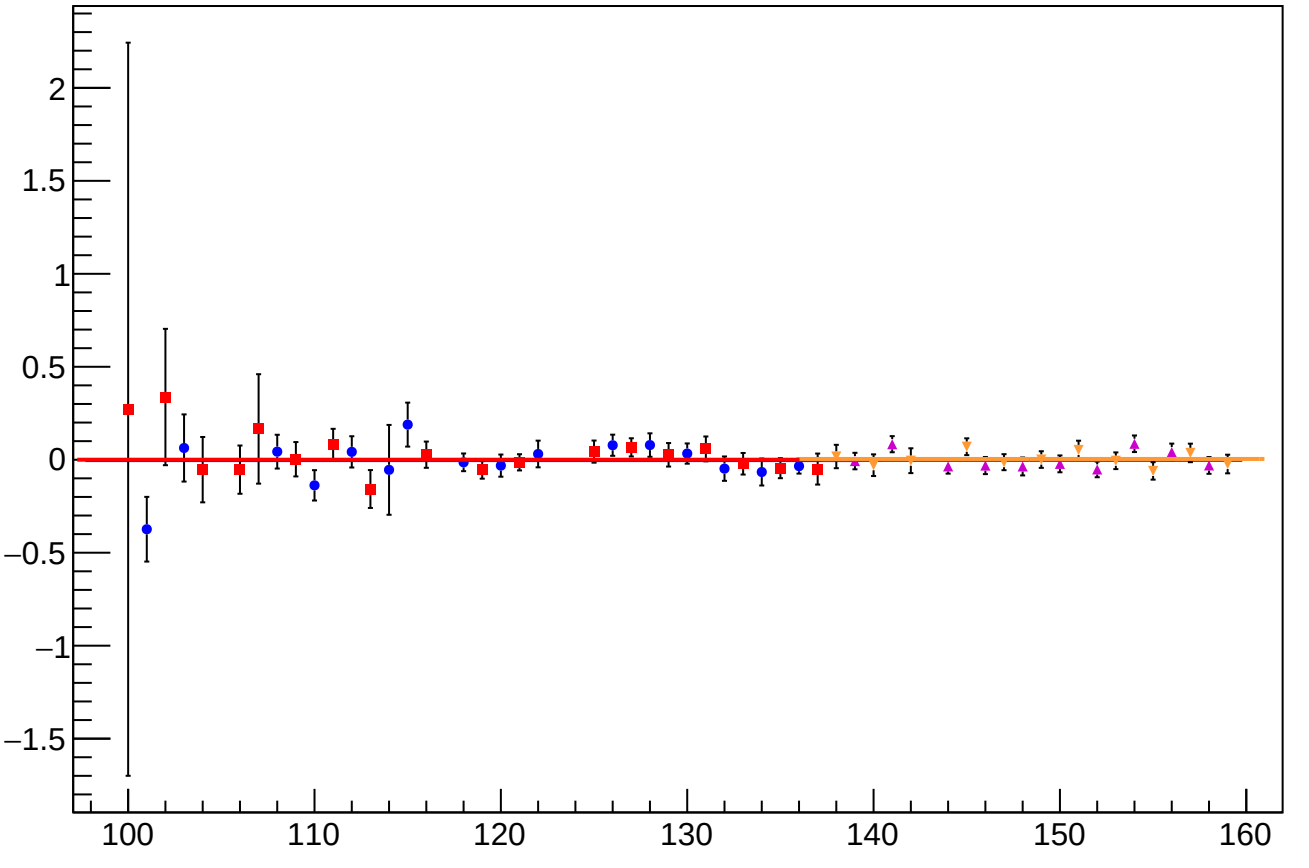
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.291+/-0.010 χ^2/NDF:76315.5/9

+ sign 40.891+/-0.008 χ^2/NDF: 1586712.0/26

All: 39.208+/-0.005 χ^2/NDF: 3594319.6/54

- sign 37.686+/-0.008 χ^2/NDF: 1922530.3/27



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.015 χ^2/NDF:6.3/10

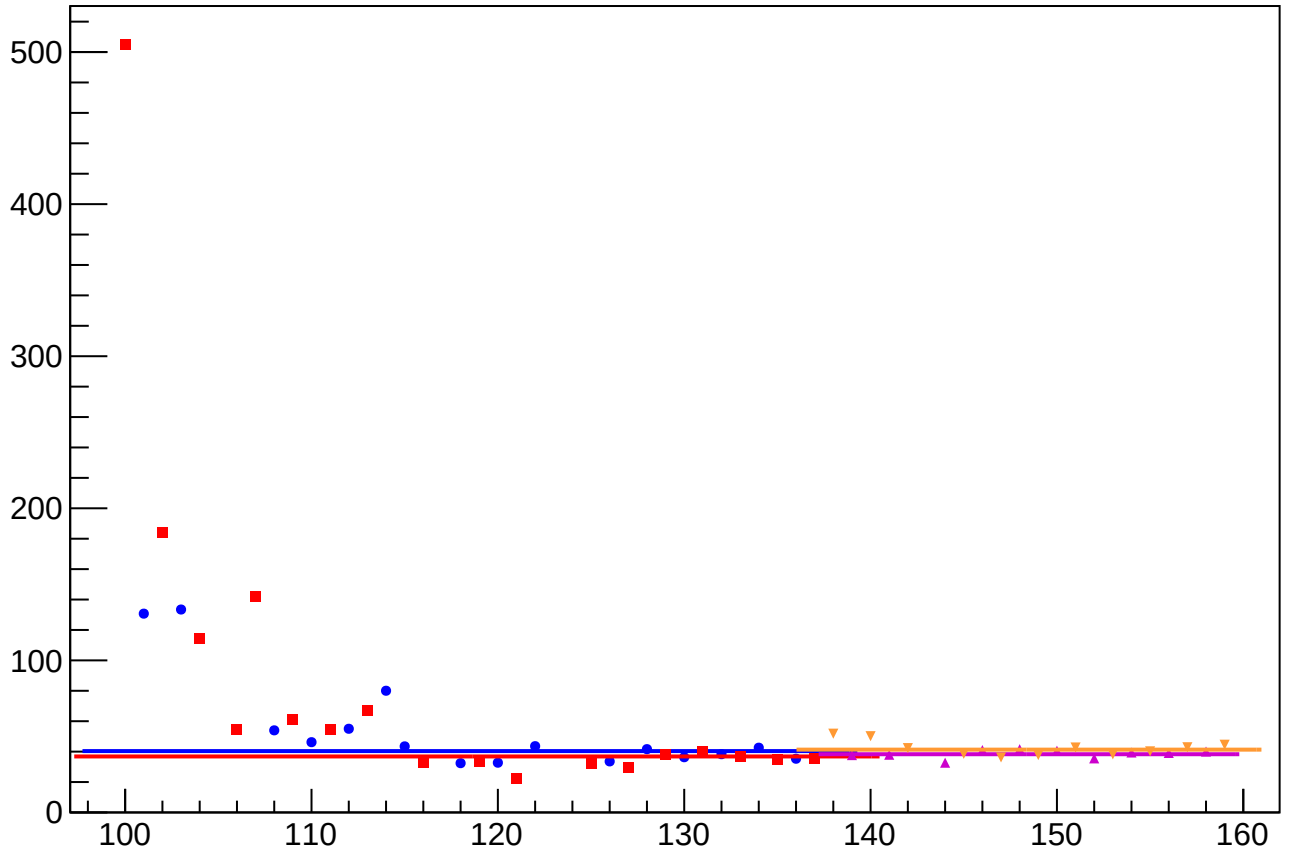
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.014 χ^2/NDF:12.3/9

+ sign 0.002+/-0.011 χ^2/NDF: 23.5/26

All: 0.001+/-0.008 χ^2/NDF: 46.7/54

- sign -0.001+/-0.011 χ^2/NDF: 23.2/27



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.305+/-0.011 χ^2/NDF:173051.1/10

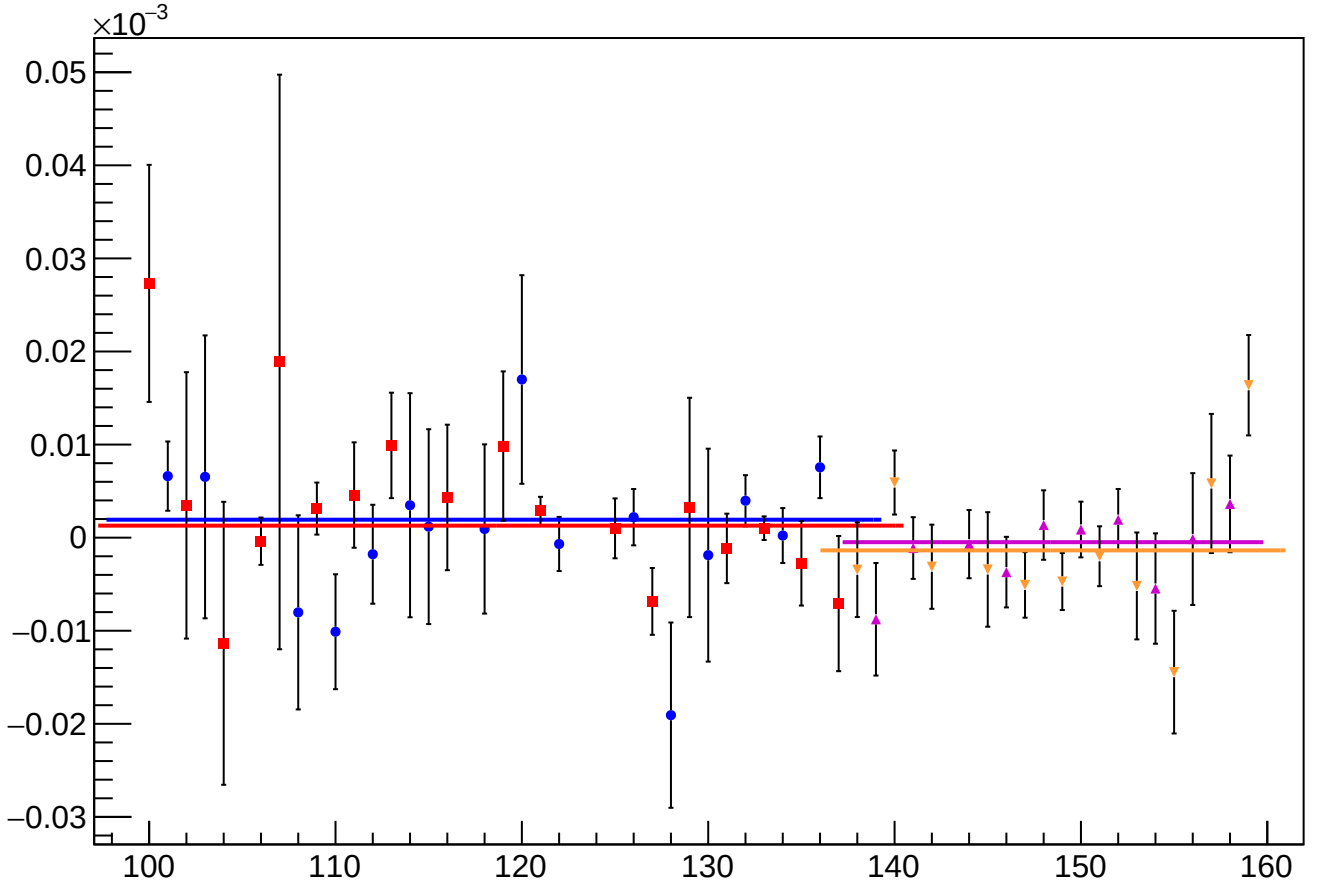
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.291+/-0.010 χ^2/NDF:76315.5/9

+ sign 40.891+/-0.008 χ^2/NDF: 1586712.0/26

All: 39.208+/-0.005 χ^2/NDF: 3594319.6/54

- sign 37.686+/-0.008 χ^2/NDF: 1922530.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/10

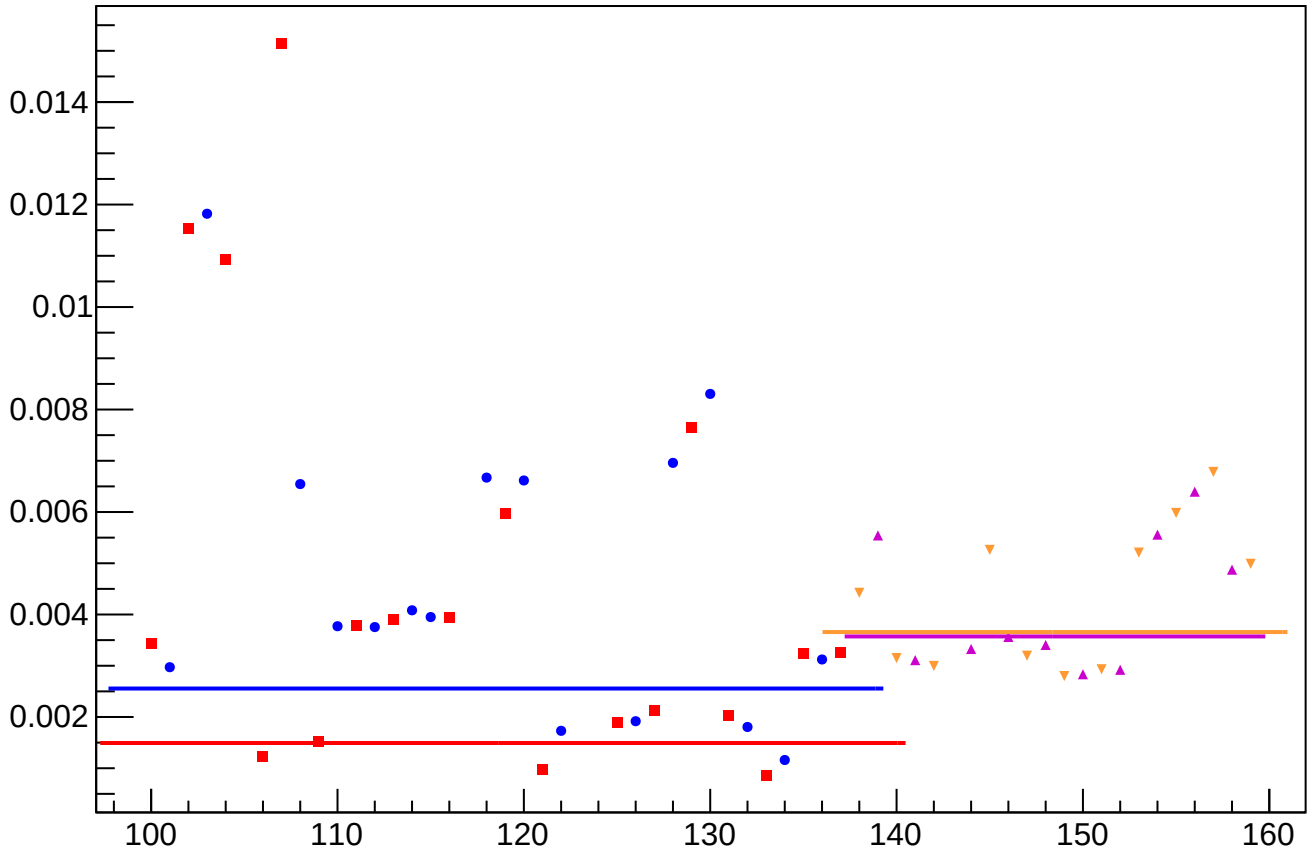
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:5.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 44.9/26

All: 0.000+/-0.000 χ^2/NDF: 70.3/54

- sign 0.000+/-0.000 χ^2/NDF: 25.3/27



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:1427672.4/10

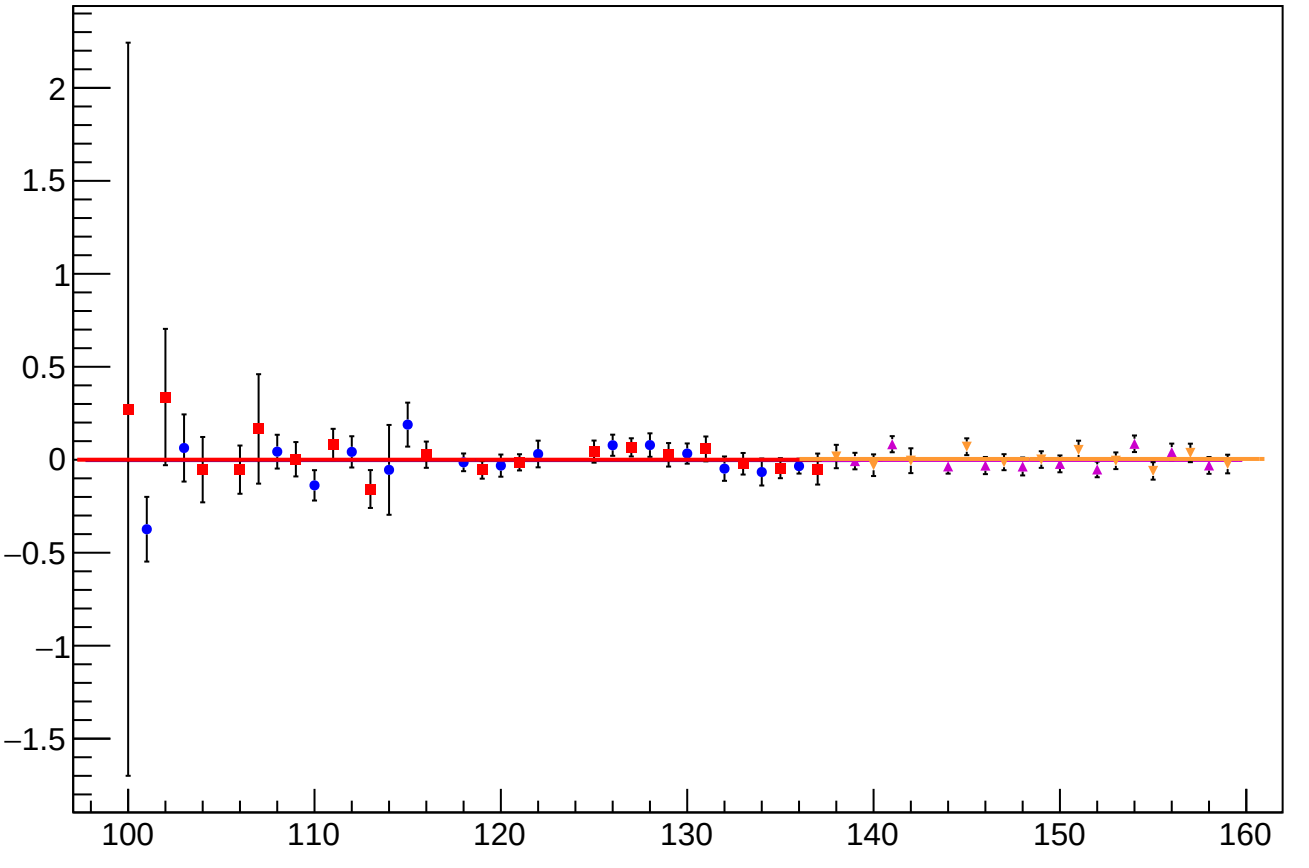
Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1132933.2/9

+ sign 0.003+/-0.000 χ^2/NDF: 6018925.3/26

All: 0.002+/-0.000 χ^2/NDF: 18427882.8/54

- sign 0.002+/-0.000 χ^2/NDF: 10680115.2/27



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.015 χ^2/NDF:6.3/10

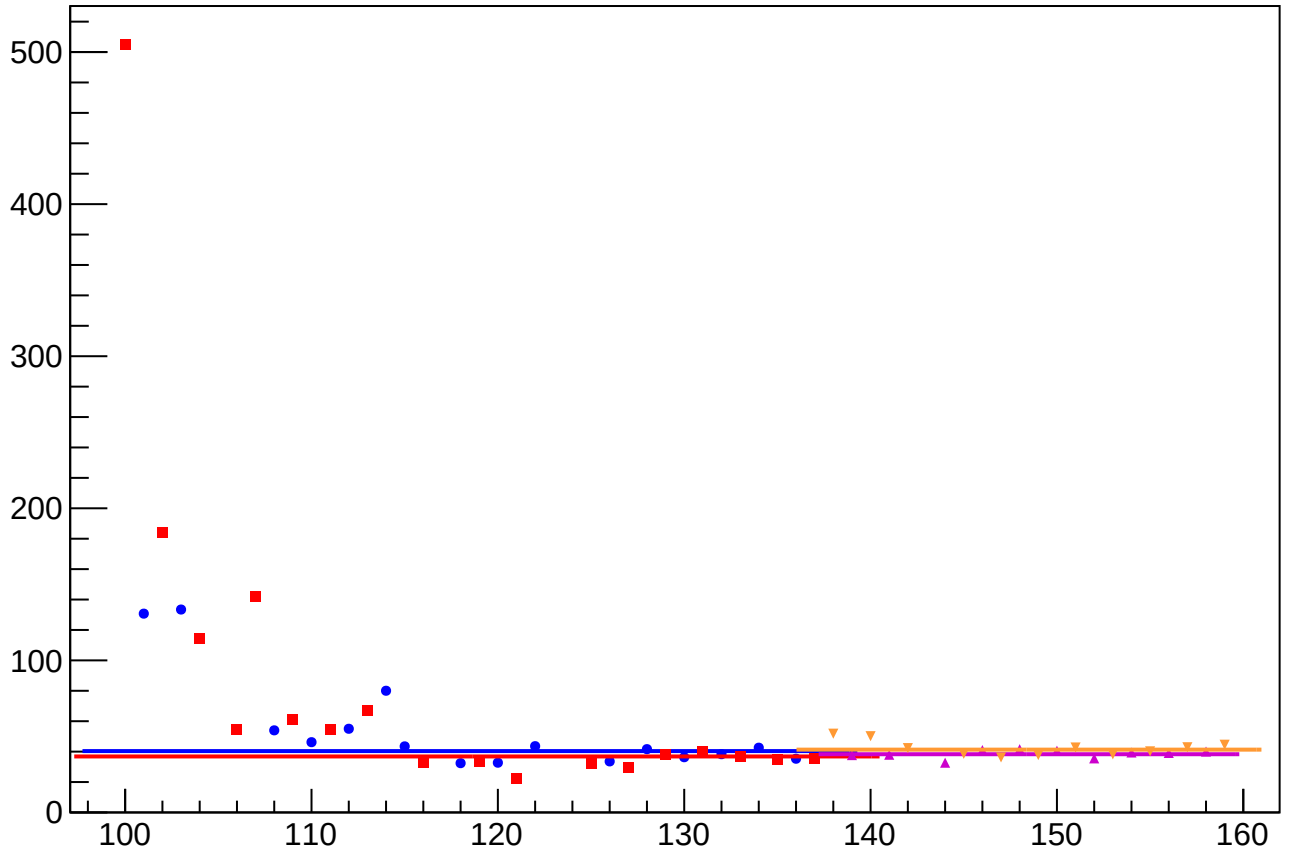
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.014 χ^2/NDF:12.3/9

+ sign 0.002+/-0.011 χ^2/NDF: 23.5/26

All: 0.001+/-0.008 χ^2/NDF: 46.7/54

- sign -0.001+/-0.011 χ^2/NDF: 23.2/27



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.305+/-0.011 χ^2/NDF:173053.7/10

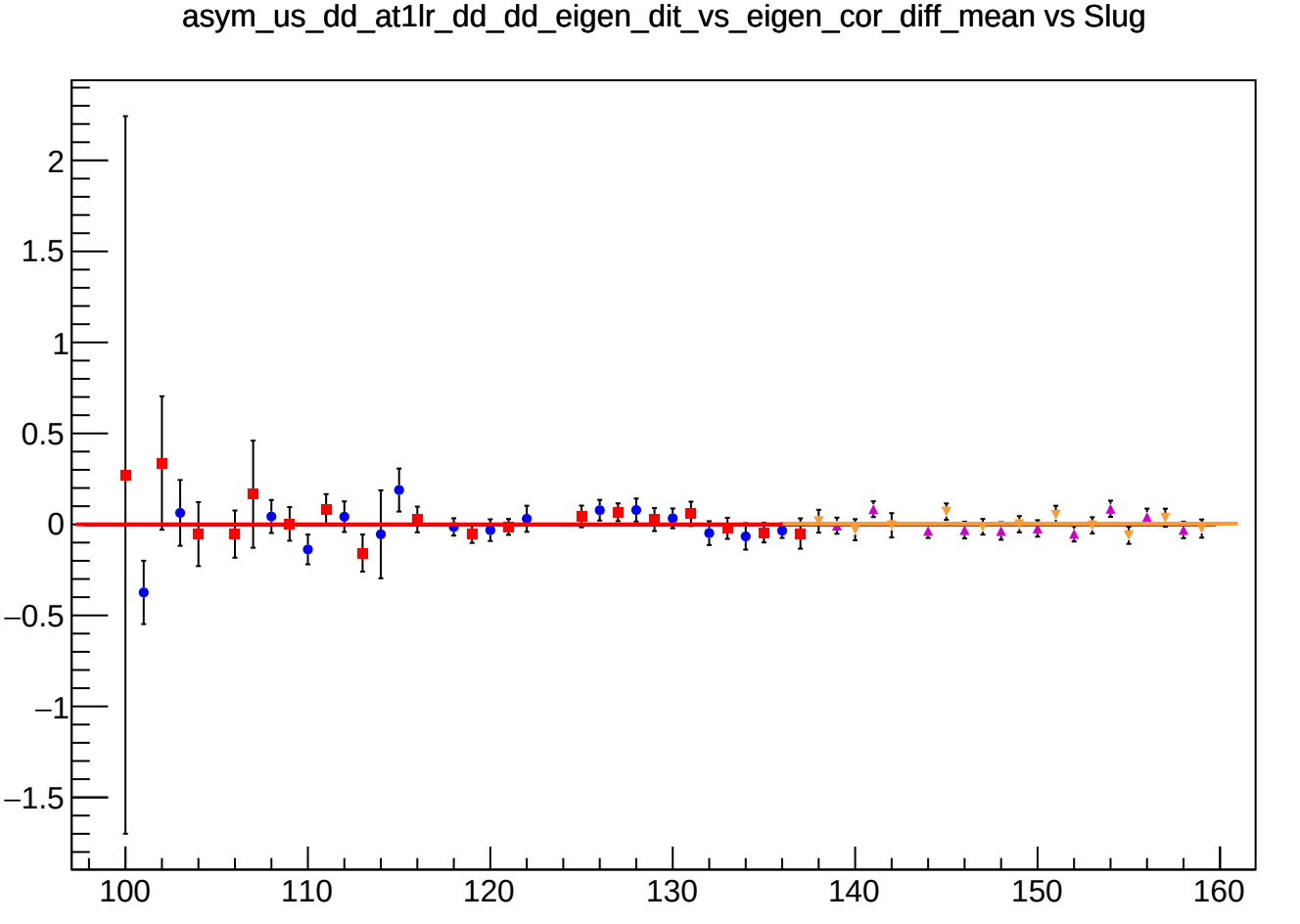
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.291+/-0.010 χ^2/NDF:76309.3/9

\+ sign 40.891+/-0.008 χ^2/NDF: 1586610.4/26

All: 39.208+/-0.005 χ^2/NDF: 3594249.4/54

\- sign 37.685+/-0.008 χ^2/NDF: 1922530.4/27



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.015 χ^2/NDF:6.3/10

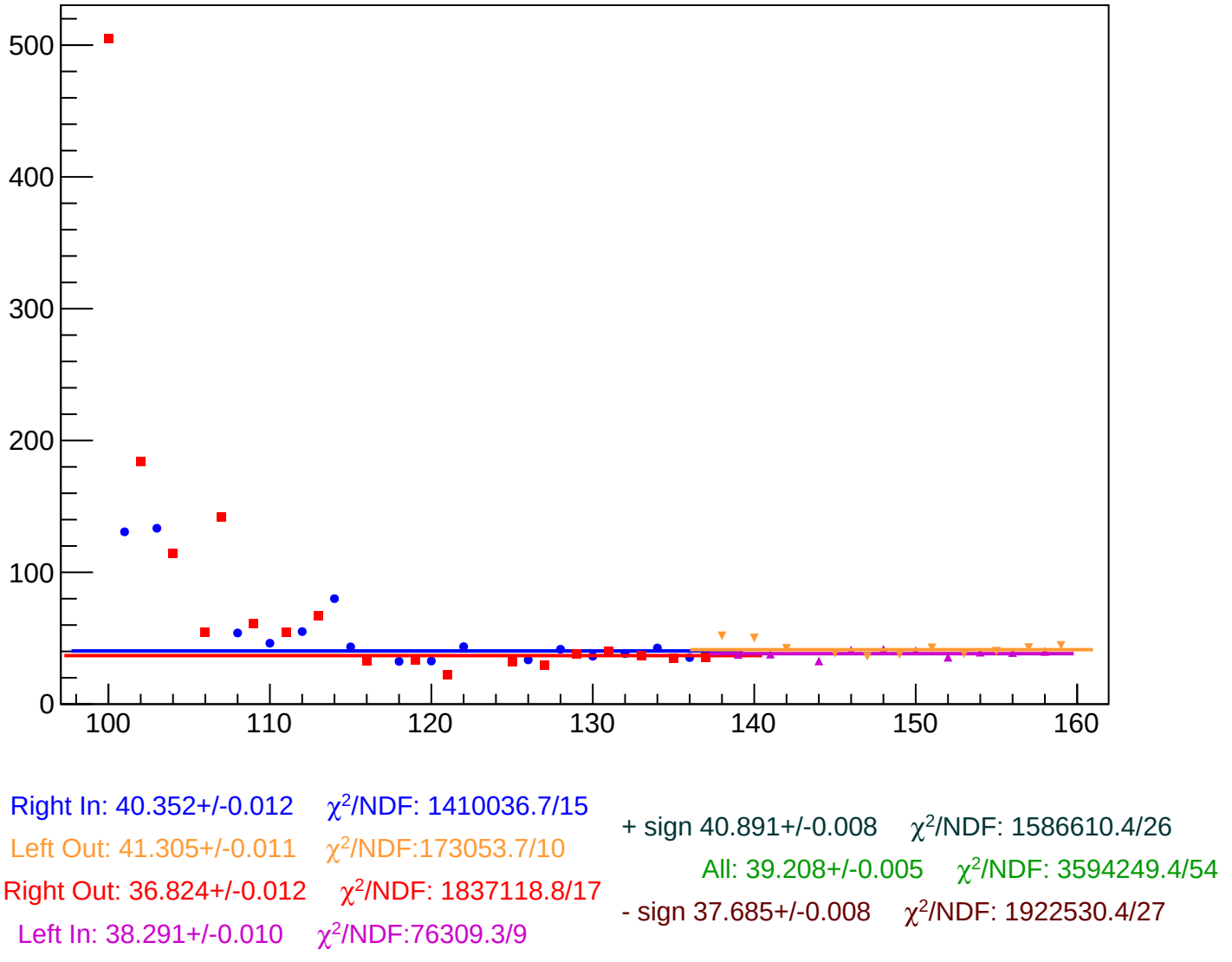
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.014 χ^2/NDF:12.3/9

+ sign 0.002+/-0.011 χ^2/NDF: 23.5/26

All: 0.001+/-0.008 χ^2/NDF: 46.7/54

- sign -0.001+/-0.011 χ^2/NDF: 23.2/27


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
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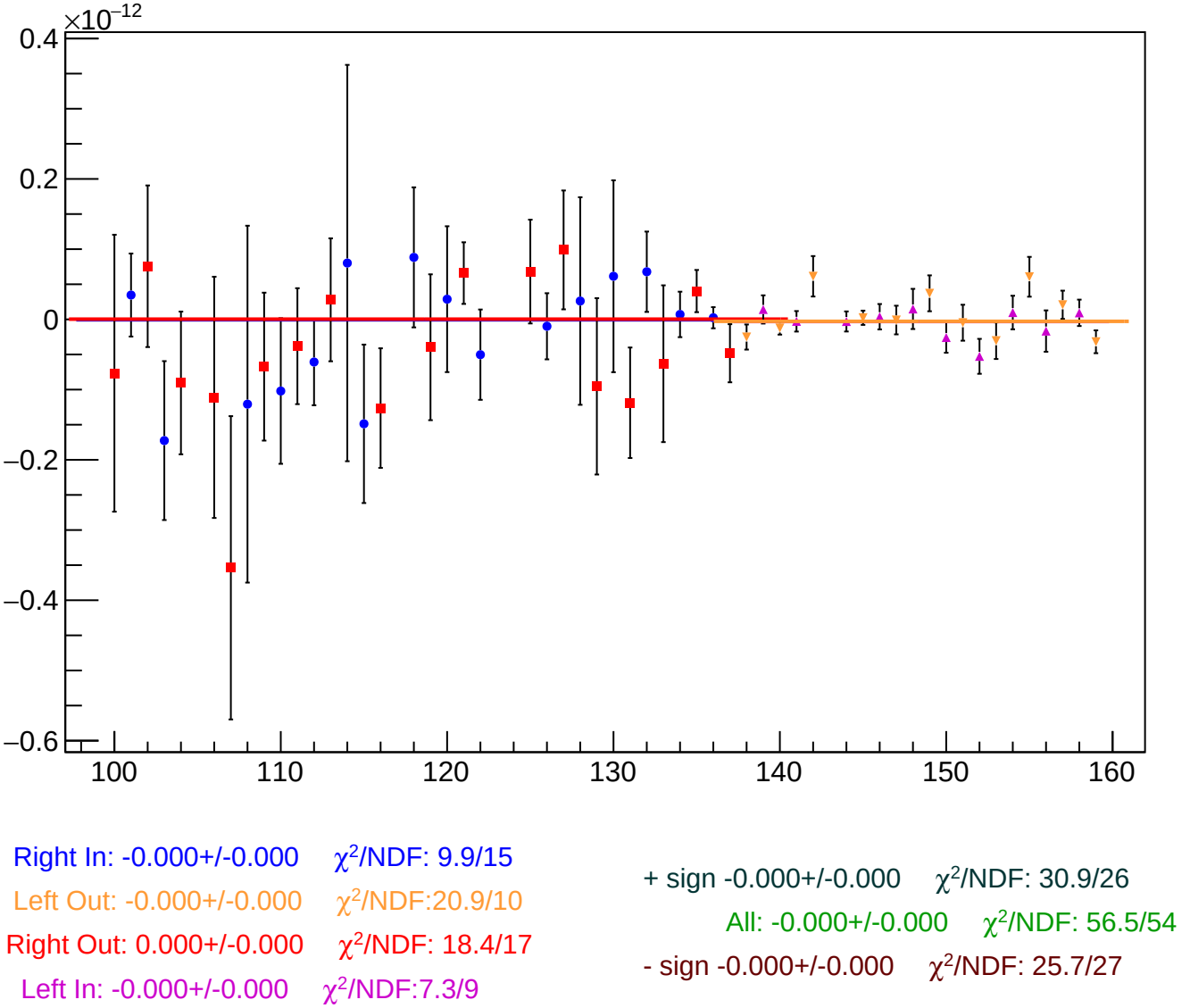
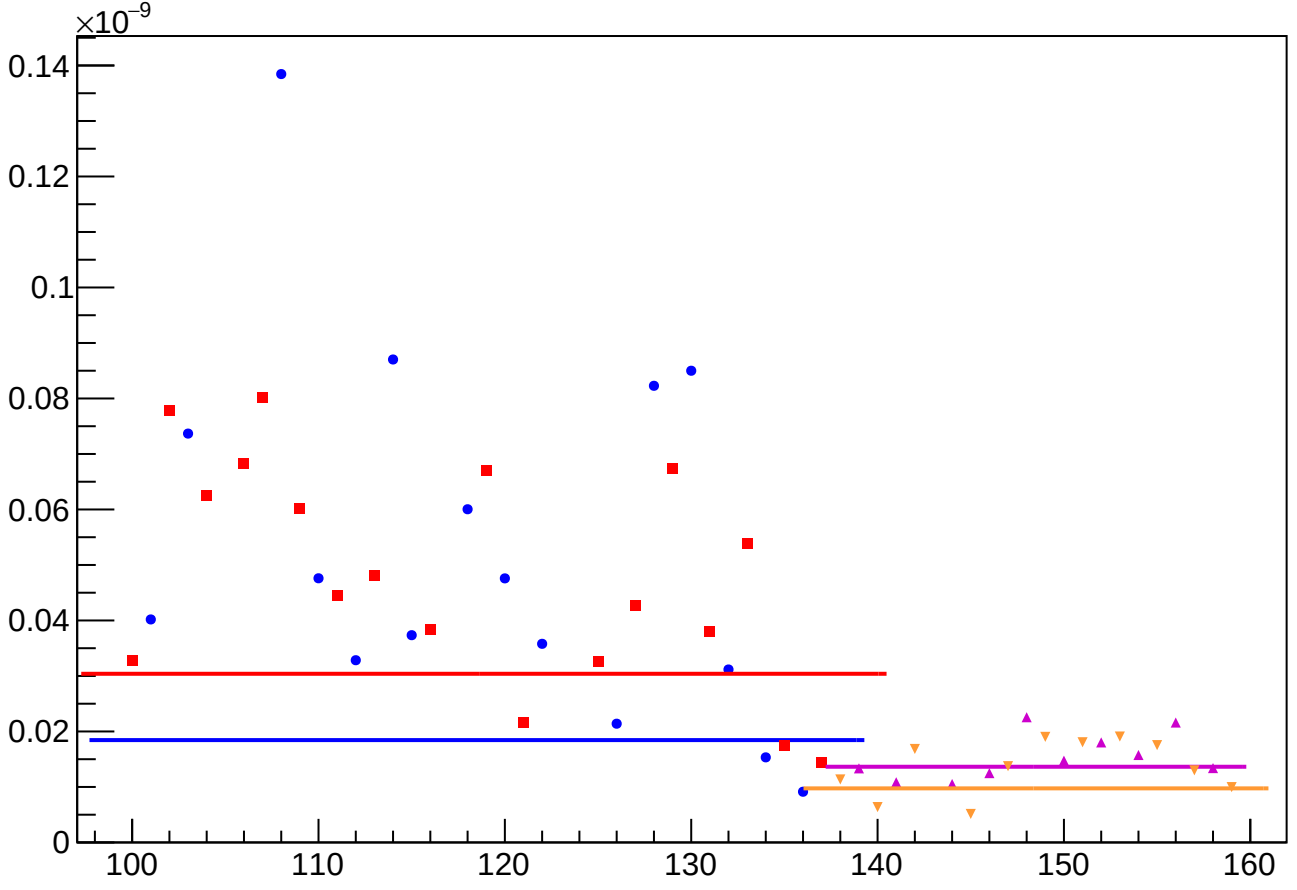
200
100
0
100
110
120
130
140
150
160
Right In: 40.352+/-0.012 χ²/NDF: 1410036.7/15
Left Out: 41.305+/-0.011 χ²/NDF:173053.7/10
Right Out: 36.824+/-0.012 χ²/NDF: 1837118.8/17
Left In: 38.291+/-0.010 χ²/NDF:76309.3/9
+ sign 40.891+/-0.008 χ²/NDF: 1586610.4/26
All: 39.208+/-0.005 χ²/NDF: 3594249.4/54
- sign 37.685+/-0.008 χ²/NDF: 1922530.4/27


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: -0.000+/-0.000 χ²/NDF:20.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:7.3/9
+ sign -0.000+/-0.000 χ²/NDF: 30.9/26
All: -0.000+/-0.000 χ²/NDF: 56.5/54
- sign -0.000+/-0.000 χ²/NDF: 25.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1816153.1/10

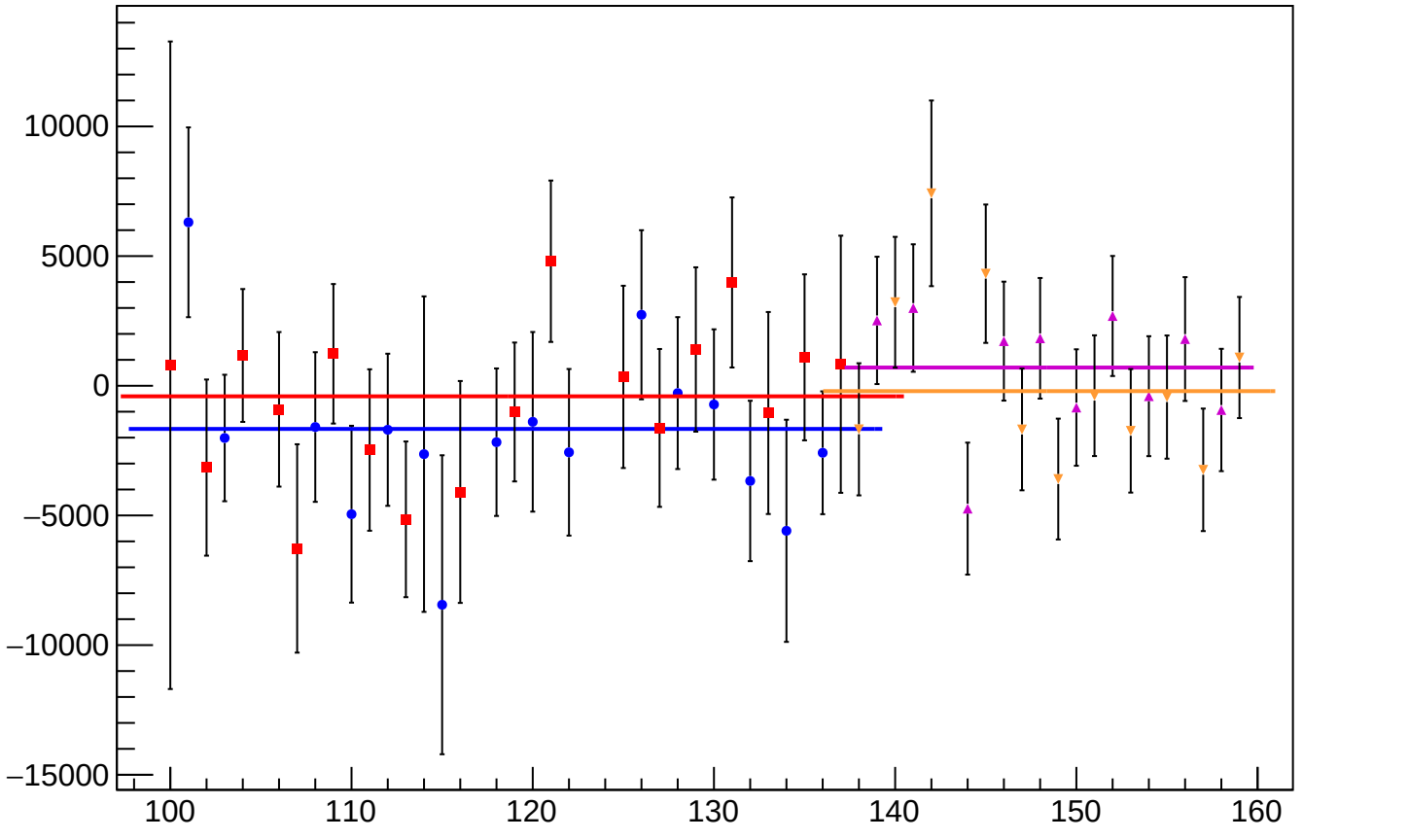
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:600447.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 6792110.0/26

All: 0.000+/-0.000 χ^2/NDF: 12362906.1/54

- sign 0.000+/-0.000 χ^2/NDF: 4799538.5/27



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

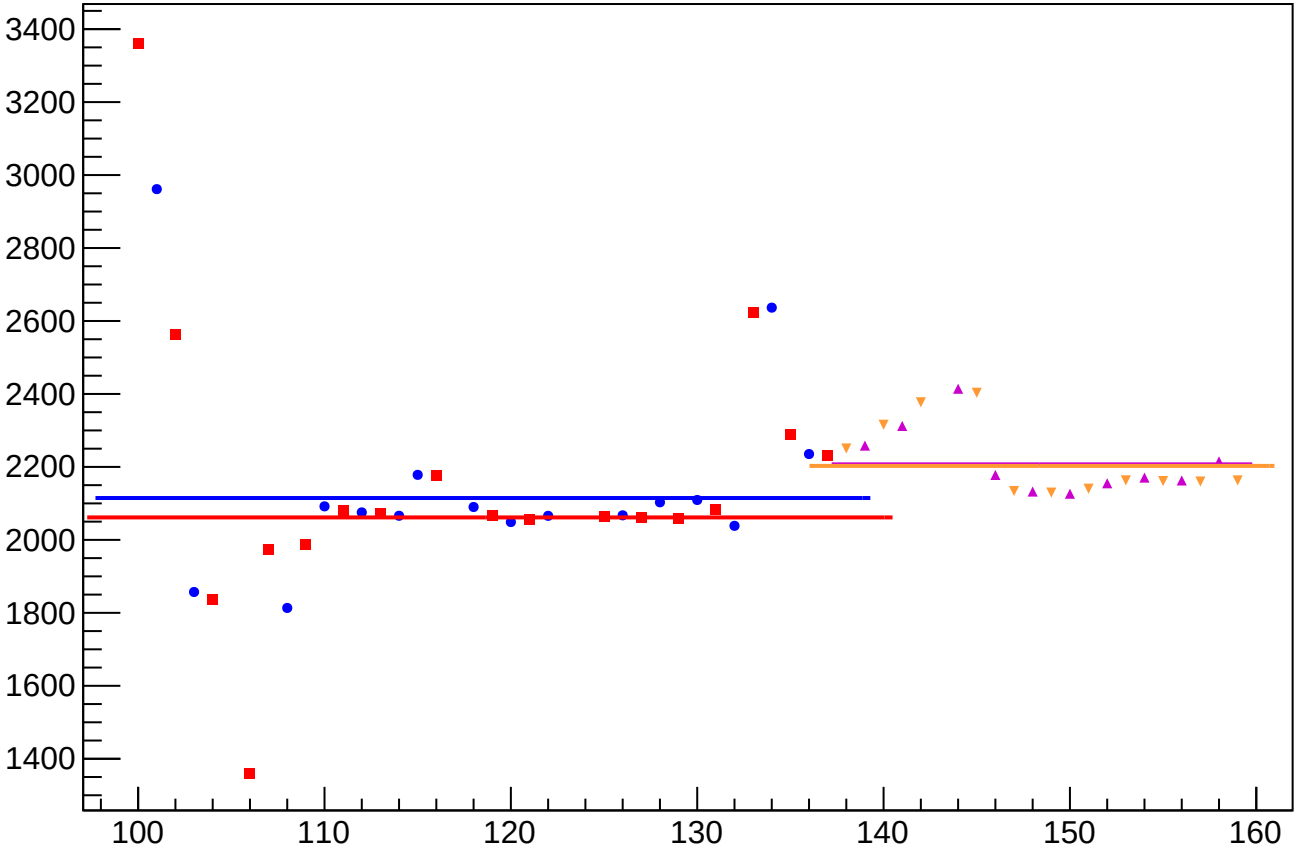
Left In: 702.804+/-747.740 χ^2/NDF:8.6/9

+ sign -891.822+/-543.101 χ^2/NDF: 27.1/26

All: -357.035+/-382.512 χ^2/NDF: 51.4/54

- sign 169.377+/-538.832 χ^2/NDF: 22.4/27

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

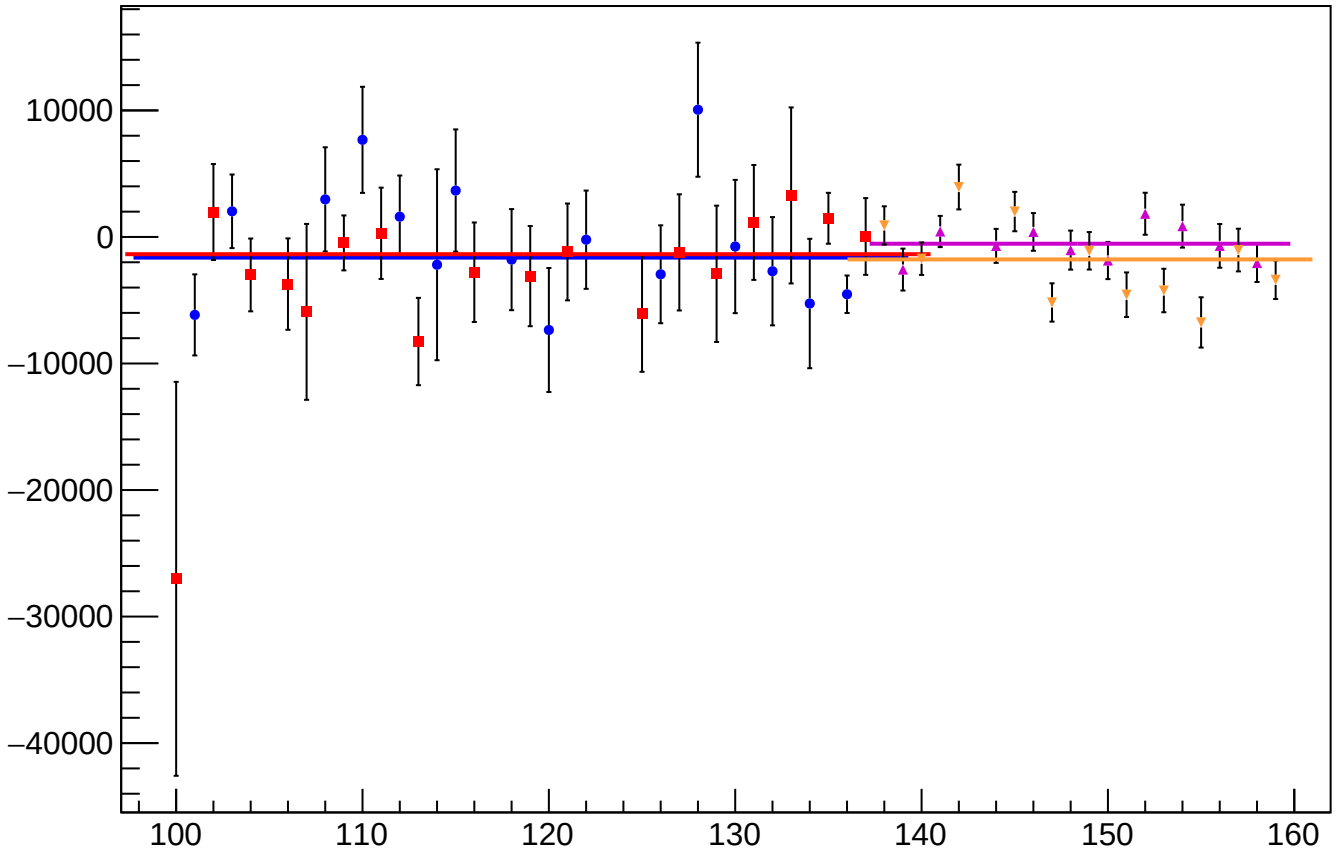
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

+ sign 2161.401+/-0.384 χ^2/NDF: 231287.5/26

All: 2149.148+/-0.270 χ^2/NDF: 543843.0/54

- sign 2137.088+/-0.381 χ^2/NDF: 310535.7/27



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1774.597+/-478.745 χ^2/NDF:36.9/10

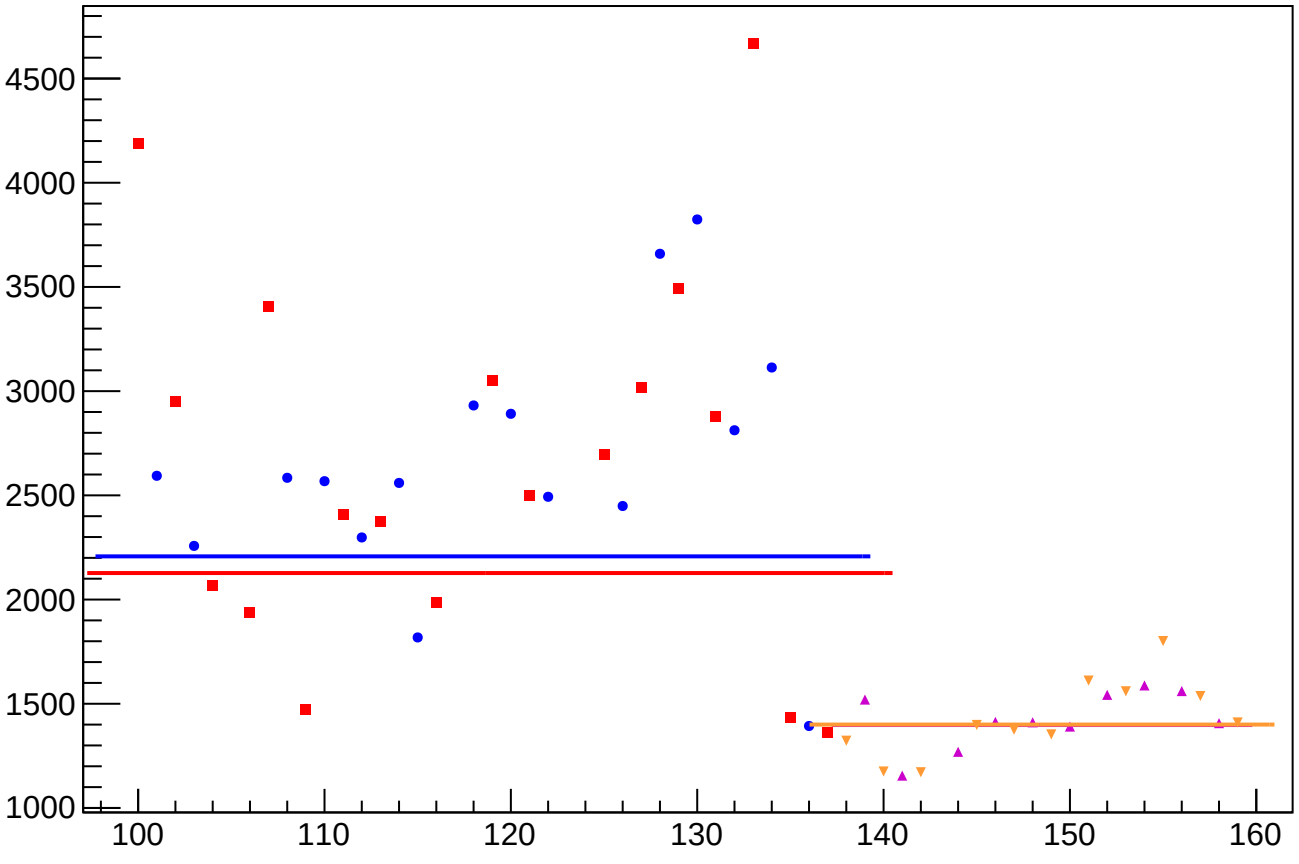
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -535.738+/-476.703 χ^2/NDF:7.2/9

\+ sign -1740.646+/-418.576 χ^2/NDF: 59.8/26

All: -1234.001+/-294.578 χ^2/NDF: 84.1/54

\- sign -736.830+/-414.644 χ^2/NDF: 21.4/27



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1400.140+/-0.339 χ^2/NDF:243209.7/10

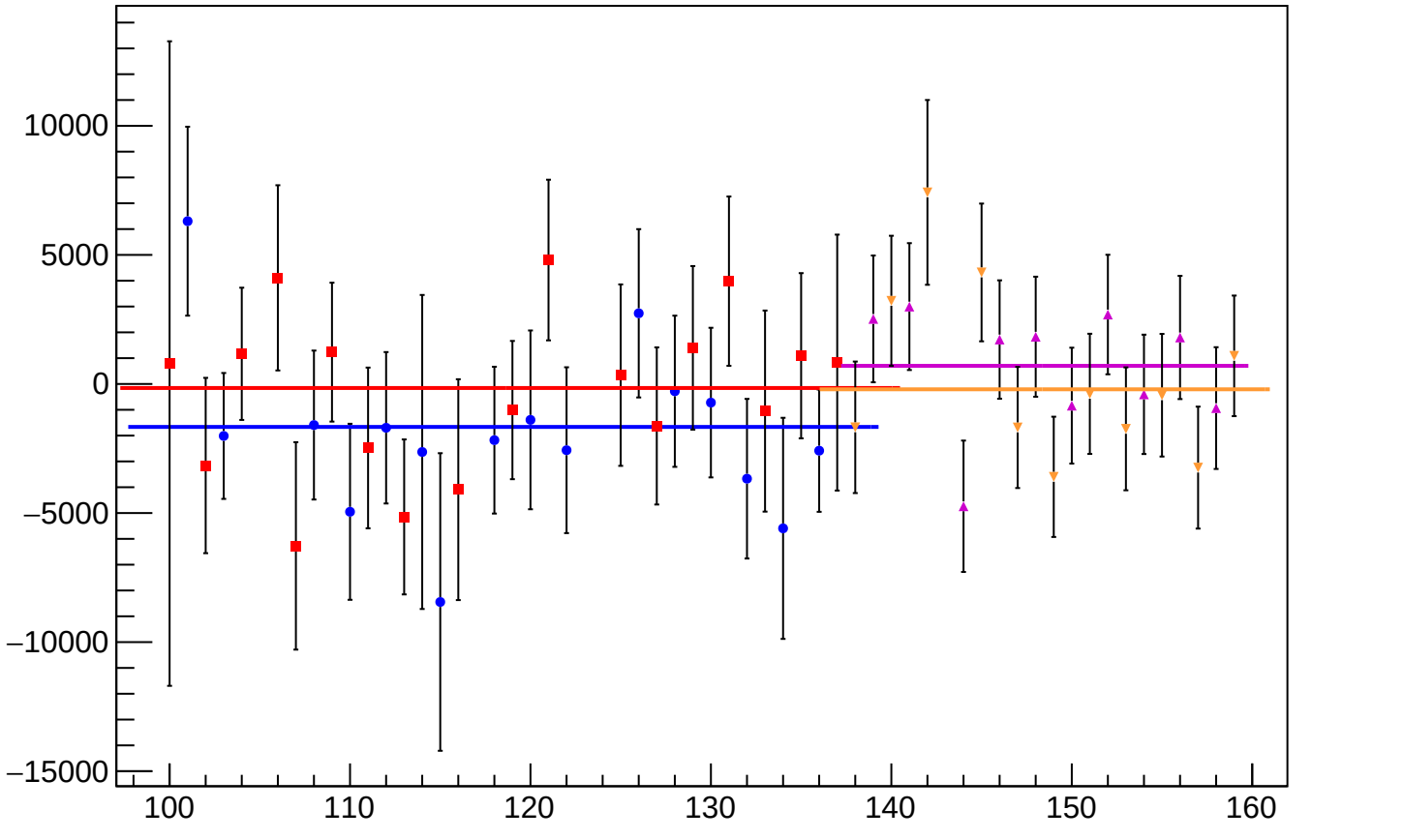
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1397.928+/-0.337 χ^2/NDF:165257.8/9

+ sign 1590.269+/-0.296 χ^2/NDF: 2831549.5/26

All: 1582.792+/-0.208 χ^2/NDF: 5595586.1/54

- sign 1575.455+/-0.293 χ^2/NDF: 2762772.1/27



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

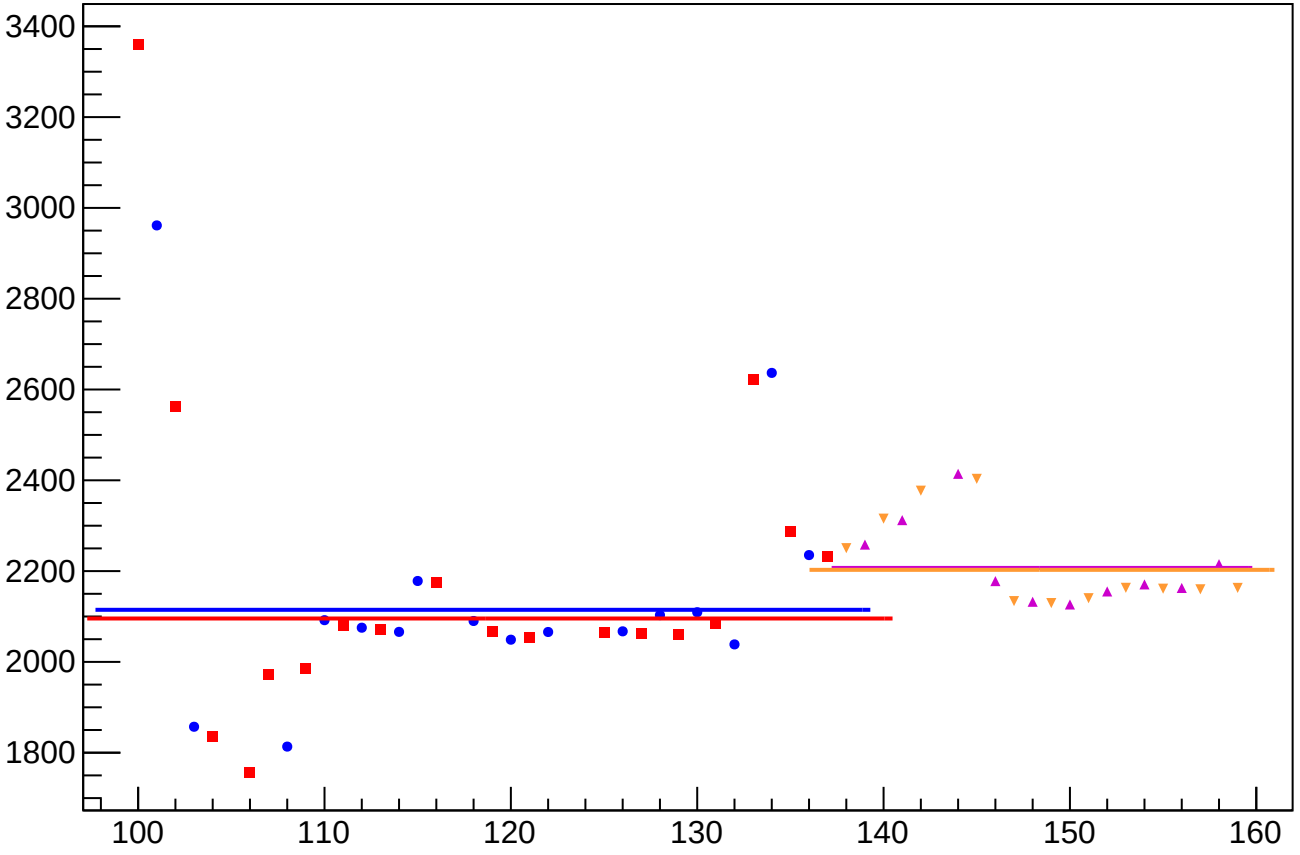
Left In: 702.725+/-747.740 χ^2/NDF:8.6/9

+ sign -891.642+/-543.101 χ^2/NDF: 27.1/26

All: -296.864+/-383.493 χ^2/NDF: 52.9/54

- sign 294.594+/-541.583 χ^2/NDF: 23.4/27

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

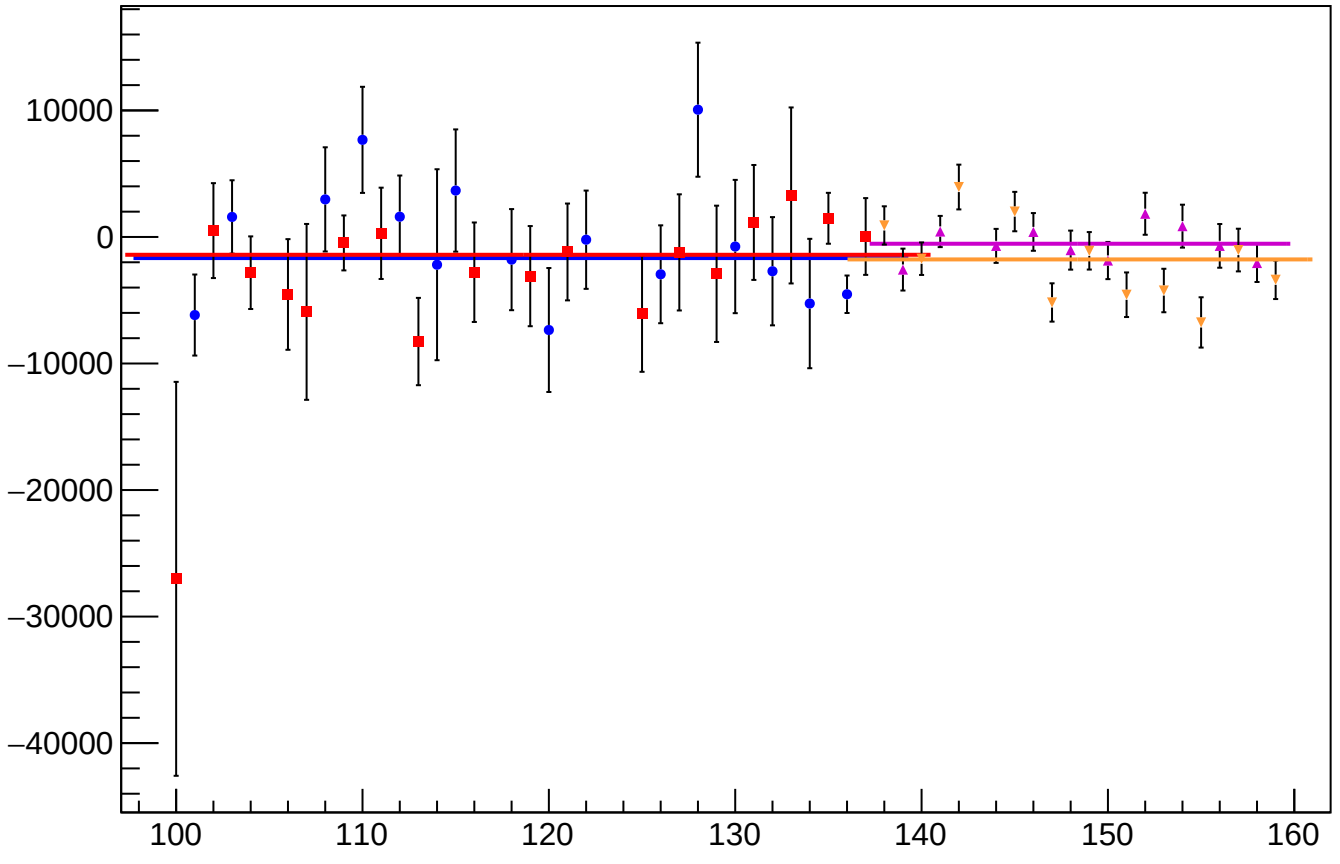
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

+ sign 2161.400+/-0.384 χ^2/NDF: 231287.8/26

All: 2157.711+/-0.271 χ^2/NDF: 426911.9/54

- sign 2154.043+/-0.383 χ^2/NDF: 195440.0/27



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

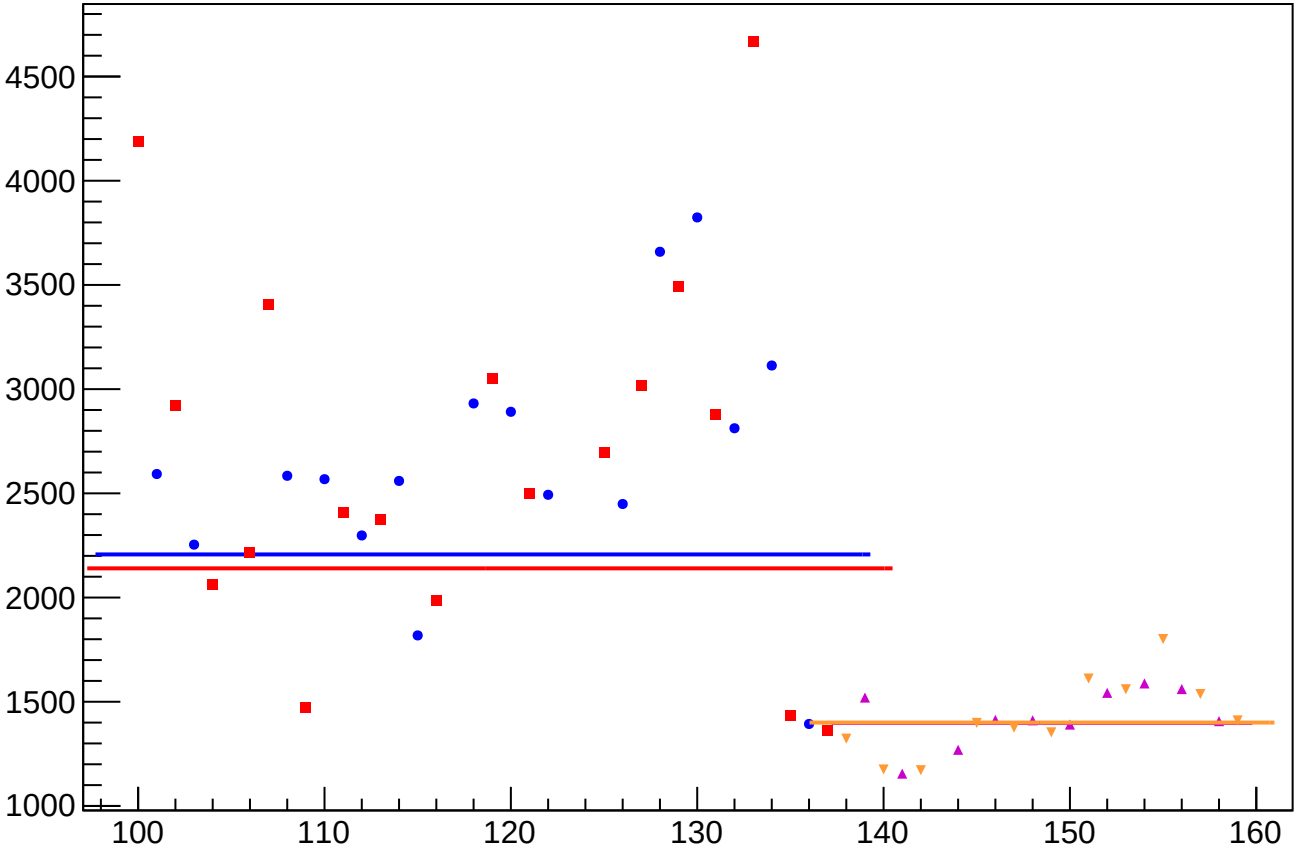
Left In: -535.673+/-476.703 χ^2/NDF:7.2/9

+ sign -1749.518+/-418.545 χ^2/NDF: 59.4/26

All: -1243.760+/-294.850 χ^2/NDF: 83.3/54

- sign -745.488+/-415.435 χ^2/NDF: 21.0/27

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1400.153+/-0.339 χ^2/NDF:243153.4/10

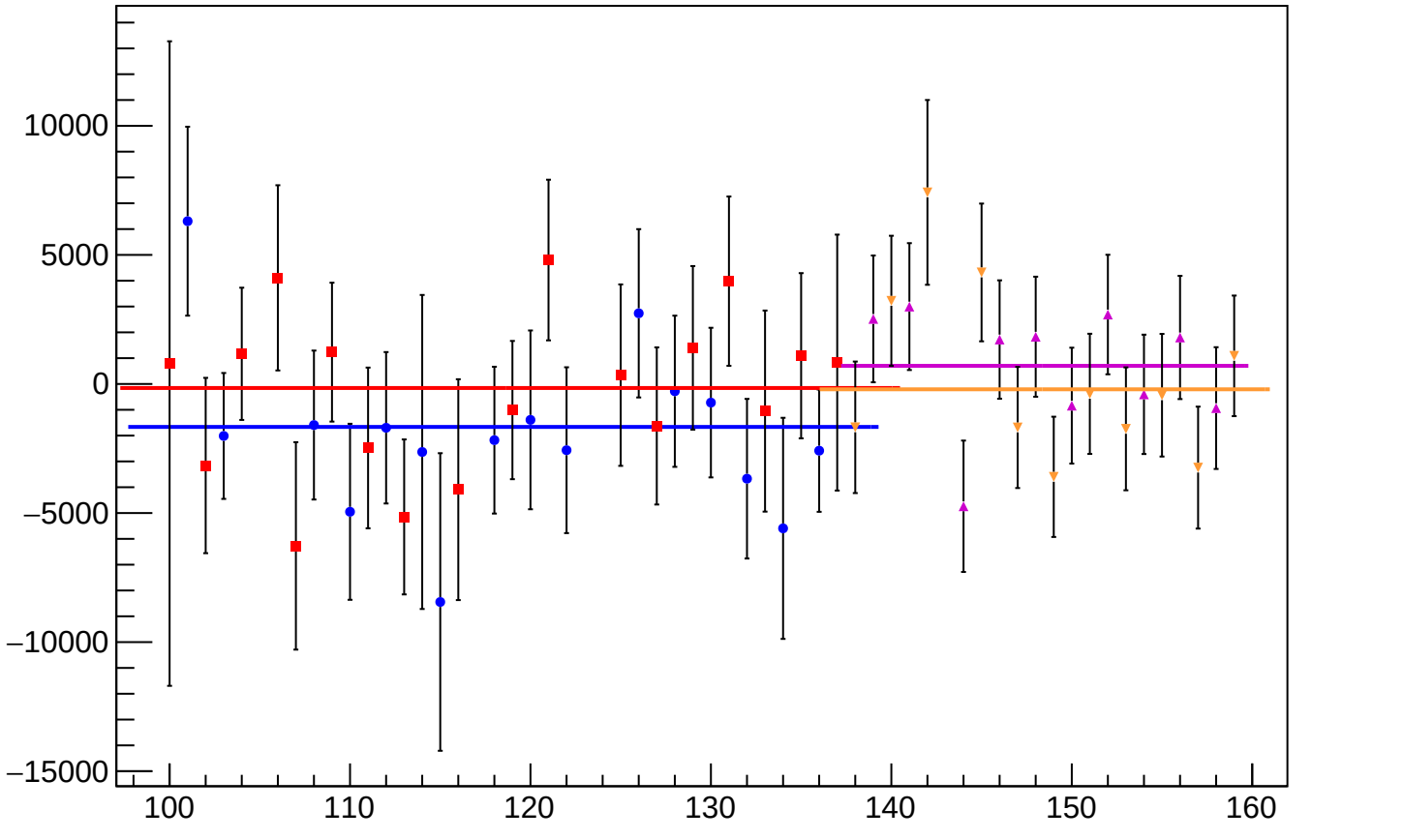
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1397.926+/-0.337 χ^2/NDF:165296.4/9

+ sign 1590.300+/-0.296 χ^2/NDF: 2830782.3/26

All: 1583.314+/-0.208 χ^2/NDF: 5611468.5/54

- sign 1576.432+/-0.294 χ^2/NDF: 2779580.2/27



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

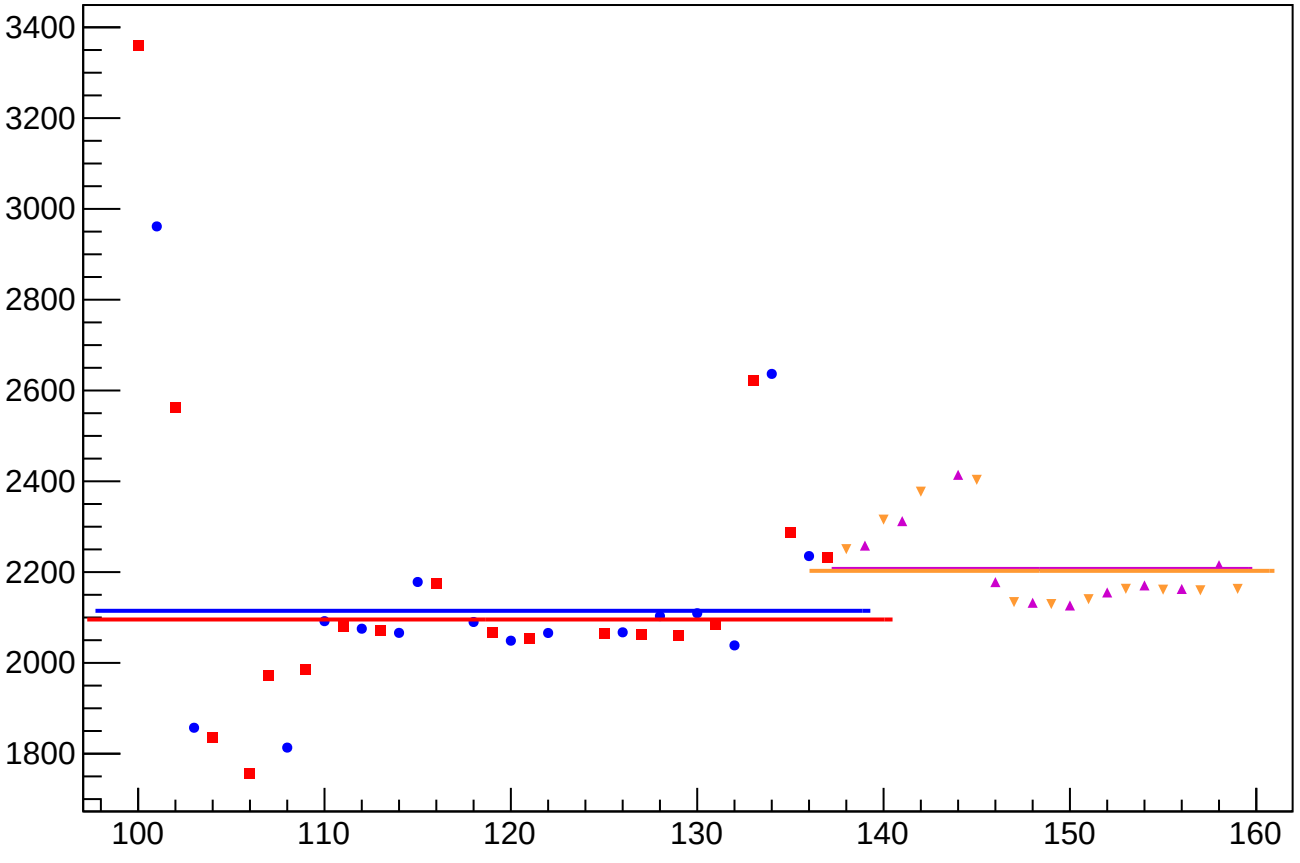
Left In: 702.725+/-747.740 χ^2/NDF:8.6/9

+ sign -891.642+/-543.101 χ^2/NDF: 27.1/26

All: -296.864+/-383.493 χ^2/NDF: 52.9/54

- sign 294.594+/-541.583 χ^2/NDF: 23.4/27

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

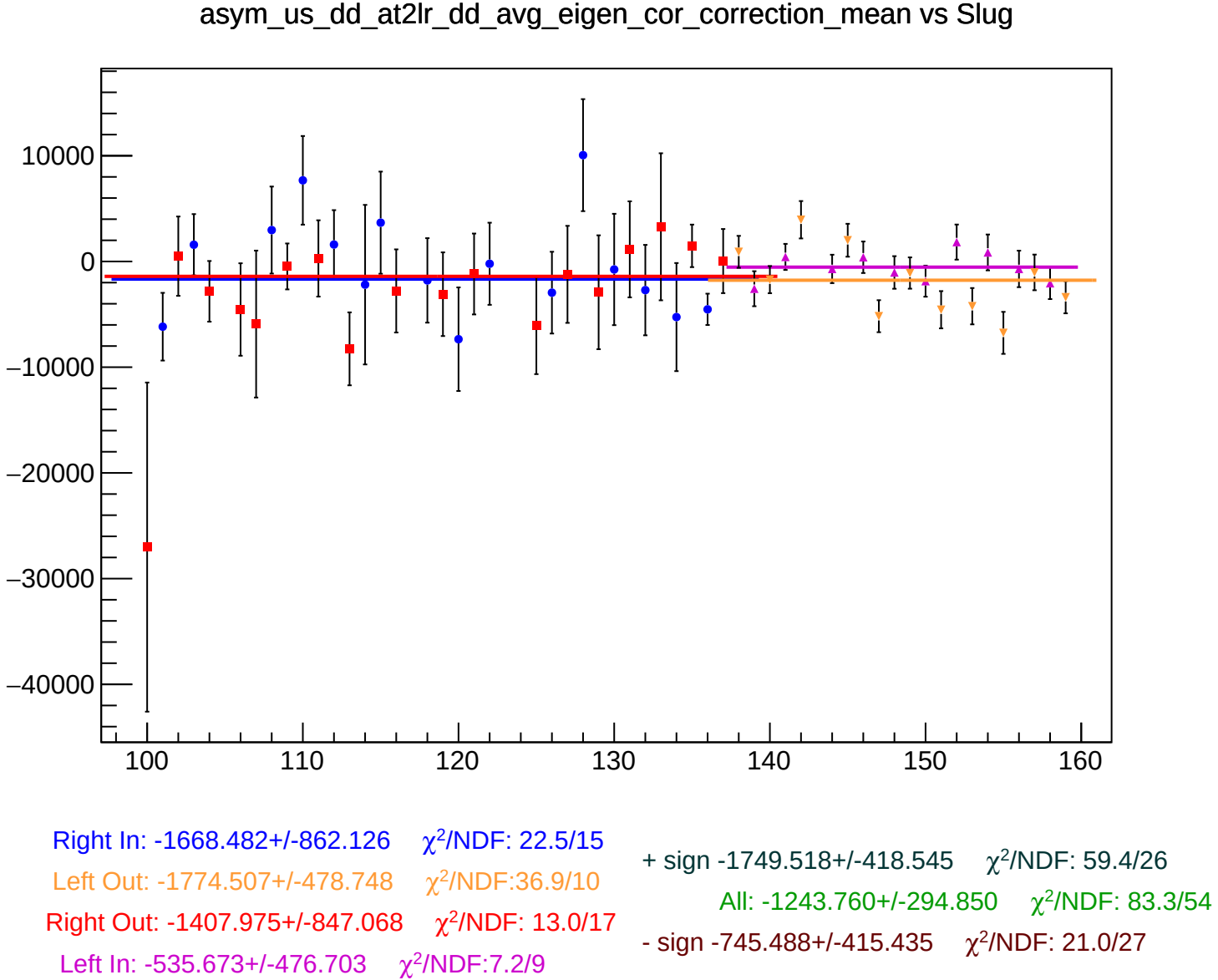
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

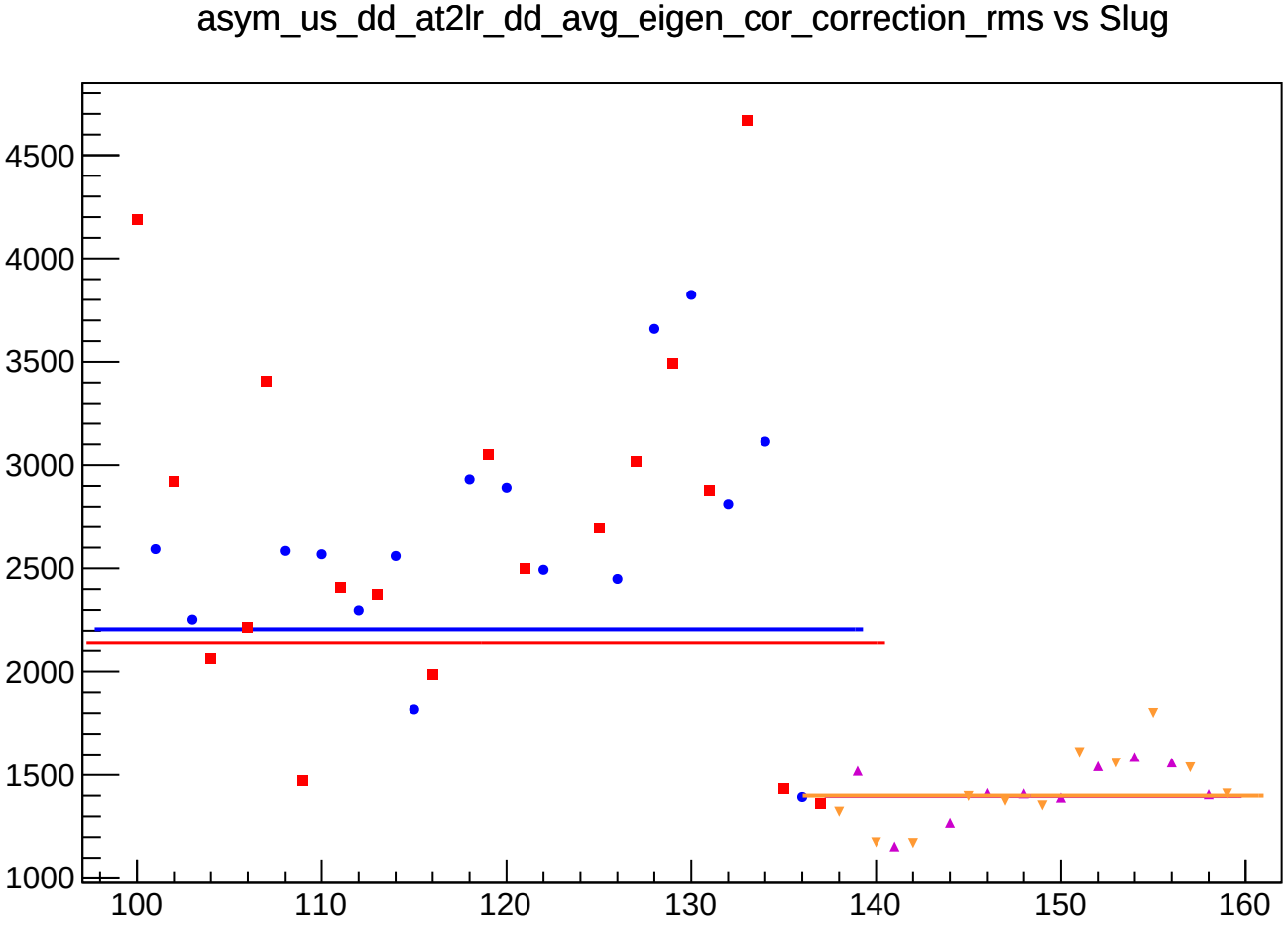
Left In: 2207.007+/-0.529 χ^2/NDF:24971.8/9

+ sign 2161.400+/-0.384 χ^2/NDF: 231287.8/26

All: 2157.711+/-0.271 χ^2/NDF: 426911.9/54

- sign 2154.043+/-0.383 χ^2/NDF: 195440.0/27


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -1774.507+/-478.748 χ²/NDF:36.9/10
Right Out: -1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: -535.673+/-476.703 χ²/NDF:7.2/9
+ sign -1749.518+/-418.545 χ²/NDF: 59.4/26
All: -1243.760+/-294.850 χ²/NDF: 83.3/54
- sign -745.488+/-415.435 χ²/NDF: 21.0/27



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1400.153+/-0.339 χ^2/NDF:243153.4/10

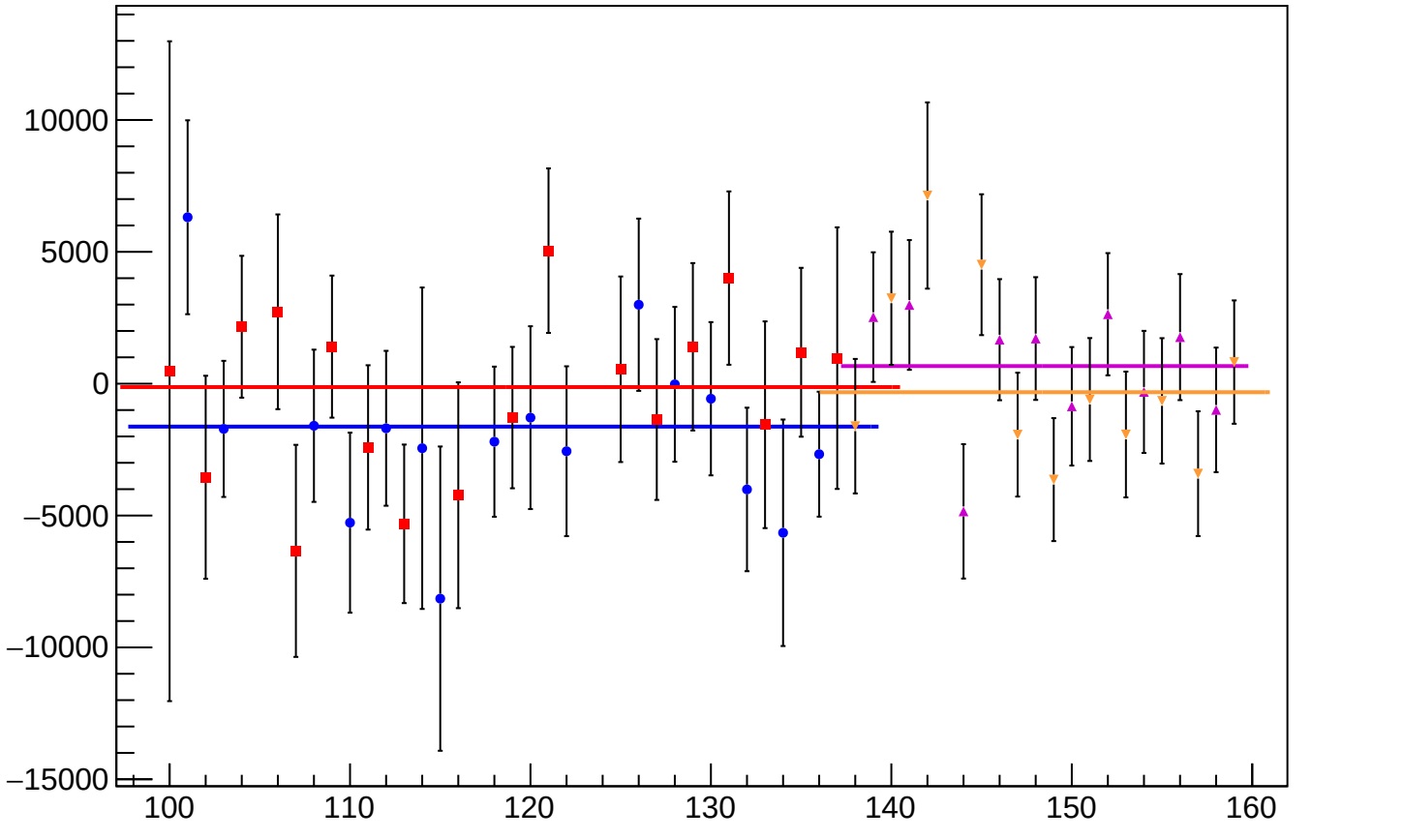
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1397.926+/-0.337 χ^2/NDF:165296.4/9

+ sign 1590.300+/-0.296 χ^2/NDF: 2830782.3/26

All: 1583.314+/-0.208 χ^2/NDF: 5611468.5/54

- sign 1576.432+/-0.294 χ^2/NDF: 2779580.2/27



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

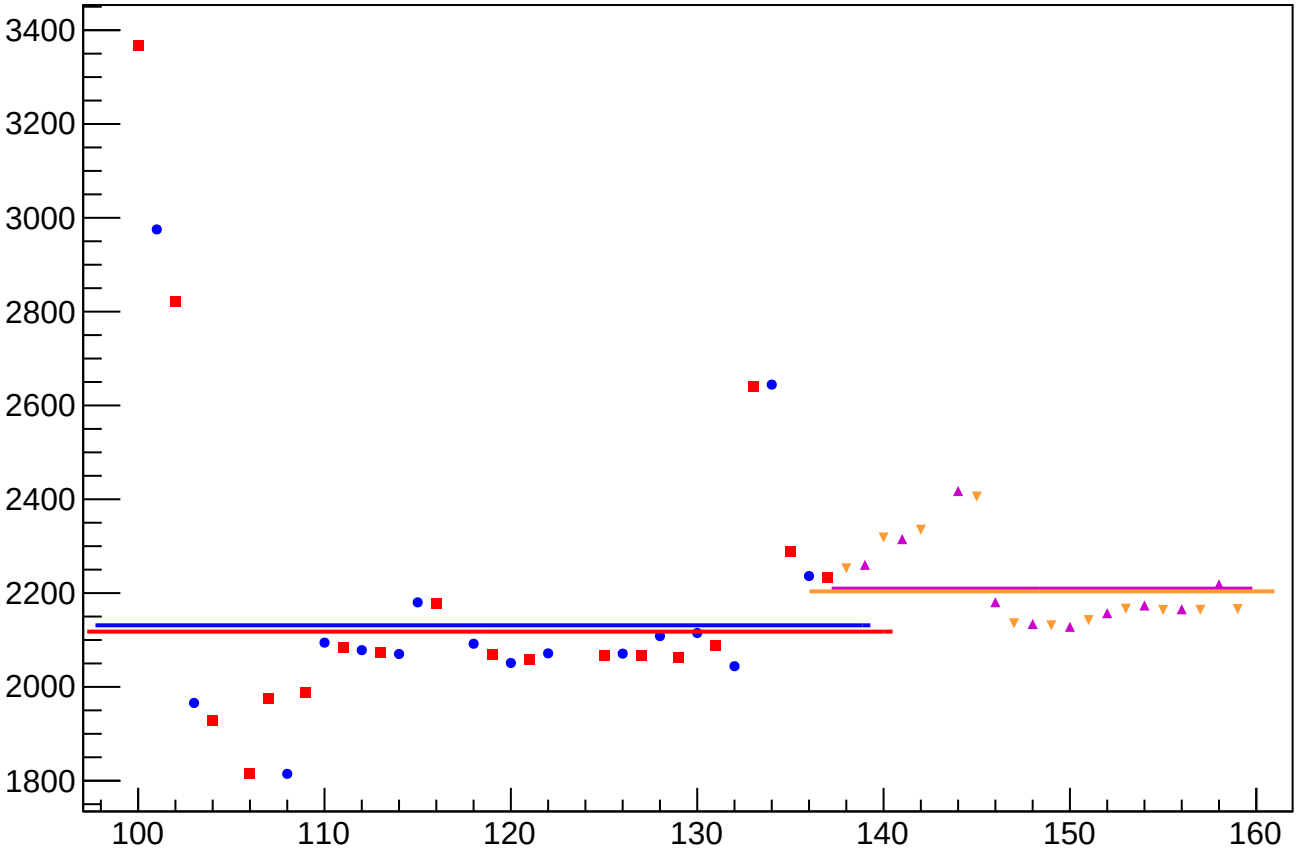
Left In: 667.957+/-748.564 χ^2/NDF:8.6/9

+ sign -931.453+/-545.125 χ^2/NDF: 27.7/26

All: -318.751+/-385.517 χ^2/NDF: 53.9/54

- sign 294.303+/-545.281 χ^2/NDF: 23.7/27

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

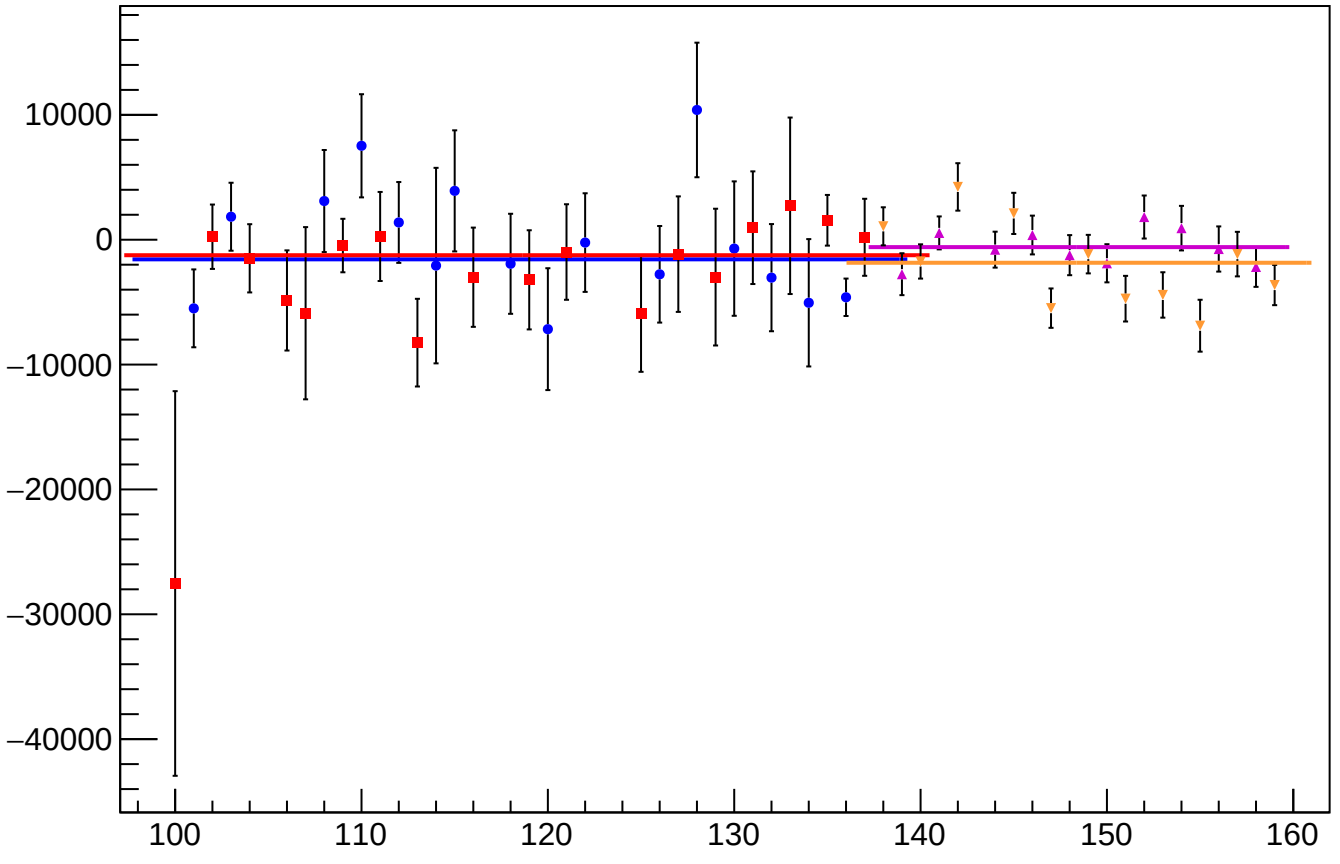
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2209.424+/-0.529 χ^2/NDF:25114.6/9

+ sign 2169.883+/-0.385 χ^2/NDF: 210907.5/26

All: 2168.167+/-0.273 χ^2/NDF: 413728.1/54

- sign 2166.449+/-0.386 χ^2/NDF: 202780.9/27



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1844.740+/-502.483 χ^2/NDF:36.9/10

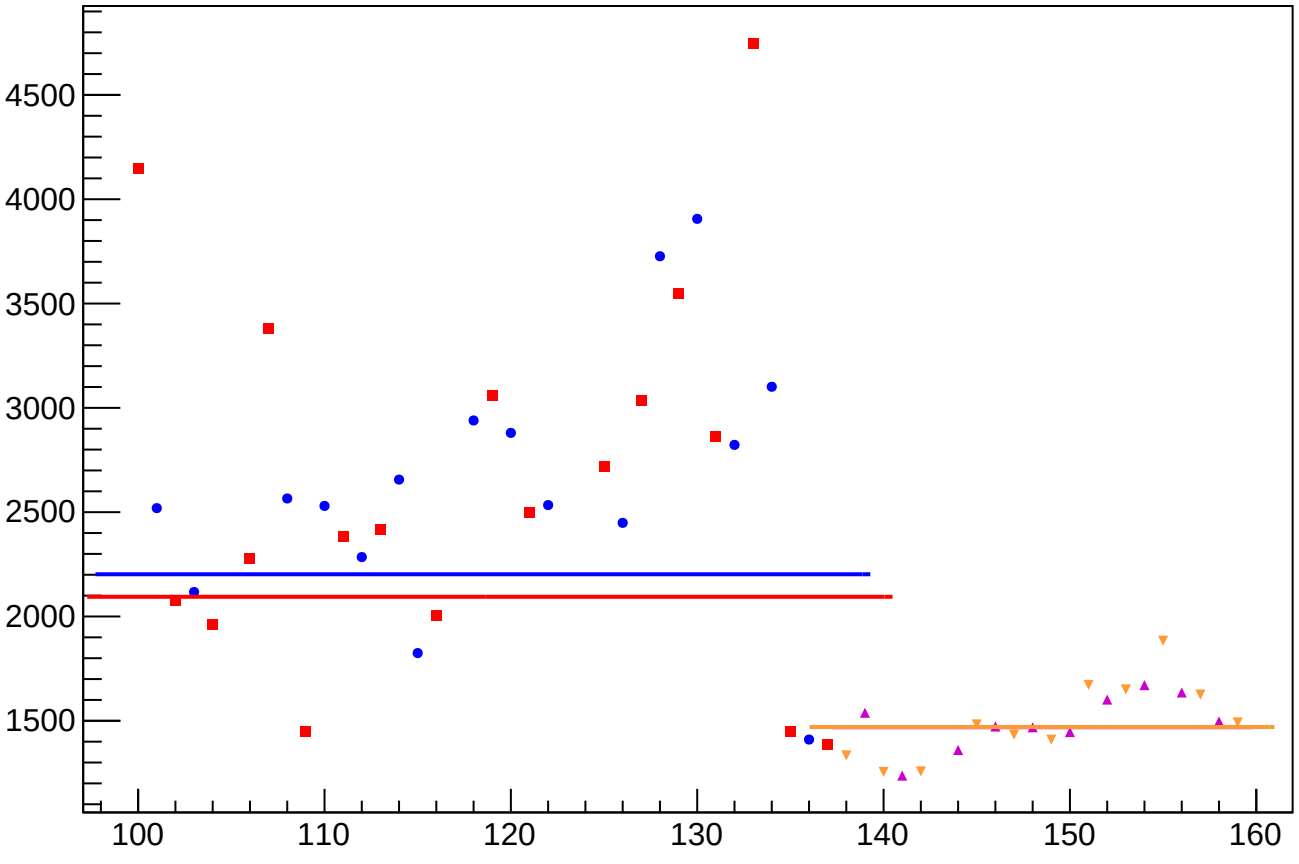
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -591.925+/-500.480 χ^2/NDF:7.4/9

+ sign -1775.061+/-433.823 χ^2/NDF: 59.6/26

All: -1263.826+/-304.378 χ^2/NDF: 83.2/54

- sign -768.163+/-427.165 χ^2/NDF: 20.9/27



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1470.288+/-0.355 χ^2/NDF:233297.0/10

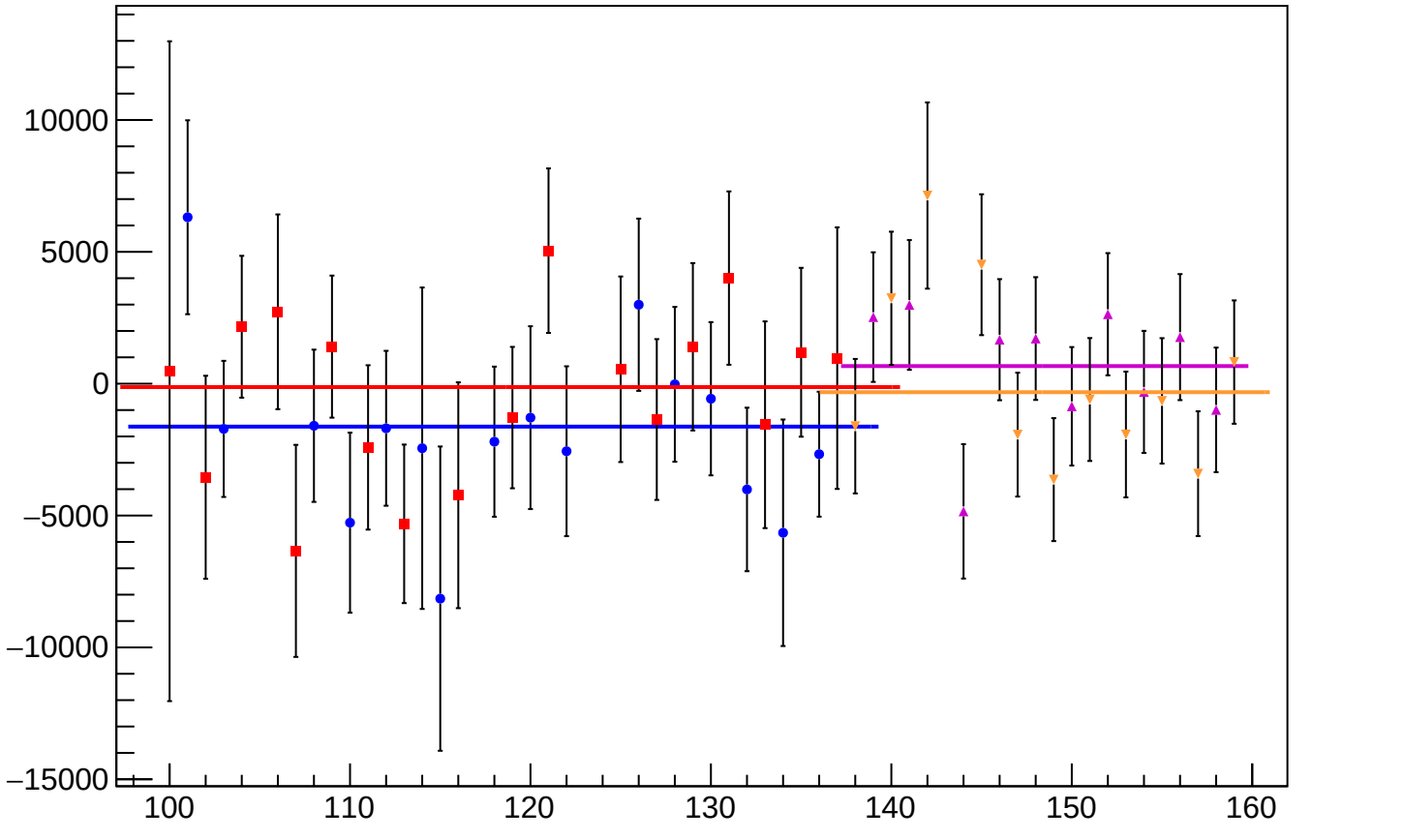
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1469.307+/-0.354 χ^2/NDF:132070.5/9

+ sign 1656.686+/-0.307 χ^2/NDF: 2537183.3/26

All: 1647.729+/-0.215 χ^2/NDF: 4891858.1/54

- sign 1639.044+/-0.302 χ^2/NDF: 2352995.4/27



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

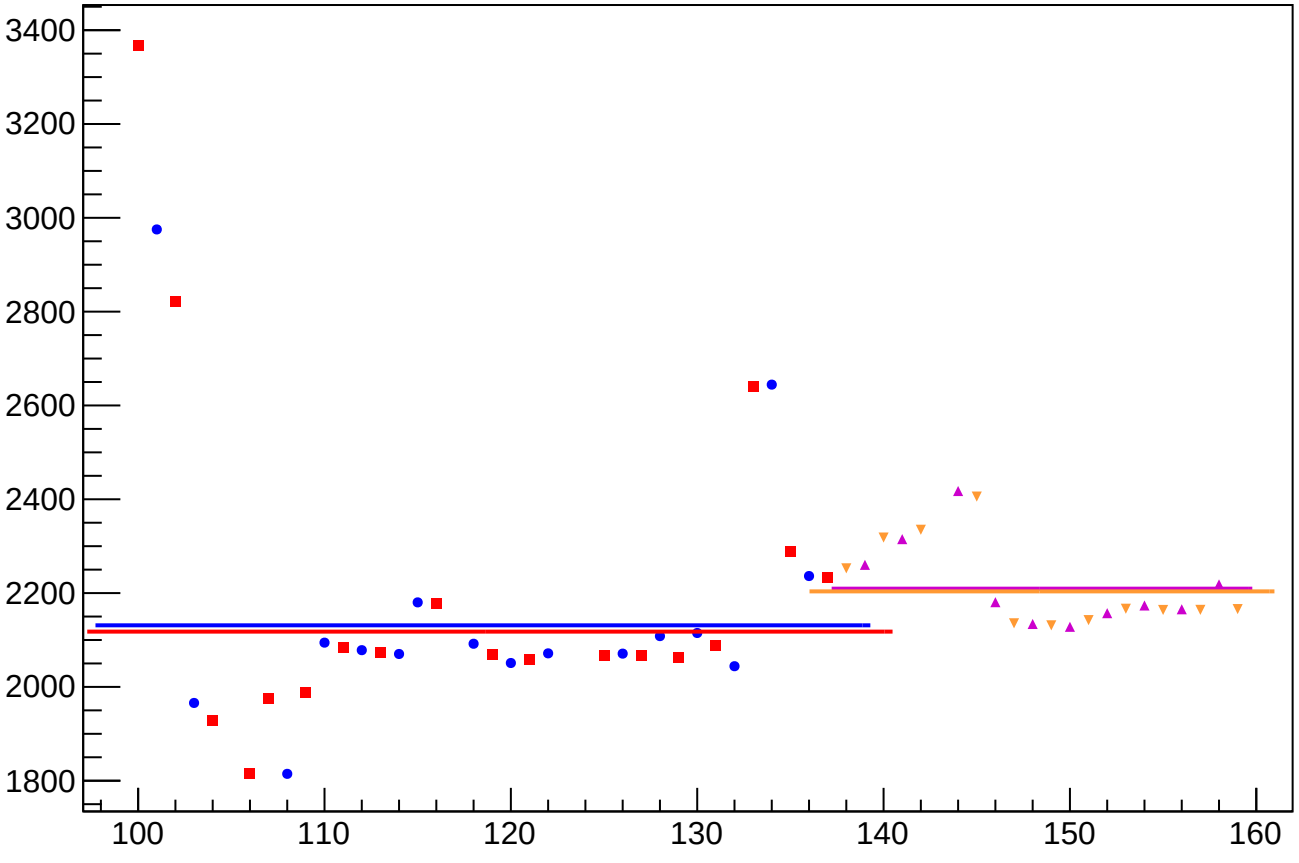
Left In: 667.951+/-748.564 χ^2/NDF:8.6/9

+ sign -931.453+/-545.125 χ^2/NDF: 27.7/26

All: -318.751+/-385.517 χ^2/NDF: 53.9/54

- sign 294.303+/-545.281 χ^2/NDF: 23.7/27

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

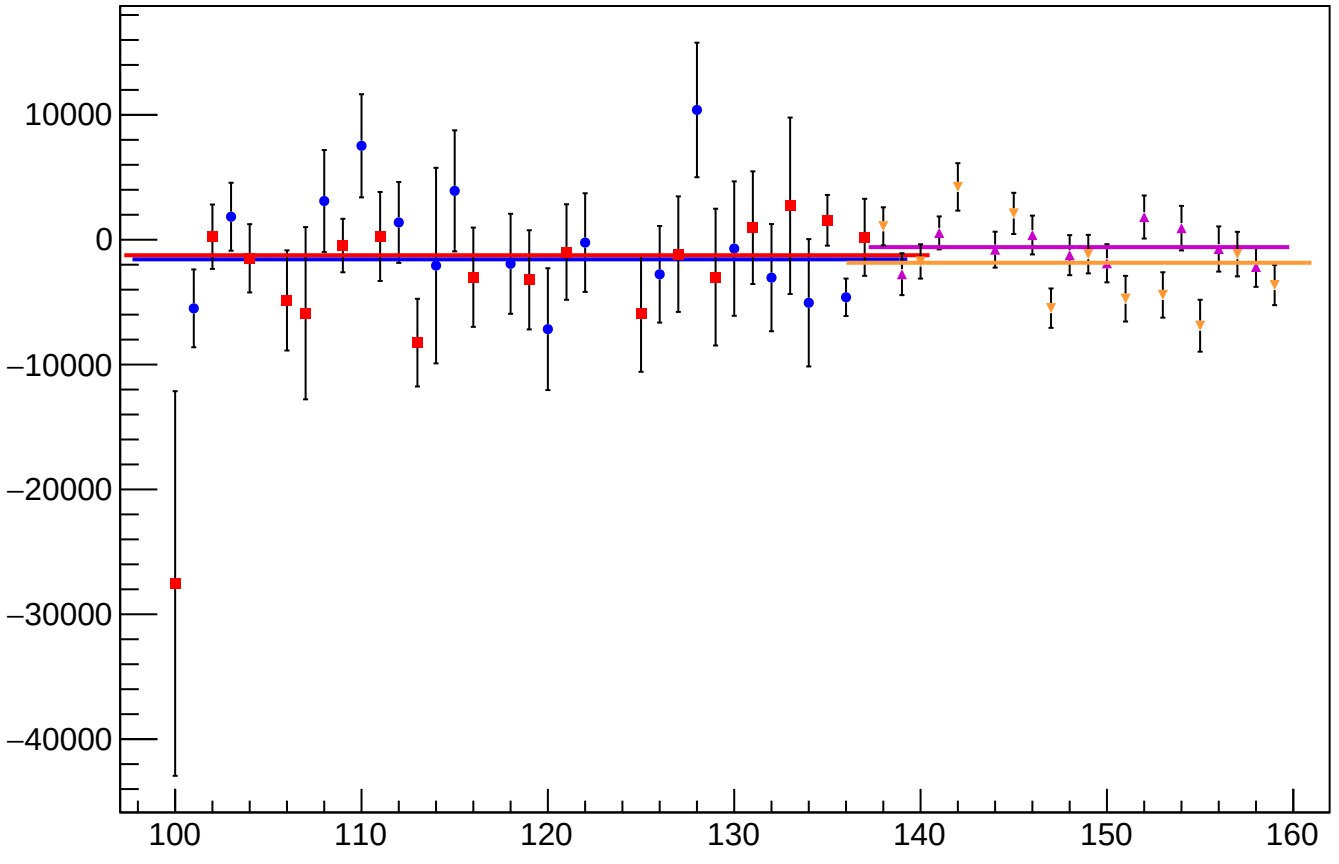
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2209.424+/-0.529 χ^2/NDF:25114.7/9

+ sign 2169.883+/-0.385 χ^2/NDF: 210907.5/26

All: 2168.167+/-0.273 χ^2/NDF: 413728.1/54

- sign 2166.449+/-0.386 χ^2/NDF: 202780.9/27



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1844.750+/-502.484 χ^2/NDF:36.9/10

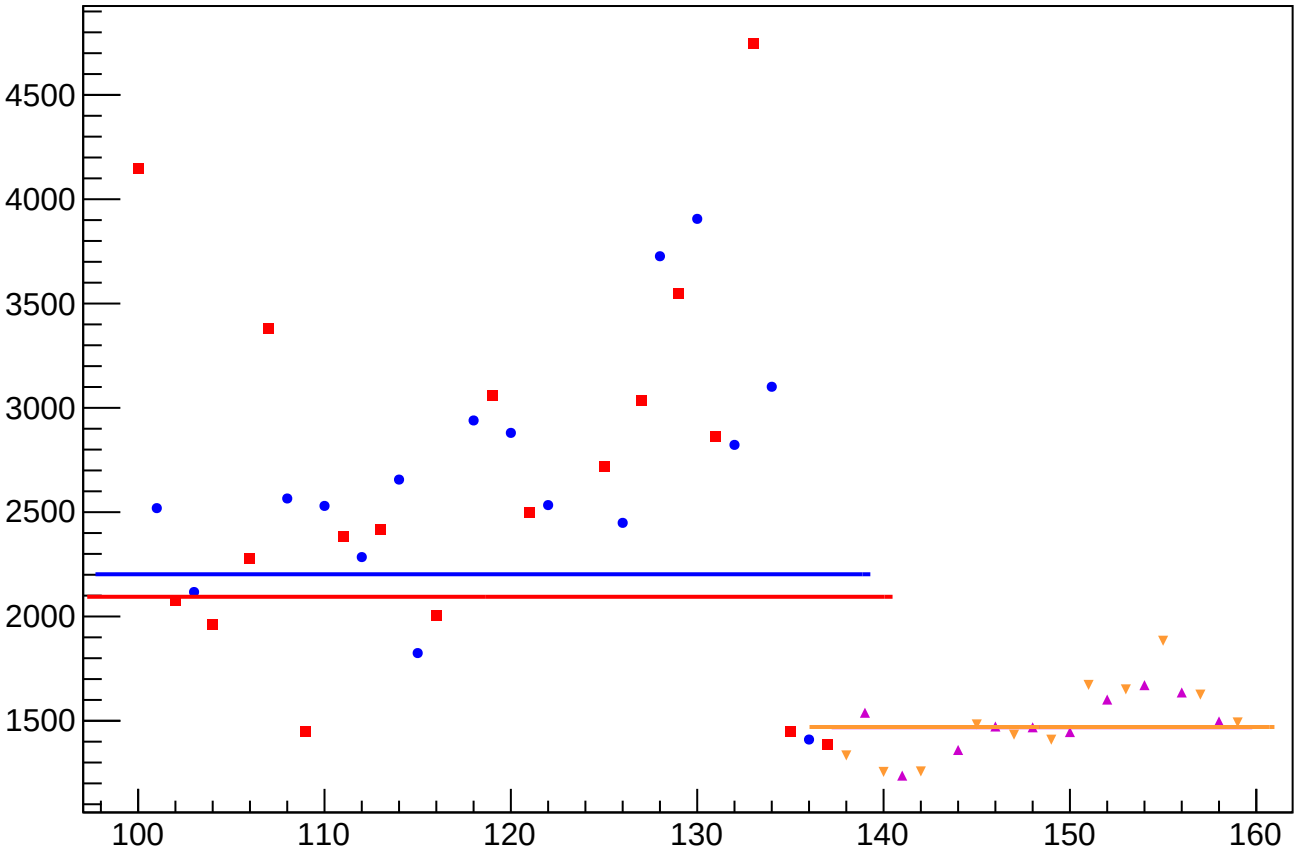
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -591.923+/-500.480 χ^2/NDF:7.4/9

+ sign -1775.065+/-433.824 χ^2/NDF: 59.6/26

All: -1263.829+/-304.379 χ^2/NDF: 83.2/54

- sign -768.166+/-427.166 χ^2/NDF: 20.9/27



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

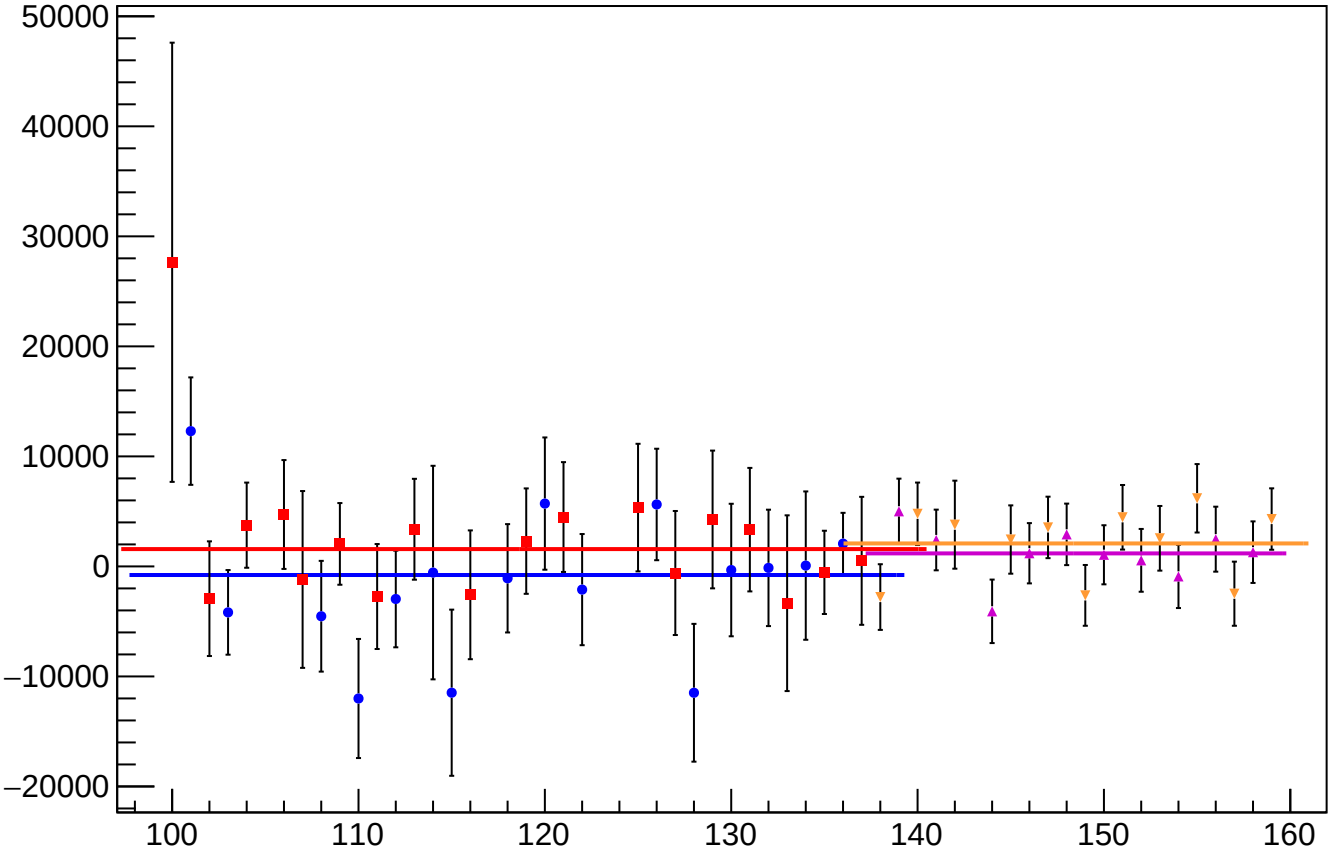
Left In: 1469.308+/-0.354 χ^2/NDF:132071.0/9

+ sign 1656.693+/-0.307 χ^2/NDF: 2537125.9/26

All: 1647.734+/-0.215 χ^2/NDF: 4891778.0/54

- sign 1639.048+/-0.302 χ^2/NDF: 2352972.1/27

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

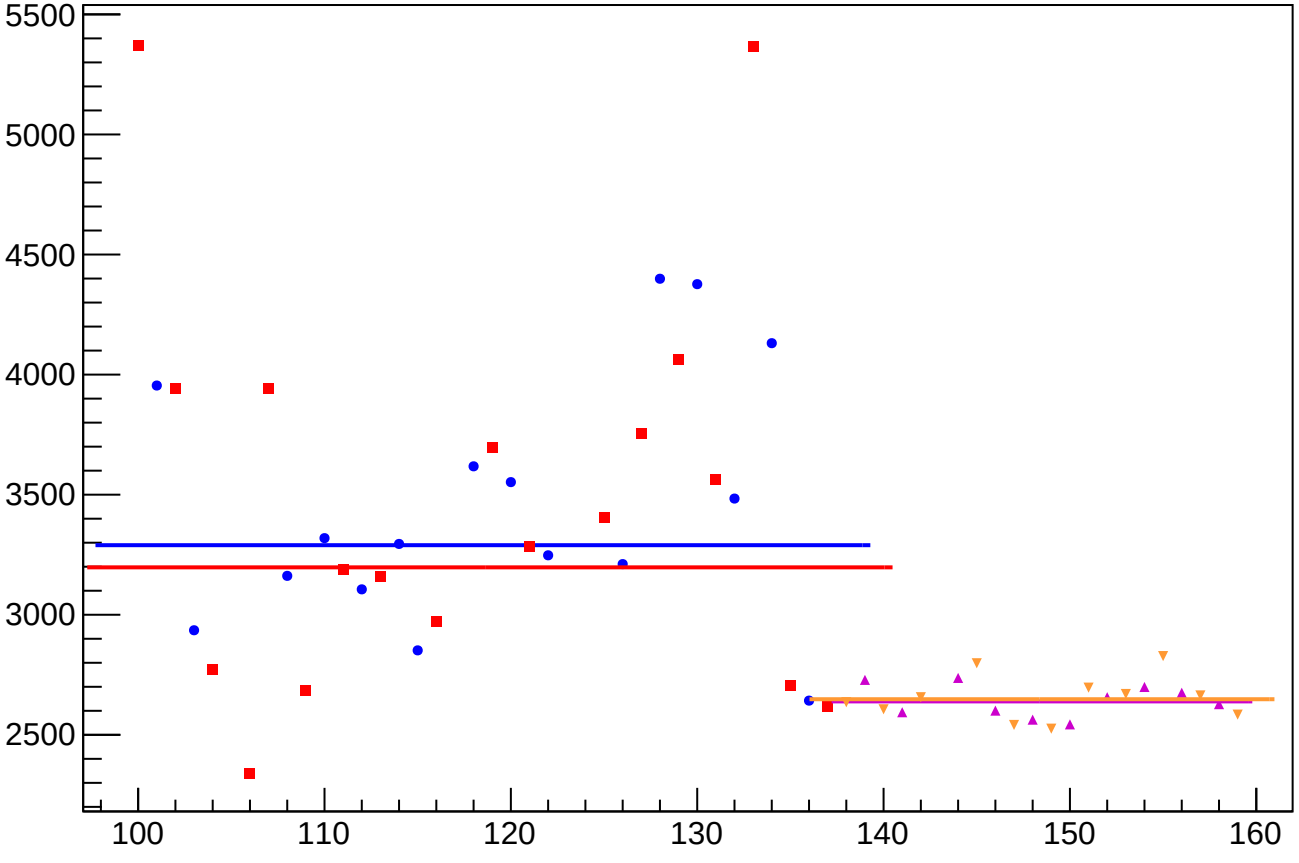
Left In: 1182.976+/-893.976 χ^2/NDF:6.3/9

+ sign 1103.805+/-727.065 χ^2/NDF: 37.9/26

All: 1212.811+/-511.914 χ^2/NDF: 51.1/54

- sign 1319.971+/-720.886 χ^2/NDF: 13.1/27

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

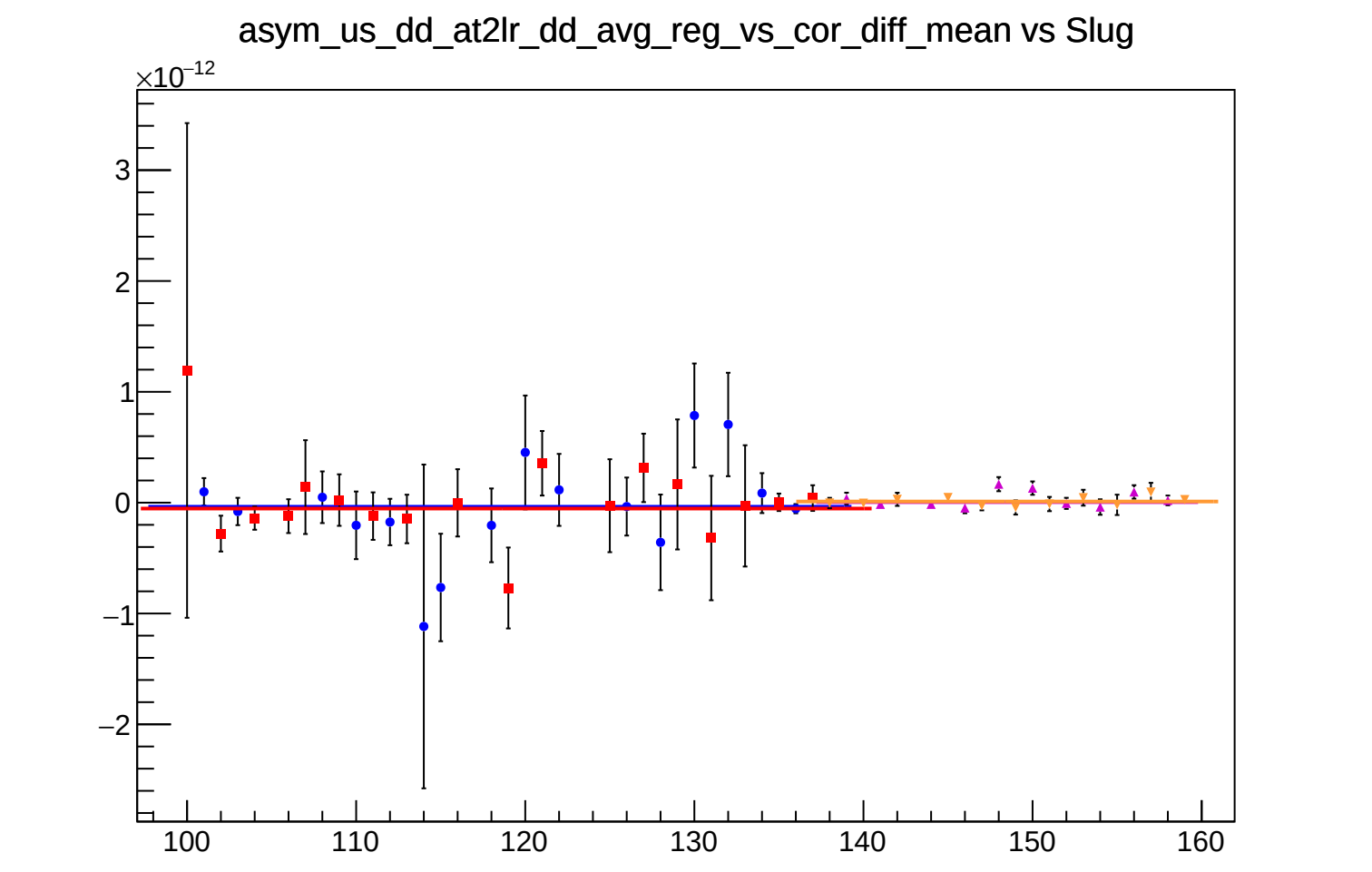
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

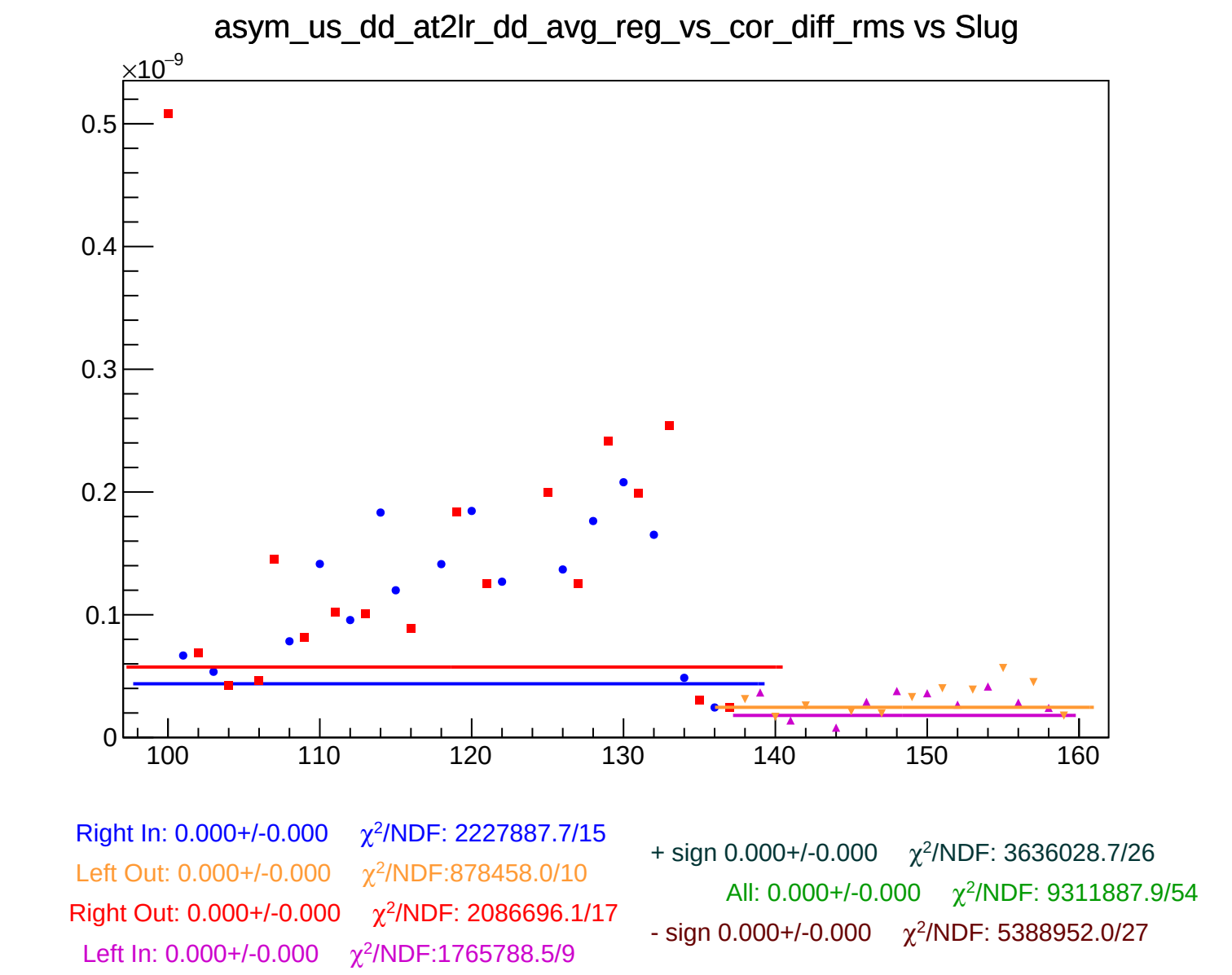
Left In: 2639.193+/-0.632 χ^2/NDF:10347.0/9

+ sign 2868.163+/-0.514 χ^2/NDF: 718771.0/26

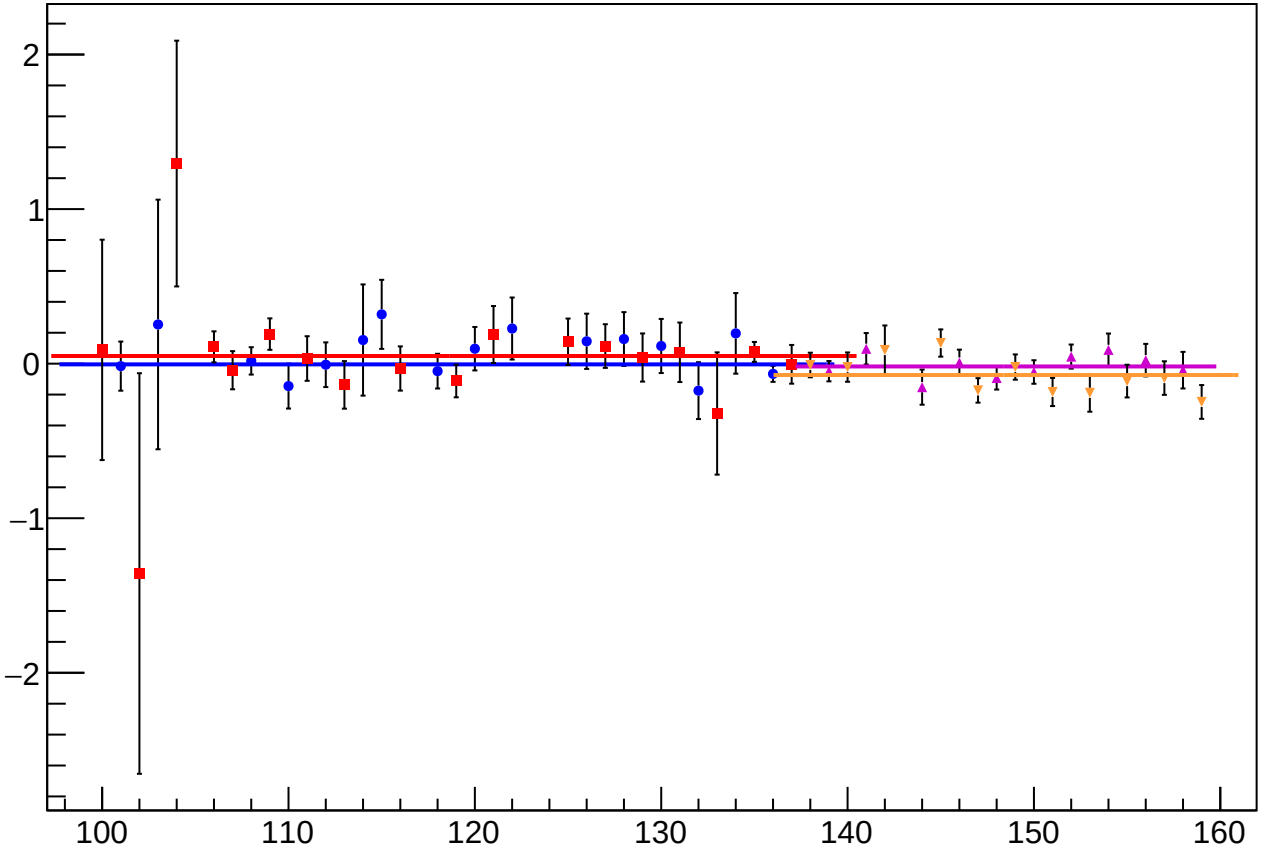
All: 2851.147+/-0.362 χ^2/NDF: 1503929.4/54

- sign 2834.419+/-0.510 χ^2/NDF: 782986.1/27


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4.7/10
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:16.9/9
+ sign 0.000+/-0.000 χ²/NDF: 19.4/26
All: 0.000+/-0.000 χ²/NDF: 50.6/54
- sign 0.000+/-0.000 χ²/NDF: 31.2/27


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:878458.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:1765788.5/9
+ sign 0.000+/-0.000 χ²/NDF: 3636028.7/26
All: 0.000+/-0.000 χ²/NDF: 9311887.9/54
- sign 0.000+/-0.000 χ²/NDF: 5388952.0/27

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.073+/-0.029 χ^2/NDF:14.5/10

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

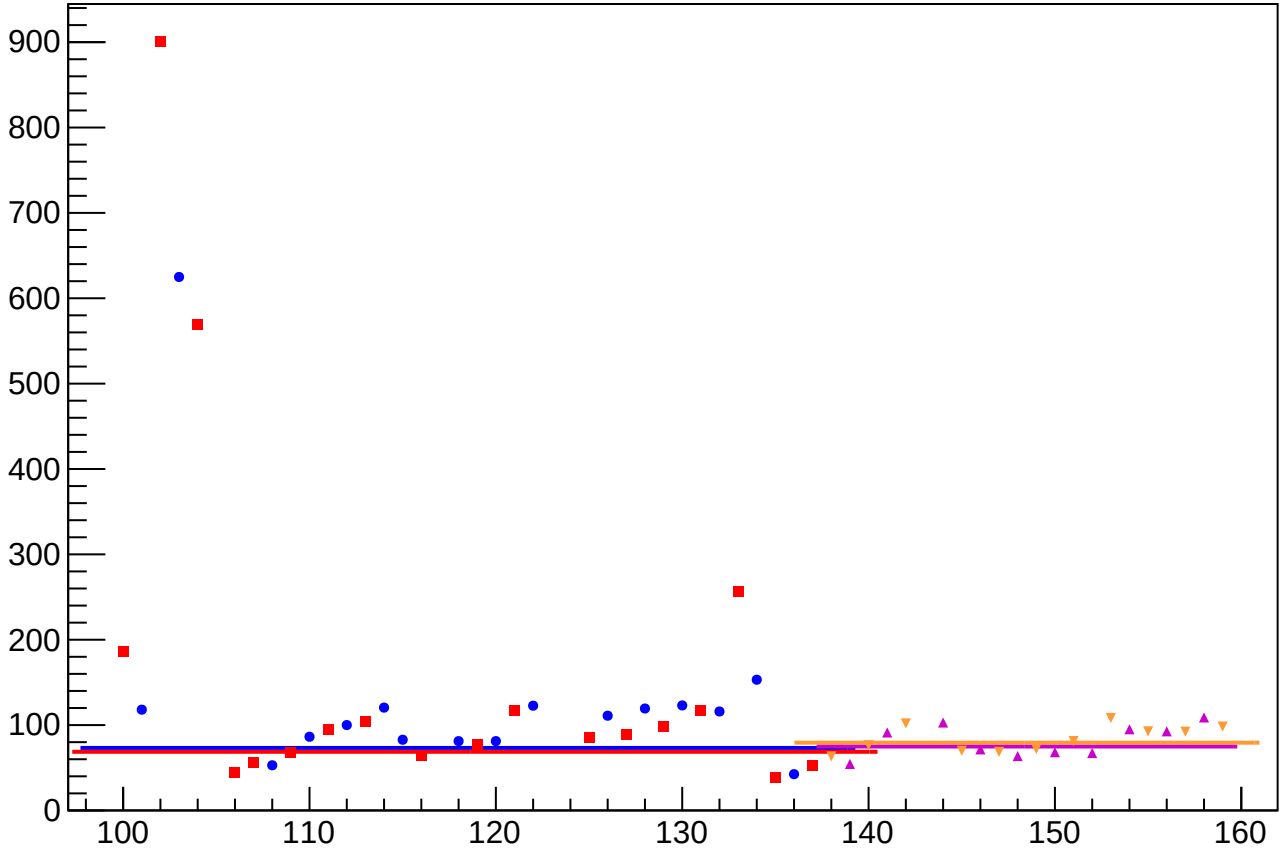
Left In: -0.018+/-0.028 χ^2/NDF:6.1/9

+ sign -0.043+/-0.022 χ^2/NDF: 27.4/26

All: -0.015+/-0.015 χ^2/NDF: 52.3/54

- sign 0.011+/-0.021 χ^2/NDF: 21.7/27

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

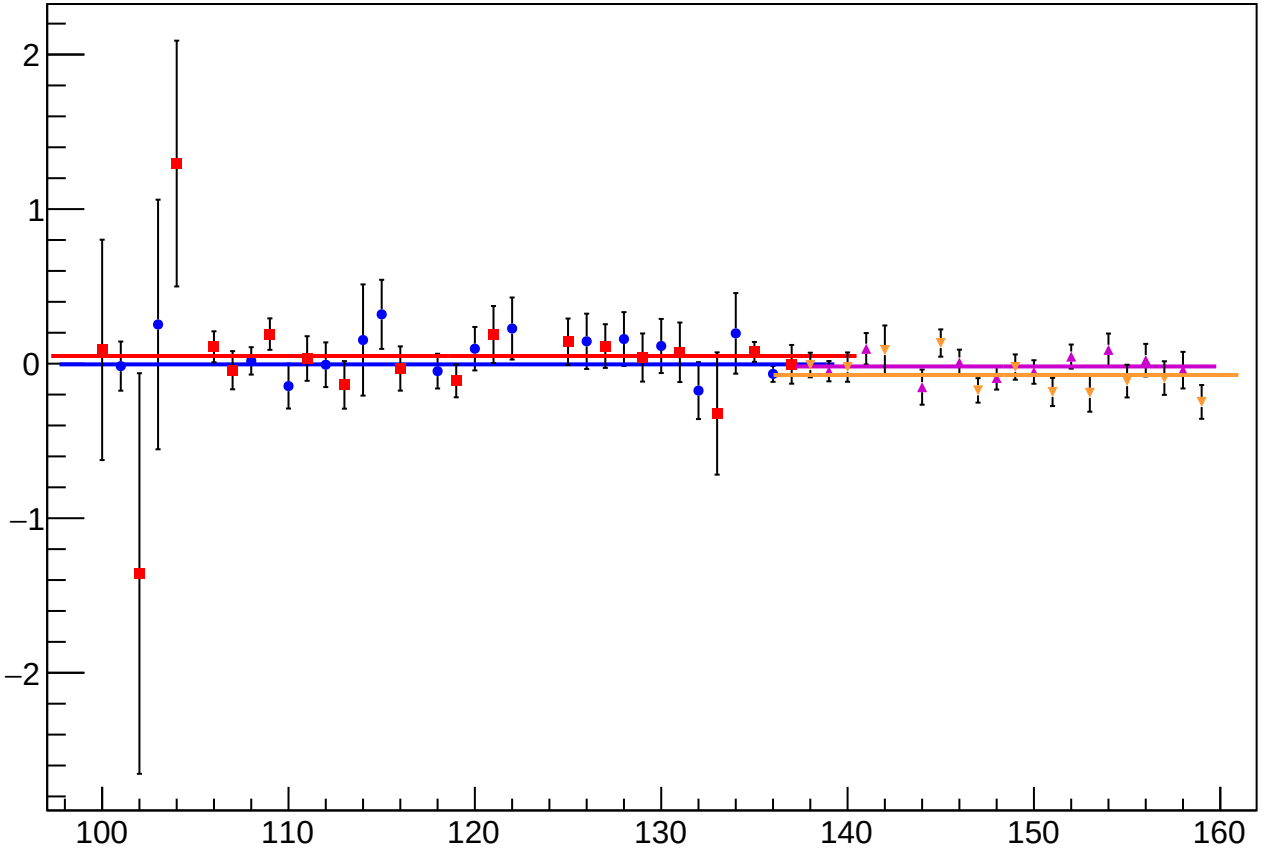
Left In: 74.908+/-0.019 χ^2/NDF:745603.3/9

+ sign 76.656+/-0.015 χ^2/NDF: 3326913.8/26

All: 74.371+/-0.011 χ^2/NDF: 7491159.7/54

- sign 72.243+/-0.015 χ^2/NDF: 4120764.0/27

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.073+/-0.029 χ^2/NDF:14.5/10

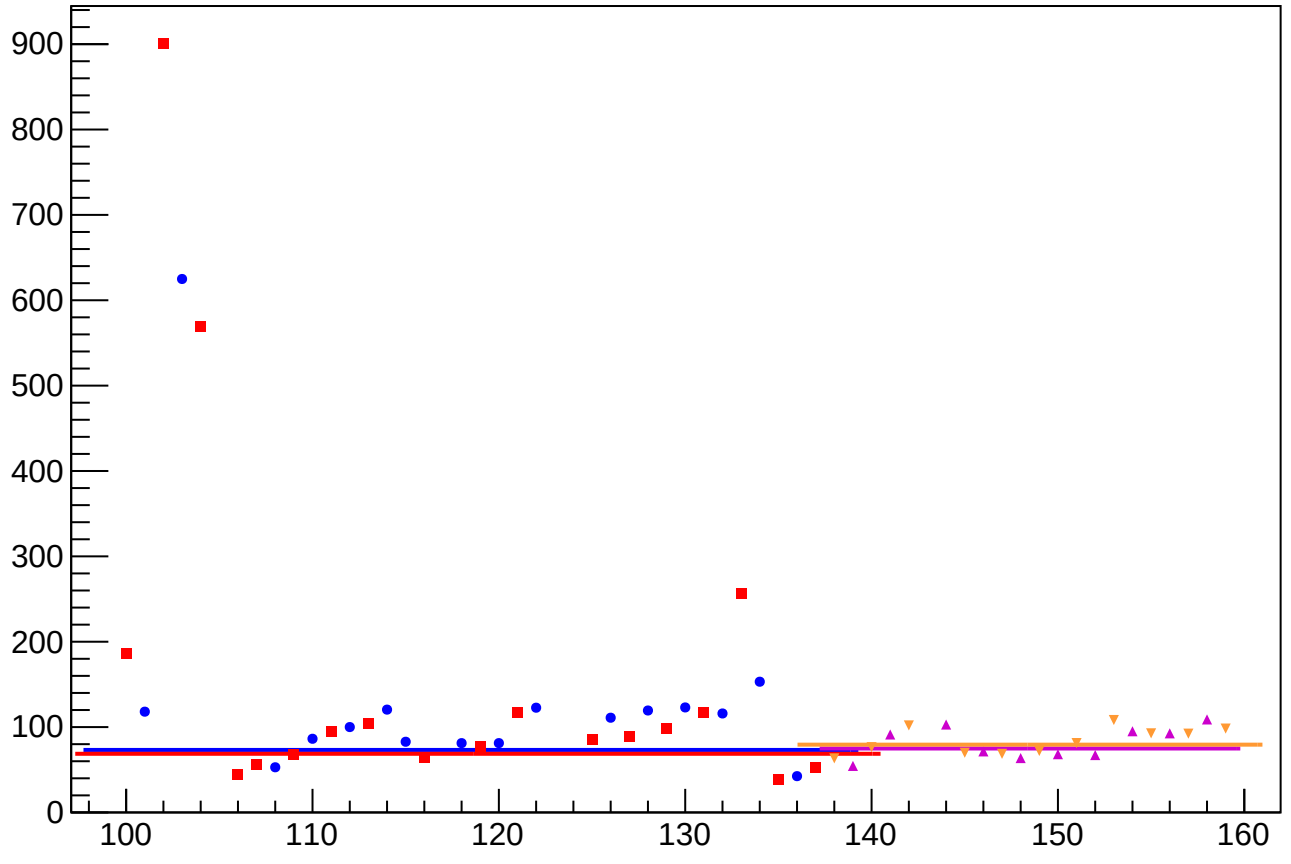
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.018+/-0.028 χ^2/NDF:6.1/9

+ sign -0.043+/-0.022 χ^2/NDF: 27.4/26

All: -0.015+/-0.015 χ^2/NDF: 52.3/54

- sign 0.011+/-0.021 χ^2/NDF: 21.7/27



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 79.420+/-0.020 χ^2/NDF:431547.9/10

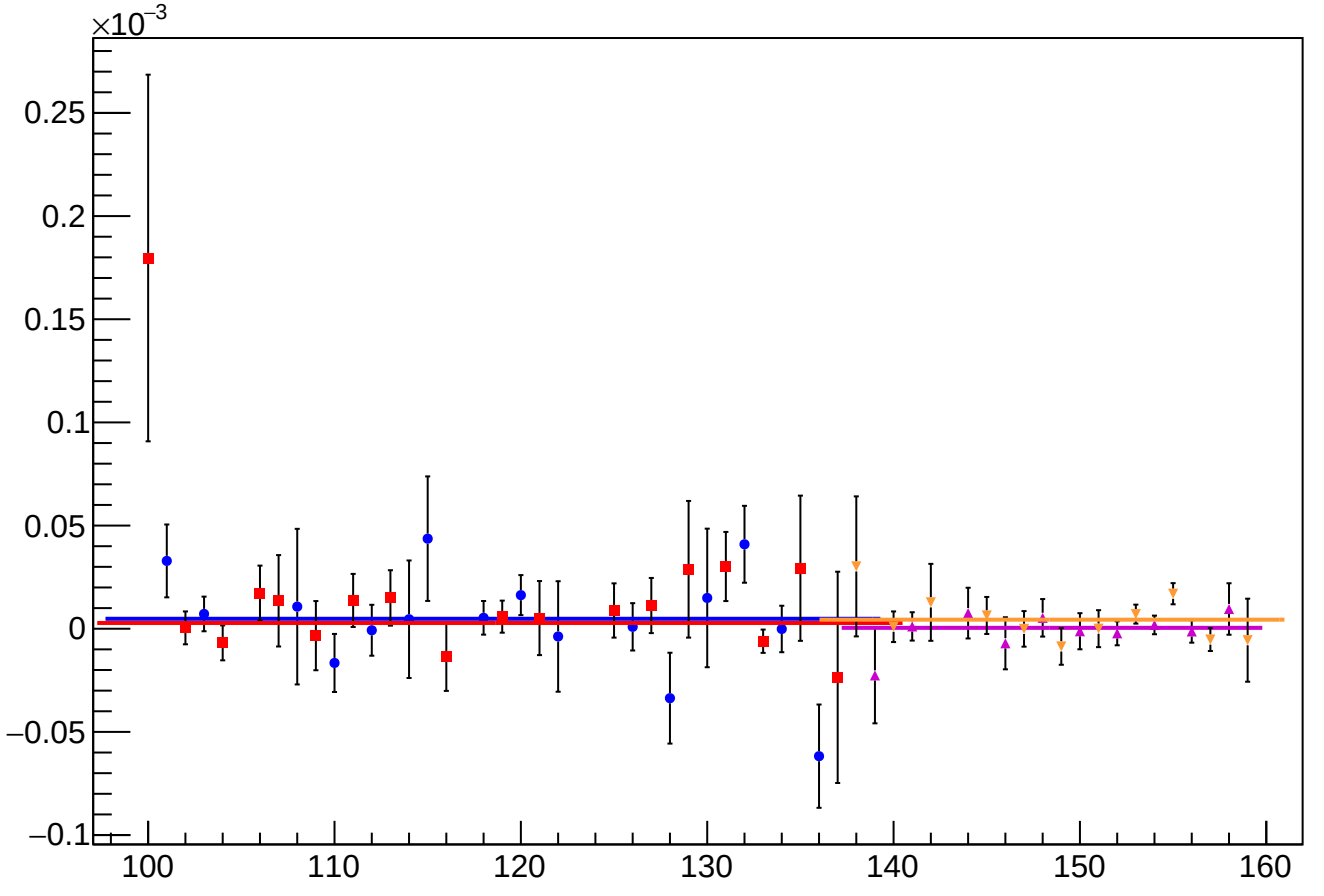
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 74.908+/-0.019 χ^2/NDF:745603.3/9

+ sign 76.656+/-0.015 χ^2/NDF: 3326913.8/26

All: 74.371+/-0.011 χ^2/NDF: 7491159.7/54

- sign 72.243+/-0.015 χ^2/NDF: 4120764.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/10

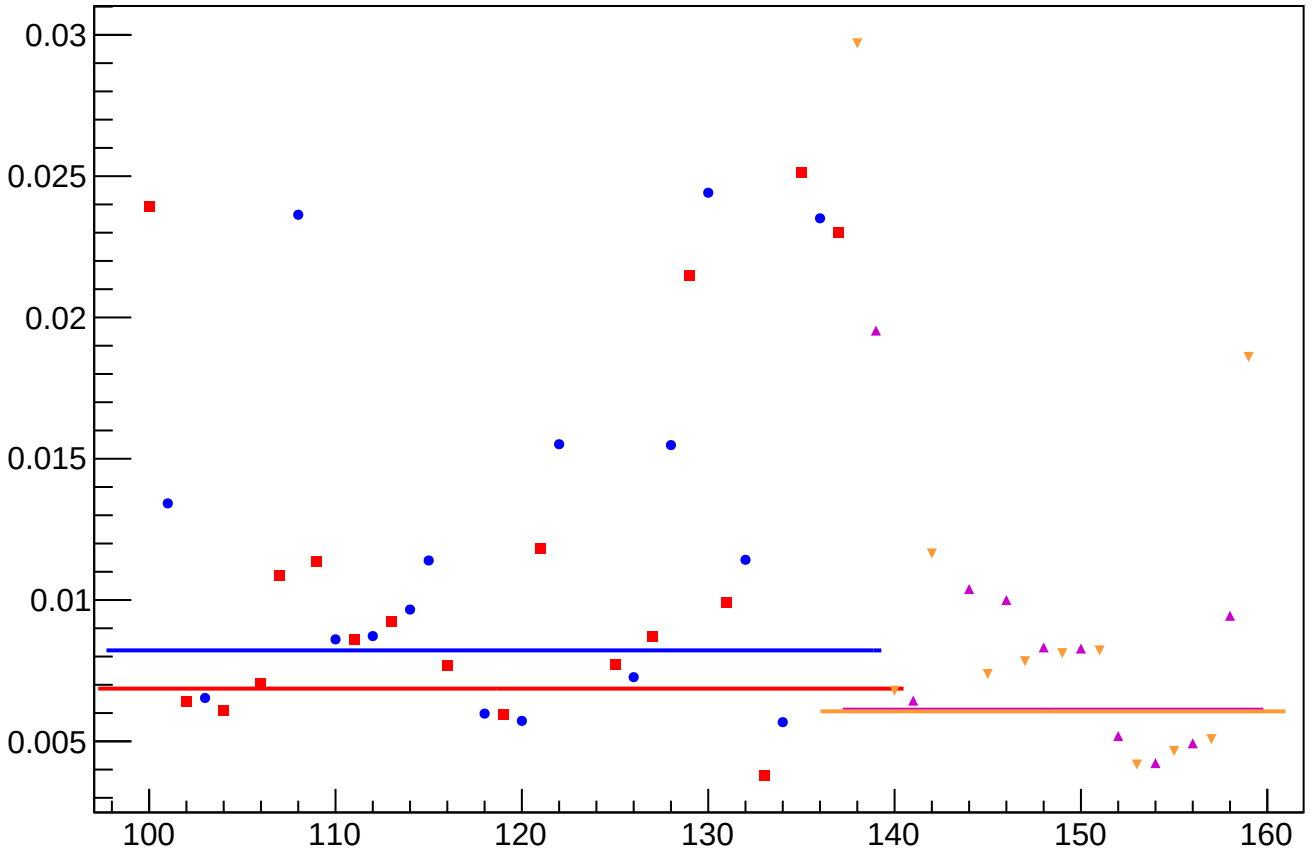
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/26

All: 0.000+/-0.000 χ^2/NDF: 57.4/54

- sign 0.000+/-0.000 χ^2/NDF: 20.1/27



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:2843702.6/10

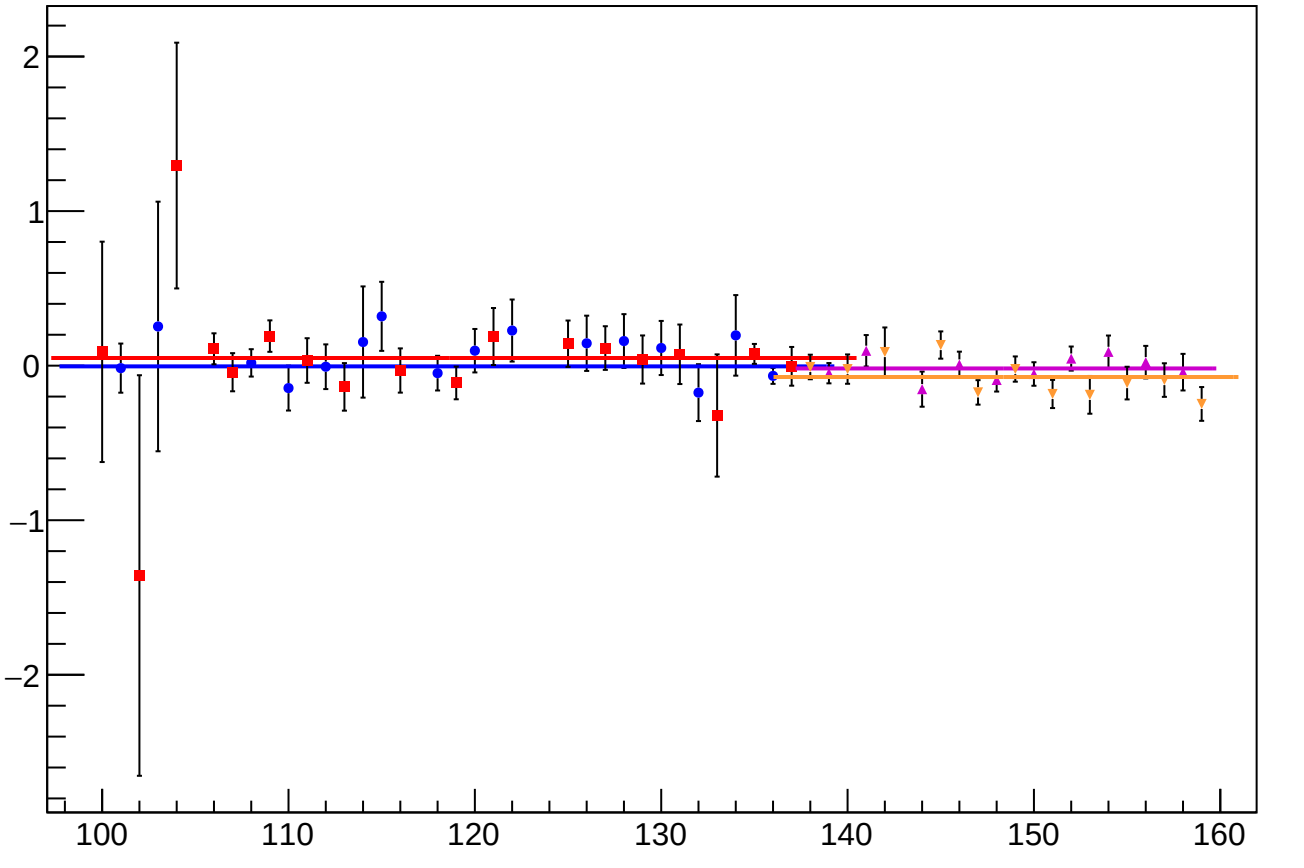
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:1981170.0/9

+ sign 0.007+/-0.000 χ^2/NDF: 6035532.1/26

All: 0.007+/-0.000 χ^2/NDF: 10547679.1/54

- sign 0.006+/-0.000 χ^2/NDF: 4489525.2/27



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.073+/-0.029 χ^2/NDF:14.5/10

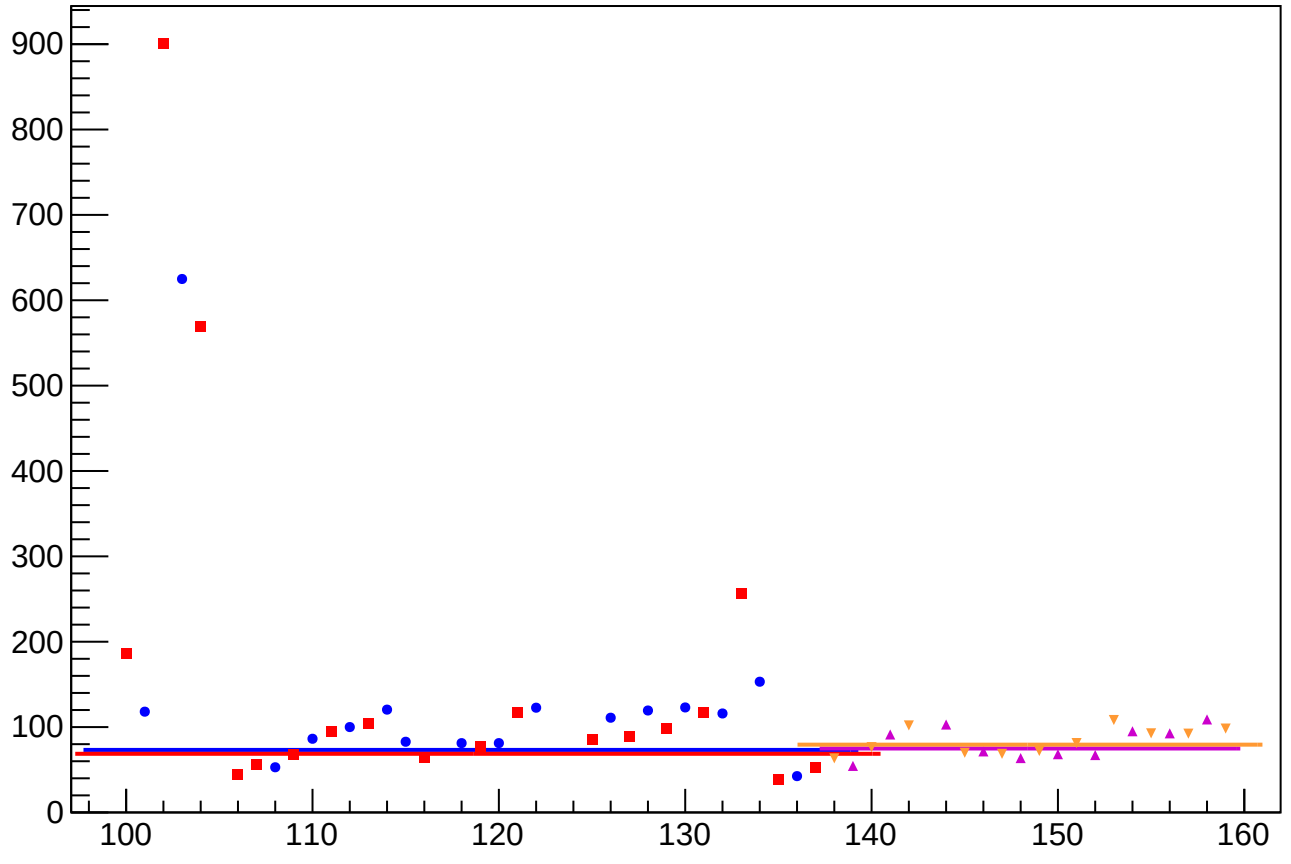
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.018+/-0.028 χ^2/NDF:6.1/9

+ sign -0.043+/-0.022 χ^2/NDF: 27.4/26

All: -0.015+/-0.015 χ^2/NDF: 52.3/54

- sign 0.011+/-0.021 χ^2/NDF: 21.7/27



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

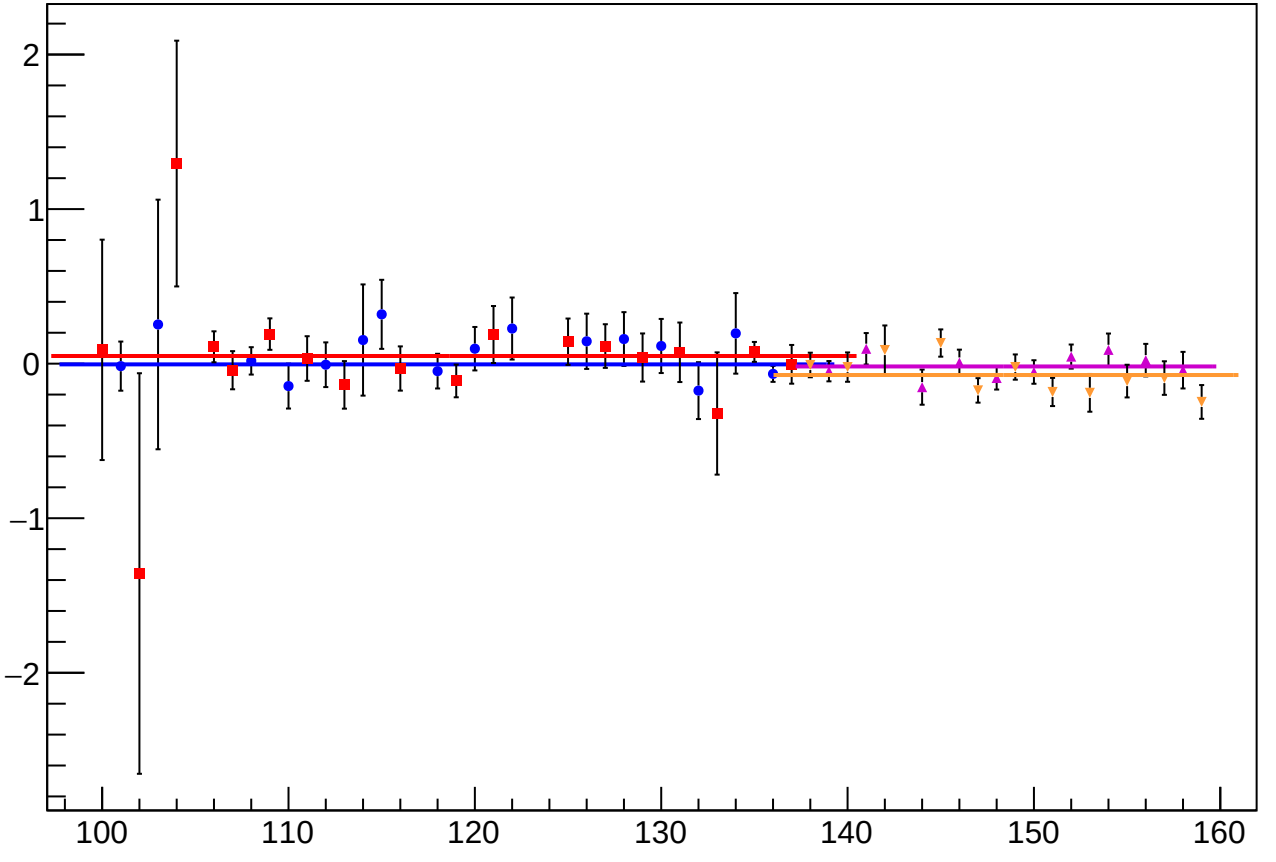
Left In: 74.910+/-0.019 χ^2/NDF:745373.6/9

+ sign 76.669+/-0.015 χ^2/NDF: 3324289.6/26

All: 74.374+/-0.011 χ^2/NDF: 7489814.2/54

- sign 72.239+/-0.015 χ^2/NDF: 4121727.5/27

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.073+/-0.029 χ^2/NDF:14.5/10

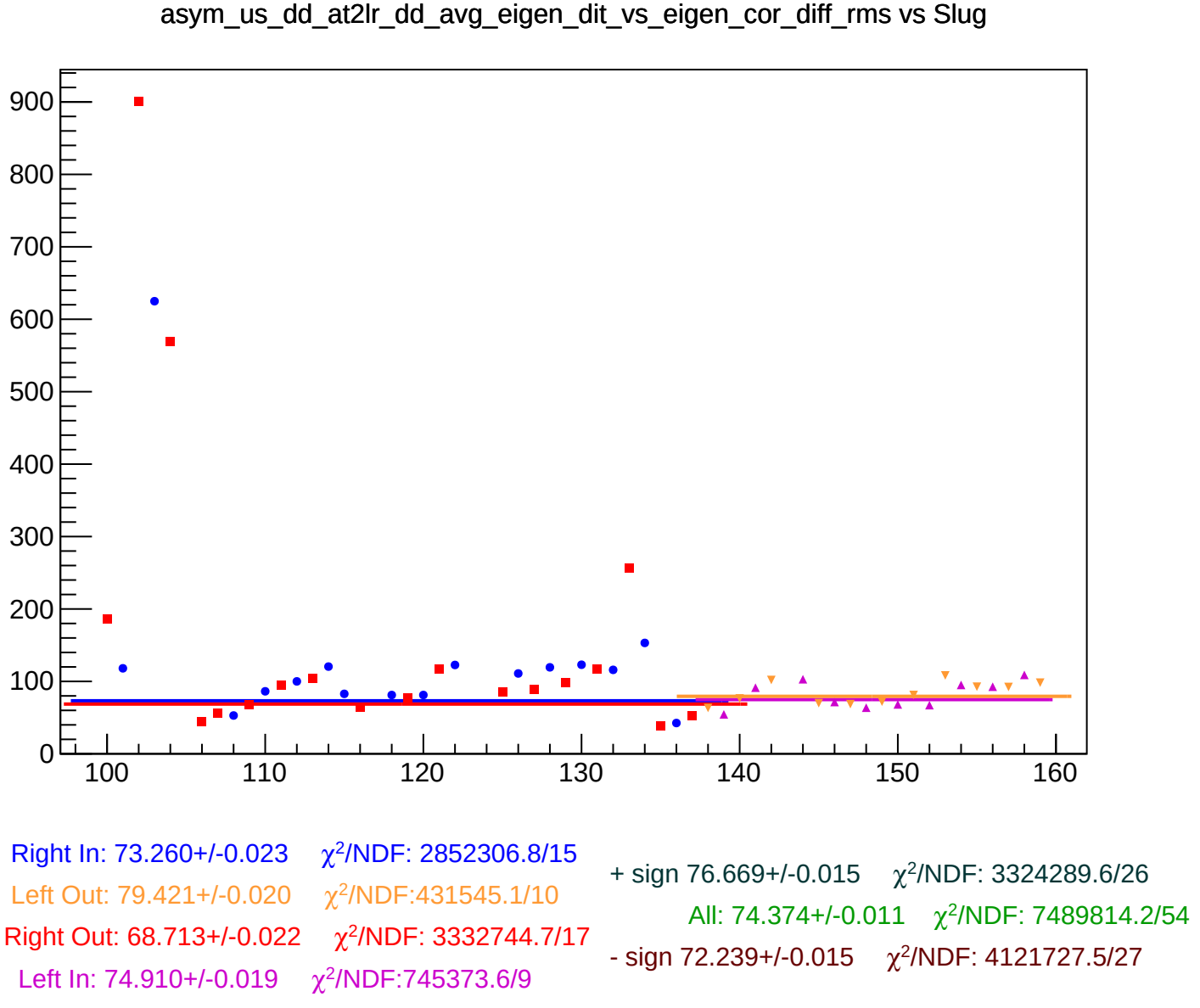
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

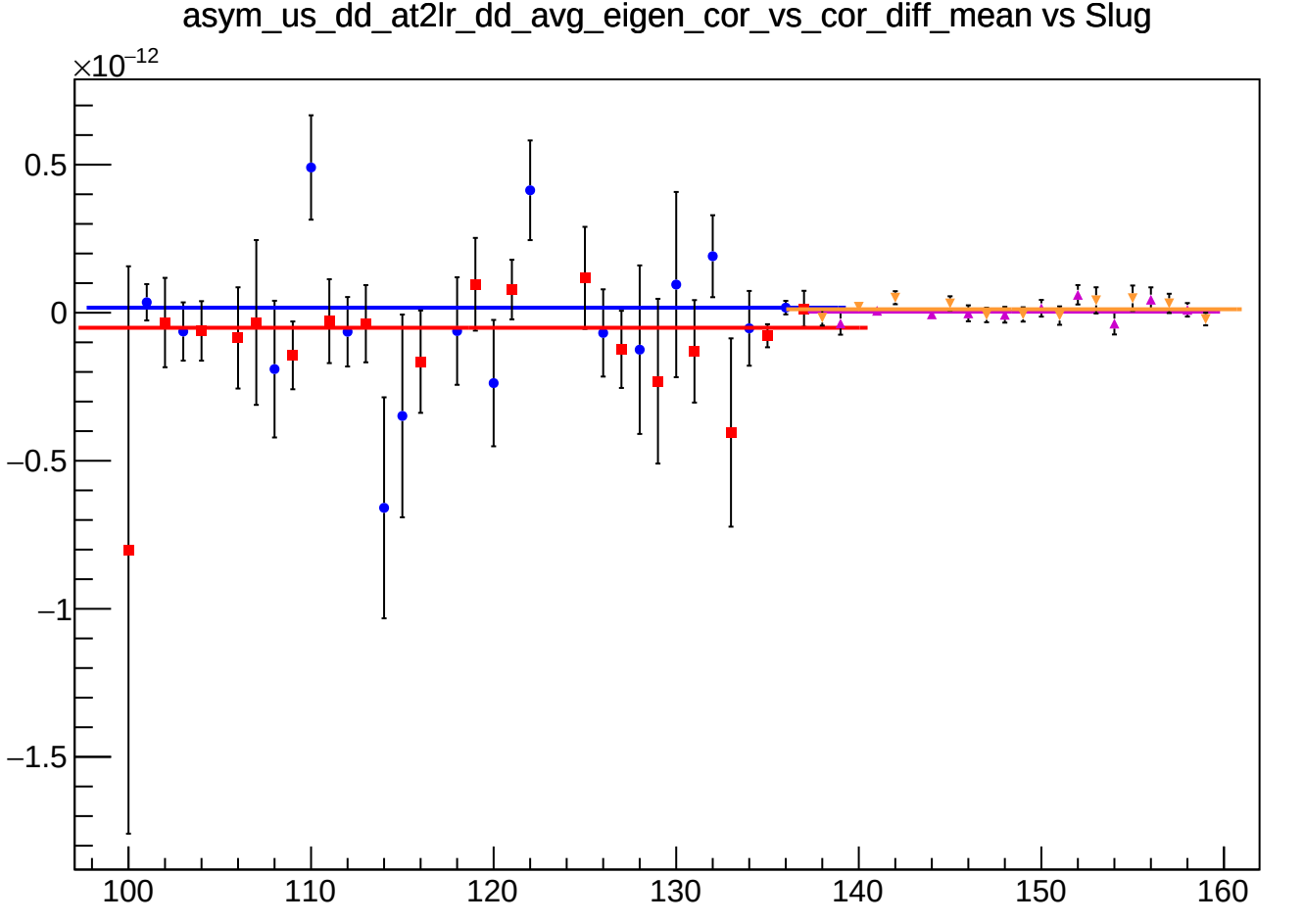
Left In: -0.018+/-0.028 χ^2/NDF:6.1/9

+ sign -0.043+/-0.022 χ^2/NDF: 27.4/26

All: -0.015+/-0.015 χ^2/NDF: 52.3/54

- sign 0.011+/-0.021 χ^2/NDF: 21.7/27


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 79.421+/-0.020 χ²/NDF:431545.1/10
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 74.910+/-0.019 χ²/NDF:745373.6/9
+ sign 76.669+/-0.015 χ²/NDF: 3324289.6/26
All: 74.374+/-0.011 χ²/NDF: 7489814.2/54
- sign 72.239+/-0.015 χ²/NDF: 4121727.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/10

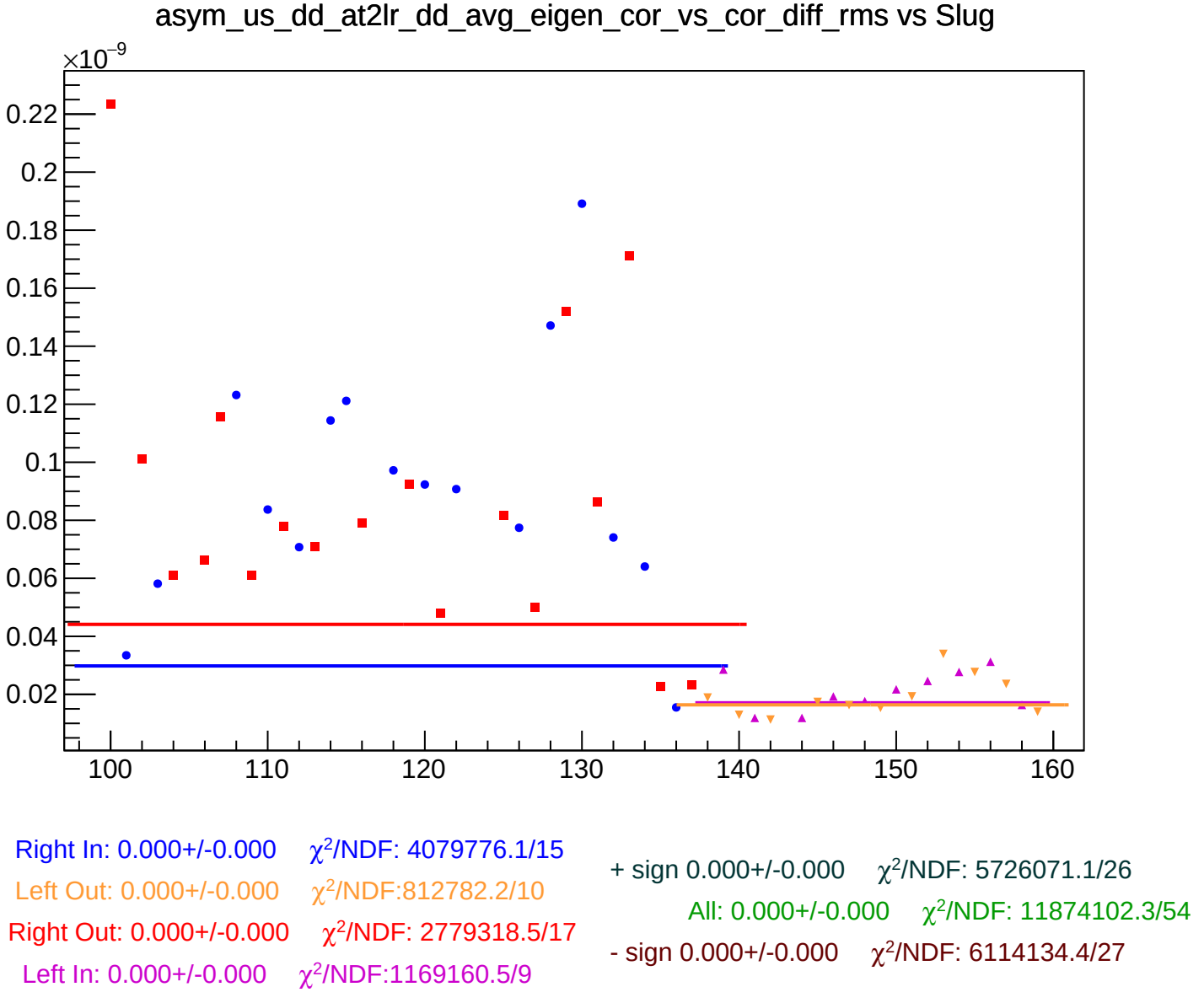
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.1/9

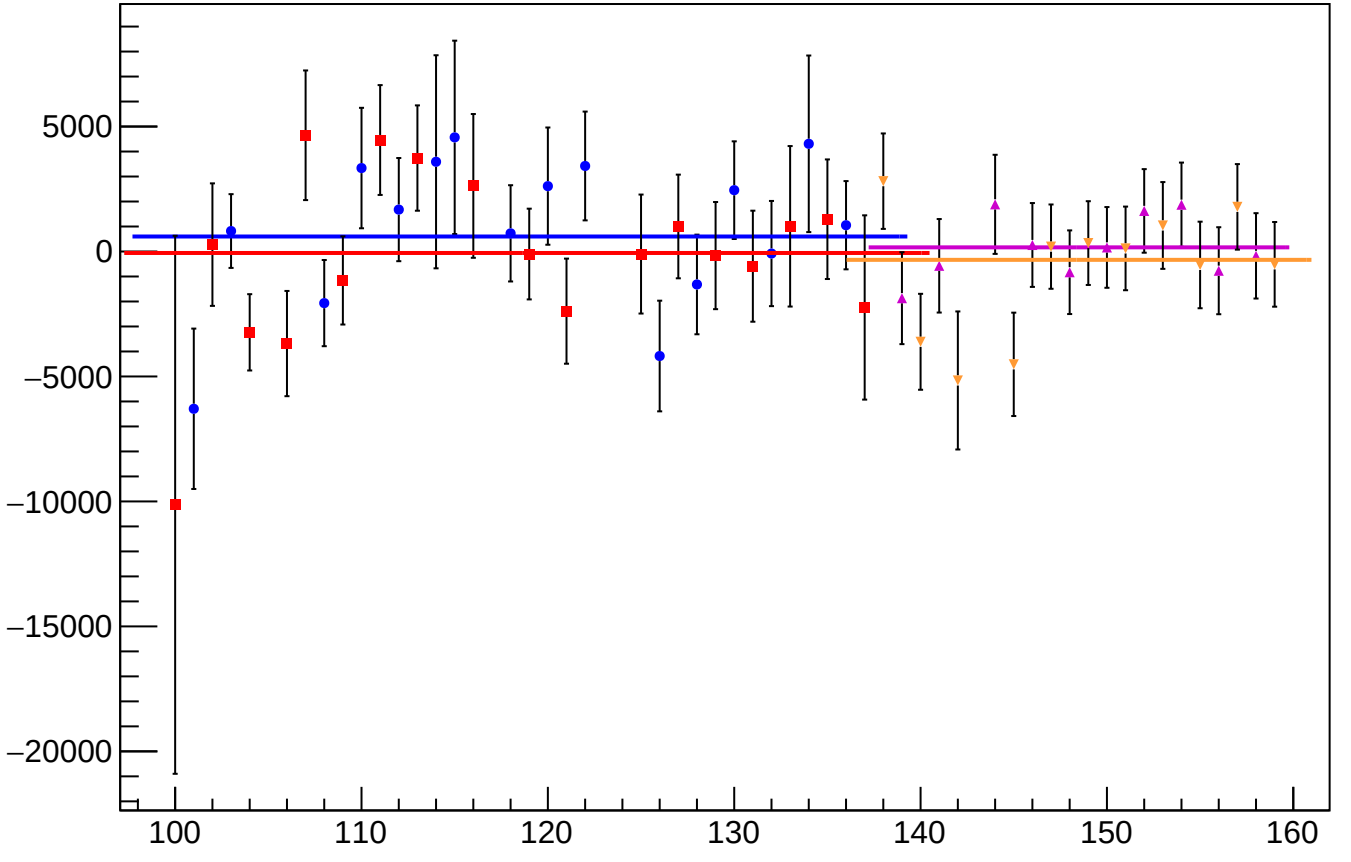
+ sign 0.000+/-0.000 χ^2/NDF: 34.2/26

All: 0.000+/-0.000 χ^2/NDF: 56.5/54

- sign -0.000+/-0.000 χ^2/NDF: 20.5/27


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:1169160.5/9
+ sign 0.000+/-0.000 χ²/NDF: 5726071.1/26
All: 0.000+/-0.000 χ²/NDF: 11874102.3/54
- sign 0.000+/-0.000 χ²/NDF: 6114134.4/27

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

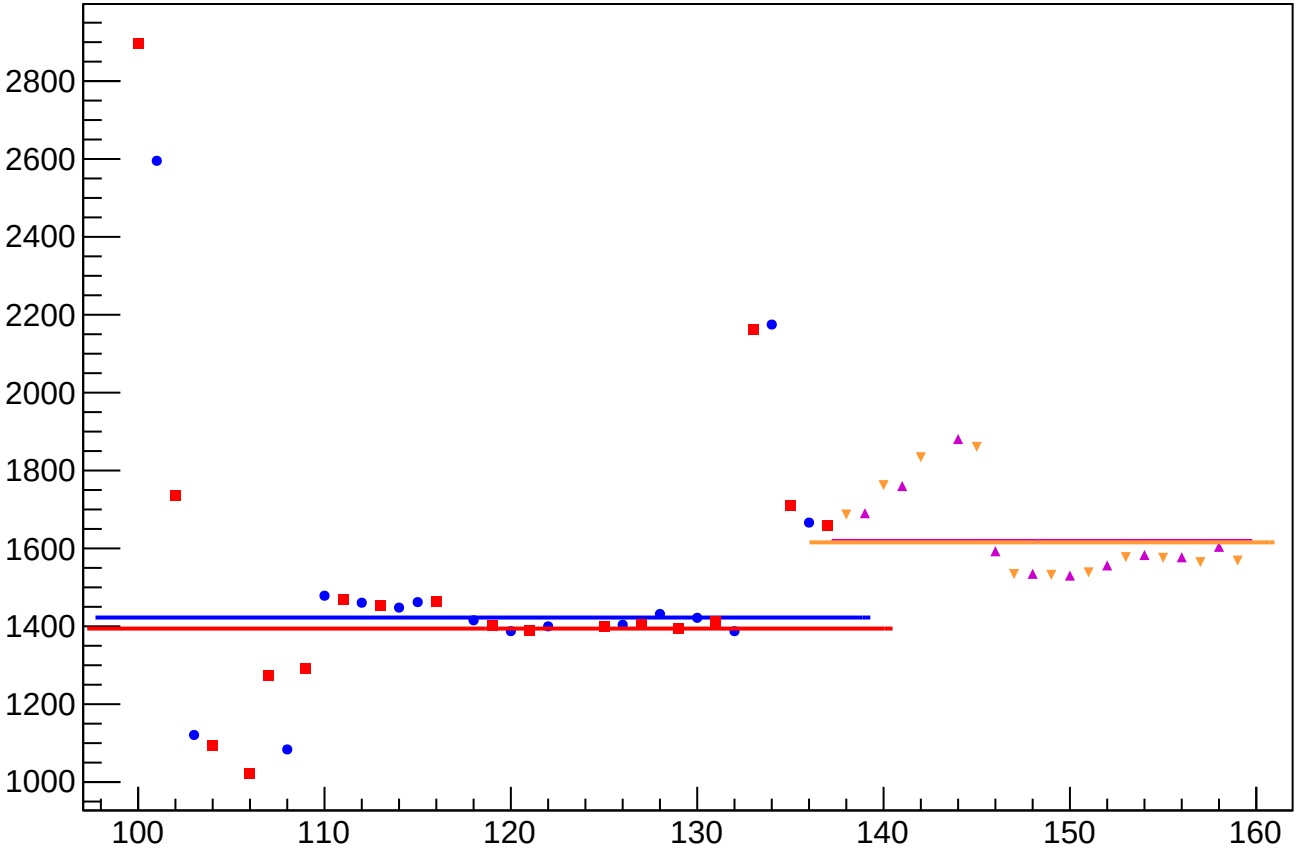
Left In: 165.800+/-549.301 χ^2/NDF:4.6/9

+ sign 139.907+/-384.636 χ^2/NDF: 37.1/26

All: 94.270+/-270.858 χ^2/NDF: 64.4/54

- sign 49.378+/-381.484 χ^2/NDF: 27.2/27

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

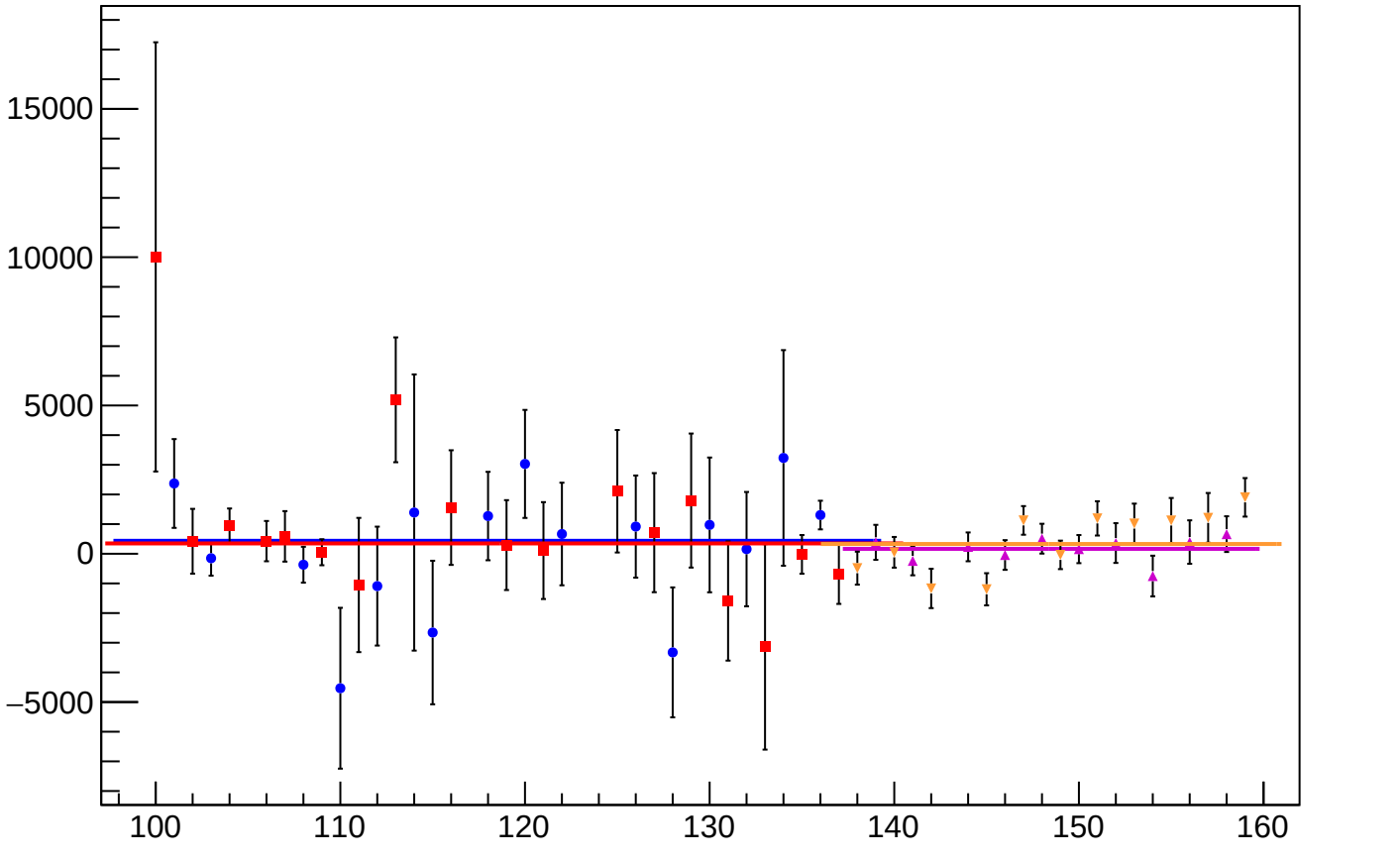
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

+ sign 1517.637+/-0.272 χ^2/NDF: 760507.0/26

All: 1510.122+/-0.192 χ^2/NDF: 1395429.9/54

- sign 1502.729+/-0.270 χ^2/NDF: 633408.2/27



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 329.193+/-176.785 χ^2/NDF:30.1/10

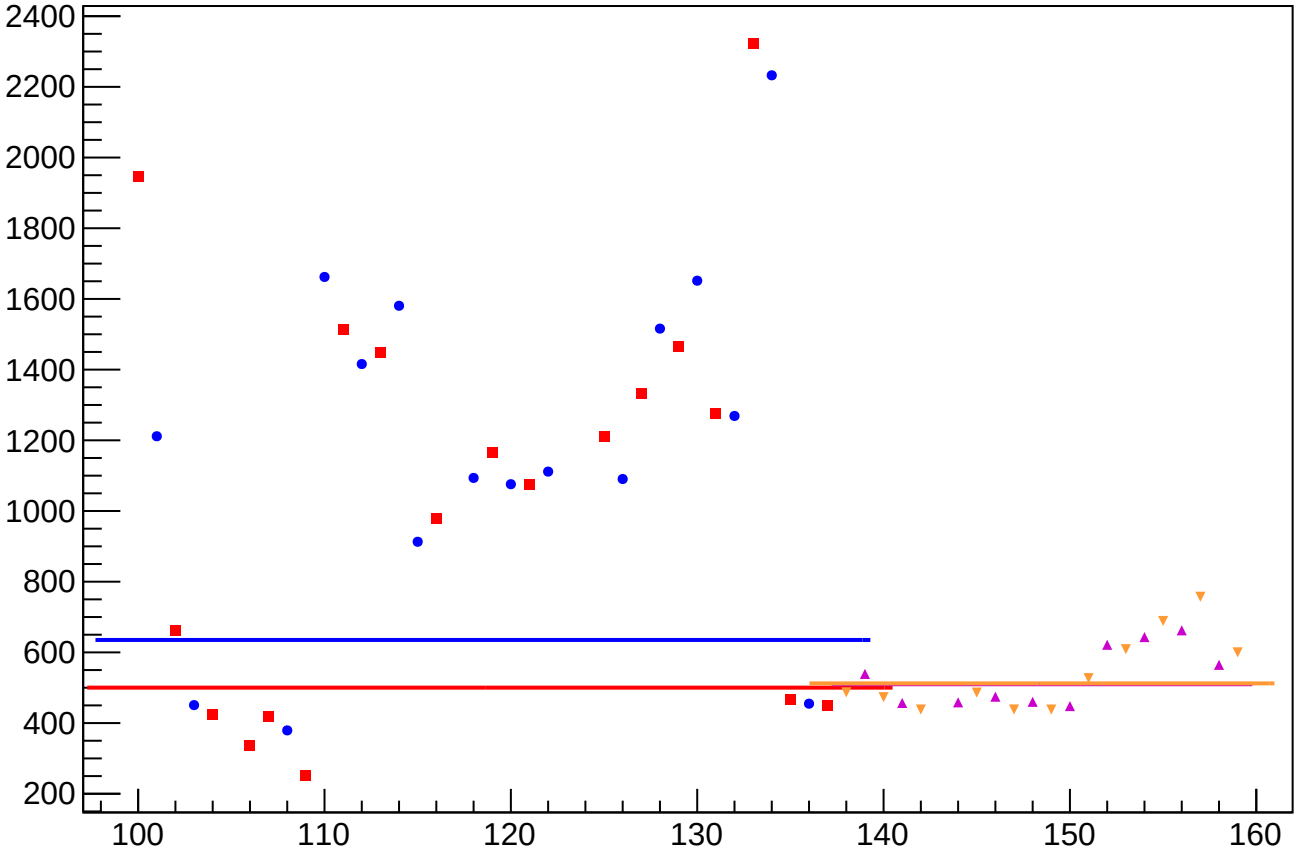
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 165.383+/-174.898 χ^2/NDF:4.1/9

+ sign 360.426+/-148.853 χ^2/NDF: 49.6/26

All: 291.837+/-101.995 χ^2/NDF: 68.4/54

- sign 231.132+/-140.037 χ^2/NDF: 18.4/27



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 512.253+/-0.125 χ^2/NDF:497636.6/10

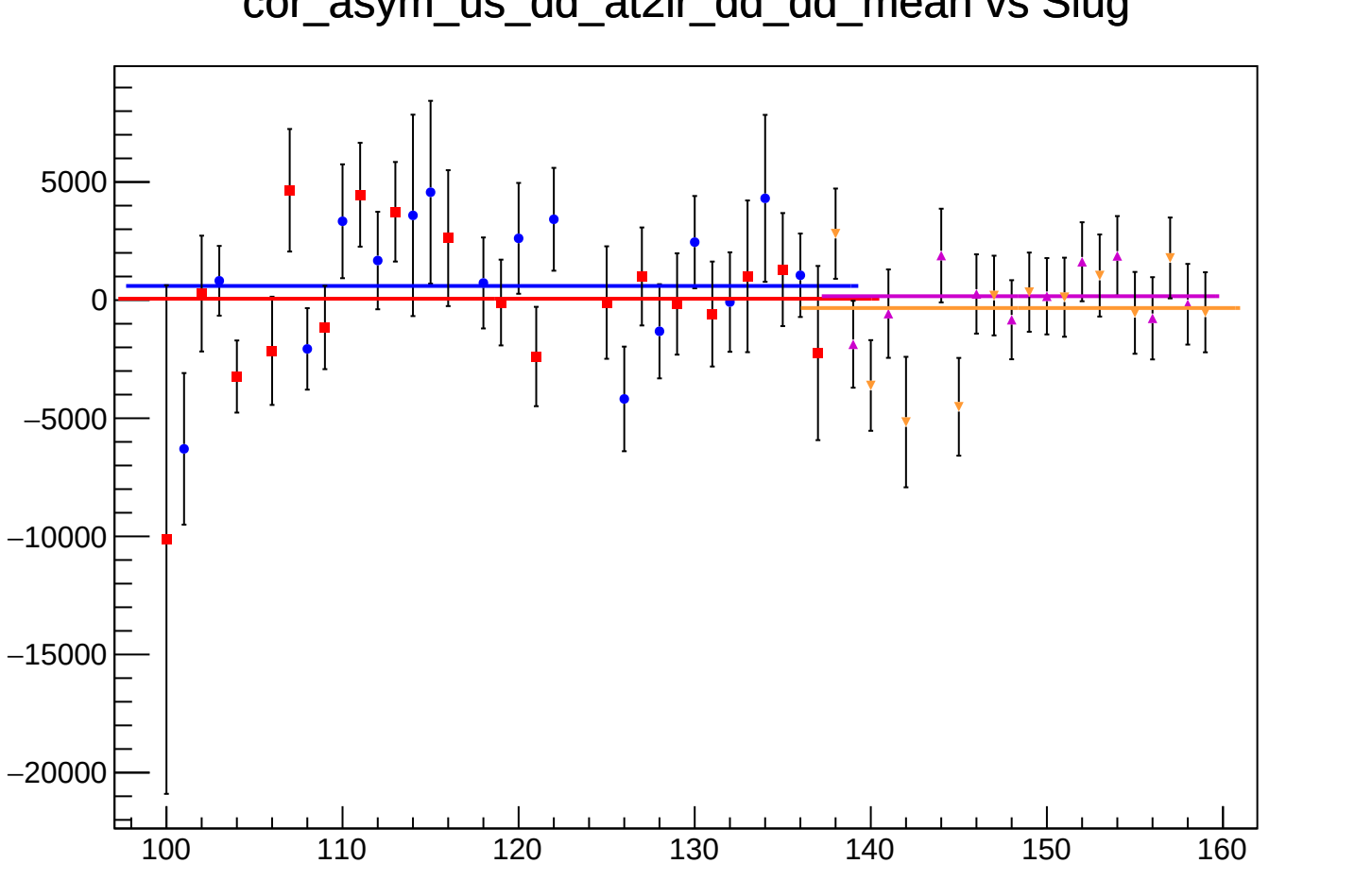
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 509.881+/-0.124 χ^2/NDF:348691.2/9

+ sign 548.017+/-0.105 χ^2/NDF: 4531453.8/26

All: 525.949+/-0.072 χ^2/NDF: 9274288.8/54

- sign 506.417+/-0.099 χ^2/NDF: 4659969.3/27



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

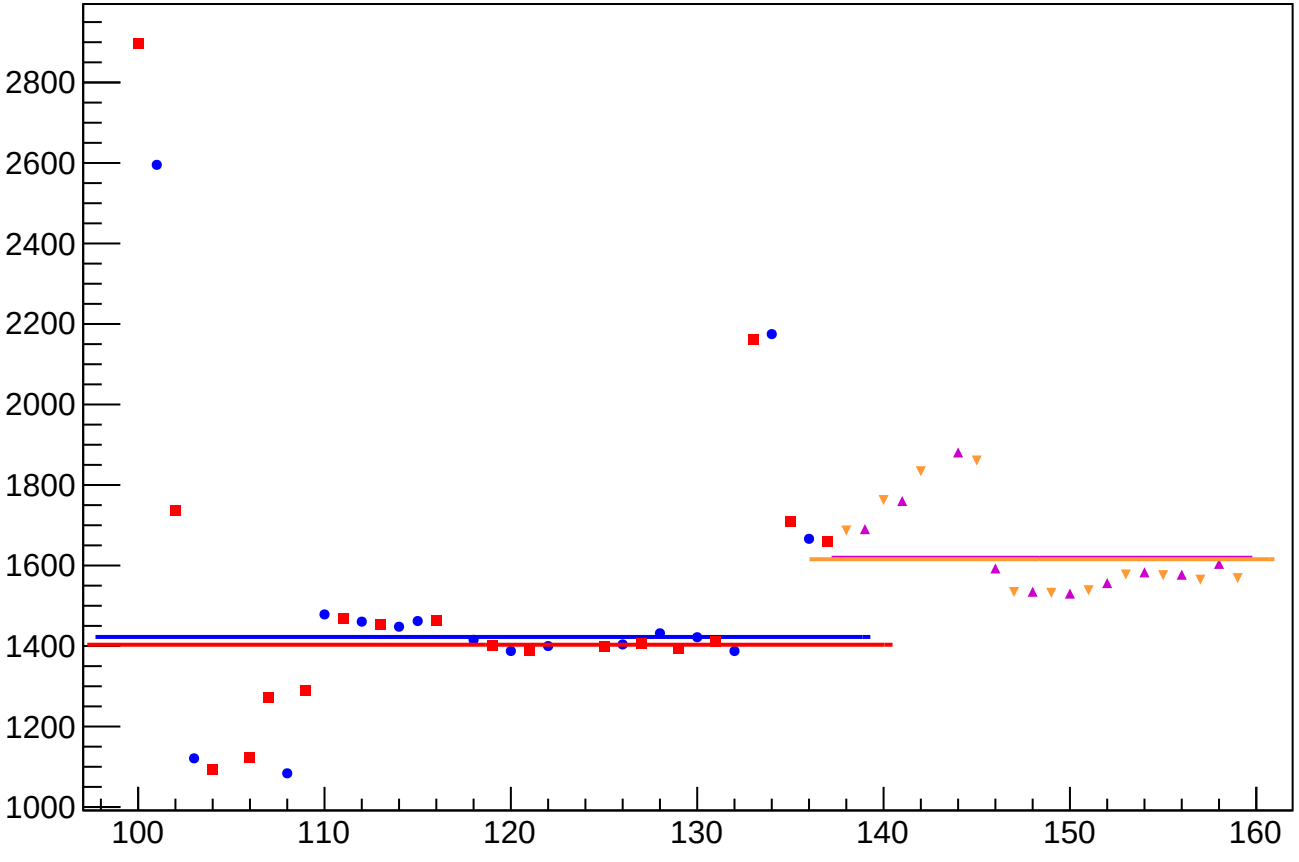
Left In: 165.773+/-549.301 χ^2/NDF:4.6/9

+ sign 139.771+/-384.636 χ^2/NDF: 37.1/26

All: 125.536+/-271.205 χ^2/NDF: 62.1/54

- sign 111.462+/-382.457 χ^2/NDF: 25.0/27

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

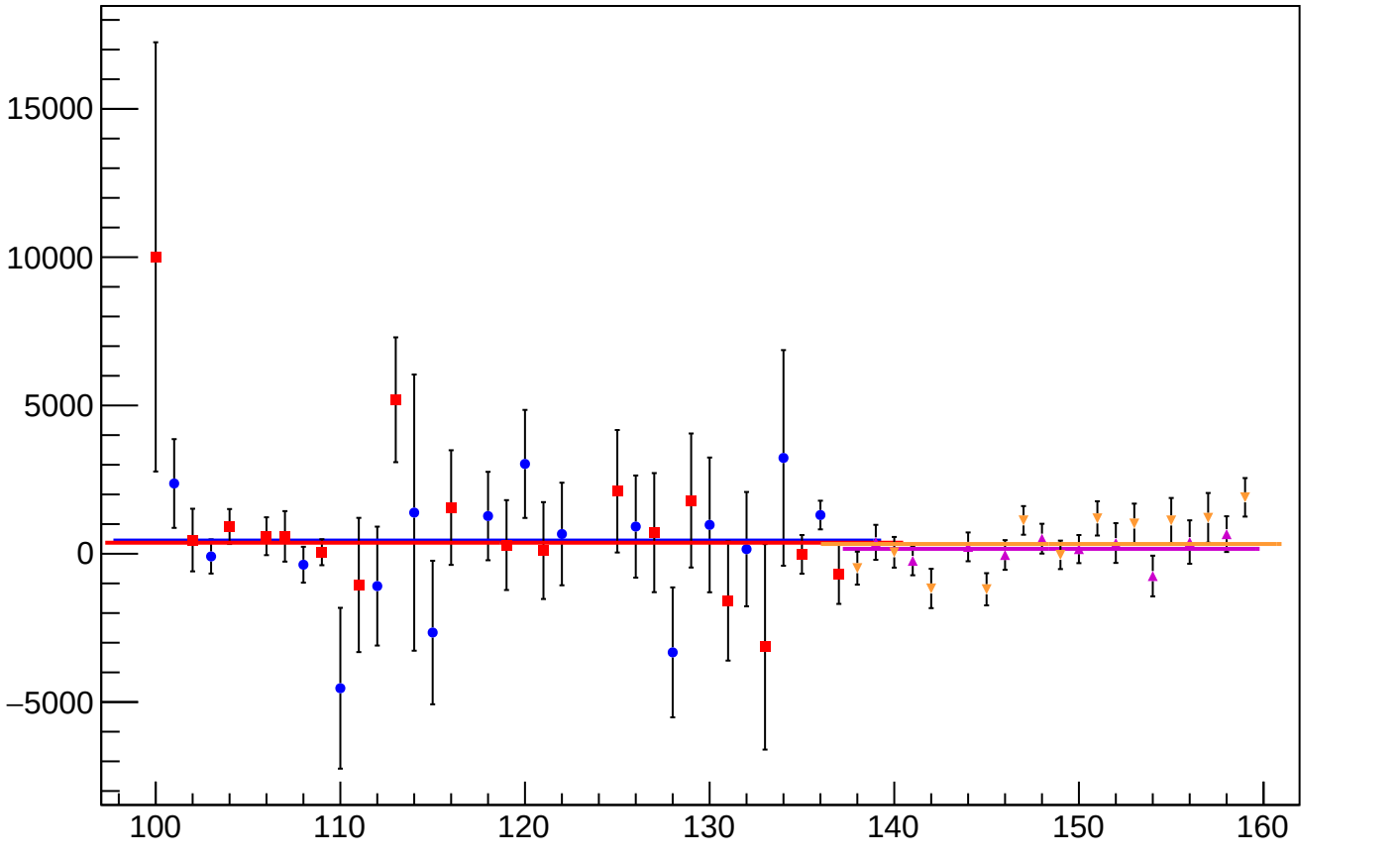
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

+ sign 1517.637+/-0.272 χ^2/NDF: 760507.4/26

All: 1512.764+/-0.192 χ^2/NDF: 1345543.3/54

- sign 1507.945+/-0.270 χ^2/NDF: 584397.4/27



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 329.230+/-176.788 χ^2/NDF:30.1/10

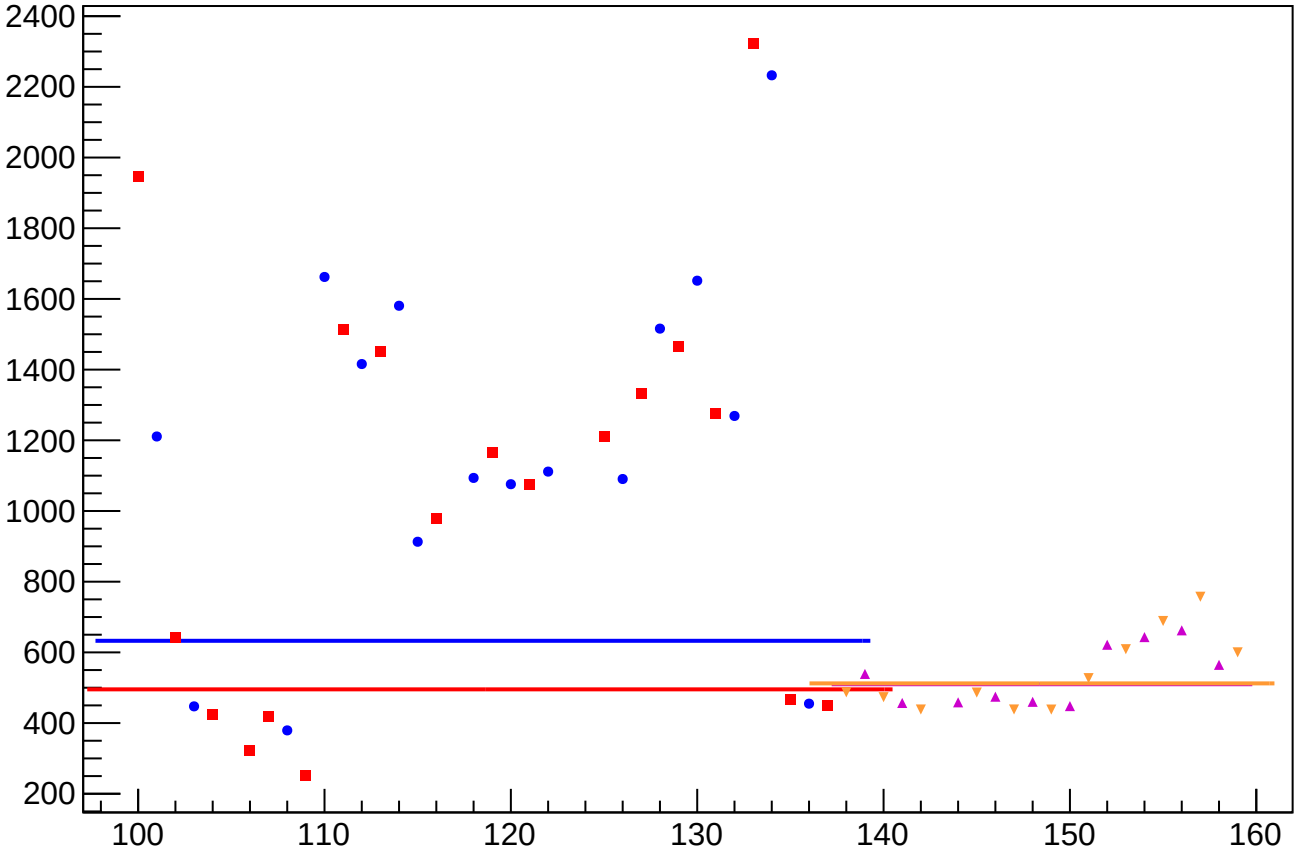
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 165.434+/-174.896 χ^2/NDF:4.1/9

\+ sign 363.165+/-148.668 χ^2/NDF: 49.4/26

All: 298.074+/-101.734 χ^2/NDF: 68.4/54

\- sign 240.750+/-139.516 χ^2/NDF: 18.6/27



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 512.262+/-0.125 χ^2/NDF:497544.2/10

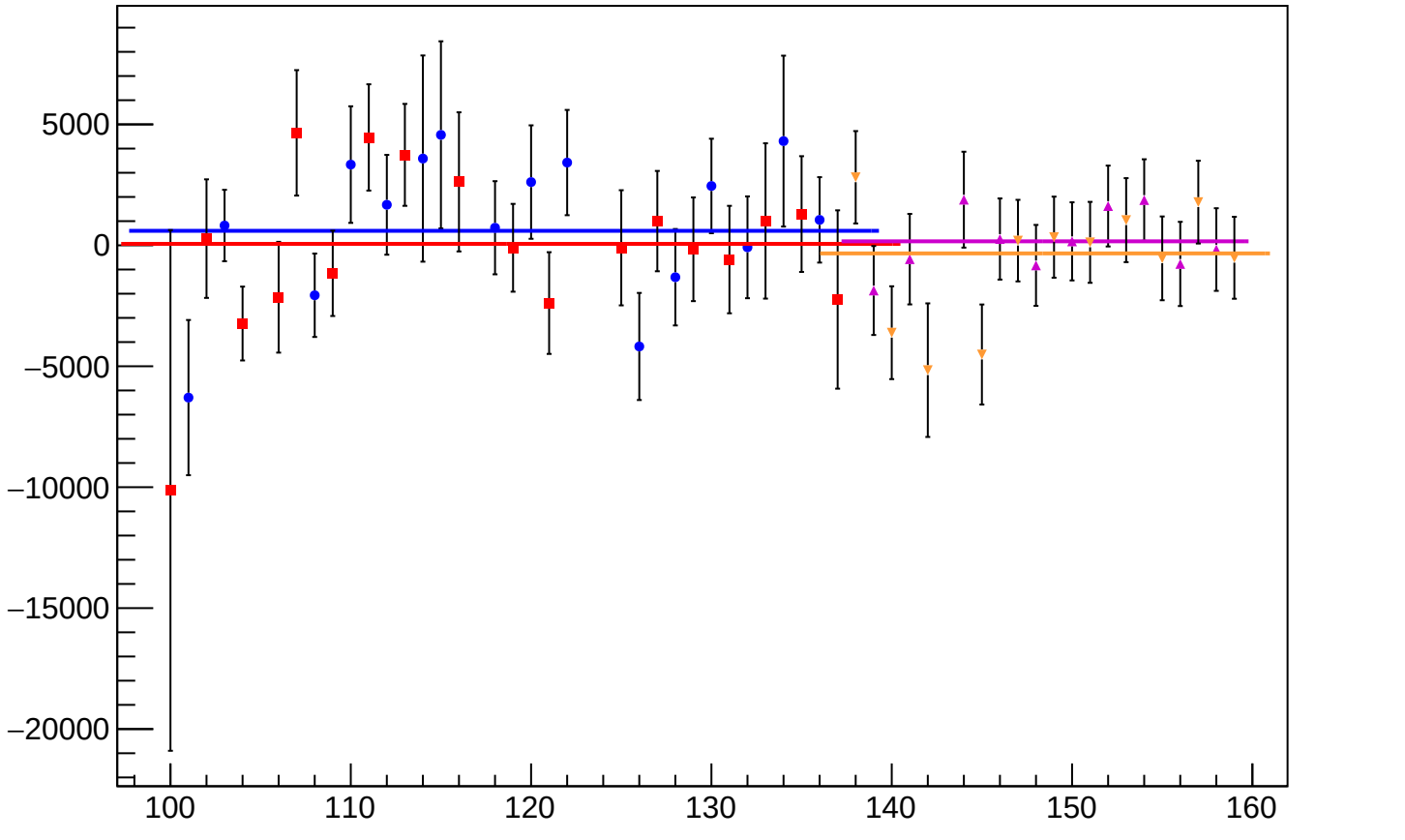
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 509.874+/-0.124 χ^2/NDF:348705.0/9

+ sign 547.544+/-0.105 χ^2/NDF: 4537316.0/26

All: 524.711+/-0.072 χ^2/NDF: 9317222.6/54

- sign 504.603+/-0.099 χ^2/NDF: 4691184.6/27



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

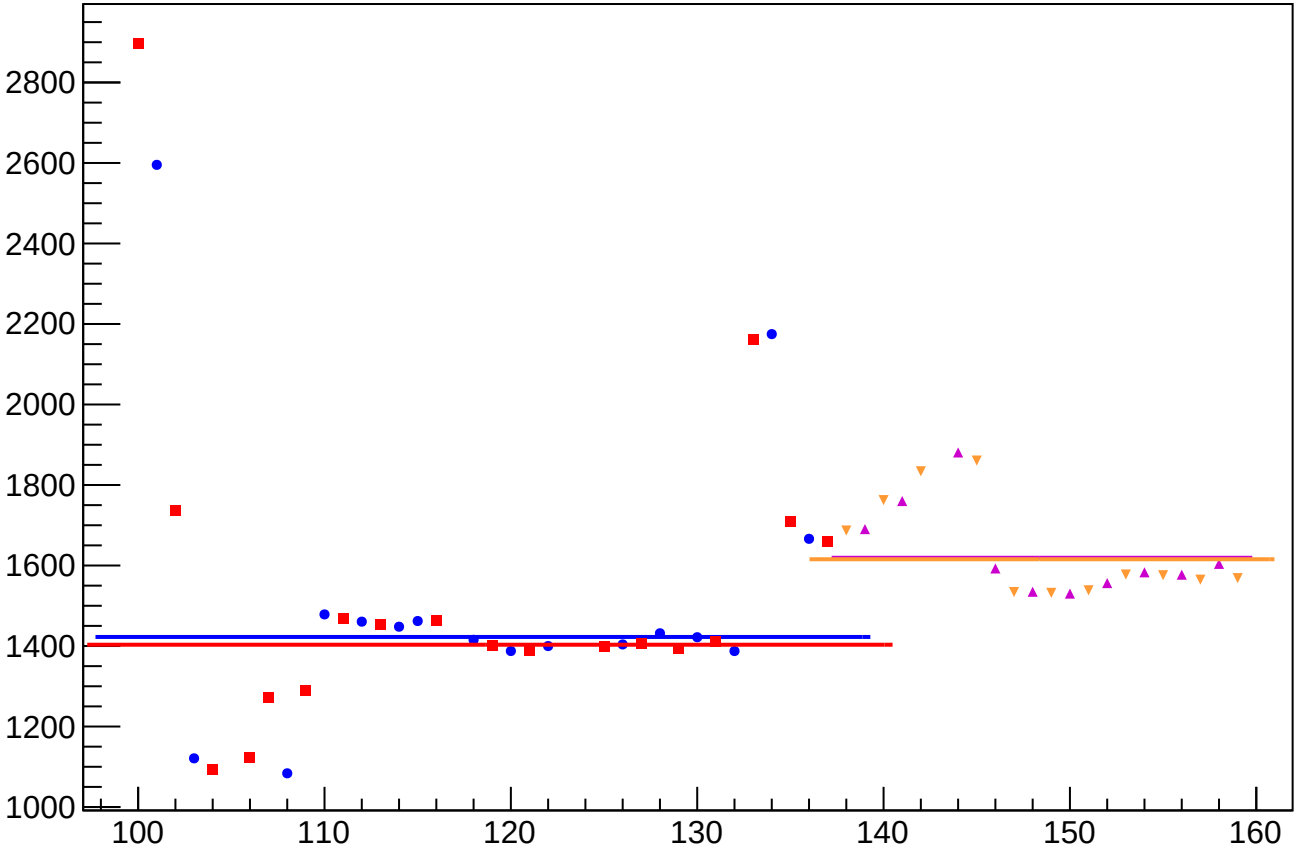
Left In: 165.773+/-549.301 χ^2/NDF:4.6/9

+ sign 139.771+/-384.636 χ^2/NDF: 37.1/26

All: 125.536+/-271.205 χ^2/NDF: 62.1/54

- sign 111.462+/-382.457 χ^2/NDF: 25.0/27

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

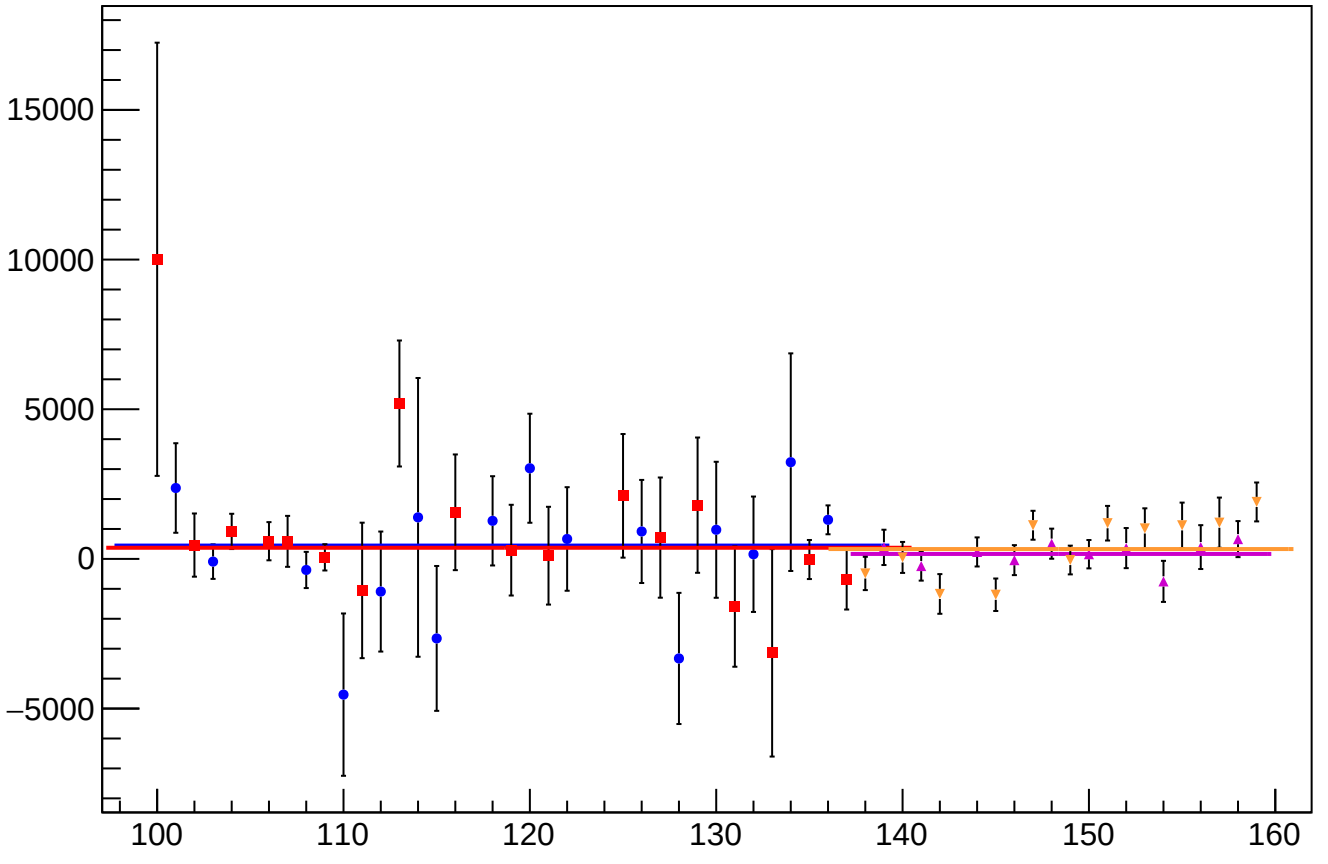
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1619.247+/-0.388 χ^2/NDF:65907.7/9

+ sign 1517.637+/-0.272 χ^2/NDF: 760507.4/26

All: 1512.764+/-0.192 χ^2/NDF: 1345543.3/54

- sign 1507.945+/-0.270 χ^2/NDF: 584397.4/27



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 329.230+/-176.788 χ^2/NDF:30.1/10

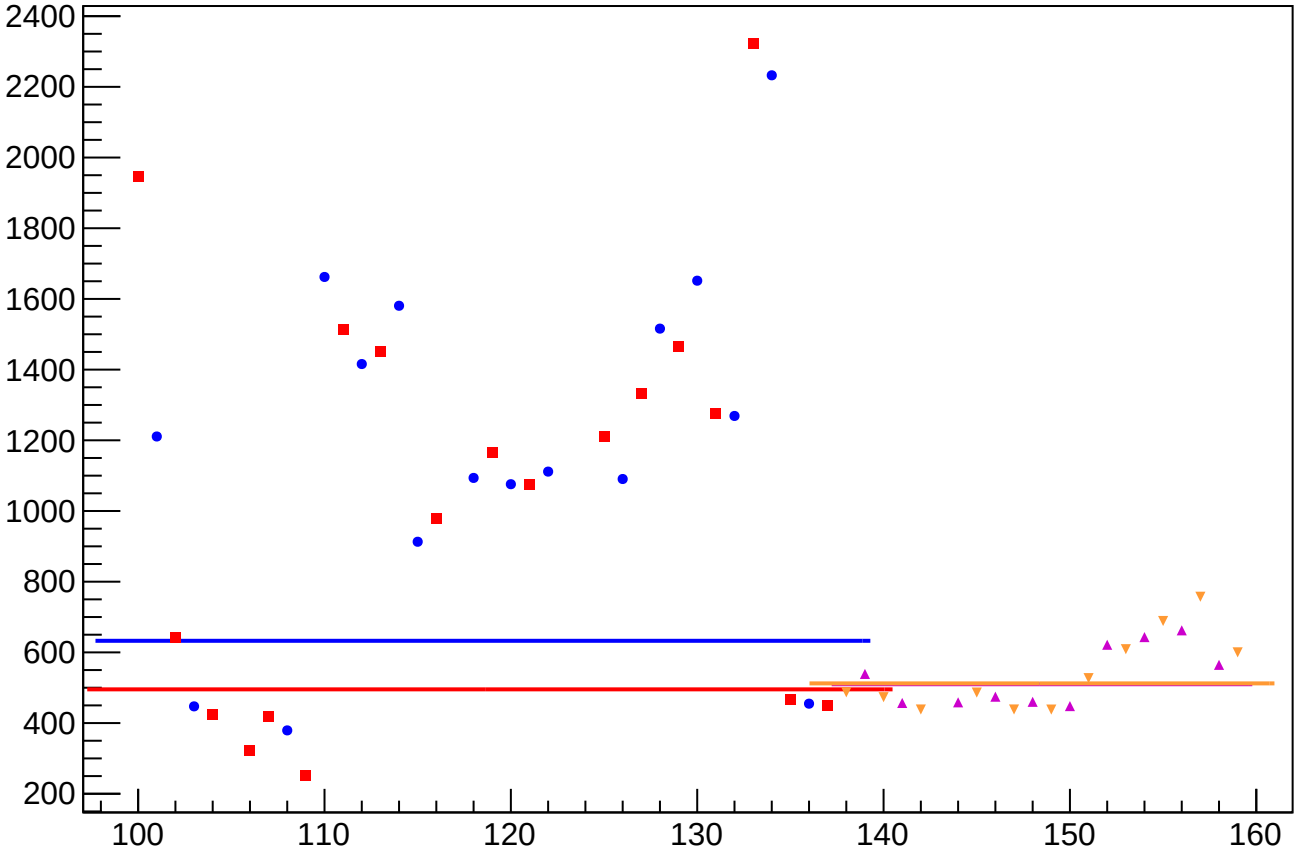
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 165.434+/-174.896 χ^2/NDF:4.1/9

+ sign 363.165+/-148.668 χ^2/NDF: 49.4/26

All: 298.074+/-101.734 χ^2/NDF: 68.4/54

- sign 240.750+/-139.516 χ^2/NDF: 18.6/27



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

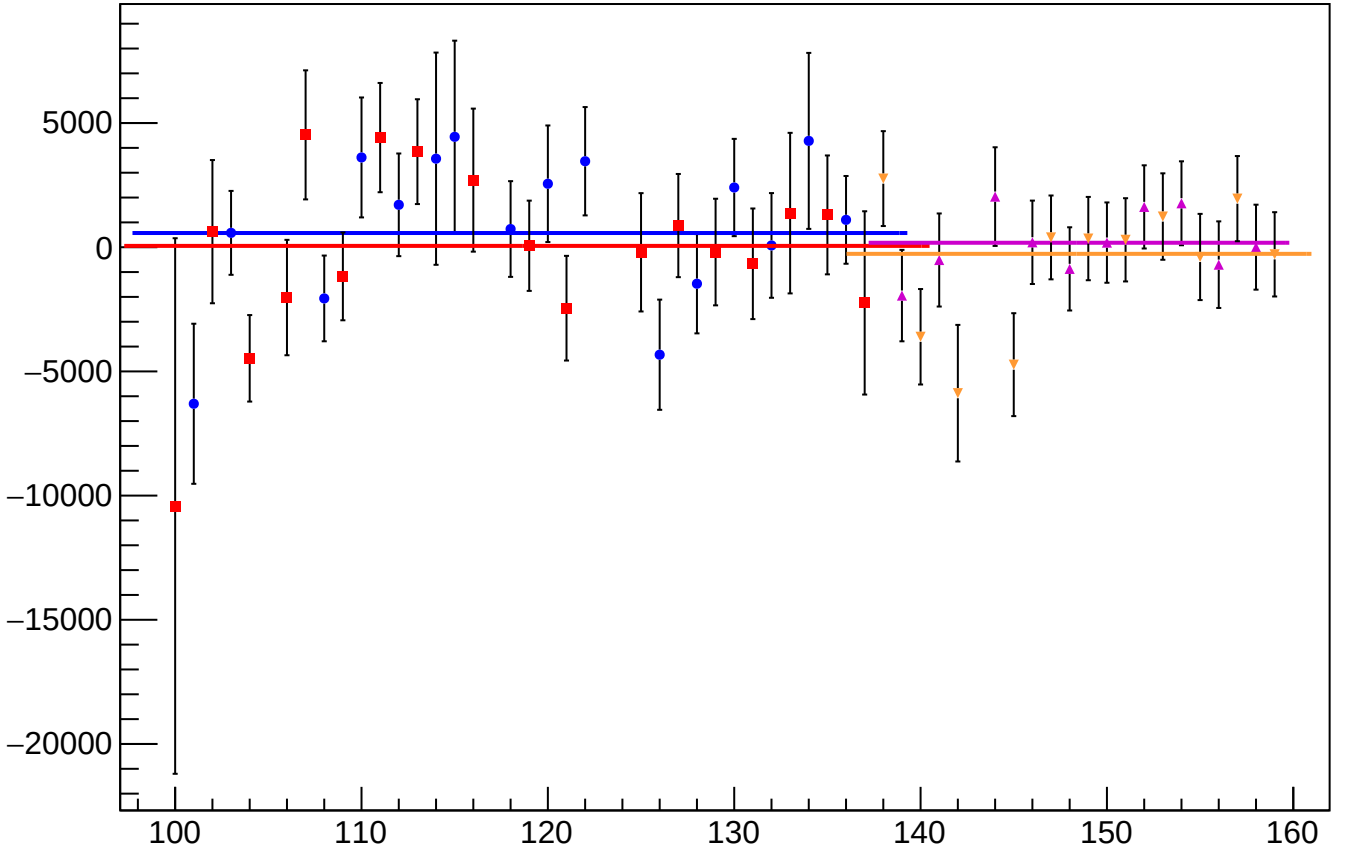
Left In: 509.874+/-0.124 χ^2/NDF:348705.0/9

+ sign 547.544+/-0.105 χ^2/NDF: 4537316.0/26

All: 524.711+/-0.072 χ^2/NDF: 9317222.6/54

- sign 504.603+/-0.099 χ^2/NDF: 4691184.6/27

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

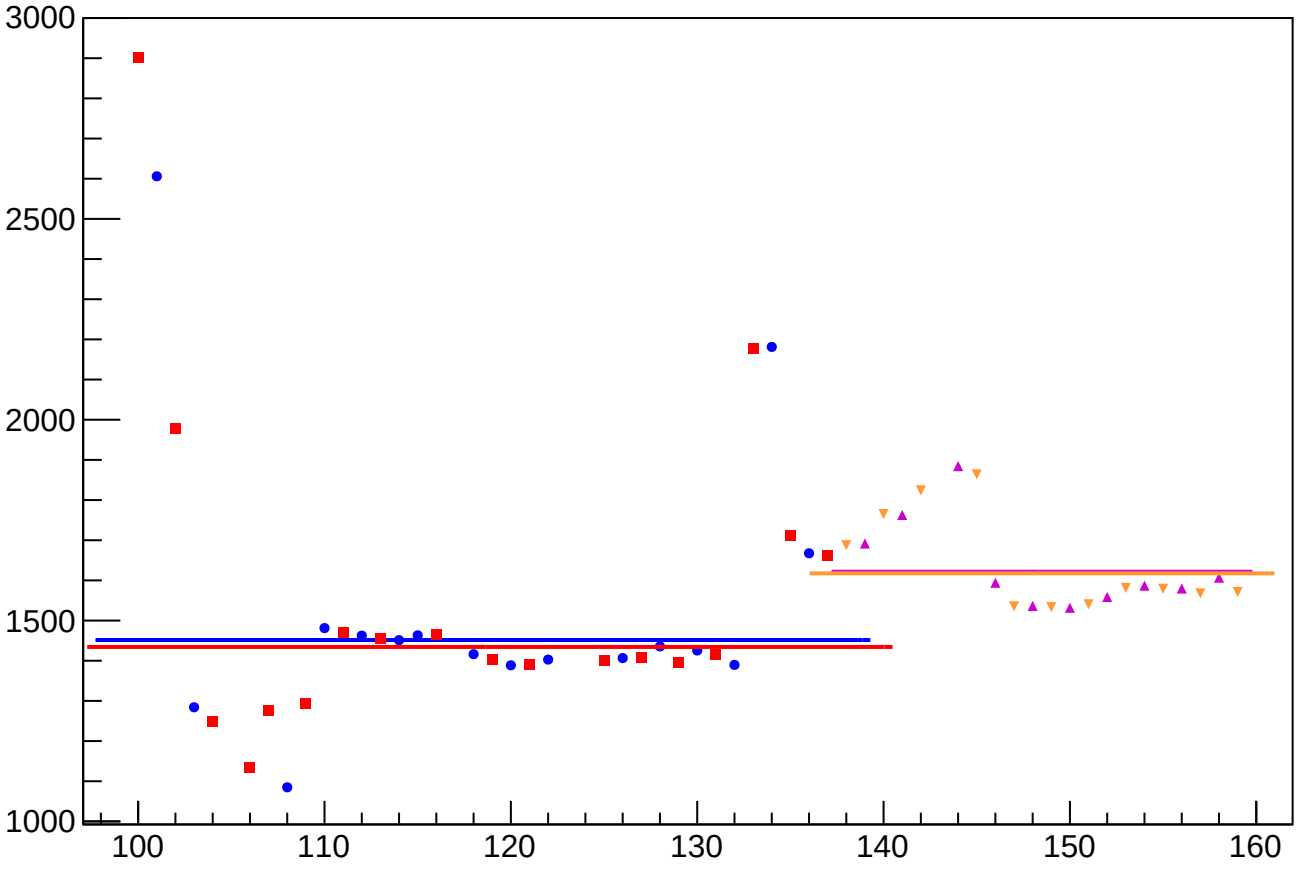
Left In: 179.808+/-550.097 χ^2/NDF:4.6/9

+ sign 152.152+/-388.293 χ^2/NDF: 39.1/26

All: 134.147+/-274.209 χ^2/NDF: 66.3/54

- sign 116.235+/-387.289 χ^2/NDF: 27.2/27

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

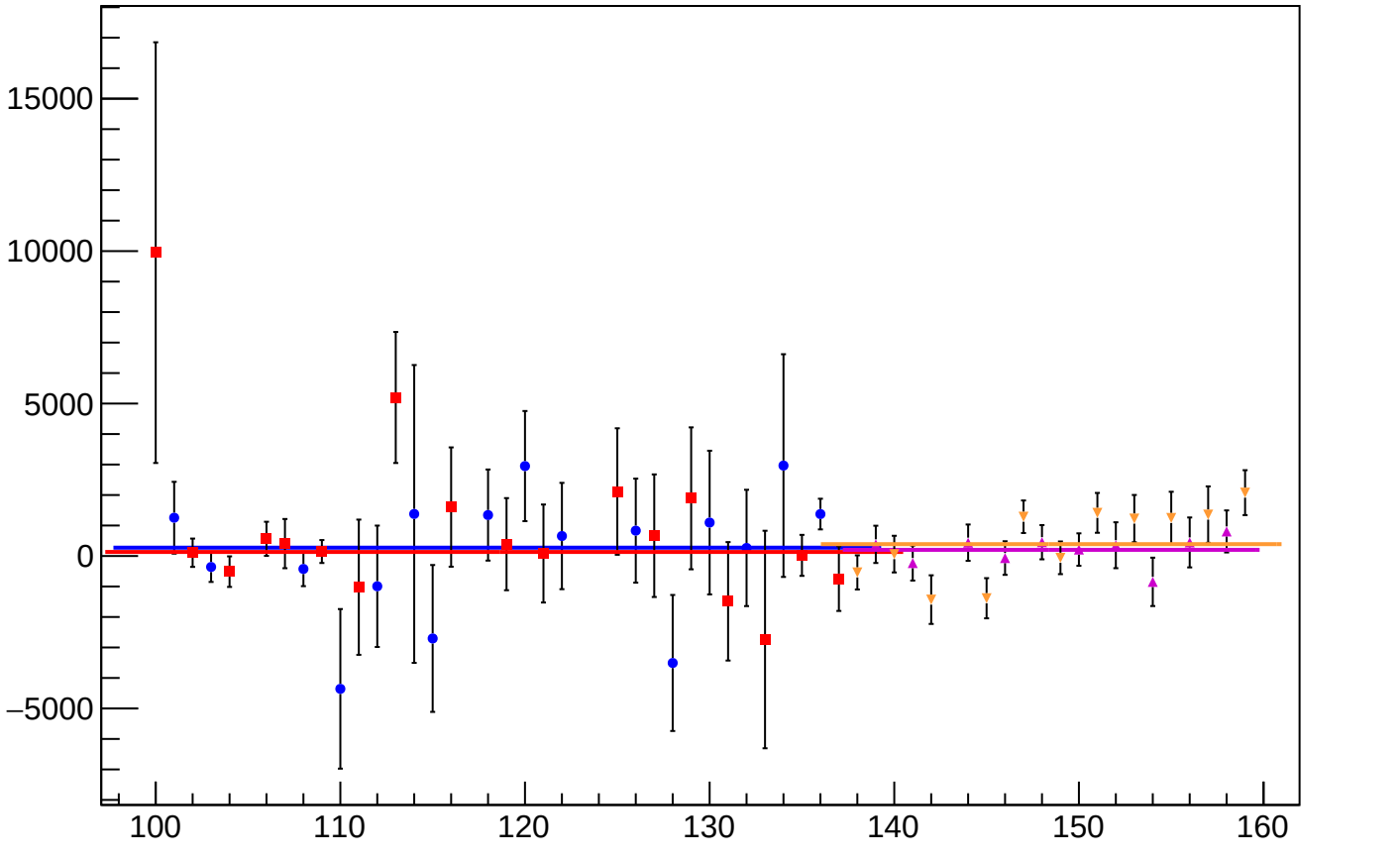
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1621.572+/-0.389 χ^2/NDF:66157.0/9

+ sign 1534.695+/-0.275 χ^2/NDF: 652168.4/26

All: 1530.906+/-0.194 χ^2/NDF: 1164169.3/54

- sign 1527.135+/-0.274 χ^2/NDF: 511620.8/27



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 388.802+/-199.213 χ^2/NDF:30.0/10

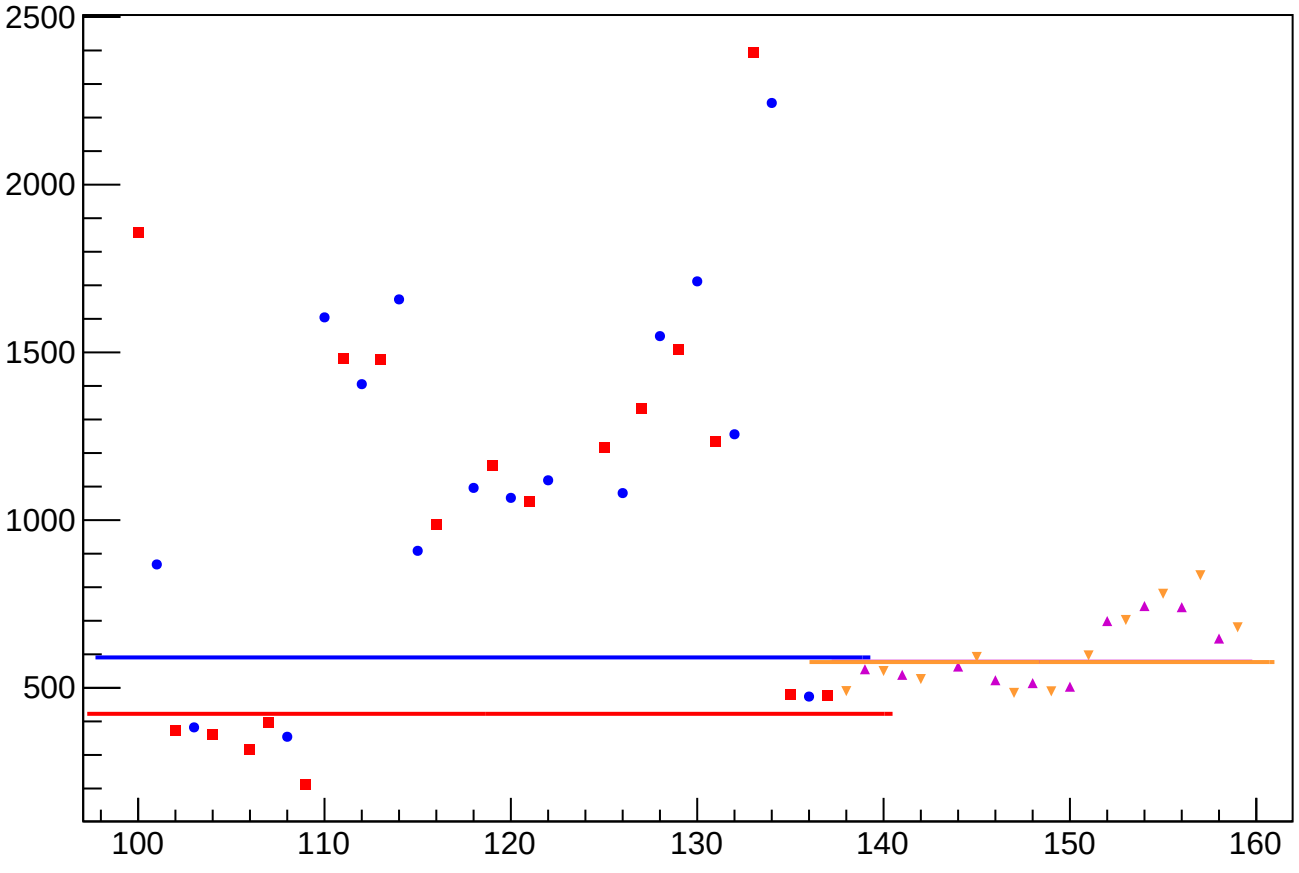
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 202.276+/-198.178 χ^2/NDF:3.9/9

\+ sign 346.239+/-158.253 χ^2/NDF: 50.4/26

All: 245.285+/-104.576 χ^2/NDF: 69.5/54

\- sign 167.027+/-139.333 χ^2/NDF: 18.4/27



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

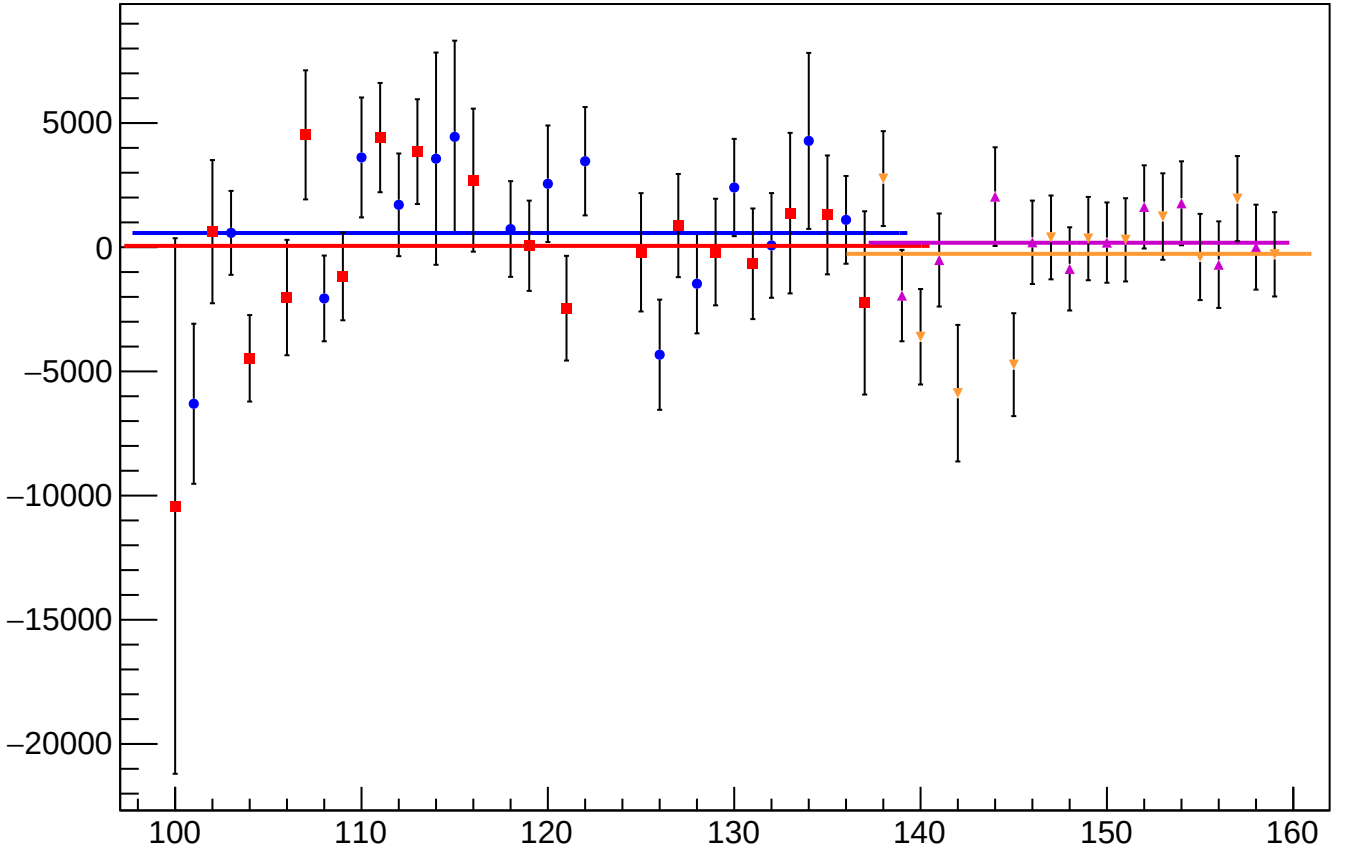
Left In: 577.958+/-0.140 χ^2/NDF:336361.7/9

+ sign 582.053+/-0.112 χ^2/NDF: 4424702.2/26

All: 535.498+/-0.074 χ^2/NDF: 10547659.0/54

- sign 499.409+/-0.099 χ^2/NDF: 5815693.8/27

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -266.439+/-548.621 χ^2/NDF:17.2/10

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

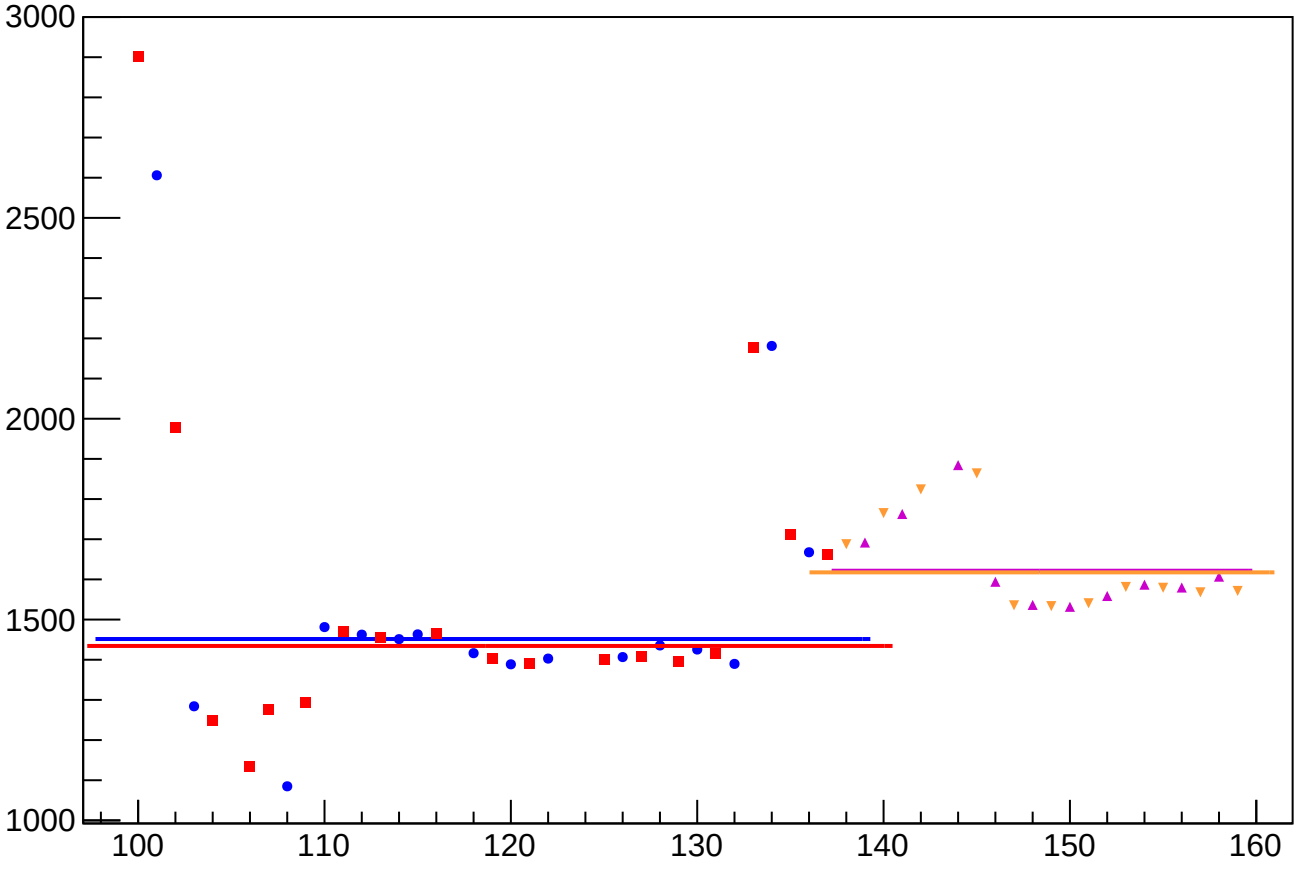
Left In: 179.813+/-550.097 χ^2/NDF:4.6/9

+ sign 152.149+/-388.293 χ^2/NDF: 39.1/26

All: 134.147+/-274.209 χ^2/NDF: 66.3/54

- sign 116.237+/-387.289 χ^2/NDF: 27.2/27

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1617.505+/-0.388 χ^2/NDF:73030.5/10

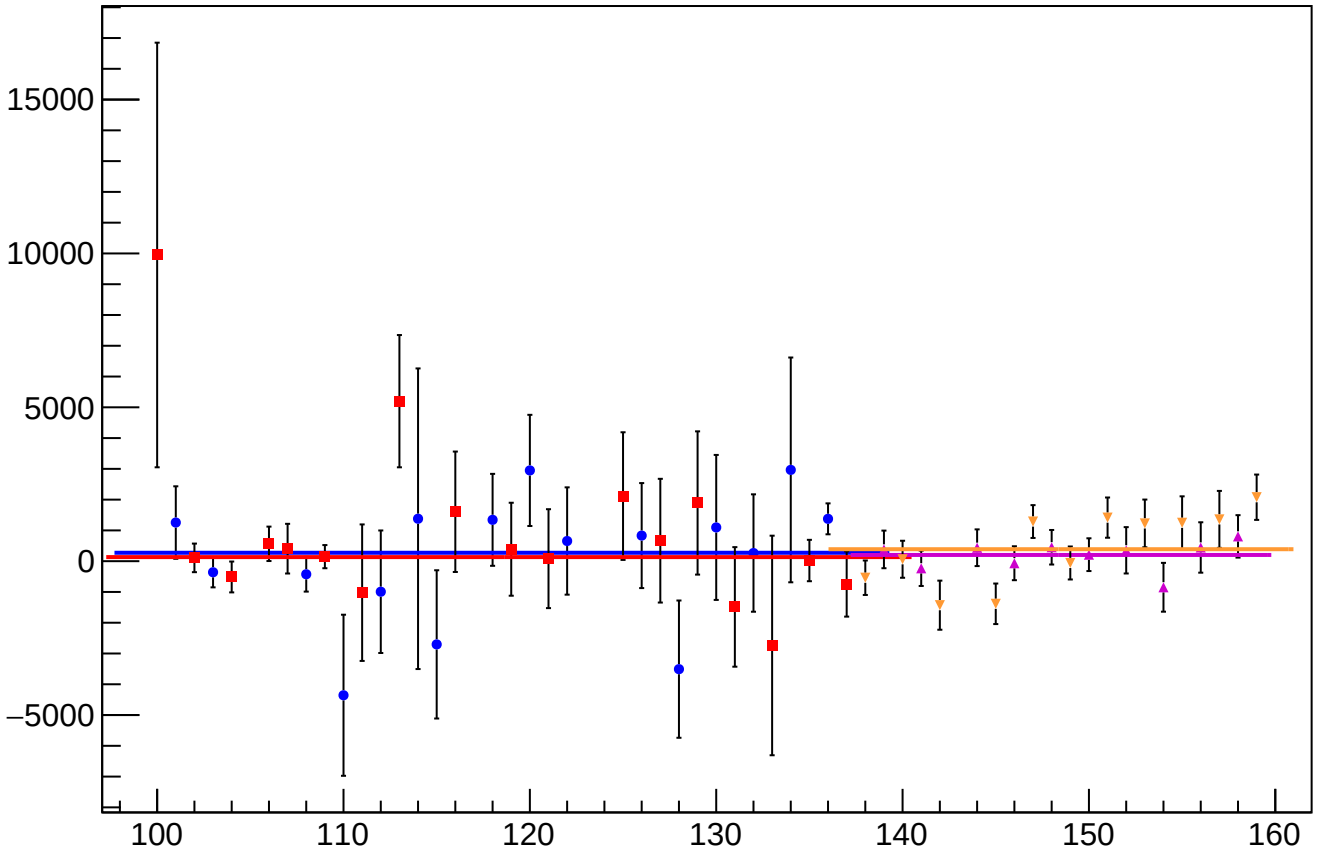
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1621.572+/-0.389 χ^2/NDF:66157.2/9

+ sign 1534.696+/-0.275 χ^2/NDF: 652168.2/26

All: 1530.906+/-0.194 χ^2/NDF: 1164169.4/54

- sign 1527.135+/-0.274 χ^2/NDF: 511621.2/27



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 388.810+/-199.214 χ^2/NDF:30.0/10

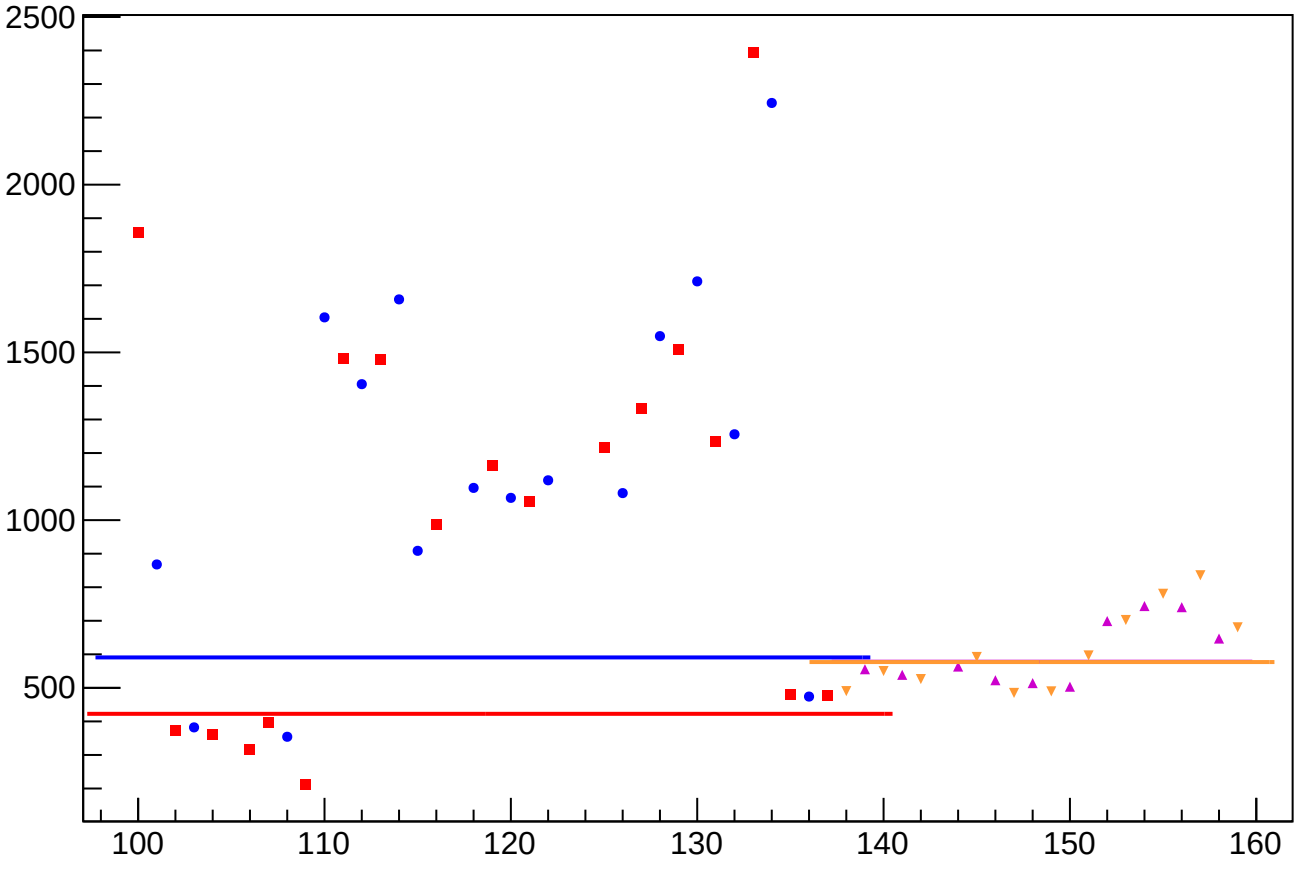
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 202.281+/-198.179 χ^2/NDF:3.9/9

+ sign 346.240+/-158.253 χ^2/NDF: 50.4/26

All: 245.286+/-104.576 χ^2/NDF: 69.5/54

- sign 167.027+/-139.333 χ^2/NDF: 18.4/27



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

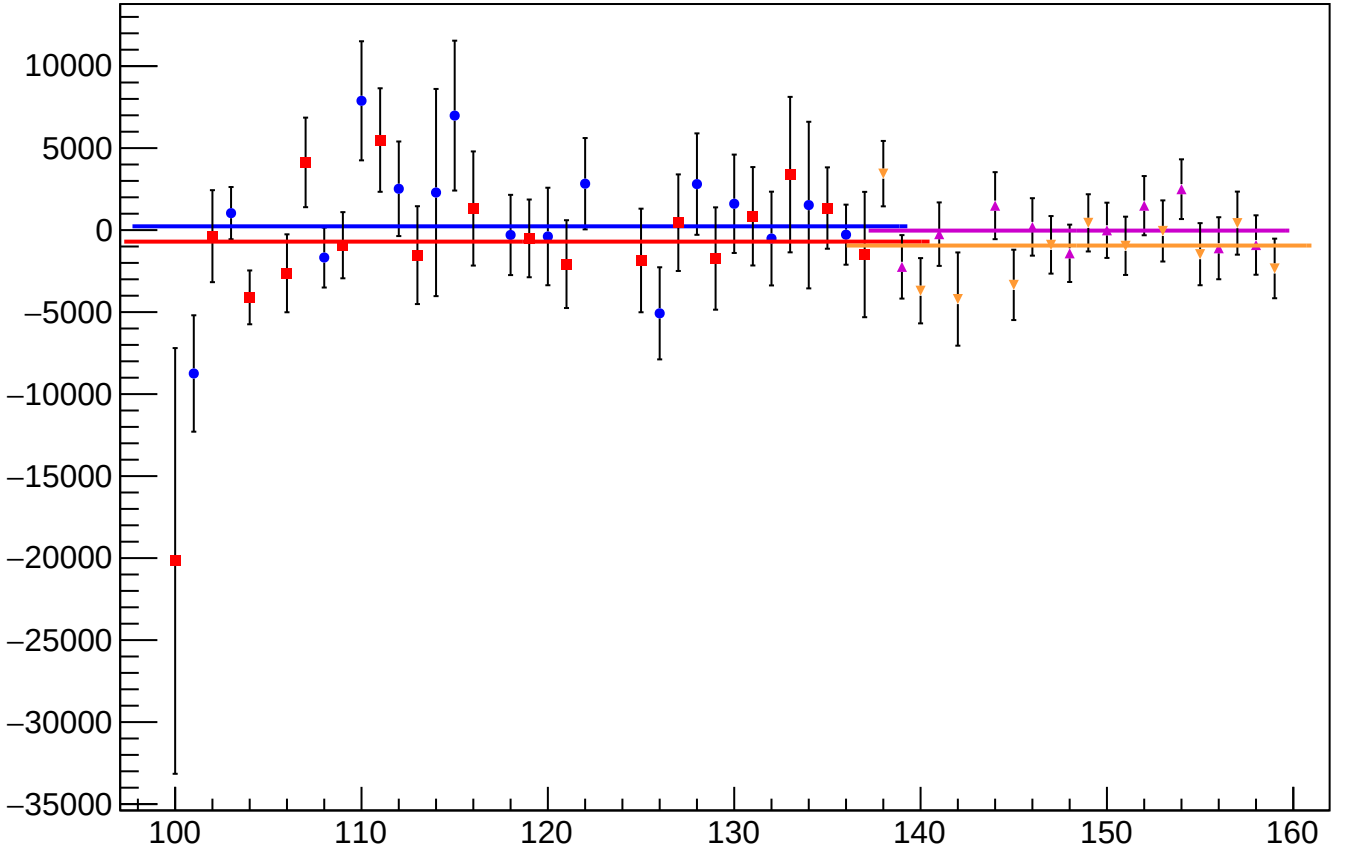
Left In: 577.959+/-0.140 χ^2/NDF:336390.7/9

+ sign 582.055+/-0.112 χ^2/NDF: 4424726.9/26

All: 535.501+/-0.074 χ^2/NDF: 10547574.9/54

- sign 499.413+/-0.099 χ^2/NDF: 5815602.1/27

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

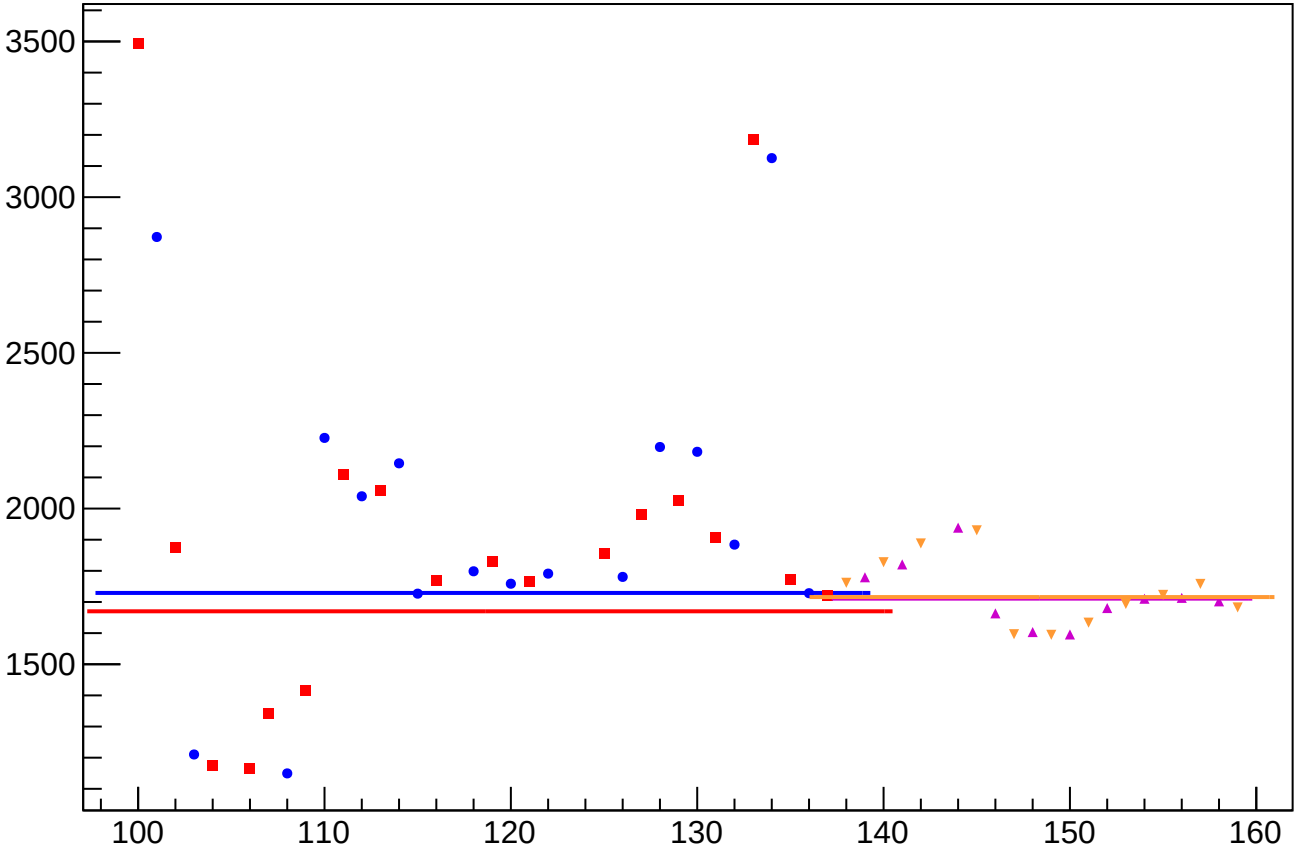
Left In: -29.593+/-580.119 χ^2/NDF:5.7/9

+ sign -434.297+/-438.179 χ^2/NDF: 33.8/26

All: -380.787+/-307.745 χ^2/NDF: 57.2/54

- sign -328.700+/-432.314 χ^2/NDF: 23.3/27

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

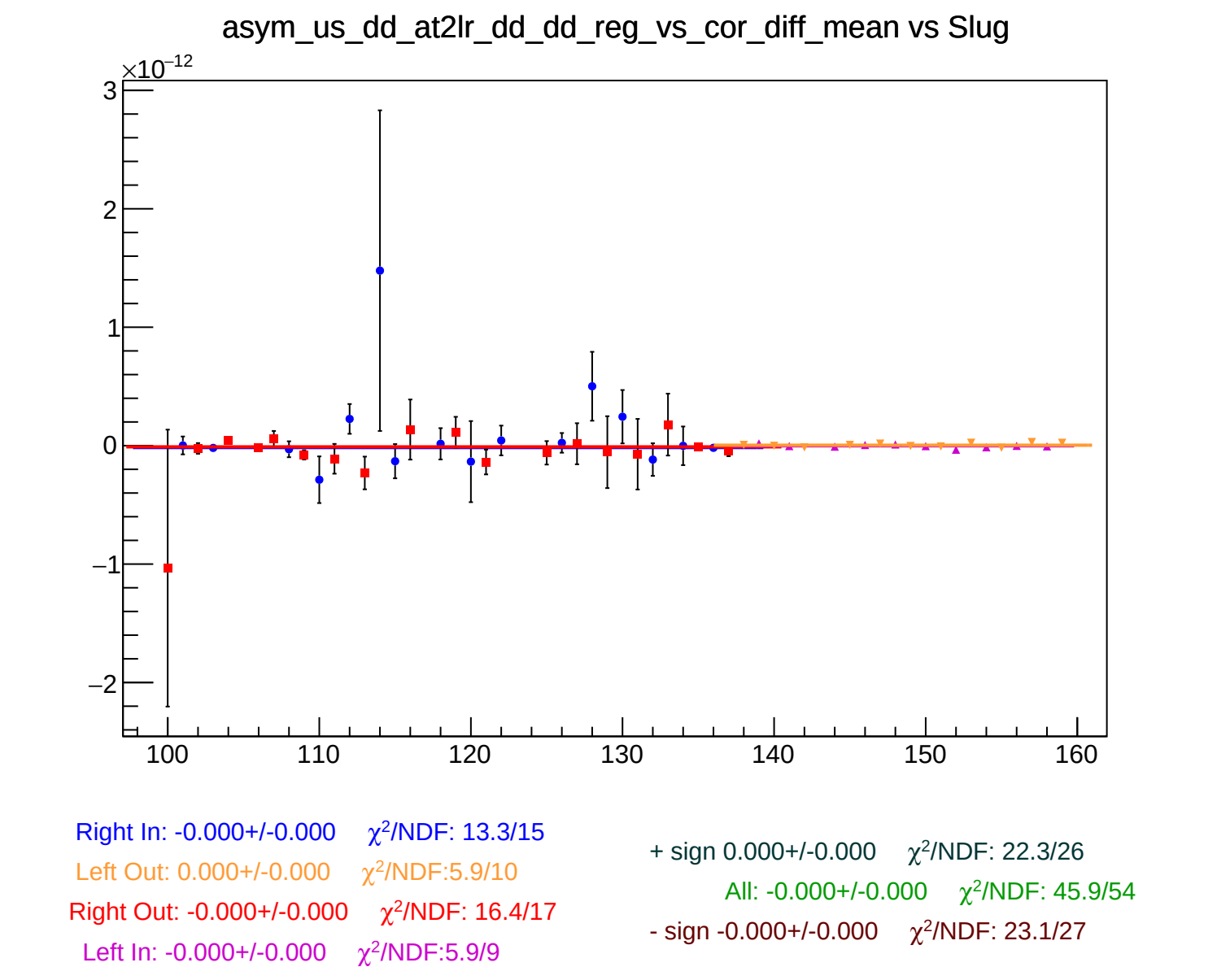
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

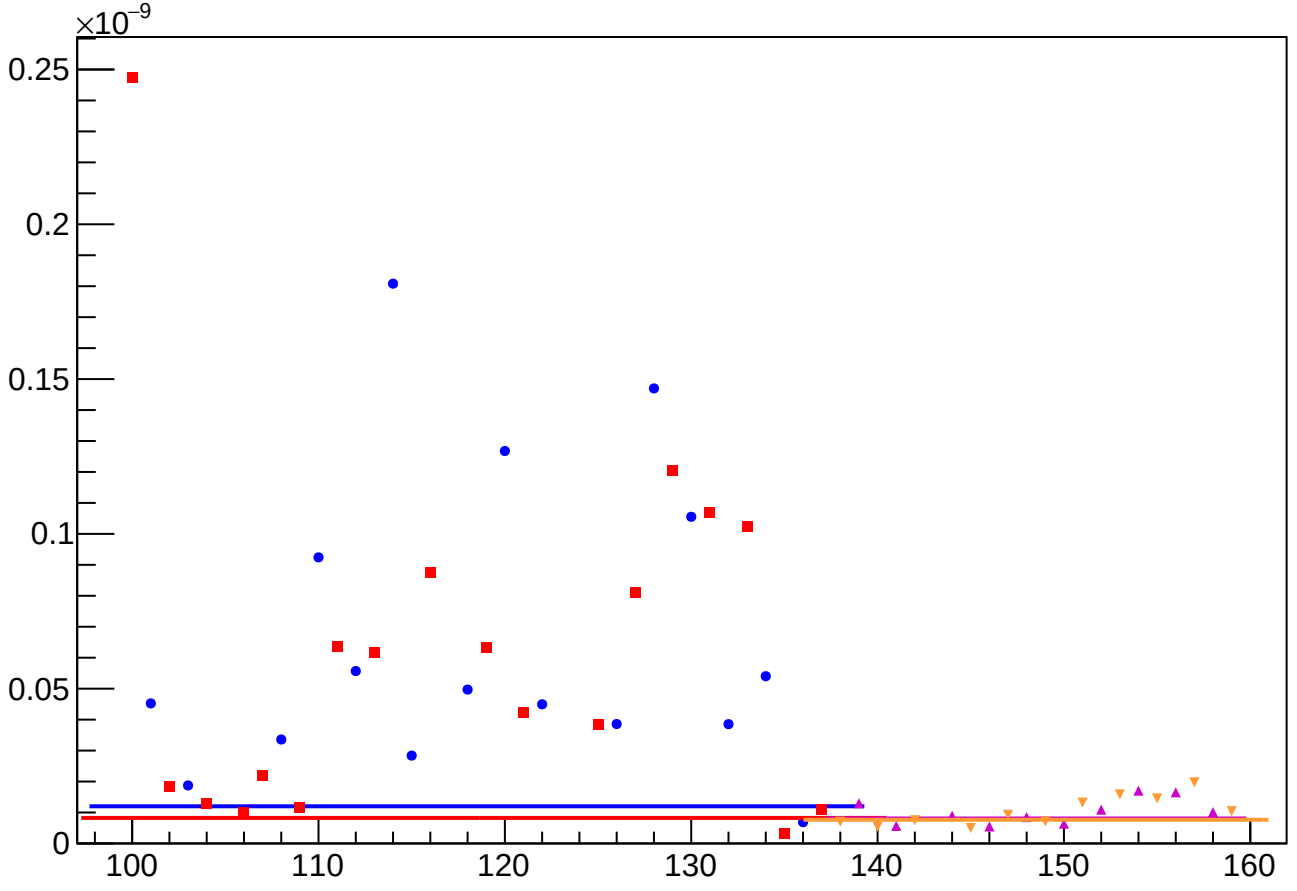
Left In: 1710.743+/-0.410 χ^2/NDF:52774.9/9

+ sign 1721.517+/-0.310 χ^2/NDF: 1002353.6/26

All: 1706.890+/-0.218 χ^2/NDF: 1808353.0/54

- sign 1692.651+/-0.306 χ^2/NDF: 801601.3/27


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:5.9/9
+ sign 0.000+/-0.000 χ²/NDF: 22.3/26
All: -0.000+/-0.000 χ²/NDF: 45.9/54
- sign -0.000+/-0.000 χ²/NDF: 23.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1100292.9/10

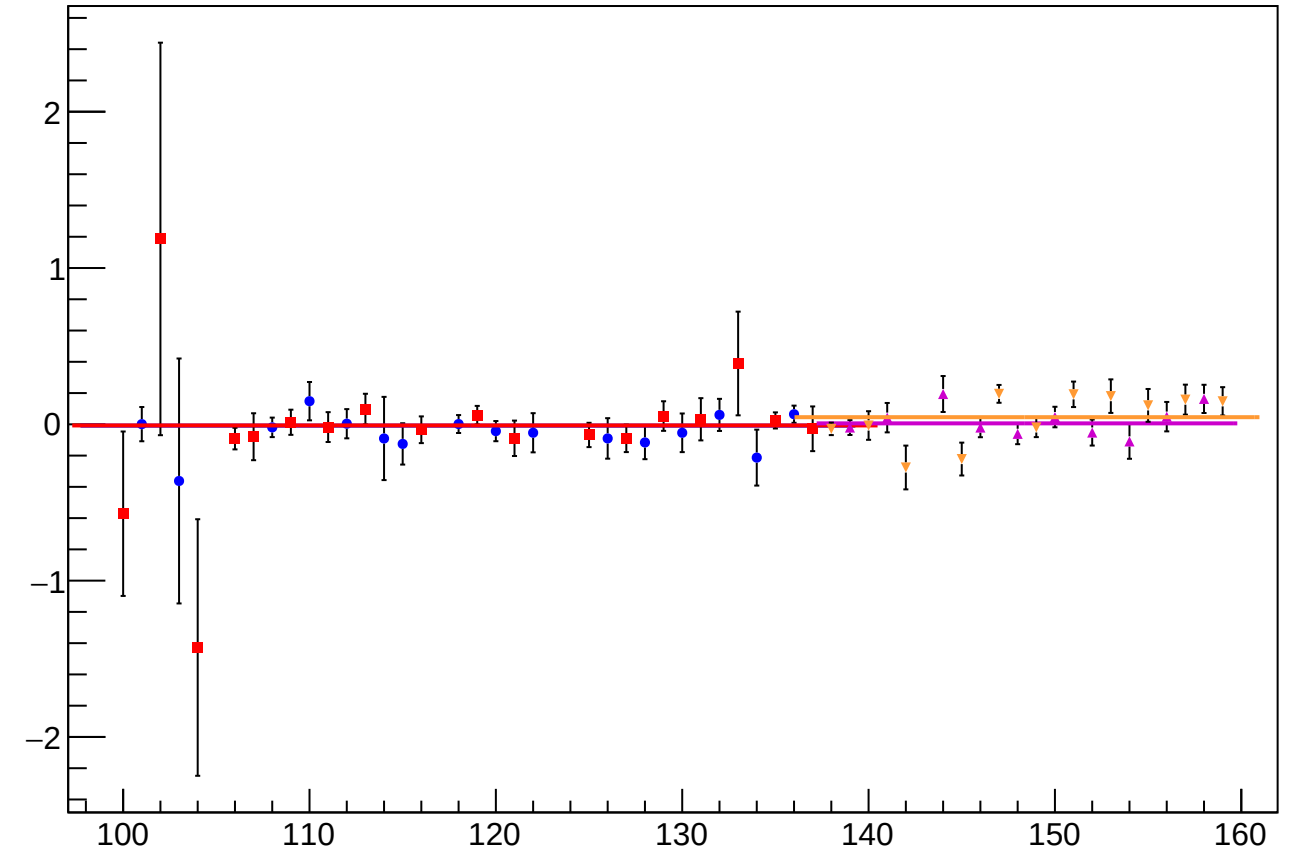
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:899737.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 4828319.5/26

All: 0.000+/-0.000 χ^2/NDF: 9242618.4/54

- sign 0.000+/-0.000 χ^2/NDF: 4410617.9/27



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.046+/-0.022 χ^2/NDF:31.5/10

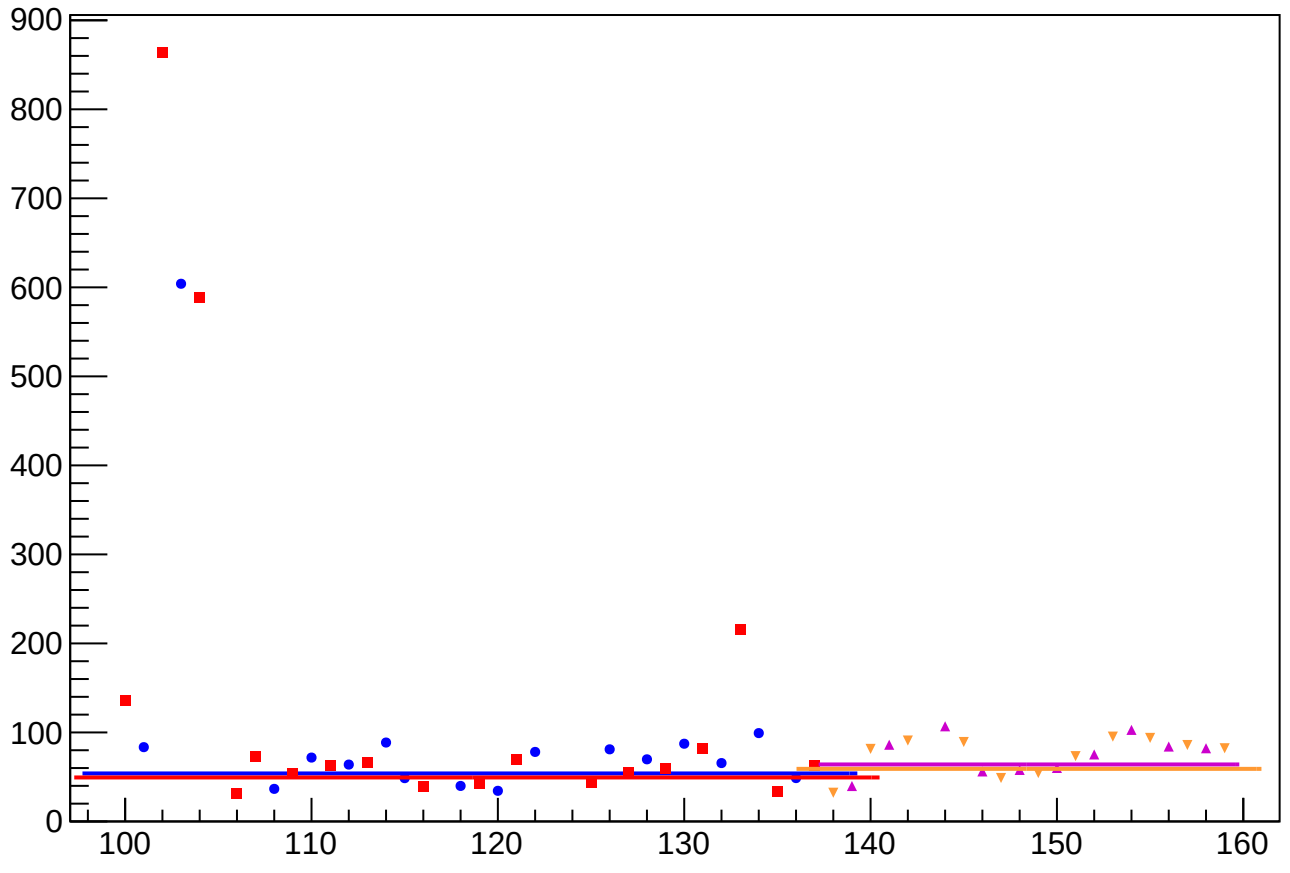
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.023 χ^2/NDF:9.5/9

+ sign 0.020+/-0.016 χ^2/NDF: 42.6/26

All: 0.010+/-0.011 χ^2/NDF: 66.8/54

- sign -0.001+/-0.016 χ^2/NDF: 23.4/27



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 59.082+/-0.016 χ^2/NDF:2162142.3/10

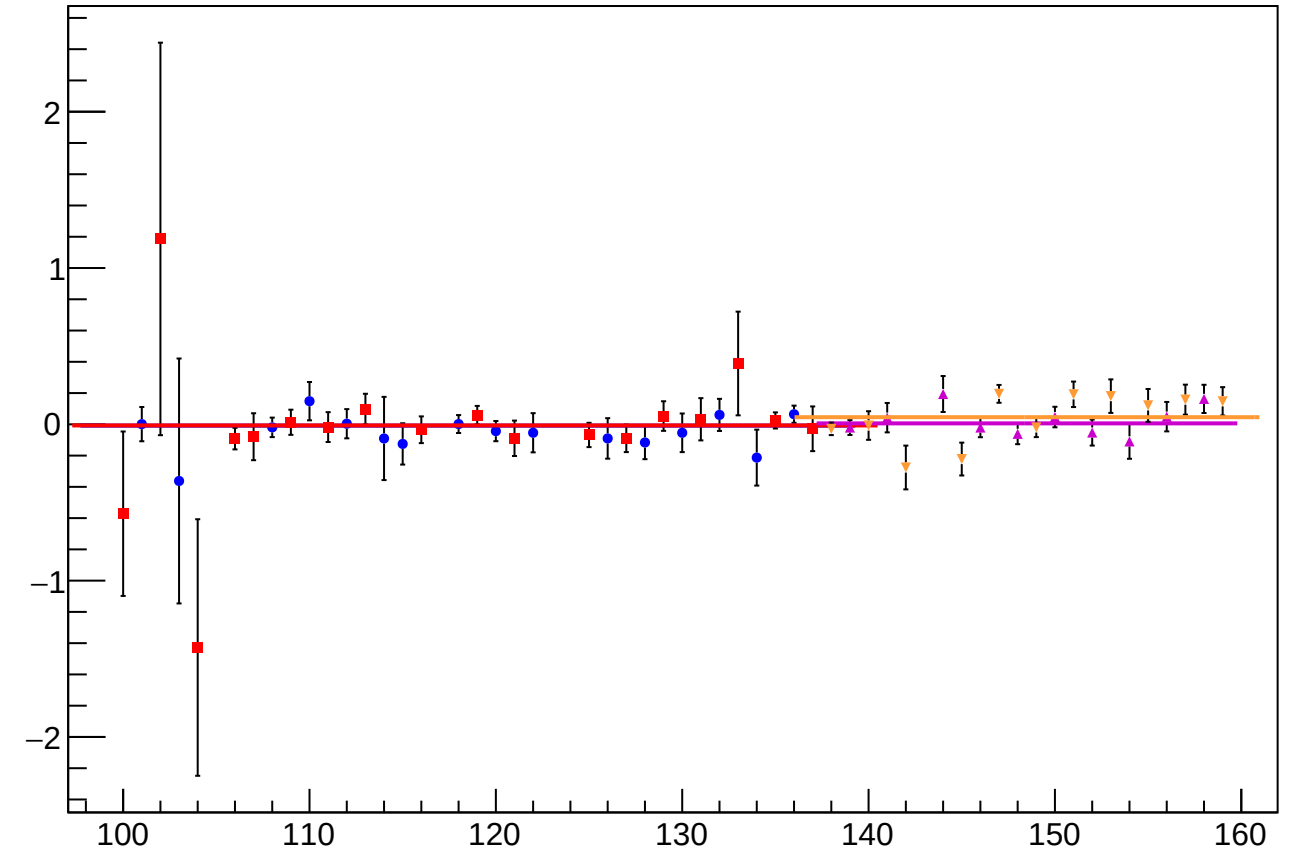
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 64.027+/-0.017 χ^2/NDF:1416271.7/9

+ sign 56.599+/-0.011 χ^2/NDF: 4428103.8/26

All: 56.458+/-0.008 χ^2/NDF: 9270359.8/54

- sign 56.316+/-0.011 χ^2/NDF: 4841947.9/27



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.046+/-0.022 χ^2/NDF:31.5/10

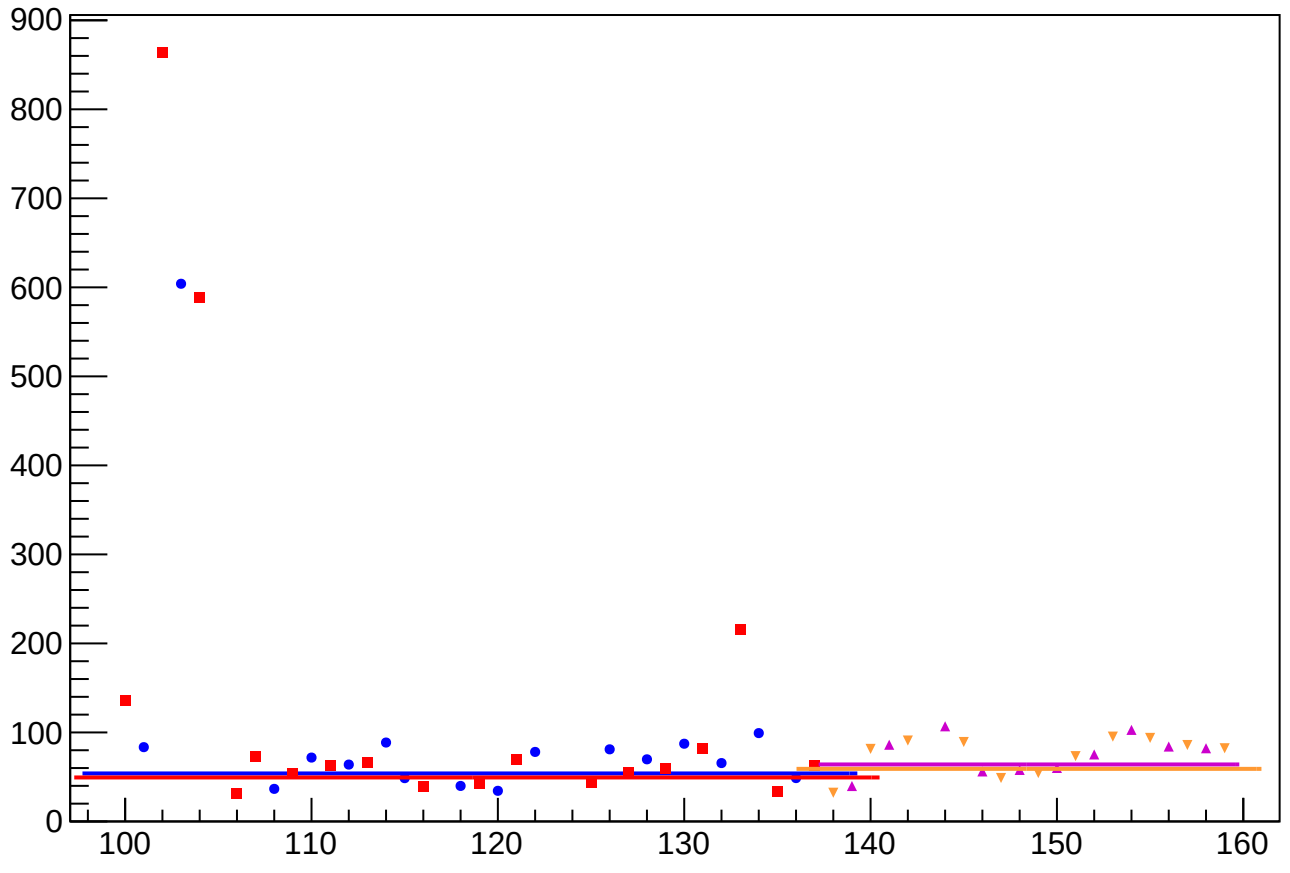
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.023 χ^2/NDF:9.5/9

+ sign 0.020+/-0.016 χ^2/NDF: 42.6/26

All: 0.010+/-0.011 χ^2/NDF: 66.8/54

- sign -0.001+/-0.016 χ^2/NDF: 23.4/27



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 59.082+/-0.016 χ^2/NDF:2162142.3/10

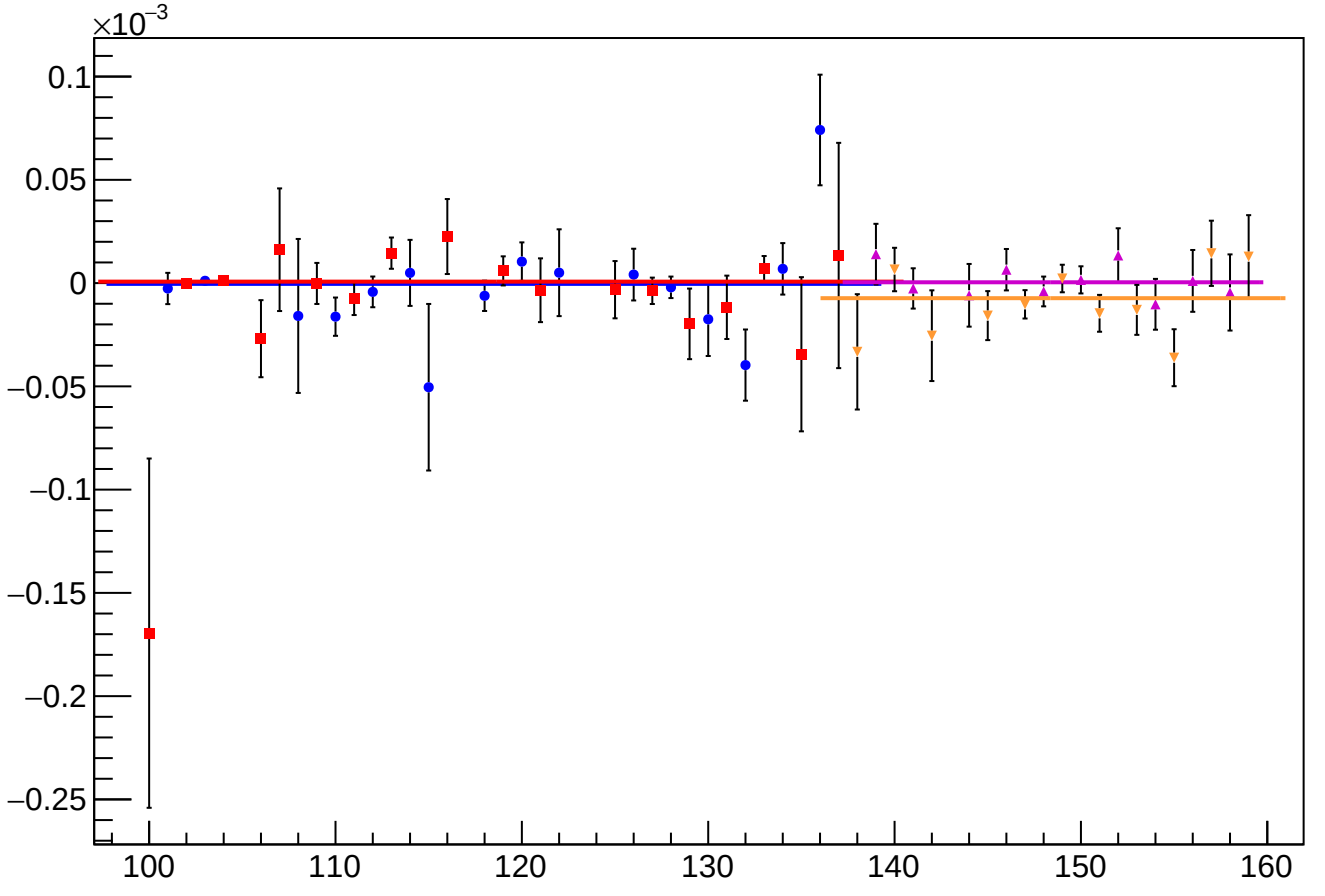
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 64.027+/-0.017 χ^2/NDF:1416271.7/9

+ sign 56.599+/-0.011 χ^2/NDF: 4428103.8/26

All: 56.458+/-0.008 χ^2/NDF: 9270359.8/54

- sign 56.316+/-0.011 χ^2/NDF: 4841947.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/10

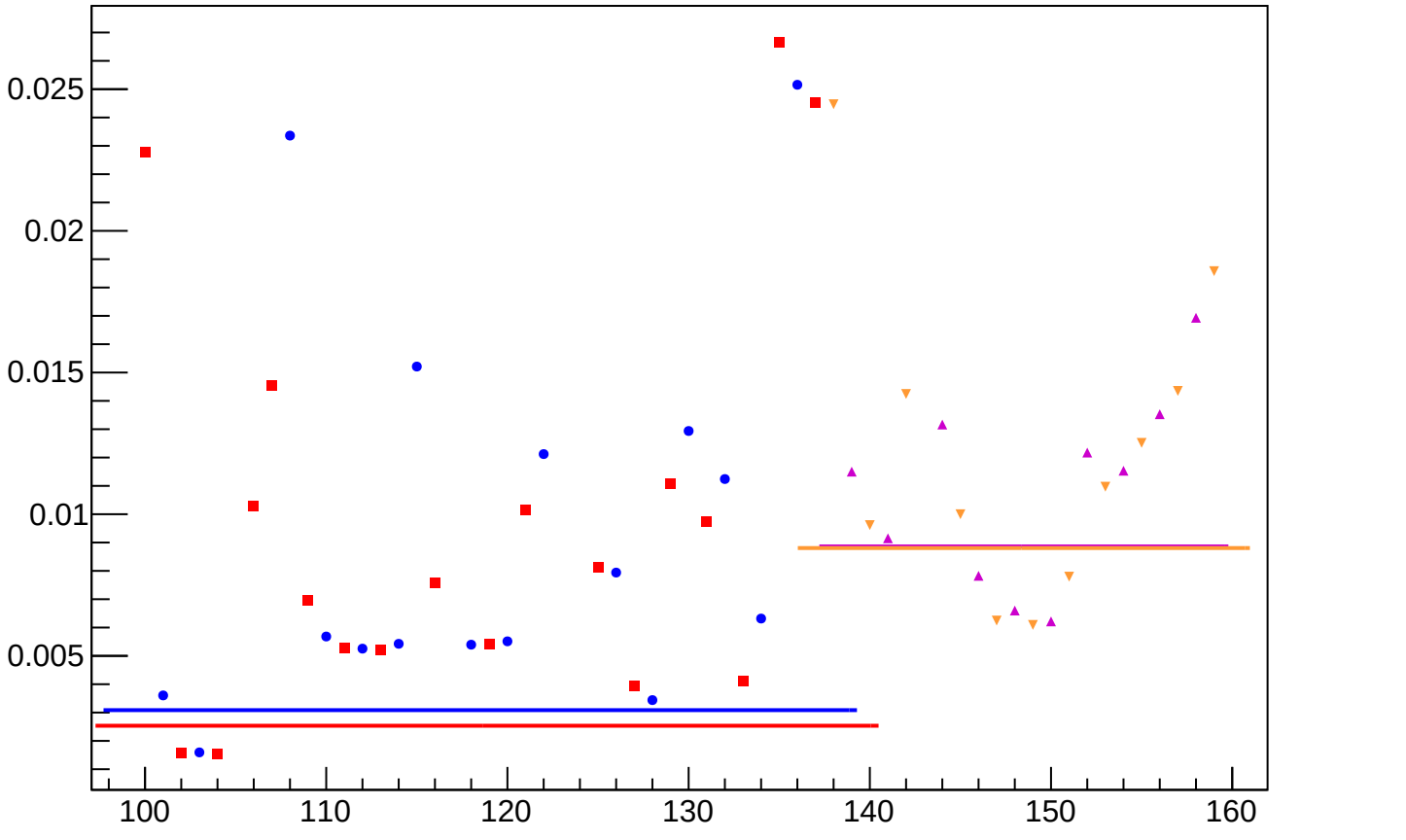
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:3.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 39.9/26

All: -0.000+/-0.000 χ^2/NDF: 63.2/54

- sign 0.000+/-0.000 χ^2/NDF: 21.6/27



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2346833.8/10

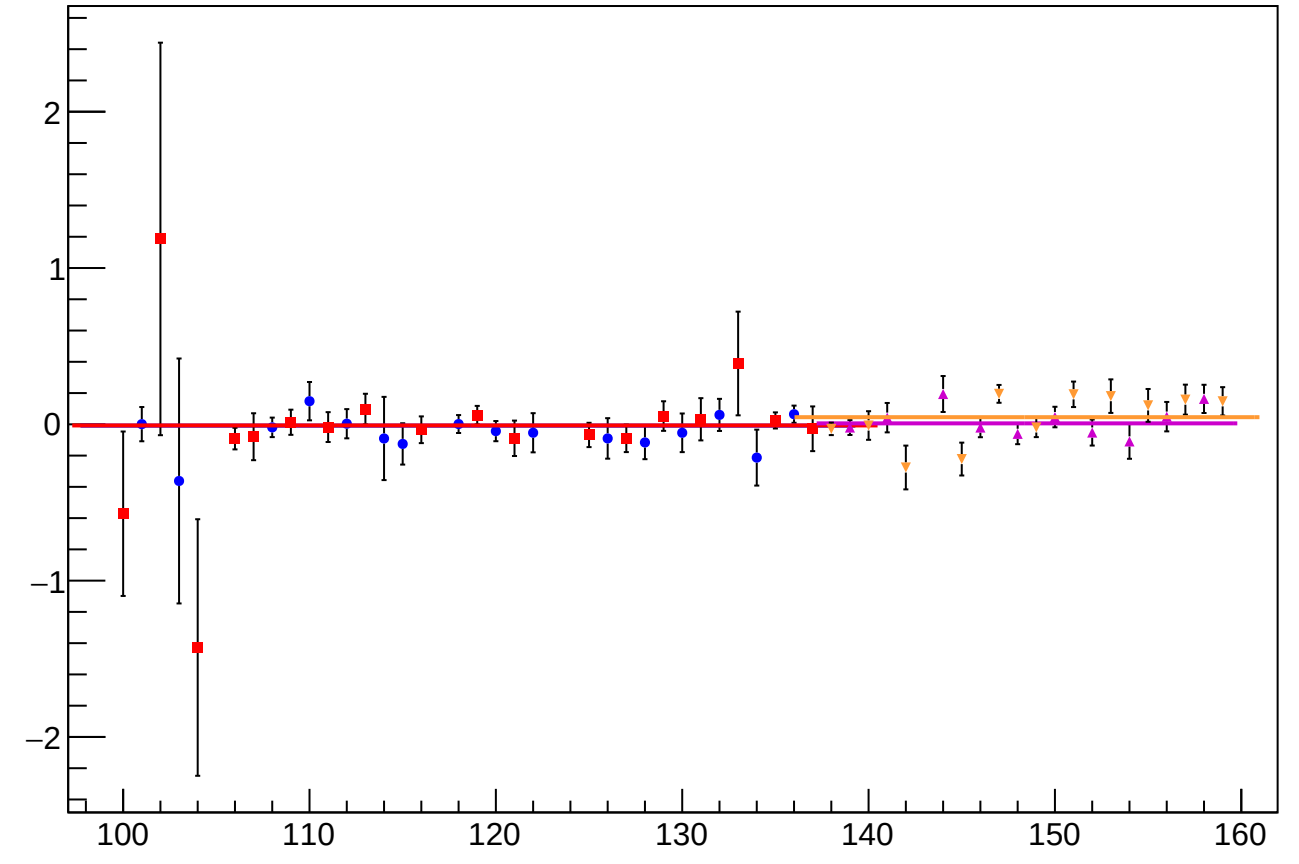
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1568430.7/9

+ sign 0.004+/-0.000 χ^2/NDF: 13073770.4/26

All: 0.004+/-0.000 χ^2/NDF: 27711514.7/54

- sign 0.003+/-0.000 χ^2/NDF: 14204103.2/27



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.046+/-0.022 χ^2/NDF:31.5/10

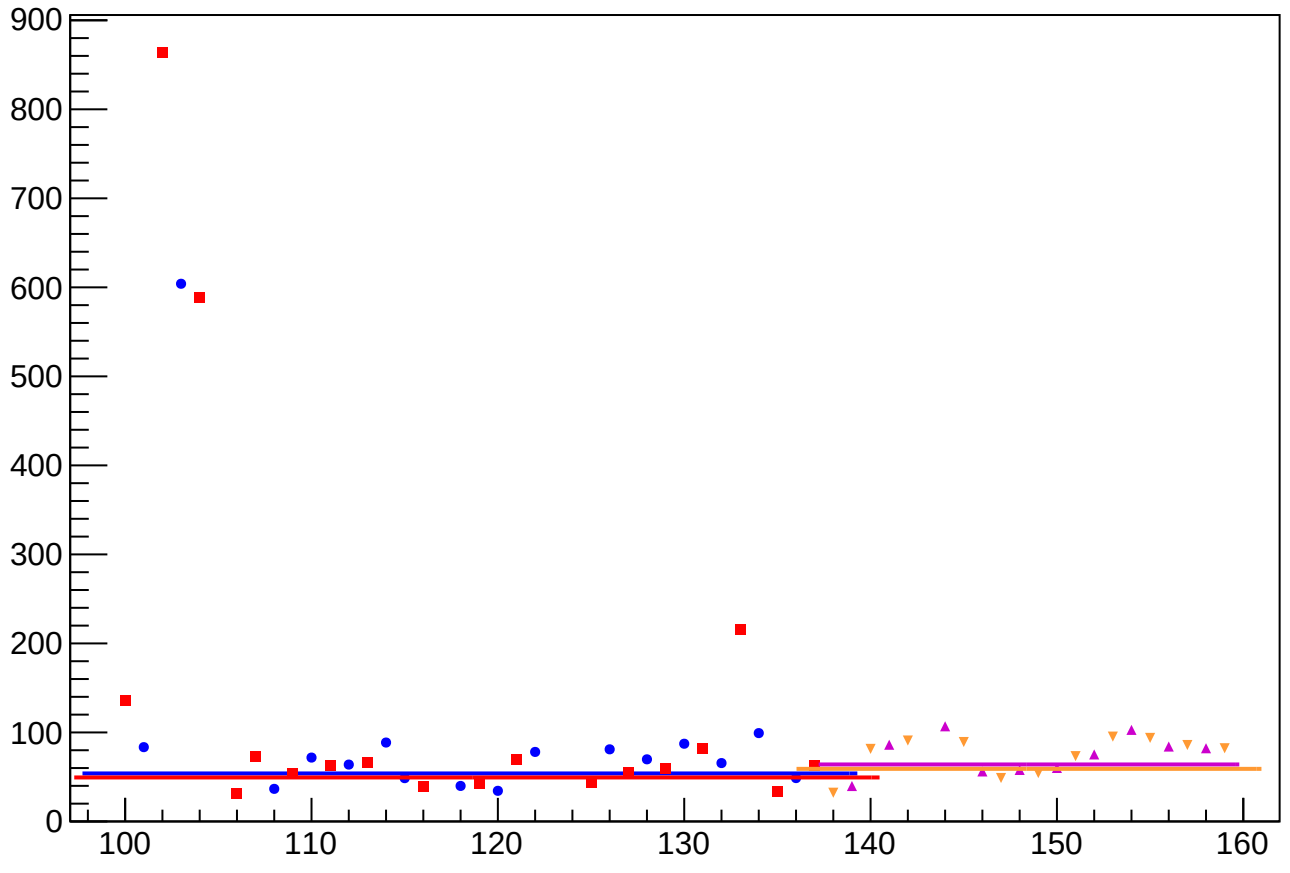
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.023 χ^2/NDF:9.5/9

+ sign 0.020+/-0.016 χ^2/NDF: 42.7/26

All: 0.010+/-0.011 χ^2/NDF: 66.8/54

- sign -0.001+/-0.016 χ^2/NDF: 23.4/27



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 59.086+/-0.016 χ^2/NDF:2161479.4/10

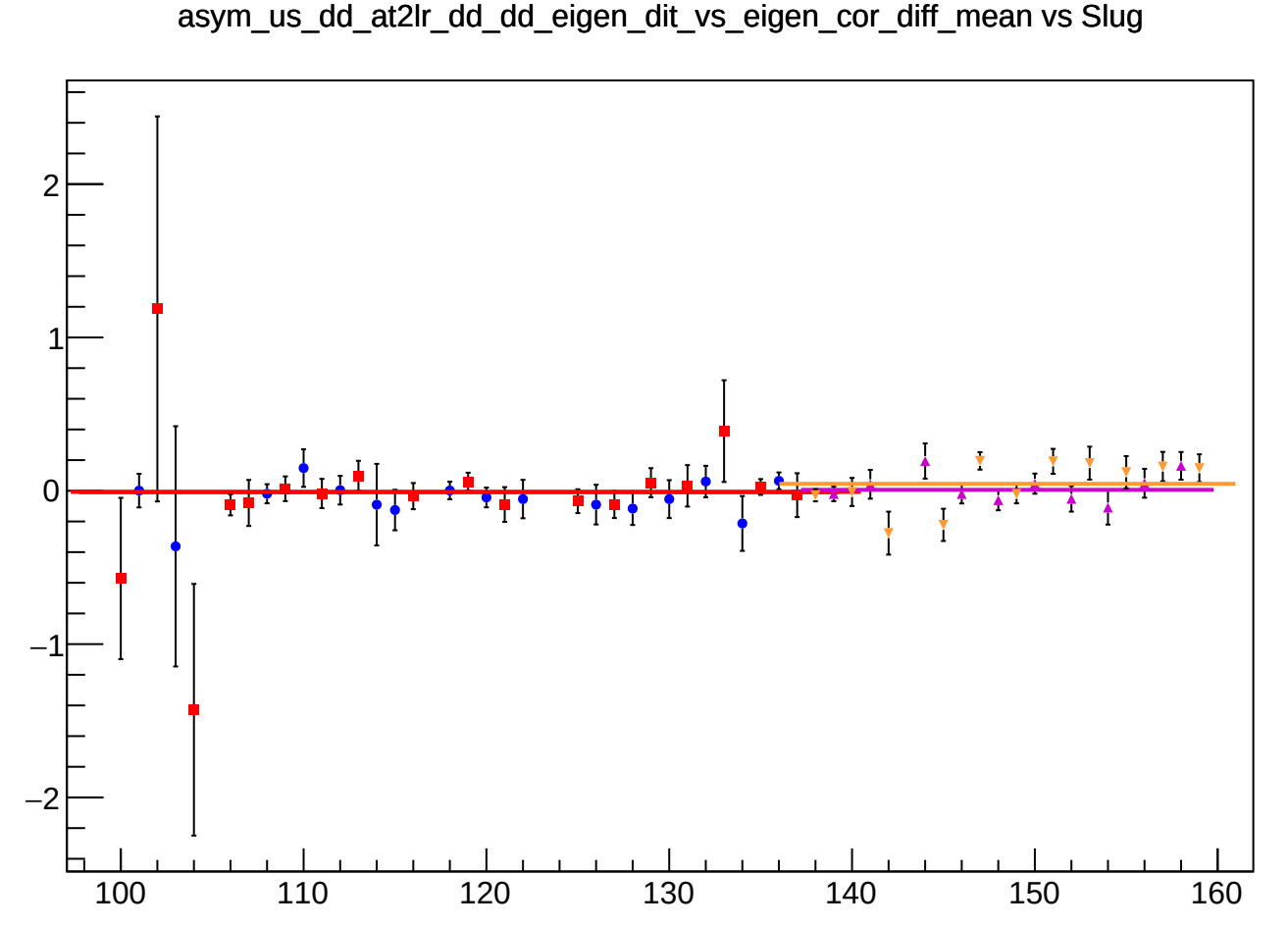
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 64.027+/-0.017 χ^2/NDF:1416457.6/9

+ sign 56.603+/-0.011 χ^2/NDF: 4427055.5/26

All: 56.461+/-0.008 χ^2/NDF: 9269072.7/54

- sign 56.317+/-0.011 χ^2/NDF: 4841703.0/27



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.046+/-0.022 χ^2/NDF:31.5/10

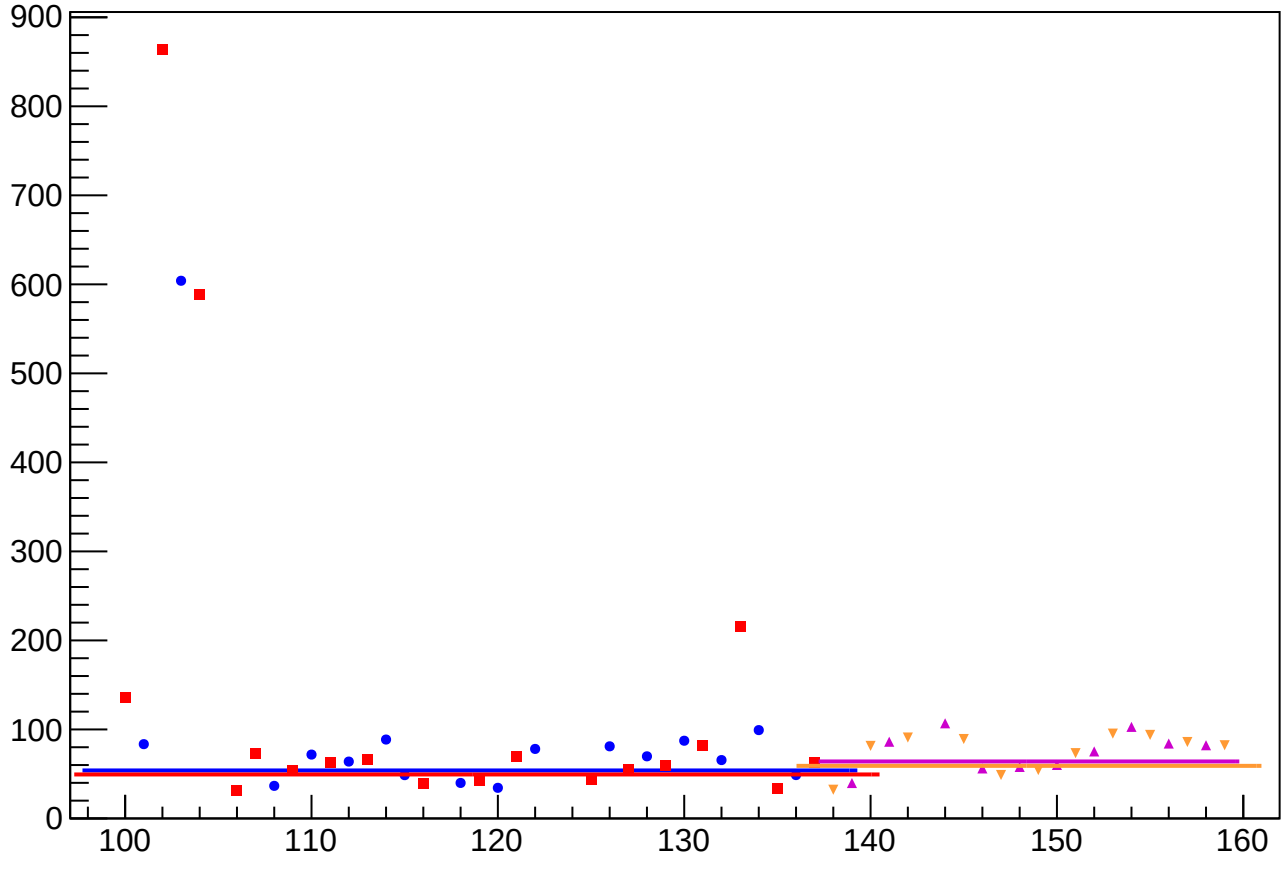
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.006+/-0.023 χ^2/NDF:9.5/9

+ sign 0.020+/-0.016 χ^2/NDF: 42.7/26

All: 0.010+/-0.011 χ^2/NDF: 66.8/54

- sign -0.001+/-0.016 χ^2/NDF: 23.4/27



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 59.086+/-0.016 χ^2/NDF:2161479.4/10

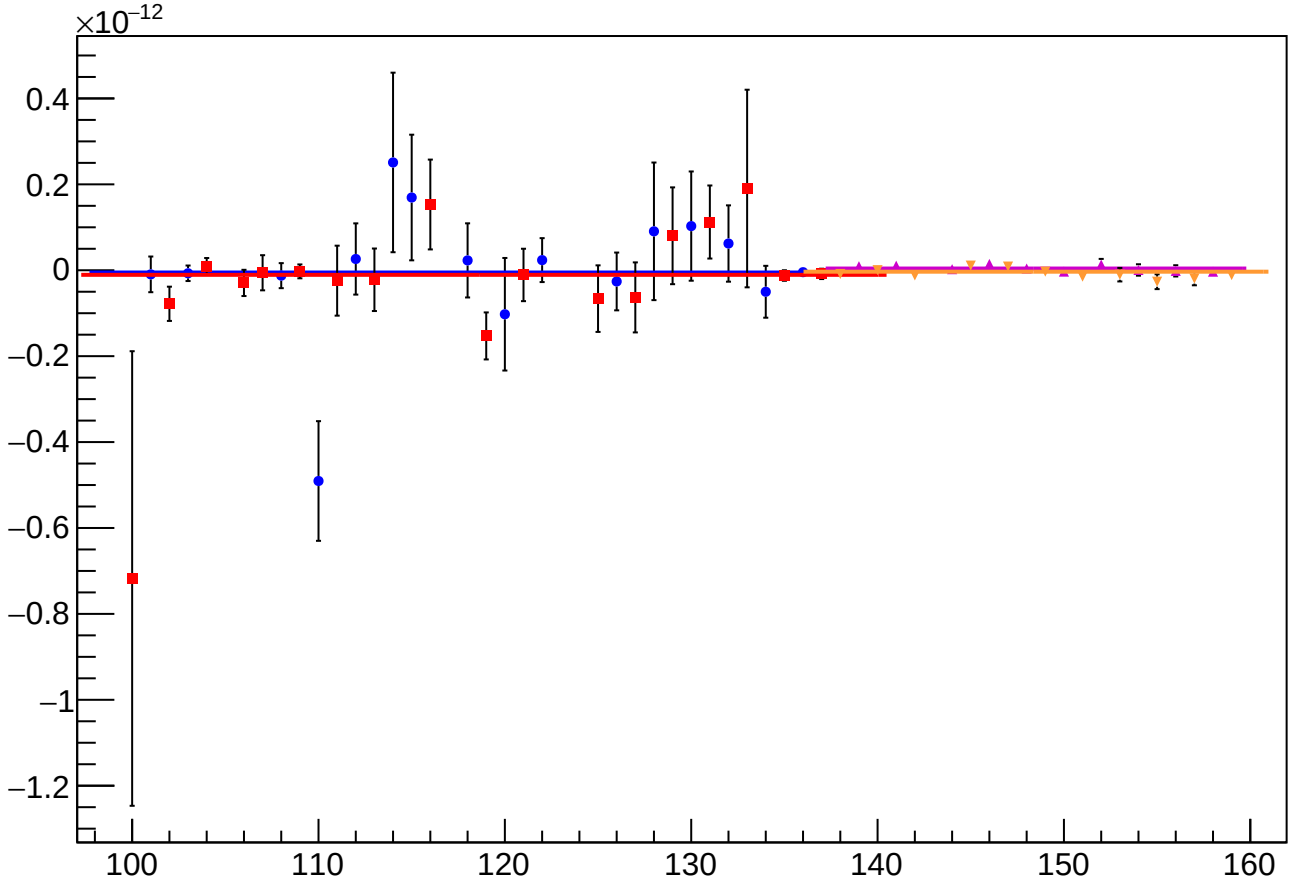
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 64.027+/-0.017 χ^2/NDF:1416457.6/9

+ sign 56.603+/-0.011 χ^2/NDF: 4427055.5/26

All: 56.461+/-0.008 χ^2/NDF: 9269072.7/54

- sign 56.317+/-0.011 χ^2/NDF: 4841703.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/10

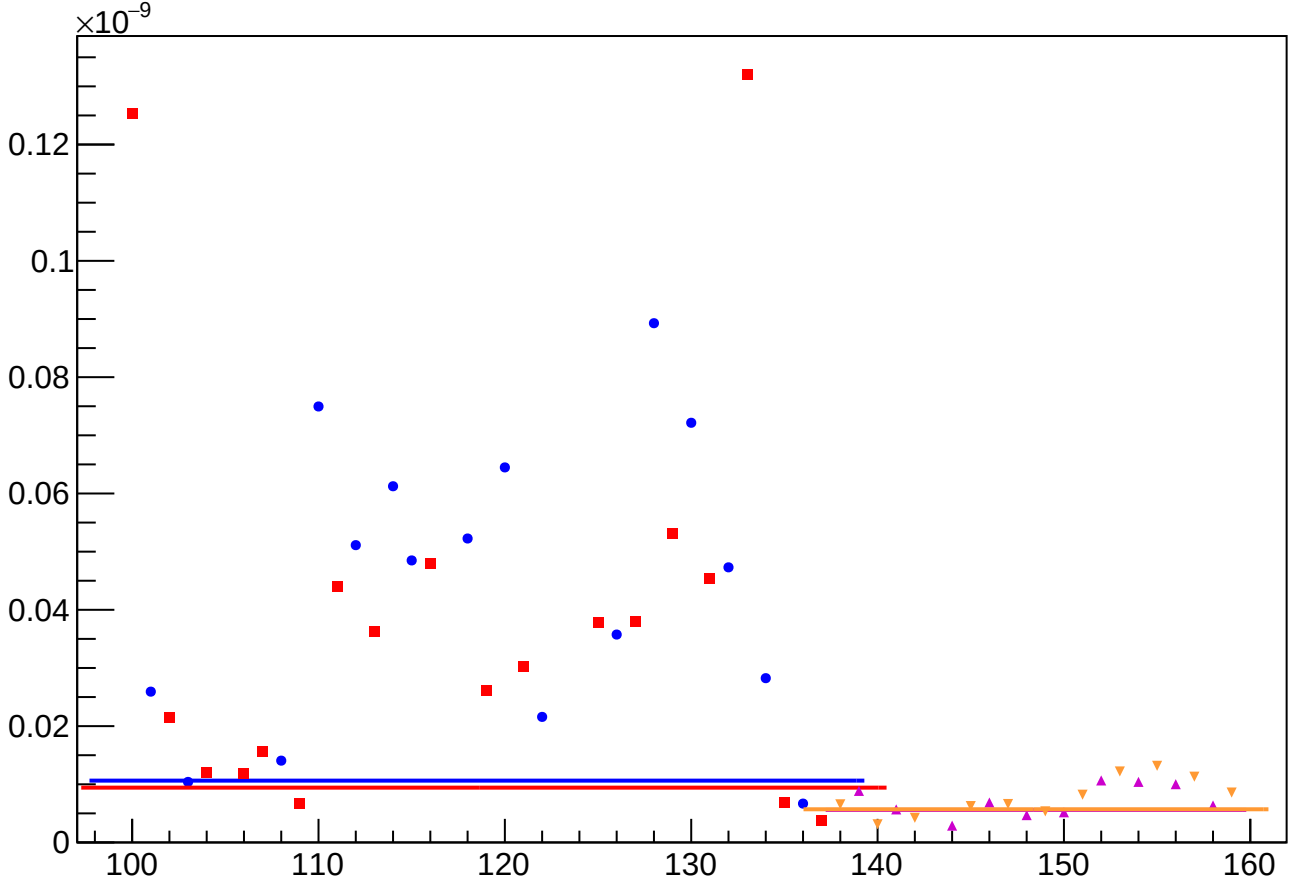
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/26

All: -0.000+/-0.000 χ^2/NDF: 62.7/54

- sign 0.000+/-0.000 χ^2/NDF: 29.8/27



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

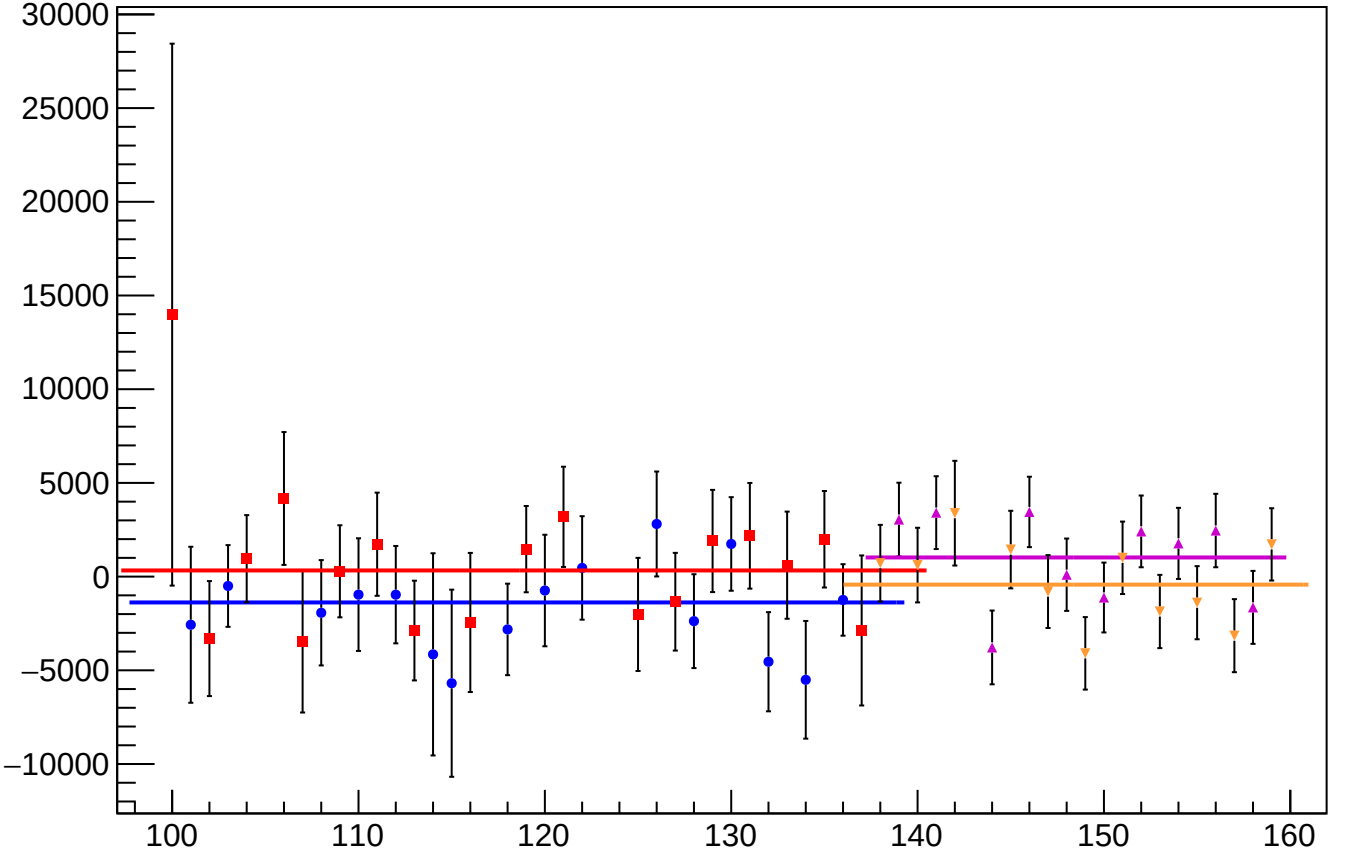
Left In: 0.000+/-0.000 χ^2/NDF:1661582.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 7431292.7/26

All: 0.000+/-0.000 χ^2/NDF: 13740617.3/54

- sign 0.000+/-0.000 χ^2/NDF: 6301174.1/27

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

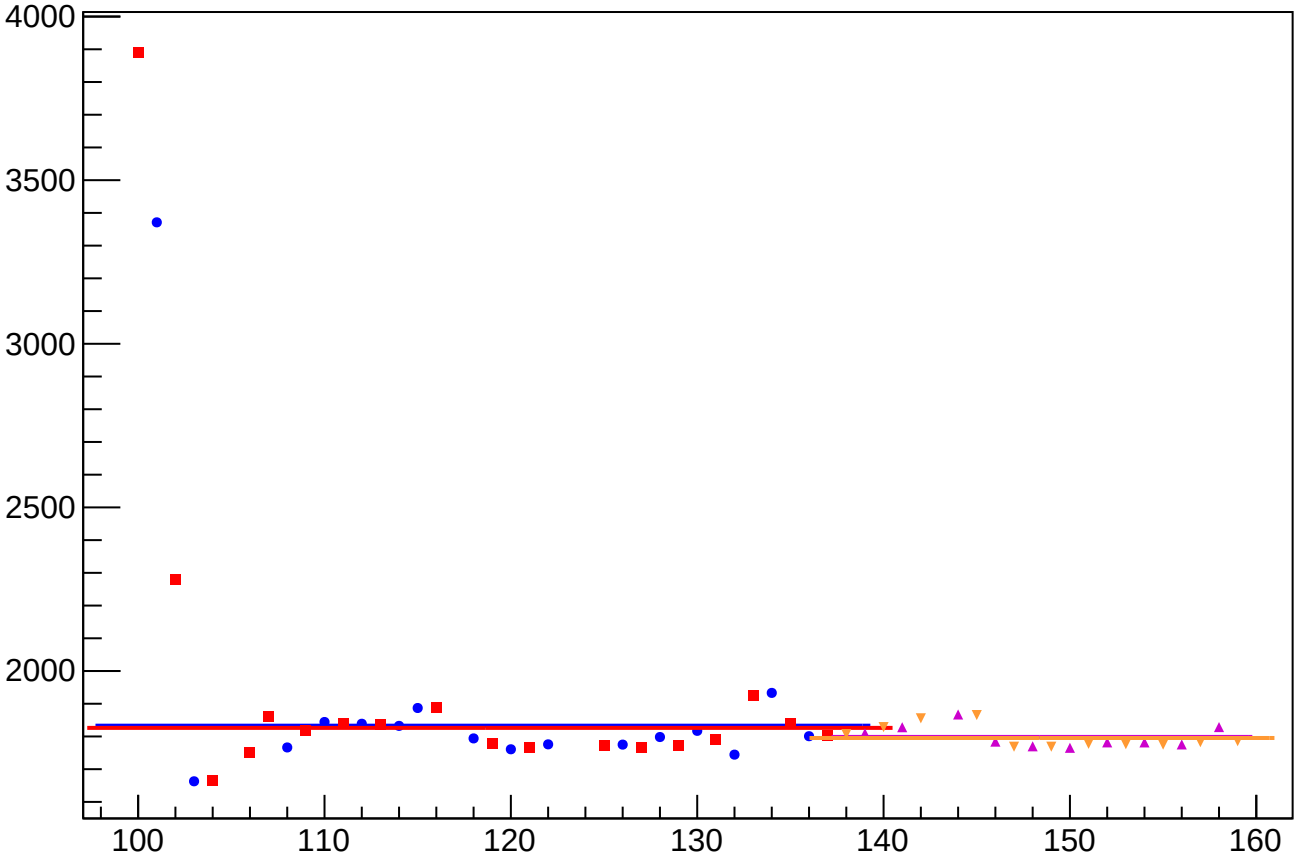
Left In: 1022.130+/-608.995 χ^2/NDF:14.8/9

+ sign -844.078+/-455.723 χ^2/NDF: 21.8/26

All: -62.731+/-321.920 χ^2/NDF: 54.1/54

- sign 715.479+/-454.807 χ^2/NDF: 26.5/27

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

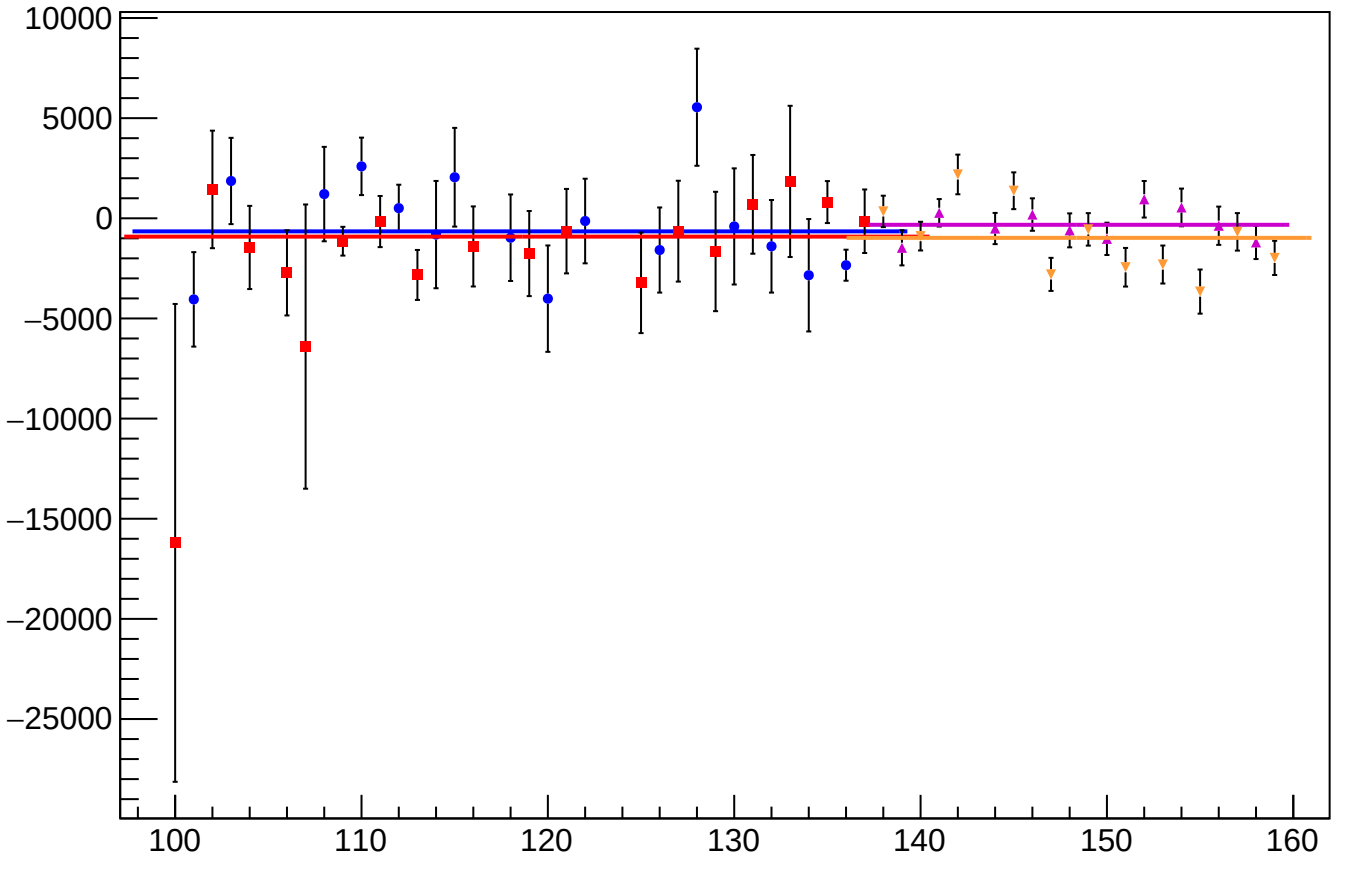
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

+ sign 1811.788+/-0.322 χ^2/NDF: 304104.5/26

All: 1811.295+/-0.228 χ^2/NDF: 414149.2/54

- sign 1810.804+/-0.322 χ^2/NDF: 110040.1/27



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -975.950+/-264.458 χ^2/NDF:36.5/10

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

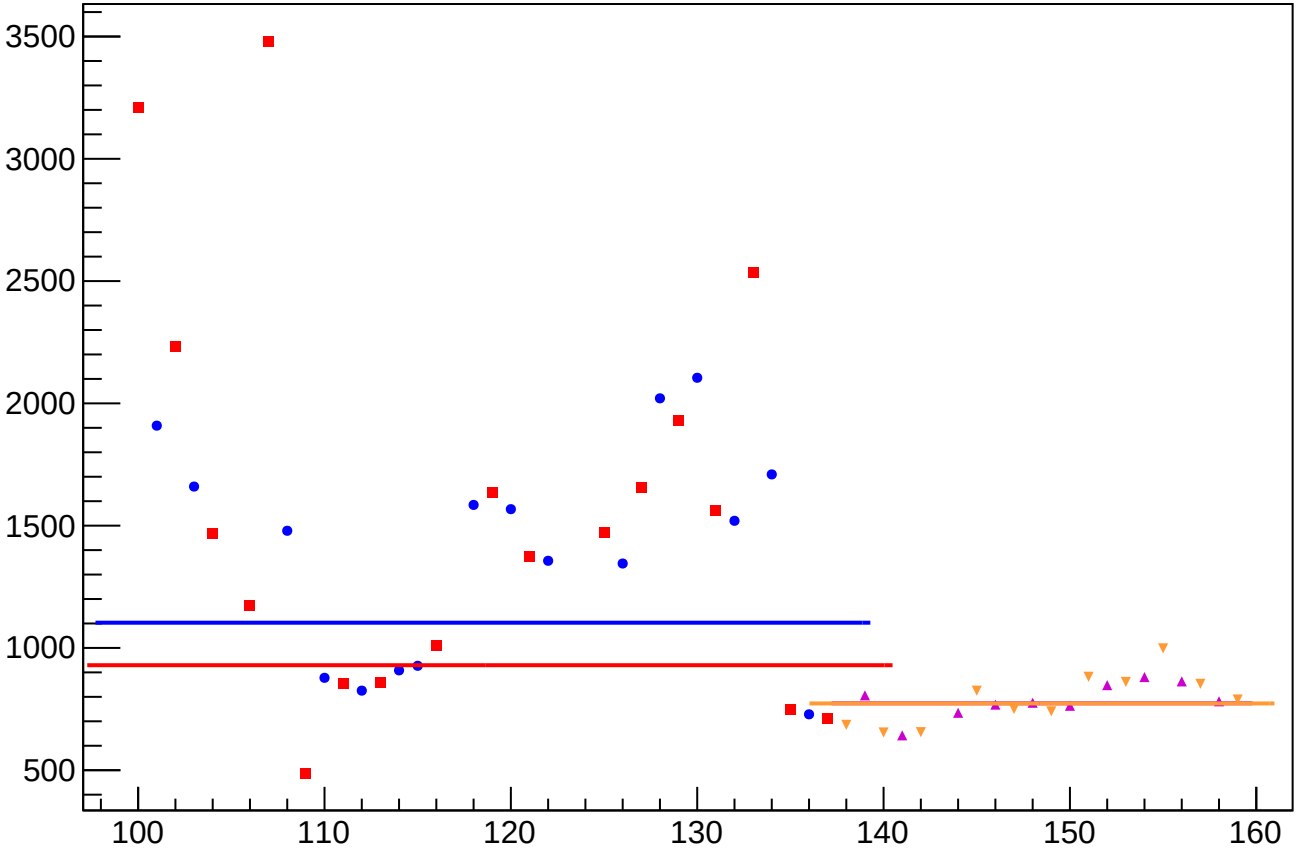
Left In: -324.644+/-263.680 χ^2/NDF:7.7/9

+ sign -890.575+/-226.957 χ^2/NDF: 60.1/26

All: -692.259+/-157.607 χ^2/NDF: 82.4/54

- sign -507.545+/-219.035 χ^2/NDF: 20.8/27

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 772.992+/-0.187 χ^2/NDF:261084.7/10

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

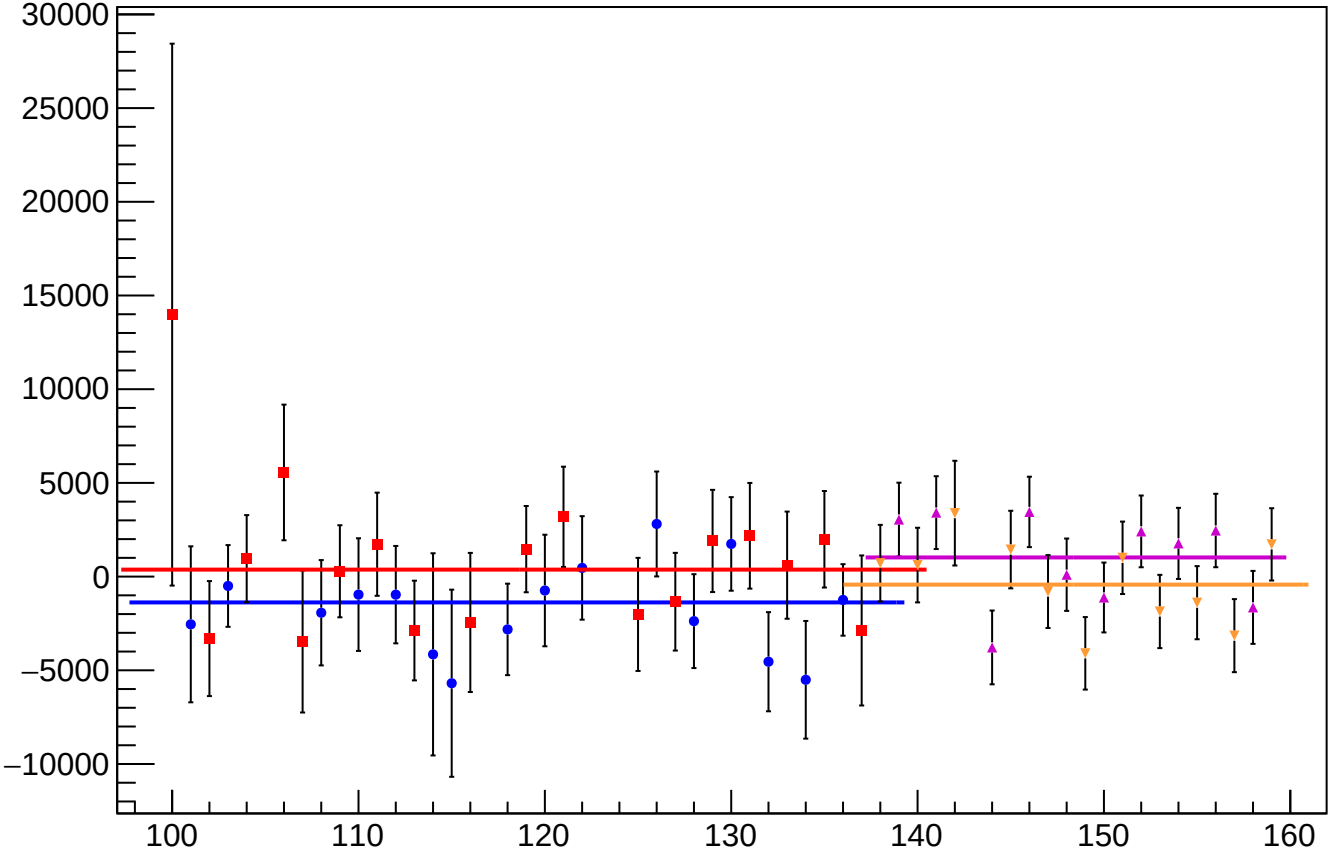
Left In: 773.605+/-0.186 χ^2/NDF:138128.3/9

+ sign 859.997+/-0.160 χ^2/NDF: 2960795.7/26

All: 840.263+/-0.111 χ^2/NDF: 6398519.3/54

- sign 821.882+/-0.155 χ^2/NDF: 3408518.9/27

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

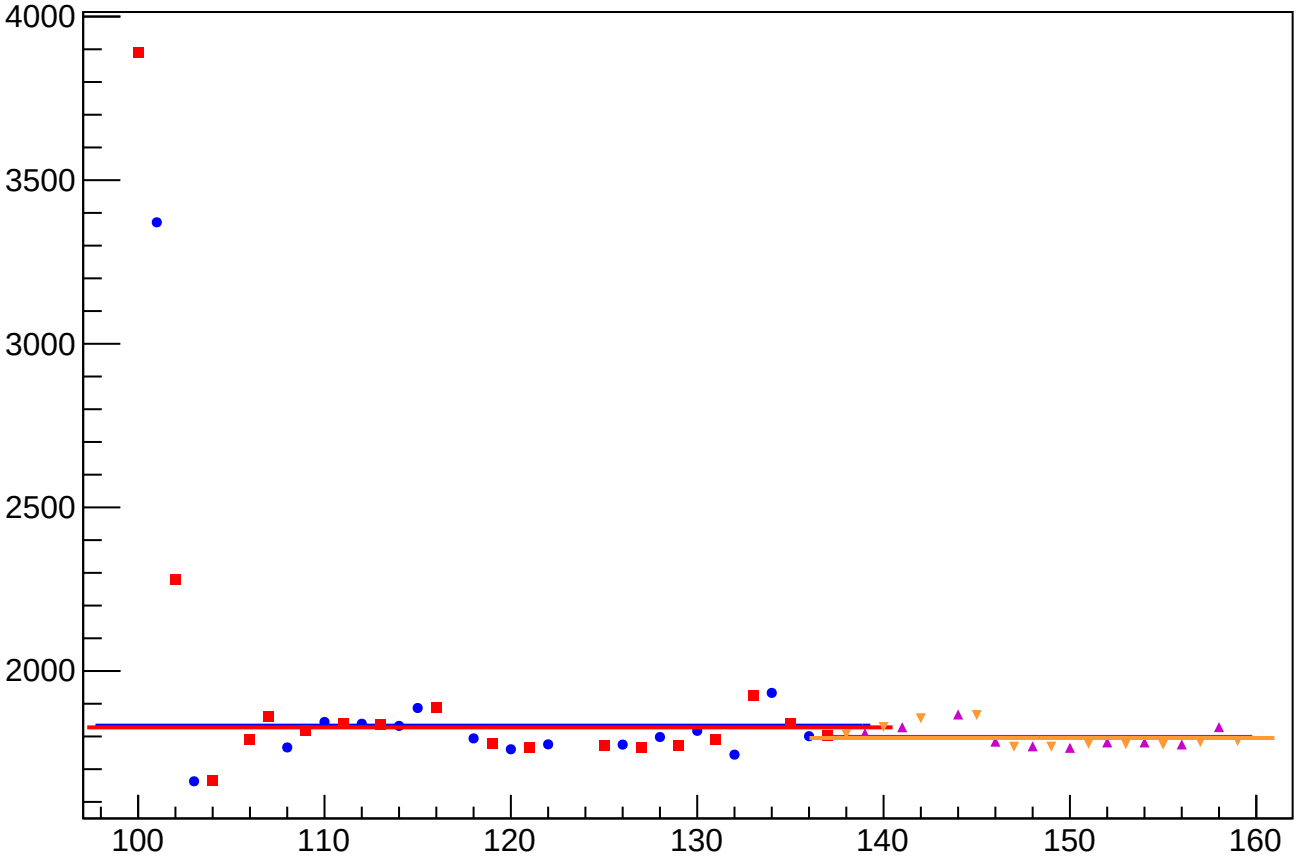
Left In: 1022.039+/-608.995 χ^2/NDF:14.8/9

+ sign -843.727+/-455.723 χ^2/NDF: 21.8/26

All: -53.027+/-321.975 χ^2/NDF: 55.1/54

- sign 735.028+/-454.960 χ^2/NDF: 27.3/27

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

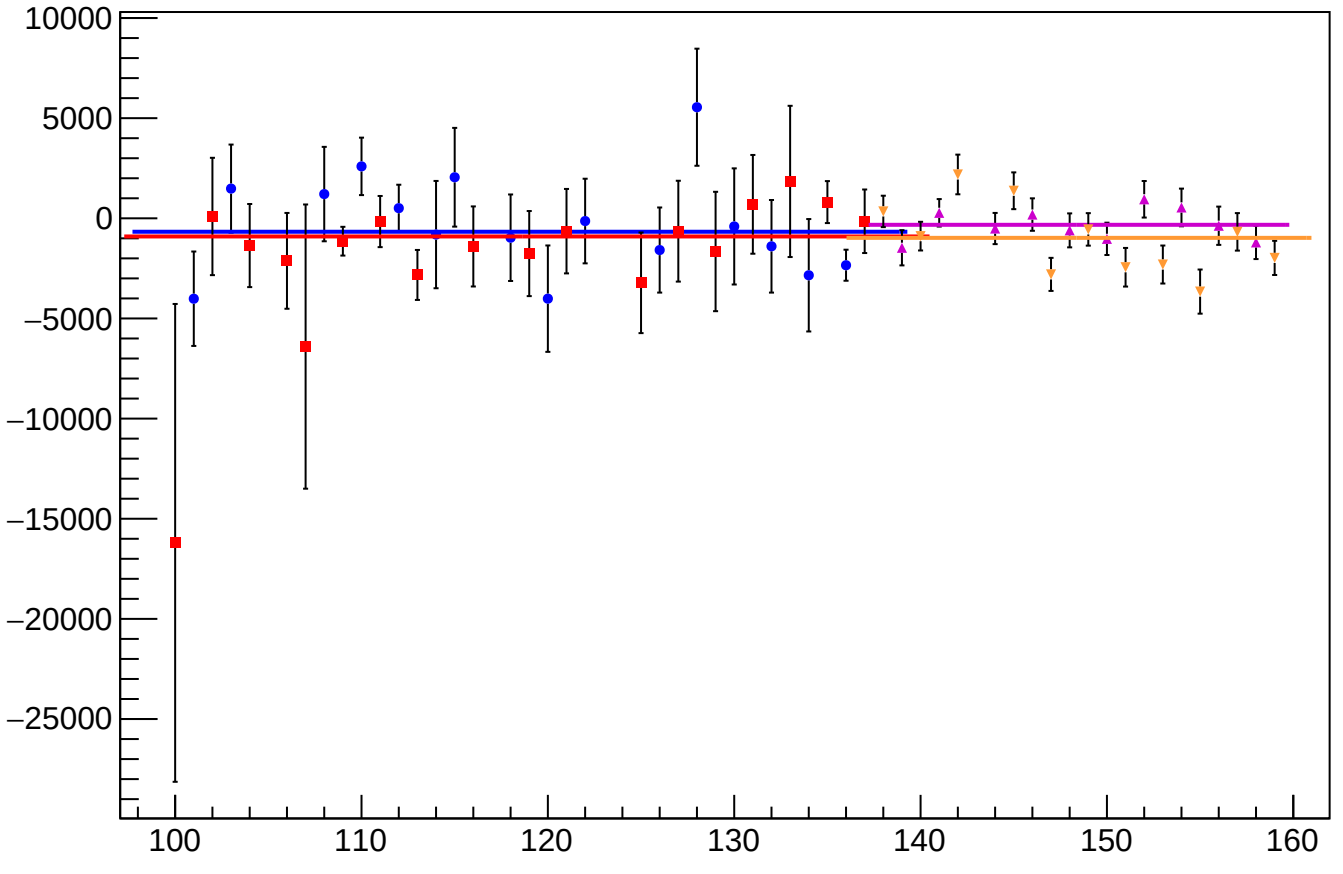
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

+ sign 1811.788+/-0.322 χ^2/NDF: 304106.3/26

All: 1811.639+/-0.228 χ^2/NDF: 413622.5/54

- sign 1811.490+/-0.322 χ^2/NDF: 109515.8/27



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -975.917+/-264.459 χ^2/NDF:36.5/10

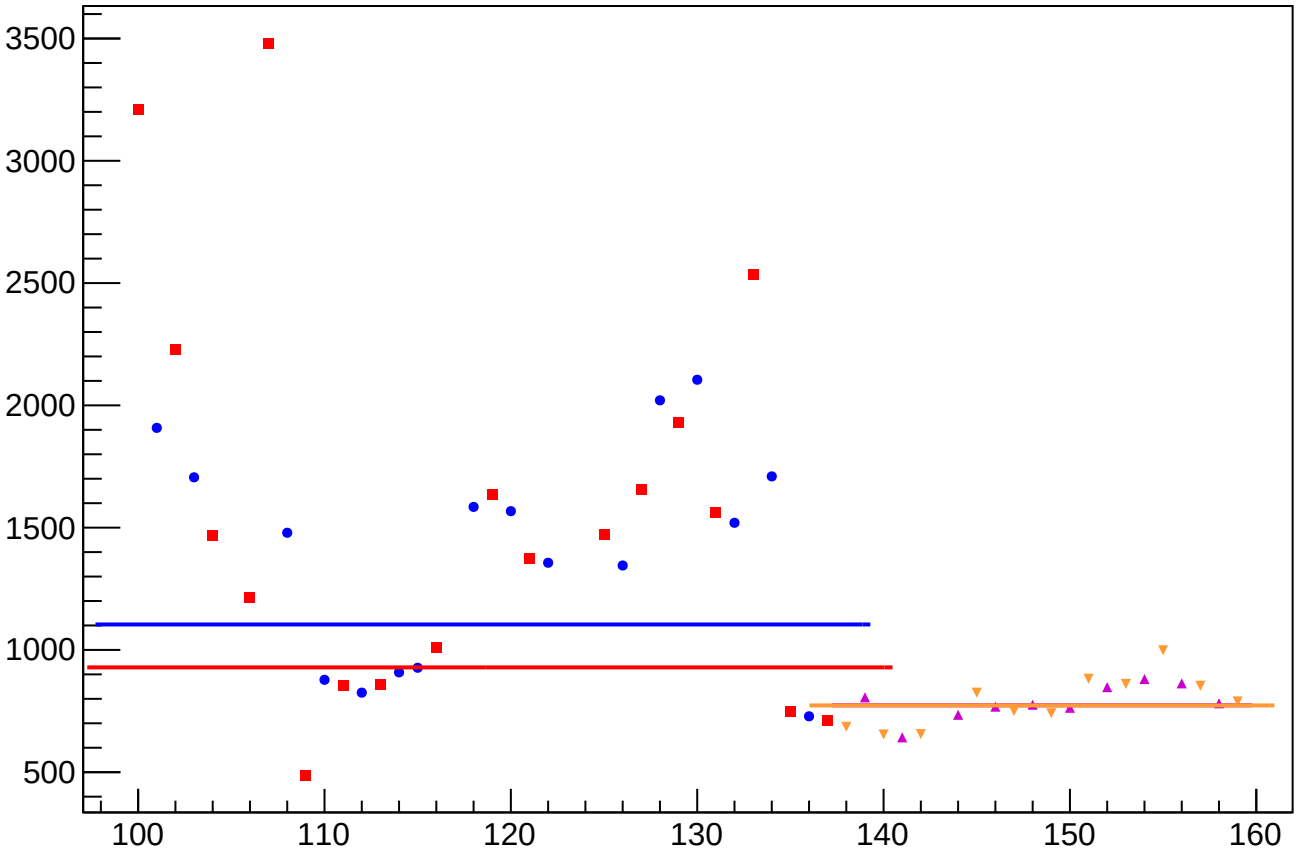
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -324.621+/-263.681 χ^2/NDF:7.7/9

+ sign -895.549+/-227.008 χ^2/NDF: 59.6/26

All: -692.946+/-157.714 χ^2/NDF: 80.8/54

- sign -503.911+/-219.275 χ^2/NDF: 19.7/27



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

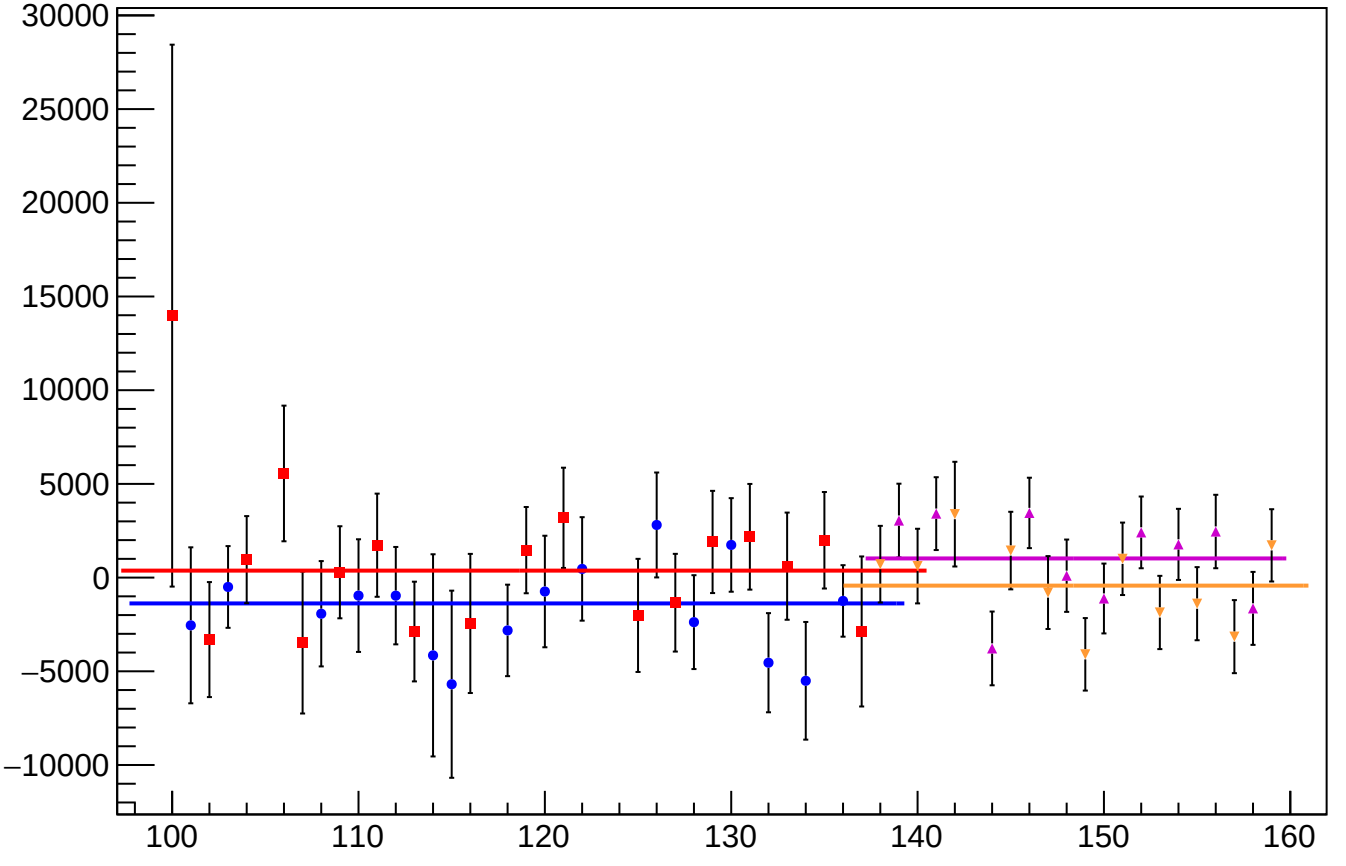
Left In: 773.607+/-0.186 χ^2/NDF:138178.3/9

+ sign 860.136+/-0.161 χ^2/NDF: 2980600.1/26

All: 840.110+/-0.112 χ^2/NDF: 6416478.6/54

- sign 821.424+/-0.155 χ^2/NDF: 3405790.1/27

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

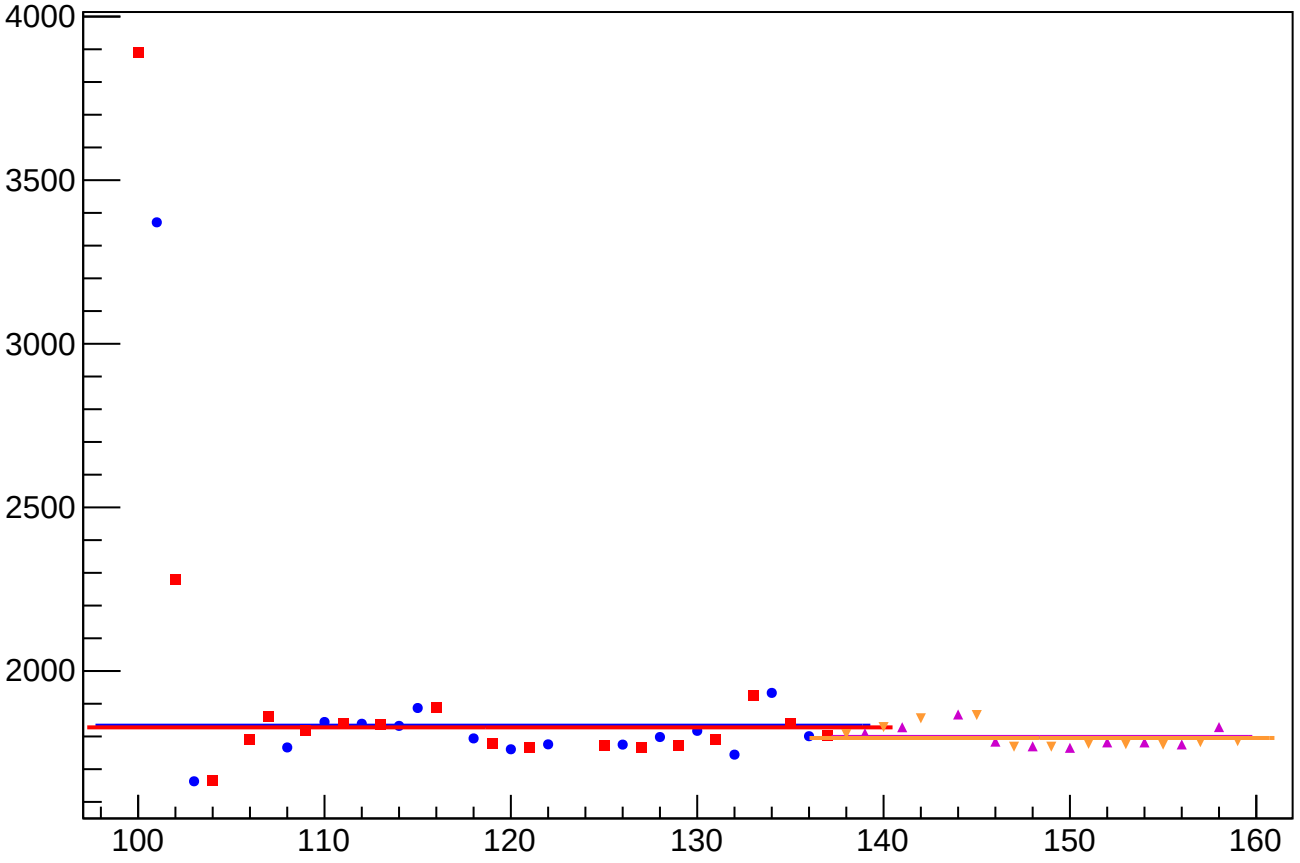
Left In: 1022.039+/-608.995 χ^2/NDF:14.8/9

+ sign -843.727+/-455.723 χ^2/NDF: 21.8/26

All: -53.027+/-321.975 χ^2/NDF: 55.1/54

- sign 735.028+/-454.960 χ^2/NDF: 27.3/27

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

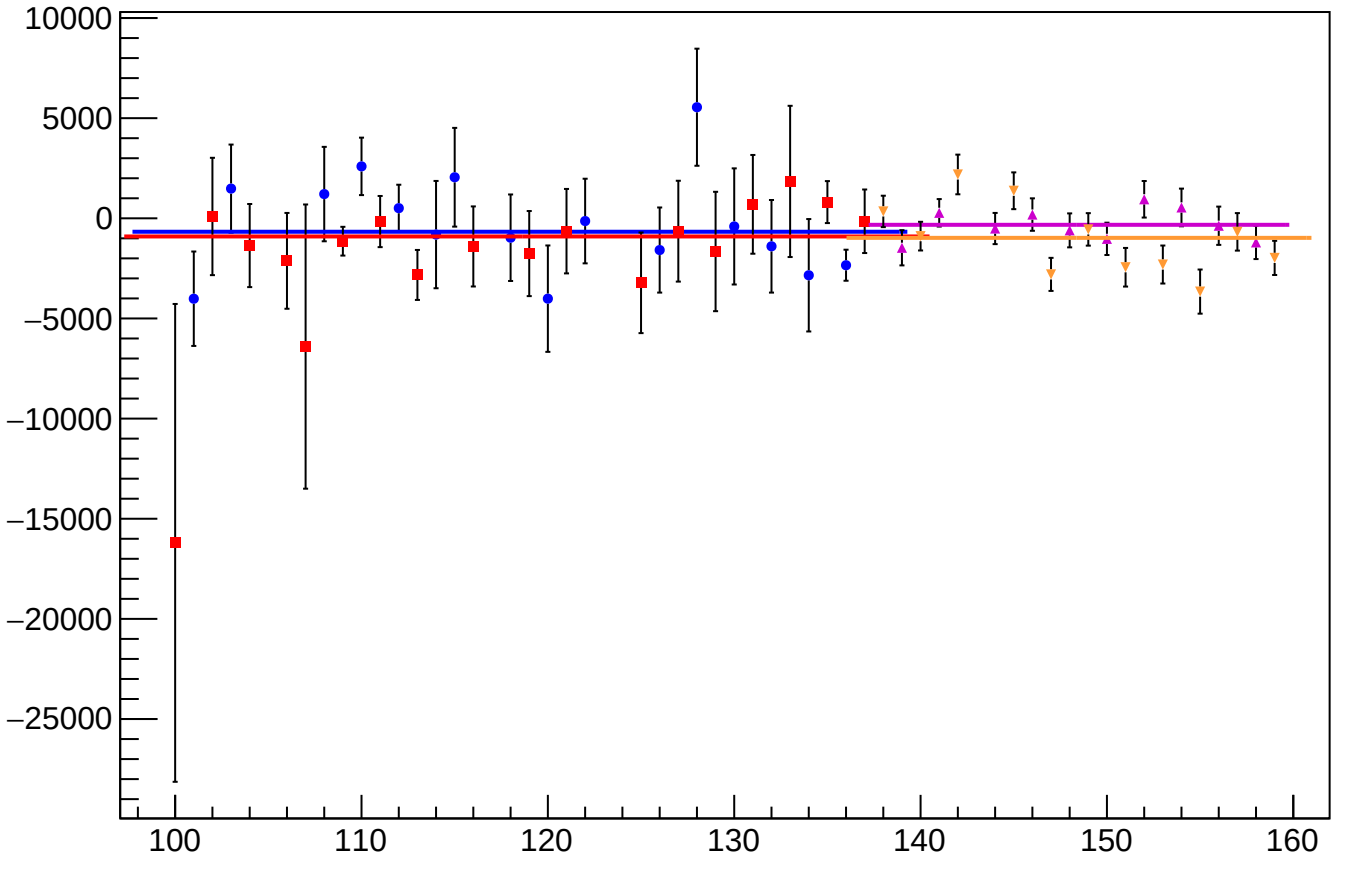
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1798.588+/-0.431 χ^2/NDF:5214.1/9

+ sign 1811.788+/-0.322 χ^2/NDF: 304106.3/26

All: 1811.639+/-0.228 χ^2/NDF: 413622.5/54

- sign 1811.490+/-0.322 χ^2/NDF: 109515.8/27



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -975.917+/-264.459 χ^2/NDF:36.5/10

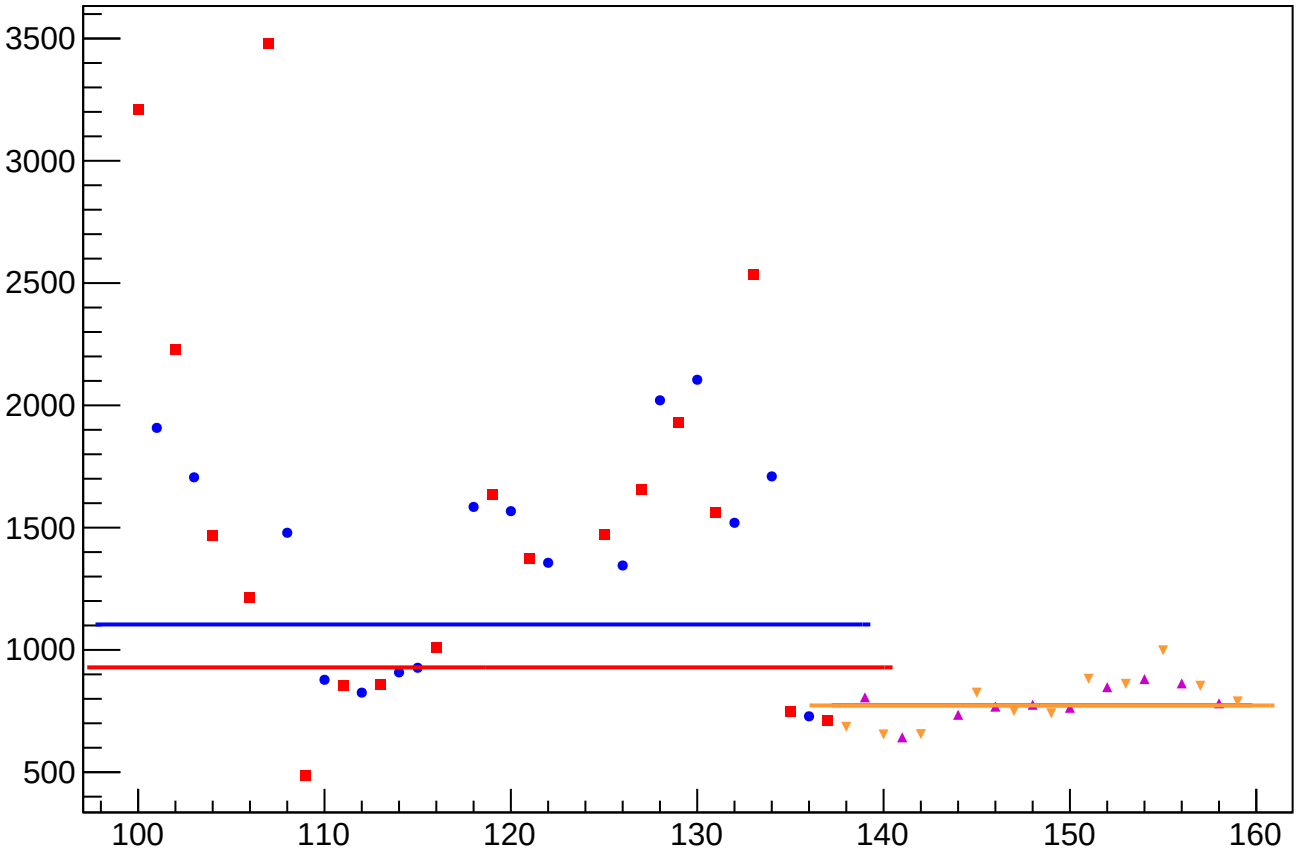
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -324.621+/-263.681 χ^2/NDF:7.7/9

+ sign -895.549+/-227.008 χ^2/NDF: 59.6/26

All: -692.946+/-157.714 χ^2/NDF: 80.8/54

- sign -503.911+/-219.275 χ^2/NDF: 19.7/27



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

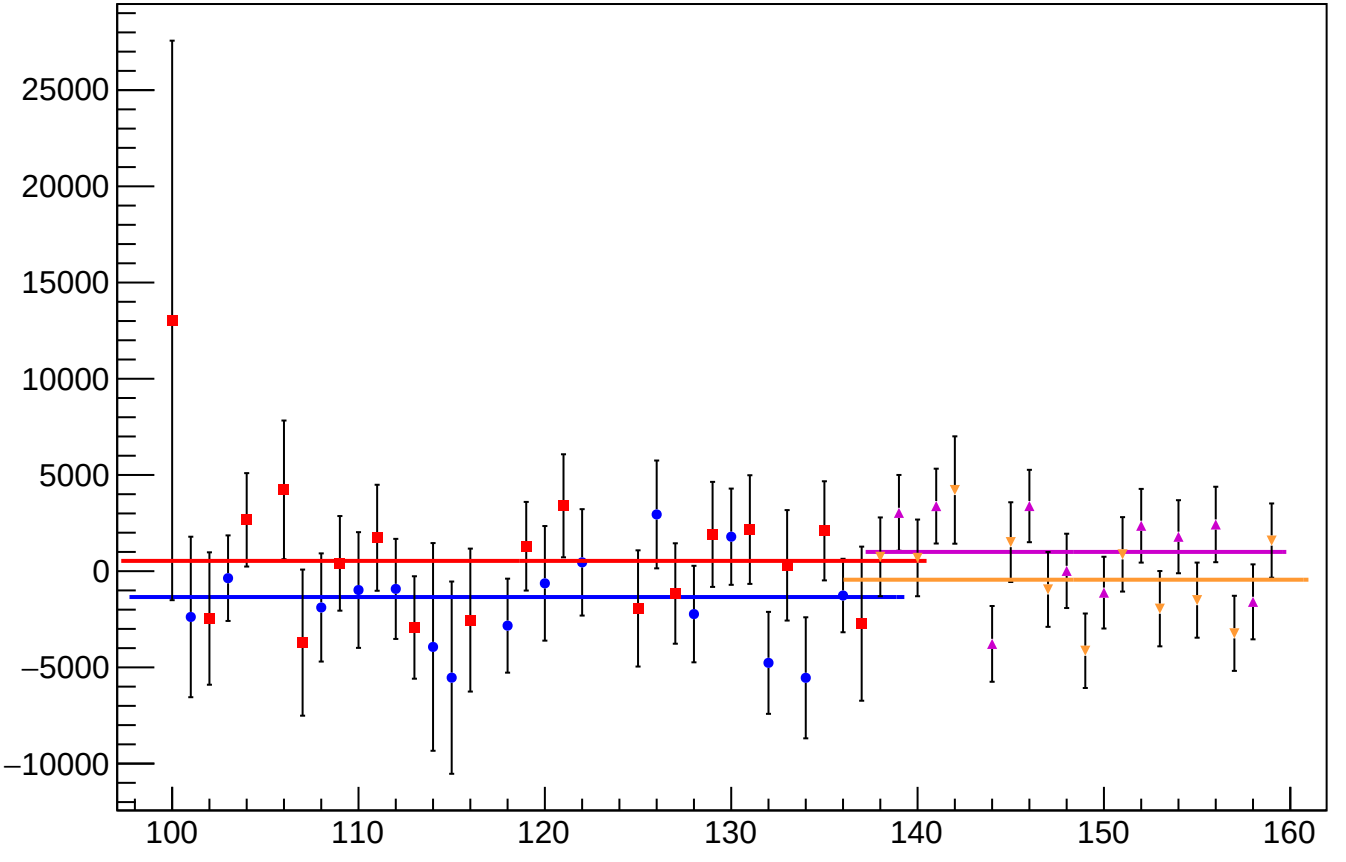
Left In: 773.607+/-0.186 χ^2/NDF:138178.3/9

+ sign 860.136+/-0.161 χ^2/NDF: 2980600.1/26

All: 840.110+/-0.112 χ^2/NDF: 6416478.6/54

- sign 821.424+/-0.155 χ^2/NDF: 3405790.1/27

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

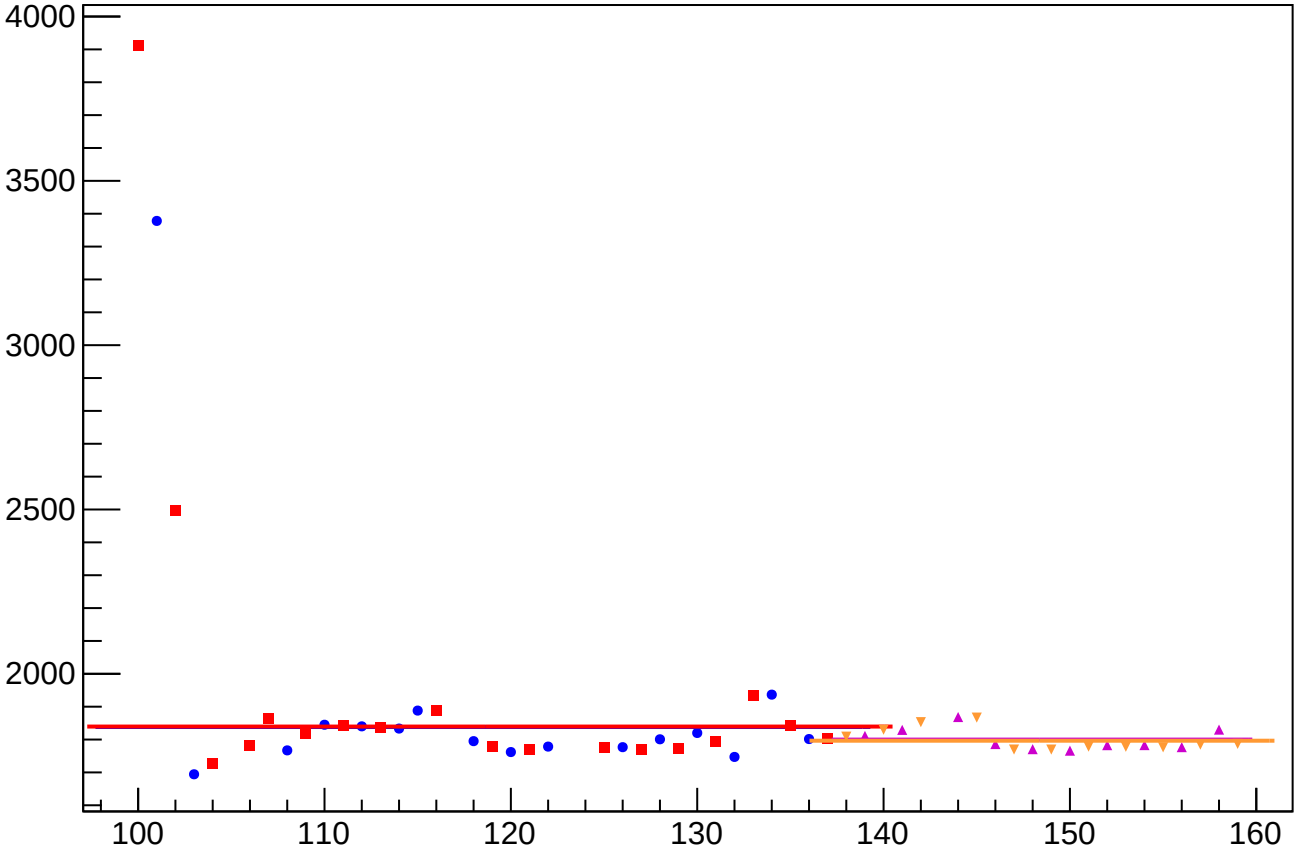
Left In: 1000.578+/-609.415 χ^2/NDF:14.6/9

+ sign -836.693+/-456.438 χ^2/NDF: 23.1/26

All: -21.178+/-322.966 χ^2/NDF: 55.5/54

- sign 796.521+/-457.049 χ^2/NDF: 26.0/27

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

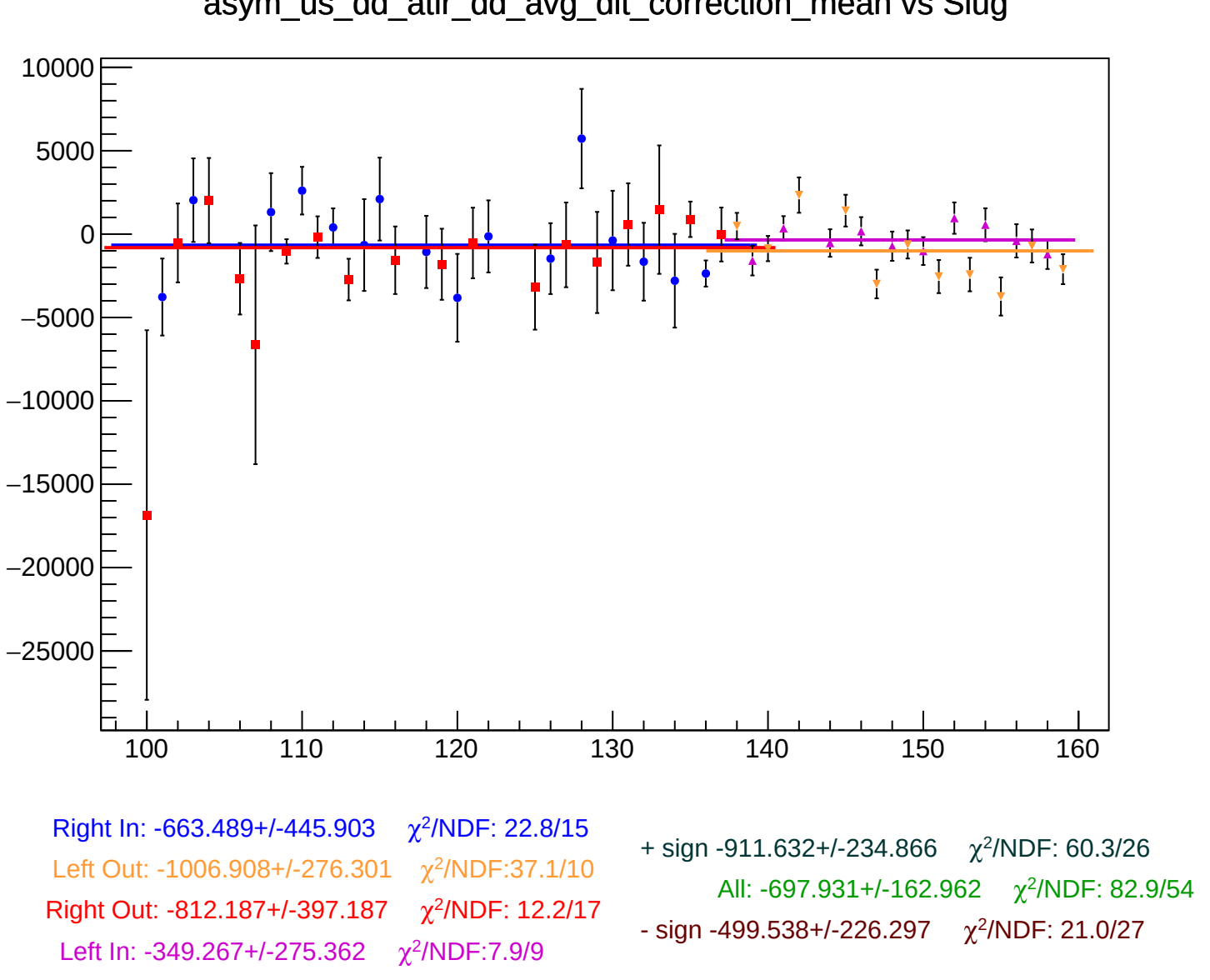
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1799.824+/-0.431 χ^2/NDF:5244.4/9

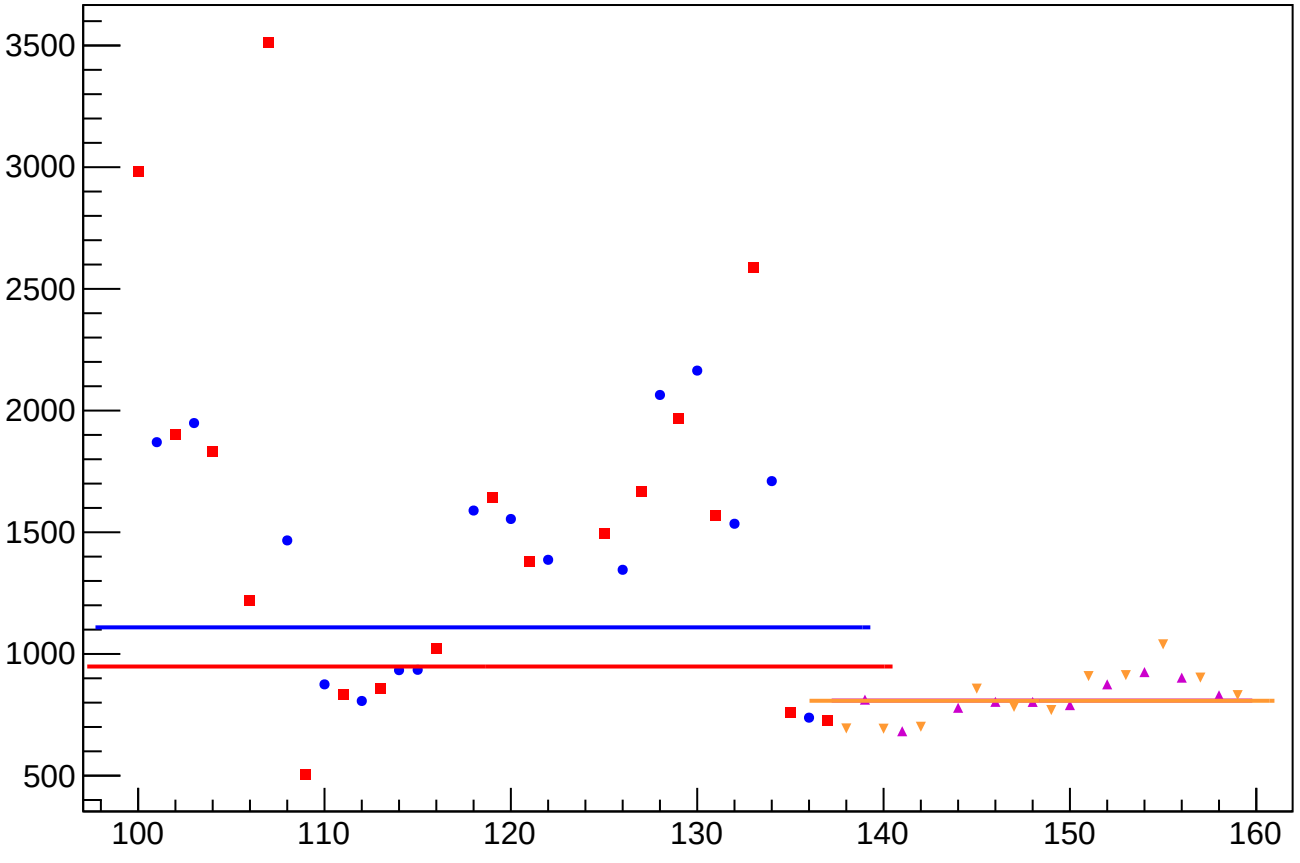
+ sign 1814.662+/-0.323 χ^2/NDF: 301306.5/26

All: 1815.925+/-0.228 χ^2/NDF: 438547.4/54

- sign 1817.191+/-0.323 χ^2/NDF: 137210.3/27


asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -663.489+/-445.903 χ²/NDF: 22.8/15
Left Out: -1006.908+/-276.301 χ²/NDF:37.1/10
Right Out: -812.187+/-397.187 χ²/NDF: 12.2/17
Left In: -349.267+/-275.362 χ²/NDF:7.9/9
+ sign -911.632+/-234.866 χ²/NDF: 60.3/26
All: -697.931+/-162.962 χ²/NDF: 82.9/54
- sign -499.538+/-226.297 χ²/NDF: 21.0/27

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

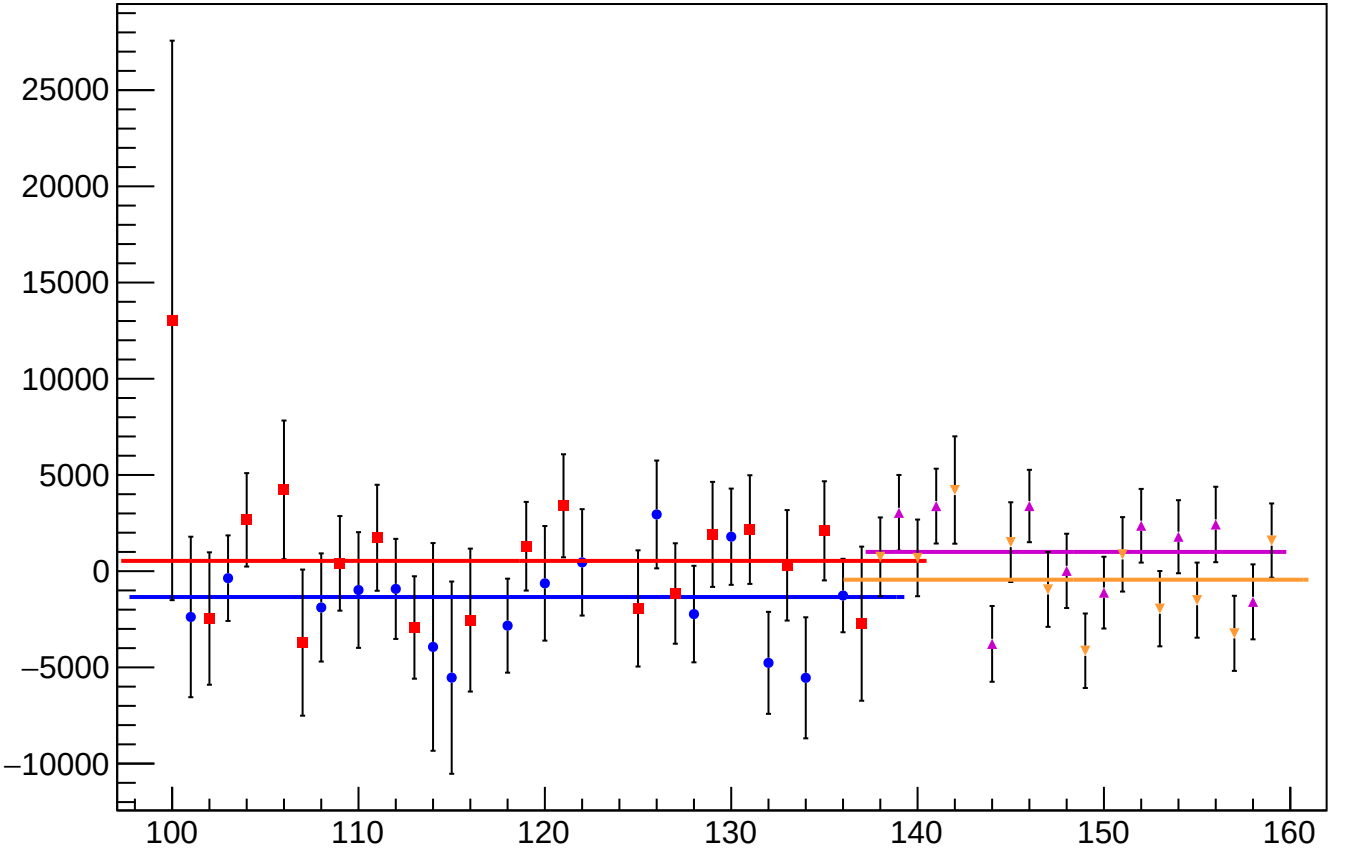
Left In: 808.561+/-0.195 χ^2/NDF:120699.3/9

+ sign 891.397+/-0.166 χ^2/NDF: 2897492.7/26

All: 871.987+/-0.115 χ^2/NDF: 6265729.0/54

- sign 853.968+/-0.160 χ^2/NDF: 3341896.0/27

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -443.920+/-607.989 χ^2/NDF:12.5/10

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

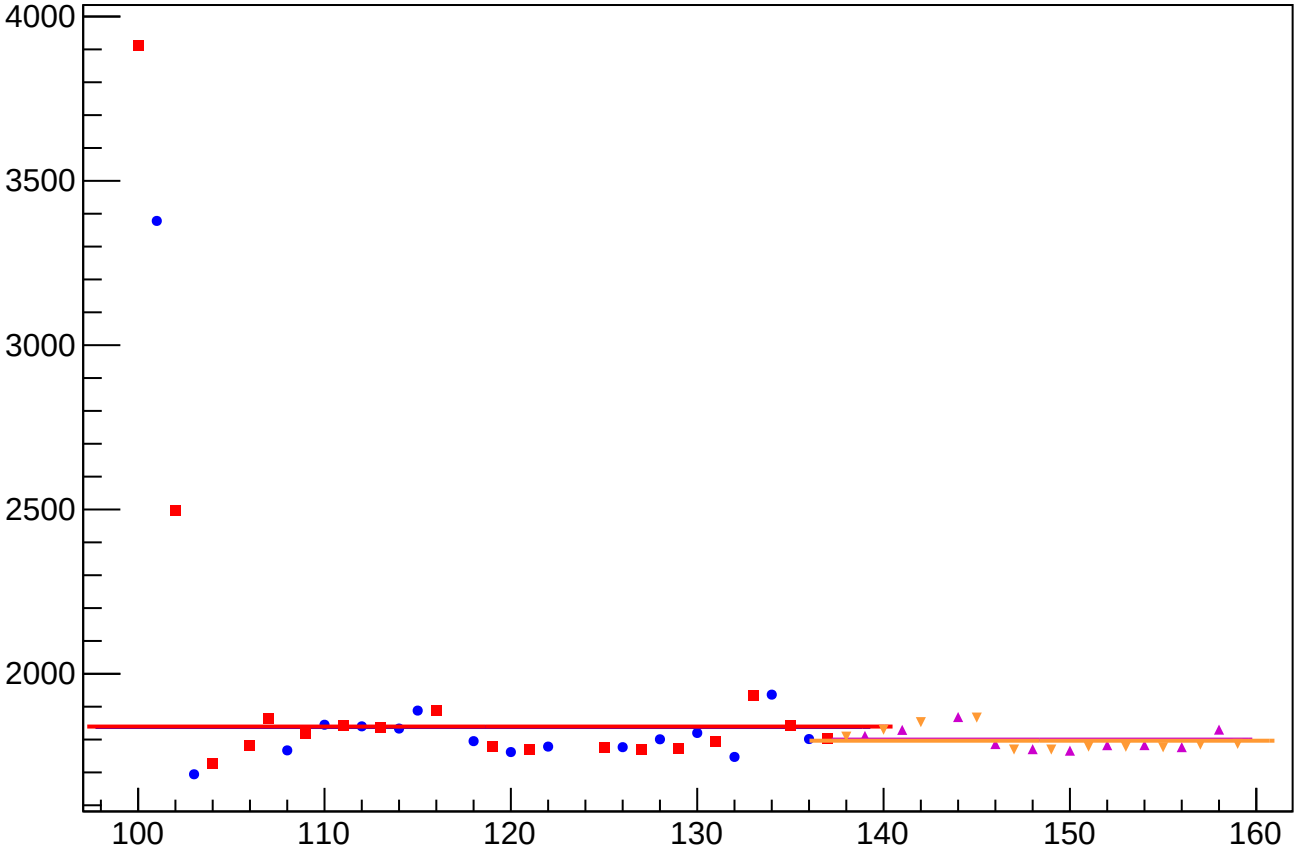
Left In: 1000.574+/-609.415 χ^2/NDF:14.6/9

+ sign -836.694+/-456.438 χ^2/NDF: 23.1/26

All: -21.179+/-322.966 χ^2/NDF: 55.5/54

- sign 796.521+/-457.049 χ^2/NDF: 26.0/27

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

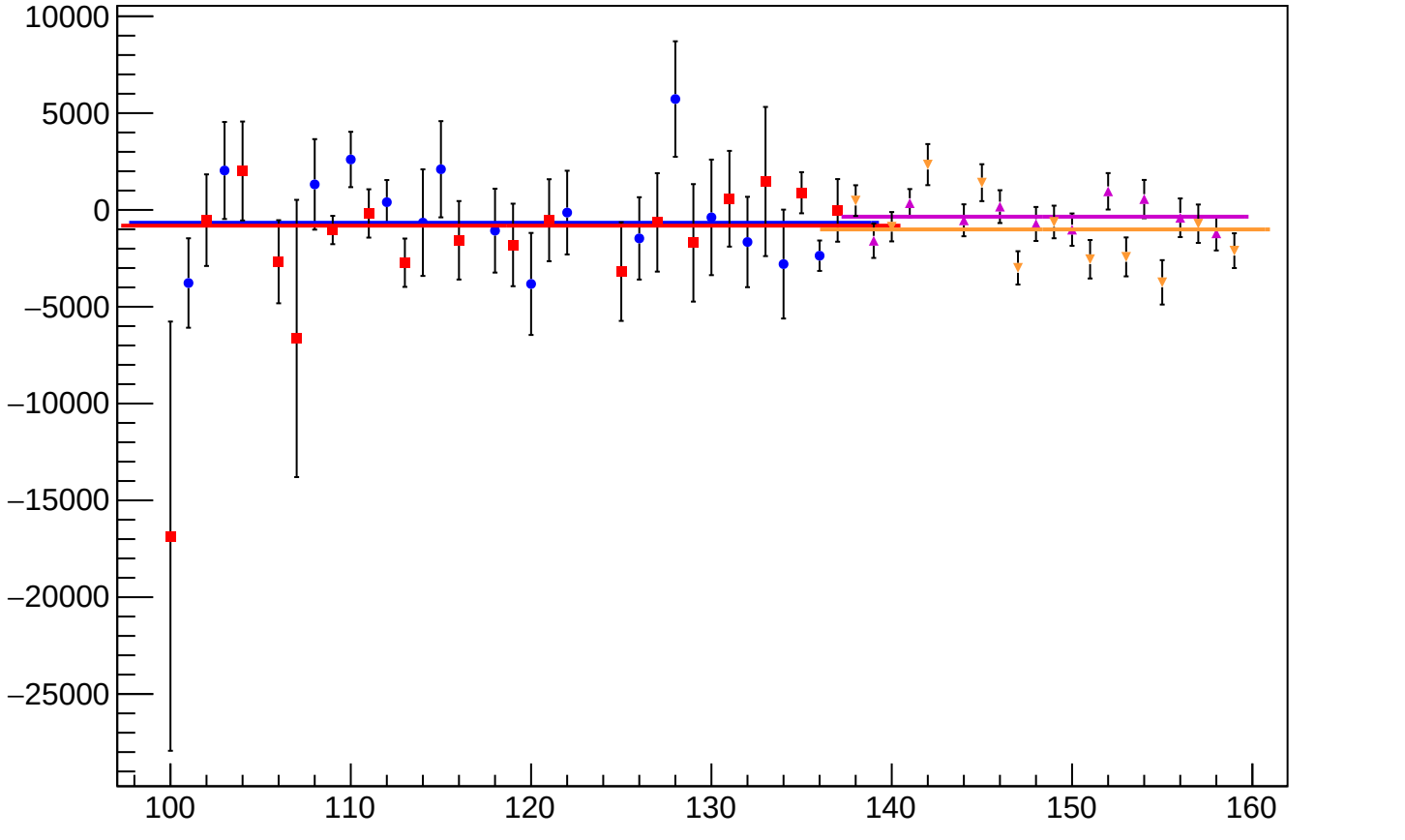
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1799.824+/-0.431 χ^2/NDF:5244.4/9

+ sign 1814.662+/-0.323 χ^2/NDF: 301306.5/26

All: 1815.925+/-0.228 χ^2/NDF: 438547.5/54

- sign 1817.191+/-0.323 χ^2/NDF: 137210.3/27



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -1006.916+/-276.302 χ^2/NDF:37.1/10

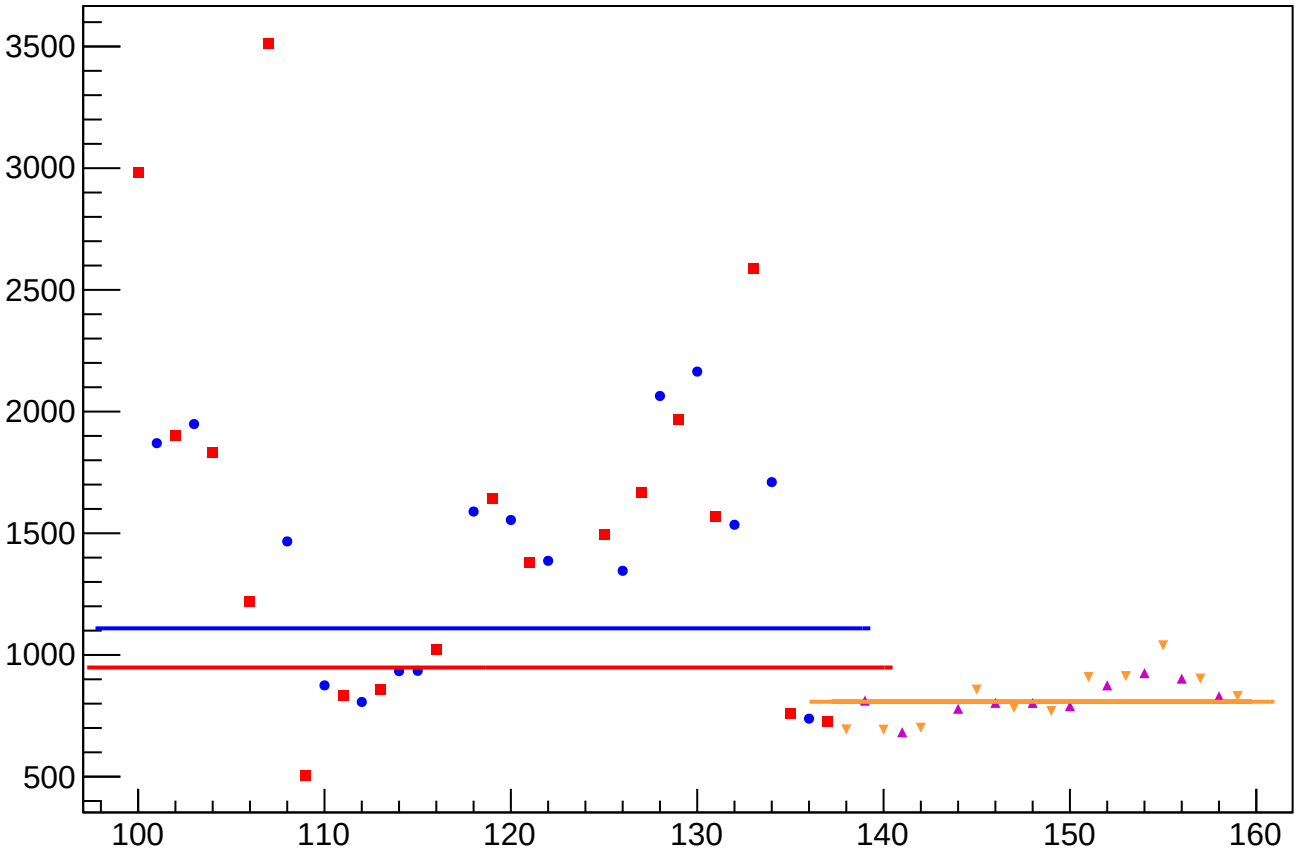
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -349.265+/-275.363 χ^2/NDF:7.9/9

+ sign -911.633+/-234.867 χ^2/NDF: 60.3/26

All: -697.931+/-162.962 χ^2/NDF: 82.9/54

- sign -499.539+/-226.298 χ^2/NDF: 21.0/27



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

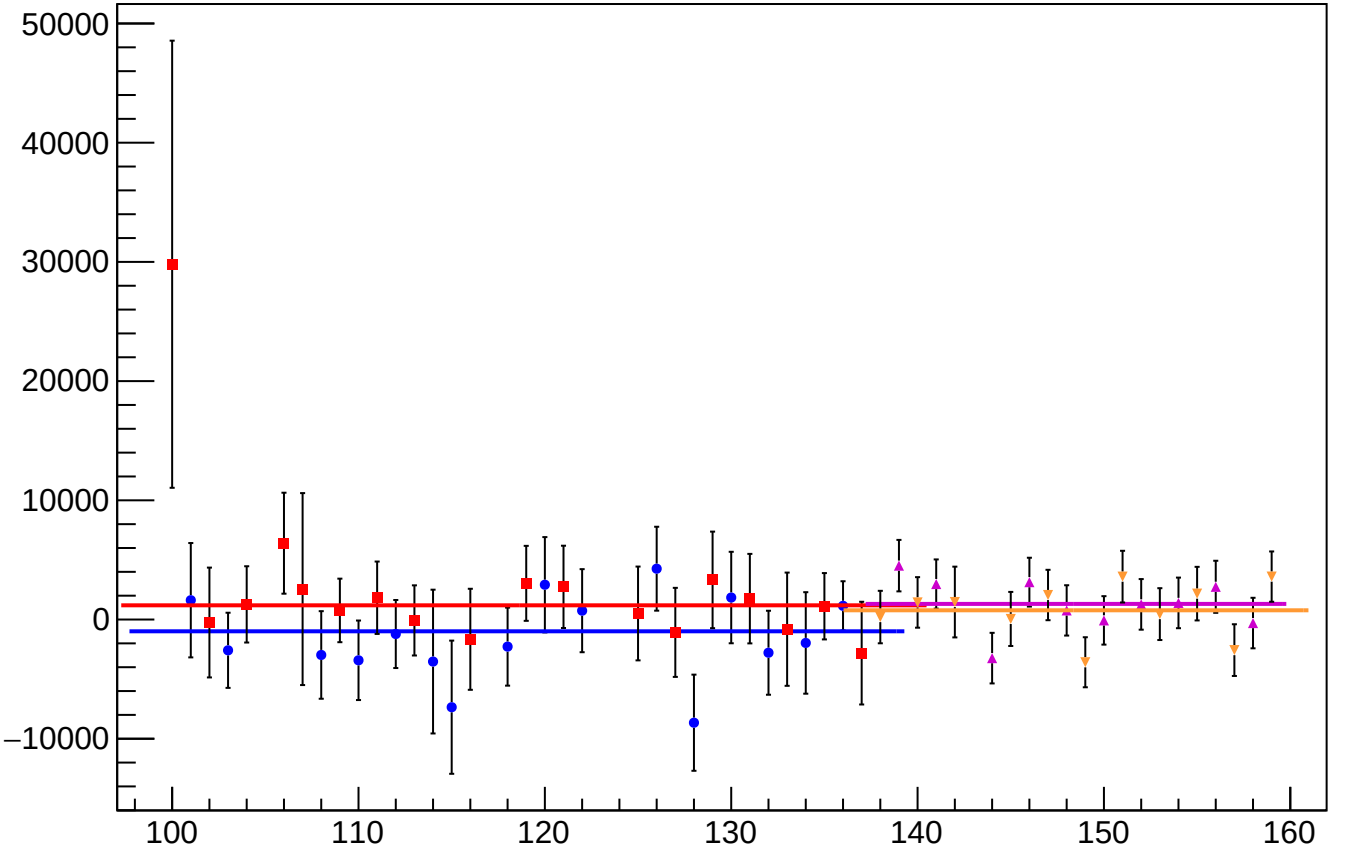
Left In: 808.563+/-0.195 χ^2/NDF:120698.0/9

+ sign 891.401+/-0.166 χ^2/NDF: 2897430.9/26

All: 871.990+/-0.115 χ^2/NDF: 6265644.1/54

- sign 853.969+/-0.160 χ^2/NDF: 3341870.3/27

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

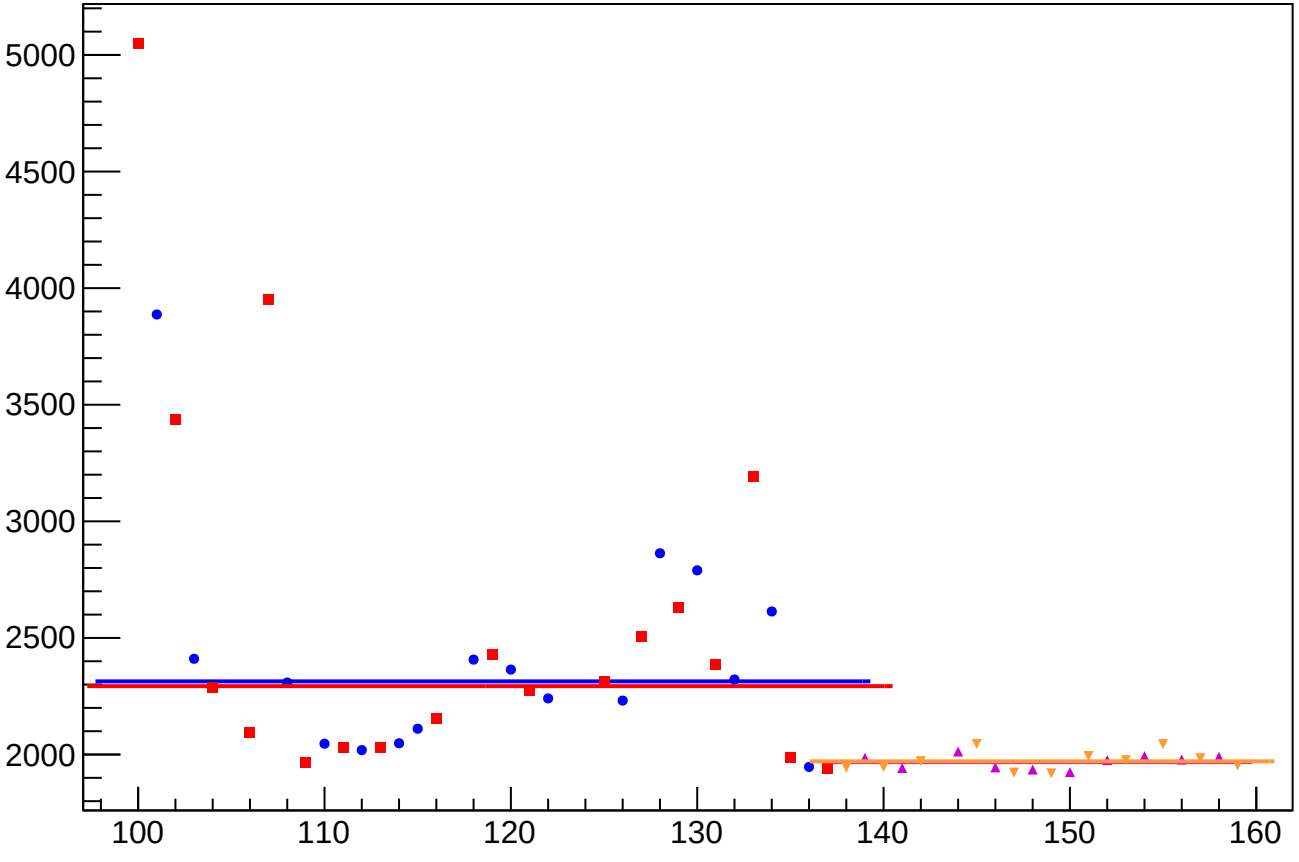
Left In: 1310.638+/-666.274 χ^2/NDF:9.8/9

+ sign 125.583+/-530.243 χ^2/NDF: 25.8/26

All: 697.492+/-374.523 χ^2/NDF: 44.9/54

- sign 1266.871+/-529.069 χ^2/NDF: 16.8/27

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

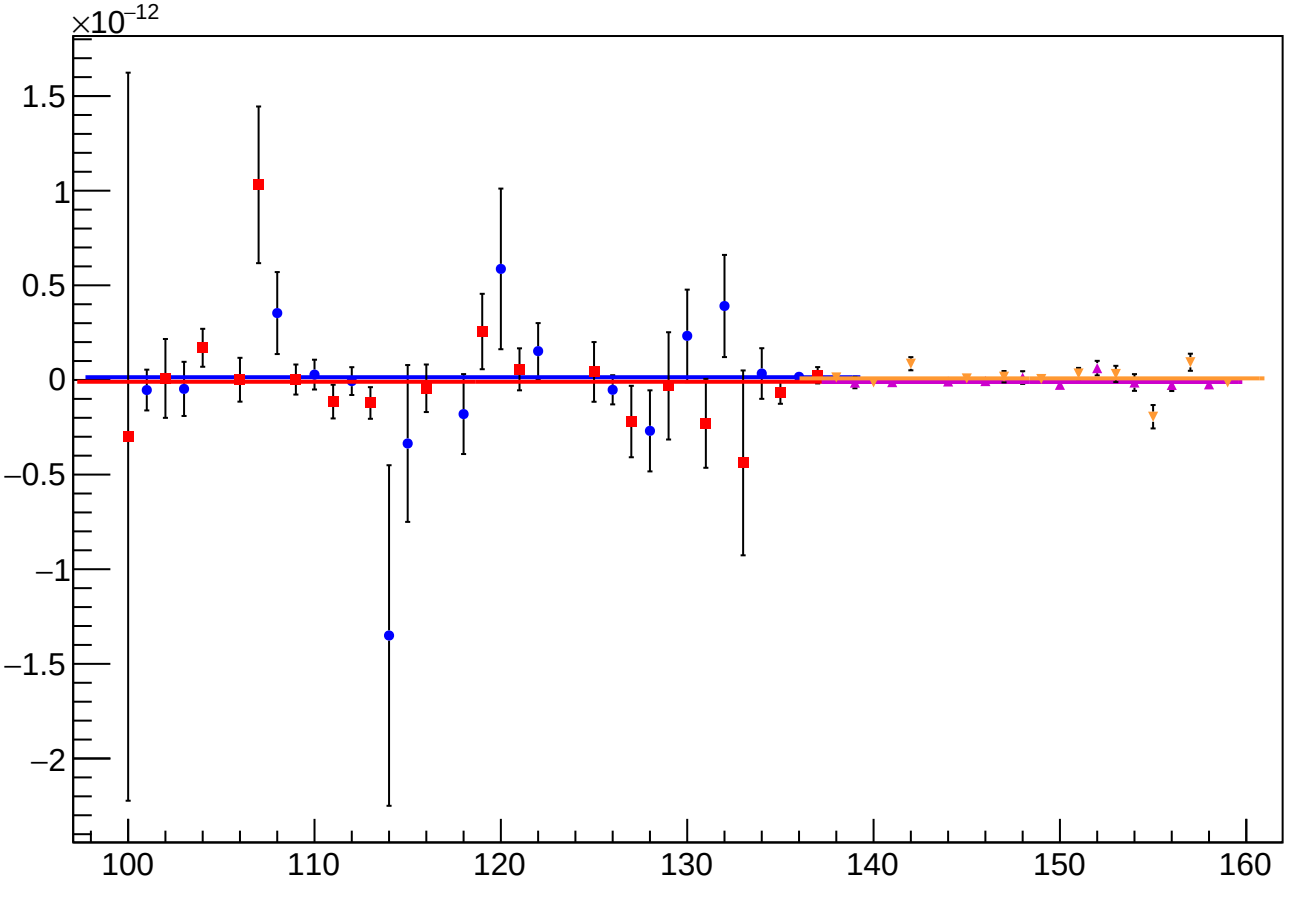
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1967.694+/-0.471 χ^2/NDF:3553.9/9

+ sign 2097.110+/-0.375 χ^2/NDF: 604840.4/26

All: 2092.535+/-0.265 χ^2/NDF: 1238334.2/54

- sign 2087.980+/-0.374 χ^2/NDF: 633196.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/10

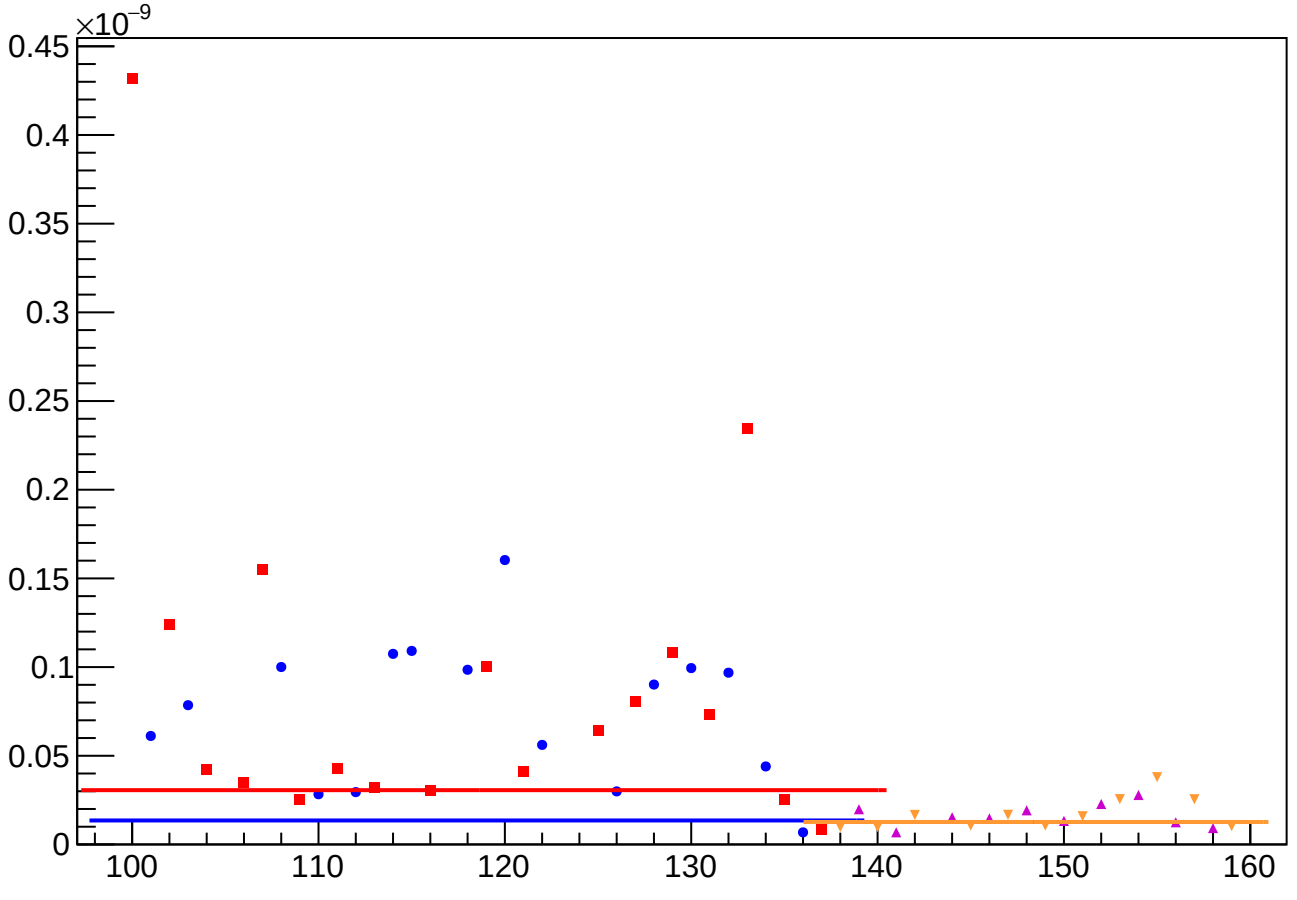
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/26

All: 0.000+/-0.000 χ^2/NDF: 66.9/54

- sign -0.000+/-0.000 χ^2/NDF: 24.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:920148.2/10

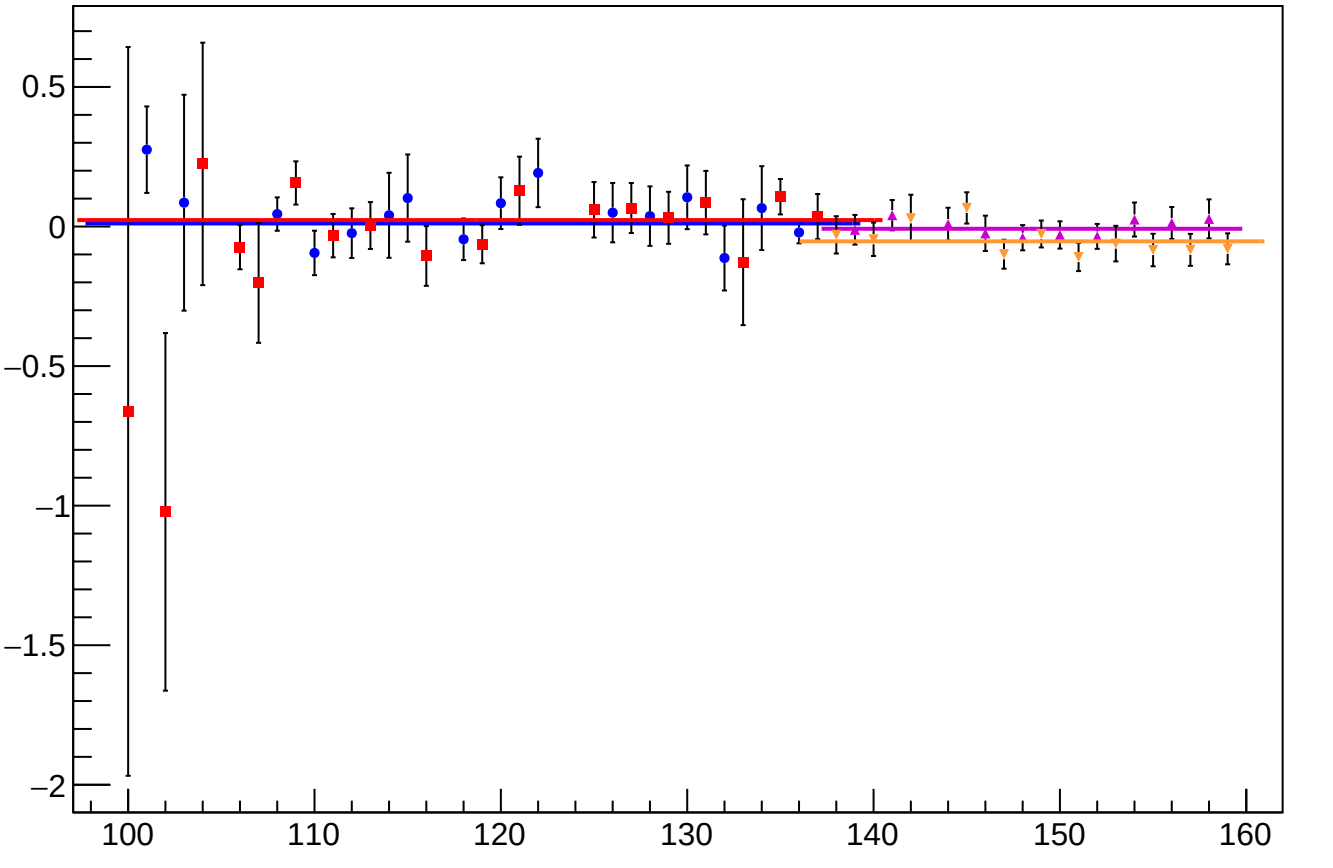
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:997794.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 4341957.9/26

All: 0.000+/-0.000 χ^2/NDF: 8737740.3/54

- sign 0.000+/-0.000 χ^2/NDF: 4352723.2/27



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.053+/-0.017 χ^2/NDF:8.8/10

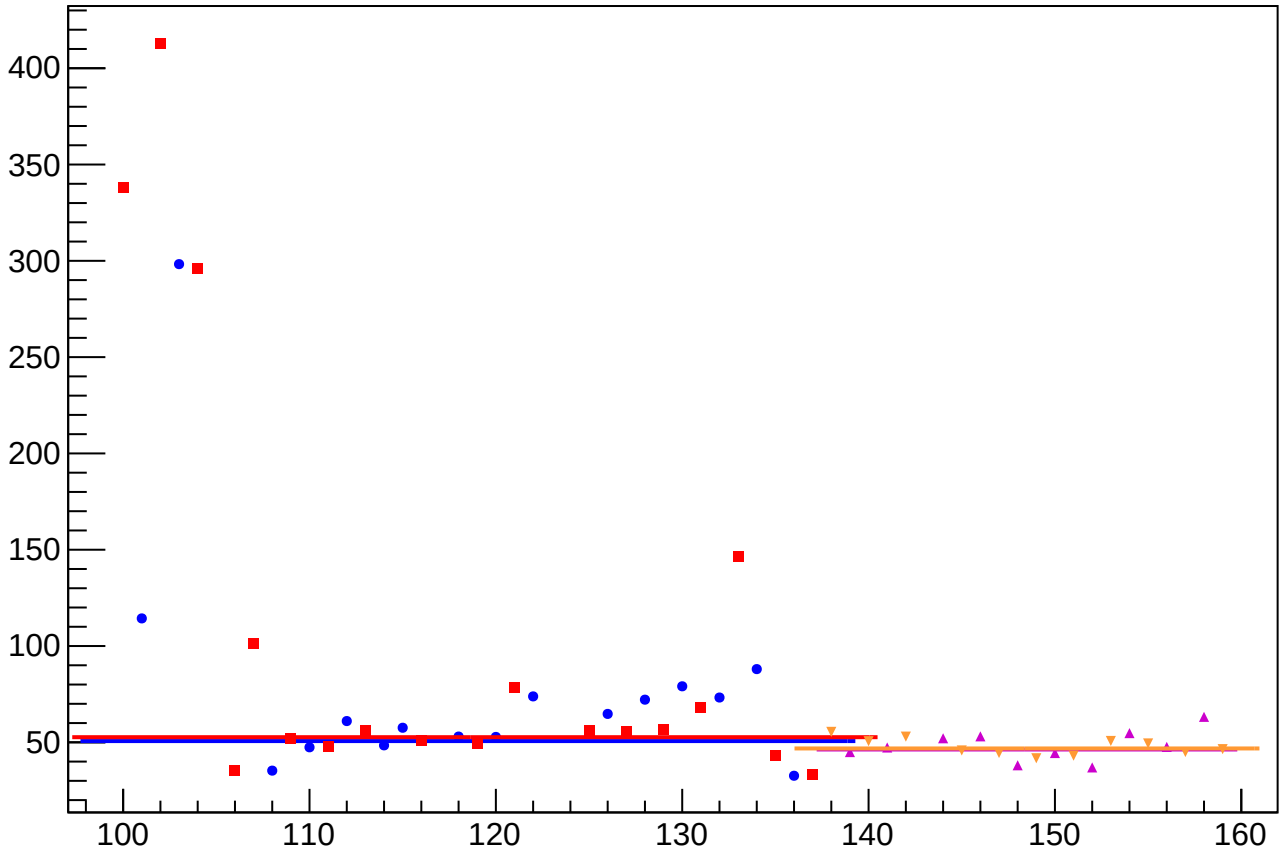
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.017 χ^2/NDF:2.7/9

+ sign -0.028+/-0.014 χ^2/NDF: 25.8/26

All: -0.013+/-0.010 χ^2/NDF: 48.3/54

- sign 0.003+/-0.014 χ^2/NDF: 19.8/27



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.816+/-0.012 χ^2/NDF:103613.7/10

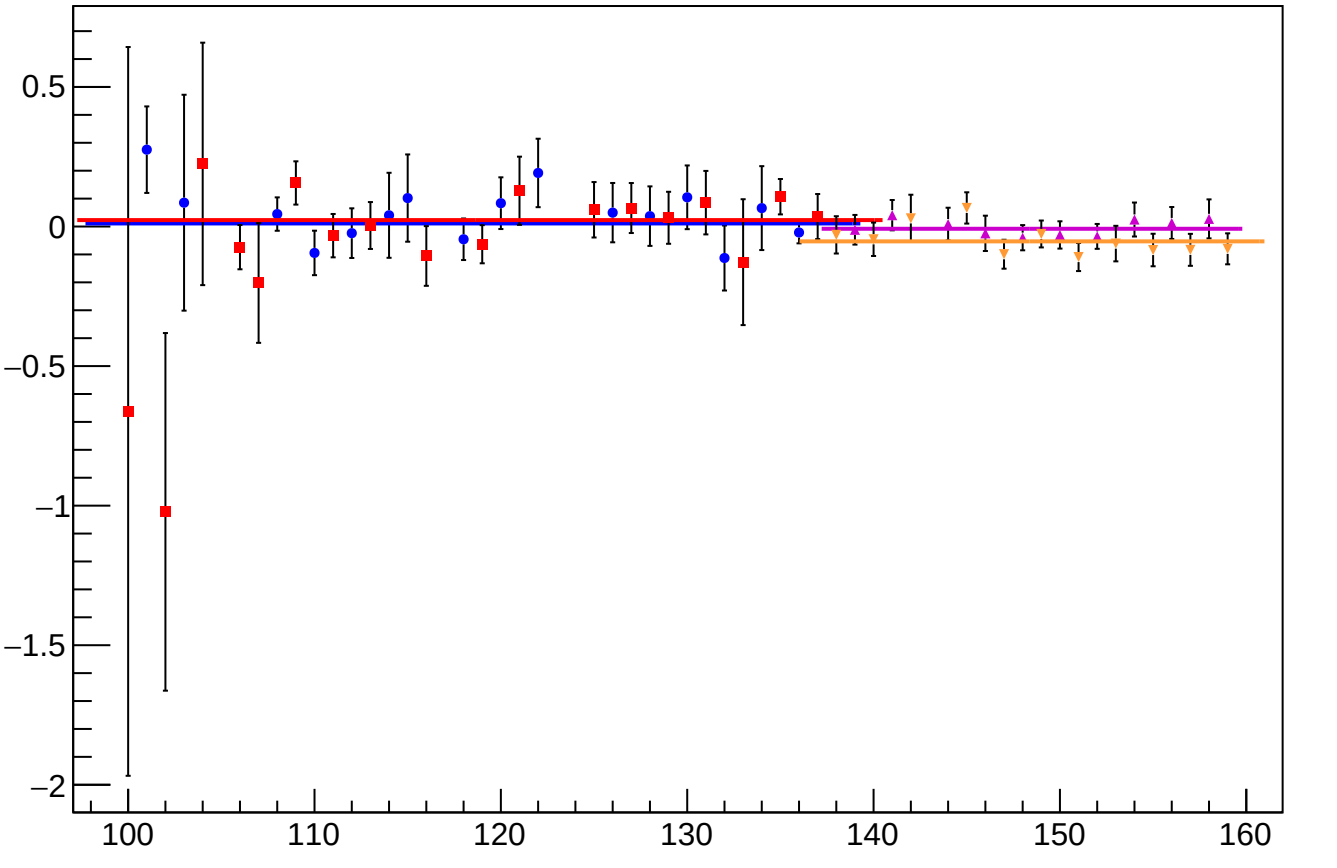
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.276+/-0.012 χ^2/NDF:359039.5/9

+ sign 48.292+/-0.010 χ^2/NDF: 2407728.6/26

All: 48.412+/-0.007 χ^2/NDF: 5077884.0/54

- sign 48.534+/-0.010 χ^2/NDF: 2669842.5/27



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.053+/-0.017 χ^2/NDF:8.8/10

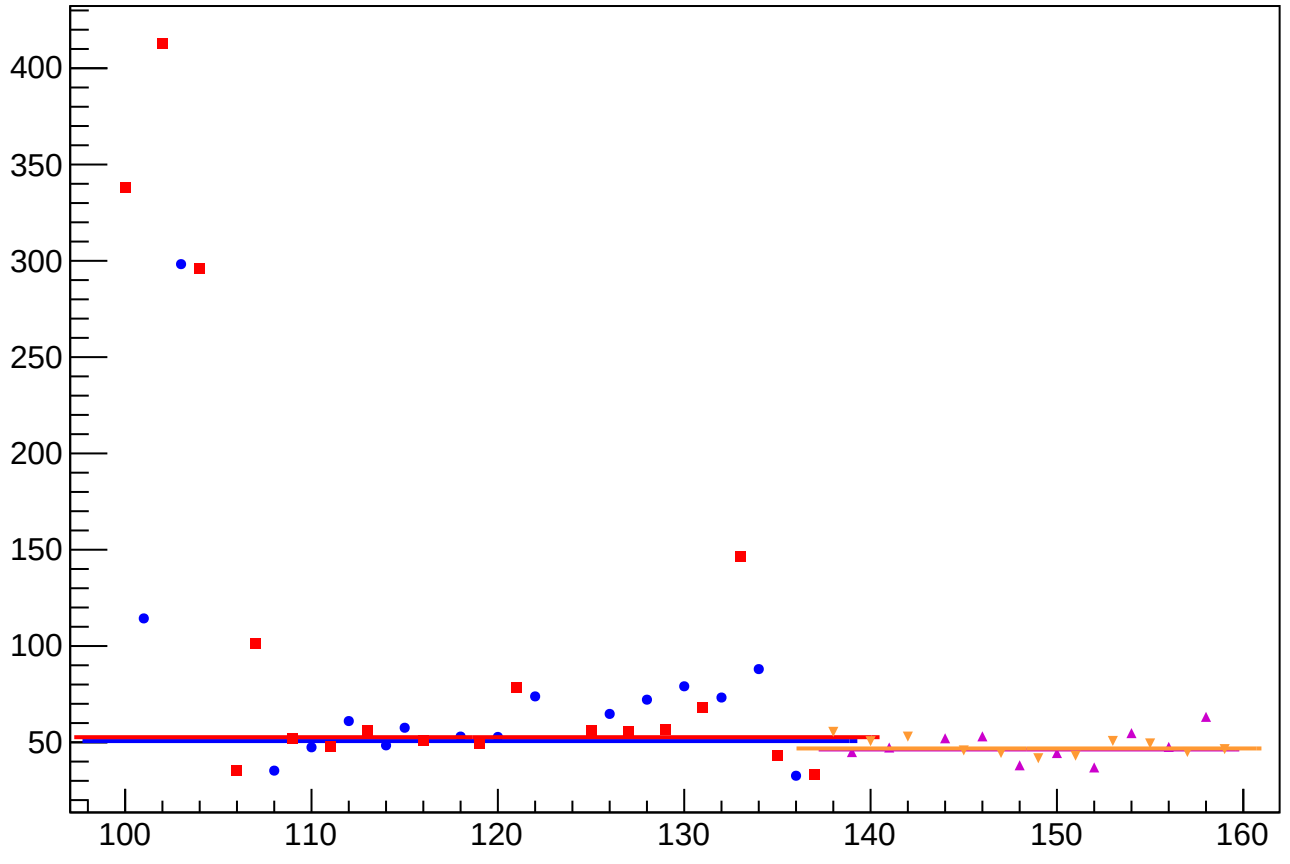
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.008+/-0.017 χ^2/NDF:2.7/9

+ sign -0.028+/-0.014 χ^2/NDF: 25.8/26

All: -0.013+/-0.010 χ^2/NDF: 48.3/54

- sign 0.003+/-0.014 χ^2/NDF: 19.8/27



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.816+/-0.012 χ^2/NDF:103613.7/10

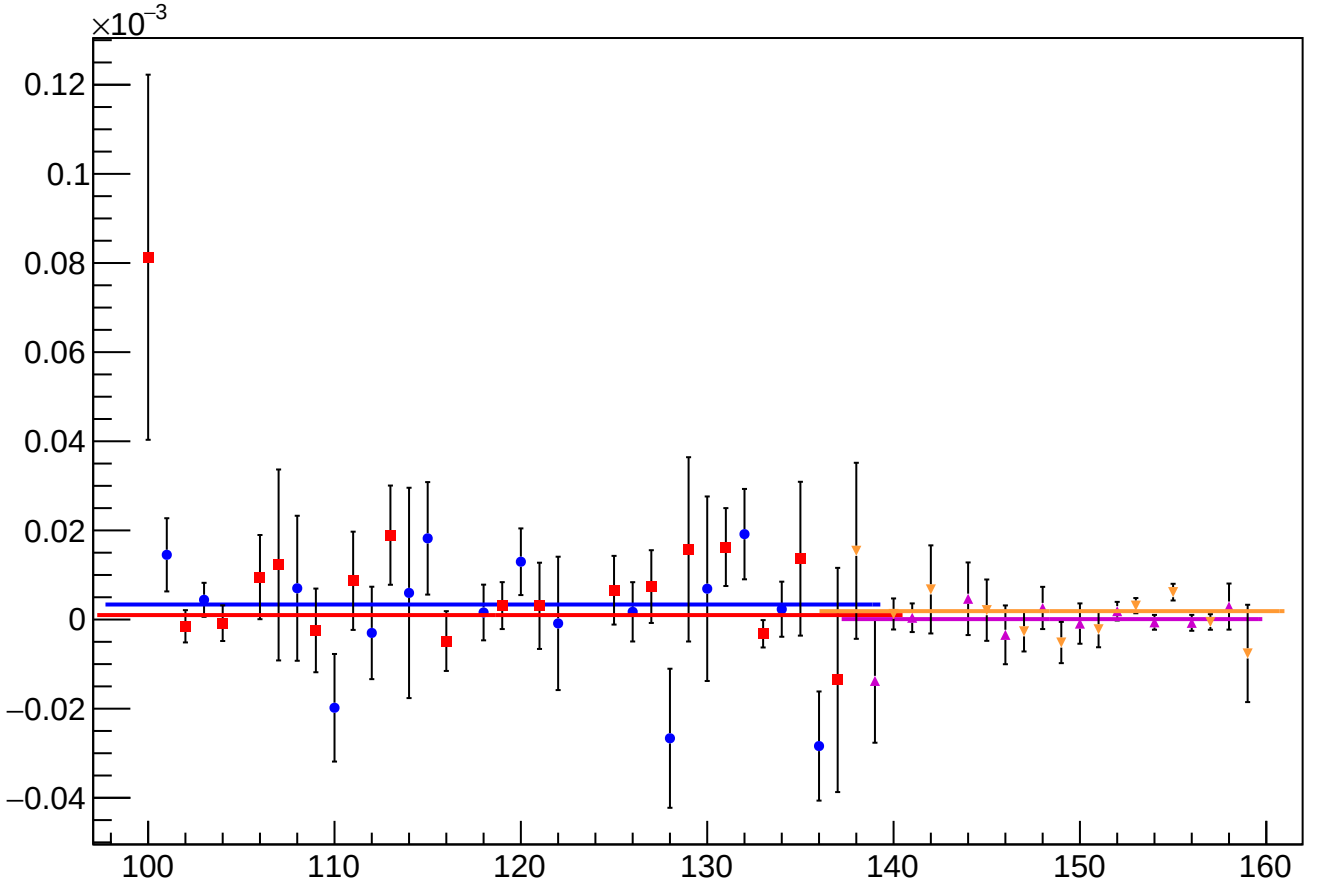
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.276+/-0.012 χ^2/NDF:359039.5/9

+ sign 48.292+/-0.010 χ^2/NDF: 2407728.6/26

All: 48.412+/-0.007 χ^2/NDF: 5077884.0/54

- sign 48.534+/-0.010 χ^2/NDF: 2669842.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/10

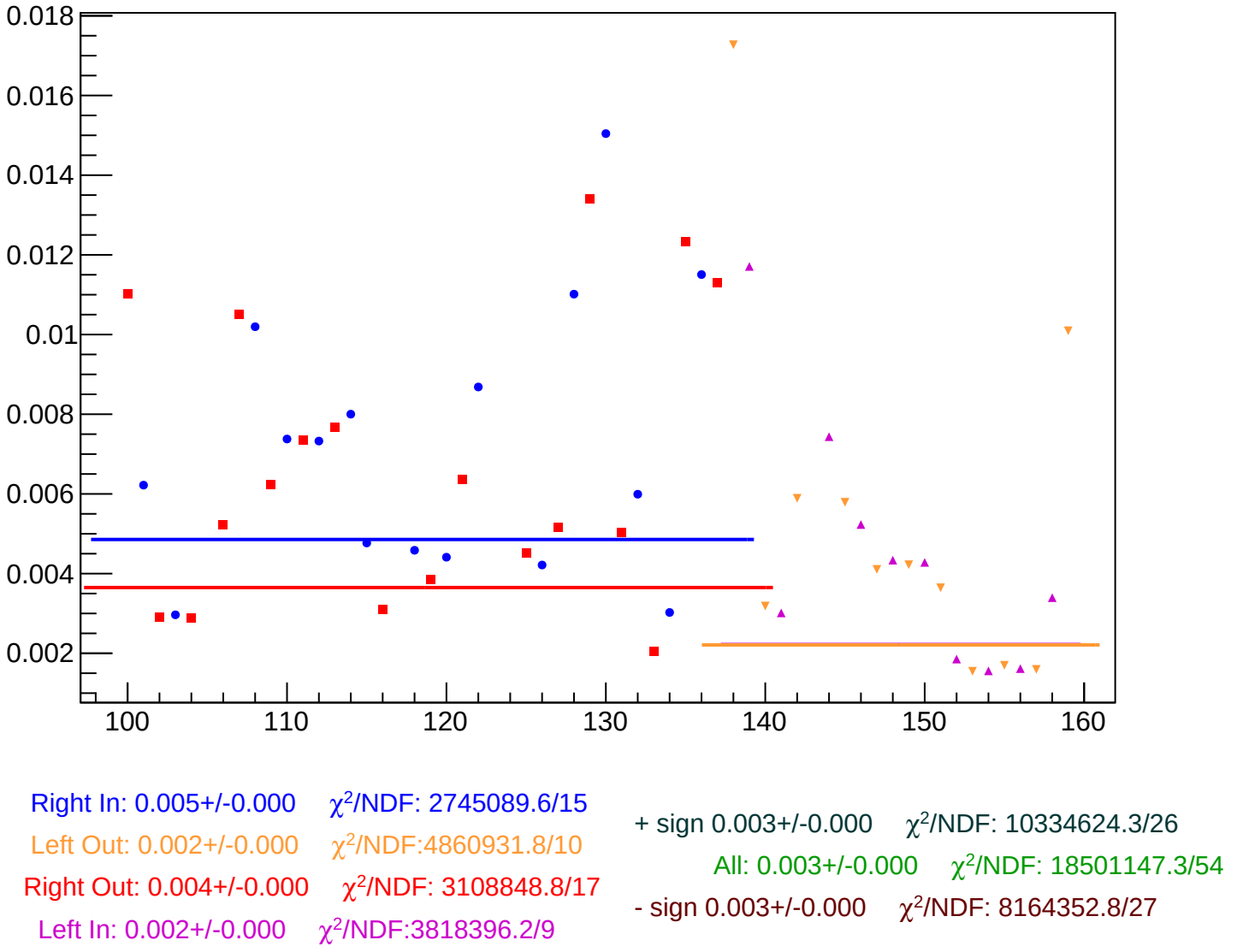
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

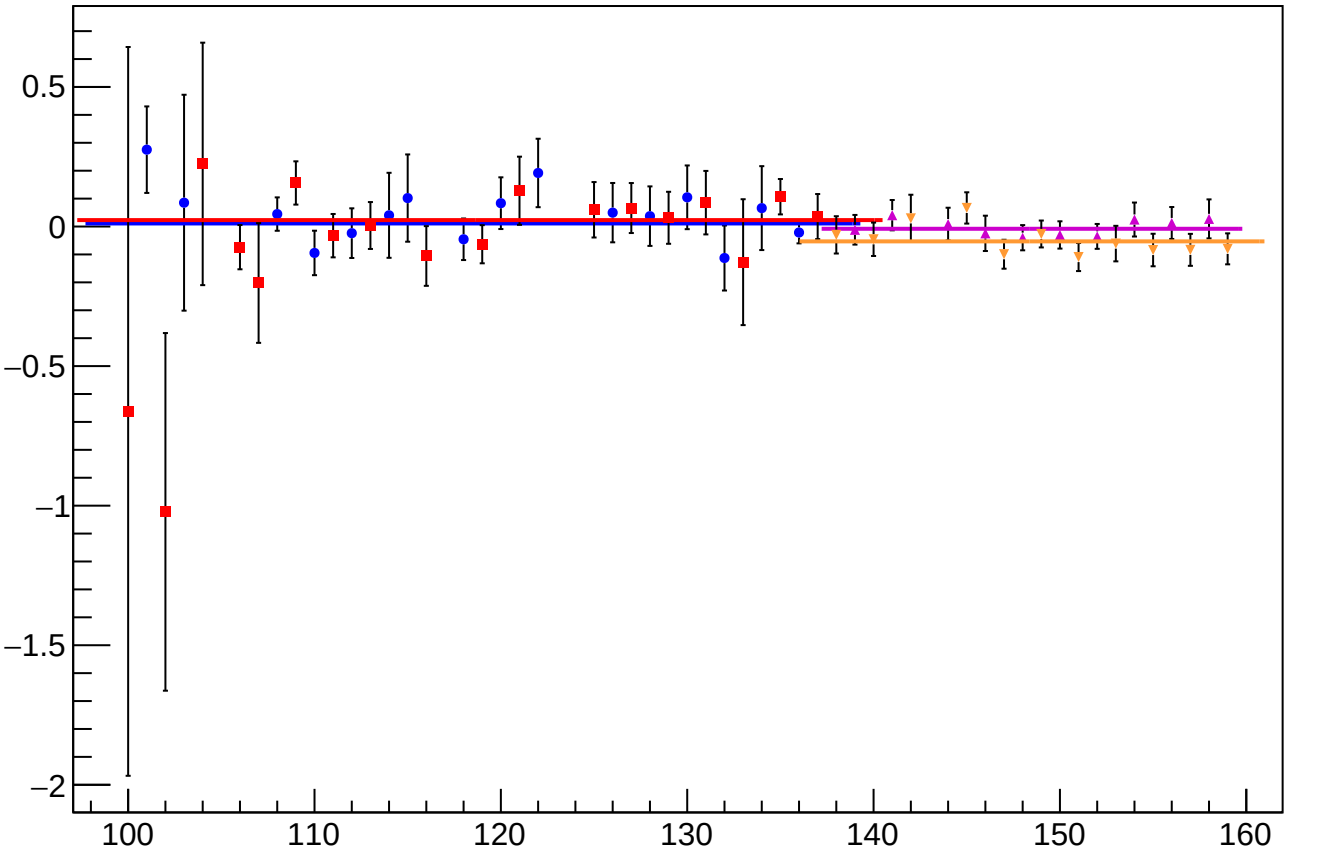
Left In: 0.000+/-0.000 χ^2/NDF:3.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/26

All: 0.000+/-0.000 χ^2/NDF: 59.4/54

- sign 0.000+/-0.000 χ^2/NDF: 20.8/27


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:4860931.8/10
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:3818396.2/9
+ sign 0.003+/-0.000 χ²/NDF: 10334624.3/26
All: 0.003+/-0.000 χ²/NDF: 18501147.3/54
- sign 0.003+/-0.000 χ²/NDF: 8164352.8/27



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.053+/-0.017 χ^2/NDF:8.8/10

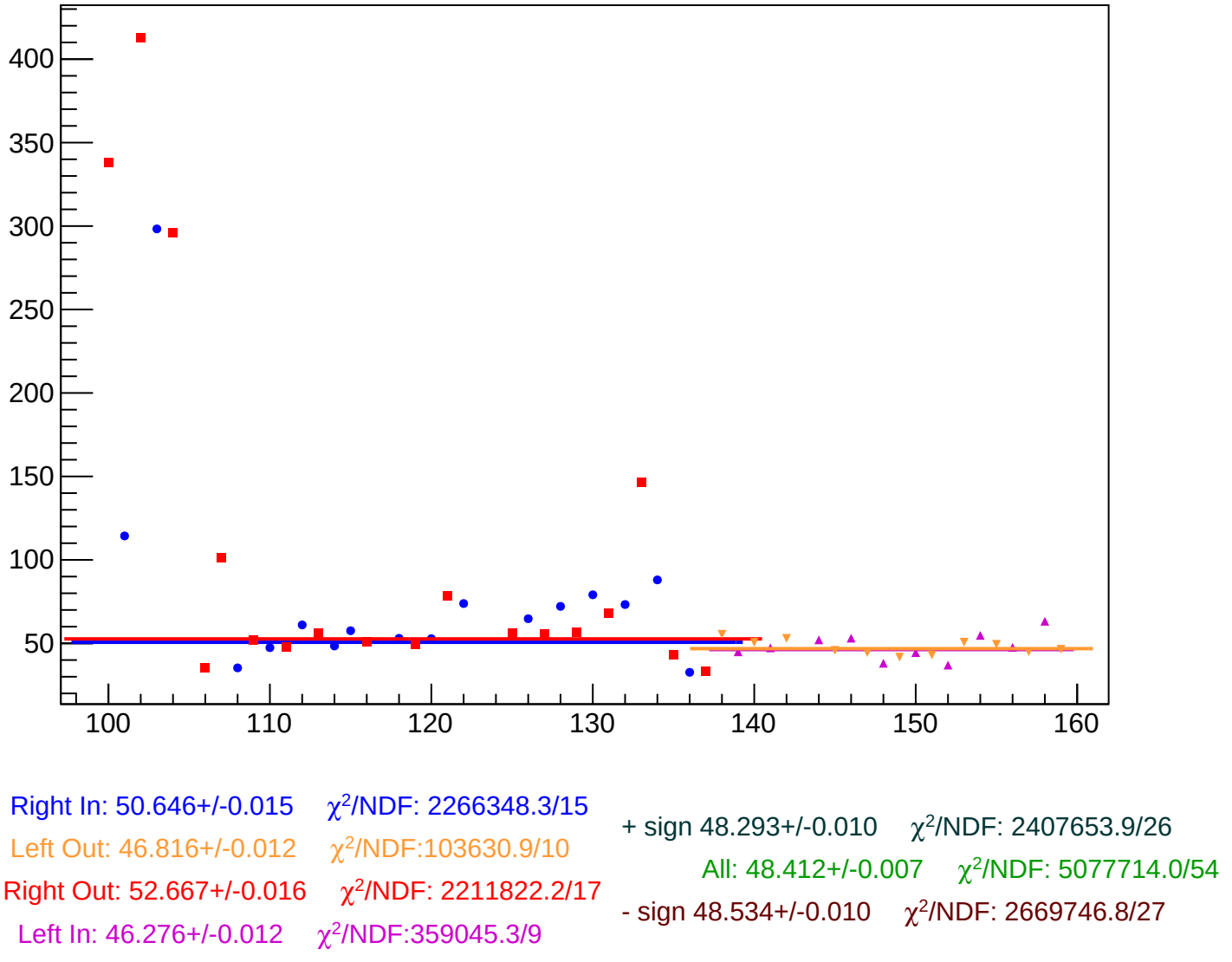
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

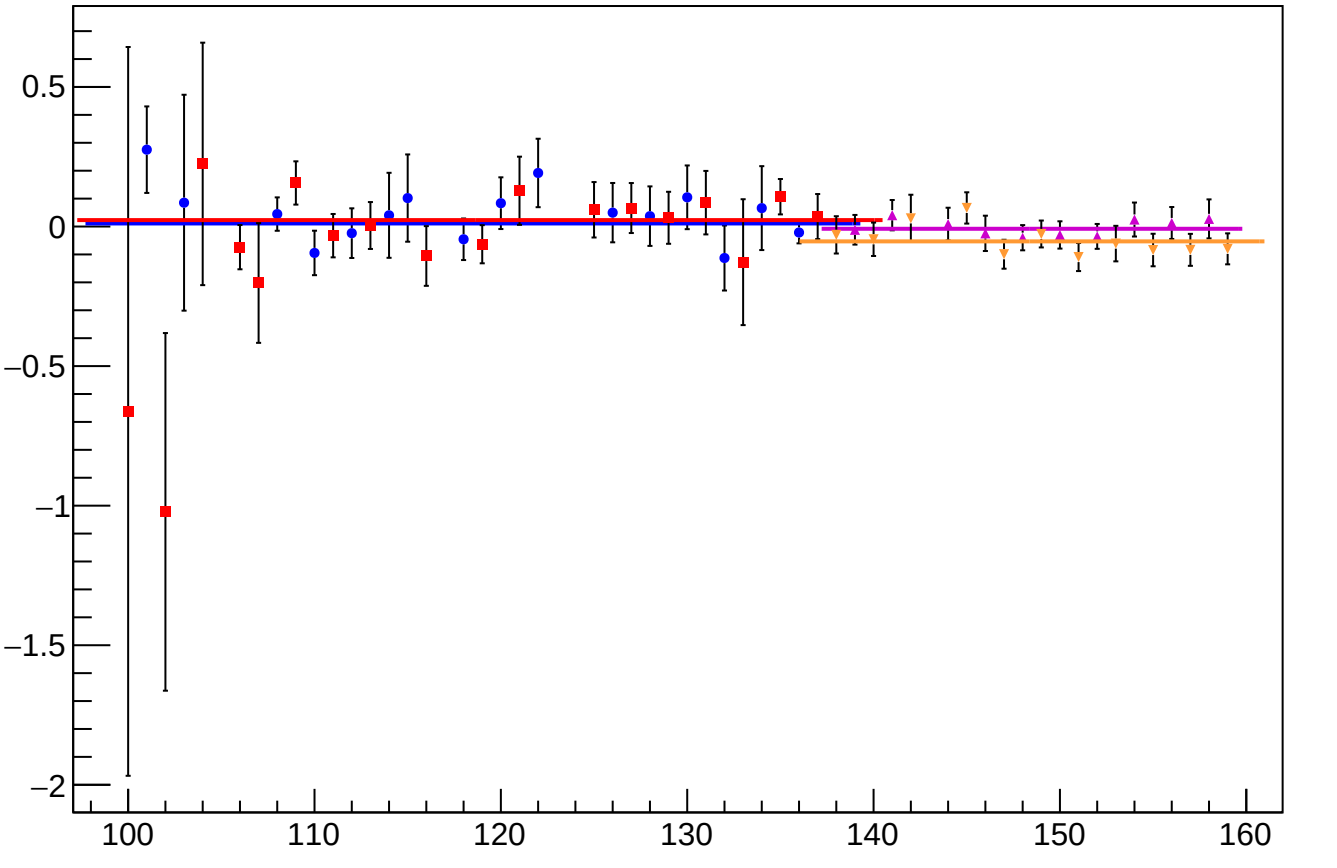
Left In: -0.008+/-0.017 χ^2/NDF:2.7/9

+ sign -0.028+/-0.014 χ^2/NDF: 25.8/26

All: -0.013+/-0.010 χ^2/NDF: 48.3/54

- sign 0.003+/-0.014 χ^2/NDF: 19.8/27


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
400
350
300
250
200
150
100
50
100
110
120
130
140
150
160
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.816+/-0.012 χ²/NDF:103630.9/10
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 46.276+/-0.012 χ²/NDF:359045.3/9
+ sign 48.293+/-0.010 χ²/NDF: 2407653.9/26
All: 48.412+/-0.007 χ²/NDF: 5077714.0/54
- sign 48.534+/-0.010 χ²/NDF: 2669746.8/27



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.053+/-0.017 χ^2/NDF:8.8/10

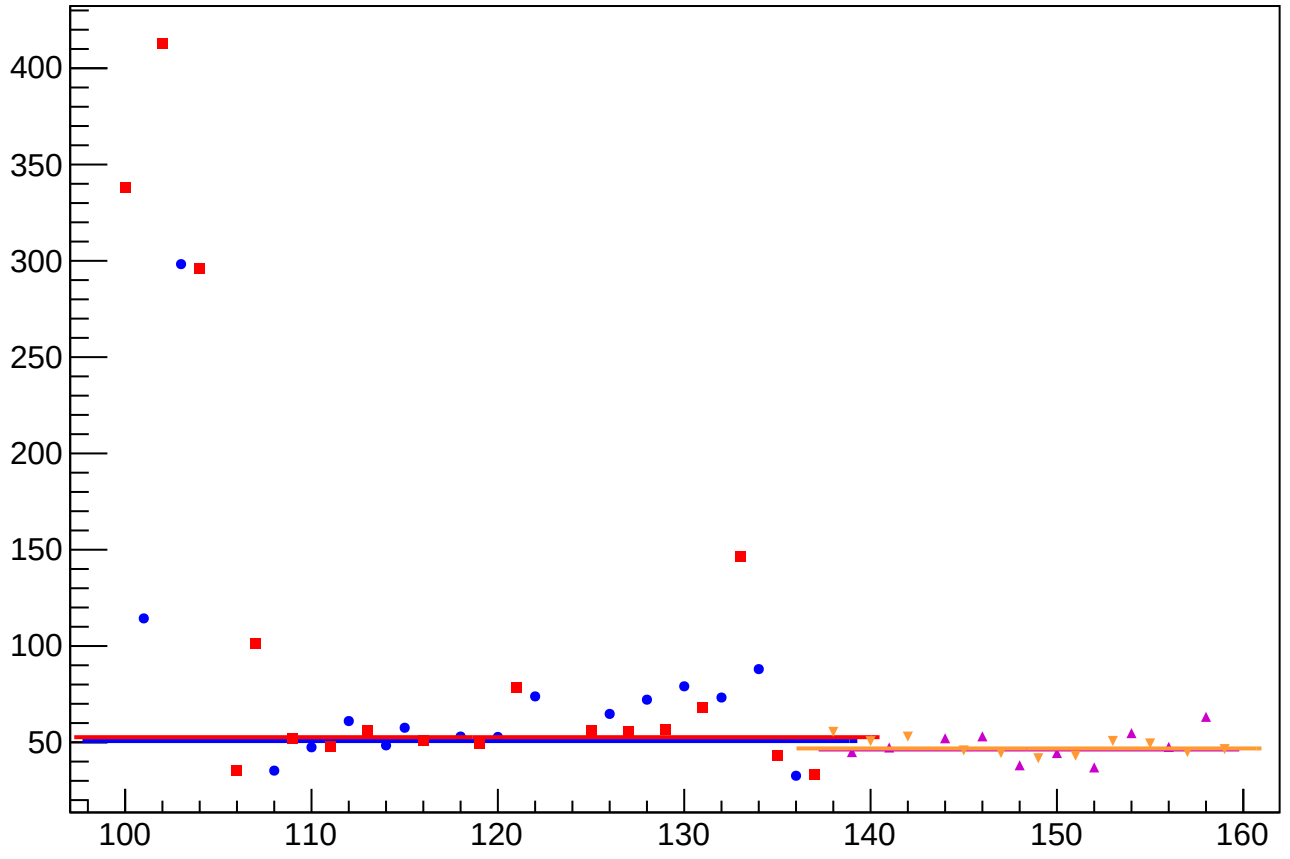
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.008+/-0.017 χ^2/NDF:2.7/9

+ sign -0.028+/-0.014 χ^2/NDF: 25.8/26

All: -0.013+/-0.010 χ^2/NDF: 48.3/54

- sign 0.003+/-0.014 χ^2/NDF: 19.8/27



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.816+/-0.012 χ^2/NDF:103630.9/10

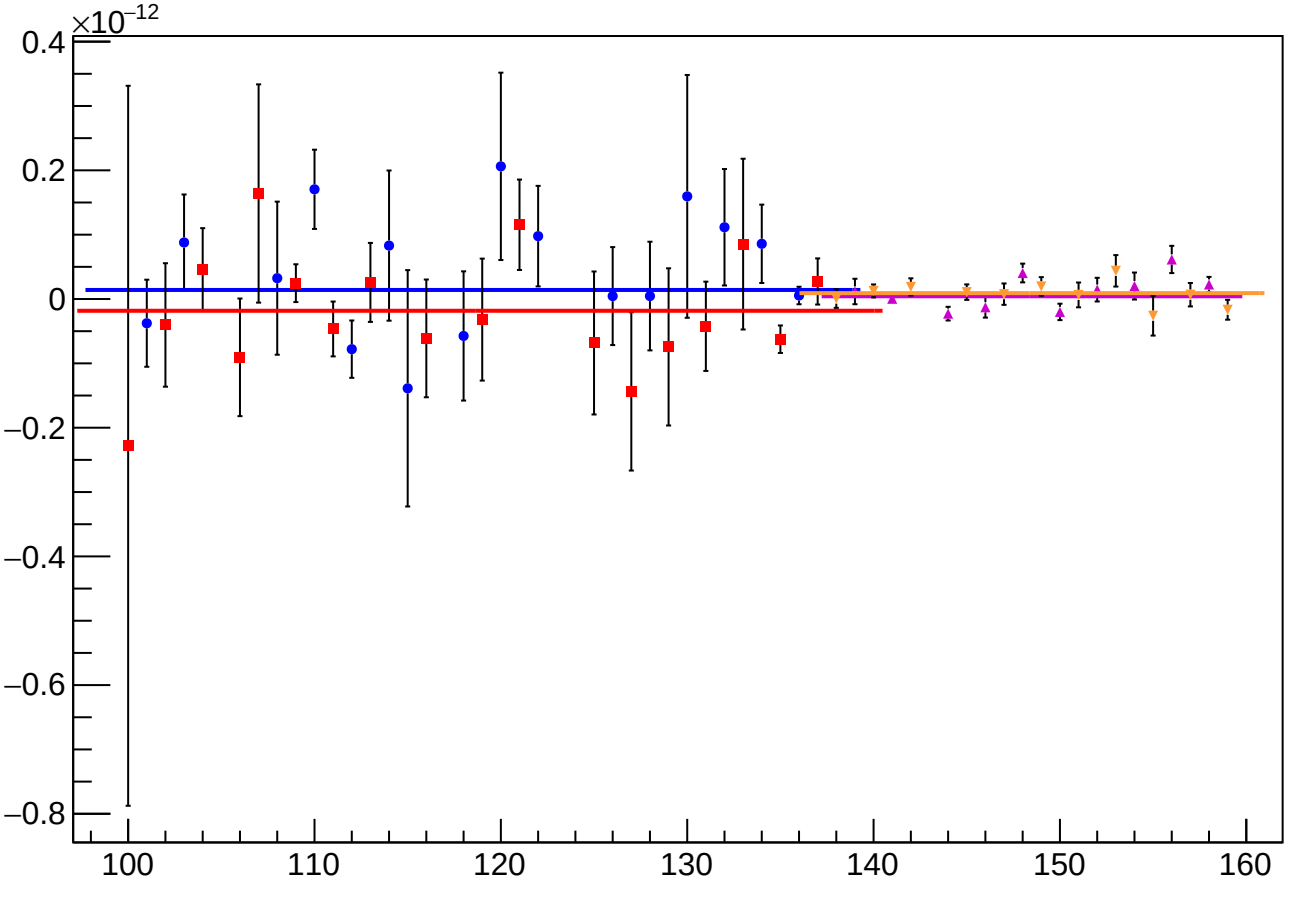
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.276+/-0.012 χ^2/NDF:359045.3/9

+ sign 48.293+/-0.010 χ^2/NDF: 2407653.9/26

All: 48.412+/-0.007 χ^2/NDF: 5077714.0/54

- sign 48.534+/-0.010 χ^2/NDF: 2669746.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/10

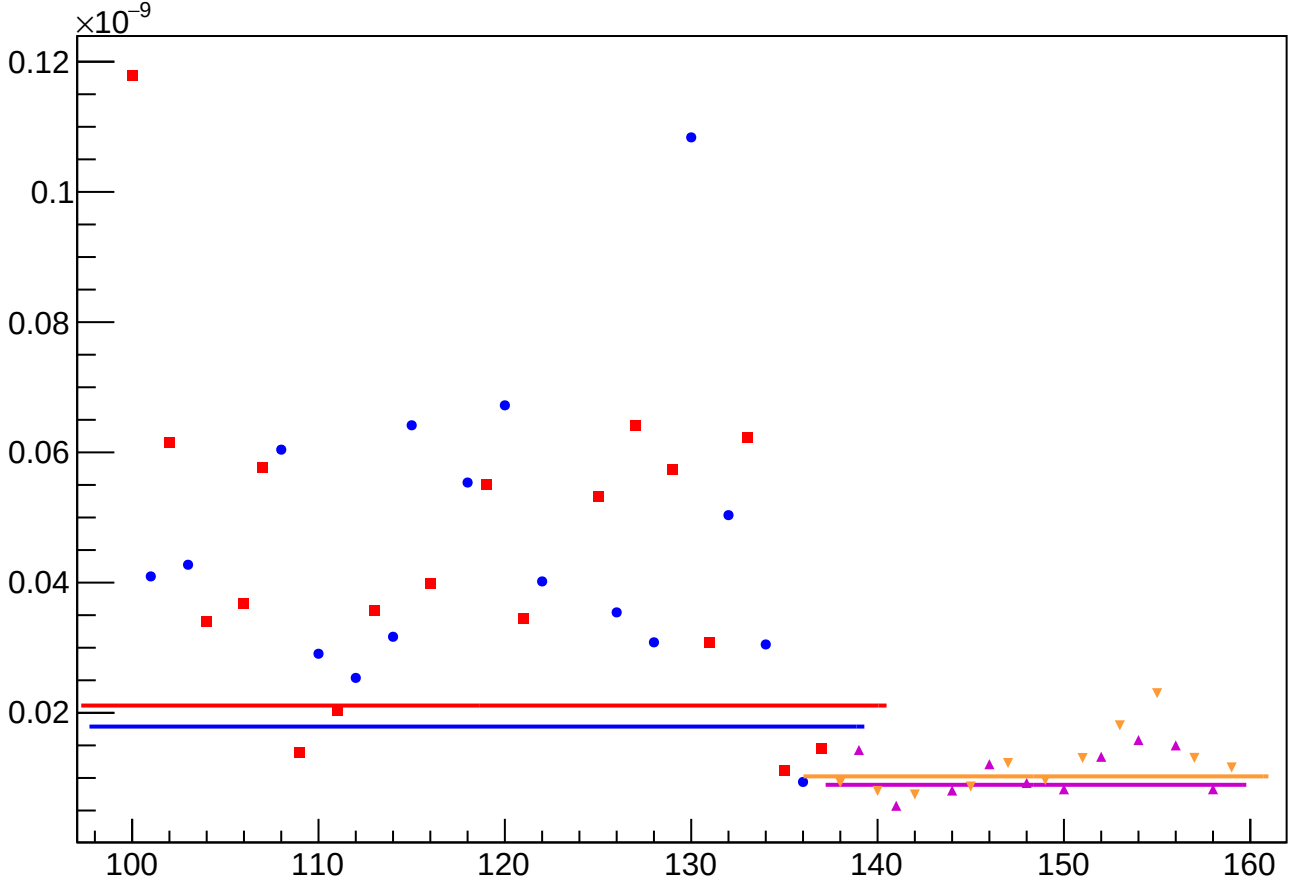
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:28.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/26

All: 0.000+/-0.000 χ^2/NDF: 79.3/54

- sign 0.000+/-0.000 χ^2/NDF: 49.3/27



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

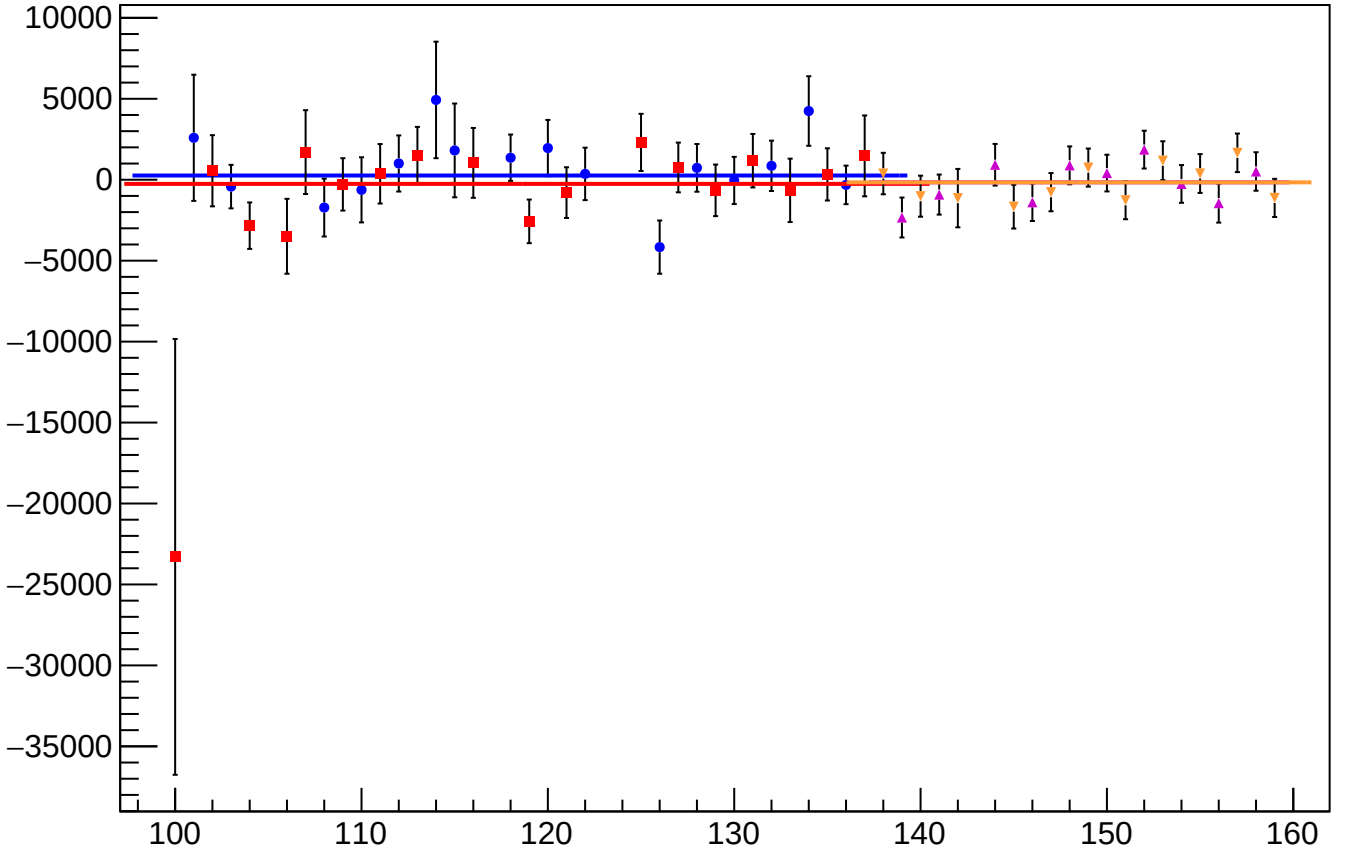
Left In: 0.000+/-0.000 χ^2/NDF:1076655.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 5100036.1/26

All: 0.000+/-0.000 χ^2/NDF: 10572658.6/54

- sign 0.000+/-0.000 χ^2/NDF: 5395331.5/27

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

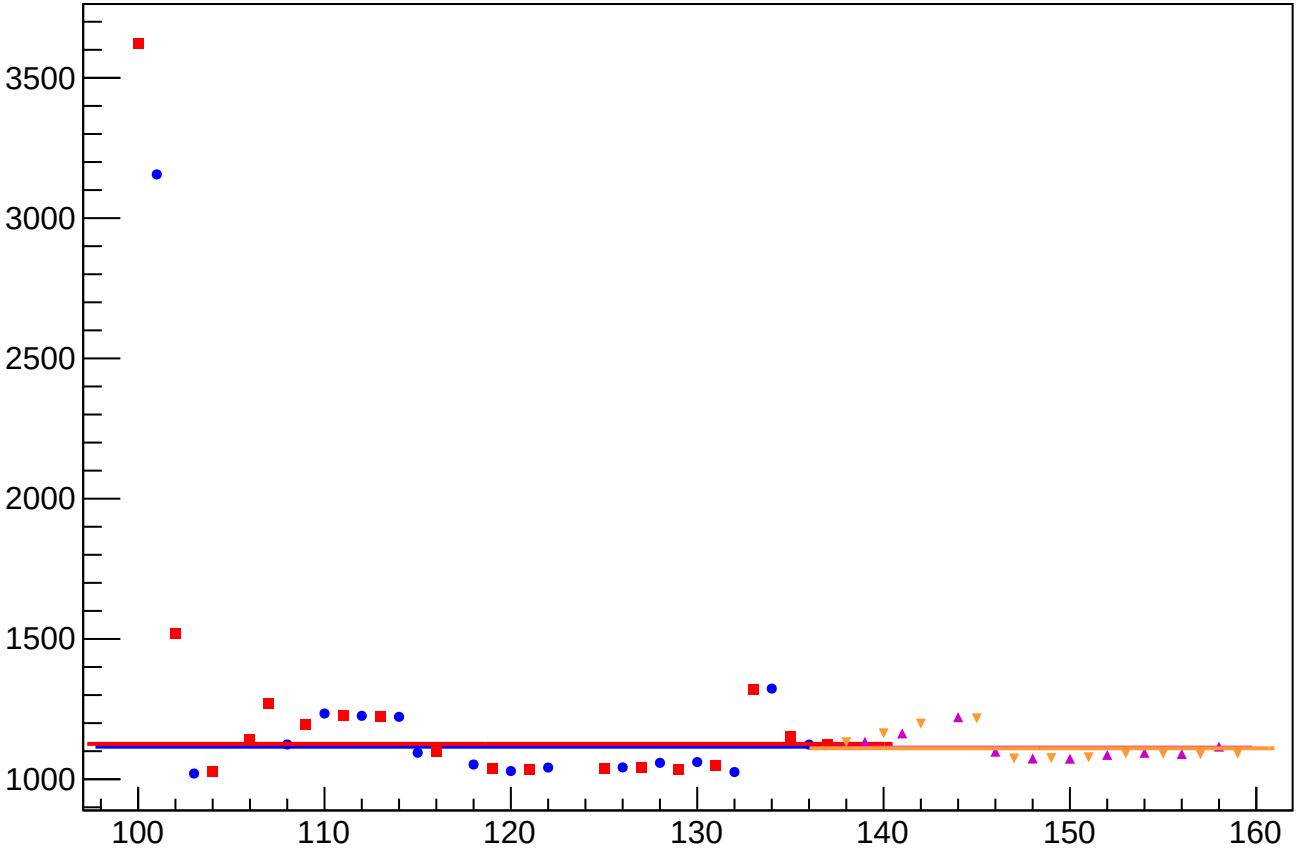
Left In: -158.326+/-376.890 χ^2/NDF:10.8/9

+ sign 23.815+/-281.541 χ^2/NDF: 25.9/26

All: -88.428+/-199.316 χ^2/NDF: 54.4/54

- sign -201.206+/-282.212 χ^2/NDF: 28.2/27

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

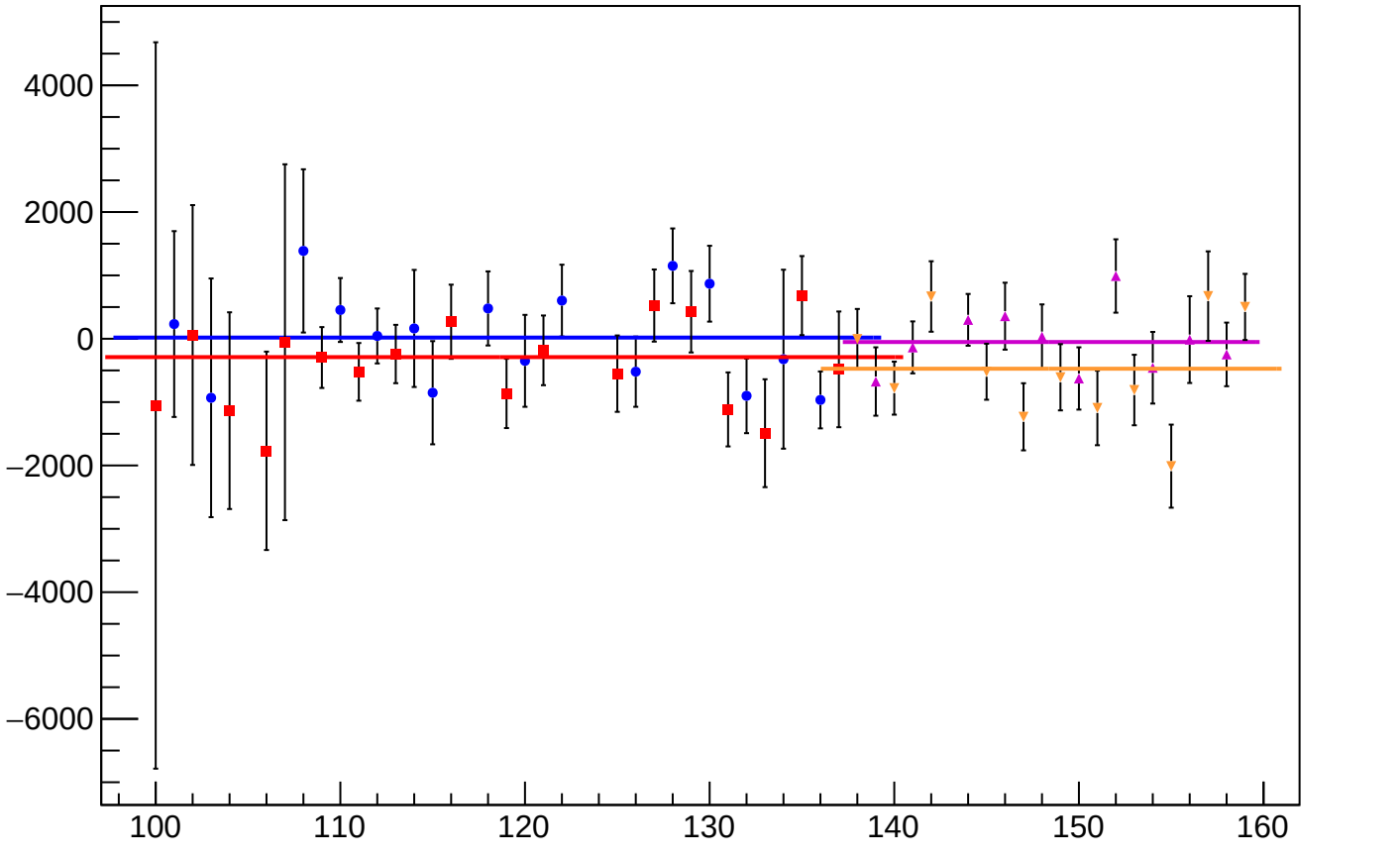
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

+ sign 1112.895+/-0.199 χ^2/NDF: 652255.7/26

All: 1115.627+/-0.141 χ^2/NDF: 901179.9/54

- sign 1118.372+/-0.200 χ^2/NDF: 248546.6/27



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

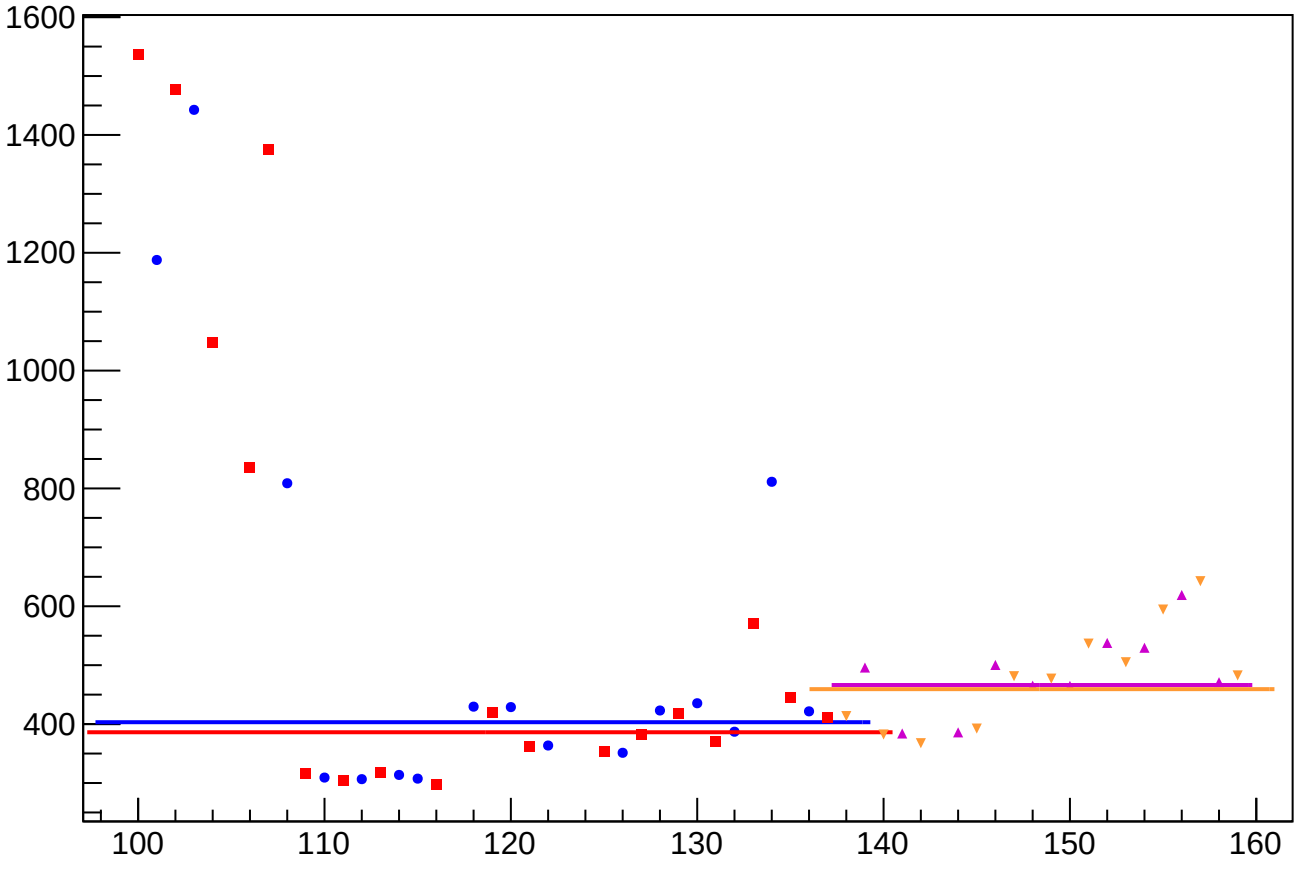
Left In: -51.590+/-159.803 χ^2/NDF:8.0/9

\+ sign -231.676+/-113.005 χ^2/NDF: 44.9/26

All: -202.247+/-79.440 χ^2/NDF: 67.6/54

\- sign -173.493+/-111.698 χ^2/NDF: 22.6/27

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



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

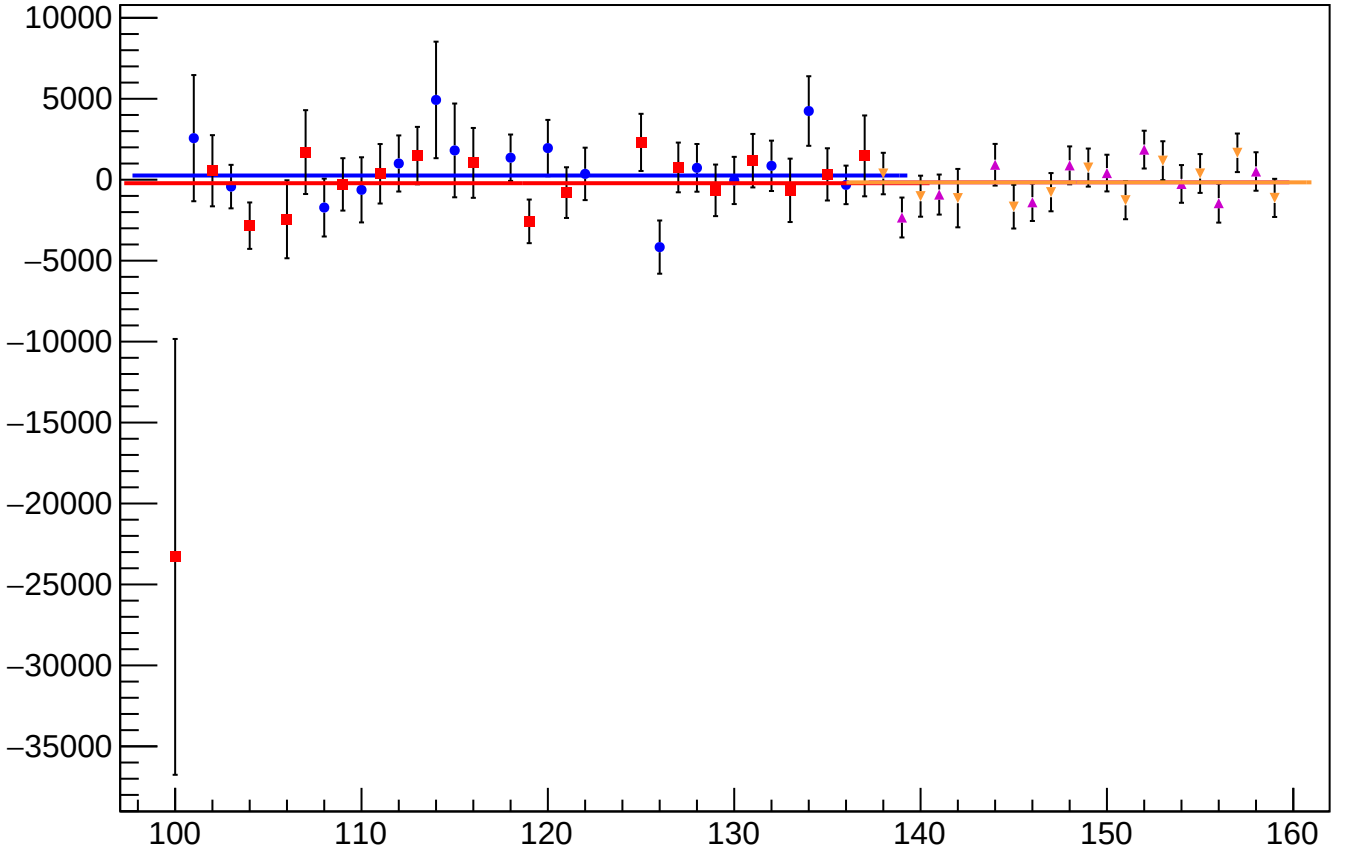
Left In: 466.332+/-0.113 χ^2/NDF:327389.7/9

+ sign 431.747+/-0.080 χ^2/NDF: 2395574.1/26

All: 428.497+/-0.056 χ^2/NDF: 4742887.8/54

- sign 425.322+/-0.079 χ^2/NDF: 2344043.9/27

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

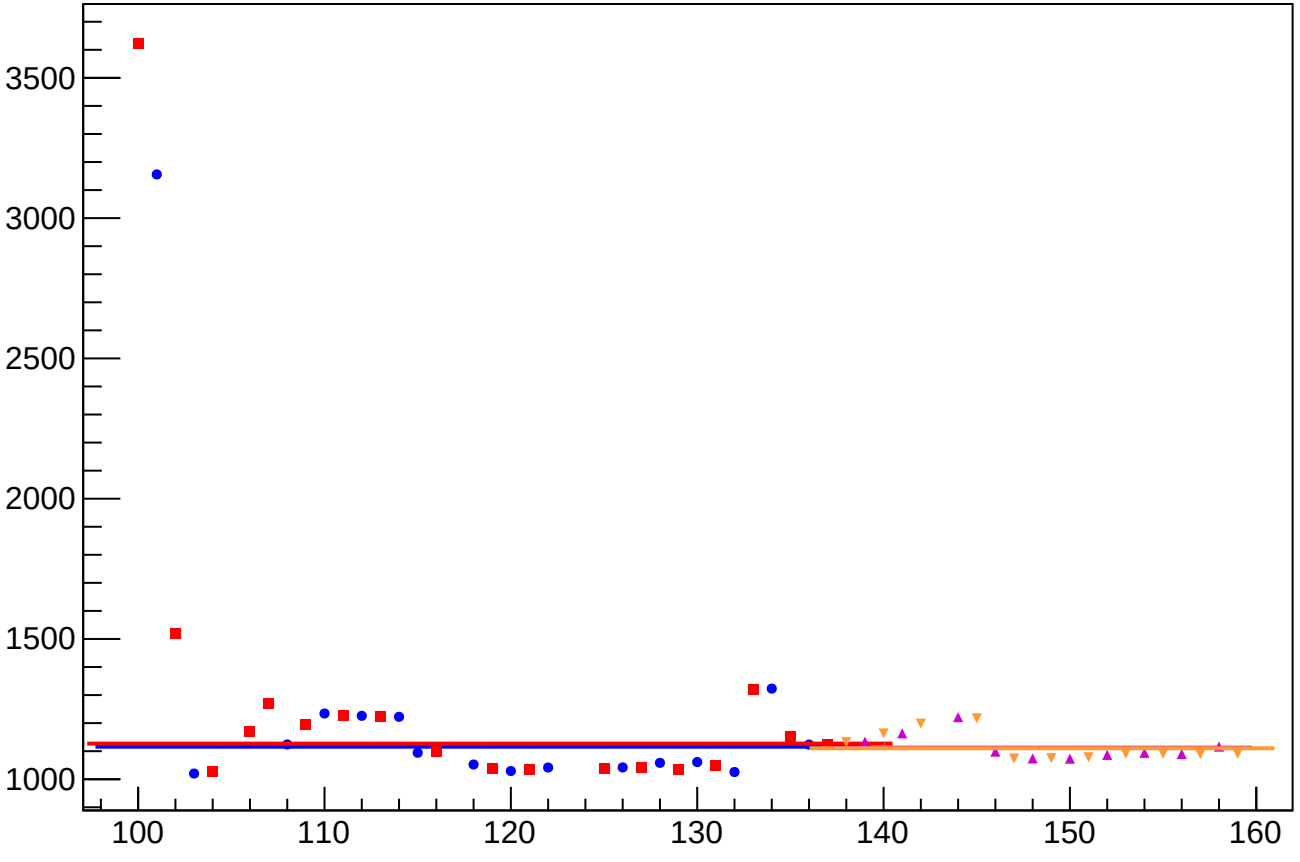
Left In: -158.335+/-376.890 χ^2/NDF:10.8/9

+ sign 23.640+/-281.541 χ^2/NDF: 25.9/26

All: -79.361+/-199.374 χ^2/NDF: 53.2/54

- sign -182.973+/-282.374 χ^2/NDF: 27.1/27

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

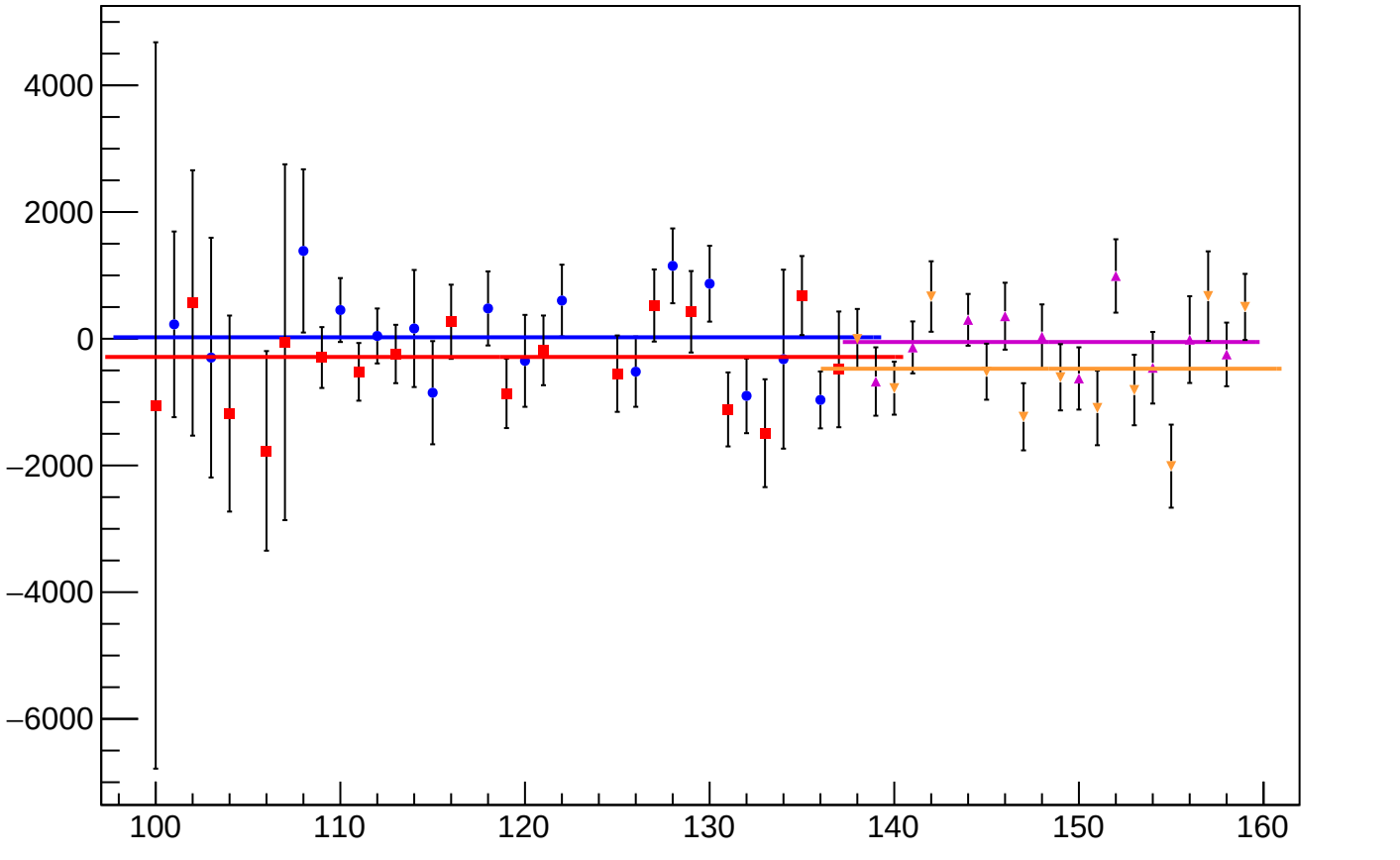
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

+ sign 1112.895+/-0.199 χ^2/NDF: 652256.7/26

All: 1115.828+/-0.141 χ^2/NDF: 902035.8/54

- sign 1118.778+/-0.200 χ^2/NDF: 249343.7/27



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -473.272+/-158.425 χ^2/NDF:20.9/10

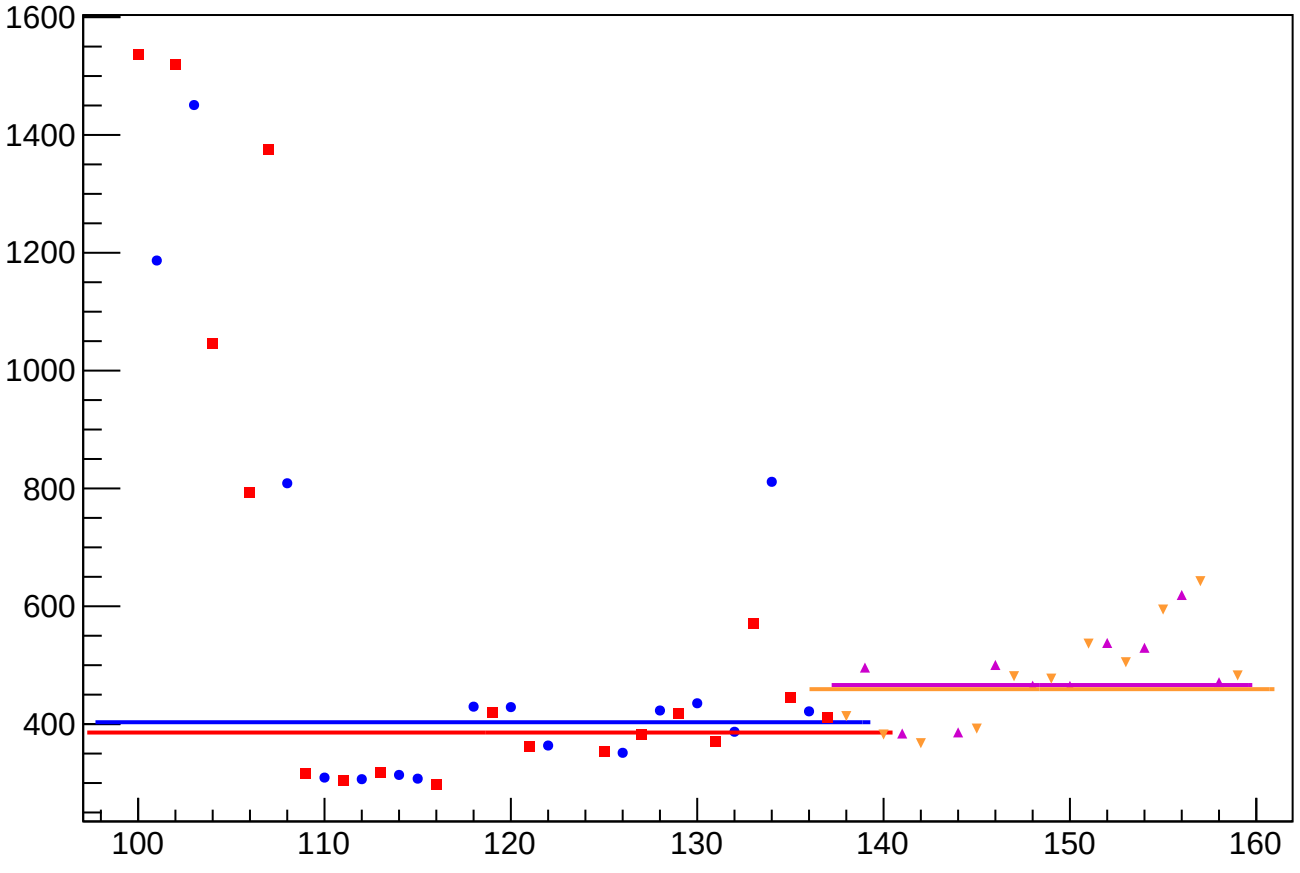
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -51.640+/-159.801 χ^2/NDF:8.0/9

\+ sign -229.542+/-113.005 χ^2/NDF: 44.7/26

All: -200.593+/-79.443 χ^2/NDF: 67.6/54

\- sign -172.307+/-111.706 χ^2/NDF: 22.8/27



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

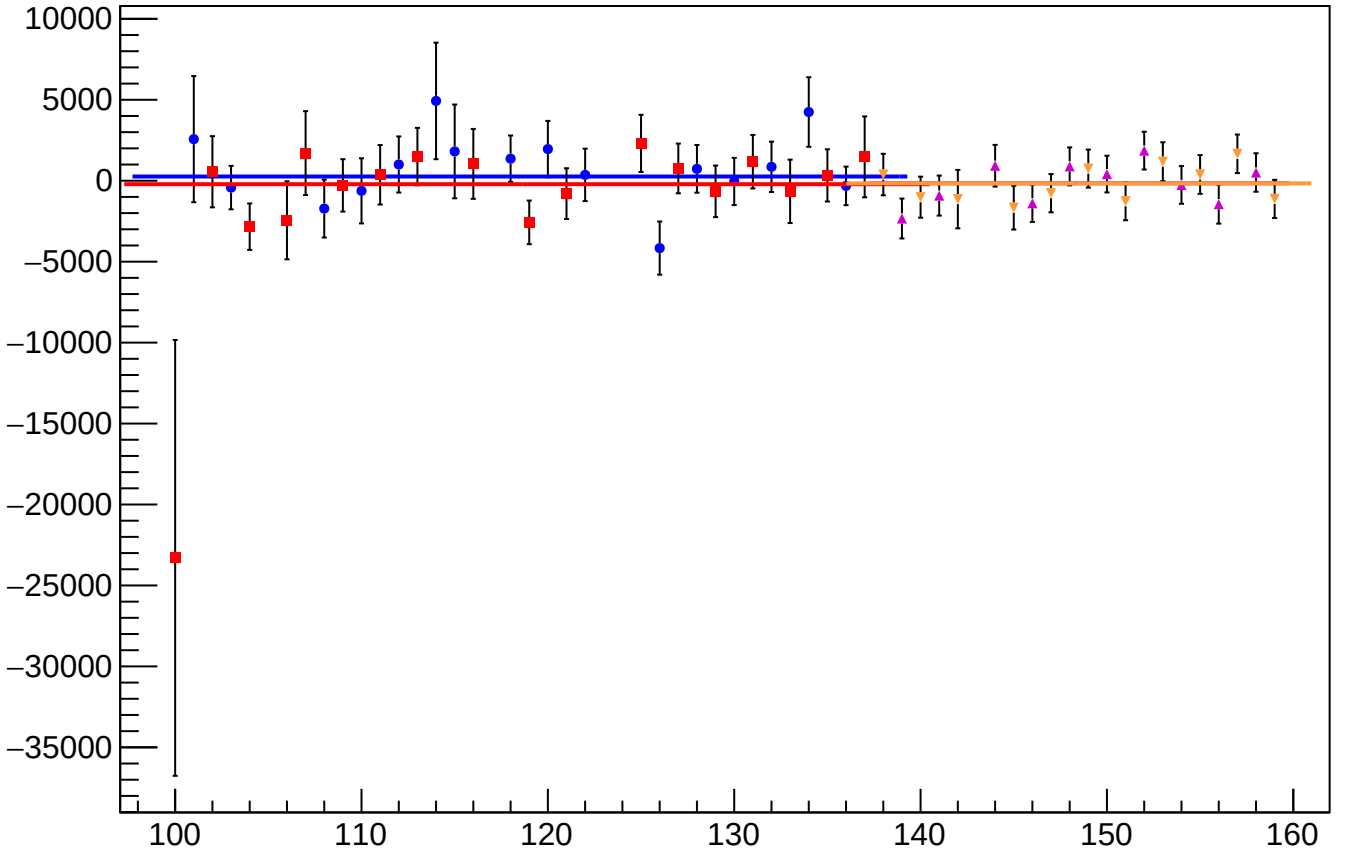
Left In: 466.328+/-0.113 χ^2/NDF:327368.3/9

+ sign 431.740+/-0.080 χ^2/NDF: 2399311.4/26

All: 428.376+/-0.056 χ^2/NDF: 4737808.8/54

- sign 425.089+/-0.079 χ^2/NDF: 2334993.6/27

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

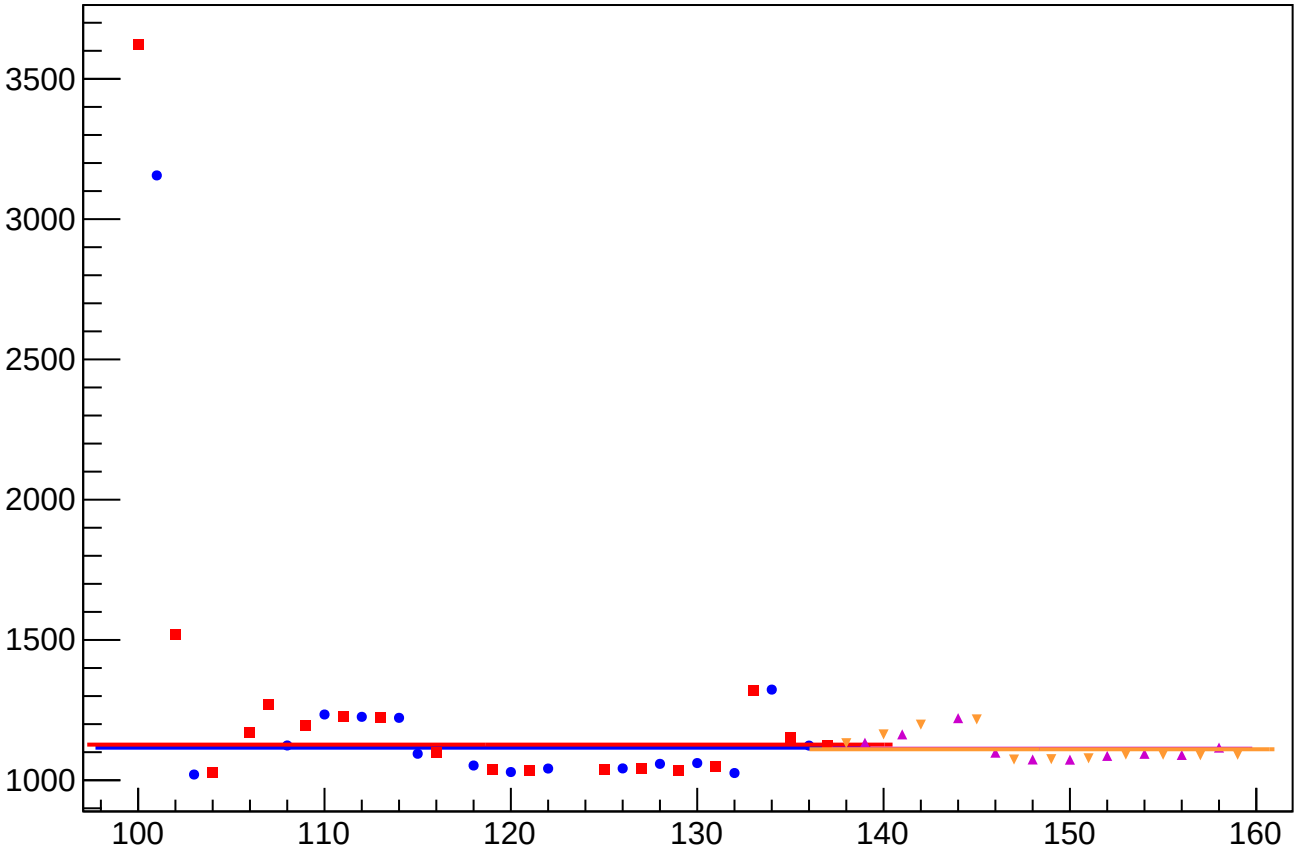
Left In: -158.335+/-376.890 χ^2/NDF:10.8/9

+ sign 23.640+/-281.541 χ^2/NDF: 25.9/26

All: -79.361+/-199.374 χ^2/NDF: 53.2/54

- sign -182.973+/-282.374 χ^2/NDF: 27.1/27

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

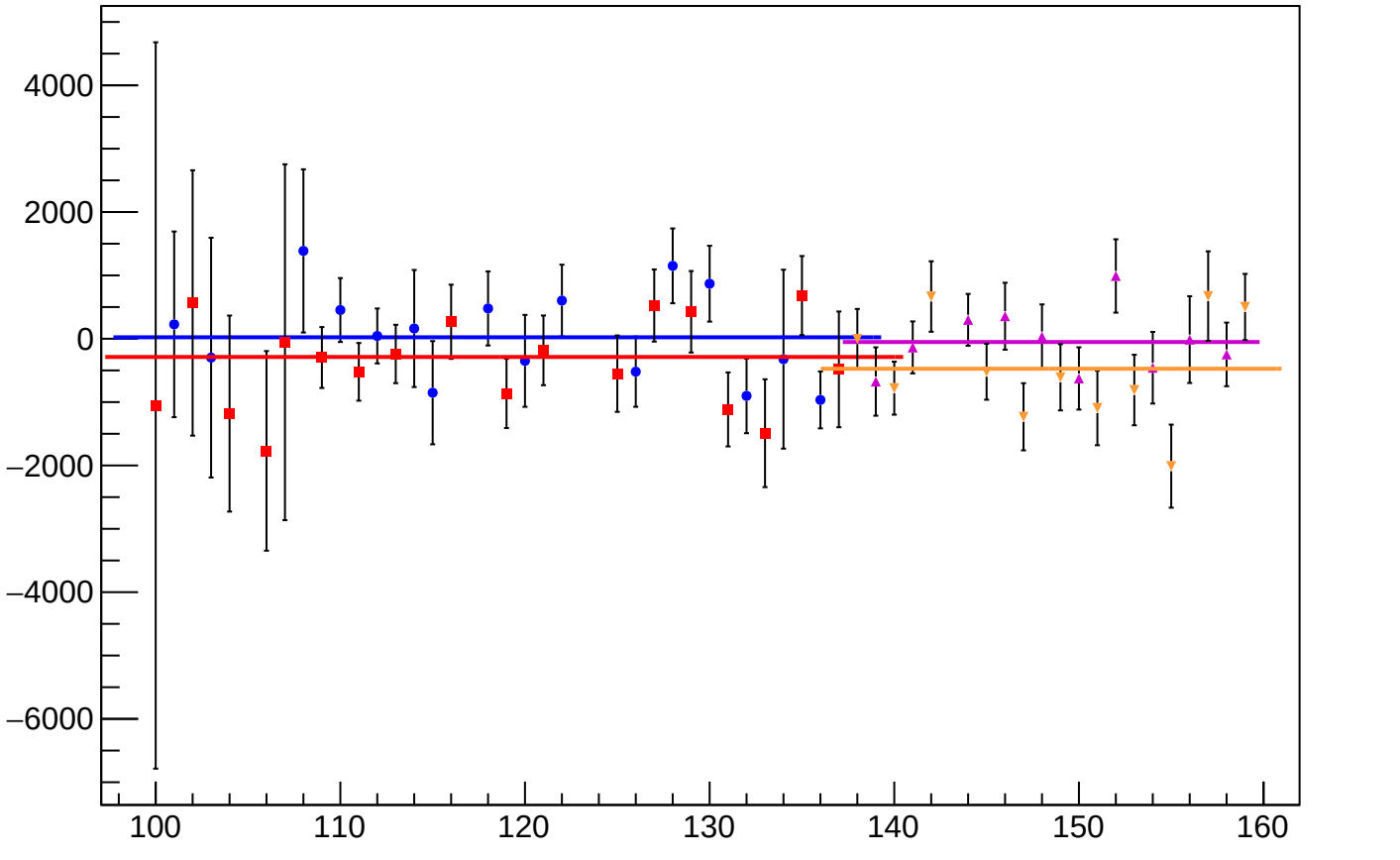
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1112.384+/-0.267 χ^2/NDF:25291.2/9

+ sign 1112.895+/-0.199 χ^2/NDF: 652256.7/26

All: 1115.828+/-0.141 χ^2/NDF: 902035.8/54

- sign 1118.778+/-0.200 χ^2/NDF: 249343.7/27



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -473.272+/-158.425 χ^2/NDF:20.9/10

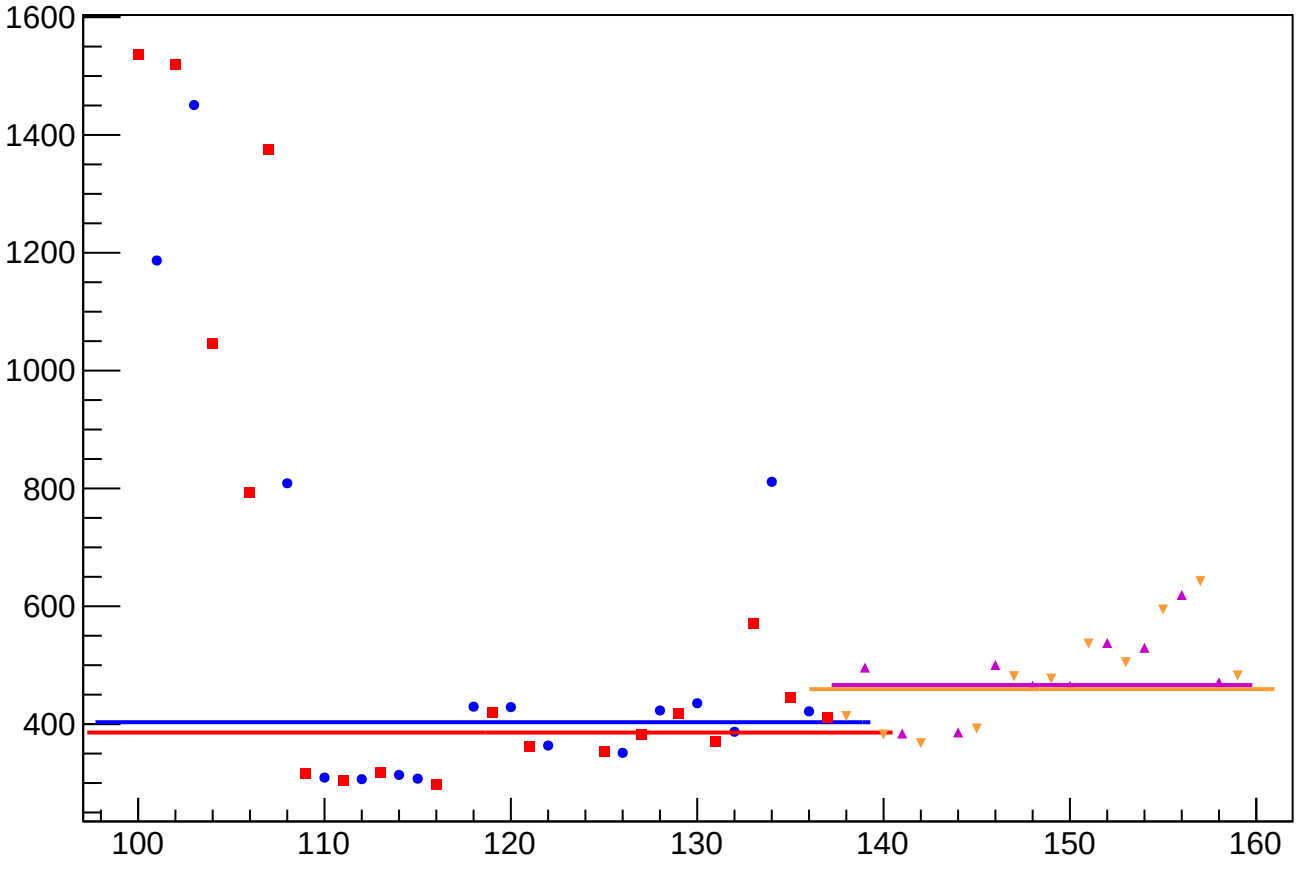
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -51.640+/-159.801 χ^2/NDF:8.0/9

\+ sign -229.542+/-113.005 χ^2/NDF: 44.7/26

All: -200.593+/-79.443 χ^2/NDF: 67.6/54

\- sign -172.307+/-111.706 χ^2/NDF: 22.8/27



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

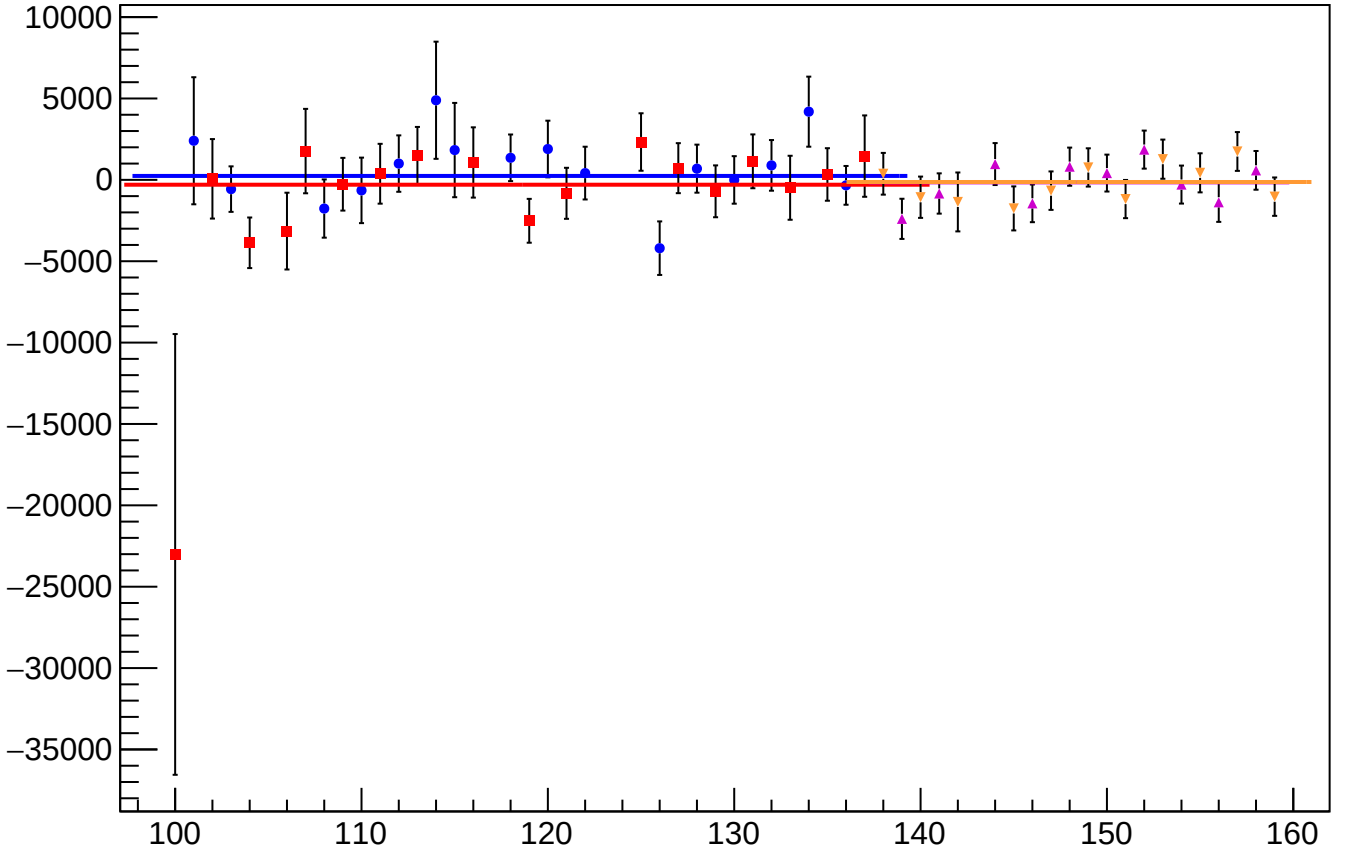
Left In: 466.328+/-0.113 χ^2/NDF:327368.3/9

+ sign 431.740+/-0.080 χ^2/NDF: 2399311.4/26

All: 428.376+/-0.056 χ^2/NDF: 4737808.8/54

- sign 425.089+/-0.079 χ^2/NDF: 2334993.6/27

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

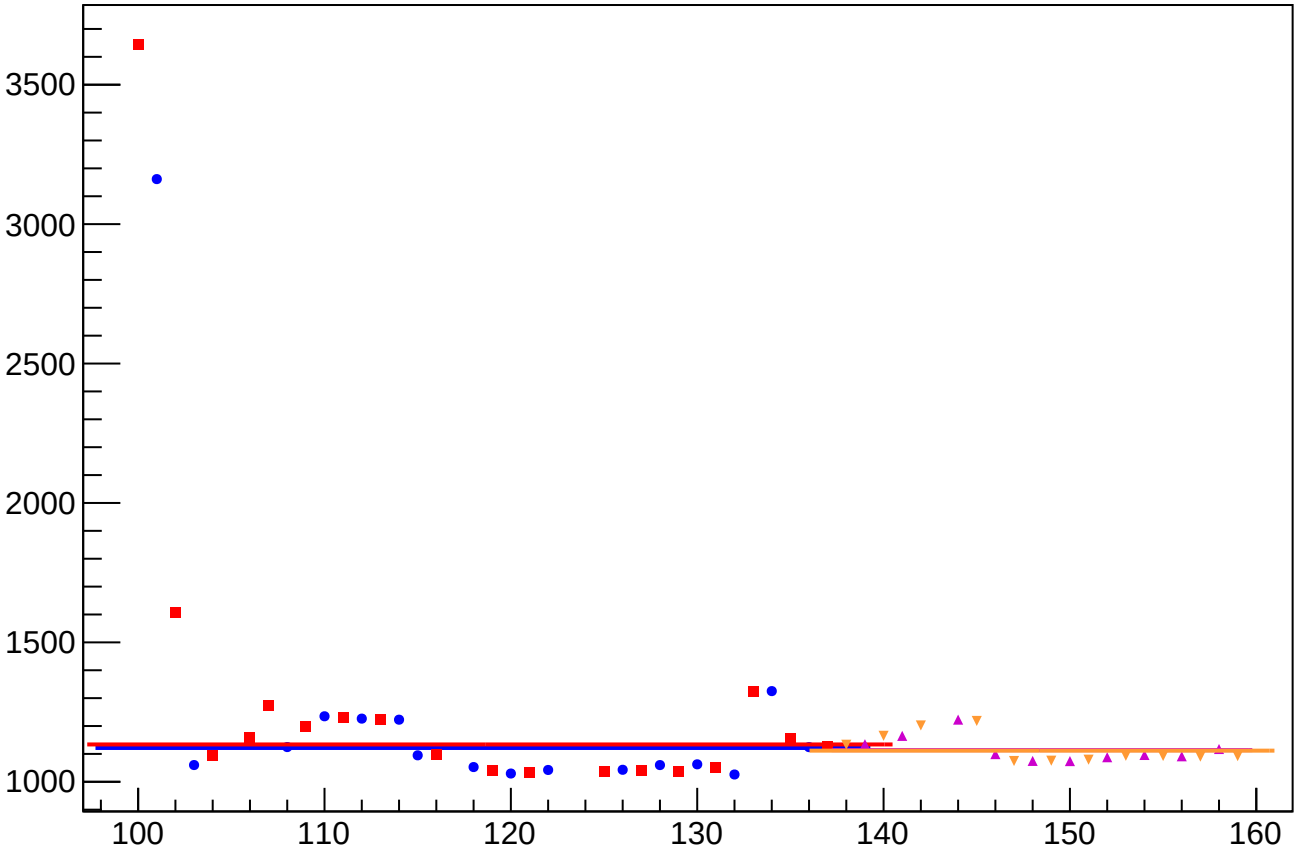
Left In: -155.321+/-377.300 χ^2/NDF:10.9/9

+ sign 31.421+/-282.293 χ^2/NDF: 26.2/26

All: -92.446+/-200.150 χ^2/NDF: 56.3/54

- sign -217.661+/-283.823 χ^2/NDF: 29.7/27

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

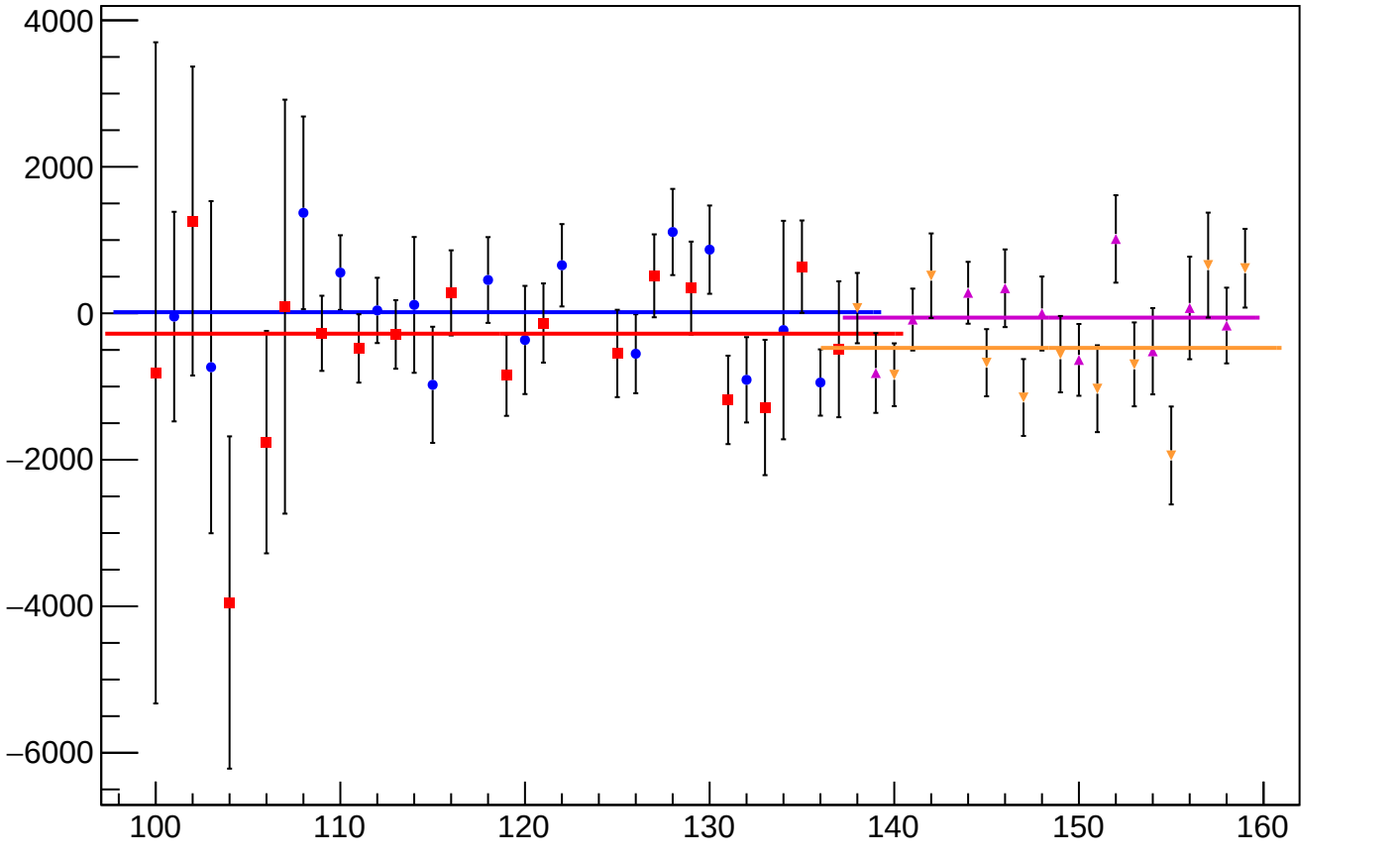
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1113.586+/-0.267 χ^2/NDF:25381.3/9

+ sign 1115.900+/-0.200 χ^2/NDF: 646622.3/26

All: 1119.141+/-0.142 χ^2/NDF: 902515.0/54

- sign 1122.417+/-0.201 χ^2/NDF: 255362.5/27



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -472.485+/-161.383 χ^2/NDF:19.3/10

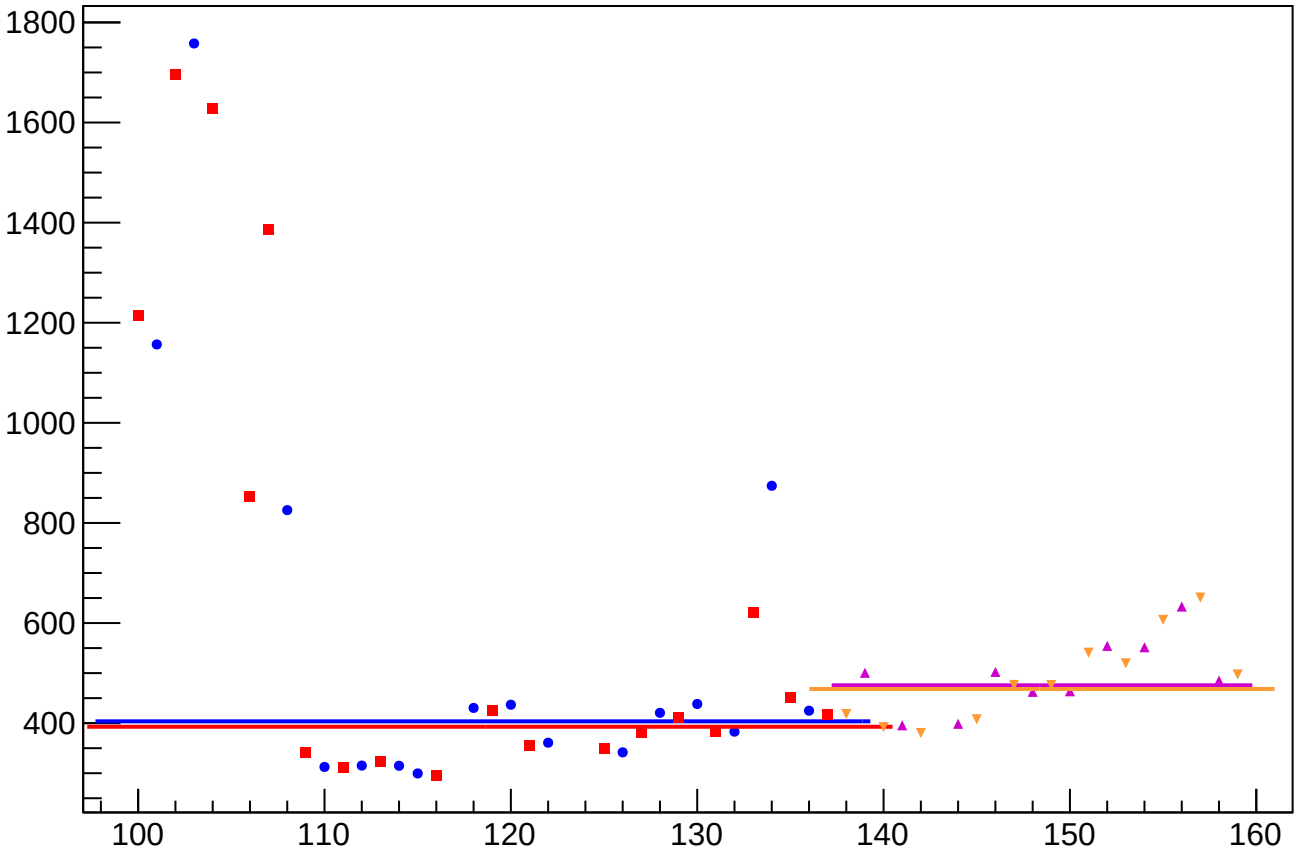
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -58.921+/-162.882 χ^2/NDF:8.5/9

+ sign -229.294+/-114.278 χ^2/NDF: 43.4/26

All: -200.179+/-80.607 χ^2/NDF: 68.0/54

- sign -171.350+/-113.714 χ^2/NDF: 24.5/27



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

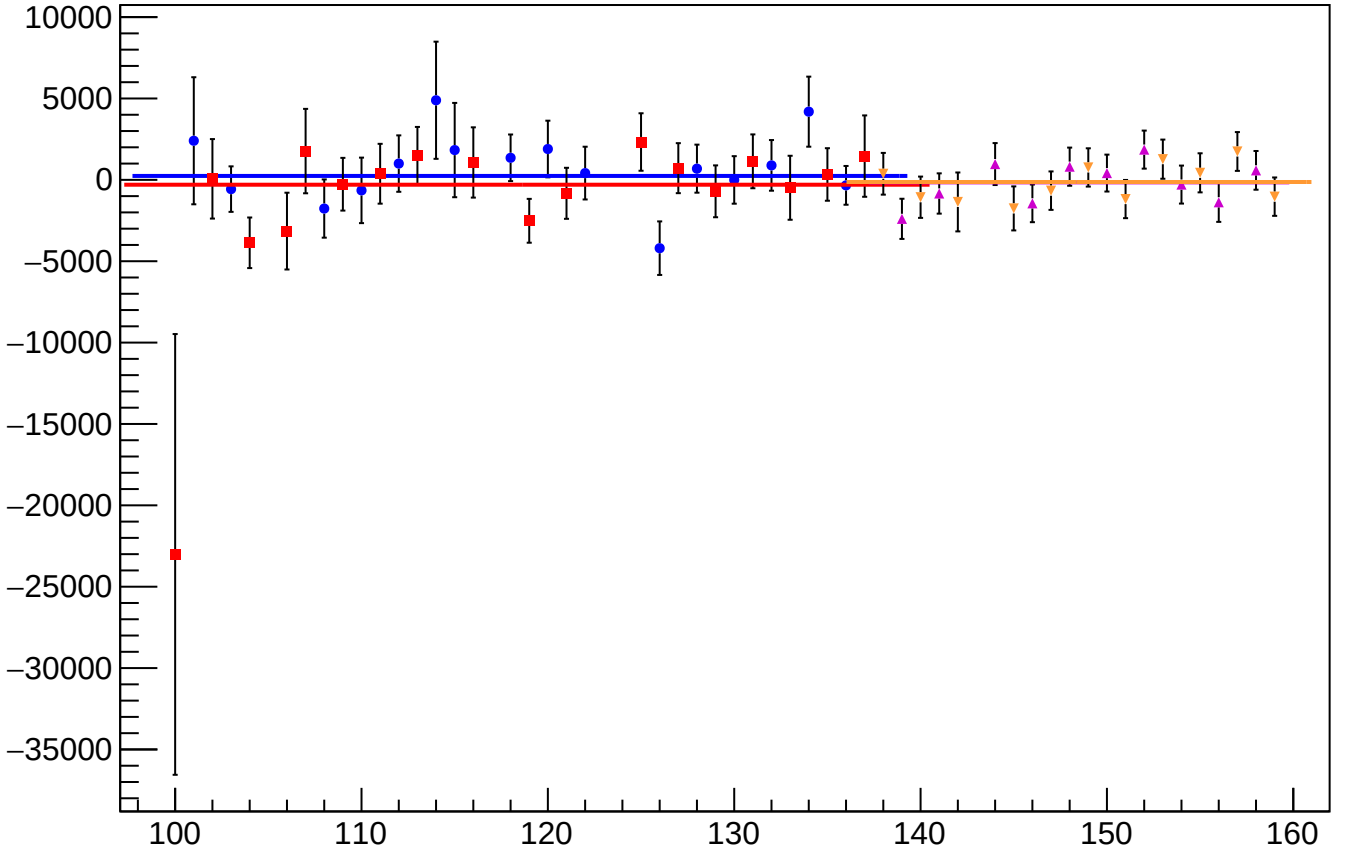
Left In: 475.566+/-0.115 χ^2/NDF:319562.5/9

+ sign 436.091+/-0.081 χ^2/NDF: 2523859.6/26

All: 434.613+/-0.057 χ^2/NDF: 5312119.4/54

- sign 433.150+/-0.080 χ^2/NDF: 2787594.3/27

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

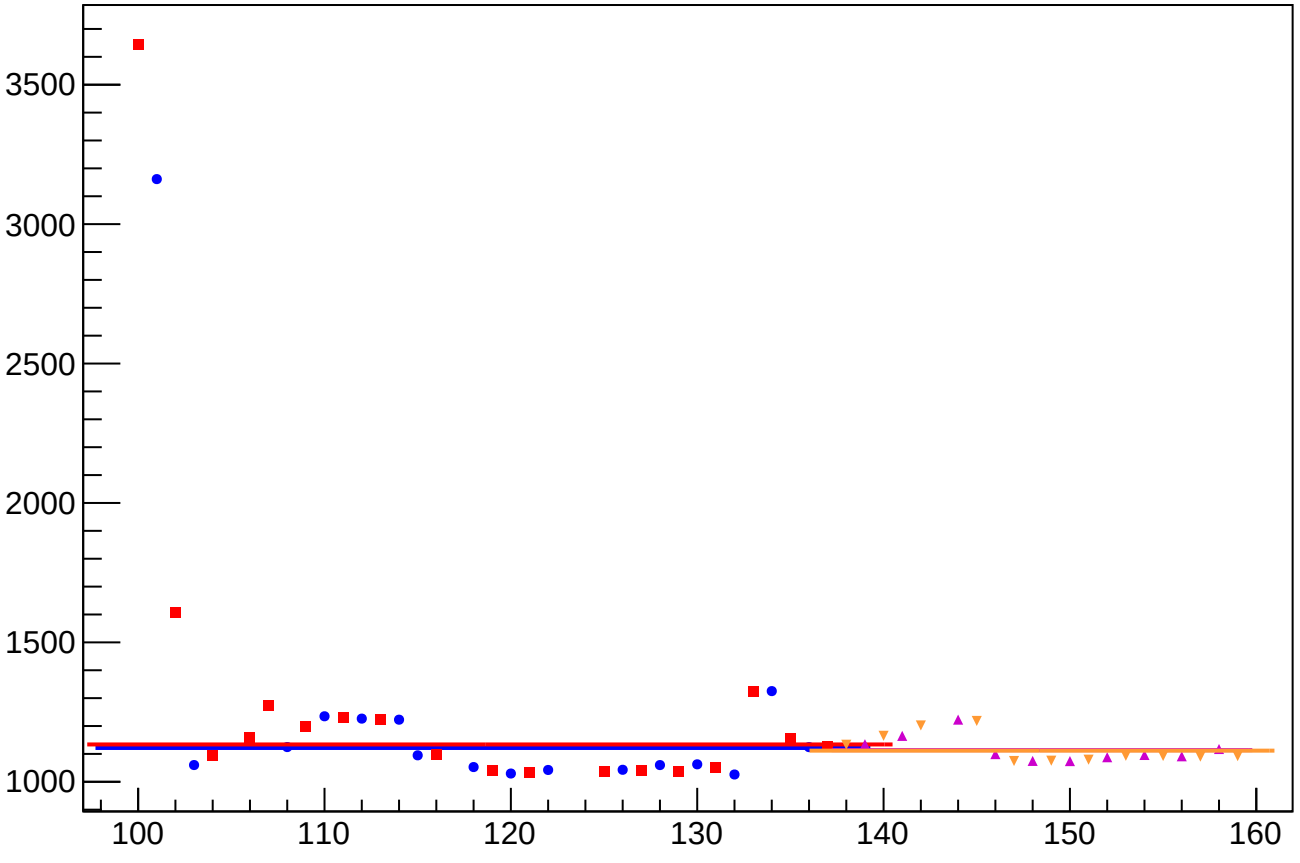
Left In: -155.319+/-377.300 χ^2/NDF:10.9/9

+ sign 31.420+/-282.293 χ^2/NDF: 26.2/26

All: -92.447+/-200.150 χ^2/NDF: 56.3/54

- sign -217.660+/-283.823 χ^2/NDF: 29.7/27

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

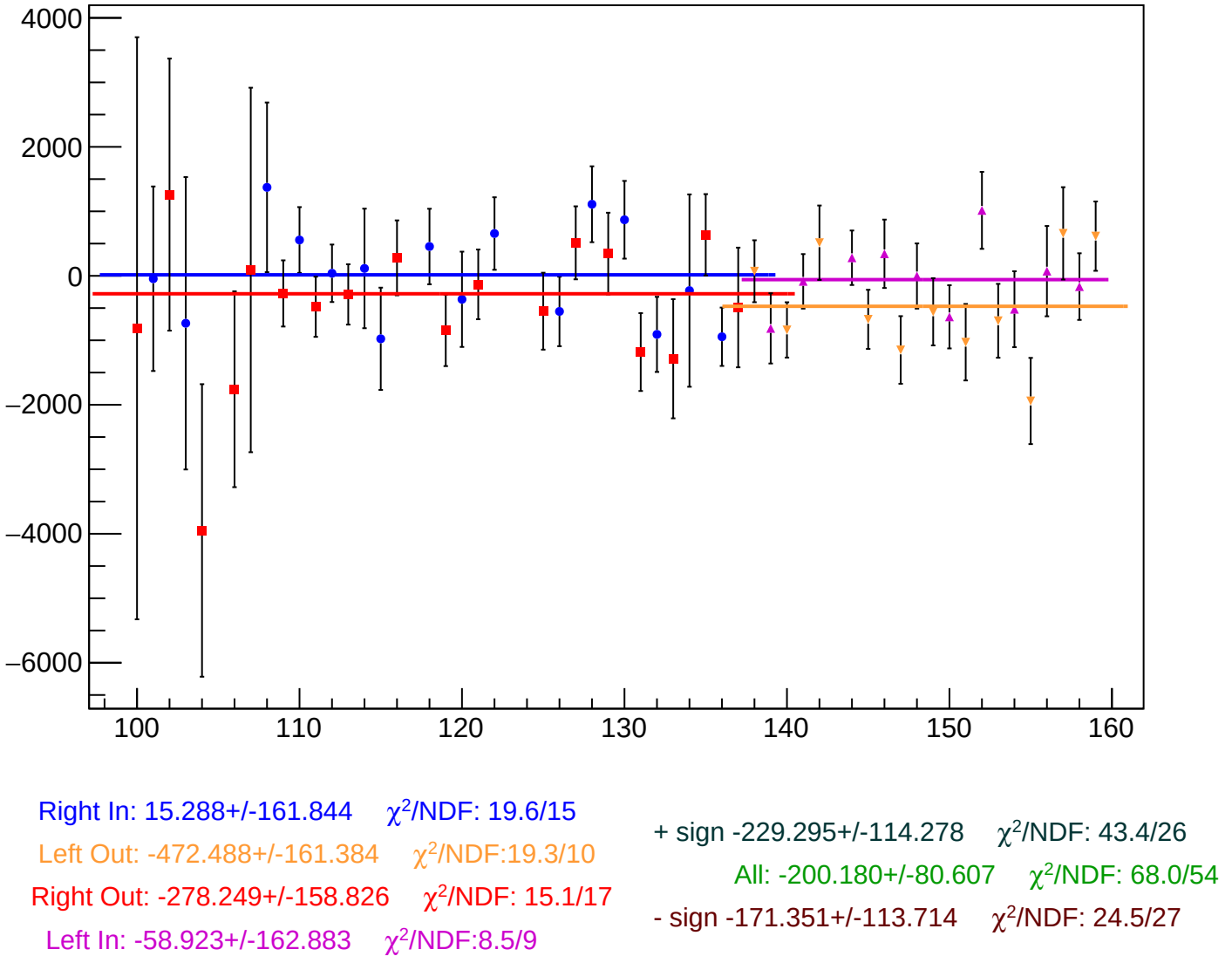
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

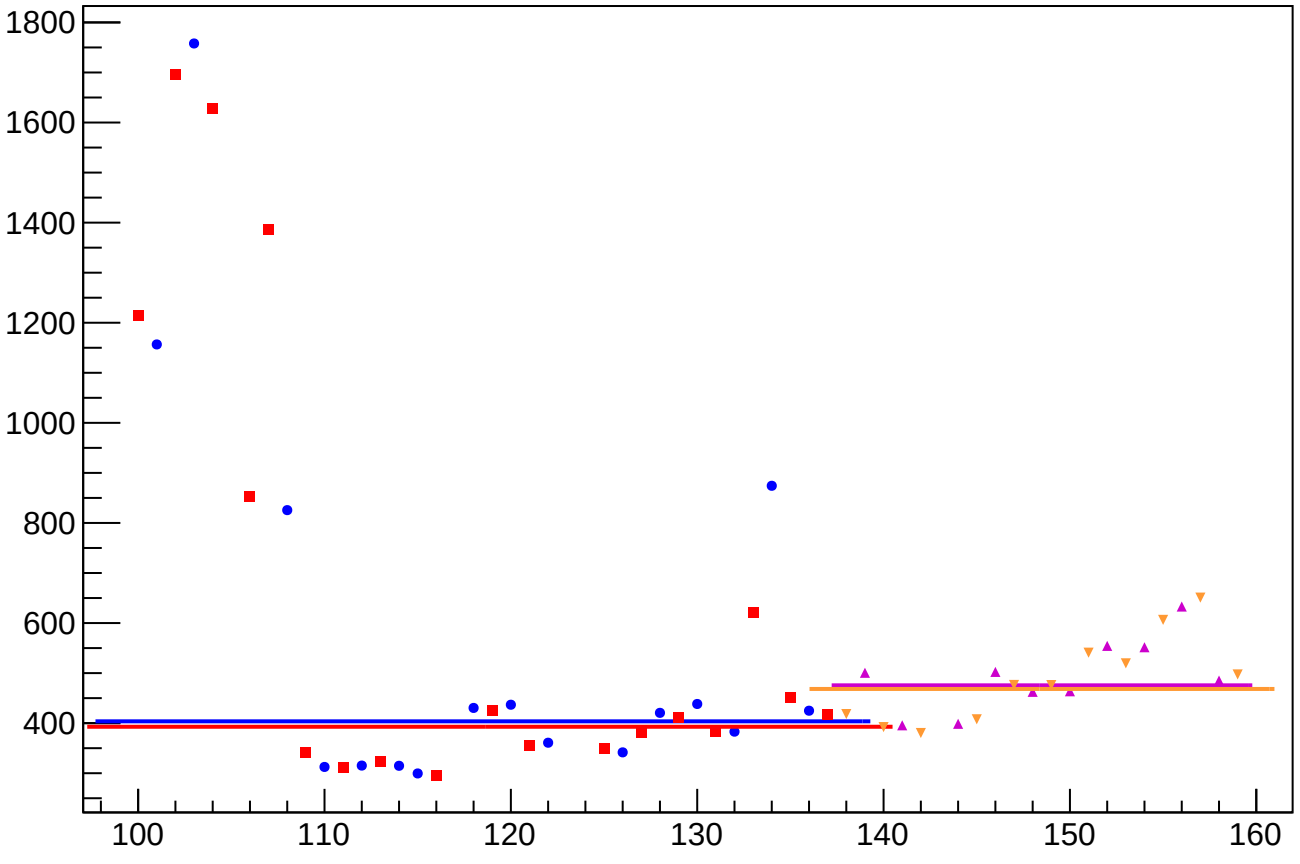
Left In: 1113.586+/-0.267 χ^2/NDF:25381.4/9

+ sign 1115.900+/-0.200 χ^2/NDF: 646622.3/26

All: 1119.141+/-0.142 χ^2/NDF: 902515.1/54

- sign 1122.417+/-0.201 χ^2/NDF: 255362.6/27


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -472.488+/-161.384 χ²/NDF:19.3/10
Right Out: -278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -58.923+/-162.883 χ²/NDF:8.5/9
+ sign -229.295+/-114.278 χ²/NDF: 43.4/26
All: -200.180+/-80.607 χ²/NDF: 68.0/54
- sign -171.351+/-113.714 χ²/NDF: 24.5/27



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

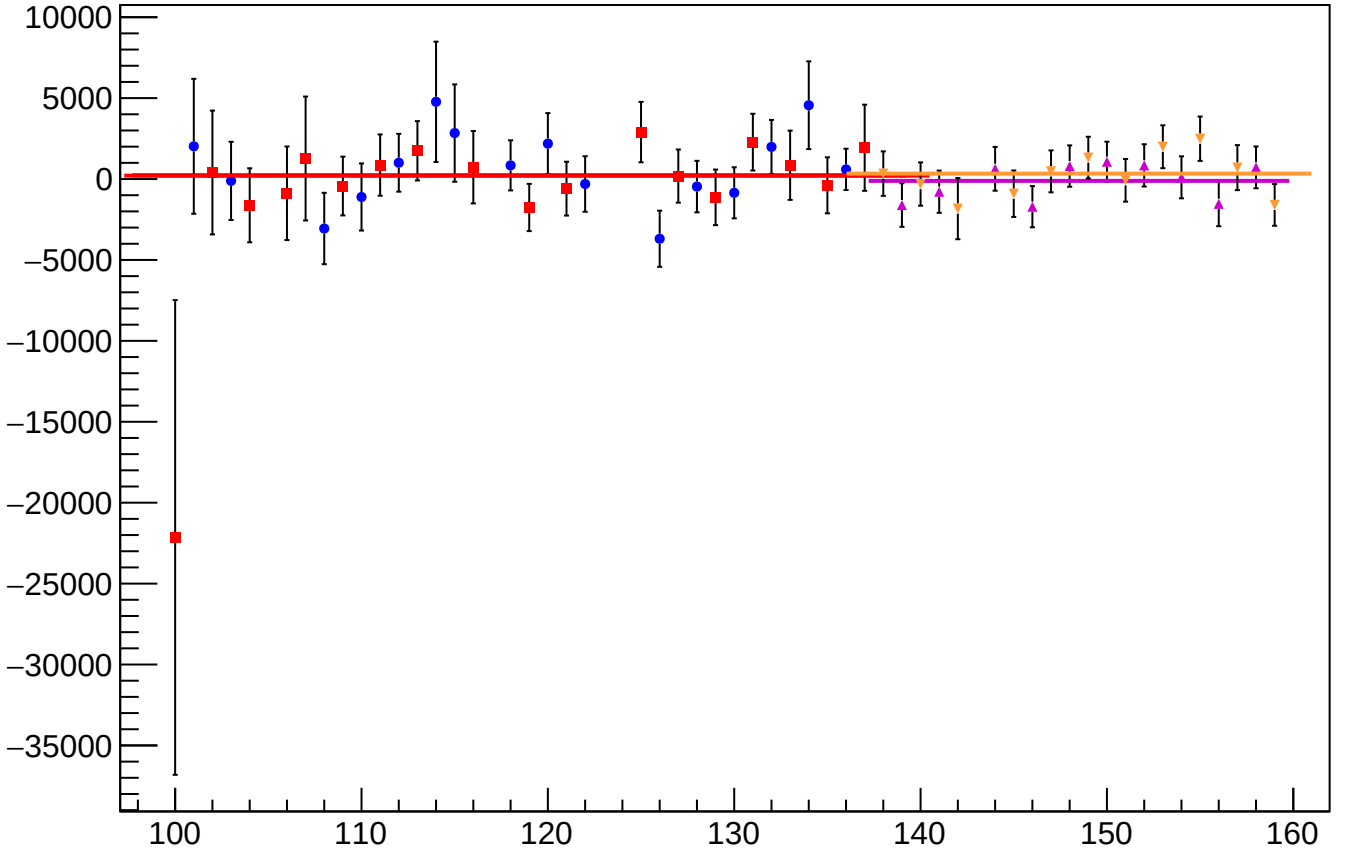
Left In: 475.568+/-0.115 χ^2/NDF:319573.6/9

+ sign 436.089+/-0.081 χ^2/NDF: 2523895.7/26

All: 434.612+/-0.057 χ^2/NDF: 5312205.8/54

- sign 433.149+/-0.080 χ^2/NDF: 2787644.8/27

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

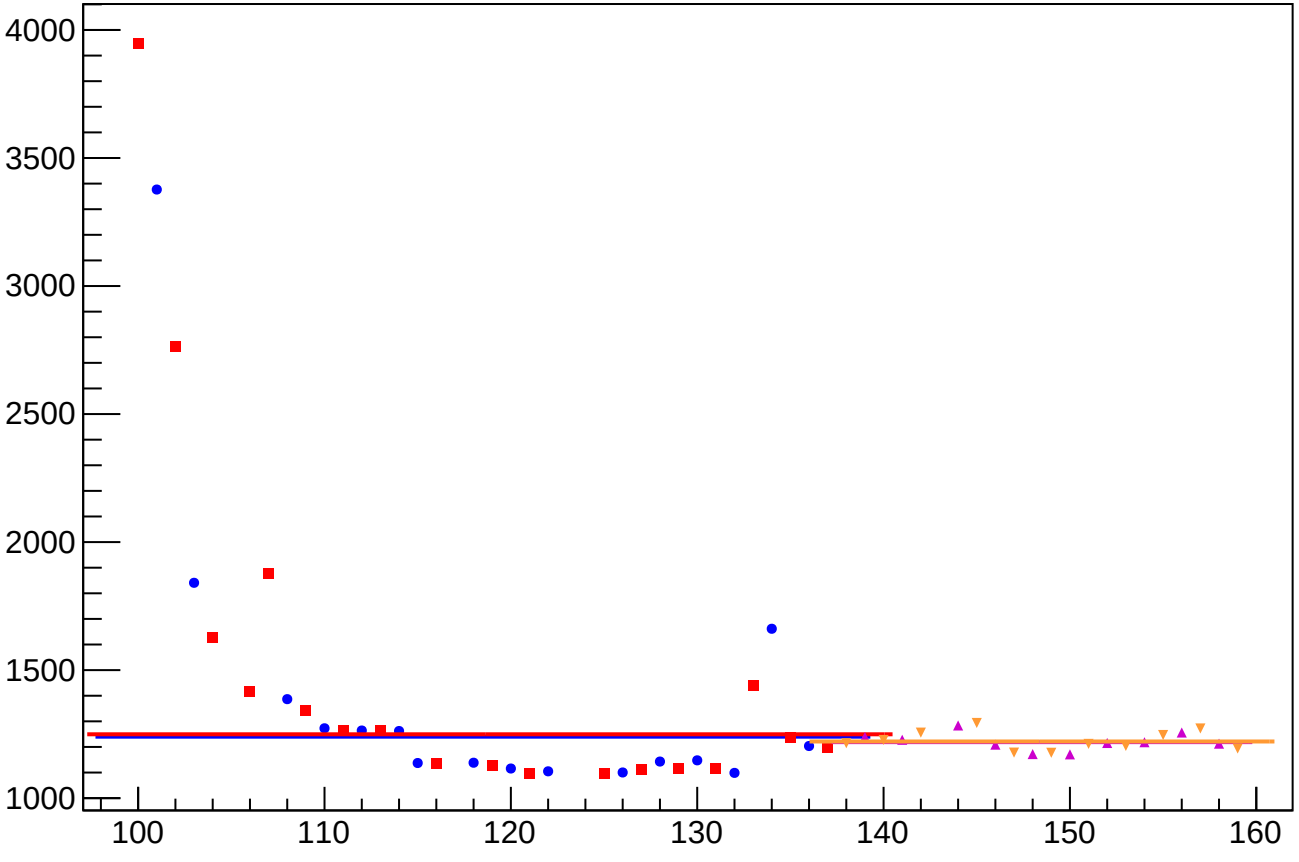
Left In: -114.244+/-412.810 χ^2/NDF:6.8/9

+ sign 286.774+/-311.745 χ^2/NDF: 25.5/26

All: 155.767+/-220.660 χ^2/NDF: 43.9/54

- sign 24.229+/-312.376 χ^2/NDF: 18.0/27

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

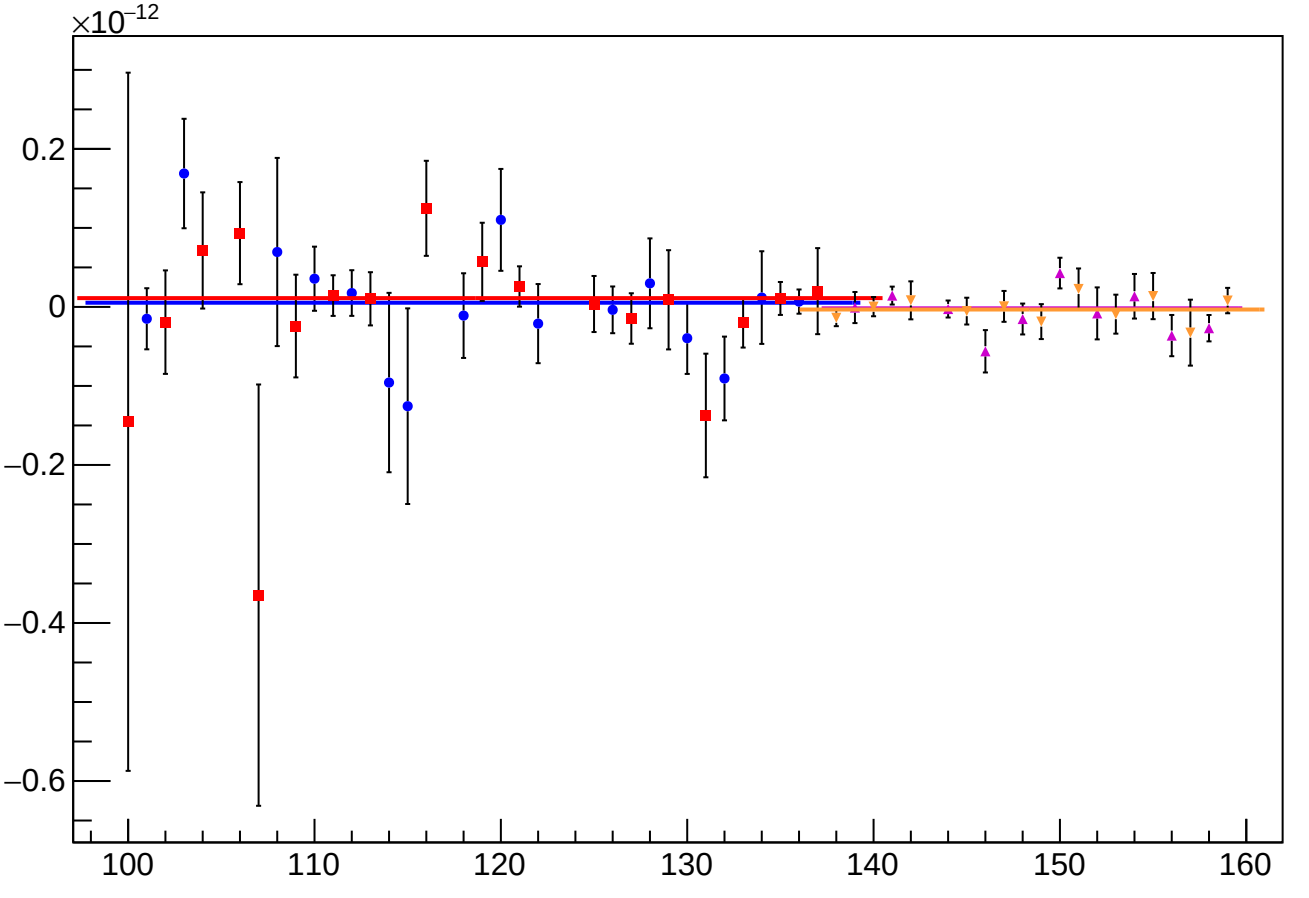
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1218.799+/-0.292 χ^2/NDF:12455.9/9

+ sign 1229.432+/-0.220 χ^2/NDF: 799609.6/26

All: 1230.654+/-0.156 χ^2/NDF: 1422926.7/54

- sign 1231.882+/-0.221 χ^2/NDF: 623255.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/10

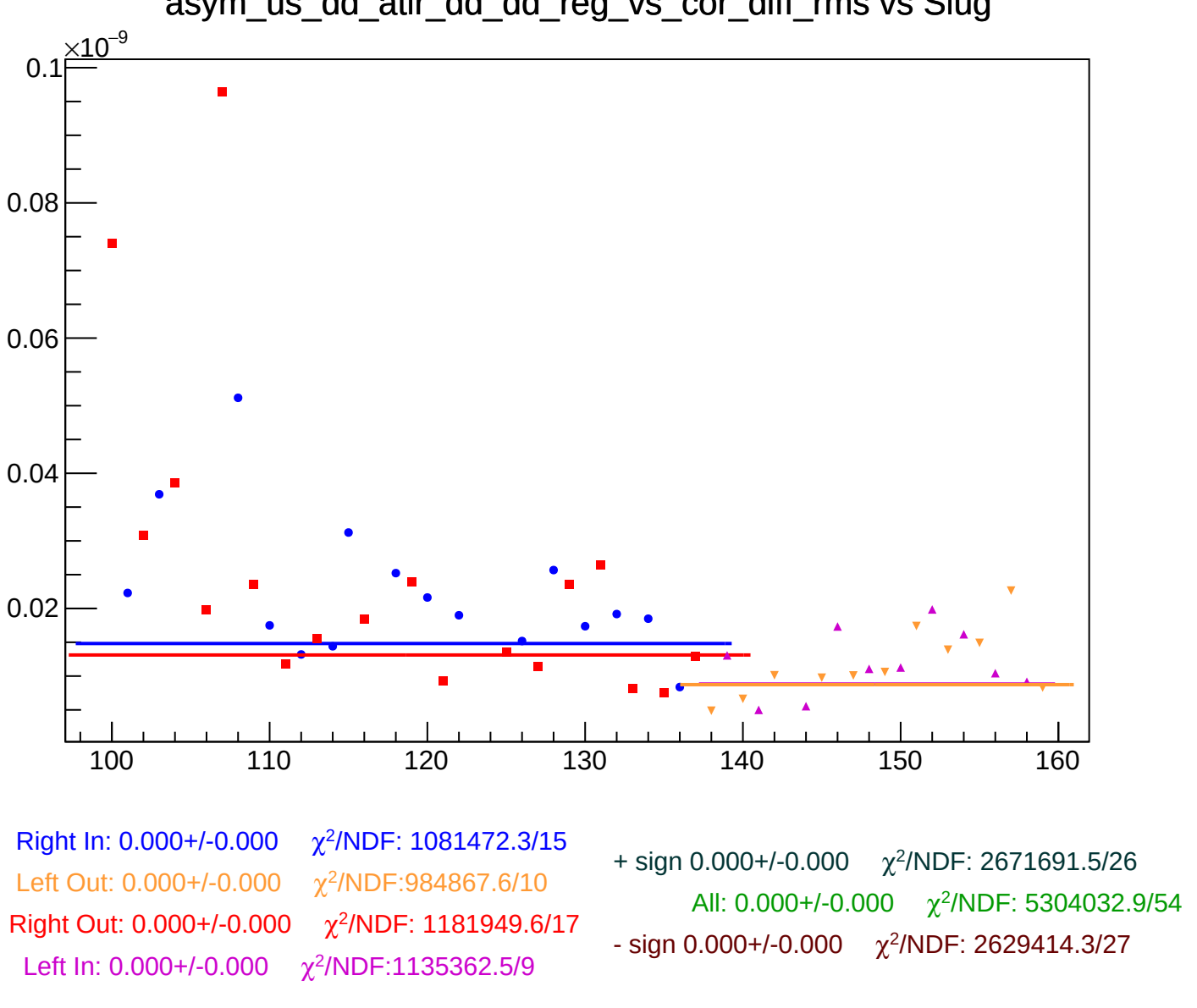
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

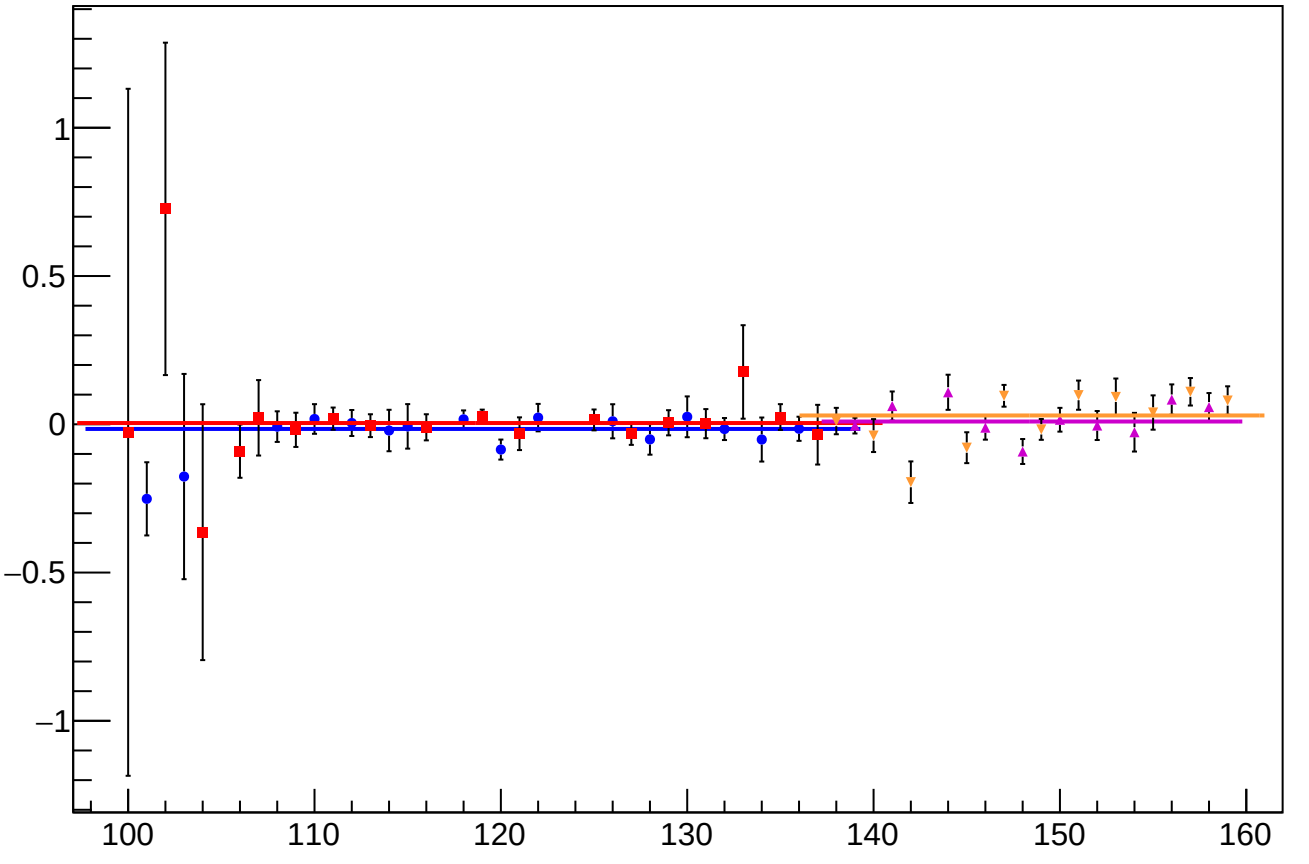
Left In: -0.000+/-0.000 χ^2/NDF:16.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/26

All: 0.000+/-0.000 χ^2/NDF: 54.1/54

- sign 0.000+/-0.000 χ^2/NDF: 32.7/27


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:1135362.5/9
+ sign 0.000+/-0.000 χ²/NDF: 2671691.5/26
All: 0.000+/-0.000 χ²/NDF: 5304032.9/54
- sign 0.000+/-0.000 χ²/NDF: 2629414.3/27



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.014 χ^2/NDF:28.4/10

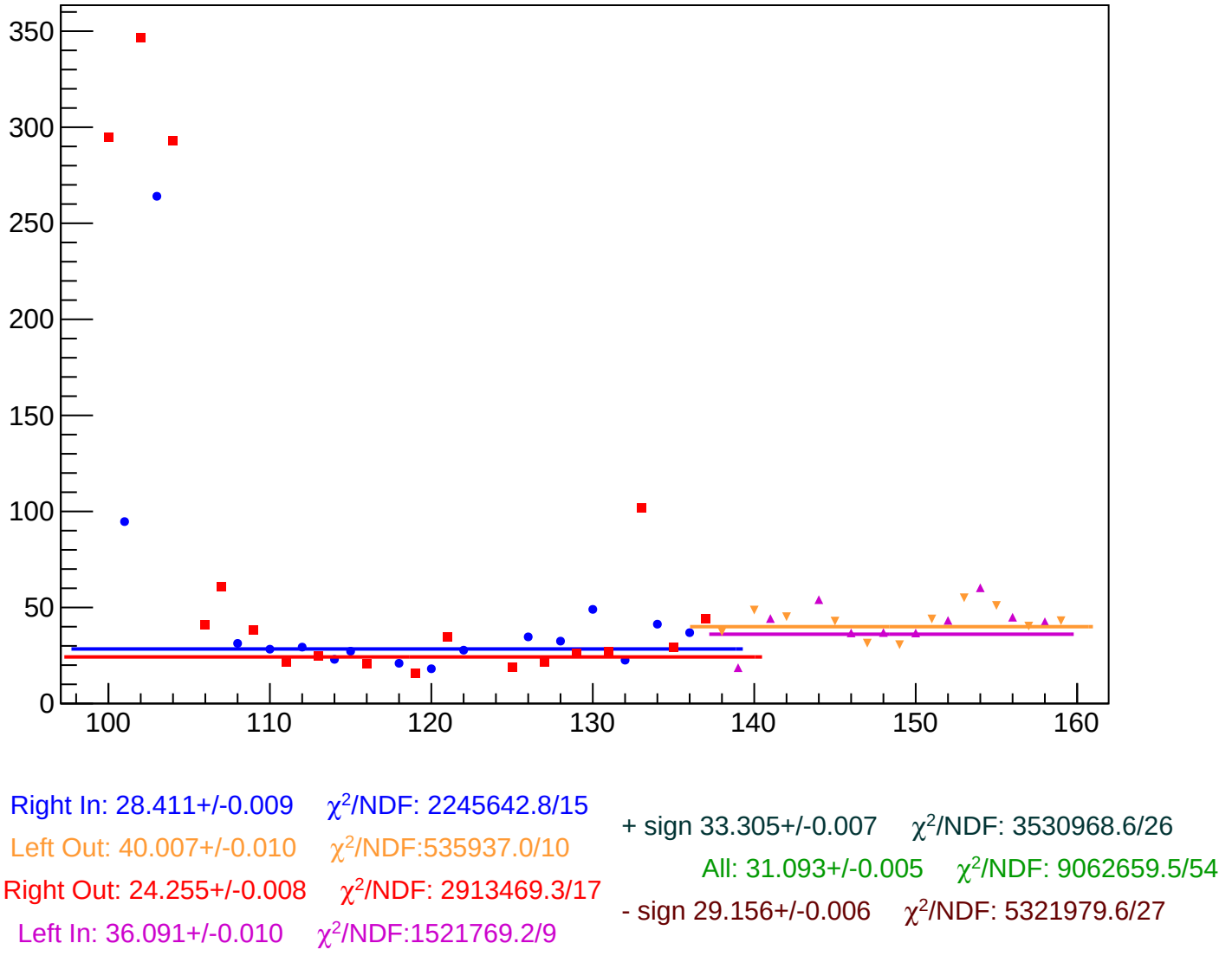
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

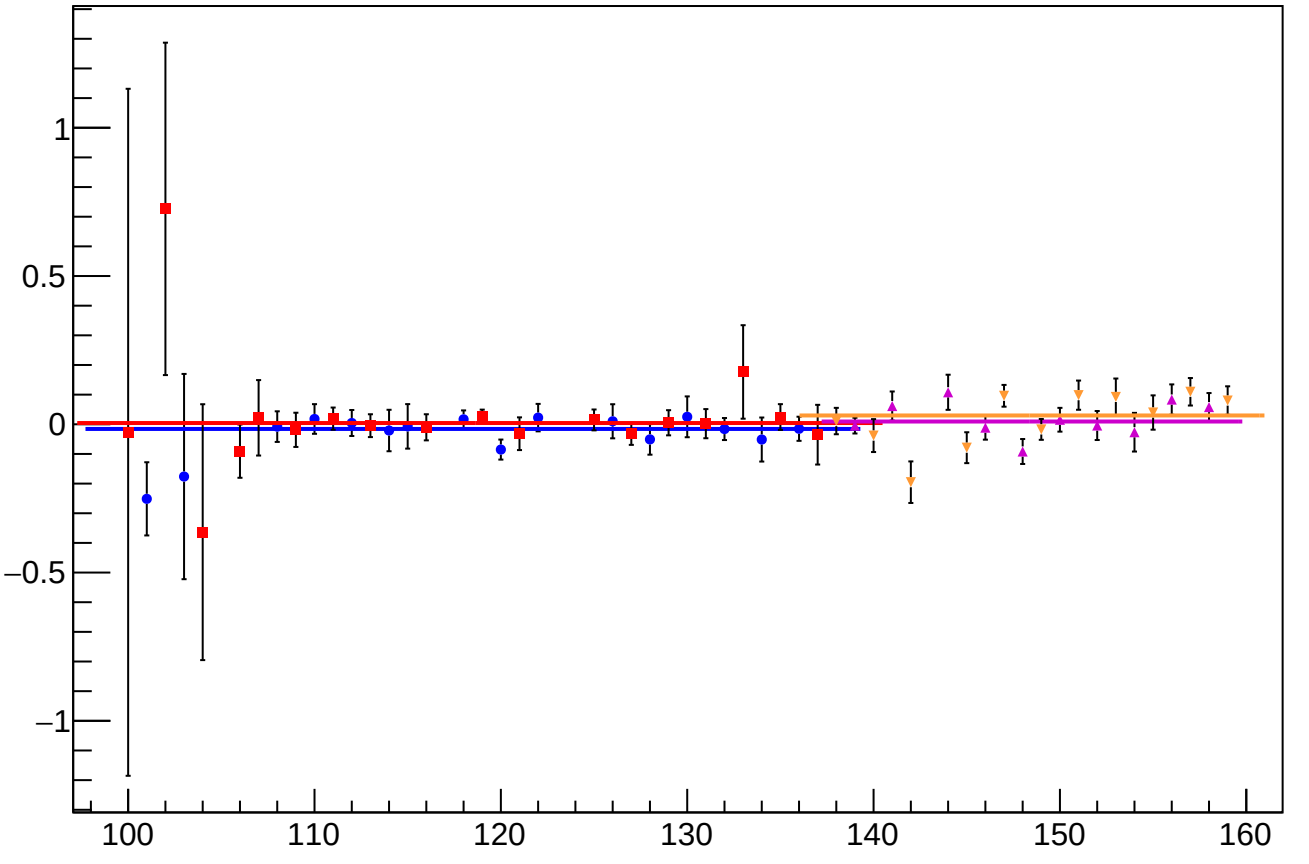
Left In: 0.009+/-0.014 χ^2/NDF:13.8/9

+ sign 0.003+/-0.009 χ^2/NDF: 46.1/26

All: 0.005+/-0.006 χ^2/NDF: 67.8/54

- sign 0.006+/-0.009 χ^2/NDF: 21.7/27


asym_us_dd_atlr_dd_dd_dit_vs_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: 2245642.8/15
Left Out: 40.007+/-0.010 χ²/NDF:535937.0/10
Right Out: 24.255+/-0.008 χ²/NDF: 2913469.3/17
Left In: 36.091+/-0.010 χ²/NDF:1521769.2/9
+ sign 33.305+/-0.007 χ²/NDF: 3530968.6/26
All: 31.093+/-0.005 χ²/NDF: 9062659.5/54
- sign 29.156+/-0.006 χ²/NDF: 5321979.6/27



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

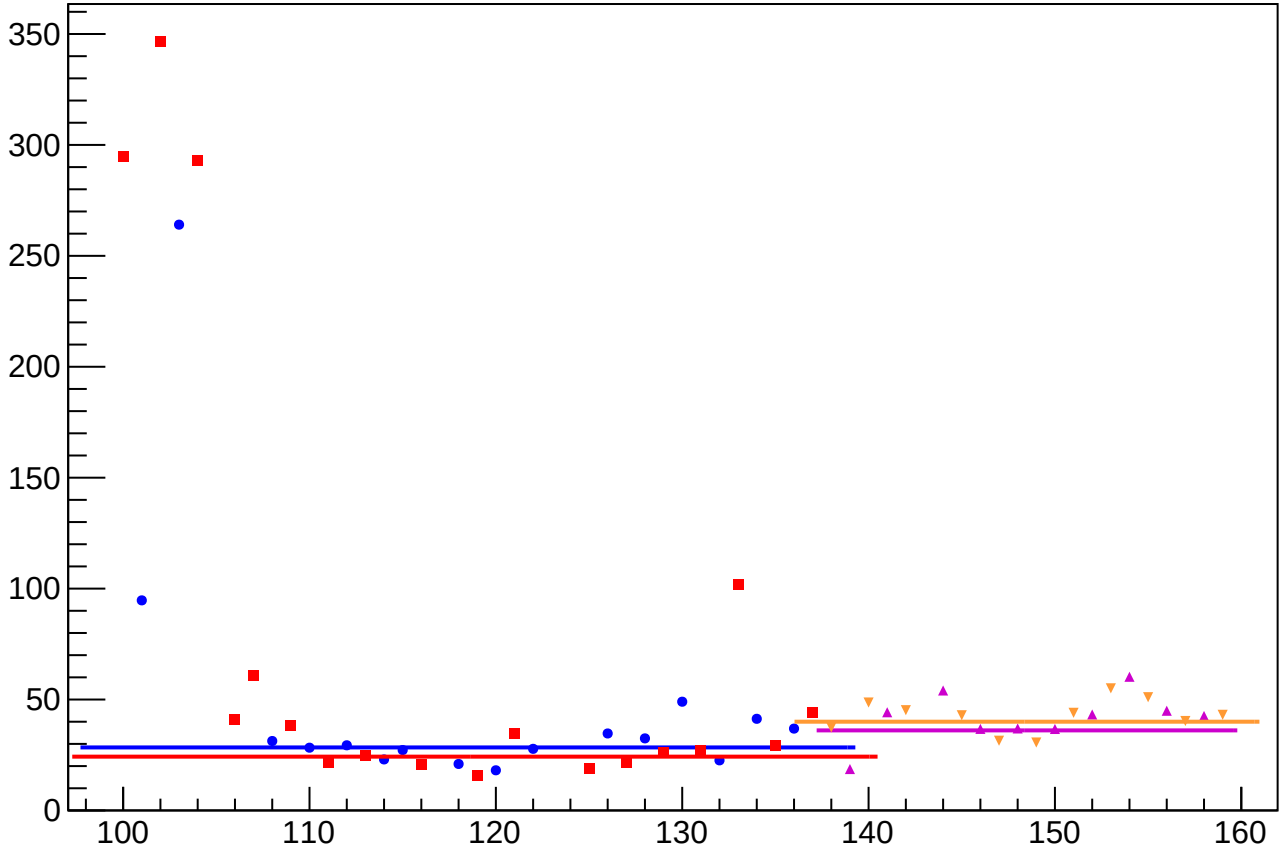
Left In: 0.009+/-0.014 χ^2/NDF:13.8/9

+ sign 0.003+/-0.009 χ^2/NDF: 46.1/26

All: 0.005+/-0.006 χ^2/NDF: 67.8/54

- sign 0.006+/-0.009 χ^2/NDF: 21.7/27

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

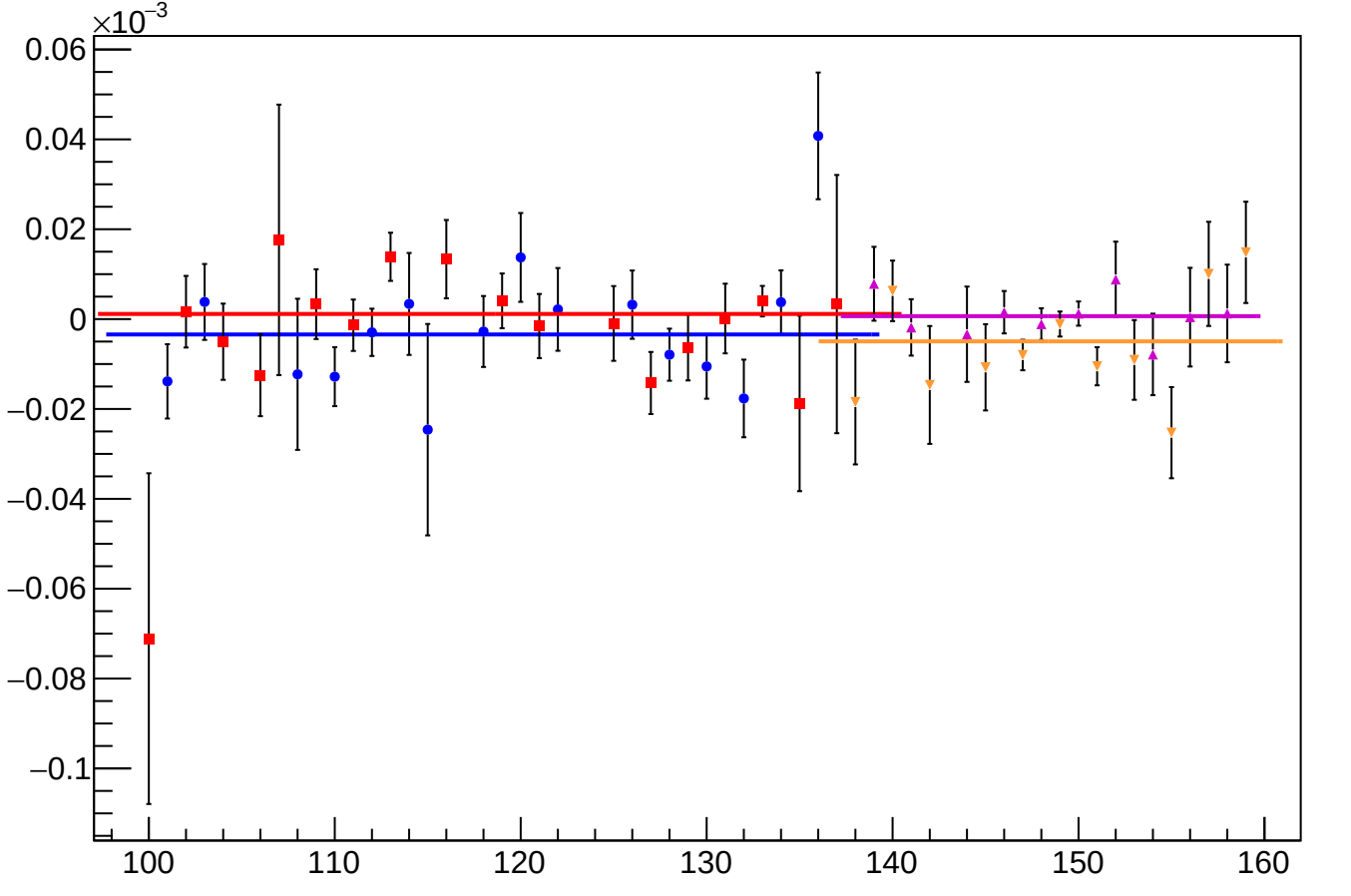
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.091+/-0.010 χ^2/NDF:1521769.2/9

+ sign 33.305+/-0.007 χ^2/NDF: 3530968.6/26

All: 31.093+/-0.005 χ^2/NDF: 9062659.5/54

- sign 29.156+/-0.006 χ^2/NDF: 5321979.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/10

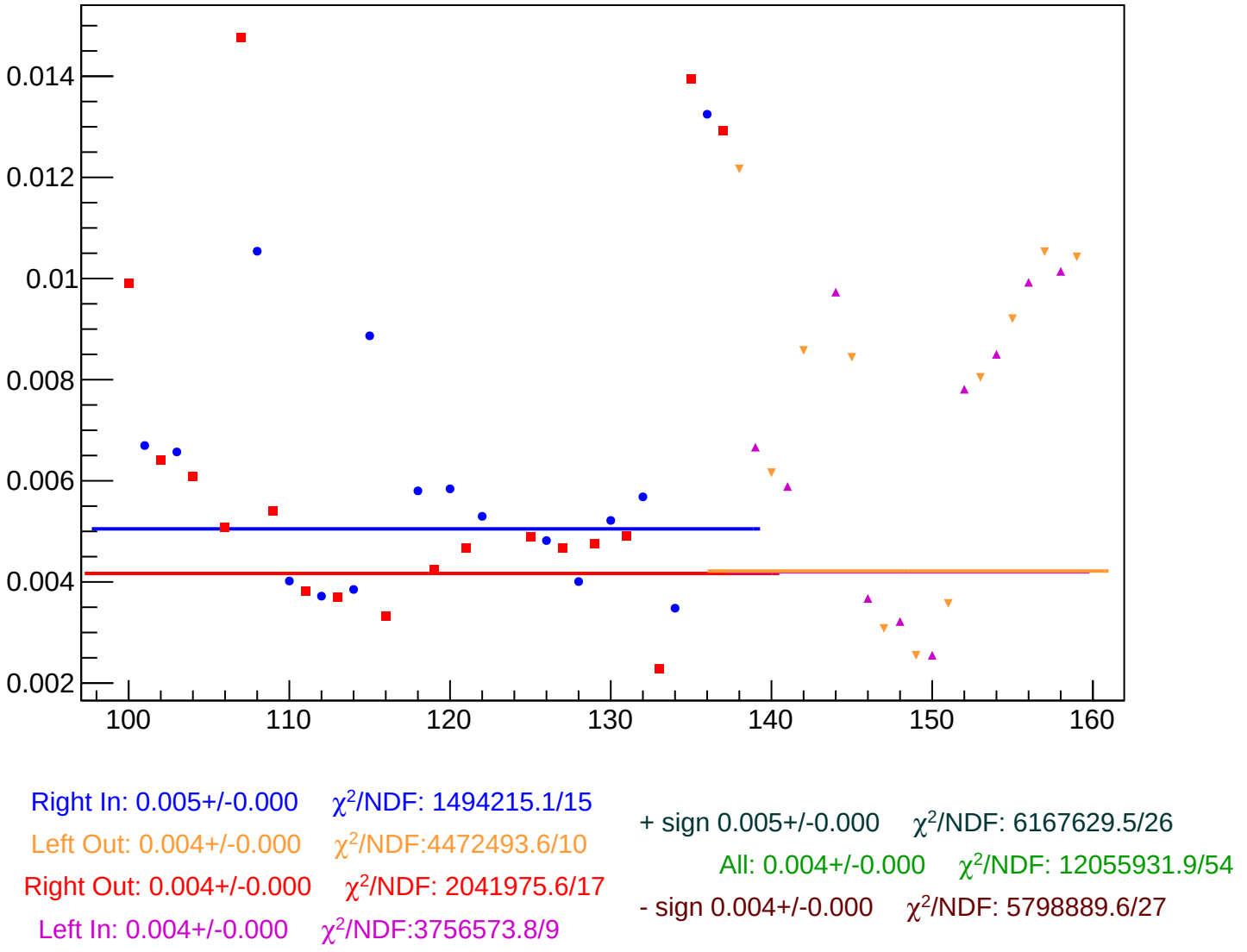
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.2/9

+ sign -0.000+/-0.000 χ^2/NDF: 43.5/26

All: -0.000+/-0.000 χ^2/NDF: 78.6/54

- sign 0.000+/-0.000 χ^2/NDF: 26.3/27


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
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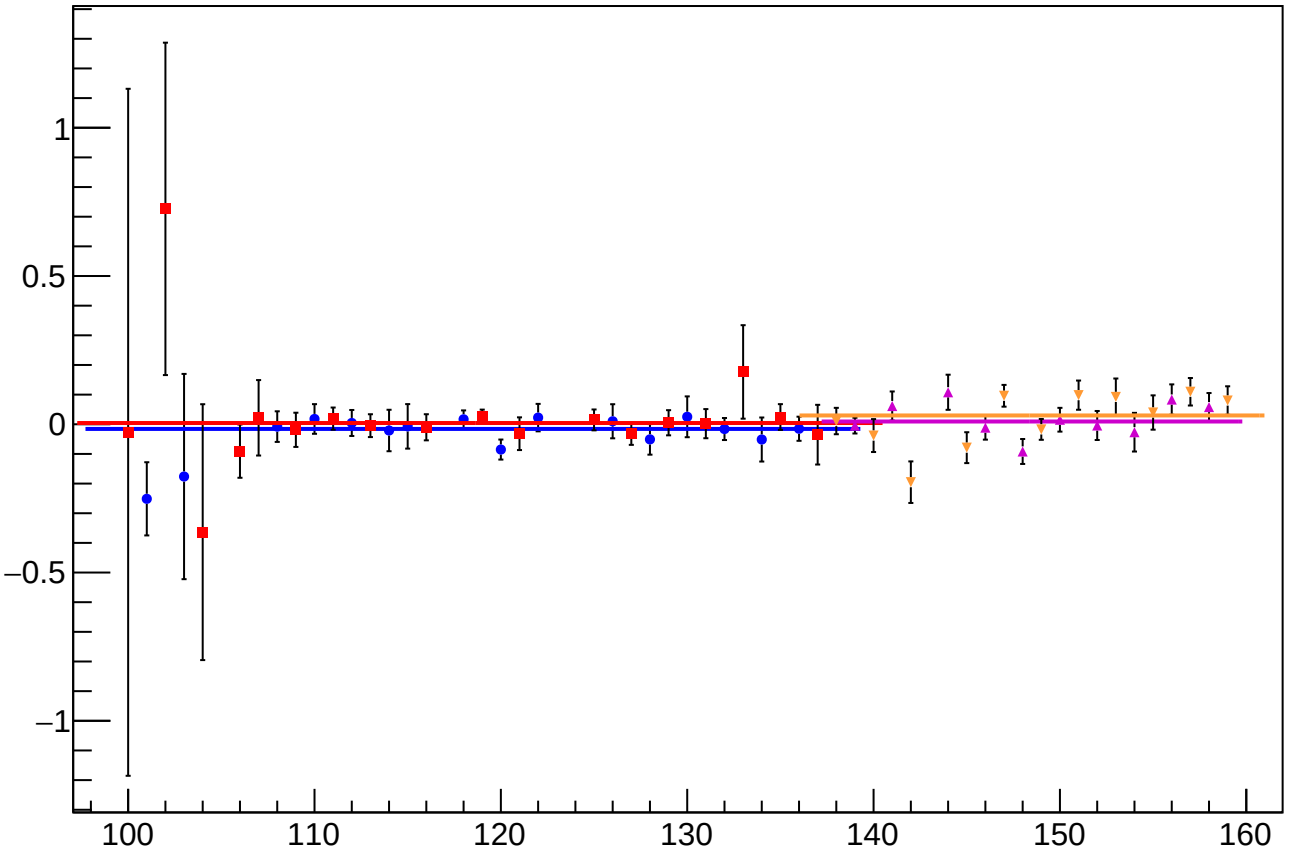
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.004+/-0.000 χ²/NDF:4472493.6/10
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.004+/-0.000 χ²/NDF:3756573.8/9
+ sign 0.005+/-0.000 χ²/NDF: 6167629.5/26
All: 0.004+/-0.000 χ²/NDF: 12055931.9/54
- sign 0.004+/-0.000 χ²/NDF: 5798889.6/27



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.014 χ^2/NDF:28.4/10

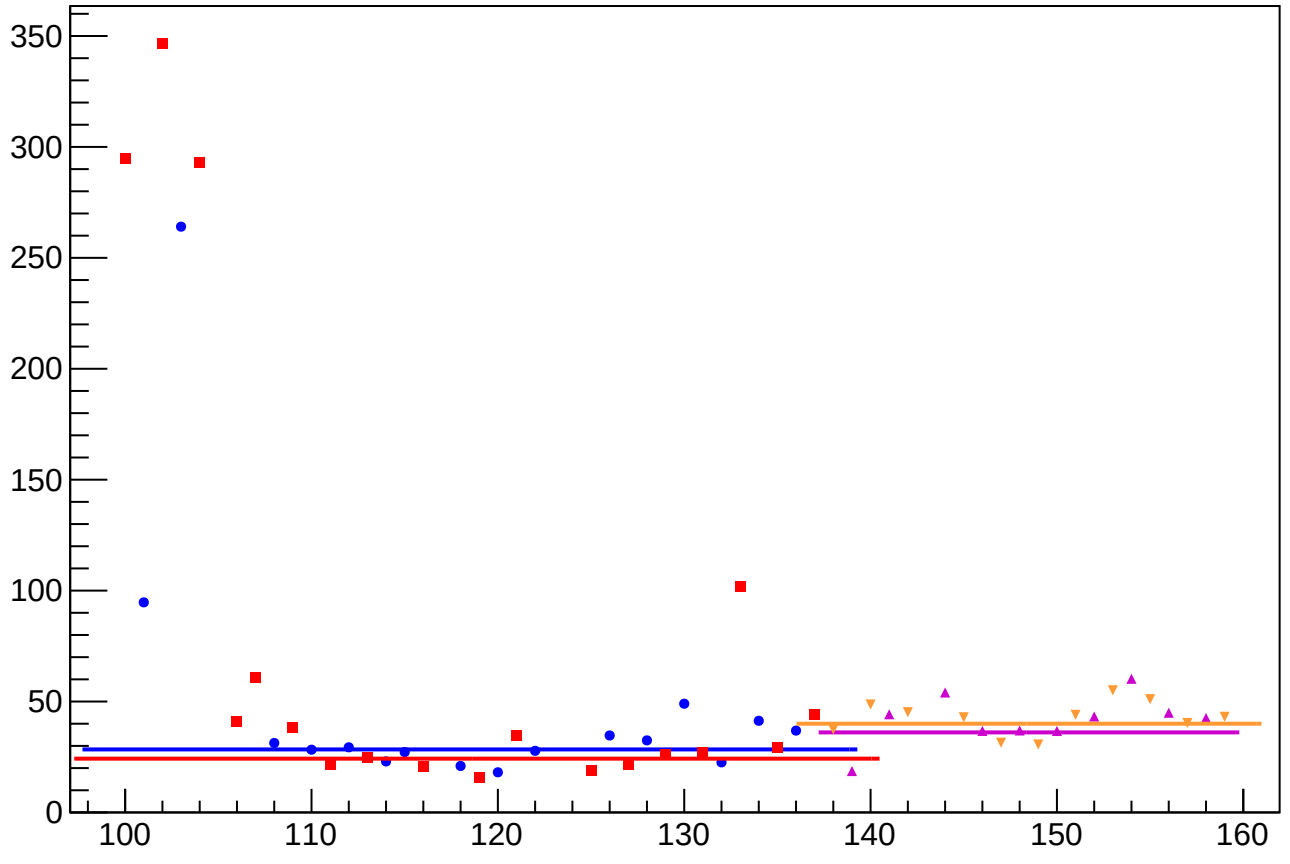
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.009+/-0.014 χ^2/NDF:13.8/9

+ sign 0.003+/-0.009 χ^2/NDF: 46.1/26

All: 0.005+/-0.006 χ^2/NDF: 67.8/54

- sign 0.006+/-0.009 χ^2/NDF: 21.7/27



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 40.006+/-0.010 χ^2/NDF:536207.9/10

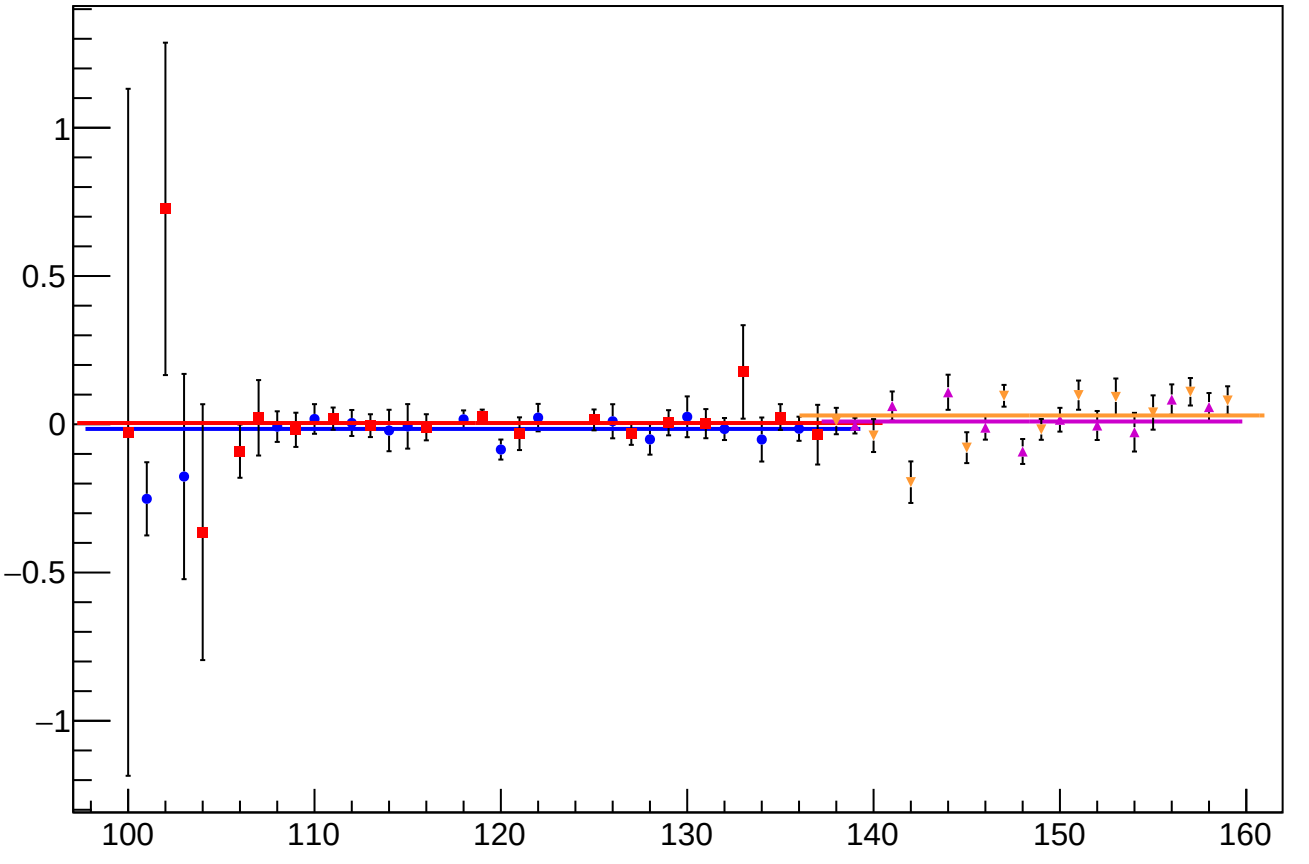
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.089+/-0.010 χ^2/NDF:1522407.8/9

\+ sign 33.305+/-0.007 χ^2/NDF: 3531212.0/26

All: 31.092+/-0.005 χ^2/NDF: 9063990.0/54

\- sign 29.155+/-0.006 χ^2/NDF: 5322906.6/27



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.014 χ^2/NDF:28.4/10

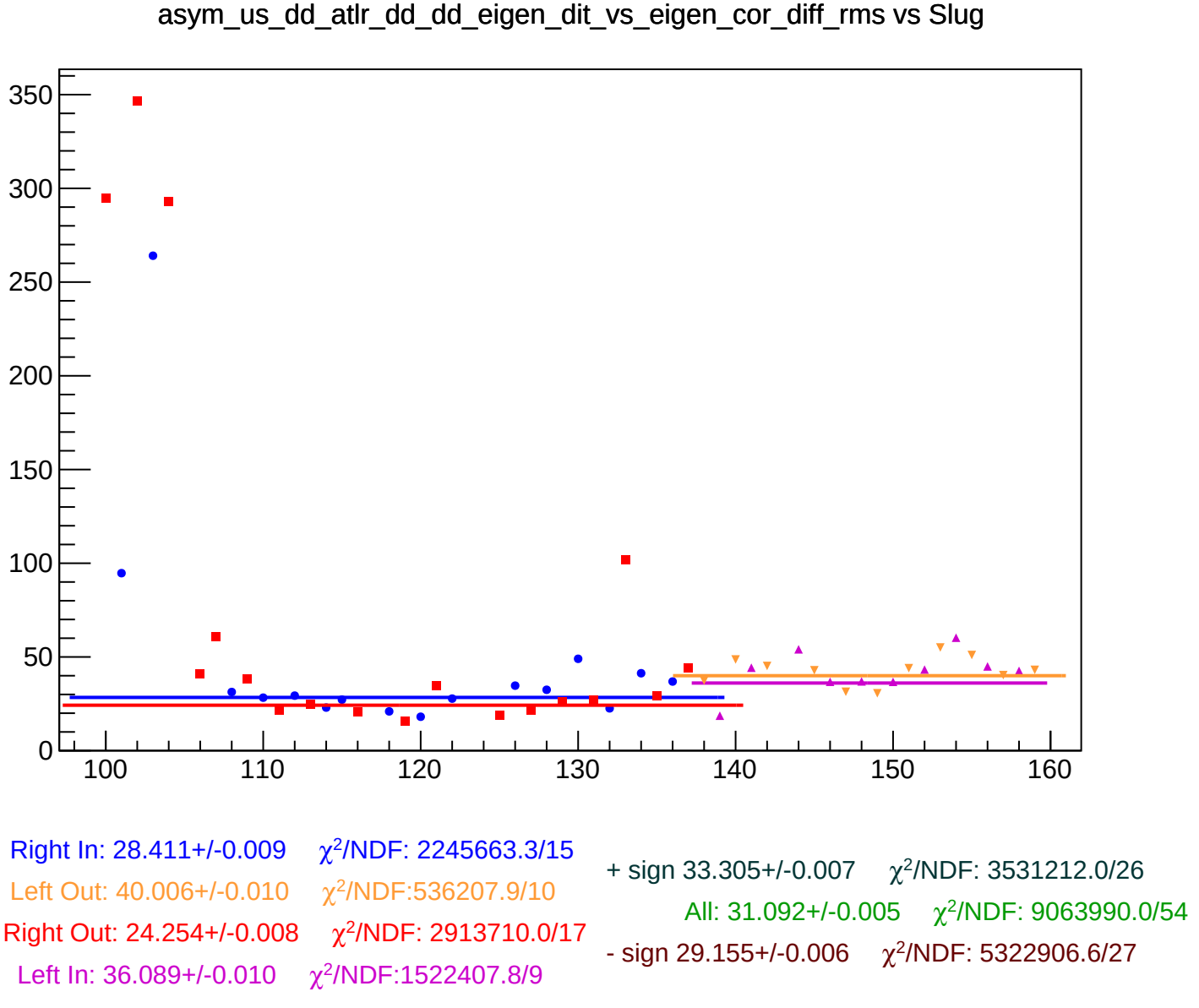
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.009+/-0.014 χ^2/NDF:13.8/9

+ sign 0.003+/-0.009 χ^2/NDF: 46.1/26

All: 0.005+/-0.006 χ^2/NDF: 67.8/54

- sign 0.006+/-0.009 χ^2/NDF: 21.7/27


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
300
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200
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100
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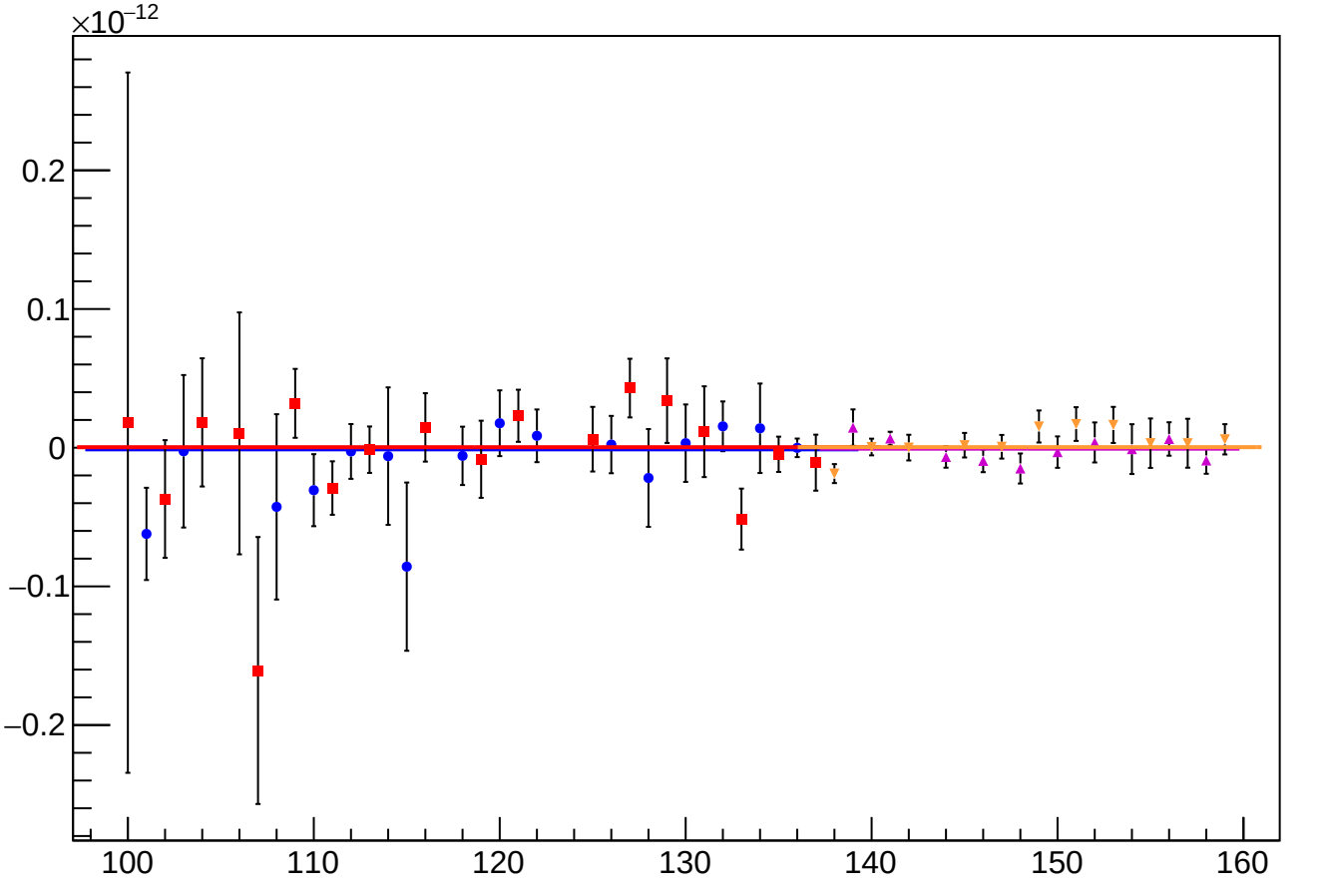
100
110
120
130
140
150
160
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 40.006+/-0.010 χ²/NDF:536207.9/10
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 36.089+/-0.010 χ²/NDF:1522407.8/9
+ sign 33.305+/-0.007 χ²/NDF: 3531212.0/26
All: 31.092+/-0.005 χ²/NDF: 9063990.0/54
- sign 29.155+/-0.006 χ²/NDF: 5322906.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/10

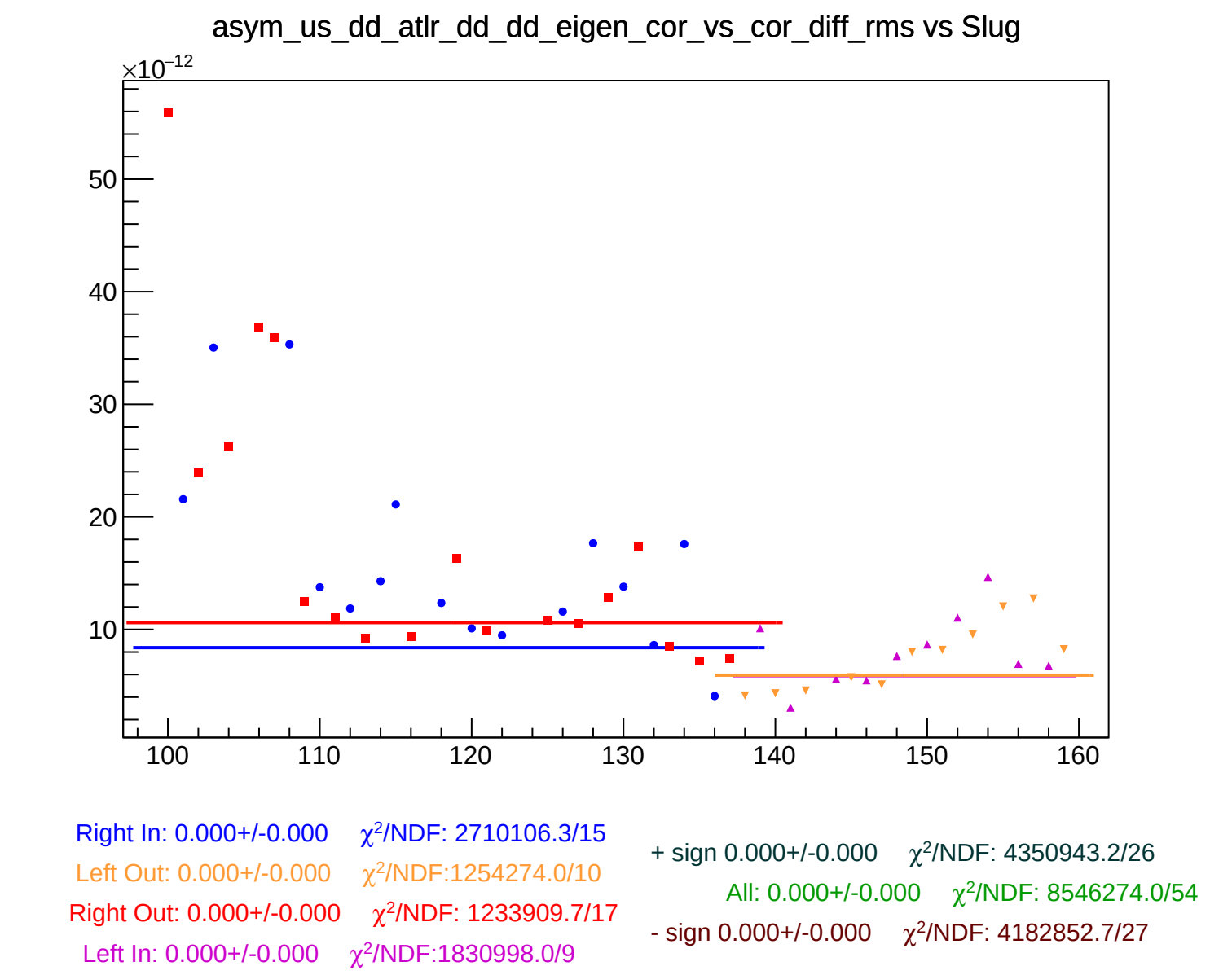
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:8.4/9

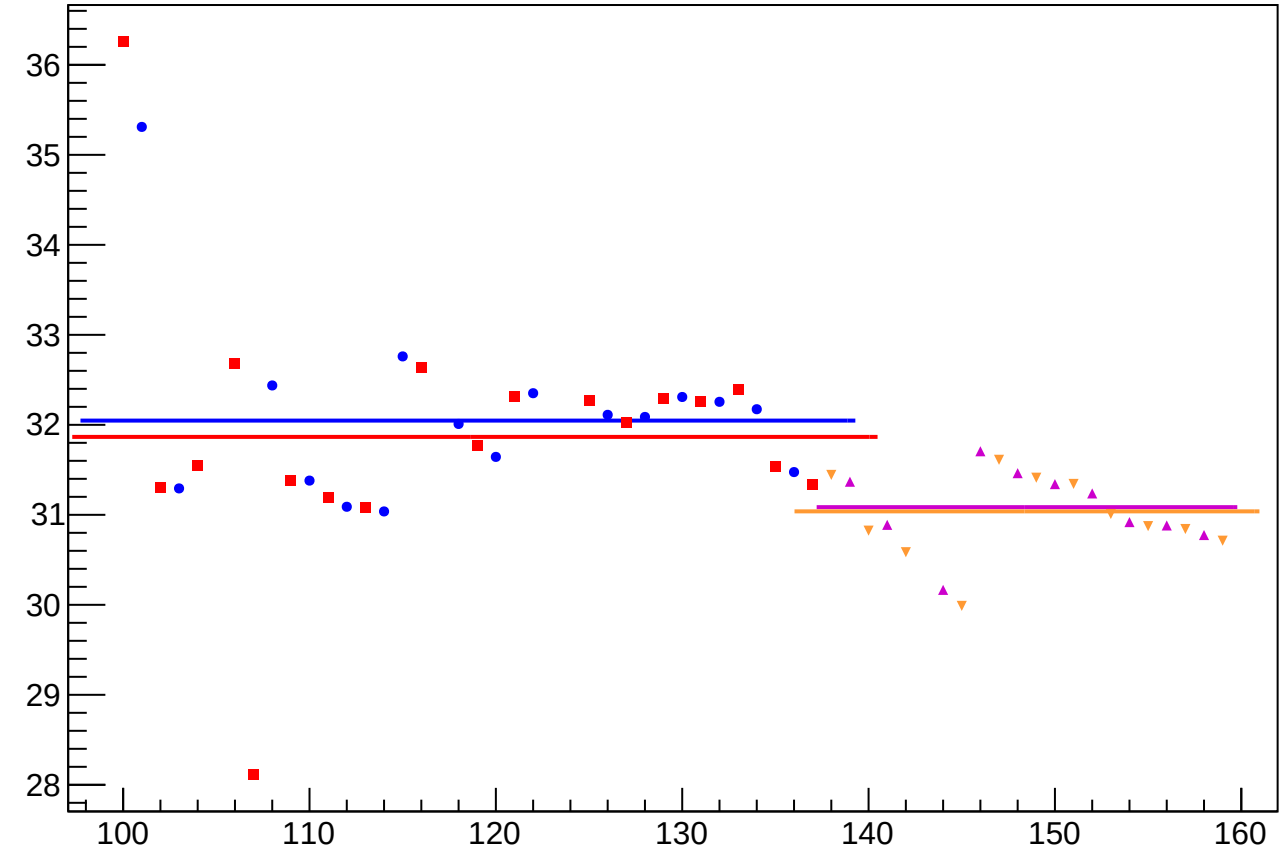
+ sign -0.000+/-0.000 χ^2/NDF: 22.7/26

All: -0.000+/-0.000 χ^2/NDF: 52.2/54

- sign -0.000+/-0.000 χ^2/NDF: 29.5/27


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:1830998.0/9
+ sign 0.000+/-0.000 χ²/NDF: 4350943.2/26
All: 0.000+/-0.000 χ²/NDF: 8546274.0/54
- sign 0.000+/-0.000 χ²/NDF: 4182852.7/27

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

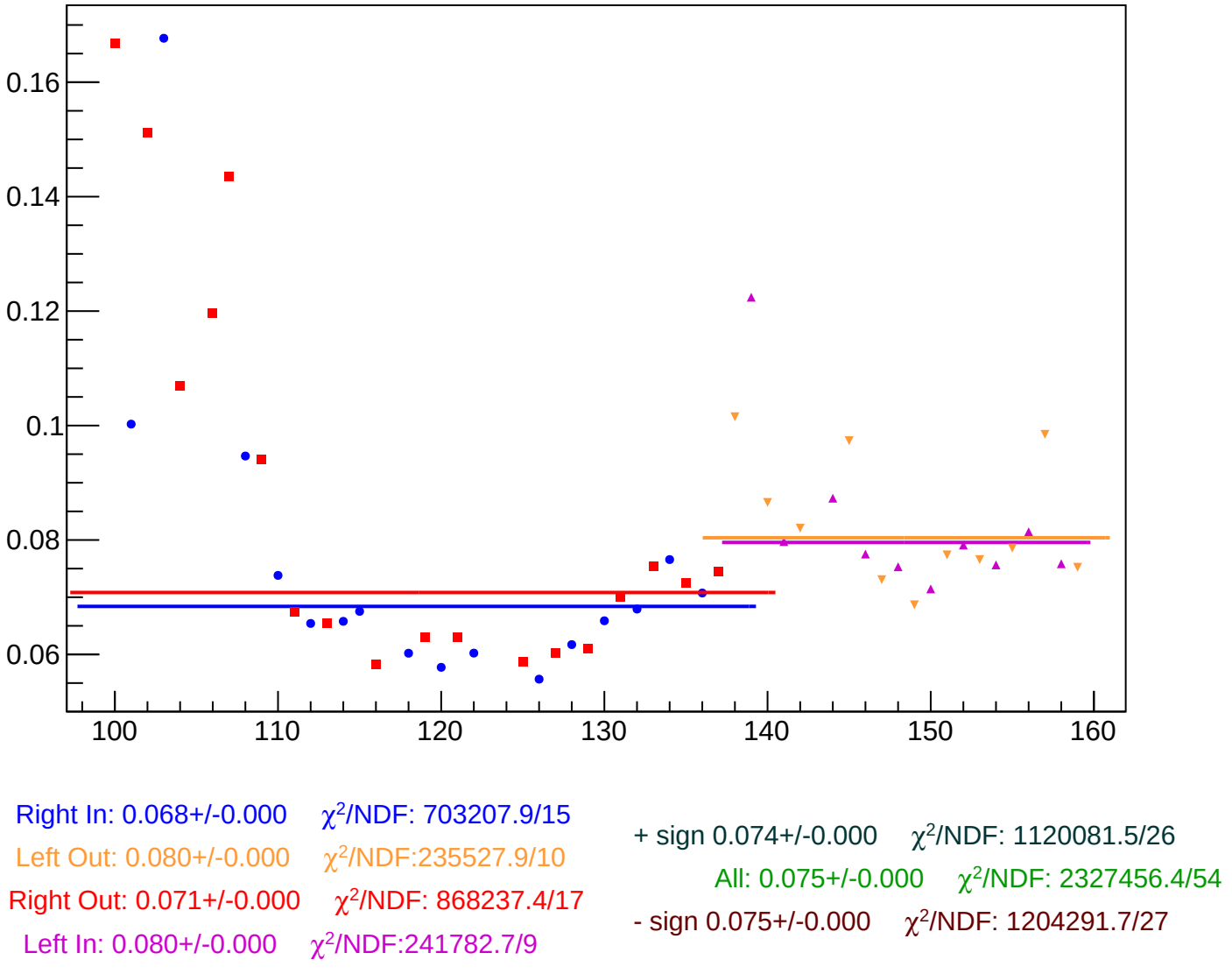
Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.085+/-0.000 χ^2/NDF:202771315.2/9

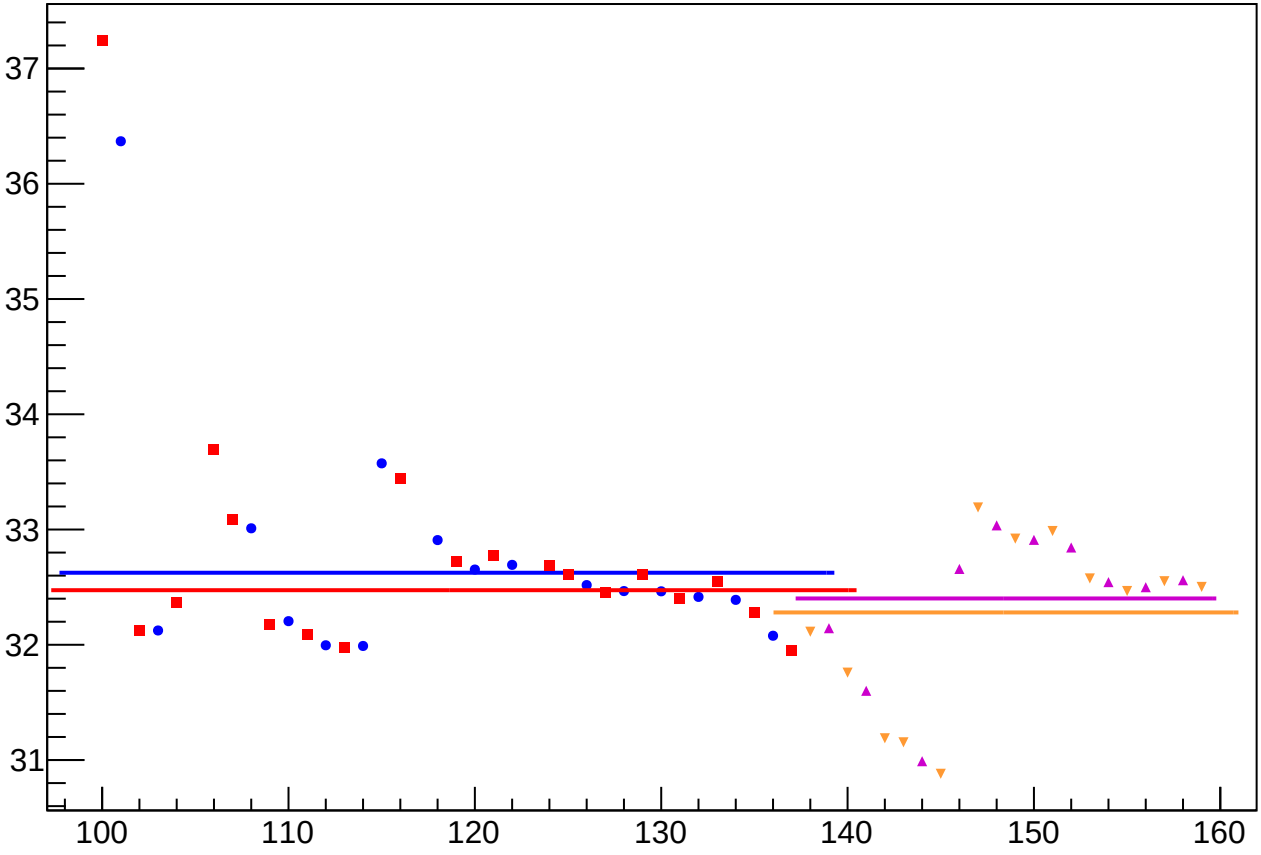
+ sign 31.572+/-0.000 χ^2/NDF: 1753919257.3/26

All: 31.526+/-0.000 χ^2/NDF: 2828167411.4/5

- sign 31.479+/-0.000 χ^2/NDF: 1063557381.2/27


yield_usl_rms vs Slug
0.16
0.14
0.12
0.1
0.08
0.06
100
110
120
130
140
150
160
Right In: 0.068+/-0.000 χ²/NDF: 703207.9/15
Left Out: 0.080+/-0.000 χ²/NDF:235527.9/10
Right Out: 0.071+/-0.000 χ²/NDF: 868237.4/17
Left In: 0.080+/-0.000 χ²/NDF:241782.7/9
+ sign 0.074+/-0.000 χ²/NDF: 1120081.5/26
All: 0.075+/-0.000 χ²/NDF: 2327456.4/54
- sign 0.075+/-0.000 χ²/NDF: 1204291.7/27

yield_usr_mean vs Slug



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

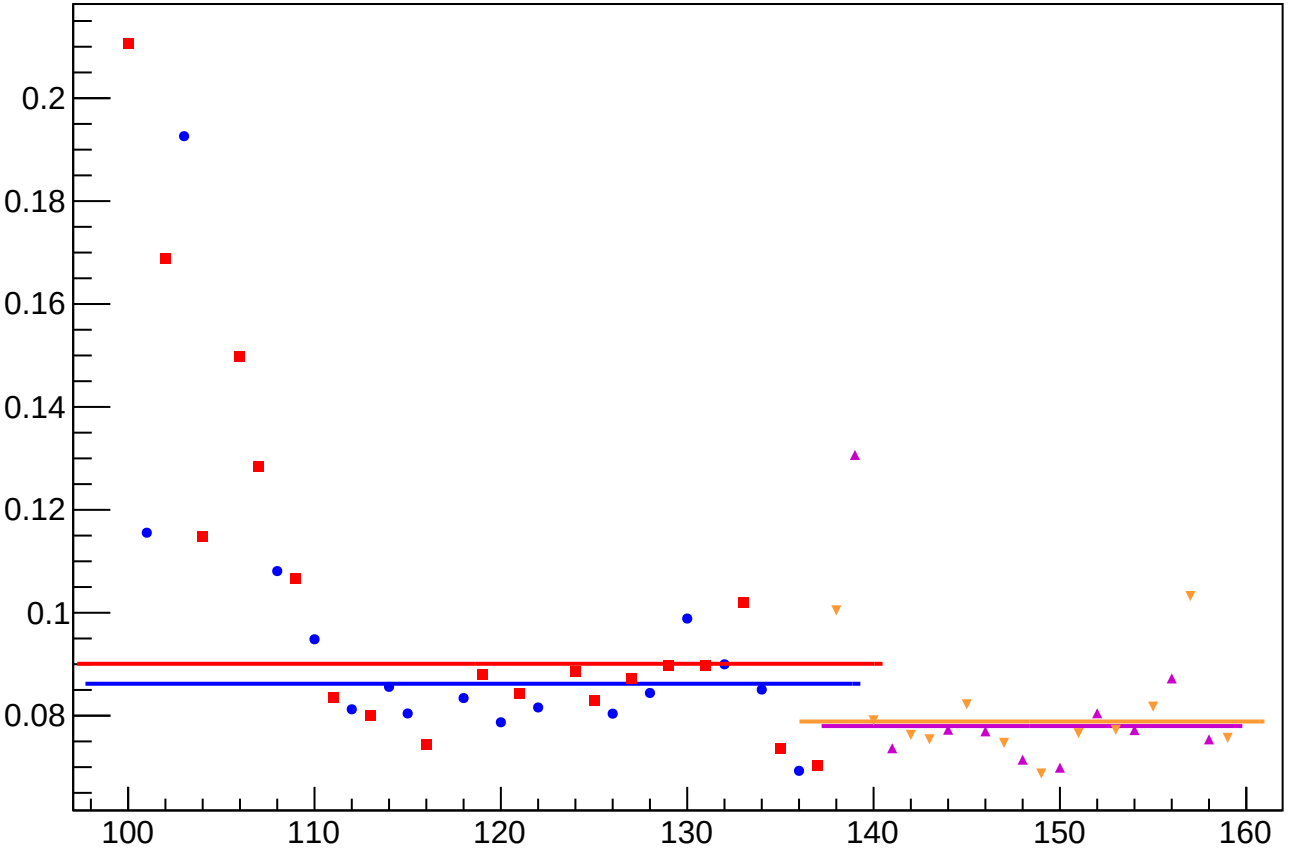
Left In: 32.402+/-0.000 χ^2/NDF:518399289.3/9

+ sign 32.412+/-0.000 χ^2/NDF: 1555765602.6/27

All: 32.420+/-0.000 χ^2/NDF: 2233804294.7/5

- sign 32.429+/-0.000 χ^2/NDF: 677730592.4/28

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

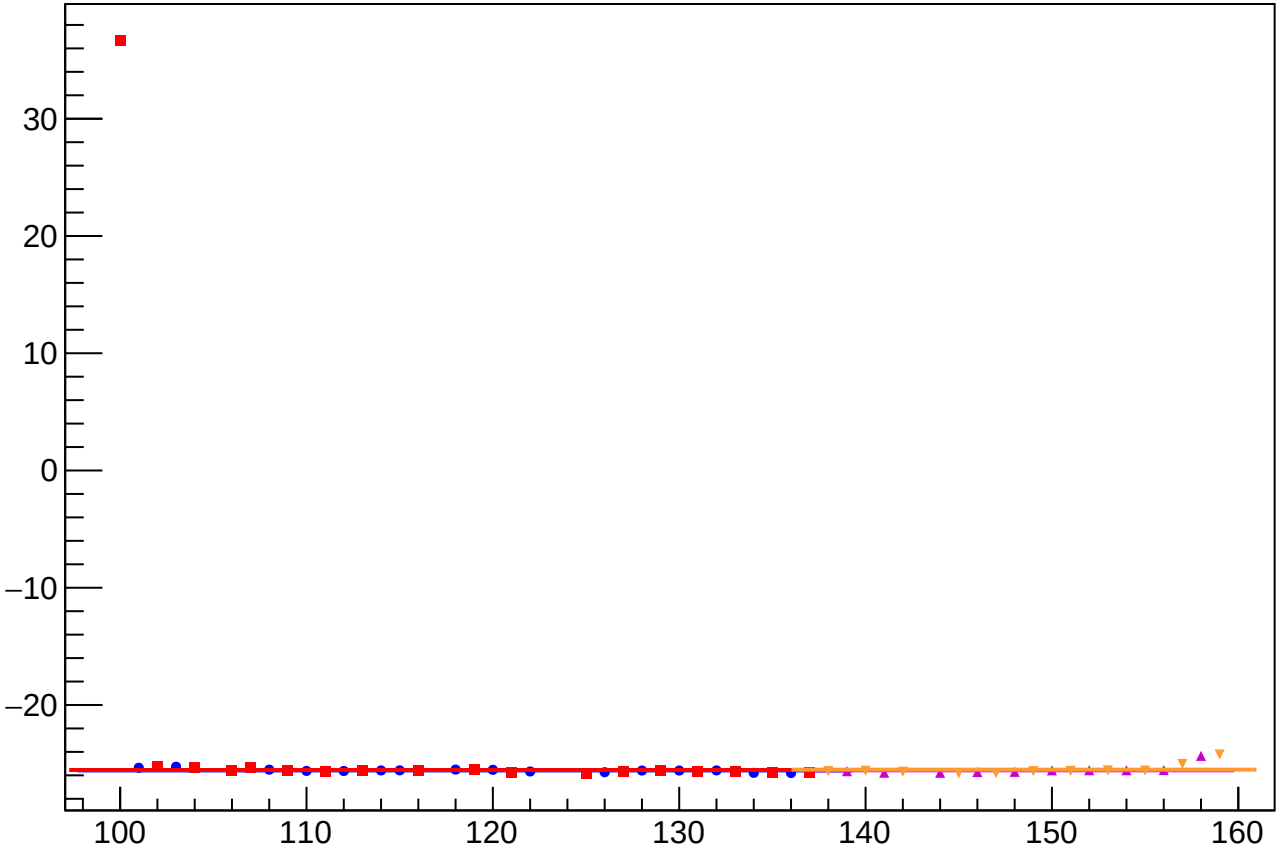
Left In: 0.078+/-0.000 χ^2/NDF:326744.0/9

+ sign 0.082+/-0.000 χ^2/NDF: 849531.6/27

All: 0.082+/-0.000 χ^2/NDF: 1944078.0/56

- sign 0.083+/-0.000 χ^2/NDF: 1092761.3/28

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

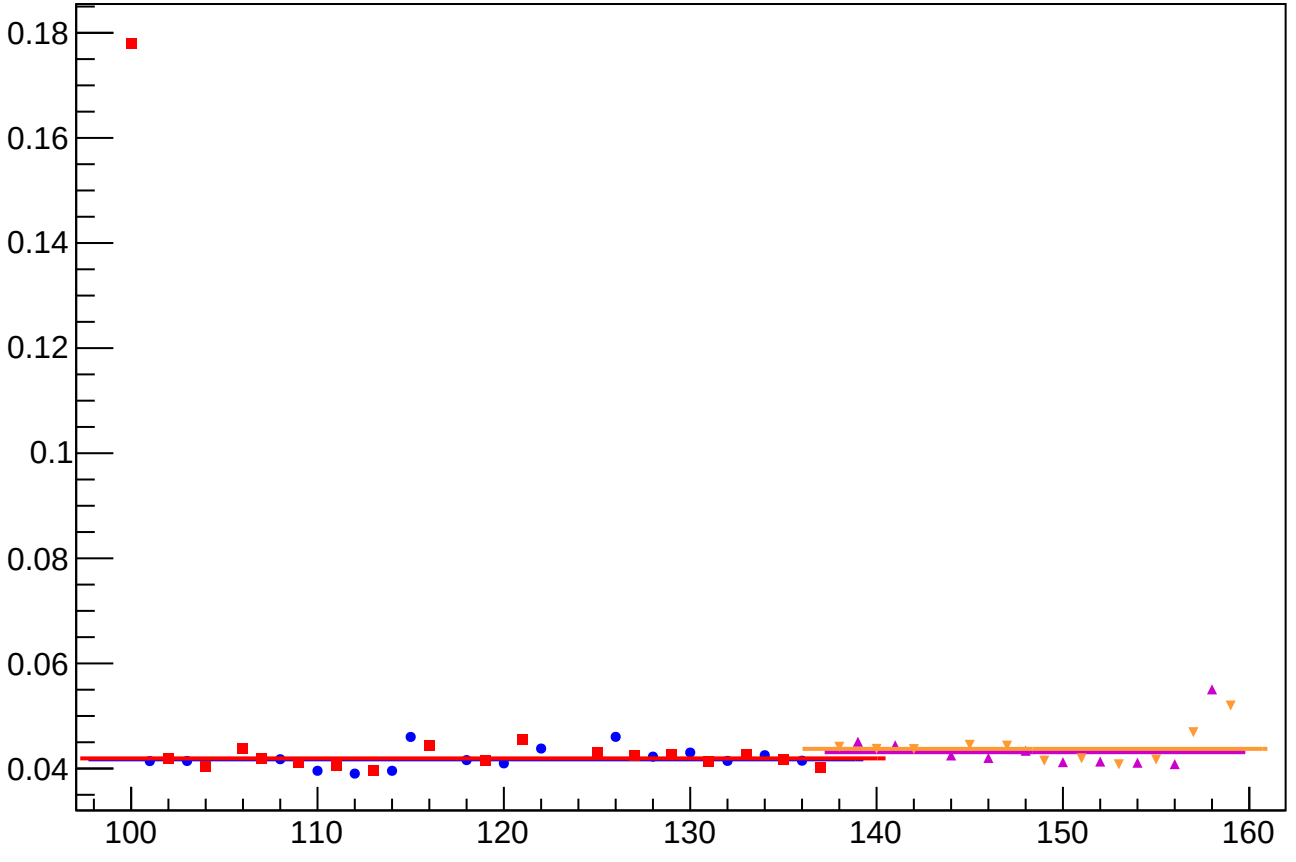
Left In: -25.569+/-0.000 χ^2/NDF:487355343.0/9

+ sign -25.545+/-0.000 χ^2/NDF: 811459743.7/26

All: -25.551+/-0.000 χ^2/NDF: 10208372739.1

- sign -25.557+/-0.000 χ^2/NDF: 9396251630.0/27

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

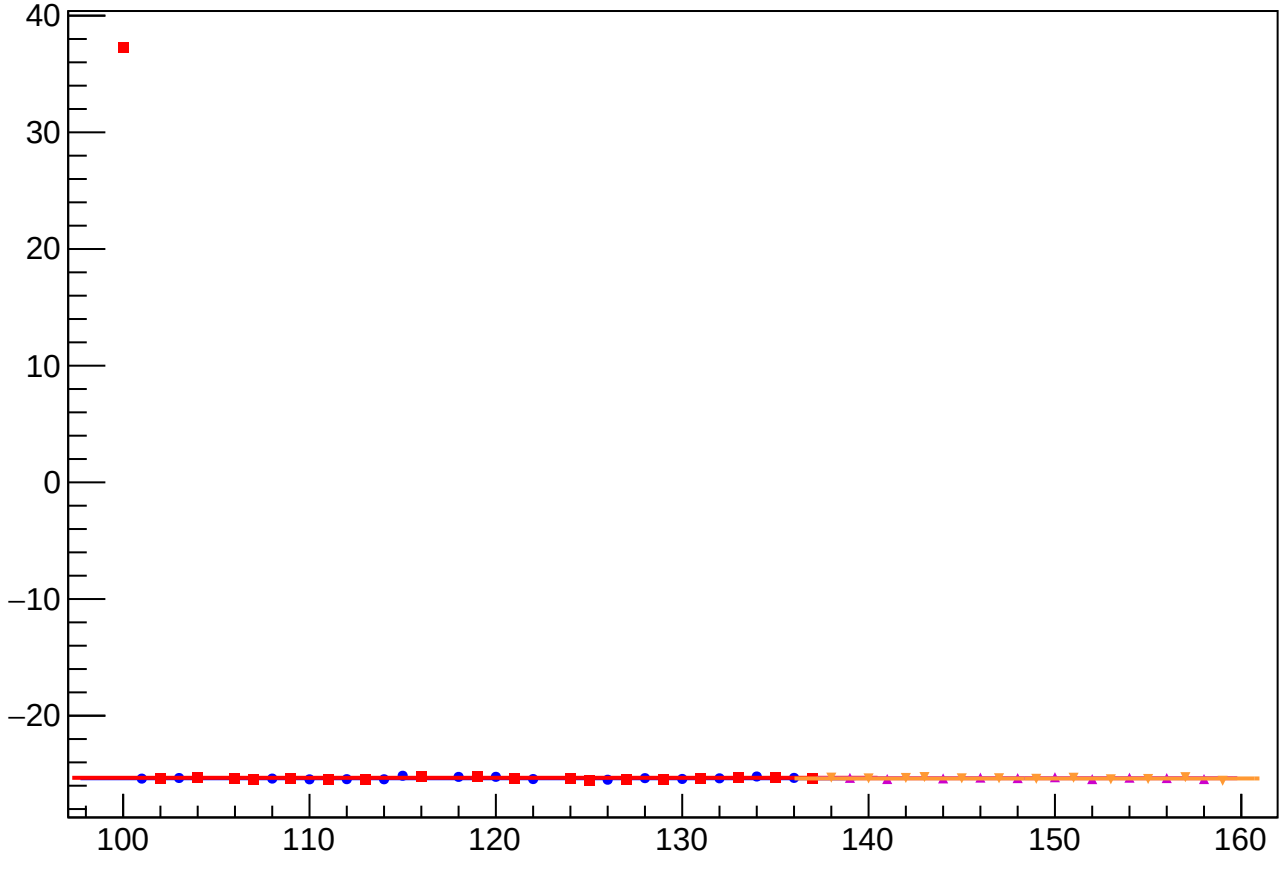
Left In: 0.043+/-0.000 χ^2/NDF:102643.9/9

+ sign 0.043+/-0.000 χ^2/NDF: 107792.1/26

All: 0.043+/-0.000 χ^2/NDF: 317117.0/54

- sign 0.043+/-0.000 χ^2/NDF: 208840.0/27

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

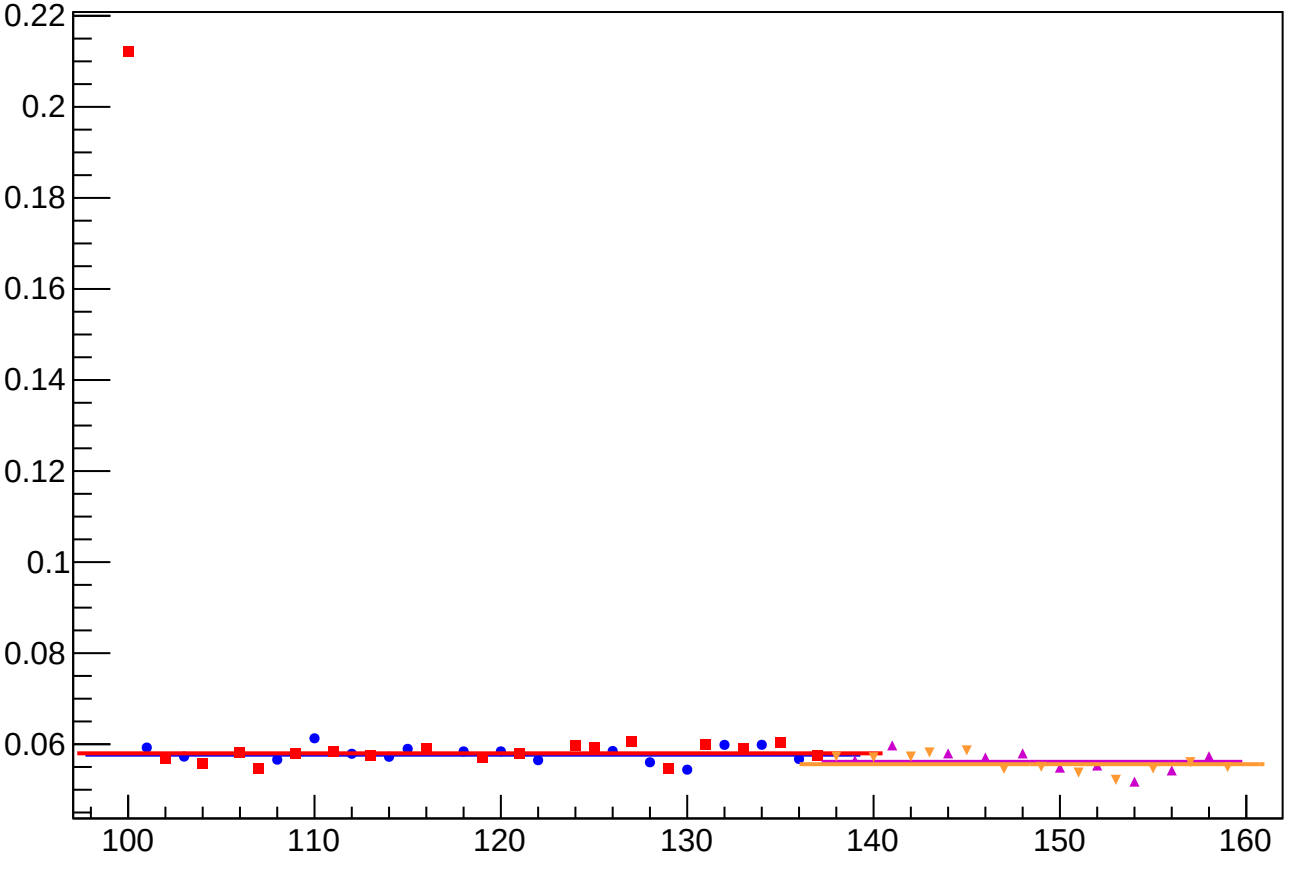
Left In: -25.354+/-0.000 χ^2/NDF:7925700.0/9

\+ sign -25.371+/-0.000 χ^2/NDF: 35686389.4/27

All: -25.356+/-0.000 χ^2/NDF: 6362087154.8/

\- sign -25.340+/-0.000 χ^2/NDF: 6324041075.6/28

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

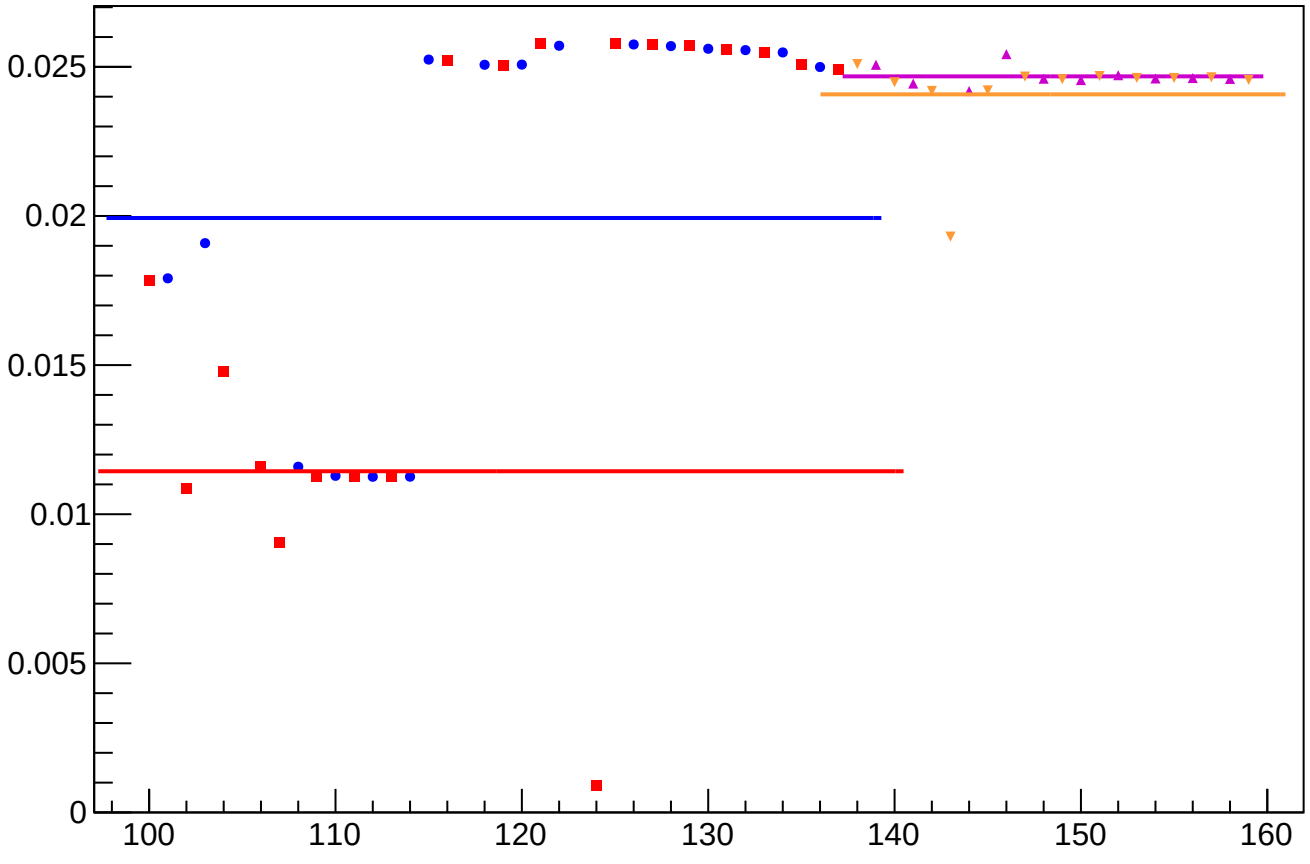
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26188.7/9

+ sign 0.056+/-0.000 χ^2/NDF: 43357.7/27

All: 0.057+/-0.000 χ^2/NDF: 167726.5/56

- sign 0.057+/-0.000 χ^2/NDF: 123204.2/28



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

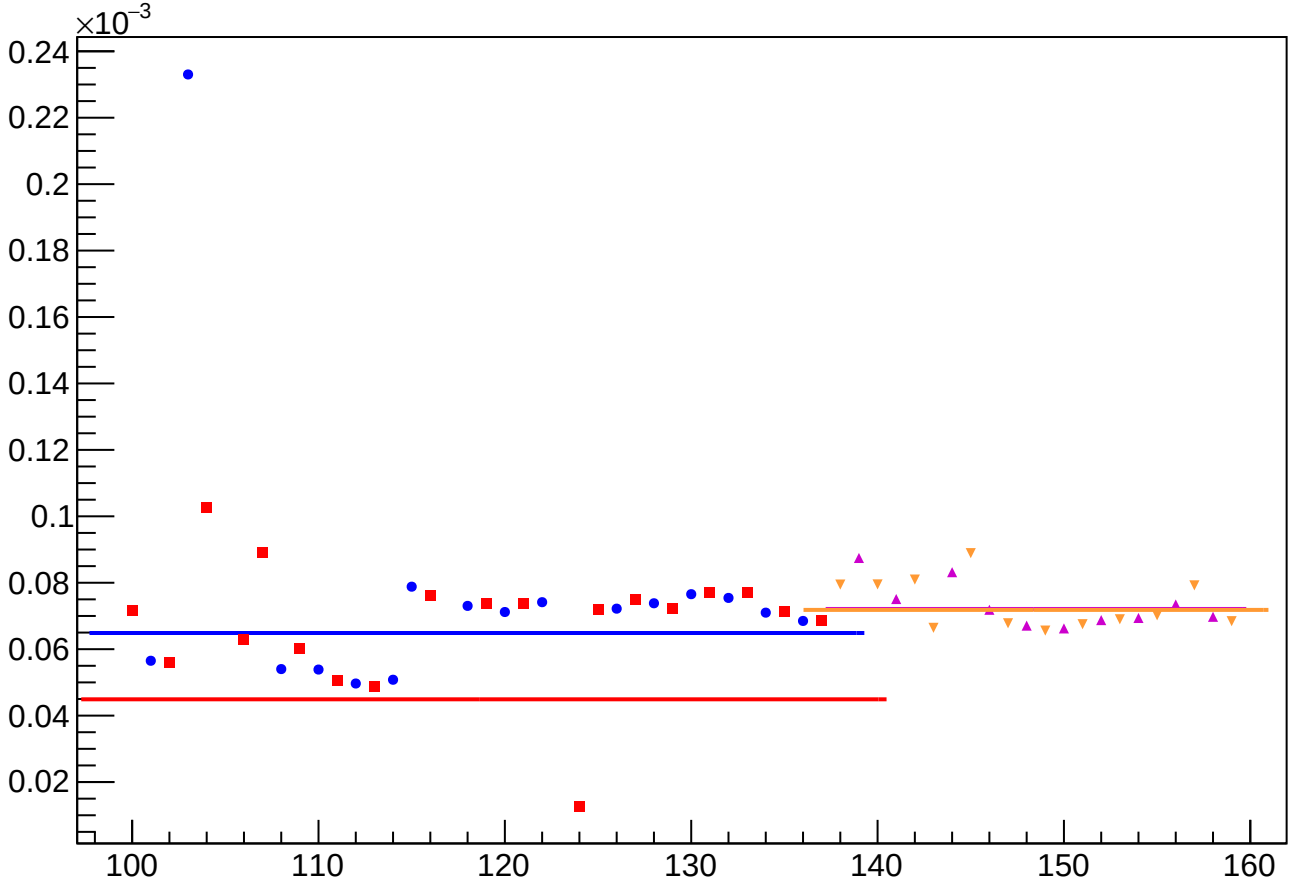
Left In: 0.025+/-0.000 χ^2/NDF:156101656.5/9

+ sign 0.022+/-0.000 χ^2/NDF: 81337364473.8/27

All: 0.019+/-0.000 χ^2/NDF: 564938974812.6

- sign 0.017+/-0.000 χ^2/NDF: 427363547235.8/28

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

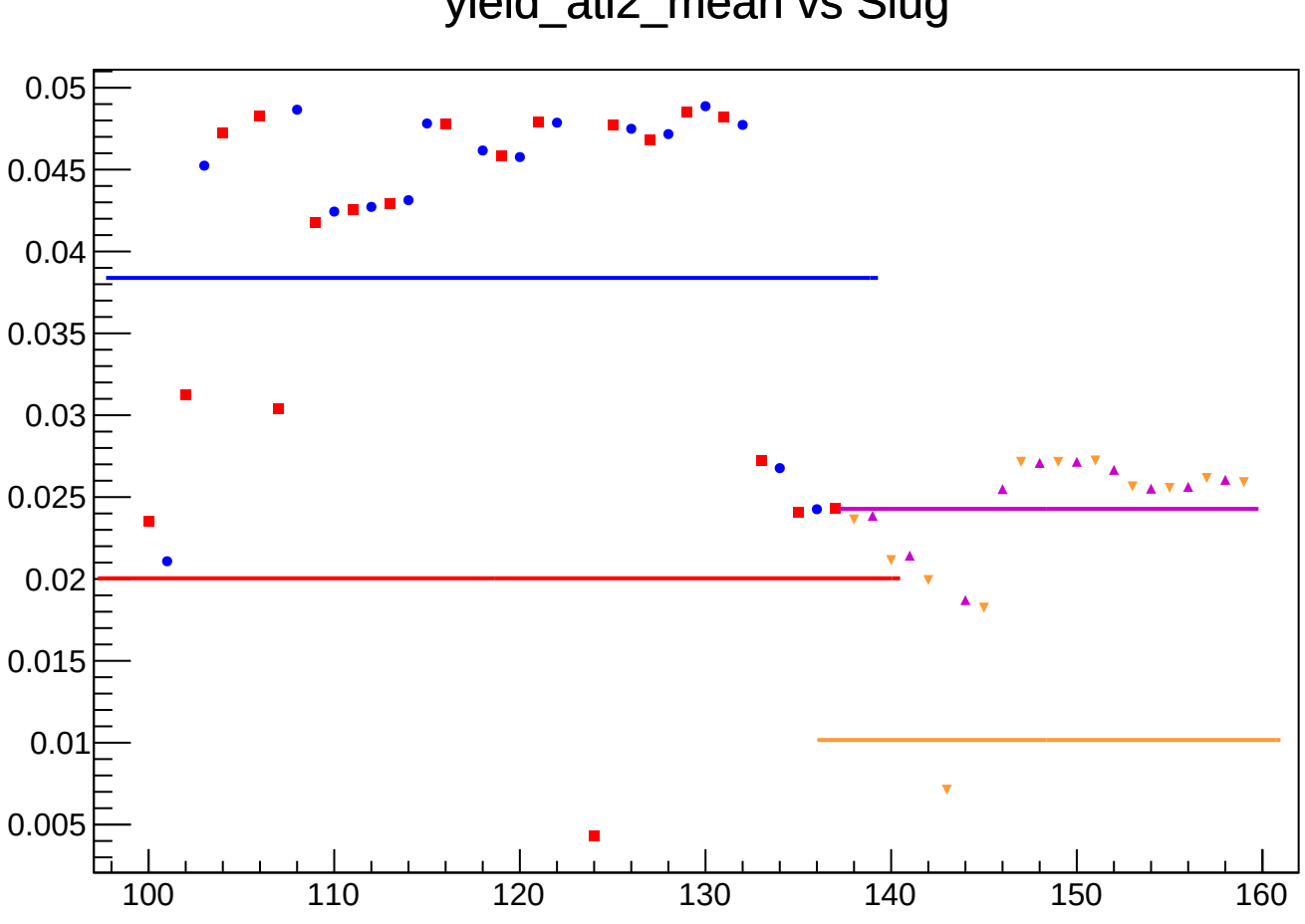
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:115522.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 1053408.2/27

All: 0.000+/-0.000 χ^2/NDF: 7028671.4/56

- sign 0.000+/-0.000 χ^2/NDF: 5348608.5/28



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:23493386687.5/11

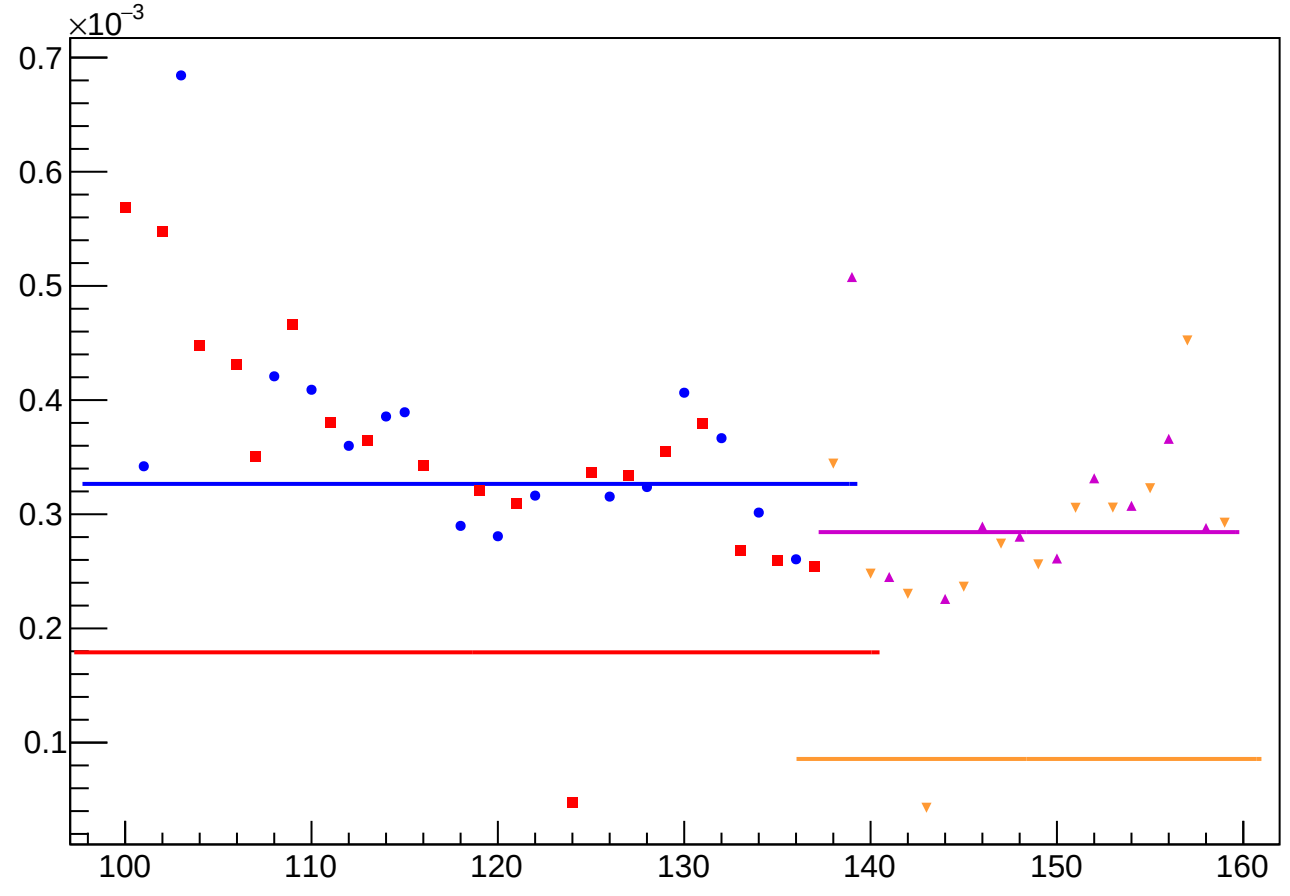
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.024+/-0.000 χ^2/NDF:883160233.8/9

+ sign 0.013+/-0.000 χ^2/NDF: 72981803539.3/27

All: 0.015+/-0.000 χ^2/NDF: 129496288047.8

- sign 0.022+/-0.000 χ^2/NDF: 44025187720.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9312857.9/11

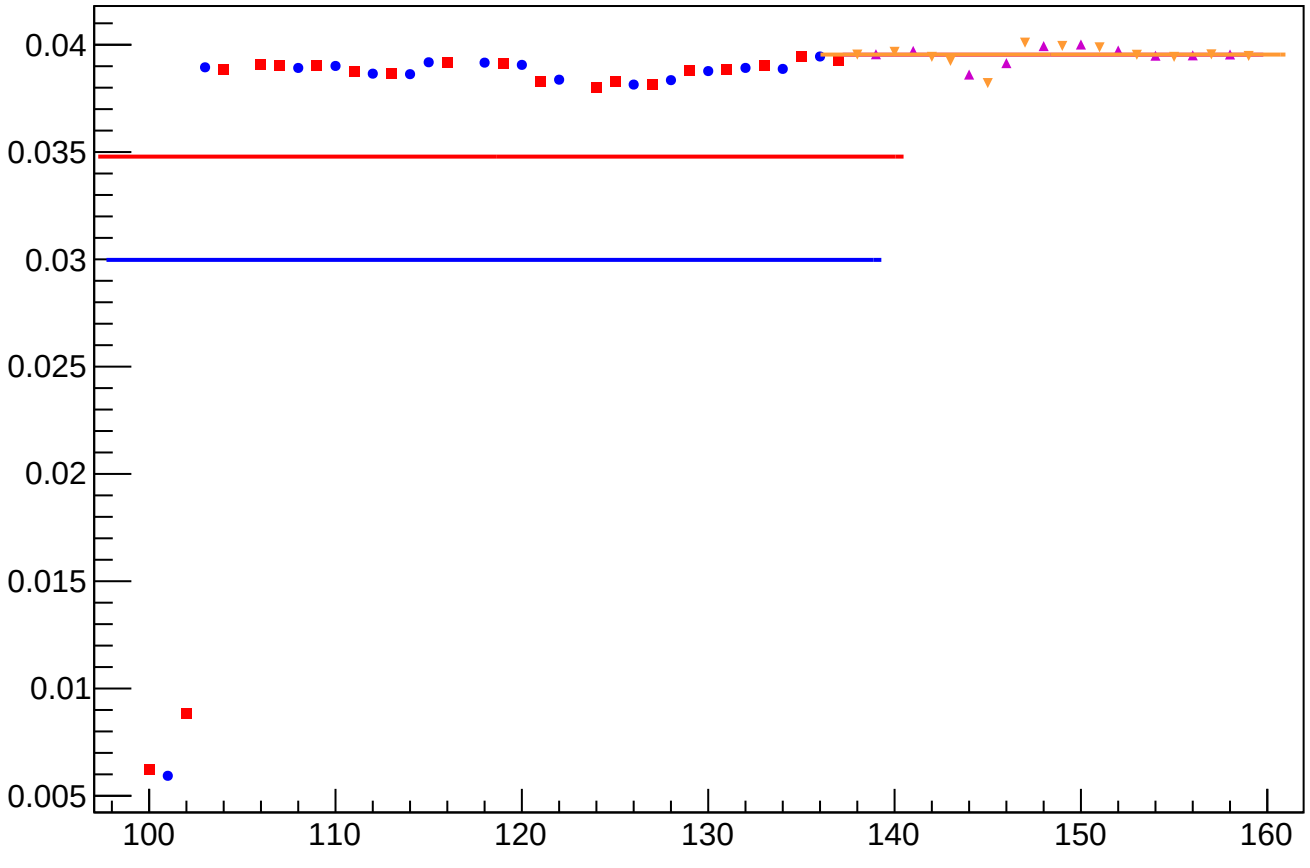
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:584249.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 16076411.1/27

All: 0.000+/-0.000 χ^2/NDF: 27684300.0/56

- sign 0.000+/-0.000 χ^2/NDF: 7423393.5/28



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:93084165.6/11

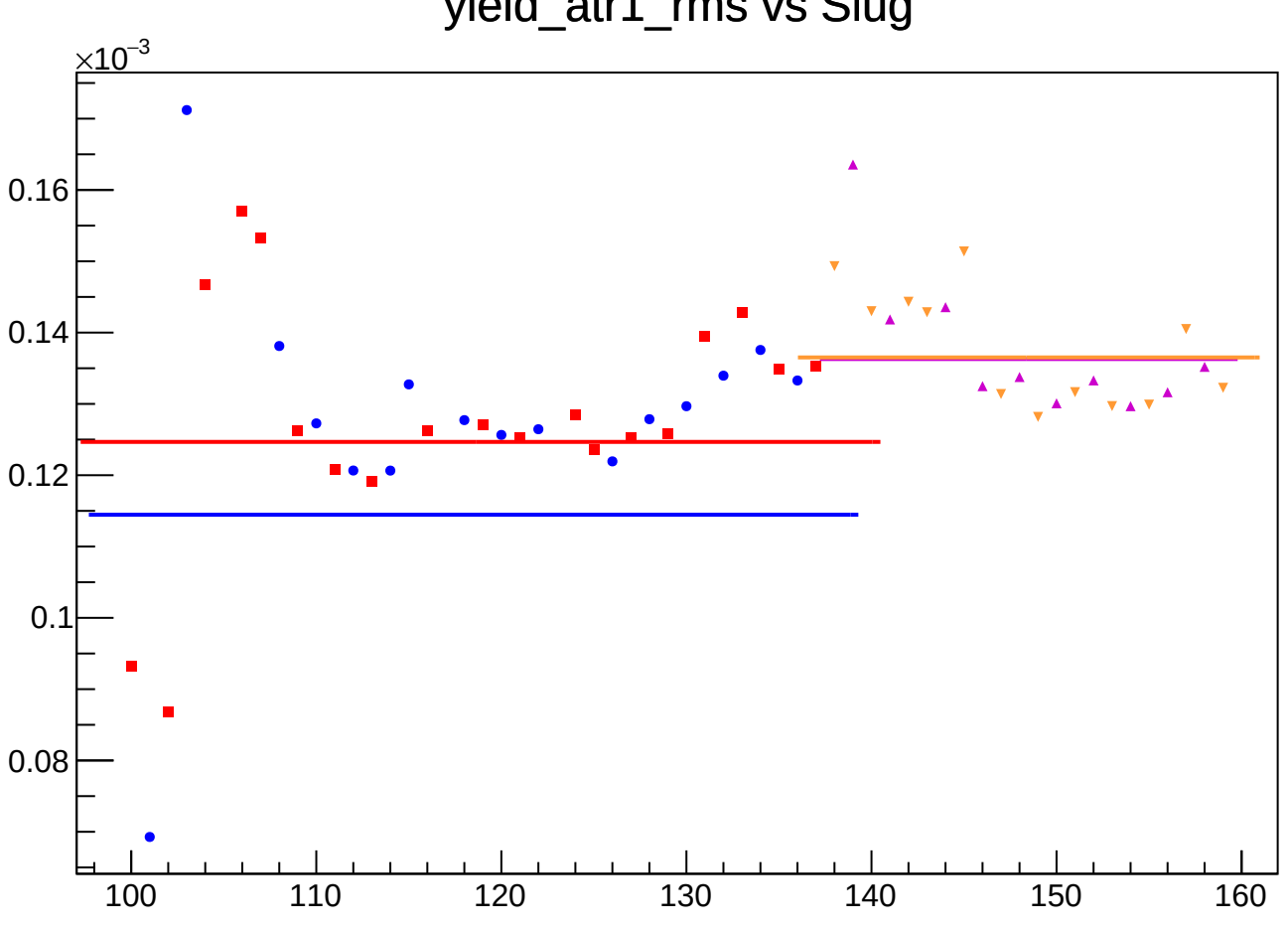
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65846393.8/9

+ sign 0.035+/-0.000 χ^2/NDF: 131282344587.9/27

All: 0.036+/-0.000 χ^2/NDF: 186620511958.4

- sign 0.037+/-0.000 χ^2/NDF: 52402793639.5/28



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

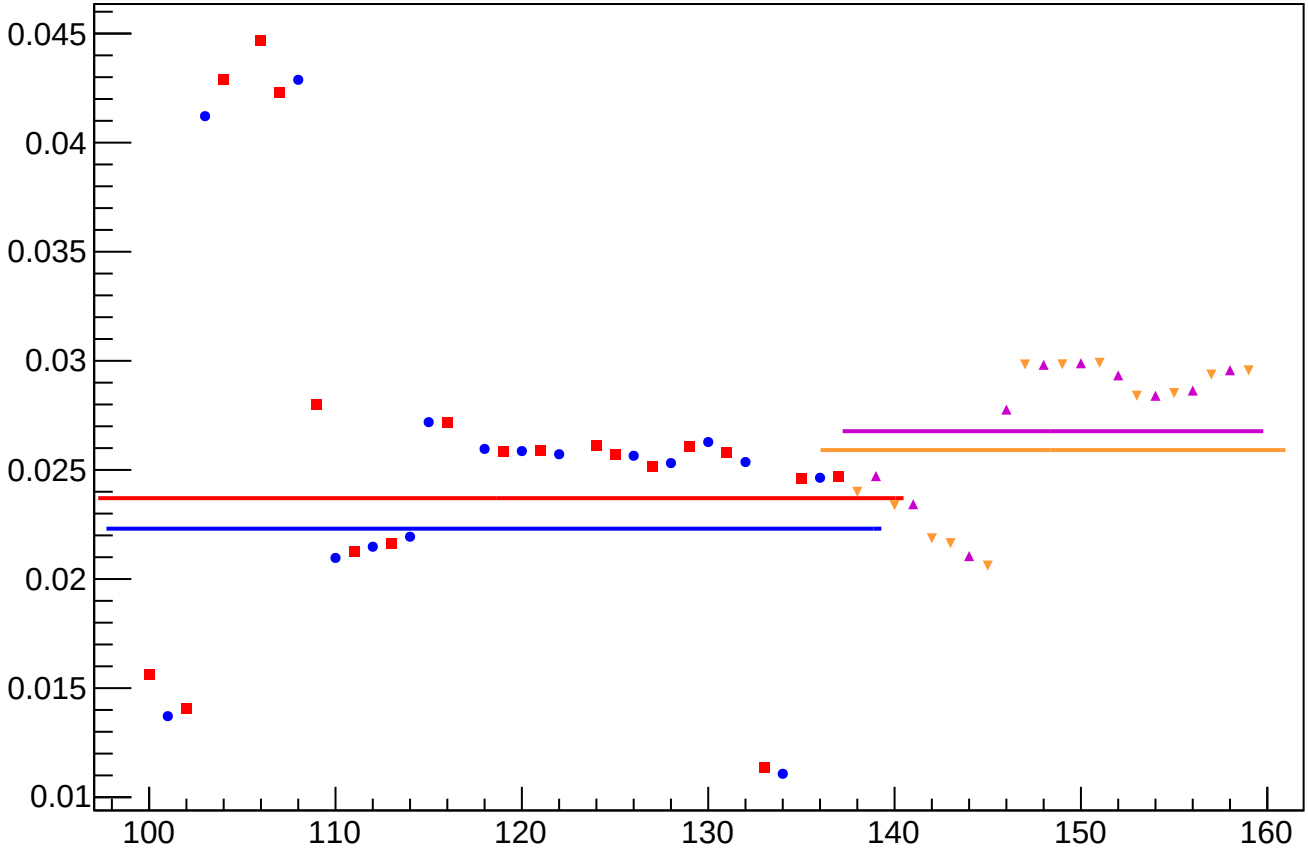
Left In: 0.000+/-0.000 χ^2/NDF:66410.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 1155037.7/27

All: 0.000+/-0.000 χ^2/NDF: 1568249.7/56

- sign 0.000+/-0.000 χ^2/NDF: 387610.2/28

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1623958657.9/11

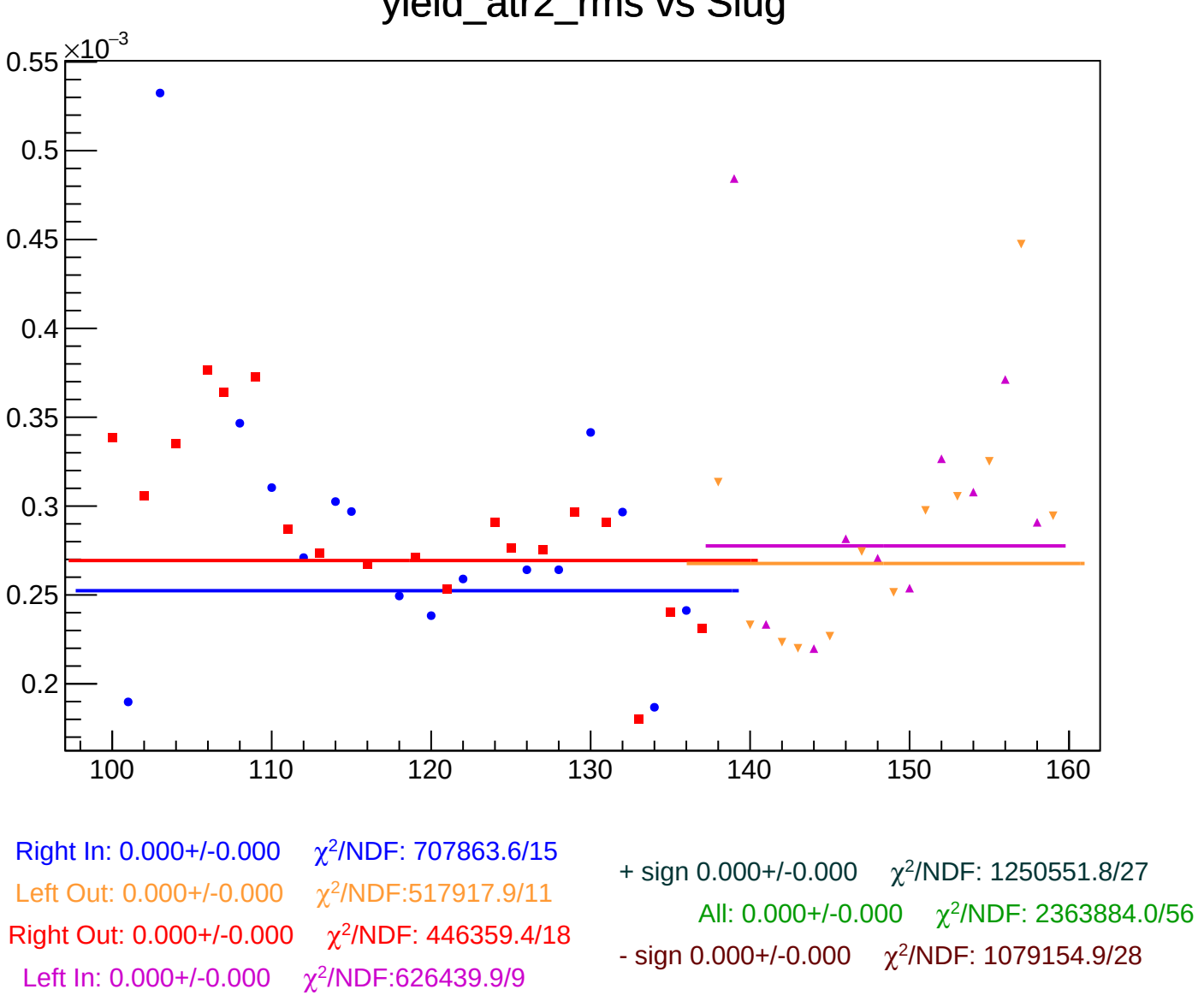
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

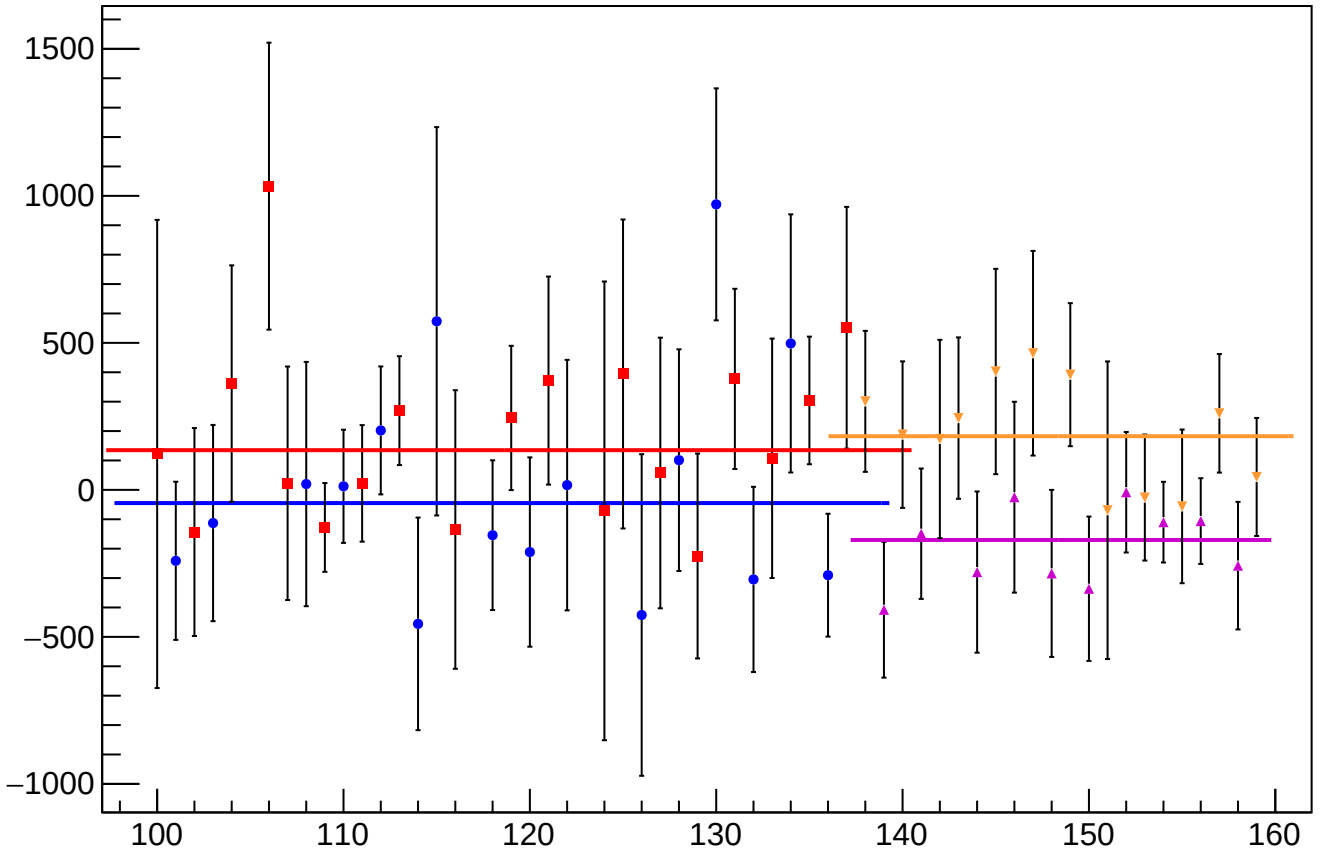
Left In: 0.027+/-0.000 χ^2/NDF:1128569141.1/9

+ sign 0.024+/-0.000 χ^2/NDF: 7321404231.6/27

All: 0.025+/-0.000 χ^2/NDF: 14590694410.0/5

- sign 0.025+/-0.000 χ^2/NDF: 7153226153.8/28


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:626439.9/9
+ sign 0.000+/-0.000 χ²/NDF: 1250551.8/27
All: 0.000+/-0.000 χ²/NDF: 2363884.0/56
- sign 0.000+/-0.000 χ²/NDF: 1079154.9/28



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

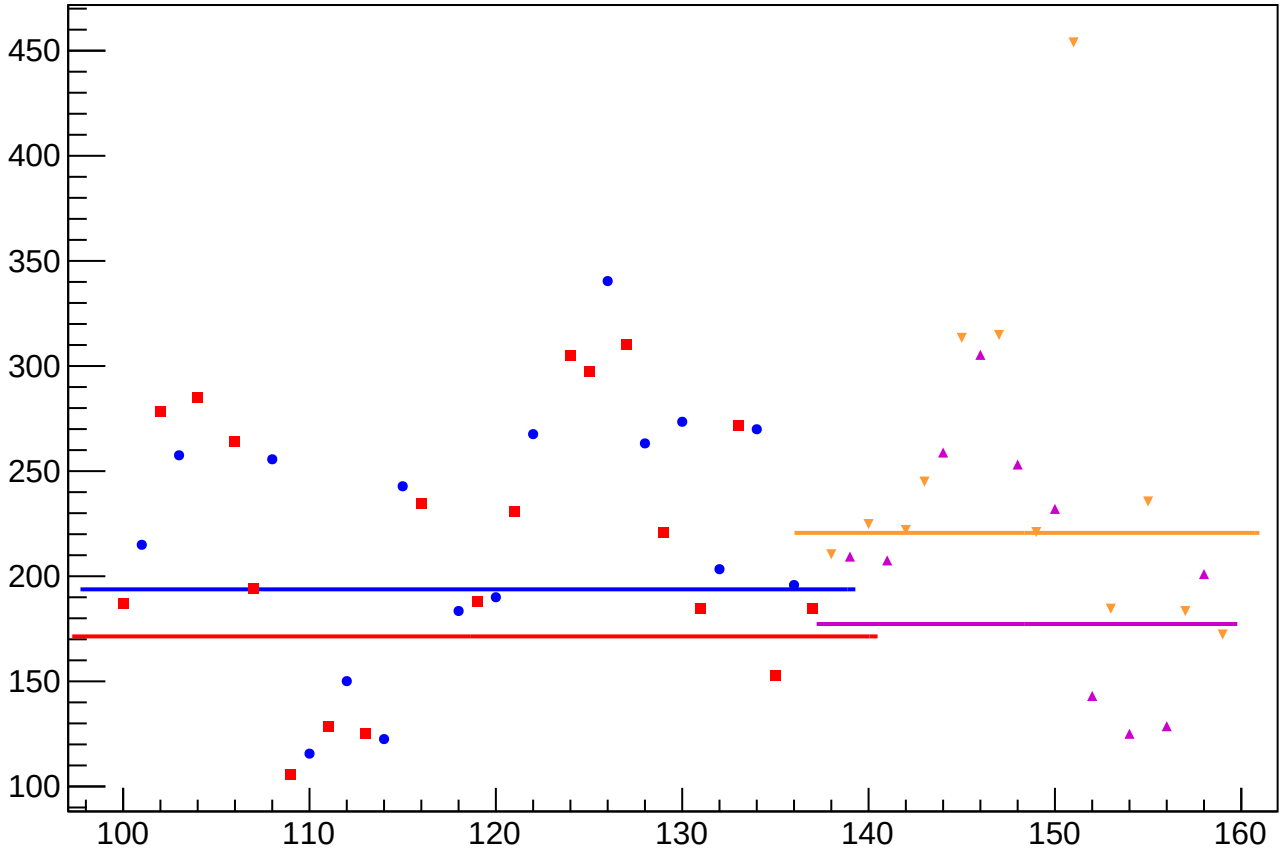
Left In: -170.425+/-65.080 χ^2/NDF:3.2/9

+ sign 70.911+/-53.384 χ^2/NDF: 24.8/27

All: 17.171+/-35.292 χ^2/NDF: 53.2/56

- sign -24.551+/-47.037 χ^2/NDF: 26.7/28

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

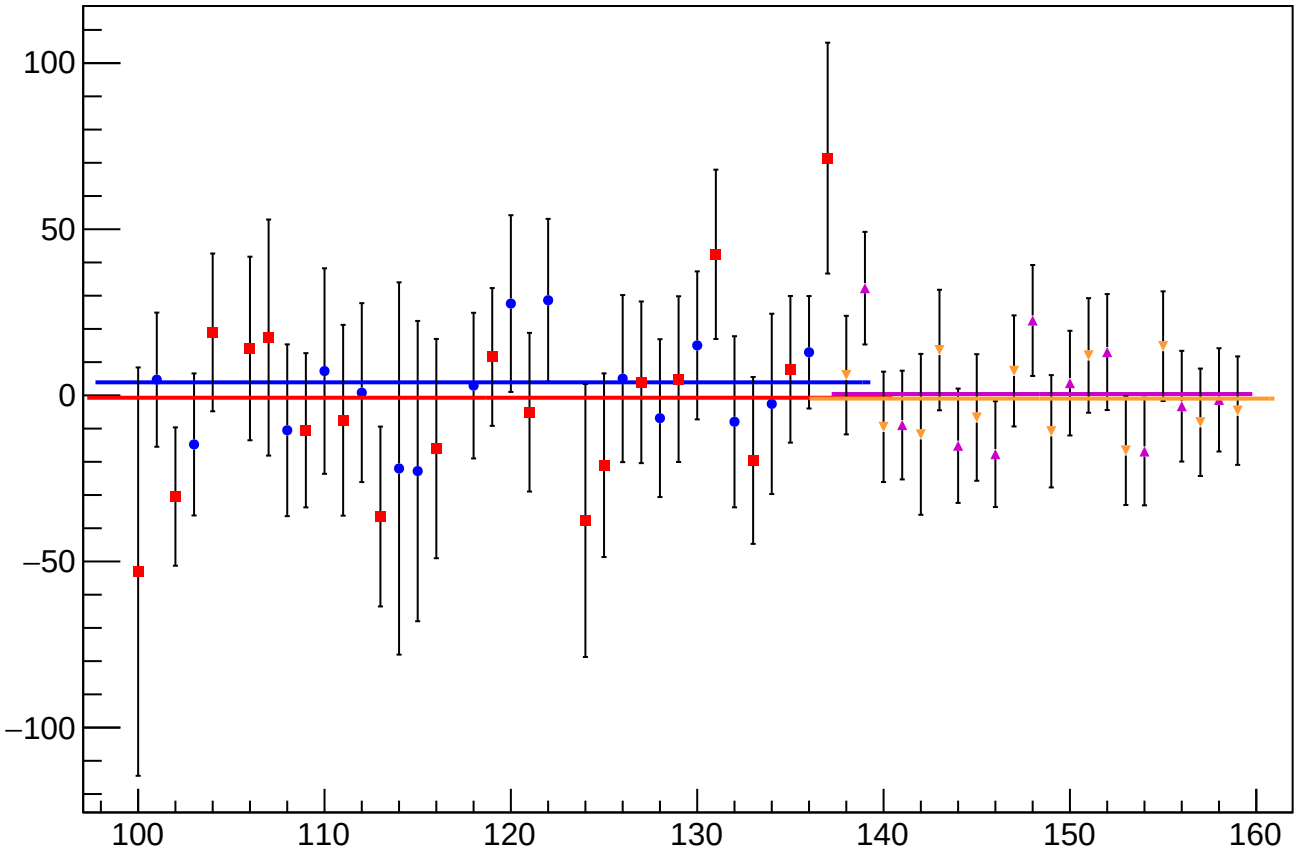
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 177.281+/-0.046 χ^2/NDF:1397891.8/9

+ sign 207.444+/-0.038 χ^2/NDF: 2154447.3/27

All: 188.877+/-0.025 χ^2/NDF: 5647987.4/56

- sign 174.463+/-0.033 χ^2/NDF: 3063819.3/28



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

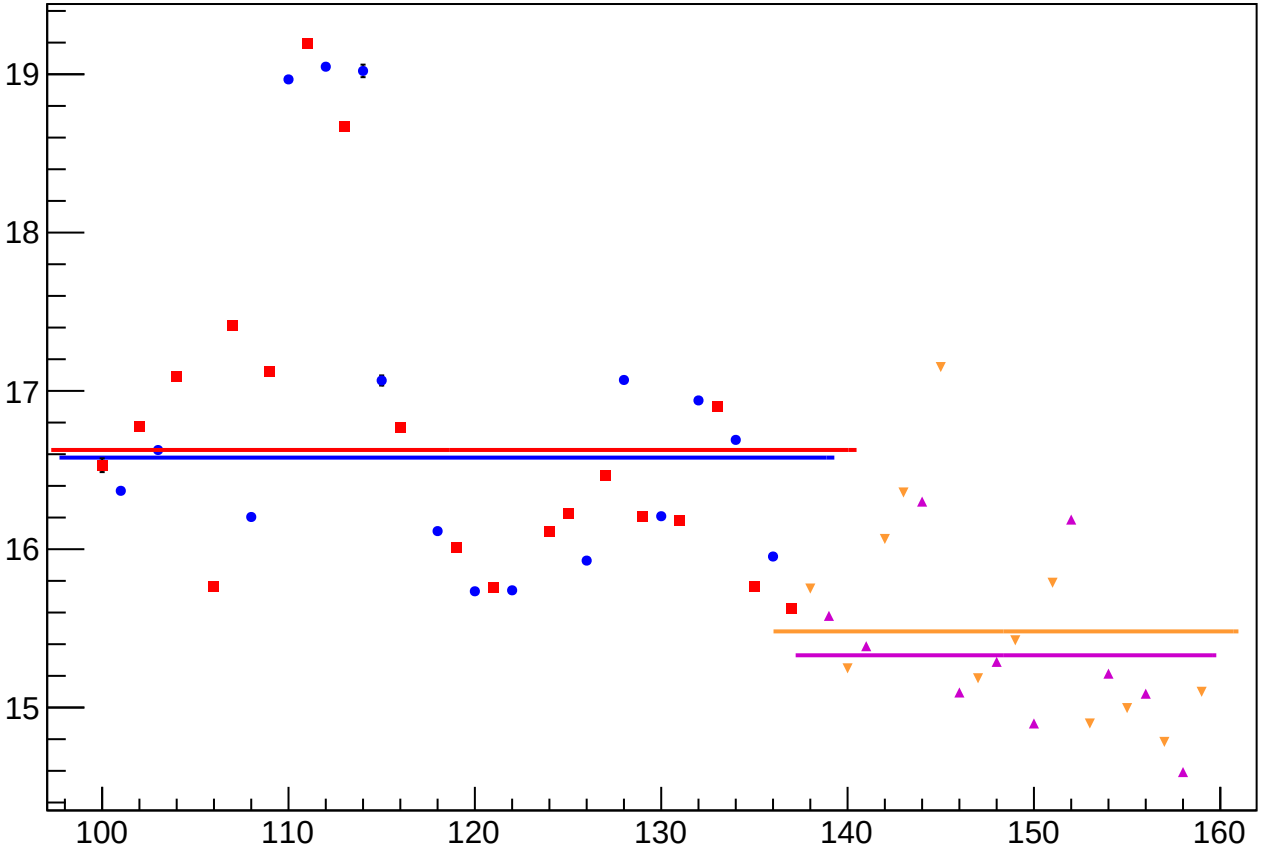
Left In: 0.404+/-5.200 χ^2/NDF:9.5/9

+ sign 0.977+/-3.895 χ^2/NDF: 9.4/27

All: 0.462+/-2.774 χ^2/NDF: 34.9/56

- sign -0.069+/-3.951 χ^2/NDF: 25.4/28

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.481+/-0.004 χ^2/NDF:32403.6/11

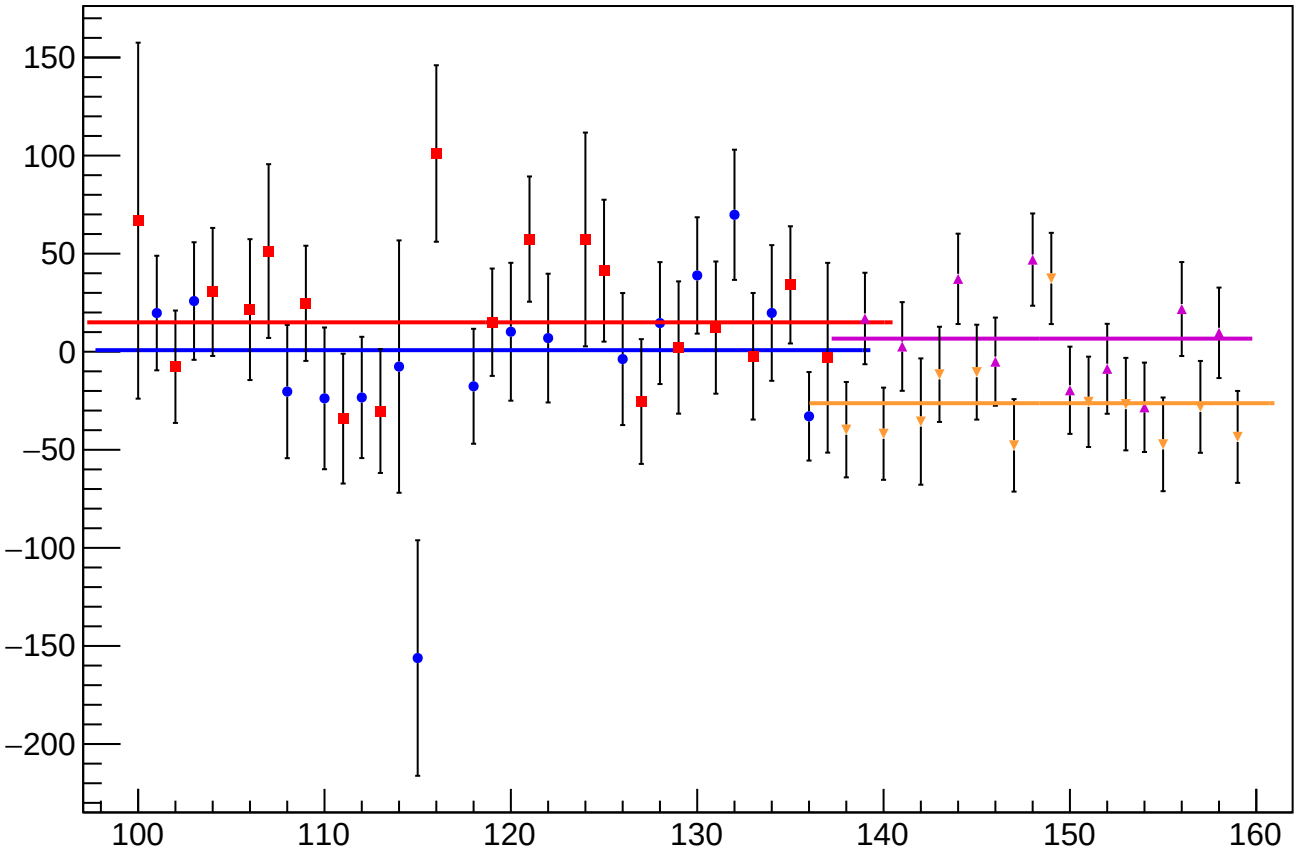
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.330+/-0.004 χ^2/NDF:18624.2/9

+ sign 15.918+/-0.003 χ^2/NDF: 115058.6/27

All: 15.898+/-0.002 χ^2/NDF: 229835.2/56

- sign 15.878+/-0.003 χ^2/NDF: 114673.9/28



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -26.250+/-6.967 χ^2/NDF:11.3/11

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

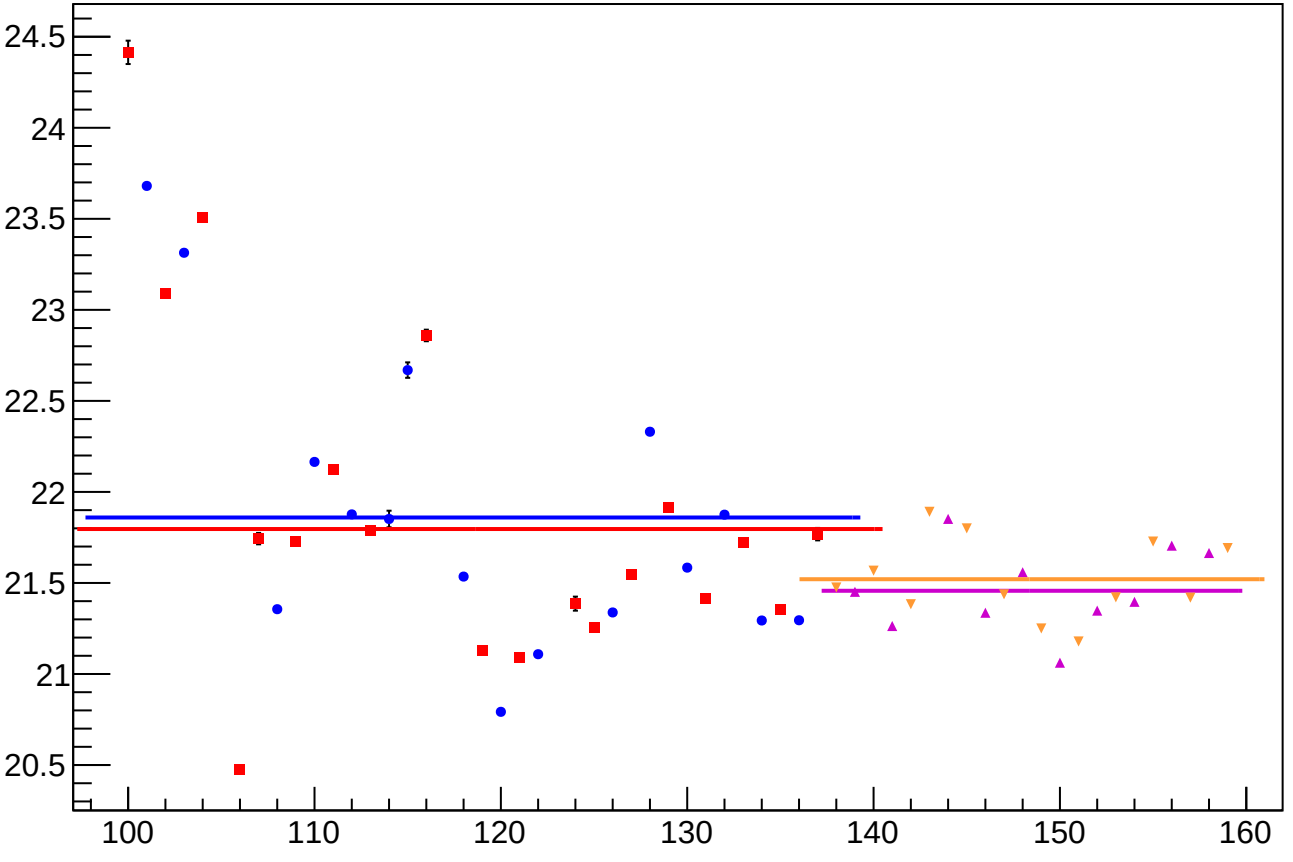
Left In: 6.673+/-7.266 χ^2/NDF:9.8/9

+ sign -14.793+/-5.289 χ^2/NDF: 36.3/27

All: -2.350+/-3.766 χ^2/NDF: 73.3/56

- sign 10.453+/-5.365 χ^2/NDF: 25.8/28

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

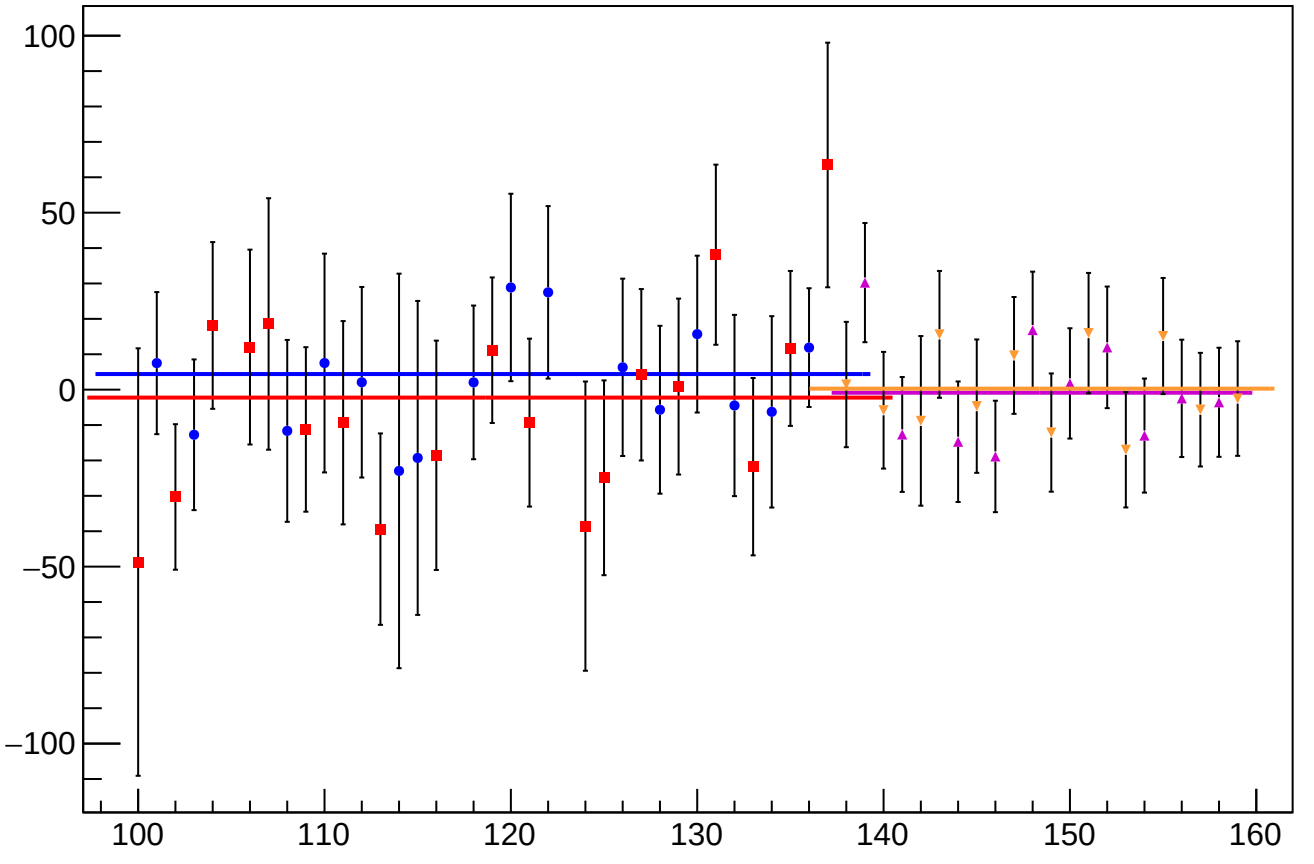
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.457+/-0.005 χ^2/NDF:1895.8/9

+ sign 21.664+/-0.004 χ^2/NDF: 23324.0/27

All: 21.638+/-0.003 χ^2/NDF: 46162.1/56

- sign 21.611+/-0.004 χ^2/NDF: 22739.8/28



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 0.286+/-4.973 χ^2/NDF:4.9/11

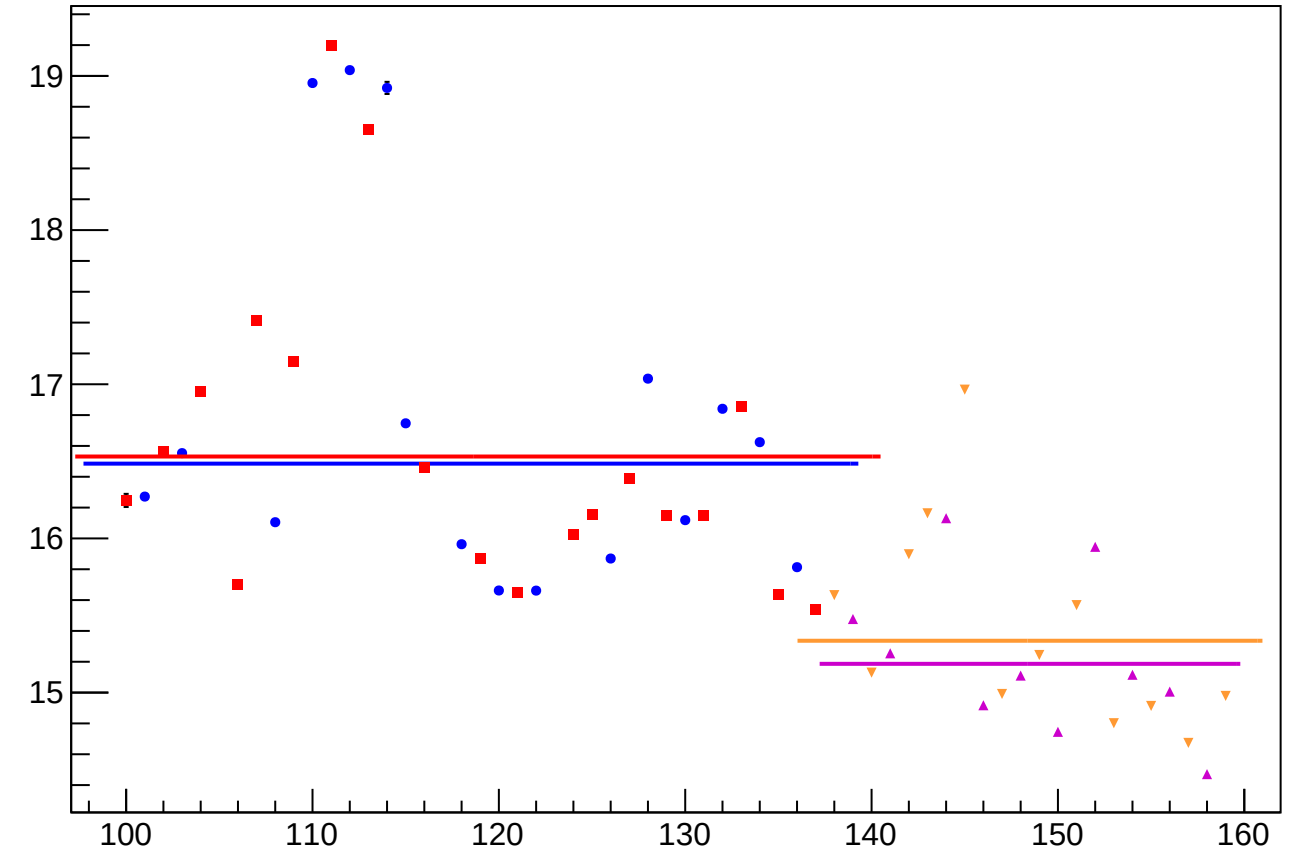
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.869+/-5.151 χ^2/NDF:8.3/9

+ sign 1.919+/-3.864 χ^2/NDF: 9.5/27

All: 0.260+/-2.752 χ^2/NDF: 33.5/56

- sign -1.447+/-3.920 χ^2/NDF: 23.7/28



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.336+/-0.004 χ^2/NDF:30342.3/11

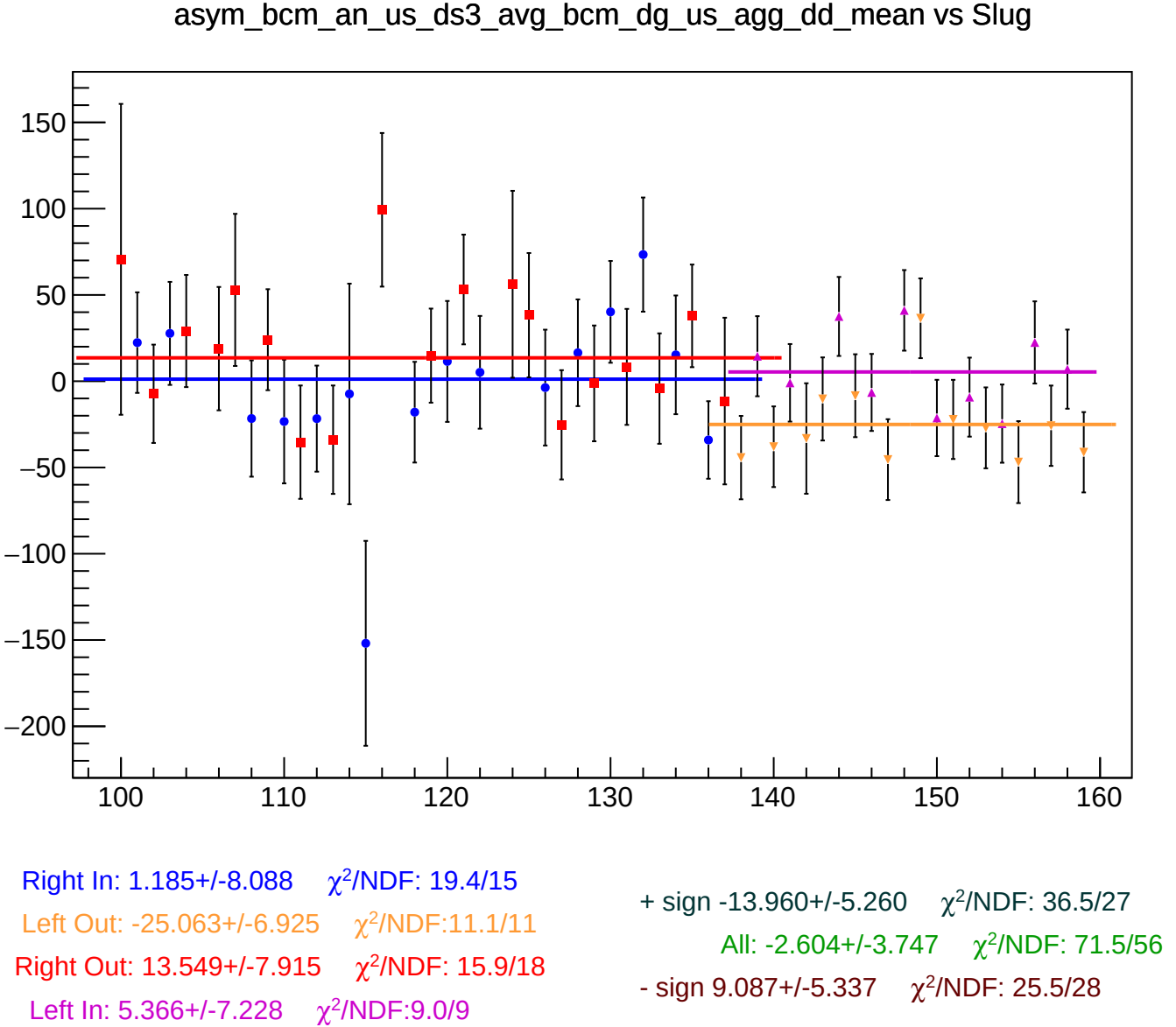
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

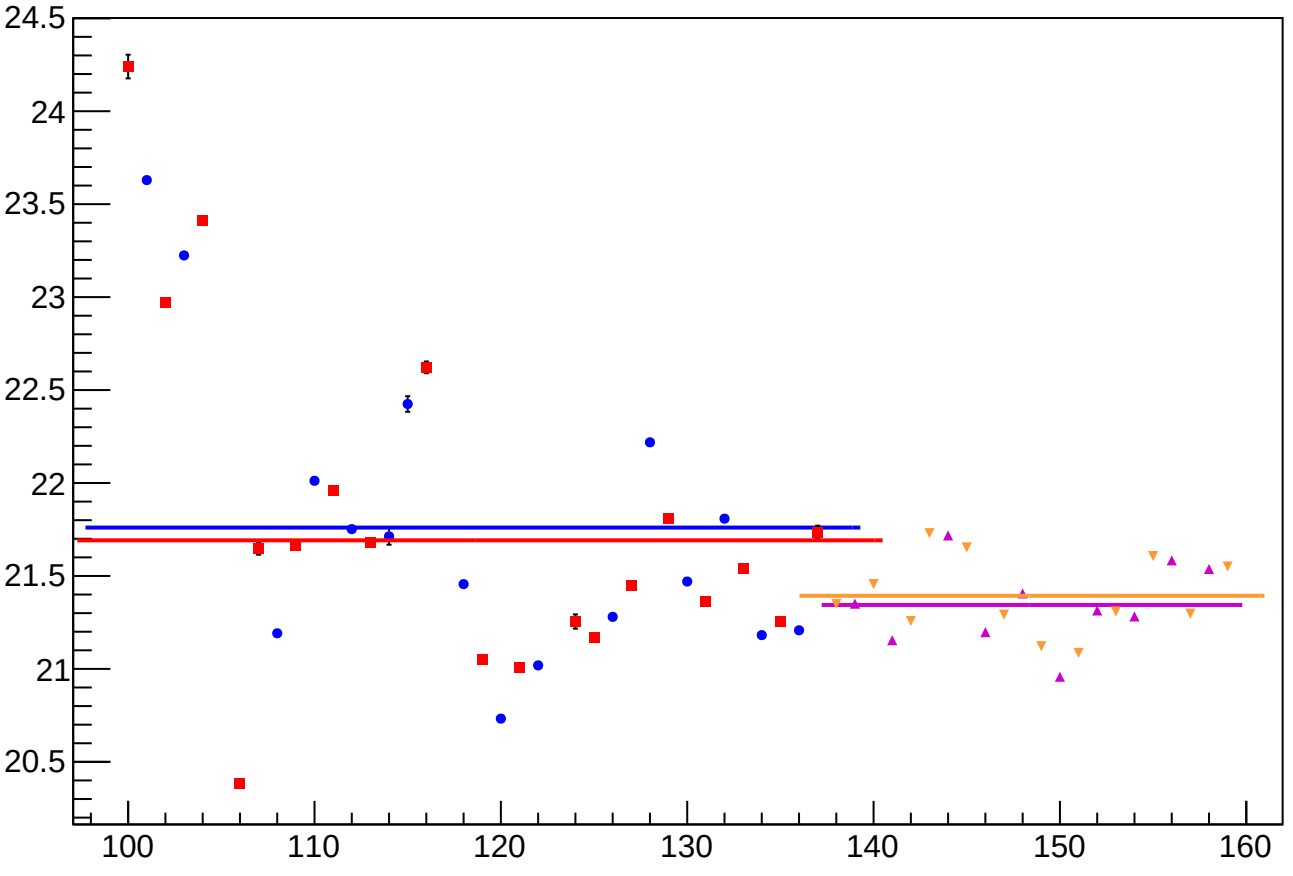
Left In: 15.186+/-0.004 χ^2/NDF:17502.8/9

+ sign 15.792+/-0.003 χ^2/NDF: 119832.2/27

All: 15.772+/-0.002 χ^2/NDF: 241281.6/56

- sign 15.752+/-0.003 χ^2/NDF: 121348.3/28


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -25.063+/-6.925 χ²/NDF:11.1/11
Right Out: 13.549+/-7.915 χ²/NDF: 15.9/18
Left In: 5.366+/-7.228 χ²/NDF:9.0/9
+ sign -13.960+/-5.260 χ²/NDF: 36.5/27
All: -2.604+/-3.747 χ²/NDF: 71.5/56
- sign 9.087+/-5.337 χ²/NDF: 25.5/28



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.393+/-0.005 χ^2/NDF:1668.7/11

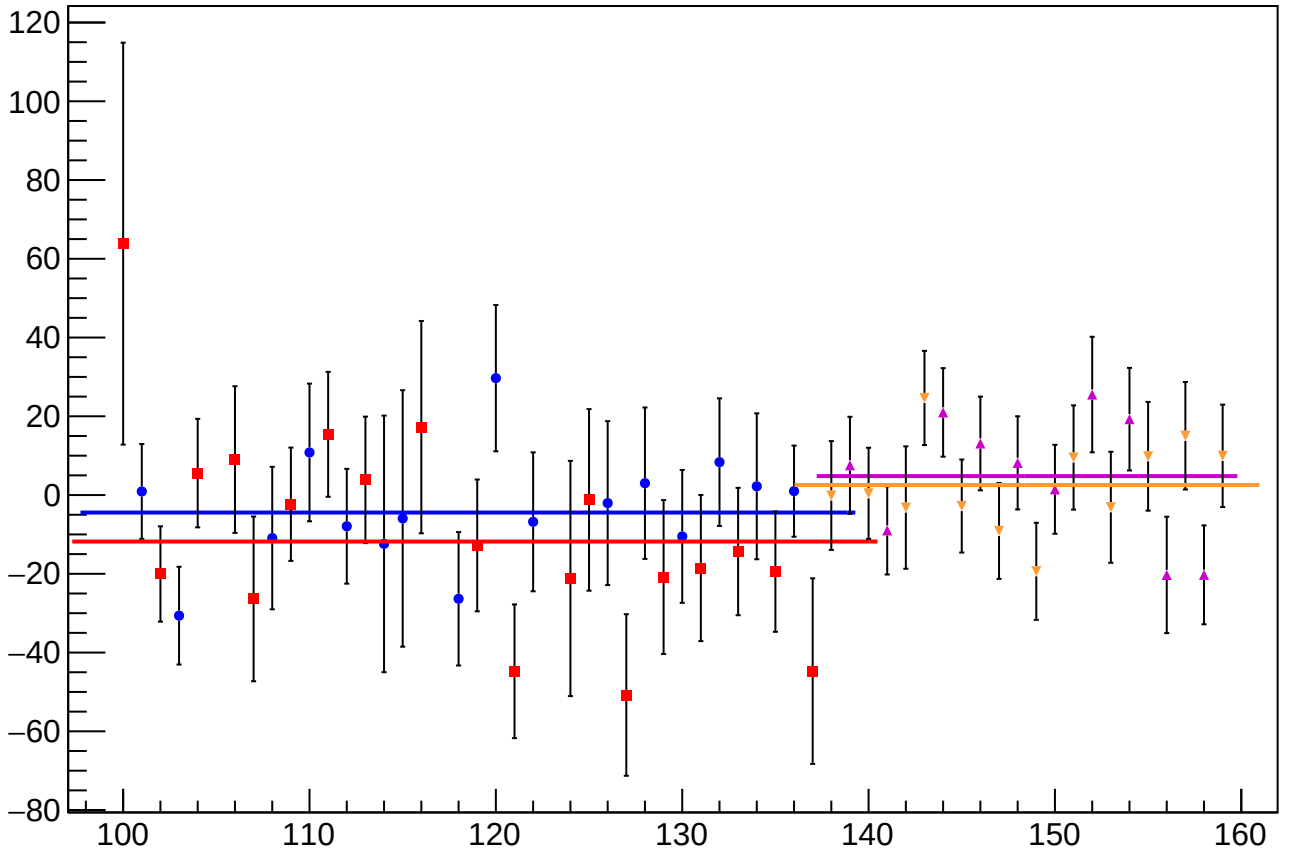
Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.344+/-0.005 χ^2/NDF:1749.1/9

+ sign 21.549+/-0.004 χ^2/NDF: 23789.9/27

All: 21.526+/-0.003 χ^2/NDF: 46051.0/56

- sign 21.502+/-0.004 χ^2/NDF: 22184.0/28



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

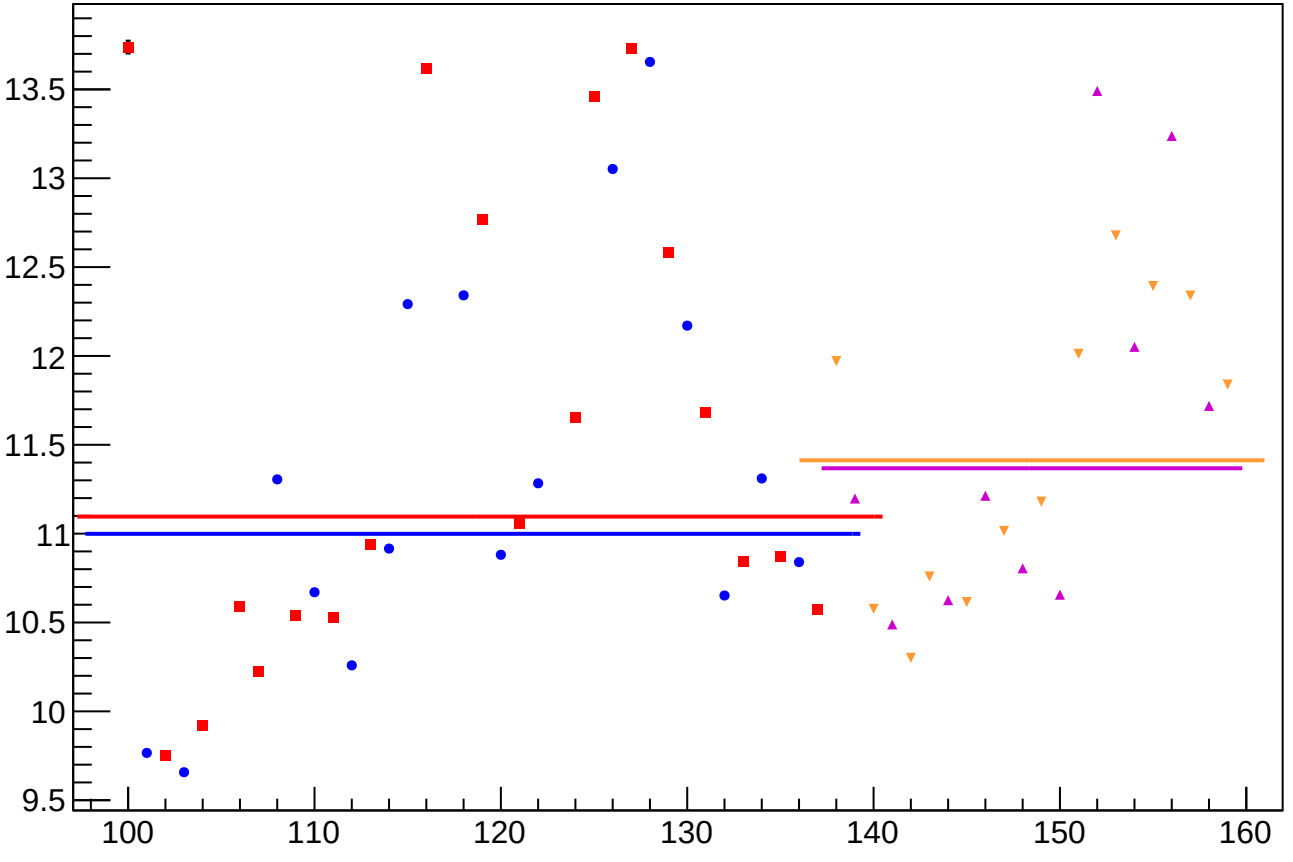
Left In: 4.811+/-3.893 χ^2/NDF:14.4/9

+ sign -0.593+/-2.772 χ^2/NDF: 23.3/27

All: -1.811+/-1.978 χ^2/NDF: 68.5/56

- sign -3.073+/-2.822 χ^2/NDF: 44.8/28

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

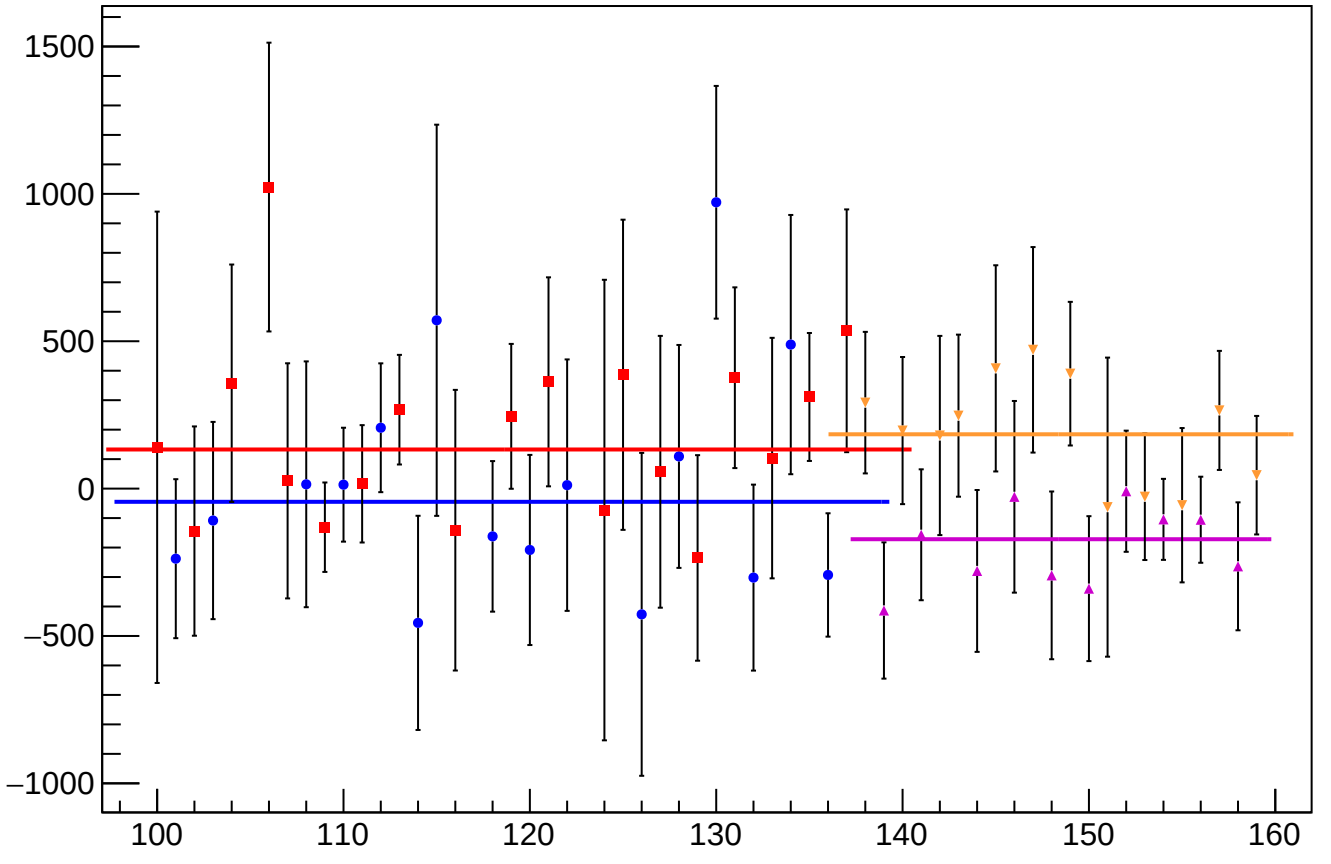
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.368+/-0.003 χ^2/NDF:115225.7/9

+ sign 11.227+/-0.002 χ^2/NDF: 230723.1/27

All: 11.233+/-0.001 χ^2/NDF: 513504.8/56

- sign 11.239+/-0.002 χ^2/NDF: 282762.4/28



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

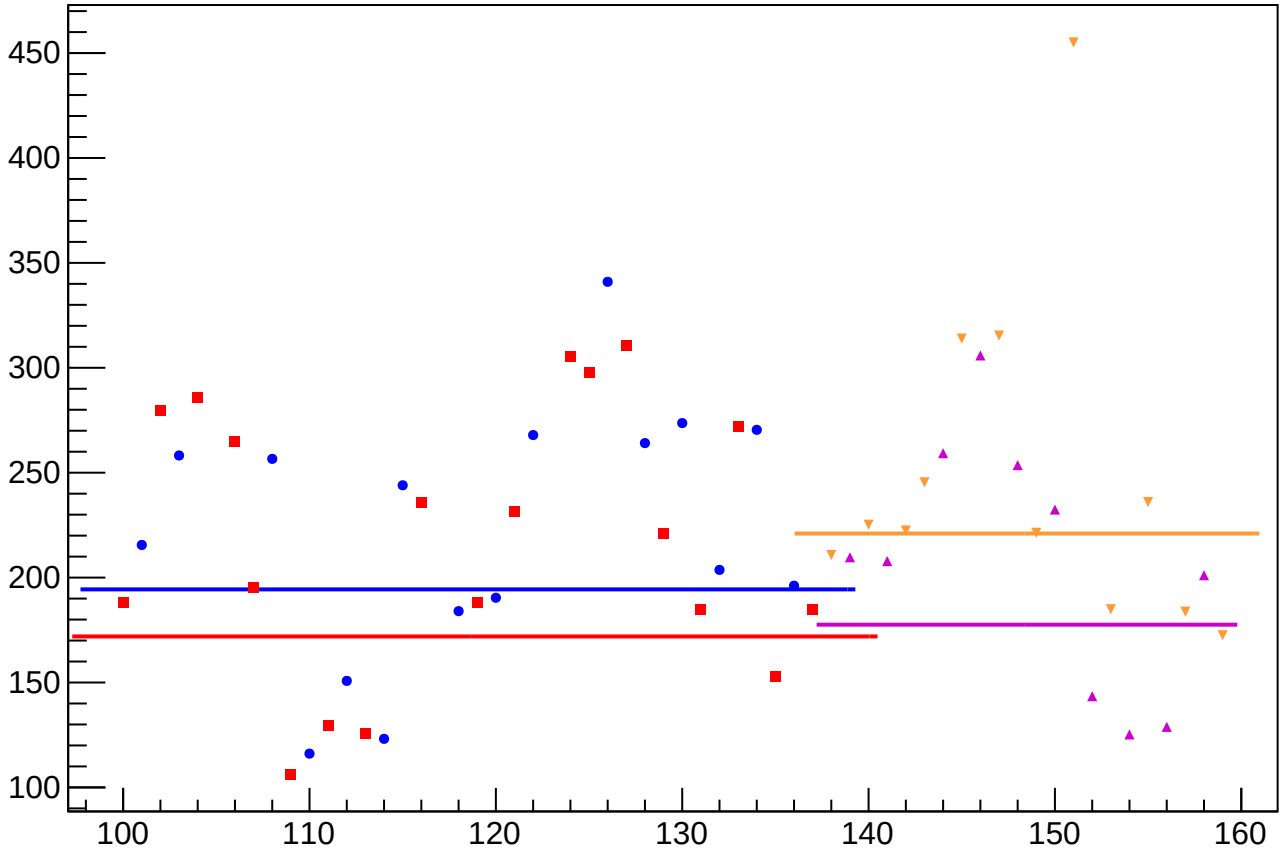
Left In: -171.733+/-65.183 χ^2/NDF:3.4/9

+ sign 71.989+/-53.510 χ^2/NDF: 24.8/27

All: 16.520+/-35.374 χ^2/NDF: 53.3/56

- sign -26.538+/-47.145 χ^2/NDF: 26.6/28

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

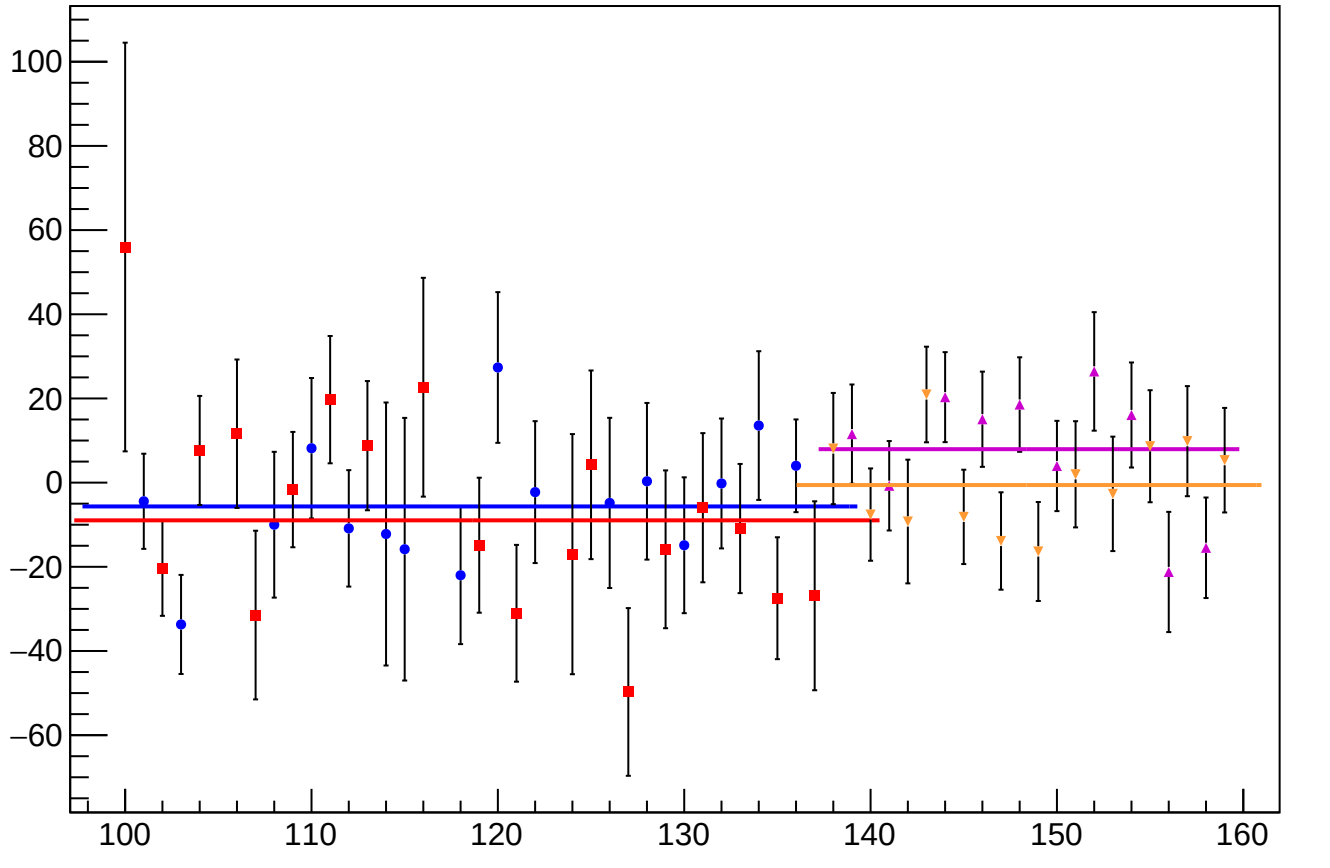
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.560+/-0.046 χ^2/NDF:1397875.2/9

+ sign 207.959+/-0.038 χ^2/NDF: 2146344.4/27

All: 189.338+/-0.025 χ^2/NDF: 5632821.6/56

- sign 174.884+/-0.033 χ^2/NDF: 3056285.9/28



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

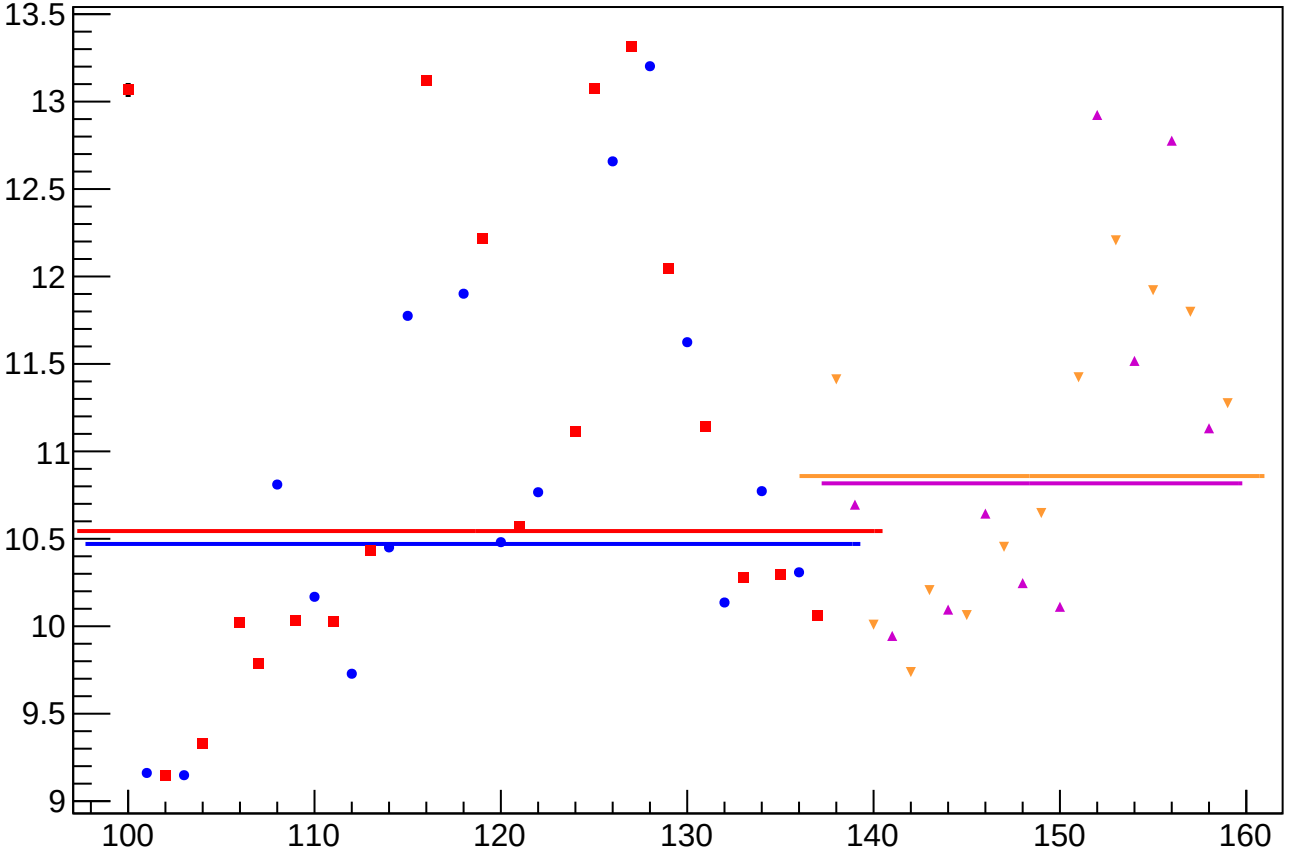
Left In: 7.948+/-3.711 χ^2/NDF:13.7/9

+ sign -2.861+/-2.643 χ^2/NDF: 24.4/27

All: -1.496+/-1.885 χ^2/NDF: 71.2/56

- sign -0.083+/-2.689 χ^2/NDF: 46.3/28

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

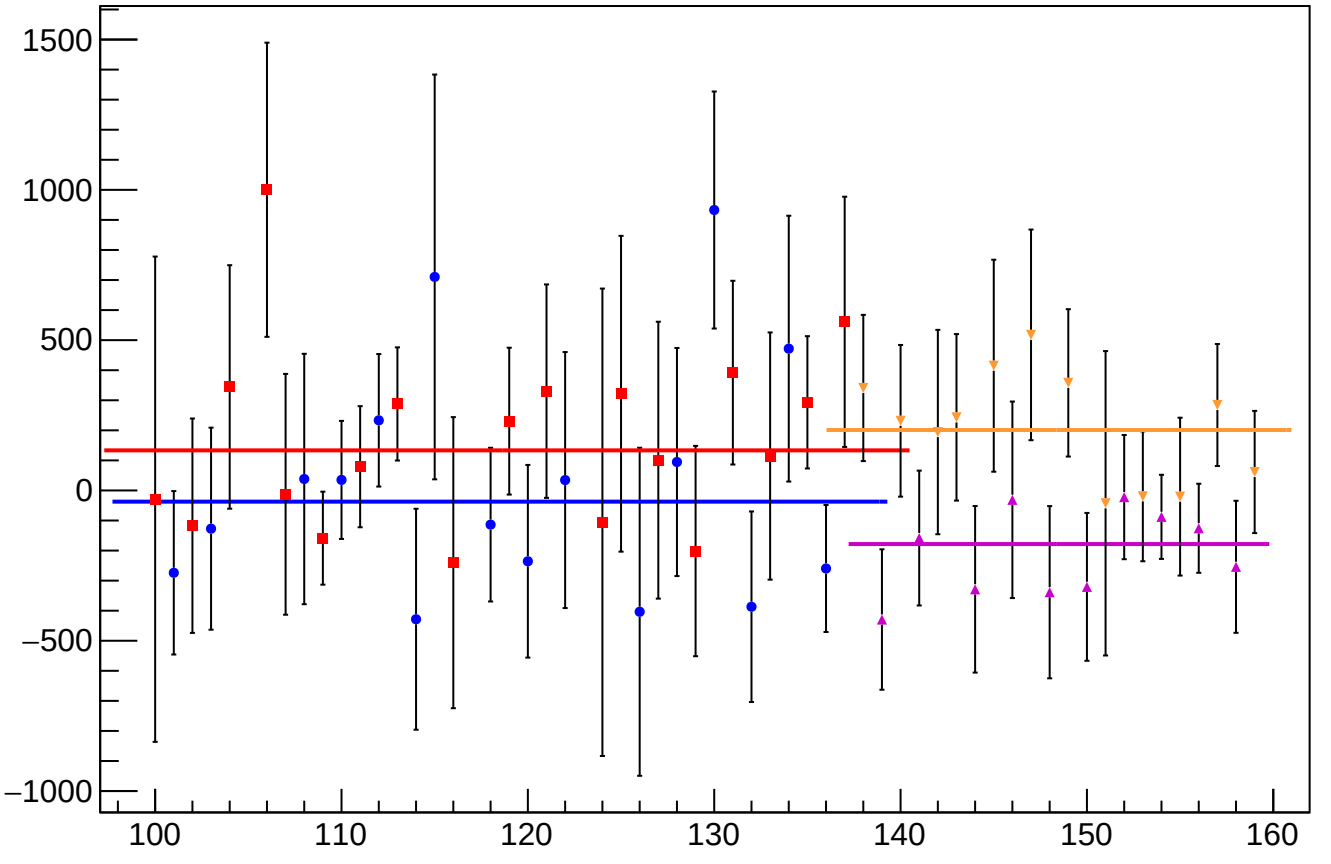
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.817+/-0.003 χ^2/NDF:127208.4/9

+ sign 10.684+/-0.002 χ^2/NDF: 263920.6/27

All: 10.686+/-0.001 χ^2/NDF: 583046.0/56

- sign 10.688+/-0.002 χ^2/NDF: 319123.7/28



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 201.041+/-75.496 χ^2/NDF:4.6/11

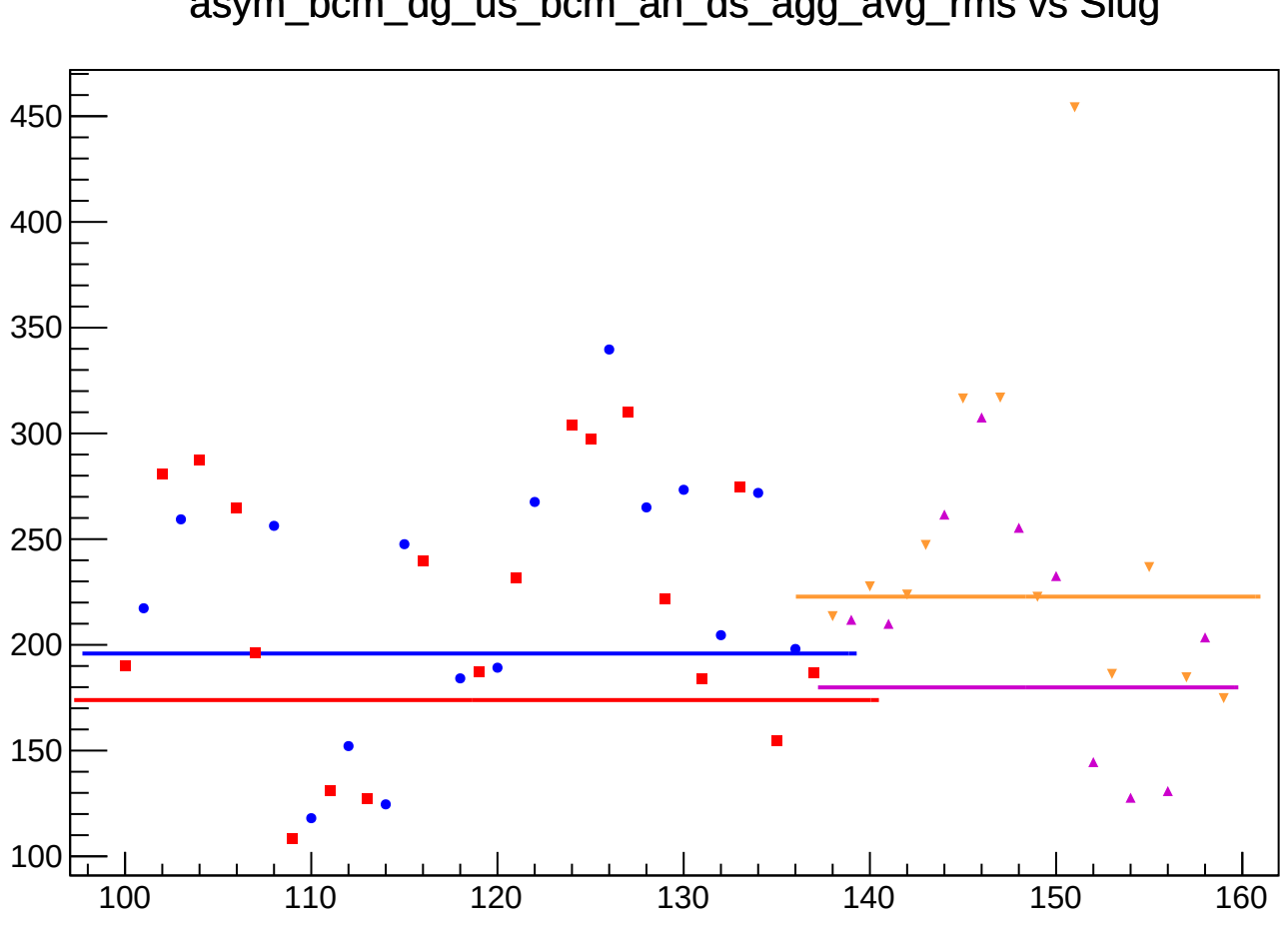
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -178.273+/-65.920 χ^2/NDF:3.5/9

+ sign 84.119+/-53.878 χ^2/NDF: 25.1/27

All: 20.452+/-35.684 χ^2/NDF: 54.7/56

- sign -29.296+/-47.626 χ^2/NDF: 27.1/28



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 222.796+/-0.053 χ^2/NDF:967878.9/11

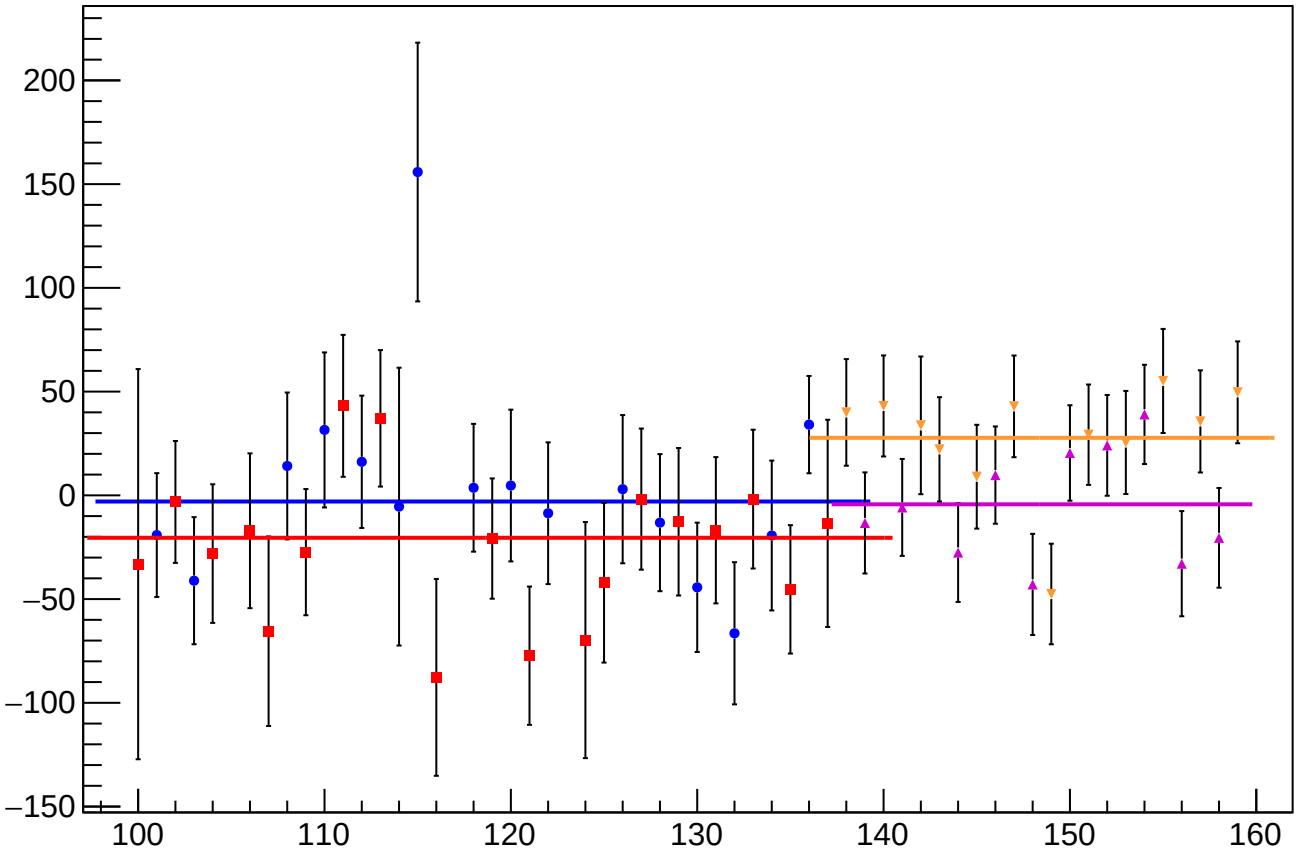
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 179.884+/-0.047 χ^2/NDF:1361778.3/9

+ sign 209.598+/-0.038 χ^2/NDF: 2103450.9/27

All: 191.313+/-0.025 χ^2/NDF: 5483088.7/56

- sign 177.024+/-0.034 χ^2/NDF: 2969261.4/28



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 27.735+/-7.276 χ^2/NDF:13.4/11

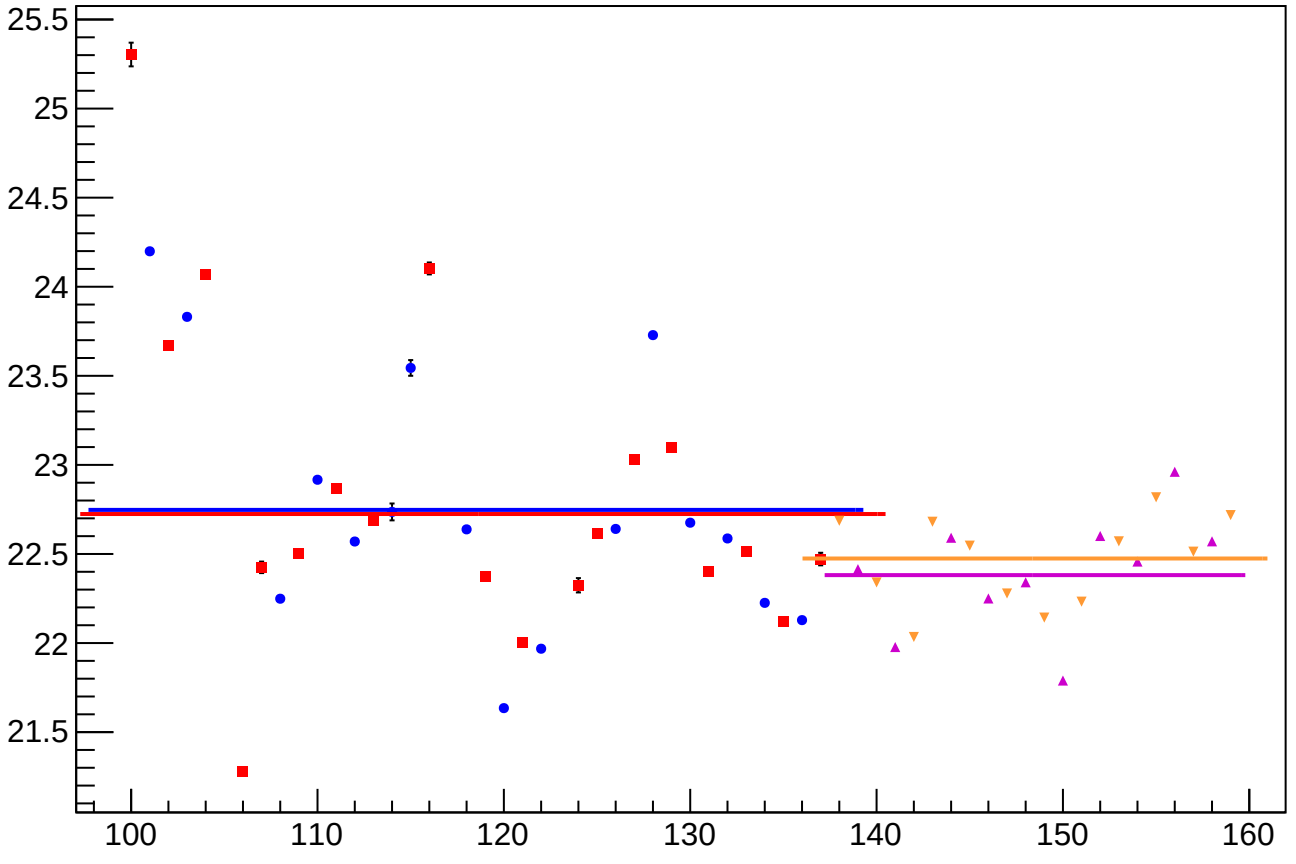
Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: -4.324+/-7.580 χ^2/NDF:11.5/9

+ sign 14.669+/-5.515 χ^2/NDF: 38.9/27

All: 1.689+/-3.928 χ^2/NDF: 79.0/56

- sign -11.669+/-5.595 χ^2/NDF: 28.8/28



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.475+/-0.005 χ^2/NDF:2011.1/11

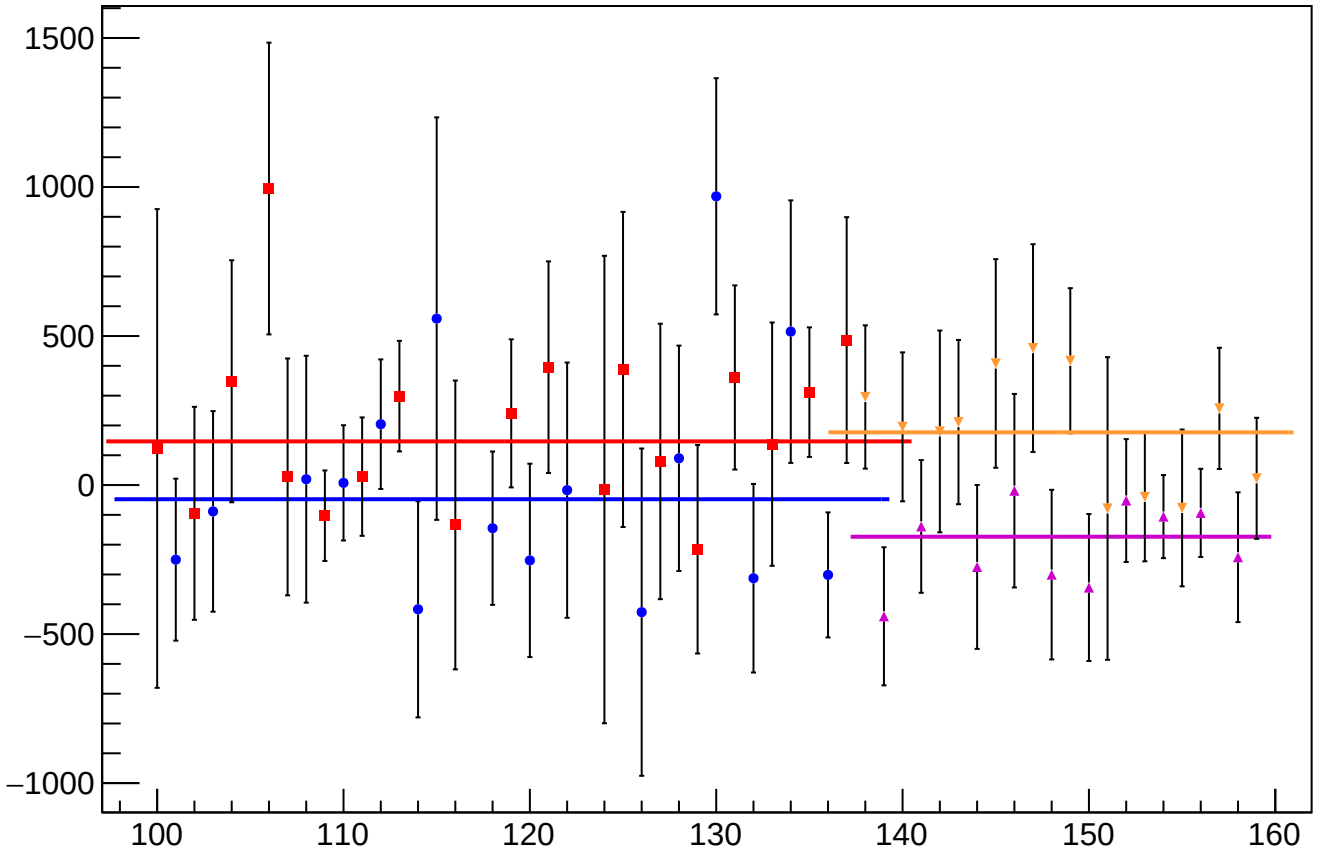
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.381+/-0.005 χ^2/NDF:3503.6/9

+ sign 22.591+/-0.004 χ^2/NDF: 17831.0/27

All: 22.564+/-0.003 χ^2/NDF: 37780.7/56

- sign 22.537+/-0.004 χ^2/NDF: 19857.7/28



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 176.871+/-75.236 χ^2/NDF:5.3/11

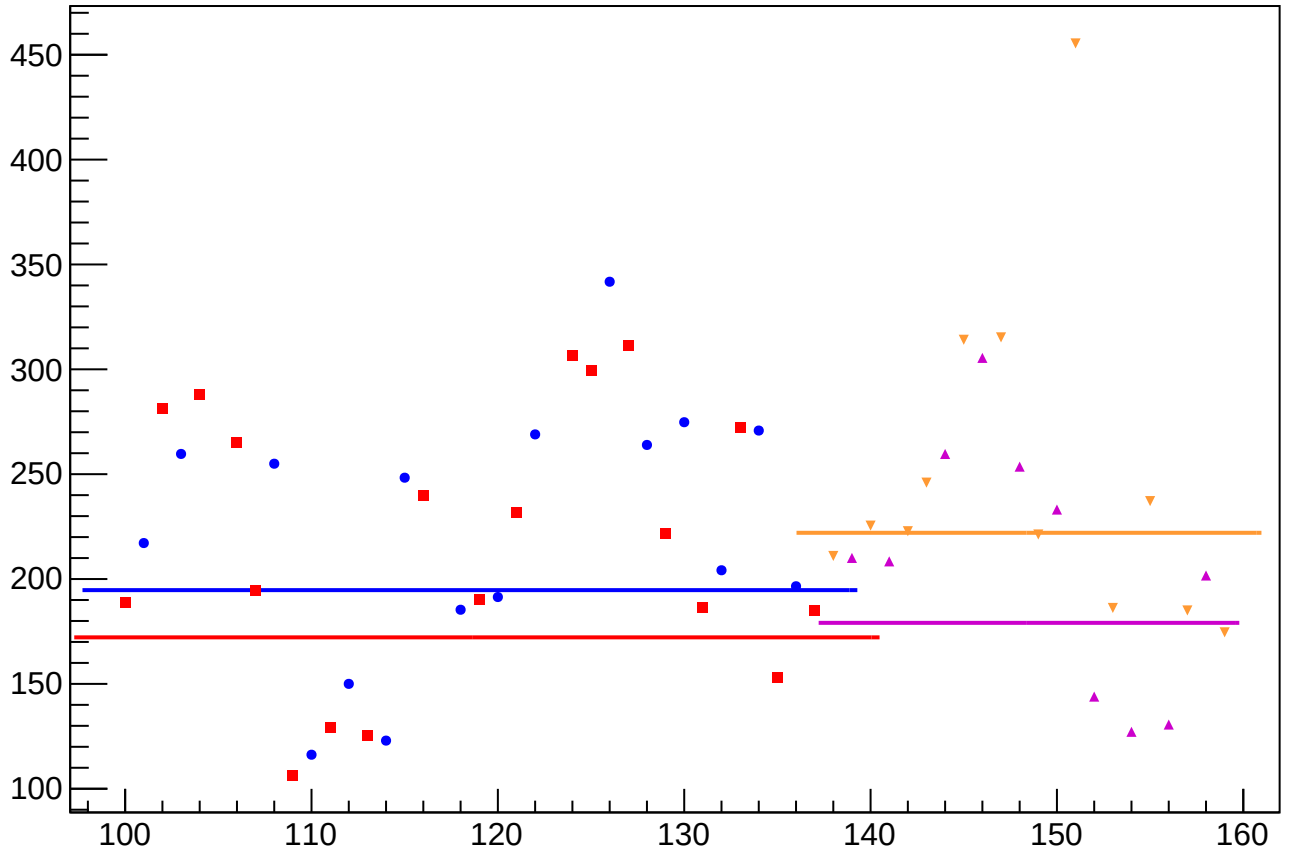
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -173.324+/-65.634 χ^2/NDF:3.4/9

+ sign 66.648+/-53.666 χ^2/NDF: 25.0/27

All: 17.951+/-35.508 χ^2/NDF: 52.8/56

- sign -19.970+/-47.357 χ^2/NDF: 26.3/28



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 222.048+/-0.053 χ^2/NDF:960698.5/11

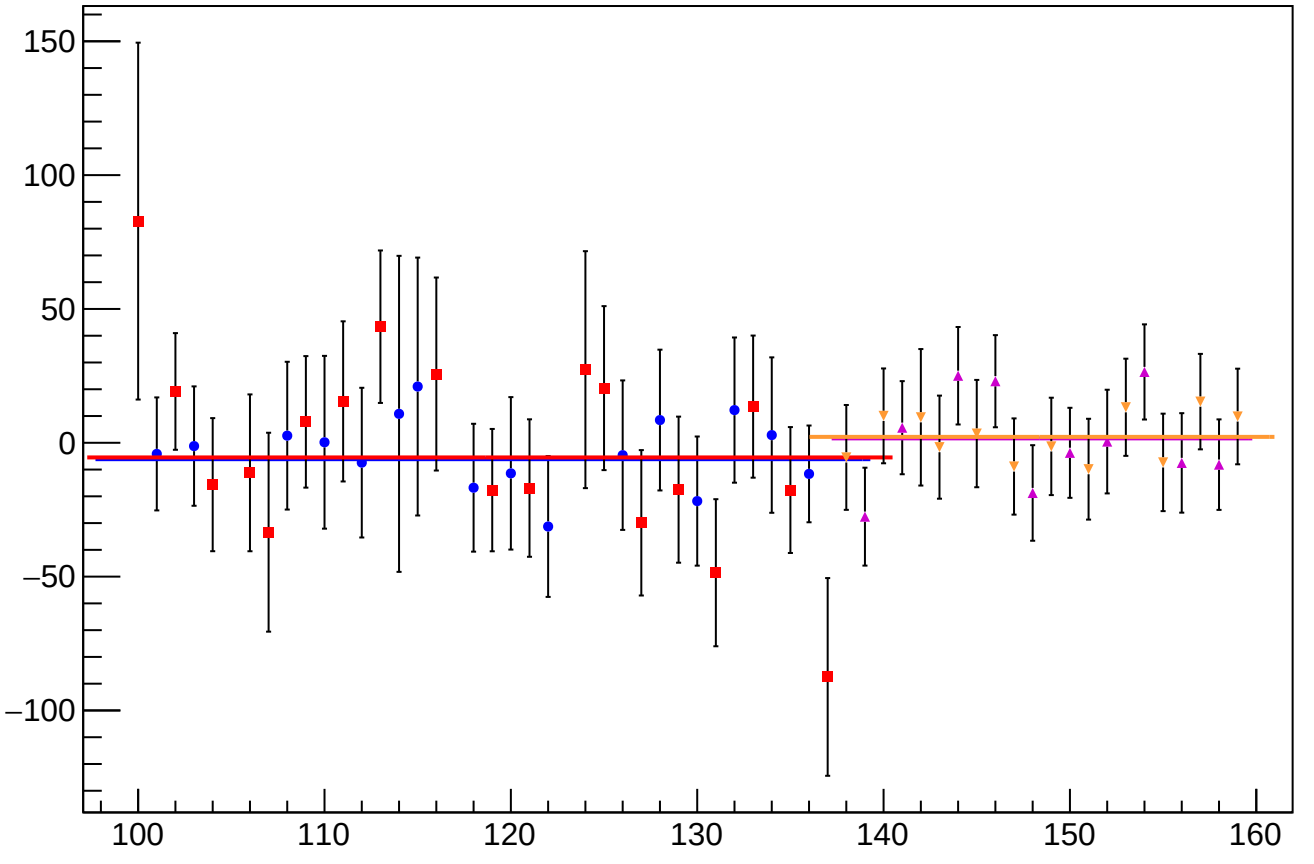
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 179.108+/-0.046 χ^2/NDF:1350367.1/9

+ sign 208.619+/-0.038 χ^2/NDF: 2142719.7/27

All: 190.162+/-0.025 χ^2/NDF: 5595588.3/56

- sign 175.790+/-0.033 χ^2/NDF: 3032098.6/28



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 2.210+/-5.441 χ^2/NDF:2.7/11

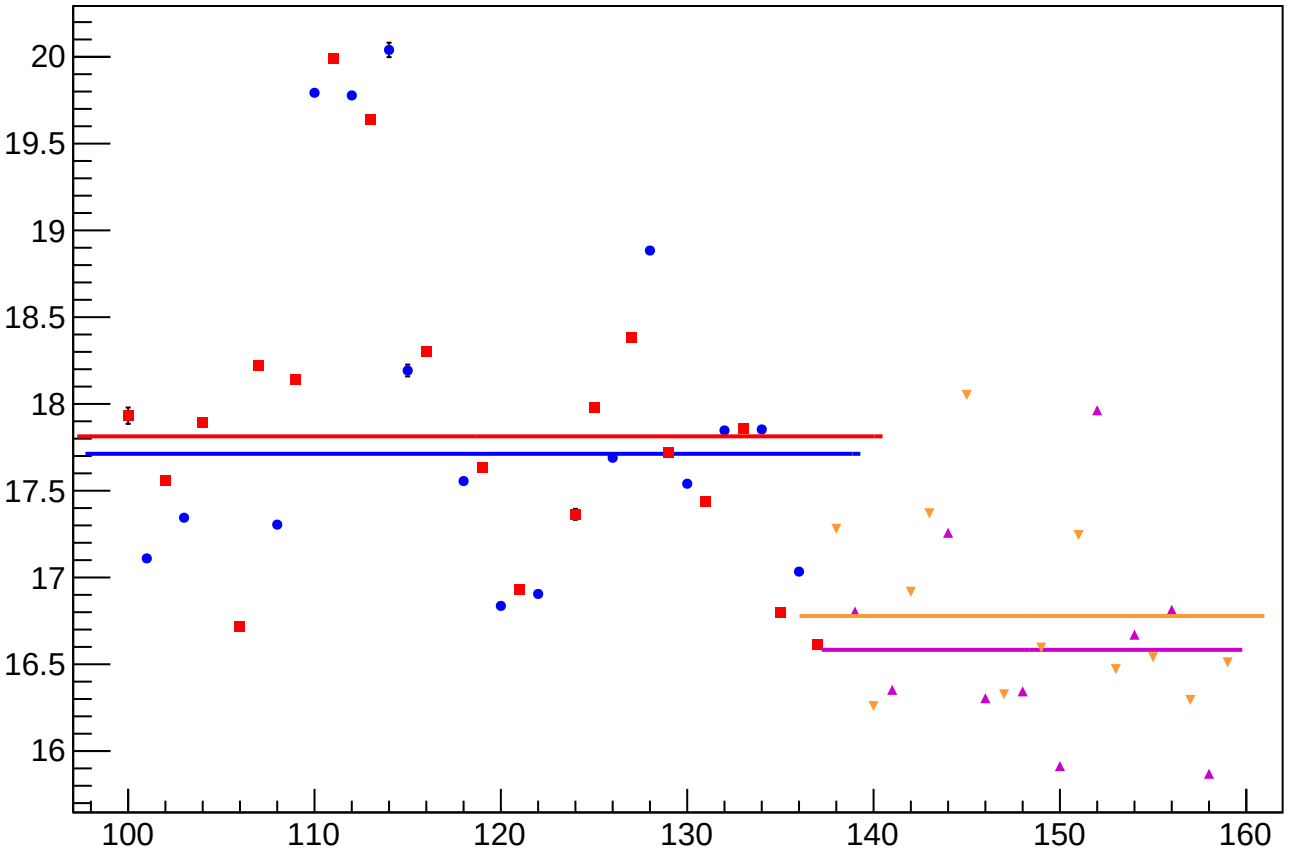
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 1.644+/-5.627 χ^2/NDF:9.7/9

+ sign -1.165+/-4.196 χ^2/NDF: 6.8/27

All: -1.280+/-2.988 χ^2/NDF: 36.4/56

- sign -1.399+/-4.257 χ^2/NDF: 29.6/28



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.778+/-0.004 χ^2/NDF:18572.7/11

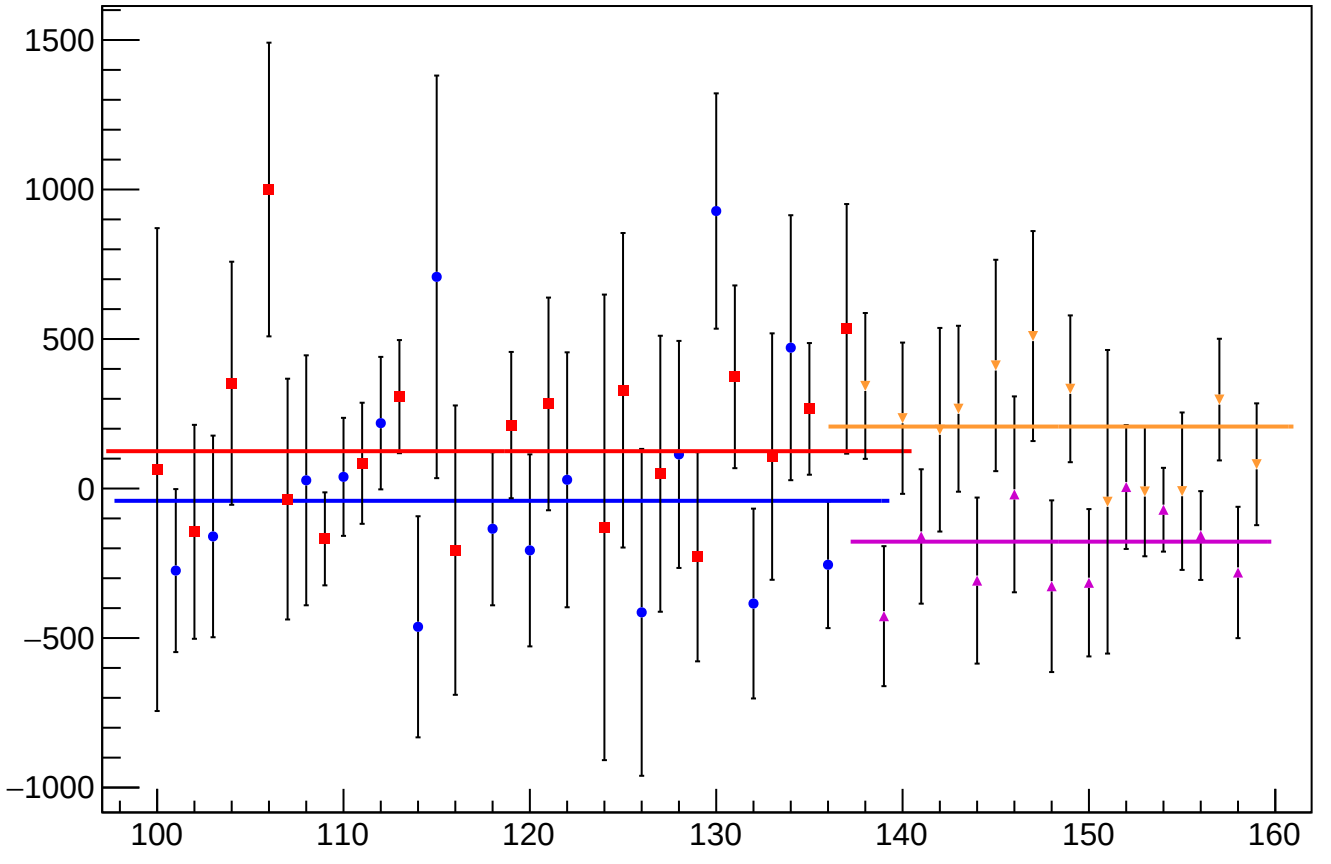
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.583+/-0.004 χ^2/NDF:21523.1/9

\+ sign 17.157+/-0.003 χ^2/NDF: 78470.2/27

All: 17.133+/-0.002 χ^2/NDF: 173707.4/56

\- sign 17.109+/-0.003 χ^2/NDF: 95111.6/28



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 207.252+/-75.668 χ^2/NDF:4.2/11

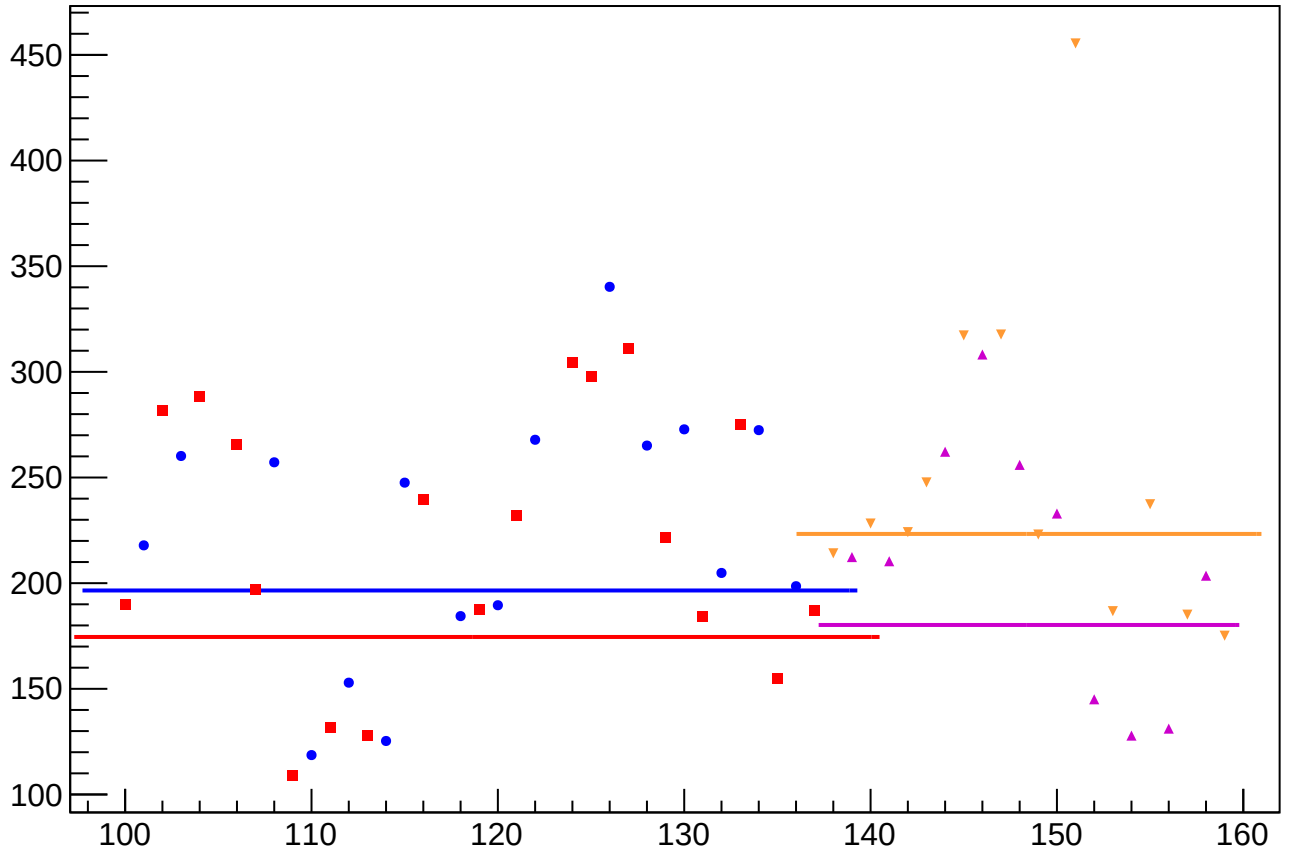
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -177.698+/-66.045 χ^2/NDF:3.8/9

+ sign 85.459+/-54.018 χ^2/NDF: 25.1/27

All: 18.808+/-35.775 χ^2/NDF: 54.5/56

- sign -33.267+/-47.747 χ^2/NDF: 26.7/28



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 223.303+/-0.054 χ^2/NDF:967984.0/11

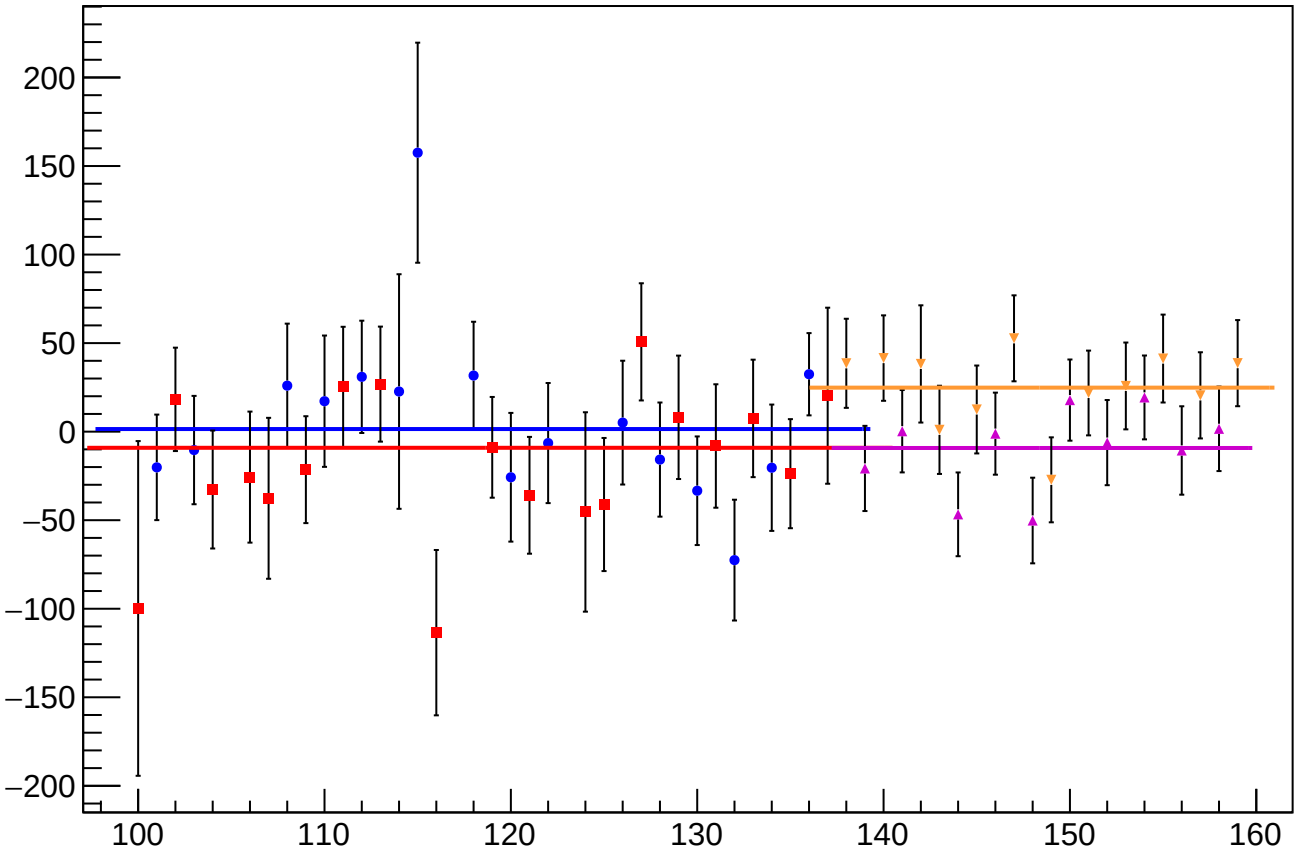
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 180.222+/-0.047 χ^2/NDF:1362091.9/9

+ sign 210.180+/-0.038 χ^2/NDF: 2091422.3/27

All: 191.839+/-0.025 χ^2/NDF: 5460012.0/56

- sign 177.509+/-0.034 χ^2/NDF: 2957882.4/28



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 24.856+/-7.199 χ^2/NDF:8.9/11

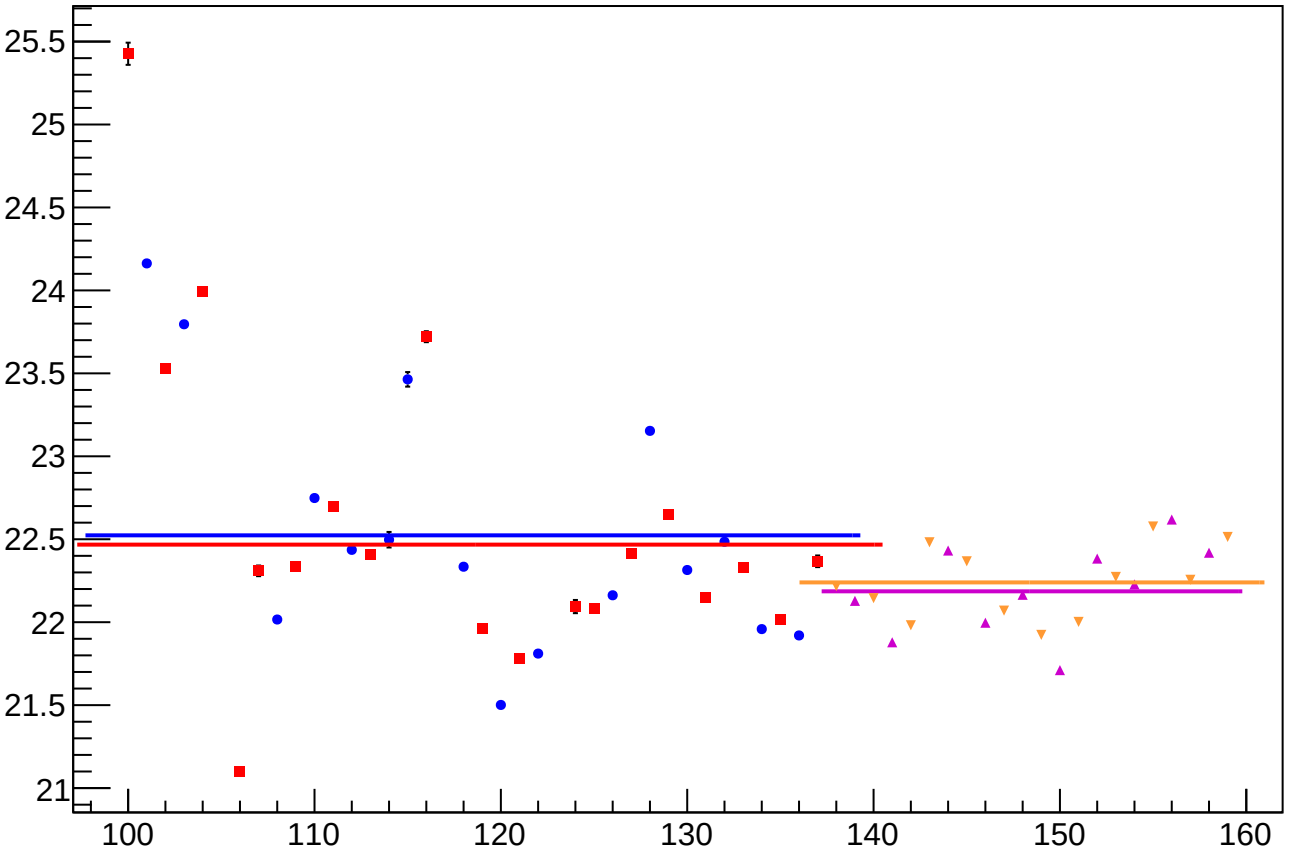
Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: -9.222+/-7.513 χ^2/NDF:9.0/9

+ sign 14.914+/-5.458 χ^2/NDF: 32.1/27

All: 3.048+/-3.888 χ^2/NDF: 67.1/56

- sign -9.172+/-5.539 χ^2/NDF: 25.4/28



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.240+/-0.005 χ^2/NDF:1666.8/11

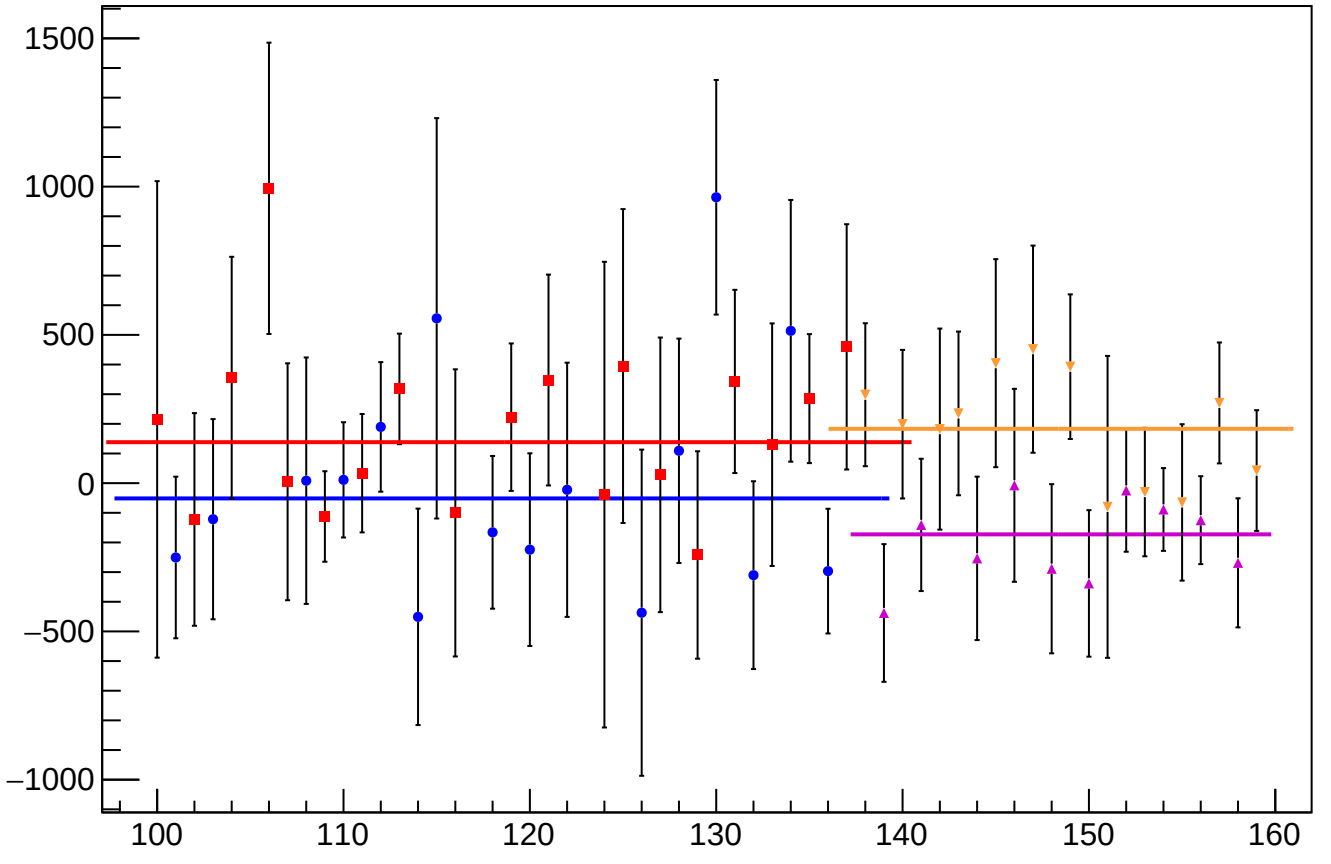
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.186+/-0.005 χ^2/NDF:2502.2/9

+ sign 22.360+/-0.004 χ^2/NDF: 18935.4/27

All: 22.338+/-0.003 χ^2/NDF: 38415.8/56

- sign 22.315+/-0.004 χ^2/NDF: 19410.7/28



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

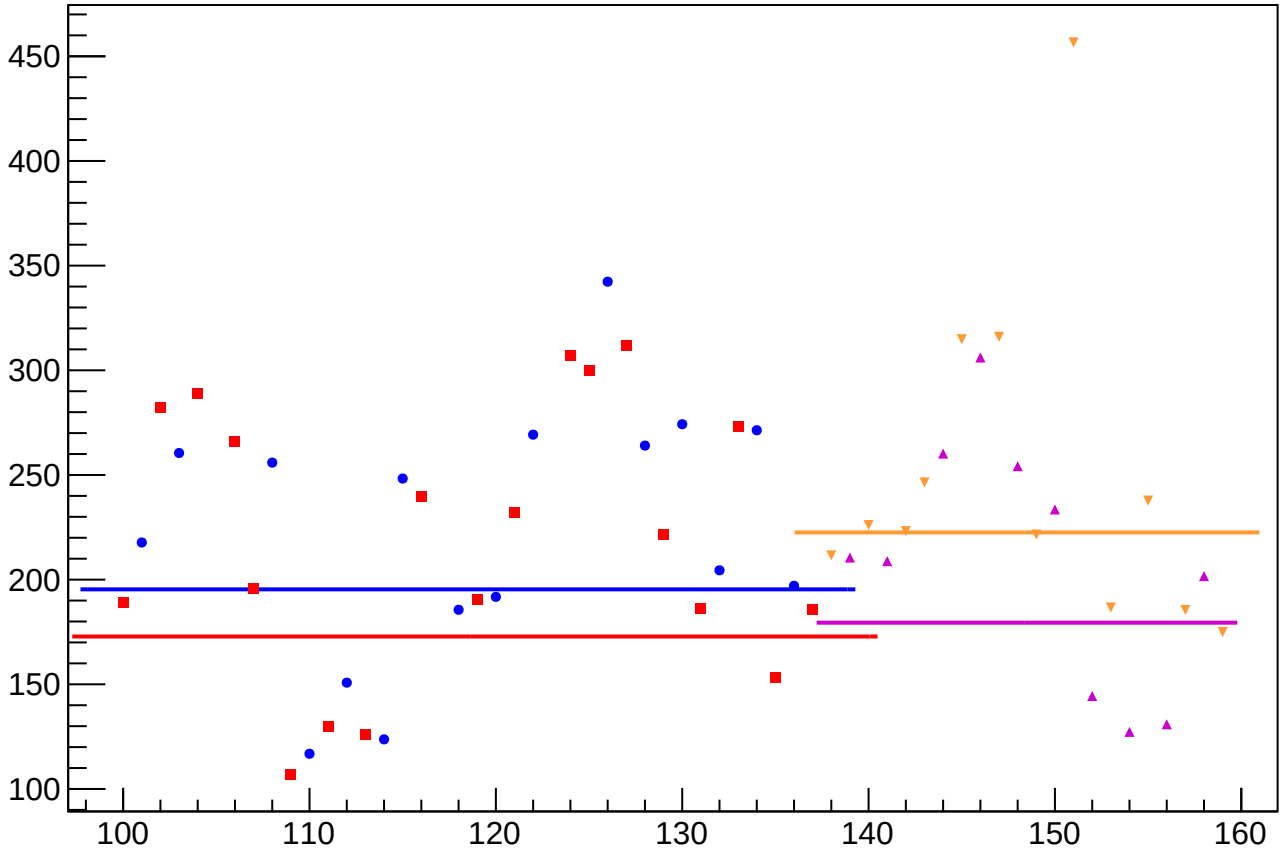
Left In: -172.680+/-65.759 χ^2/NDF:3.5/9

+ sign 68.001+/-53.806 χ^2/NDF: 24.9/27

All: 16.347+/-35.601 χ^2/NDF: 52.3/56

- sign -23.874+/-47.479 χ^2/NDF: 25.8/28

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

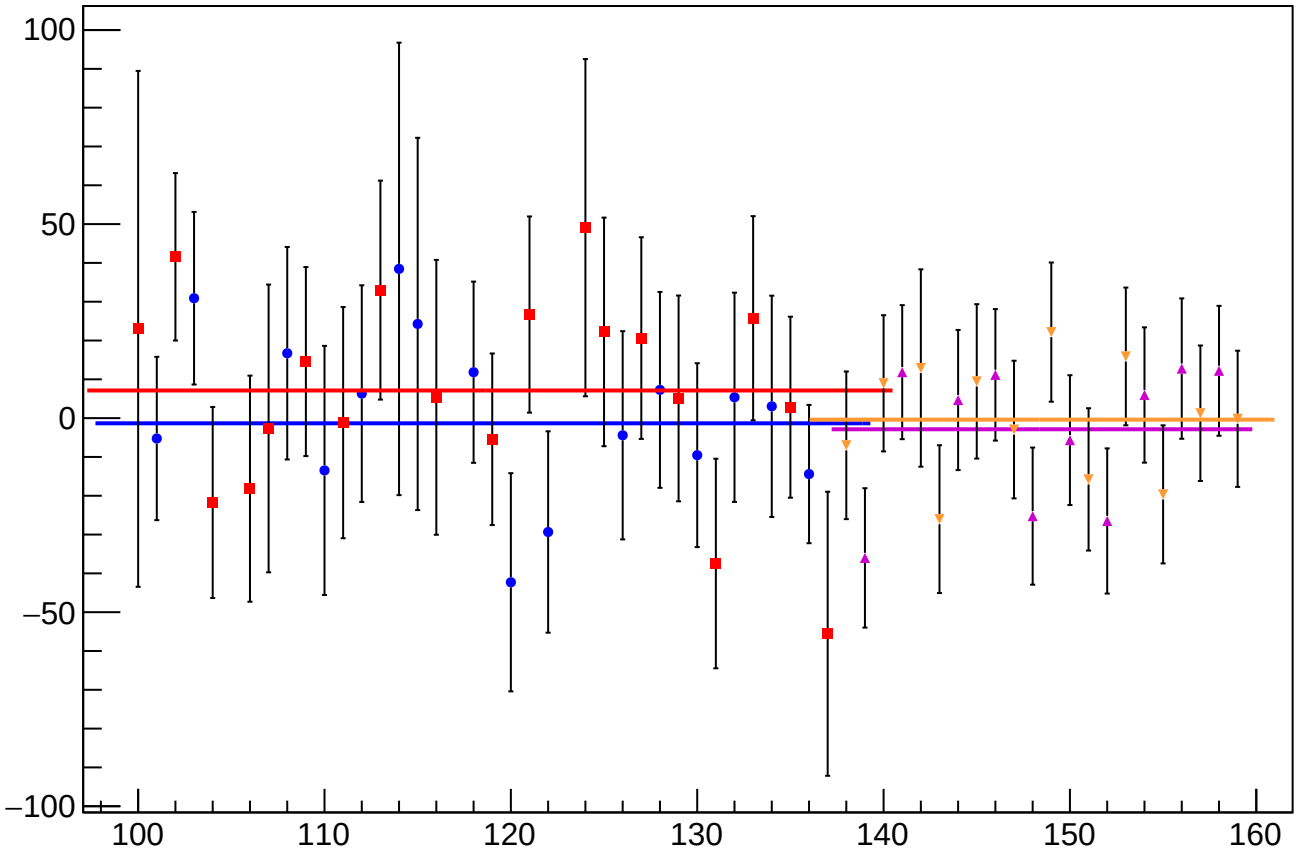
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 179.444+/-0.046 χ^2/NDF:1350801.4/9

+ sign 209.206+/-0.038 χ^2/NDF: 2129939.7/27

All: 190.695+/-0.025 χ^2/NDF: 5570875.4/56

- sign 176.281+/-0.034 χ^2/NDF: 3019896.2/28



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.386+/-5.348 χ^2/NDF:7.1/11

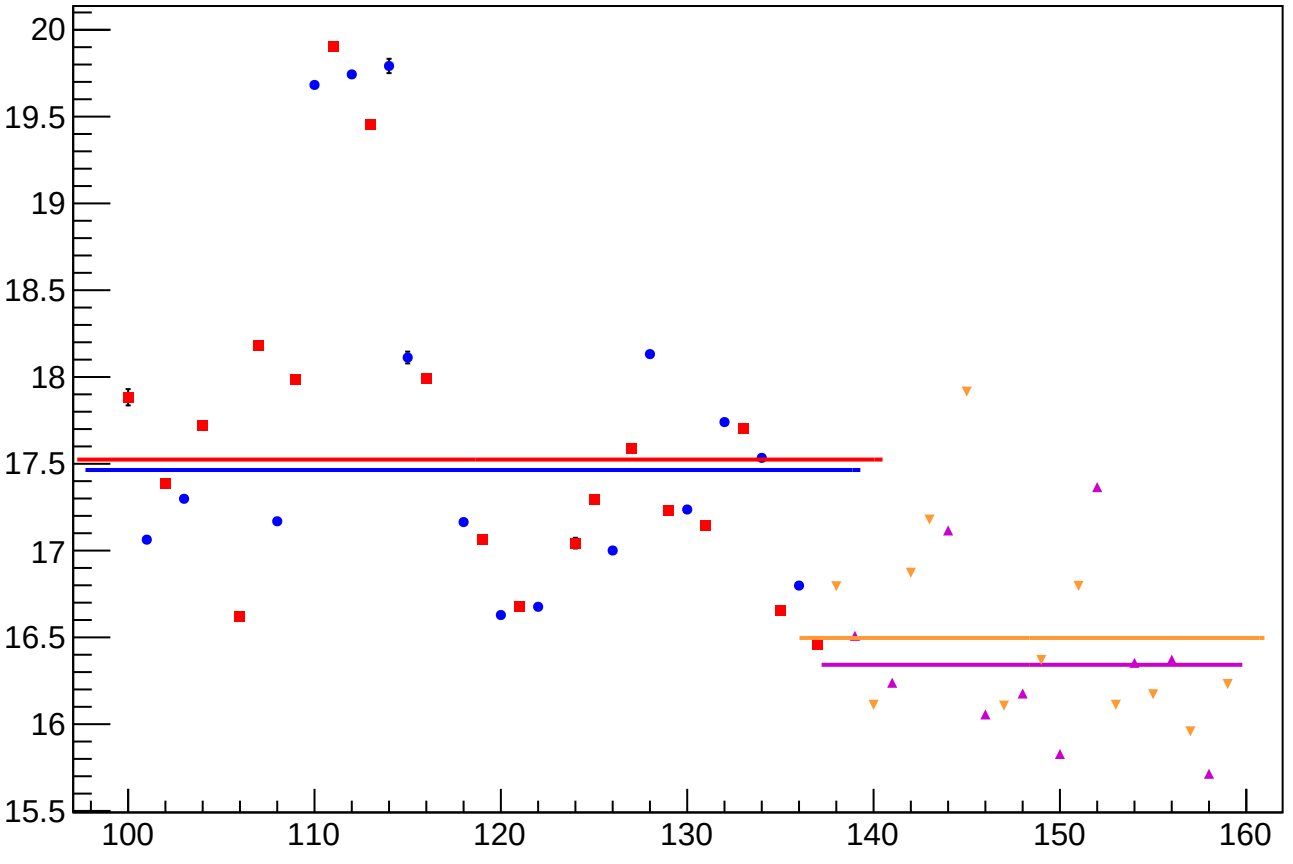
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -2.870+/-5.542 χ^2/NDF:10.0/9

+ sign -0.767+/-4.129 χ^2/NDF: 15.1/27

All: 0.306+/-2.941 χ^2/NDF: 41.1/56

- sign 1.412+/-4.190 χ^2/NDF: 25.8/28



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.497+/-0.004 χ^2/NDF:20190.8/11

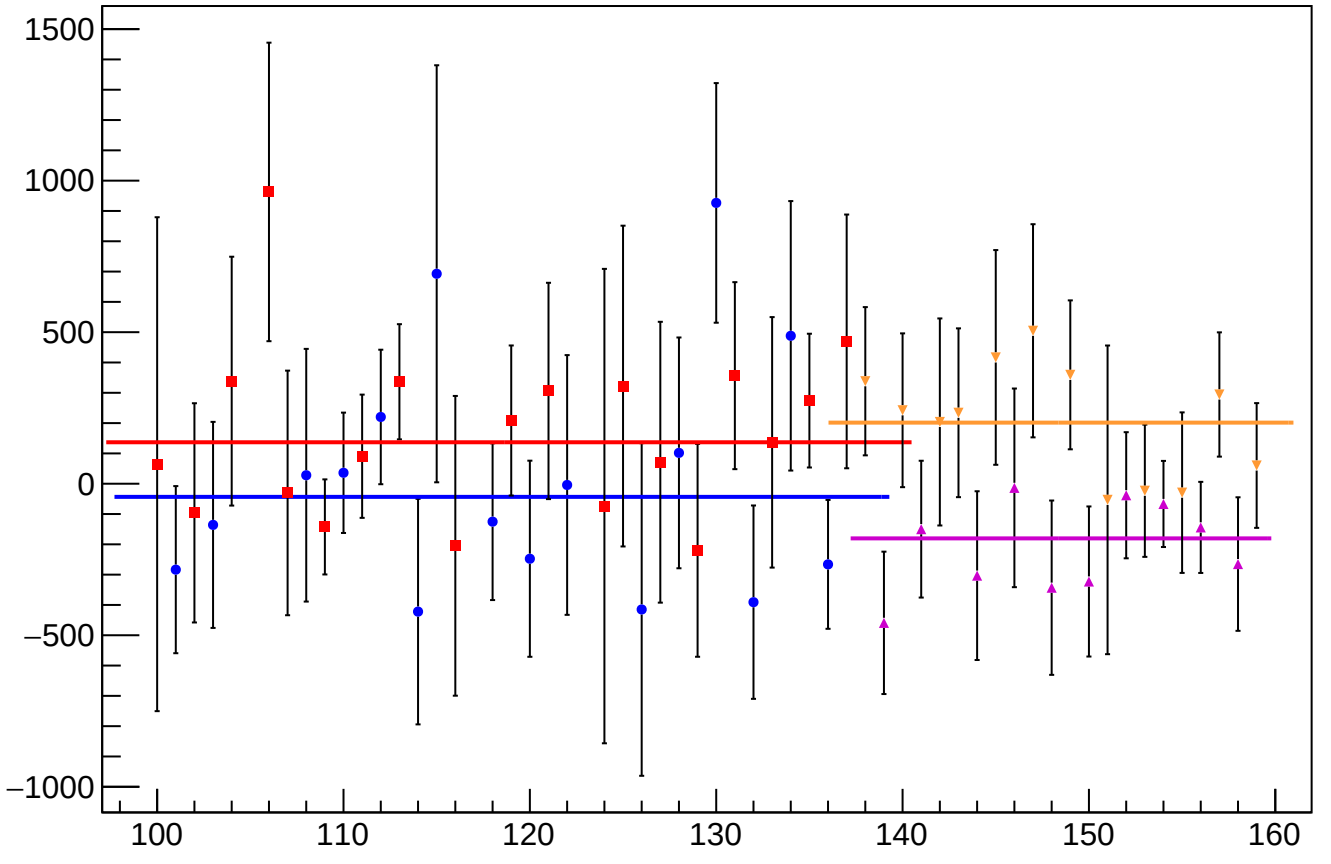
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.342+/-0.004 χ^2/NDF:15358.8/9

+ sign 16.887+/-0.003 χ^2/NDF: 83273.6/27

All: 16.868+/-0.002 χ^2/NDF: 172438.5/56

- sign 16.848+/-0.003 χ^2/NDF: 89077.8/28



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 201.601+/-76.063 χ^2/NDF:4.6/11

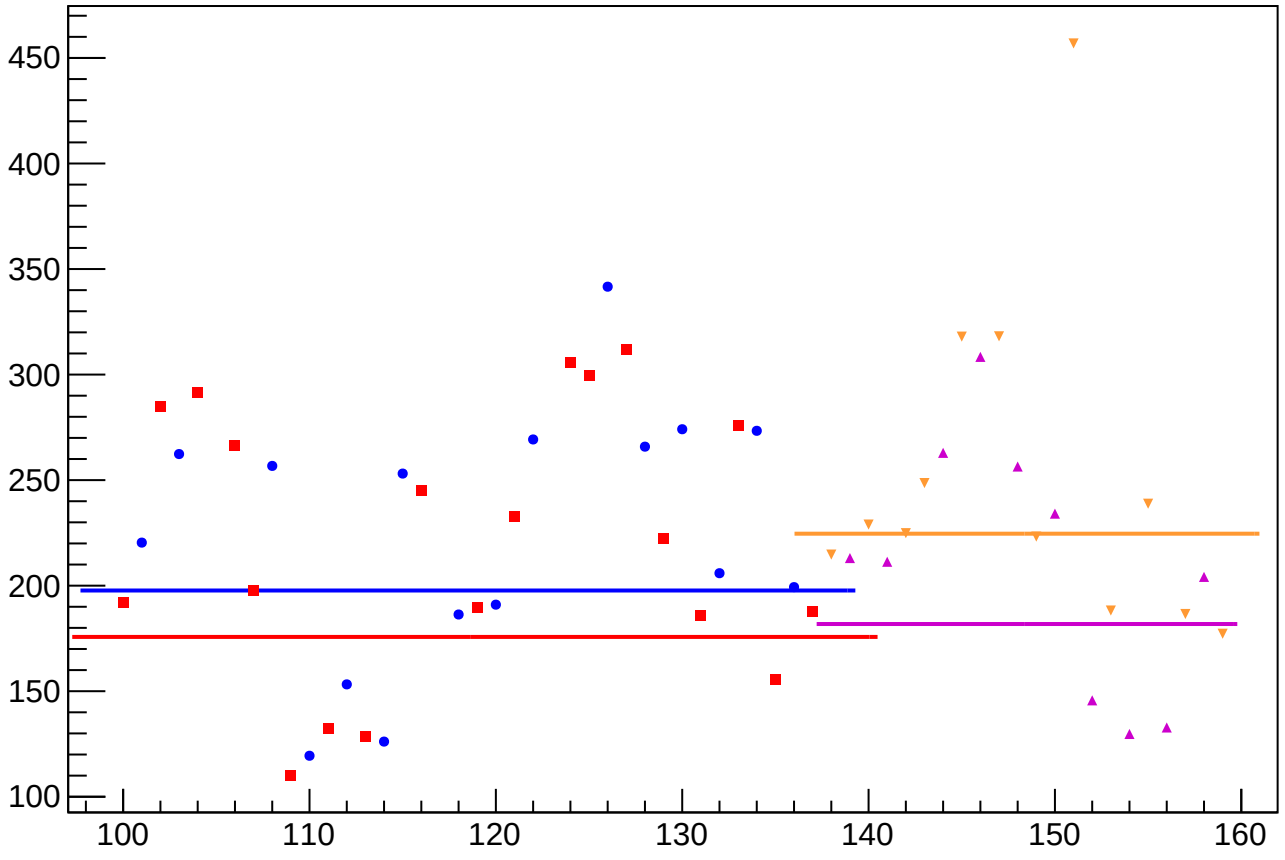
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -180.387+/-66.540 χ^2/NDF:3.8/9

+ sign 81.533+/-54.314 χ^2/NDF: 25.2/27

All: 19.658+/-36.002 χ^2/NDF: 53.7/56

- sign -28.832+/-48.082 χ^2/NDF: 26.2/28



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 224.621+/-0.054 χ^2/NDF:951426.6/11

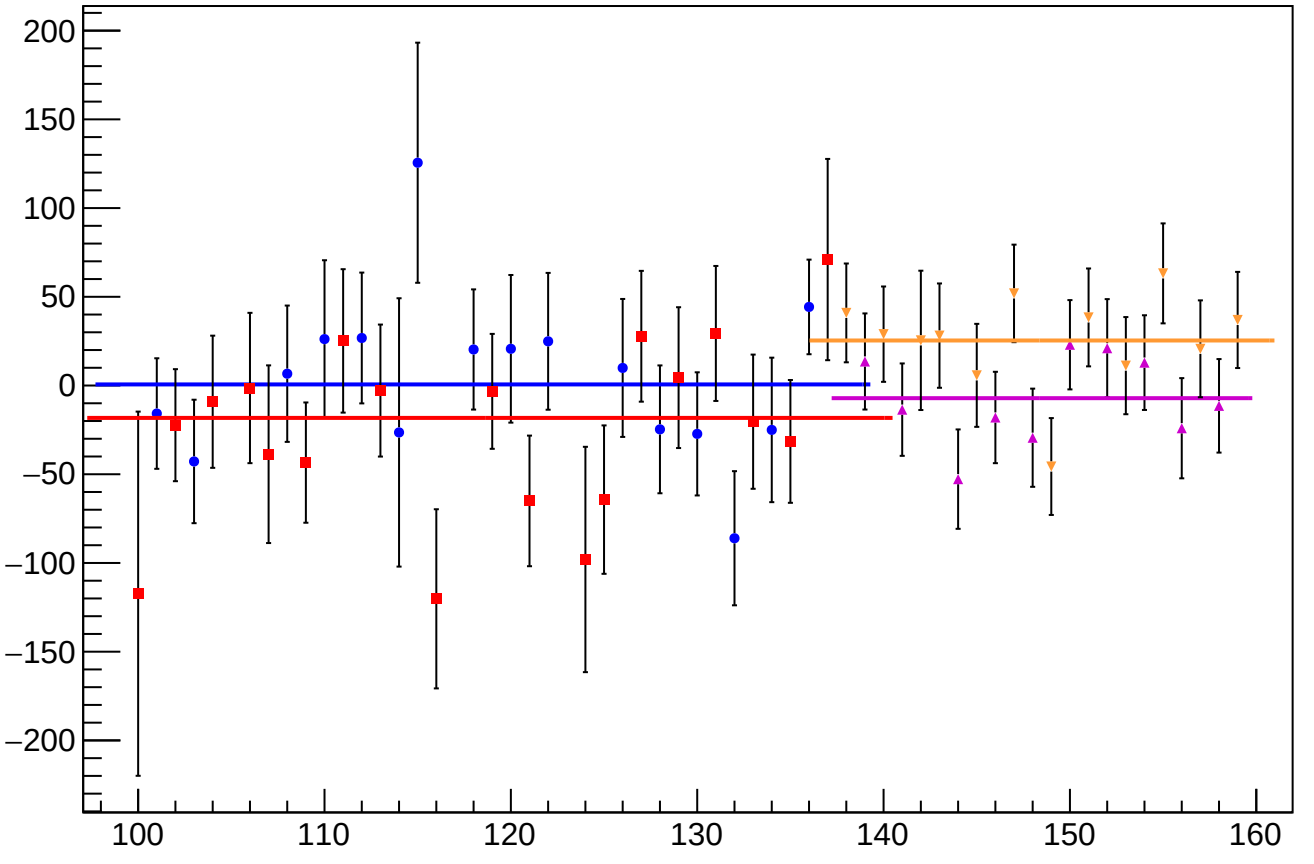
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 181.829+/-0.047 χ^2/NDF:1323666.0/9

+ sign 211.430+/-0.038 χ^2/NDF: 2074469.6/27

All: 193.197+/-0.025 χ^2/NDF: 5398786.9/56

- sign 178.908+/-0.034 χ^2/NDF: 2922293.7/28



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

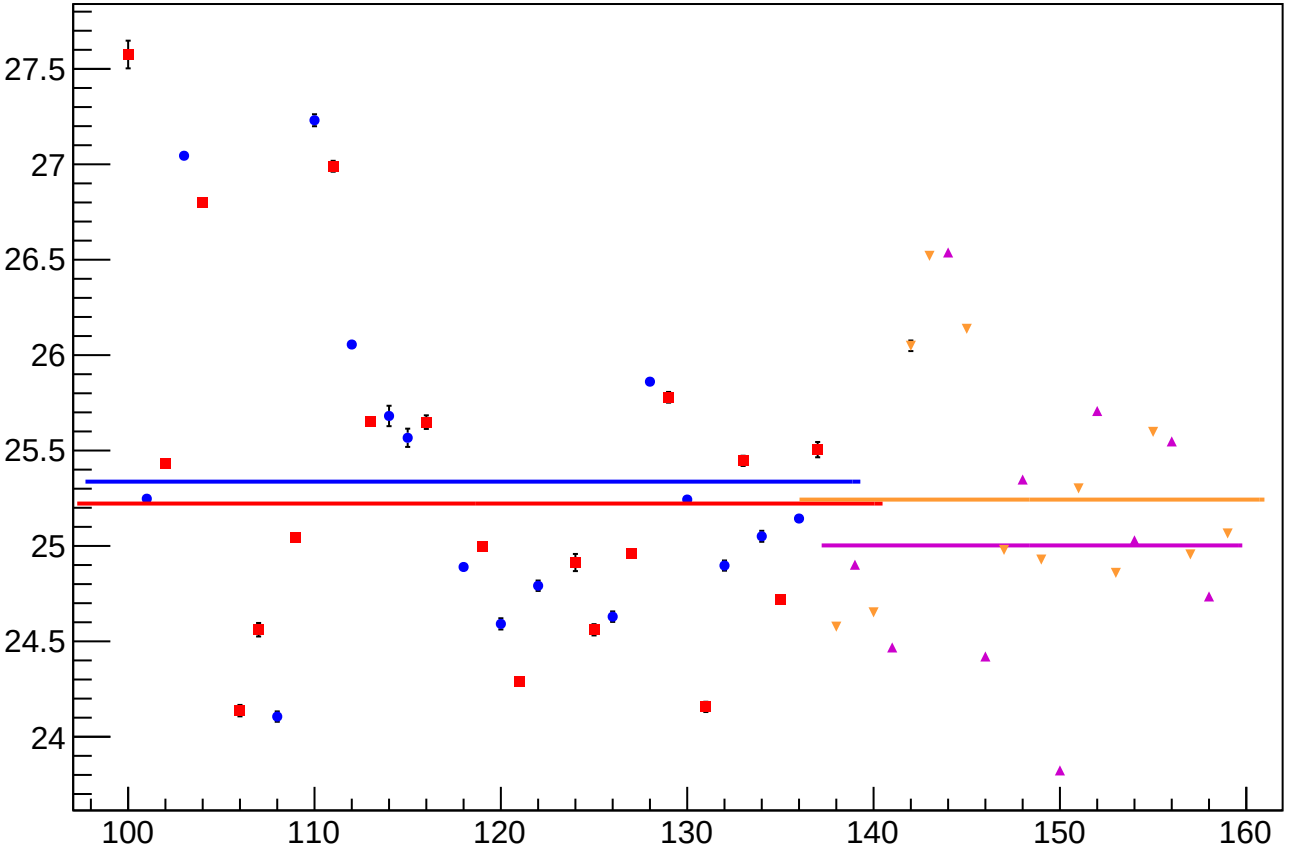
Left In: -7.128+/-8.478 χ^2/NDF:7.5/9

+ sign 14.738+/-6.177 χ^2/NDF: 31.7/27

All: 1.386+/-4.389 χ^2/NDF: 67.4/56

- sign -12.230+/-6.237 χ^2/NDF: 26.3/28

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

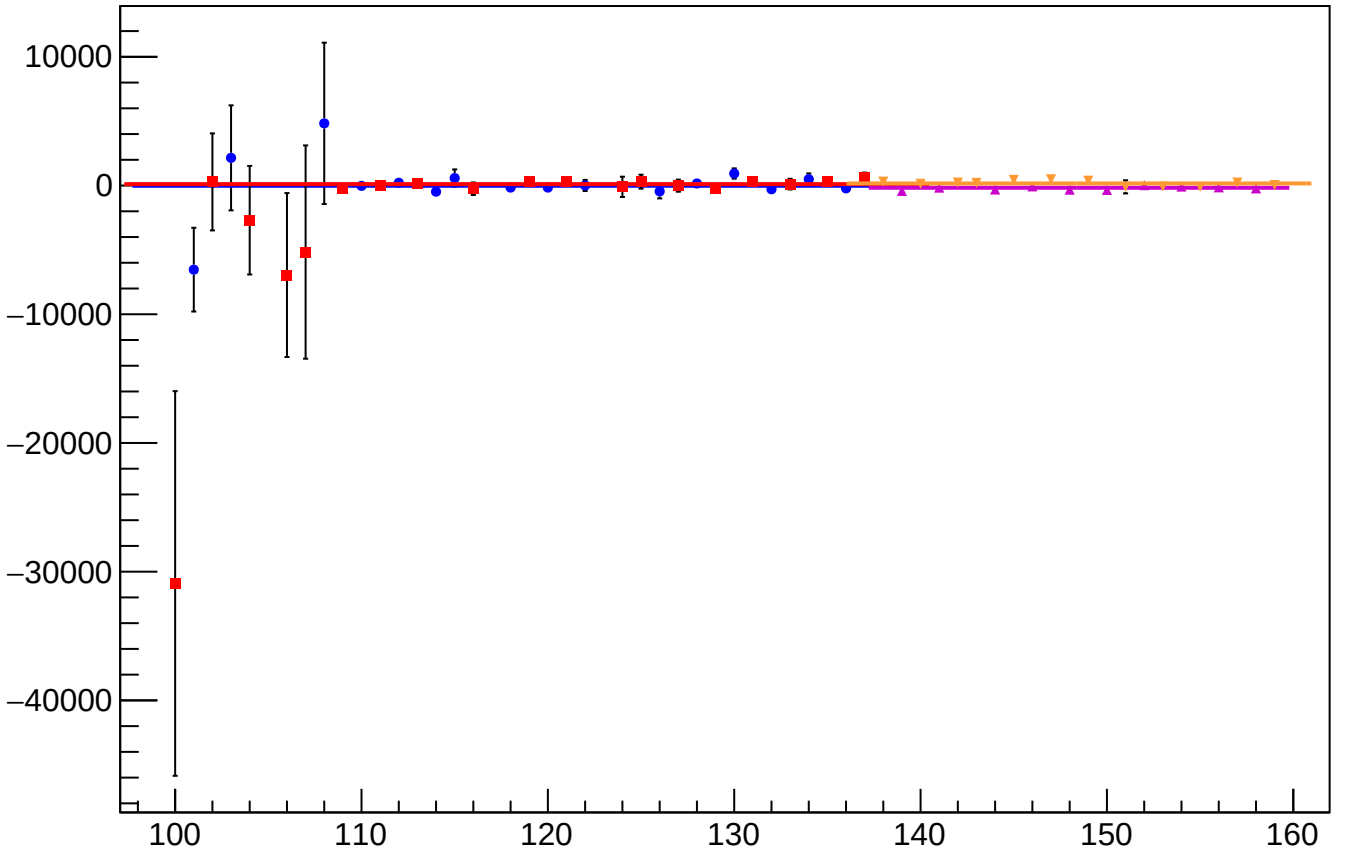
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.003+/-0.006 χ^2/NDF:14855.9/9

+ sign 25.283+/-0.004 χ^2/NDF: 24539.1/27

All: 25.194+/-0.003 χ^2/NDF: 56074.7/56

- sign 25.103+/-0.004 χ^2/NDF: 30695.0/28



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

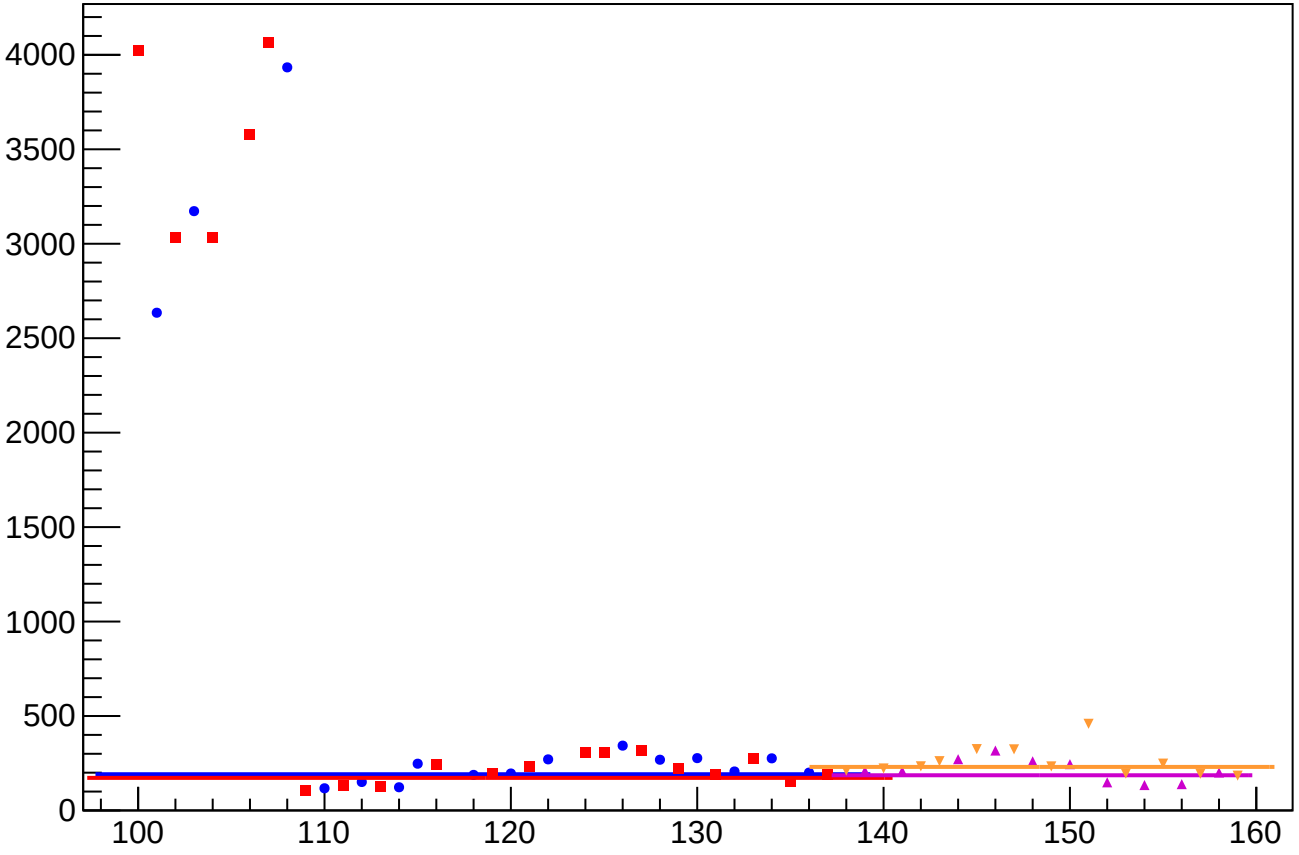
Left In: -172.098+/-67.960 χ^2/NDF:3.5/9

+ sign 82.154+/-57.335 χ^2/NDF: 26.1/27

All: 8.138+/-38.217 χ^2/NDF: 54.0/56

- sign -51.042+/-51.268 χ^2/NDF: 24.9/28

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 230.470+/-0.055 χ^2/NDF:917846.5/11

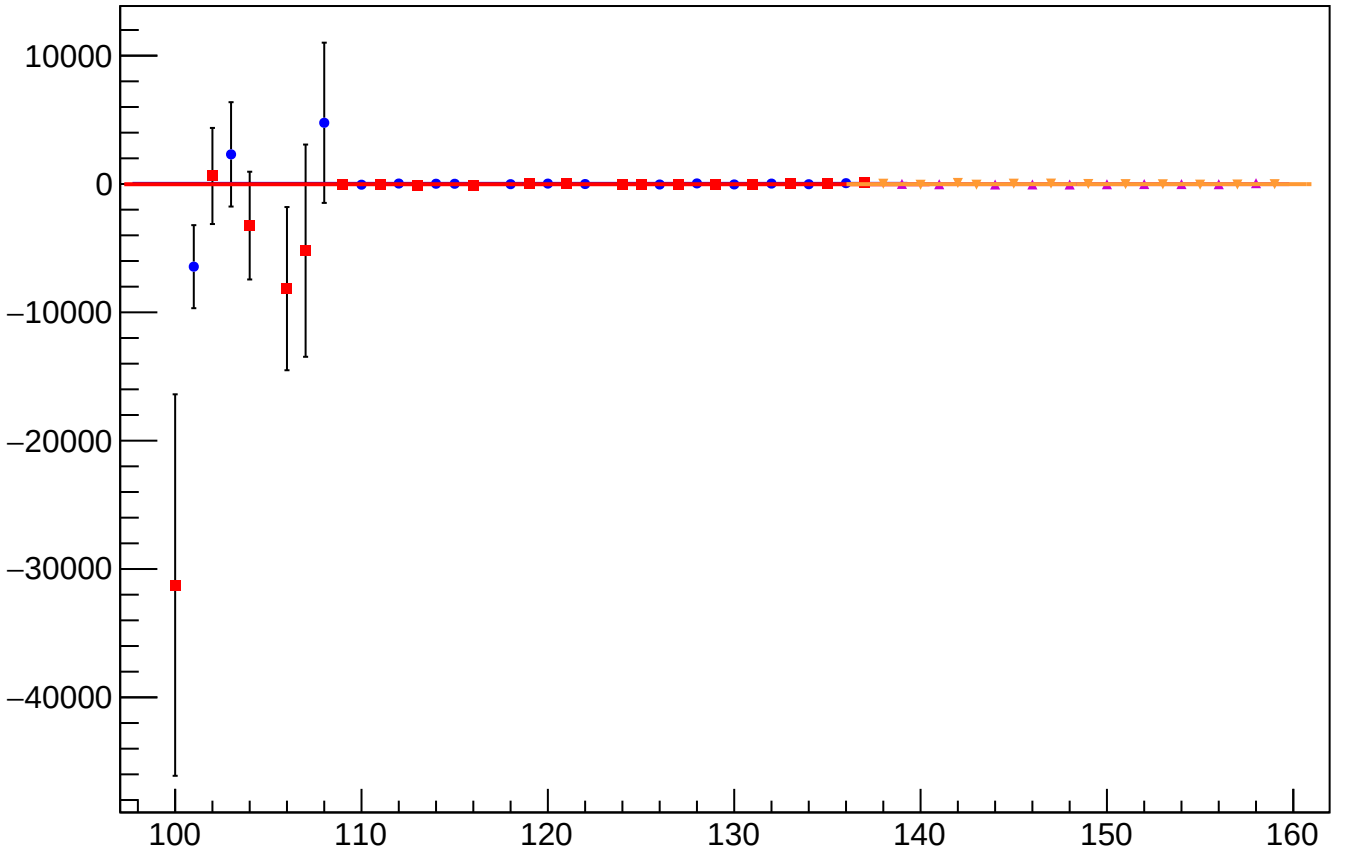
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.296+/-0.048 χ^2/NDF:1240757.5/9

+ sign 212.722+/-0.041 χ^2/NDF: 4966262.3/27

All: 194.724+/-0.027 χ^2/NDF: 10900480.3/56

- sign 180.335+/-0.036 χ^2/NDF: 5579596.7/28



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

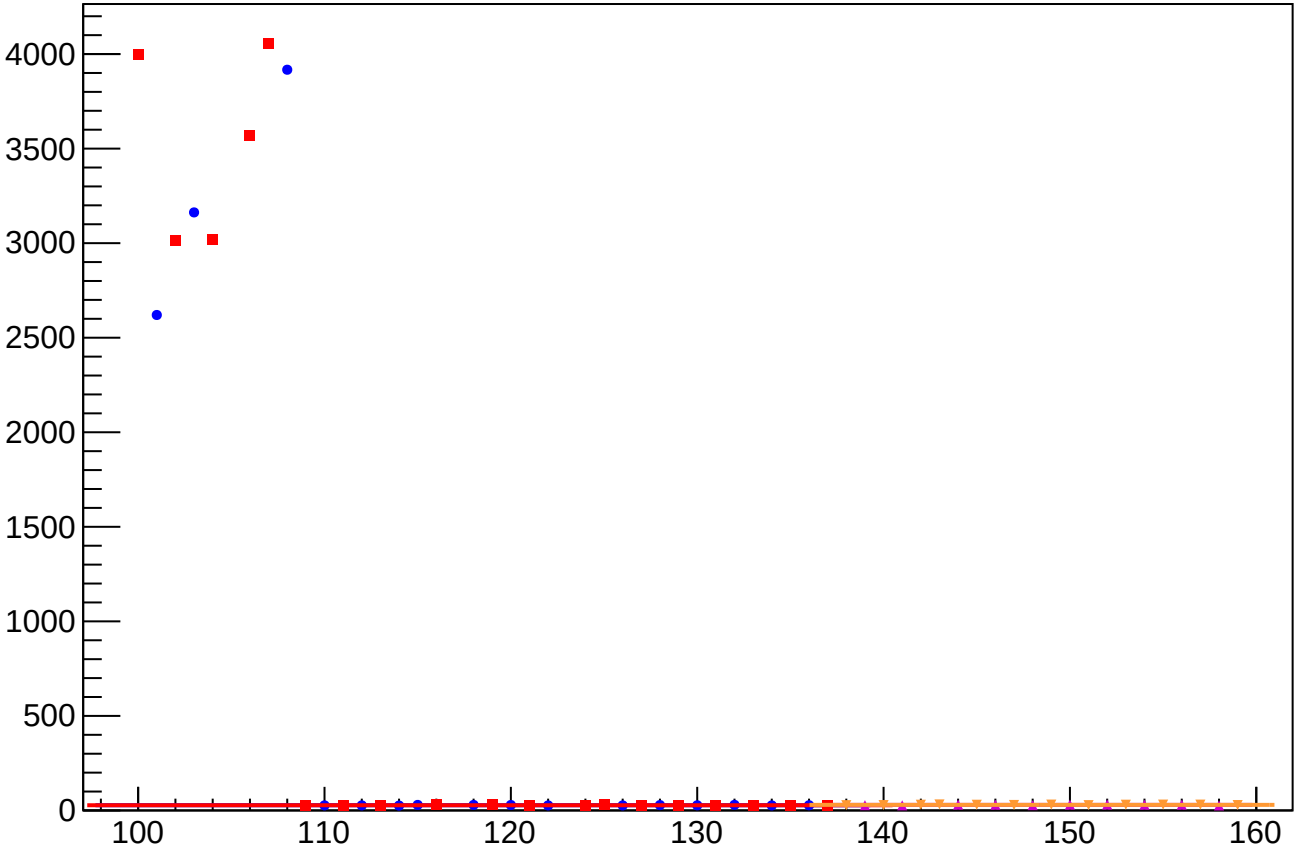
Left In: -6.714+/-9.996 χ^2/NDF:9.8/9

+ sign -3.583+/-7.417 χ^2/NDF: 32.3/27

All: -7.416+/-5.318 χ^2/NDF: 68.0/56

- sign -11.471+/-7.628 χ^2/NDF: 35.1/28

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

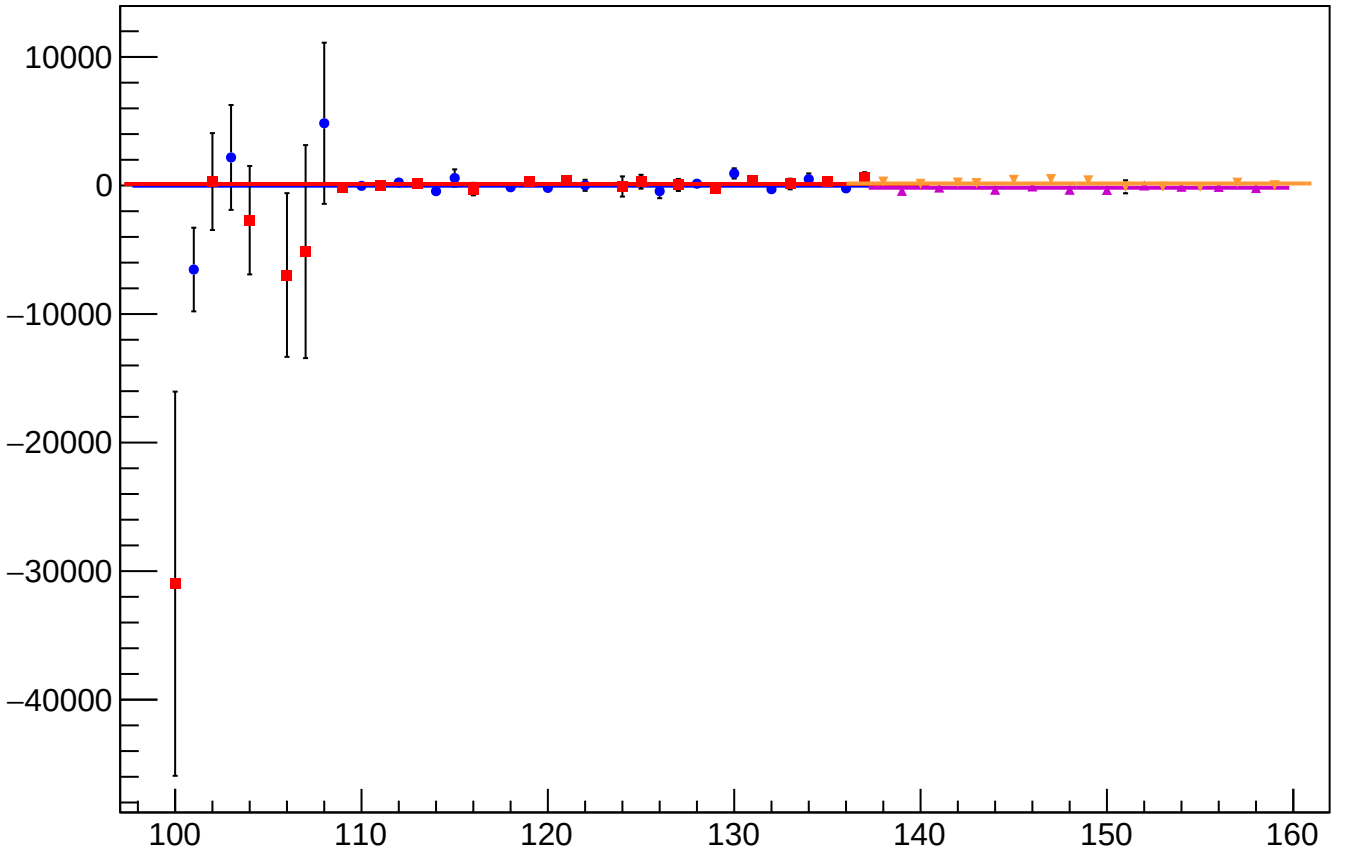
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.392+/-0.007 χ^2/NDF:65275.3/9

+ sign 28.786+/-0.005 χ^2/NDF: 3333200.9/27

All: 28.703+/-0.004 χ^2/NDF: 6983041.4/56

- sign 28.616+/-0.005 χ^2/NDF: 3649334.5/28



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 158.217+/-77.721 χ^2/NDF:5.8/11

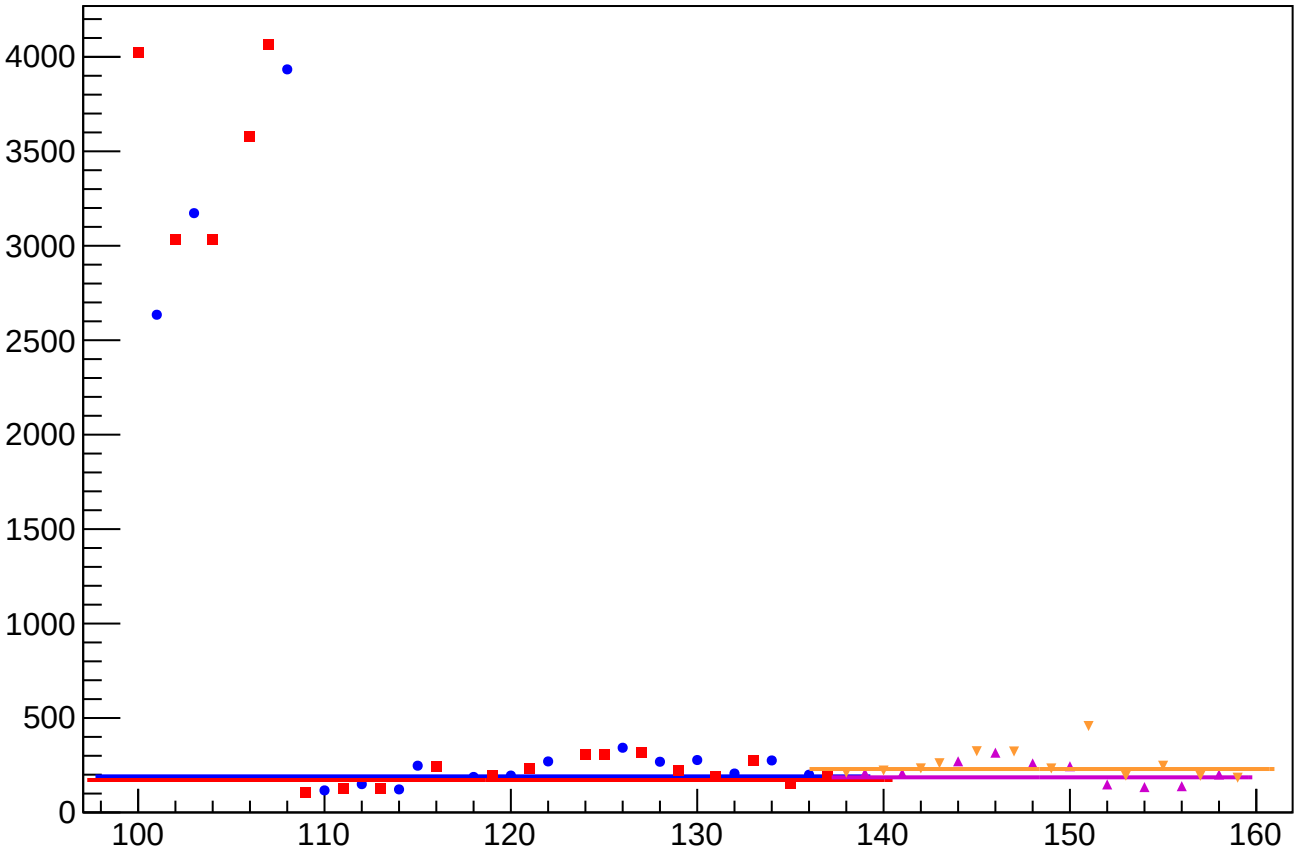
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -172.840+/-67.835 χ^2/NDF:3.4/9

\+ sign 79.631+/-57.190 χ^2/NDF: 26.3/27

All: 9.099+/-38.124 χ^2/NDF: 54.9/56

\- sign -47.316+/-51.147 χ^2/NDF: 25.8/28



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 229.961+/-0.055 χ^2/NDF:917809.1/11

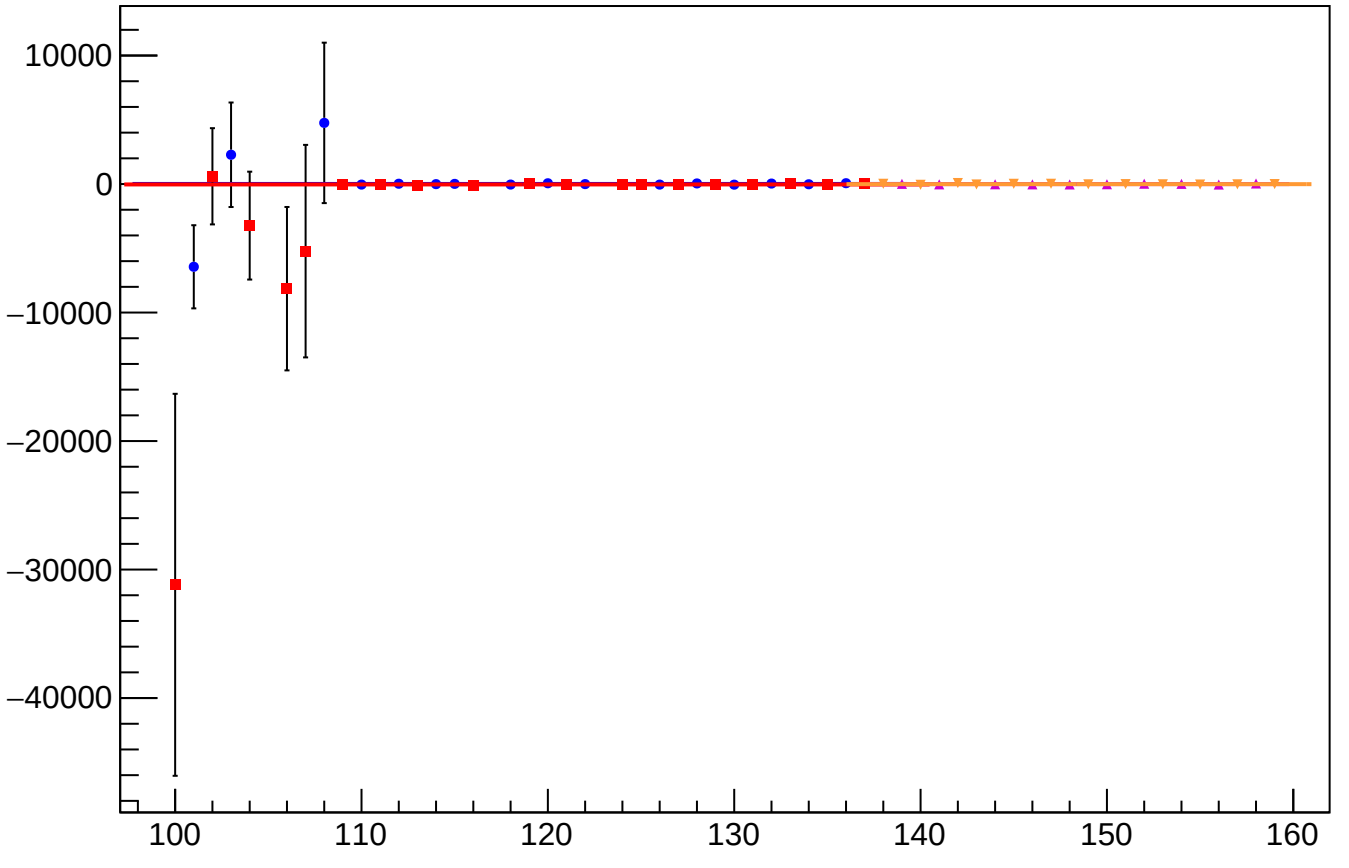
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 185.958+/-0.048 χ^2/NDF:1240257.4/9

+ sign 212.127+/-0.040 χ^2/NDF: 4981396.2/27

All: 194.202+/-0.027 χ^2/NDF: 10927434.0/56

- sign 179.864+/-0.036 χ^2/NDF: 5592386.5/28



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

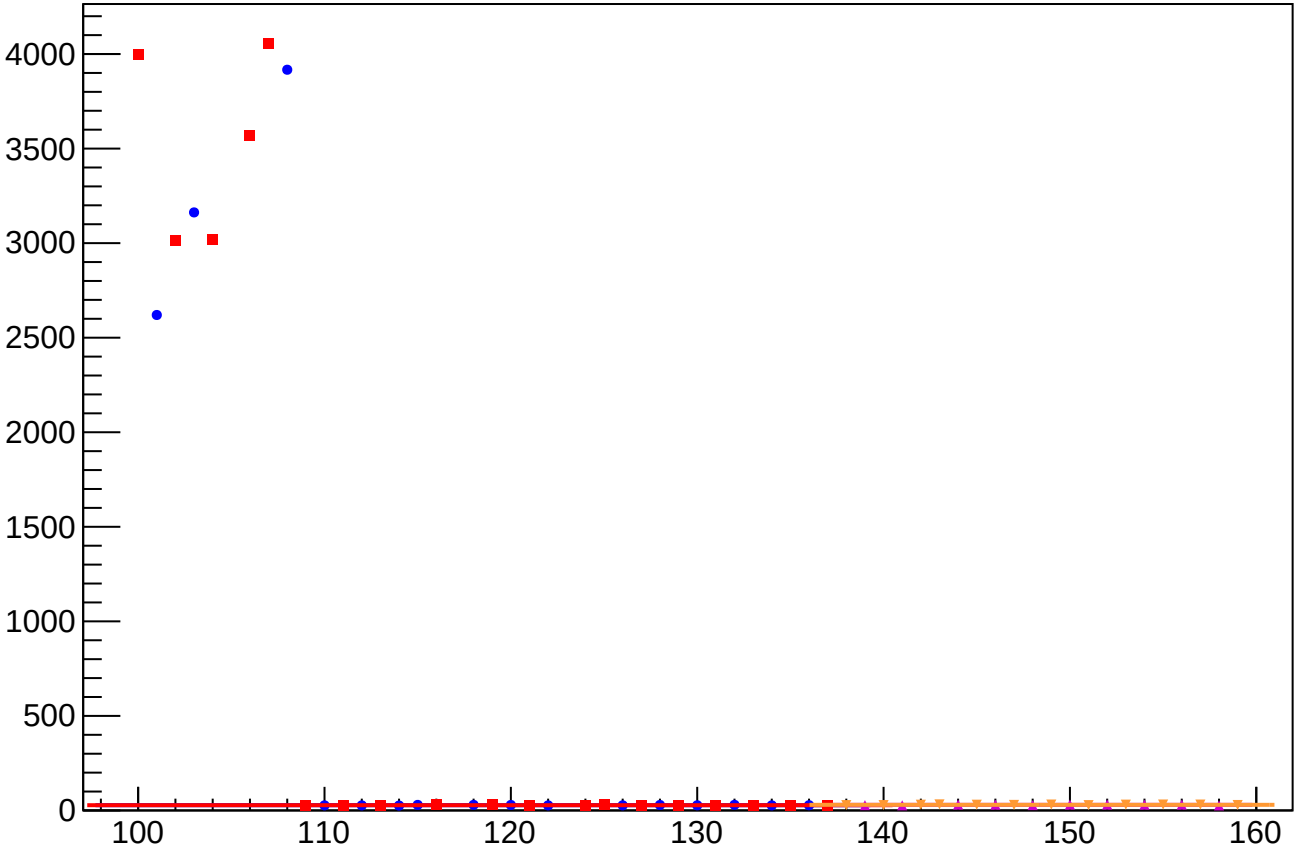
Left In: -3.734+/-10.054 χ^2/NDF:7.1/9

+ sign -2.808+/-7.471 χ^2/NDF: 29.6/27

All: -8.771+/-5.355 χ^2/NDF: 61.0/56

- sign -15.073+/-7.680 χ^2/NDF: 30.1/28

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

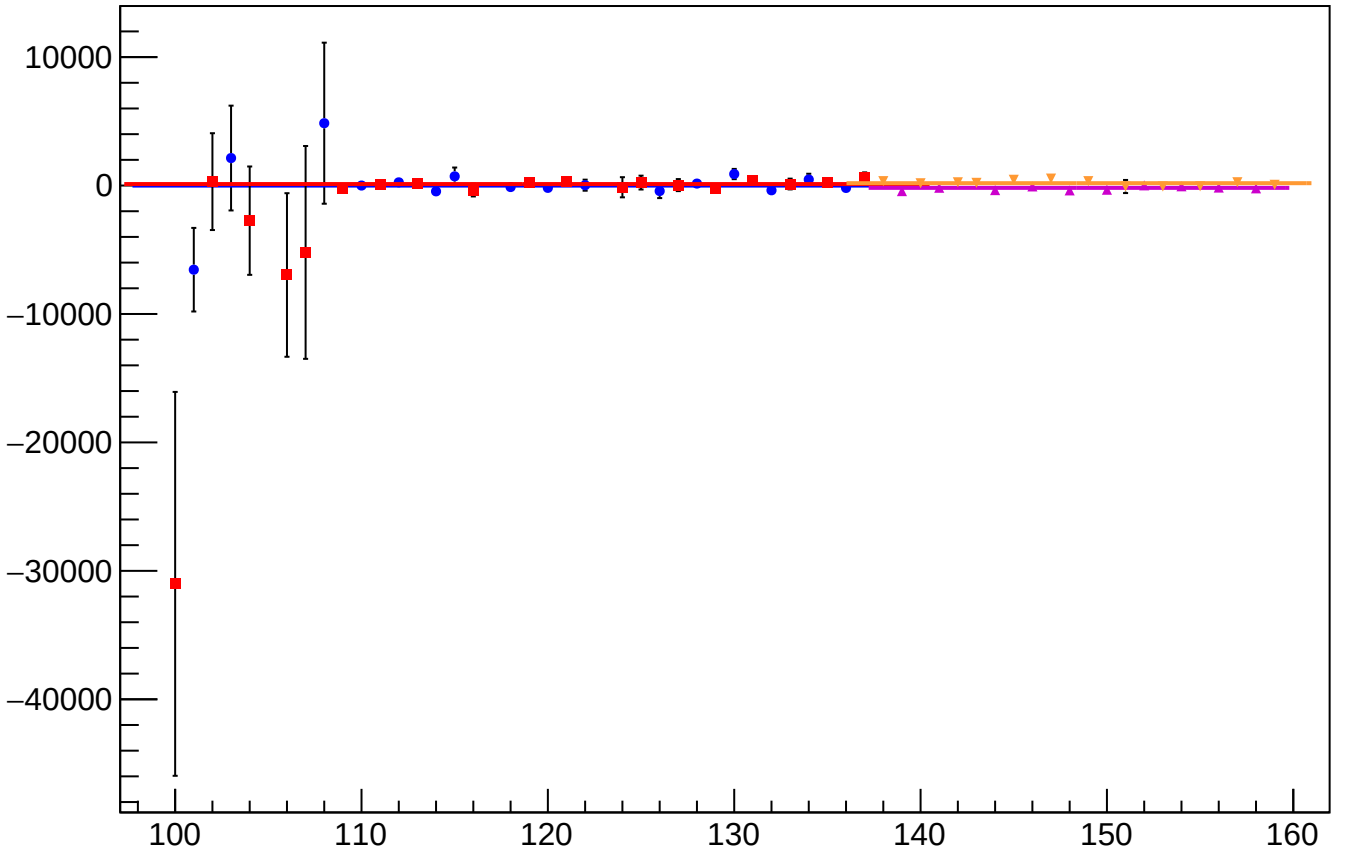
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.565+/-0.007 χ^2/NDF:67463.7/9

\+ sign 28.993+/-0.005 χ^2/NDF: 3337482.6/27

All: 28.905+/-0.004 χ^2/NDF: 6991253.6/56

\- sign 28.811+/-0.005 χ^2/NDF: 3653191.7/28



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 183.364+/-78.550 χ^2/NDF:5.2/11

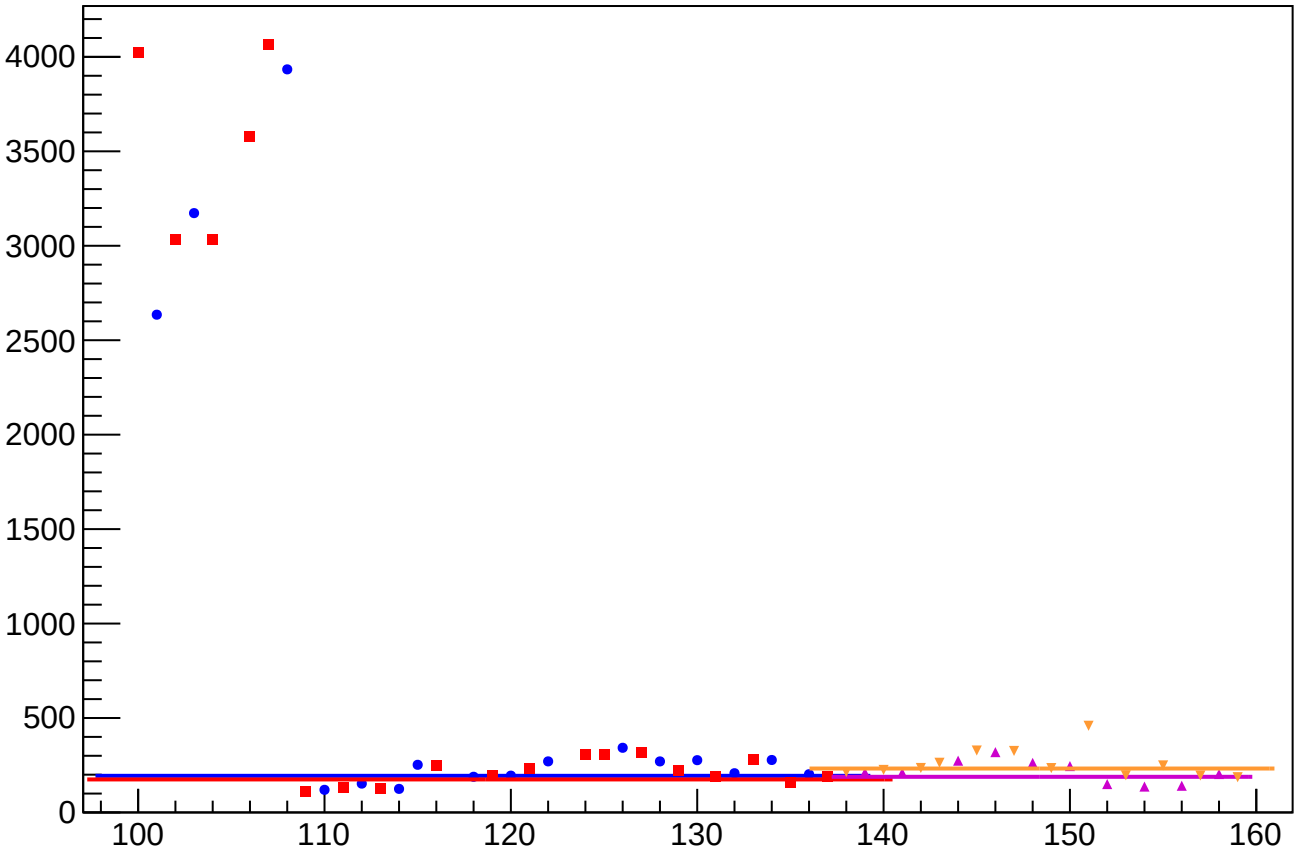
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -180.098+/-68.739 χ^2/NDF:4.0/9

+ sign 98.165+/-57.847 χ^2/NDF: 26.0/27

All: 14.591+/-38.607 χ^2/NDF: 55.5/56

- sign -52.535+/-51.843 χ^2/NDF: 25.8/28



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 232.547+/-0.056 χ^2/NDF:907444.7/11

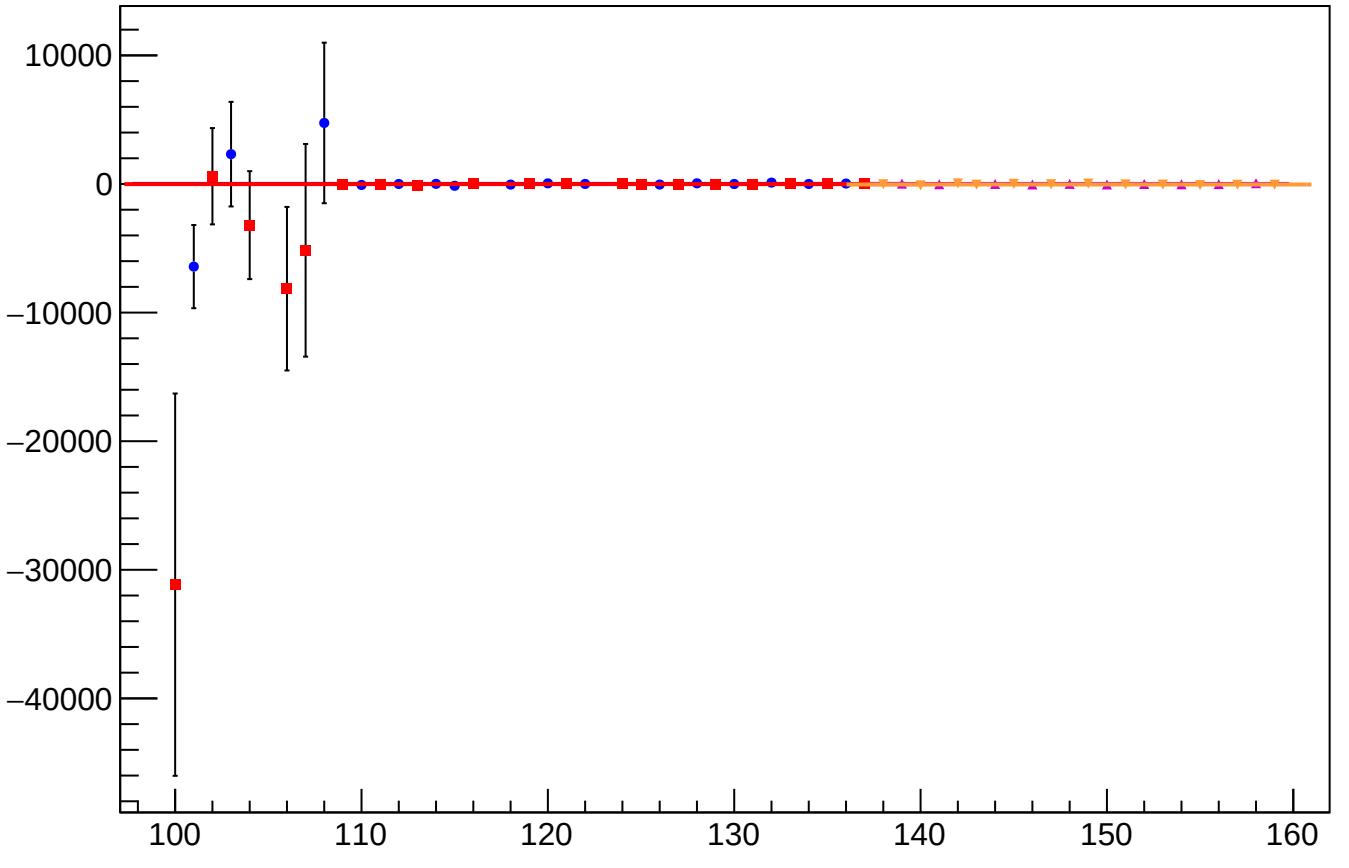
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.679+/-0.049 χ^2/NDF:1215485.8/9

+ sign 214.881+/-0.041 χ^2/NDF: 4912954.6/27

All: 197.026+/-0.027 χ^2/NDF: 10766583.3/56

- sign 182.686+/-0.037 χ^2/NDF: 5510068.6/28



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

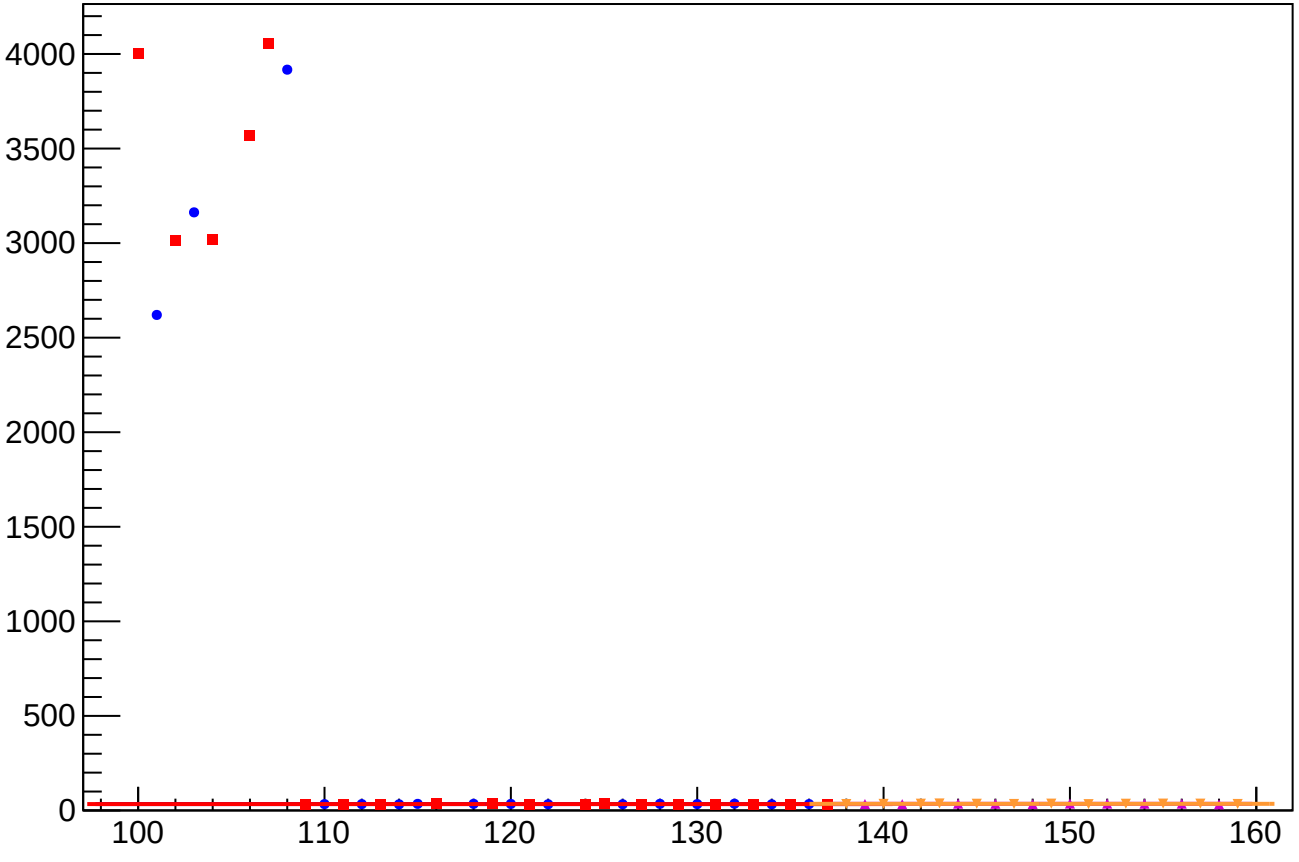
Left In: 2.780+/-11.868 χ^2/NDF:6.3/9

+ sign -21.506+/-8.897 χ^2/NDF: 36.5/27

All: -12.227+/-6.384 χ^2/NDF: 68.9/56

- sign -2.377+/-9.167 χ^2/NDF: 30.2/28

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

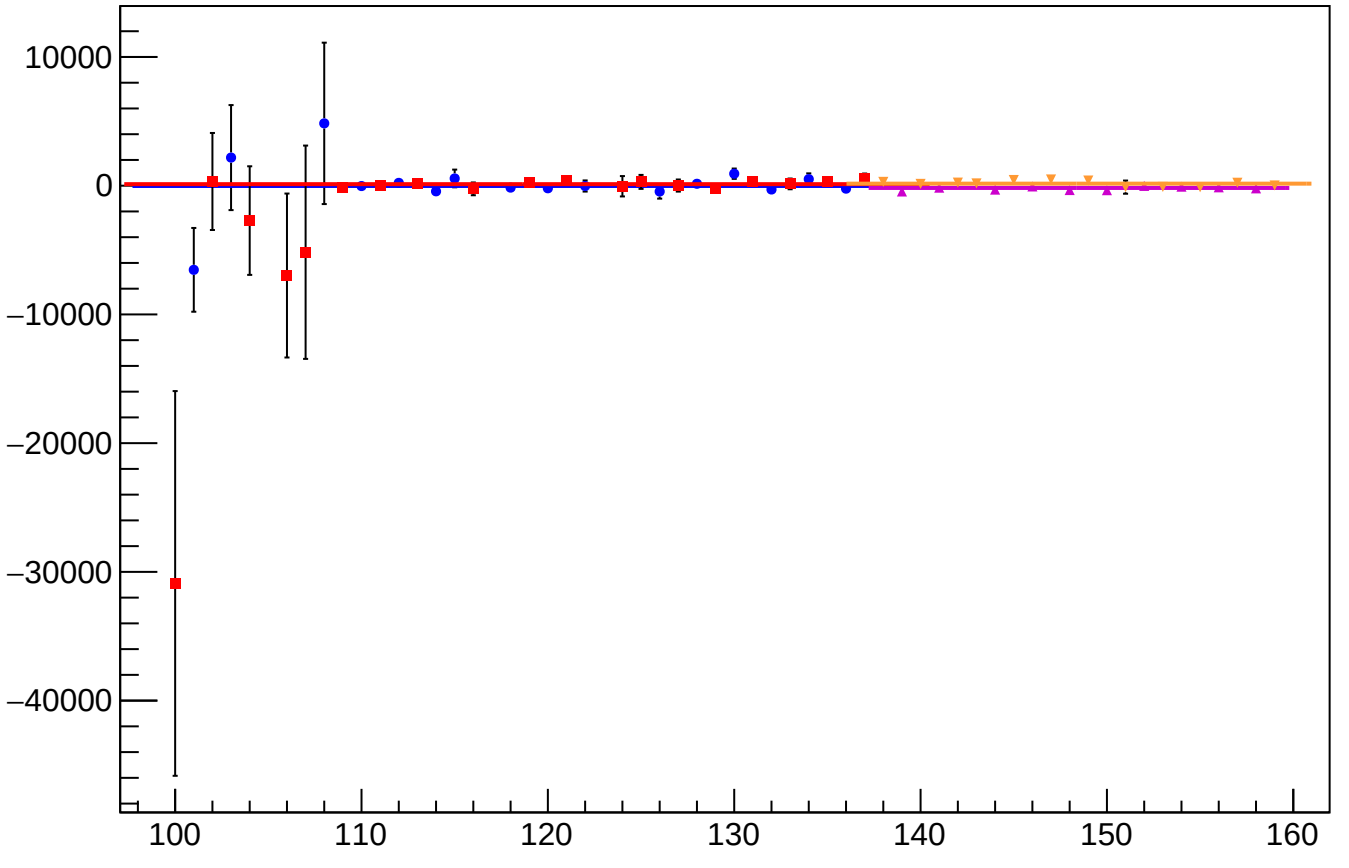
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.978+/-0.008 χ^2/NDF:25555.1/9

+ sign 34.600+/-0.006 χ^2/NDF: 3269215.6/27

All: 34.538+/-0.005 χ^2/NDF: 6830404.8/56

- sign 34.473+/-0.006 χ^2/NDF: 3560990.9/28



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 159.134+/-78.282 χ^2/NDF:5.8/11

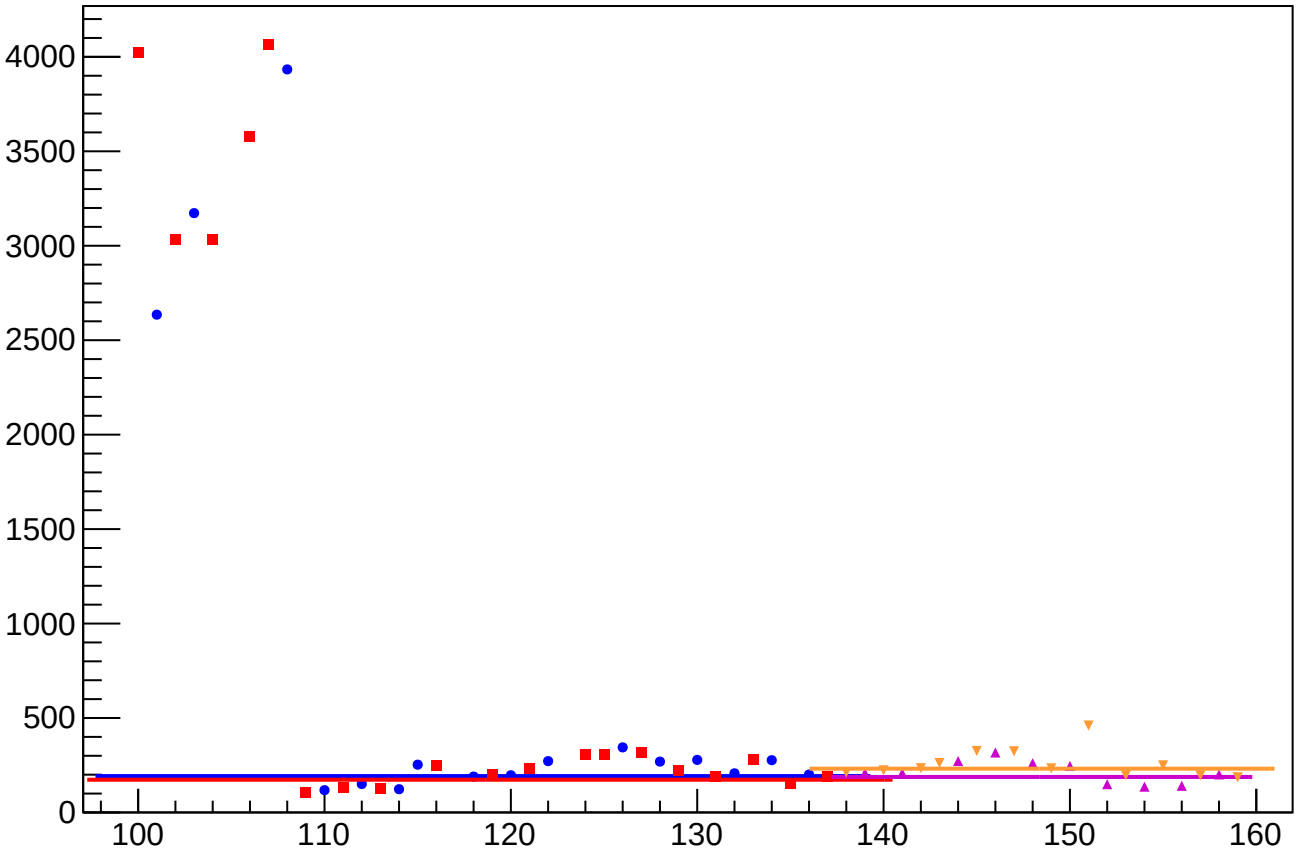
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -175.294+/-68.458 χ^2/NDF:3.6/9

+ sign 77.210+/-57.602 χ^2/NDF: 26.3/27

All: 7.898+/-38.426 χ^2/NDF: 53.9/56

- sign -47.683+/-51.582 χ^2/NDF: 24.9/28



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 231.756+/-0.055 χ^2/NDF:903251.0/11

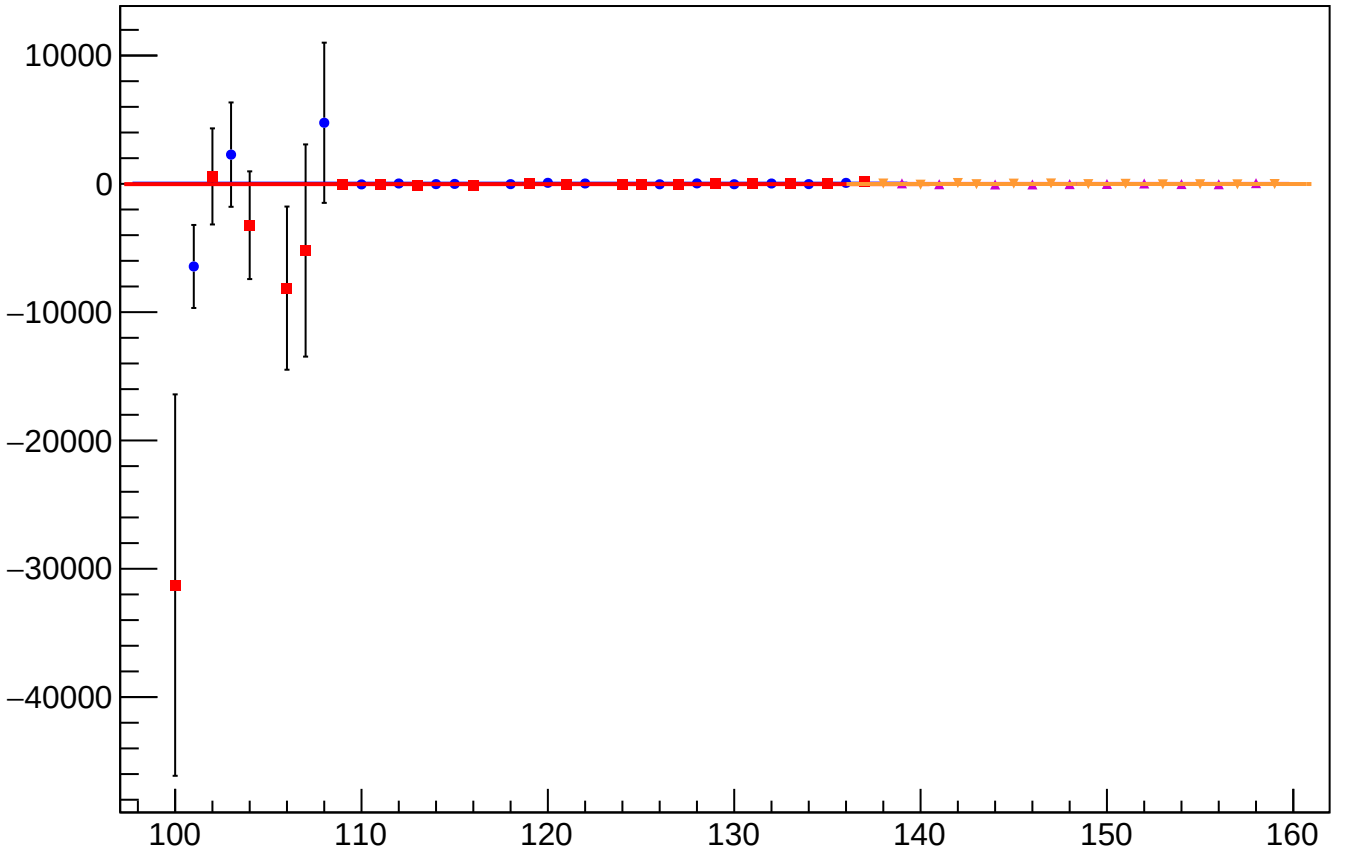
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 187.919+/-0.048 χ^2/NDF:1203681.7/9

+ sign 213.783+/-0.041 χ^2/NDF: 4955967.2/27

All: 195.910+/-0.027 χ^2/NDF: 10853723.5/56

- sign 181.578+/-0.036 χ^2/NDF: 5550803.8/28



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

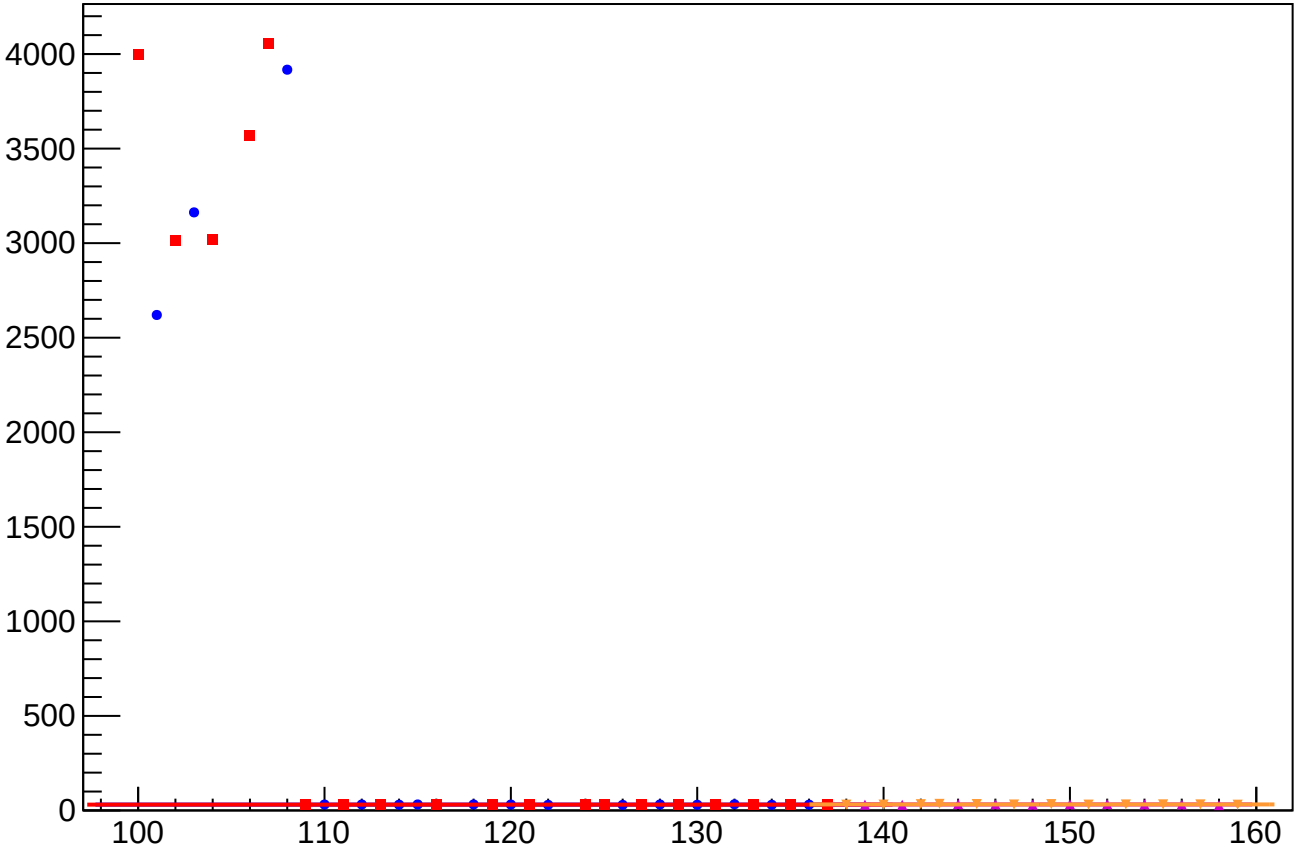
Left In: -4.627+/-10.780 χ^2/NDF:10.6/9

\+ sign -3.030+/-8.111 χ^2/NDF: 28.1/27

All: -7.428+/-5.816 χ^2/NDF: 69.2/56

\- sign -12.083+/-8.345 χ^2/NDF: 40.5/28

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

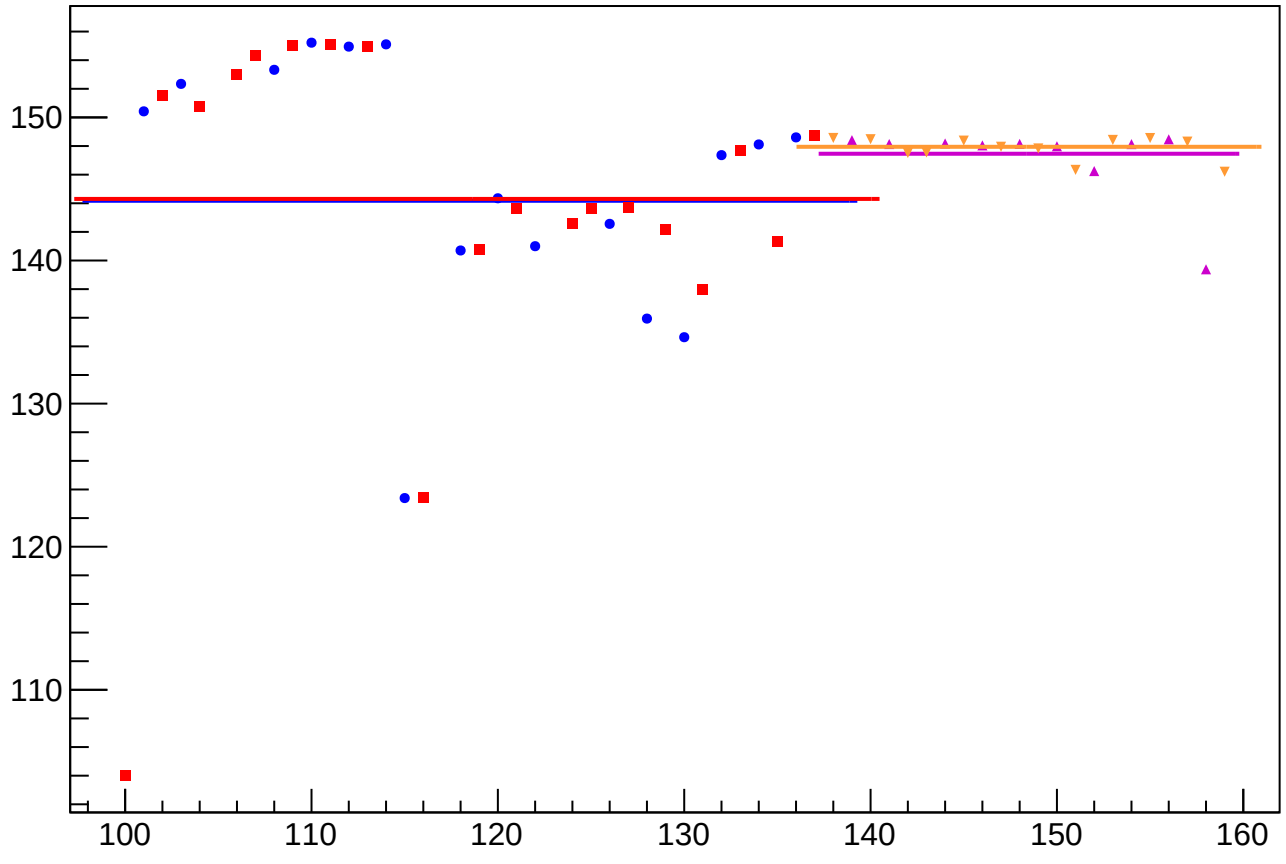
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.715+/-0.008 χ^2/NDF:53137.5/9

+ sign 31.516+/-0.006 χ^2/NDF: 3289840.6/27

All: 31.430+/-0.004 χ^2/NDF: 6885739.6/56

- sign 31.339+/-0.006 χ^2/NDF: 3595437.6/28



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

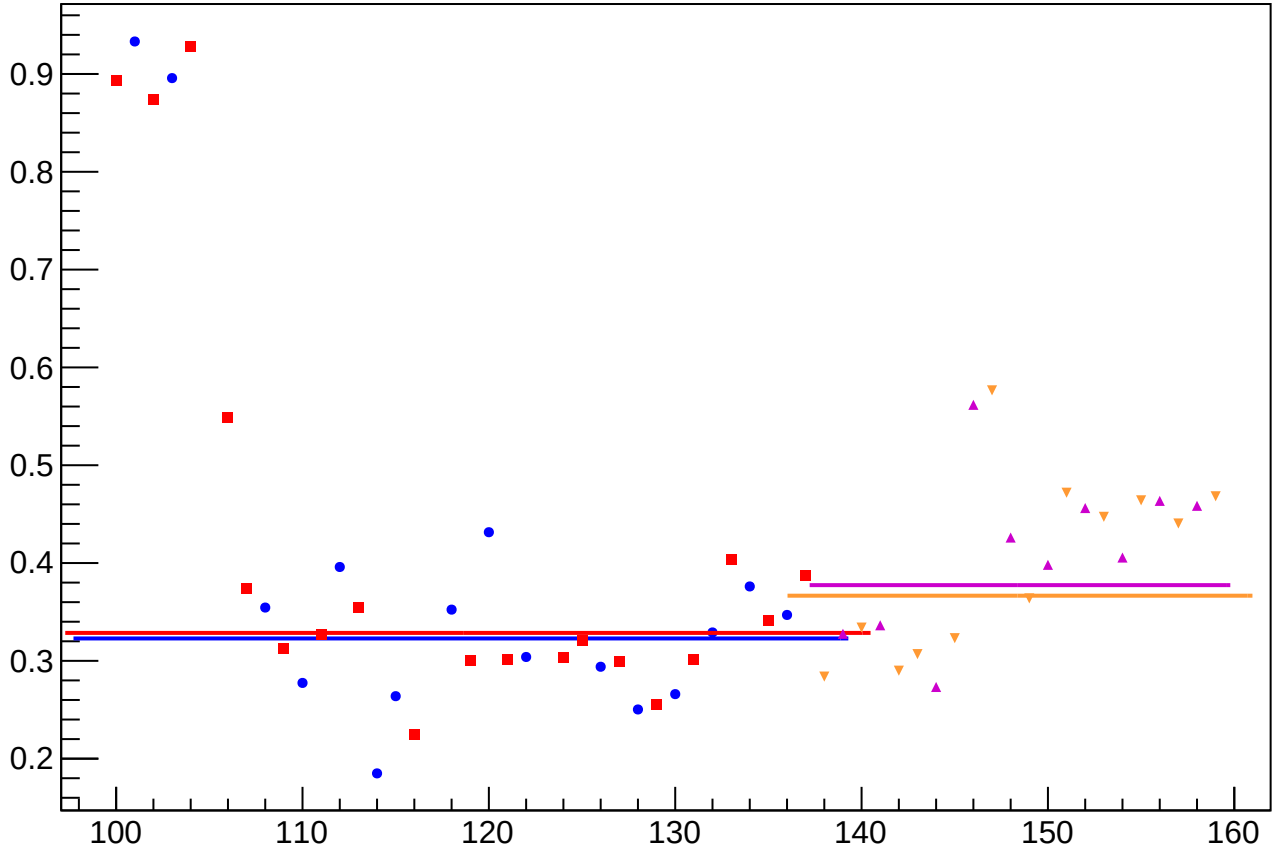
Left In: 147.461+/-0.000 χ^2/NDF:279448320.0/9

+ sign 146.177+/-0.000 χ^2/NDF: 4187831757.8/27

All: 146.031+/-0.000 χ^2/NDF: 9016704395.1

- sign 145.873+/-0.000 χ^2/NDF: 4823475513.5/28

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

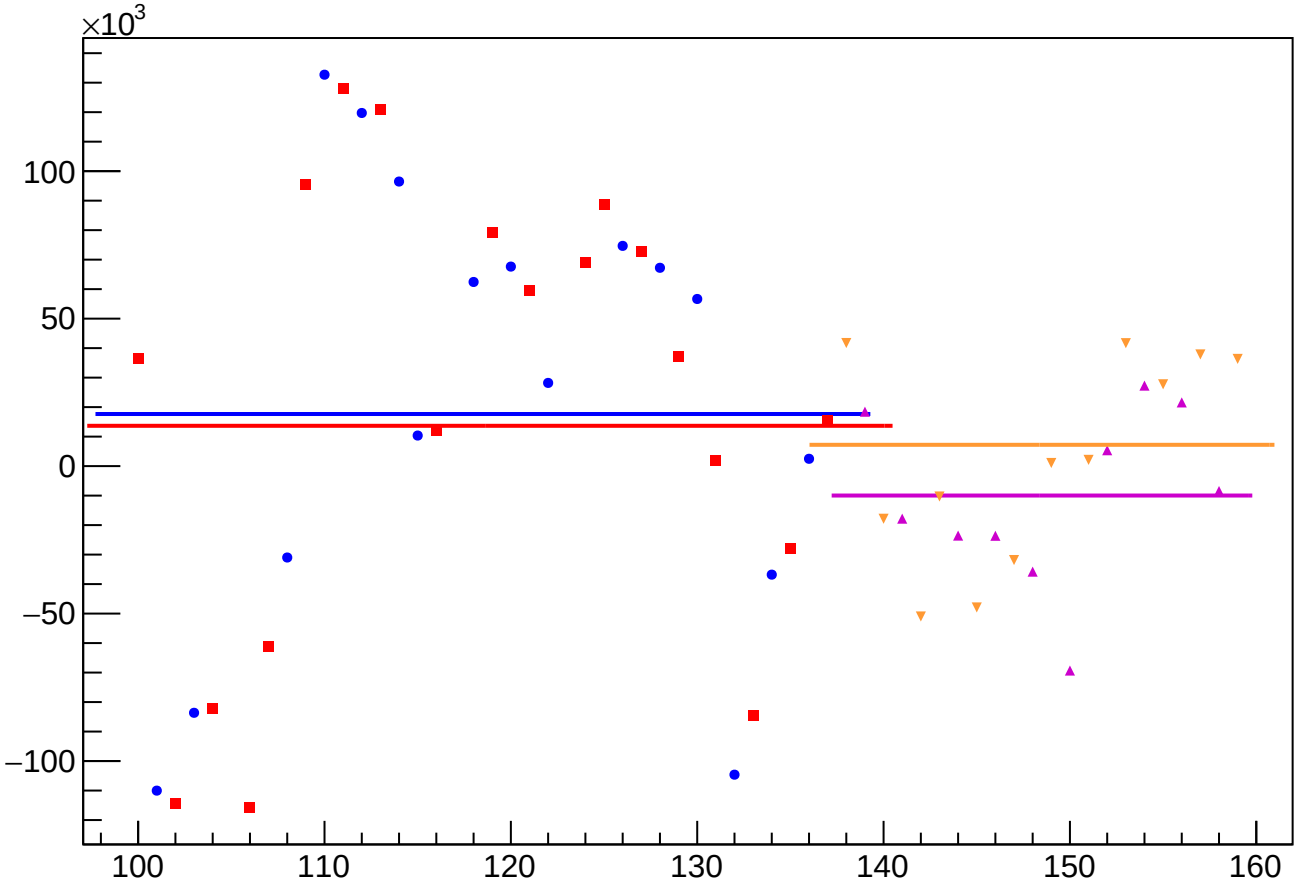
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.377+/-0.000 χ^2/NDF:681670.5/9

+ sign 0.346+/-0.000 χ^2/NDF: 2324409.5/27

All: 0.349+/-0.000 χ^2/NDF: 4449390.3/56

- sign 0.353+/-0.000 χ^2/NDF: 2119674.3/28



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

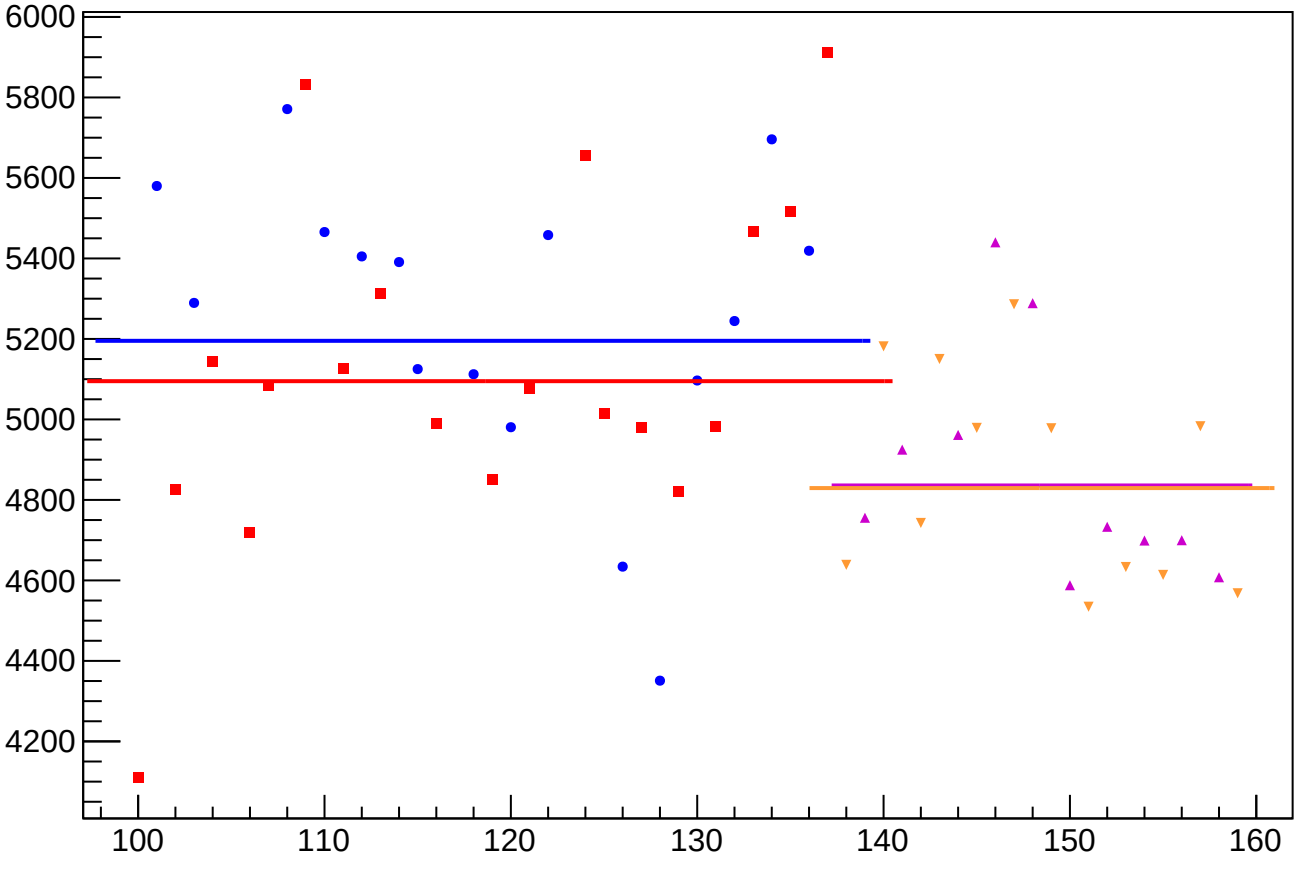
Left In: -9974.552+/-1.690 χ^2/NDF:303265776.1/9

+ sign 11313.201+/-1.255 χ^2/NDF: 1806301327.7/2

All: 5878.374+/-0.893 χ^2/NDF: 4089644385.

- sign 315.548+/-1.270 χ^2/NDF: 2245410210.2/28

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

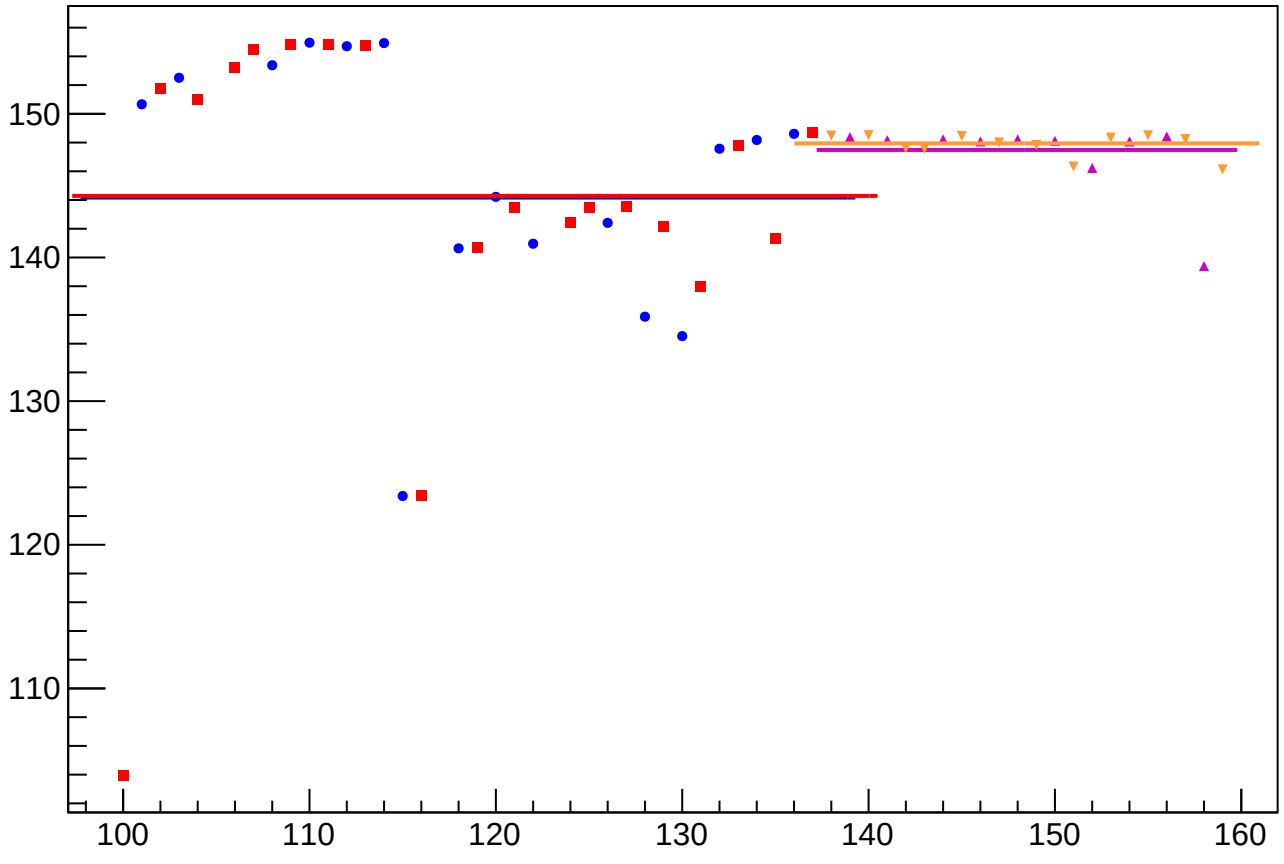
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4835.896+/-1.195 χ^2/NDF:45939.8/9

+ sign 4972.745+/-0.888 χ^2/NDF: 167770.5/27

All: 4960.861+/-0.631 χ^2/NDF: 293656.9/56

- sign 4948.696+/-0.898 χ^2/NDF: 125523.6/28



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.943+/-0.000 χ^2/NDF:32537744.3/11

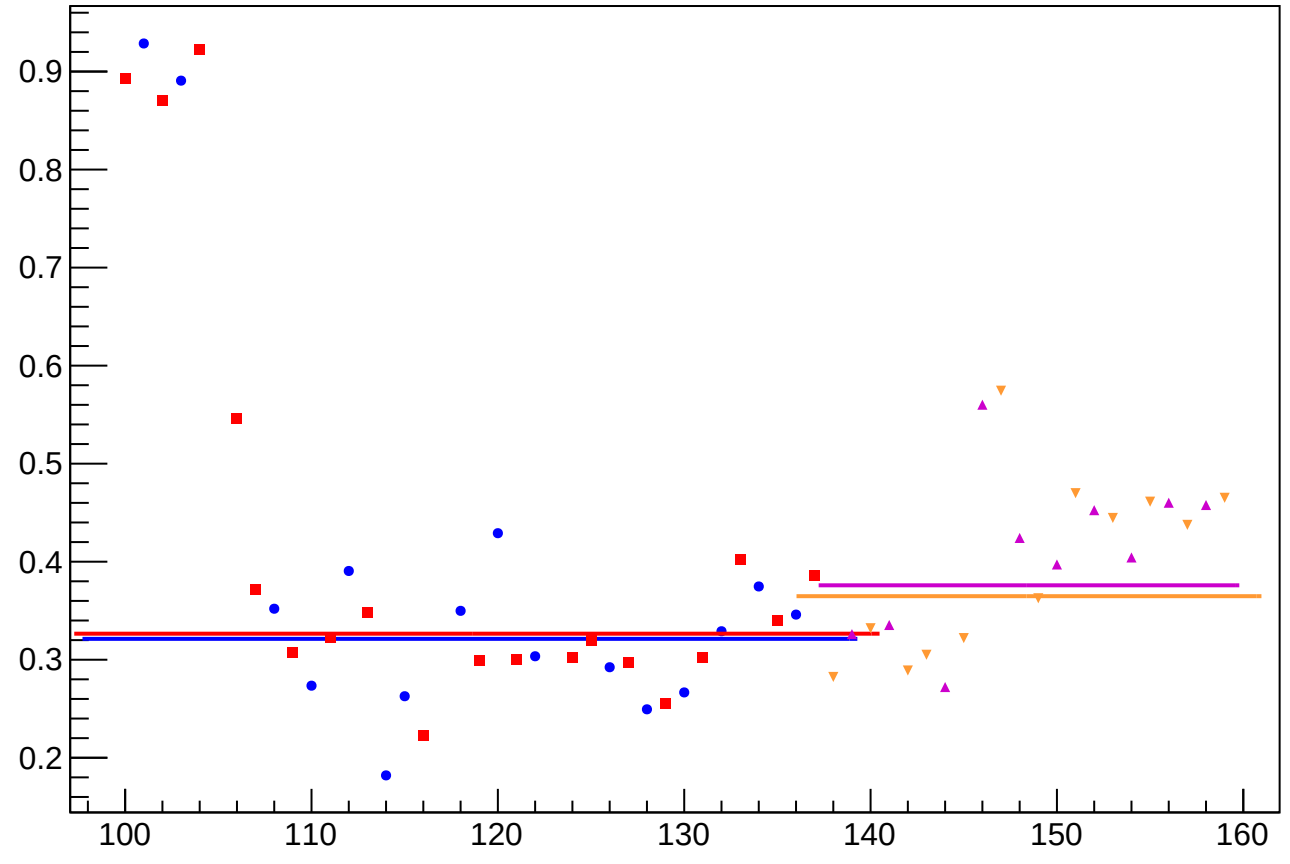
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.486+/-0.000 χ^2/NDF:280953760.4/9

+ sign 146.173+/-0.000 χ^2/NDF: 4232395672.3/27

All: 146.029+/-0.000 χ^2/NDF: 9098836084.7

- sign 145.873+/-0.000 χ^2/NDF: 4861129741.8/28



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.365+/-0.000 χ^2/NDF:810710.2/11

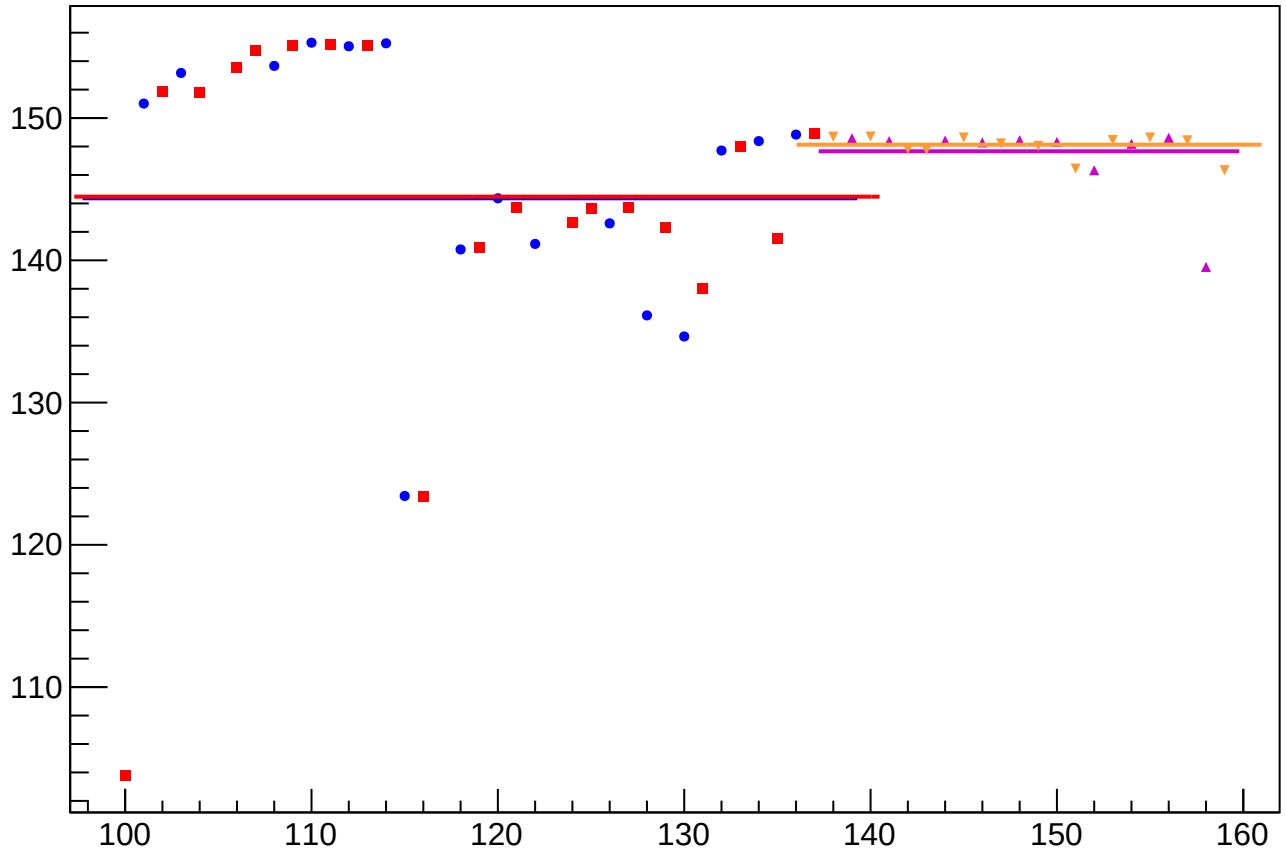
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.376+/-0.000 χ^2/NDF:680546.7/9

+ sign 0.344+/-0.000 χ^2/NDF: 2322827.3/27

All: 0.348+/-0.000 χ^2/NDF: 4449276.4/56

- sign 0.351+/-0.000 χ^2/NDF: 2121250.1/28



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

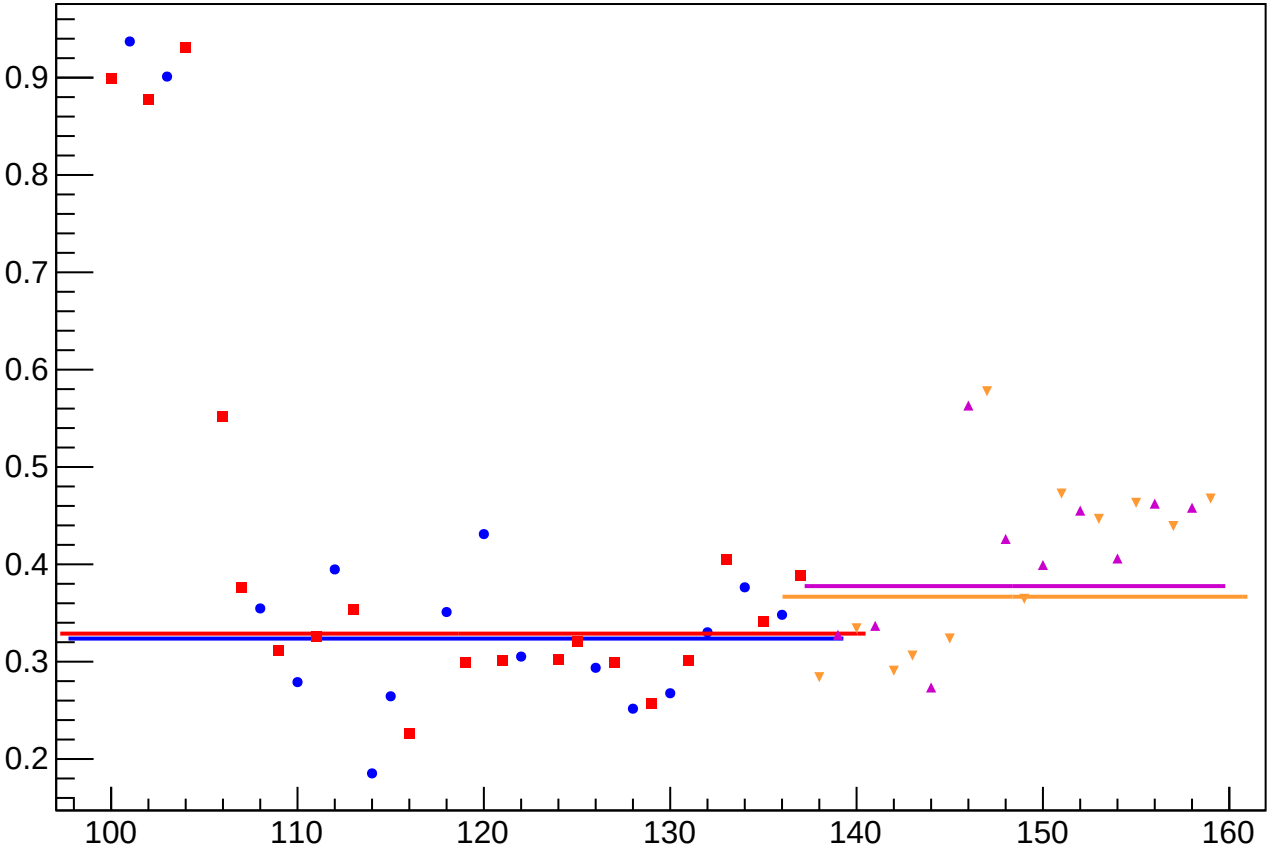
Left In: 147.664+/-0.000 χ^2/NDF:285149145.9/9

+ sign 146.362+/-0.000 χ^2/NDF: 4219393303.5/27

All: 146.217+/-0.000 χ^2/NDF: 9076847927.8

- sign 146.060+/-0.000 χ^2/NDF: 4852116156.6/28

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

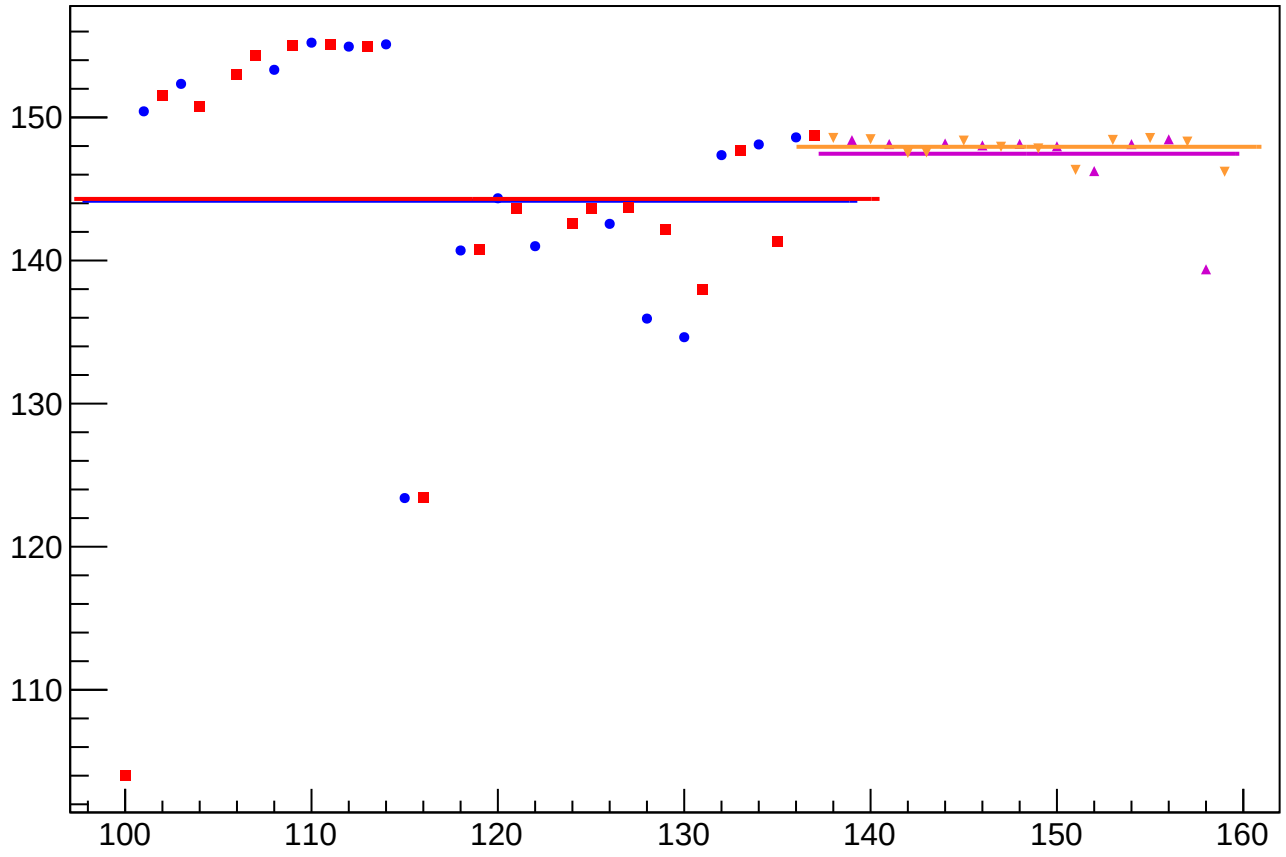
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.378+/-0.000 χ^2/NDF:679136.7/9

+ sign 0.347+/-0.000 χ^2/NDF: 2313768.2/27

All: 0.350+/-0.000 χ^2/NDF: 4434484.1/56

- sign 0.353+/-0.000 χ^2/NDF: 2115805.3/28



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.947+/-0.000 χ^2/NDF:32547822.4/11

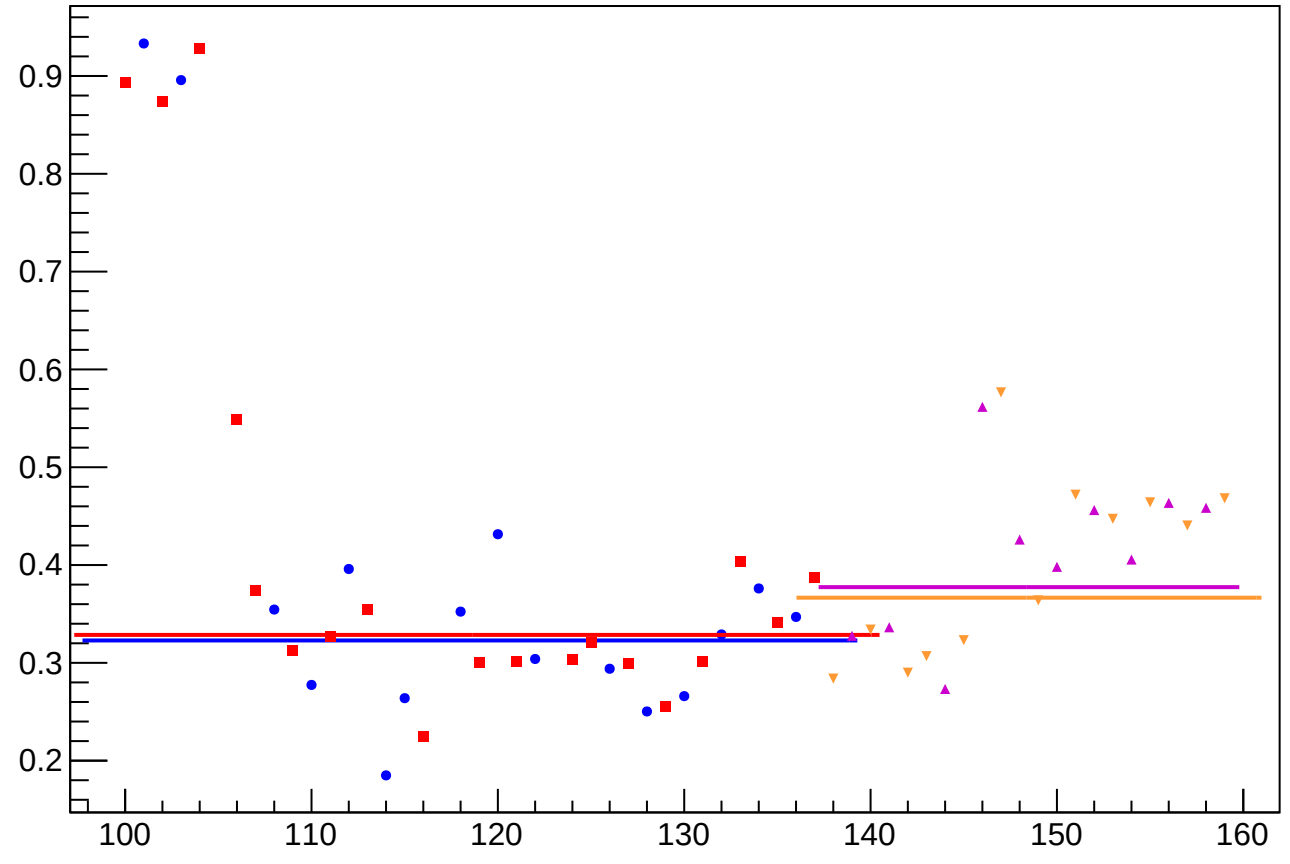
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.461+/-0.000 χ^2/NDF:279448320.0/9

+ sign 146.177+/-0.000 χ^2/NDF: 4187831757.8/27

All: 146.031+/-0.000 χ^2/NDF: 9016704395.1

- sign 145.873+/-0.000 χ^2/NDF: 4823475513.5/28



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.367+/-0.000 χ^2/NDF:812583.9/11

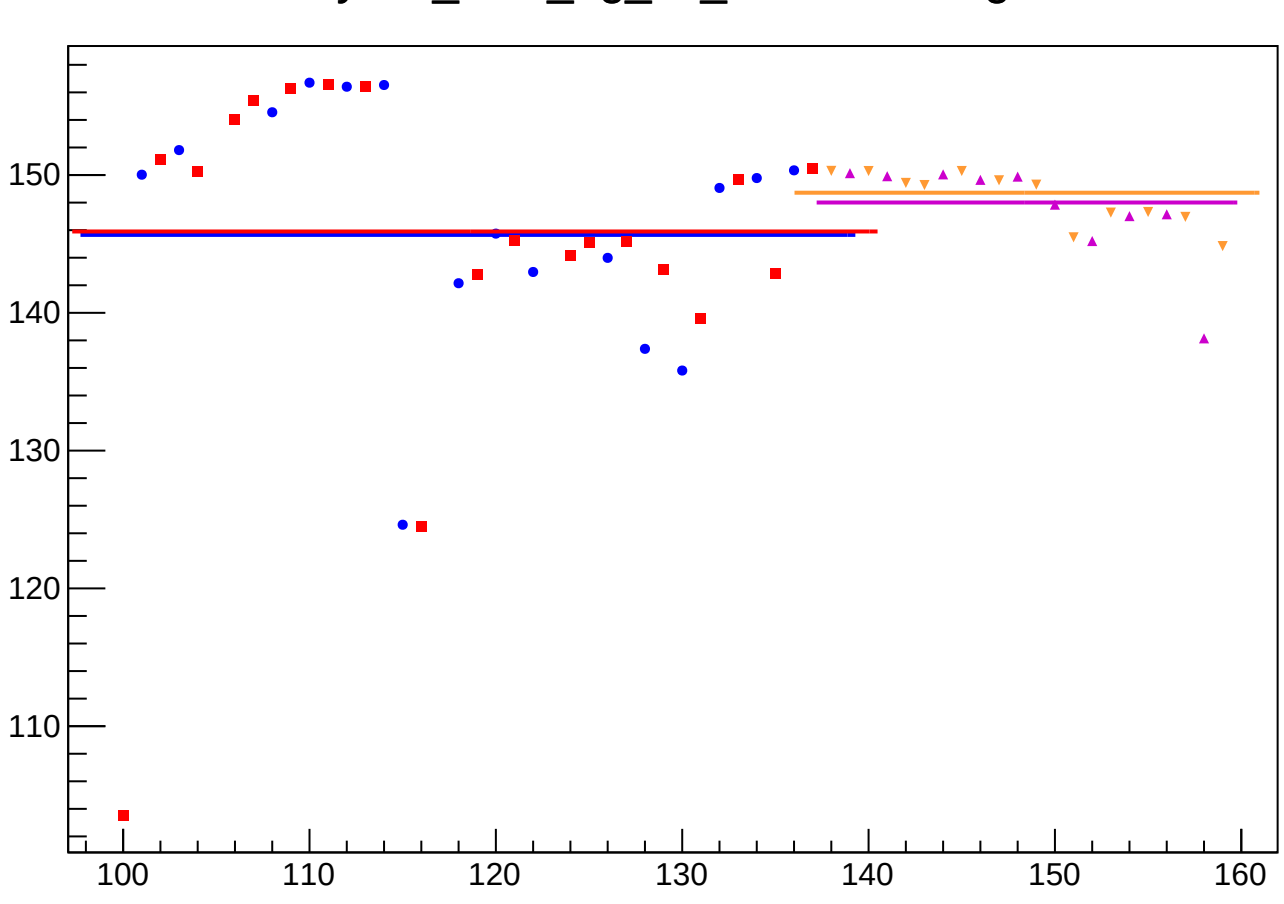
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.377+/-0.000 χ^2/NDF:681670.5/9

+ sign 0.346+/-0.000 χ^2/NDF: 2324409.5/27

All: 0.349+/-0.000 χ^2/NDF: 4449390.3/56

- sign 0.353+/-0.000 χ^2/NDF: 2119674.3/28



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

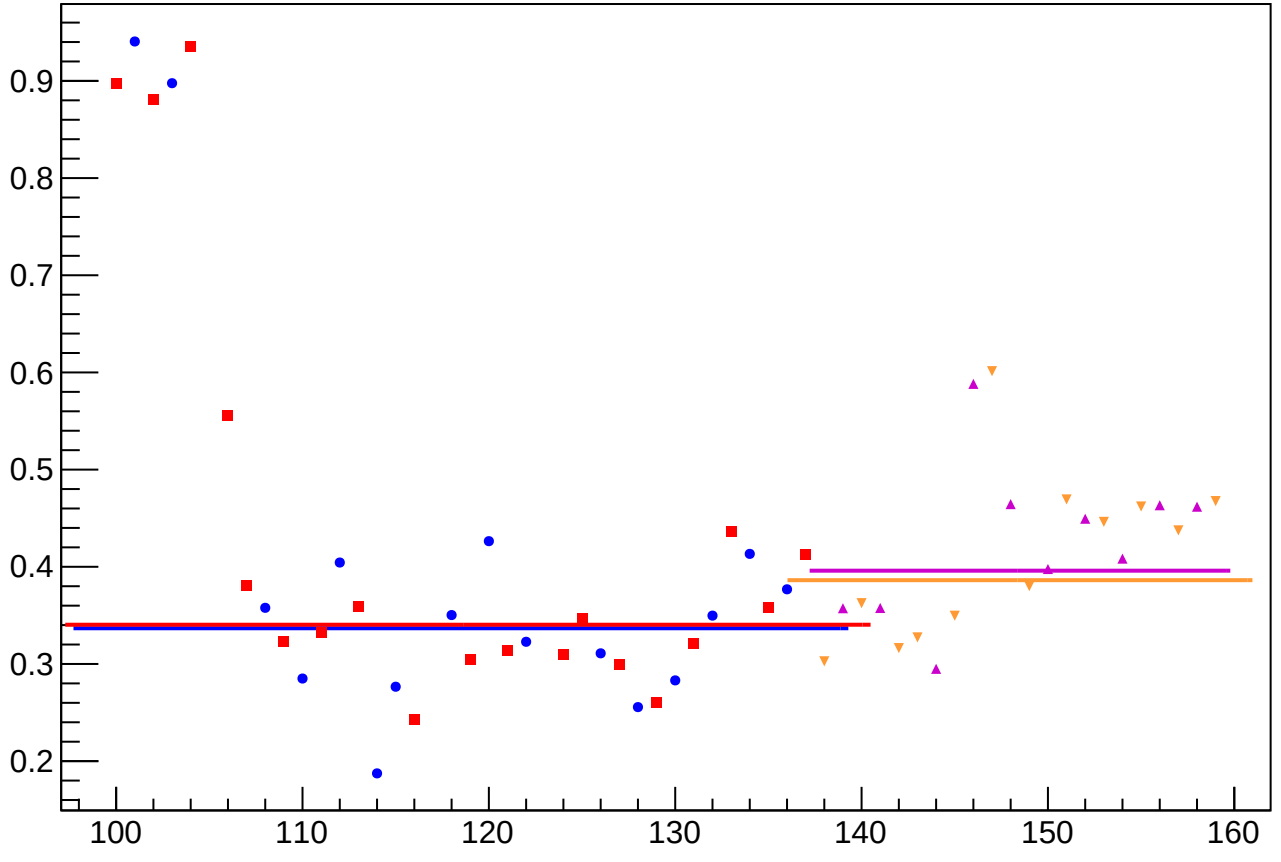
Left In: 148.007+/-0.000 χ^2/NDF:515541728.0/9

+ sign 147.271+/-0.000 χ^2/NDF: 3920580816.4/27

All: 147.111+/-0.000 χ^2/NDF: 8419473583.6

- sign 146.940+/-0.000 χ^2/NDF: 4493031411.1/28

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

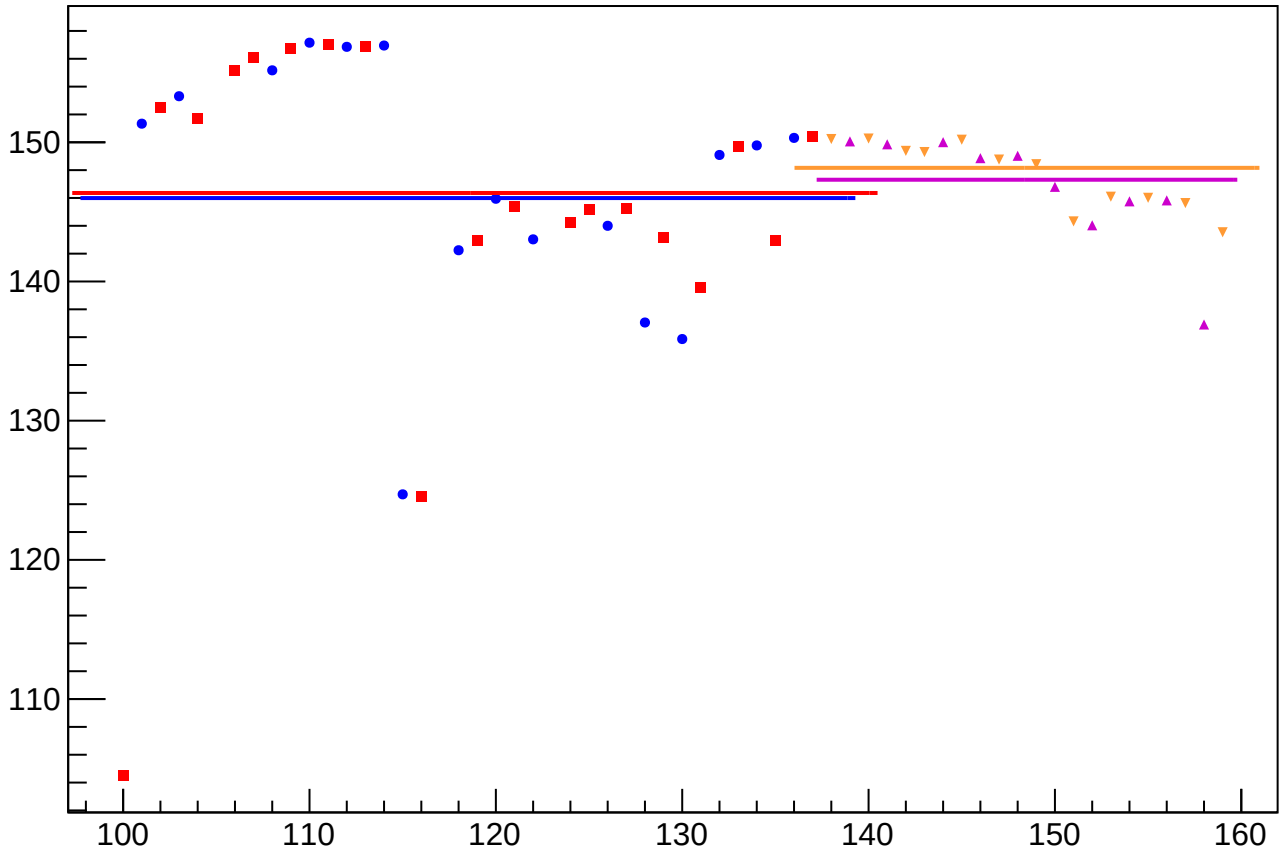
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.396+/-0.000 χ^2/NDF:543634.5/9

+ sign 0.363+/-0.000 χ^2/NDF: 2120160.3/27

All: 0.365+/-0.000 χ^2/NDF: 4101358.6/56

- sign 0.368+/-0.000 χ^2/NDF: 1978576.0/28



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

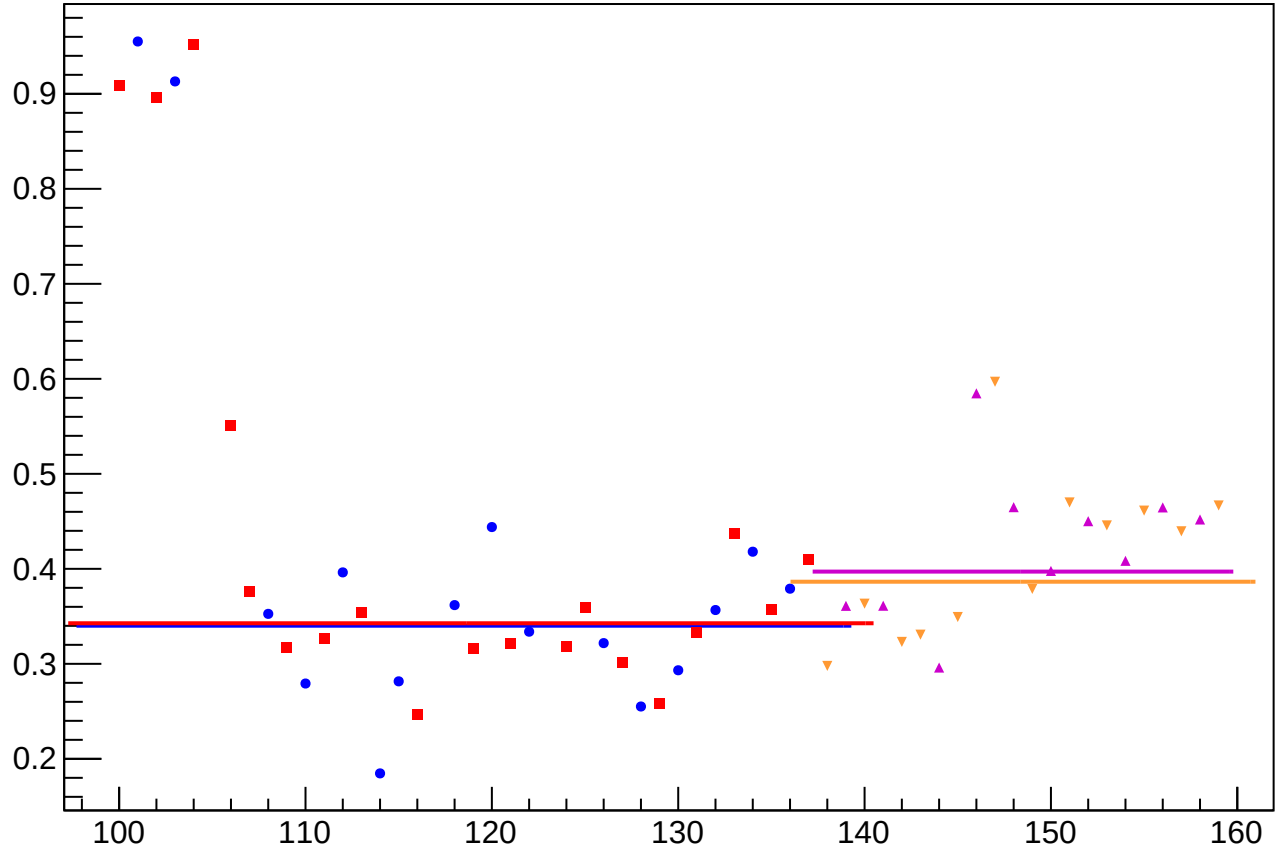
Left In: 147.310+/-0.000 χ^2/NDF:662696147.2/9

+ sign 147.149+/-0.000 χ^2/NDF: 4046710970.6/27

All: 146.995+/-0.000 χ^2/NDF: 8701122875.7

- sign 146.830+/-0.000 χ^2/NDF: 4649018116.1/28

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

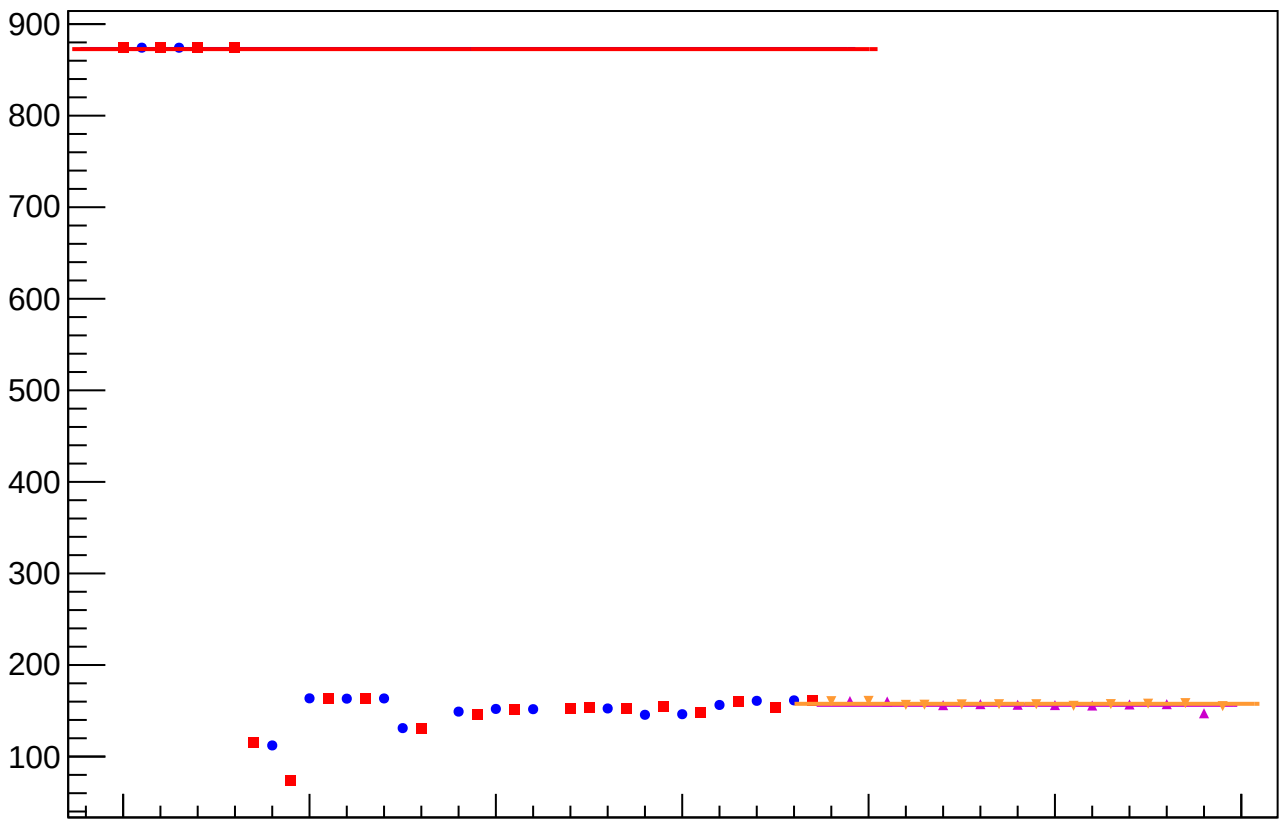
Left In: 0.397+/-0.000 χ^2/NDF:518174.7/9

+ sign 0.365+/-0.000 χ^2/NDF: 2120364.9/27

All: 0.367+/-0.000 χ^2/NDF: 4063273.3/56

- sign 0.370+/-0.000 χ^2/NDF: 1940420.0/28

yield_cav4bQ_mean vs Slug



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

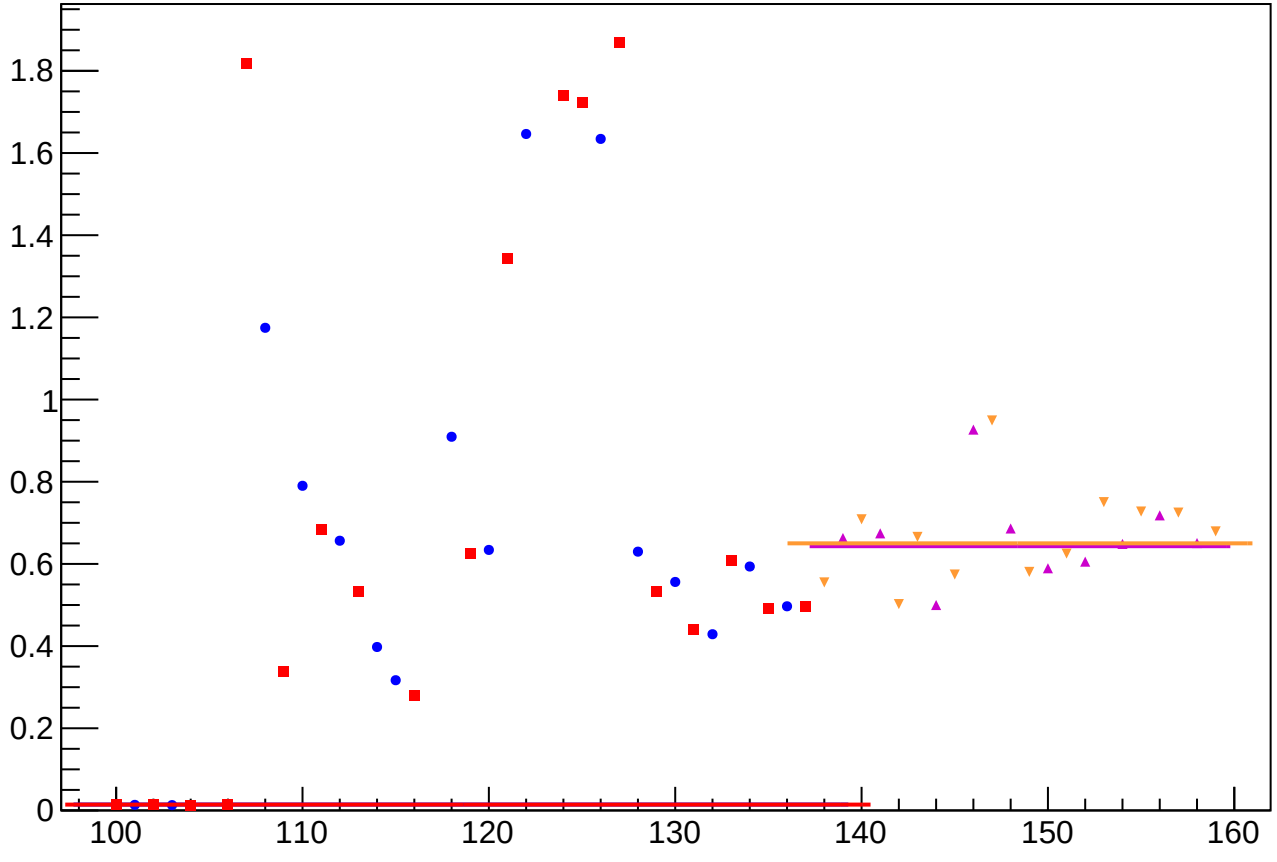
Left In: 156.490+/-0.000 χ^2/NDF:163732811.1/9

+ sign 871.362+/-0.000 χ^2/NDF: 14629831681922.

All: 871.422+/-0.000 χ^2/NDF: 30865905482

- sign 871.473+/-0.000 χ^2/NDF: 16236026446983.5

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

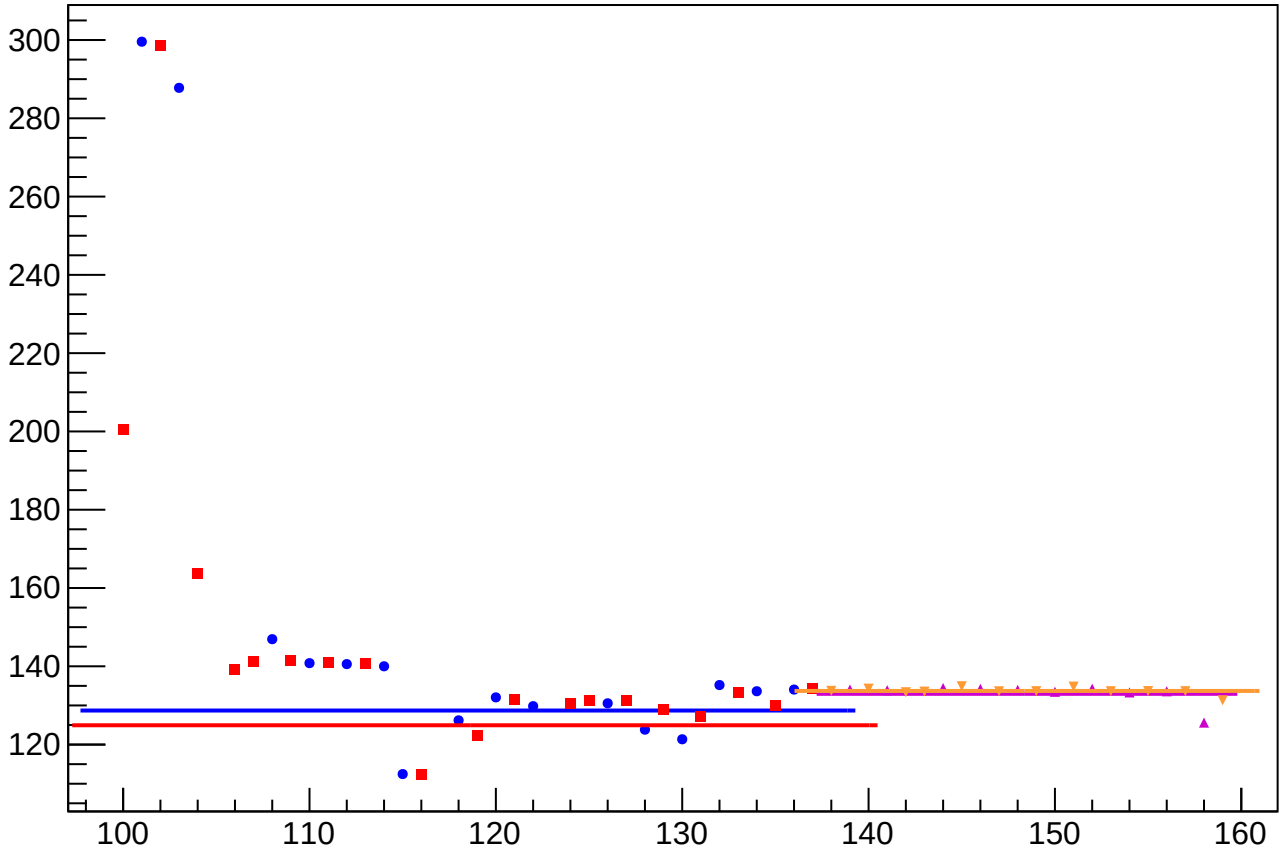
Left In: 0.643+/-0.000 χ^2/NDF:217269.3/9

+ sign 0.016+/-0.000 χ^2/NDF: 21646588.5/27

All: 0.015+/-0.000 χ^2/NDF: 42176178.7/56

- sign 0.015+/-0.000 χ^2/NDF: 20528471.0/28

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

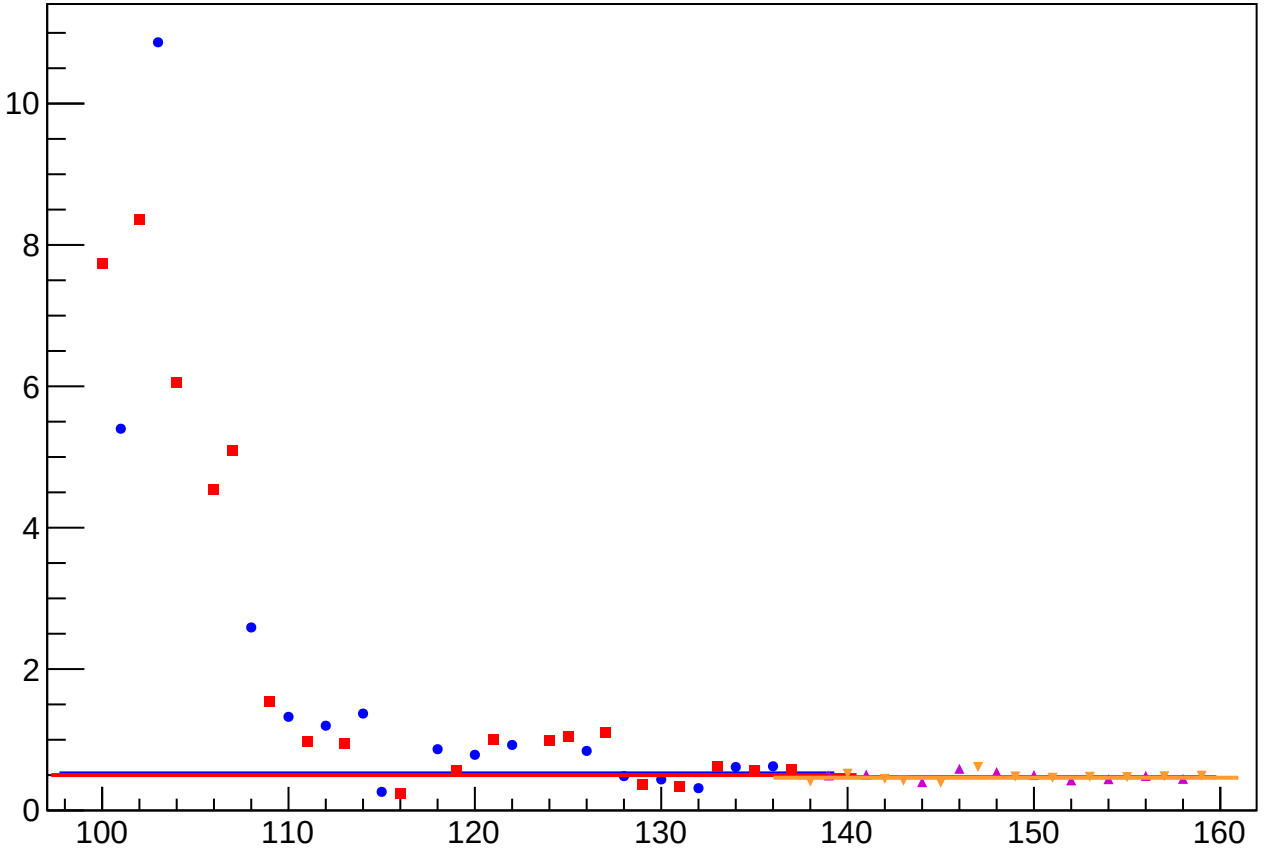
Left In: 132.970+/-0.000 χ^2/NDF:239629662.0/9

+ sign 132.402+/-0.000 χ^2/NDF: 1935264835.0/27

All: 131.533+/-0.000 χ^2/NDF: 4291299447.2

- sign 130.592+/-0.000 χ^2/NDF: 2275297316.2/28

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

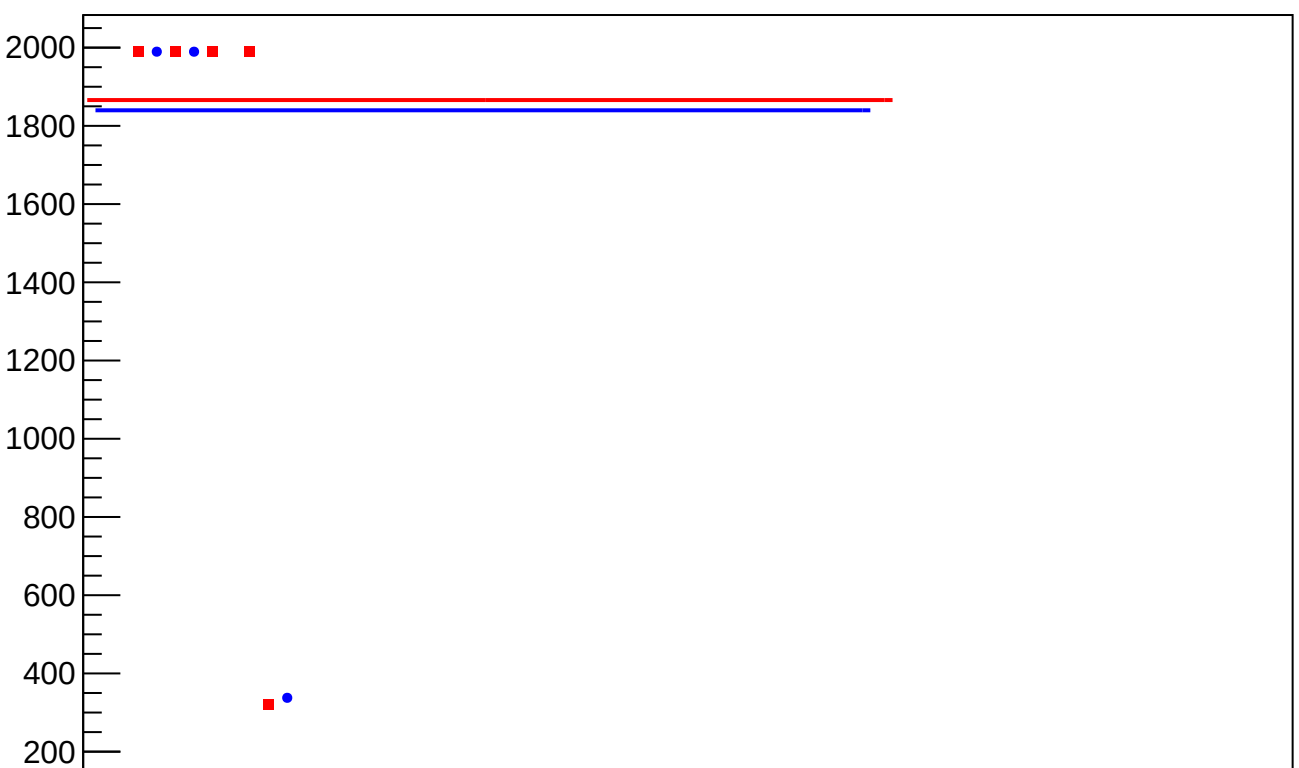
Left In: 0.471+/-0.000 χ^2/NDF:188440.9/9

+ sign 0.479+/-0.000 χ^2/NDF: 4406588.4/27

All: 0.479+/-0.000 χ^2/NDF: 9496040.9/56

- sign 0.480+/-0.000 χ^2/NDF: 5089406.6/28

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

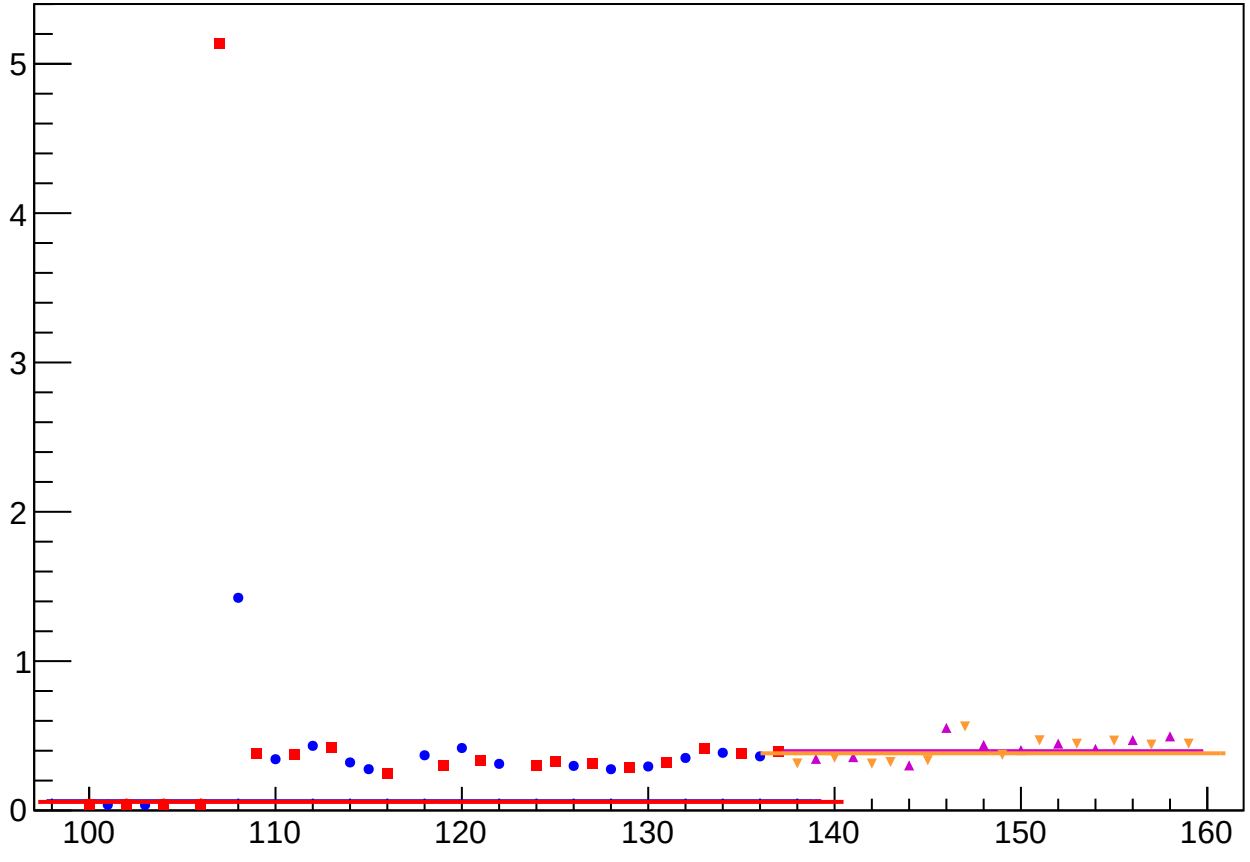
Left In: 136.885+/-0.000 χ^2/NDF:196789375.8/9

+ sign 1676.772+/-0.000 χ^2/NDF: 3042003727991

All: 1711.661+/-0.000 χ^2/NDF: 590760439

- sign 1742.343+/-0.000 χ^2/NDF: 28511718467923

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

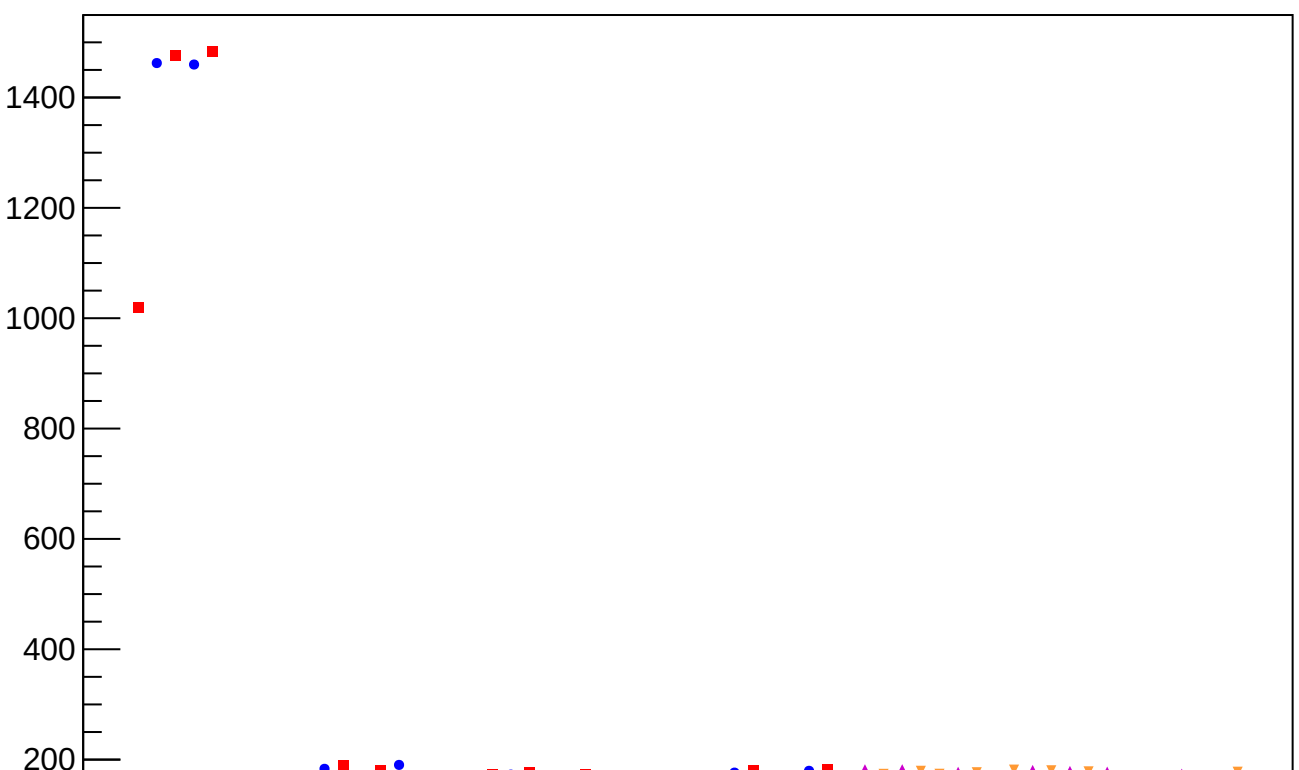
Left In: 0.397+/-0.000 χ^2/NDF:507074.0/9

+ sign 0.092+/-0.000 χ^2/NDF: 19980161.8/27

All: 0.087+/-0.000 χ^2/NDF: 39282852.8/56

- sign 0.082+/-0.000 χ^2/NDF: 19222417.5/28

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 173.719+/-0.000 χ^2/NDF:271458957.8/11

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

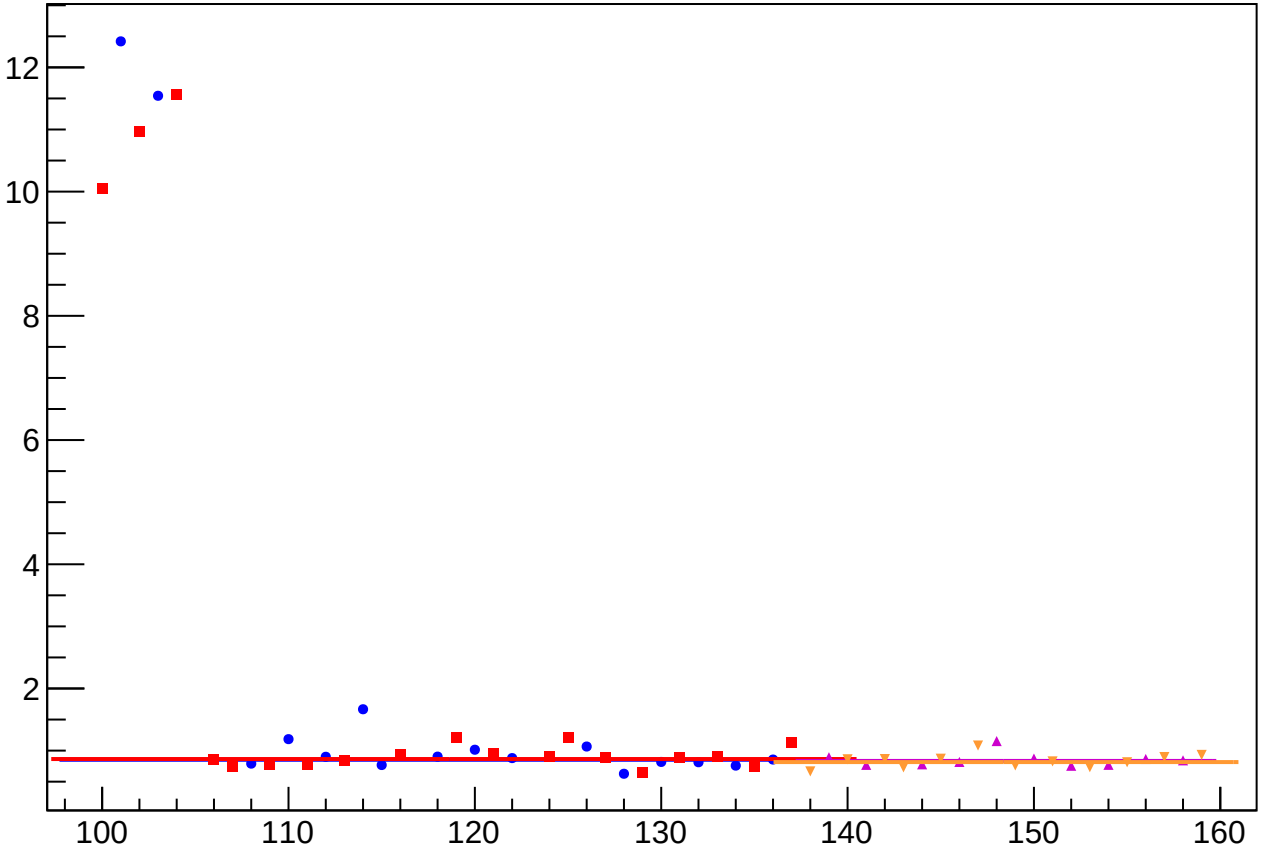
Left In: 174.038+/-0.000 χ^2/NDF:484355991.4/9

+ sign 171.161+/-0.000 χ^2/NDF: 15033533771.3/27

All: 171.593+/-0.000 χ^2/NDF: 31913506069.

- sign 172.050+/-0.000 χ^2/NDF: 16874648798.4/28

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

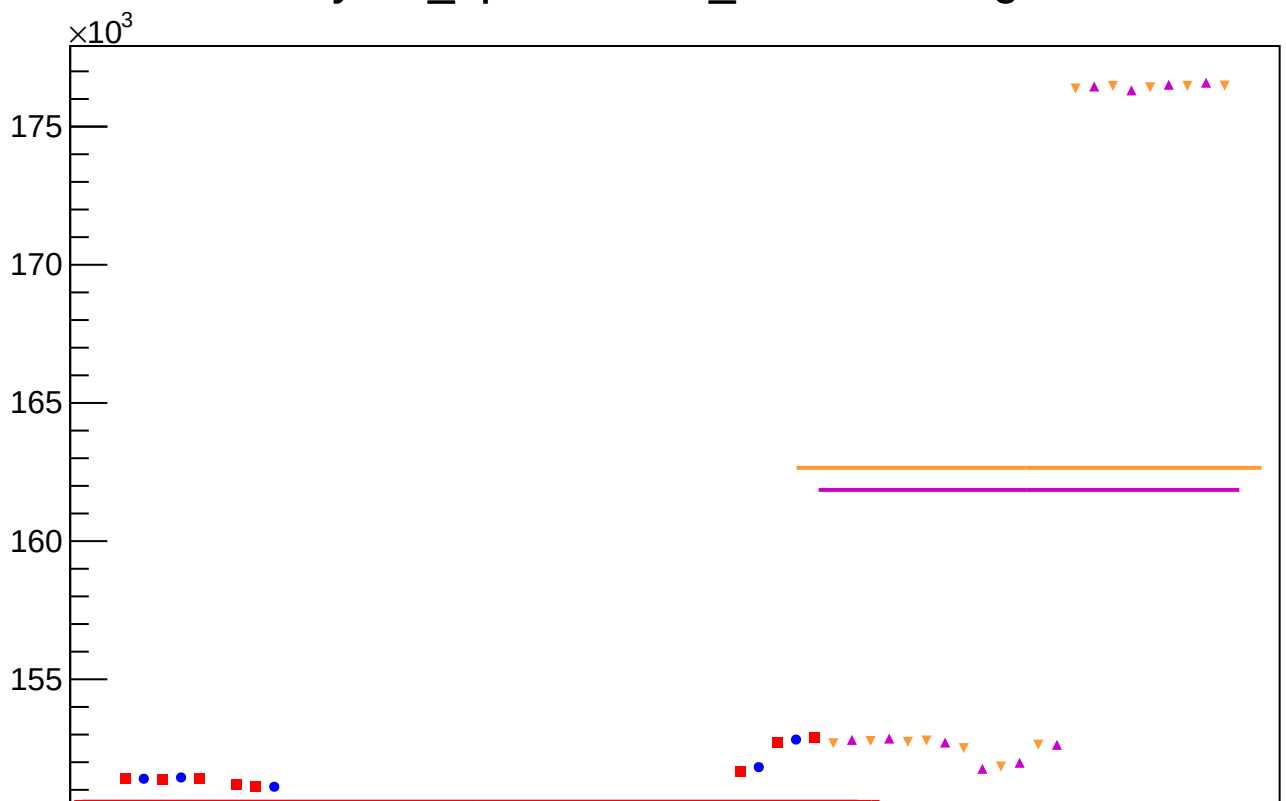
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.834+/-0.000 χ^2/NDF:131351.9/9

+ sign 0.830+/-0.000 χ^2/NDF: 2486601.0/27

All: 0.838+/-0.000 χ^2/NDF: 4836909.4/56

- sign 0.846+/-0.000 χ^2/NDF: 2346547.4/28



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

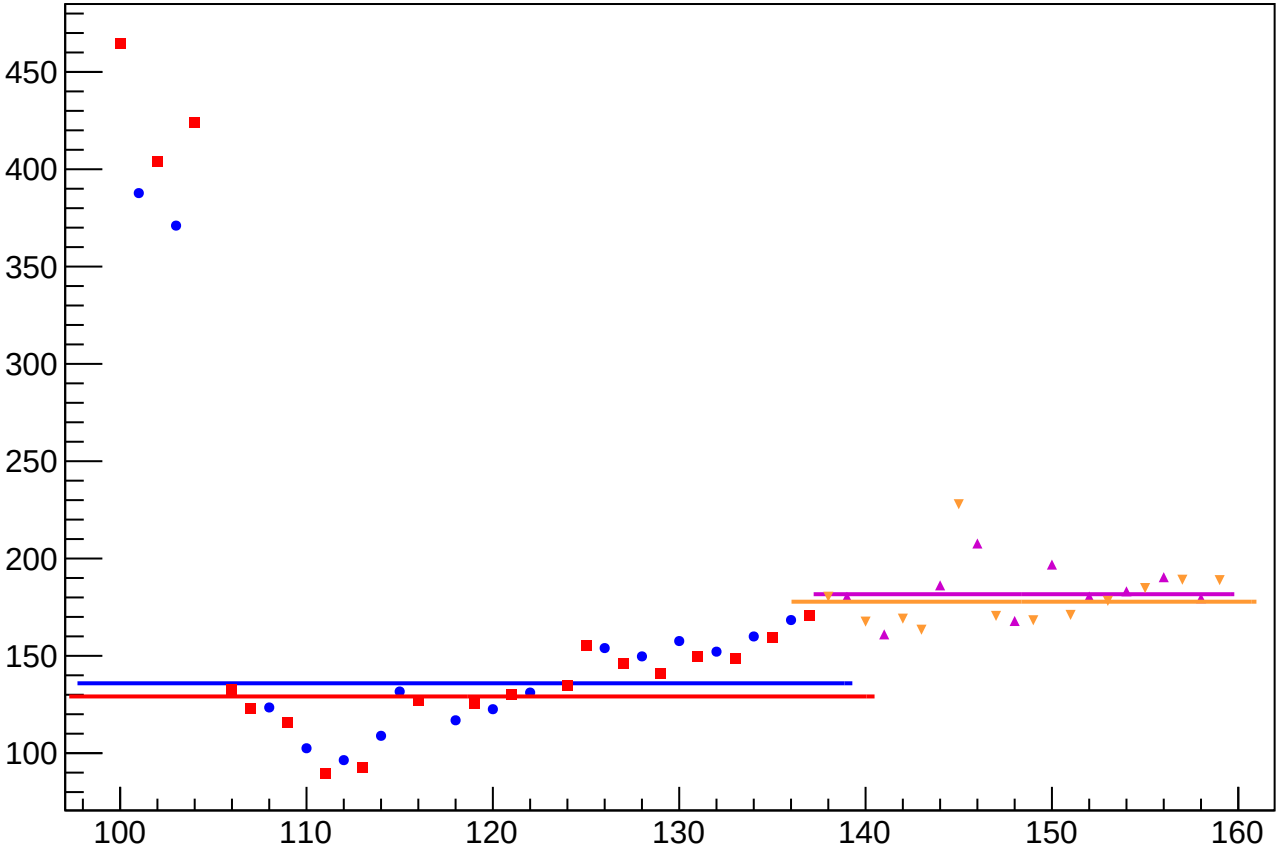
Left In: 161853.384+/-0.062 χ^2/NDF:35411715011.6/9

+ sign 156218.456+/-0.040 χ^2/NDF: 64138734795.

All: 155653.194+/-0.028 χ^2/NDF: 11986181

- sign 155099.828+/-0.039 χ^2/NDF: 55324889532.

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

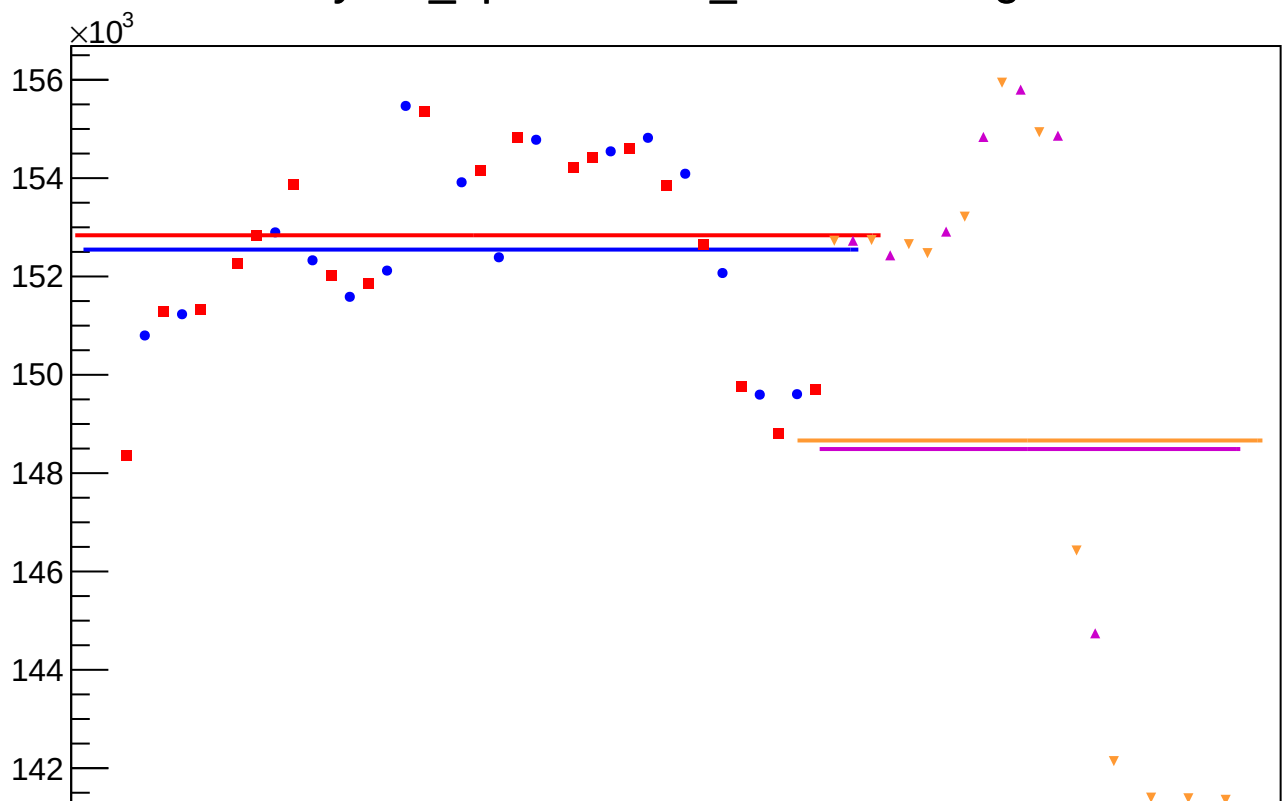
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.667+/-0.044 χ^2/NDF:82765.6/9

+ sign 155.496+/-0.028 χ^2/NDF: 2091147.3/27

All: 152.843+/-0.020 χ^2/NDF: 4659347.1/56

- sign 150.245+/-0.028 χ^2/NDF: 2550651.6/28



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

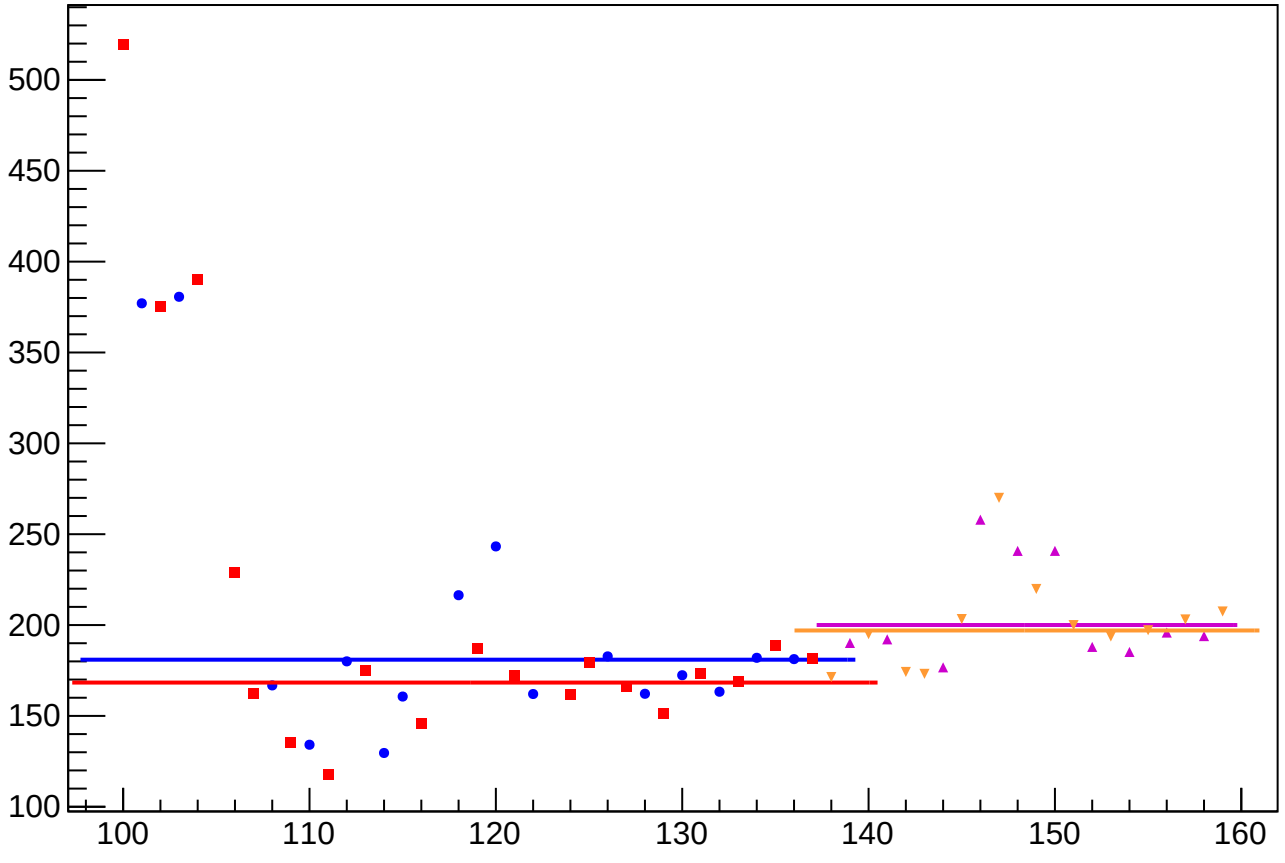
Left In: 148490.356+/-0.069 χ^2/NDF:7338943075.0/9

+ sign 150391.188+/-0.048 χ^2/NDF: 9476914114.9

All: 150567.063+/-0.034 χ^2/NDF: 19631973

- sign 150739.449+/-0.048 χ^2/NDF: 10128942926.0

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

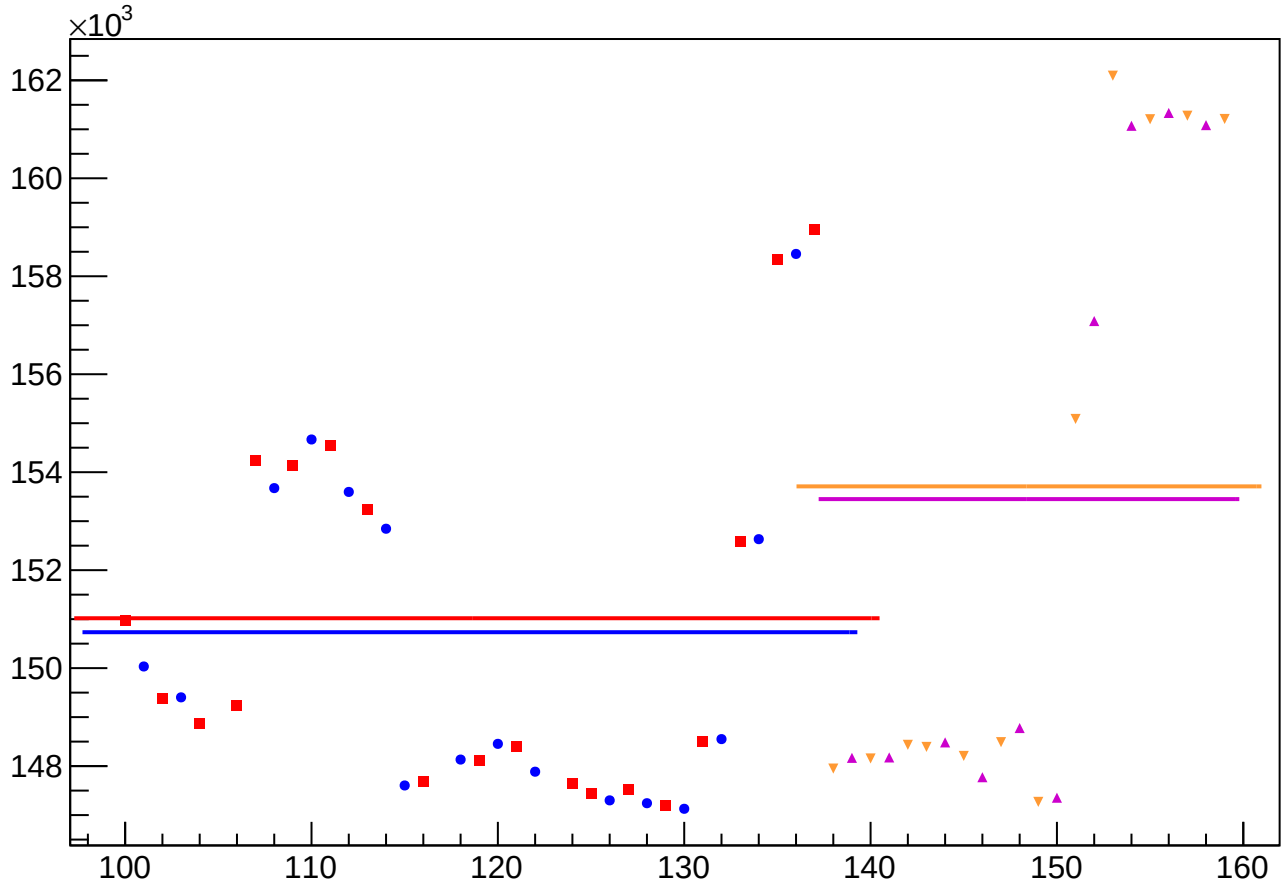
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.024+/-0.049 χ^2/NDF:244281.5/9

+ sign 189.867+/-0.034 χ^2/NDF: 1186445.2/27

All: 186.721+/-0.024 χ^2/NDF: 2754485.2/56

- sign 183.638+/-0.034 χ^2/NDF: 1551329.1/28



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

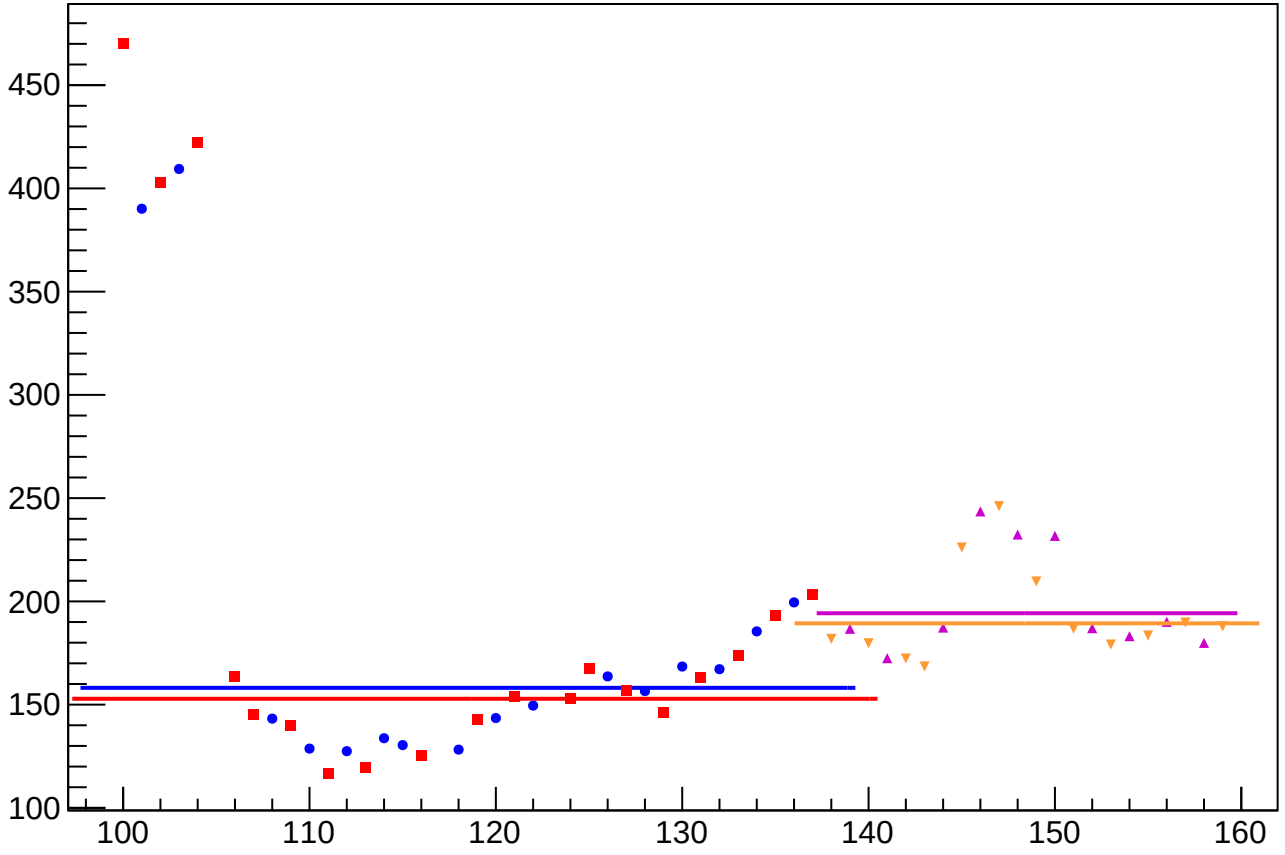
Left In: 153450.682+/-0.067 χ^2/NDF:8296345019.0/9

+ sign 152238.582+/-0.044 χ^2/NDF: 14593947277.

All: 152173.054+/-0.031 χ^2/NDF: 26914394

- sign 152106.263+/-0.045 χ^2/NDF: 12316014528.4

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

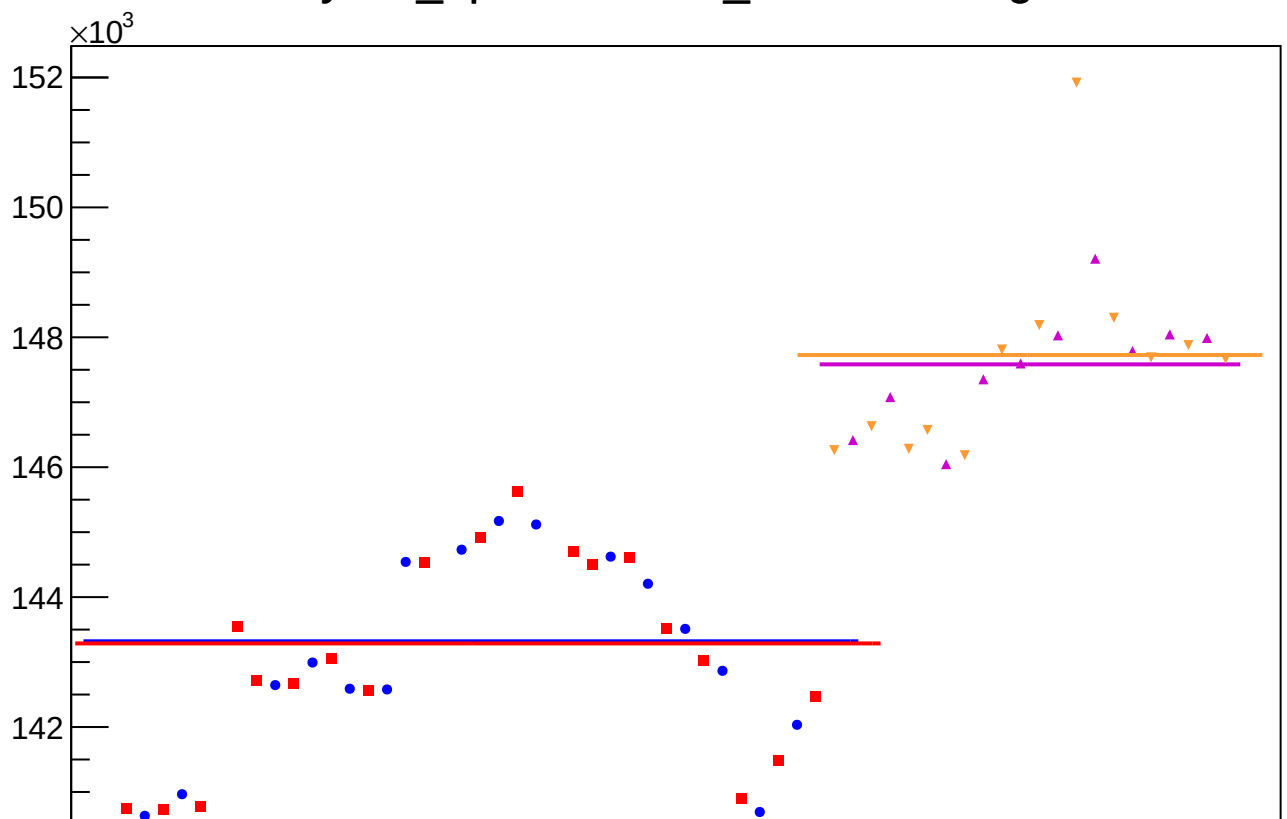
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 194.265+/-0.047 χ^2/NDF:216917.4/9

+ sign 173.925+/-0.031 χ^2/NDF: 1637575.5/27

All: 172.658+/-0.022 χ^2/NDF: 3547608.2/56

- sign 171.368+/-0.032 χ^2/NDF: 1906720.8/28



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147727.369+/-0.059 χ^2/NDF:669406326.4/11

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

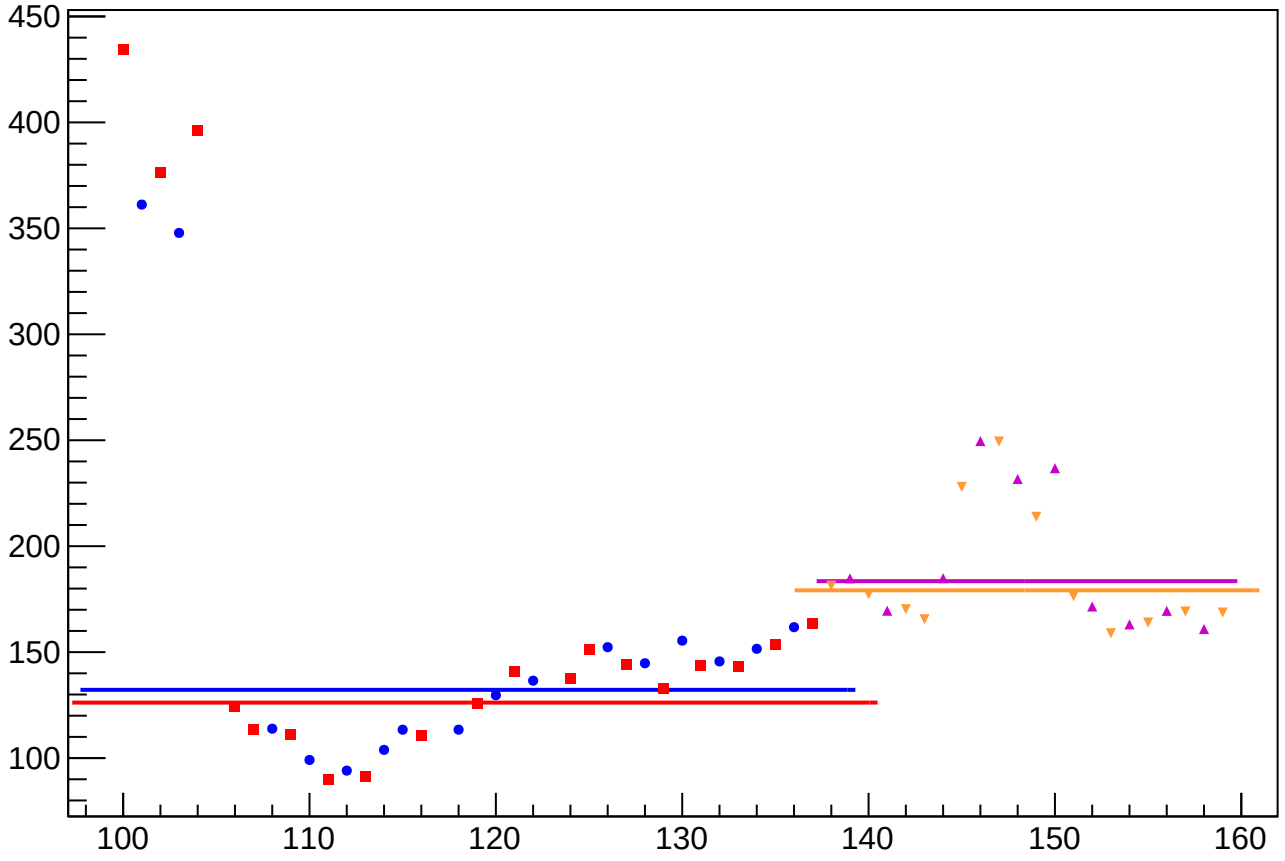
Left In: 147583.452+/-0.063 χ^2/NDF:194750544.9/9

+ sign 145289.527+/-0.040 χ^2/NDF: 4305274842.7

All: 145103.716+/-0.028 χ^2/NDF: 80066858

- sign 144921.488+/-0.039 χ^2/NDF: 3657599446.4/

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: 183.501+/-0.045 χ^2/NDF:376093.0/9

+ sign 153.193+/-0.028 χ^2/NDF: 2390525.4/27

All: 150.568+/-0.020 χ^2/NDF: 5340552.0/56

- sign 147.994+/-0.028 χ^2/NDF: 2932538.6/28

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

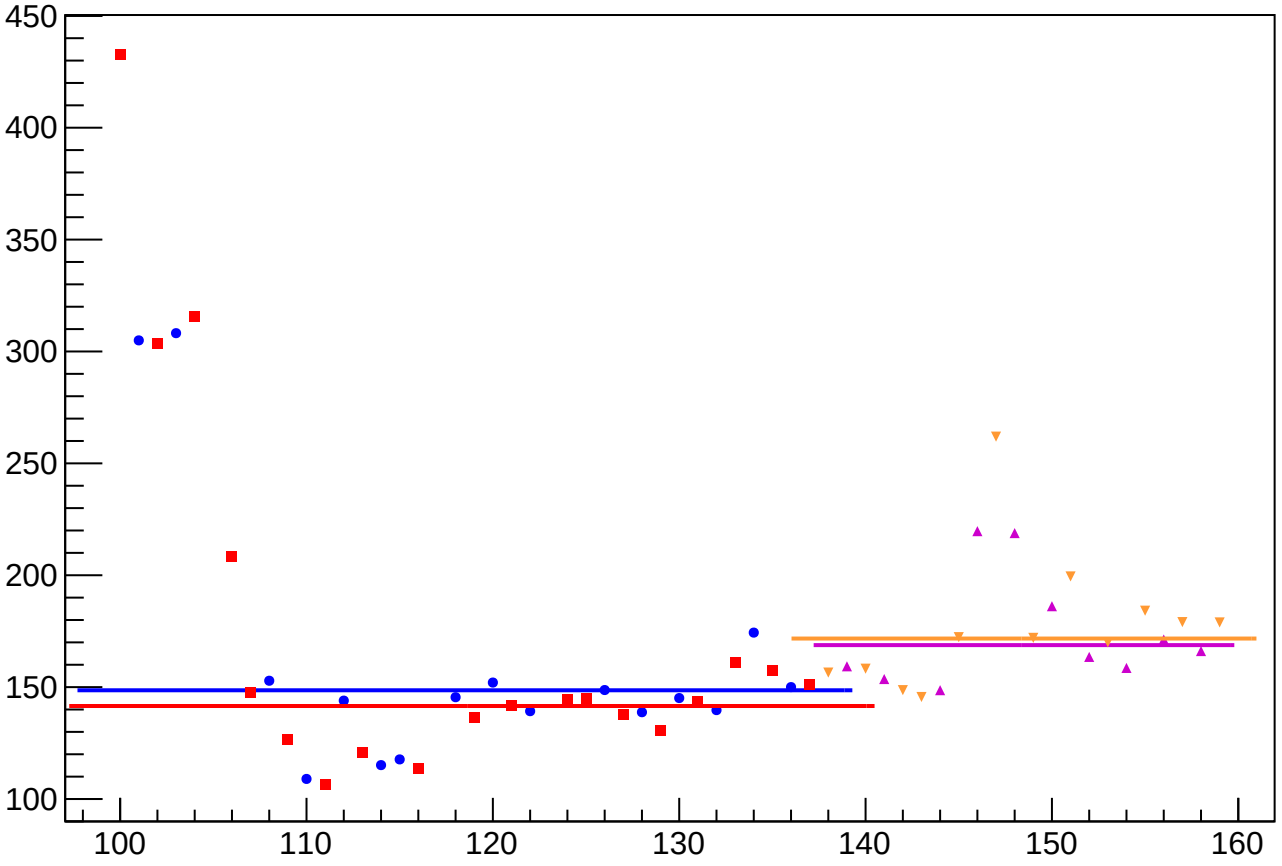
Left In: 120036.200+/-0.059 χ^2/NDF:1132661866.3/9

+ sign 123819.526+/-0.041 χ^2/NDF: 10519868630.5

All: 123978.735+/-0.029 χ^2/NDF: 20989700

- sign 124131.687+/-0.040 χ^2/NDF: 10440069621.4

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

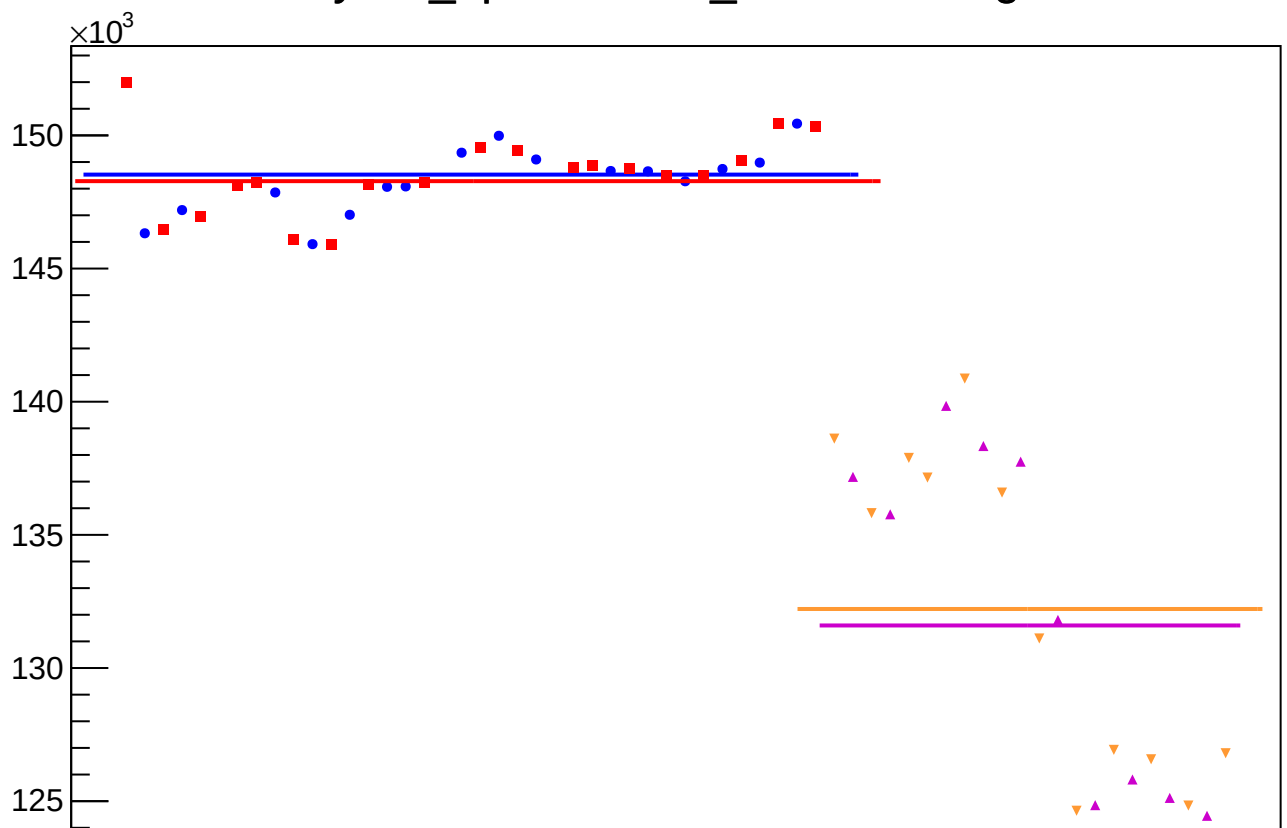
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 168.776+/-0.041 χ^2/NDF:256143.0/9

+ sign 160.399+/-0.029 χ^2/NDF: 1320641.9/27

All: 157.288+/-0.020 χ^2/NDF: 2830606.8/56

- sign 154.299+/-0.028 χ^2/NDF: 1487229.8/28



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

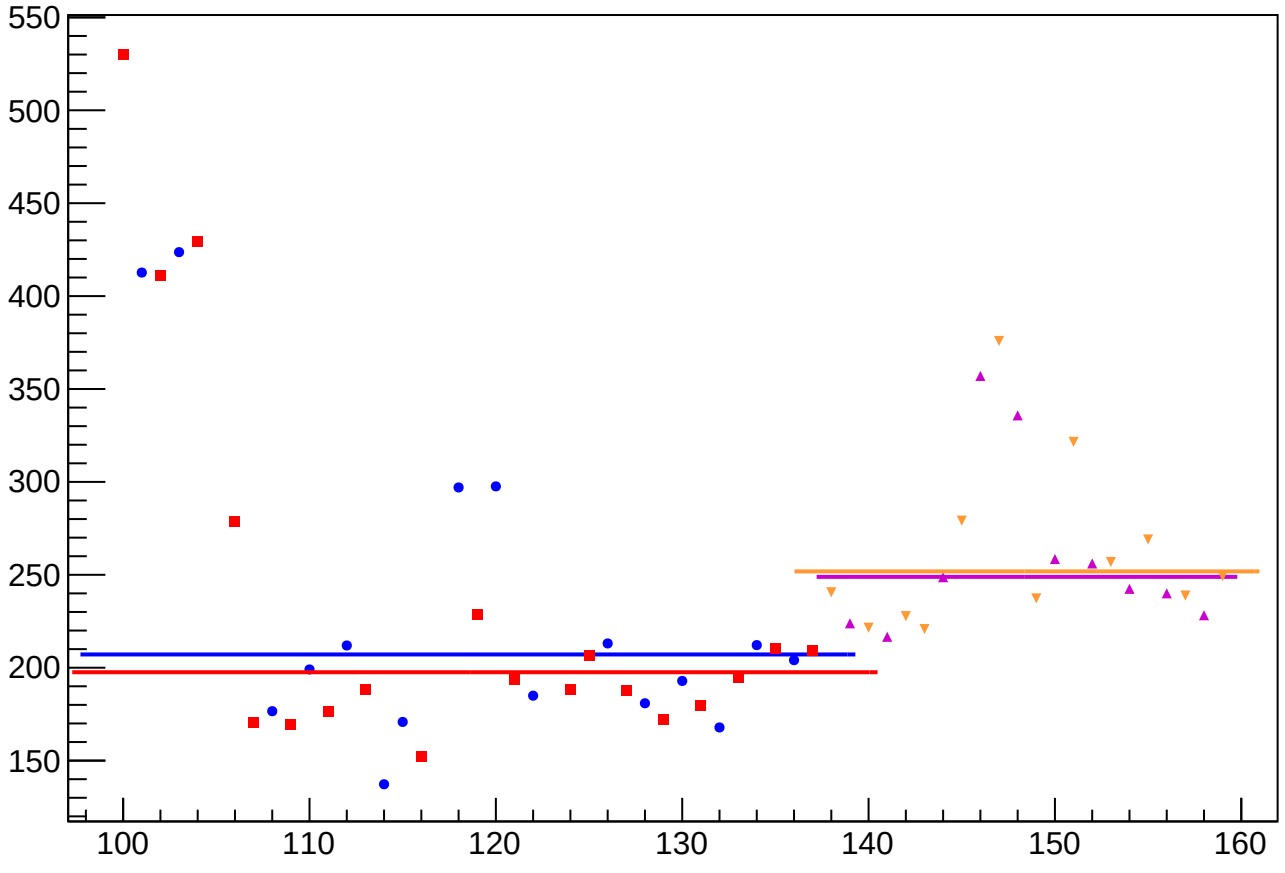
Left In: 131597.965+/-0.086 χ^2/NDF:4913053824.8/9

+ sign 140515.012+/-0.058 χ^2/NDF: 24299217555.

All: 140715.532+/-0.041 χ^2/NDF: 50495314

- sign 140907.758+/-0.057 χ^2/NDF: 26173041869.2

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

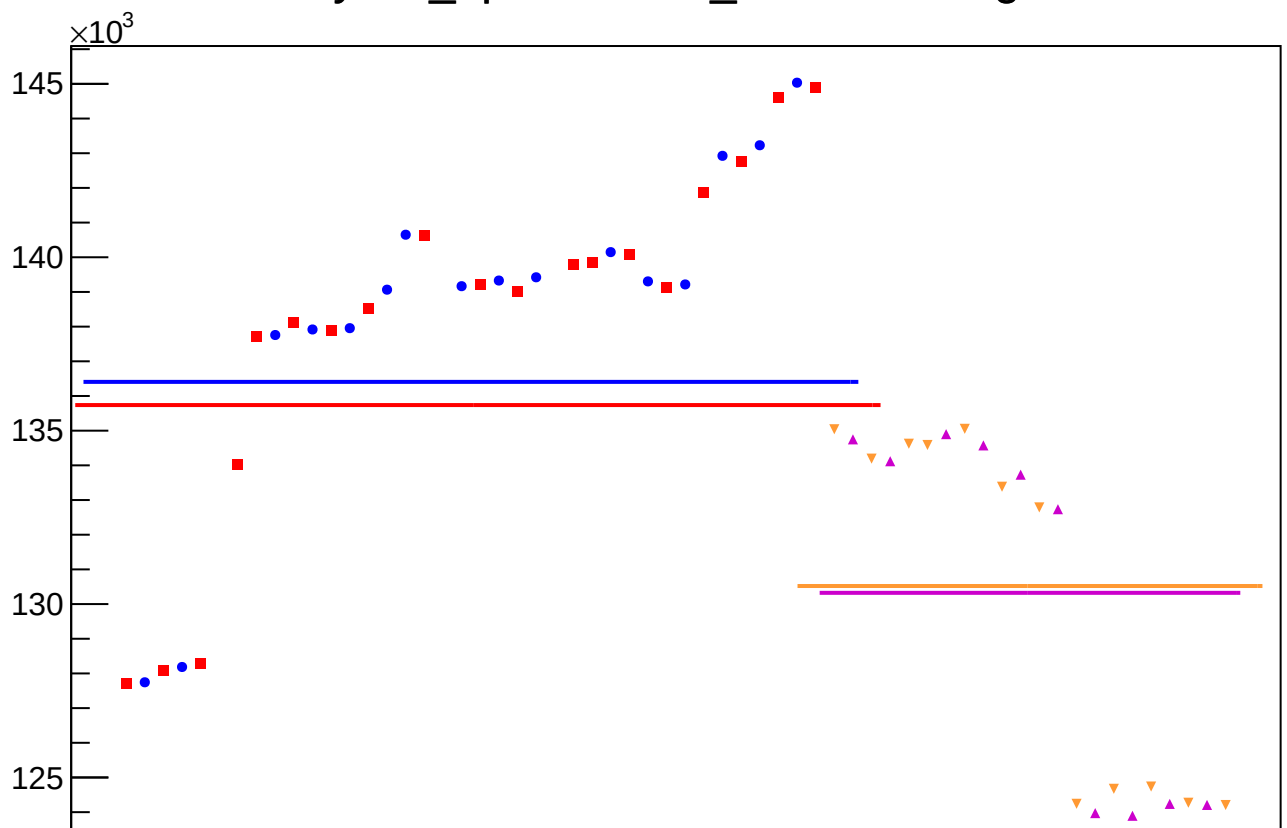
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 248.893+/-0.061 χ^2/NDF:349392.4/9

+ sign 229.097+/-0.041 χ^2/NDF: 1626387.6/27

All: 224.583+/-0.029 χ^2/NDF: 3299925.0/56

- sign 220.255+/-0.040 χ^2/NDF: 1650165.8/28



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

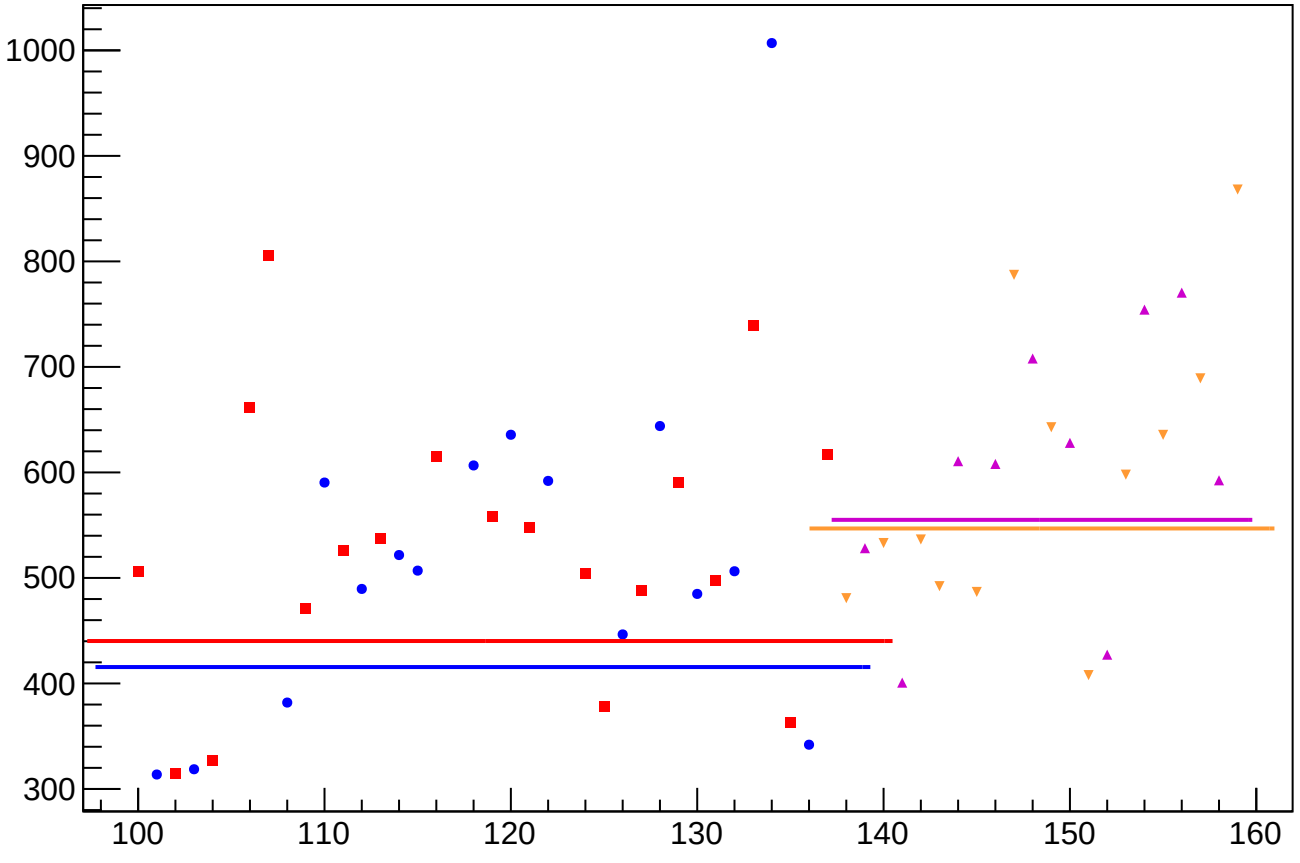
Left In: 130324.111+/-0.207 χ^2/NDF:570881289.6/9

+ sign 133829.374+/-0.126 χ^2/NDF: 2772354251.6

All: 133655.633+/-0.092 χ^2/NDF: 49167710

- sign 133459.064+/-0.134 χ^2/NDF: 2140389114.3/

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

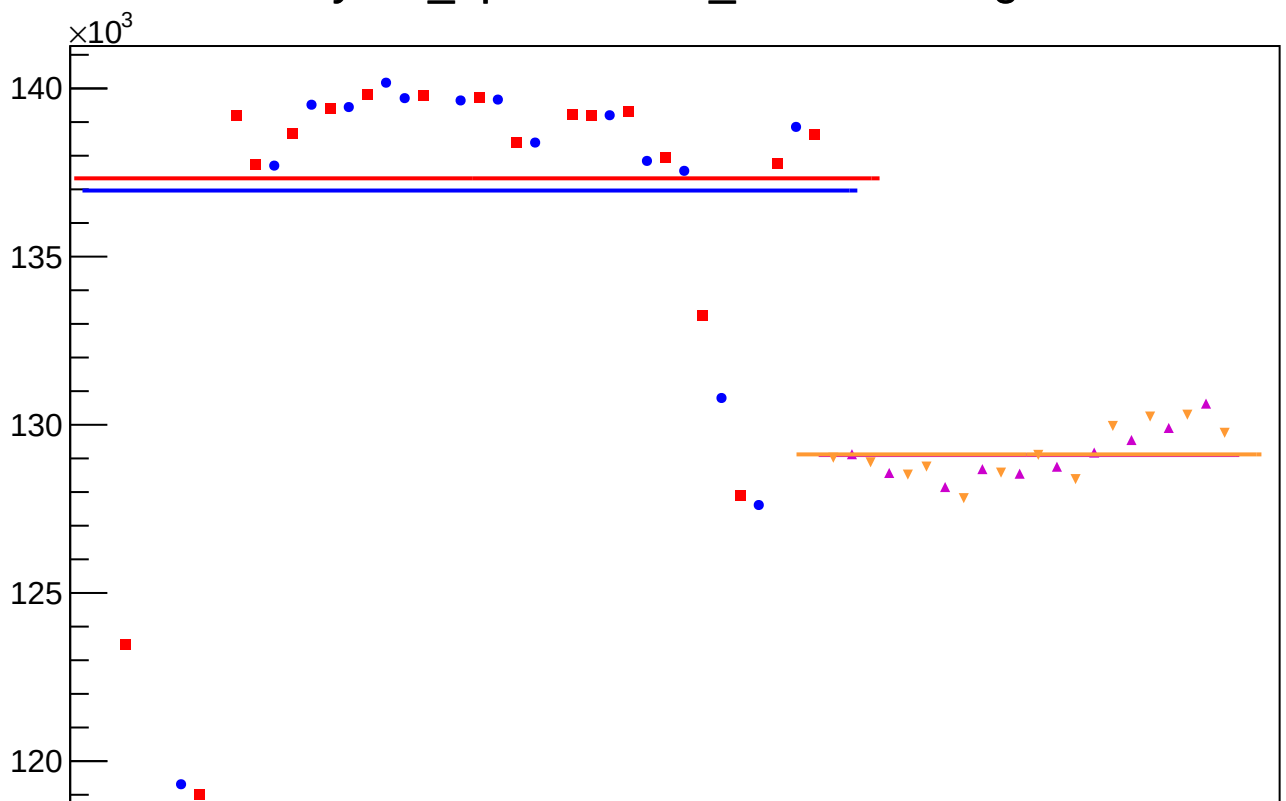
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 555.057+/-0.147 χ^2/NDF:674714.7/9

+ sign 473.057+/-0.089 χ^2/NDF: 2268036.1/27

All: 480.332+/-0.065 χ^2/NDF: 4223415.2/56

- sign 488.563+/-0.095 χ^2/NDF: 1941254.3/28



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

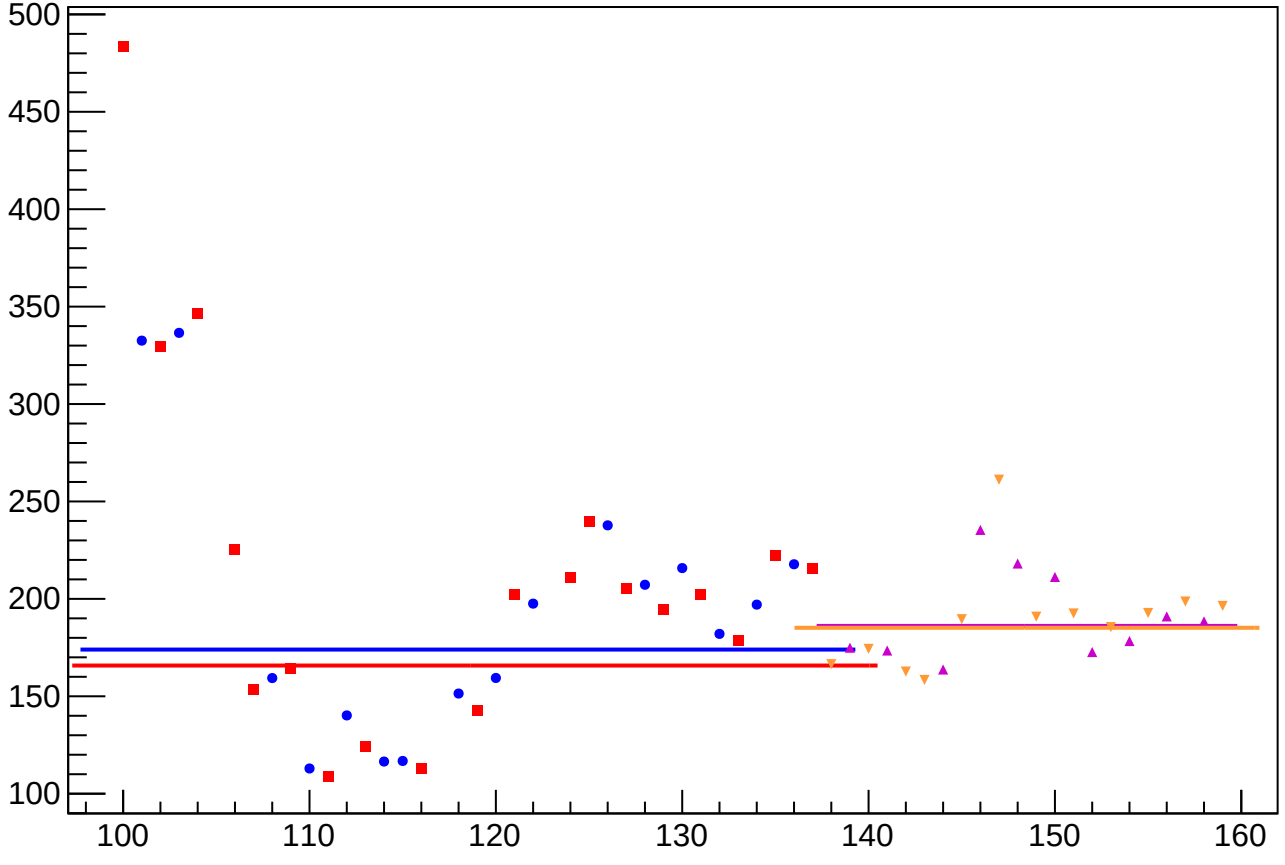
Left In: 129100.259+/-0.064 χ^2/NDF:125032066.8/9

+ sign 132532.362+/-0.046 χ^2/NDF: 13105728979.

All: 132827.650+/-0.032 χ^2/NDF: 27084679

- sign 133121.594+/-0.046 χ^2/NDF: 13896678442.

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

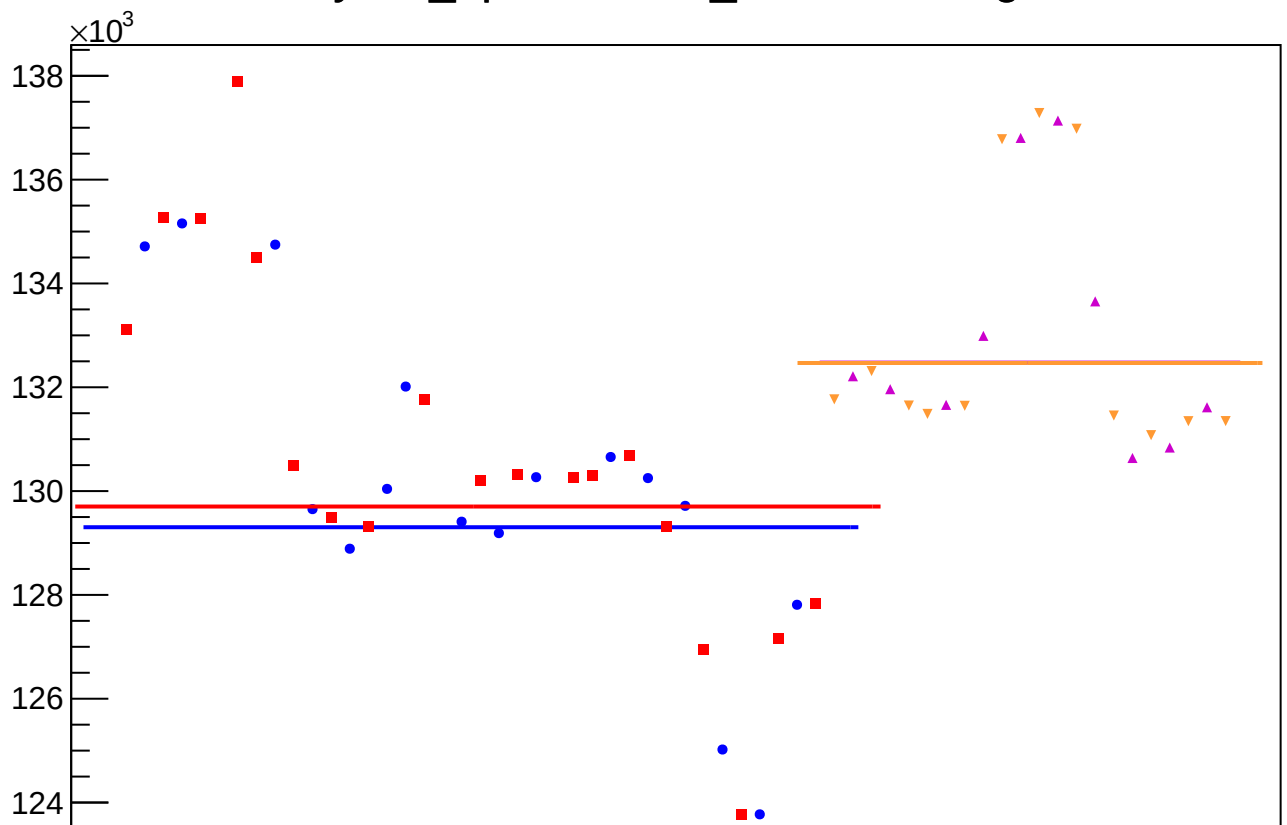
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.116+/-0.045 χ^2/NDF:200596.8/9

+ sign 180.297+/-0.033 χ^2/NDF: 1462976.2/27

All: 178.232+/-0.023 χ^2/NDF: 3202945.4/56

- sign 176.176+/-0.032 χ^2/NDF: 1731921.7/28



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

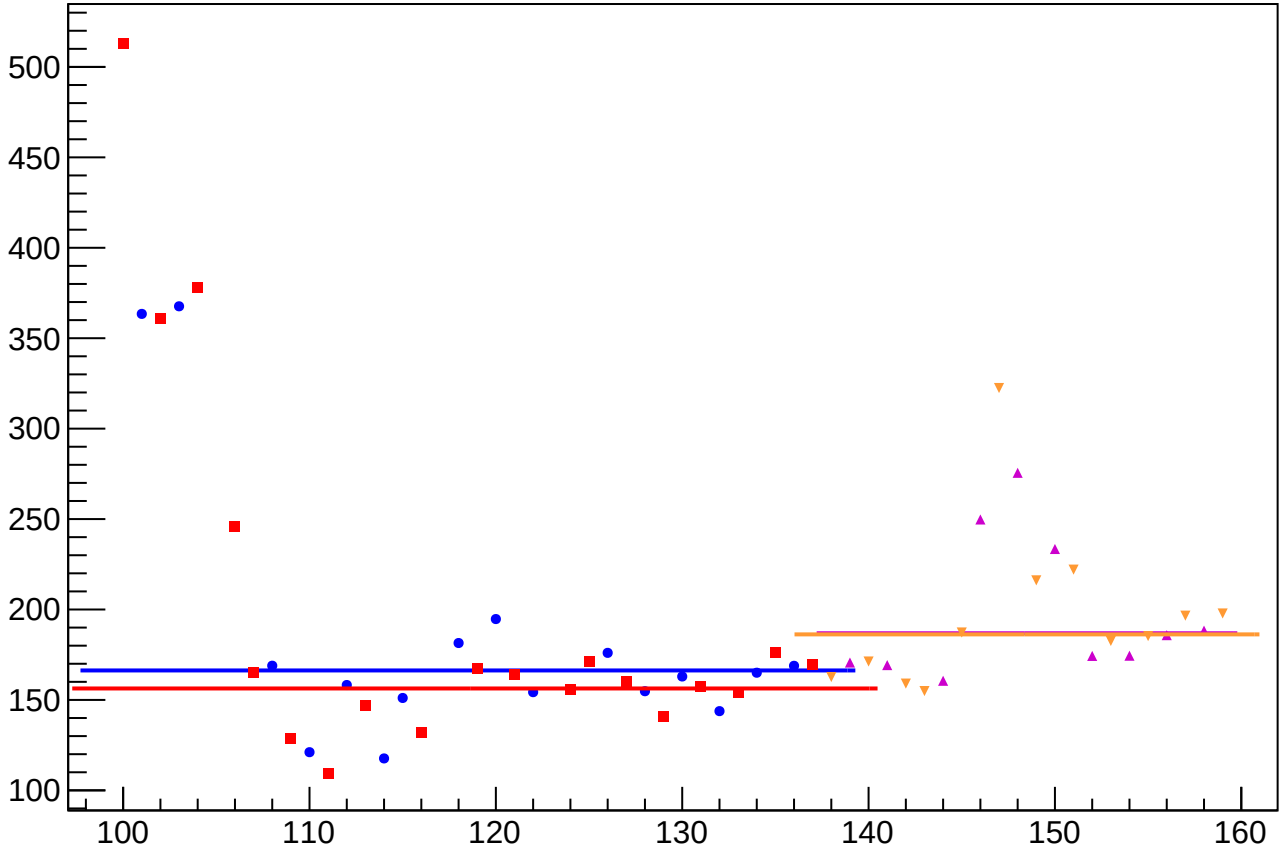
Left In: 132475.592+/-0.065 χ^2/NDF:799715668.7/9

+ sign 130985.168+/-0.045 χ^2/NDF: 3944543239.1

All: 130999.582+/-0.032 χ^2/NDF: 74820552

- sign 131013.596+/-0.045 χ^2/NDF: 3537312545.6/

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

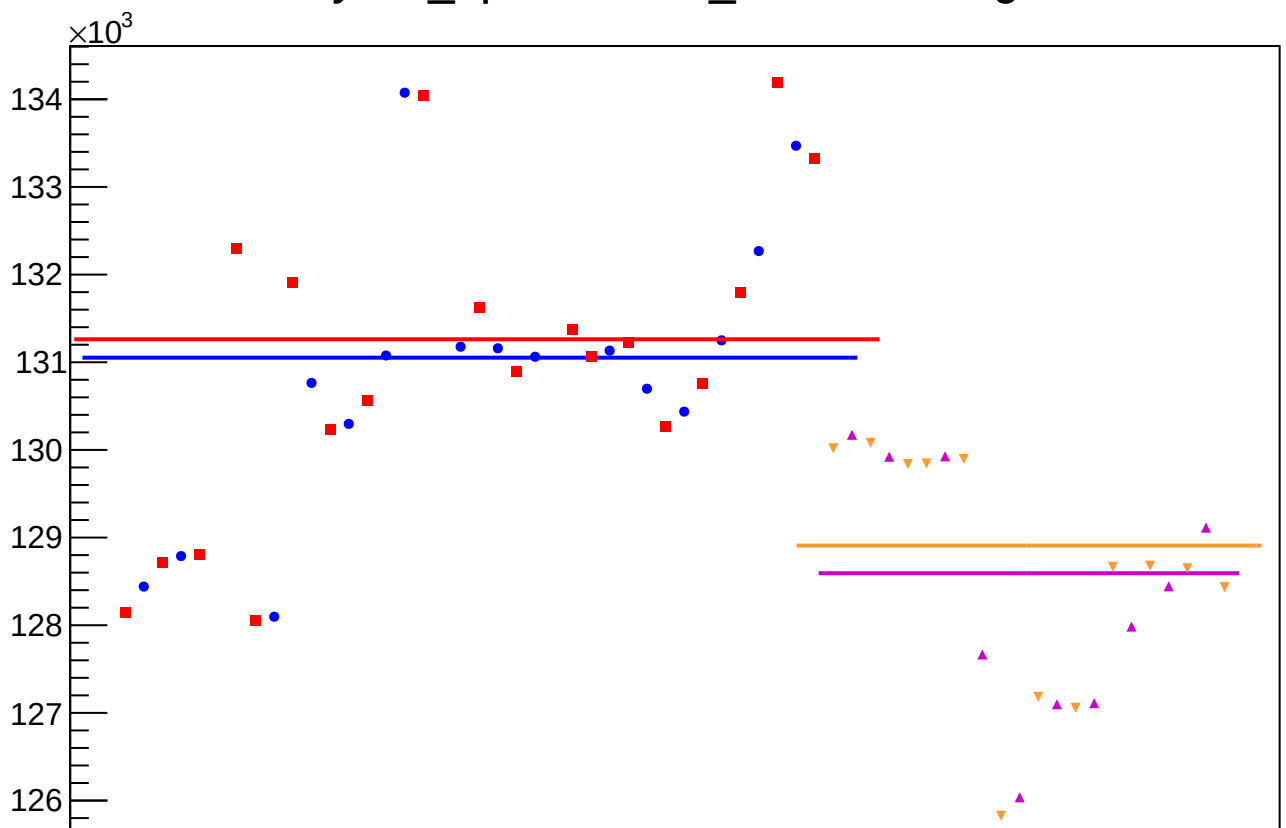
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.872+/-0.046 χ^2/NDF:446886.2/9

+ sign 176.898+/-0.032 χ^2/NDF: 1542956.1/27

All: 173.792+/-0.022 χ^2/NDF: 3414020.8/56

- sign 170.772+/-0.032 χ^2/NDF: 1852533.9/28



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

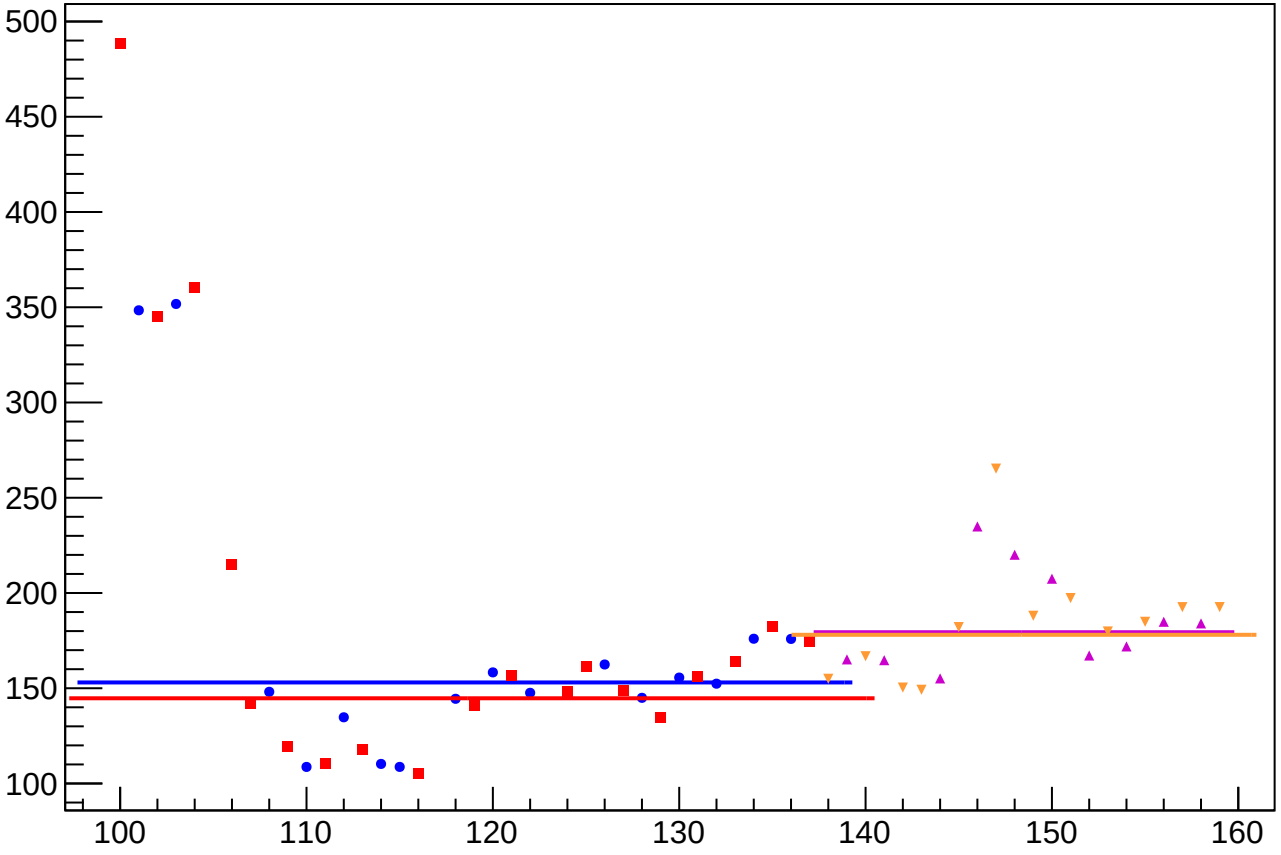
Left In: 128593.640+/-0.062 χ^2/NDF:451072380.9/9

+ sign 129951.084+/-0.042 χ^2/NDF: 1576865495.5

All: 129999.532+/-0.030 χ^2/NDF: 36448950

- sign 130046.910+/-0.042 χ^2/NDF: 2065433158.6/

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

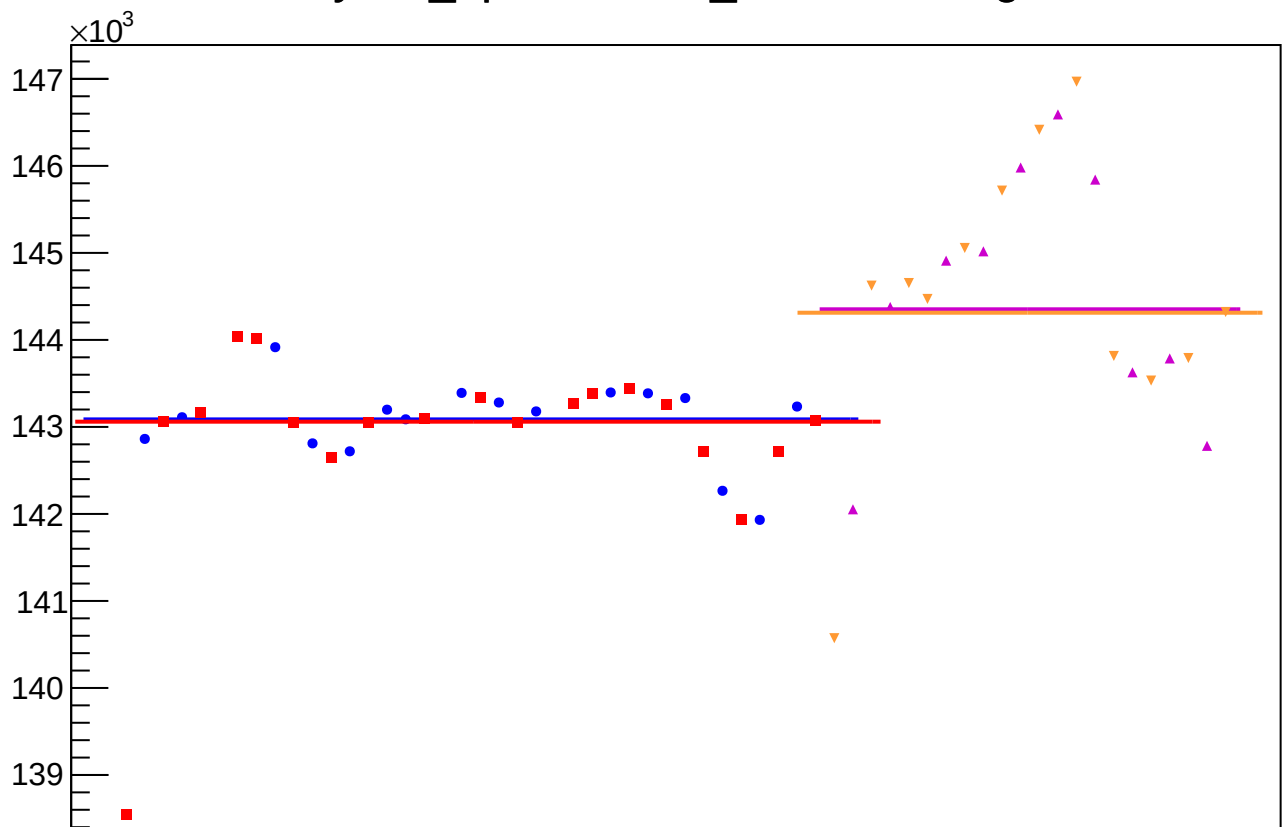
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.410+/-0.044 χ^2/NDF:269612.4/9

+ sign 165.893+/-0.030 χ^2/NDF: 1582736.5/27

All: 163.179+/-0.021 χ^2/NDF: 3473233.4/56

- sign 160.524+/-0.030 χ^2/NDF: 1874195.7/28



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

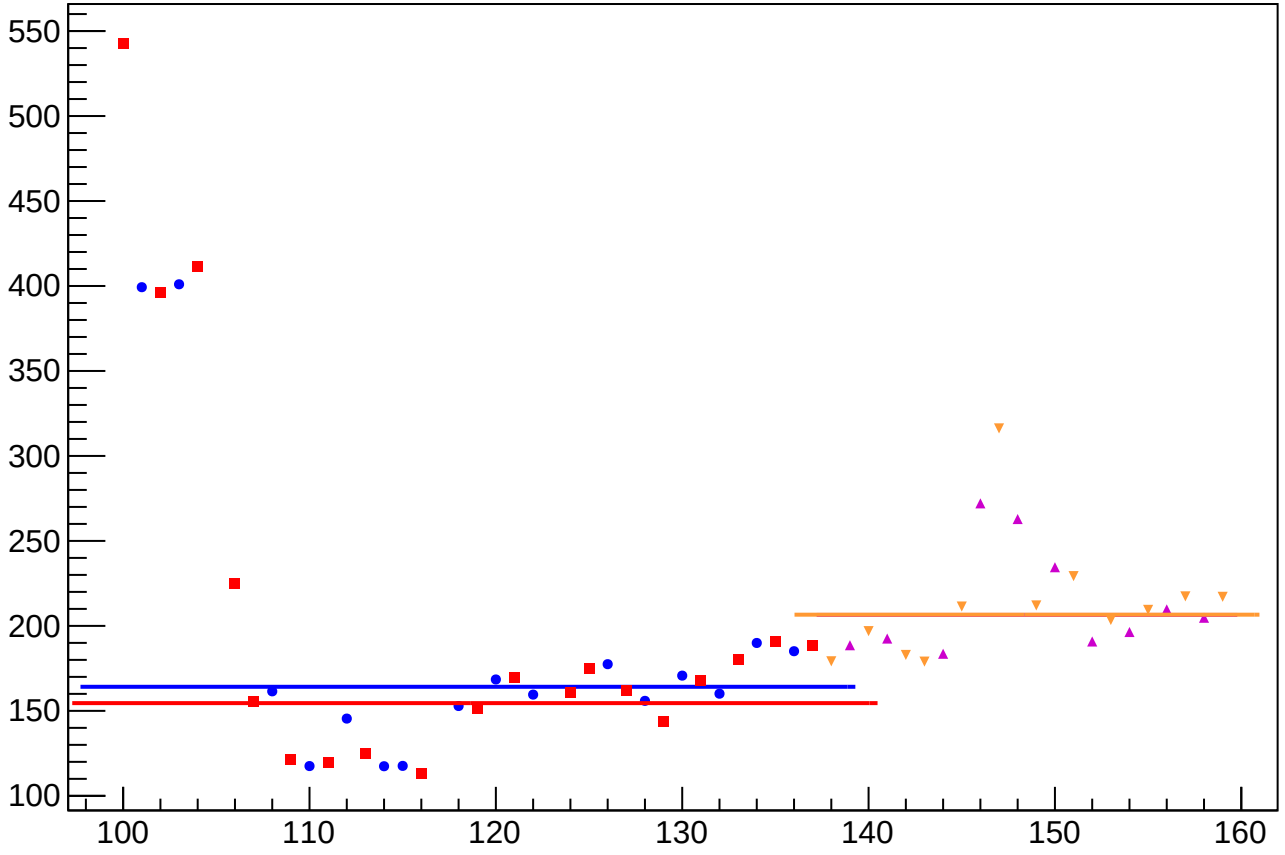
Left In: 144351.800+/-0.071 χ^2/NDF:368914894.6/9

+ sign 143667.668+/-0.047 χ^2/NDF: 781604221.5/2

All: 143634.057+/-0.033 χ^2/NDF: 13933403

- sign 143601.824+/-0.046 χ^2/NDF: 610742743.2/2

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

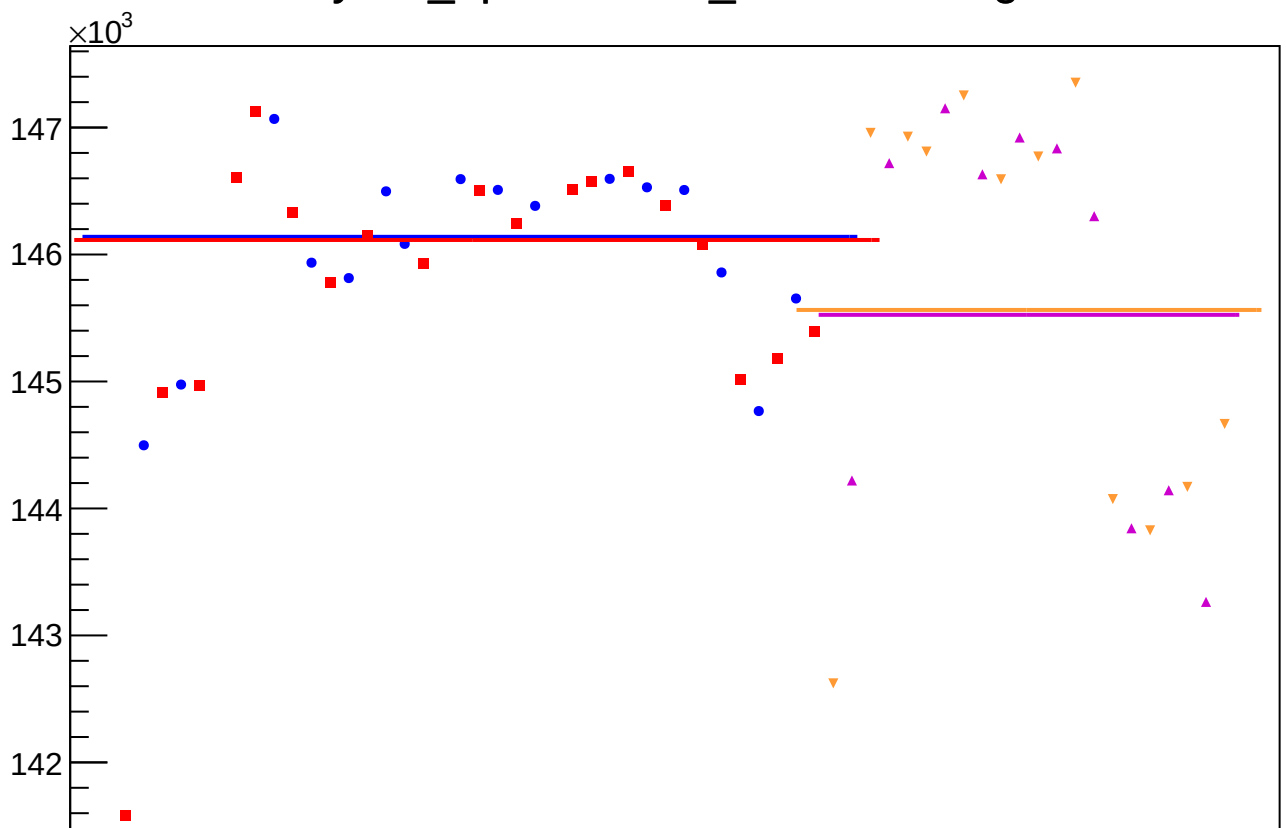
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.439+/-0.050 χ^2/NDF:268997.5/9

+ sign 184.280+/-0.033 χ^2/NDF: 1846506.5/27

All: 180.213+/-0.023 χ^2/NDF: 4124979.7/56

- sign 176.312+/-0.033 χ^2/NDF: 2249382.8/28



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

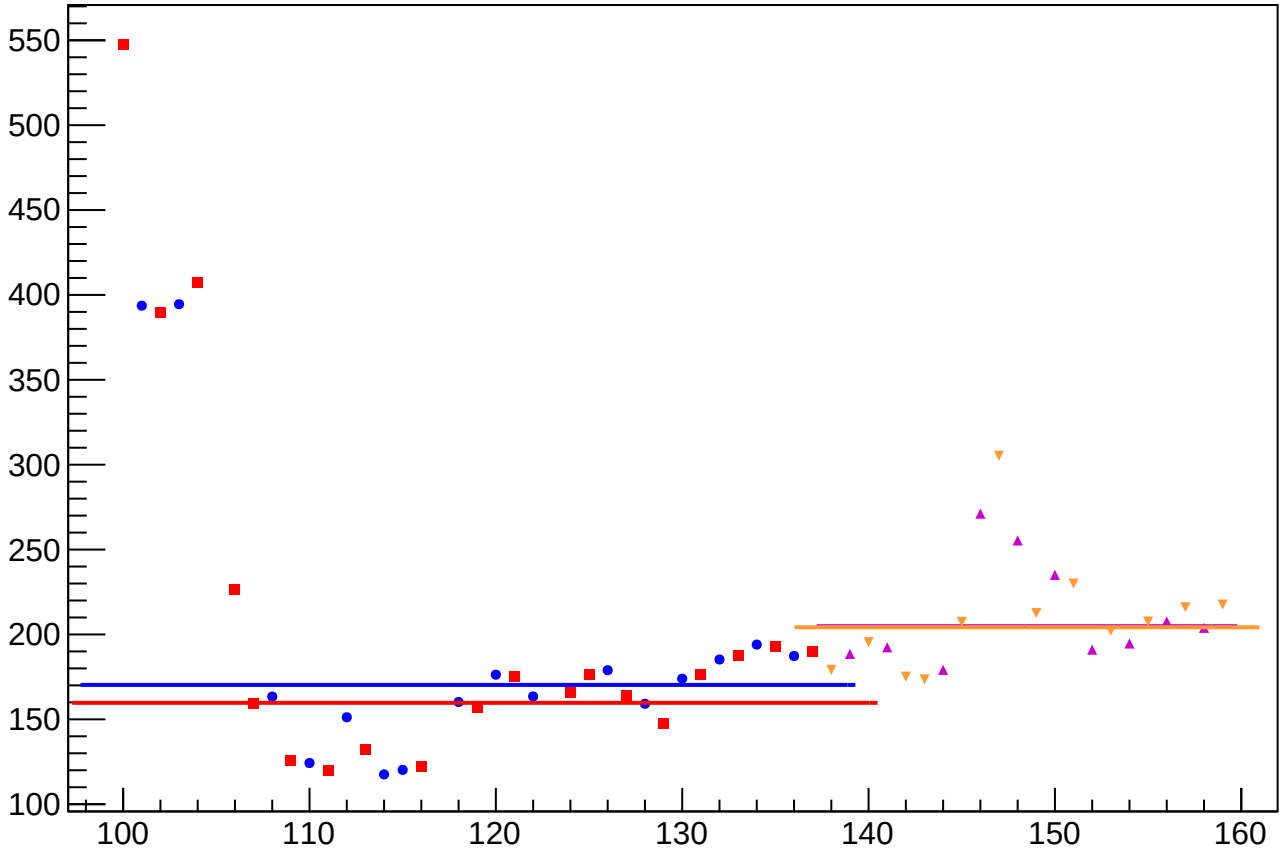
Left In: 145524.988+/-0.071 χ^2/NDF:431755661.5/9

+ sign 145852.658+/-0.048 χ^2/NDF: 700995453.5/2

All: 145854.647+/-0.033 χ^2/NDF: 12447994(

- sign 145856.562+/-0.047 χ^2/NDF: 543800542.8/2

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

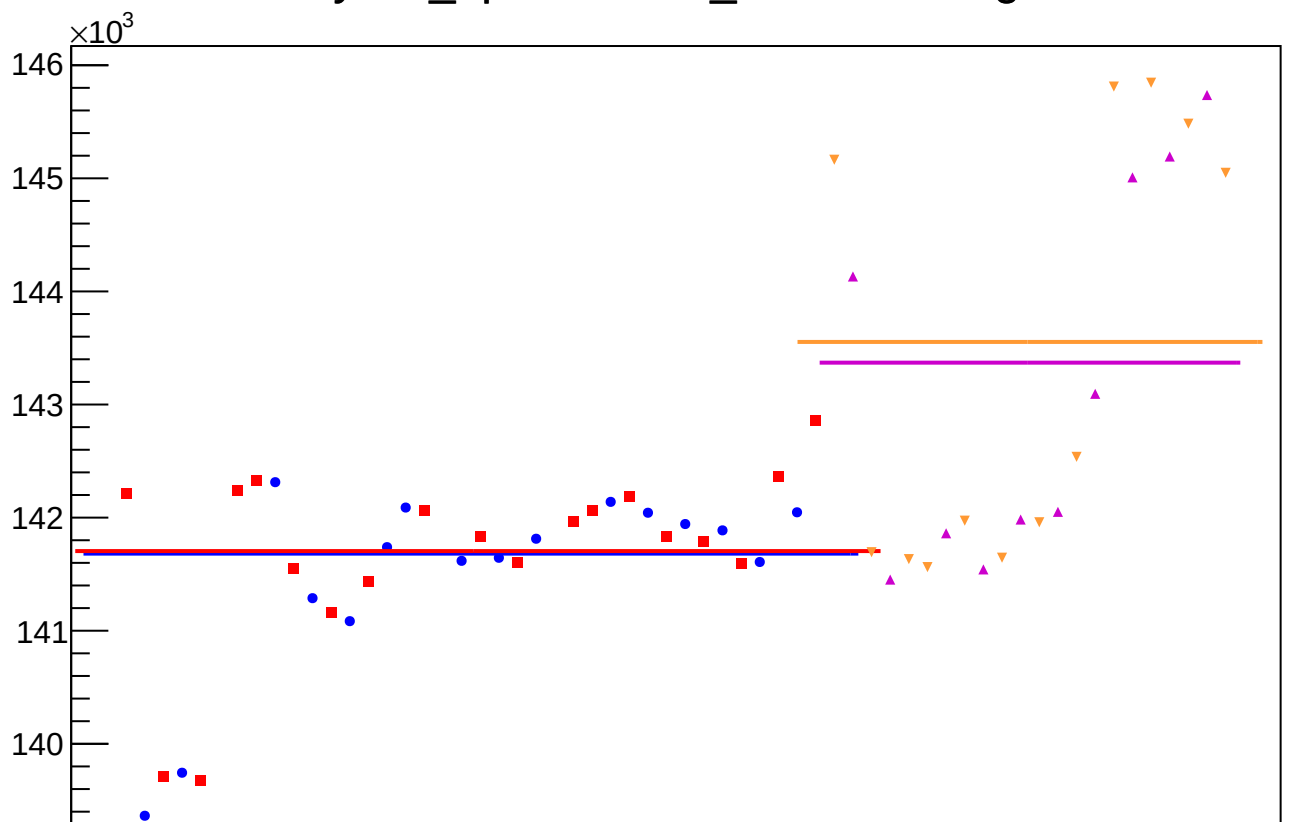
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 204.862+/-0.050 χ^2/NDF:266143.6/9

+ sign 187.168+/-0.034 χ^2/NDF: 1630039.1/27

All: 183.247+/-0.024 χ^2/NDF: 3670618.1/56

- sign 179.472+/-0.033 χ^2/NDF: 2014118.5/28



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

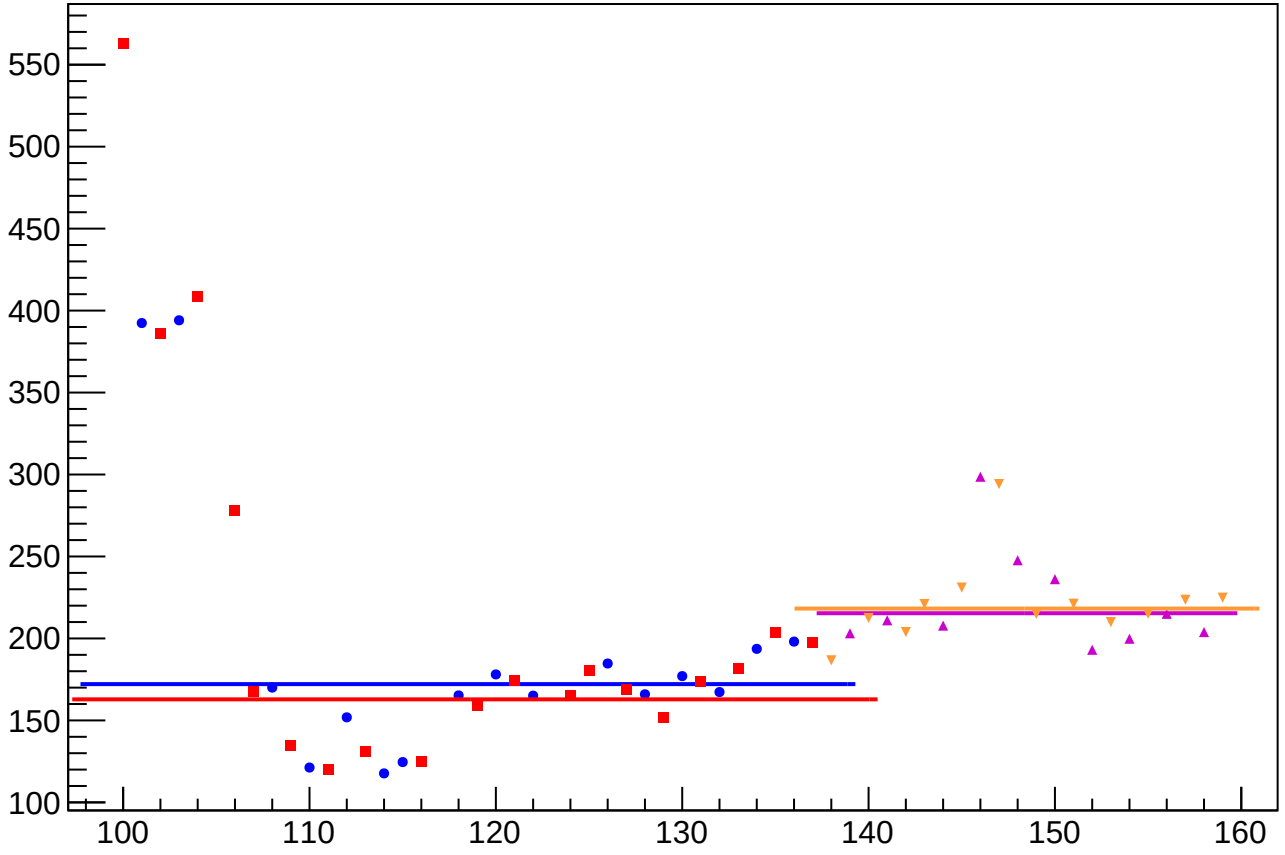
Left In: 143370.204+/-0.074 χ^2/NDF:447762560.4/9

+ sign 142568.714+/-0.050 χ^2/NDF: 1054860522.2

All: 142487.479+/-0.035 χ^2/NDF: 18622632

- sign 142409.760+/-0.048 χ^2/NDF: 802137015.0/2

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

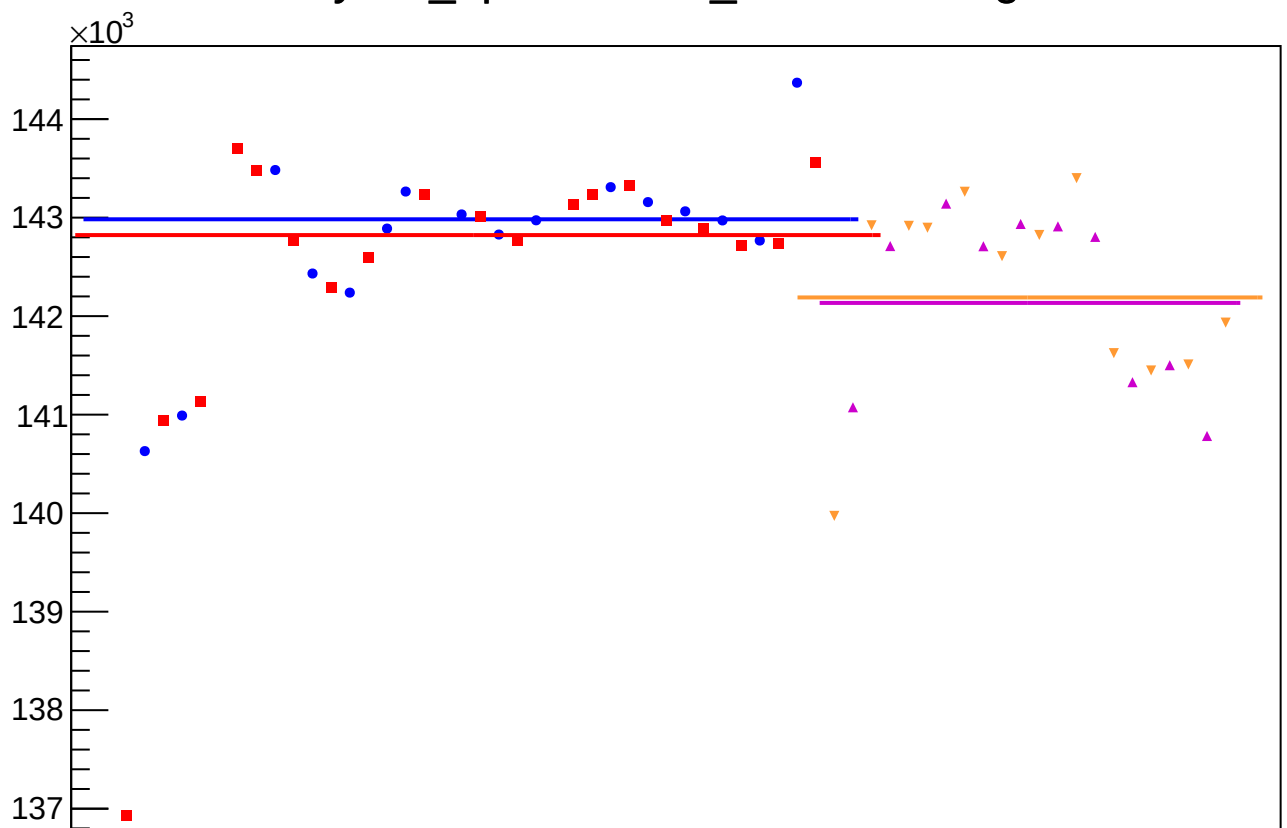
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 215.387+/-0.053 χ^2/NDF:223392.5/9

+ sign 193.983+/-0.035 χ^2/NDF: 1670130.5/27

All: 189.442+/-0.024 χ^2/NDF: 3806882.4/56

- sign 185.097+/-0.034 χ^2/NDF: 2103835.1/28



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

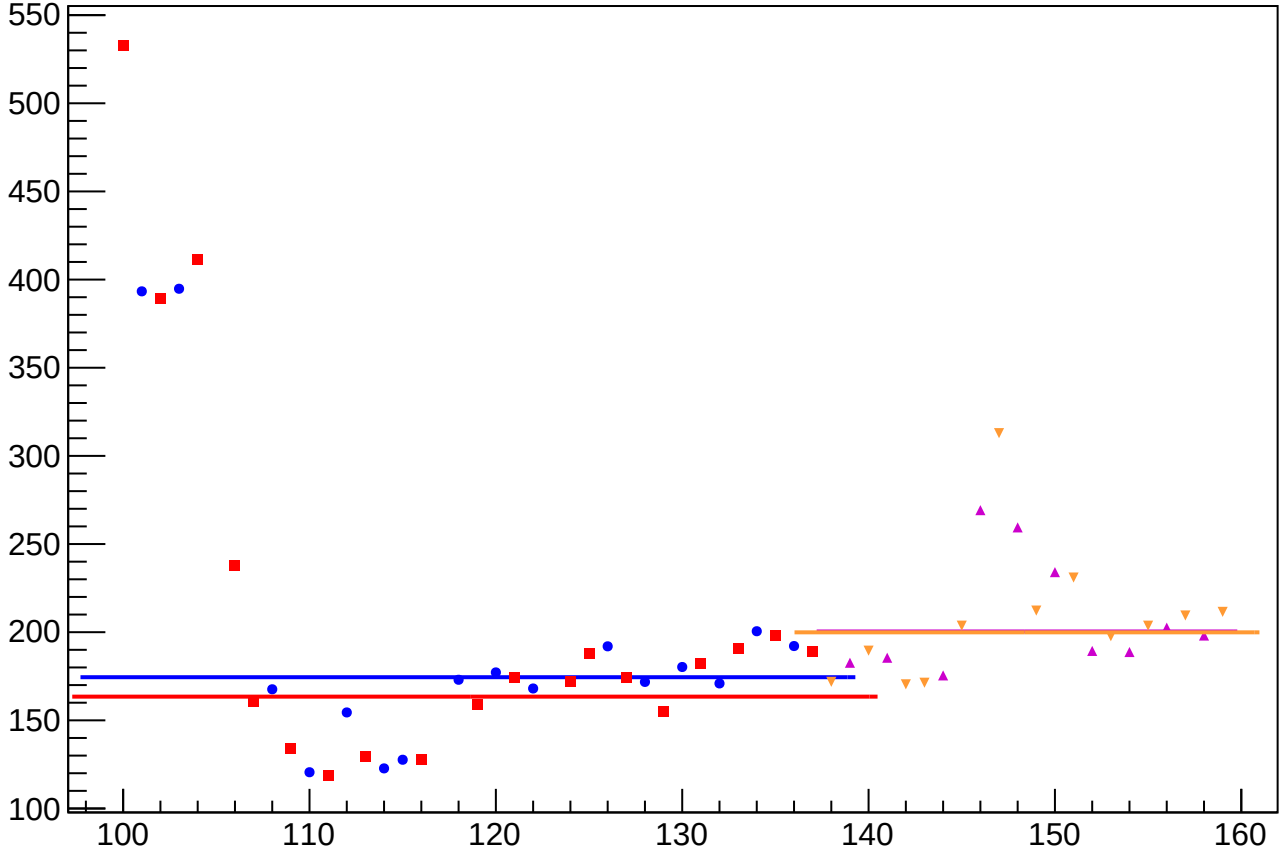
Left In: 142134.127+/-0.069 χ^2/NDF:161379614.9/9

+ sign 142569.859+/-0.048 χ^2/NDF: 415186167.8/2

All: 142537.235+/-0.034 χ^2/NDF: 6943046

- sign 142505.702+/-0.047 χ^2/NDF: 278204046.3/2

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

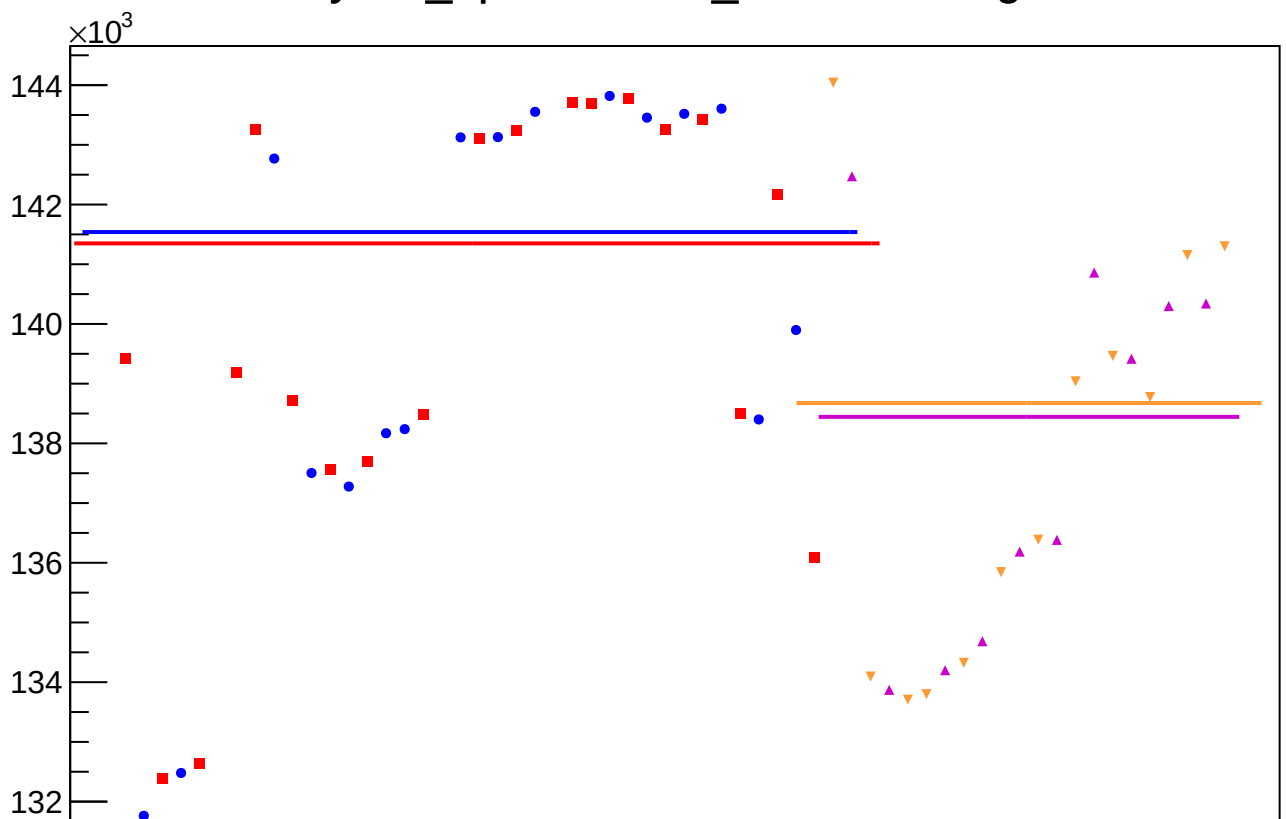
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.409+/-0.049 χ^2/NDF:309253.8/9

\+ sign 187.720+/-0.034 χ^2/NDF: 1563563.9/27

All: 184.031+/-0.024 χ^2/NDF: 3485490.9/56

\- sign 180.465+/-0.033 χ^2/NDF: 1898537.7/28



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

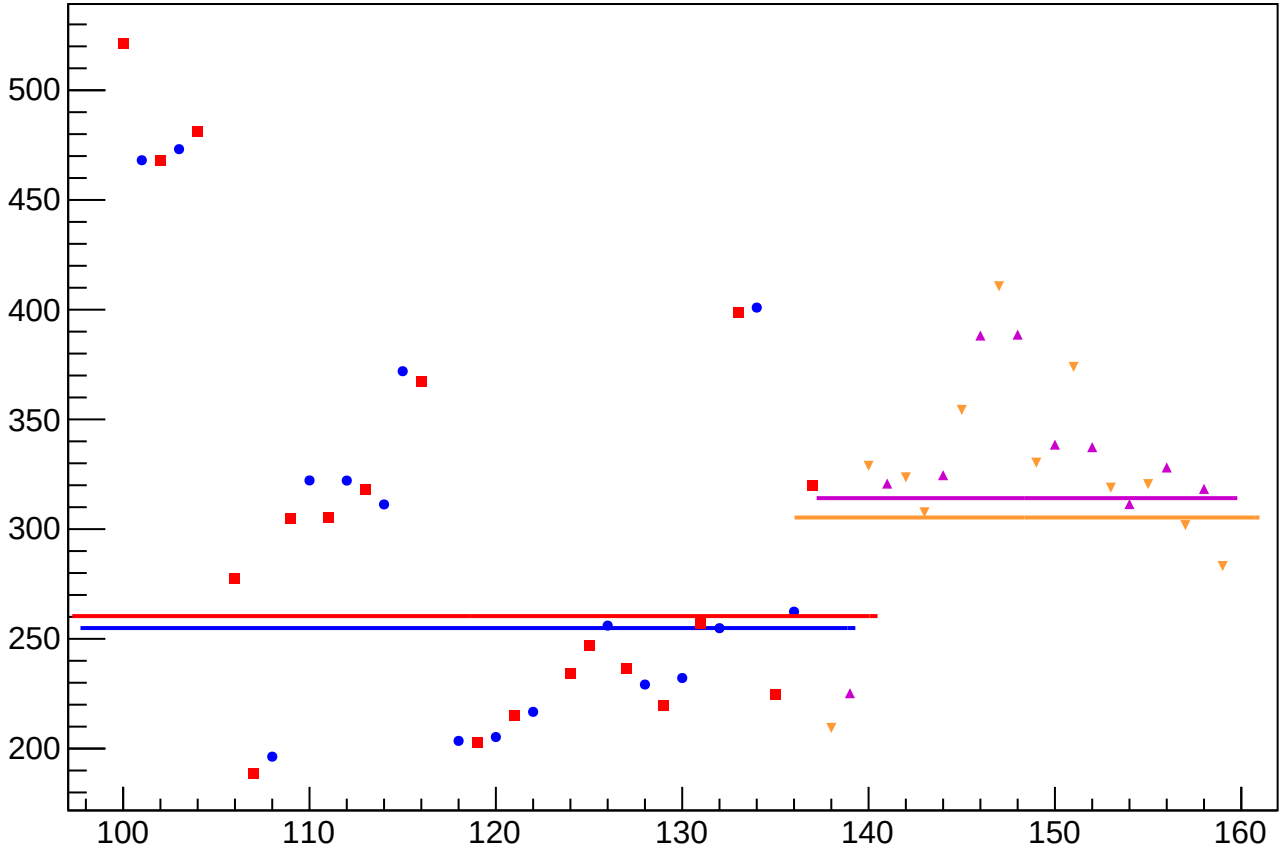
Left In: 138443.475+/-0.110 χ^2/NDF:822908380.9/9

+ sign 140128.602+/-0.072 χ^2/NDF: 2602599404.1

All: 140073.785+/-0.052 χ^2/NDF: 47331108

- sign 140015.072+/-0.074 χ^2/NDF: 2129304557.0/

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

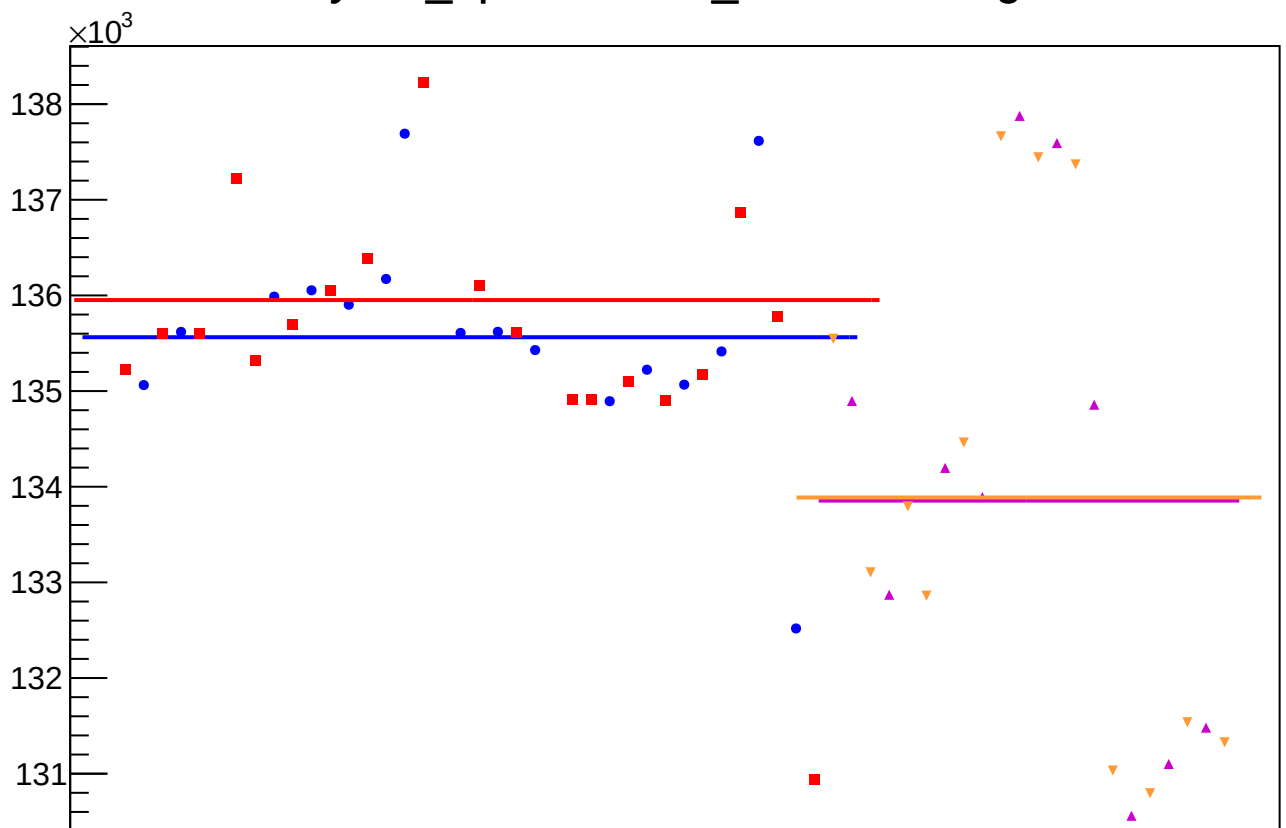
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 314.127+/-0.078 χ^2/NDF:394642.9/9

+ sign 279.735+/-0.051 χ^2/NDF: 1739662.0/27

All: 282.303+/-0.037 χ^2/NDF: 3392805.1/56

- sign 285.054+/-0.053 χ^2/NDF: 1647844.1/28



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

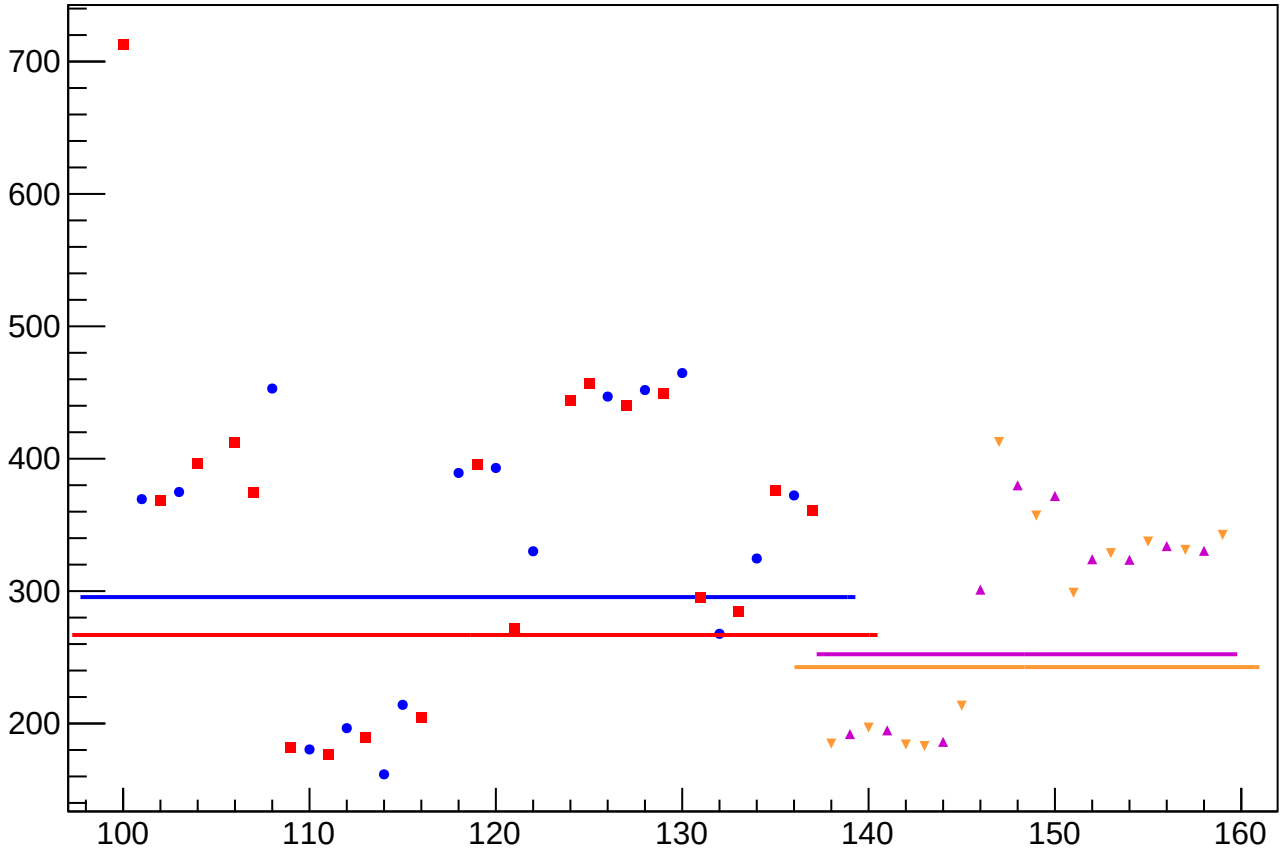
Left In: 133855.174+/-0.090 χ^2/NDF:429038526.1/9

+ sign 134443.253+/-0.068 χ^2/NDF: 806972222.6/2

All: 134586.651+/-0.048 χ^2/NDF: 15623898

- sign 134732.755+/-0.069 χ^2/NDF: 746485128.1/2

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

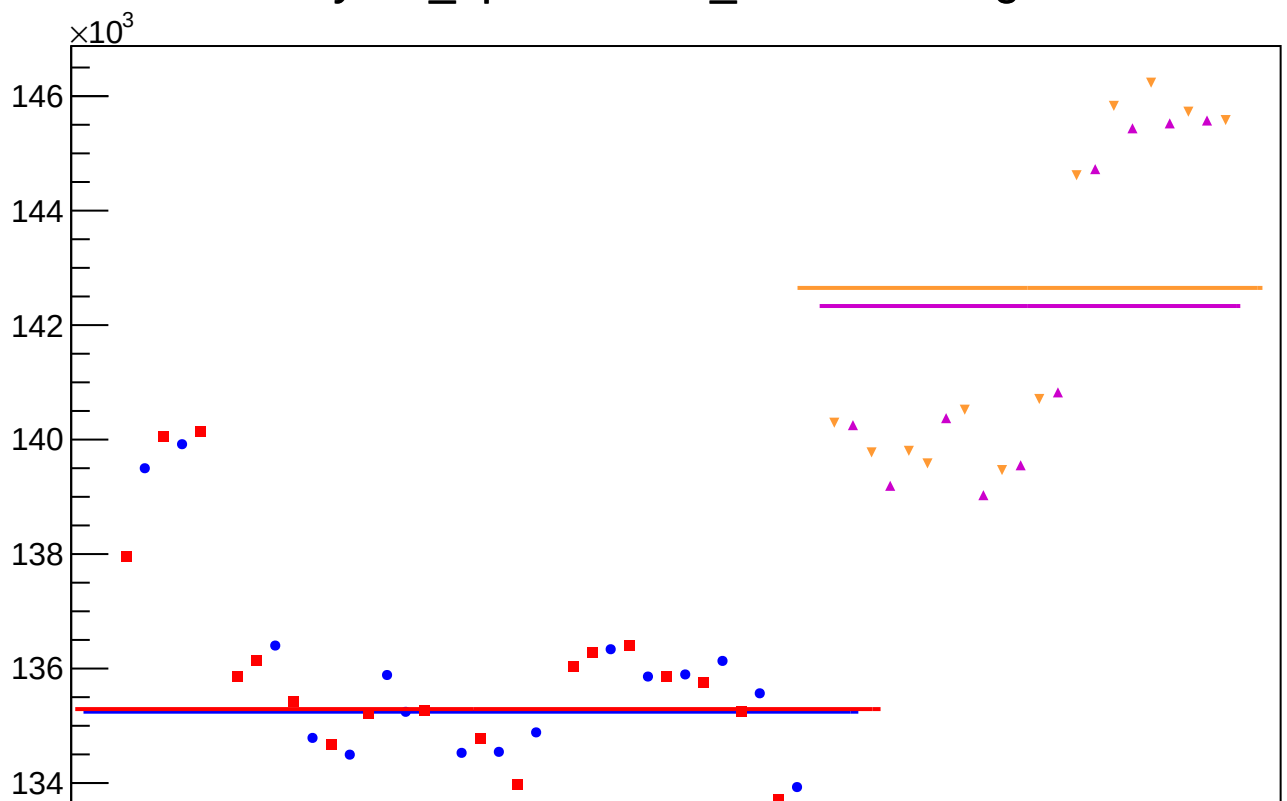
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 252.309+/-0.064 χ^2/NDF:1306413.5/9

+ sign 260.139+/-0.048 χ^2/NDF: 3223531.1/27

All: 259.279+/-0.034 χ^2/NDF: 6230438.2/56

- sign 258.402+/-0.049 χ^2/NDF: 3006263.8/28



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

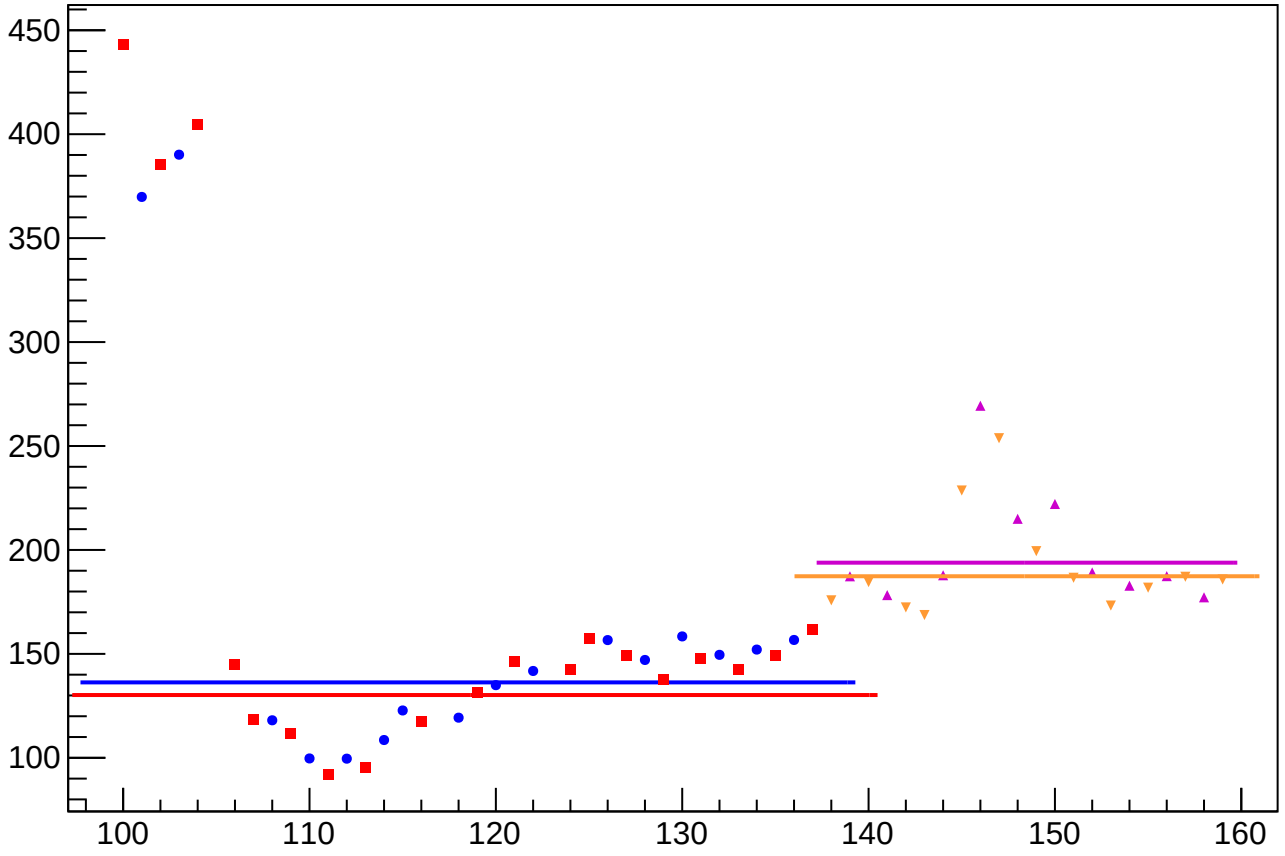
Left In: 142333.404+/-0.067 χ^2/NDF:1674990967.6/9

+ sign 138489.543+/-0.041 χ^2/NDF: 10488970629.9

All: 138204.309+/-0.029 χ^2/NDF: 19552040

- sign 137919.763+/-0.041 χ^2/NDF: 8966484666.0/

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

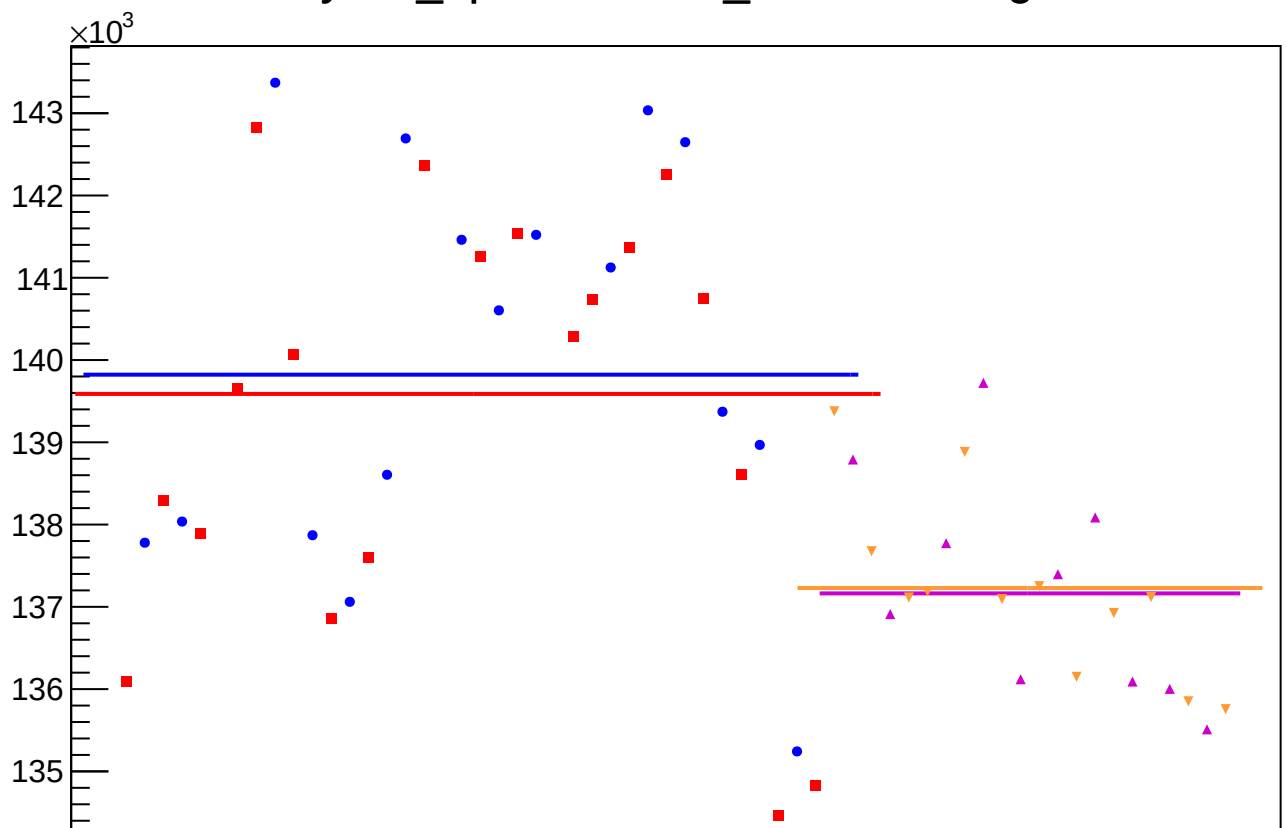
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 193.874+/-0.047 χ^2/NDF:217286.7/9

+ sign 158.653+/-0.029 χ^2/NDF: 2355580.2/27

All: 156.307+/-0.020 χ^2/NDF: 5236545.7/56

- sign 153.967+/-0.029 χ^2/NDF: 2867900.5/28



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

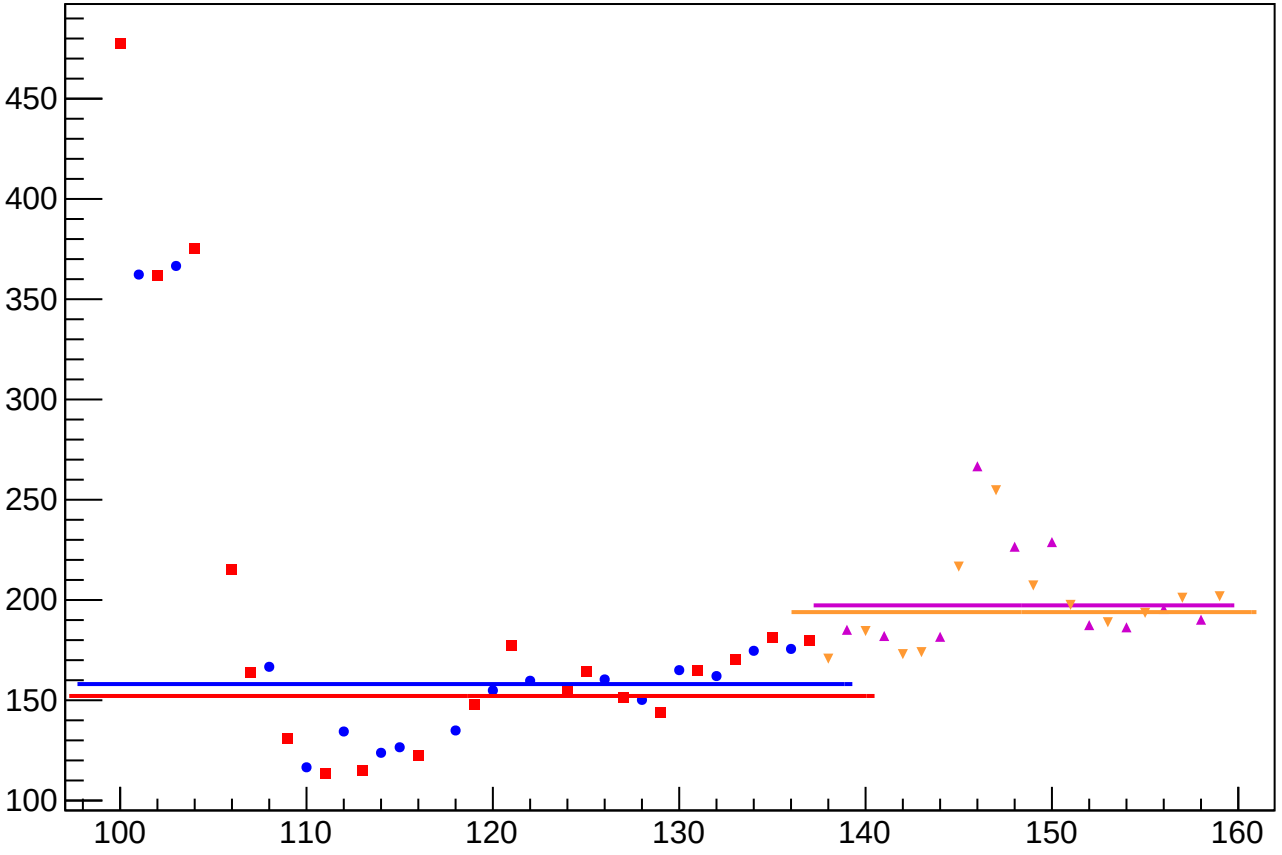
Left In: 137163.409+/-0.068 χ^2/NDF:315133054.1/9

+ sign 138559.751+/-0.045 χ^2/NDF: 2777736512.8

All: 138549.338+/-0.032 χ^2/NDF: 52888768

- sign 138538.856+/-0.045 χ^2/NDF: 2511032136.5/

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

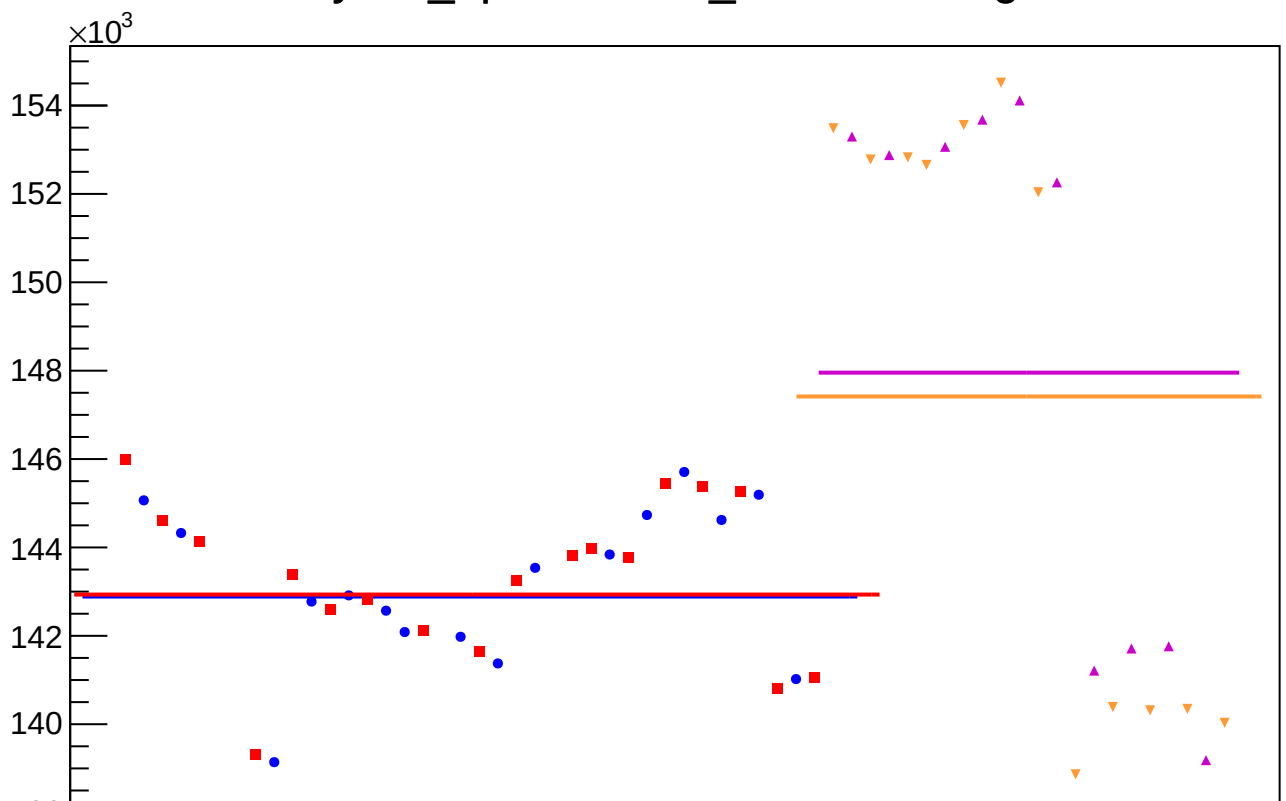
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 197.326+/-0.048 χ^2/NDF:222011.1/9

+ sign 175.550+/-0.032 χ^2/NDF: 1524857.9/27

All: 173.627+/-0.022 χ^2/NDF: 3478639.8/56

- sign 171.691+/-0.032 χ^2/NDF: 1946396.1/28



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

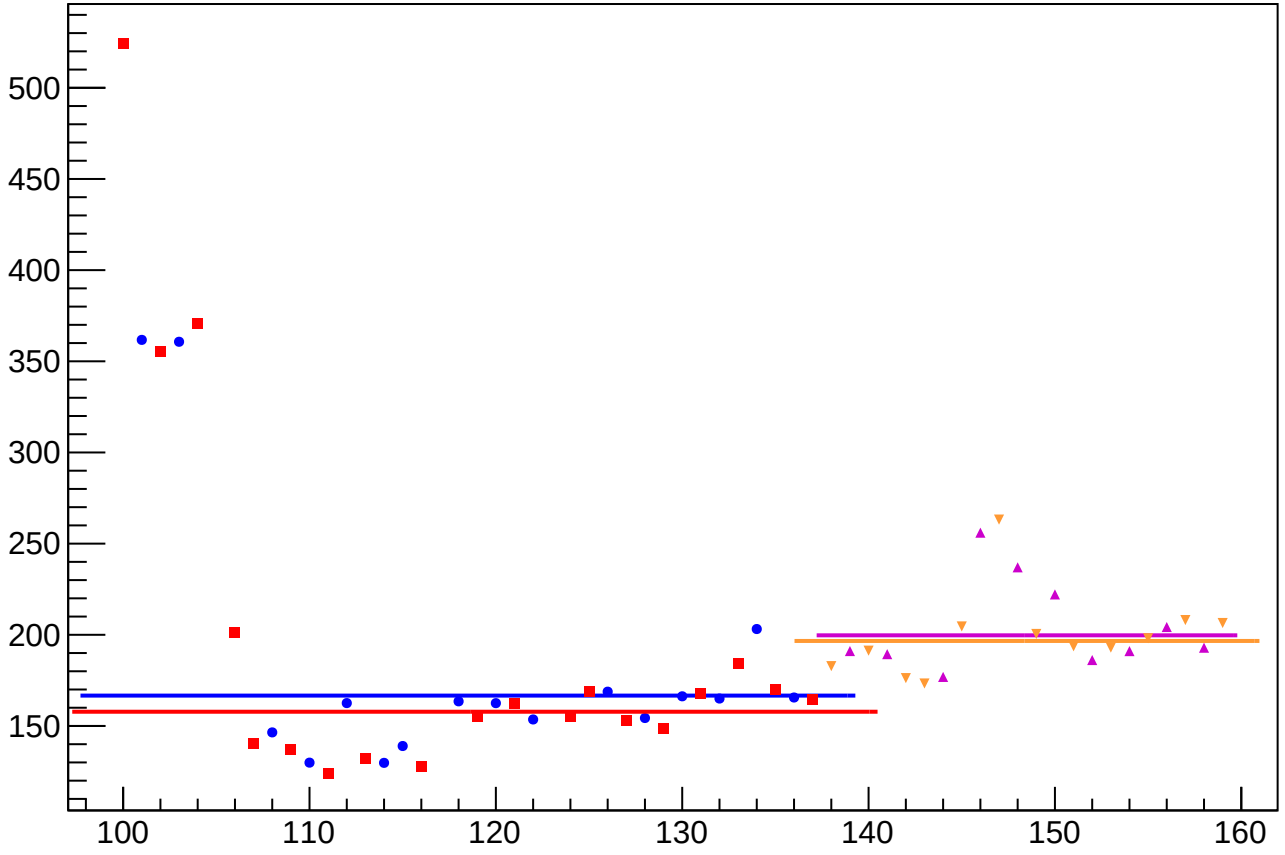
Left In: 147955.354+/-0.069 χ^2/NDF:7784626322.4/9

+ sign 145175.640+/-0.046 χ^2/NDF: 13133762036.

All: 145166.560+/-0.033 χ^2/NDF: 24654595

- sign 145157.589+/-0.046 χ^2/NDF: 11520757012.

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

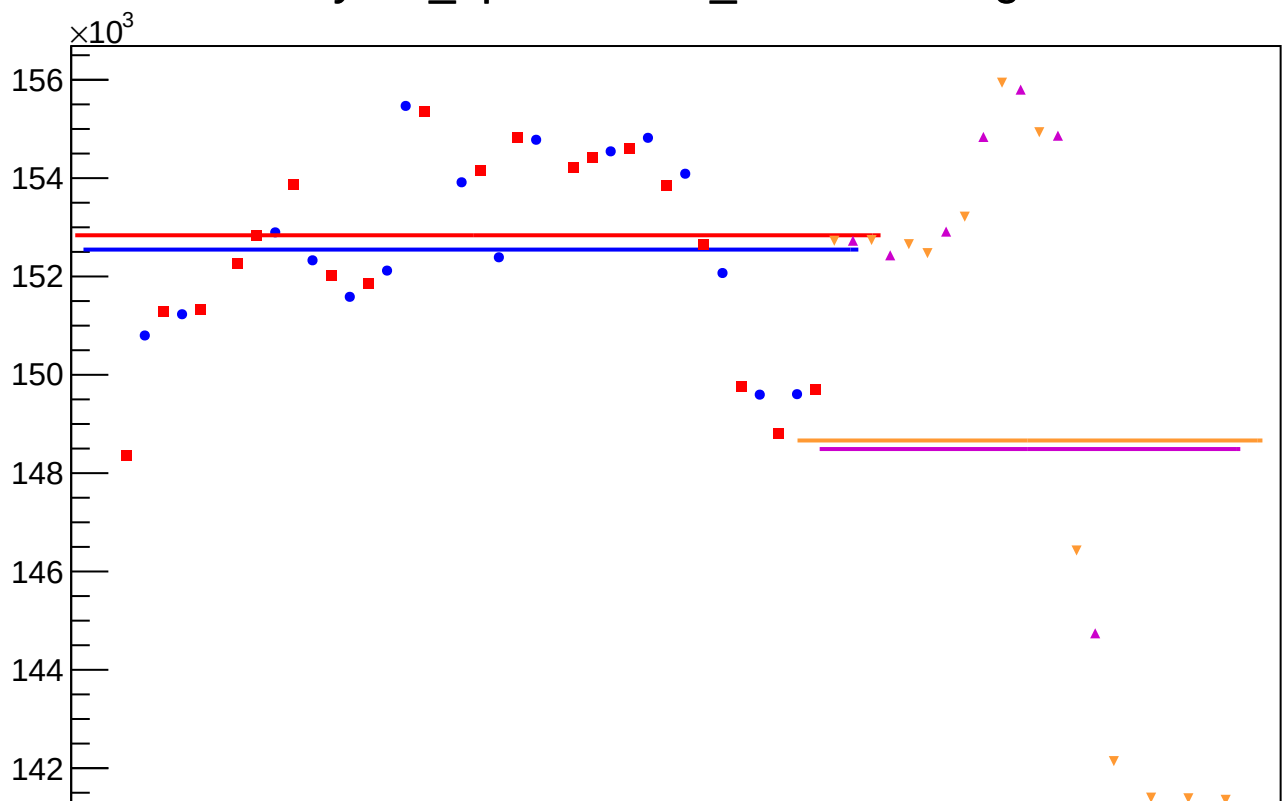
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 199.715+/-0.049 χ^2/NDF:195238.8/9

+ sign 181.792+/-0.033 χ^2/NDF: 1240463.3/27

All: 179.063+/-0.023 χ^2/NDF: 2882637.6/56

- sign 176.367+/-0.032 χ^2/NDF: 1628309.1/28



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

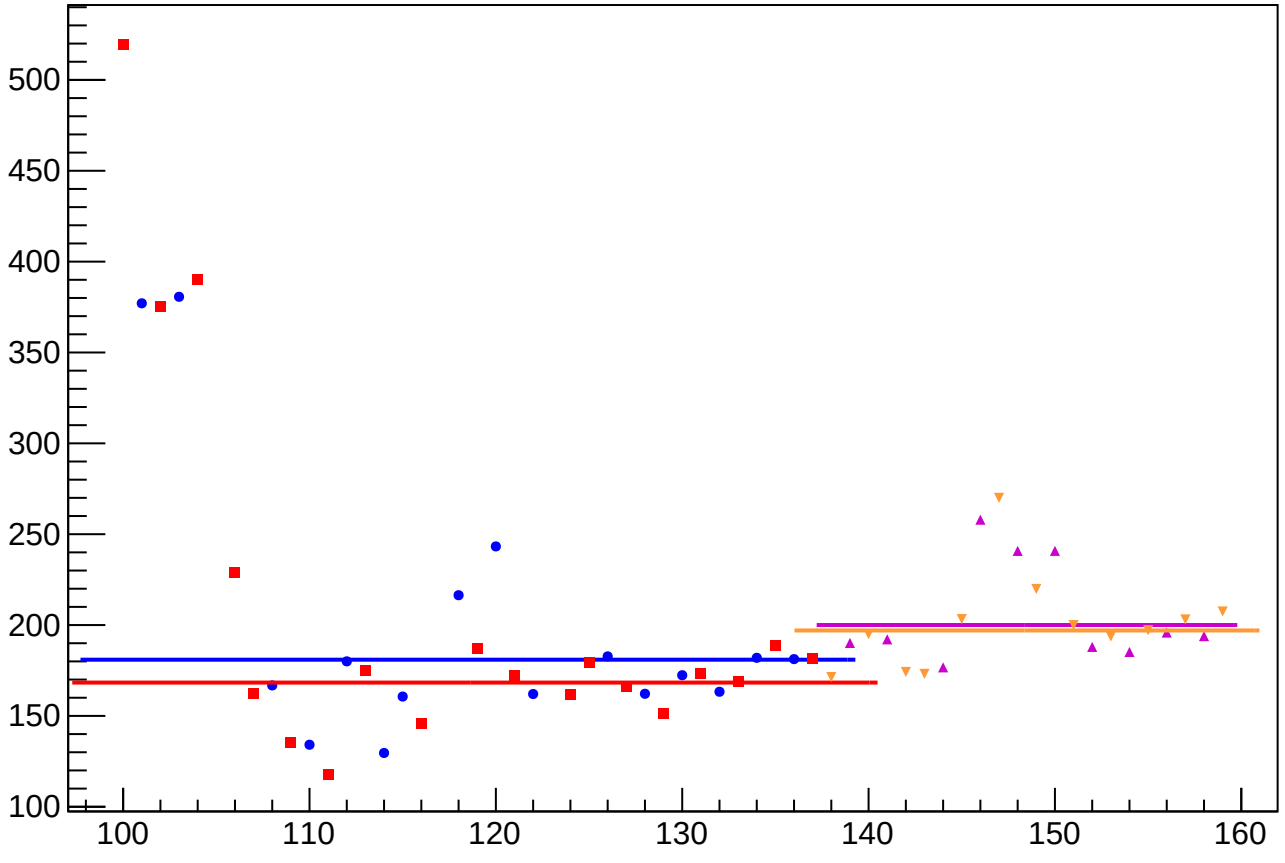
Left In: 148490.356+/-0.069 χ^2/NDF:7338943075.0/9

+ sign 150391.188+/-0.048 χ^2/NDF: 9476914114.9

All: 150567.063+/-0.034 χ^2/NDF: 19631973

- sign 150739.449+/-0.048 χ^2/NDF: 10128942926.0

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

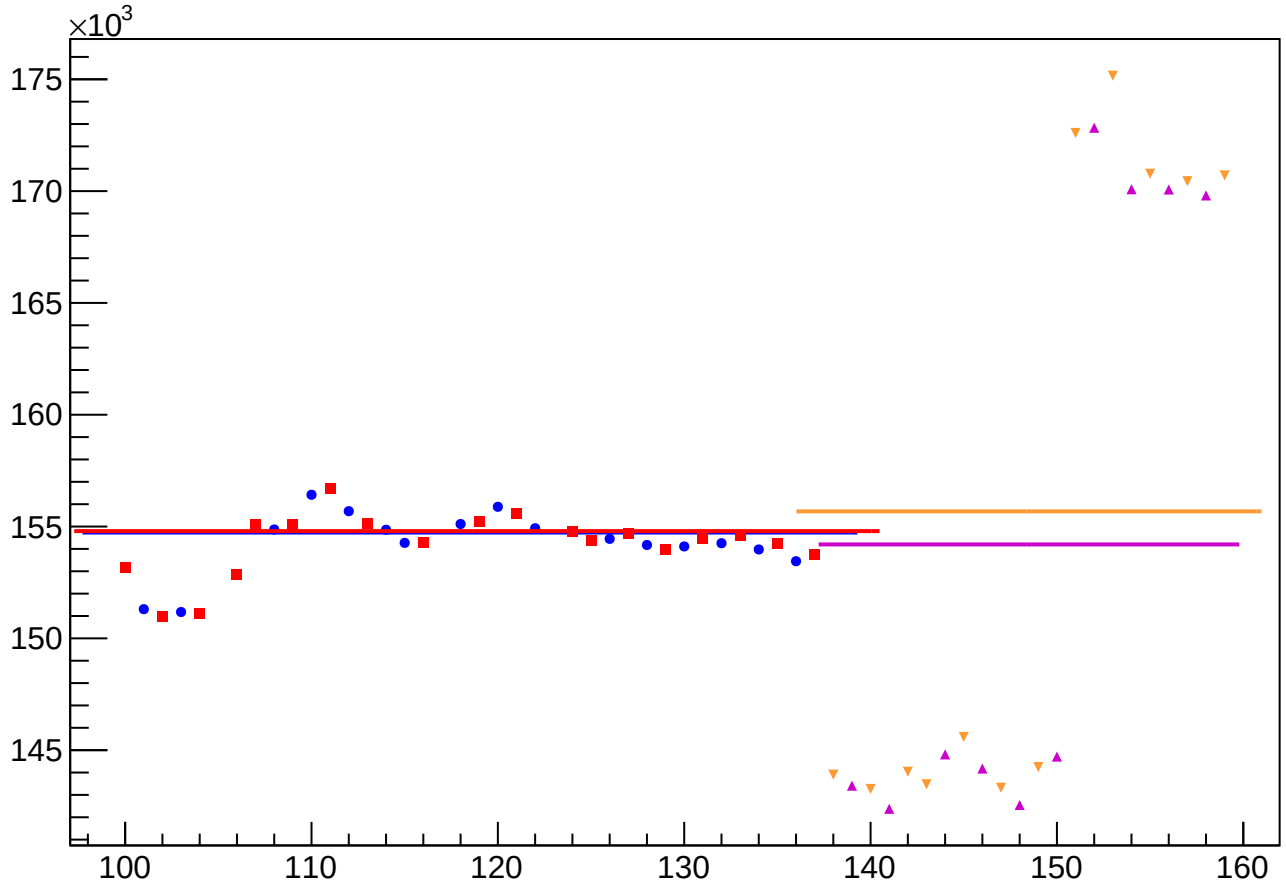
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.024+/-0.049 χ^2/NDF:244281.5/9

+ sign 189.867+/-0.034 χ^2/NDF: 1186445.2/27

All: 186.721+/-0.024 χ^2/NDF: 2754485.2/56

- sign 183.638+/-0.034 χ^2/NDF: 1551329.1/28



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

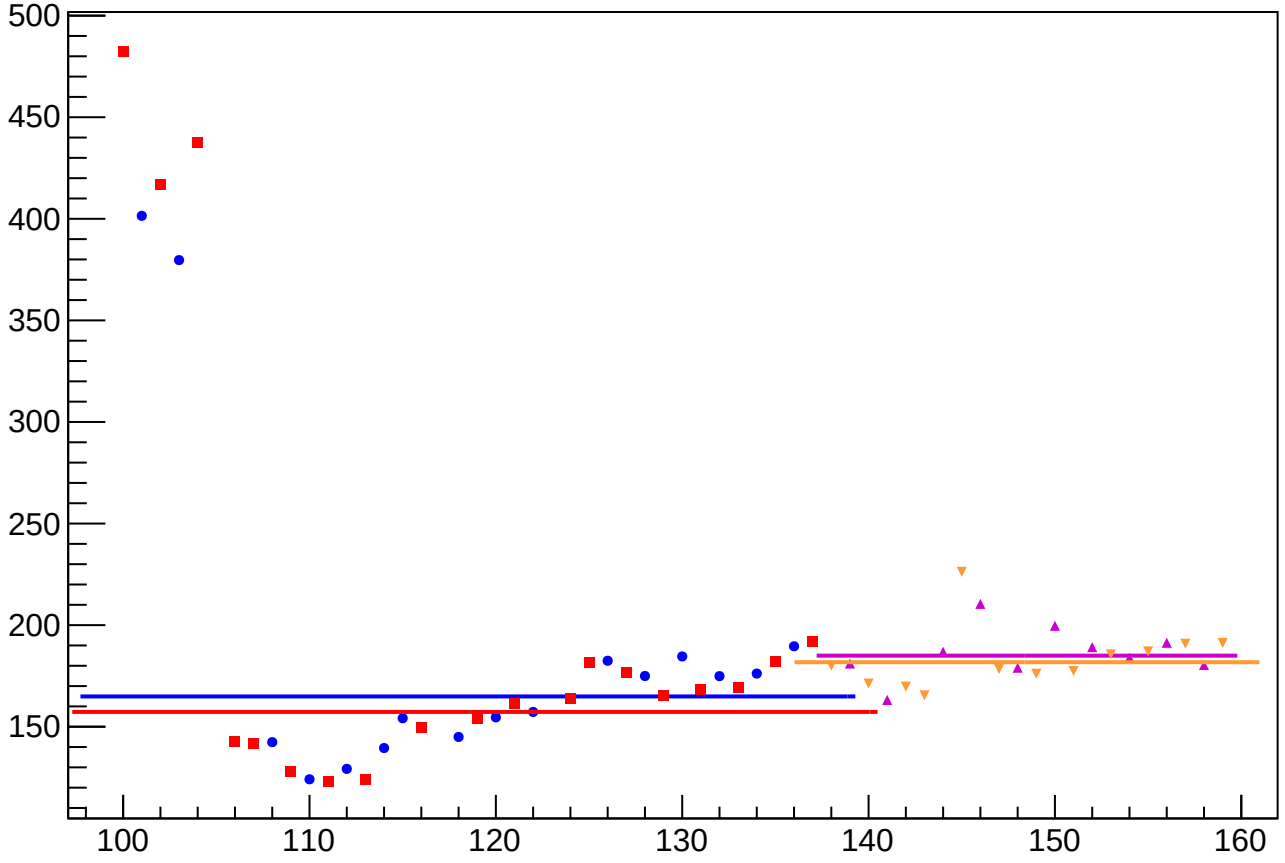
Left In: 154200.248+/-0.063 χ^2/NDF:44034384129.3/9

+ sign 155248.205+/-0.044 χ^2/NDF: 55151032651.

All: 154878.155+/-0.031 χ^2/NDF: 996769059

- sign 154508.699+/-0.044 χ^2/NDF: 44384384504.0

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

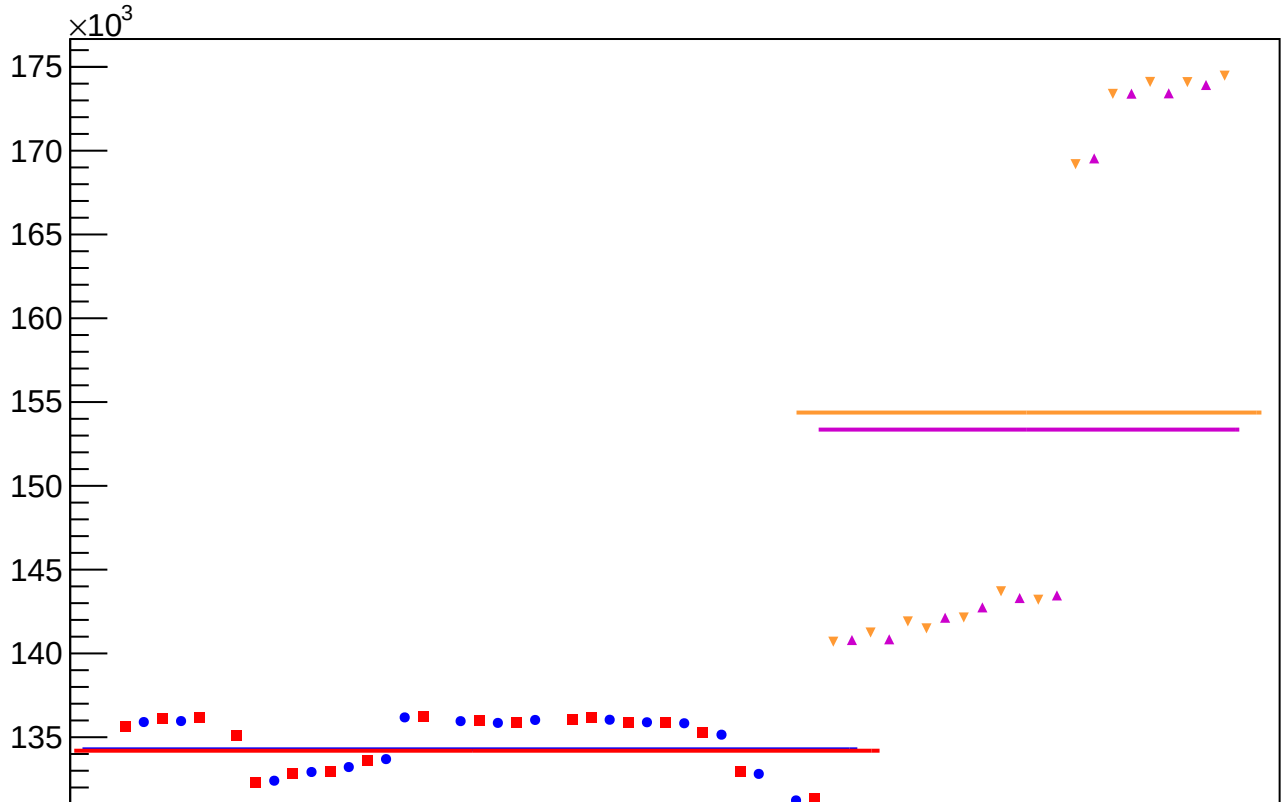
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 184.984+/-0.045 χ^2/NDF:73003.6/9

+ sign 174.086+/-0.031 χ^2/NDF: 1247043.7/27

All: 172.361+/-0.022 χ^2/NDF: 2779460.0/56

- sign 170.639+/-0.031 χ^2/NDF: 1526269.8/28



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

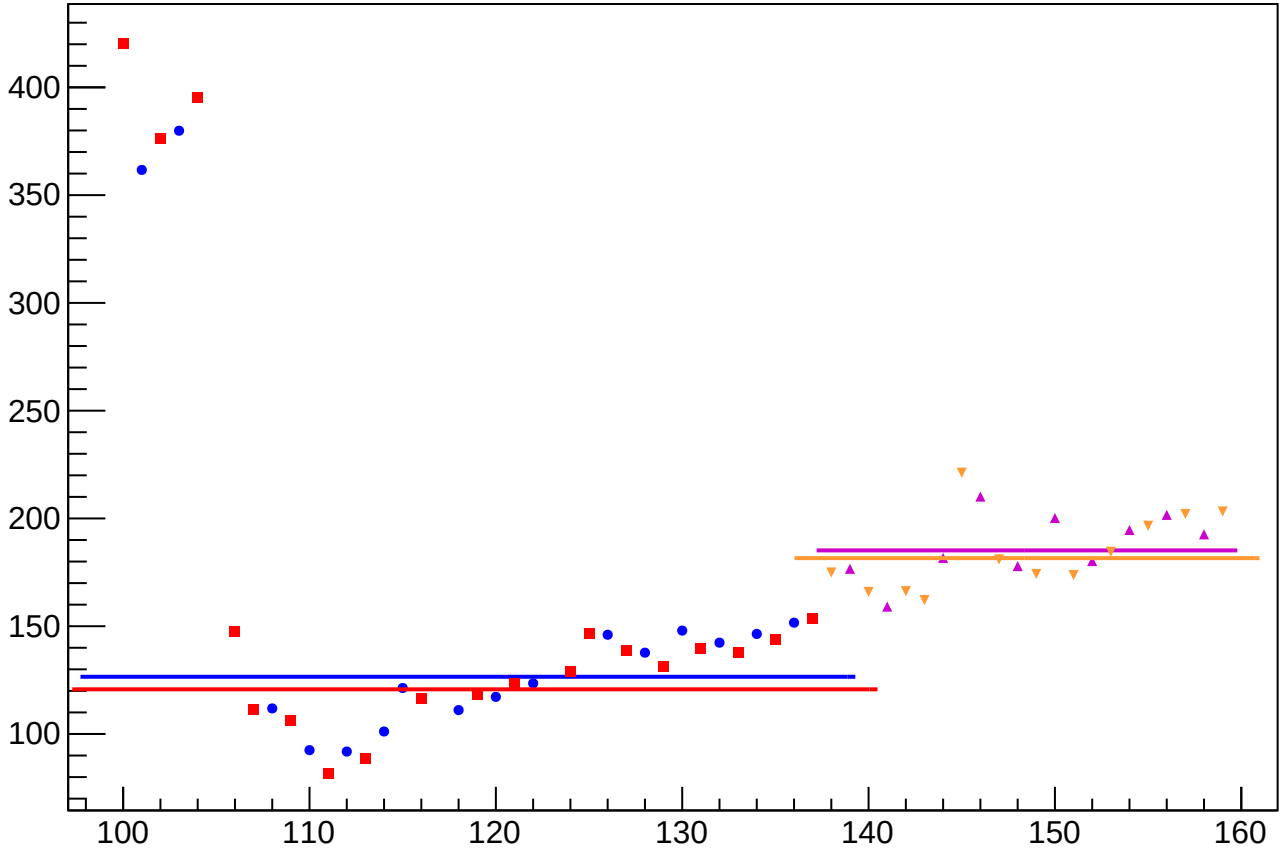
Left In: 153356.243+/-0.063 χ^2/NDF:53887301764.3/9

+ sign 142728.453+/-0.039 χ^2/NDF: 13149937817

All: 141935.226+/-0.027 χ^2/NDF: 2453978

- sign 141158.802+/-0.038 χ^2/NDF: 113066660683

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

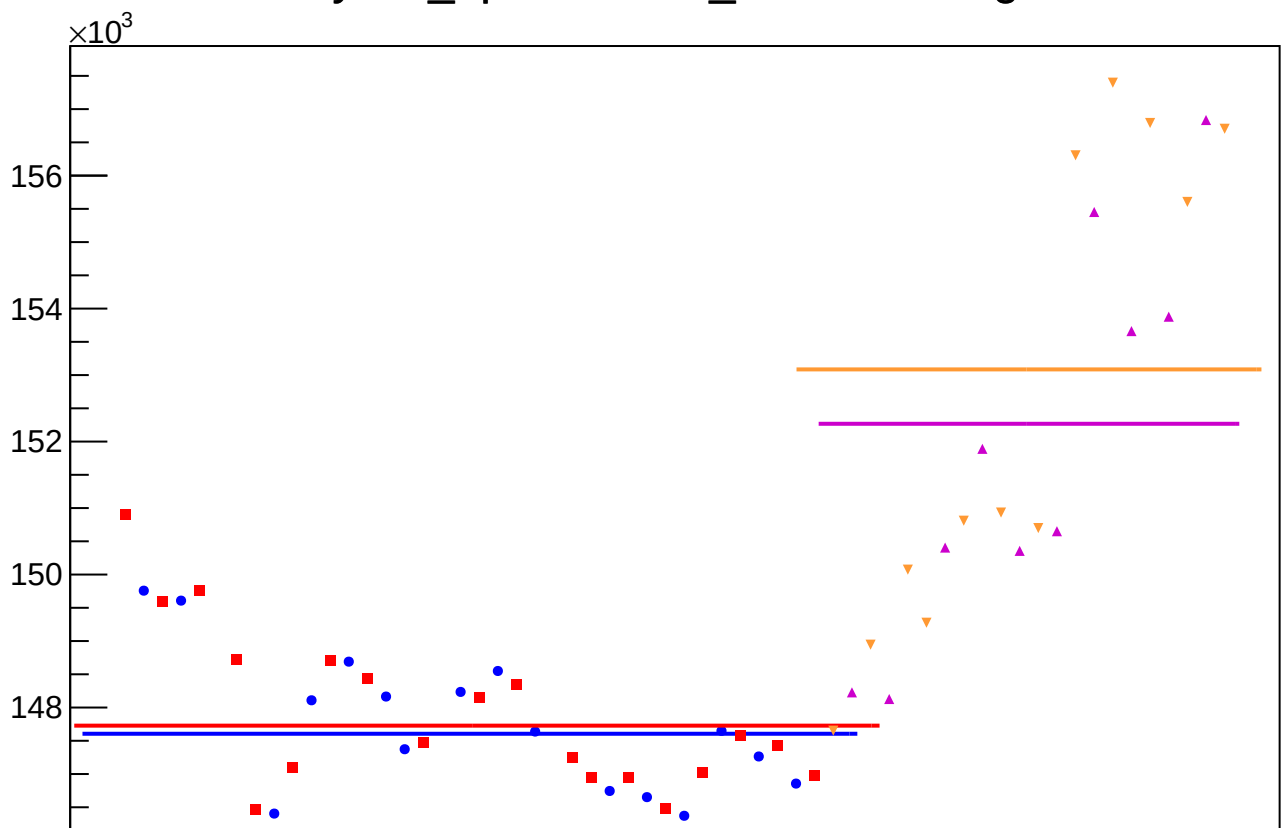
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 185.175+/-0.045 χ^2/NDF:107417.4/9

+ sign 149.700+/-0.027 χ^2/NDF: 2614454.1/27

All: 146.893+/-0.019 χ^2/NDF: 5687297.5/56

- sign 144.146+/-0.027 χ^2/NDF: 3052015.2/28



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

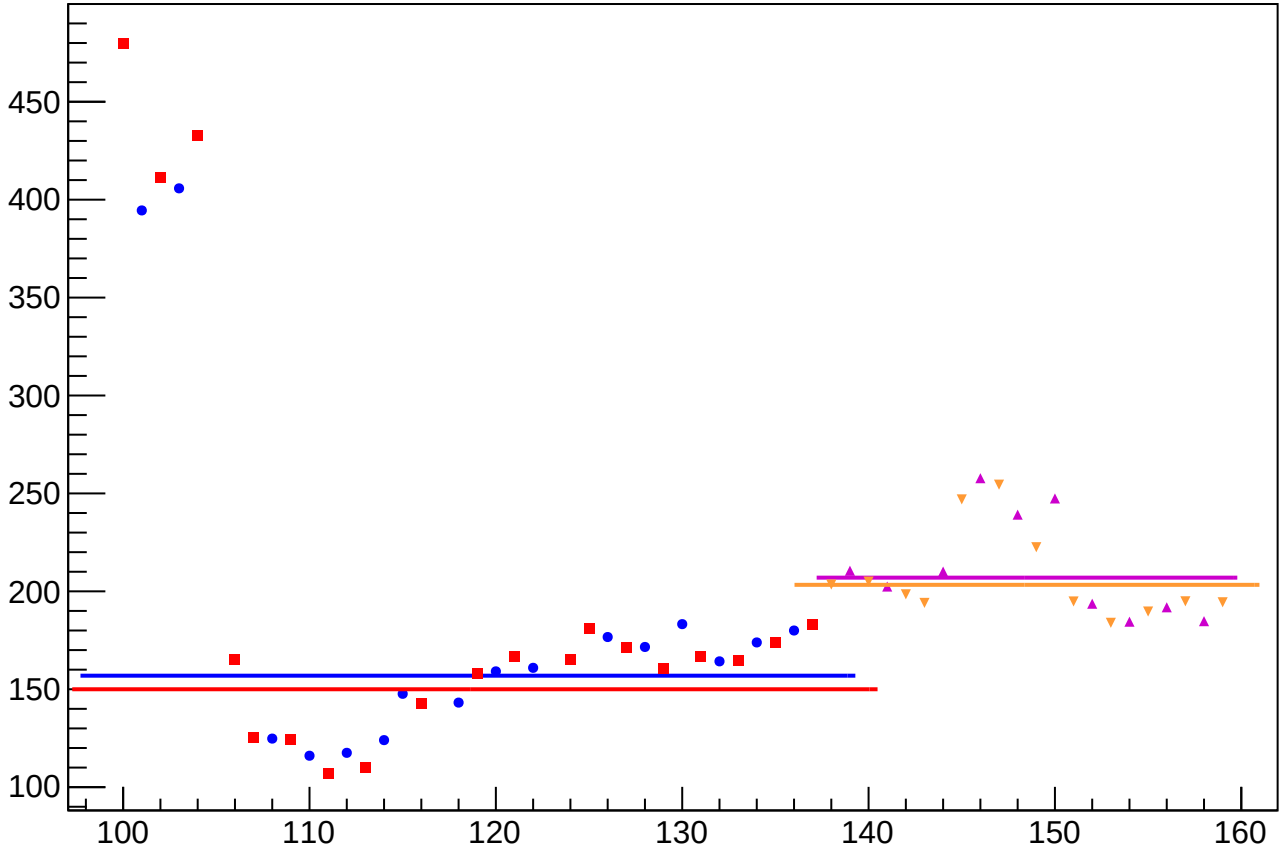
Left In: 152267.552+/-0.071 χ^2/NDF:1701545592.0/9

+ sign 150161.440+/-0.046 χ^2/NDF: 6695480397.5

All: 149866.277+/-0.032 χ^2/NDF: 11089023

- sign 149574.269+/-0.045 χ^2/NDF: 4310324689.2/

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

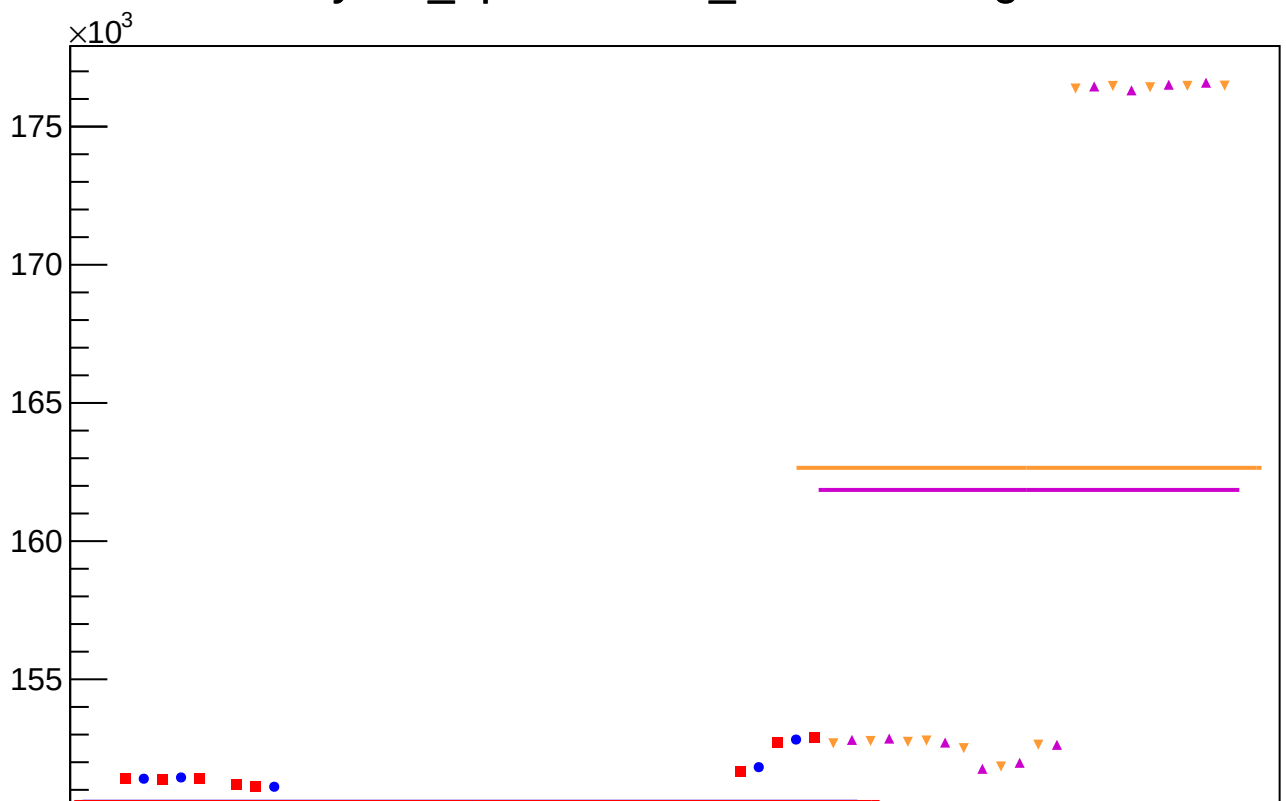
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 206.988+/-0.050 χ^2/NDF:216209.0/9

+ sign 178.565+/-0.032 χ^2/NDF: 1949213.9/27

All: 175.856+/-0.023 χ^2/NDF: 4394248.6/56

- sign 173.177+/-0.032 χ^2/NDF: 2431019.8/28



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

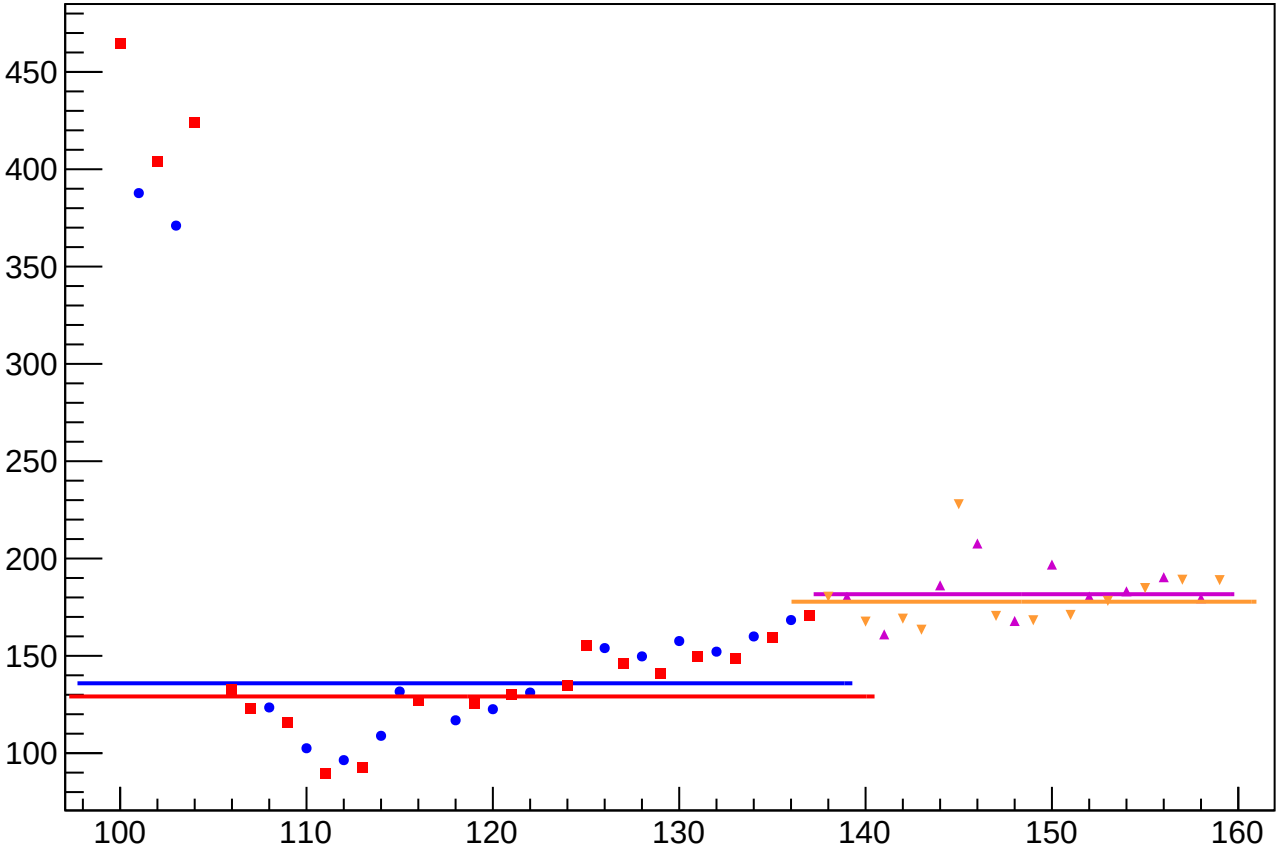
Left In: 161853.384+/-0.062 χ^2/NDF:35411715011.6/9

+ sign 156218.456+/-0.040 χ^2/NDF: 64138734795.

All: 155653.194+/-0.028 χ^2/NDF: 11986181

- sign 155099.828+/-0.039 χ^2/NDF: 55324889532.

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

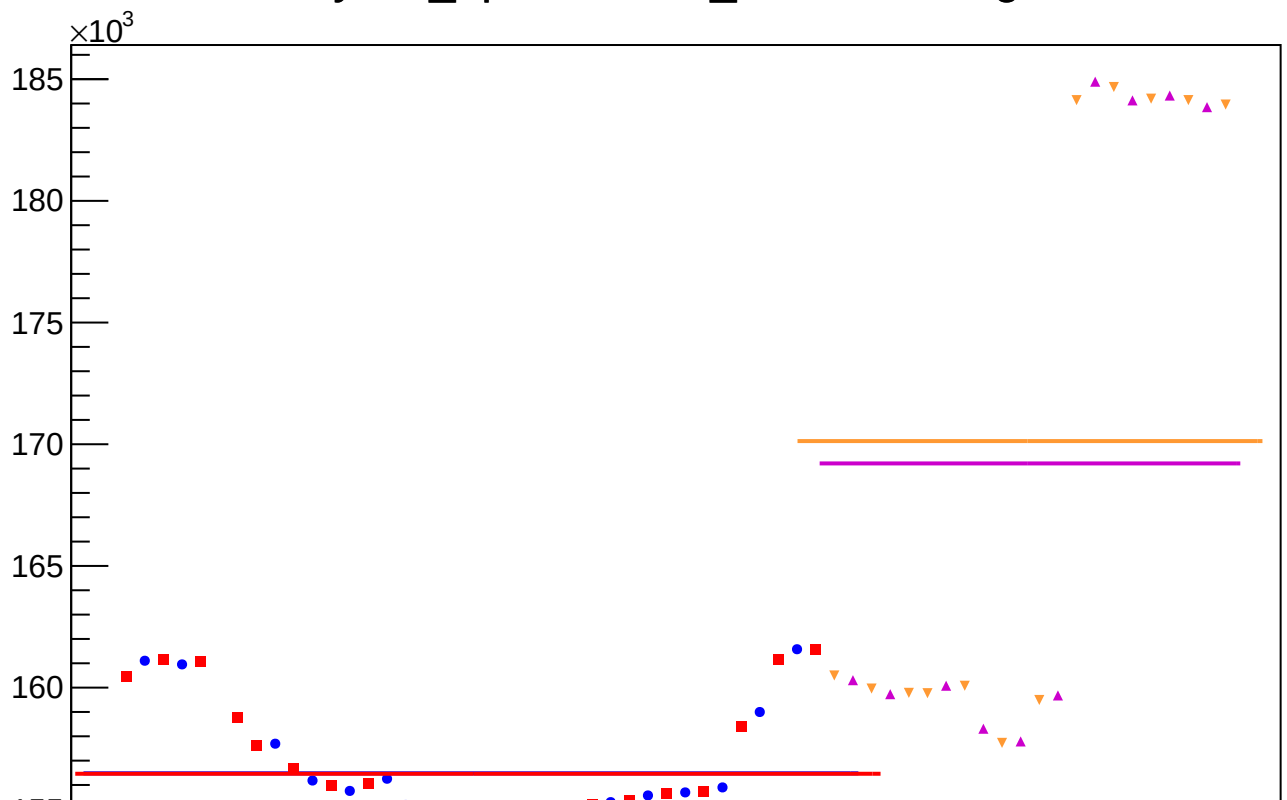
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.667+/-0.044 χ^2/NDF:82765.6/9

+ sign 155.496+/-0.028 χ^2/NDF: 2091147.3/27

All: 152.843+/-0.020 χ^2/NDF: 4659347.1/56

- sign 150.245+/-0.028 χ^2/NDF: 2550651.6/28



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 170129.906+/-0.060 χ^2/NDF:41052820531.0/11

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

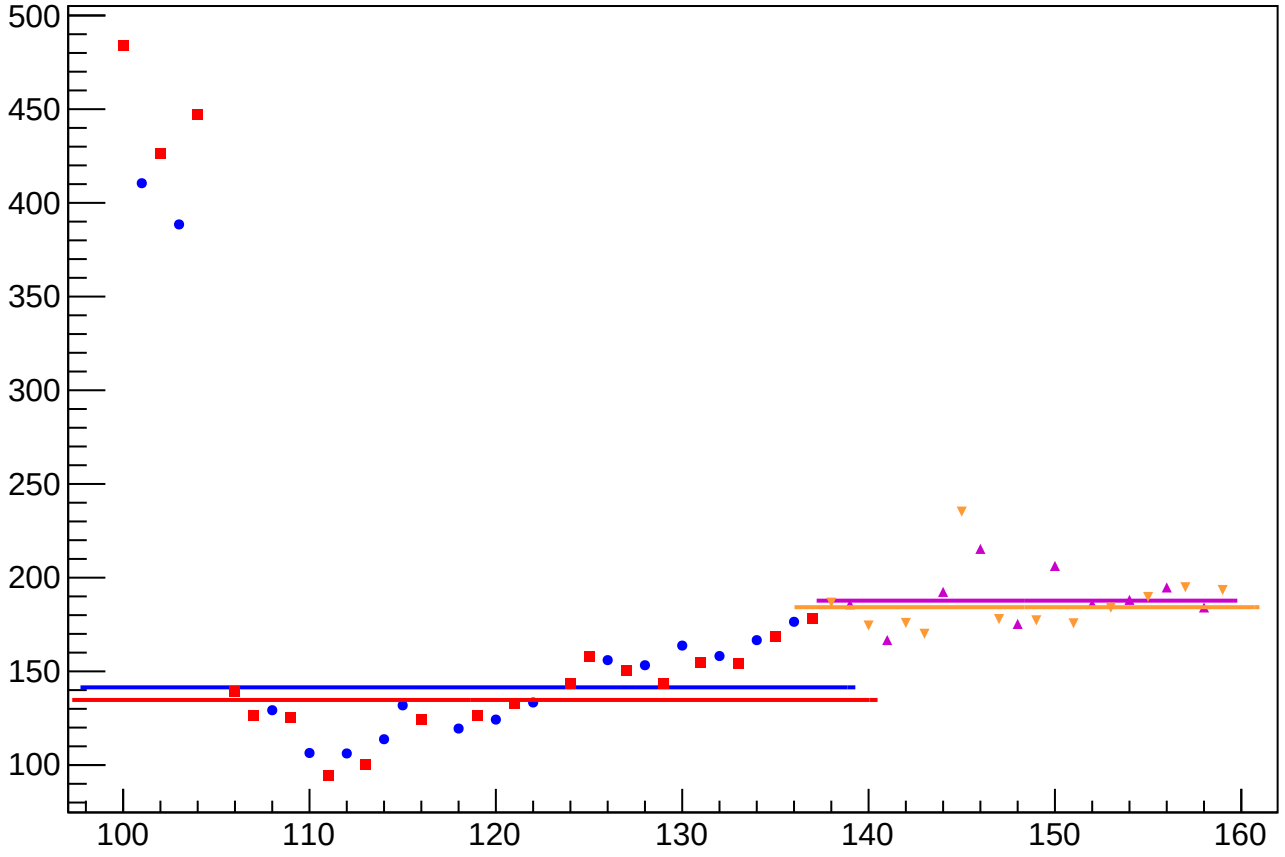
Left In: 169211.926+/-0.064 χ^2/NDF:36200453008.5/9

+ sign 162891.581+/-0.041 χ^2/NDF: 69466086913.1

All: 162257.565+/-0.029 χ^2/NDF: 13061606

- sign 161636.396+/-0.041 χ^2/NDF: 60684989863.7

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

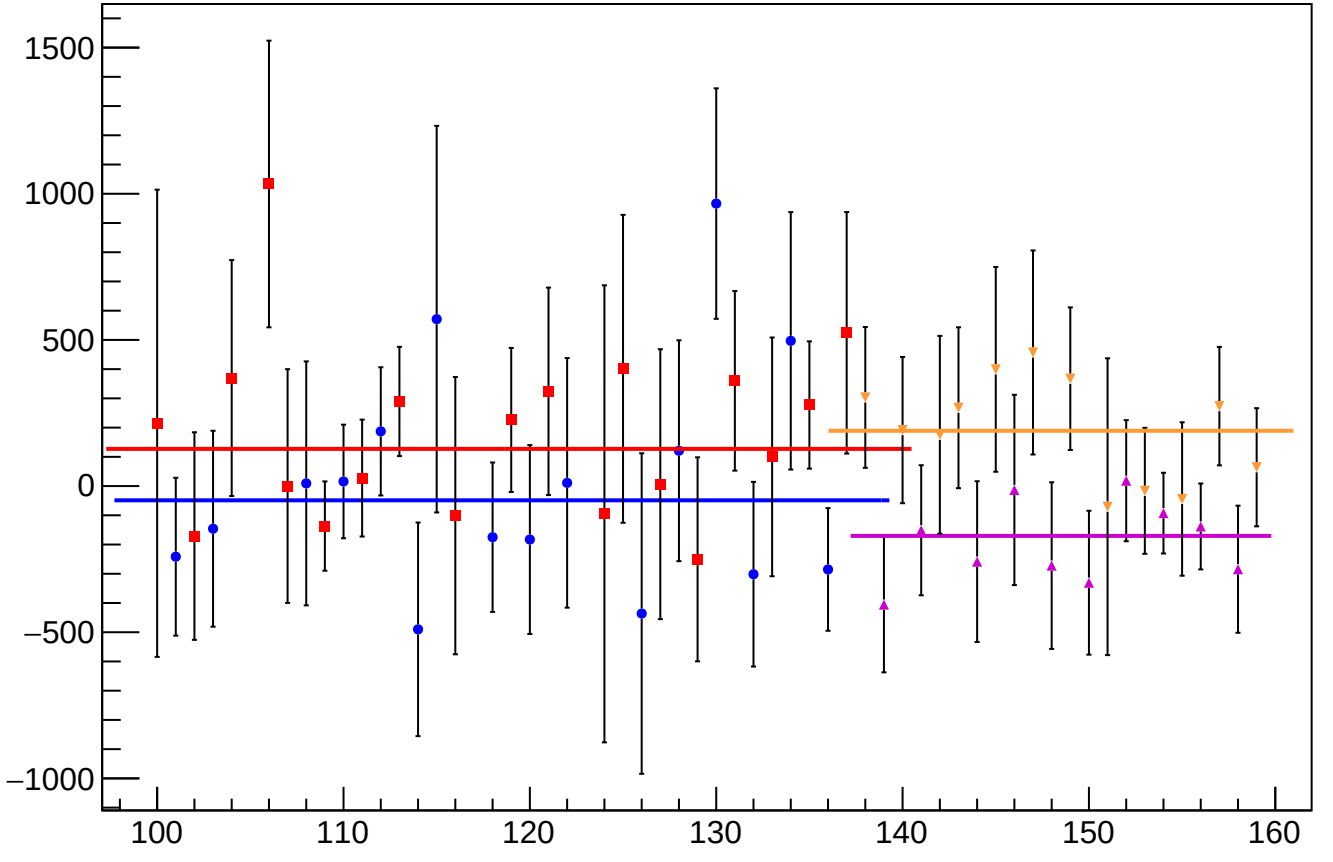
Left In: 187.736+/-0.045 χ^2/NDF:83234.9/9

+ sign 161.561+/-0.029 χ^2/NDF: 2037292.3/27

All: 158.881+/-0.021 χ^2/NDF: 4523854.9/56

- sign 156.255+/-0.029 χ^2/NDF: 2469940.6/28

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

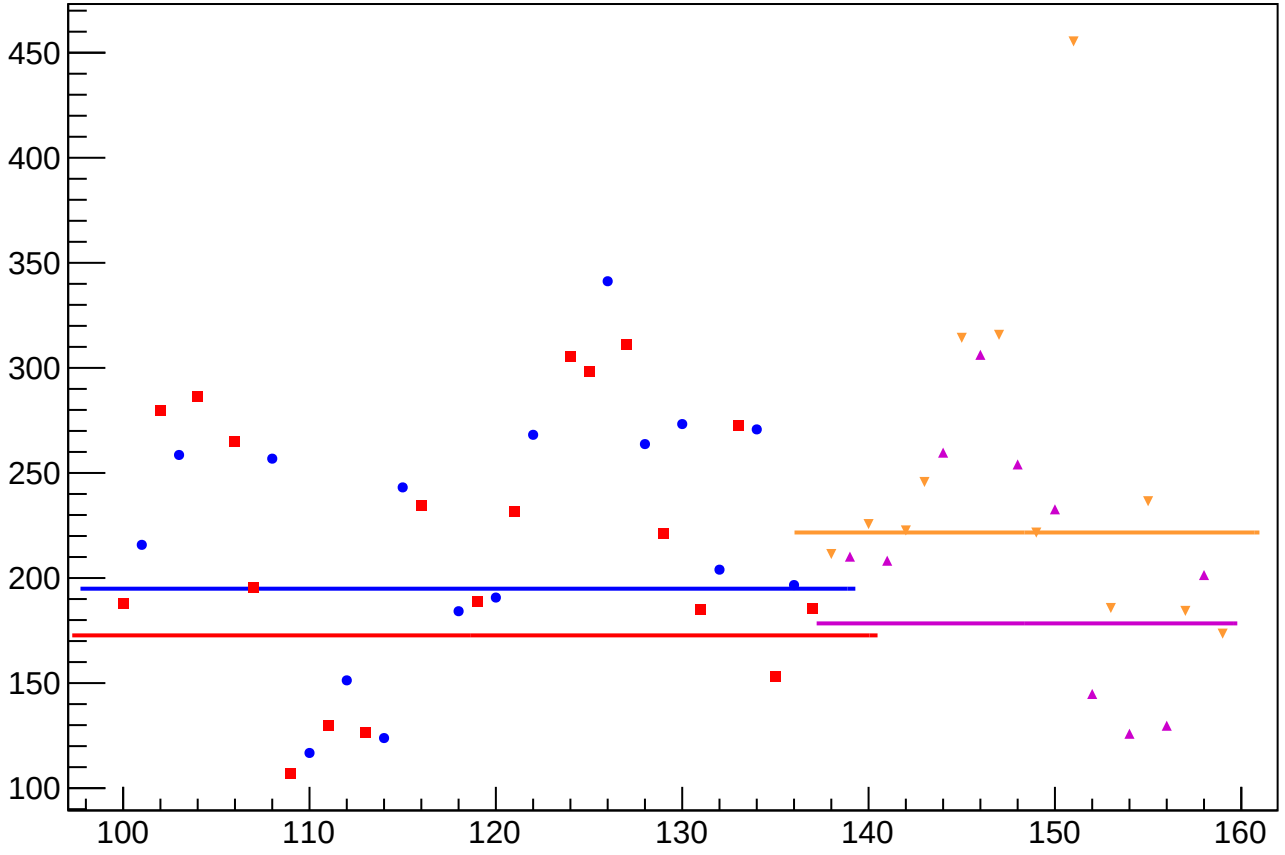
Left In: -170.438+/-65.440 χ^2/NDF:3.4/9

+ sign 72.501+/-53.638 χ^2/NDF: 24.7/27

All: 15.758+/-35.485 χ^2/NDF: 52.8/56

- sign -28.406+/-47.320 χ^2/NDF: 26.1/28

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

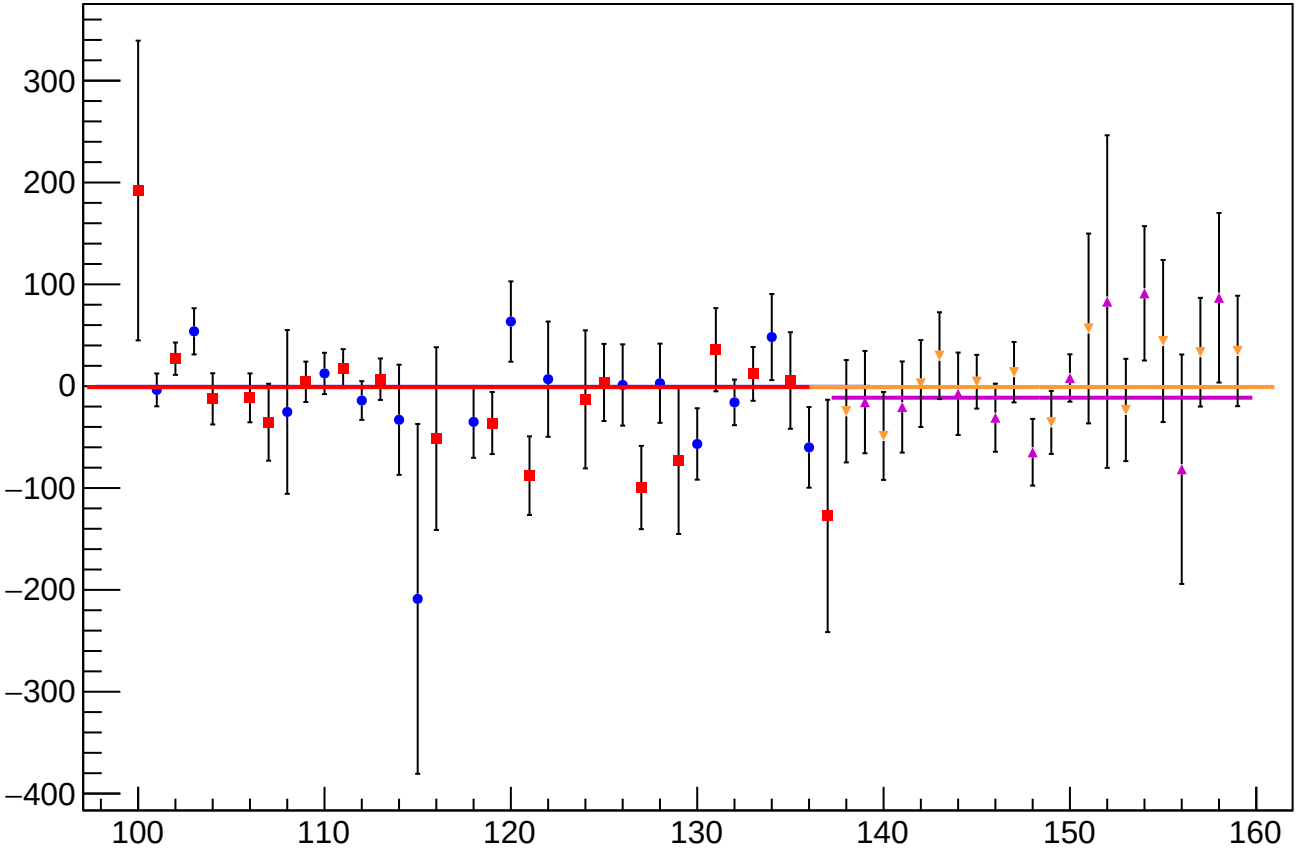
Left In: 178.408+/-0.046 χ^2/NDF:1378488.9/9

+ sign 208.554+/-0.038 χ^2/NDF: 2125029.9/27

All: 190.071+/-0.025 χ^2/NDF: 5564417.8/56

- sign 175.686+/-0.033 χ^2/NDF: 3017088.4/28

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

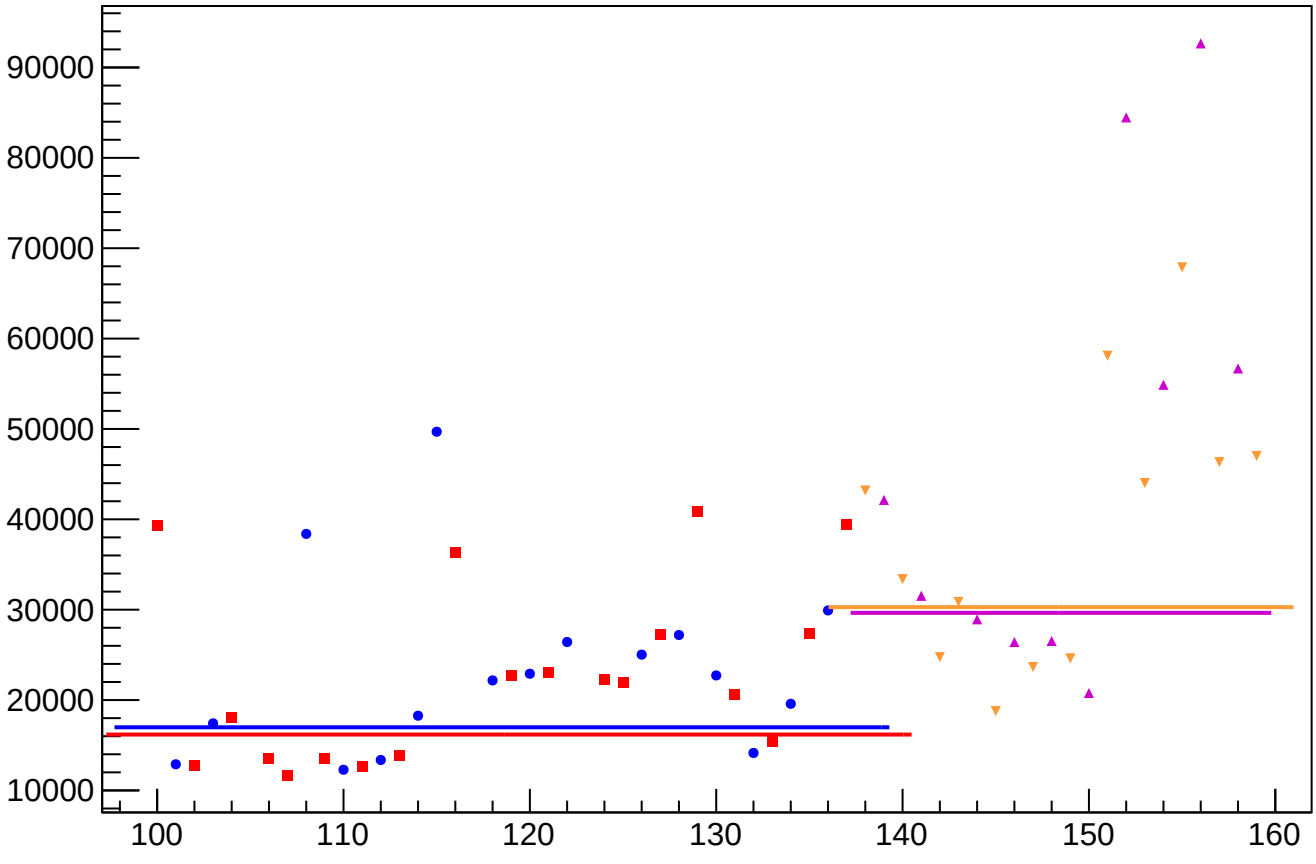
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -11.298+/-13.274 χ^2/NDF:8.3/9

+ sign -0.663+/-6.254 χ^2/NDF: 24.2/27

All: -1.913+/-4.340 χ^2/NDF: 56.1/56

- sign -3.075+/-6.029 χ^2/NDF: 31.8/28



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

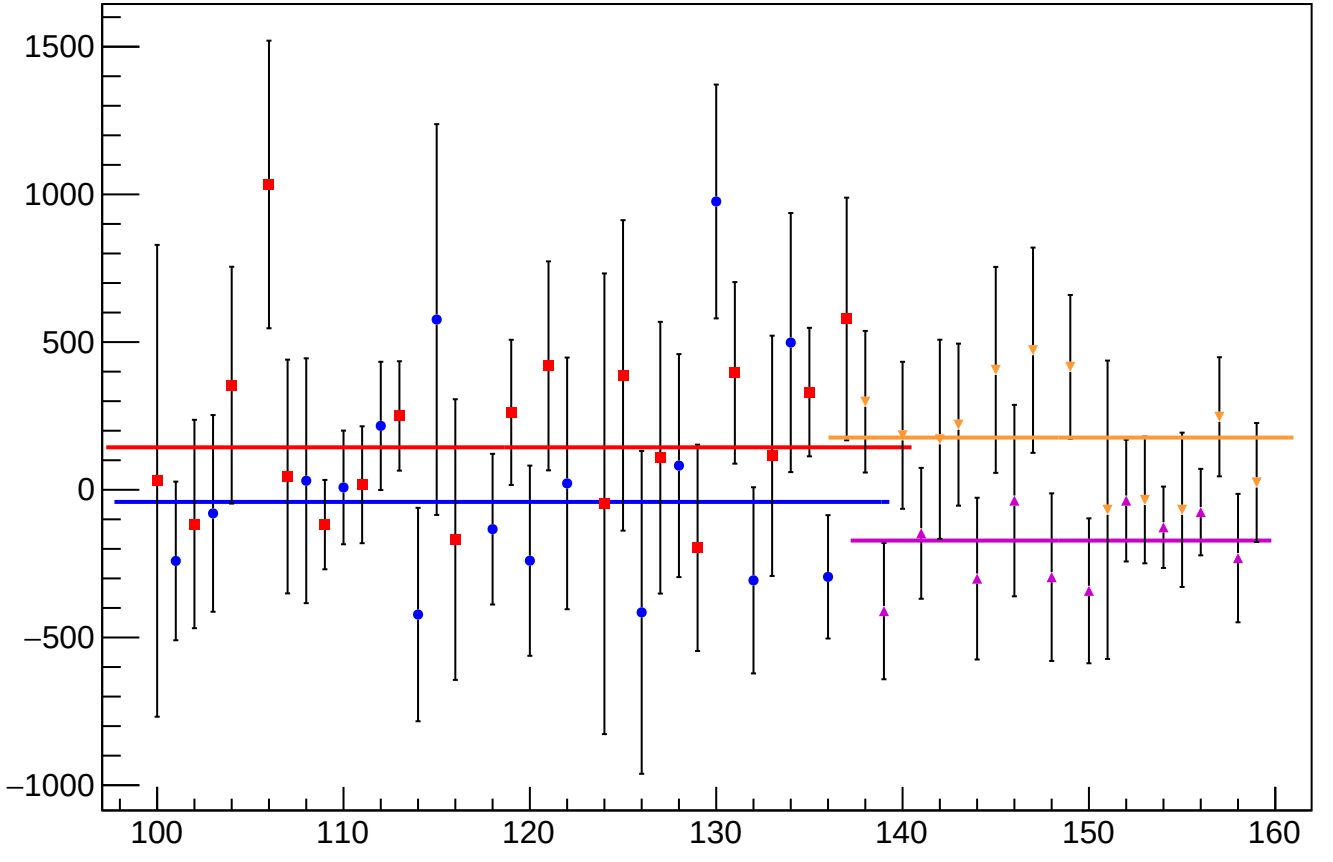
Left In: 29648.969+/-9.386 χ^2/NDF:1810649.9/9

+ sign 20631.003+/-4.422 χ^2/NDF: 4861410.7/27

All: 19764.889+/-3.069 χ^2/NDF: 9631573.9/5

- sign 18960.032+/-4.263 χ^2/NDF: 4696158.4/28

asym_bcm_an_ds_mean vs Slug



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

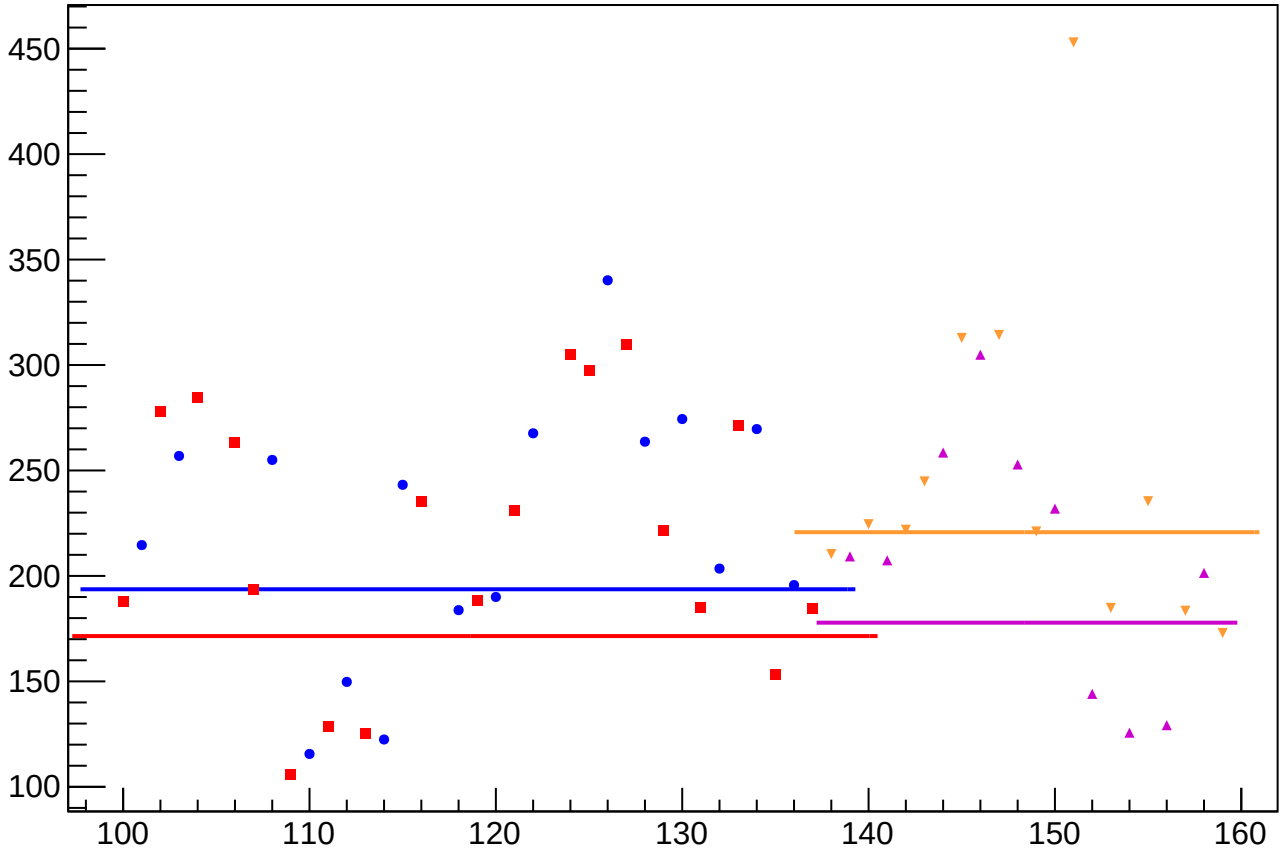
Left In: -171.829+/-65.219 χ^2/NDF:3.2/9

+ sign 69.788+/-53.371 χ^2/NDF: 24.8/27

All: 18.872+/-35.313 χ^2/NDF: 53.8/56

- sign -20.775+/-47.096 χ^2/NDF: 27.4/28

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

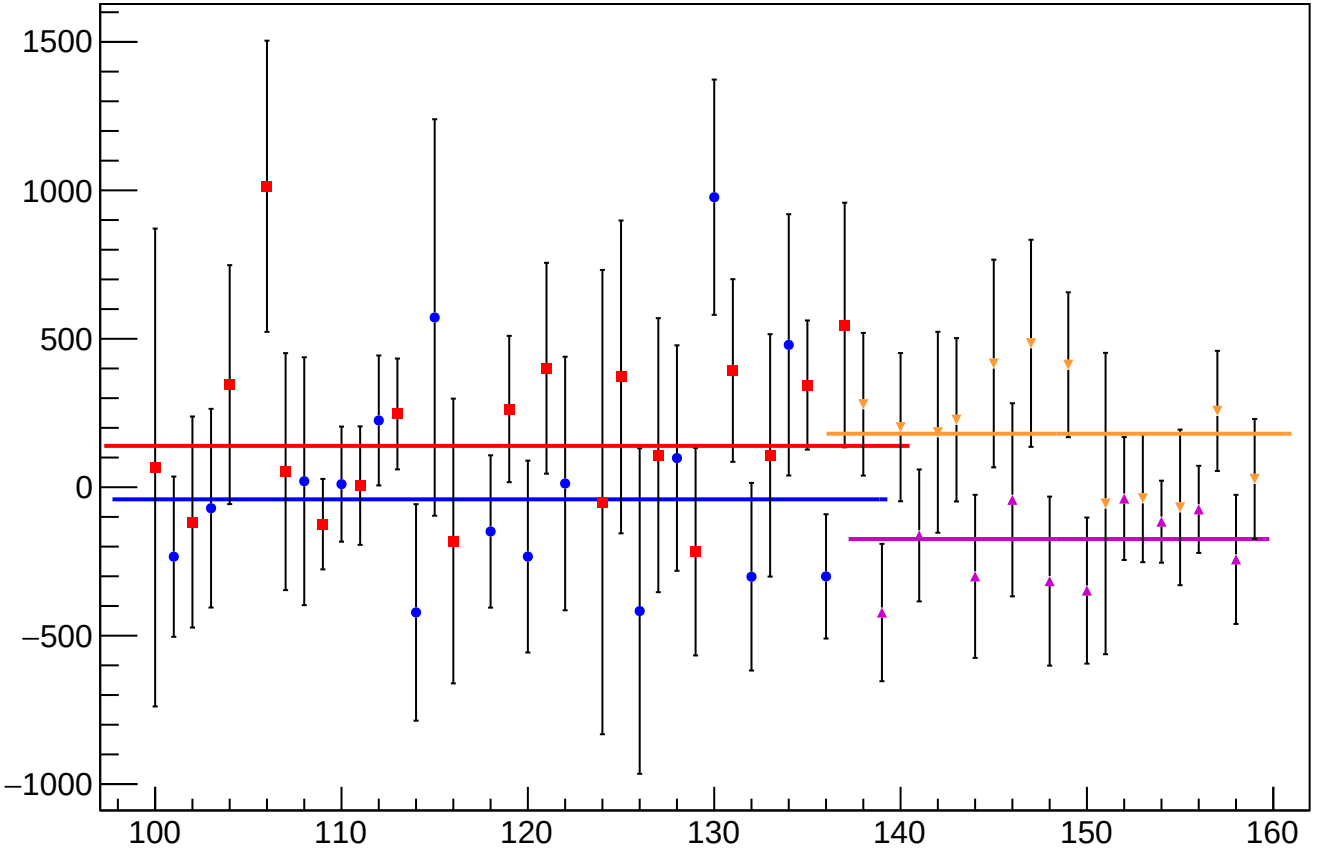
Left In: 177.838+/-0.046 χ^2/NDF:1374886.8/9

+ sign 207.443+/-0.038 χ^2/NDF: 2148715.7/27

All: 189.089+/-0.025 χ^2/NDF: 5606390.5/56

- sign 174.797+/-0.033 χ^2/NDF: 3036960.9/28

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

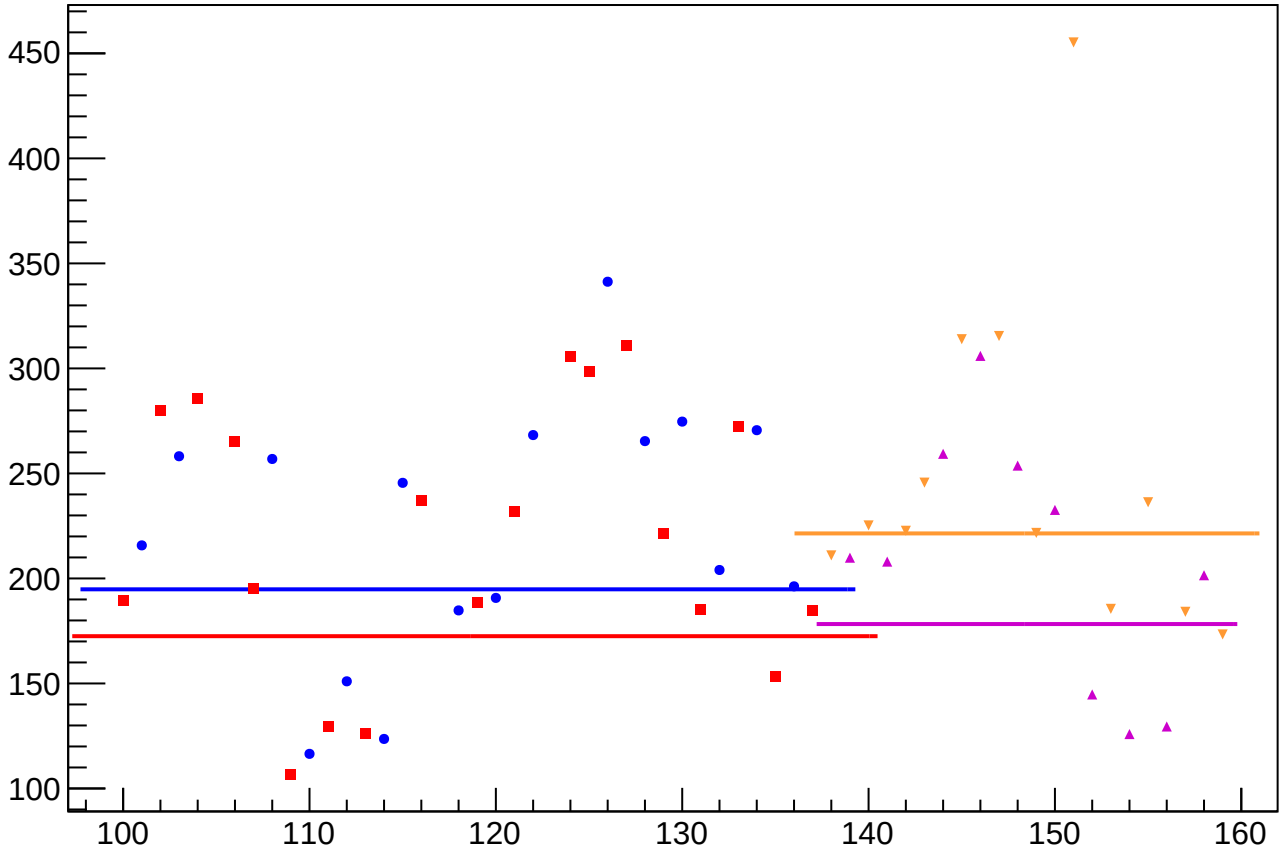
Left In: -174.401+/-65.393 χ^2/NDF:3.4/9

+ sign 71.937+/-53.605 χ^2/NDF: 24.8/27

All: 17.569+/-35.461 χ^2/NDF: 53.9/56

- sign -24.737+/-47.287 χ^2/NDF: 27.3/28

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

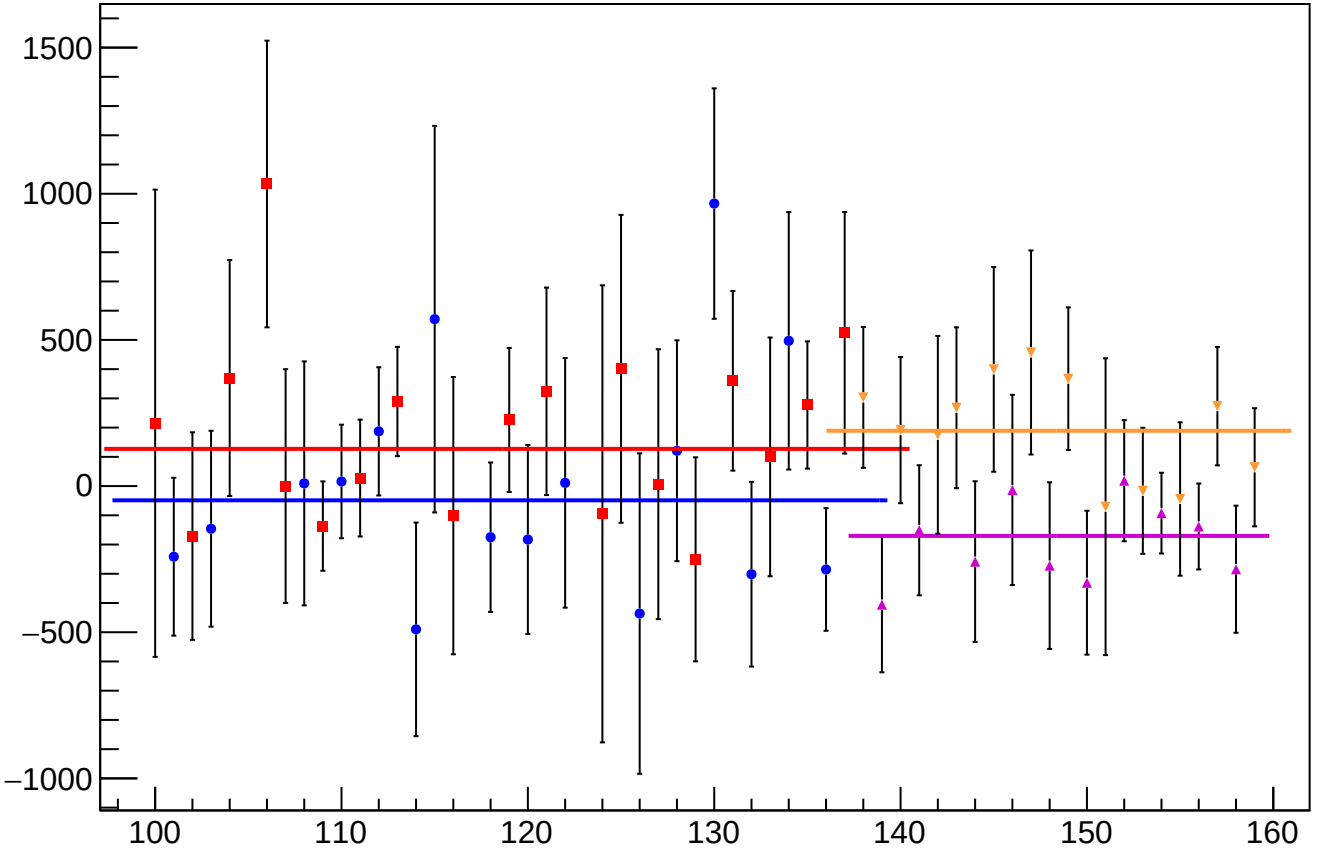
Left In: 178.286+/-0.046 χ^2/NDF:1377407.9/9

+ sign 208.394+/-0.038 χ^2/NDF: 2135116.6/27

All: 189.911+/-0.025 χ^2/NDF: 5584812.2/56

- sign 175.529+/-0.033 χ^2/NDF: 3026920.0/28

asym_bcm_an_us_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

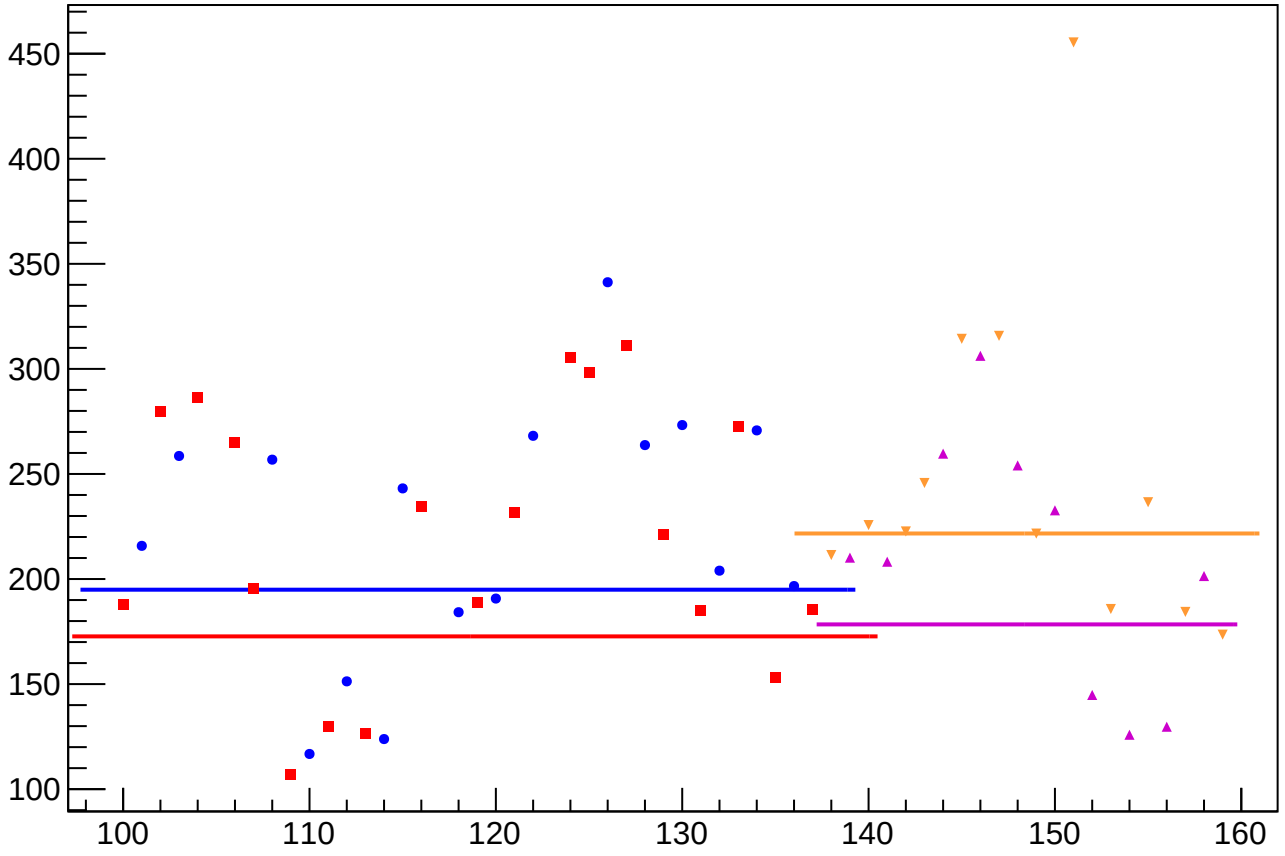
Left In: -170.438+/-65.440 χ^2/NDF:3.4/9

+ sign 72.501+/-53.638 χ^2/NDF: 24.7/27

All: 15.758+/-35.485 χ^2/NDF: 52.8/56

- sign -28.406+/-47.320 χ^2/NDF: 26.1/28

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

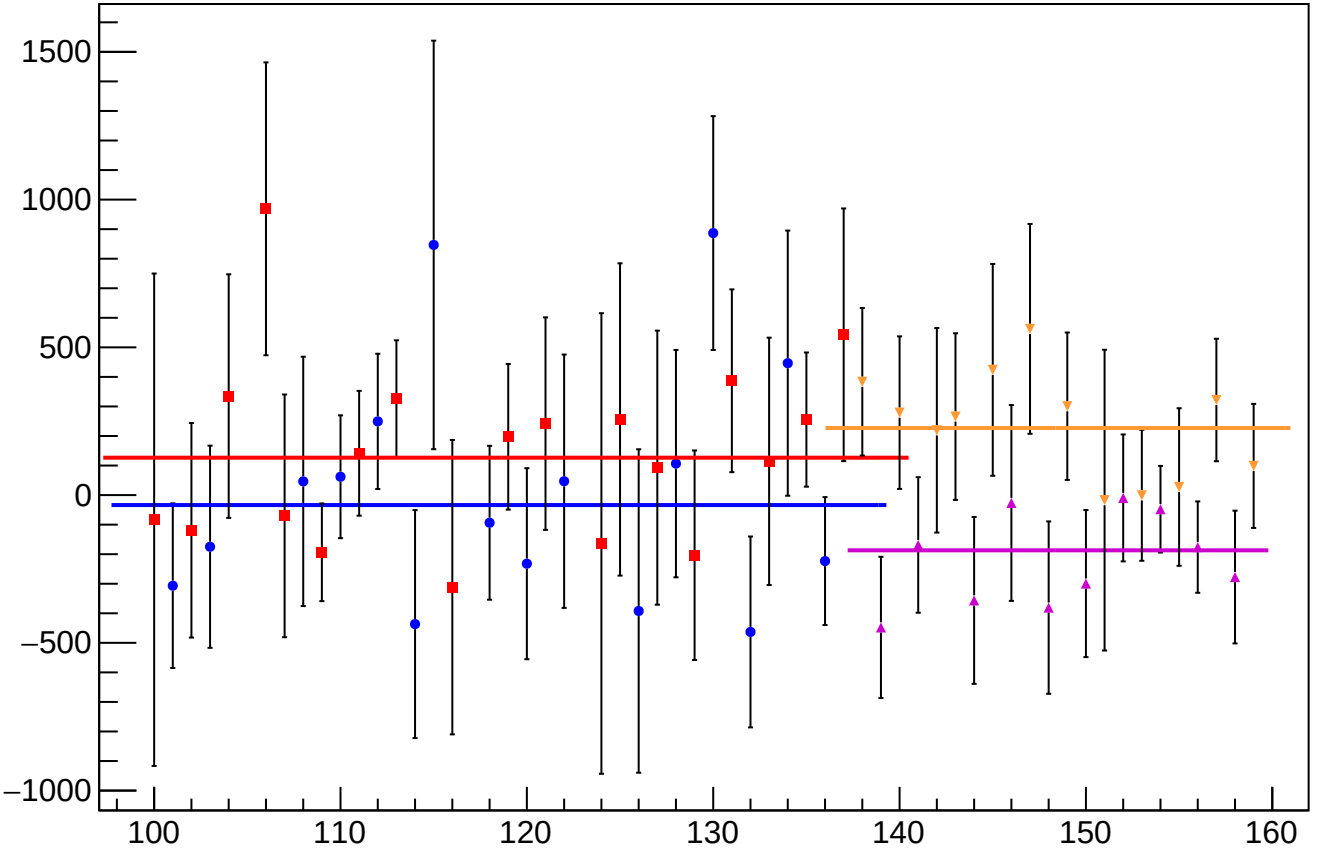
Left In: 178.408+/-0.046 χ^2/NDF:1378488.9/9

+ sign 208.554+/-0.038 χ^2/NDF: 2125029.9/27

All: 190.071+/-0.025 χ^2/NDF: 5564417.8/56

- sign 175.686+/-0.033 χ^2/NDF: 3017088.4/28

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

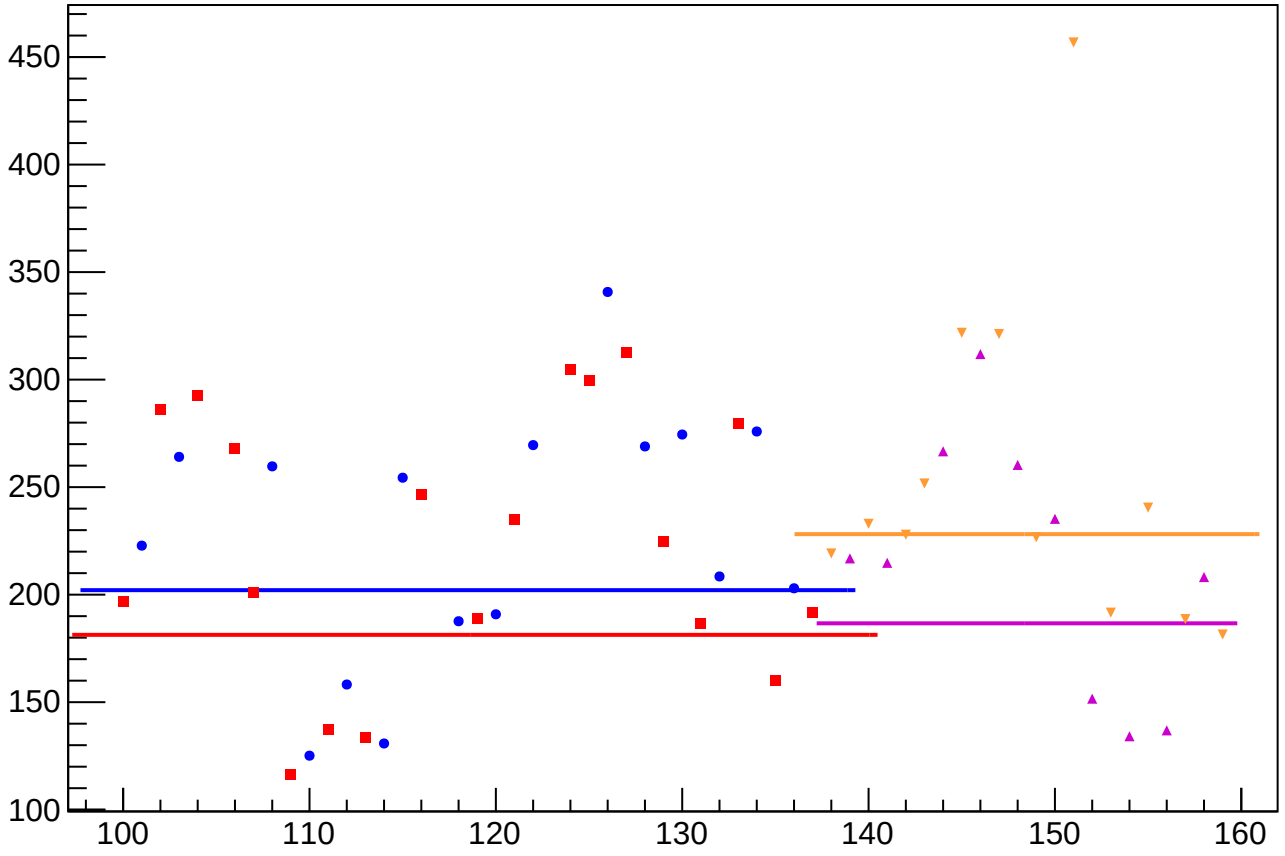
Left In: -186.902+/-68.050 χ^2/NDF:4.2/9

+ sign 99.753+/-55.189 χ^2/NDF: 25.5/27

All: 23.322+/-36.738 χ^2/NDF: 55.9/56

- sign -37.495+/-49.231 χ^2/NDF: 27.0/28

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

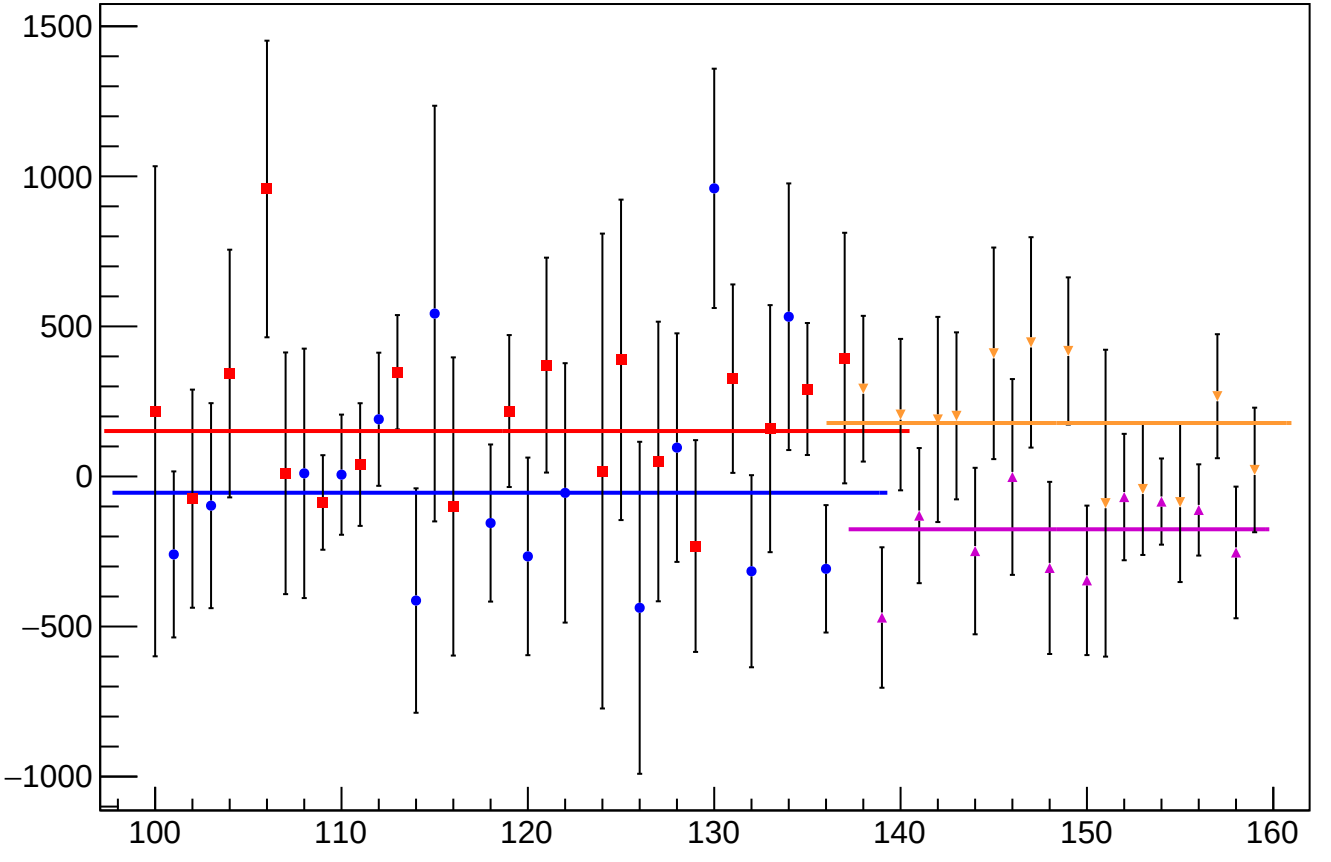
Left In: 186.668+/-0.048 χ^2/NDF:1247615.1/9

+ sign 215.424+/-0.039 χ^2/NDF: 1946664.9/27

All: 197.989+/-0.026 χ^2/NDF: 4999601.0/56

- sign 184.115+/-0.035 χ^2/NDF: 2694509.2/28

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

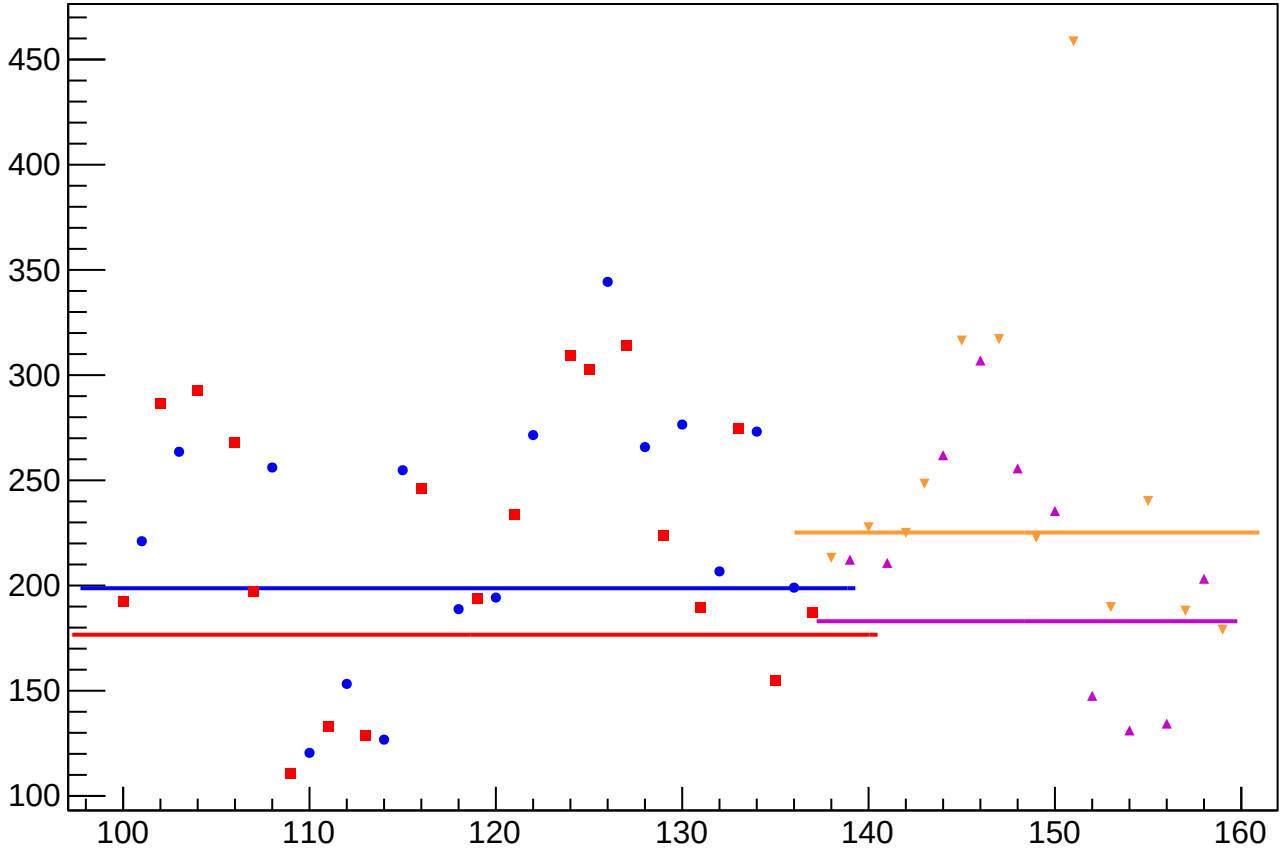
Left In: -176.002+/-66.850 χ^2/NDF:3.6/9

+ sign 64.570+/-54.486 χ^2/NDF: 24.9/27

All: 17.435+/-36.149 χ^2/NDF: 51.5/56

- sign -19.625+/-48.313 χ^2/NDF: 25.3/28

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

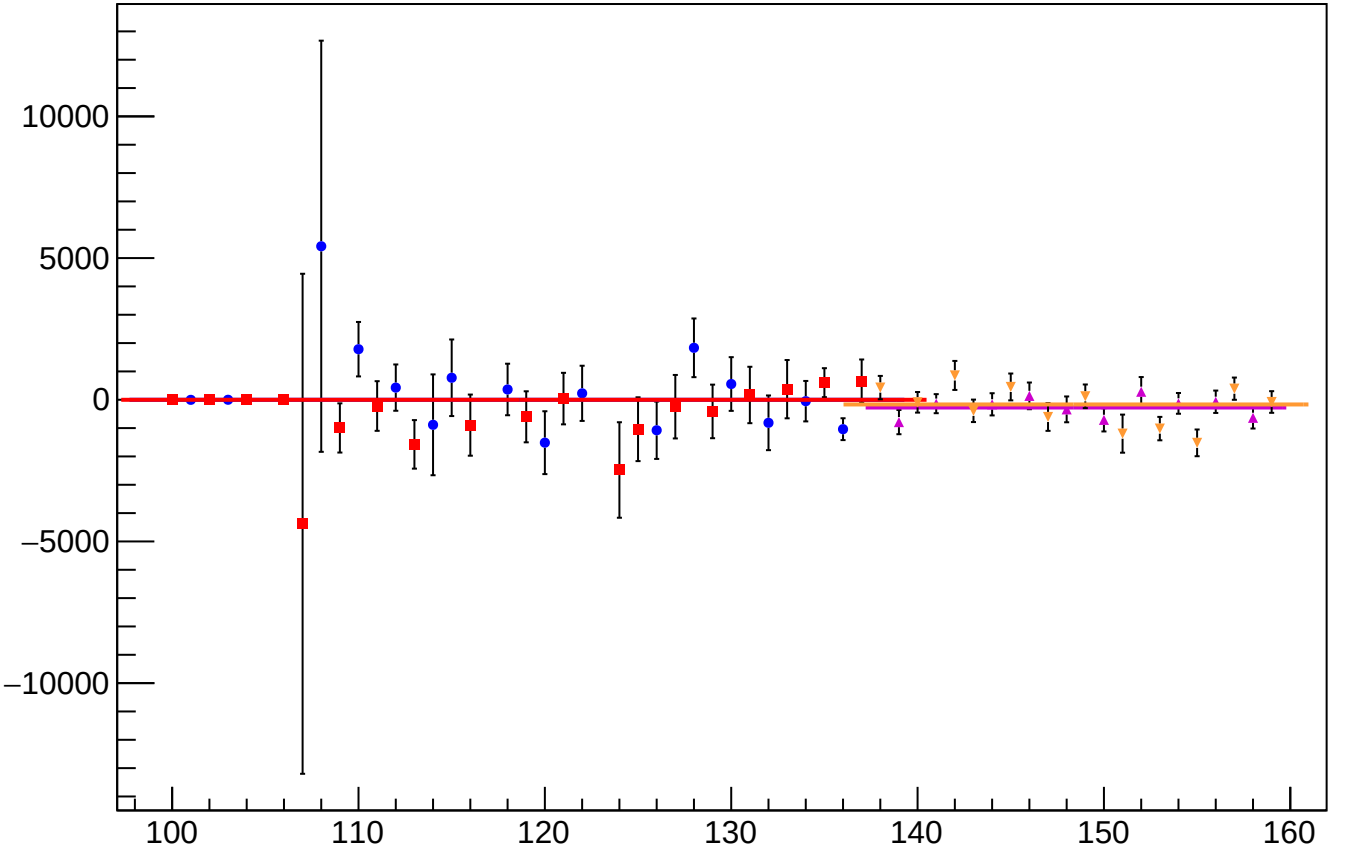
Left In: 183.036+/-0.047 χ^2/NDF:1268418.9/9

+ sign 212.256+/-0.039 χ^2/NDF: 2041672.7/27

All: 194.182+/-0.026 χ^2/NDF: 5307685.9/56

- sign 179.972+/-0.034 χ^2/NDF: 2872925.7/28

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

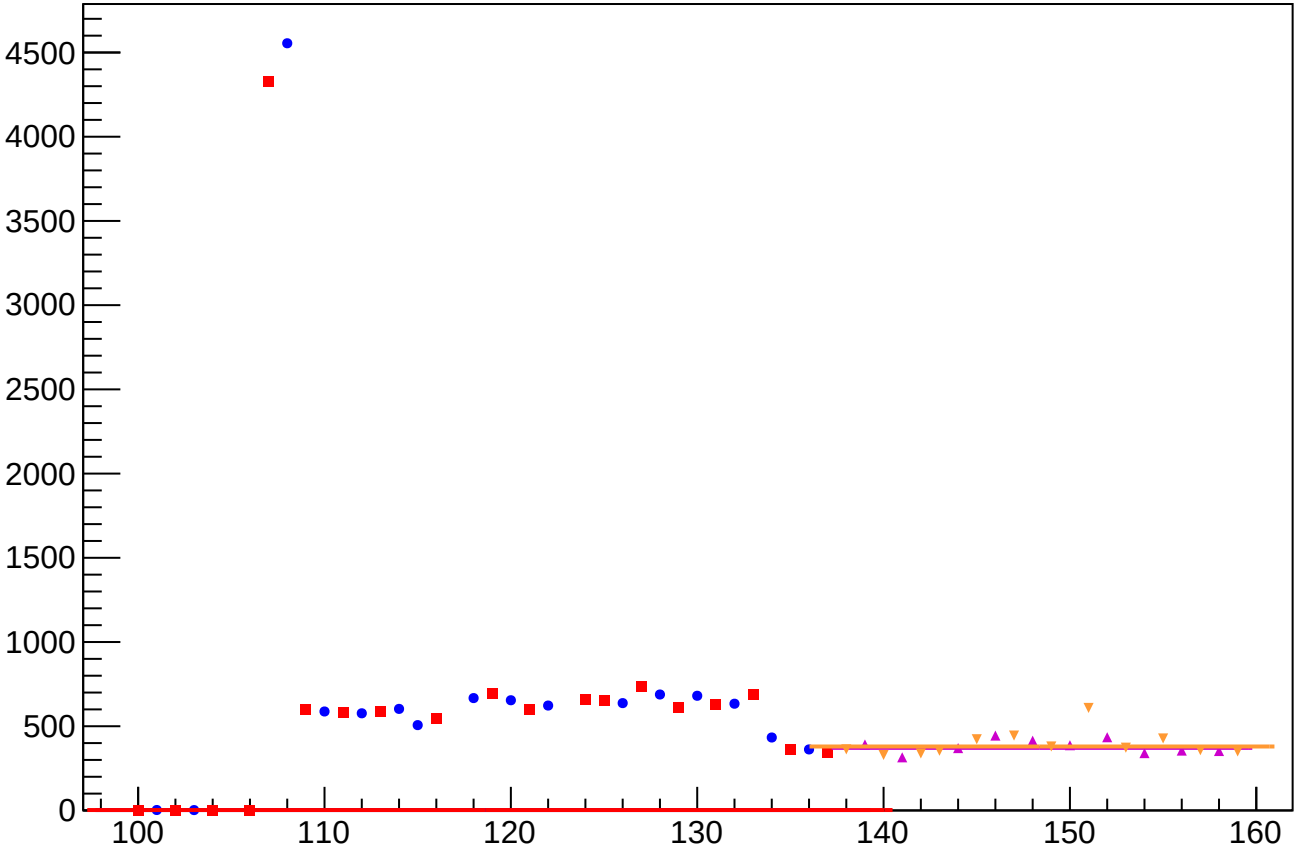
Left In: -273.575+/-128.365 χ^2/NDF:6.1/9

+ sign -1.288+/-2.170 χ^2/NDF: 48.0/27

All: -1.372+/-1.480 χ^2/NDF: 75.5/56

- sign -1.445+/-2.022 χ^2/NDF: 27.4/28

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

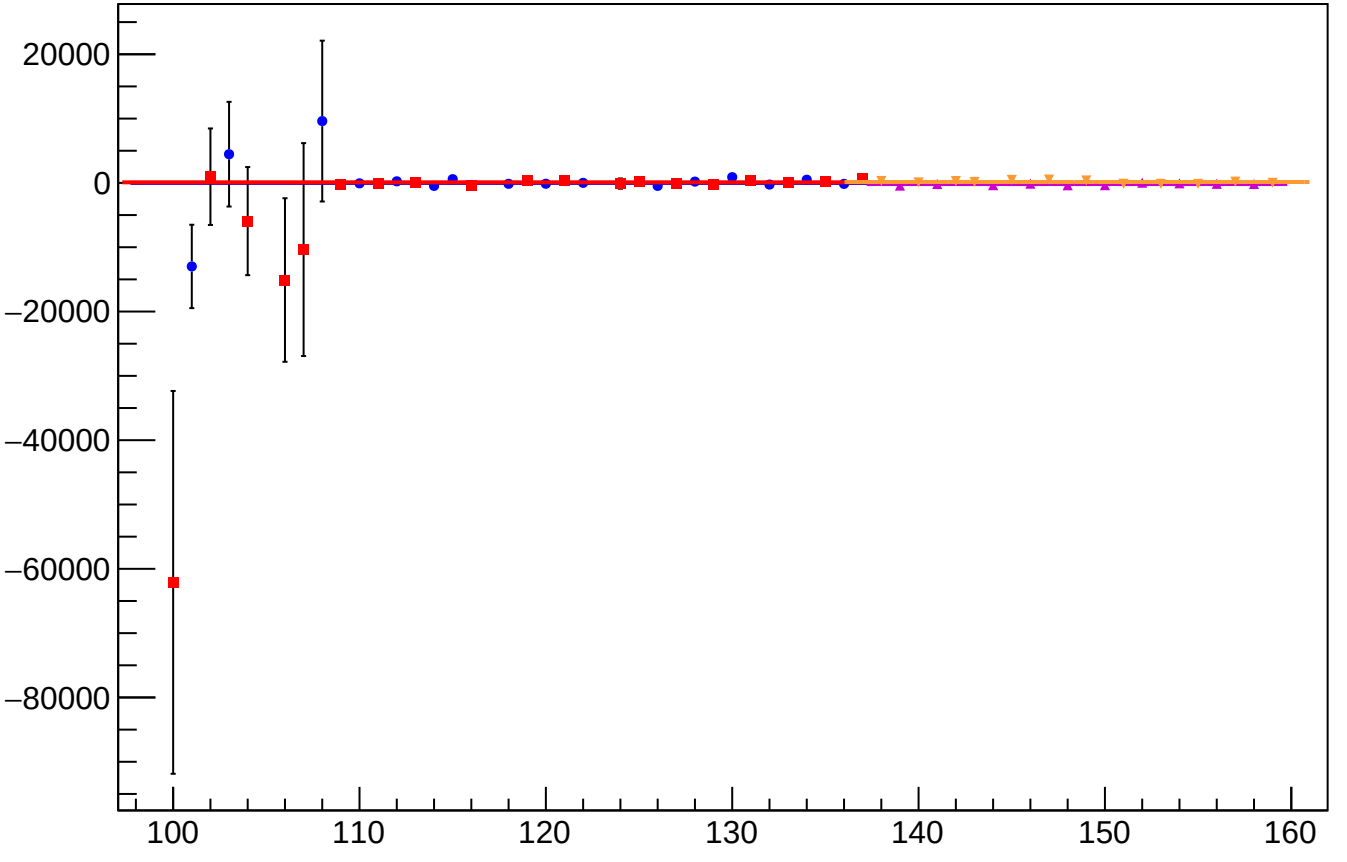
Left In: 371.671+/-0.091 χ^2/NDF:180818.9/9

+ sign 2.590+/-0.002 χ^2/NDF: 30201101.8/27

All: 2.571+/-0.001 χ^2/NDF: 58469103.7/56

- sign 2.554+/-0.001 χ^2/NDF: 28267698.7/28

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

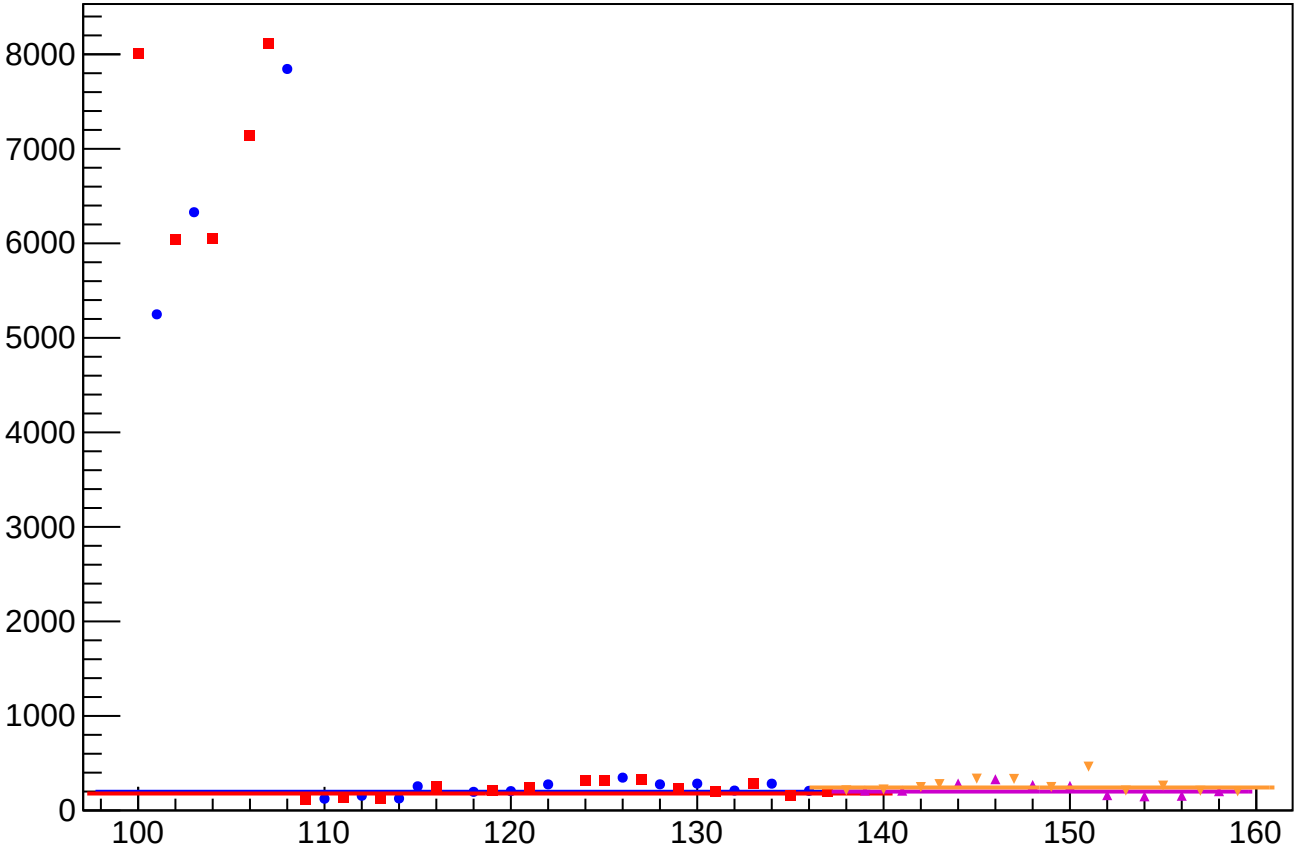
Left In: -176.858+/-72.254 χ^2/NDF:3.7/9

+ sign 75.676+/-59.855 χ^2/NDF: 24.5/27

All: 0.764+/-40.134 χ^2/NDF: 51.8/56

- sign -60.428+/-54.097 χ^2/NDF: 24.4/28

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

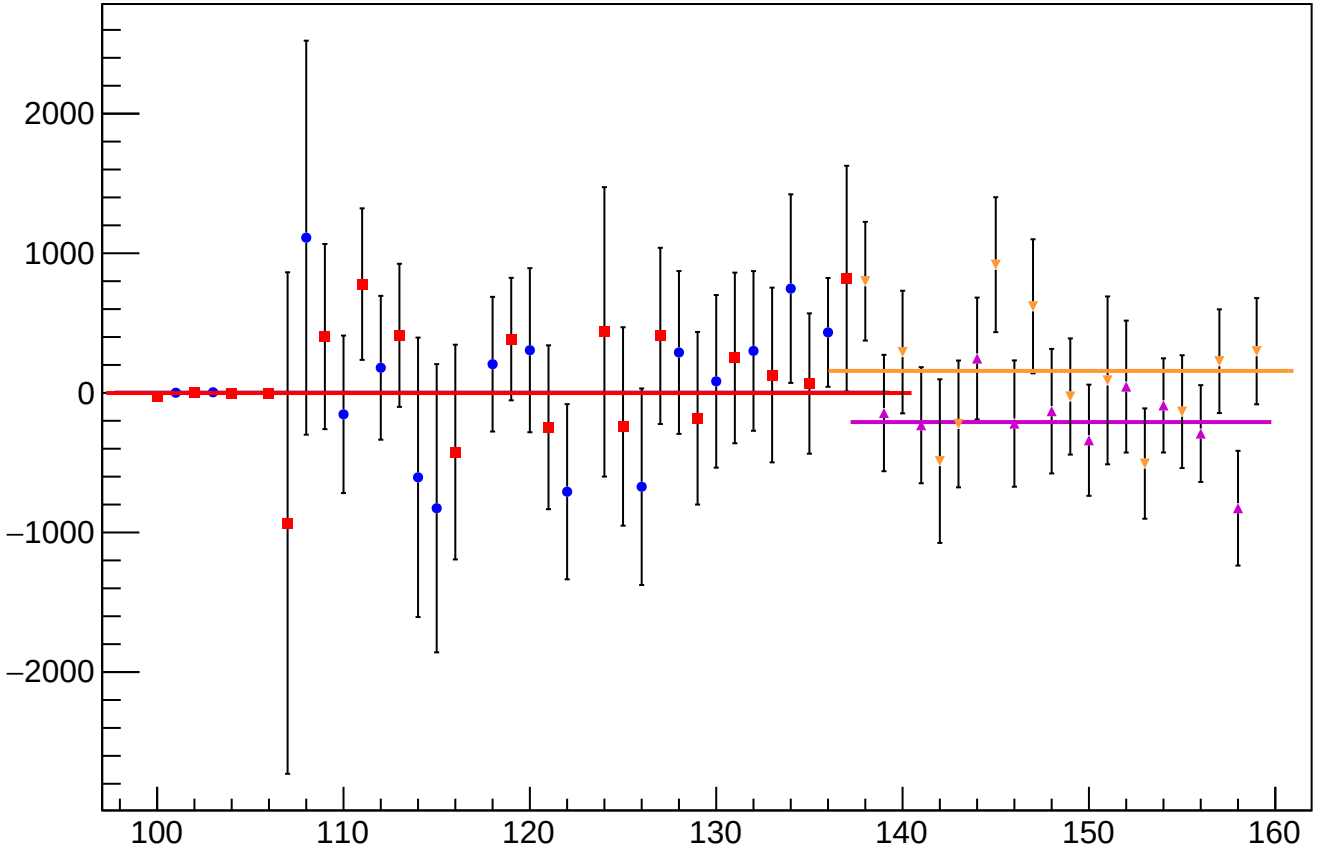
Left In: 199.911+/-0.051 χ^2/NDF:1019035.2/9

+ sign 221.906+/-0.042 χ^2/NDF: 5085604.2/27

All: 204.802+/-0.028 χ^2/NDF: 10891634.2/56

- sign 190.831+/-0.038 χ^2/NDF: 5509324.4/28

asym_cav4dQ_mean vs Slug



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

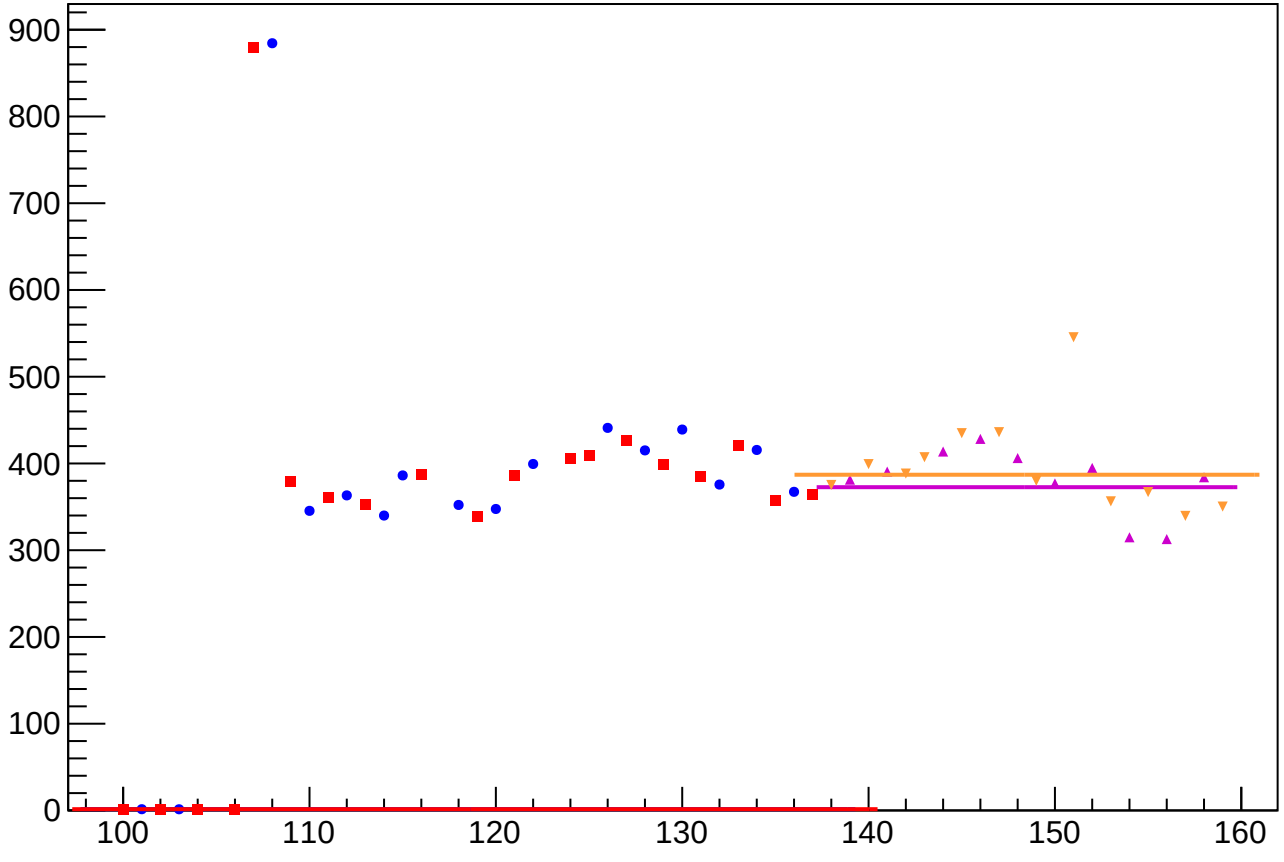
Left In: -209.082+/-128.535 χ^2/NDF:4.0/9

+ sign 1.482+/-1.660 χ^2/NDF: 20.8/27

All: 0.072+/-1.124 χ^2/NDF: 37.9/56

- sign -1.123+/-1.528 χ^2/NDF: 15.8/28

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

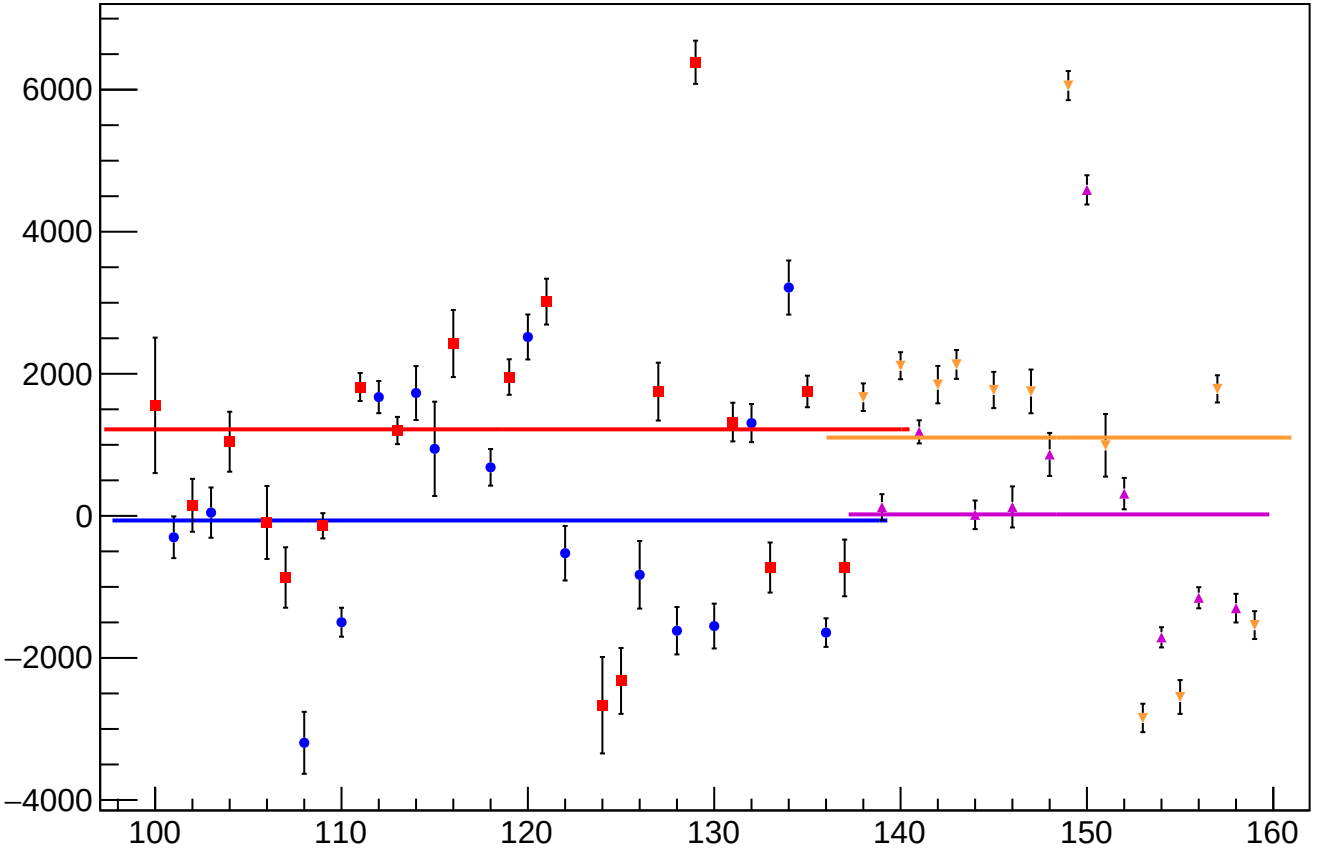
Left In: 372.663+/-0.091 χ^2/NDF:188412.1/9

\+ sign 1.536+/-0.001 χ^2/NDF: 30515027.7/27

All: 1.527+/-0.001 χ^2/NDF: 58651381.7/56

\- sign 1.520+/-0.001 χ^2/NDF: 28136242.9/28

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

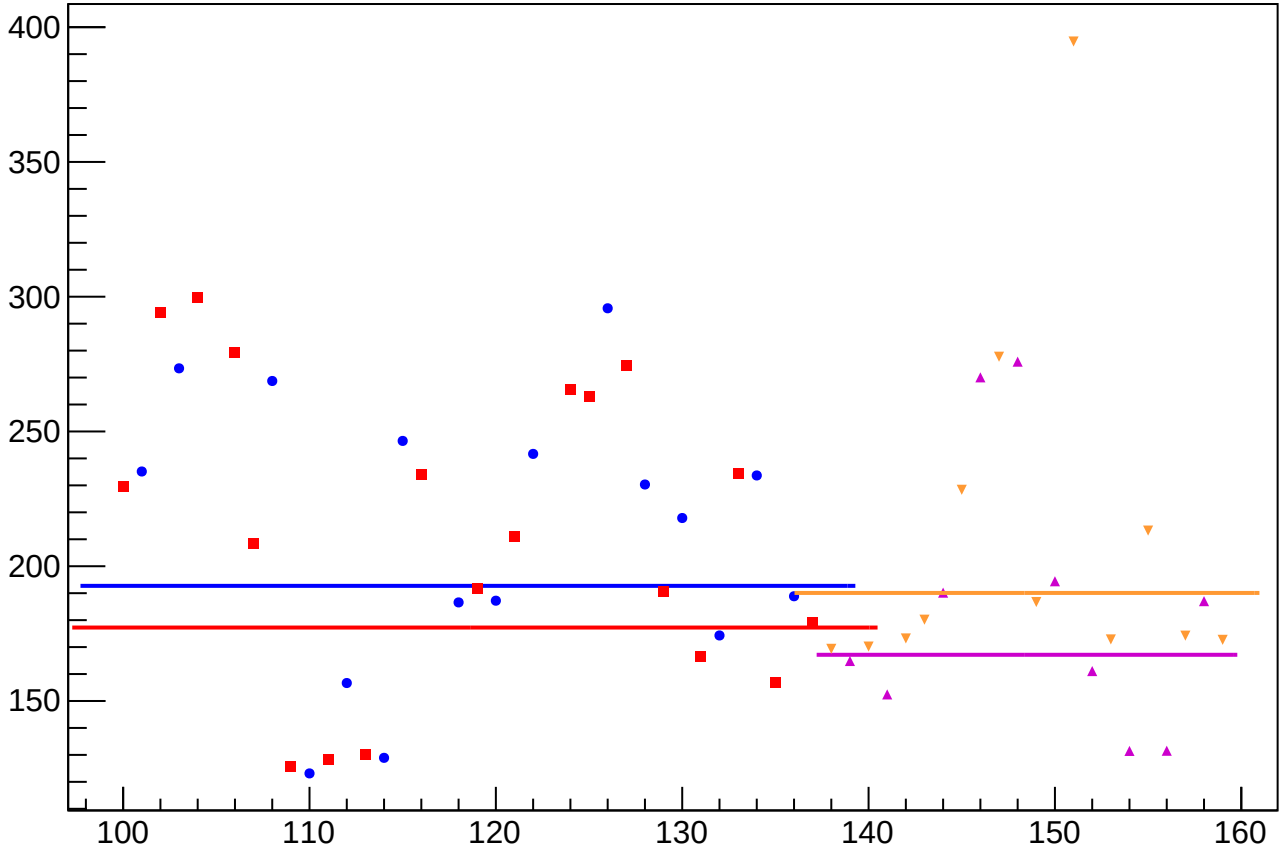
Left In: 20.618+/-59.912 χ^2/NDF:805.6/9

+ sign 608.570+/-48.703 χ^2/NDF: 2093.0/27

All: 569.110+/-33.148 χ^2/NDF: 3666.0/56

- sign 535.054+/-45.245 χ^2/NDF: 1571.8/28

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

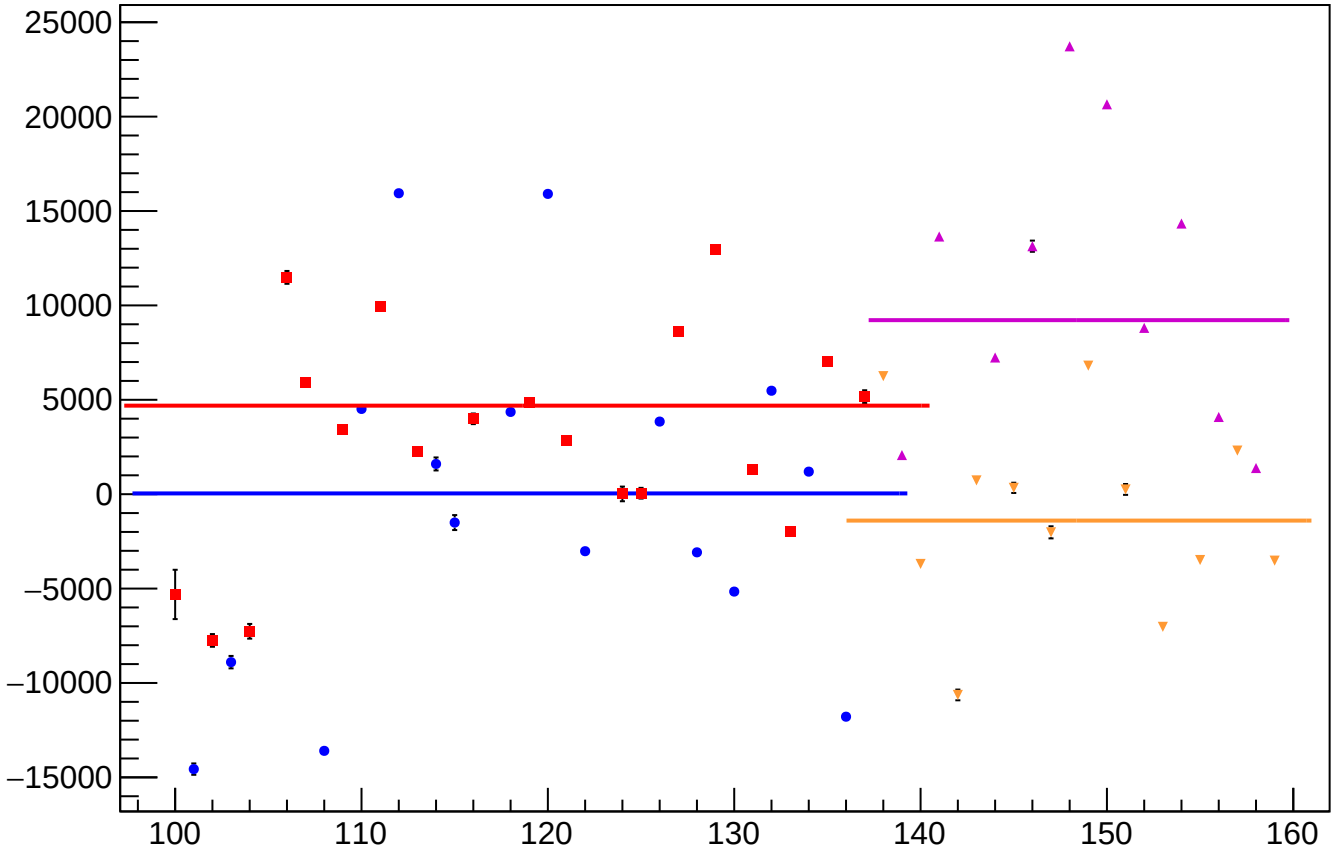
Left In: 167.141+/-0.042 χ^2/NDF:849890.8/9

+ sign 191.203+/-0.034 χ^2/NDF: 1520513.9/27

All: 180.619+/-0.023 χ^2/NDF: 3797006.7/56

- sign 171.486+/-0.032 χ^2/NDF: 2100542.0/28

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

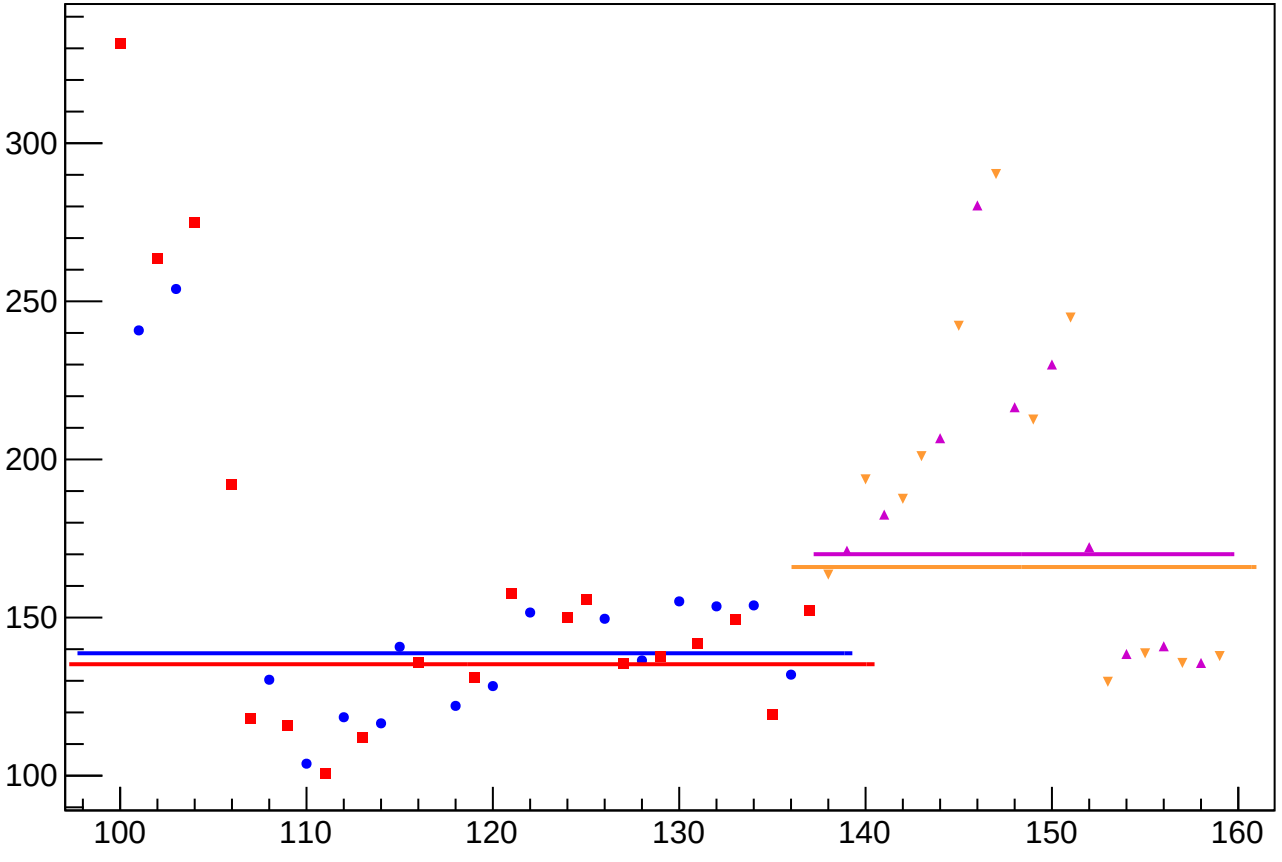
Left In: 9218.937+/-60.616 χ^2/NDF:12984.8/9

+ sign -652.273+/-39.022 χ^2/NDF: 37921.1/27

All: 2935.794+/-27.763 χ^2/NDF: 79034.1/56

- sign 6613.874+/-39.509 χ^2/NDF: 23991.7/28

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

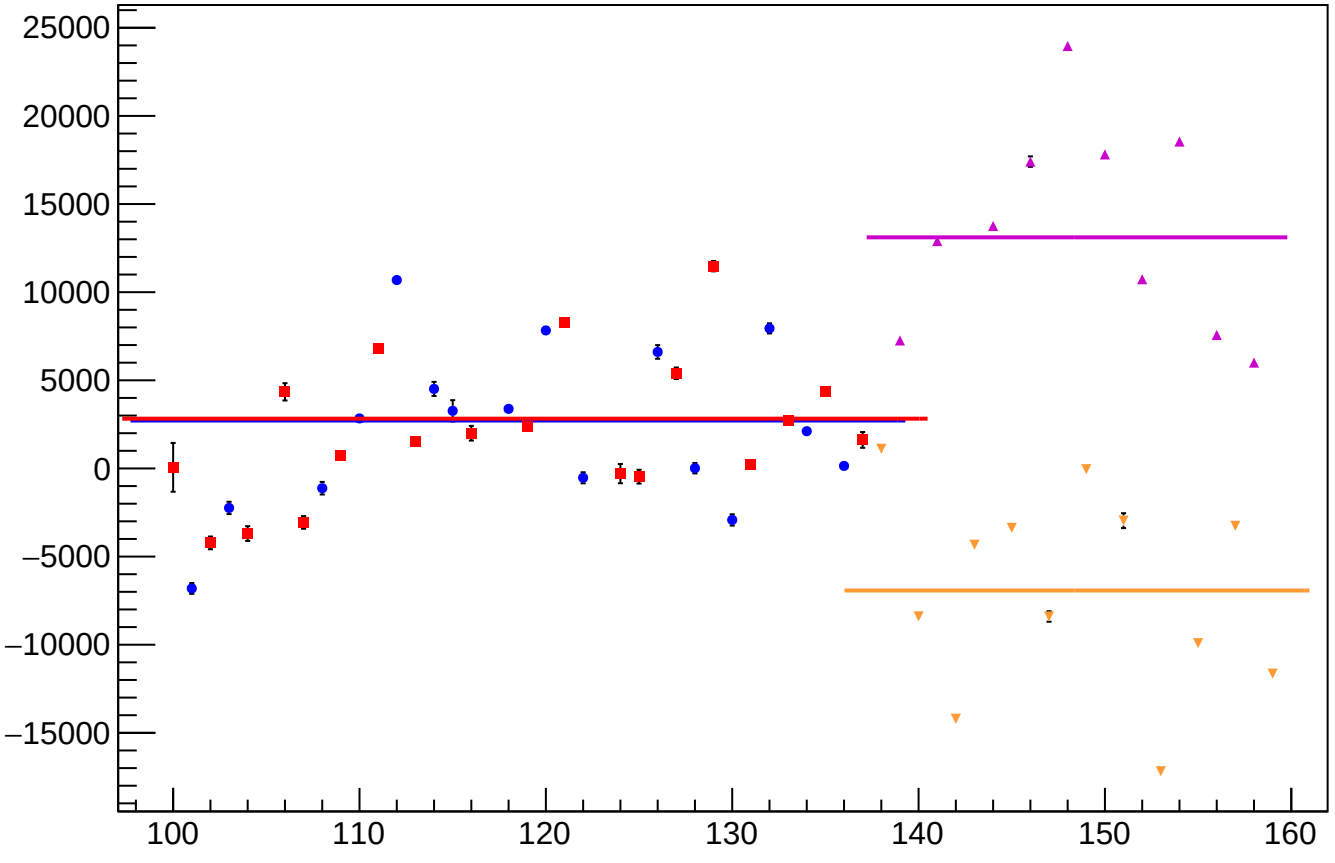
Left In: 170.038+/-0.043 χ^2/NDF:802836.4/9

+ sign 151.846+/-0.028 χ^2/NDF: 2027510.7/27

All: 150.947+/-0.020 χ^2/NDF: 4101513.8/56

- sign 150.026+/-0.028 χ^2/NDF: 2071856.0/28

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

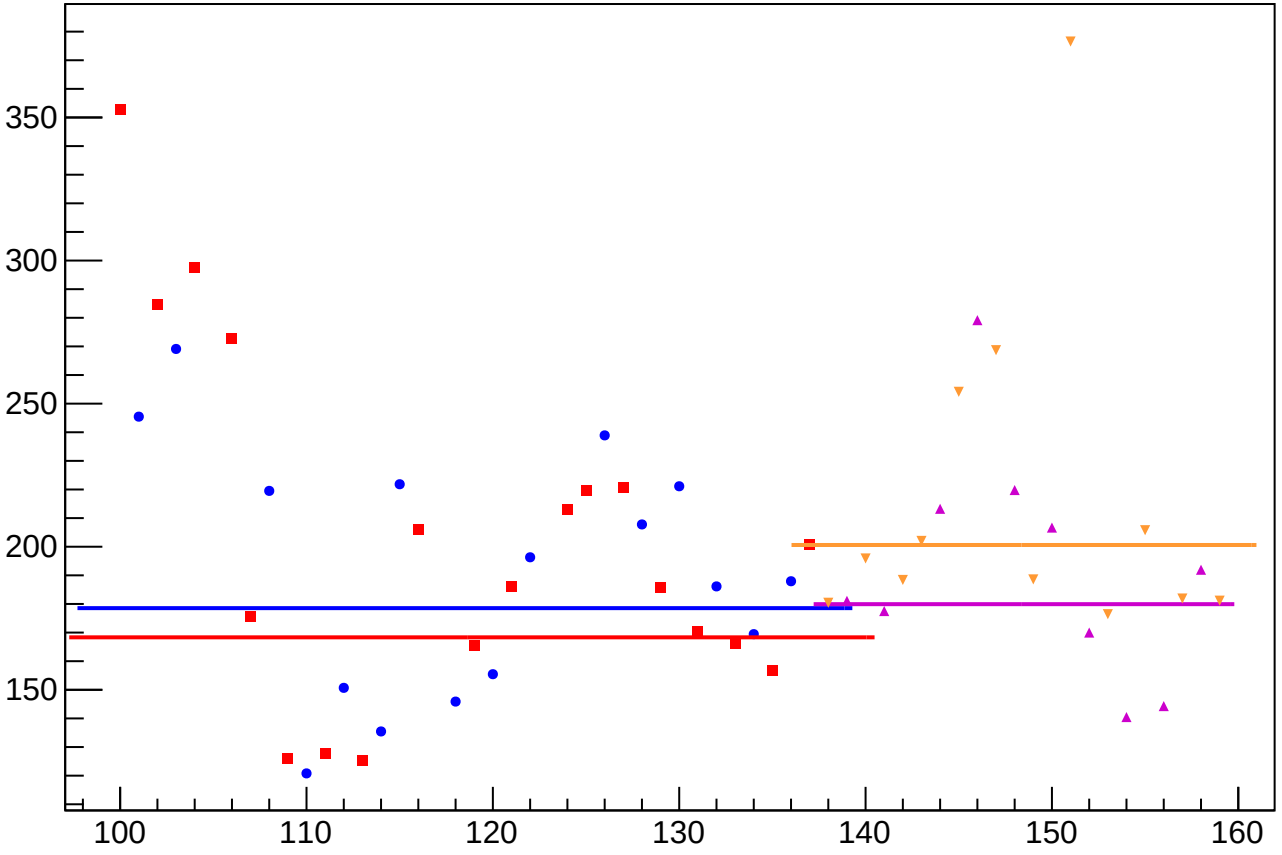
Left In: 13110.901+/-63.887 χ^2/NDF:7227.5/9

\+ sign -2250.697+/-48.206 χ^2/NDF: 21481.8/27

All: 3192.494+/-33.093 χ^2/NDF: 68656.2/56

\- sign 8044.212+/-45.512 χ^2/NDF: 23060.3/28

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

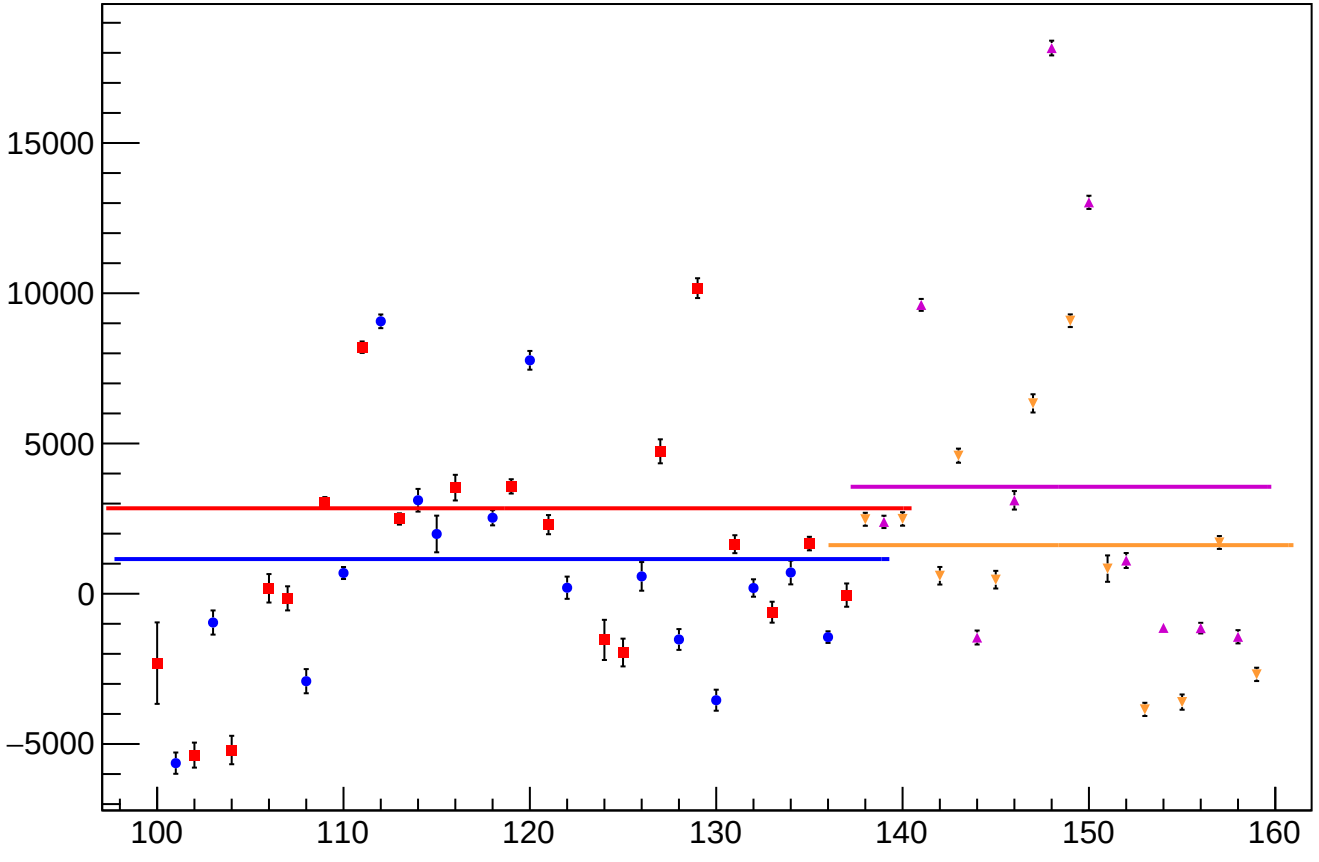
Left In: 179.927+/-0.045 χ^2/NDF:592338.2/9

+ sign 189.913+/-0.034 χ^2/NDF: 1396304.5/27

All: 181.614+/-0.023 χ^2/NDF: 3112657.6/56

- sign 174.218+/-0.032 χ^2/NDF: 1604257.2/28

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

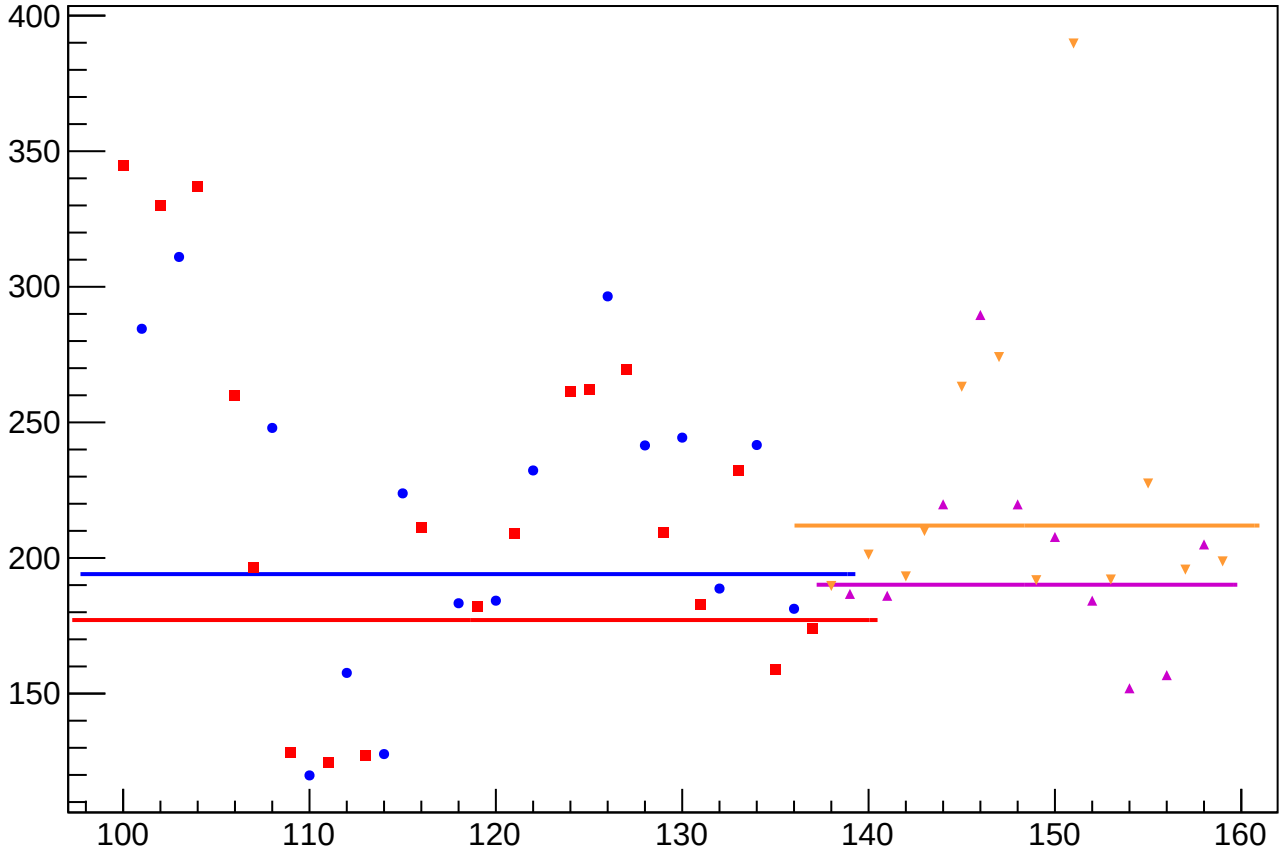
Left In: 3559.811+/-67.313 χ^2/NDF:8940.6/9

+ sign 1401.511+/-51.819 χ^2/NDF: 5806.2/27

All: 2371.317+/-35.305 χ^2/NDF: 17908.7/56

- sign 3211.431+/-48.230 χ^2/NDF: 11448.8/28

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

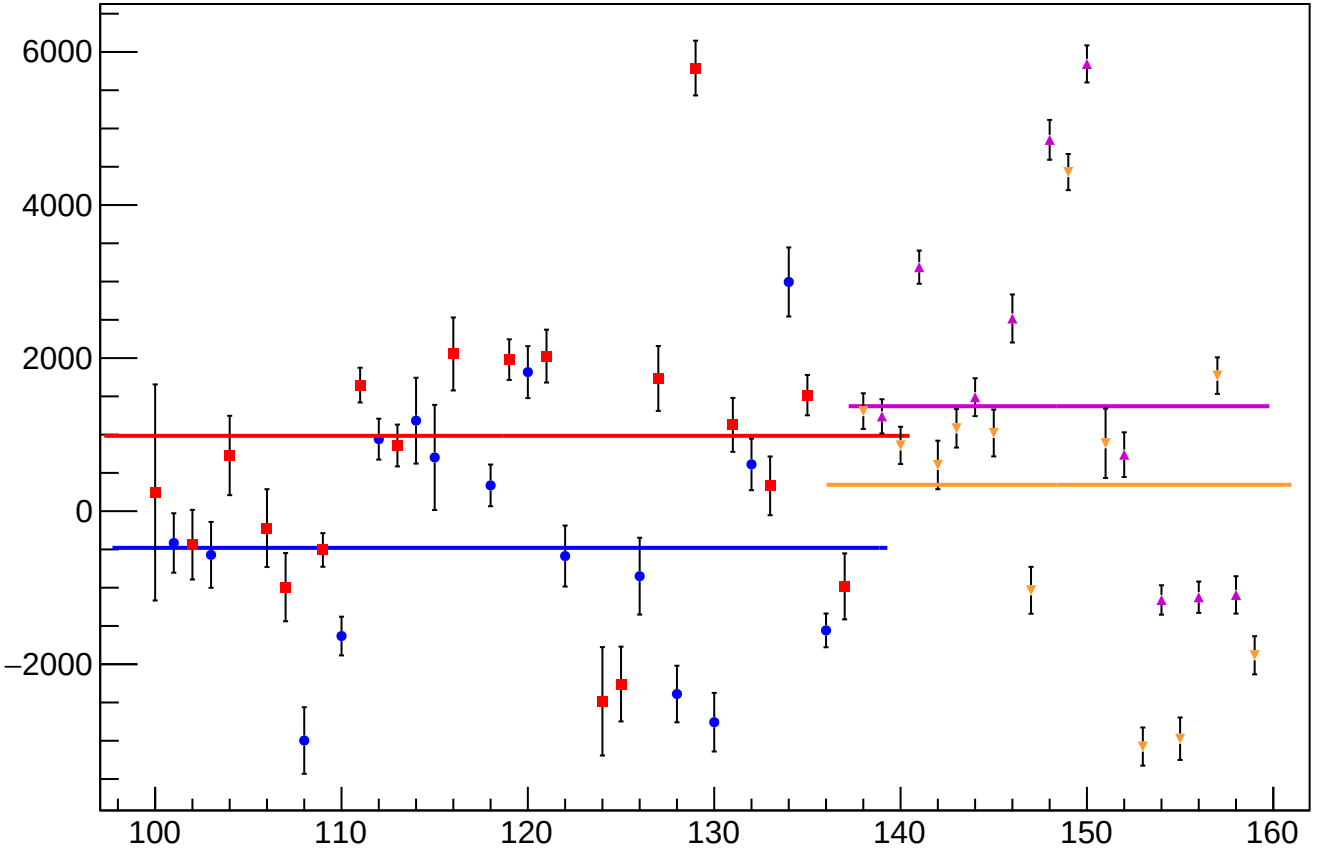
Left In: 190.137+/-0.048 χ^2/NDF:473246.4/9

+ sign 203.625+/-0.037 χ^2/NDF: 1591657.2/27

All: 193.003+/-0.025 χ^2/NDF: 3617526.5/56

- sign 183.800+/-0.034 χ^2/NDF: 1869017.4/28

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

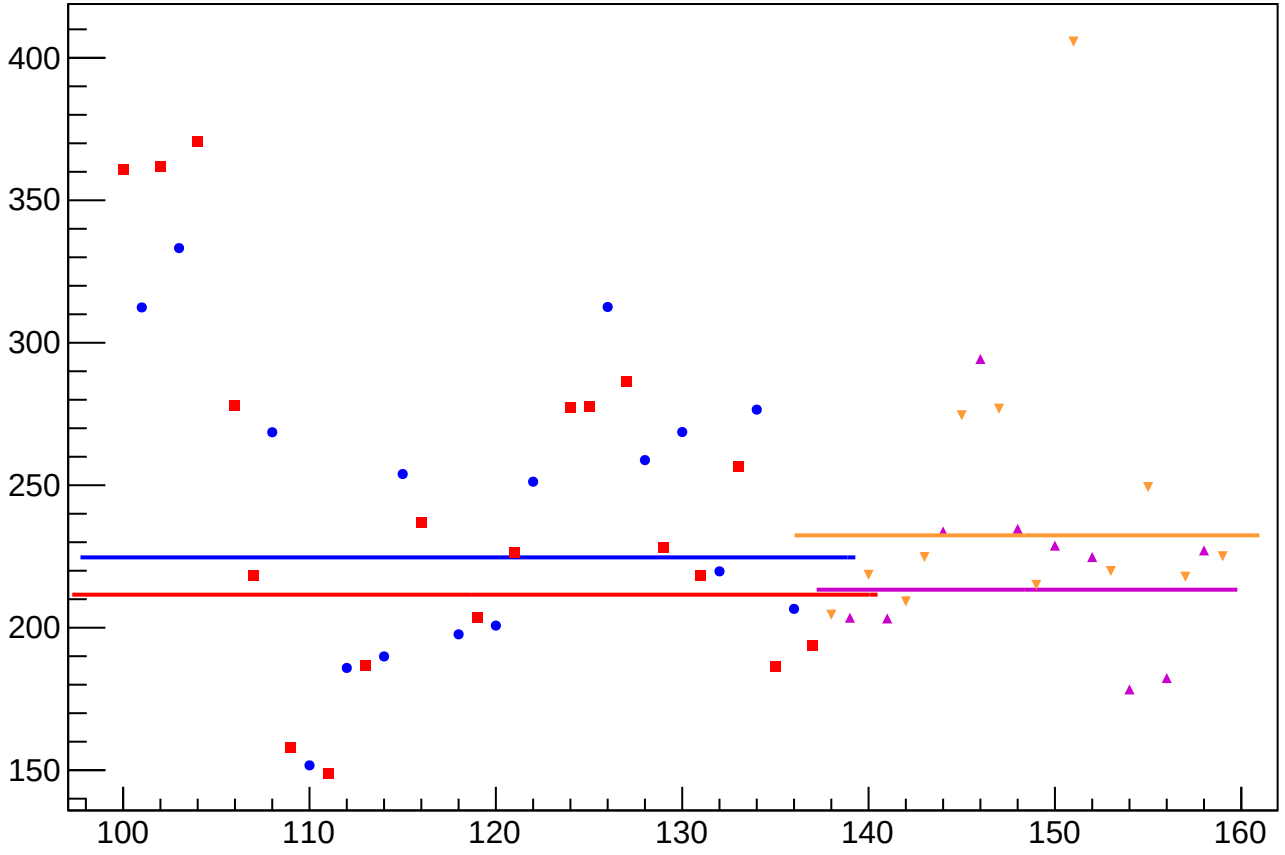
Left In: 1371.372+/-74.745 χ^2/NDF:1032.4/9

+ sign -19.608+/-57.645 χ^2/NDF: 1159.6/27

All: 616.266+/-39.761 χ^2/NDF: 2834.6/56

- sign 1193.318+/-54.914 χ^2/NDF: 1442.9/28

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

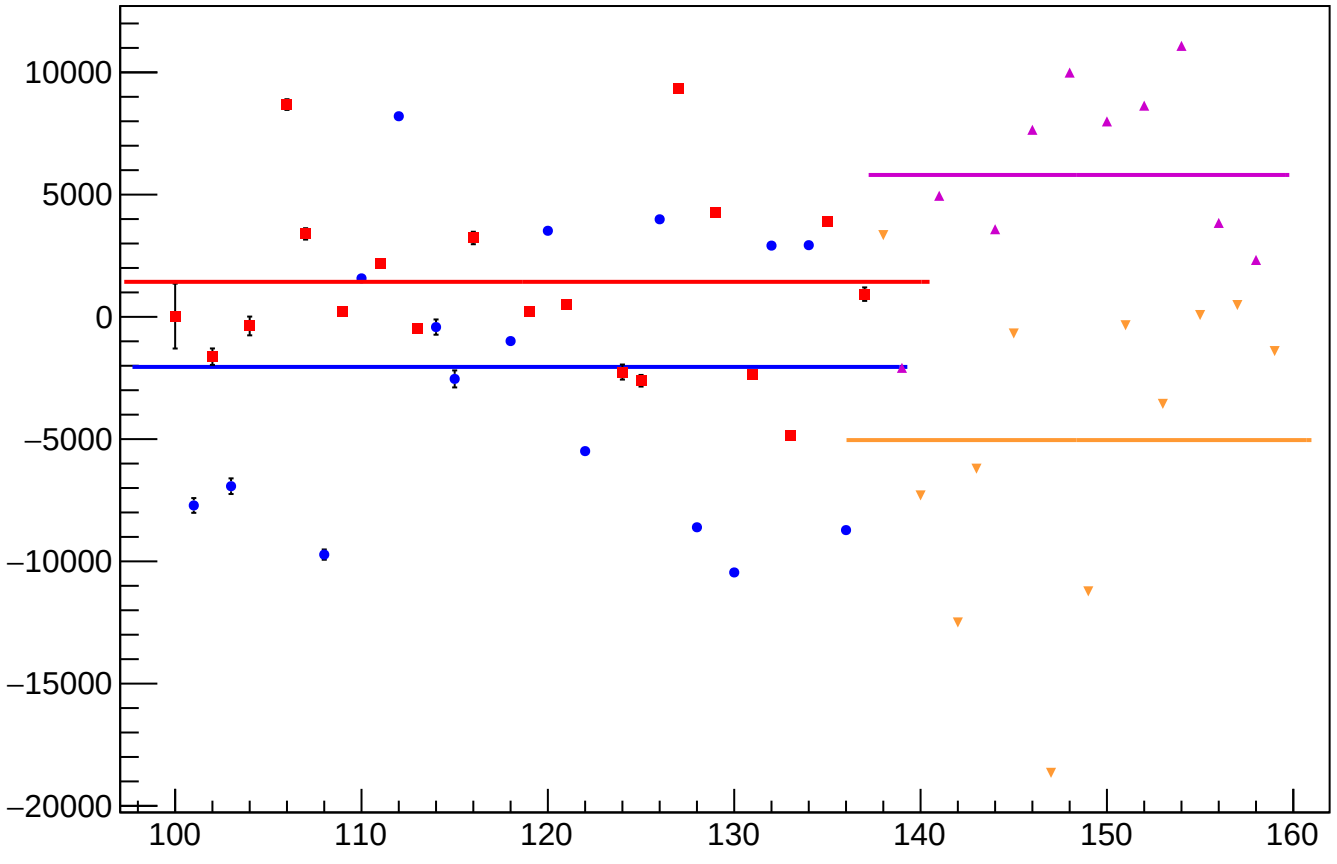
Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 213.346+/-0.053 χ^2/NDF:298376.5/9

+ sign 228.998+/-0.041 χ^2/NDF: 1113719.2/27

All: 220.370+/-0.028 χ^2/NDF: 2430964.1/56

- sign 212.540+/-0.039 χ^2/NDF: 1231784.2/28



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

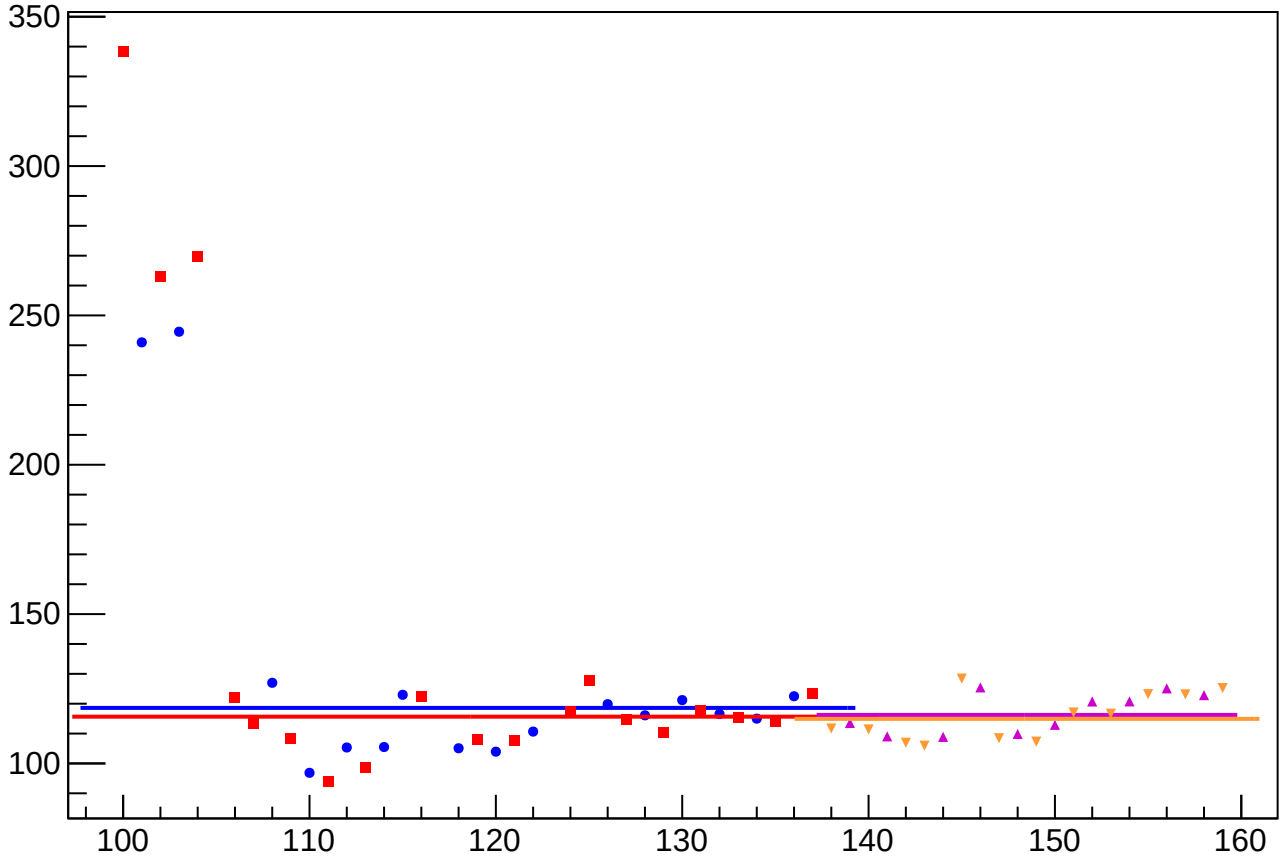
Left In: 5804.233+/-39.942 χ^2/NDF:9005.0/9

+ sign -3857.155+/-29.373 χ^2/NDF: 47579.9/27

All: -50.895+/-20.917 χ^2/NDF: 102354.0/56

- sign 3864.917+/-29.792 χ^2/NDF: 20706.5/28

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

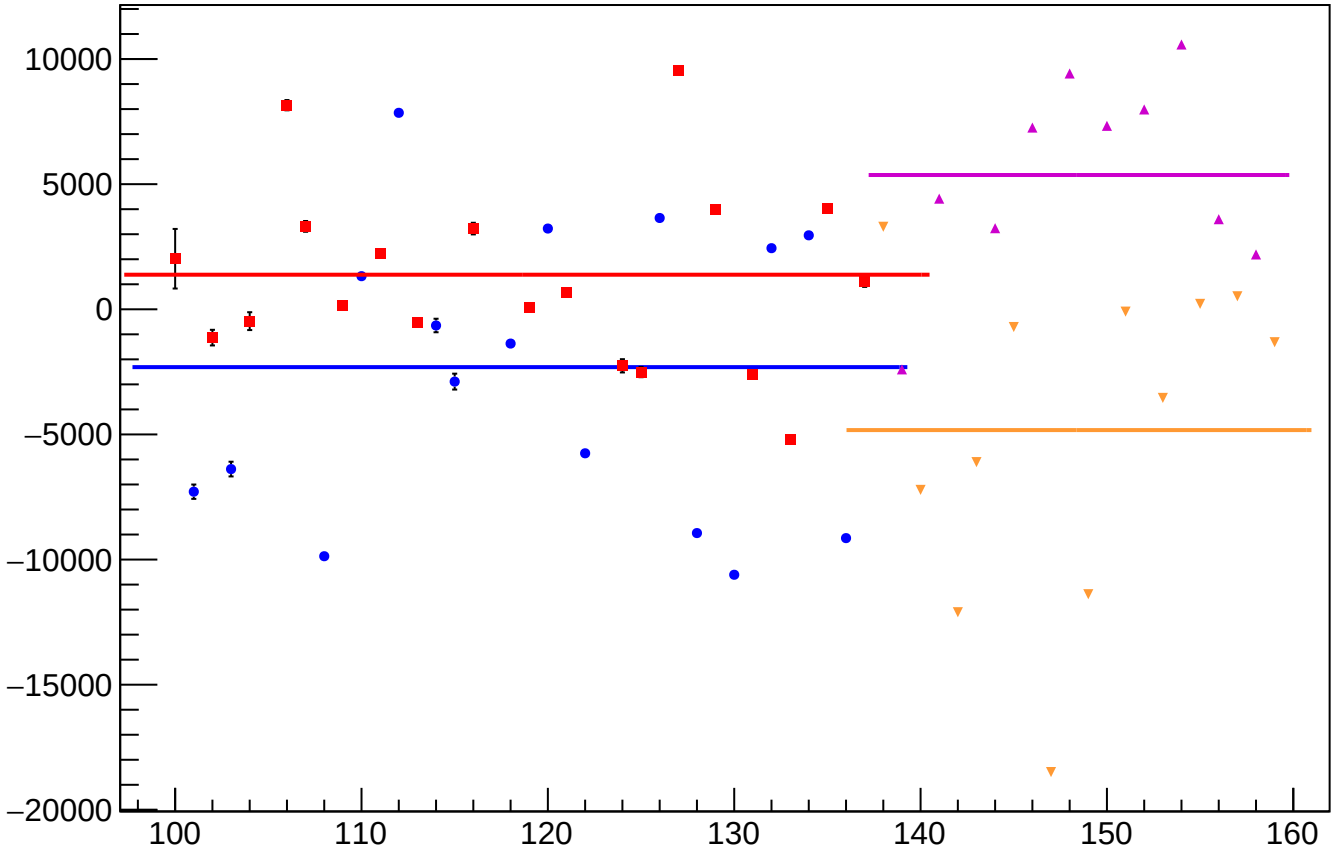
Left In: 116.243+/-0.028 χ^2/NDF:50745.1/9

+ sign 116.375+/-0.021 χ^2/NDF: 818830.8/27

All: 116.182+/-0.015 χ^2/NDF: 1734146.1/56

- sign 115.984+/-0.021 χ^2/NDF: 915141.0/28

asym_bpm2i01WS_mean vs Slug



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

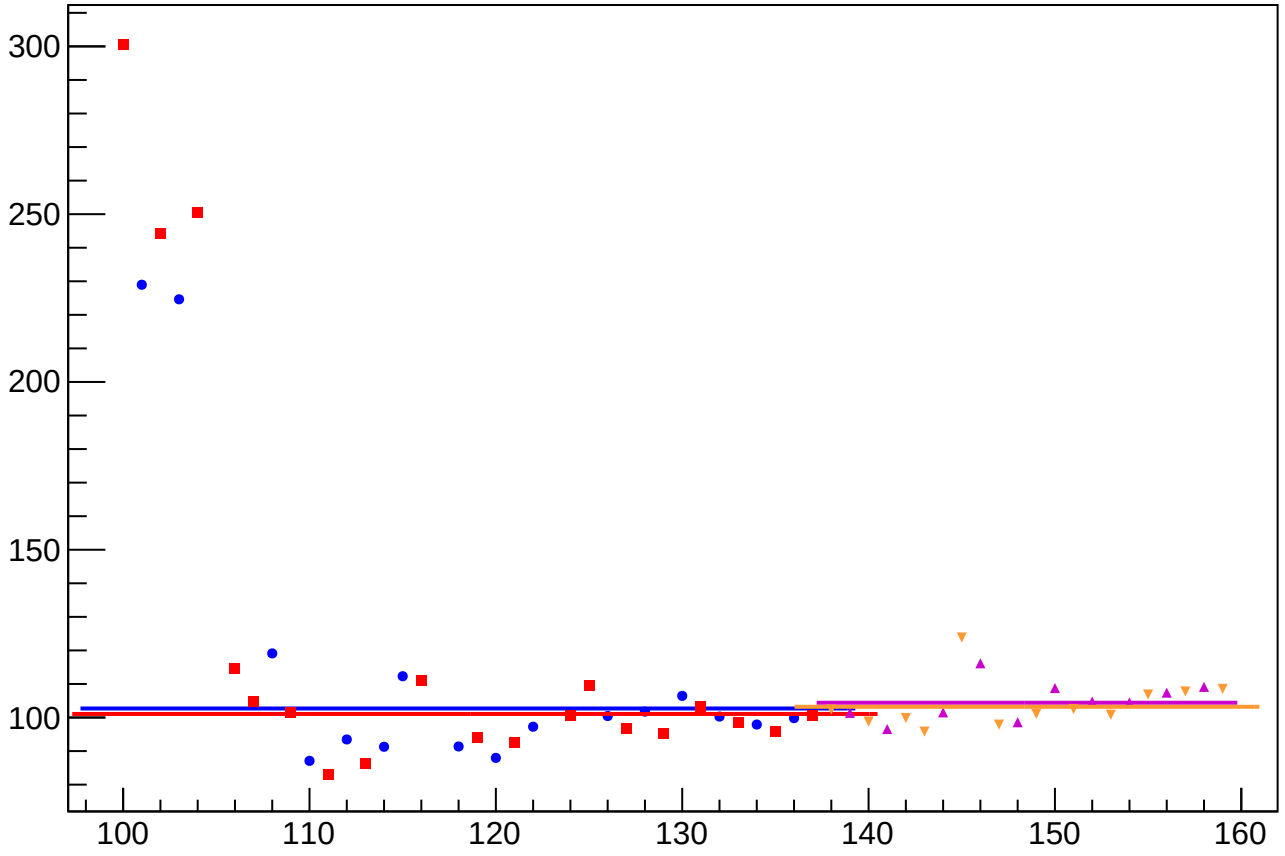
Left In: 5366.126+/-35.908 χ^2/NDF:10664.7/9

+ sign -3795.073+/-26.081 χ^2/NDF: 58196.2/27

All: -181.388+/-18.596 χ^2/NDF: 122085.6/56

- sign 3555.572+/-26.522 χ^2/NDF: 24837.8/28

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

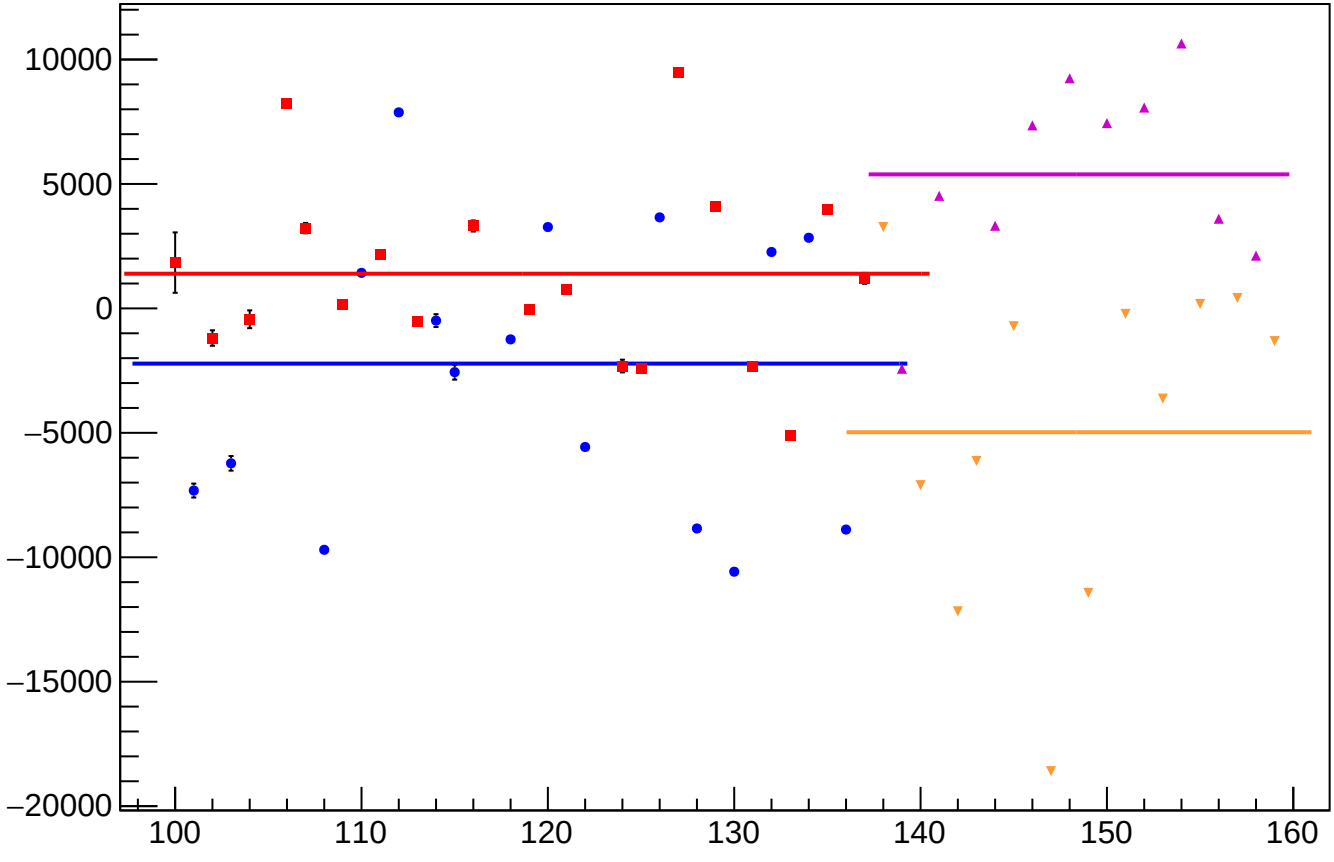
Left In: 104.406+/-0.025 χ^2/NDF:45048.2/9

\+ sign 102.993+/-0.018 χ^2/NDF: 898361.7/27

All: 102.941+/-0.013 χ^2/NDF: 1881761.9/56

\- sign 102.887+/-0.019 χ^2/NDF: 983384.0/28

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

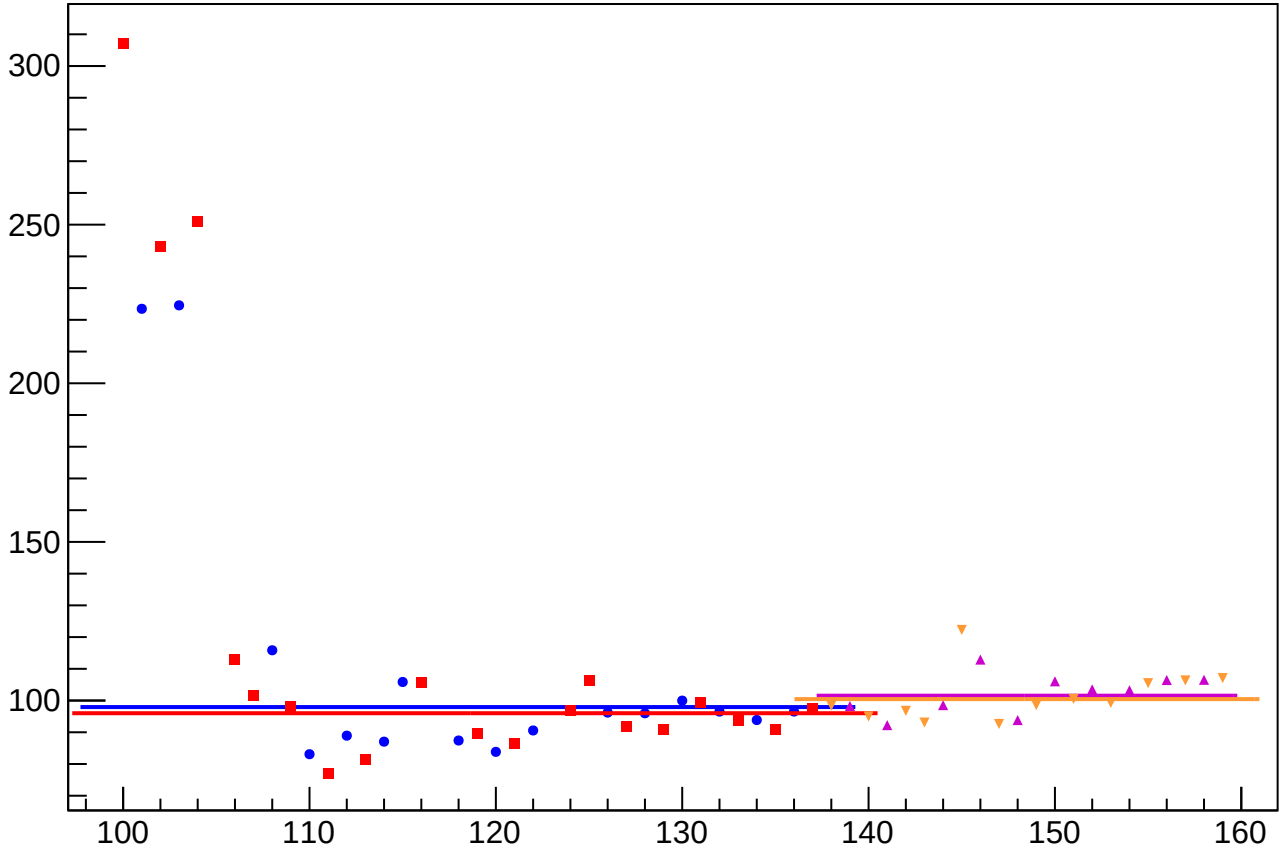
Left In: 5384.997+/-35.002 χ^2/NDF:11280.8/9

+ sign -3821.570+/-25.257 χ^2/NDF: 62921.9/27

All: -196.860+/-17.984 χ^2/NDF: 131173.4/56

- sign 3530.841+/-25.613 χ^2/NDF: 26473.6/28

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

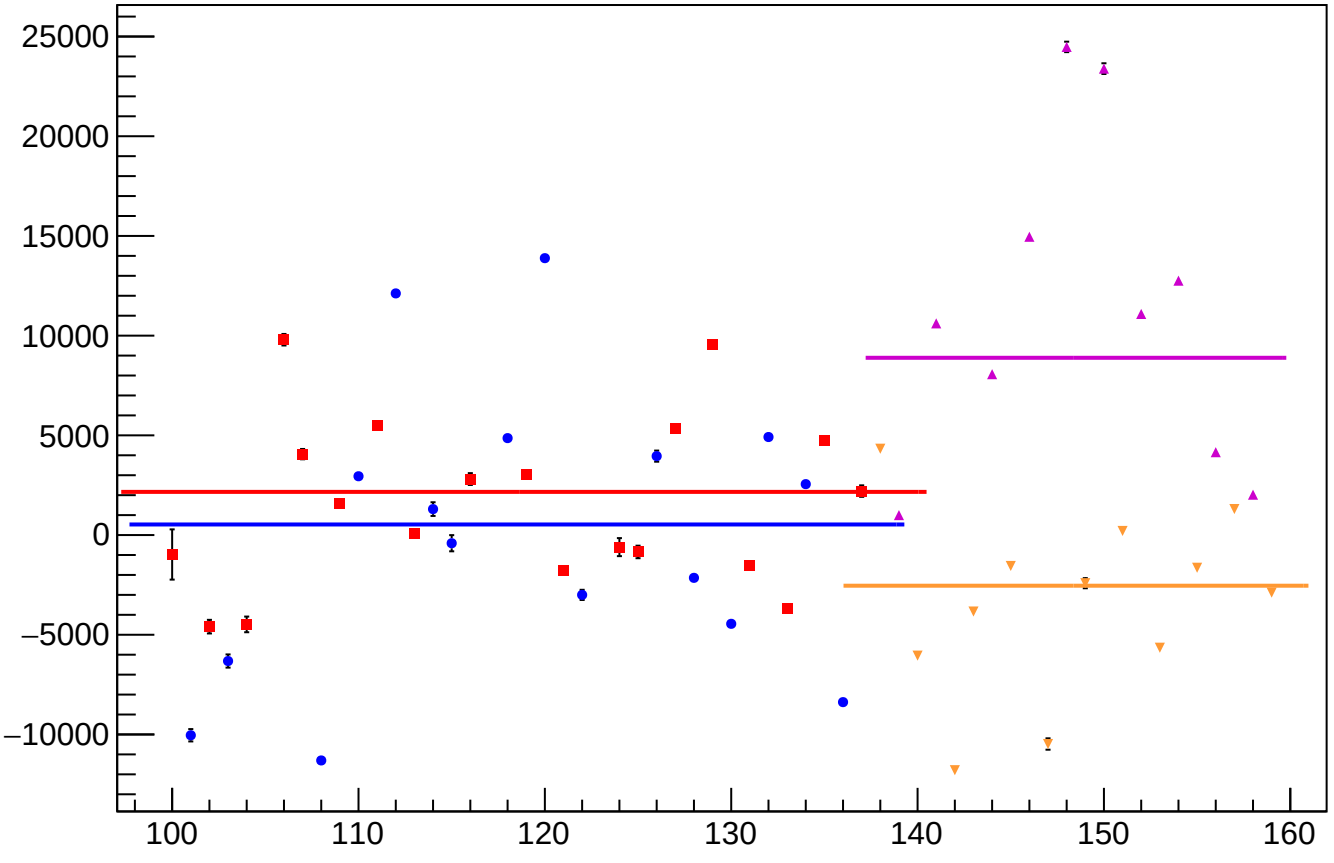
Left In: 101.531+/-0.025 χ^2/NDF:60597.9/9

+ sign 99.401+/-0.018 χ^2/NDF: 966799.8/27

All: 99.185+/-0.013 χ^2/NDF: 2063135.3/56

- sign 98.964+/-0.018 χ^2/NDF: 1096039.8/28

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

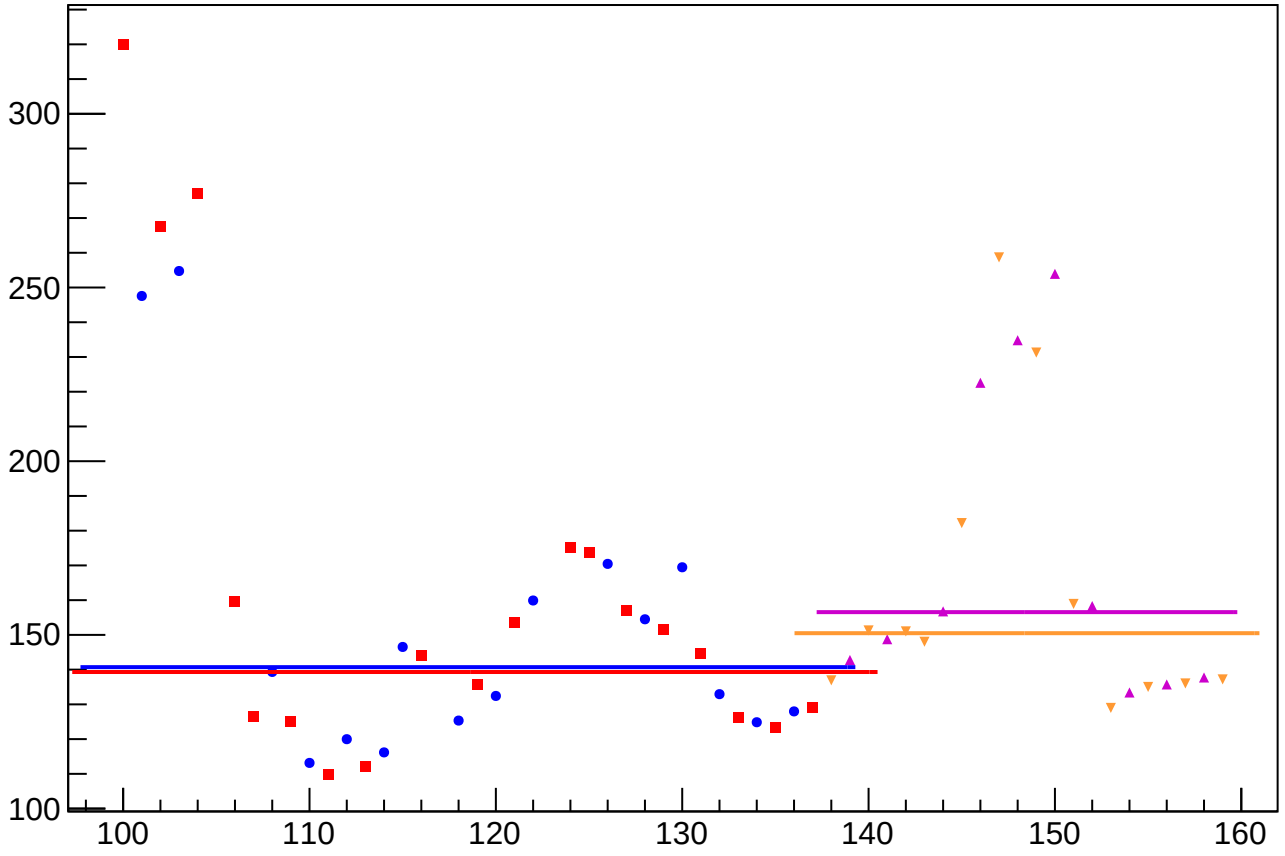
Left In: 8889.537+/-54.931 χ^2/NDF:13732.4/9

+ sign -1141.571+/-37.020 χ^2/NDF: 26550.9/27

All: 2034.497+/-26.622 χ^2/NDF: 68190.6/56

- sign 5435.918+/-38.311 χ^2/NDF: 26396.2/28

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

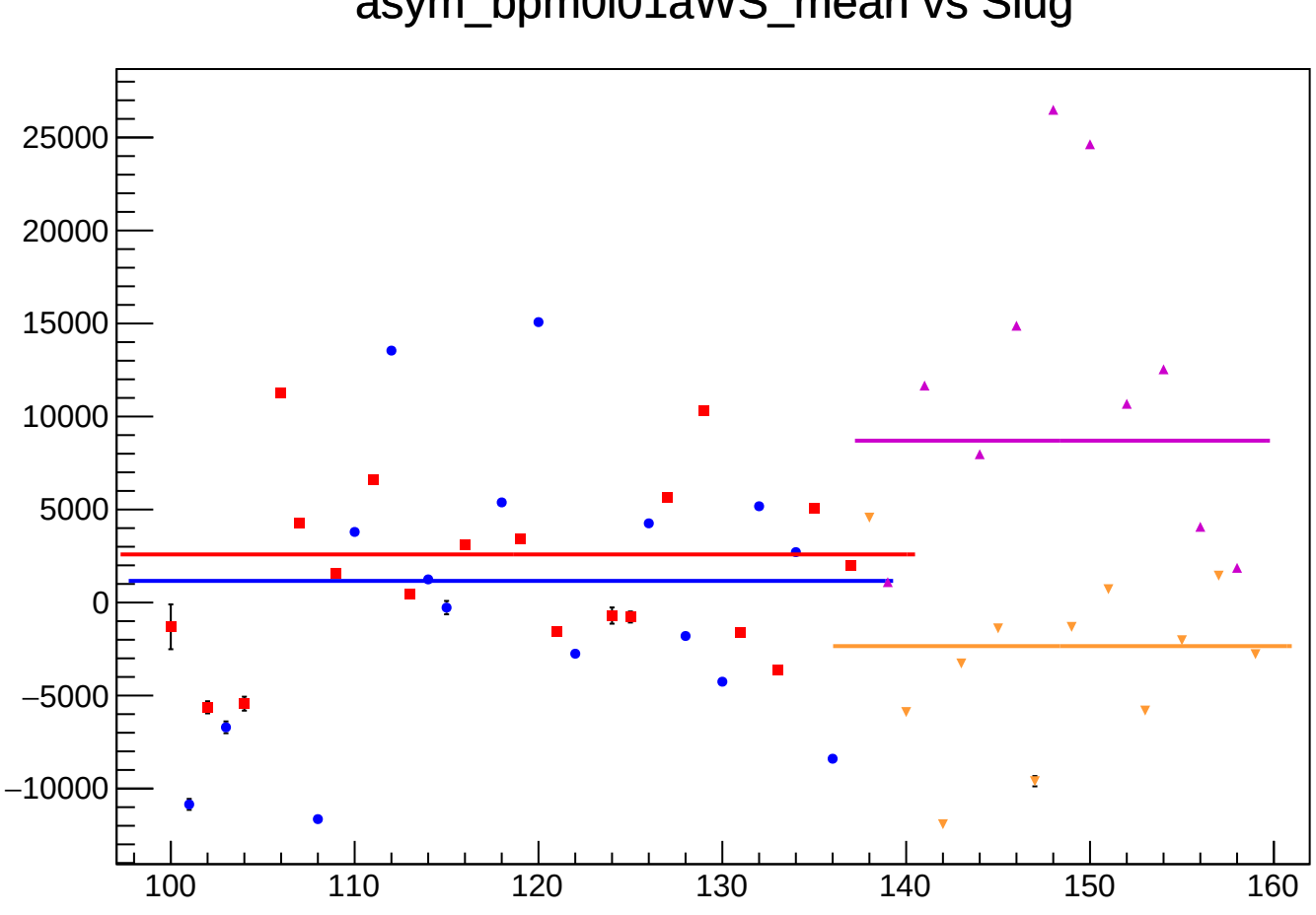
Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 156.553+/-0.039 χ^2/NDF:740628.9/9

+ sign 146.039+/-0.026 χ^2/NDF: 1369674.2/27

All: 146.841+/-0.019 χ^2/NDF: 3015692.3/56

- sign 147.701+/-0.027 χ^2/NDF: 1644072.2/28



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

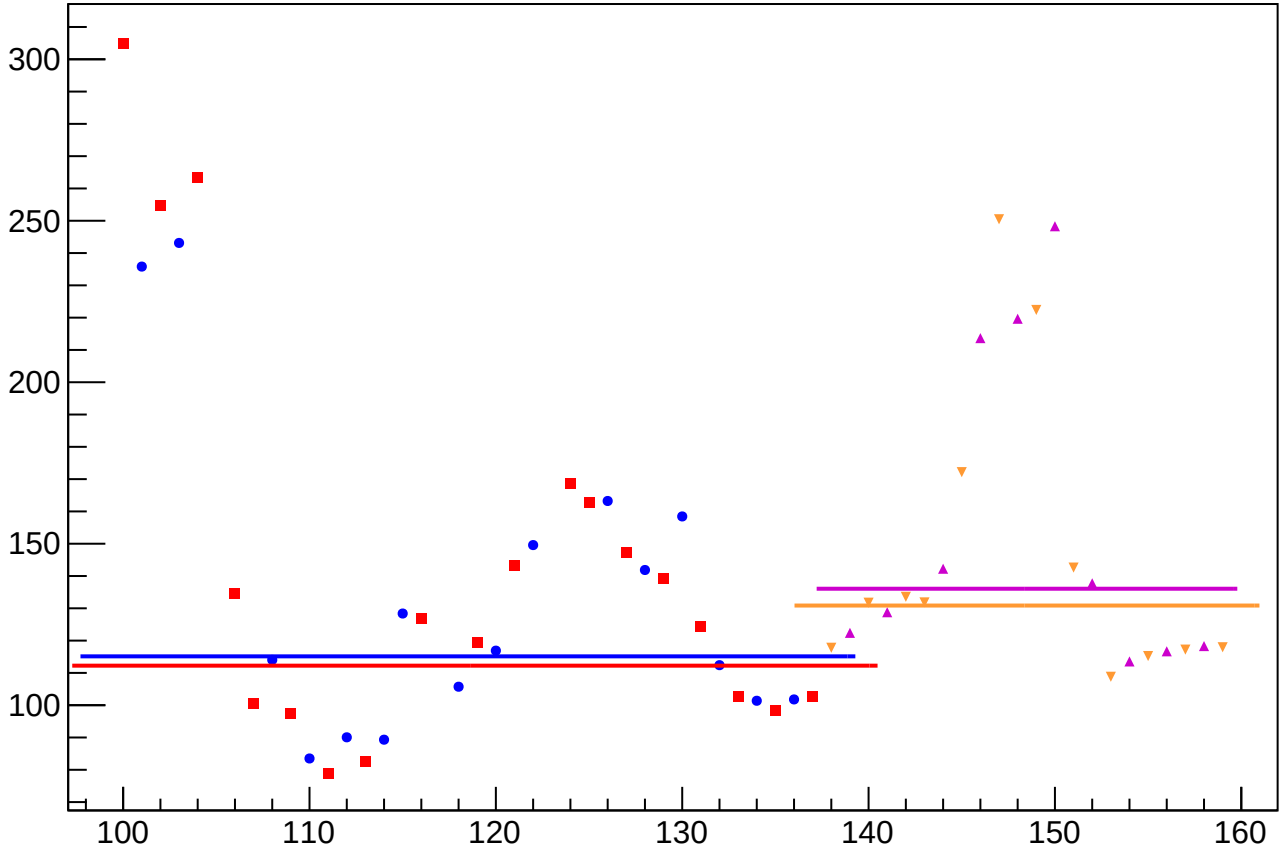
Left In: 8701.836+/-48.368 χ^2/NDF:18427.7/9

+ sign -662.513+/-31.799 χ^2/NDF: 42031.9/27

All: 2275.596+/-22.780 χ^2/NDF: 94797.8/56

- sign 5373.355+/-32.651 χ^2/NDF: 35227.5/28

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

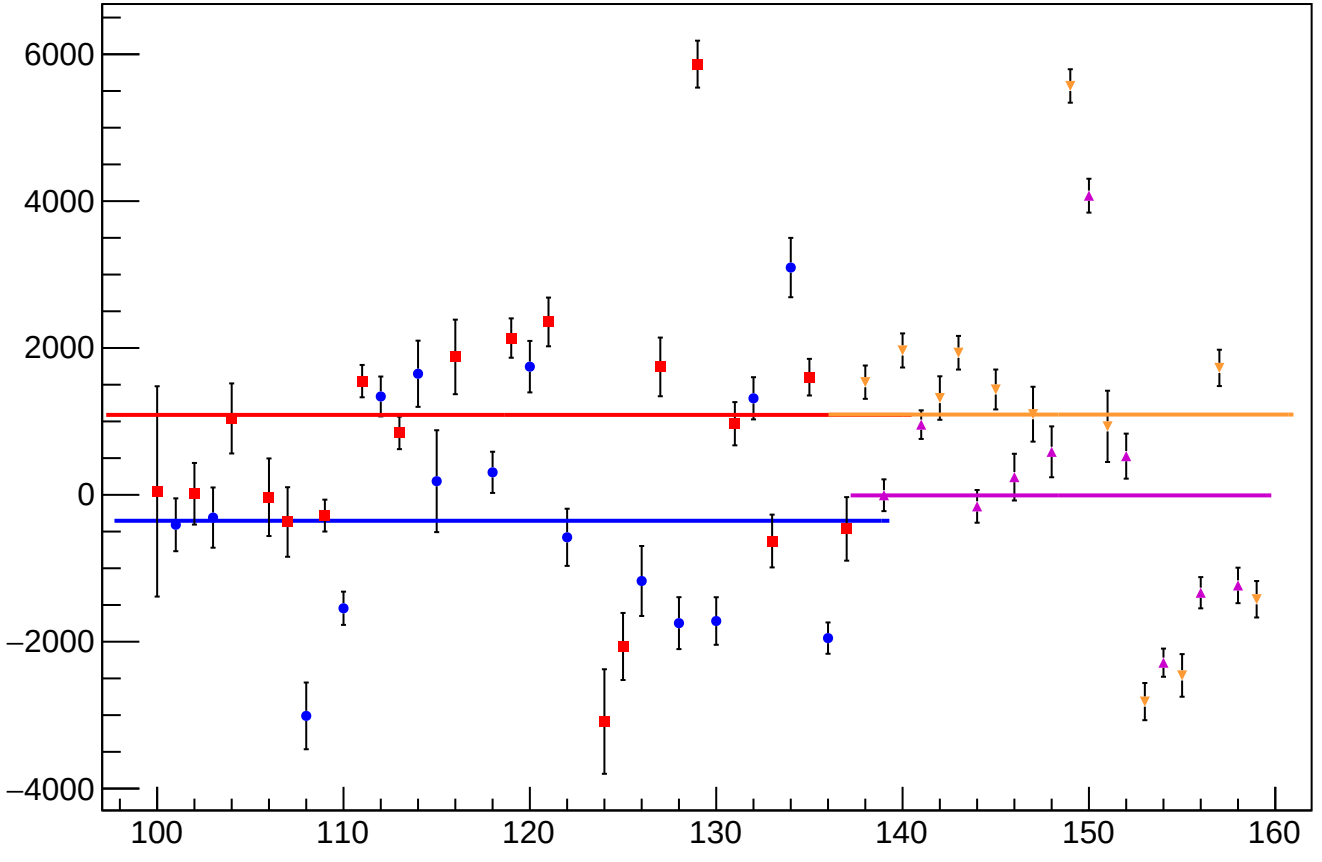
Left In: 136.061+/-0.034 χ^2/NDF:1007973.5/9

+ sign 123.317+/-0.022 χ^2/NDF: 2150153.8/27

All: 123.209+/-0.016 χ^2/NDF: 4750355.6/56

- sign 123.096+/-0.023 χ^2/NDF: 2600154.7/28

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

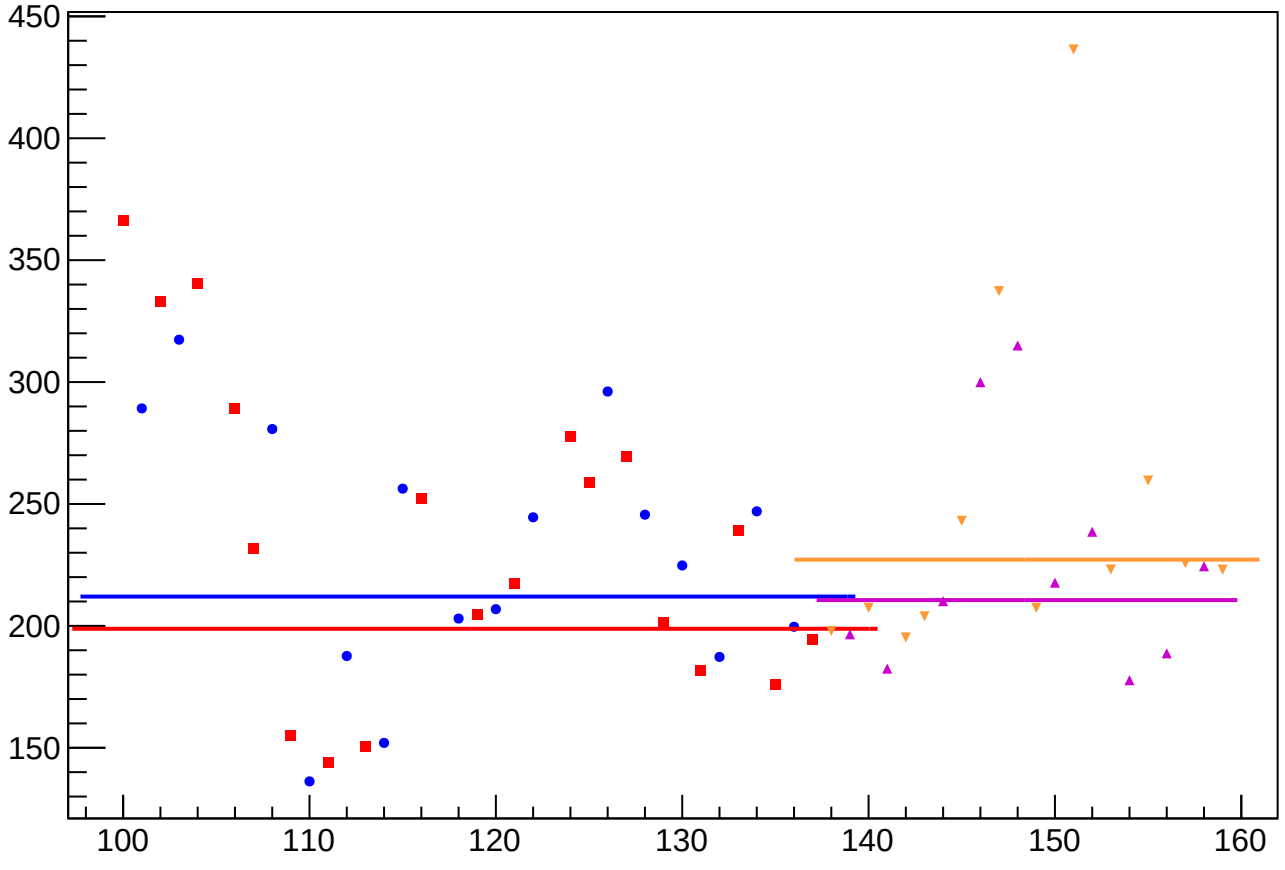
Left In: -7.486+/-74.157 χ^2/NDF:550.4/9

+ sign 425.323+/-55.820 χ^2/NDF: 1445.9/27

All: 477.001+/-38.521 χ^2/NDF: 2551.0/56

- sign 523.989+/-53.227 χ^2/NDF: 1103.5/28

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

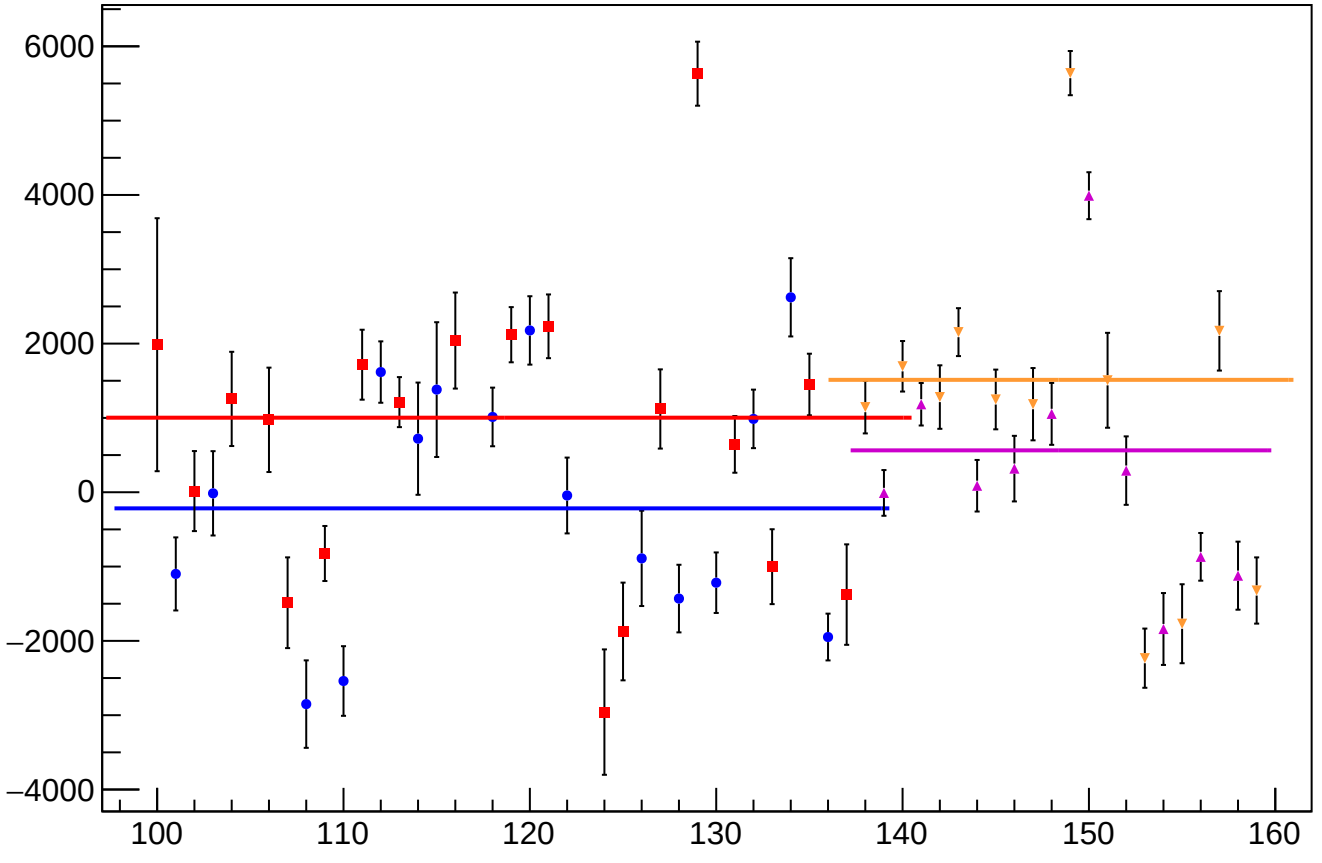
Left In: 210.581+/-0.052 χ^2/NDF:494391.6/9

+ sign 220.175+/-0.039 χ^2/NDF: 1411929.0/27

All: 212.161+/-0.027 χ^2/NDF: 2984394.4/56

- sign 204.874+/-0.038 χ^2/NDF: 1493752.1/28

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

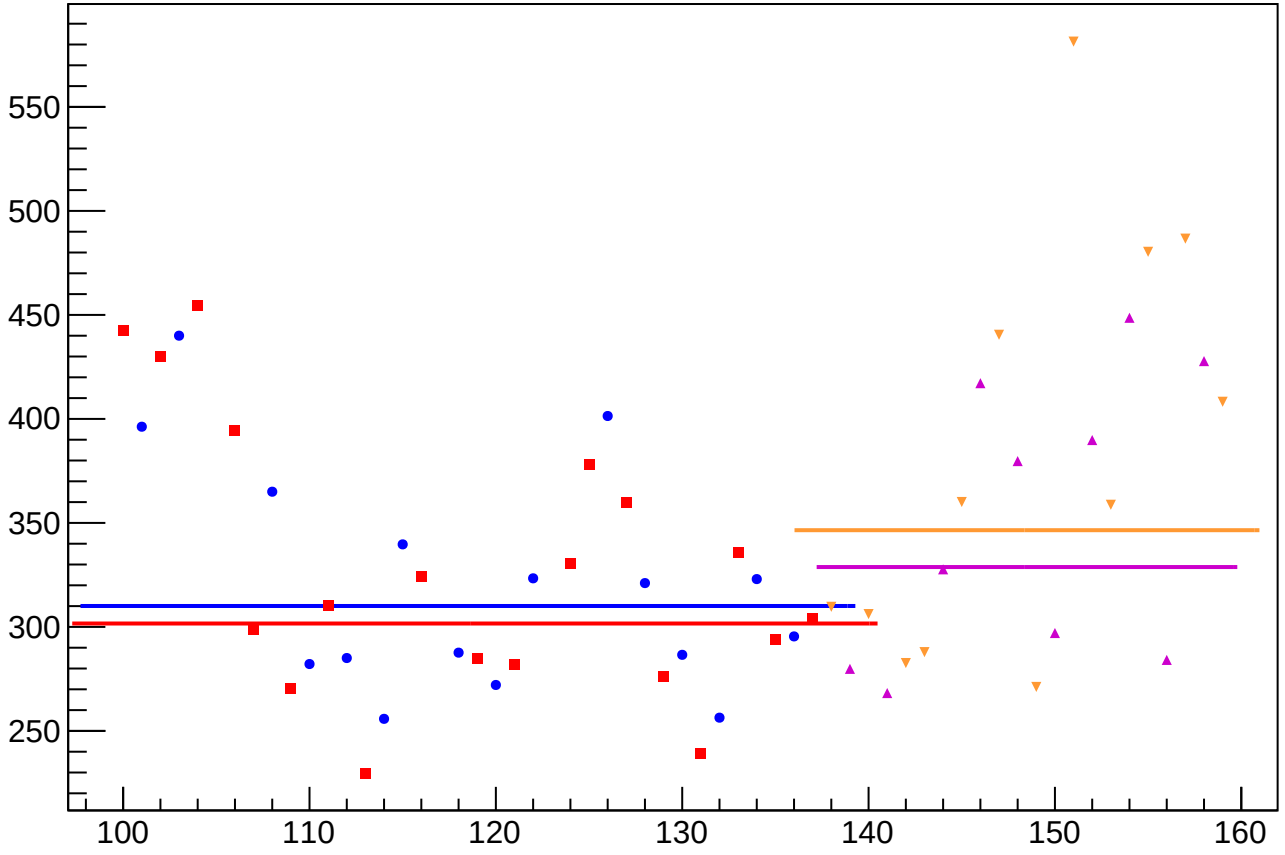
Left In: 563.486+/-115.075 χ^2/NDF:188.0/9

+ sign 661.704+/-82.680 χ^2/NDF: 669.2/27

All: 725.922+/-57.739 χ^2/NDF: 1120.2/56

- sign 787.051+/-80.667 χ^2/NDF: 449.8/28

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

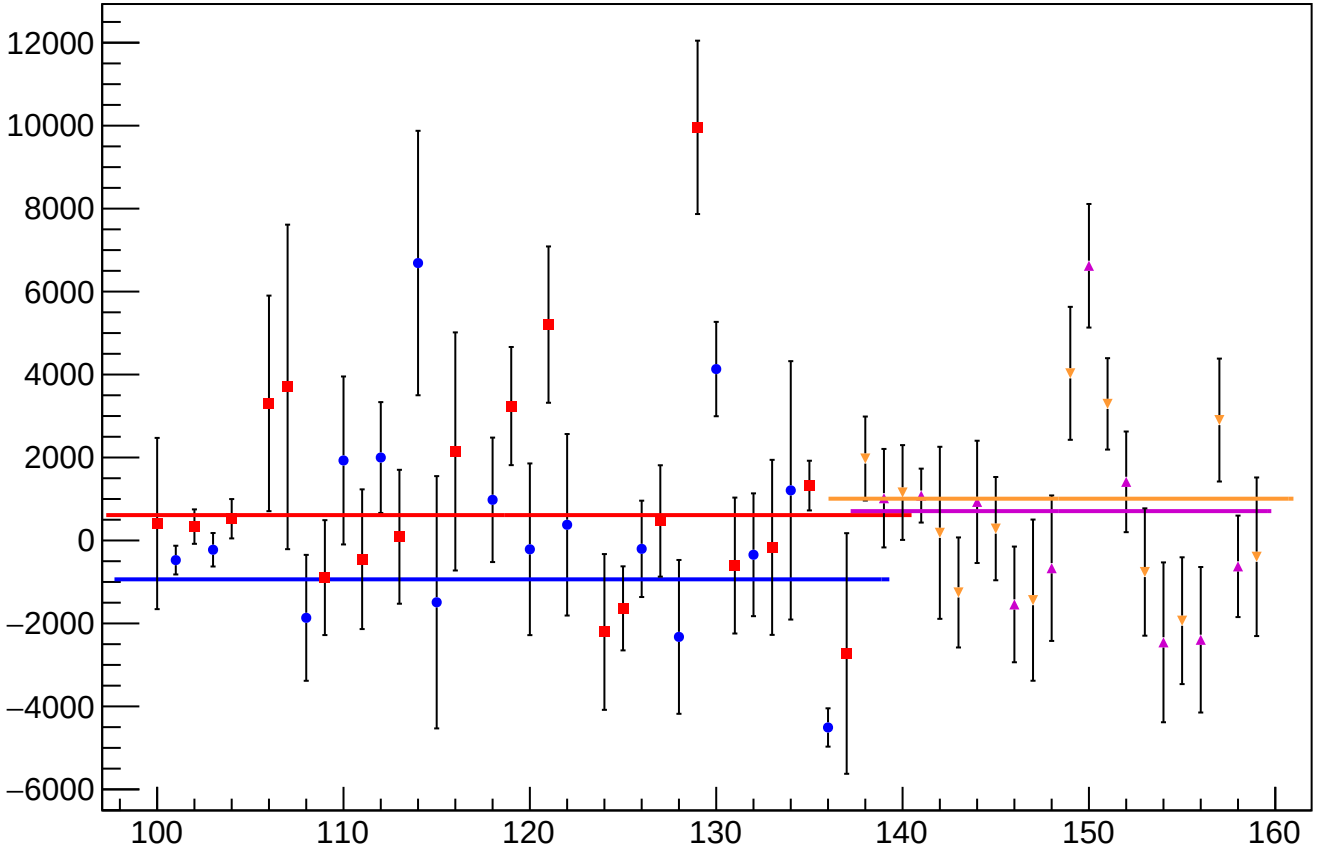
Left In: 328.785+/-0.081 χ^2/NDF:561039.7/9

+ sign 328.576+/-0.058 χ^2/NDF: 1361790.1/27

All: 321.609+/-0.041 χ^2/NDF: 2527050.6/56

- sign 314.977+/-0.057 χ^2/NDF: 1137543.9/28

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

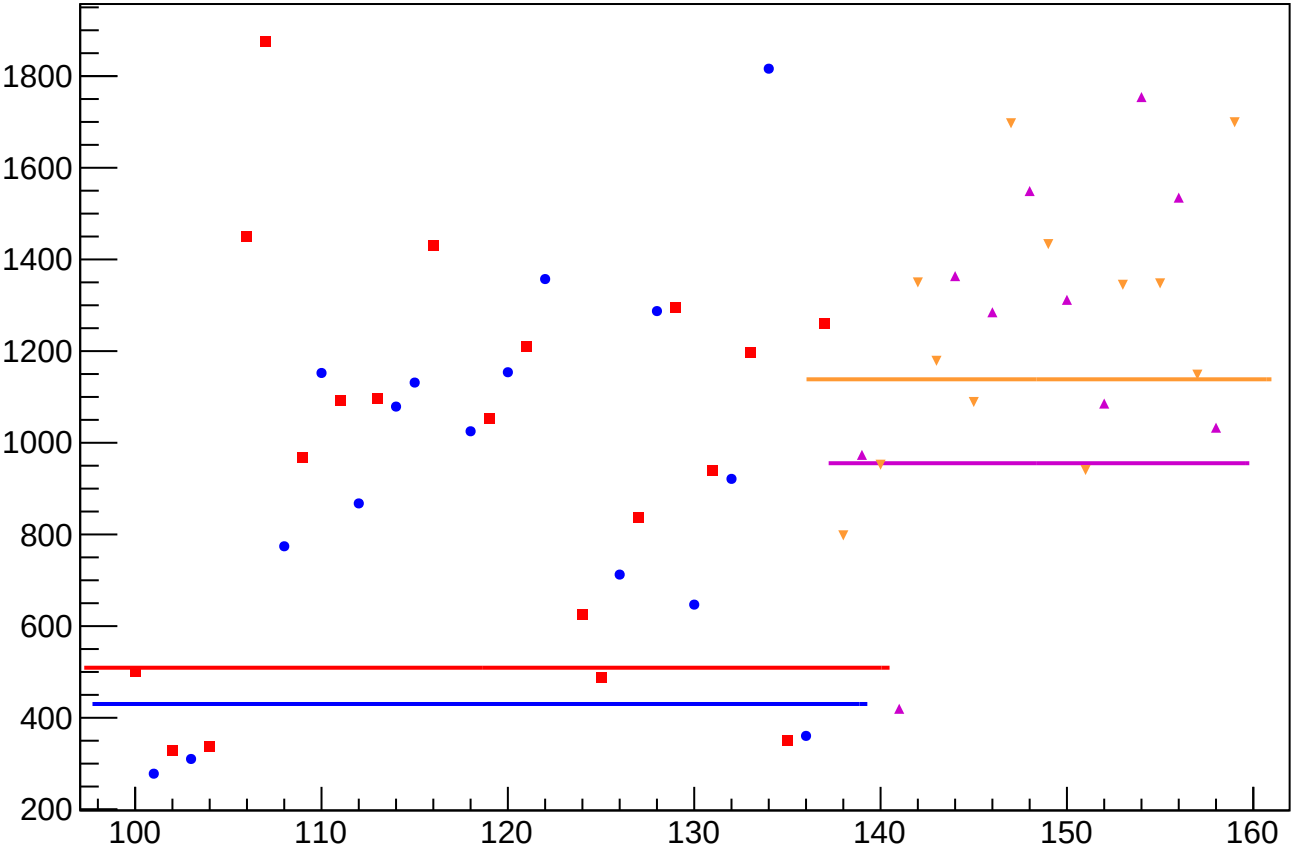
Left In: 707.593+/-384.364 χ^2/NDF:26.7/9

+ sign -533.536+/-182.243 χ^2/NDF: 140.9/27

All: -0.393+/-134.504 χ^2/NDF: 230.6/56

- sign 637.469+/-199.339 χ^2/NDF: 70.9/28

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

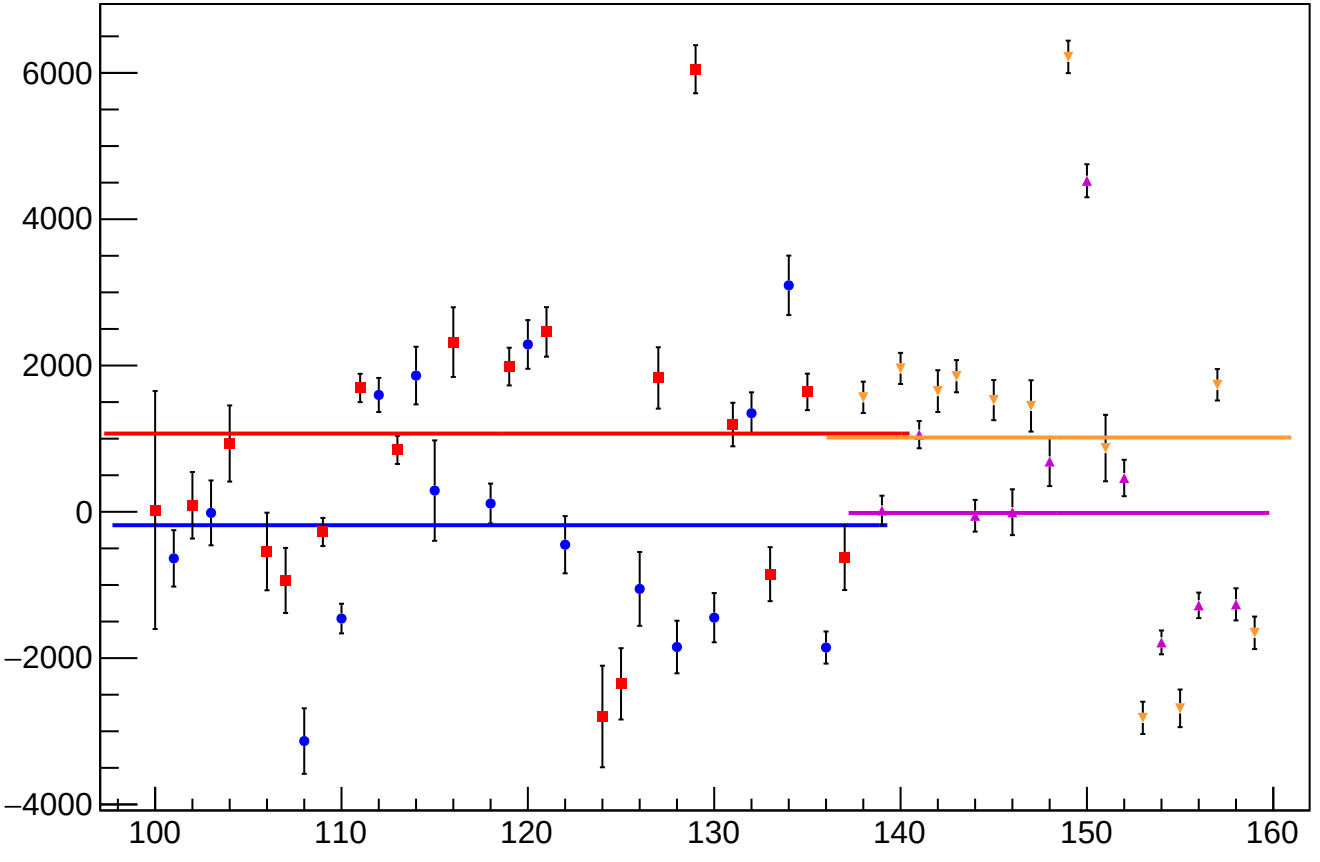
Left In: 955.417+/-0.272 χ^2/NDF:2560953.0/9

+ sign 577.104+/-0.129 χ^2/NDF: 9339757.7/27

All: 600.843+/-0.095 χ^2/NDF: 17618842.7/56

- sign 629.244+/-0.141 χ^2/NDF: 8204549.8/28

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

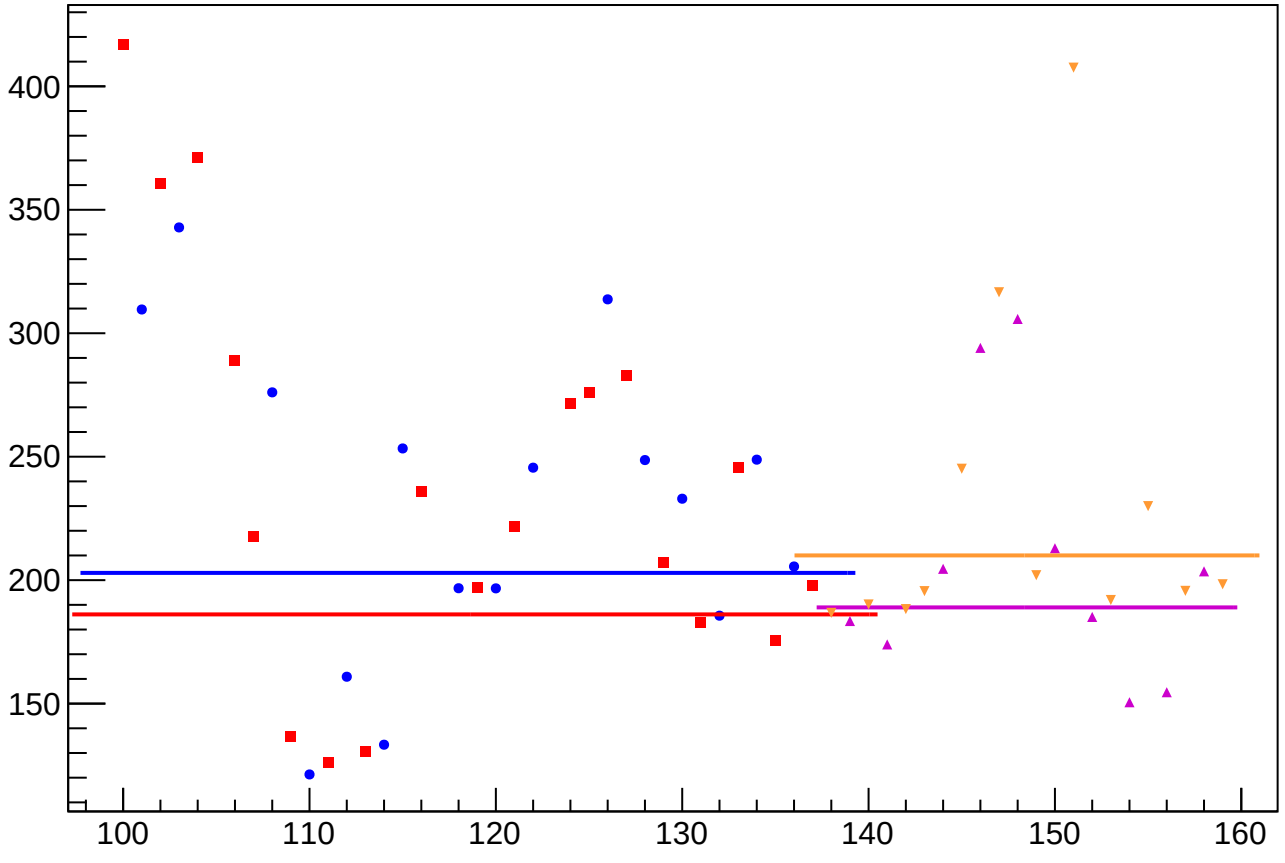
Left In: -15.208+/-67.303 χ^2/NDF:649.3/9

+ sign 490.162+/-52.878 χ^2/NDF: 1809.1/27

All: 486.255+/-36.137 χ^2/NDF: 3069.9/56

- sign 482.831+/-49.501 χ^2/NDF: 1260.8/28

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

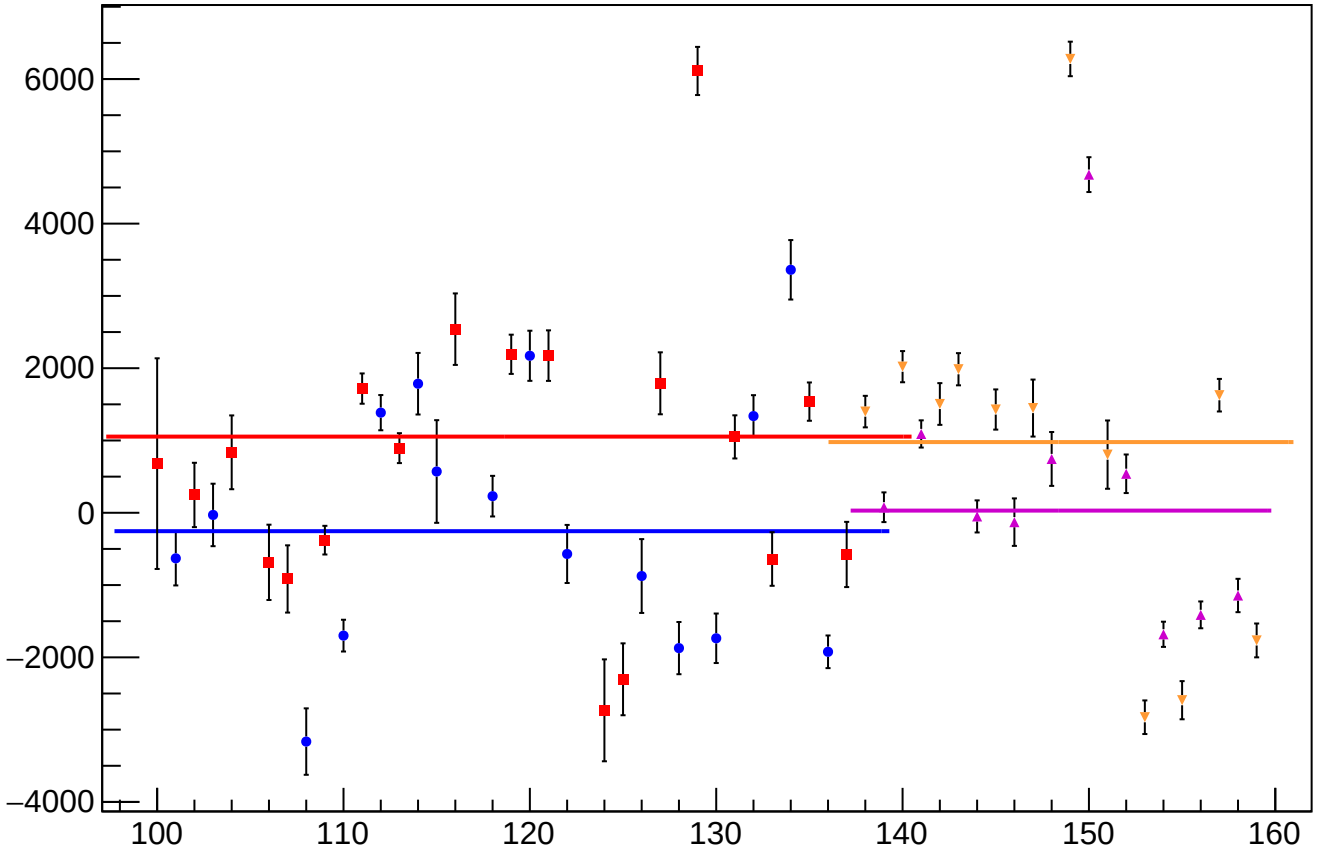
Left In: 188.963+/-0.048 χ^2/NDF:711845.8/9

+ sign 206.917+/-0.037 χ^2/NDF: 1779693.3/27

All: 196.655+/-0.026 χ^2/NDF: 4116163.2/56

- sign 187.662+/-0.035 χ^2/NDF: 2195138.4/28

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

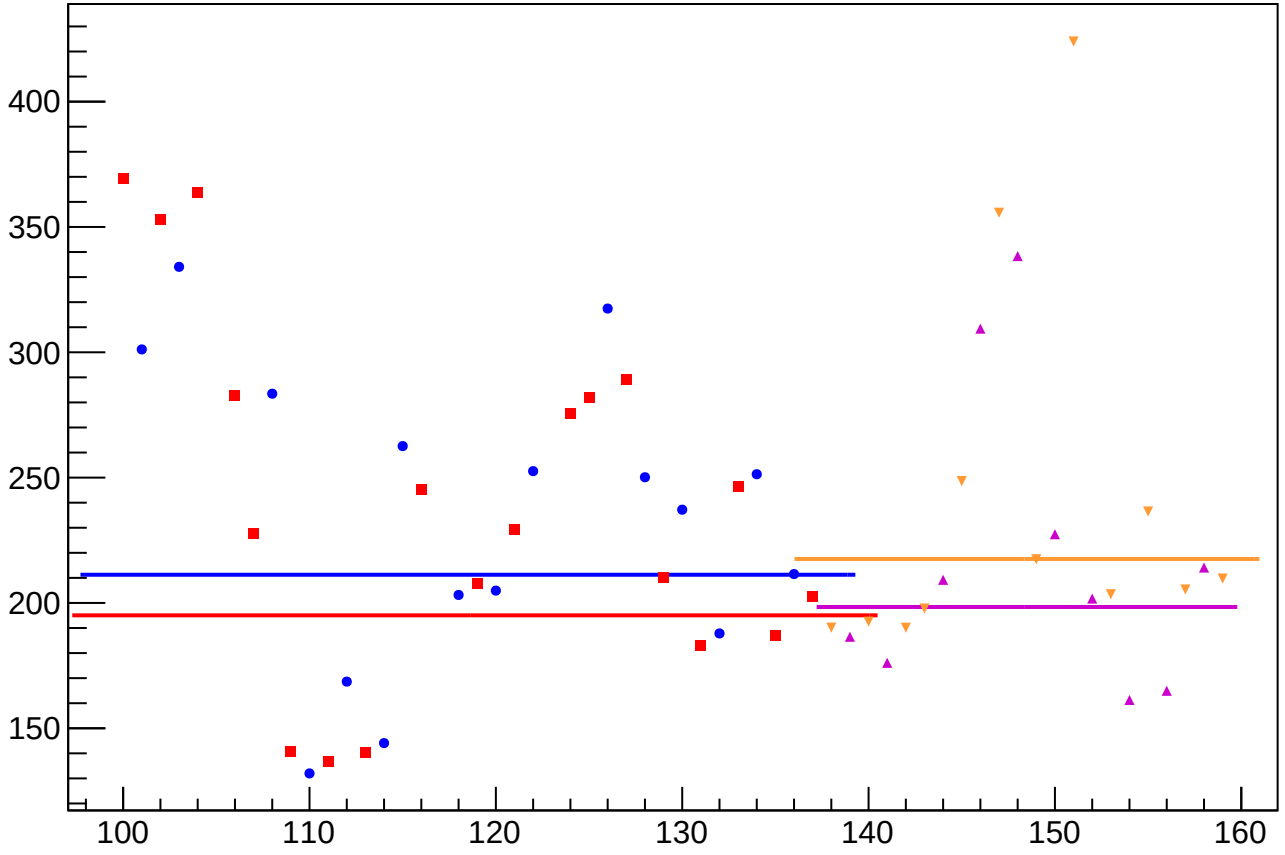
Left In: 30.218+/-70.585 χ^2/NDF:594.4/9

+ sign 435.547+/-54.730 χ^2/NDF: 1678.6/27

All: 471.938+/-37.587 χ^2/NDF: 2848.9/56

- sign 504.424+/-51.710 χ^2/NDF: 1169.4/28

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

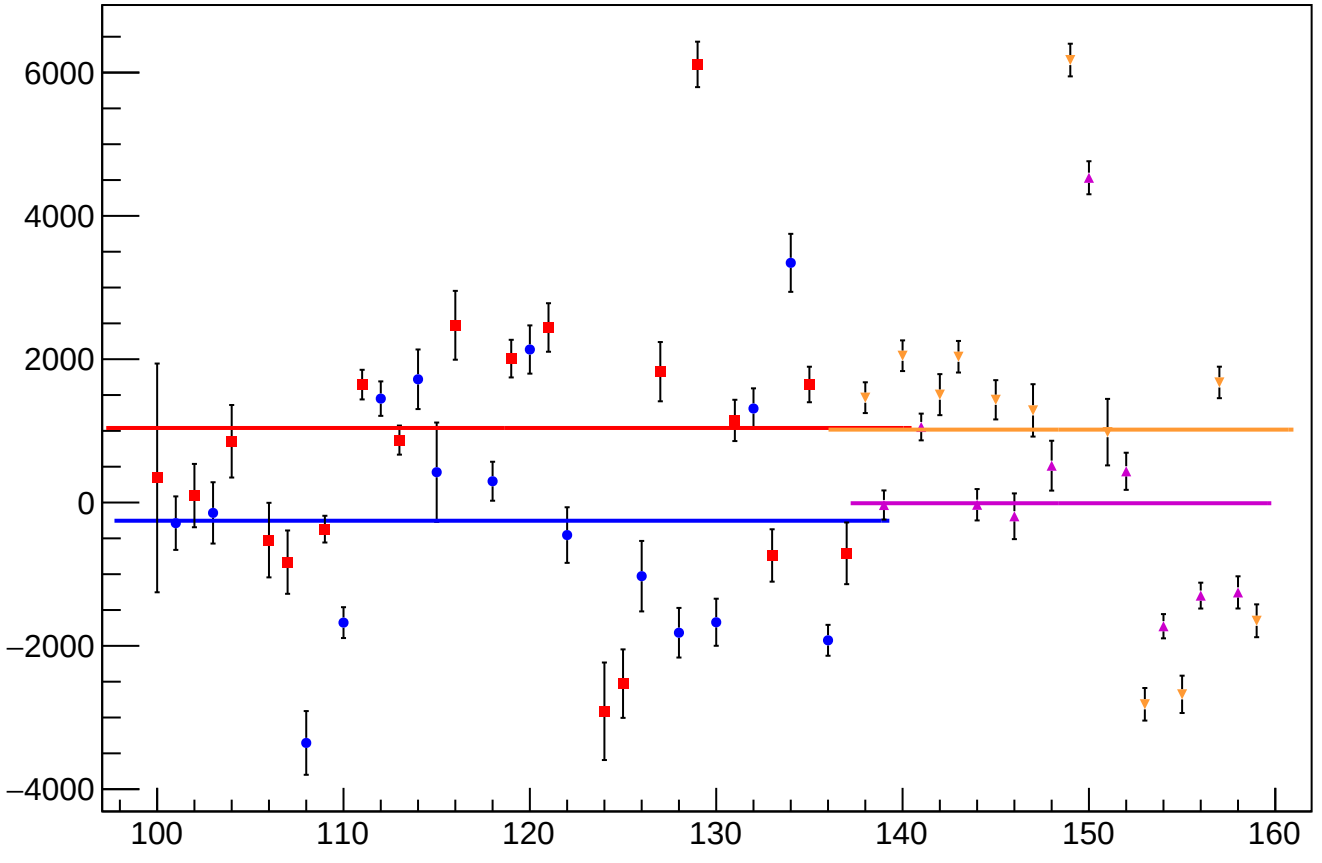
Left In: 198.385+/-0.050 χ^2/NDF:744448.3/9

+ sign 214.777+/-0.039 χ^2/NDF: 1661282.1/27

All: 205.303+/-0.027 χ^2/NDF: 3806108.6/56

- sign 196.845+/-0.037 χ^2/NDF: 2031382.5/28

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

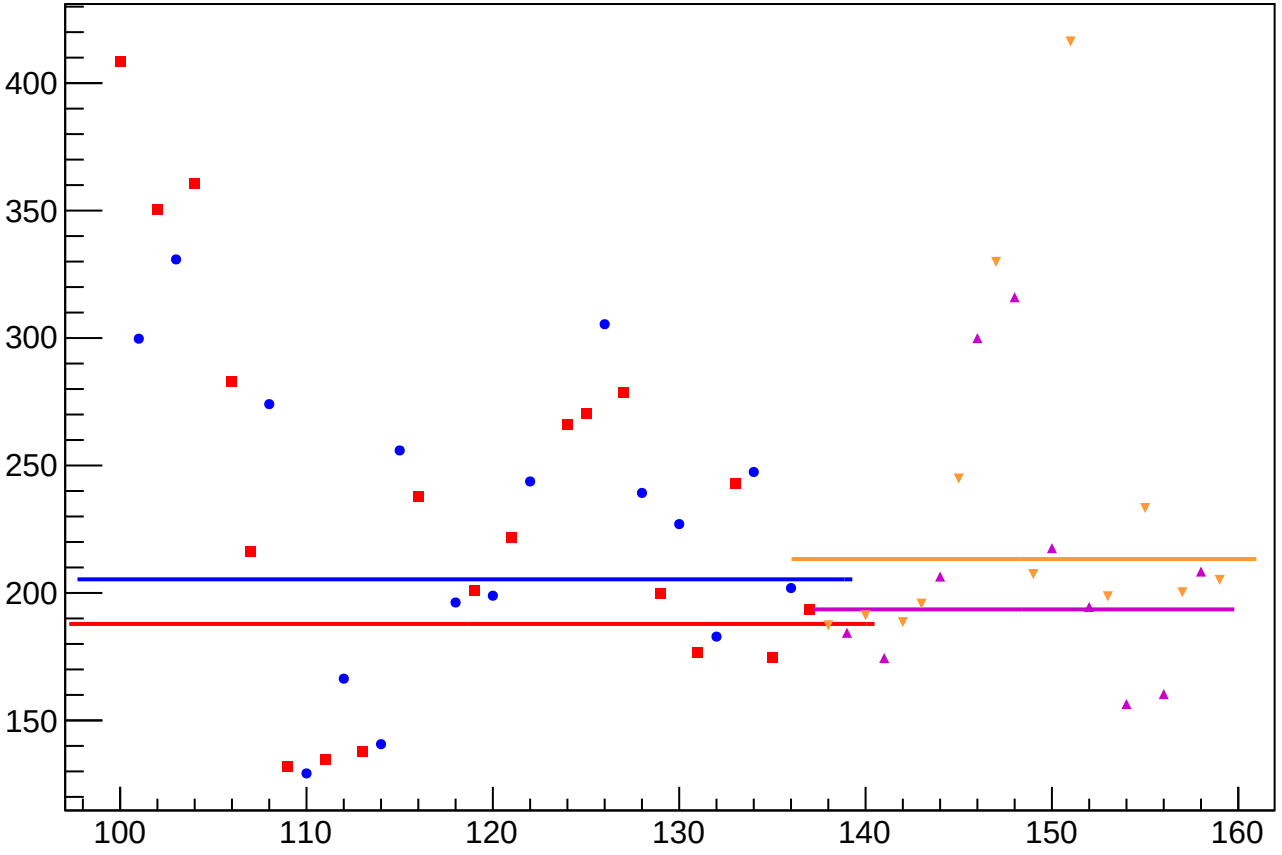
Left In: -9.866+/-68.832 χ^2/NDF:610.8/9

+ sign 453.176+/-53.439 χ^2/NDF: 1768.4/27

All: 468.390+/-36.587 χ^2/NDF: 3021.7/56

- sign 481.814+/-50.197 χ^2/NDF: 1253.2/28

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

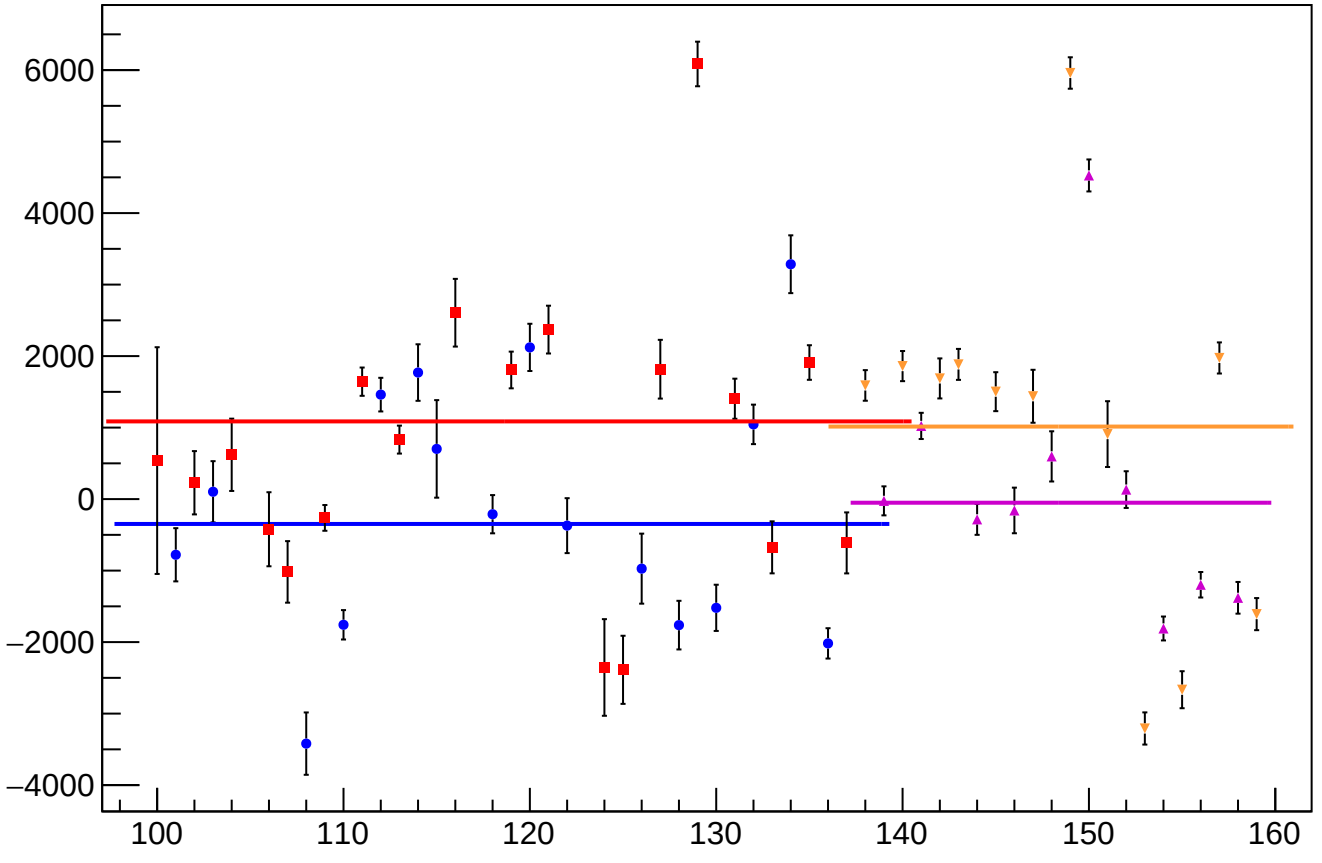
Left In: 193.552+/-0.049 χ^2/NDF:696671.7/9

+ sign 209.771+/-0.038 χ^2/NDF: 1610304.2/27

All: 199.736+/-0.026 χ^2/NDF: 3783207.5/56

- sign 190.882+/-0.035 χ^2/NDF: 2040149.5/28

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

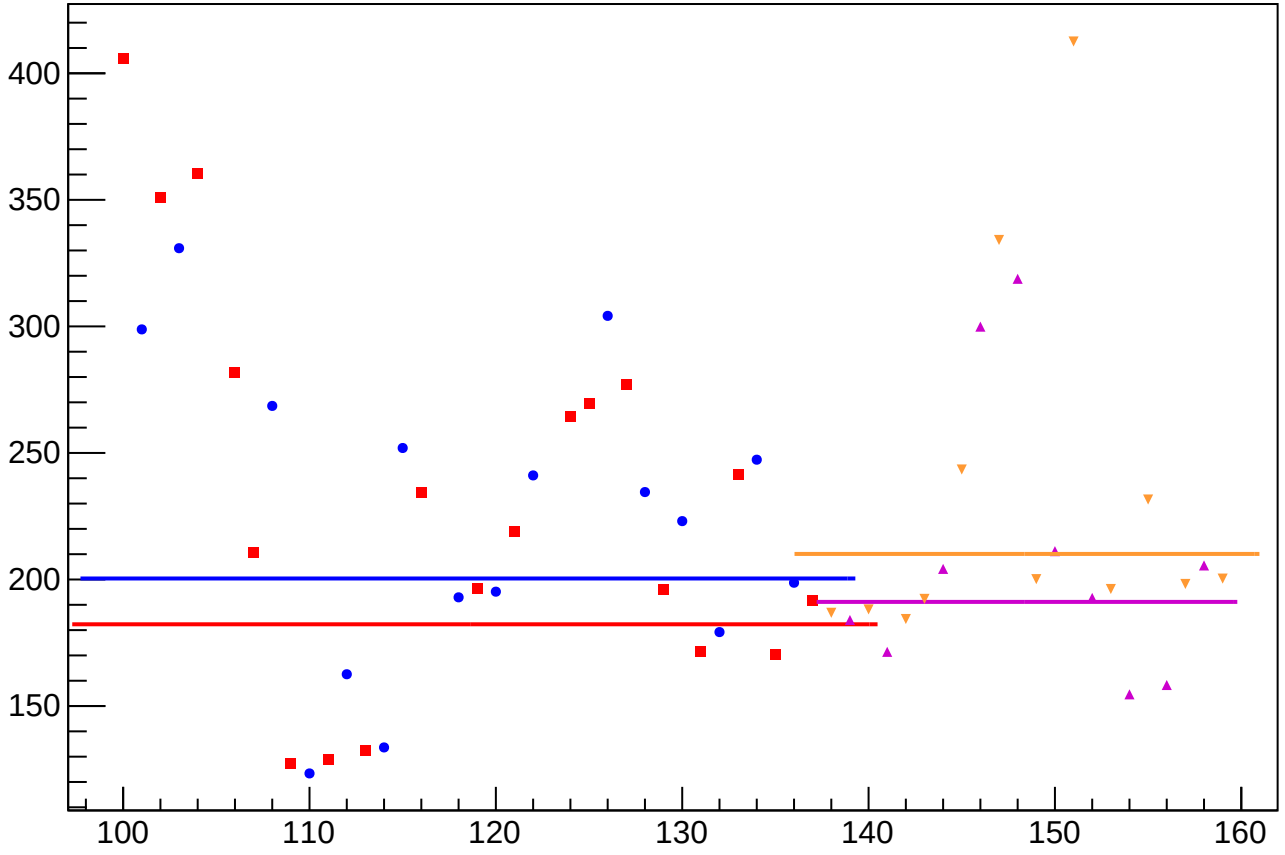
Left In: -50.712+/-68.033 χ^2/NDF:645.9/9

\+ sign 405.281+/-52.541 χ^2/NDF: 1877.7/27

All: 450.022+/-35.951 χ^2/NDF: 3184.9/56

\- sign 489.413+/-49.299 χ^2/NDF: 1305.8/28

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

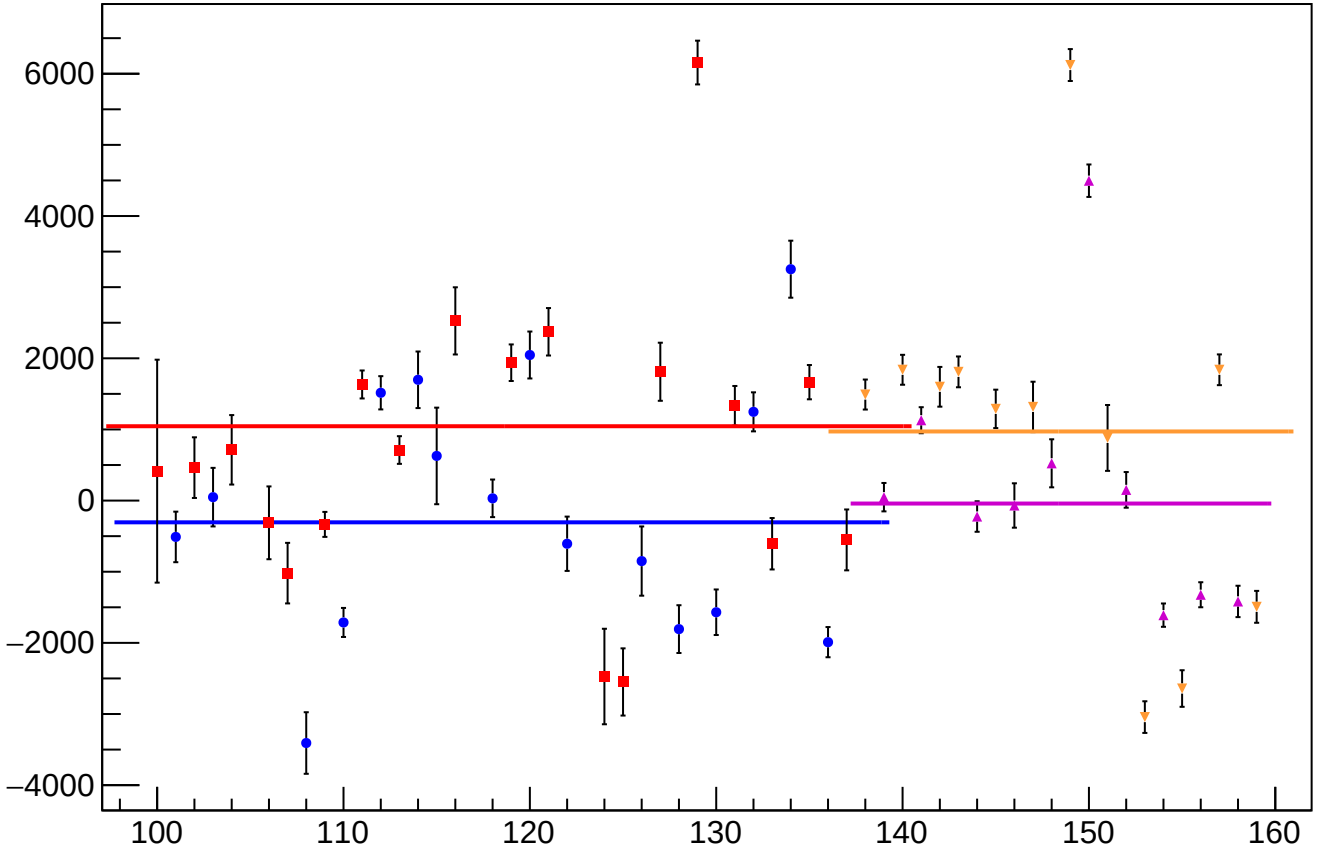
Left In: 191.150+/-0.048 χ^2/NDF:717760.3/9

+ sign 205.762+/-0.037 χ^2/NDF: 1728165.0/27

All: 195.757+/-0.025 χ^2/NDF: 4045573.4/56

- sign 186.948+/-0.035 χ^2/NDF: 2181023.3/28

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

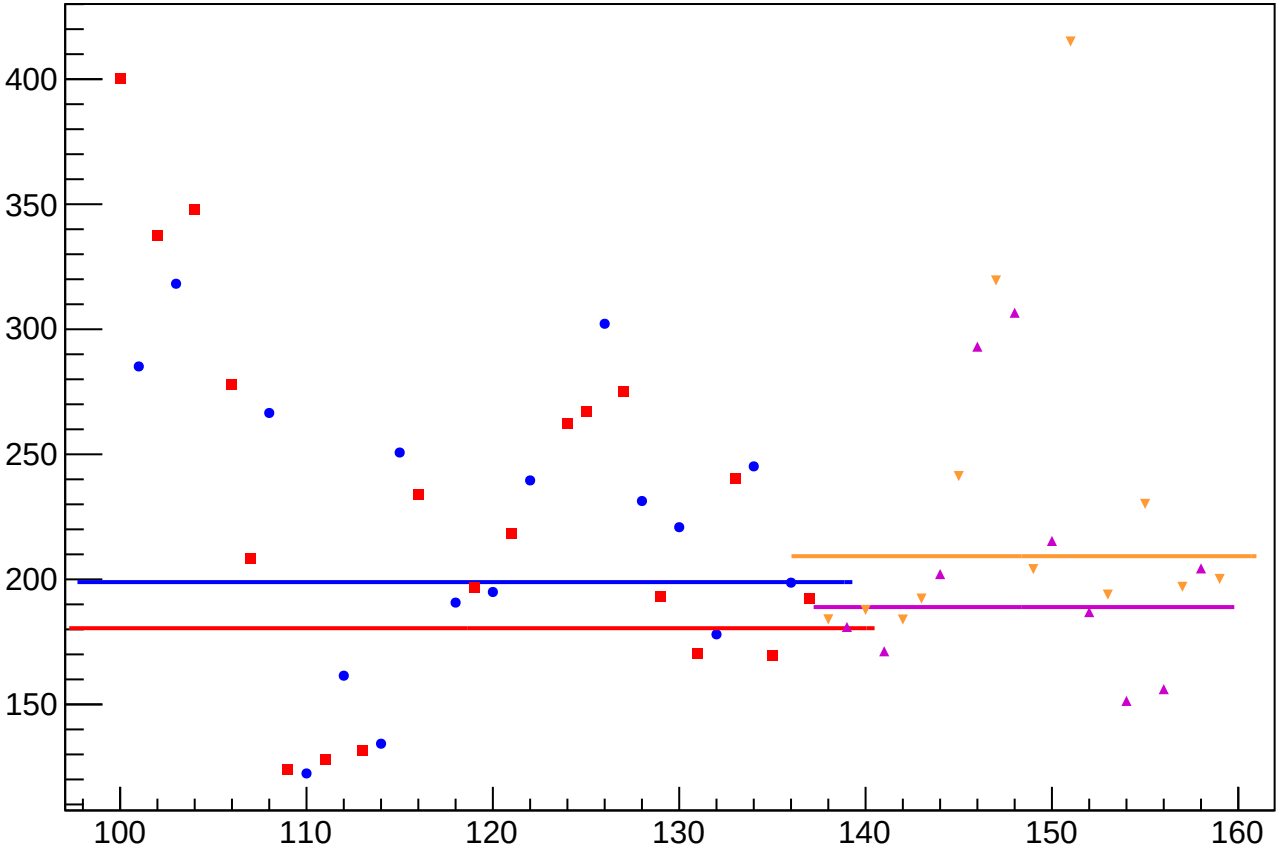
Left In: -41.532+/-67.279 χ^2/NDF:624.4/9

+ sign 397.706+/-52.199 χ^2/NDF: 1832.8/27

All: 438.401+/-35.640 χ^2/NDF: 3134.3/56

- sign 473.938+/-48.779 χ^2/NDF: 1300.3/28

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

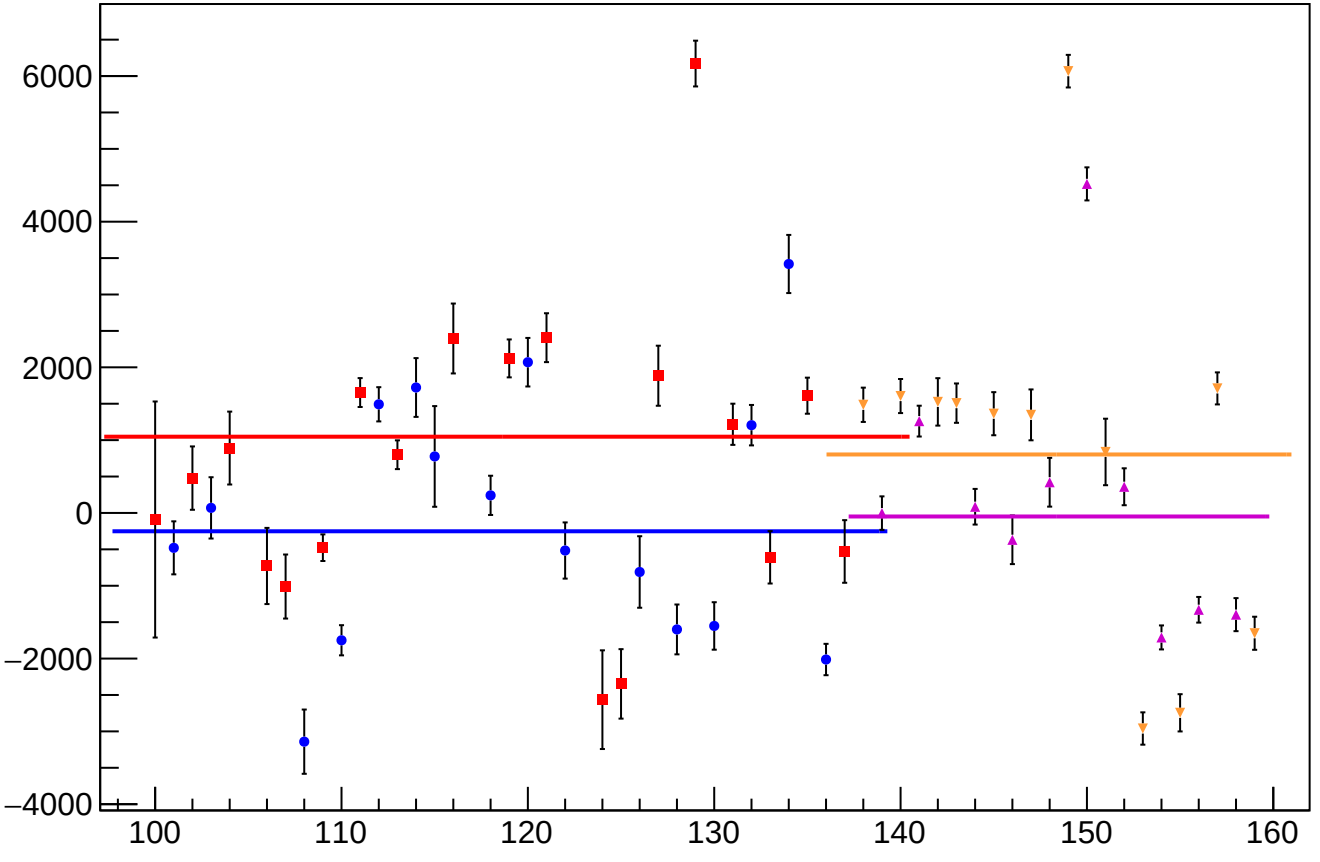
Left In: 188.922+/-0.048 χ^2/NDF:706443.6/9

+ sign 204.606+/-0.037 χ^2/NDF: 1661327.9/27

All: 194.094+/-0.025 χ^2/NDF: 3969116.8/56

- sign 184.914+/-0.034 χ^2/NDF: 2155842.9/28

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

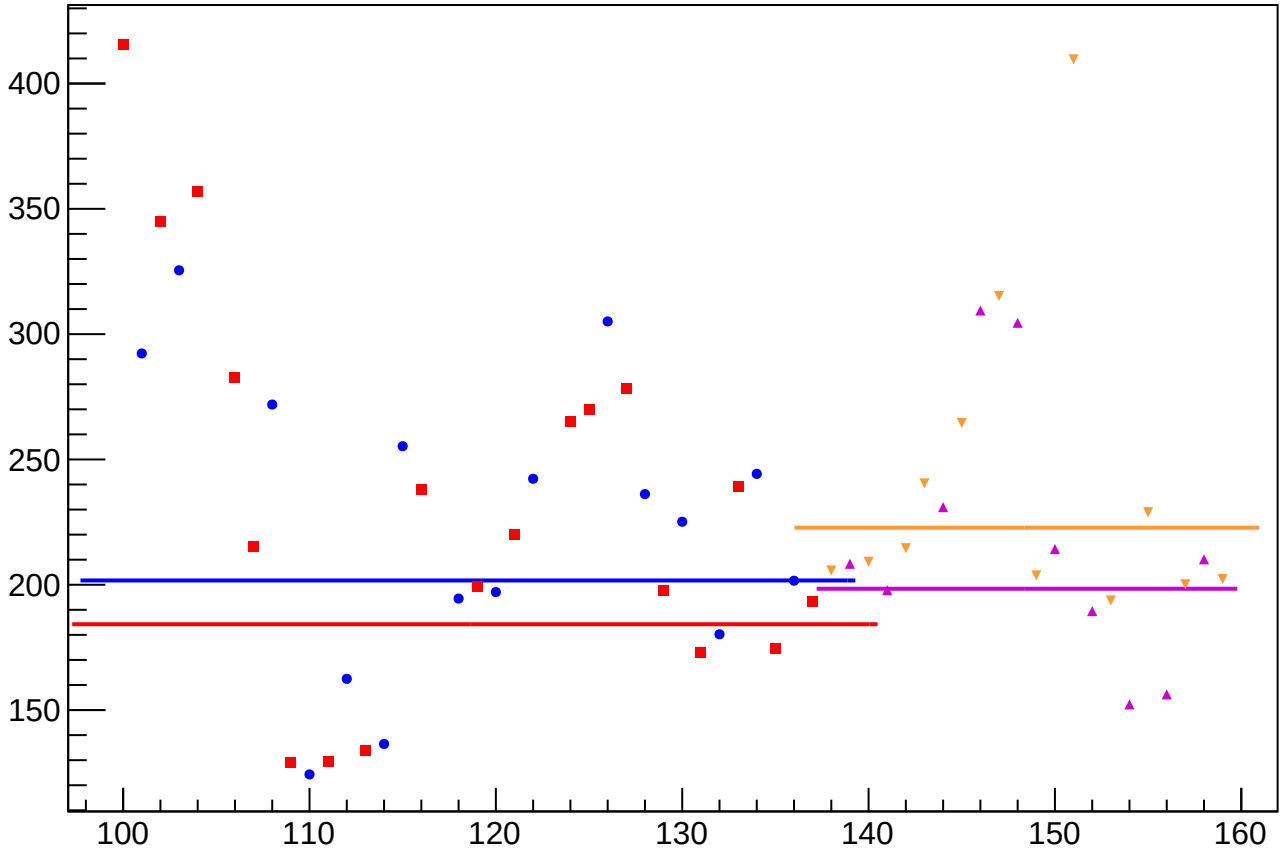
Left In: -48.673+/-70.851 χ^2/NDF:638.6/9

+ sign 305.191+/-54.256 χ^2/NDF: 1739.9/27

All: 403.544+/-36.991 χ^2/NDF: 3048.7/56

- sign 488.976+/-50.566 χ^2/NDF: 1302.7/28

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

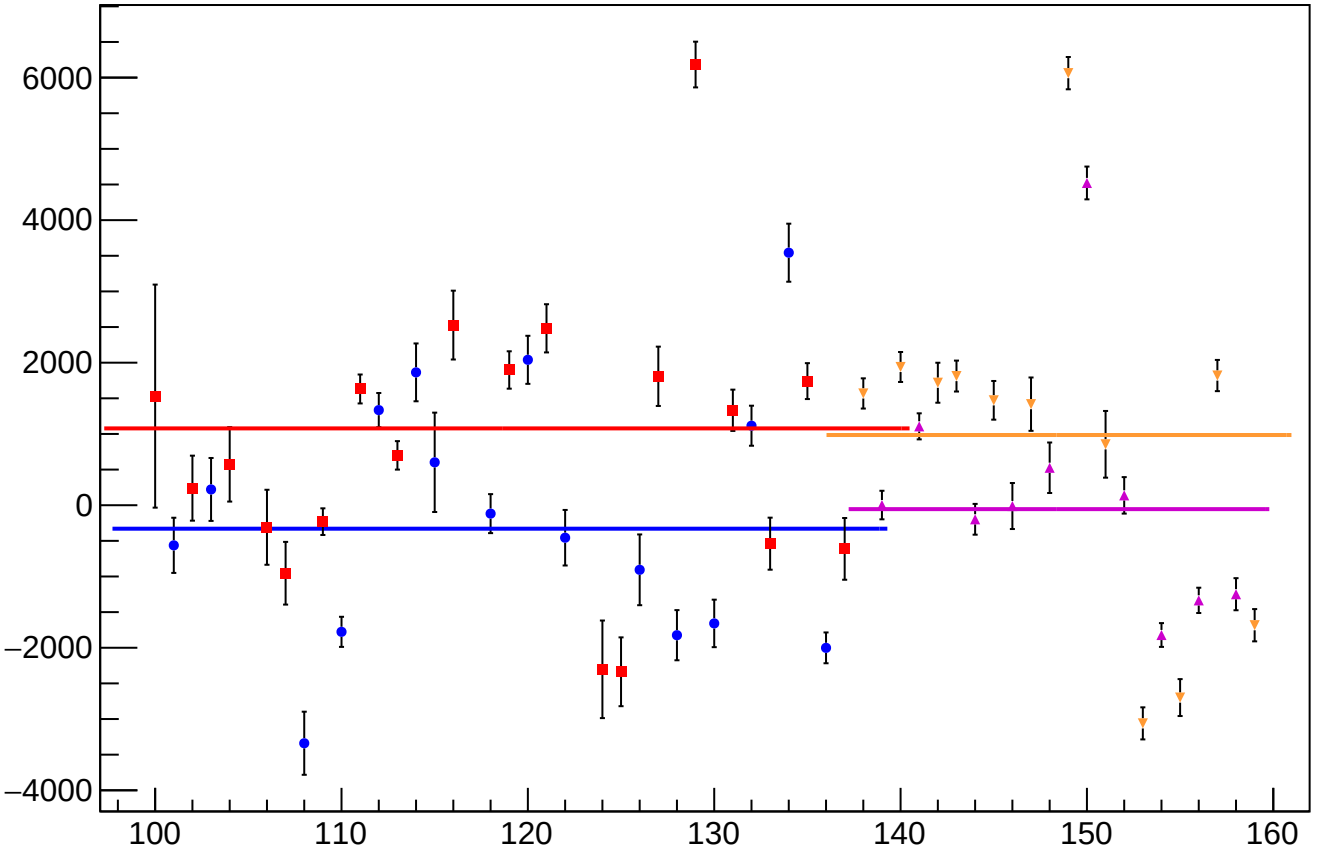
Left In: 198.408+/-0.050 χ^2/NDF:749596.3/9

+ sign 212.832+/-0.038 χ^2/NDF: 1628484.2/27

All: 201.394+/-0.026 χ^2/NDF: 3987156.5/56

- sign 191.458+/-0.036 χ^2/NDF: 2192575.0/28

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

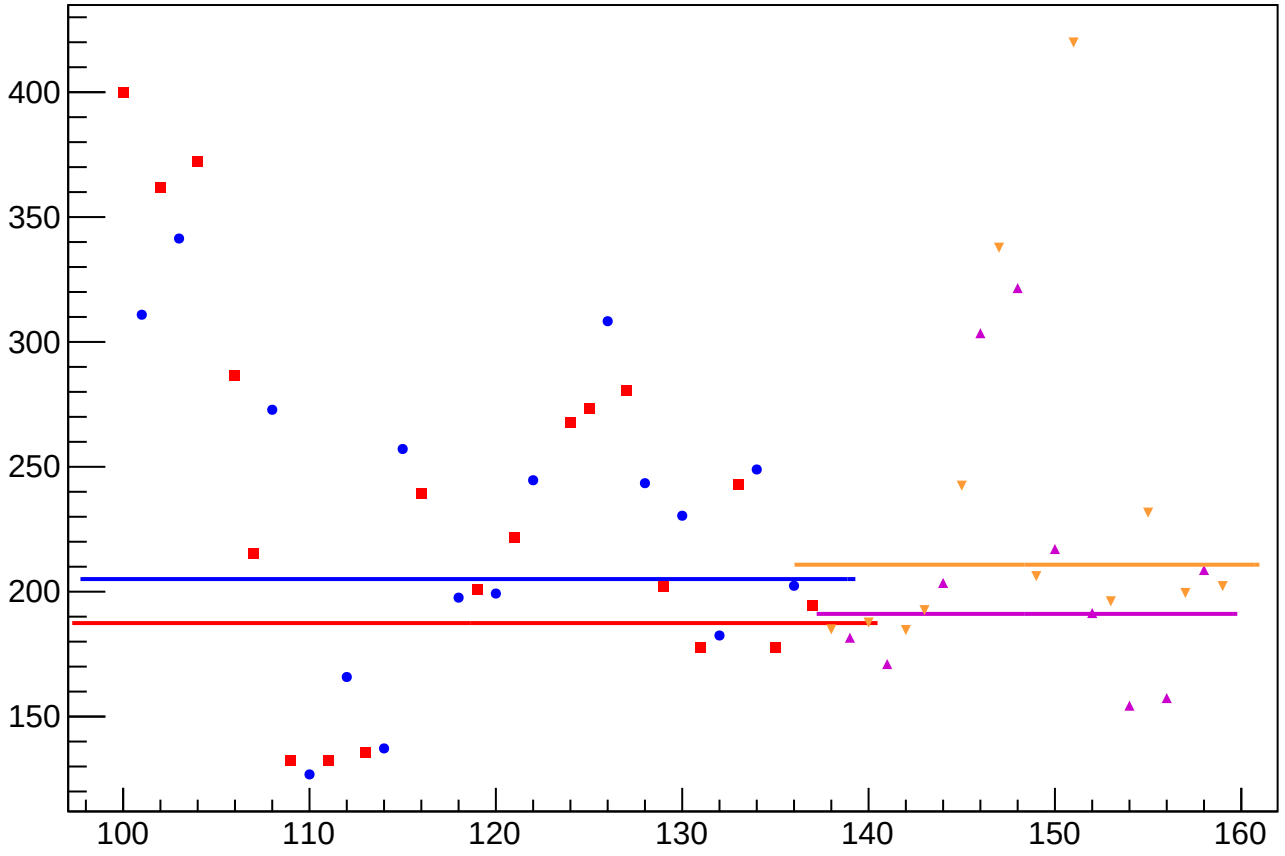
Left In: -54.864+/-68.136 χ^2/NDF:632.1/9

+ sign 409.221+/-53.195 χ^2/NDF: 1821.9/27

All: 441.209+/-36.408 χ^2/NDF: 3084.6/56

- sign 469.399+/-49.938 χ^2/NDF: 1262.0/28

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

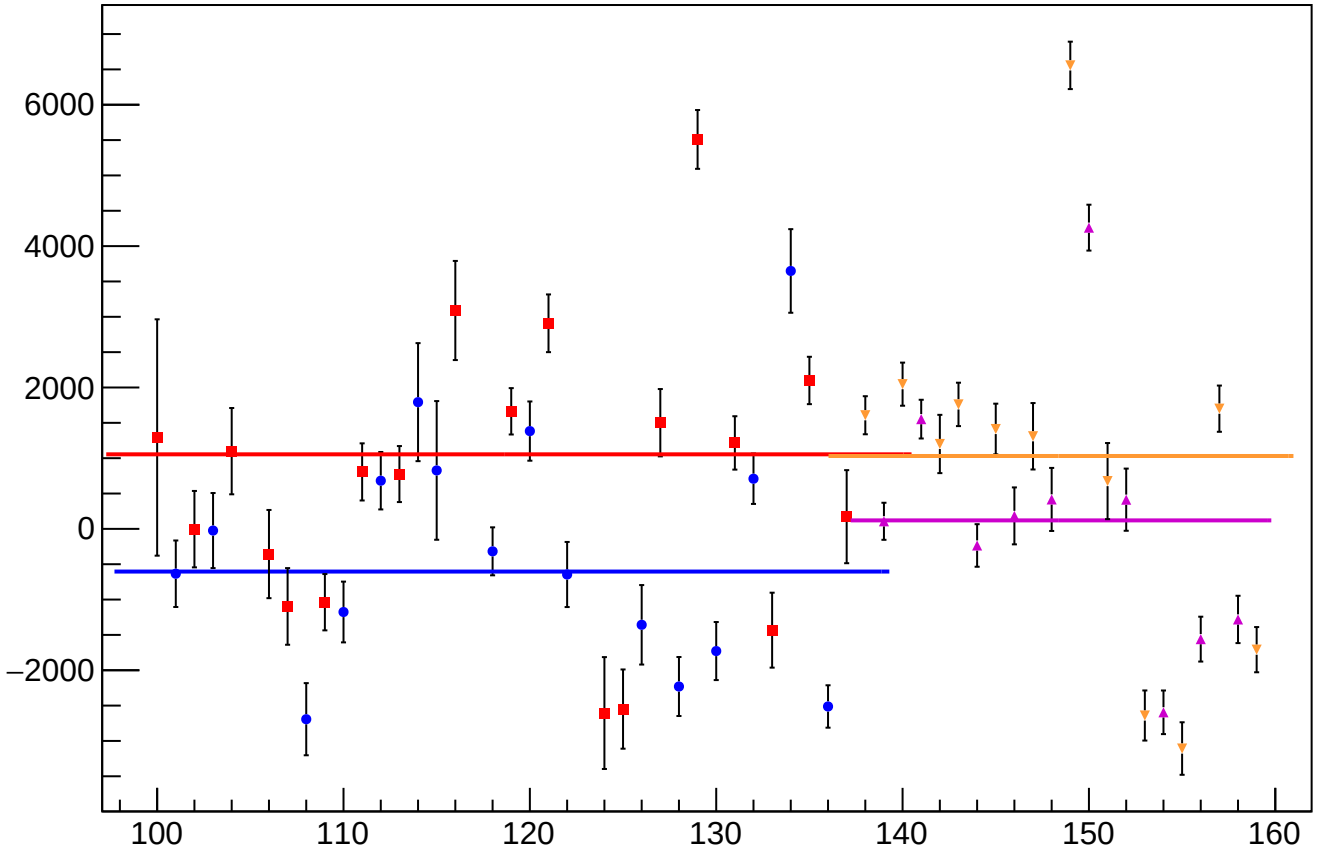
Left In: 191.110+/-0.048 χ^2/NDF:755559.2/9

+ sign 208.281+/-0.038 χ^2/NDF: 1741090.5/27

All: 198.249+/-0.026 χ^2/NDF: 4043980.9/56

- sign 189.407+/-0.035 χ^2/NDF: 2169059.5/28

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

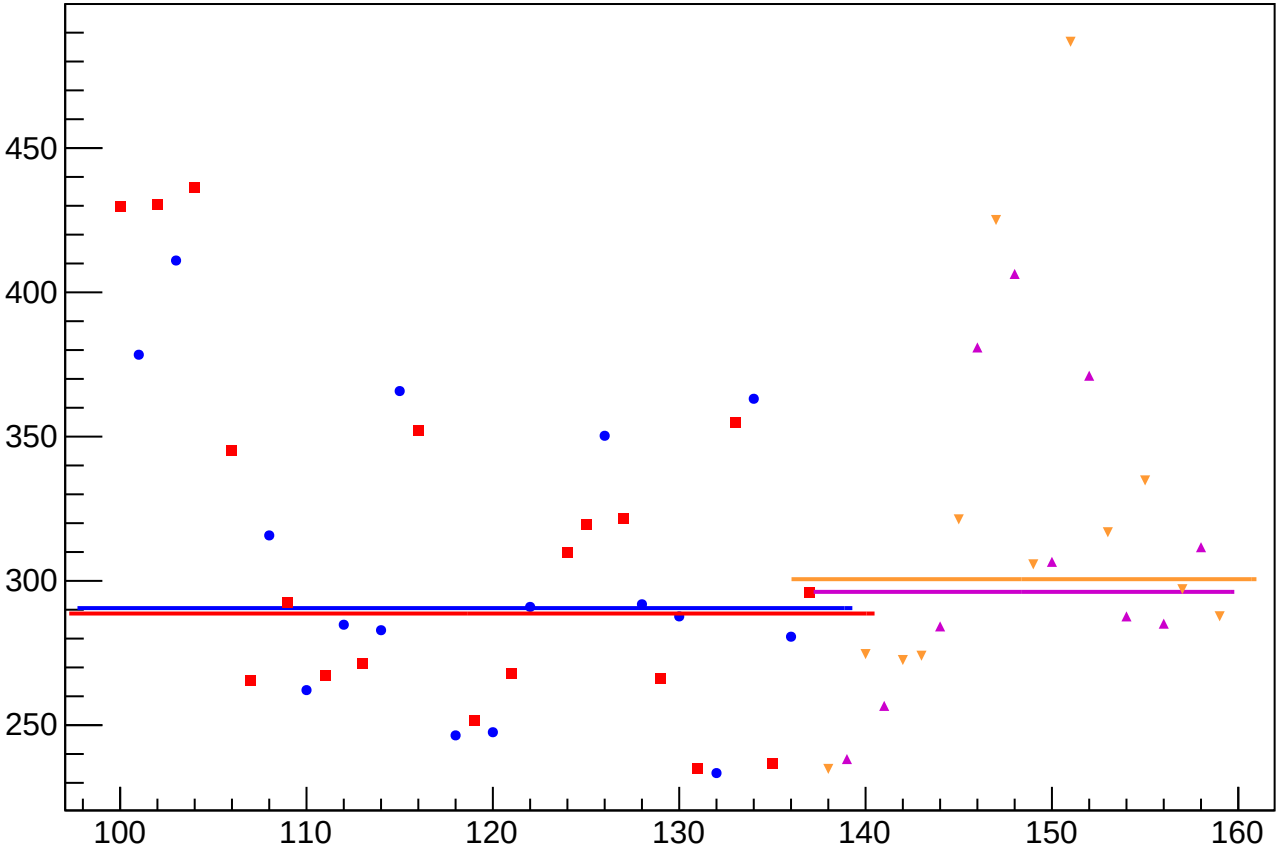
Left In: 119.987+/-103.069 χ^2/NDF:315.5/9

+ sign 296.426+/-74.199 χ^2/NDF: 917.5/27

All: 429.559+/-52.625 χ^2/NDF: 1576.2/56

- sign 564.313+/-74.650 χ^2/NDF: 652.2/28

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

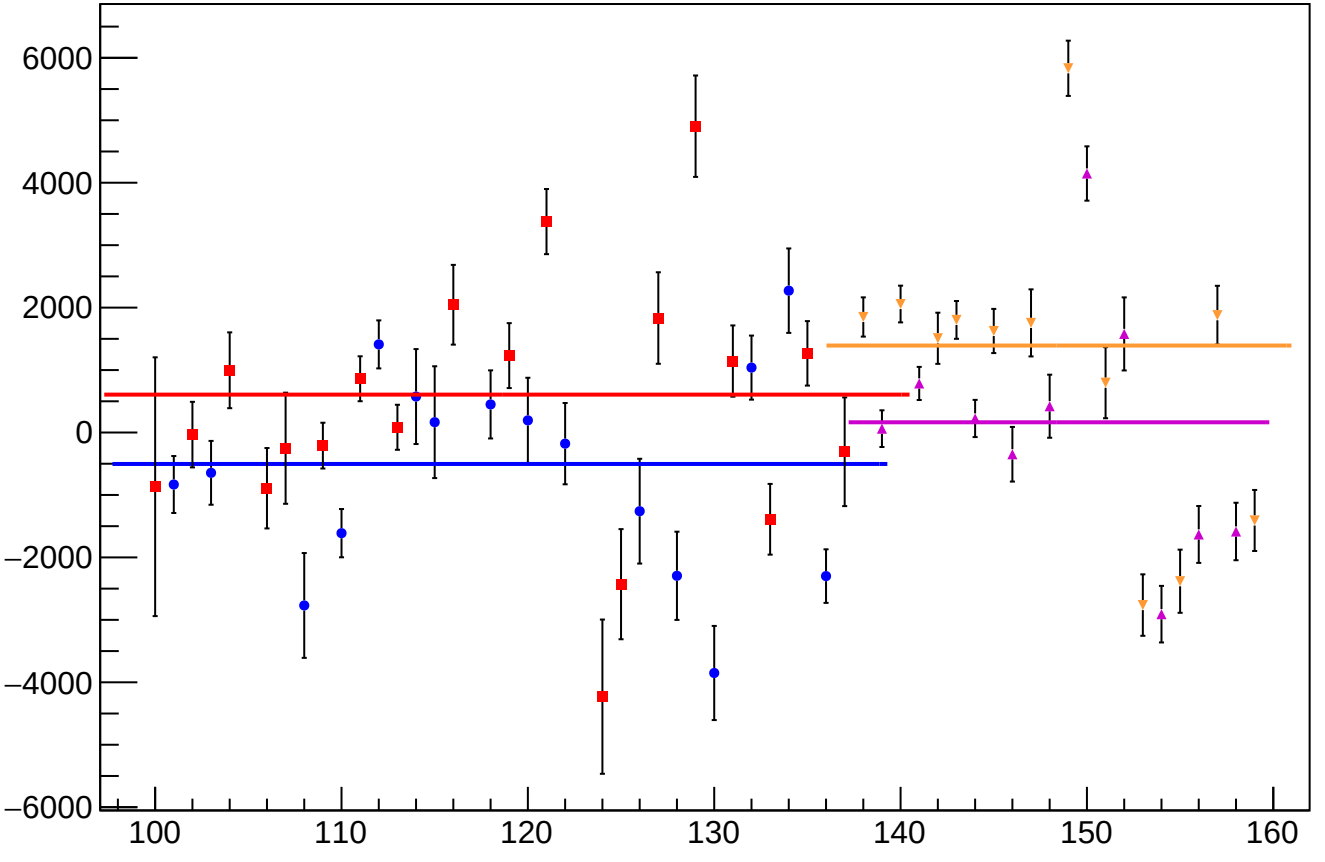
Left In: 296.192+/-0.073 χ^2/NDF:421380.5/9

+ sign 296.084+/-0.052 χ^2/NDF: 938327.6/27

All: 294.364+/-0.037 χ^2/NDF: 1856007.9/56

- sign 292.623+/-0.053 χ^2/NDF: 915517.7/28

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

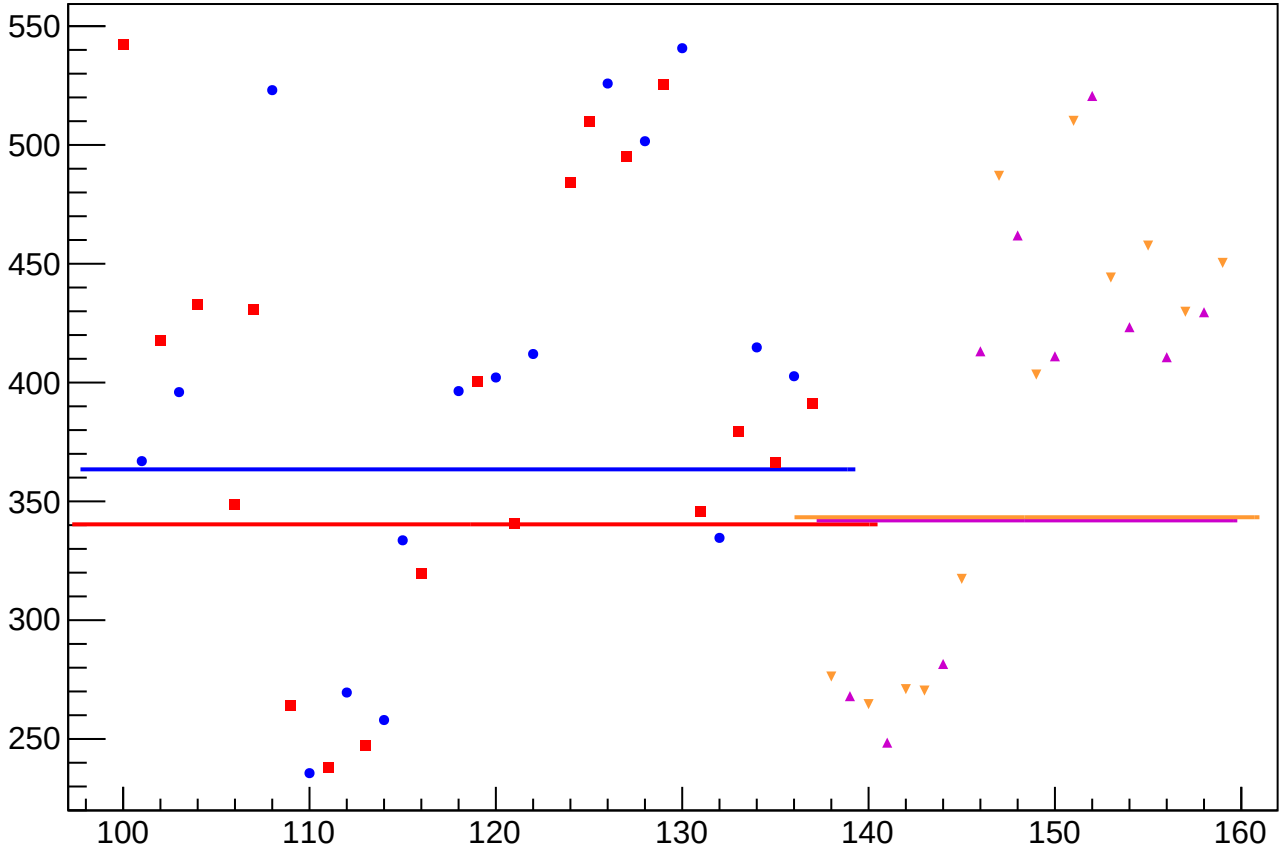
Left In: 163.768+/-120.505 χ^2/NDF:173.0/9

\+ sign 625.077+/-89.111 χ^2/NDF: 500.2/27

All: 495.910+/-62.705 χ^2/NDF: 808.8/56

\- sign 369.218+/-88.253 χ^2/NDF: 304.5/28

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

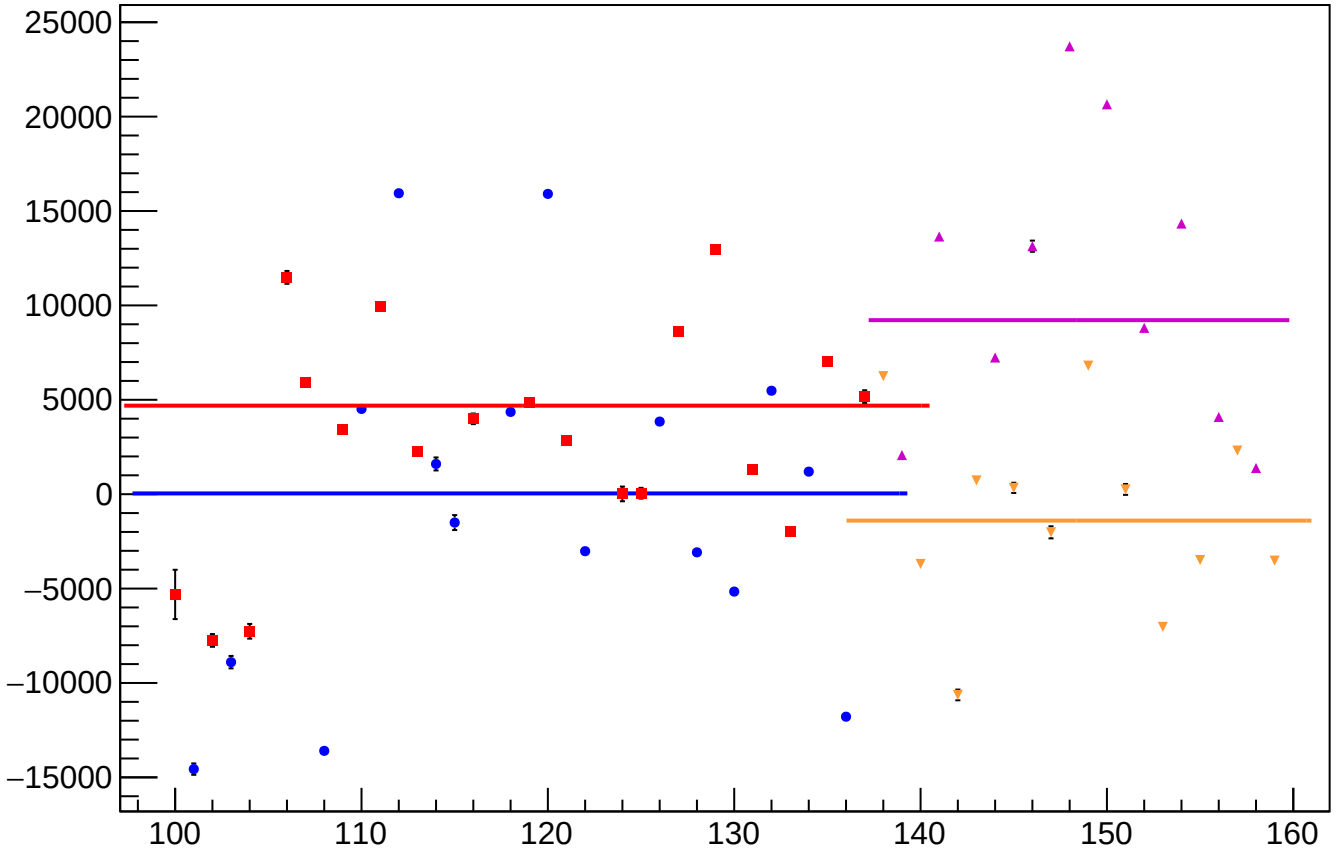
Left In: 341.994+/-0.085 χ^2/NDF:1043158.4/9

+ sign 351.477+/-0.063 χ^2/NDF: 1930532.6/27

All: 346.301+/-0.044 χ^2/NDF: 3843464.7/56

- sign 341.224+/-0.062 χ^2/NDF: 1899565.1/28

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

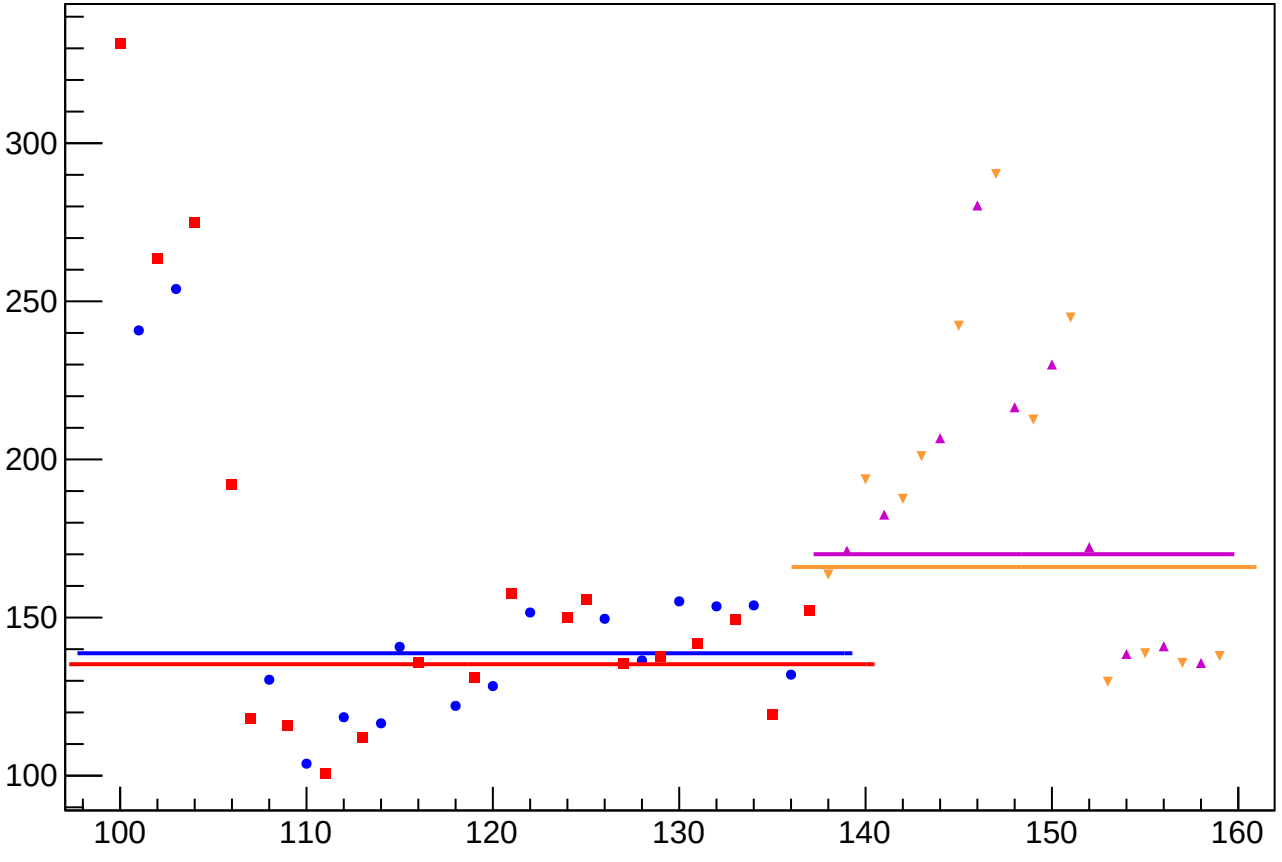
Left In: 9218.937+/-60.616 χ^2/NDF:12984.8/9

+ sign -652.273+/-39.022 χ^2/NDF: 37921.1/27

All: 2935.794+/-27.763 χ^2/NDF: 79034.1/56

- sign 6613.874+/-39.509 χ^2/NDF: 23991.7/28

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

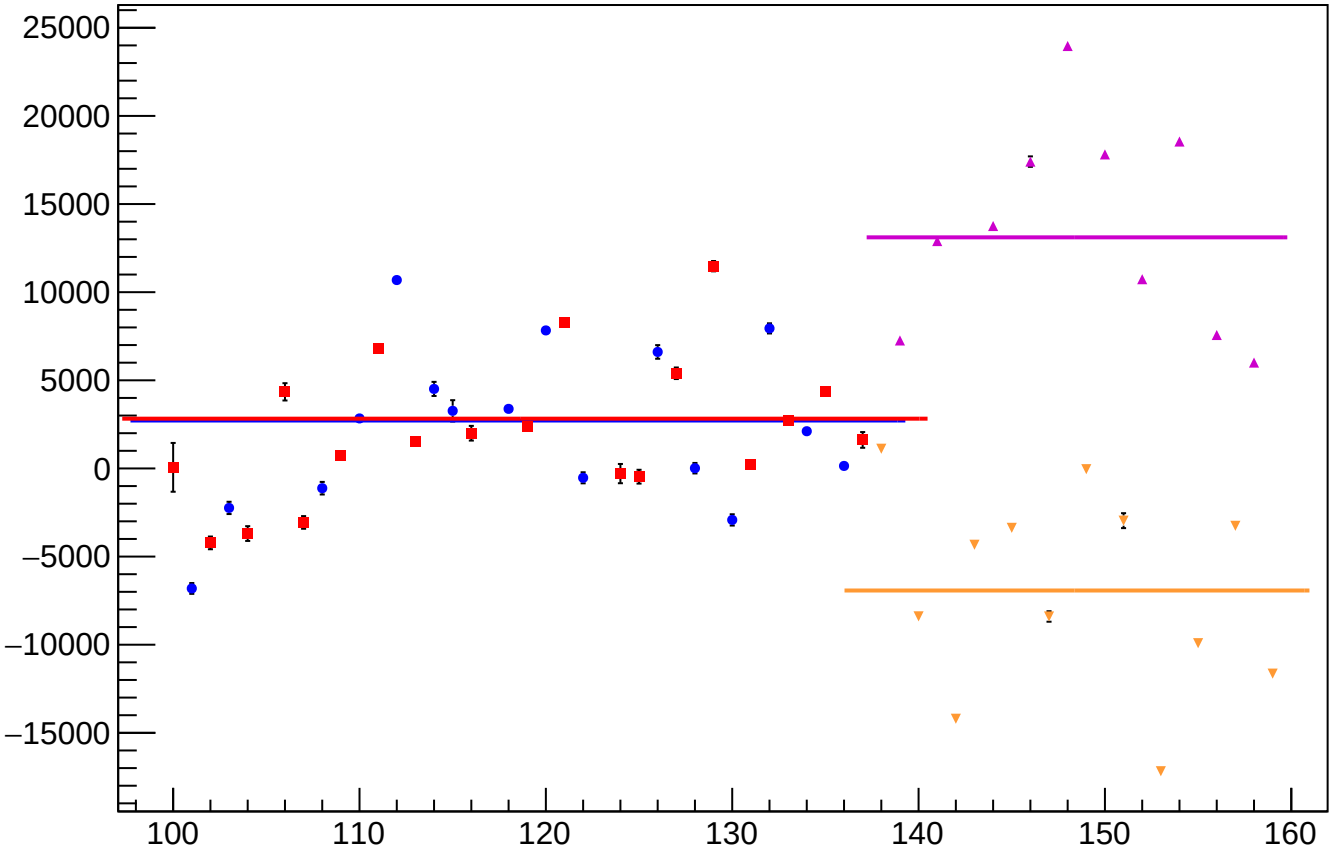
Left In: 170.038+/-0.043 χ^2/NDF:802836.4/9

+ sign 151.846+/-0.028 χ^2/NDF: 2027510.7/27

All: 150.947+/-0.020 χ^2/NDF: 4101513.8/56

- sign 150.026+/-0.028 χ^2/NDF: 2071856.0/28

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

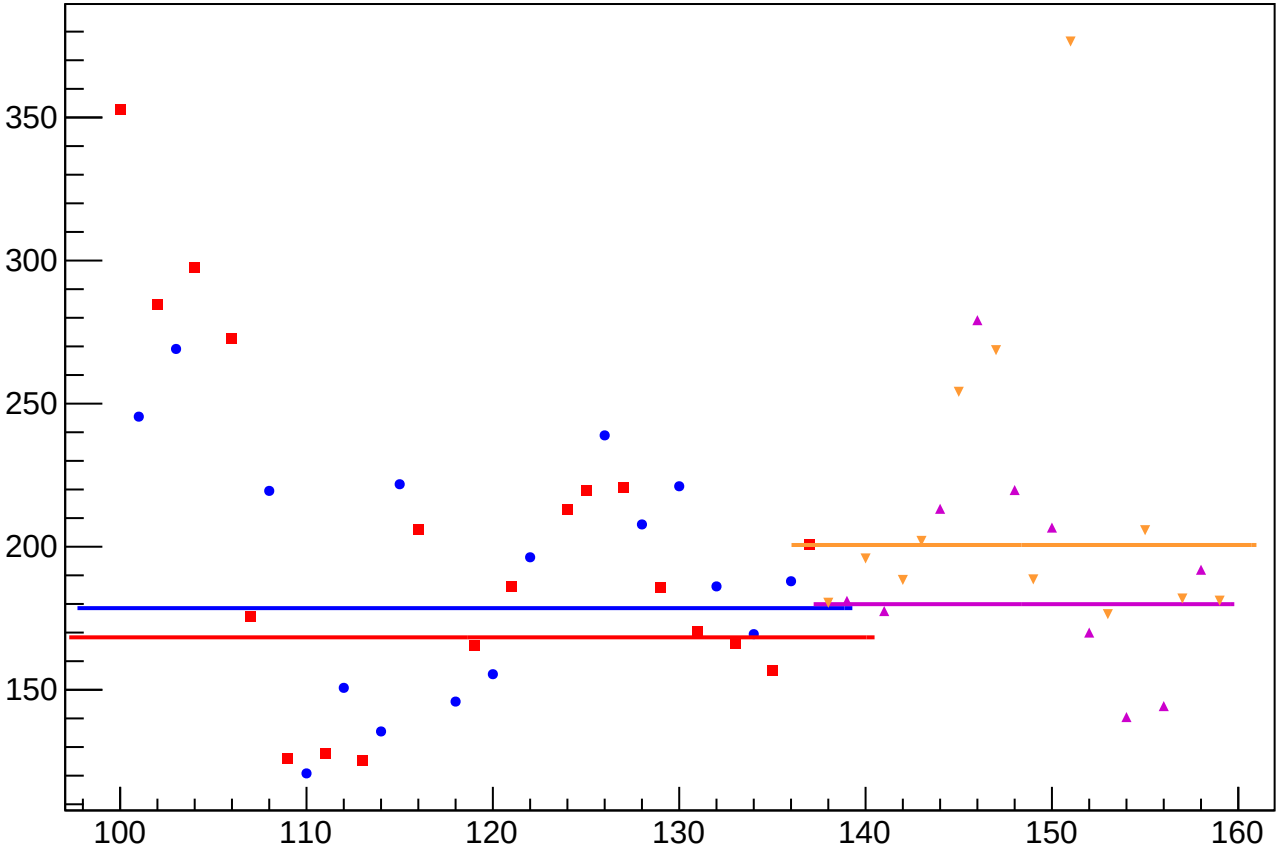
Left In: 13110.901+/-63.887 χ^2/NDF:7227.5/9

\+ sign -2250.697+/-48.206 χ^2/NDF: 21481.8/27

All: 3192.494+/-33.093 χ^2/NDF: 68656.2/56

\- sign 8044.212+/-45.512 χ^2/NDF: 23060.3/28

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

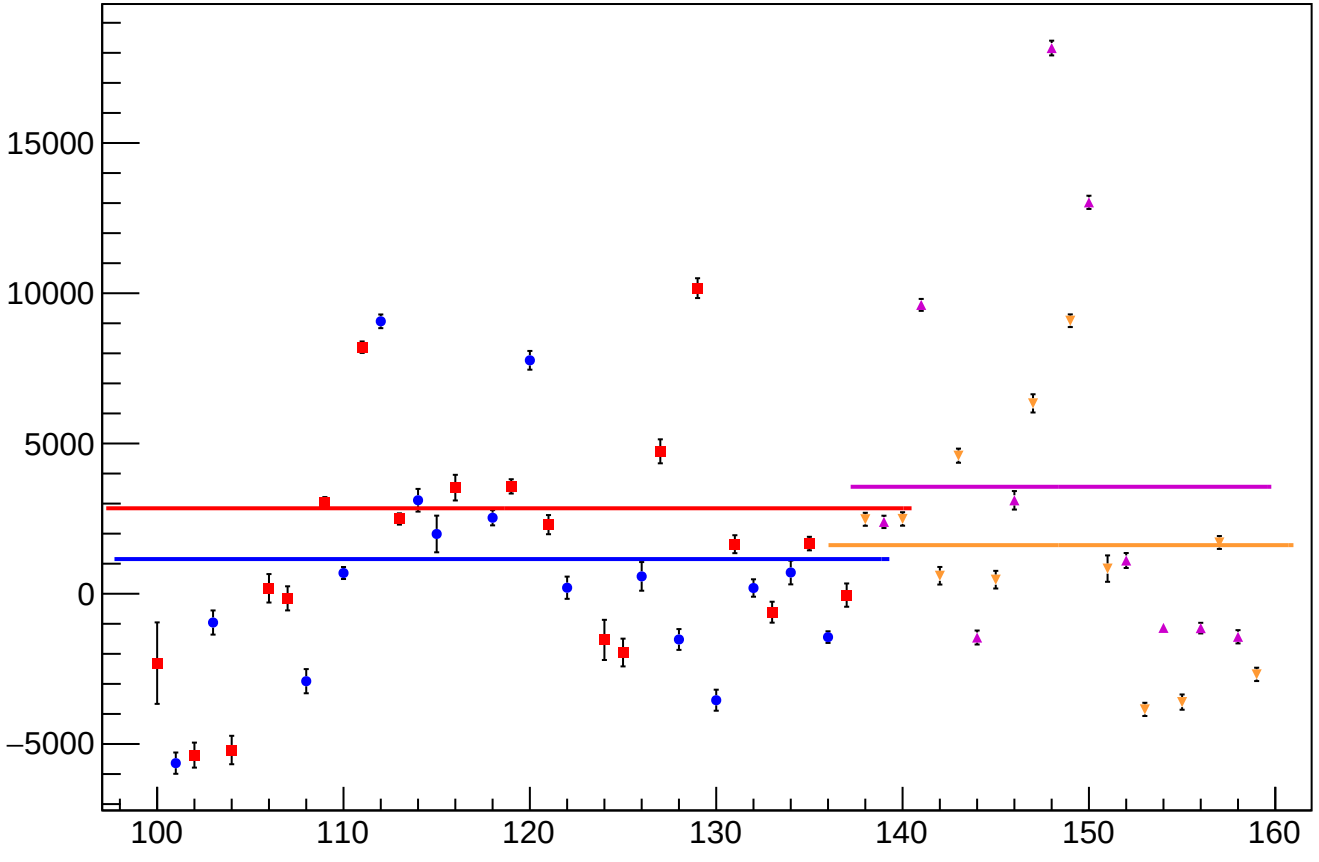
Left In: 179.927+/-0.045 χ^2/NDF:592338.2/9

+ sign 189.913+/-0.034 χ^2/NDF: 1396304.5/27

All: 181.614+/-0.023 χ^2/NDF: 3112657.6/56

- sign 174.218+/-0.032 χ^2/NDF: 1604257.2/28

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

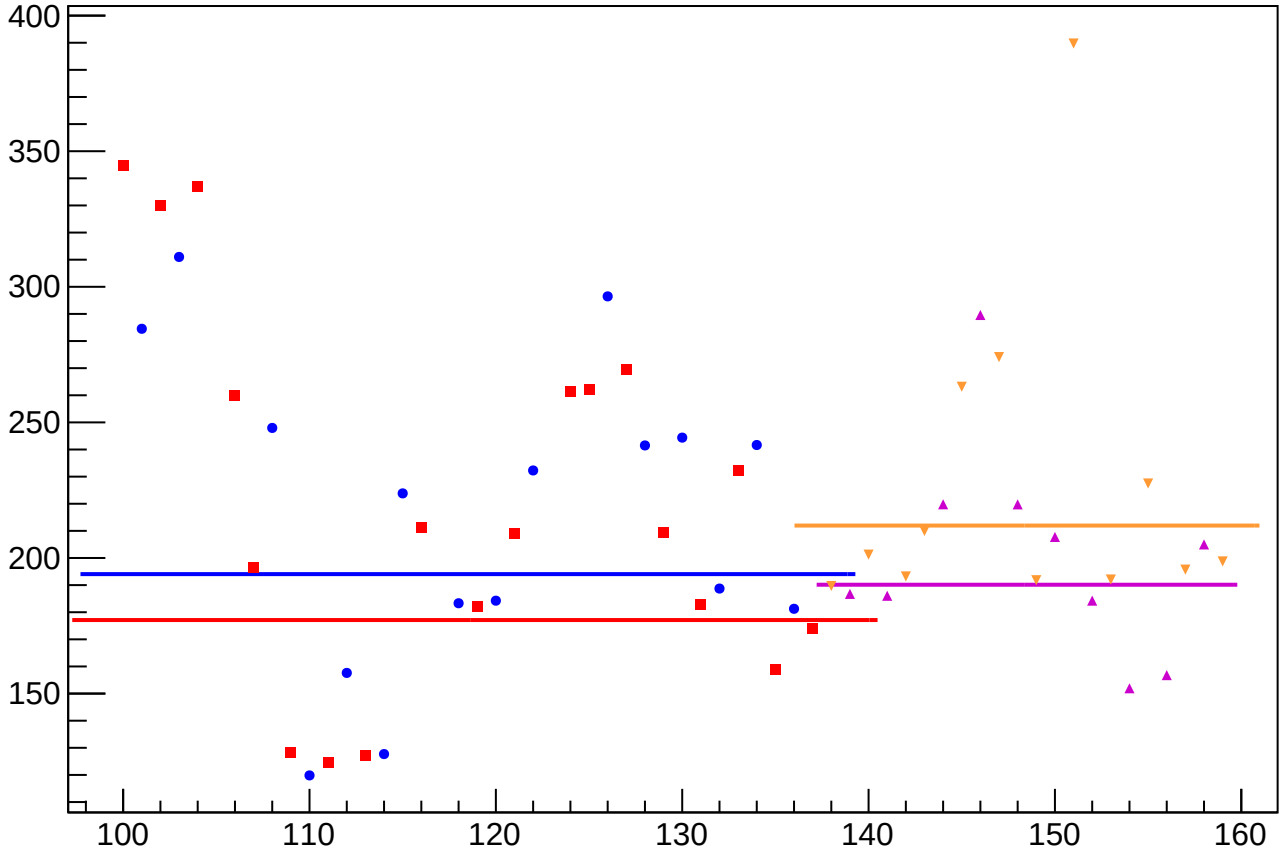
Left In: 3559.811+/-67.313 χ^2/NDF:8940.6/9

+ sign 1401.511+/-51.819 χ^2/NDF: 5806.2/27

All: 2371.317+/-35.305 χ^2/NDF: 17908.7/56

- sign 3211.431+/-48.230 χ^2/NDF: 11448.8/28

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

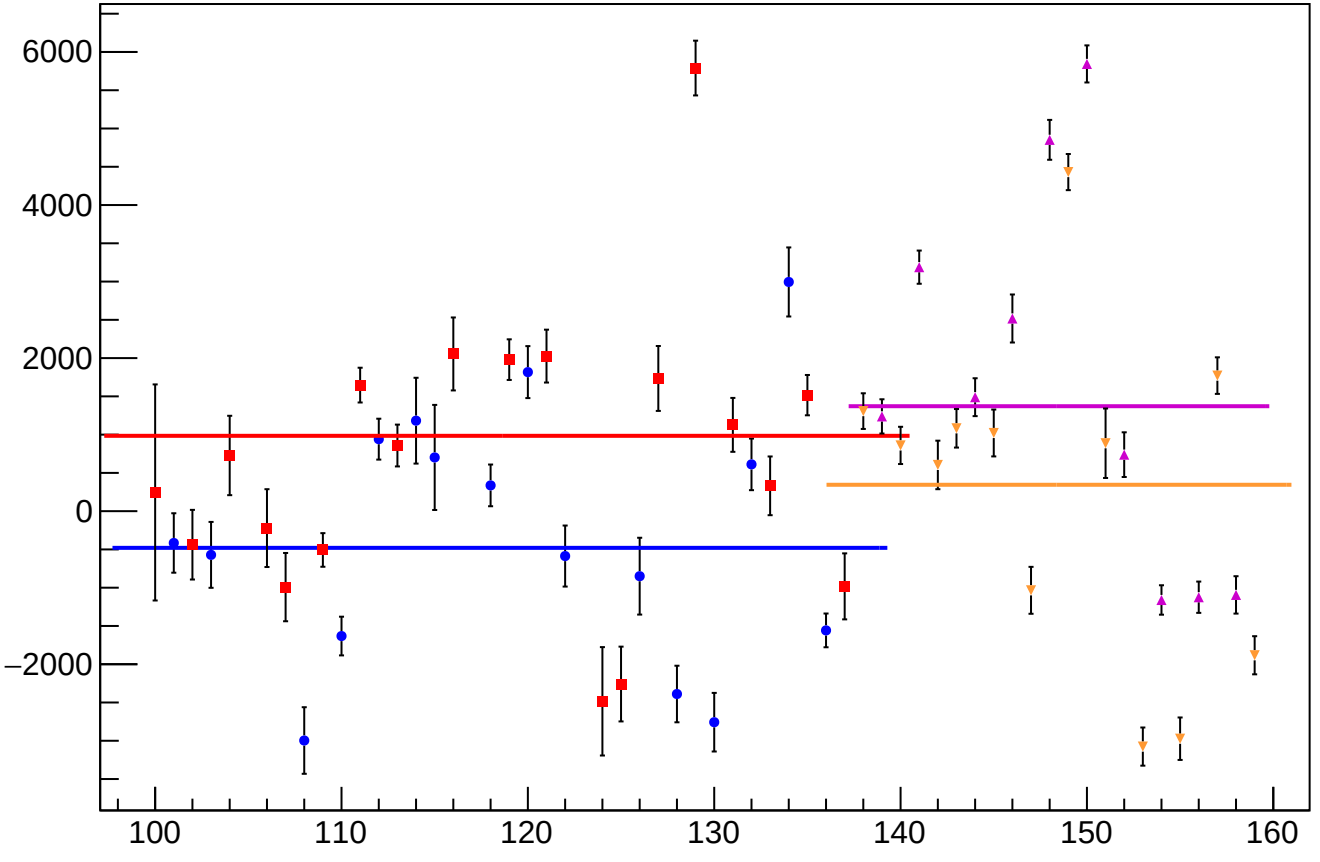
Left In: 190.137+/-0.048 χ^2/NDF:473246.4/9

+ sign 203.625+/-0.037 χ^2/NDF: 1591657.2/27

All: 193.003+/-0.025 χ^2/NDF: 3617526.5/56

- sign 183.800+/-0.034 χ^2/NDF: 1869017.4/28

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

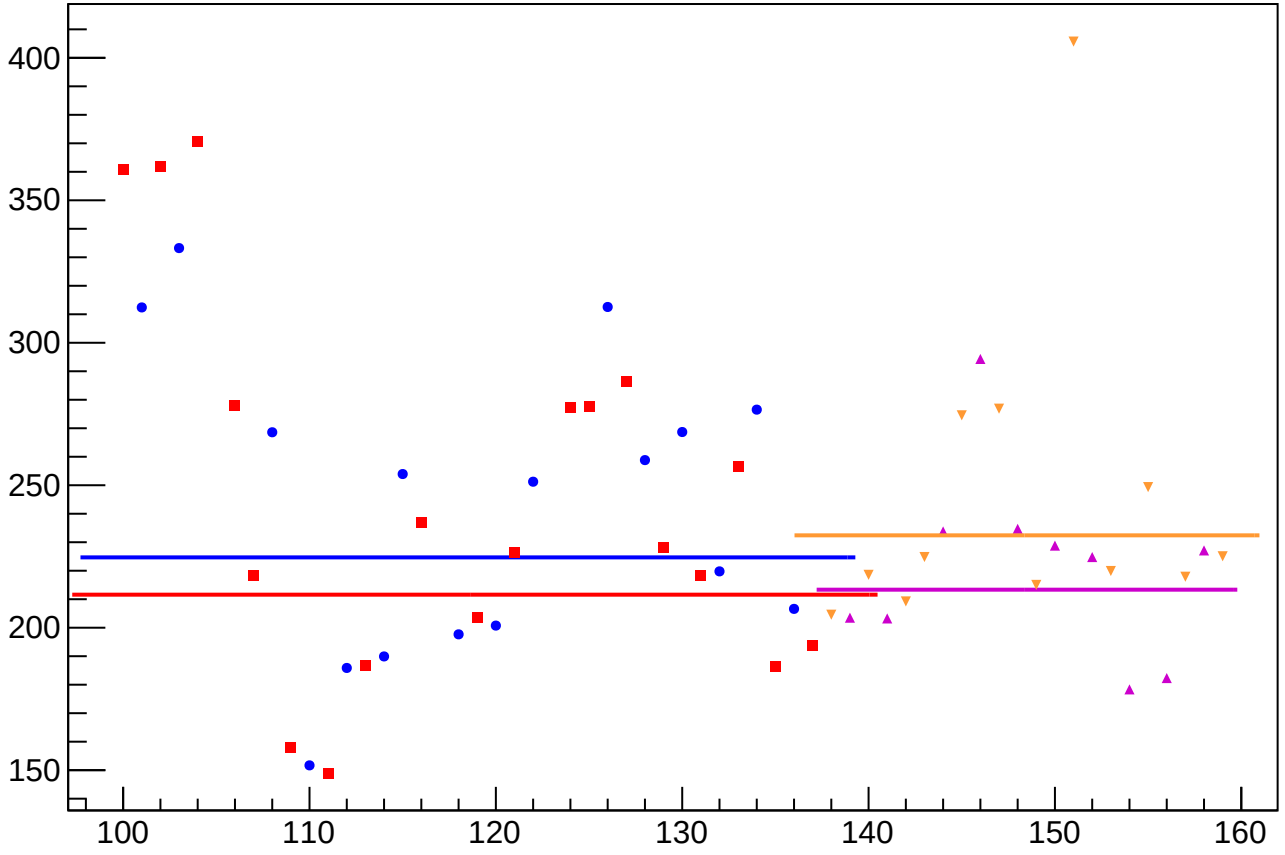
Left In: 1371.372+/-74.745 χ^2/NDF:1032.4/9

+ sign -19.608+/-57.645 χ^2/NDF: 1159.6/27

All: 616.266+/-39.761 χ^2/NDF: 2834.6/56

- sign 1193.318+/-54.914 χ^2/NDF: 1442.9/28

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

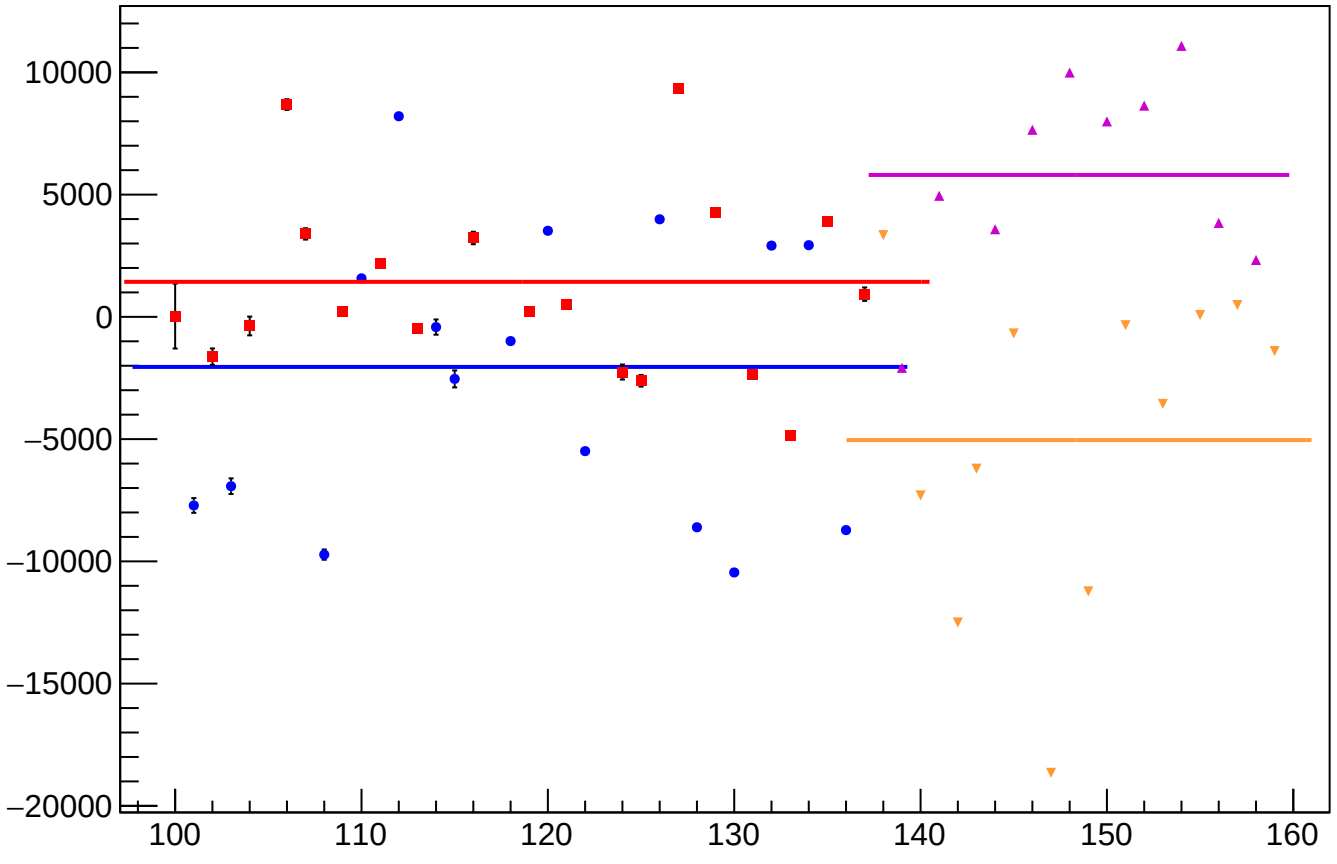
Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 213.346+/-0.053 χ^2/NDF:298376.5/9

+ sign 228.998+/-0.041 χ^2/NDF: 1113719.2/27

All: 220.370+/-0.028 χ^2/NDF: 2430964.1/56

- sign 212.540+/-0.039 χ^2/NDF: 1231784.2/28



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

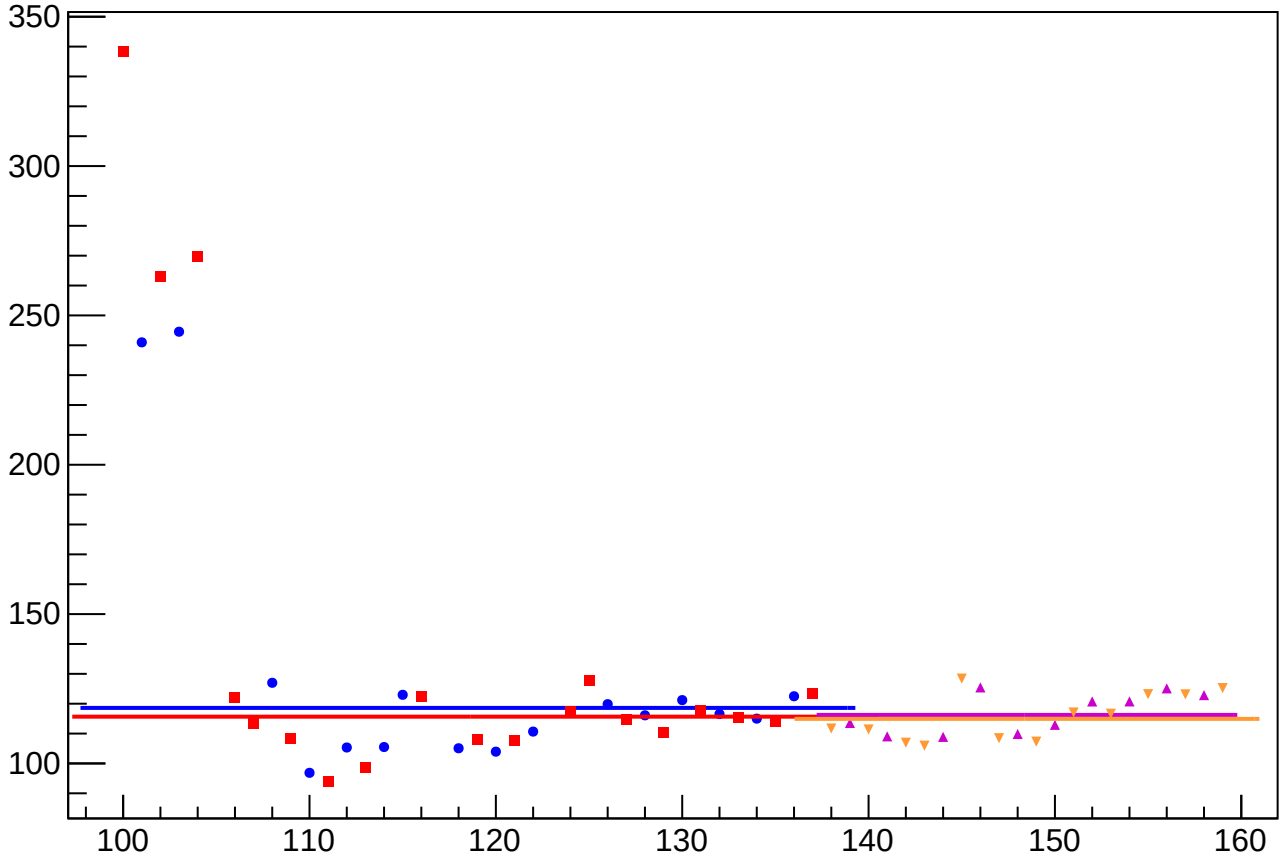
Left In: 5804.233+/-39.942 χ^2/NDF:9005.0/9

+ sign -3857.155+/-29.373 χ^2/NDF: 47579.9/27

All: -50.895+/-20.917 χ^2/NDF: 102354.0/56

- sign 3864.917+/-29.792 χ^2/NDF: 20706.5/28

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

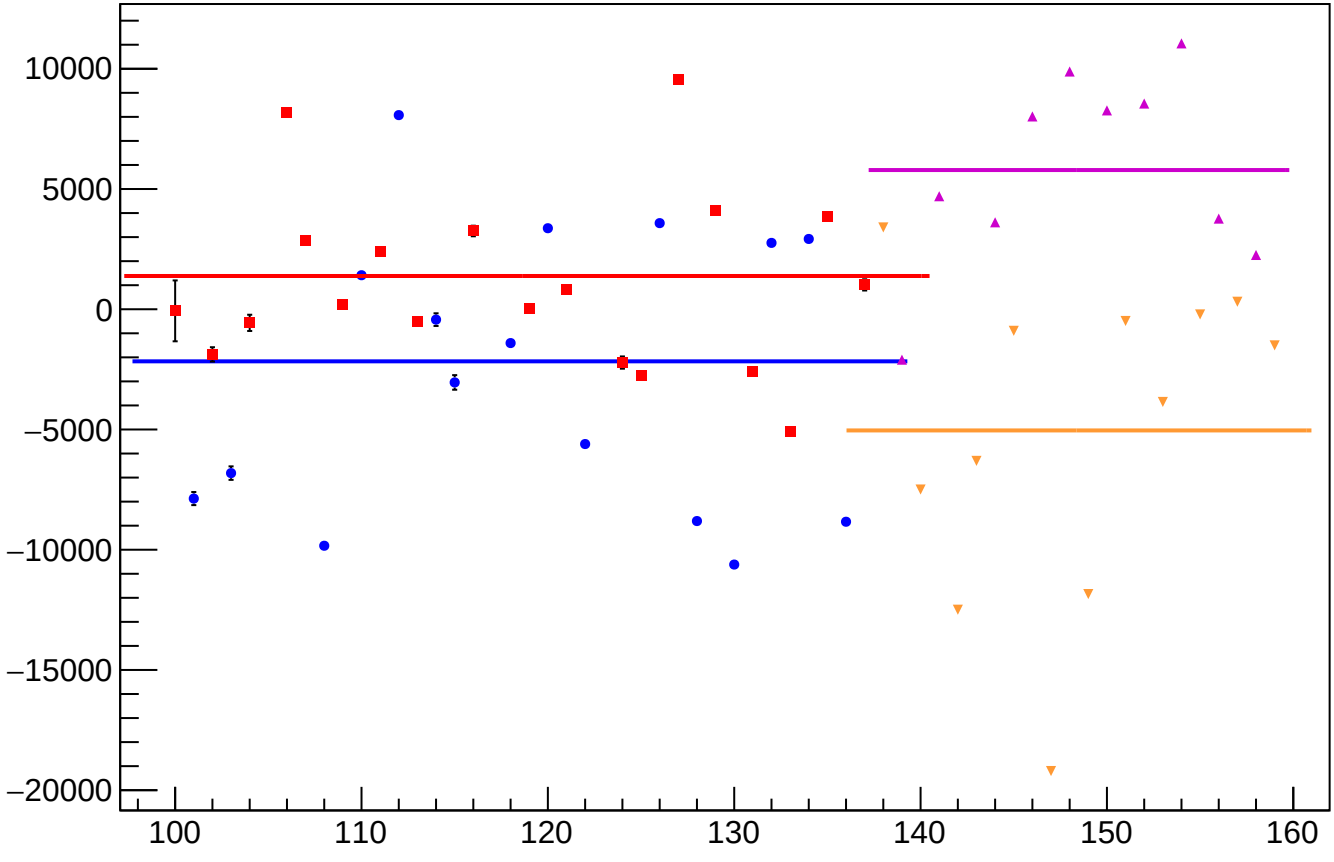
Left In: 116.243+/-0.028 χ^2/NDF:50745.1/9

+ sign 116.375+/-0.021 χ^2/NDF: 818830.8/27

All: 116.182+/-0.015 χ^2/NDF: 1734146.1/56

- sign 115.984+/-0.021 χ^2/NDF: 915141.0/28

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

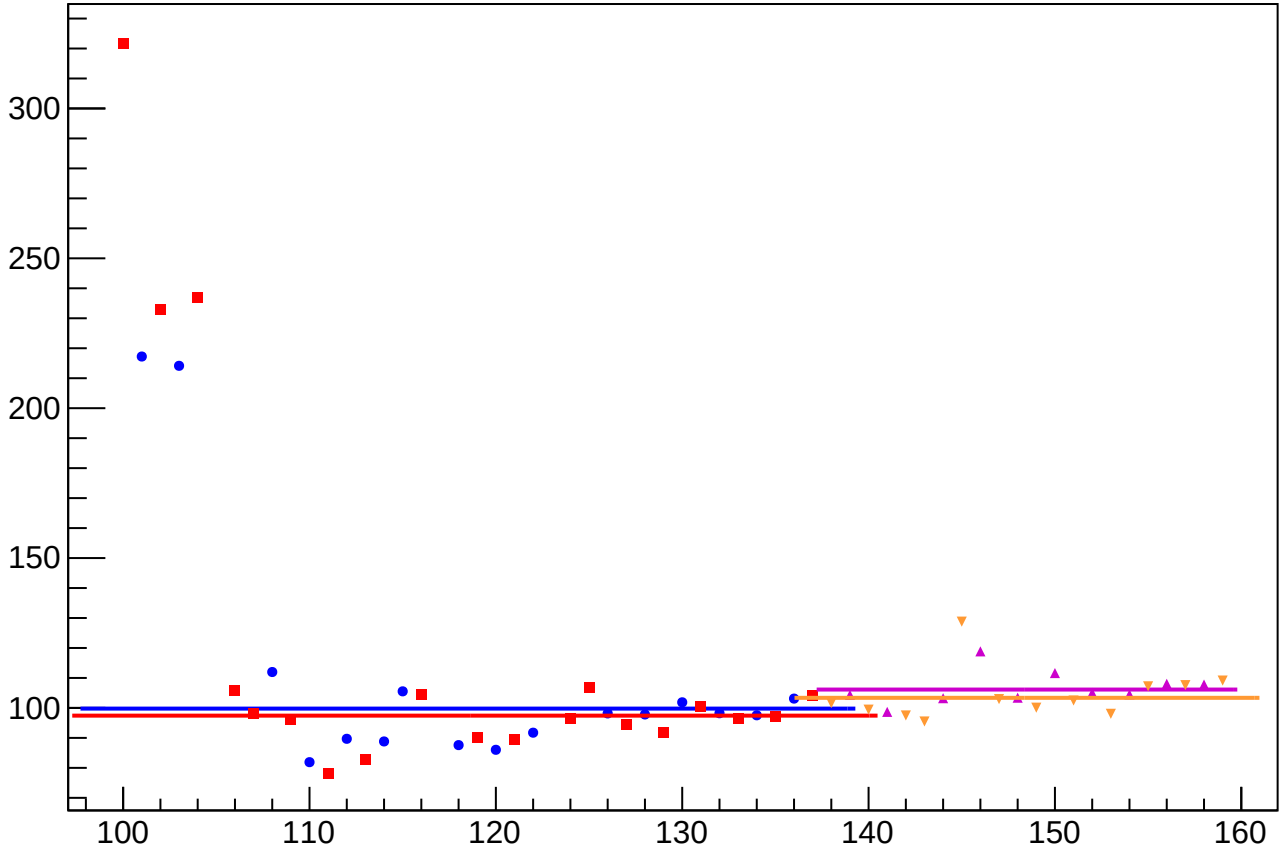
Left In: 5788.860+/-36.495 χ^2/NDF:11063.5/9

+ sign -3819.585+/-25.821 χ^2/NDF: 60402.6/27

All: -143.874+/-18.430 χ^2/NDF: 128923.3/56

- sign 3673.550+/-26.314 χ^2/NDF: 27209.4/28

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

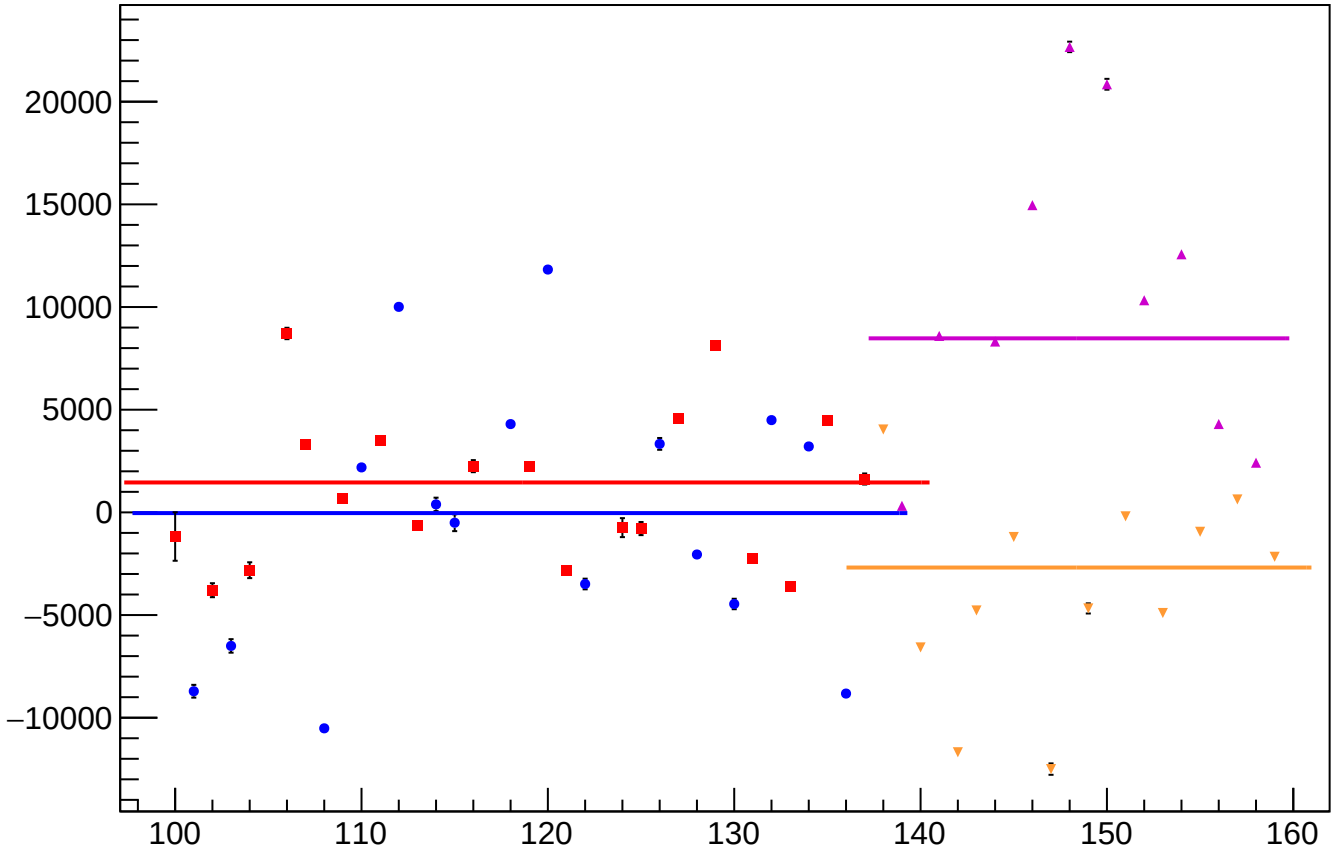
Left In: 106.130+/-0.026 χ^2/NDF:38720.5/9

+ sign 101.842+/-0.018 χ^2/NDF: 912458.2/27

All: 101.896+/-0.013 χ^2/NDF: 1931840.1/56

- sign 101.951+/-0.019 χ^2/NDF: 1019364.4/28

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

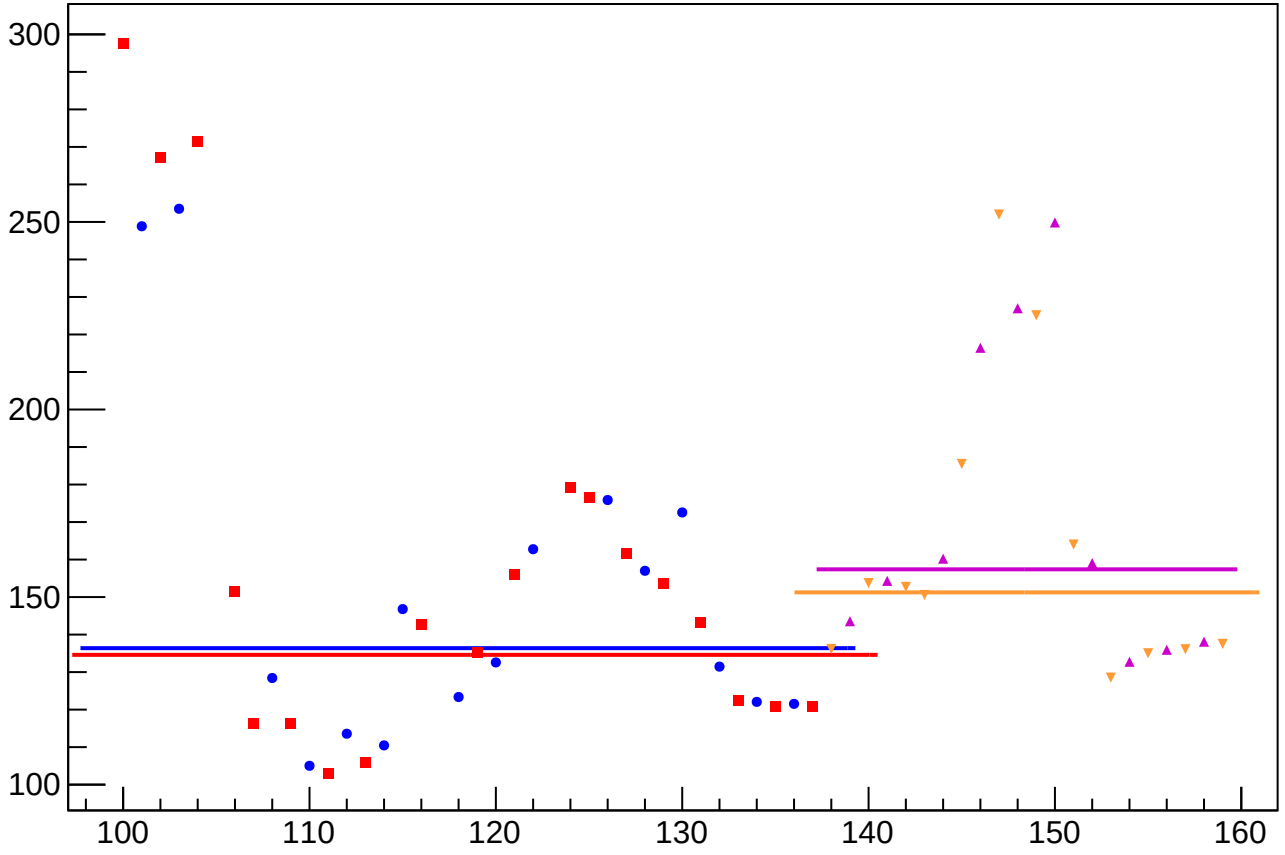
Left In: 8475.051+/-55.138 χ^2/NDF:12077.6/9

+ sign -1439.550+/-36.659 χ^2/NDF: 24568.7/27

All: 1562.958+/-26.319 χ^2/NDF: 63190.9/56

- sign 4756.835+/-37.809 χ^2/NDF: 24778.3/28

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

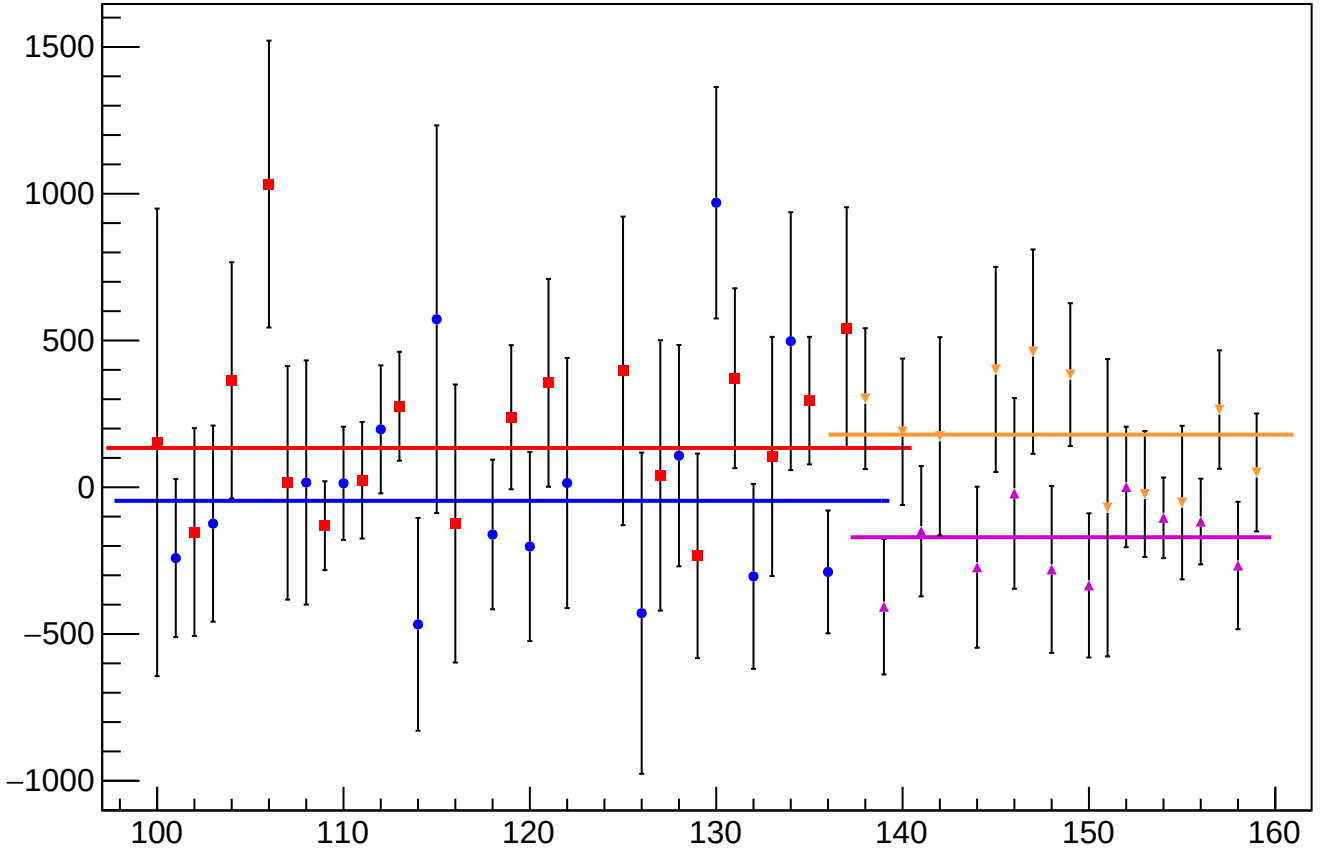
Left In: 157.396+/-0.039 χ^2/NDF:677509.9/9

+ sign 144.262+/-0.026 χ^2/NDF: 1515459.7/27

All: 144.774+/-0.019 χ^2/NDF: 3294522.8/56

- sign 145.318+/-0.027 χ^2/NDF: 1778258.4/28

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

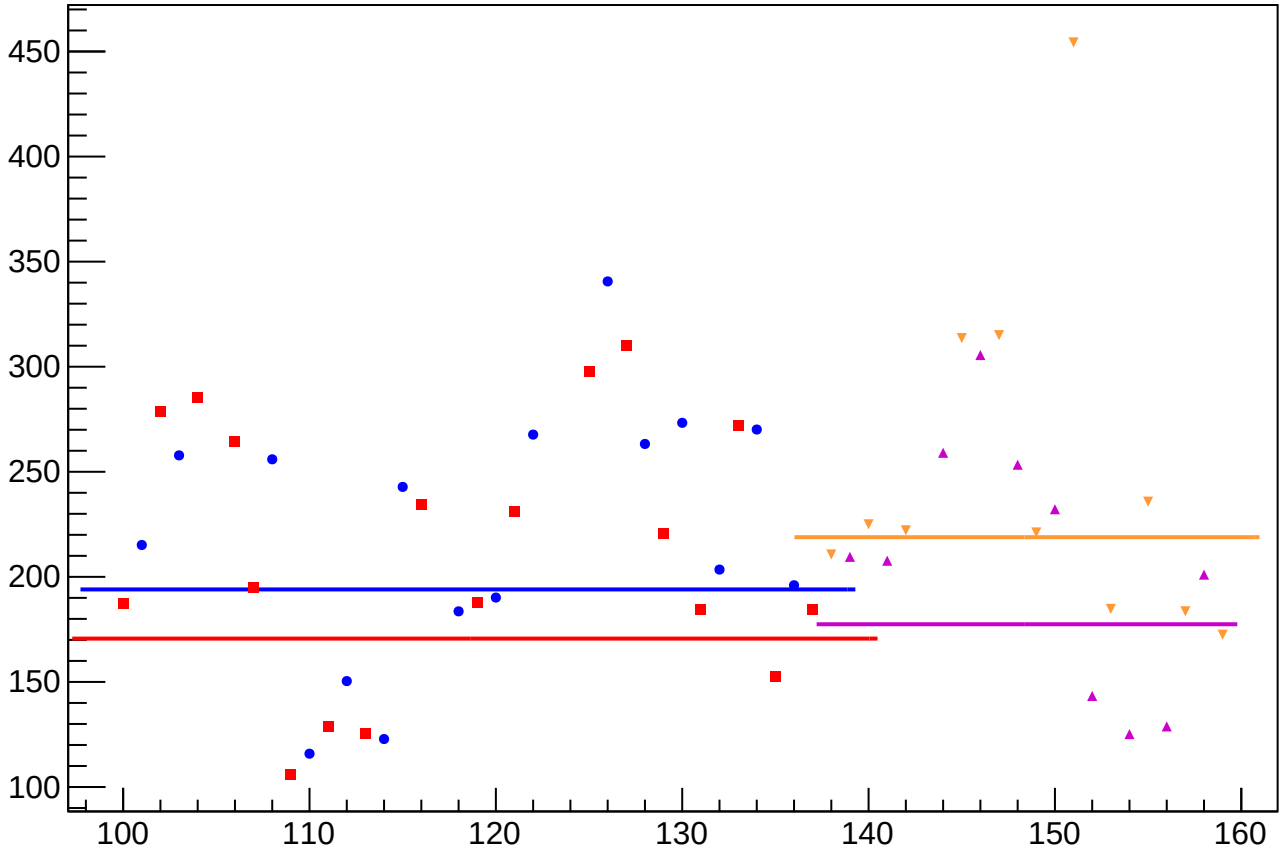
Left In: -170.263+/-65.138 χ^2/NDF:3.3/9

+ sign 64.281+/-54.478 χ^2/NDF: 24.3/26

All: 12.899+/-35.662 χ^2/NDF: 52.3/54

- sign -25.630+/-47.175 χ^2/NDF: 26.5/27

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

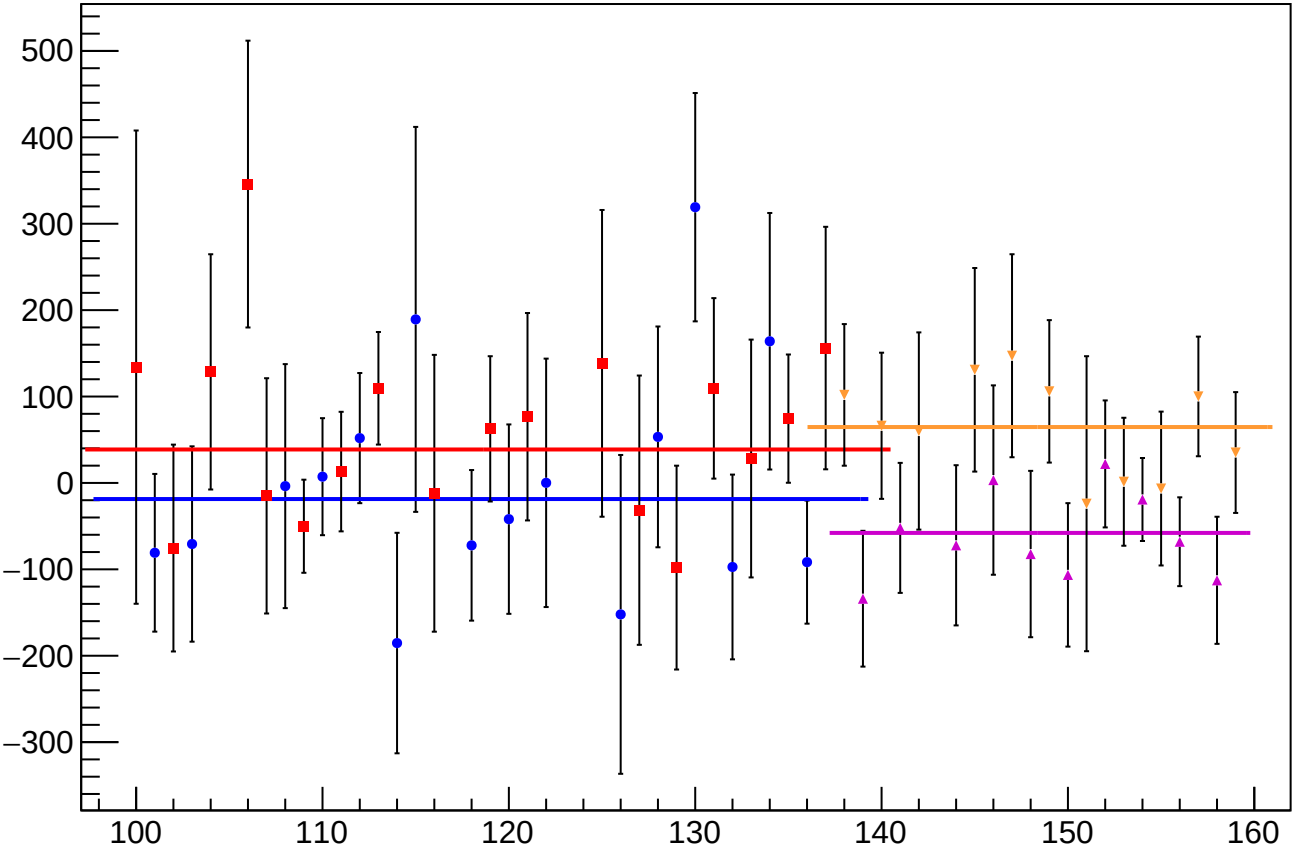
Left In: 177.452+/-0.046 χ^2/NDF:1396092.4/9

+ sign 206.196+/-0.039 χ^2/NDF: 2109747.5/26

All: 187.914+/-0.025 χ^2/NDF: 5504141.5/54

- sign 174.205+/-0.033 χ^2/NDF: 3000279.3/27

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

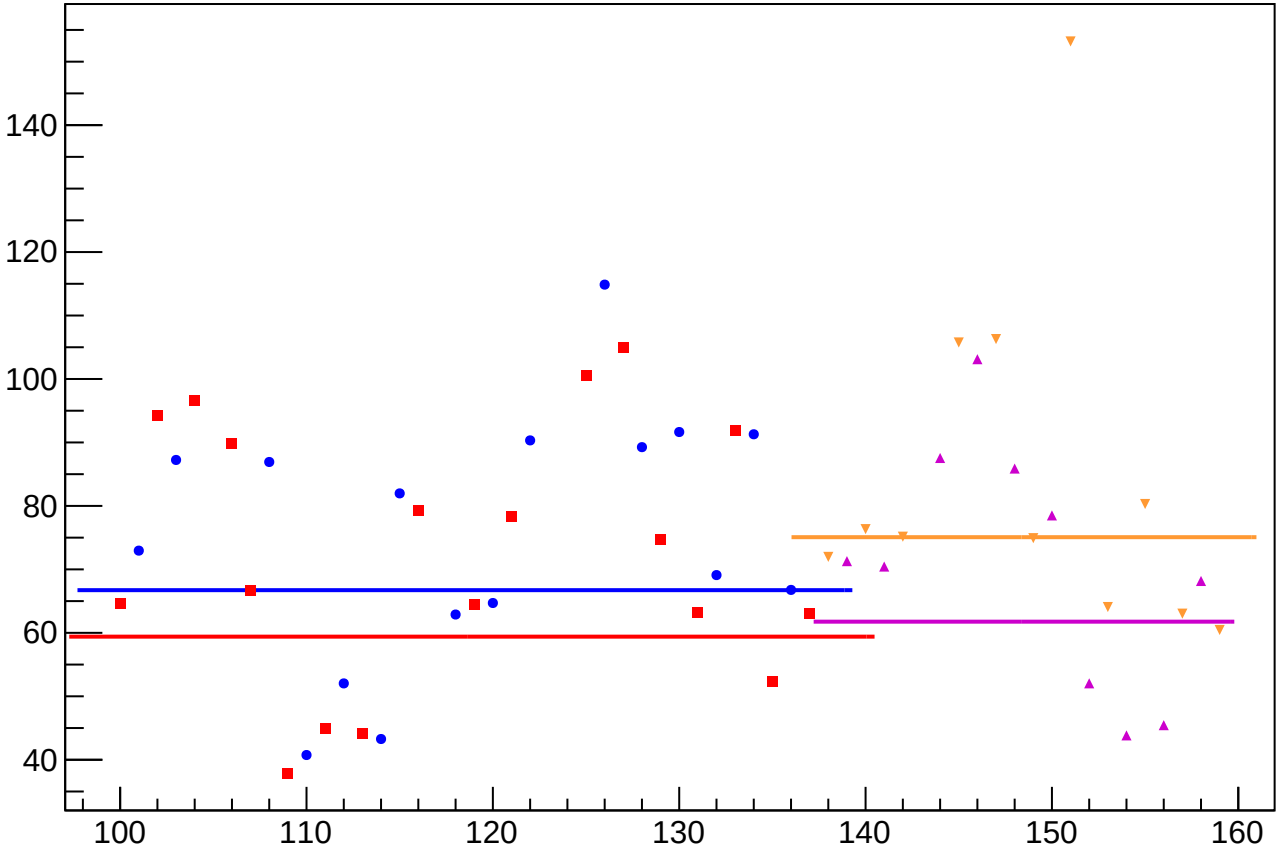
Left In: -57.850+/-22.513 χ^2/NDF:4.1/9

\+ sign 22.264+/-18.639 χ^2/NDF: 23.6/26

All: 2.884+/-12.273 χ^2/NDF: 50.9/54

\- sign -11.949+/-16.307 χ^2/NDF: 25.5/27

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

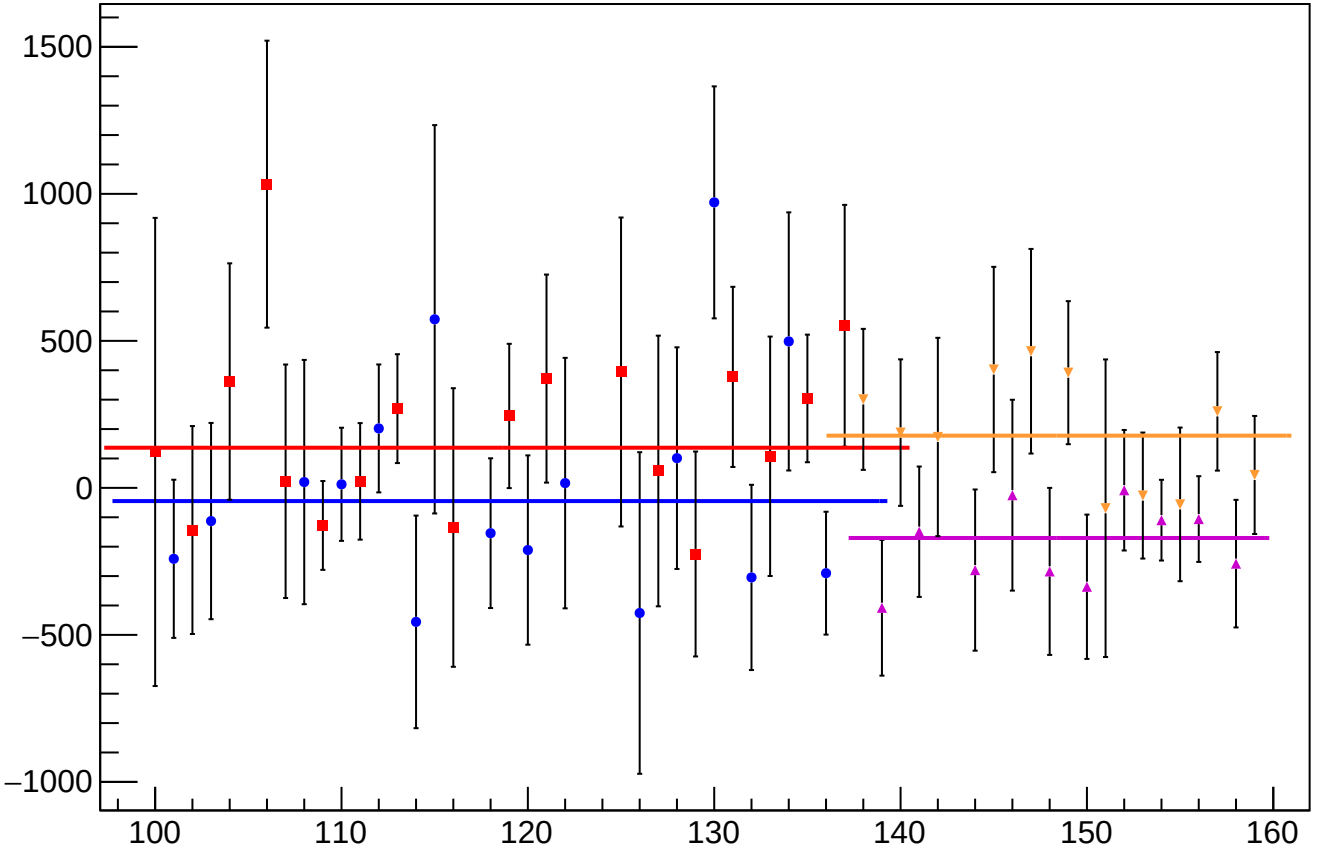
Left In: 61.760+/-0.016 χ^2/NDF:1232513.7/9

+ sign 70.822+/-0.013 χ^2/NDF: 1945234.2/26

All: 65.054+/-0.009 χ^2/NDF: 4971726.7/54

- sign 60.639+/-0.012 χ^2/NDF: 2688331.9/27

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

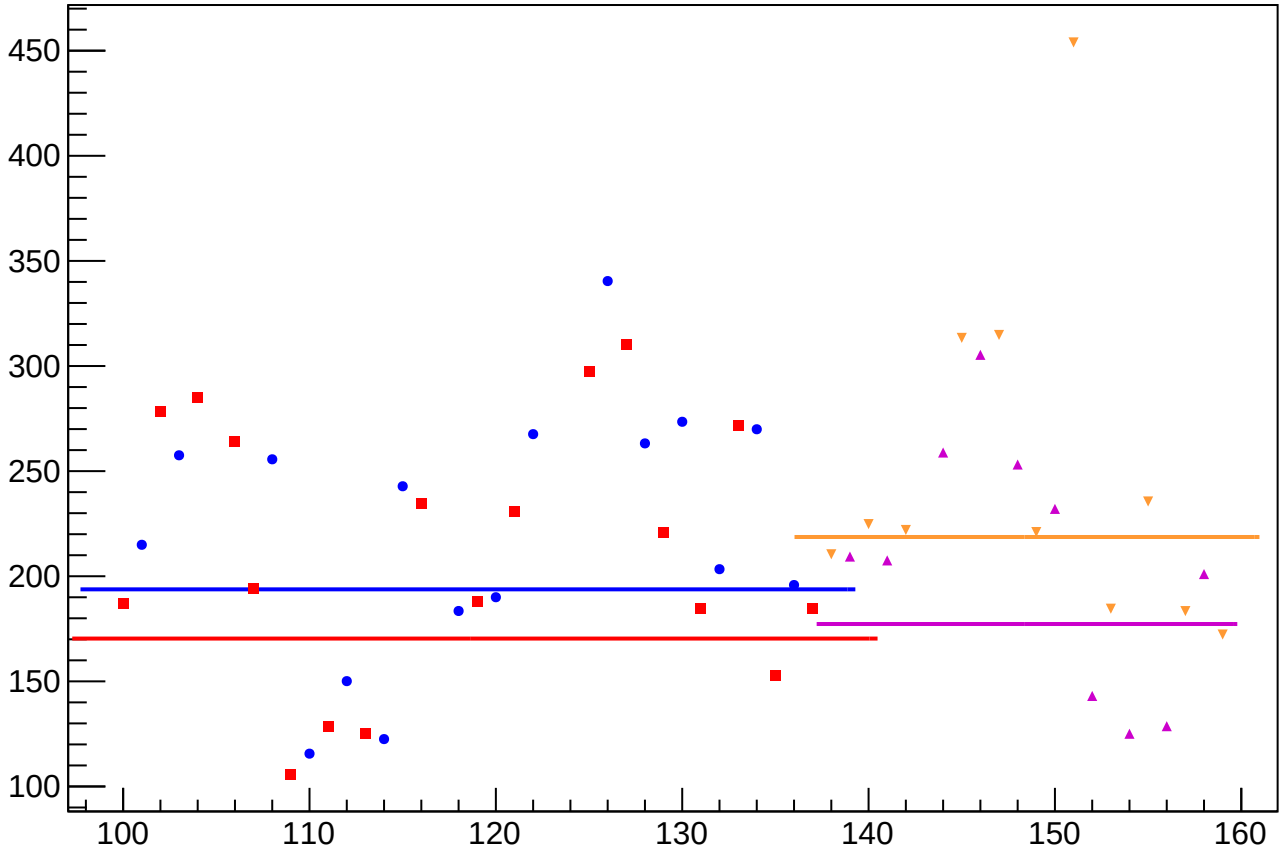
Left In: -170.425+/-65.080 χ^2/NDF:3.2/9

+ sign 64.100+/-54.423 χ^2/NDF: 24.3/26

All: 13.532+/-35.625 χ^2/NDF: 52.5/54

- sign -24.380+/-47.123 χ^2/NDF: 26.7/27

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

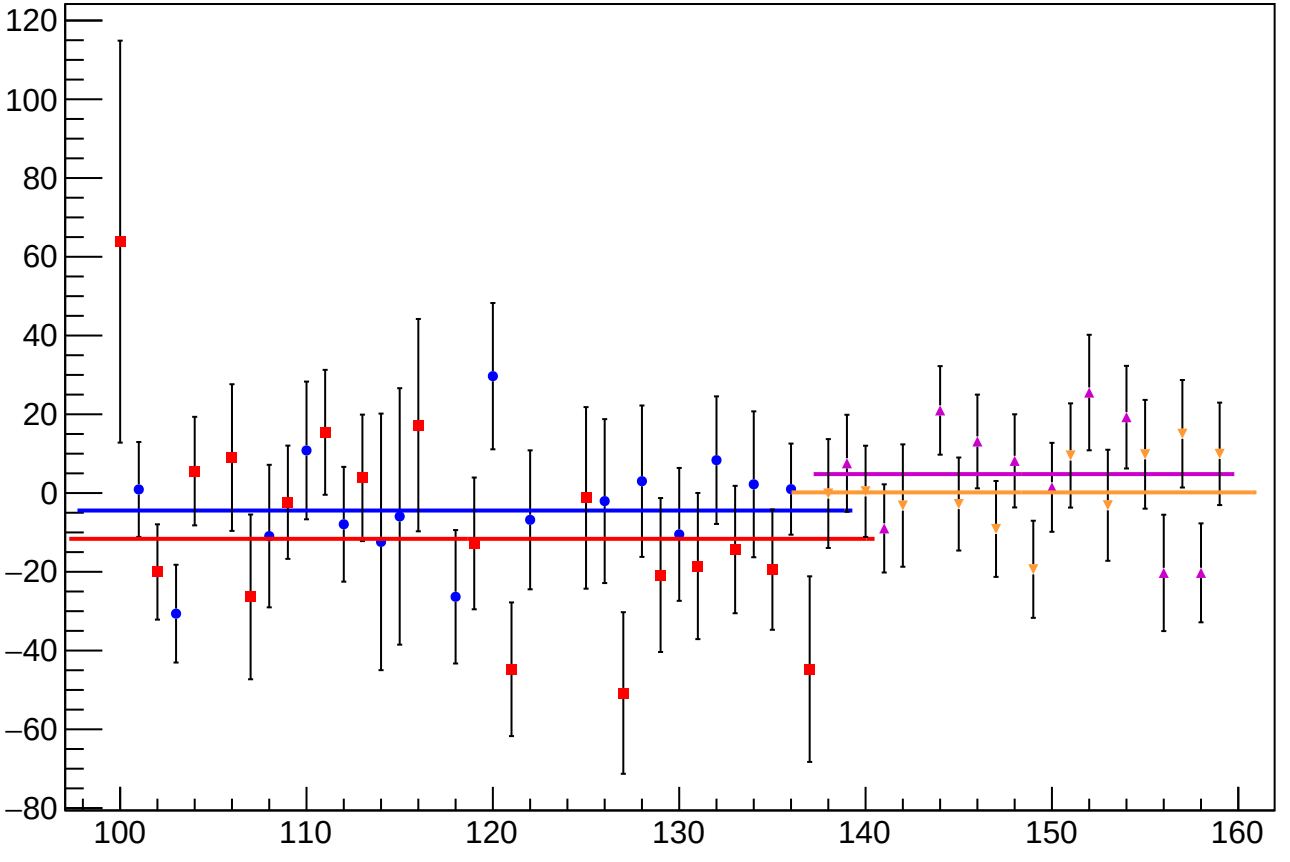
Left In: 177.281+/-0.046 χ^2/NDF:1397891.8/9

+ sign 205.967+/-0.038 χ^2/NDF: 2115527.9/26

All: 187.690+/-0.025 χ^2/NDF: 5517888.0/54

- sign 173.987+/-0.033 χ^2/NDF: 3007683.8/27

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

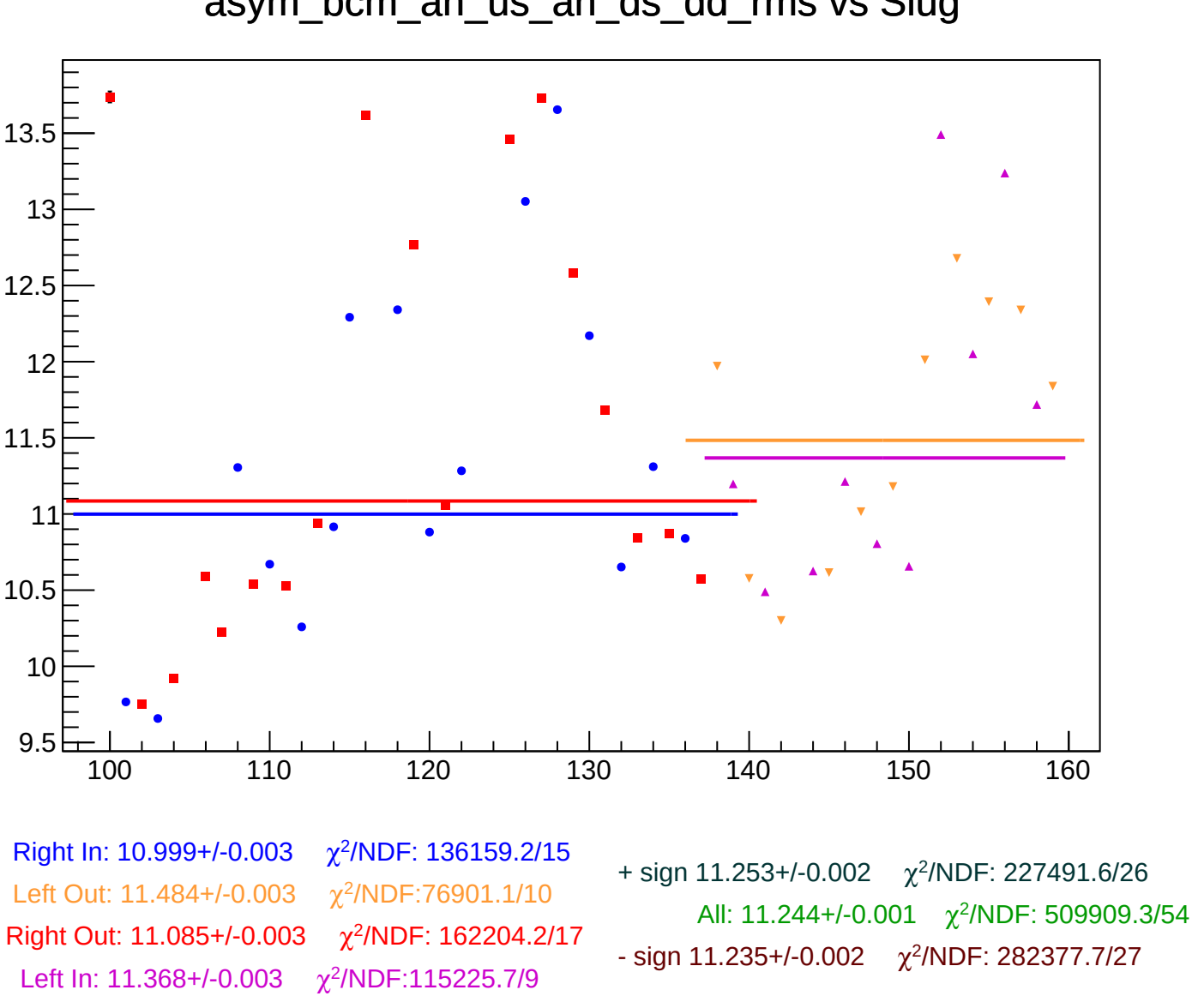
Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: 4.811+/-3.893 χ^2/NDF:14.4/9

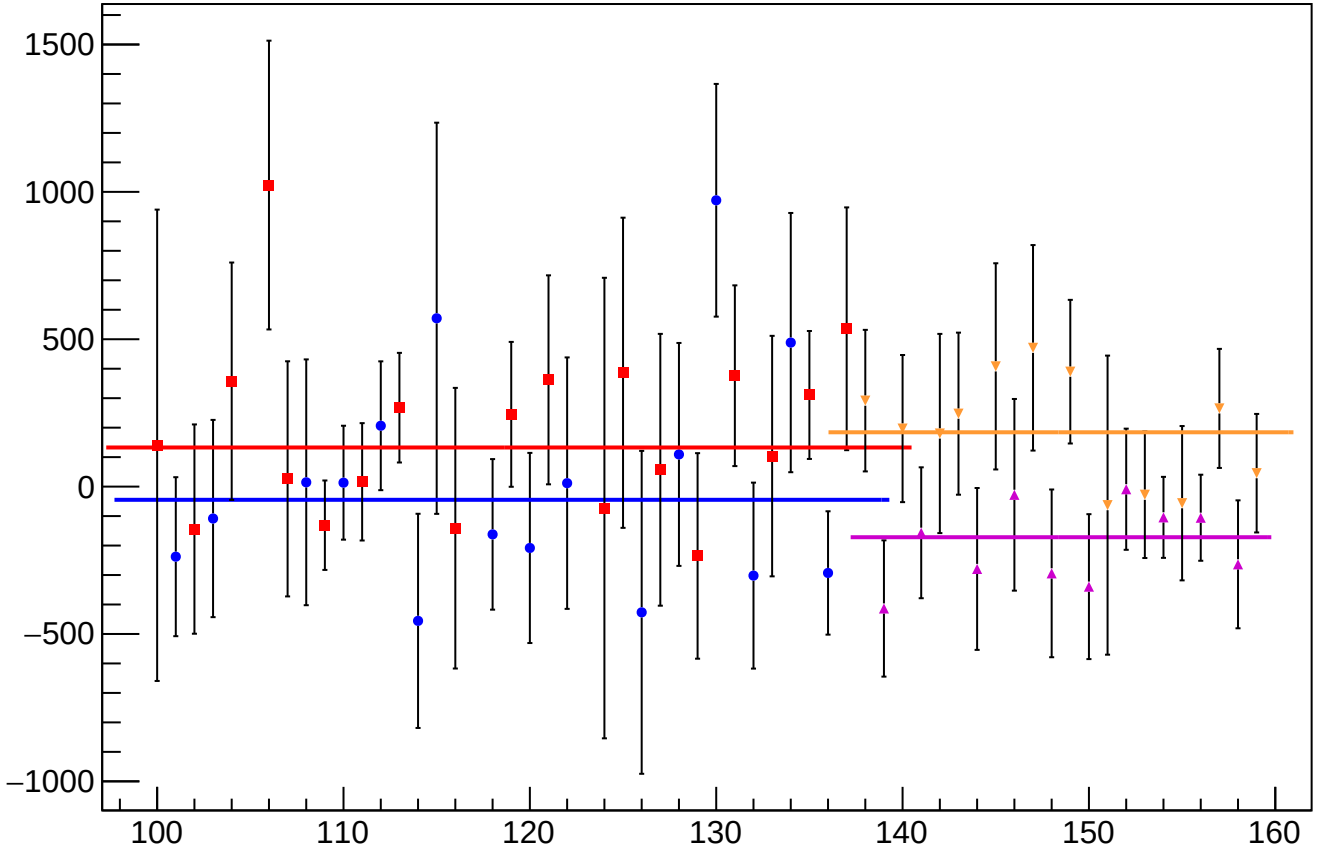
+ sign -2.025+/-2.849 χ^2/NDF: 18.6/26

All: -2.470+/-2.010 χ^2/NDF: 63.1/54

- sign -2.910+/-2.835 χ^2/NDF: 44.4/27


asym_bcm_an_us_an_ds_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
100
110
120
130
140
150
160
Right In: 10.999+/-0.003 χ²/NDF: 136159.2/15
Left Out: 11.484+/-0.003 χ²/NDF:76901.1/10
Right Out: 11.085+/-0.003 χ²/NDF: 162204.2/17
Left In: 11.368+/-0.003 χ²/NDF:115225.7/9
+ sign 11.253+/-0.002 χ²/NDF: 227491.6/26
All: 11.244+/-0.001 χ²/NDF: 509909.3/54
- sign 11.235+/-0.002 χ²/NDF: 282377.7/27

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

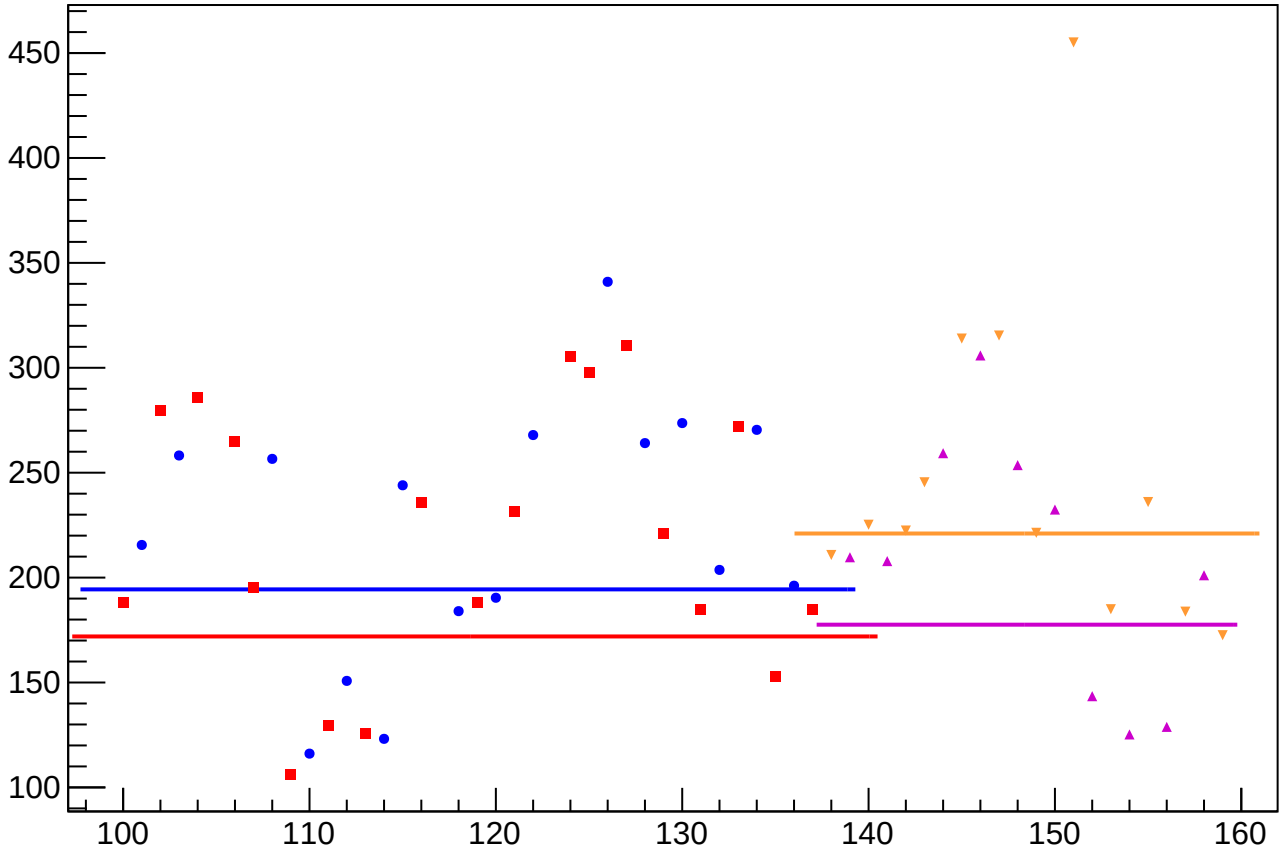
Left In: -171.733+/-65.183 χ^2/NDF:3.4/9

+ sign 71.989+/-53.510 χ^2/NDF: 24.8/27

All: 16.520+/-35.374 χ^2/NDF: 53.3/56

- sign -26.538+/-47.145 χ^2/NDF: 26.6/28

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

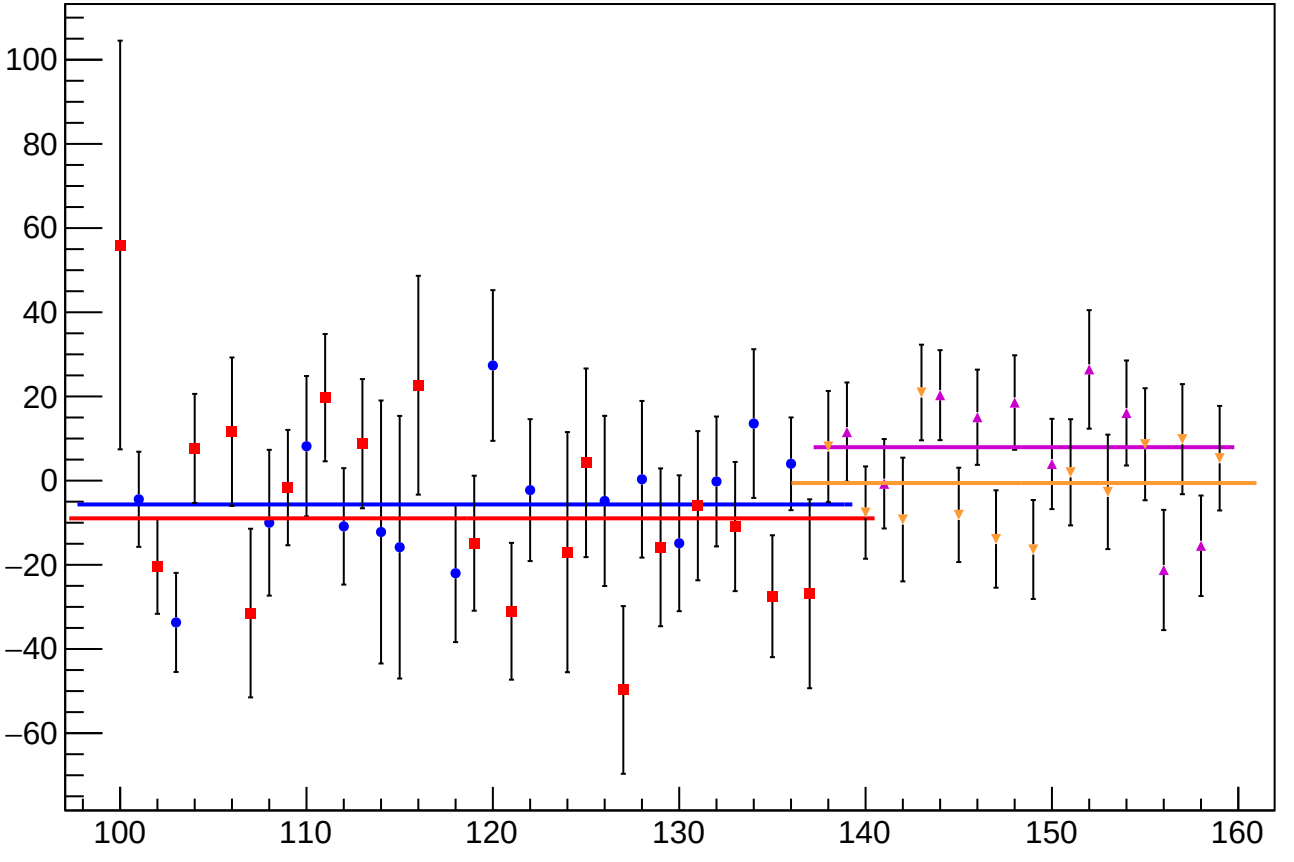
Left In: 177.560+/-0.046 χ^2/NDF:1397875.2/9

+ sign 207.959+/-0.038 χ^2/NDF: 2146344.4/27

All: 189.338+/-0.025 χ^2/NDF: 5632821.6/56

- sign 174.884+/-0.033 χ^2/NDF: 3056285.9/28

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

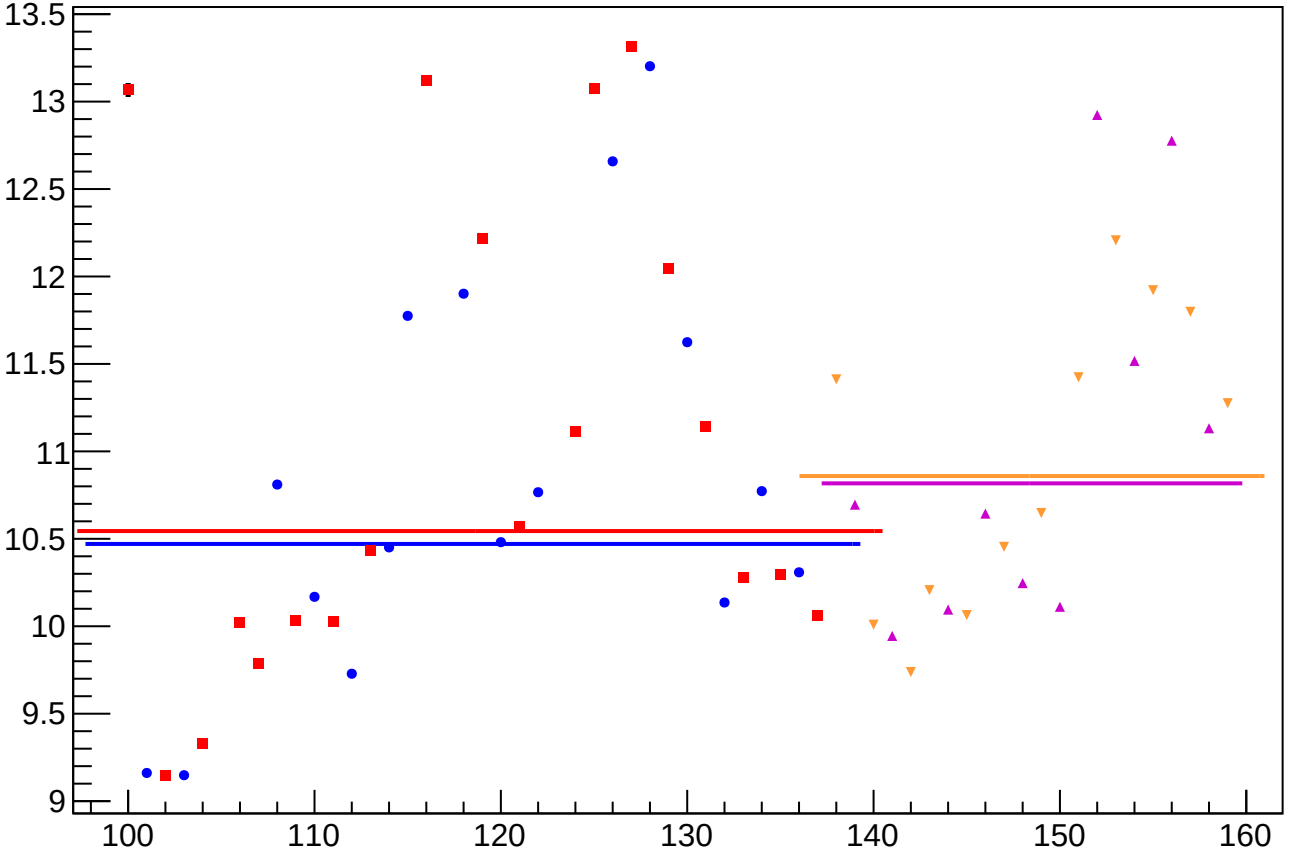
Left In: 7.948+/-3.711 χ^2/NDF:13.7/9

+ sign -2.861+/-2.643 χ^2/NDF: 24.4/27

All: -1.496+/-1.885 χ^2/NDF: 71.2/56

- sign -0.083+/-2.689 χ^2/NDF: 46.3/28

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

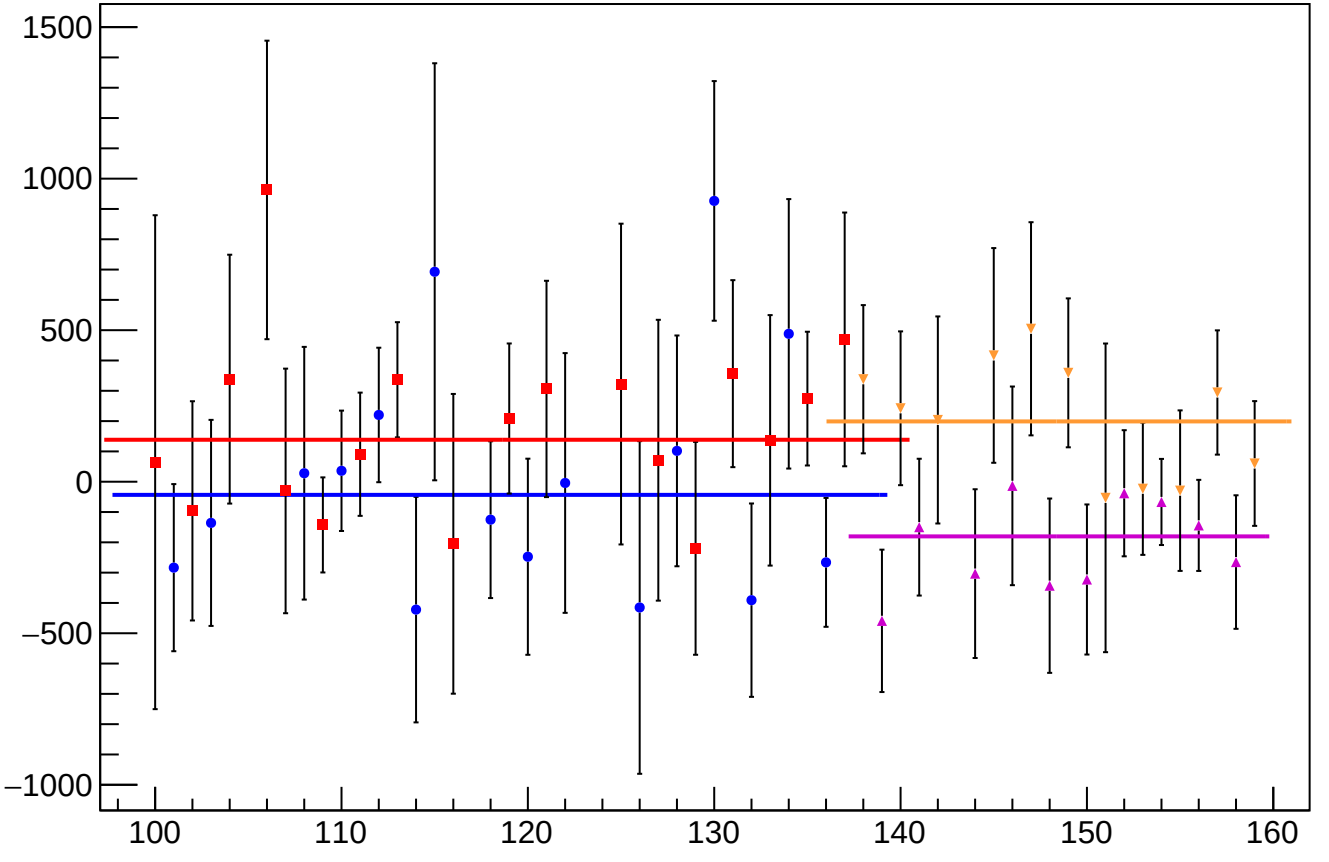
Left In: 10.817+/-0.003 χ^2/NDF:127208.4/9

+ sign 10.684+/-0.002 χ^2/NDF: 263920.6/27

All: 10.686+/-0.001 χ^2/NDF: 583046.0/56

- sign 10.688+/-0.002 χ^2/NDF: 319123.7/28

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

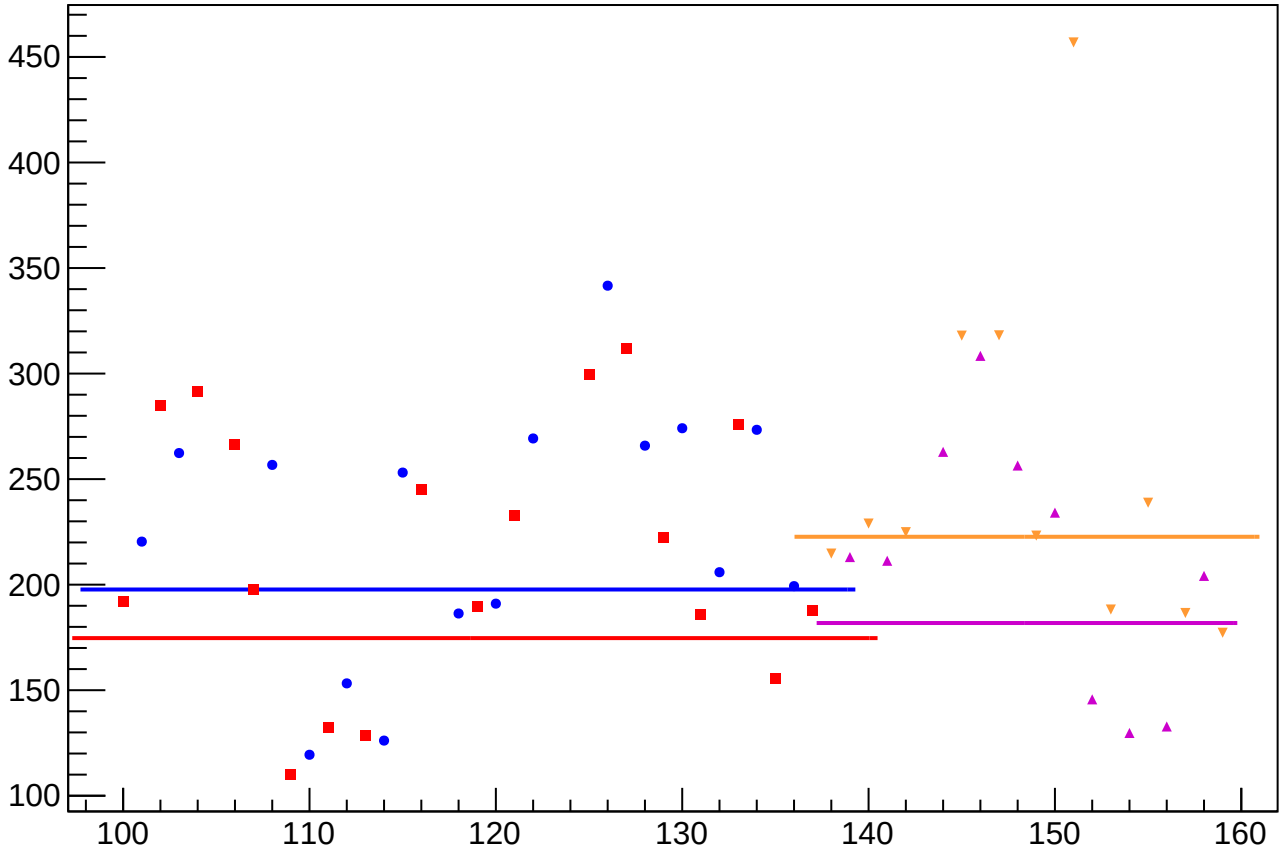
Left In: -180.387+/-66.540 χ^2/NDF:3.8/9

+ sign 75.500+/-55.378 χ^2/NDF: 24.9/26

All: 16.207+/-36.346 χ^2/NDF: 53.1/54

- sign -28.661+/-48.173 χ^2/NDF: 26.2/27

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

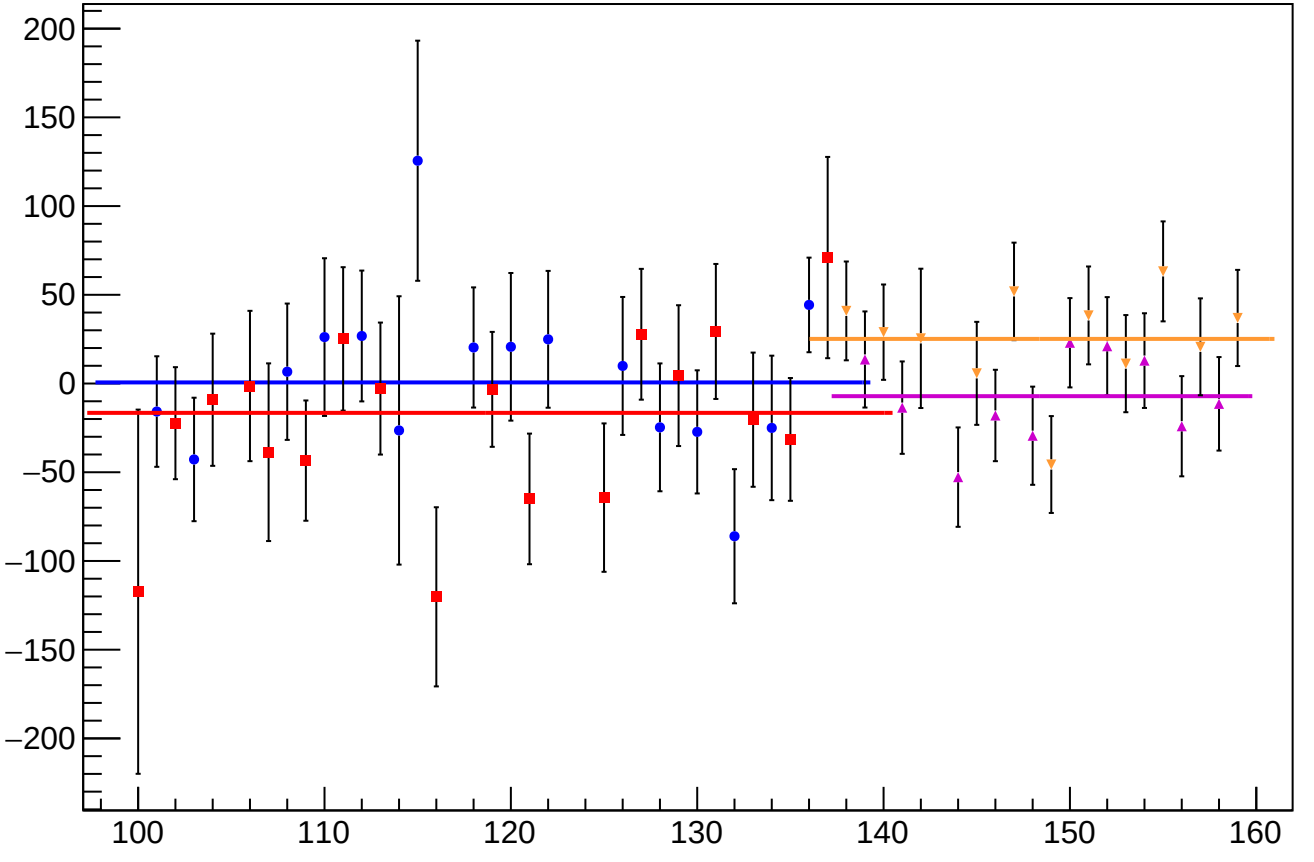
Left In: 181.829+/-0.047 χ^2/NDF:1323666.0/9

+ sign 209.960+/-0.039 χ^2/NDF: 2037421.7/26

All: 192.010+/-0.026 χ^2/NDF: 5275983.8/54

- sign 178.427+/-0.034 χ^2/NDF: 2869407.4/27

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

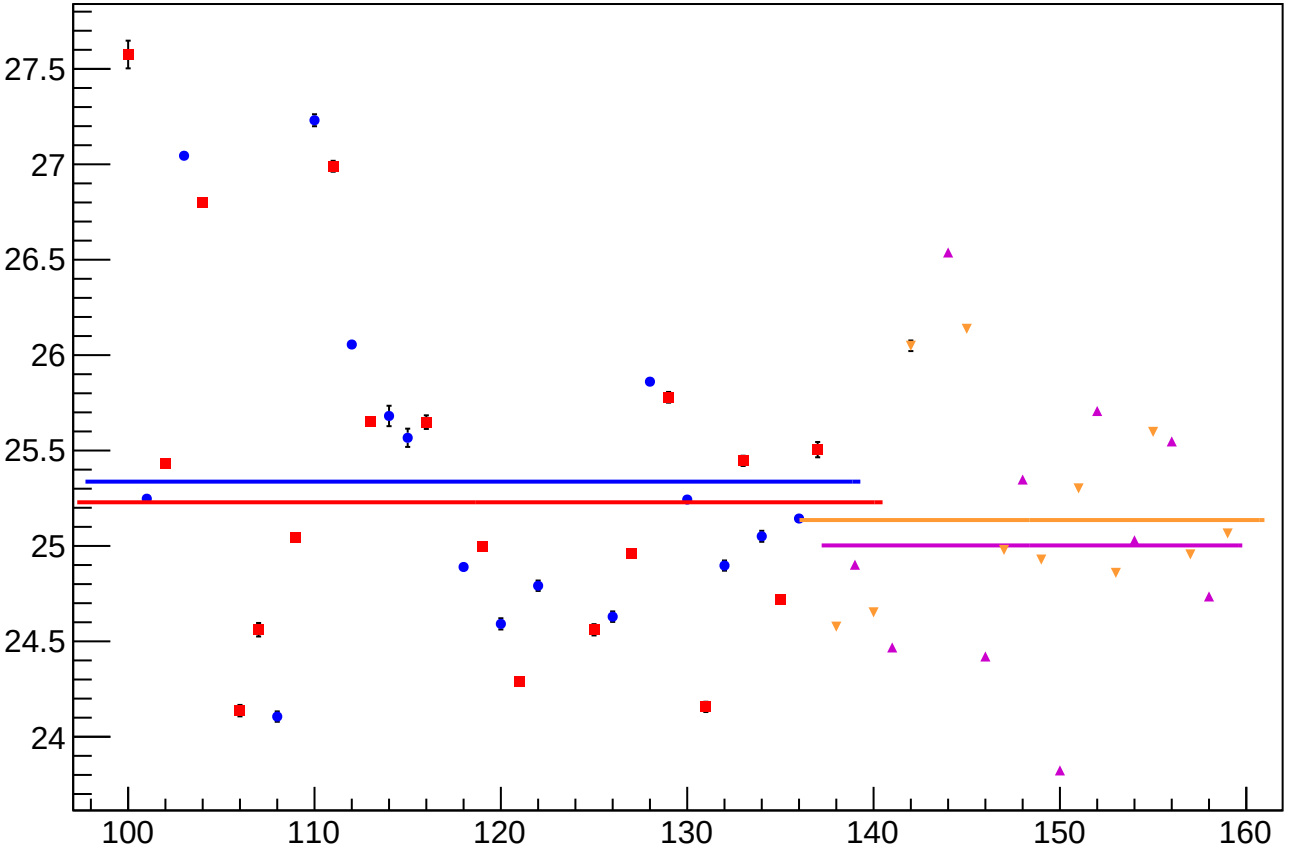
Left In: -7.128+/-8.478 χ^2/NDF:7.5/9

+ sign 14.119+/-6.318 χ^2/NDF: 31.5/26

All: 1.261+/-4.449 χ^2/NDF: 64.2/54

- sign -11.394+/-6.267 χ^2/NDF: 24.5/27

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

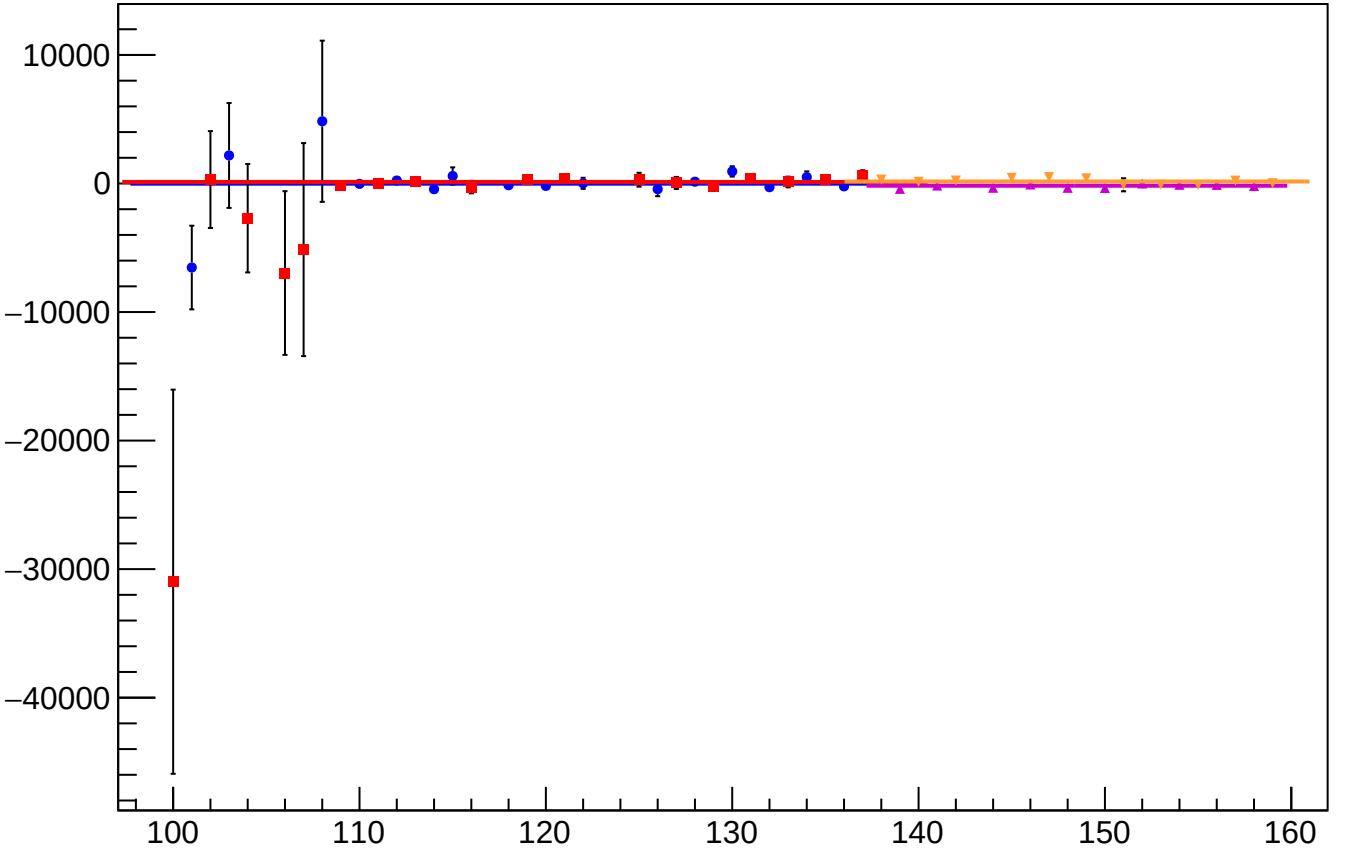
Left In: 25.003+/-0.006 χ^2/NDF:14855.9/9

+ sign 25.226+/-0.004 χ^2/NDF: 20834.3/26

All: 25.165+/-0.003 χ^2/NDF: 51880.8/54

- sign 25.105+/-0.004 χ^2/NDF: 30676.9/27

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

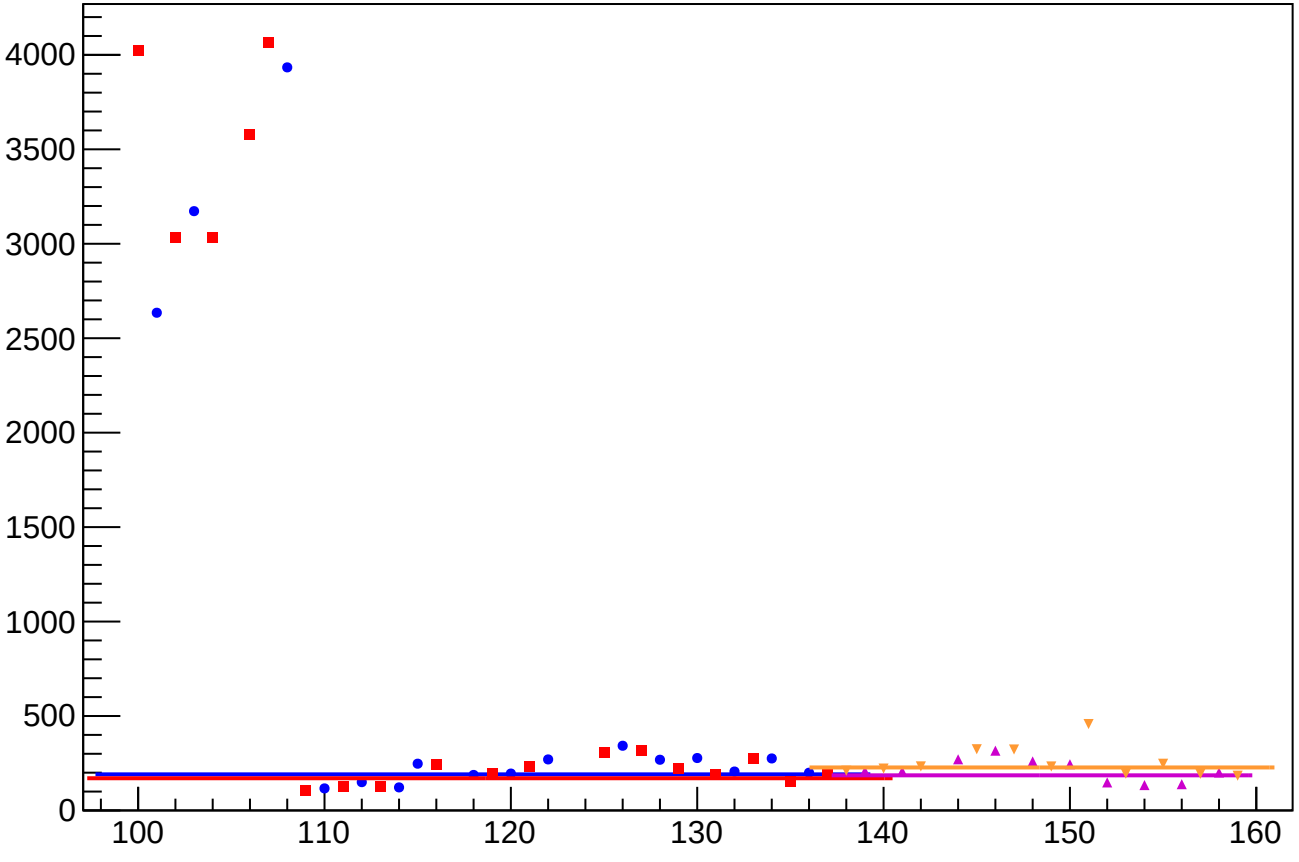
Left In: -172.840+/-67.835 χ^2/NDF:3.4/9

+ sign 75.380+/-58.321 χ^2/NDF: 26.2/26

All: 6.221+/-38.500 χ^2/NDF: 54.5/54

- sign -47.195+/-51.255 χ^2/NDF: 25.8/27

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

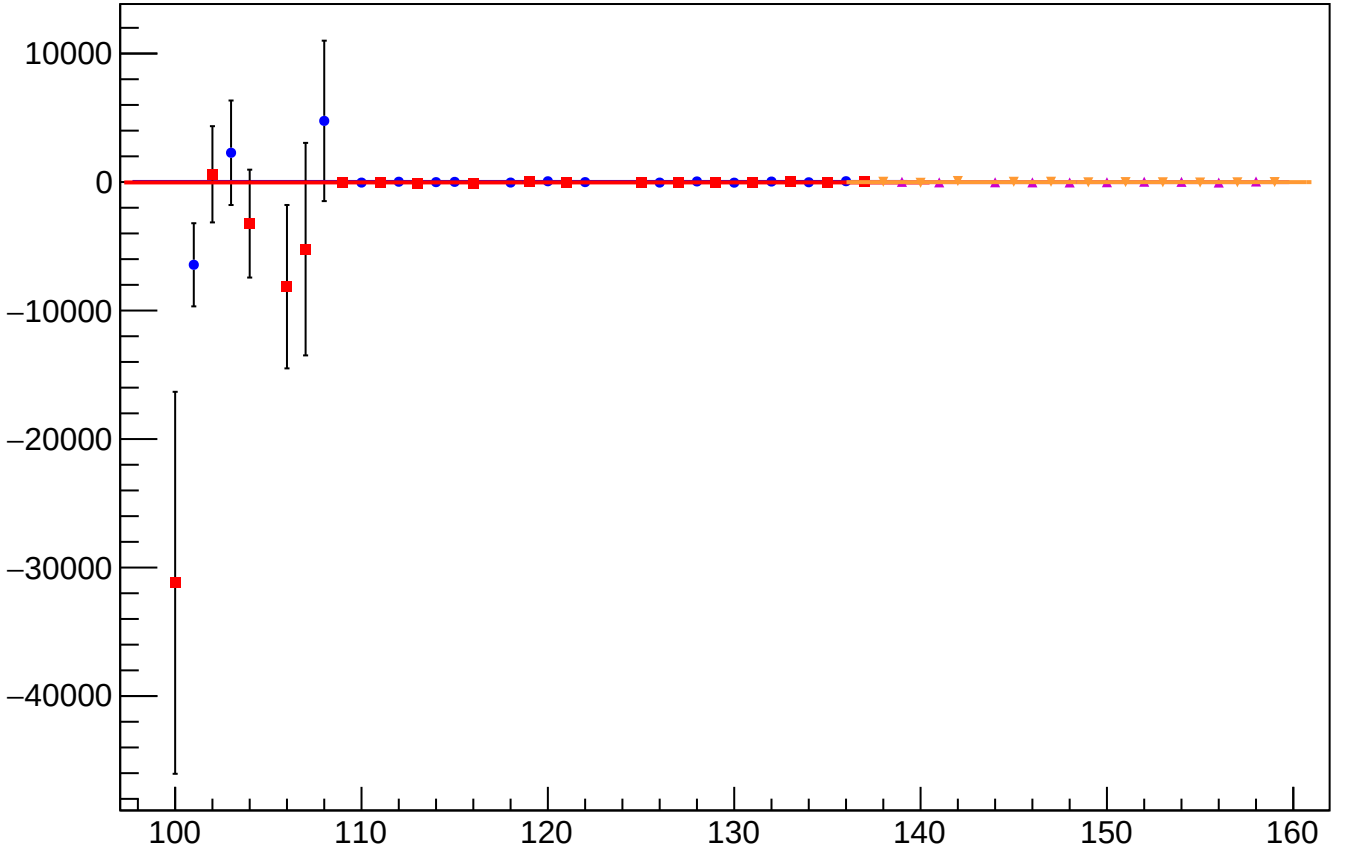
Left In: 185.958+/-0.048 χ^2/NDF:1240257.4/9

+ sign 210.197+/-0.041 χ^2/NDF: 4924430.5/26

All: 192.777+/-0.027 χ^2/NDF: 10780356.7/54

- sign 179.323+/-0.036 χ^2/NDF: 5539677.9/27

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

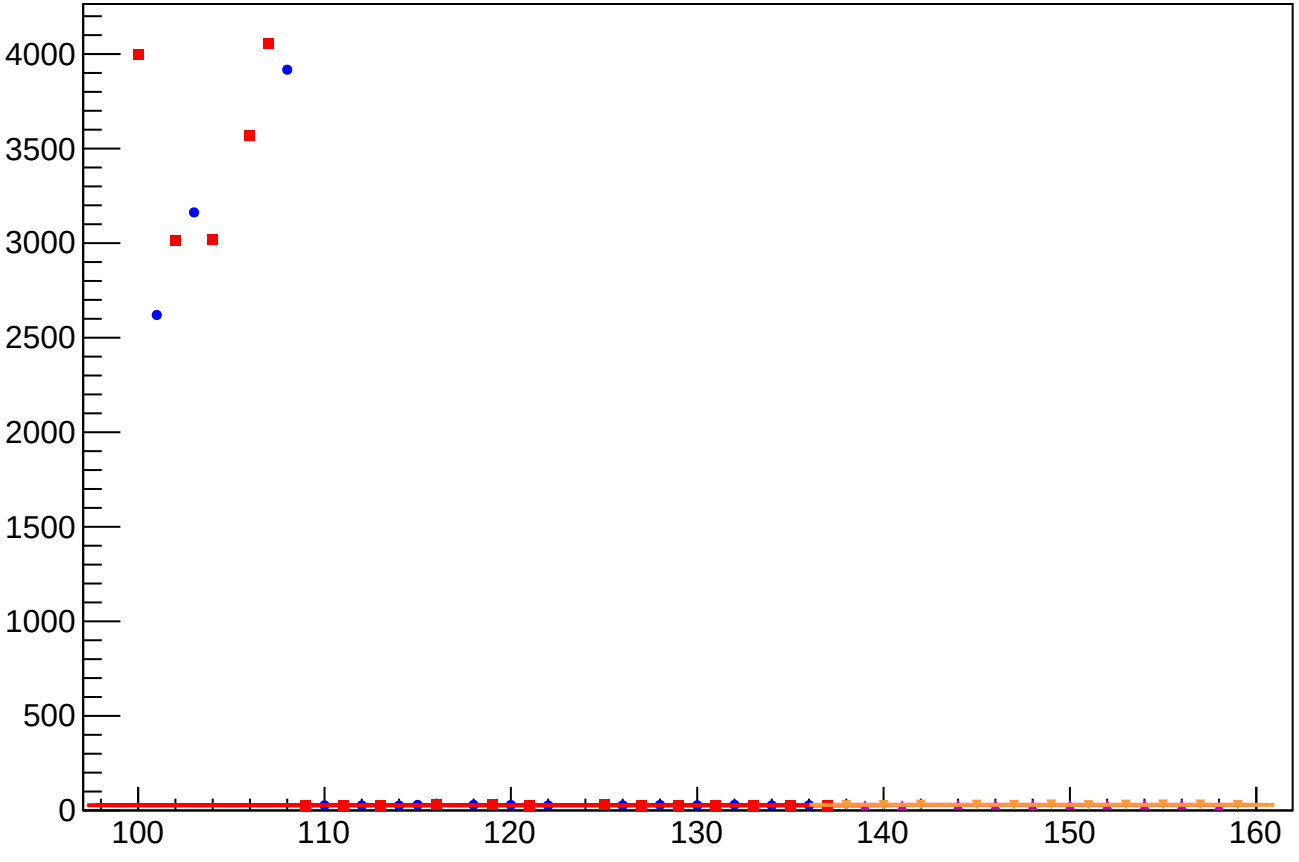
Left In: -3.734+/-10.054 χ^2/NDF:7.1/9

+ sign -1.403+/-7.640 χ^2/NDF: 28.8/26

All: -8.015+/-5.434 χ^2/NDF: 60.3/54

- sign -14.781+/-7.729 χ^2/NDF: 29.9/27

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

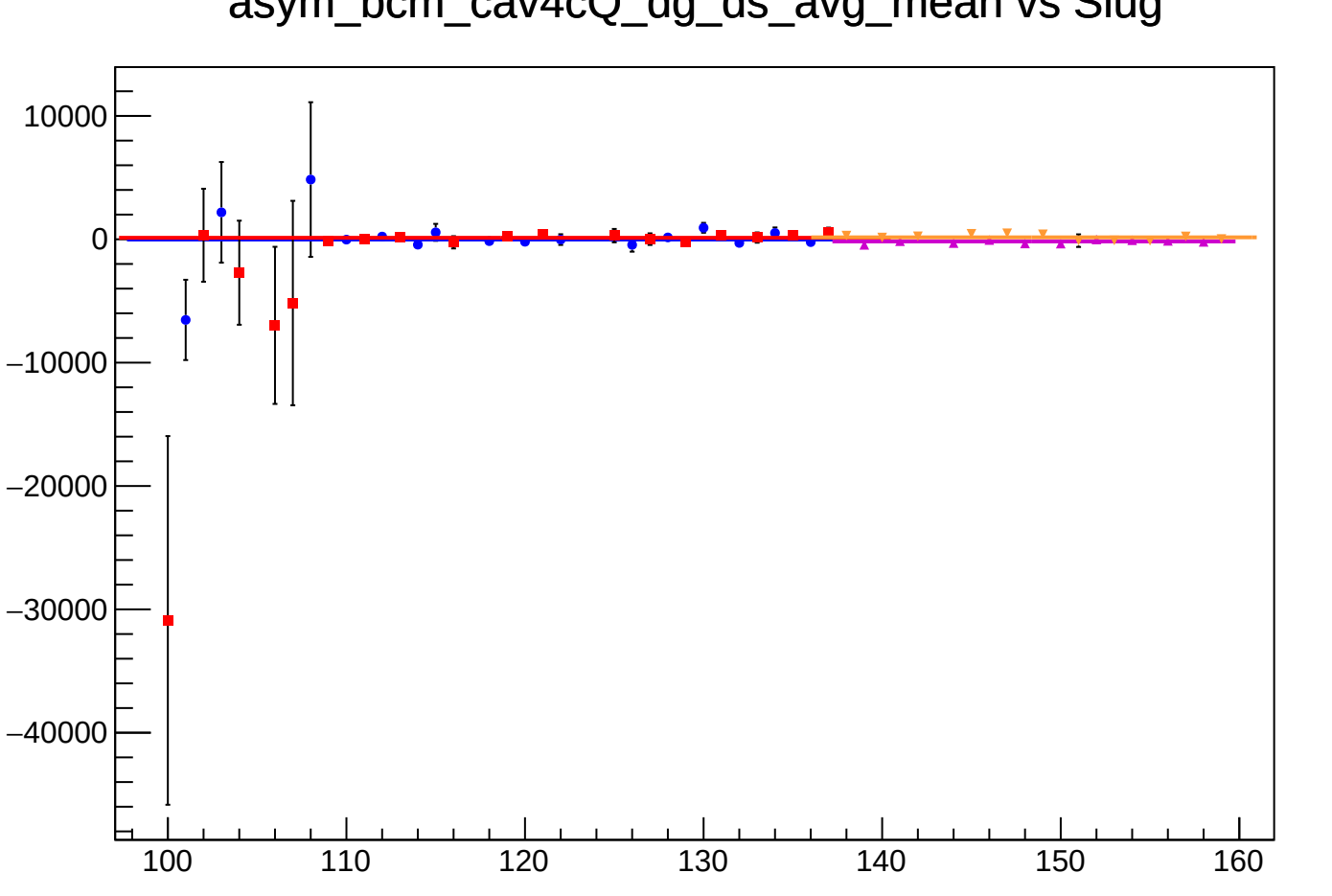
Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.565+/-0.007 χ^2/NDF:67463.7/9

+ sign 28.854+/-0.005 χ^2/NDF: 3322399.2/26

All: 28.845+/-0.004 χ^2/NDF: 6974121.4/54

- sign 28.834+/-0.005 χ^2/NDF: 3651715.3/27



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

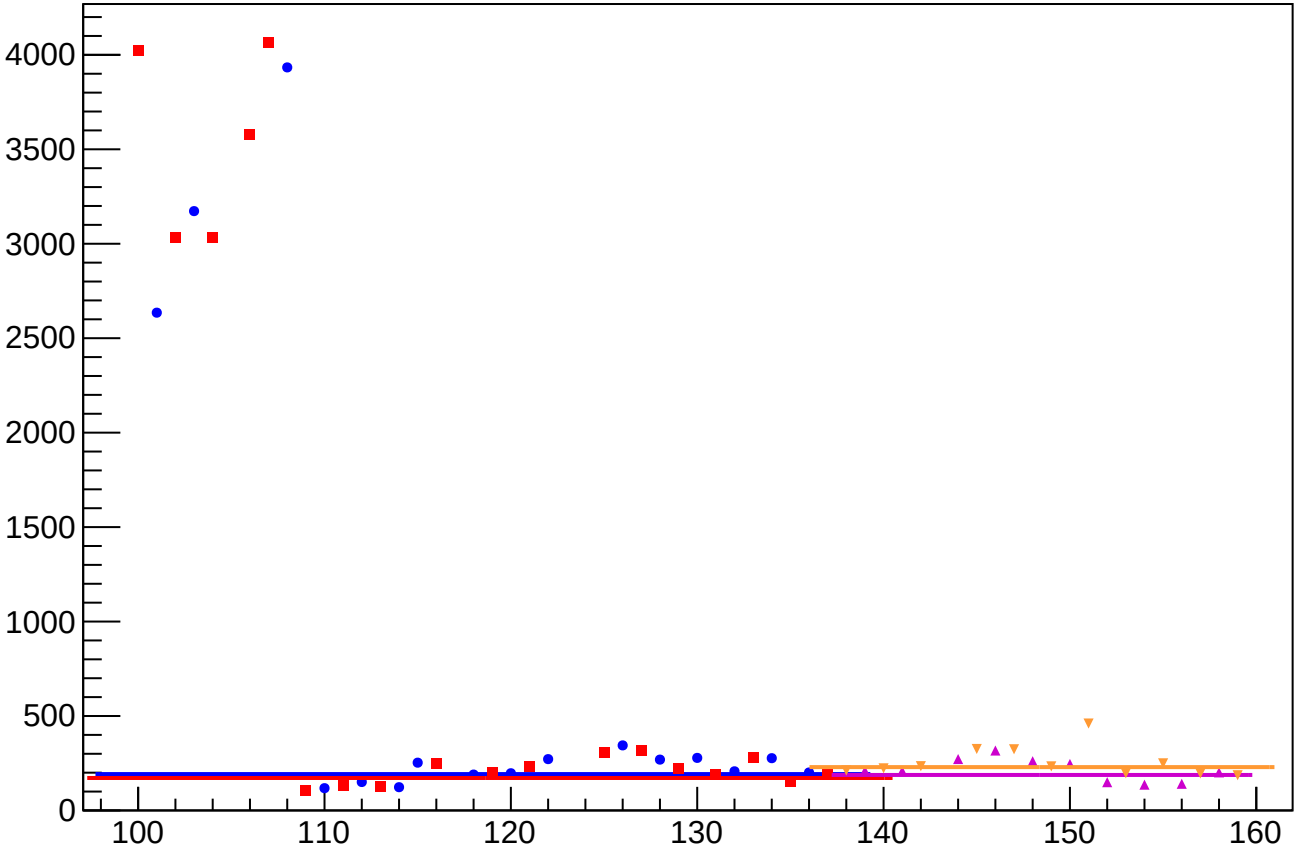
Left In: -175.294+/-68.458 χ^2/NDF:3.6/9

+ sign 73.202+/-58.746 χ^2/NDF: 26.2/26

All: 5.059+/-38.807 χ^2/NDF: 53.5/54

- sign -47.702+/-51.692 χ^2/NDF: 24.9/27

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

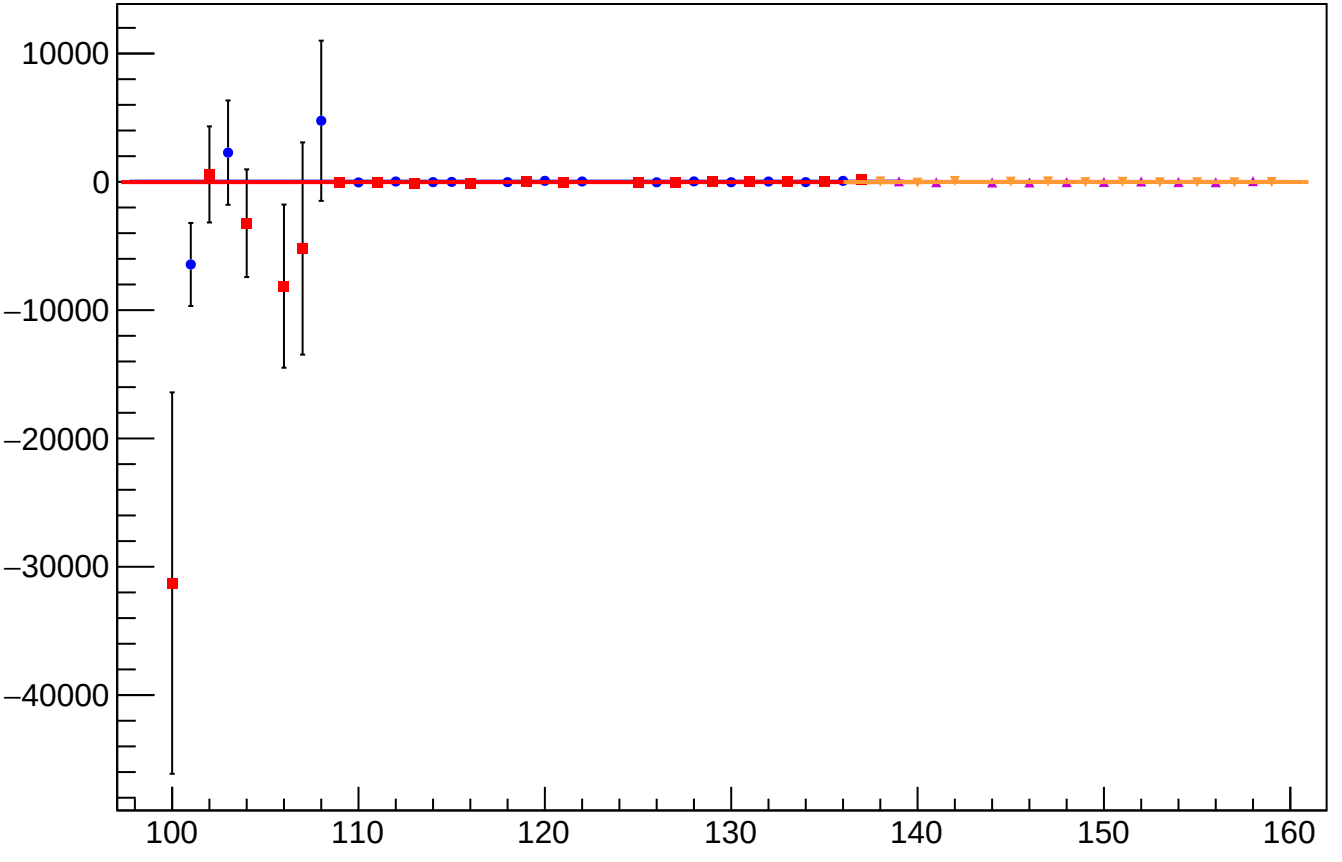
Left In: 187.919+/-0.048 χ^2/NDF:1203681.7/9

+ sign 211.855+/-0.042 χ^2/NDF: 4900164.7/26

All: 194.483+/-0.027 χ^2/NDF: 10709030.4/54

- sign 181.033+/-0.037 χ^2/NDF: 5498562.9/27

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

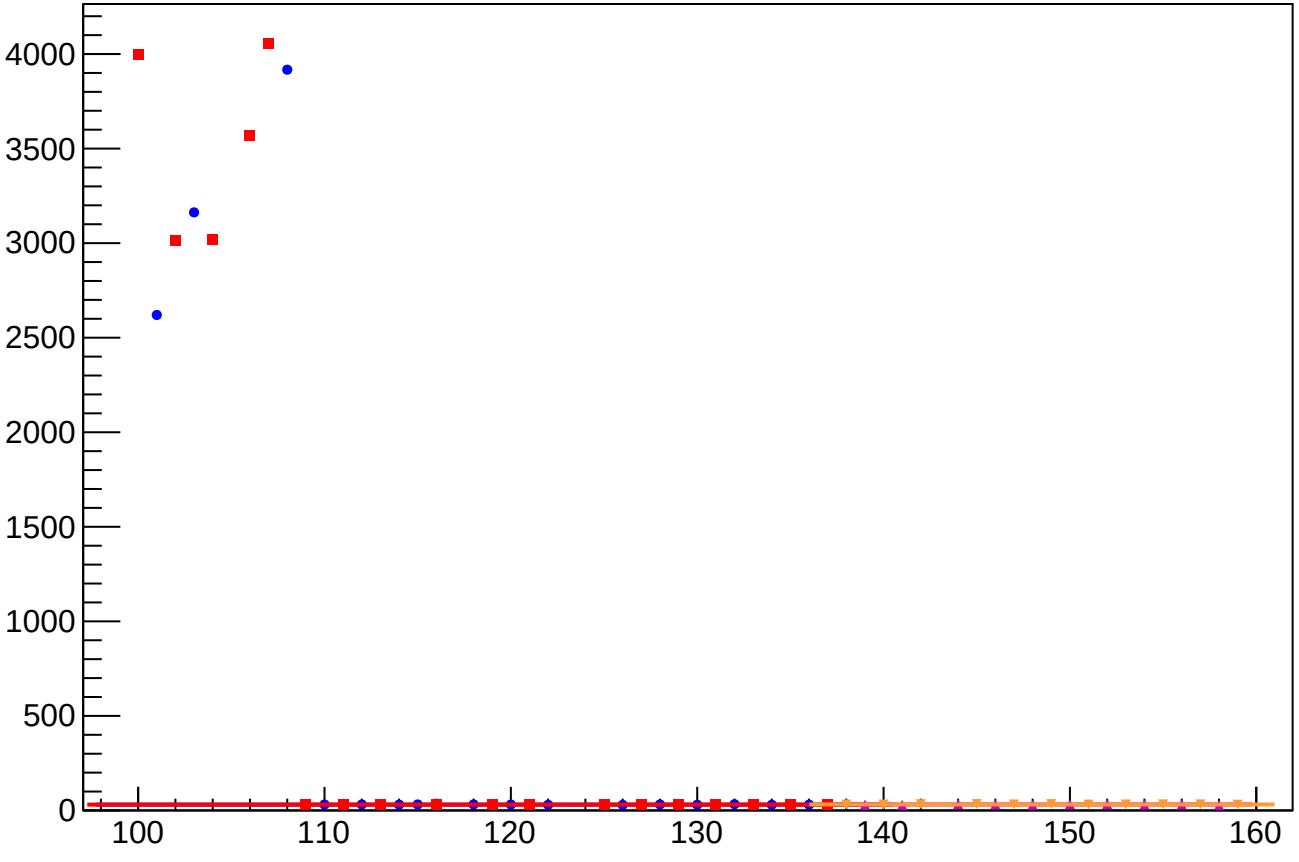
Left In: -4.627+/-10.780 χ^2/NDF:10.6/9

+ sign -1.799+/-8.296 χ^2/NDF: 27.6/26

All: -6.556+/-5.901 χ^2/NDF: 68.2/54

- sign -11.427+/-8.395 χ^2/NDF: 40.0/27

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

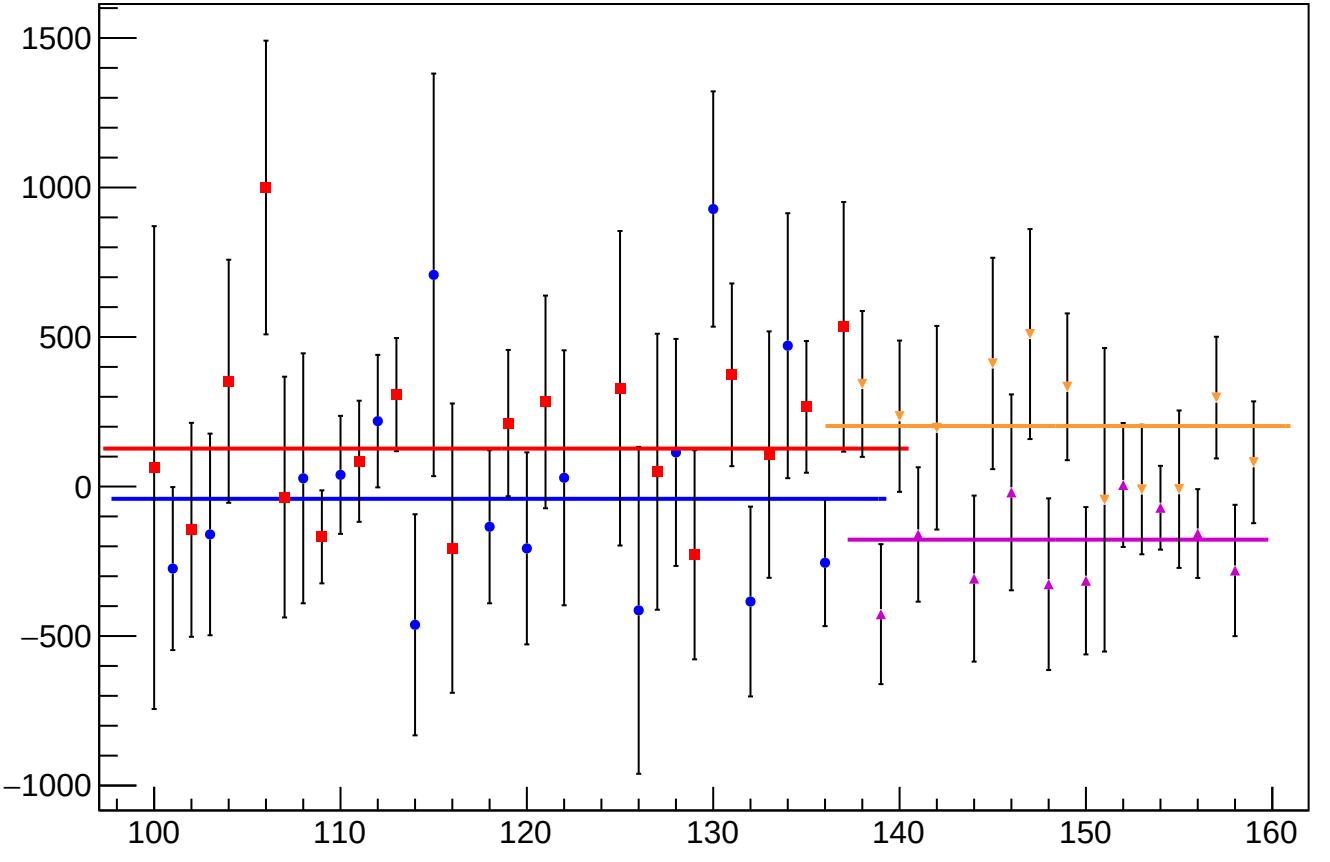
Left In: 31.715+/-0.008 χ^2/NDF:53137.5/9

+ sign 31.369+/-0.006 χ^2/NDF: 3275691.5/26

All: 31.363+/-0.004 χ^2/NDF: 6870407.1/54

- sign 31.356+/-0.006 χ^2/NDF: 3594713.2/27

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

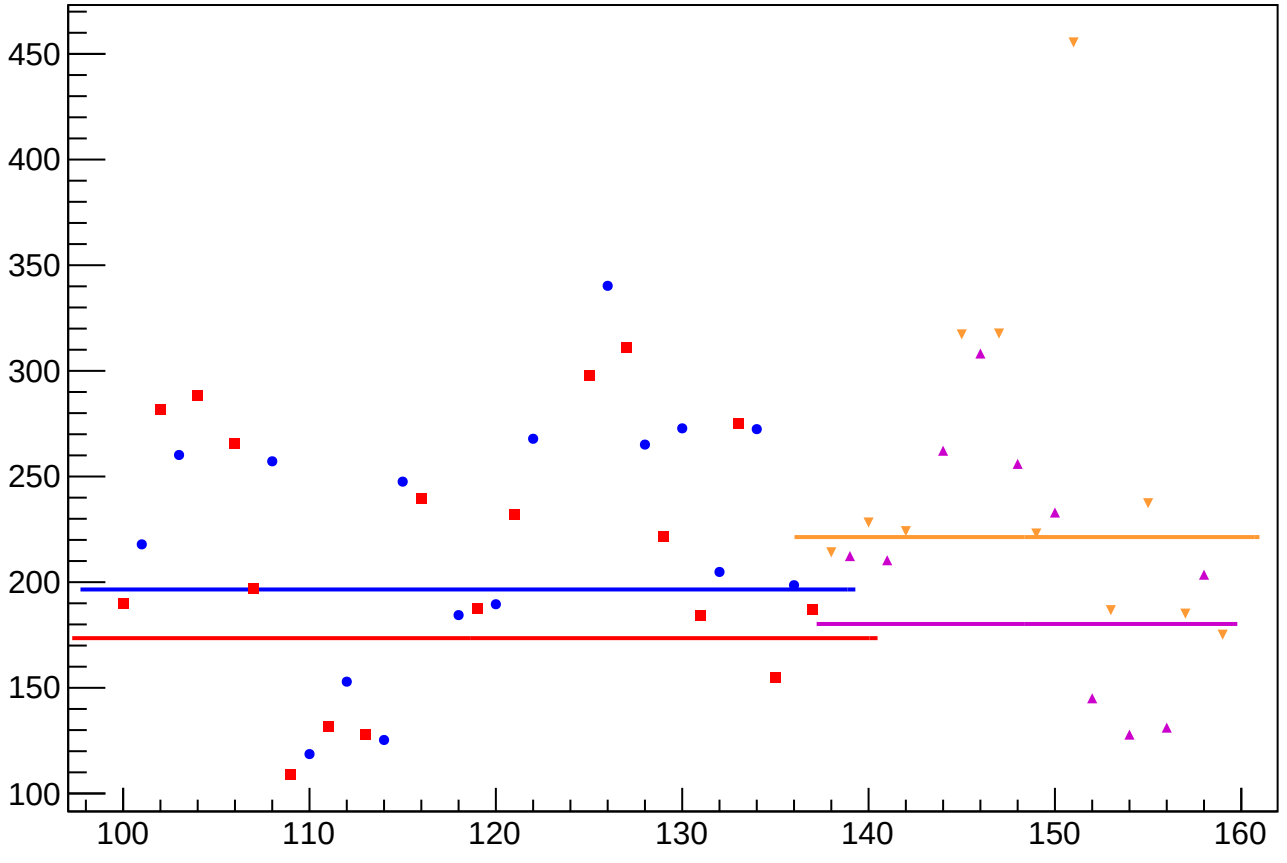
Left In: -177.698+/-66.045 χ^2/NDF:3.8/9

+ sign 78.315+/-55.072 χ^2/NDF: 24.7/26

All: 14.927+/-36.115 χ^2/NDF: 53.6/54

- sign -32.902+/-47.837 χ^2/NDF: 26.7/27

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

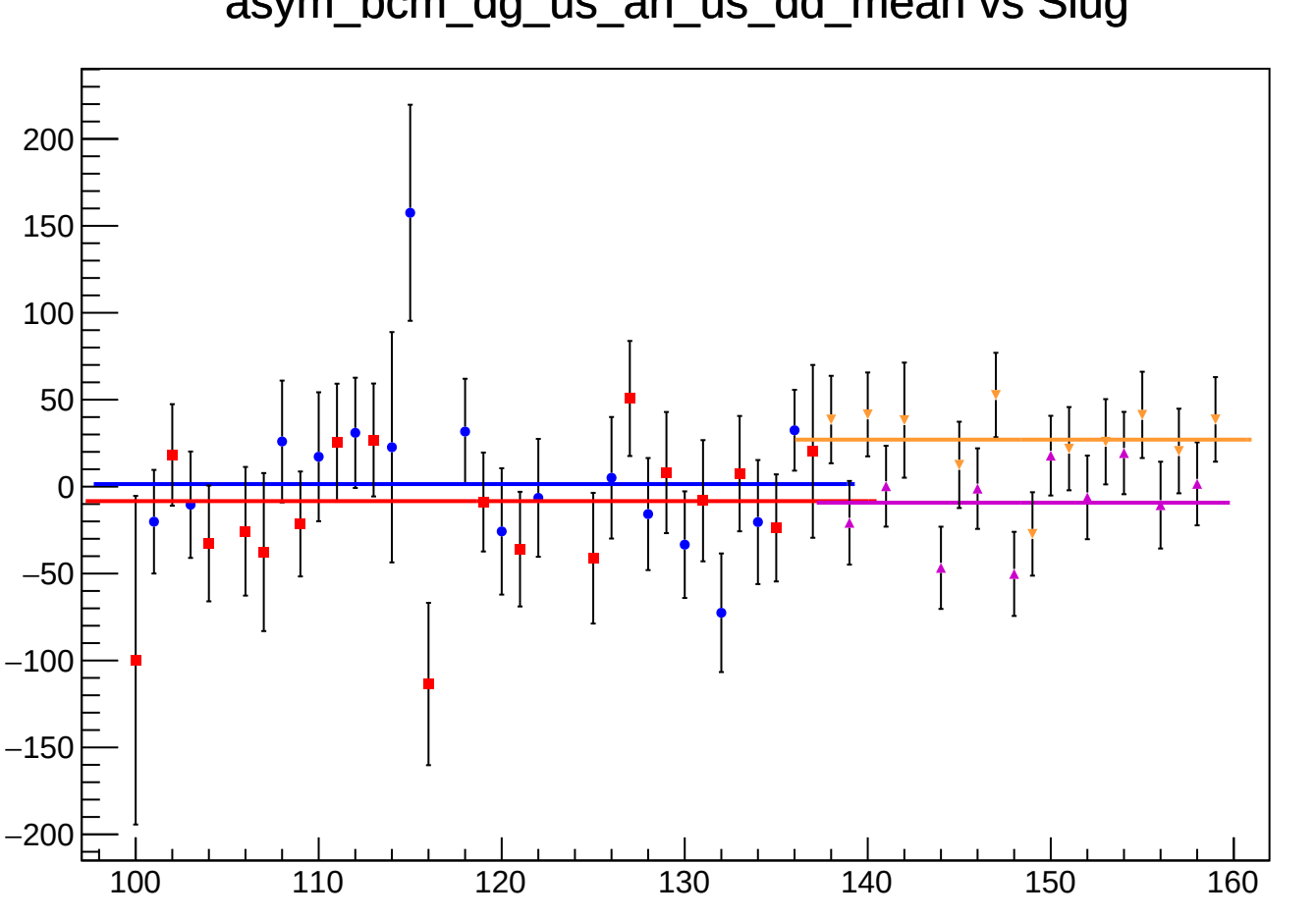
Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 180.222+/-0.047 χ^2/NDF:1362091.9/9

+ sign 208.703+/-0.039 χ^2/NDF: 2053440.1/26

All: 190.651+/-0.026 χ^2/NDF: 5335091.0/54

- sign 177.031+/-0.034 χ^2/NDF: 2904632.8/27



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

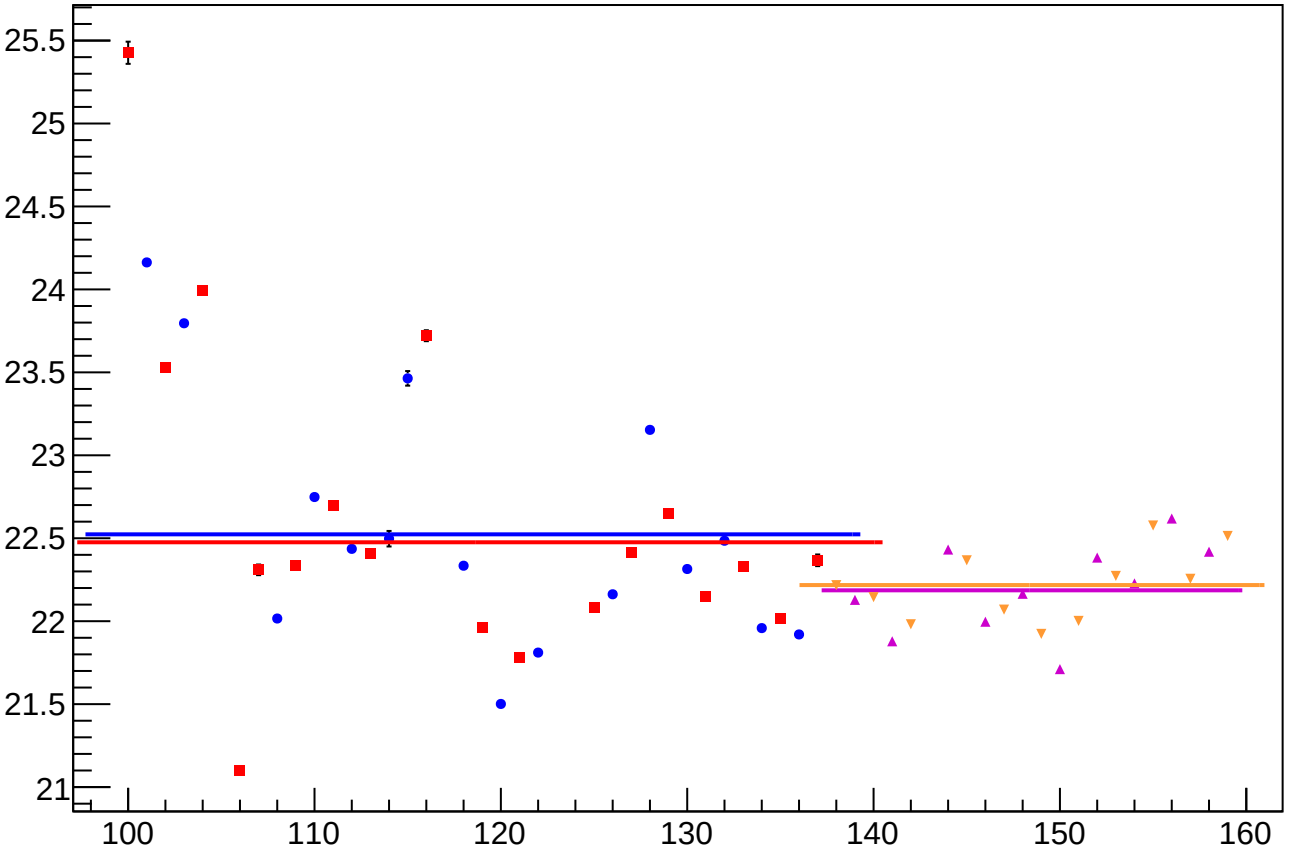
Left In: -9.222+/-7.513 χ^2/NDF:9.0/9

+ sign 15.615+/-5.594 χ^2/NDF: 31.8/26

All: 3.336+/-3.946 χ^2/NDF: 66.4/54

- sign -8.819+/-5.566 χ^2/NDF: 25.0/27

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

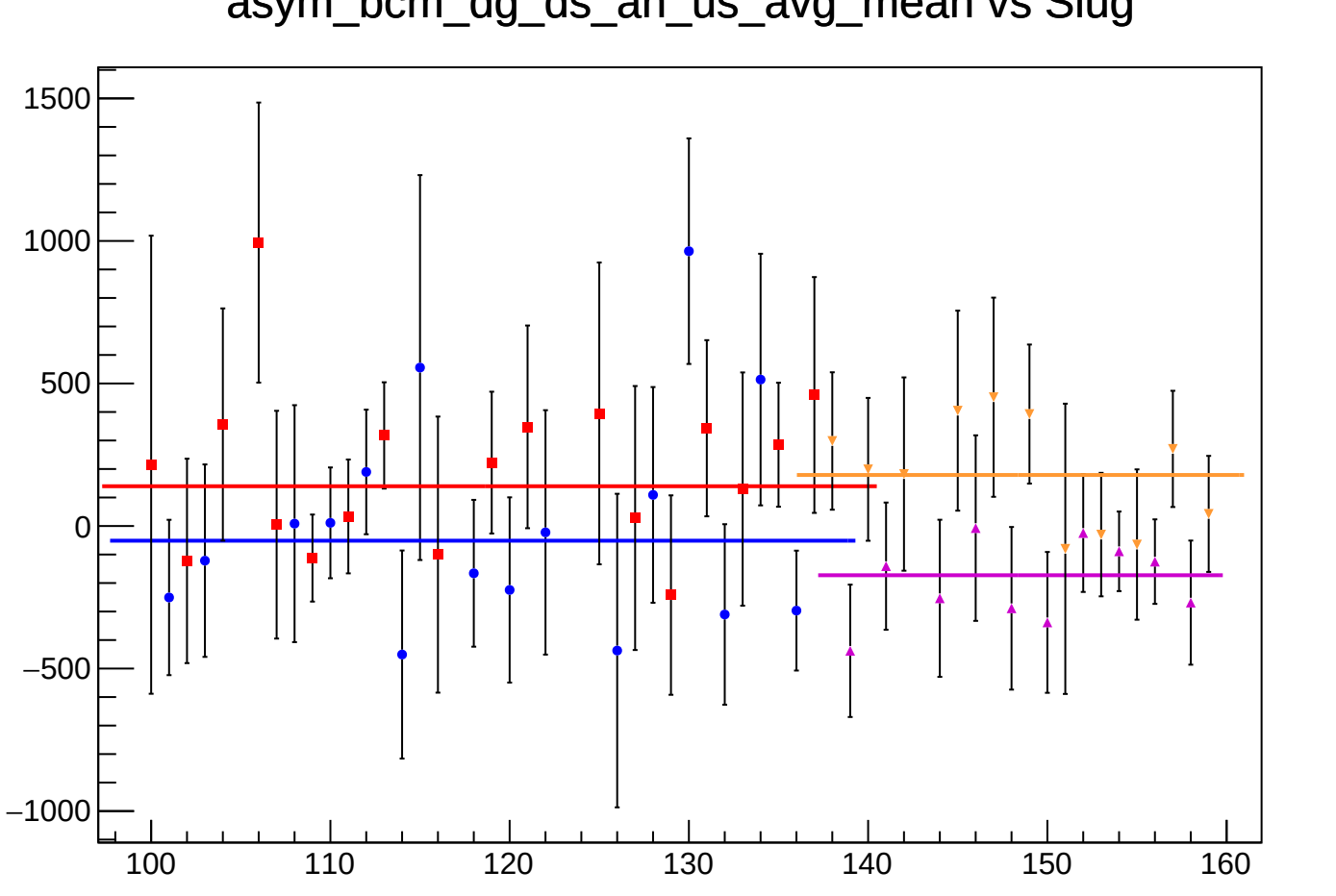
Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.186+/-0.005 χ^2/NDF:2502.2/9

+ sign 22.354+/-0.004 χ^2/NDF: 18885.7/26

All: 22.335+/-0.003 χ^2/NDF: 38310.9/54

- sign 22.317+/-0.004 χ^2/NDF: 19379.7/27



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

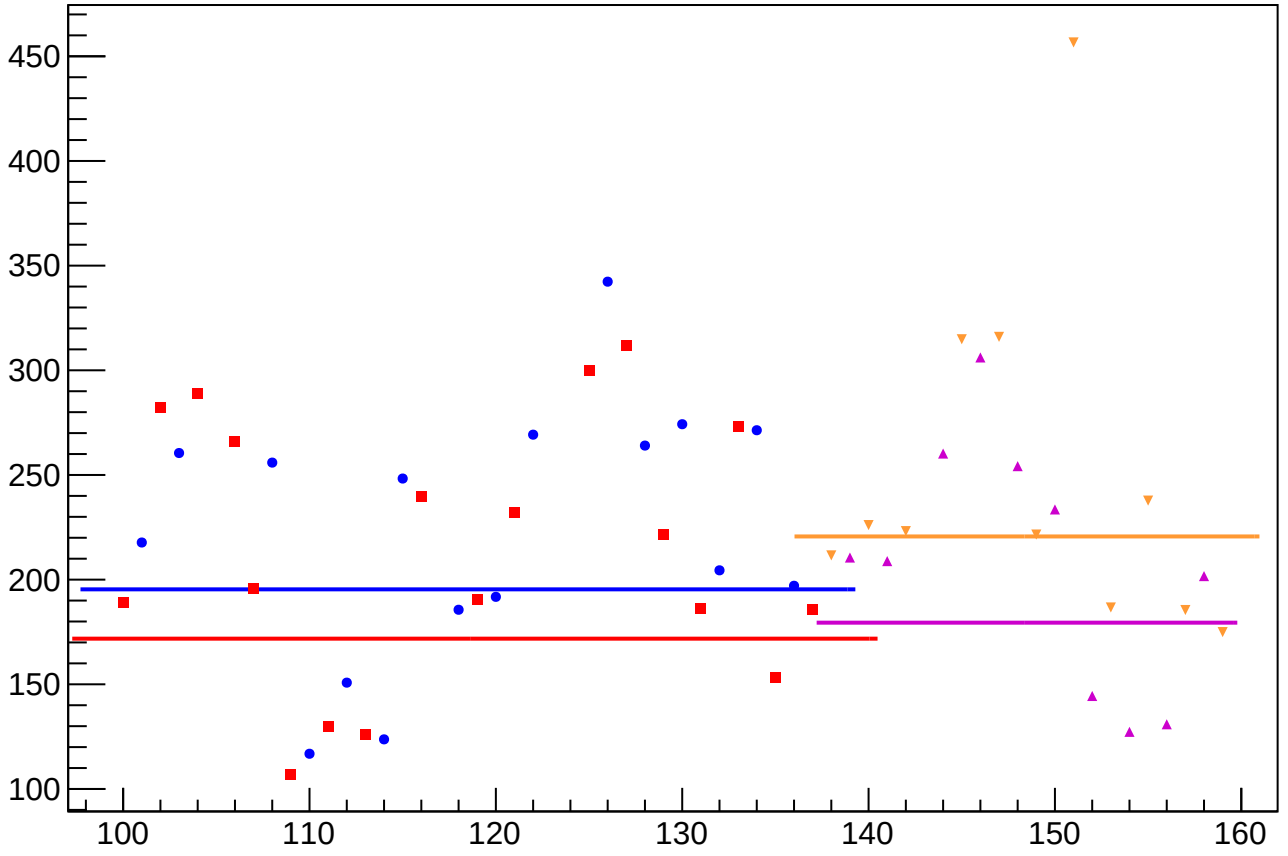
Left In: -172.680+/-65.759 χ^2/NDF:3.5/9

+ sign 61.400+/-54.858 χ^2/NDF: 24.5/26

All: 12.754+/-35.938 χ^2/NDF: 51.6/54

- sign -23.820+/-47.566 χ^2/NDF: 25.8/27

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

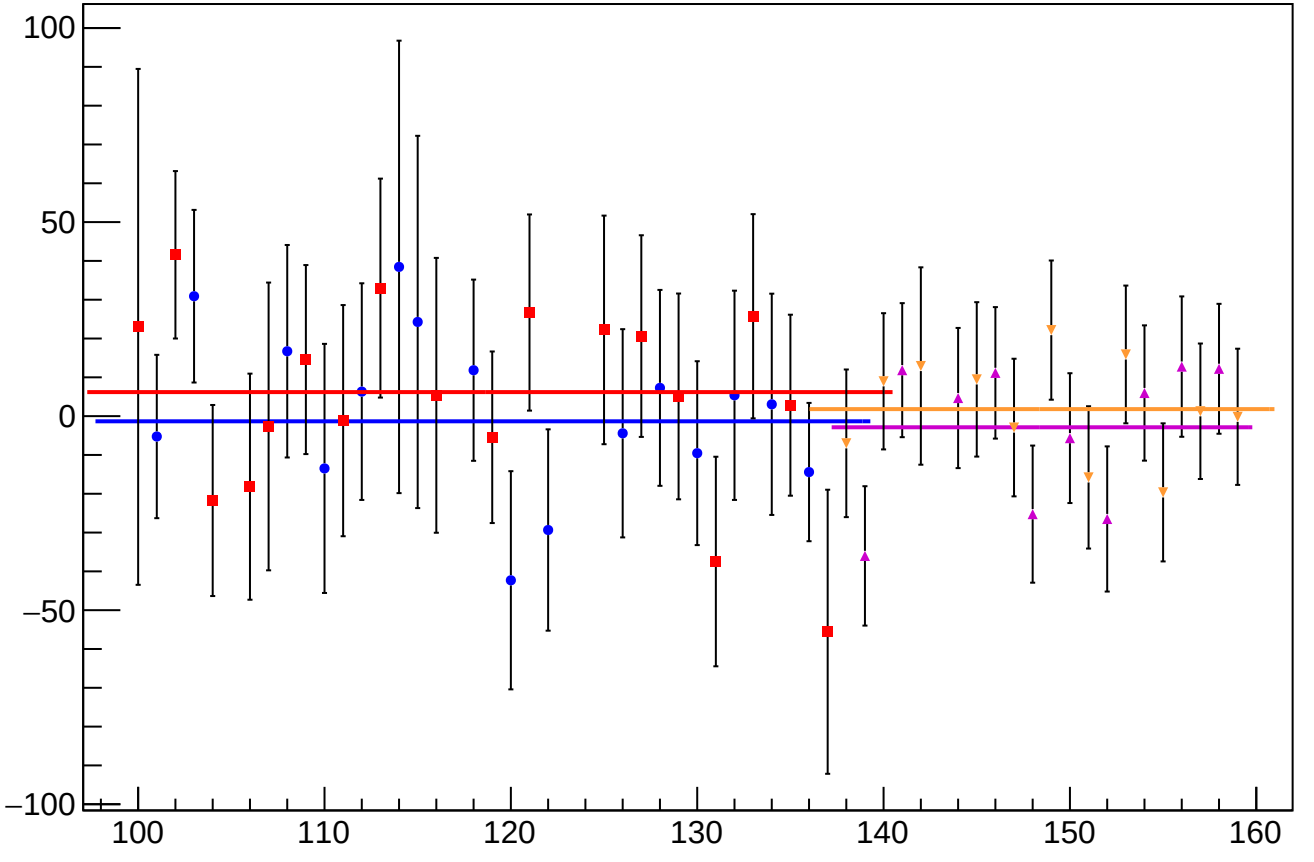
Left In: 179.444+/-0.046 χ^2/NDF:1350801.4/9

+ sign 207.736+/-0.039 χ^2/NDF: 2092145.4/26

All: 189.507+/-0.025 χ^2/NDF: 5443358.6/54

- sign 175.802+/-0.034 χ^2/NDF: 2964332.9/27

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

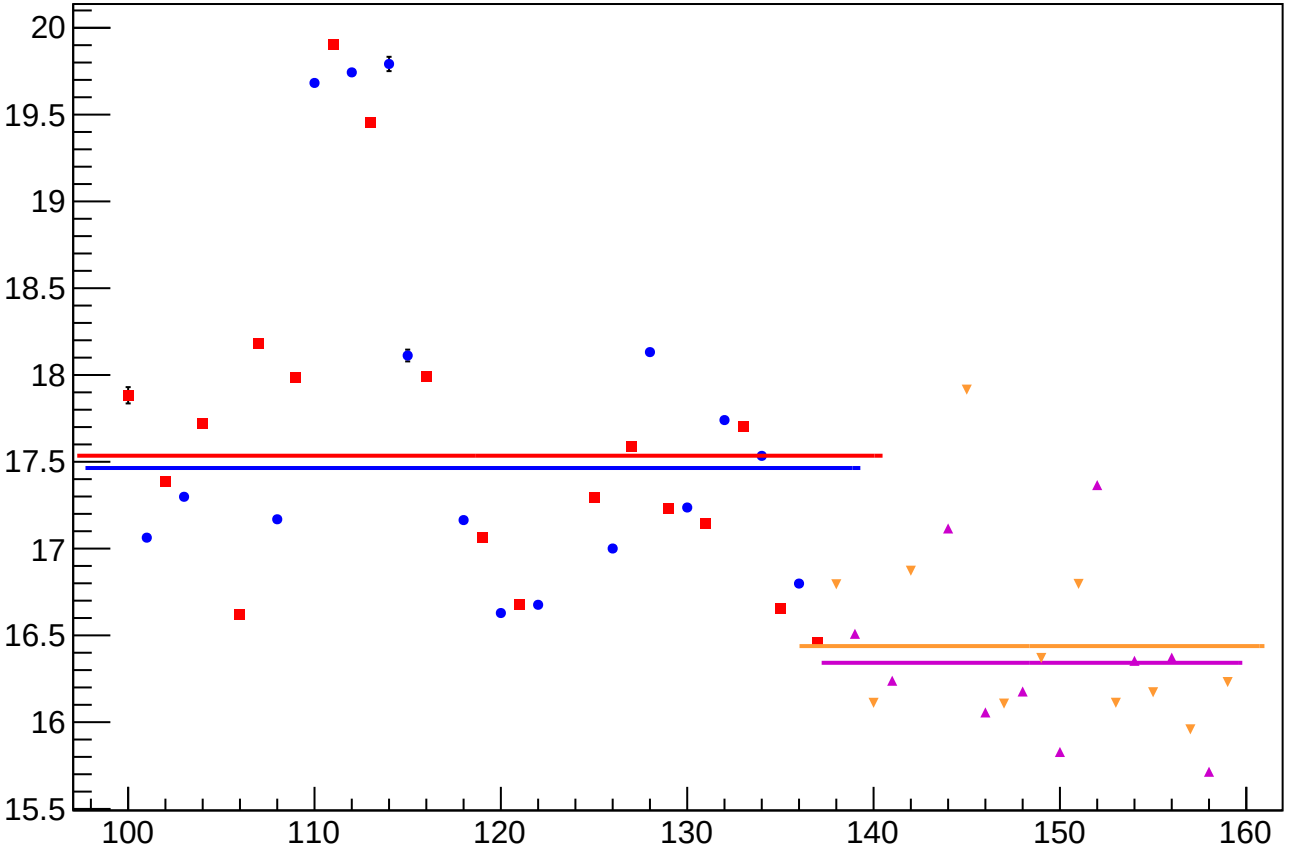
Left In: -2.870+/-5.542 χ^2/NDF:10.0/9

+ sign 0.479+/-4.230 χ^2/NDF: 13.3/26

All: 0.723+/-2.984 χ^2/NDF: 37.9/54

- sign 0.964+/-4.210 χ^2/NDF: 24.6/27

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

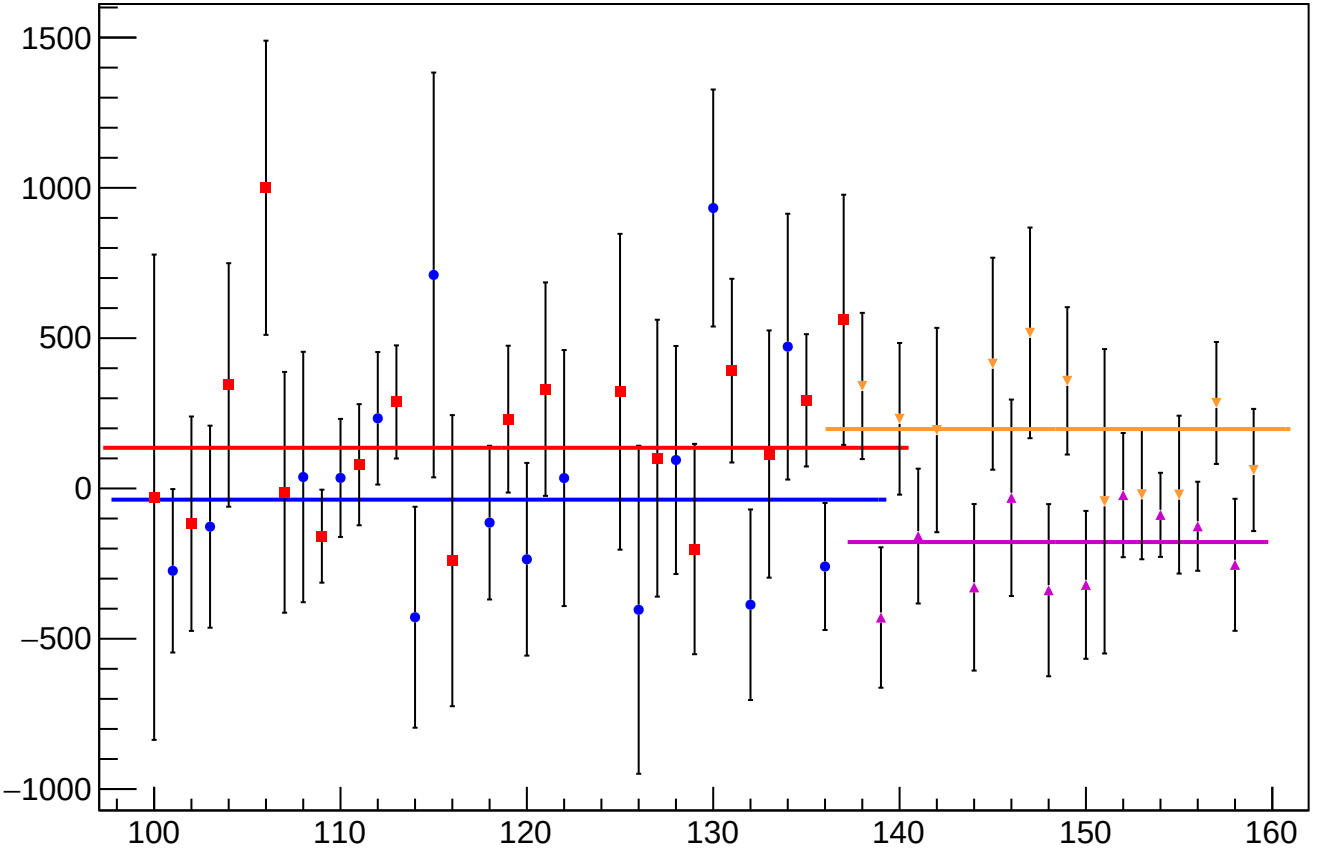
Left In: 16.342+/-0.004 χ^2/NDF:15358.8/9

+ sign 16.873+/-0.003 χ^2/NDF: 82783.4/26

All: 16.860+/-0.002 χ^2/NDF: 171859.5/54

- sign 16.847+/-0.003 χ^2/NDF: 89037.3/27

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

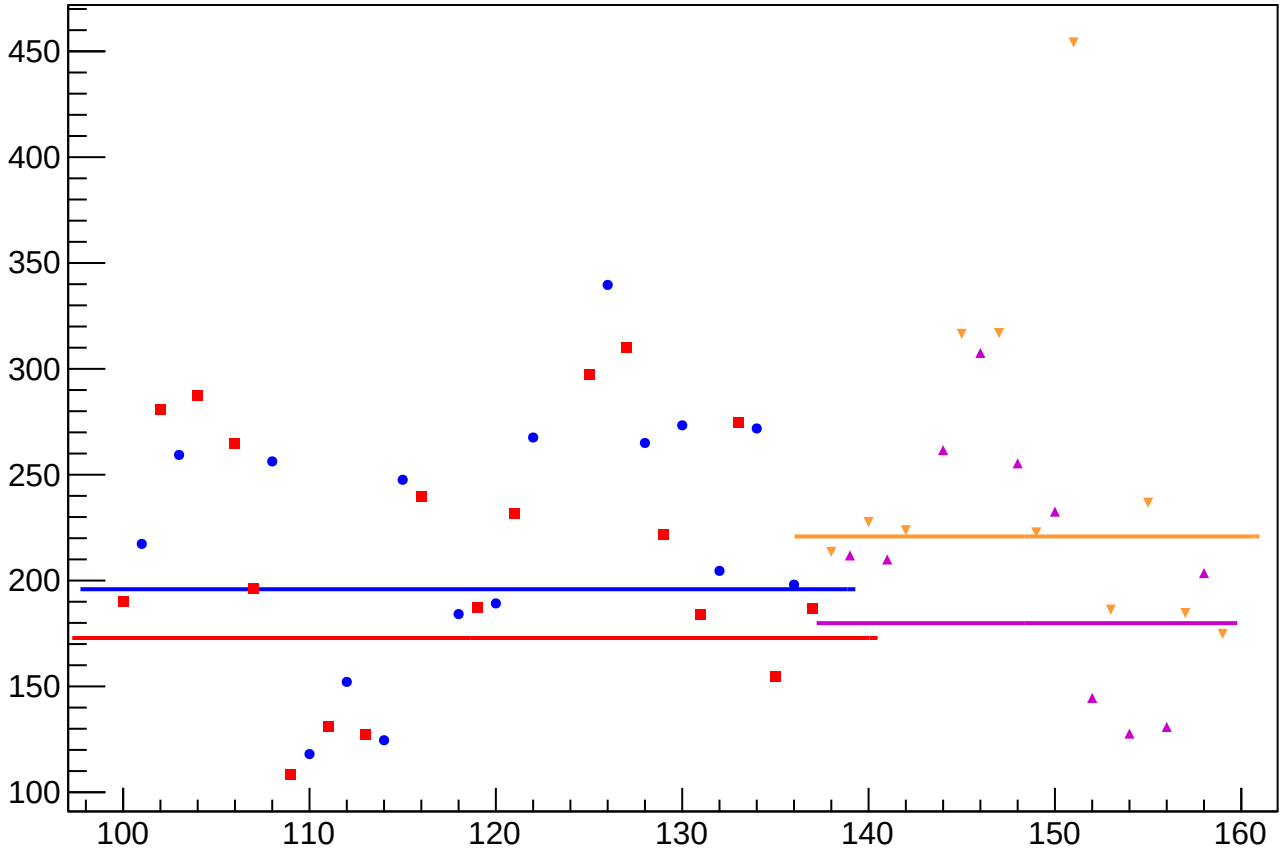
Left In: -178.273+/-65.920 χ^2/NDF:3.5/9

+ sign 77.860+/-54.928 χ^2/NDF: 24.8/26

All: 16.954+/-36.022 χ^2/NDF: 54.1/54

- sign -29.008+/-47.716 χ^2/NDF: 27.1/27

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

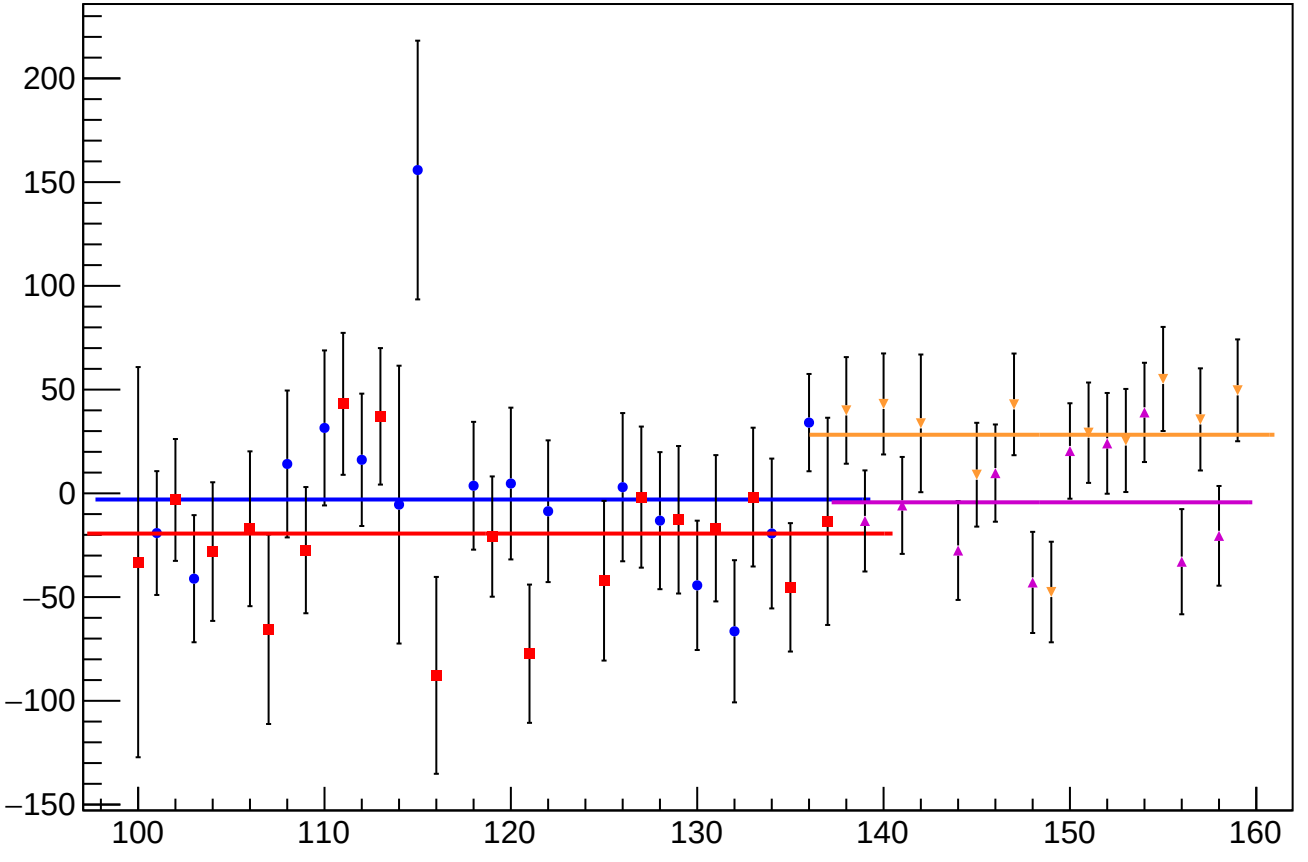
Left In: 179.884+/-0.047 χ^2/NDF:1361778.3/9

+ sign 208.118+/-0.039 χ^2/NDF: 2065077.9/26

All: 190.125+/-0.025 χ^2/NDF: 5357460.2/54

- sign 176.547+/-0.034 χ^2/NDF: 2915807.5/27

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

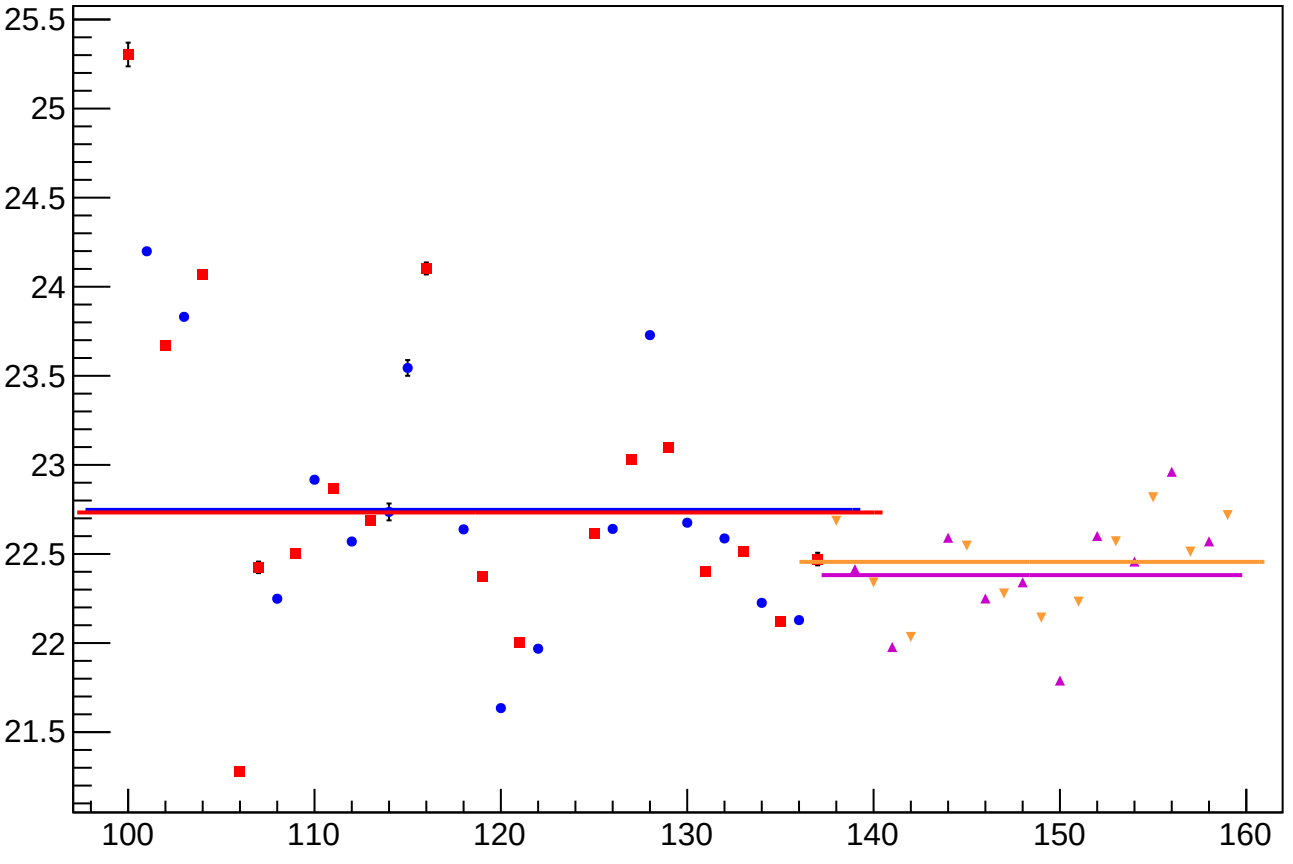
Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: -4.324+/-7.580 χ^2/NDF:11.5/9

+ sign 14.290+/-5.653 χ^2/NDF: 38.8/26

All: 1.525+/-3.986 χ^2/NDF: 76.7/54

- sign -11.101+/-5.622 χ^2/NDF: 27.8/27



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

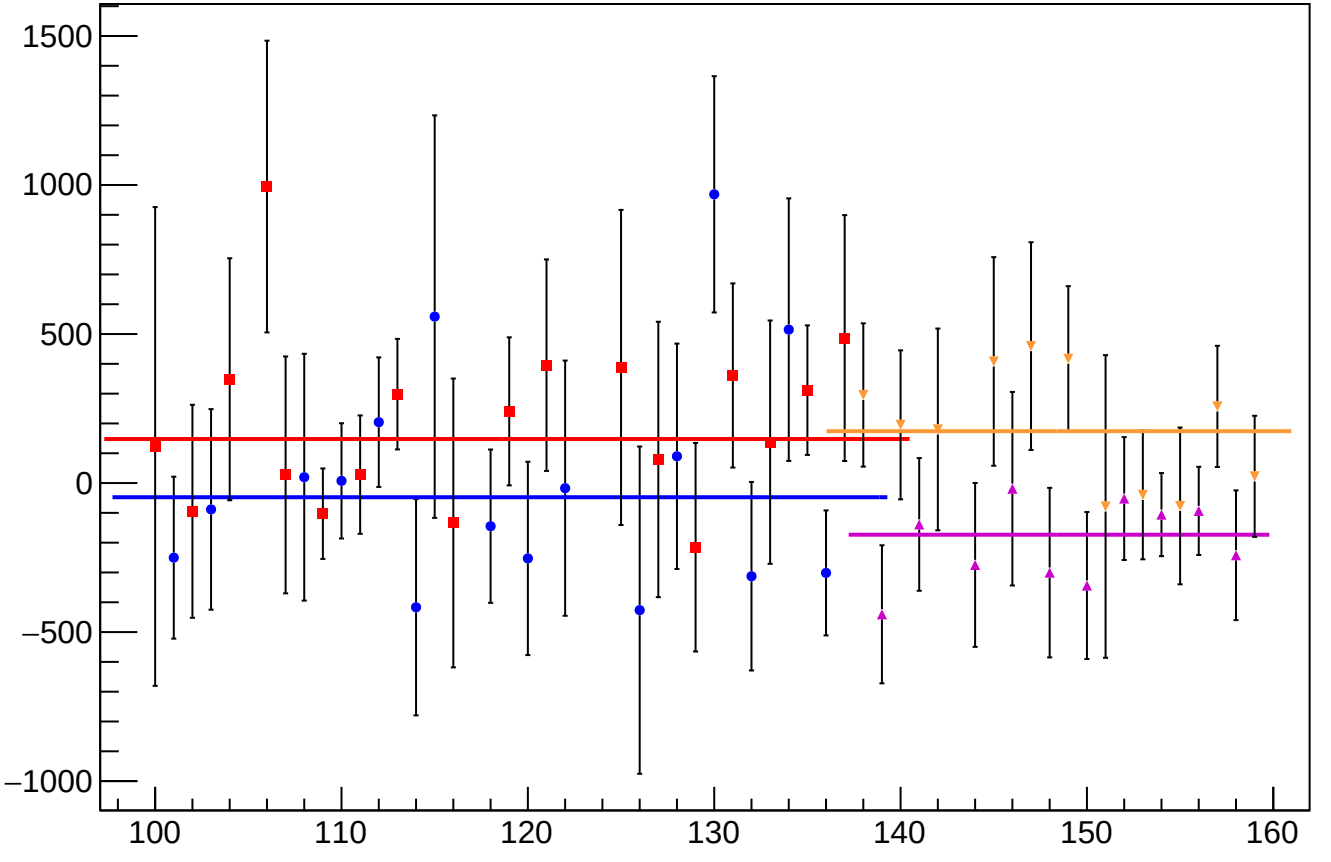
Left In: 22.381+/-0.005 χ^2/NDF:3503.6/9

\+ sign 22.586+/-0.004 χ^2/NDF: 17803.9/26

All: 22.563+/-0.003 χ^2/NDF: 37701.8/54

\- sign 22.540+/-0.004 χ^2/NDF: 19829.4/27

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

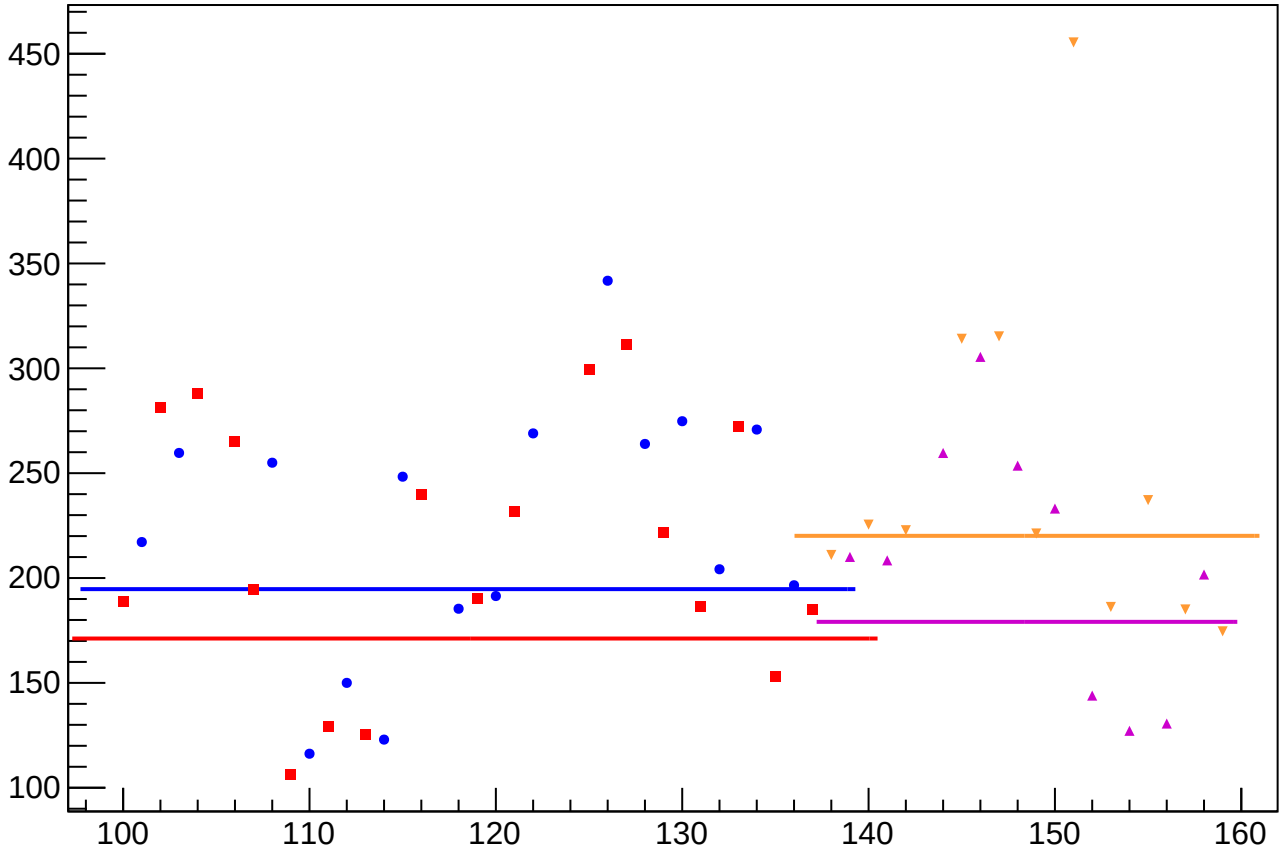
Left In: -173.324+/-65.634 χ^2/NDF:3.4/9

+ sign 60.944+/-54.713 χ^2/NDF: 24.7/26

All: 14.747+/-35.844 χ^2/NDF: 52.3/54

- sign -19.988+/-47.444 χ^2/NDF: 26.3/27

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

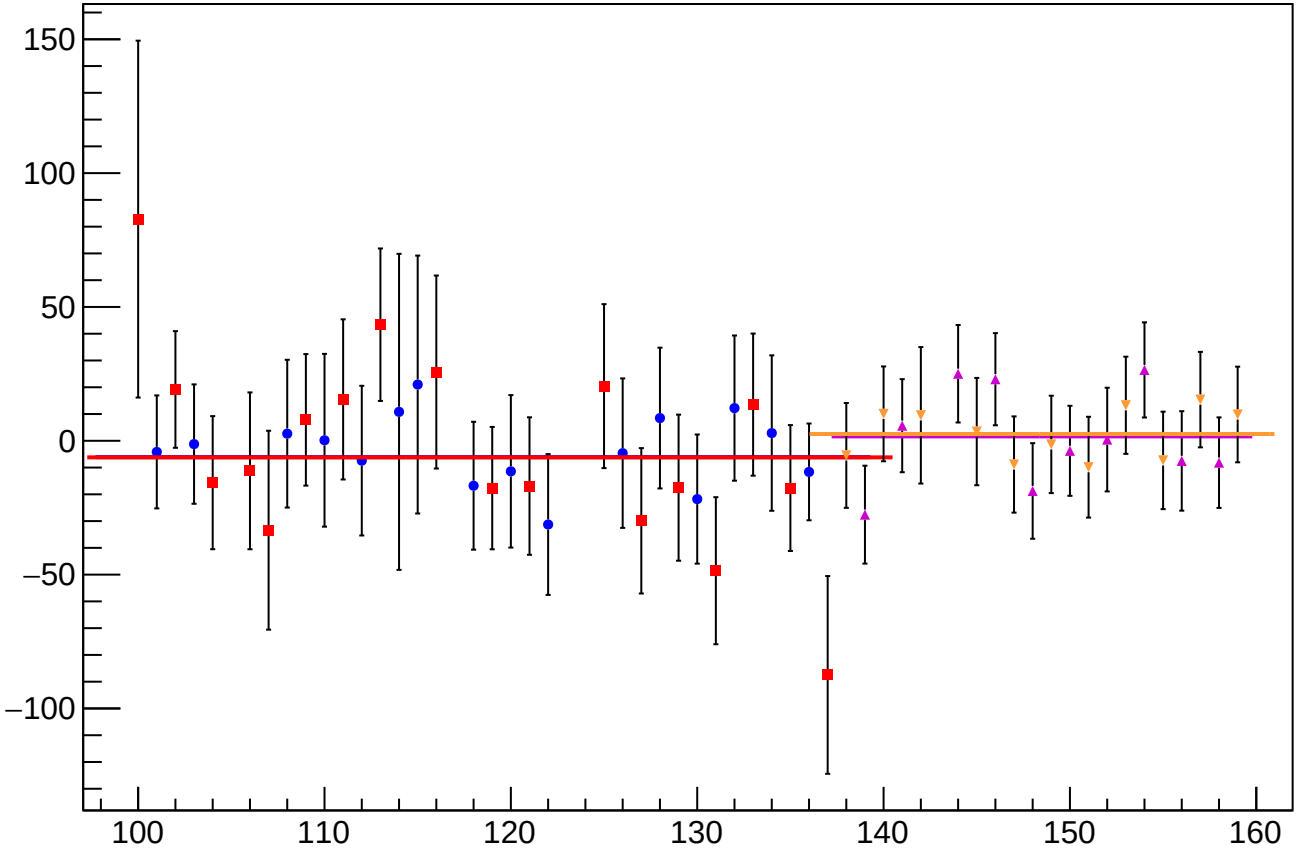
Left In: 179.108+/-0.046 χ^2/NDF:1350367.1/9

+ sign 207.146+/-0.039 χ^2/NDF: 2104525.1/26

All: 188.975+/-0.025 χ^2/NDF: 5467332.1/54

- sign 175.311+/-0.034 χ^2/NDF: 2976318.7/27

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

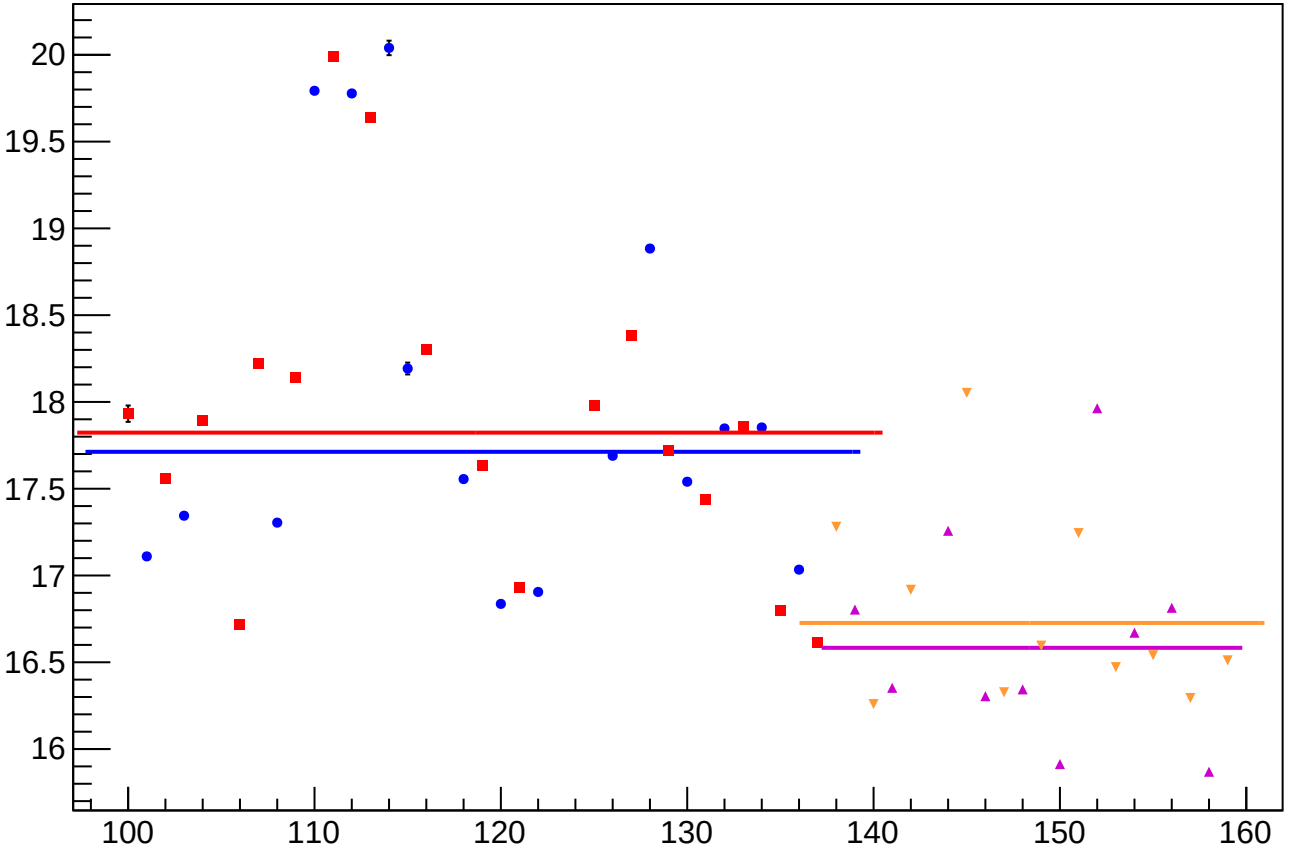
Left In: 1.644+/-5.627 χ^2/NDF:9.7/9

+ sign -1.142+/-4.299 χ^2/NDF: 6.8/26

All: -1.406+/-3.032 χ^2/NDF: 36.0/54

- sign -1.667+/-4.277 χ^2/NDF: 29.2/27

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

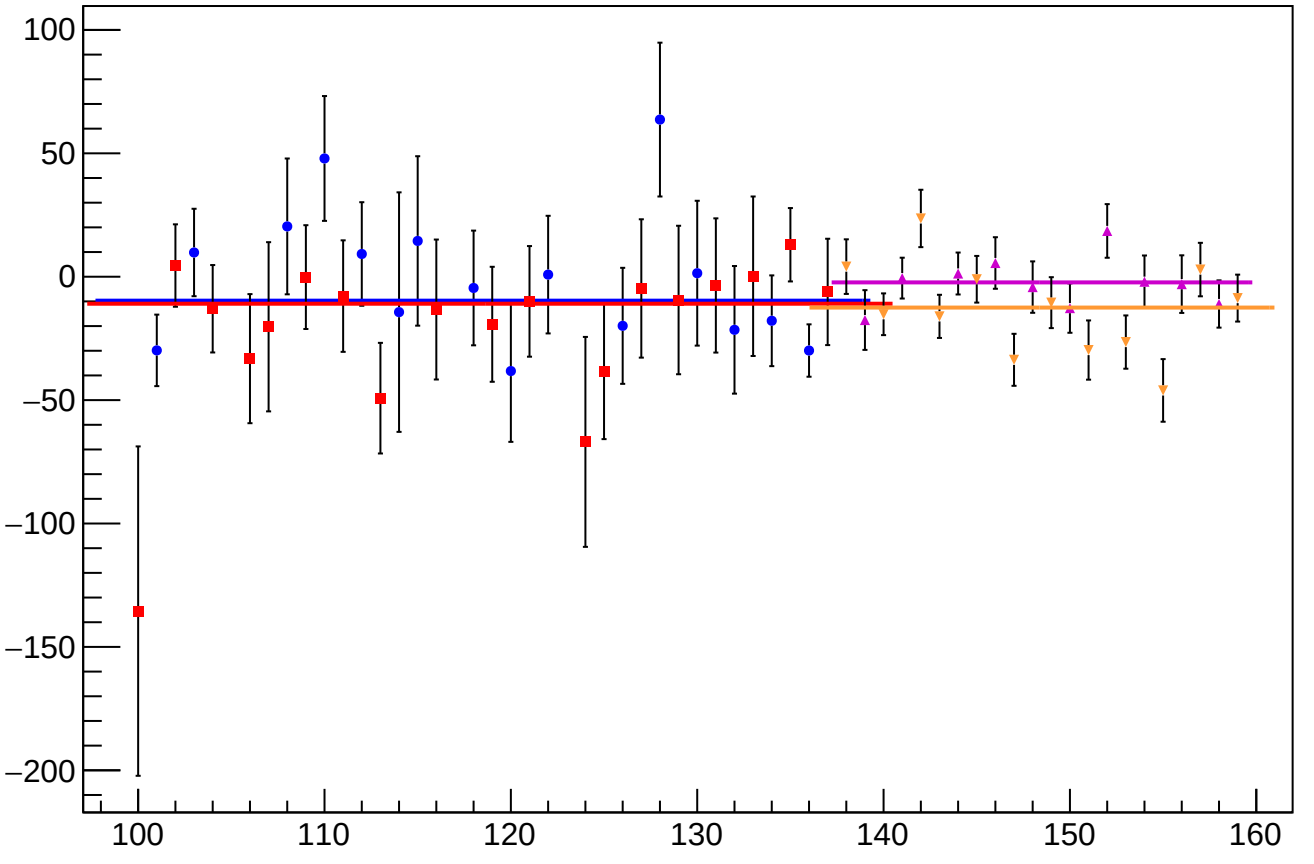
Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

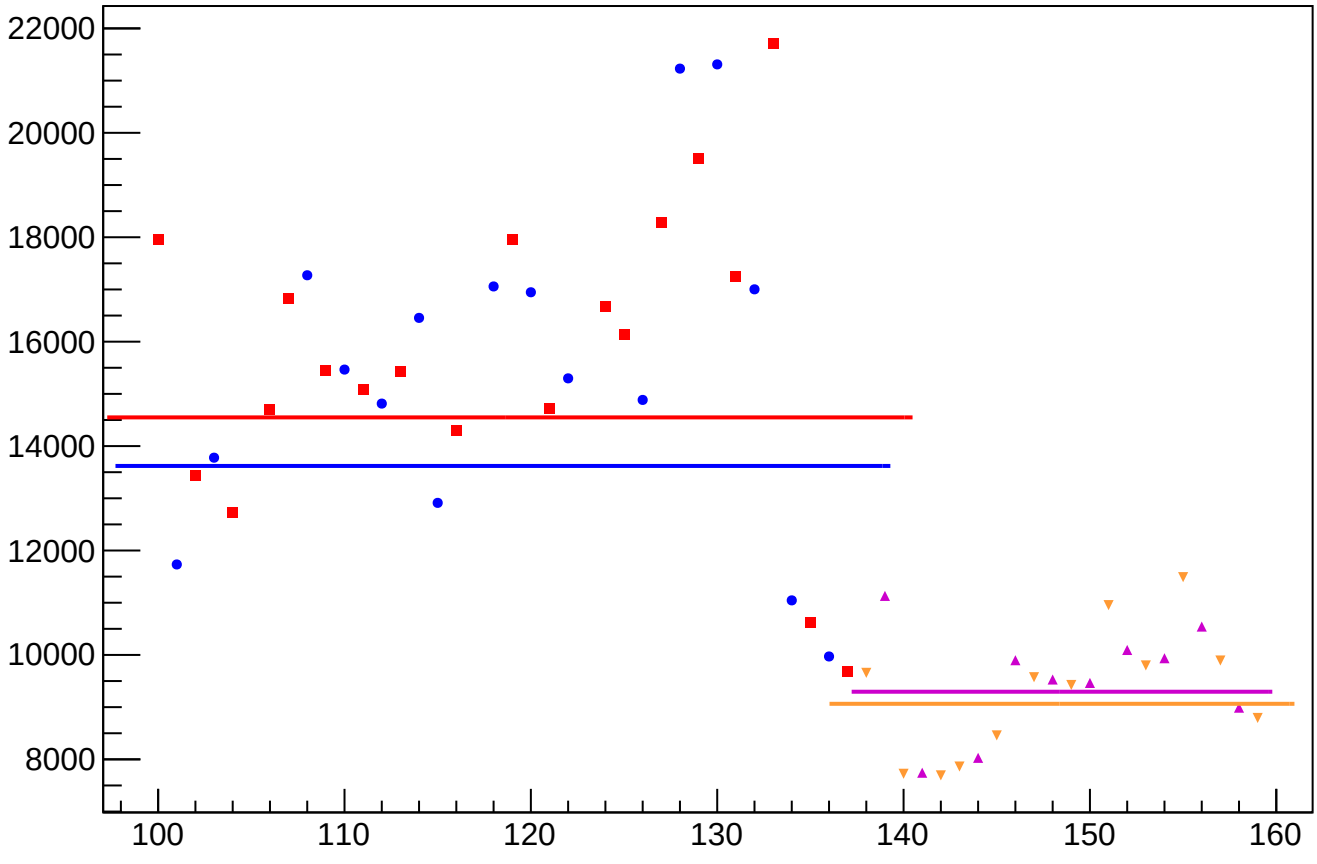
Left In: 16.583+/-0.004 χ^2/NDF:21523.1/9

+ sign 17.146+/-0.003 χ^2/NDF: 78213.4/26

All: 17.126+/-0.002 χ^2/NDF: 173341.5/54

- sign 17.107+/-0.003 χ^2/NDF: 95044.8/27


diff_bpm_4aX_4acX_avg_mean vs Slug
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -12.499+/-2.968 χ²/NDF:30.6/11
Right Out: -10.938+/-5.436 χ²/NDF: 14.1/18
Left In: -2.299+/-3.174 χ²/NDF:8.0/9
+ sign -11.818+/-2.581 χ²/NDF: 52.8/27
All: -8.377+/-1.879 χ²/NDF: 80.6/56
- sign -4.496+/-2.741 χ²/NDF: 24.0/28



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

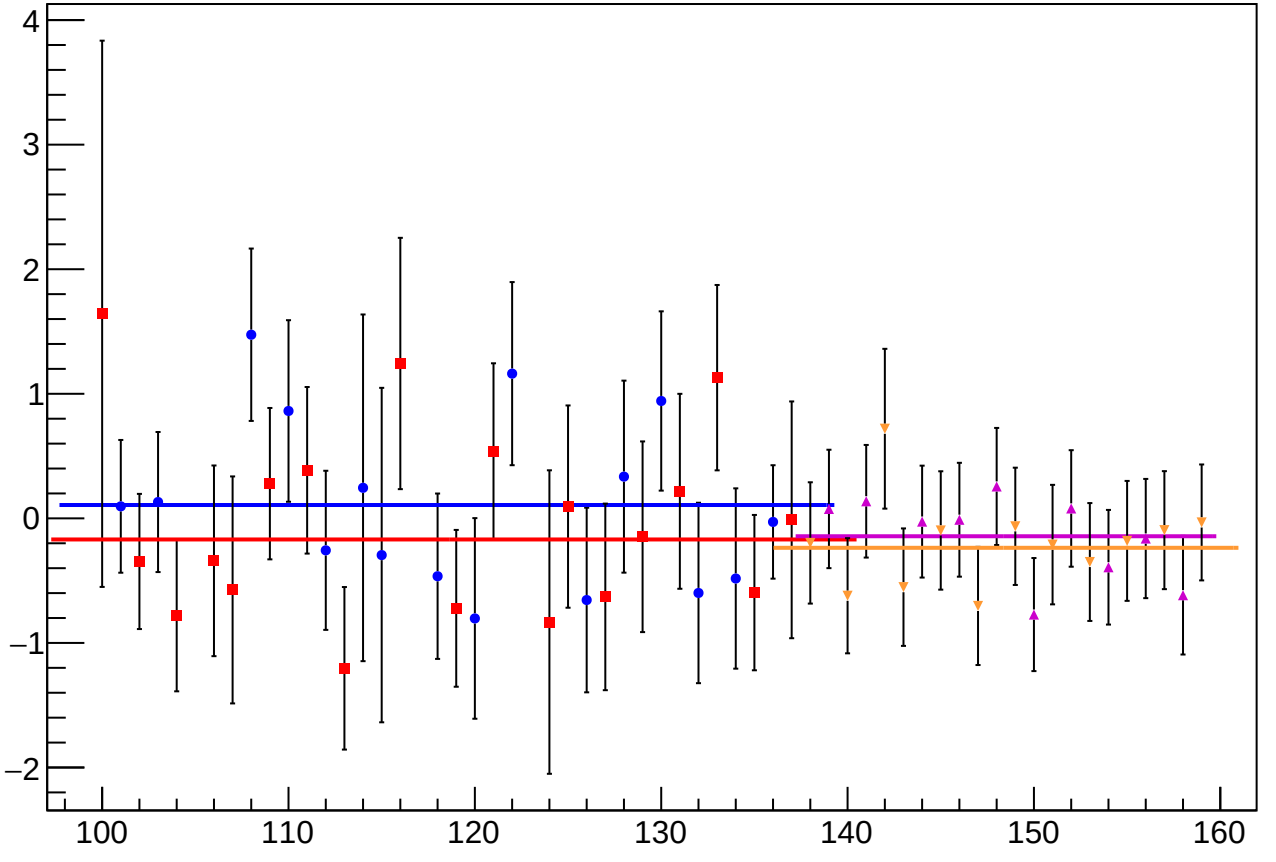
Left In: 9295.269+/-2.245 χ^2/NDF:212026.3/9

+ sign 10173.112+/-1.825 χ^2/NDF: 2176714.9/27

All: 10388.422+/-1.329 χ^2/NDF: 4367643.6/5

- sign 10631.237+/-1.938 χ^2/NDF: 2161319.6/28

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

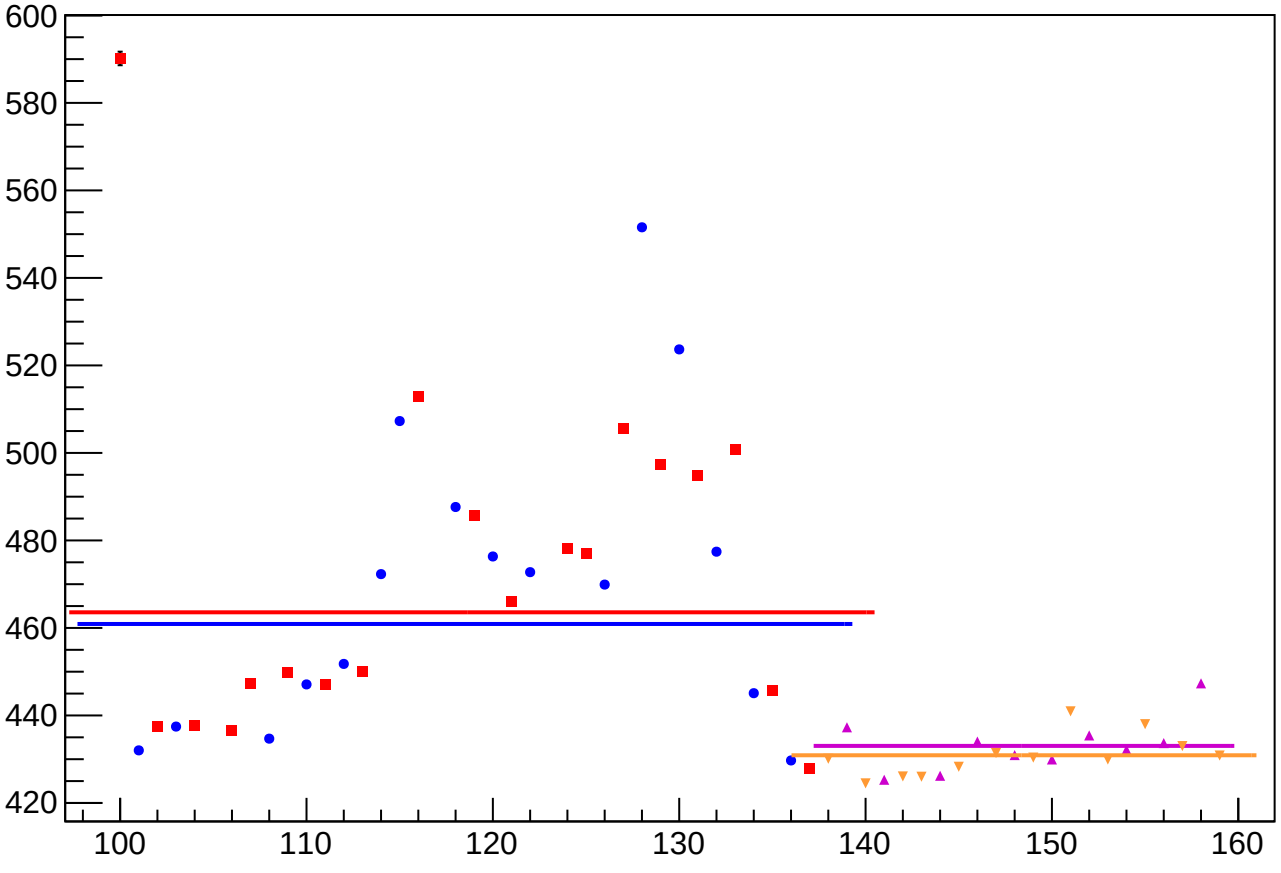
Left In: -0.144+/-0.147 χ^2/NDF:4.9/9

+ sign -0.100+/-0.108 χ^2/NDF: 21.0/27

All: -0.127+/-0.077 χ^2/NDF: 40.1/56

- sign -0.155+/-0.111 χ^2/NDF: 19.0/28

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

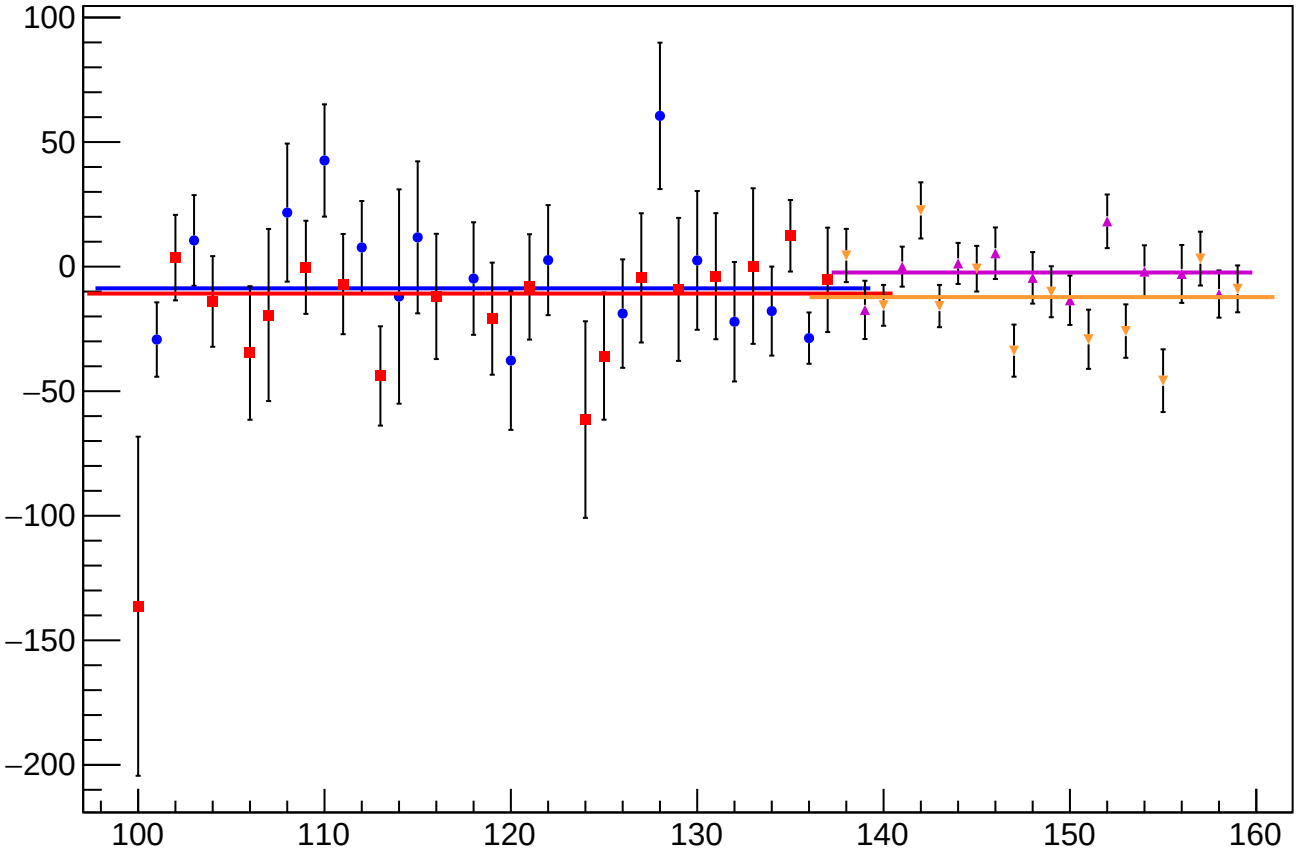
Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 433.042+/-0.104 χ^2/NDF:3216.0/9

+ sign 442.826+/-0.077 χ^2/NDF: 113878.0/27

All: 444.431+/-0.055 χ^2/NDF: 207302.6/56

- sign 446.115+/-0.078 χ^2/NDF: 92523.6/28



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

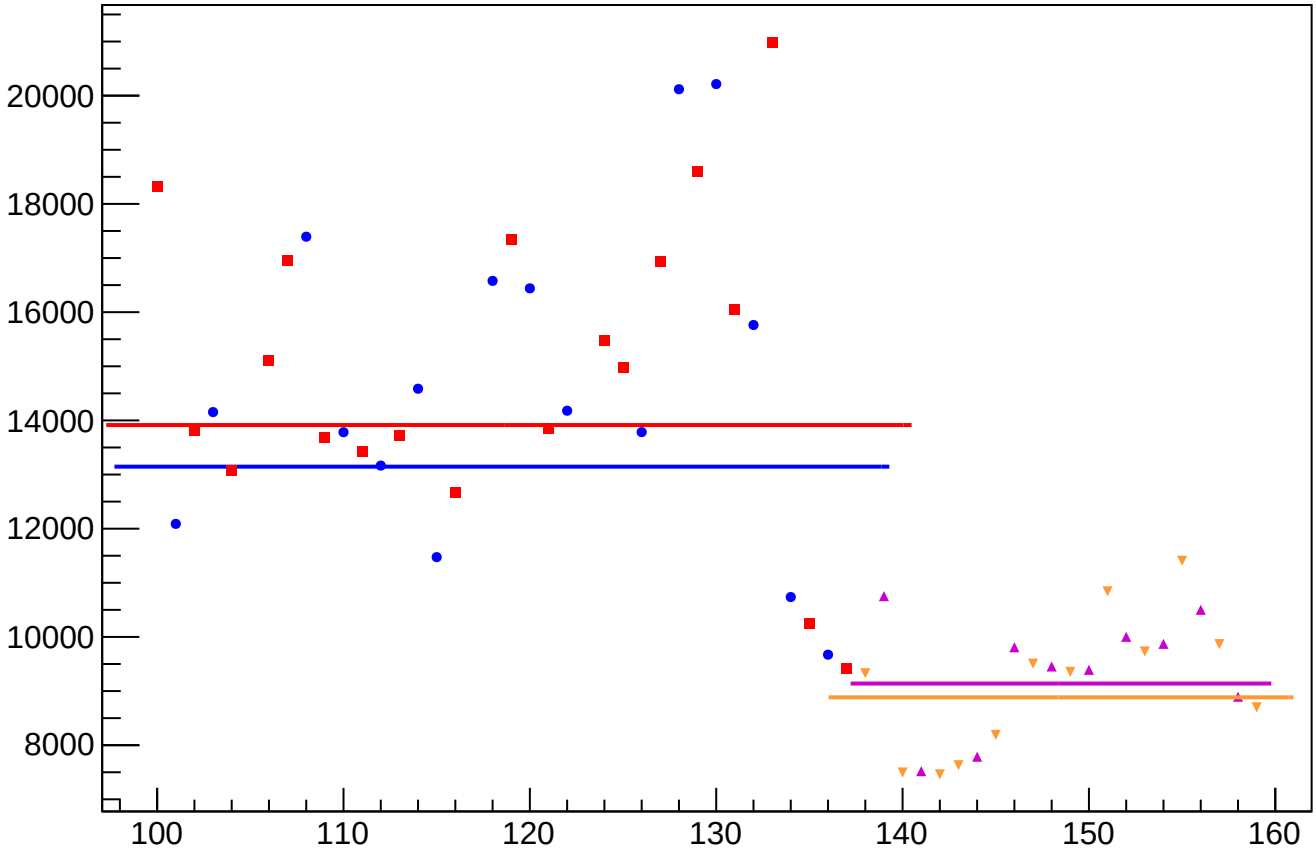
Left In: -2.363+/-3.123 χ^2/NDF:8.3/9

+ sign -11.345+/-2.521 χ^2/NDF: 53.7/27

All: -8.177+/-1.835 χ^2/NDF: 81.1/56

- sign -4.607+/-2.676 χ^2/NDF: 24.1/28

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

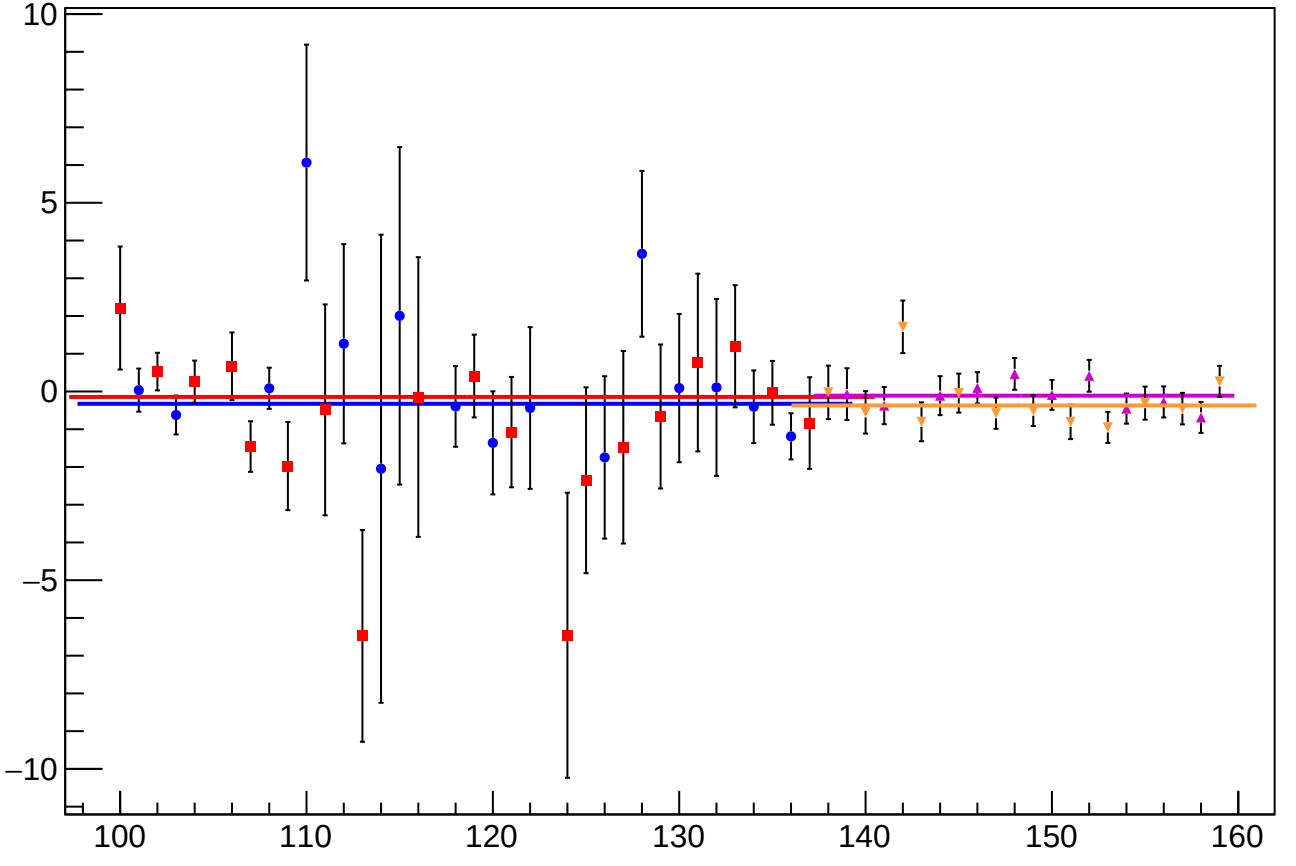
Left In: 9139.019+/-2.208 χ^2/NDF:236063.7/9

+ sign 9952.337+/-1.783 χ^2/NDF: 2079392.5/27

All: 10166.578+/-1.298 χ^2/NDF: 4099932.8/5

- sign 10407.984+/-1.892 χ^2/NDF: 1989821.5/28

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

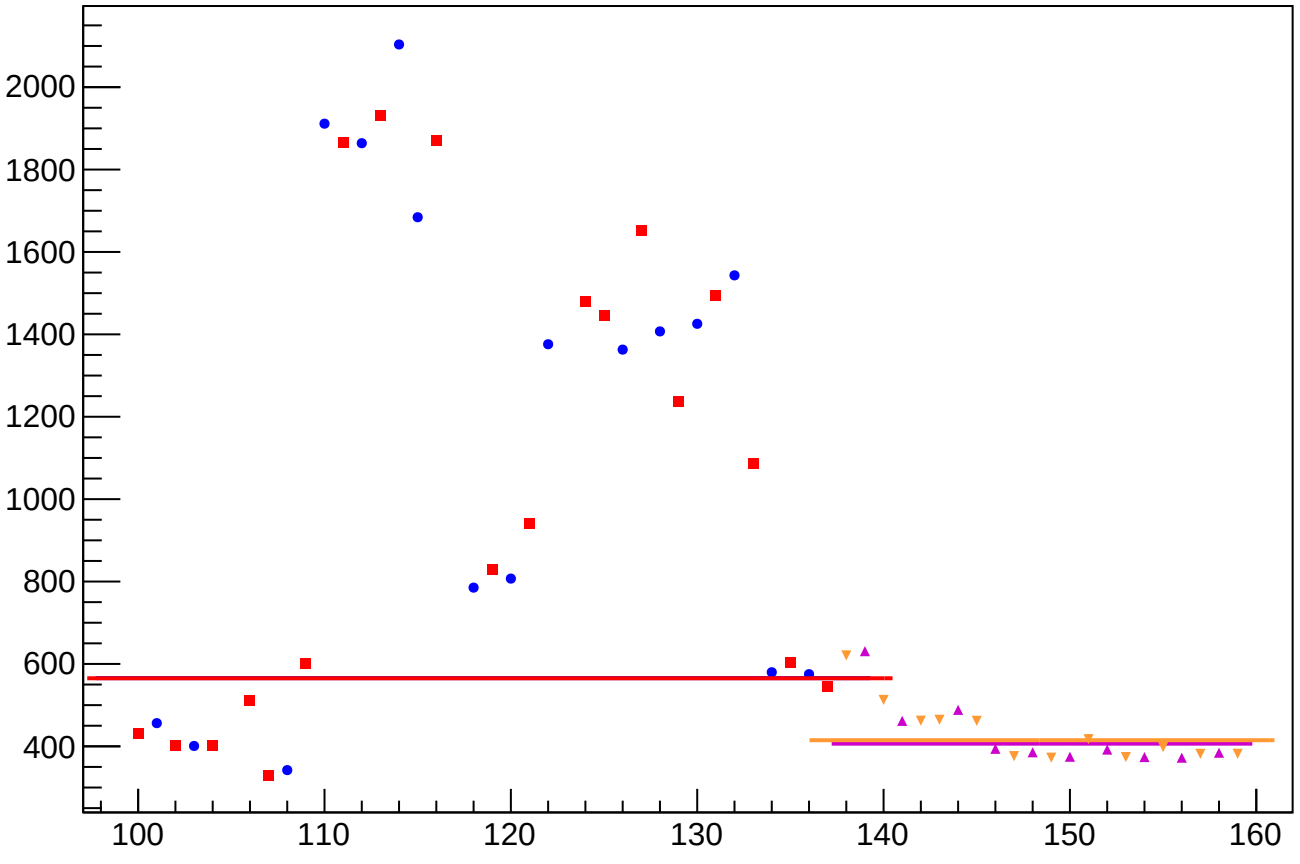
Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: -0.111+/-0.139 χ^2/NDF:6.9/9

+ sign -0.359+/-0.119 χ^2/NDF: 28.7/27

All: -0.241+/-0.085 χ^2/NDF: 60.0/56

- sign -0.119+/-0.121 χ^2/NDF: 29.3/28



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

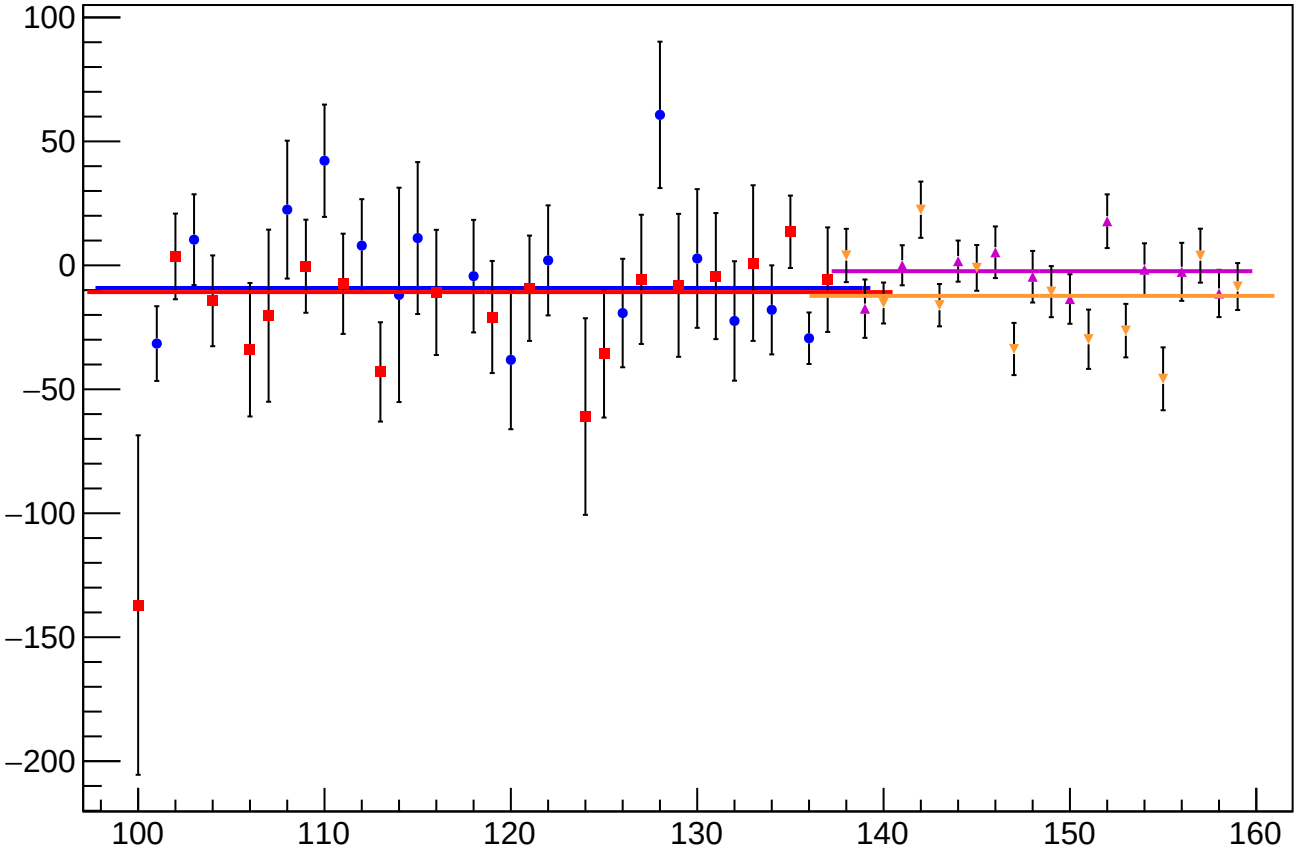
Left In: 406.511+/-0.098 χ^2/NDF:344099.1/9

+ sign 450.517+/-0.084 χ^2/NDF: 4392912.0/27

All: 448.004+/-0.060 χ^2/NDF: 8947395.7/56

- sign 445.398+/-0.086 χ^2/NDF: 4552660.3/28

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

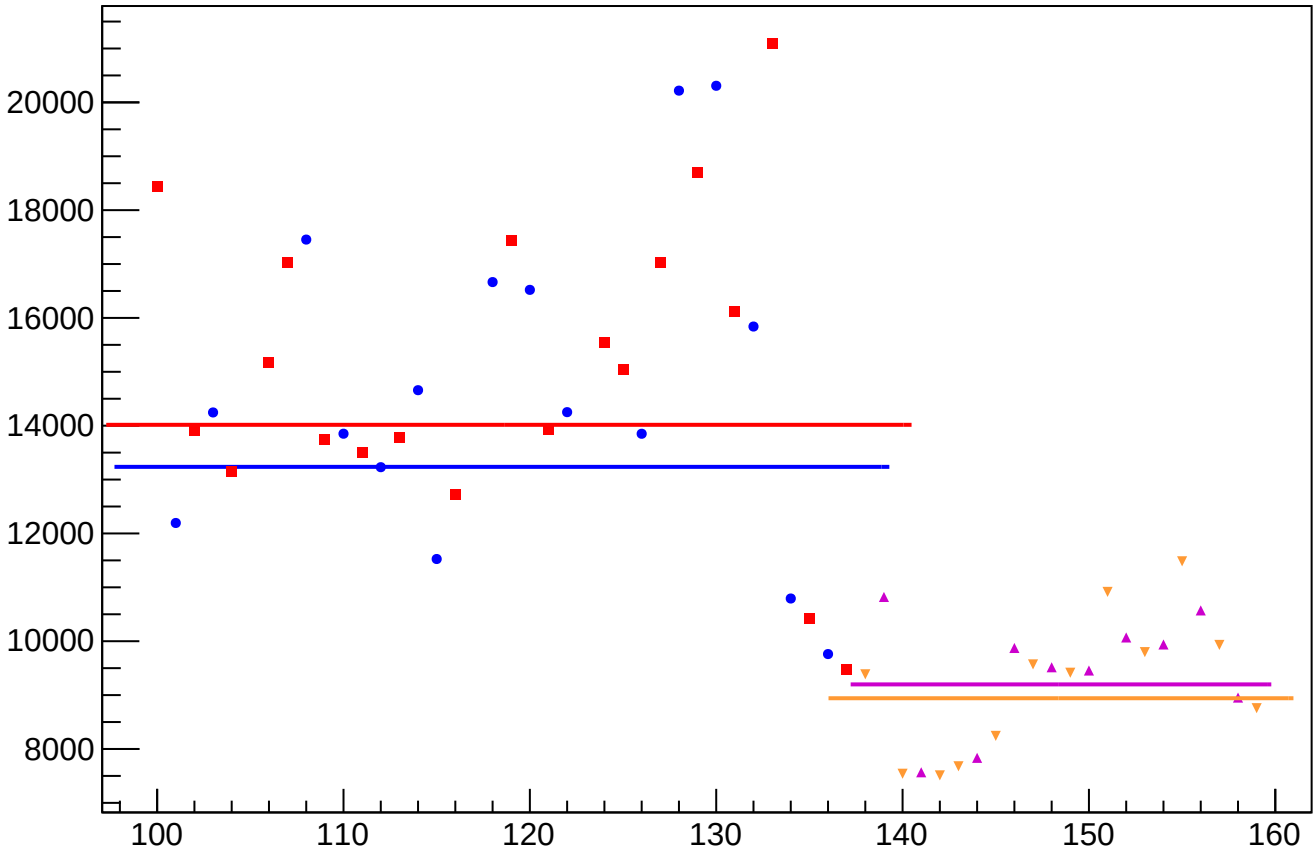
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -2.354+/-3.143 χ^2/NDF:8.2/9

+ sign -11.511+/-2.537 χ^2/NDF: 53.9/27

All: -8.259+/-1.847 χ^2/NDF: 81.1/56

- sign -4.594+/-2.694 χ^2/NDF: 23.8/28



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

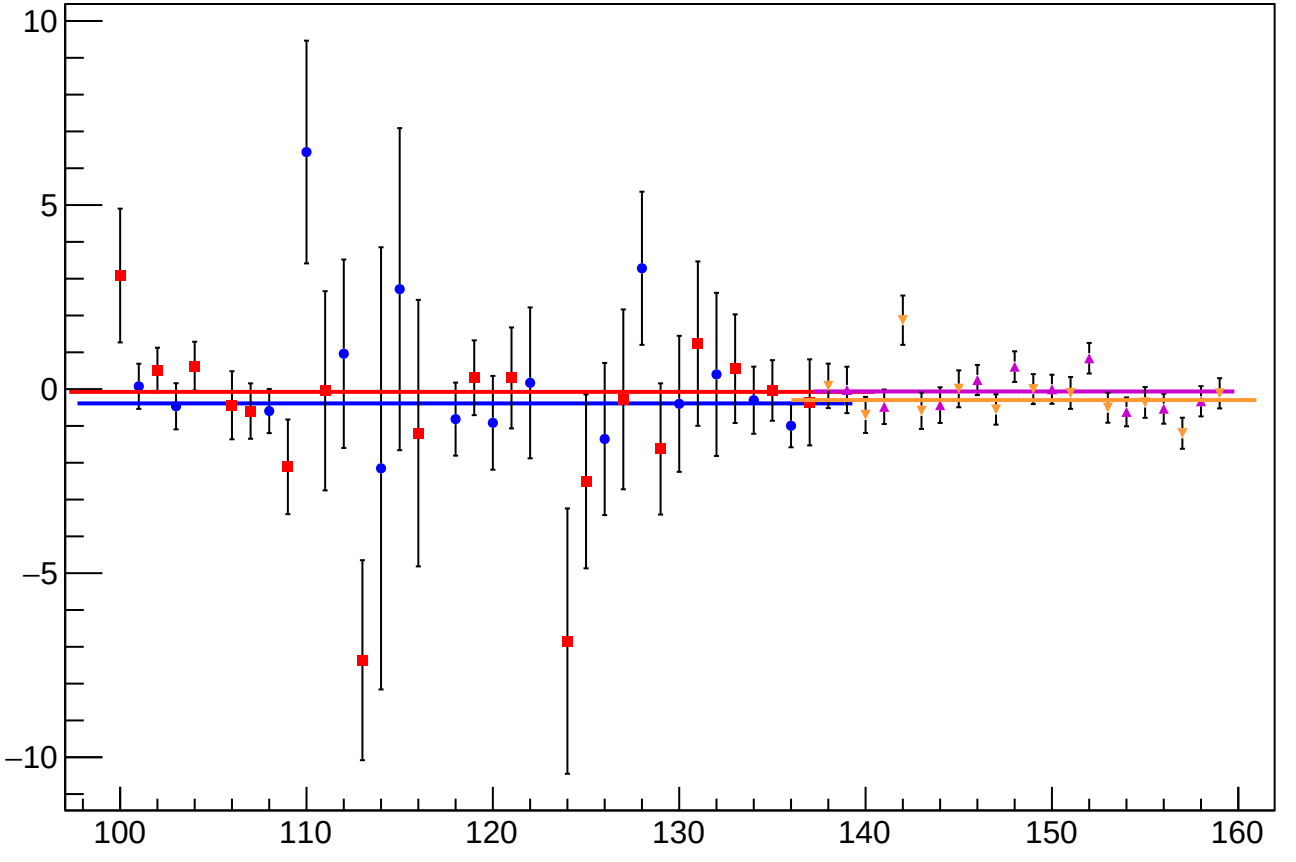
Left In: 9198.598+/-2.223 χ^2/NDF:236622.3/9

+ sign 10017.555+/-1.794 χ^2/NDF: 2073590.6/27

All: 10233.998+/-1.306 χ^2/NDF: 4087259.2/5

- sign 10477.942+/-1.905 χ^2/NDF: 1982716.1/28

diff_bpm_4aX_4ecX_dd_mean vs Slug



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

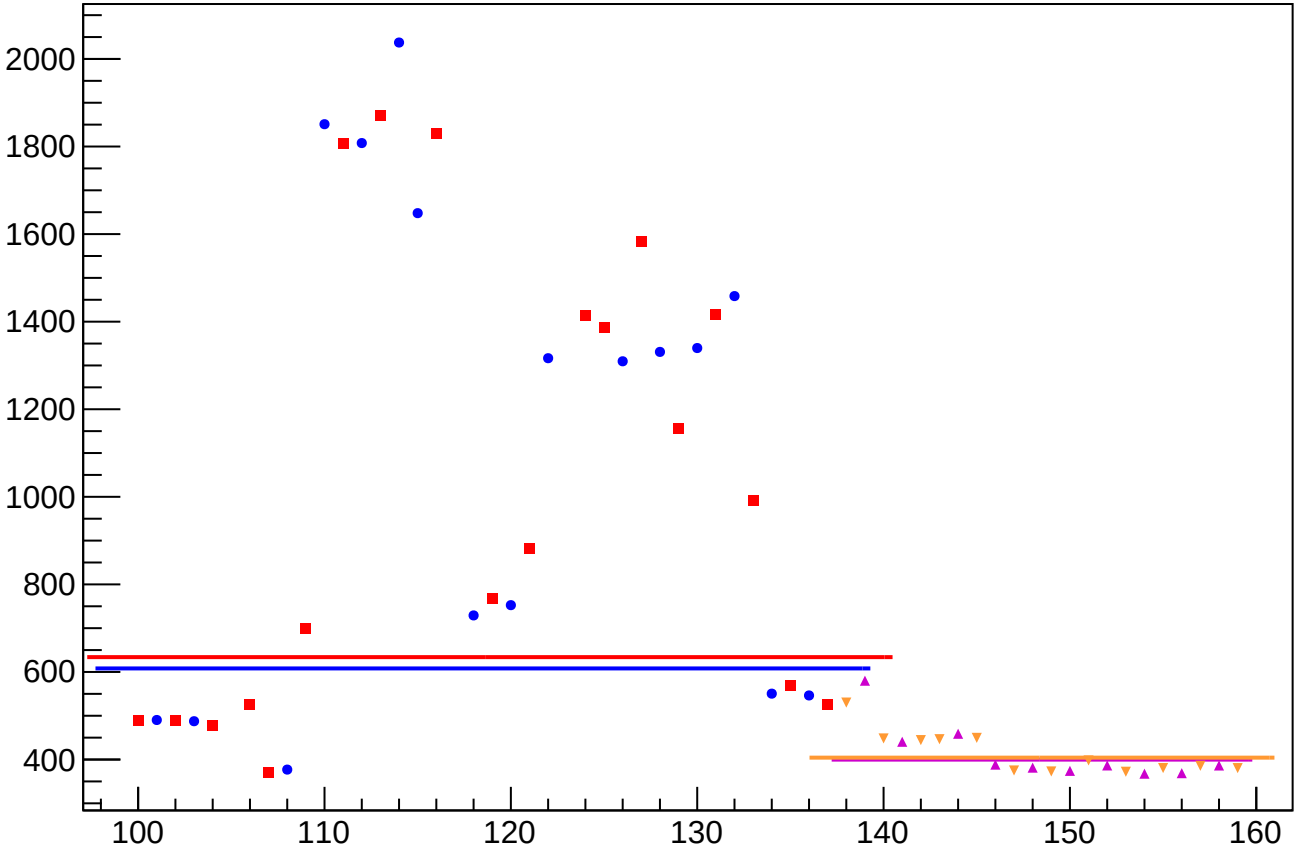
Left In: -0.064+/-0.136 χ^2/NDF:13.1/9

+ sign -0.316+/-0.117 χ^2/NDF: 30.2/27

All: -0.195+/-0.084 χ^2/NDF: 67.2/56

- sign -0.066+/-0.121 χ^2/NDF: 34.8/28

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

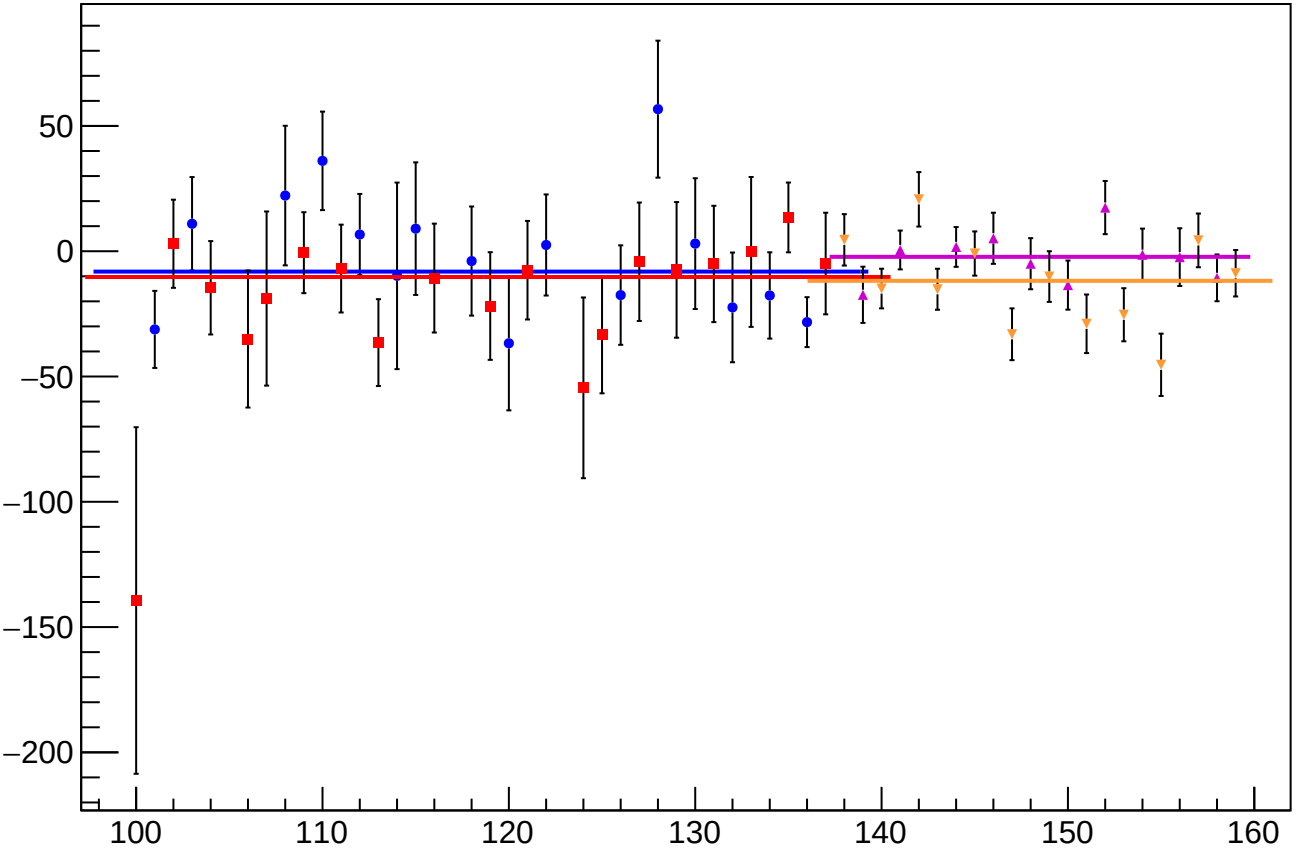
Left In: 399.823+/-0.096 χ^2/NDF:251301.1/9

+ sign 447.056+/-0.083 χ^2/NDF: 4048907.4/27

All: 447.996+/-0.060 χ^2/NDF: 8325795.8/56

- sign 449.004+/-0.086 χ^2/NDF: 4276621.1/28

diff_bpm_4eX_4ecX_avg_mean vs Slug



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

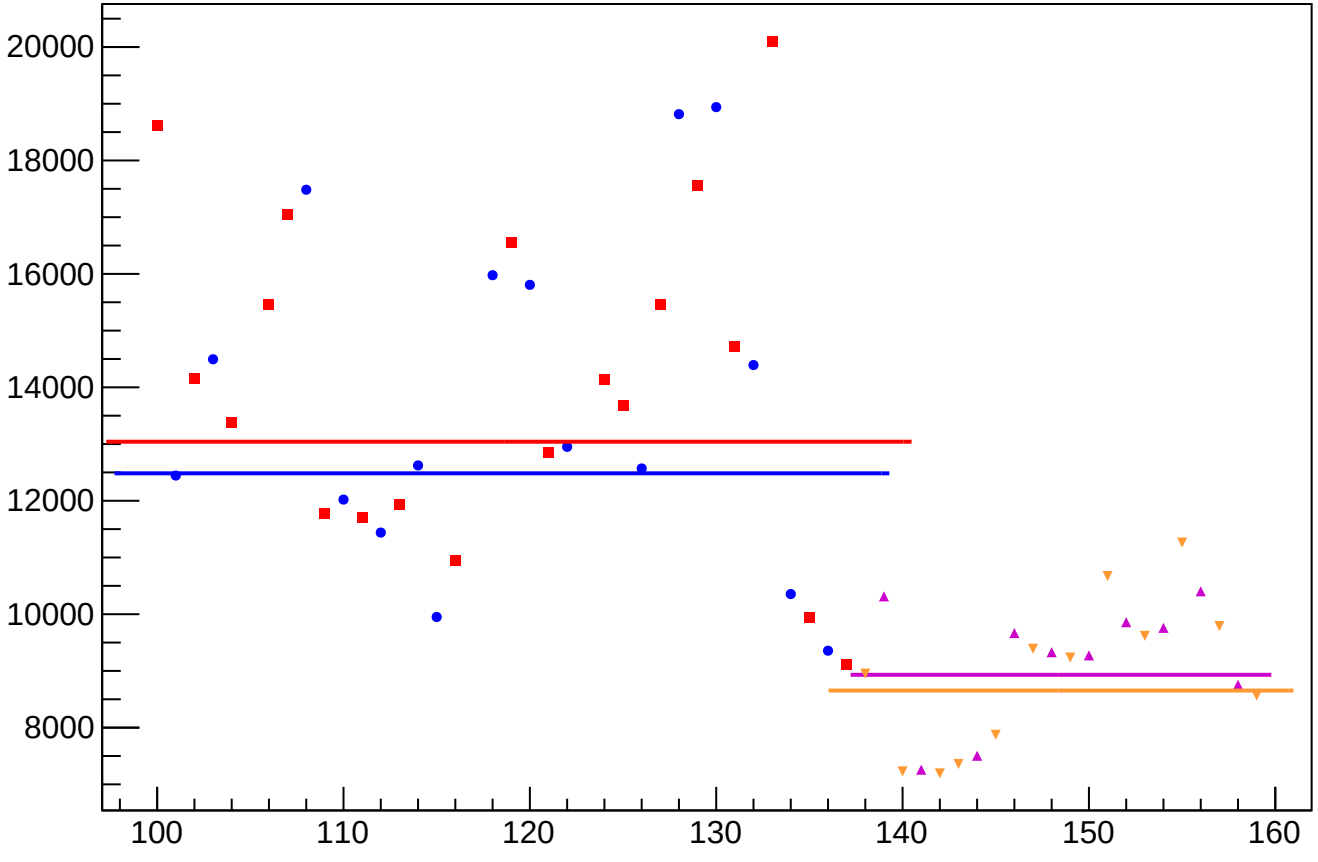
Left In: -2.239+/-3.054 χ^2/NDF:8.4/9

+ sign -10.845+/-2.442 χ^2/NDF: 54.6/27

All: -7.861+/-1.776 χ^2/NDF: 81.8/56

- sign -4.509+/-2.588 χ^2/NDF: 24.0/28

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

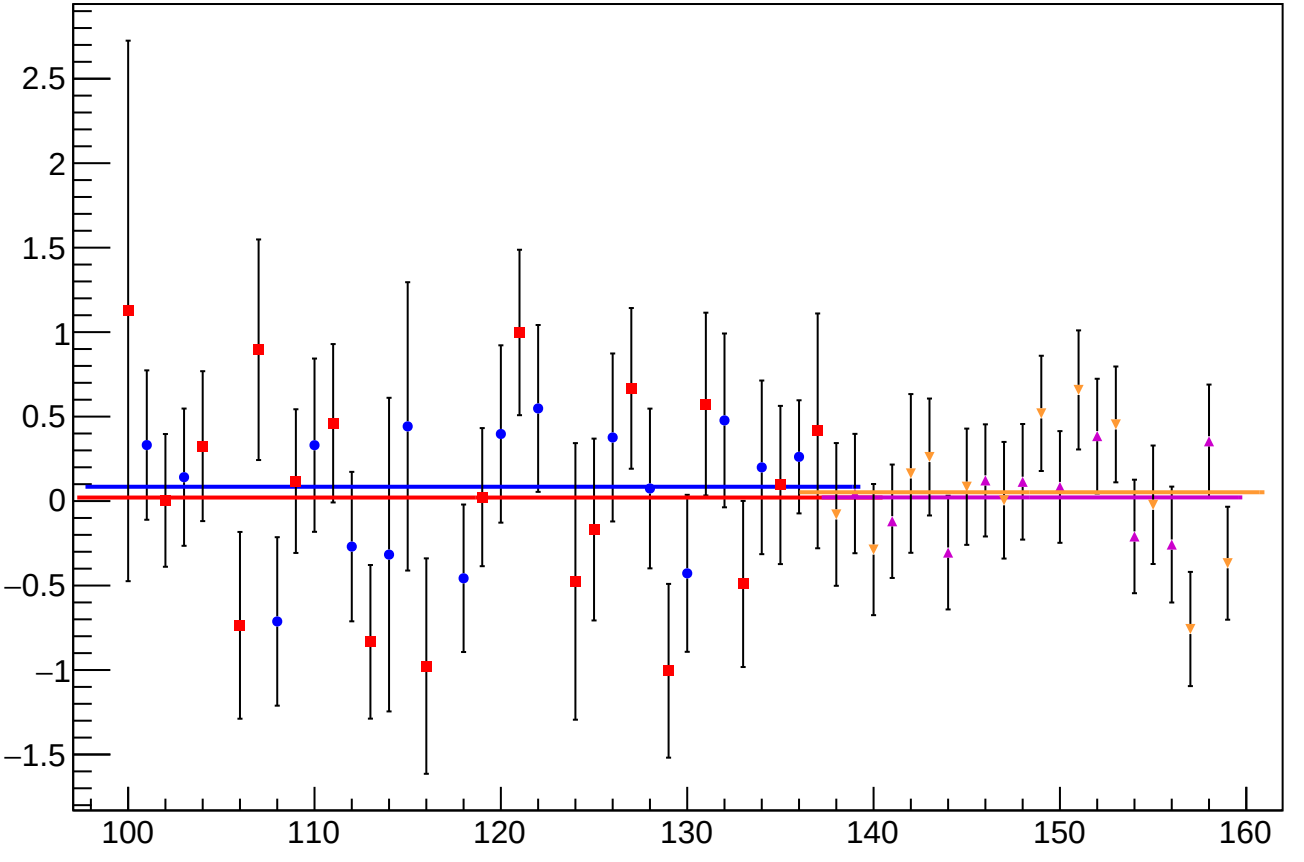
Left In: 8931.308+/-2.160 χ^2/NDF:265305.5/9

+ sign 9653.818+/-1.727 χ^2/NDF: 1992716.3/27

All: 9859.460+/-1.256 χ^2/NDF: 3853887.4/56

- sign 10090.475+/-1.830 χ^2/NDF: 1831052.4/28

diff_bpm_4eX_4ecX_dd_mean vs Slug



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

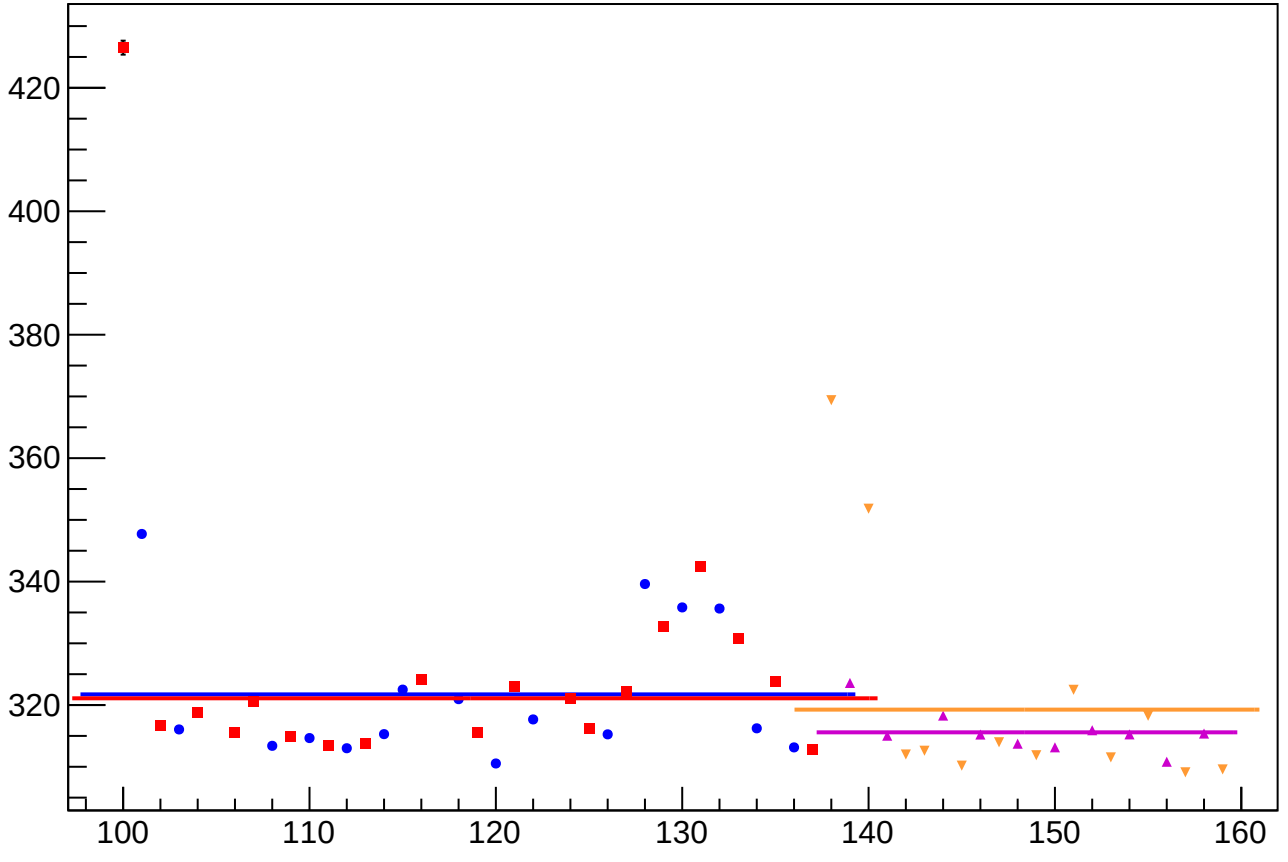
Left In: 0.022+/-0.107 χ^2/NDF:4.6/9

+ sign 0.066+/-0.079 χ^2/NDF: 24.3/27

All: 0.044+/-0.056 χ^2/NDF: 53.3/56

- sign 0.021+/-0.079 χ^2/NDF: 28.9/28

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

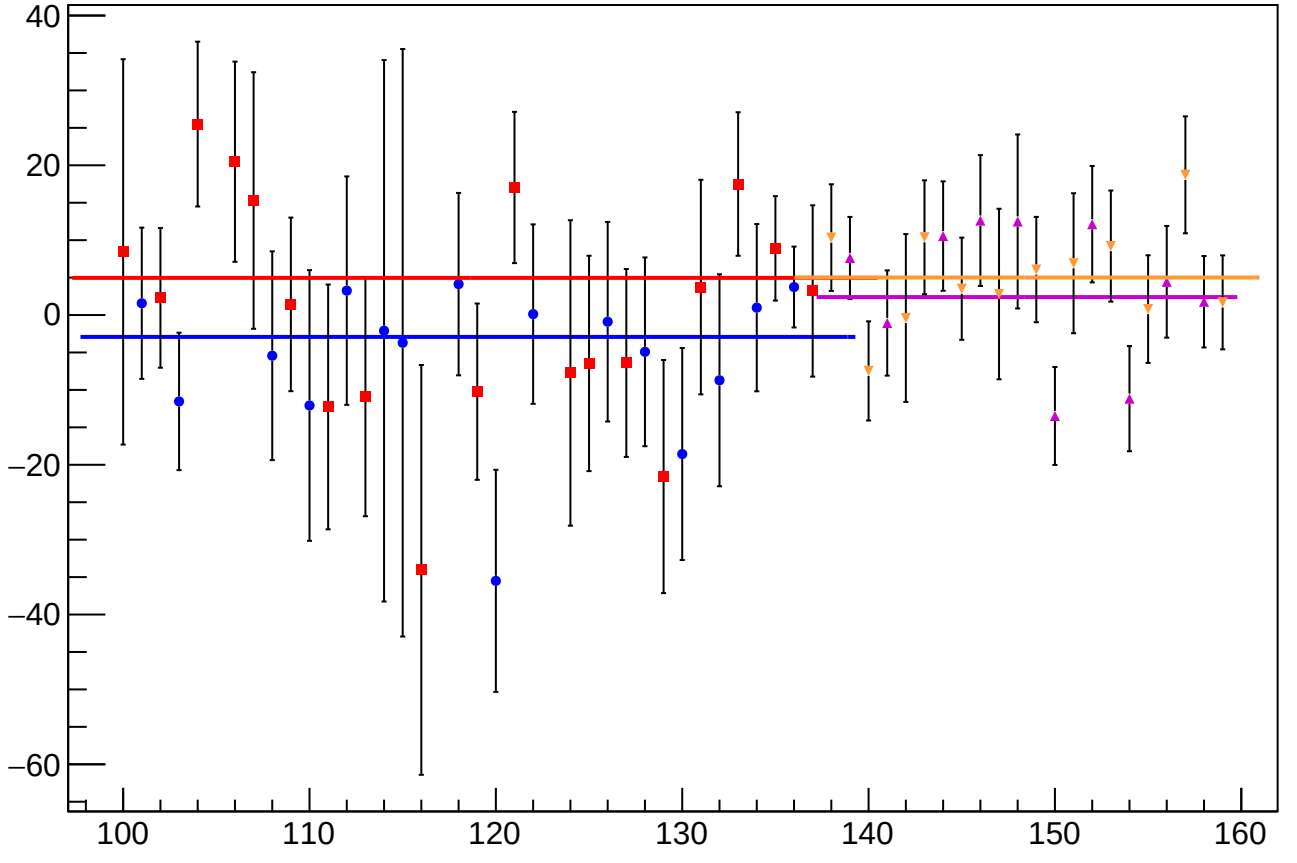
Left In: 315.580+/-0.076 χ^2/NDF:1719.6/9

+ sign 320.313+/-0.056 χ^2/NDF: 69631.9/27

All: 319.204+/-0.039 χ^2/NDF: 91142.8/56

- sign 318.078+/-0.056 χ^2/NDF: 20706.7/28

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

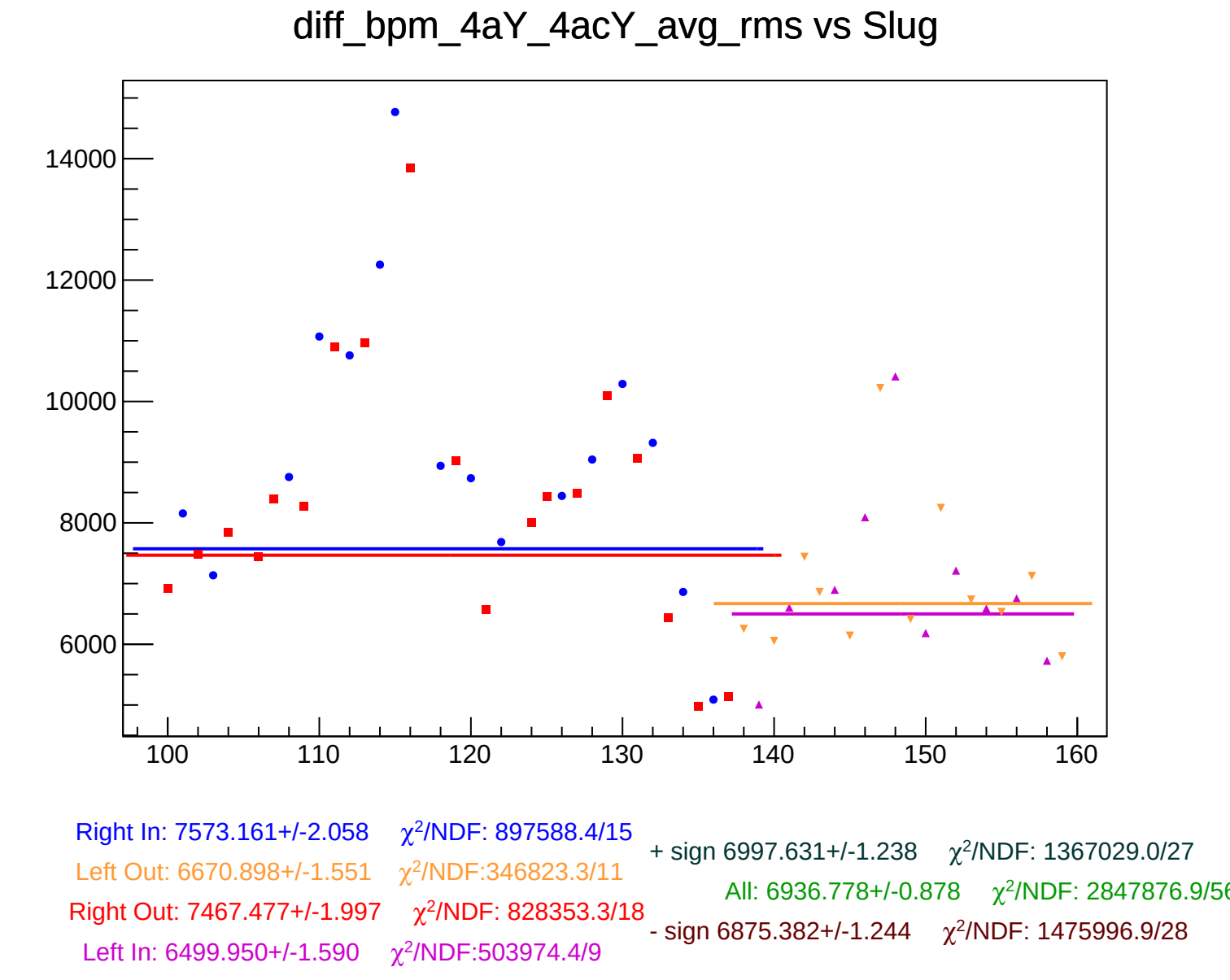
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 2.400+/-2.249 χ^2/NDF:15.8/9

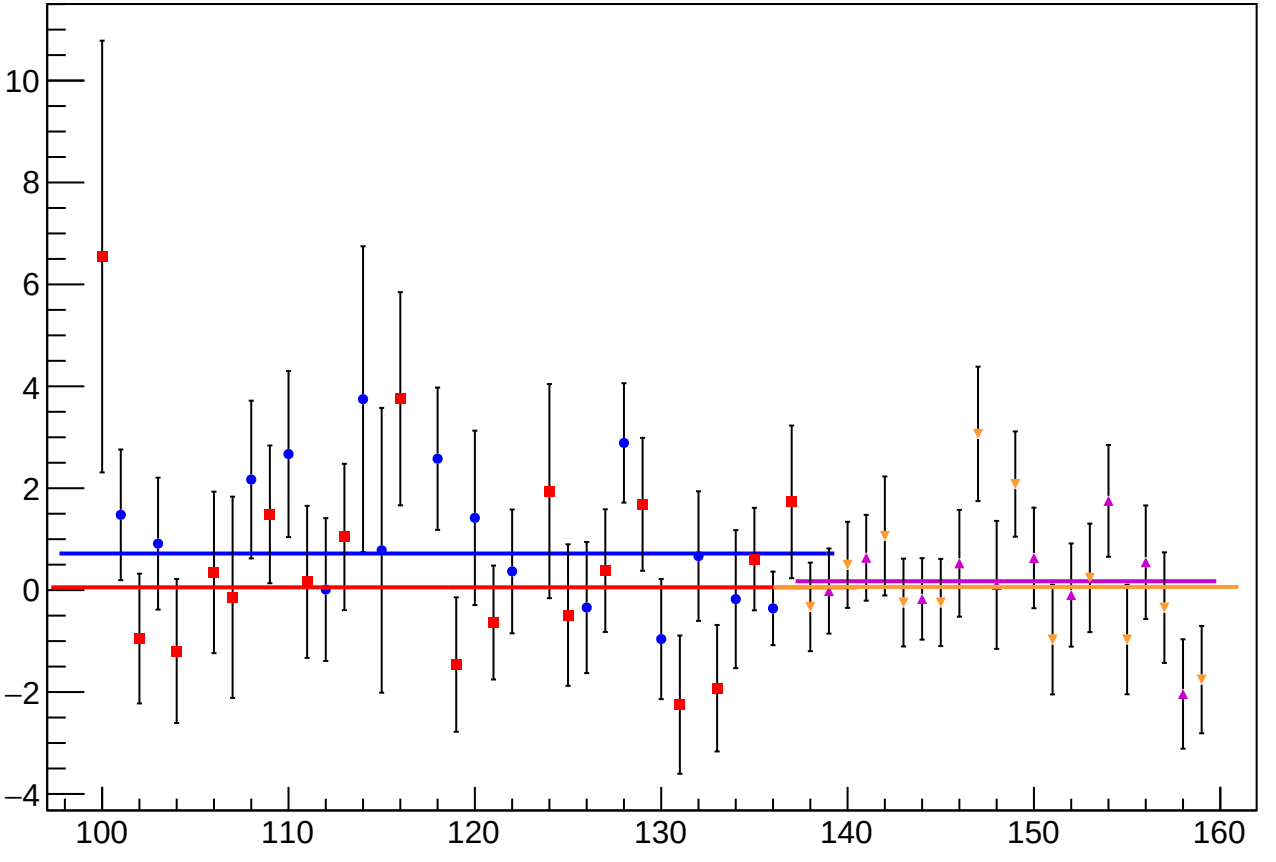
+ sign 2.138+/-1.751 χ^2/NDF: 23.6/27

All: 2.764+/-1.241 χ^2/NDF: 59.6/56

- sign 3.396+/-1.759 χ^2/NDF: 35.7/28


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: 6499.950+/-1.590 χ²/NDF:503974.4/9
+ sign 6997.631+/-1.238 χ²/NDF: 1367029.0/27
All: 6936.778+/-0.878 χ²/NDF: 2847876.9/56
- sign 6875.382+/-1.244 χ²/NDF: 1475996.9/28

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

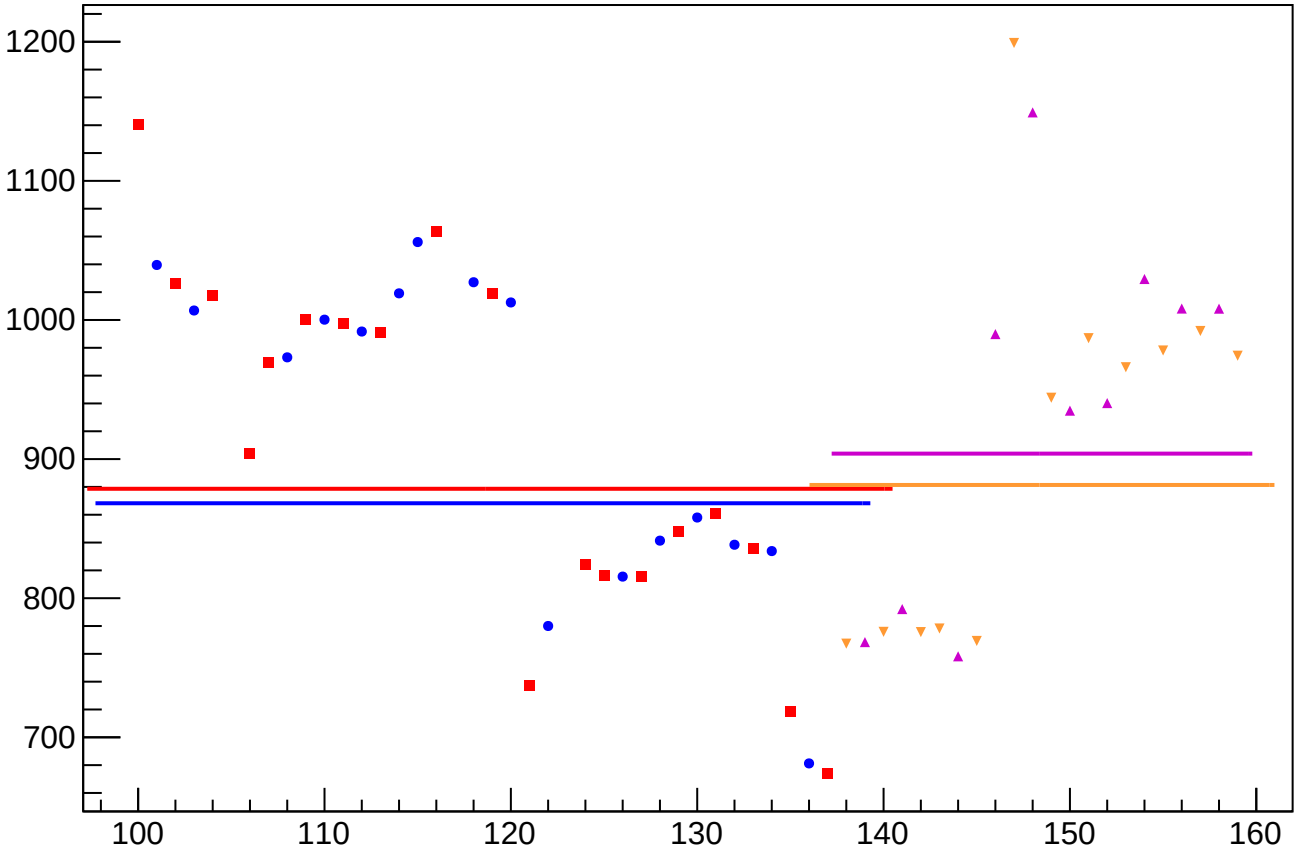
Left In: 0.175+/-0.309 χ^2/NDF:7.4/9

+ sign 0.351+/-0.216 χ^2/NDF: 32.5/27

All: 0.238+/-0.155 χ^2/NDF: 60.3/56

- sign 0.118+/-0.223 χ^2/NDF: 27.3/28

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

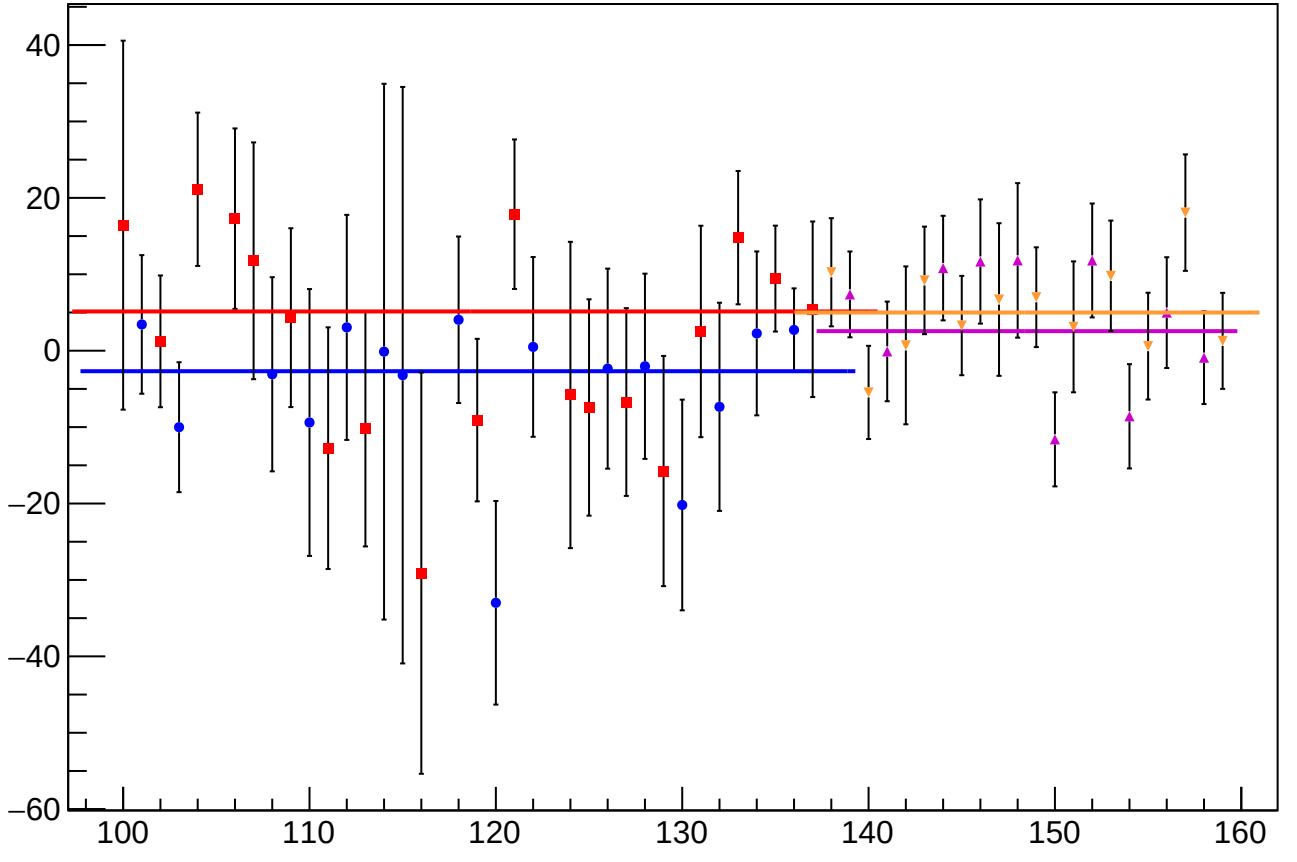
Left In: 903.931+/-0.219 χ^2/NDF:311283.1/9

+ sign 875.634+/-0.153 χ^2/NDF: 657258.1/27

All: 883.468+/-0.110 χ^2/NDF: 1252912.3/56

- sign 891.863+/-0.158 χ^2/NDF: 590197.2/28

diff_bpm_4aY_4eY_avg_mean vs Slug



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

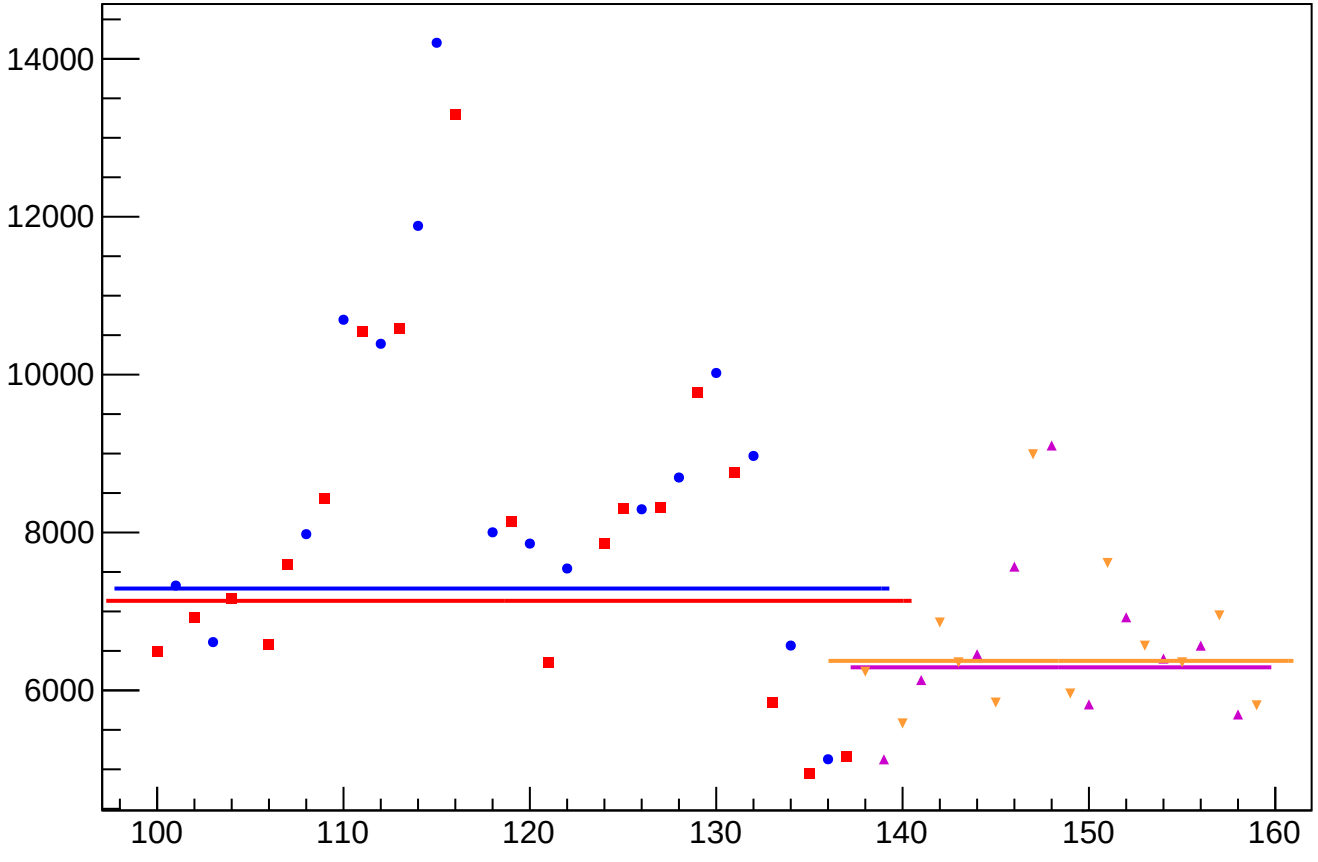
Left In: 2.560+/-2.164 χ^2/NDF:14.4/9

+ sign 2.236+/-1.671 χ^2/NDF: 23.3/27

All: 2.897+/-1.187 χ^2/NDF: 55.8/56

- sign 3.571+/-1.686 χ^2/NDF: 32.2/28

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

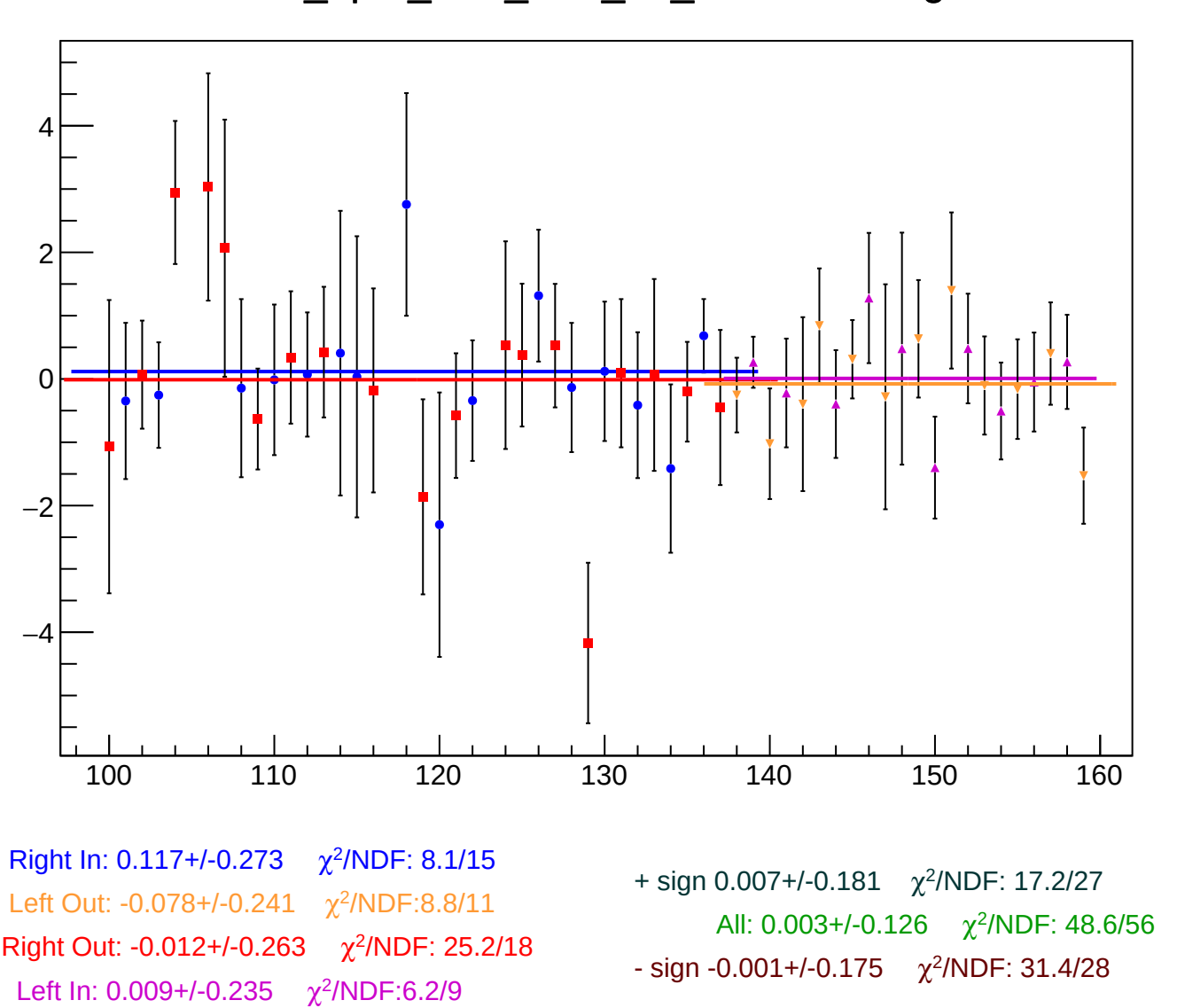
Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6292.127+/-1.530 χ^2/NDF:341211.0/9

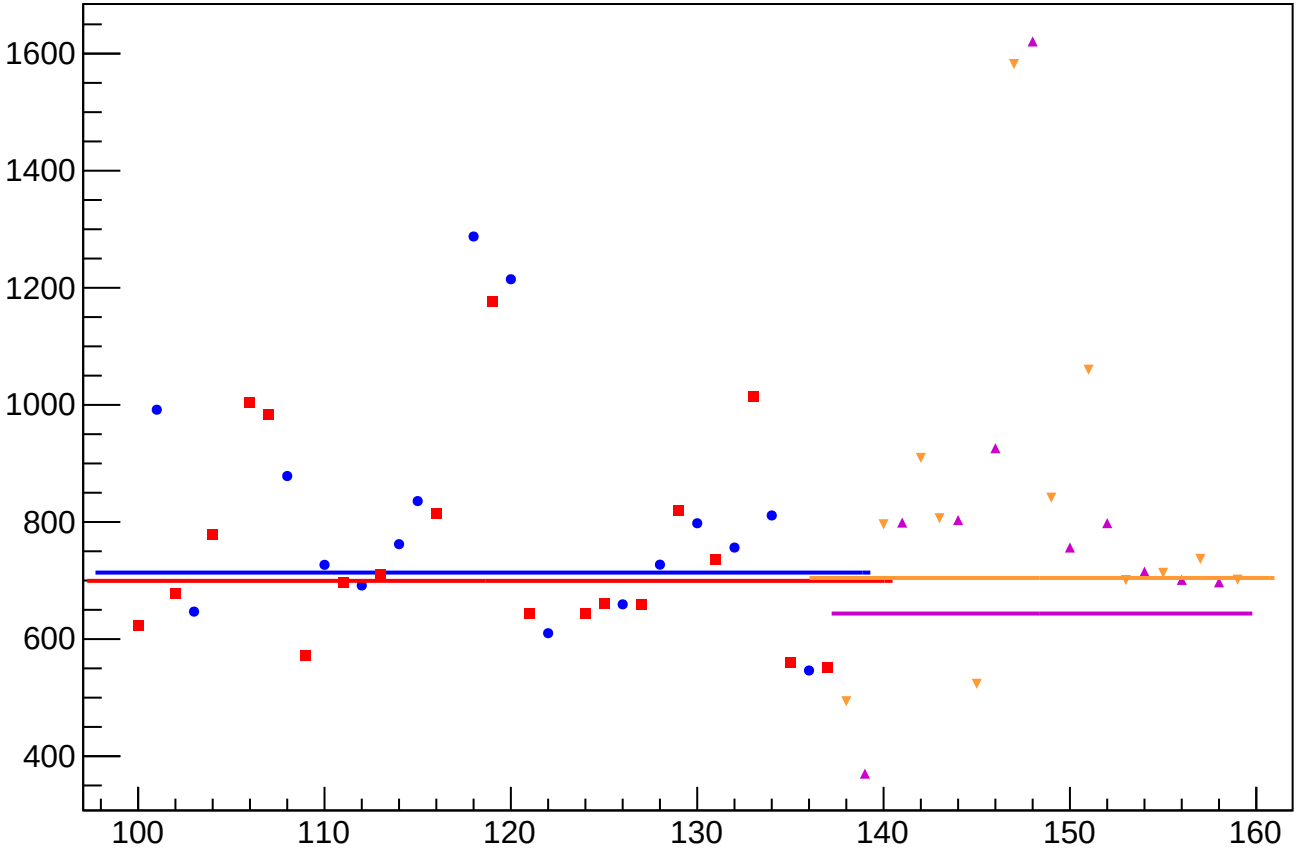
+ sign 6703.165+/-1.182 χ^2/NDF: 1177349.5/27

All: 6663.309+/-0.839 χ^2/NDF: 2432593.6/56

- sign 6622.730+/-1.193 χ^2/NDF: 1252949.0/28


diff_bpm_4aY_4eY_dd_mean vs Slug
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: 0.117+/-0.273 χ²/NDF: 8.1/15
Left Out: -0.078+/-0.241 χ²/NDF:8.8/11
Right Out: -0.012+/-0.263 χ²/NDF: 25.2/18
Left In: 0.009+/-0.235 χ²/NDF:6.2/9
+ sign 0.007+/-0.181 χ²/NDF: 17.2/27
All: 0.003+/-0.126 χ²/NDF: 48.6/56
- sign -0.001+/-0.175 χ²/NDF: 31.4/28

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

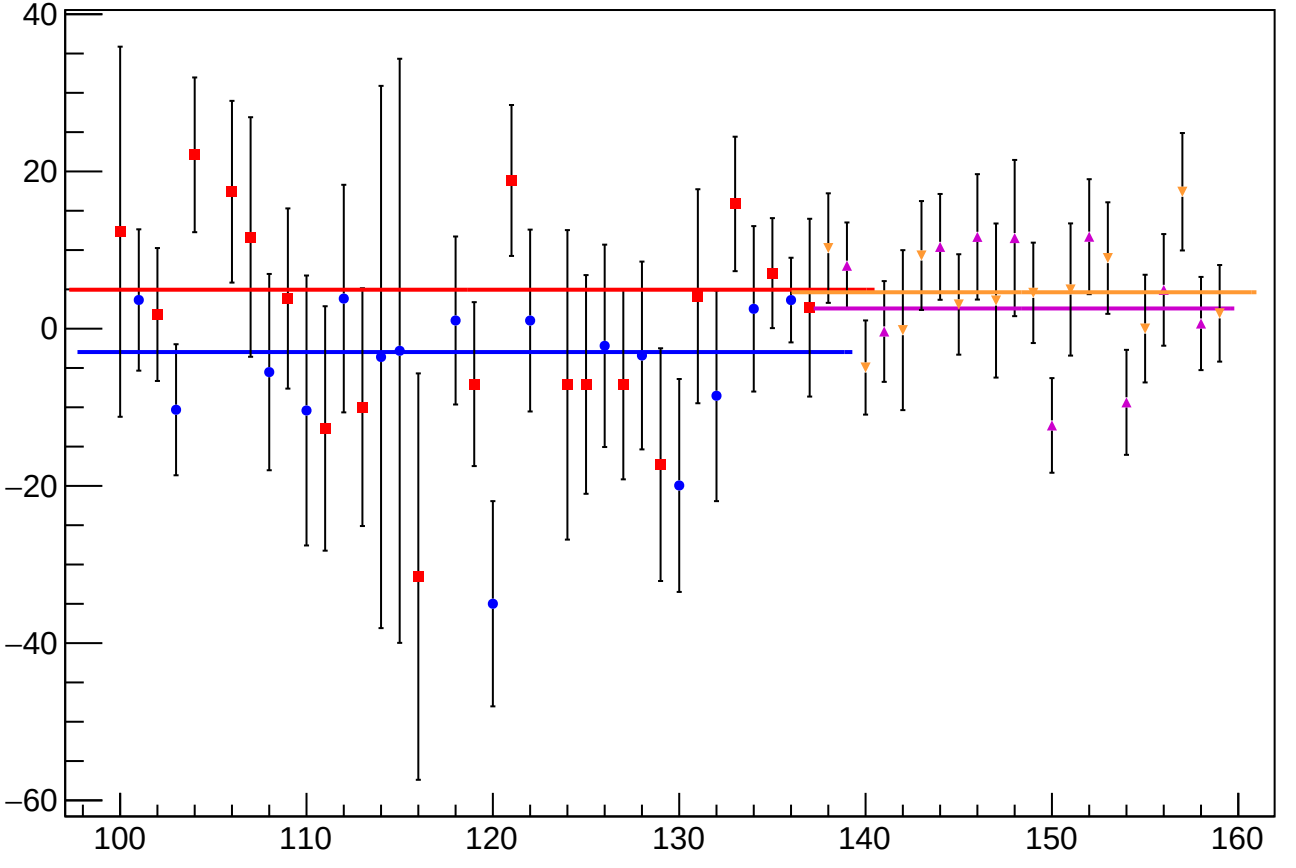
Left In: 643.664+/-0.166 χ^2/NDF:1916215.3/9

+ sign 708.458+/-0.128 χ^2/NDF: 1919685.0/27

All: 687.805+/-0.089 χ^2/NDF: 4512480.2/56

- sign 668.397+/-0.124 χ^2/NDF: 2542118.2/28

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

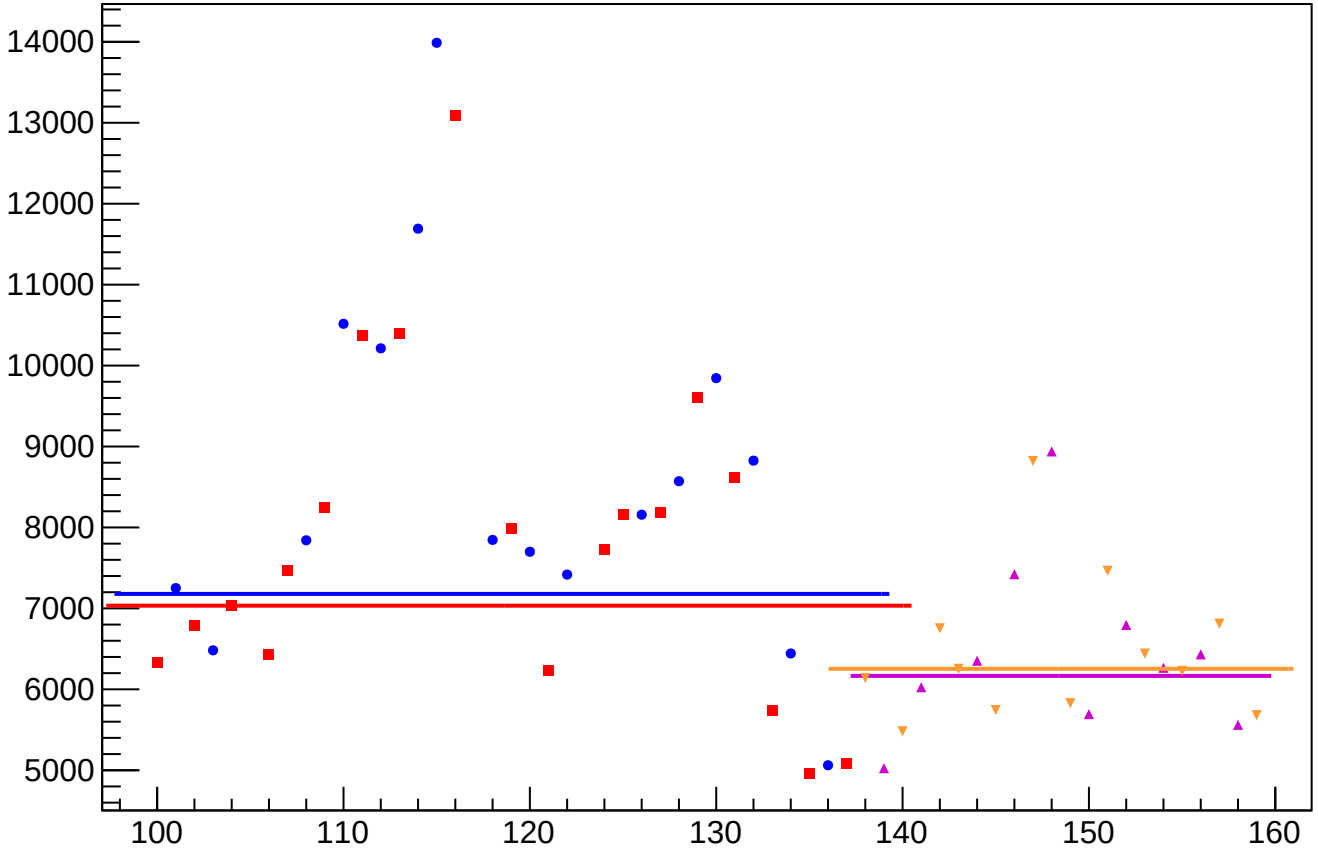
Left In: 2.569+/-2.121 χ^2/NDF:15.7/9

+ sign 1.912+/-1.642 χ^2/NDF: 24.4/27

All: 2.699+/-1.166 χ^2/NDF: 59.6/56

- sign 3.500+/-1.657 χ^2/NDF: 34.7/28

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6253.229+/-1.449 χ^2/NDF:268946.0/11

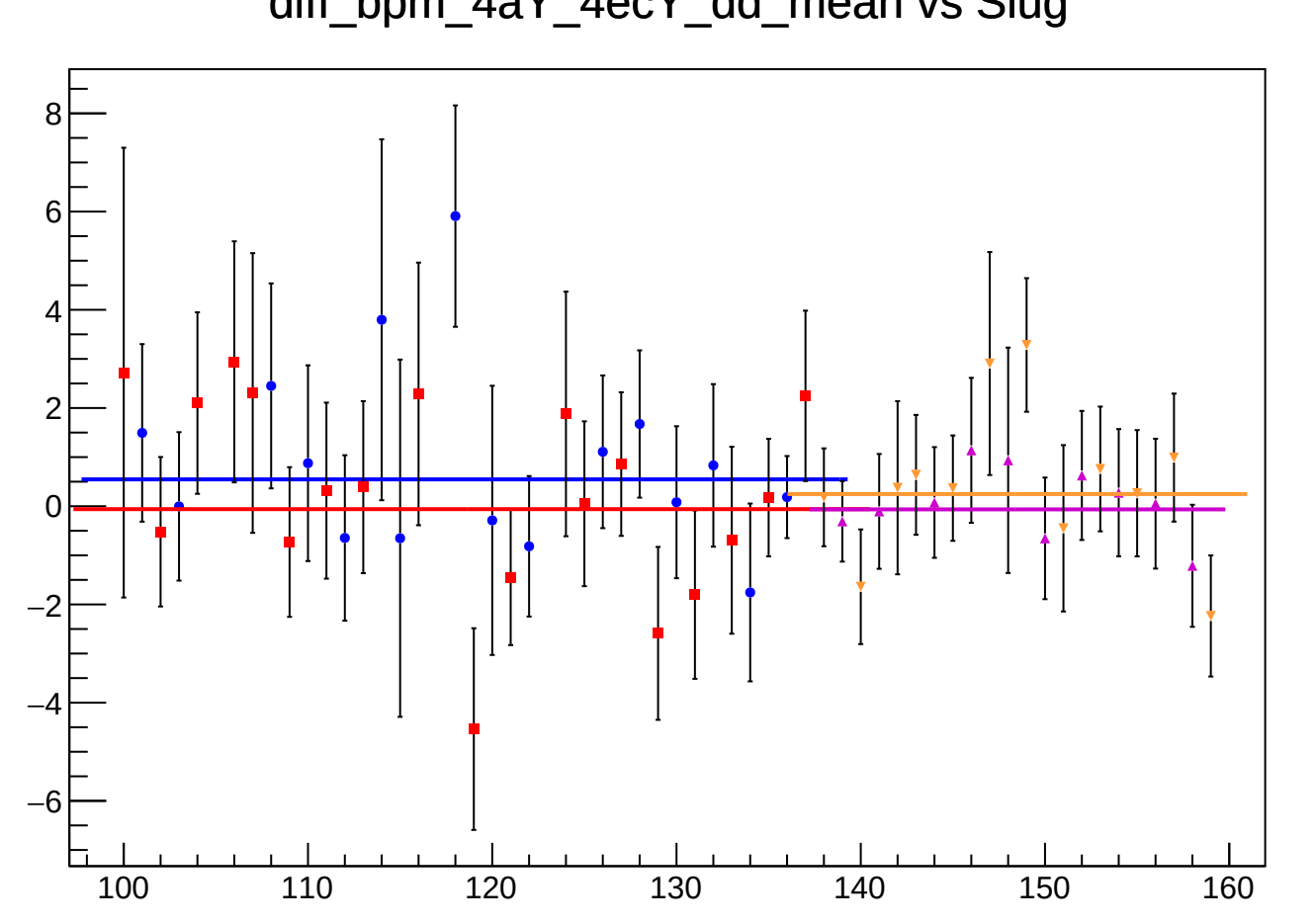
Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6166.006+/-1.500 χ^2/NDF:345126.6/9

+ sign 6584.299+/-1.161 χ^2/NDF: 1176873.0/27

All: 6544.625+/-0.825 χ^2/NDF: 2421201.8/56

- sign 6504.250+/-1.171 χ^2/NDF: 1241973.6/28



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

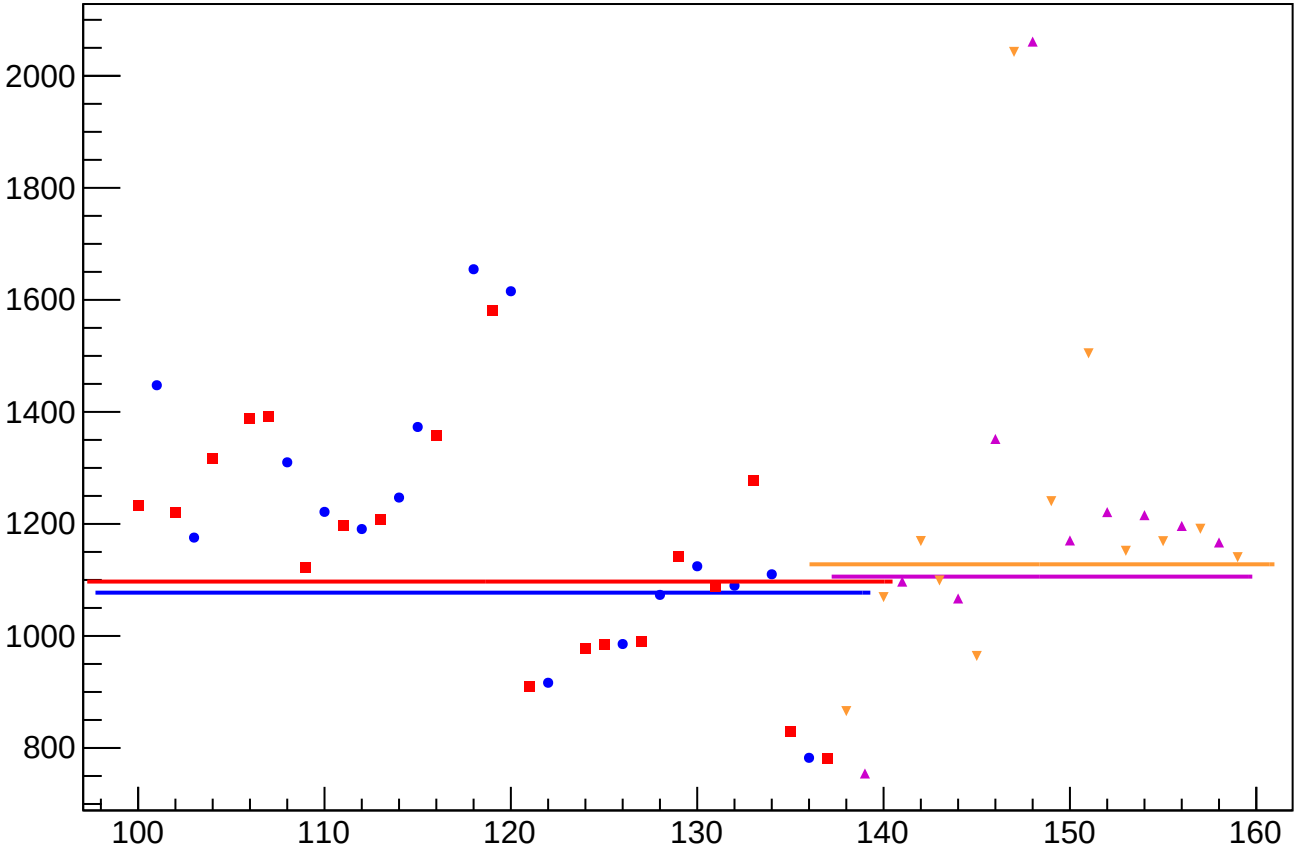
Left In: -0.064+/-0.386 χ^2/NDF:2.4/9

+ sign 0.383+/-0.276 χ^2/NDF: 26.0/27

All: 0.164+/-0.197 χ^2/NDF: 46.6/56

- sign -0.062+/-0.281 χ^2/NDF: 19.3/28

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

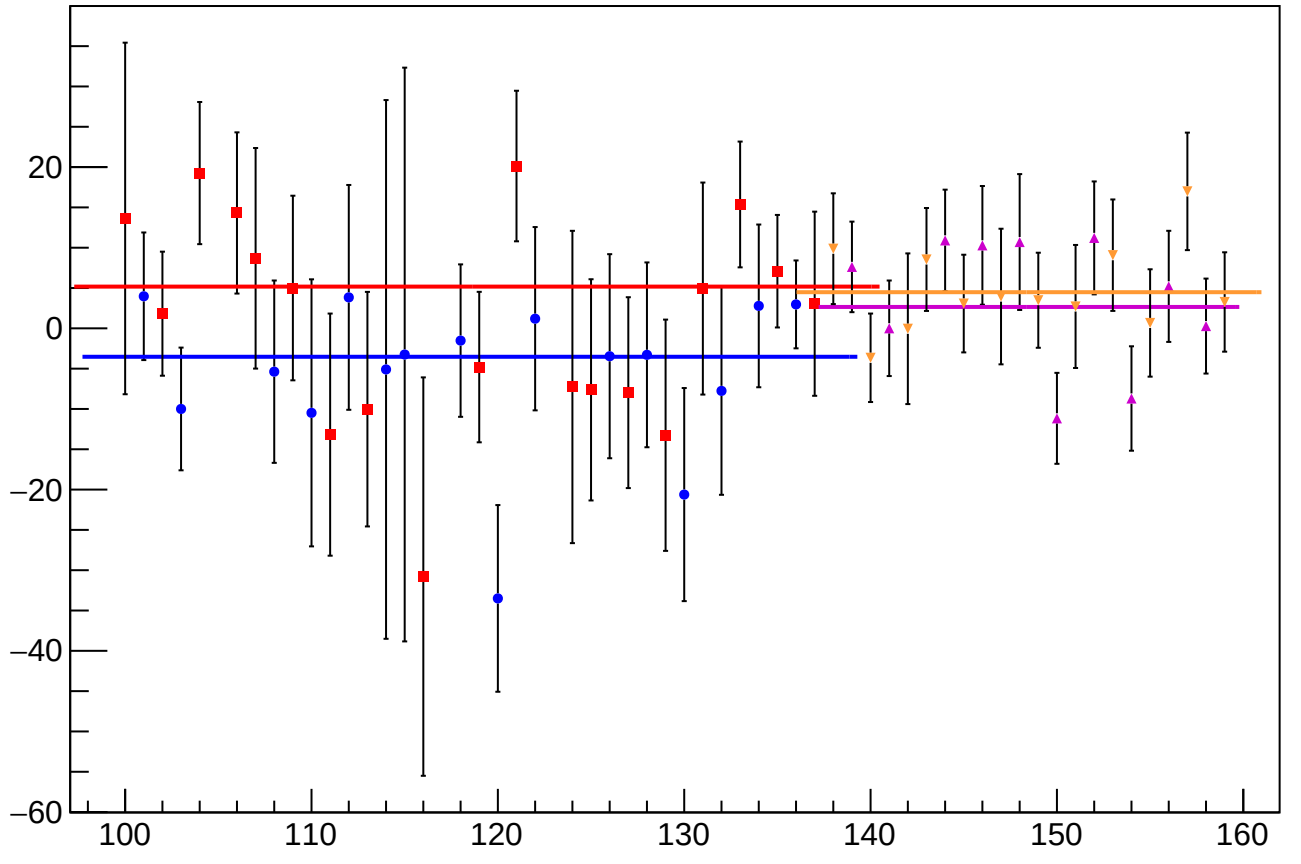
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1105.931+/-0.273 χ^2/NDF:821206.6/9

+ sign 1105.001+/-0.196 χ^2/NDF: 1300511.5/27

All: 1103.410+/-0.139 χ^2/NDF: 2606715.5/56

- sign 1101.769+/-0.199 χ^2/NDF: 1306069.5/28



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

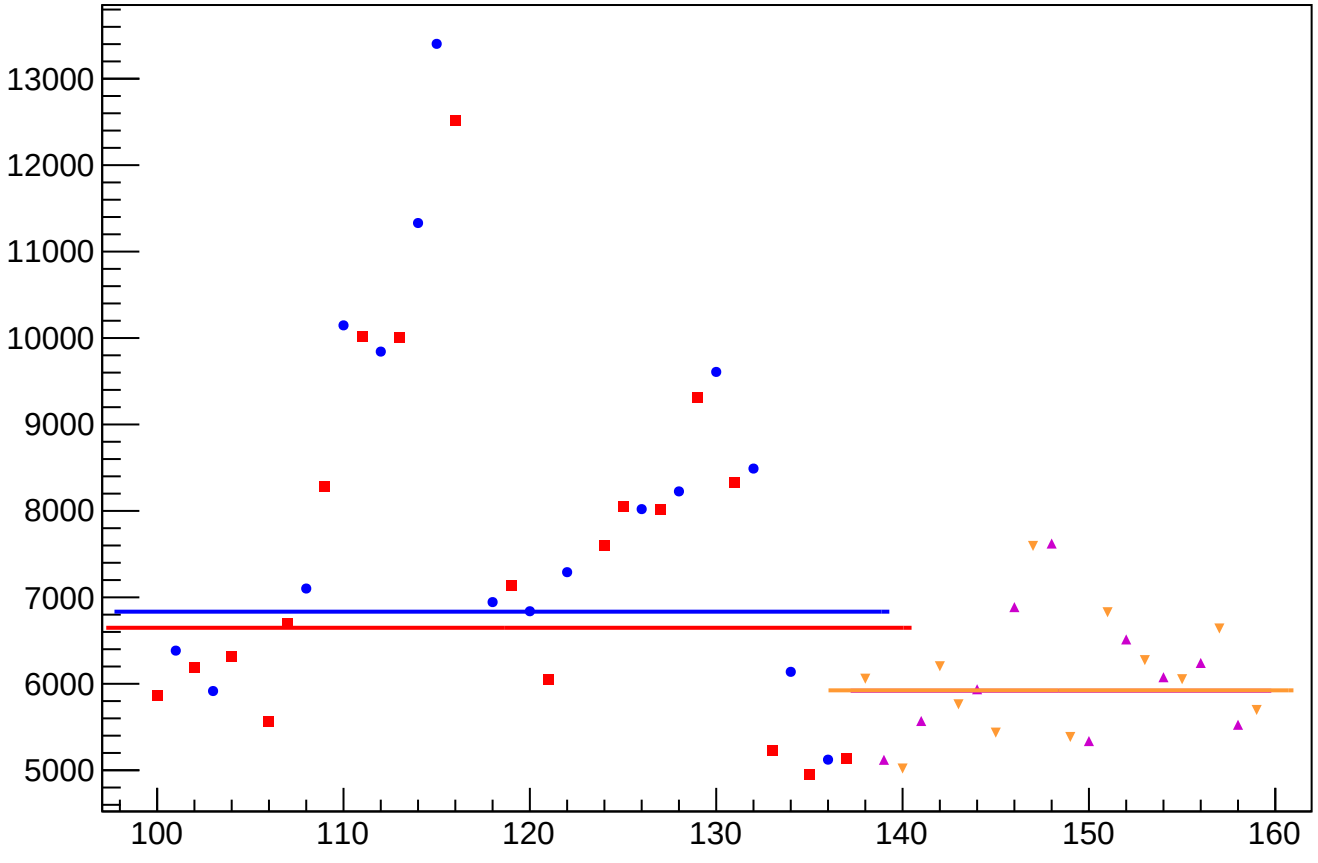
Left In: 2.653+/-2.026 χ^2/NDF:15.6/9

\+ sign 1.635+/-1.555 χ^2/NDF: 26.0/27

All: 2.629+/-1.107 χ^2/NDF: 61.2/56

\- sign 3.649+/-1.576 χ^2/NDF: 34.4/28

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

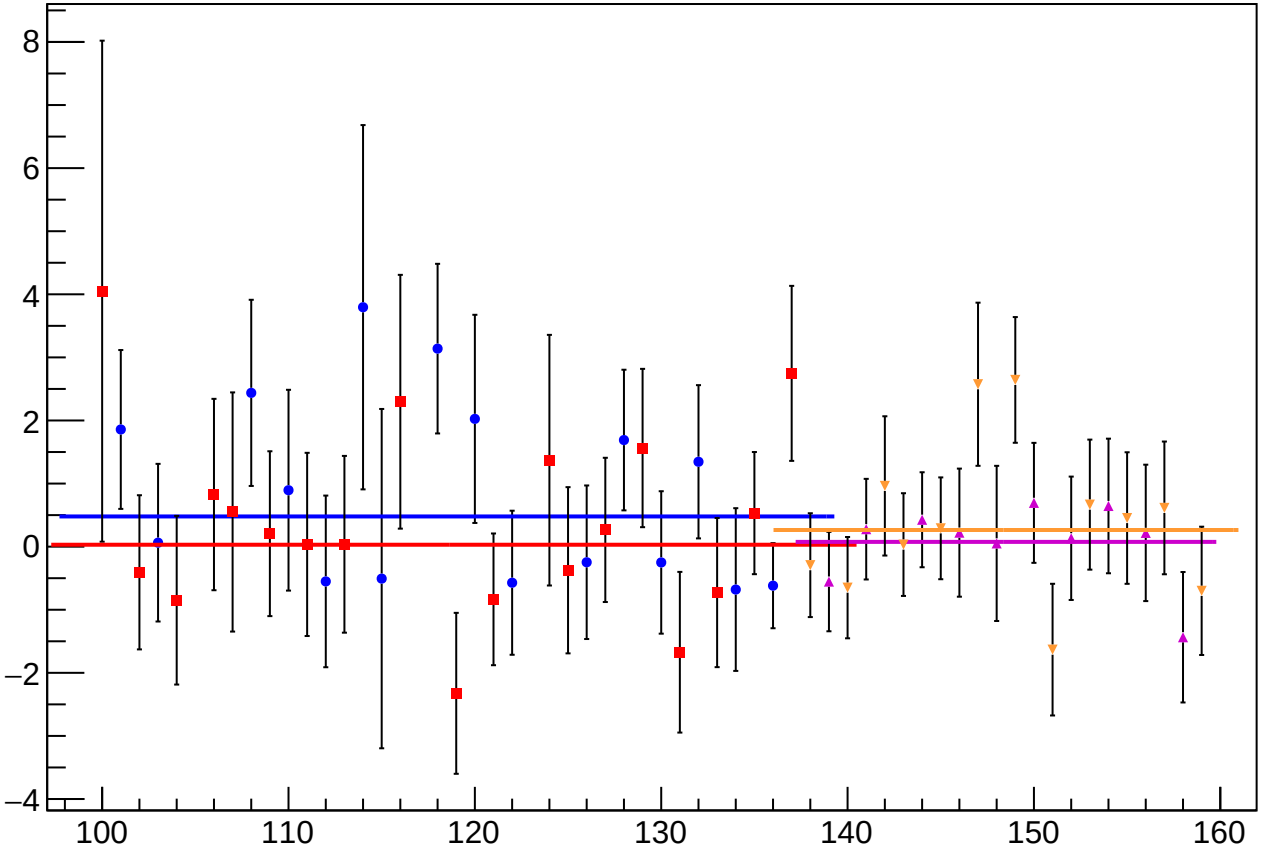
Left In: 5919.484+/-1.433 χ^2/NDF:213827.4/9

+ sign 6247.914+/-1.100 χ^2/NDF: 1072389.9/27

All: 6227.842+/-0.783 χ^2/NDF: 2174098.0/56

- sign 6207.227+/-1.115 χ^2/NDF: 1101032.9/28

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

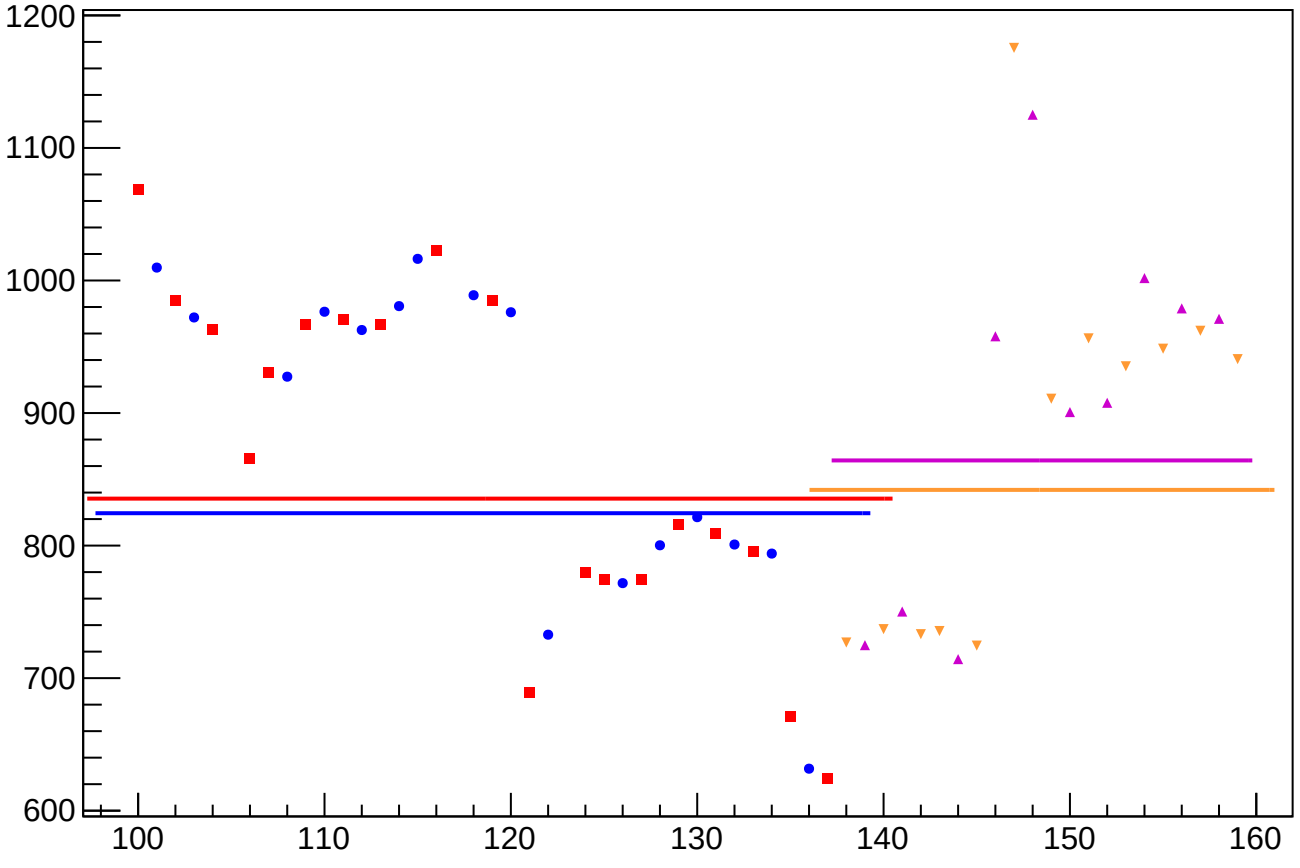
Left In: 0.076+/-0.296 χ^2/NDF:3.8/9

+ sign 0.359+/-0.206 χ^2/NDF: 32.6/27

All: 0.212+/-0.148 χ^2/NDF: 53.2/56

- sign 0.054+/-0.214 χ^2/NDF: 19.5/28

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

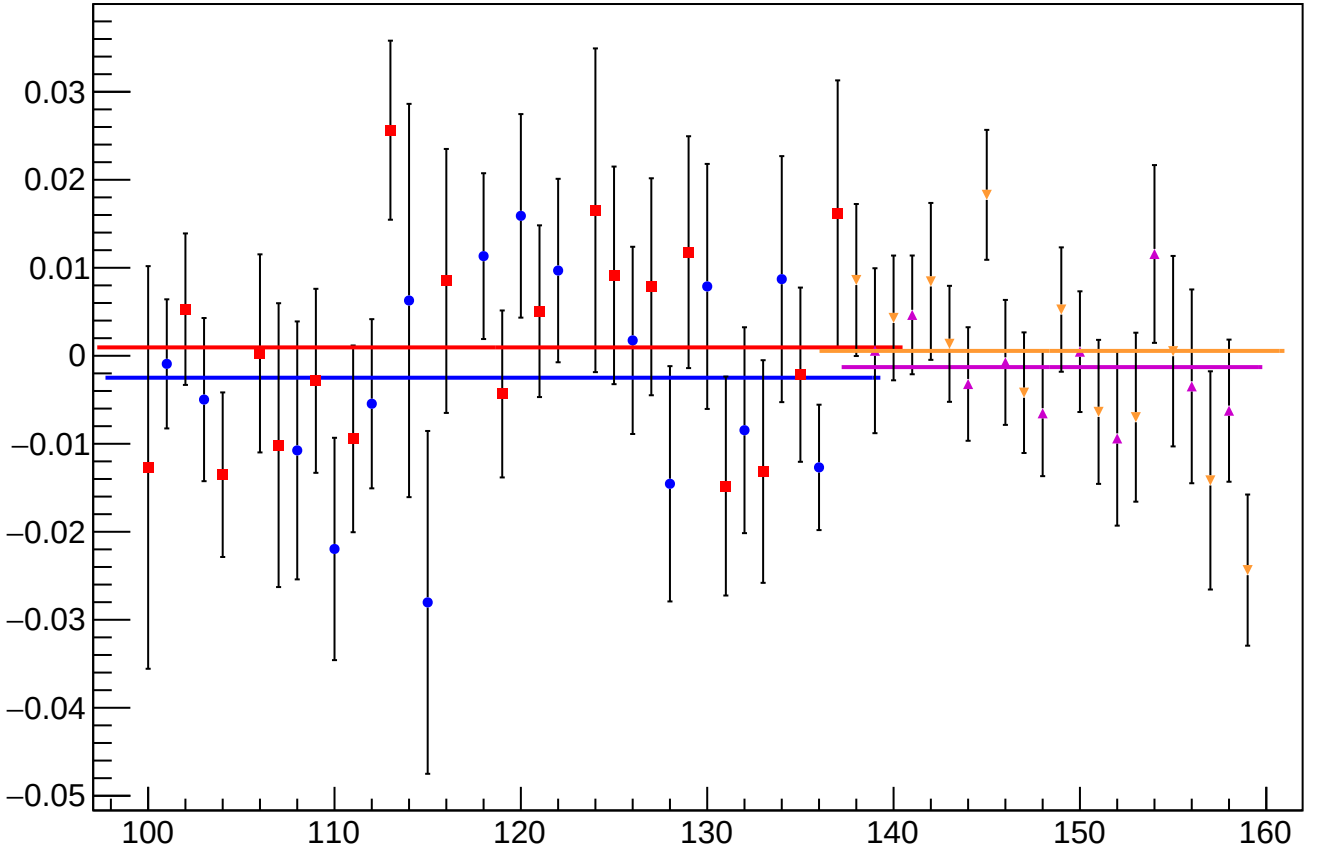
Left In: 864.249+/-0.209 χ^2/NDF:373788.6/9

+ sign 834.273+/-0.146 χ^2/NDF: 787184.9/27

All: 842.069+/-0.105 χ^2/NDF: 1495273.7/56

- sign 850.433+/-0.151 χ^2/NDF: 702167.7/28

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:19.8/11

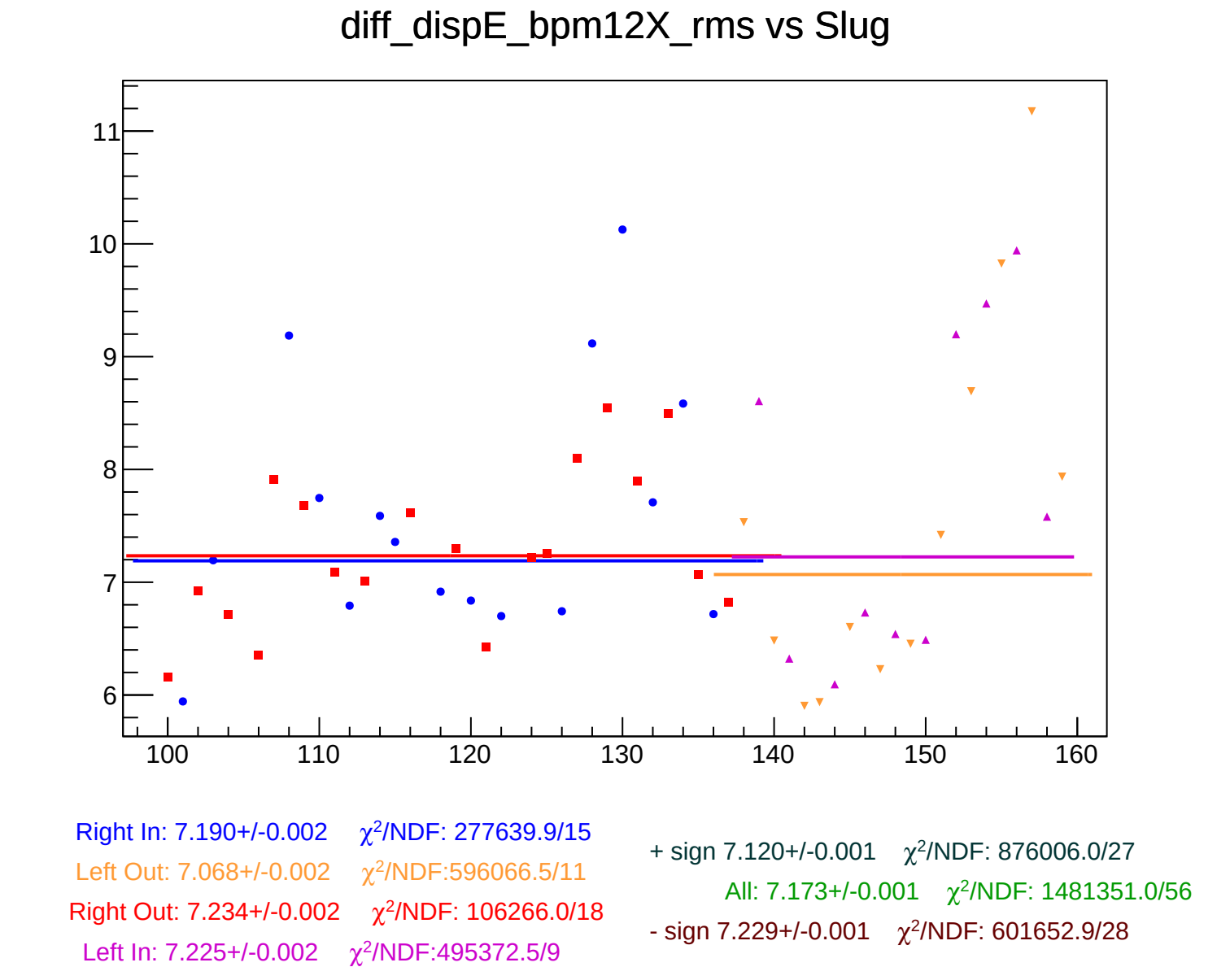
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

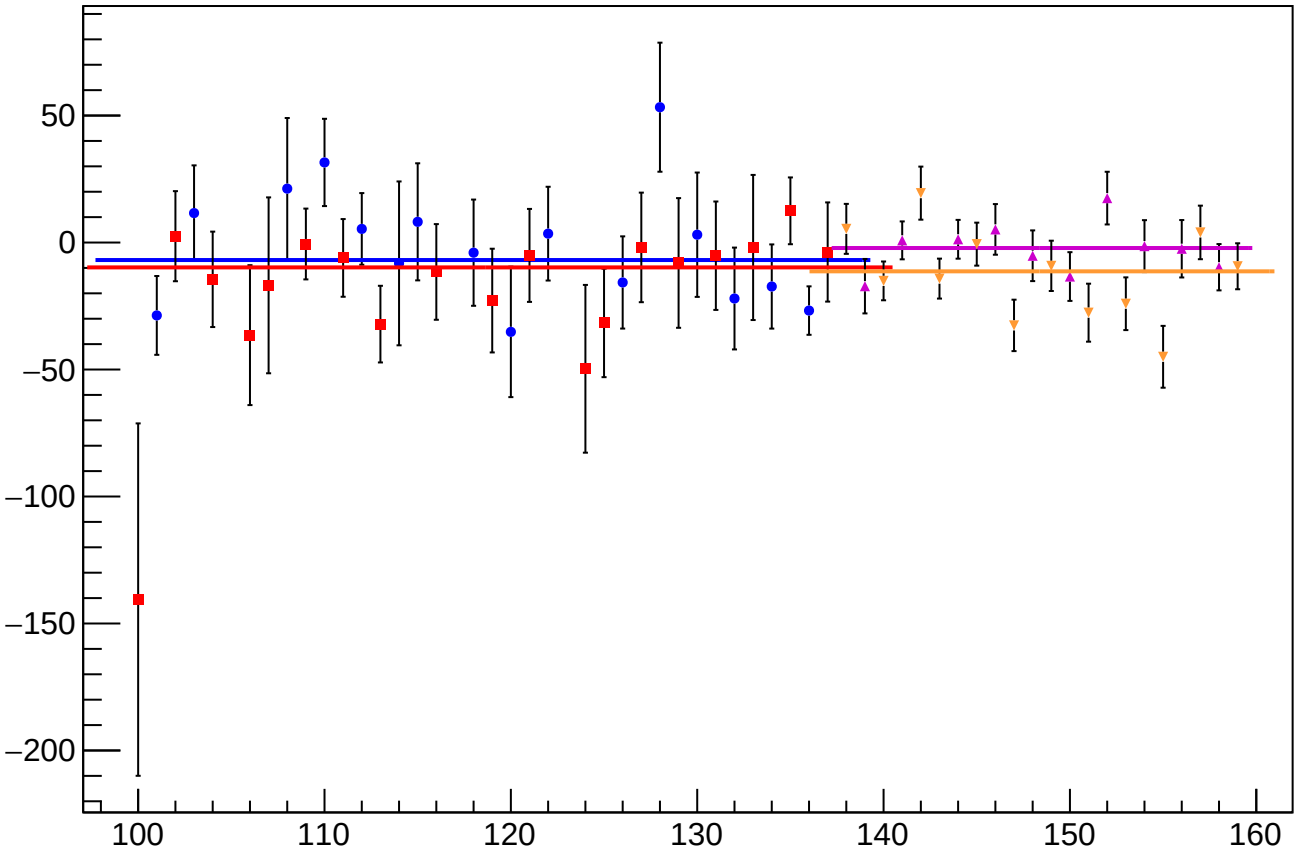
Left In: -0.001+/-0.002 χ^2/NDF:4.2/9

+ sign -0.001+/-0.002 χ^2/NDF: 35.8/27

All: -0.000+/-0.001 χ^2/NDF: 57.7/56

- sign -0.000+/-0.002 χ^2/NDF: 21.9/28


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: 7.225+/-0.002 χ²/NDF:495372.5/9
+ sign 7.120+/-0.001 χ²/NDF: 876006.0/27
All: 7.173+/-0.001 χ²/NDF: 1481351.0/56
- sign 7.229+/-0.001 χ²/NDF: 601652.9/28



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

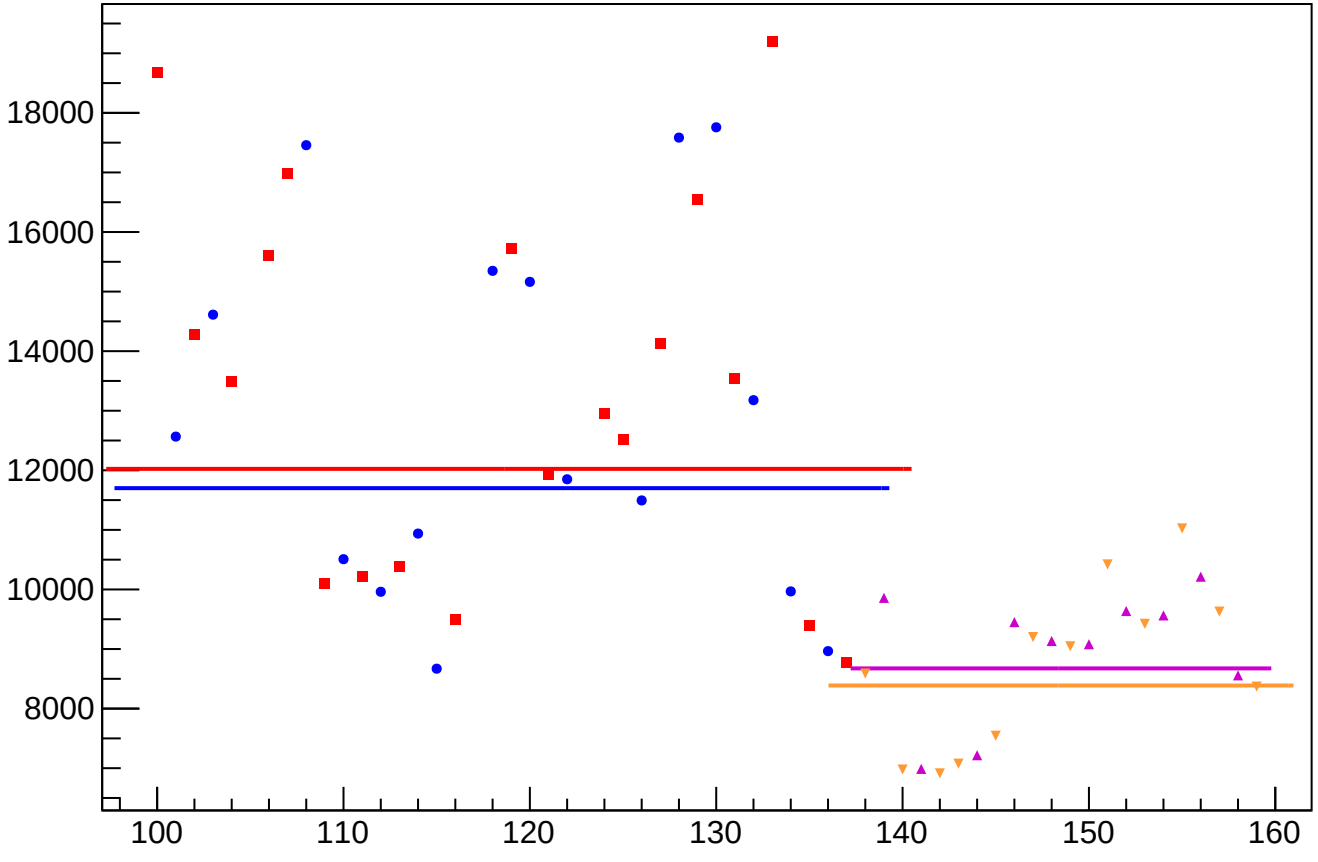
Left In: -2.158+/-2.969 χ^2/NDF:8.6/9

+ sign -10.122+/-2.349 χ^2/NDF: 55.1/27

All: -7.446+/-1.706 χ^2/NDF: 82.4/56

- sign -4.460+/-2.481 χ^2/NDF: 24.6/28

diff_targ_positionX_rms vs Slug



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

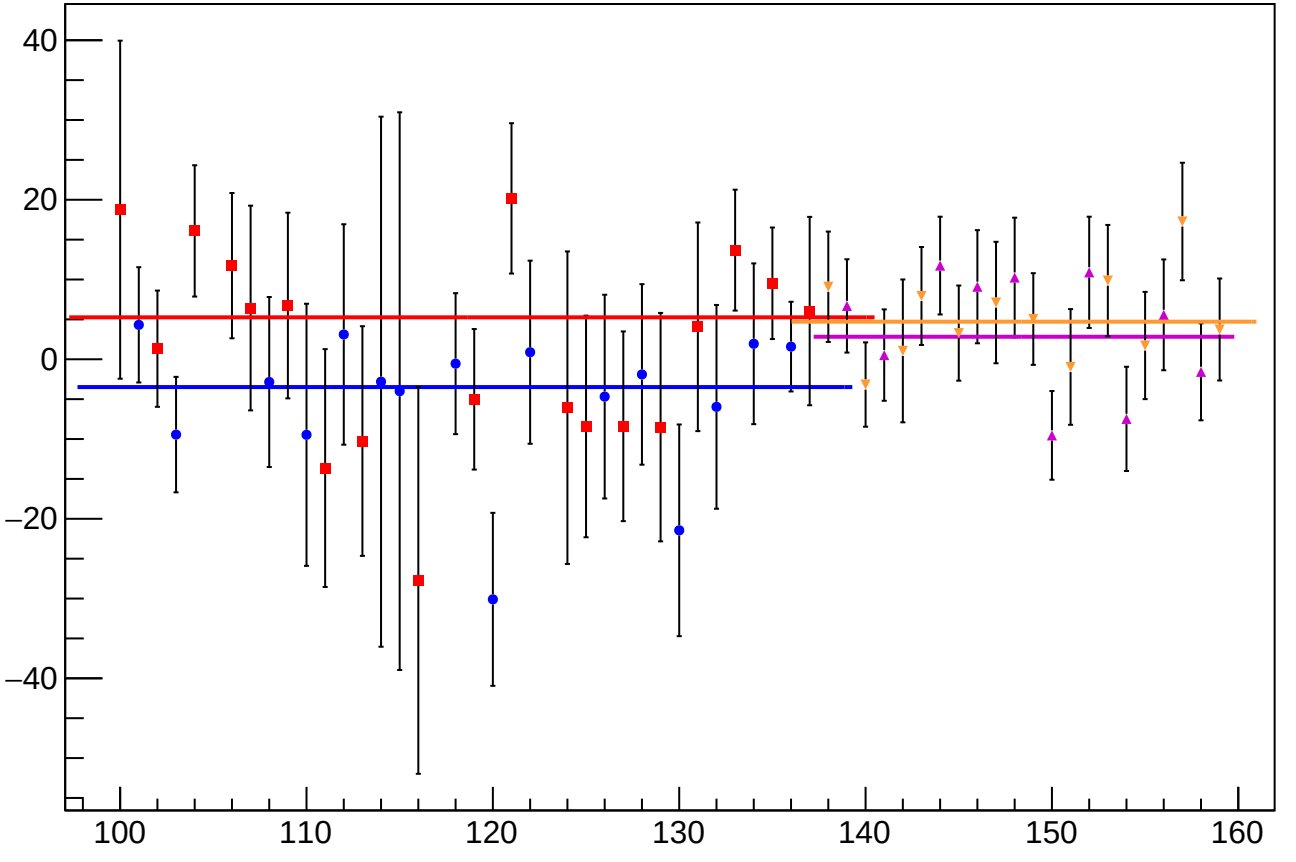
Left In: 8674.761+/-2.099 χ^2/NDF:289132.0/9

+ sign 9294.805+/-1.661 χ^2/NDF: 1942509.7/27

All: 9479.238+/-1.206 χ^2/NDF: 3710443.4/56

- sign 9685.012+/-1.754 χ^2/NDF: 1741842.3/28

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.712+/-1.904 χ^2/NDF:7.5/11

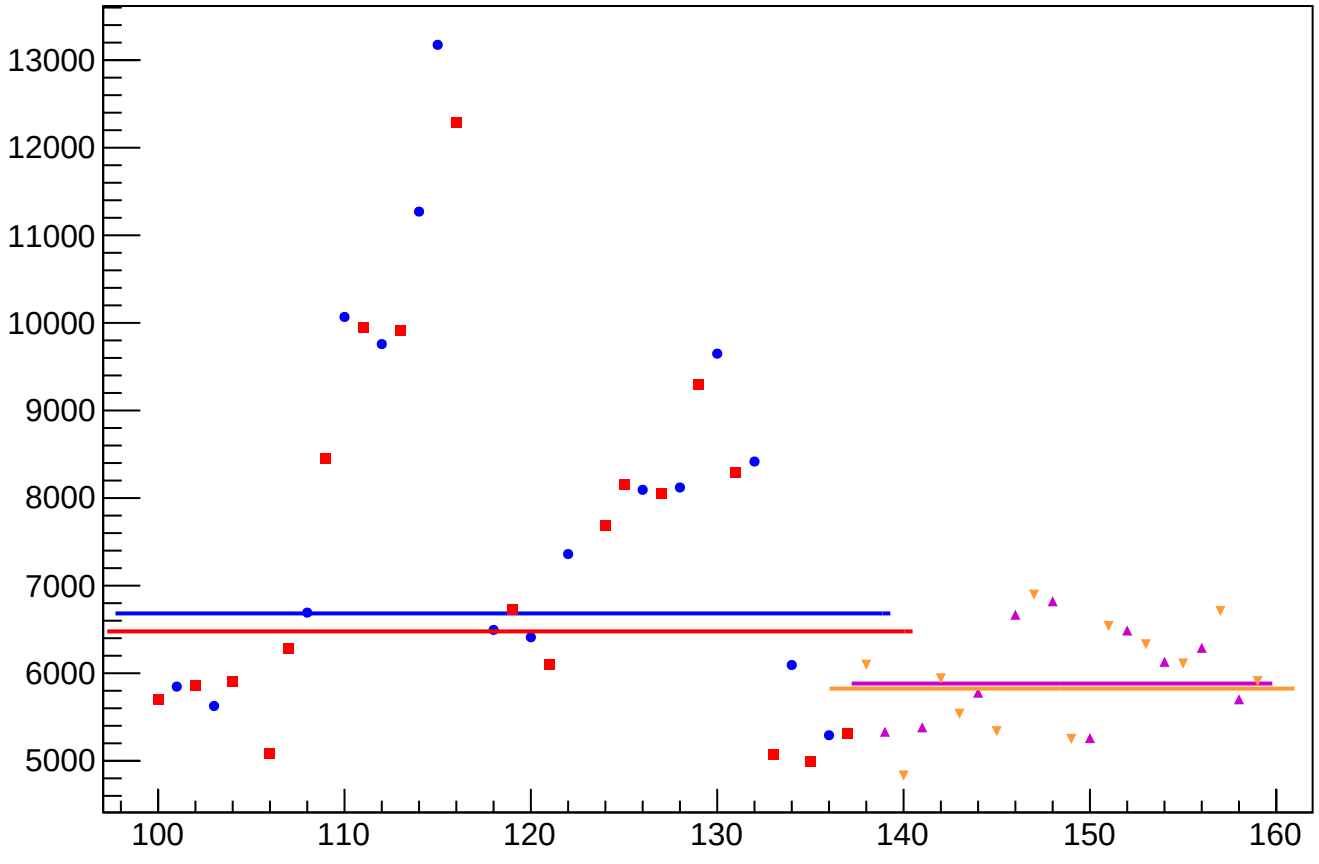
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 2.824+/-2.008 χ^2/NDF:13.9/9

+ sign 1.777+/-1.526 χ^2/NDF: 25.6/27

All: 2.773+/-1.088 χ^2/NDF: 57.6/56

- sign 3.804+/-1.552 χ^2/NDF: 31.1/28



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

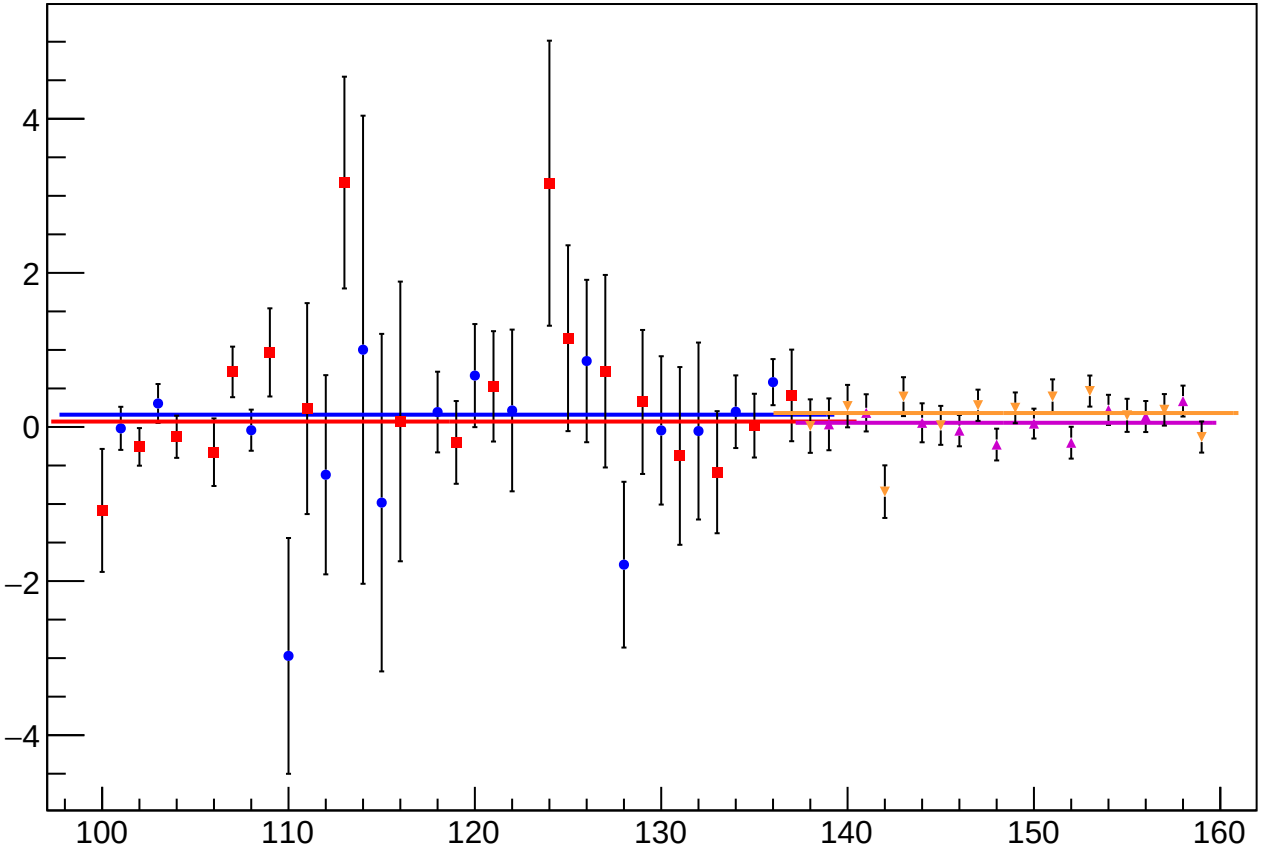
Left In: 5882.468+/-1.420 χ^2/NDF:141005.3/9

+ sign 6132.229+/-1.079 χ^2/NDF: 1051420.2/27

All: 6127.302+/-0.769 χ^2/NDF: 2102546.9/56

- sign 6122.204+/-1.097 χ^2/NDF: 1051084.2/28

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

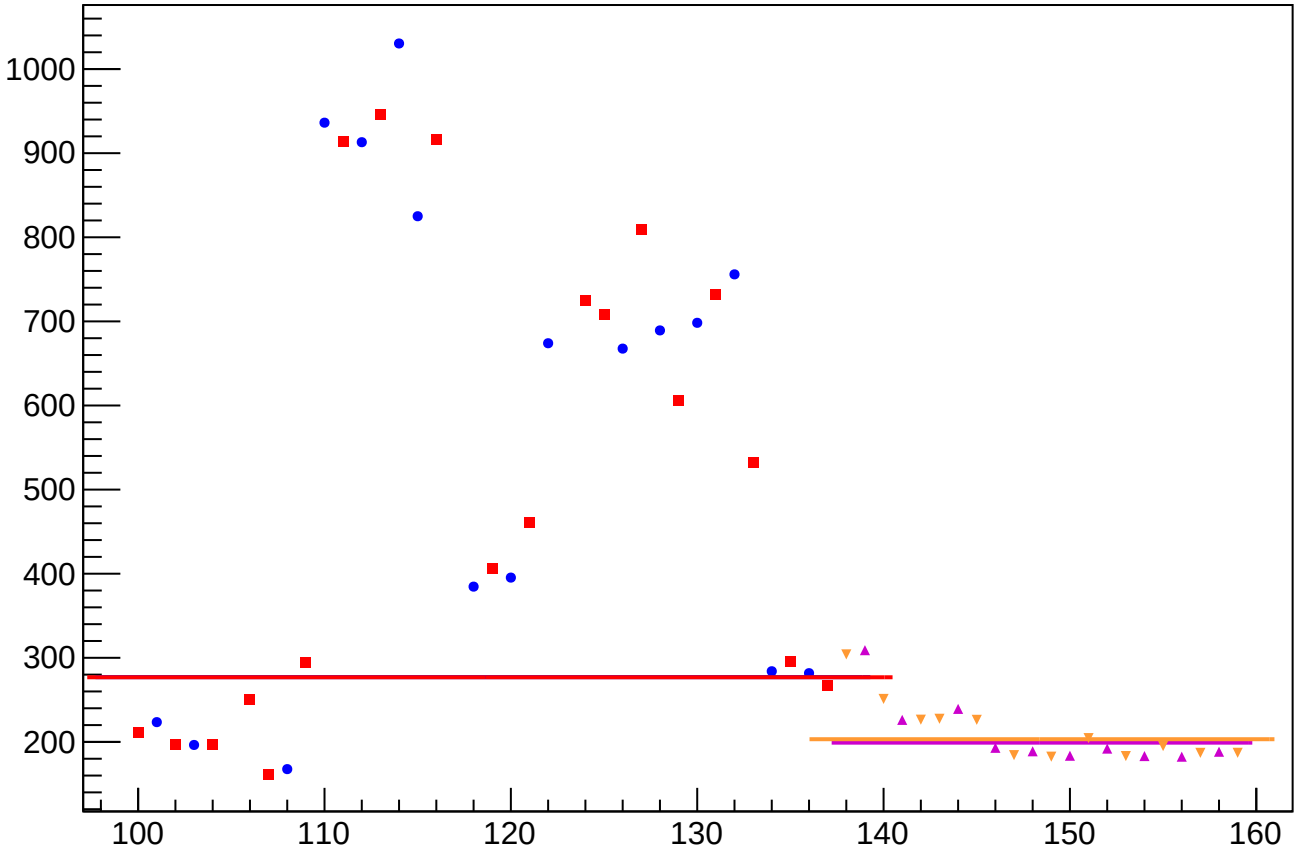
Left In: 0.054+/-0.068 χ^2/NDF:6.9/9

+ sign 0.176+/-0.058 χ^2/NDF: 28.7/27

All: 0.118+/-0.042 χ^2/NDF: 60.0/56

- sign 0.058+/-0.059 χ^2/NDF: 29.3/28

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

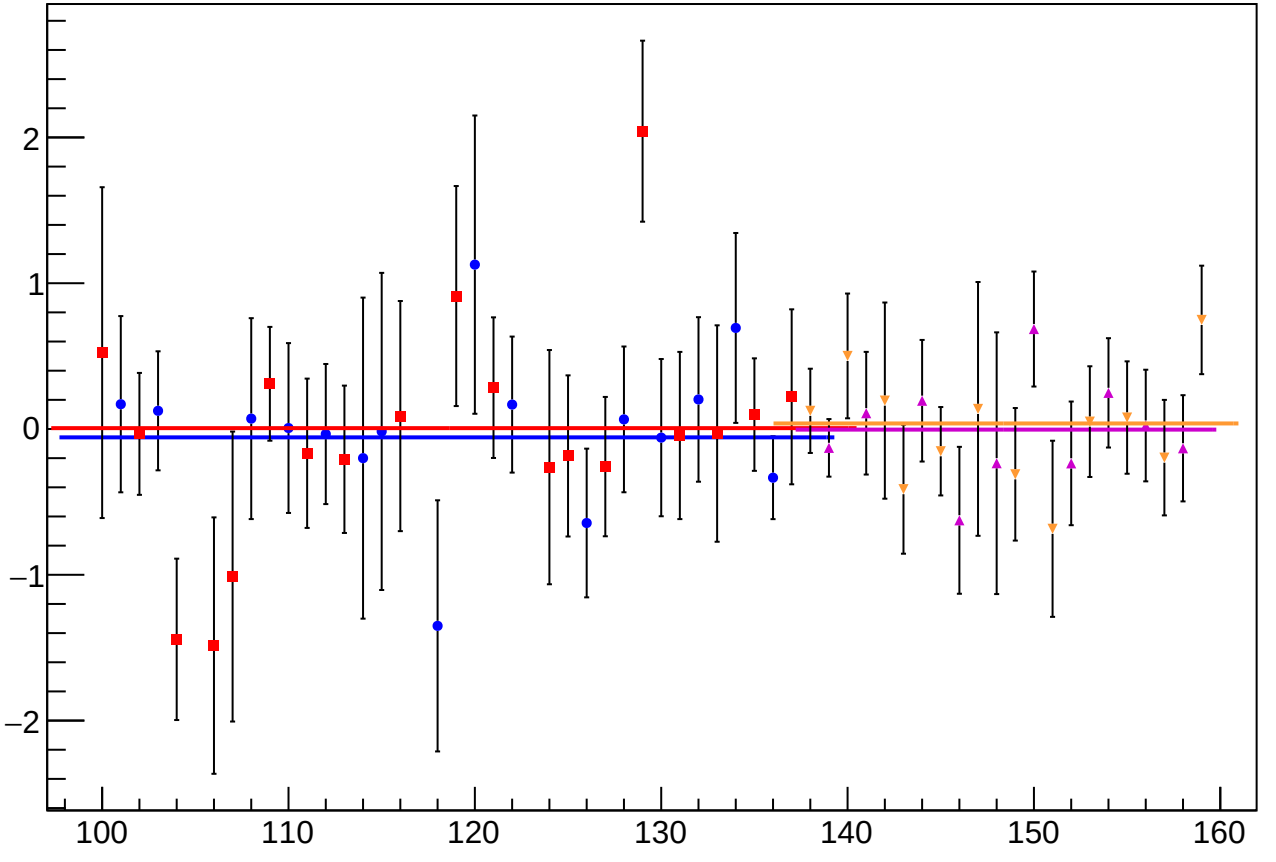
Left In: 199.124+/-0.048 χ^2/NDF:344099.1/9

+ sign 220.679+/-0.041 χ^2/NDF: 4392912.0/27

All: 219.448+/-0.029 χ^2/NDF: 8947395.7/56

- sign 218.172+/-0.042 χ^2/NDF: 4552660.3/28

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.038+/-0.118 χ^2/NDF:8.8/11

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

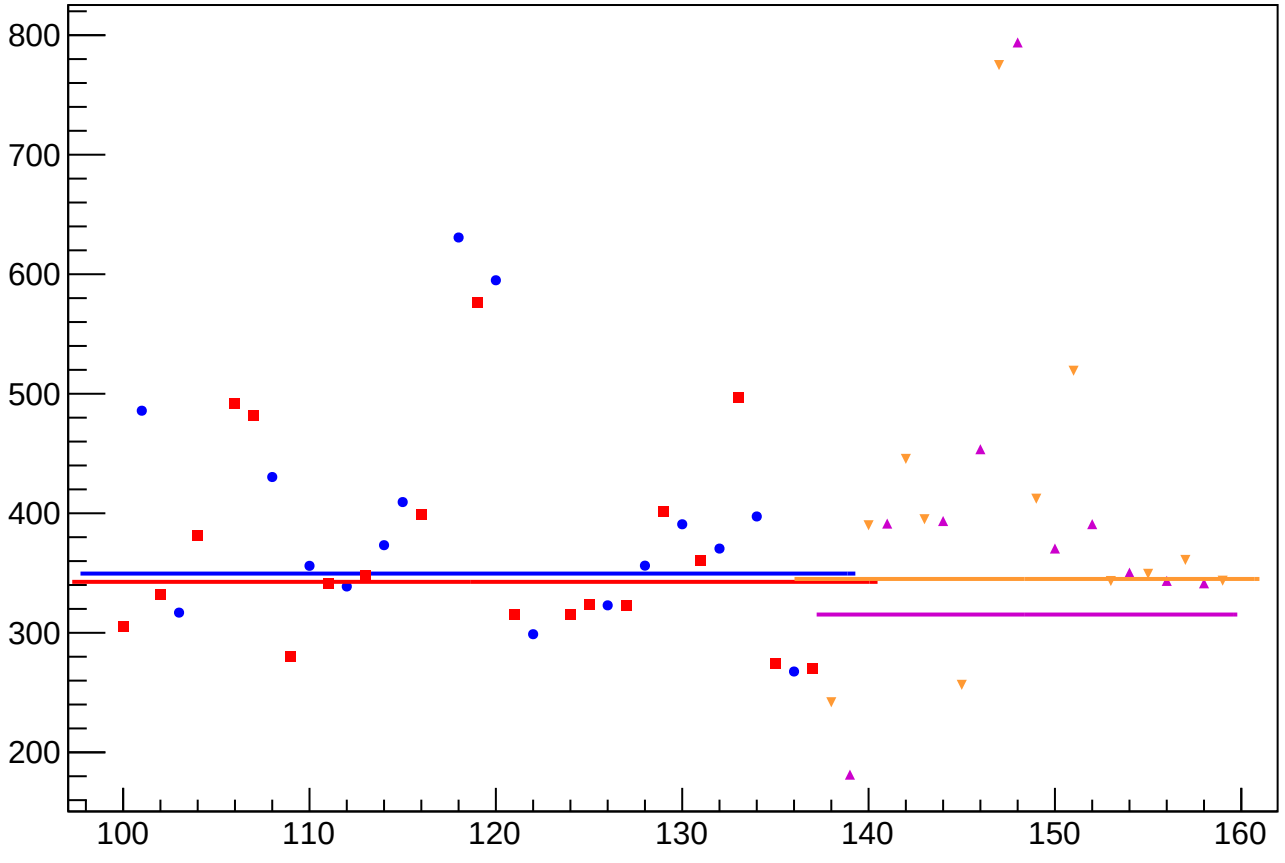
Left In: -0.004+/-0.115 χ^2/NDF:6.2/9

+ sign -0.004+/-0.089 χ^2/NDF: 17.2/27

All: -0.002+/-0.062 χ^2/NDF: 48.6/56

- sign 0.000+/-0.086 χ^2/NDF: 31.4/28

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

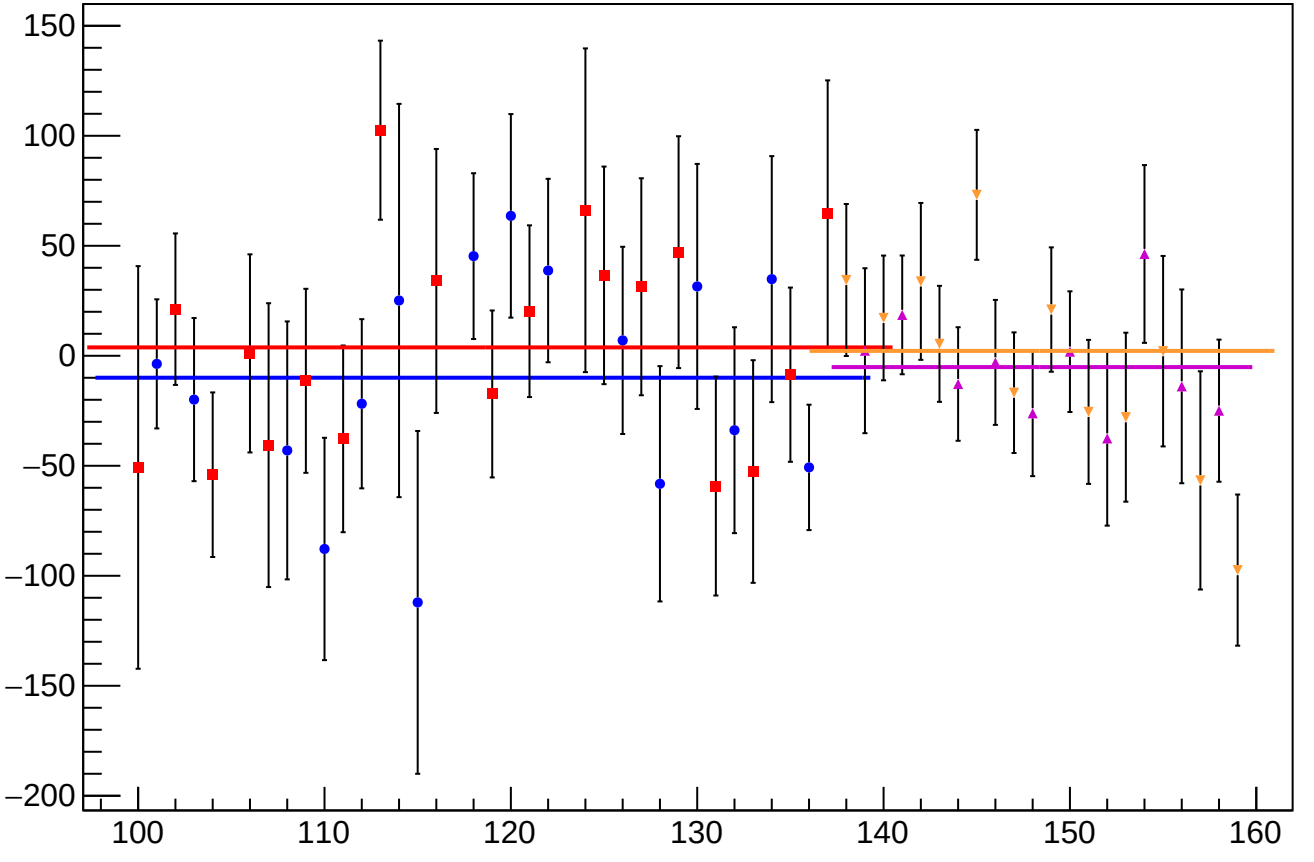
Left In: 315.290+/-0.081 χ^2/NDF:1916215.3/9

+ sign 347.028+/-0.063 χ^2/NDF: 1919685.0/27

All: 336.912+/-0.044 χ^2/NDF: 4512480.2/56

- sign 327.405+/-0.061 χ^2/NDF: 2542118.2/28

diff_bpmE_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

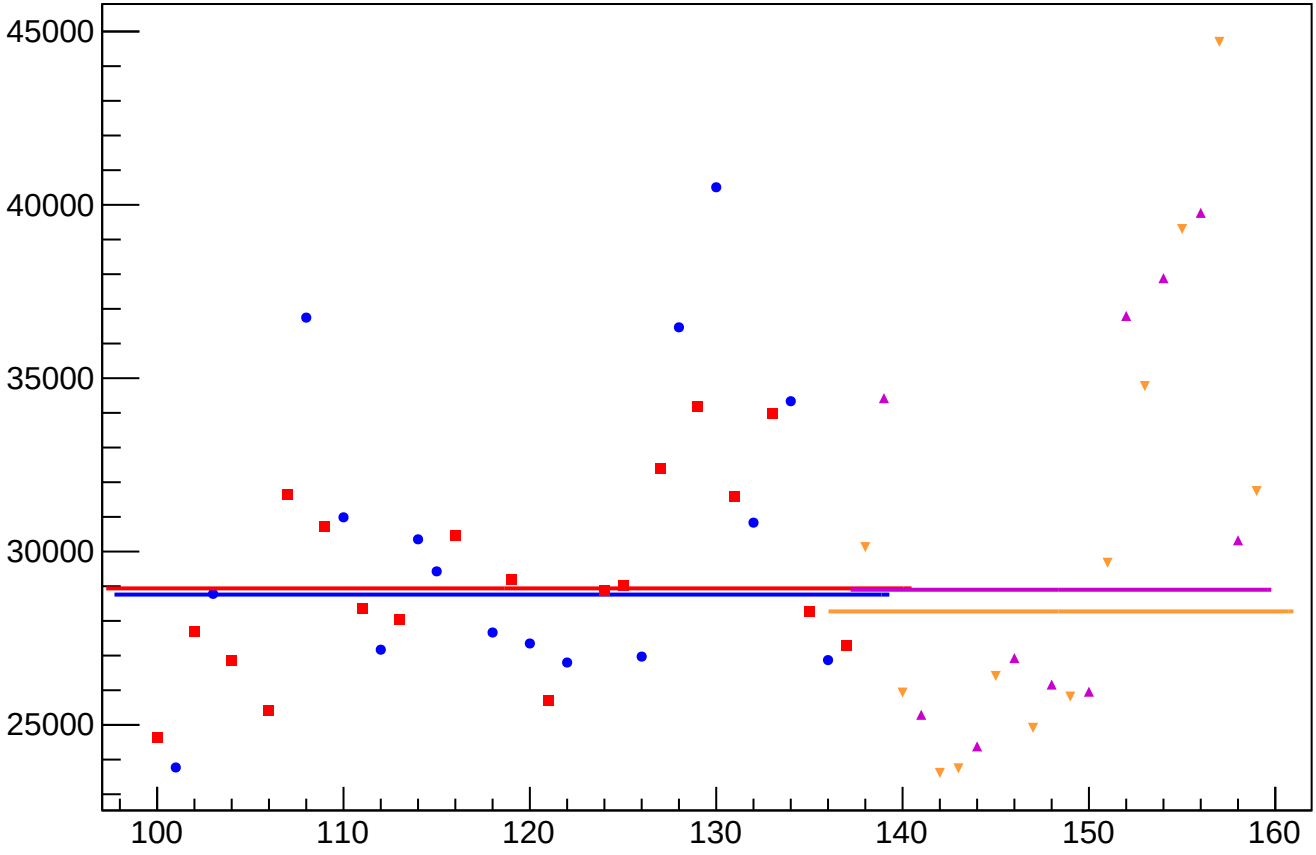
Left In: -5.145+/-9.950 χ^2/NDF:4.2/9

+ sign -2.983+/-7.080 χ^2/NDF: 35.8/27

All: -2.000+/-5.071 χ^2/NDF: 57.7/56

- sign -0.964+/-7.266 χ^2/NDF: 21.9/28

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

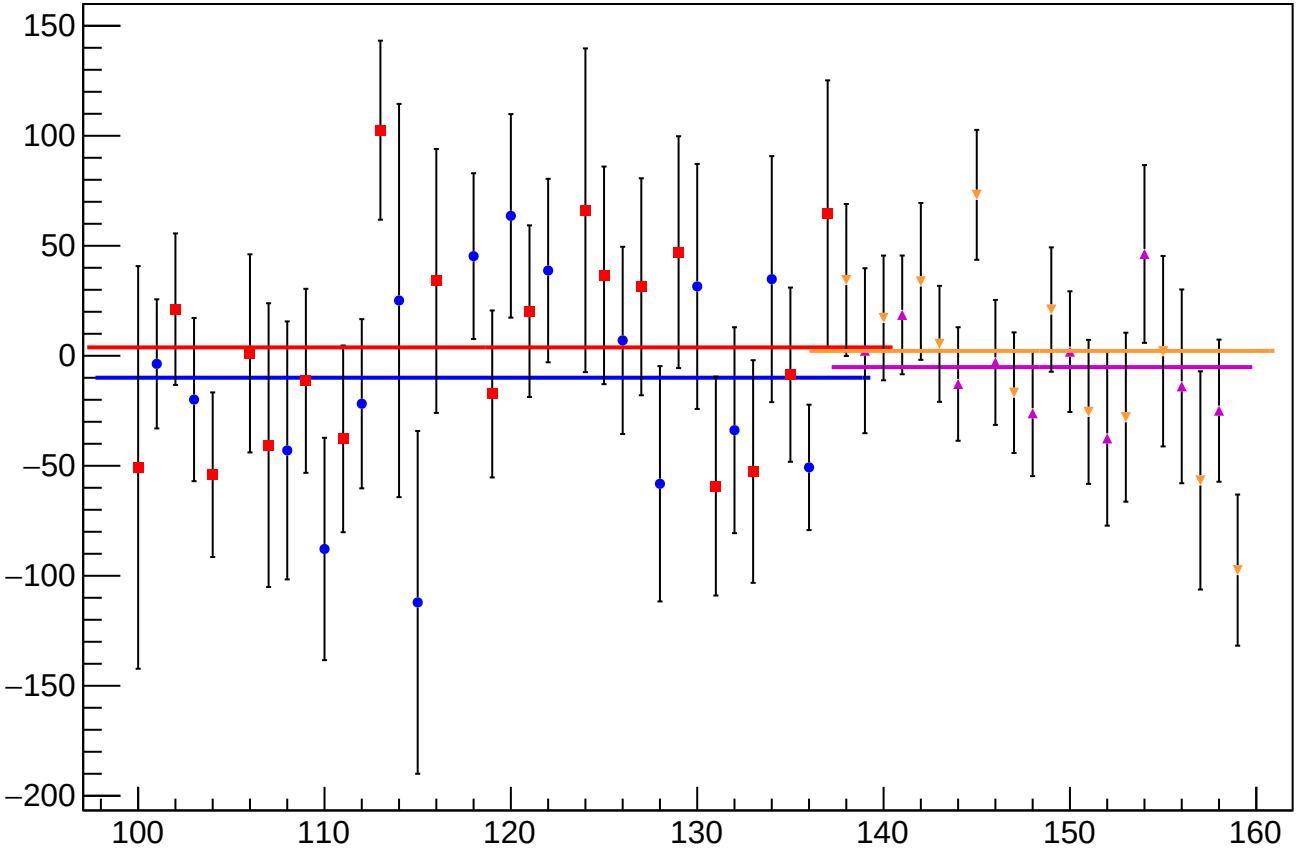
Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

+ sign 28480.912+/-5.006 χ^2/NDF: 876006.0/27

All: 28693.200+/-3.586 χ^2/NDF: 1481351.0/5

- sign 28916.802+/-5.138 χ^2/NDF: 601652.9/28

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

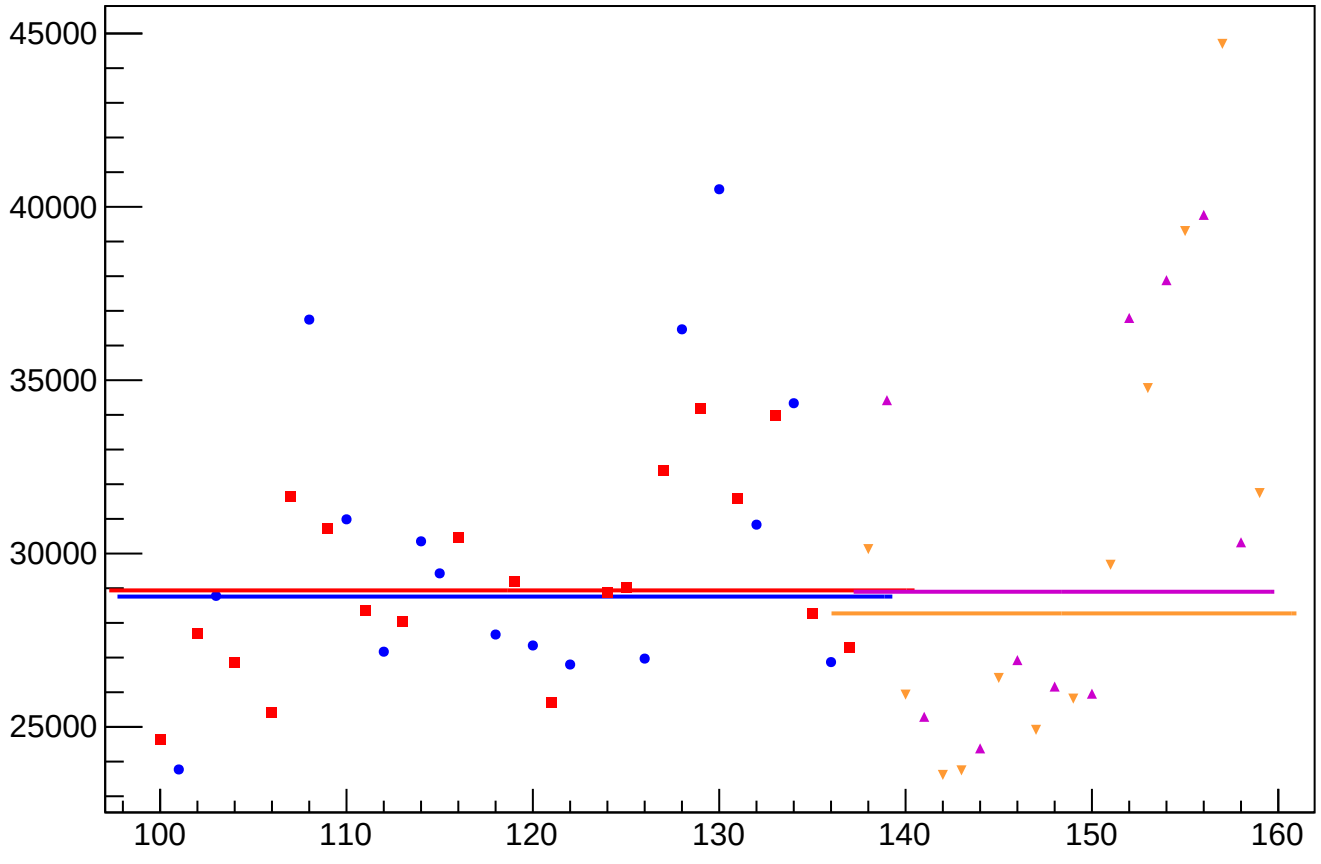
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -5.145+/-9.950 χ^2/NDF:4.2/9

+ sign -2.983+/-7.080 χ^2/NDF: 35.8/27

All: -2.000+/-5.071 χ^2/NDF: 57.7/56

- sign -0.964+/-7.266 χ^2/NDF: 21.9/28



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28273.727+/-6.613 χ^2/NDF:596066.5/11

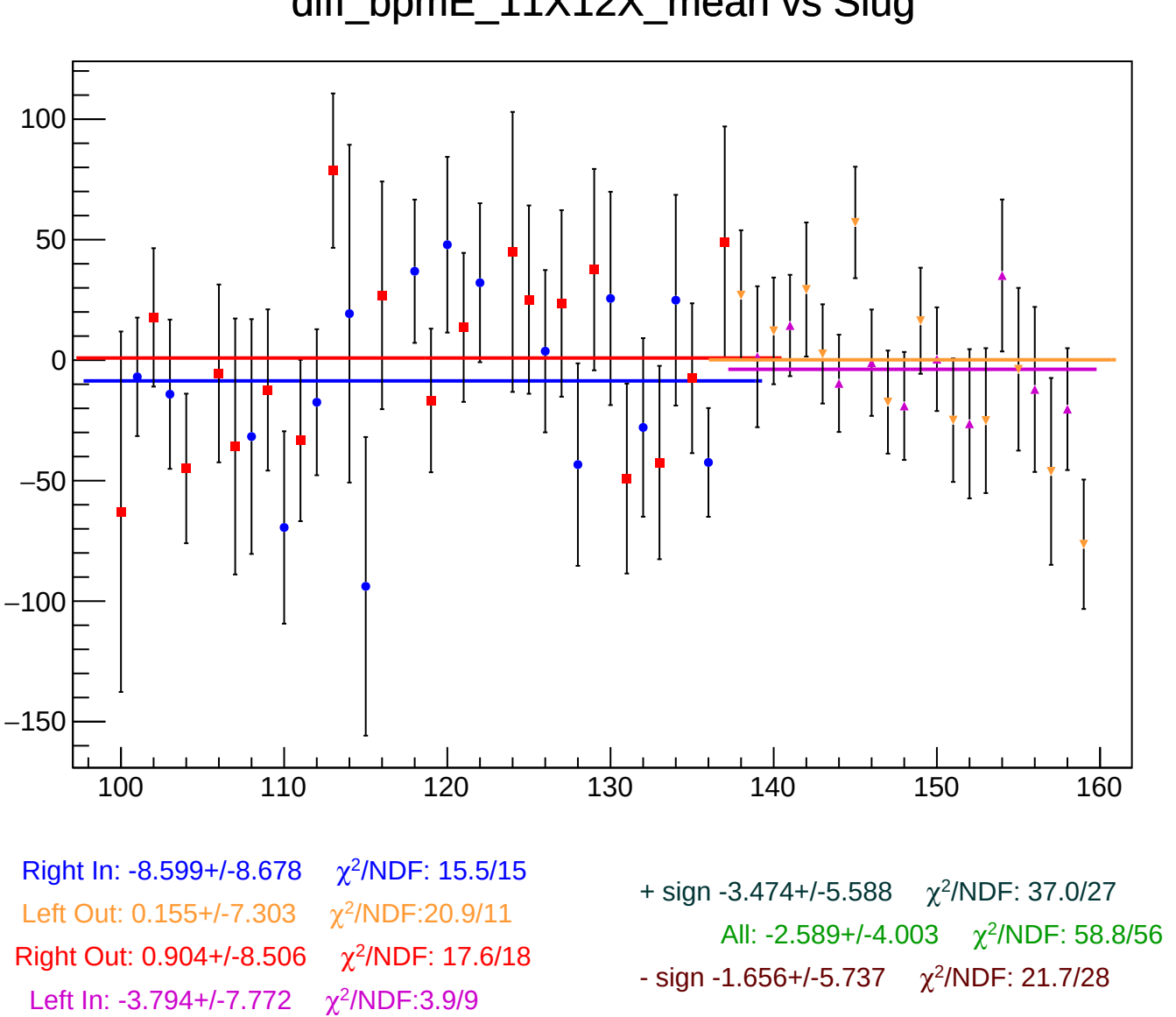
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

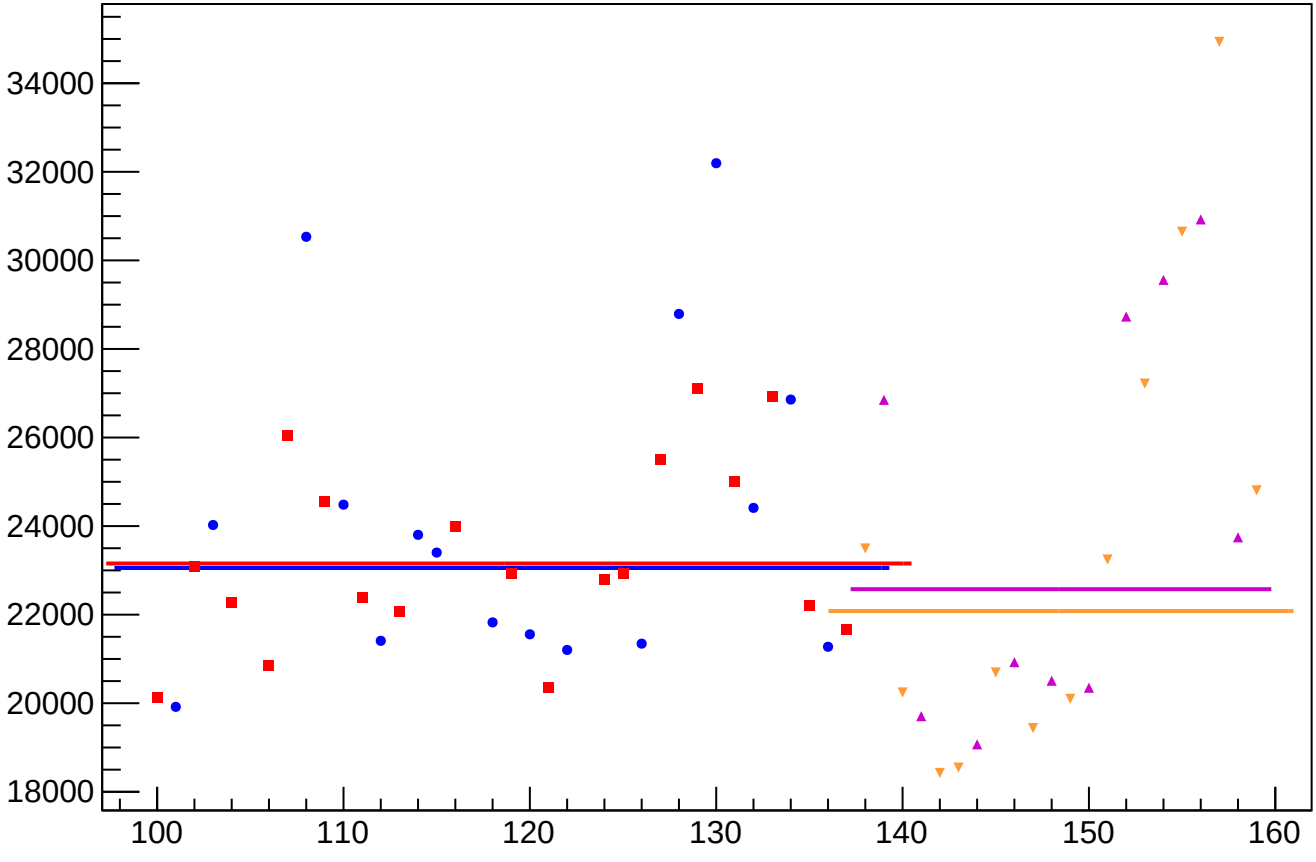
+ sign 28480.912+/-5.006 χ^2/NDF: 876006.0/27

All: 28693.200+/-3.586 χ^2/NDF: 1481351.0/5

- sign 28916.802+/-5.138 χ^2/NDF: 601652.9/28


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: -3.794+/-7.772 χ²/NDF:3.9/9
+ sign -3.474+/-5.588 χ²/NDF: 37.0/27
All: -2.589+/-4.003 χ²/NDF: 58.8/56
- sign -1.656+/-5.737 χ²/NDF: 21.7/28

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

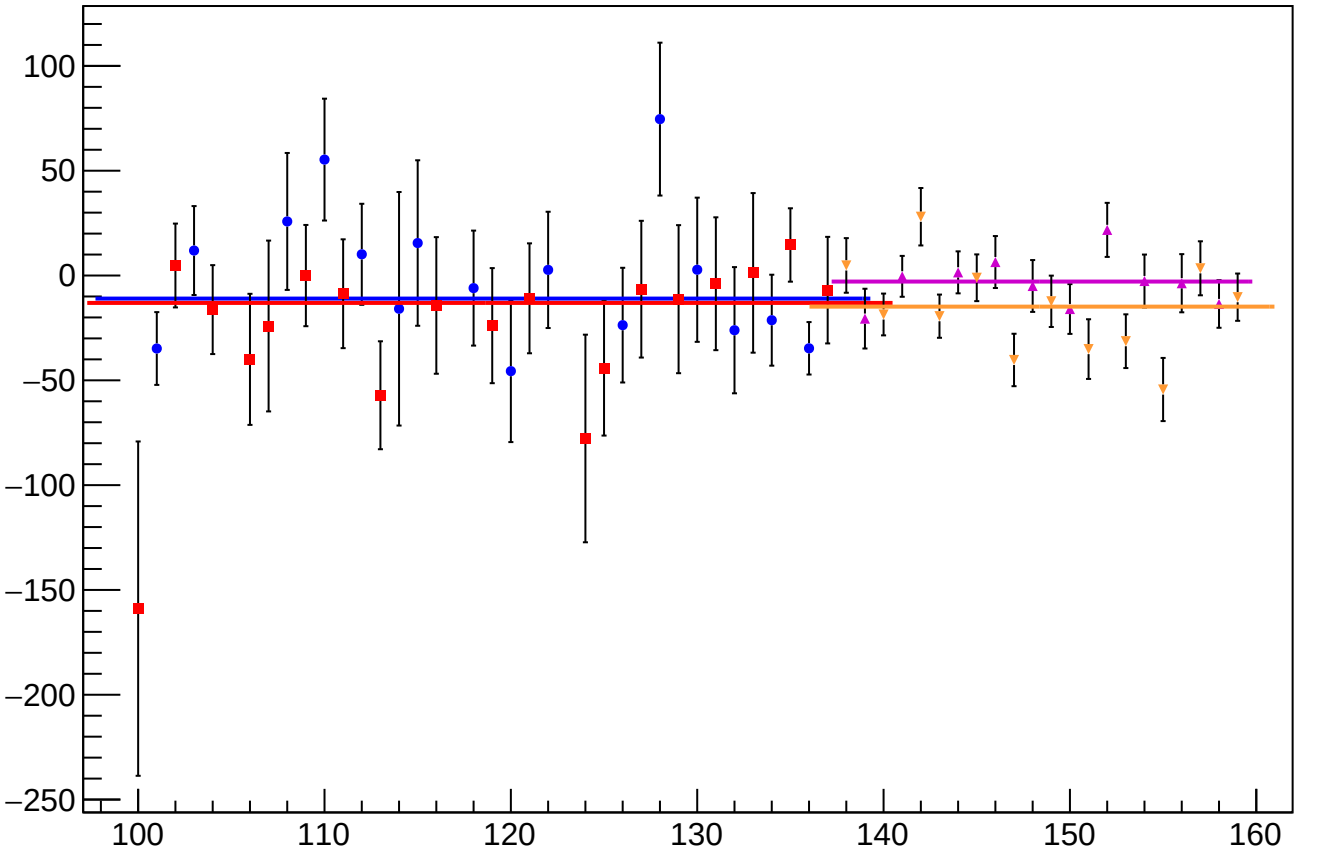
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 22575.425+/-5.495 χ^2/NDF:490142.4/9

+ sign 22484.190+/-3.951 χ^2/NDF: 874526.4/27

All: 22657.026+/-2.831 χ^2/NDF: 1467558.7/5

- sign 22839.233+/-4.057 χ^2/NDF: 589101.8/28



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -14.842+/-3.511 χ^2/NDF:30.9/11

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

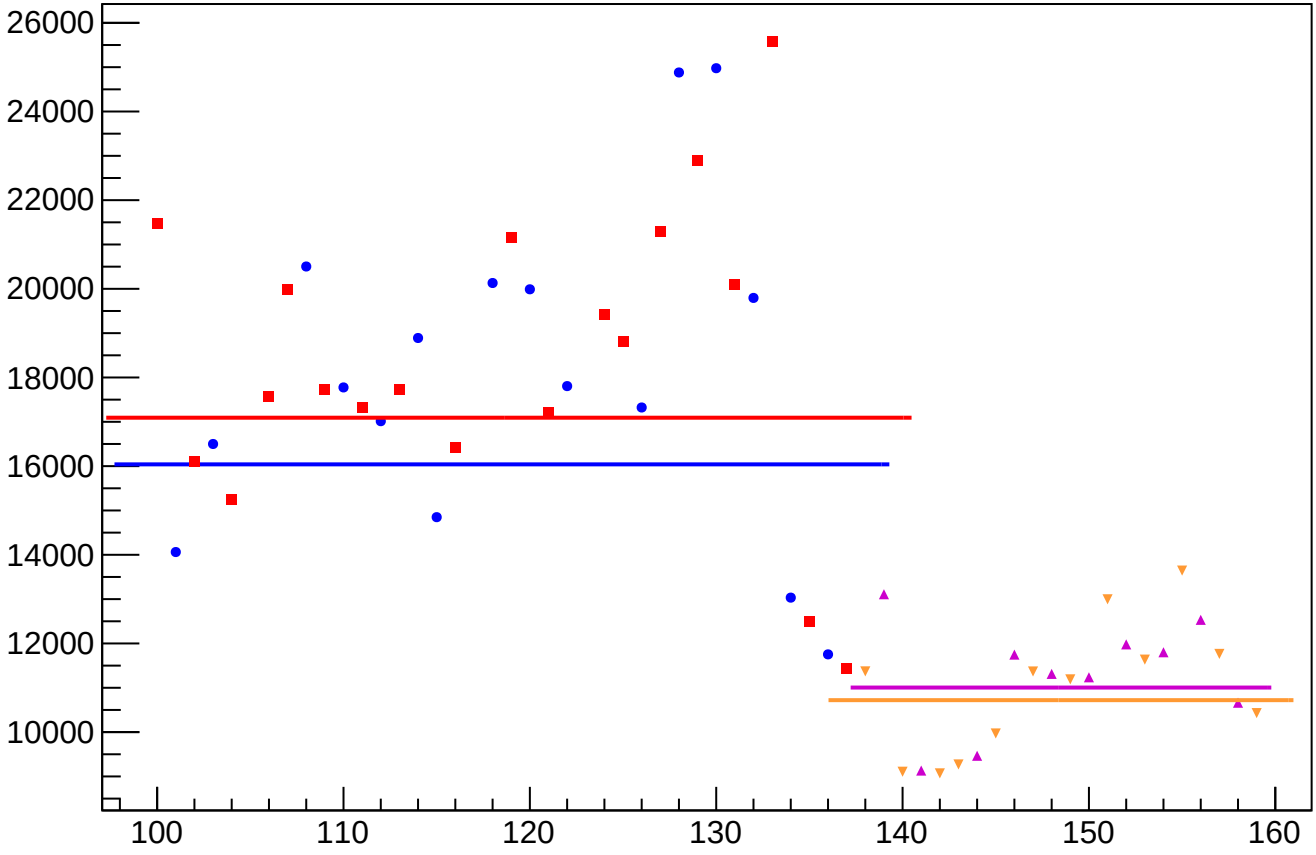
Left In: -2.882+/-3.759 χ^2/NDF:8.2/9

\+ sign -13.899+/-3.050 χ^2/NDF: 53.2/27

All: -9.955+/-2.220 χ^2/NDF: 80.6/56

\- sign -5.506+/-3.239 χ^2/NDF: 23.9/28

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

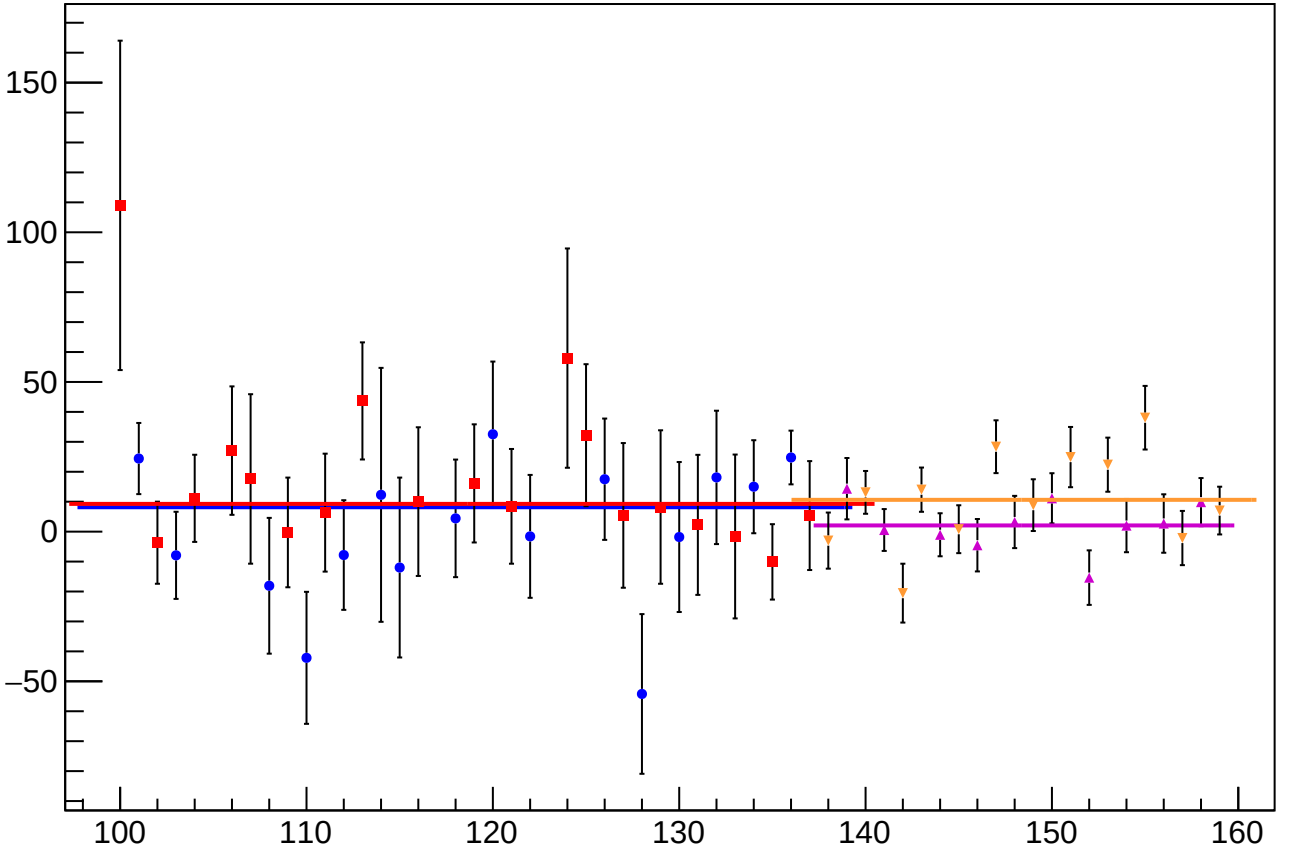
Left In: 11005.091+/-2.658 χ^2/NDF:219165.5/9

+ sign 12026.929+/-2.157 χ^2/NDF: 2144063.8/27

All: 12283.577+/-1.570 χ^2/NDF: 4279899.3/5

- sign 12573.001+/-2.290 χ^2/NDF: 2105702.8/28

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

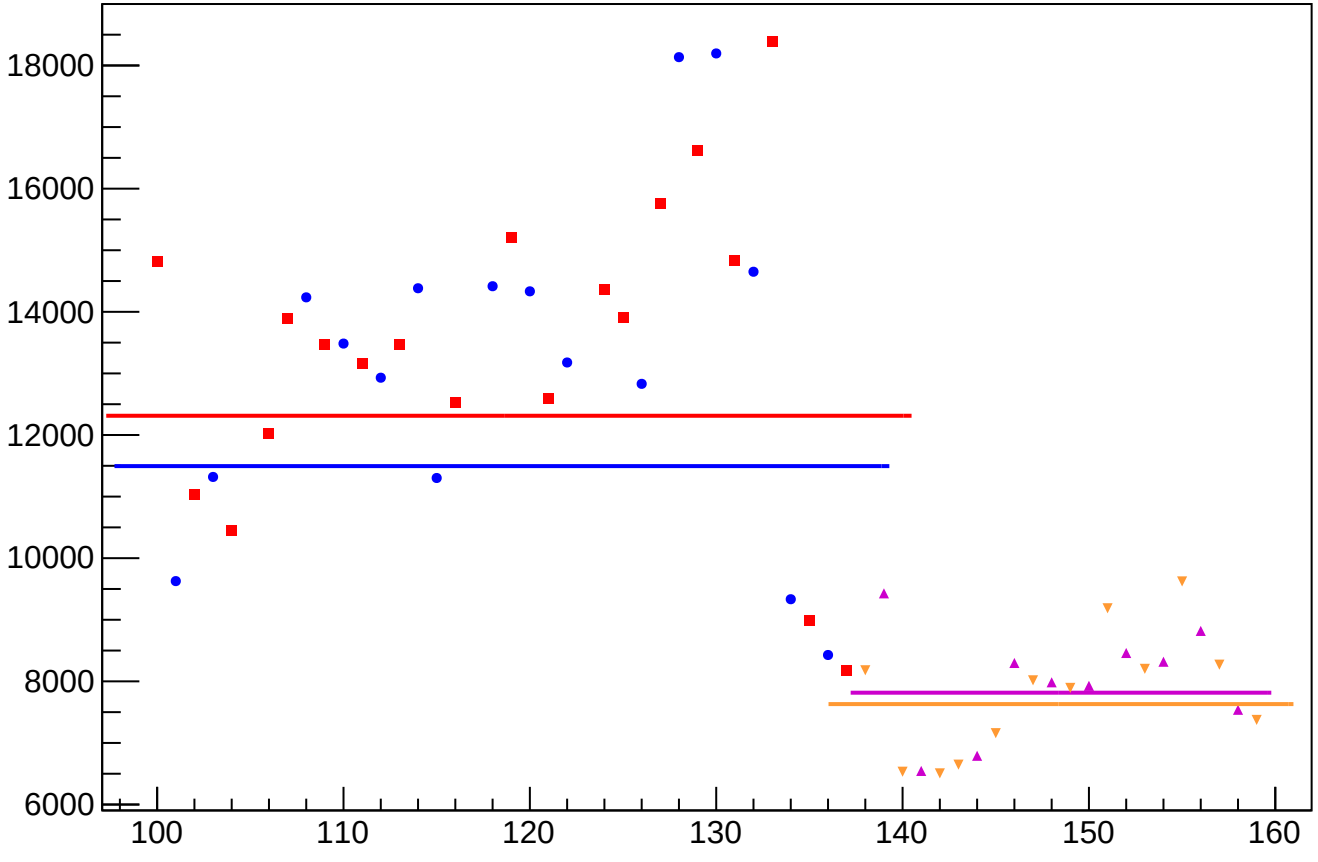
Left In: 2.073+/-2.668 χ^2/NDF:8.0/9

+ sign 10.026+/-2.175 χ^2/NDF: 52.7/27

All: 7.138+/-1.583 χ^2/NDF: 80.2/56

- sign 3.880+/-2.309 χ^2/NDF: 23.7/28

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

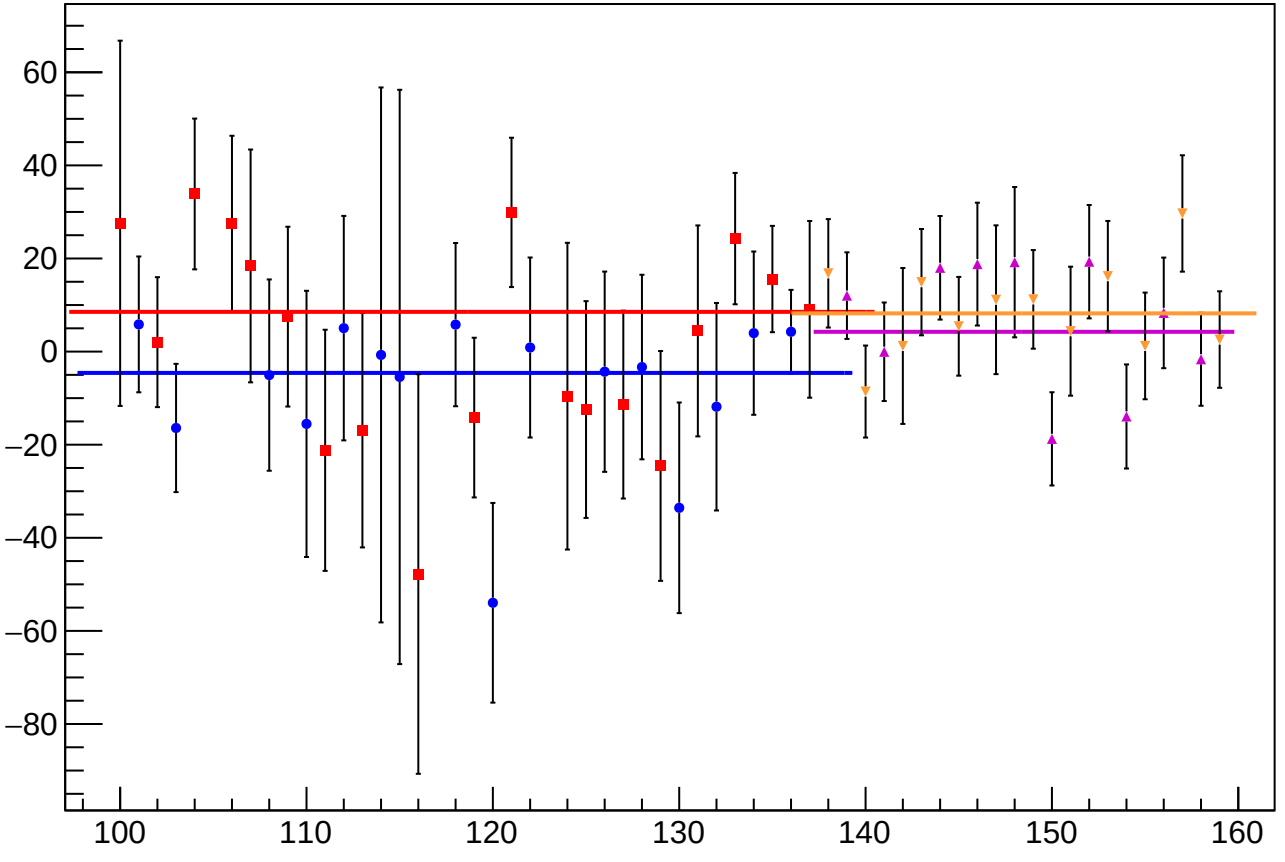
Left In: 7815.821+/-1.887 χ^2/NDF:203261.2/9

+ sign 8564.910+/-1.538 χ^2/NDF: 2213986.5/27

All: 8743.724+/-1.119 χ^2/NDF: 4471453.1/56

- sign 8945.337+/-1.633 χ^2/NDF: 2228695.6/28

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

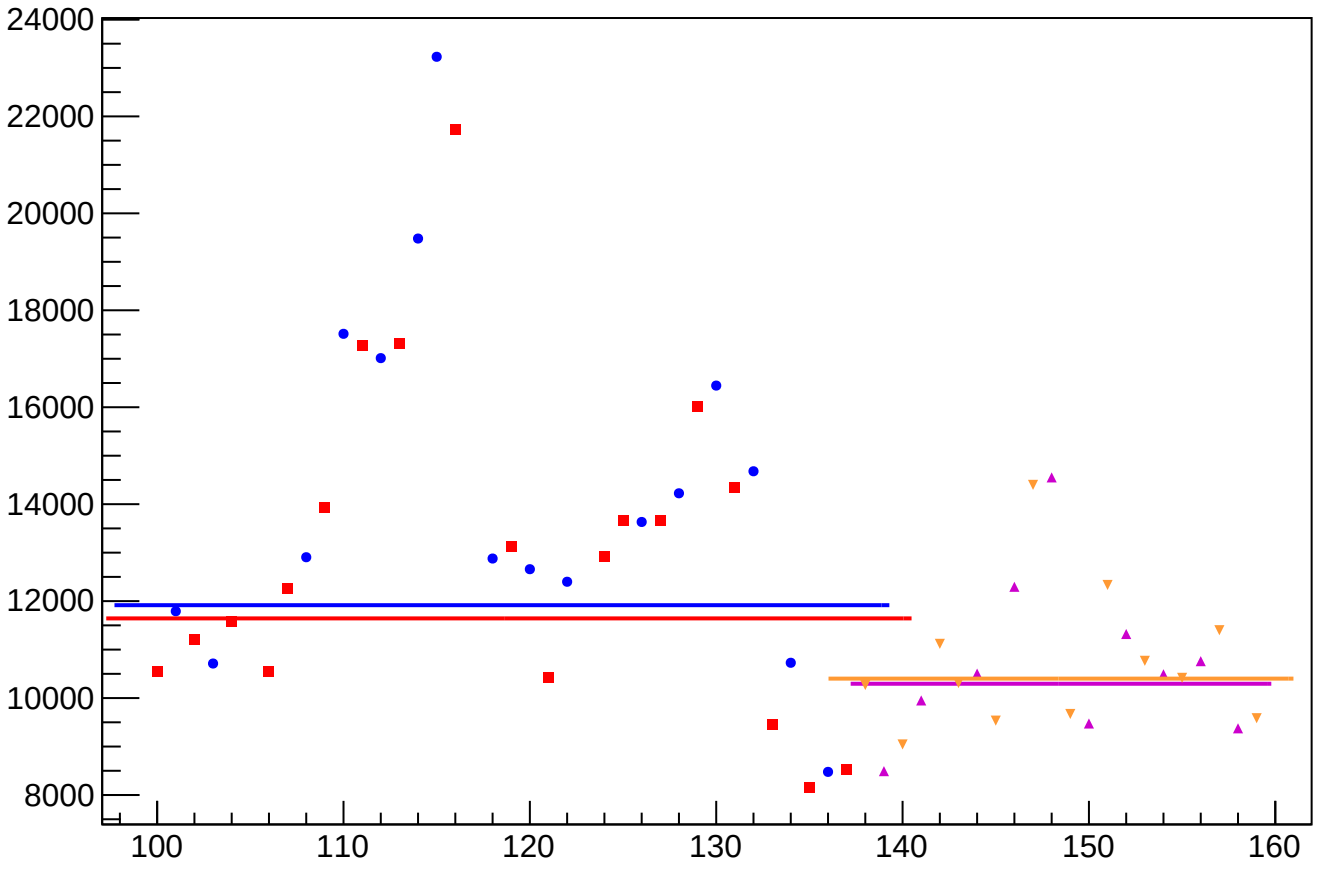
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 4.250+/-3.537 χ^2/NDF:14.4/9

\+ sign 3.624+/-2.727 χ^2/NDF: 23.6/27

All: 4.769+/-1.938 χ^2/NDF: 56.1/56

\- sign 5.937+/-2.755 χ^2/NDF: 32.1/28



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

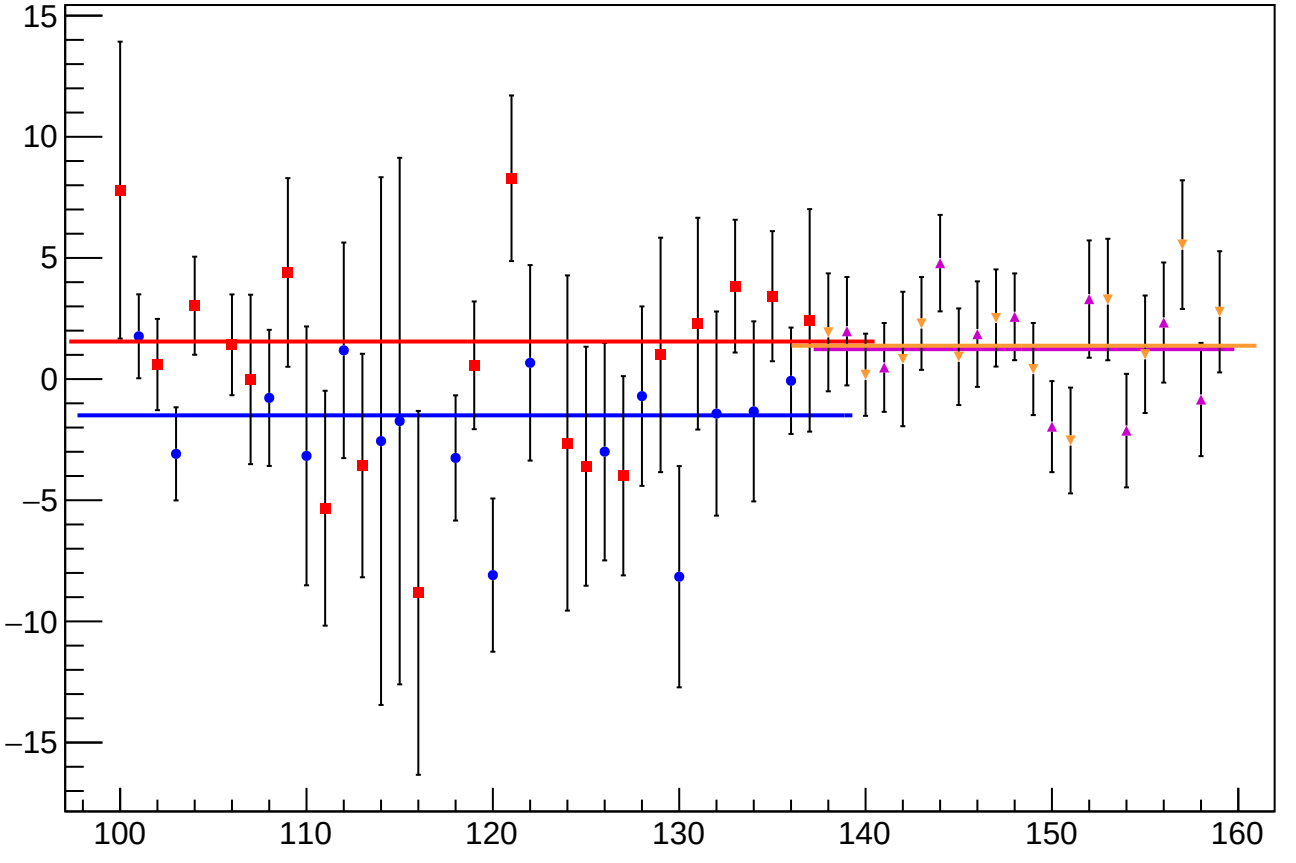
Left In: 10295.511+/-2.501 χ^2/NDF:311178.7/9

\+ sign 10944.743+/-1.929 χ^2/NDF: 1147504.5/27

All: 10885.838+/-1.370 χ^2/NDF: 2365229.6/5

\- sign 10825.755+/-1.948 χ^2/NDF: 1215840.8/28

diff_bpm4aediffY_mean vs Slug



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

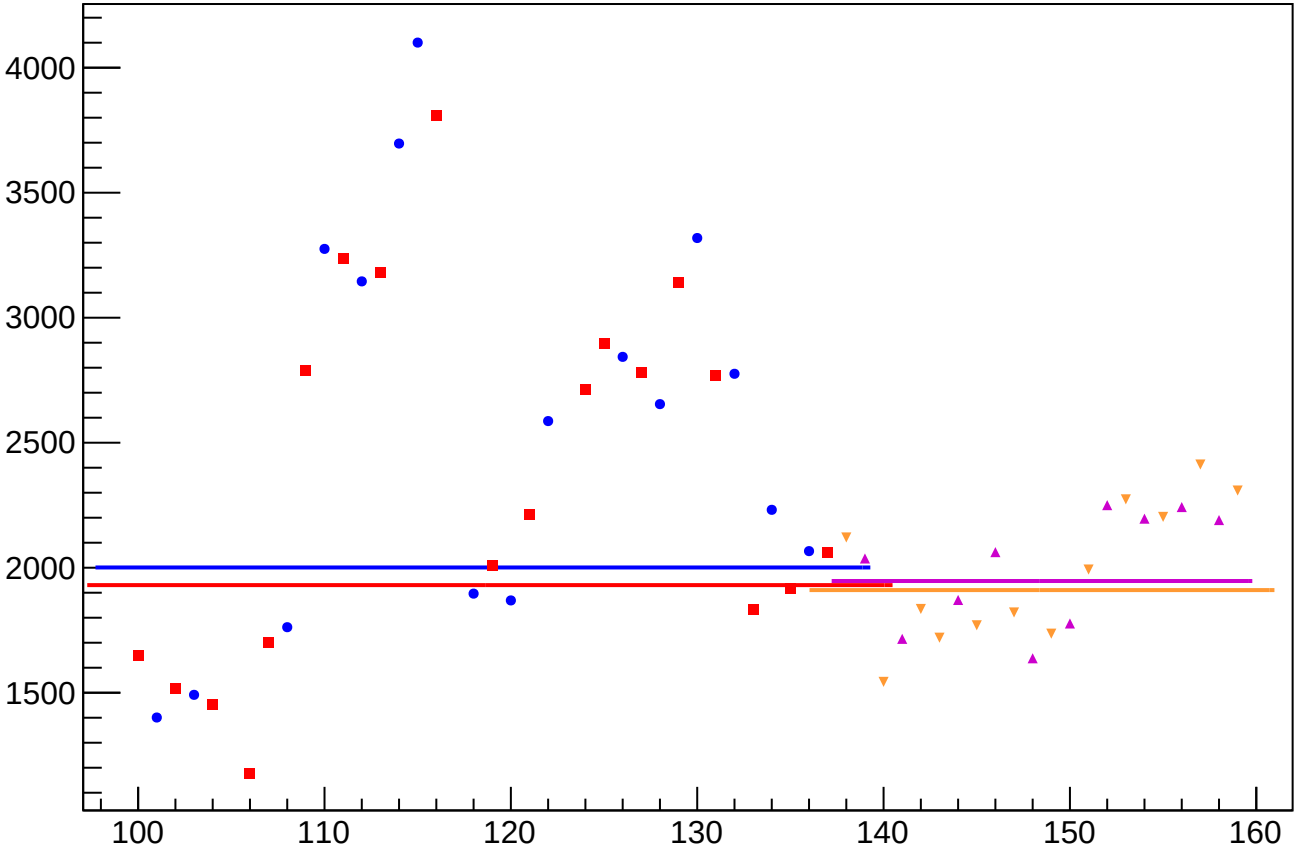
Left In: 1.235+/-0.666 χ^2/NDF:10.8/9

+ sign 0.244+/-0.489 χ^2/NDF: 28.9/27

All: 0.801+/-0.348 χ^2/NDF: 58.7/56

- sign 1.375+/-0.496 χ^2/NDF: 27.1/28

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

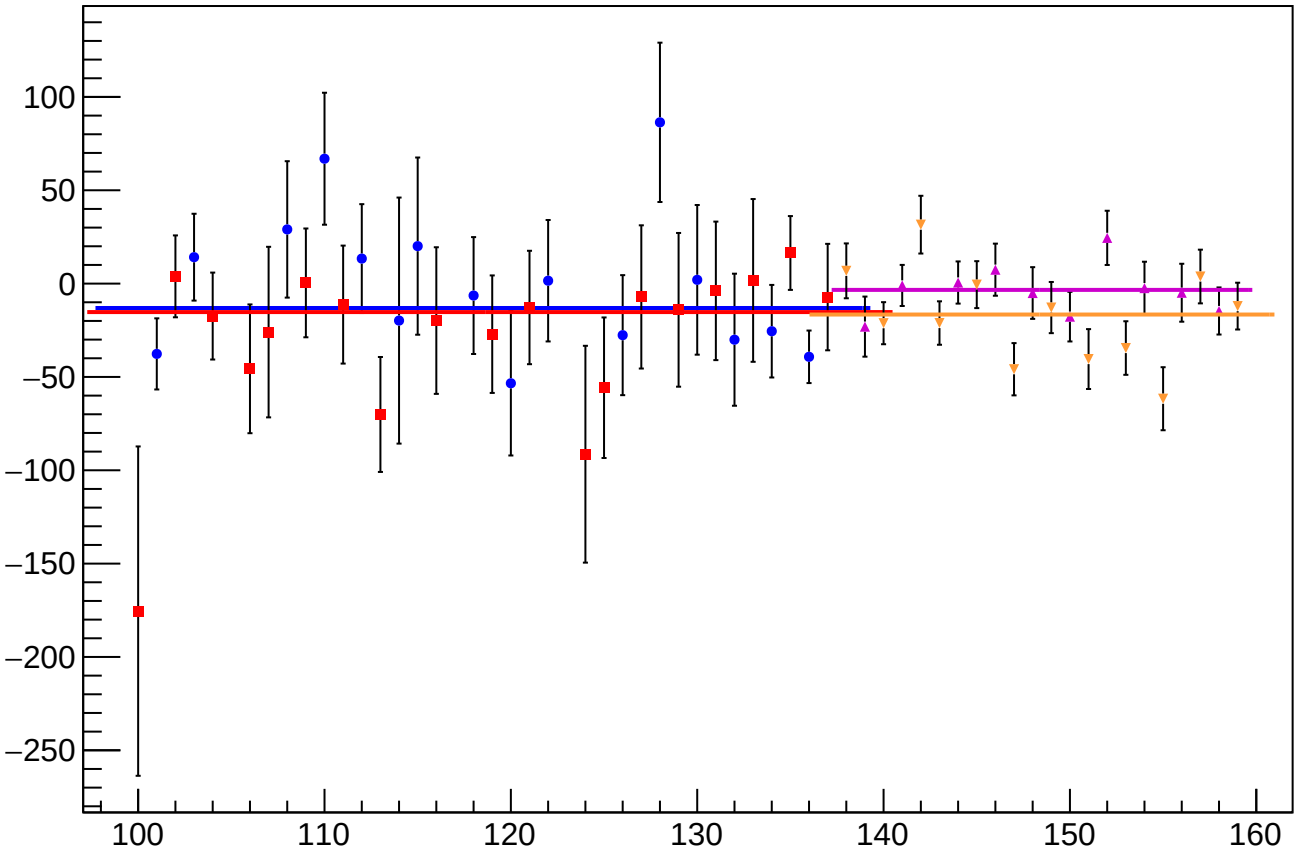
Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1946.843+/-0.471 χ^2/NDF:223918.9/9

+ sign 1946.194+/-0.346 χ^2/NDF: 1563134.1/27

All: 1942.923+/-0.246 χ^2/NDF: 3191327.3/56

- sign 1939.549+/-0.351 χ^2/NDF: 1628011.2/28



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -16.567+/-3.944 χ^2/NDF:31.7/11

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

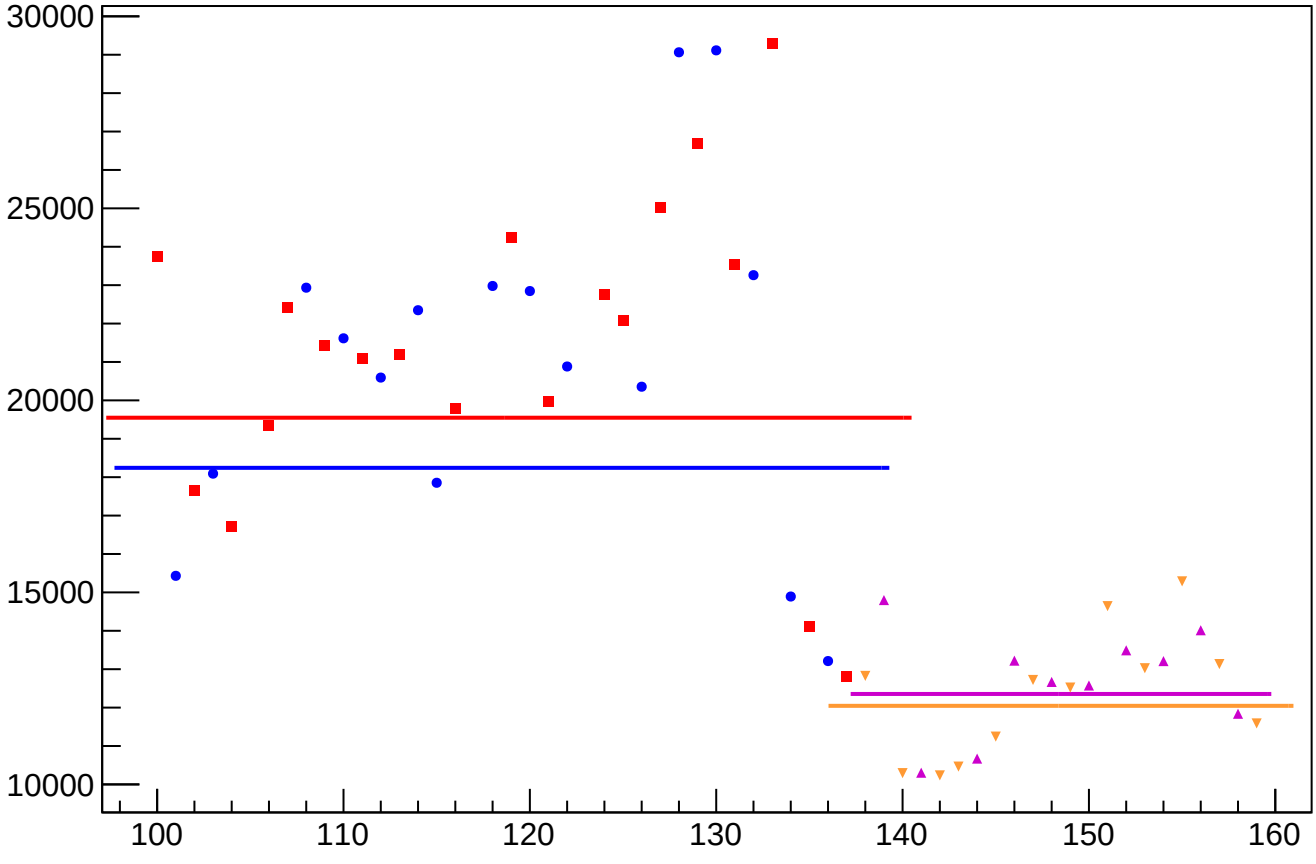
Left In: -3.369+/-4.220 χ^2/NDF:7.9/9

\+ sign -15.728+/-3.439 χ^2/NDF: 53.7/27

All: -11.317+/-2.505 χ^2/NDF: 81.5/56

\- sign -6.333+/-3.656 χ^2/NDF: 24.3/28

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

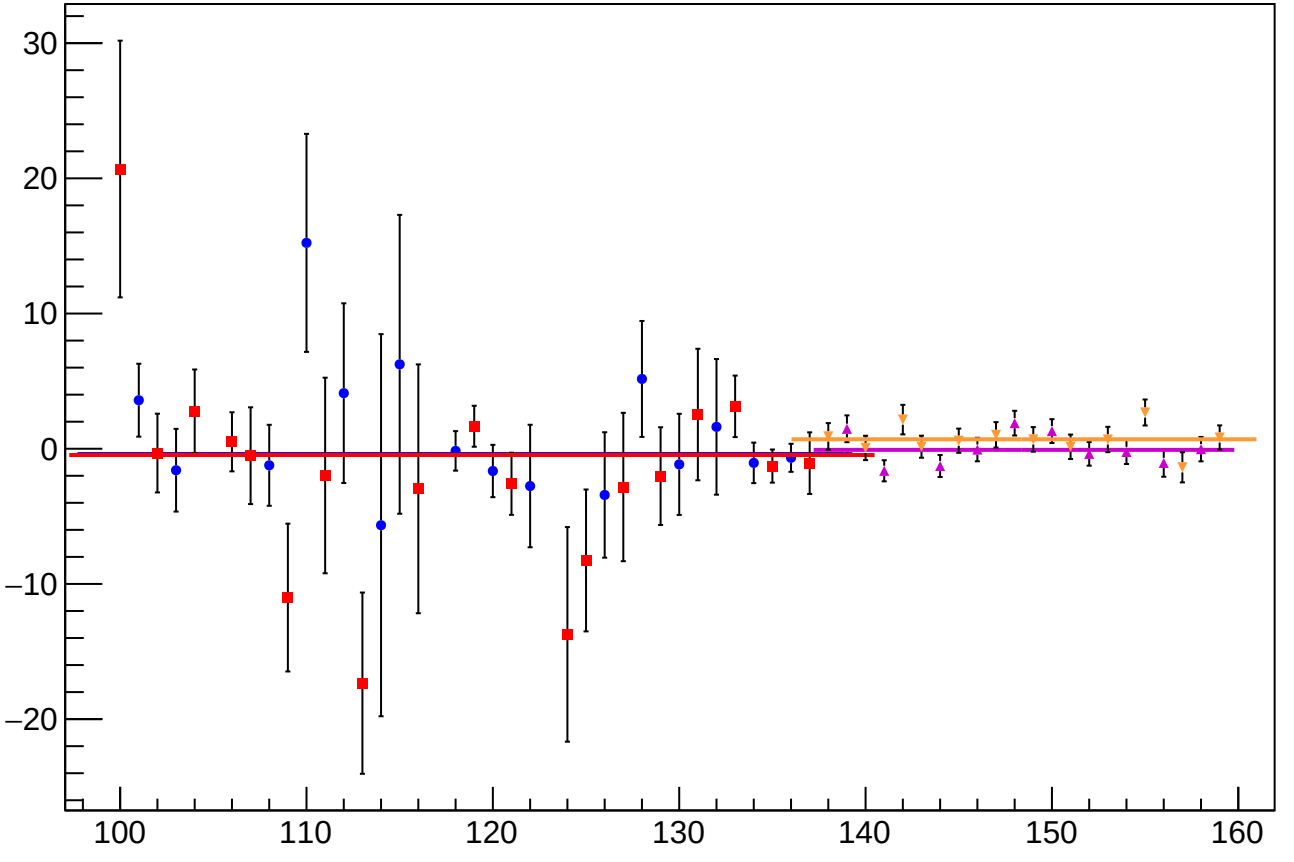
Left In: 12355.200+/-2.984 χ^2/NDF:215053.6/9

+ sign 13530.988+/-2.432 χ^2/NDF: 2285956.5/27

All: 13821.207+/-1.771 χ^2/NDF: 4602461.0/5

- sign 14149.117+/-2.585 χ^2/NDF: 2286173.8/28

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

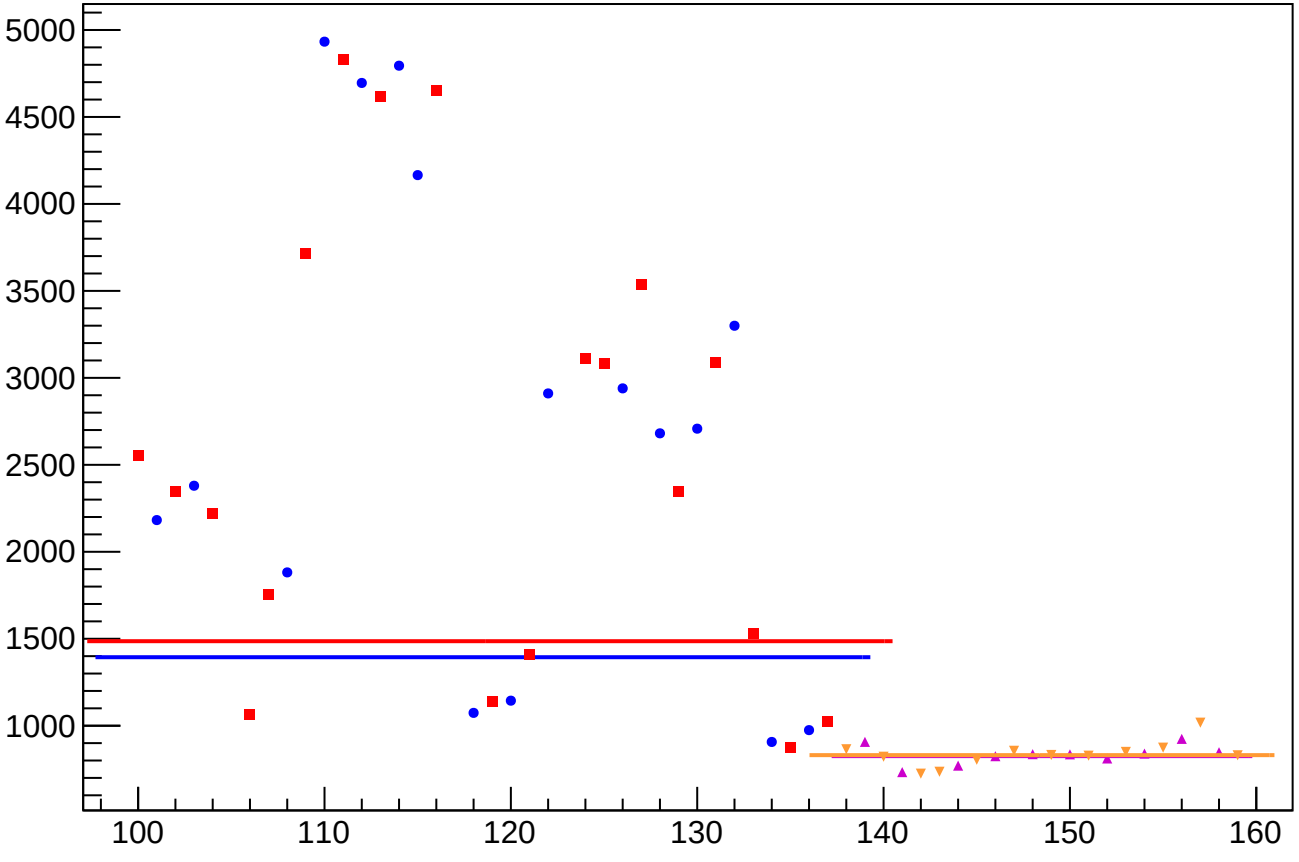
Left In: -0.084+/-0.280 χ^2/NDF:16.8/9

+ sign 0.515+/-0.246 χ^2/NDF: 24.2/27

All: 0.198+/-0.178 χ^2/NDF: 72.8/56

- sign -0.146+/-0.256 χ^2/NDF: 45.1/28

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

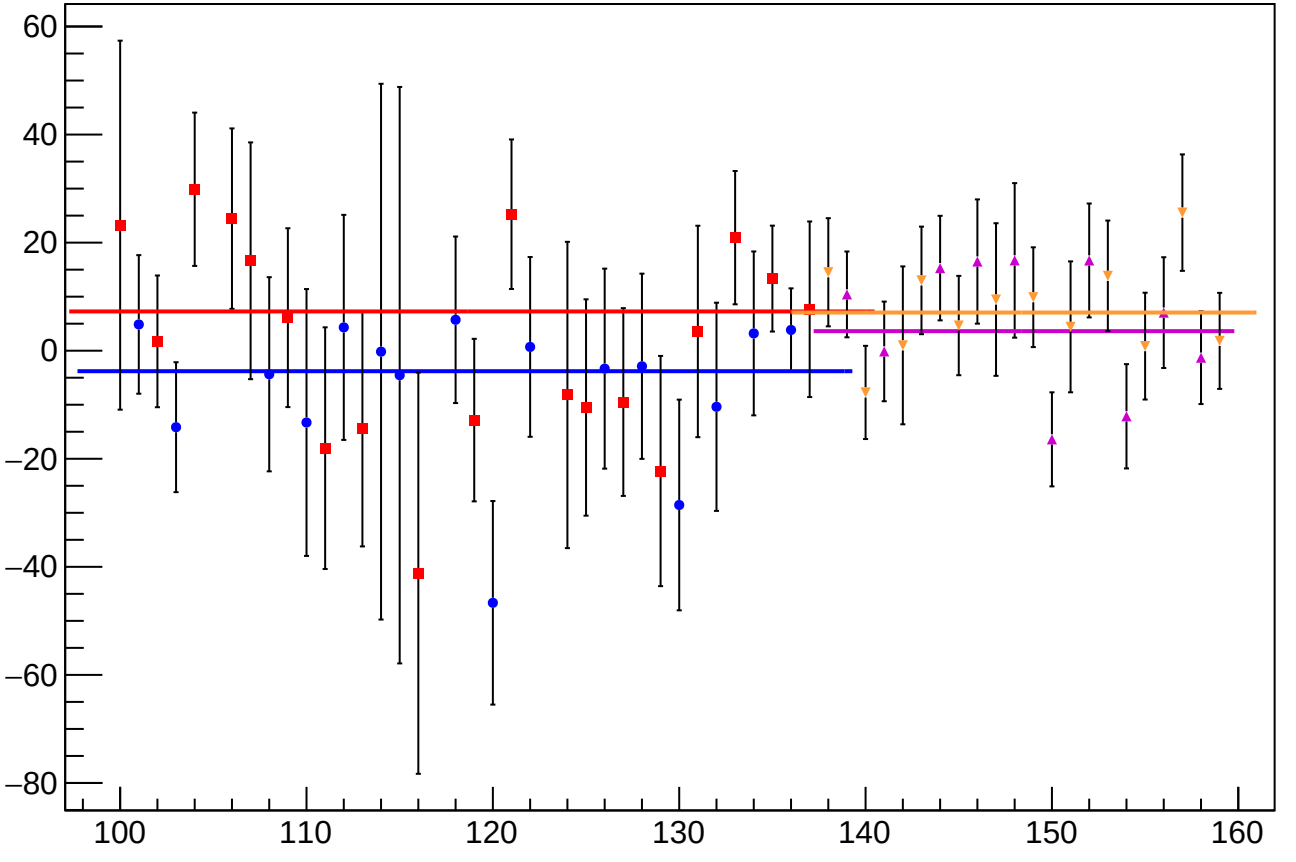
Left In: 825.243+/-0.198 χ^2/NDF:72135.9/9

+ sign 925.843+/-0.174 χ^2/NDF: 4957383.9/27

All: 929.444+/-0.126 χ^2/NDF: 10246745.5/56

- sign 933.343+/-0.181 χ^2/NDF: 5288472.0/28

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

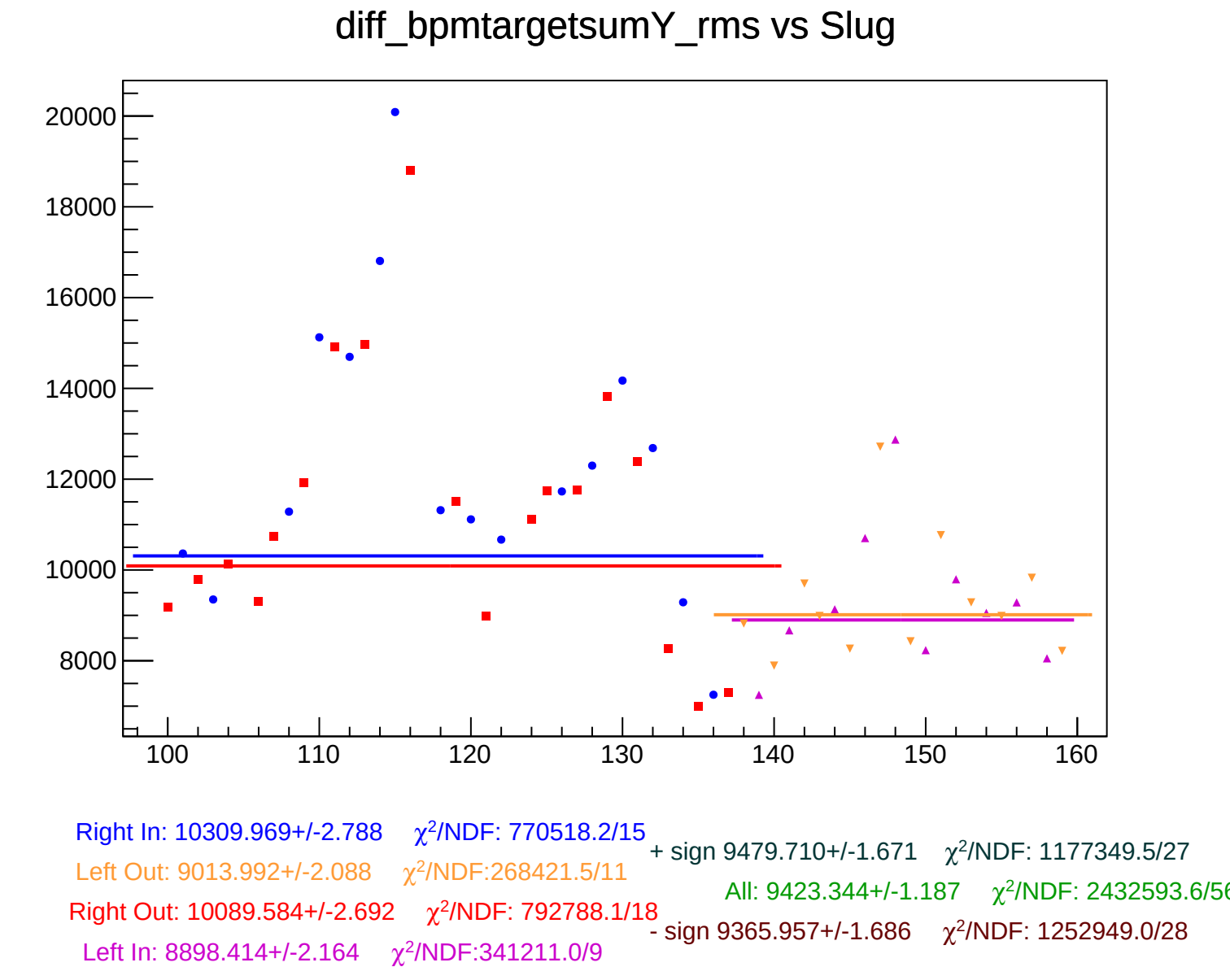
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 3.620+/-3.060 χ^2/NDF:14.4/9

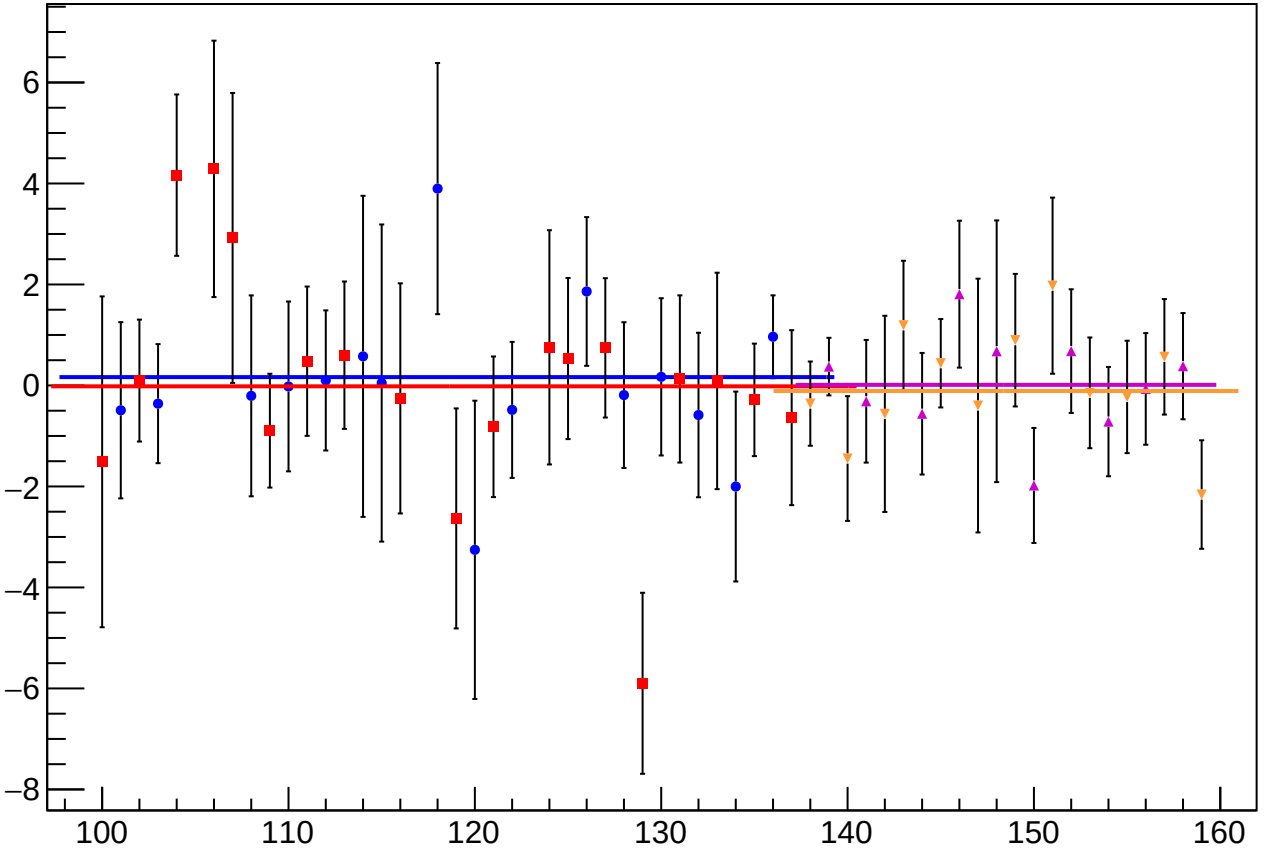
+ sign 3.162+/-2.364 χ^2/NDF: 23.3/27

All: 4.098+/-1.679 χ^2/NDF: 55.8/56

- sign 5.050+/-2.385 χ^2/NDF: 32.2/28


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: 8898.414+/-2.164 χ²/NDF:341211.0/9
+ sign 9479.710+/-1.671 χ²/NDF: 1177349.5/27
All: 9423.344+/-1.187 χ²/NDF: 2432593.6/56
- sign 9365.957+/-1.686 χ²/NDF: 1252949.0/28

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

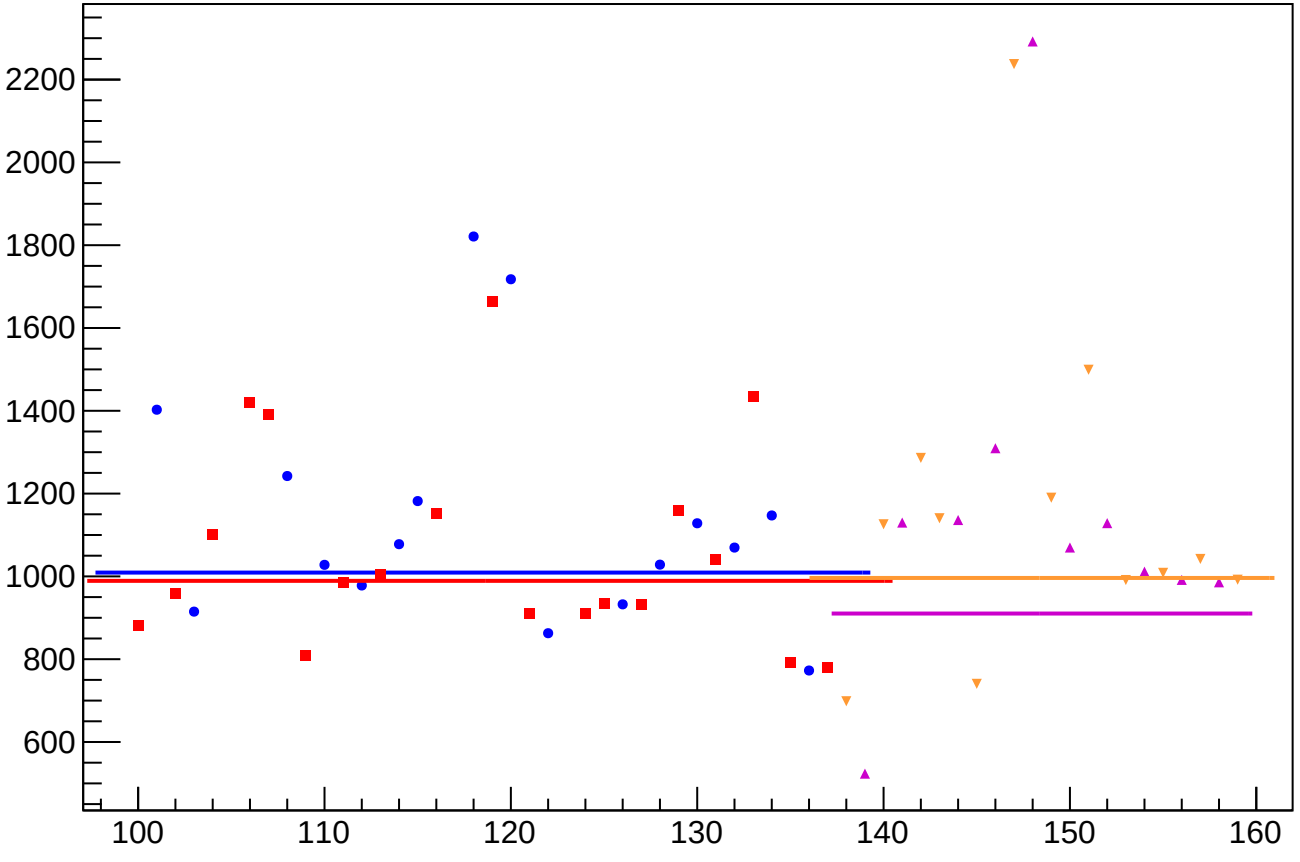
Left In: 0.012+/-0.332 χ^2/NDF:6.2/9

+ sign 0.011+/-0.256 χ^2/NDF: 17.2/27

All: 0.005+/-0.178 χ^2/NDF: 48.6/56

- sign -0.001+/-0.248 χ^2/NDF: 31.4/28

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

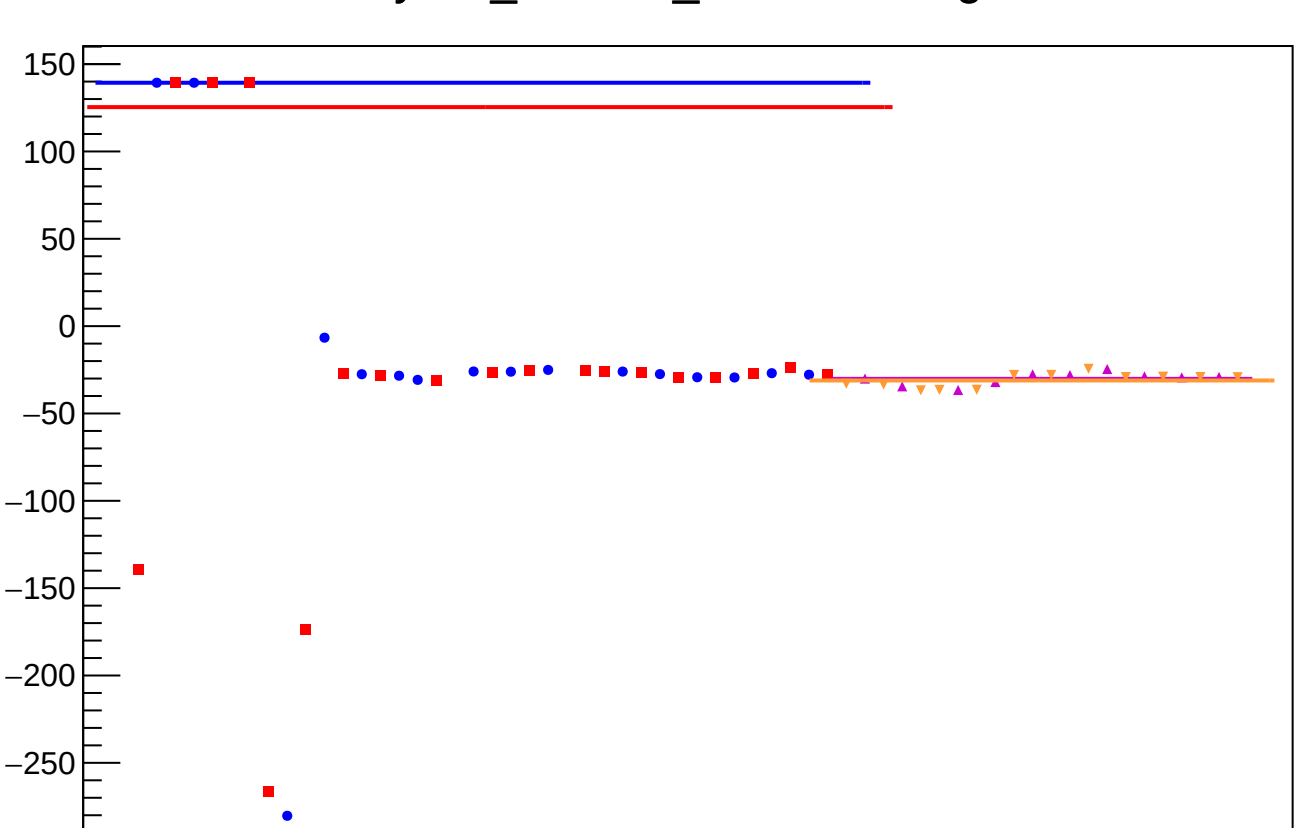
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

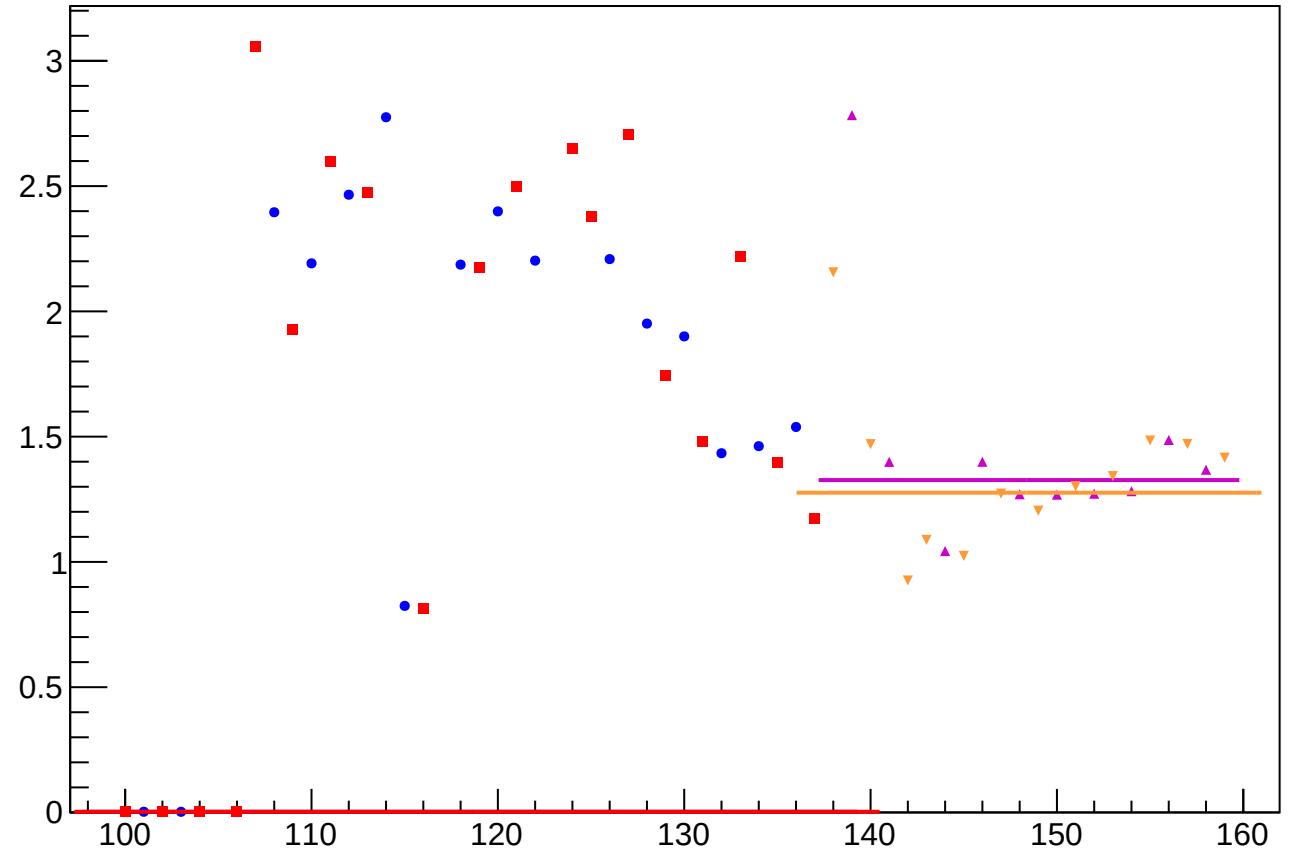
Left In: 910.278+/-0.235 χ^2/NDF:1916215.3/9

+ sign 1001.911+/-0.181 χ^2/NDF: 1919685.0/27

All: 972.704+/-0.126 χ^2/NDF: 4512480.2/56

- sign 945.256+/-0.175 χ^2/NDF: 2542118.2/28


yield_cav4bX_mean vs Slug
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -31.110+/-0.000 χ²/NDF:76740103.3/11
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -30.180+/-0.001 χ²/NDF:52261538.0/9
+ sign 139.332+/-0.000 χ²/NDF: 178974527408.8/2
All: 131.815+/-0.000 χ²/NDF: 793227747132
- sign 125.389+/-0.000 χ²/NDF: 774267406704798



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.276+/-0.000 χ^2/NDF:504499.1/11

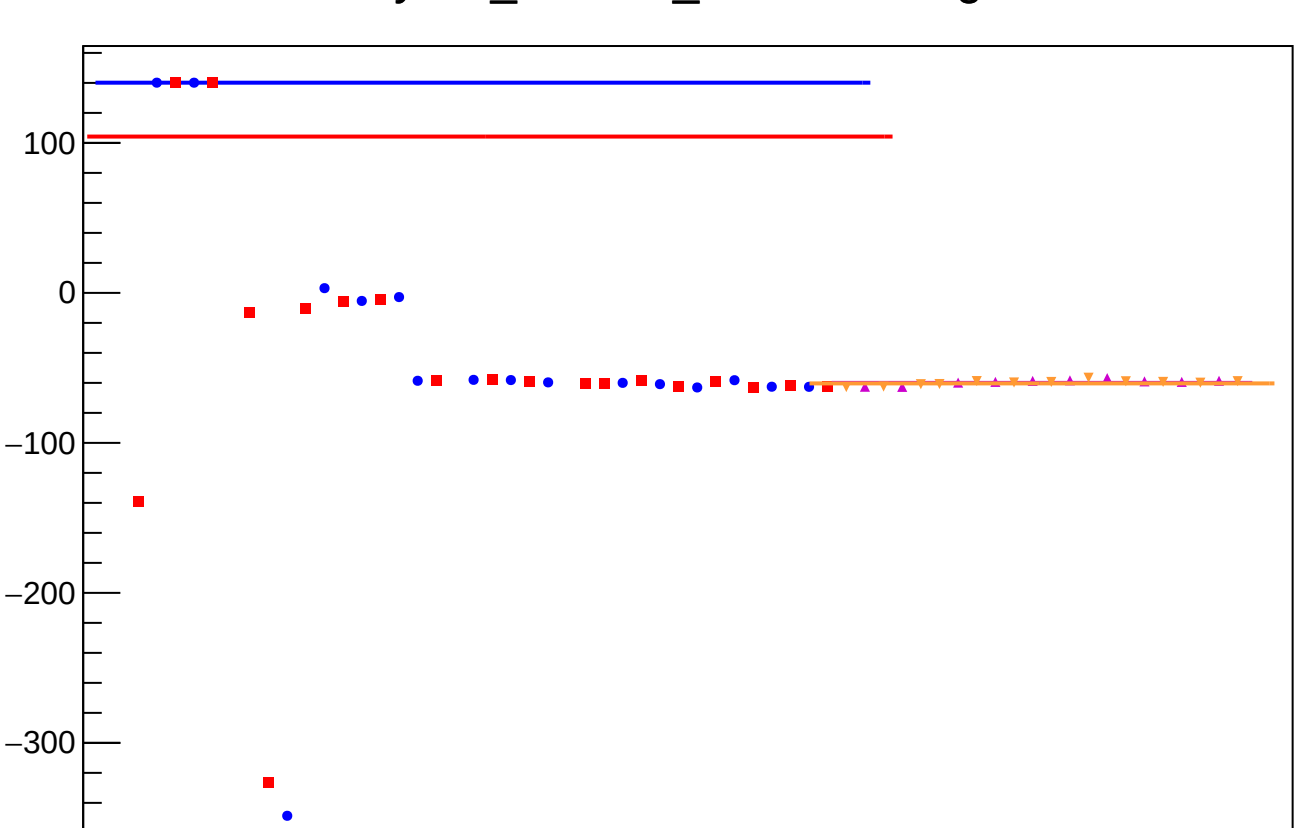
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.327+/-0.000 χ^2/NDF:583867.8/9

+ sign 0.003+/-0.000 χ^2/NDF: 24788920.7/27

All: 0.003+/-0.000 χ^2/NDF: 48758981.2/56

- sign 0.003+/-0.000 χ^2/NDF: 23969774.5/28



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

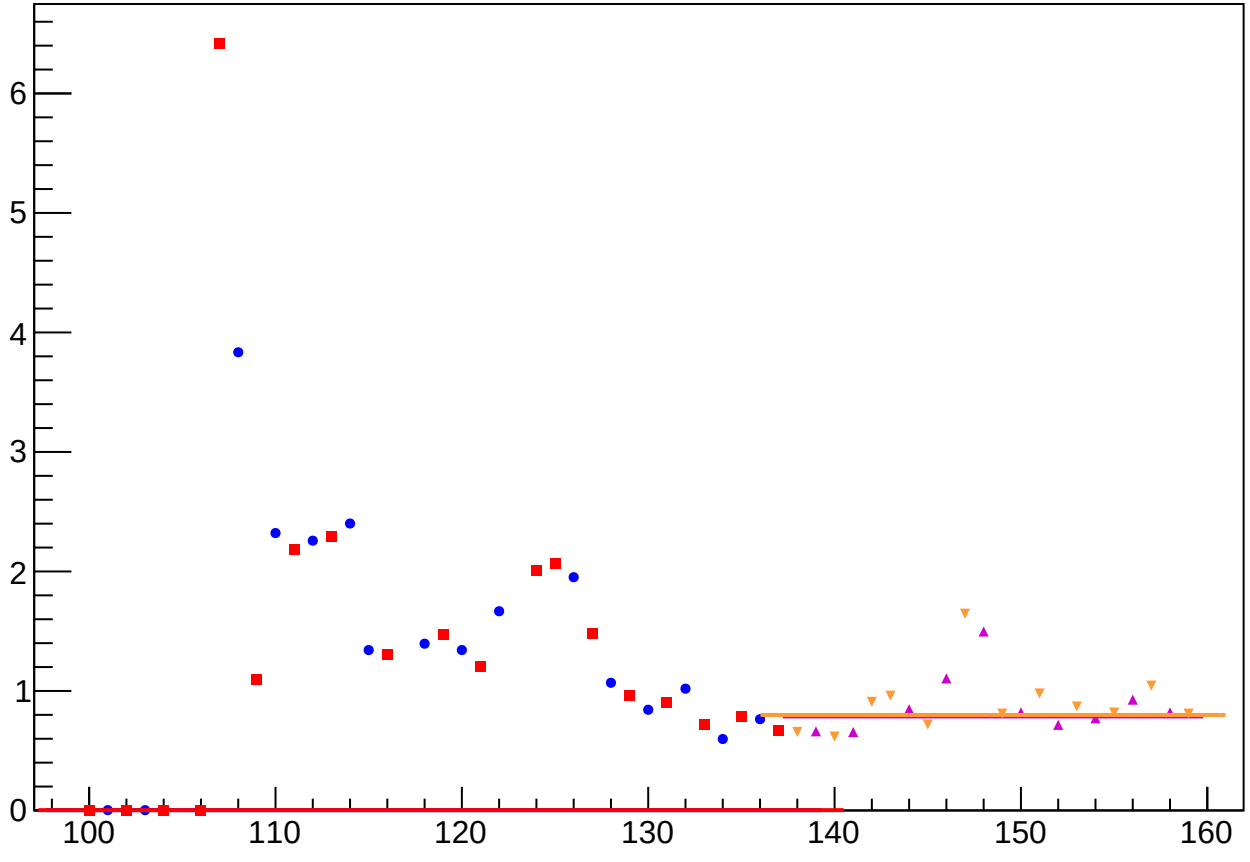
Left In: -60.001+/-0.000 χ^2/NDF:47425766.3/9

+ sign 140.131+/-0.000 χ^2/NDF: 629327273174.0/2

All: 120.821+/-0.000 χ^2/NDF: 13816027165

- sign 104.216+/-0.000 χ^2/NDF: 125768739129685

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

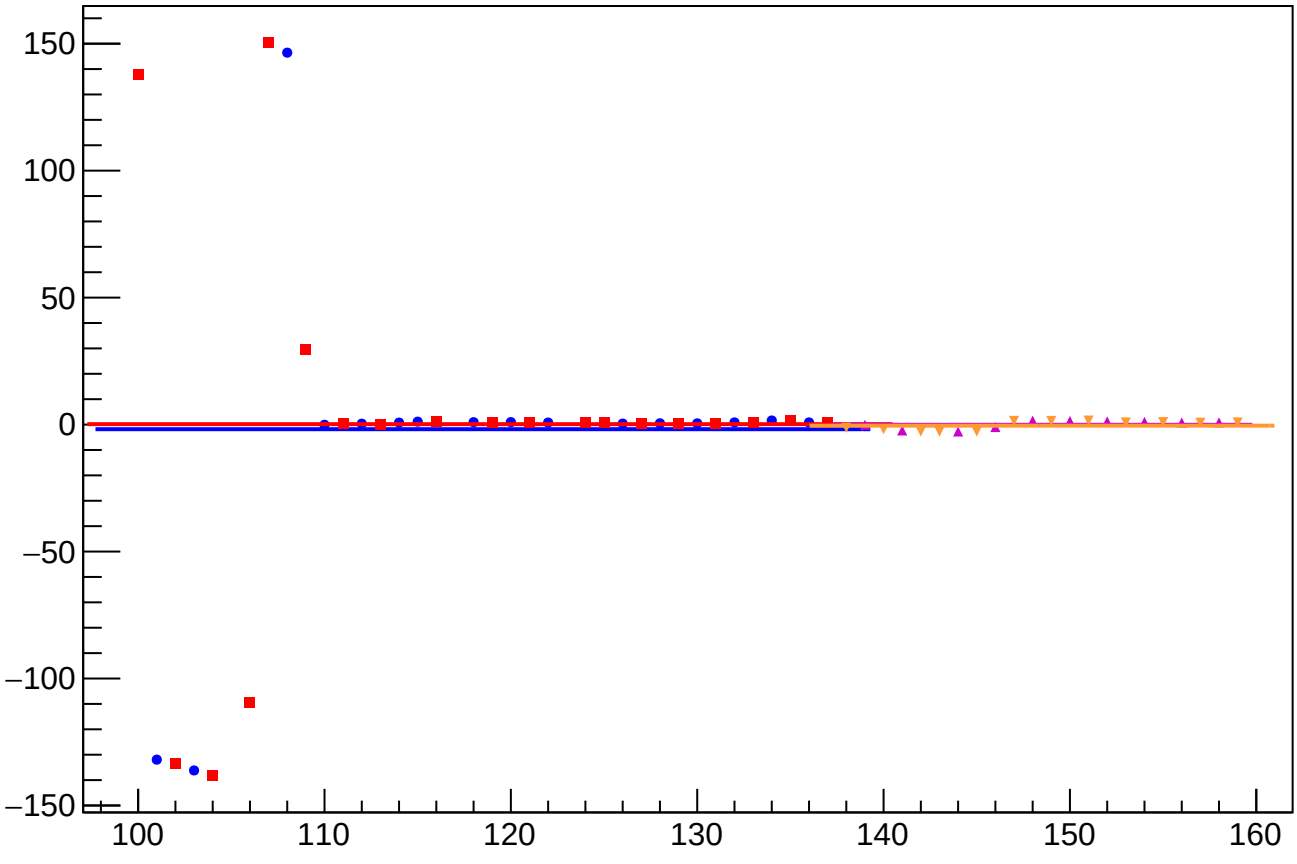
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.787+/-0.000 χ^2/NDF:599593.4/9

+ sign 0.003+/-0.000 χ^2/NDF: 25285045.8/27

All: 0.003+/-0.000 χ^2/NDF: 49163696.8/56

- sign 0.003+/-0.000 χ^2/NDF: 23878314.0/28



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

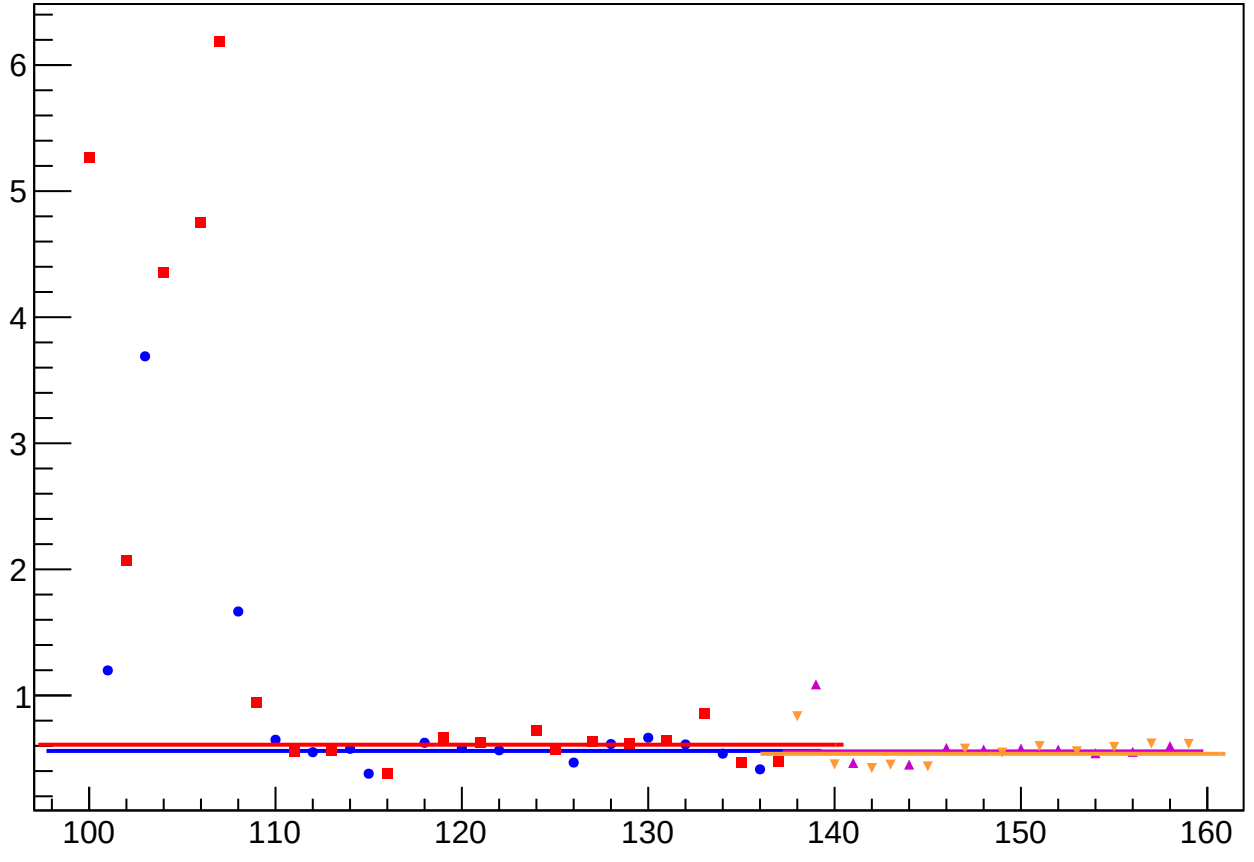
Left In: -0.082+/-0.000 χ^2/NDF:59531170.9/9

+ sign -0.965+/-0.000 χ^2/NDF: 9989168910.1/27

All: -0.515+/-0.000 χ^2/NDF: 13678690343.1/

- sign 0.011+/-0.000 χ^2/NDF: 3671282552.2/28

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

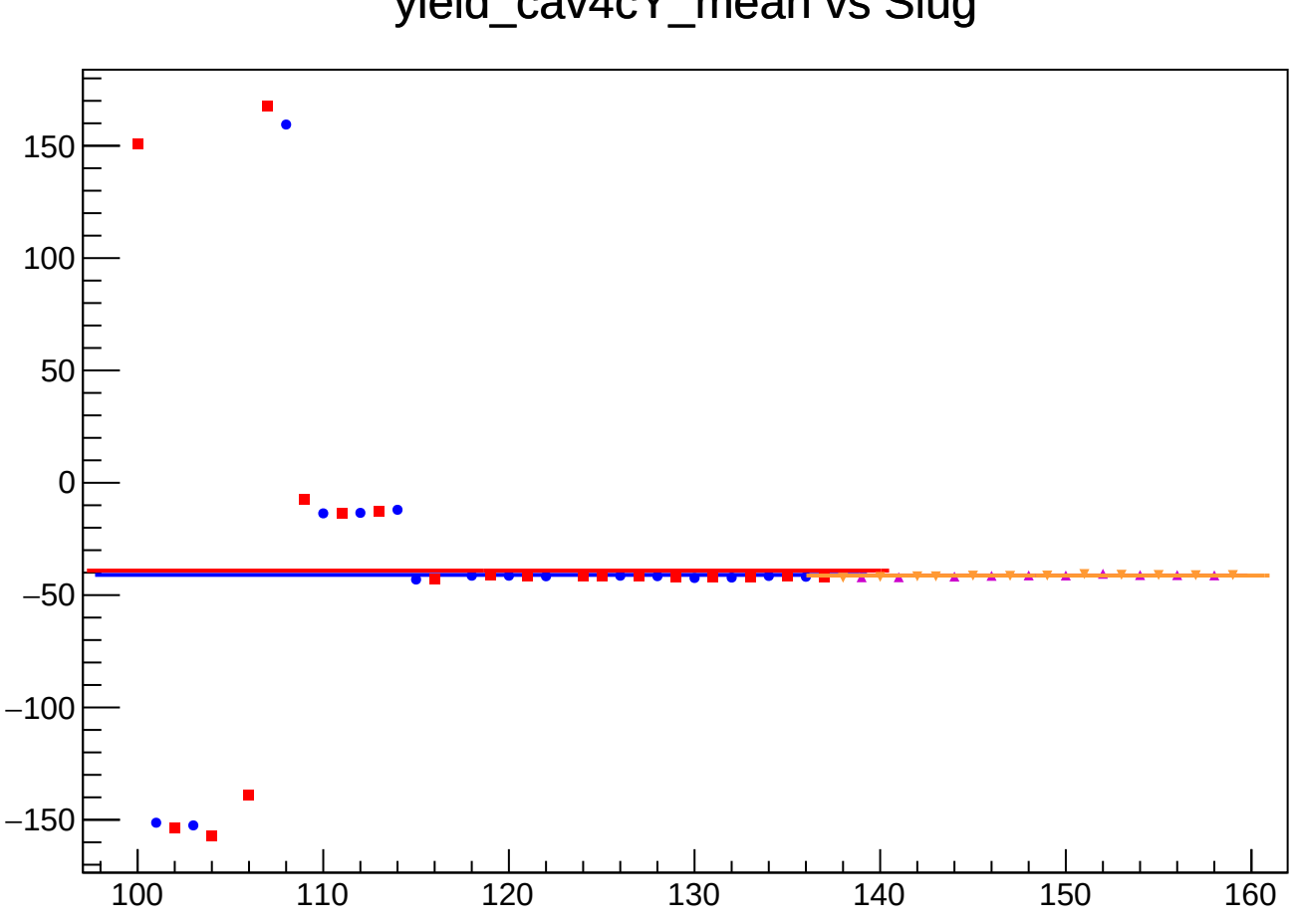
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.556+/-0.000 χ^2/NDF:535005.3/9

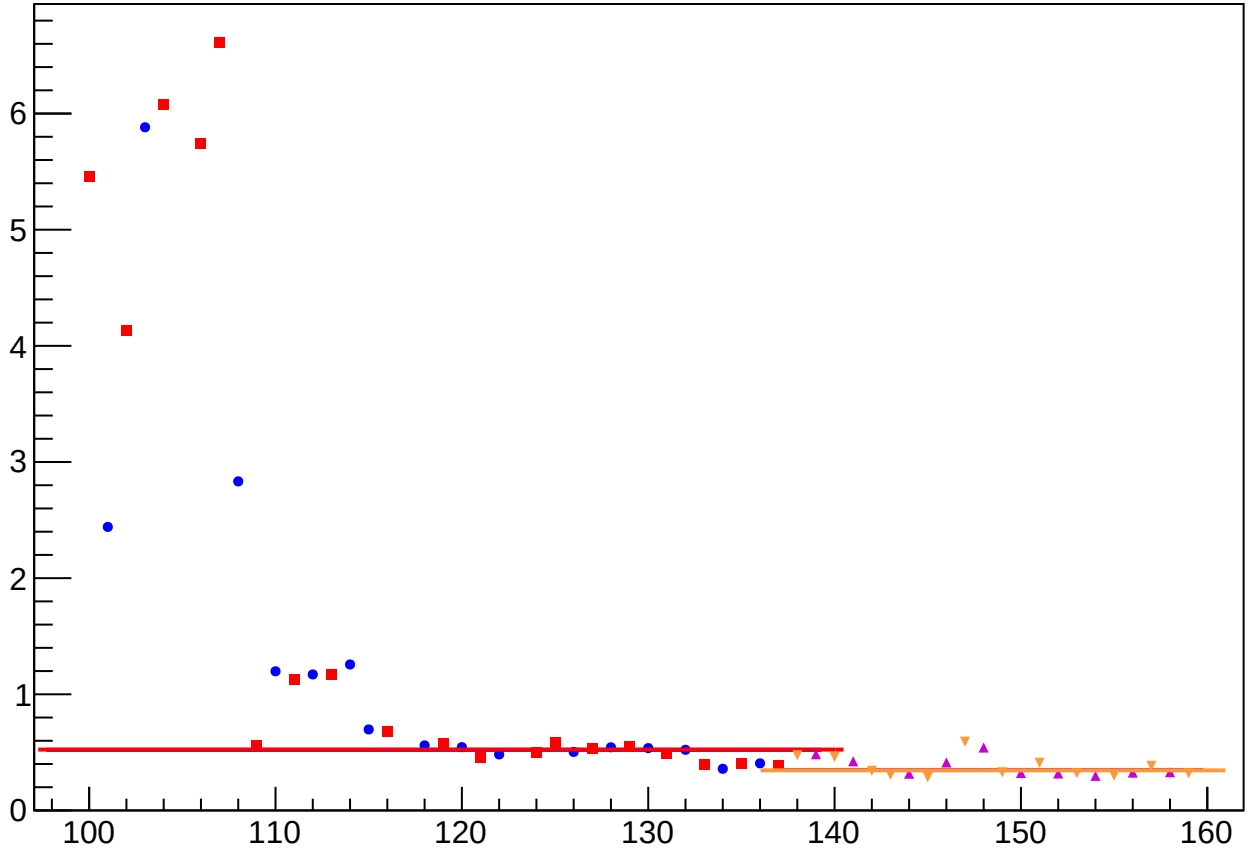
+ sign 0.546+/-0.000 χ^2/NDF: 2043927.2/27

All: 0.560+/-0.000 χ^2/NDF: 5137357.5/56

- sign 0.576+/-0.000 χ^2/NDF: 3058144.7/28


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: -41.256+/-0.000 χ²/NDF:12016763.8/9
+ sign -41.234+/-0.000 χ²/NDF: 3460687416.6/27
All: -41.024+/-0.000 χ²/NDF: 6026606726.2/
- sign -40.793+/-0.000 χ²/NDF: 2557446233.2/28

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

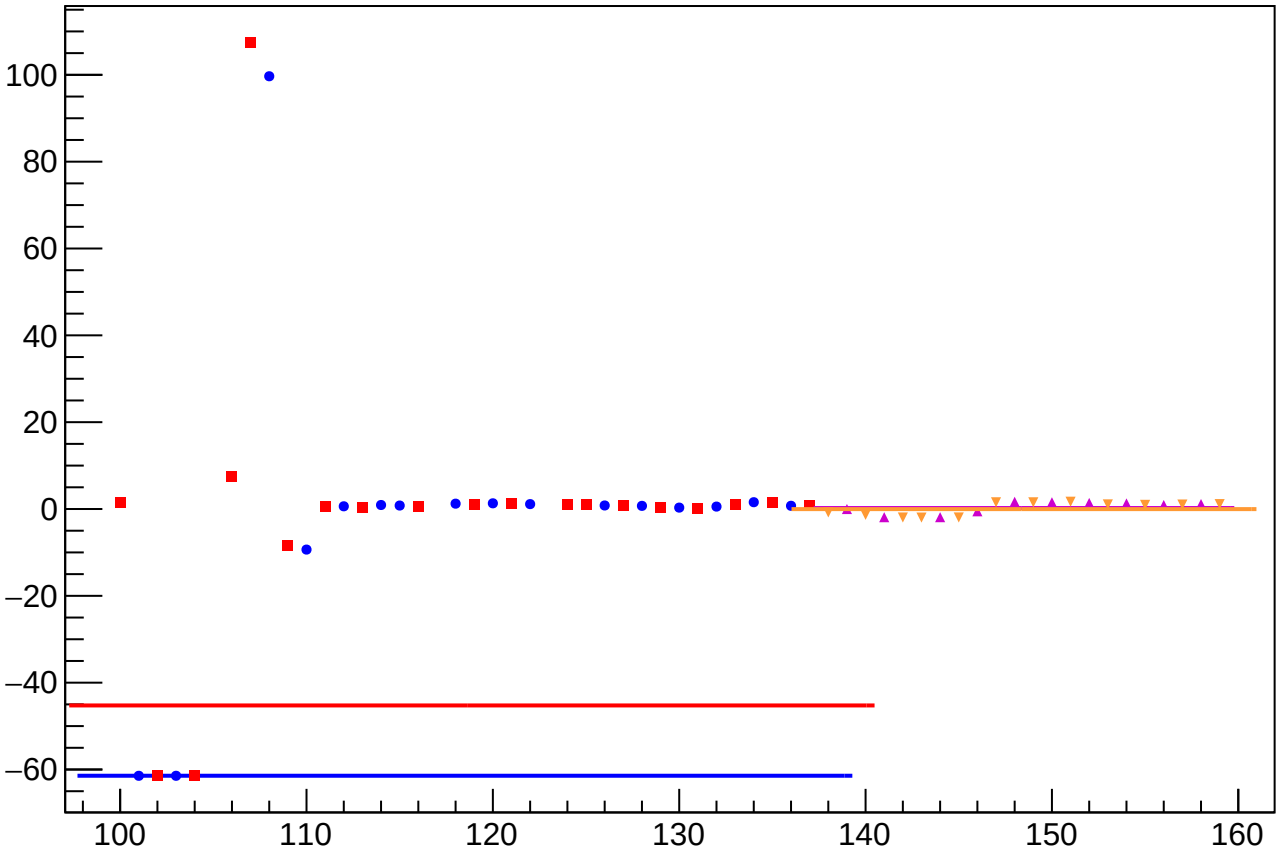
Left In: 0.349+/-0.000 χ^2/NDF:515341.1/9

+ sign 0.381+/-0.000 χ^2/NDF: 4543690.9/27

All: 0.384+/-0.000 χ^2/NDF: 9189441.6/56

- sign 0.386+/-0.000 χ^2/NDF: 4643356.8/28

yield_cav4dX_mean vs Slug



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

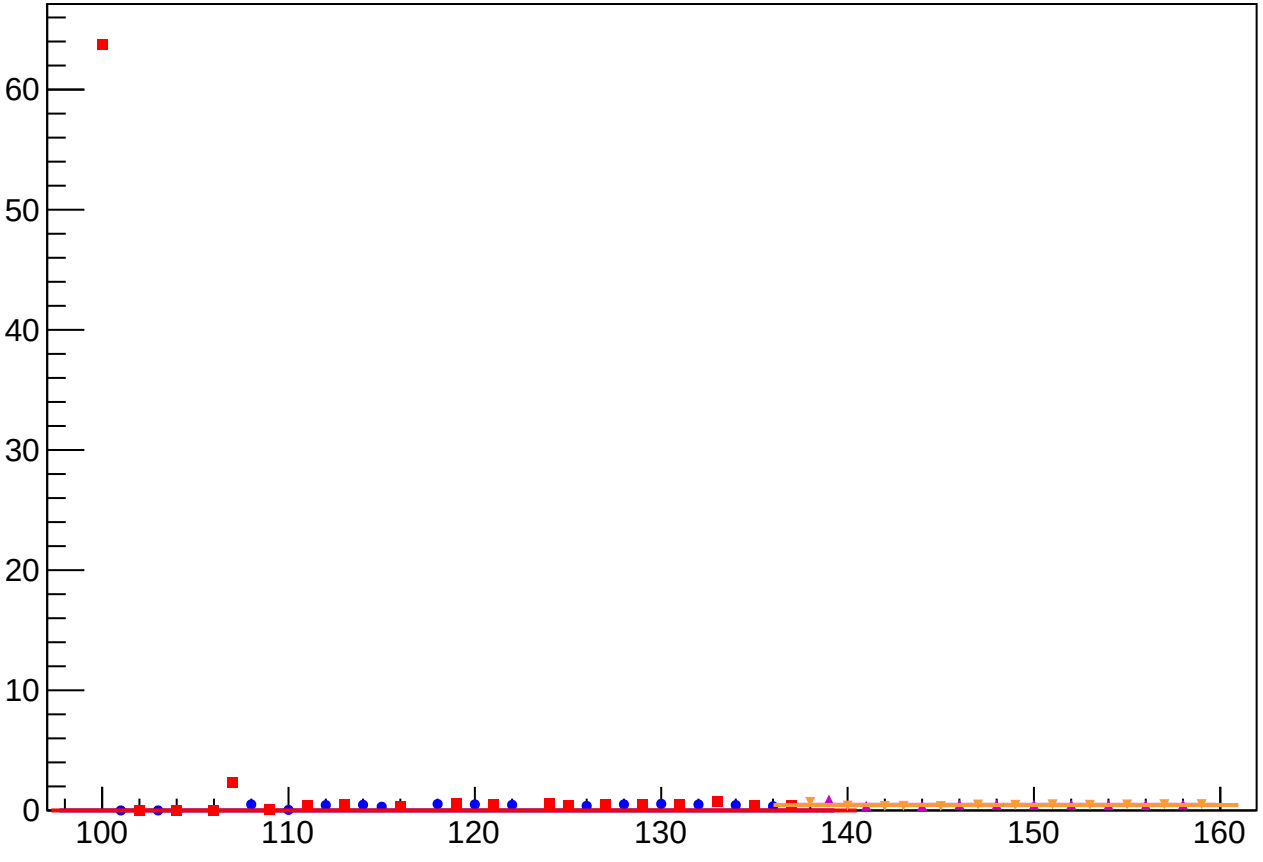
Left In: 0.227+/-0.000 χ^2/NDF:63975852.0/9

+ sign -61.430+/-0.000 χ^2/NDF: 408637881542.3/2

All: -52.745+/-0.000 χ^2/NDF: 40930984639

- sign -45.242+/-0.000 χ^2/NDF: 357935396665288.

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

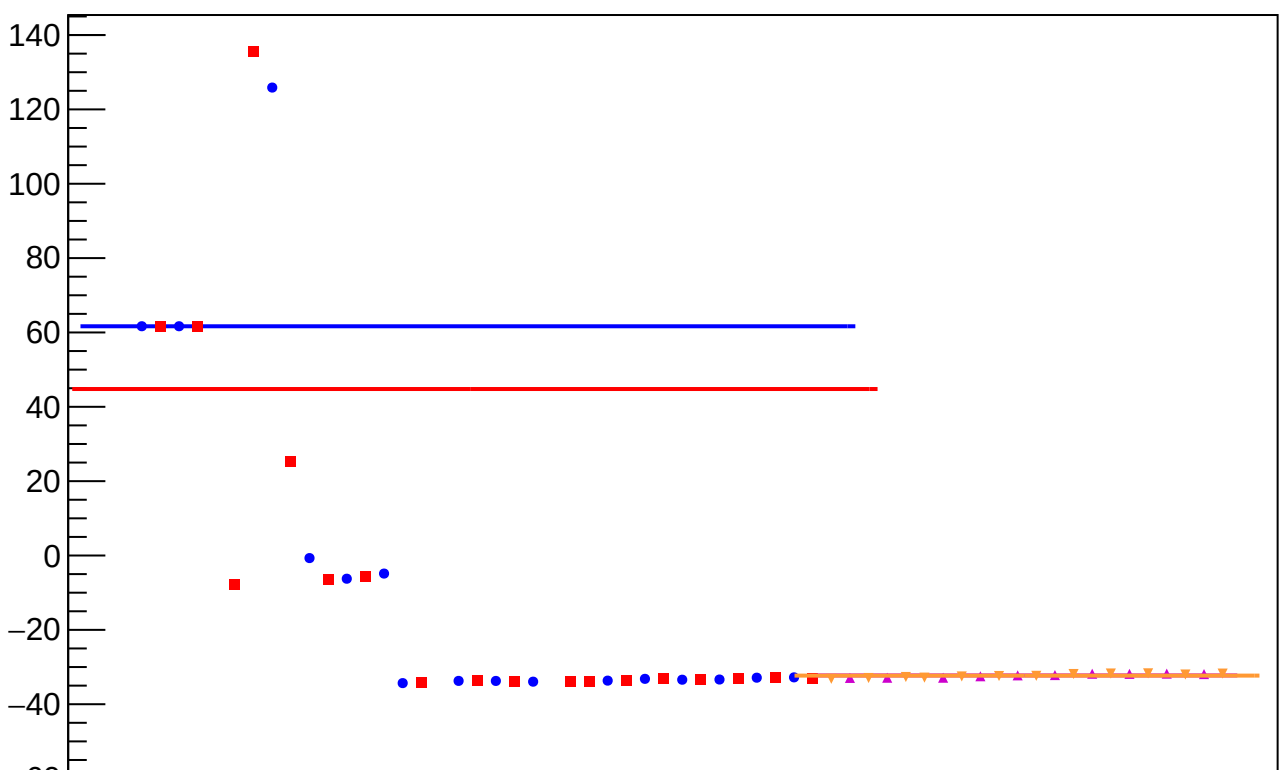
Left In: 0.467+/-0.000 χ^2/NDF:530823.0/9

+ sign 0.002+/-0.000 χ^2/NDF: 24228634.7/27

All: 0.002+/-0.000 χ^2/NDF: 47726959.8/56

- sign 0.001+/-0.000 χ^2/NDF: 23498267.2/28

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

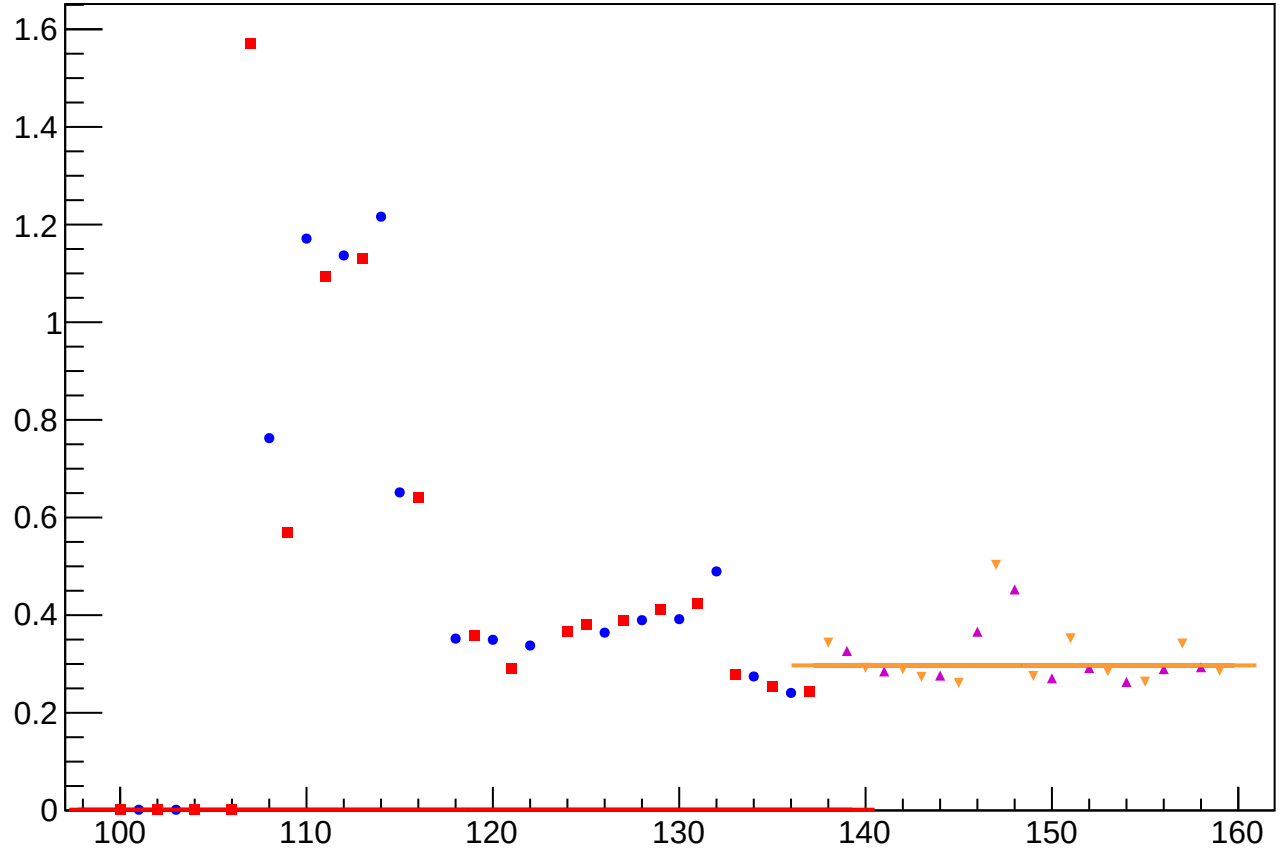
Left In: -32.257+/-0.000 χ^2/NDF:19913304.9/9

+ sign 61.634+/-0.000 χ^2/NDF: 1260402680418.2/2

All: 52.666+/-0.000 χ^2/NDF: 418970441752

- sign 44.767+/-0.000 χ^2/NDF: 366648751047774.6

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

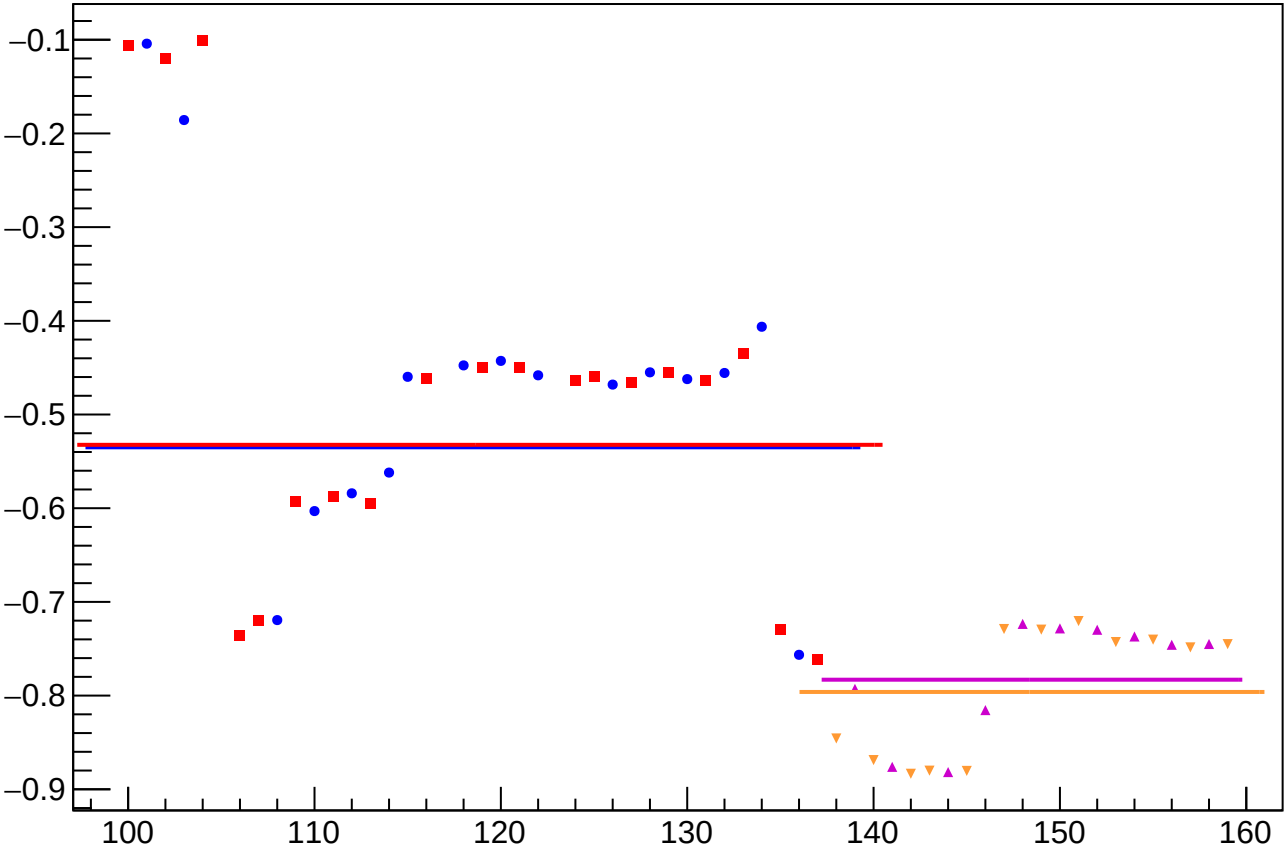
Left In: 0.297+/-0.000 χ^2/NDF:319023.1/9

\+ sign 0.002+/-0.000 χ^2/NDF: 29101545.3/27

All: 0.002+/-0.000 χ^2/NDF: 56259978.8/56

\- sign 0.002+/-0.000 χ^2/NDF: 27158431.4/28

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

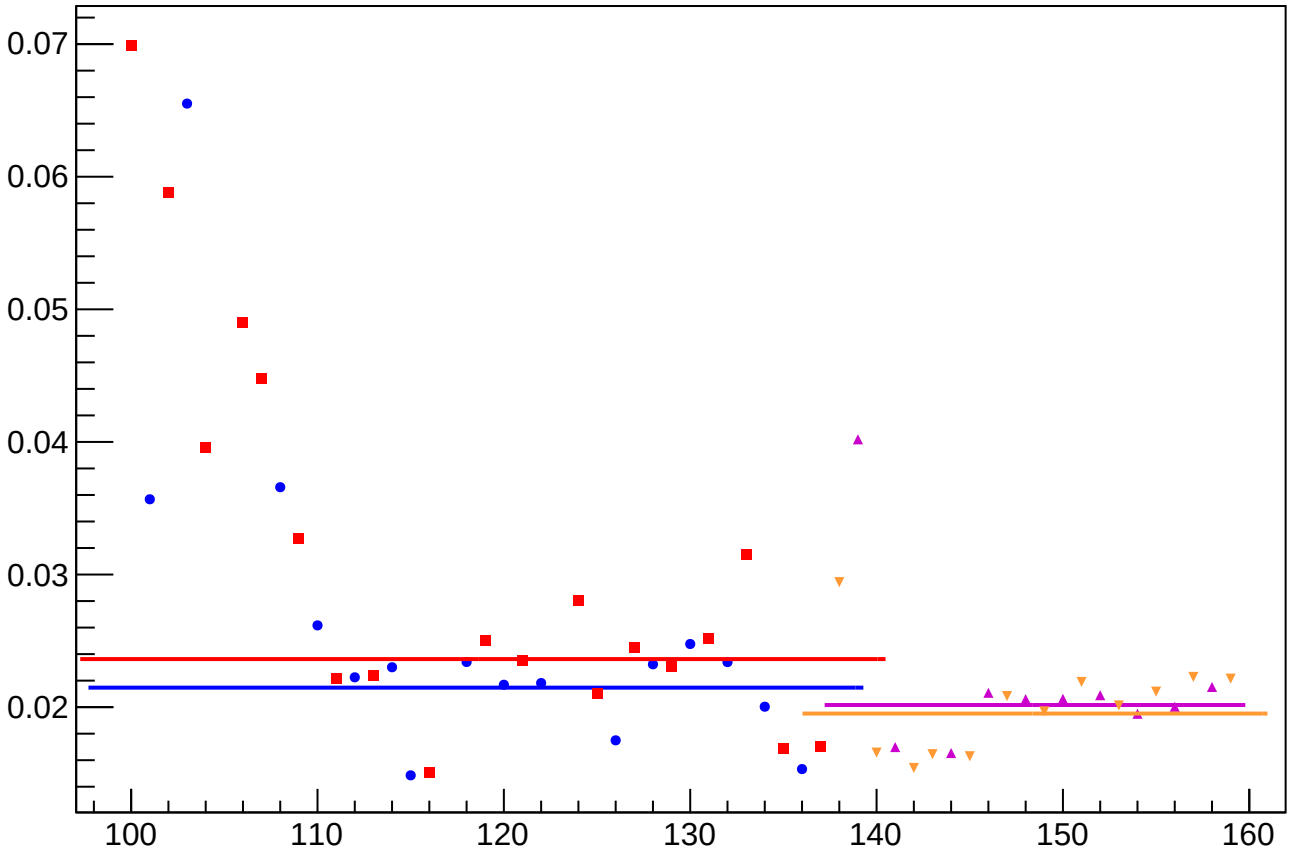
Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.783+/-0.000 χ^2/NDF:67475030.2/9

+ sign -0.698+/-0.000 χ^2/NDF: 887932038.6/27

All: -0.694+/-0.000 χ^2/NDF: 1564353721.8/5

- sign -0.690+/-0.000 χ^2/NDF: 675425192.8/28



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

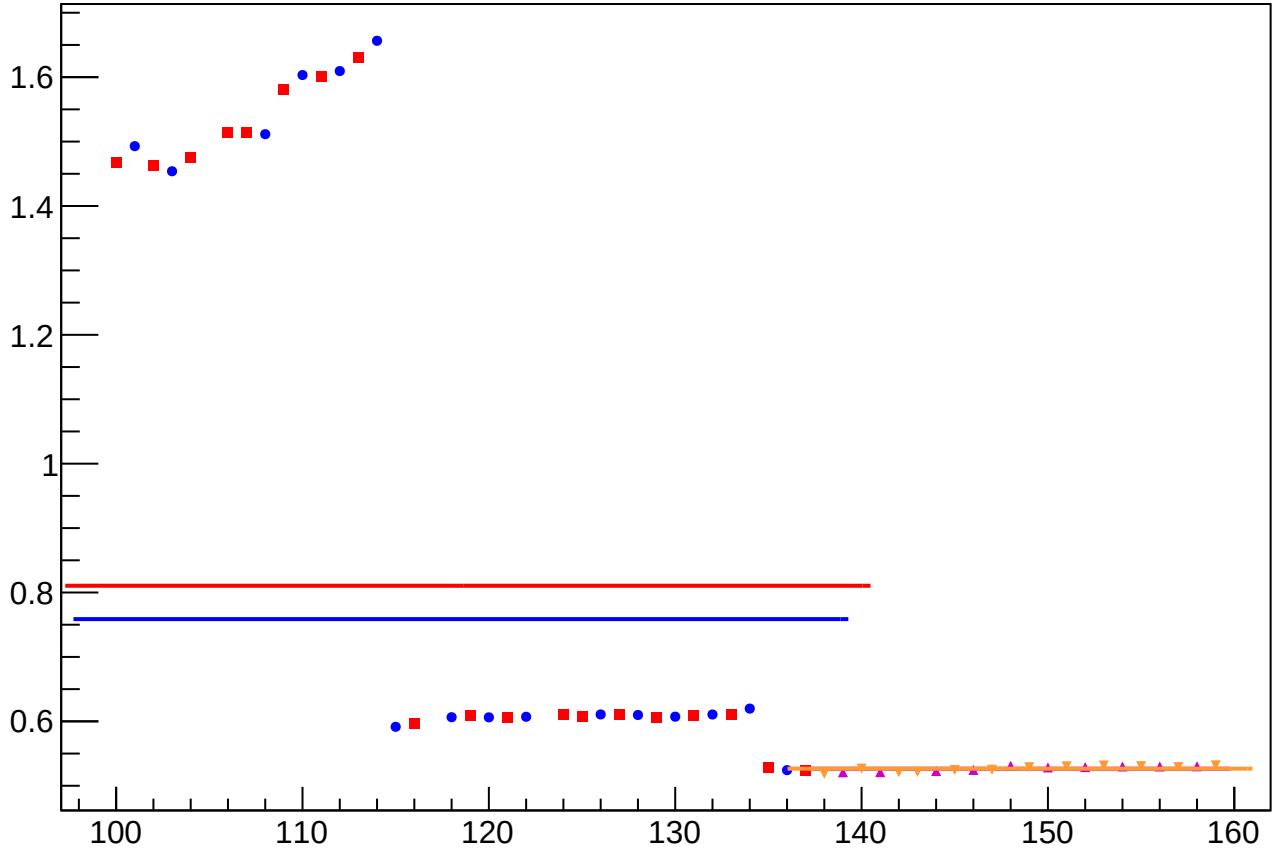
Left In: 0.020+/-0.000 χ^2/NDF:536663.4/9

+ sign 0.020+/-0.000 χ^2/NDF: 1592011.4/27

All: 0.021+/-0.000 χ^2/NDF: 3597723.5/56

- sign 0.021+/-0.000 χ^2/NDF: 1964301.3/28

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

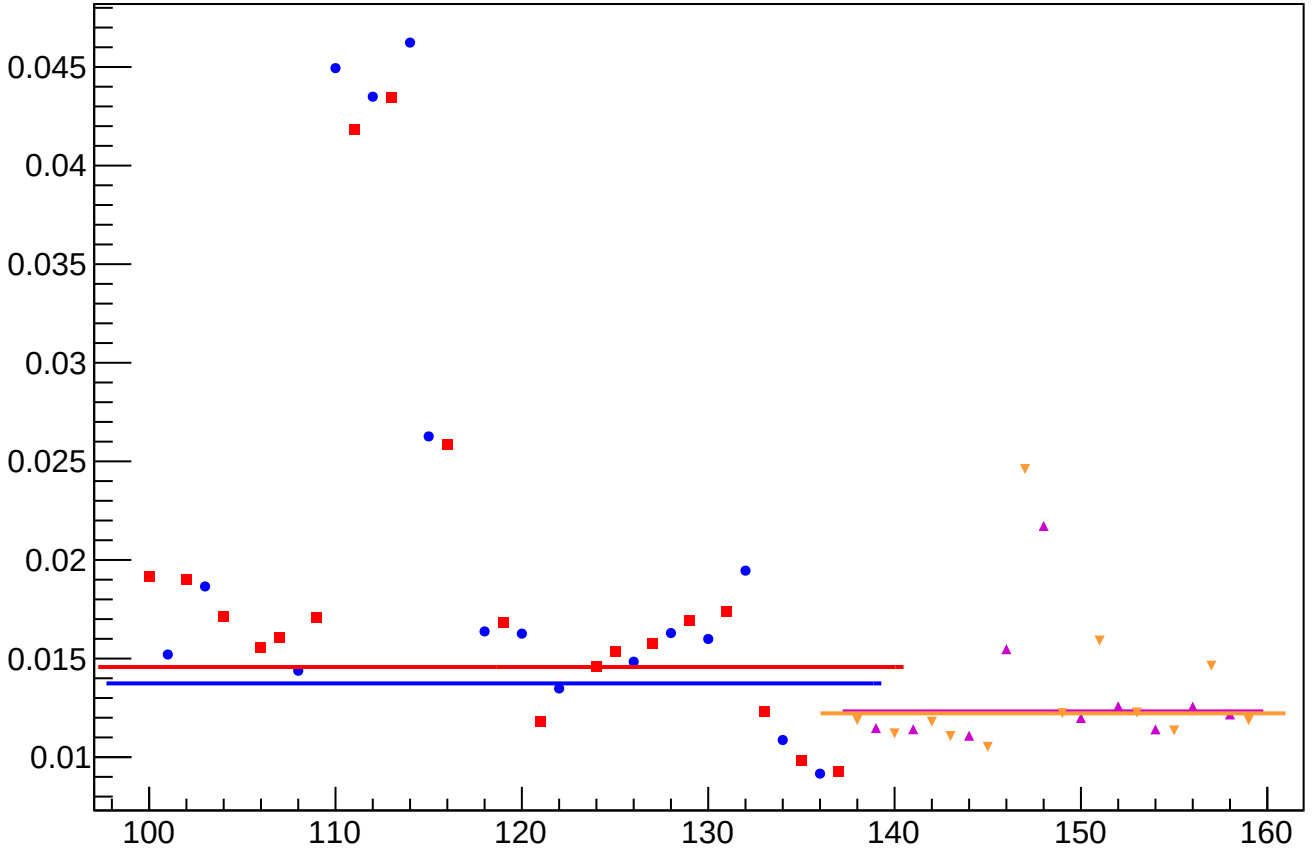
Left In: 0.526+/-0.000 χ^2/NDF:795884.6/9

+ sign 0.607+/-0.000 χ^2/NDF: 5415294956.1/27

All: 0.616+/-0.000 χ^2/NDF: 11736172532.8/5

- sign 0.627+/-0.000 χ^2/NDF: 6304265333.2/28

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

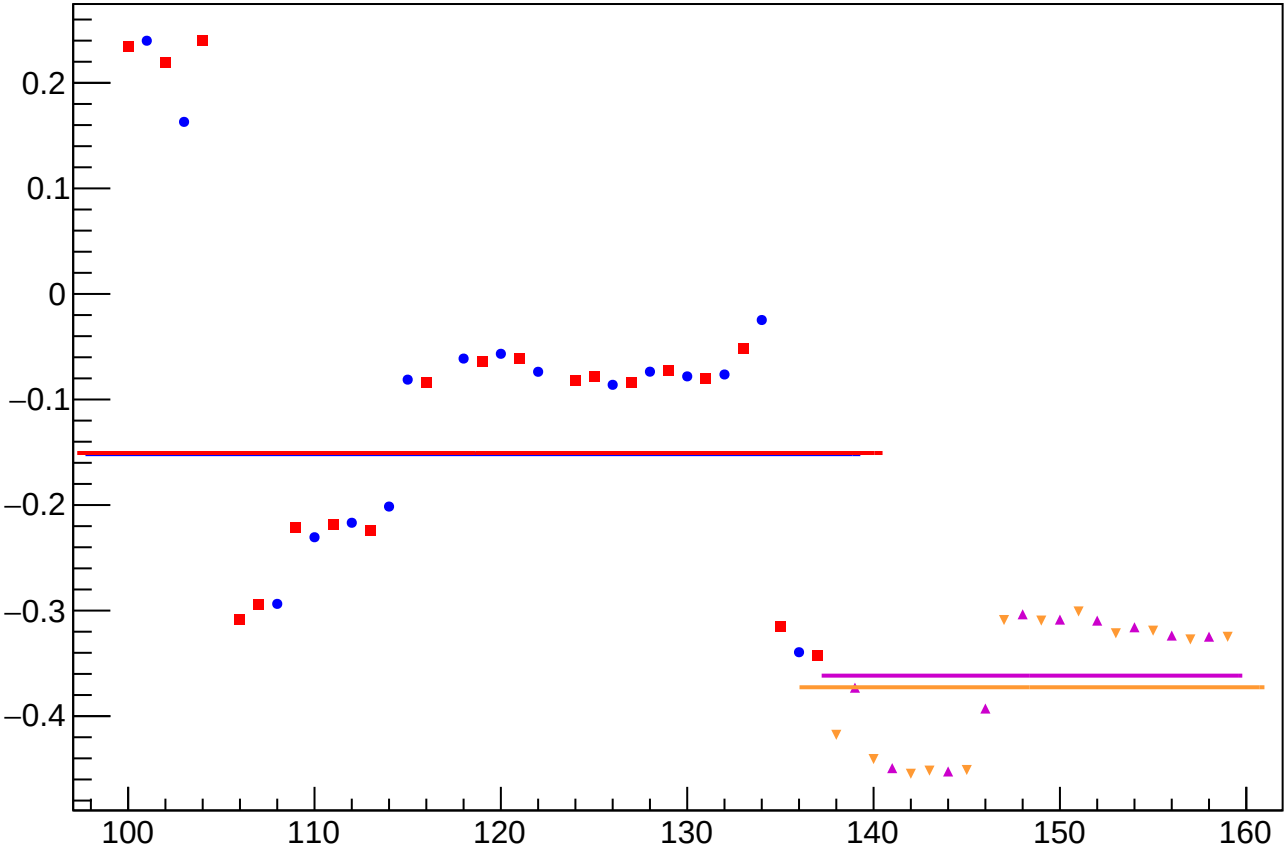
Left In: 0.012+/-0.000 χ^2/NDF:416225.4/9

+ sign 0.013+/-0.000 χ^2/NDF: 2358148.9/27

All: 0.013+/-0.000 χ^2/NDF: 4433723.3/56

- sign 0.013+/-0.000 χ^2/NDF: 2063853.1/28

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

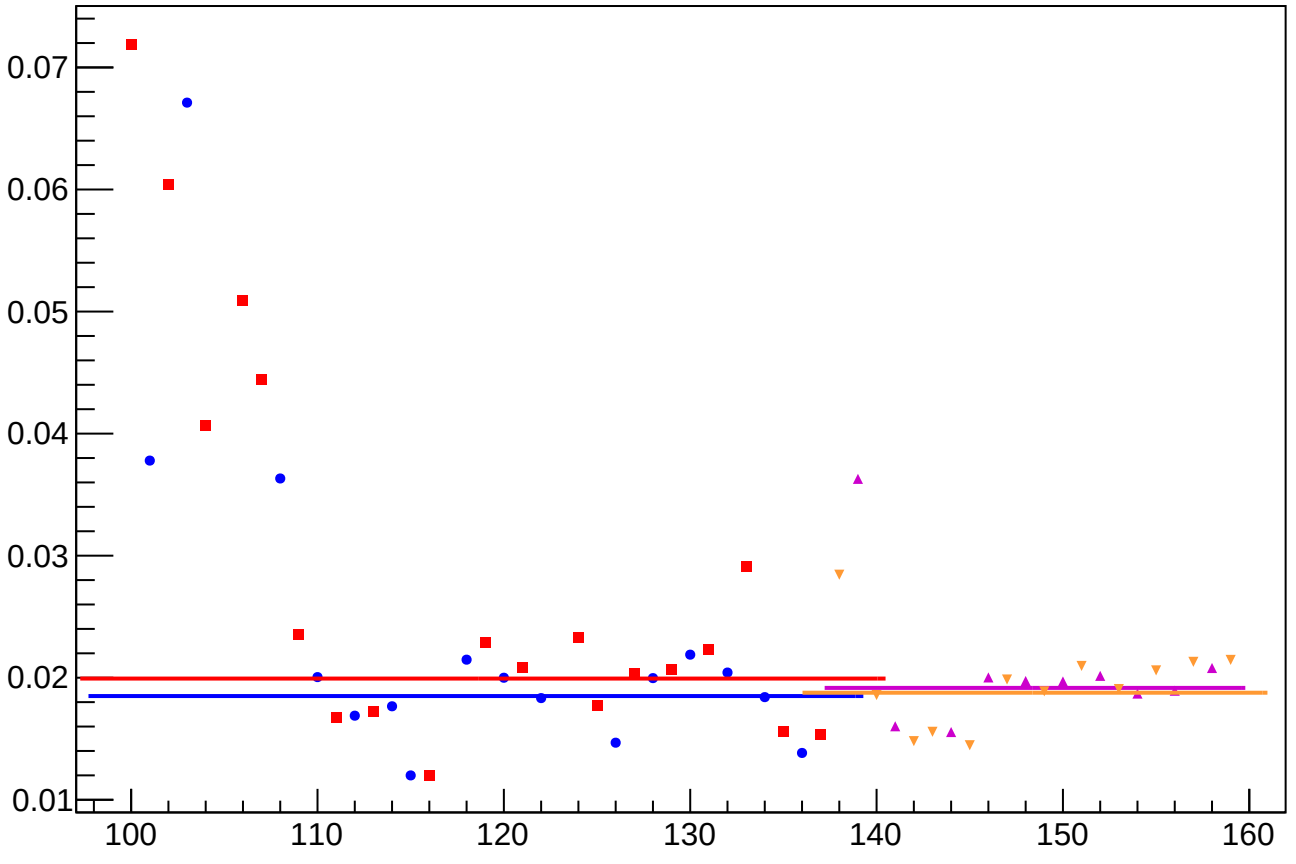
Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.362+/-0.000 χ^2/NDF:68733707.9/9

+ sign -0.279+/-0.000 χ^2/NDF: 801625722.7/27

All: -0.276+/-0.000 χ^2/NDF: 1422855370.2/5

- sign -0.273+/-0.000 χ^2/NDF: 620432077.1/28



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:421838.5/11

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

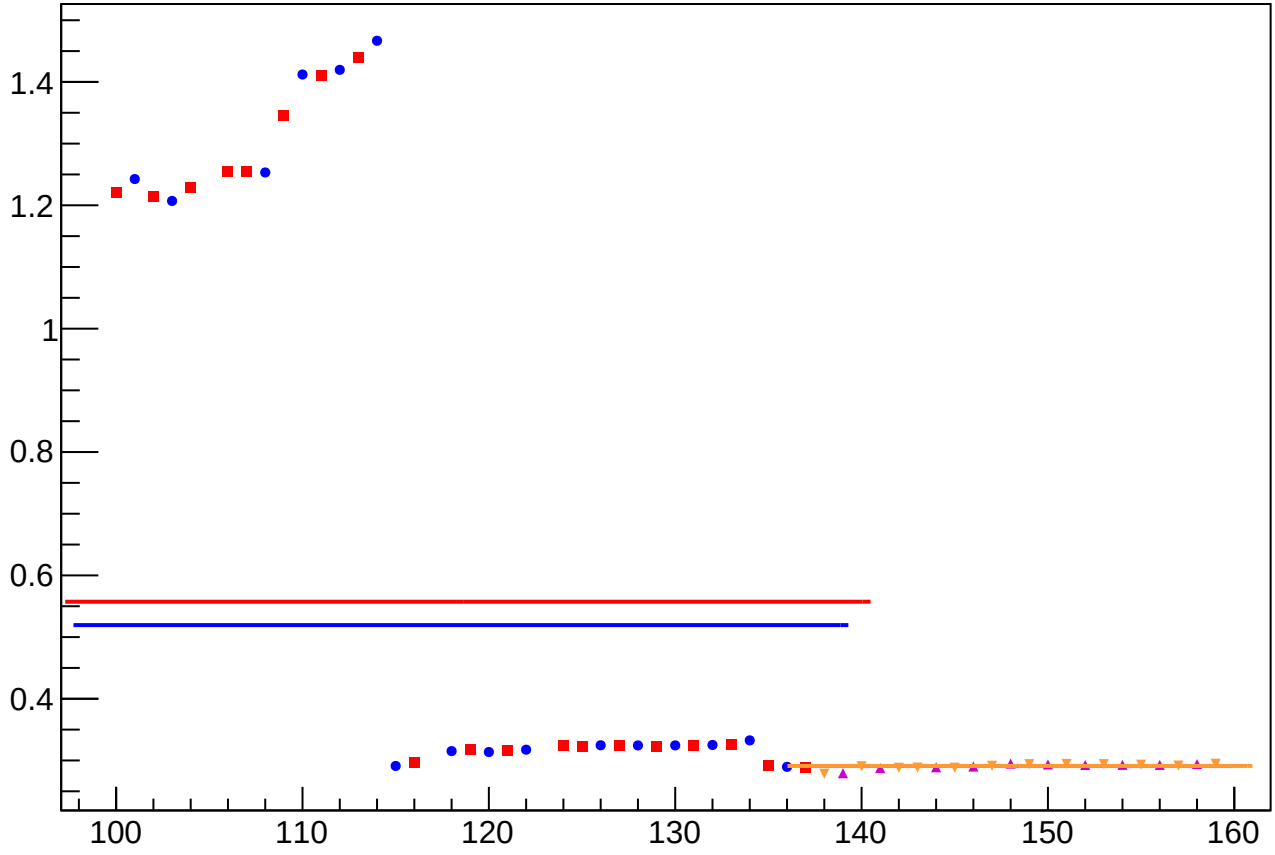
Left In: 0.019+/-0.000 χ^2/NDF:512927.0/9

+ sign 0.019+/-0.000 χ^2/NDF: 1795532.9/27

All: 0.019+/-0.000 χ^2/NDF: 3889119.8/56

- sign 0.019+/-0.000 χ^2/NDF: 2069744.5/28

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

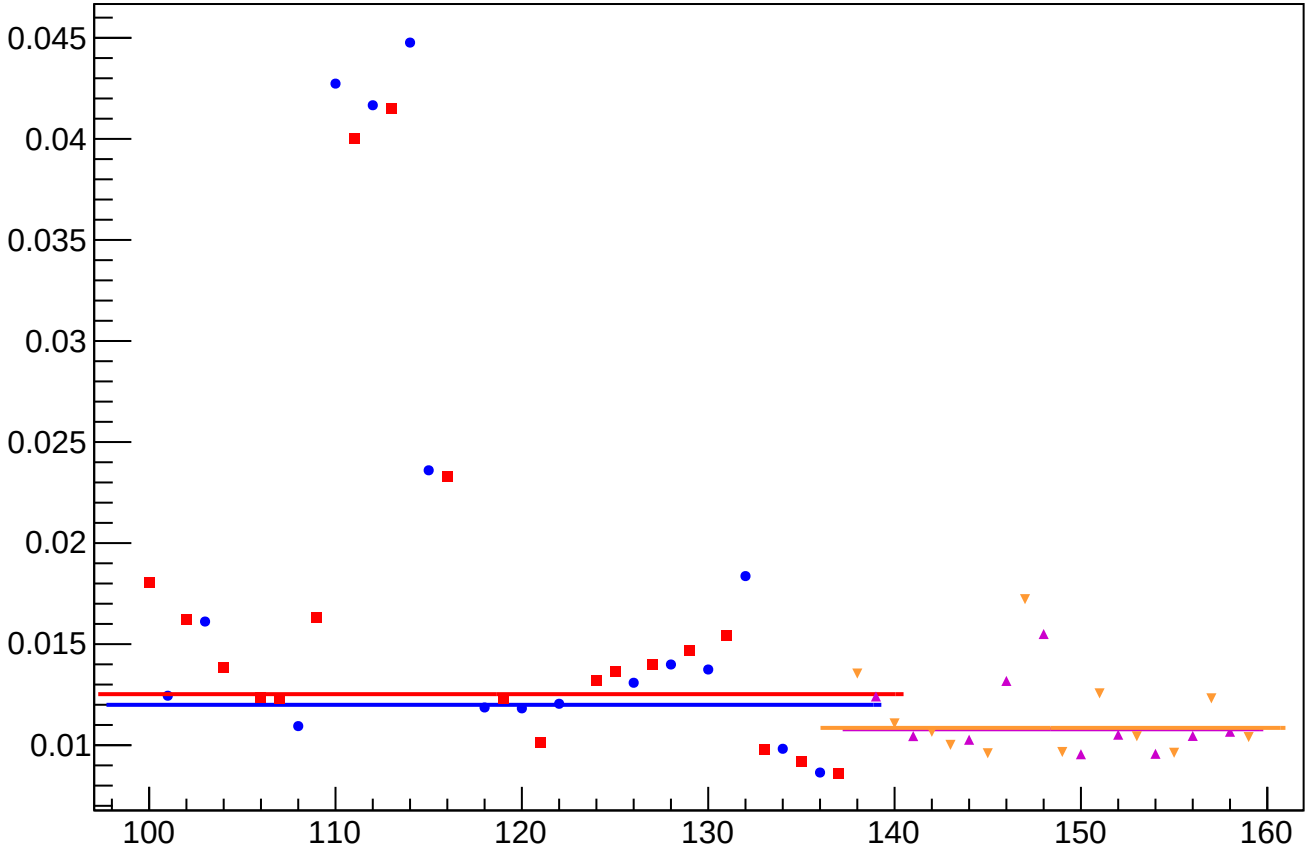
Left In: 0.291+/-0.000 χ^2/NDF:1116844.7/9

+ sign 0.372+/-0.000 χ^2/NDF: 7714931714.8/27

All: 0.379+/-0.000 χ^2/NDF: 16257599677.7/5

- sign 0.386+/-0.000 χ^2/NDF: 8531979333.3/28

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

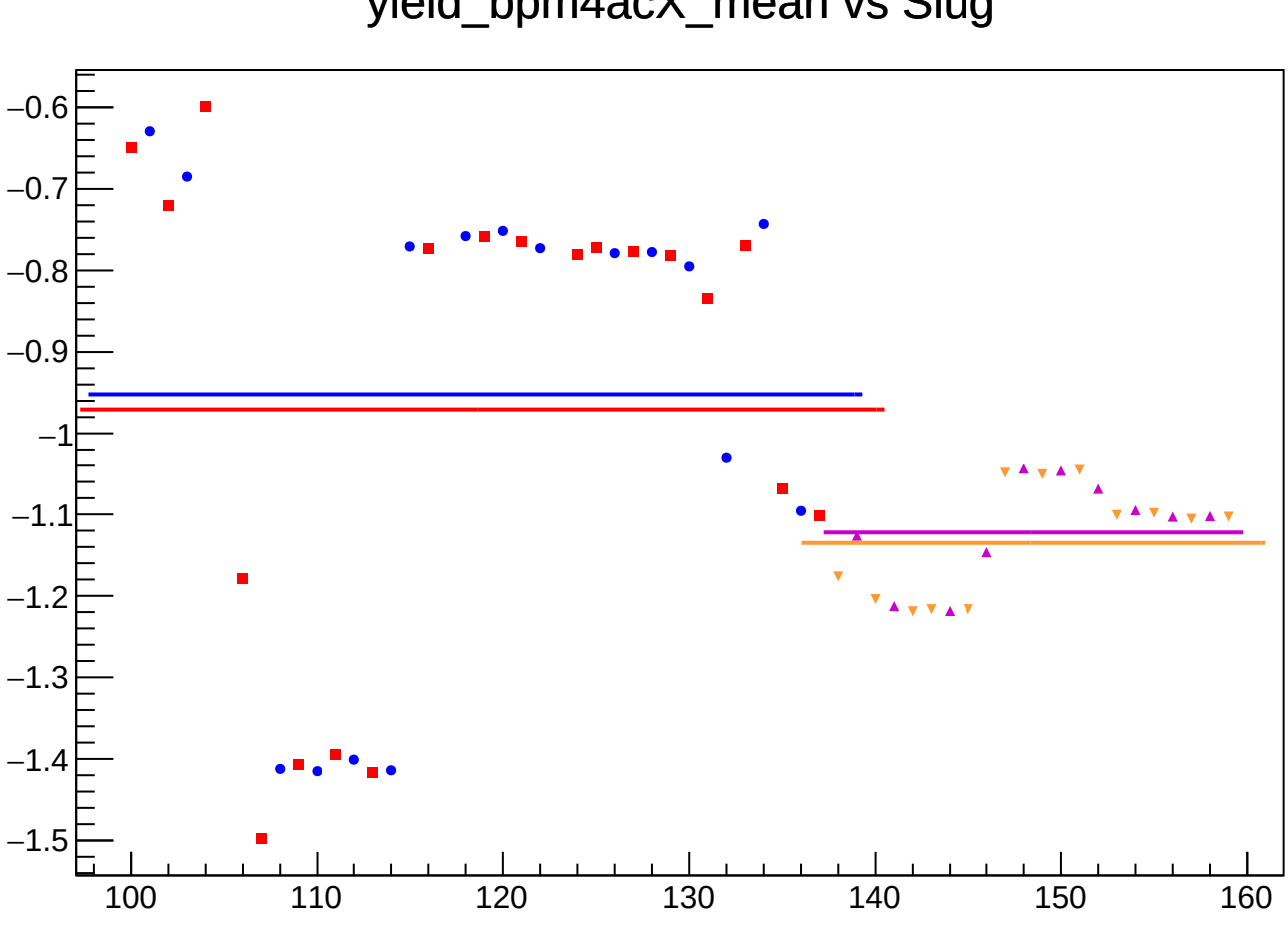
Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:295958.3/9

+ sign 0.011+/-0.000 χ^2/NDF: 1984888.4/27

All: 0.011+/-0.000 χ^2/NDF: 3869430.1/56

- sign 0.011+/-0.000 χ^2/NDF: 1882160.1/28



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

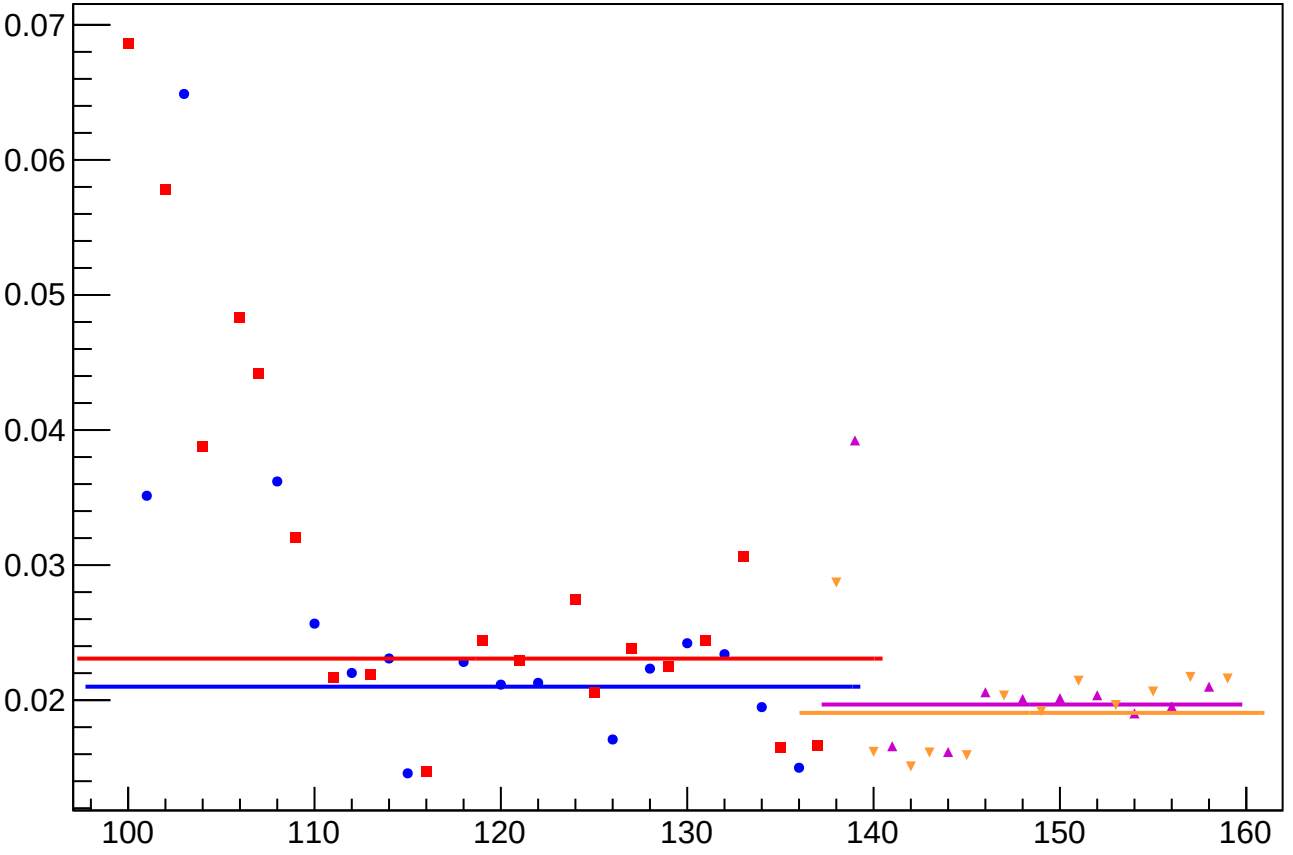
Left In: -1.122+/-0.000 χ^2/NDF:71155736.8/9

+ sign -1.066+/-0.000 χ^2/NDF: 1049504352.4/27

All: -1.066+/-0.000 χ^2/NDF: 1985840808.9/5

- sign -1.066+/-0.000 χ^2/NDF: 936332071.5/28

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

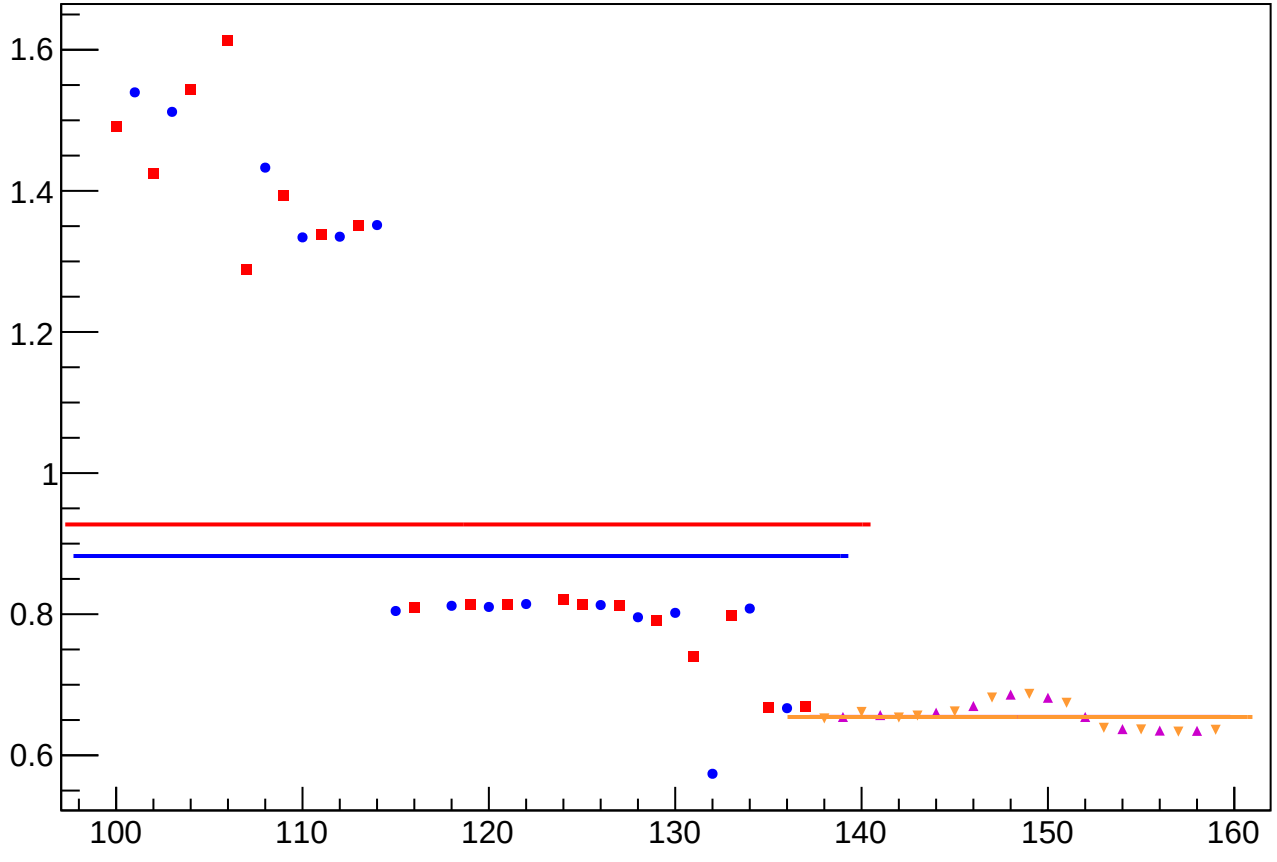
Left In: 0.020+/-0.000 χ^2/NDF:535591.7/9

+ sign 0.020+/-0.000 χ^2/NDF: 1602891.0/27

All: 0.020+/-0.000 χ^2/NDF: 3611529.3/56

- sign 0.021+/-0.000 χ^2/NDF: 1968575.6/28

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

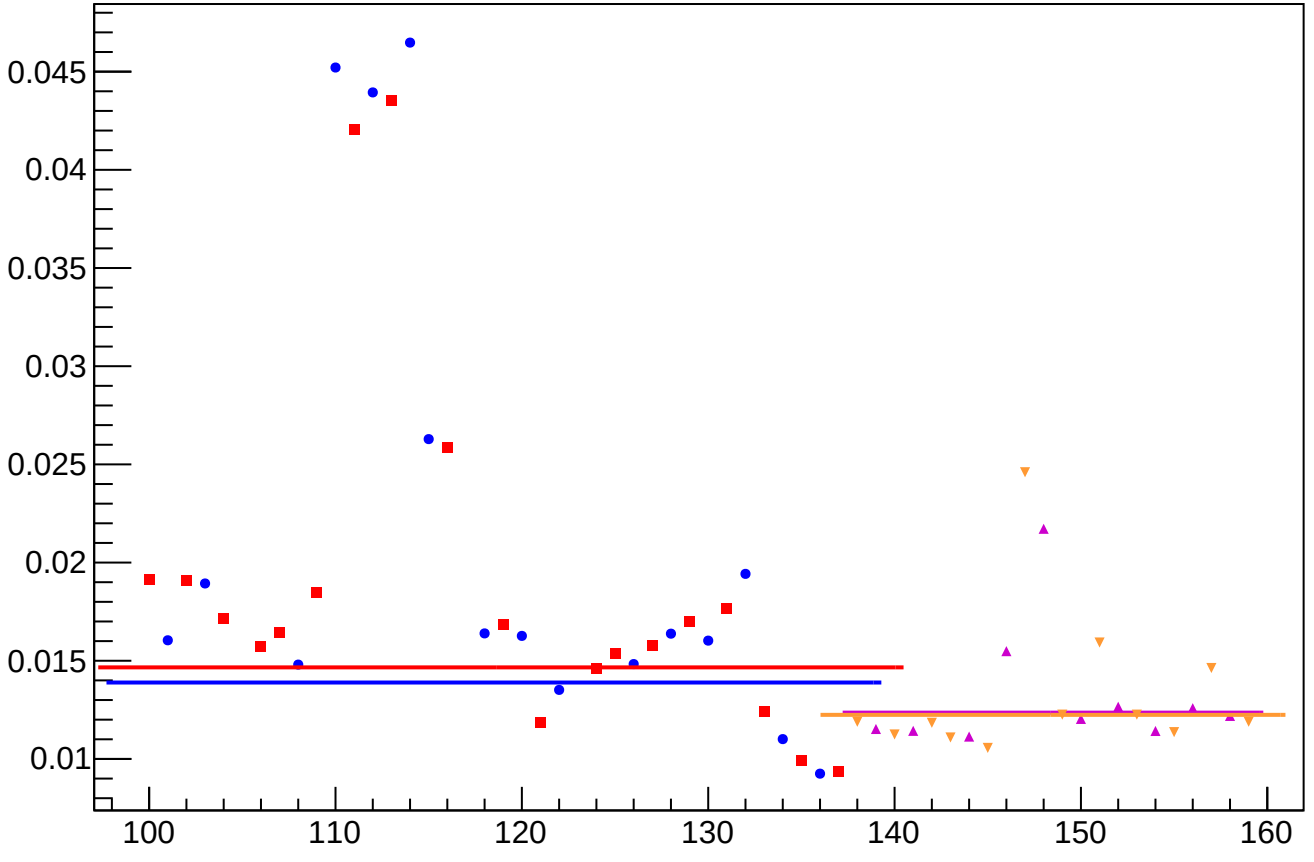
Left In: 0.654+/-0.000 χ^2/NDF:13414226.5/9

+ sign 0.732+/-0.000 χ^2/NDF: 3852478250.5/27

All: 0.741+/-0.000 χ^2/NDF: 8037852293.8/56

- sign 0.750+/-0.000 χ^2/NDF: 4171980686.7/28

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

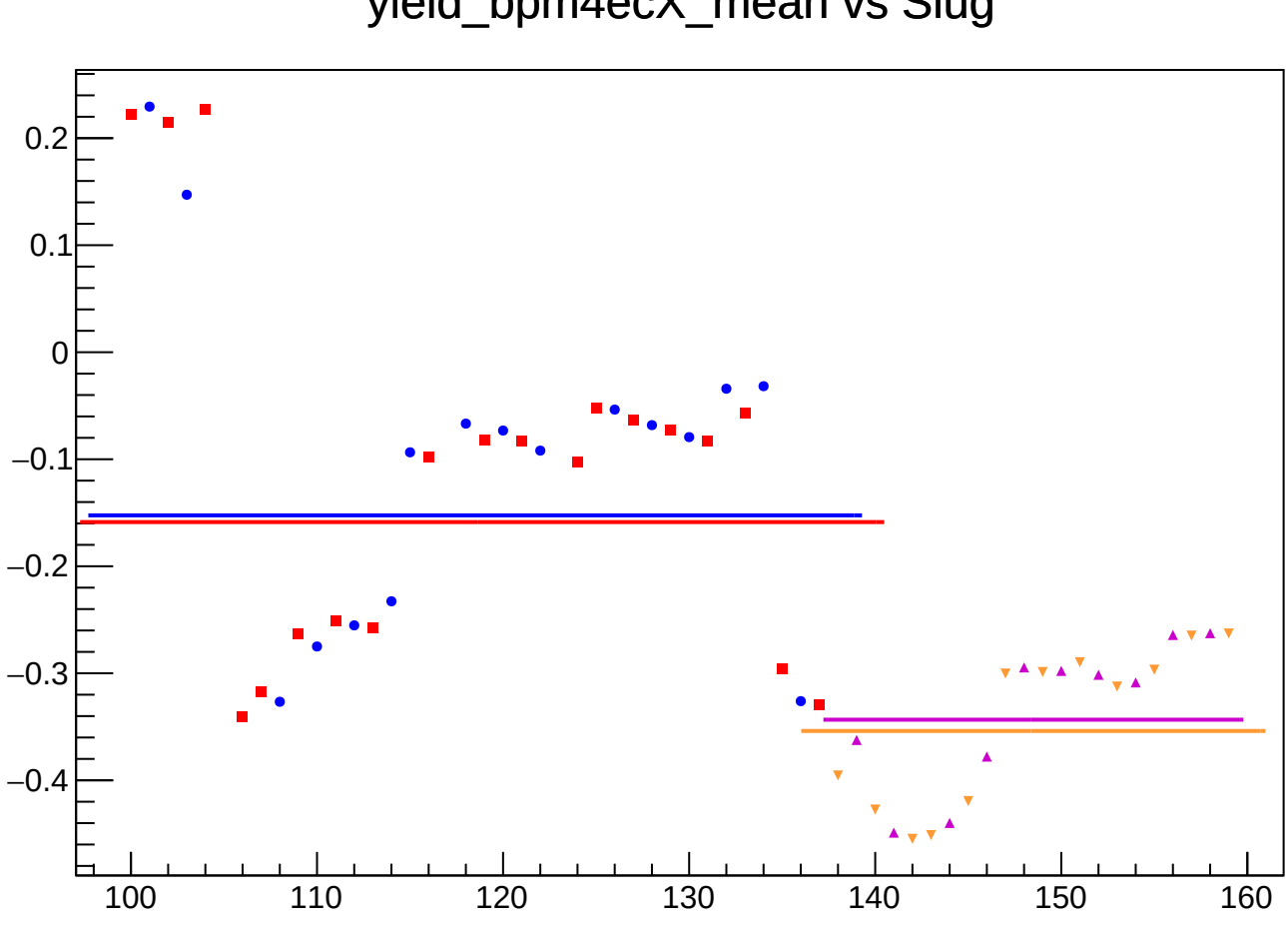
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:412679.0/9

+ sign 0.013+/-0.000 χ^2/NDF: 2364255.2/27

All: 0.013+/-0.000 χ^2/NDF: 4454147.1/56

- sign 0.013+/-0.000 χ^2/NDF: 2078928.9/28



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

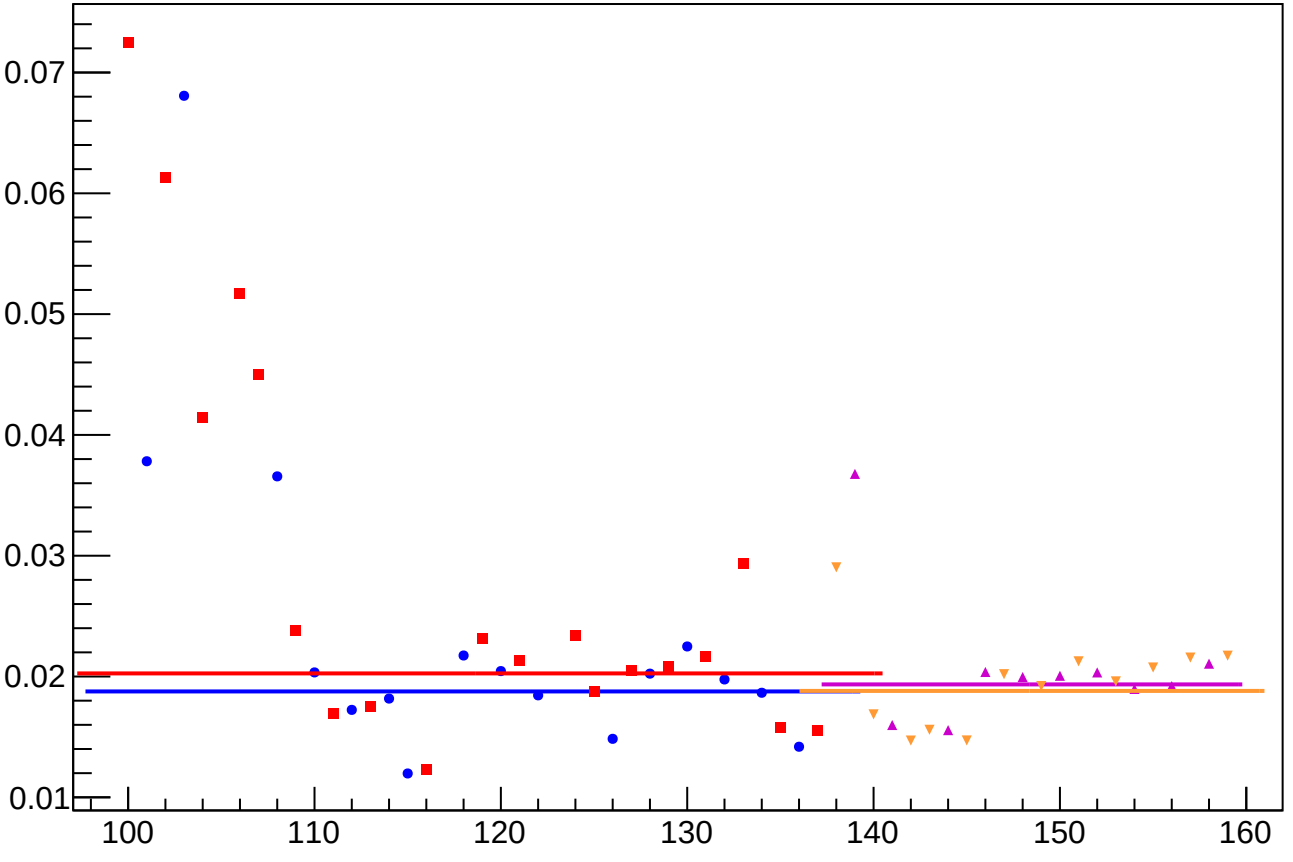
Left In: -0.343+/-0.000 χ^2/NDF:90706463.7/9

+ sign -0.270+/-0.000 χ^2/NDF: 739189801.5/27

All: -0.268+/-0.000 χ^2/NDF: 1288349370.8/5

- sign -0.266+/-0.000 χ^2/NDF: 548928026.4/28

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

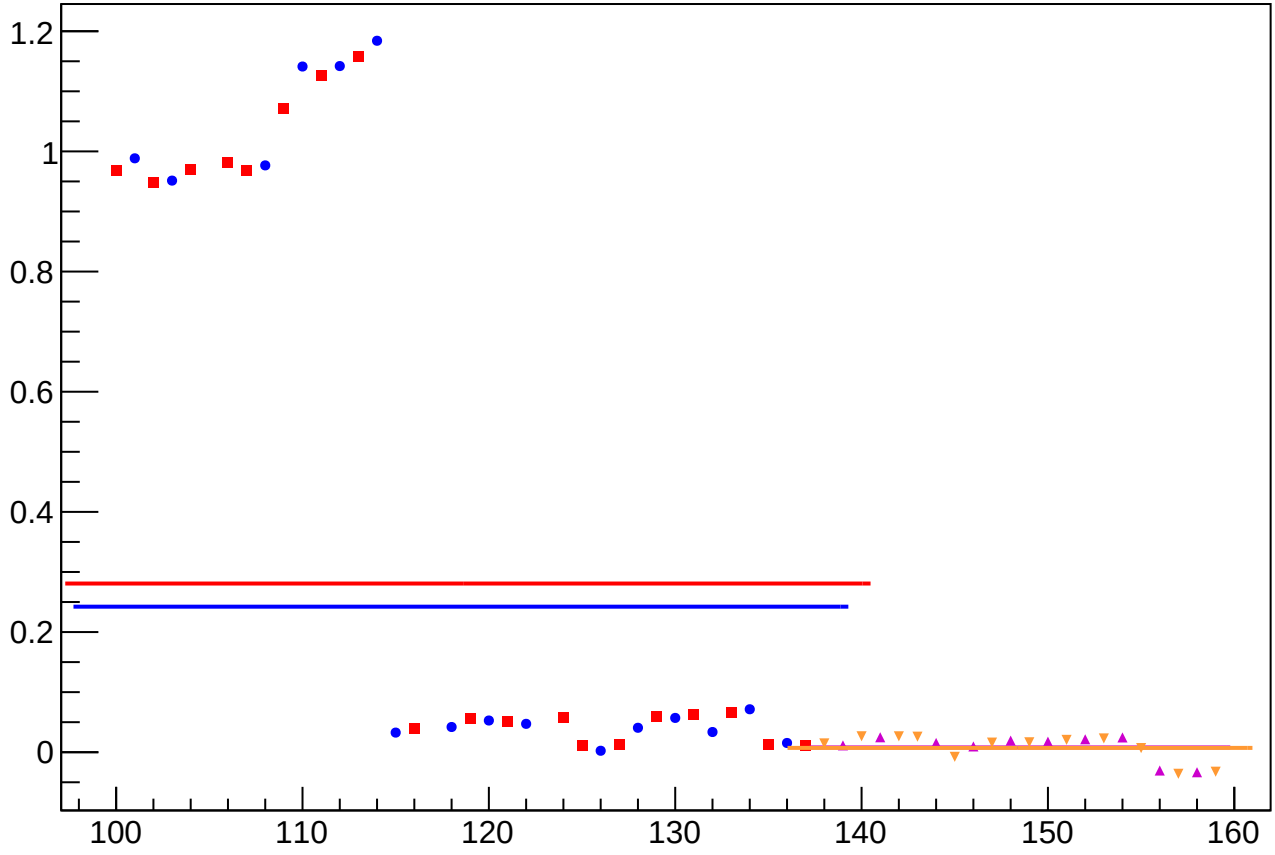
Left In: 0.019+/-0.000 χ^2/NDF:531152.2/9

+ sign 0.019+/-0.000 χ^2/NDF: 1807453.6/27

All: 0.019+/-0.000 χ^2/NDF: 3910602.1/56

- sign 0.020+/-0.000 χ^2/NDF: 2073519.1/28

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

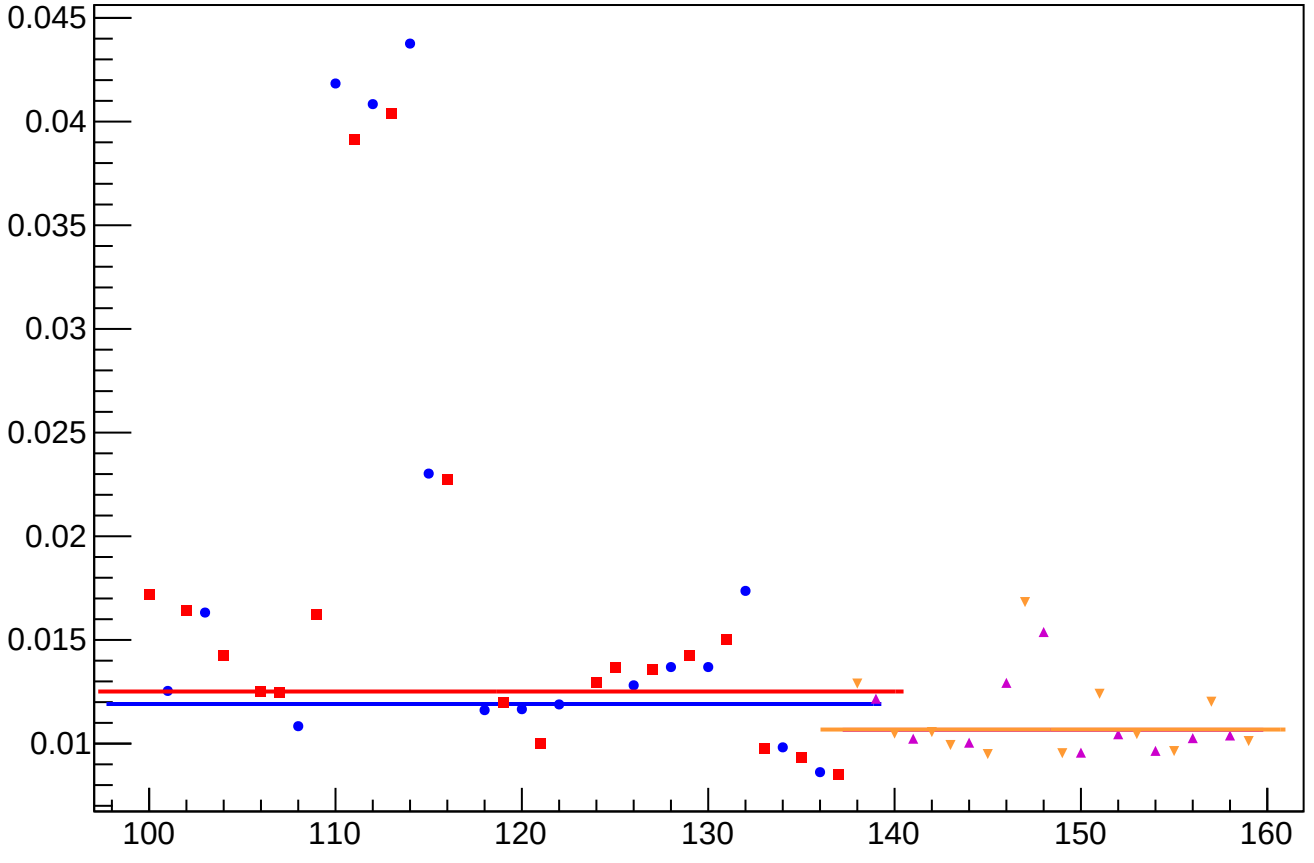
Left In: 0.008+/-0.000 χ^2/NDF:32798302.4/9

+ sign 0.089+/-0.000 χ^2/NDF: 8055203114.5/27

All: 0.096+/-0.000 χ^2/NDF: 16749464060.1/5

- sign 0.104+/-0.000 χ^2/NDF: 8682490907.3/28

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

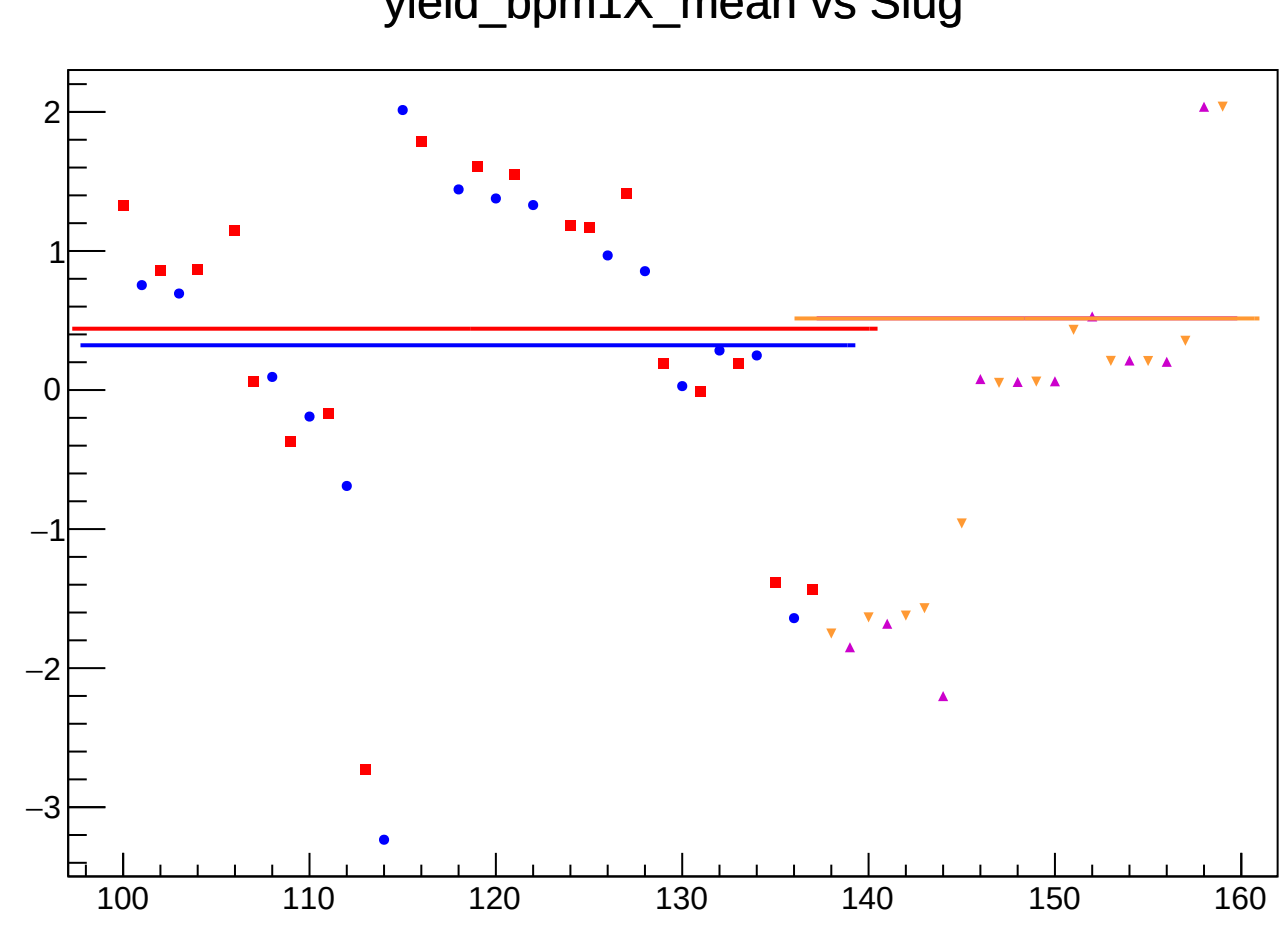
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:281901.8/9

+ sign 0.011+/-0.000 χ^2/NDF: 1931170.5/27

All: 0.011+/-0.000 χ^2/NDF: 3784298.1/56

- sign 0.011+/-0.000 χ^2/NDF: 1848390.6/28



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

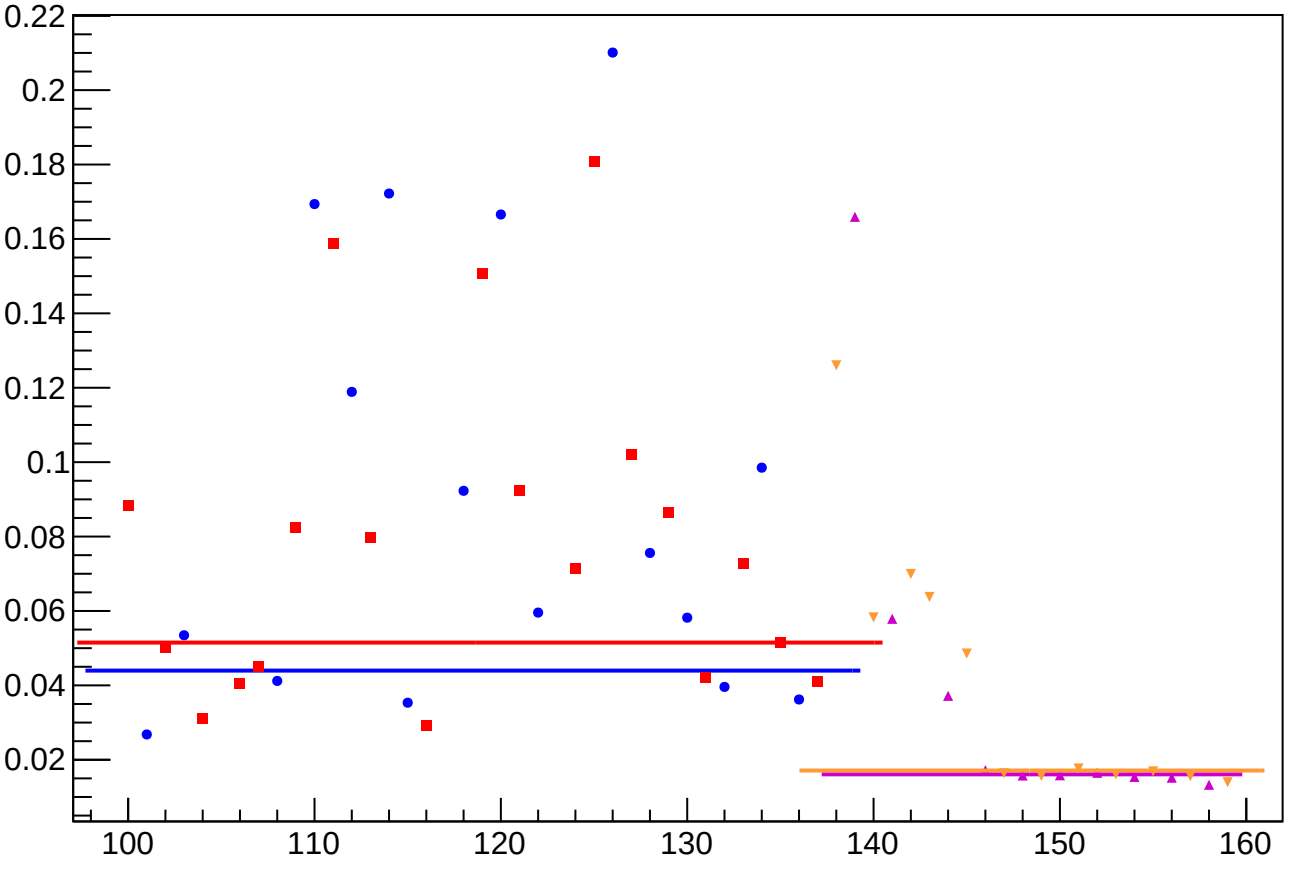
Left In: 0.516+/-0.000 χ^2/NDF:14846225212.7/9

+ sign 0.498+/-0.000 χ^2/NDF: 14609666049.5/27

All: 0.504+/-0.000 χ^2/NDF: 31262983298.3/5

- sign 0.511+/-0.000 χ^2/NDF: 16651458453.4/28

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

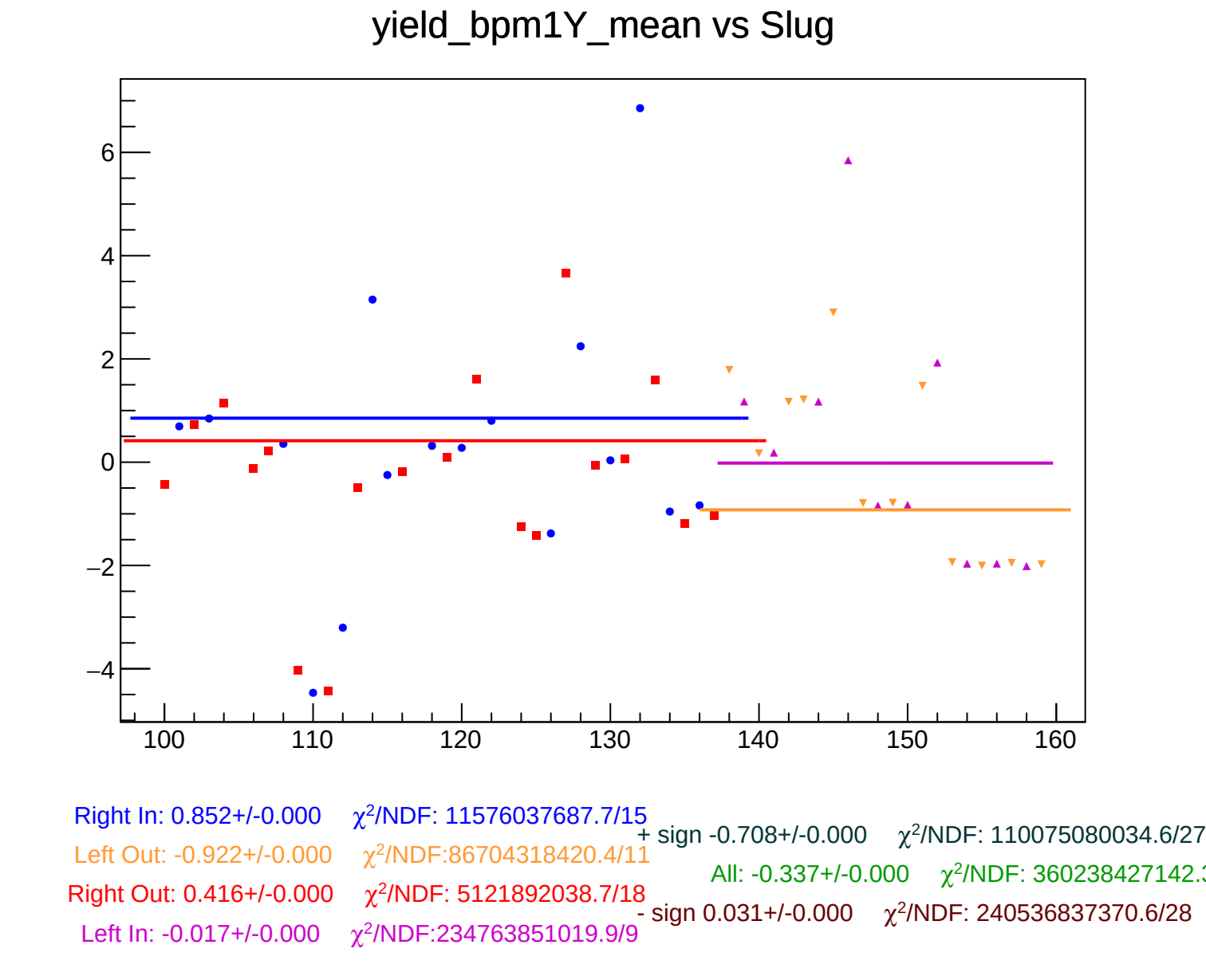
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.016+/-0.000 χ^2/NDF:2052148.1/9

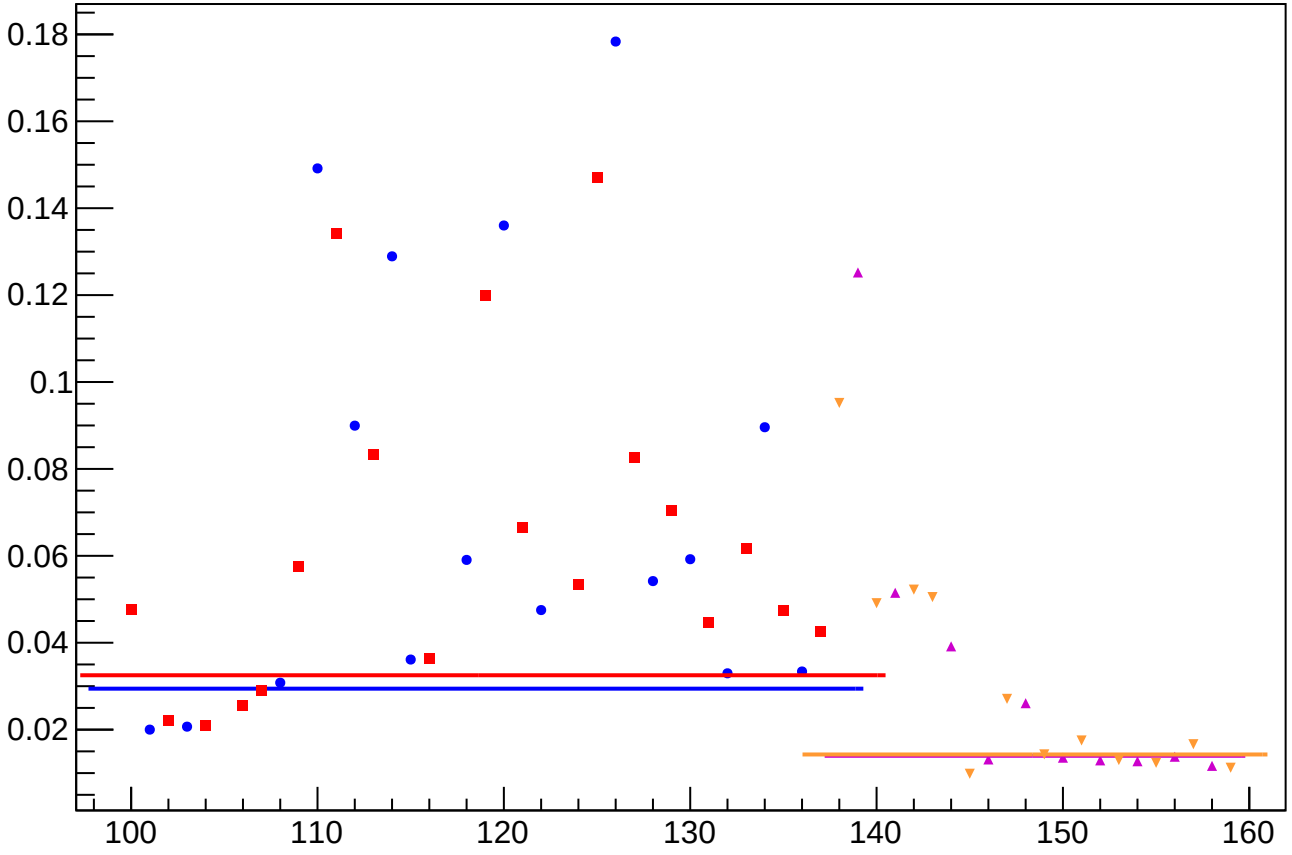
+ sign 0.019+/-0.000 χ^2/NDF: 8172562.7/27

All: 0.019+/-0.000 χ^2/NDF: 16452511.5/56

- sign 0.019+/-0.000 χ^2/NDF: 8260771.0/28


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: -0.922+/-0.000 χ²/NDF:86704318420.4/11
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: -0.017+/-0.000 χ²/NDF:234763851019.9/9
+ sign -0.708+/-0.000 χ²/NDF: 110075080034.6/27
All: -0.337+/-0.000 χ²/NDF: 360238427142.3
- sign 0.031+/-0.000 χ²/NDF: 240536837370.6/28

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

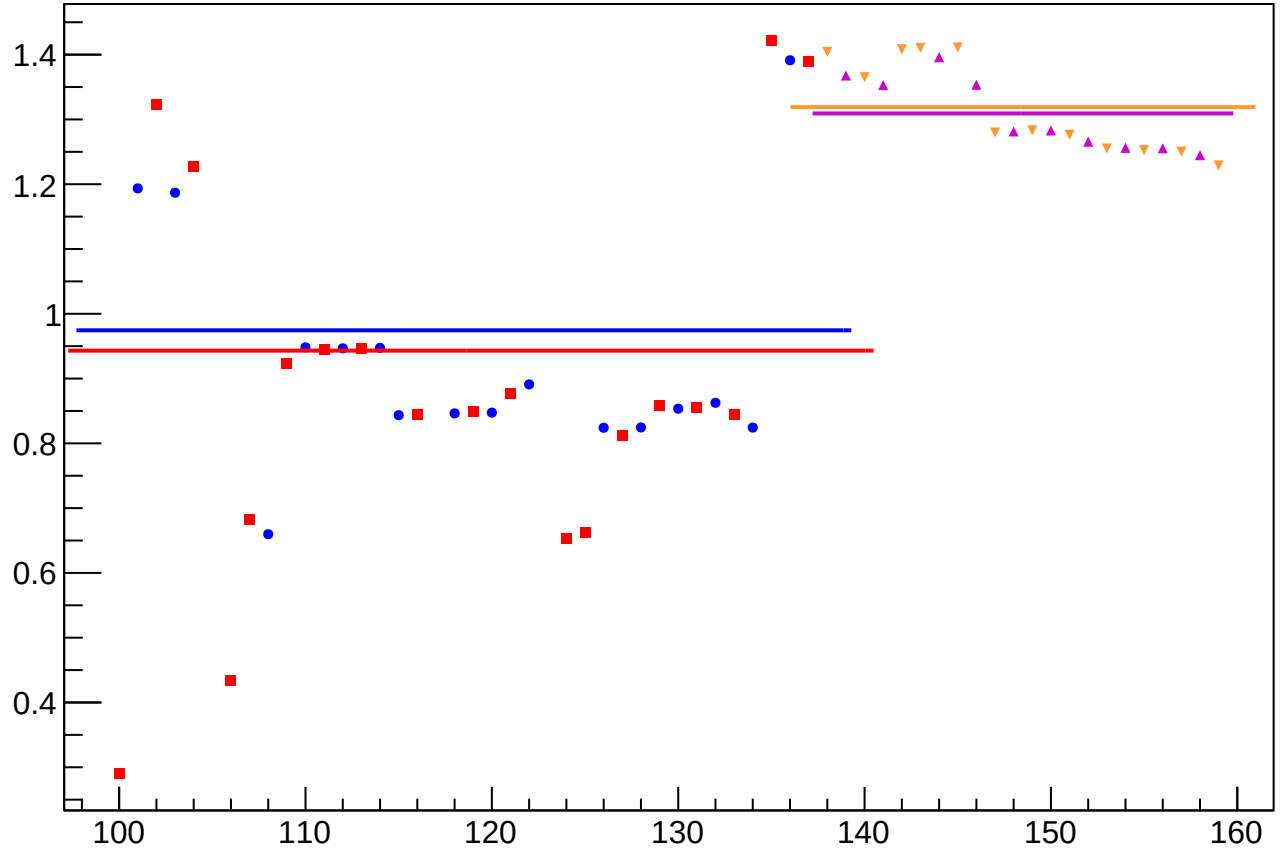
Left In: 0.014+/-0.000 χ^2/NDF:2519657.3/9

+ sign 0.016+/-0.000 χ^2/NDF: 7815125.5/27

All: 0.016+/-0.000 χ^2/NDF: 16036834.9/56

- sign 0.016+/-0.000 χ^2/NDF: 8221366.7/28

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

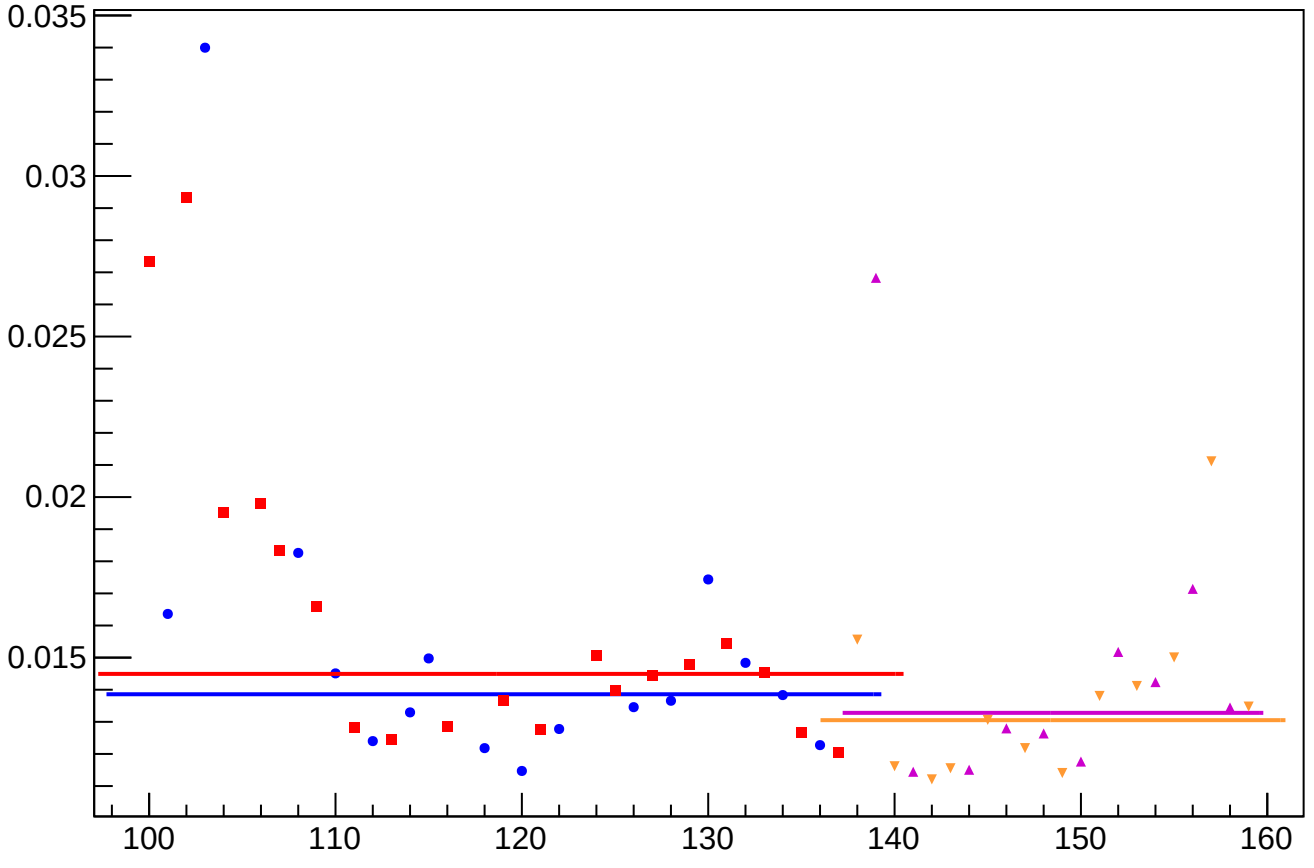
Left In: 1.309+/-0.000 χ^2/NDF:119904057.8/9

+ sign 1.179+/-0.000 χ^2/NDF: 3965370128.0/27

All: 1.168+/-0.000 χ^2/NDF: 8156334139.8/56

- sign 1.156+/-0.000 χ^2/NDF: 4170686635.5/28

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

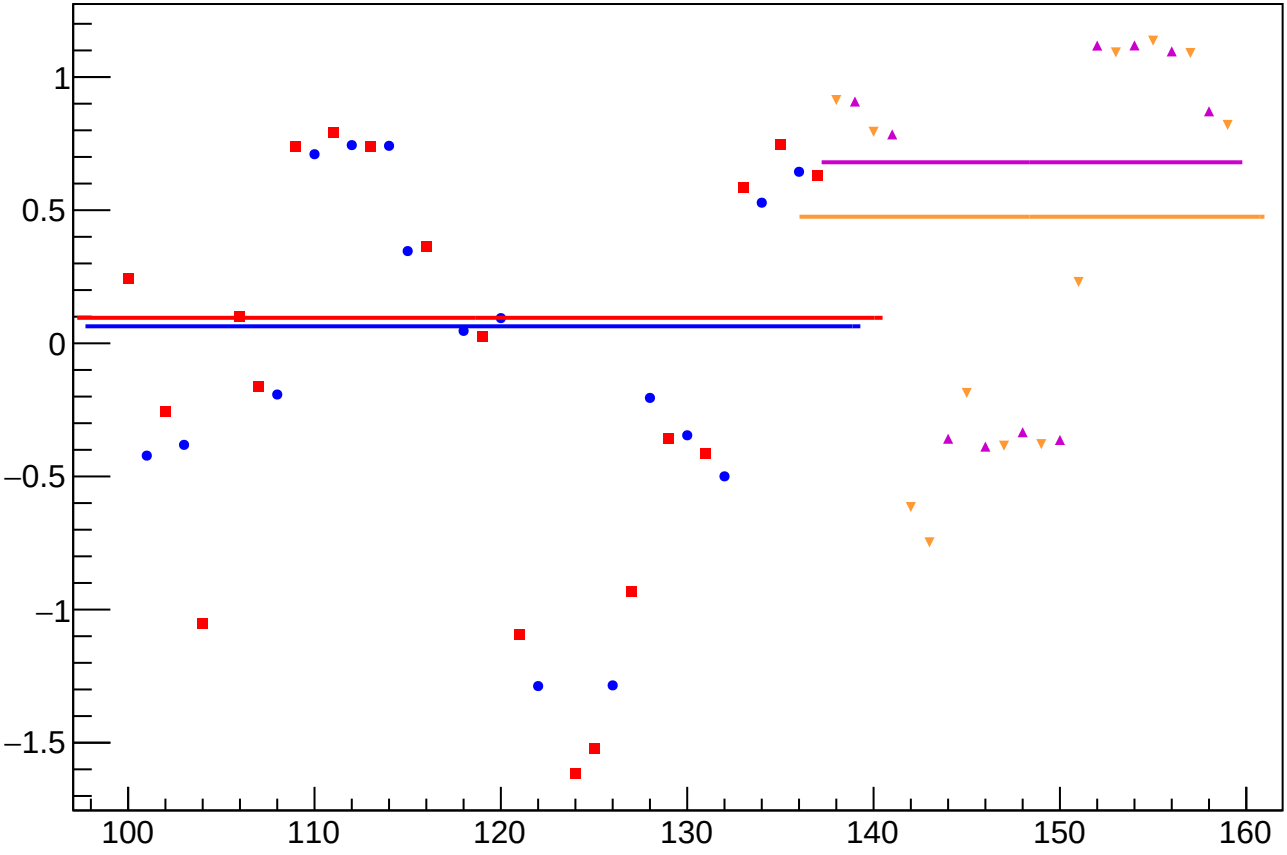
Left In: 0.013+/-0.000 χ^2/NDF:625948.4/9

+ sign 0.013+/-0.000 χ^2/NDF: 989703.9/27

All: 0.014+/-0.000 χ^2/NDF: 2224919.5/56

- sign 0.014+/-0.000 χ^2/NDF: 1222544.5/28

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

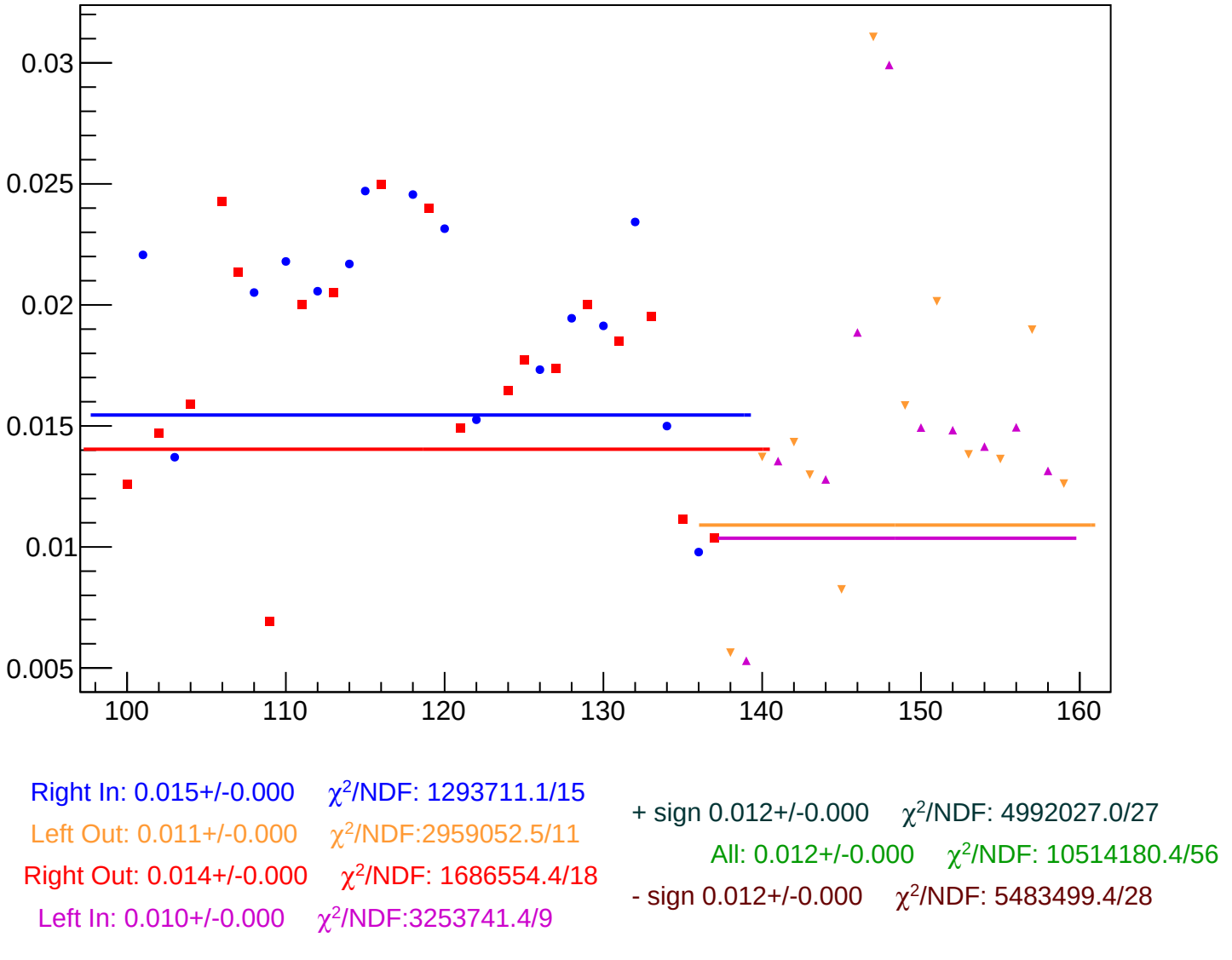
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.680+/-0.000 χ^2/NDF:17274051672.2/9

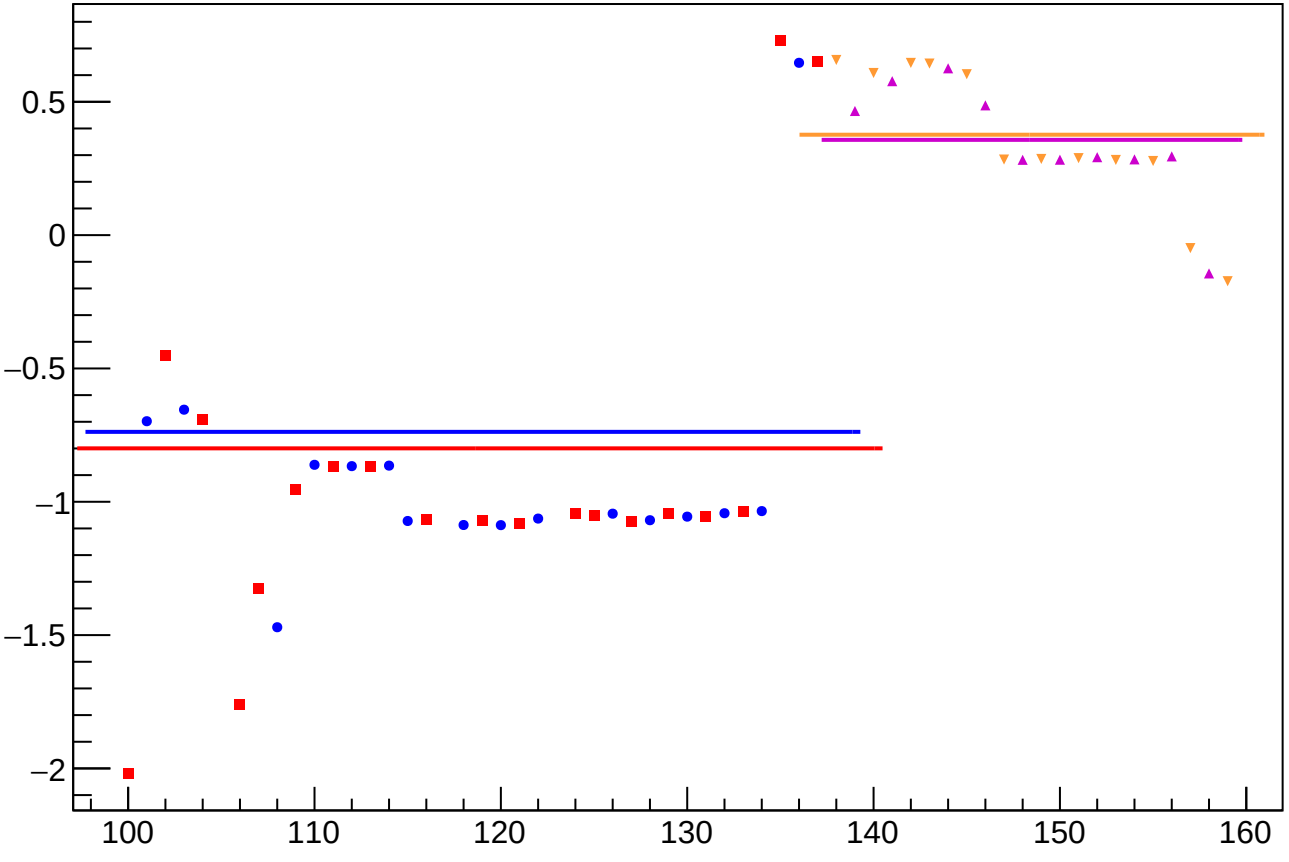
+ sign 0.356+/-0.000 χ^2/NDF: 39815526683.8/27

All: 0.424+/-0.000 χ^2/NDF: 82516616203.3/5

- sign 0.489+/-0.000 χ^2/NDF: 41914267537.9/28


yield_bpm11Y_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.015+/-0.000 χ²/NDF: 1293711.1/15
Left Out: 0.011+/-0.000 χ²/NDF:2959052.5/11
Right Out: 0.014+/-0.000 χ²/NDF: 1686554.4/18
Left In: 0.010+/-0.000 χ²/NDF:3253741.4/9
+ sign 0.012+/-0.000 χ²/NDF: 4992027.0/27
All: 0.012+/-0.000 χ²/NDF: 10514180.4/56
- sign 0.012+/-0.000 χ²/NDF: 5483499.4/28

yield_bpm12X_mean vs Slug



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

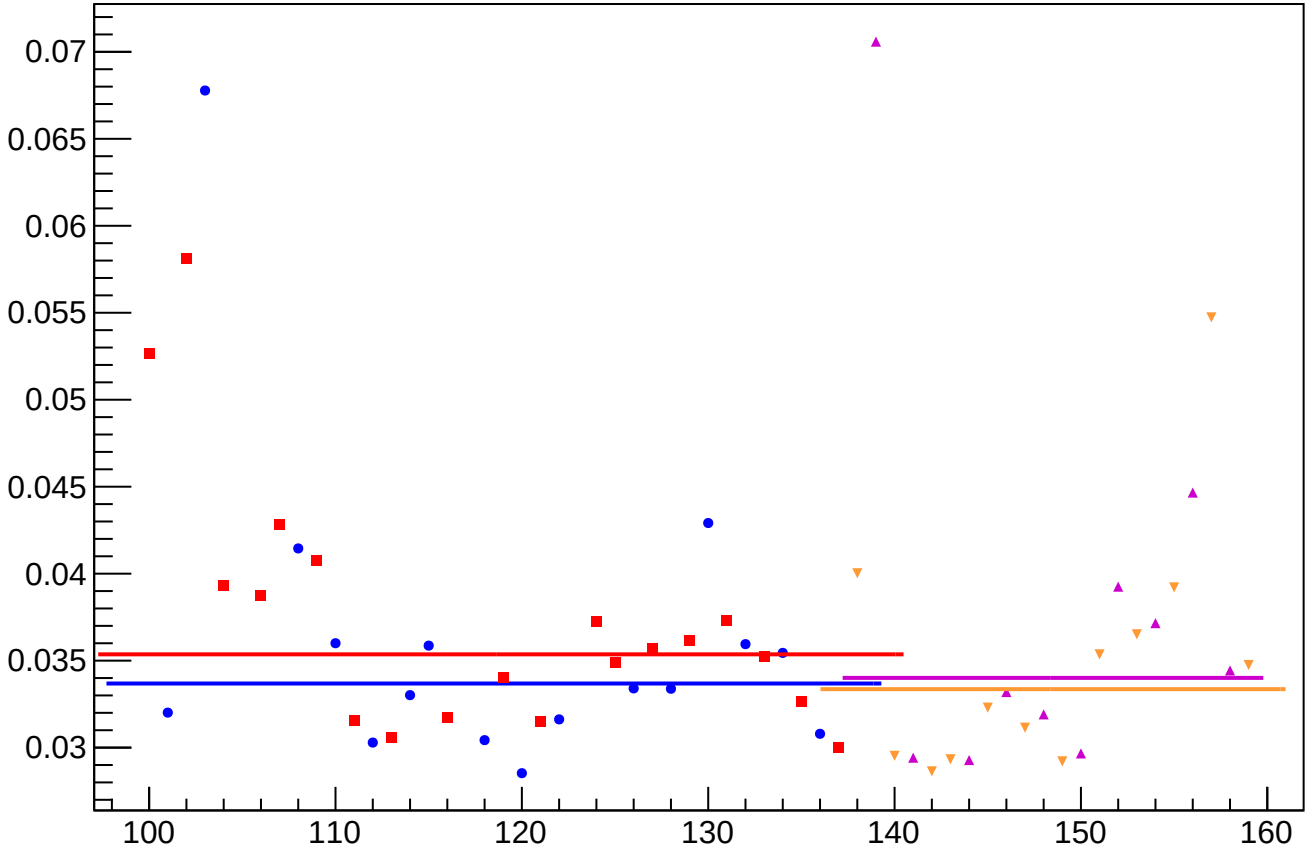
Left In: 0.357+/-0.000 χ^2/NDF:300453898.4/9

+ sign -0.109+/-0.000 χ^2/NDF: 6416781909.7/27

All: -0.133+/-0.000 χ^2/NDF: 12451224385.9/

- sign -0.159+/-0.000 χ^2/NDF: 6019527089.1/28

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.033+/-0.000 χ^2/NDF:391157.5/11

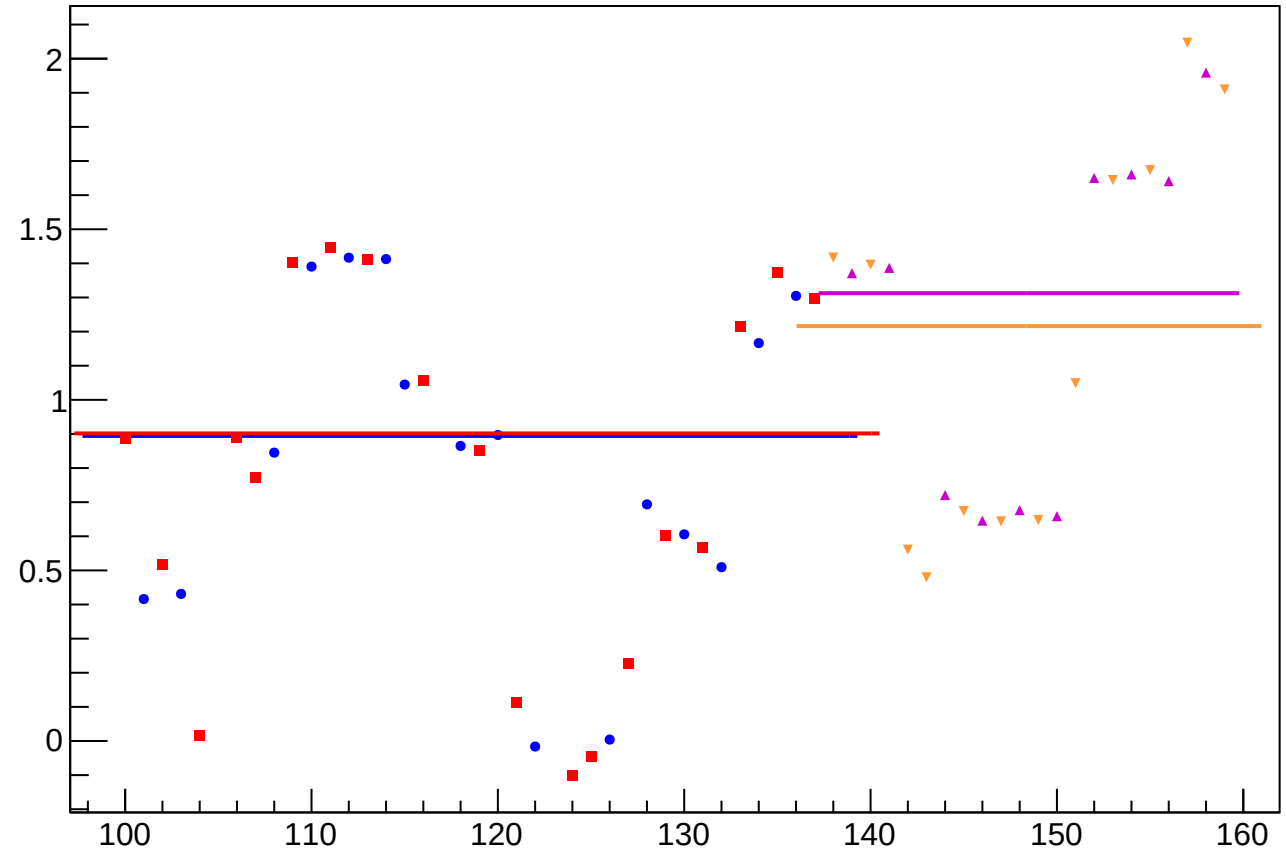
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.034+/-0.000 χ^2/NDF:672964.4/9

+ sign 0.034+/-0.000 χ^2/NDF: 812044.0/27

All: 0.034+/-0.000 χ^2/NDF: 1806825.2/56

- sign 0.035+/-0.000 χ^2/NDF: 979823.7/28



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.216+/-0.000 χ^2/NDF:28556794598.7/11

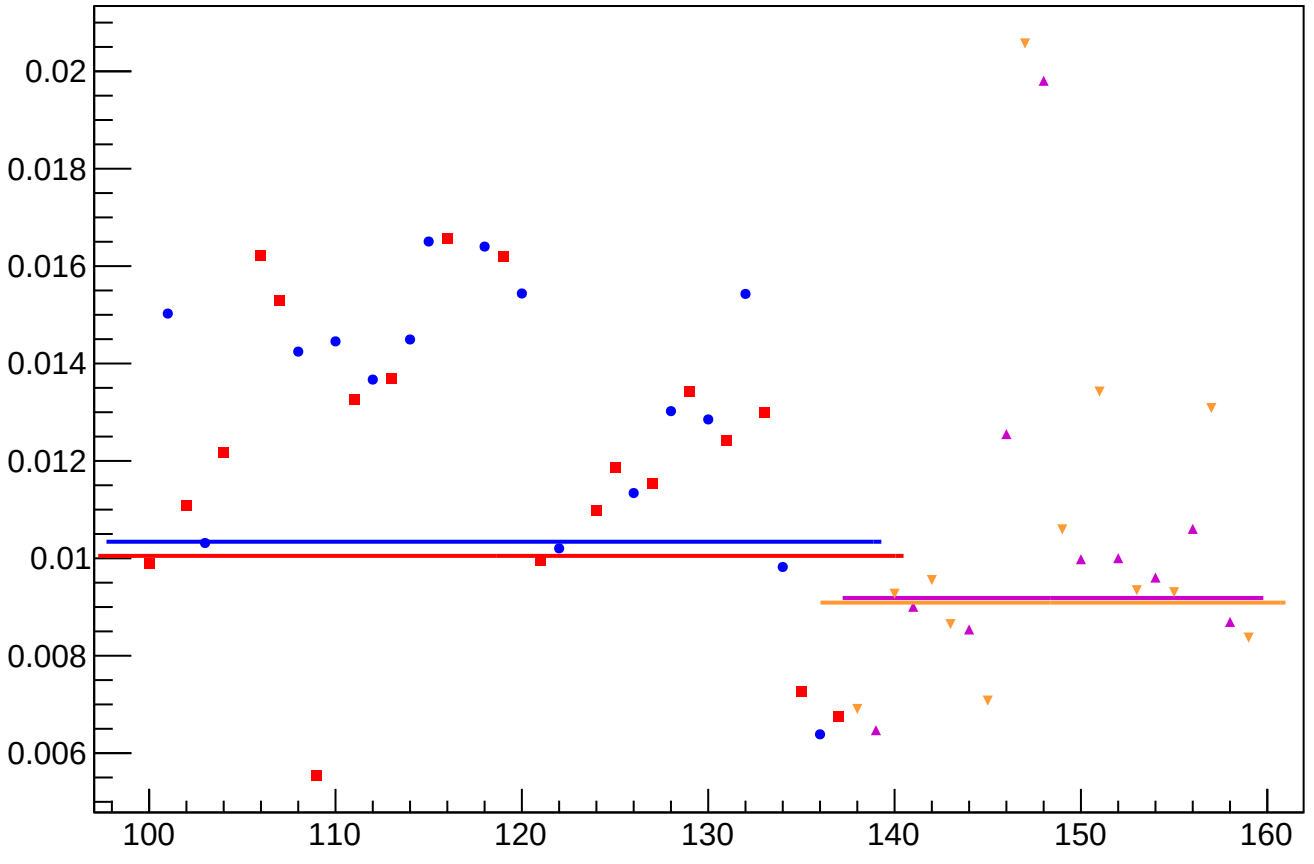
Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.313+/-0.000 χ^2/NDF:18597363228.2/9

+ sign 1.103+/-0.000 χ^2/NDF: 45050961388.2/27

All: 1.126+/-0.000 χ^2/NDF: 87885586006.1/5

- sign 1.150+/-0.000 χ^2/NDF: 42658355032.8/28



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

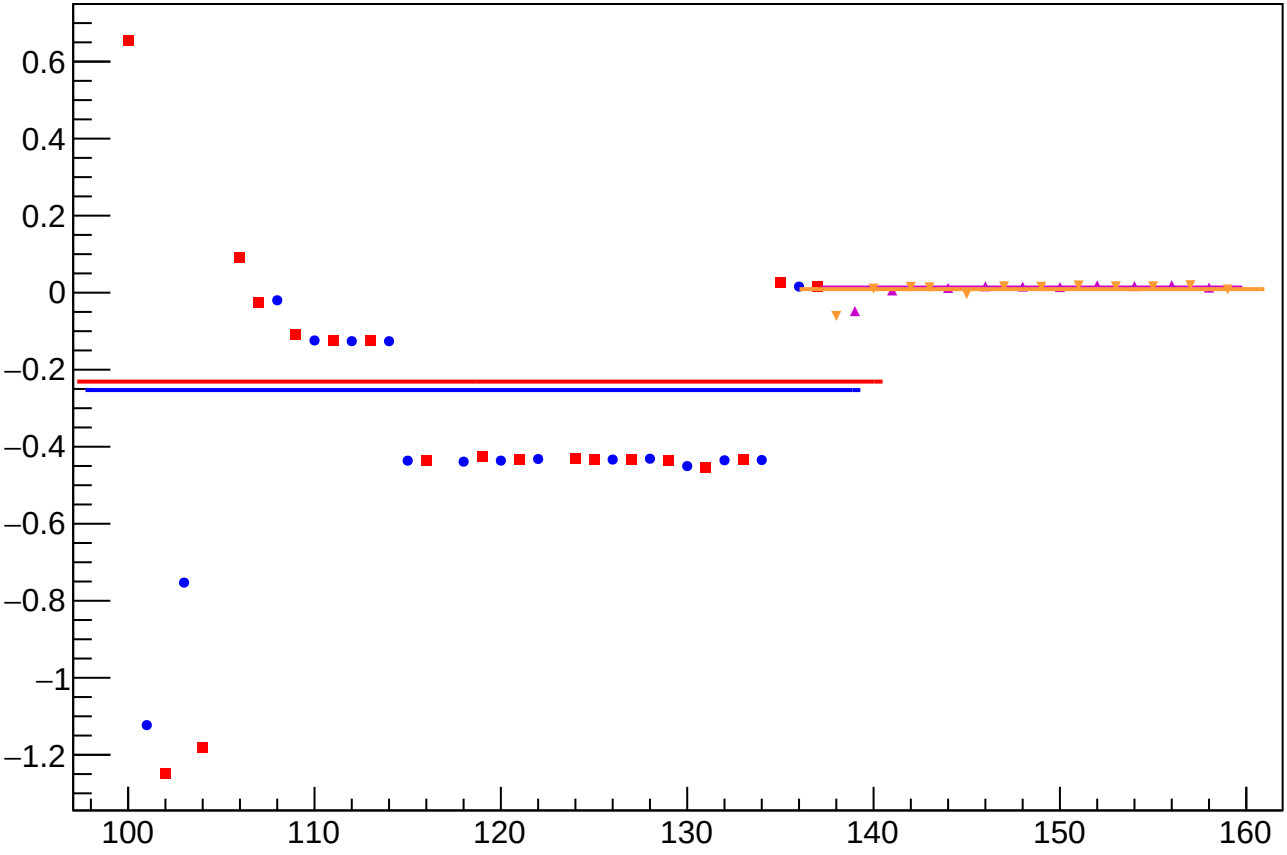
Left In: 0.009+/-0.000 χ^2/NDF:909632.6/9

+ sign 0.010+/-0.000 χ^2/NDF: 2583199.7/27

All: 0.010+/-0.000 χ^2/NDF: 4884189.4/56

- sign 0.010+/-0.000 χ^2/NDF: 2300987.5/28

yield_bpm16X_mean vs Slug



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

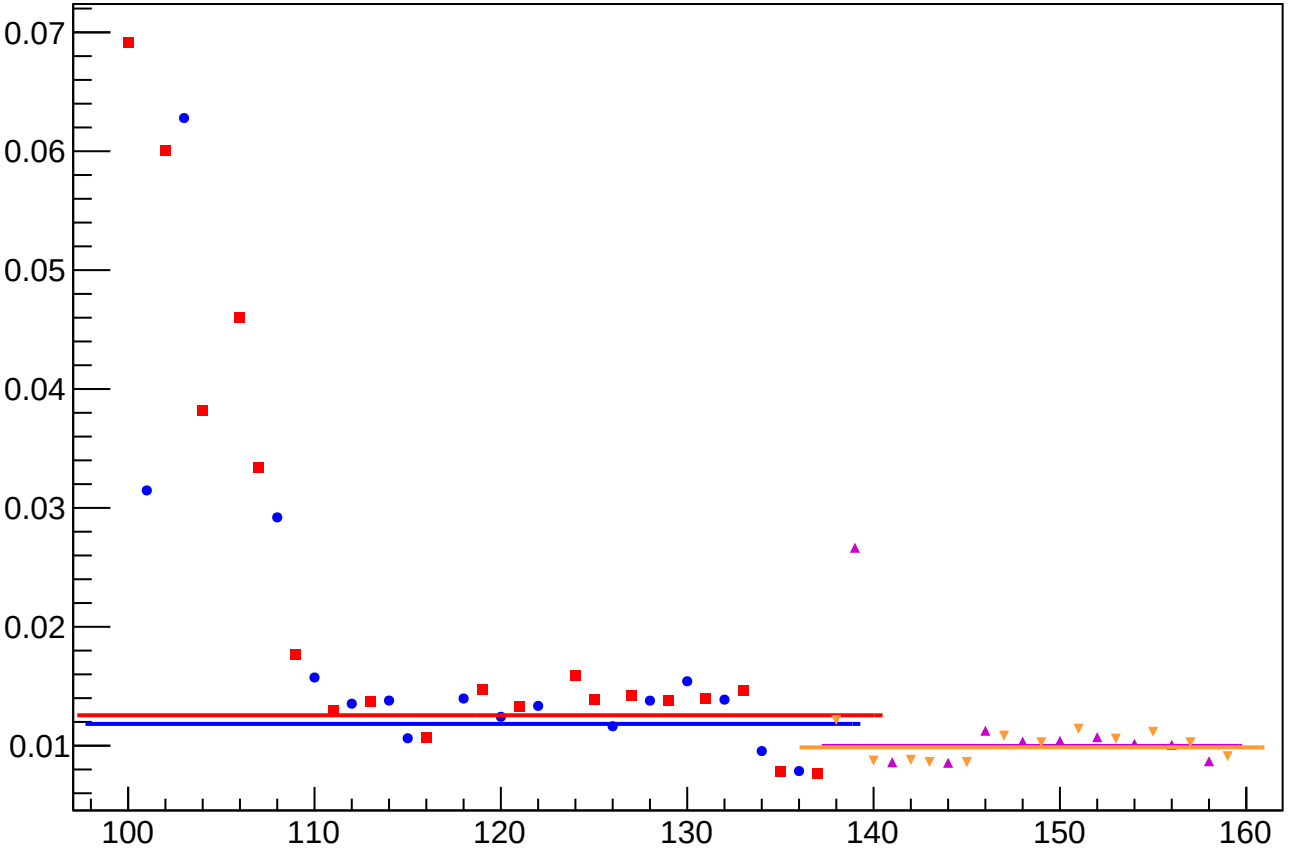
Left In: 0.013+/-0.000 χ^2/NDF:5600887.0/9

+ sign -0.072+/-0.000 χ^2/NDF: 3732384198.5/27

All: -0.068+/-0.000 χ^2/NDF: 6853701925.3/5

- sign -0.063+/-0.000 χ^2/NDF: 3117038463.3/28

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:200882.3/11

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

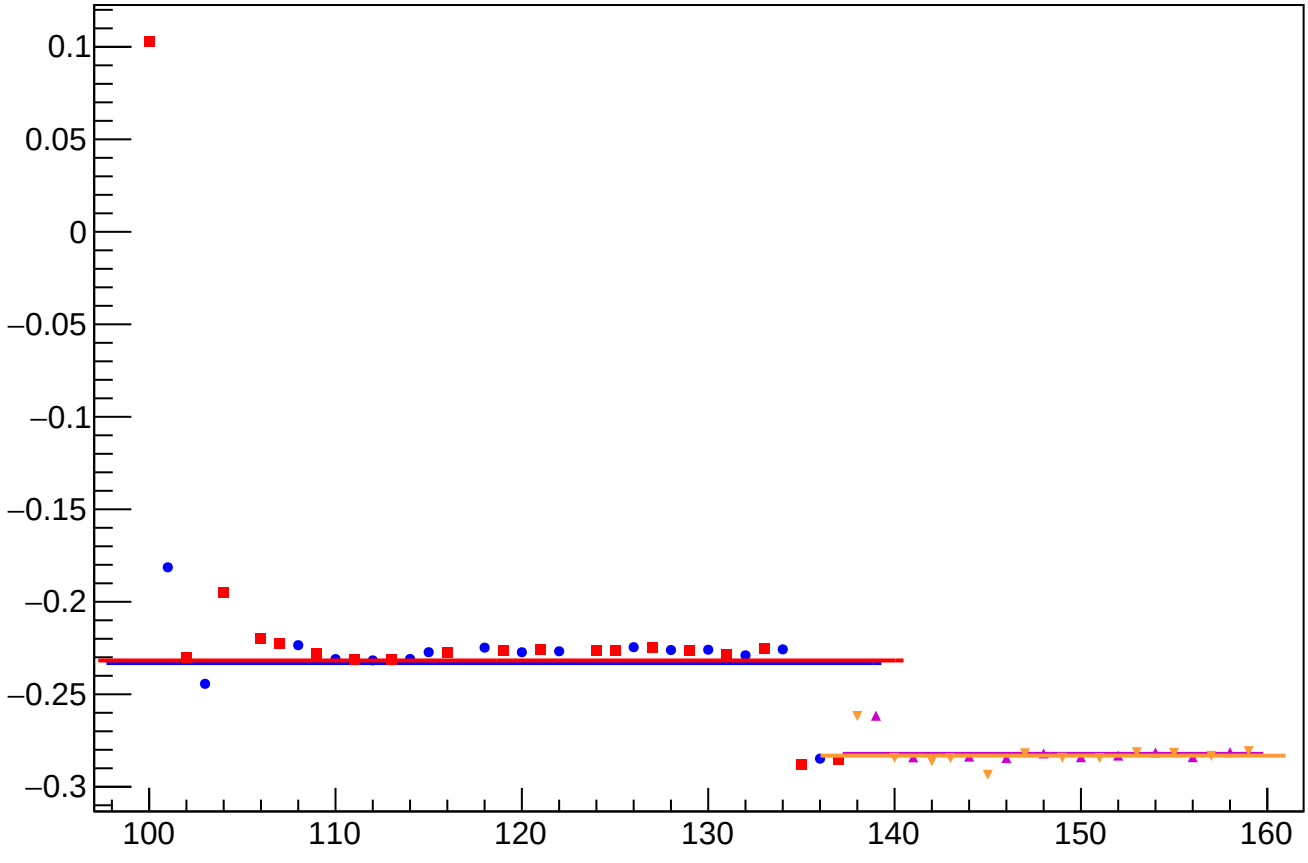
Left In: 0.010+/-0.000 χ^2/NDF:787912.1/9

+ sign 0.010+/-0.000 χ^2/NDF: 2334381.0/27

All: 0.011+/-0.000 χ^2/NDF: 5641512.1/56

- sign 0.011+/-0.000 χ^2/NDF: 3296612.9/28

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

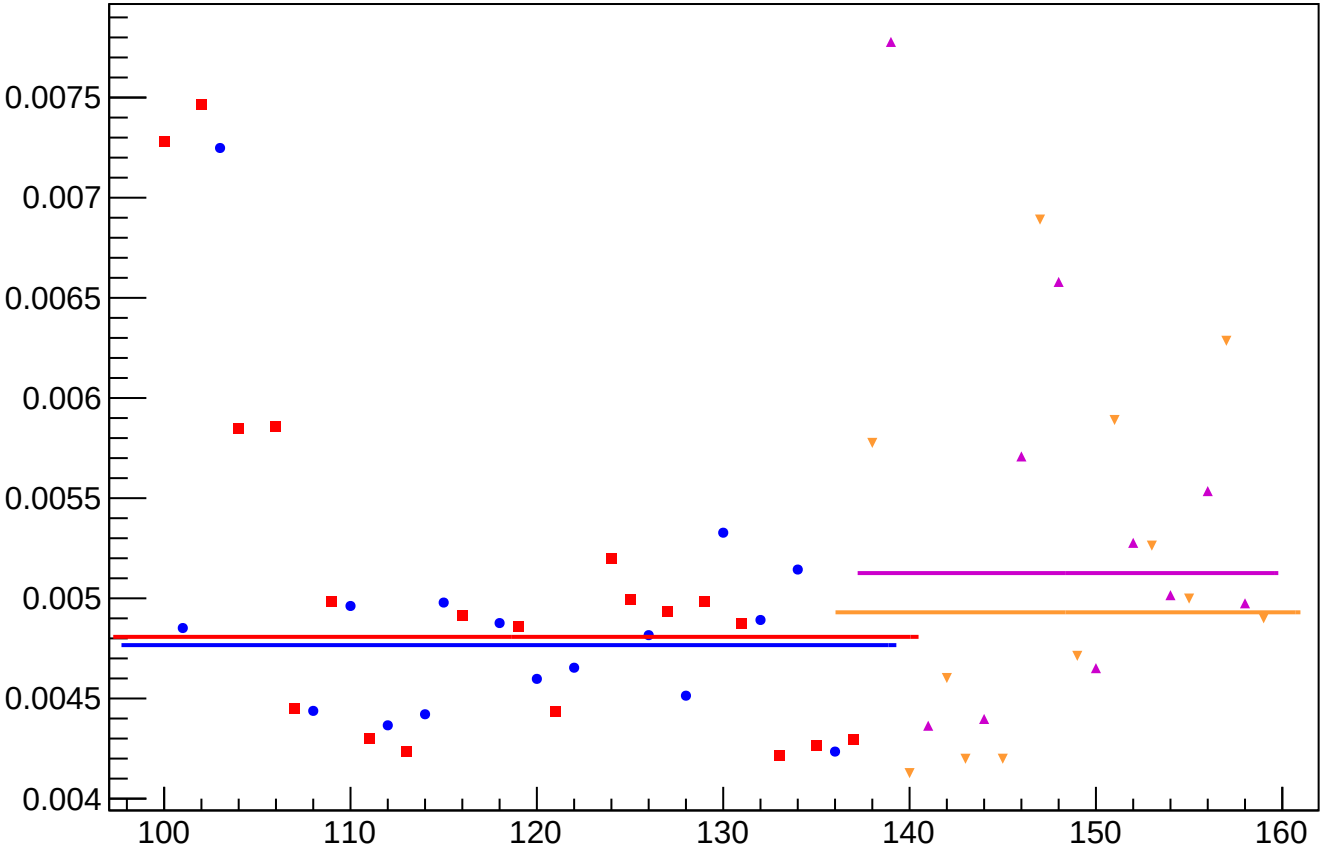
Left In: -0.282+/-0.000 χ^2/NDF:6267272.2/9

+ sign -0.261+/-0.000 χ^2/NDF: 609111392.1/27

All: -0.259+/-0.000 χ^2/NDF: 1285107501.5/5

- sign -0.258+/-0.000 χ^2/NDF: 672505944.6/28

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

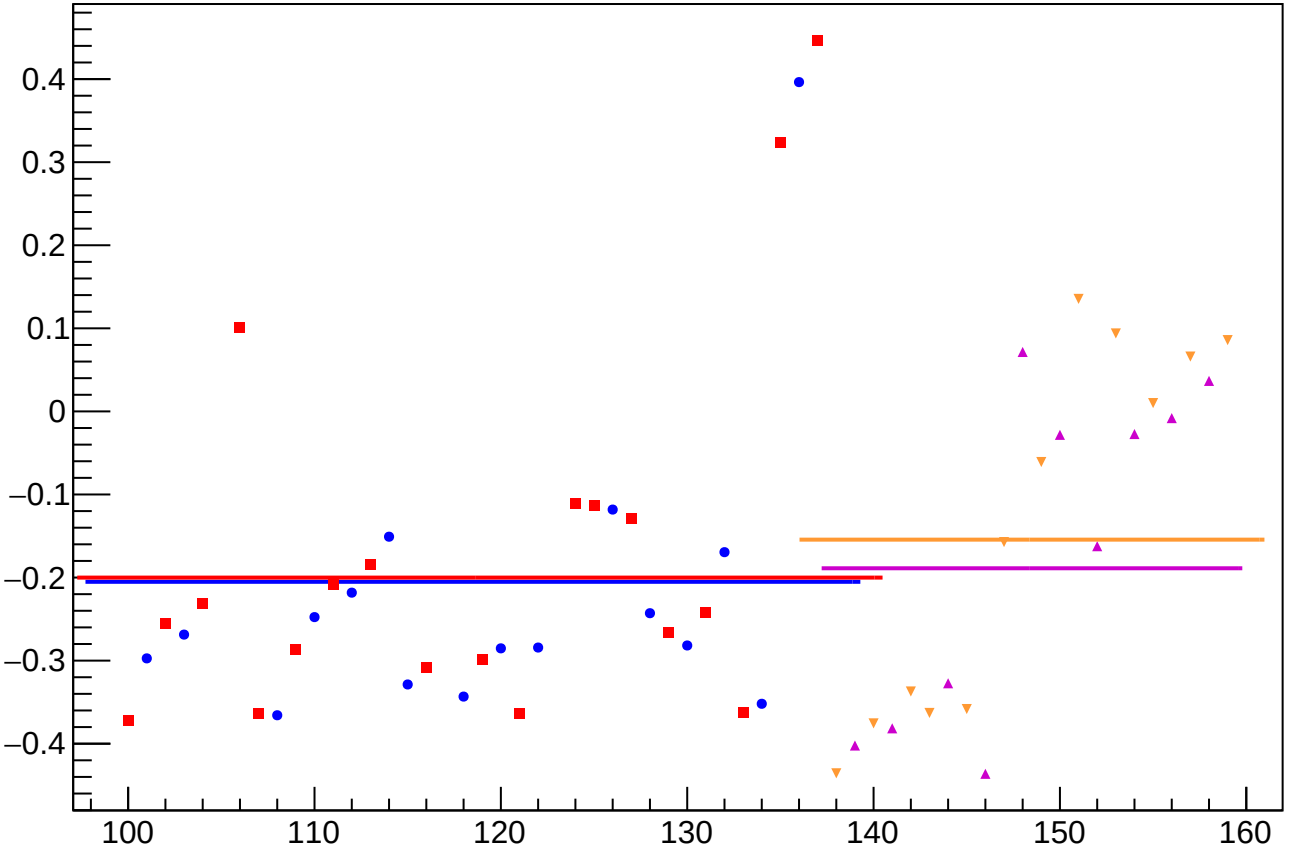
Left In: 0.005+/-0.000 χ^2/NDF:405183.2/9

+ sign 0.005+/-0.000 χ^2/NDF: 628913.8/27

All: 0.005+/-0.000 χ^2/NDF: 1365863.0/56

- sign 0.005+/-0.000 χ^2/NDF: 729049.1/28

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.154+/-0.000 χ^2/NDF:13502054954.9/11

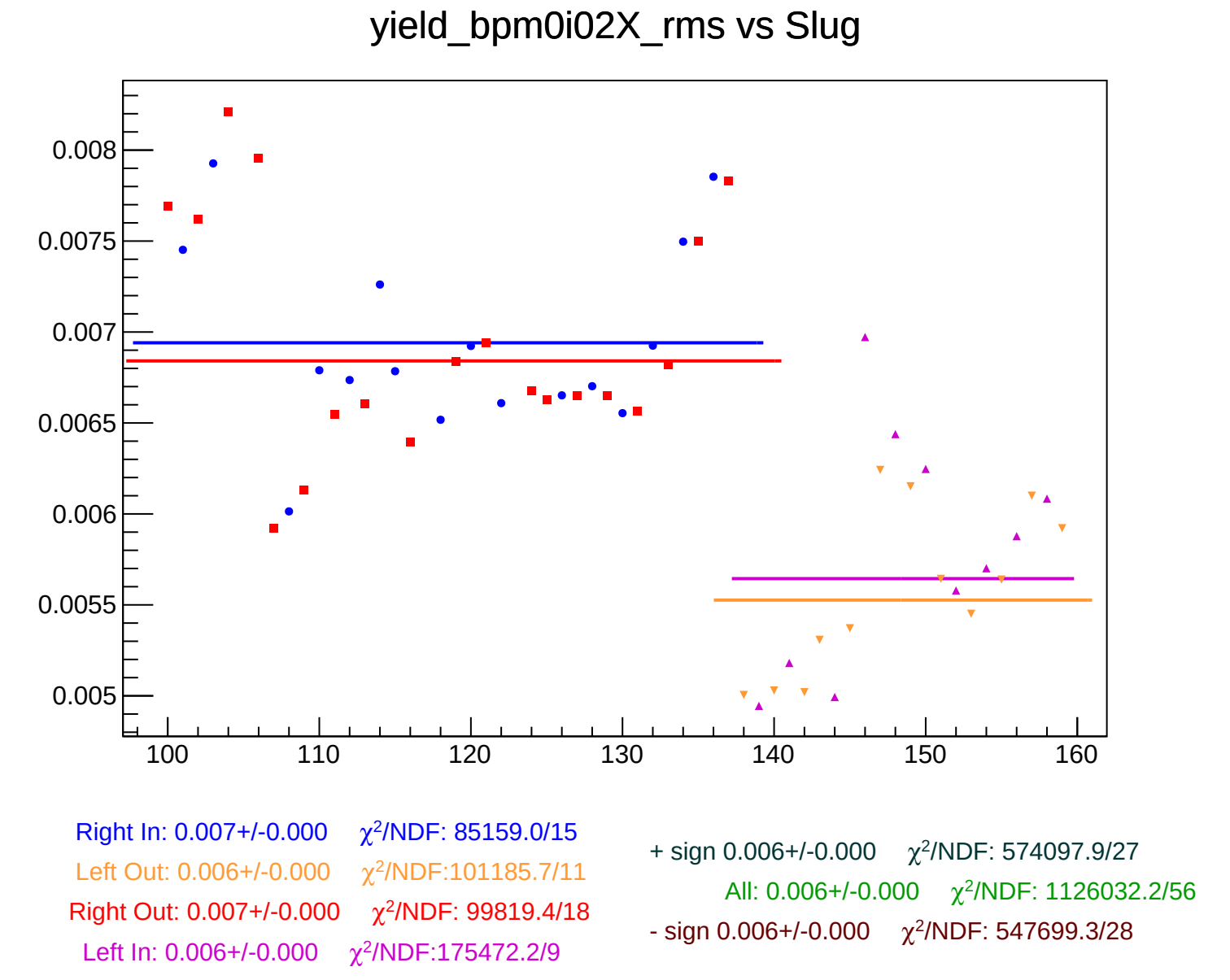
Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

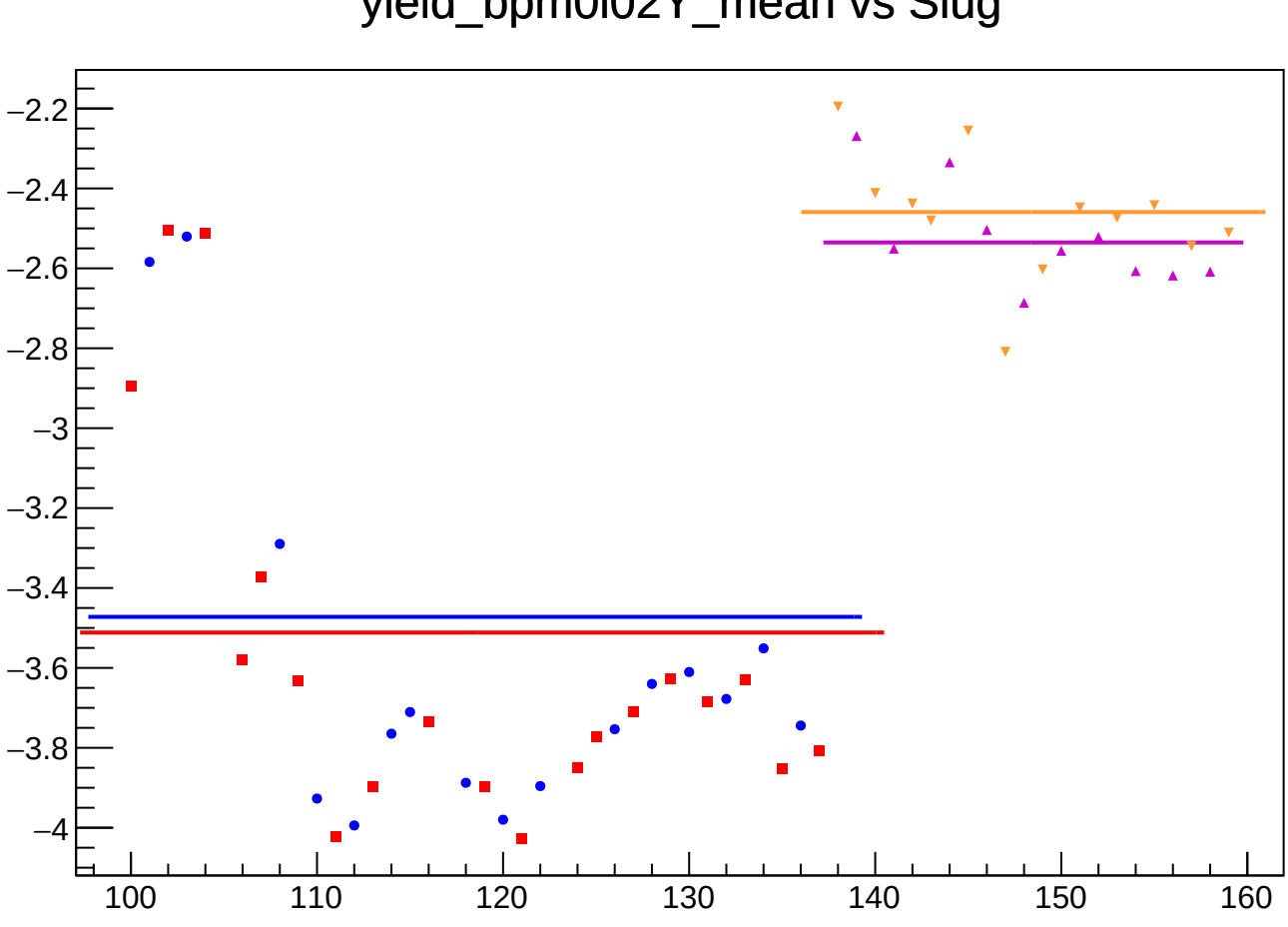
Left In: -0.189+/-0.000 χ^2/NDF:8518550677.5/9

+ sign -0.171+/-0.000 χ^2/NDF: 19940861599.1/27

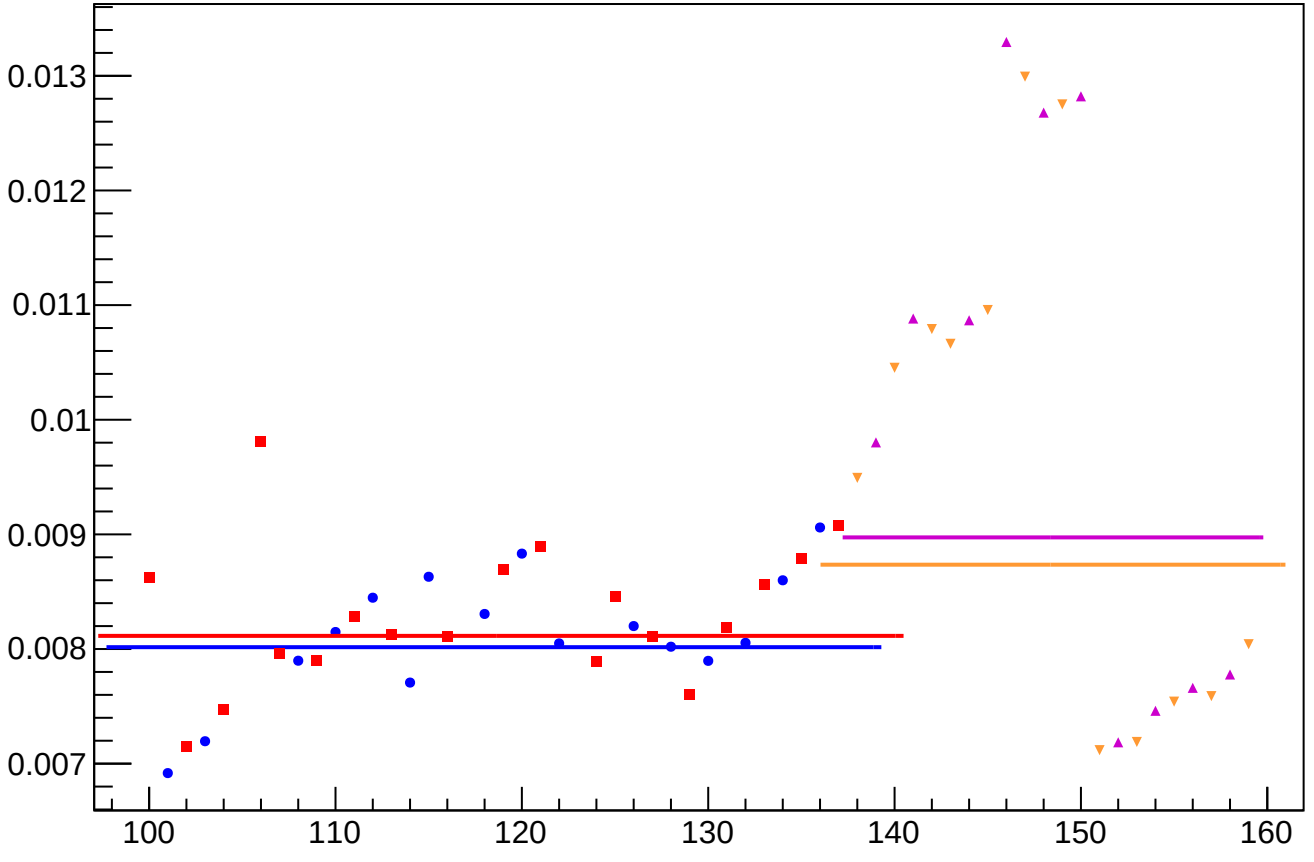
All: -0.182+/-0.000 χ^2/NDF: 33819514902.1/

- sign -0.193+/-0.000 χ^2/NDF: 13780482545.5/28


yield_bpm0i02X_rms vs Slug
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 85159.0/15
Left Out: 0.006+/-0.000 χ²/NDF:101185.7/11
Right Out: 0.007+/-0.000 χ²/NDF: 99819.4/18
Left In: 0.006+/-0.000 χ²/NDF:175472.2/9
+ sign 0.006+/-0.000 χ²/NDF: 574097.9/27
All: 0.006+/-0.000 χ²/NDF: 1126032.2/56
- sign 0.006+/-0.000 χ²/NDF: 547699.3/28


yield_bpm0i02Y_mean vs Slug
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
110
120
130
140
150
160
Right In: -3.472+/-0.000 χ²/NDF: 29592353445.4/15
Left Out: -2.459+/-0.000 χ²/NDF:1570963178.4/11
Right Out: -3.511+/-0.000 χ²/NDF: 29716501733.6/18
Left In: -2.535+/-0.000 χ²/NDF:1272814656.0/9
+ sign -2.960+/-0.000 χ²/NDF: 87607802393.5/27
All: -3.005+/-0.000 χ²/NDF: 167801484498.1
- sign -3.054+/-0.000 χ²/NDF: 79262898394.5/28

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

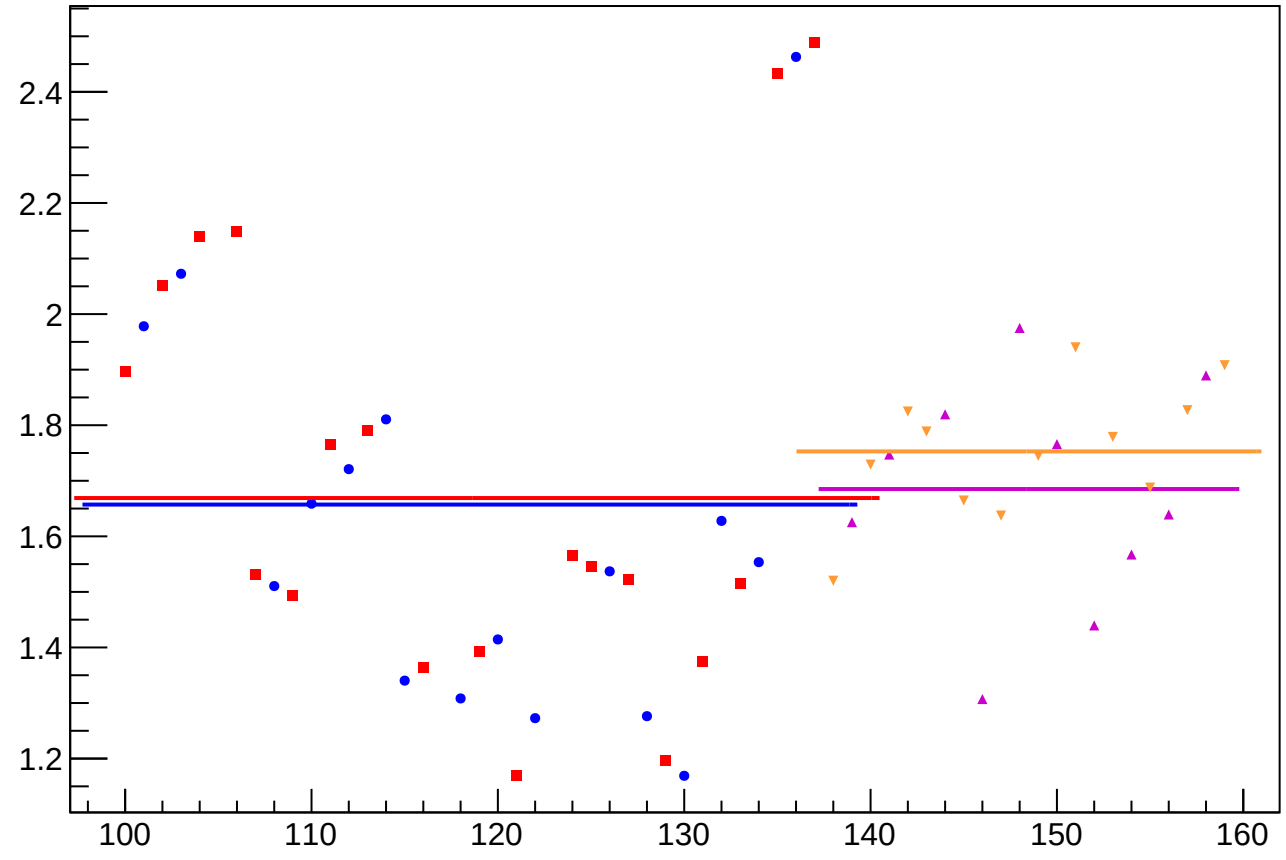
Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:781603.1/9

+ sign 0.008+/-0.000 χ^2/NDF: 858182.0/27

All: 0.008+/-0.000 χ^2/NDF: 1789619.8/56

- sign 0.009+/-0.000 χ^2/NDF: 927441.8/28



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.753+/-0.000 χ^2/NDF:911447855.5/11

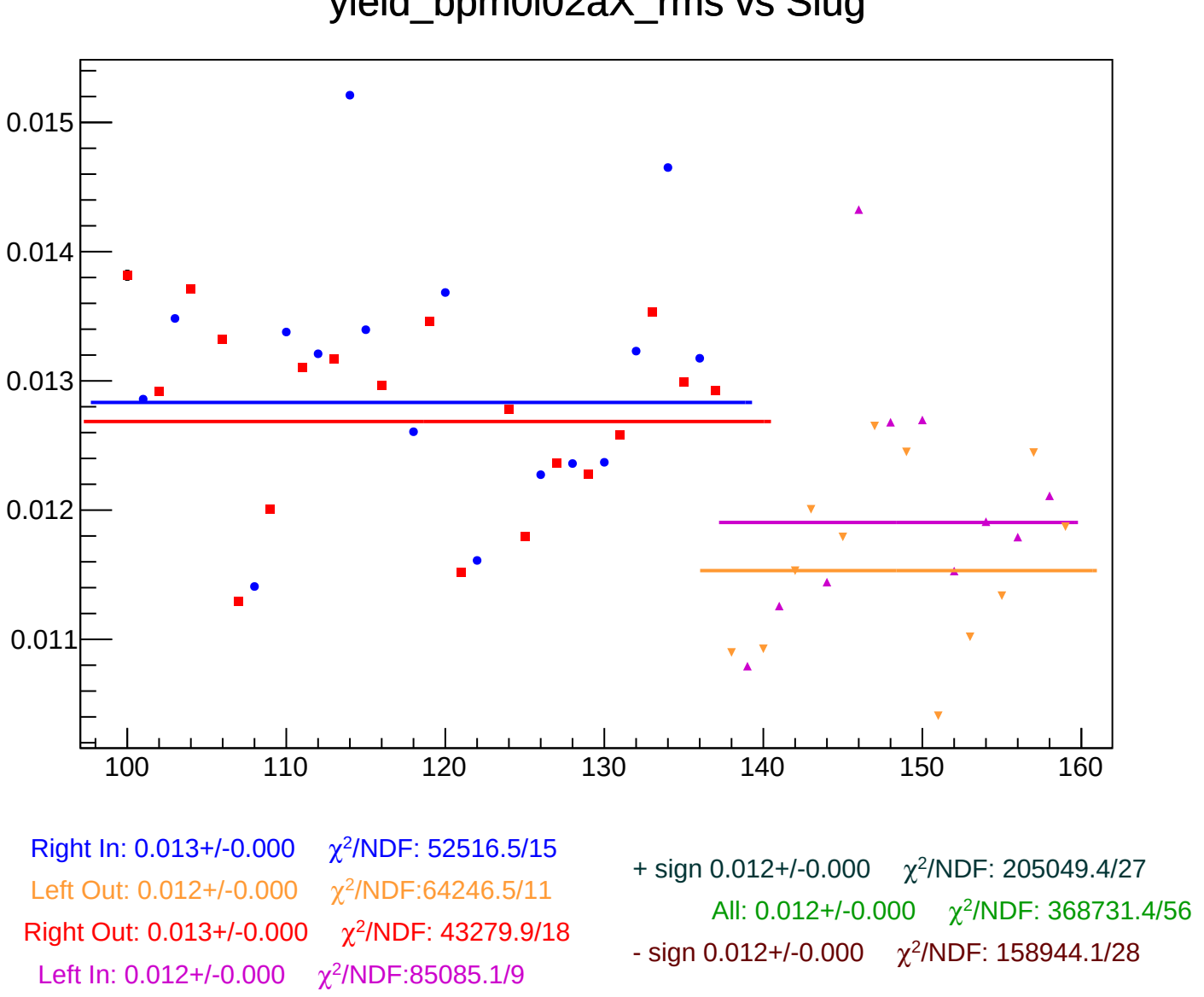
Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

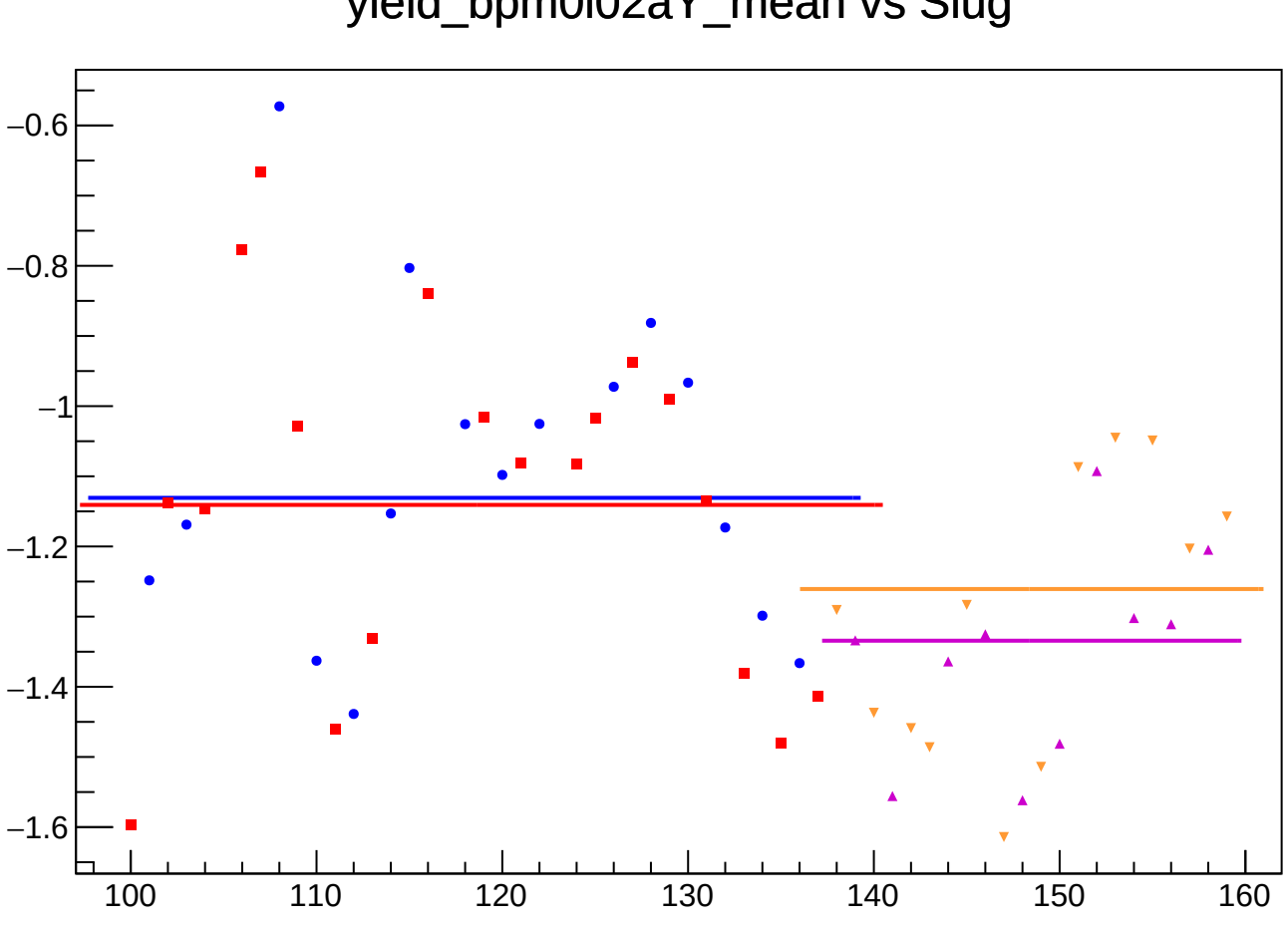
Left In: 1.685+/-0.000 χ^2/NDF:1811735897.8/9

+ sign 1.716+/-0.000 χ^2/NDF: 7816159121.1/27

All: 1.698+/-0.000 χ^2/NDF: 16067088070.8/5

- sign 1.678+/-0.000 χ^2/NDF: 8175910558.2/28


yield_bpm0i02aX_rms vs Slug
0.015
0.014
0.013
0.012
0.011
100
110
120
130
140
150
160
Right In: 0.013+/-0.000 χ²/NDF: 52516.5/15
Left Out: 0.012+/-0.000 χ²/NDF:64246.5/11
Right Out: 0.013+/-0.000 χ²/NDF: 43279.9/18
Left In: 0.012+/-0.000 χ²/NDF:85085.1/9
+ sign 0.012+/-0.000 χ²/NDF: 205049.4/27
All: 0.012+/-0.000 χ²/NDF: 368731.4/56
- sign 0.012+/-0.000 χ²/NDF: 158944.1/28



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.261+/-0.000 χ^2/NDF:4047238181.7/11

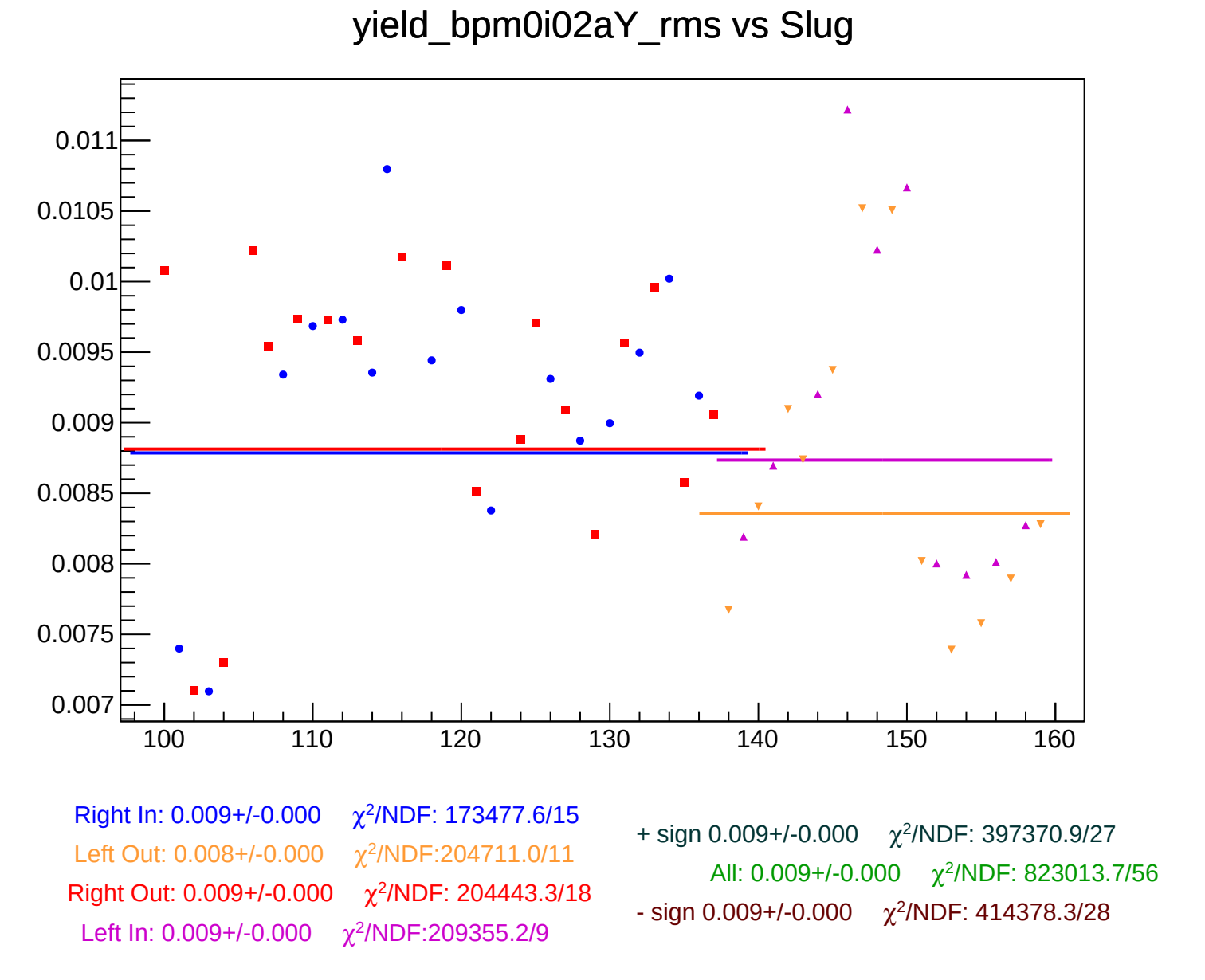
Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

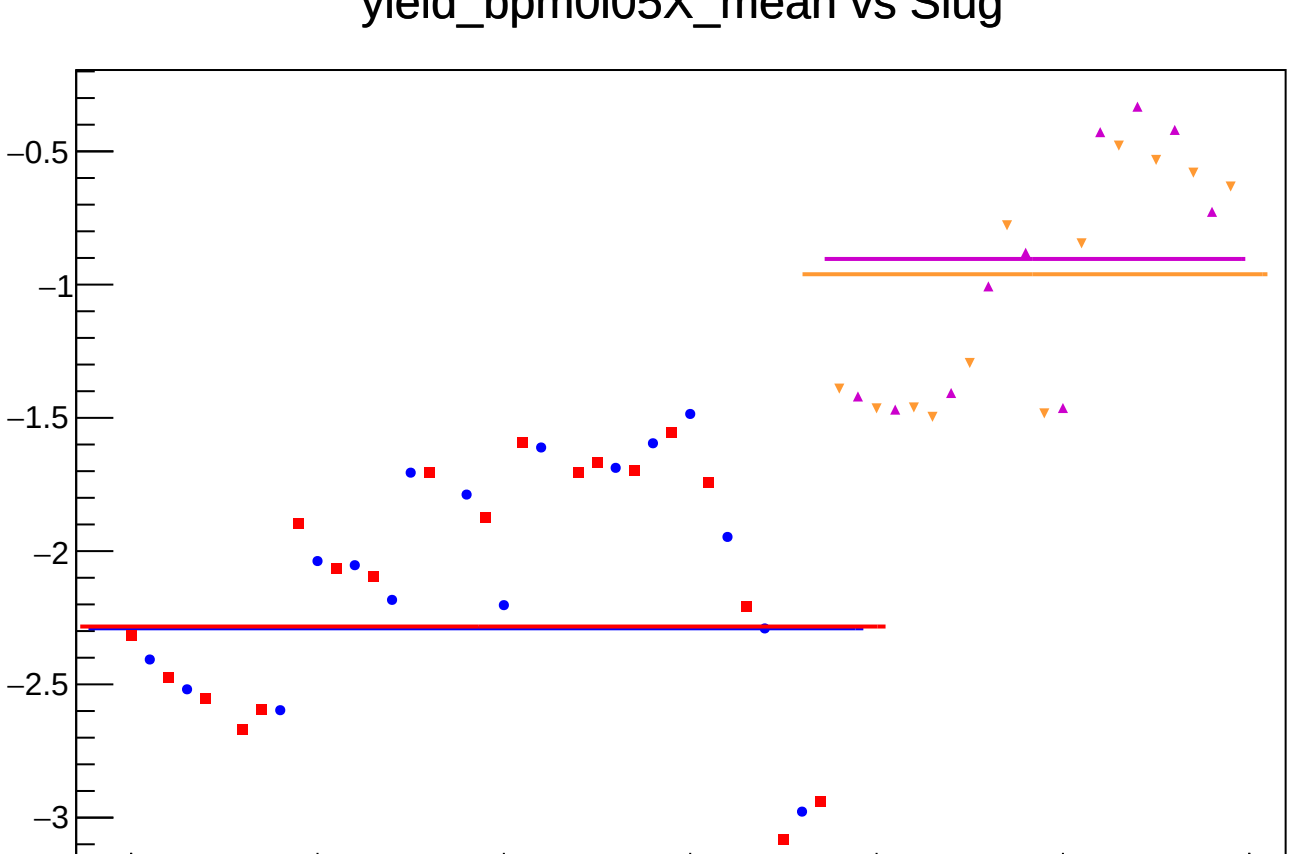
Left In: -1.334+/-0.000 χ^2/NDF:2004721449.3/9

+ sign -1.206+/-0.000 χ^2/NDF: 8708161853.5/27

All: -1.224+/-0.000 χ^2/NDF: 16197089834.3/

- sign -1.244+/-0.000 χ^2/NDF: 7341781506.1/28


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:209355.2/9
+ sign 0.009+/-0.000 χ²/NDF: 397370.9/27
All: 0.009+/-0.000 χ²/NDF: 823013.7/56
- sign 0.009+/-0.000 χ²/NDF: 414378.3/28



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

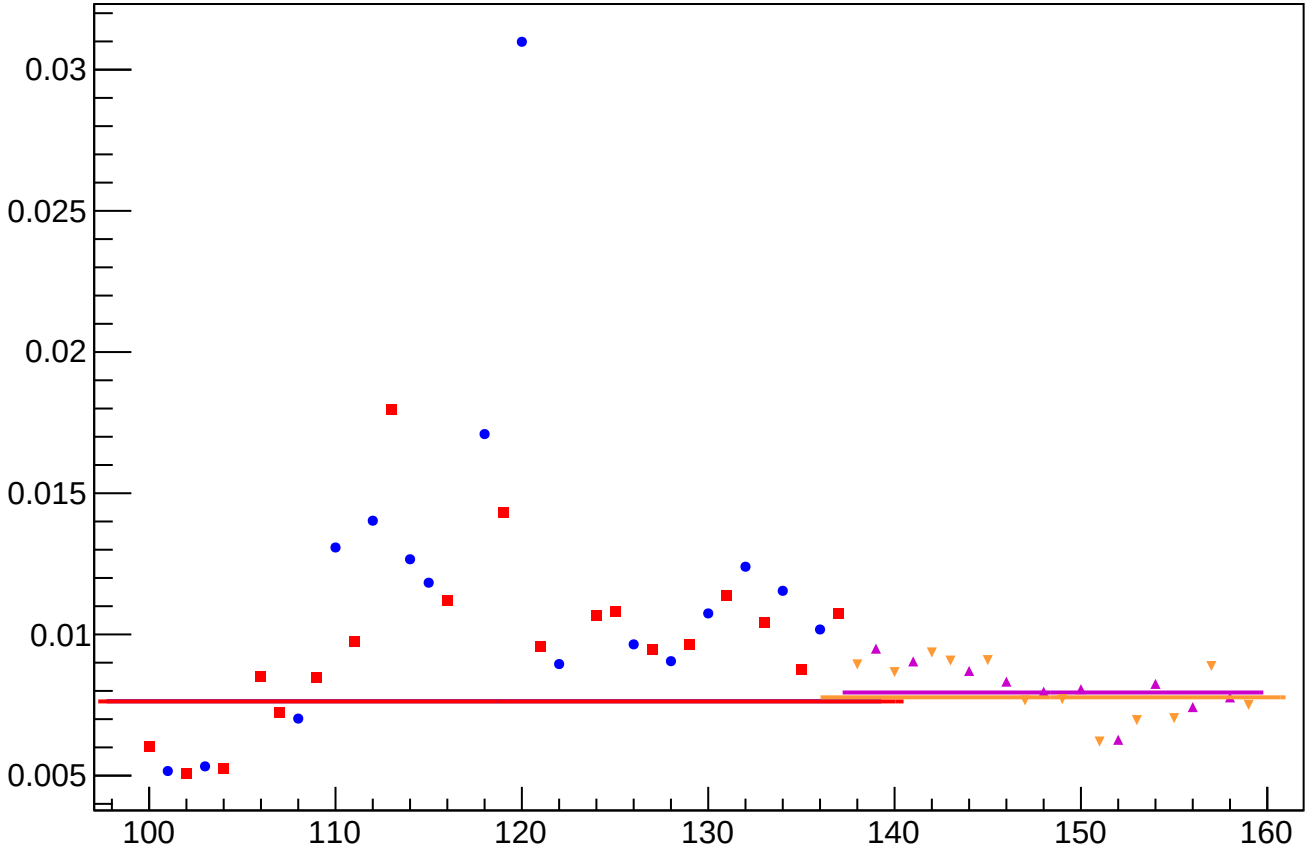
Left In: -0.904+/-0.000 χ^2/NDF:23182666449.6/9

+ sign -1.485+/-0.000 χ^2/NDF: 129813008158.8/27

All: -1.501+/-0.000 χ^2/NDF: 270812152008.

- sign -1.517+/-0.000 χ^2/NDF: 140891261150.2/28

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:268582.4/11

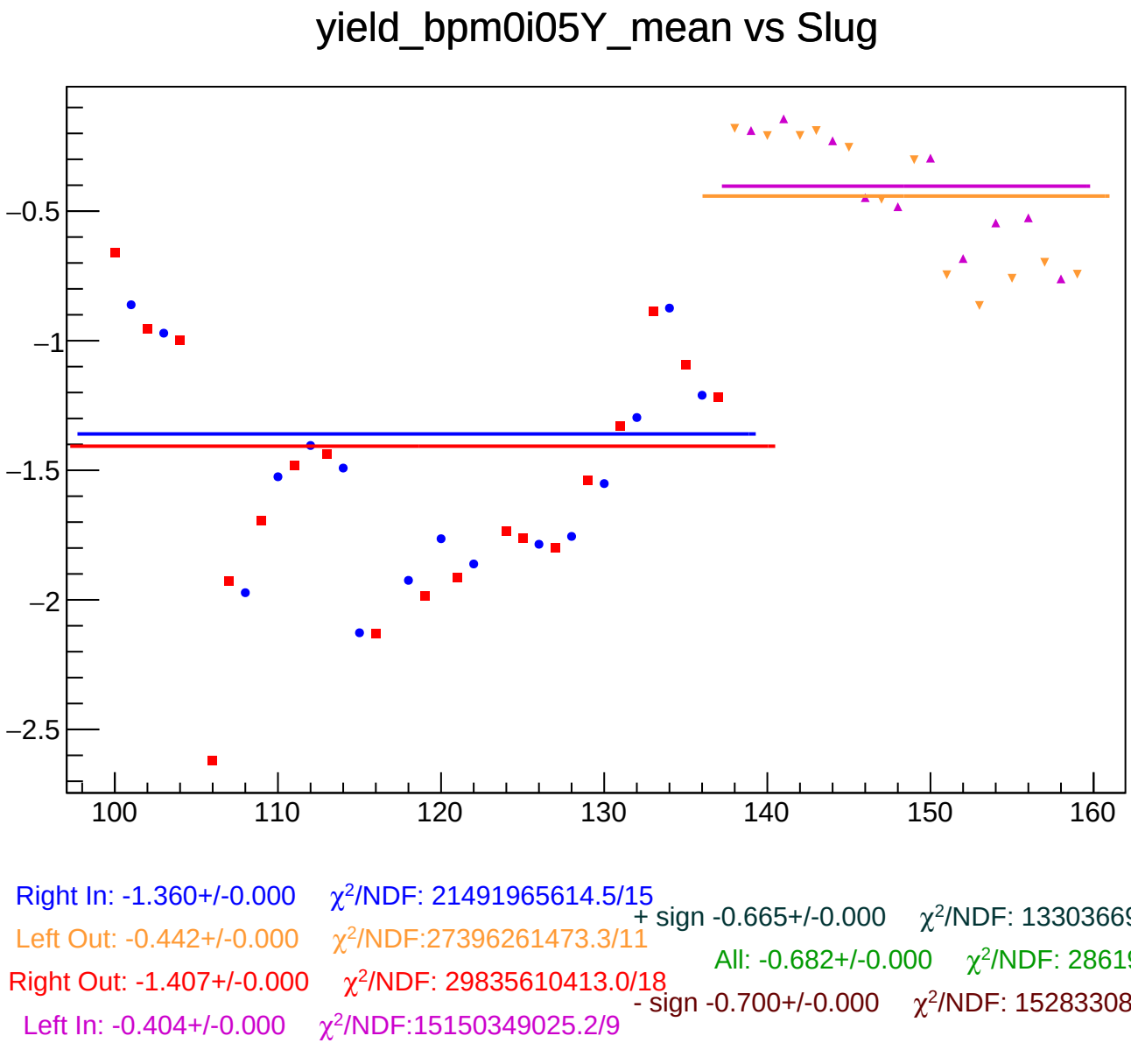
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:200950.5/9

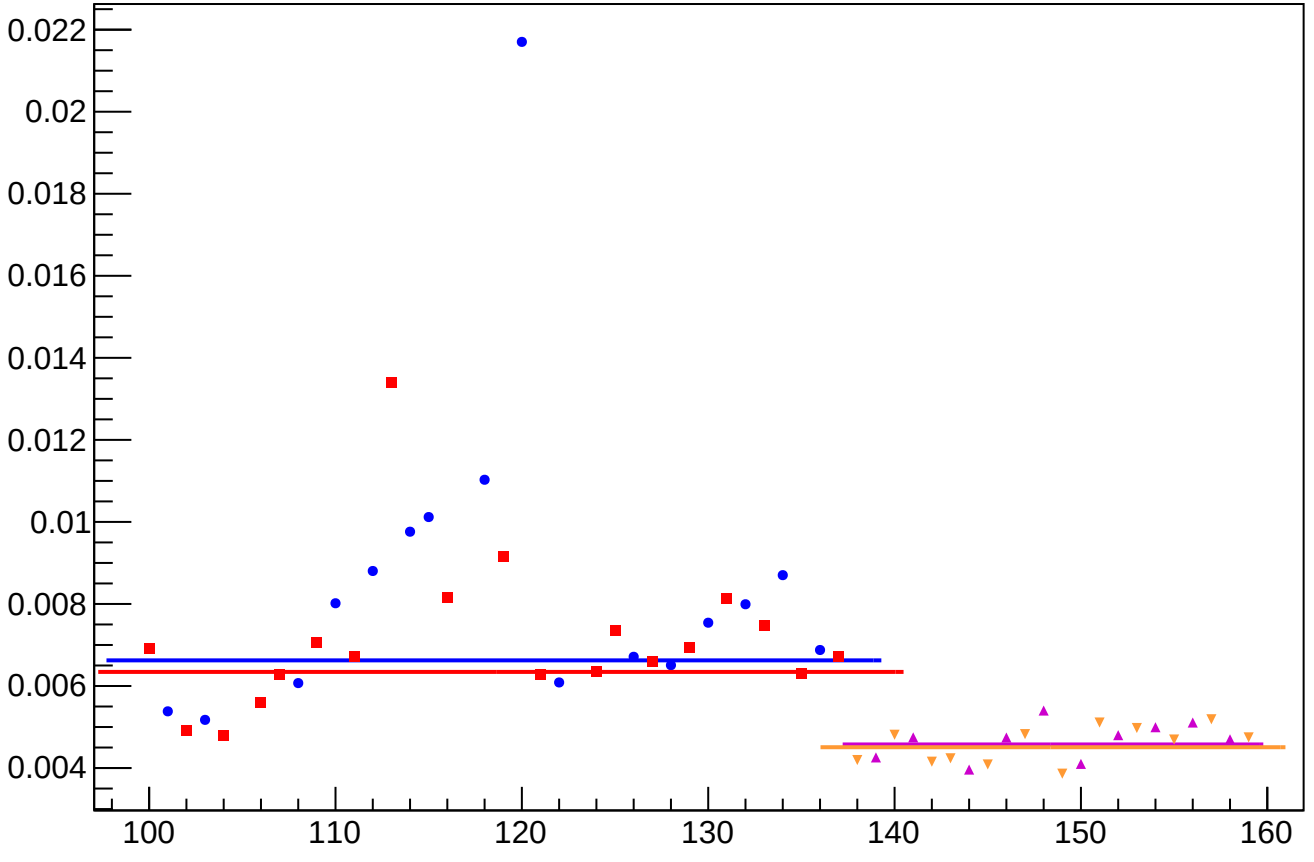
+ sign 0.008+/-0.000 χ^2/NDF: 1981453.4/27

All: 0.008+/-0.000 χ^2/NDF: 3512353.8/56

- sign 0.008+/-0.000 χ^2/NDF: 1529298.9/28


yield_bpm0i05Y_mean vs Slug
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.442+/-0.000 χ²/NDF:27396261473.3/11
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.404+/-0.000 χ²/NDF:15150349025.2/9
+ sign -0.665+/-0.000 χ²/NDF: 133036696841.1/27
All: -0.682+/-0.000 χ²/NDF: 286199725664.1
- sign -0.700+/-0.000 χ²/NDF: 152833087064.0/28

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

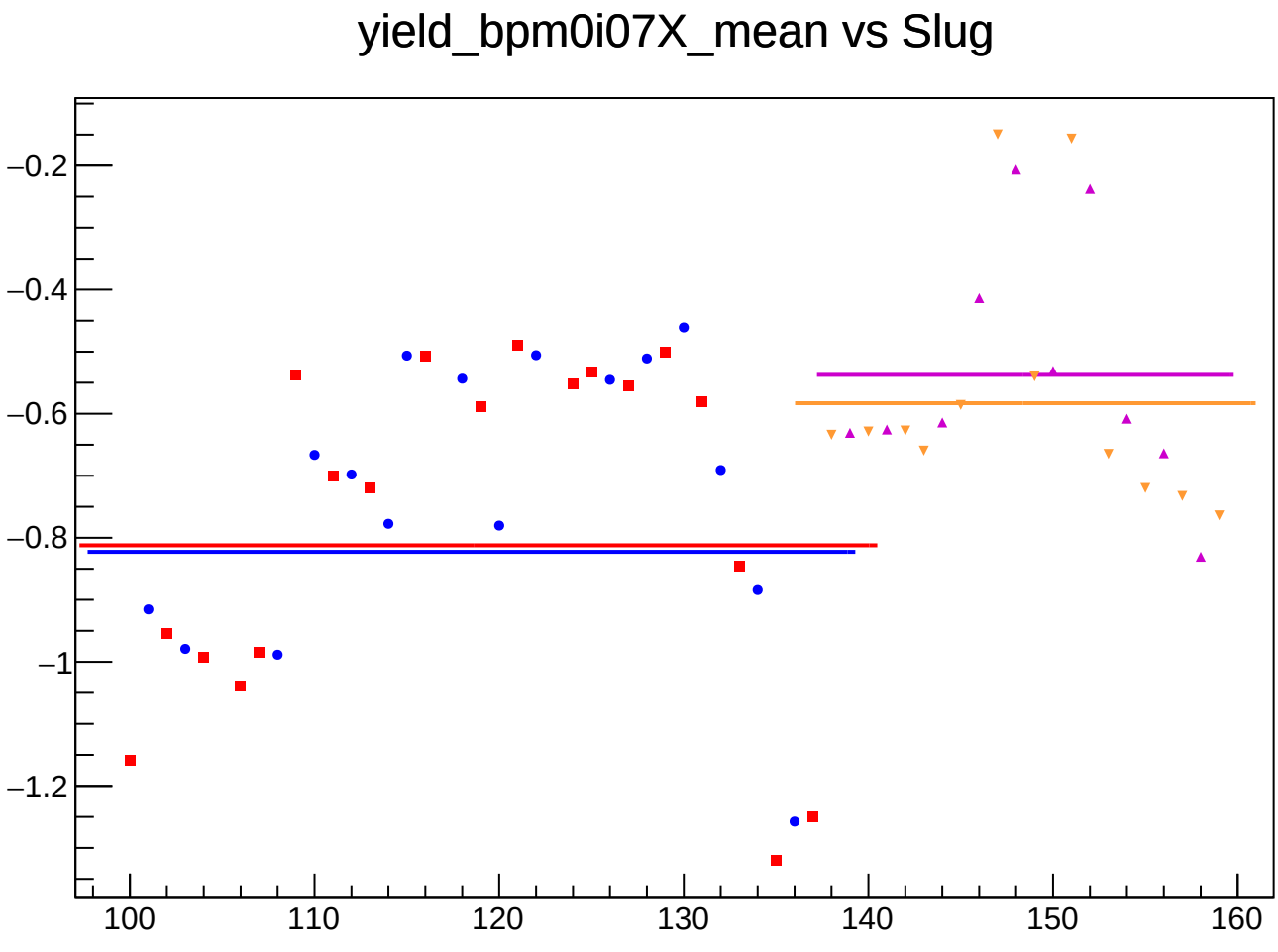
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:134122.1/9

+ sign 0.005+/-0.000 χ^2/NDF: 1739638.6/27

All: 0.005+/-0.000 χ^2/NDF: 3076095.6/56

- sign 0.005+/-0.000 χ^2/NDF: 1333409.3/28



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

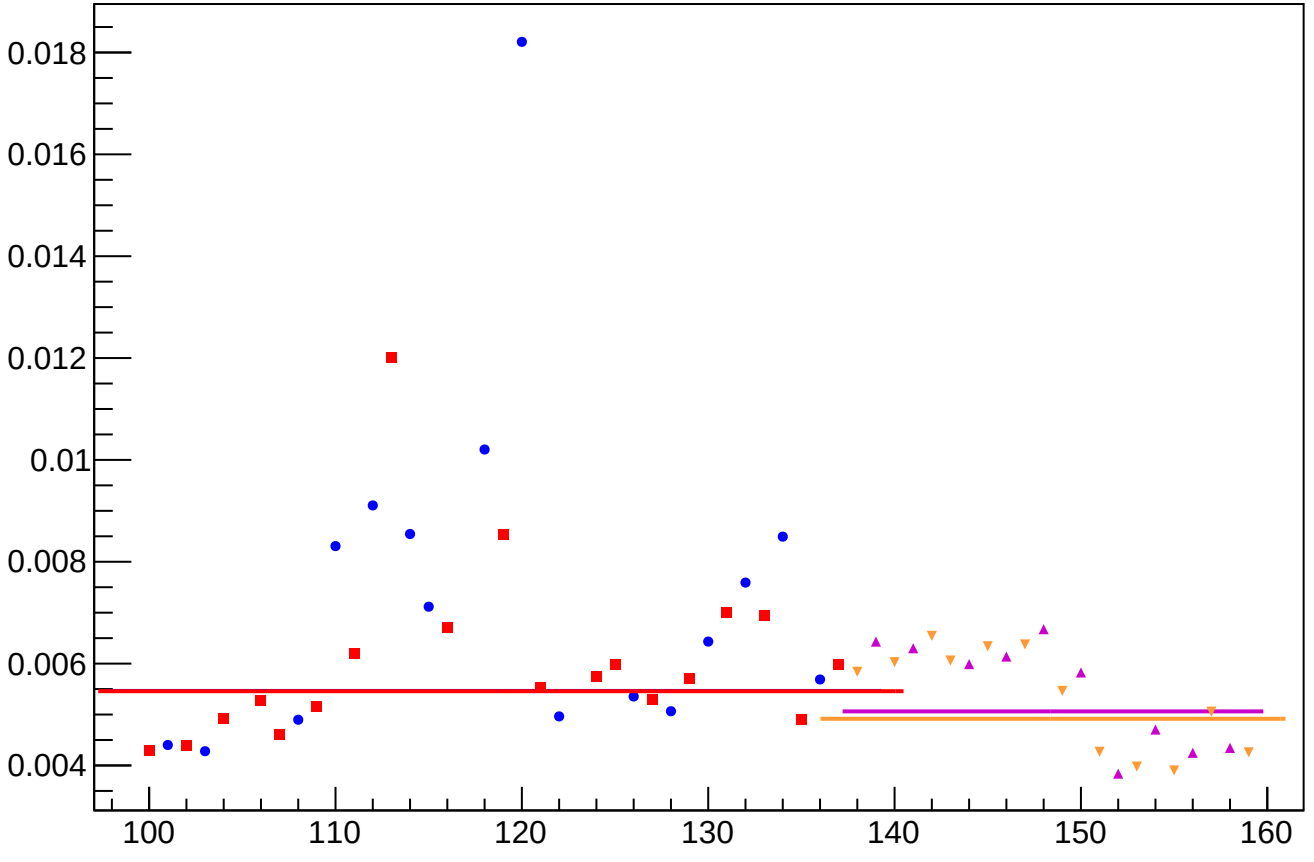
Left In: -0.537+/-0.000 χ^2/NDF:11785908554.3/9

+ sign -0.669+/-0.000 χ^2/NDF: 33064653749.0/27

All: -0.660+/-0.000 χ^2/NDF: 68735349686.6/

- sign -0.650+/-0.000 χ^2/NDF: 35584022571.4/28

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

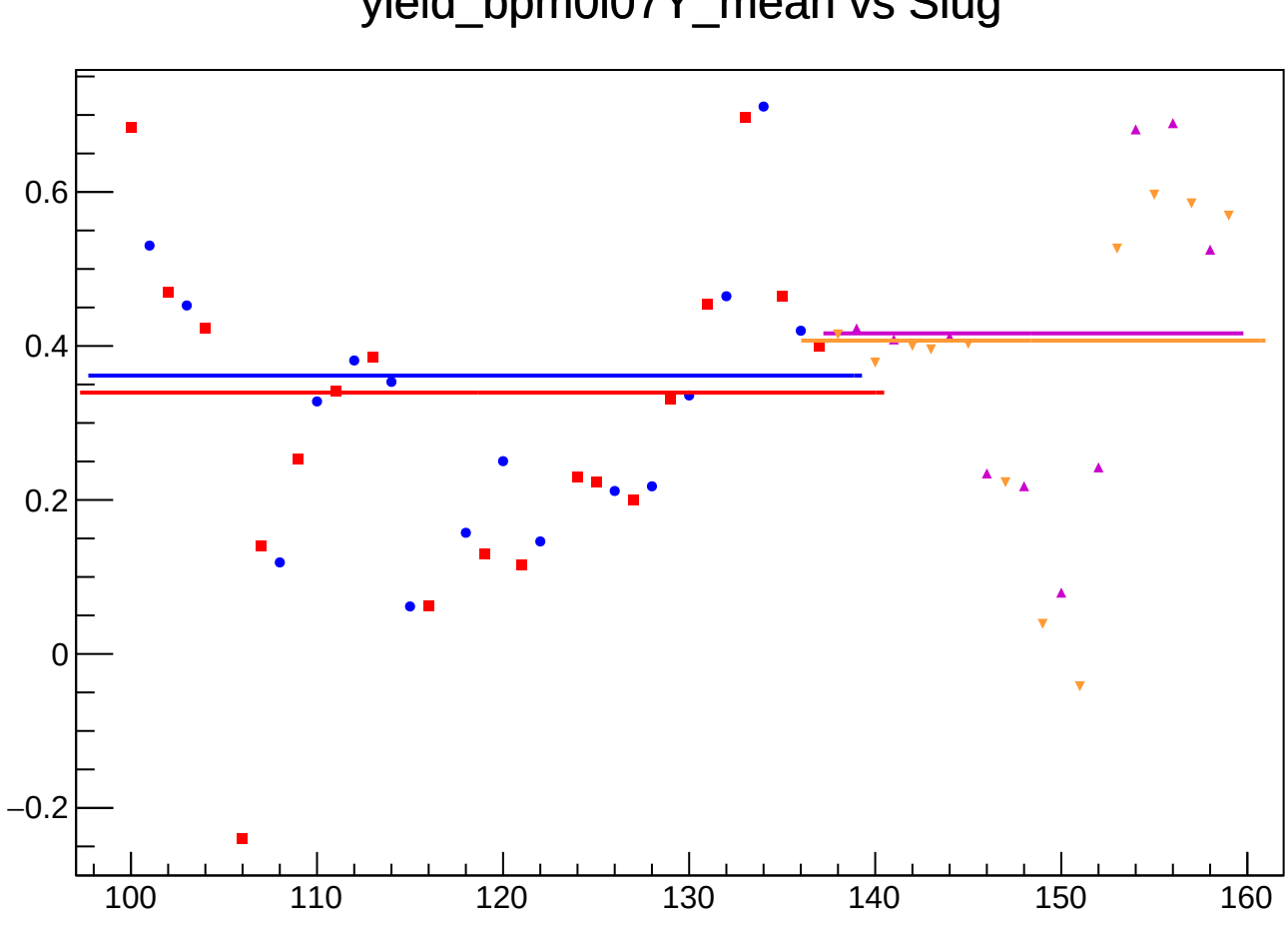
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:593613.5/9

+ sign 0.005+/-0.000 χ^2/NDF: 1629176.4/27

All: 0.005+/-0.000 χ^2/NDF: 2774265.4/56

- sign 0.005+/-0.000 χ^2/NDF: 1138725.6/28



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

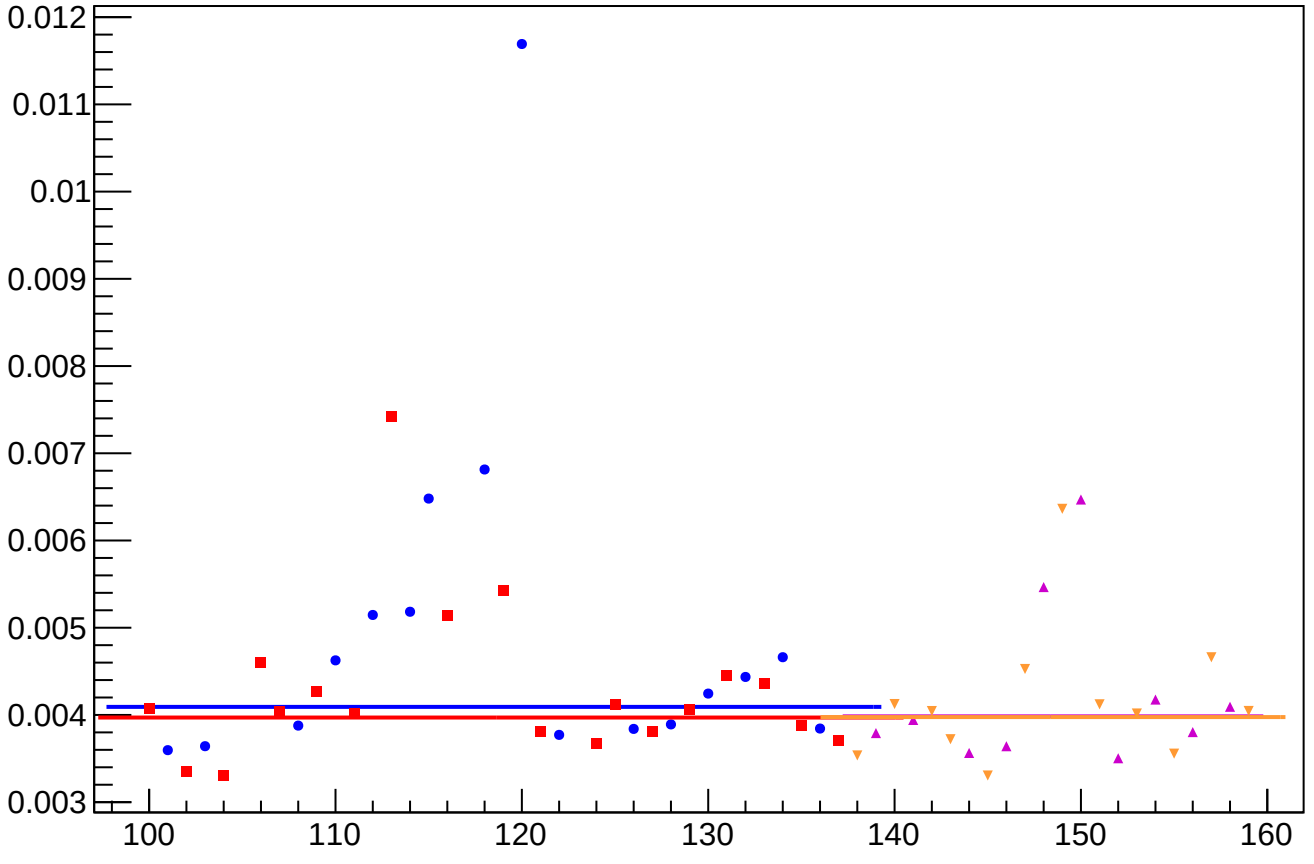
Left In: 0.416+/-0.000 χ^2/NDF:13393506521.9/9

+ sign 0.387+/-0.000 χ^2/NDF: 25191446602.7/27

All: 0.382+/-0.000 χ^2/NDF: 51892156654.1/5

- sign 0.378+/-0.000 χ^2/NDF: 26670268050.4/28

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:364793.9/9

+ sign 0.004+/-0.000 χ^2/NDF: 822722.6/27

All: 0.004+/-0.000 χ^2/NDF: 1503393.7/56

- sign 0.004+/-0.000 χ^2/NDF: 678570.0/28

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

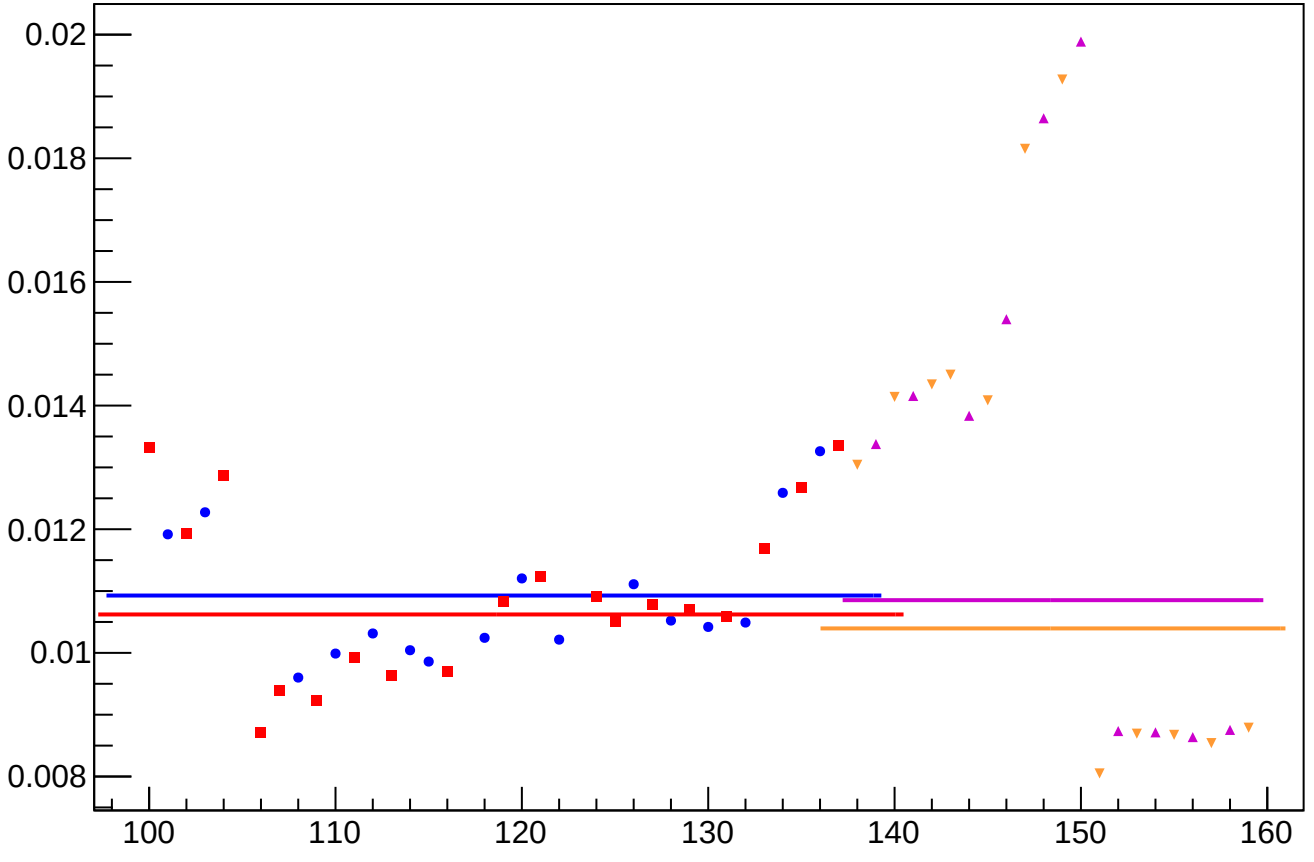
Left In: -2.351+/-0.000 χ^2/NDF:1264564791.6/9

+ sign -1.375+/-0.000 χ^2/NDF: 177571576335.1/27

All: -1.313+/-0.000 χ^2/NDF: 352221457876.1

- sign -1.248+/-0.000 χ^2/NDF: 173541378096.2/28

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

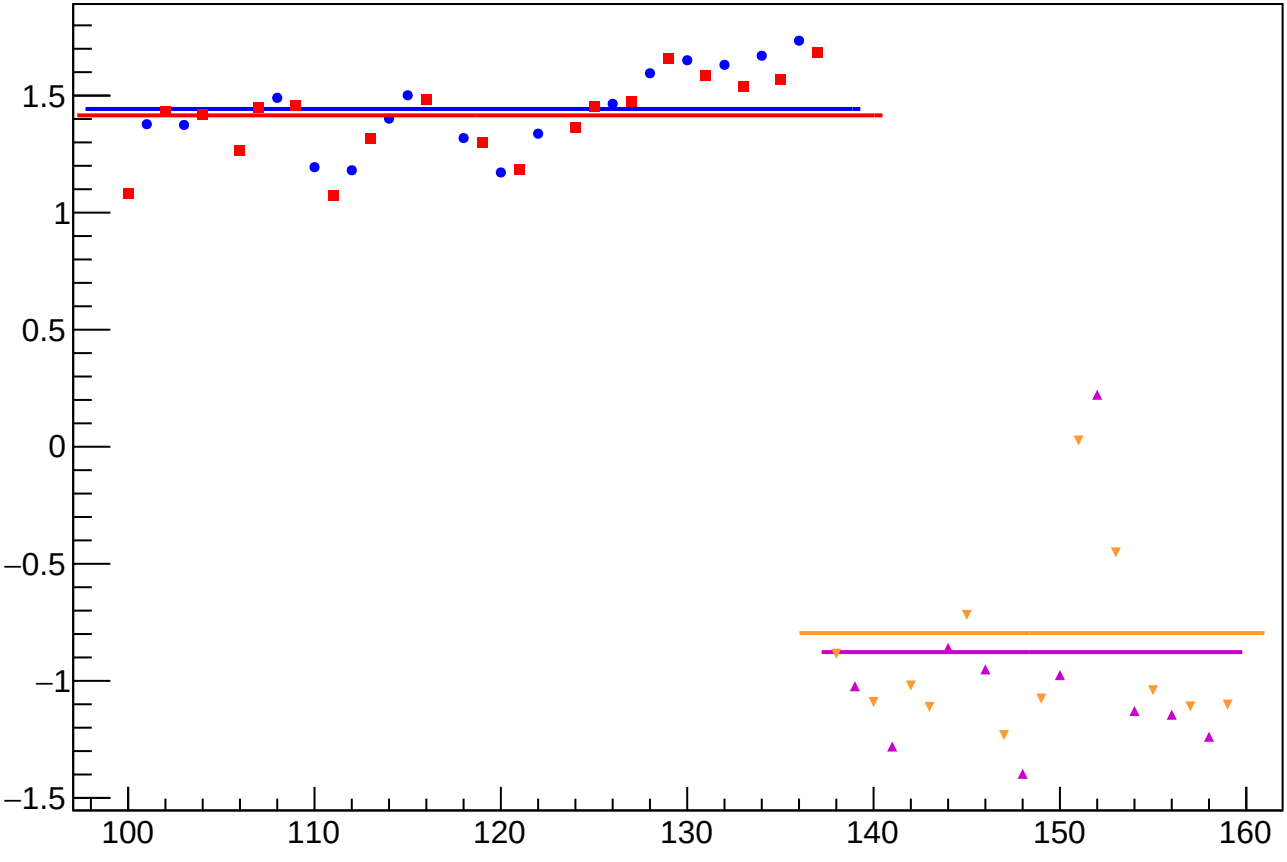
Left In: 0.011+/-0.000 χ^2/NDF:1468175.3/9

+ sign 0.011+/-0.000 χ^2/NDF: 1697949.1/27

All: 0.011+/-0.000 χ^2/NDF: 3362039.0/56

- sign 0.011+/-0.000 χ^2/NDF: 1662245.3/28

yield_bpm1i02Y_mean vs Slug



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

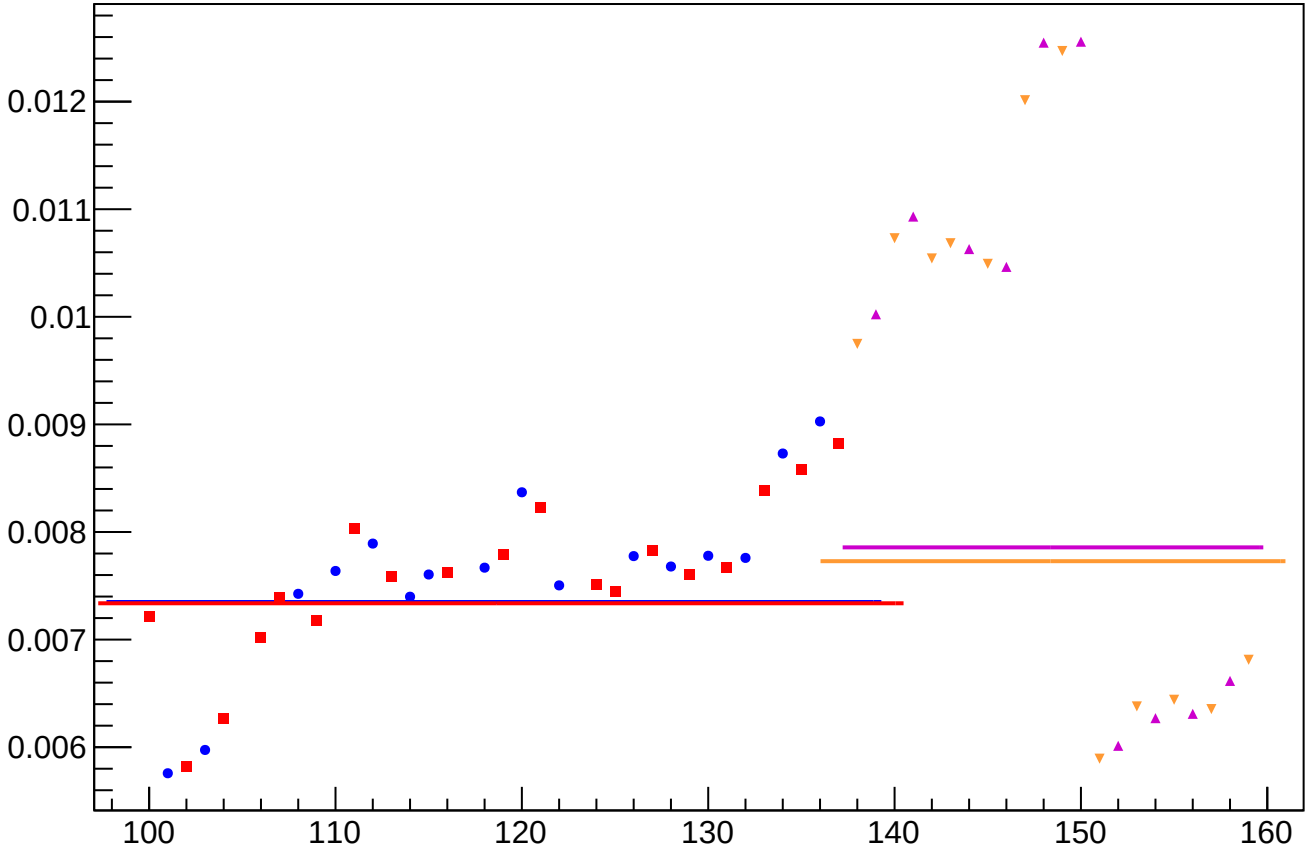
Left In: -0.877+/-0.000 χ^2/NDF:37231822211.2/9

+ sign 0.258+/-0.000 χ^2/NDF: 377065213449.2/27

All: 0.279+/-0.000 χ^2/NDF: 766963685894.7

- sign 0.302+/-0.000 χ^2/NDF: 389637638982.1/28

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

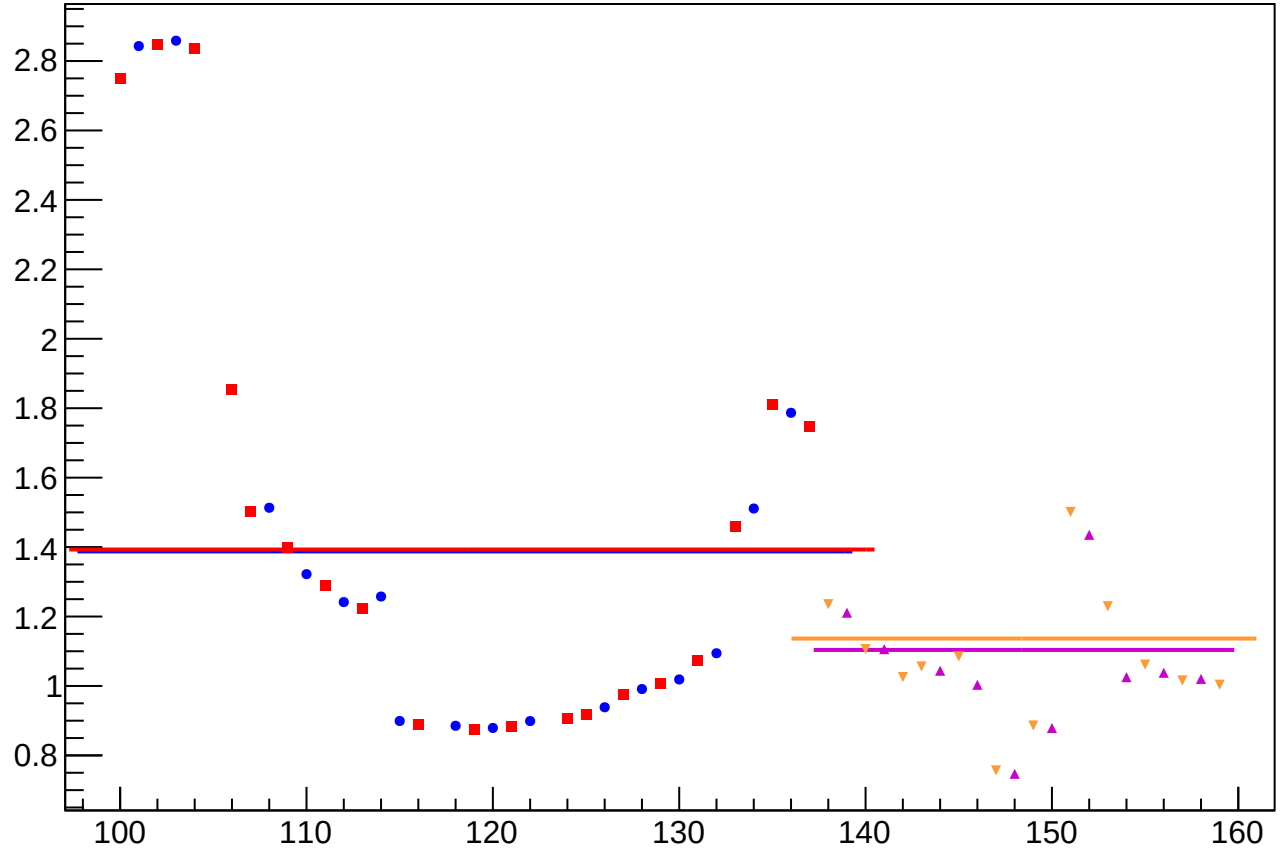
Left In: 0.008+/-0.000 χ^2/NDF:1368412.8/9

+ sign 0.008+/-0.000 χ^2/NDF: 1644643.4/27

All: 0.008+/-0.000 χ^2/NDF: 3244770.2/56

- sign 0.008+/-0.000 χ^2/NDF: 1599697.6/28

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

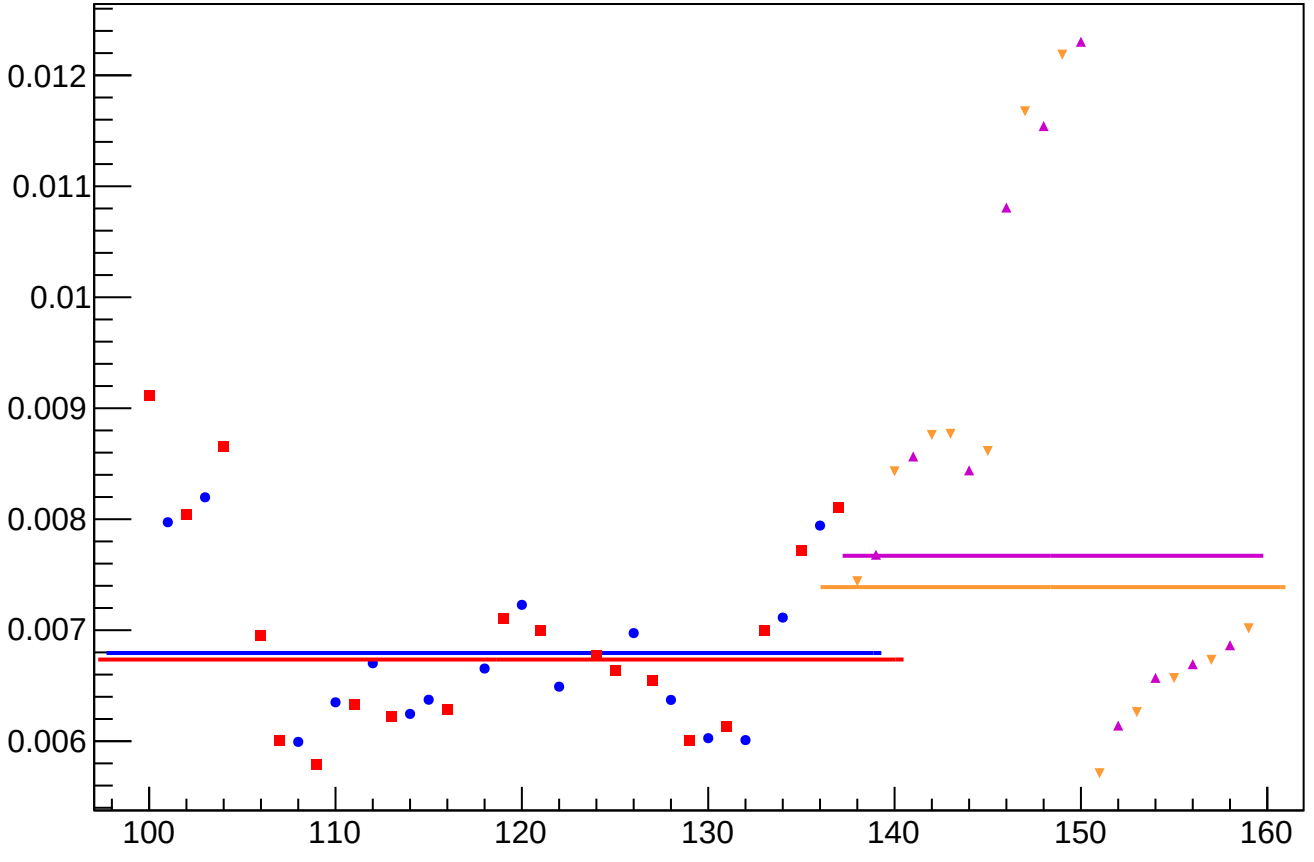
Left In: 1.104+/-0.000 χ^2/NDF:4137220077.4/9

+ sign 1.259+/-0.000 χ^2/NDF: 68863196706.8/27

All: 1.260+/-0.000 χ^2/NDF: 134559429262.2

- sign 1.261+/-0.000 χ^2/NDF: 65695888859.7/28

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

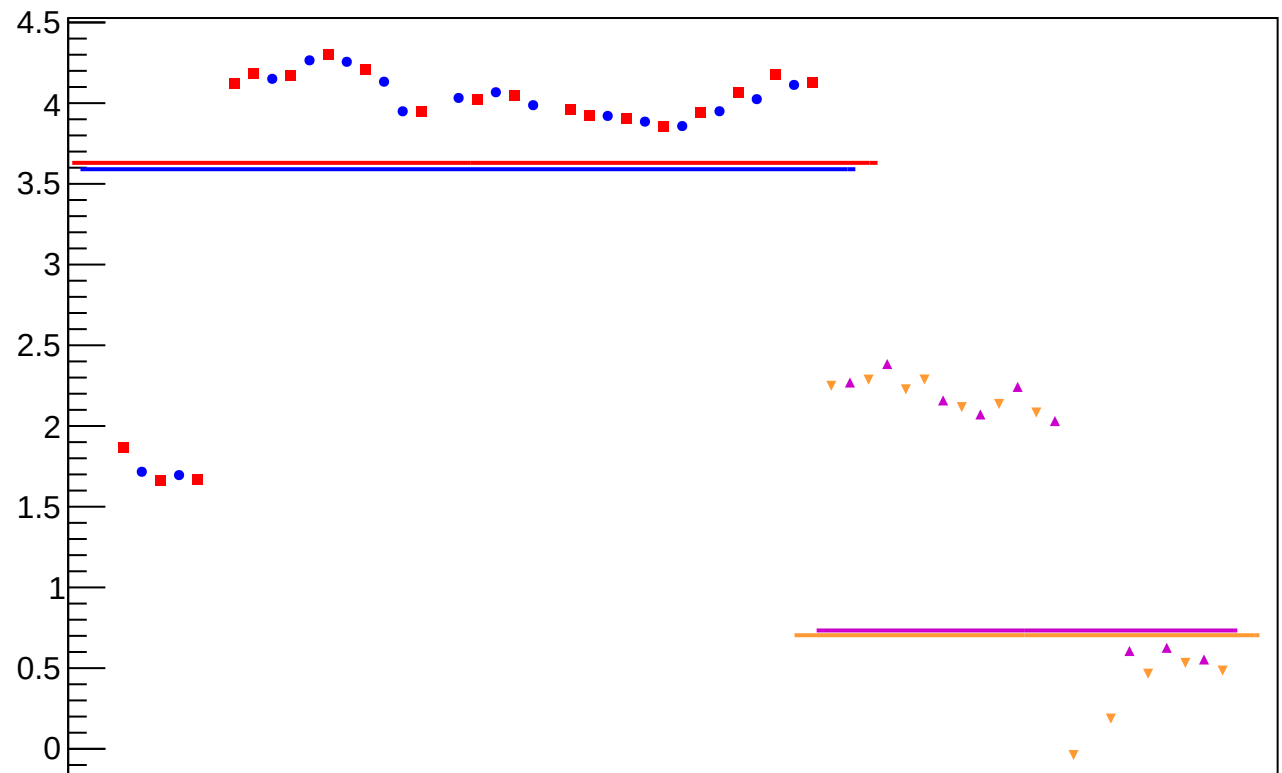
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:793371.4/9

+ sign 0.007+/-0.000 χ^2/NDF: 1002547.9/27

All: 0.007+/-0.000 χ^2/NDF: 2125125.8/56

- sign 0.007+/-0.000 χ^2/NDF: 1121285.9/28



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

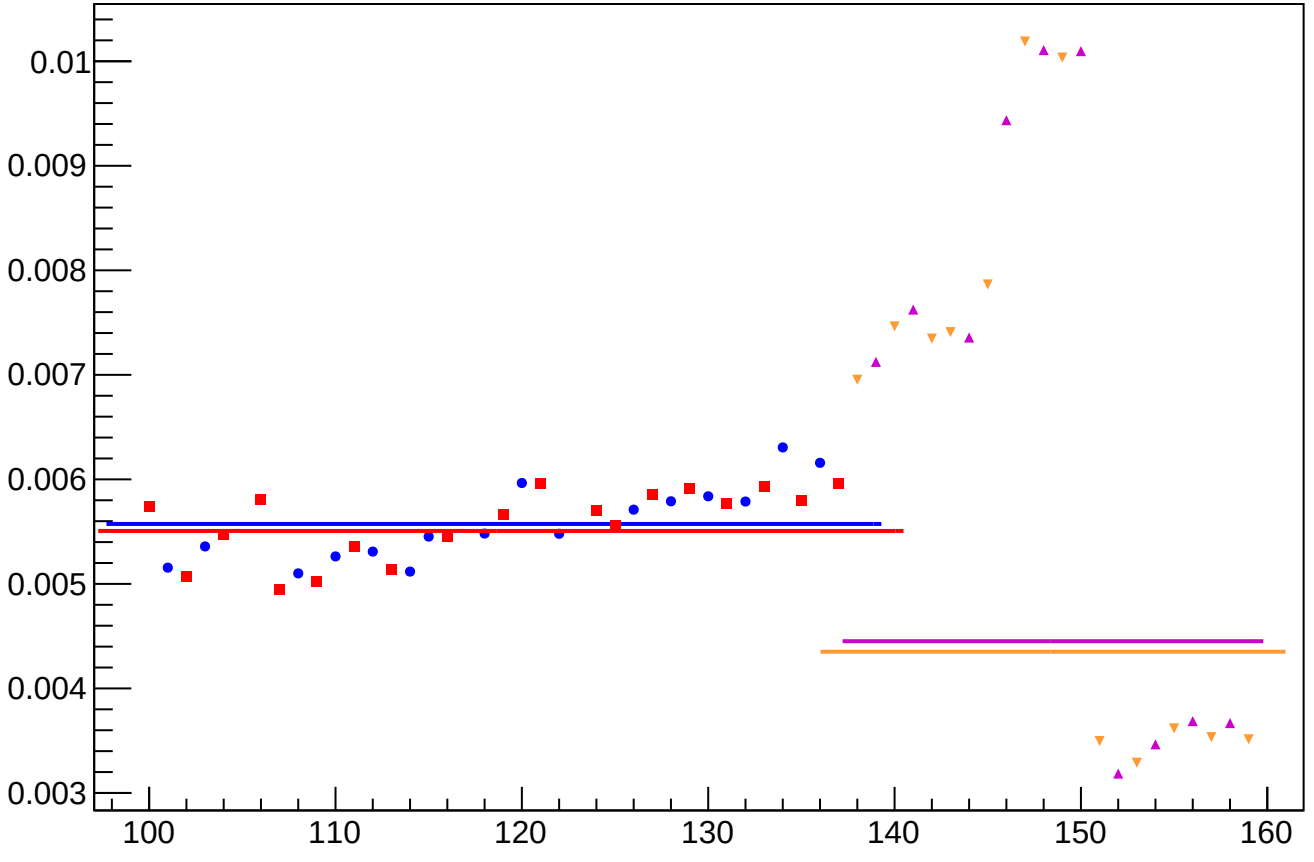
Left In: 0.733+/-0.000 χ^2/NDF:240778663157.5/9

+ sign 1.752+/-0.000 χ^2/NDF: 1669141020574.8/27

All: 1.831+/-0.000 χ^2/NDF: 3326206747834.

- sign 1.916+/-0.000 χ^2/NDF: 1648853350725.4/28

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

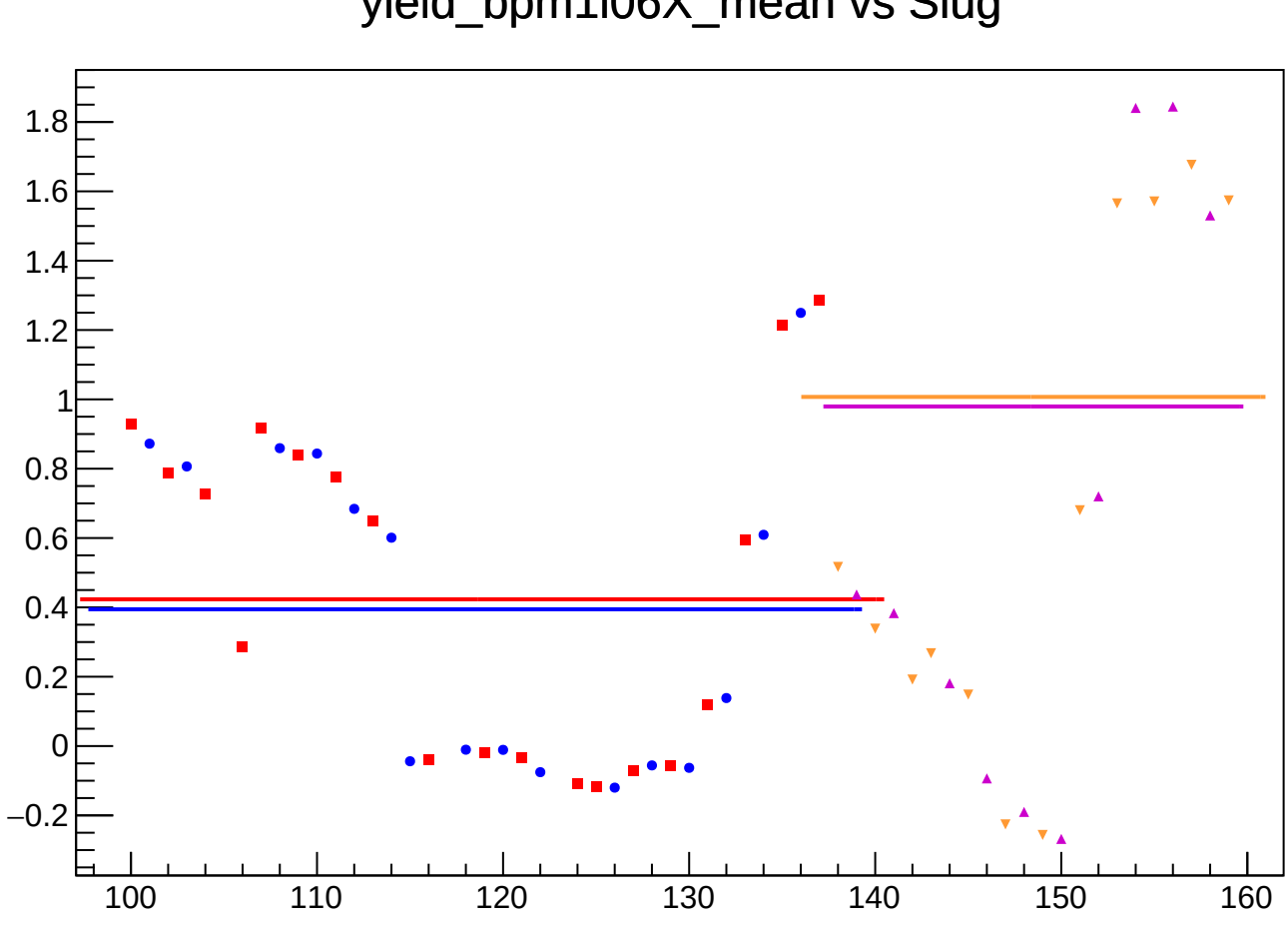
Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2782326.1/9

+ sign 0.005+/-0.000 χ^2/NDF: 3173323.6/27

All: 0.005+/-0.000 χ^2/NDF: 6334814.2/56

- sign 0.005+/-0.000 χ^2/NDF: 3156823.2/28



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

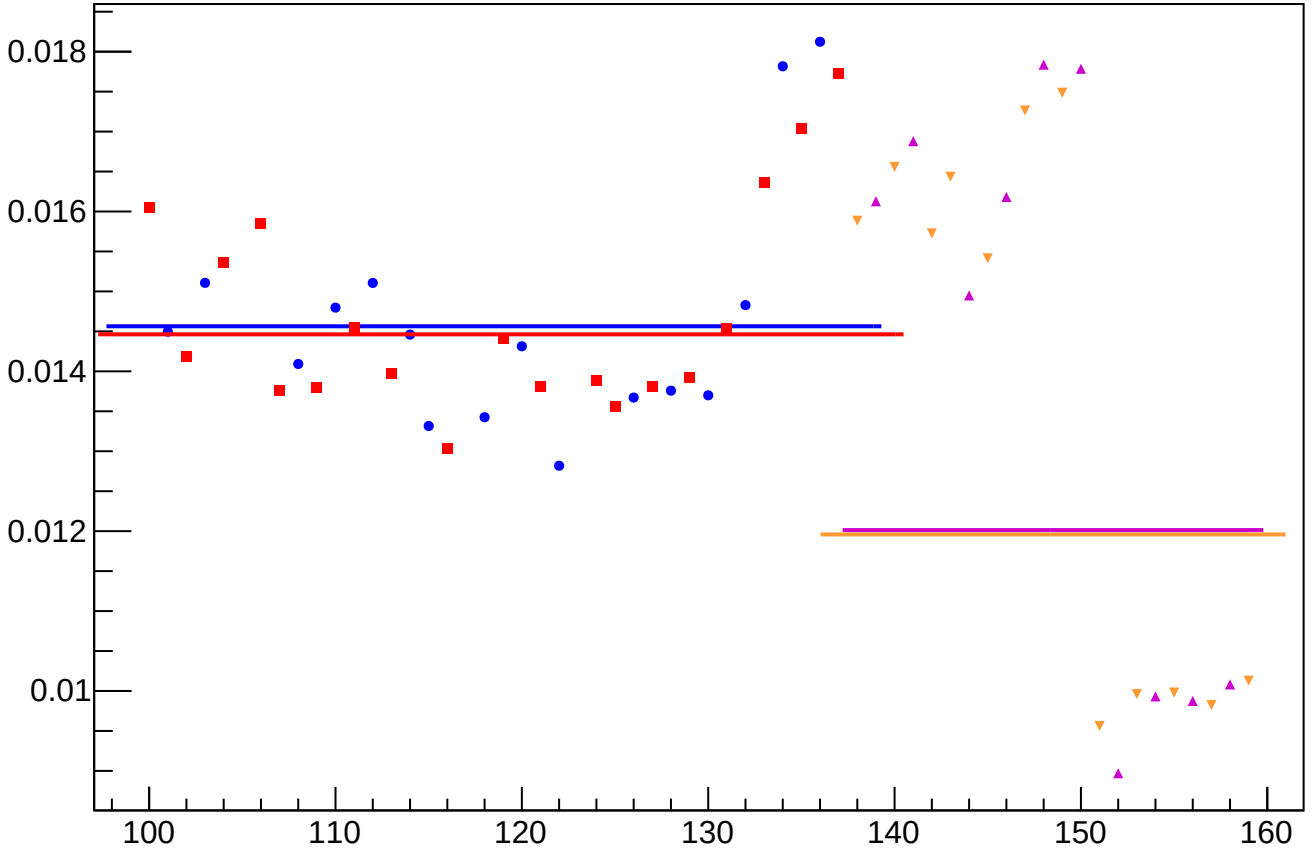
Left In: 0.980+/-0.000 χ^2/NDF:32430342103.3/9

+ sign 0.791+/-0.000 χ^2/NDF: 43902314026.6/27

All: 0.778+/-0.000 χ^2/NDF: 89883050382.1/5

- sign 0.765+/-0.000 χ^2/NDF: 45948759156.0/28

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

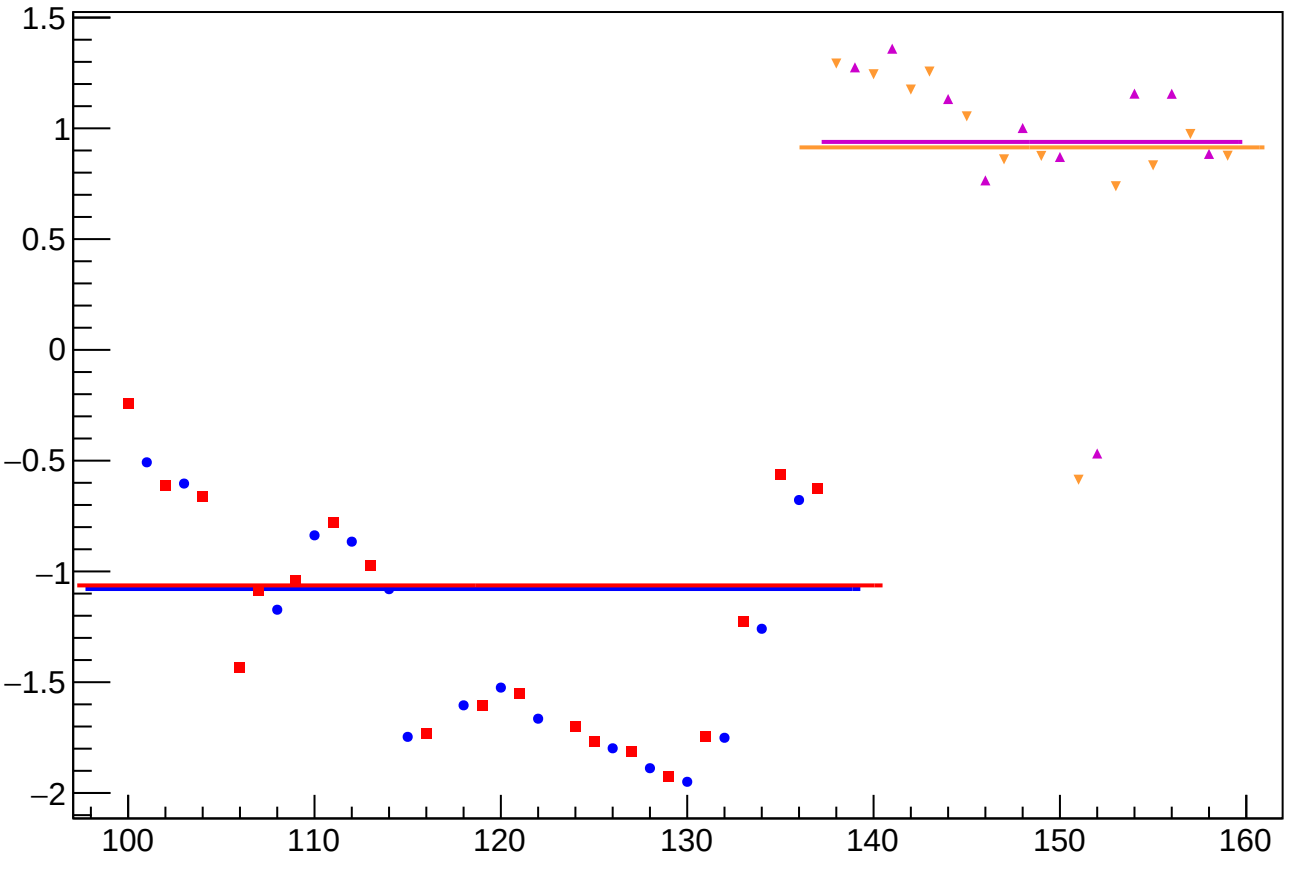
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.012+/-0.000 χ^2/NDF:1214691.2/9

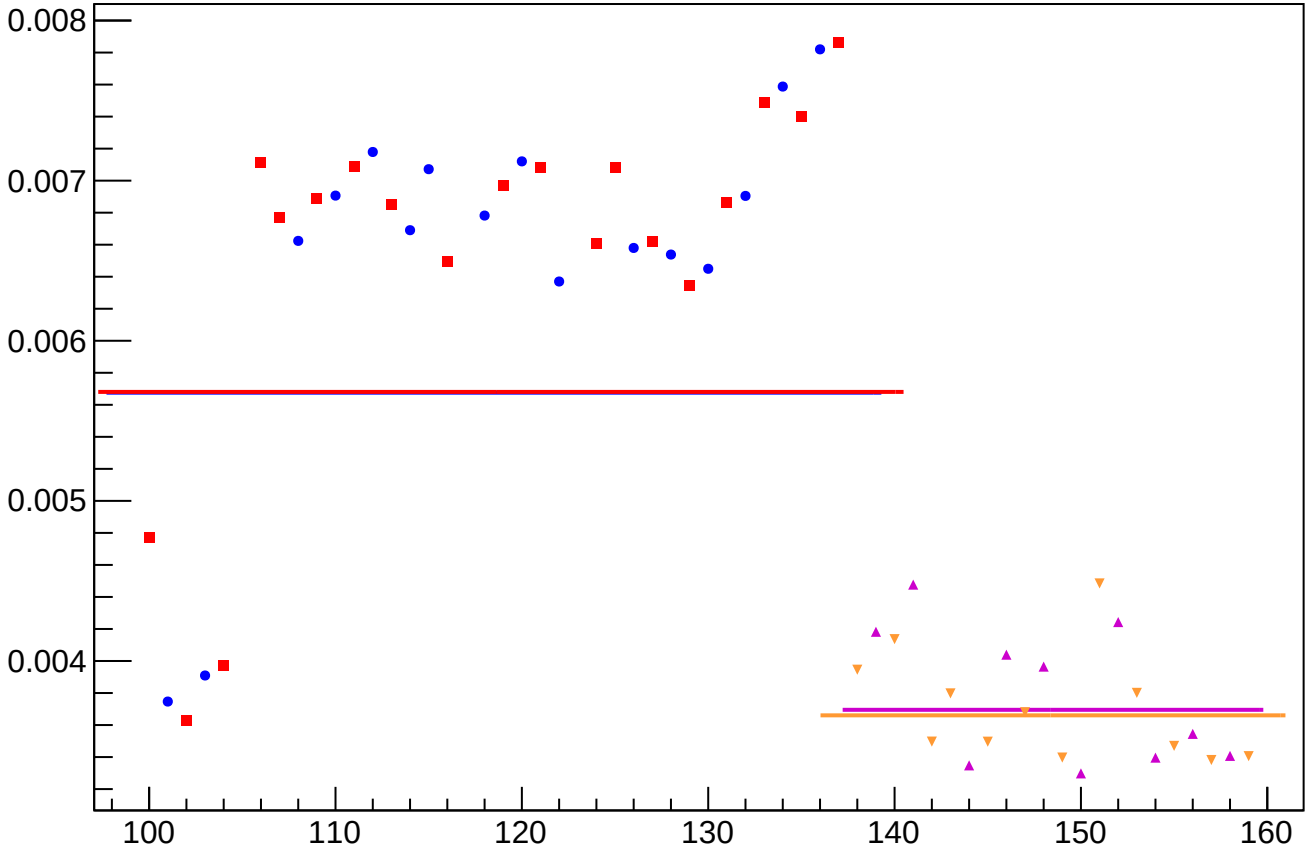
+ sign 0.013+/-0.000 χ^2/NDF: 1578387.4/27

All: 0.013+/-0.000 χ^2/NDF: 3127612.6/56

- sign 0.013+/-0.000 χ^2/NDF: 1548604.1/28


yield_bpm1i06Y_mean vs Slug
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -1.079+/-0.000 χ²/NDF: 59756571764.5/15
Left Out: 0.914+/-0.000 χ²/NDF:98845145527.3/11
Right Out: -1.063+/-0.000 χ²/NDF: 49910403943.5/18
Left In: 0.939+/-0.000 χ²/NDF:111247627870.8/9
+ sign 0.439+/-0.000 χ²/NDF: 756914883547.2/27
All: 0.426+/-0.000 χ²/NDF: 1508072417789.
- sign 0.411+/-0.000 χ²/NDF: 750840860447.4/28

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

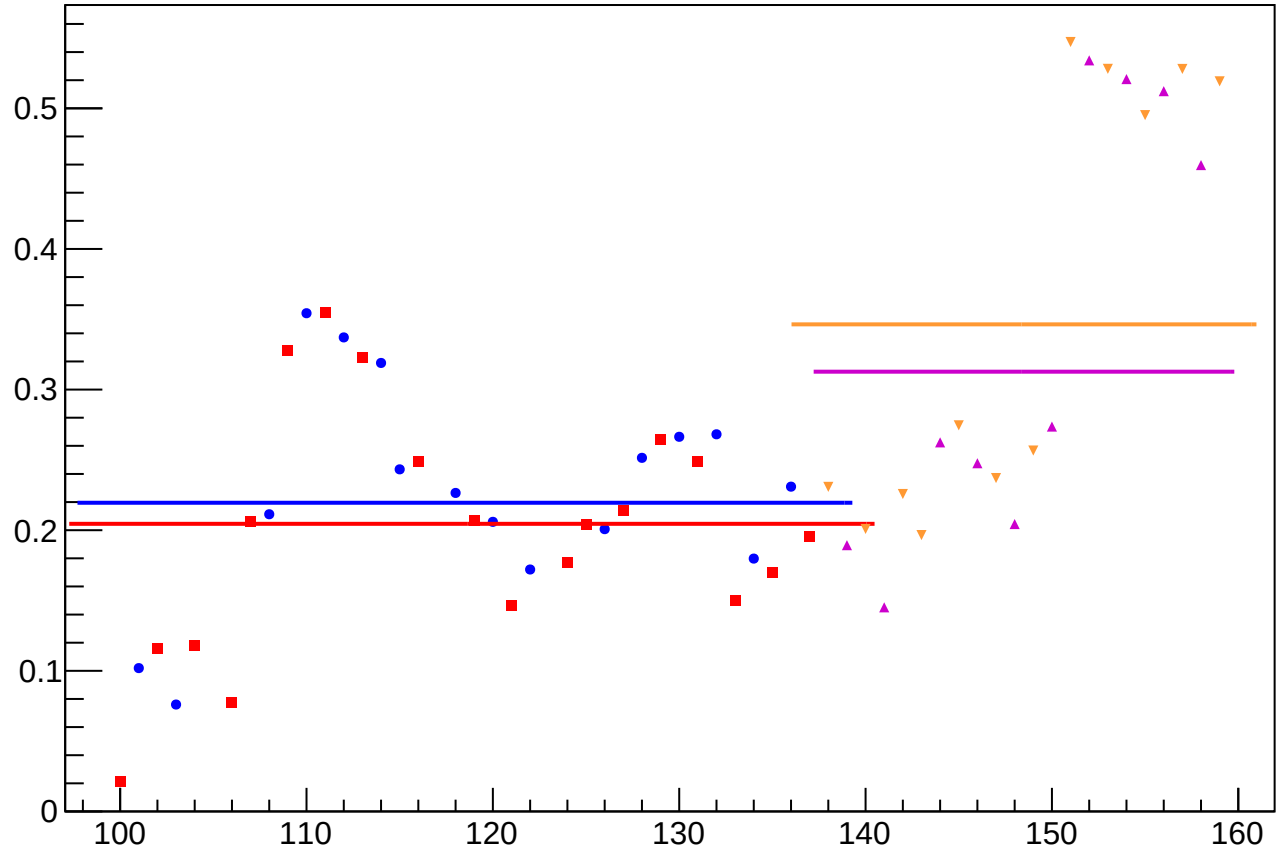
Left In: 0.004+/-0.000 χ^2/NDF:182059.5/9

+ sign 0.004+/-0.000 χ^2/NDF: 2283563.0/27

All: 0.004+/-0.000 χ^2/NDF: 4611244.7/56

- sign 0.004+/-0.000 χ^2/NDF: 2322866.4/28

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

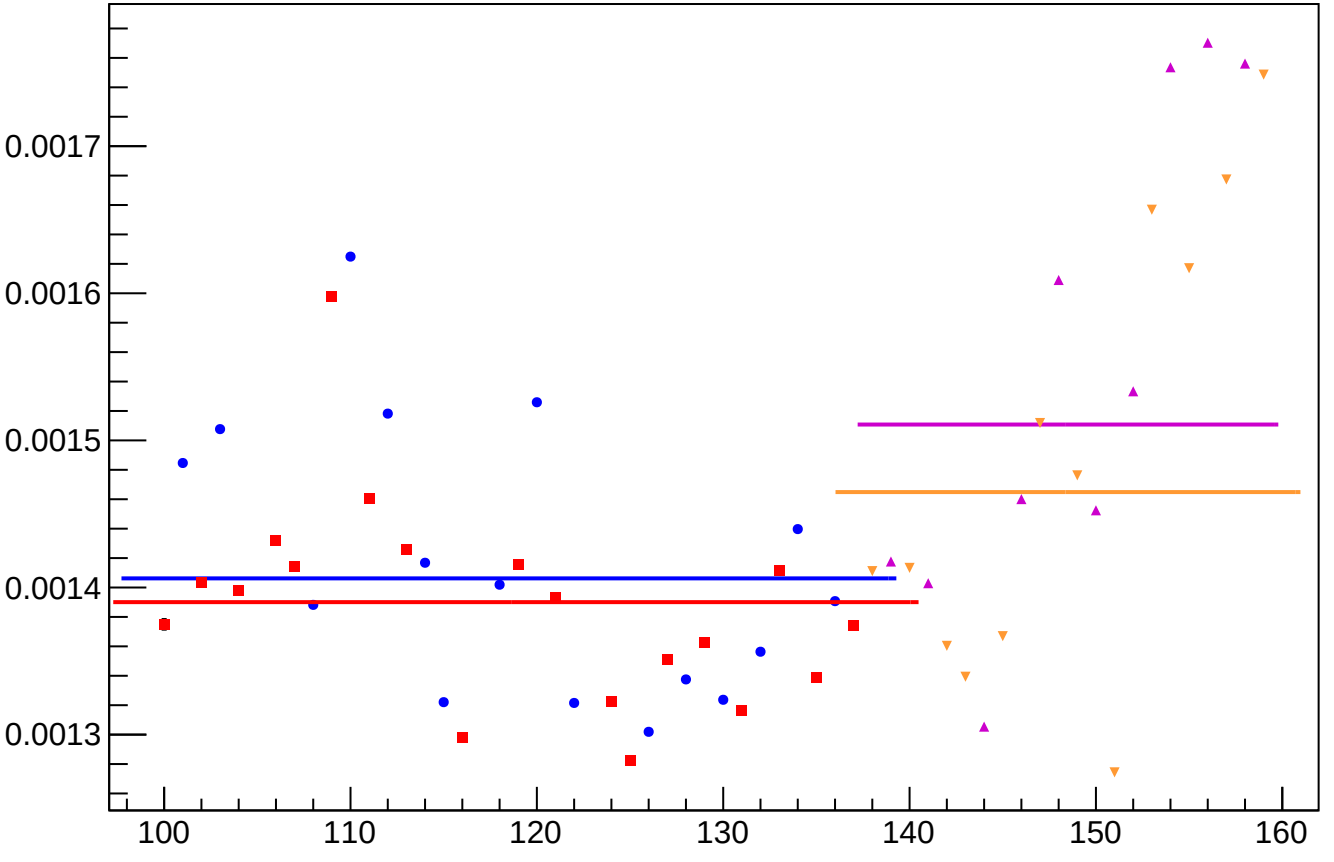
Left In: 0.313+/-0.000 χ^2/NDF:71896992045.5/9

+ sign 0.290+/-0.000 χ^2/NDF: 140477237072.2/27

All: 0.274+/-0.000 χ^2/NDF: 260467404827.5

- sign 0.258+/-0.000 χ^2/NDF: 116105972574.8/28

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:178657.7/11

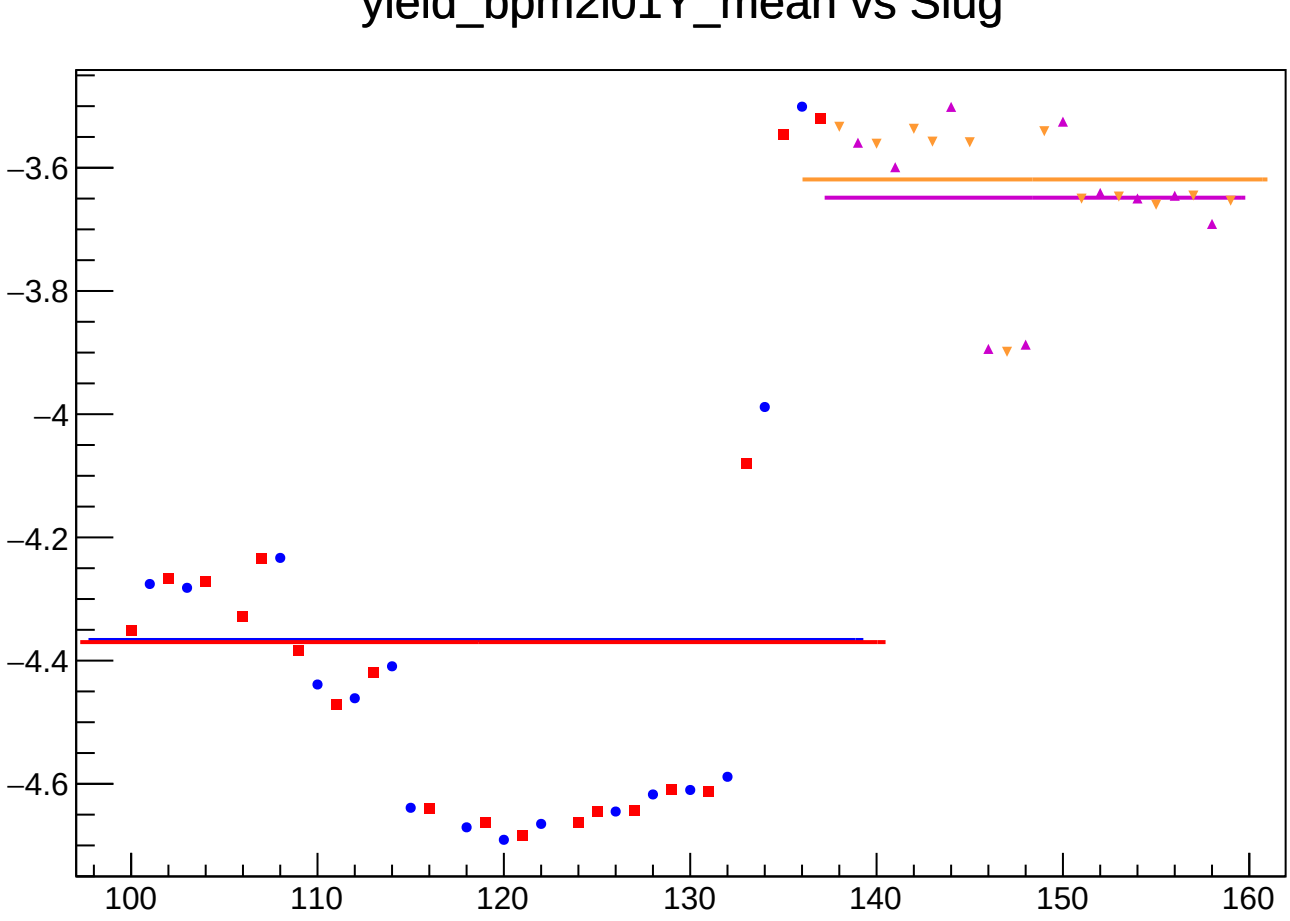
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:174291.1/9

+ sign 0.001+/-0.000 χ^2/NDF: 240223.4/27

All: 0.001+/-0.000 χ^2/NDF: 504743.7/56

- sign 0.001+/-0.000 χ^2/NDF: 263608.1/28



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

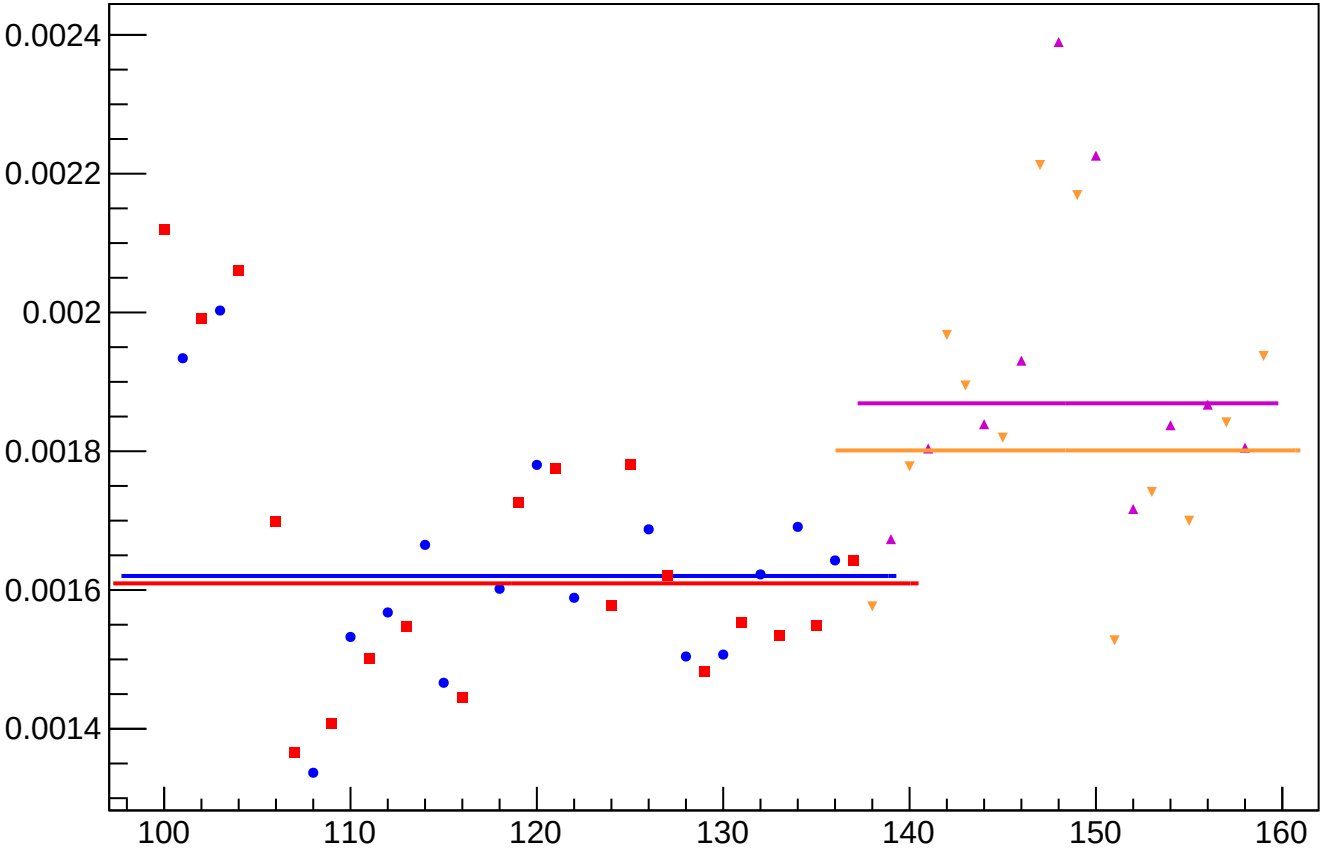
Left In: -3.649+/-0.000 χ^2/NDF:32902219724.8/9

+ sign -3.981+/-0.000 χ^2/NDF: 1127417257464.5/2

All: -4.008+/-0.000 χ^2/NDF: 2126214450780

- sign -4.036+/-0.000 χ^2/NDF: 990924115484.5/28

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

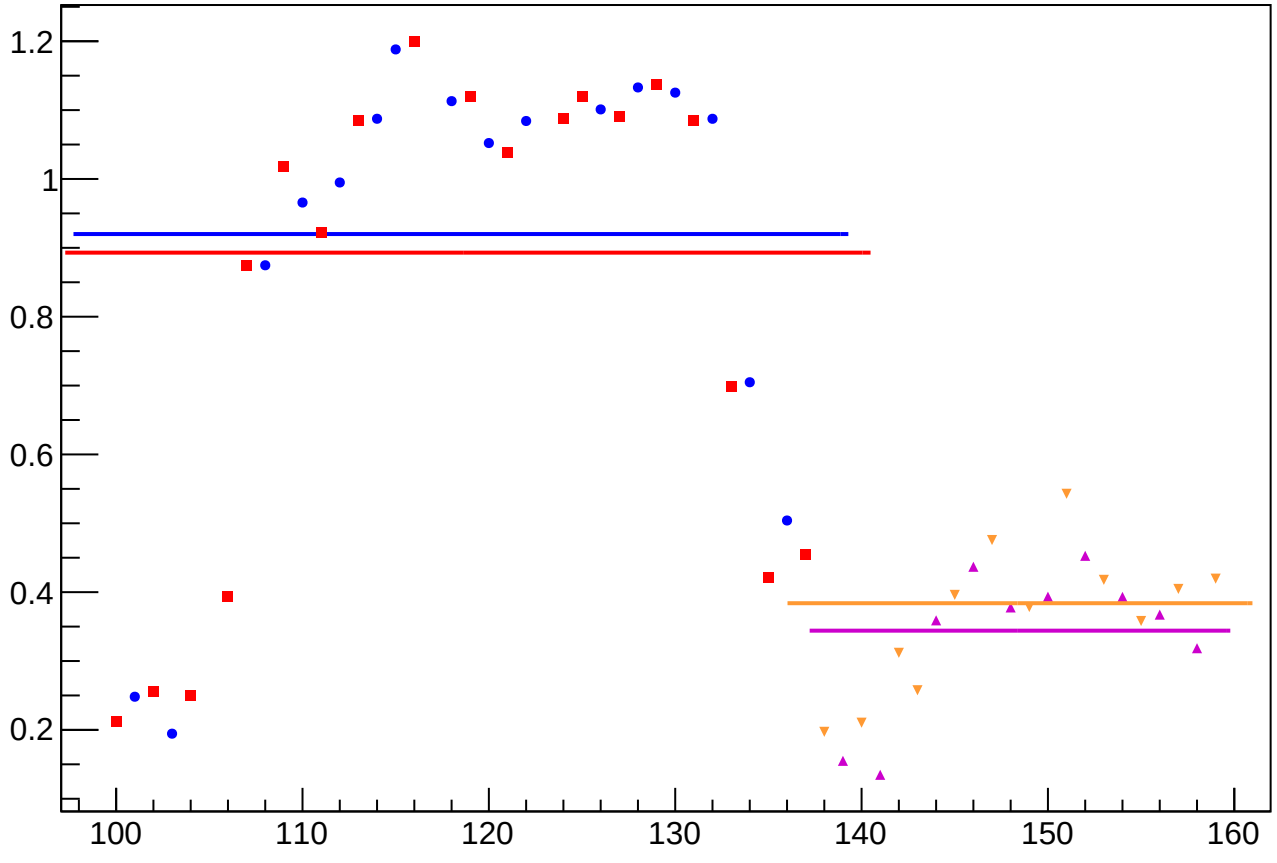
Left In: 0.002+/-0.000 χ^2/NDF:162787.1/9

+ sign 0.002+/-0.000 χ^2/NDF: 438153.1/27

All: 0.002+/-0.000 χ^2/NDF: 958558.0/56

- sign 0.002+/-0.000 χ^2/NDF: 519024.5/28

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

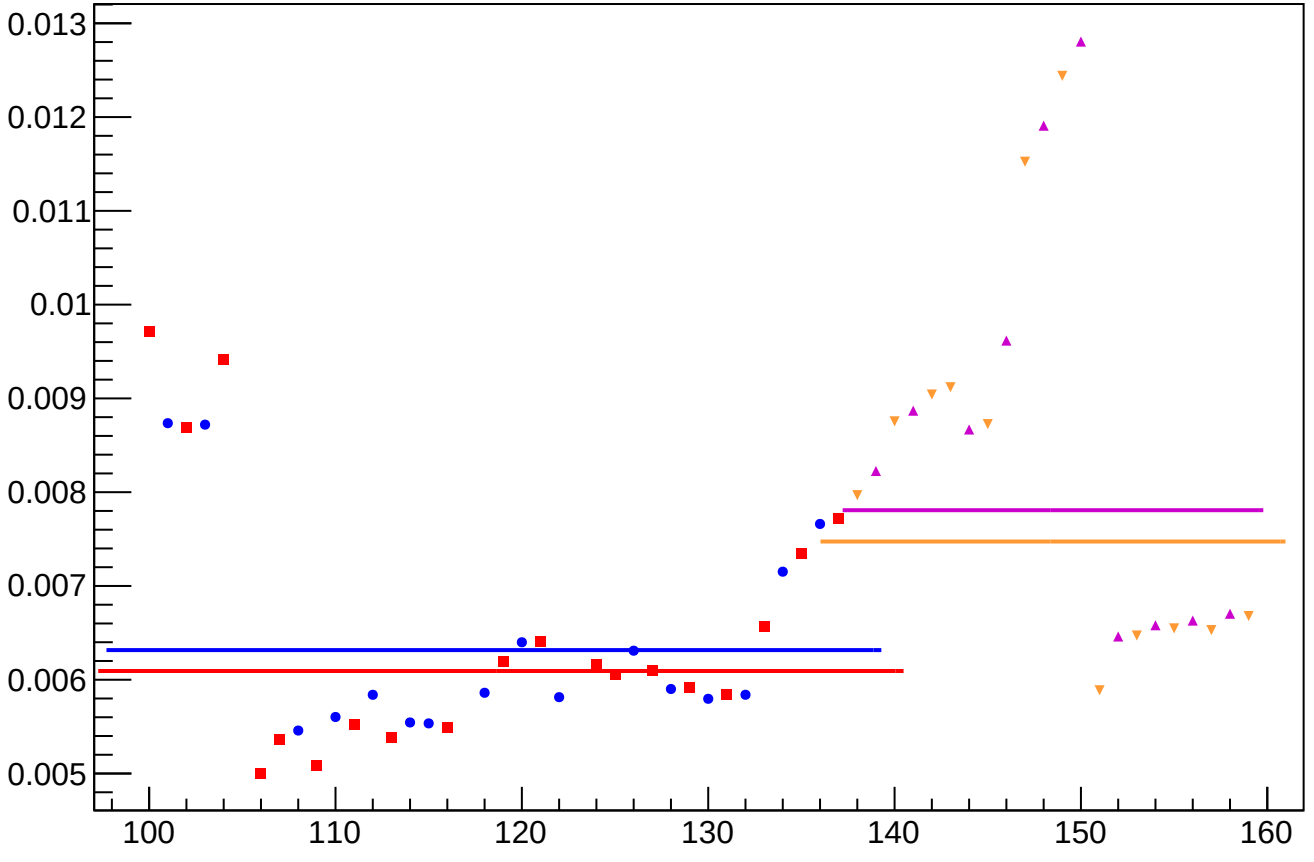
Left In: 0.344+/-0.000 χ^2/NDF:1355163885.9/9

+ sign 0.663+/-0.000 χ^2/NDF: 40415050361.5/27

All: 0.666+/-0.000 χ^2/NDF: 83506594279.8/5

- sign 0.668+/-0.000 χ^2/NDF: 43087246375.7/28

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

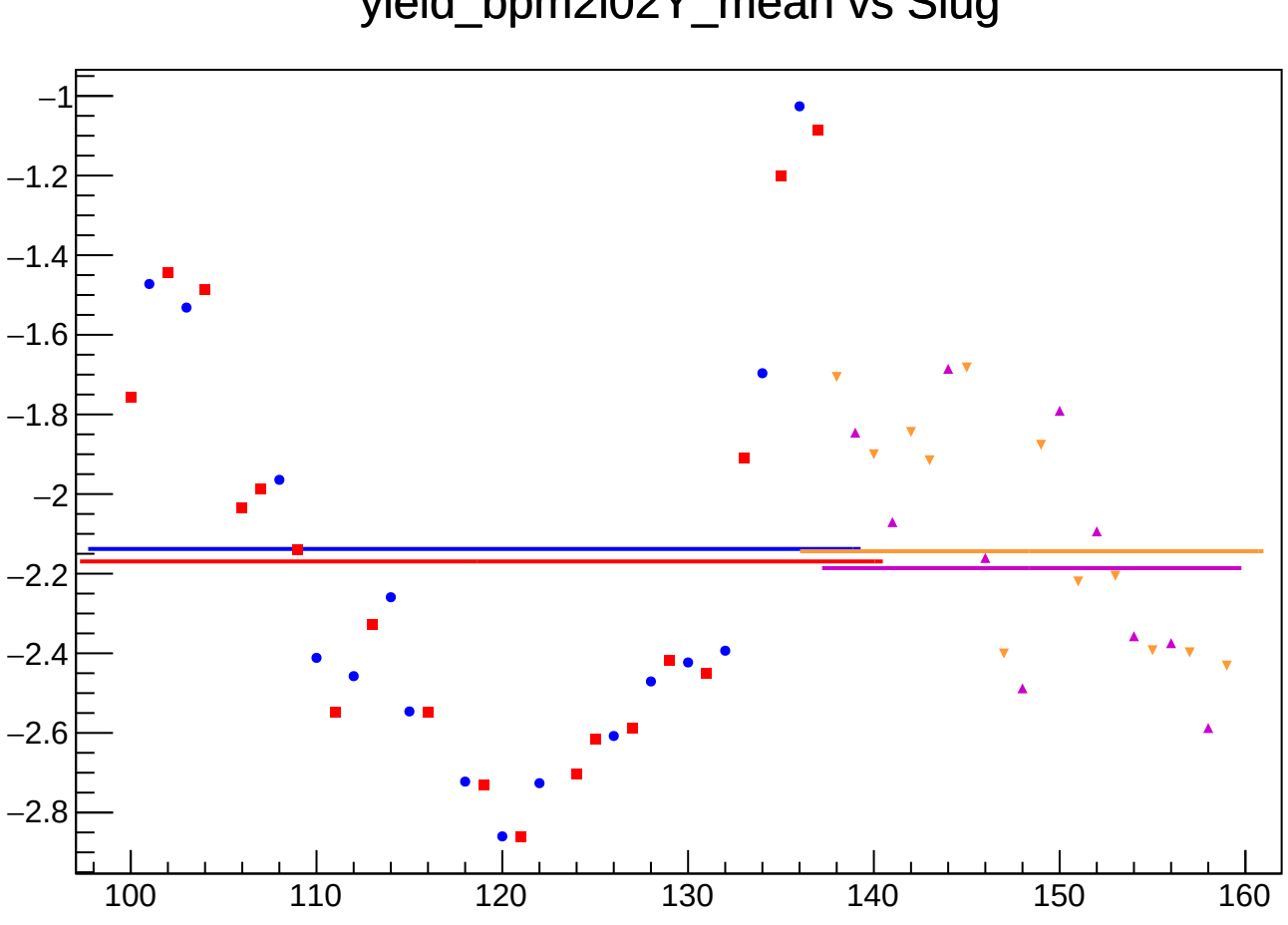
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:813464.9/9

+ sign 0.007+/-0.000 χ^2/NDF: 1435276.9/27

All: 0.007+/-0.000 χ^2/NDF: 3156703.2/56

- sign 0.007+/-0.000 χ^2/NDF: 1719511.2/28



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.144+/-0.000 χ^2/NDF:14651469422.0/11

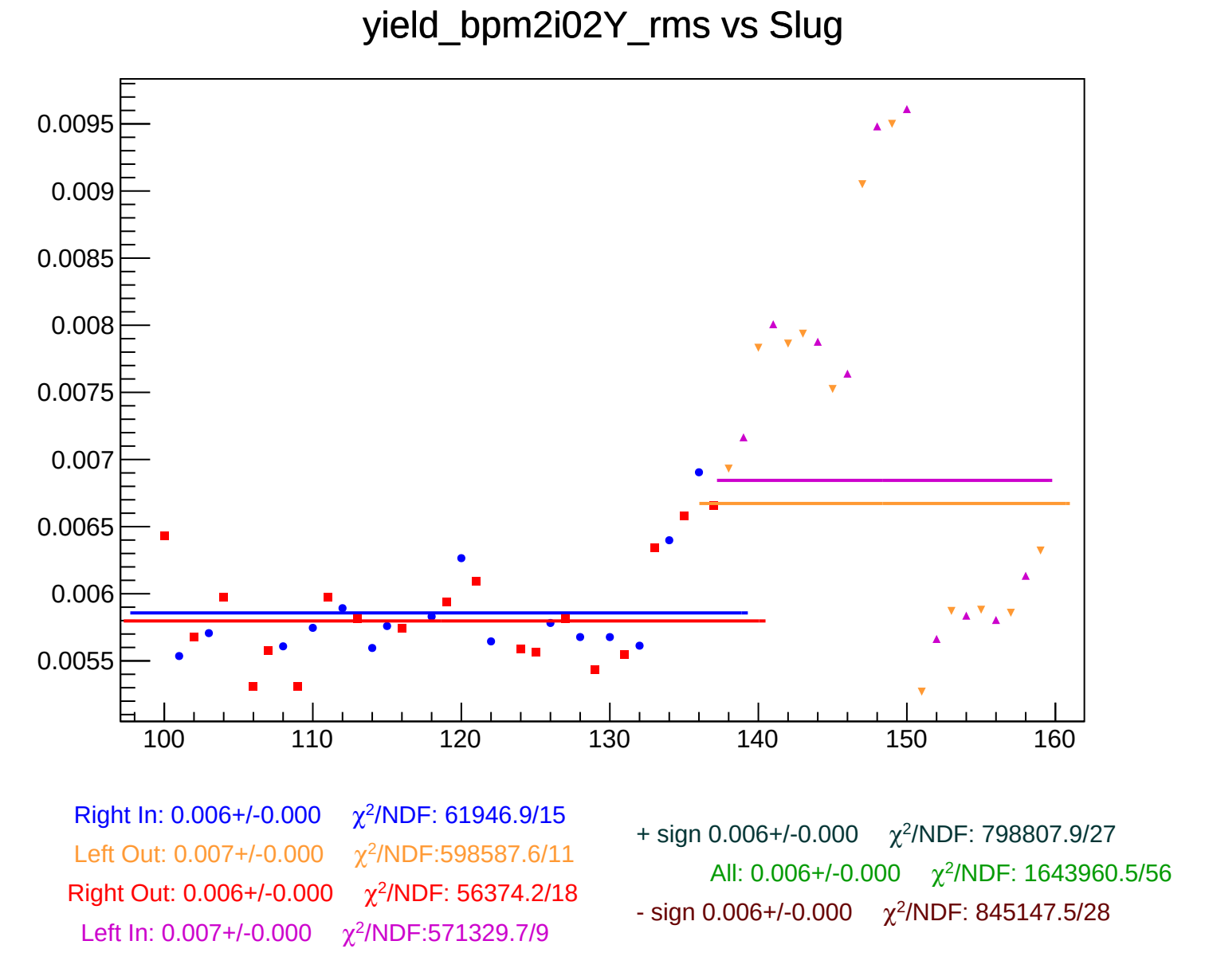
Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

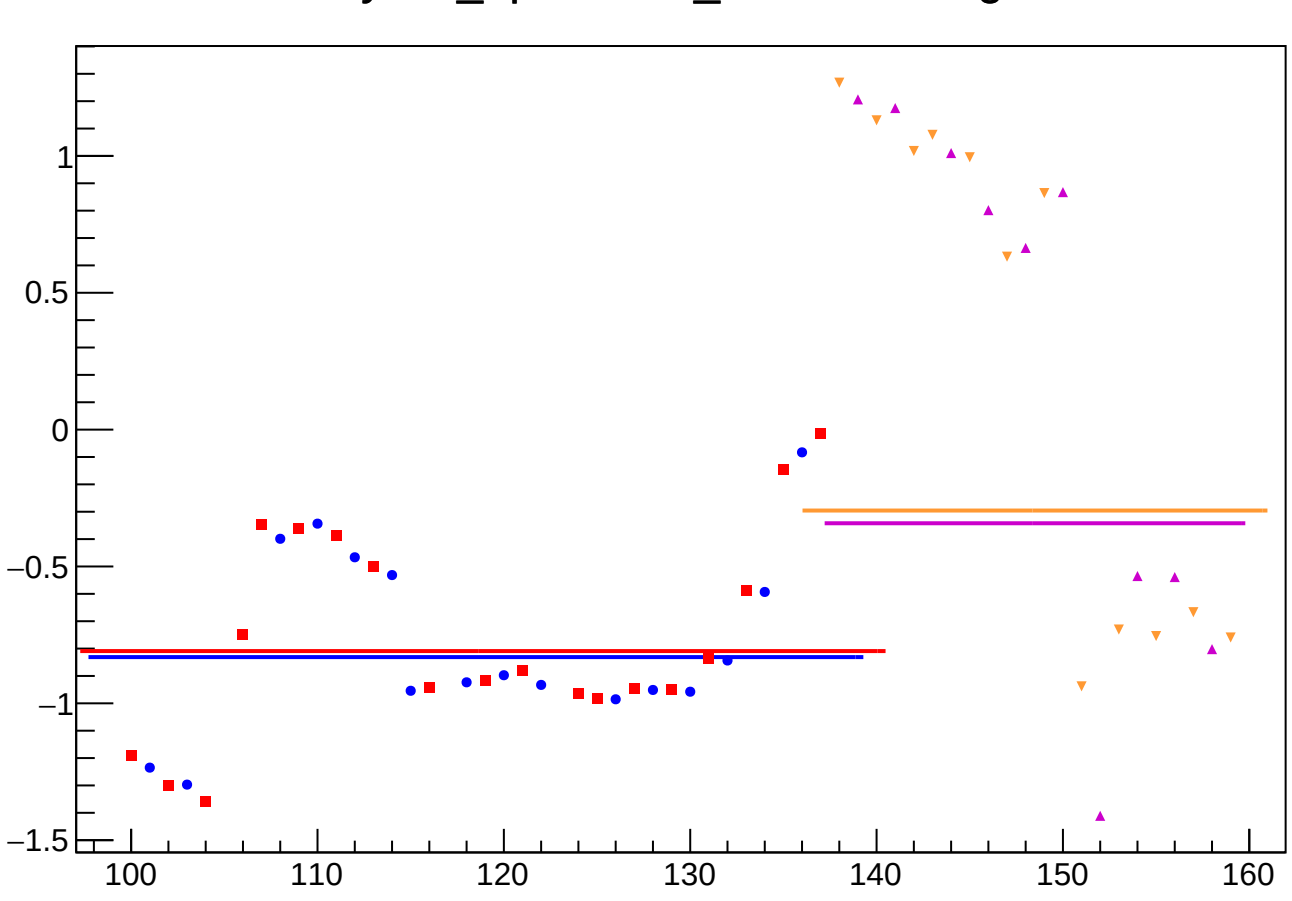
Left In: -2.186+/-0.000 χ^2/NDF:13700414153.3/9

+ sign -2.141+/-0.000 χ^2/NDF: 80321526818.0/27

All: -2.158+/-0.000 χ^2/NDF: 151724094513.3

- sign -2.177+/-0.000 χ^2/NDF: 71137466763.3/28


yield_bpm2i02Y_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
100
110
120
130
140
150
160
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.007+/-0.000 χ²/NDF:598587.6/11
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.007+/-0.000 χ²/NDF:571329.7/9
+ sign 0.006+/-0.000 χ²/NDF: 798807.9/27
All: 0.006+/-0.000 χ²/NDF: 1643960.5/56
- sign 0.006+/-0.000 χ²/NDF: 845147.5/28



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

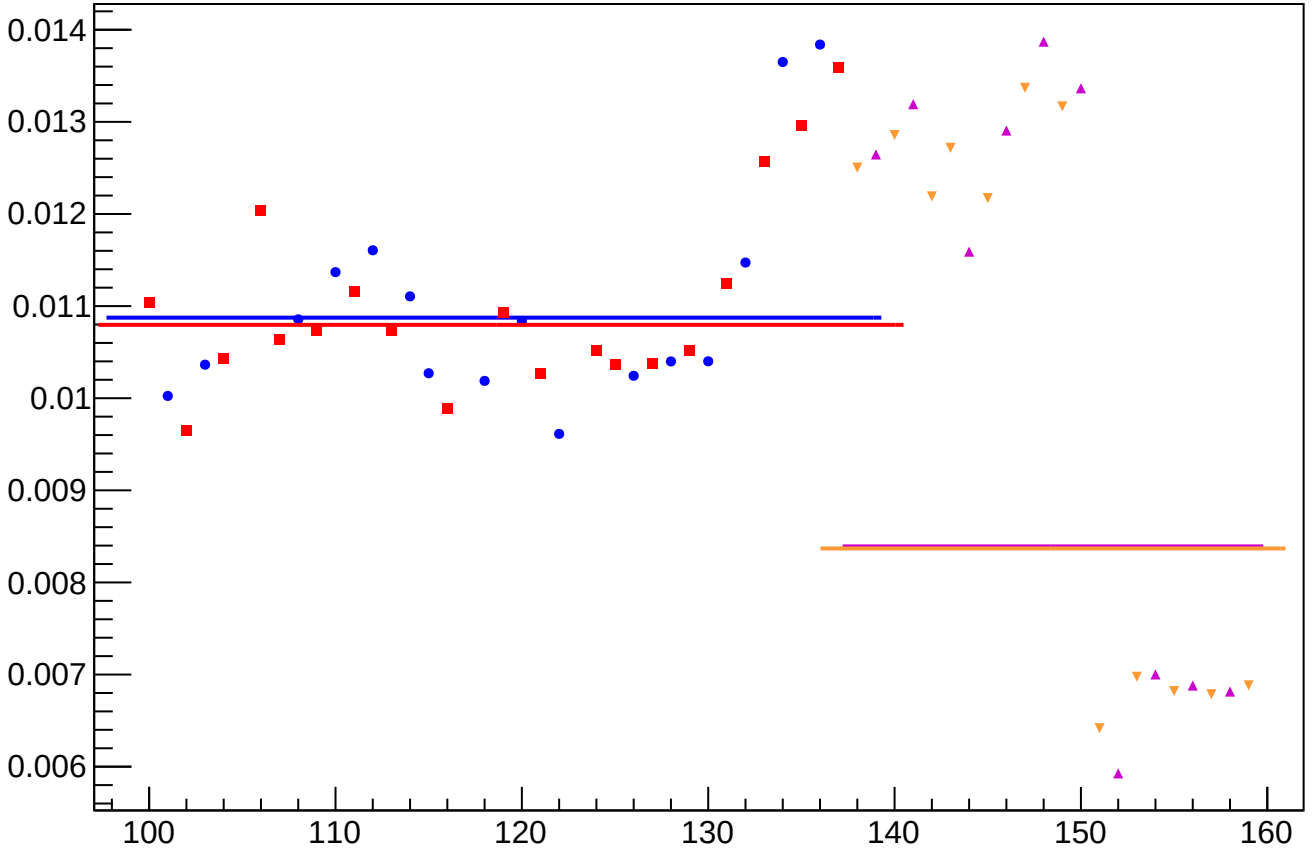
Left In: -0.342+/-0.000 χ^2/NDF:86806991375.4/9

+ sign -0.473+/-0.000 χ^2/NDF: 94914156234.9/27

All: -0.492+/-0.000 χ^2/NDF: 198601504616.9

- sign -0.512+/-0.000 χ^2/NDF: 103551330295.0/28

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

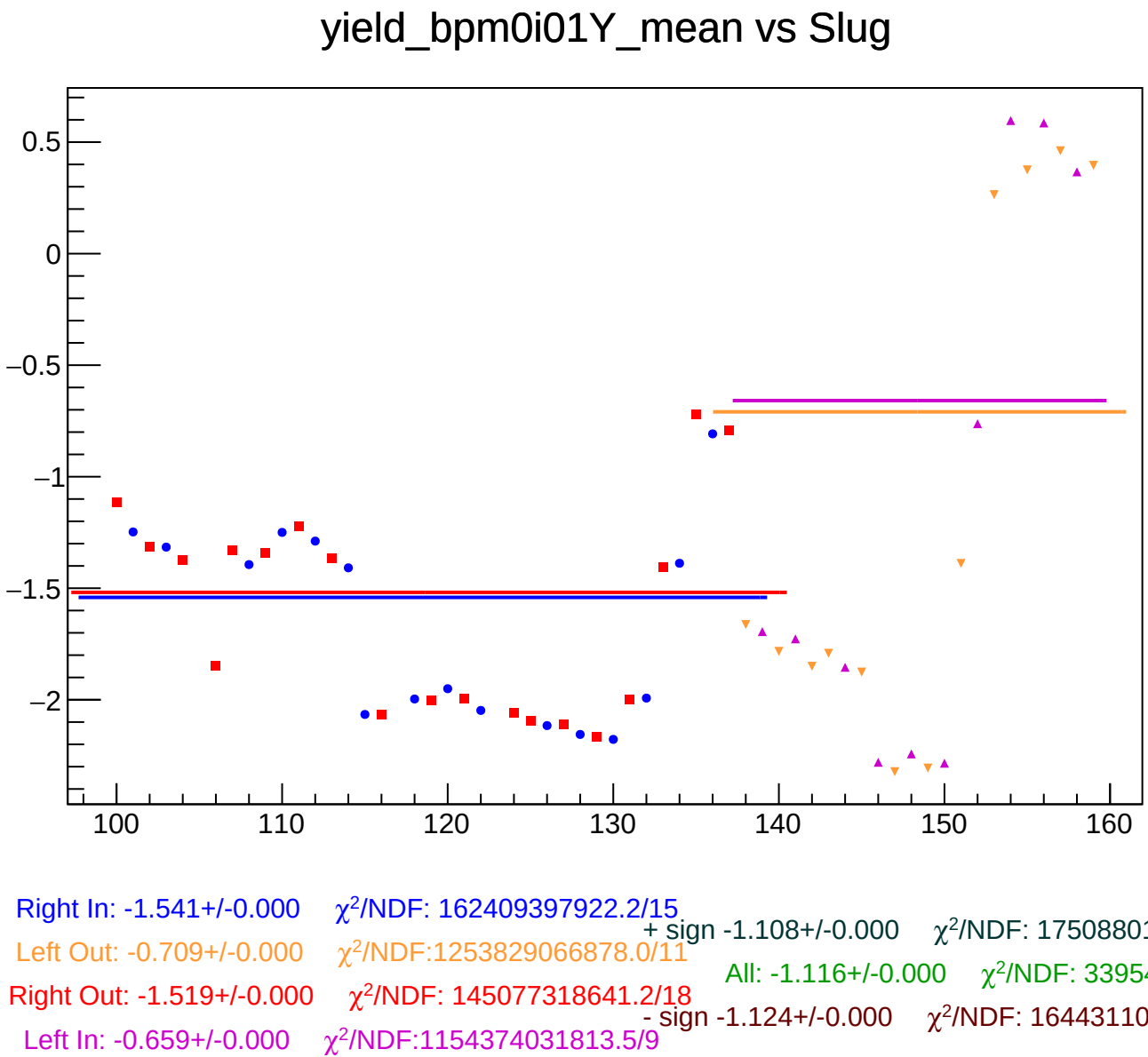
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1789011.7/9

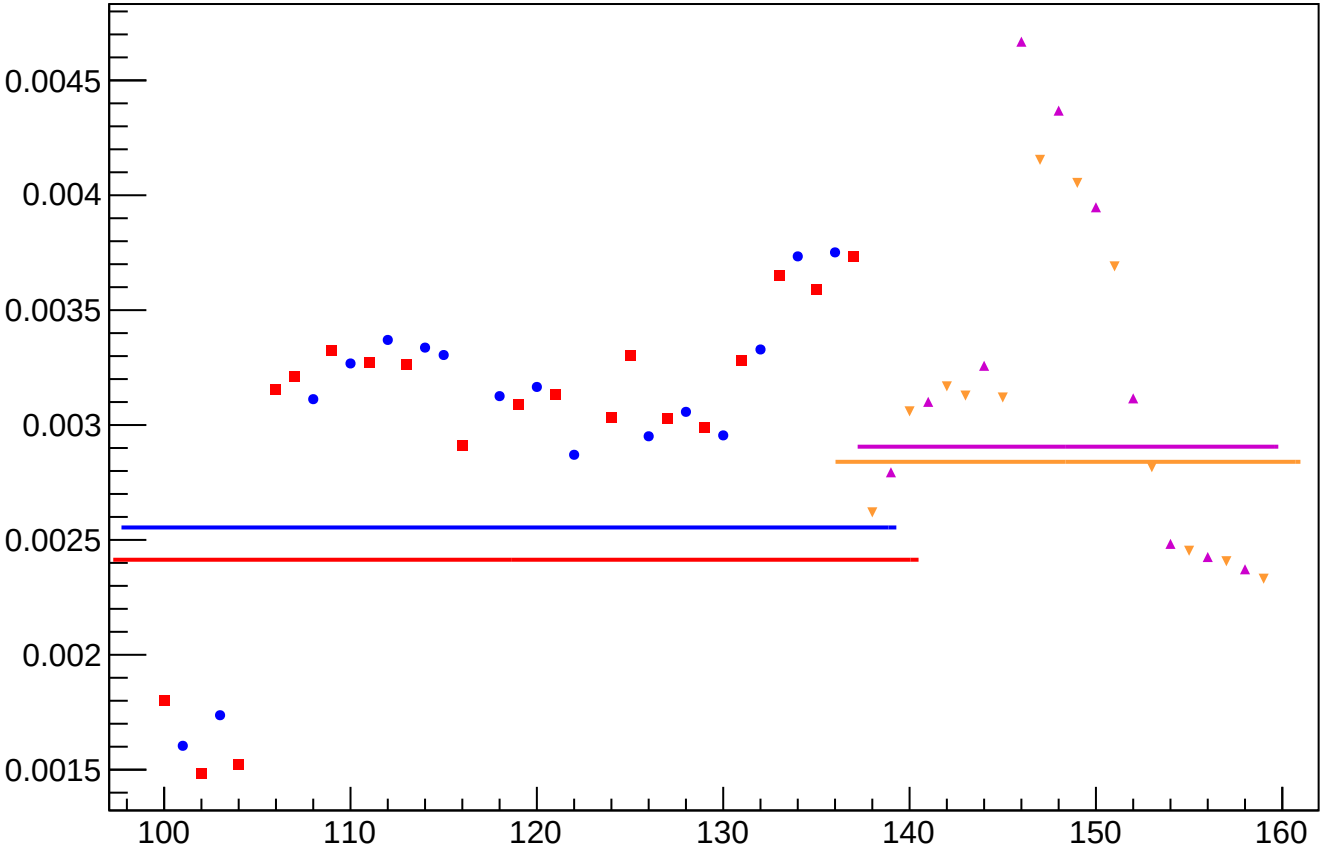
+ sign 0.009+/-0.000 χ^2/NDF: 2351486.6/27

All: 0.009+/-0.000 χ^2/NDF: 4696530.9/56

- sign 0.009+/-0.000 χ^2/NDF: 2344198.7/28


yield_bpm0i01Y_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
Right In: -1.541+/-0.000 χ²/NDF: 162409397922.2/15
Left Out: -0.709+/-0.000 χ²/NDF:1253829066878.0/11
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -0.659+/-0.000 χ²/NDF:1154374031813.5/9
+ sign -1.108+/-0.000 χ²/NDF: 1750880169083.0/2
All: -1.116+/-0.000 χ²/NDF: 3395445967062
- sign -1.124+/-0.000 χ²/NDF: 1644311023397.3/28

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:526396.2/11

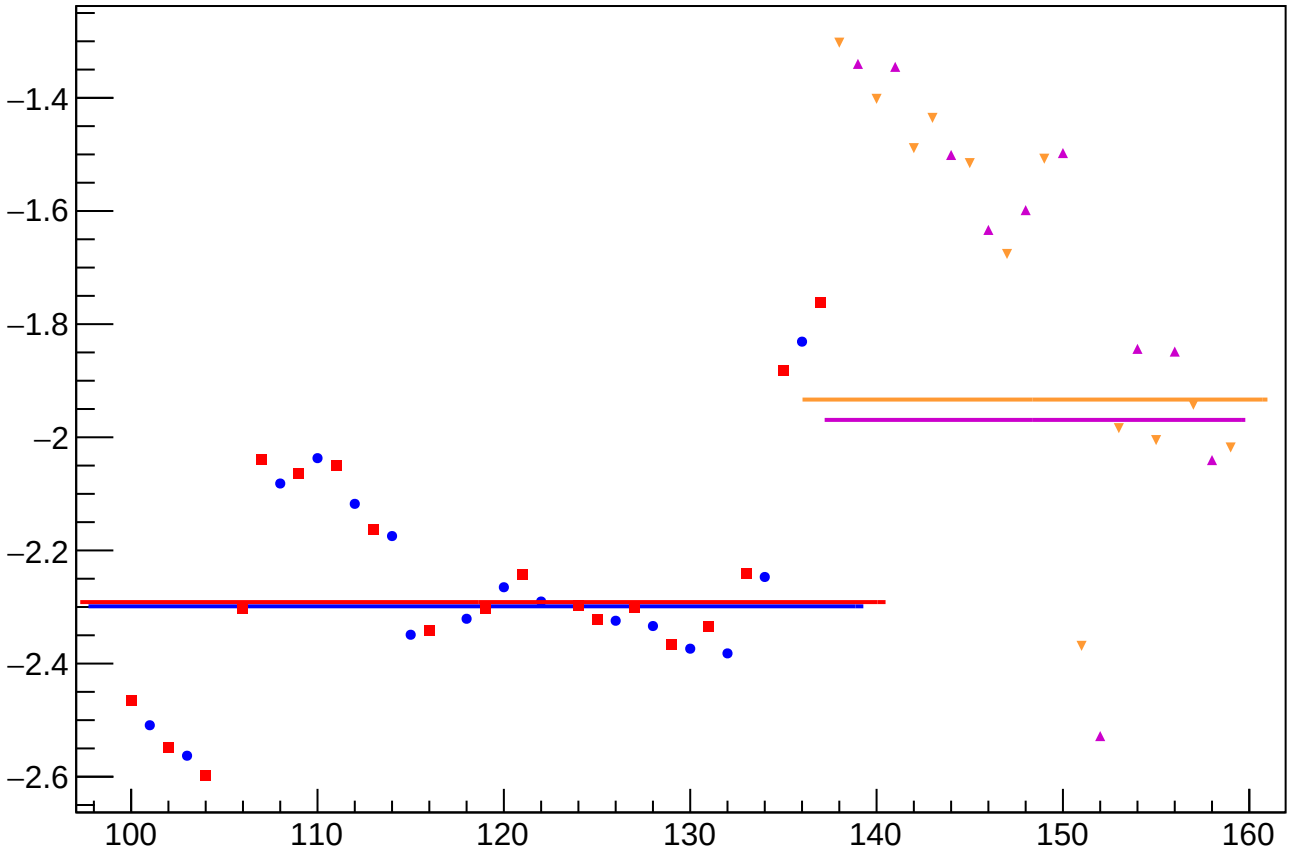
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:632429.3/9

+ sign 0.003+/-0.000 χ^2/NDF: 1777787.4/27

All: 0.003+/-0.000 χ^2/NDF: 4190608.2/56

- sign 0.003+/-0.000 χ^2/NDF: 2405103.6/28



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.933+/-0.000 χ^2/NDF:24883361978.7/11

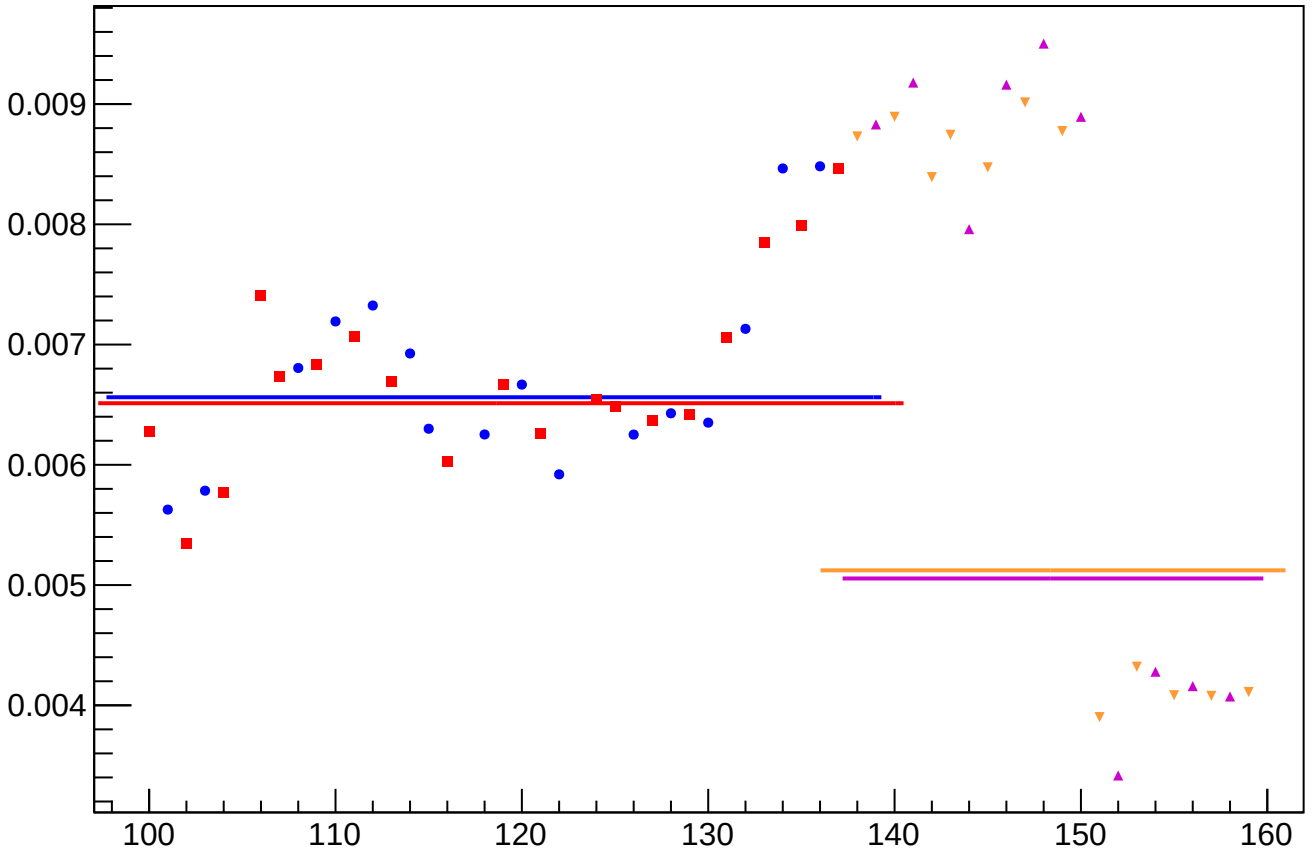
Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.969+/-0.000 χ^2/NDF:39404741038.5/9

+ sign -2.060+/-0.000 χ^2/NDF: 45057823426.8/27

All: -2.075+/-0.000 χ^2/NDF: 102345799744.

- sign -2.090+/-0.000 χ^2/NDF: 57074690820.9/28



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

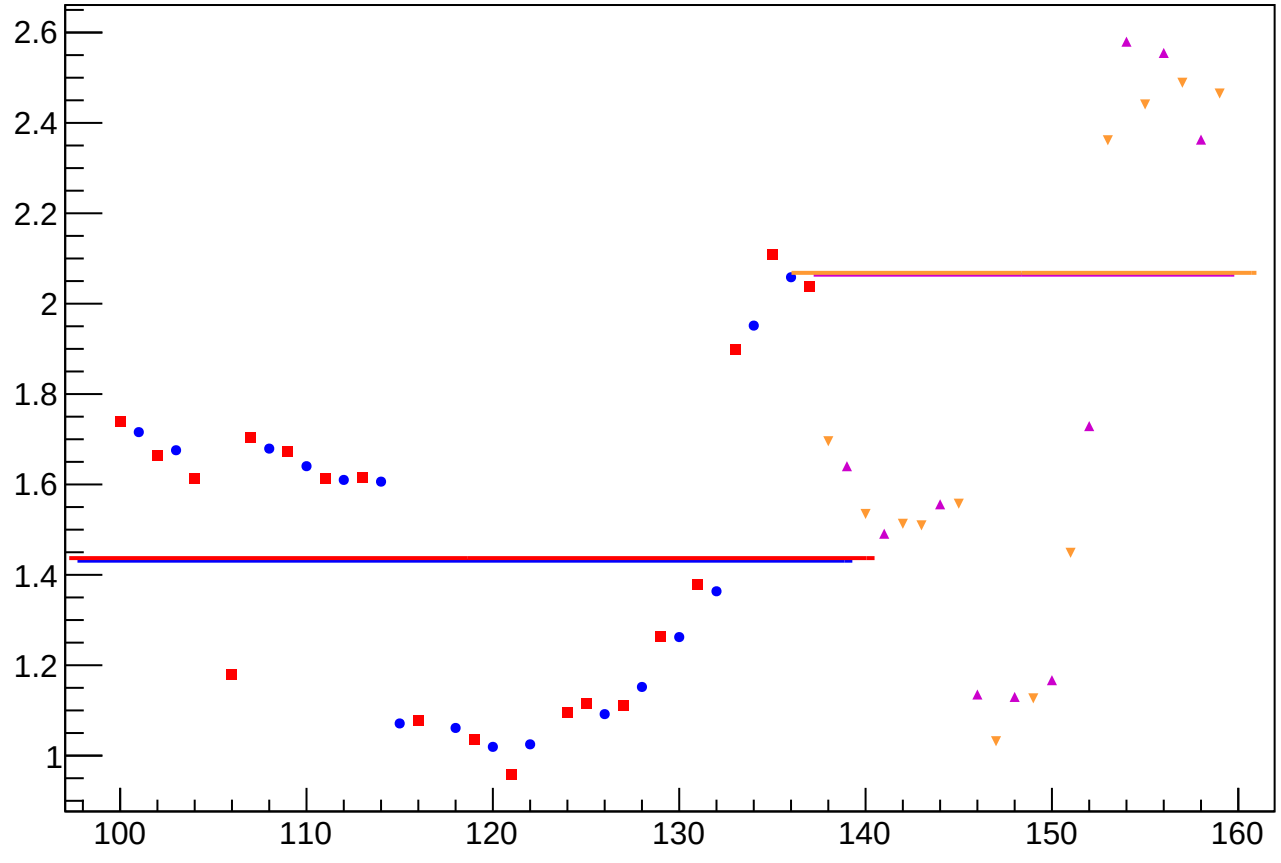
Left In: 0.005+/-0.000 χ^2/NDF:2475481.6/9

+ sign 0.006+/-0.000 χ^2/NDF: 2927081.9/27

All: 0.006+/-0.000 χ^2/NDF: 6031490.4/56

- sign 0.006+/-0.000 χ^2/NDF: 3104268.7/28

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.068+/-0.000 χ^2/NDF:131235582680.7/11

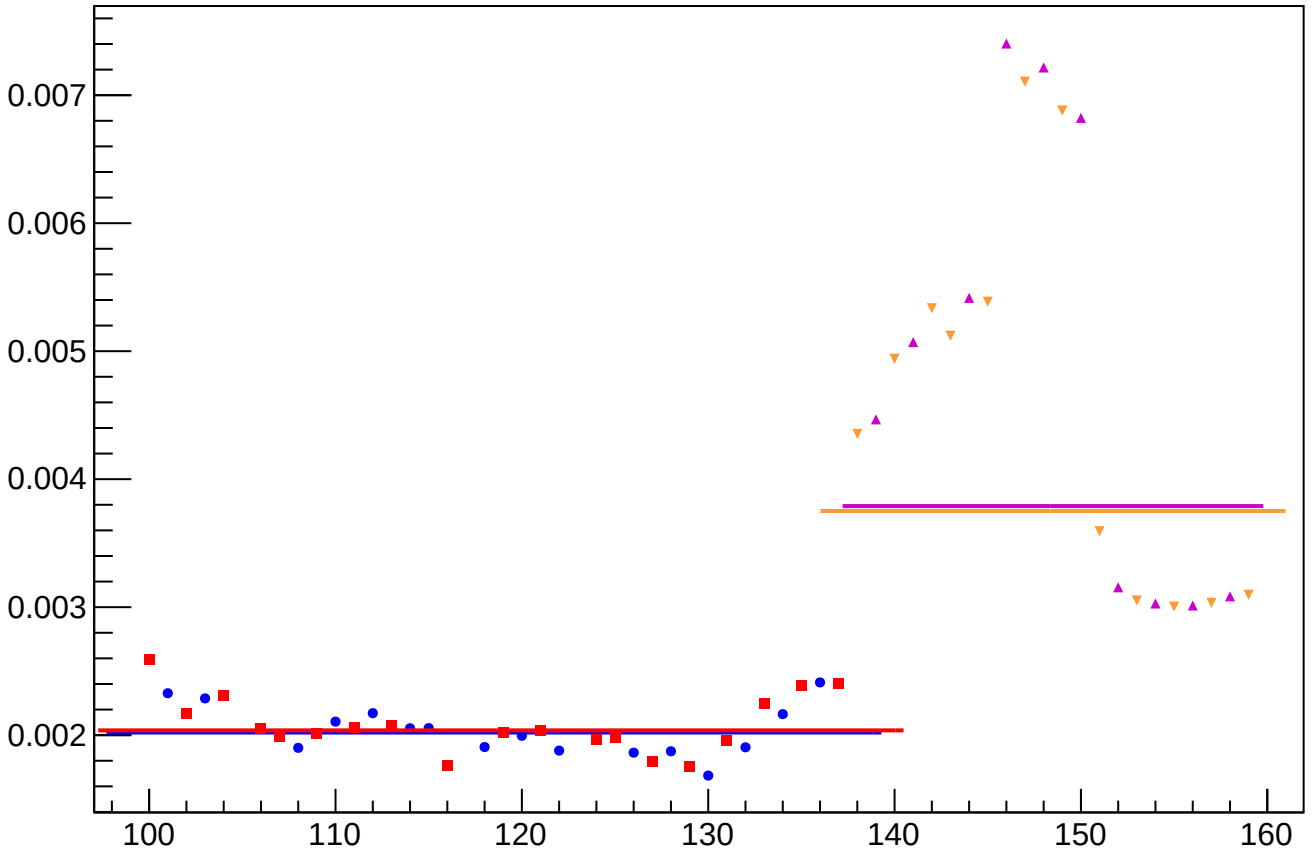
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.064+/-0.000 χ^2/NDF:123484636167.7/9

+ sign 1.597+/-0.000 χ^2/NDF: 492271703404.7/27

All: 1.591+/-0.000 χ^2/NDF: 948105028629.8

- sign 1.584+/-0.000 χ^2/NDF: 455634517320.3/28



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1357572.5/11

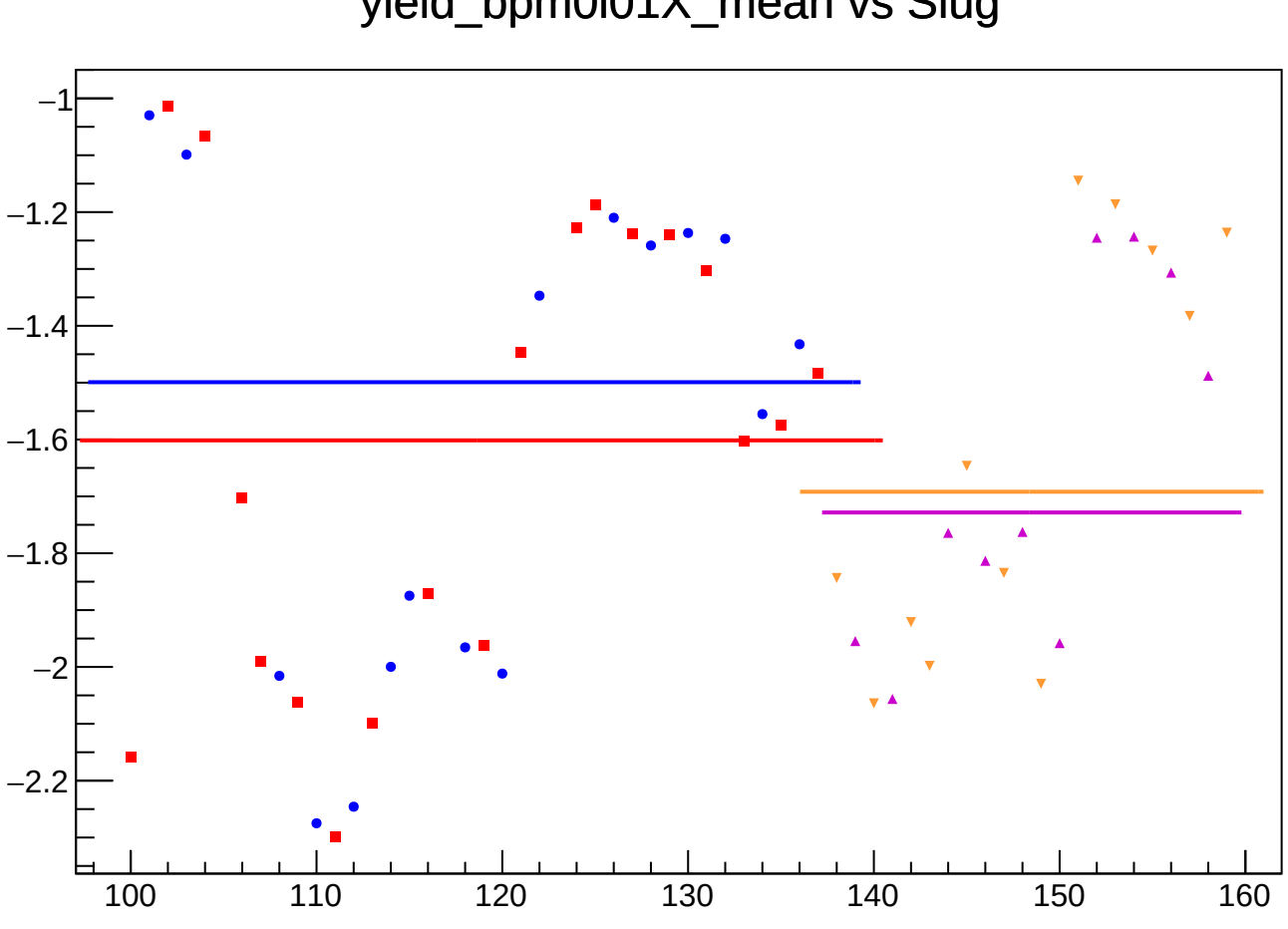
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1580224.3/9

+ sign 0.002+/-0.000 χ^2/NDF: 4050907.2/27

All: 0.002+/-0.000 χ^2/NDF: 8090556.1/56

- sign 0.002+/-0.000 χ^2/NDF: 4038388.3/28



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

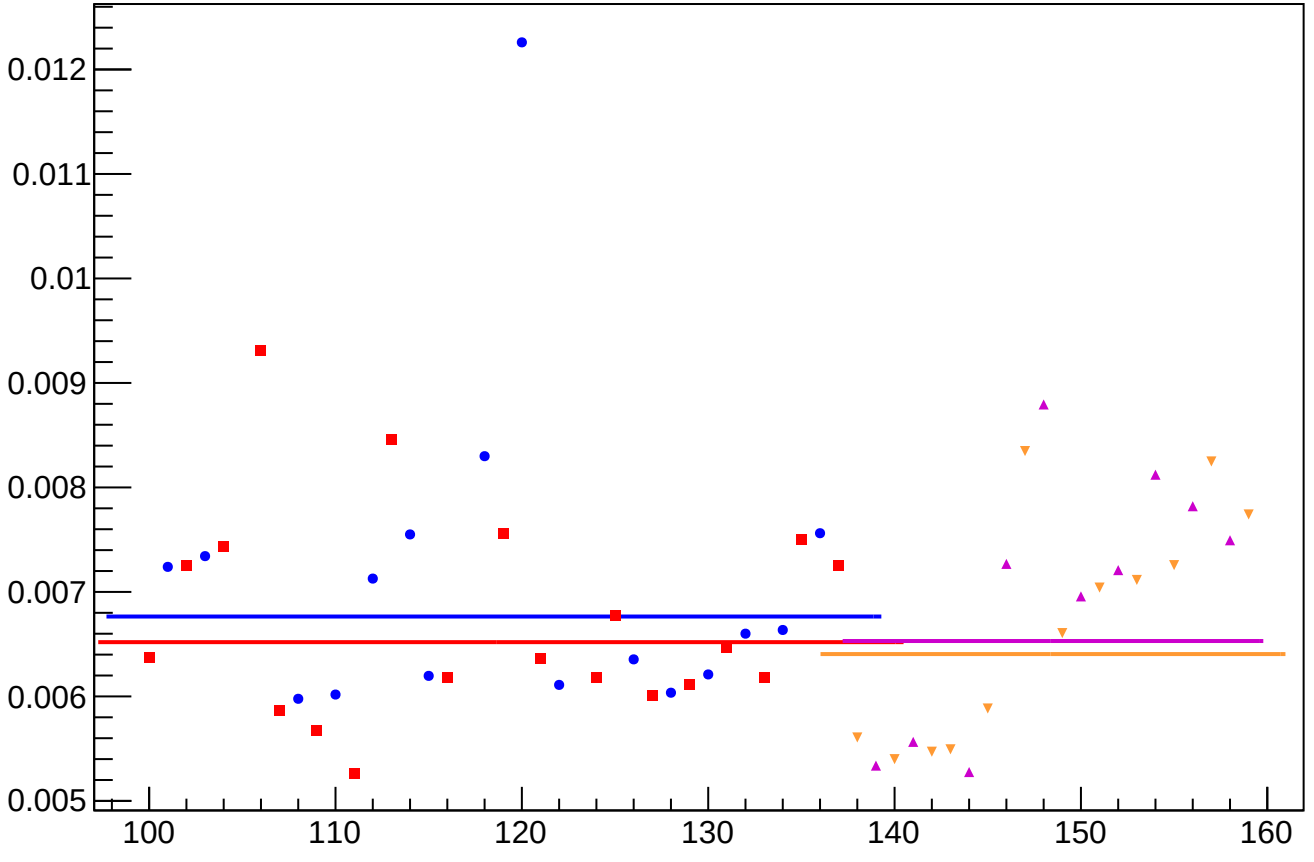
Left In: -1.728+/-0.000 χ^2/NDF:15129783490.2/9

+ sign -1.615+/-0.000 χ^2/NDF: 51193794016.1/27

All: -1.642+/-0.000 χ^2/NDF: 96548056666.8/

- sign -1.669+/-0.000 χ^2/NDF: 44843203422.5/28

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

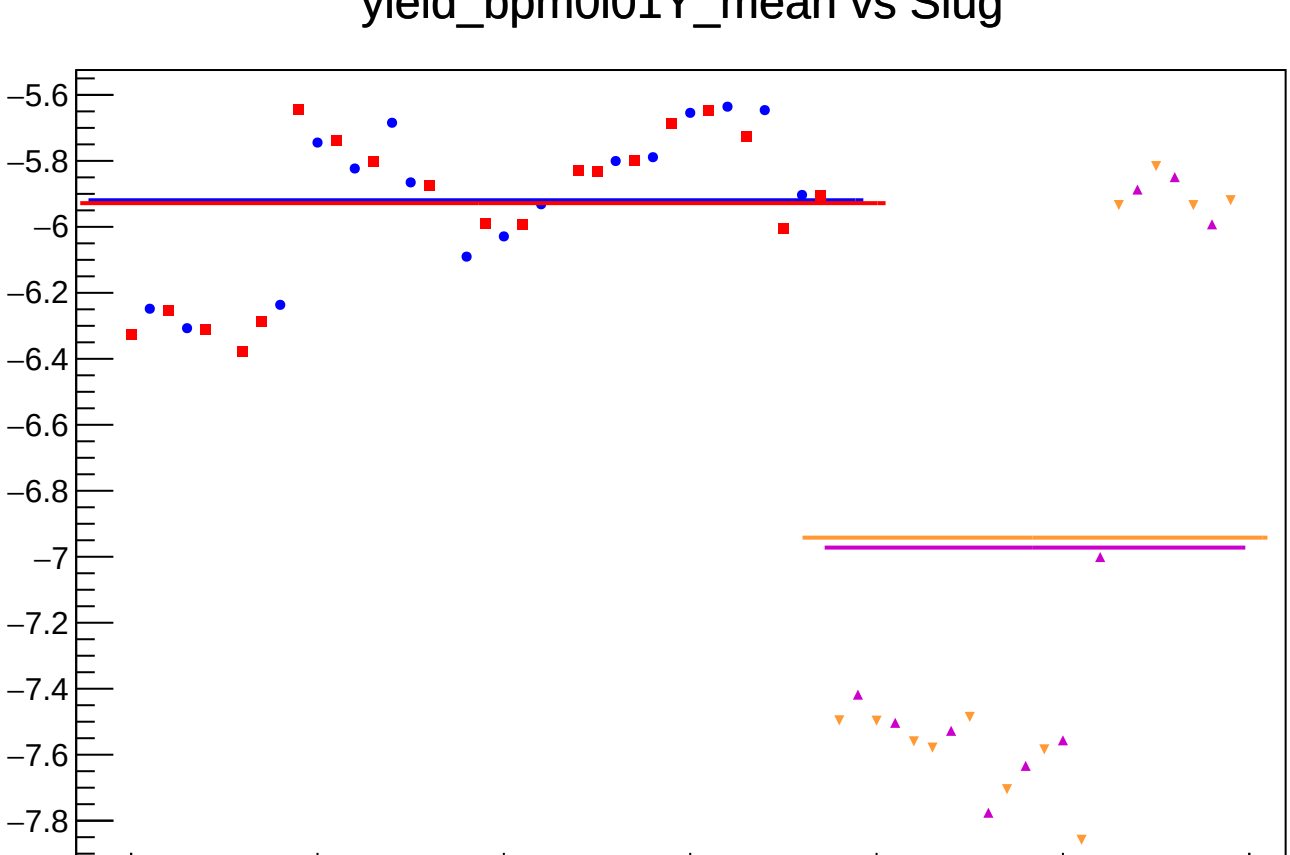
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:497846.5/9

+ sign 0.007+/-0.000 χ^2/NDF: 682872.9/27

All: 0.007+/-0.000 χ^2/NDF: 1426362.1/56

- sign 0.007+/-0.000 χ^2/NDF: 743294.9/28



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

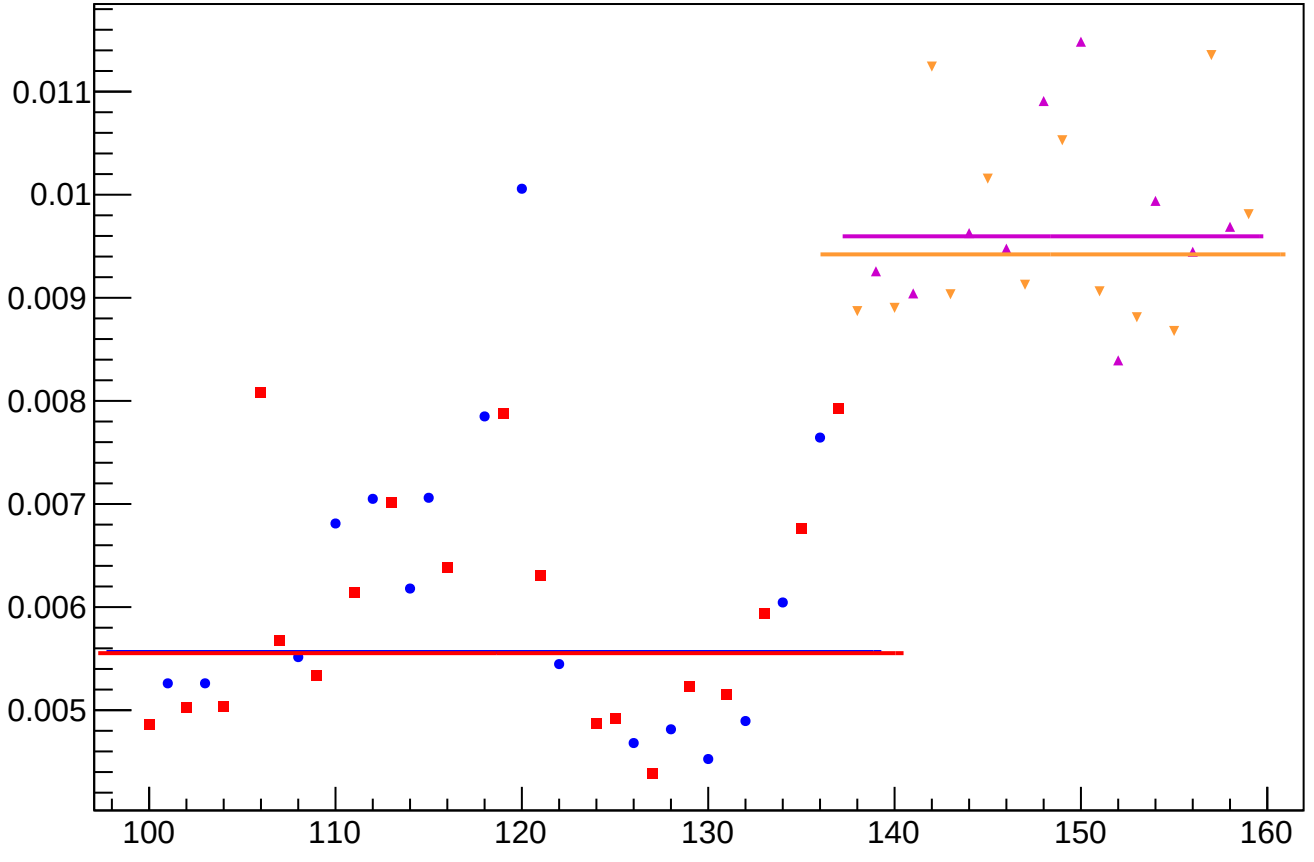
Left In: -6.972+/-0.000 χ^2/NDF:39419316443.4/9

+ sign -6.213+/-0.000 χ^2/NDF: 127482817261.0/27

All: -6.202+/-0.000 χ^2/NDF: 237409953519.

- sign -6.191+/-0.000 χ^2/NDF: 109860738126.9/28

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:106424.4/11

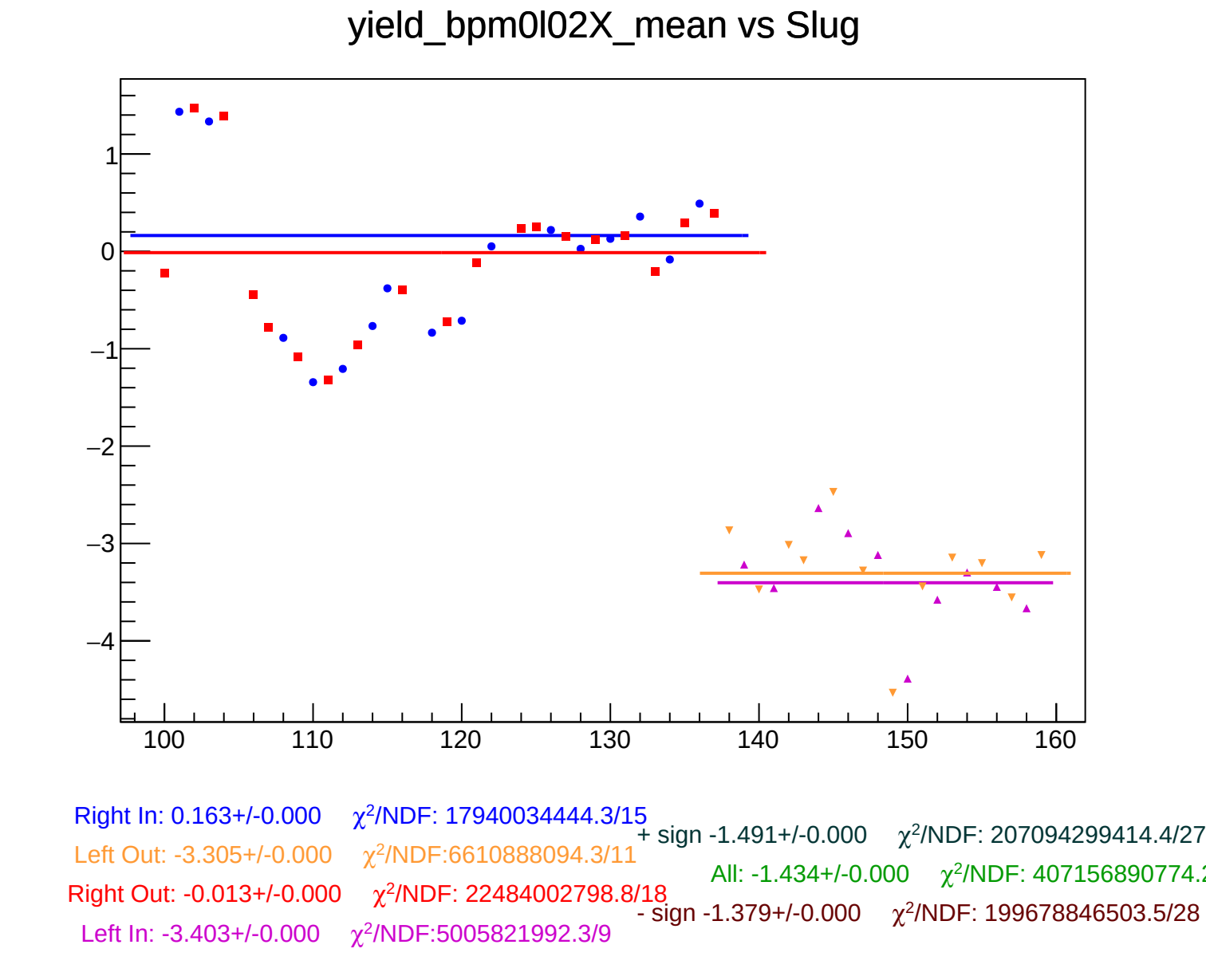
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:91882.2/9

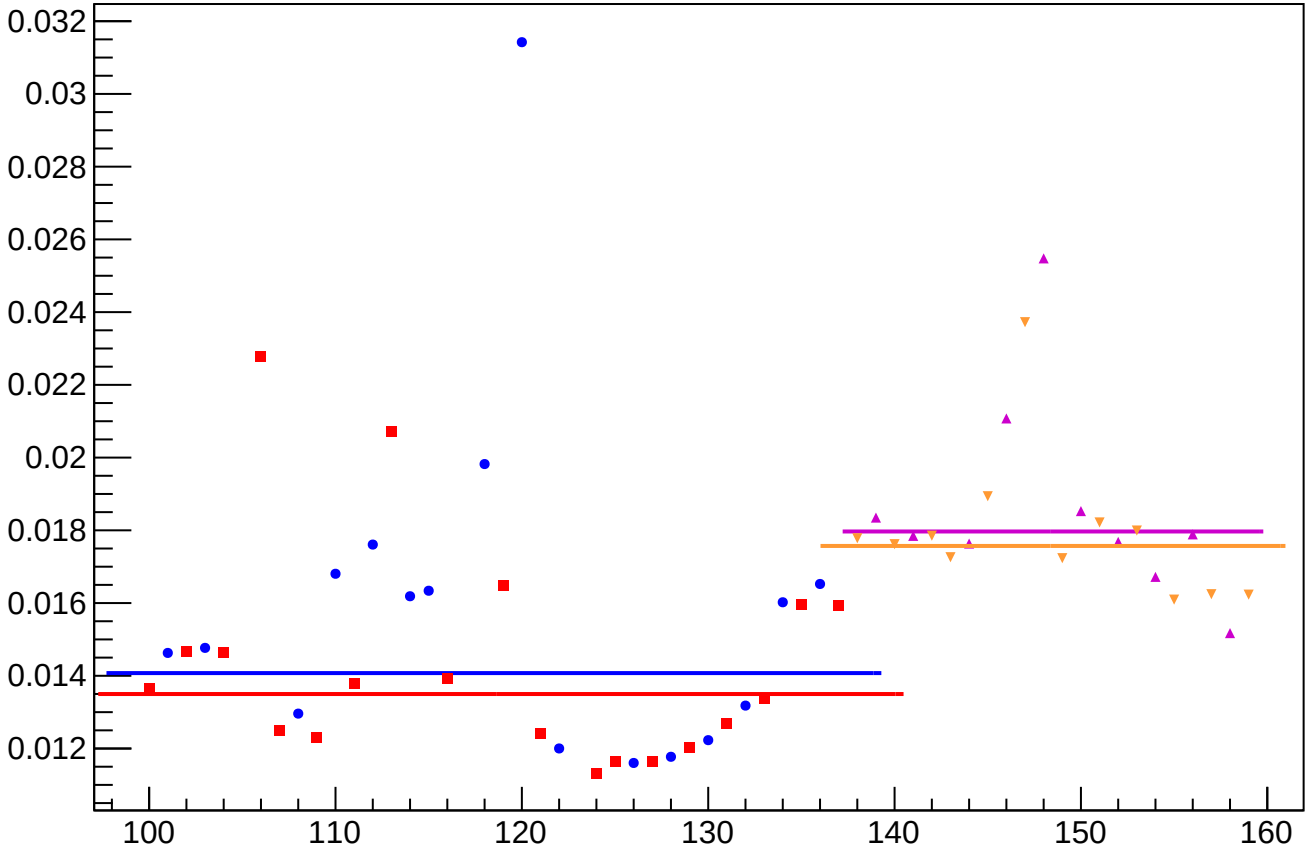
+ sign 0.007+/-0.000 χ^2/NDF: 2292656.9/27

All: 0.007+/-0.000 χ^2/NDF: 4485386.8/56

- sign 0.007+/-0.000 χ^2/NDF: 2189953.9/28


yield_bpm0l02X_mean vs Slug
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.163+/-0.000 χ²/NDF: 17940034444.3/15
Left Out: -3.305+/-0.000 χ²/NDF:6610888094.3/11
Right Out: -0.013+/-0.000 χ²/NDF: 22484002798.8/18
Left In: -3.403+/-0.000 χ²/NDF:5005821992.3/9
+ sign -1.491+/-0.000 χ²/NDF: 207094299414.4/27
All: -1.434+/-0.000 χ²/NDF: 407156890774.2
- sign -1.379+/-0.000 χ²/NDF: 199678846503.5/28

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

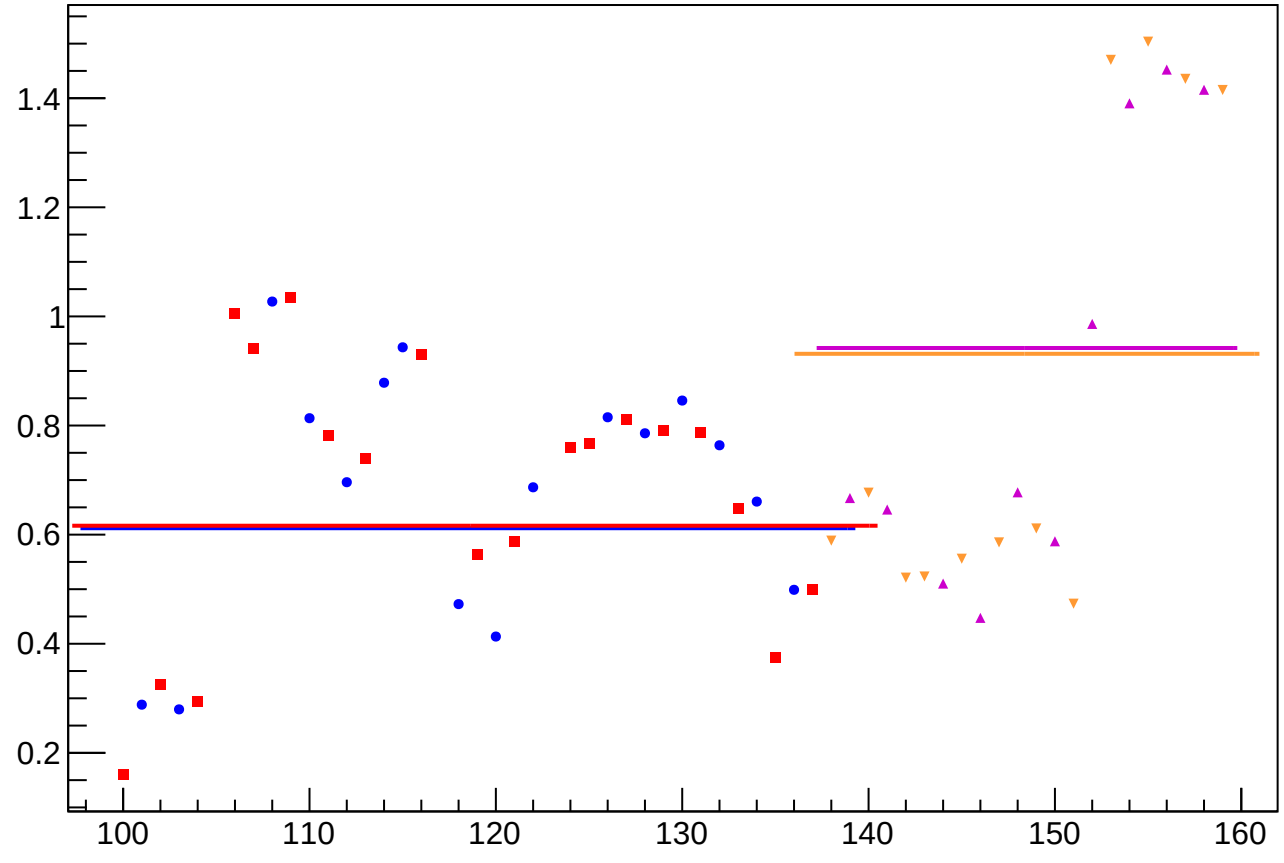
Left In: 0.018+/-0.000 χ^2/NDF:236392.8/9

+ sign 0.016+/-0.000 χ^2/NDF: 985092.1/27

All: 0.016+/-0.000 χ^2/NDF: 2146926.9/56

- sign 0.015+/-0.000 χ^2/NDF: 1149839.6/28

yield_bpm0l02Y_mean vs Slug



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

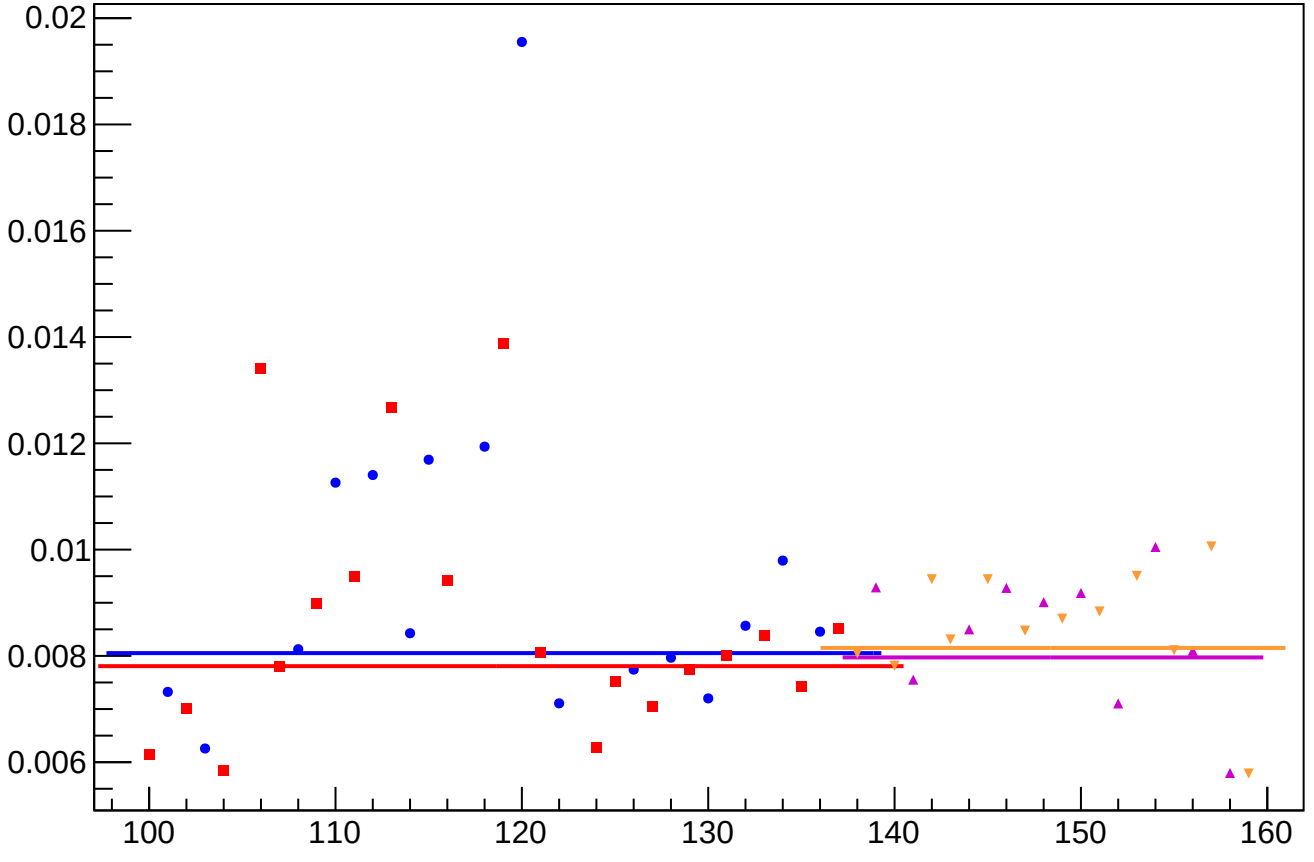
Left In: 0.942+/-0.000 χ^2/NDF:17588959181.6/9

+ sign 0.792+/-0.000 χ^2/NDF: 33926789272.9/27

All: 0.790+/-0.000 χ^2/NDF: 63834420005.7/5

- sign 0.788+/-0.000 χ^2/NDF: 29906105781.8/28

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

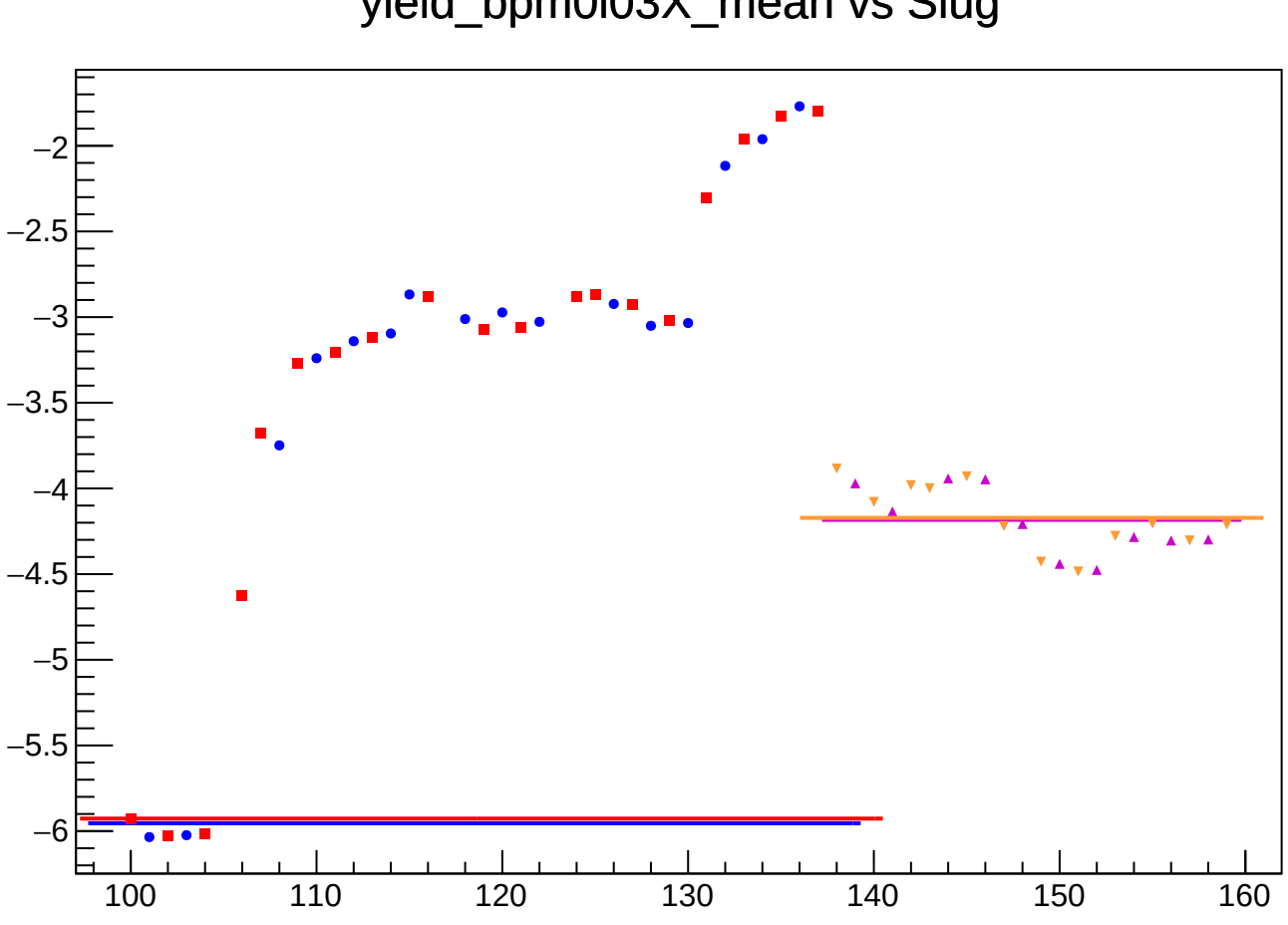
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:430202.4/9

+ sign 0.008+/-0.000 χ^2/NDF: 998465.0/27

All: 0.008+/-0.000 χ^2/NDF: 2028860.0/56

- sign 0.008+/-0.000 χ^2/NDF: 1020363.1/28



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

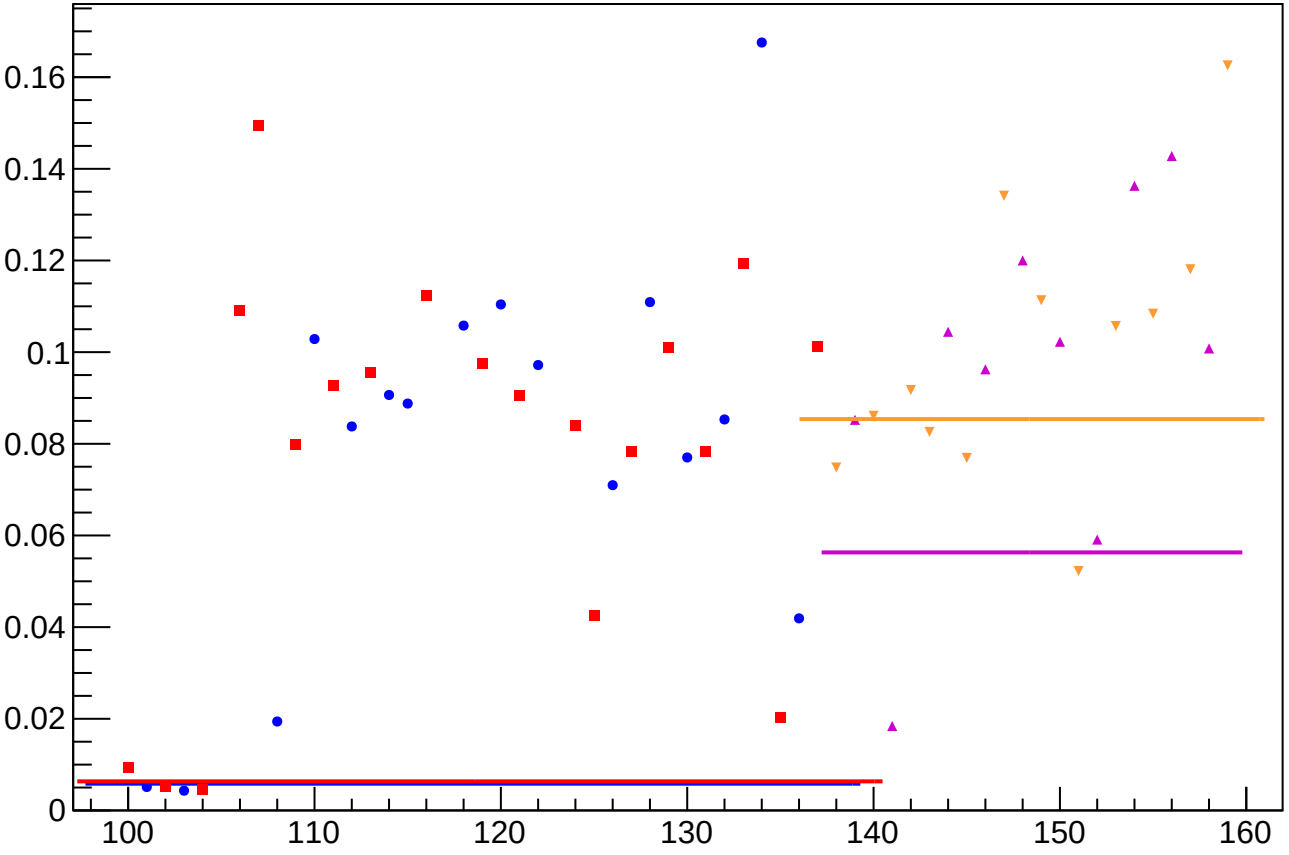
Left In: -4.183+/-0.000 χ^2/NDF:37391272.3/9

+ sign -5.919+/-0.000 χ^2/NDF: 16360169213.9/27

All: -5.898+/-0.000 χ^2/NDF: 34445563037.5/

- sign -5.872+/-0.000 χ^2/NDF: 18031721912.4/28

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

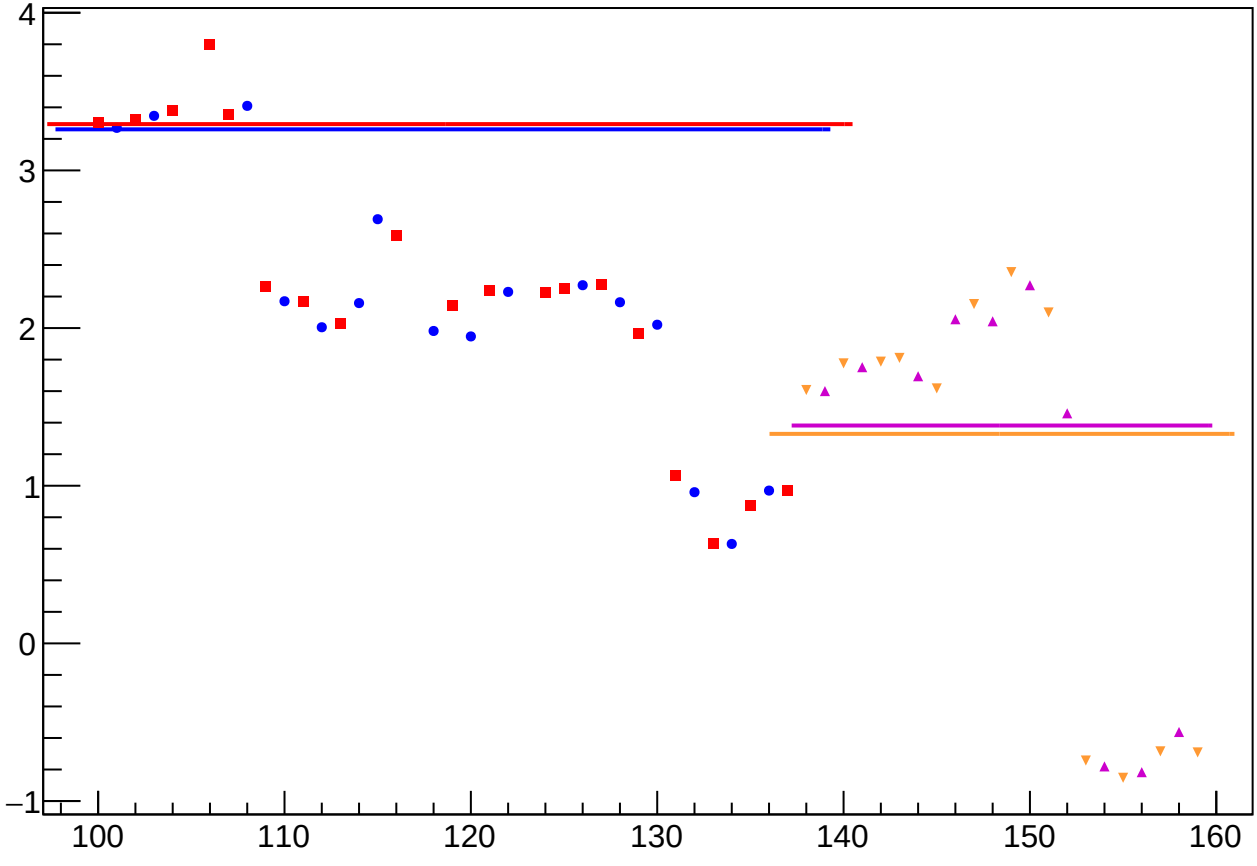
Left In: 0.056+/-0.000 χ^2/NDF:4730208.6/9

+ sign 0.007+/-0.000 χ^2/NDF: 22824820.1/27

All: 0.008+/-0.000 χ^2/NDF: 43004740.4/56

- sign 0.008+/-0.000 χ^2/NDF: 20166867.2/28

yield_bpm0l03Y_mean vs Slug



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

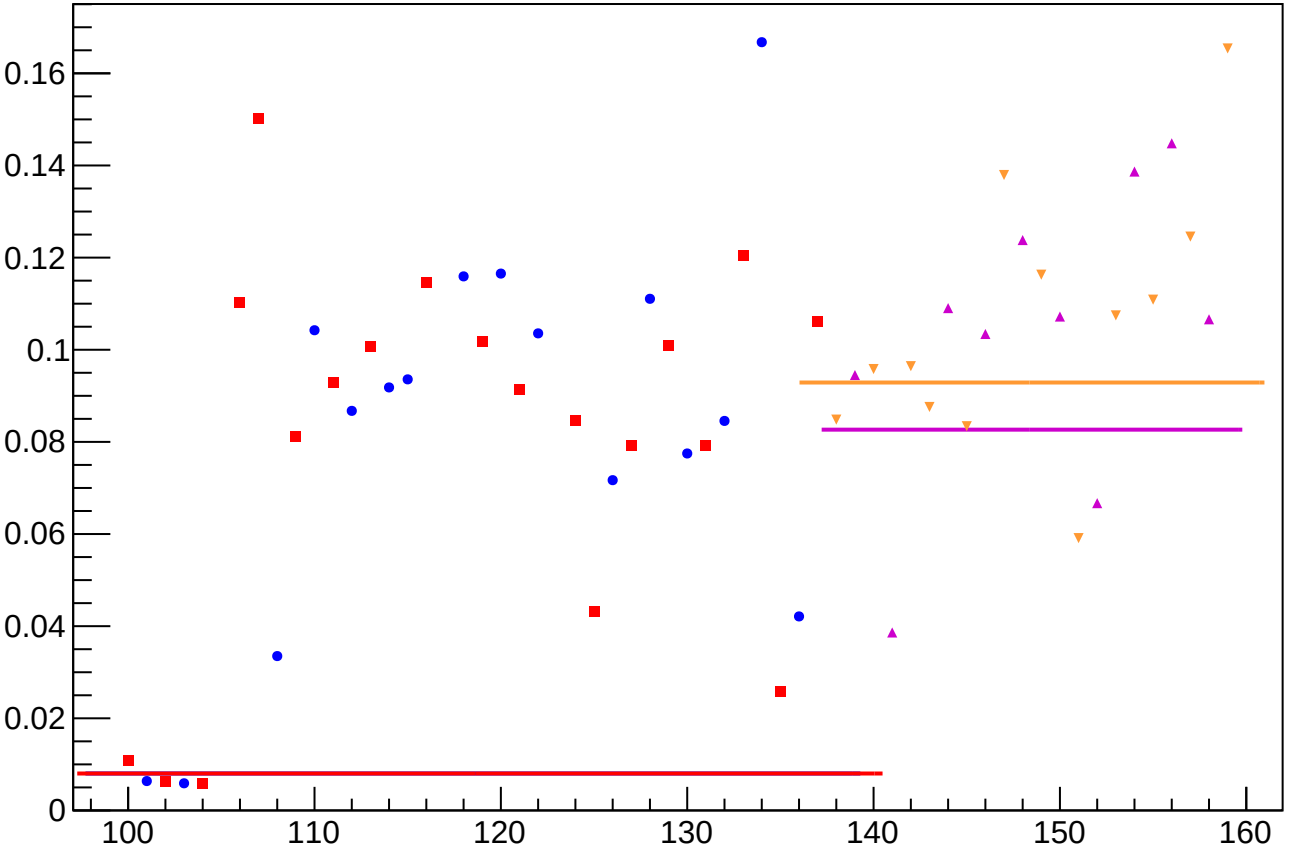
Left In: 1.382+/-0.000 χ^2/NDF:735253074.2/9

+ sign 3.206+/-0.000 χ^2/NDF: 7335521034.1/27

All: 3.222+/-0.000 χ^2/NDF: 14424828843.9/5

- sign 3.238+/-0.000 χ^2/NDF: 7073409158.9/28

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

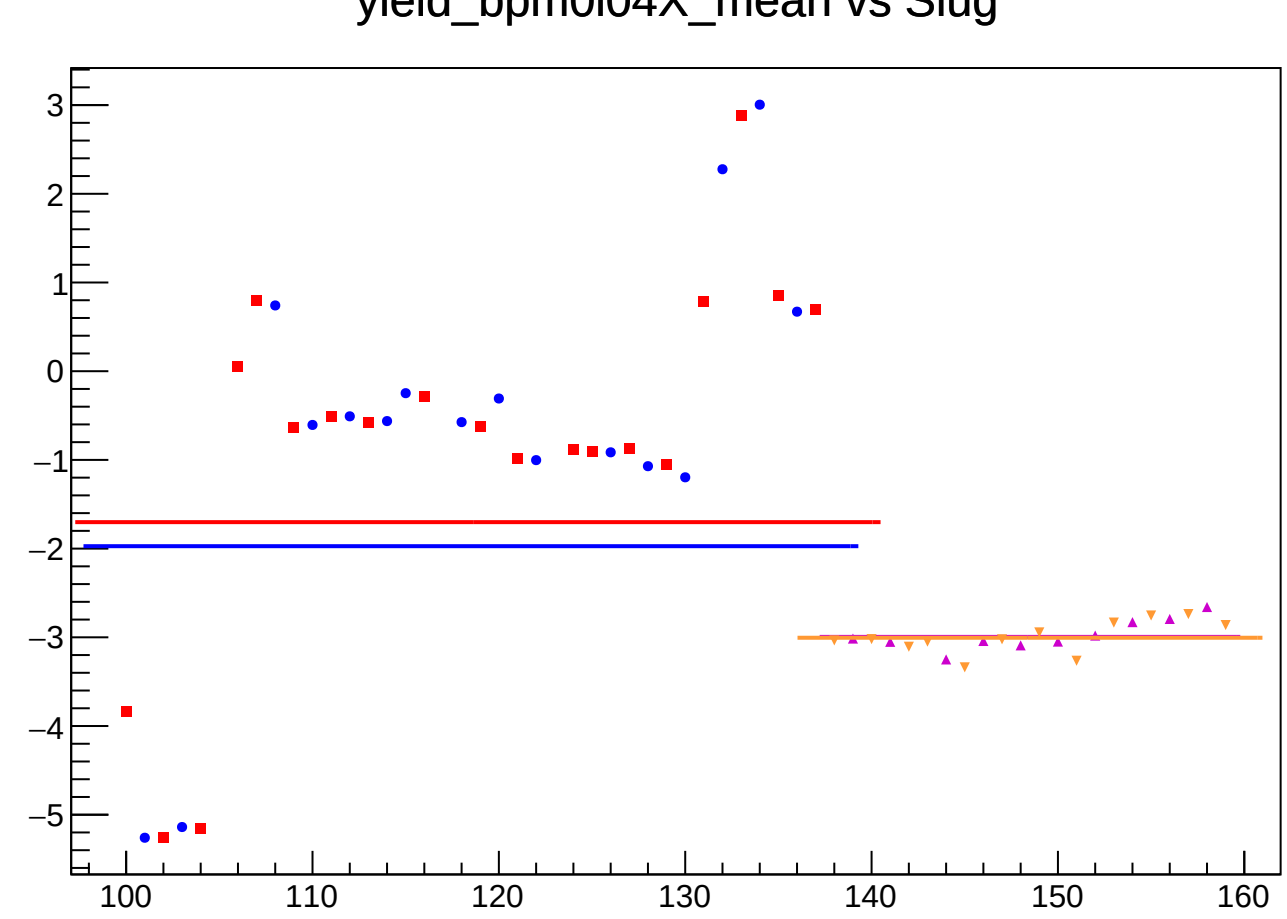
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.083+/-0.000 χ^2/NDF:2044300.8/9

+ sign 0.010+/-0.000 χ^2/NDF: 22031788.3/27

All: 0.010+/-0.000 χ^2/NDF: 42052760.9/56

- sign 0.010+/-0.000 χ^2/NDF: 20019410.1/28



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

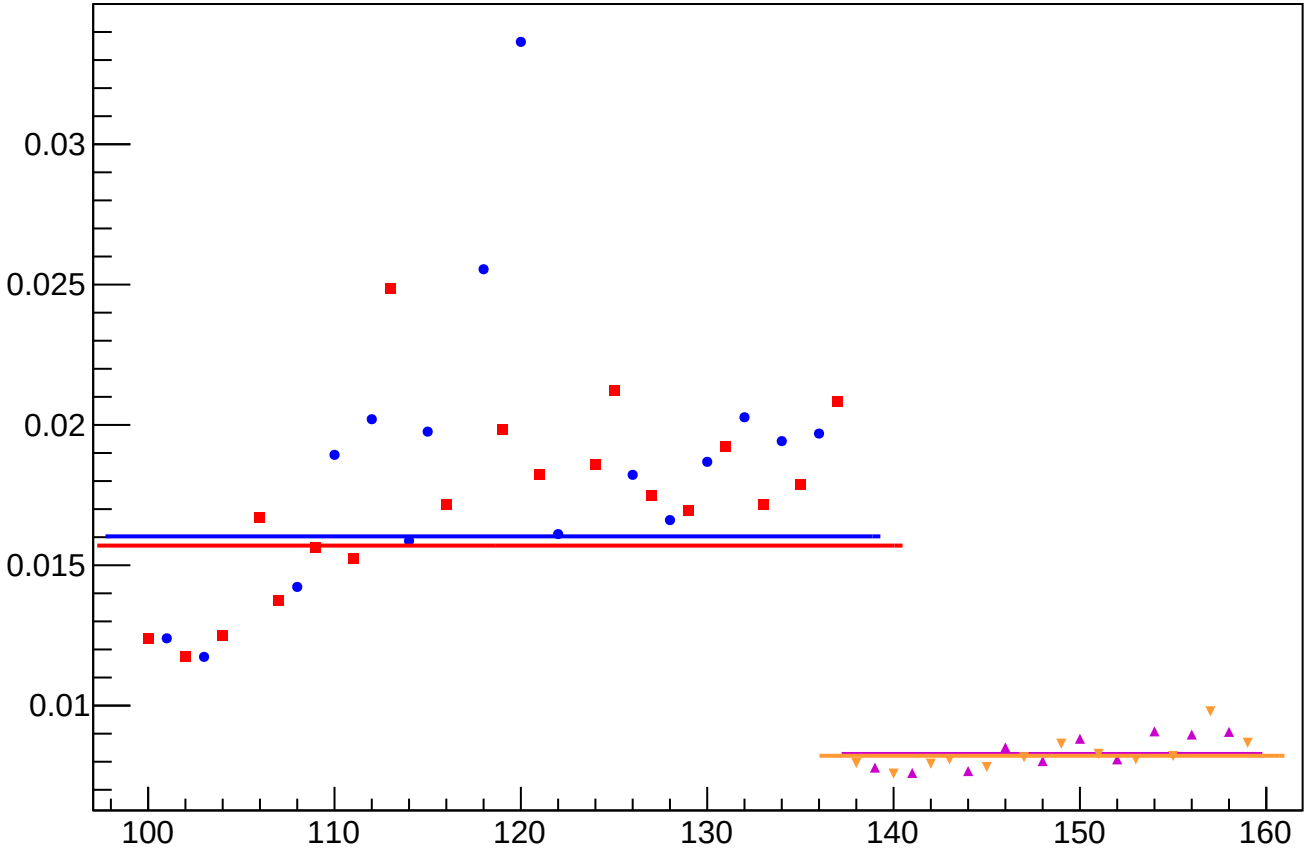
Left In: -2.995+/-0.000 χ^2/NDF:2976975390.1/9

+ sign -2.855+/-0.000 χ^2/NDF: 186801824006.1/27

All: -2.812+/-0.000 χ^2/NDF: 394110755886.9

- sign -2.766+/-0.000 χ^2/NDF: 206713335237.9/28

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

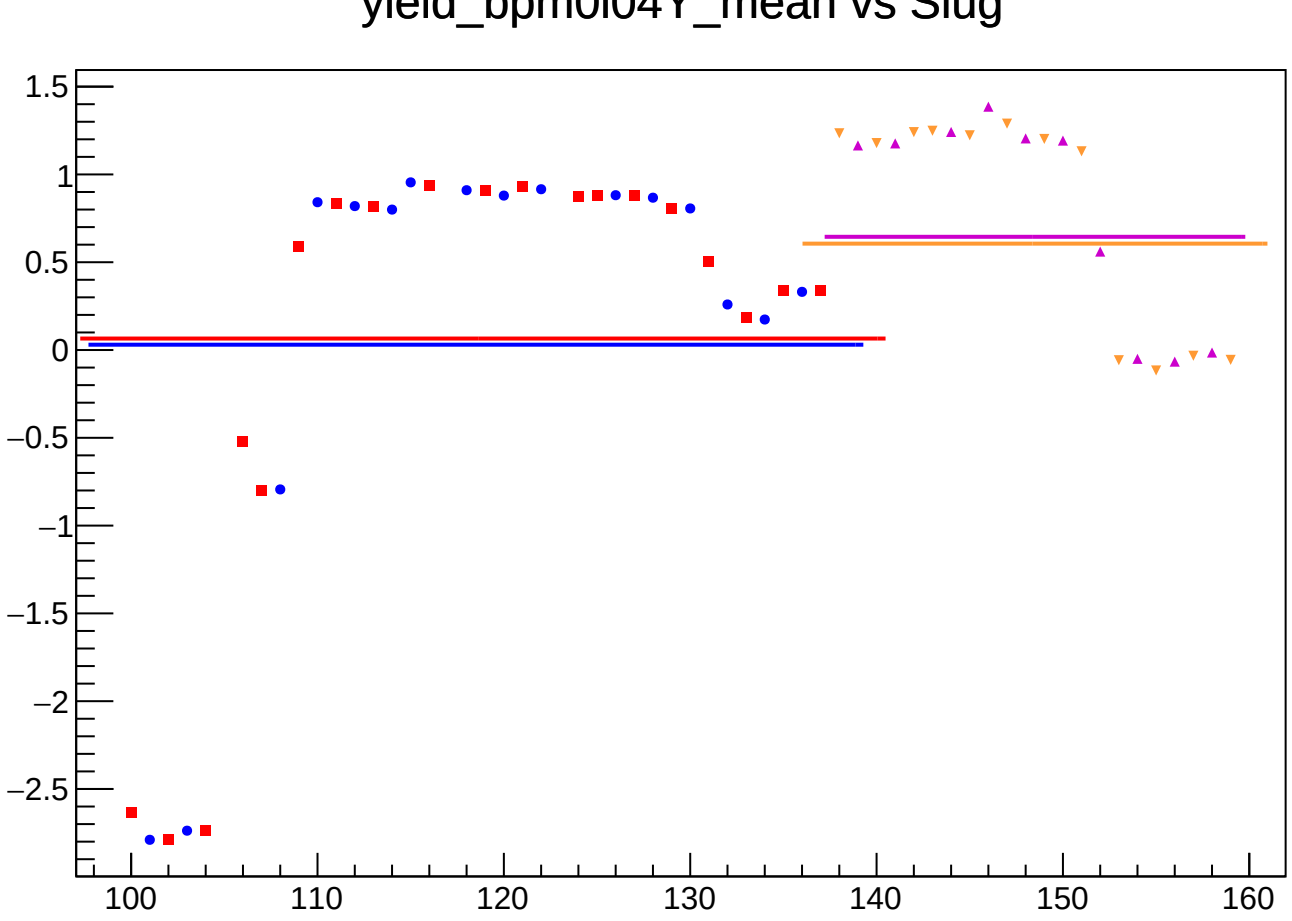
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:75683.6/9

+ sign 0.009+/-0.000 χ^2/NDF: 3170405.2/27

All: 0.009+/-0.000 χ^2/NDF: 6103748.6/56

- sign 0.010+/-0.000 χ^2/NDF: 2924372.6/28



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.606+/-0.000 χ^2/NDF:63205187824.8/11

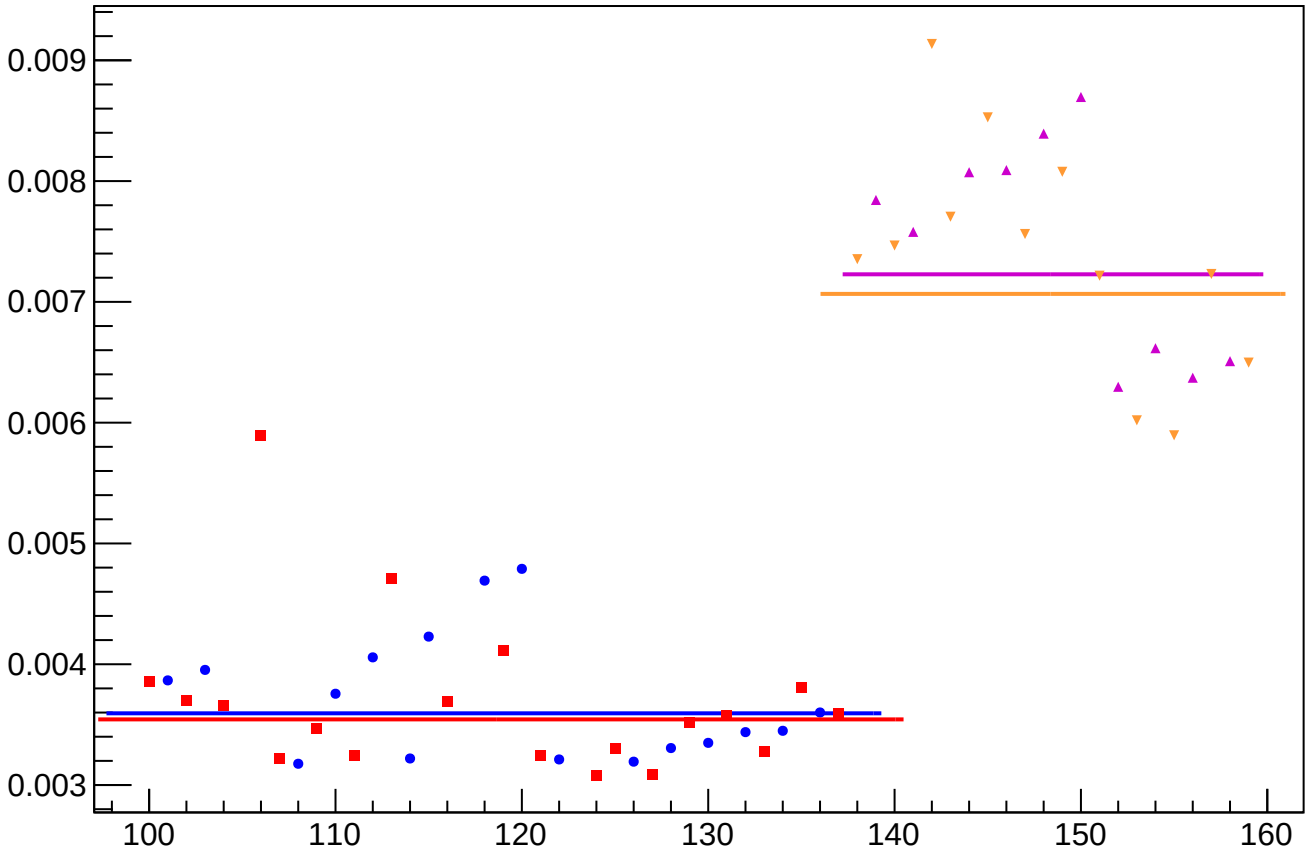
Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.645+/-0.000 χ^2/NDF:47073167454.5/9

+ sign 0.161+/-0.000 χ^2/NDF: 954050298645.8/27

All: 0.170+/-0.000 χ^2/NDF: 1973211655518.

- sign 0.178+/-0.000 χ^2/NDF: 1019061810118.3/28



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:230479.3/11

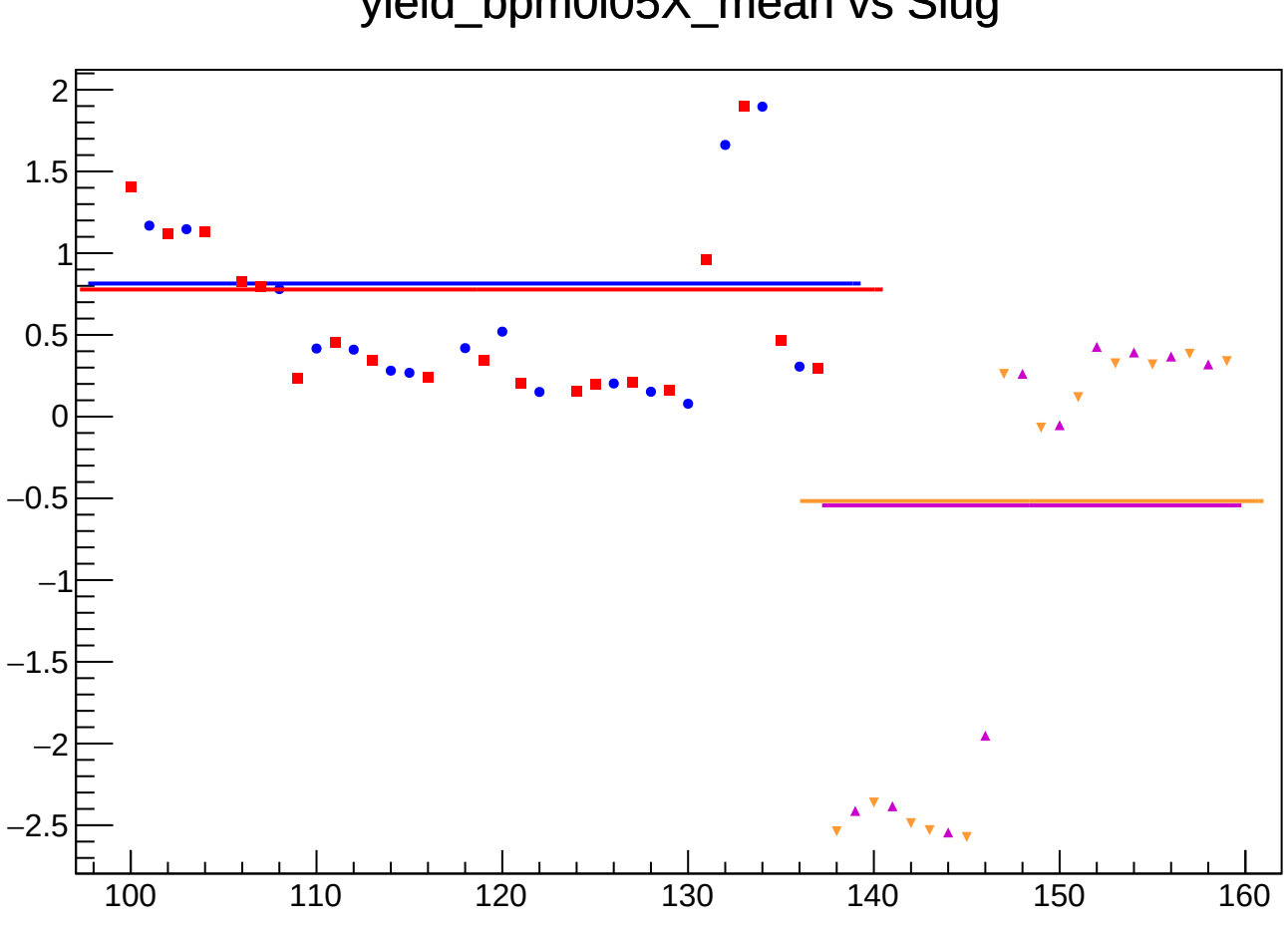
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:199644.3/9

+ sign 0.004+/-0.000 χ^2/NDF: 3261676.5/27

All: 0.004+/-0.000 χ^2/NDF: 6649111.9/56

- sign 0.004+/-0.000 χ^2/NDF: 3377211.2/28



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

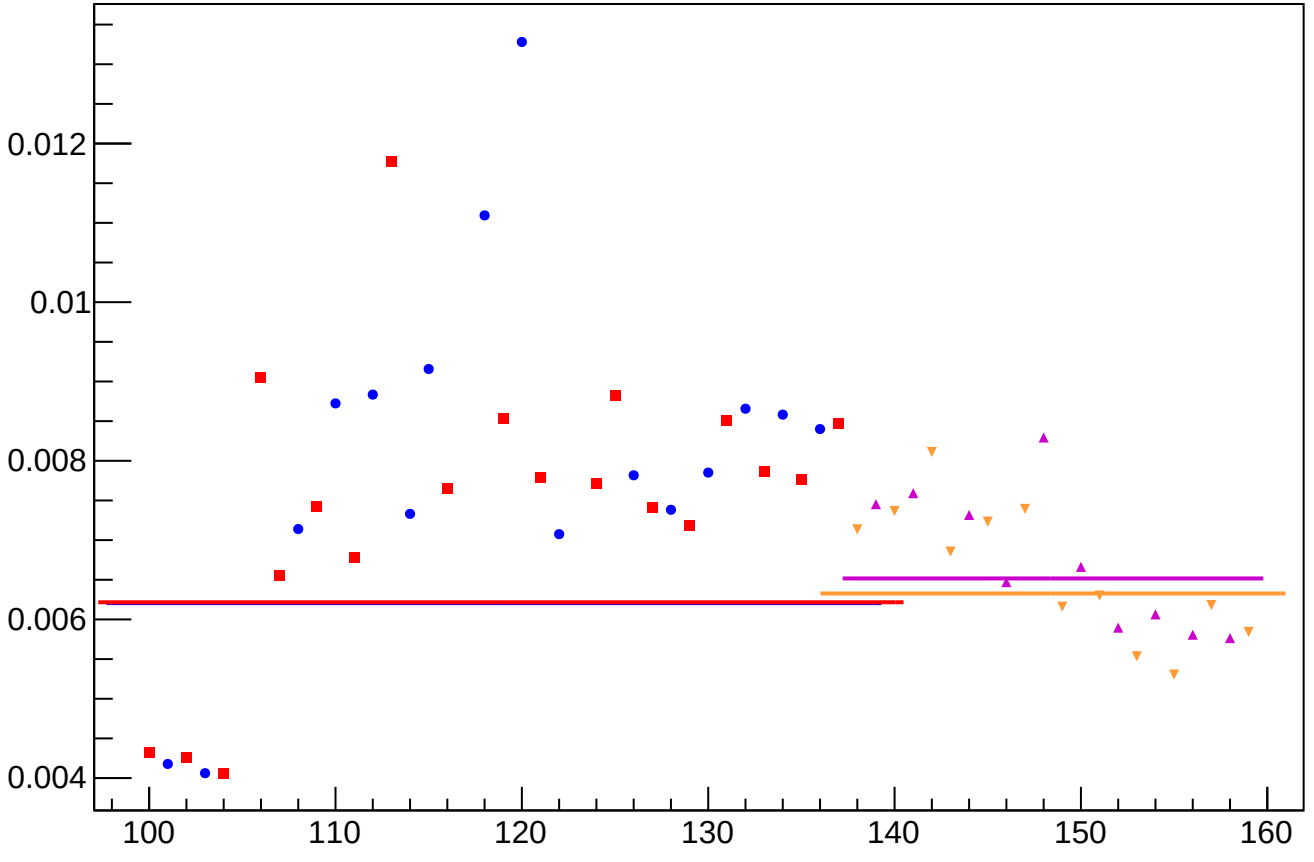
Left In: -0.543+/-0.000 χ^2/NDF:273565801268.8/9

+ sign 0.030+/-0.000 χ^2/NDF: 503937314728.7/27

All: 0.048+/-0.000 χ^2/NDF: 958296876548.6

- sign 0.067+/-0.000 χ^2/NDF: 454123636071.9/28

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

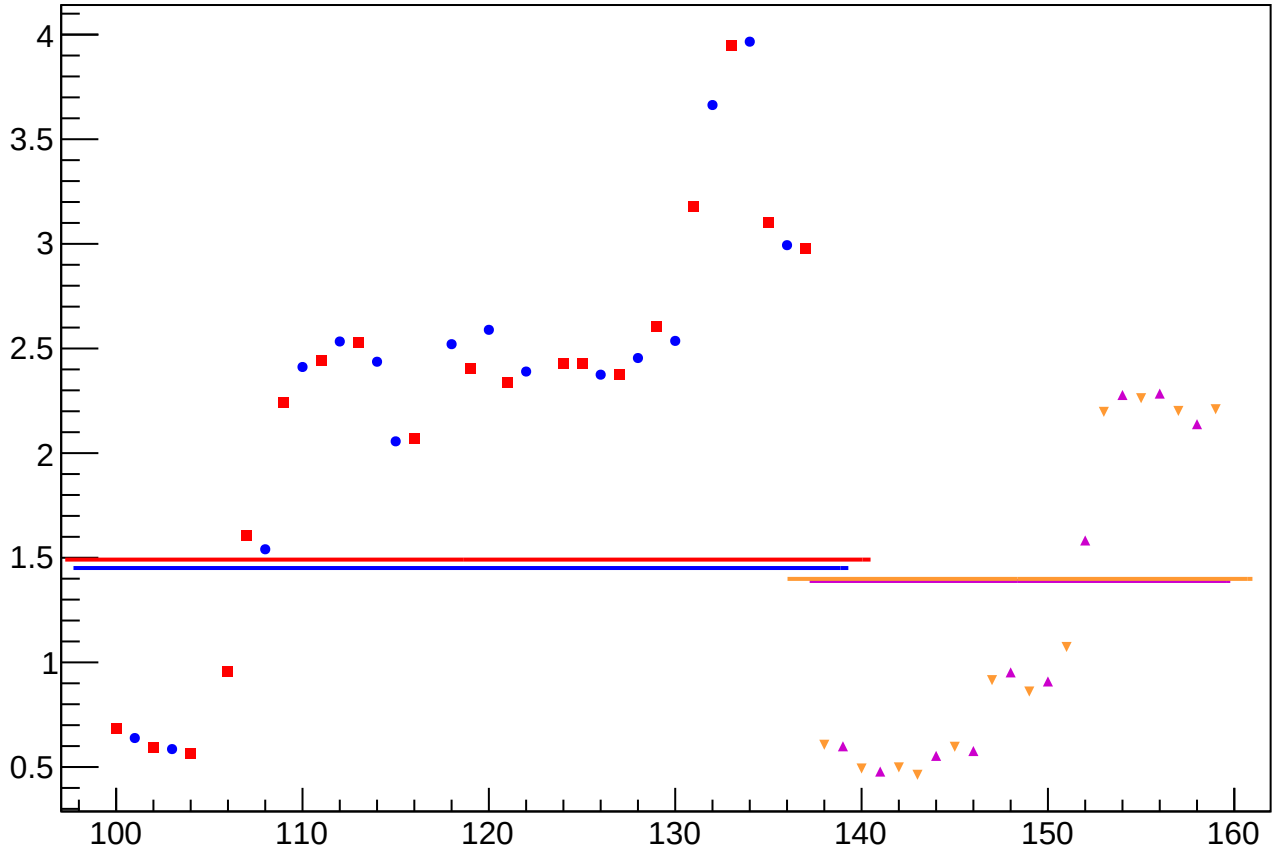
Left In: 0.007+/-0.000 χ^2/NDF:219392.2/9

+ sign 0.006+/-0.000 χ^2/NDF: 1669974.9/27

All: 0.006+/-0.000 χ^2/NDF: 3069046.8/56

- sign 0.006+/-0.000 χ^2/NDF: 1395600.7/28

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

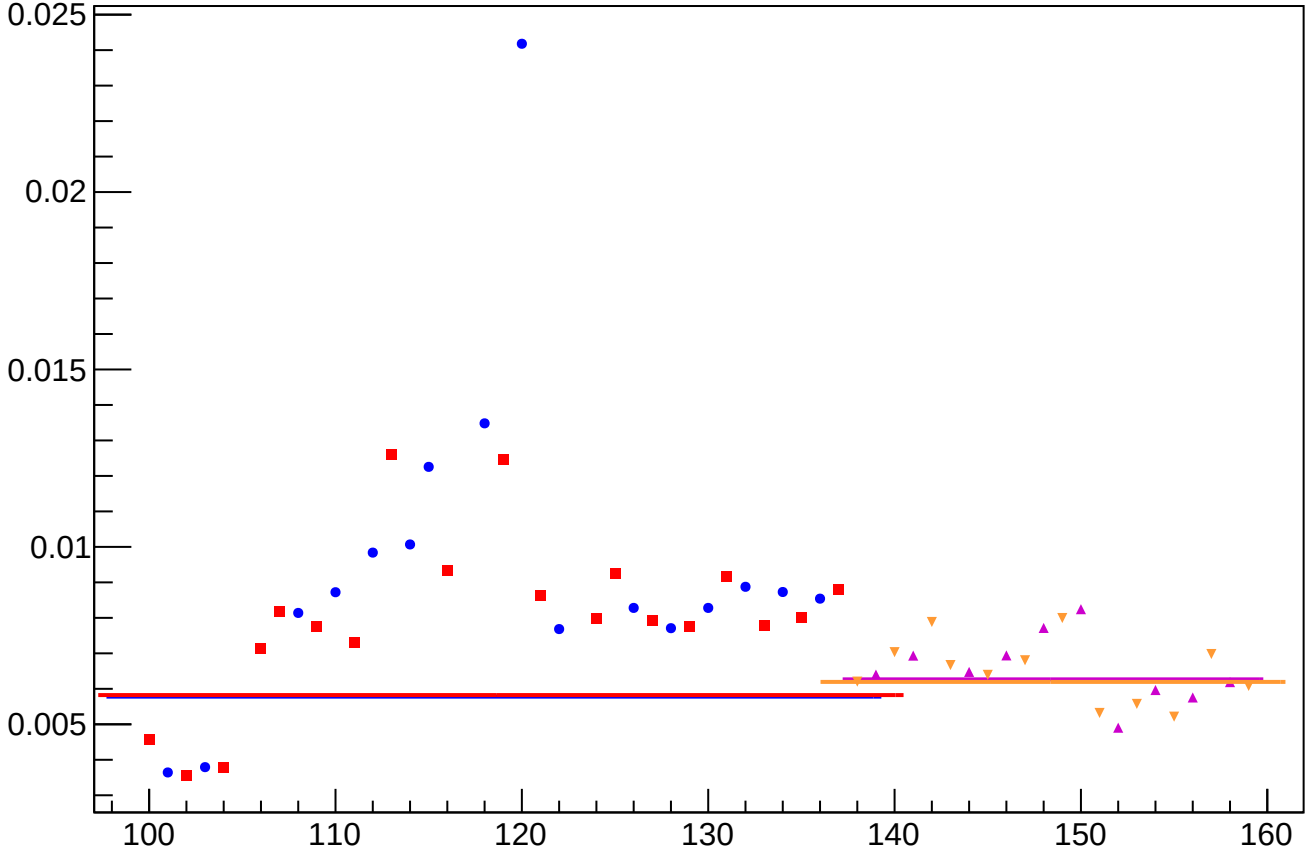
Left In: 1.389+/-0.000 χ^2/NDF:90901095493.4/9

+ sign 1.422+/-0.000 χ^2/NDF: 280309161443.0/27

All: 1.430+/-0.000 χ^2/NDF: 559076478449.0

- sign 1.439+/-0.000 χ^2/NDF: 278719494156.9/28

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

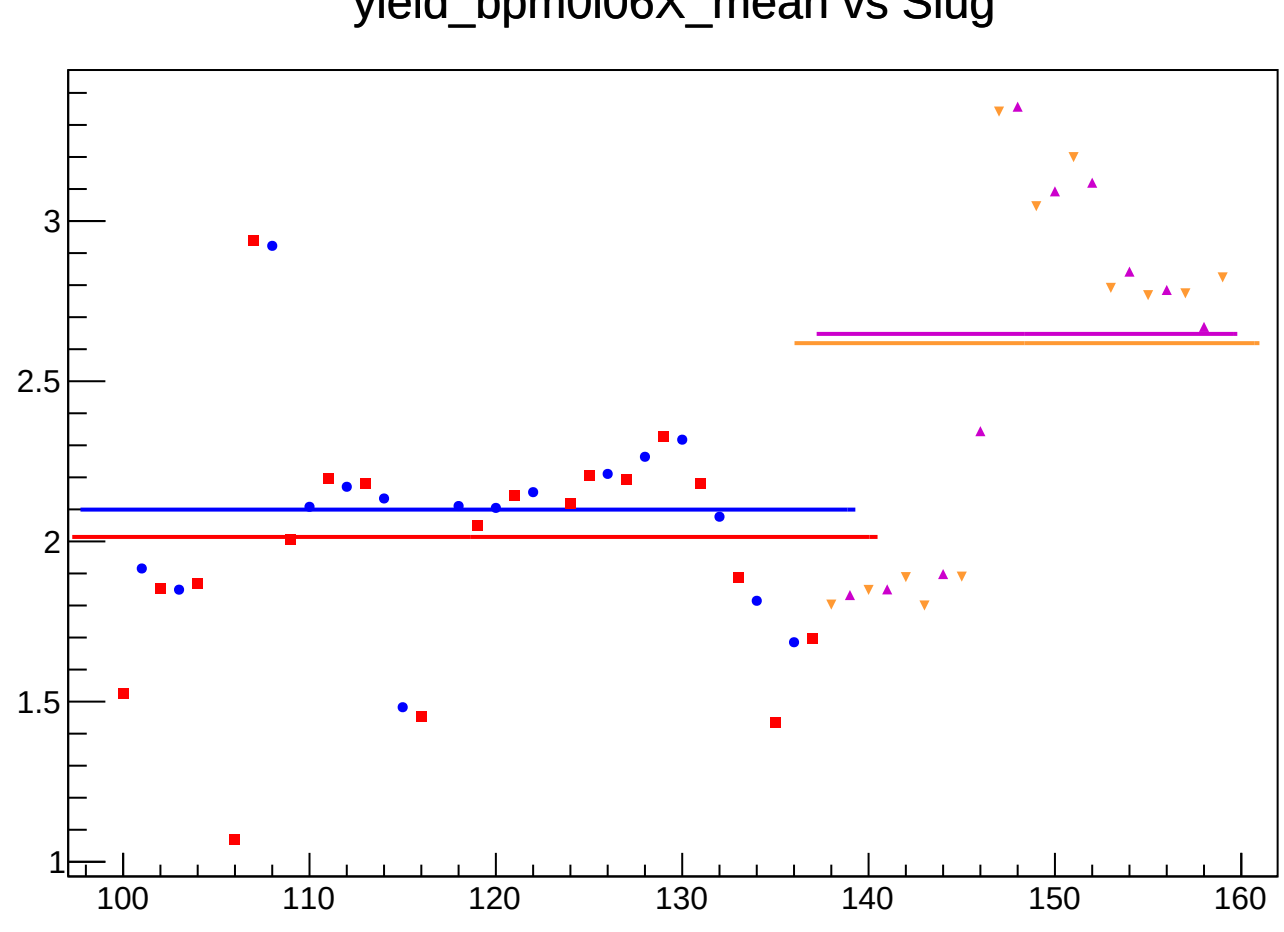
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:277049.4/9

+ sign 0.006+/-0.000 χ^2/NDF: 2493148.6/27

All: 0.006+/-0.000 χ^2/NDF: 4758993.9/56

- sign 0.006+/-0.000 χ^2/NDF: 2265345.6/28



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.619+/-0.000 χ^2/NDF:40847103439.5/11

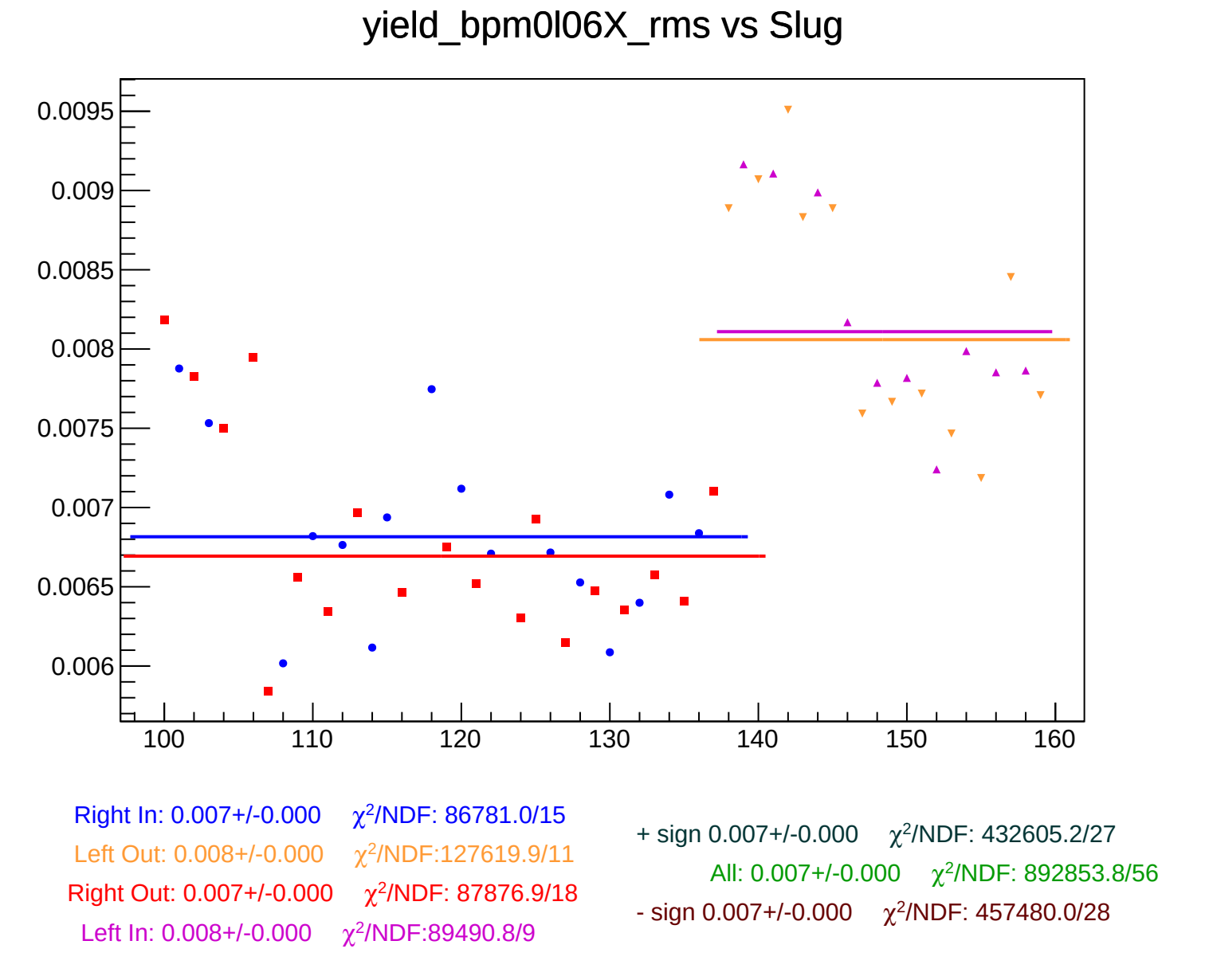
Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

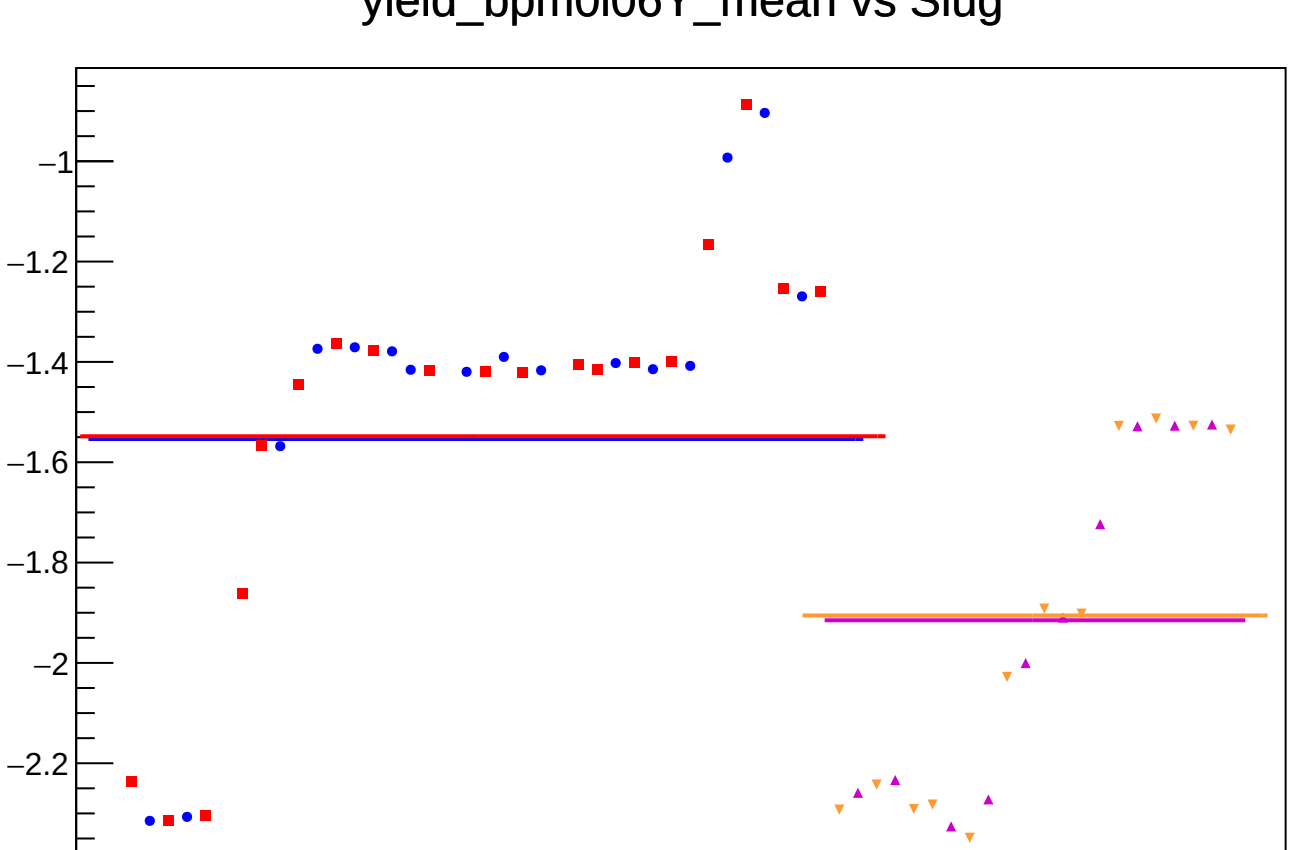
Left In: 2.648+/-0.000 χ^2/NDF:33237728937.8/9

+ sign 2.349+/-0.000 χ^2/NDF: 73819976213.0/27

All: 2.320+/-0.000 χ^2/NDF: 155184181234.7

- sign 2.292+/-0.000 χ^2/NDF: 80902716476.5/28


yield_bpm0l06X_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 86781.0/15
Left Out: 0.008+/-0.000 χ²/NDF:127619.9/11
Right Out: 0.007+/-0.000 χ²/NDF: 87876.9/18
Left In: 0.008+/-0.000 χ²/NDF:89490.8/9
+ sign 0.007+/-0.000 χ²/NDF: 432605.2/27
All: 0.007+/-0.000 χ²/NDF: 892853.8/56
- sign 0.007+/-0.000 χ²/NDF: 457480.0/28



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

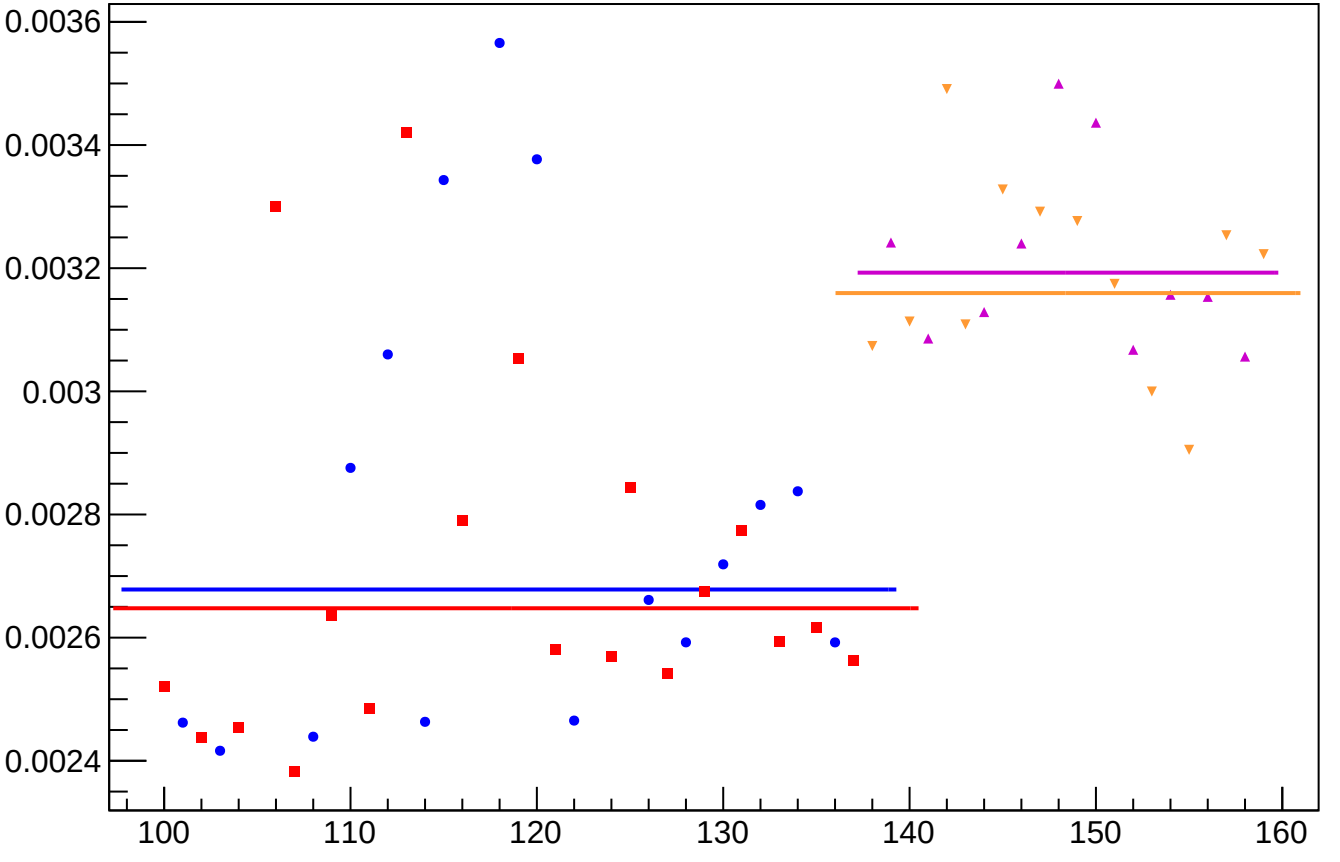
Left In: -1.915+/-0.000 χ^2/NDF:81605805181.5/9

+ sign -1.722+/-0.000 χ^2/NDF: 326657020310.1/27

All: -1.715+/-0.000 χ^2/NDF: 642039216597.0

- sign -1.709+/-0.000 χ^2/NDF: 315220685259.8/28

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

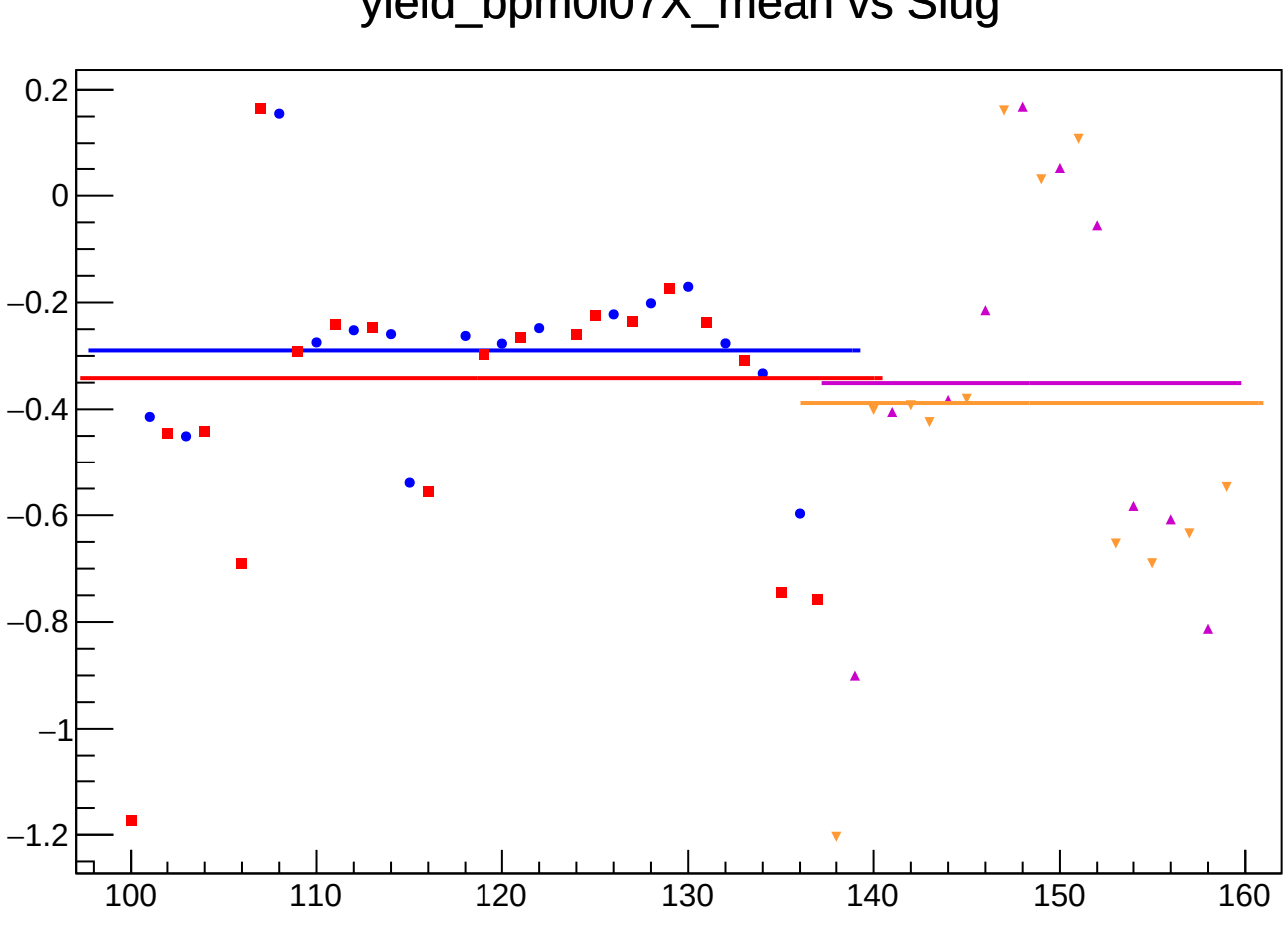
Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

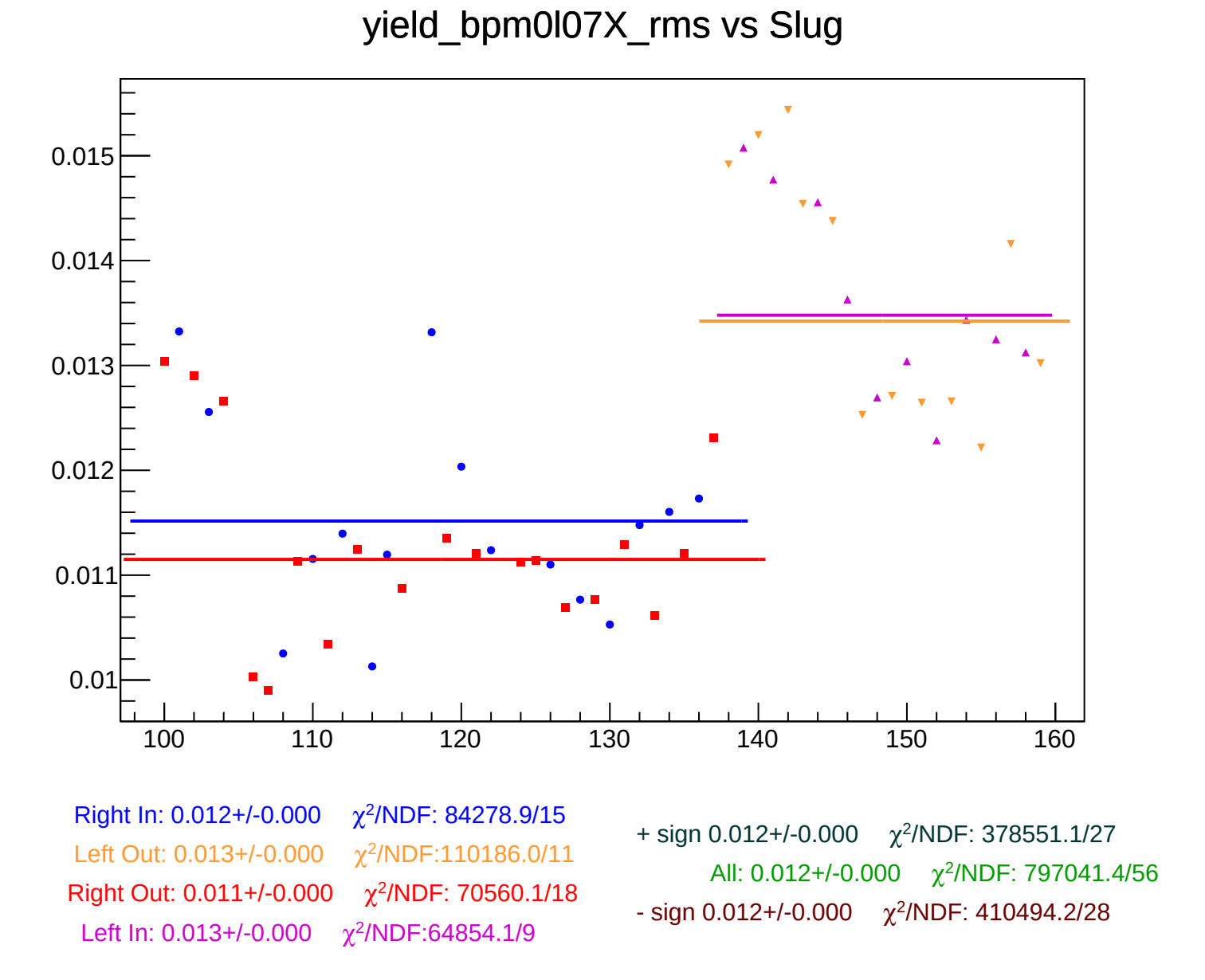
Left In: 0.003+/-0.000 χ^2/NDF:29693.1/9

+ sign 0.003+/-0.000 χ^2/NDF: 401027.7/27

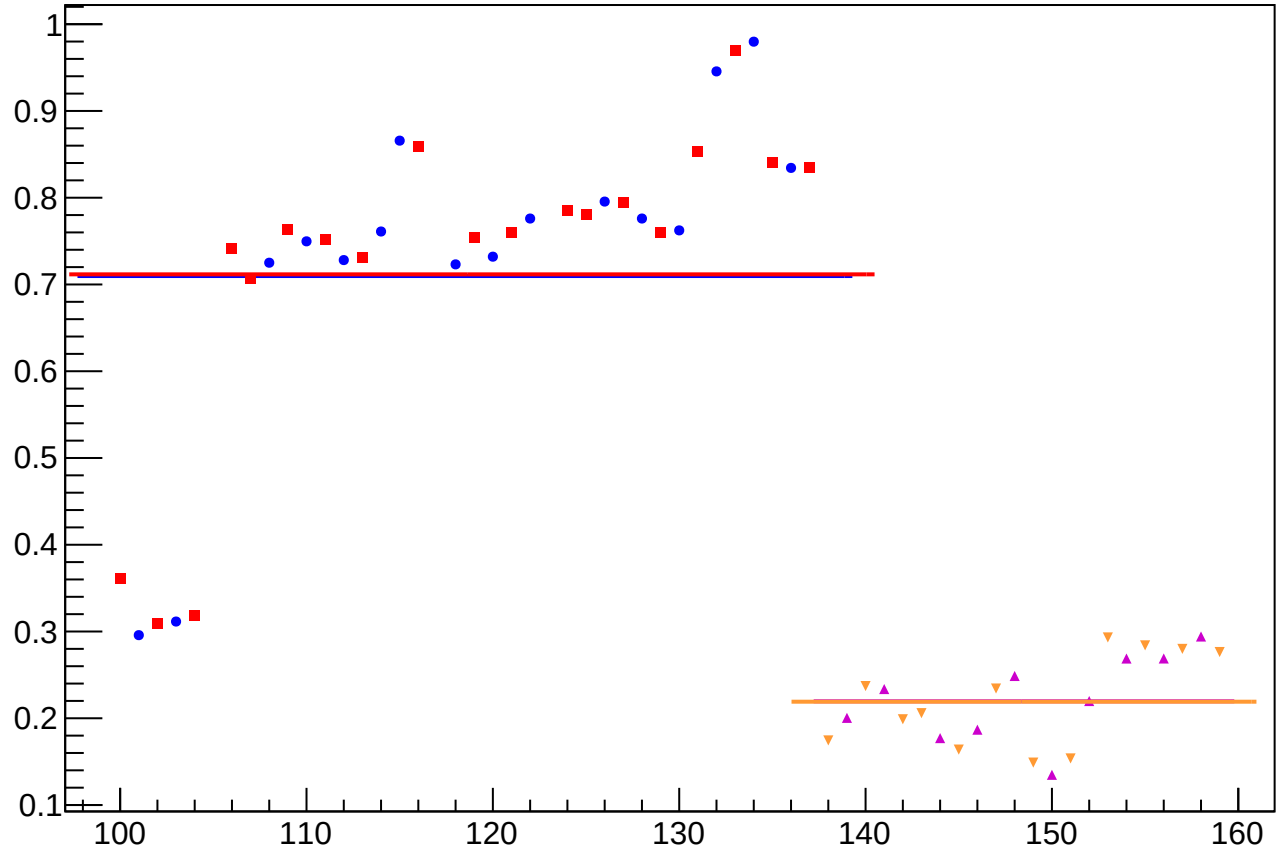
All: 0.003+/-0.000 χ^2/NDF: 807780.1/56

- sign 0.003+/-0.000 χ^2/NDF: 405839.2/28


yield_bpm0l07X_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
Right In: -0.290+/-0.000 χ²/NDF: 1645174238.4/15
Left Out: -0.388+/-0.000 χ²/NDF:6924040067.6/11
Right Out: -0.342+/-0.000 χ²/NDF: 2609243421.7/18
Left In: -0.351+/-0.000 χ²/NDF:5338577210.9/9
+ sign -0.338+/-0.000 χ²/NDF: 8814517941.4/27
All: -0.342+/-0.000 χ²/NDF: 16767843170.8/
- sign -0.346+/-0.000 χ²/NDF: 7949997122.4/28


yield_bpm0l07X_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
110
120
130
140
150
160
Right In: 0.012+/-0.000 χ²/NDF: 84278.9/15
Left Out: 0.013+/-0.000 χ²/NDF:110186.0/11
Right Out: 0.011+/-0.000 χ²/NDF: 70560.1/18
Left In: 0.013+/-0.000 χ²/NDF:64854.1/9
+ sign 0.012+/-0.000 χ²/NDF: 378551.1/27
All: 0.012+/-0.000 χ²/NDF: 797041.4/56
- sign 0.012+/-0.000 χ²/NDF: 410494.2/28

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

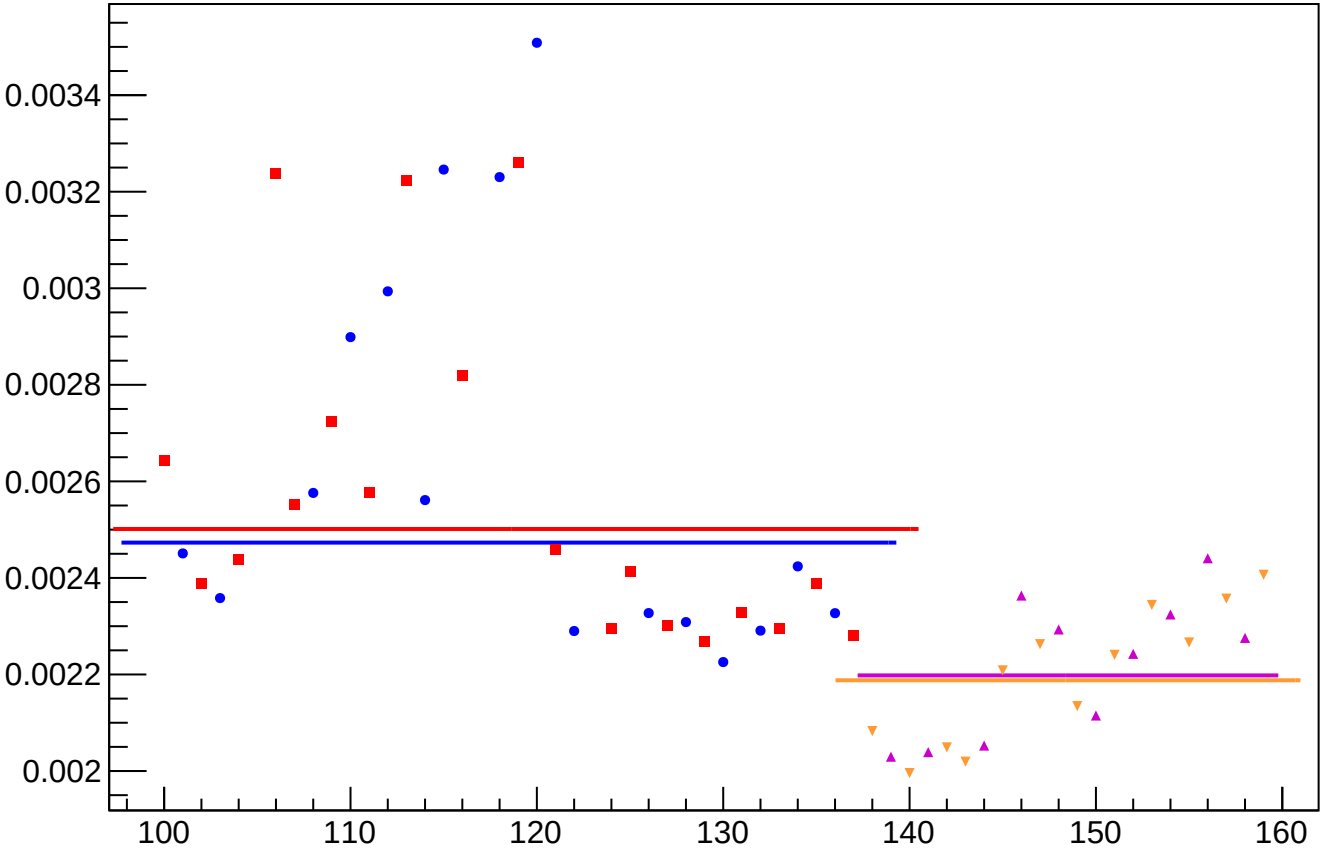
Left In: 0.220+/-0.000 χ^2/NDF:3901523341.2/9

+ sign 0.397+/-0.000 χ^2/NDF: 225124836489.4/27

All: 0.403+/-0.000 χ^2/NDF: 440167591789.6

- sign 0.410+/-0.000 χ^2/NDF: 214774308047.4/28

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

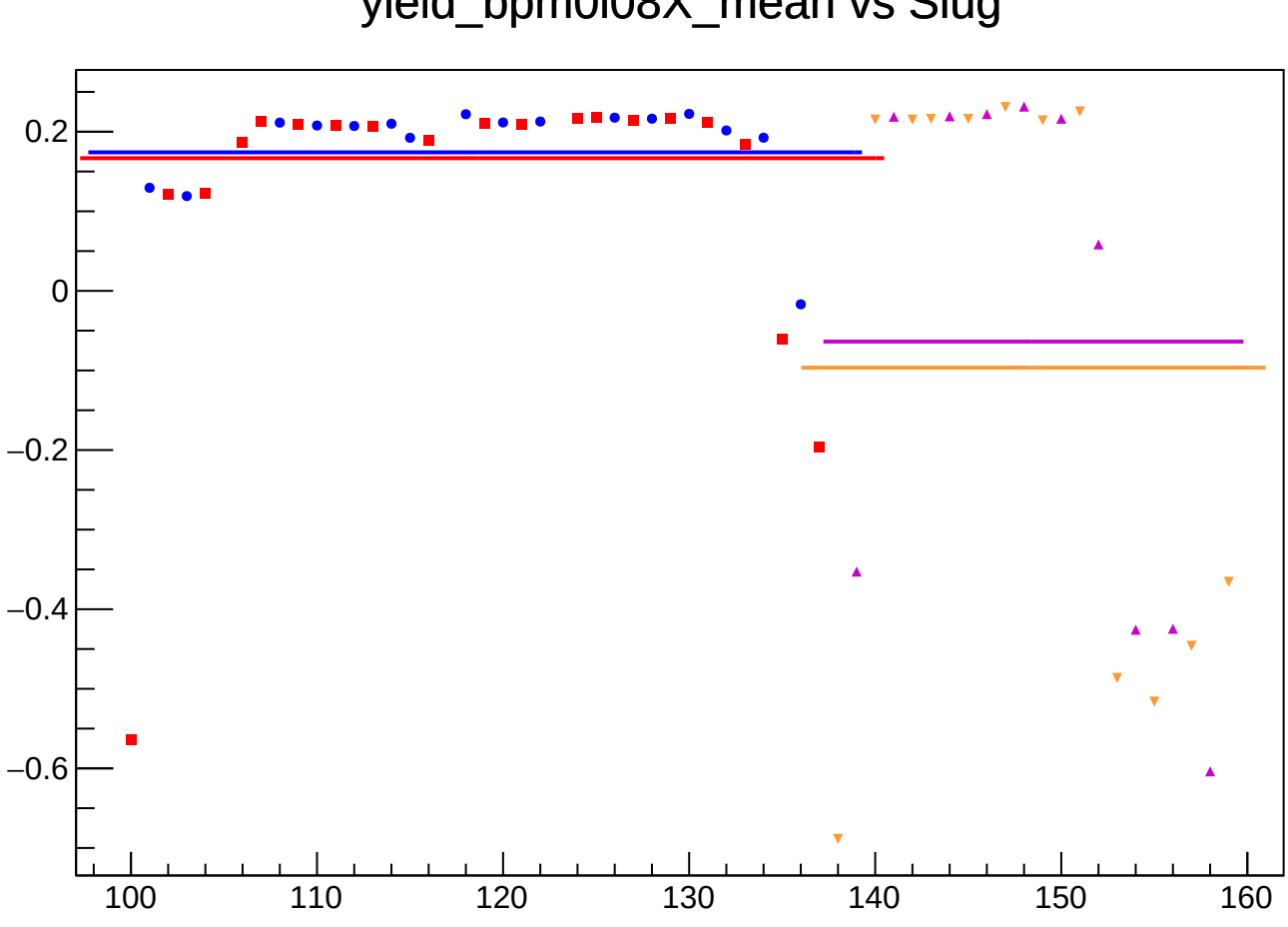
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:69339.8/9

+ sign 0.002+/-0.000 χ^2/NDF: 393949.7/27

All: 0.002+/-0.000 χ^2/NDF: 769125.0/56

- sign 0.002+/-0.000 χ^2/NDF: 373405.9/28



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

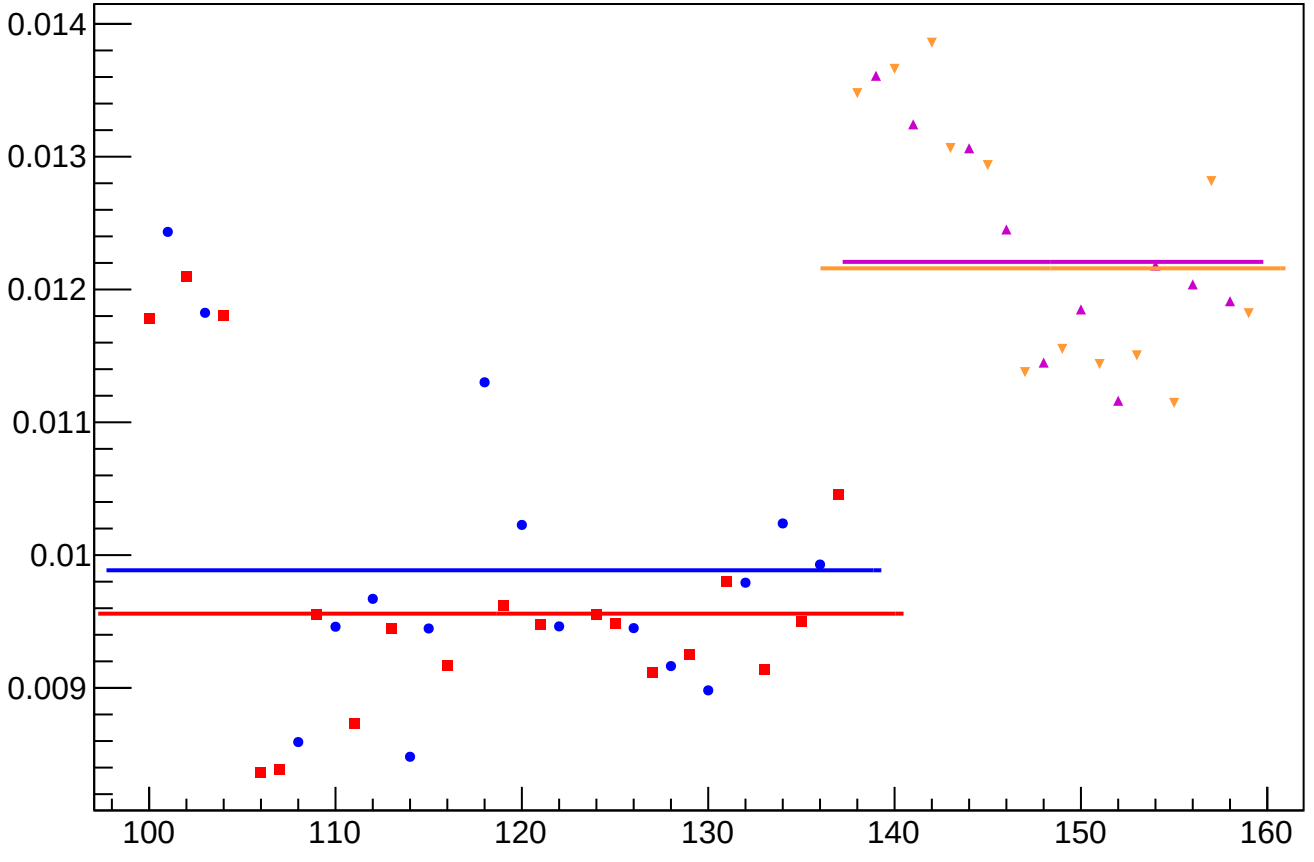
Left In: -0.064+/-0.000 χ^2/NDF:5841916280.9/9

+ sign 0.049+/-0.000 χ^2/NDF: 10520834859.4/27

All: 0.061+/-0.000 χ^2/NDF: 19008523104.1/5

- sign 0.072+/-0.000 χ^2/NDF: 8452733042.1/28

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

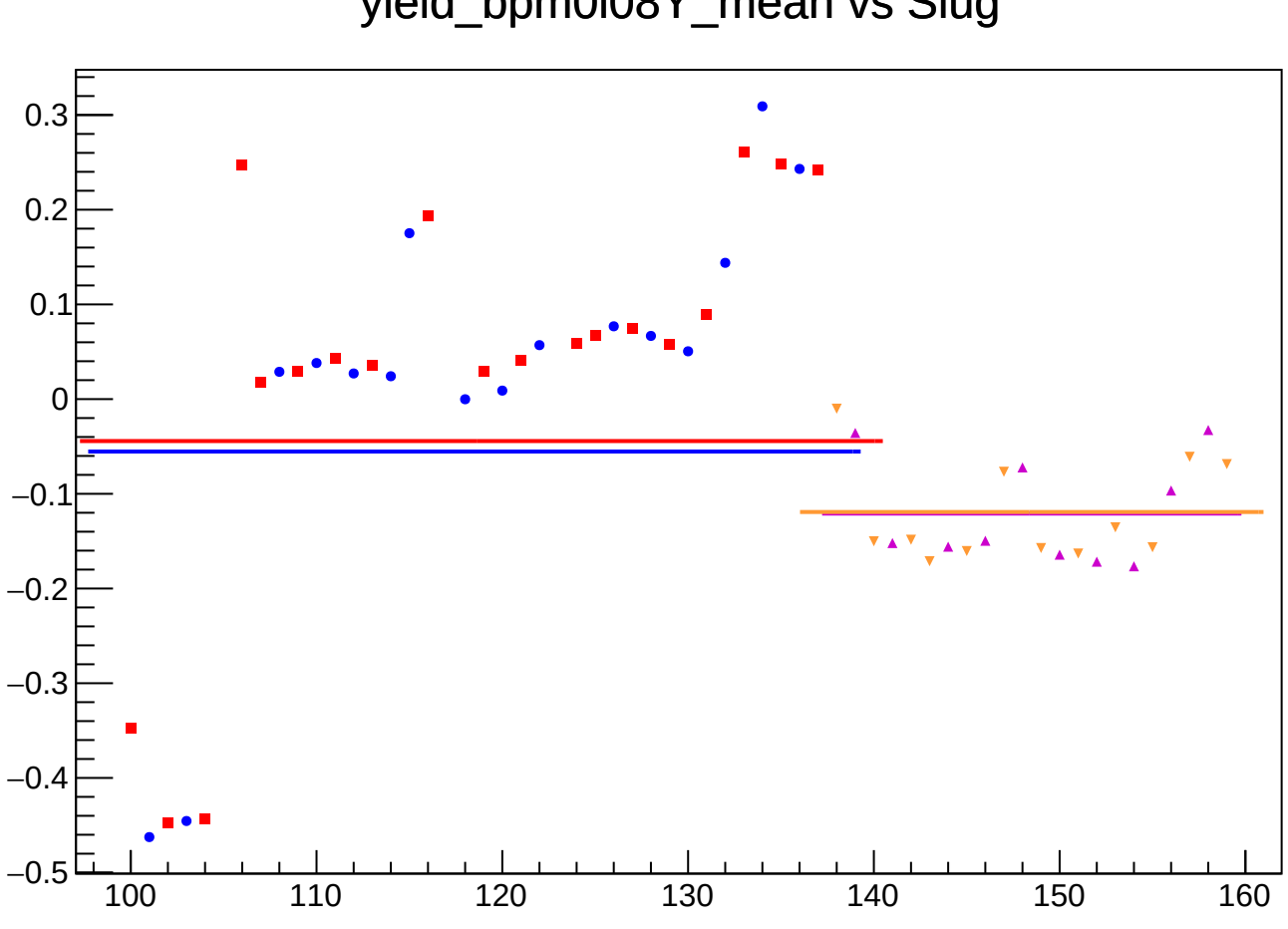
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:59012.3/9

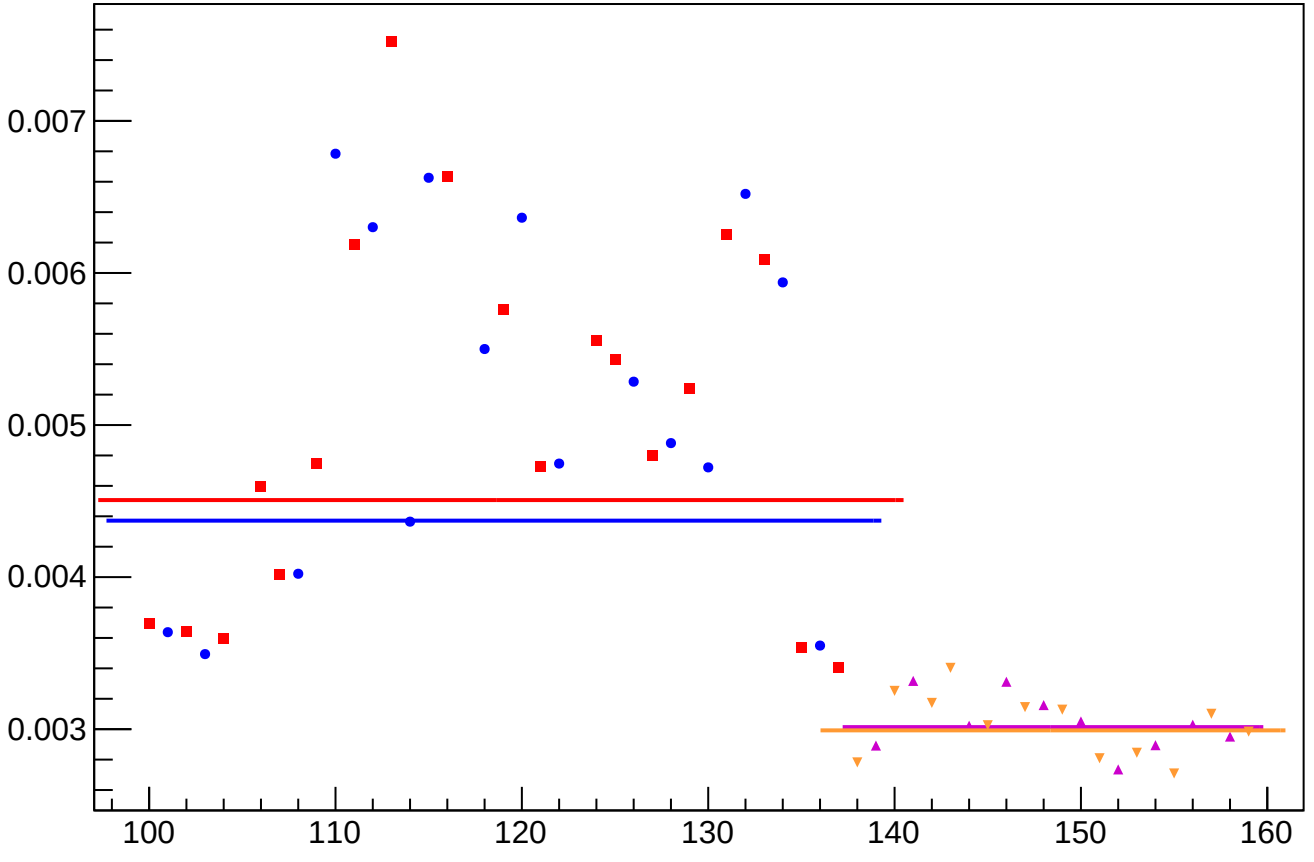
+ sign 0.011+/-0.000 χ^2/NDF: 582168.1/27

All: 0.011+/-0.000 χ^2/NDF: 1242063.1/56

- sign 0.011+/-0.000 χ^2/NDF: 648844.5/28


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:2720777301.9/9
+ sign -0.104+/-0.000 χ²/NDF: 27765432146.5/27
All: -0.102+/-0.000 χ²/NDF: 53994504708.9/
- sign -0.101+/-0.000 χ²/NDF: 26224566435.6/28

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

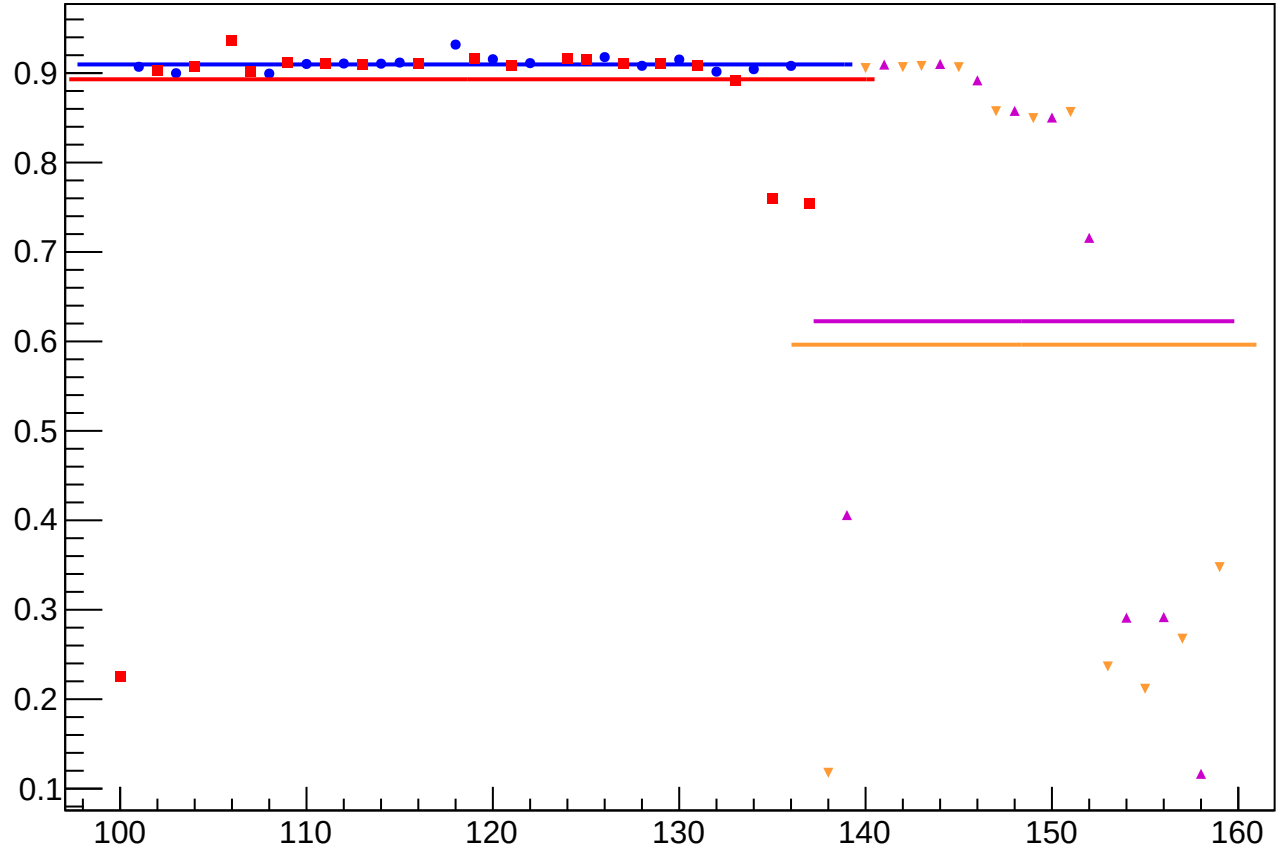
Left In: 0.003+/-0.000 χ^2/NDF:53146.7/9

+ sign 0.003+/-0.000 χ^2/NDF: 1659992.1/27

All: 0.003+/-0.000 χ^2/NDF: 3464102.1/56

- sign 0.003+/-0.000 χ^2/NDF: 1797206.4/28

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

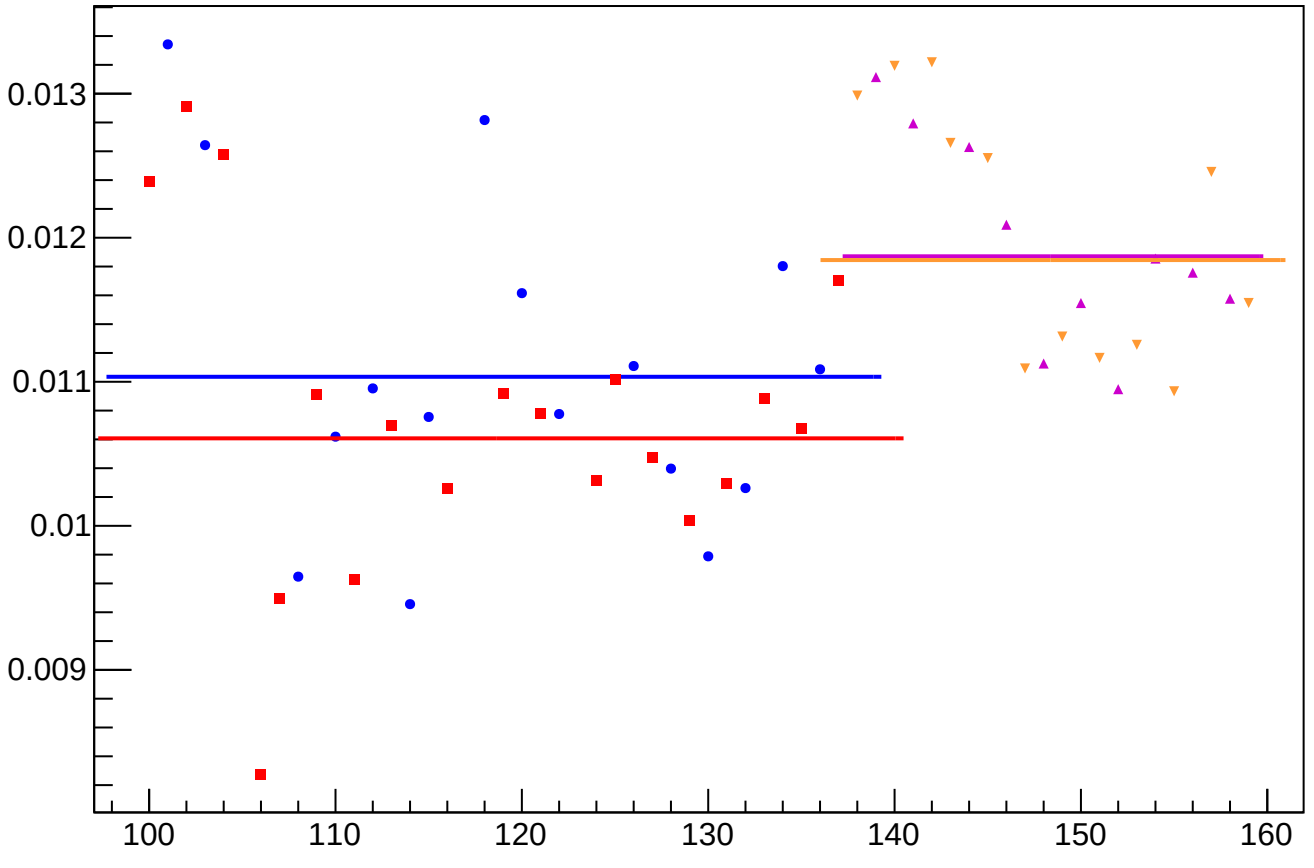
Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.623+/-0.000 χ^2/NDF:5141583312.8/9

+ sign 0.743+/-0.000 χ^2/NDF: 9497994121.9/27

All: 0.754+/-0.000 χ^2/NDF: 17229705088.2/5

- sign 0.764+/-0.000 χ^2/NDF: 7705507105.1/28



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:84227.9/11

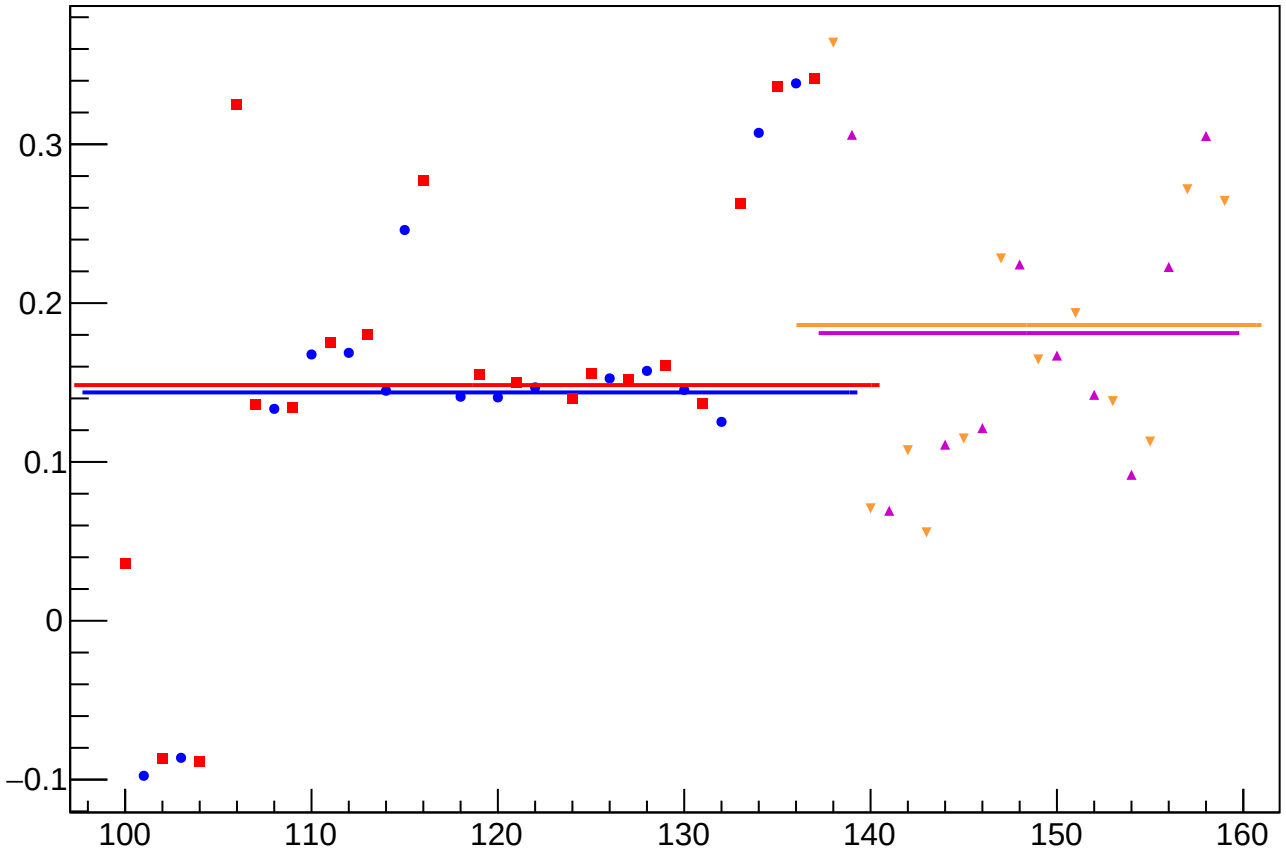
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:51246.8/9

+ sign 0.011+/-0.000 χ^2/NDF: 253923.0/27

All: 0.011+/-0.000 χ^2/NDF: 554596.1/56

- sign 0.011+/-0.000 χ^2/NDF: 292792.9/28



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

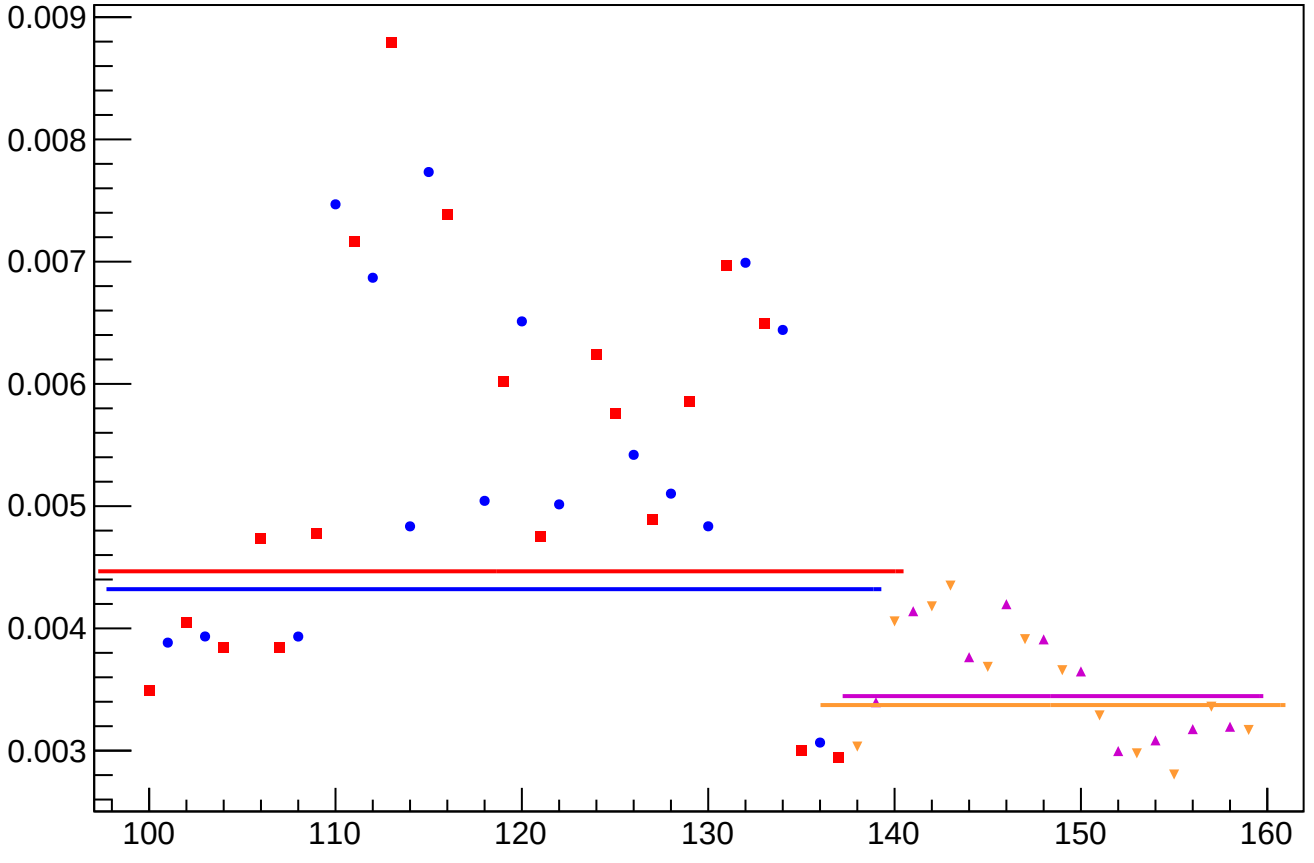
Left In: 0.181+/-0.000 χ^2/NDF:4358537488.7/9

+ sign 0.174+/-0.000 χ^2/NDF: 14096535832.5/27

All: 0.172+/-0.000 χ^2/NDF: 25807602573.0/5

- sign 0.171+/-0.000 χ^2/NDF: 11706683299.8/28

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

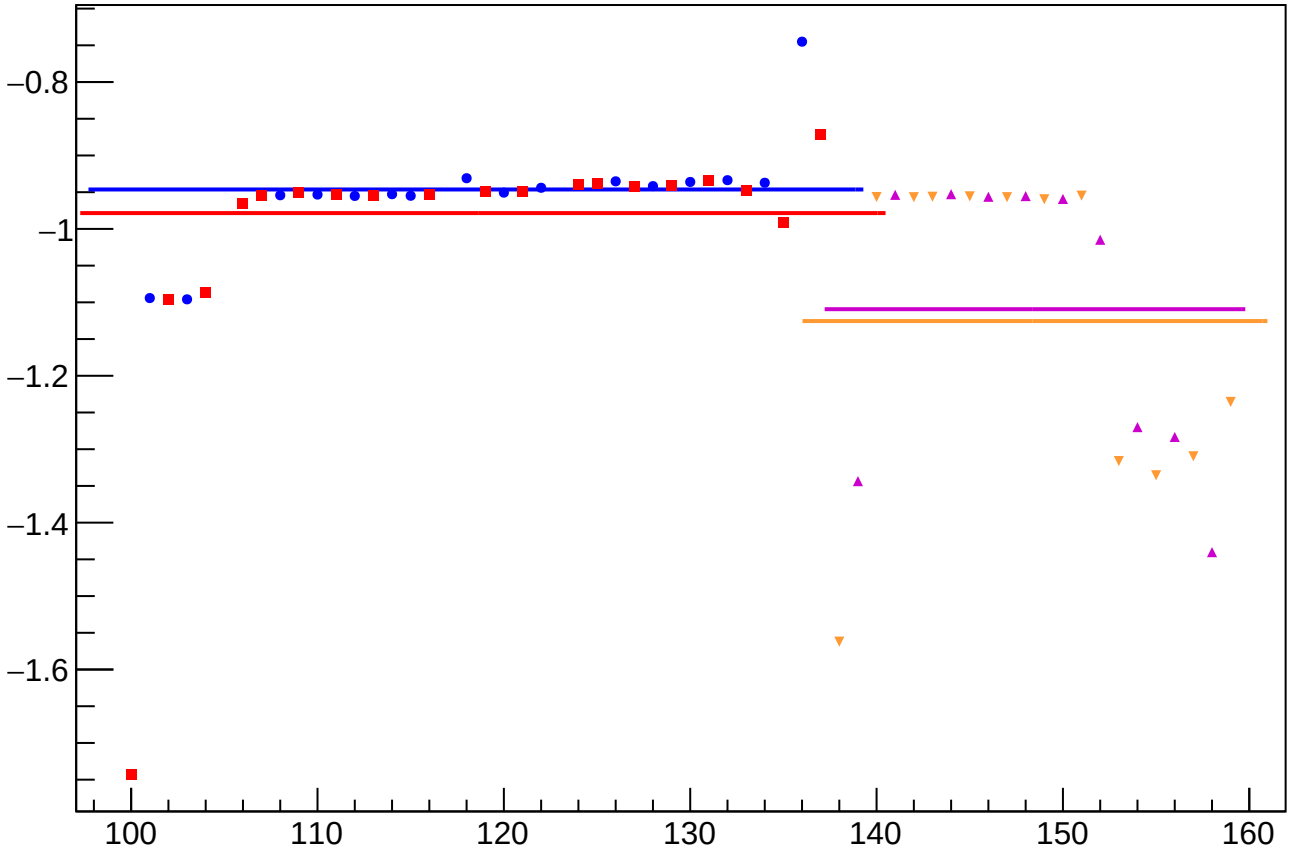
Left In: 0.003+/-0.000 χ^2/NDF:209656.0/9

+ sign 0.004+/-0.000 χ^2/NDF: 1575688.2/27

All: 0.004+/-0.000 χ^2/NDF: 3311626.0/56

- sign 0.004+/-0.000 χ^2/NDF: 1722491.7/28

yield_bpm0l10X_mean vs Slug



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

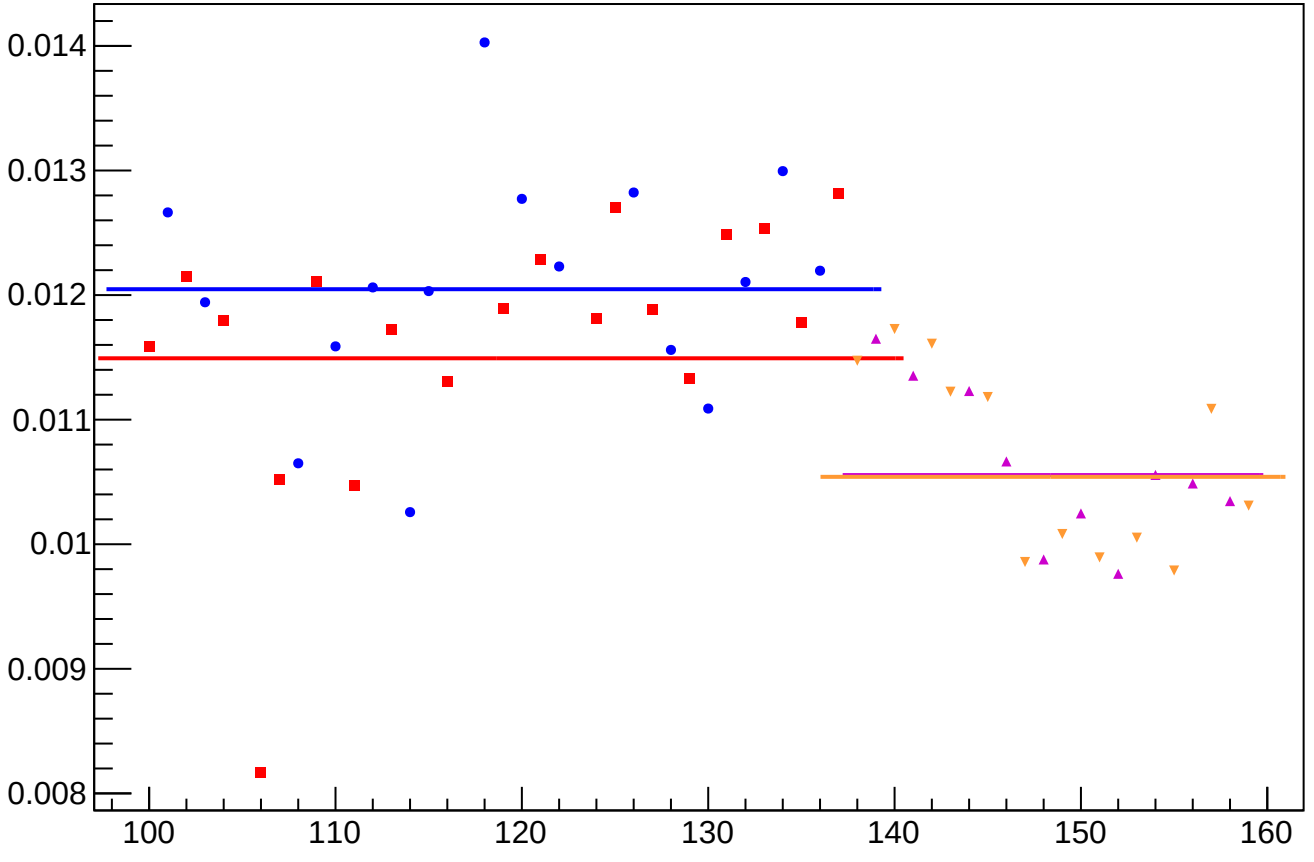
Left In: -1.109+/-0.000 χ^2/NDF:2567284198.1/9

+ sign -1.059+/-0.000 χ^2/NDF: 4664531068.9/27

All: -1.057+/-0.000 χ^2/NDF: 8231865488.0/5

- sign -1.054+/-0.000 χ^2/NDF: 3565516763.5/28

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:78959.8/11

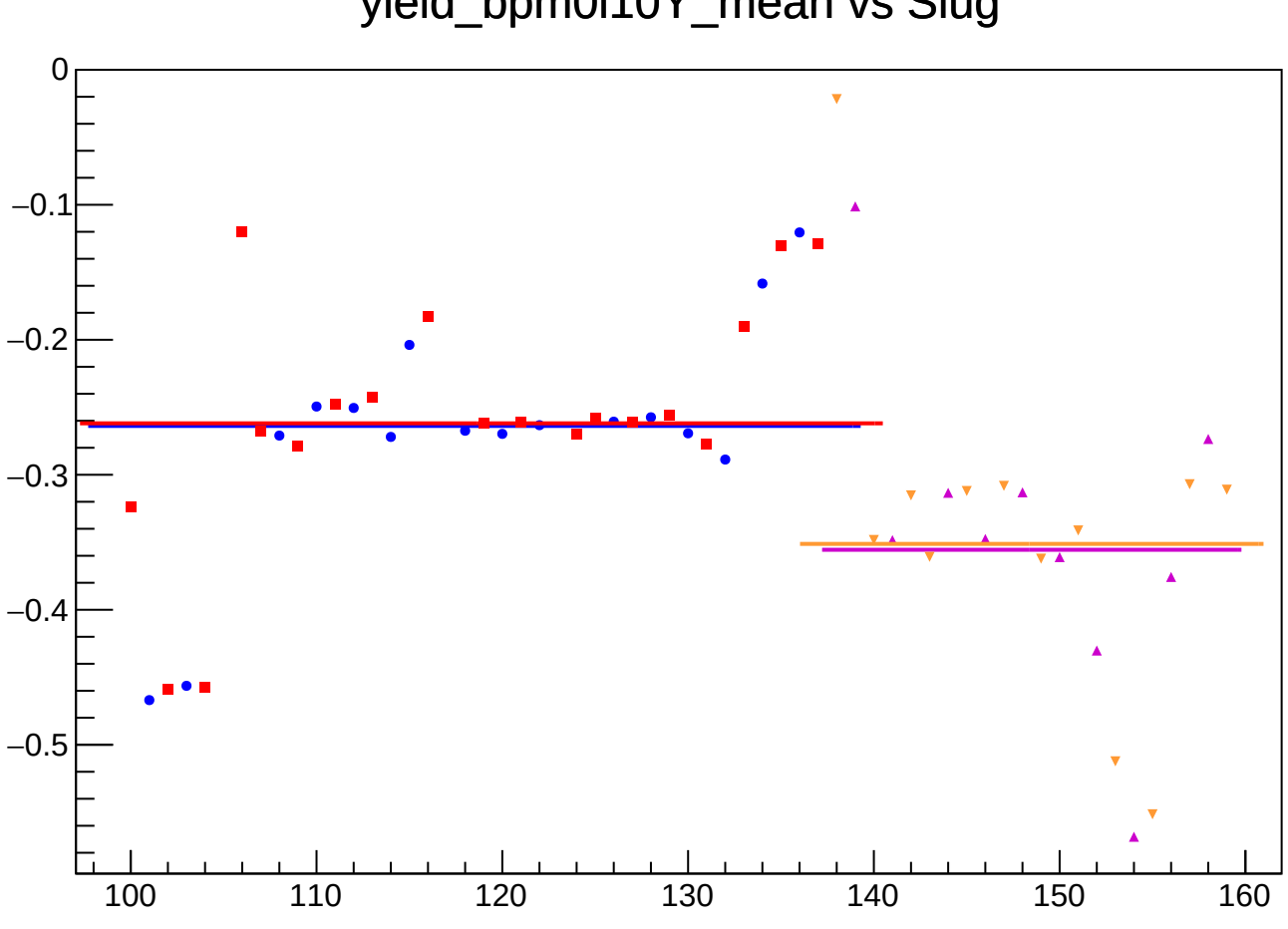
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:49800.1/9

+ sign 0.011+/-0.000 χ^2/NDF: 277093.9/27

All: 0.011+/-0.000 χ^2/NDF: 536051.7/56

- sign 0.011+/-0.000 χ^2/NDF: 256233.3/28



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.351+/-0.000 χ^2/NDF:11234501388.8/11

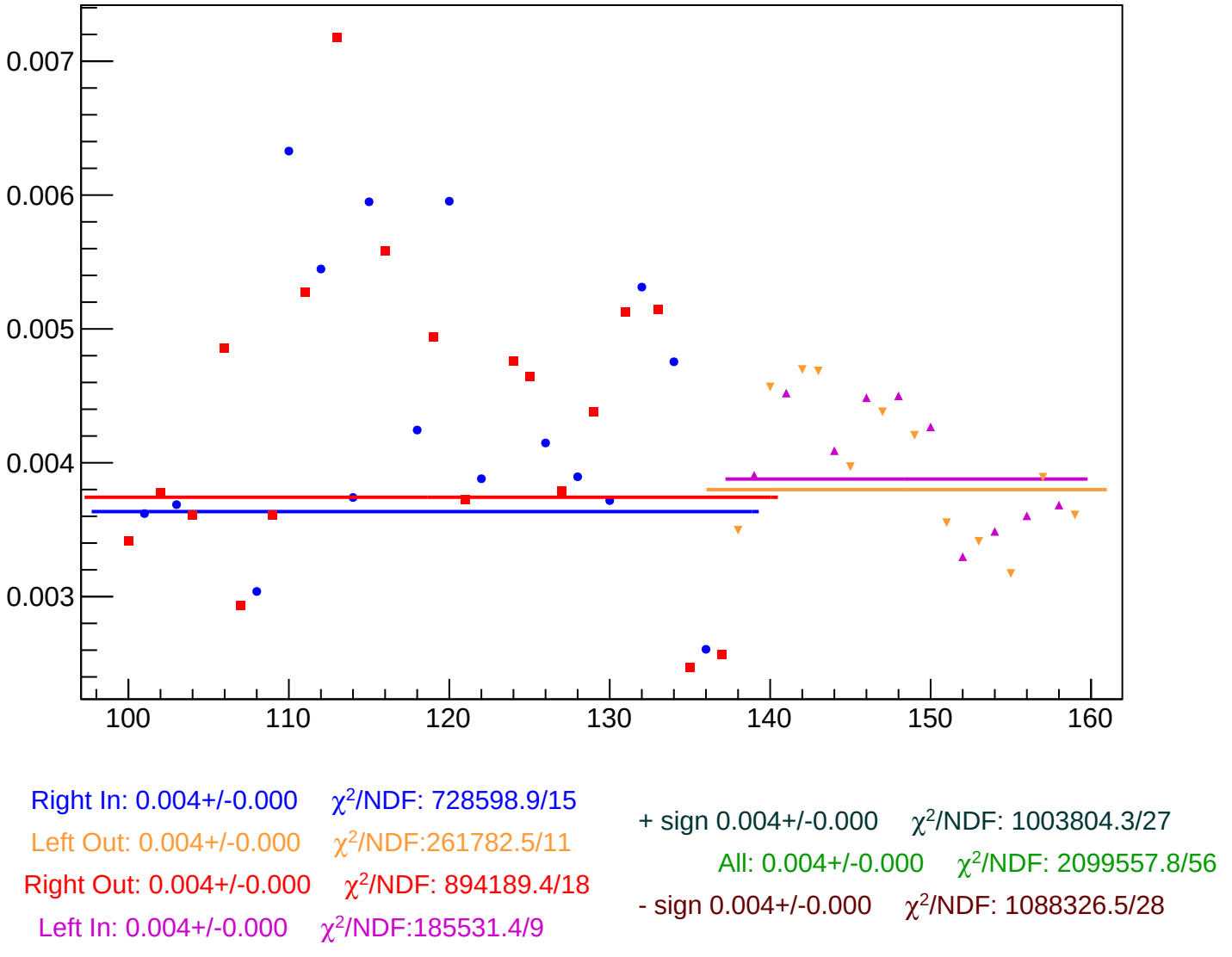
Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.356+/-0.000 χ^2/NDF:7211998730.4/9

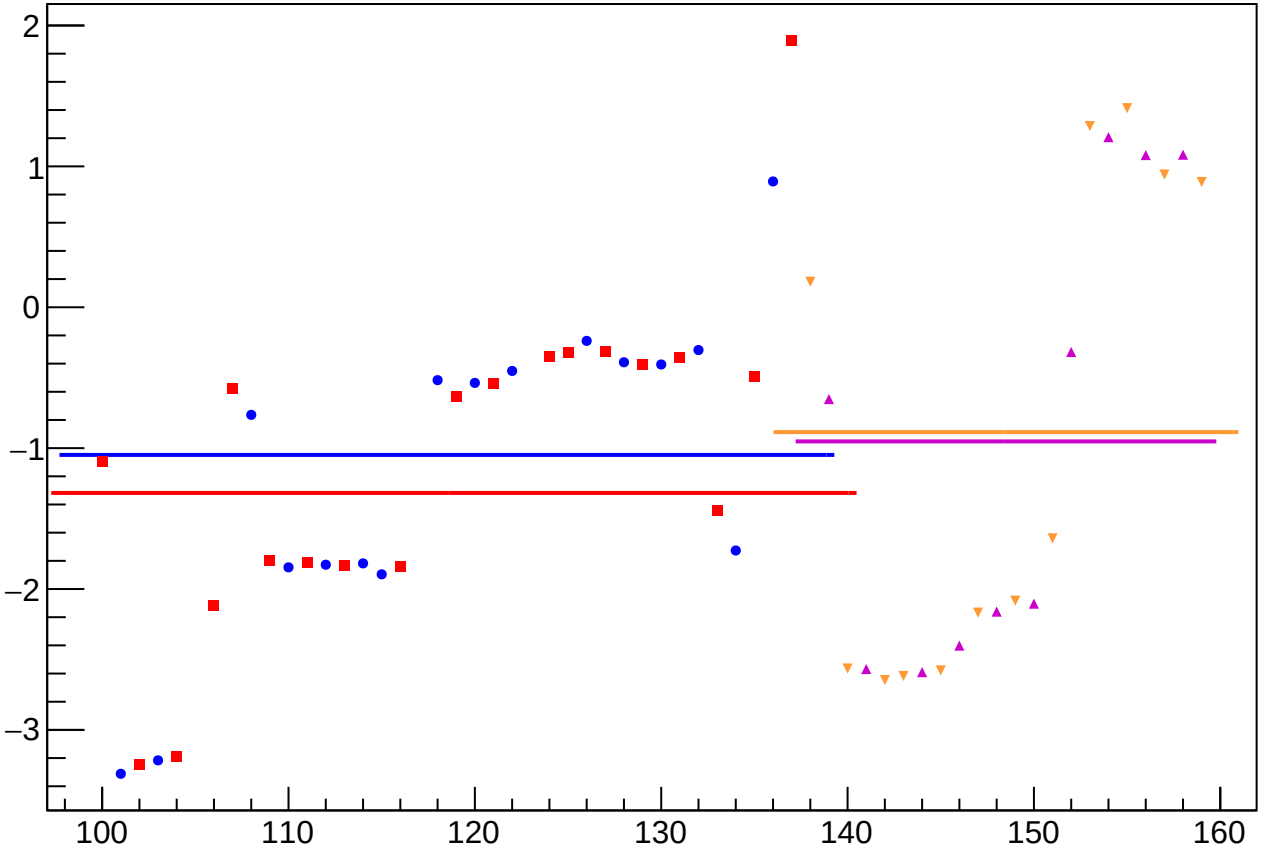
+ sign -0.314+/-0.000 χ^2/NDF: 19243332683.2/27

All: -0.313+/-0.000 χ^2/NDF: 33749509006.8/

- sign -0.313+/-0.000 χ^2/NDF: 14505657290.9/28


yield_bpm0l10Y_rms vs Slug
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
Right In: 0.004+/-0.000 χ²/NDF: 728598.9/15
Left Out: 0.004+/-0.000 χ²/NDF:261782.5/11
Right Out: 0.004+/-0.000 χ²/NDF: 894189.4/18
Left In: 0.004+/-0.000 χ²/NDF:185531.4/9
+ sign 0.004+/-0.000 χ²/NDF: 1003804.3/27
All: 0.004+/-0.000 χ²/NDF: 2099557.8/56
- sign 0.004+/-0.000 χ²/NDF: 1088326.5/28

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.886+/-0.000 χ^2/NDF:4516599068.2/11

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

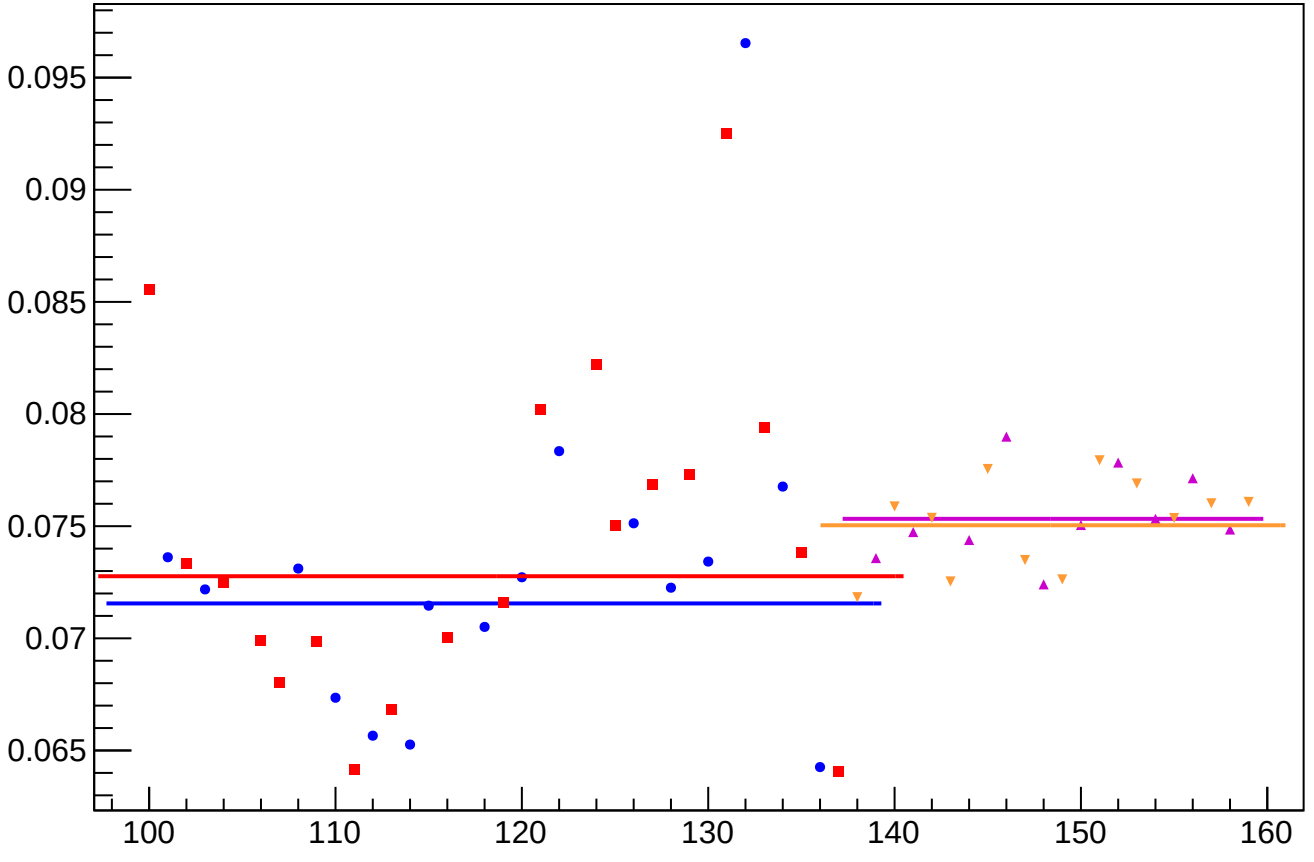
Left In: -0.952+/-0.000 χ^2/NDF:3537208731.1/9

+ sign -0.959+/-0.000 χ^2/NDF: 6883264755.9/27

All: -1.041+/-0.000 χ^2/NDF: 12405697827.8/

- sign -1.127+/-0.000 χ^2/NDF: 5480994135.6/28

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

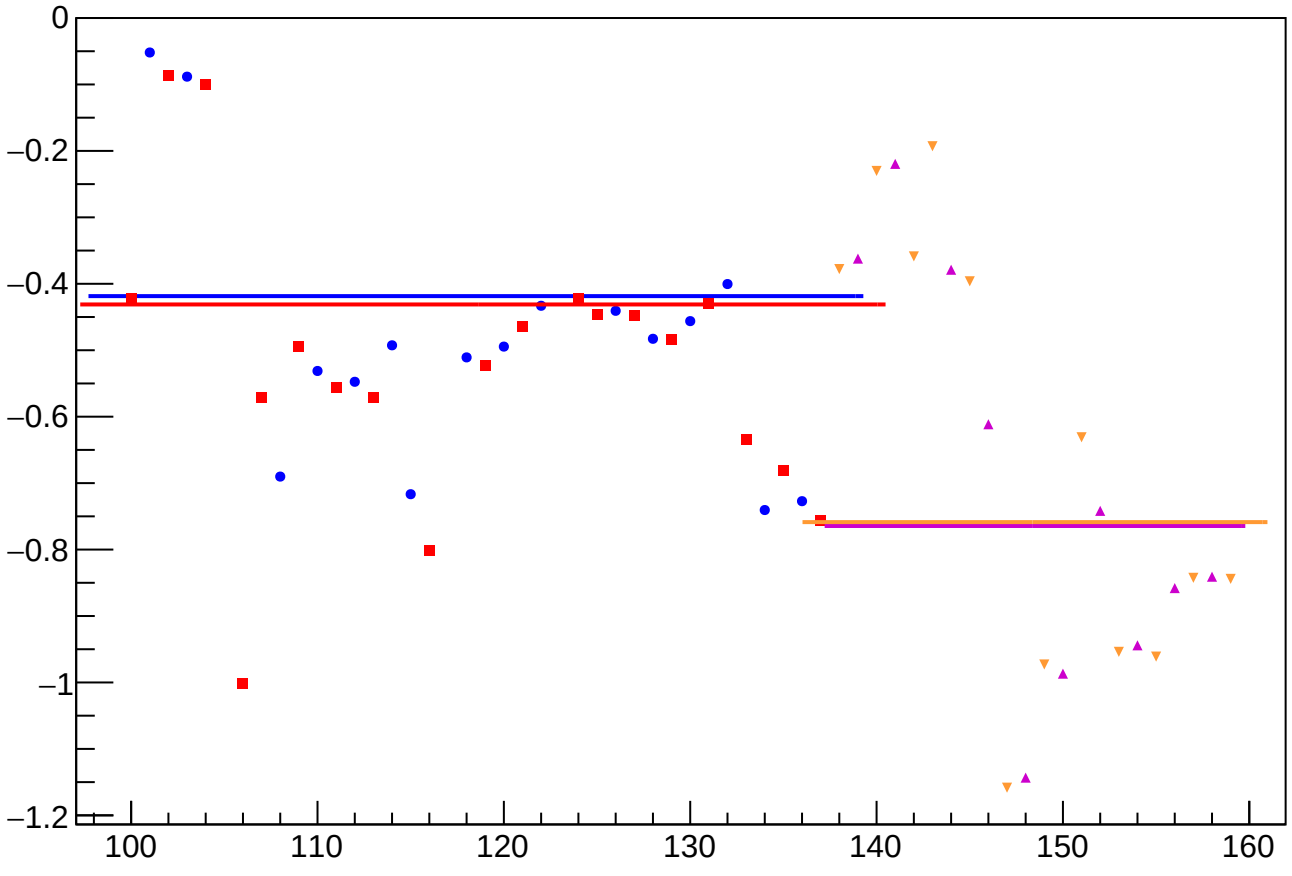
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:10292.8/9

+ sign 0.073+/-0.000 χ^2/NDF: 132688.3/27

All: 0.074+/-0.000 χ^2/NDF: 250427.8/56

- sign 0.074+/-0.000 χ^2/NDF: 116536.0/28



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.759+/-0.000 χ^2/NDF:13183572228.5/11

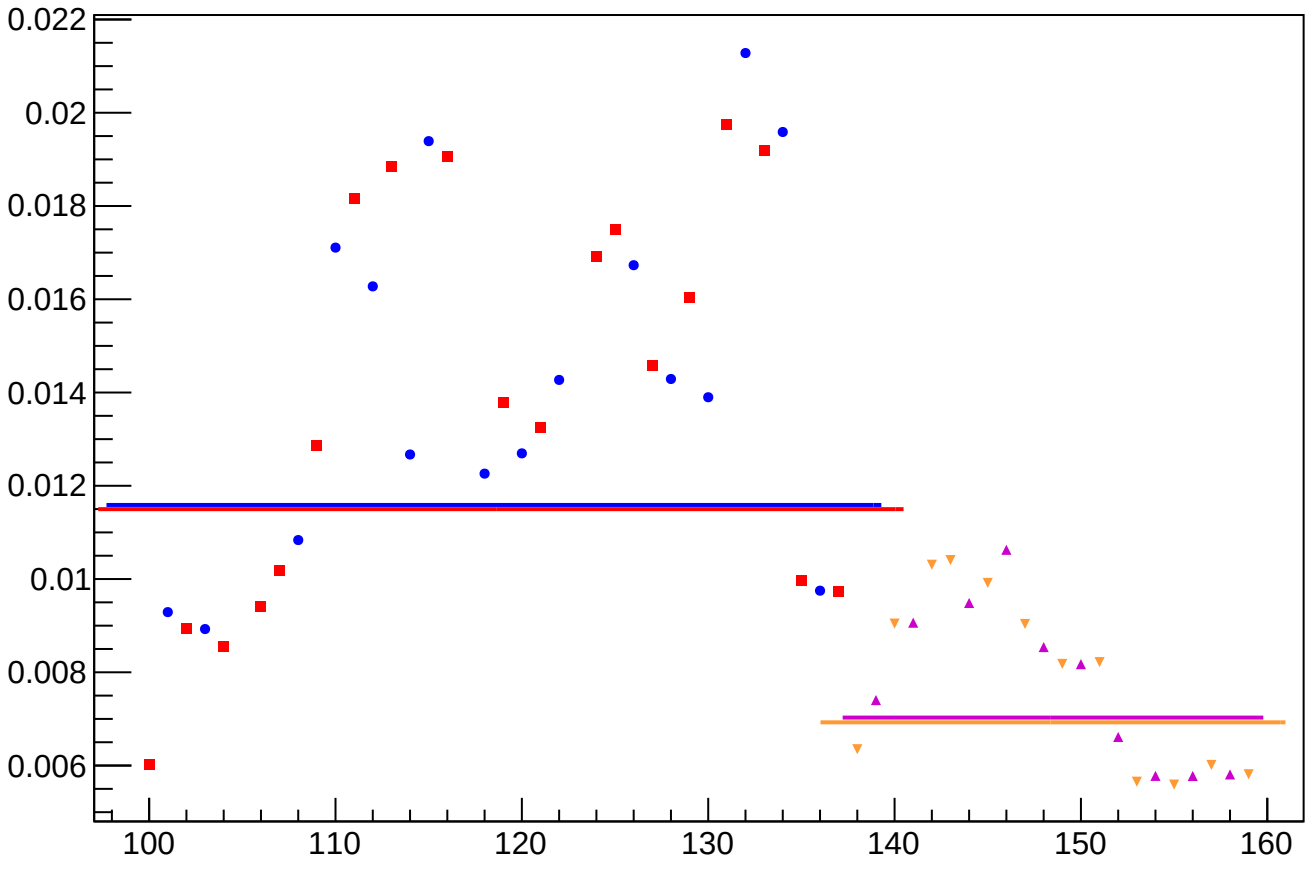
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.764+/-0.000 χ^2/NDF:9953486517.5/9

+ sign -0.690+/-0.000 χ^2/NDF: 20349652397.1/27

All: -0.690+/-0.000 χ^2/NDF: 37411912843.6/

- sign -0.689+/-0.000 χ^2/NDF: 17062245916.4/28



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

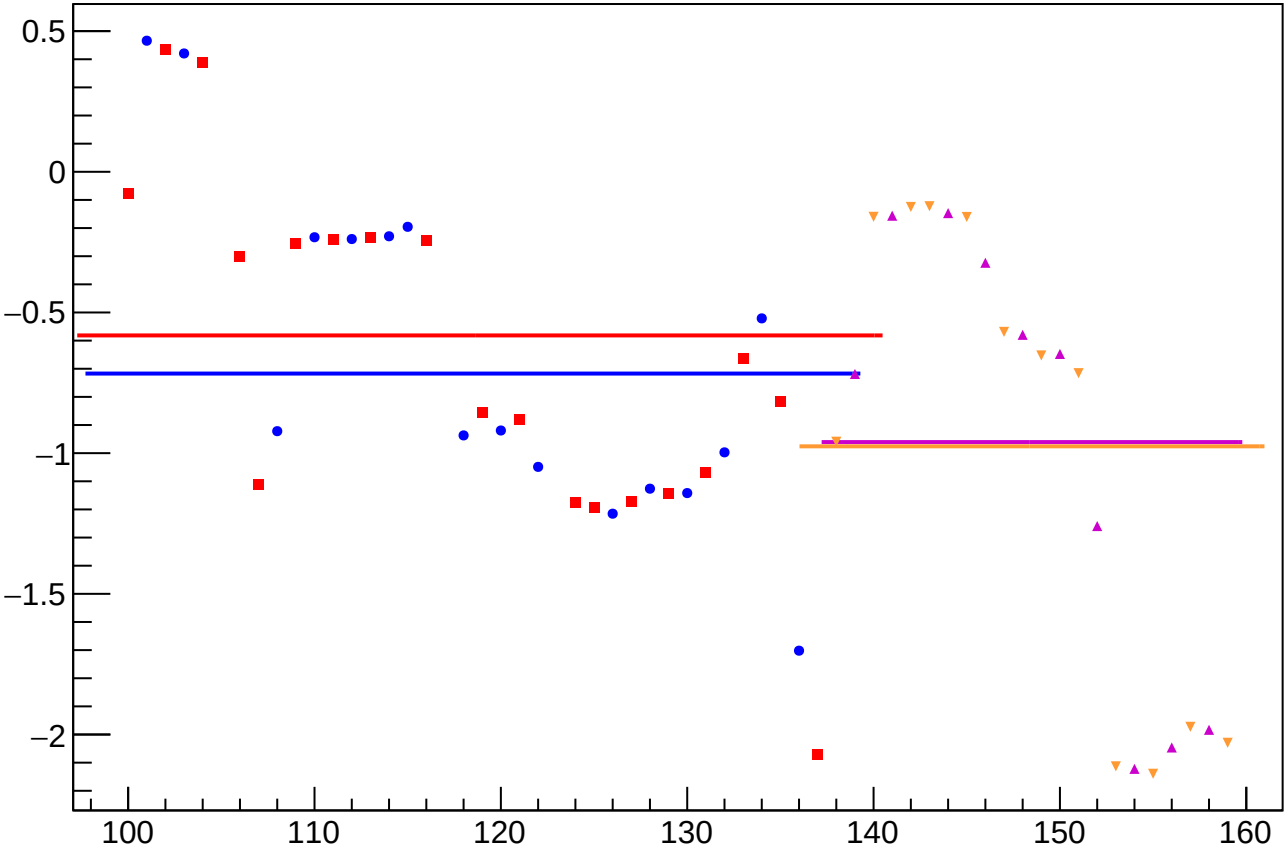
Left In: 0.007+/-0.000 χ^2/NDF:681394.9/9

+ sign 0.008+/-0.000 χ^2/NDF: 3220867.5/27

All: 0.008+/-0.000 χ^2/NDF: 6479024.2/56

- sign 0.008+/-0.000 χ^2/NDF: 3252505.8/28

yield_bpm0r05X_mean vs Slug



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

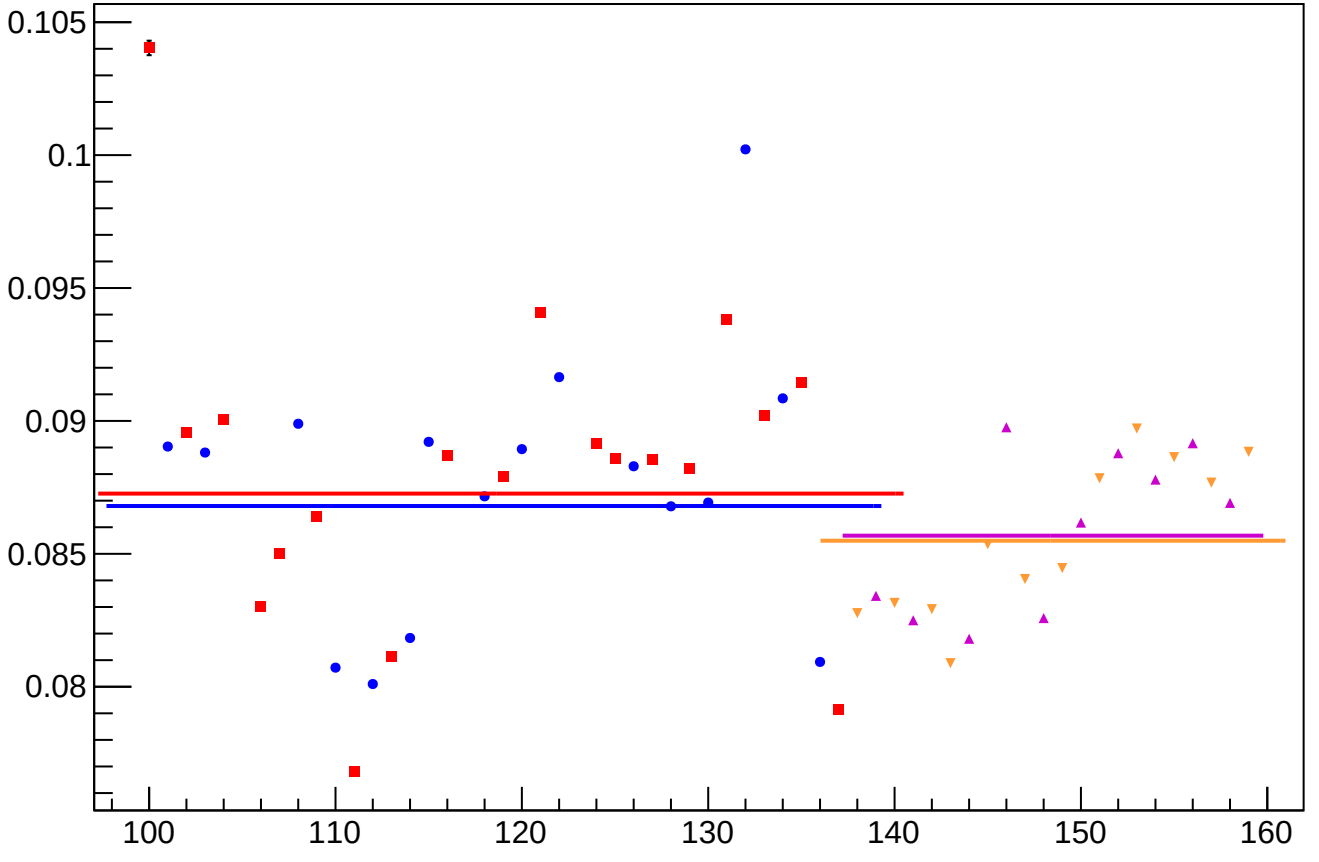
Left In: -0.961+/-0.000 χ^2/NDF:657247158.5/9

+ sign -0.866+/-0.000 χ^2/NDF: 1303152849.0/27

All: -0.828+/-0.000 χ^2/NDF: 2385786429.7/5

- sign -0.788+/-0.000 χ^2/NDF: 1075992121.4/28

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

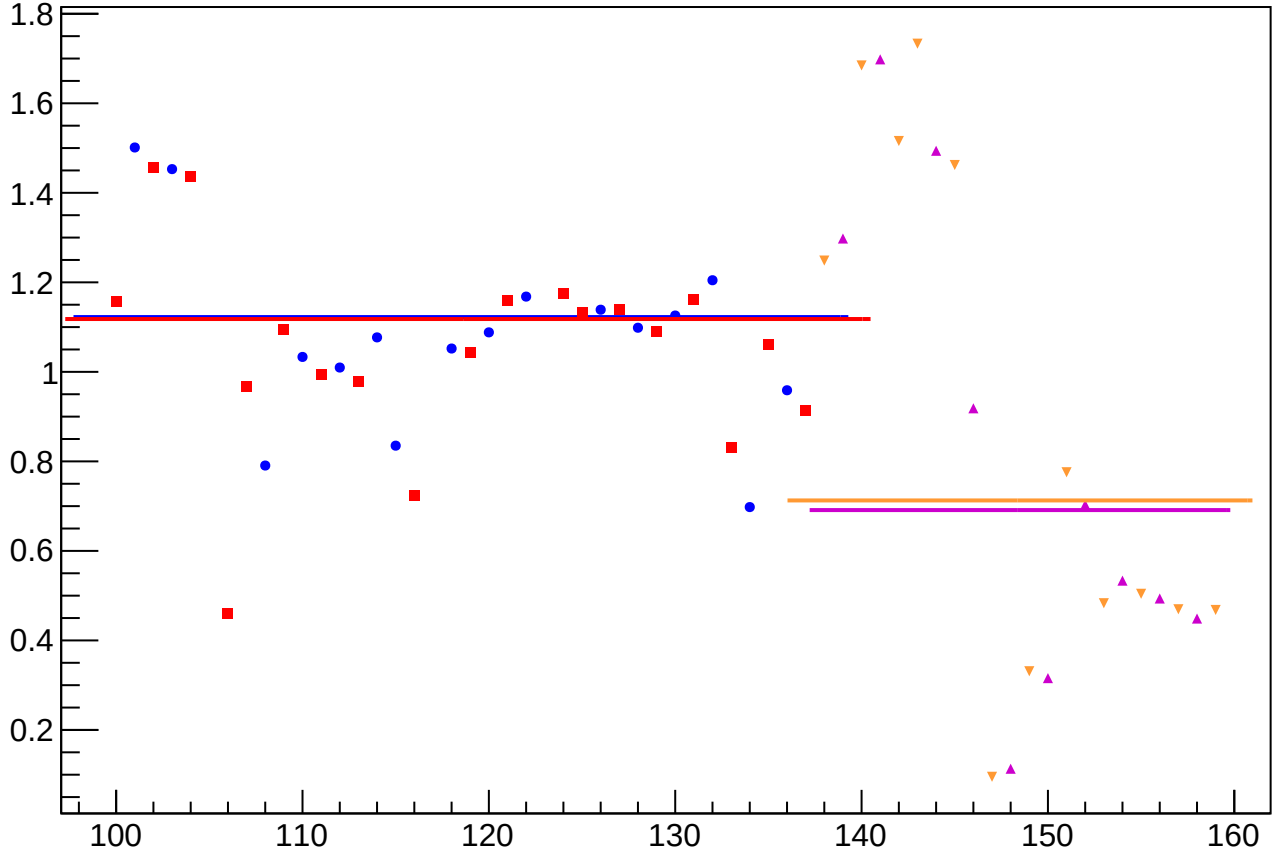
Left In: 0.086+/-0.000 χ^2/NDF:19786.2/9

+ sign 0.086+/-0.000 χ^2/NDF: 65582.7/27

All: 0.086+/-0.000 χ^2/NDF: 134484.3/56

- sign 0.086+/-0.000 χ^2/NDF: 68622.5/28

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

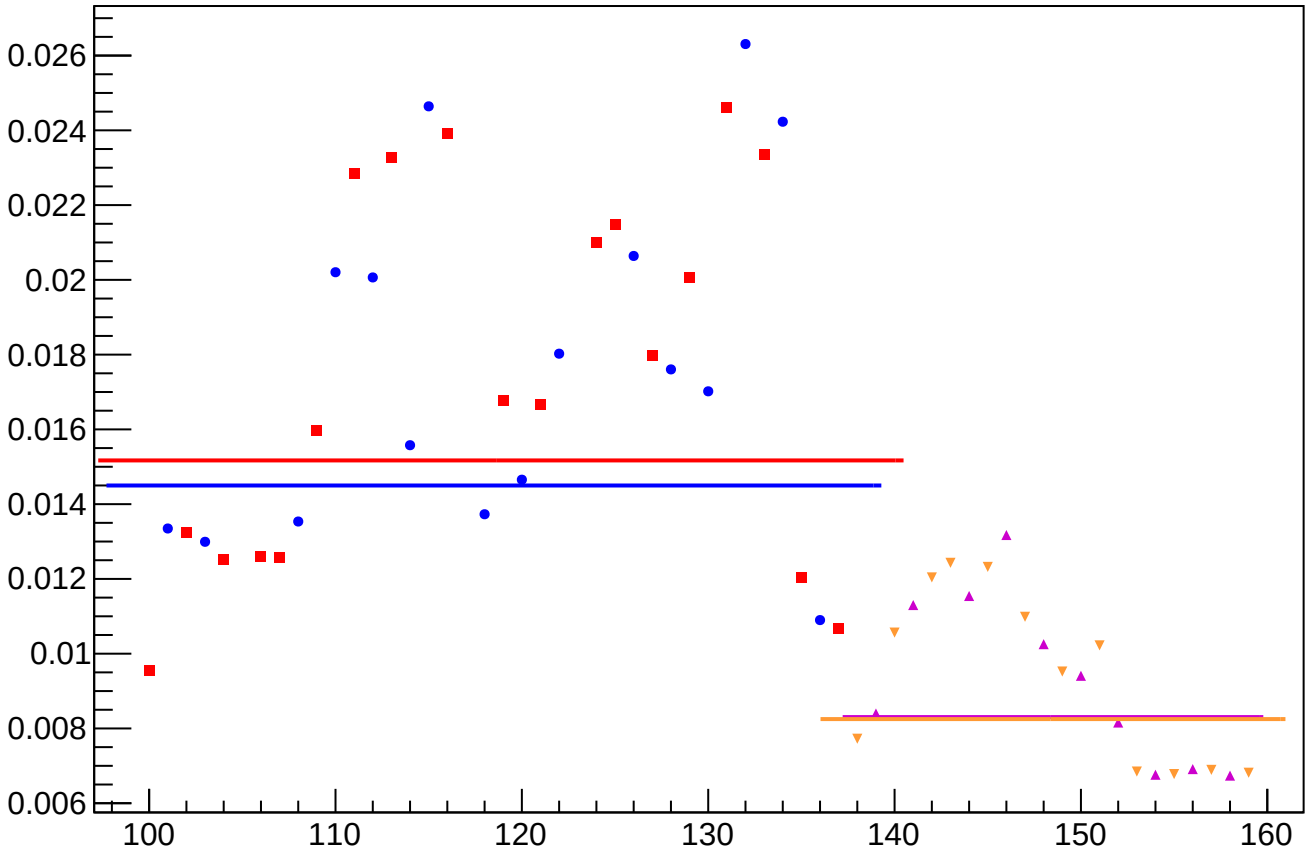
Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.691+/-0.000 χ^2/NDF:20639281889.5/9

+ sign 0.789+/-0.000 χ^2/NDF: 31738281842.4/27

All: 0.781+/-0.000 χ^2/NDF: 57892846019.7/5

- sign 0.773+/-0.000 χ^2/NDF: 26136558702.2/28



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

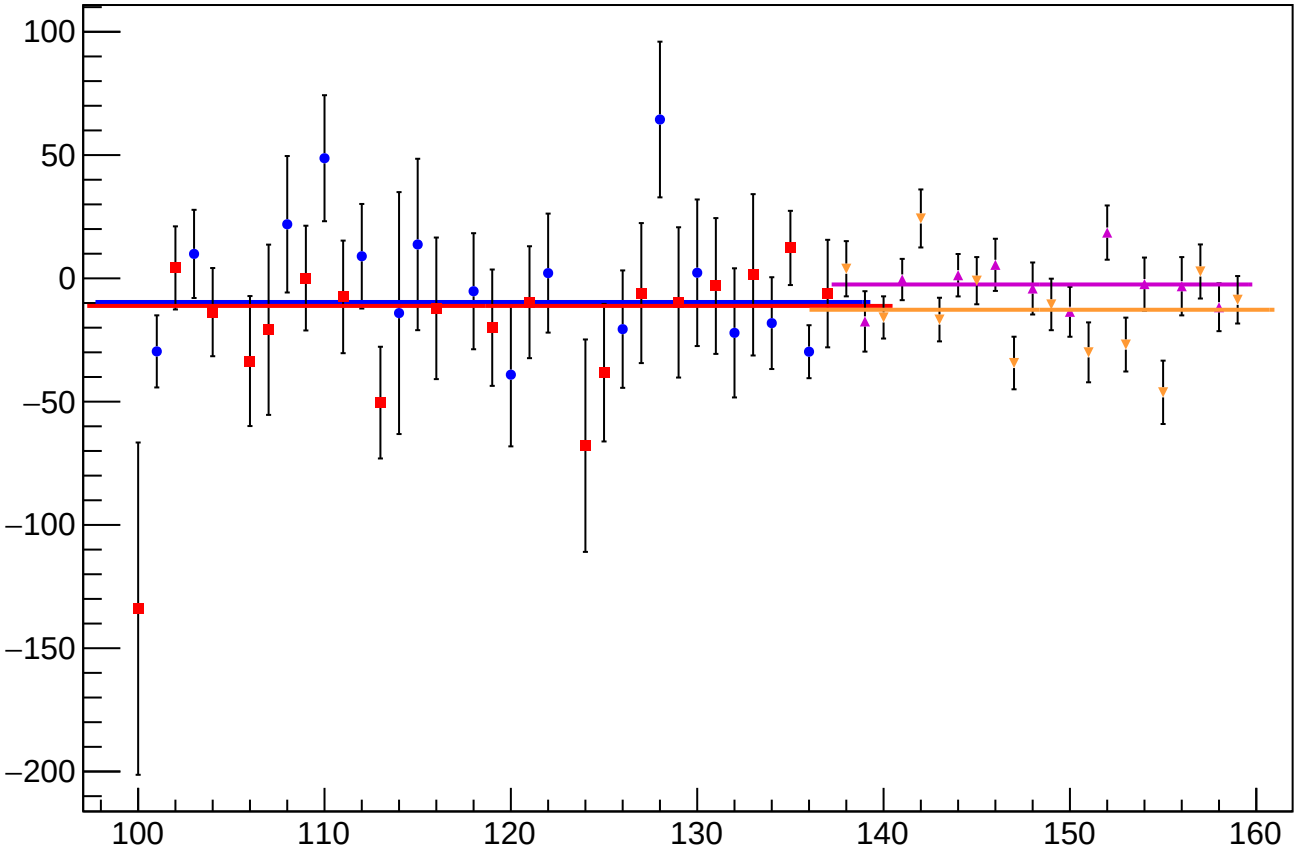
Left In: 0.008+/-0.000 χ^2/NDF:773957.3/9

+ sign 0.009+/-0.000 χ^2/NDF: 3458468.1/27

All: 0.010+/-0.000 χ^2/NDF: 7135377.2/56

- sign 0.010+/-0.000 χ^2/NDF: 3670432.1/28

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

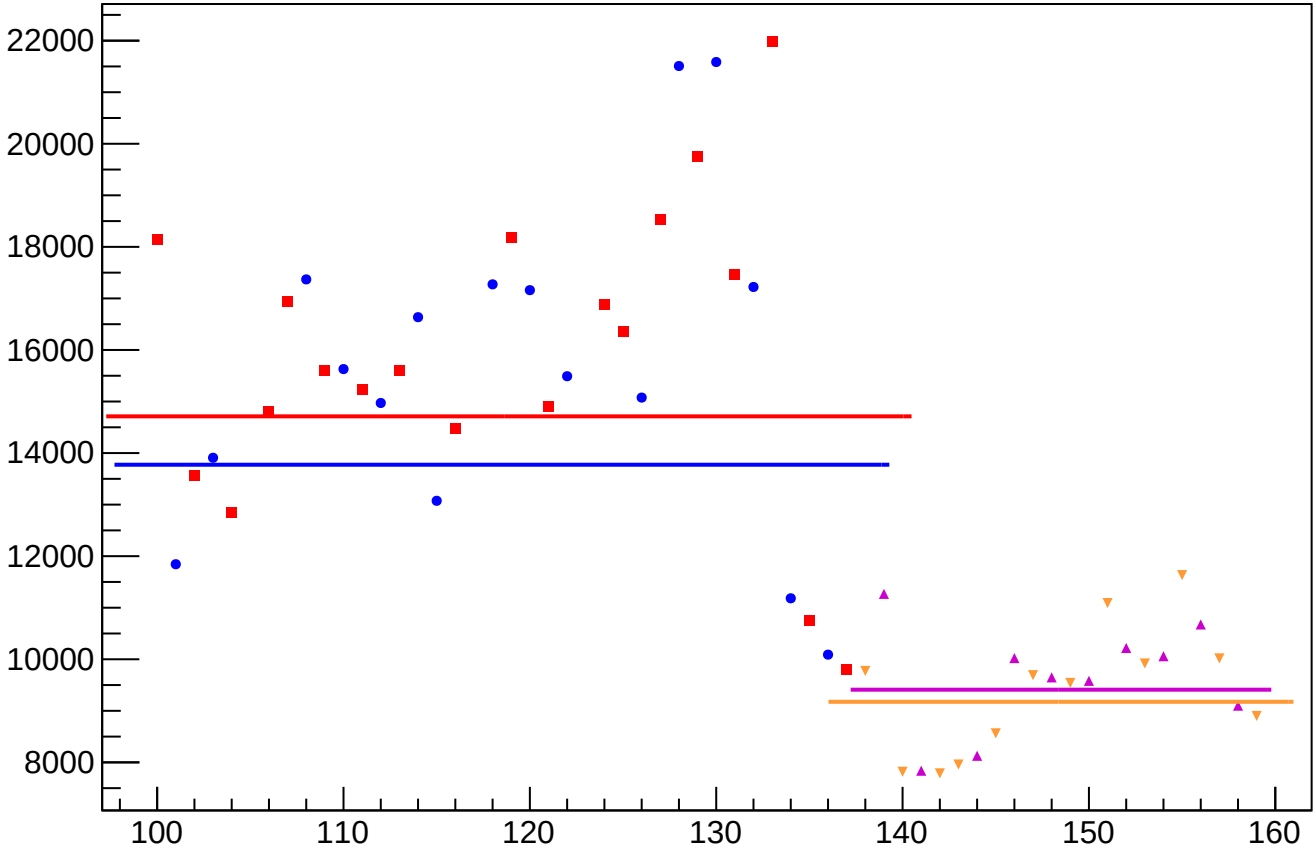
Left In: -2.477+/-3.213 χ^2/NDF:8.1/9

+ sign -11.965+/-2.612 χ^2/NDF: 53.0/27

All: -8.547+/-1.902 χ^2/NDF: 80.4/56

- sign -4.693+/-2.774 χ^2/NDF: 23.8/28

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

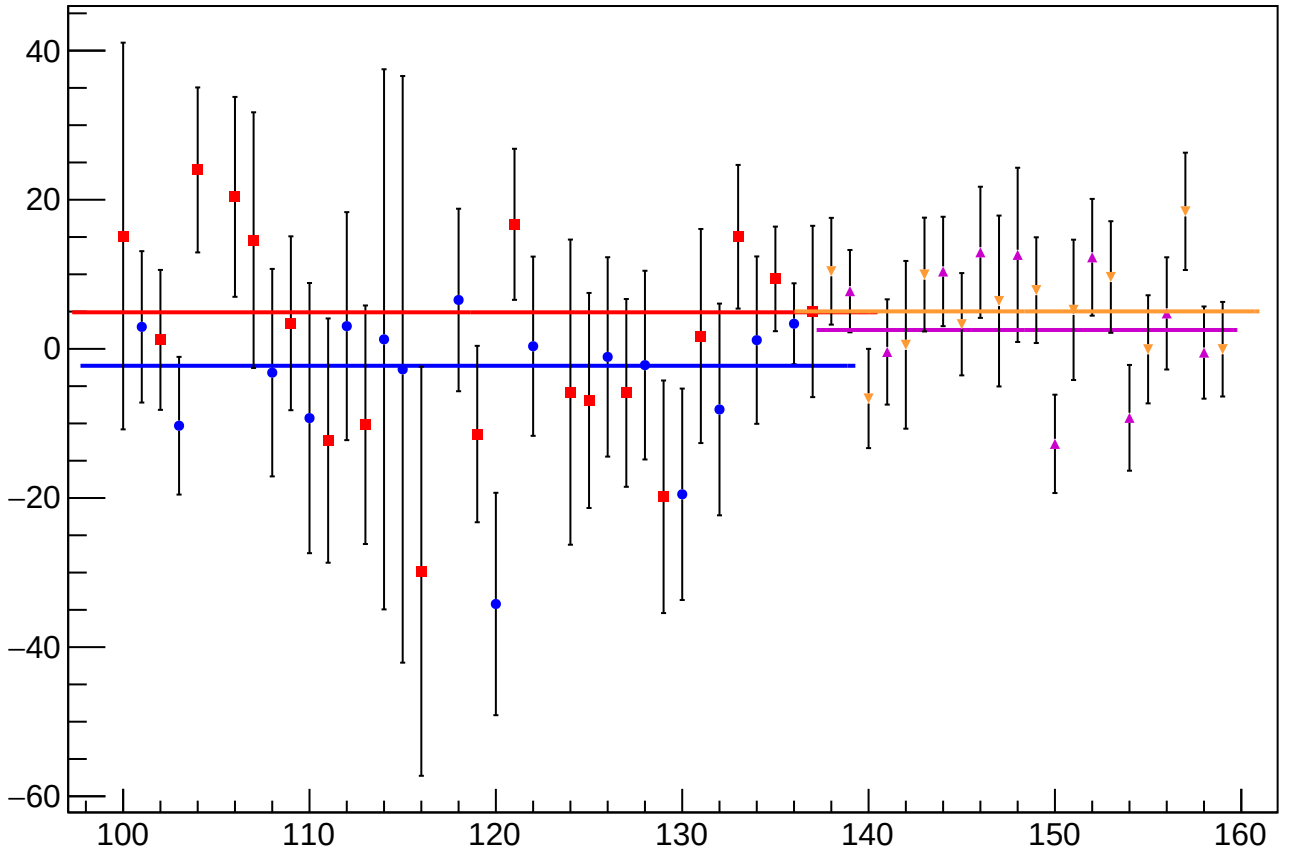
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9409.910+/-2.272 χ^2/NDF:212373.7/9

+ sign 10296.370+/-1.847 χ^2/NDF: 2172746.6/27

All: 10514.413+/-1.345 χ^2/NDF: 4358893.8/5

- sign 10760.312+/-1.962 χ^2/NDF: 2156500.8/28



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.027+/-2.208 χ^2/NDF:8.9/11

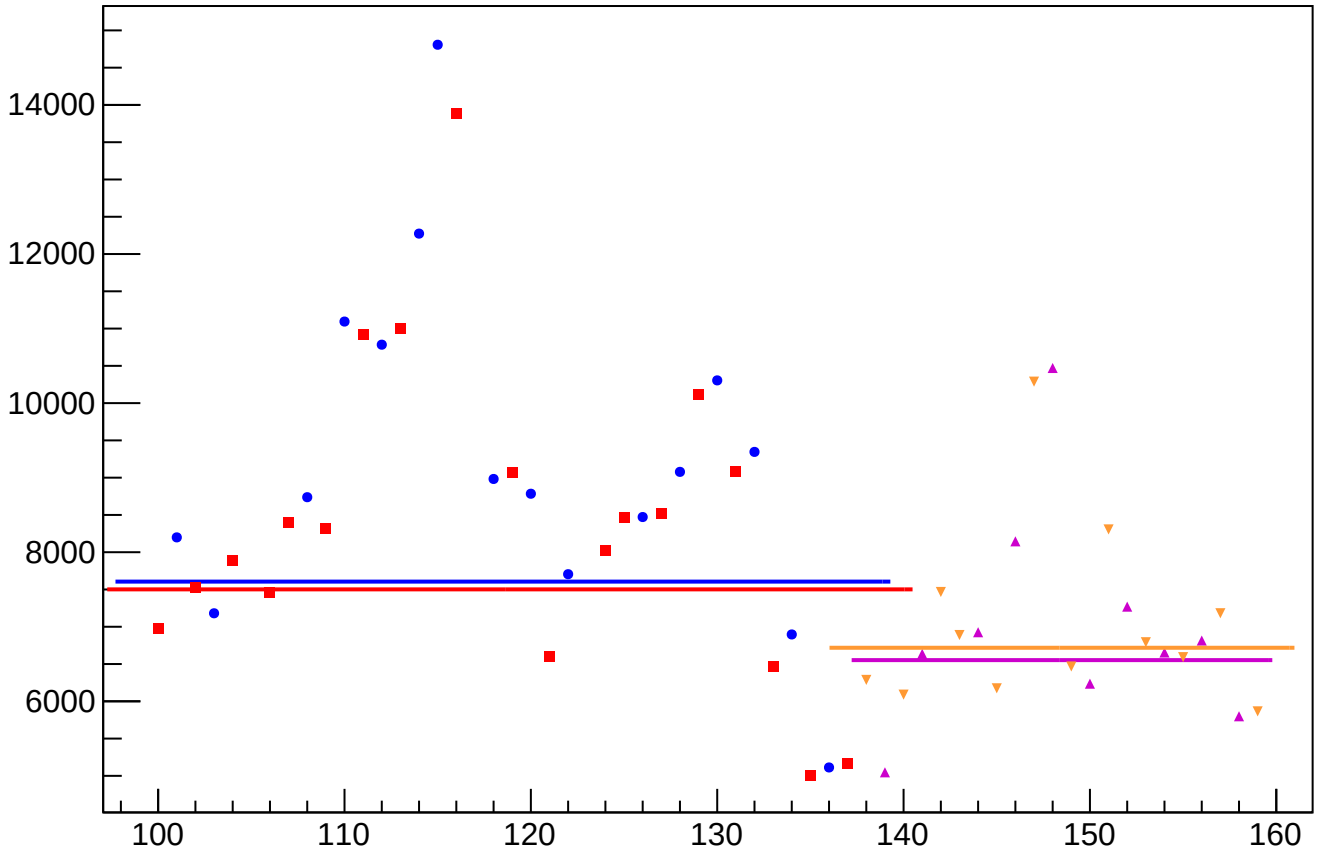
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 2.533+/-2.266 χ^2/NDF:14.4/9

+ sign 2.376+/-1.762 χ^2/NDF: 22.1/27

All: 2.914+/-1.249 χ^2/NDF: 54.7/56

- sign 3.457+/-1.770 χ^2/NDF: 32.4/28



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6718.244+/-1.561 χ^2/NDF:345036.6/11

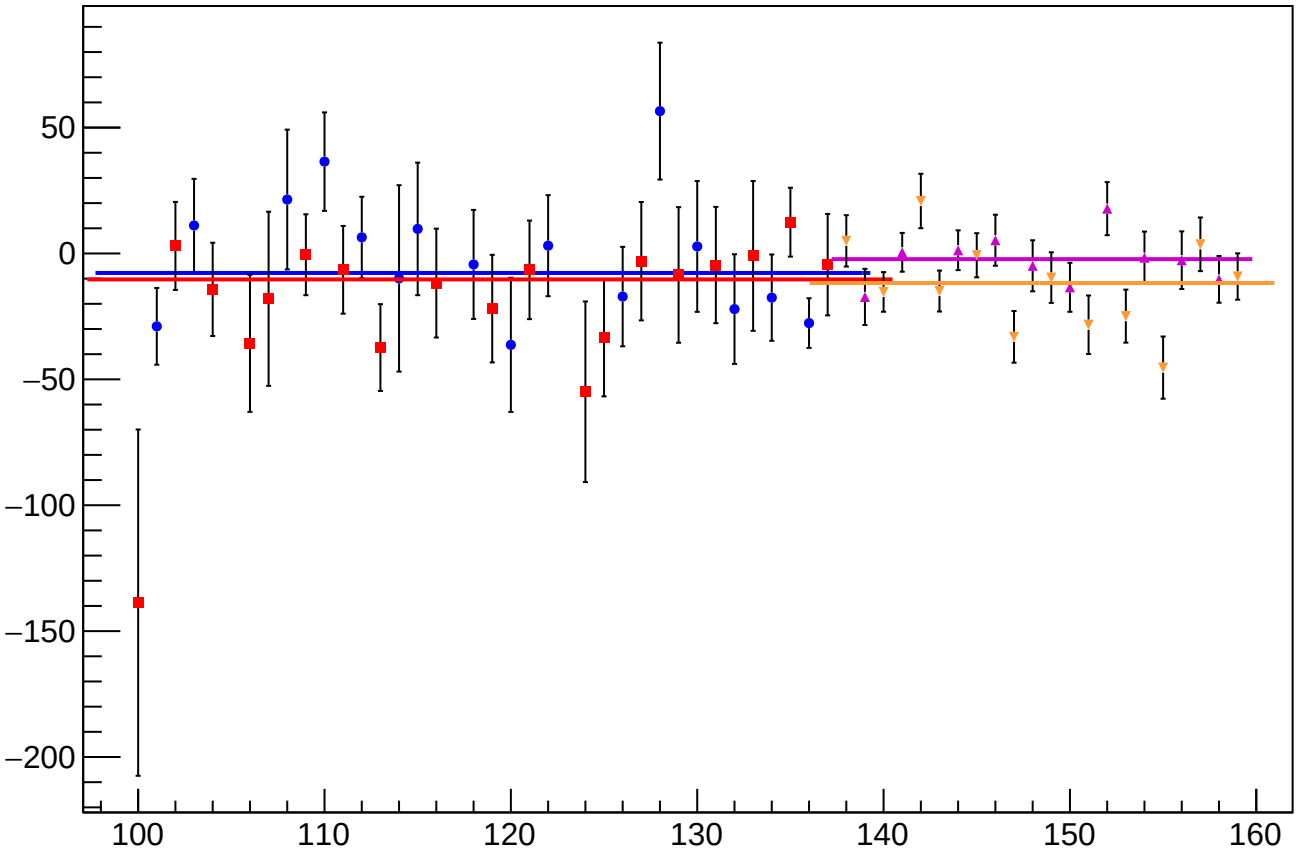
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6552.503+/-1.602 χ^2/NDF:498750.8/9

+ sign 7040.802+/-1.246 χ^2/NDF: 1353959.5/27

All: 6981.874+/-0.883 χ^2/NDF: 2817449.0/56

- sign 6922.358+/-1.252 χ^2/NDF: 1458991.4/28



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

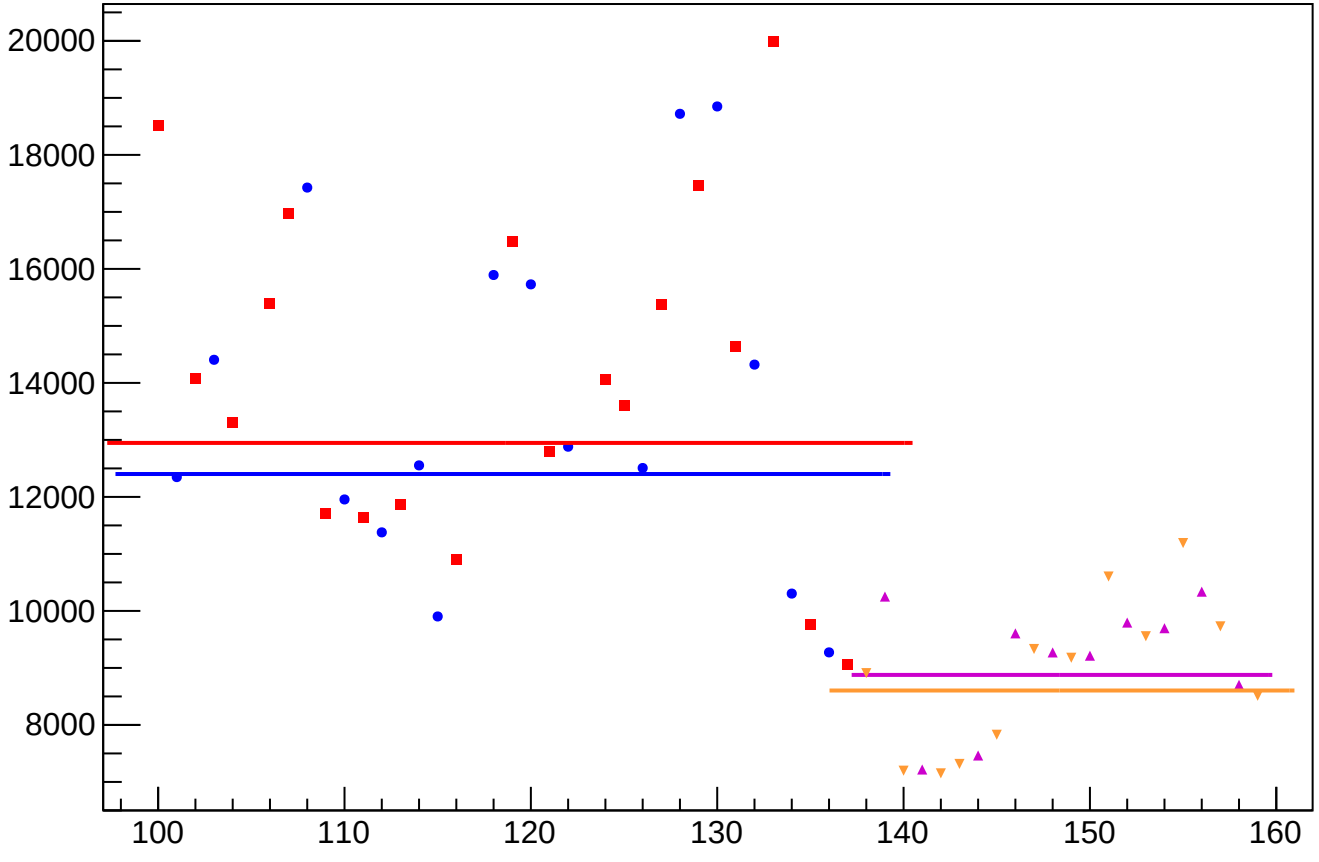
Left In: -2.249+/-3.036 χ^2/NDF:8.5/9

+ sign -10.688+/-2.427 χ^2/NDF: 54.4/27

All: -7.784+/-1.765 χ^2/NDF: 81.8/56

- sign -4.525+/-2.572 χ^2/NDF: 24.3/28

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

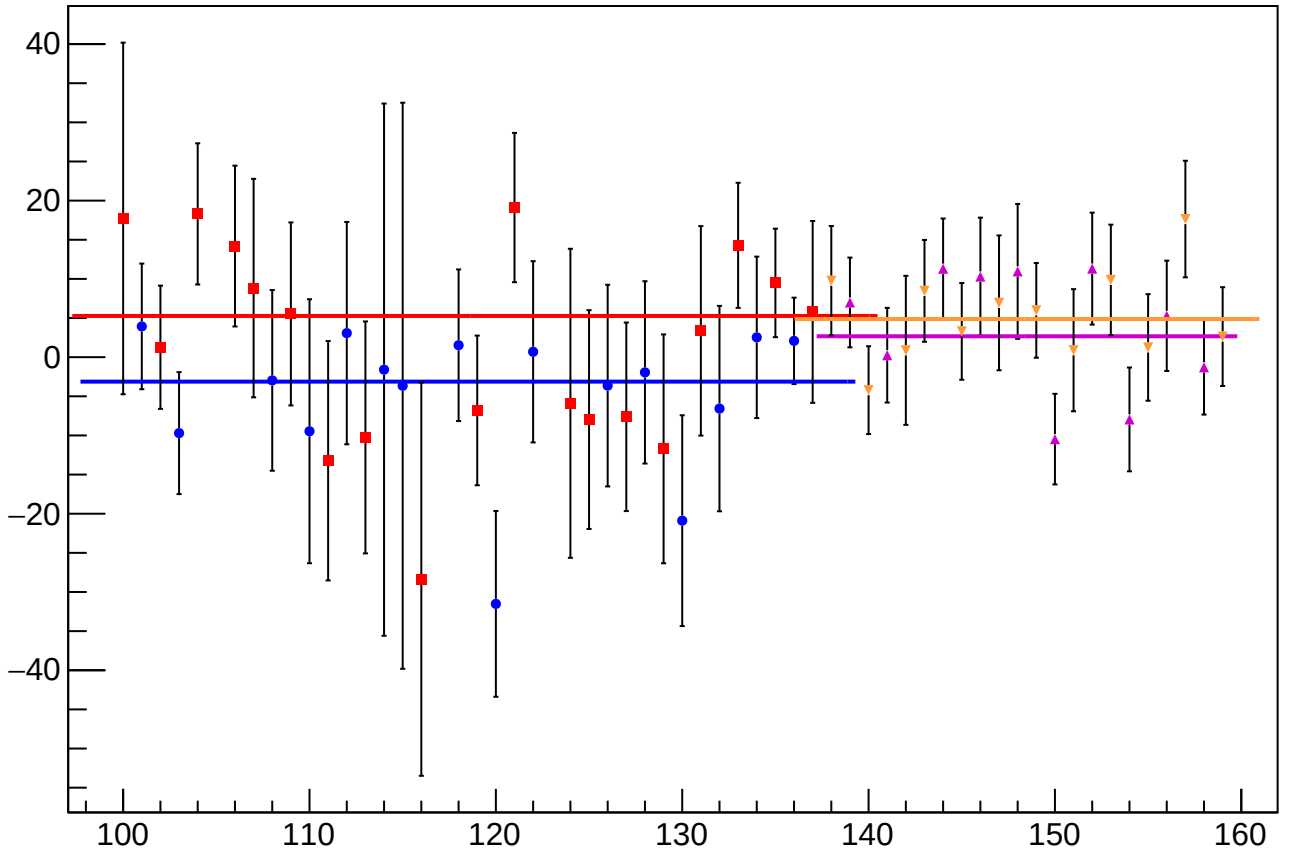
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8877.458+/-2.147 χ^2/NDF:263870.9/9

+ sign 9596.387+/-1.716 χ^2/NDF: 1993371.4/27

All: 9799.104+/-1.248 χ^2/NDF: 3856969.7/56

- sign 10026.690+/-1.819 χ^2/NDF: 1833985.6/28



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

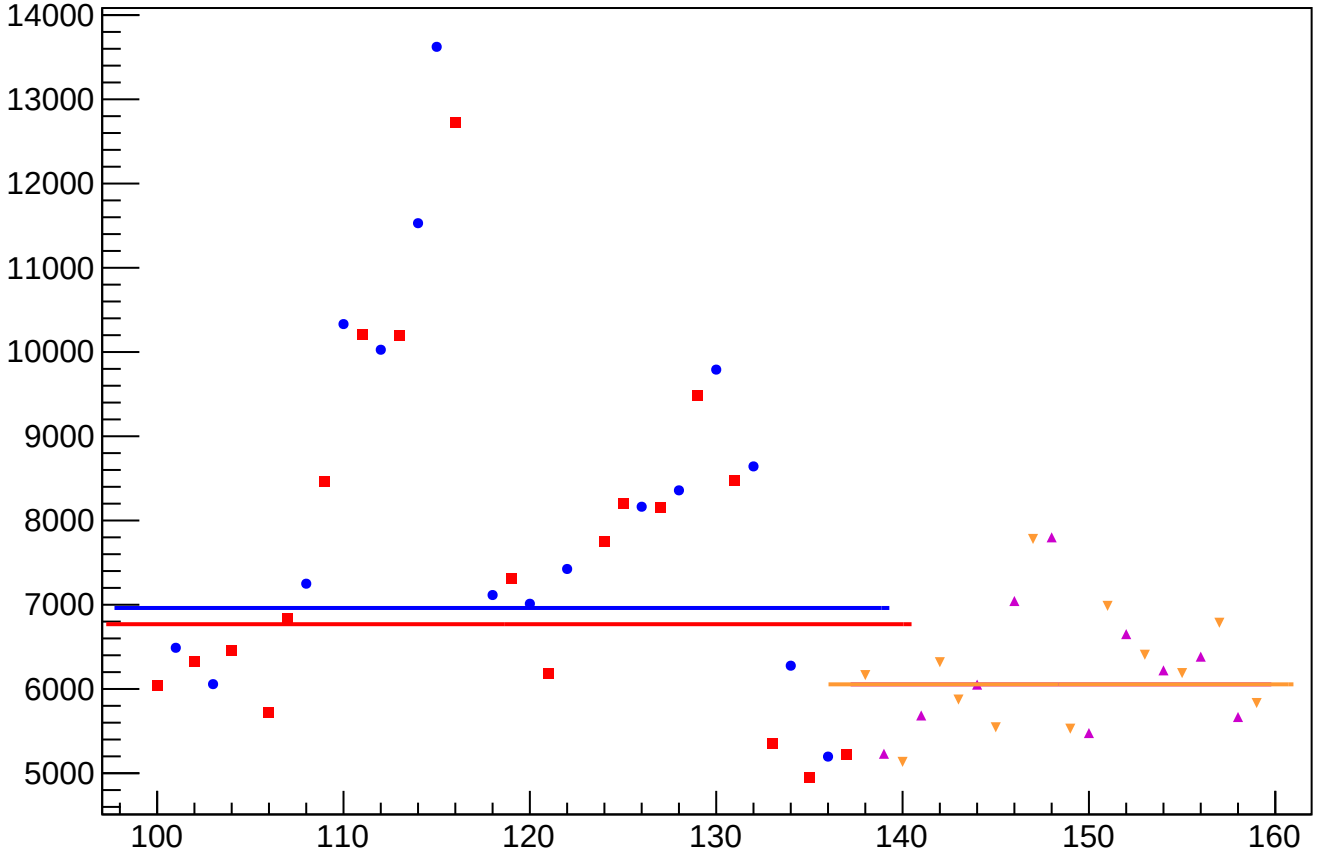
Left In: 2.671+/-2.072 χ^2/NDF:14.2/9

+ sign 2.016+/-1.587 χ^2/NDF: 24.6/27

All: 2.847+/-1.130 χ^2/NDF: 56.9/56

- sign 3.701+/-1.609 χ^2/NDF: 31.8/28

diff_bpm4eY_rms vs Slug



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

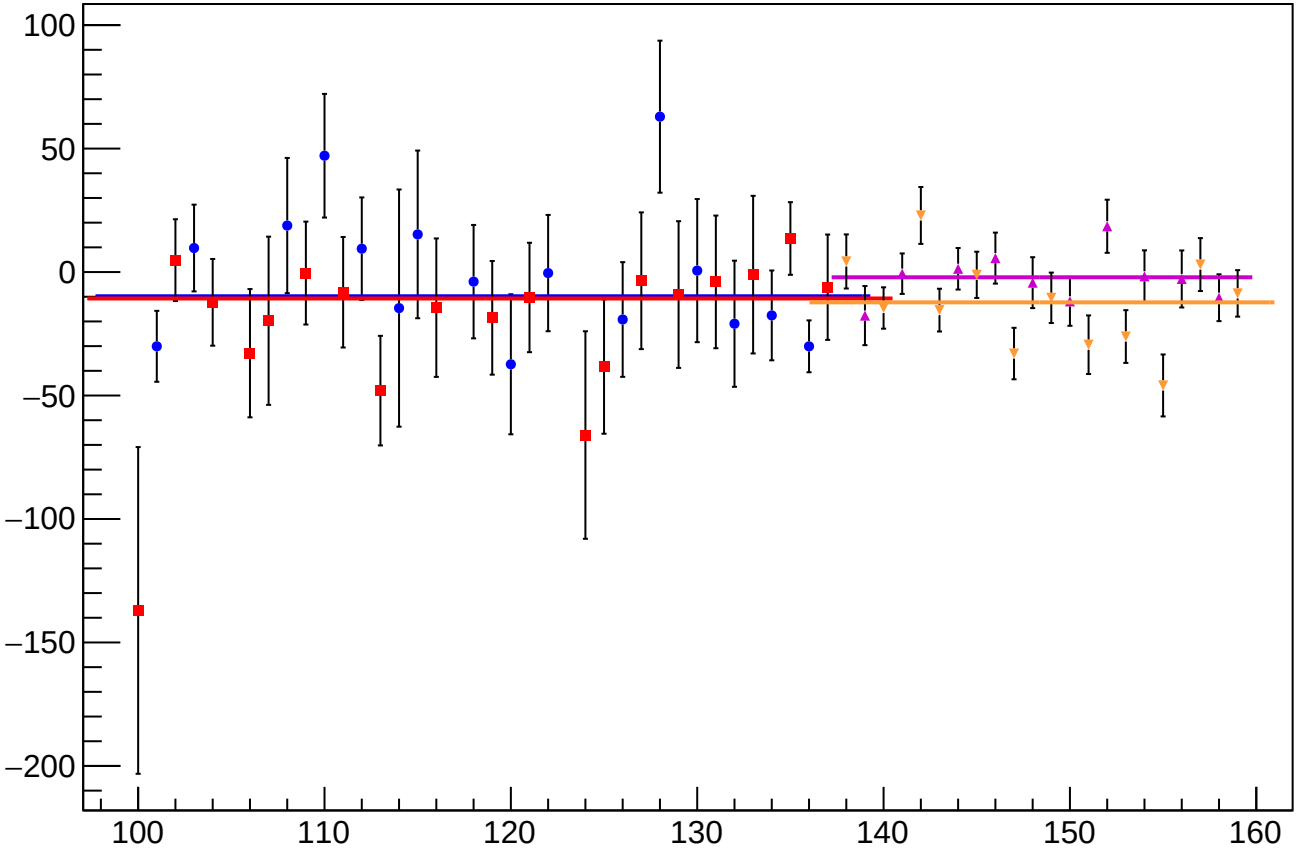
Left In: 6054.579+/-1.465 χ^2/NDF:213022.6/9

+ sign 6378.988+/-1.122 χ^2/NDF: 1068590.0/27

All: 6358.926+/-0.799 χ^2/NDF: 2174774.7/56

- sign 6338.314+/-1.138 χ^2/NDF: 1105537.0/28

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

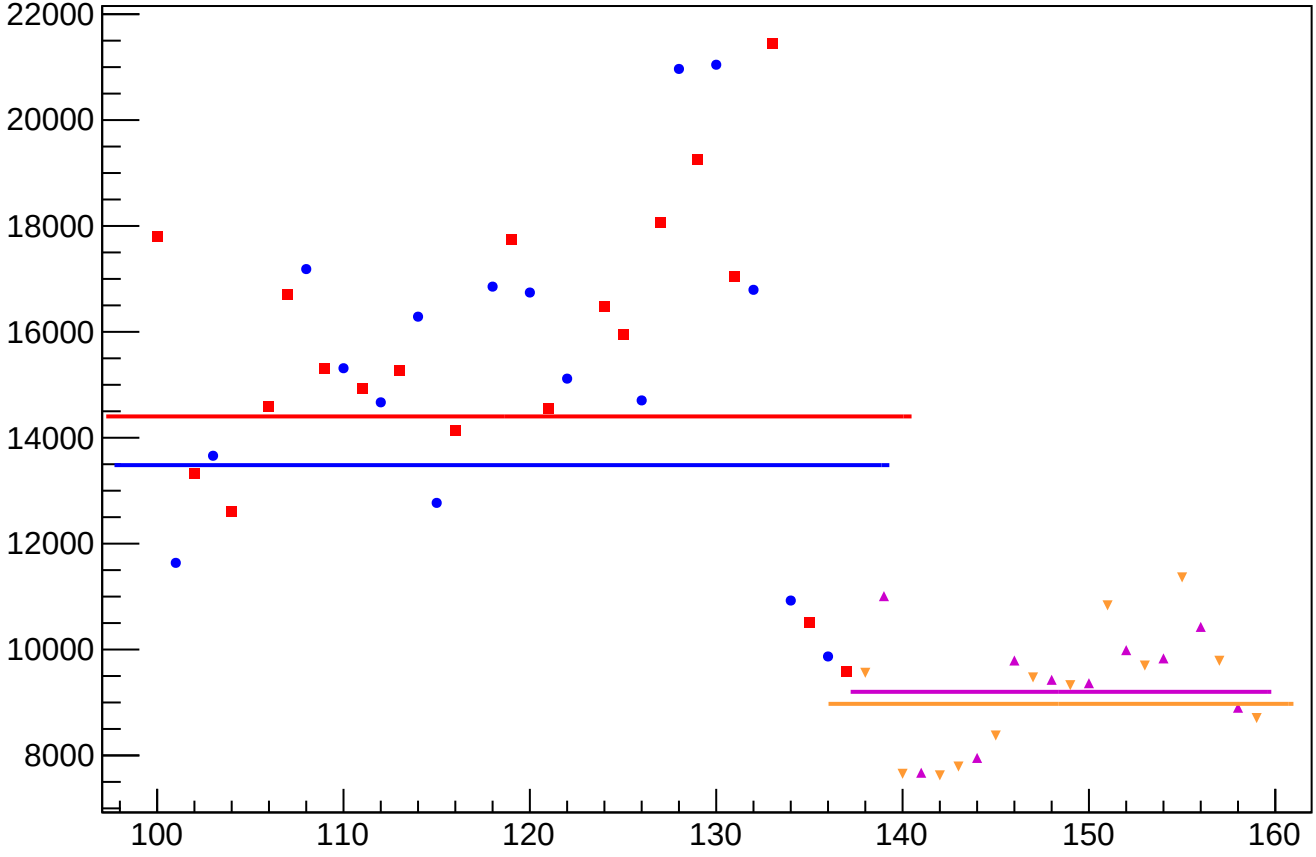
Left In: -2.120+/-3.142 χ^2/NDF:7.9/9

+ sign -11.672+/-2.555 χ^2/NDF: 52.6/27

All: -8.208+/-1.860 χ^2/NDF: 80.6/56

- sign -4.303+/-2.713 χ^2/NDF: 24.1/28

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

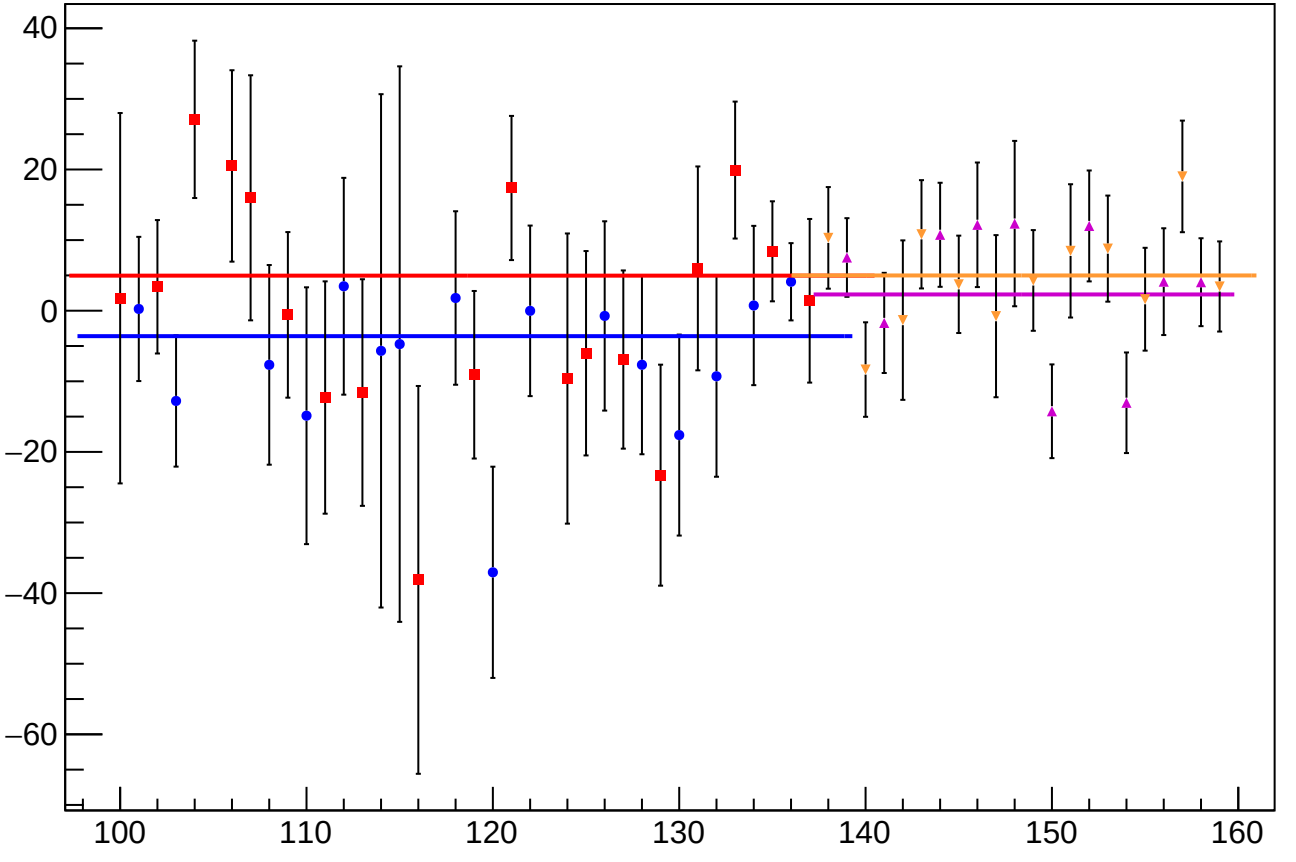
Left In: 9201.307+/-2.222 χ^2/NDF:209678.5/9

+ sign 10072.111+/-1.807 χ^2/NDF: 2170171.6/27

All: 10284.449+/-1.315 χ^2/NDF: 4355423.6/5

- sign 10523.845+/-1.918 χ^2/NDF: 2155870.1/28

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

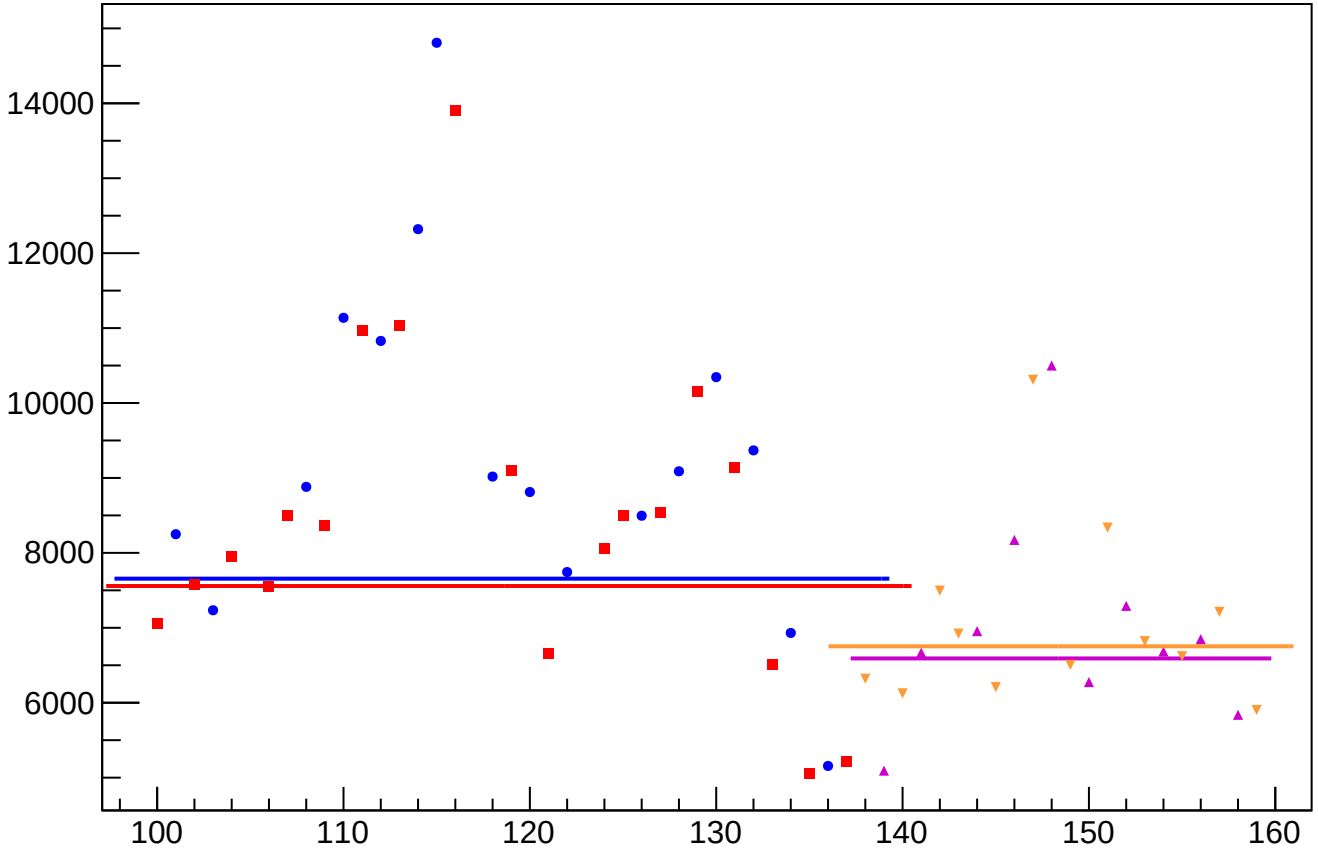
Left In: 2.302+/-2.279 χ^2/NDF:17.0/9

+ sign 1.872+/-1.771 χ^2/NDF: 25.4/27

All: 2.601+/-1.256 χ^2/NDF: 64.7/56

- sign 3.338+/-1.781 χ^2/NDF: 38.9/28

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

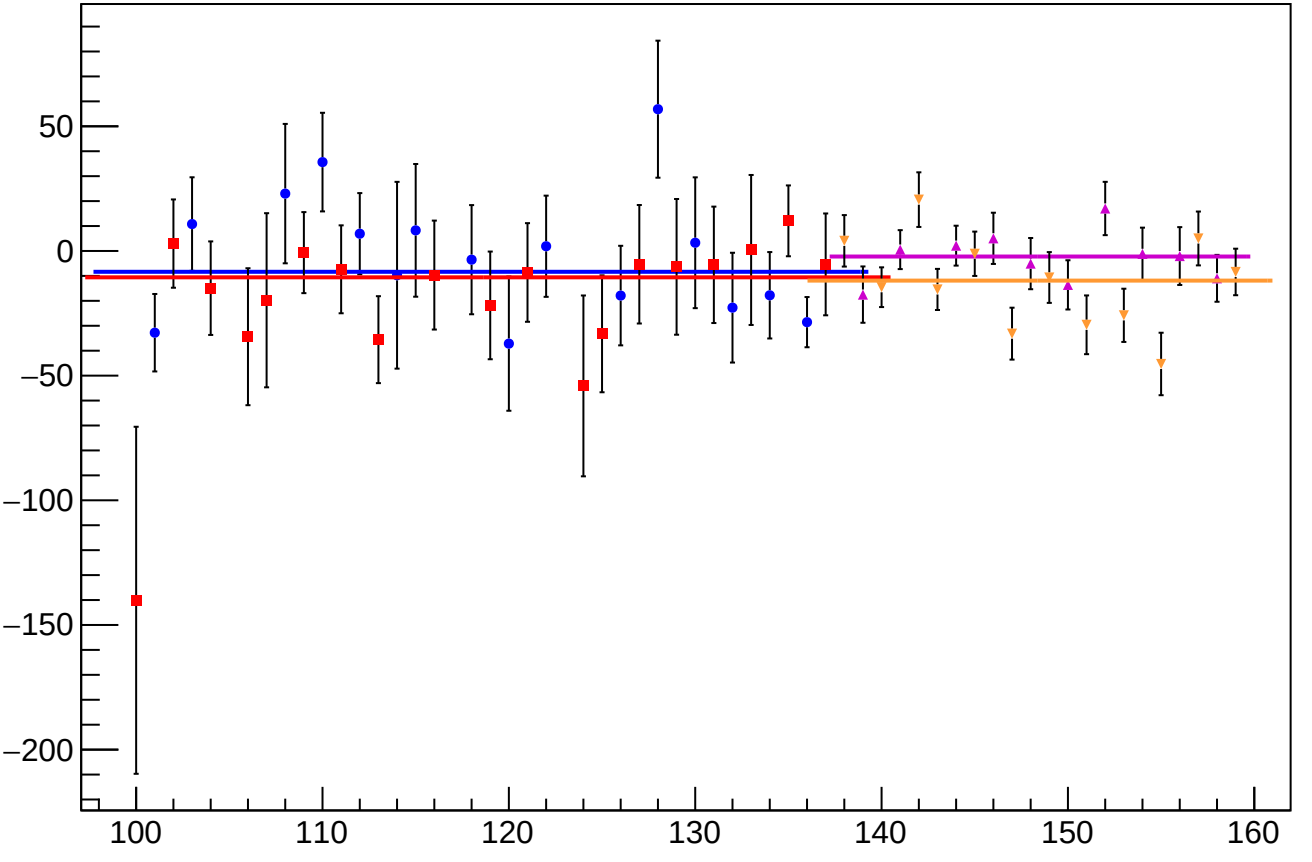
Left In: 6591.185+/-1.611 χ^2/NDF:489194.9/9

+ sign 7080.671+/-1.252 χ^2/NDF: 1340743.8/27

All: 7024.235+/-0.888 χ^2/NDF: 2783811.3/56

- sign 6967.161+/-1.259 χ^2/NDF: 1438983.2/28

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

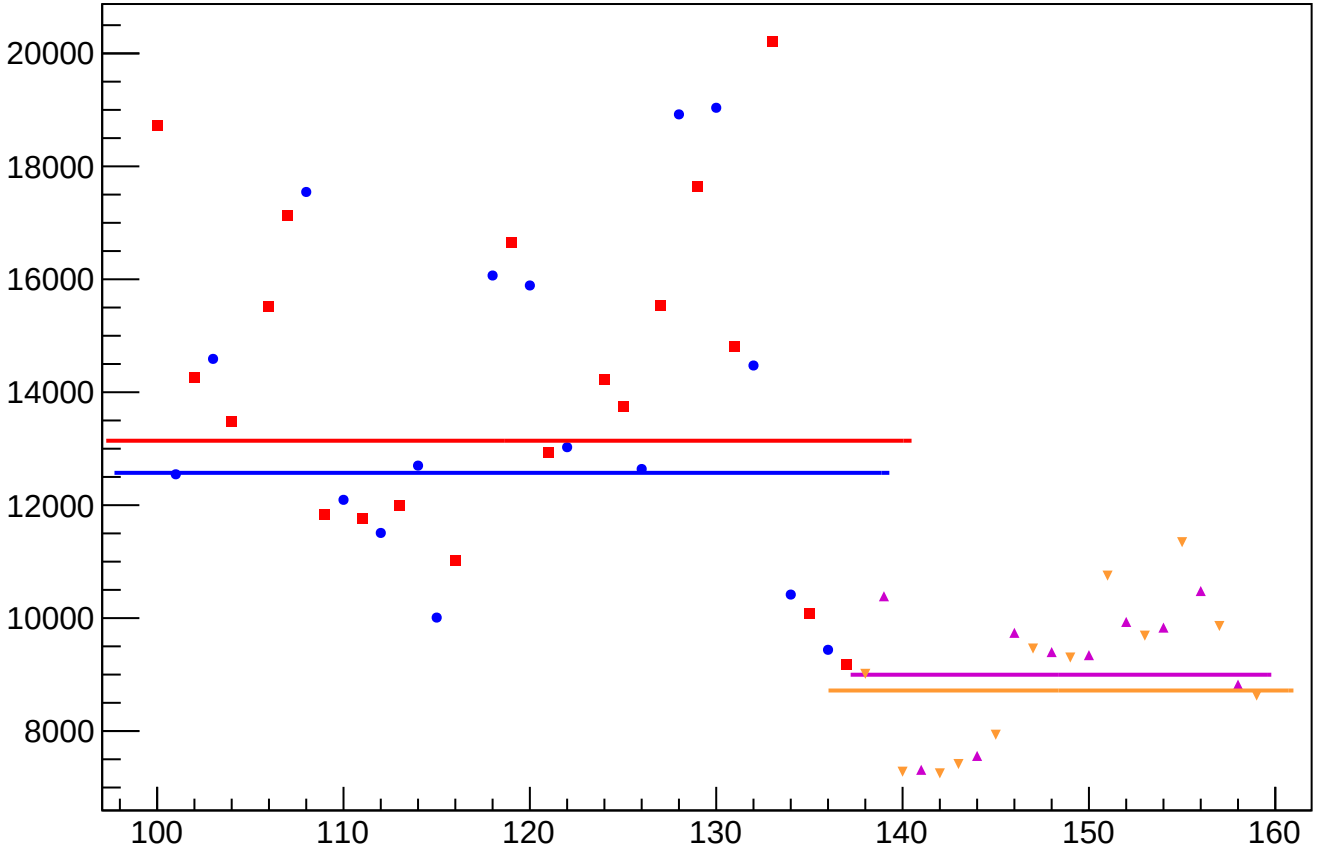
Left In: -2.228+/-3.077 χ^2/NDF:8.3/9

+ sign -10.963+/-2.460 χ^2/NDF: 54.4/27

All: -7.958+/-1.789 χ^2/NDF: 80.9/56

- sign -4.581+/-2.607 χ^2/NDF: 23.3/28

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

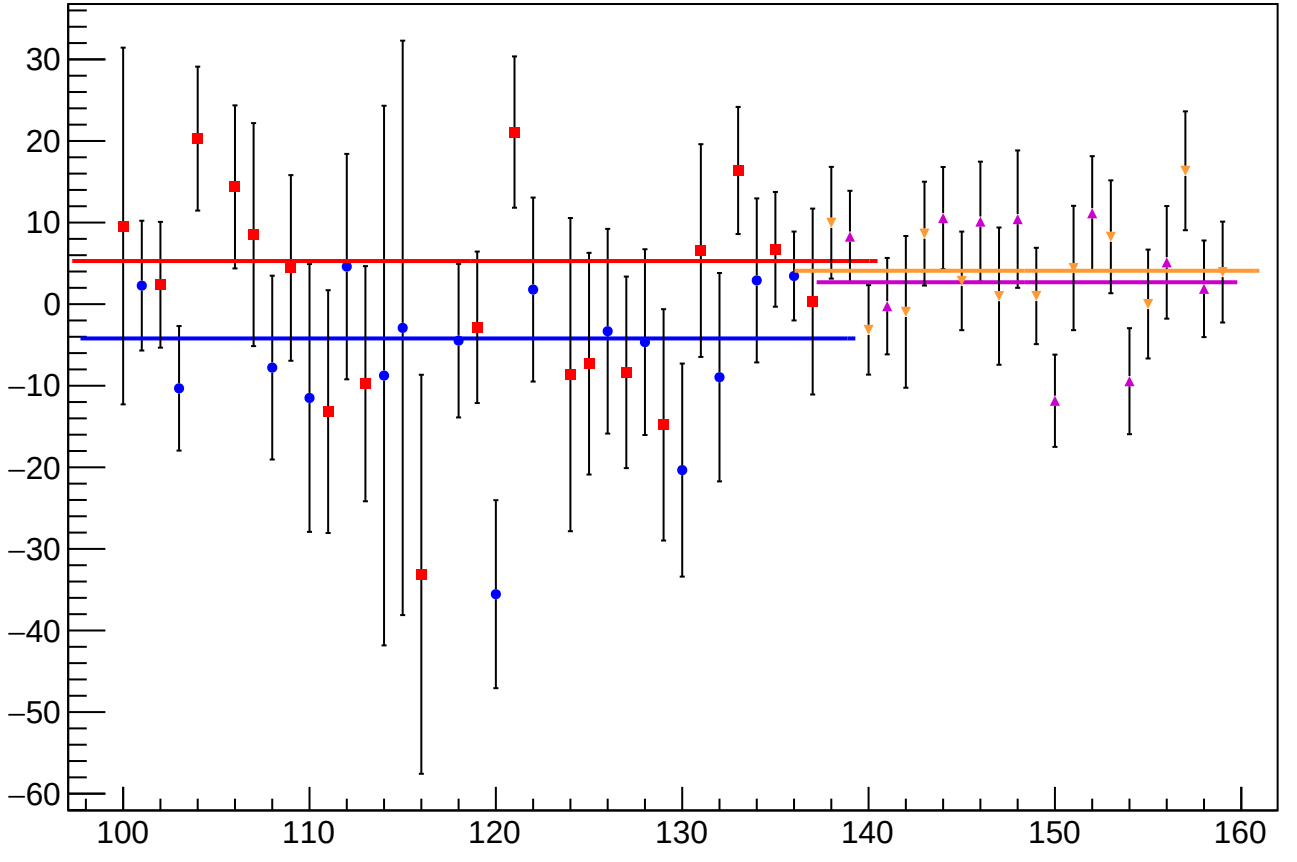
Left In: 8997.506+/-2.176 χ^2/NDF:264993.6/9

+ sign 9724.564+/-1.739 χ^2/NDF: 1983964.8/27

All: 9932.290+/-1.265 χ^2/NDF: 3836470.5/56

- sign 10165.703+/-1.844 χ^2/NDF: 1822216.7/28

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

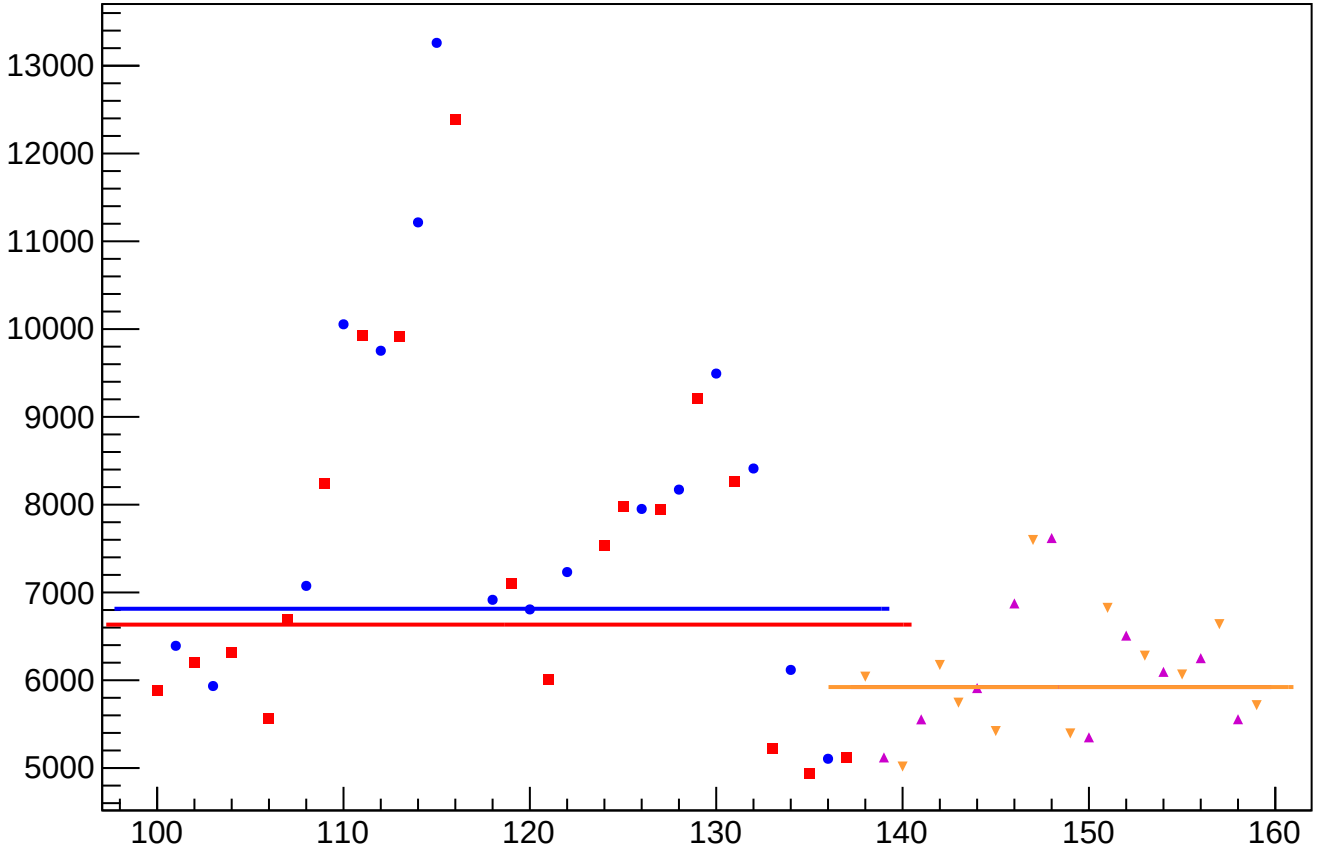
Left In: 2.684+/-2.027 χ^2/NDF:16.4/9

+ sign 1.132+/-1.553 χ^2/NDF: 27.7/27

All: 2.406+/-1.106 χ^2/NDF: 65.8/56

- sign 3.716+/-1.575 χ^2/NDF: 36.8/28

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

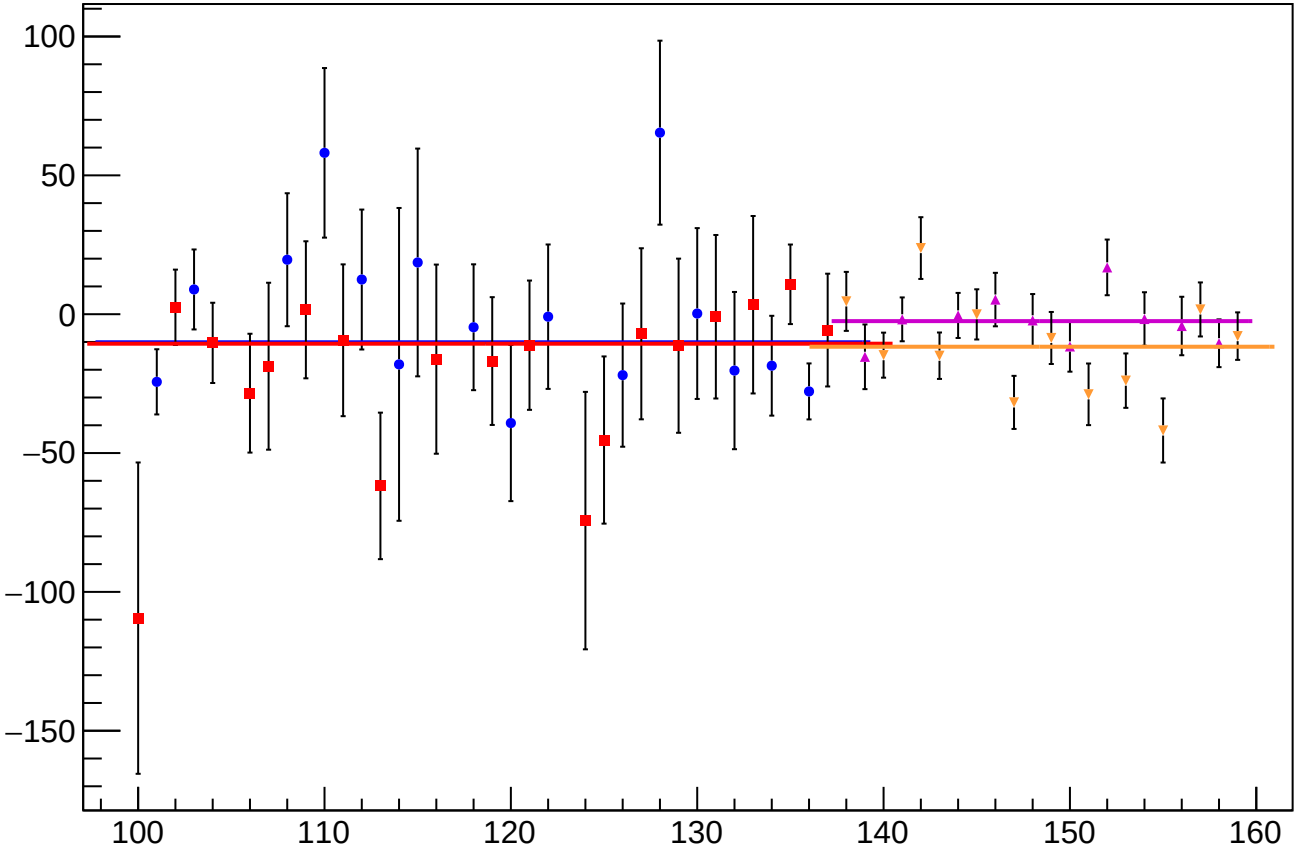
Left In: 5922.408+/-1.433 χ^2/NDF:211616.5/9

+ sign 6240.668+/-1.098 χ^2/NDF: 1048525.0/27

All: 6222.713+/-0.782 χ^2/NDF: 2121620.4/56

- sign 6204.252+/-1.114 χ^2/NDF: 1072553.4/28

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

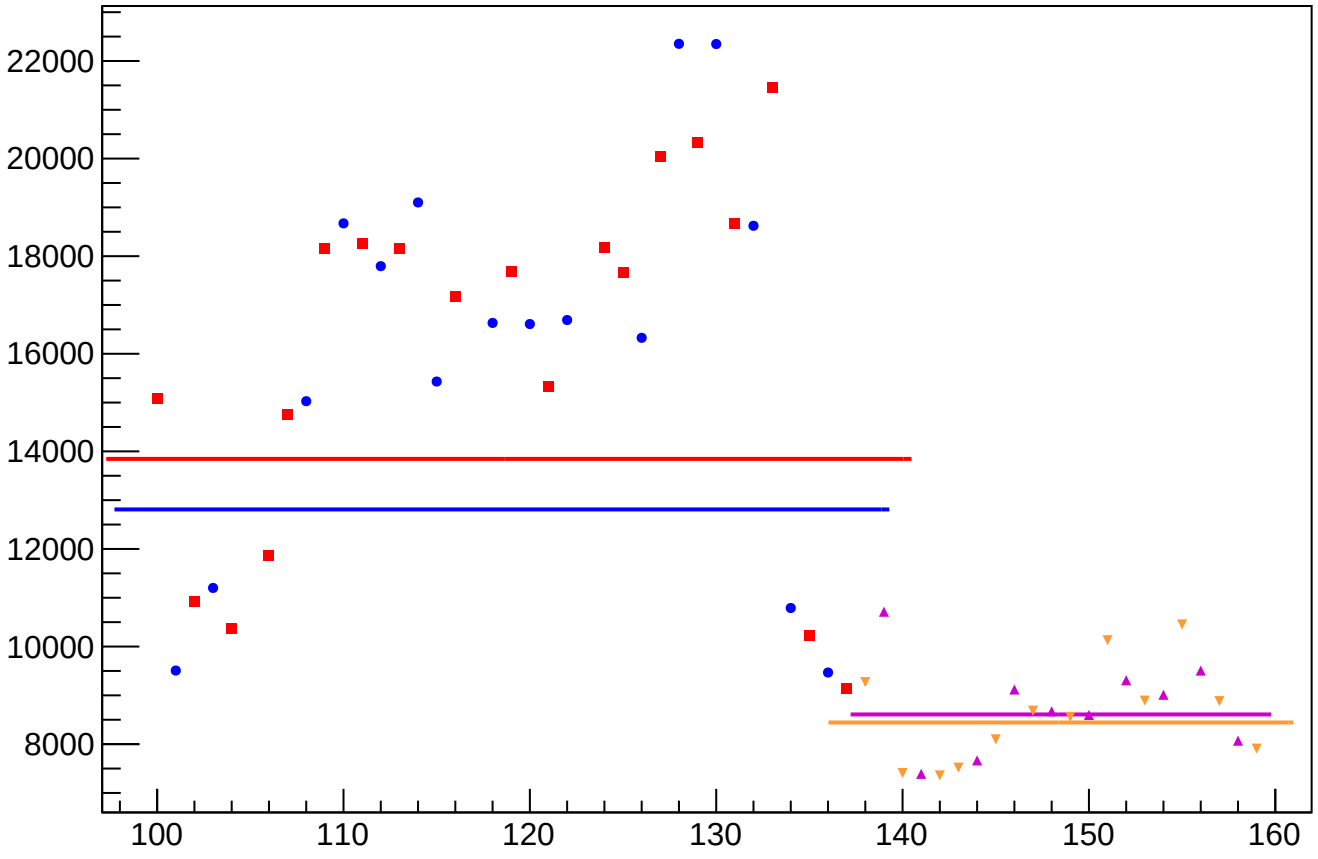
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -2.492+/-2.938 χ^2/NDF:7.6/9

+ sign -11.341+/-2.418 χ^2/NDF: 53.2/27

All: -8.086+/-1.760 χ^2/NDF: 81.2/56

- sign -4.416+/-2.567 χ^2/NDF: 24.1/28



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

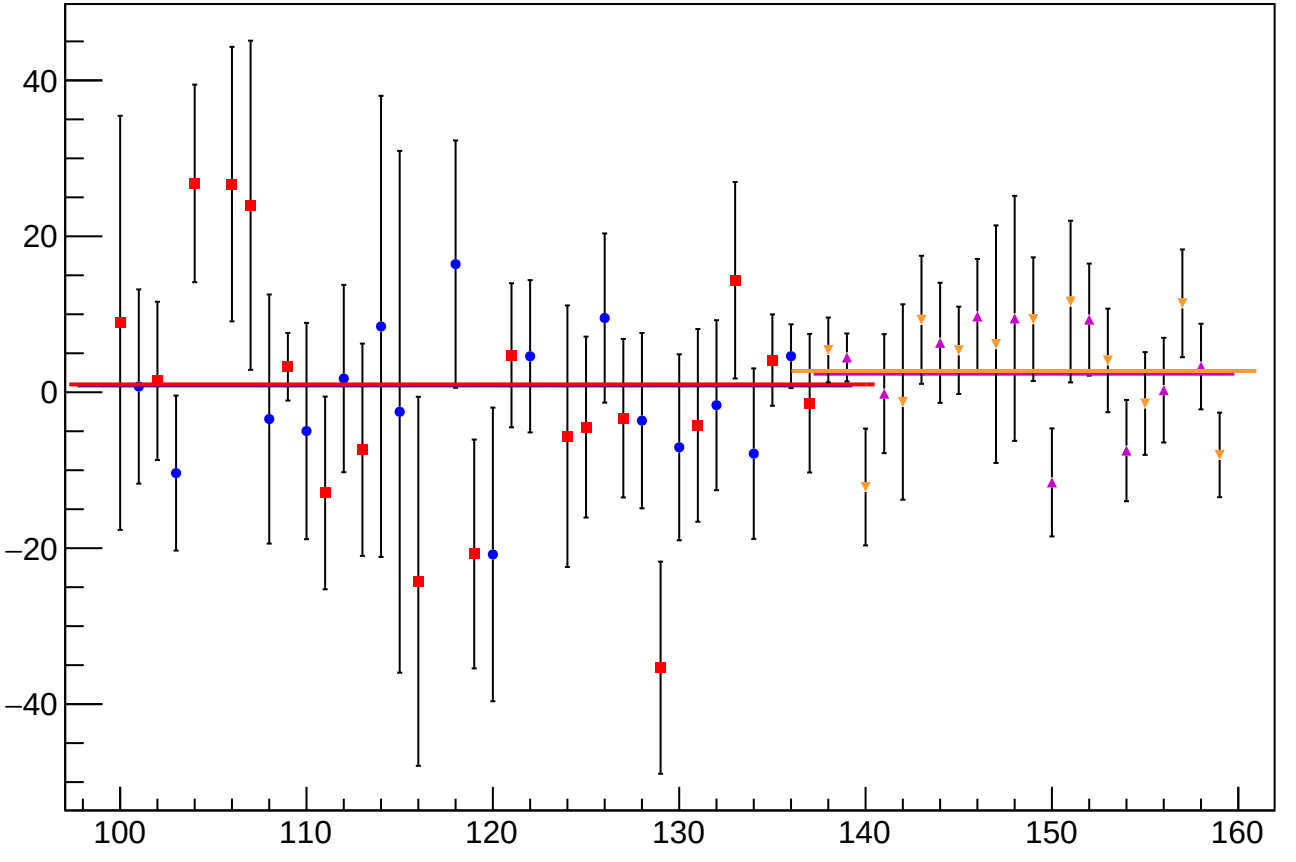
Left In: 8608.635+/-2.077 χ^2/NDF:181152.6/9

+ sign 9457.770+/-1.710 χ^2/NDF: 2626728.1/27

All: 9641.106+/-1.244 χ^2/NDF: 5432810.9/56

- sign 9847.713+/-1.815 χ^2/NDF: 2781623.9/28

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

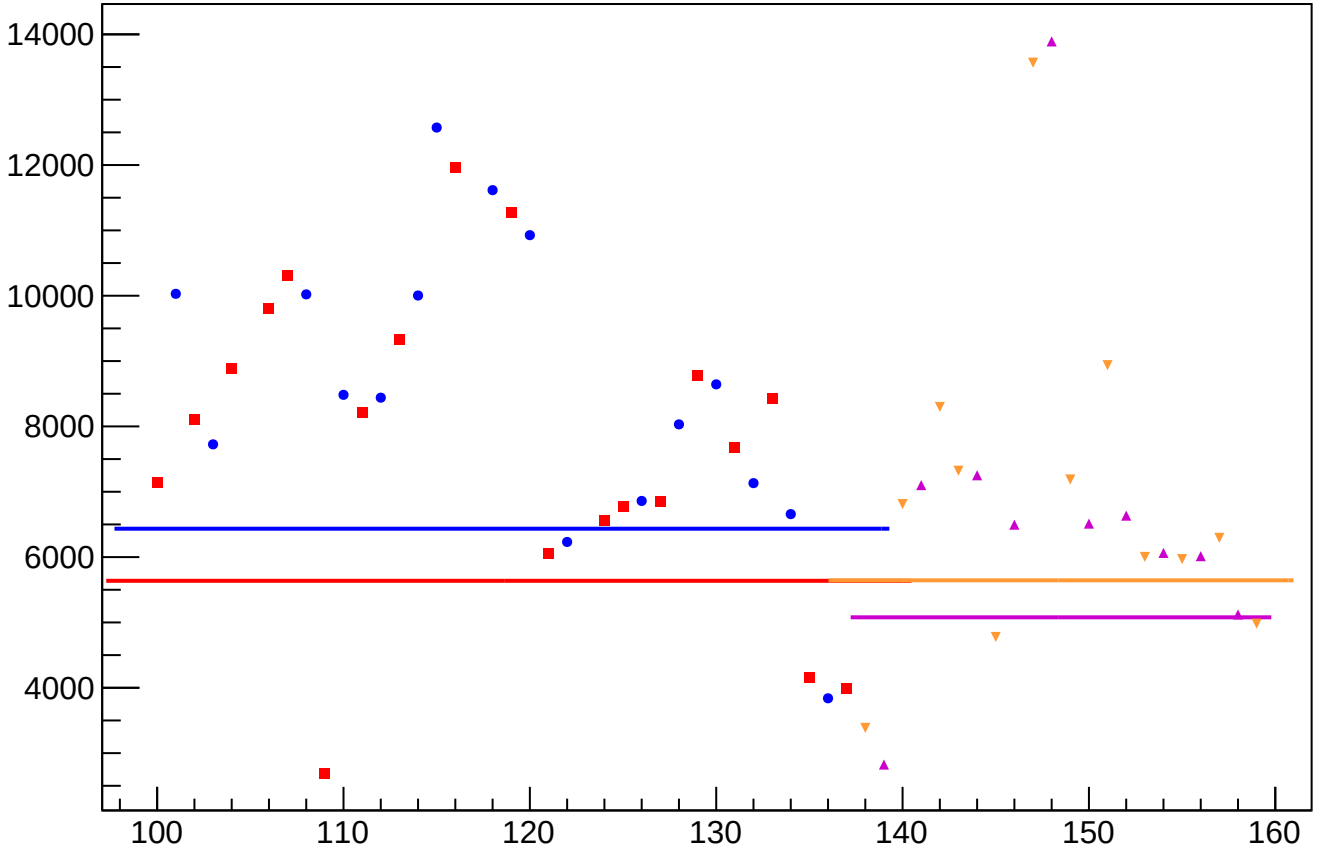
Left In: 2.384+/-1.884 χ^2/NDF:9.4/9

+ sign 2.049+/-1.560 χ^2/NDF: 19.9/27

All: 1.935+/-1.066 χ^2/NDF: 51.9/56

- sign 1.834+/-1.461 χ^2/NDF: 32.0/28

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

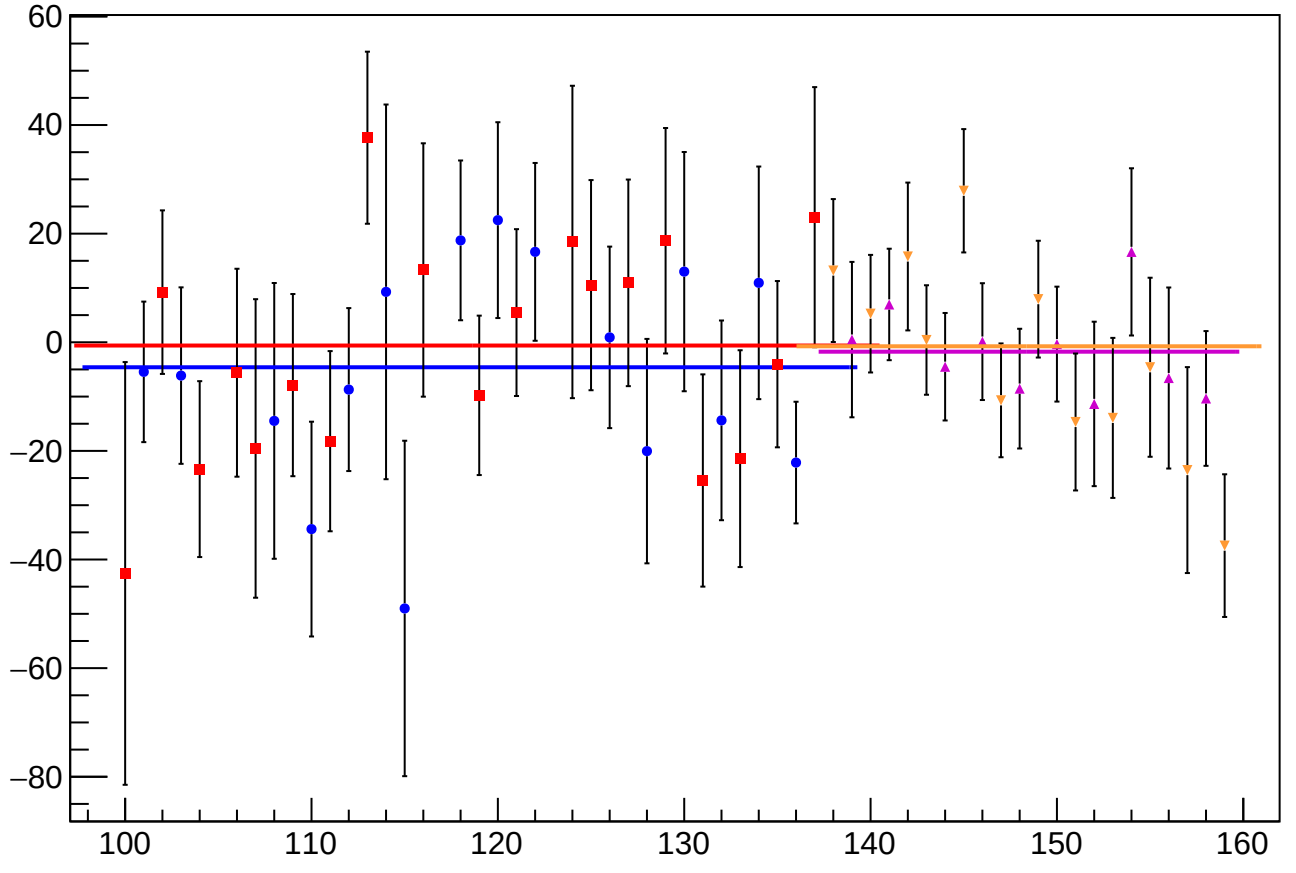
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5078.582+/-1.332 χ^2/NDF:2343070.4/9

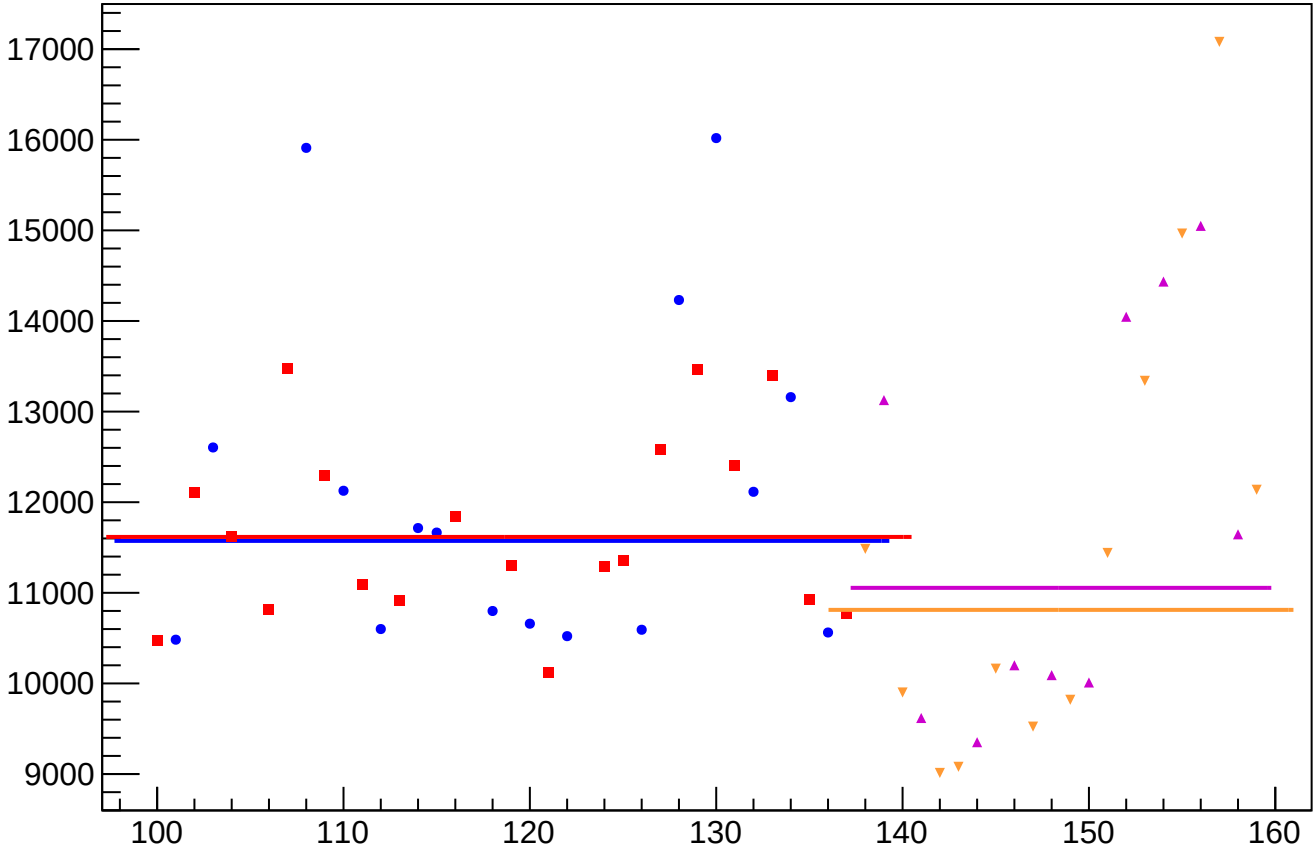
+ sign 5936.512+/-1.103 χ^2/NDF: 3607080.3/27

All: 5598.177+/-0.754 χ^2/NDF: 8776873.4/56

- sign 5301.387+/-1.033 χ^2/NDF: 4993206.4/28


diff_bpm11X_mean vs Slug
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -4.602+/-4.355 χ²/NDF: 15.8/15
Left Out: -0.737+/-3.575 χ²/NDF:22.2/11
Right Out: -0.600+/-4.266 χ²/NDF: 17.9/18
Left In: -1.736+/-3.805 χ²/NDF:3.6/9
+ sign -2.293+/-2.763 χ²/NDF: 38.4/27
All: -1.777+/-1.980 χ²/NDF: 60.1/56
- sign -1.233+/-2.840 χ²/NDF: 21.6/28

diff_bpm11X_rms vs Slug



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10811.803+/-2.528 χ^2/NDF:597071.0/11

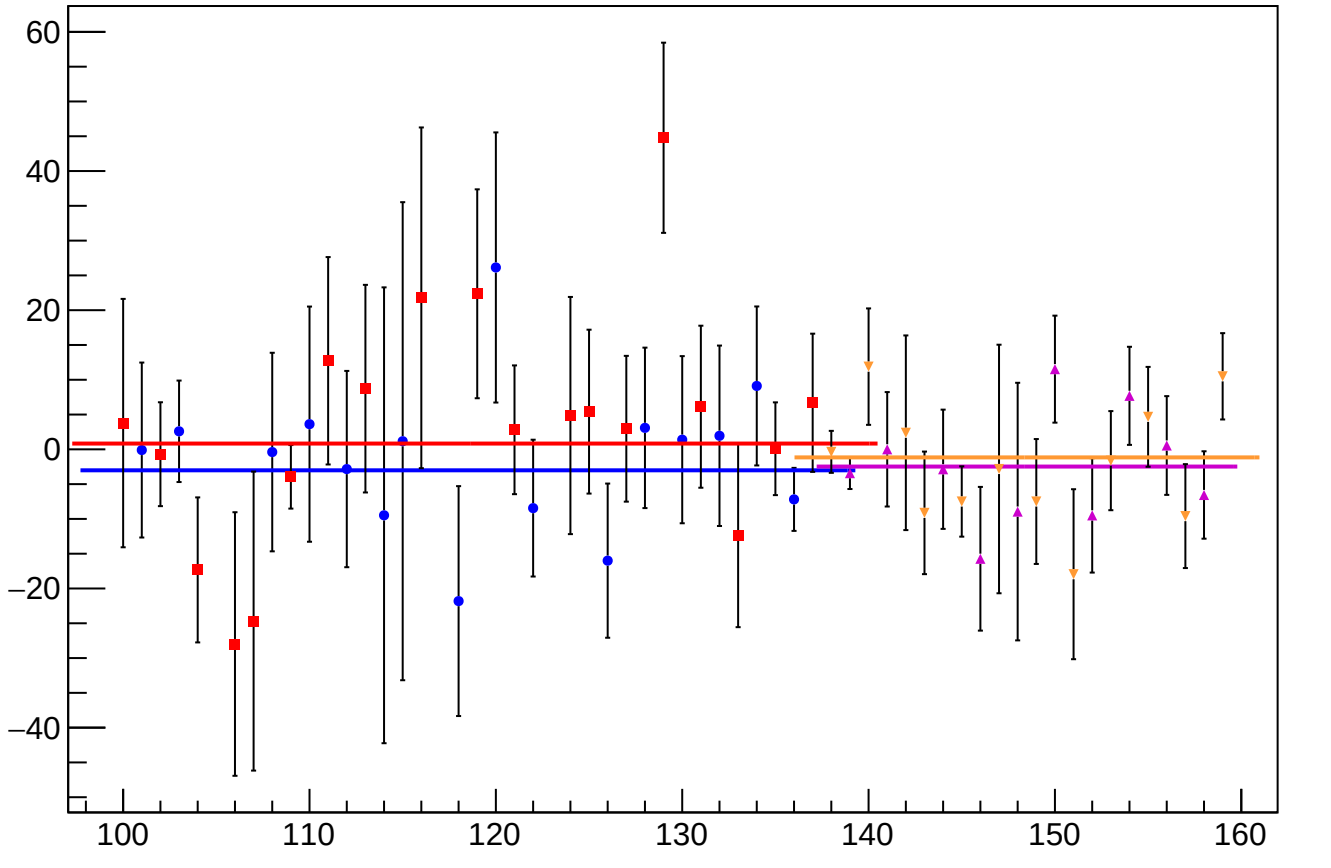
Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11054.836+/-2.690 χ^2/NDF:481742.0/9

+ sign 11118.342+/-1.954 χ^2/NDF: 893647.4/27

All: 11208.526+/-1.400 χ^2/NDF: 1492260.7/5

- sign 11303.757+/-2.008 χ^2/NDF: 594233.6/28



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

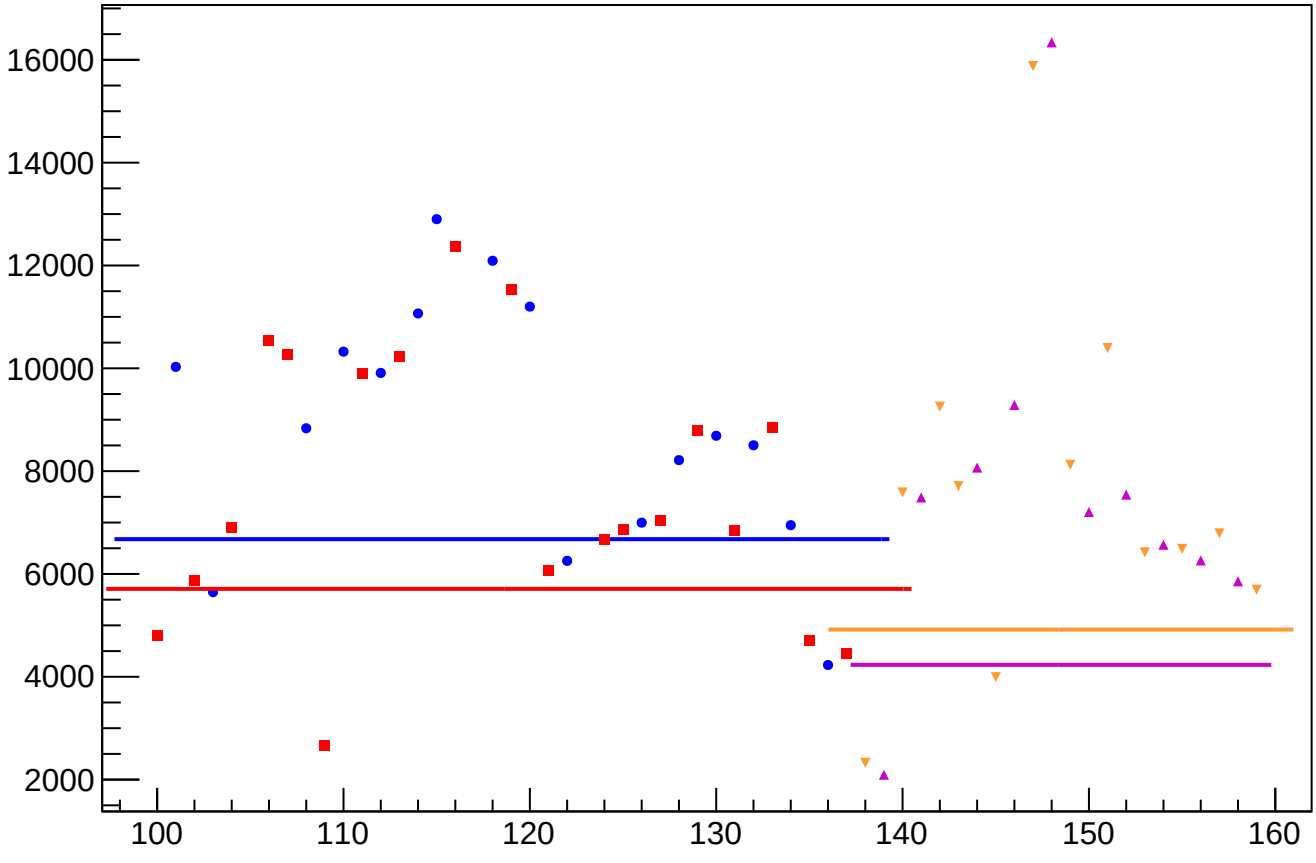
Left In: -2.475+/-1.741 χ^2/NDF:8.8/9

+ sign -1.773+/-1.528 χ^2/NDF: 21.8/27

All: -1.518+/-1.032 χ^2/NDF: 55.7/56

- sign -1.305+/-1.399 χ^2/NDF: 33.9/28

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

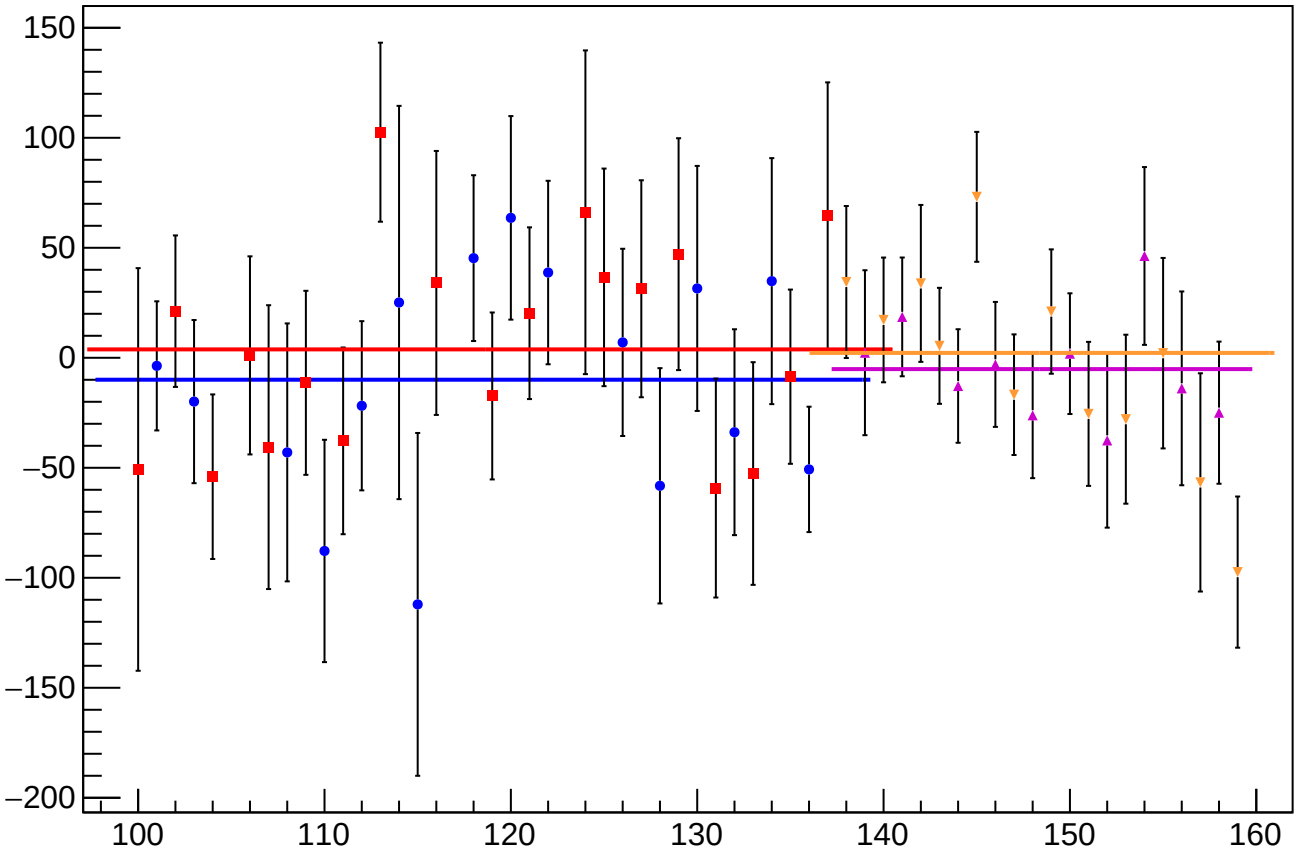
Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4232.000+/-1.231 χ^2/NDF:4947091.9/9

+ sign 5500.958+/-1.080 χ^2/NDF: 6048364.5/27

All: 5095.298+/-0.730 χ^2/NDF: 14066122.9/5

- sign 4755.050+/-0.989 χ^2/NDF: 7758425.0/28



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.220+/-9.352 χ^2/NDF:19.8/11

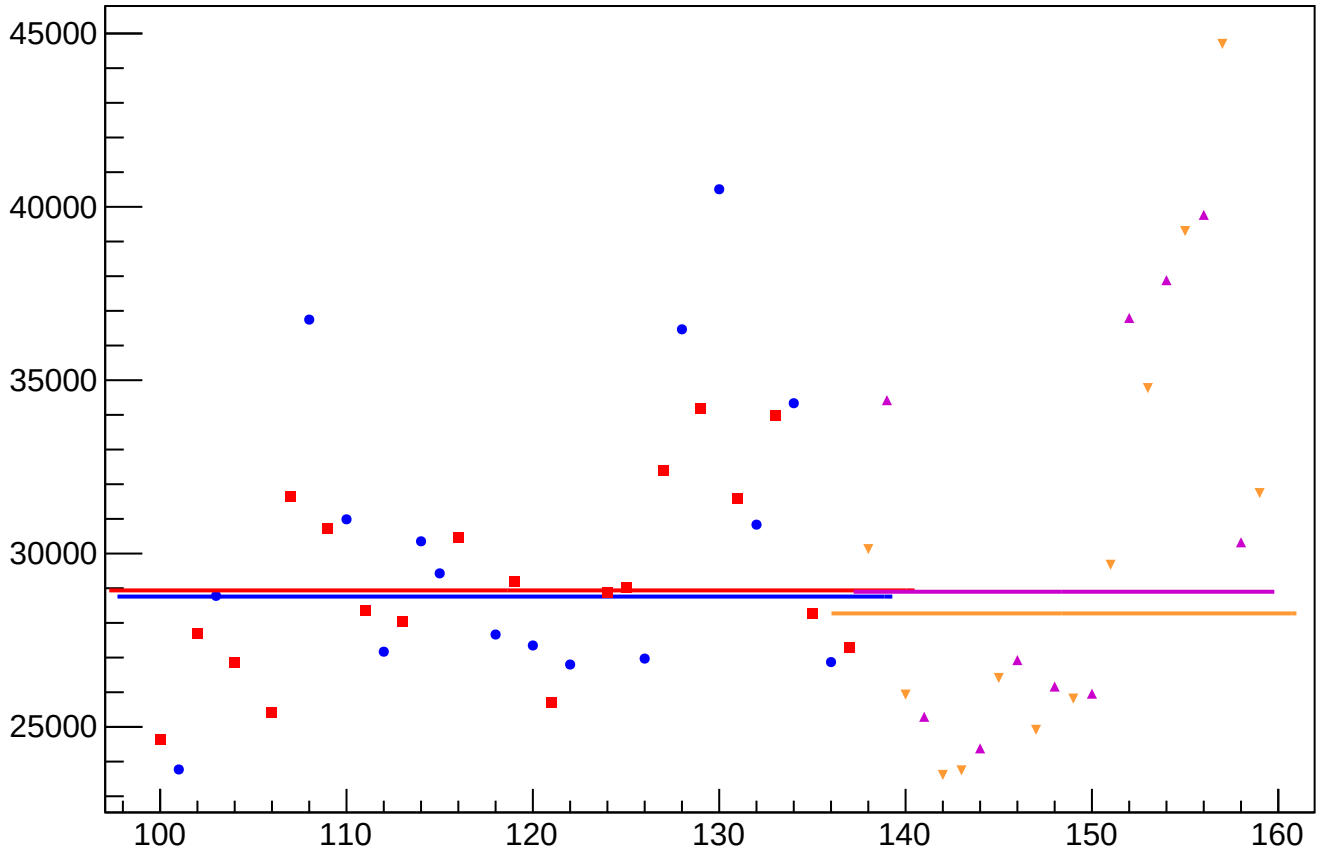
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -5.145+/-9.950 χ^2/NDF:4.2/9

+ sign -2.983+/-7.080 χ^2/NDF: 35.8/27

All: -2.000+/-5.071 χ^2/NDF: 57.7/56

- sign -0.964+/-7.266 χ^2/NDF: 21.9/28



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28273.727+/-6.613 χ^2/NDF:596066.5/11

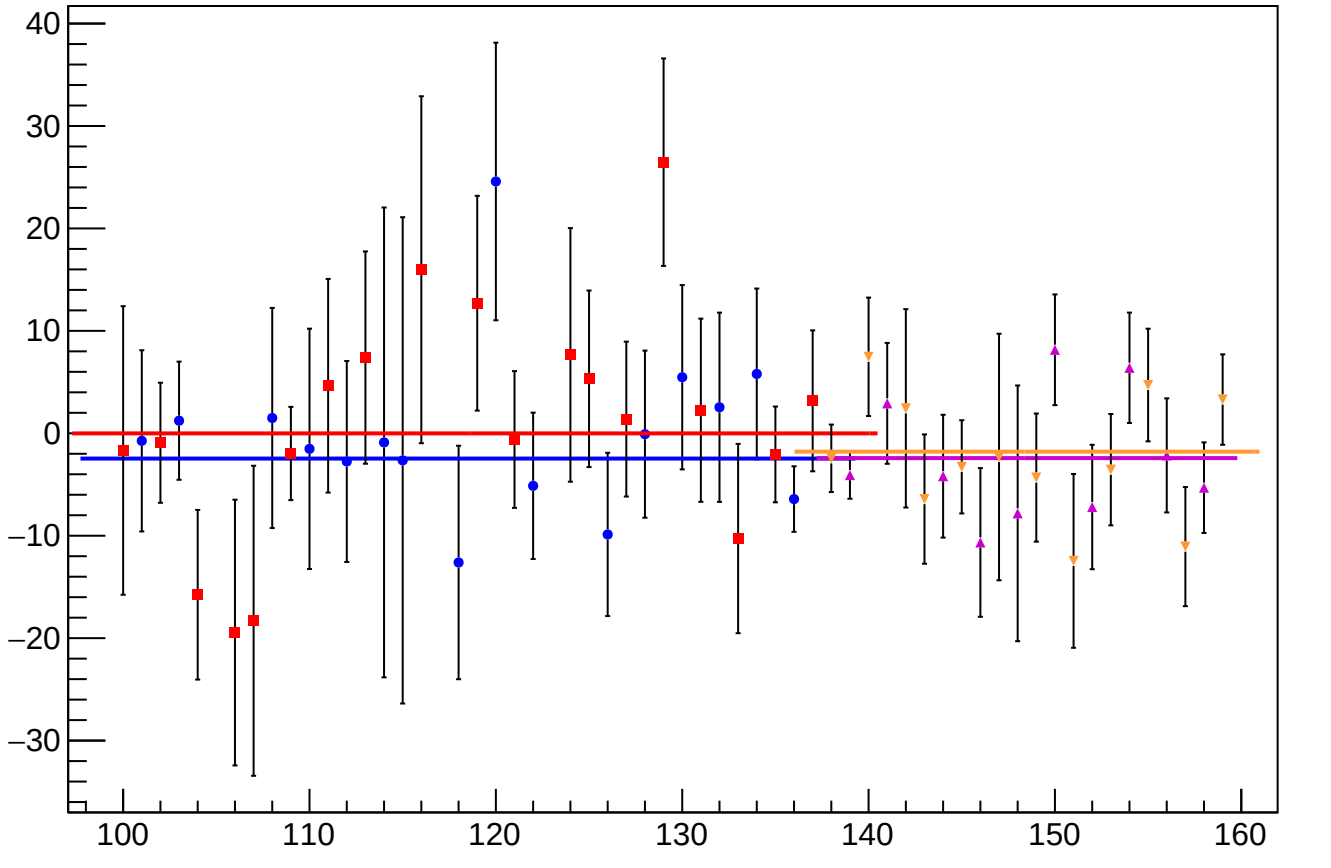
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28898.573+/-7.035 χ^2/NDF:495372.5/9

+ sign 28480.912+/-5.006 χ^2/NDF: 876006.0/27

All: 28693.200+/-3.586 χ^2/NDF: 1481351.0/5

- sign 28916.802+/-5.138 χ^2/NDF: 601652.9/28



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

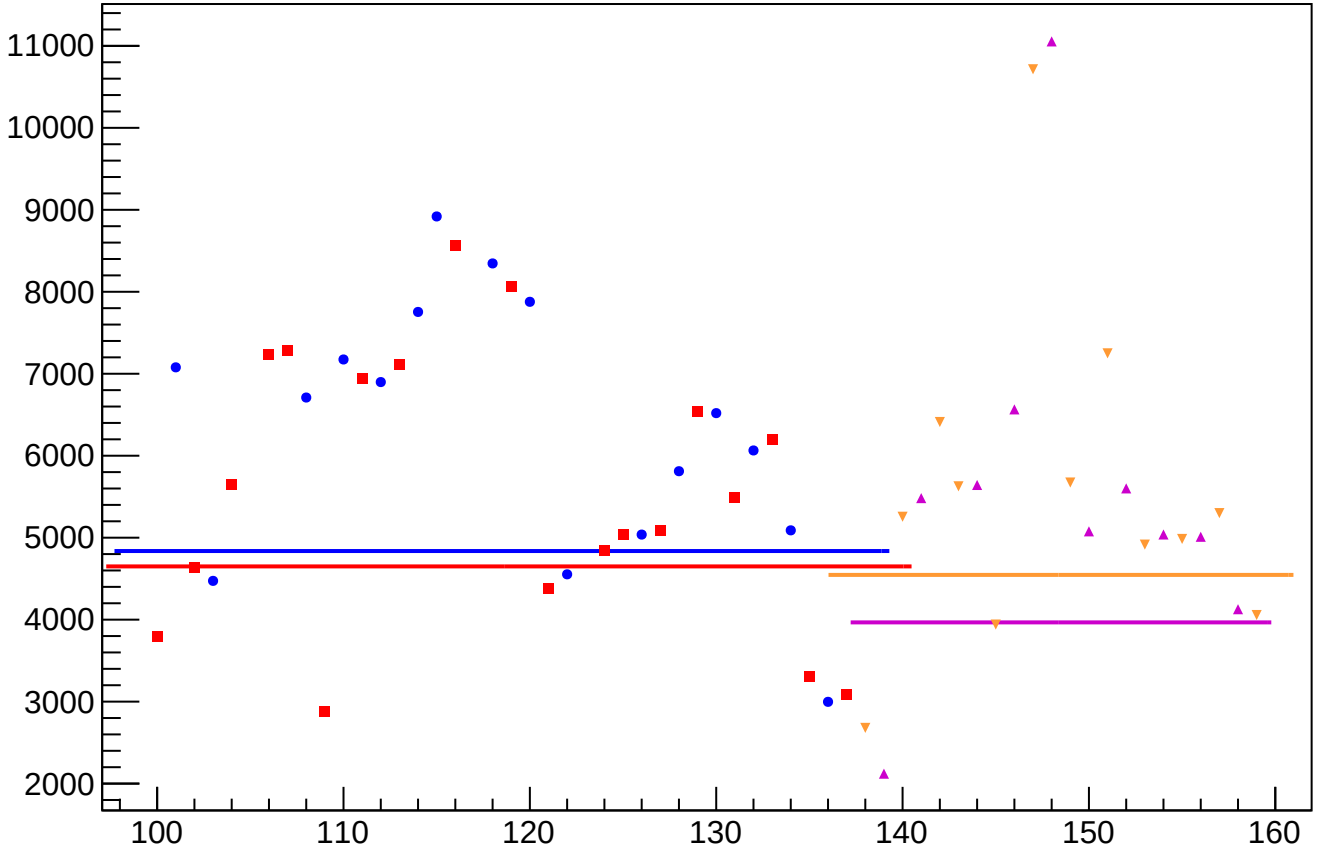
Left In: -2.423+/-1.493 χ^2/NDF:10.4/9

+ sign -2.065+/-1.219 χ^2/NDF: 20.7/27

All: -1.745+/-0.839 χ^2/NDF: 52.3/56

- sign -1.457+/-1.156 χ^2/NDF: 31.5/28

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

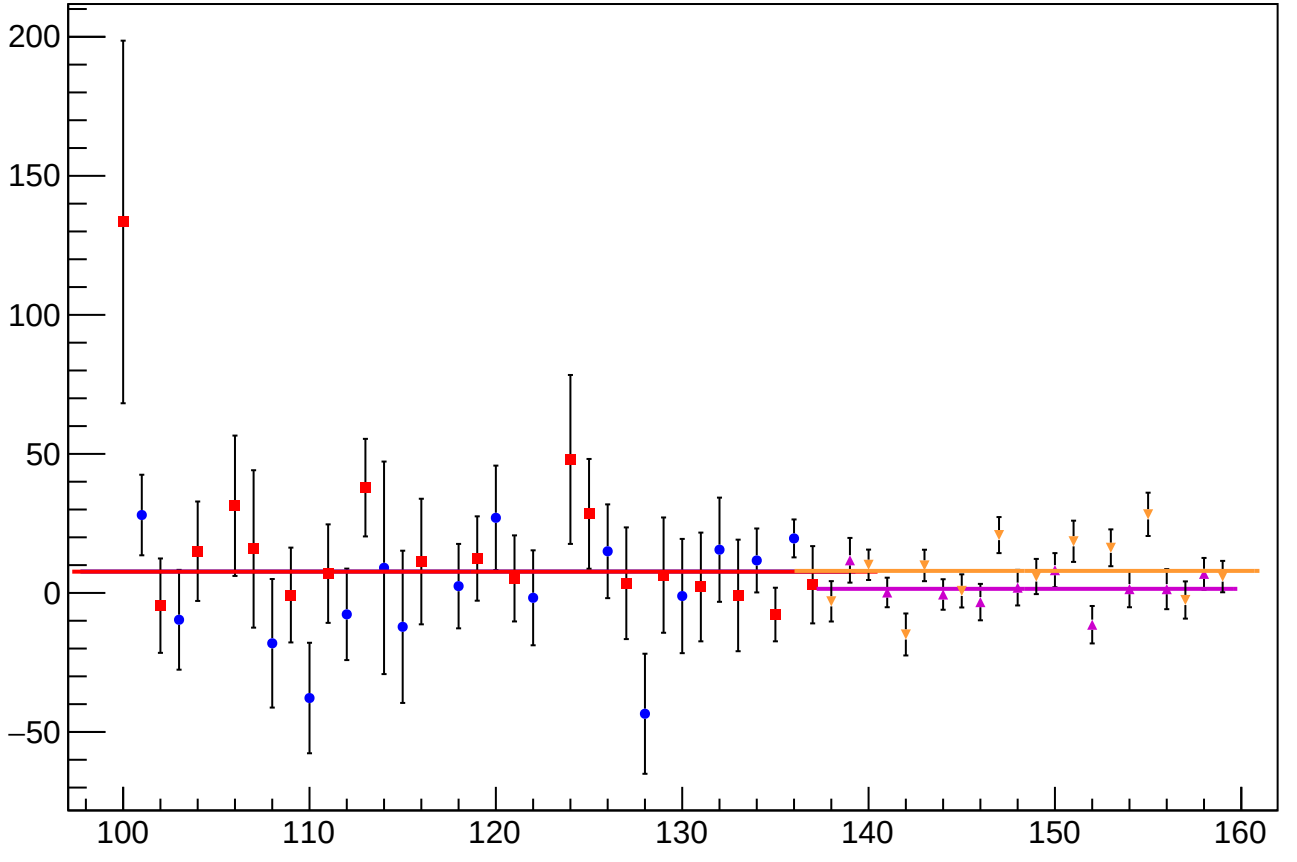
Left In: 3966.653+/-1.056 χ^2/NDF:2849244.8/9

+ sign 4663.923+/-0.862 χ^2/NDF: 3290004.4/27

All: 4440.709+/-0.593 χ^2/NDF: 7868656.4/56

- sign 4239.873+/-0.818 χ^2/NDF: 4451255.7/28

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

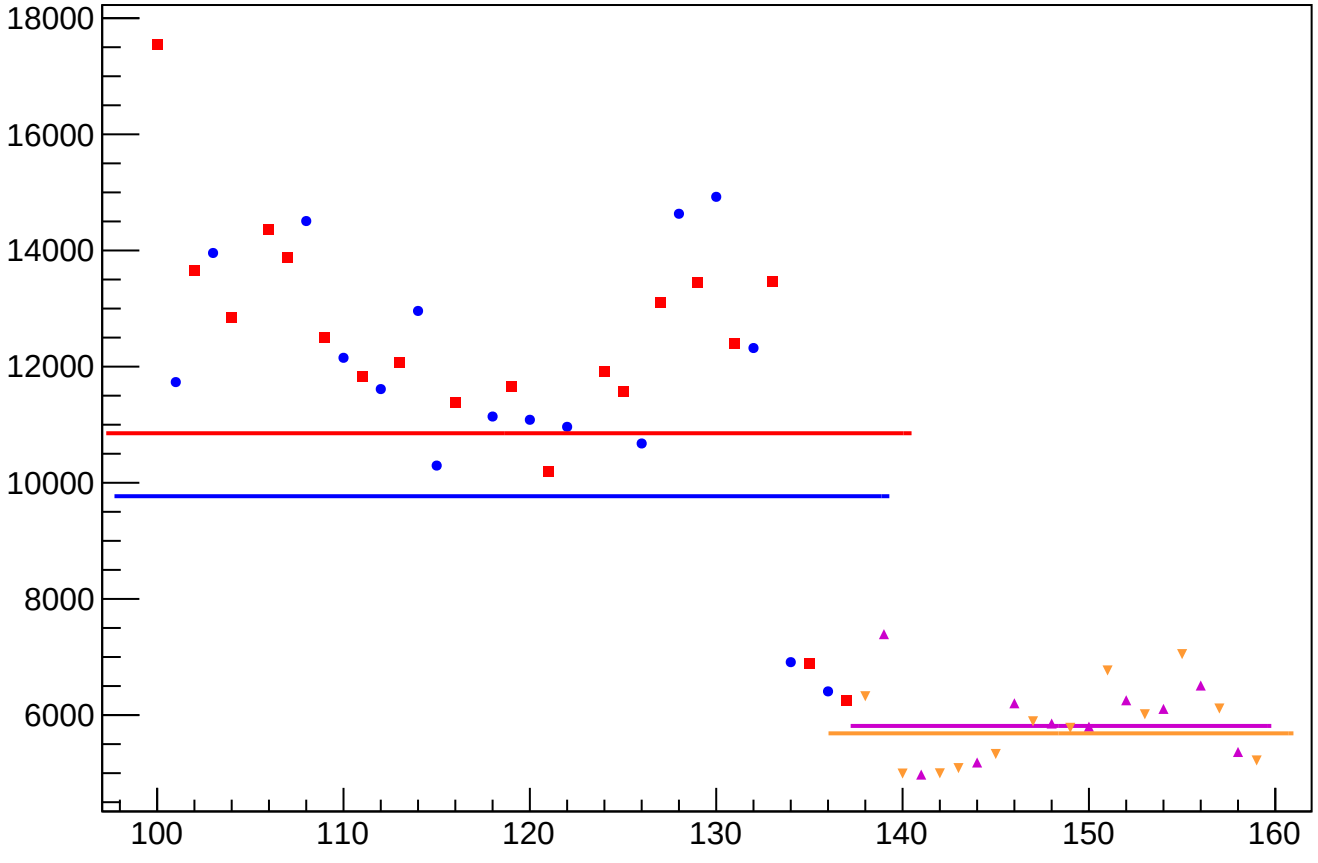
Left In: 1.472+/-1.985 χ^2/NDF:8.1/9

+ sign 7.882+/-1.672 χ^2/NDF: 51.9/27

All: 5.437+/-1.221 χ^2/NDF: 81.0/56

- sign 2.645+/-1.786 χ^2/NDF: 24.6/28

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

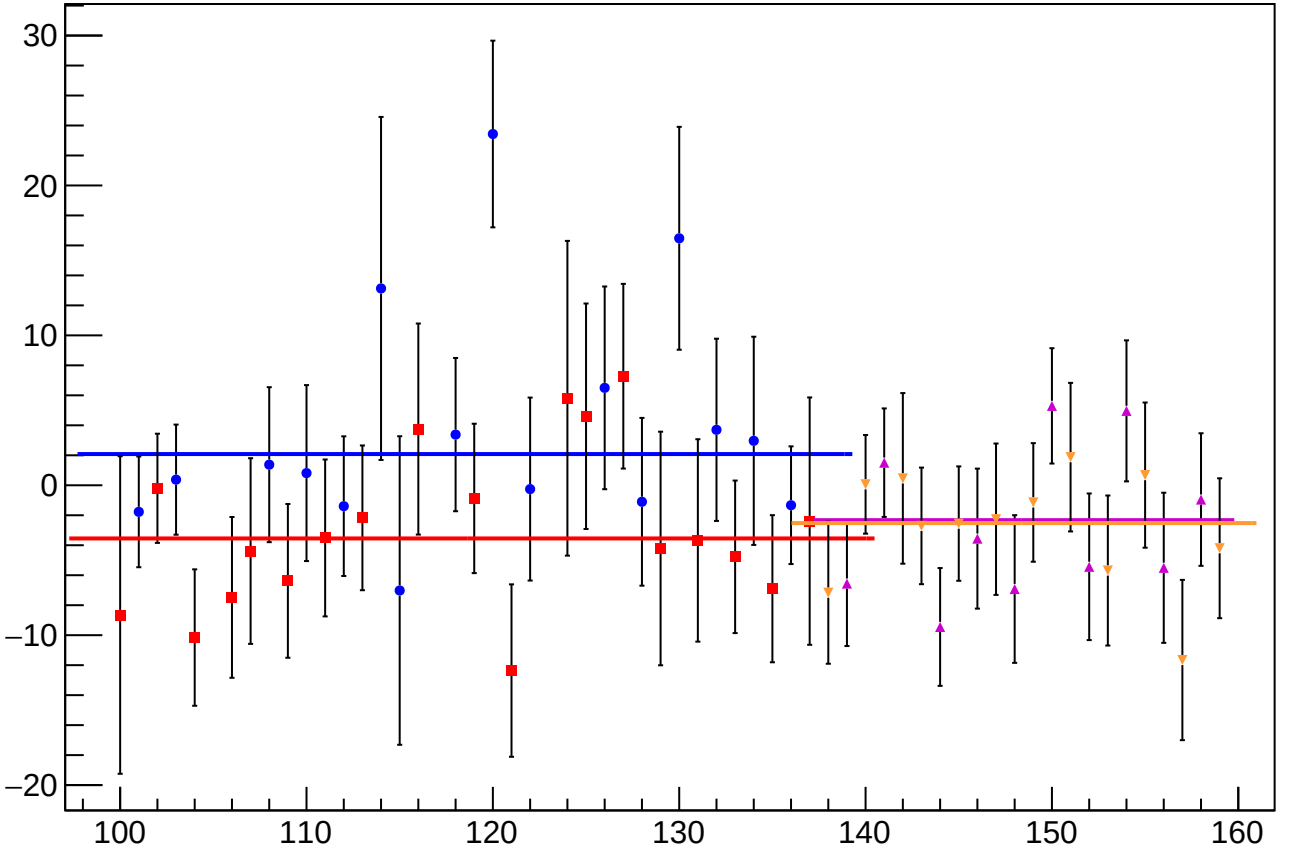
Left In: 5813.152+/-1.403 χ^2/NDF:204123.2/9

+ sign 6467.425+/-1.182 χ^2/NDF: 3288561.7/27

All: 6608.810+/-0.863 χ^2/NDF: 6846848.5/56

- sign 6770.290+/-1.263 χ^2/NDF: 3527636.5/28

diff_bpm16Y_mean vs Slug



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

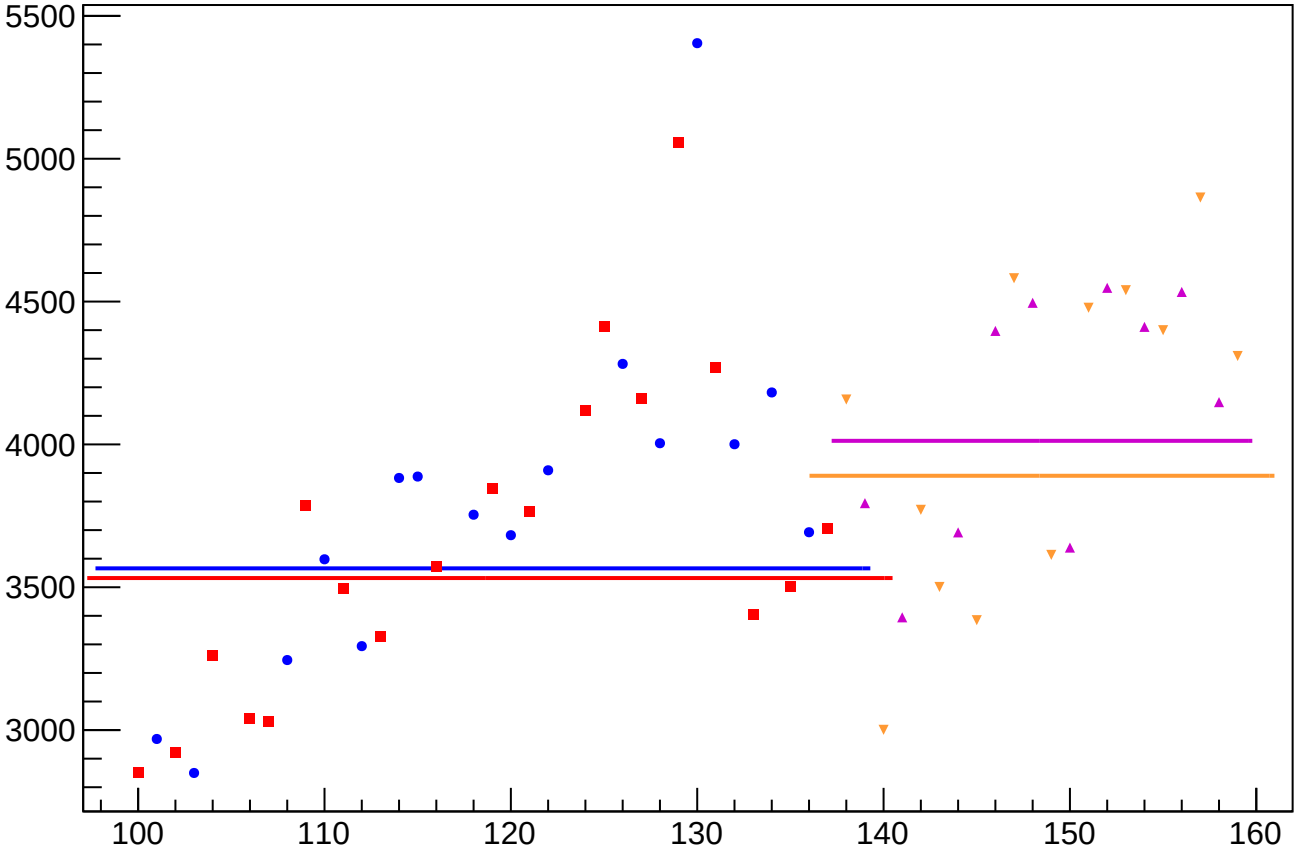
Left In: -2.327+/-1.372 χ^2/NDF:13.6/9

+ sign -0.334+/-0.928 χ^2/NDF: 33.7/27

All: -1.626+/-0.662 χ^2/NDF: 65.2/56

- sign -2.967+/-0.945 χ^2/NDF: 27.5/28

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

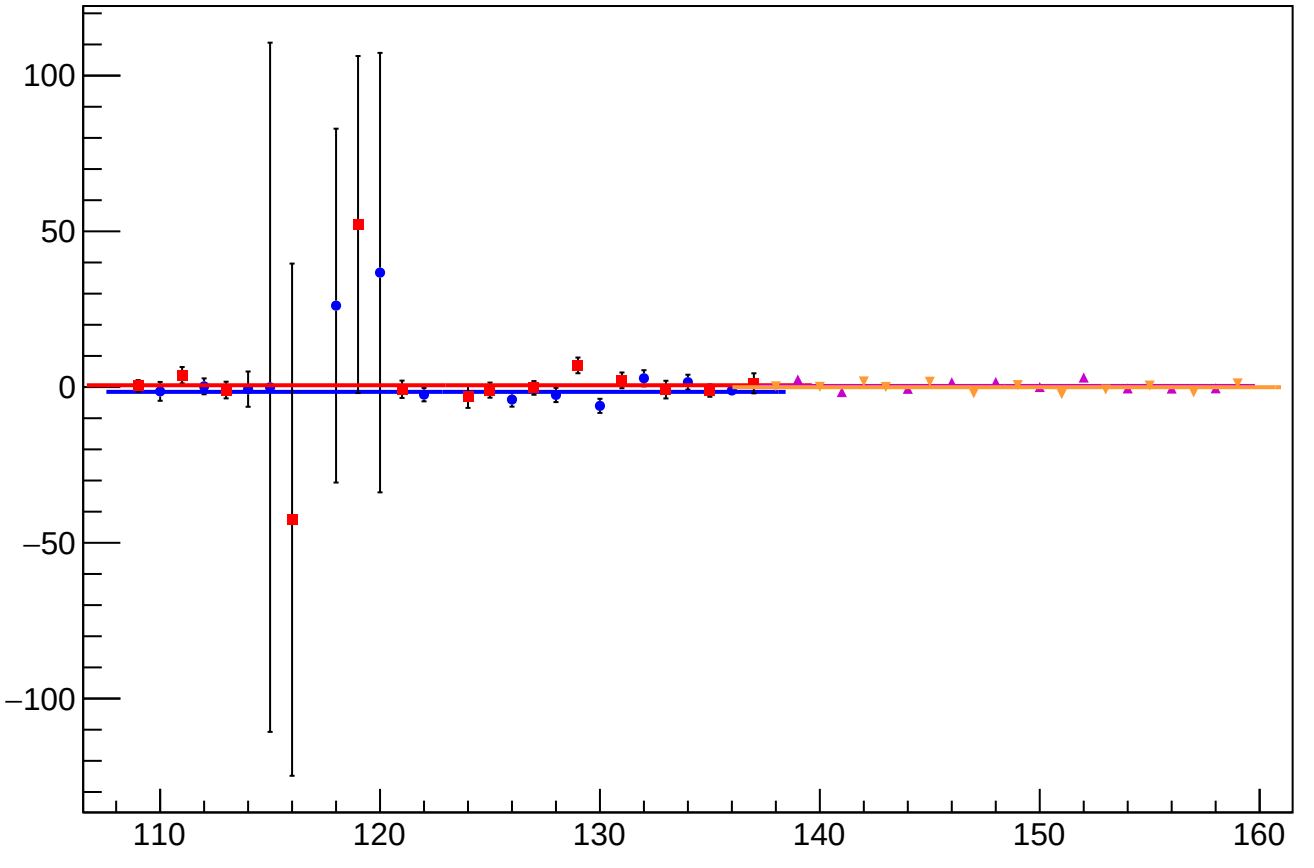
Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4012.520+/-0.970 χ^2/NDF:190670.2/9

+ sign 3736.188+/-0.656 χ^2/NDF: 824291.5/27

All: 3747.978+/-0.468 χ^2/NDF: 1423107.1/56

- sign 3760.222+/-0.668 χ^2/NDF: 598156.8/28



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

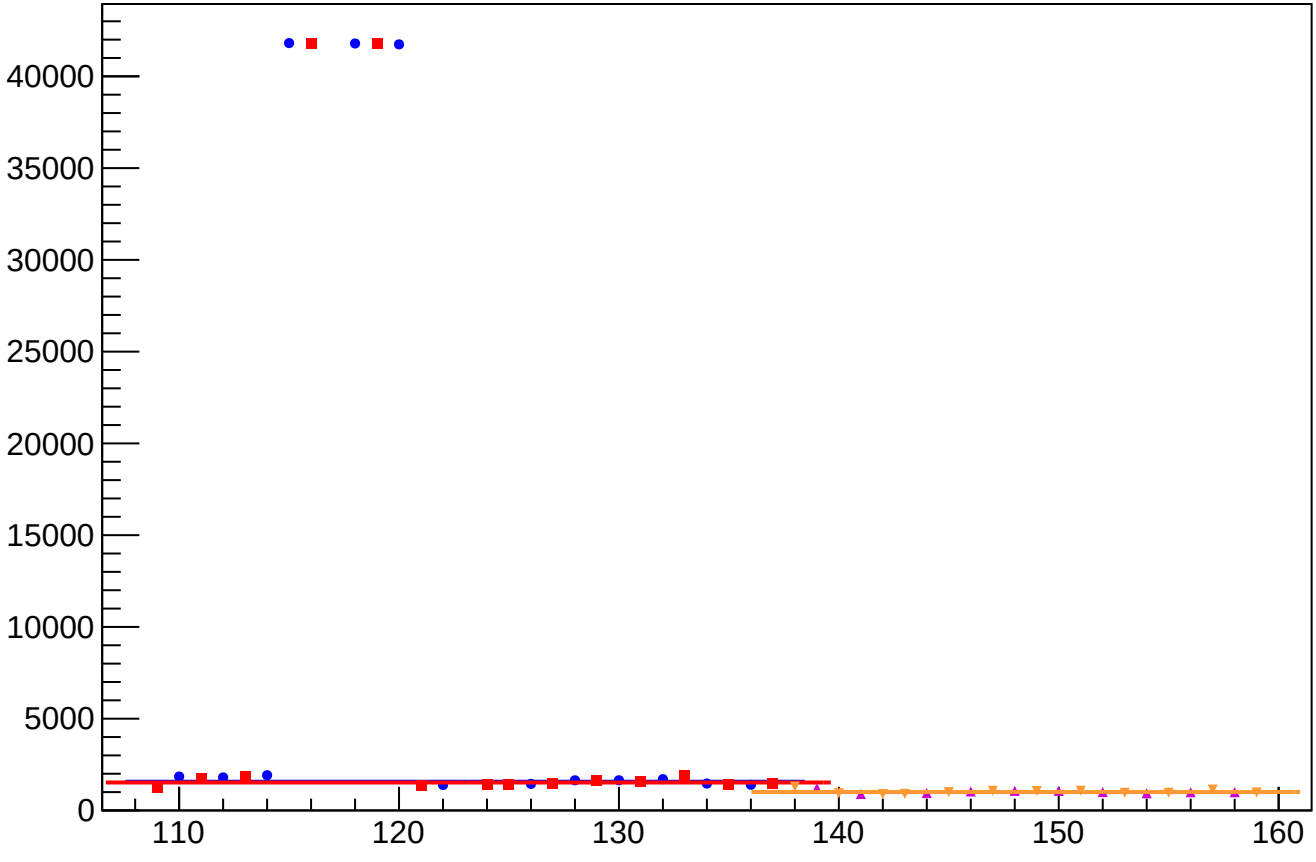
Left In: 0.360+/-0.341 χ^2/NDF:18.0/9

+ sign -0.293+/-0.300 χ^2/NDF: 29.5/24

All: 0.045+/-0.215 χ^2/NDF: 62.8/48

- sign 0.402+/-0.308 χ^2/NDF: 30.7/23

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

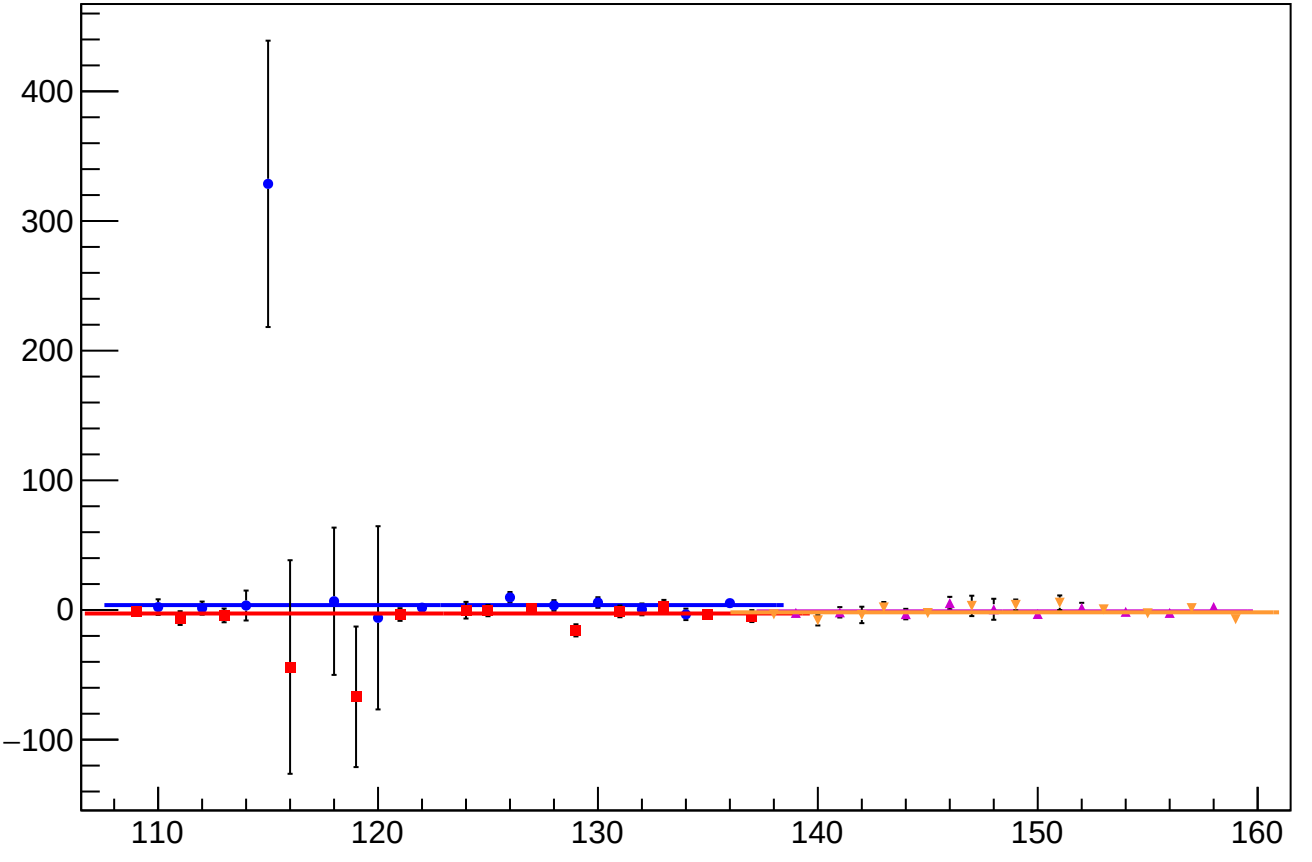
Left In: 1002.864+/-0.241 χ^2/NDF:104225.7/9

+ sign 1101.325+/-0.212 χ^2/NDF: 3146112.8/24

All: 1100.264+/-0.152 χ^2/NDF: 5849997.4/48

- sign 1099.142+/-0.218 χ^2/NDF: 2703833.0/23

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

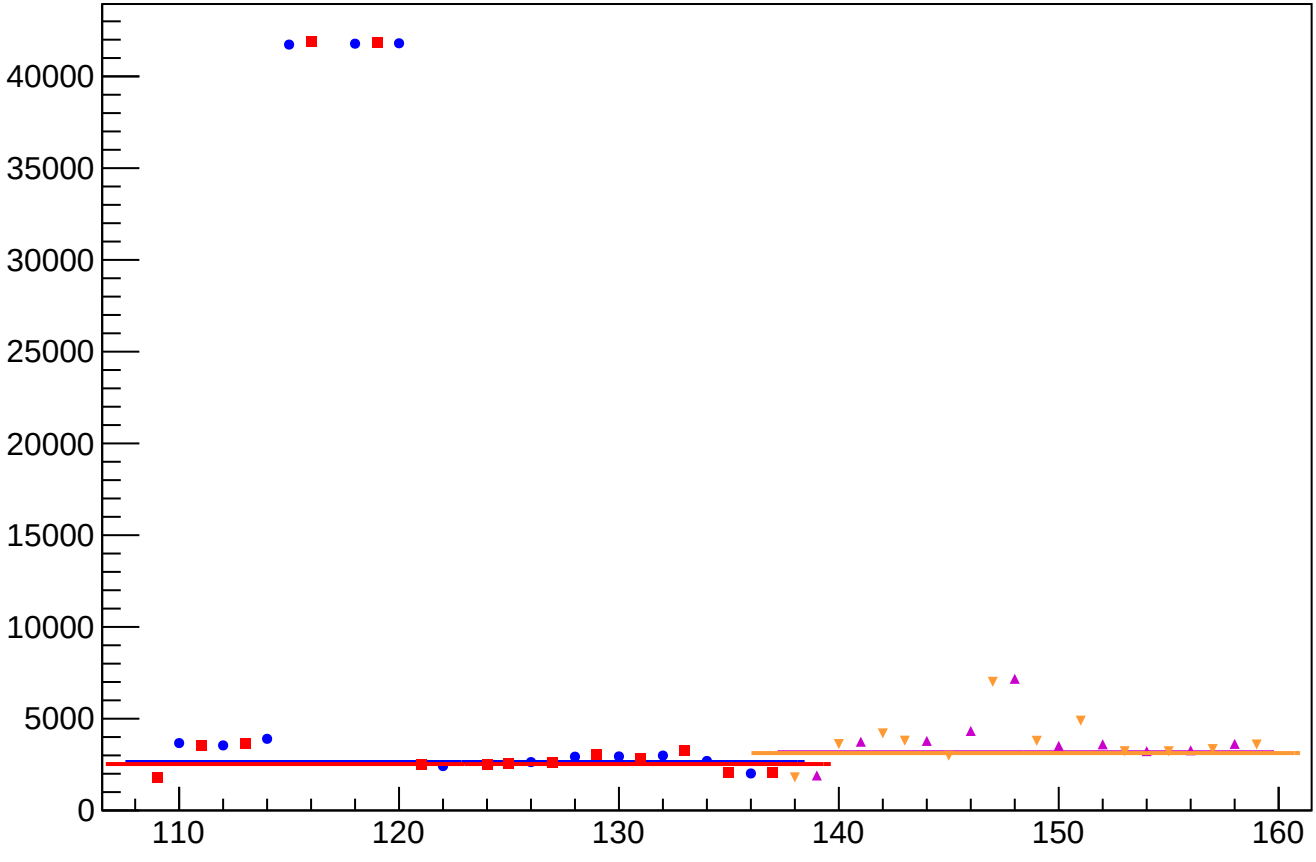
Left In: -1.041+/-1.140 χ^2/NDF:4.1/9

+ sign 0.582+/-0.816 χ^2/NDF: 37.6/24

All: -0.600+/-0.582 χ^2/NDF: 60.5/48

- sign -1.825+/-0.830 χ^2/NDF: 18.7/23

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

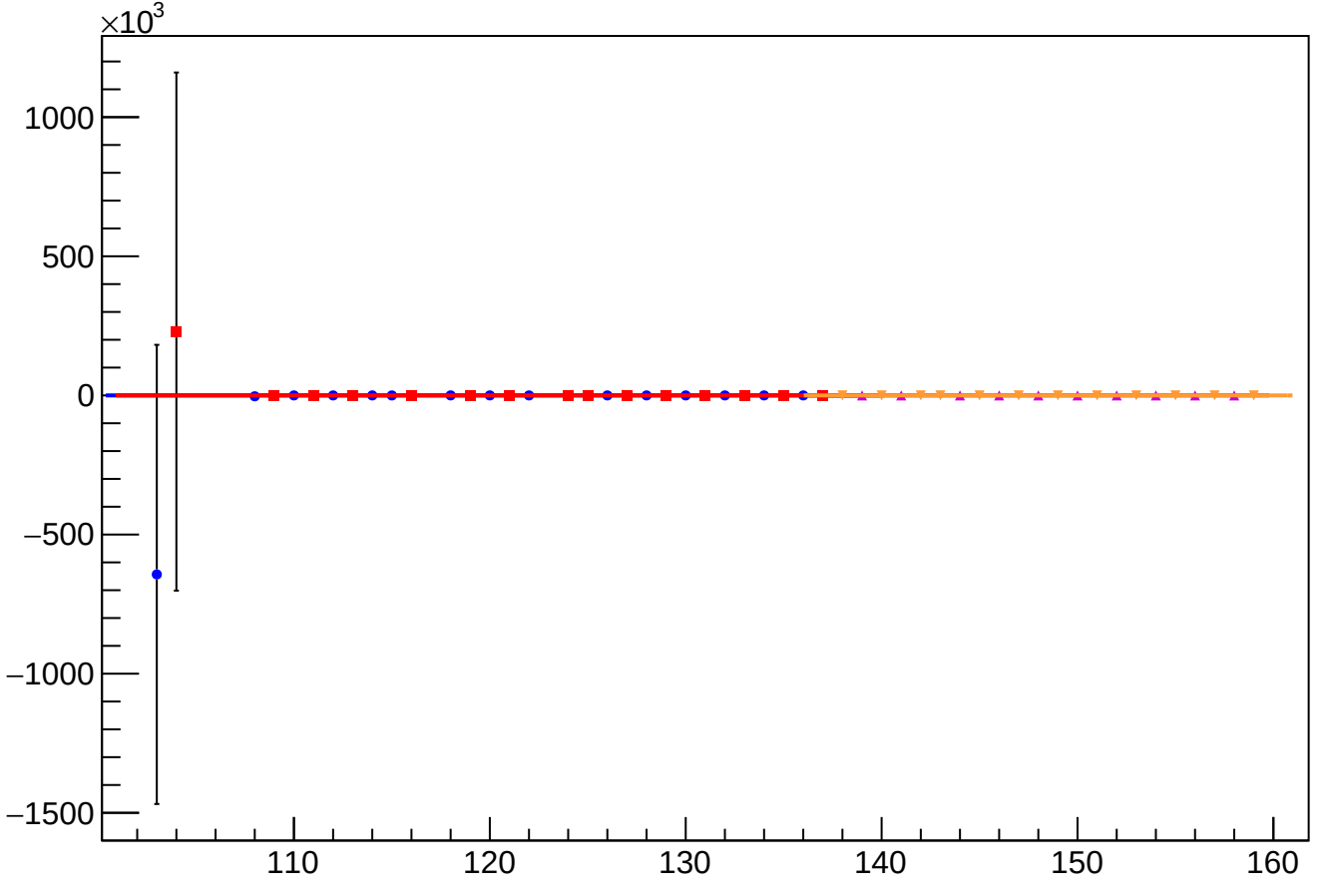
Left In: 3172.058+/-0.806 χ^2/NDF:1482207.0/9

+ sign 2919.084+/-0.577 χ^2/NDF: 4064277.3/24

All: 2894.919+/-0.411 χ^2/NDF: 7798960.9/48

- sign 2869.900+/-0.587 χ^2/NDF: 3731111.8/23

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

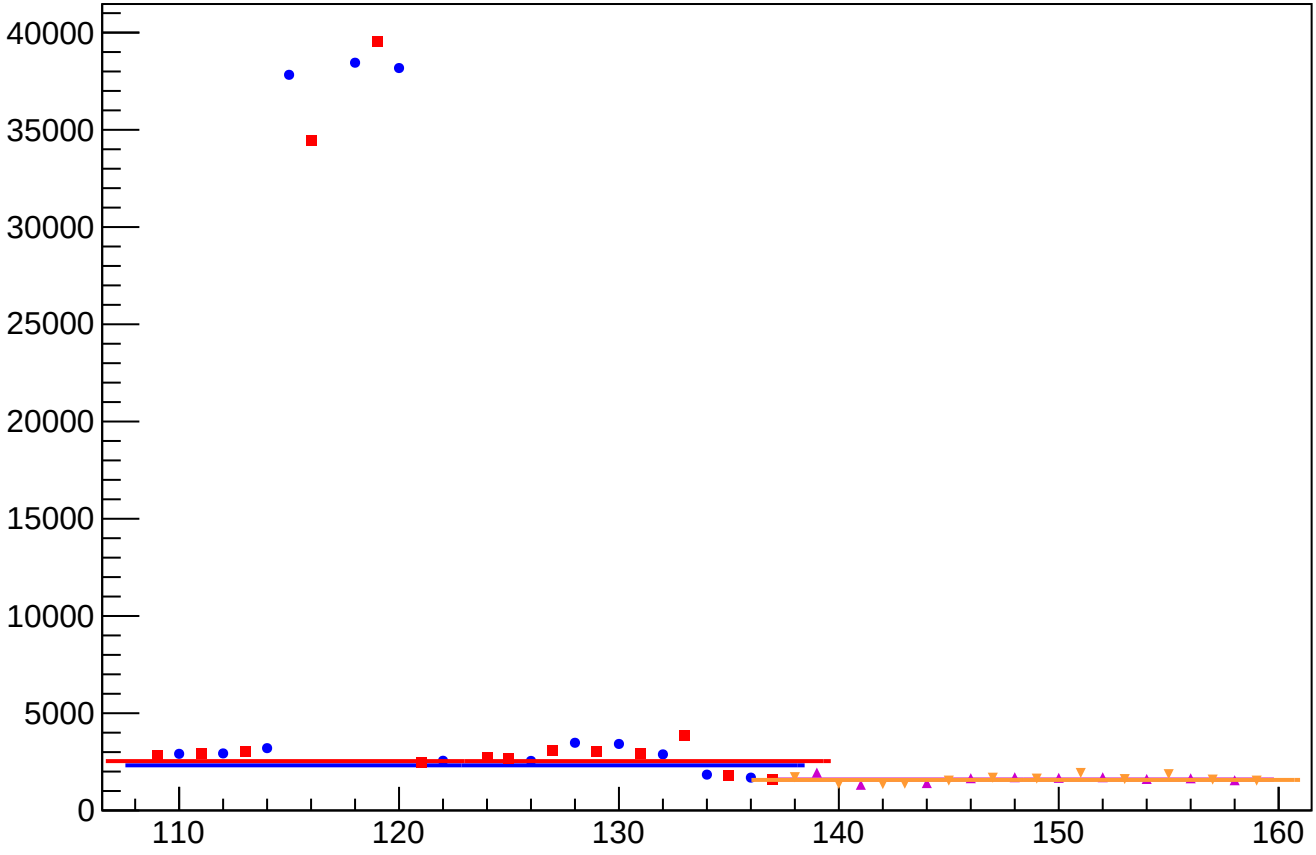
Left In: -0.310+/-0.543 χ^2/NDF:11.4/9

+ sign -1.728+/-0.467 χ^2/NDF: 43.3/26

All: -1.247+/-0.340 χ^2/NDF: 74.6/51

- sign -0.705+/-0.496 χ^2/NDF: 29.0/24

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

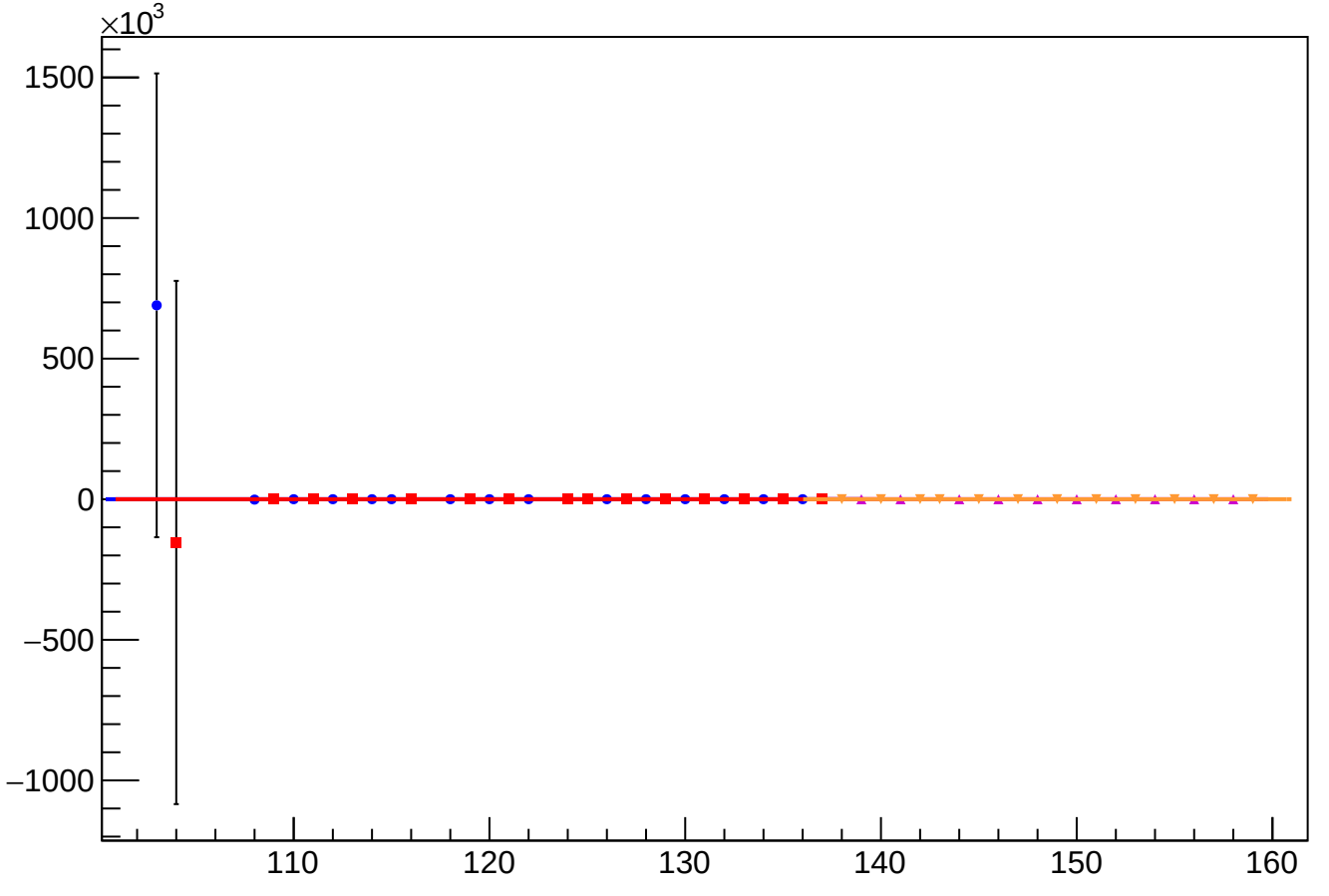
Left In: 1590.515+/-0.384 χ^2/NDF:187351.4/9

+ sign 1699.196+/-0.330 χ^2/NDF: 3415080.5/24

All: 1722.640+/-0.240 χ^2/NDF: 6669597.8/48

- sign 1749.084+/-0.350 χ^2/NDF: 3243773.6/23

diff_bpm1p03aY_mean vs Slug



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

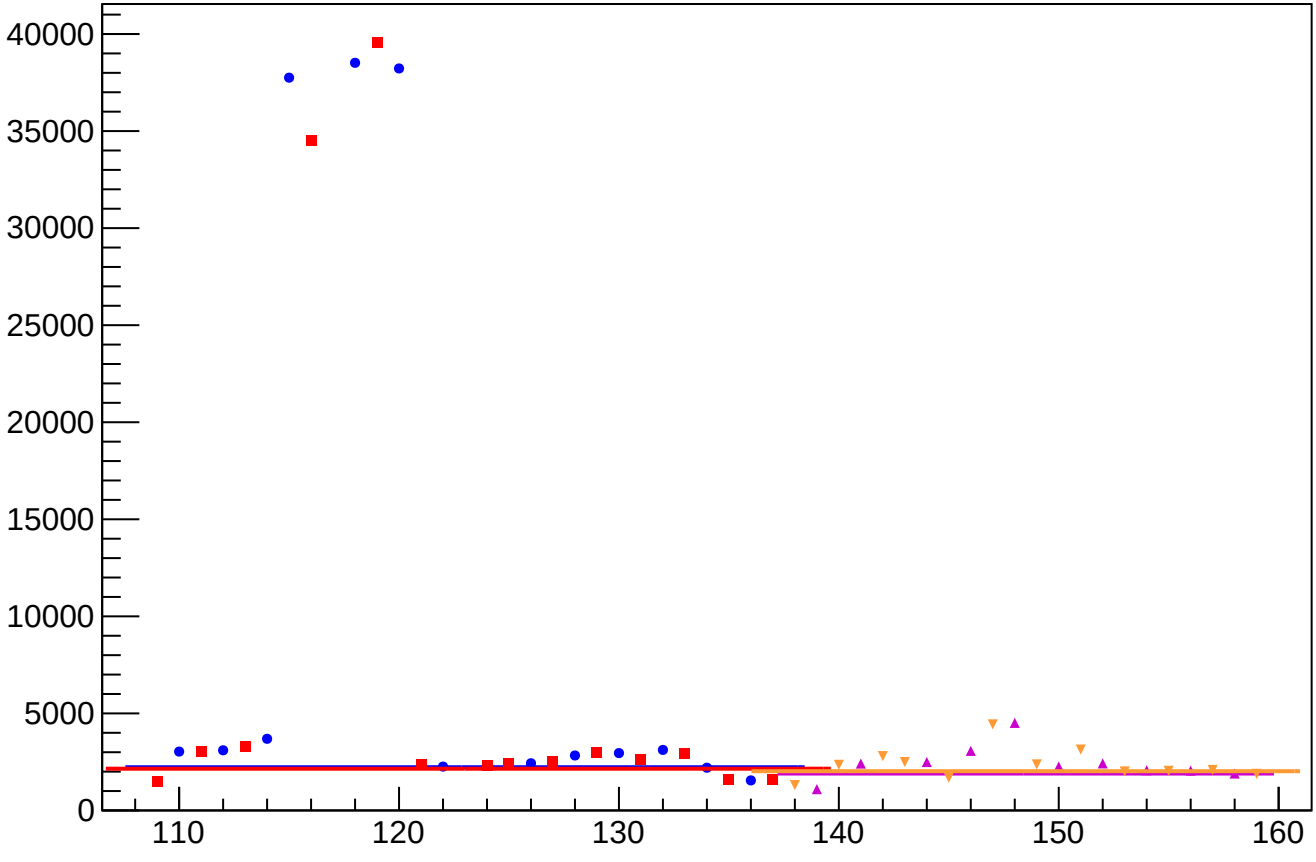
Left In: 0.135+/-0.695 χ^2/NDF:3.9/9

+ sign -0.046+/-0.584 χ^2/NDF: 24.9/26

All: -0.265+/-0.412 χ^2/NDF: 47.0/51

- sign -0.481+/-0.580 χ^2/NDF: 21.8/24

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

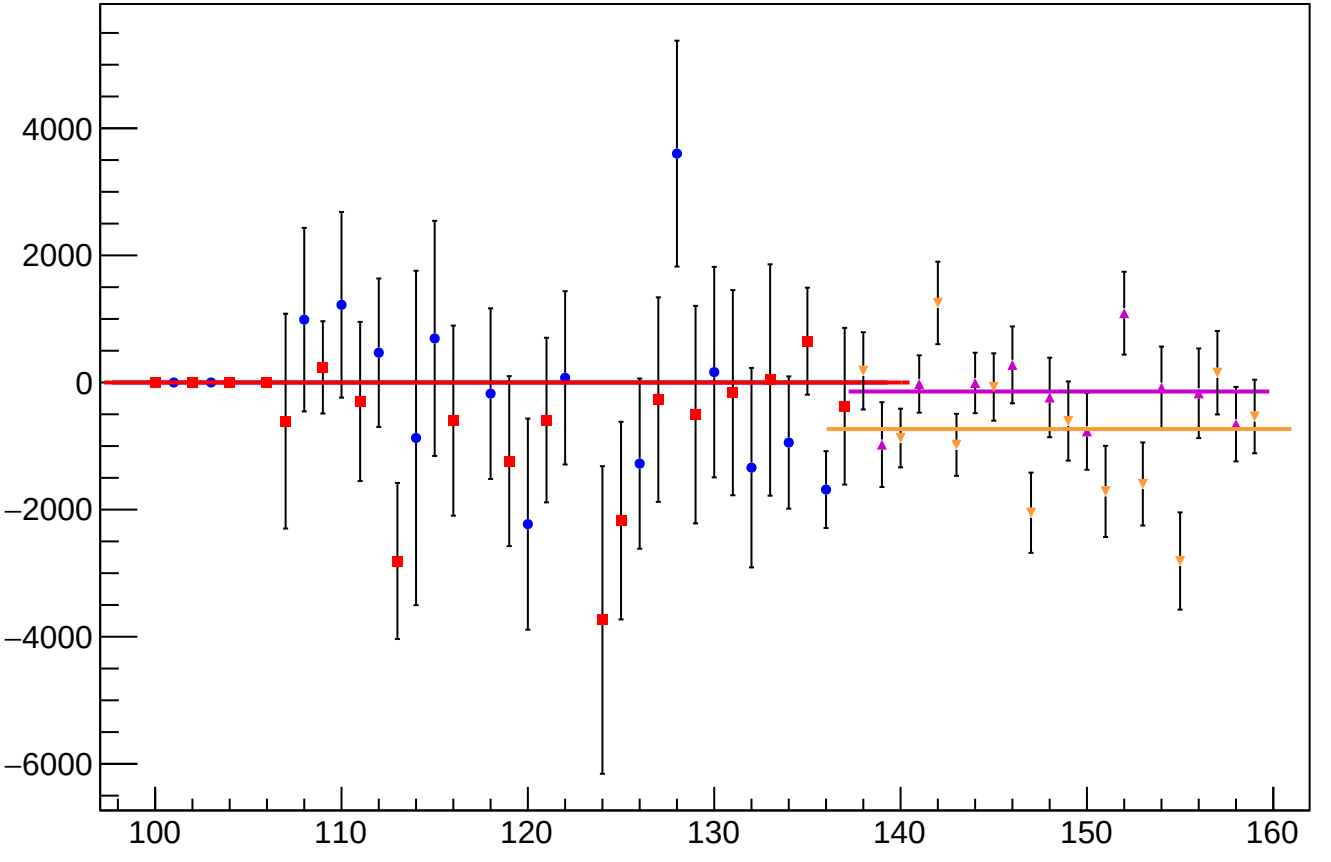
Left In: 1902.123+/-0.491 χ^2/NDF:1992145.7/9

+ sign 2082.038+/-0.413 χ^2/NDF: 3892851.6/24

All: 2029.513+/-0.291 χ^2/NDF: 8226289.8/48

- sign 1977.733+/-0.410 χ^2/NDF: 4301315.2/23

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

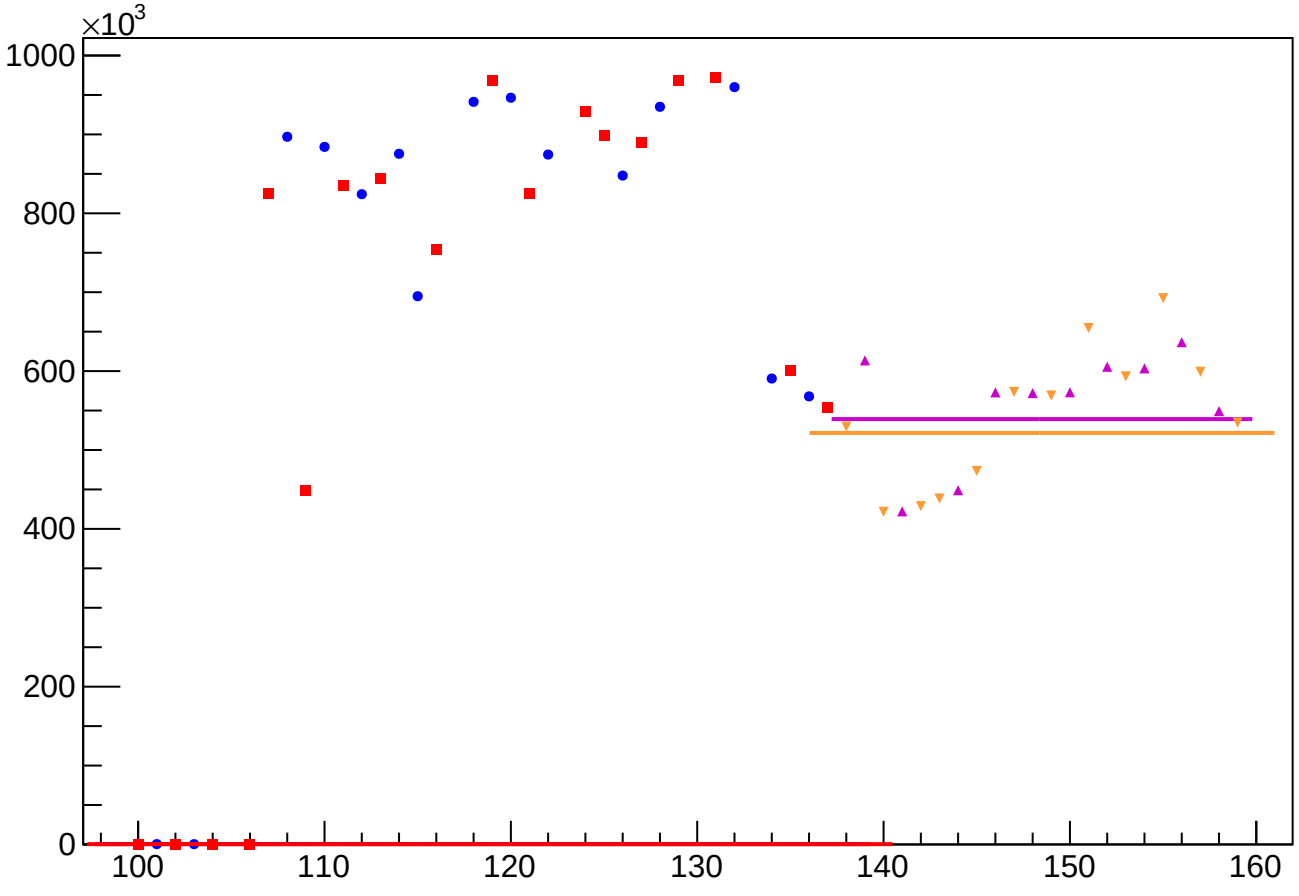
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -141.793+/-184.813 χ^2/NDF:7.6/9

\+ sign 0.252+/-0.356 χ^2/NDF: 66.7/27

All: 0.167+/-0.241 χ^2/NDF: 90.5/56

\- sign 0.095+/-0.328 χ^2/NDF: 23.6/28



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

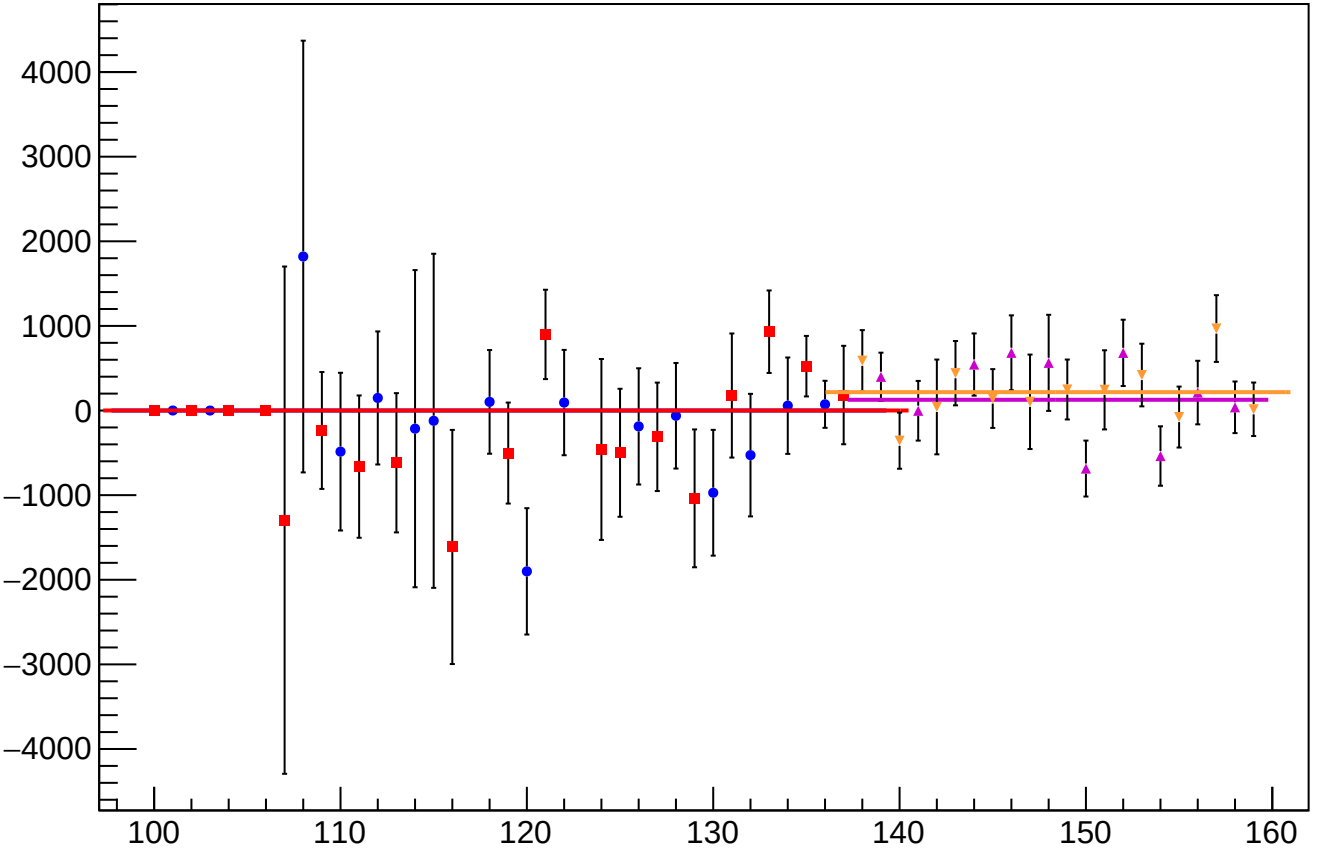
Left In: 539165.901+/-130.683 χ^2/NDF:328569.8/9

+ sign 401.118+/-0.251 χ^2/NDF: 27381673.9/26

All: 397.774+/-0.170 χ^2/NDF: 52356206.1/54

- sign 394.935+/-0.232 χ^2/NDF: 24974205.4/27

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

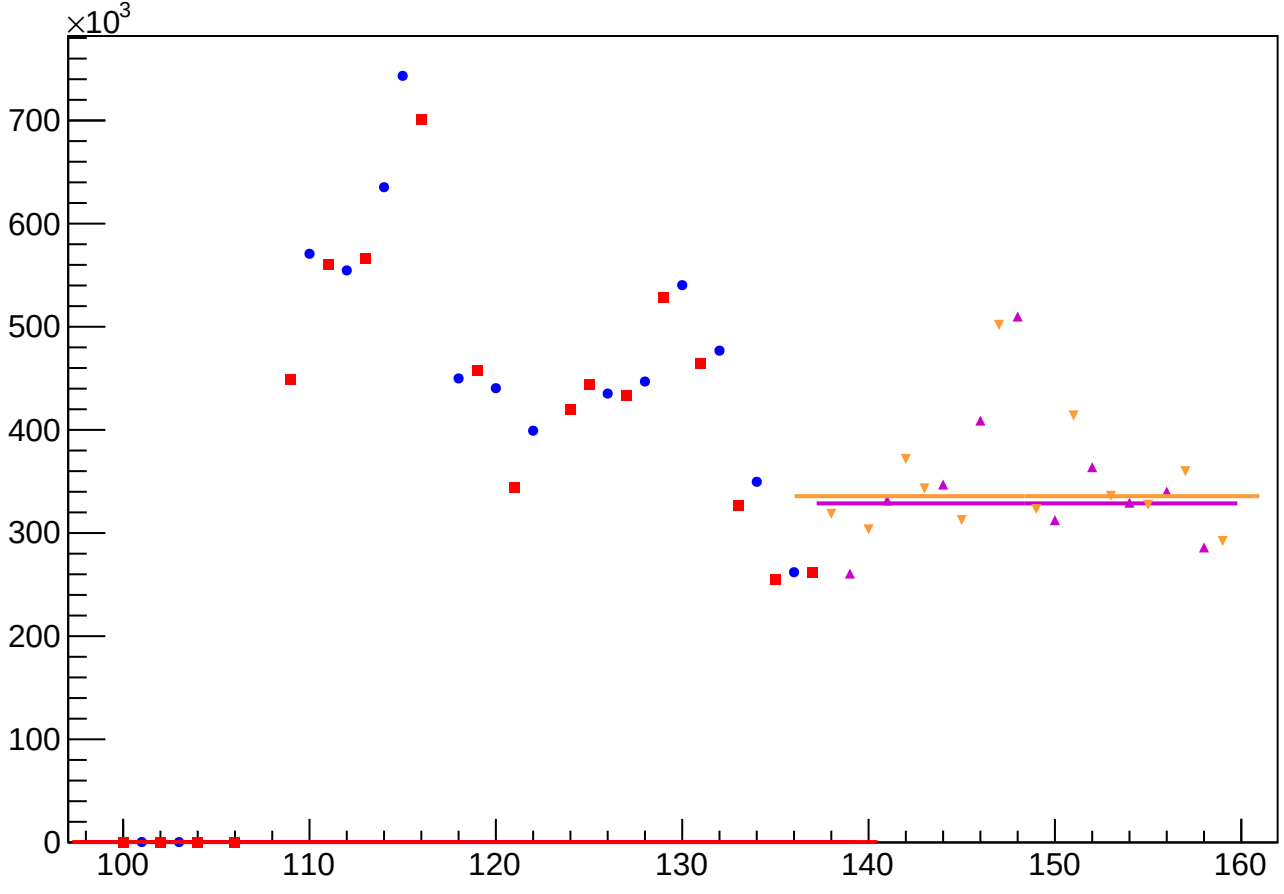
Left In: 126.934+/-113.538 χ^2/NDF:16.3/9

+ sign -0.018+/-0.347 χ^2/NDF: 23.9/27

All: 0.312+/-0.237 χ^2/NDF: 58.1/56

- sign 0.600+/-0.324 χ^2/NDF: 32.5/28

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 335747.603+/-77.944 χ^2/NDF:323297.4/11

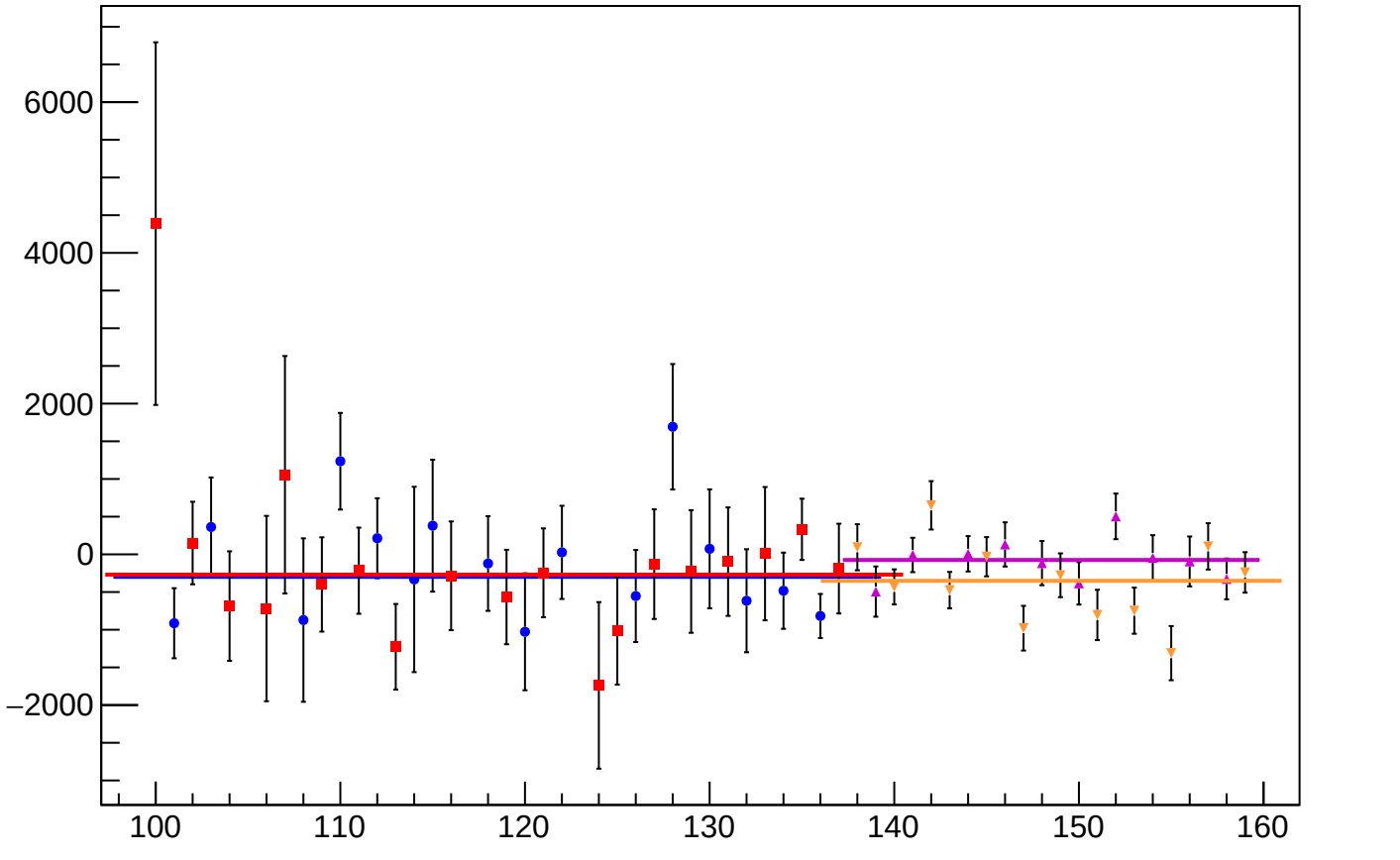
Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 328743.938+/-80.291 χ^2/NDF:450331.1/9

+ sign 393.601+/-0.245 χ^2/NDF: 29967190.9/26

All: 392.025+/-0.167 χ^2/NDF: 58216257.3/54

- sign 390.654+/-0.229 χ^2/NDF: 28248989.4/27



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

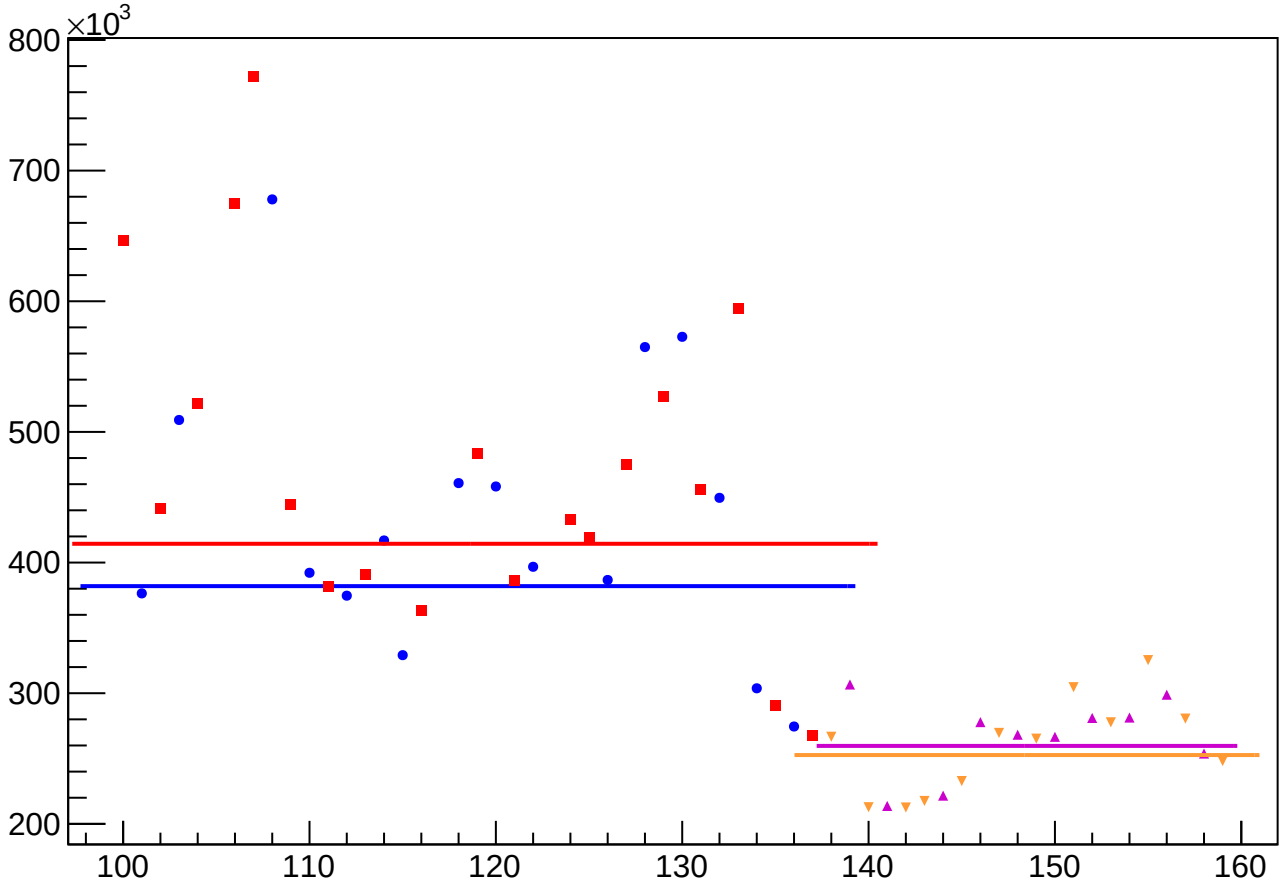
Left In: -74.386+/-88.728 χ^2/NDF:8.1/9

\+ sign -338.570+/-72.193 χ^2/NDF: 52.6/27

All: -237.371+/-52.728 χ^2/NDF: 79.9/56

\- sign -121.661+/-77.196 χ^2/NDF: 23.1/28

diff_cav4cX_rms vs Slug



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

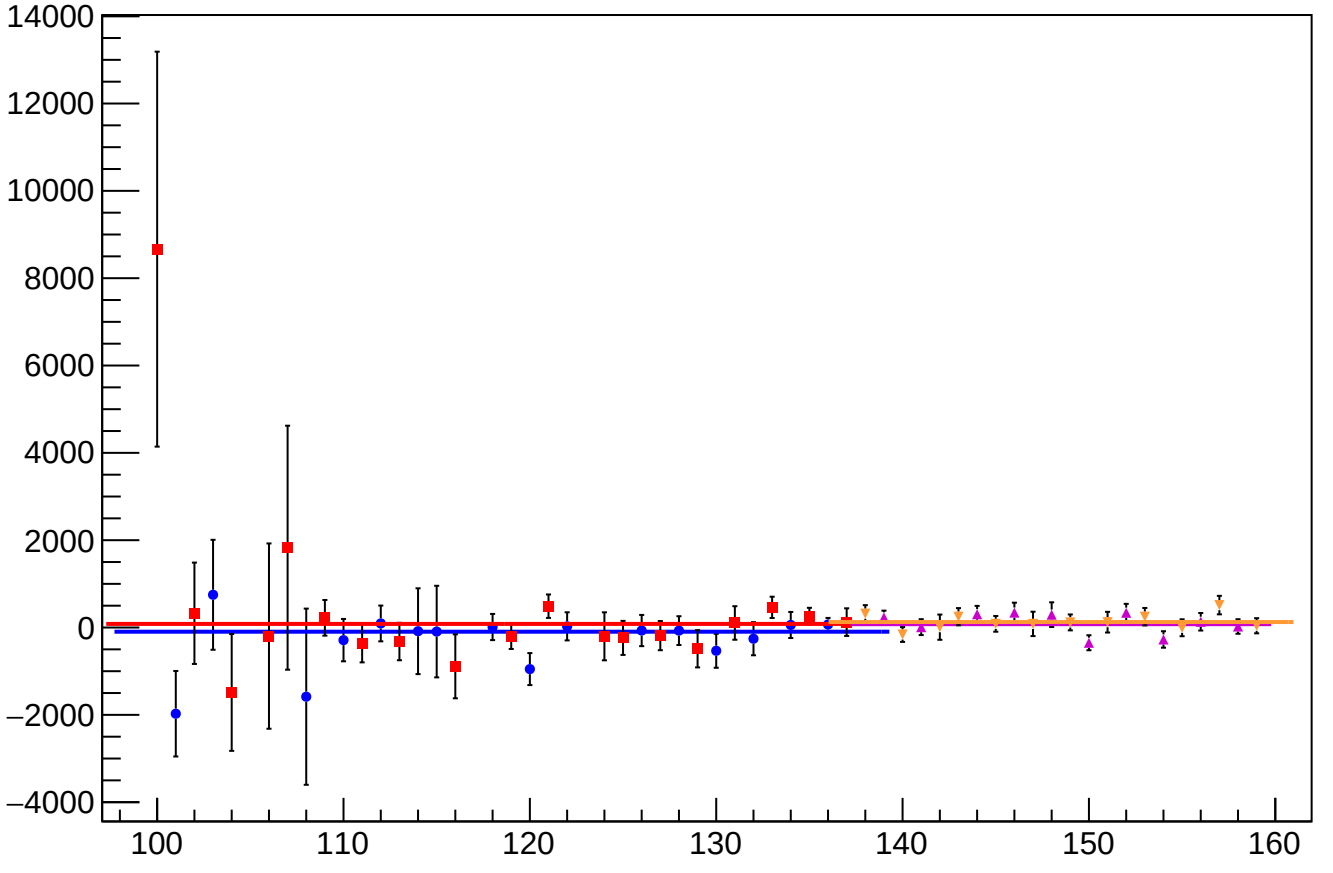
Left In: 259678.221+/-62.740 χ^2/NDF:233490.0/9

+ sign 283689.854+/-51.050 χ^2/NDF: 2325211.2/27

All: 290022.736+/-37.286 χ^2/NDF: 4828918.

- sign 297263.994+/-54.589 χ^2/NDF: 2470721.9/28

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

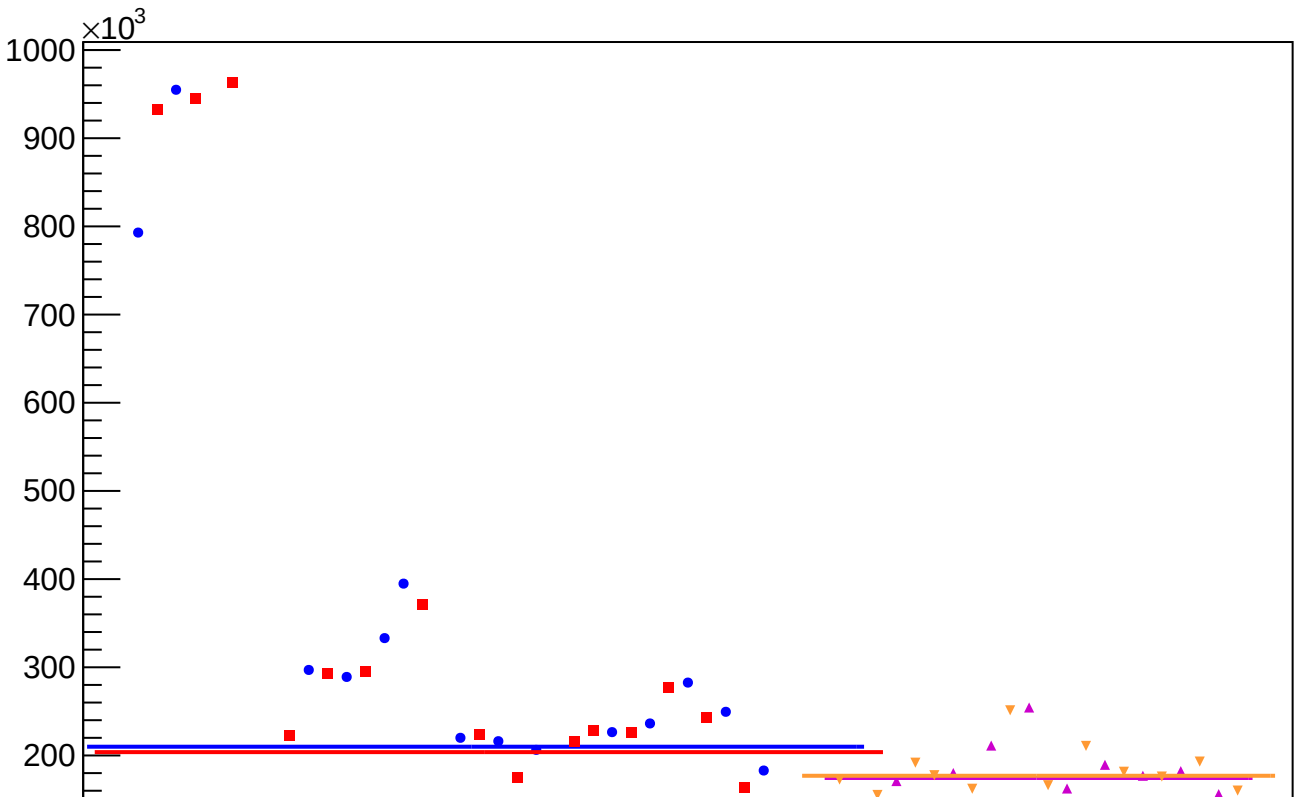
Left In: 76.640+/-60.005 χ^2/NDF:15.9/9

+ sign 58.988+/-48.461 χ^2/NDF: 26.9/27

All: 68.595+/-34.613 χ^2/NDF: 62.0/56

- sign 78.600+/-49.453 χ^2/NDF: 35.0/28

diff_cav4cY_rms vs Slug



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

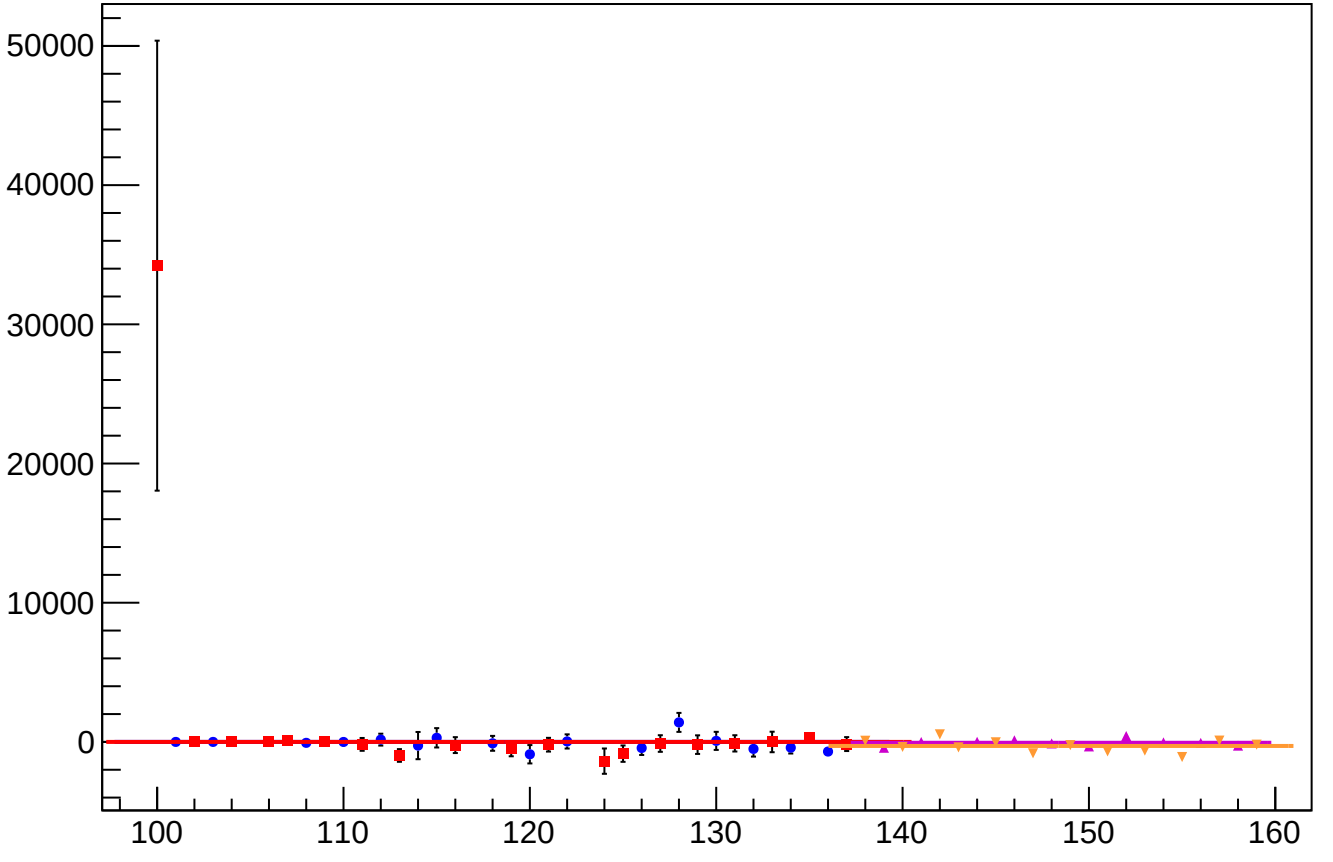
Left In: 174458.157+/-42.430 χ^2/NDF:348208.8/9

+ sign 186884.935+/-34.285 χ^2/NDF: 2427325.7/26

All: 185392.096+/-24.491 χ^2/NDF: 5002701.3

- sign 183836.655+/-34.997 χ^2/NDF: 2571504.2/26

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

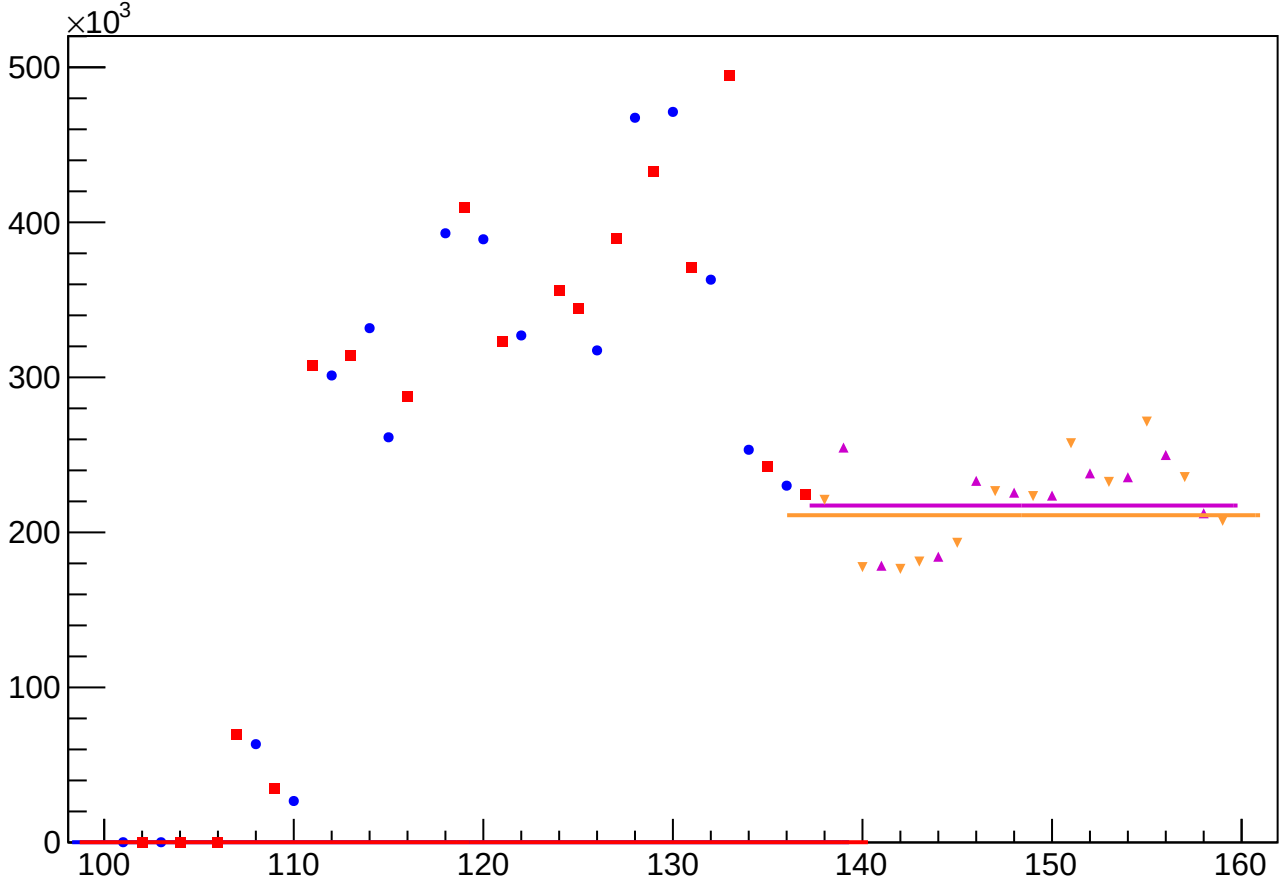
Left In: -62.742+/-74.274 χ^2/NDF:8.0/9

+ sign -0.037+/-0.172 χ^2/NDF: 67.1/27

All: -0.208+/-0.117 χ^2/NDF: 94.1/56

- sign -0.355+/-0.160 χ^2/NDF: 25.2/28

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

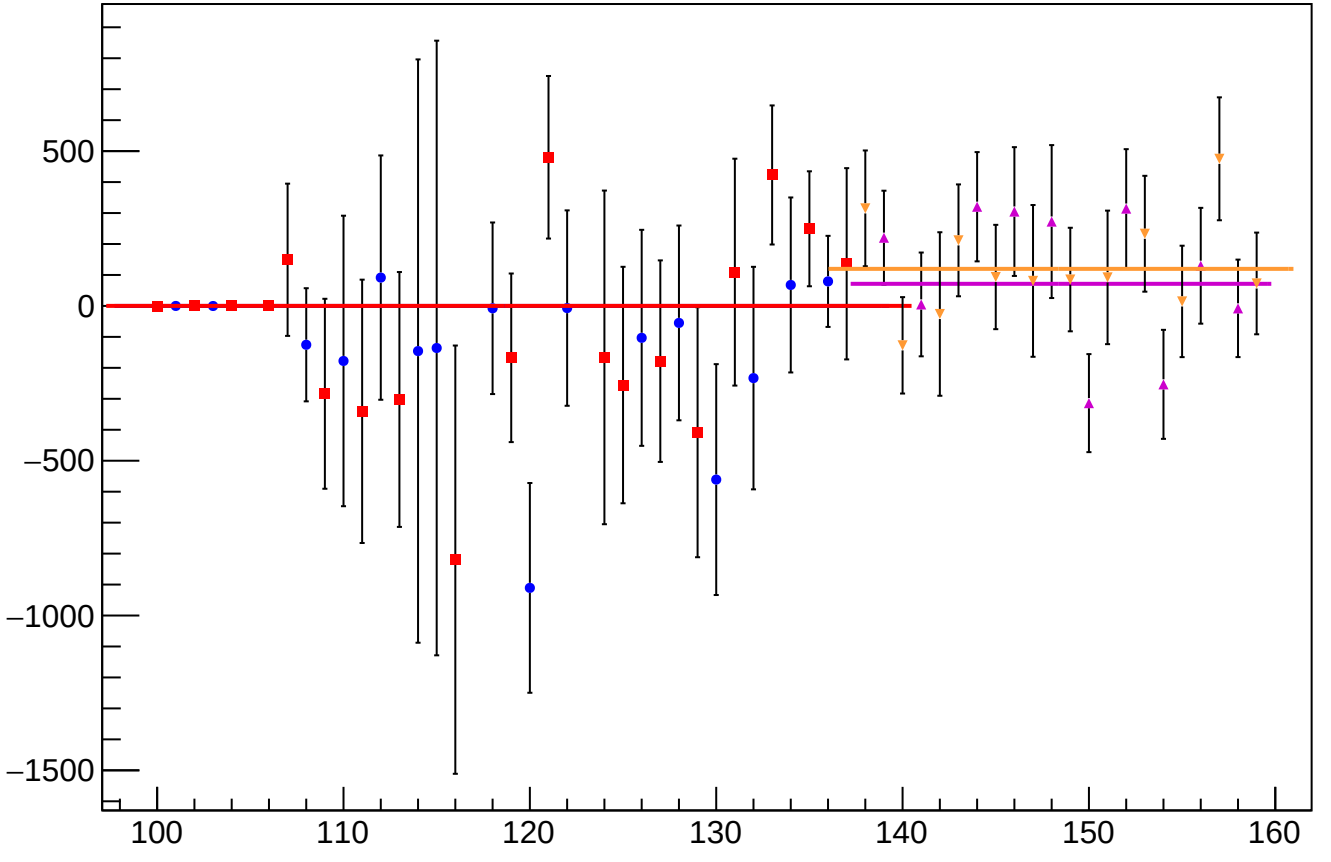
Left In: 217325.570+/-52.520 χ^2/NDF:241133.6/9

+ sign 150.399+/-0.122 χ^2/NDF: 30210802.5/27

All: 150.393+/-0.083 χ^2/NDF: 58839961.0/55

- sign 150.388+/-0.113 χ^2/NDF: 28629158.5/27

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 119.710+/-53.771 χ^2/NDF:8.3/11

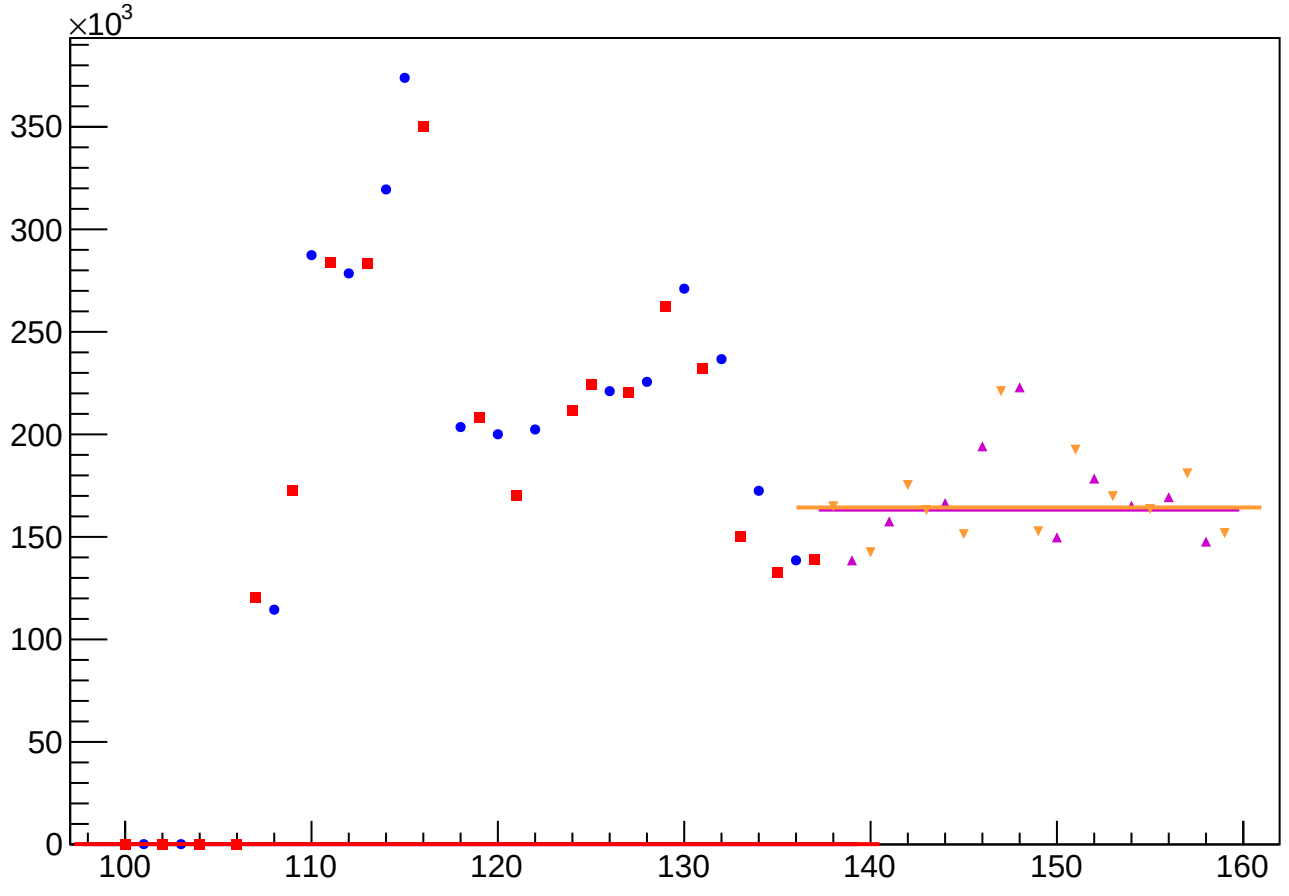
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 71.394+/-56.004 χ^2/NDF:16.3/9

+ sign -0.067+/-0.177 χ^2/NDF: 24.5/27

All: 0.036+/-0.121 χ^2/NDF: 58.3/56

- sign 0.127+/-0.166 χ^2/NDF: 33.2/28



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 164349.129+/-38.022 χ^2/NDF:233342.5/11

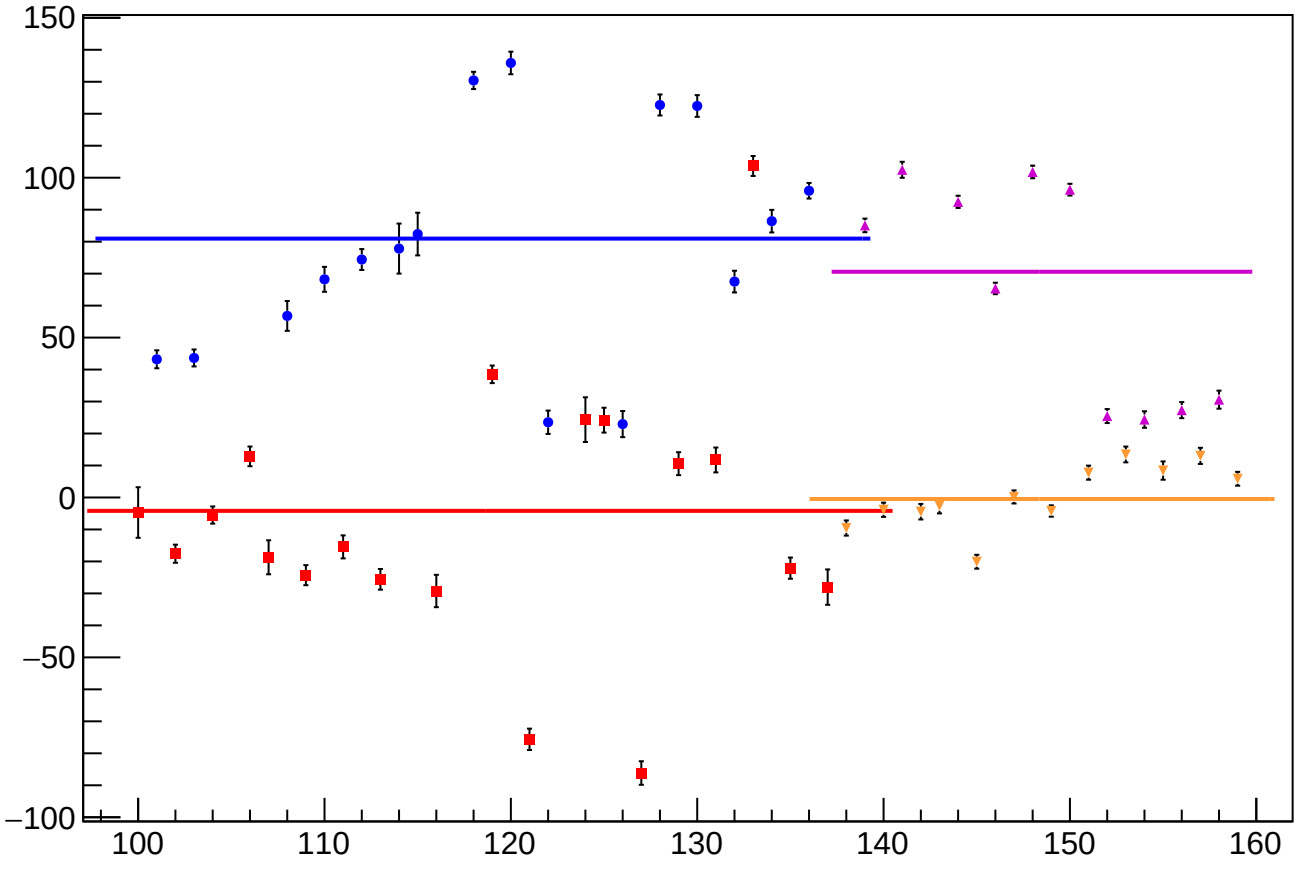
Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 163304.608+/-39.601 χ^2/NDF:265832.1/9

+ sign 155.244+/-0.125 χ^2/NDF: 30786941.2/27

All: 156.495+/-0.086 χ^2/NDF: 59356778.3/56

- sign 157.599+/-0.118 χ^2/NDF: 28569649.5/28



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

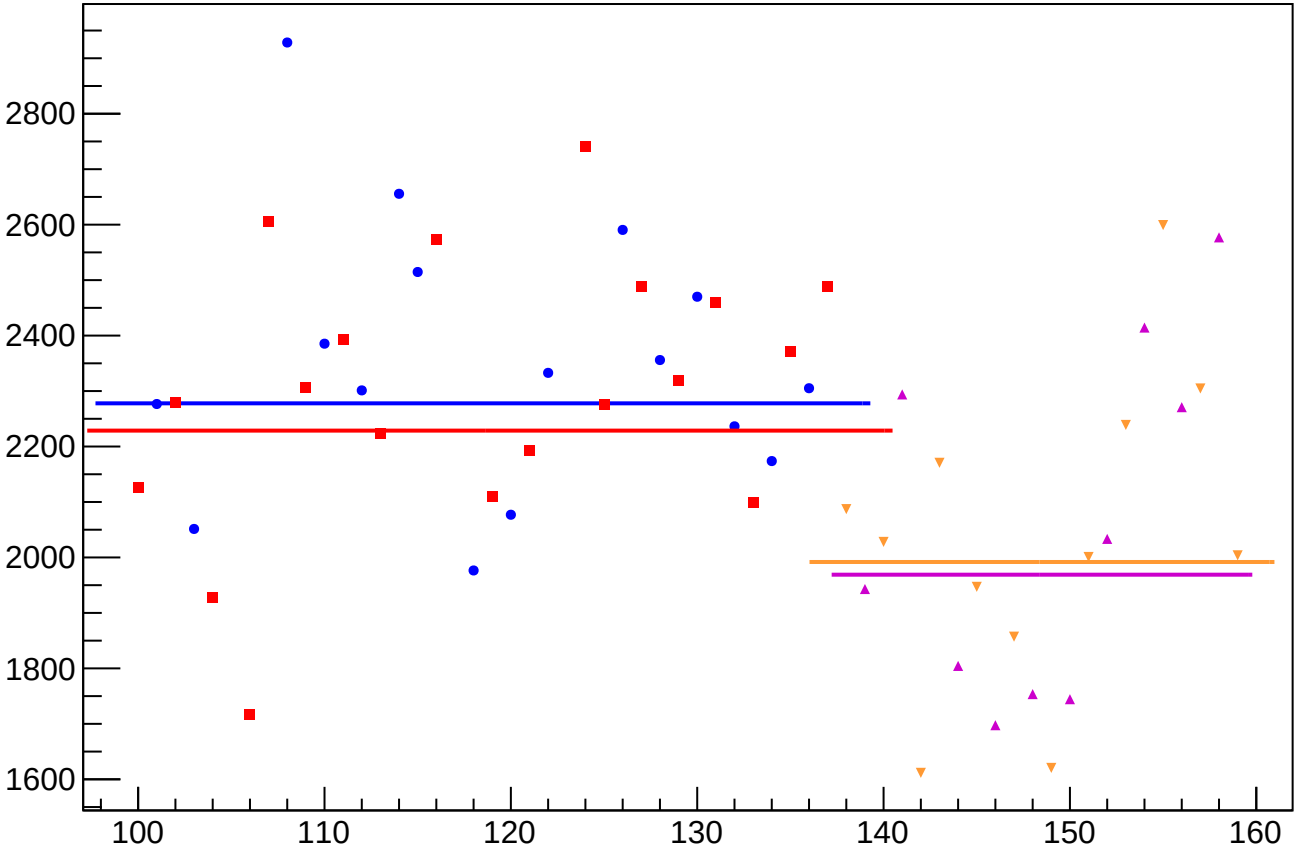
Left In: 70.585+/-0.681 χ^2/NDF:2031.2/9

+ sign 29.640+/-0.518 χ^2/NDF: 7776.4/27

All: 34.796+/-0.368 χ^2/NDF: 17648.0/56

- sign 40.075+/-0.524 χ^2/NDF: 9670.9/28

diff_bpm0i01X_rms vs Slug



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

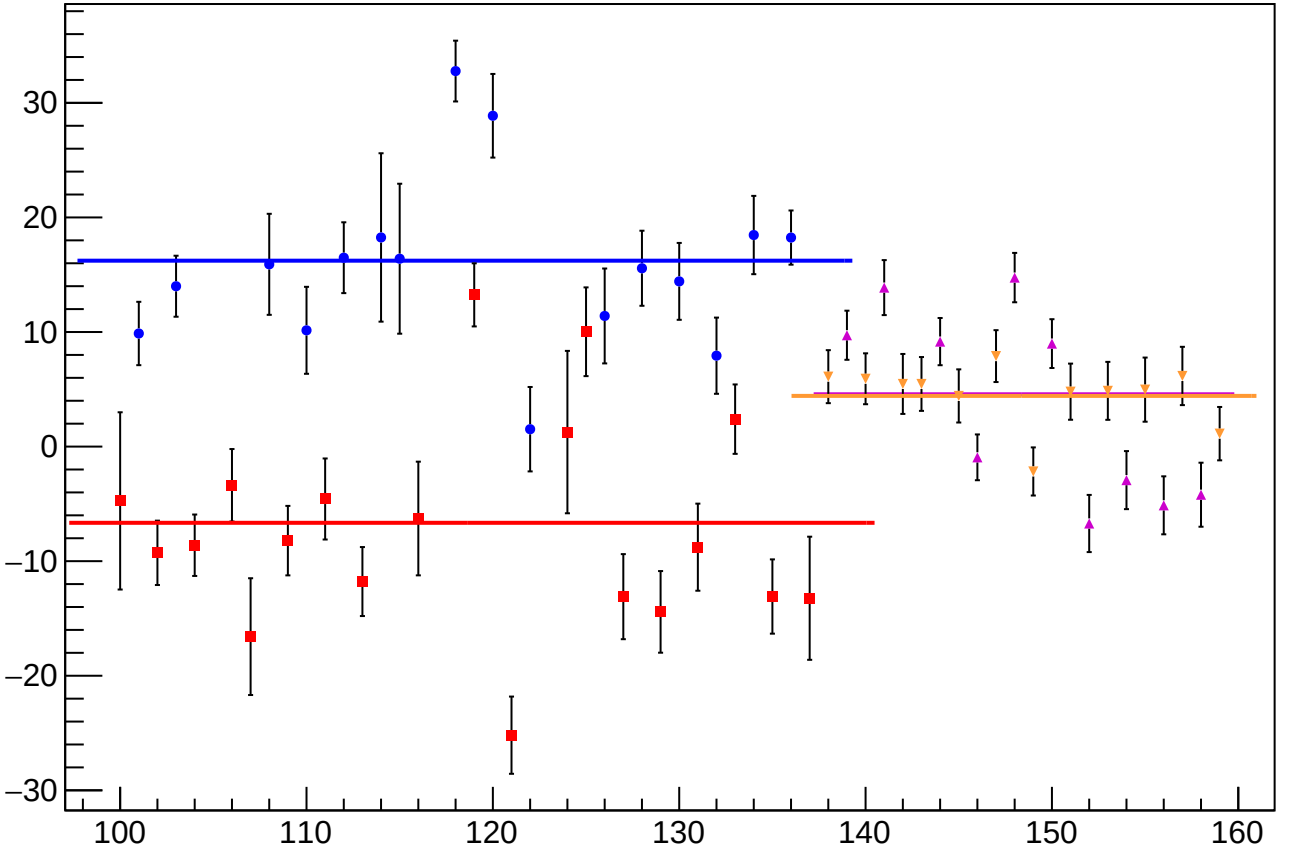
Left In: 1968.921+/-0.481 χ^2/NDF:330988.9/9

+ sign 2097.599+/-0.366 χ^2/NDF: 559394.1/27

All: 2086.395+/-0.260 χ^2/NDF: 1162191.2/56

- sign 2074.925+/-0.370 χ^2/NDF: 600901.9/28

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

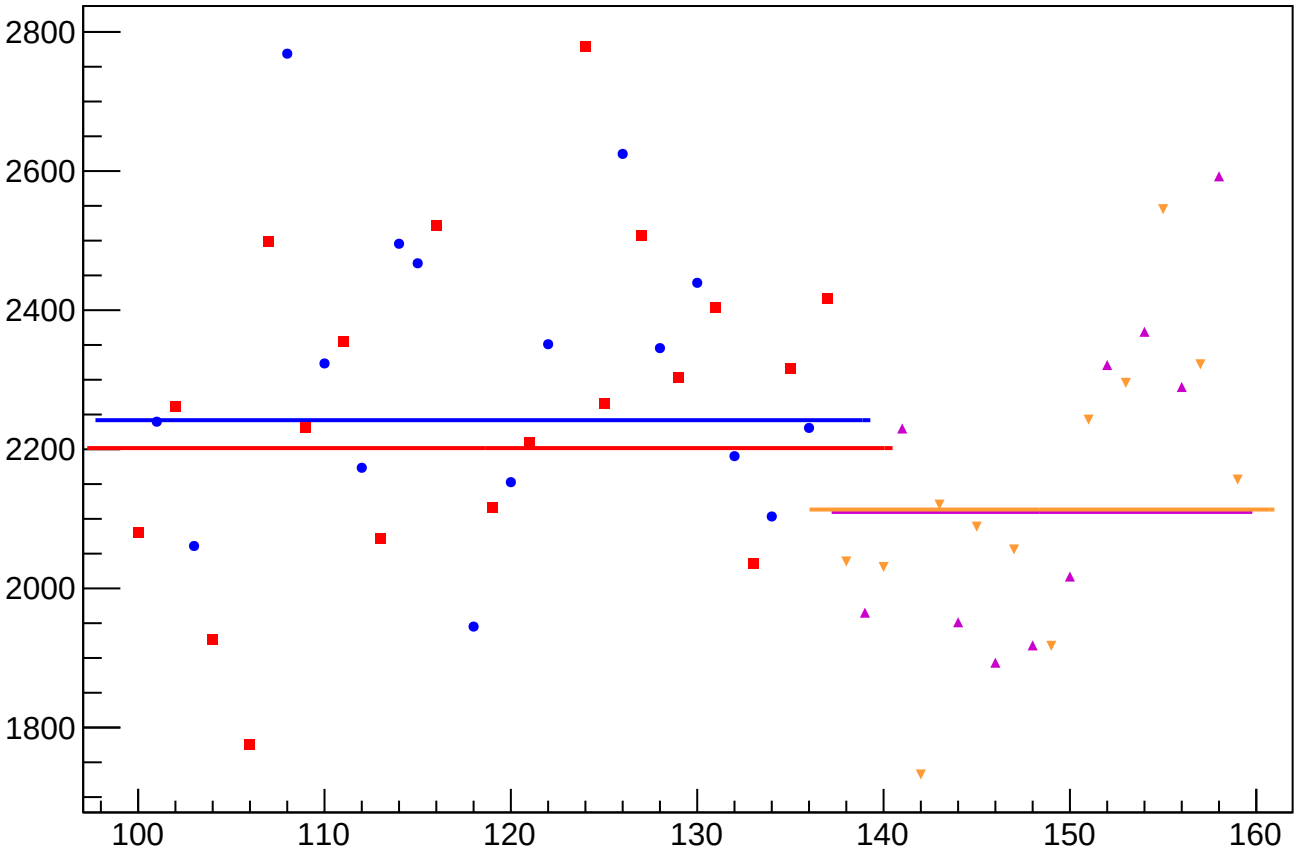
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 4.564+/-0.723 χ^2/NDF:113.7/9

+ sign 9.177+/-0.532 χ^2/NDF: 219.2/27

All: 4.450+/-0.379 χ^2/NDF: 734.8/56

- sign -0.413+/-0.539 χ^2/NDF: 355.1/28



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

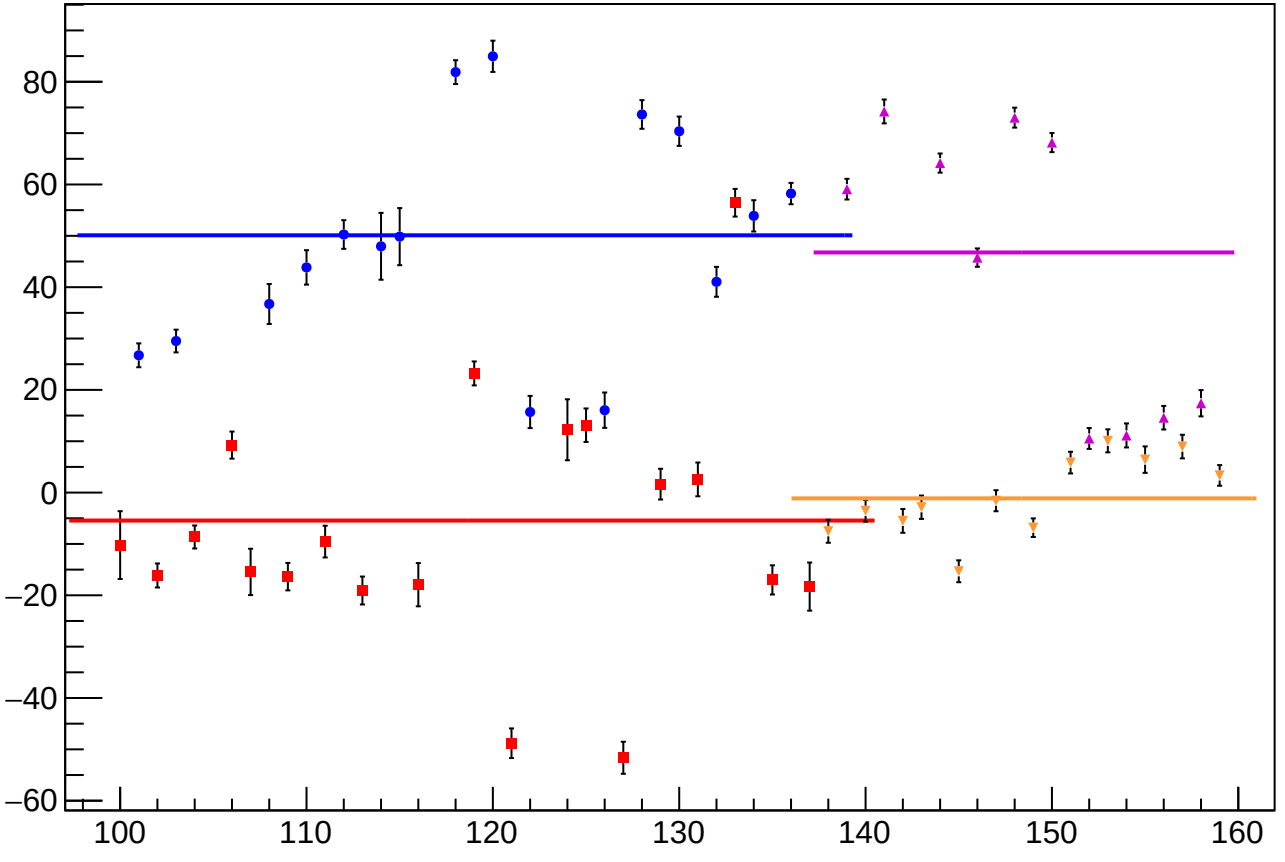
Left In: 2109.980+/-0.511 χ^2/NDF:174092.1/9

+ sign 2165.127+/-0.376 χ^2/NDF: 274223.9/27

All: 2158.015+/-0.268 χ^2/NDF: 593225.8/56

- sign 2150.699+/-0.381 χ^2/NDF: 318275.5/28

diff_bpm0i01aX_mean vs Slug



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

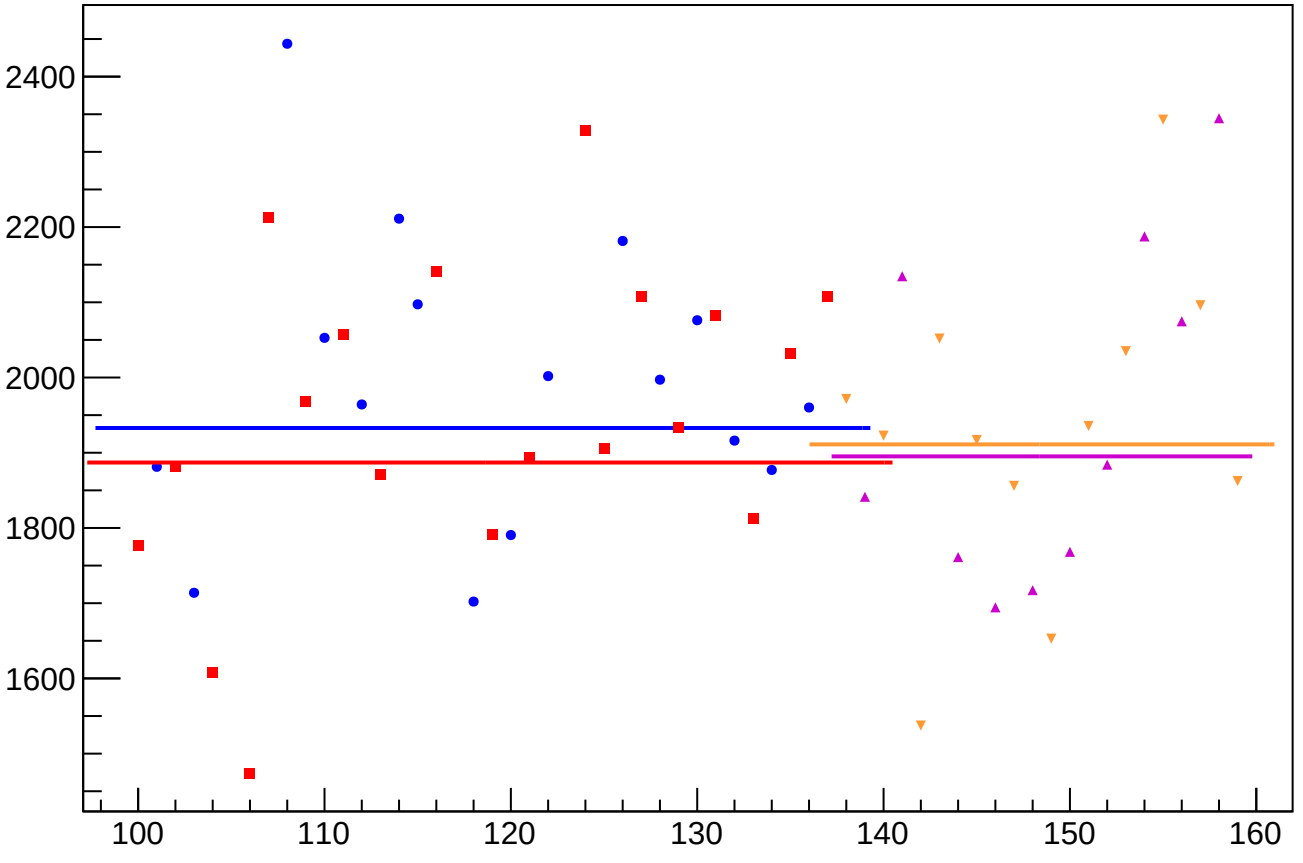
Left In: 46.761+/-0.652 χ^2/NDF:1457.0/9

+ sign 20.738+/-0.472 χ^2/NDF: 3909.8/27

All: 21.507+/-0.335 χ^2/NDF: 9687.3/56

- sign 22.289+/-0.475 χ^2/NDF: 5772.2/28

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

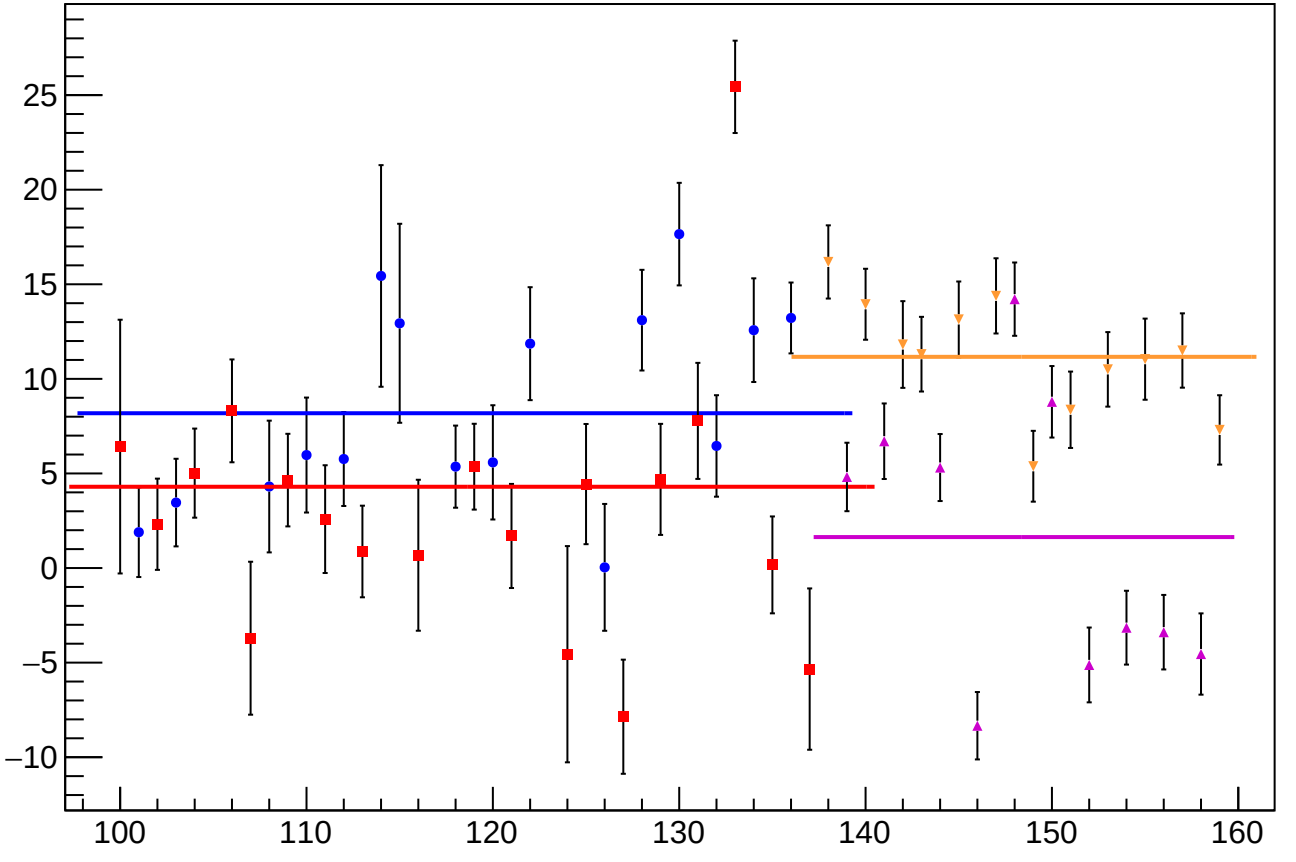
Left In: 1895.172+/-0.461 χ^2/NDF:189433.9/9

+ sign 1920.406+/-0.334 χ^2/NDF: 286799.6/27

All: 1905.985+/-0.237 χ^2/NDF: 629893.5/56

- sign 1891.344+/-0.336 χ^2/NDF: 339327.5/28

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

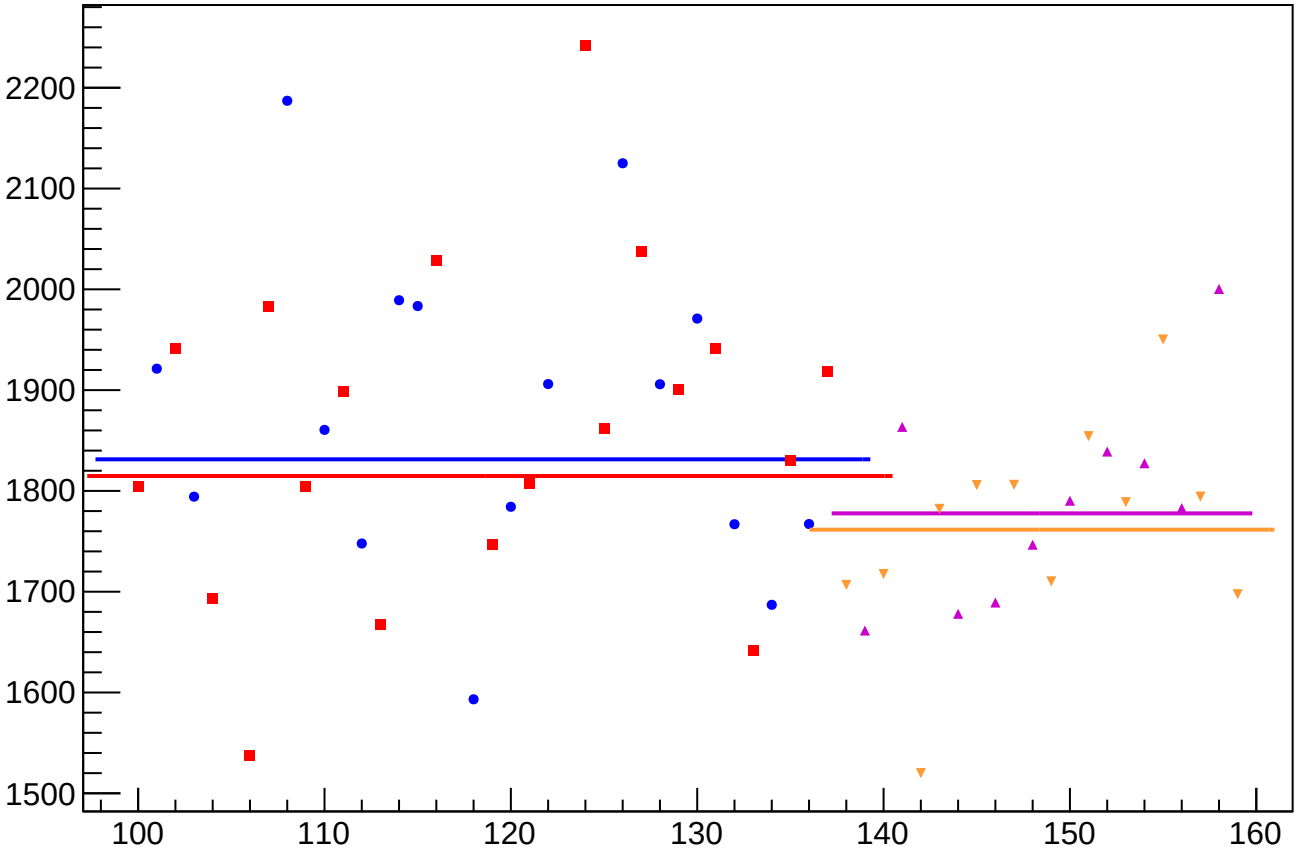
Left In: 1.637+/-0.605 χ^2/NDF:134.1/9

+ sign 9.938+/-0.438 χ^2/NDF: 91.8/27

All: 6.465+/-0.313 χ^2/NDF: 476.9/56

- sign 2.841+/-0.448 χ^2/NDF: 256.8/28

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

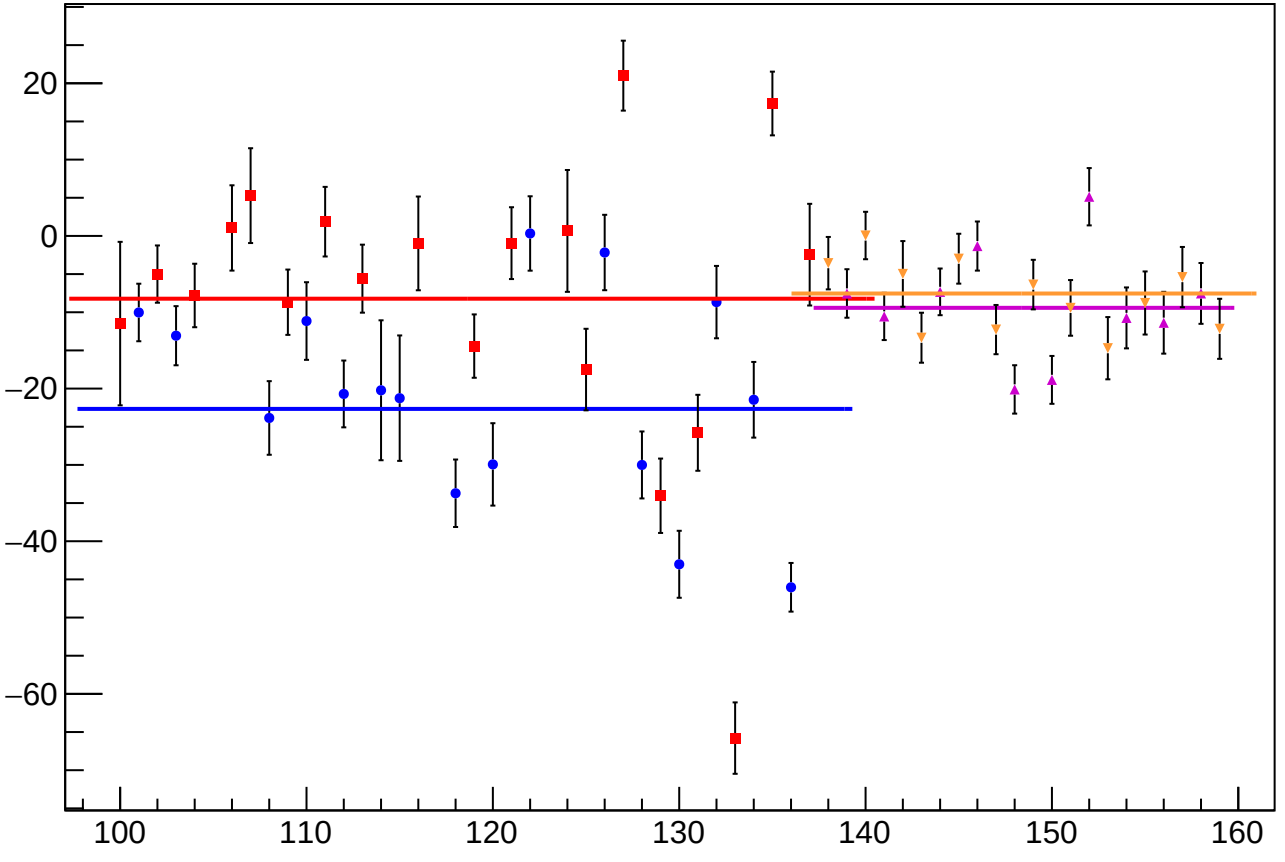
Left In: 1777.730+/-0.428 χ^2/NDF:48519.8/9

+ sign 1790.270+/-0.310 χ^2/NDF: 150910.9/27

All: 1792.342+/-0.222 χ^2/NDF: 293652.0/56

- sign 1794.503+/-0.317 χ^2/NDF: 142649.8/28

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

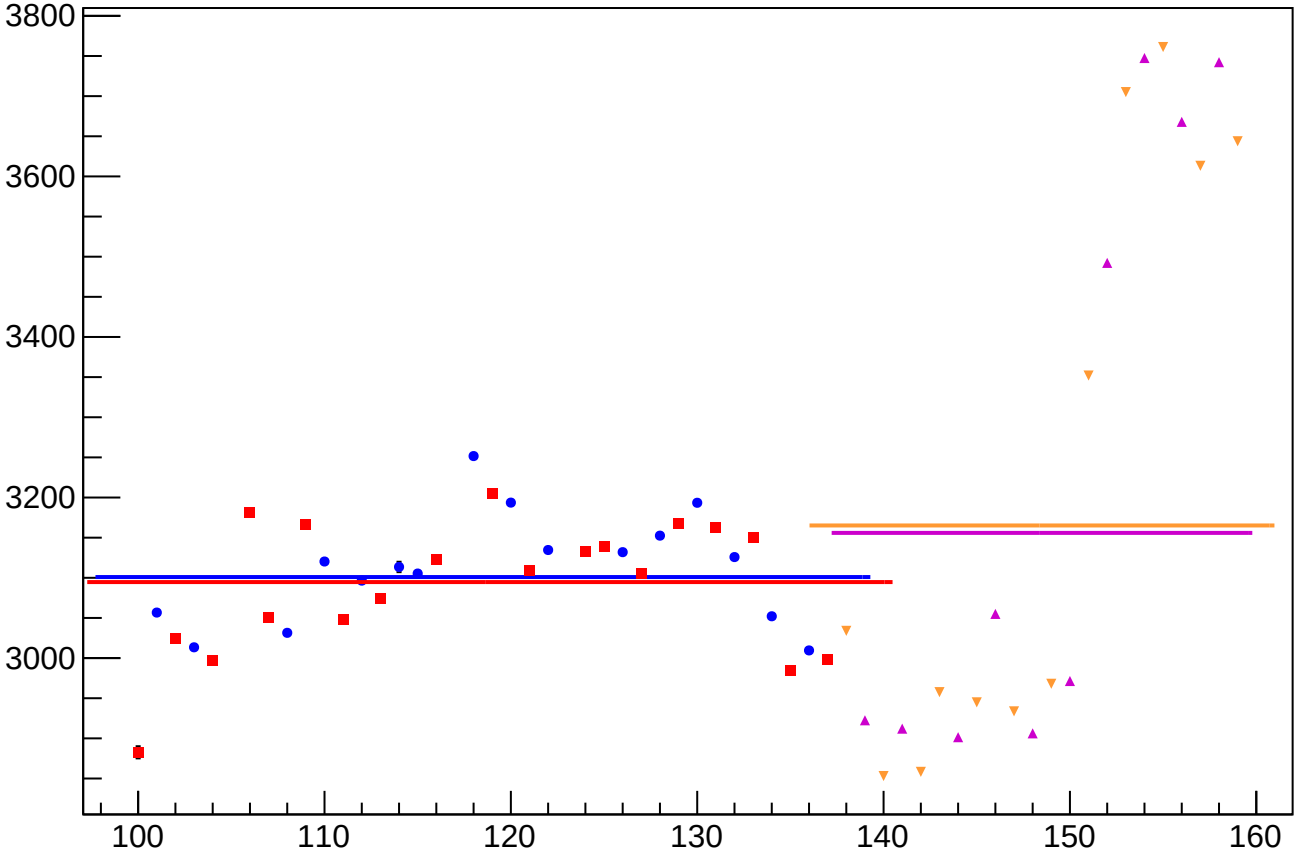
Left In: -9.421+/-1.075 χ^2/NDF:43.3/9

+ sign -14.261+/-0.768 χ^2/NDF: 273.1/27

All: -11.593+/-0.547 χ^2/NDF: 636.3/56

- sign -8.852+/-0.778 χ^2/NDF: 338.7/28

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

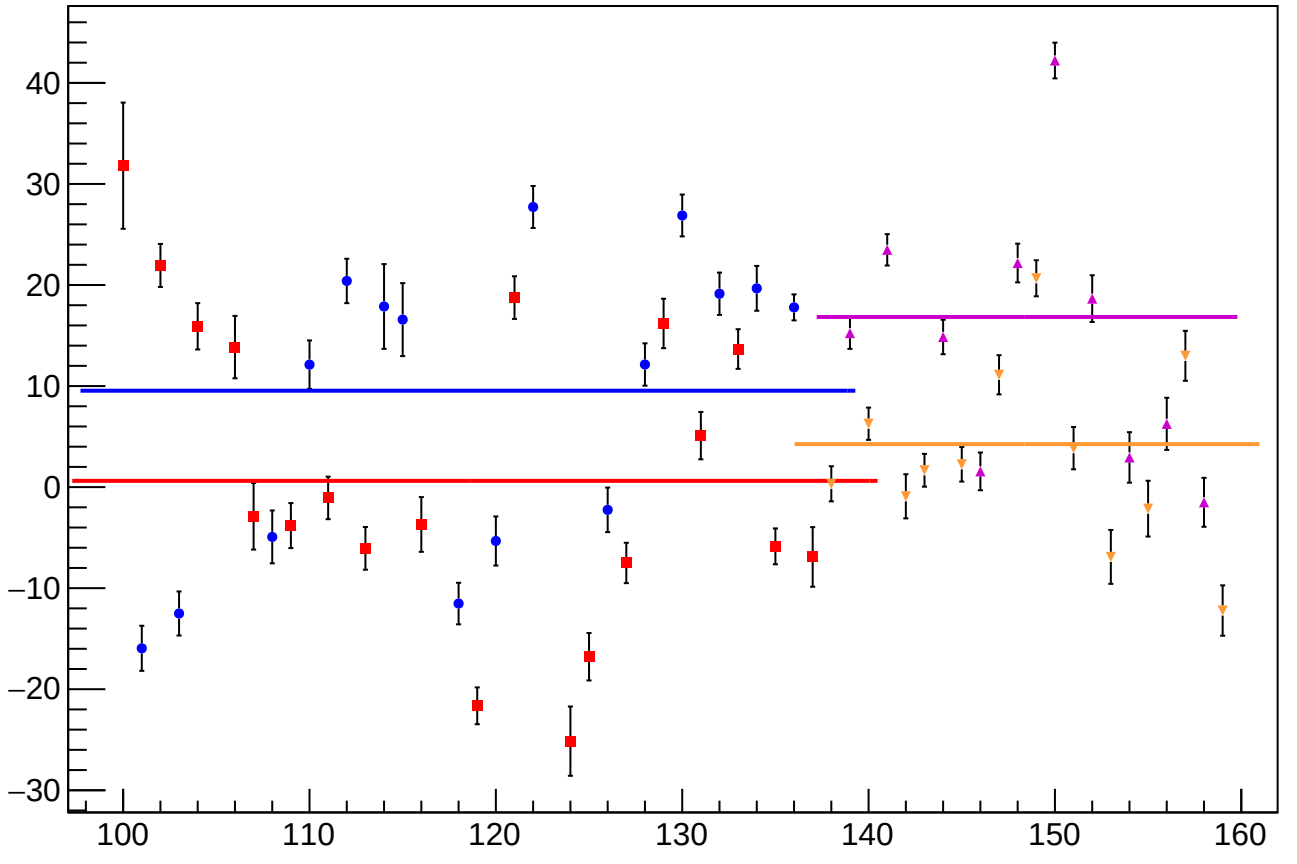
Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3155.952+/-0.760 χ^2/NDF:193609.1/9

+ sign 3136.654+/-0.543 χ^2/NDF: 216616.6/27

All: 3131.806+/-0.387 χ^2/NDF: 422061.9/56

- sign 3126.823+/-0.550 χ^2/NDF: 205283.6/28



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

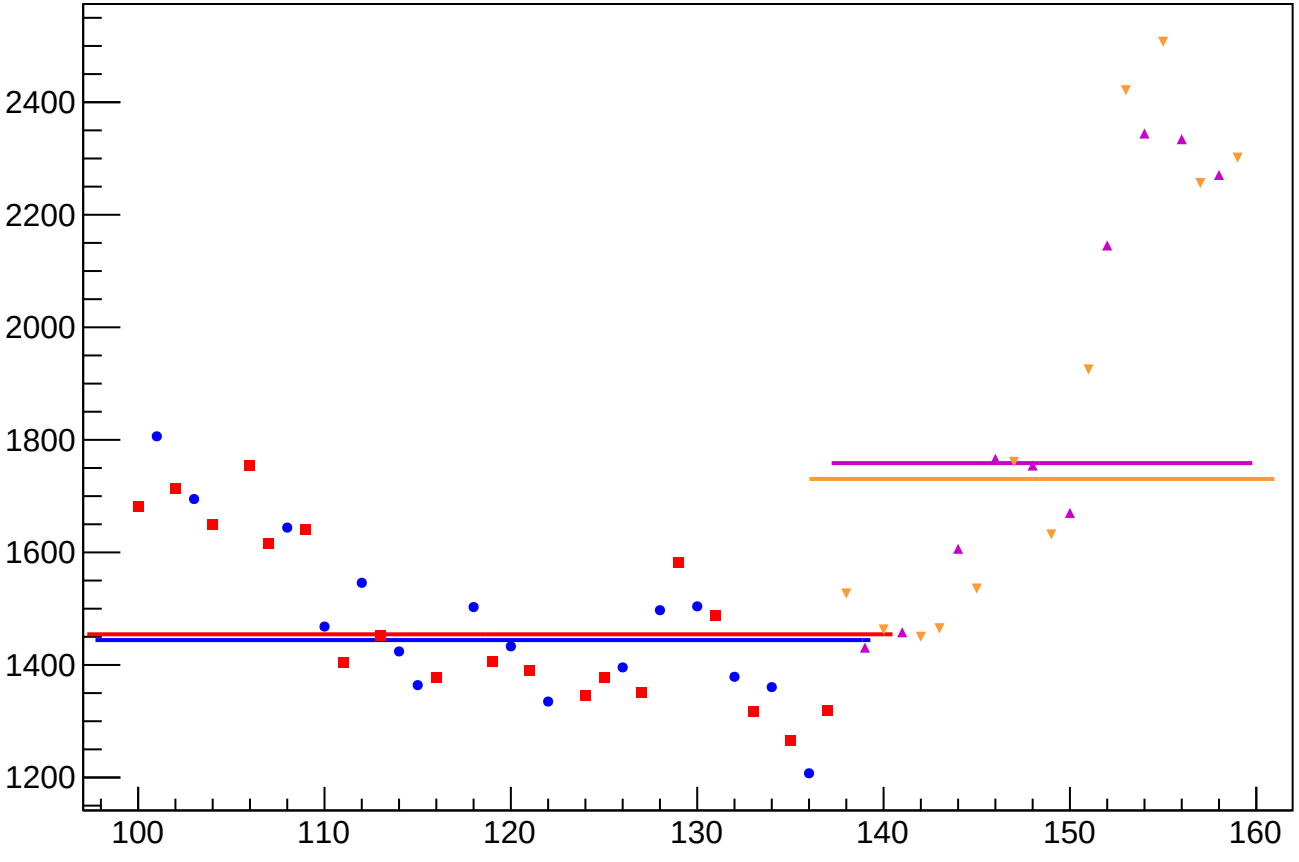
Left In: 16.837+/-0.606 χ^2/NDF:407.5/9

+ sign 7.041+/-0.393 χ^2/NDF: 936.1/27

All: 7.367+/-0.281 χ^2/NDF: 2413.7/56

- sign 7.706+/-0.401 χ^2/NDF: 1476.2/28

diff_bpm0l01Y_rms vs Slug



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

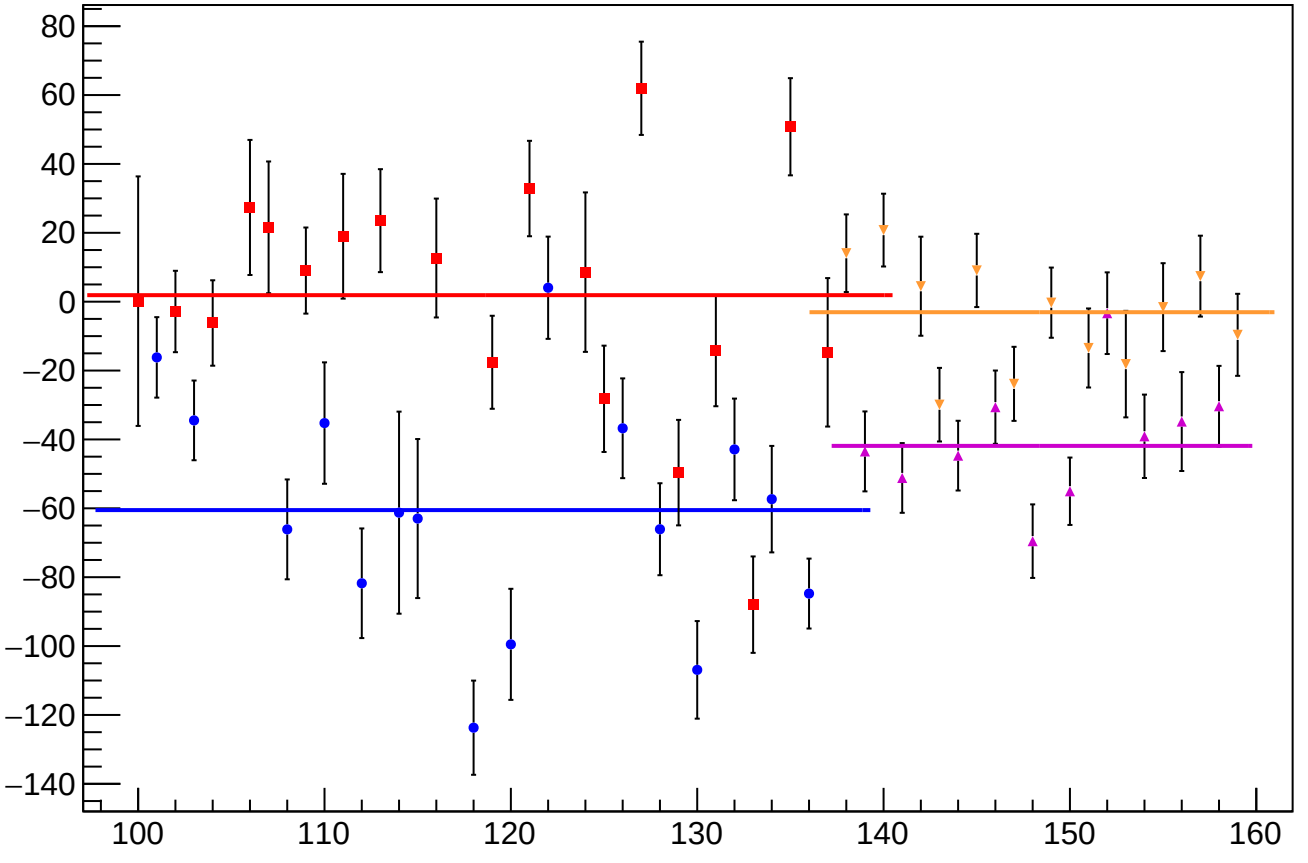
Left In: 1758.720+/-0.429 χ^2/NDF:539789.1/9

+ sign 1579.528+/-0.278 χ^2/NDF: 1152522.5/27

All: 1583.394+/-0.198 χ^2/NDF: 2119050.5/56

- sign 1587.412+/-0.283 χ^2/NDF: 966133.6/28

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

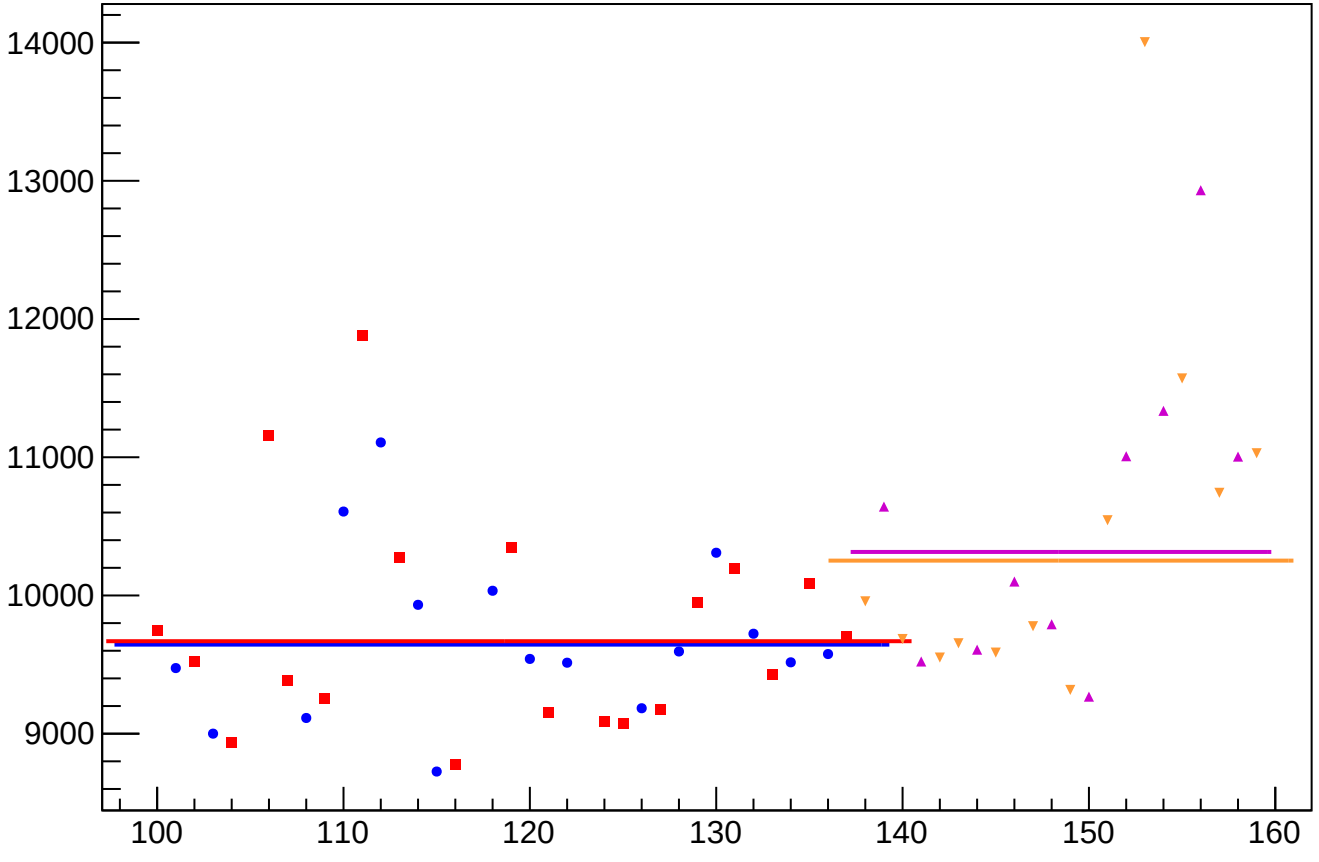
Left In: -41.870+/-3.512 χ^2/NDF:22.4/9

+ sign -29.648+/-2.447 χ^2/NDF: 249.5/27

All: -25.004+/-1.747 χ^2/NDF: 460.0/56

- sign -20.178+/-2.494 χ^2/NDF: 203.2/28

diff_bpm0l02X_rms vs Slug



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

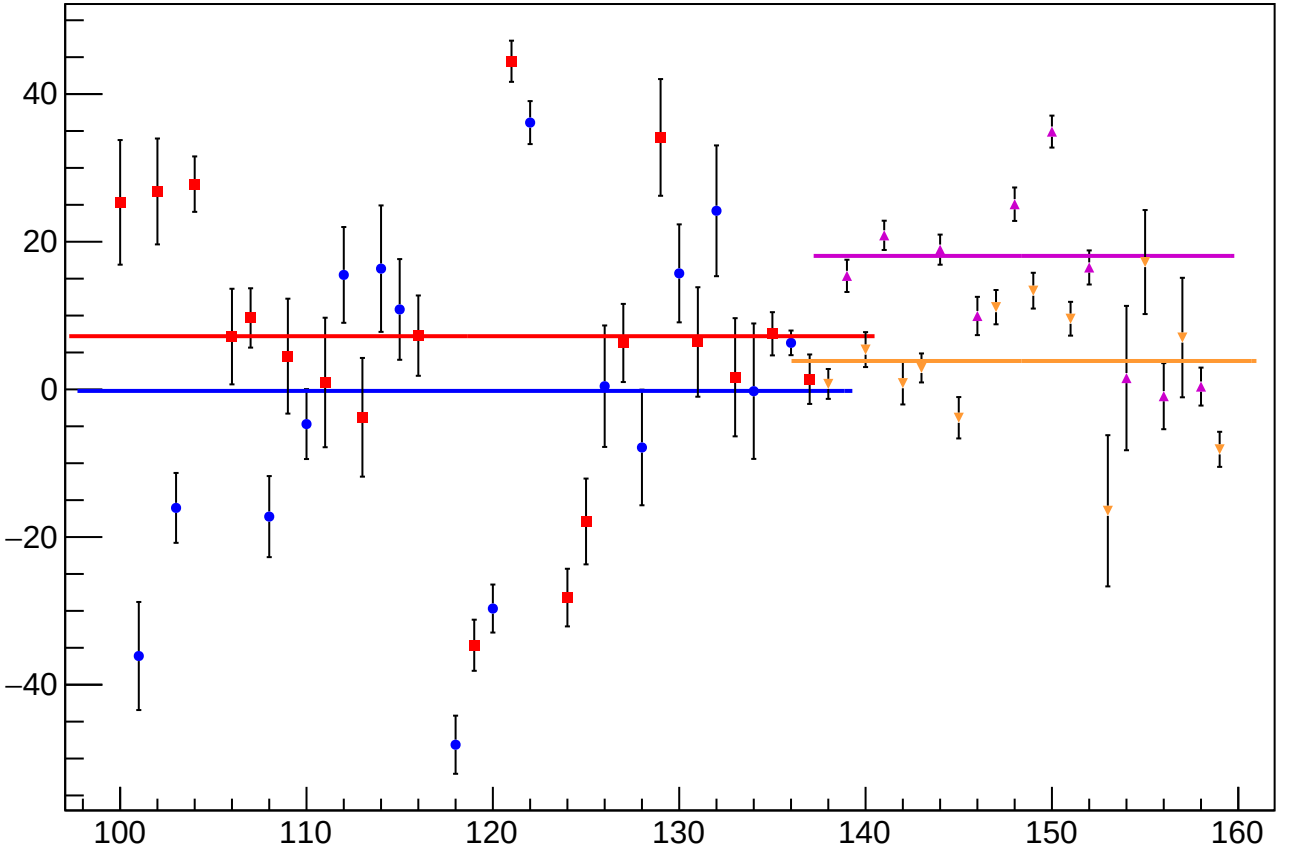
Left In: 10314.886+/-2.484 χ^2/NDF:146534.8/9

+ sign 9970.865+/-1.730 χ^2/NDF: 273778.7/27

All: 9982.607+/-1.235 χ^2/NDF: 533795.8/56

- sign 9994.811+/-1.764 χ^2/NDF: 259923.1/28

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

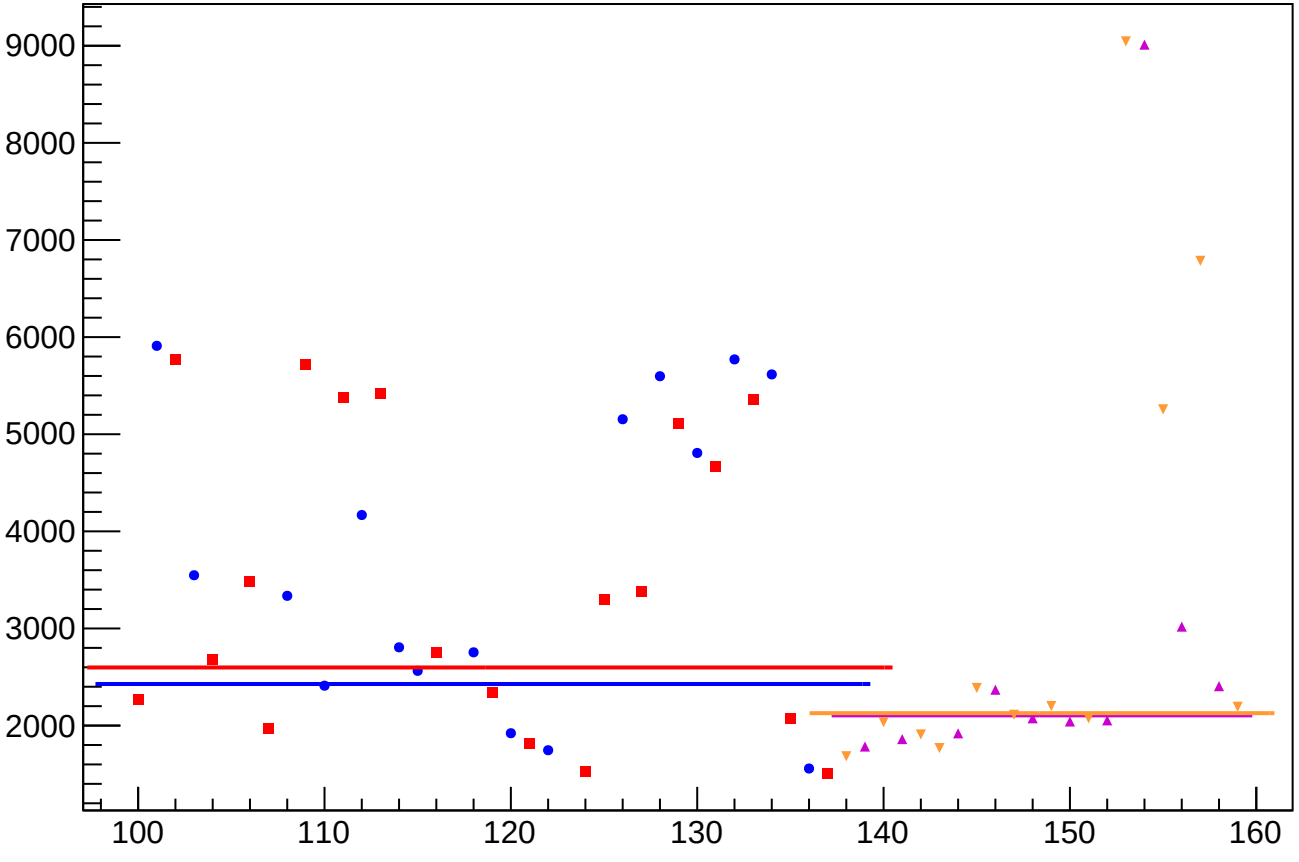
Left In: 18.081+/-0.776 χ^2/NDF:152.3/9

+ sign 2.429+/-0.619 χ^2/NDF: 559.7/27

All: 8.291+/-0.441 χ^2/NDF: 1447.7/56

- sign 14.350+/-0.629 χ^2/NDF: 705.3/28

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

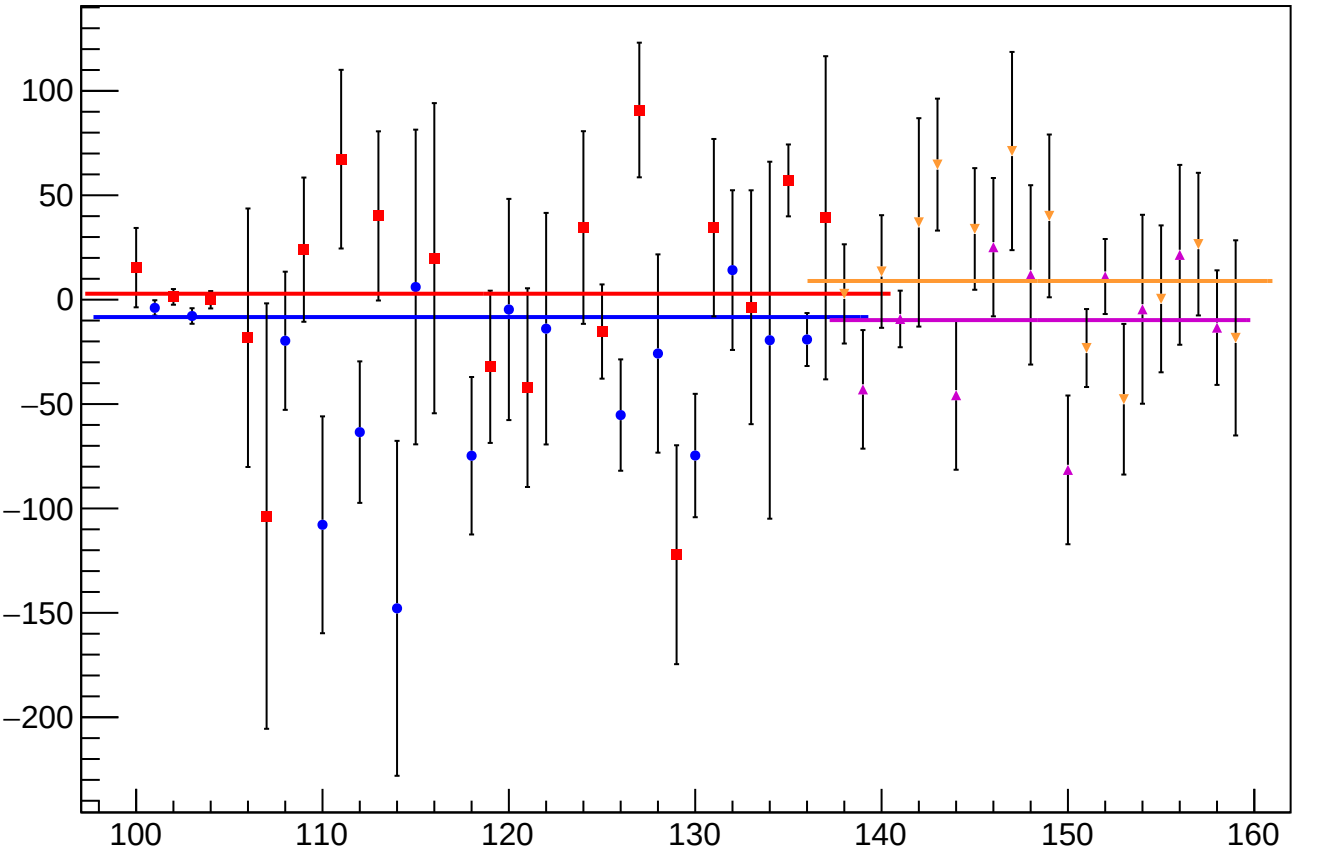
Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2105.106+/-0.549 χ^2/NDF:1222740.0/9

+ sign 2232.911+/-0.437 χ^2/NDF: 5091476.0/27

All: 2253.281+/-0.312 χ^2/NDF: 9110818.2/56

- sign 2274.337+/-0.445 χ^2/NDF: 4014931.4/28



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 8.951+/-8.913 χ^2/NDF:12.7/11

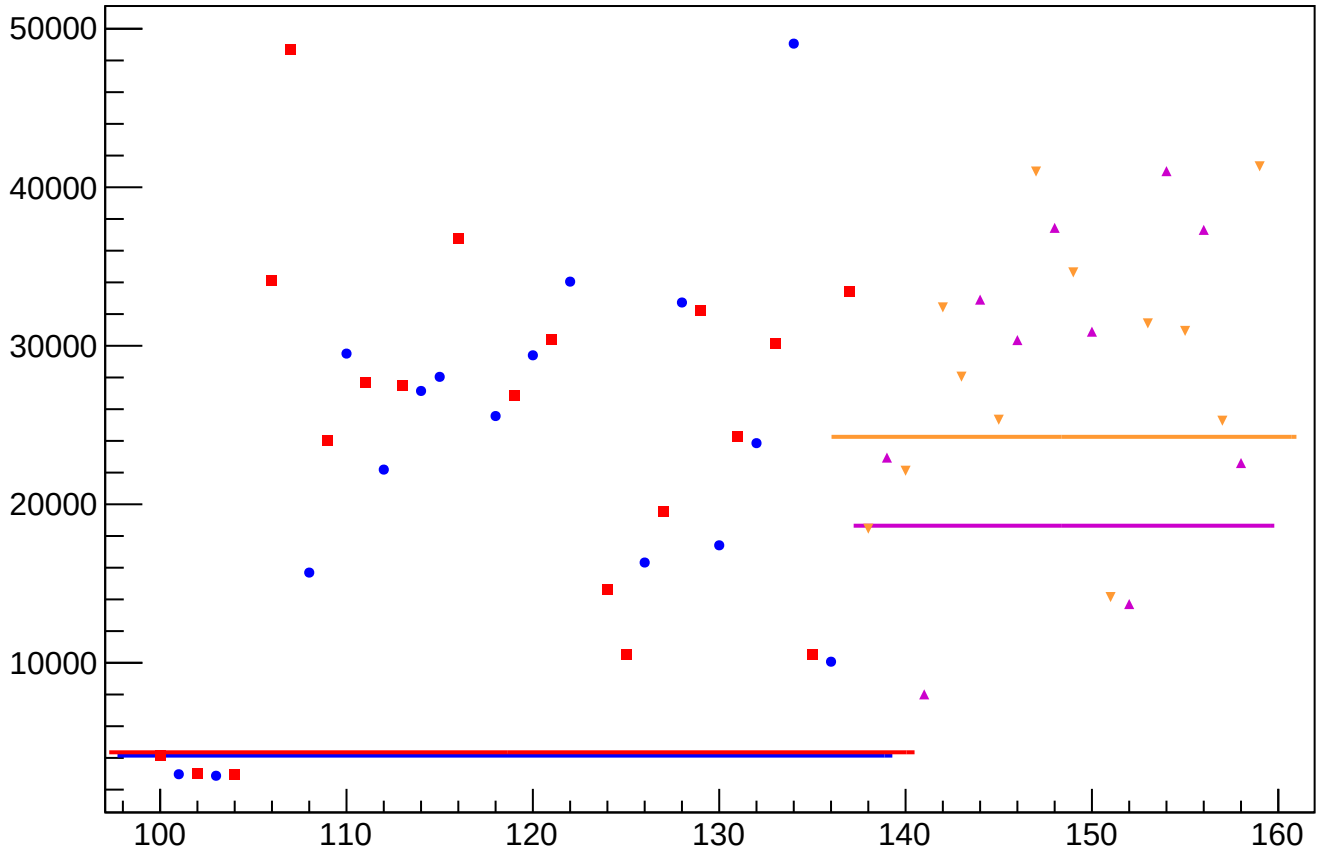
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -9.785+/-8.121 χ^2/NDF:9.7/9

+ sign -7.073+/-2.407 χ^2/NDF: 39.6/27

All: -2.900+/-1.737 χ^2/NDF: 90.4/56

- sign 1.641+/-2.510 χ^2/NDF: 44.5/28



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24256.127+/-6.303 χ^2/NDF:1612209.5/11

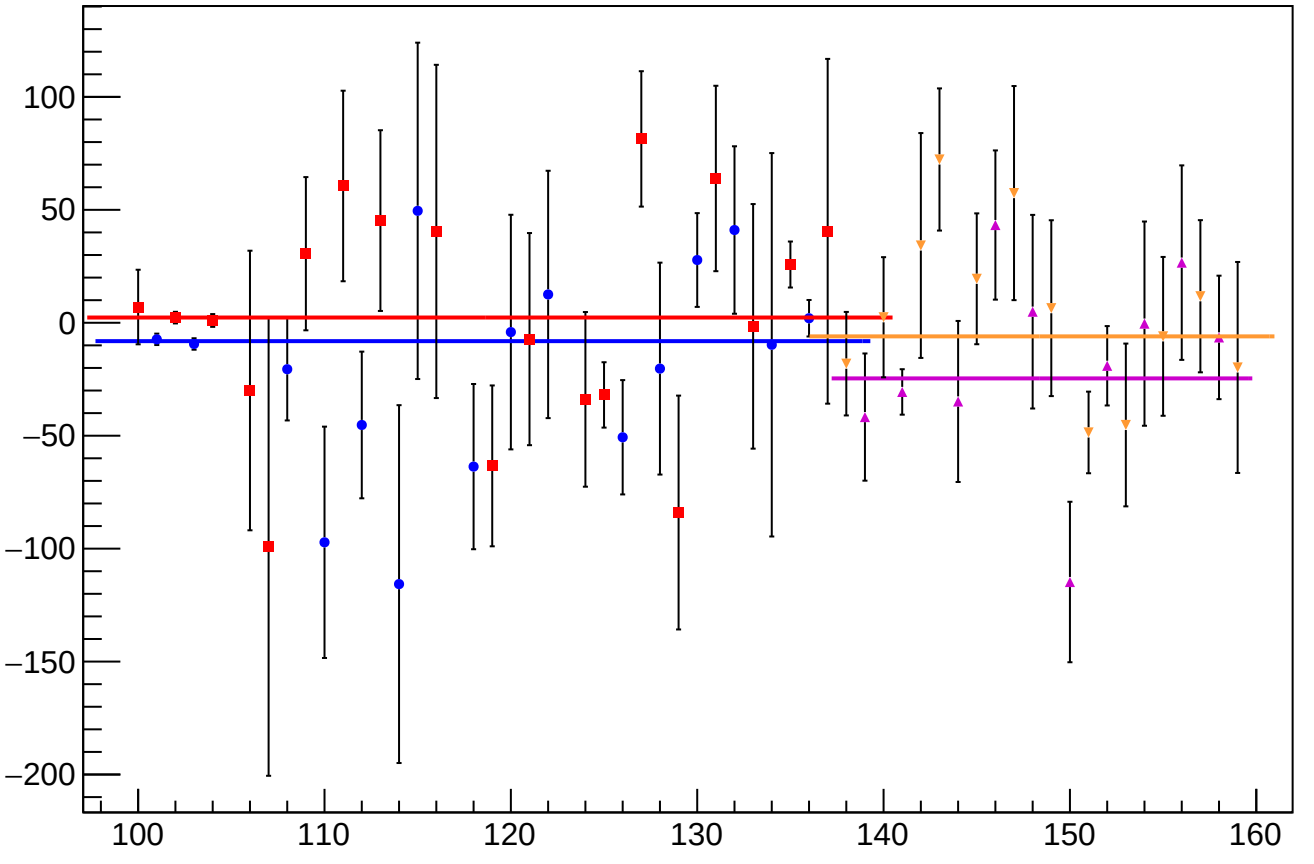
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 18649.426+/-5.742 χ^2/NDF:3523744.3/9

+ sign 5611.781+/-1.702 χ^2/NDF: 17887966.5/27

All: 5663.804+/-1.228 χ^2/NDF: 34643622.7/5

- sign 5720.408+/-1.775 χ^2/NDF: 16753704.7/28



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -6.024+/-8.768 χ^2/NDF:17.0/11

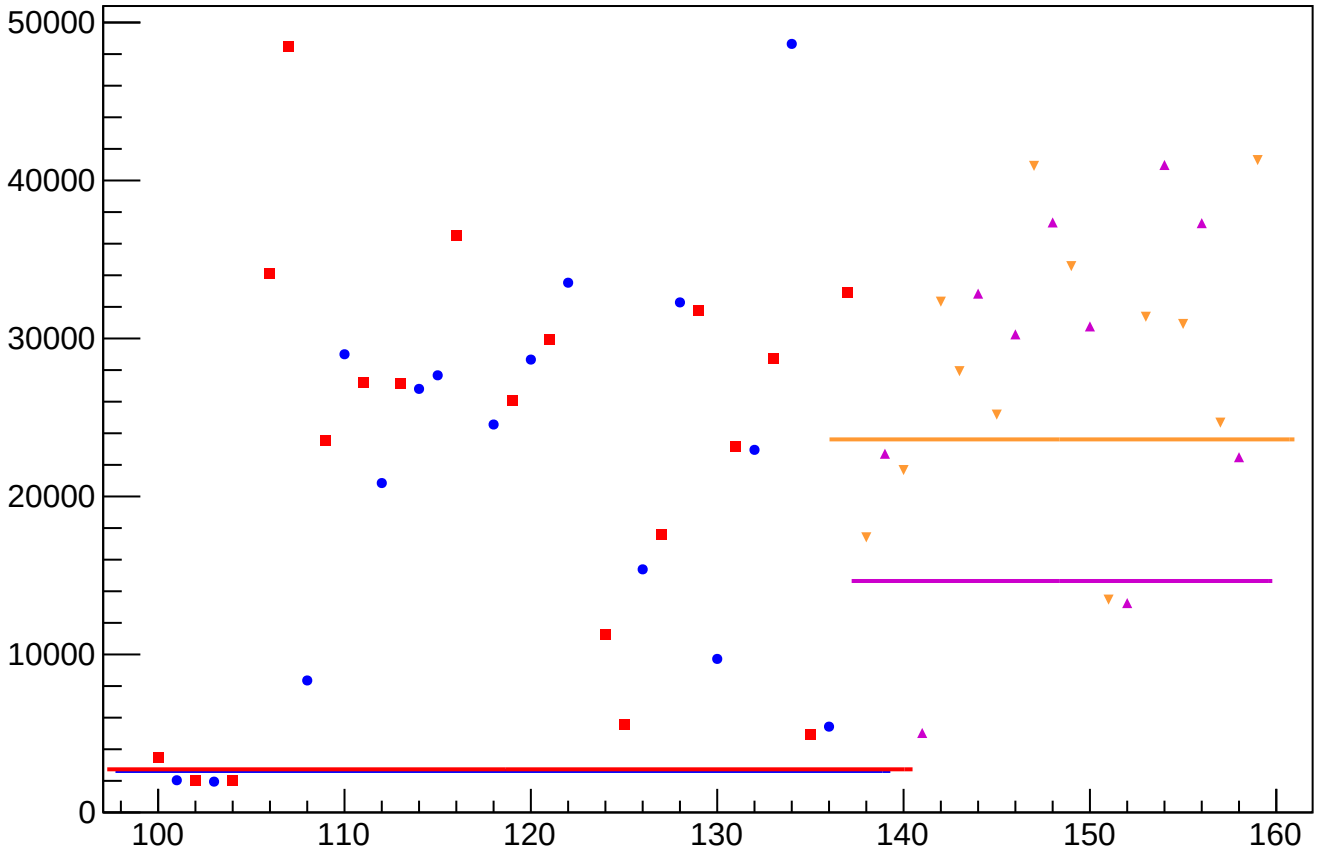
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -24.631+/-7.110 χ^2/NDF:14.2/9

+ sign -8.054+/-1.688 χ^2/NDF: 36.1/27

All: -3.888+/-1.220 χ^2/NDF: 109.6/56

- sign 0.664+/-1.765 χ^2/NDF: 60.7/28



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

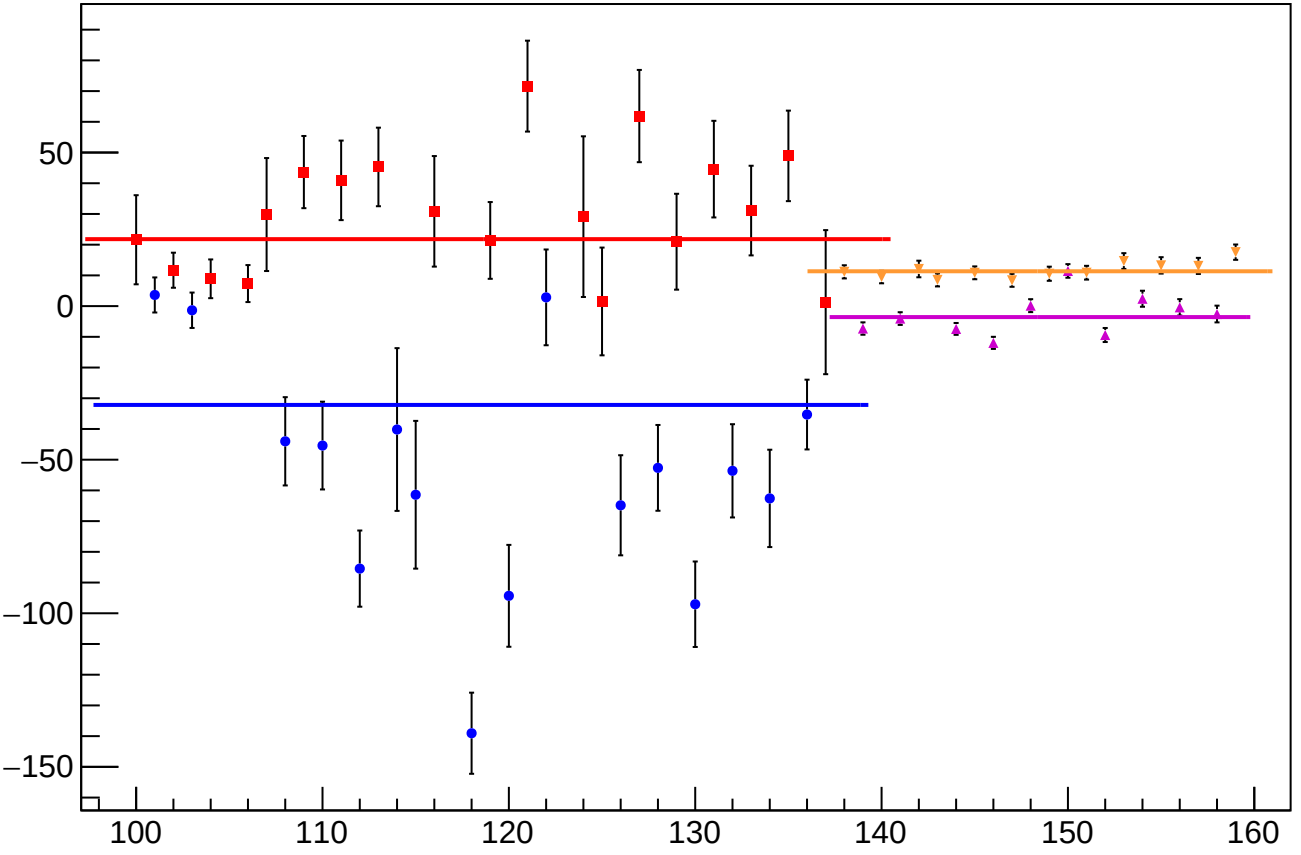
Left In: 14650.334+/-5.028 χ^2/NDF:5339261.9/9

+ sign 3404.500+/-1.194 χ^2/NDF: 19599925.1/27

All: 3433.149+/-0.863 χ^2/NDF: 38201095.6/5

- sign 3464.451+/-1.248 χ^2/NDF: 18599965.3/28

diff_bpm0l04X_mean vs Slug



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

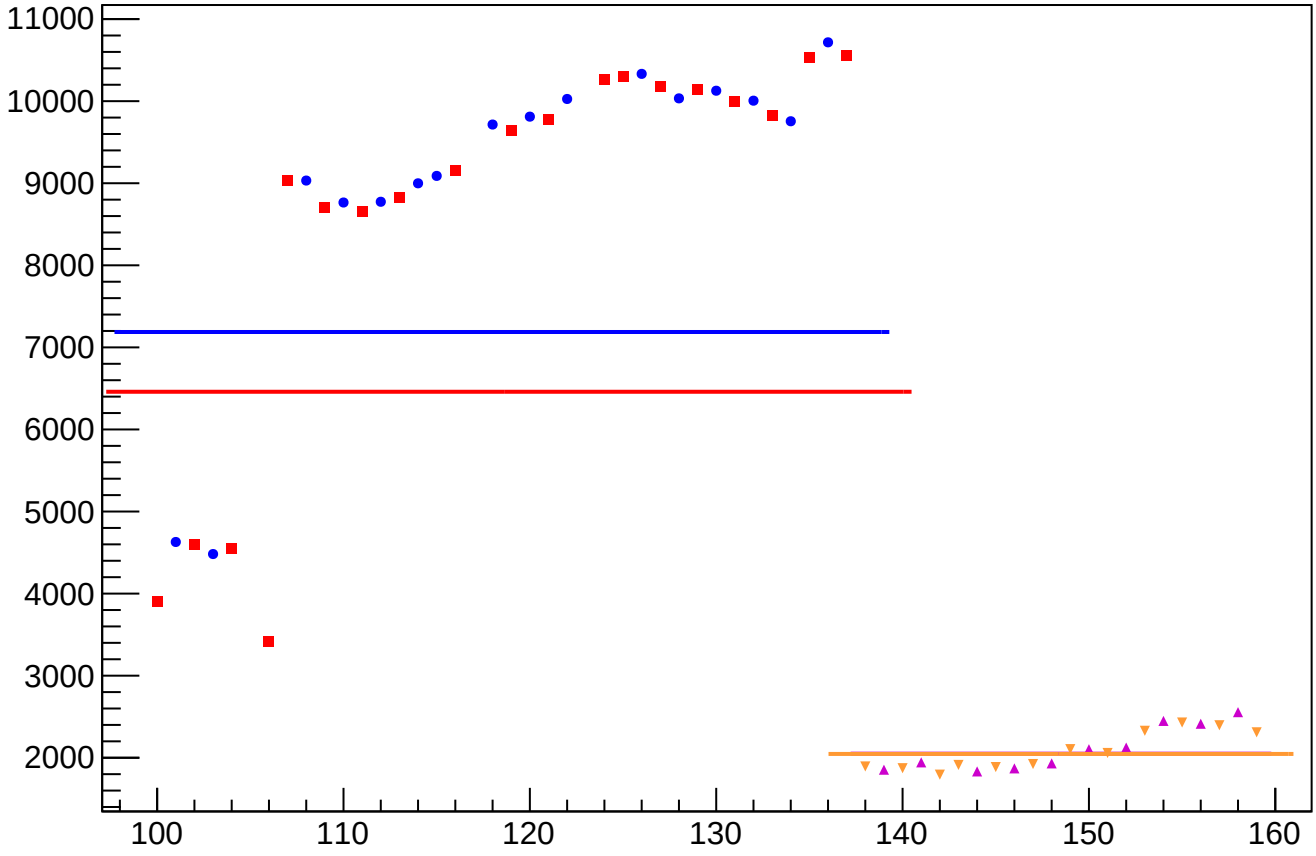
Left In: -3.572+/-0.699 χ^2/NDF:87.7/9

+ sign 9.075+/-0.648 χ^2/NDF: 443.7/27

All: 3.848+/-0.467 χ^2/NDF: 807.4/56

- sign -1.807+/-0.674 χ^2/NDF: 228.4/28

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

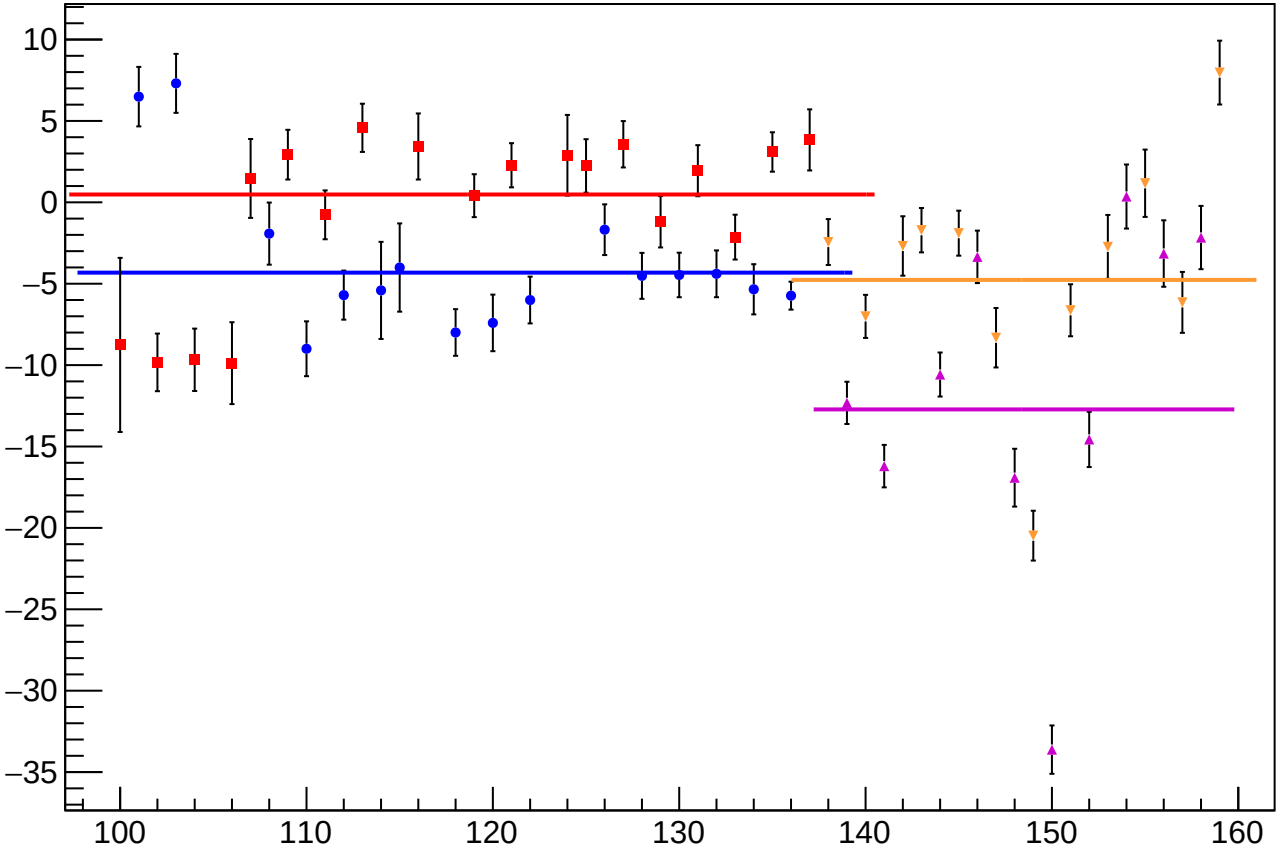
Left In: 2049.610+/-0.494 χ^2/NDF:228195.7/9

+ sign 2314.062+/-0.458 χ^2/NDF: 8103770.8/27

All: 2334.371+/-0.331 χ^2/NDF: 16145467.8/5

- sign 2356.345+/-0.477 χ^2/NDF: 8037612.2/28

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

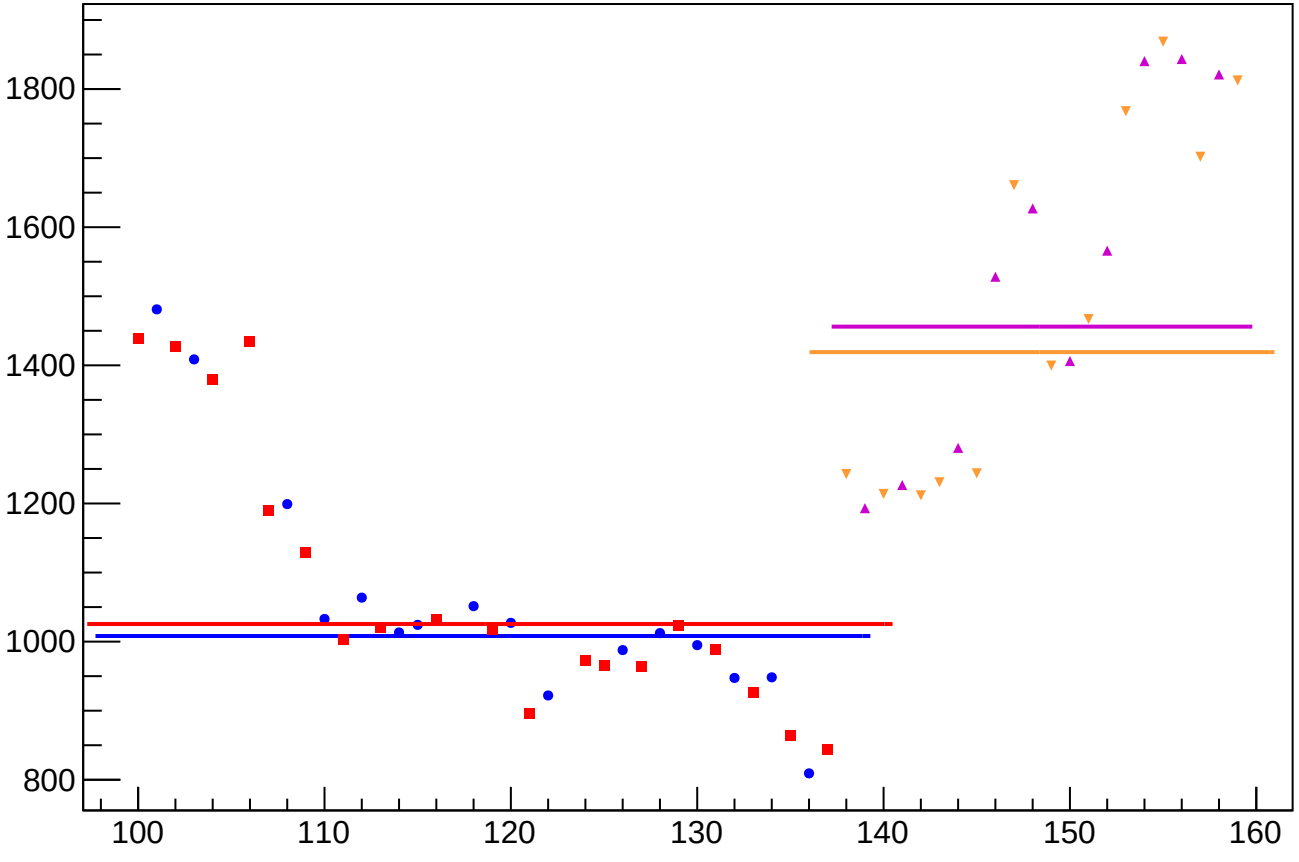
Left In: -12.721+/-0.500 χ^2/NDF:343.9/9

+ sign -4.497+/-0.295 χ^2/NDF: 282.9/27

All: -4.414+/-0.211 χ^2/NDF: 1186.8/56

- sign -4.326+/-0.302 χ^2/NDF: 903.7/28

diff_bpm0l04Y_rms vs Slug



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

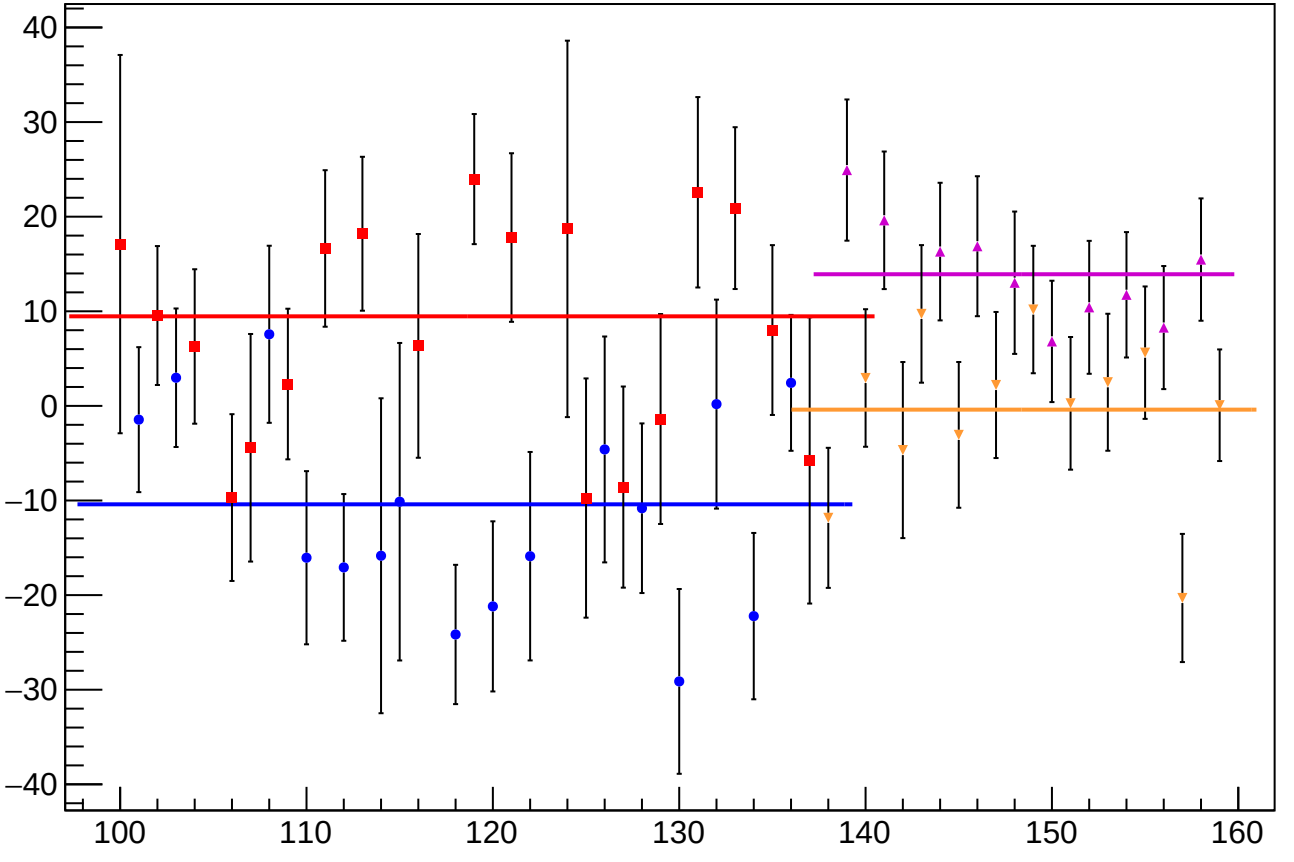
Left In: 1456.037+/-0.354 χ^2/NDF:429756.2/9

+ sign 1171.917+/-0.208 χ^2/NDF: 1809539.4/27

All: 1176.955+/-0.149 χ^2/NDF: 3527974.0/56

- sign 1182.251+/-0.214 χ^2/NDF: 1717233.9/28

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

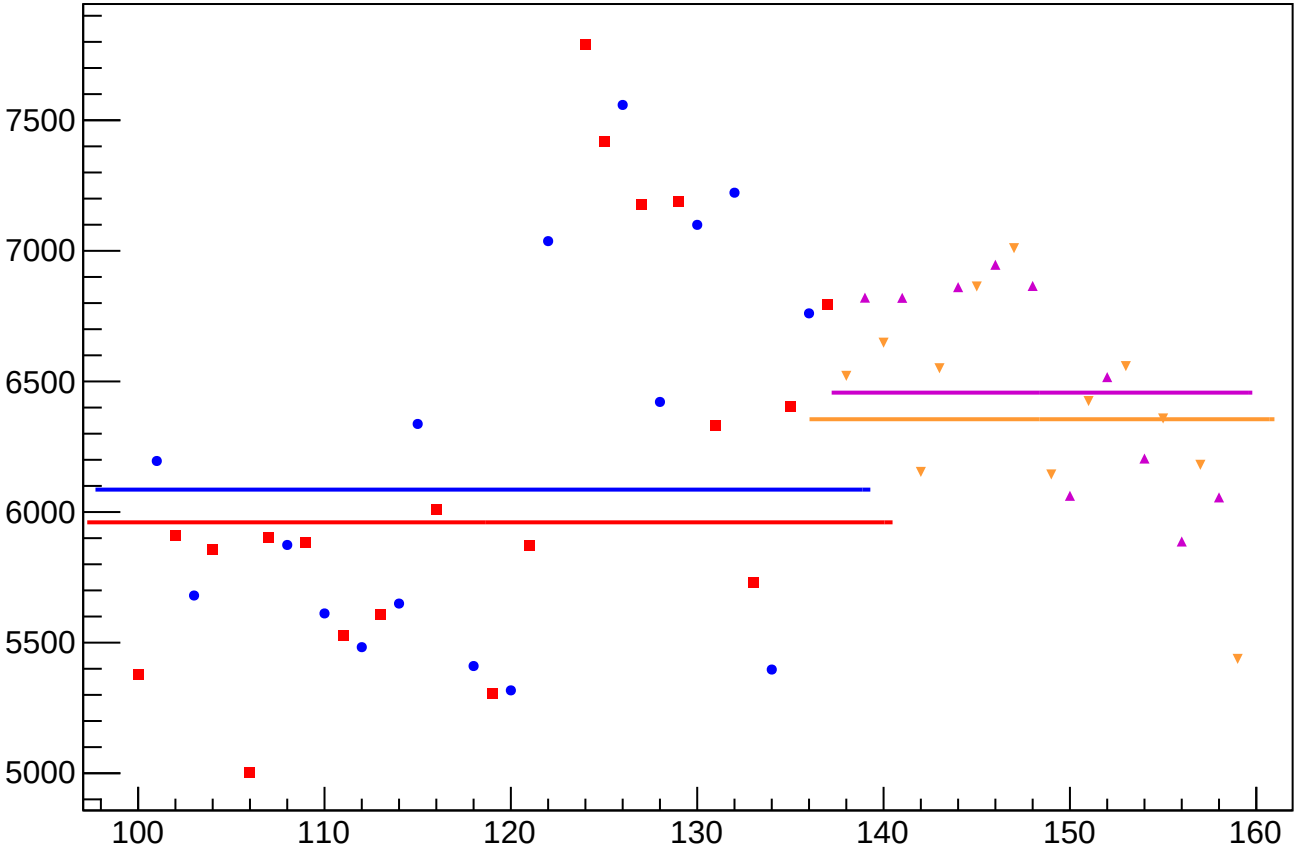
Left In: 13.916+/-2.200 χ^2/NDF:5.5/9

+ sign -4.915+/-1.532 χ^2/NDF: 52.2/27

All: 3.274+/-1.090 χ^2/NDF: 143.0/56

- sign 11.682+/-1.552 χ^2/NDF: 32.9/28

diff_bpm0l05X_rms vs Slug



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

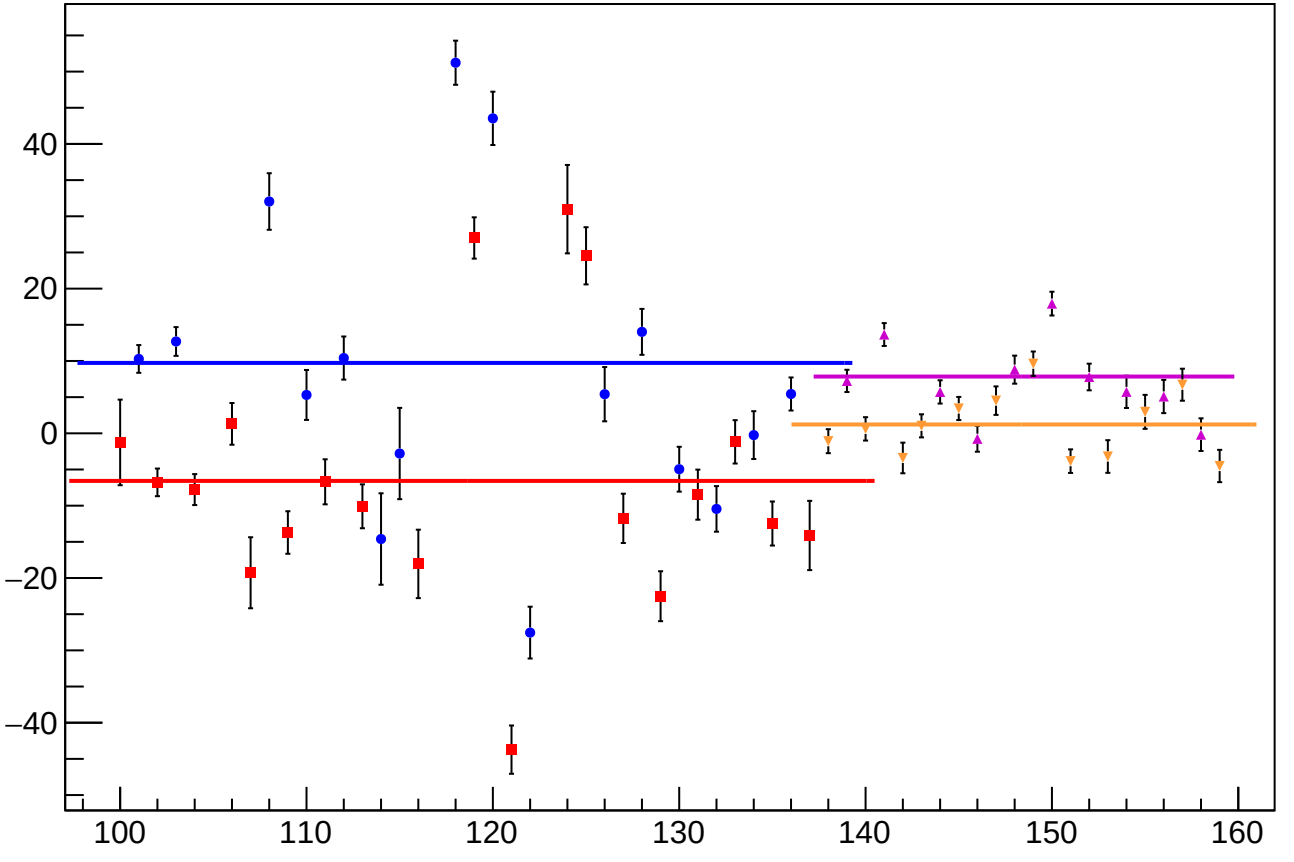
Left In: 6457.150+/-1.556 χ^2/NDF:64227.7/9

+ sign 6233.663+/-1.083 χ^2/NDF: 277634.9/27

All: 6220.927+/-0.771 χ^2/NDF: 556065.7/56

- sign 6207.850+/-1.098 χ^2/NDF: 278150.7/28

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

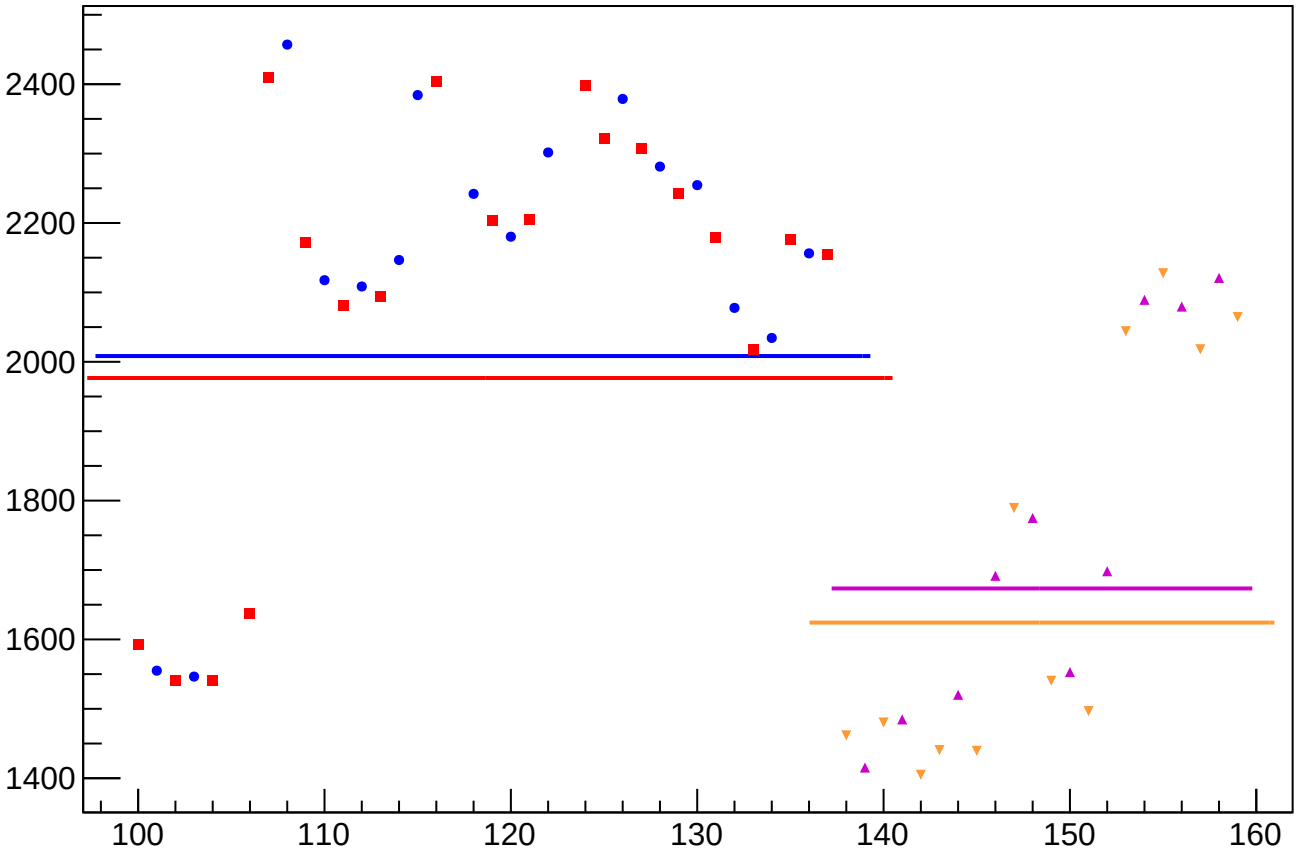
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 7.848+/-0.573 χ^2/NDF:91.5/9

+ sign 4.052+/-0.435 χ^2/NDF: 660.5/27

All: 3.230+/-0.313 χ^2/NDF: 1424.5/56

- sign 2.348+/-0.451 χ^2/NDF: 756.6/28



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

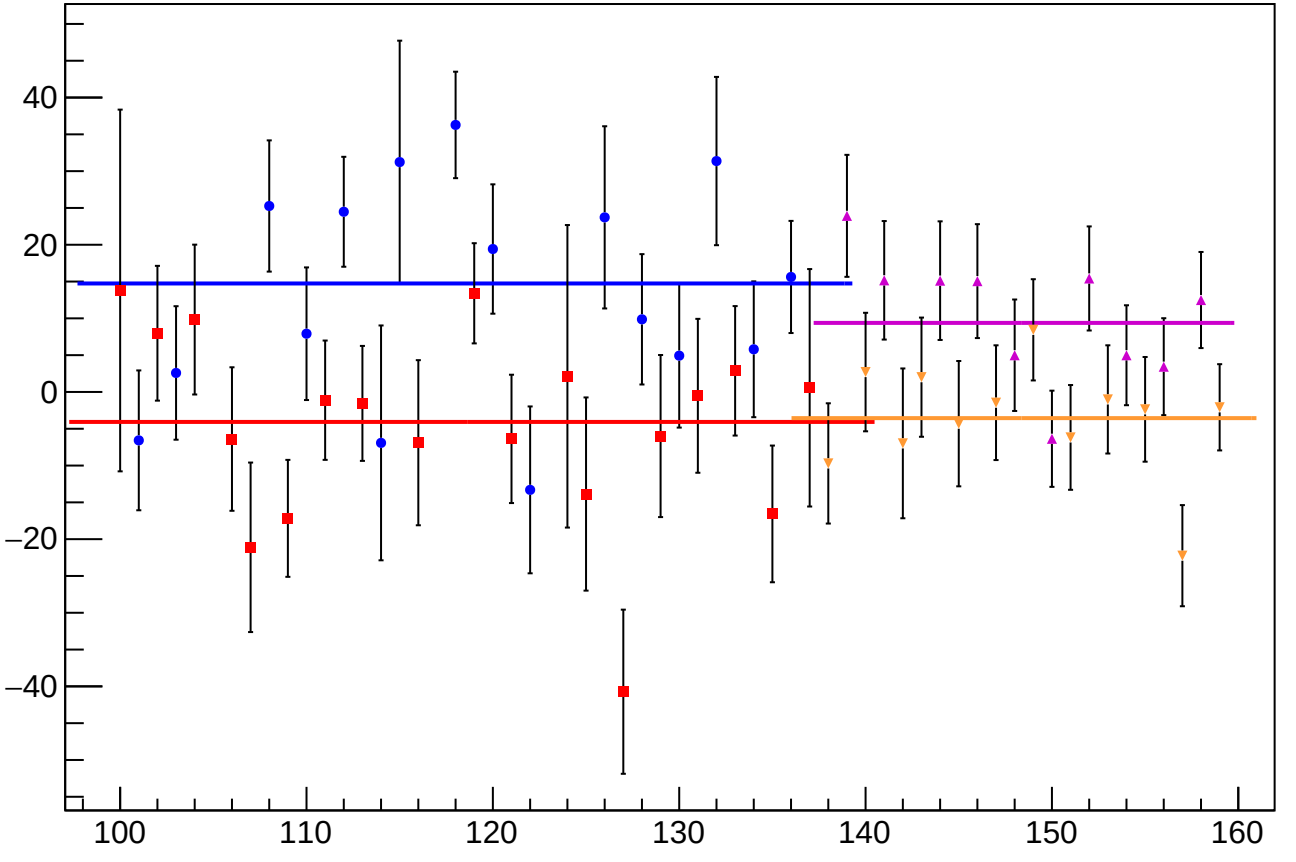
Left In: 1673.427+/-0.405 χ^2/NDF:330220.5/9

+ sign 1751.920+/-0.308 χ^2/NDF: 1133370.1/27

All: 1769.836+/-0.221 χ^2/NDF: 2049314.2/56

- sign 1789.074+/-0.319 χ^2/NDF: 908916.5/28

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

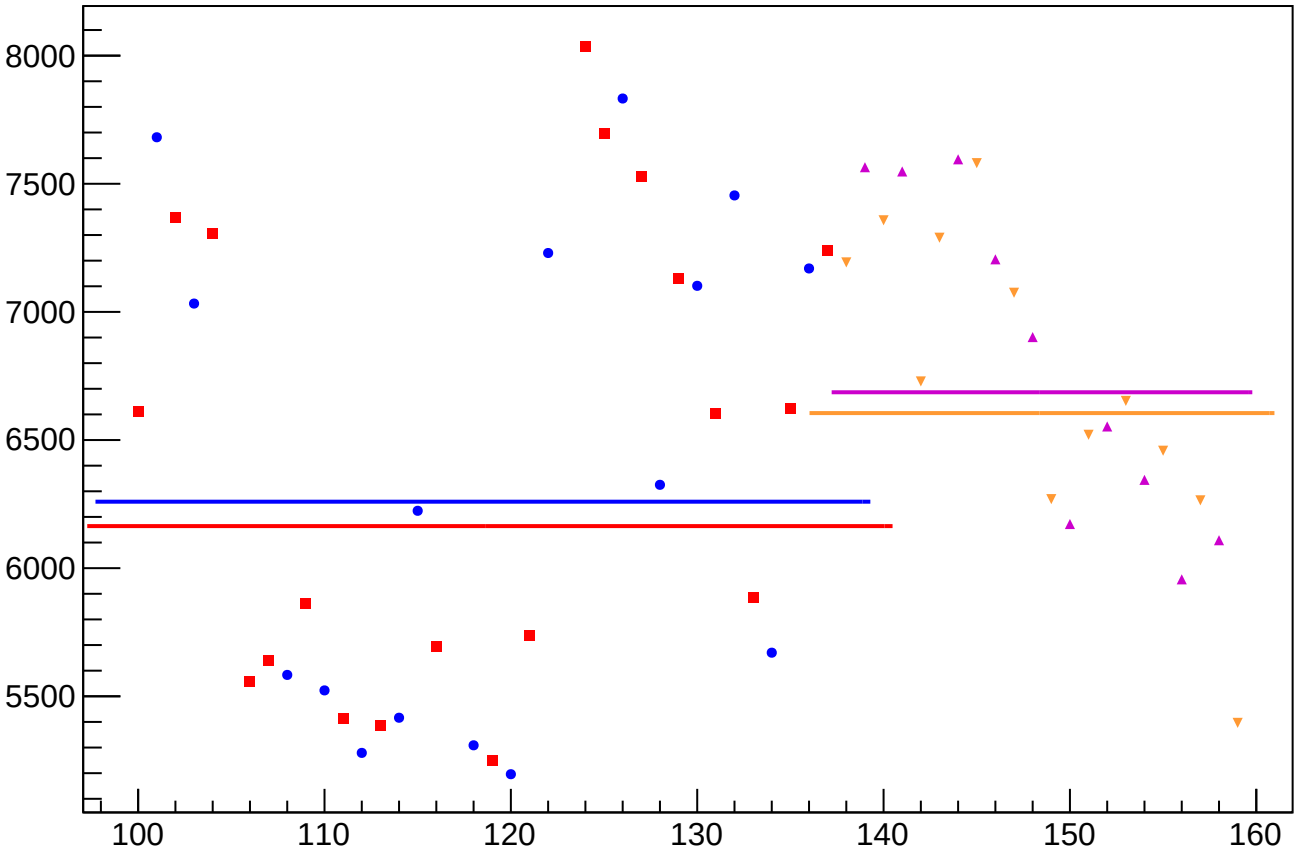
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 9.383+/-2.287 χ^2/NDF:13.0/9

+ sign 4.778+/-1.591 χ^2/NDF: 78.9/27

All: 3.711+/-1.133 χ^2/NDF: 140.4/56

- sign 2.616+/-1.612 χ^2/NDF: 60.5/28



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

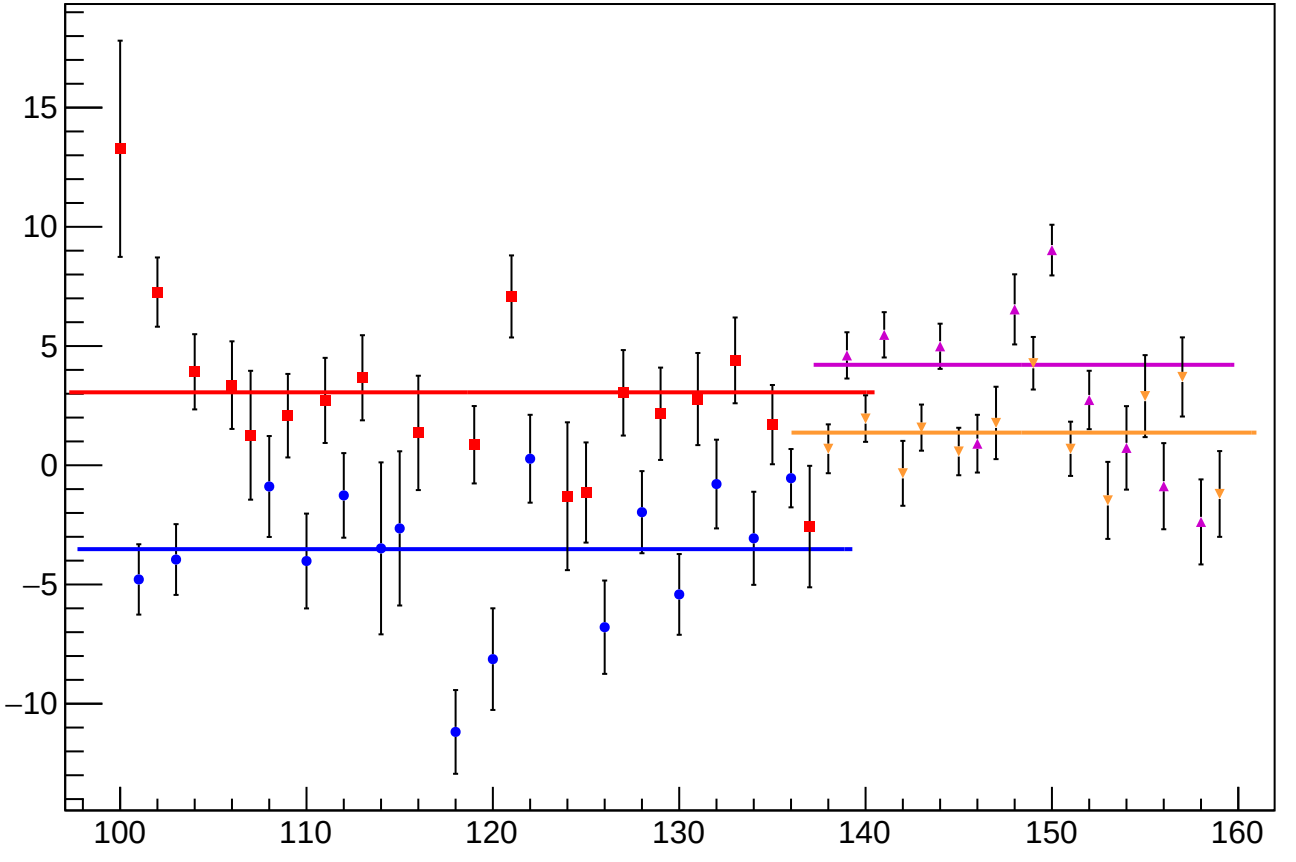
Left In: 6686.406+/-1.617 χ^2/NDF:139809.5/9

+ sign 6447.685+/-1.125 χ^2/NDF: 503988.2/27

All: 6435.872+/-0.801 χ^2/NDF: 961529.2/56

- sign 6423.741+/-1.140 χ^2/NDF: 457317.7/28

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

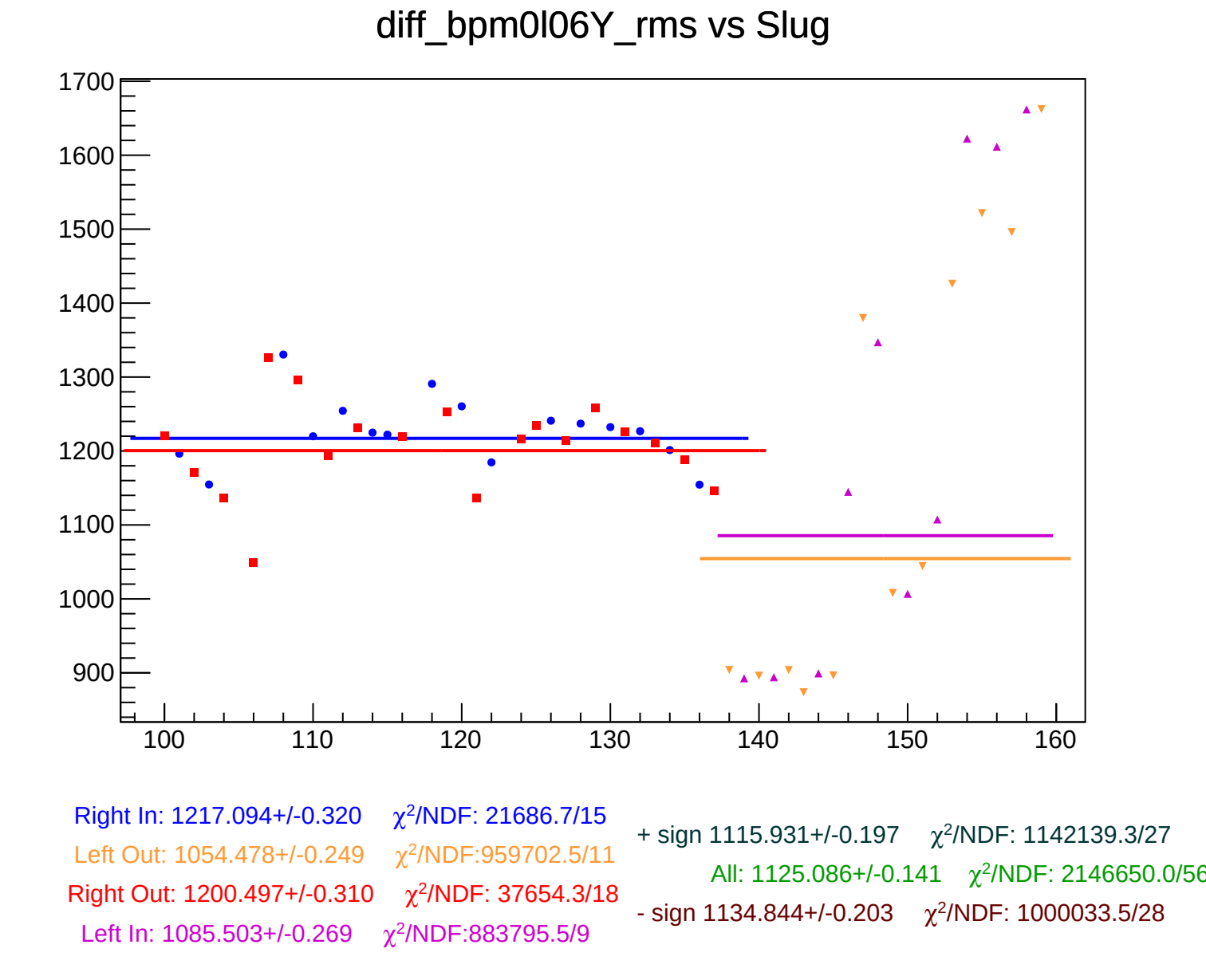
Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: 4.213+/-0.380 χ^2/NDF:60.0/9

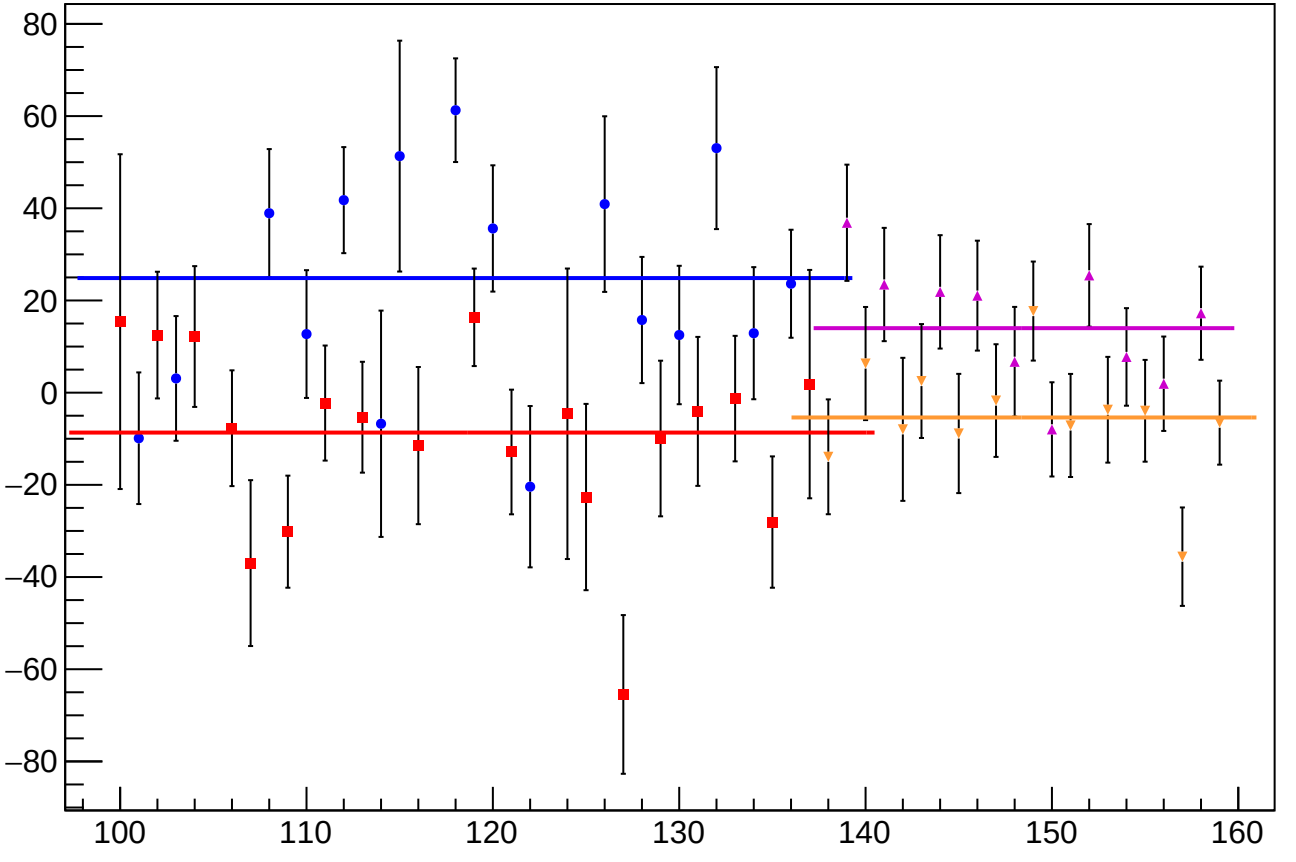
+ sign -0.478+/-0.278 χ^2/NDF: 136.0/27

All: 1.553+/-0.200 χ^2/NDF: 345.0/56

- sign 3.718+/-0.287 χ^2/NDF: 98.8/28


diff_bpm0l06Y_rms vs Slug
1700
1600
1500
1400
1300
1200
1100
1000
900
100
110
120
130
140
150
160
Right In: 1217.094+/-0.320 χ²/NDF: 21686.7/15
Left Out: 1054.478+/-0.249 χ²/NDF:959702.5/11
Right Out: 1200.497+/-0.310 χ²/NDF: 37654.3/18
Left In: 1085.503+/-0.269 χ²/NDF:883795.5/9
+ sign 1115.931+/-0.197 χ²/NDF: 1142139.3/27
All: 1125.086+/-0.141 χ²/NDF: 2146650.0/56
- sign 1134.844+/-0.203 χ²/NDF: 1000033.5/28

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

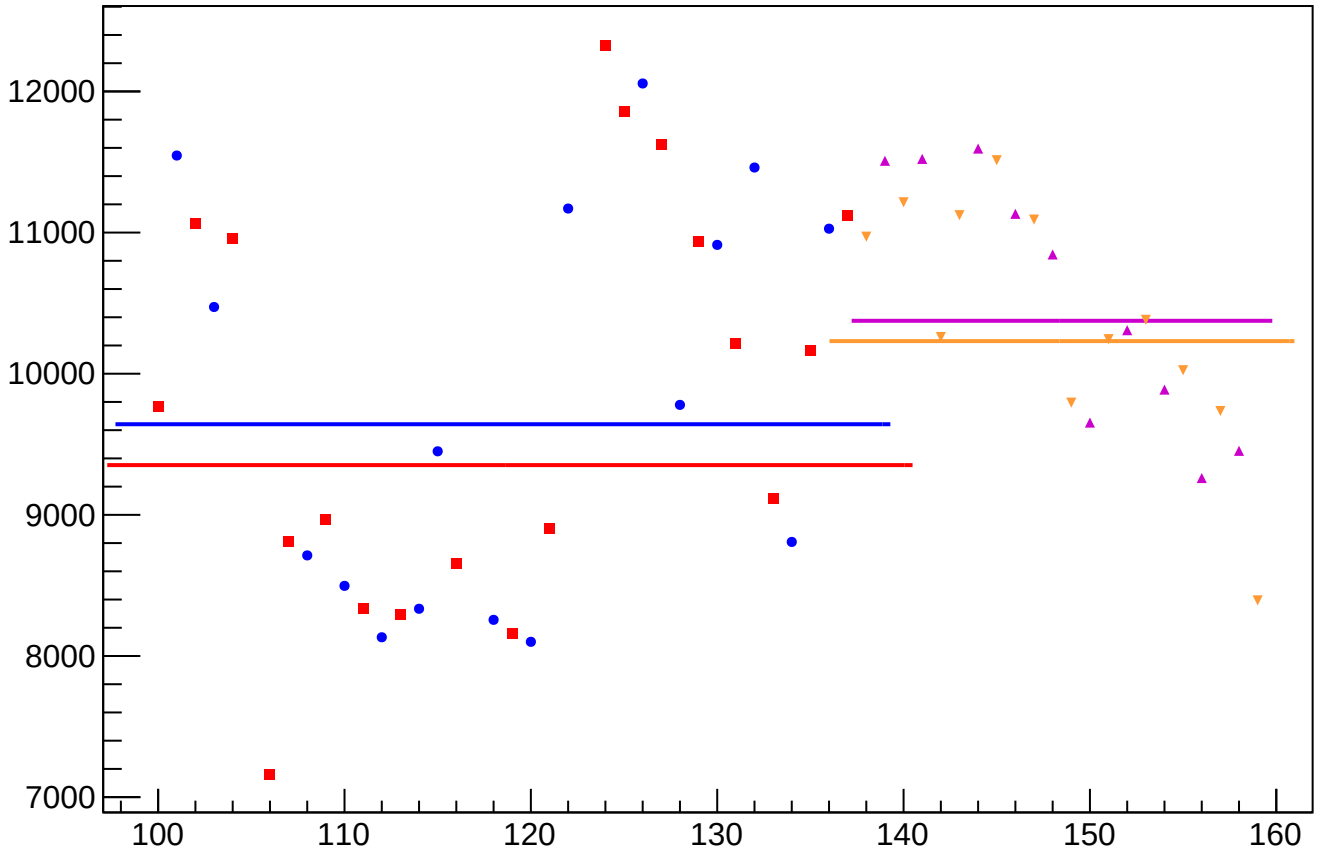
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 13.992+/-3.546 χ^2/NDF:12.5/9

+ sign 8.483+/-2.457 χ^2/NDF: 90.4/27

All: 5.448+/-1.743 χ^2/NDF: 157.1/56

- sign 2.369+/-2.474 χ^2/NDF: 63.6/28



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10231.074+/-2.360 χ^2/NDF:149827.5/11

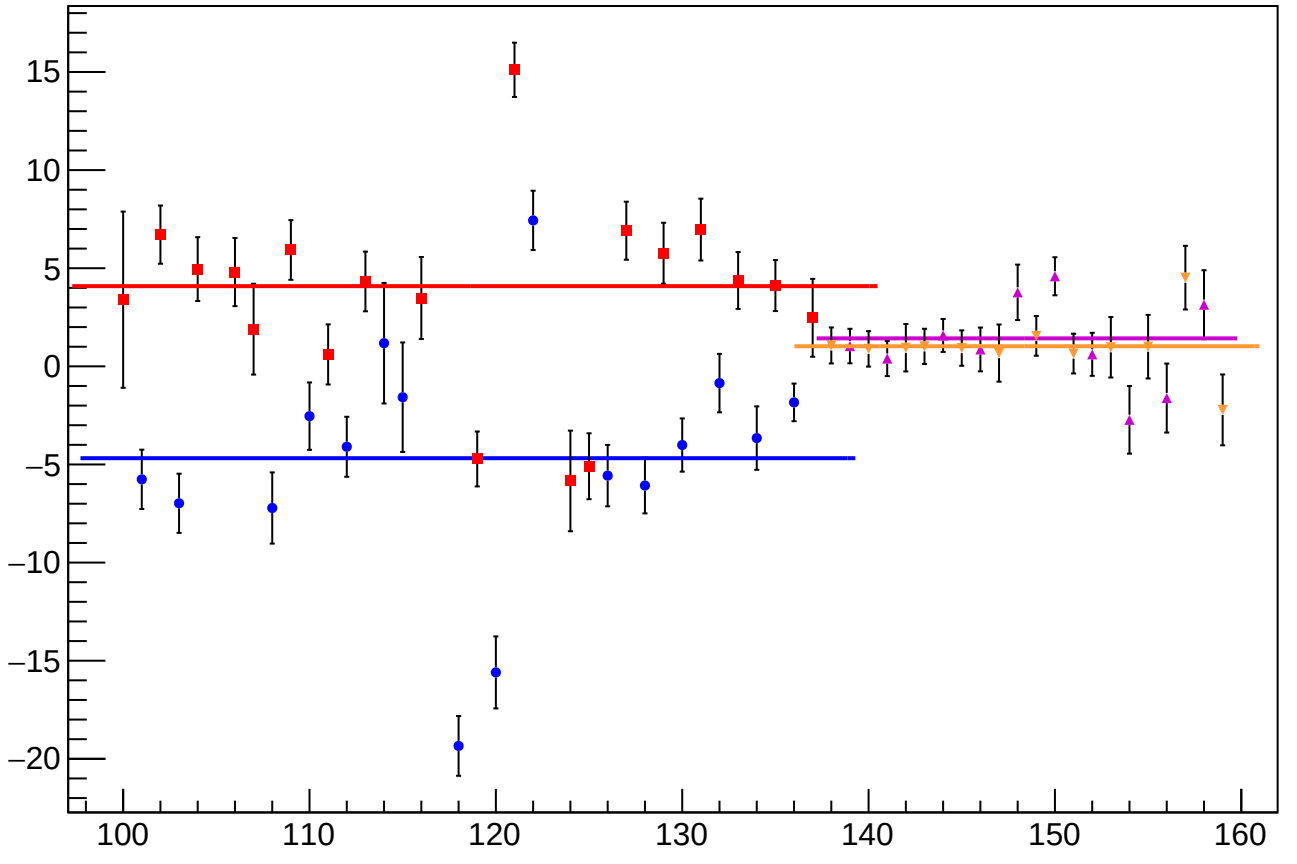
Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 10374.942+/-2.507 χ^2/NDF:119052.5/9

+ sign 9961.033+/-1.737 χ^2/NDF: 458031.5/27

All: 9906.047+/-1.233 χ^2/NDF: 966217.0/56

- sign 9850.274+/-1.749 χ^2/NDF: 506167.0/28



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

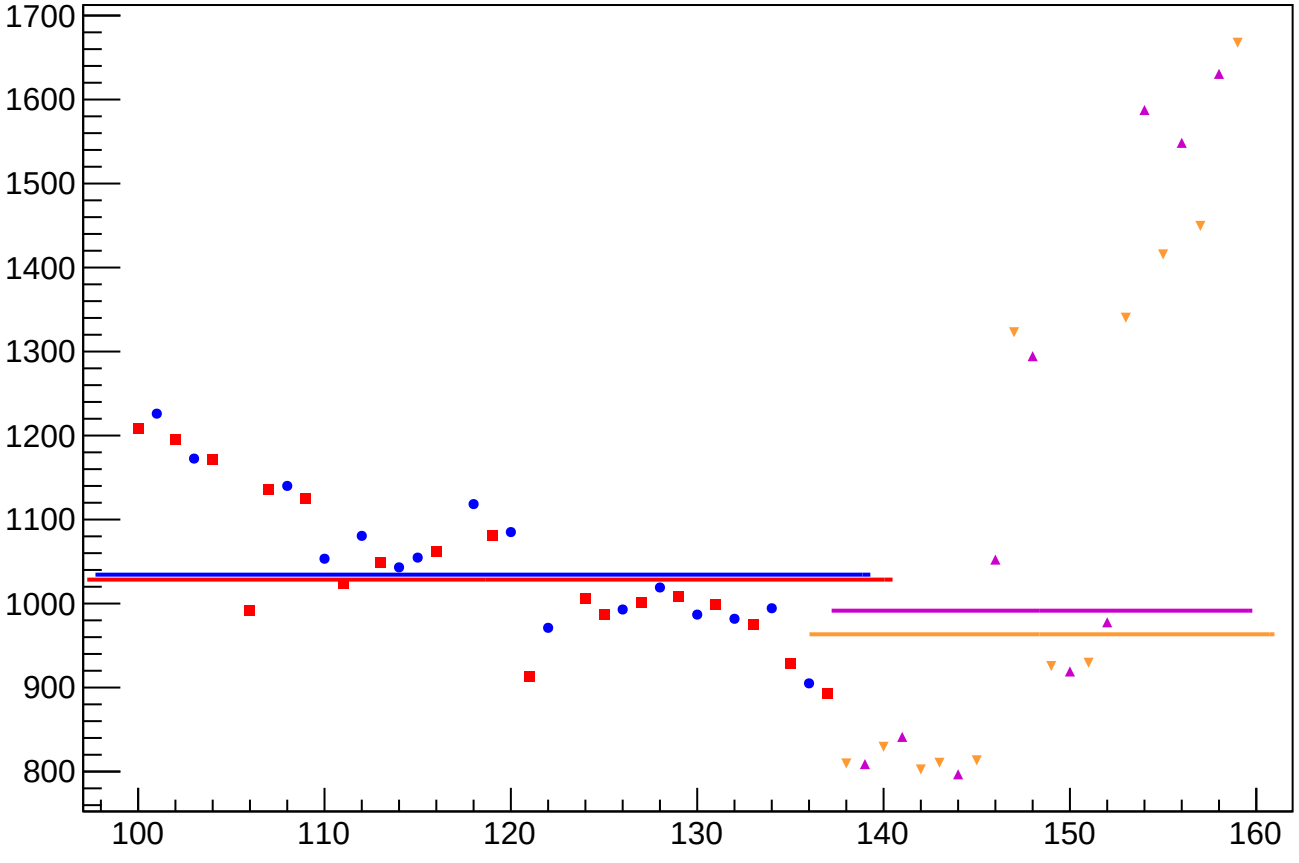
Left In: 1.426+/-0.350 χ^2/NDF:25.5/9

+ sign -1.342+/-0.248 χ^2/NDF: 357.5/27

All: 0.596+/-0.178 χ^2/NDF: 703.5/56

- sign 2.661+/-0.256 χ^2/NDF: 220.3/28

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

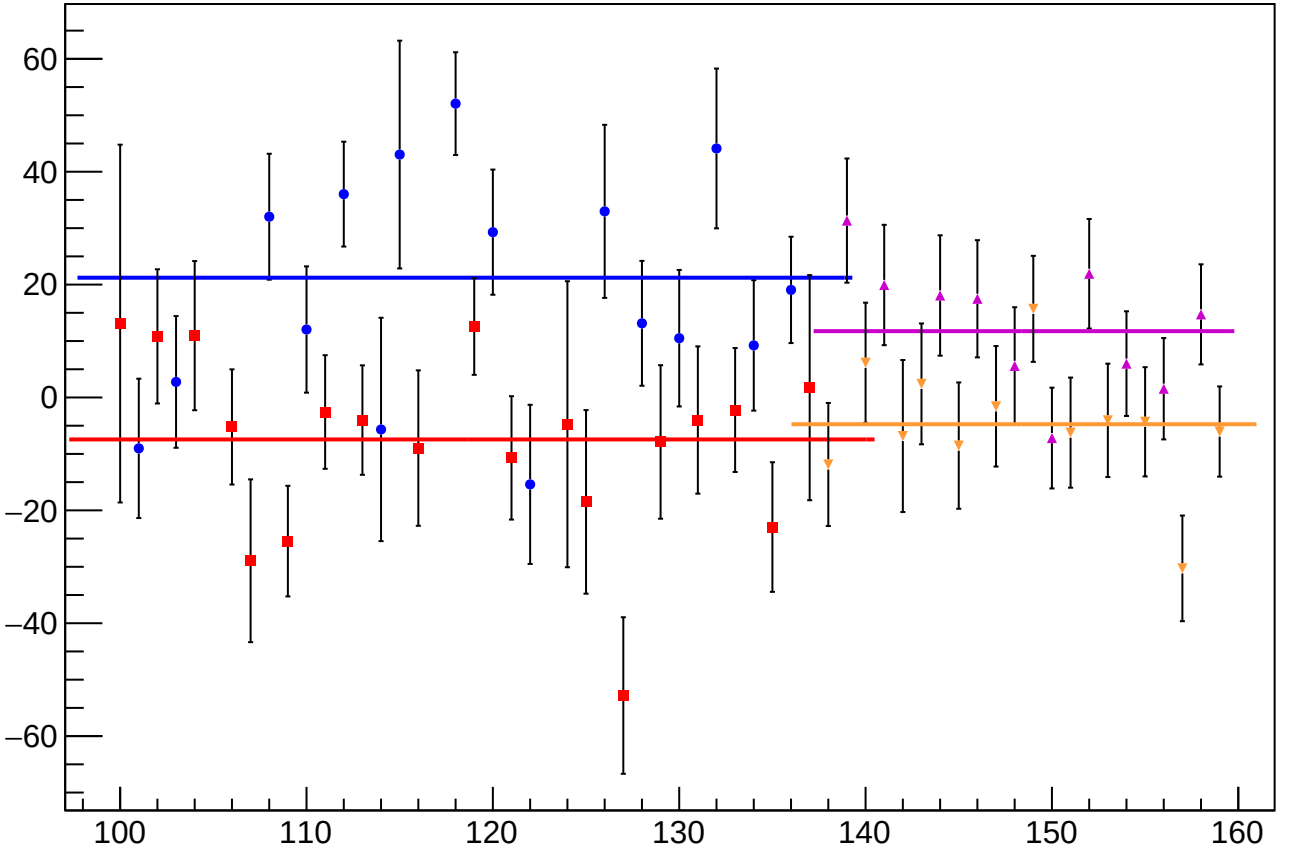
Left In: 991.518+/-0.248 χ^2/NDF:1064406.6/9

+ sign 992.851+/-0.176 χ^2/NDF: 1288222.9/27

All: 1000.519+/-0.126 χ^2/NDF: 2468532.7/56

- sign 1008.689+/-0.181 χ^2/NDF: 1176375.3/28

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

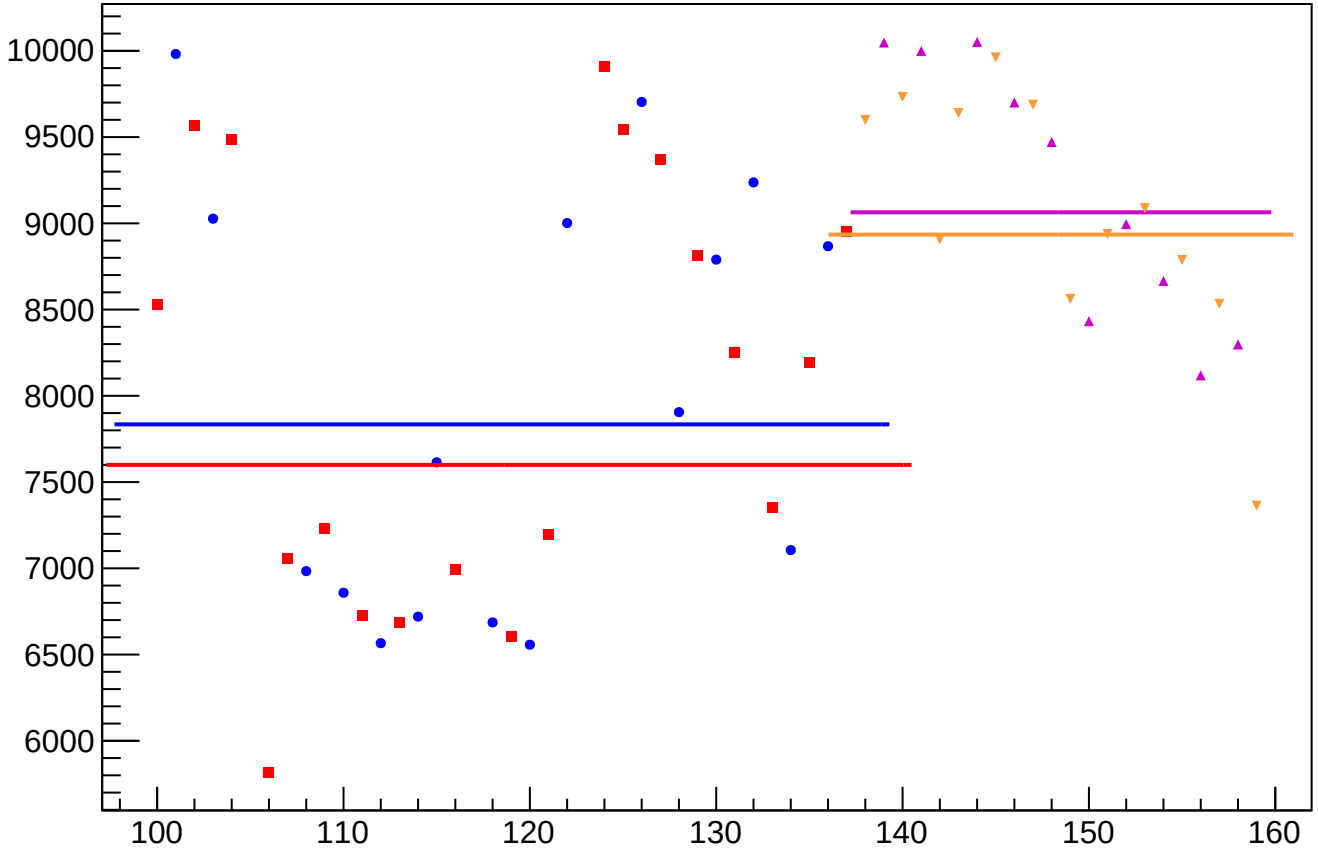
Left In: 11.751+/-3.096 χ^2/NDF:12.2/9

+ sign 8.076+/-2.074 χ^2/NDF: 93.6/27

All: 4.665+/-1.469 χ^2/NDF: 162.1/56

- sign 1.231+/-2.081 χ^2/NDF: 63.0/28

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

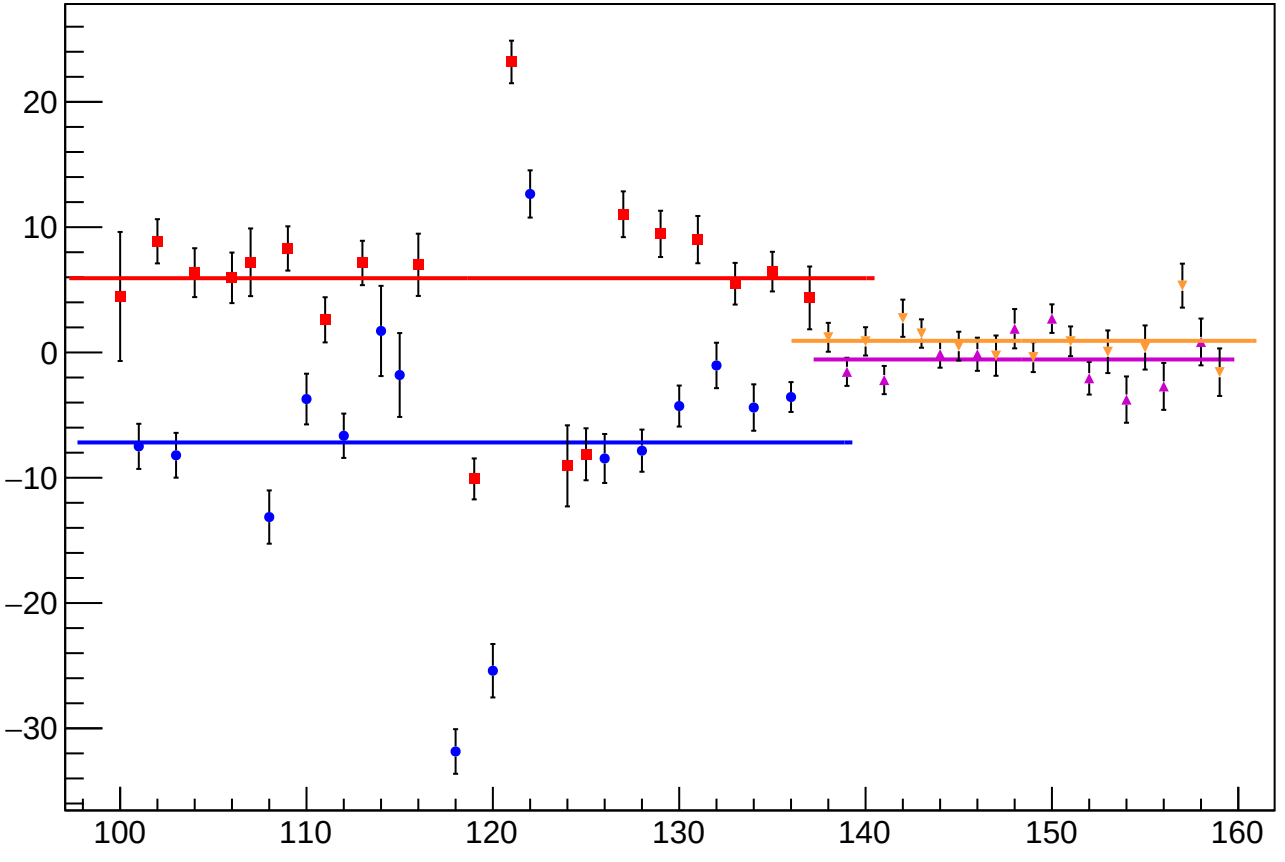
Left In: 9063.778+/-2.190 χ^2/NDF:110026.8/9

+ sign 8391.732+/-1.466 χ^2/NDF: 598006.2/27

All: 8326.594+/-1.039 χ^2/NDF: 1301446.4/56

- sign 8261.006+/-1.471 χ^2/NDF: 699480.5/28

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

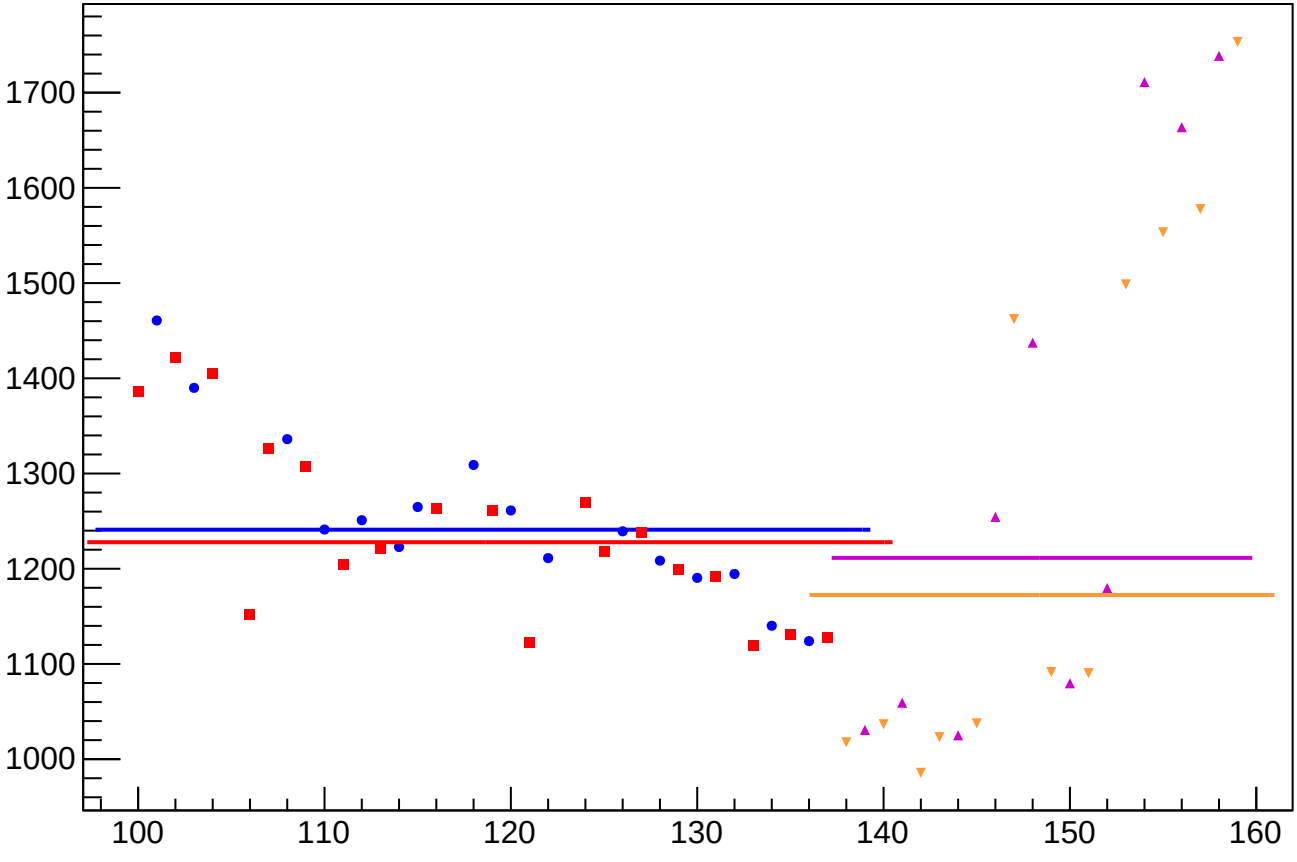
Left In: -0.559+/-0.421 χ^2/NDF:20.0/9

\+ sign -2.439+/-0.298 χ^2/NDF: 614.3/27

All: -0.058+/-0.214 χ^2/NDF: 1167.5/56

\- sign 2.476+/-0.307 χ^2/NDF: 421.3/28

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

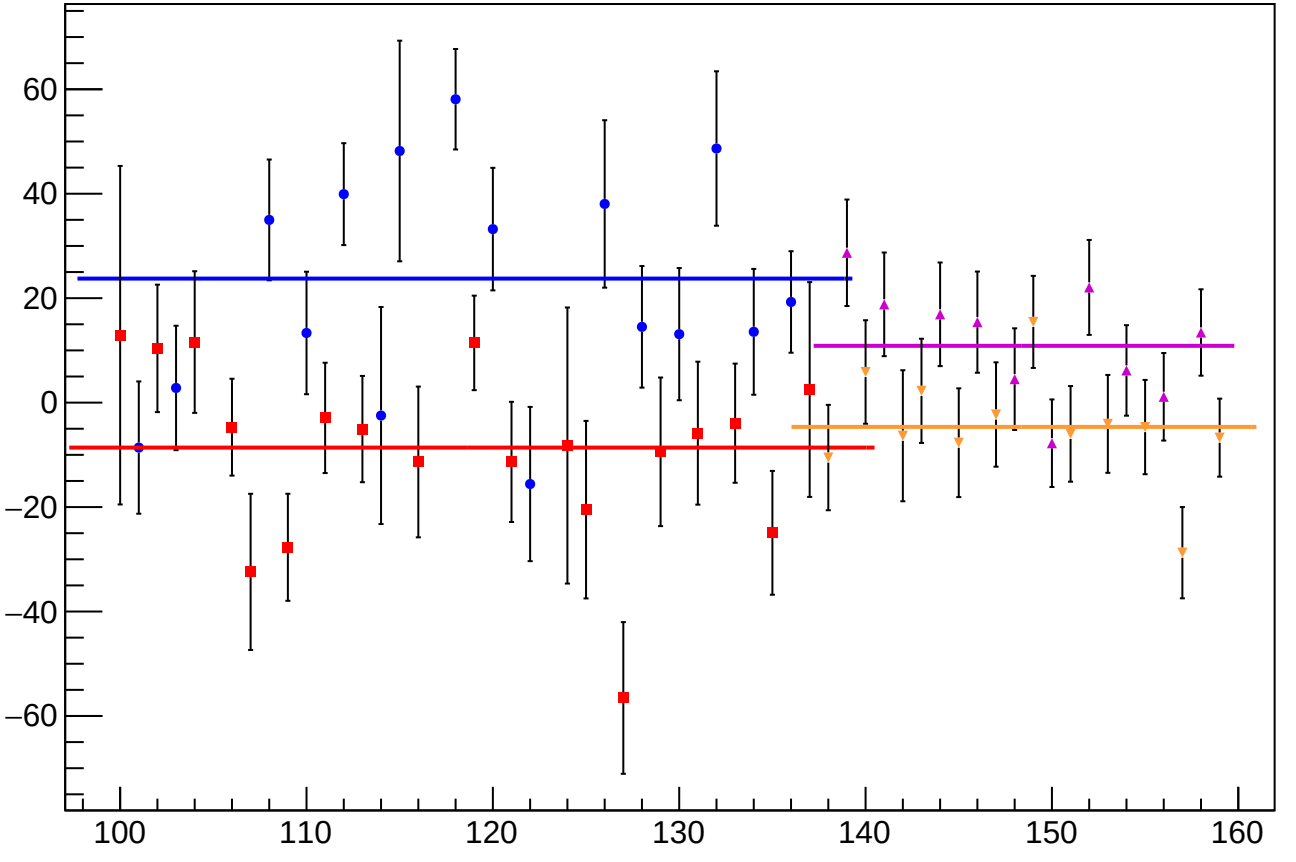
Left In: 1211.420+/-0.298 χ^2/NDF:641455.2/9

+ sign 1200.910+/-0.211 χ^2/NDF: 809956.4/27

All: 1209.731+/-0.151 χ^2/NDF: 1538796.2/56

- sign 1219.114+/-0.217 χ^2/NDF: 725220.7/28

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

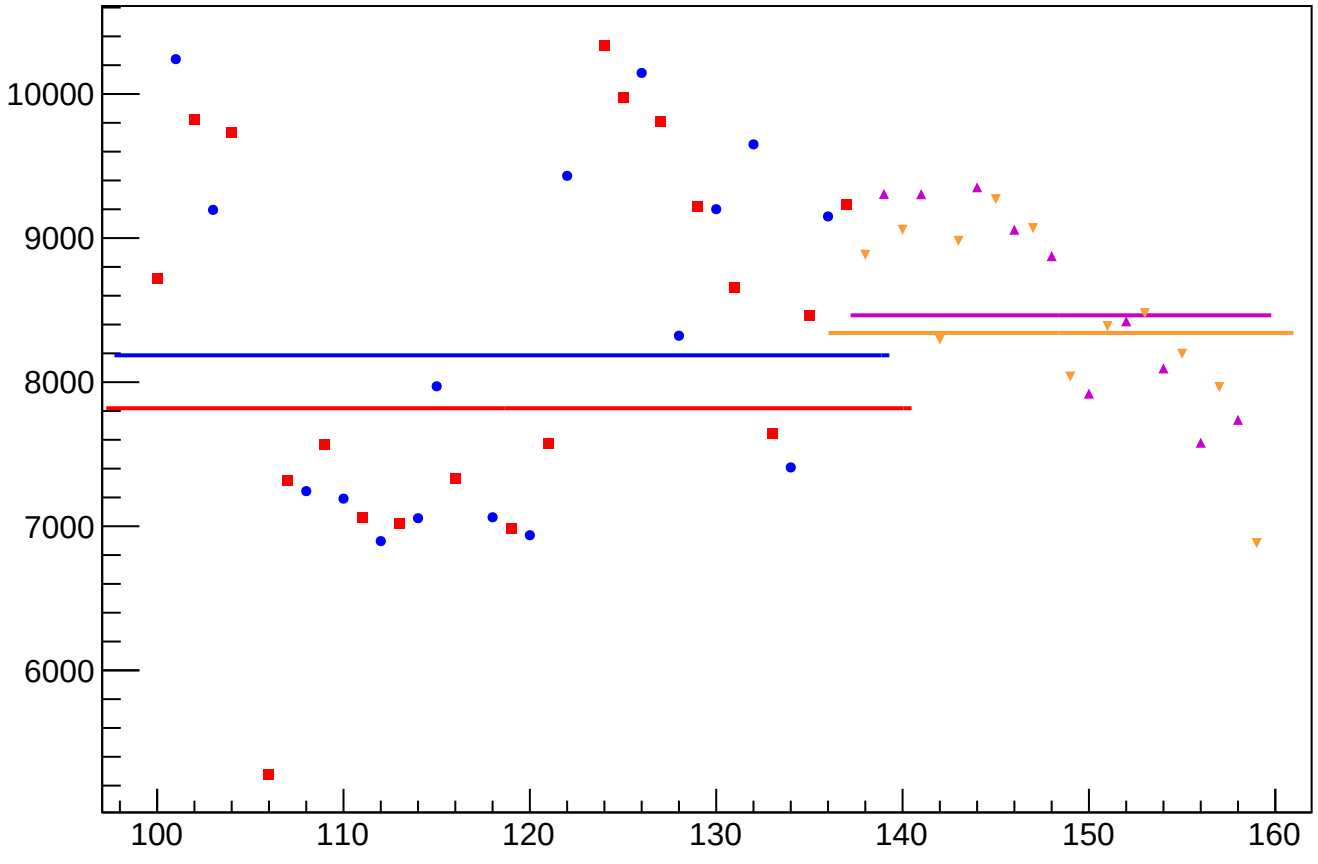
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.877+/-2.891 χ^2/NDF:12.9/9

+ sign 7.791+/-2.039 χ^2/NDF: 106.2/27

All: 4.489+/-1.445 χ^2/NDF: 177.5/56

- sign 1.161+/-2.047 χ^2/NDF: 66.0/28



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8341.785+/-1.924 χ^2/NDF:134253.1/11

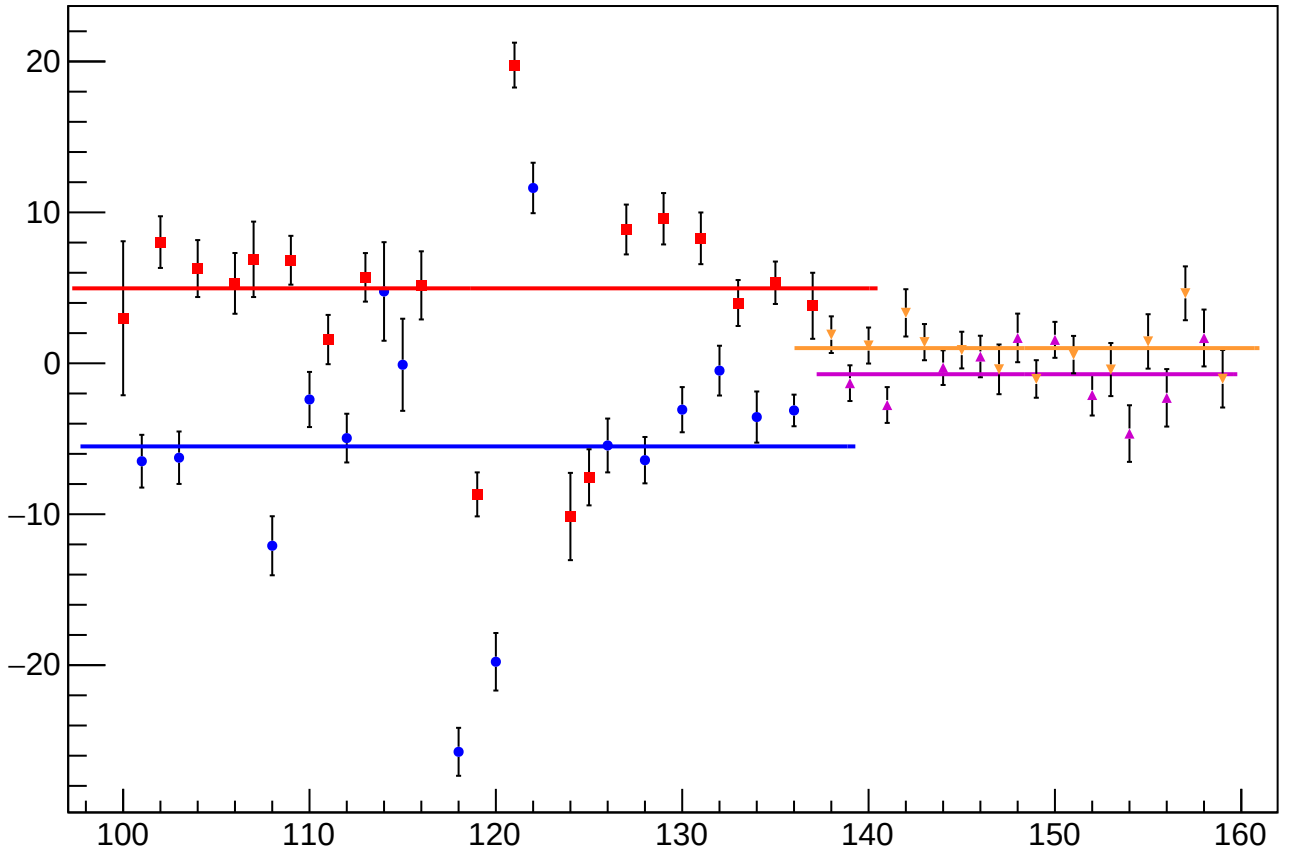
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8464.157+/-2.044 χ^2/NDF:104861.5/9

+ sign 8273.709+/-1.442 χ^2/NDF: 427741.4/27

All: 8208.336+/-1.022 χ^2/NDF: 1009397.5/56

- sign 8142.467+/-1.447 χ^2/NDF: 577530.0/28



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

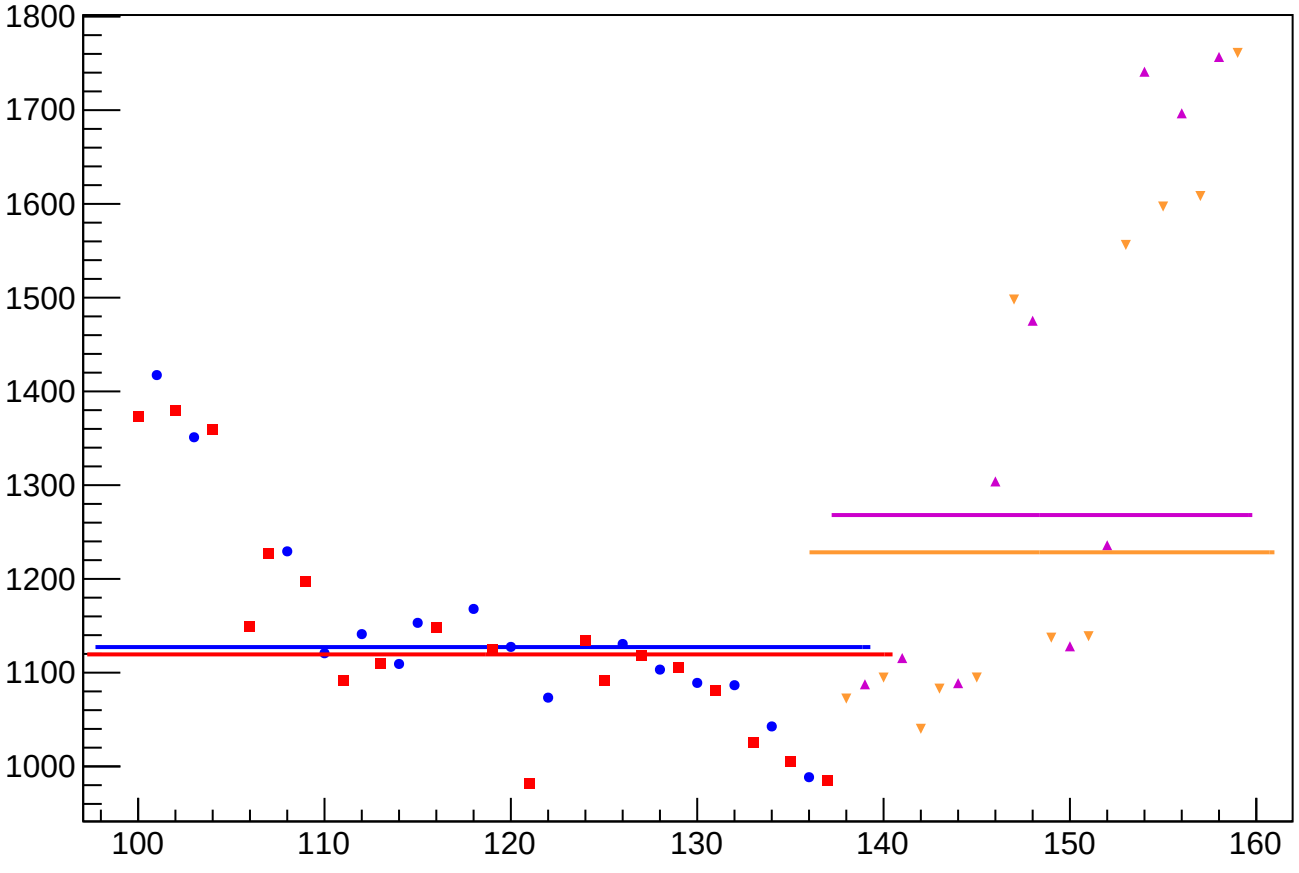
Left In: -0.723+/-0.439 χ^2/NDF:17.7/9

+ sign -2.138+/-0.292 χ^2/NDF: 506.1/27

All: 0.033+/-0.209 χ^2/NDF: 1013.7/56

- sign 2.316+/-0.300 χ^2/NDF: 394.6/28

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

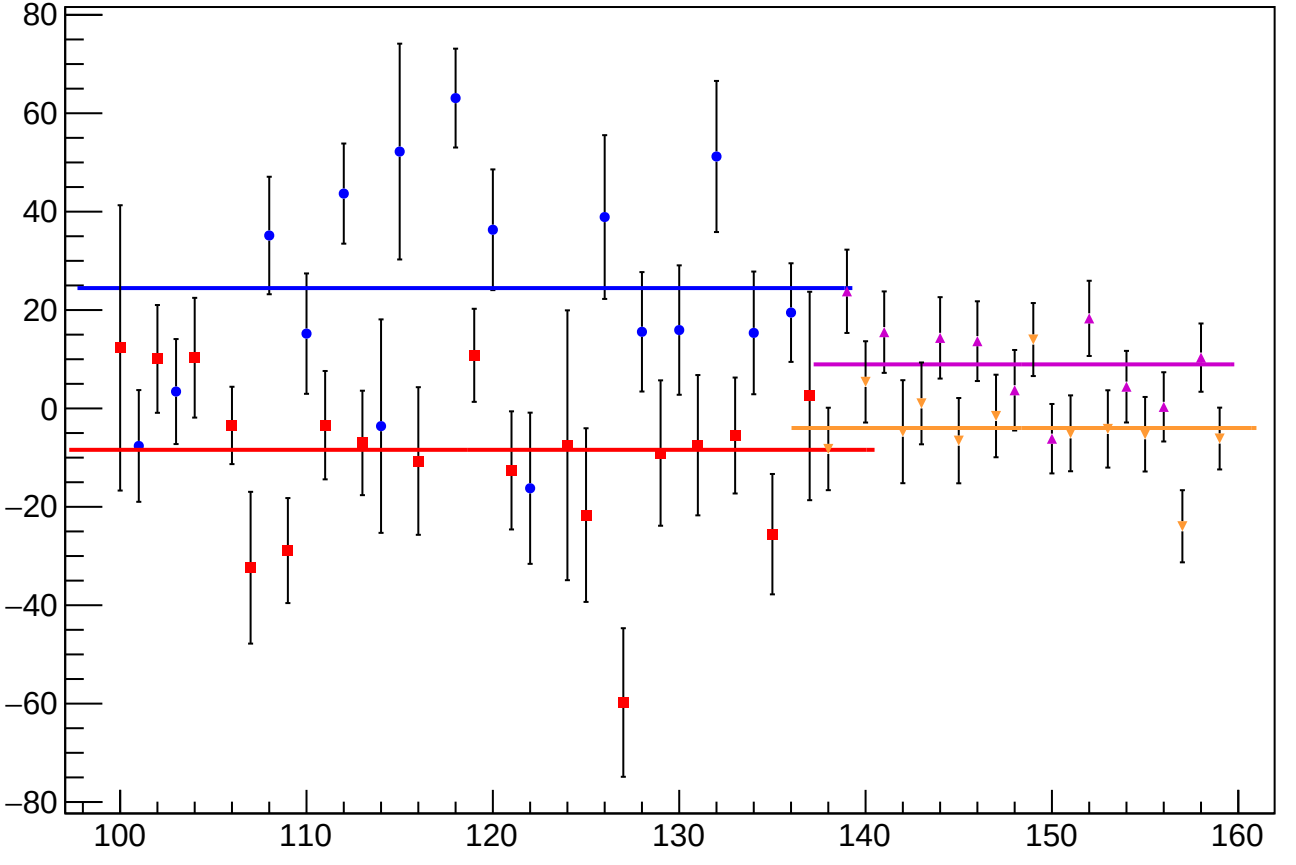
Left In: 1268.116+/-0.311 χ^2/NDF:554494.2/9

+ sign 1179.562+/-0.207 χ^2/NDF: 815812.8/27

All: 1184.035+/-0.148 χ^2/NDF: 1634293.9/56

- sign 1188.737+/-0.212 χ^2/NDF: 817521.6/28

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

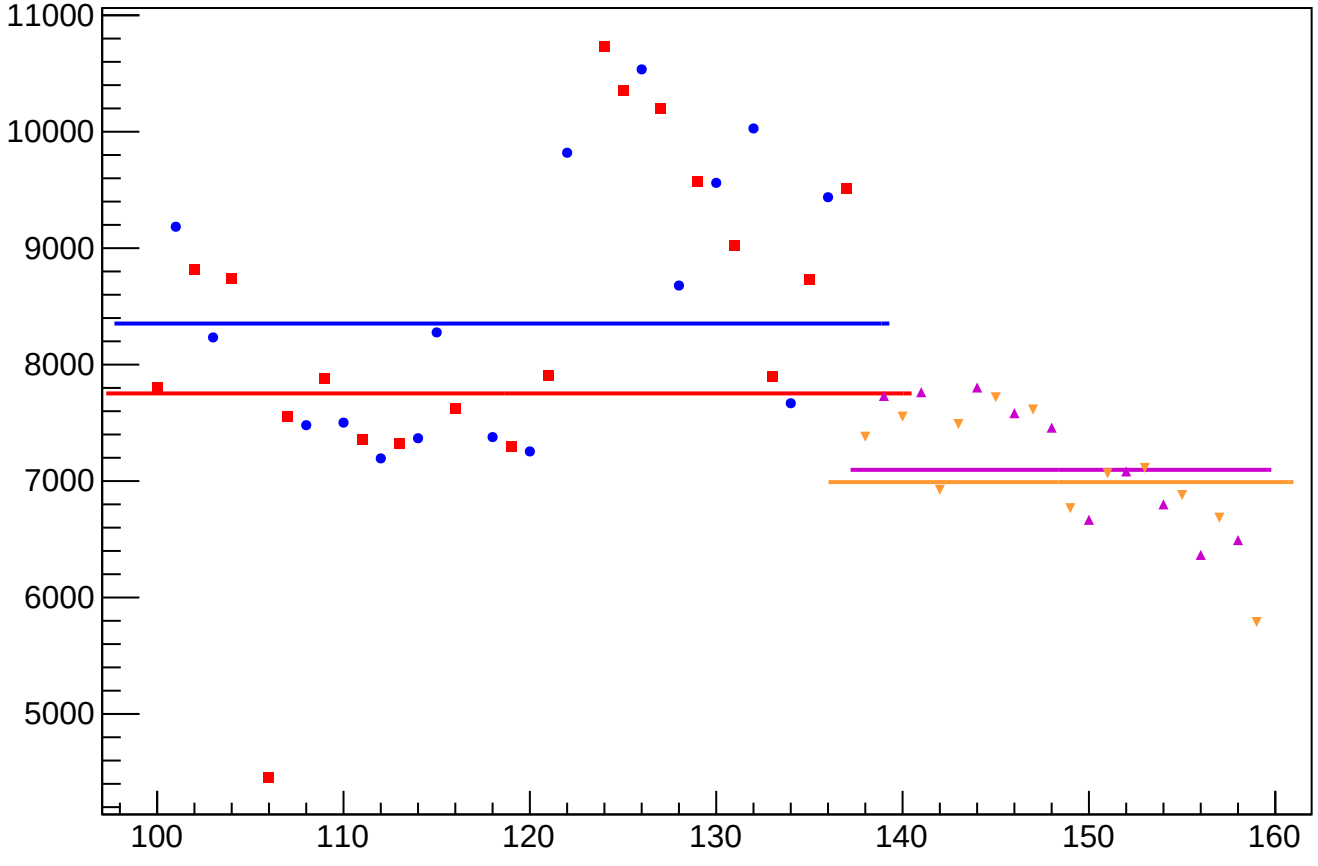
Left In: 8.956+/-2.423 χ^2/NDF:12.9/9

+ sign 5.853+/-1.844 χ^2/NDF: 117.7/27

All: 3.836+/-1.308 χ^2/NDF: 185.3/56

- sign 1.789+/-1.857 χ^2/NDF: 65.2/28

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

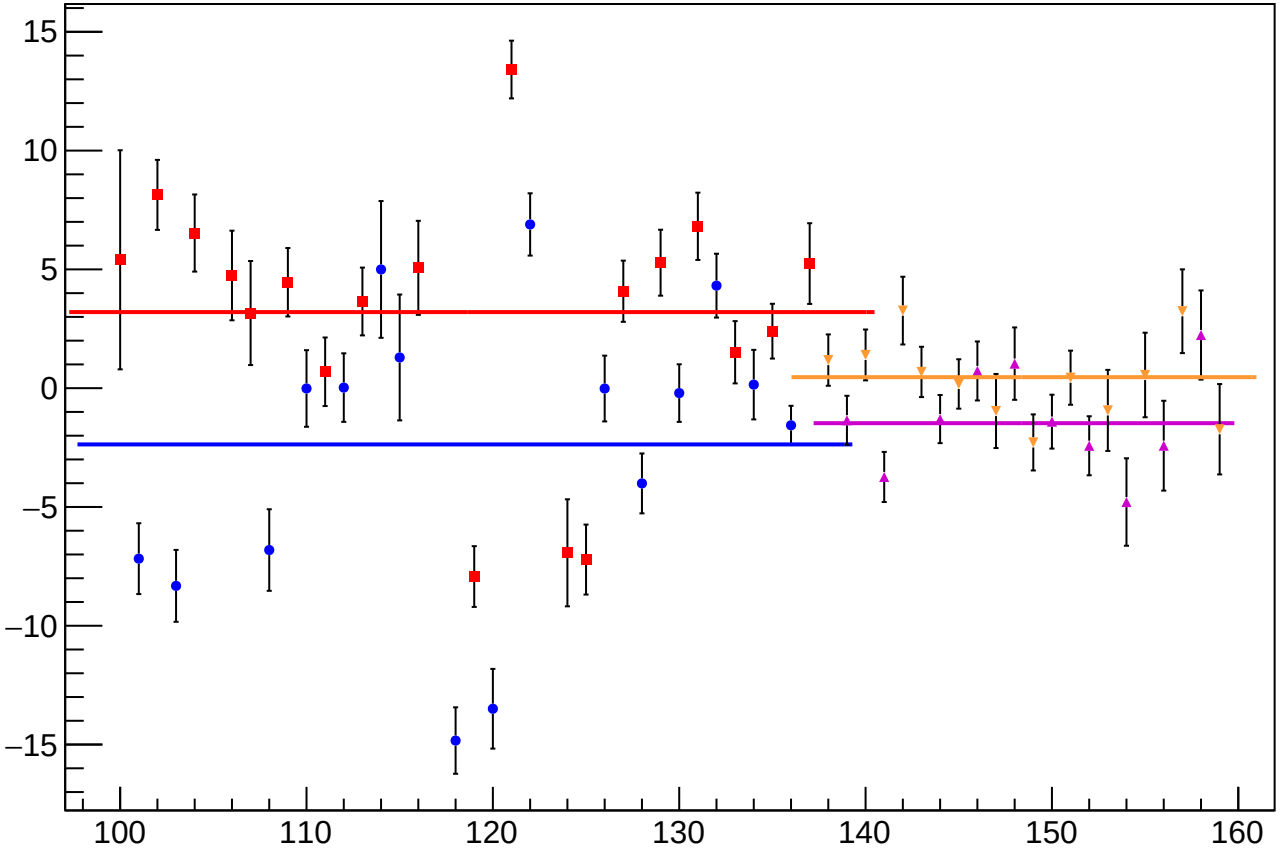
Left In: 7096.495+/-1.713 χ^2/NDF:97322.9/9

+ sign 7461.807+/-1.304 χ^2/NDF: 592642.5/27

All: 7414.862+/-0.925 χ^2/NDF: 1341172.8/56

- sign 7367.239+/-1.313 χ^2/NDF: 745918.3/28

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

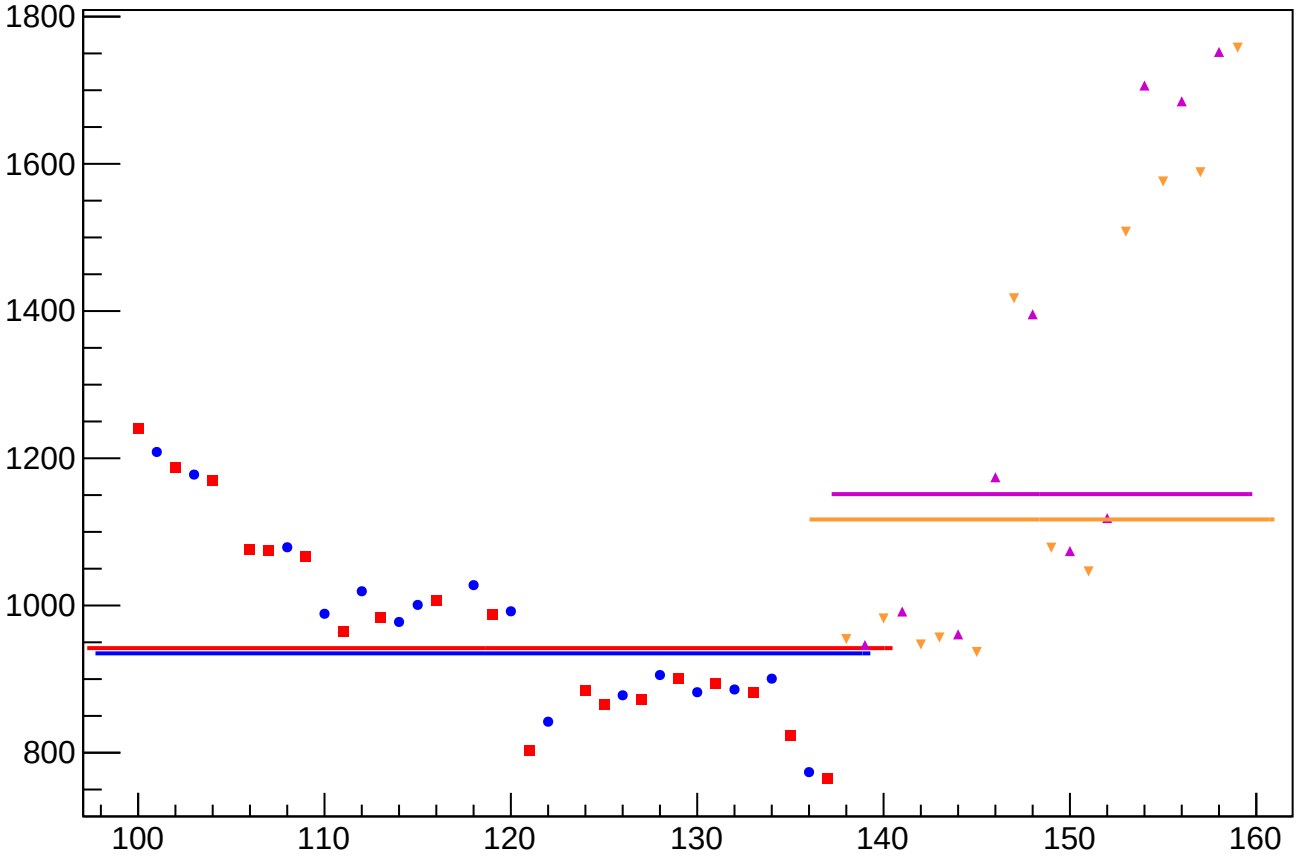
Left In: -1.474+/-0.402 χ^2/NDF:18.5/9

\+ sign -1.039+/-0.255 χ^2/NDF: 302.1/27

All: 0.055+/-0.183 χ^2/NDF: 686.5/56

\- sign 1.211+/-0.262 χ^2/NDF: 346.6/28

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

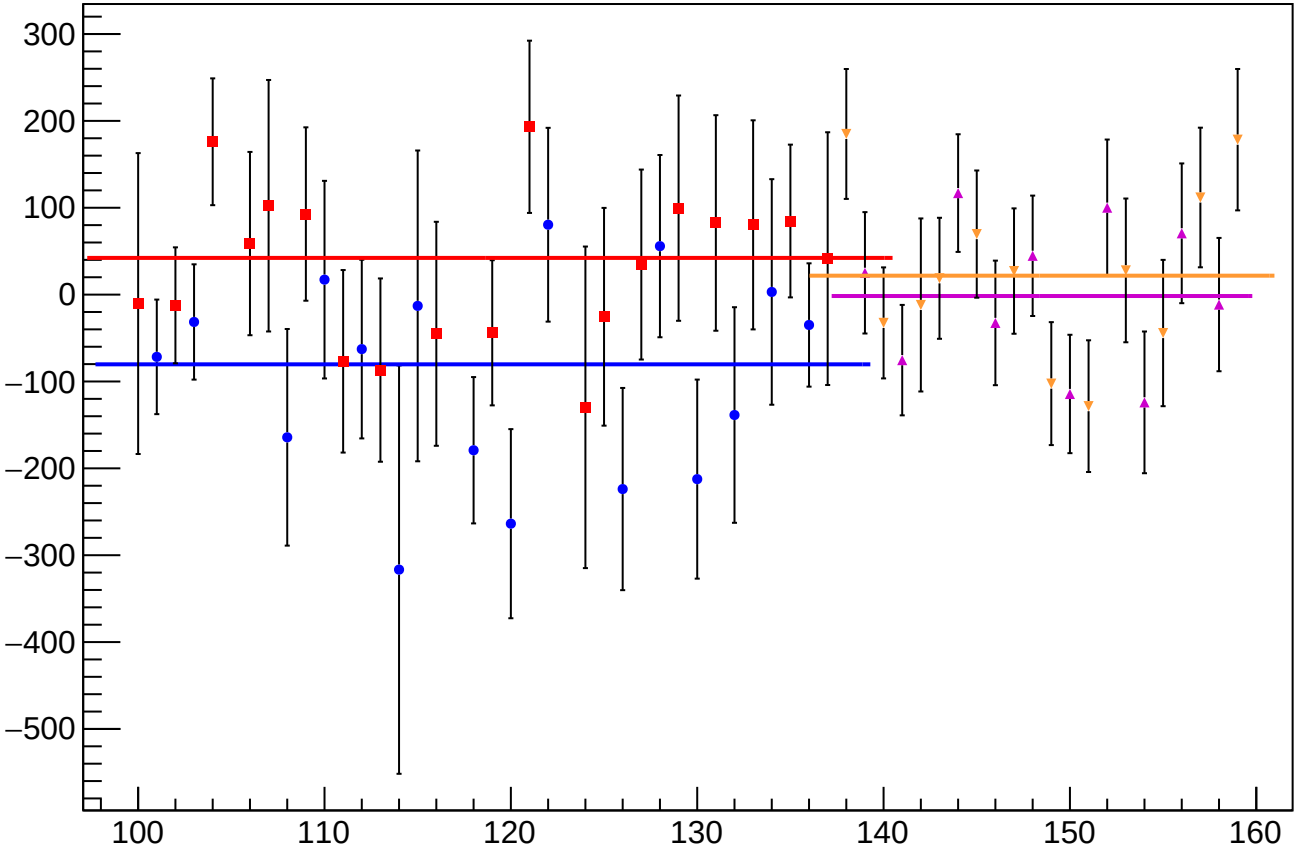
Left In: 1151.312+/-0.284 χ^2/NDF:804824.5/9

+ sign 1020.323+/-0.181 χ^2/NDF: 1410769.2/27

All: 1025.605+/-0.129 χ^2/NDF: 2760537.8/56

- sign 1031.186+/-0.186 χ^2/NDF: 1348008.2/28

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

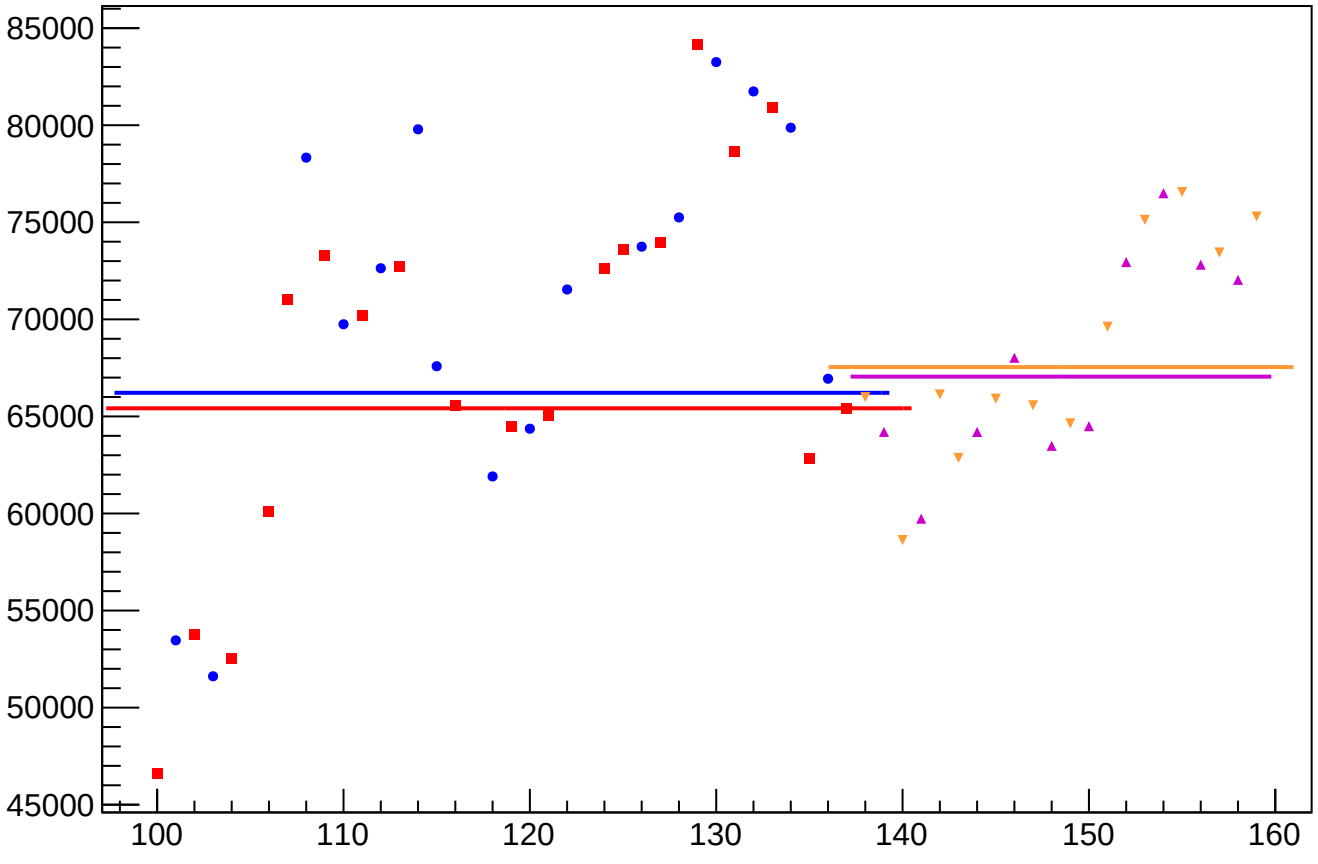
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -1.610+/-22.789 χ^2/NDF:12.7/9

+ sign -22.803+/-16.468 χ^2/NDF: 42.9/27

All: -2.003+/-11.682 χ^2/NDF: 73.5/56

- sign 19.061+/-16.573 χ^2/NDF: 27.4/28



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

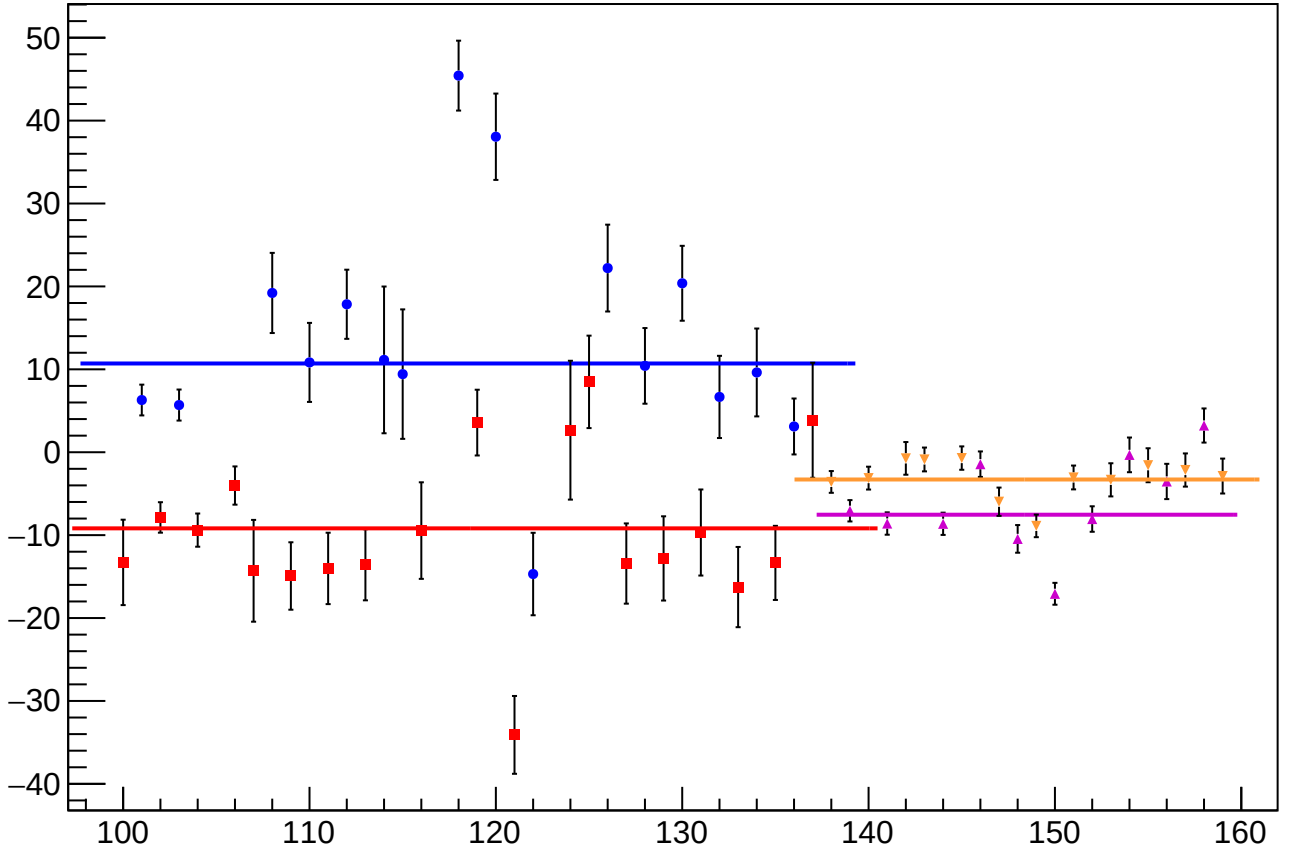
Left In: 67049.422+/-16.114 χ^2/NDF:98679.0/9

+ sign 66962.095+/-11.645 χ^2/NDF: 466723.0/27

All: 66623.720+/-8.260 χ^2/NDF: 876483.4/56

- sign 66281.042+/-11.719 χ^2/NDF: 408060.9/28

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

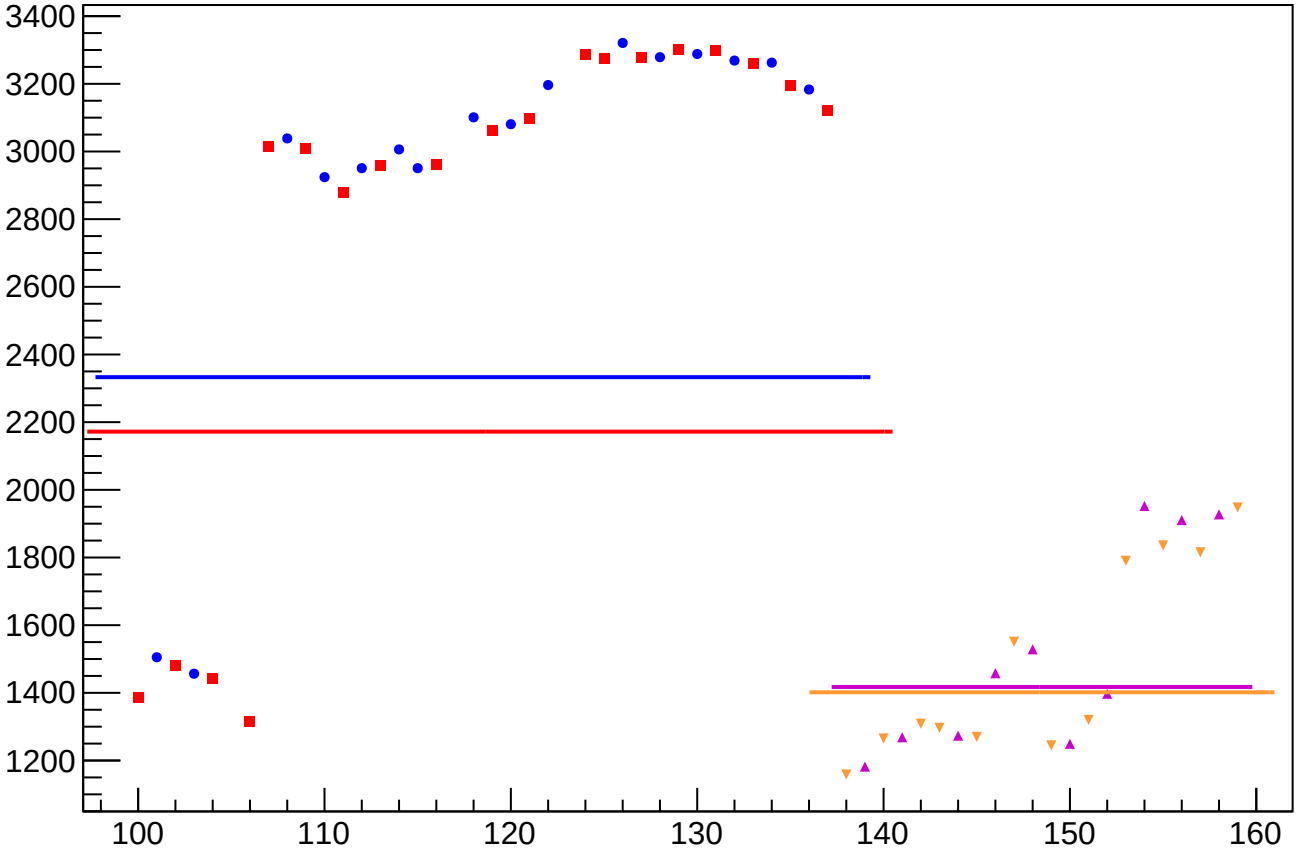
Left In: -7.537+/-0.489 χ^2/NDF:115.4/9

+ sign -0.472+/-0.413 χ^2/NDF: 368.5/27

All: -4.109+/-0.296 χ^2/NDF: 715.6/56

- sign -7.947+/-0.424 χ^2/NDF: 187.7/28

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

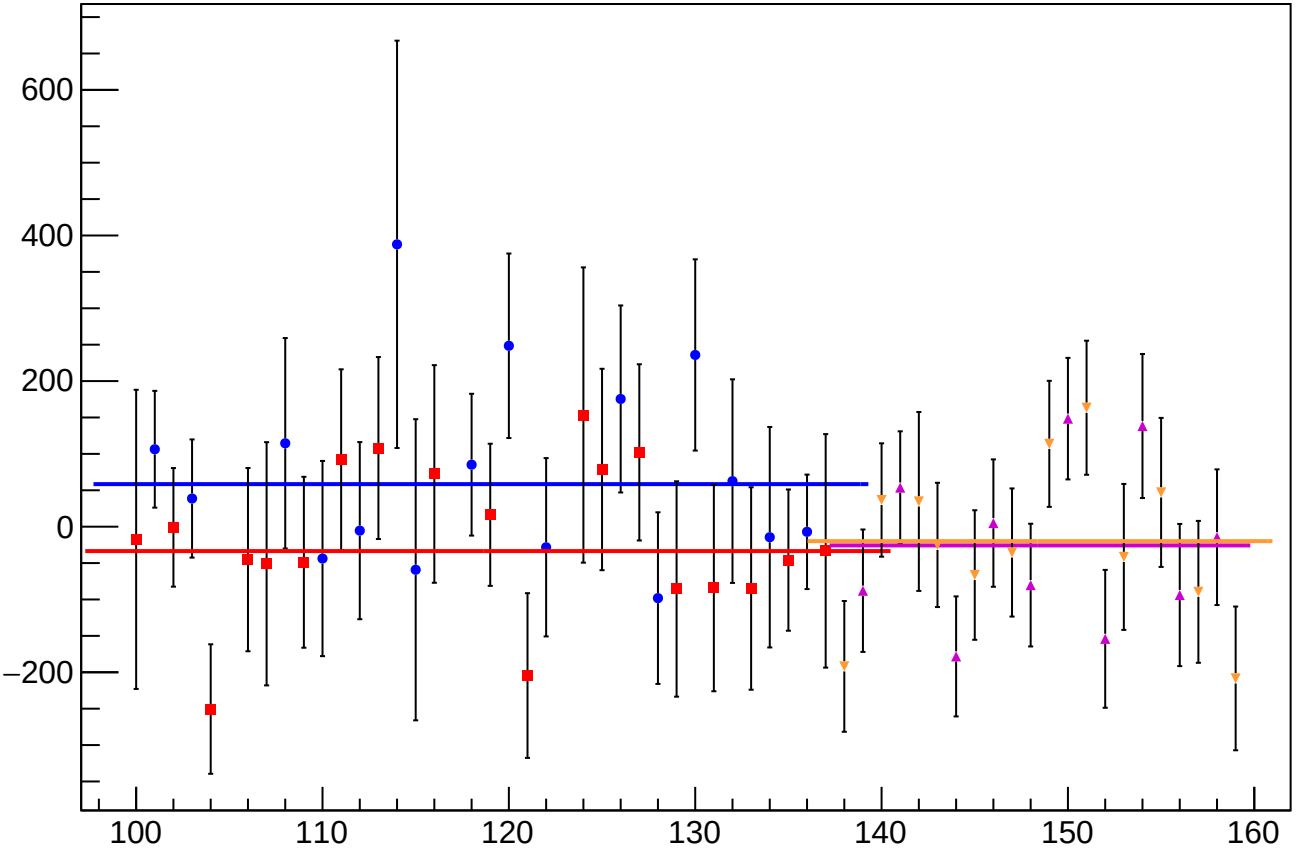
Left In: 1417.354+/-0.346 χ^2/NDF:518295.7/9

+ sign 1589.107+/-0.292 χ^2/NDF: 3841089.9/27

All: 1596.965+/-0.209 χ^2/NDF: 7528770.1/56

- sign 1605.255+/-0.300 χ^2/NDF: 3686192.4/28

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -19.866+/-26.708 χ^2/NDF:15.7/11

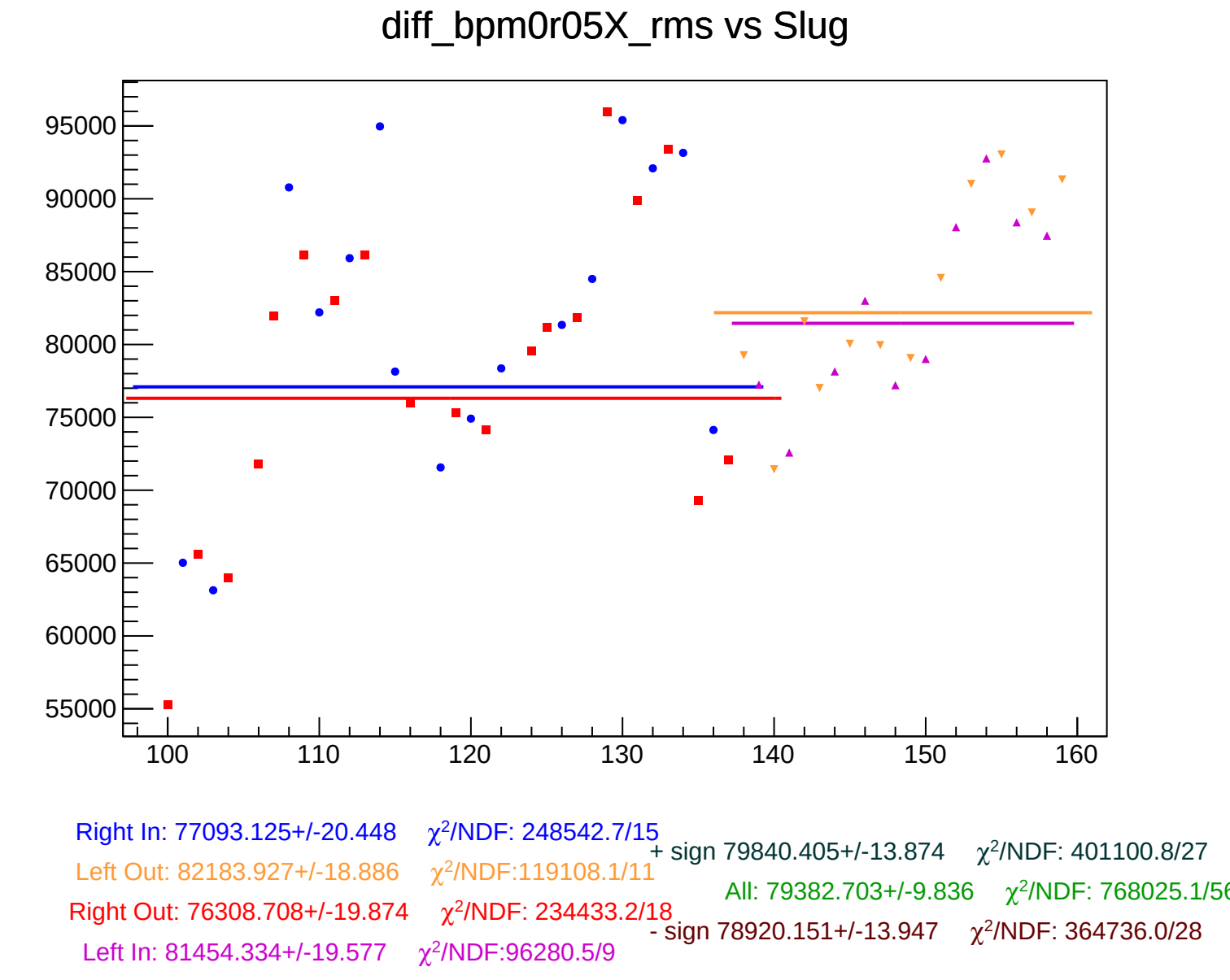
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -25.740+/-27.687 χ^2/NDF:15.0/9

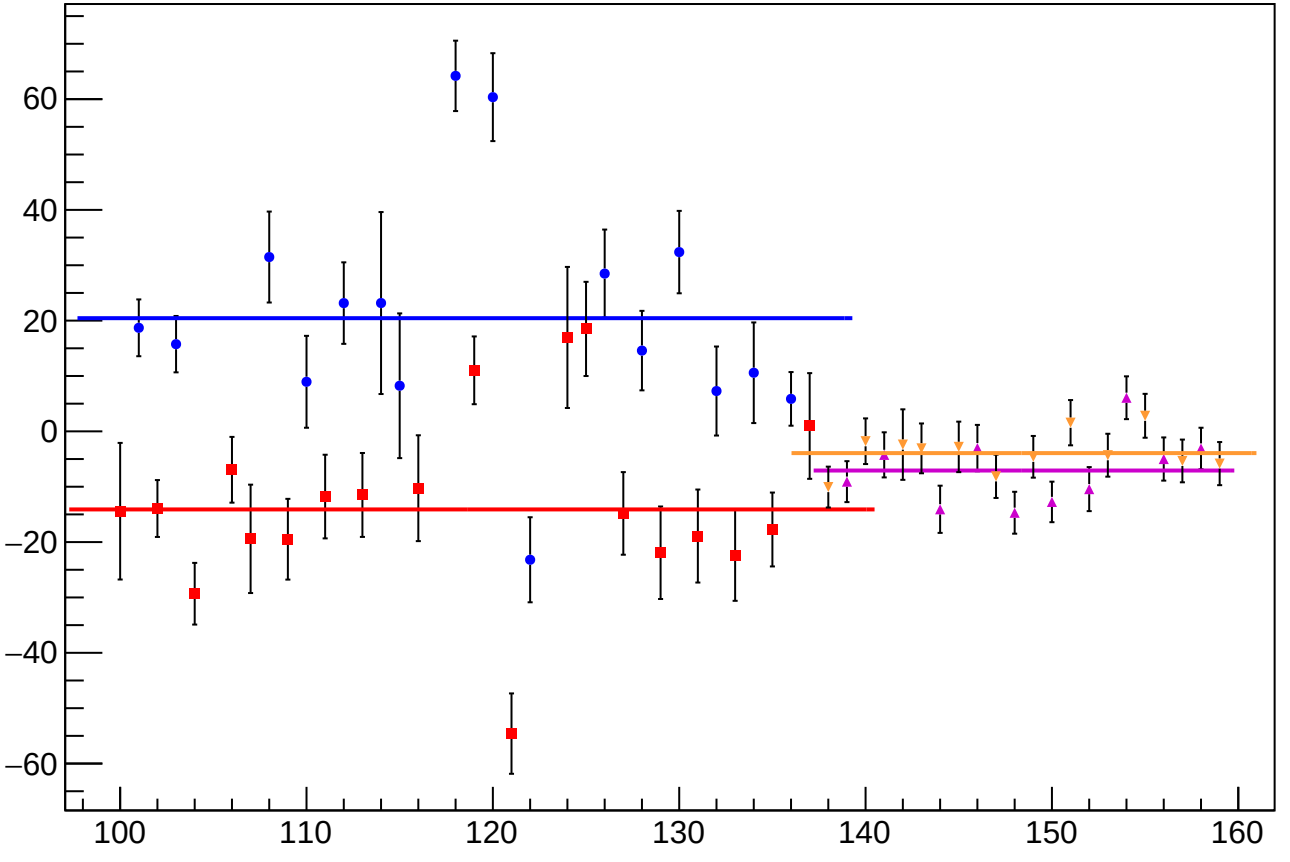
+ sign 16.185+/-19.620 χ^2/NDF: 30.9/27

All: -6.573+/-13.910 χ^2/NDF: 63.4/56

- sign -29.572+/-19.724 χ^2/NDF: 29.7/28


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: 81454.334+/-19.577 χ²/NDF:96280.5/9
+ sign 79840.405+/-13.874 χ²/NDF: 401100.8/27
All: 79382.703+/-9.836 χ²/NDF: 768025.1/56
- sign 78920.151+/-13.947 χ²/NDF: 364736.0/28

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

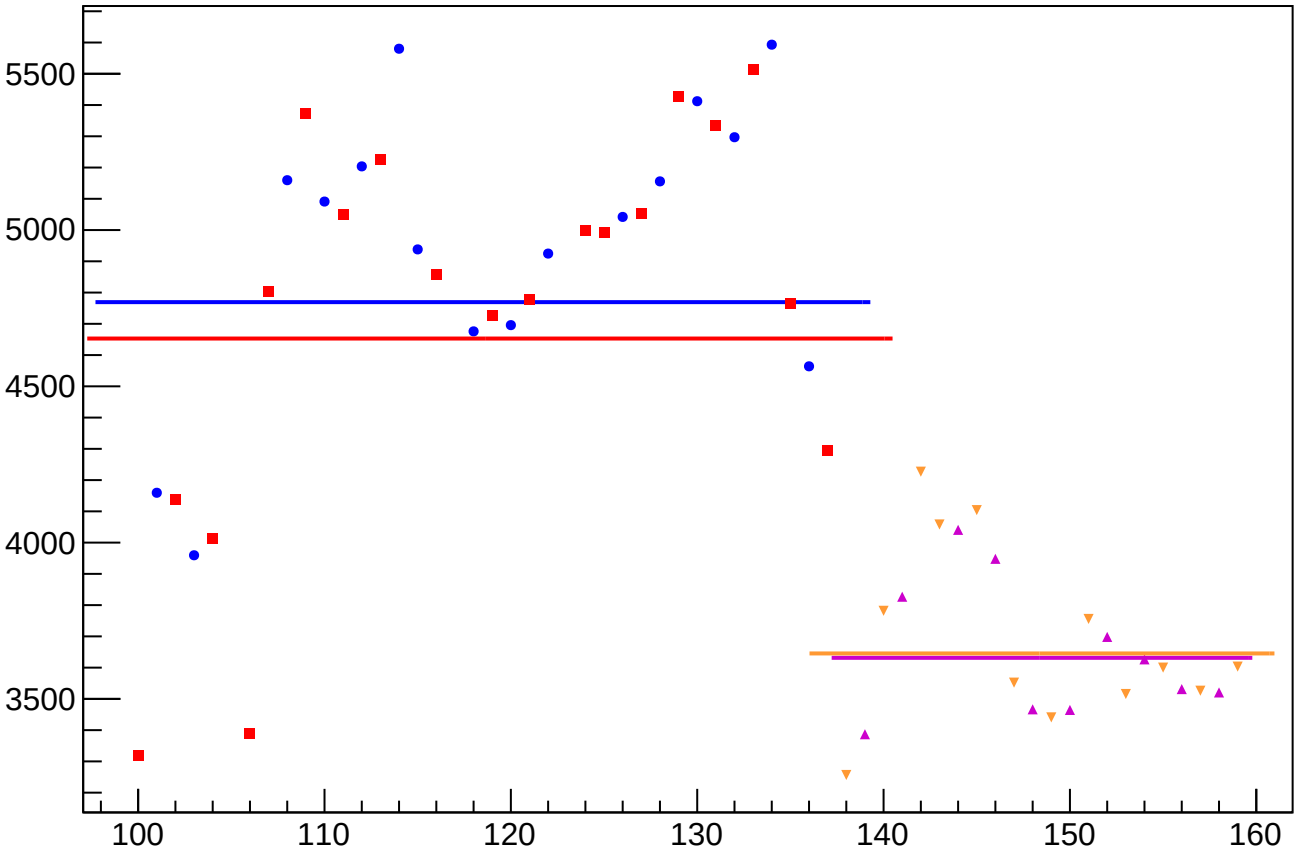
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -7.075+/-1.234 χ^2/NDF:24.6/9

+ sign 3.534+/-0.986 χ^2/NDF: 267.0/27

All: -2.871+/-0.703 χ^2/NDF: 472.1/56

- sign -9.474+/-1.001 χ^2/NDF: 119.4/28



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

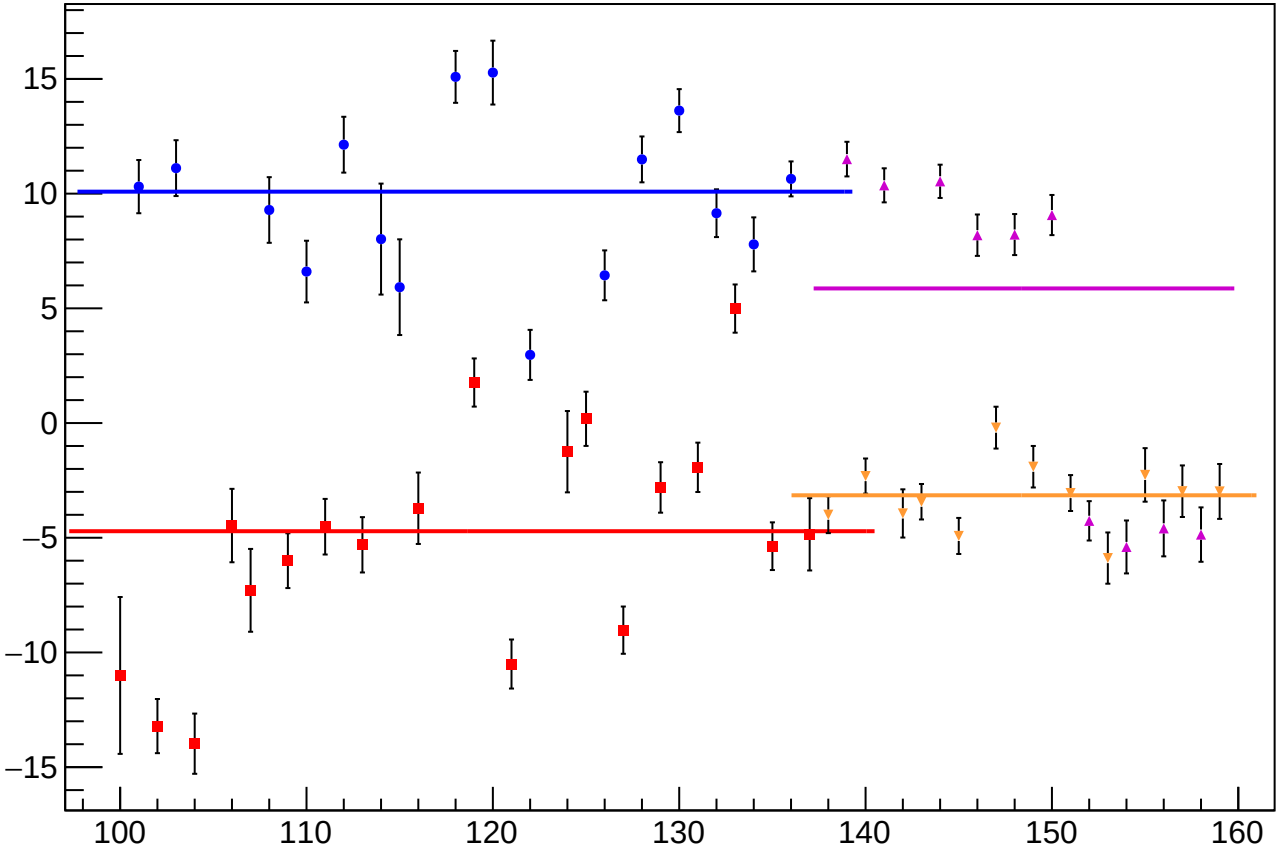
Left In: 3631.405+/-0.872 χ^2/NDF:54823.4/9

+ sign 3989.549+/-0.697 χ^2/NDF: 795022.4/27

All: 3984.929+/-0.497 χ^2/NDF: 1583140.1/56

- sign 3980.165+/-0.708 χ^2/NDF: 788028.5/28

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

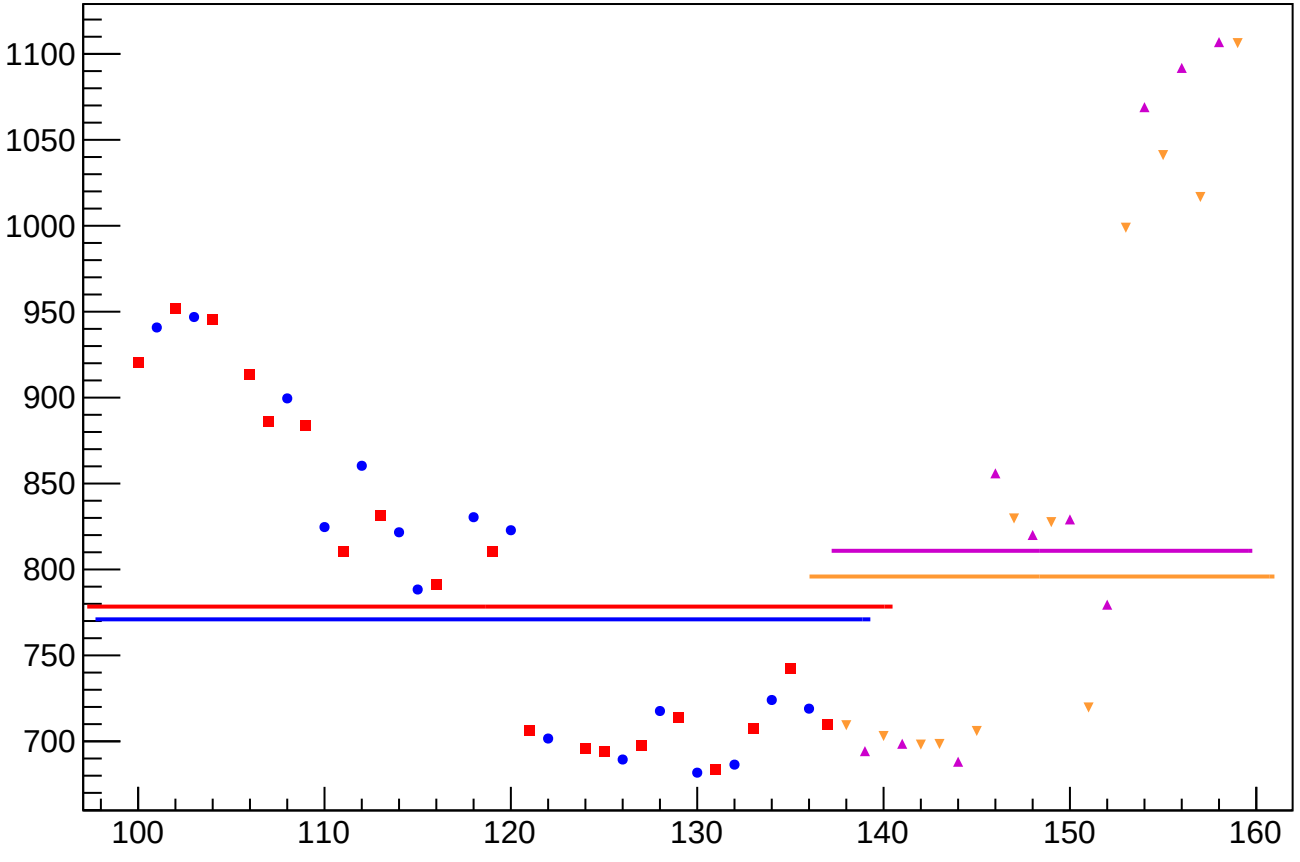
Left In: 5.867+/-0.280 χ^2/NDF:551.1/9

+ sign 2.845+/-0.194 χ^2/NDF: 1303.6/27

All: 1.796+/-0.139 χ^2/NDF: 2924.6/56

- sign 0.683+/-0.200 χ^2/NDF: 1560.8/28

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

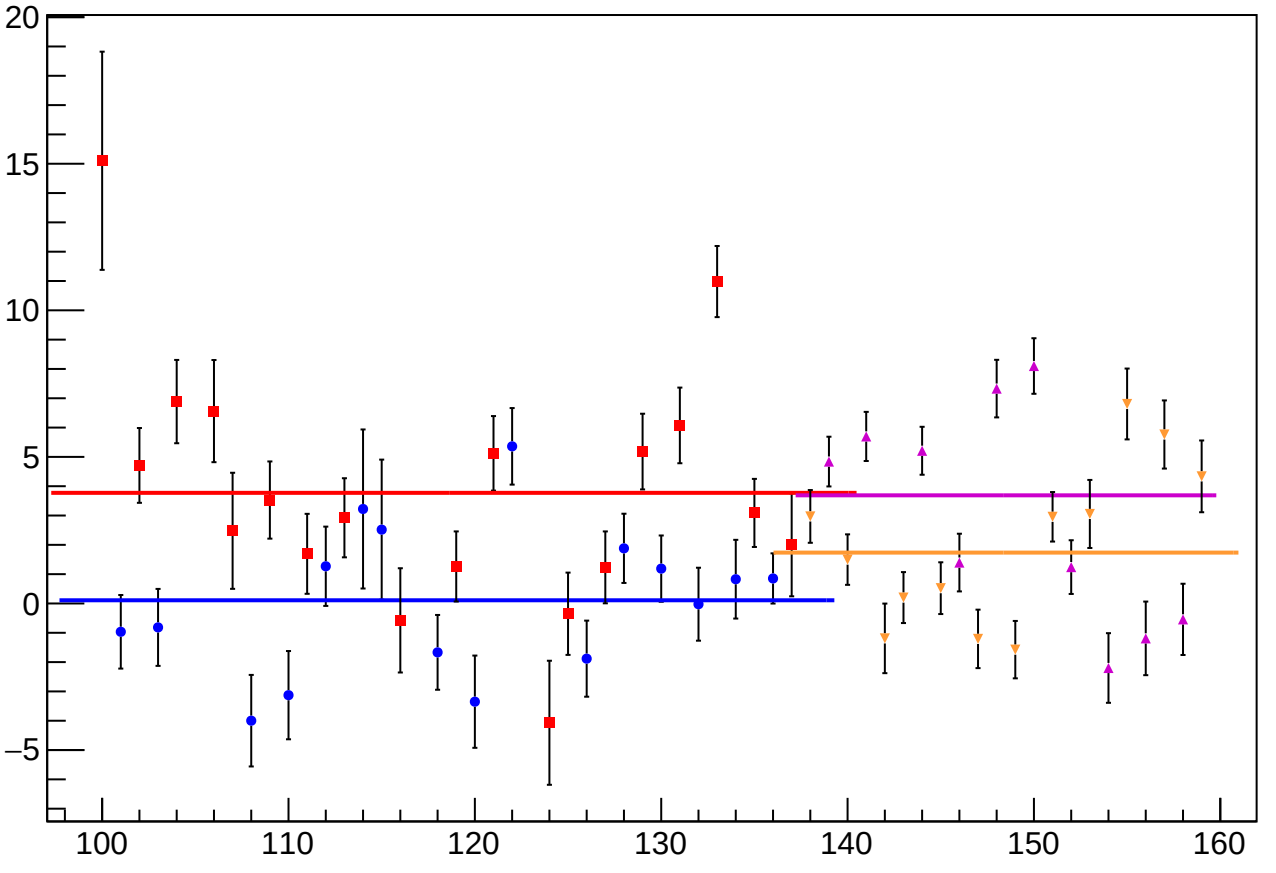
Left In: 810.859+/-0.198 χ^2/NDF:490517.1/9

+ sign 784.611+/-0.137 χ^2/NDF: 719149.9/27

All: 789.626+/-0.098 χ^2/NDF: 1422132.3/56

- sign 794.953+/-0.141 χ^2/NDF: 700228.2/28

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

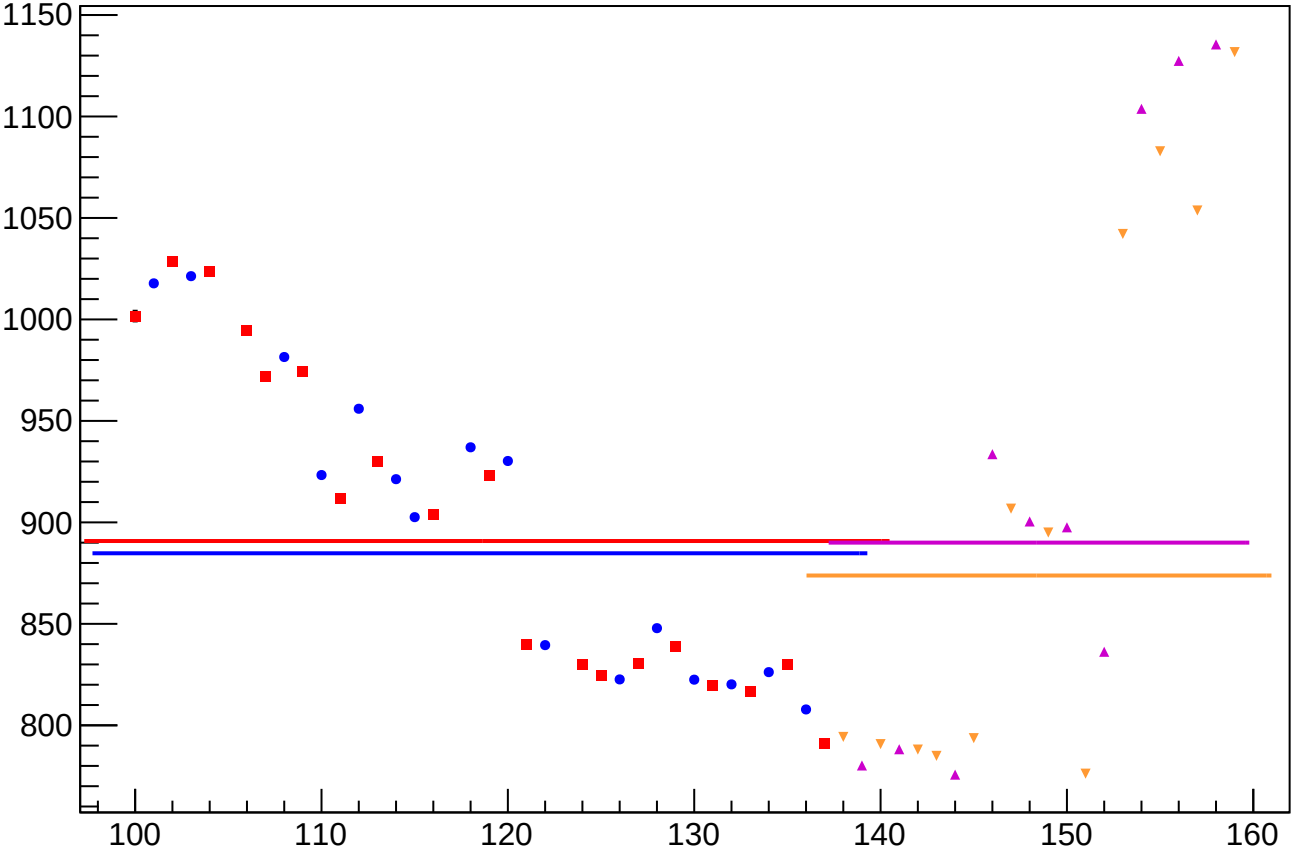
Left In: 3.689+/-0.306 χ^2/NDF:110.9/9

+ sign 1.036+/-0.216 χ^2/NDF: 129.9/27

All: 2.342+/-0.155 χ^2/NDF: 415.5/56

- sign 3.729+/-0.223 χ^2/NDF: 210.5/28

diff_bpm2i01Y_rms vs Slug



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

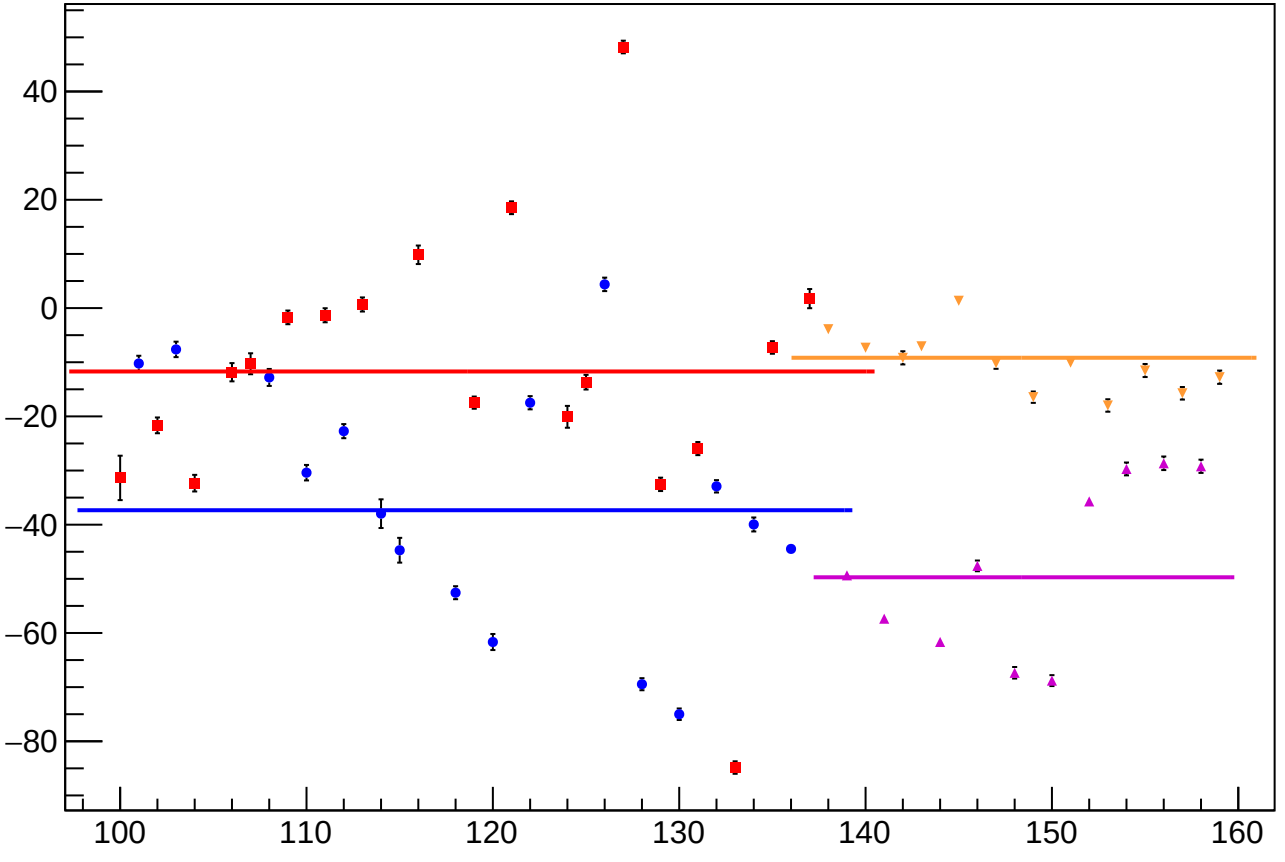
Left In: 890.021+/-0.216 χ^2/NDF:331272.1/9

\+ sign 878.527+/-0.153 χ^2/NDF: 456294.6/27

All: 884.279+/-0.110 χ^2/NDF: 898254.5/56

\- sign 890.393+/-0.158 χ^2/NDF: 439042.1/28

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

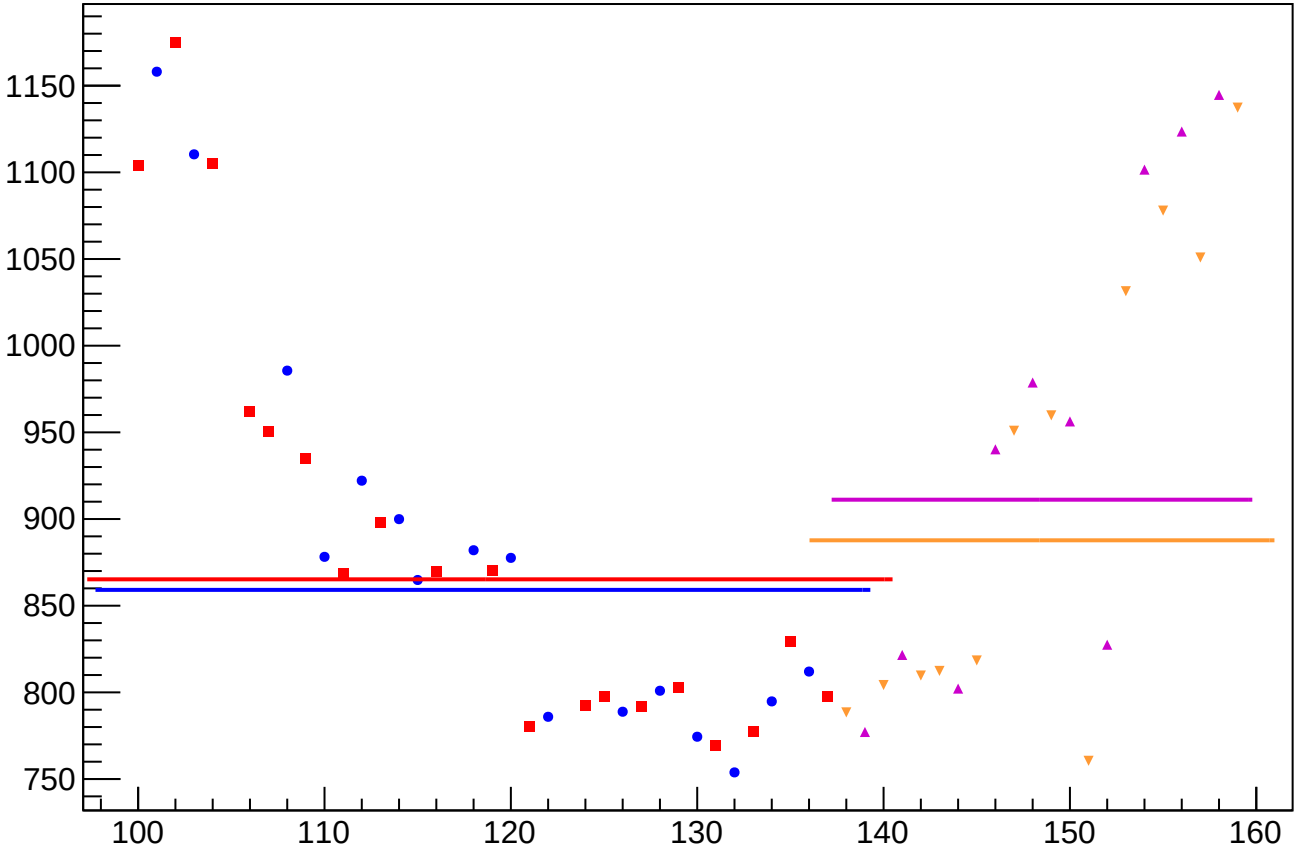
Left In: -49.714+/-0.313 χ^2/NDF:1995.8/9

+ sign -21.844+/-0.216 χ^2/NDF: 9729.2/27

All: -26.280+/-0.155 χ^2/NDF: 28323.1/56

- sign -31.015+/-0.223 χ^2/NDF: 17720.7/28

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

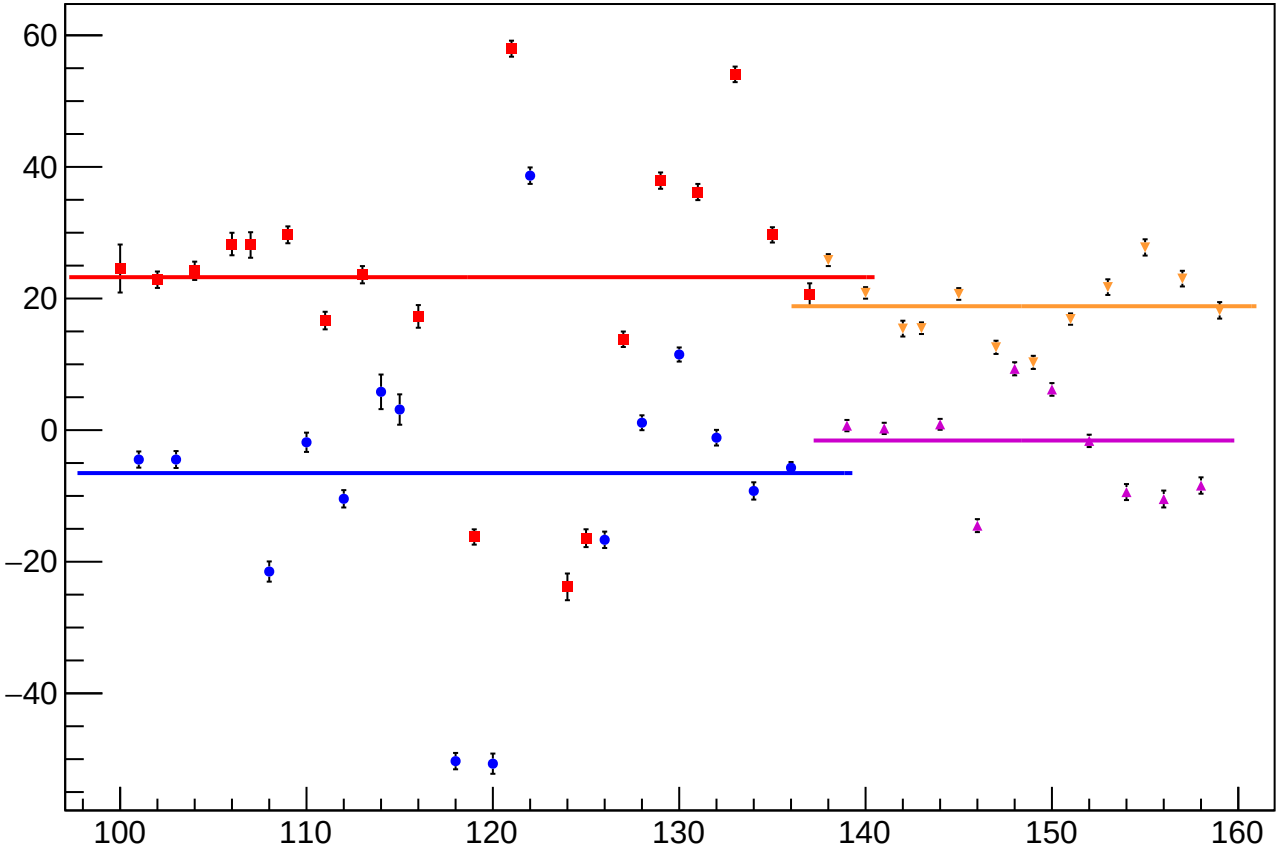
Left In: 911.151+/-0.221 χ^2/NDF:316936.2/9

+ sign 874.853+/-0.153 χ^2/NDF: 581020.5/27

All: 881.479+/-0.110 χ^2/NDF: 1146737.8/56

- sign 888.551+/-0.158 χ^2/NDF: 561820.7/28

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

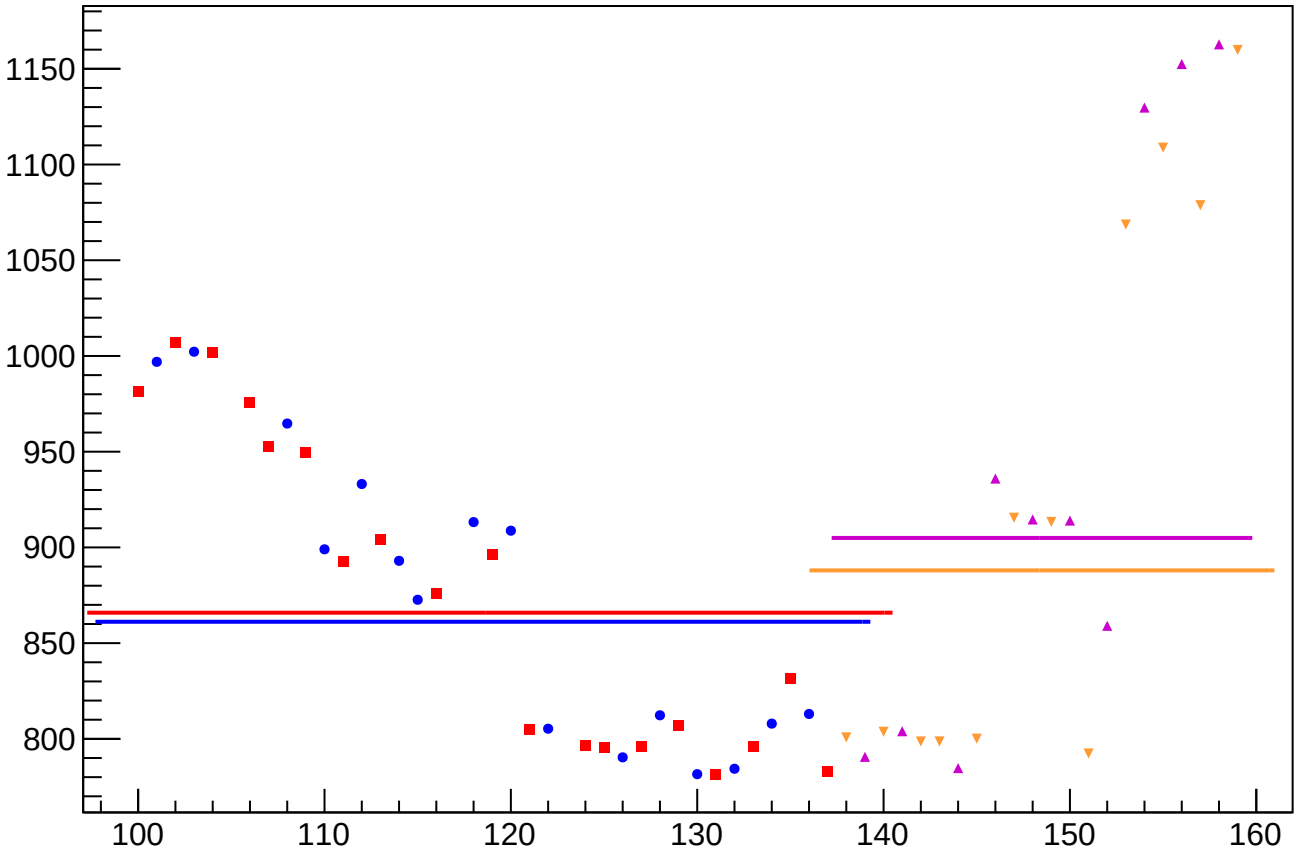
Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -1.578+/-0.311 χ^2/NDF:496.3/9

+ sign 7.388+/-0.216 χ^2/NDF: 7645.9/27

All: 8.942+/-0.155 χ^2/NDF: 15844.9/56

- sign 10.587+/-0.222 χ^2/NDF: 8092.2/28



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

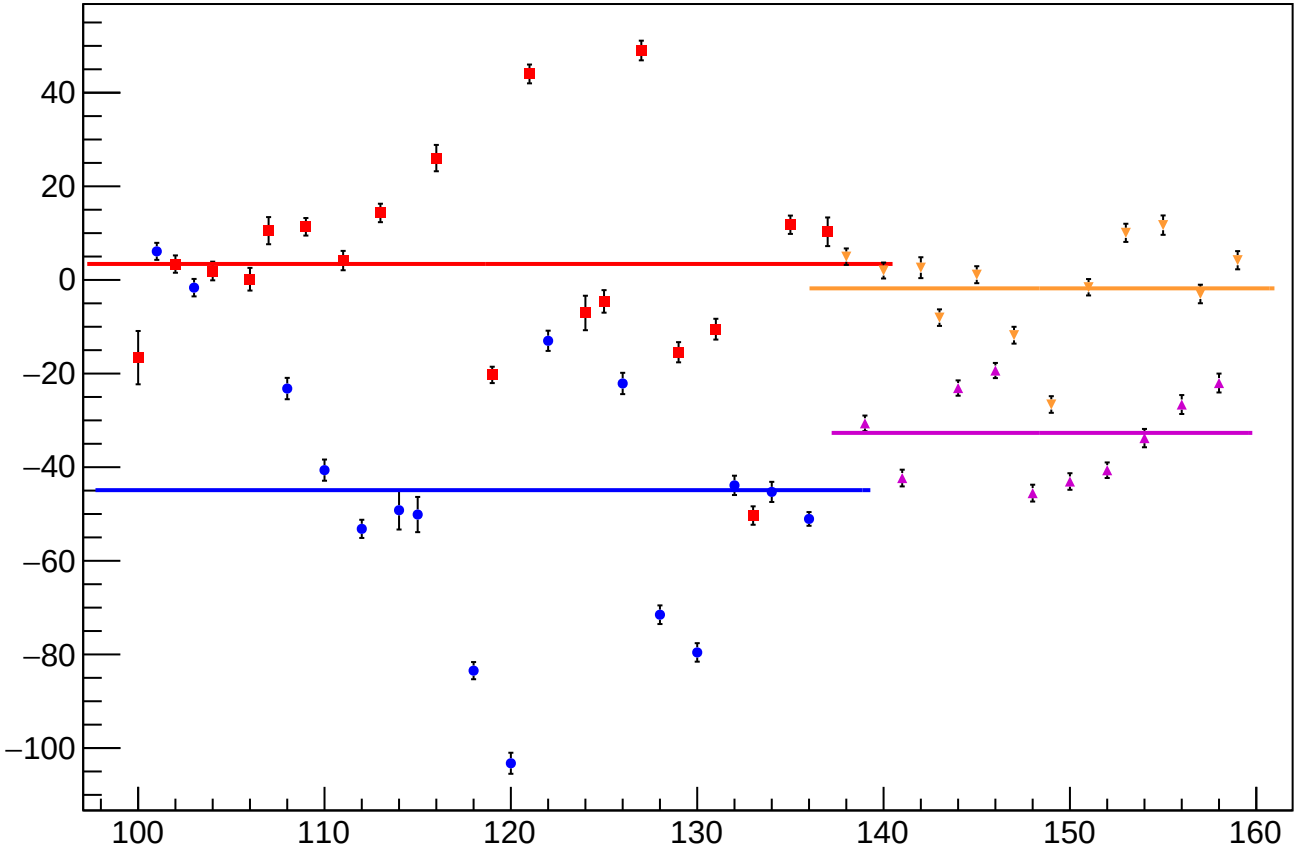
Left In: 904.952+/-0.220 χ^2/NDF:341491.4/9

+ sign 875.894+/-0.153 χ^2/NDF: 491844.1/27

All: 880.715+/-0.109 χ^2/NDF: 969278.6/56

- sign 885.817+/-0.157 χ^2/NDF: 475379.0/28

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

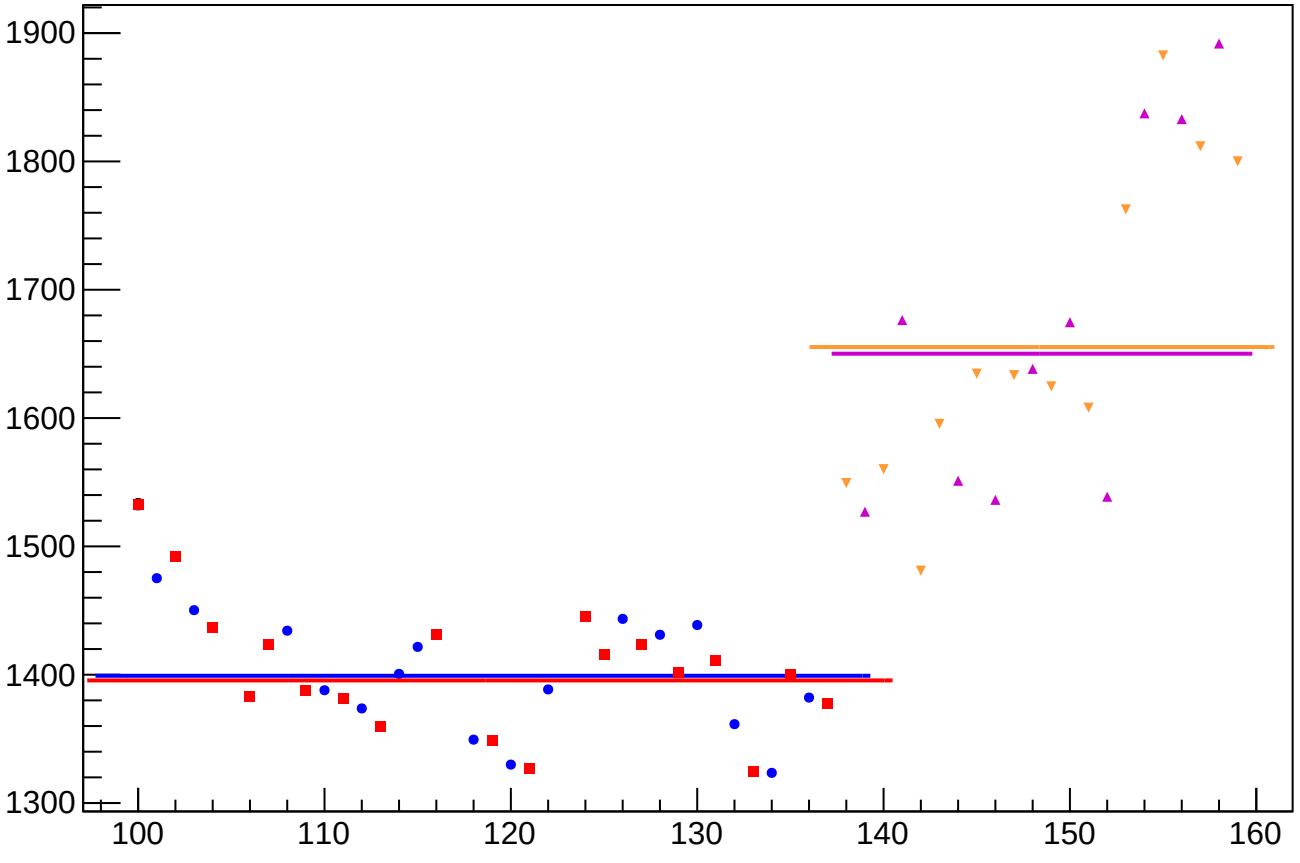
Left In: -32.674+/-0.562 χ^2/NDF:278.3/9

+ sign -24.057+/-0.374 χ^2/NDF: 7057.0/27

All: -18.515+/-0.265 χ^2/NDF: 12148.5/56

- sign -12.867+/-0.377 χ^2/NDF: 4647.2/28

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

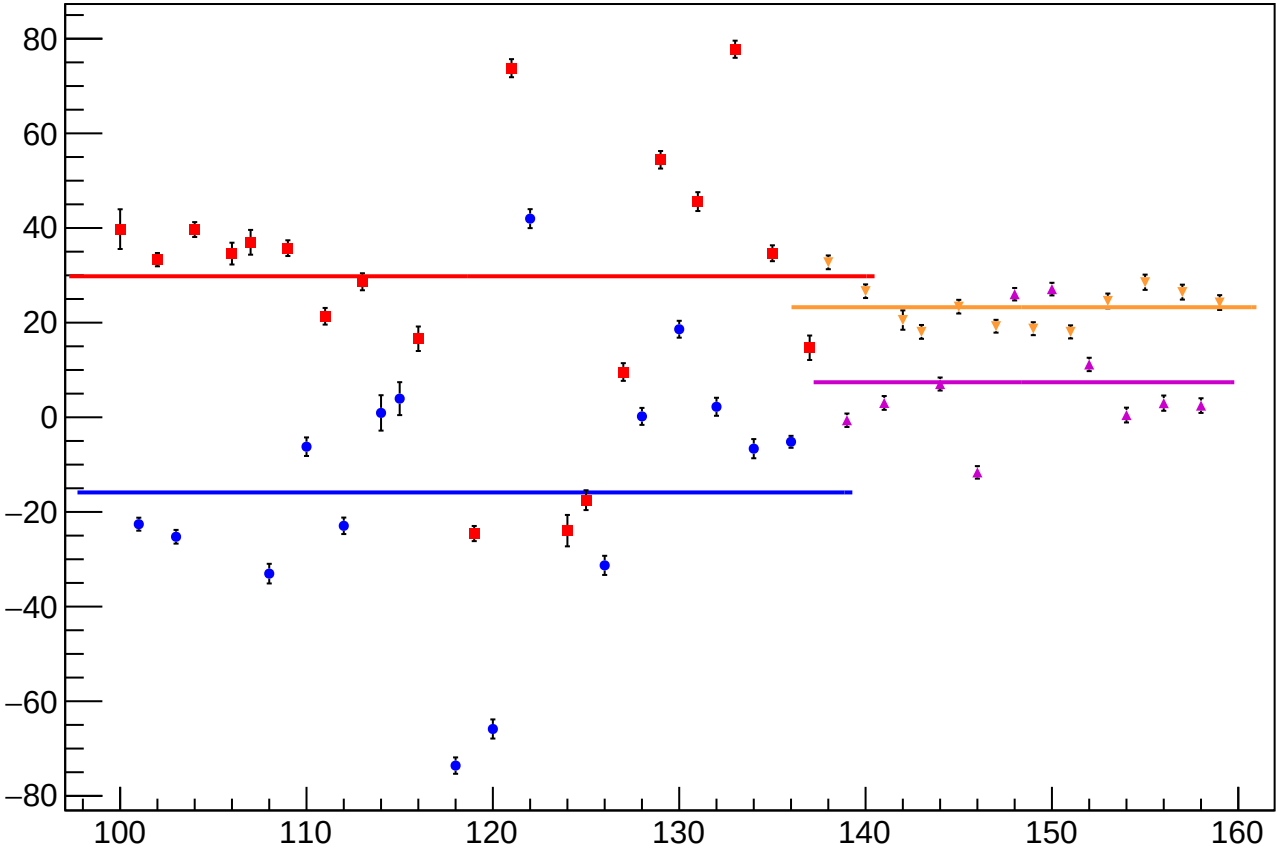
Left In: 1650.157+/-0.397 χ^2/NDF:101413.3/9

+ sign 1523.074+/-0.264 χ^2/NDF: 334137.3/27

All: 1516.808+/-0.188 χ^2/NDF: 678574.1/56

- sign 1510.420+/-0.267 χ^2/NDF: 343300.5/28

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

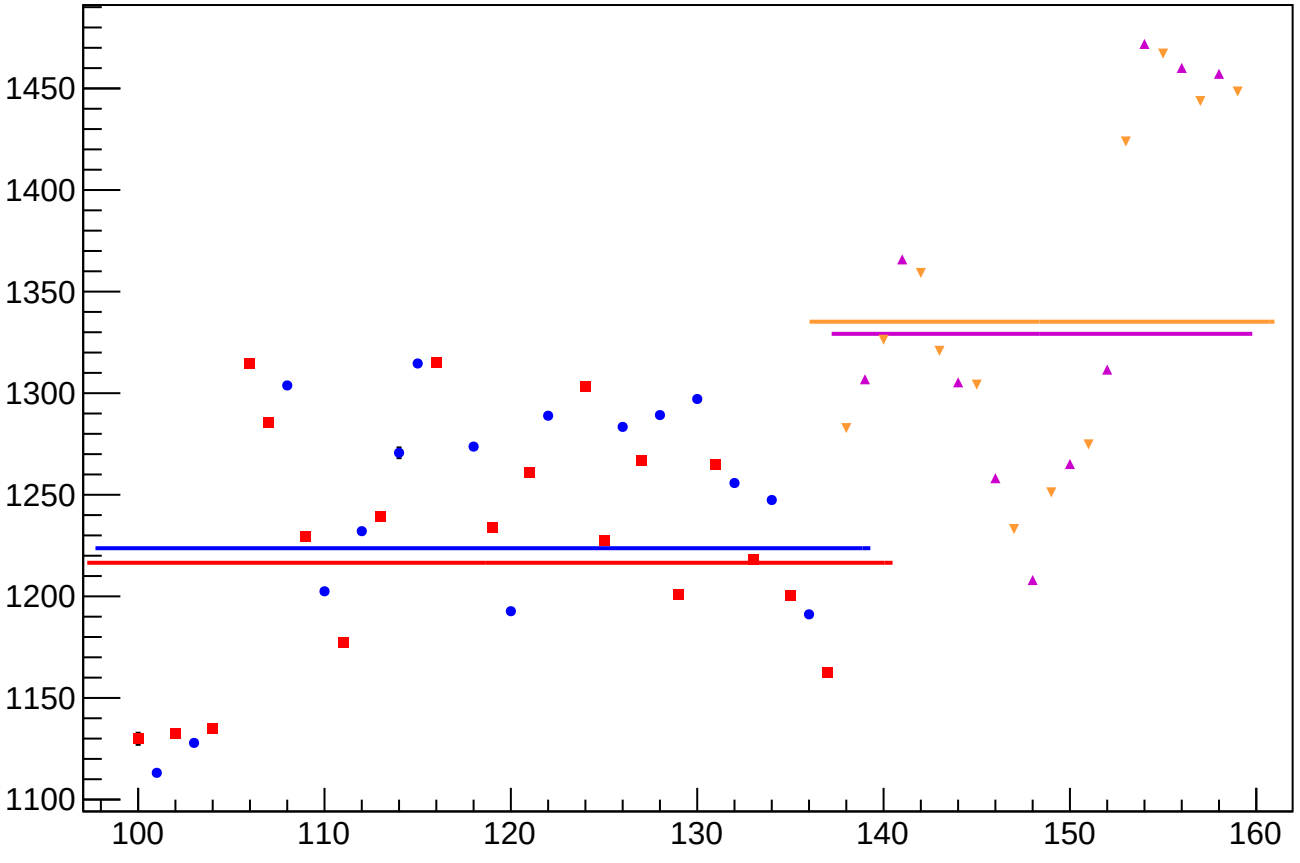
Left In: 7.406+/-0.452 χ^2/NDF:708.4/9

+ sign 4.668+/-0.314 χ^2/NDF: 7470.4/27

All: 11.659+/-0.223 χ^2/NDF: 14112.0/56

- sign 18.782+/-0.317 χ^2/NDF: 5639.3/28

diff_bpm0i02Y_rms vs Slug



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

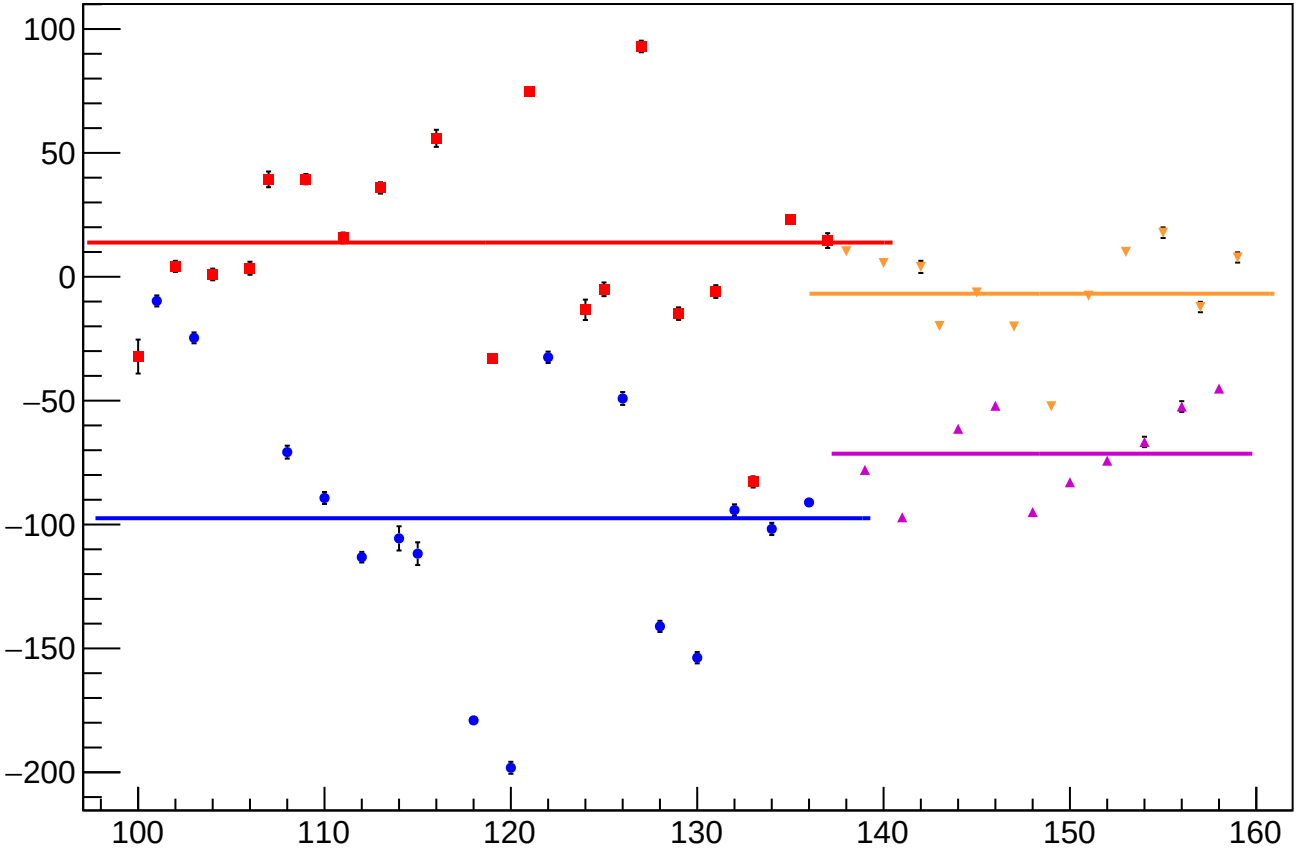
Left In: 1329.222+/-0.319 χ^2/NDF:73262.1/9

+ sign 1282.227+/-0.222 χ^2/NDF: 170271.5/27

All: 1277.150+/-0.158 χ^2/NDF: 337257.2/56

- sign 1271.978+/-0.224 χ^2/NDF: 165928.7/28

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

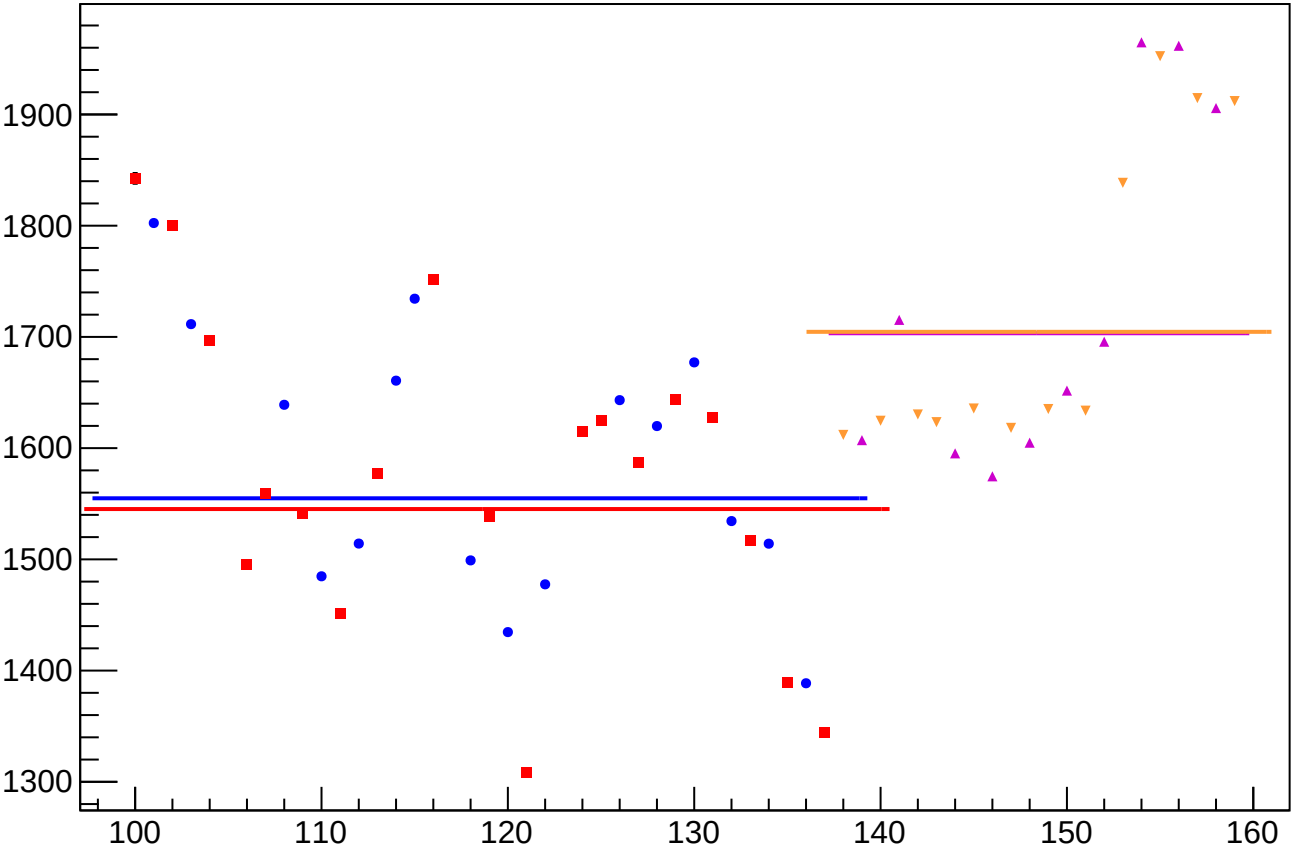
Left In: -71.406+/-0.579 χ^2/NDF:858.8/9

\+ sign -50.086+/-0.400 χ^2/NDF: 22254.7/27

All: -39.053+/-0.285 χ^2/NDF: 41078.6/56

\- sign -27.773+/-0.405 χ^2/NDF: 17287.6/28

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

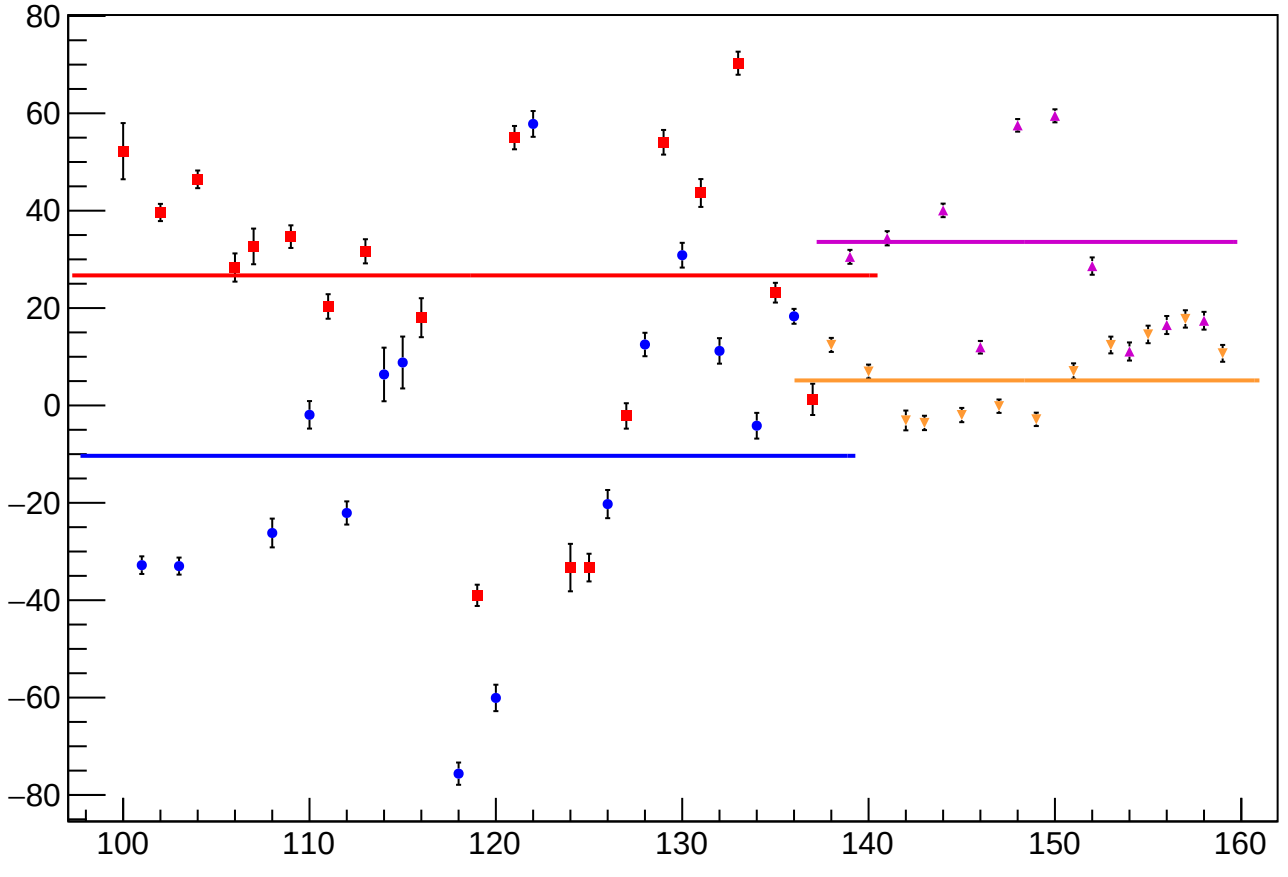
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1703.292+/-0.410 χ^2/NDF:114014.2/9

+ sign 1633.138+/-0.283 χ^2/NDF: 262217.5/27

All: 1627.813+/-0.201 χ^2/NDF: 561933.3/56

- sign 1622.370+/-0.286 χ^2/NDF: 299000.2/28



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

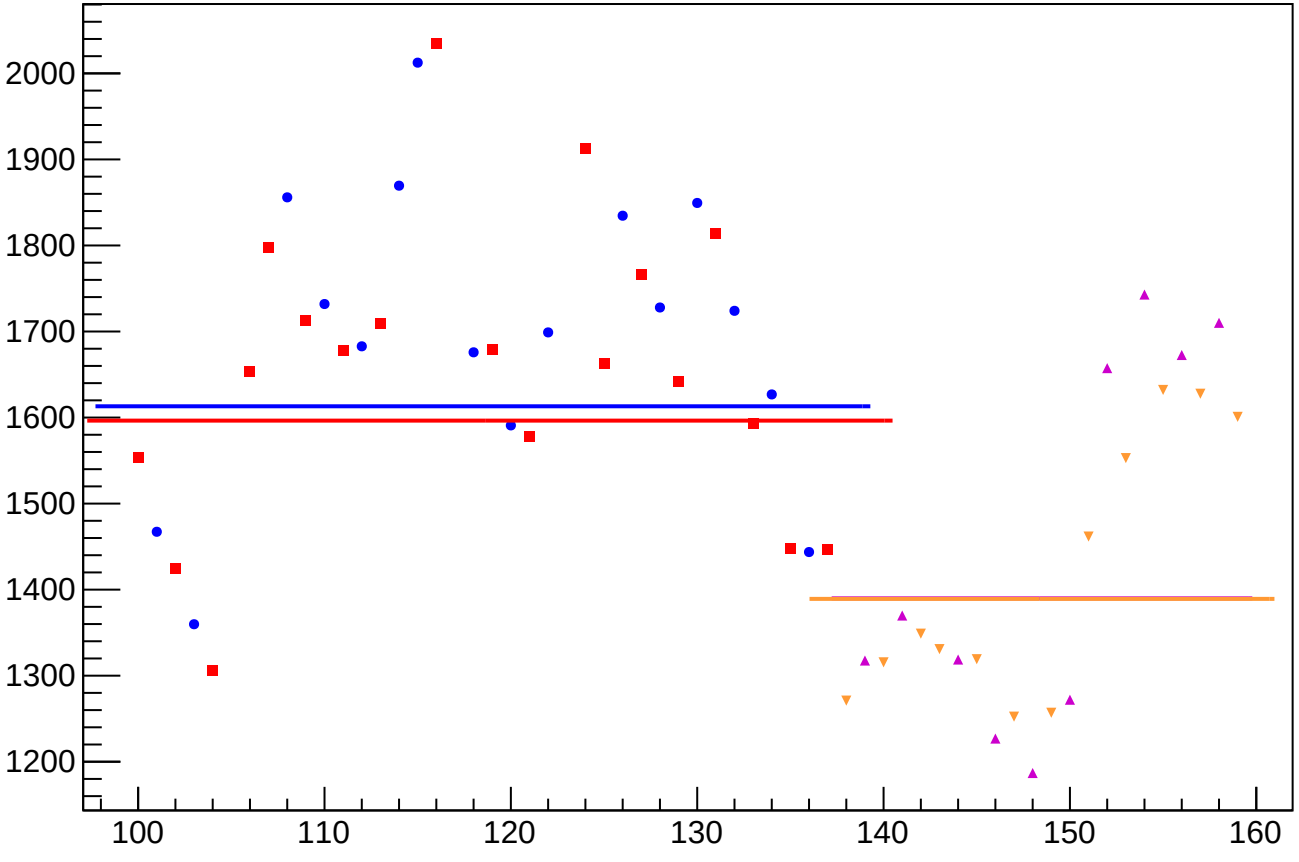
Left In: 33.586+/-0.476 χ^2/NDF:1336.2/9

+ sign -0.441+/-0.362 χ^2/NDF: 3686.5/27

All: 14.885+/-0.259 χ^2/NDF: 11304.9/56

- sign 30.854+/-0.370 χ^2/NDF: 3959.8/28

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

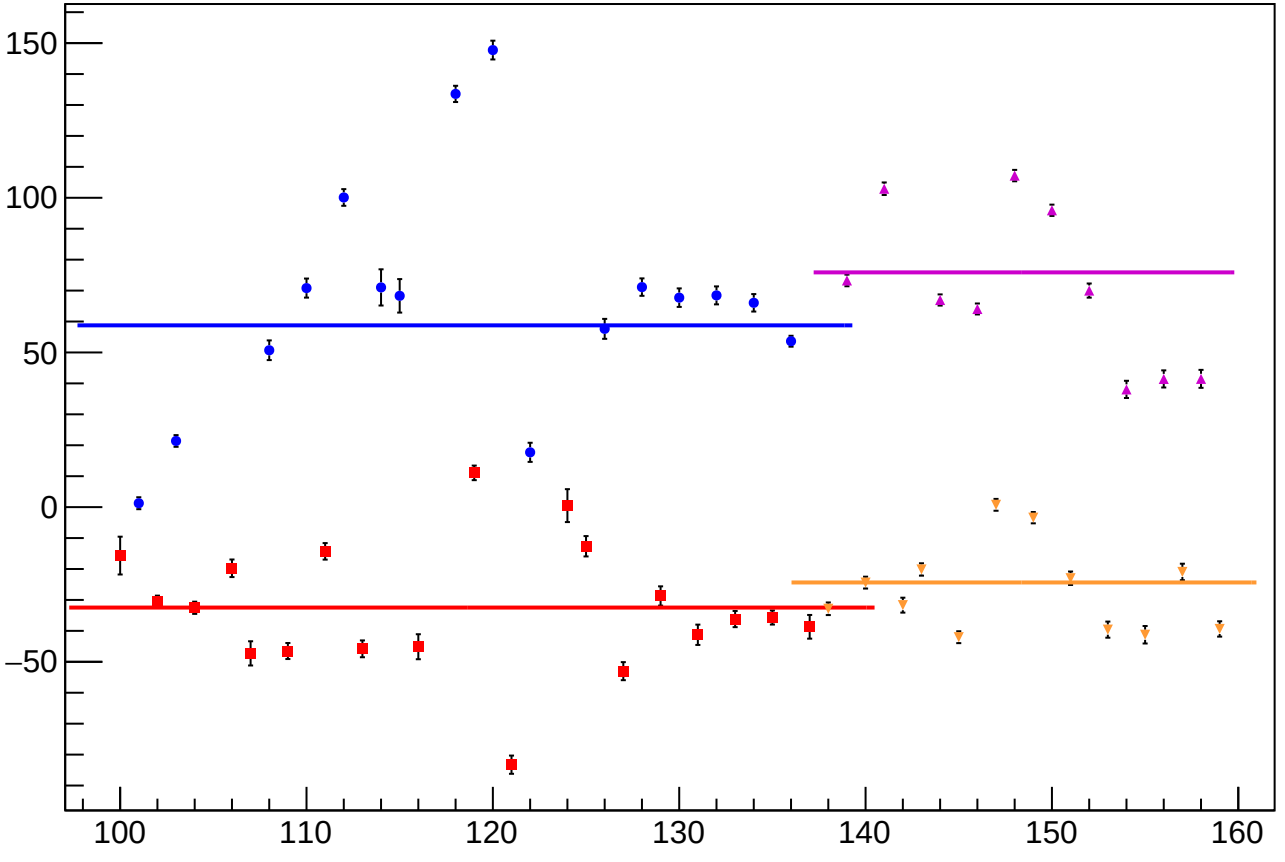
Left In: 1389.894+/-0.337 χ^2/NDF:332036.0/9

+ sign 1469.925+/-0.256 χ^2/NDF: 520573.8/27

All: 1470.918+/-0.183 χ^2/NDF: 1162929.3/56

- sign 1471.953+/-0.261 χ^2/NDF: 642324.8/28

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

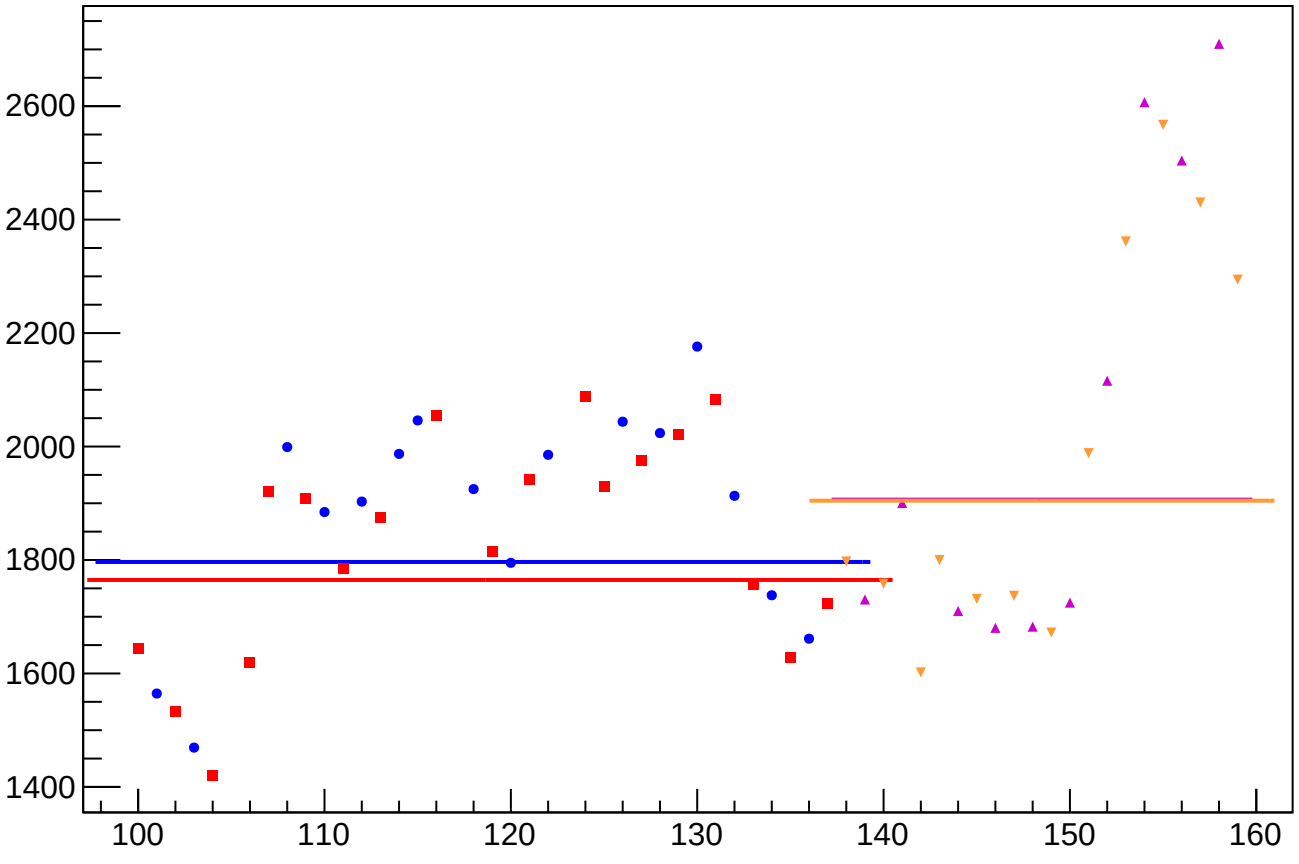
Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: 75.884+/-0.657 χ^2/NDF:1145.2/9

+ sign 14.129+/-0.458 χ^2/NDF: 12174.3/27

All: 17.528+/-0.325 χ^2/NDF: 28135.8/56

- sign 20.986+/-0.462 χ^2/NDF: 15850.2/28



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

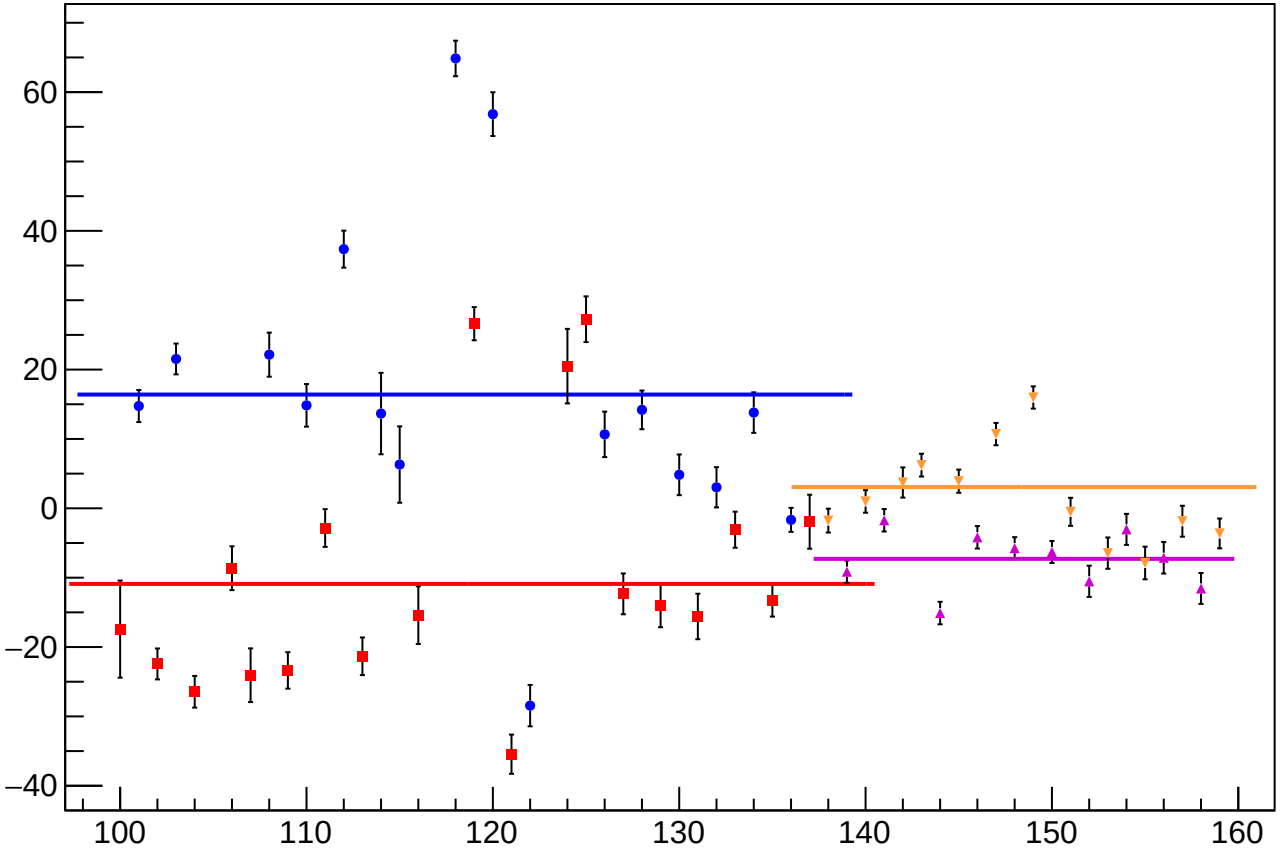
Left In: 1906.399+/-0.465 χ^2/NDF:513205.7/9

+ sign 1854.567+/-0.324 χ^2/NDF: 640643.3/27

All: 1844.713+/-0.230 χ^2/NDF: 1392717.4/56

- sign 1834.686+/-0.326 χ^2/NDF: 750202.6/28

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

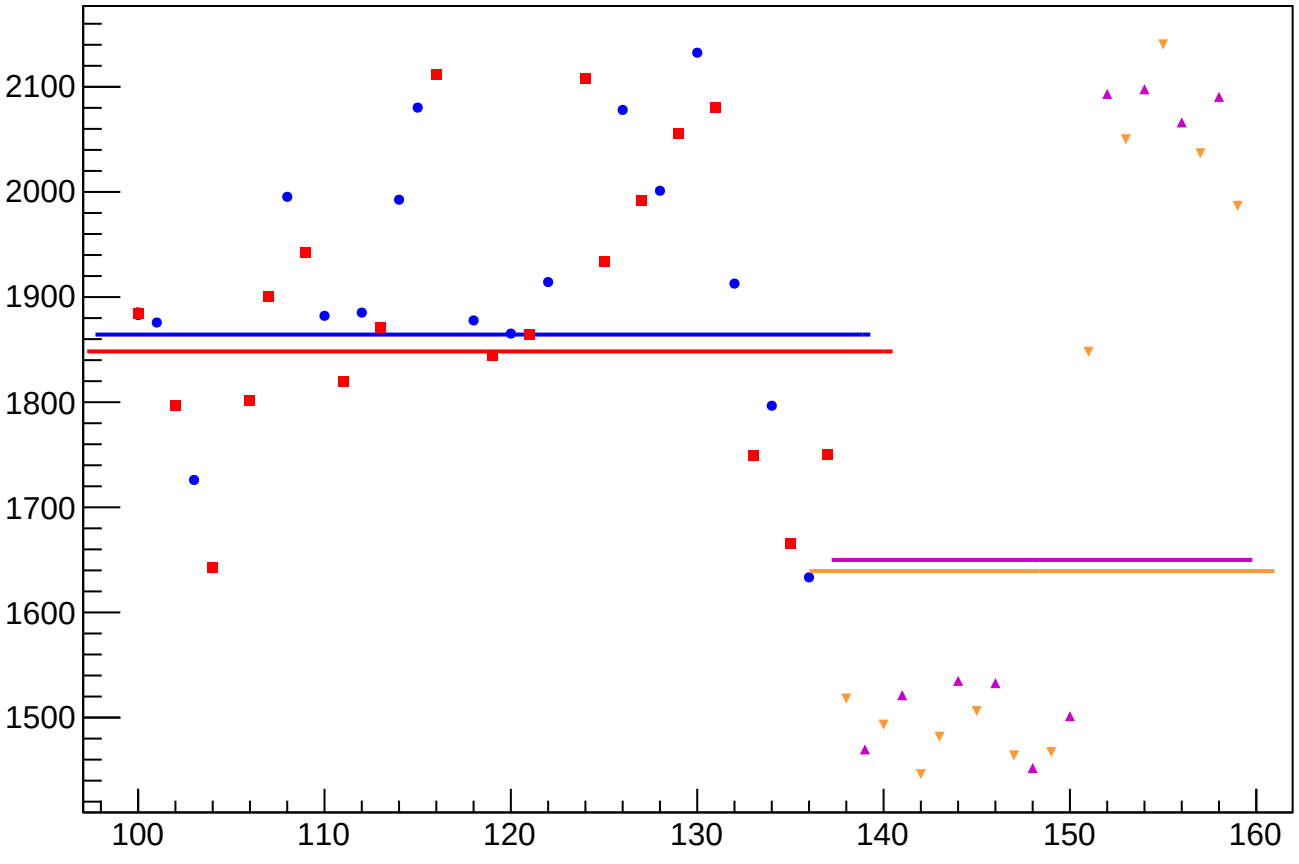
Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: -7.285+/-0.566 χ^2/NDF:50.8/9

\+ sign 8.047+/-0.425 χ^2/NDF: 1361.6/27

All: -0.185+/-0.304 χ^2/NDF: 2838.0/56

\- sign -8.773+/-0.434 χ^2/NDF: 709.3/28



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

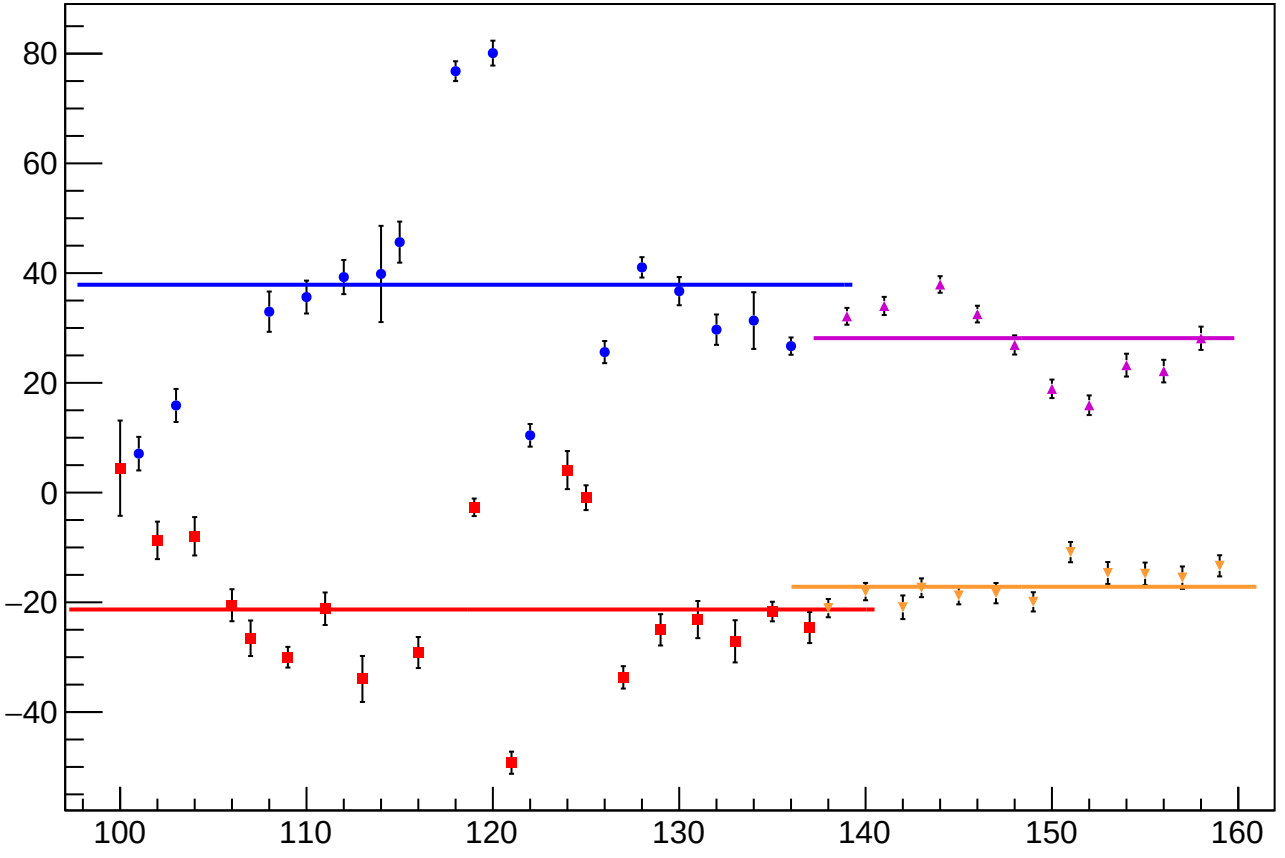
Left In: 1649.943+/-0.400 χ^2/NDF:410250.7/9

+ sign 1723.423+/-0.300 χ^2/NDF: 628454.9/27

All: 1727.432+/-0.215 χ^2/NDF: 1215226.3/56

- sign 1731.614+/-0.307 χ^2/NDF: 586407.6/28

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

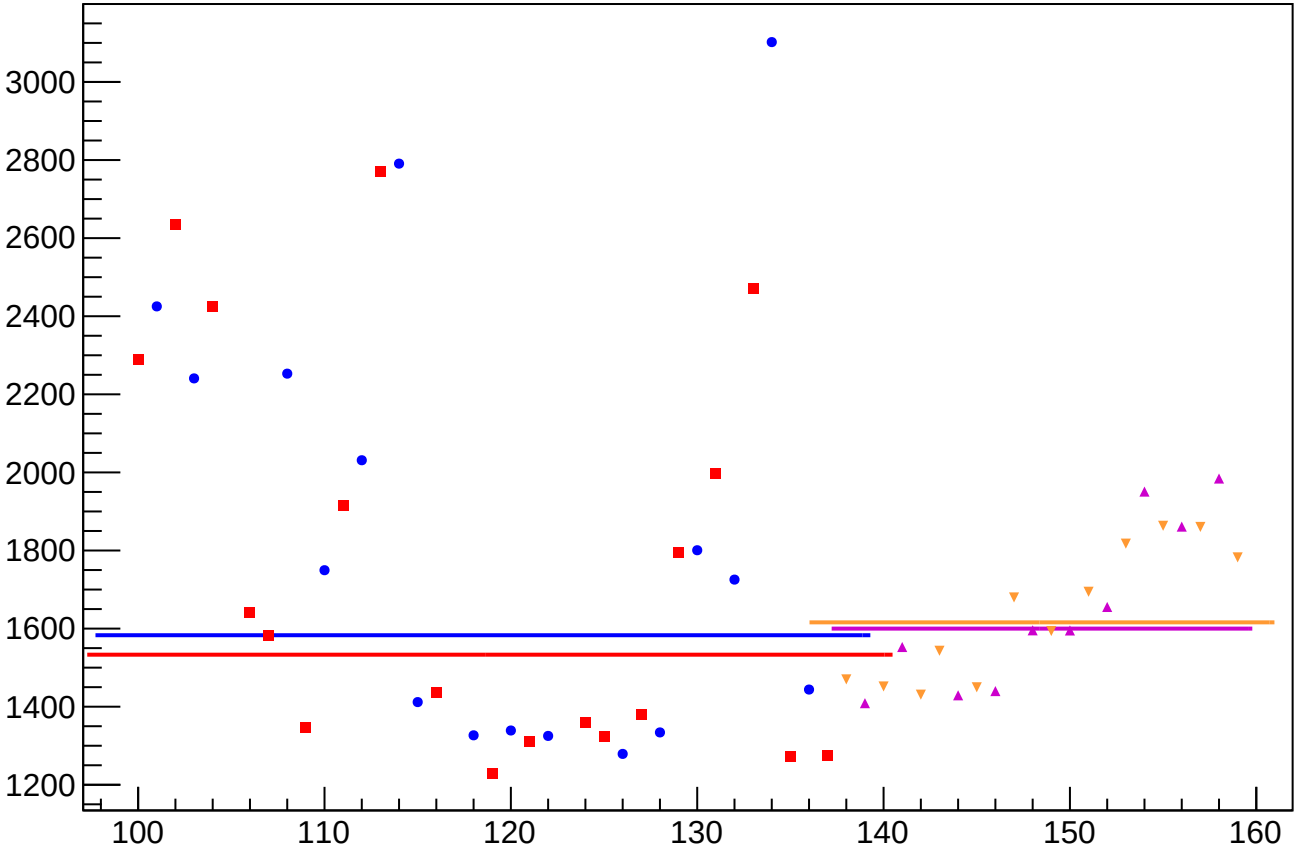
Left In: 28.147+/-0.547 χ^2/NDF:160.9/9

\+ sign 5.791+/-0.402 χ^2/NDF: 5842.1/27

All: 5.601+/-0.284 χ^2/NDF: 10344.1/56

\- sign 5.411+/-0.402 χ^2/NDF: 4501.6/28

diff_bpm0i07X_rms vs Slug



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

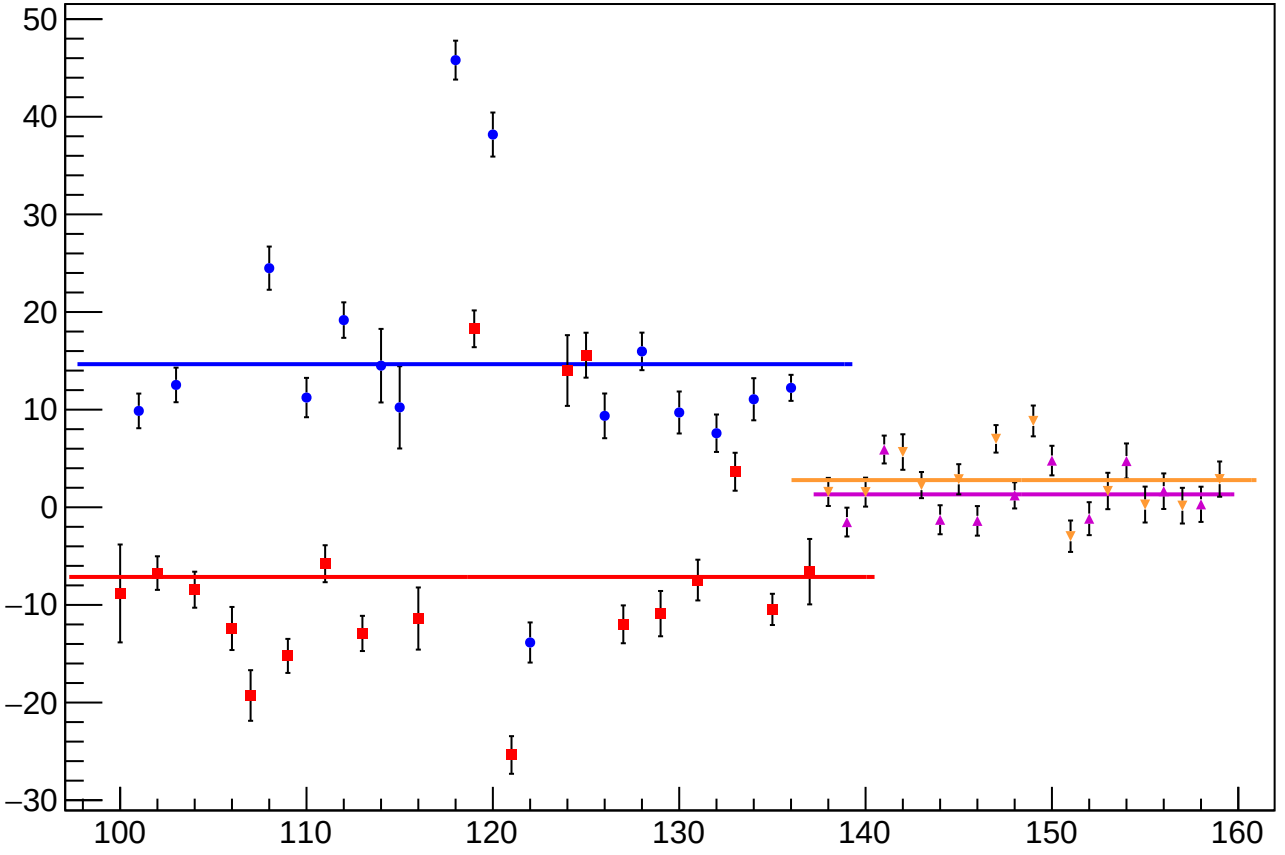
Left In: 1599.978+/-0.387 χ^2/NDF:237326.2/9

+ sign 1602.257+/-0.284 χ^2/NDF: 966856.8/27

All: 1585.769+/-0.201 χ^2/NDF: 2175402.8/56

- sign 1569.272+/-0.284 χ^2/NDF: 1201812.7/28

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

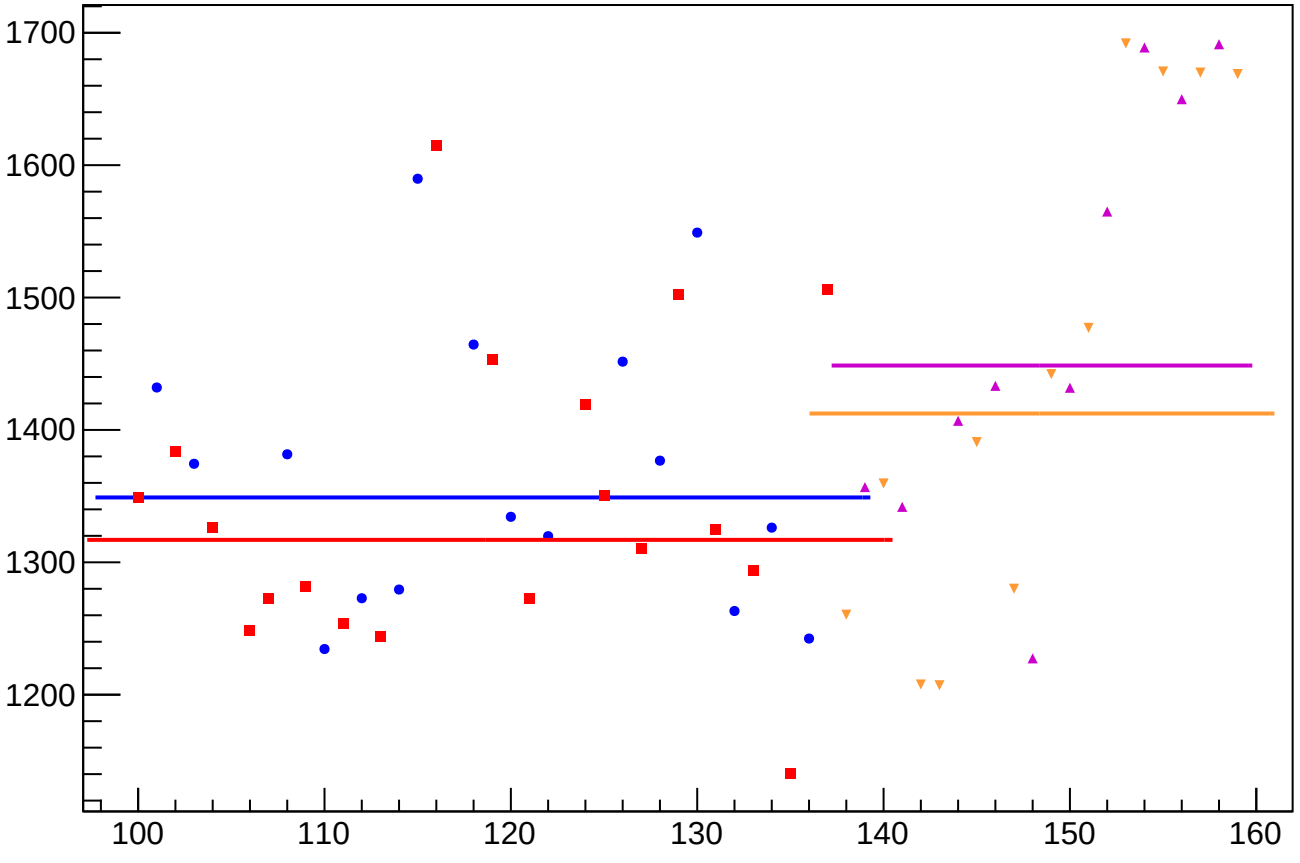
Left In: 1.324+/-0.494 χ^2/NDF:31.7/9

+ sign 8.190+/-0.340 χ^2/NDF: 961.3/27

All: 2.677+/-0.242 χ^2/NDF: 2184.6/56

- sign -2.998+/-0.345 χ^2/NDF: 691.0/28

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

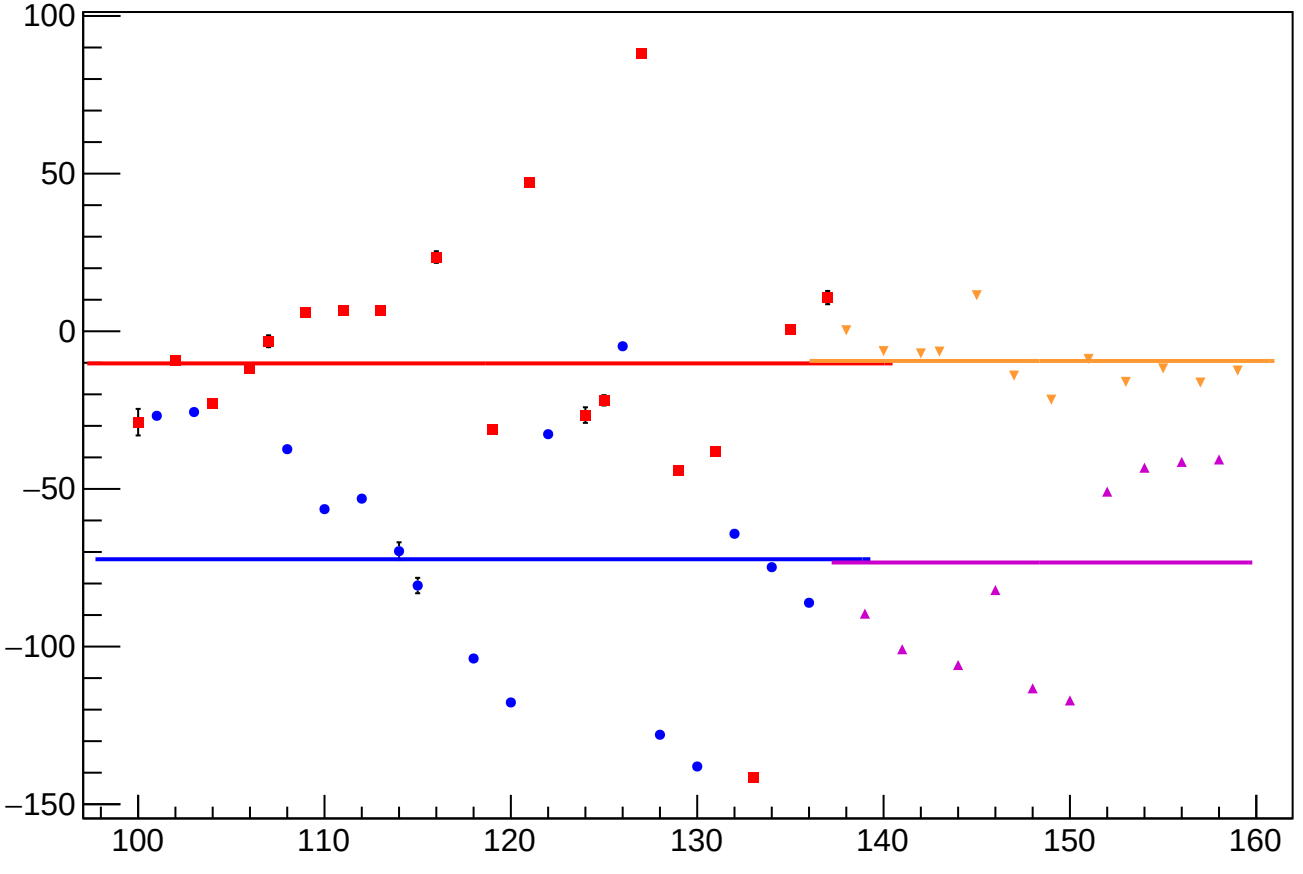
Left In: 1448.644+/-0.349 χ^2/NDF:181232.6/9

+ sign 1383.535+/-0.241 χ^2/NDF: 369496.5/27

All: 1382.466+/-0.171 χ^2/NDF: 710296.8/56

- sign 1381.365+/-0.244 χ^2/NDF: 340760.3/28

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

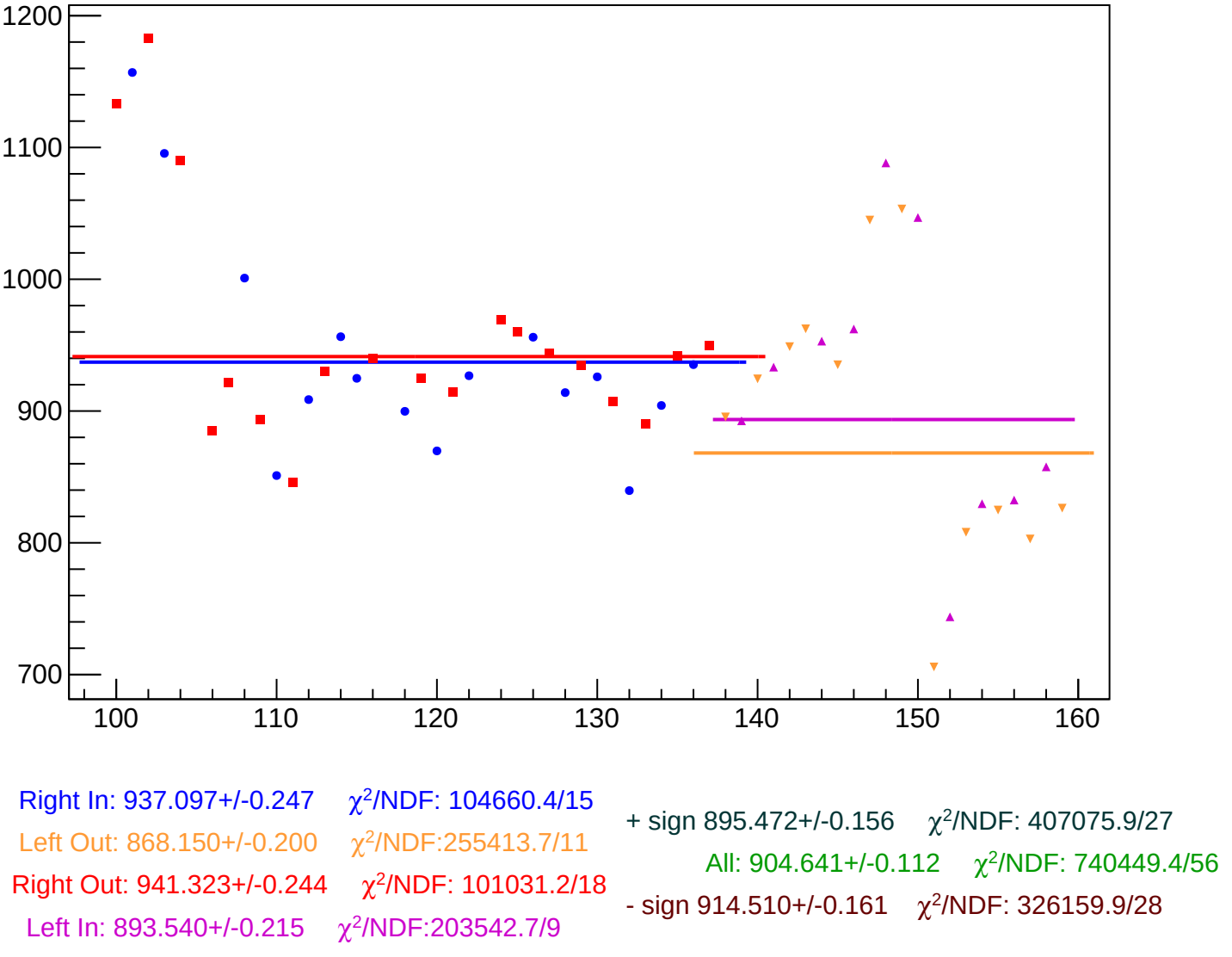
Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: -73.337+/-0.305 χ^2/NDF:9279.9/9

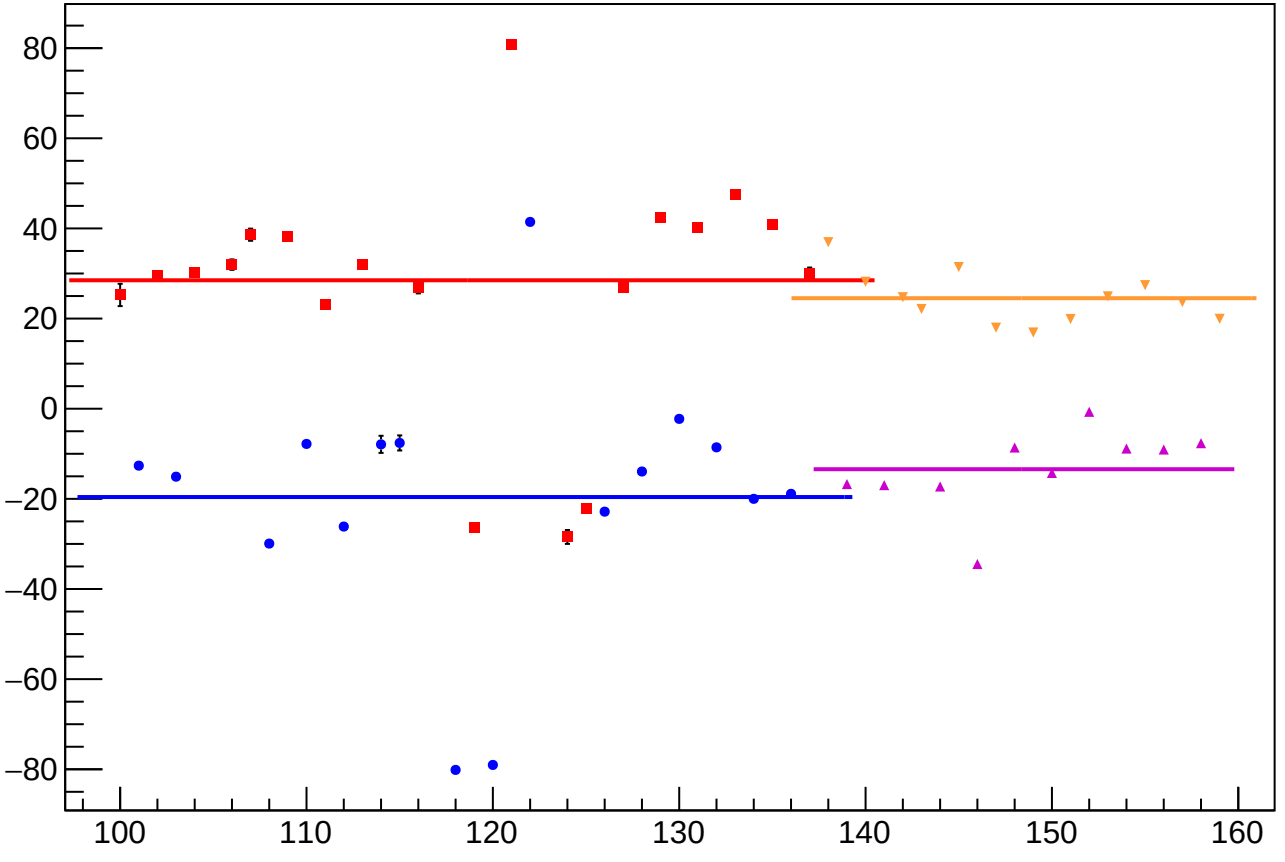
\+ sign -34.332+/-0.220 χ^2/NDF: 32491.4/27

All: -39.770+/-0.158 χ^2/NDF: 80936.3/56

\- sign -45.624+/-0.228 χ^2/NDF: 47176.3/28


diff_bpm1i02X_rms vs Slug
1200
1100
1000
900
800
700
100
110
120
130
140
150
160
Right In: 937.097+/-0.247 χ²/NDF: 104660.4/15
Left Out: 868.150+/-0.200 χ²/NDF:255413.7/11
Right Out: 941.323+/-0.244 χ²/NDF: 101031.2/18
Left In: 893.540+/-0.215 χ²/NDF:203542.7/9
+ sign 895.472+/-0.156 χ²/NDF: 407075.9/27
All: 904.641+/-0.112 χ²/NDF: 740449.4/56
- sign 914.510+/-0.161 χ²/NDF: 326159.9/28

diff_bpm1i02Y_mean vs Slug



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

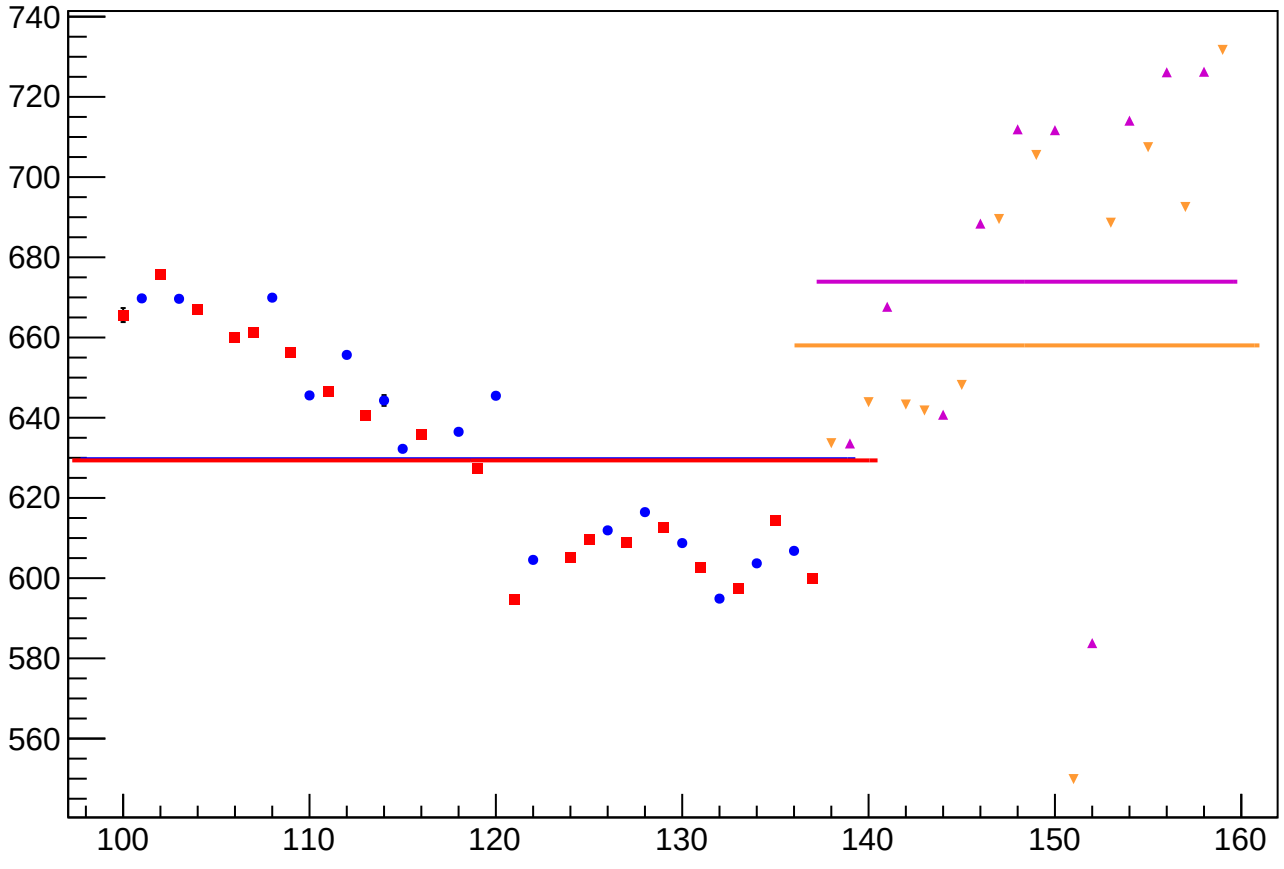
Left In: -13.421+/-0.229 χ^2/NDF:1486.1/9

+ sign 4.439+/-0.158 χ^2/NDF: 33236.5/27

All: 5.926+/-0.113 χ^2/NDF: 64562.9/56

- sign 7.496+/-0.162 χ^2/NDF: 31144.1/28

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

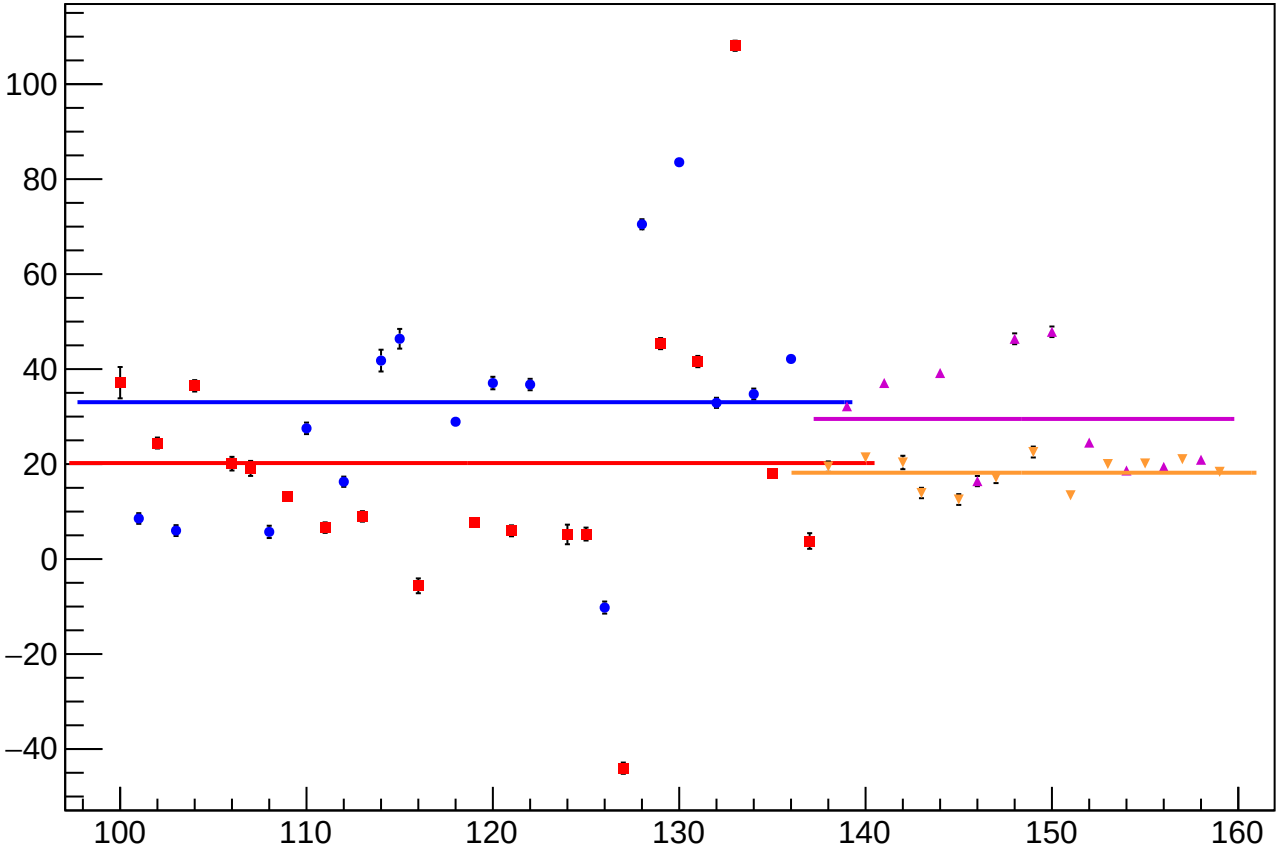
Left In: 673.919+/-0.162 χ^2/NDF:85961.2/9

\+ sign 645.120+/-0.112 χ^2/NDF: 155386.2/27

All: 648.313+/-0.080 χ^2/NDF: 307531.6/56

\- sign 651.684+/-0.115 χ^2/NDF: 150464.0/28

diff_bpm1i04X_mean vs Slug



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

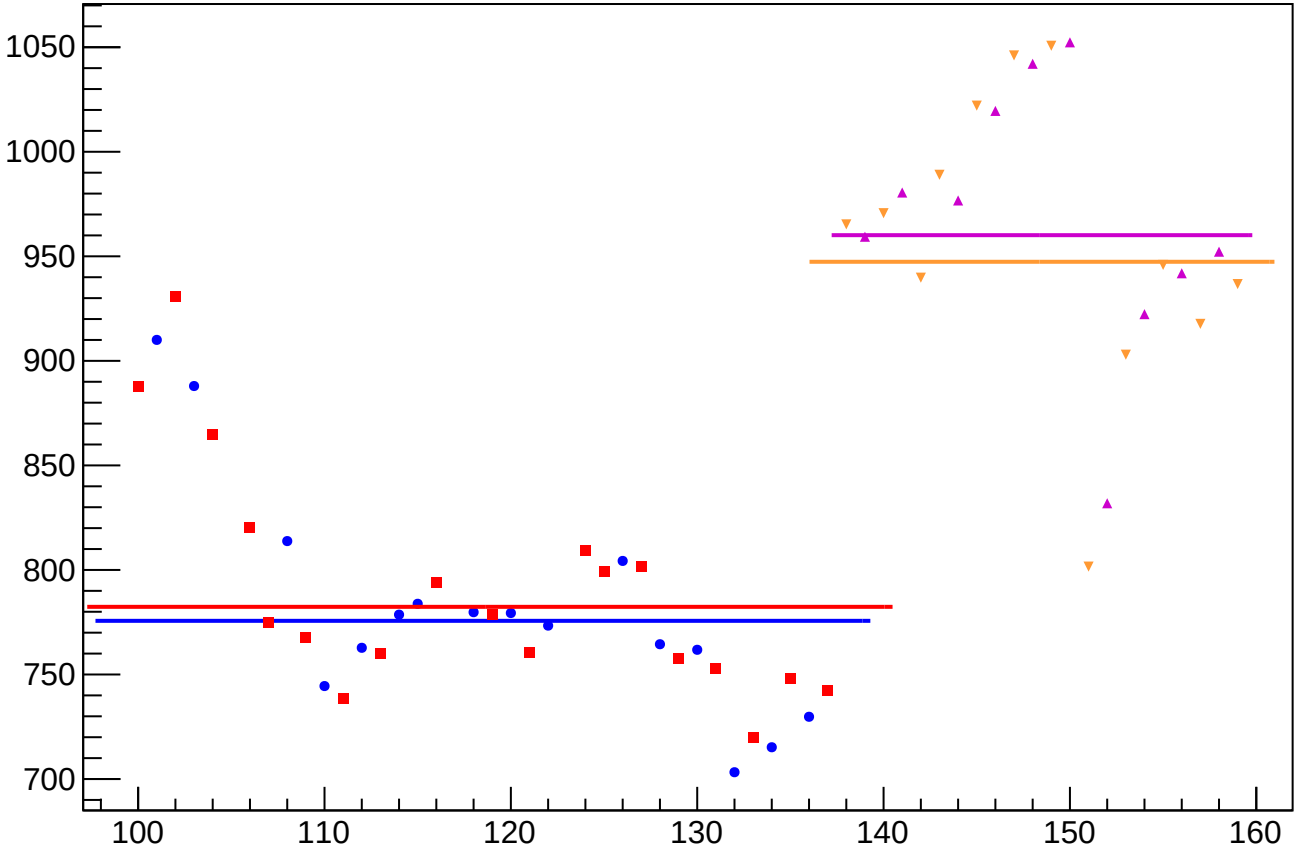
Left In: 29.506+/-0.326 χ^2/NDF:1106.0/9

\+ sign 26.074+/-0.211 χ^2/NDF: 8051.3/27

All: 25.182+/-0.150 χ^2/NDF: 21522.3/56

\- sign 24.253+/-0.215 χ^2/NDF: 13434.4/28

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

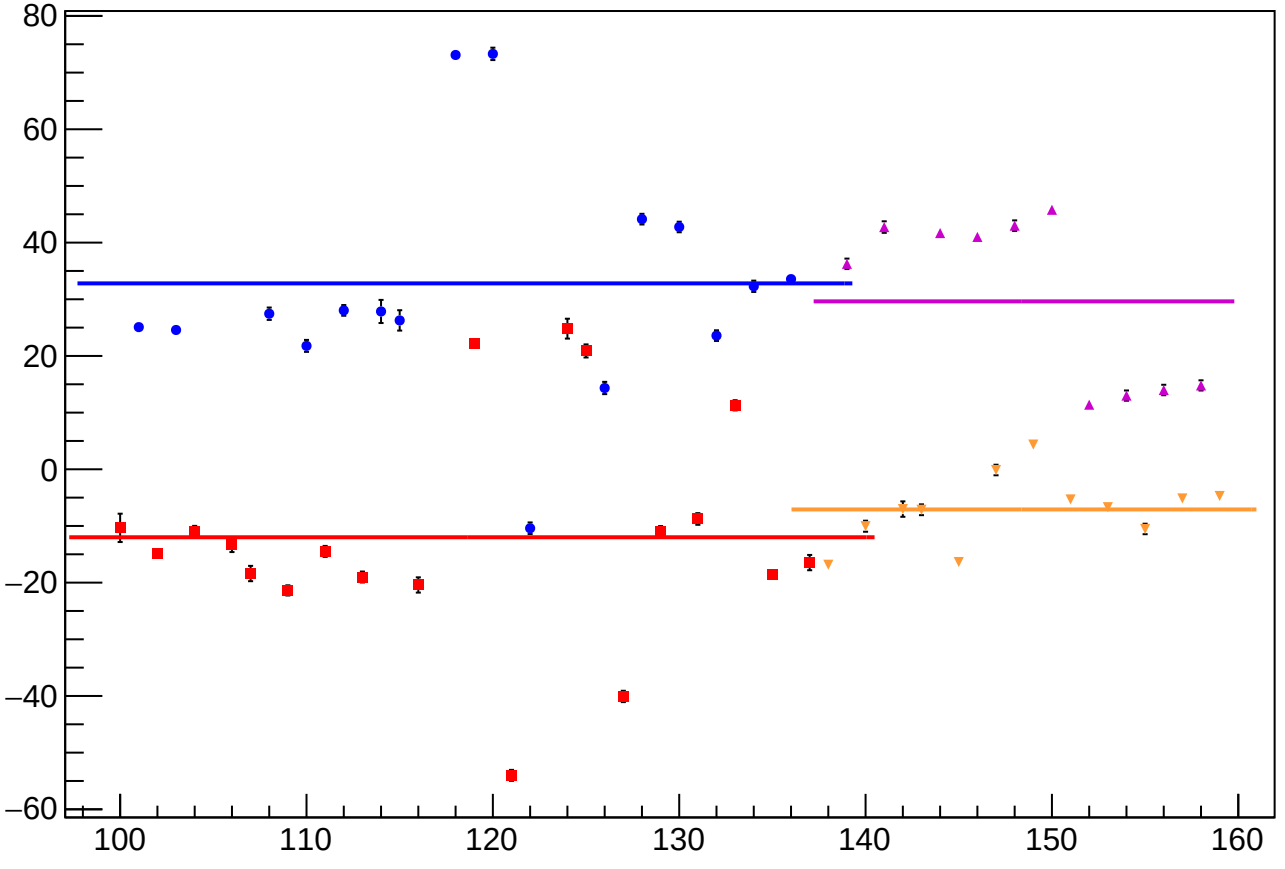
Left In: 960.113+/-0.231 χ^2/NDF:76137.8/9

+ sign 856.133+/-0.149 χ^2/NDF: 511547.4/27

All: 857.831+/-0.106 χ^2/NDF: 988331.9/56

- sign 859.600+/-0.152 χ^2/NDF: 476519.2/28

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

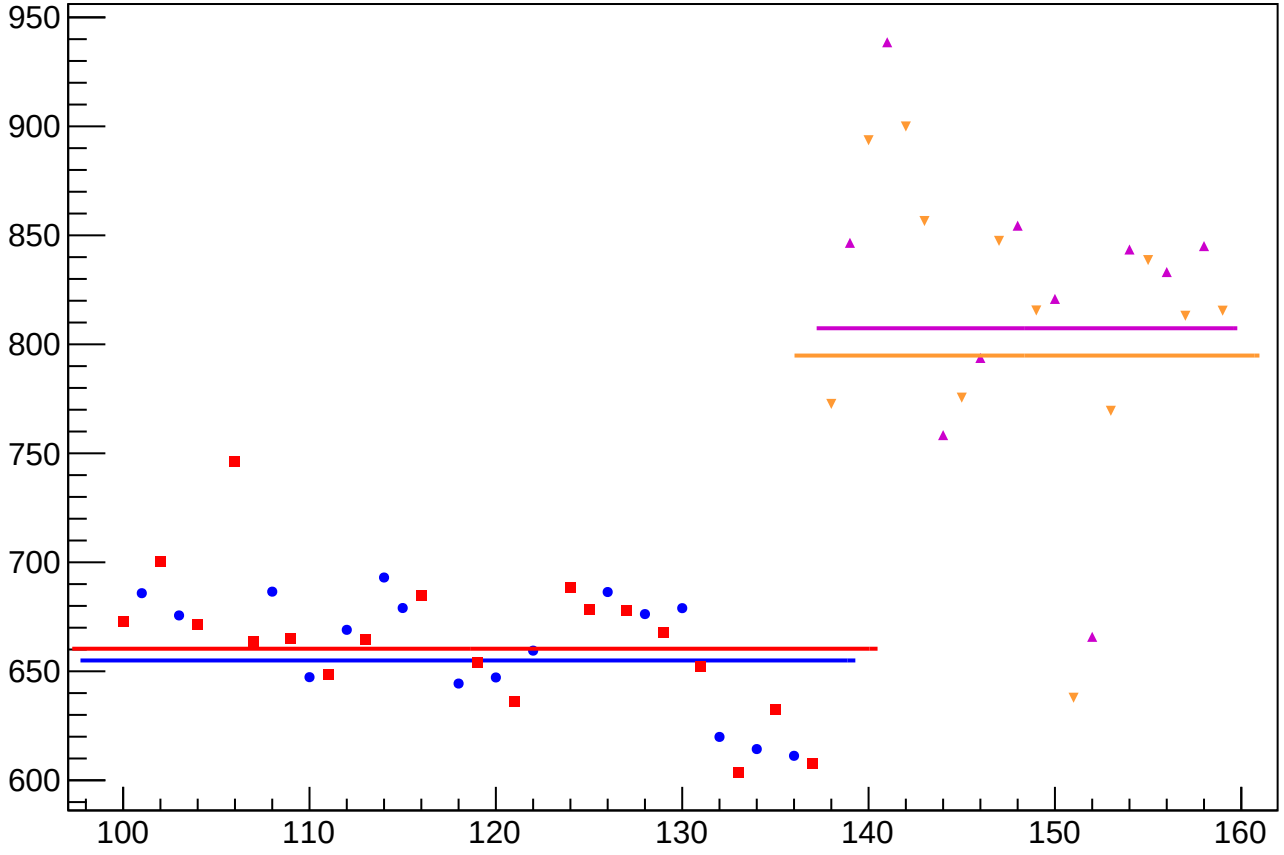
Left In: 29.632+/-0.276 χ^2/NDF:2711.8/9

+ sign 14.097+/-0.177 χ^2/NDF: 19342.6/27

All: 10.155+/-0.127 χ^2/NDF: 42526.3/56

- sign 6.027+/-0.182 χ^2/NDF: 22173.4/28

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

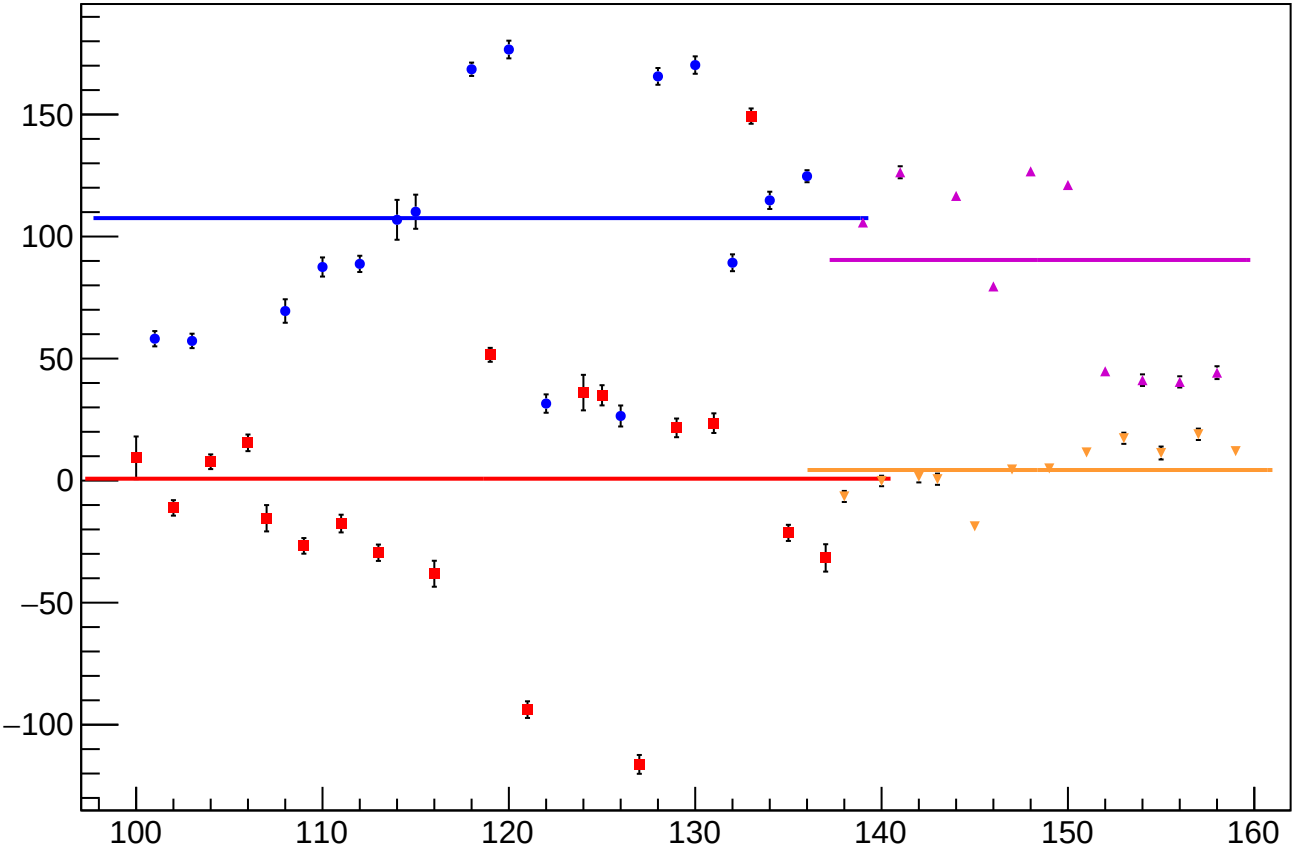
Left In: 807.373+/-0.195 χ^2/NDF:135351.6/9

+ sign 720.567+/-0.125 χ^2/NDF: 497192.1/27

All: 722.245+/-0.090 χ^2/NDF: 985205.7/56

- sign 724.002+/-0.128 χ^2/NDF: 487647.5/28

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

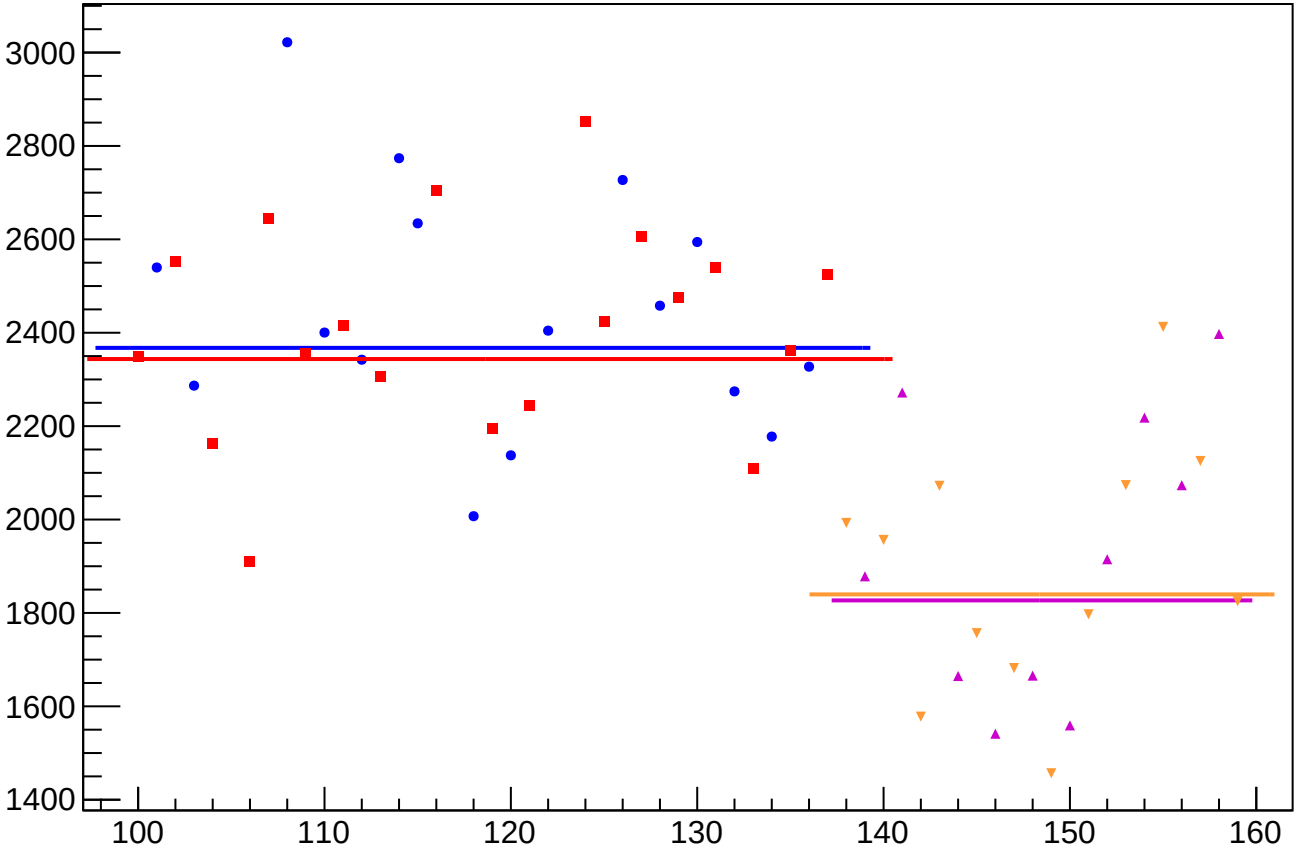
Left In: 90.402+/-0.632 χ^2/NDF:2961.6/9

+ sign 37.099+/-0.499 χ^2/NDF: 12507.6/27

All: 47.818+/-0.356 χ^2/NDF: 28217.6/56

- sign 59.005+/-0.510 χ^2/NDF: 14766.0/28

diff_bpm1i06X_rms vs Slug



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

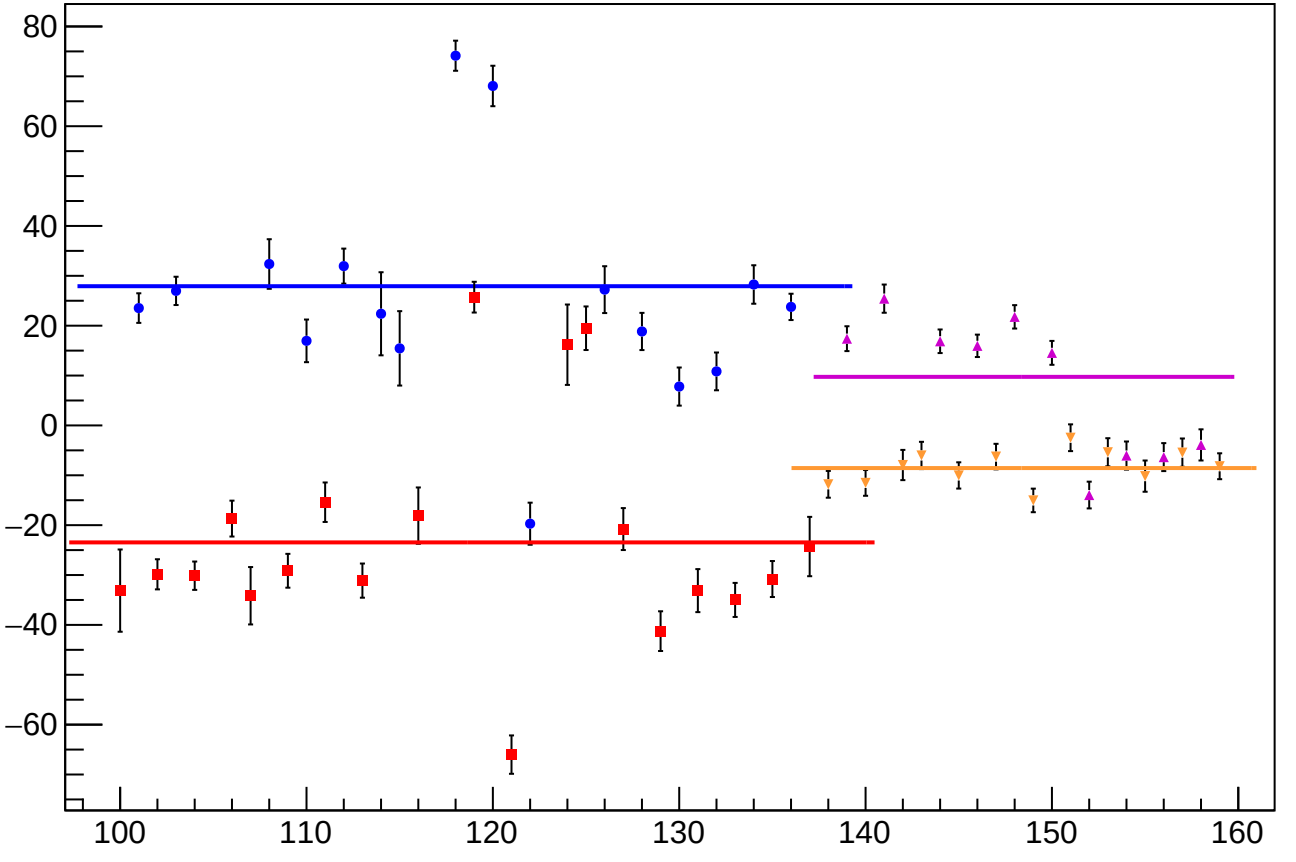
Left In: 1826.853+/-0.447 χ^2/NDF:387859.8/9

+ sign 2007.207+/-0.353 χ^2/NDF: 949947.3/27

All: 2007.564+/-0.252 χ^2/NDF: 1918475.9/56

- sign 2007.936+/-0.360 χ^2/NDF: 968526.5/28

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

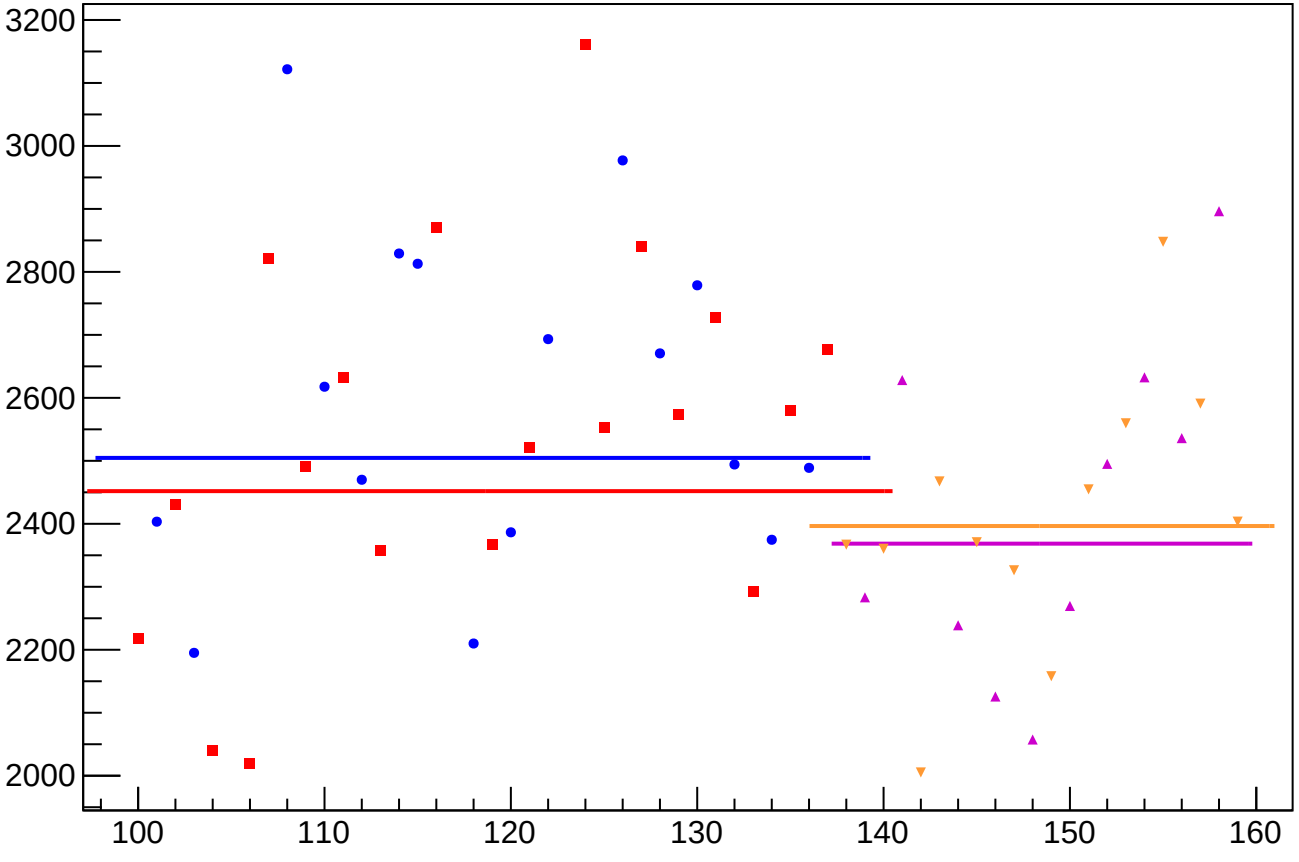
Left In: 9.740+/-0.813 χ^2/NDF:248.7/9

+ sign 6.370+/-0.599 χ^2/NDF: 1446.3/27

All: 0.668+/-0.425 χ^2/NDF: 3192.4/56

- sign -5.127+/-0.604 χ^2/NDF: 1563.5/28

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

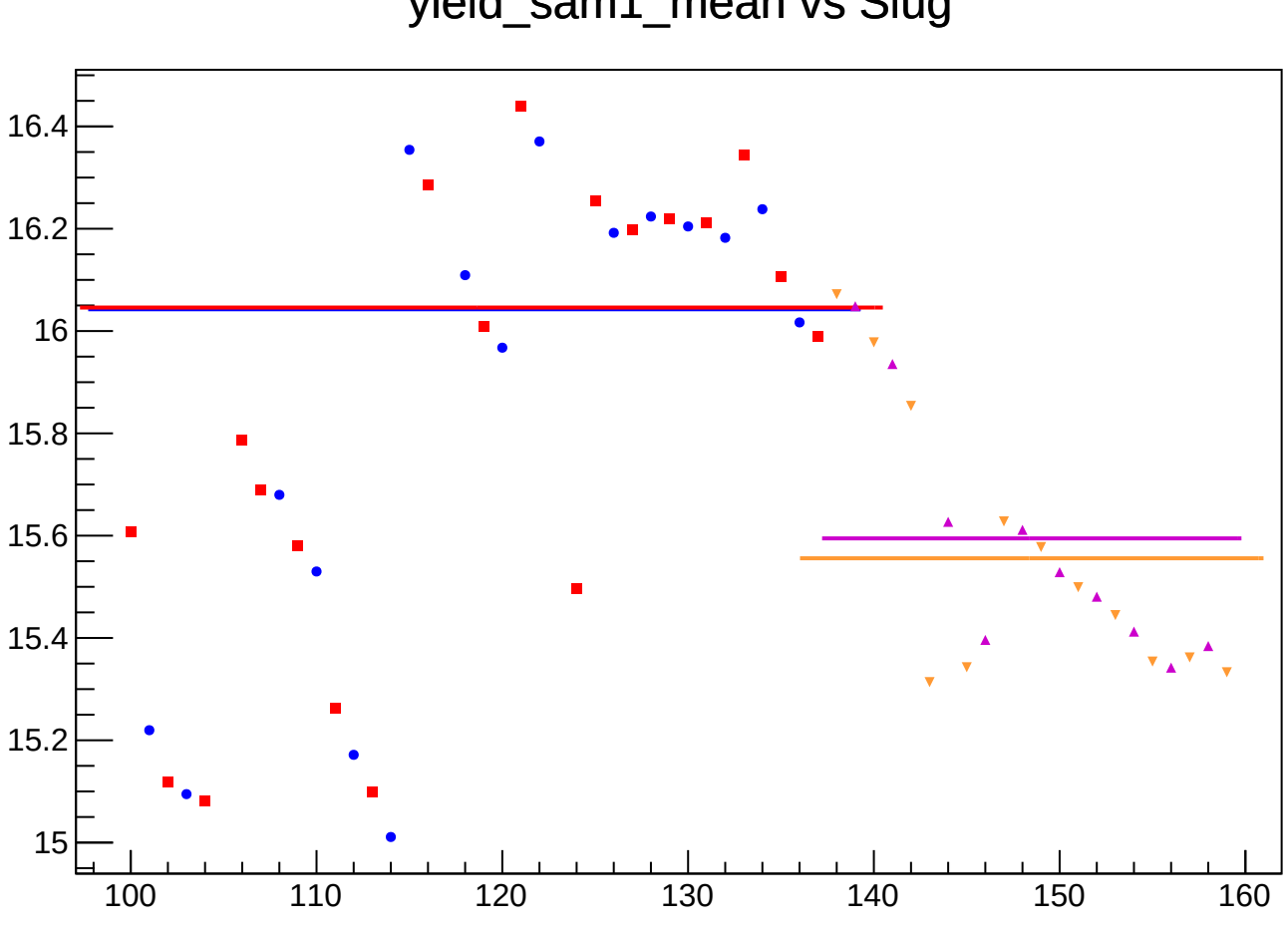
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2368.487+/-0.575 χ^2/NDF:173382.8/9

+ sign 2440.741+/-0.424 χ^2/NDF: 258256.9/27

All: 2423.427+/-0.301 χ^2/NDF: 597670.2/56

- sign 2405.832+/-0.427 χ^2/NDF: 336046.5/28



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

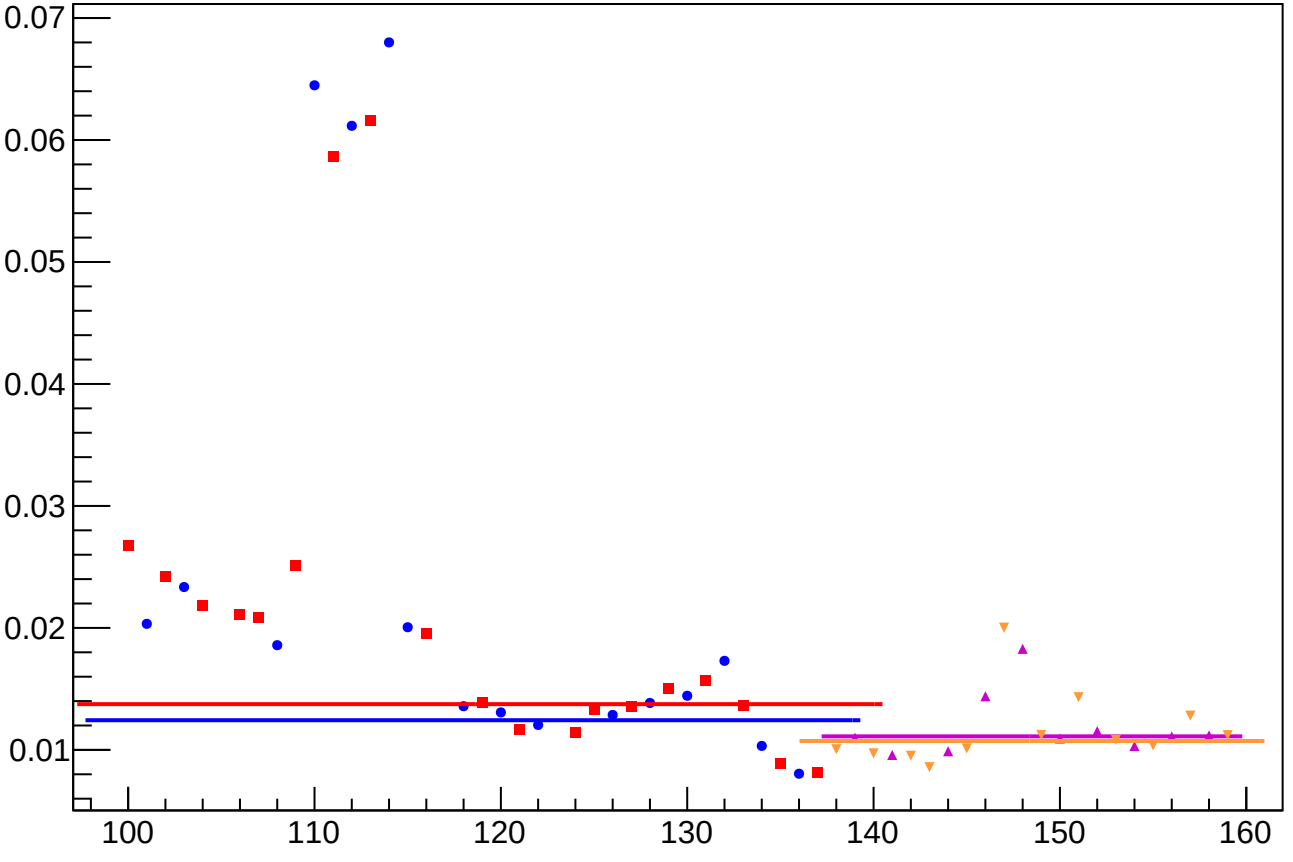
Left In: 15.595+/-0.000 χ^2/NDF:3668860775.5/9

+ sign 15.711+/-0.000 χ^2/NDF: 14265056878.9/27

All: 15.723+/-0.000 χ^2/NDF: 25712719433.1

- sign 15.737+/-0.000 χ^2/NDF: 11413837835.8/28

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

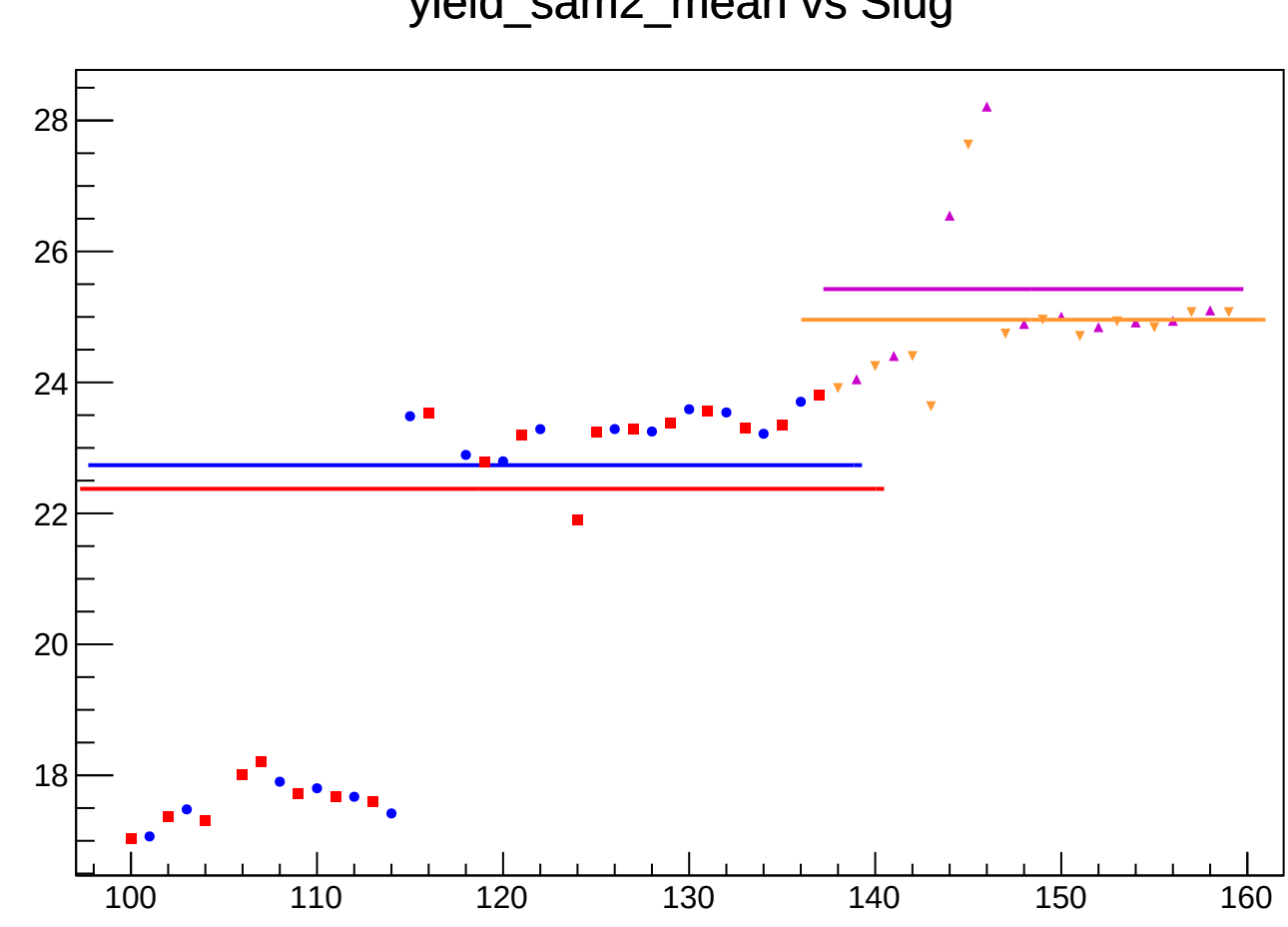
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:408175.8/9

+ sign 0.011+/-0.000 χ^2/NDF: 3087568.5/27

All: 0.012+/-0.000 χ^2/NDF: 6059440.5/56

- sign 0.012+/-0.000 χ^2/NDF: 2925779.2/28



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

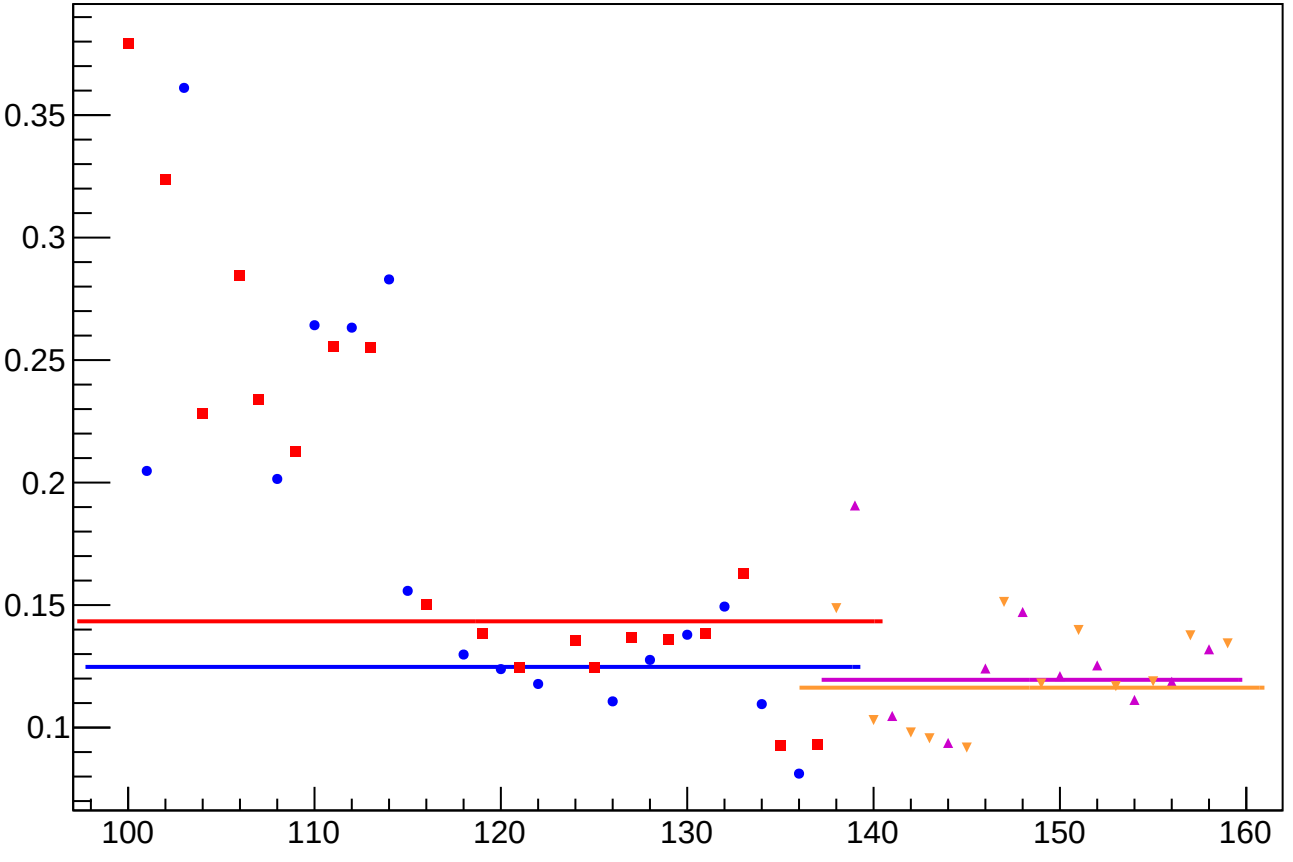
Left In: 25.425+/-0.000 χ^2/NDF:679286627.4/9

+ sign 24.138+/-0.000 χ^2/NDF: 3054863809.9/27

All: 24.238+/-0.000 χ^2/NDF: 6658065553.3/5

- sign 24.355+/-0.000 χ^2/NDF: 3583021028.6/28

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

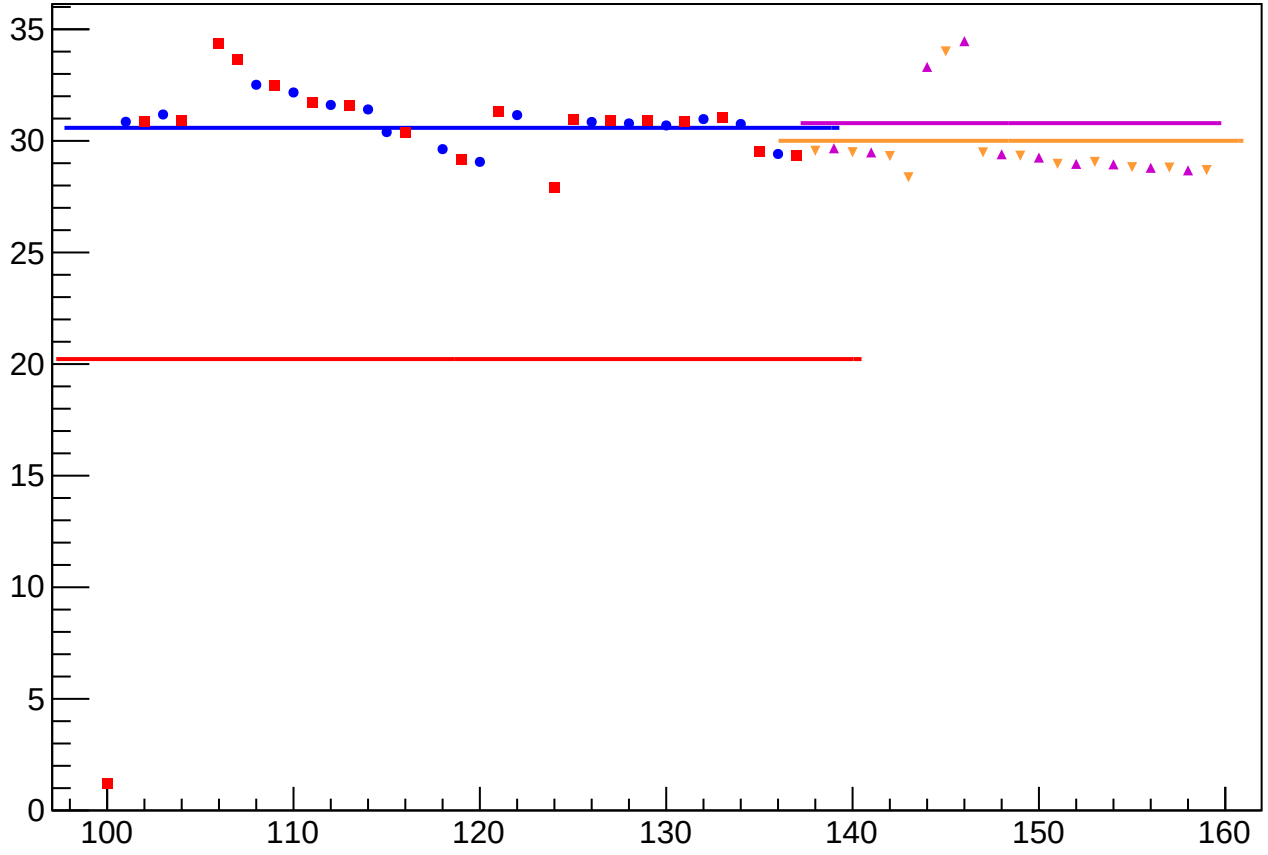
Left In: 0.119+/-0.000 χ^2/NDF:456638.5/9

+ sign 0.119+/-0.000 χ^2/NDF: 2234417.4/27

All: 0.123+/-0.000 χ^2/NDF: 4529417.4/56

- sign 0.128+/-0.000 χ^2/NDF: 2233560.4/28

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

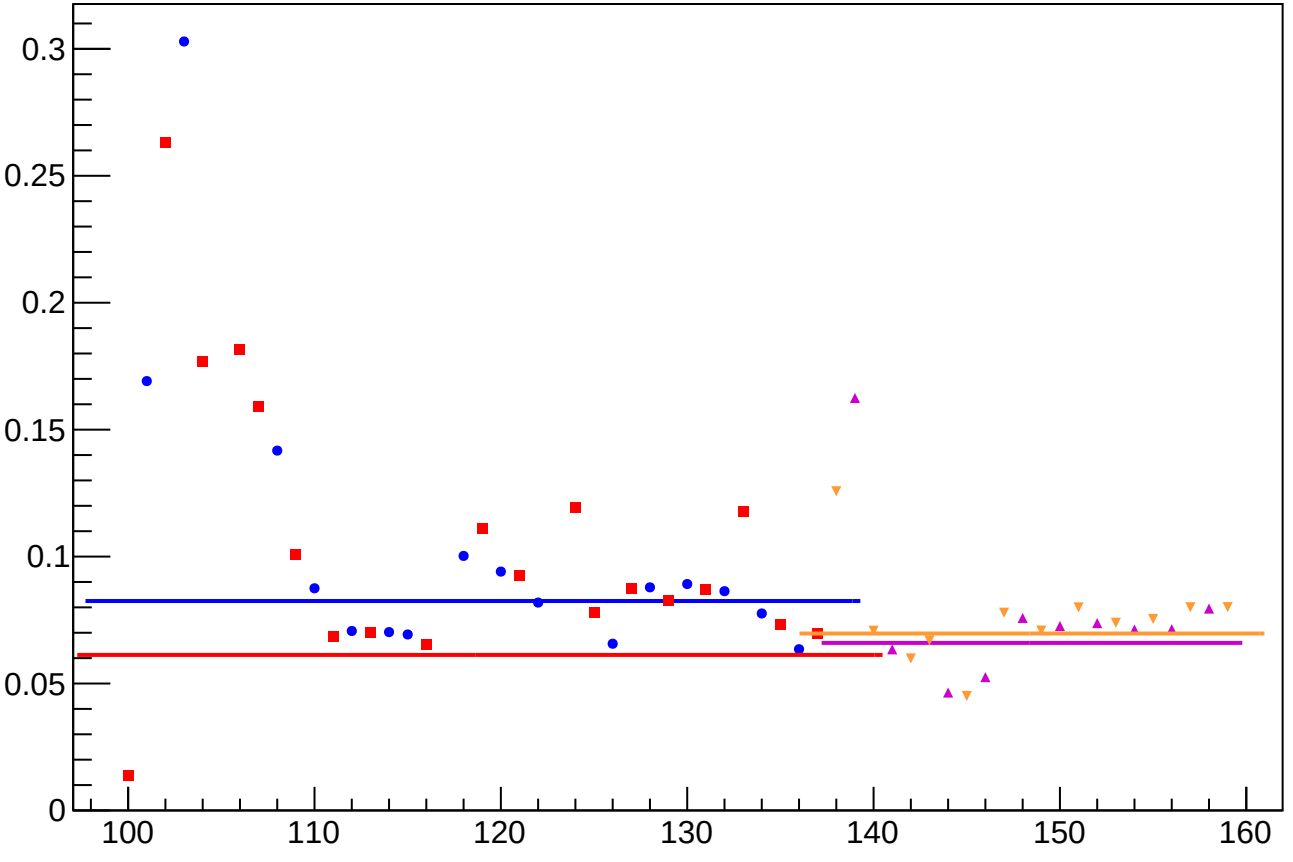
Left In: 30.795+/-0.000 χ^2/NDF:7815056384.5/9

+ sign 30.206+/-0.000 χ^2/NDF: 6546647169.2/27

All: 28.112+/-0.000 χ^2/NDF: 323612267226.

- sign 26.285+/-0.000 χ^2/NDF: 298793598399.1/28

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

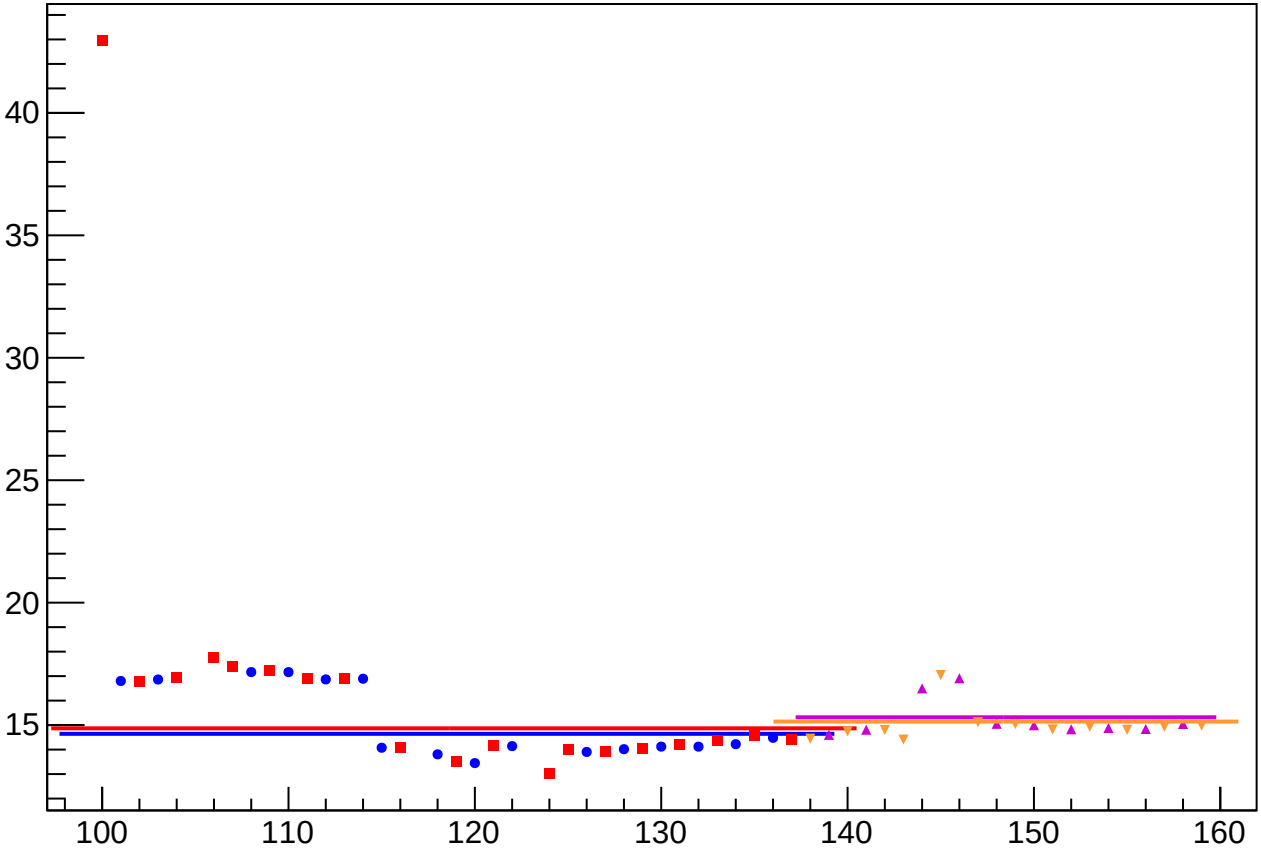
Left In: 0.066+/-0.000 χ^2/NDF:996288.0/9

+ sign 0.074+/-0.000 χ^2/NDF: 2138668.4/27

All: 0.069+/-0.000 χ^2/NDF: 7423066.5/56

- sign 0.064+/-0.000 χ^2/NDF: 5038567.3/28

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

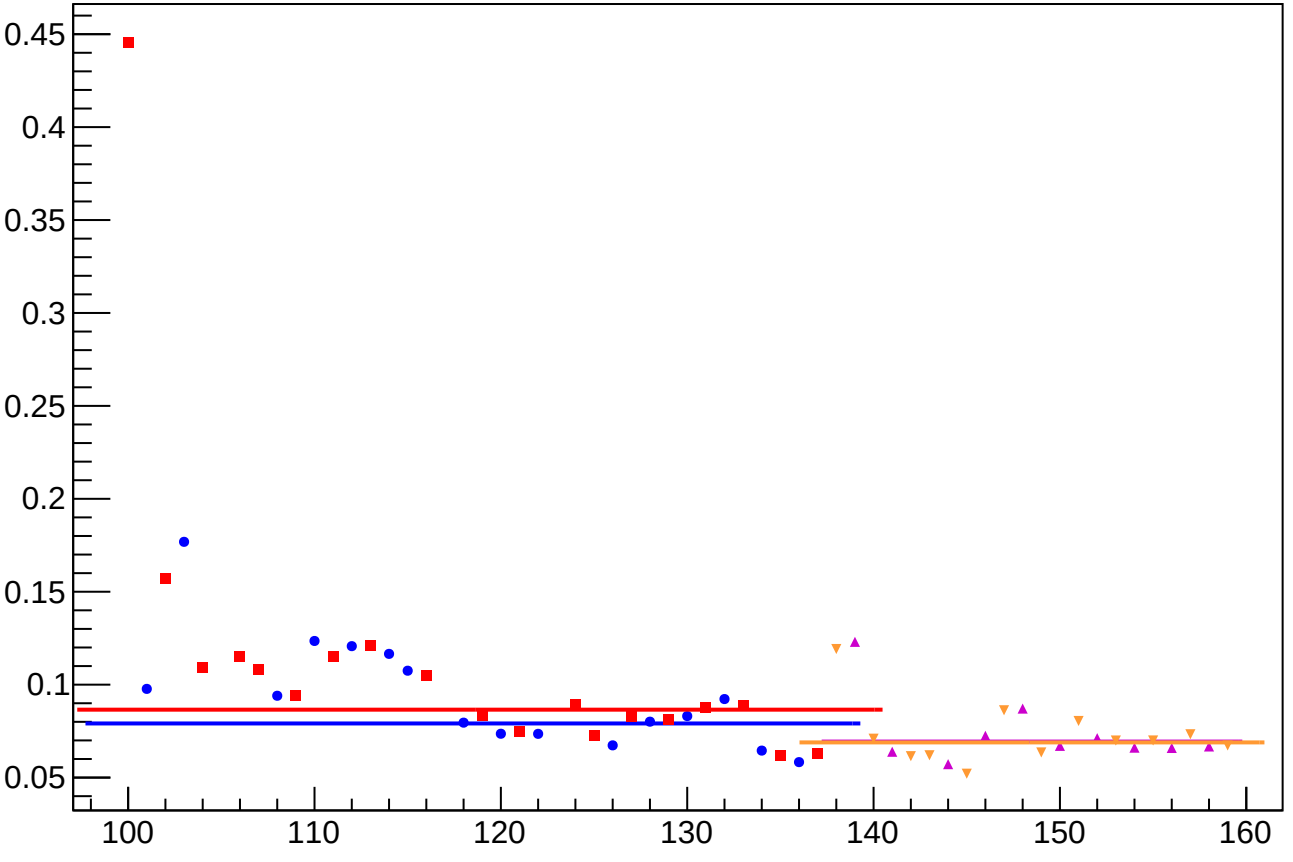
Left In: 15.319+/-0.000 χ^2/NDF:871785673.7/9

+ sign 14.961+/-0.000 χ^2/NDF: 2338380965.7/27

All: 15.055+/-0.000 χ^2/NDF: 5096210777.2/5

- sign 15.160+/-0.000 χ^2/NDF: 2709657537.0/28

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

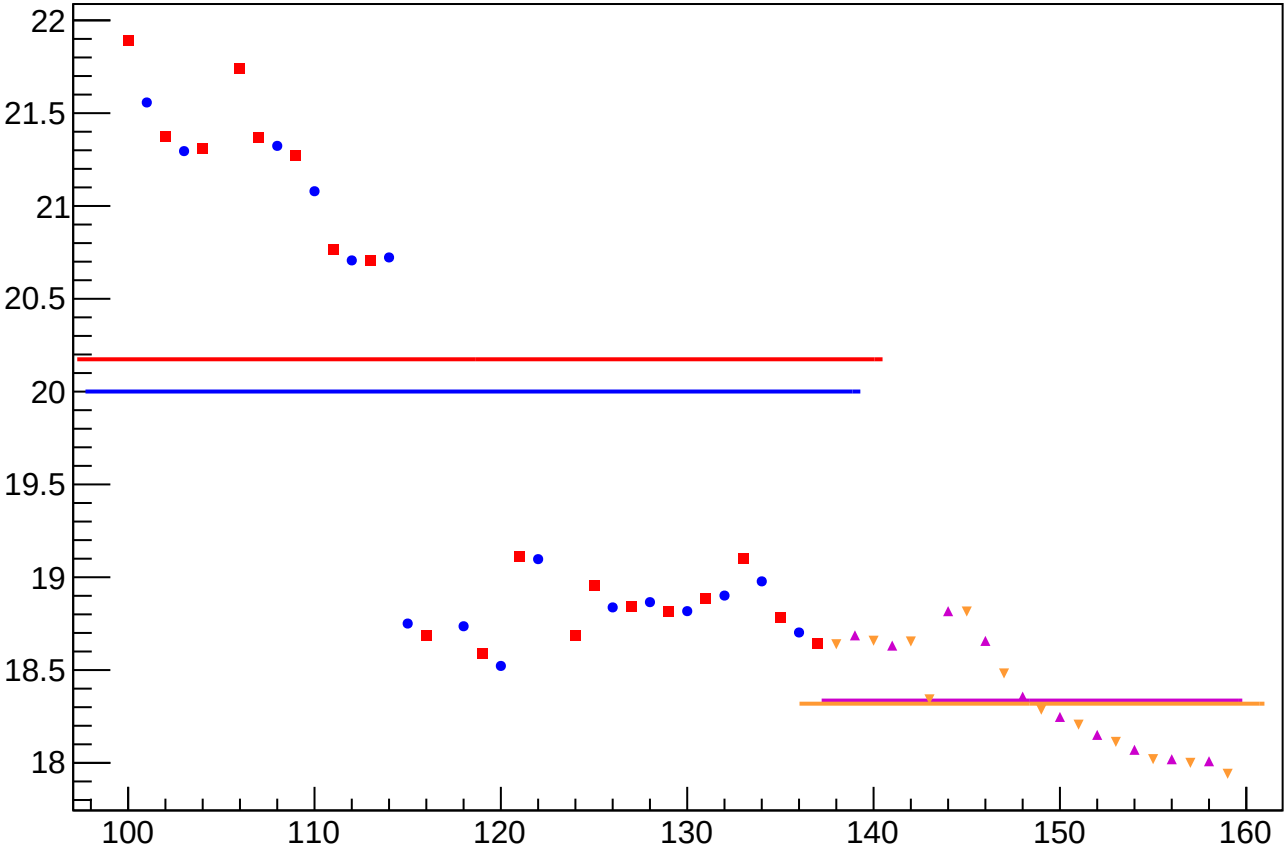
Left In: 0.069+/-0.000 χ^2/NDF:461659.4/9

+ sign 0.073+/-0.000 χ^2/NDF: 1558167.7/27

All: 0.074+/-0.000 χ^2/NDF: 3145070.1/56

- sign 0.075+/-0.000 χ^2/NDF: 1567849.2/28

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

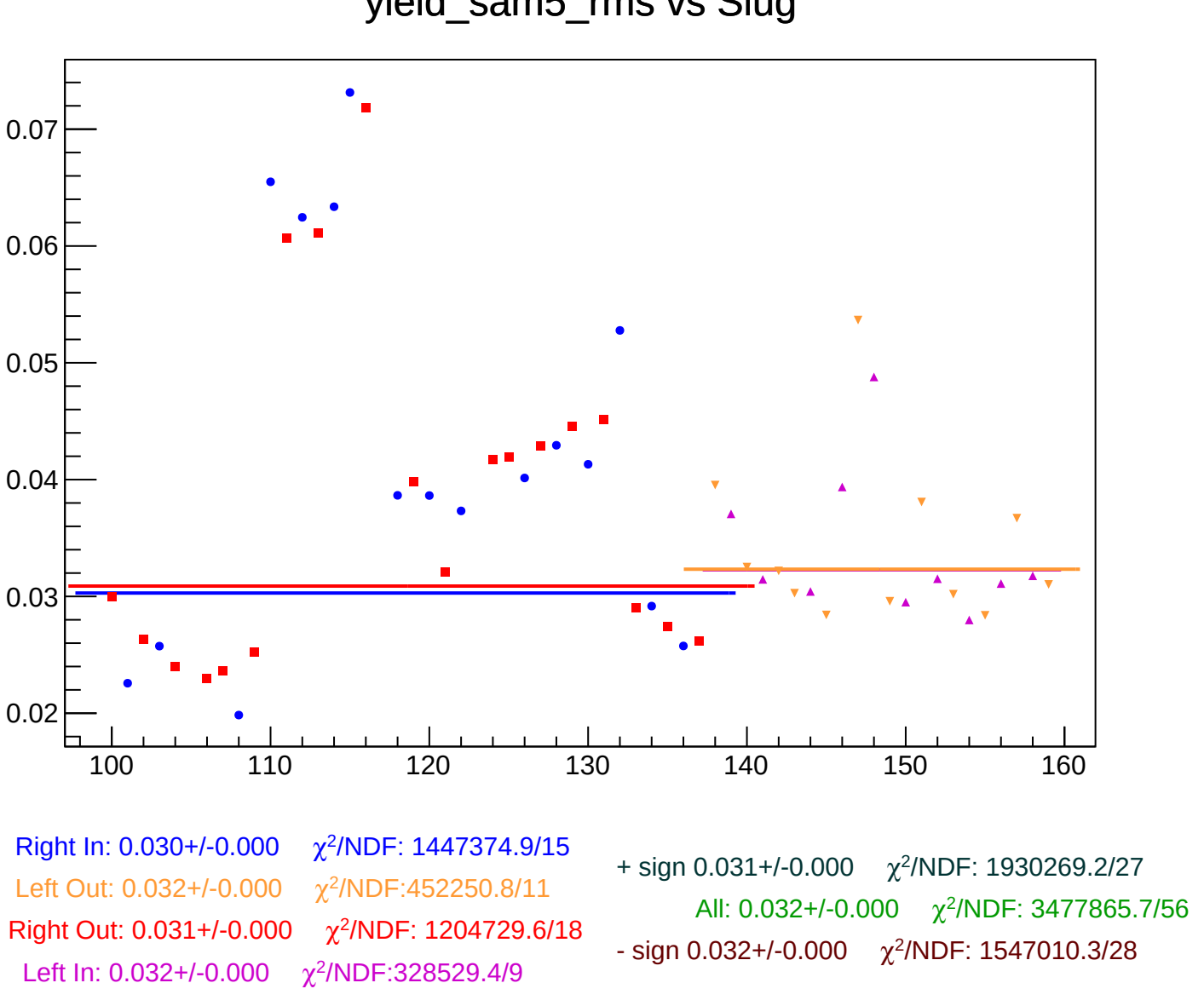
Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.336+/-0.000 χ^2/NDF:702936820.9/9

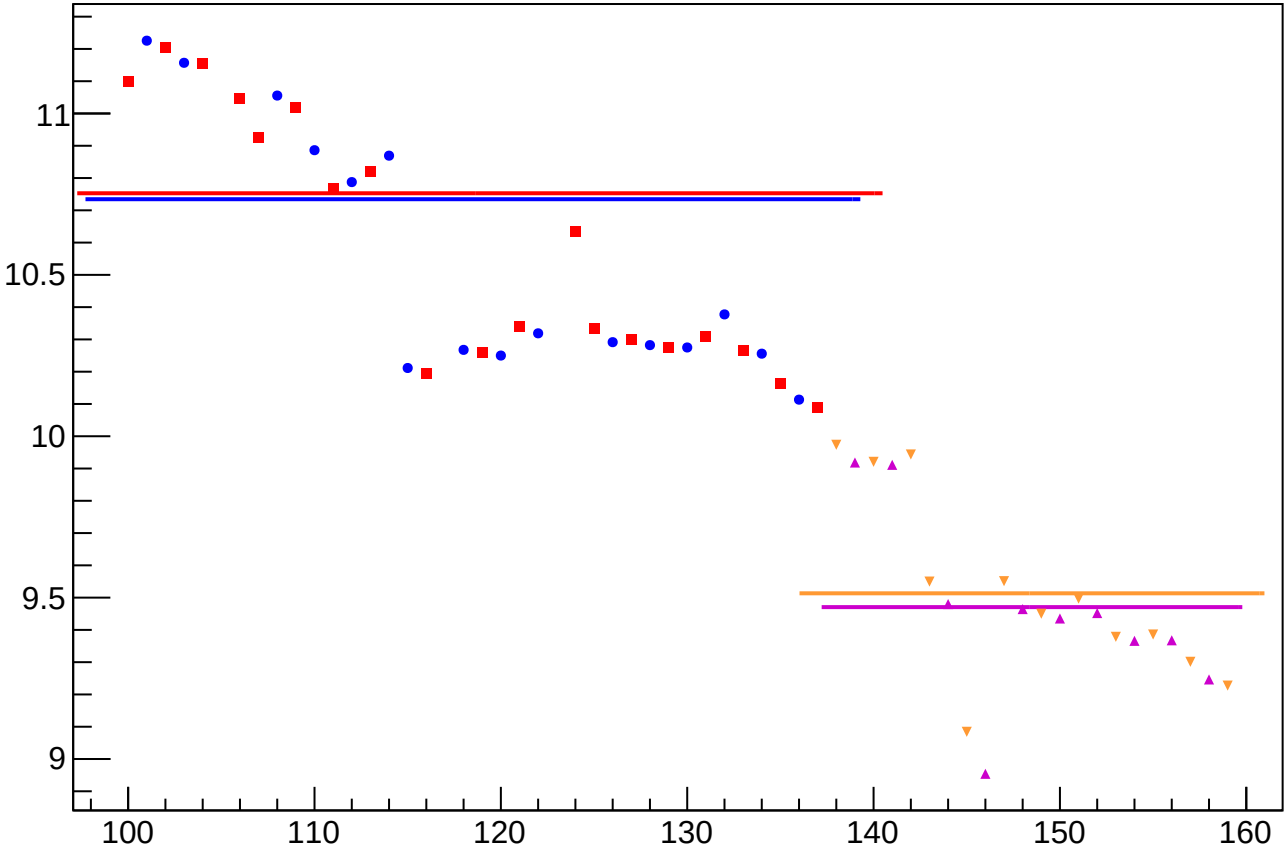
+ sign 19.047+/-0.000 χ^2/NDF: 22034139741.3/27

All: 19.107+/-0.000 χ^2/NDF: 45318529099.5

- sign 19.169+/-0.000 χ^2/NDF: 23175783646.4/28


yield_sam5_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
100
110
120
130
140
150
160
Right In: 0.030+/-0.000 χ²/NDF: 1447374.9/15
Left Out: 0.032+/-0.000 χ²/NDF:452250.8/11
Right Out: 0.031+/-0.000 χ²/NDF: 1204729.6/18
Left In: 0.032+/-0.000 χ²/NDF:328529.4/9
+ sign 0.031+/-0.000 χ²/NDF: 1930269.2/27
All: 0.032+/-0.000 χ²/NDF: 3477865.7/56
- sign 0.032+/-0.000 χ²/NDF: 1547010.3/28

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

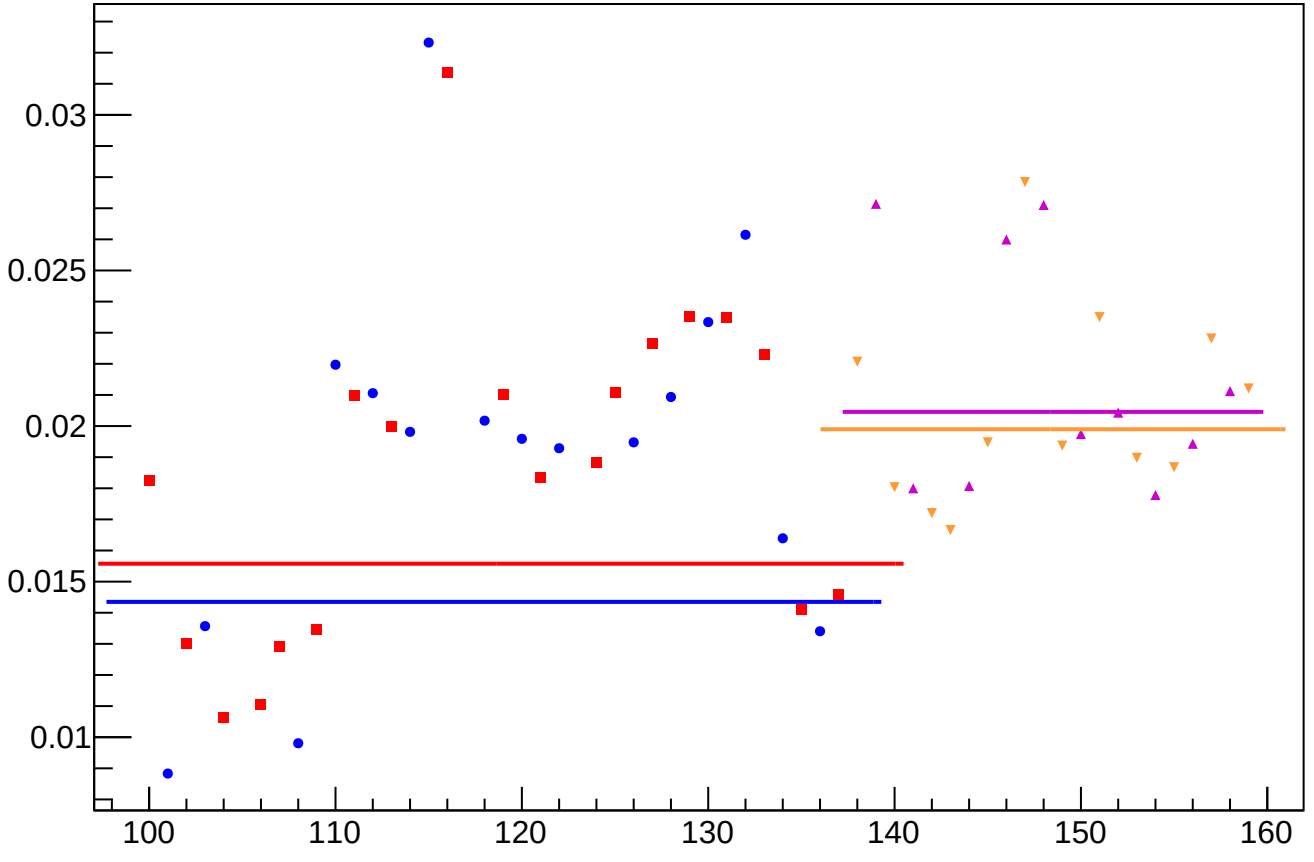
Left In: 9.471+/-0.000 χ^2/NDF:1168253881.9/9

+ sign 10.199+/-0.000 χ^2/NDF: 25488685294.6/27

All: 10.204+/-0.000 χ^2/NDF: 48761544761.8

- sign 10.210+/-0.000 χ^2/NDF: 23270293312.4/28

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:312416.0/11

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

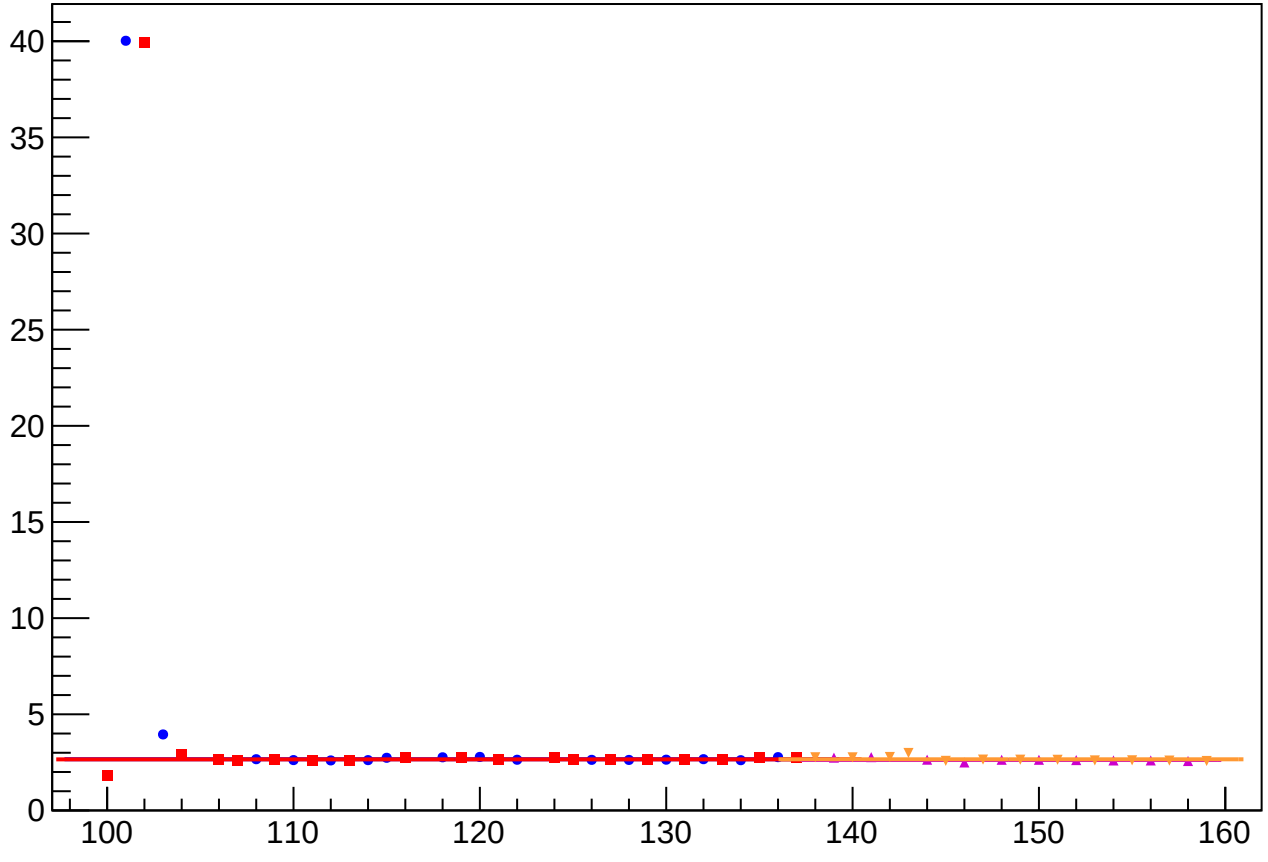
Left In: 0.020+/-0.000 χ^2/NDF:371551.0/9

+ sign 0.017+/-0.000 χ^2/NDF: 2538937.1/27

All: 0.017+/-0.000 χ^2/NDF: 4531174.5/56

- sign 0.018+/-0.000 χ^2/NDF: 1957622.1/28

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

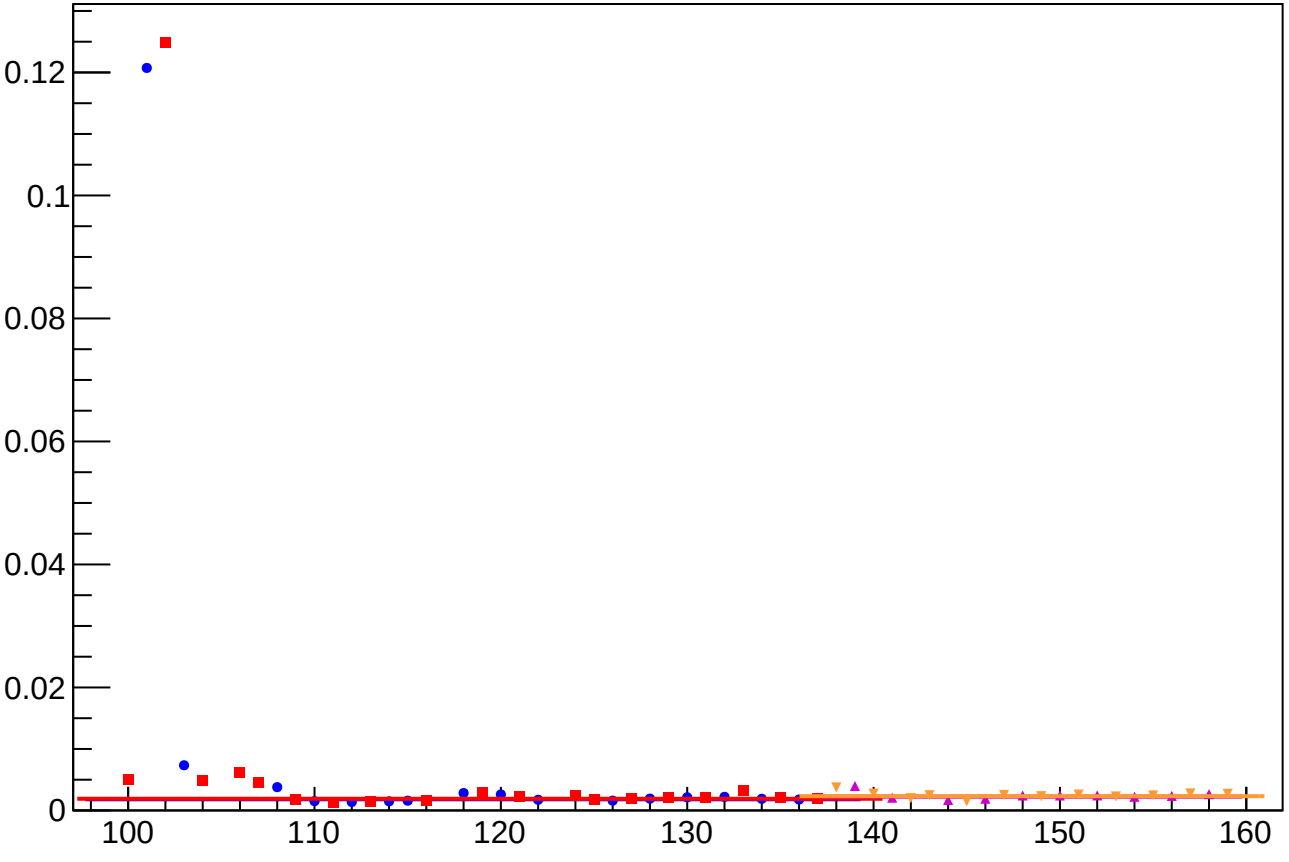
Left In: 2.623+/-0.000 χ^2/NDF:7914118182.0/9

+ sign 2.662+/-0.000 χ^2/NDF: 85727968907.4/27

All: 2.651+/-0.000 χ^2/NDF: 160131937029.5

- sign 2.640+/-0.000 χ^2/NDF: 73733700725.8/28

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

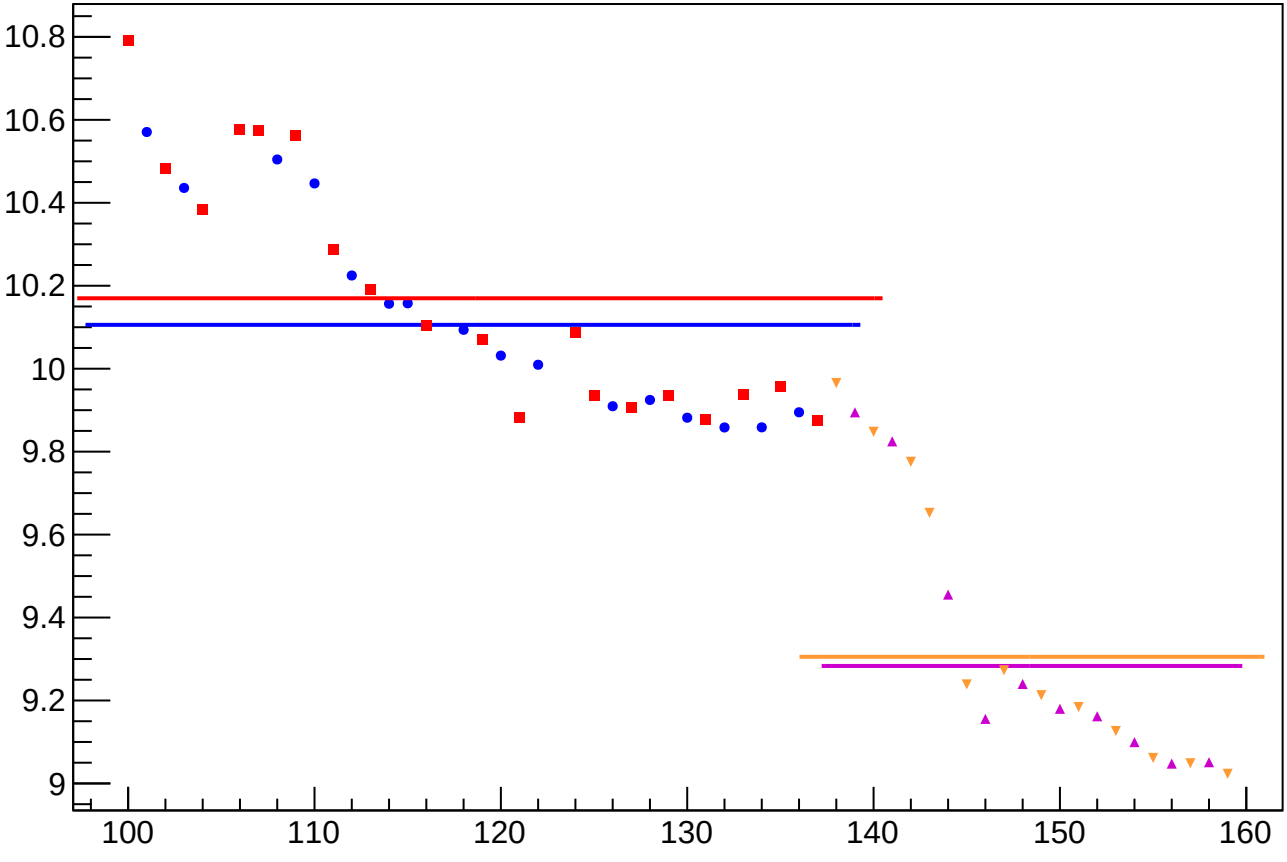
Left In: 0.002+/-0.000 χ^2/NDF:566292.3/9

+ sign 0.002+/-0.000 χ^2/NDF: 2921458.8/27

All: 0.002+/-0.000 χ^2/NDF: 6177360.2/56

- sign 0.002+/-0.000 χ^2/NDF: 3255809.7/28

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

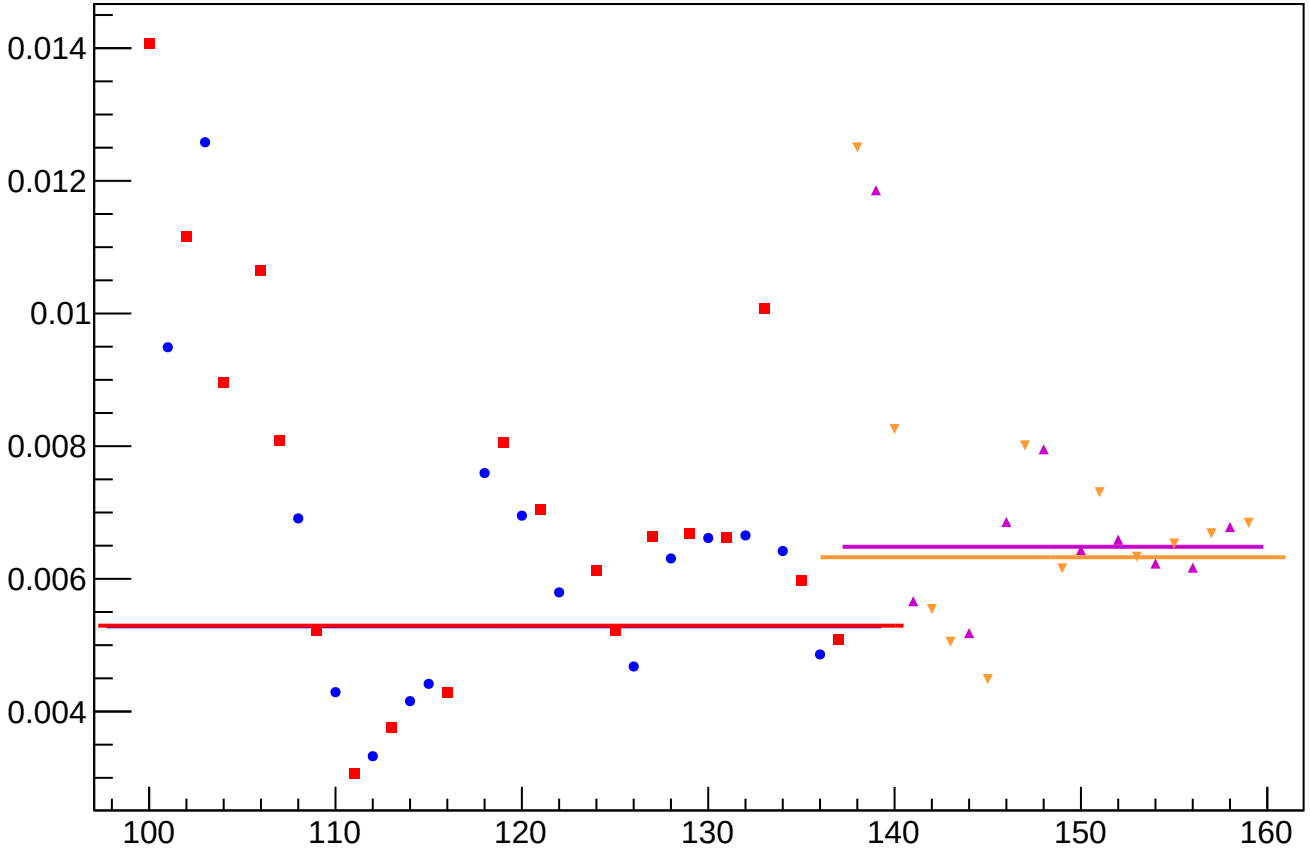
Left In: 9.283+/-0.000 χ^2/NDF:11754720972.2/9

+ sign 9.714+/-0.000 χ^2/NDF: 84008697659.6/27

All: 9.738+/-0.000 χ^2/NDF: 176181111266.5

- sign 9.764+/-0.000 χ^2/NDF: 91699883292.5/28

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

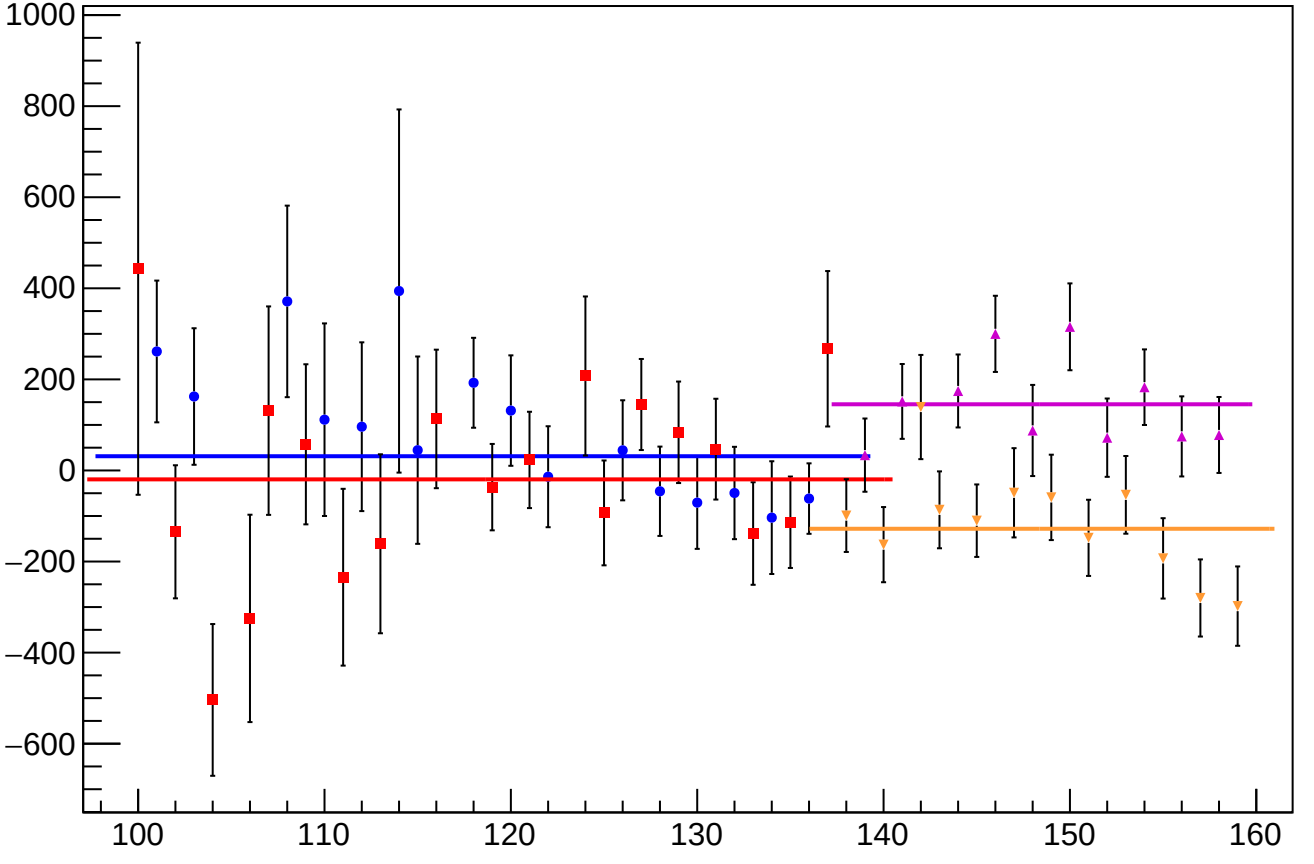
Left In: 0.006+/-0.000 χ^2/NDF:495582.5/9

+ sign 0.006+/-0.000 χ^2/NDF: 2278703.9/27

All: 0.006+/-0.000 χ^2/NDF: 4822181.5/56

- sign 0.006+/-0.000 χ^2/NDF: 2542767.4/28

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

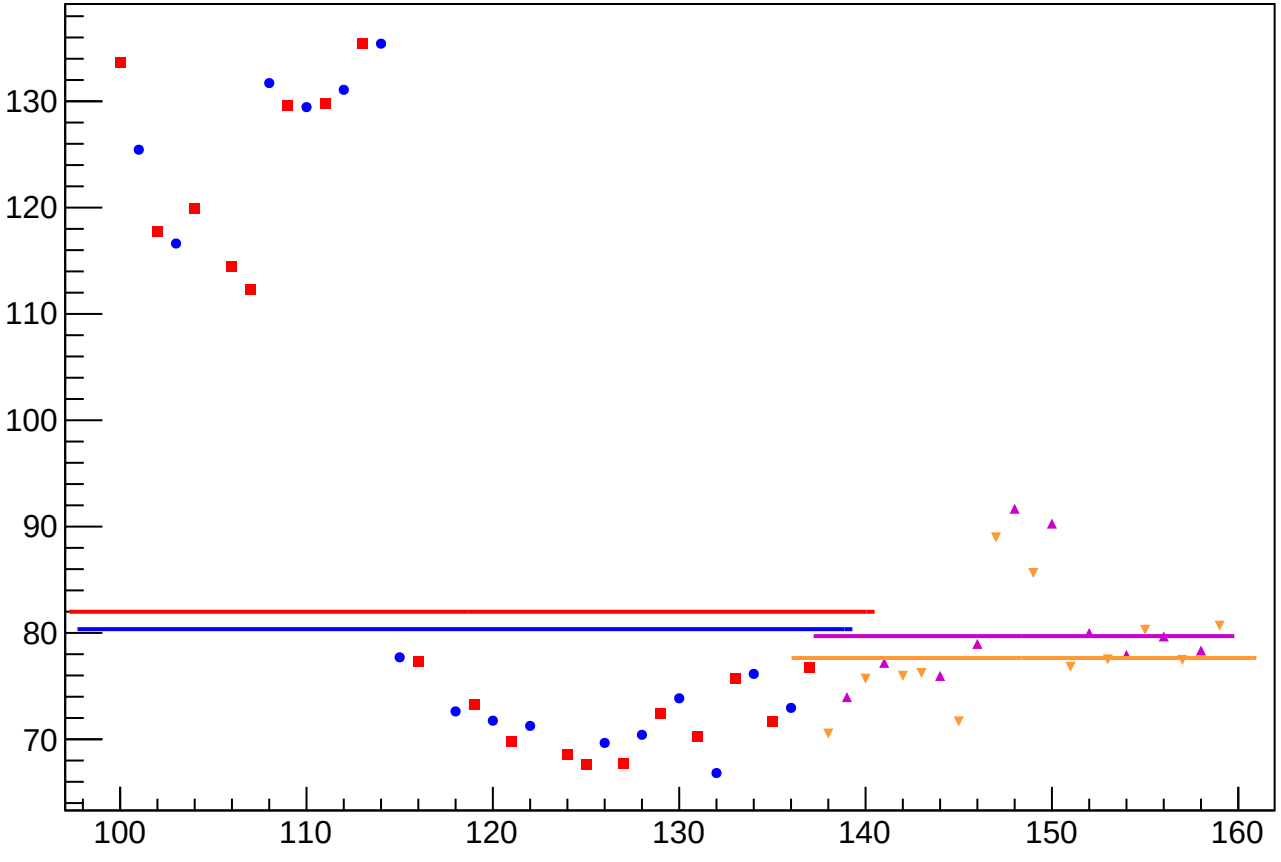
Left In: 145.332+/-27.070 χ^2/NDF:11.2/9

+ sign -64.161+/-19.496 χ^2/NDF: 46.7/27

All: 1.836+/-14.097 χ^2/NDF: 123.9/56

- sign 74.141+/-20.407 χ^2/NDF: 53.1/28

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

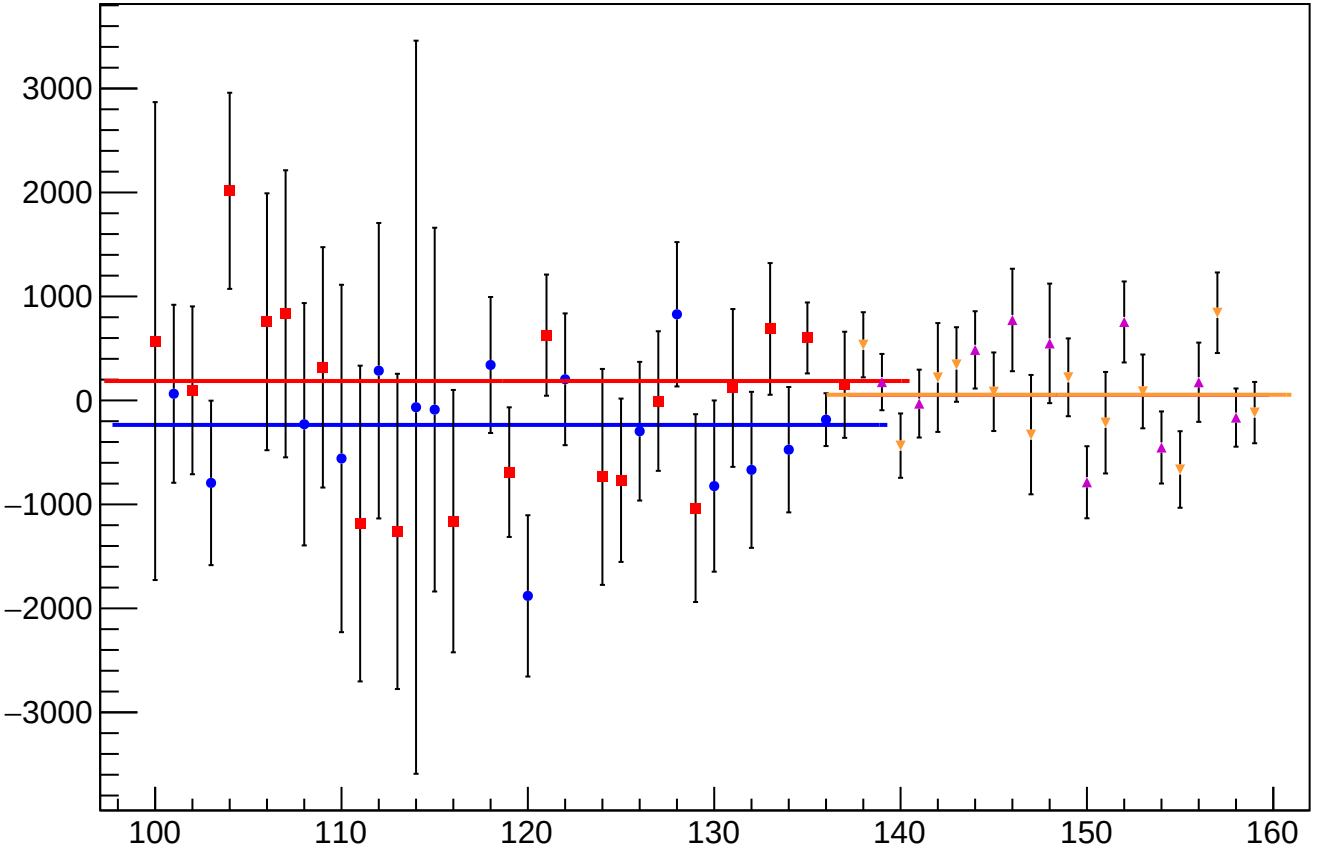
Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

+ sign 78.729+/-0.014 χ^2/NDF: 924292.7/27

All: 79.665+/-0.010 χ^2/NDF: 1943790.6/56

- sign 80.691+/-0.014 χ^2/NDF: 1009828.8/28

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

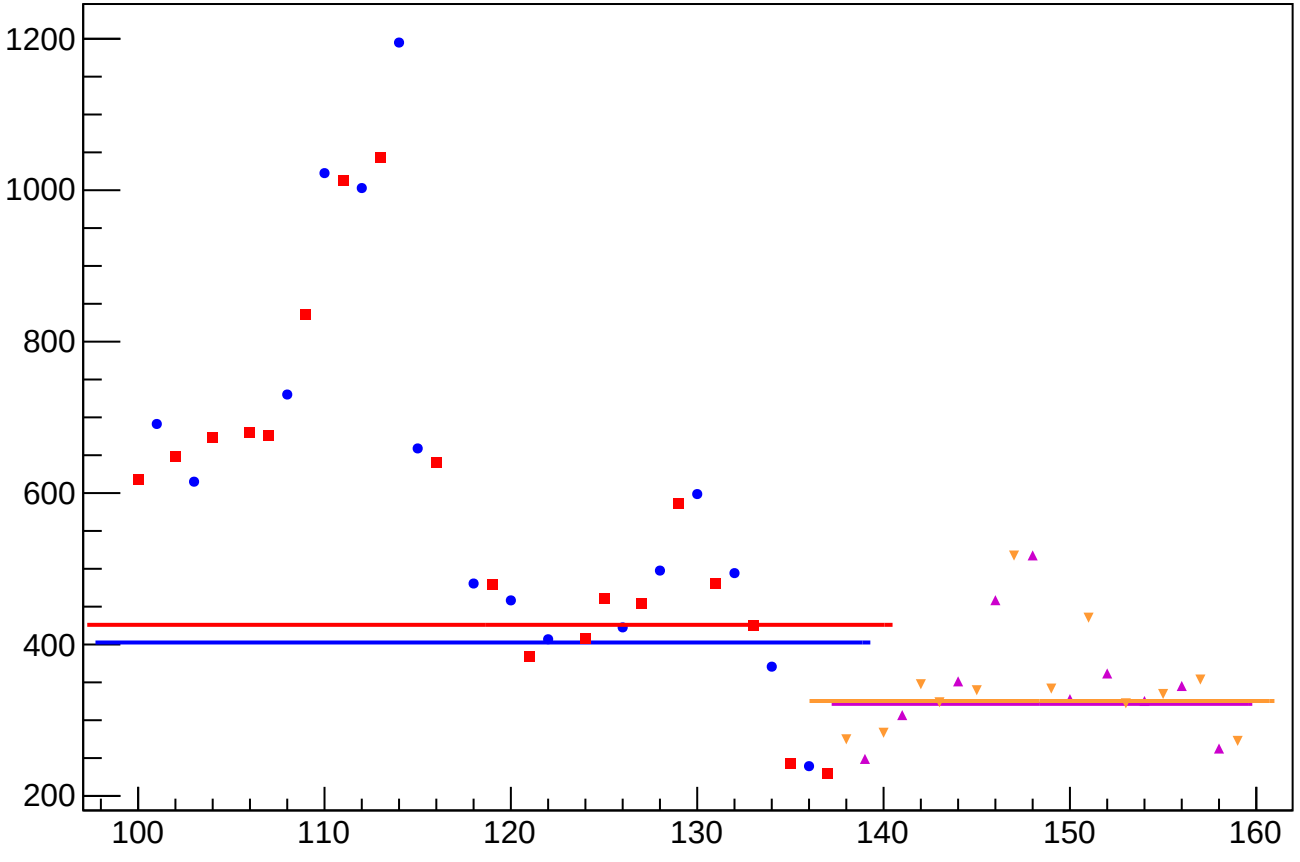
Left In: 52.773+/-111.606 χ^2/NDF:16.5/9

+ sign -32.638+/-89.728 χ^2/NDF: 27.0/27

All: 27.667+/-64.694 χ^2/NDF: 60.8/56

- sign 92.955+/-93.362 χ^2/NDF: 32.9/28

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

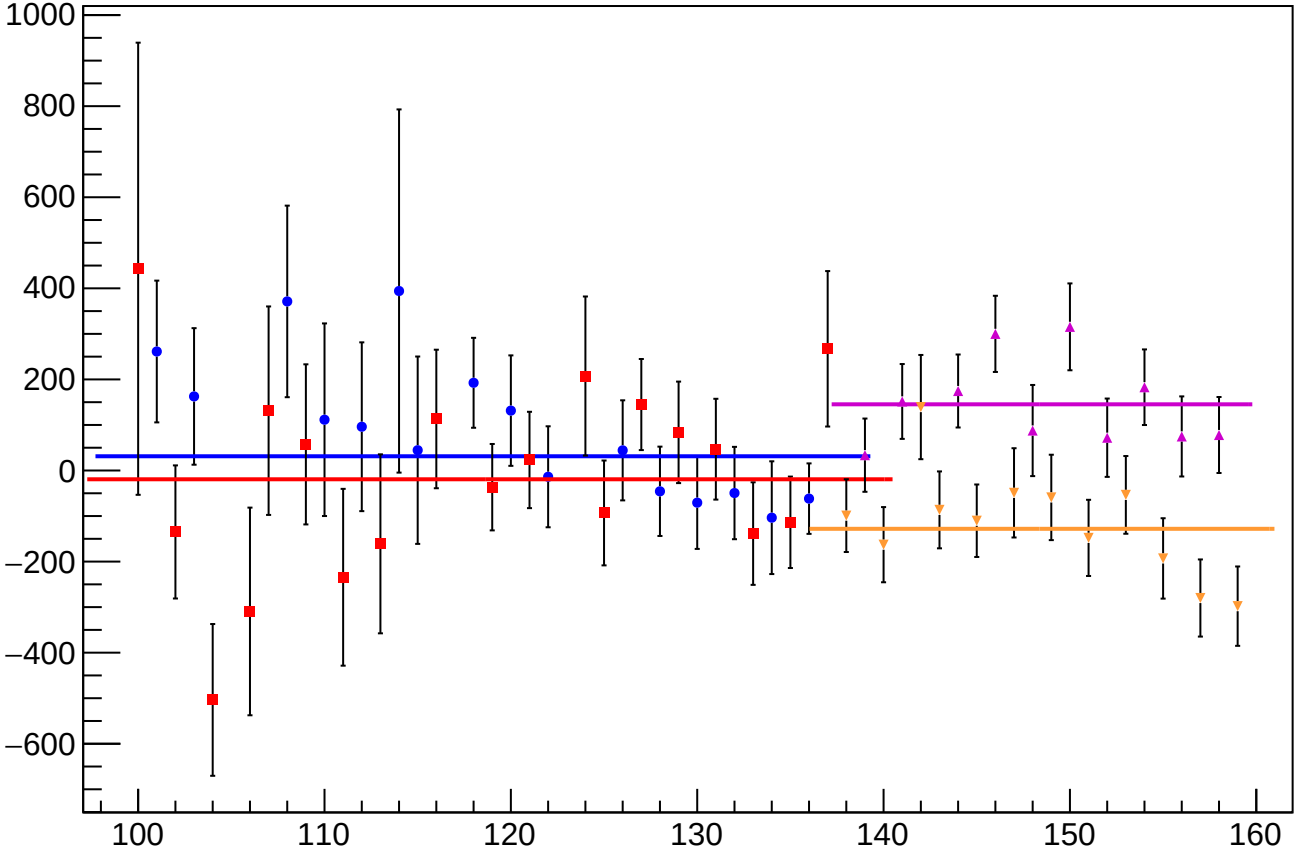
Left In: 321.618+/-0.079 χ^2/NDF:666783.2/9

+ sign 348.582+/-0.063 χ^2/NDF: 3172465.2/27

All: 350.679+/-0.046 χ^2/NDF: 6735322.2/56

- sign 352.949+/-0.066 χ^2/NDF: 3560581.8/28

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

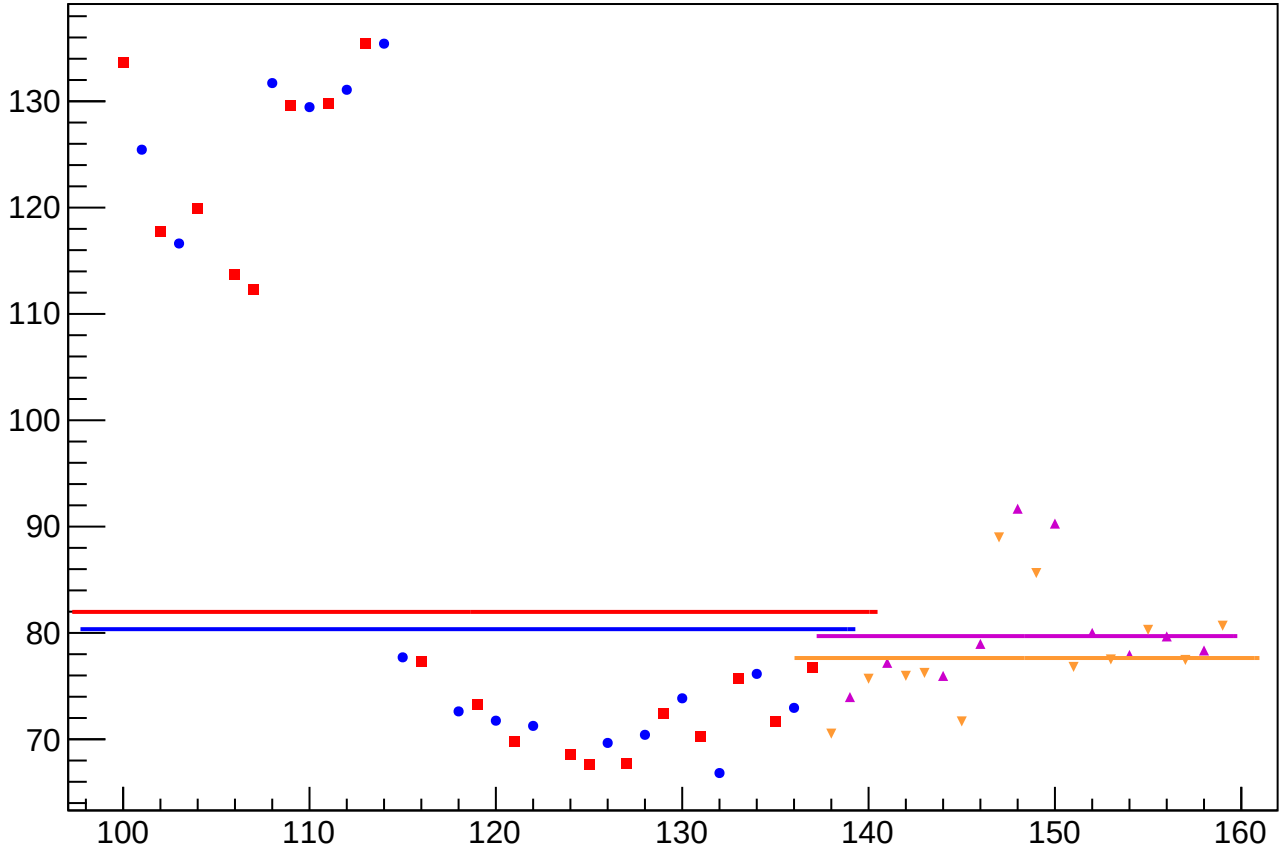
Left In: 145.334+/-27.070 χ^2/NDF:11.2/9

+ sign -64.154+/-19.496 χ^2/NDF: 46.7/27

All: 1.900+/-14.097 χ^2/NDF: 123.7/56

- sign 74.271+/-20.407 χ^2/NDF: 52.9/28

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

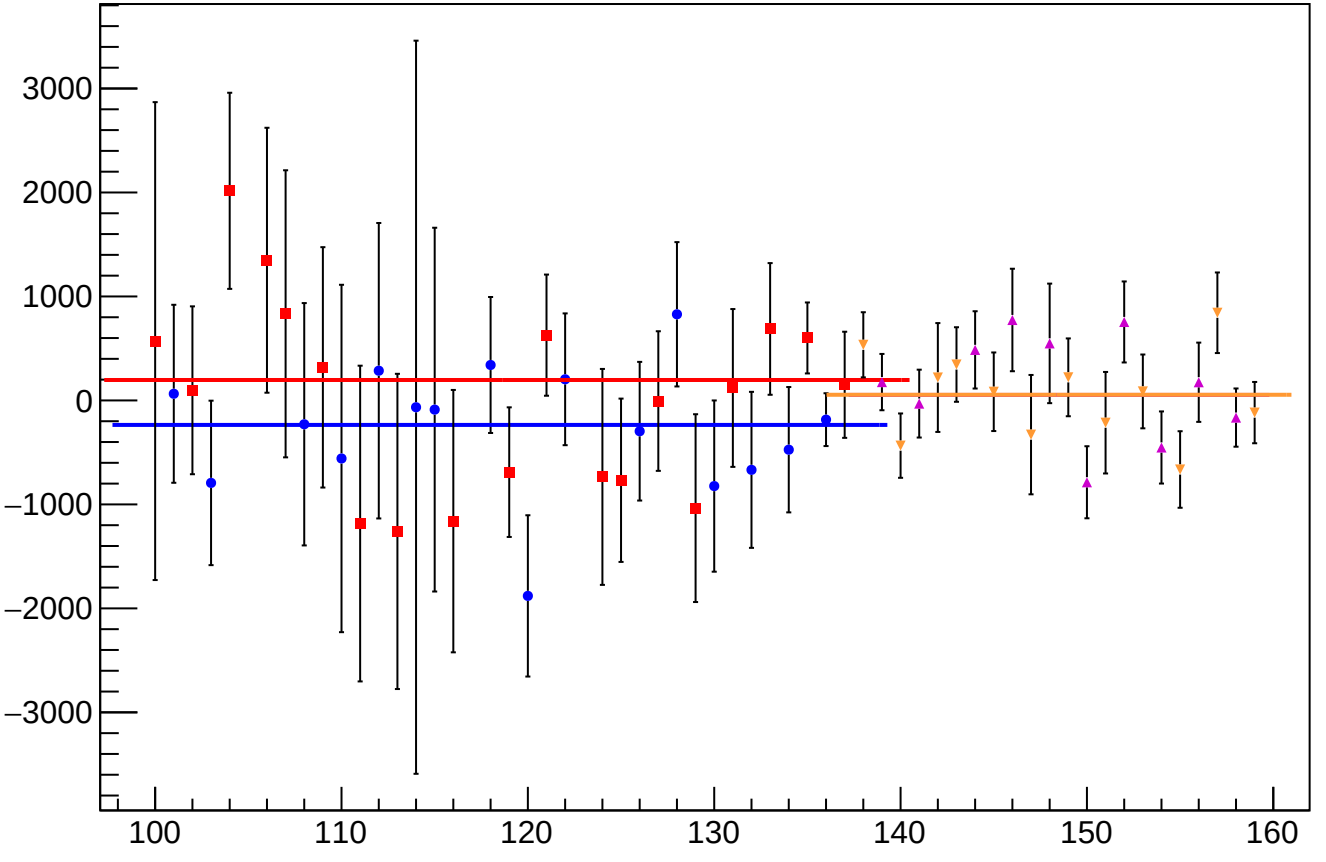
Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

+ sign 78.729+/-0.014 χ^2/NDF: 924292.9/27

All: 79.662+/-0.010 χ^2/NDF: 1941774.1/56

- sign 80.685+/-0.014 χ^2/NDF: 1007876.5/28

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

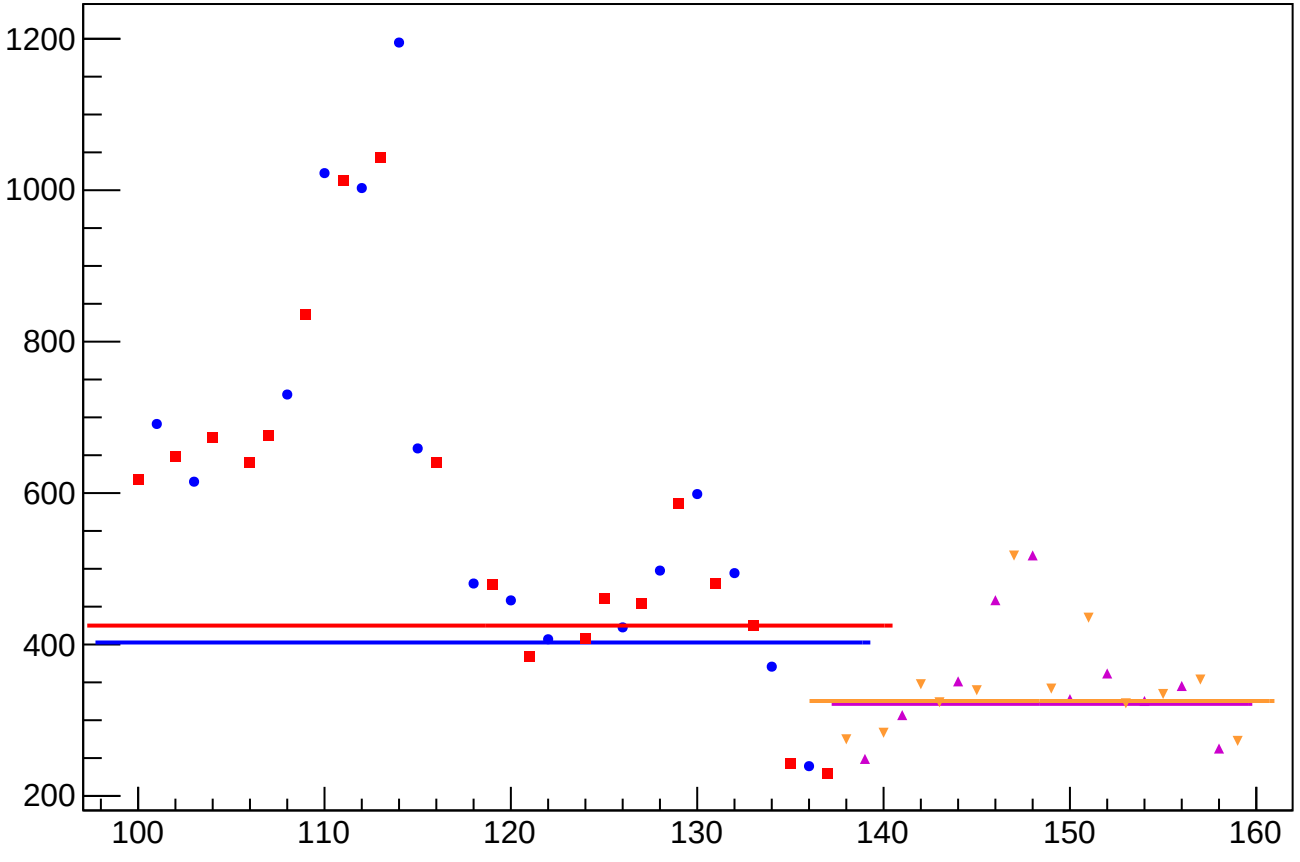
Left In: 52.777+/-111.606 χ^2/NDF:16.5/9

+ sign -32.637+/-89.728 χ^2/NDF: 27.0/27

All: 29.077+/-64.699 χ^2/NDF: 61.5/56

- sign 95.914+/-93.378 χ^2/NDF: 33.5/28

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

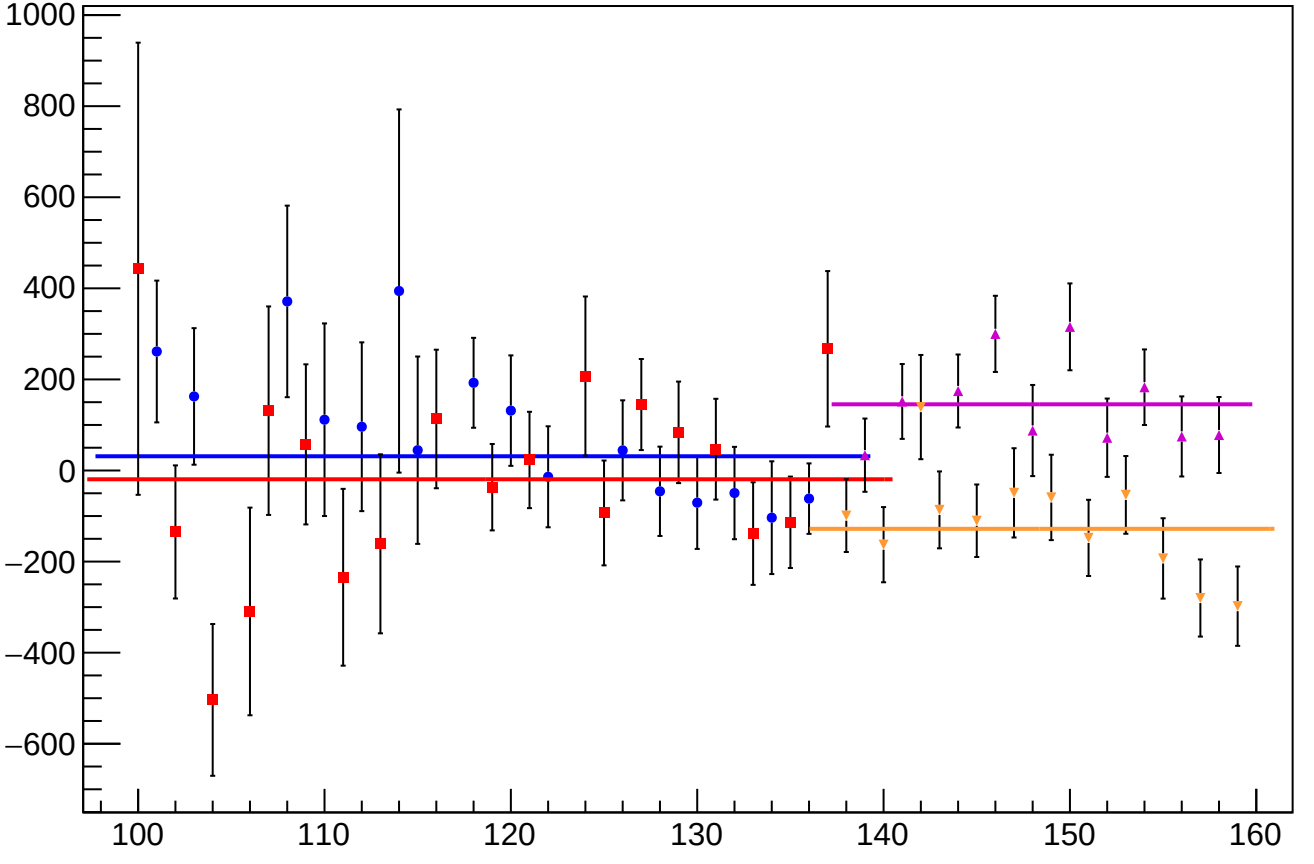
Left In: 321.619+/-0.079 χ^2/NDF:666783.4/9

+ sign 348.582+/-0.063 χ^2/NDF: 3172471.5/27

All: 350.524+/-0.046 χ^2/NDF: 6696889.7/56

- sign 352.627+/-0.066 χ^2/NDF: 3522466.8/28

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

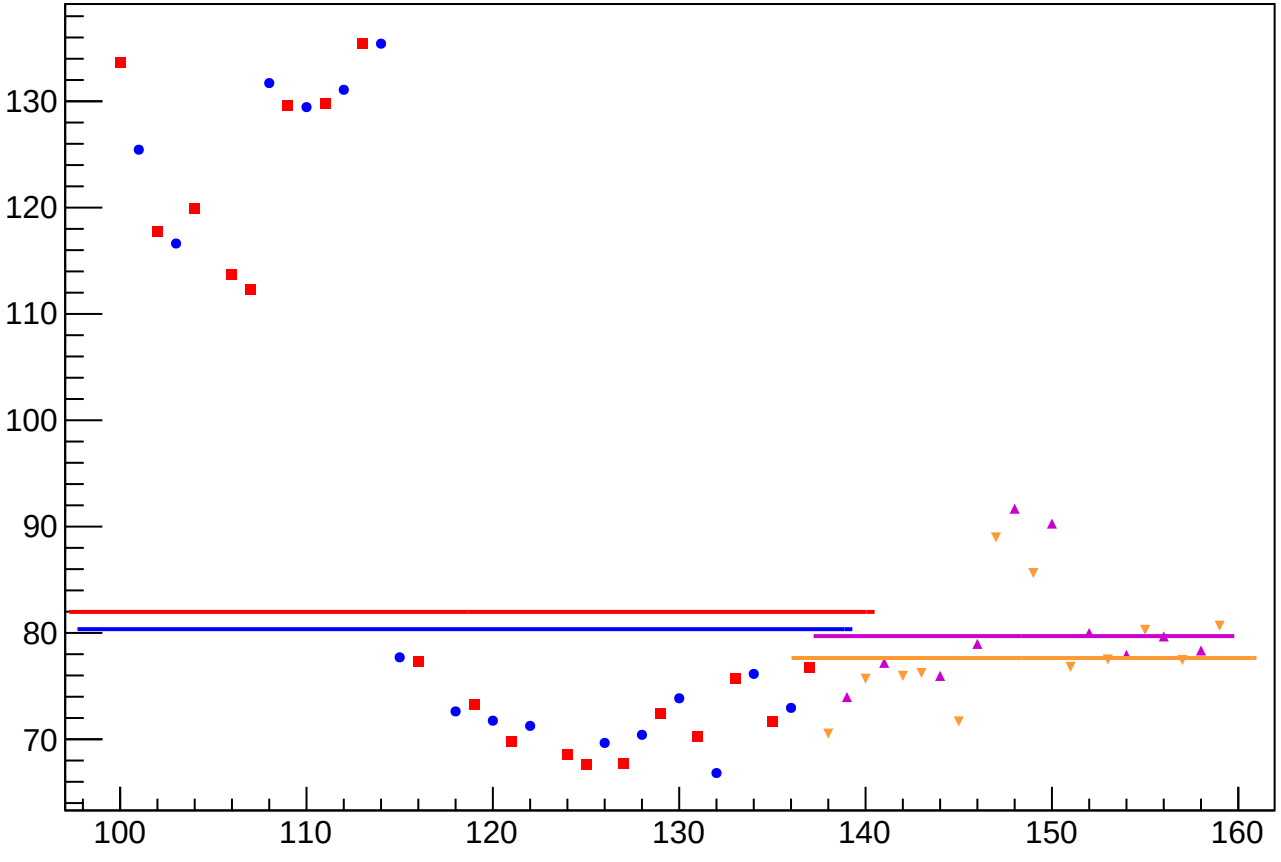
Left In: 145.334+/-27.070 χ^2/NDF:11.2/9

+ sign -64.154+/-19.496 χ^2/NDF: 46.7/27

All: 1.900+/-14.097 χ^2/NDF: 123.7/56

- sign 74.271+/-20.407 χ^2/NDF: 52.9/28

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

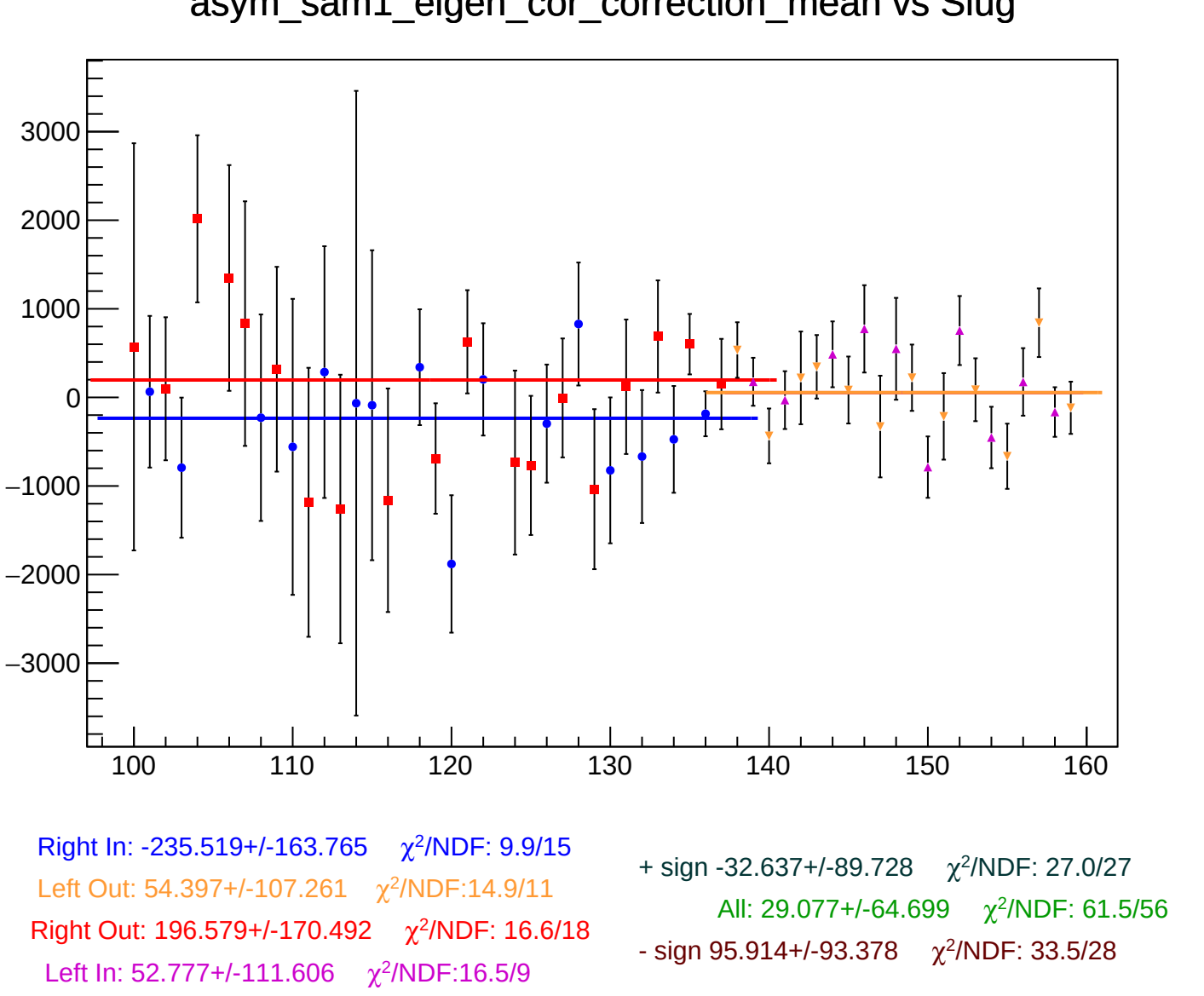
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.702+/-0.019 χ^2/NDF:71308.4/9

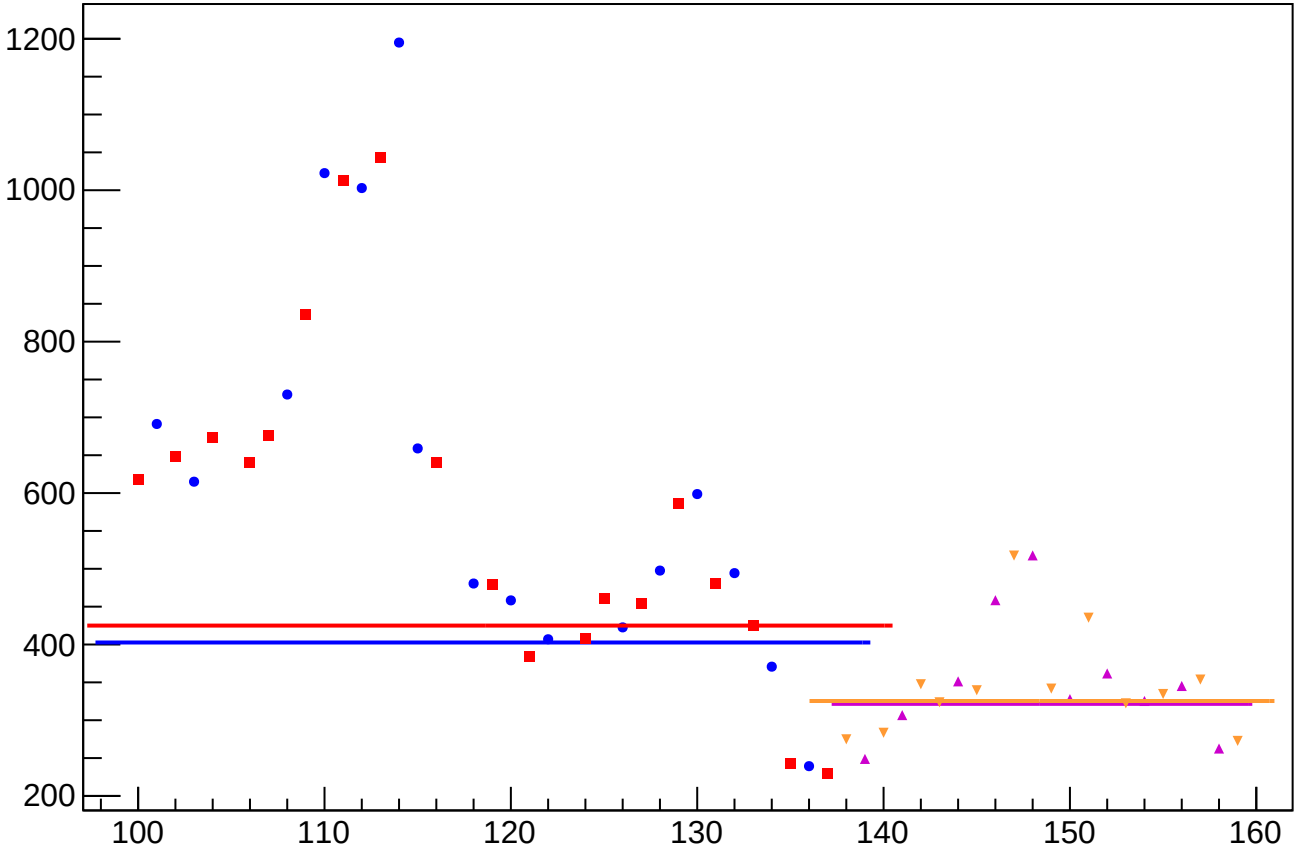
+ sign 78.729+/-0.014 χ^2/NDF: 924292.9/27

All: 79.662+/-0.010 χ^2/NDF: 1941774.1/56

- sign 80.685+/-0.014 χ^2/NDF: 1007876.5/28


asym_sam1_eigen_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -235.519+/-163.765 χ²/NDF: 9.9/15
Left Out: 54.397+/-107.261 χ²/NDF:14.9/11
Right Out: 196.579+/-170.492 χ²/NDF: 16.6/18
Left In: 52.777+/-111.606 χ²/NDF:16.5/9
+ sign -32.637+/-89.728 χ²/NDF: 27.0/27
All: 29.077+/-64.699 χ²/NDF: 61.5/56
- sign 95.914+/-93.378 χ²/NDF: 33.5/28

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

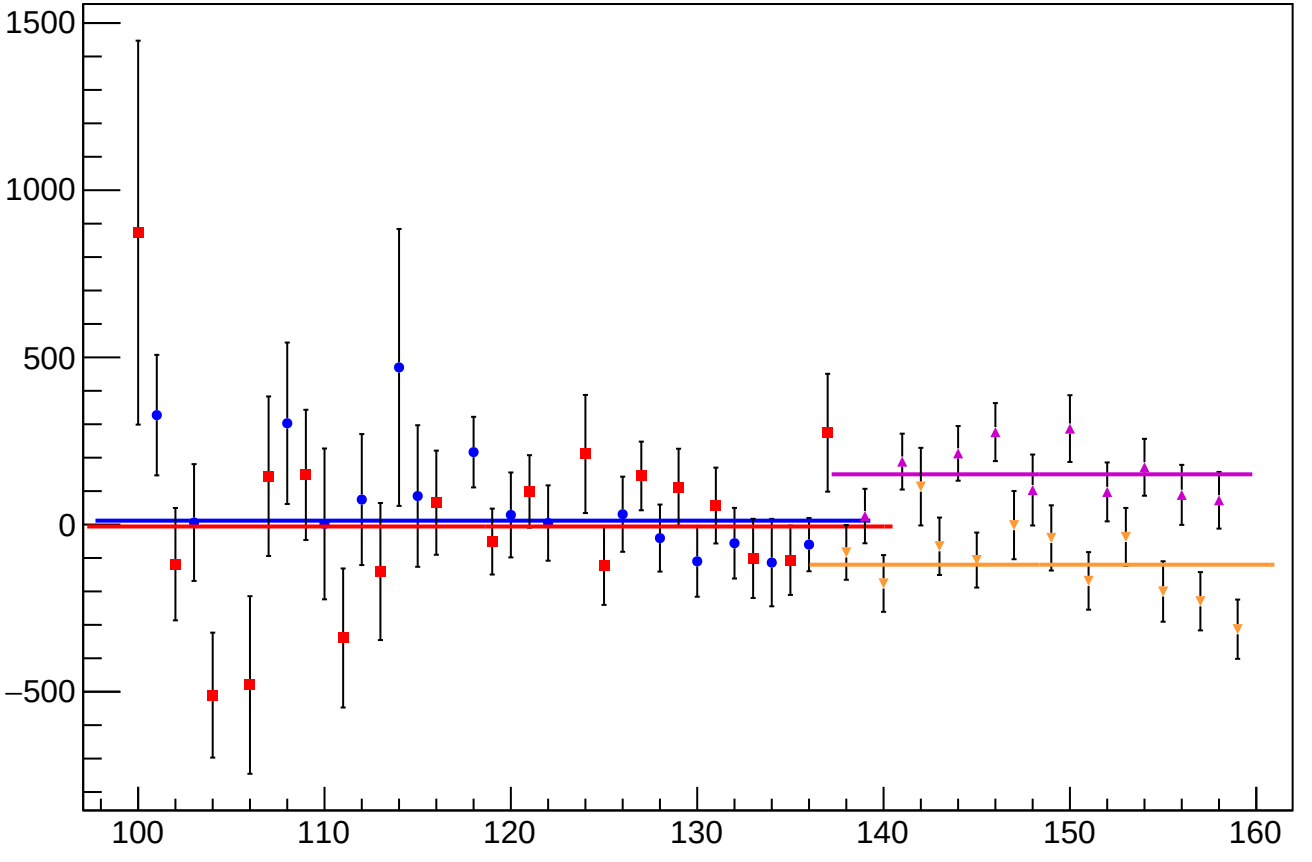
Left In: 321.619+/-0.079 χ^2/NDF:666783.4/9

+ sign 348.582+/-0.063 χ^2/NDF: 3172471.5/27

All: 350.524+/-0.046 χ^2/NDF: 6696889.7/56

- sign 352.627+/-0.066 χ^2/NDF: 3522466.8/28

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

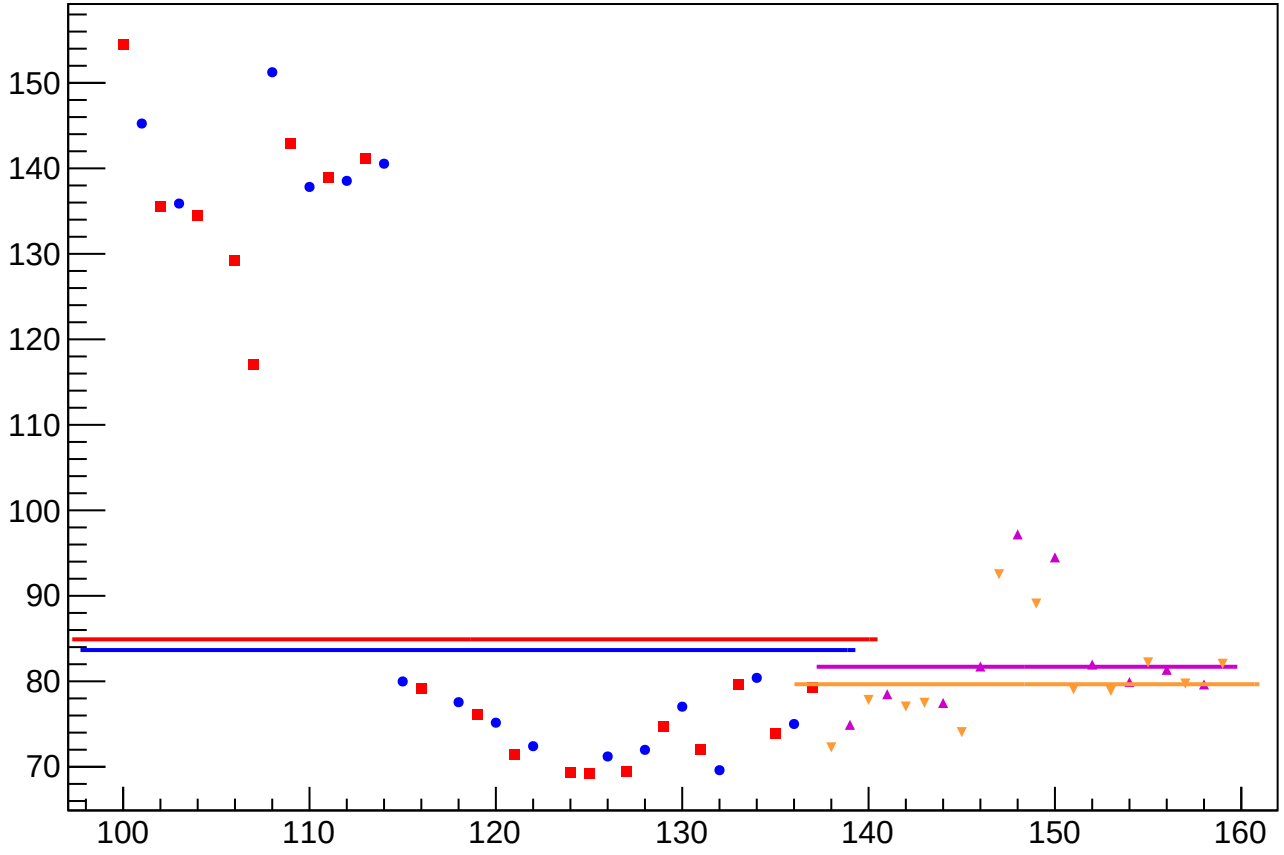
Left In: 150.256+/-27.783 χ^2/NDF:9.1/9

+ sign -68.613+/-20.184 χ^2/NDF: 39.1/27

All: 4.409+/-14.586 χ^2/NDF: 117.7/56

- sign 84.226+/-21.103 χ^2/NDF: 51.2/28

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

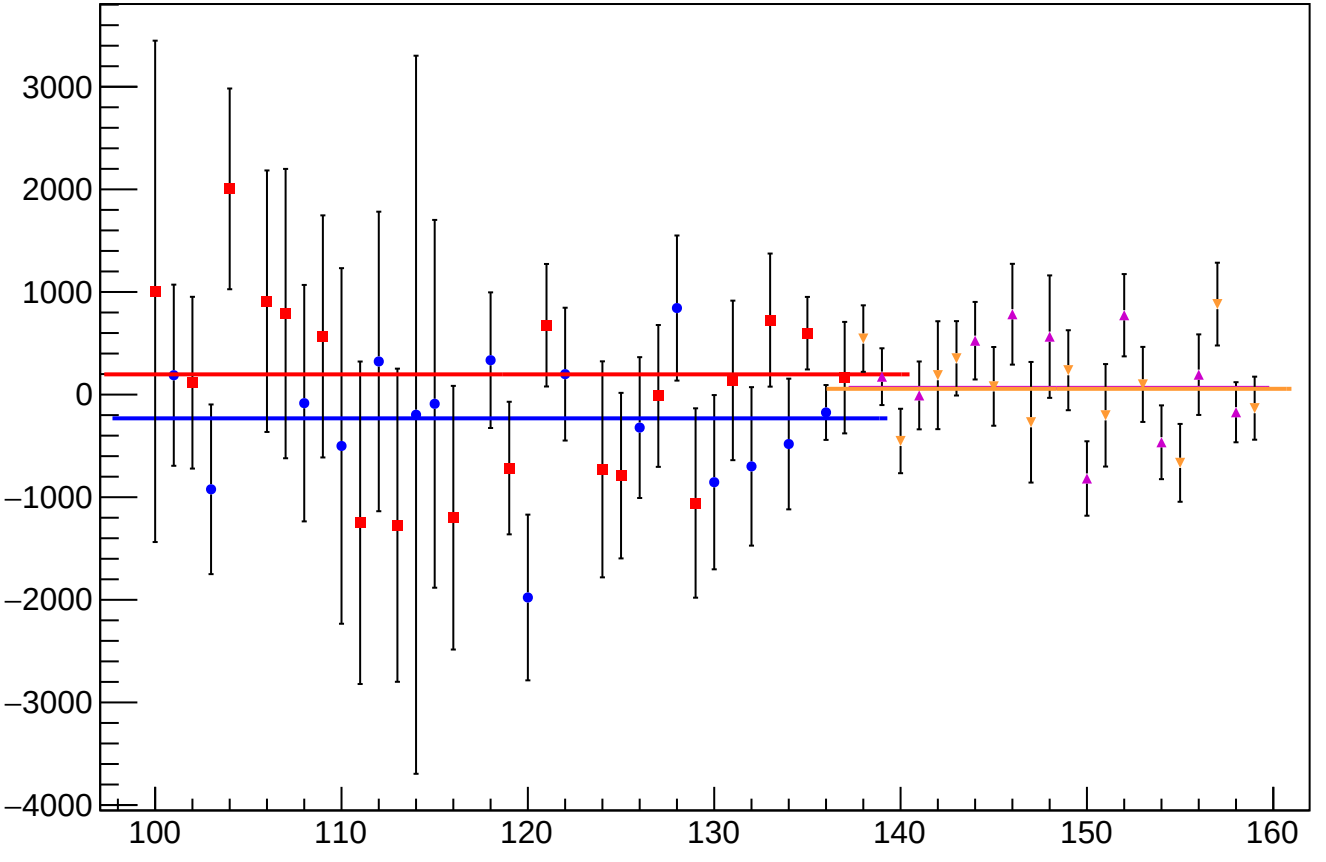
Left In: 81.704+/-0.020 χ^2/NDF:99813.4/9

+ sign 81.221+/-0.014 χ^2/NDF: 1136161.7/27

All: 82.100+/-0.010 χ^2/NDF: 2376881.7/56

- sign 83.062+/-0.015 χ^2/NDF: 1232771.0/28

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

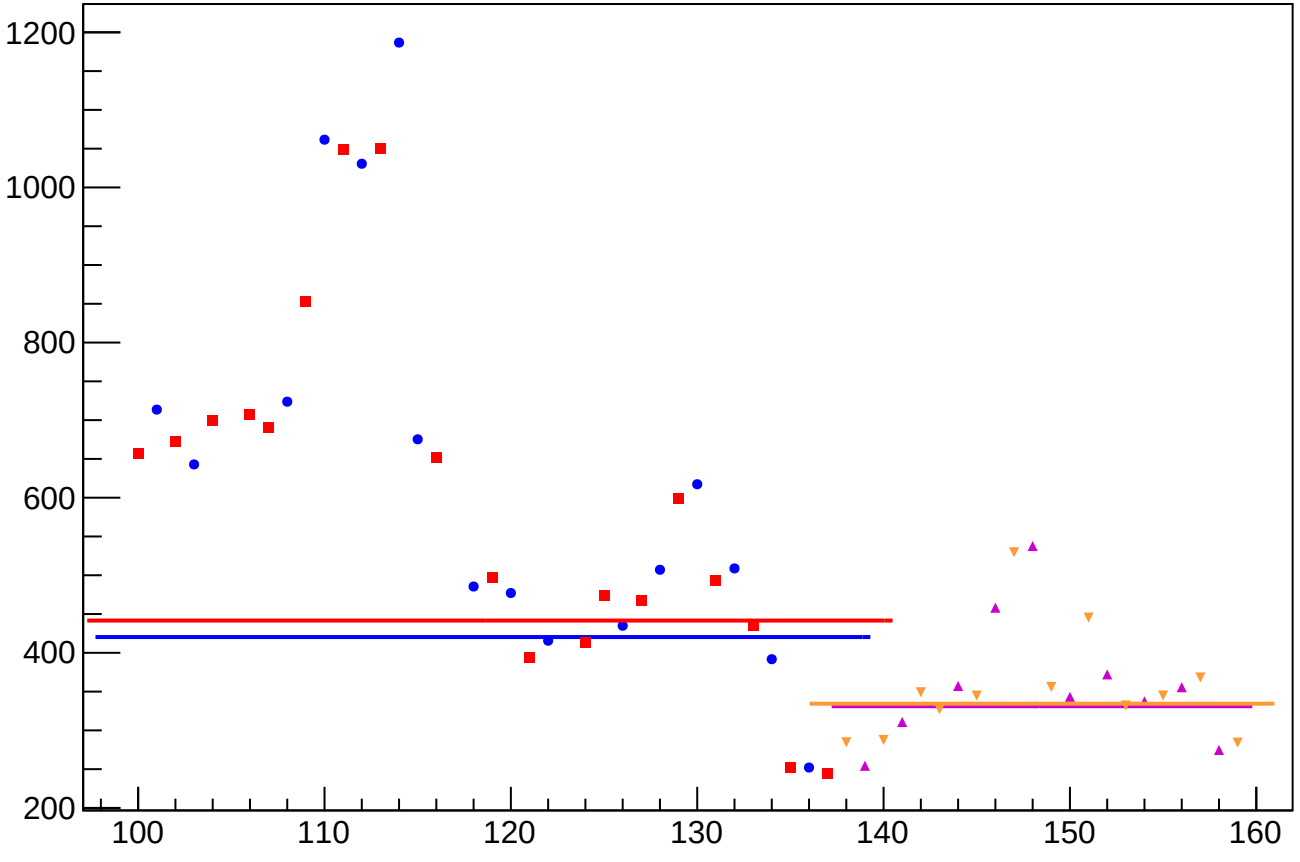
Left In: 65.630+/-114.803 χ^2/NDF:16.5/9

+ sign -28.680+/-92.494 χ^2/NDF: 27.1/27

All: 35.496+/-66.665 χ^2/NDF: 60.8/56

- sign 104.874+/-96.170 χ^2/NDF: 32.8/28

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

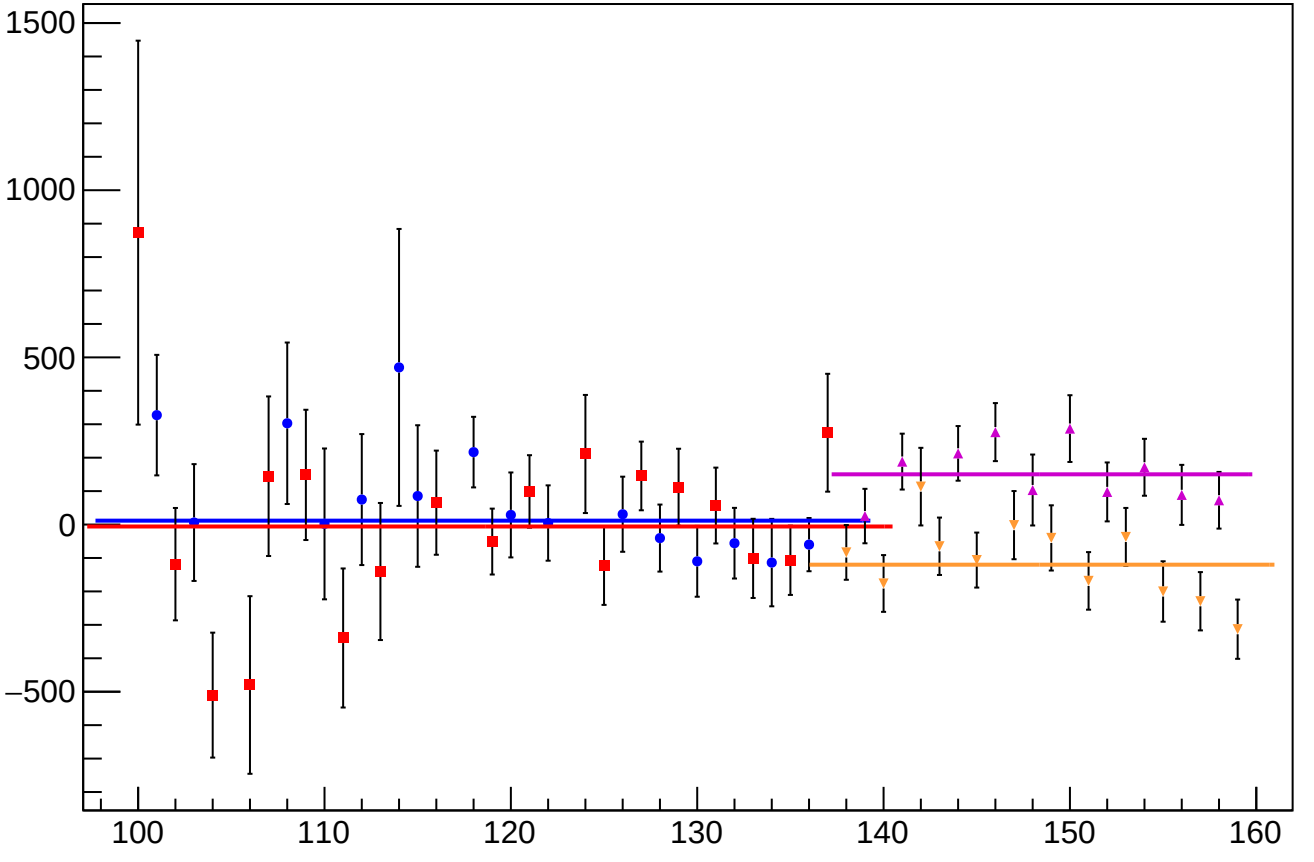
Left In: 331.114+/-0.081 χ^2/NDF:650193.6/9

+ sign 359.825+/-0.065 χ^2/NDF: 3103809.7/27

All: 361.864+/-0.047 χ^2/NDF: 6616103.6/56

- sign 364.067+/-0.068 χ^2/NDF: 3510272.0/28

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

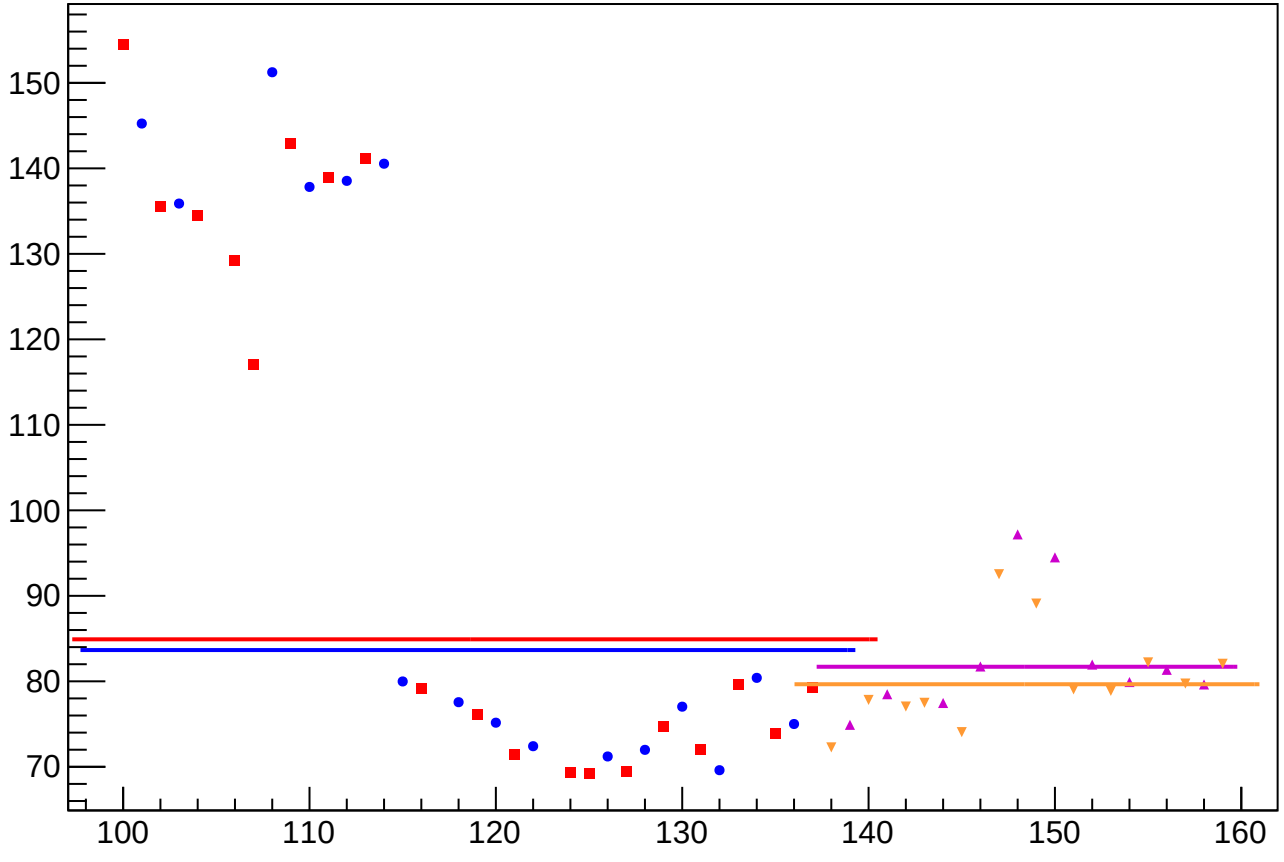
Left In: 150.256+/-27.783 χ^2/NDF:9.1/9

+ sign -68.612+/-20.184 χ^2/NDF: 39.1/27

All: 4.410+/-14.586 χ^2/NDF: 117.7/56

- sign 84.226+/-21.103 χ^2/NDF: 51.2/28

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

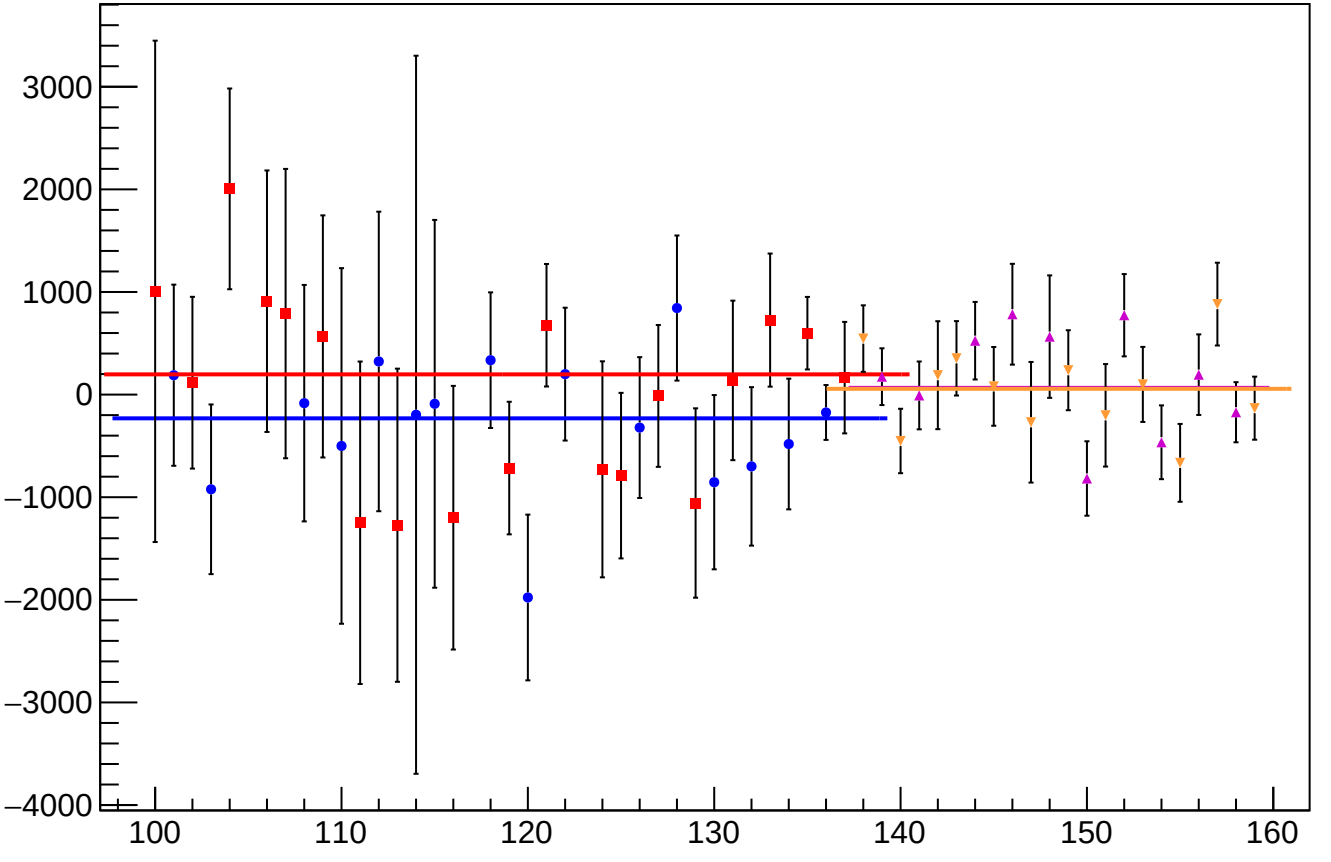
Left In: 81.704+/-0.020 χ^2/NDF:99812.7/9

+ sign 81.221+/-0.014 χ^2/NDF: 1136160.2/27

All: 82.100+/-0.010 χ^2/NDF: 2376877.8/56

- sign 83.062+/-0.015 χ^2/NDF: 1232768.7/28

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

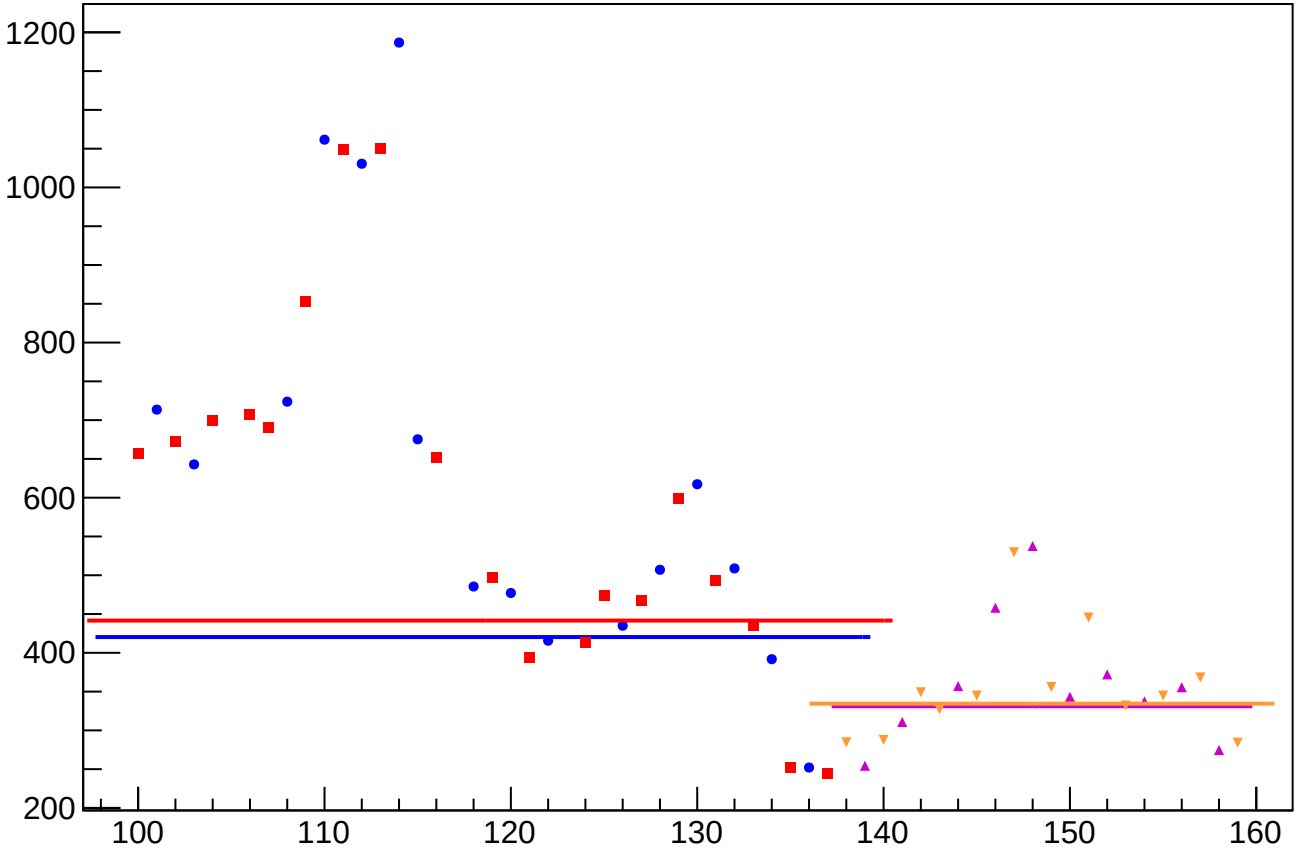
Left In: 65.630+/-114.803 χ^2/NDF:16.5/9

+ sign -28.679+/-92.494 χ^2/NDF: 27.1/27

All: 35.496+/-66.665 χ^2/NDF: 60.8/56

- sign 104.875+/-96.170 χ^2/NDF: 32.8/28

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

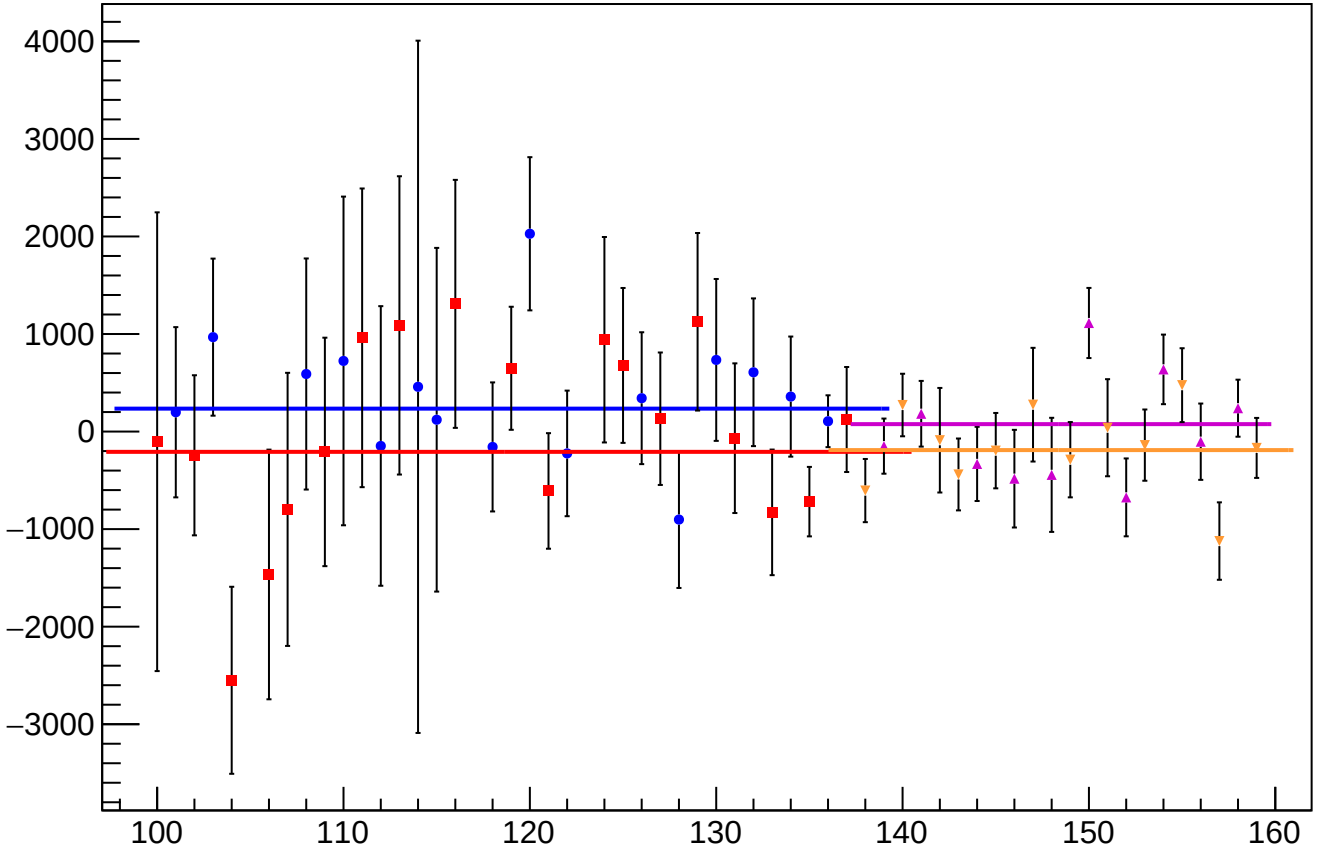
Left In: 331.114+/-0.081 χ^2/NDF:650195.3/9

+ sign 359.825+/-0.065 χ^2/NDF: 3103811.6/27

All: 361.863+/-0.047 χ^2/NDF: 6616108.8/56

- sign 364.067+/-0.068 χ^2/NDF: 3510275.4/28

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

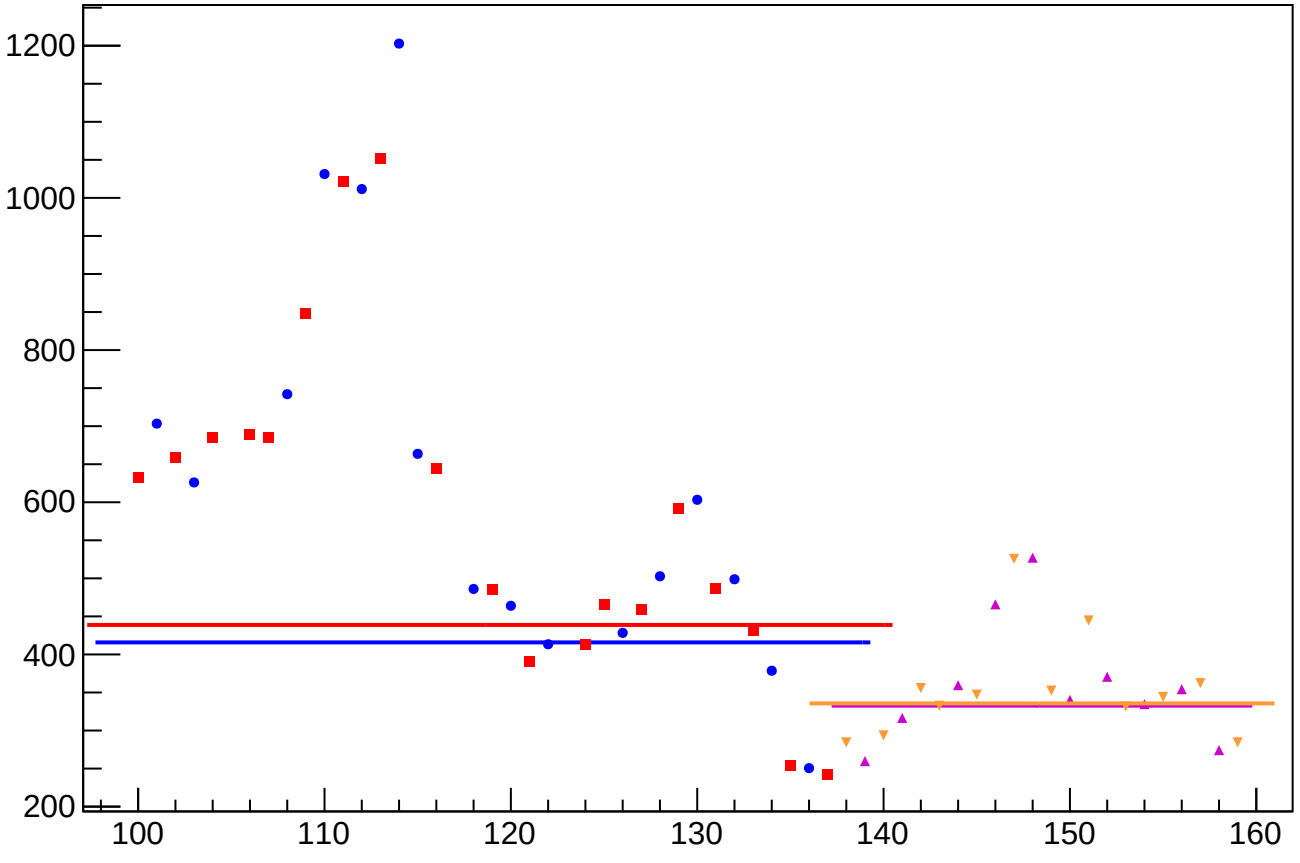
Left In: 76.174+/-115.252 χ^2/NDF:18.8/9

\+ sign -61.869+/-92.350 χ^2/NDF: 28.9/27

All: -36.980+/-66.623 χ^2/NDF: 70.1/56

\- sign -9.970+/-96.206 χ^2/NDF: 41.0/28

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

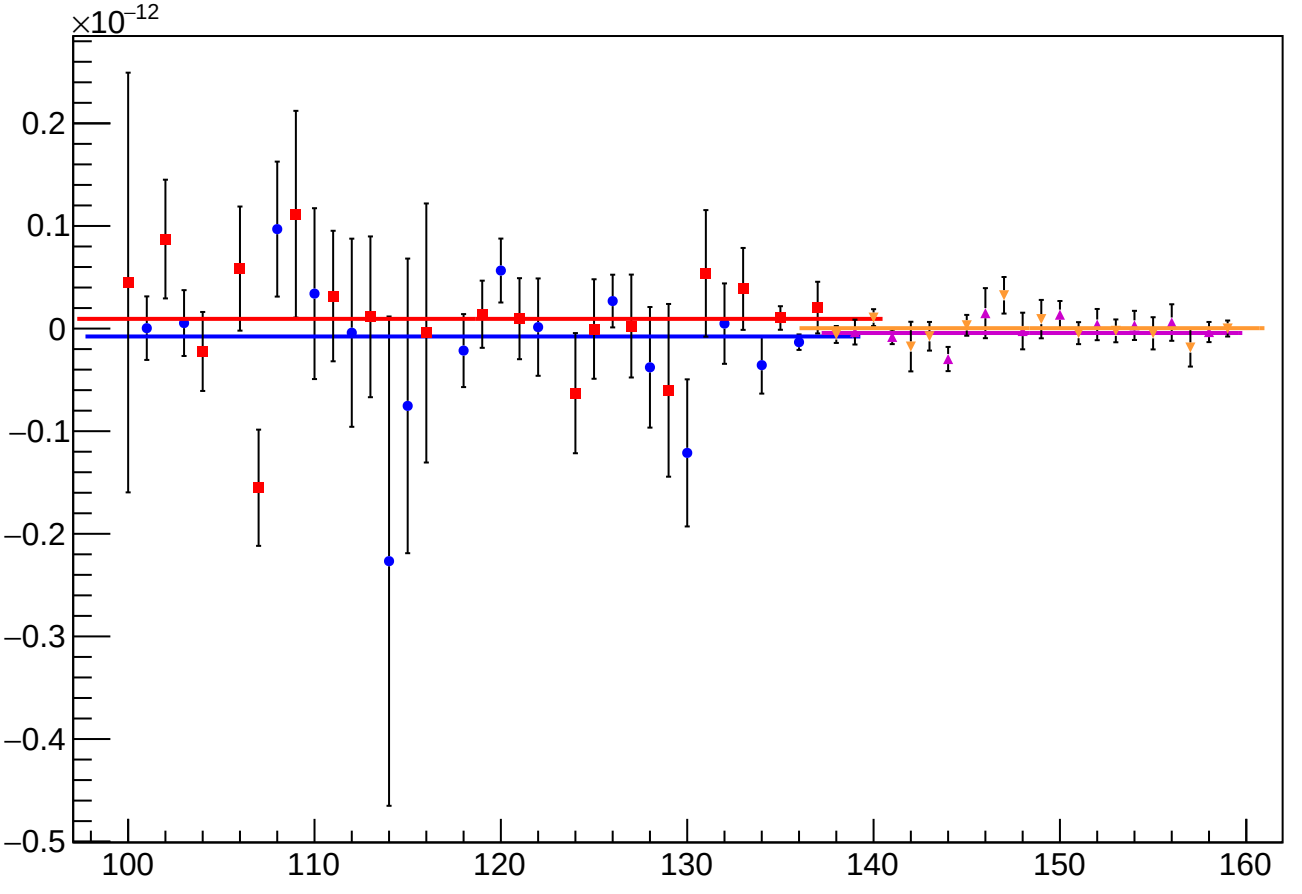
Left In: 332.729+/-0.081 χ^2/NDF:615743.3/9

+ sign 359.815+/-0.065 χ^2/NDF: 3008530.4/27

All: 362.245+/-0.047 χ^2/NDF: 6375325.4/56

- sign 364.882+/-0.068 χ^2/NDF: 3363907.3/28

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

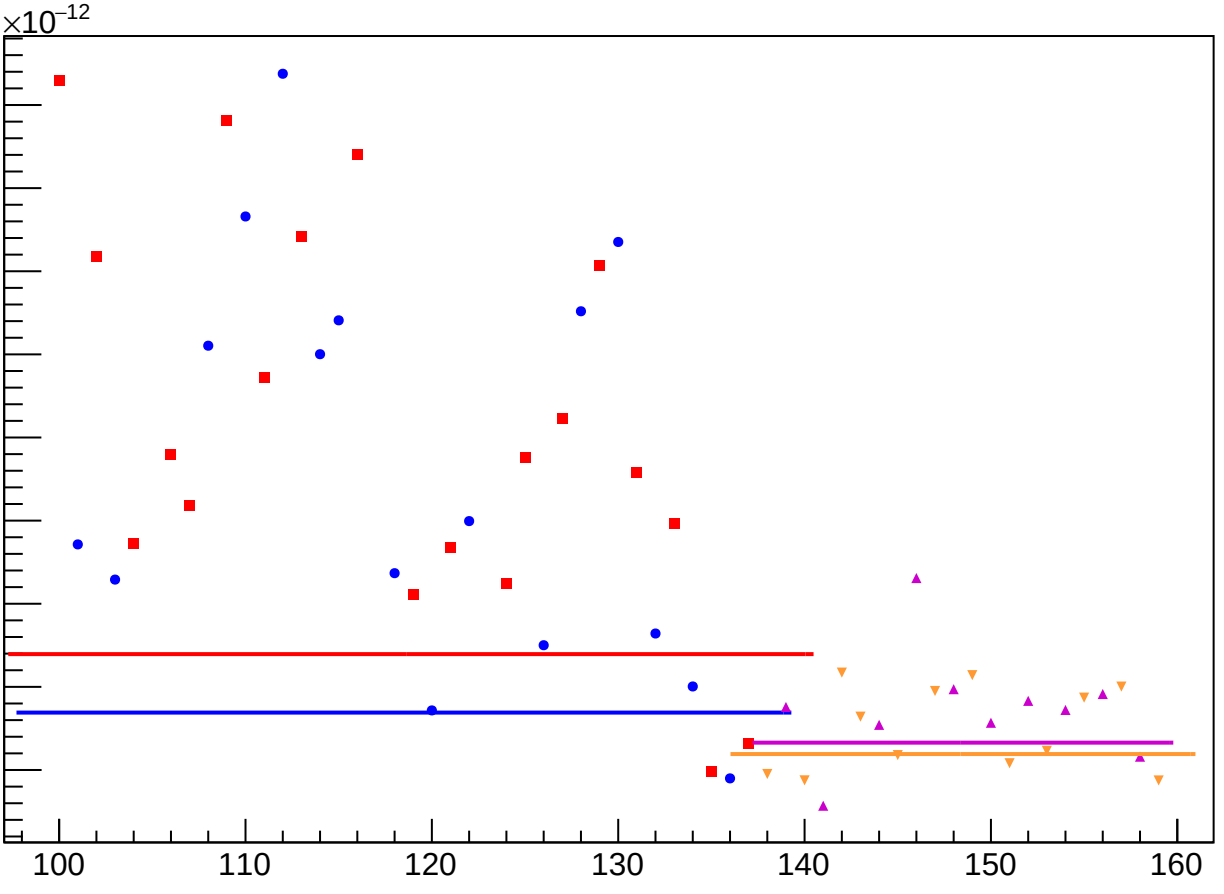
Left In: -0.000+/-0.000 χ^2/NDF:8.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/27

All: -0.000+/-0.000 χ^2/NDF: 50.9/56

- sign -0.000+/-0.000 χ^2/NDF: 26.9/28

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

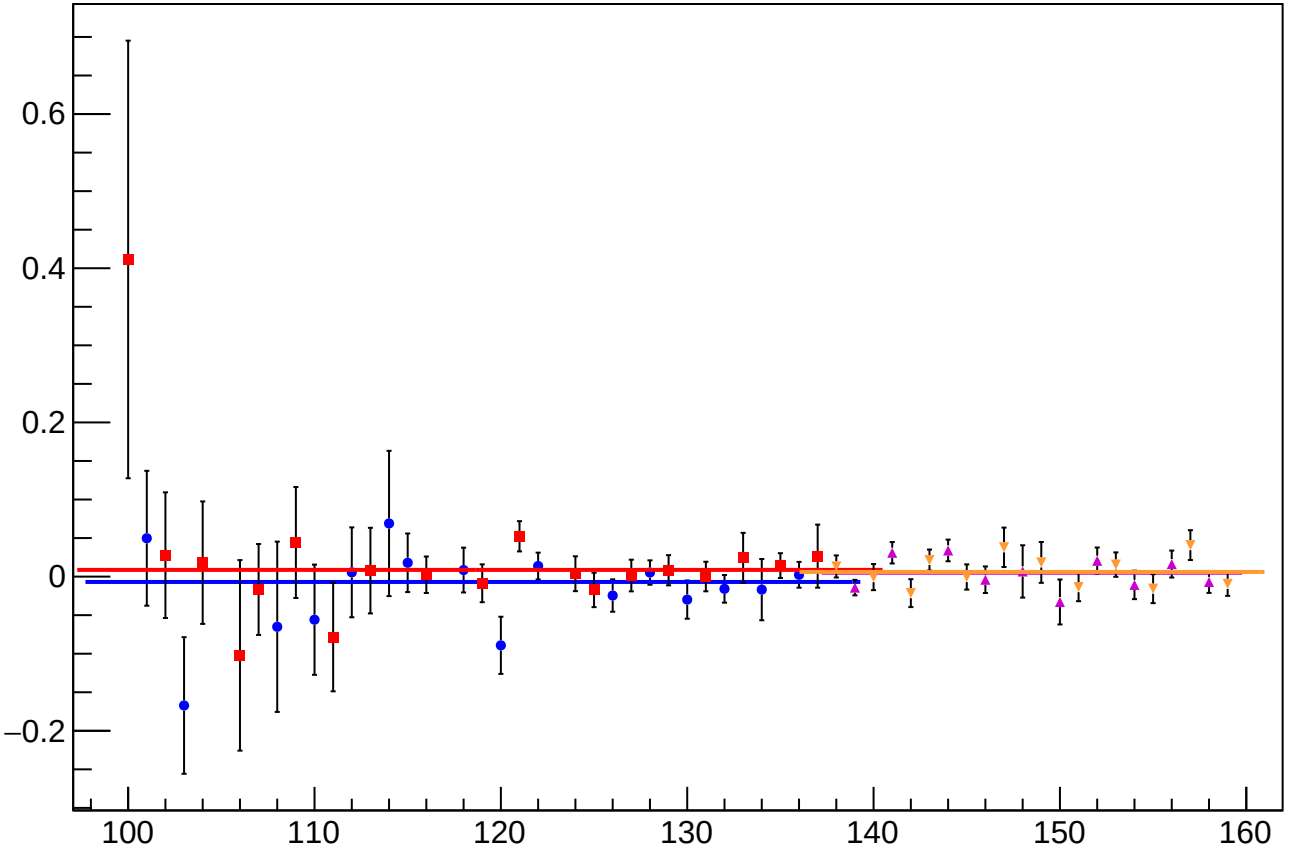
Left In: 0.000+/-0.000 χ^2/NDF:1235484.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 3759238.8/27

All: 0.000+/-0.000 χ^2/NDF: 8571006.5/56

- sign 0.000+/-0.000 χ^2/NDF: 4693444.6/28

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

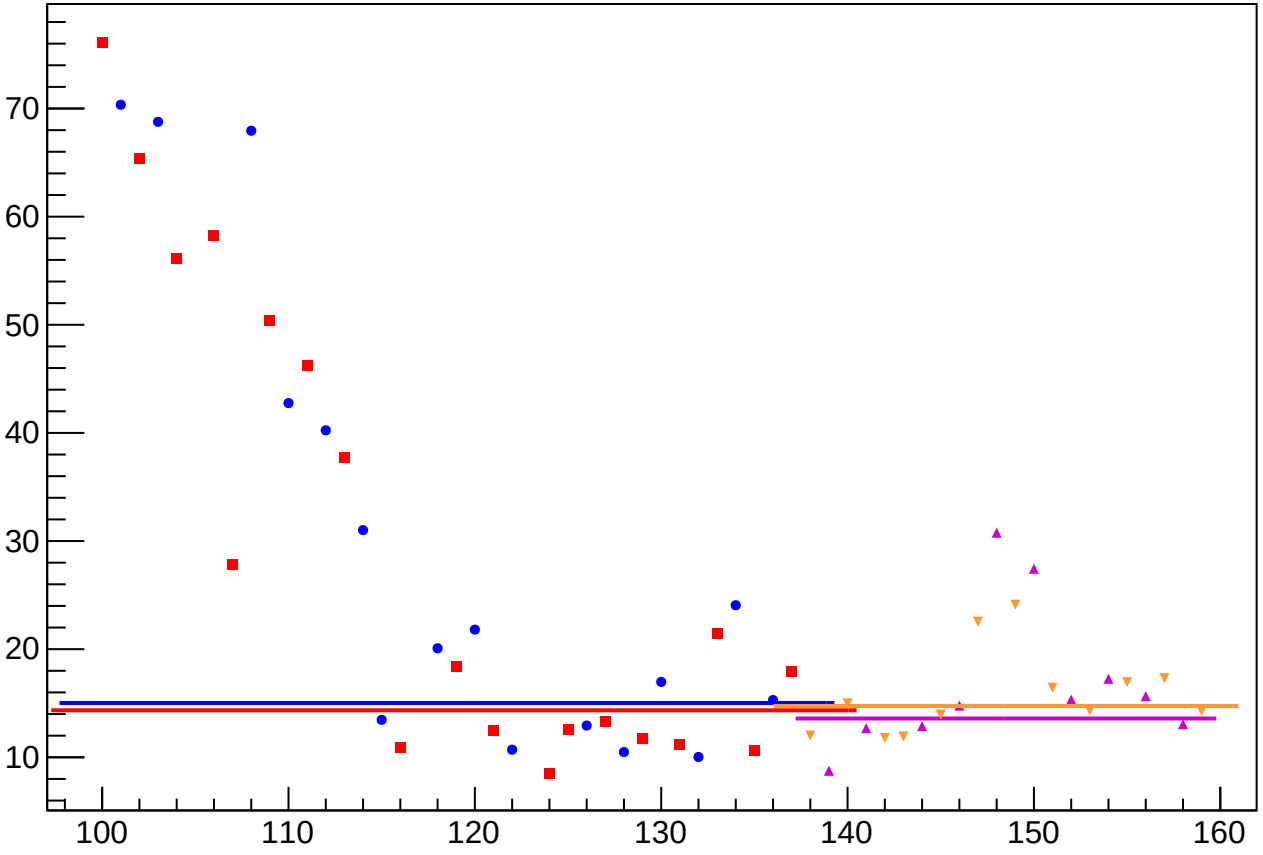
Left In: 0.005+/-0.005 χ^2/NDF:16.1/9

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/27

All: 0.004+/-0.003 χ^2/NDF: 60.0/56

- sign 0.006+/-0.004 χ^2/NDF: 28.9/28

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

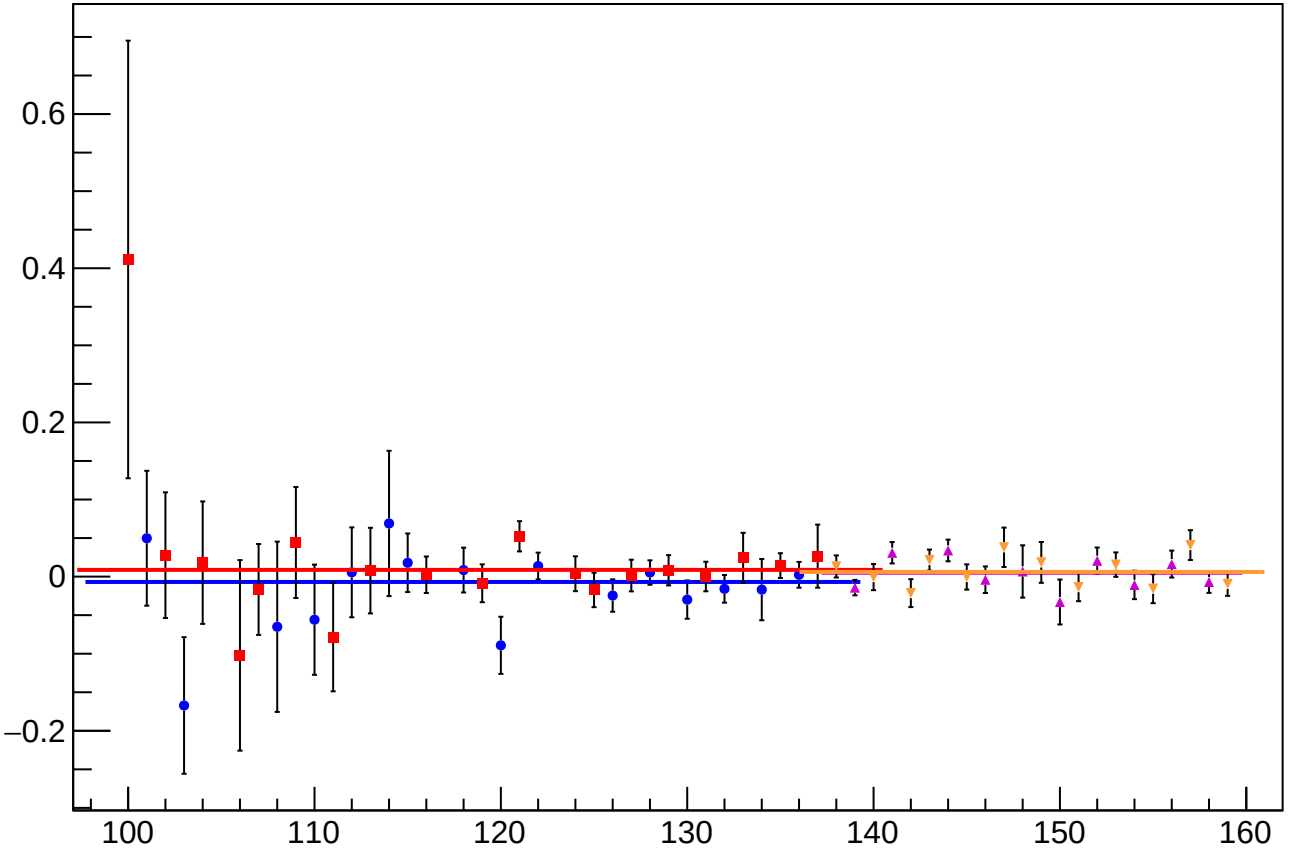
Left In: 13.590+/-0.004 χ^2/NDF:1581578.4/9

+ sign 14.844+/-0.003 χ^2/NDF: 4177114.3/27

All: 14.351+/-0.002 χ^2/NDF: 9464434.3/56

- sign 13.877+/-0.003 χ^2/NDF: 5228112.9/28

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

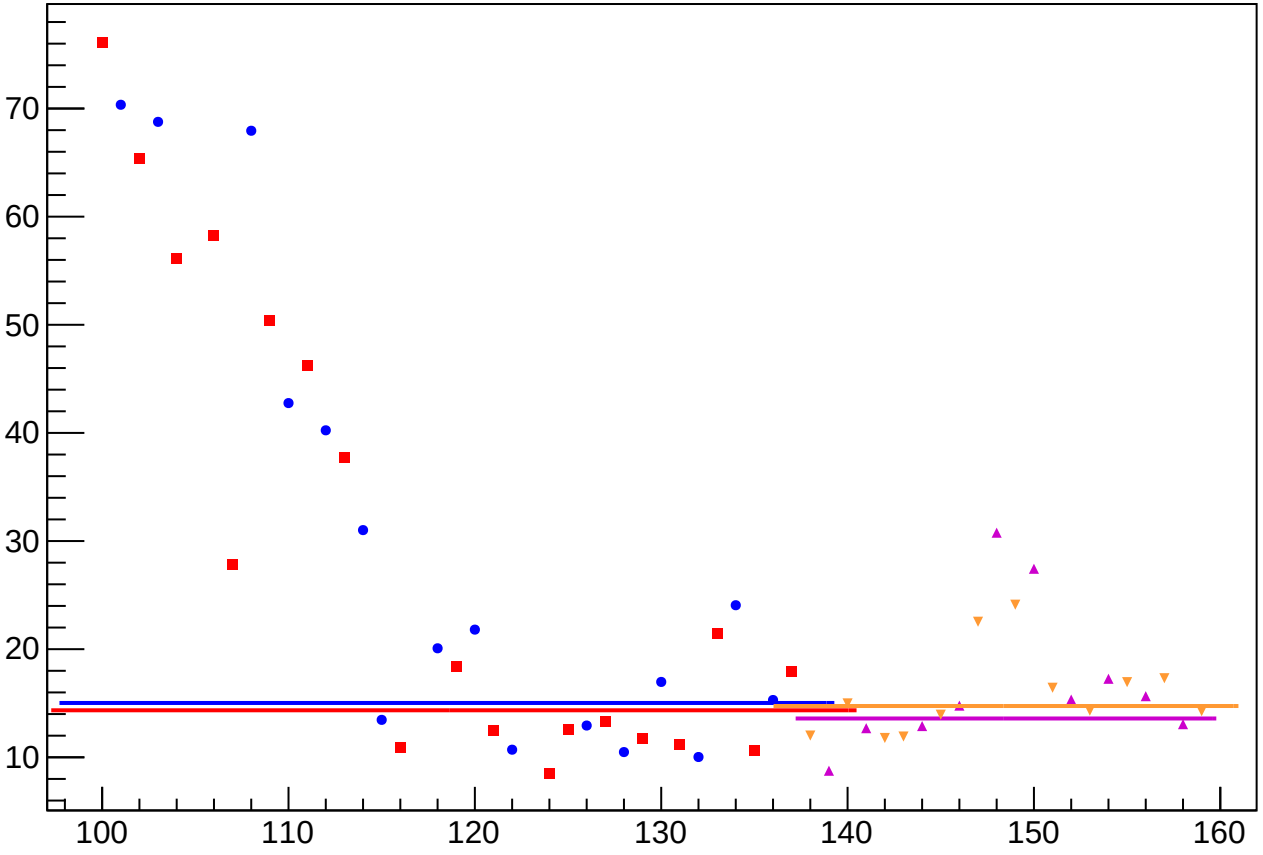
Left In: 0.005+/-0.005 χ^2/NDF:16.1/9

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/27

All: 0.004+/-0.003 χ^2/NDF: 60.0/56

- sign 0.006+/-0.004 χ^2/NDF: 28.9/28

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

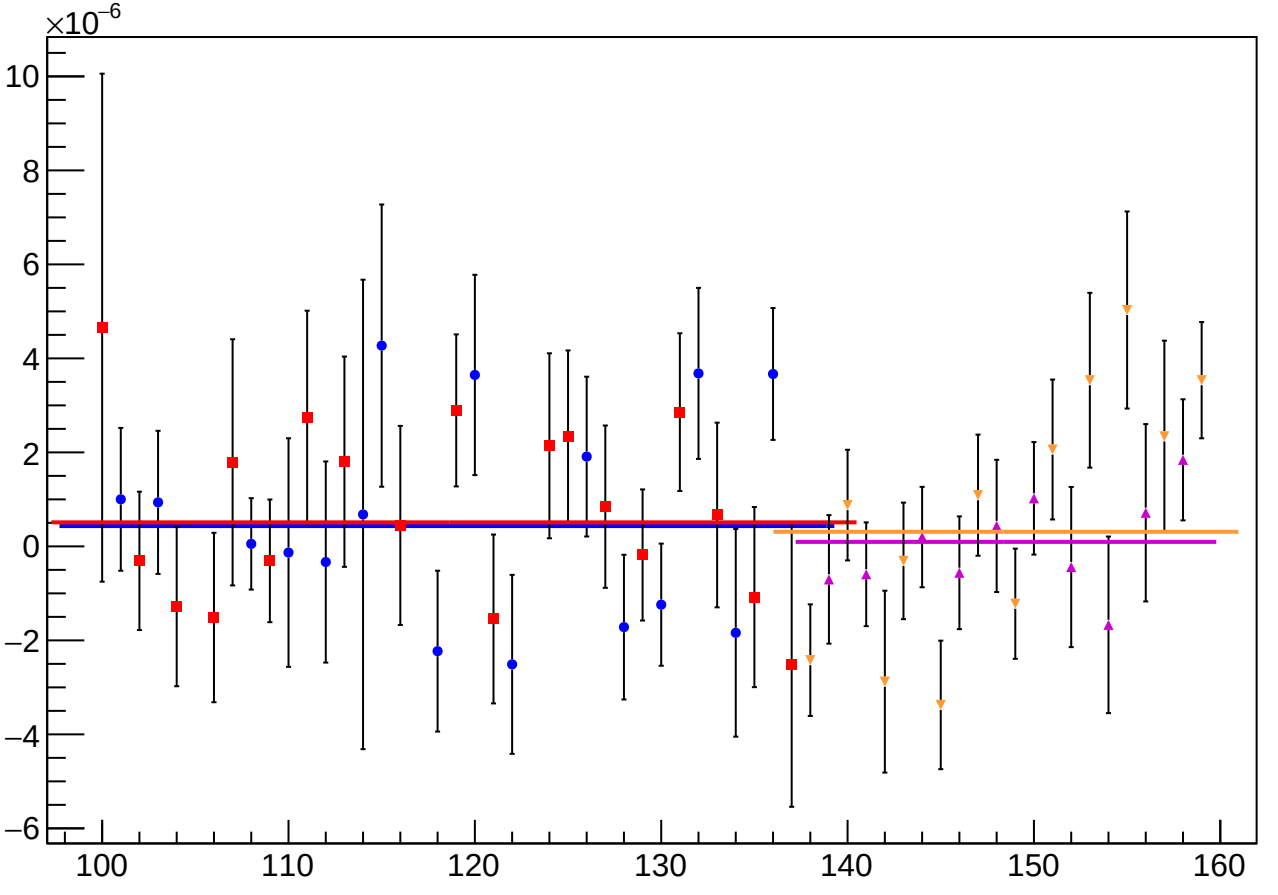
Left In: 13.590+/-0.004 χ^2/NDF:1581578.4/9

+ sign 14.844+/-0.003 χ^2/NDF: 4177114.3/27

All: 14.351+/-0.002 χ^2/NDF: 9464434.3/56

- sign 13.877+/-0.003 χ^2/NDF: 5228112.9/28

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

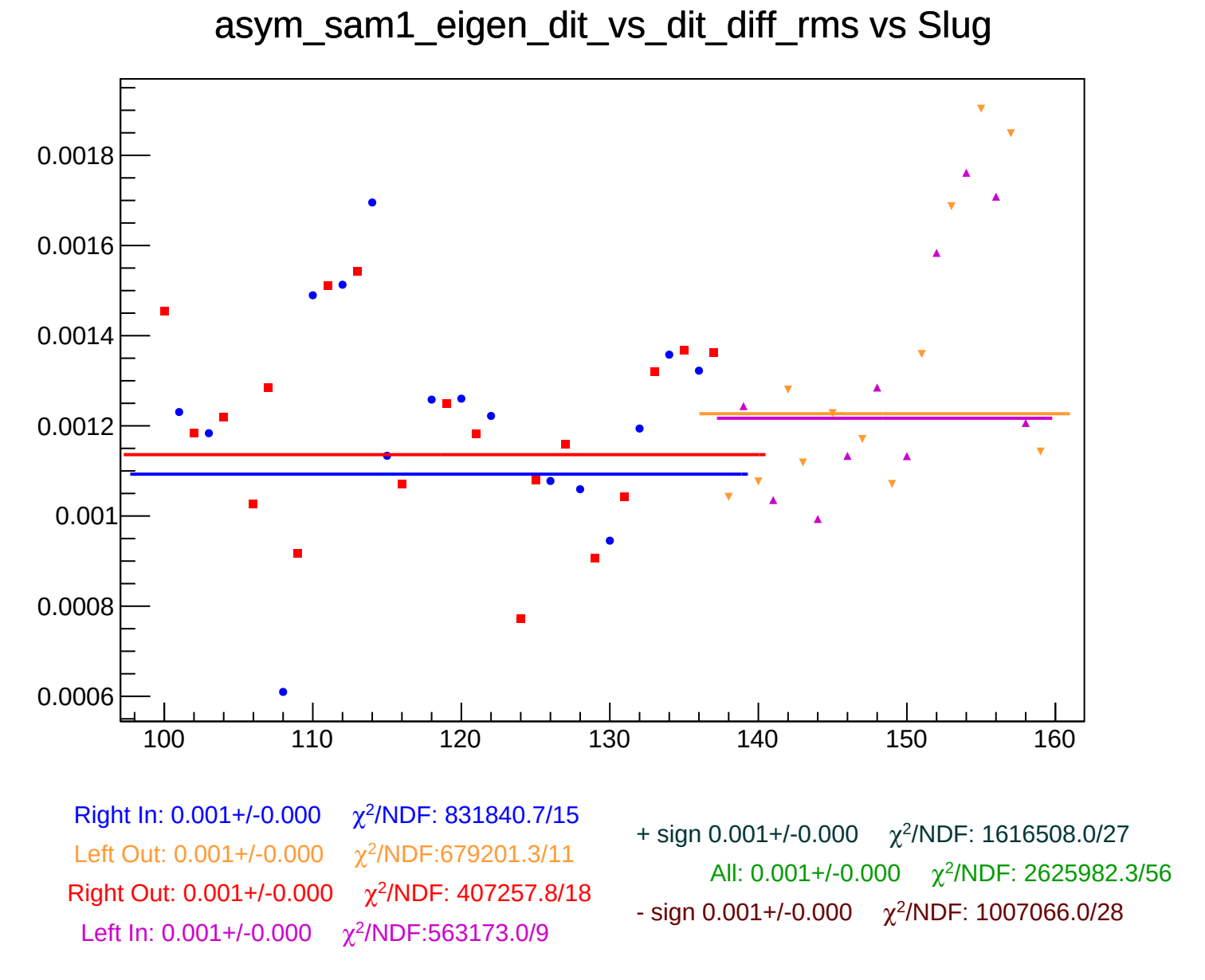
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/9

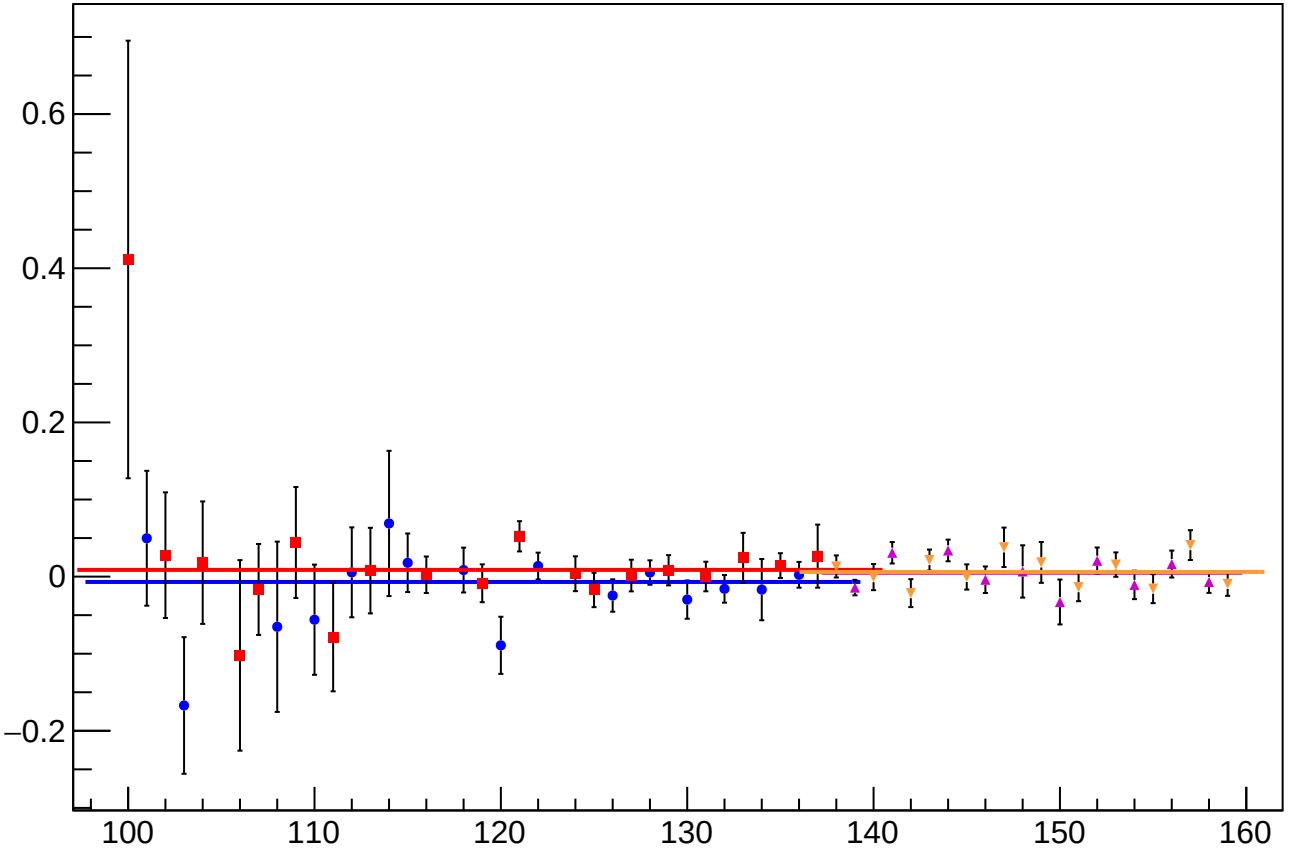
+ sign 0.000+/-0.000 χ^2/NDF: 58.3/27

All: 0.000+/-0.000 χ^2/NDF: 77.8/56

- sign 0.000+/-0.000 χ^2/NDF: 19.4/28


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:563173.0/9
+ sign 0.001+/-0.000 χ²/NDF: 1616508.0/27
All: 0.001+/-0.000 χ²/NDF: 2625982.3/56
- sign 0.001+/-0.000 χ²/NDF: 1007066.0/28

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

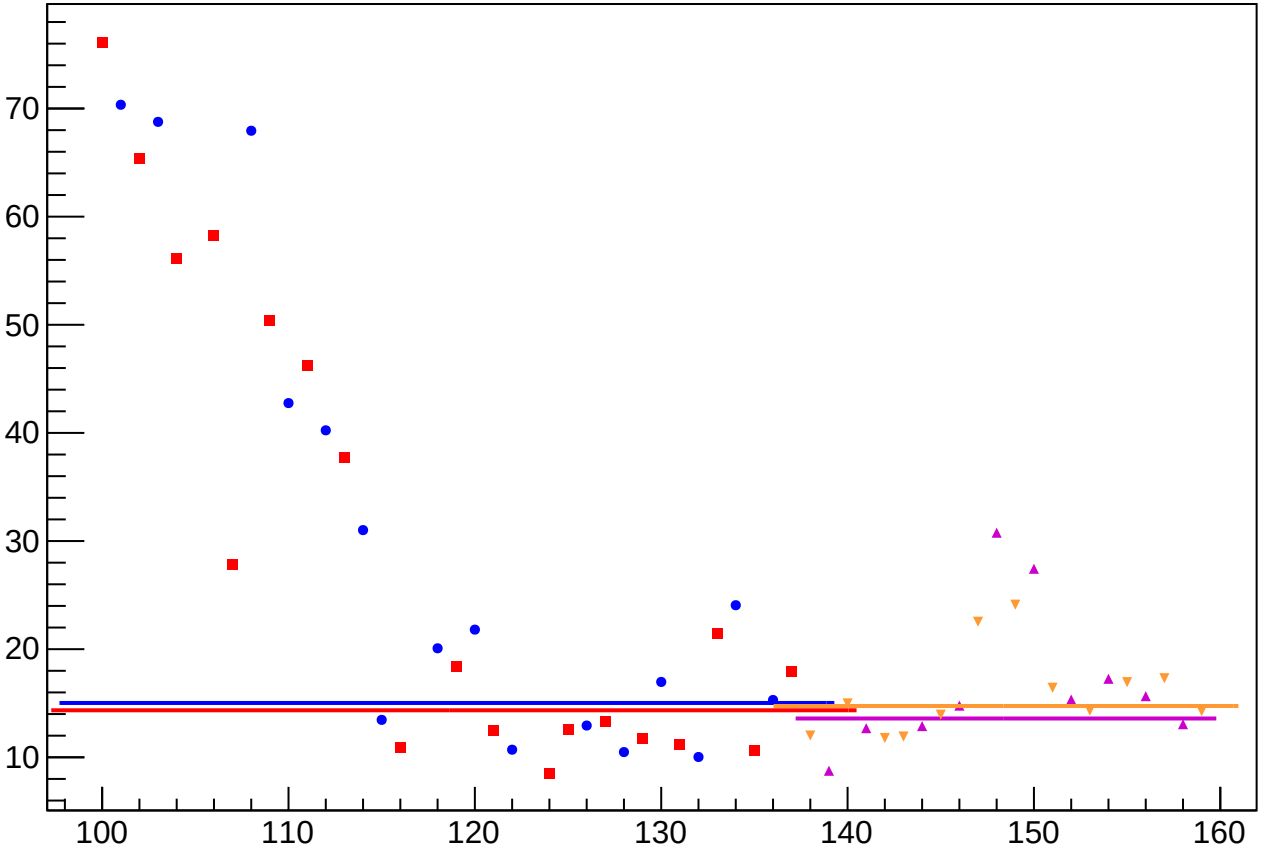
Left In: 0.005+/-0.005 χ^2/NDF:16.1/9

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/27

All: 0.004+/-0.003 χ^2/NDF: 60.0/56

- sign 0.006+/-0.004 χ^2/NDF: 28.9/28

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

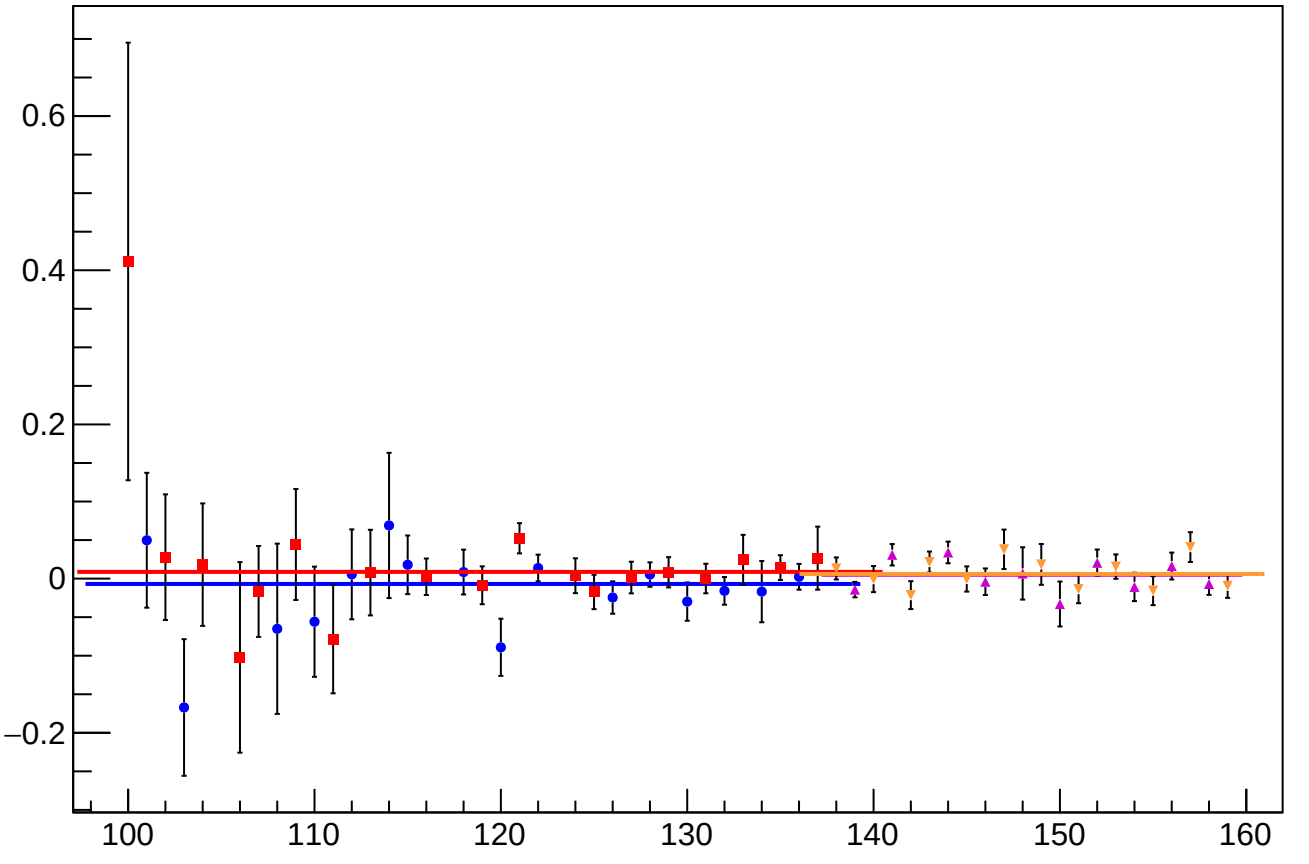
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.590+/-0.004 χ^2/NDF:1581619.7/9

+ sign 14.843+/-0.003 χ^2/NDF: 4177135.5/27

All: 14.351+/-0.002 χ^2/NDF: 9464488.2/56

- sign 13.877+/-0.003 χ^2/NDF: 5228142.1/28



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:13.0/11

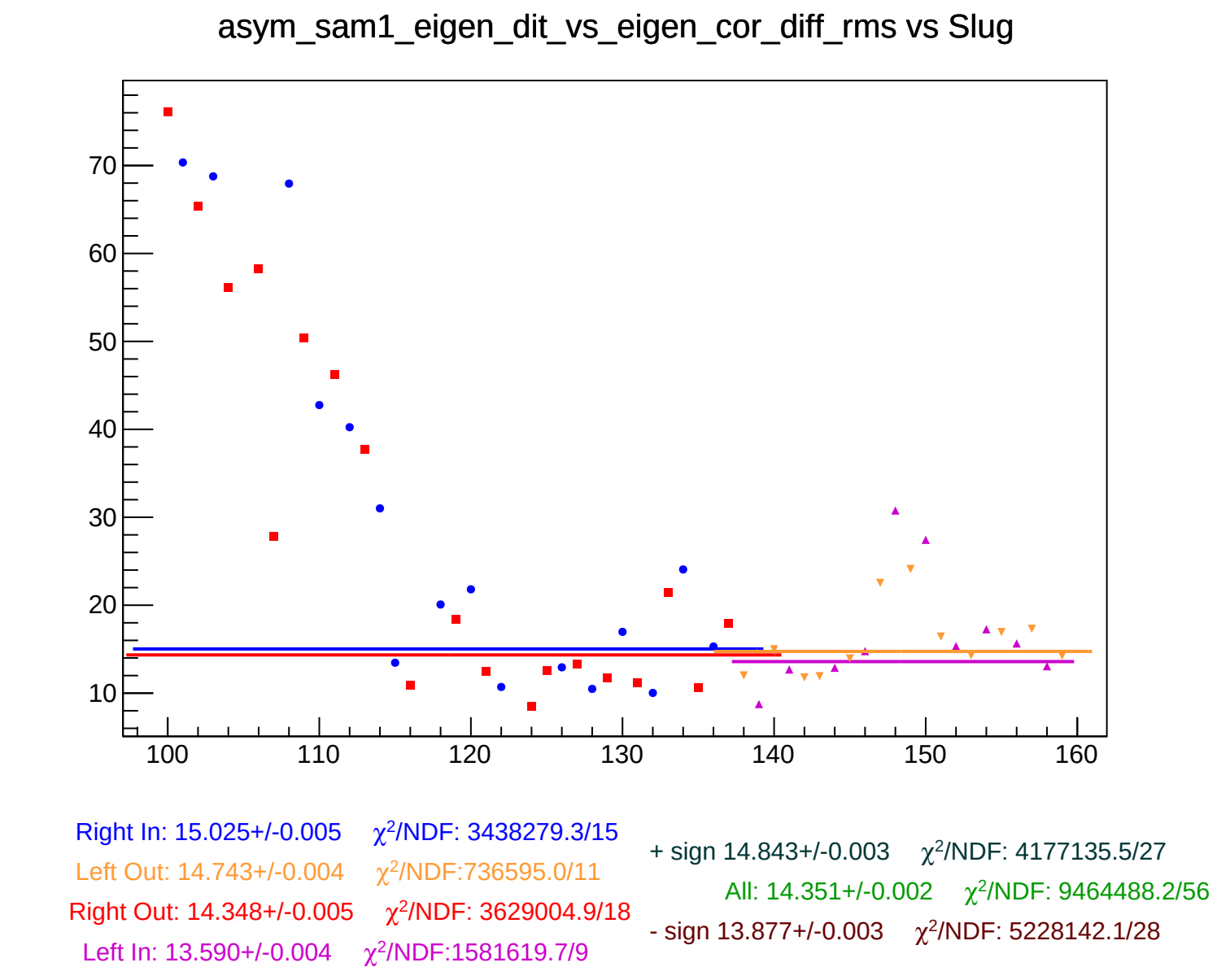
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.005+/-0.005 χ^2/NDF:16.1/9

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/27

All: 0.004+/-0.003 χ^2/NDF: 60.0/56

- sign 0.006+/-0.004 χ^2/NDF: 28.9/28


asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
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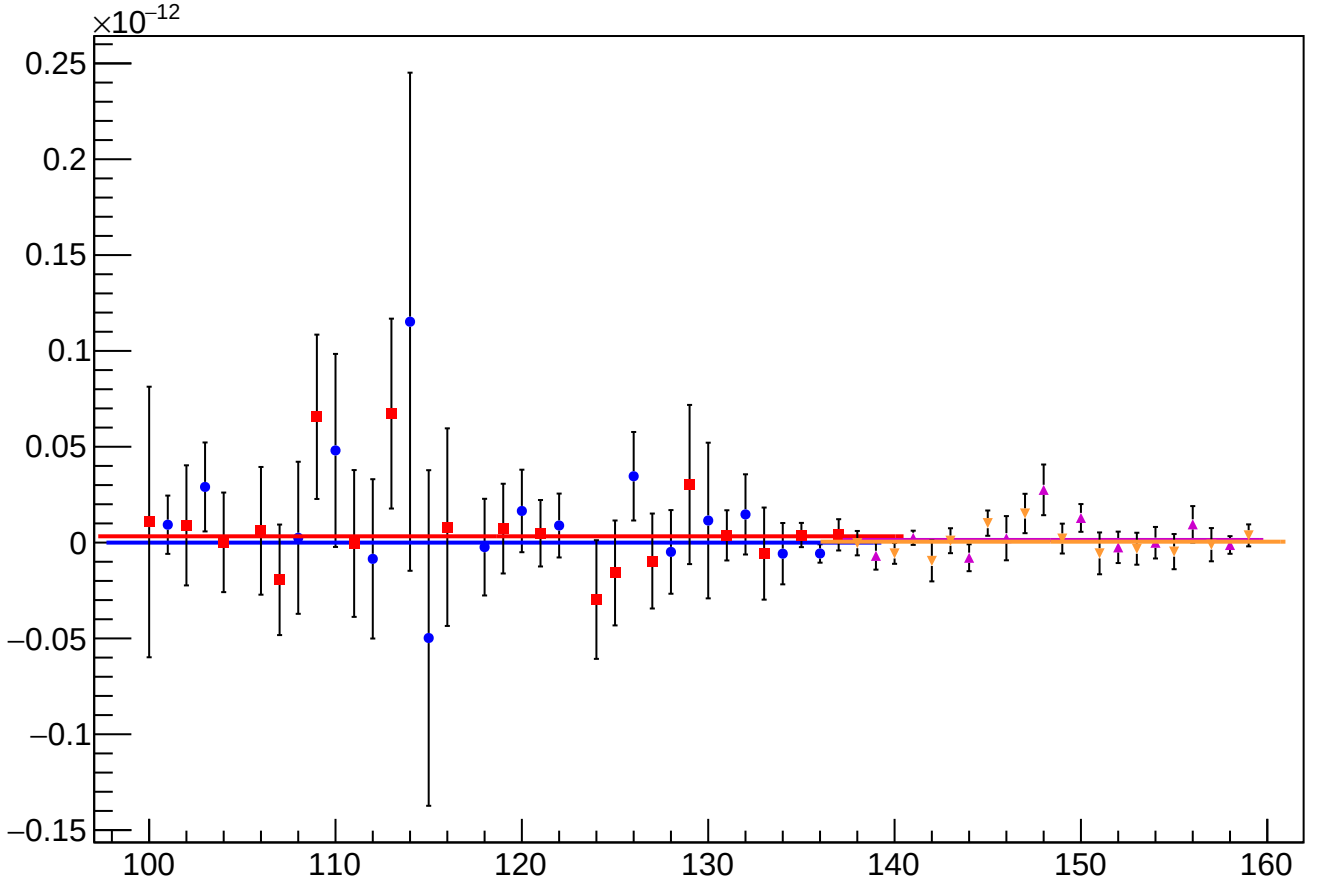
30
20
10
100
110
120
130
140
150
160
Right In: 15.025+/-0.005 χ²/NDF: 3438279.3/15
Left Out: 14.743+/-0.004 χ²/NDF:736595.0/11
Right Out: 14.348+/-0.005 χ²/NDF: 3629004.9/18
Left In: 13.590+/-0.004 χ²/NDF:1581619.7/9
+ sign 14.843+/-0.003 χ²/NDF: 4177135.5/27
All: 14.351+/-0.002 χ²/NDF: 9464488.2/56
- sign 13.877+/-0.003 χ²/NDF: 5228142.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/11

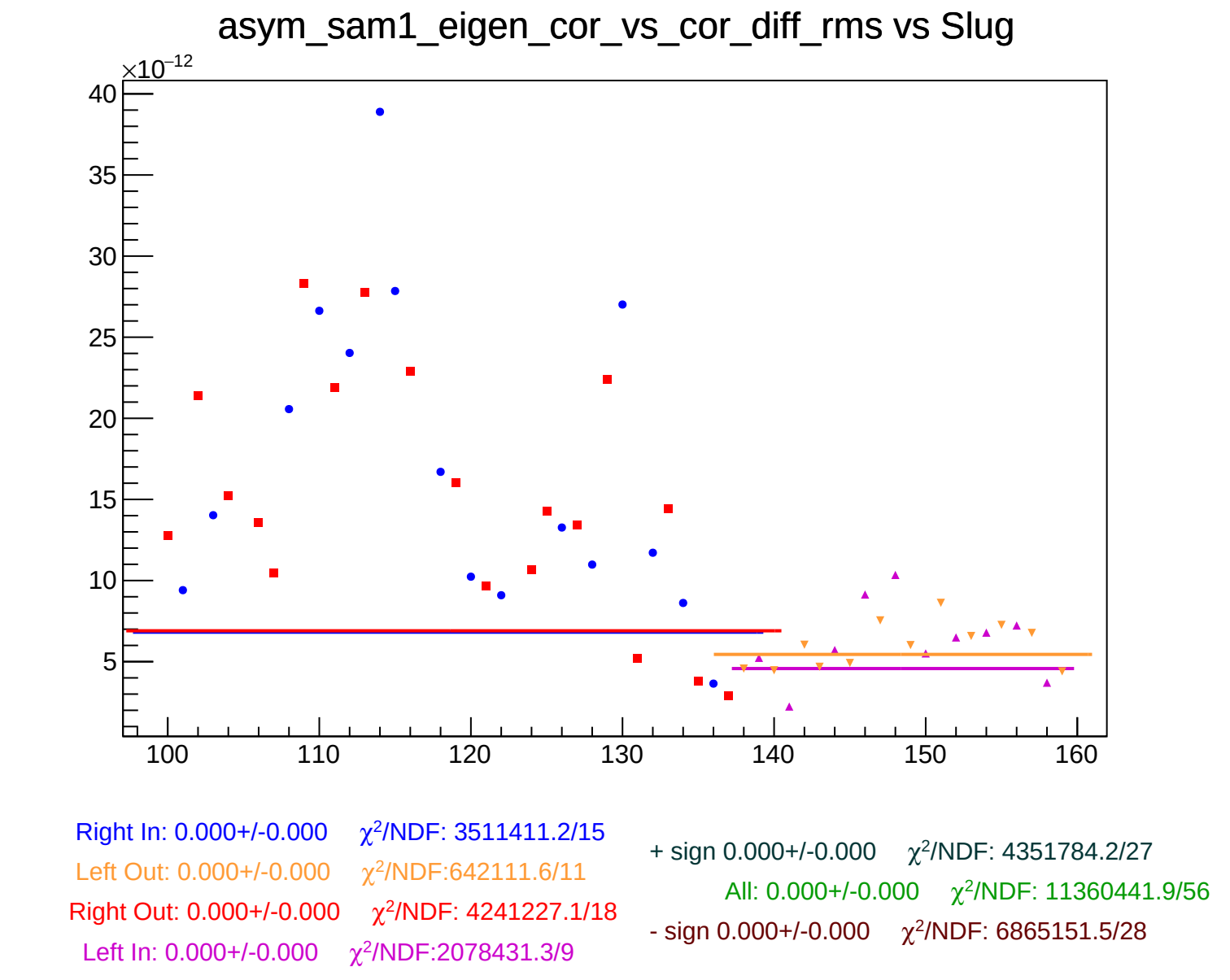
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 16.9/27

All: 0.000+/-0.000 χ^2/NDF: 35.3/56

- sign 0.000+/-0.000 χ^2/NDF: 18.1/28


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
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25
20
15
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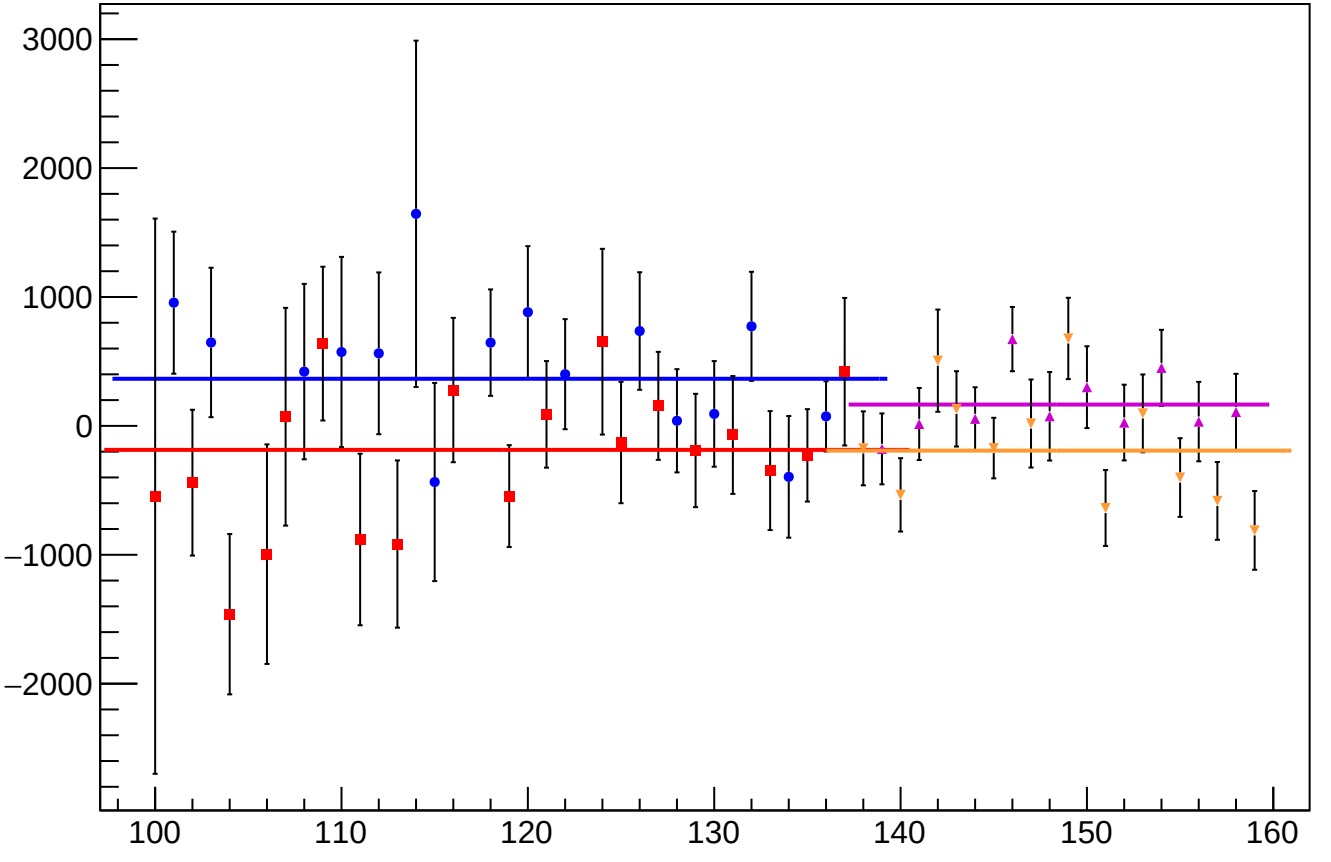
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:642111.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2078431.3/9
+ sign 0.000+/-0.000 χ²/NDF: 4351784.2/27
All: 0.000+/-0.000 χ²/NDF: 11360441.9/56
- sign 0.000+/-0.000 χ²/NDF: 6865151.5/28

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

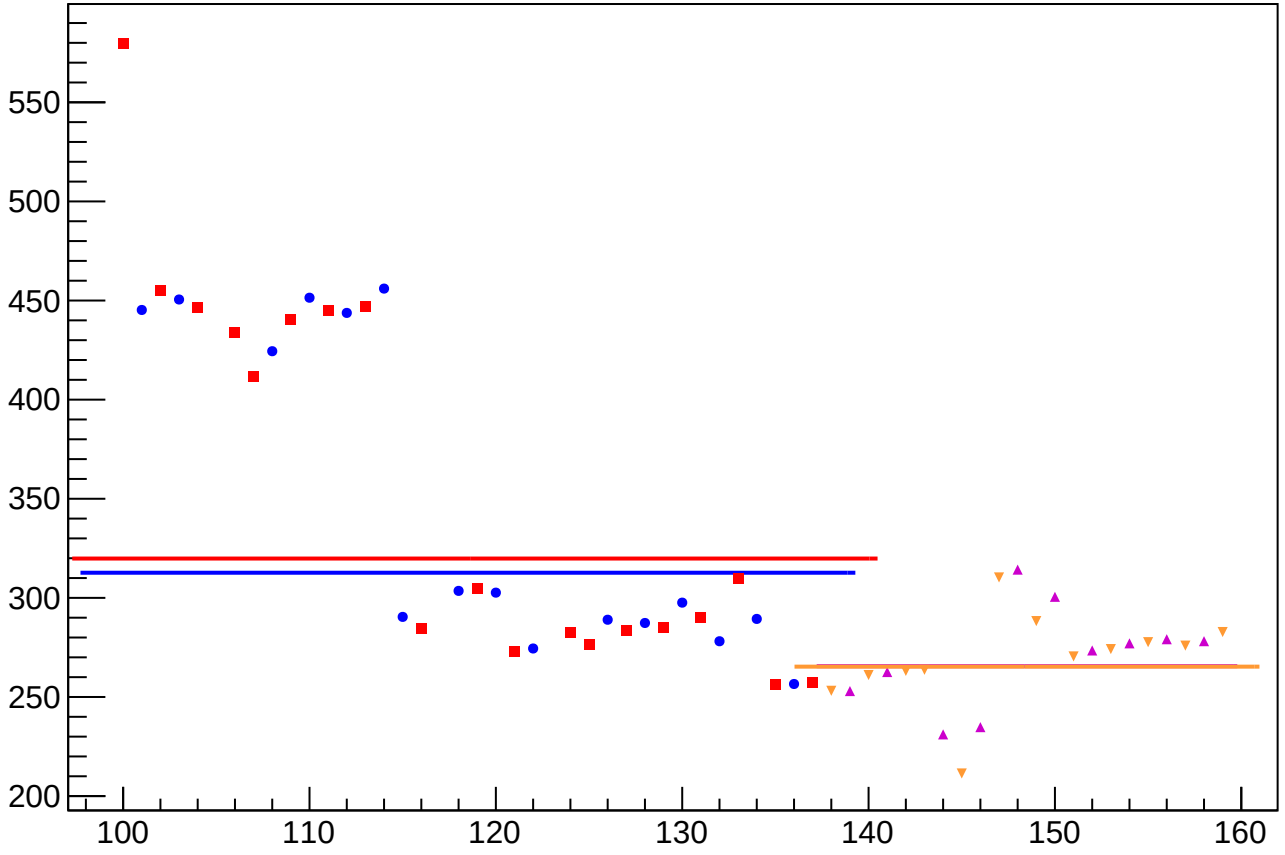
Left In: 165.564+/-90.465 χ^2/NDF:7.8/9

+ sign 0.486+/-69.839 χ^2/NDF: 49.1/27

All: 18.776+/-50.224 χ^2/NDF: 77.6/56

- sign 38.367+/-72.279 χ^2/NDF: 28.3/28

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

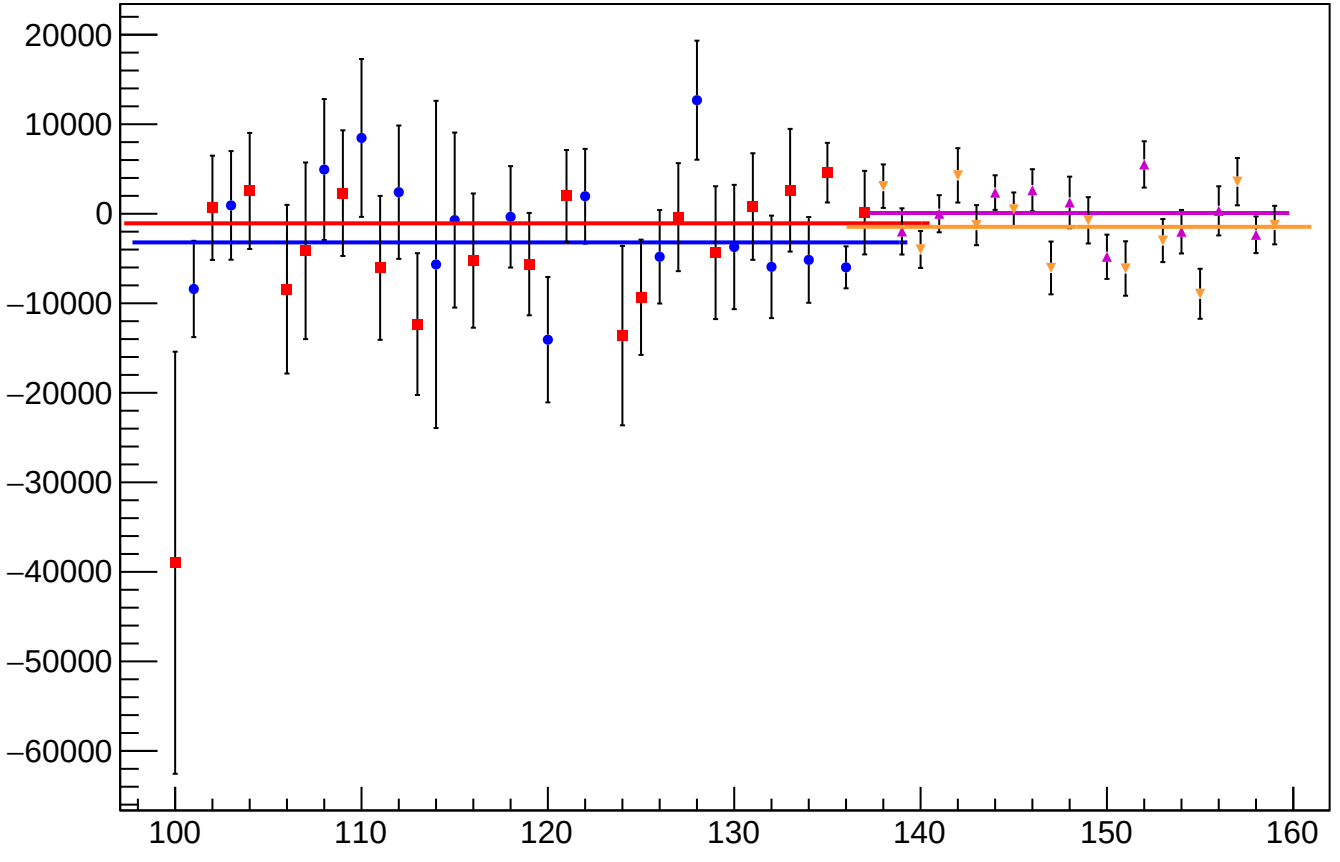
Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

+ sign 281.659+/-0.049 χ^2/NDF: 979643.1/27

All: 283.356+/-0.036 χ^2/NDF: 2091473.0/56

- sign 285.175+/-0.051 χ^2/NDF: 1109382.4/28

asym_sam2_reg_correction_mean vs Slug



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

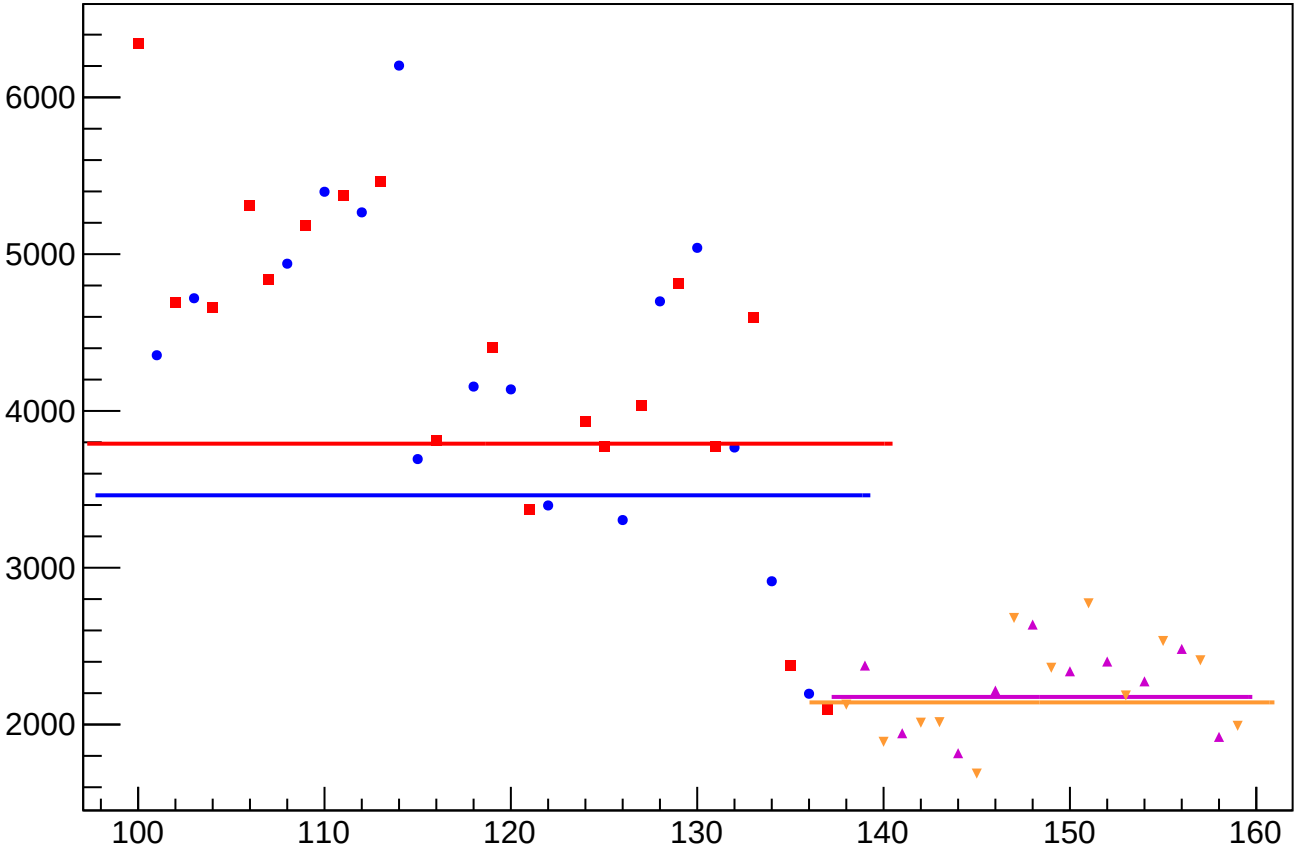
Left In: 82.998+/-744.151 χ^2/NDF:13.8/9

+ sign -1829.361+/-623.987 χ^2/NDF: 43.1/27

All: -1042.439+/-453.881 χ^2/NDF: 75.2/56

- sign -158.280+/-661.416 χ^2/NDF: 28.7/28

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

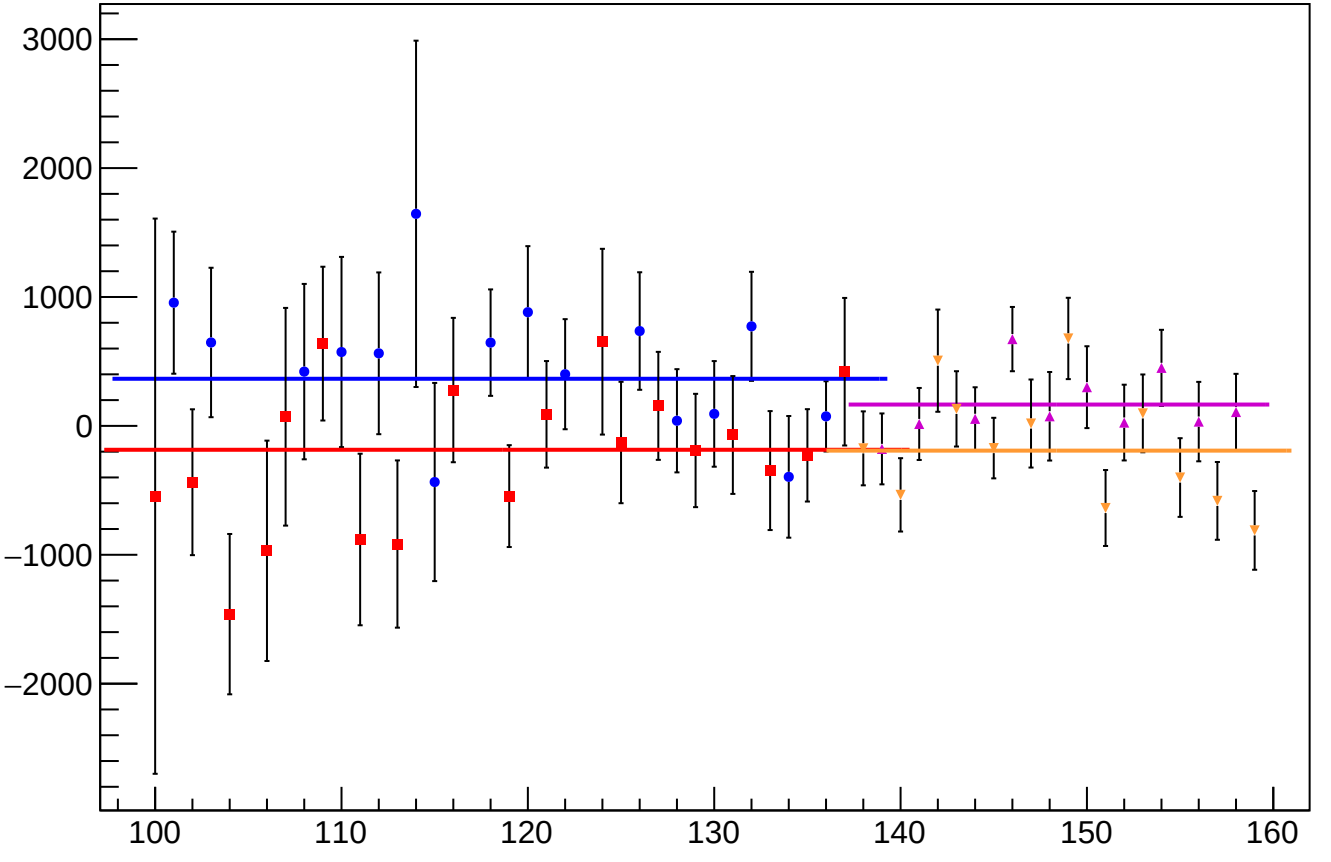
Left In: 2176.030+/-0.526 χ^2/NDF:241108.6/9

+ sign 2421.721+/-0.441 χ^2/NDF: 3201296.5/27

All: 2465.749+/-0.321 χ^2/NDF: 6597951.9/56

- sign 2515.219+/-0.468 χ^2/NDF: 3375510.0/28

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

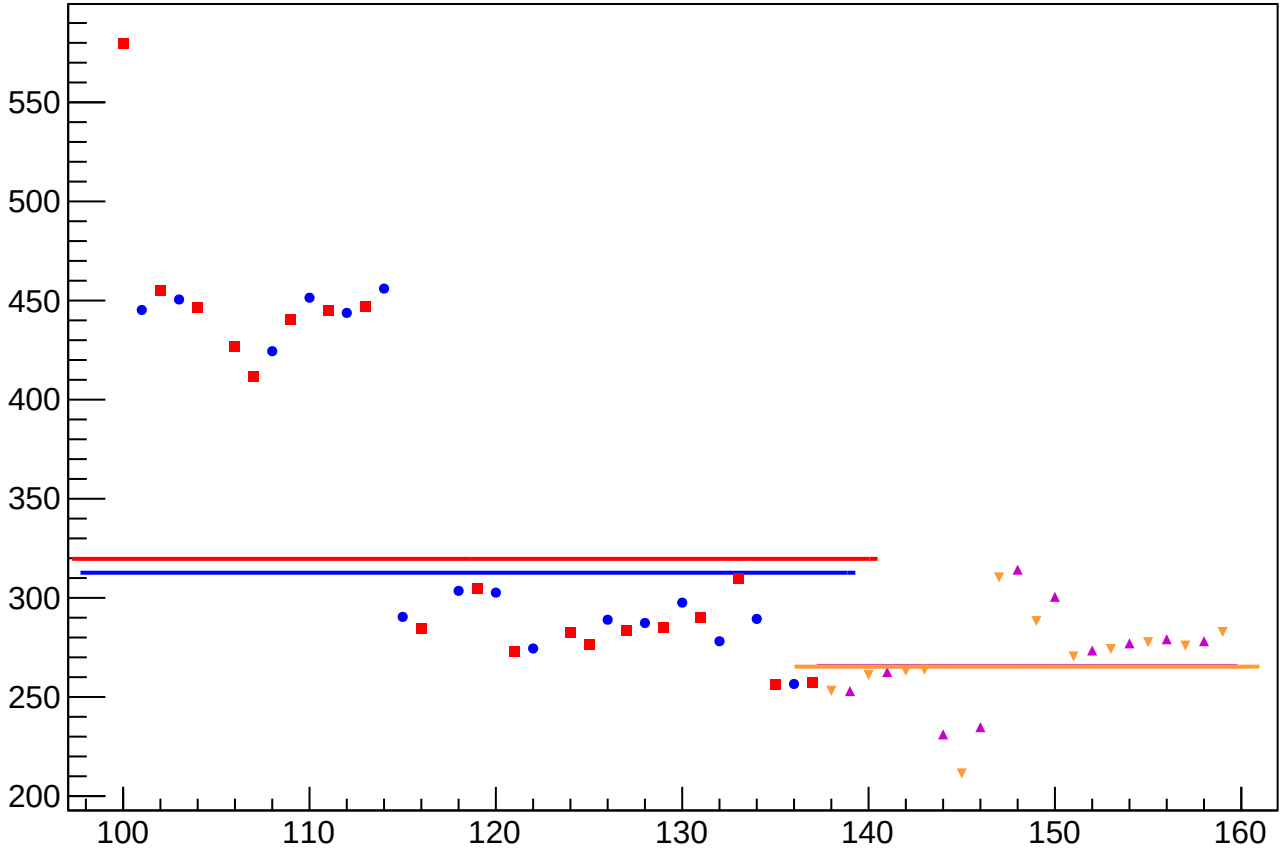
Left In: 165.558+/-90.465 χ^2/NDF:7.8/9

\+ sign 0.492+/-69.839 χ^2/NDF: 49.1/27

All: 18.926+/-50.225 χ^2/NDF: 77.5/56

\- sign 38.671+/-72.281 χ^2/NDF: 28.2/28

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

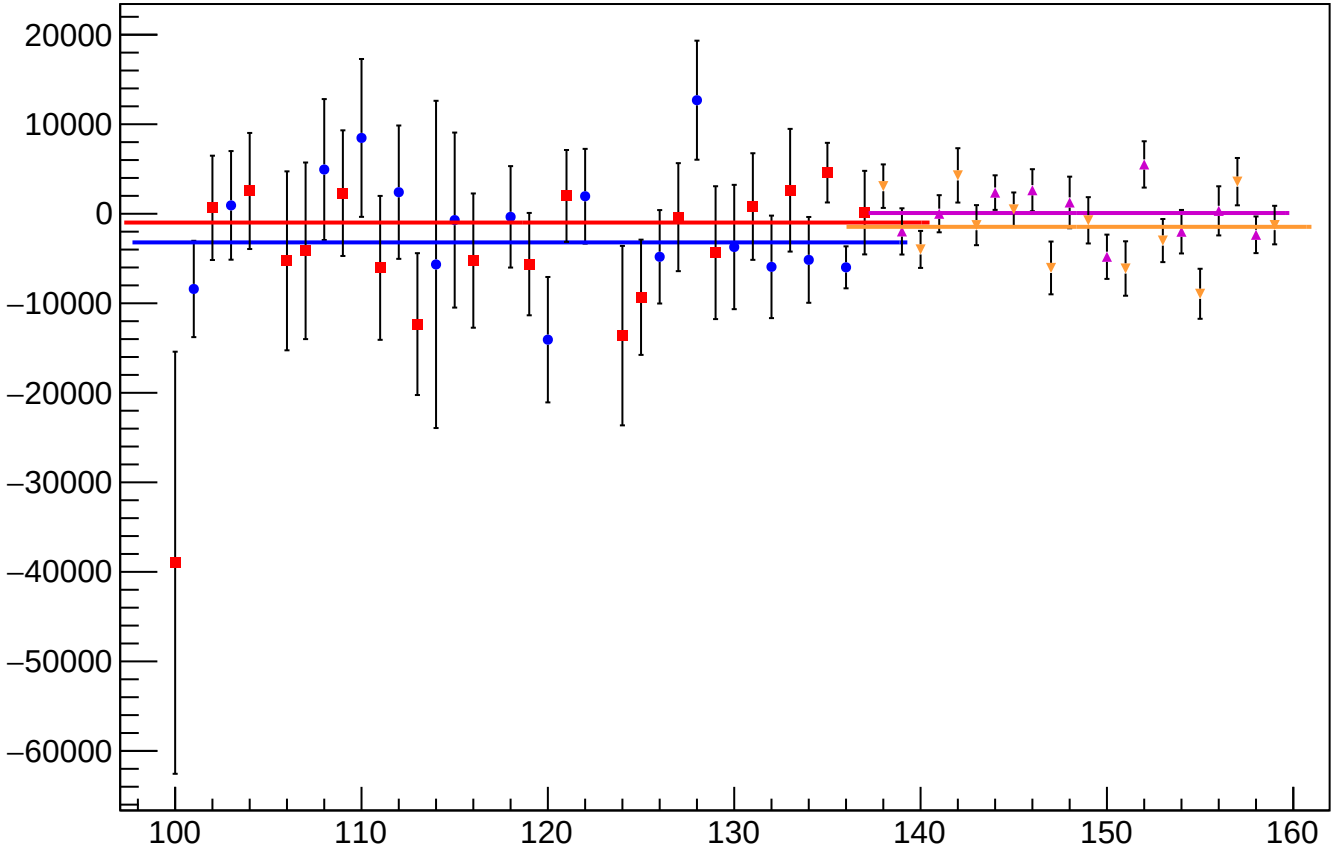
Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

+ sign 281.659+/-0.049 χ^2/NDF: 979644.7/27

All: 283.329+/-0.036 χ^2/NDF: 2085782.6/56

- sign 285.119+/-0.051 χ^2/NDF: 1103767.8/28

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

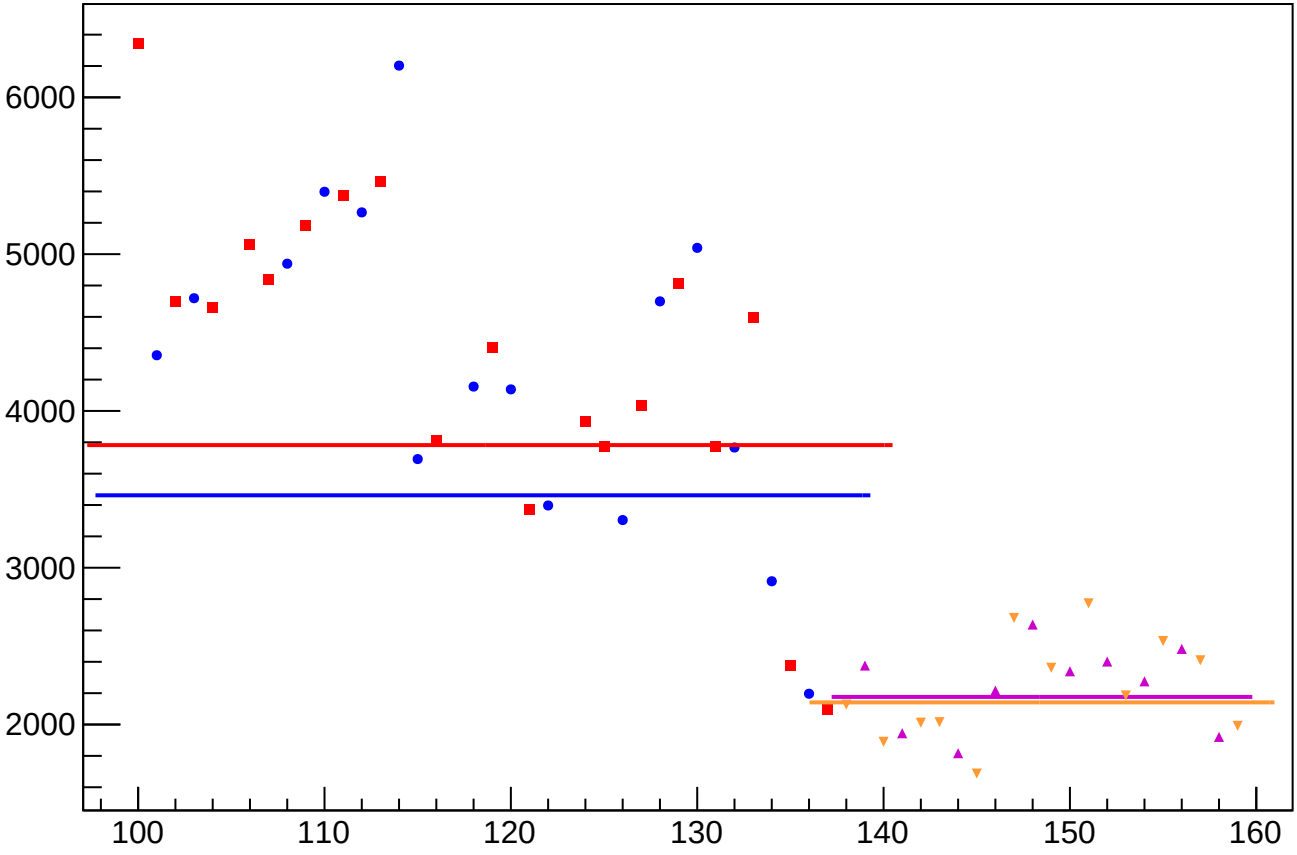
Left In: 82.989+/-744.151 χ^2/NDF:13.8/9

+ sign -1829.334+/-623.987 χ^2/NDF: 43.1/27

All: -1034.036+/-453.941 χ^2/NDF: 74.8/56

- sign -139.963+/-661.602 χ^2/NDF: 28.2/28

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

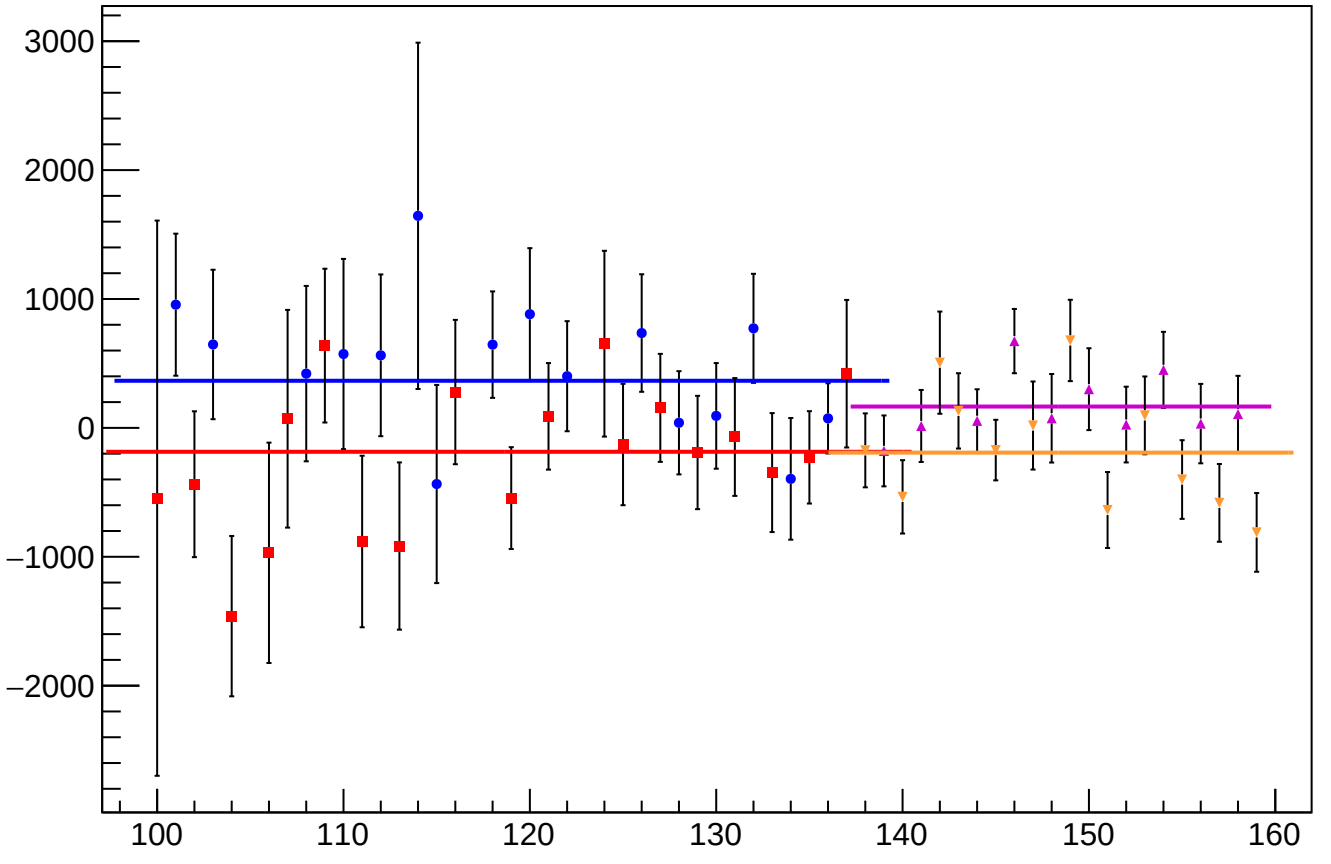
Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2176.031+/-0.526 χ^2/NDF:241108.7/9

+ sign 2421.721+/-0.441 χ^2/NDF: 3201318.3/27

All: 2464.507+/-0.321 χ^2/NDF: 6551178.2/56

- sign 2512.607+/-0.468 χ^2/NDF: 3329885.0/28



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

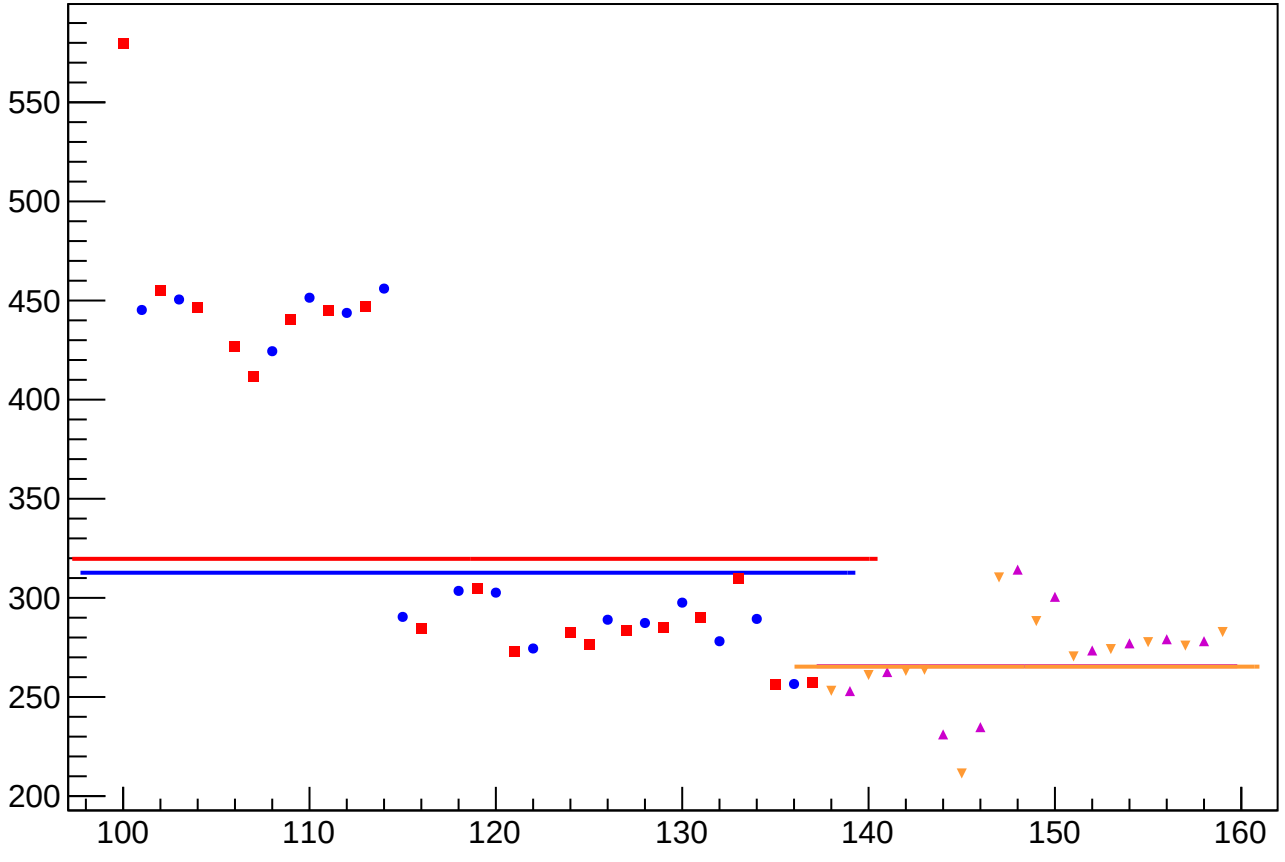
Left In: 165.558+/-90.465 χ^2/NDF:7.8/9

+ sign 0.492+/-69.839 χ^2/NDF: 49.1/27

All: 18.926+/-50.225 χ^2/NDF: 77.5/56

- sign 38.671+/-72.281 χ^2/NDF: 28.2/28

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

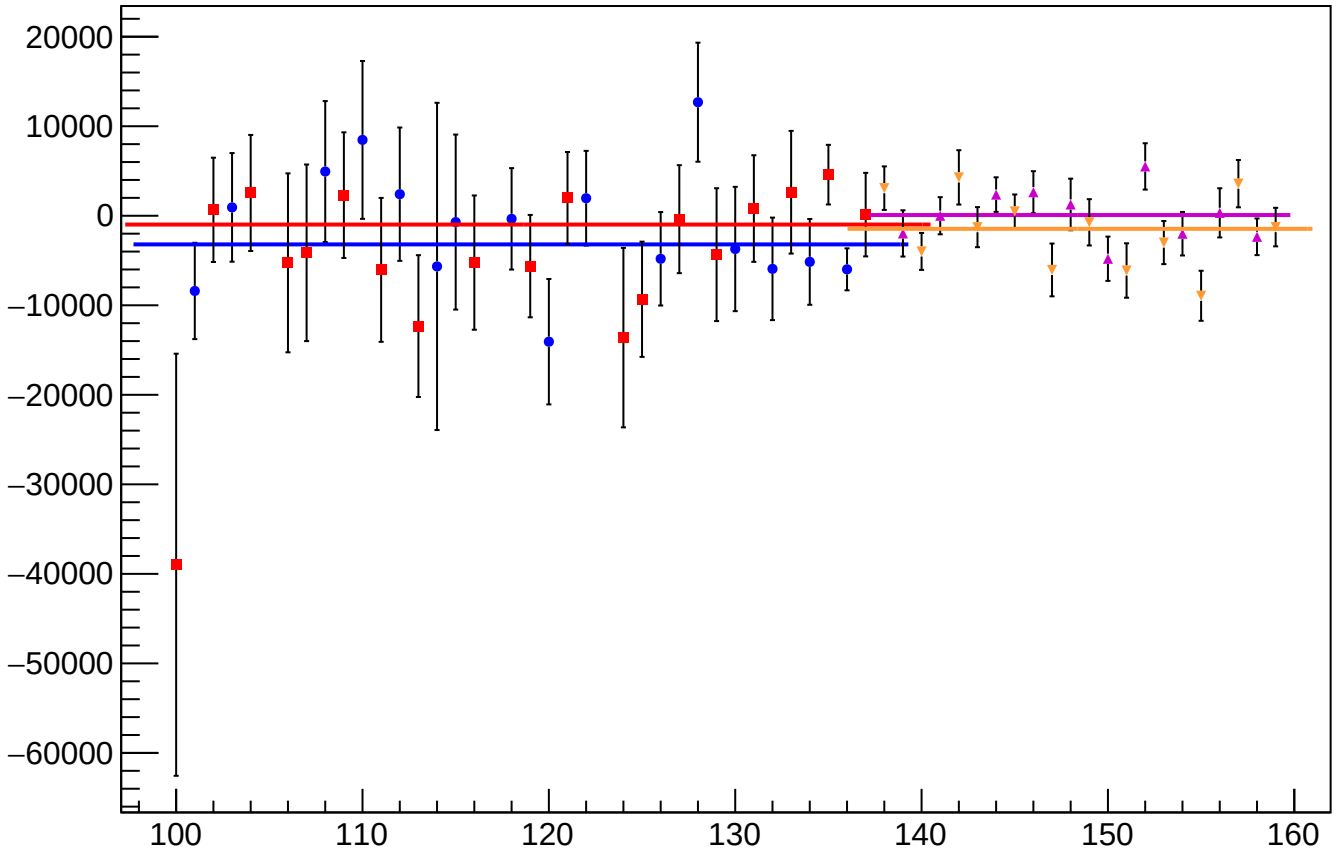
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 265.534+/-0.064 χ^2/NDF:150849.7/9

+ sign 281.659+/-0.049 χ^2/NDF: 979644.7/27

All: 283.329+/-0.036 χ^2/NDF: 2085782.6/56

- sign 285.119+/-0.051 χ^2/NDF: 1103767.8/28



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

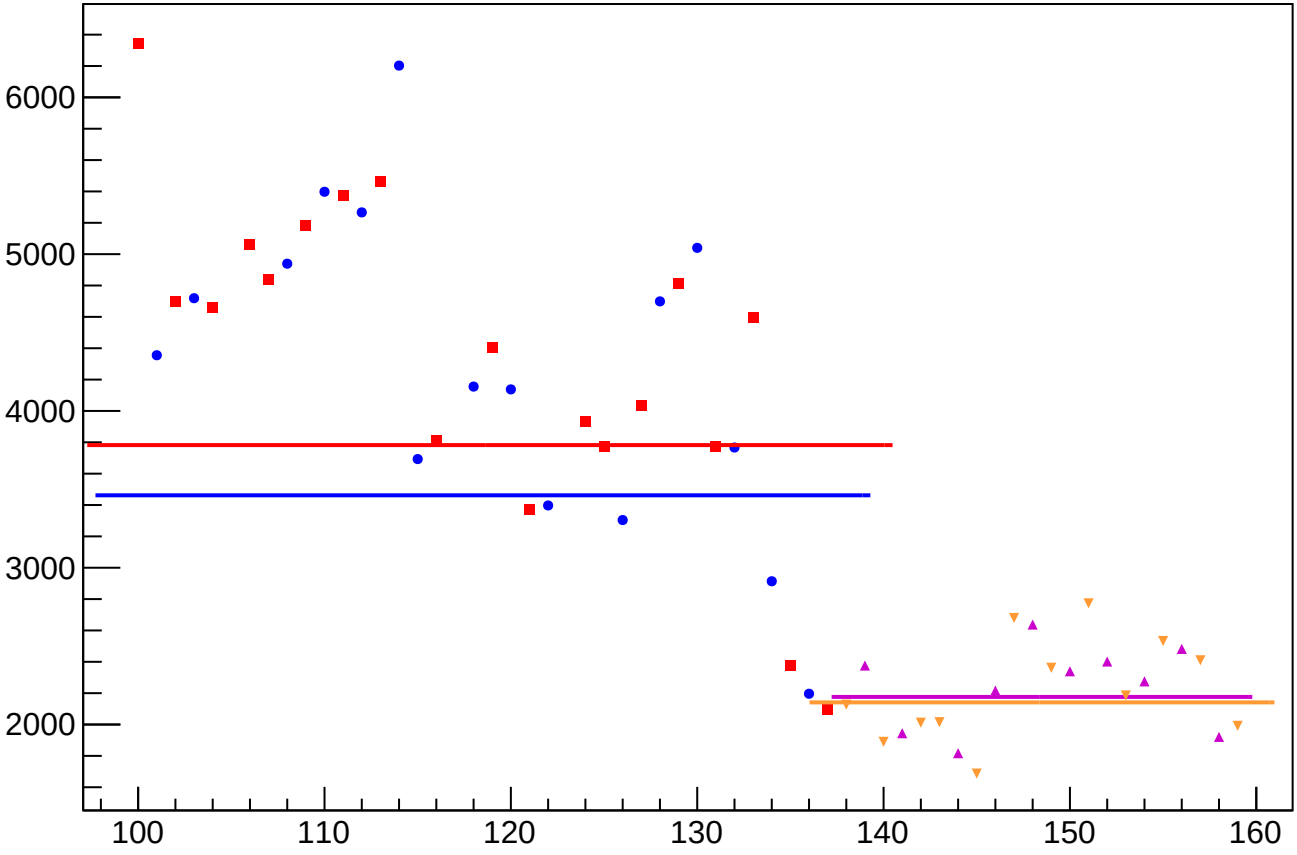
Left In: 82.989+/-744.151 χ^2/NDF:13.8/9

+ sign -1829.334+/-623.987 χ^2/NDF: 43.1/27

All: -1034.036+/-453.941 χ^2/NDF: 74.8/56

- sign -139.963+/-661.602 χ^2/NDF: 28.2/28

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

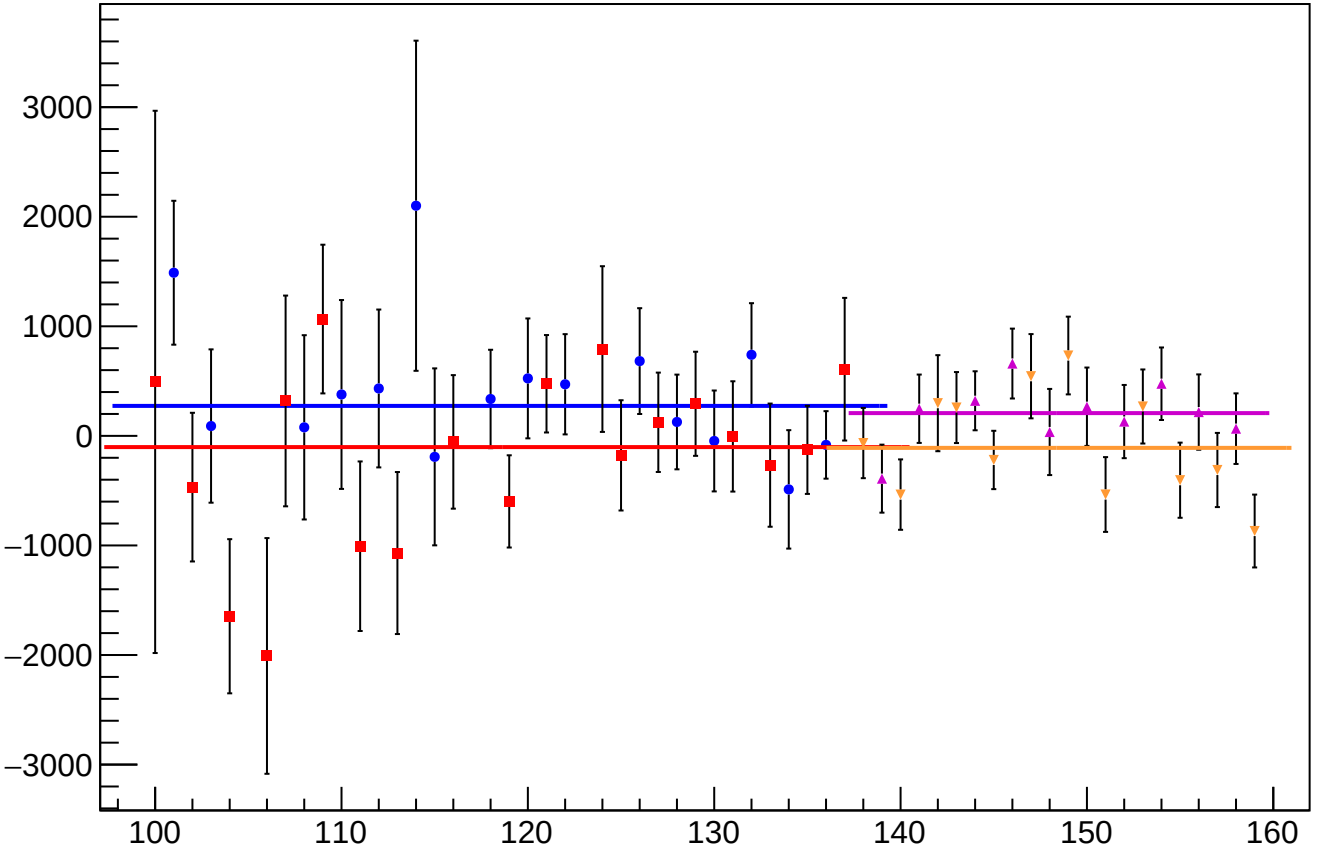
Left In: 2176.031+/-0.526 χ^2/NDF:241108.7/9

+ sign 2421.721+/-0.441 χ^2/NDF: 3201318.3/27

All: 2464.507+/-0.321 χ^2/NDF: 6551178.2/56

- sign 2512.607+/-0.468 χ^2/NDF: 3329885.0/28

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

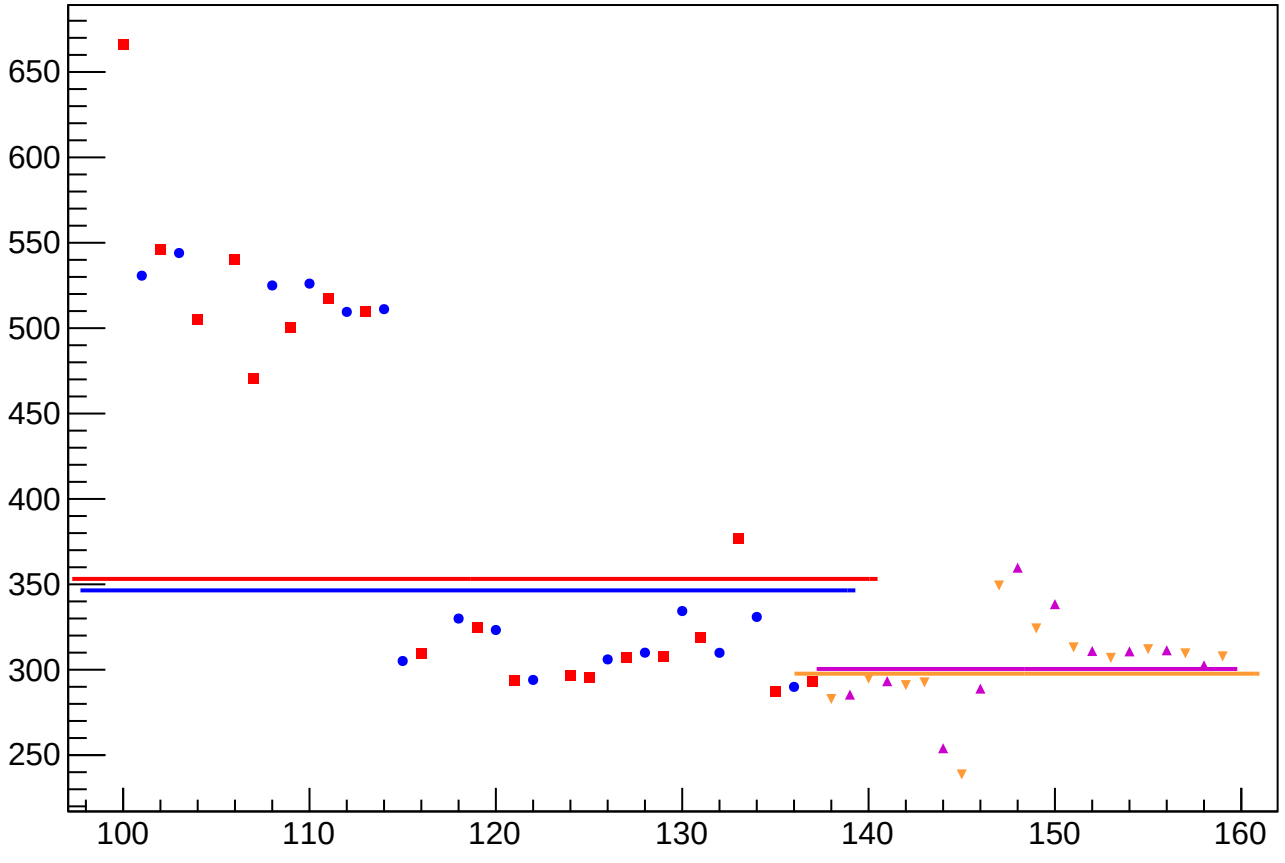
Left In: 207.813+/-102.722 χ^2/NDF:7.0/9

+ sign 23.845+/-78.198 χ^2/NDF: 38.7/27

All: 56.818+/-56.404 χ^2/NDF: 70.8/56

- sign 92.578+/-81.435 χ^2/NDF: 31.7/28

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

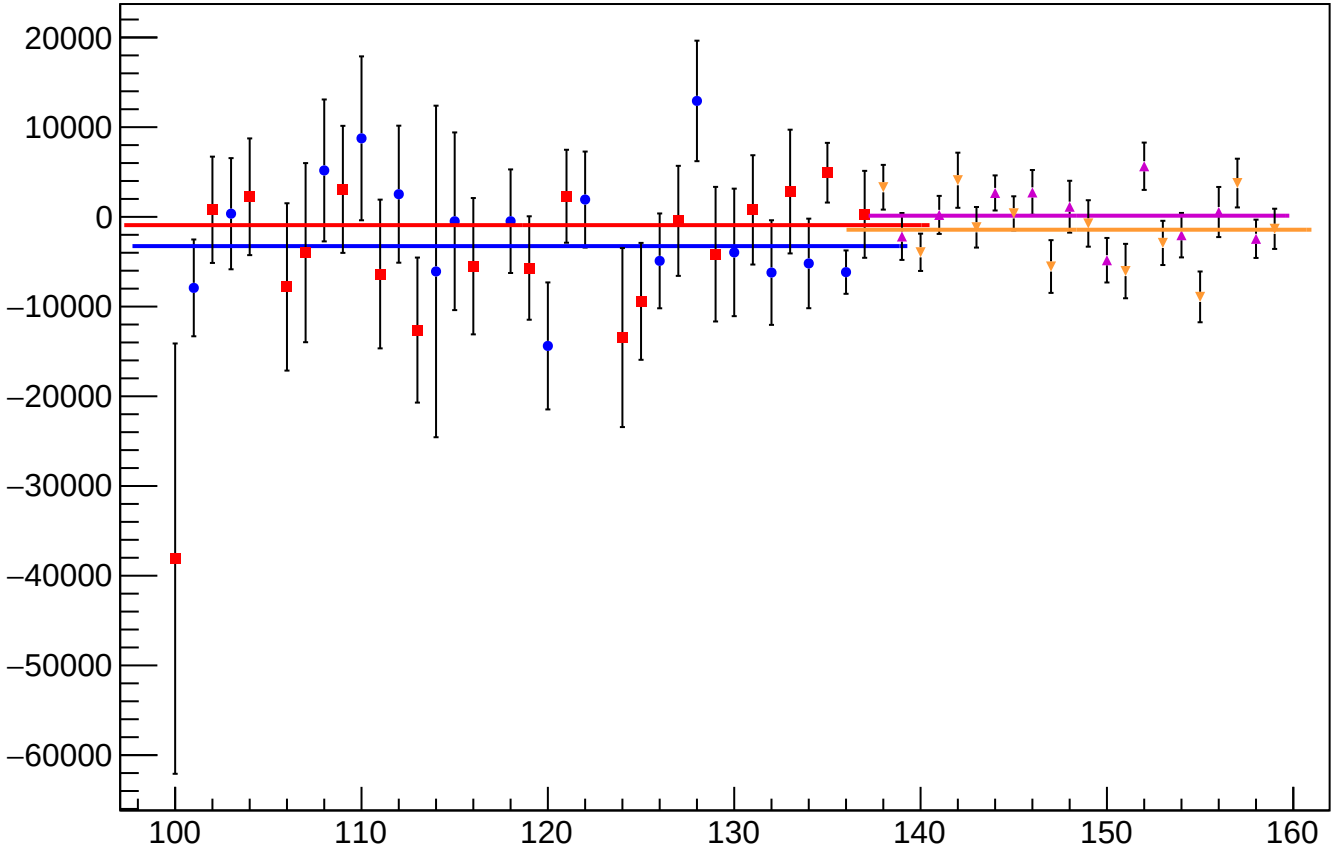
Left In: 300.445+/-0.073 χ^2/NDF:141859.4/9

+ sign 314.662+/-0.055 χ^2/NDF: 1109640.6/27

All: 317.240+/-0.040 χ^2/NDF: 2318204.8/56

- sign 320.036+/-0.058 χ^2/NDF: 1204033.0/28

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

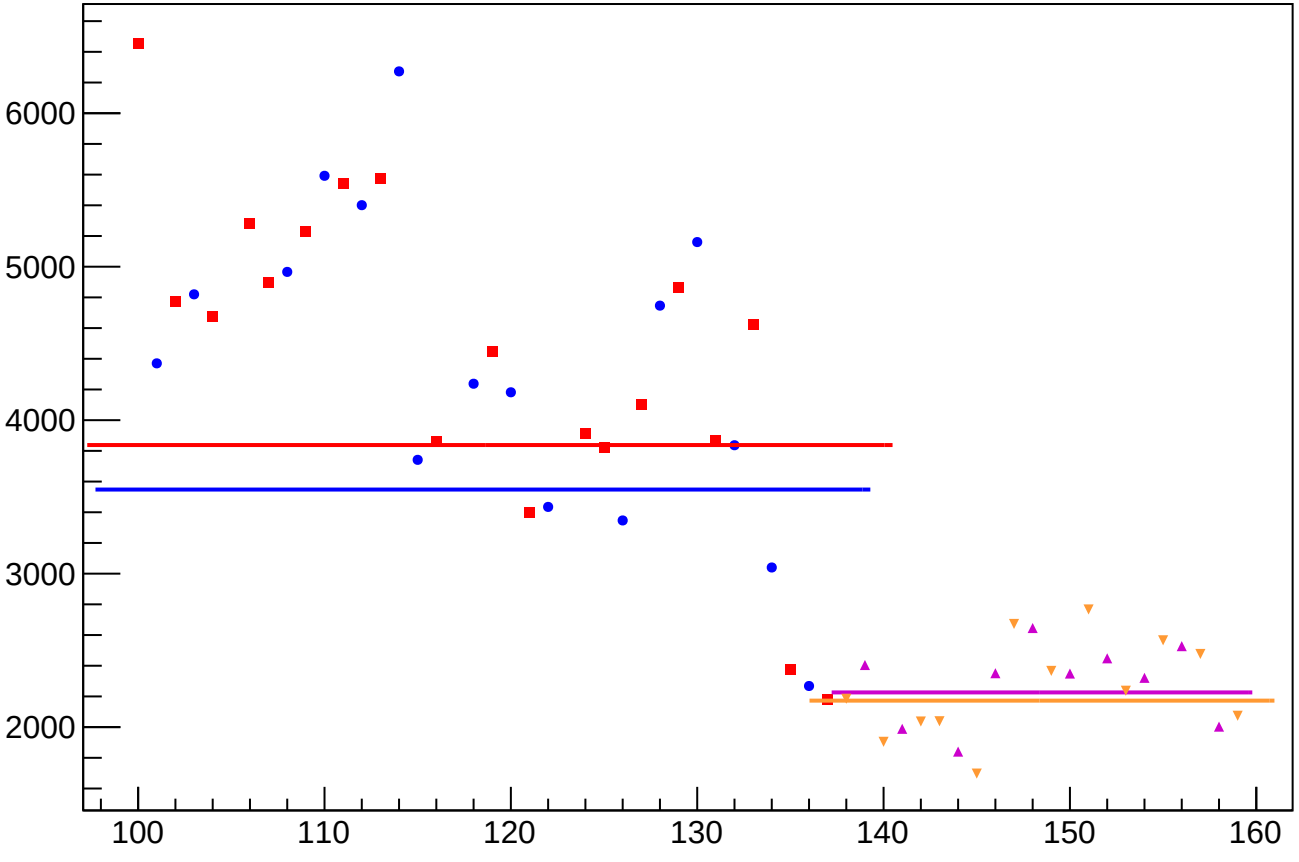
Left In: 131.155+/-760.982 χ^2/NDF:14.3/9

+ sign -1815.223+/-633.699 χ^2/NDF: 42.0/27

All: -1008.496+/-461.969 χ^2/NDF: 74.8/56

- sign -93.486+/-674.890 χ^2/NDF: 29.3/28

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

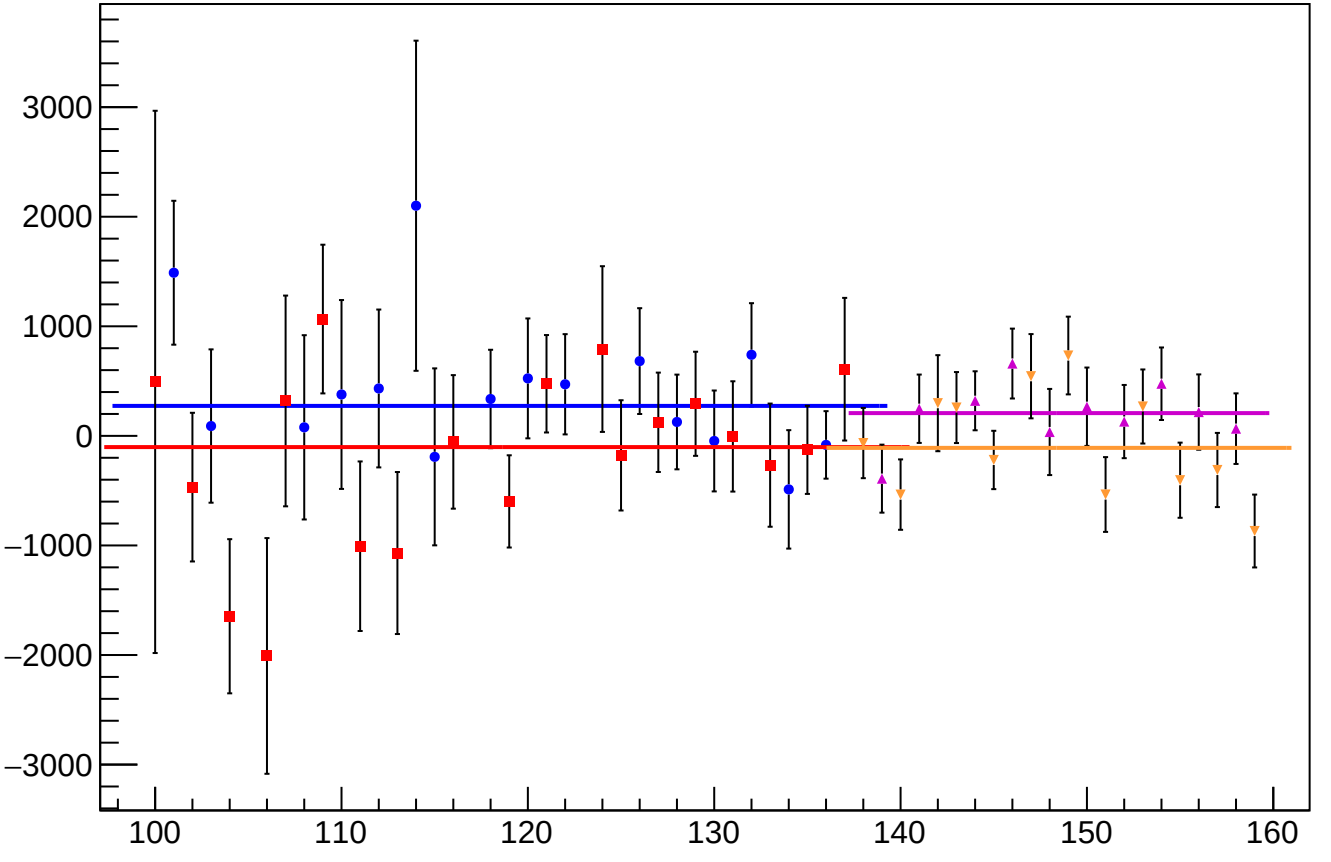
Left In: 2226.144+/-0.538 χ^2/NDF:226439.3/9

+ sign 2460.926+/-0.448 χ^2/NDF: 3203365.2/27

All: 2512.133+/-0.327 χ^2/NDF: 6528846.1/56

- sign 2570.214+/-0.477 χ^2/NDF: 3297608.9/28

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

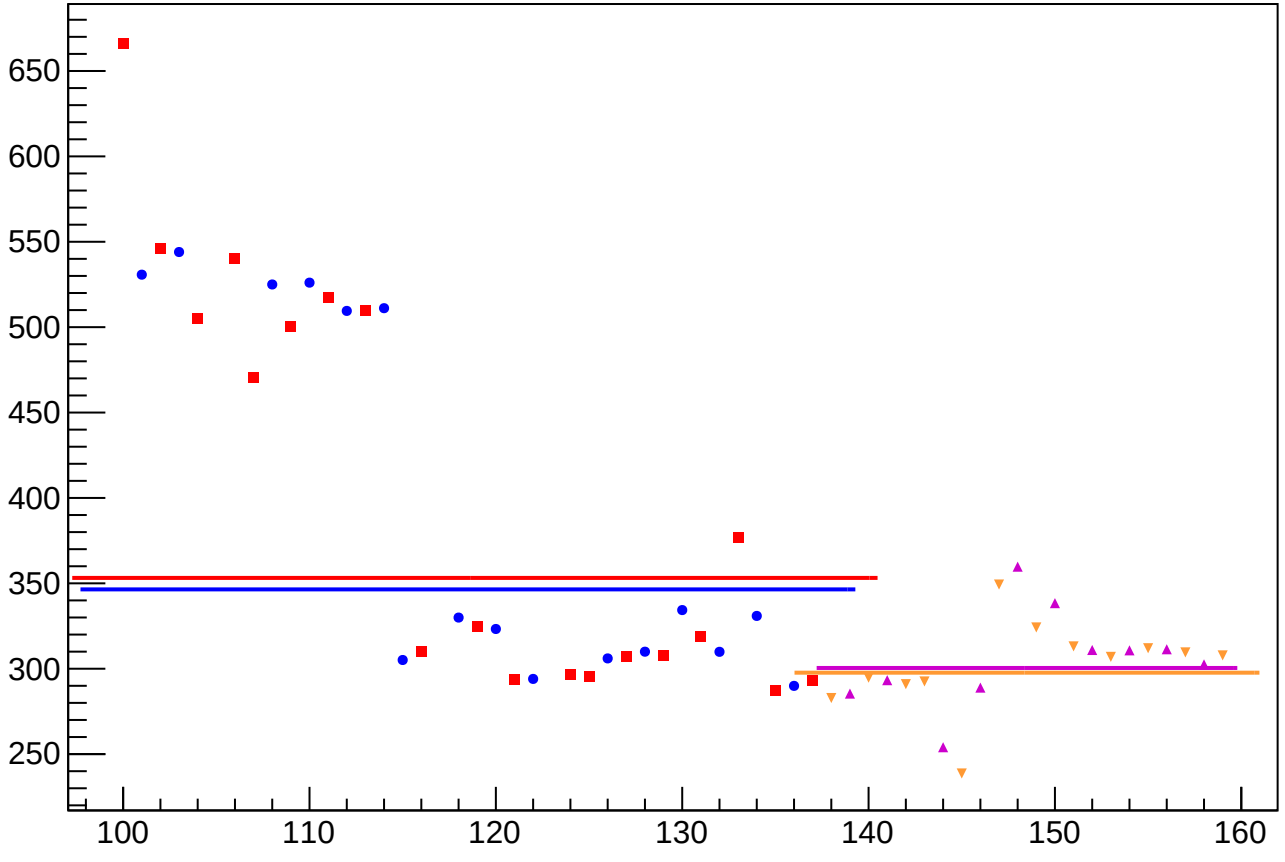
Left In: 207.816+/-102.722 χ^2/NDF:7.0/9

+ sign 23.846+/-78.198 χ^2/NDF: 38.7/27

All: 56.820+/-56.404 χ^2/NDF: 70.8/56

- sign 92.579+/-81.435 χ^2/NDF: 31.7/28

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

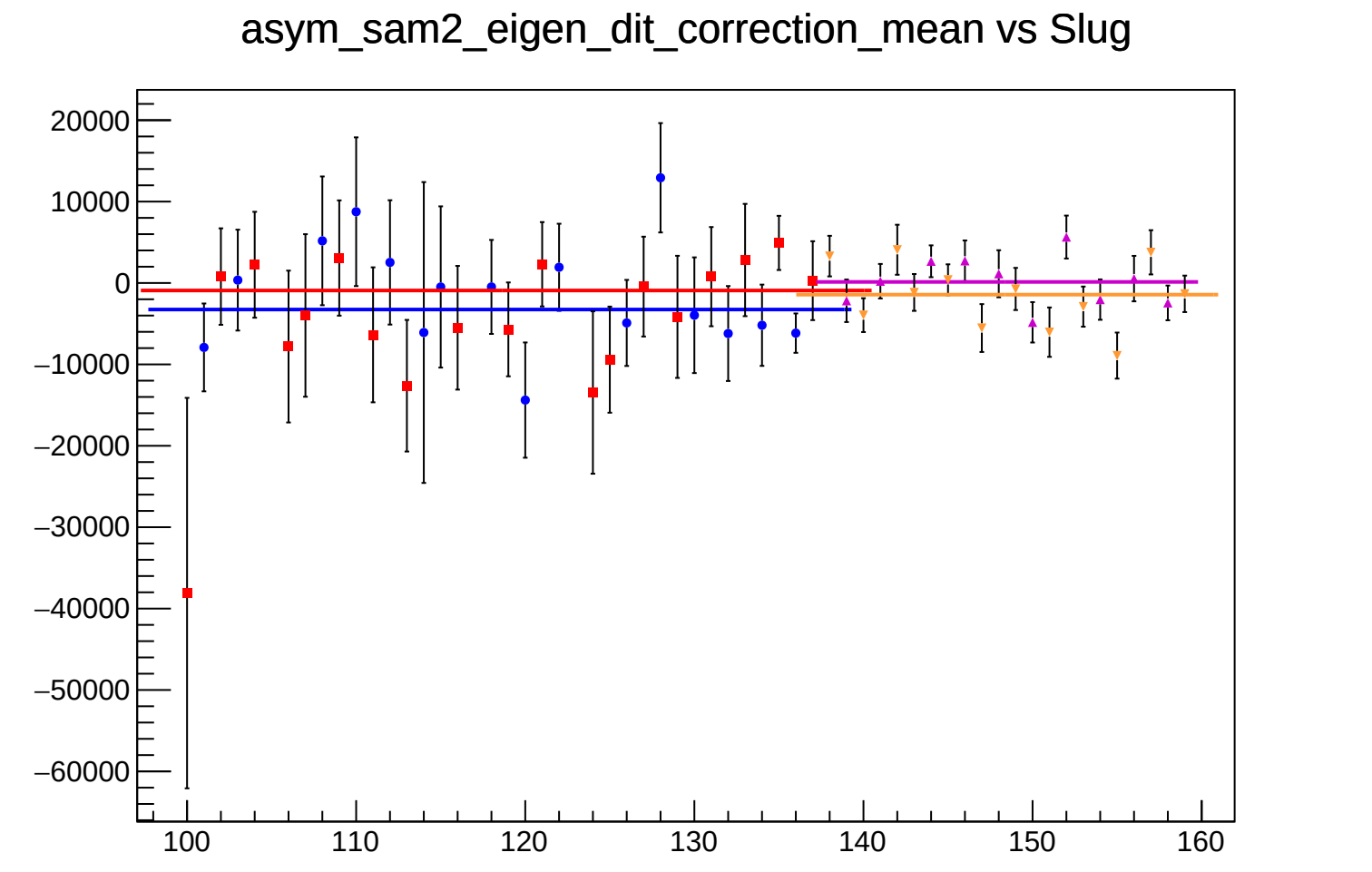
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 300.445+/-0.073 χ^2/NDF:141861.0/9

+ sign 314.661+/-0.055 χ^2/NDF: 1109620.8/27

All: 317.239+/-0.040 χ^2/NDF: 2318168.0/56

- sign 320.035+/-0.058 χ^2/NDF: 1204015.6/28



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

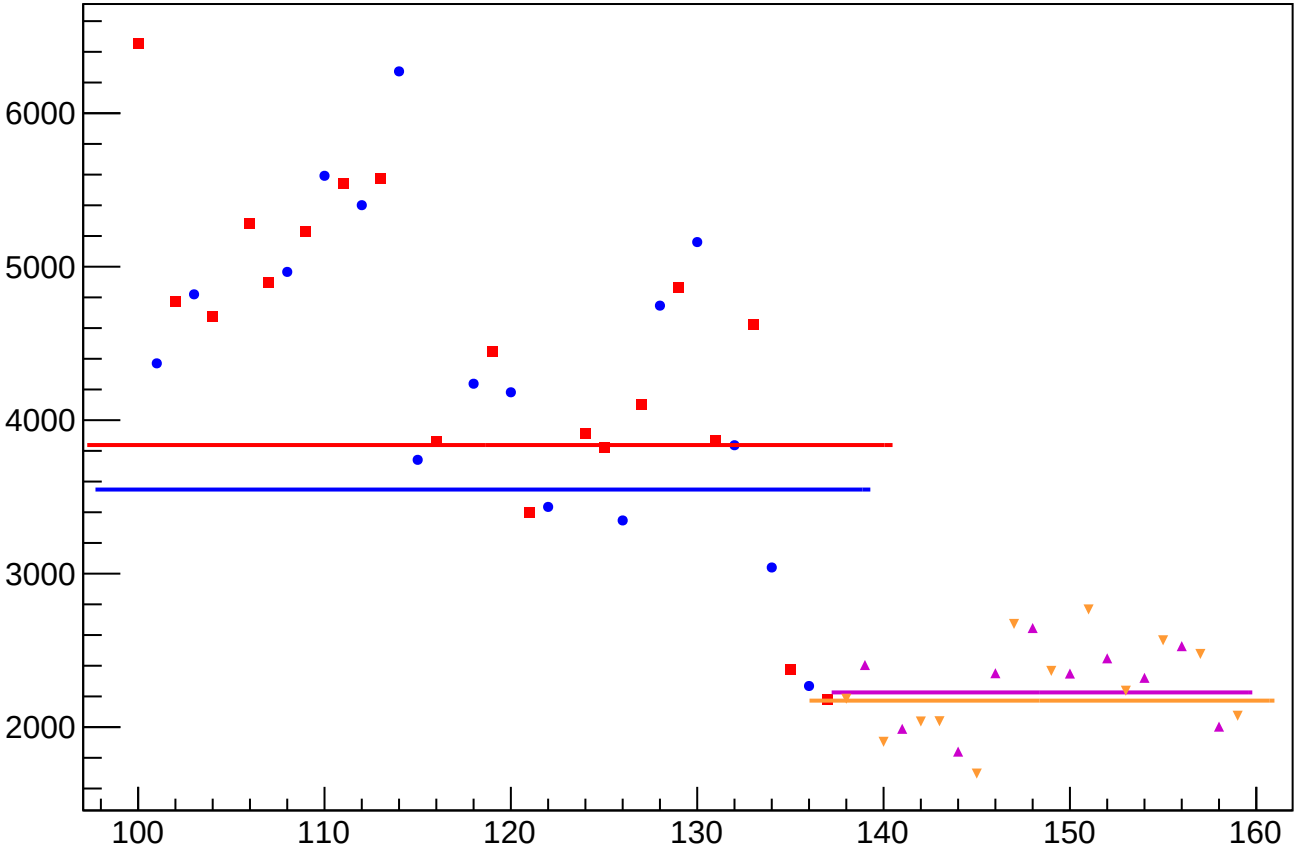
Left In: 131.154+/-760.982 χ^2/NDF:14.3/9

+ sign -1815.219+/-633.699 χ^2/NDF: 42.0/27

All: -1008.496+/-461.969 χ^2/NDF: 74.8/56

- sign -93.488+/-674.890 χ^2/NDF: 29.3/28

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

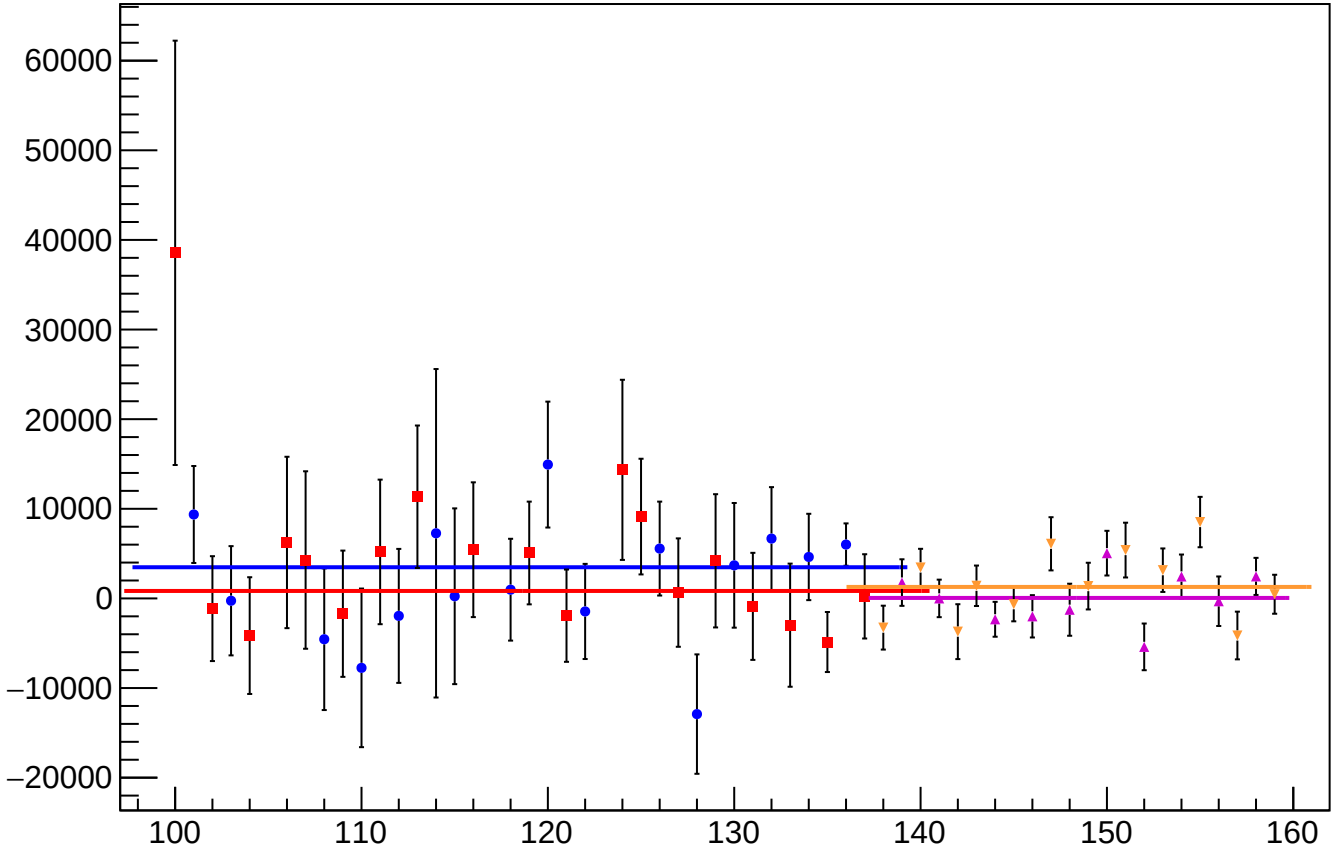
Left In: 2226.144+/-0.538 χ^2/NDF:226440.8/9

+ sign 2460.924+/-0.448 χ^2/NDF: 3203357.2/27

All: 2512.132+/-0.327 χ^2/NDF: 6528825.4/56

- sign 2570.213+/-0.477 χ^2/NDF: 3297595.9/28

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

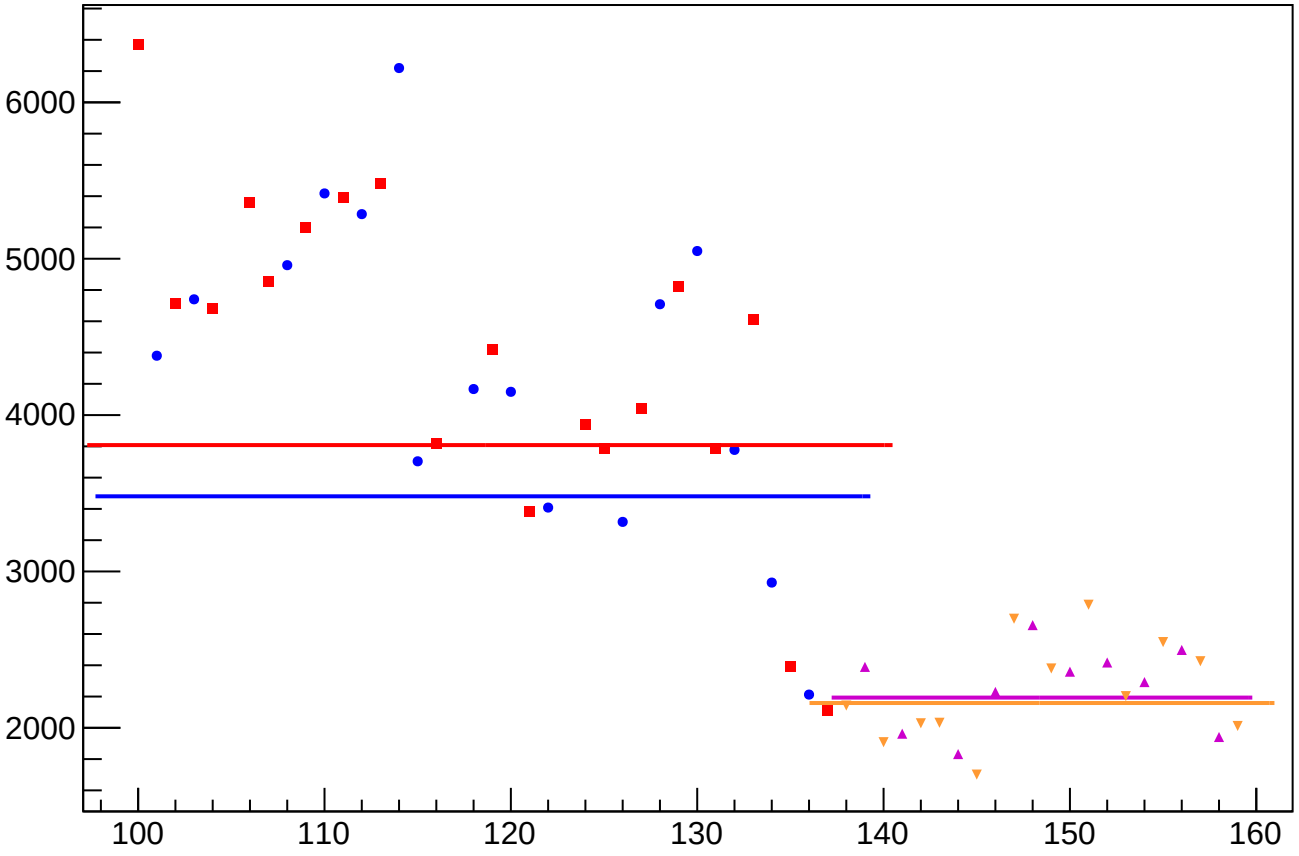
Left In: 54.529+/-749.942 χ^2/NDF:13.6/9

+ sign 1750.765+/-628.529 χ^2/NDF: 42.5/27

All: 1029.189+/-457.139 χ^2/NDF: 73.2/56

- sign 218.795+/-666.089 χ^2/NDF: 27.9/28

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

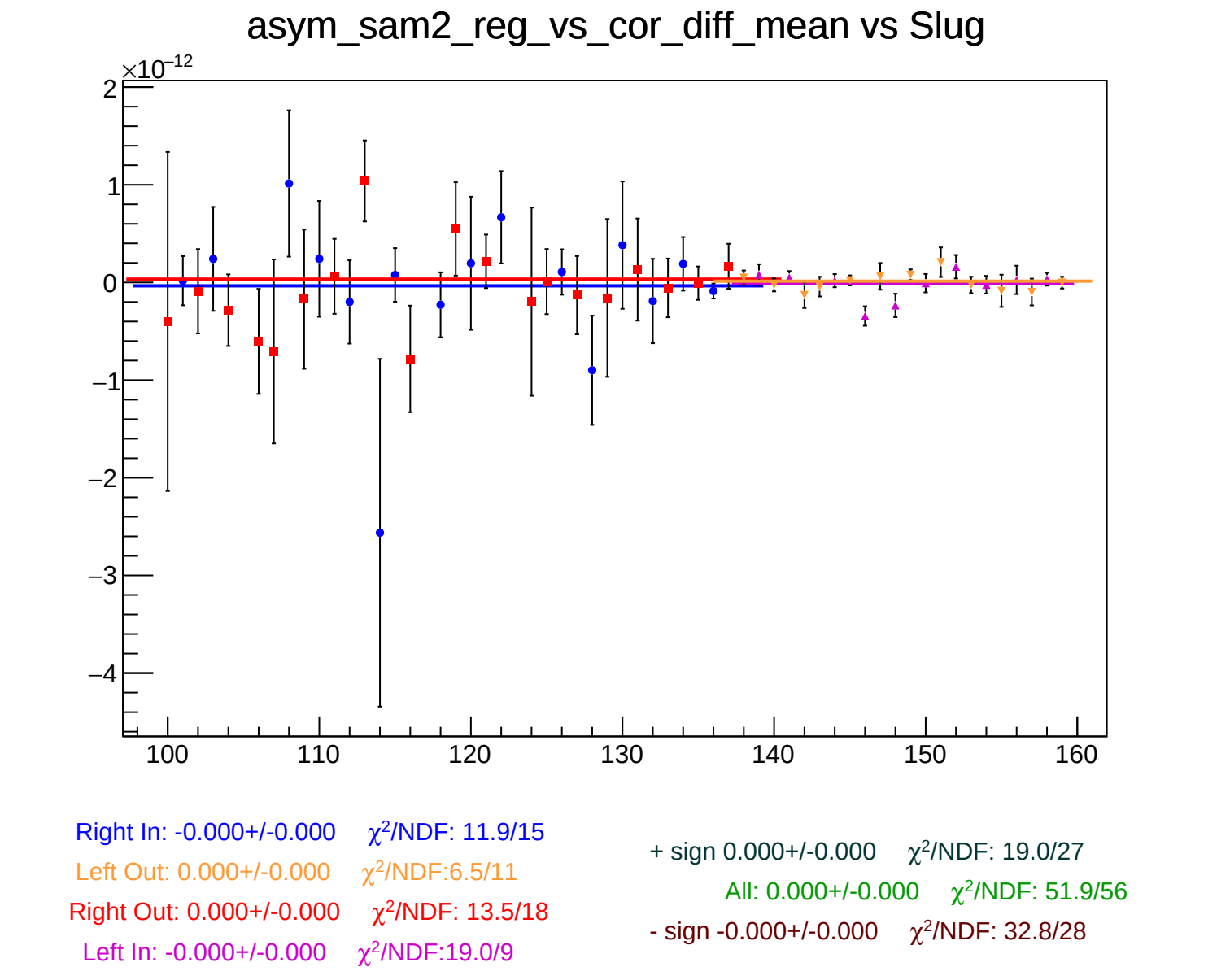
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

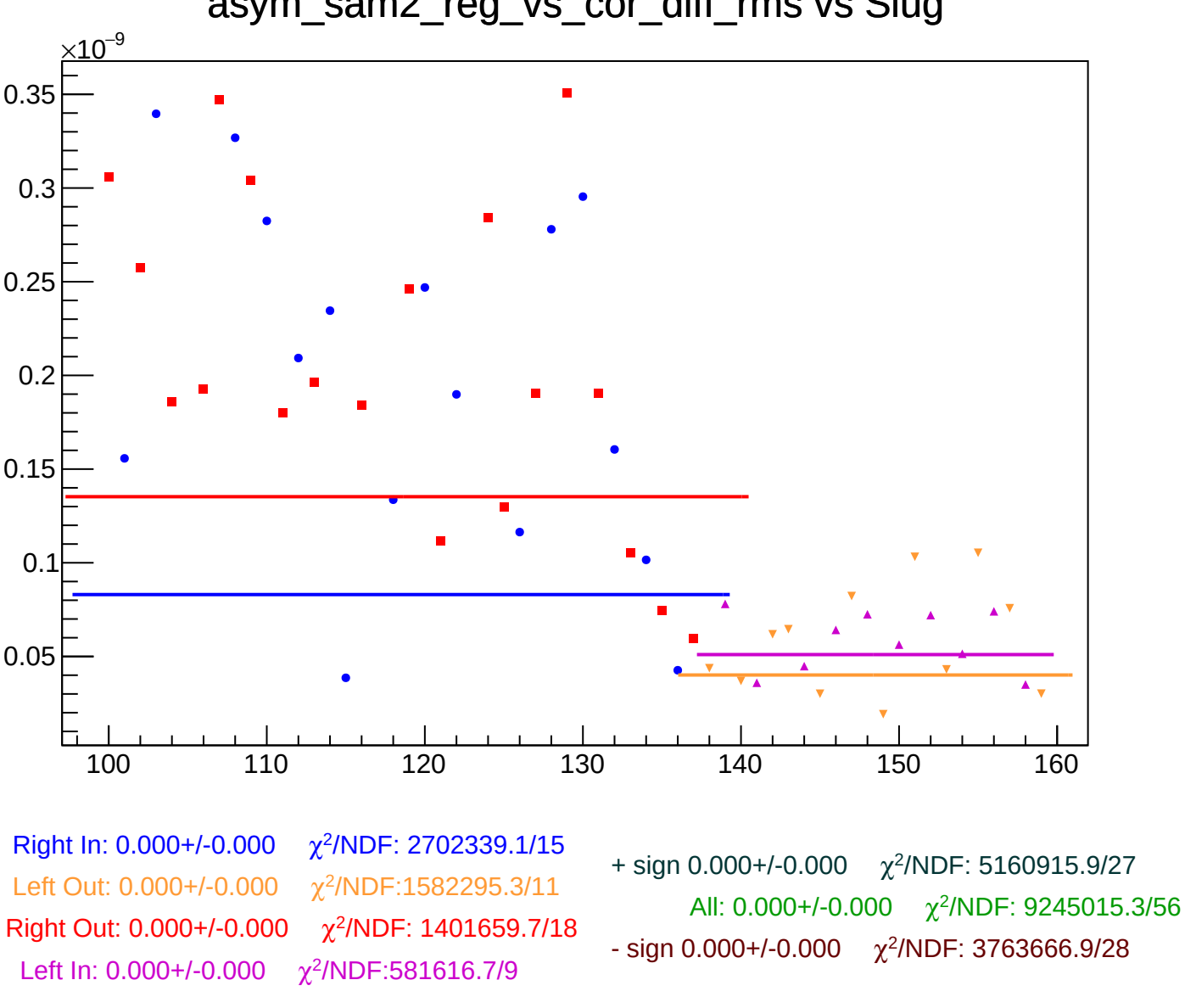
Left In: 2193.326+/-0.530 χ^2/NDF:237071.1/9

+ sign 2440.837+/-0.444 χ^2/NDF: 3169195.5/27

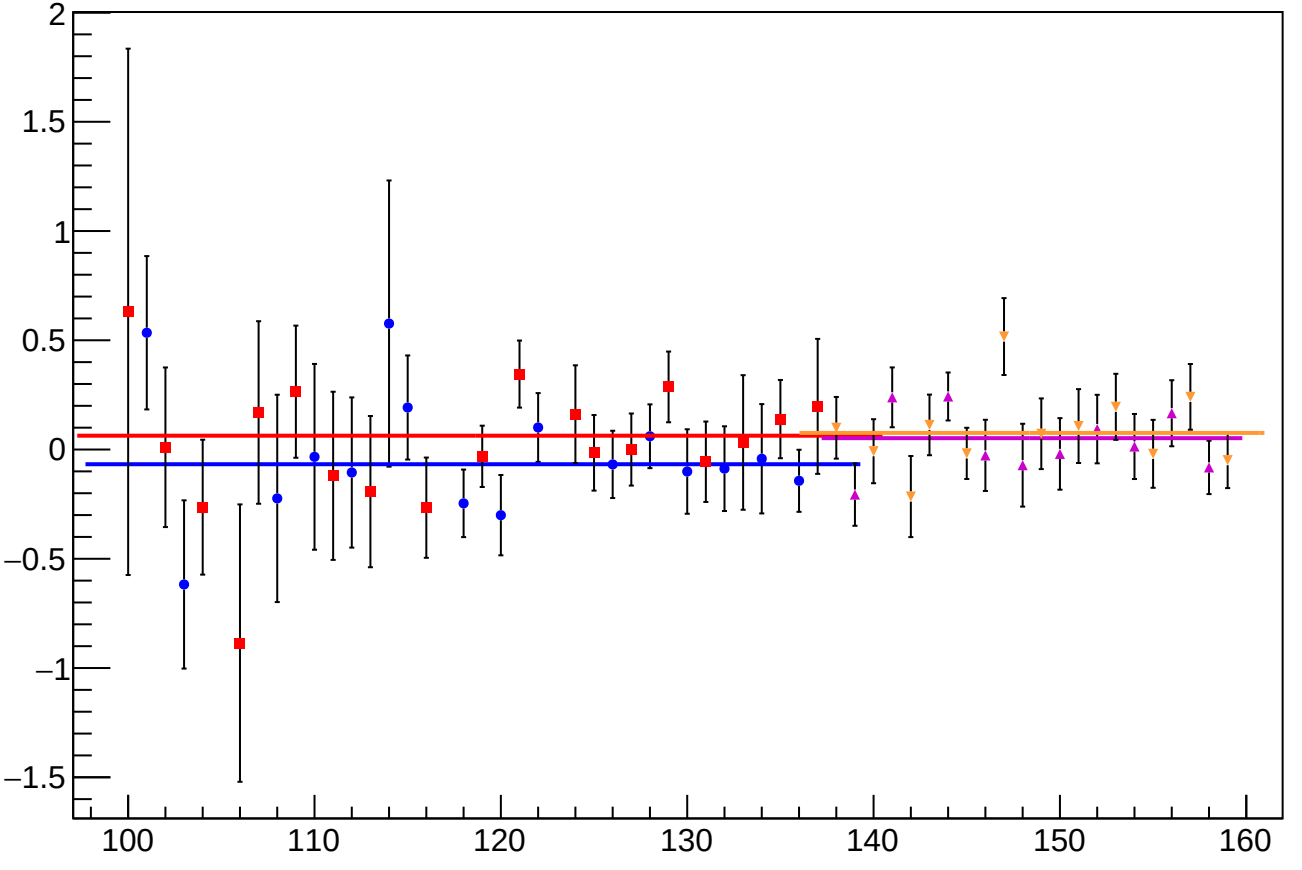
All: 2484.838+/-0.323 χ^2/NDF: 6532420.8/56

- sign 2534.255+/-0.471 χ^2/NDF: 3342415.4/28


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:19.0/9
+ sign 0.000+/-0.000 χ²/NDF: 19.0/27
All: 0.000+/-0.000 χ²/NDF: 51.9/56
- sign -0.000+/-0.000 χ²/NDF: 32.8/28


asym_sam2_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2702339.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1582295.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:581616.7/9
+ sign 0.000+/-0.000 χ²/NDF: 5160915.9/27
All: 0.000+/-0.000 χ²/NDF: 9245015.3/56
- sign 0.000+/-0.000 χ²/NDF: 3763666.9/28

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

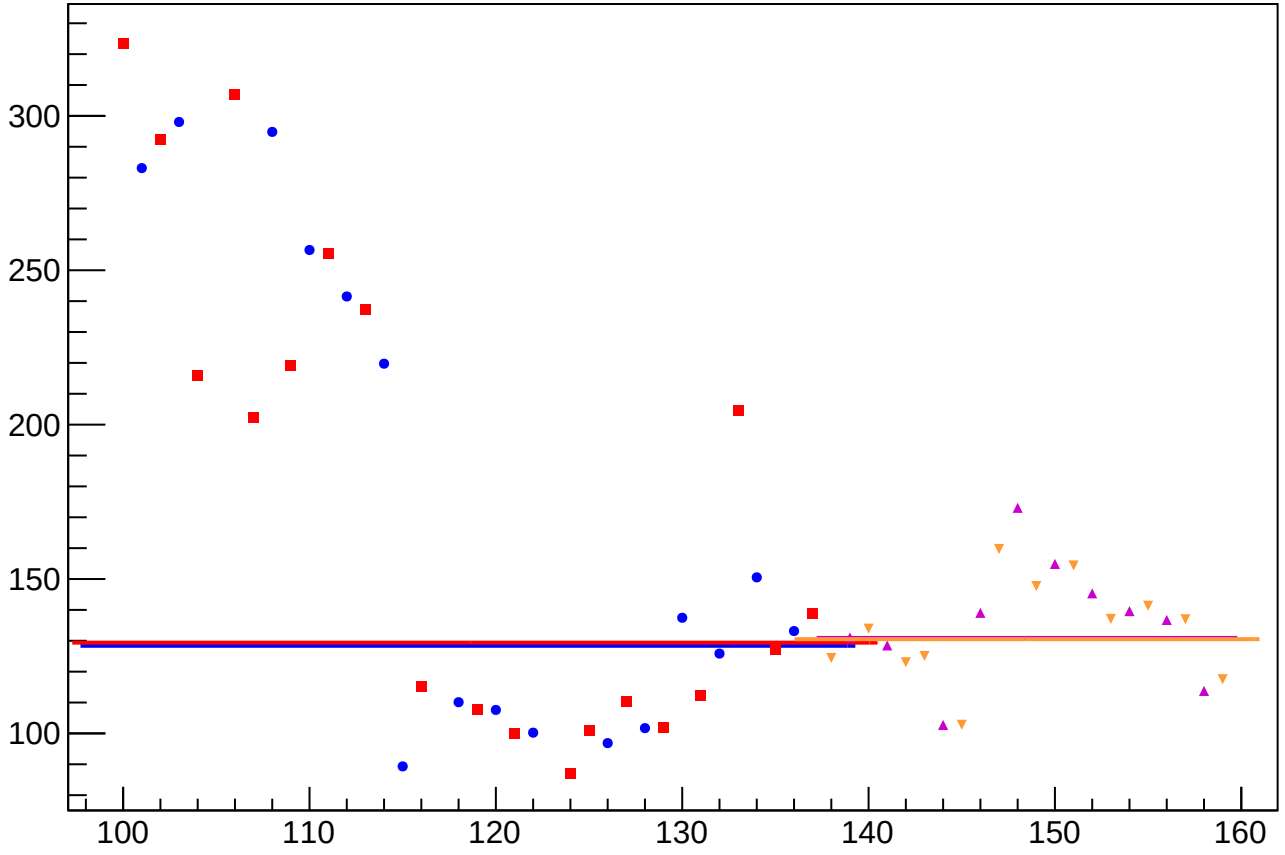
Left In: 0.052+/-0.045 χ^2/NDF:10.9/9

+ sign 0.018+/-0.033 χ^2/NDF: 30.0/27

All: 0.037+/-0.024 χ^2/NDF: 55.7/56

- sign 0.057+/-0.034 χ^2/NDF: 25.0/28

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

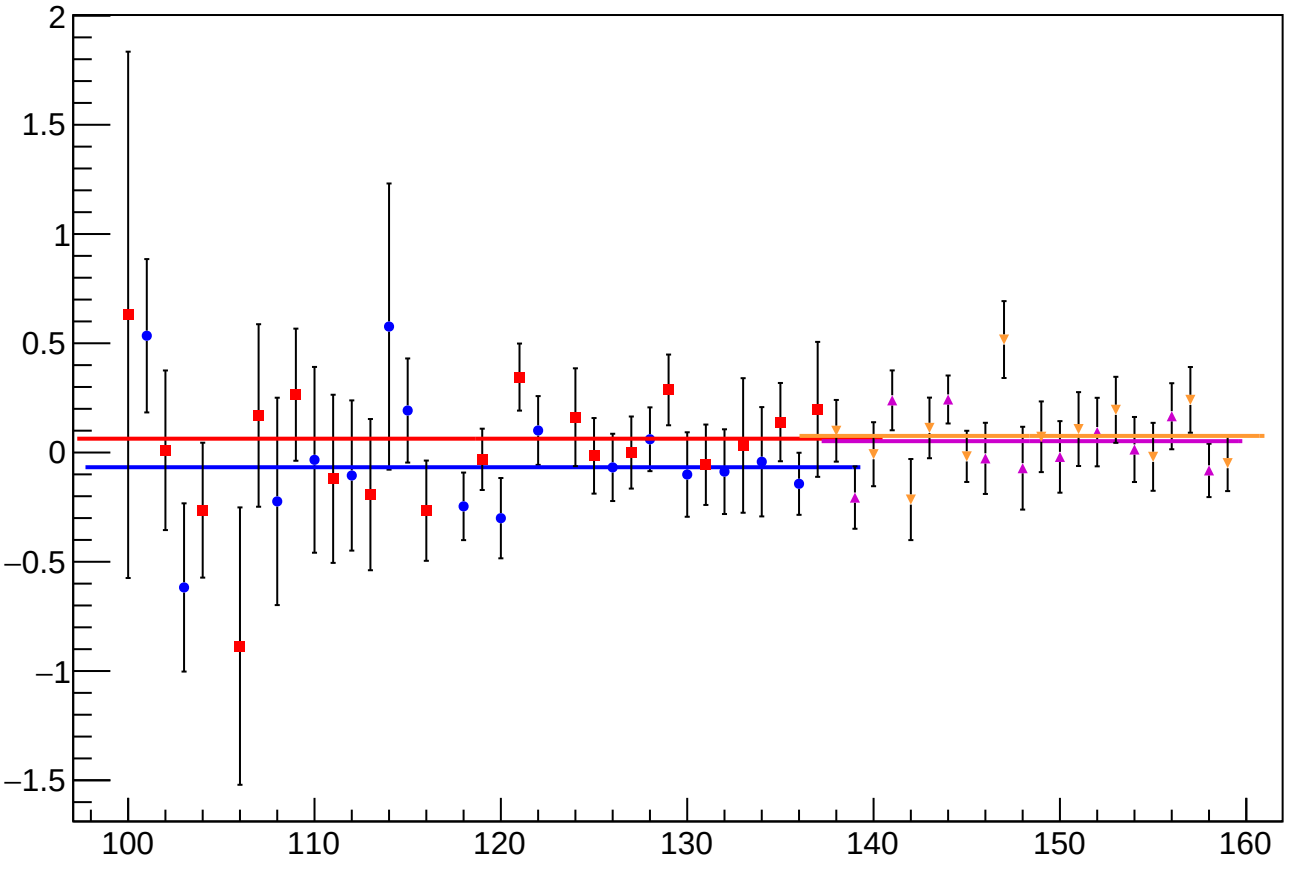
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.922+/-0.032 χ^2/NDF:345314.6/9

+ sign 129.646+/-0.023 χ^2/NDF: 2085542.9/27

All: 129.942+/-0.017 χ^2/NDF: 4320443.5/56

- sign 130.258+/-0.024 χ^2/NDF: 2234568.2/28



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

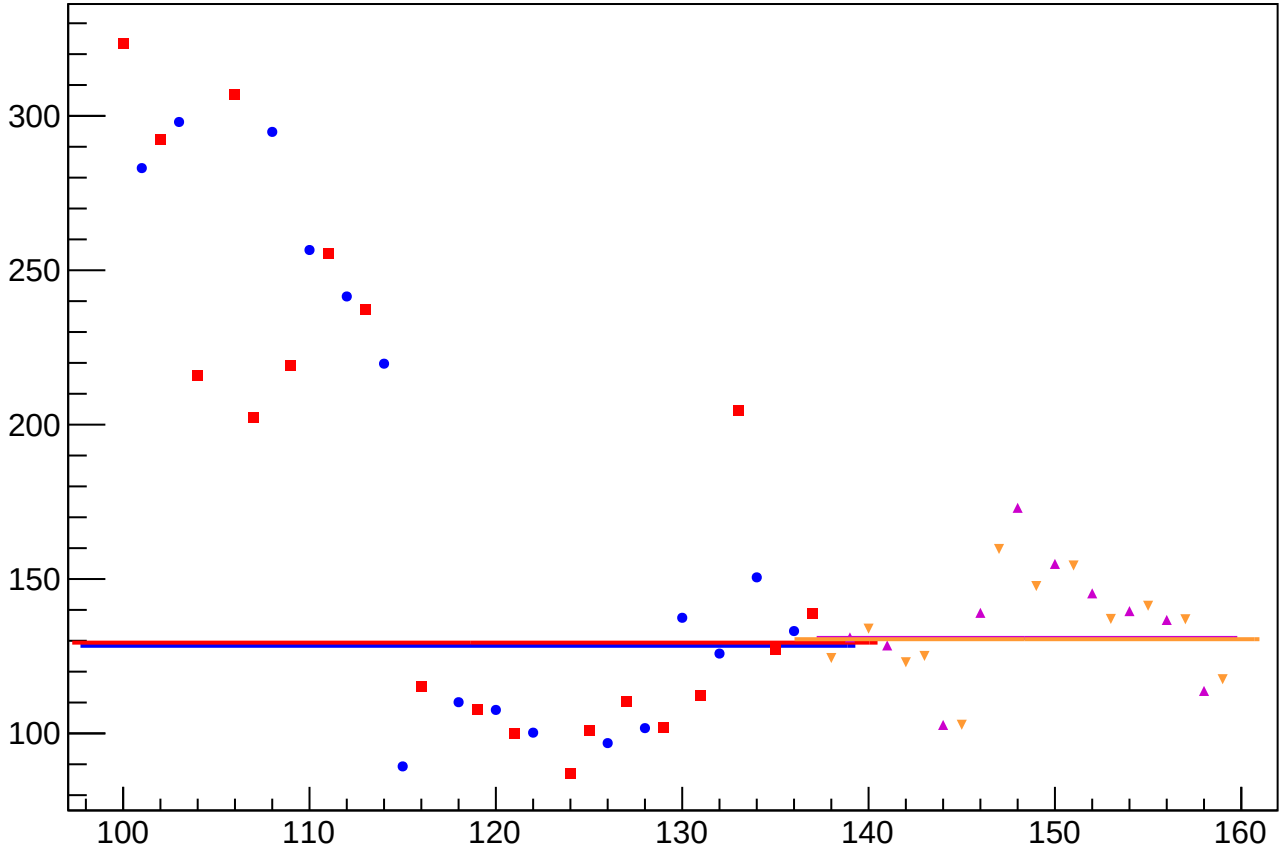
Left In: 0.052+/-0.045 χ^2/NDF:10.9/9

+ sign 0.018+/-0.033 χ^2/NDF: 30.0/27

All: 0.037+/-0.024 χ^2/NDF: 55.7/56

- sign 0.057+/-0.034 χ^2/NDF: 25.0/28

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

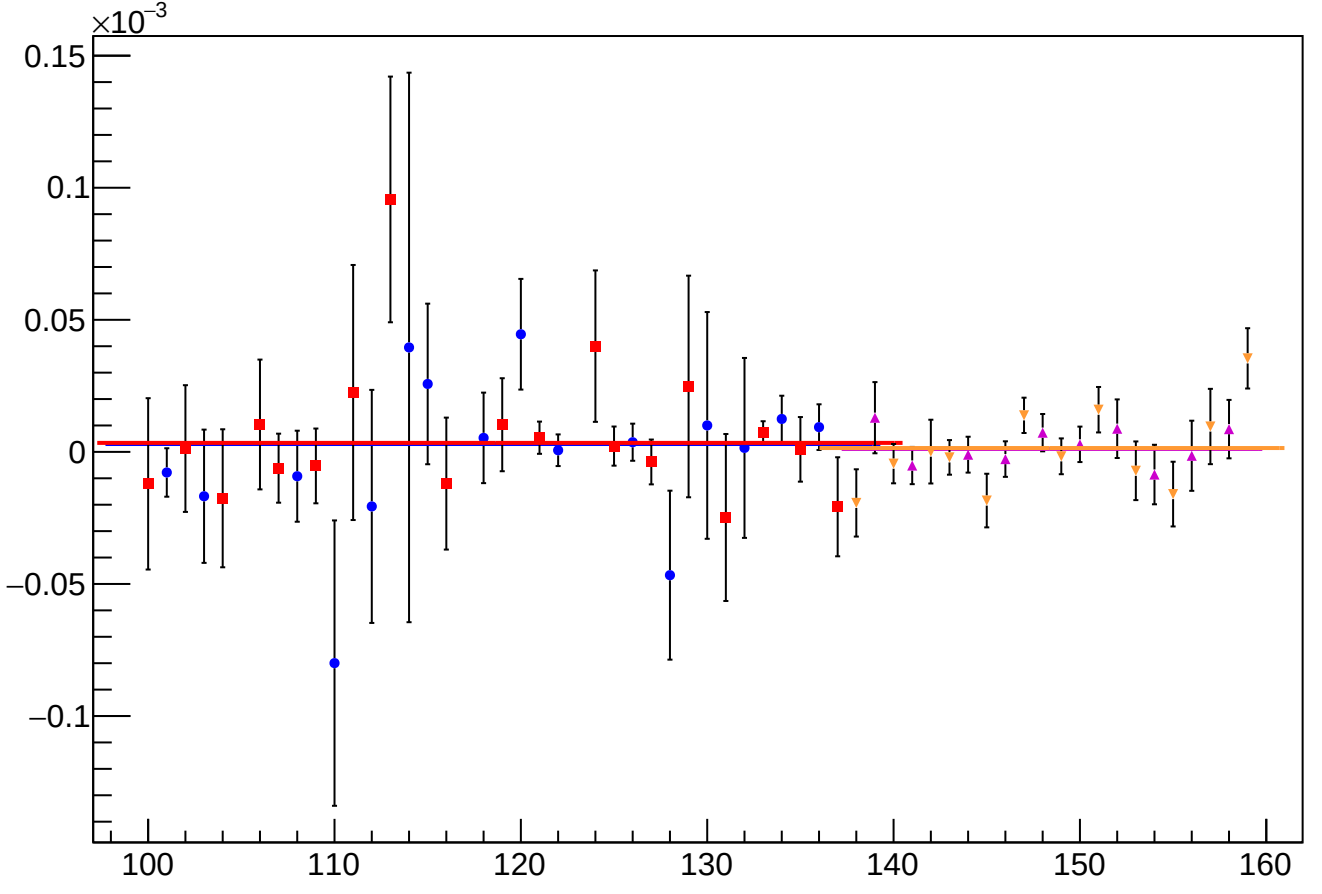
Left In: 130.922+/-0.032 χ^2/NDF:345314.6/9

+ sign 129.646+/-0.023 χ^2/NDF: 2085542.9/27

All: 129.942+/-0.017 χ^2/NDF: 4320443.5/56

- sign 130.258+/-0.024 χ^2/NDF: 2234568.2/28

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

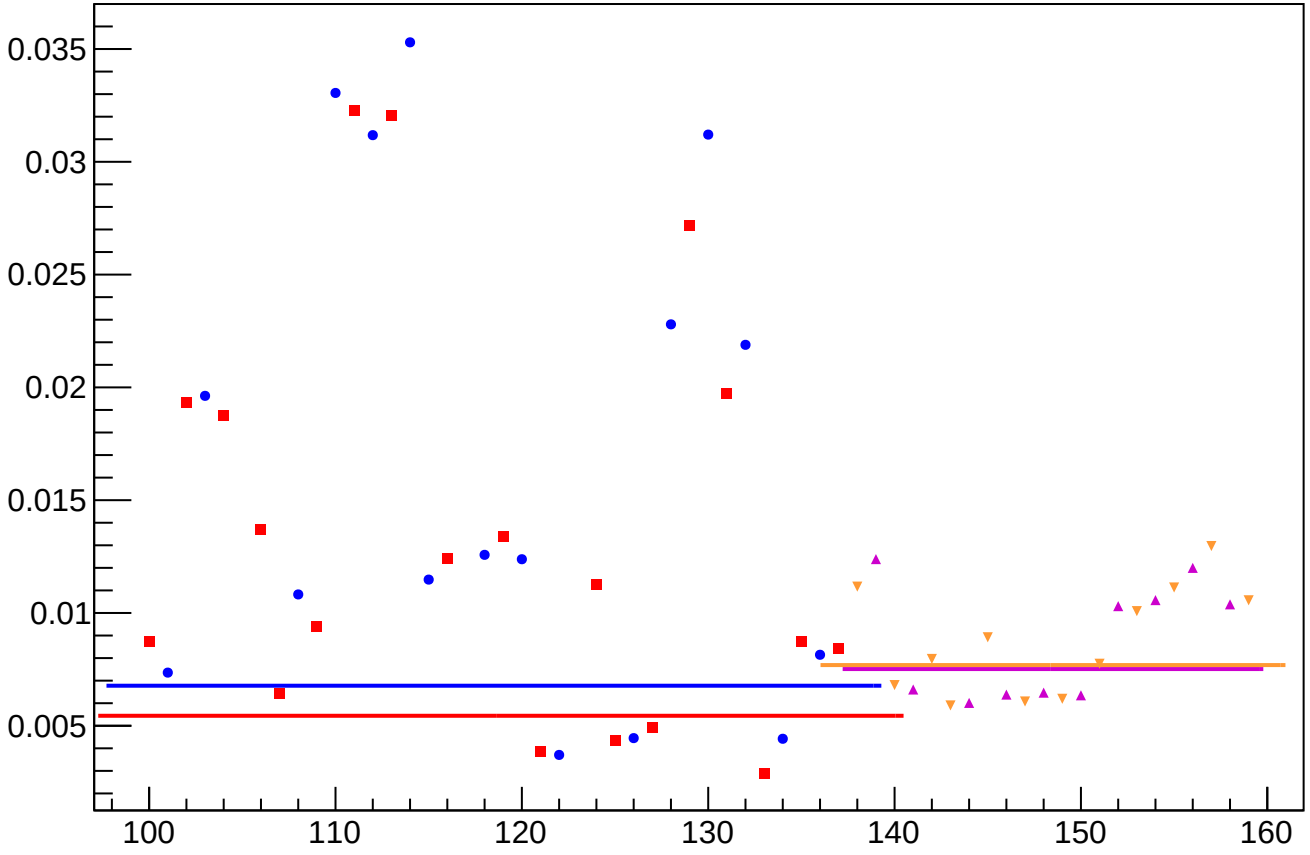
Left In: 0.000+/-0.000 χ^2/NDF:4.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/27

All: 0.000+/-0.000 χ^2/NDF: 57.5/56

- sign 0.000+/-0.000 χ^2/NDF: 17.5/28

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

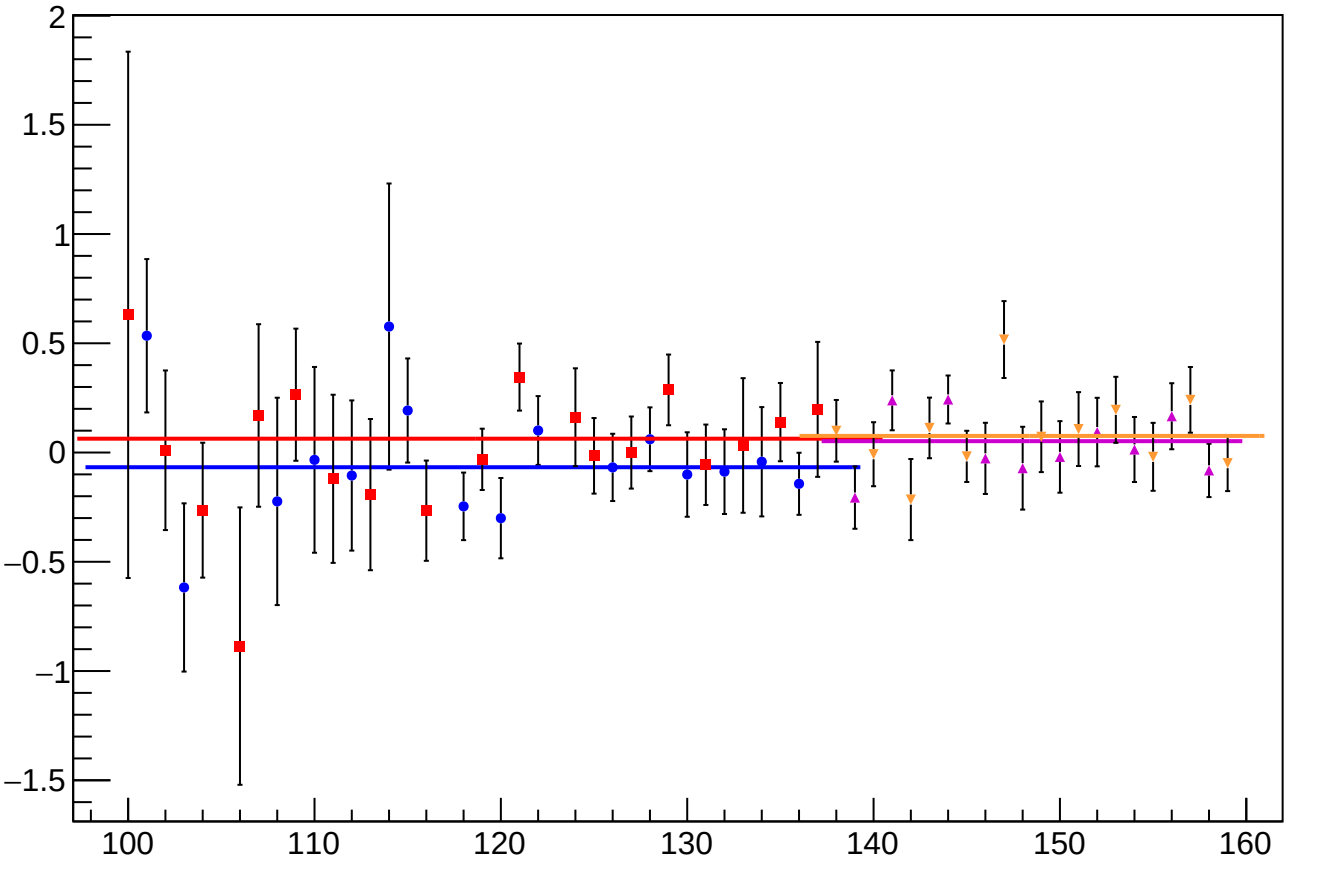
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1189567.0/9

+ sign 0.007+/-0.000 χ^2/NDF: 6095233.7/27

All: 0.007+/-0.000 χ^2/NDF: 13680770.3/56

- sign 0.006+/-0.000 χ^2/NDF: 7383489.6/28



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

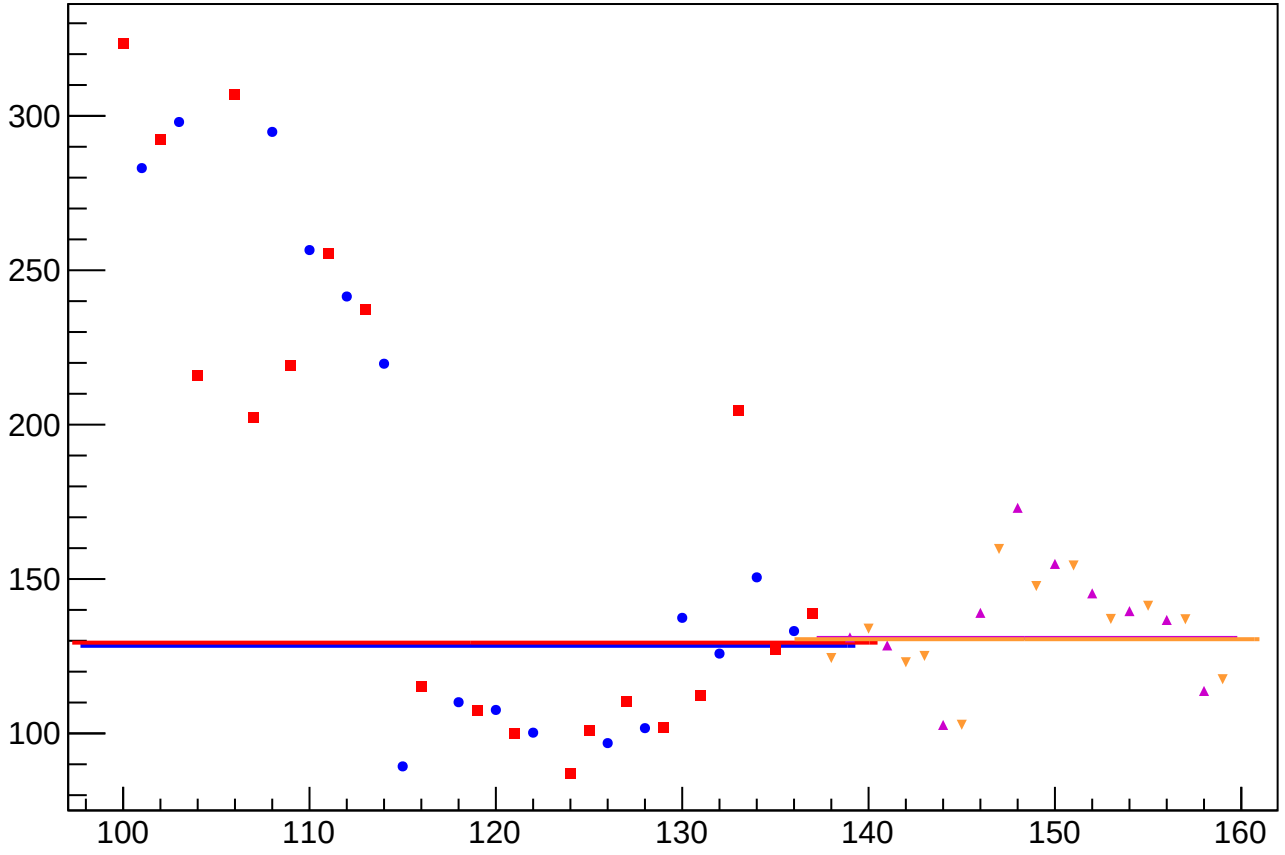
Left In: 0.052+/-0.045 χ^2/NDF:10.9/9

+ sign 0.018+/-0.033 χ^2/NDF: 30.0/27

All: 0.037+/-0.024 χ^2/NDF: 55.7/56

- sign 0.057+/-0.034 χ^2/NDF: 25.0/28

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

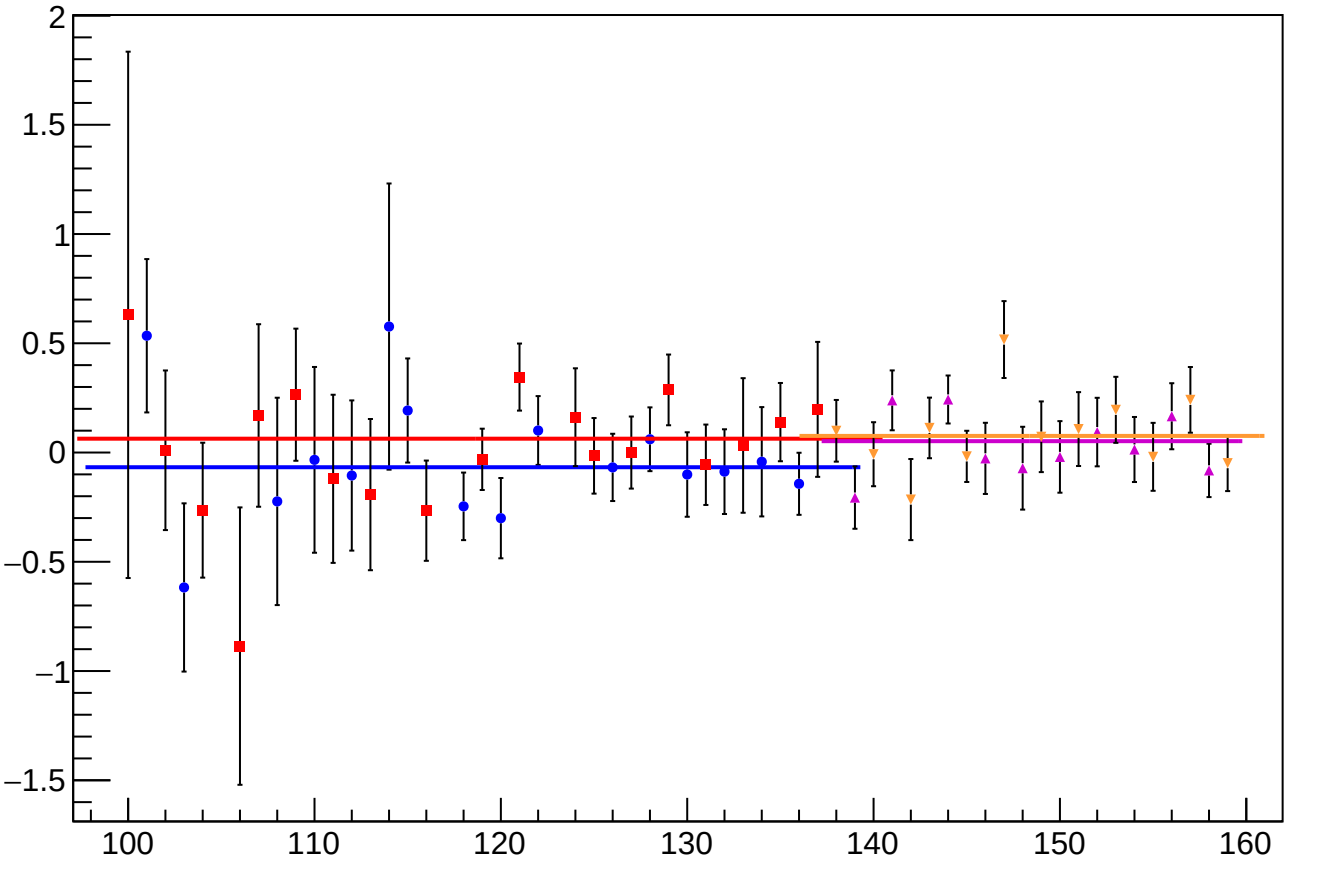
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.922+/-0.032 χ^2/NDF:345329.8/9

+ sign 129.645+/-0.023 χ^2/NDF: 2085524.7/27

All: 129.940+/-0.017 χ^2/NDF: 4320445.1/56

- sign 130.256+/-0.024 χ^2/NDF: 2234588.2/28



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.076+/-0.043 χ^2/NDF:13.0/11

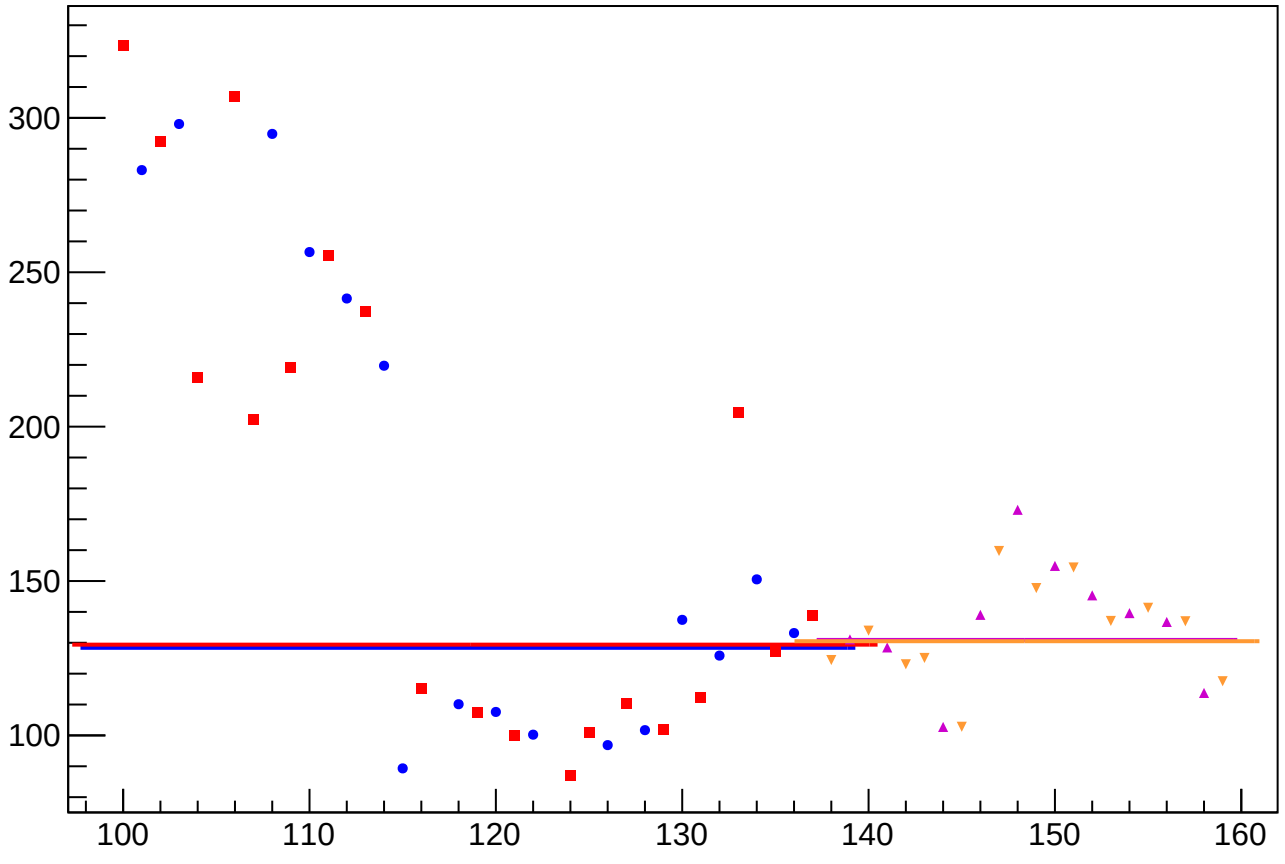
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.052+/-0.045 χ^2/NDF:10.9/9

+ sign 0.018+/-0.033 χ^2/NDF: 30.0/27

All: 0.037+/-0.024 χ^2/NDF: 55.7/56

- sign 0.057+/-0.034 χ^2/NDF: 25.0/28



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.510+/-0.030 χ^2/NDF:278479.0/11

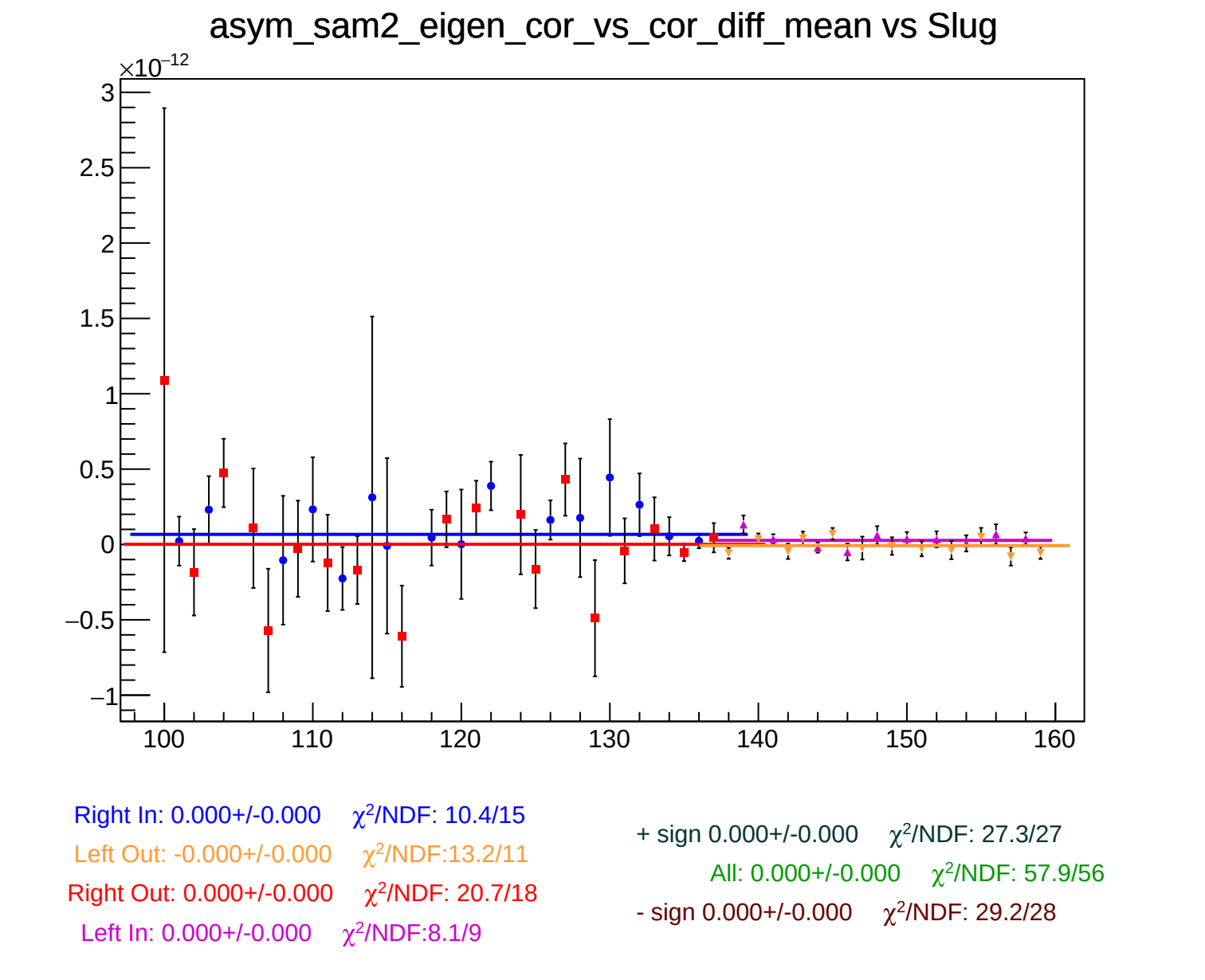
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

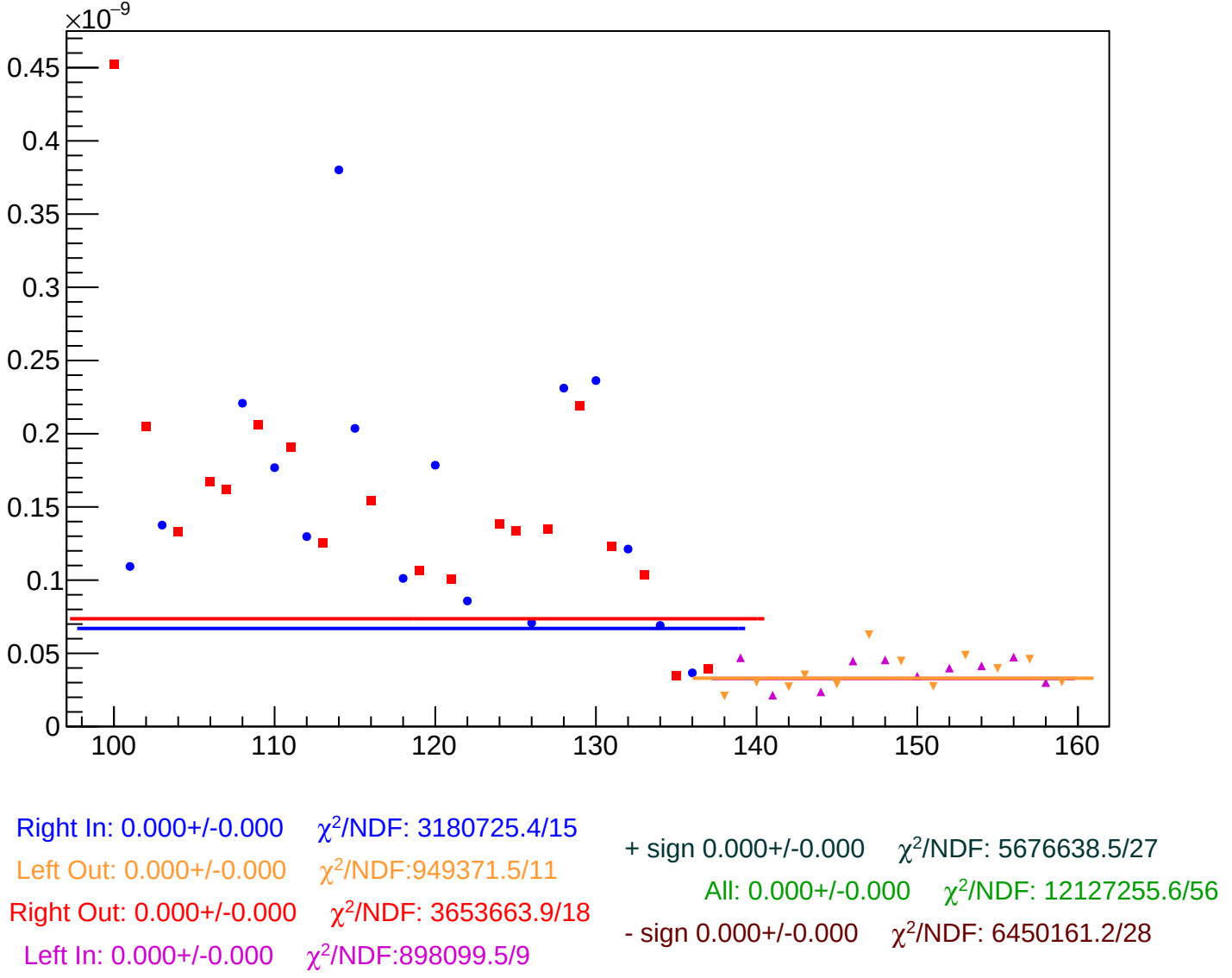
Left In: 130.922+/-0.032 χ^2/NDF:345329.8/9

+ sign 129.645+/-0.023 χ^2/NDF: 2085524.7/27

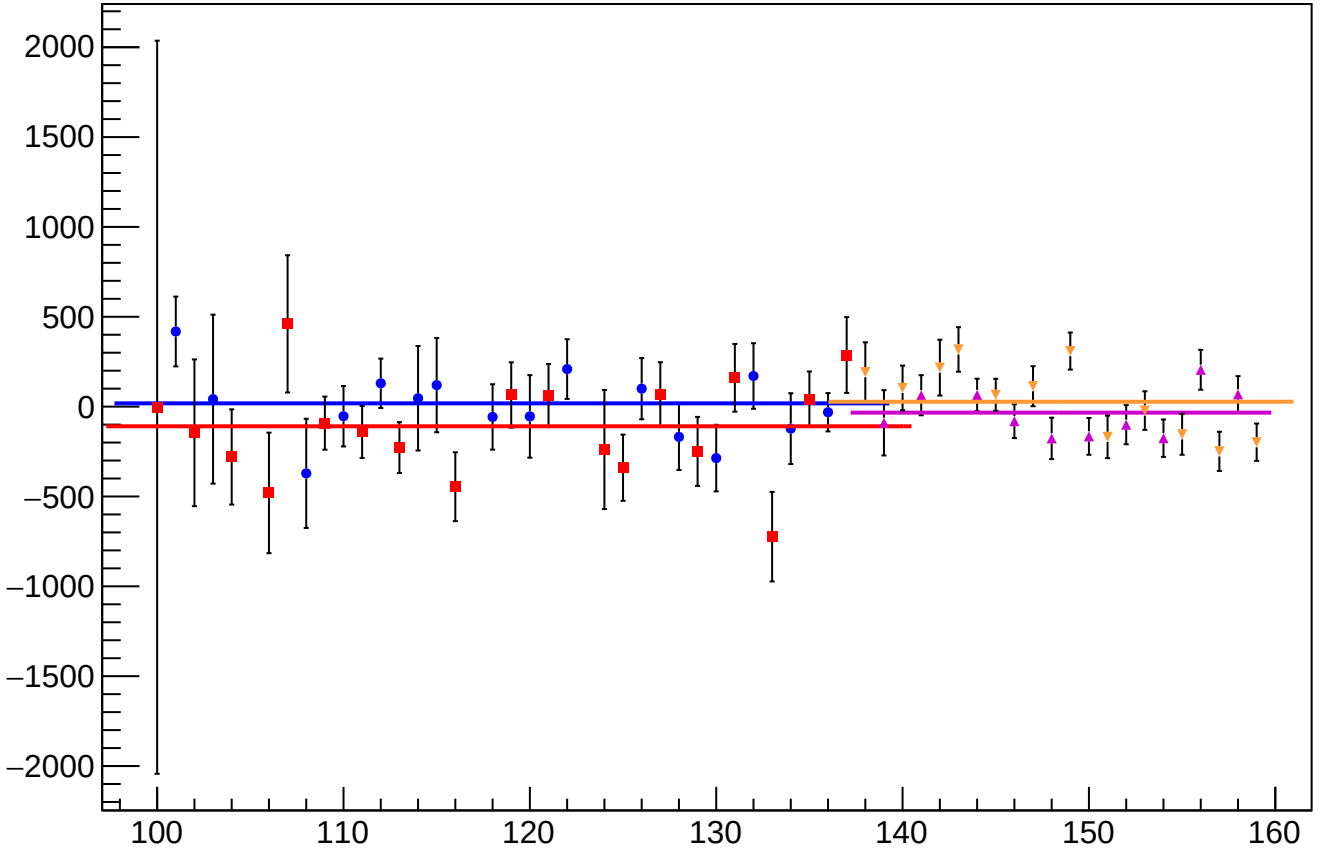
All: 129.940+/-0.017 χ^2/NDF: 4320445.1/56

- sign 130.256+/-0.024 χ^2/NDF: 2234588.2/28


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2.5
2
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 10.4/15
Left Out: -0.000+/-0.000 χ²/NDF:13.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 20.7/18
Left In: 0.000+/-0.000 χ²/NDF:8.1/9
+ sign 0.000+/-0.000 χ²/NDF: 27.3/27
All: 0.000+/-0.000 χ²/NDF: 57.9/56
- sign 0.000+/-0.000 χ²/NDF: 29.2/28


asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3180725.4/15
Left Out: 0.000+/-0.000 χ²/NDF:949371.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 3653663.9/18
Left In: 0.000+/-0.000 χ²/NDF:898099.5/9
+ sign 0.000+/-0.000 χ²/NDF: 5676638.5/27
All: 0.000+/-0.000 χ²/NDF: 12127255.6/56
- sign 0.000+/-0.000 χ²/NDF: 6450161.2/28

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

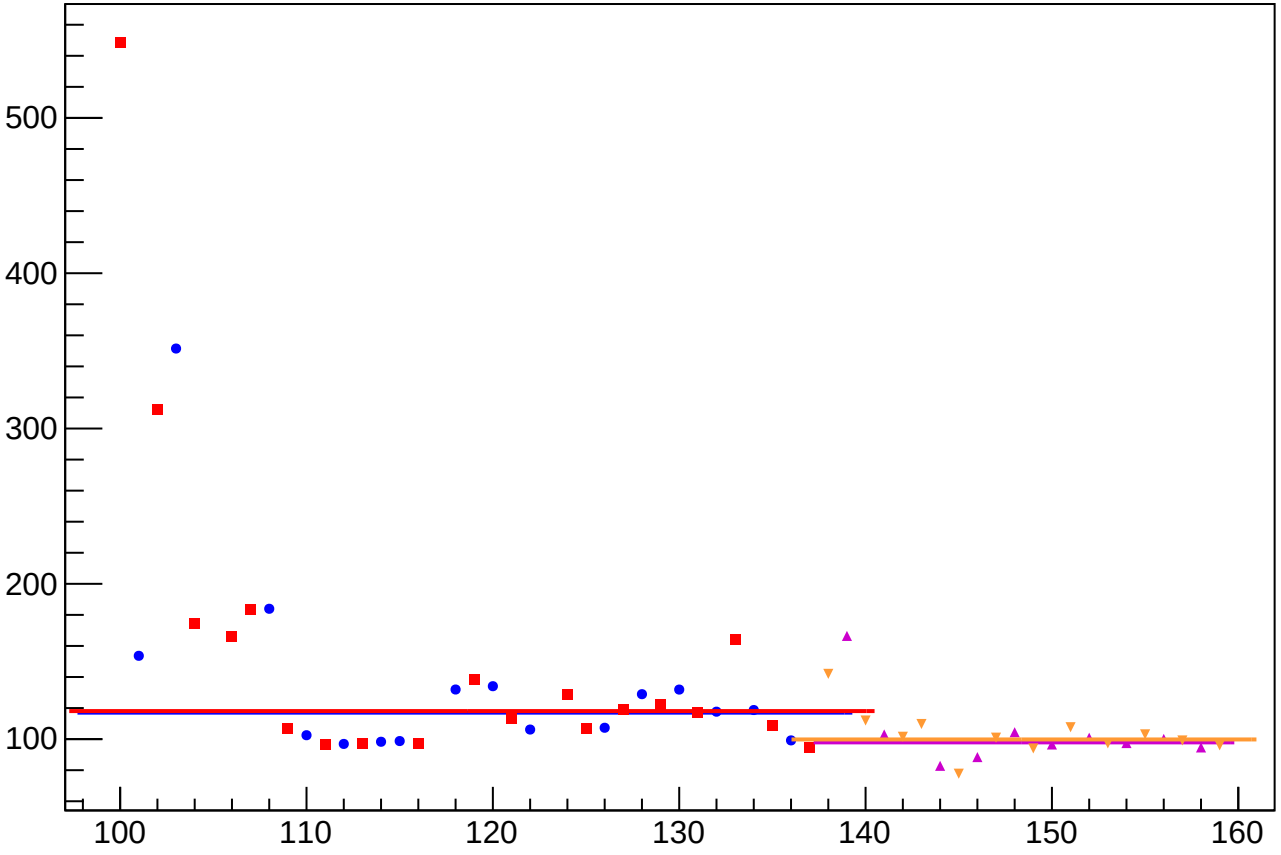
Left In: -33.424+/-33.850 χ^2/NDF:13.4/9

+ sign 24.046+/-26.736 χ^2/NDF: 47.1/27

All: -17.338+/-19.076 χ^2/NDF: 92.6/56

- sign -60.256+/-27.227 χ^2/NDF: 40.6/28

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

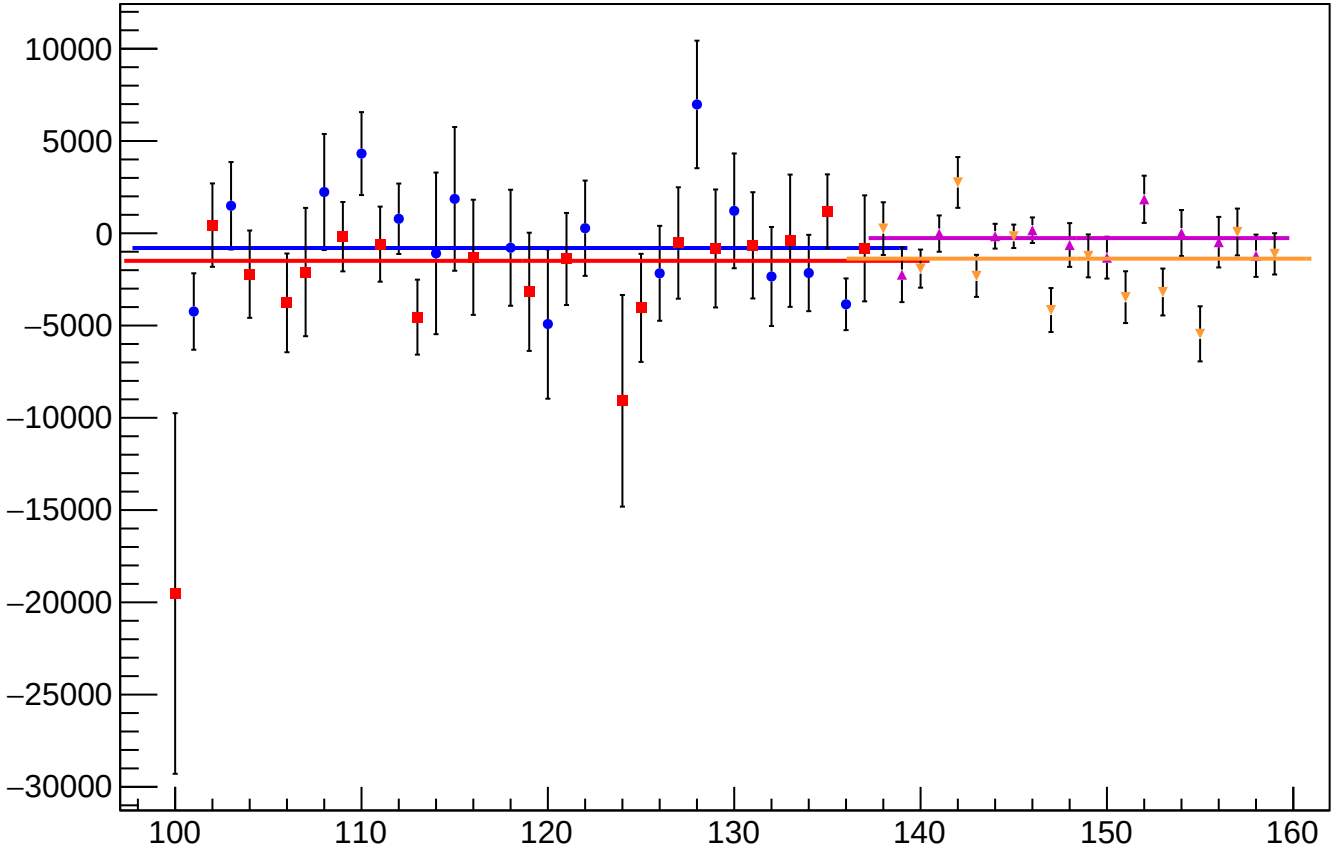
Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

+ sign 105.700+/-0.019 χ^2/NDF: 1351723.9/27

All: 105.367+/-0.013 χ^2/NDF: 2969555.1/56

- sign 105.022+/-0.019 χ^2/NDF: 1617200.7/28

asym_sam3_reg_correction_mean vs Slug



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

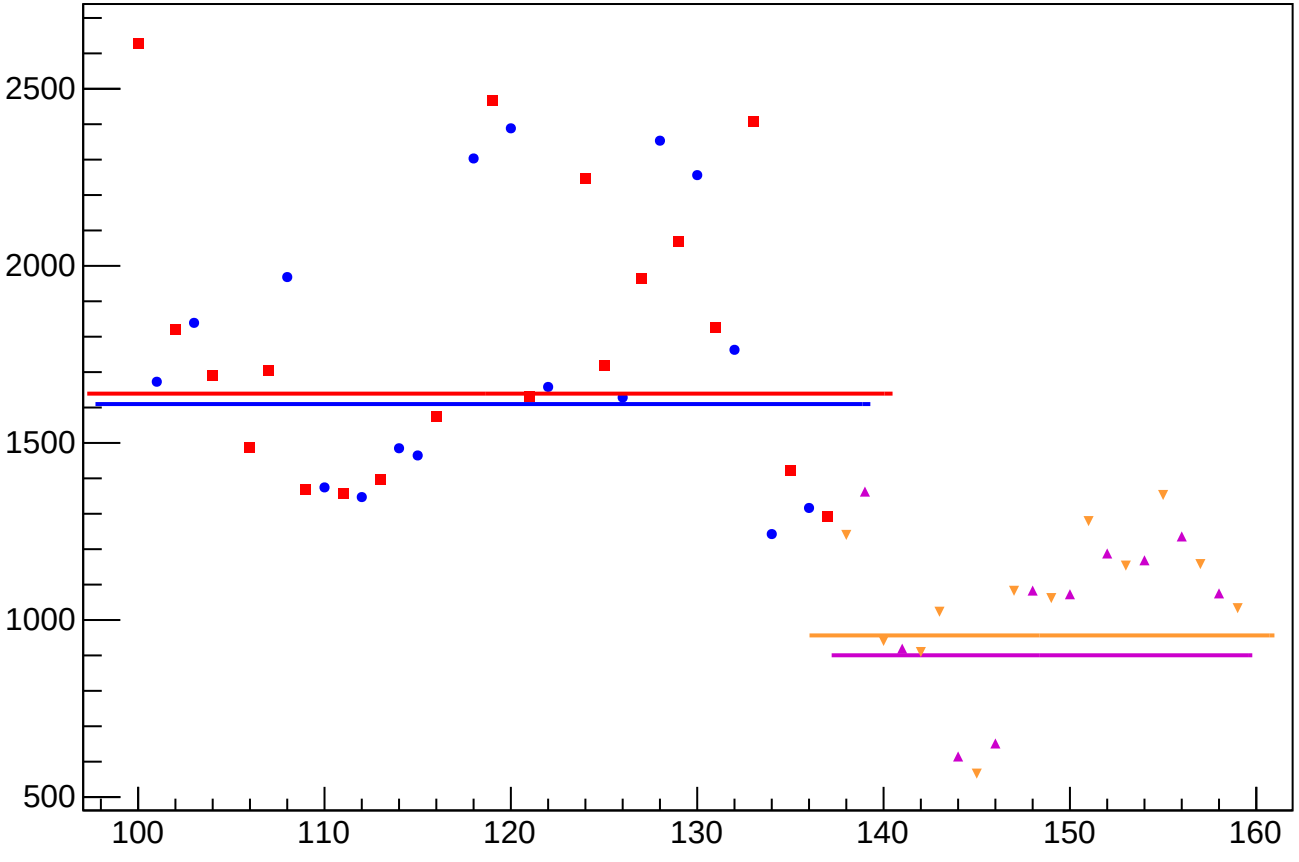
Left In: -262.047+/-319.138 χ^2/NDF:6.7/9

+ sign -1251.589+/-285.388 χ^2/NDF: 57.5/27

All: -885.181+/-200.980 χ^2/NDF: 83.5/56

- sign -524.667+/-283.083 χ^2/NDF: 22.8/28

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

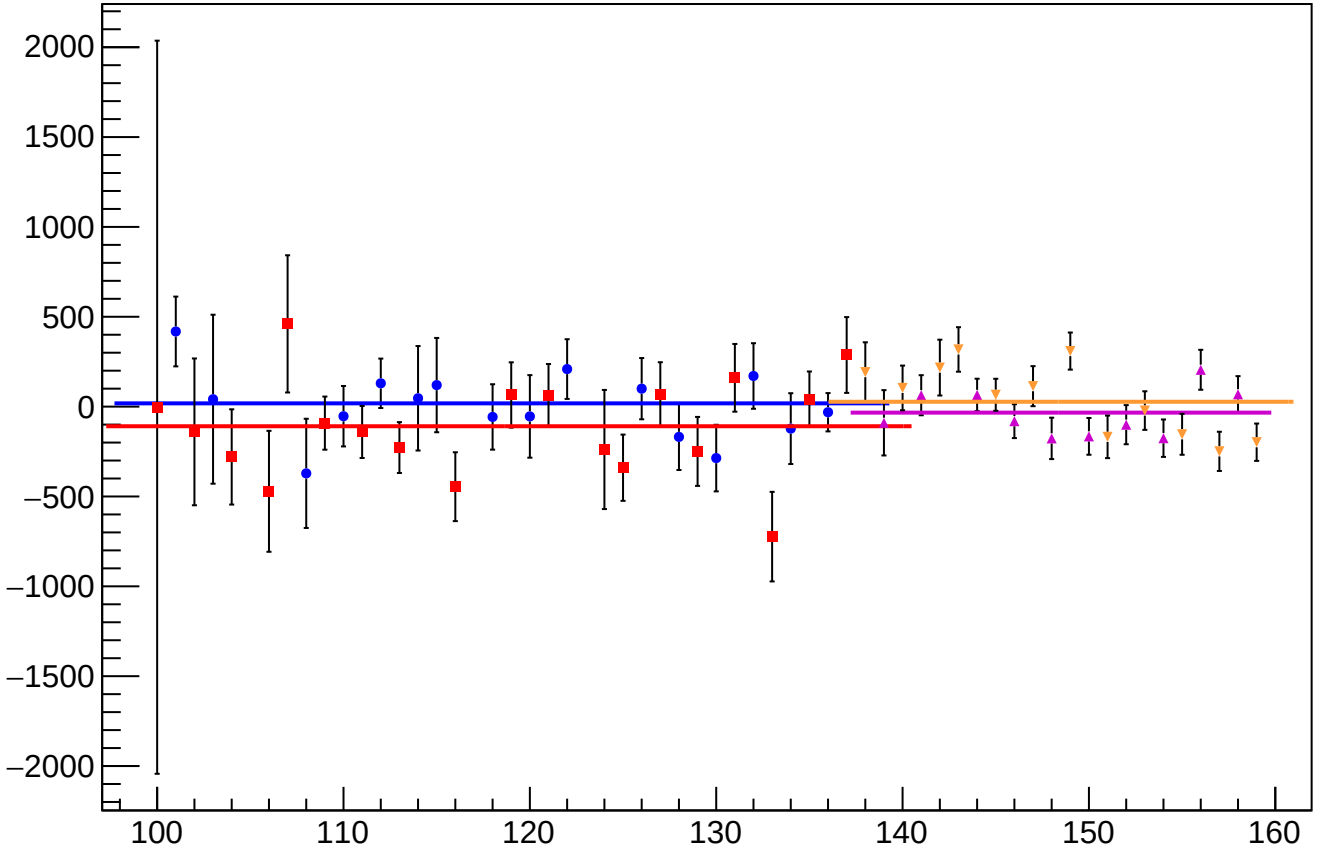
Left In: 900.400+/-0.226 χ^2/NDF:1267639.5/9

+ sign 1096.713+/-0.202 χ^2/NDF: 3622637.8/27

All: 1077.157+/-0.142 χ^2/NDF: 7714387.7/56

- sign 1057.915+/-0.200 χ^2/NDF: 4073117.5/28

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

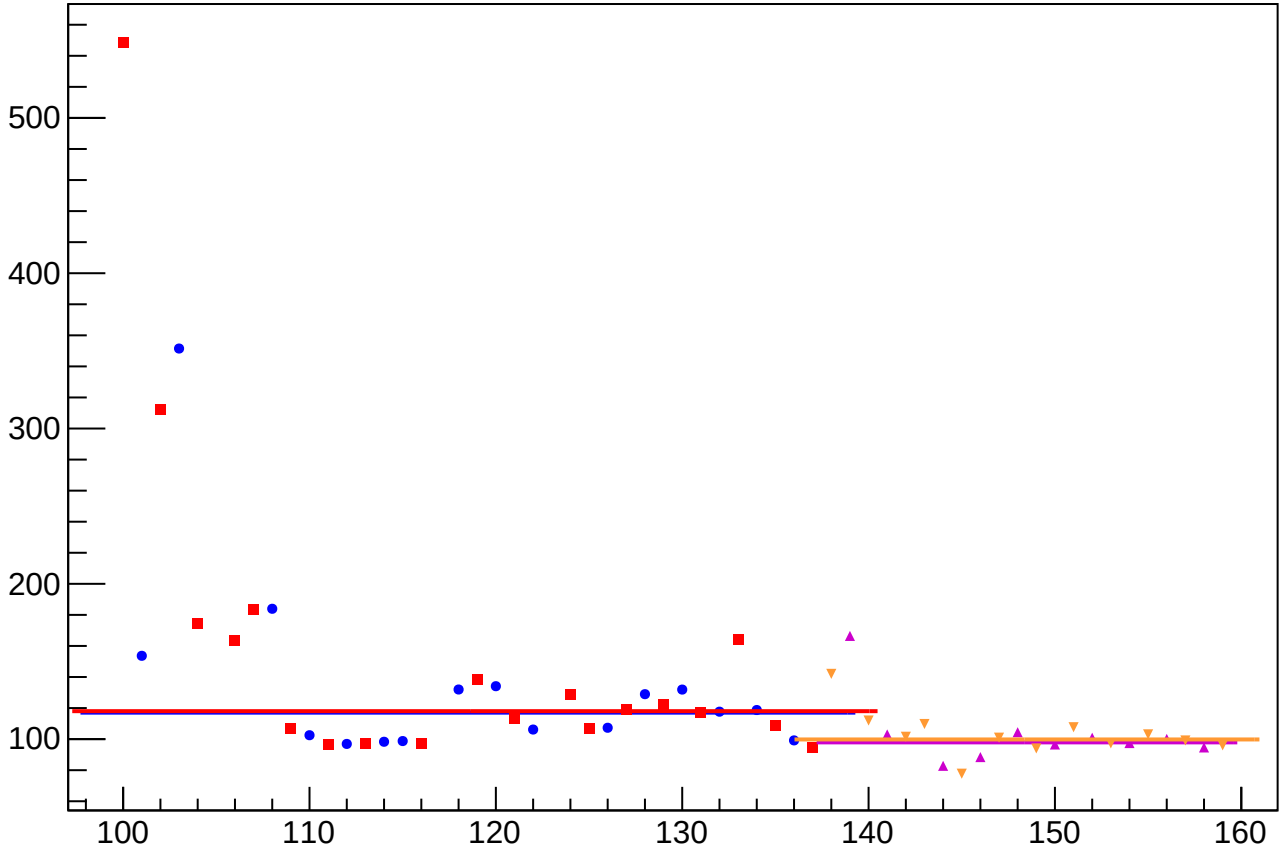
Left In: -33.430+/-33.850 χ^2/NDF:13.4/9

+ sign 24.044+/-26.736 χ^2/NDF: 47.1/27

All: -17.290+/-19.077 χ^2/NDF: 92.5/56

- sign -60.159+/-27.228 χ^2/NDF: 40.6/28

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

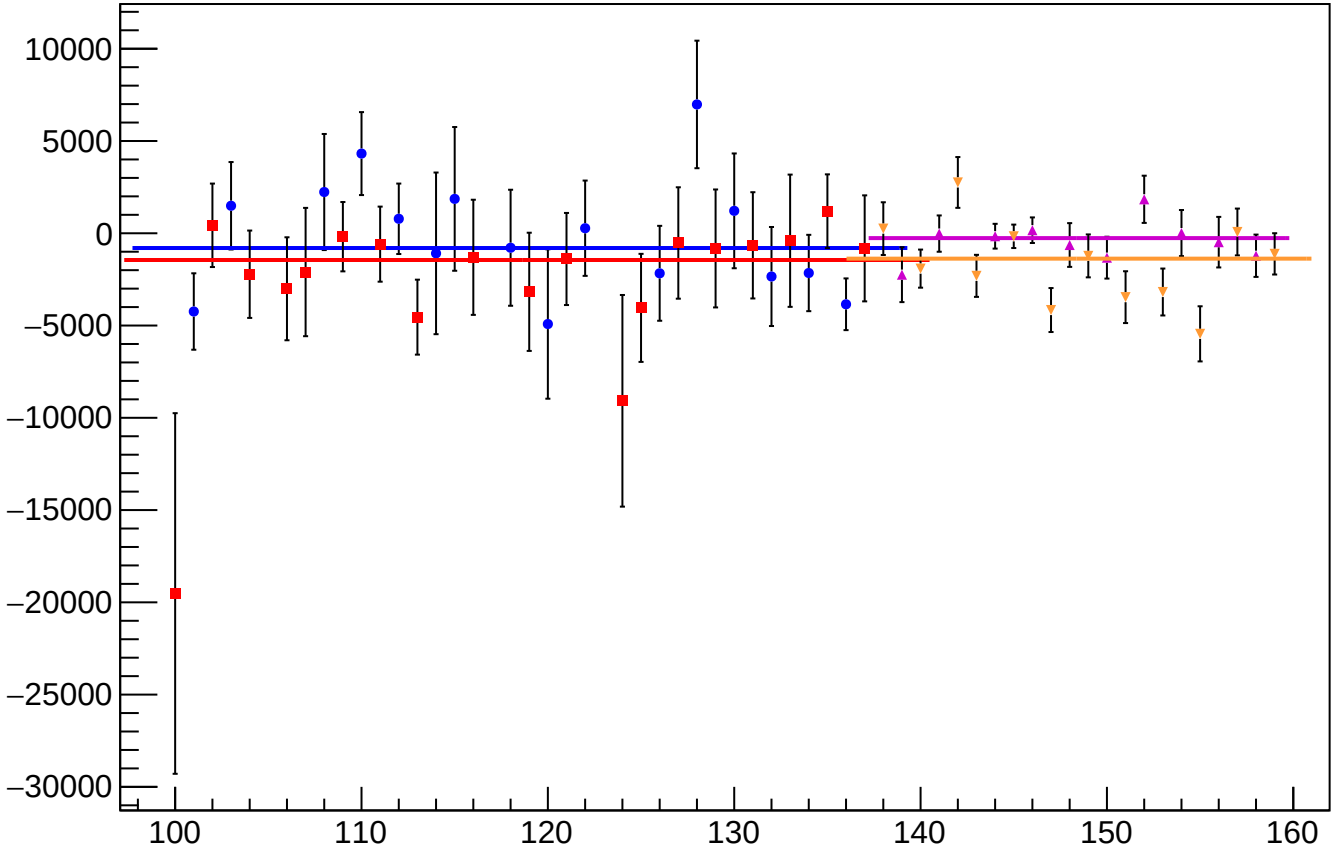
Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

+ sign 105.700+/-0.019 χ^2/NDF: 1351725.8/27

All: 105.358+/-0.013 χ^2/NDF: 2964093.0/56

- sign 105.003+/-0.019 χ^2/NDF: 1611701.1/28

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

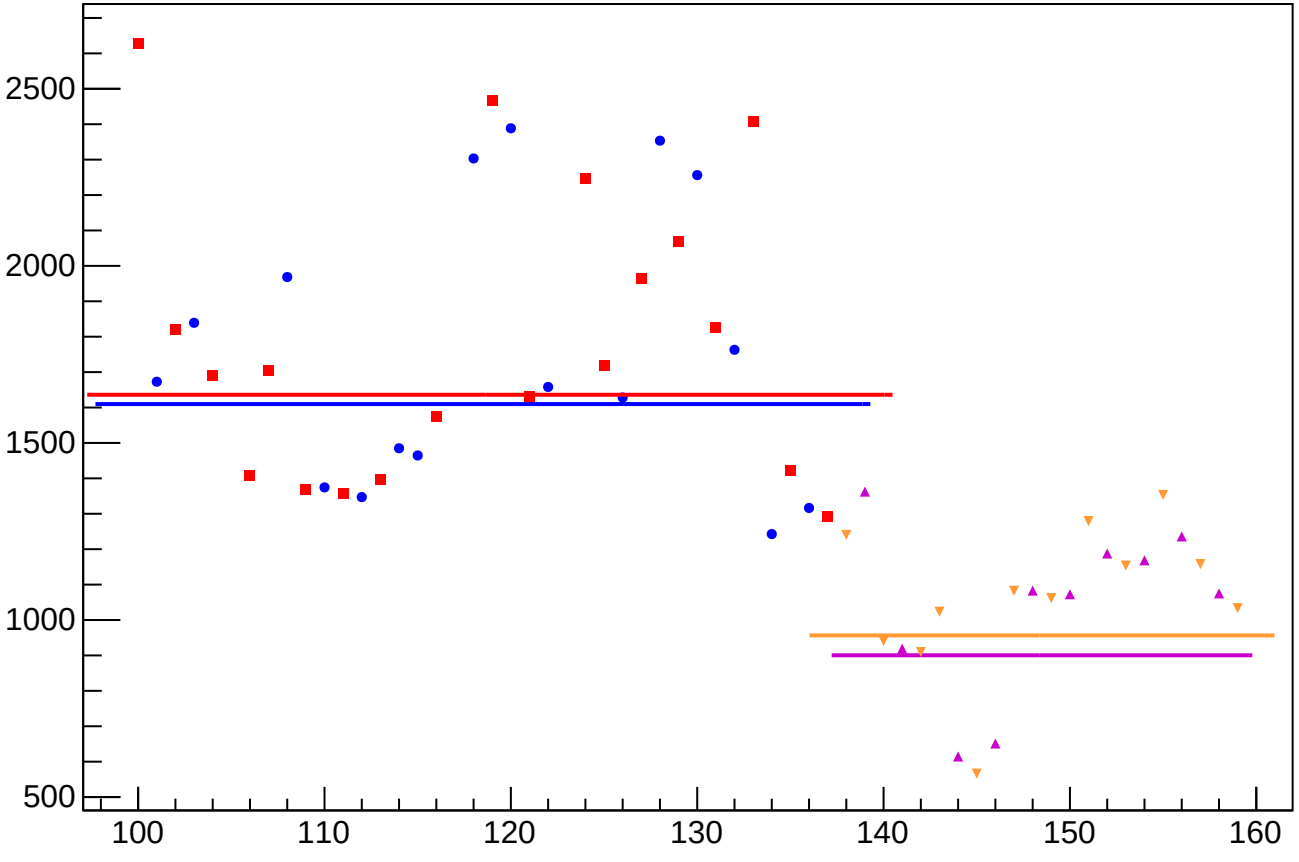
Left In: -262.053+/-319.138 χ^2/NDF:6.7/9

+ sign -1251.582+/-285.388 χ^2/NDF: 57.5/27

All: -880.026+/-201.027 χ^2/NDF: 82.9/56

- sign -514.107+/-283.215 χ^2/NDF: 22.1/28

asym_sam3_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

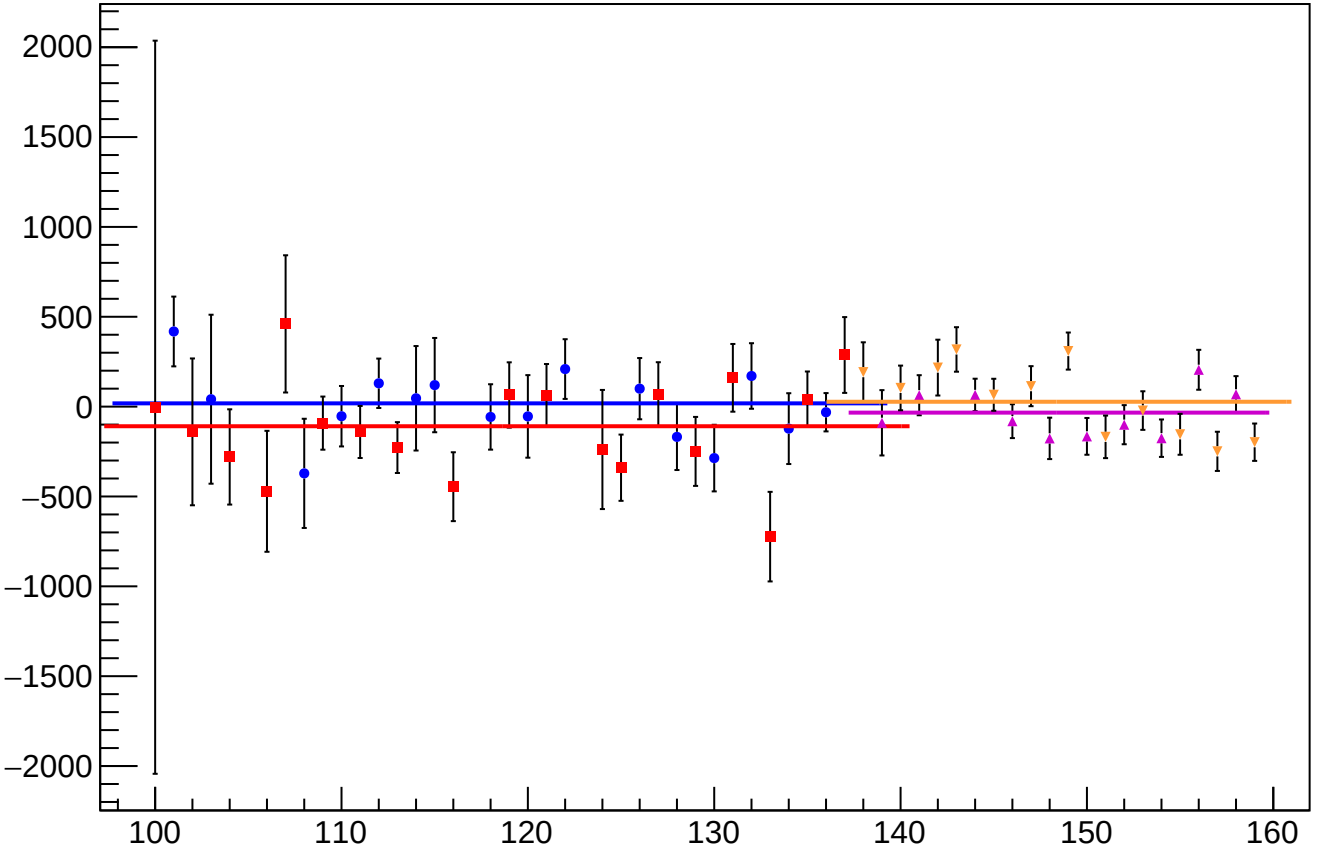
Left In: 900.400+/-0.226 χ^2/NDF:1267641.8/9

+ sign 1096.713+/-0.202 χ^2/NDF: 3622699.9/27

All: 1076.550+/-0.142 χ^2/NDF: 7695733.4/56

- sign 1056.693+/-0.200 χ^2/NDF: 4053218.0/28

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

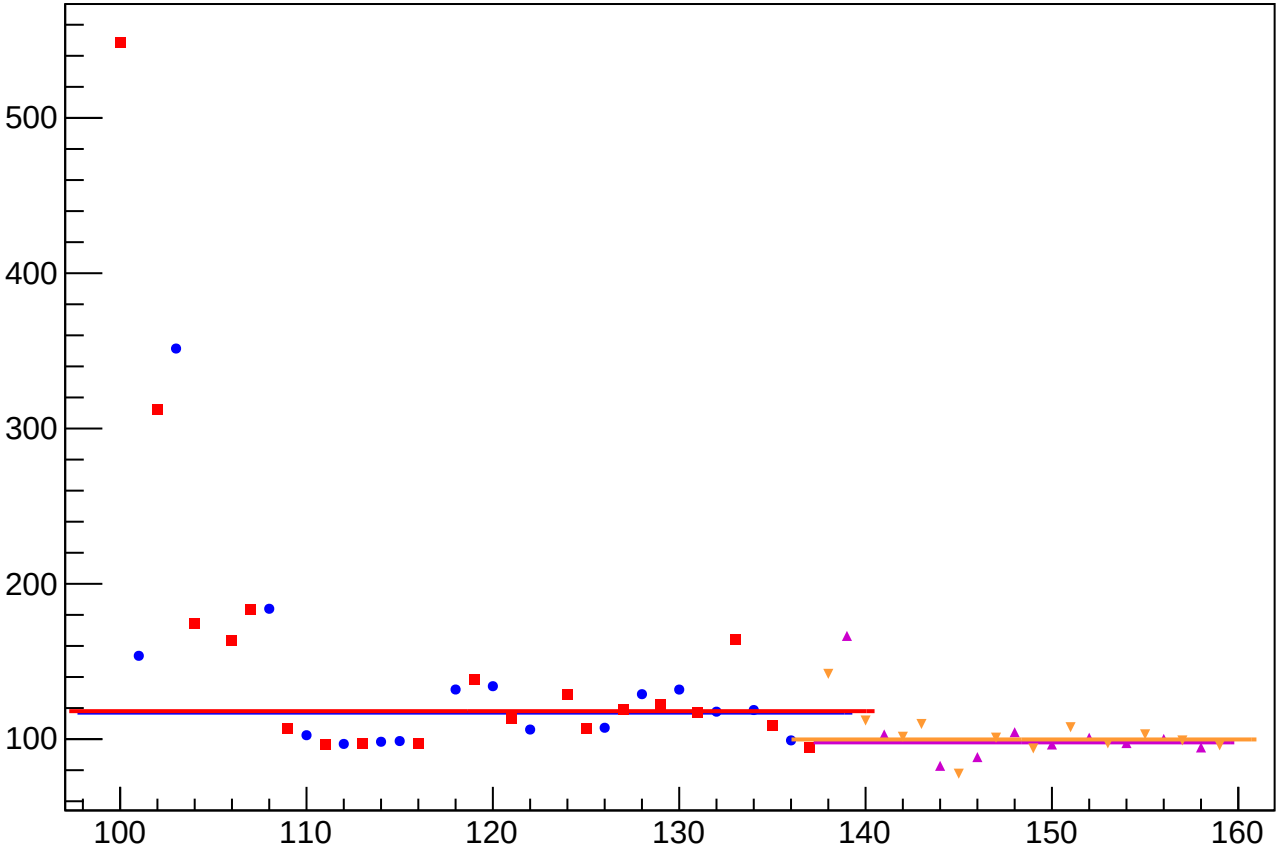
Left In: -33.430+/-33.850 χ^2/NDF:13.4/9

+ sign 24.044+/-26.736 χ^2/NDF: 47.1/27

All: -17.290+/-19.077 χ^2/NDF: 92.5/56

- sign -60.159+/-27.228 χ^2/NDF: 40.6/28

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

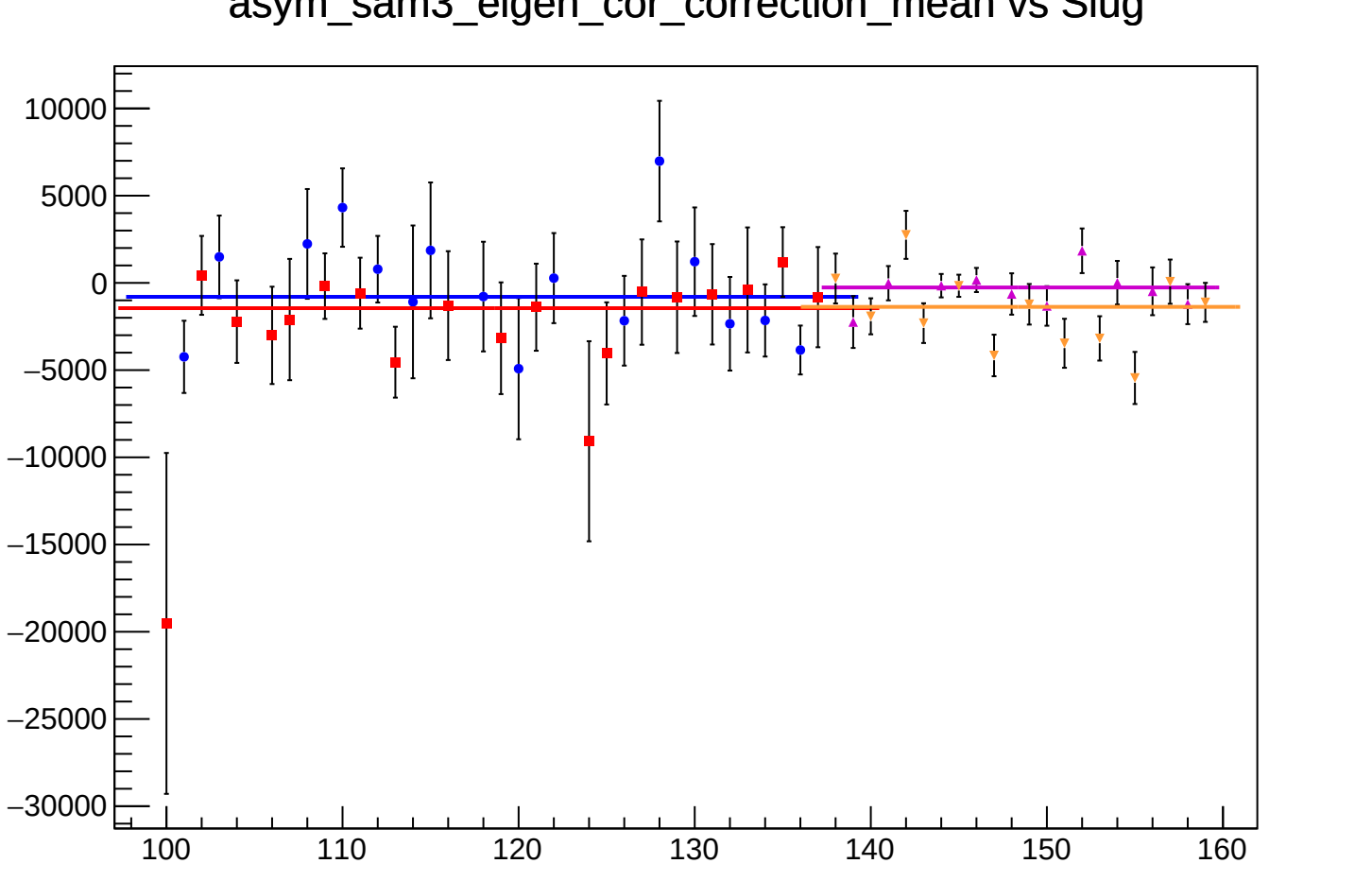
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.910+/-0.024 χ^2/NDF:376315.0/9

+ sign 105.700+/-0.019 χ^2/NDF: 1351725.8/27

All: 105.358+/-0.013 χ^2/NDF: 2964093.0/56

- sign 105.003+/-0.019 χ^2/NDF: 1611701.1/28



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

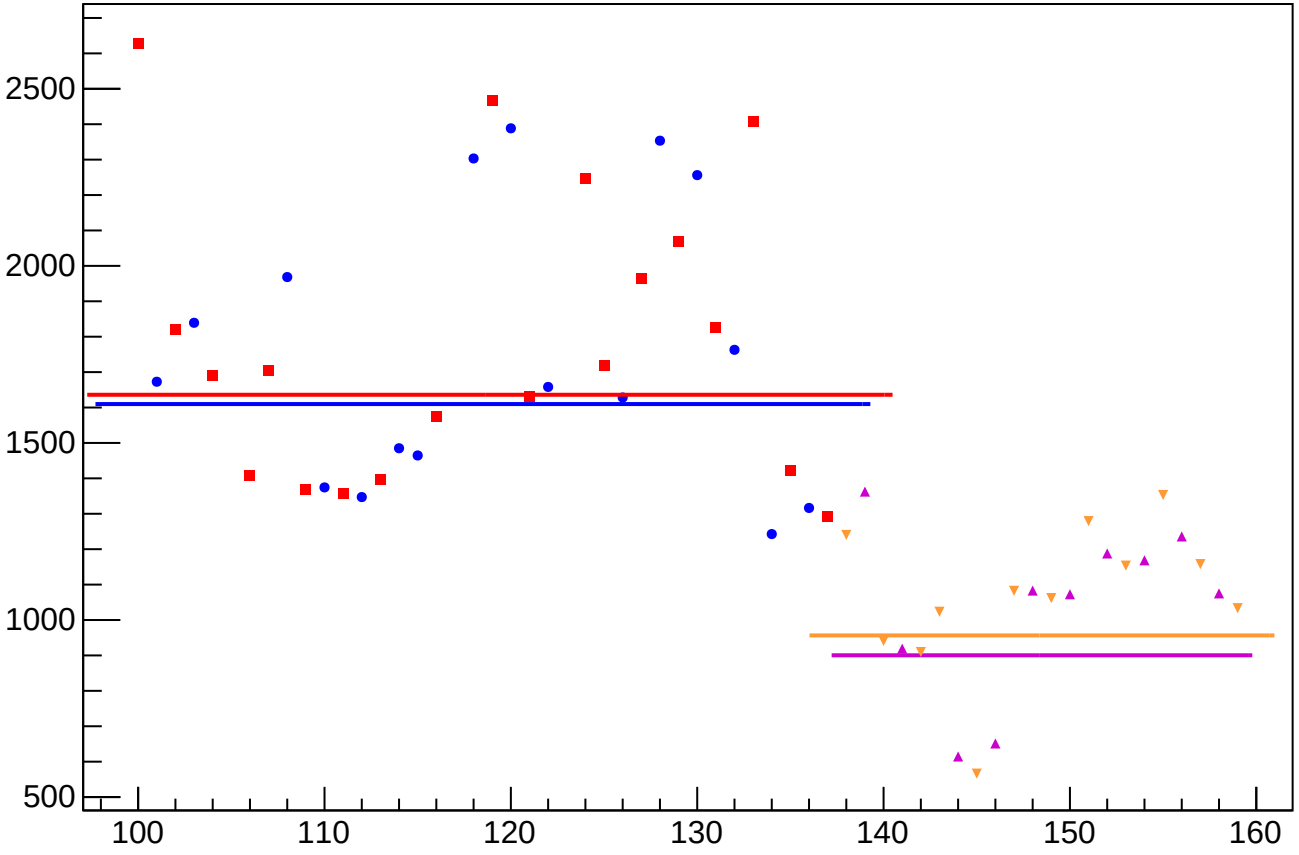
Left In: -262.053+/-319.138 χ^2/NDF:6.7/9

+ sign -1251.582+/-285.388 χ^2/NDF: 57.5/27

All: -880.026+/-201.027 χ^2/NDF: 82.9/56

- sign -514.107+/-283.215 χ^2/NDF: 22.1/28

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

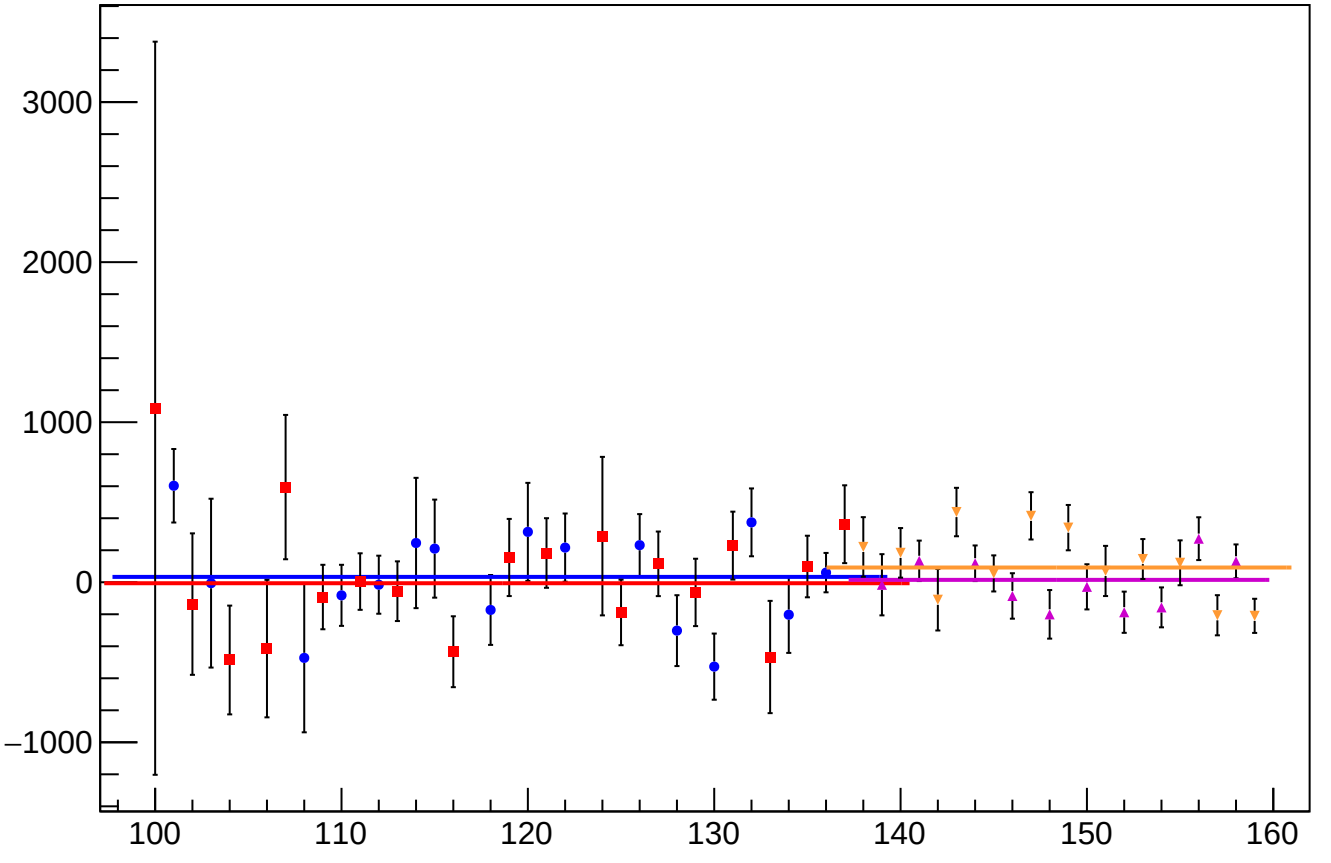
Left In: 900.400+/-0.226 χ^2/NDF:1267641.8/9

+ sign 1096.713+/-0.202 χ^2/NDF: 3622699.9/27

All: 1076.550+/-0.142 χ^2/NDF: 7695733.4/56

- sign 1056.693+/-0.200 χ^2/NDF: 4053218.0/28

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

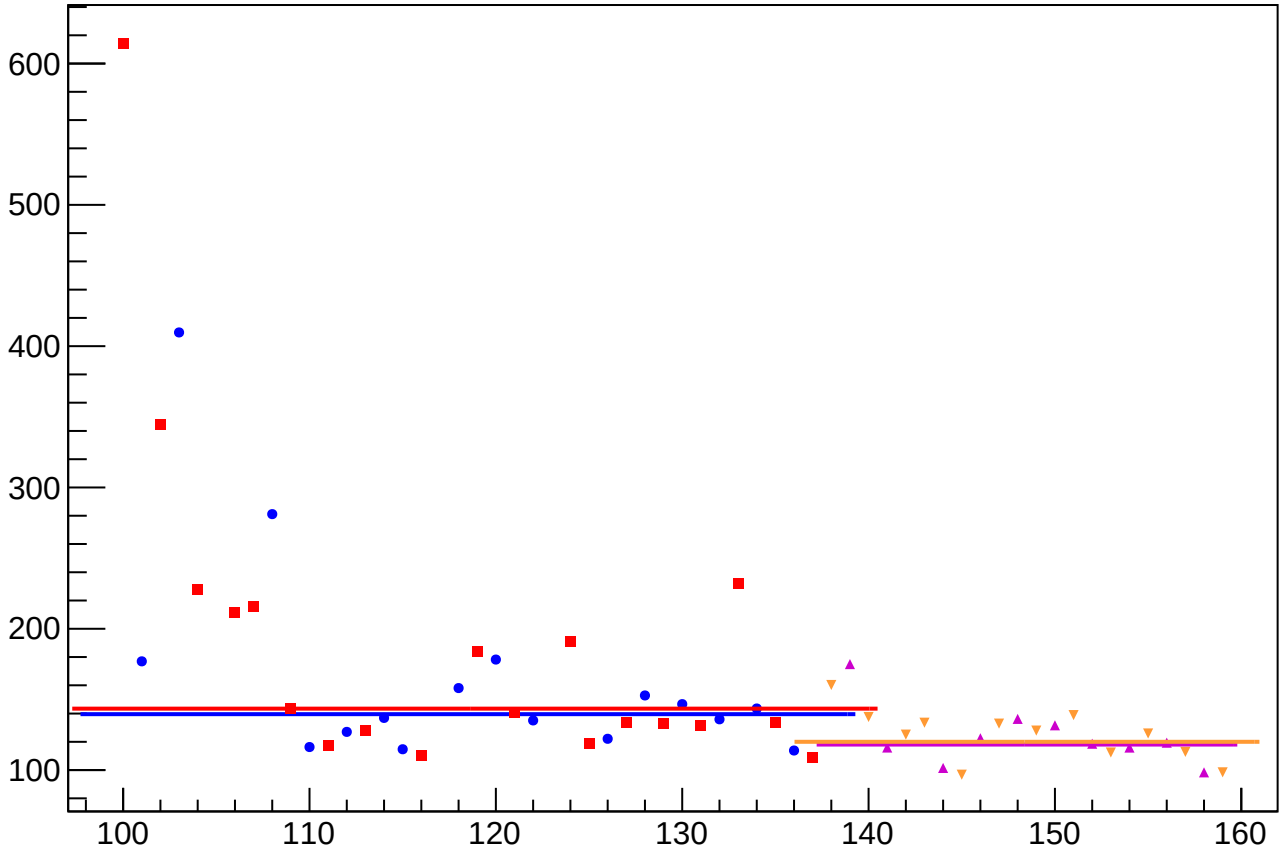
Left In: 14.883+/-41.384 χ^2/NDF:13.7/9

+ sign 71.719+/-32.366 χ^2/NDF: 55.0/27

All: 40.516+/-23.210 χ^2/NDF: 88.0/56

- sign 7.484+/-33.301 χ^2/NDF: 31.1/28

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

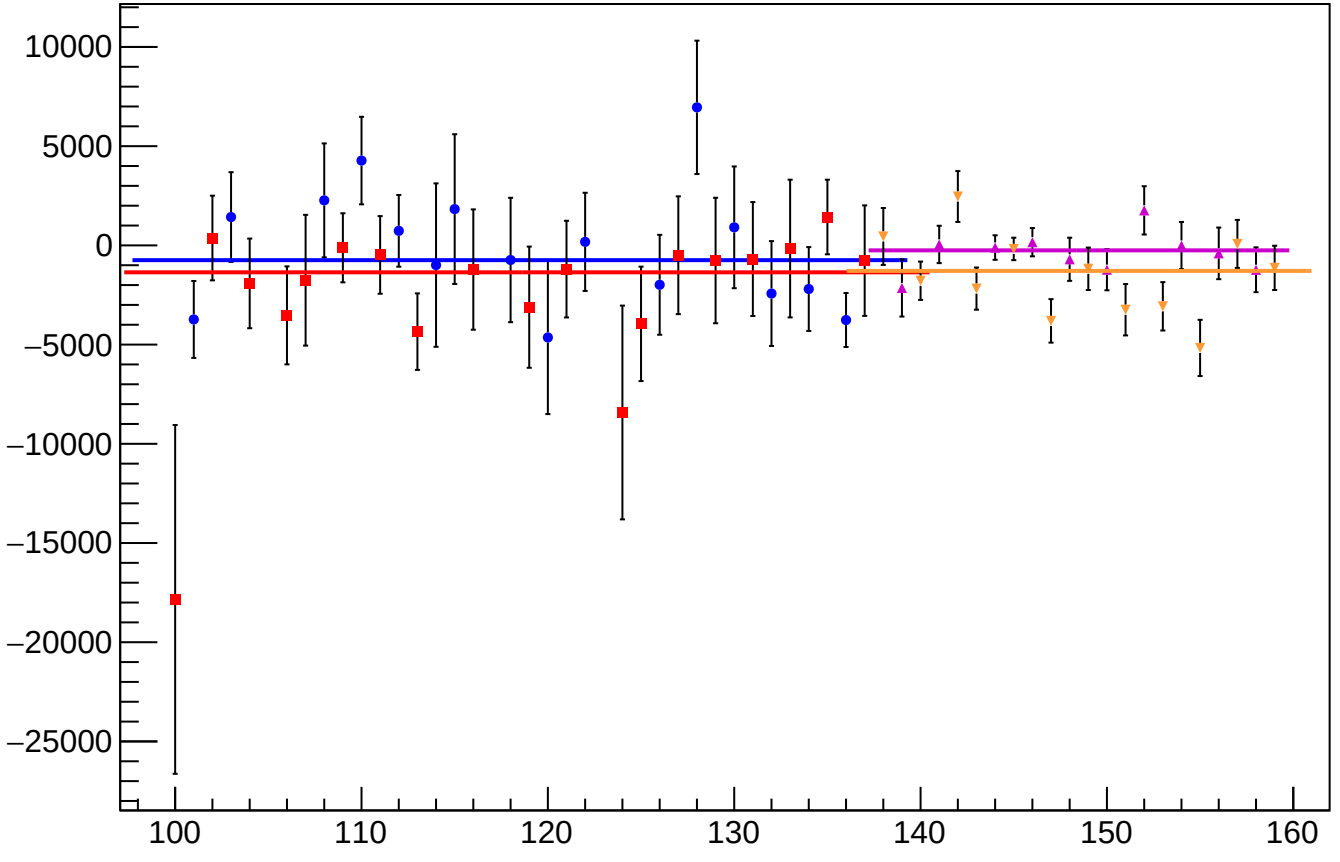
Left In: 118.058+/-0.029 χ^2/NDF:341534.2/9

+ sign 126.808+/-0.023 χ^2/NDF: 1513960.5/27

All: 126.910+/-0.016 χ^2/NDF: 3238227.7/56

- sign 127.018+/-0.024 χ^2/NDF: 1724226.2/28

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

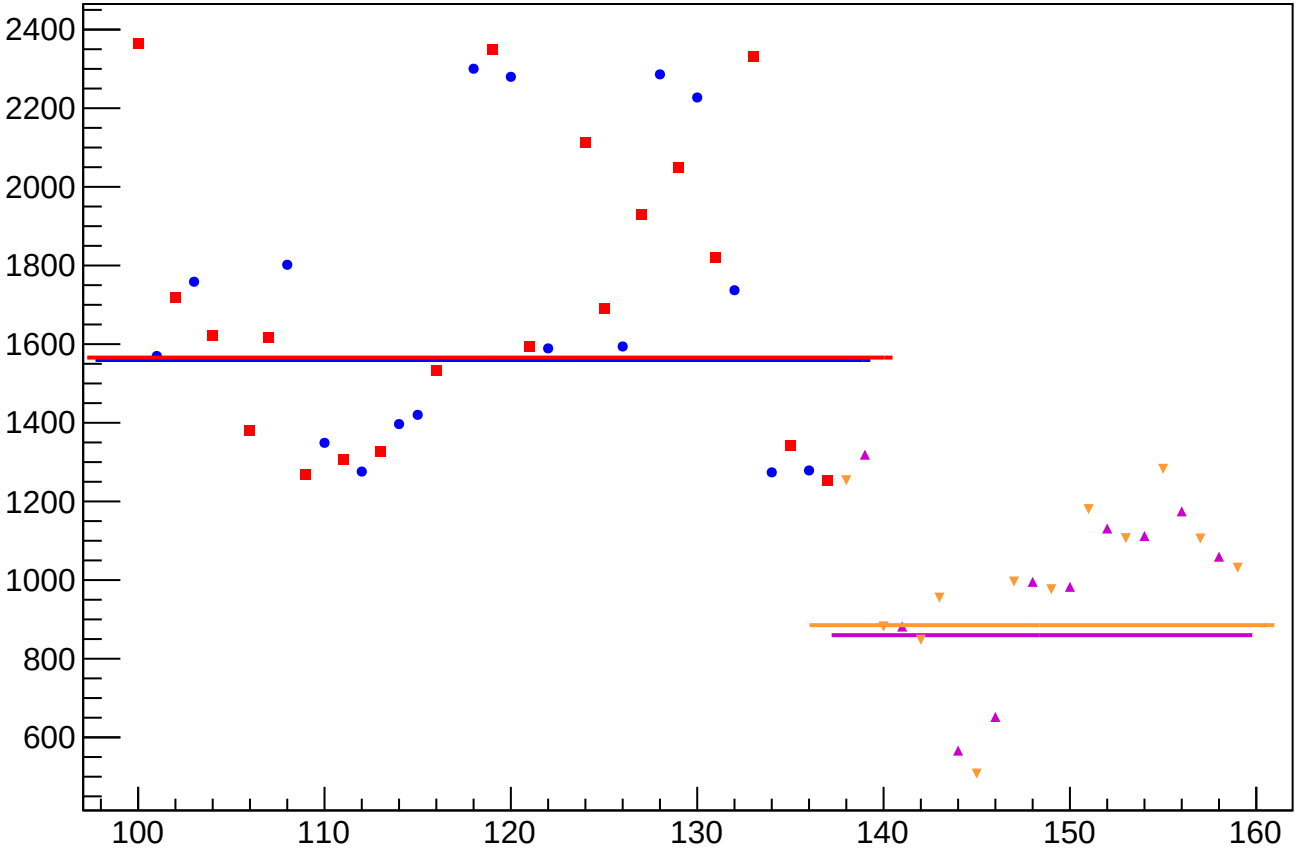
Left In: -250.828+/-305.294 χ^2/NDF:6.8/9

+ sign -1177.003+/-267.698 χ^2/NDF: 57.5/27

All: -836.030+/-190.355 χ^2/NDF: 83.9/56

- sign -487.278+/-270.734 χ^2/NDF: 23.2/28

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

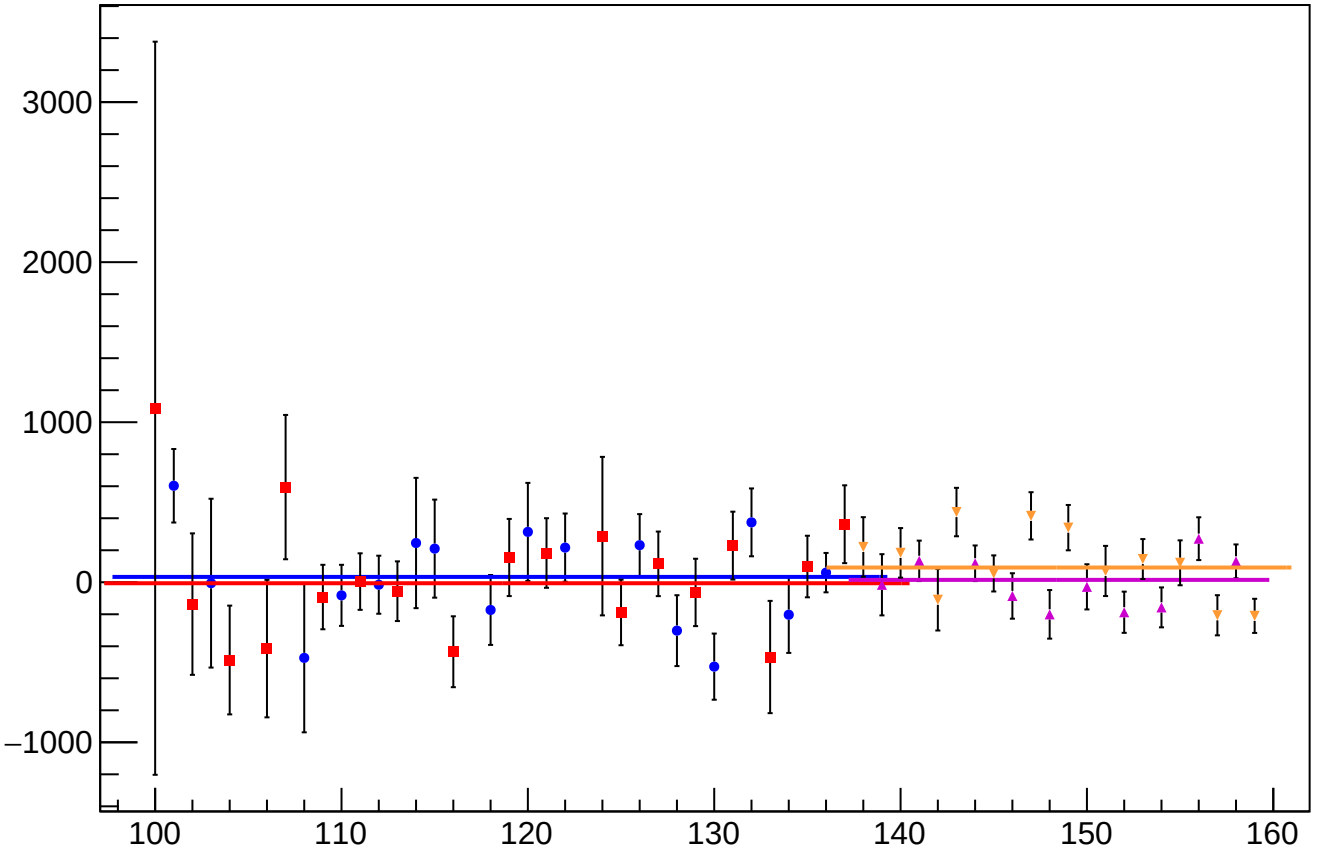
Left In: 859.924+/-0.216 χ^2/NDF:1253628.8/9

+ sign 1021.439+/-0.189 χ^2/NDF: 4144642.0/27

All: 1016.126+/-0.135 χ^2/NDF: 8247401.4/56

- sign 1010.692+/-0.191 χ^2/NDF: 4101165.6/28

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

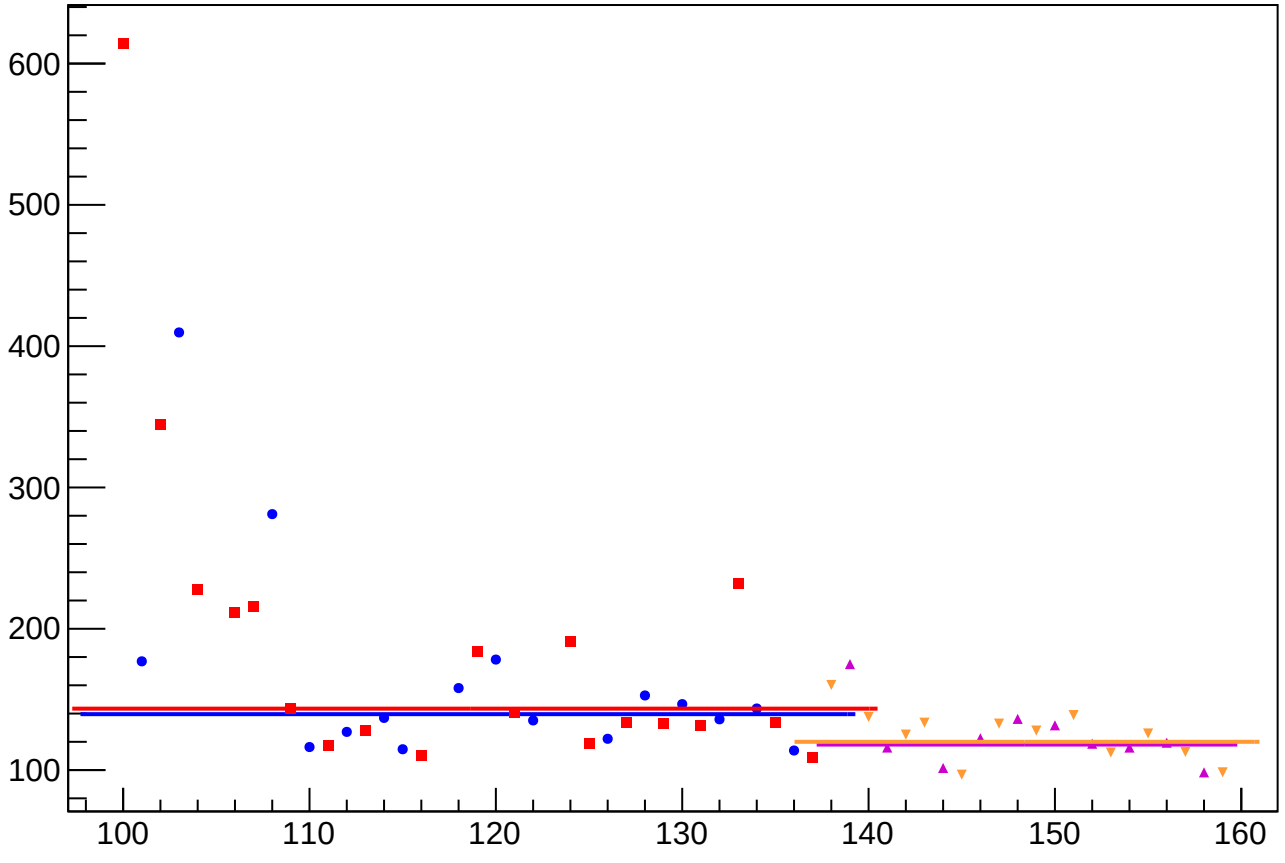
Left In: 14.884+/-41.384 χ^2/NDF:13.7/9

\+ sign 71.720+/-32.366 χ^2/NDF: 55.0/27

All: 40.518+/-23.210 χ^2/NDF: 88.0/56

\- sign 7.487+/-33.301 χ^2/NDF: 31.1/28

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

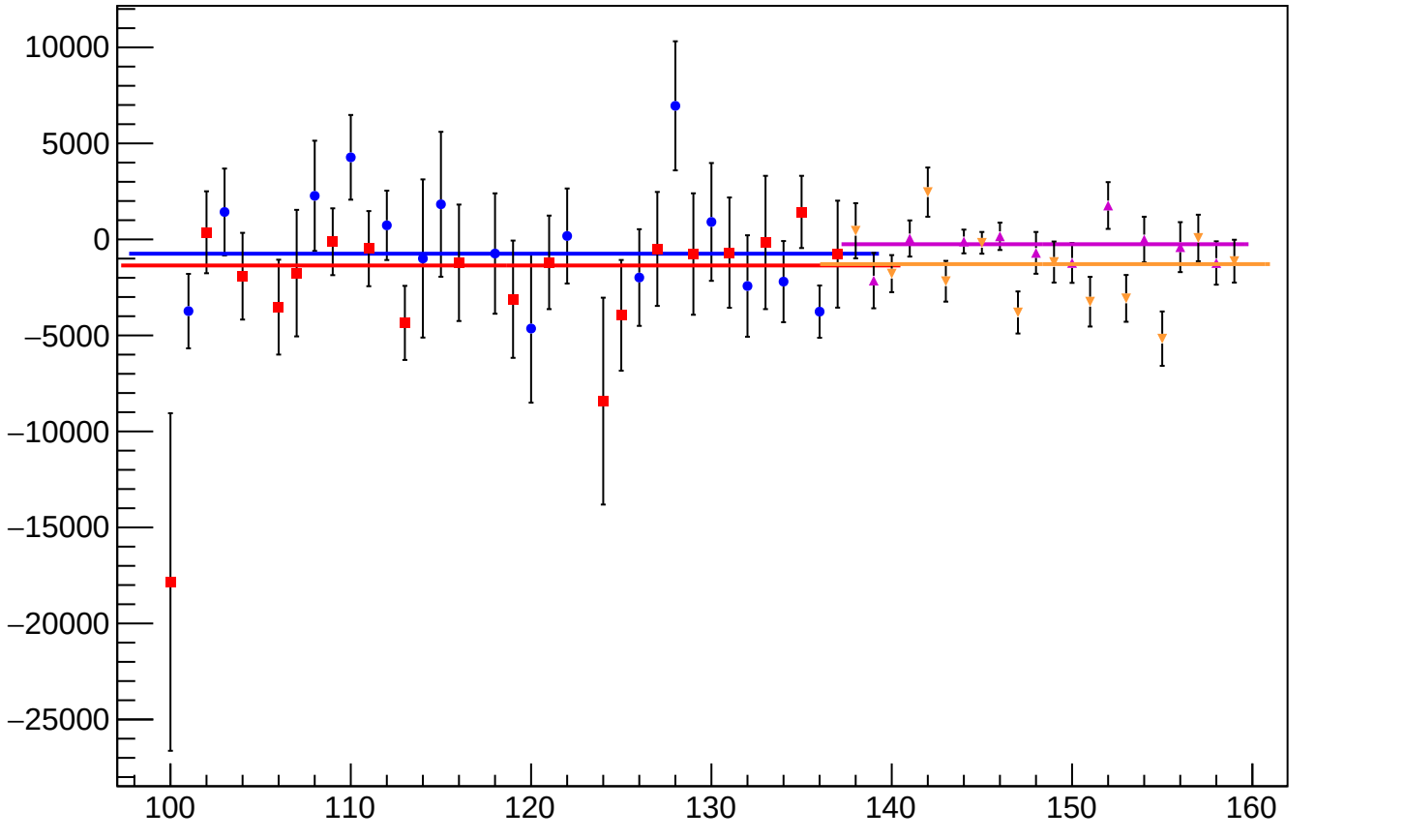
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 118.058+/-0.029 χ^2/NDF:341536.7/9

+ sign 126.809+/-0.023 χ^2/NDF: 1513967.5/27

All: 126.911+/-0.016 χ^2/NDF: 3238239.0/56

- sign 127.019+/-0.024 χ^2/NDF: 1724230.5/28



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

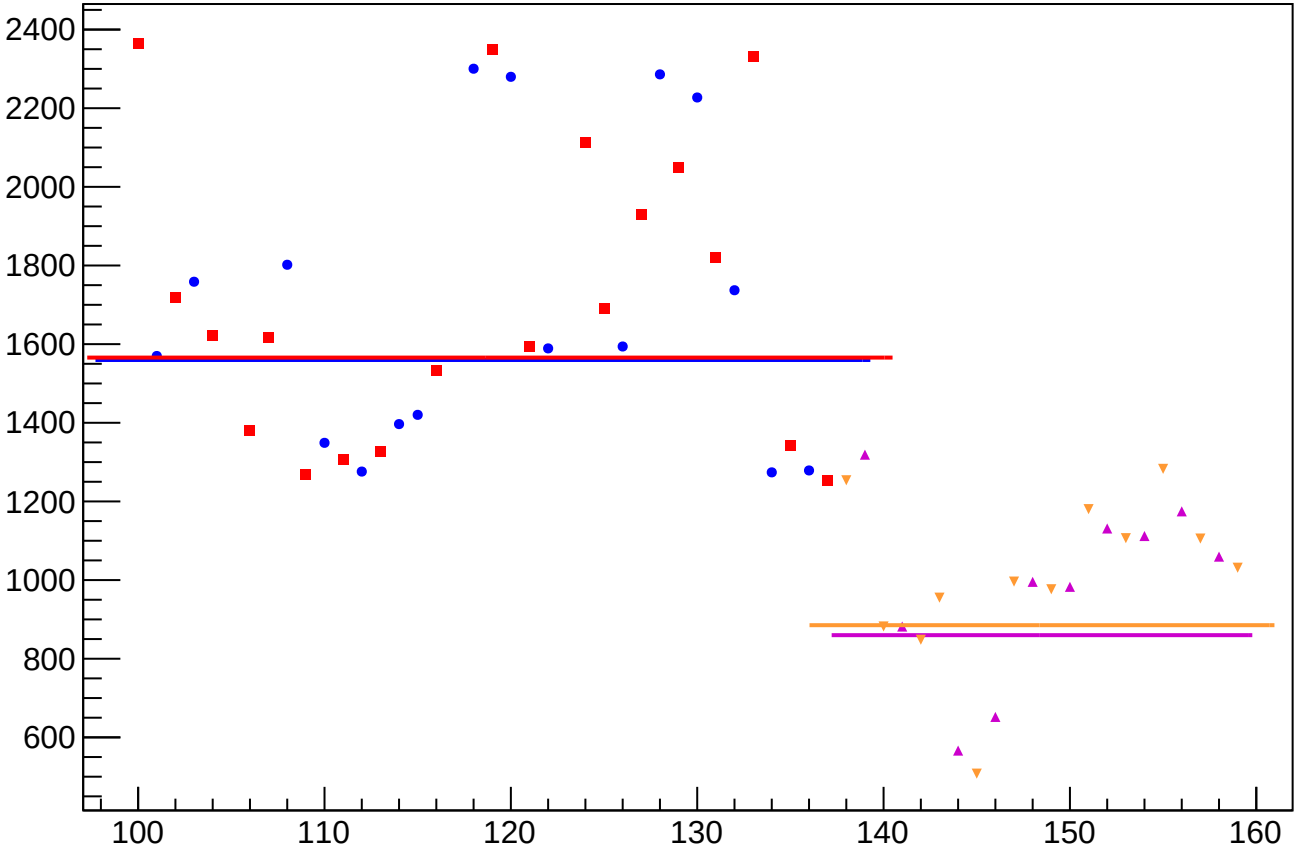
Left In: -250.827+/-305.293 χ^2/NDF:6.8/9

+ sign -1177.004+/-267.698 χ^2/NDF: 57.5/27

All: -836.029+/-190.355 χ^2/NDF: 83.9/56

- sign -487.278+/-270.734 χ^2/NDF: 23.2/28

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

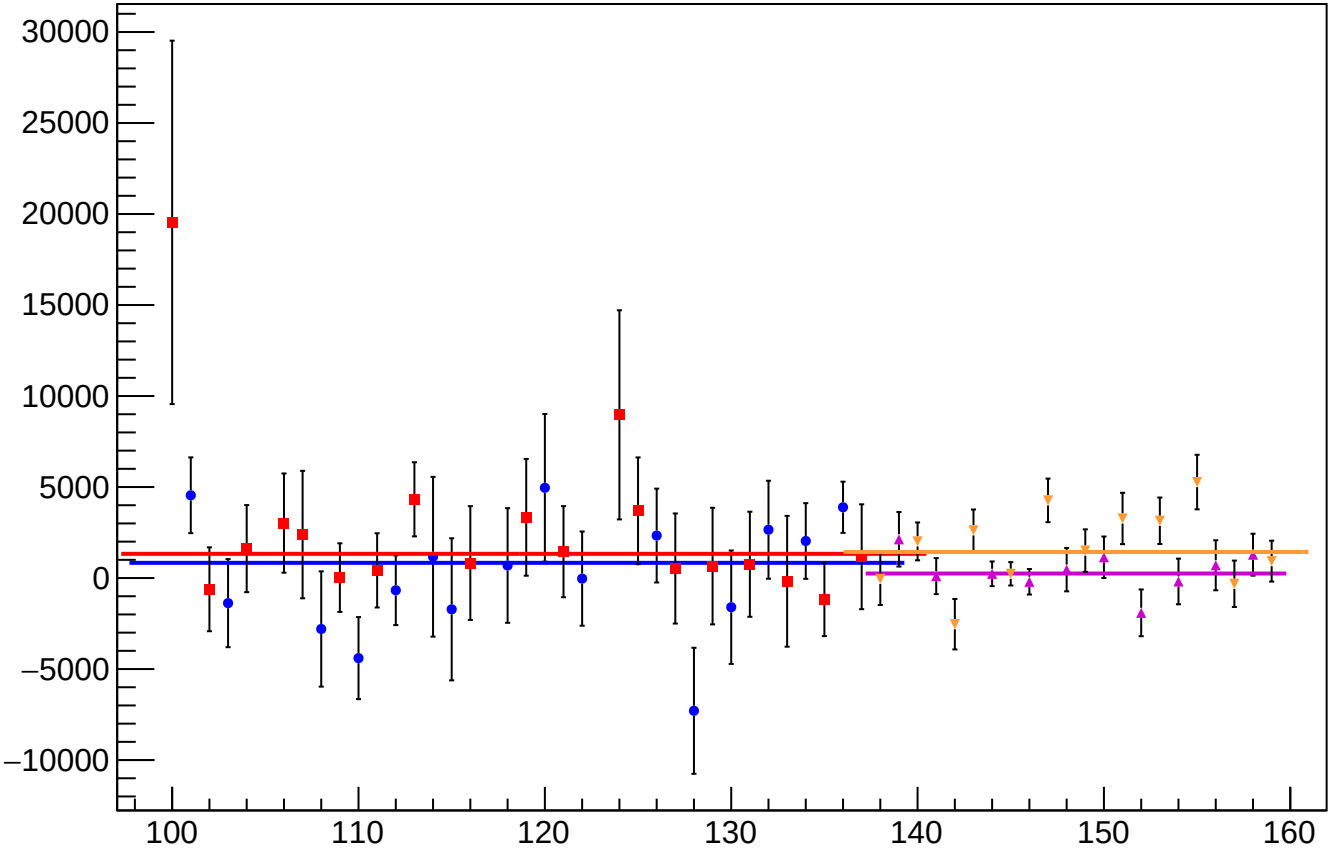
Left In: 859.923+/-0.216 χ^2/NDF:1253626.0/9

+ sign 1021.438+/-0.189 χ^2/NDF: 4144640.3/27

All: 1016.125+/-0.135 χ^2/NDF: 8247393.6/56

- sign 1010.690+/-0.191 χ^2/NDF: 4101159.5/28

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

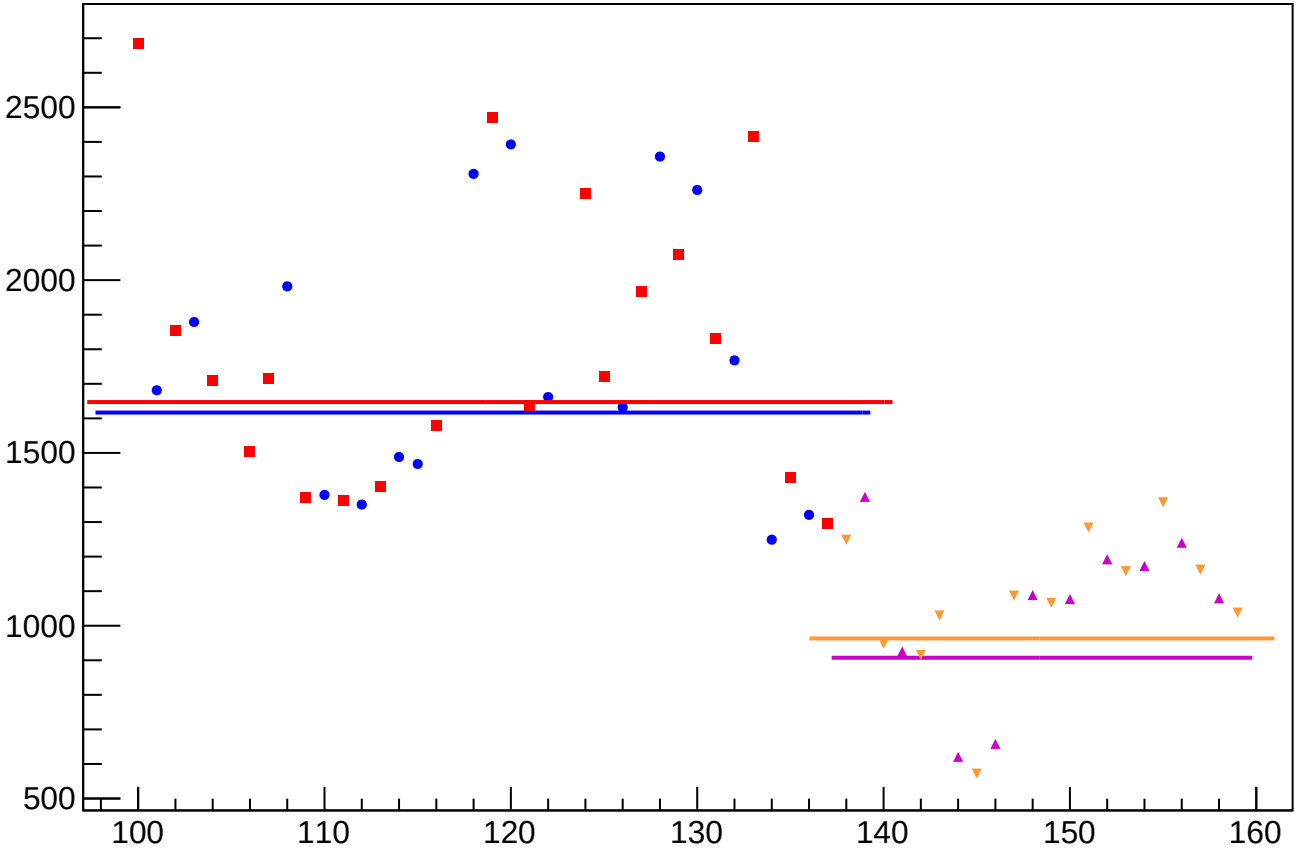
Left In: 248.805+/-321.368 χ^2/NDF:6.5/9

+ sign 1303.401+/-287.104 χ^2/NDF: 57.5/27

All: 888.508+/-202.253 χ^2/NDF: 82.8/56

- sign 479.768+/-284.967 χ^2/NDF: 21.1/28

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

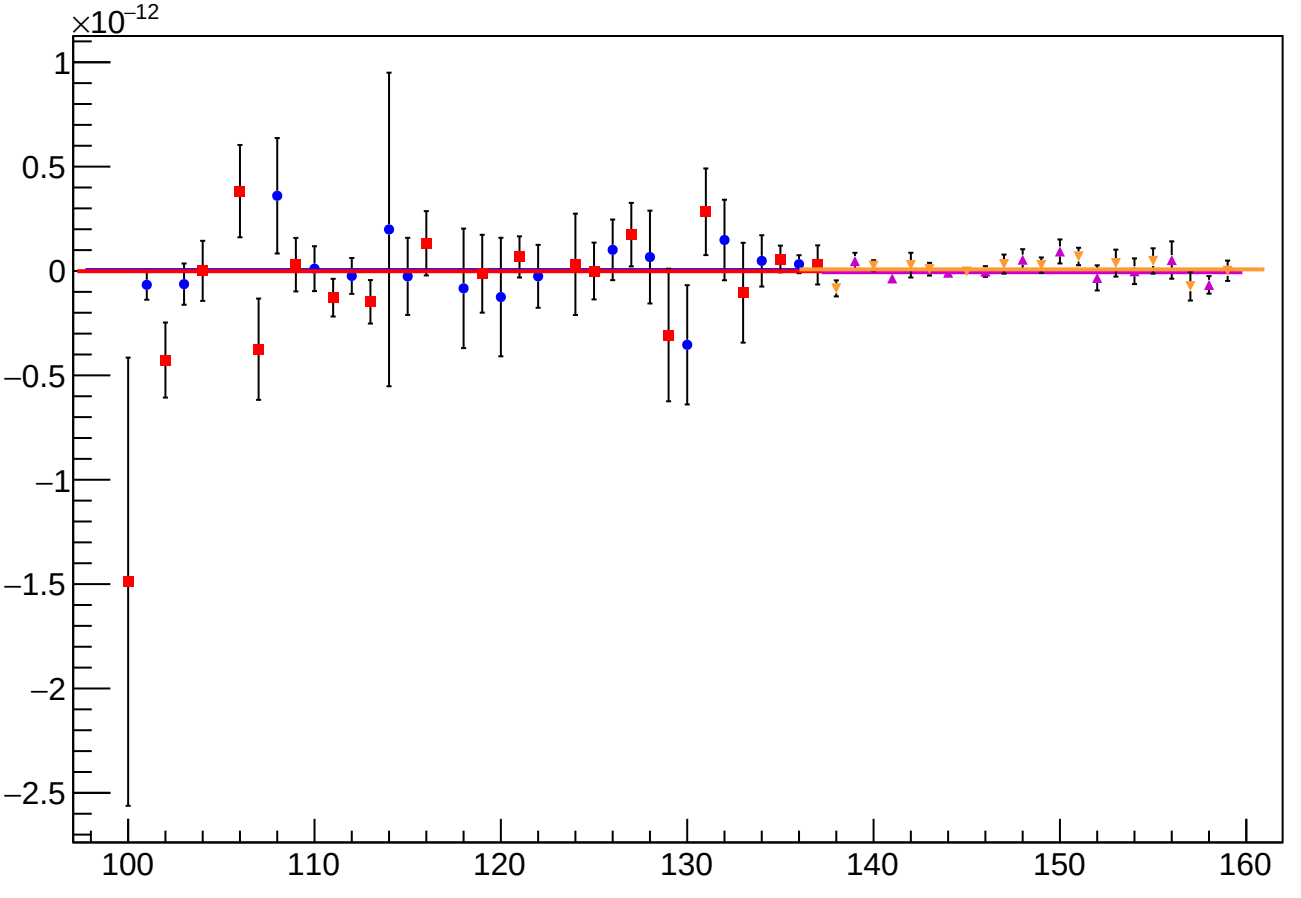
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 907.324+/-0.227 χ^2/NDF:1245836.2/9

+ sign 1103.906+/-0.203 χ^2/NDF: 3587687.9/27

All: 1084.534+/-0.143 χ^2/NDF: 7641137.4/56

- sign 1065.449+/-0.202 χ^2/NDF: 4035373.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/11

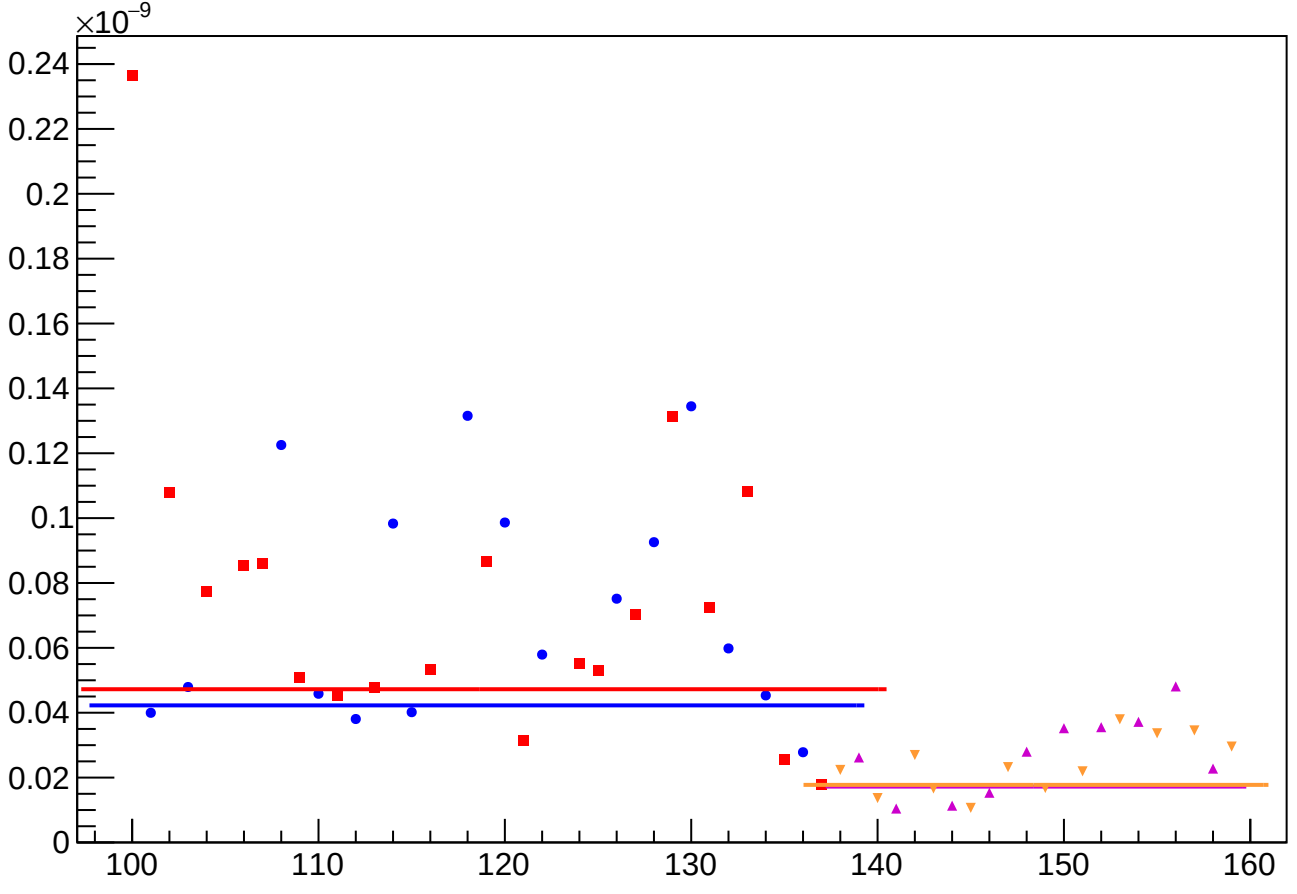
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/27

All: 0.000+/-0.000 χ^2/NDF: 53.0/56

- sign -0.000+/-0.000 χ^2/NDF: 34.0/28



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

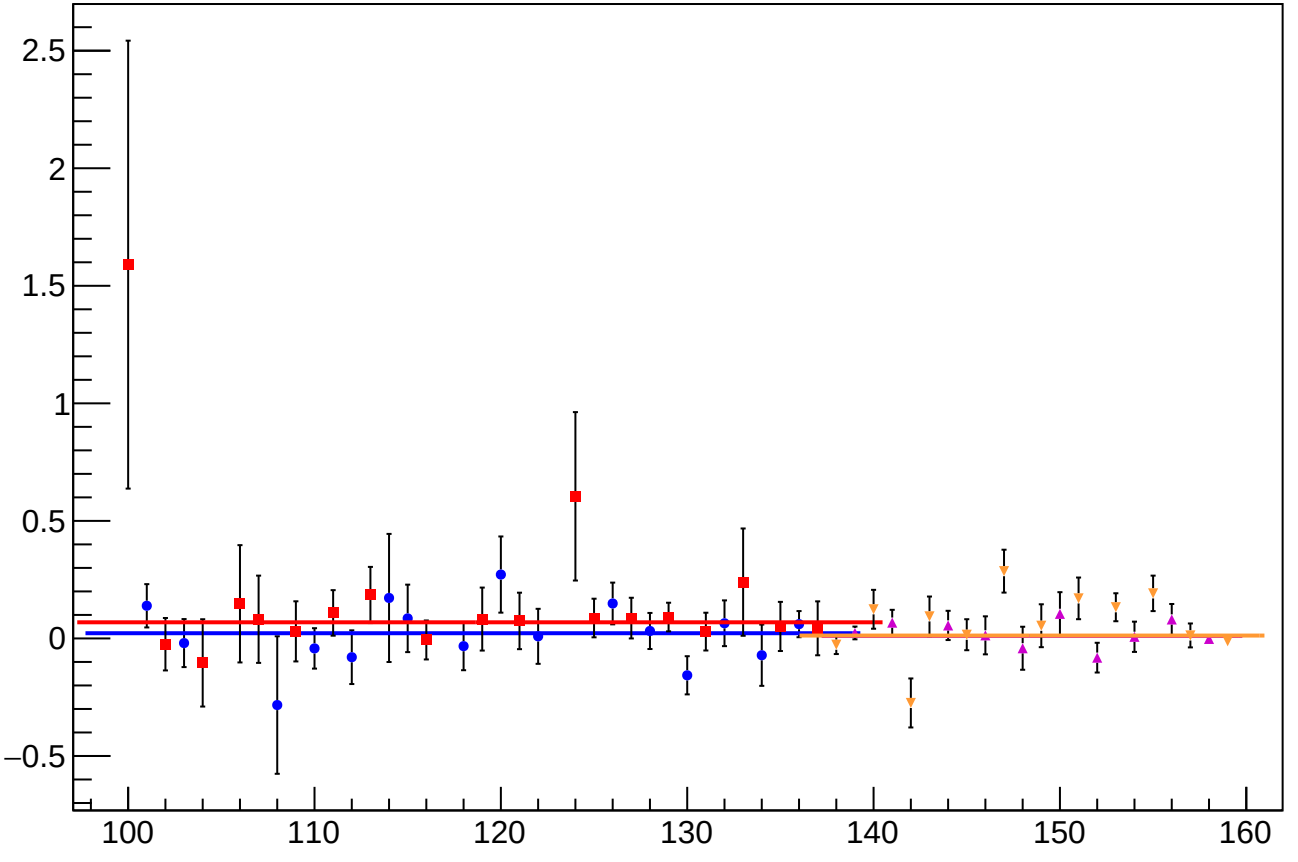
Left In: 0.000+/-0.000 χ^2/NDF:1443910.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 3605356.8/27

All: 0.000+/-0.000 χ^2/NDF: 8211575.2/56

- sign 0.000+/-0.000 χ^2/NDF: 4604875.4/28

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

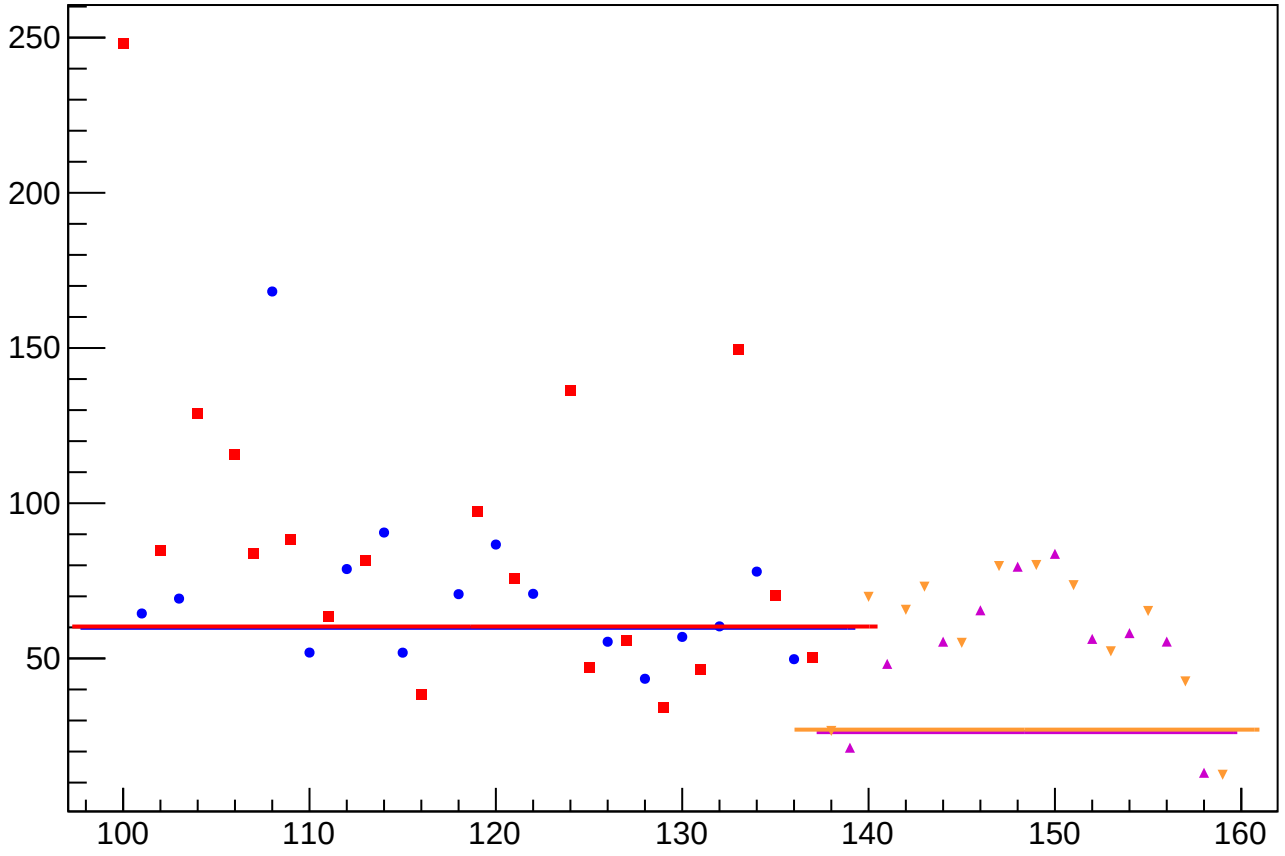
Left In: 0.010+/-0.012 χ^2/NDF:7.1/9

+ sign 0.014+/-0.011 χ^2/NDF: 51.5/27

All: 0.018+/-0.008 χ^2/NDF: 72.7/56

- sign 0.021+/-0.011 χ^2/NDF: 21.0/28

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

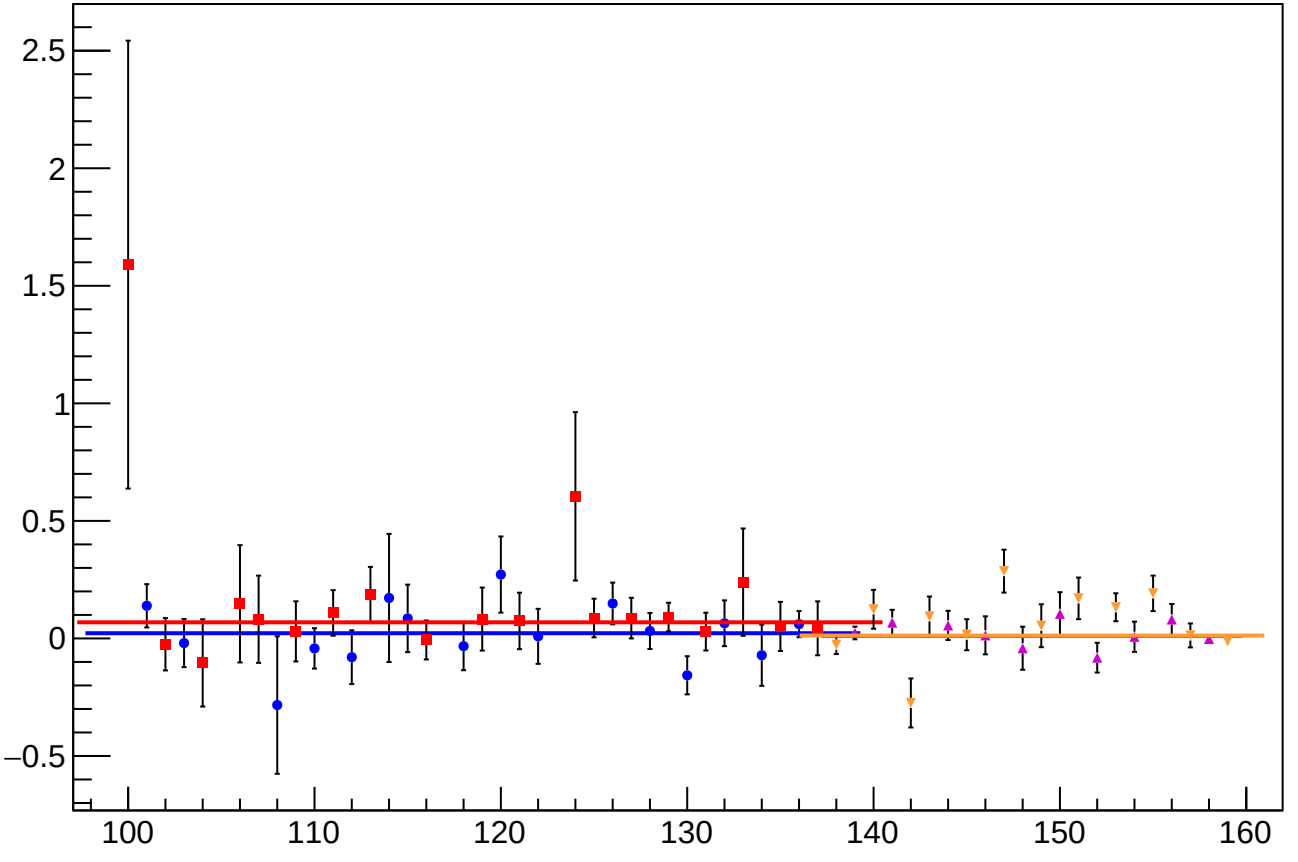
Left In: 26.256+/-0.009 χ^2/NDF:5387567.8/9

+ sign 33.564+/-0.008 χ^2/NDF: 10025275.5/27

All: 33.077+/-0.005 χ^2/NDF: 20345671.3/56

- sign 32.597+/-0.008 χ^2/NDF: 10312589.8/28

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

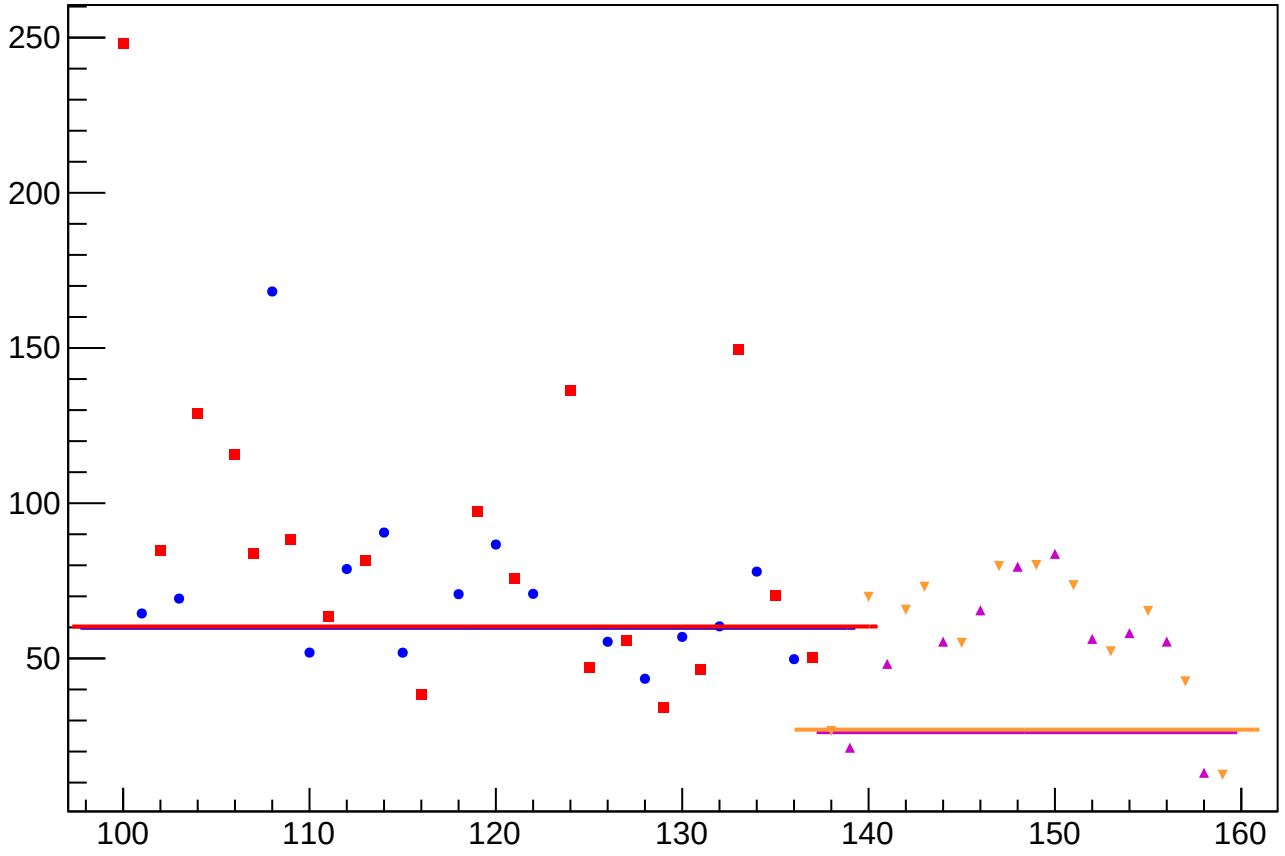
Left In: 0.010+/-0.012 χ^2/NDF:7.1/9

+ sign 0.014+/-0.011 χ^2/NDF: 51.5/27

All: 0.018+/-0.008 χ^2/NDF: 72.7/56

- sign 0.021+/-0.011 χ^2/NDF: 21.0/28

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

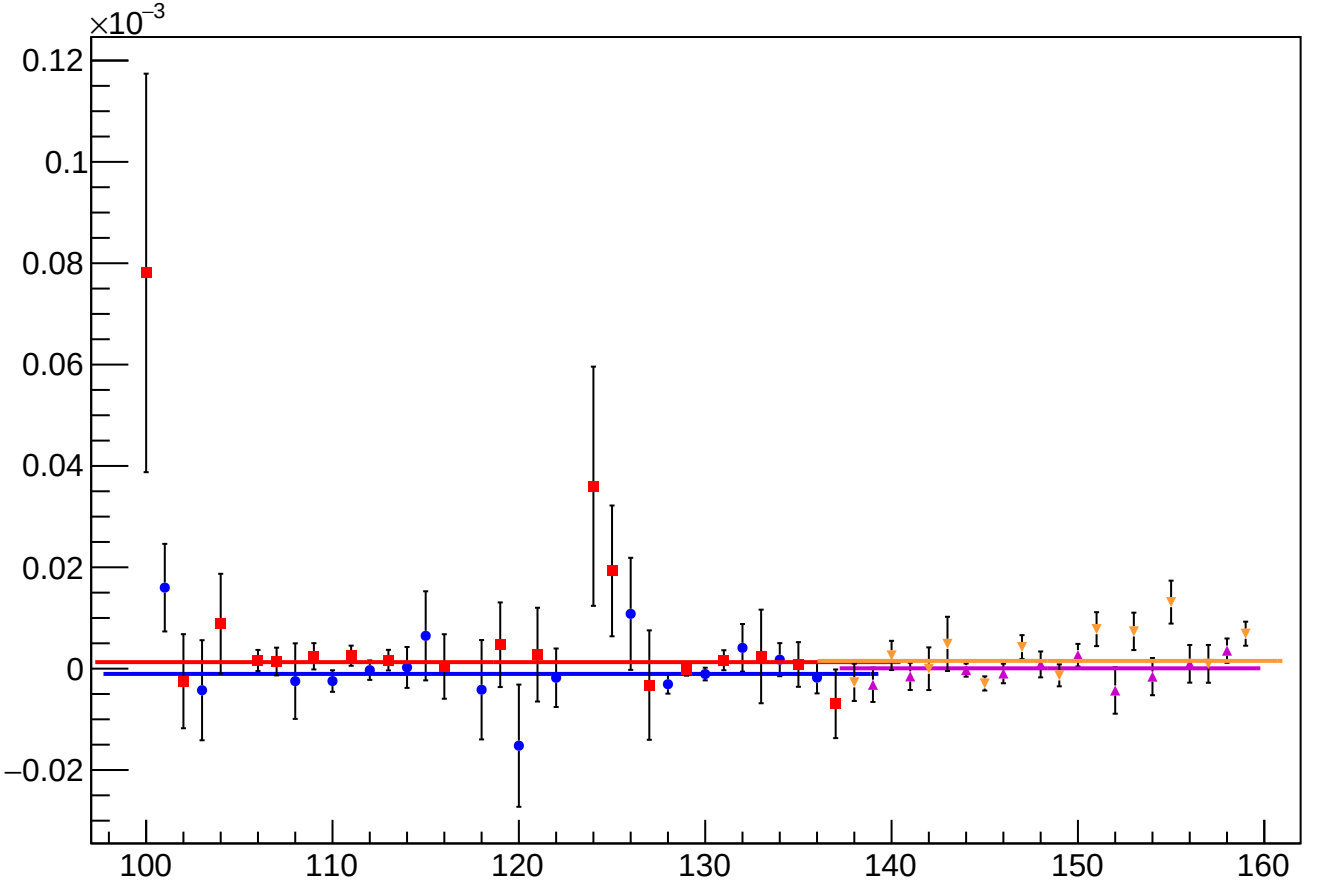
Left In: 26.256+/-0.009 χ^2/NDF:5387567.8/9

+ sign 33.564+/-0.008 χ^2/NDF: 10025275.5/27

All: 33.077+/-0.005 χ^2/NDF: 20345671.3/56

- sign 32.597+/-0.008 χ^2/NDF: 10312589.8/28

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

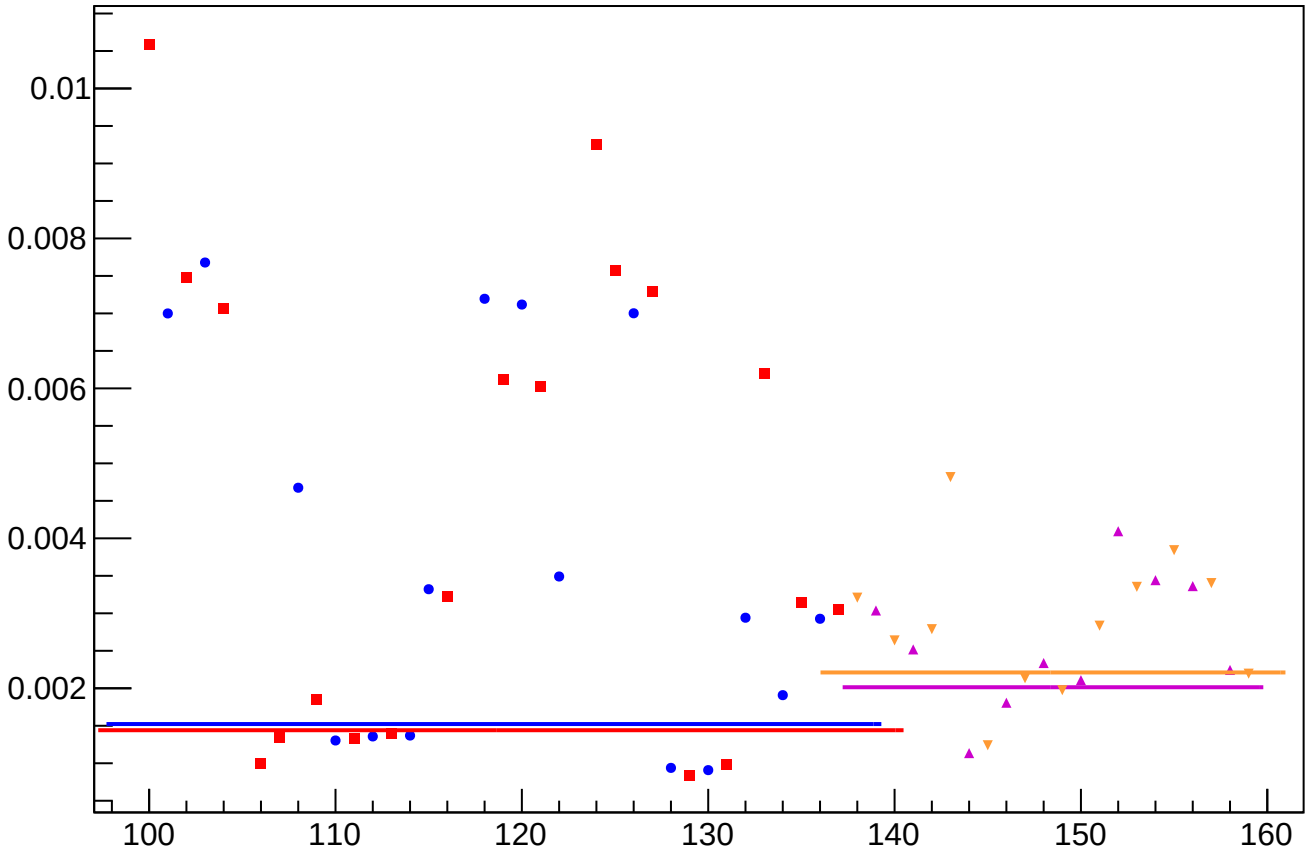
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 50.9/27

All: 0.000+/-0.000 χ^2/NDF: 71.6/56

- sign 0.000+/-0.000 χ^2/NDF: 20.2/28



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

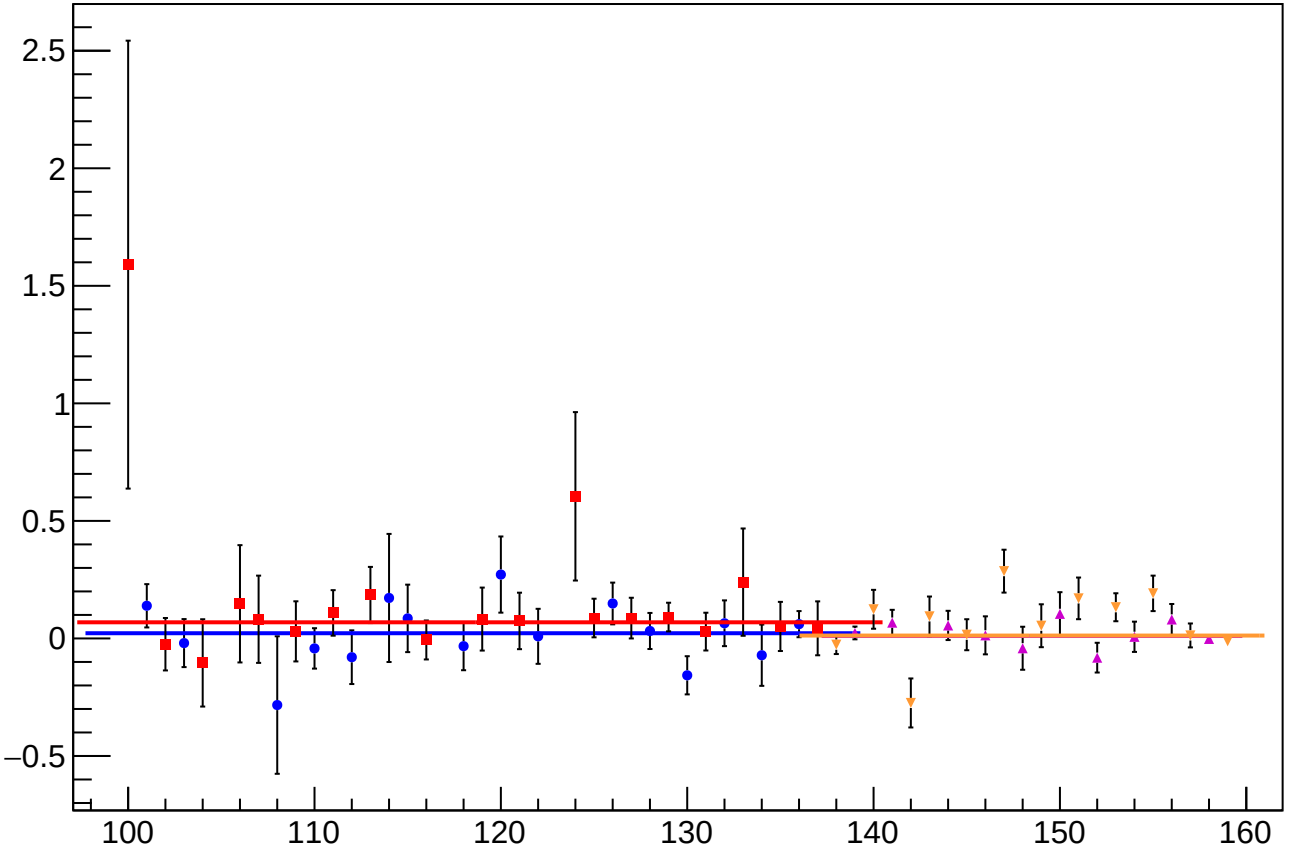
Left In: 0.002+/-0.000 χ^2/NDF:2212405.4/9

+ sign 0.002+/-0.000 χ^2/NDF: 8464743.4/27

All: 0.002+/-0.000 χ^2/NDF: 17169272.9/56

- sign 0.002+/-0.000 χ^2/NDF: 8631742.1/28

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

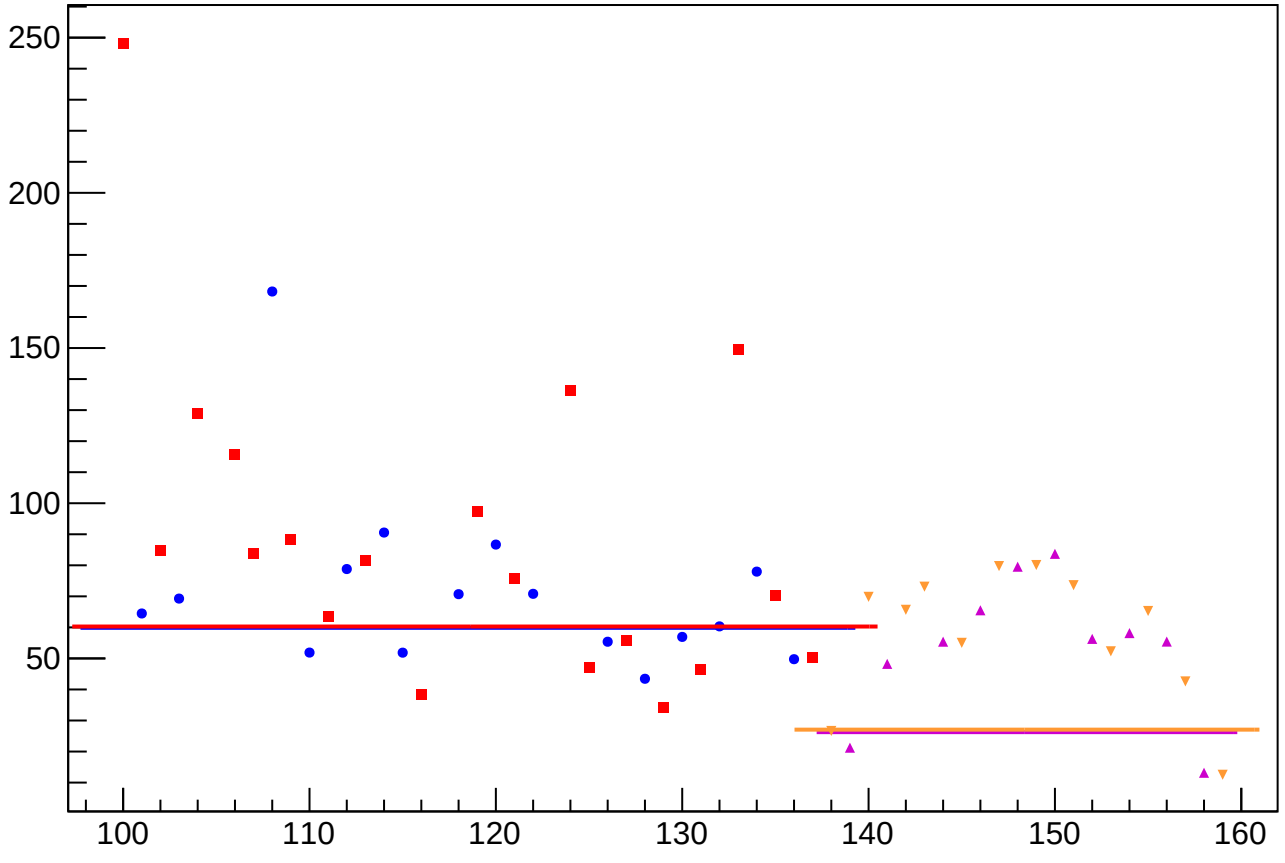
Left In: 0.010+/-0.012 χ^2/NDF:7.1/9

+ sign 0.014+/-0.011 χ^2/NDF: 51.5/27

All: 0.018+/-0.008 χ^2/NDF: 72.7/56

- sign 0.021+/-0.011 χ^2/NDF: 21.0/28

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

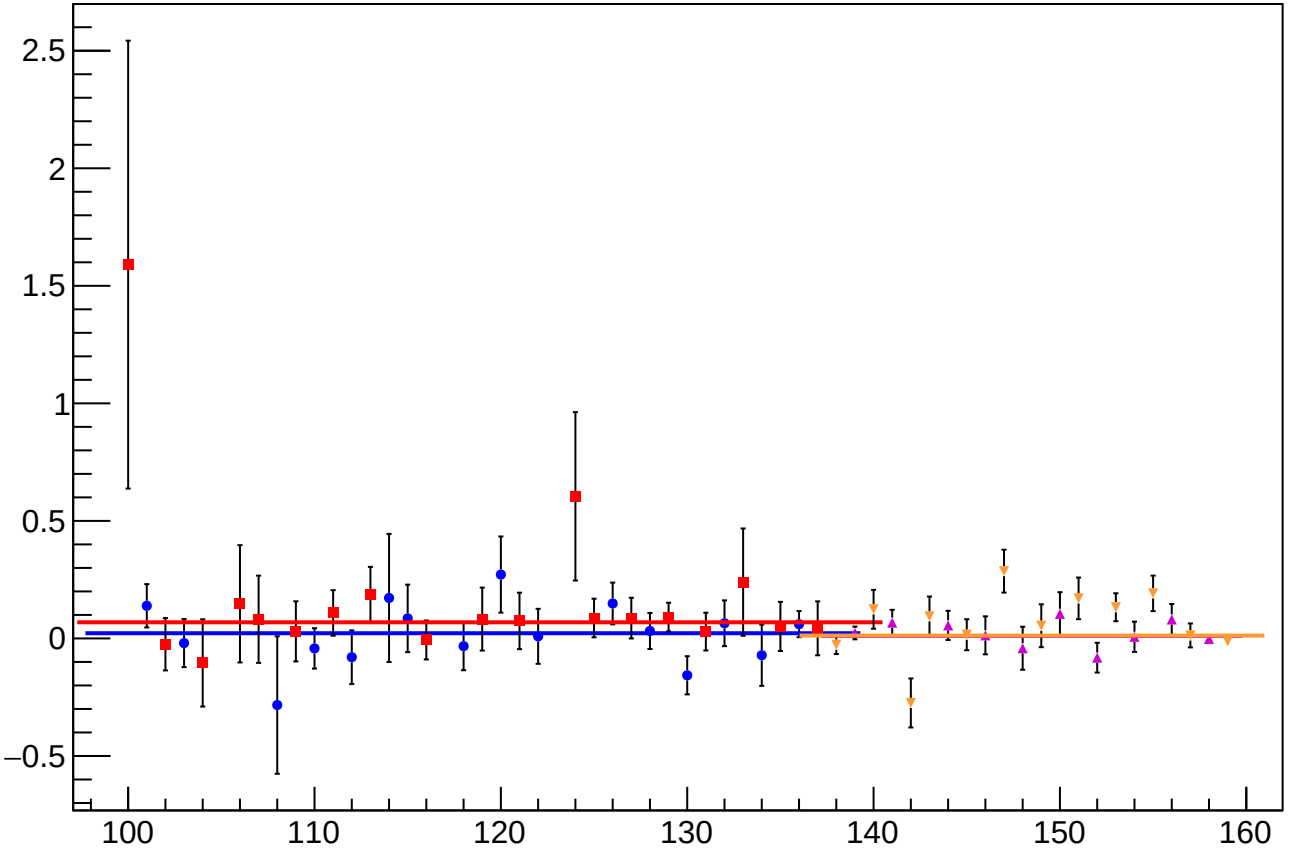
Left In: 26.253+/-0.009 χ^2/NDF:5388463.8/9

+ sign 33.562+/-0.008 χ^2/NDF: 10026872.6/27

All: 33.074+/-0.005 χ^2/NDF: 20348865.7/56

- sign 32.594+/-0.008 χ^2/NDF: 10314180.0/28

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.012+/-0.012 χ^2/NDF:35.9/11

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

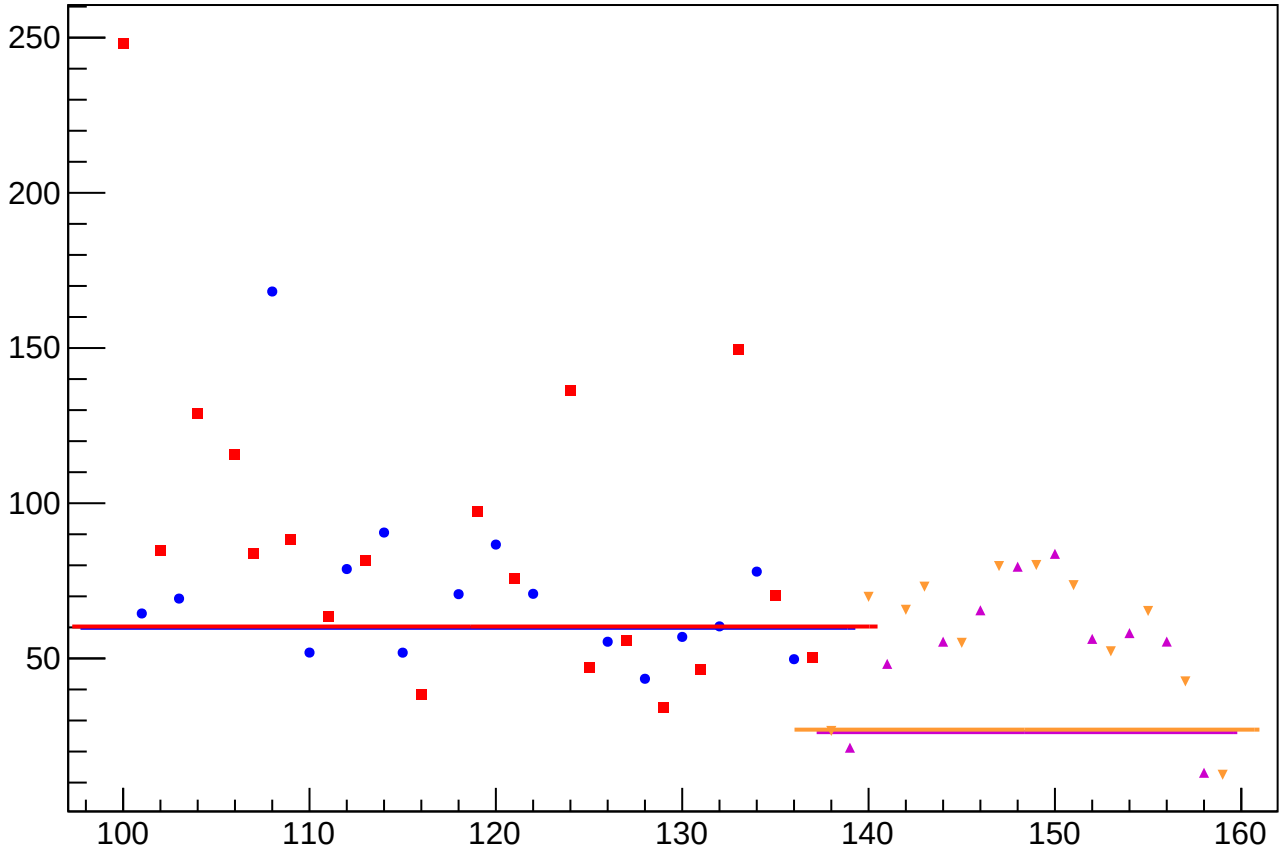
Left In: 0.010+/-0.012 χ^2/NDF:7.1/9

+ sign 0.014+/-0.011 χ^2/NDF: 51.5/27

All: 0.018+/-0.008 χ^2/NDF: 72.7/56

- sign 0.021+/-0.011 χ^2/NDF: 21.0/28

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

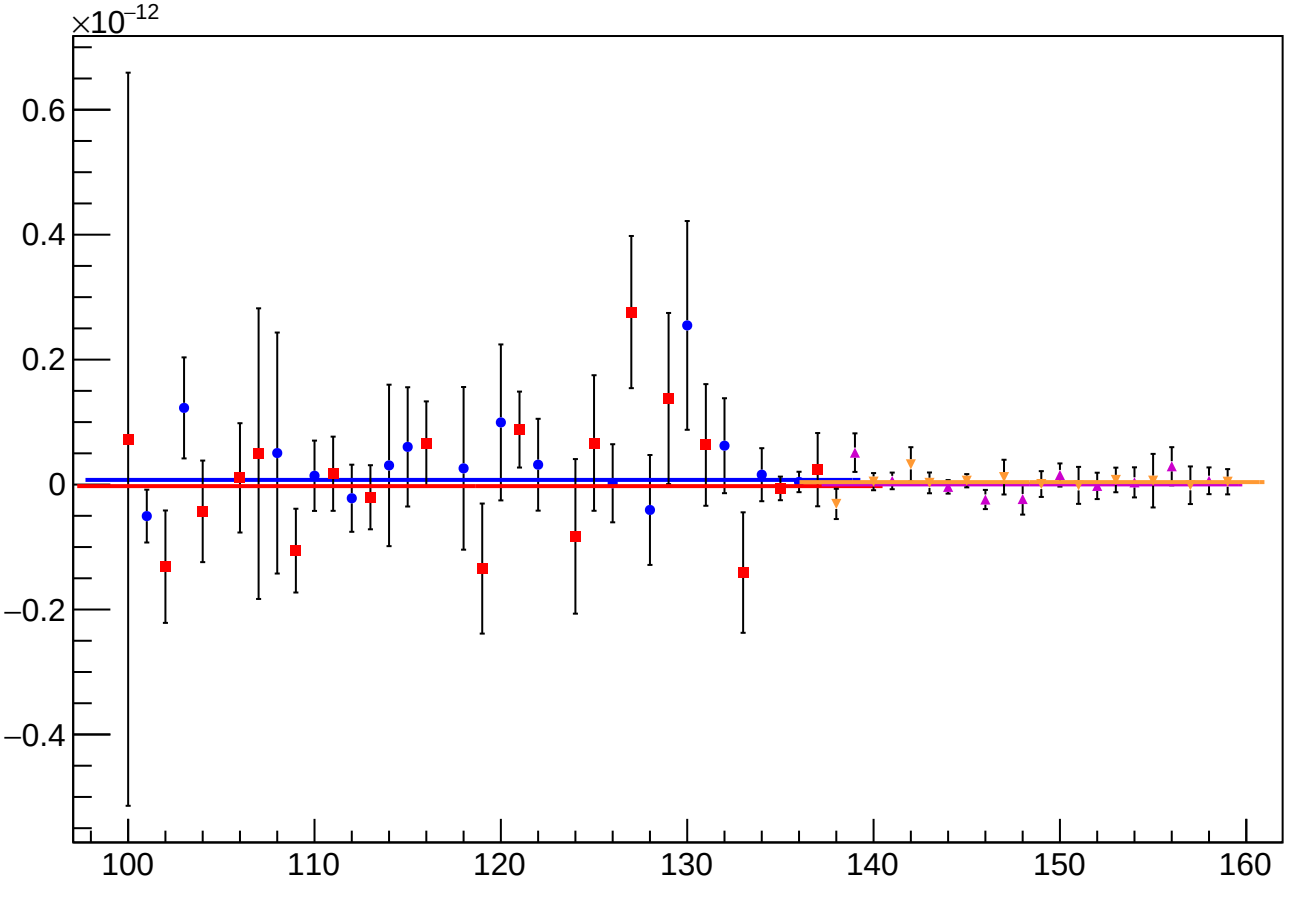
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 26.253+/-0.009 χ^2/NDF:5388463.8/9

+ sign 33.562+/-0.008 χ^2/NDF: 10026872.6/27

All: 33.074+/-0.005 χ^2/NDF: 20348865.7/56

- sign 32.594+/-0.008 χ^2/NDF: 10314180.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/11

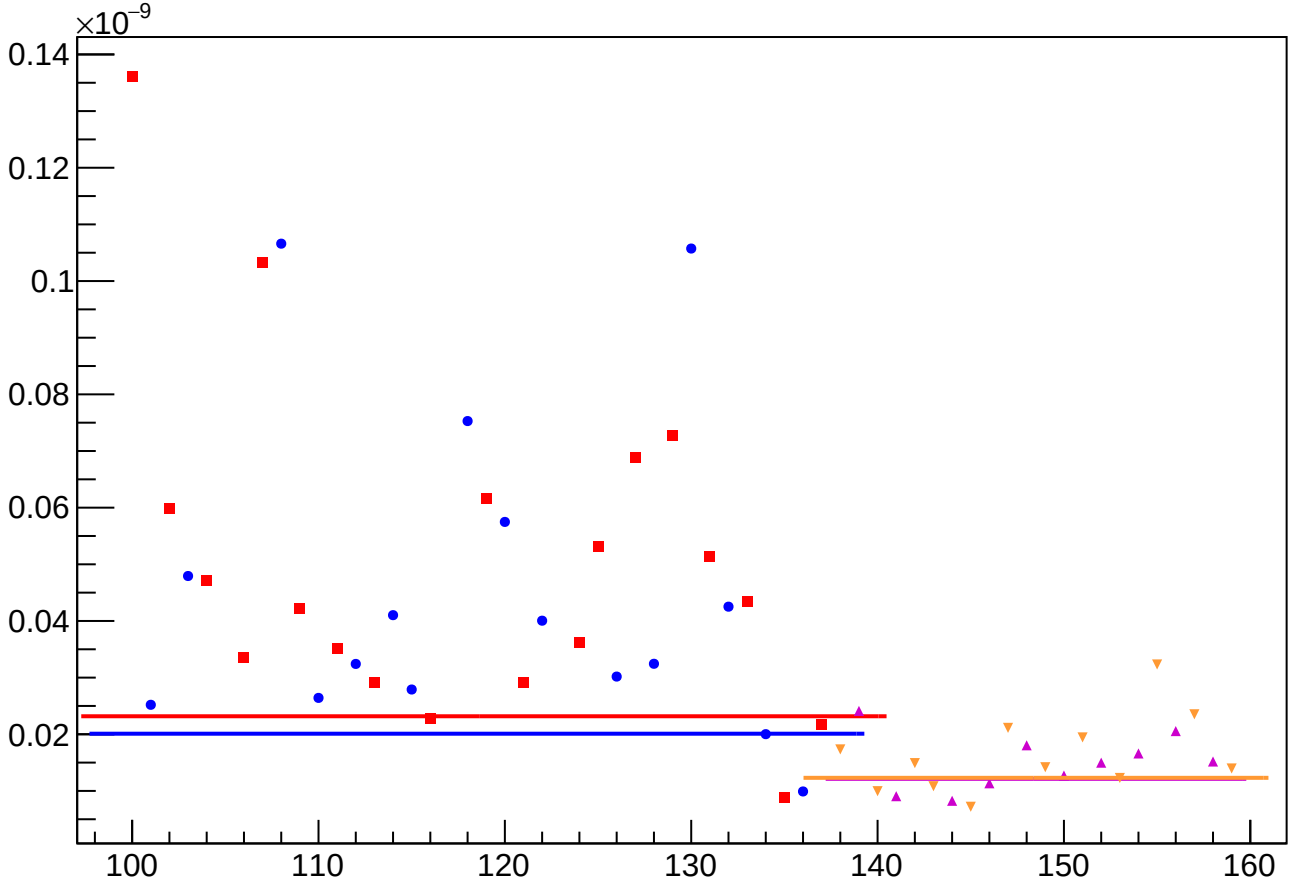
Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 11.9/27

All: 0.000+/-0.000 χ^2/NDF: 40.0/56

- sign -0.000+/-0.000 χ^2/NDF: 27.8/28



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

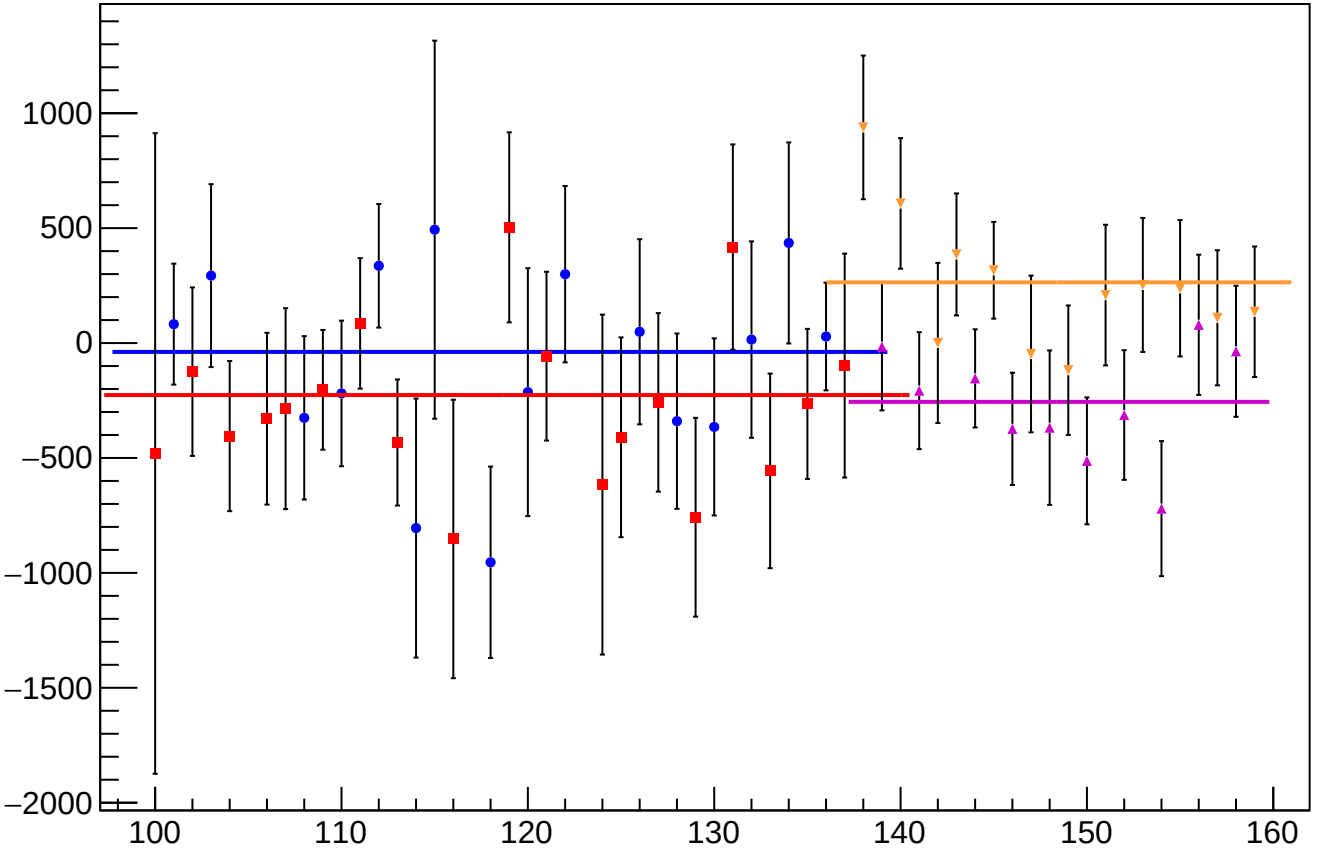
Left In: 0.000+/-0.000 χ^2/NDF:1081720.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 5502737.7/27

All: 0.000+/-0.000 χ^2/NDF: 11250731.6/56

- sign 0.000+/-0.000 χ^2/NDF: 5747476.5/28

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

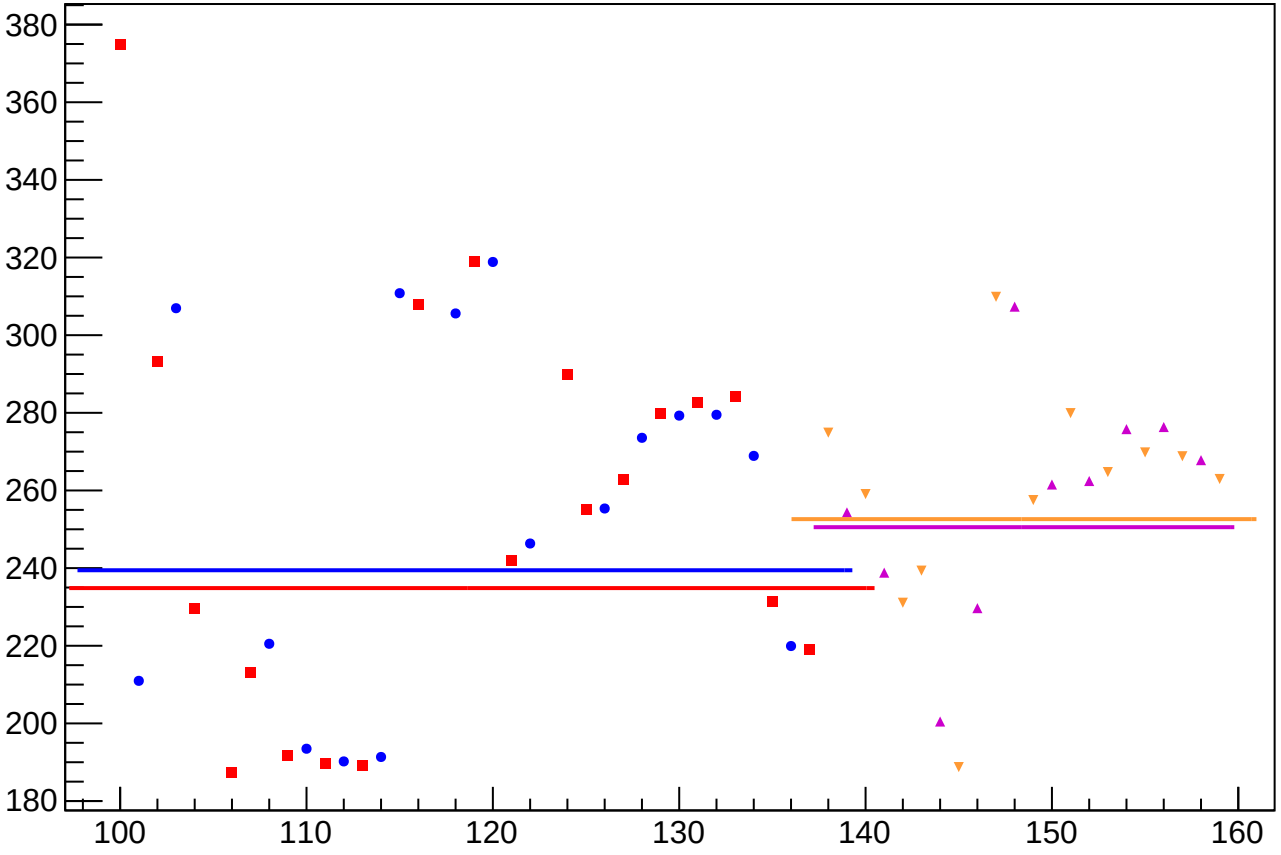
Left In: -255.880+/-85.636 χ^2/NDF:6.6/9

+ sign 126.854+/-61.043 χ^2/NDF: 30.7/27

All: -56.382+/-43.269 χ^2/NDF: 66.9/56

- sign -241.413+/-61.341 χ^2/NDF: 18.1/28

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

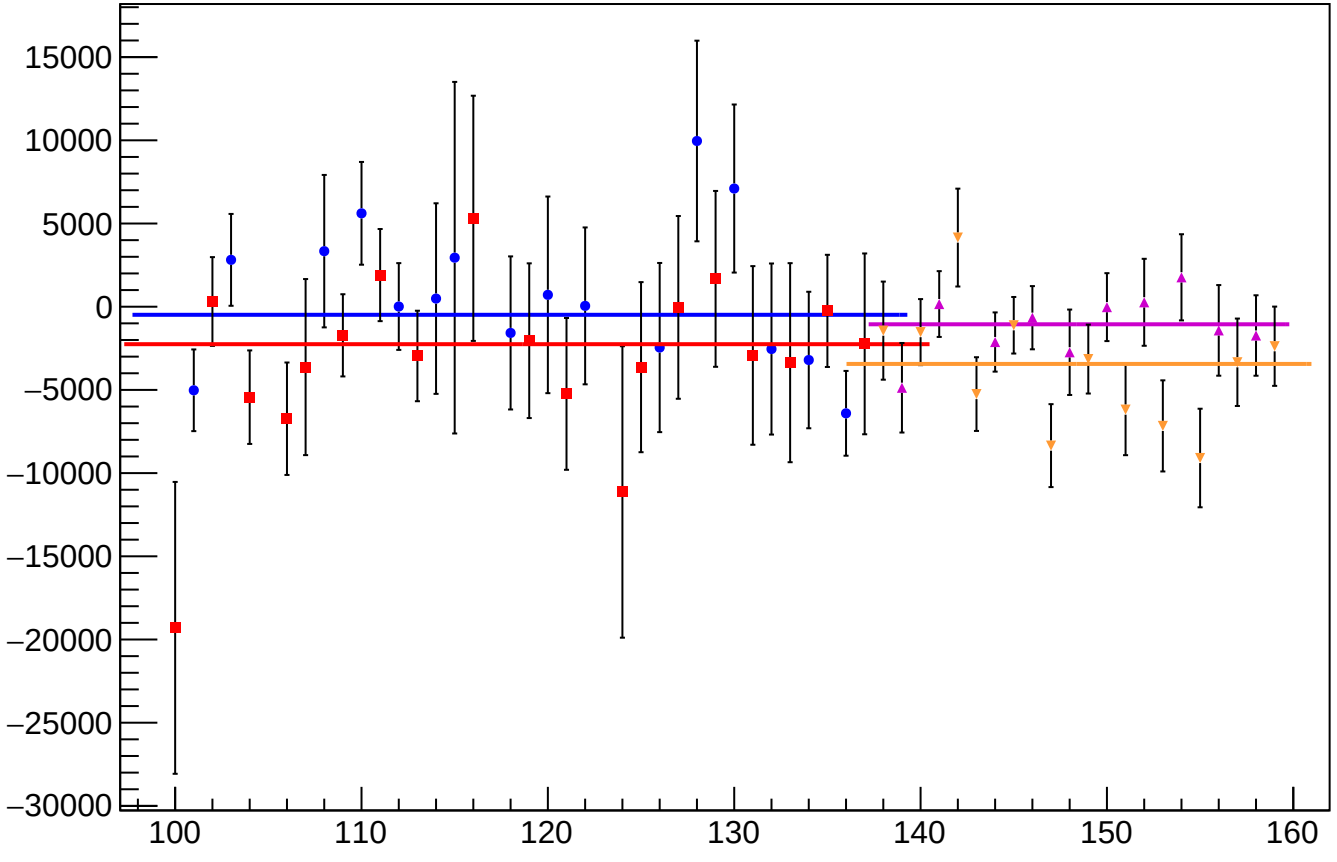
Left In: 250.544+/-0.061 χ^2/NDF:229480.5/9

+ sign 246.641+/-0.043 χ^2/NDF: 723862.5/27

All: 244.782+/-0.031 χ^2/NDF: 1471475.7/56

- sign 242.905+/-0.043 χ^2/NDF: 743884.4/28

asym_sam4_reg_correction_mean vs Slug



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

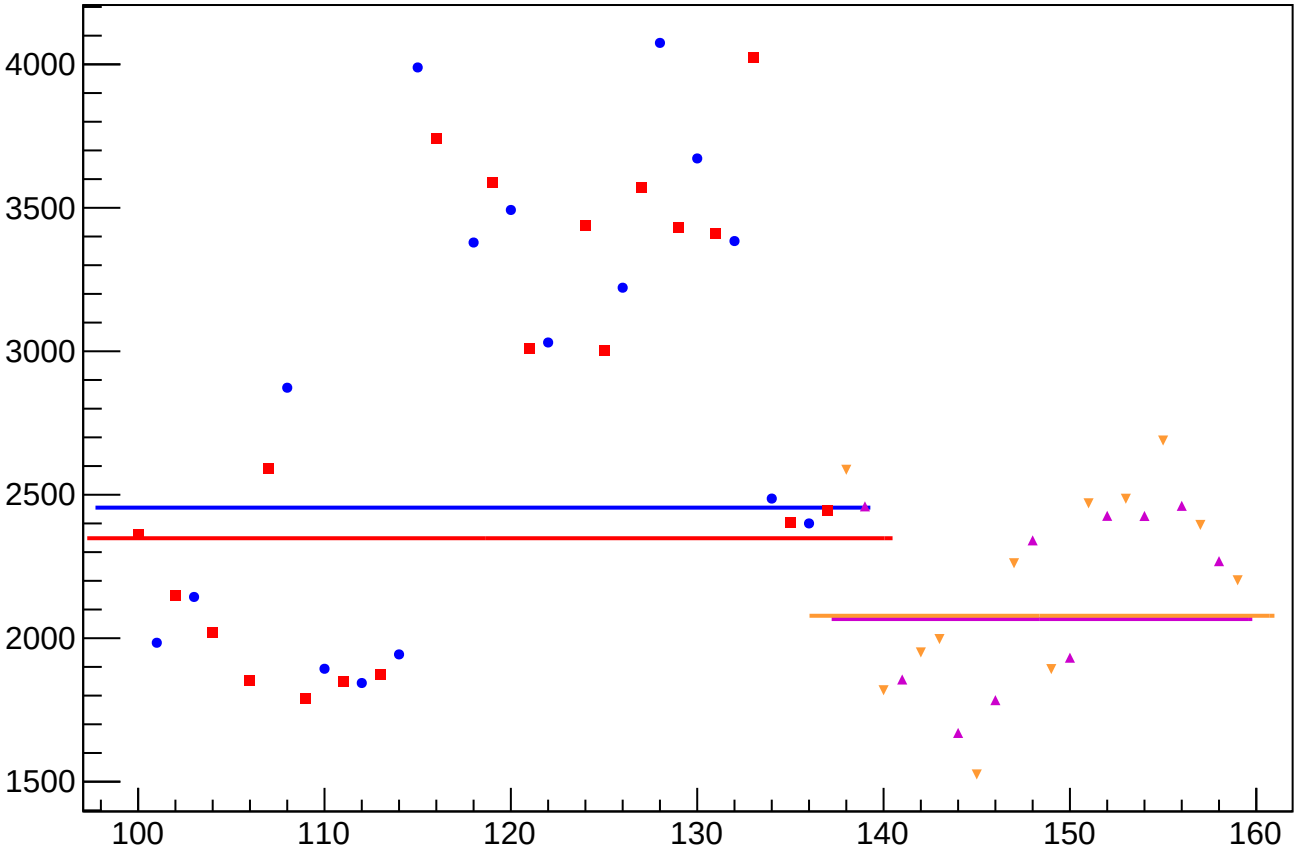
Left In: -1056.096+/-710.586 χ^2/NDF:5.0/9

+ sign -2424.858+/-555.161 χ^2/NDF: 48.7/27

All: -1972.850+/-392.965 χ^2/NDF: 70.0/56

- sign -1518.964+/-556.313 χ^2/NDF: 20.0/28

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

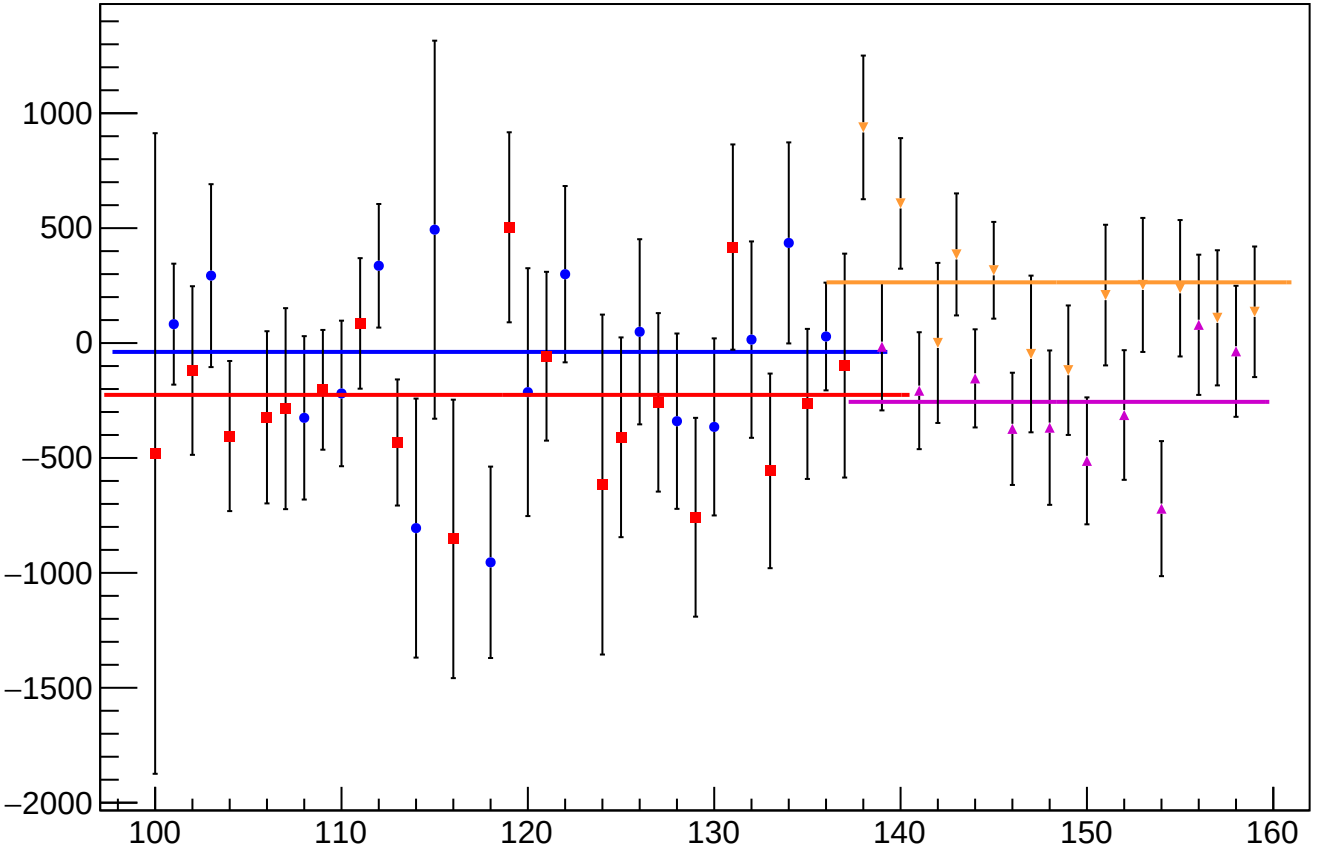
Left In: 2066.802+/-0.502 χ^2/NDF:372976.2/9

+ sign 2207.626+/-0.393 χ^2/NDF: 1645876.1/27

All: 2191.756+/-0.278 χ^2/NDF: 3196166.7/56

- sign 2175.820+/-0.393 χ^2/NDF: 1547015.2/28

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

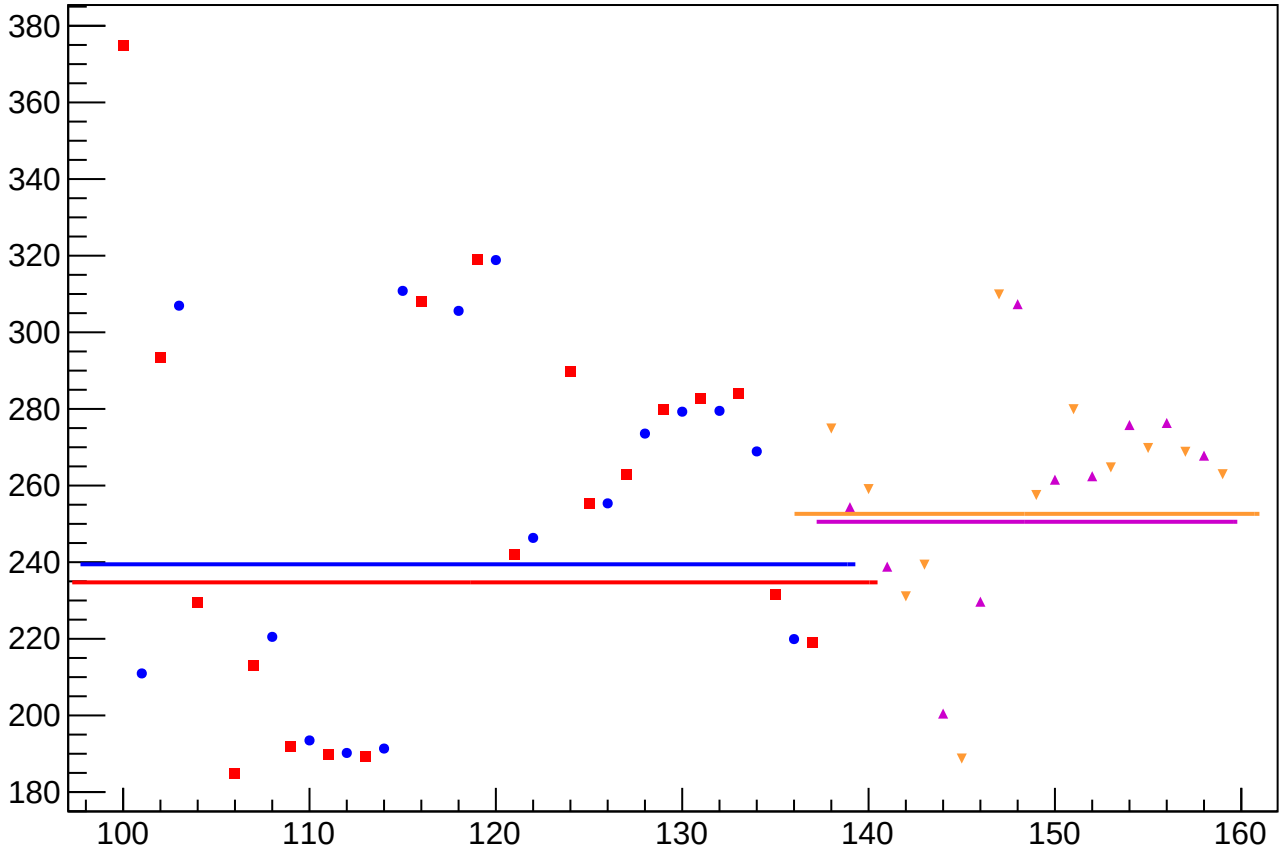
Left In: -255.886+/-85.636 χ^2/NDF:6.6/9

+ sign 126.846+/-61.043 χ^2/NDF: 30.7/27

All: -56.217+/-43.271 χ^2/NDF: 66.9/56

- sign -241.100+/-61.346 χ^2/NDF: 18.0/28

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

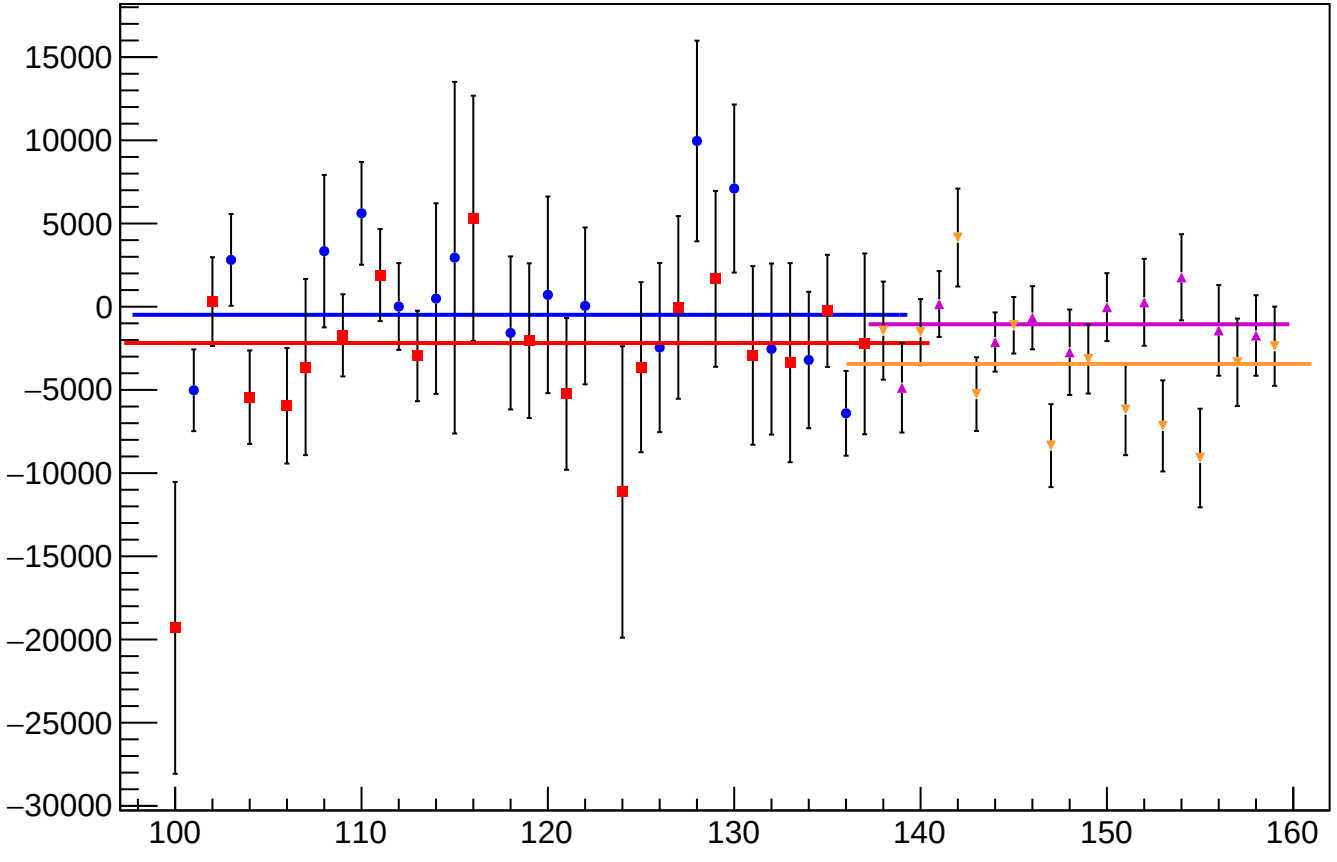
Left In: 250.544+/-0.061 χ^2/NDF:229480.6/9

+ sign 246.641+/-0.043 χ^2/NDF: 723864.7/27

All: 244.753+/-0.031 χ^2/NDF: 1475621.3/56

- sign 242.847+/-0.043 χ^2/NDF: 747911.3/28

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

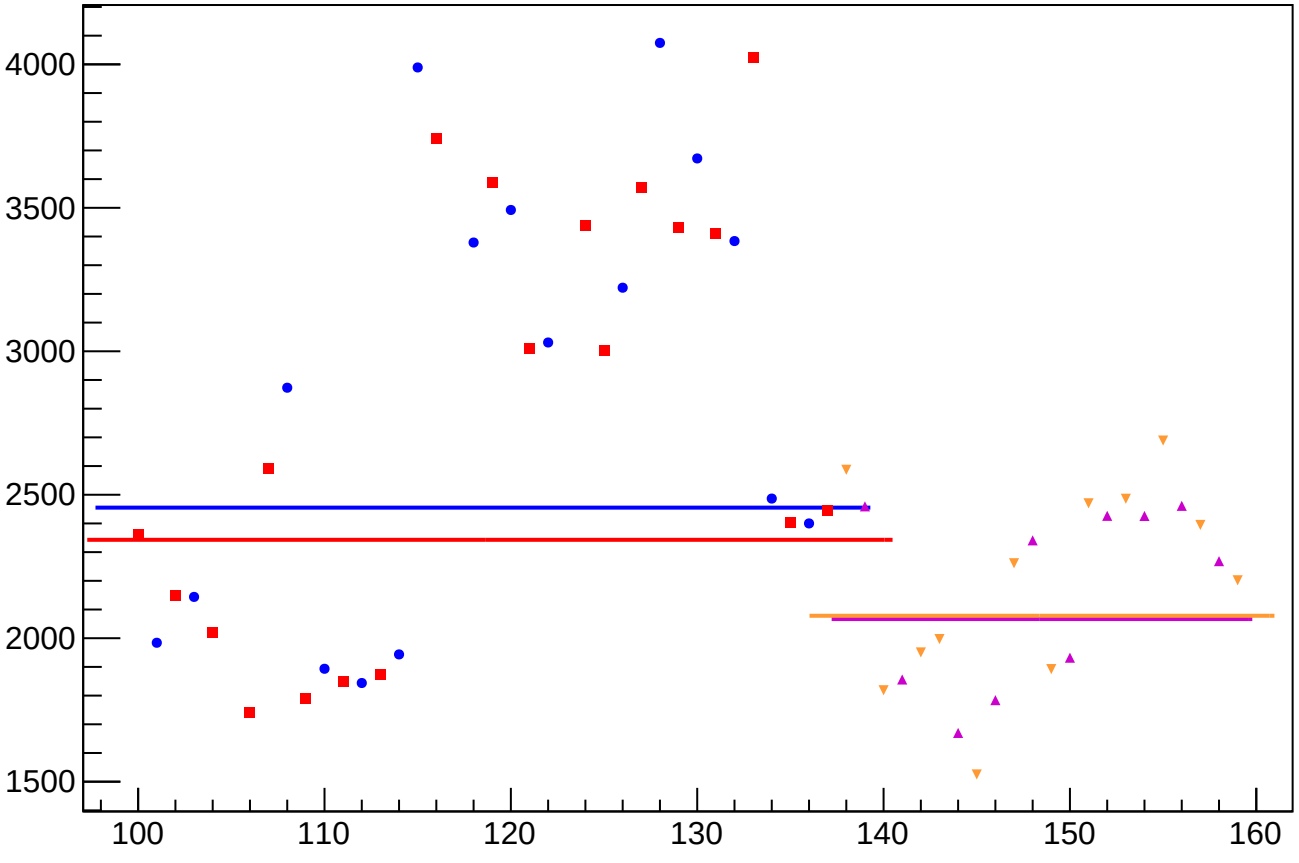
Left In: -1056.112+/-710.586 χ^2/NDF:5.0/9

+ sign -2424.926+/-555.163 χ^2/NDF: 48.7/27

All: -1959.771+/-393.109 χ^2/NDF: 69.4/56

- sign -1492.004+/-556.720 χ^2/NDF: 19.2/28

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

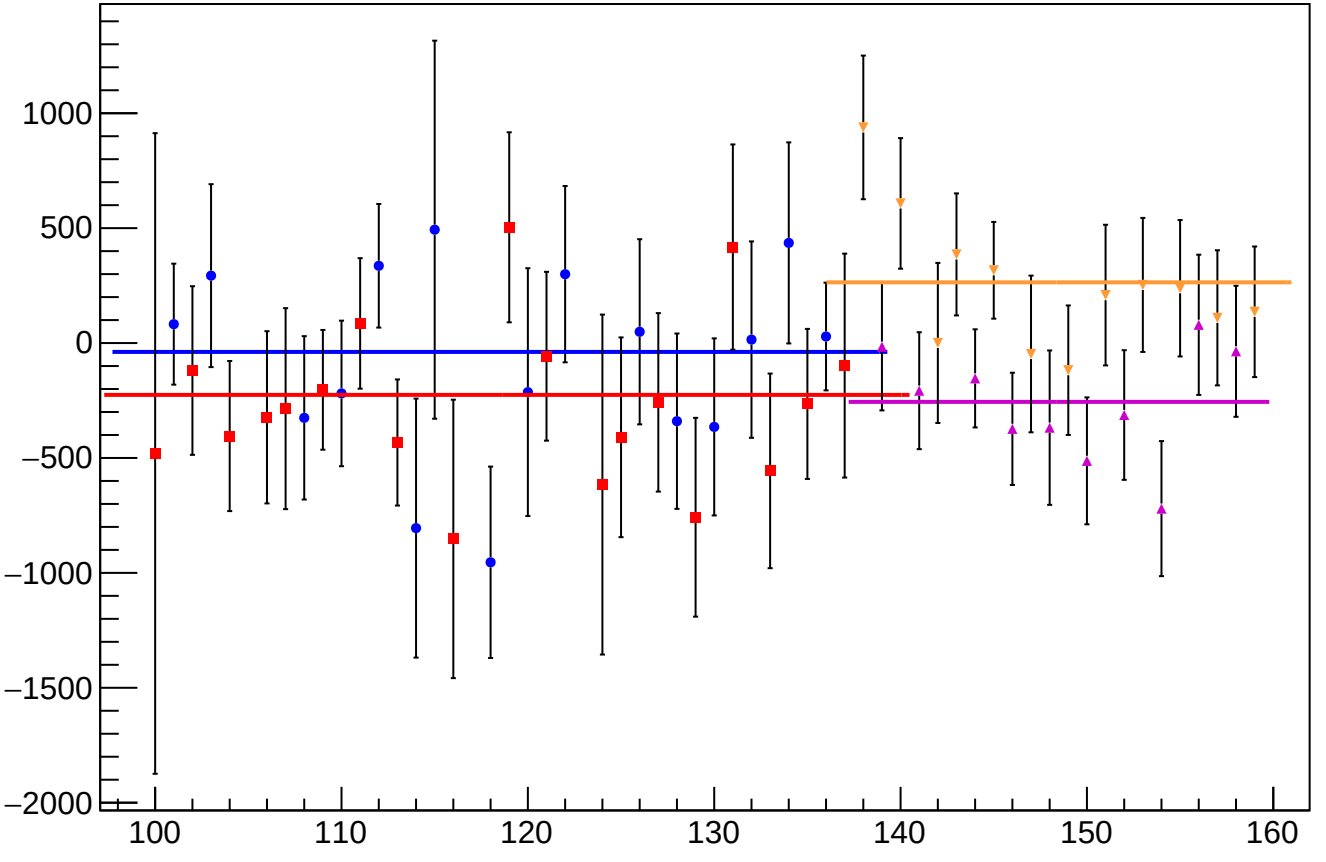
Left In: 2066.803+/-0.502 χ^2/NDF:372973.8/9

+ sign 2207.632+/-0.393 χ^2/NDF: 1645872.3/27

All: 2190.588+/-0.278 χ^2/NDF: 3209664.9/56

- sign 2173.448+/-0.394 χ^2/NDF: 1560011.7/28

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

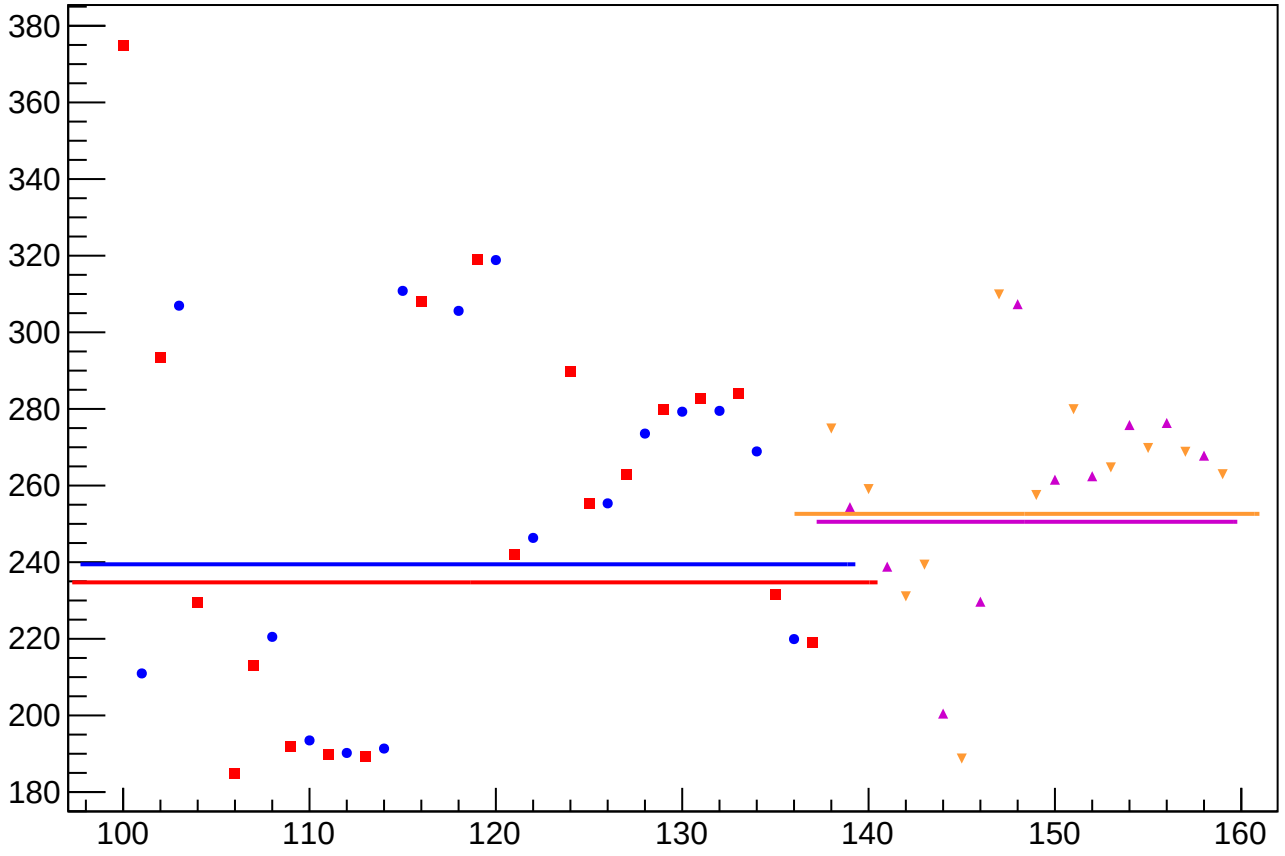
Left In: -255.886+/-85.636 χ^2/NDF:6.6/9

+ sign 126.846+/-61.043 χ^2/NDF: 30.7/27

All: -56.217+/-43.271 χ^2/NDF: 66.9/56

- sign -241.100+/-61.346 χ^2/NDF: 18.0/28

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

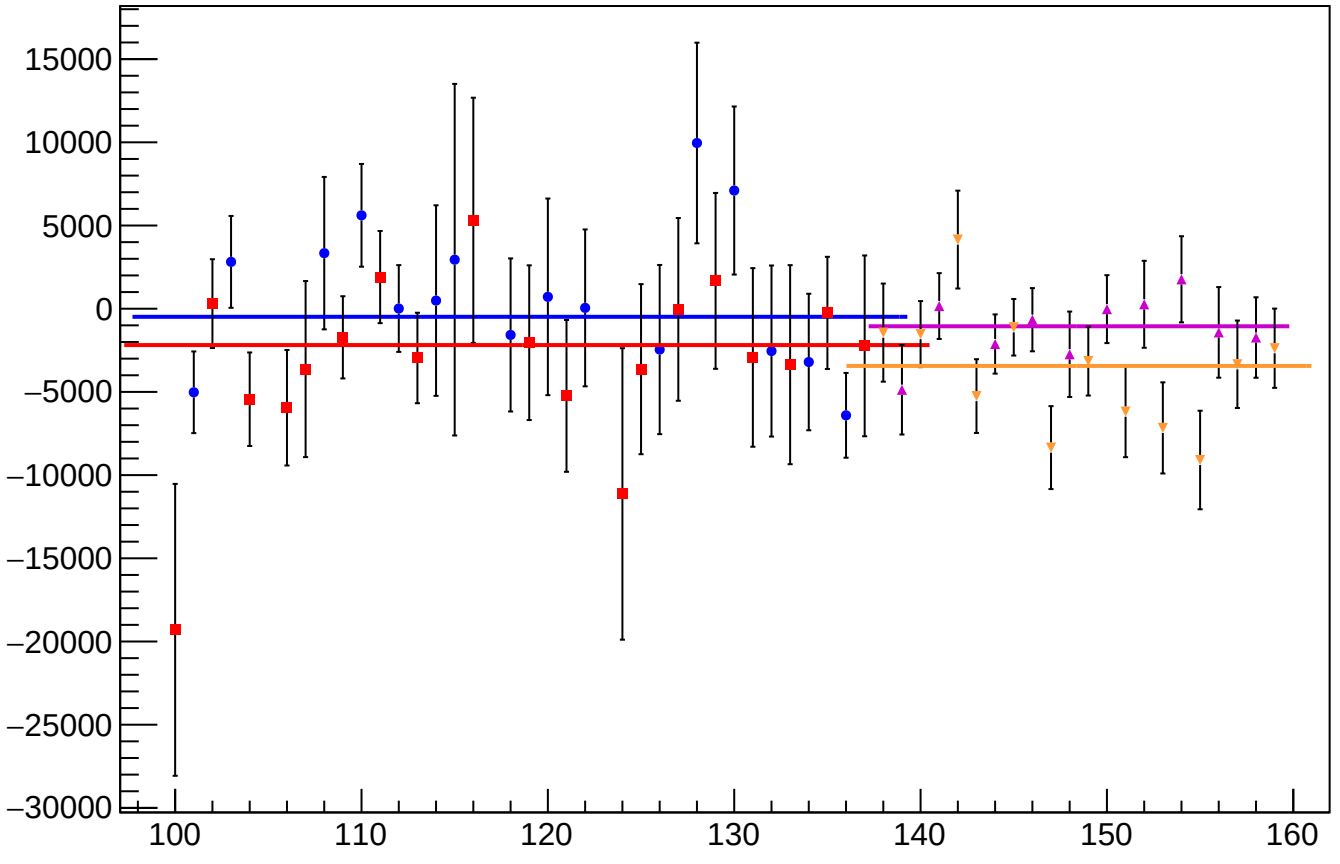
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 250.544+/-0.061 χ^2/NDF:229480.6/9

+ sign 246.641+/-0.043 χ^2/NDF: 723864.7/27

All: 244.753+/-0.031 χ^2/NDF: 1475621.3/56

- sign 242.847+/-0.043 χ^2/NDF: 747911.3/28



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

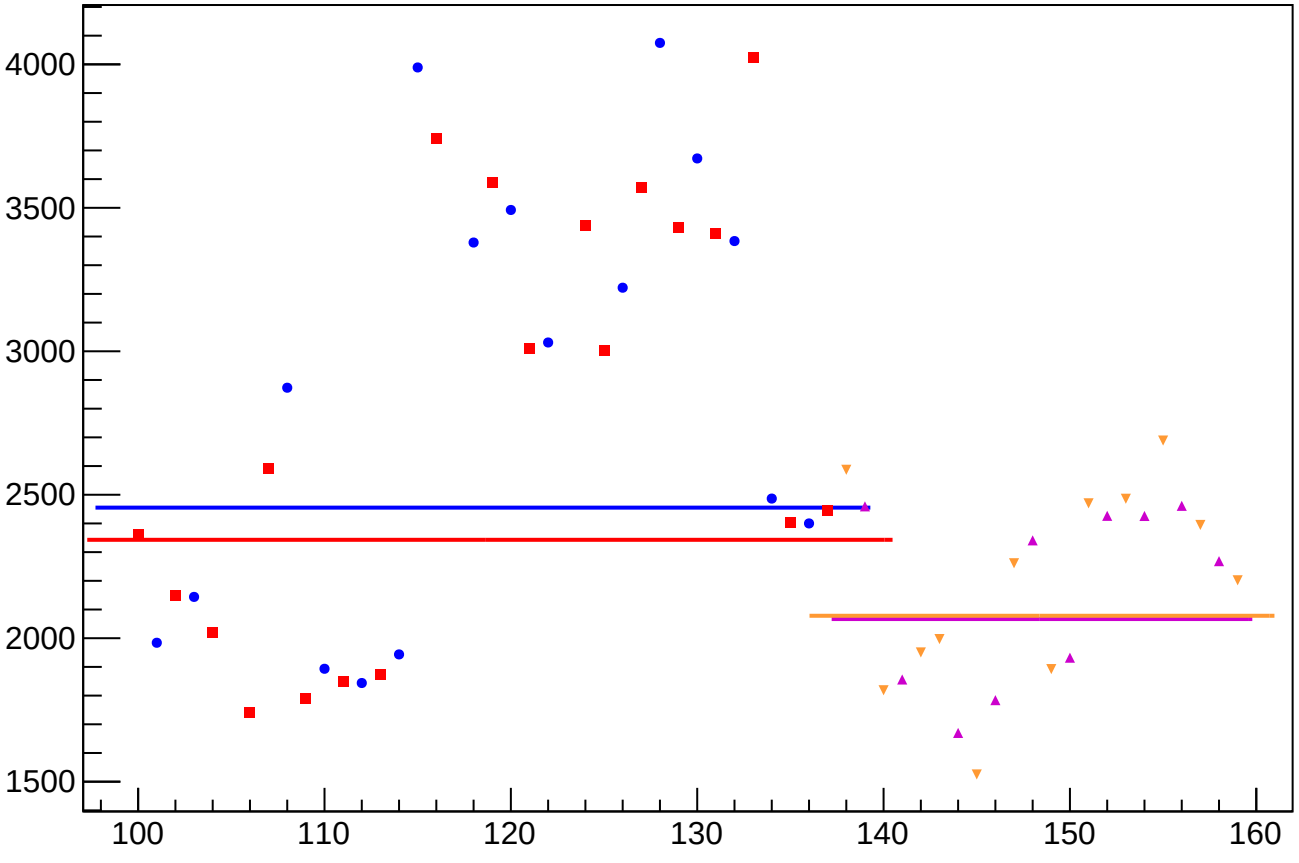
Left In: -1056.112+/-710.586 χ^2/NDF:5.0/9

+ sign -2424.926+/-555.163 χ^2/NDF: 48.7/27

All: -1959.771+/-393.109 χ^2/NDF: 69.4/56

- sign -1492.004+/-556.720 χ^2/NDF: 19.2/28

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

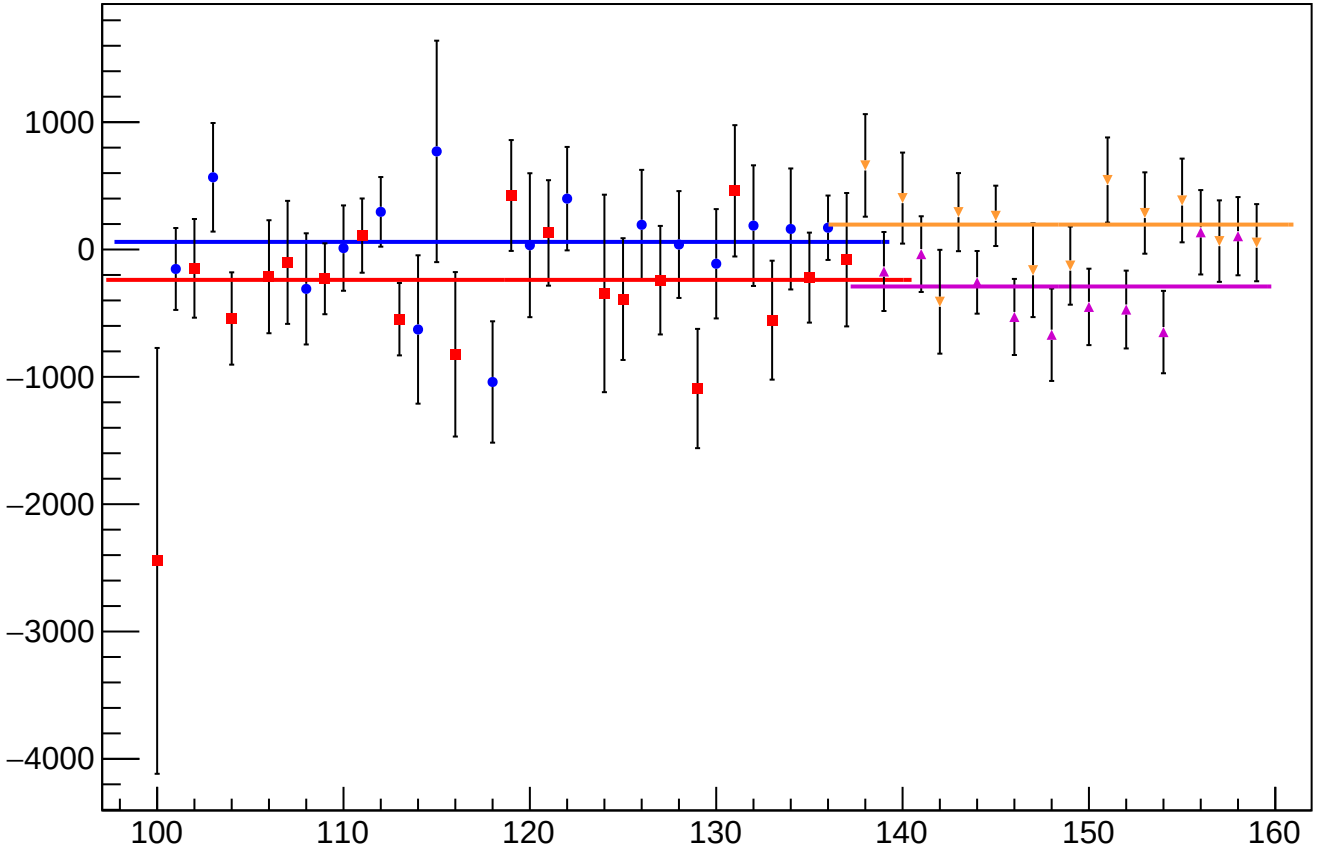
Left In: 2066.803+/-0.502 χ^2/NDF:372973.8/9

+ sign 2207.632+/-0.393 χ^2/NDF: 1645872.3/27

All: 2190.588+/-0.278 χ^2/NDF: 3209664.9/56

- sign 2173.448+/-0.394 χ^2/NDF: 1560011.7/28

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

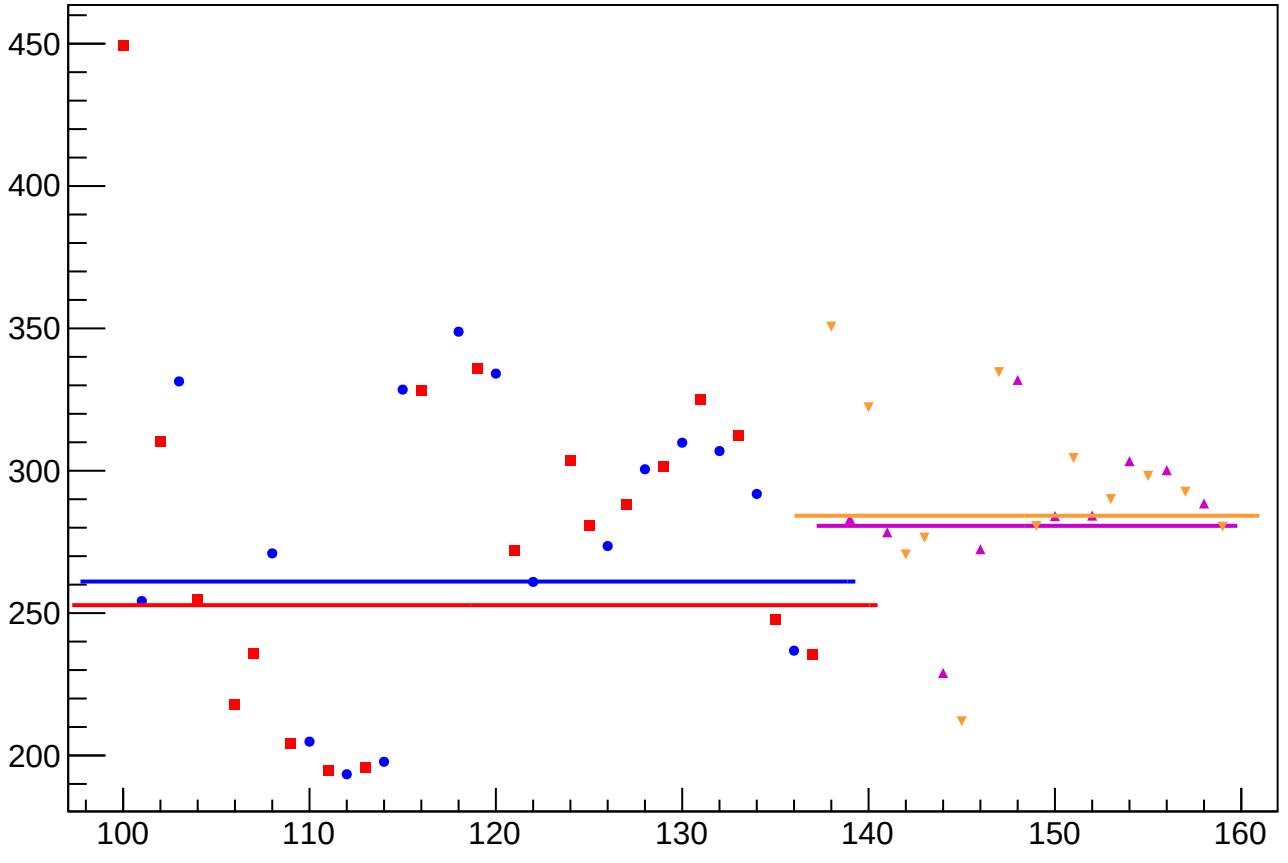
Left In: -290.426+/-96.180 χ^2/NDF:7.8/9

+ sign 131.959+/-67.937 χ^2/NDF: 21.0/27

All: -67.058+/-47.923 χ^2/NDF: 61.0/56

- sign -264.167+/-67.611 χ^2/NDF: 22.9/28

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

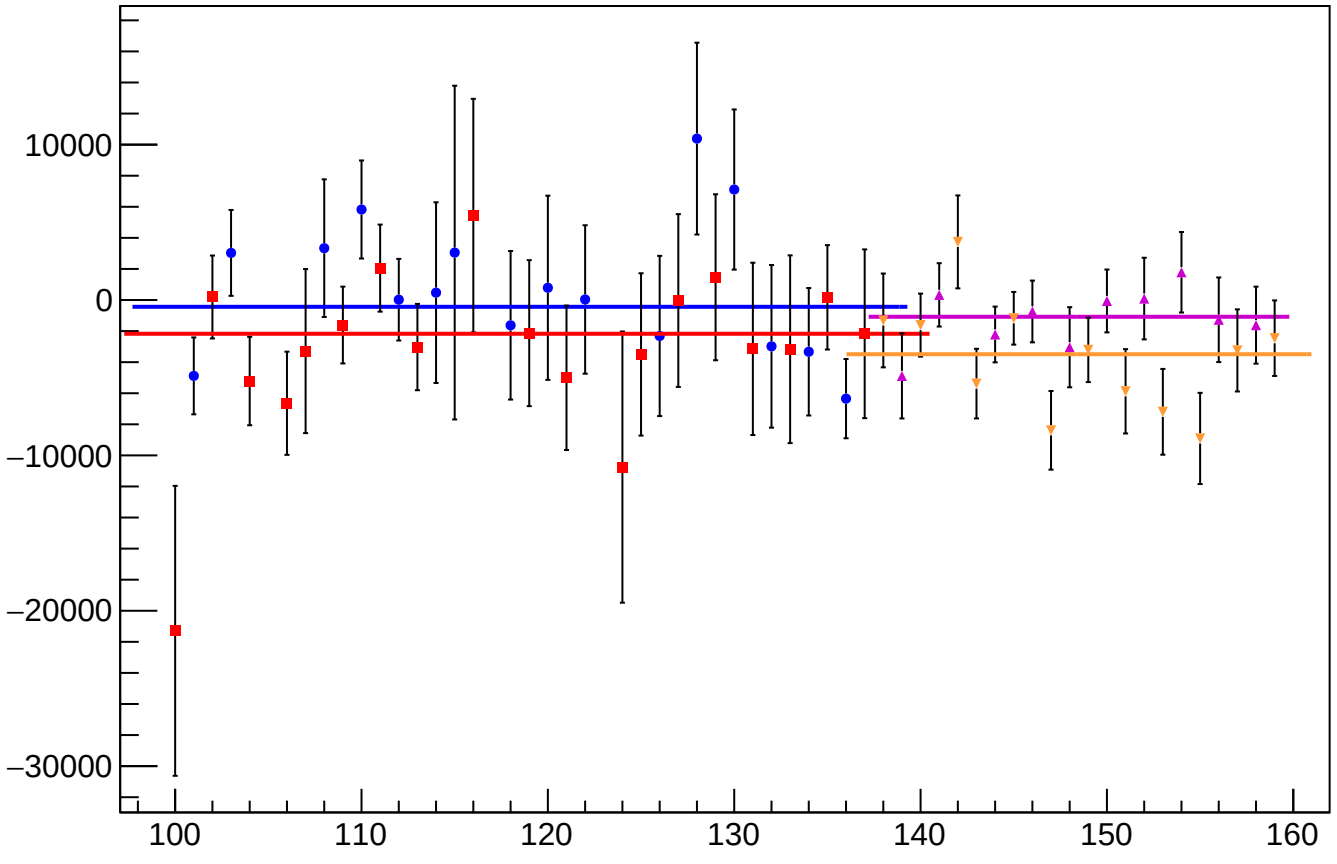
Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 280.649+/-0.068 χ^2/NDF:148487.0/9

+ sign 273.369+/-0.048 χ^2/NDF: 837699.9/27

All: 269.946+/-0.034 χ^2/NDF: 1618485.2/56

- sign 266.555+/-0.048 χ^2/NDF: 770677.5/28



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

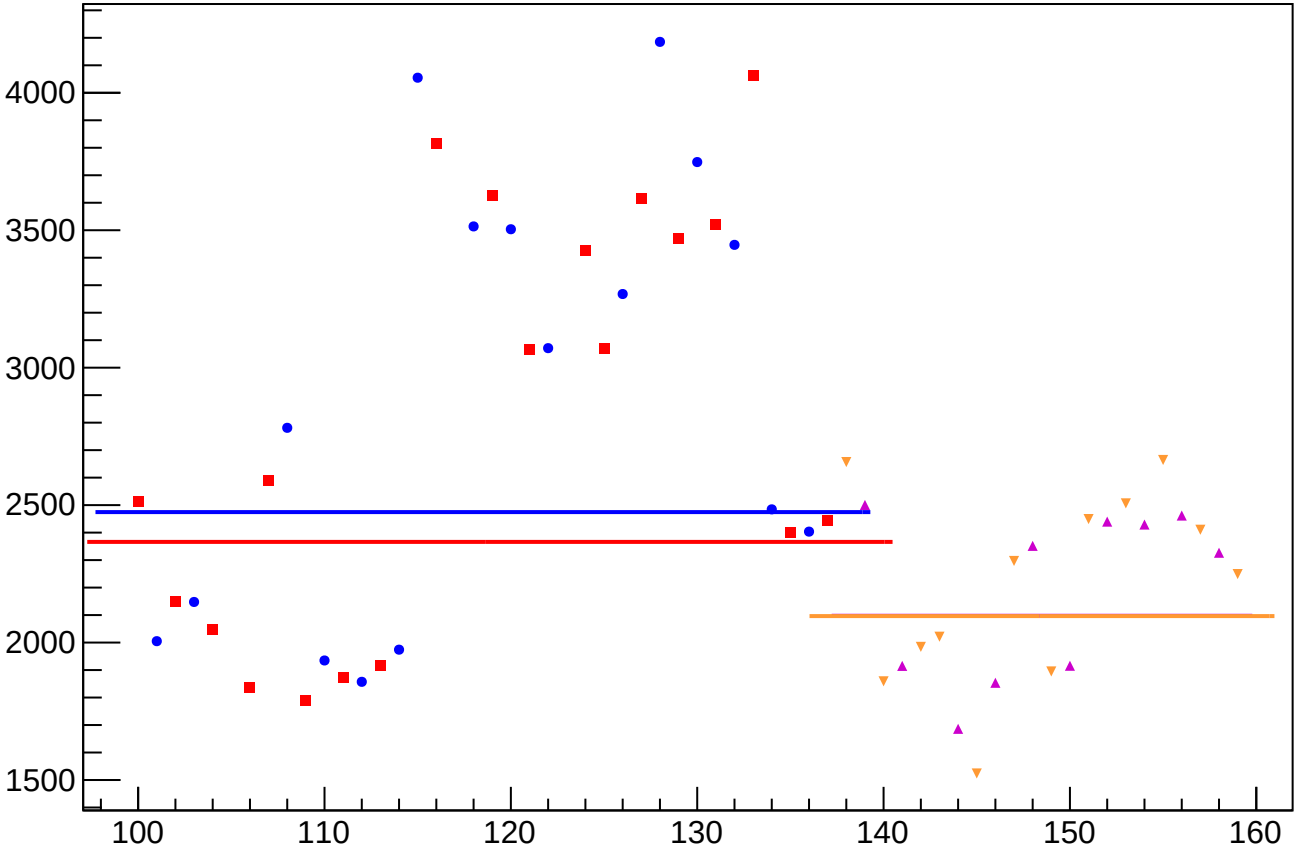
Left In: -1078.401+/-720.965 χ^2/NDF:5.2/9

+ sign -2440.611+/-559.687 χ^2/NDF: 47.6/27

All: -1975.660+/-396.908 χ^2/NDF: 69.1/56

- sign -1505.267+/-562.953 χ^2/NDF: 20.0/28

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

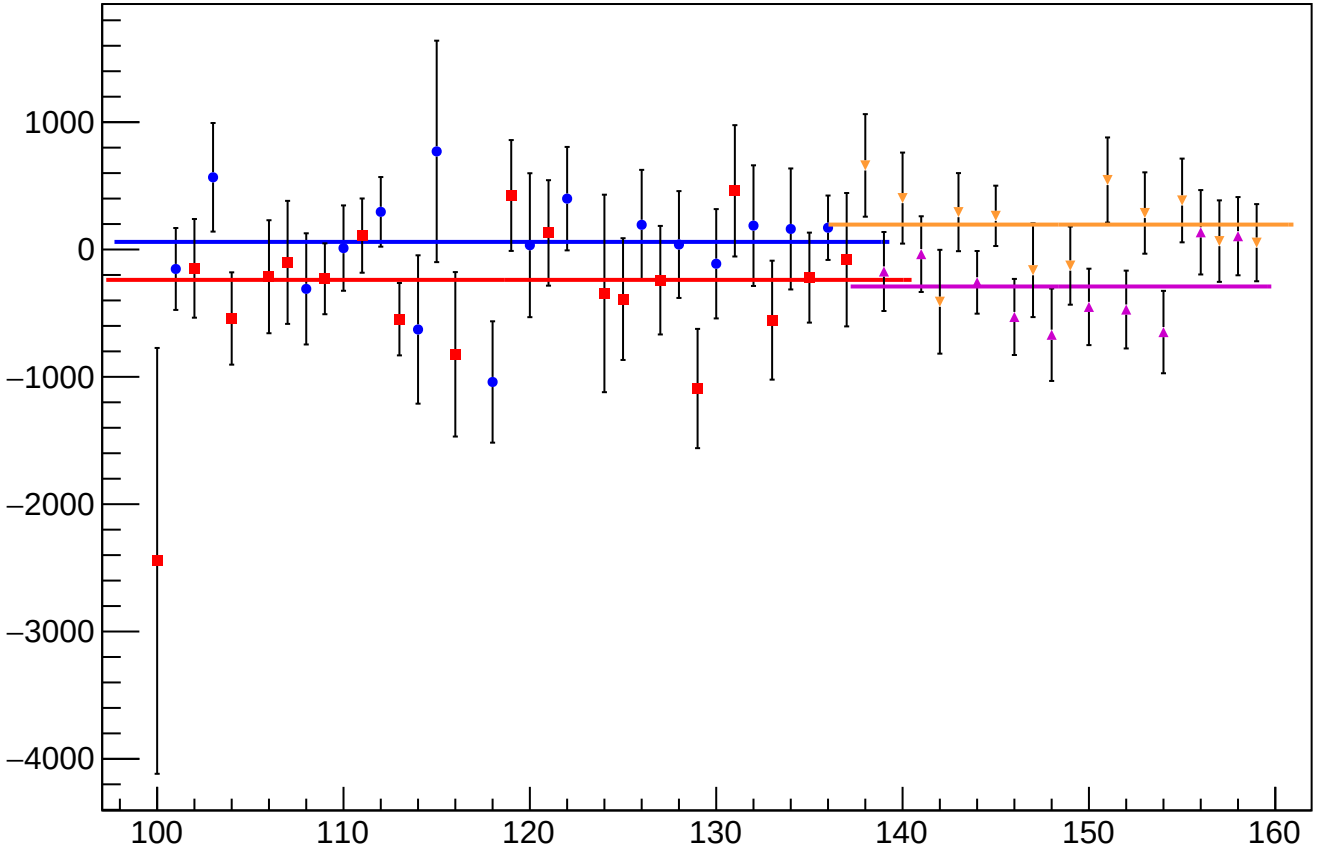
Left In: 2097.473+/-0.510 χ^2/NDF:349860.4/9

+ sign 2226.197+/-0.396 χ^2/NDF: 1672287.3/27

All: 2214.351+/-0.281 χ^2/NDF: 3209590.7/56

- sign 2202.365+/-0.398 χ^2/NDF: 1535500.8/28

eigen_dit_asym_sam4_mean vs Slug



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

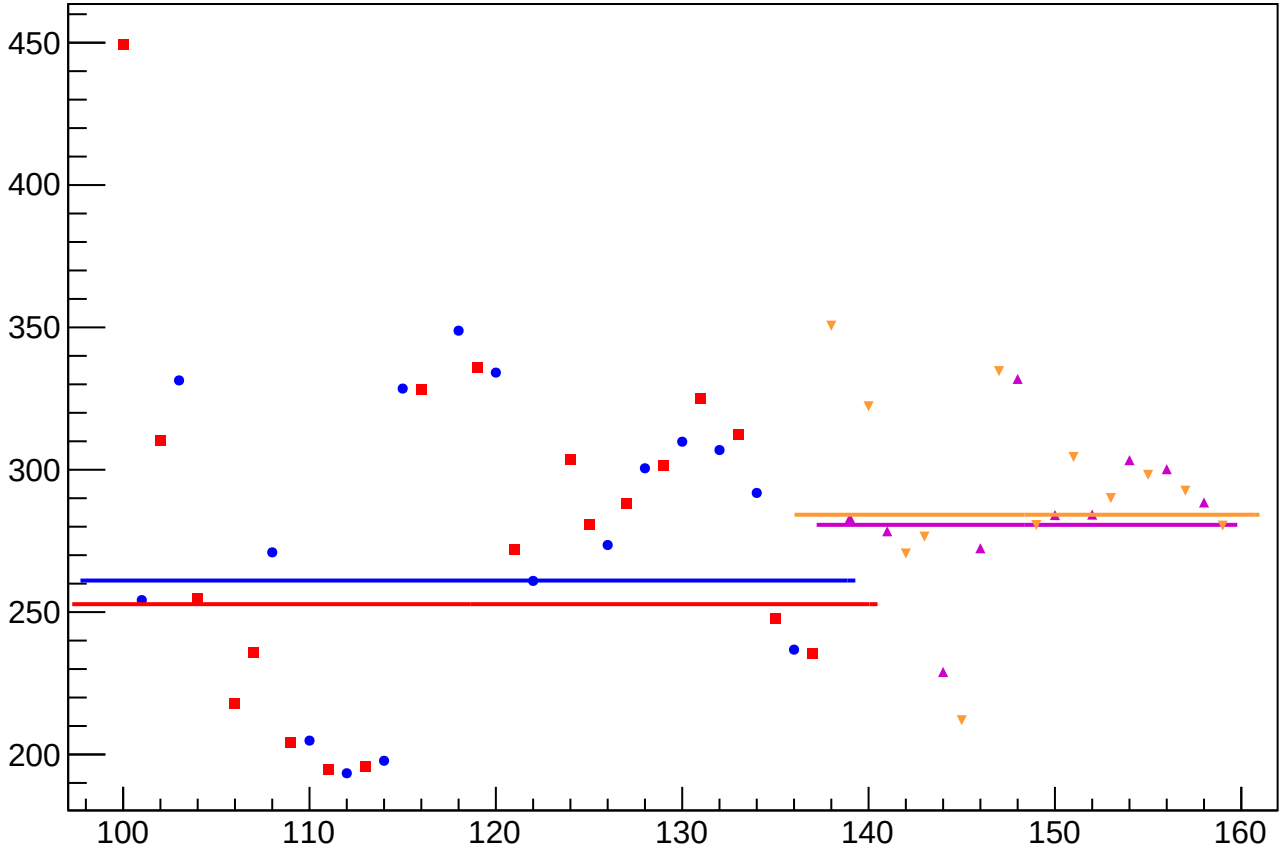
Left In: -290.427+/-96.181 χ^2/NDF:7.8/9

+ sign 131.963+/-67.938 χ^2/NDF: 21.0/27

All: -67.056+/-47.923 χ^2/NDF: 61.0/56

- sign -264.167+/-67.611 χ^2/NDF: 22.9/28

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

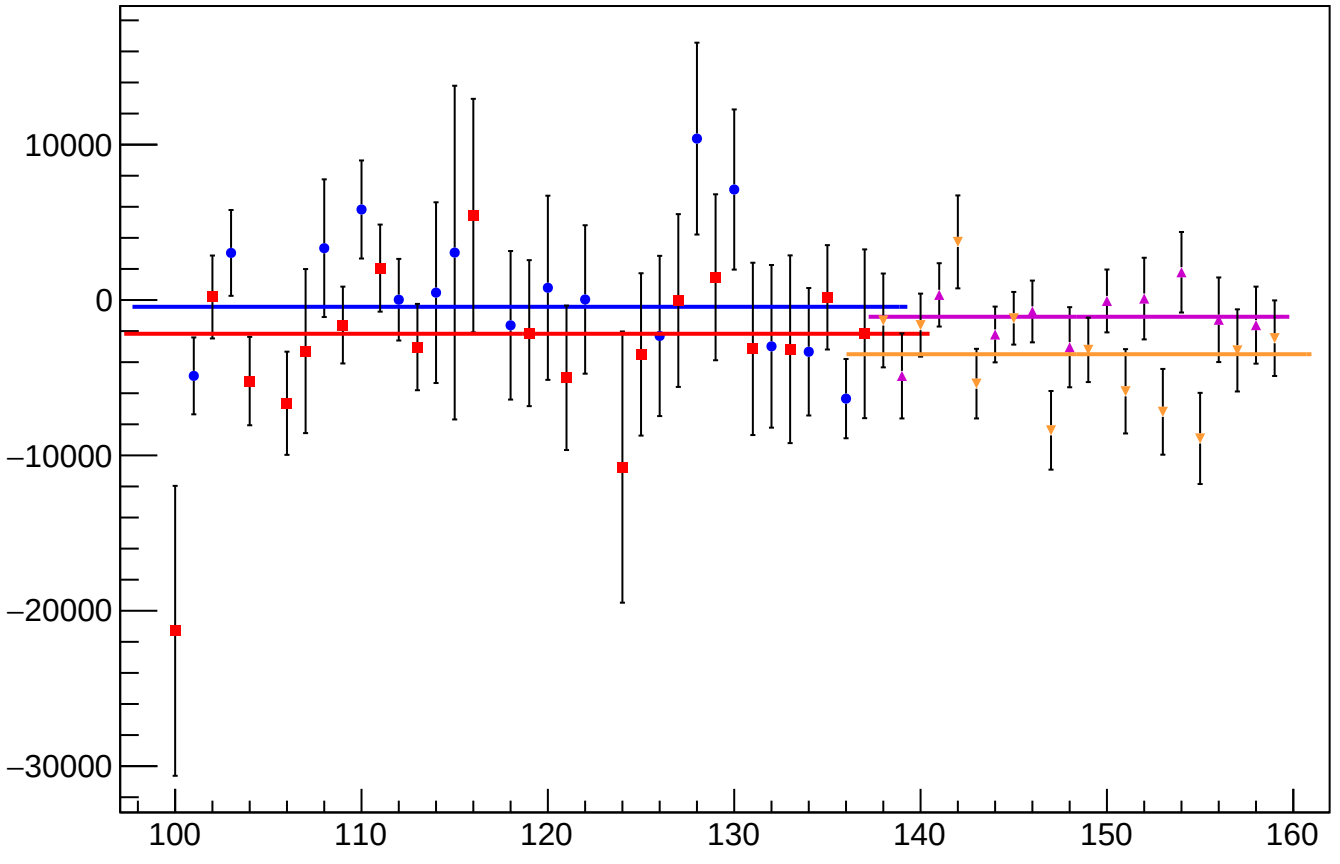
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 280.650+/-0.068 χ^2/NDF:148485.3/9

+ sign 273.369+/-0.048 χ^2/NDF: 837700.5/27

All: 269.946+/-0.034 χ^2/NDF: 1618490.4/56

- sign 266.555+/-0.048 χ^2/NDF: 770682.0/28



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

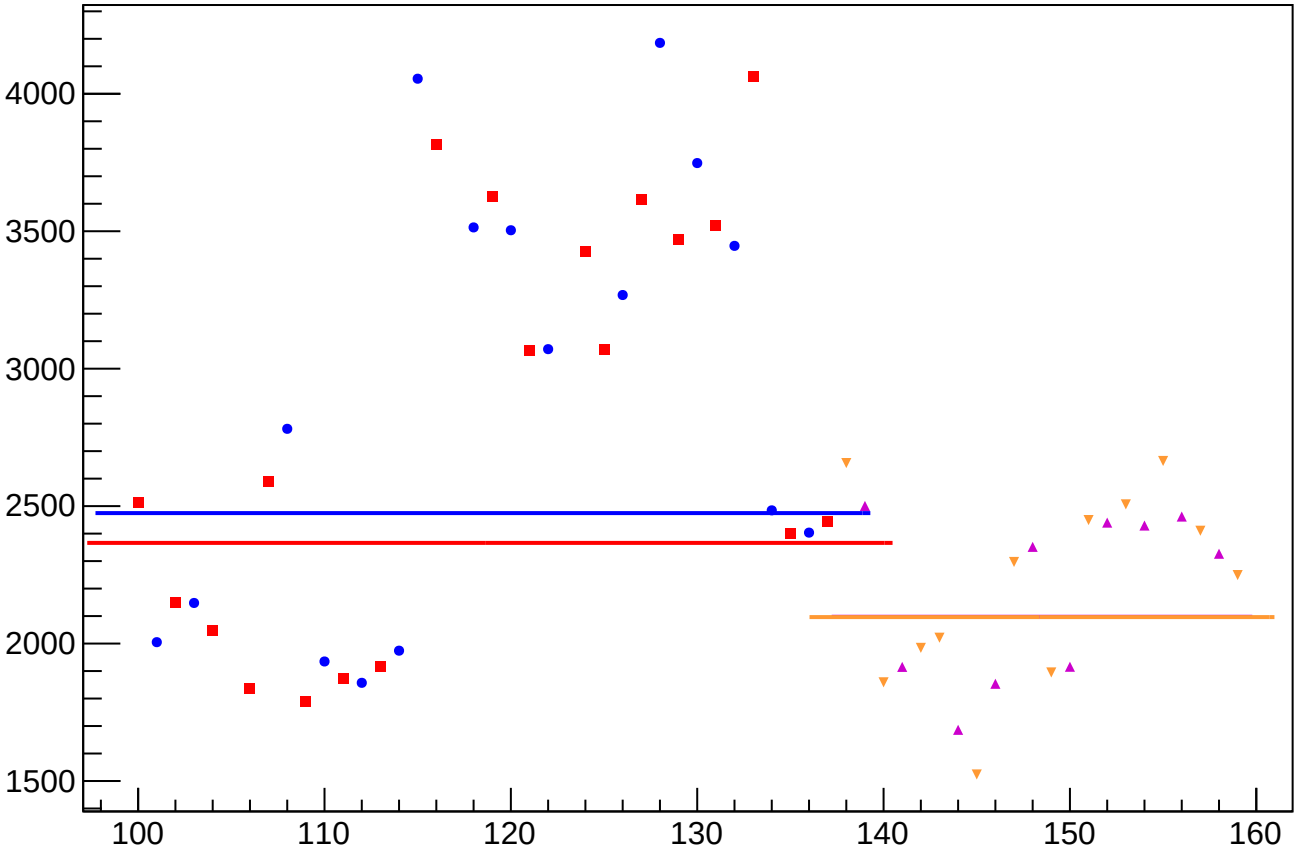
Left In: -1078.400+/-720.964 χ^2/NDF:5.2/9

\+ sign -2440.608+/-559.687 χ^2/NDF: 47.6/27

All: -1975.658+/-396.908 χ^2/NDF: 69.1/56

\- sign -1505.266+/-562.953 χ^2/NDF: 20.0/28

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

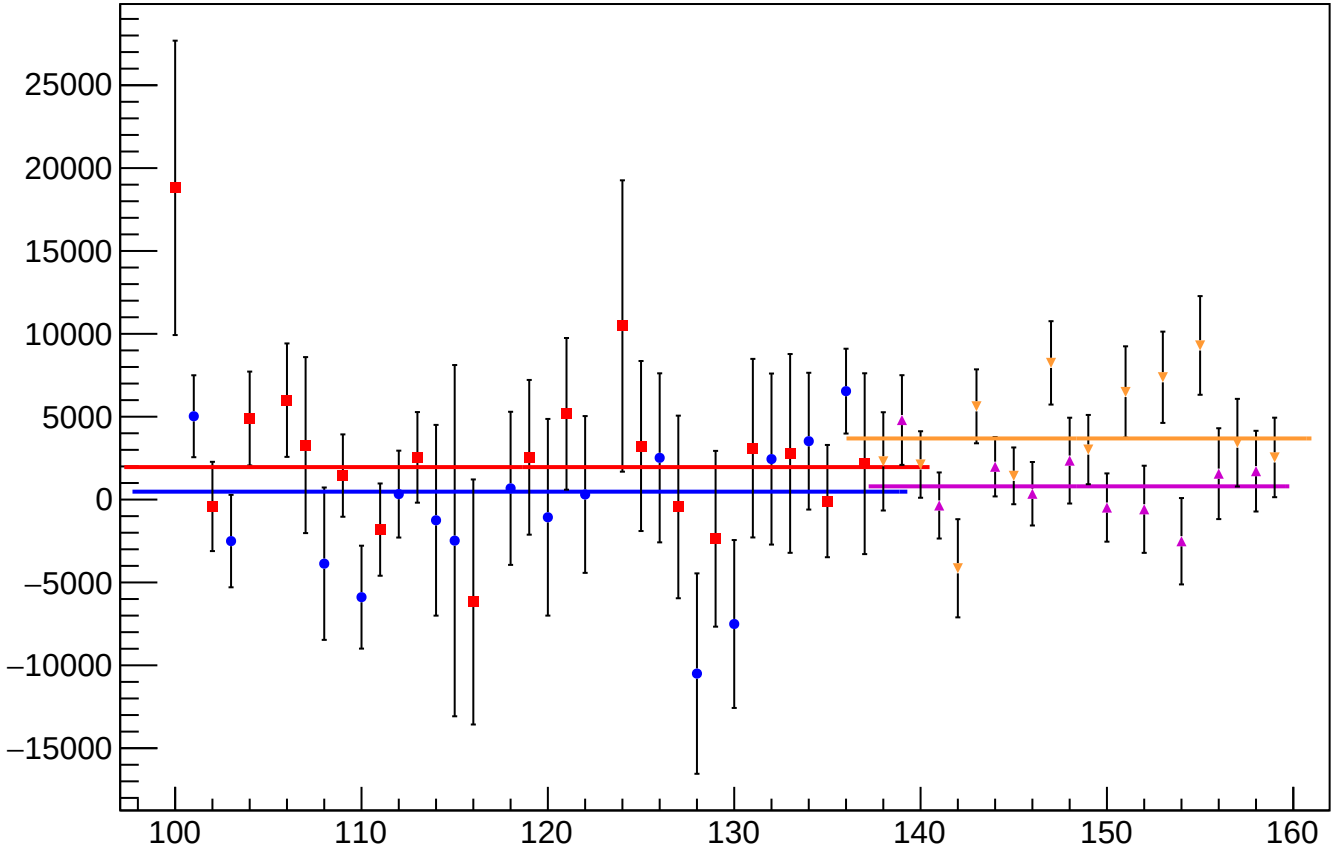
Left In: 2097.472+/-0.510 χ^2/NDF:349858.6/9

+ sign 2226.195+/-0.396 χ^2/NDF: 1672294.5/27

All: 2214.349+/-0.281 χ^2/NDF: 3209598.1/56

- sign 2202.364+/-0.398 χ^2/NDF: 1535501.1/28

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

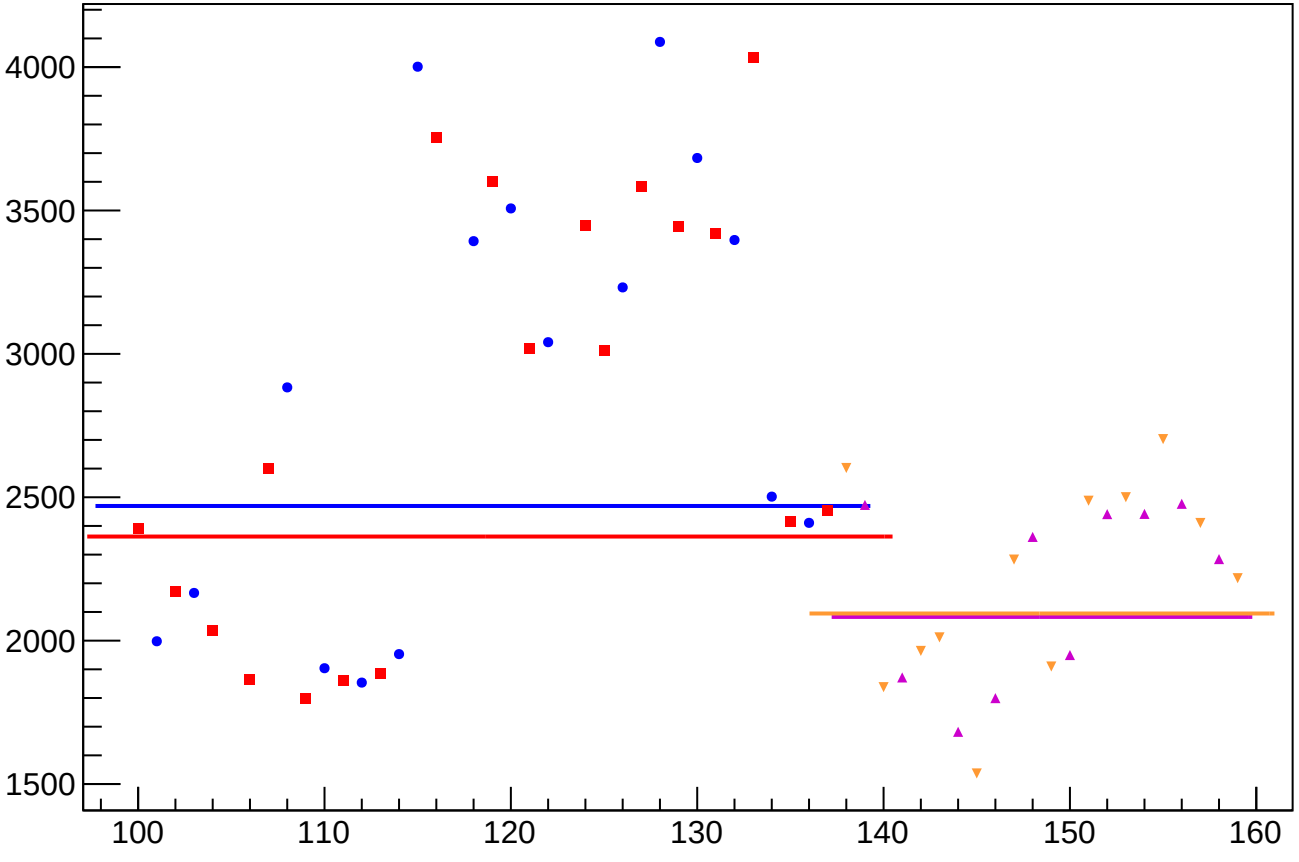
Left In: 798.888+/-715.971 χ^2/NDF:5.9/9

+ sign 2582.444+/-559.032 χ^2/NDF: 49.9/27

All: 1917.094+/-395.718 χ^2/NDF: 72.5/56

- sign 1248.893+/-560.229 χ^2/NDF: 19.7/28

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

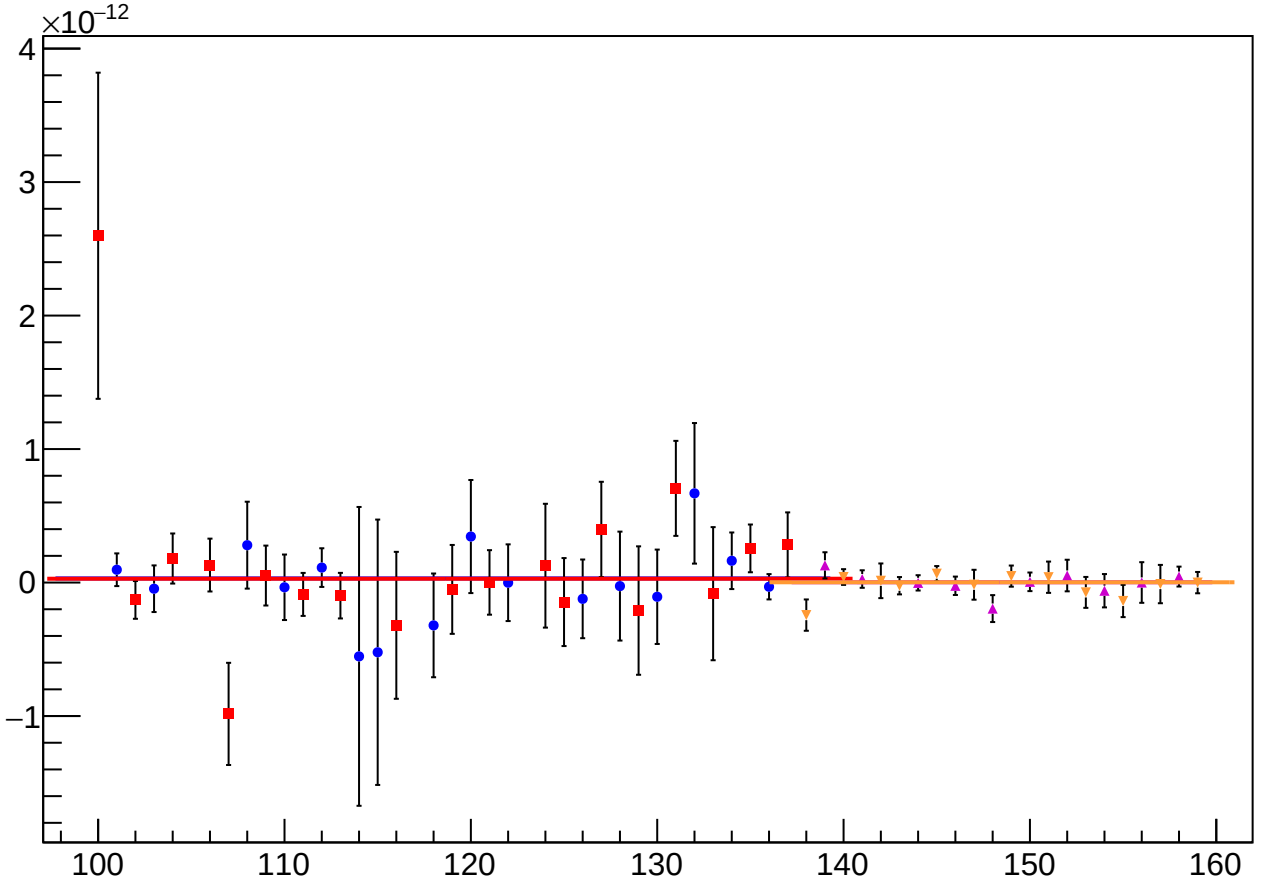
Left In: 2082.786+/-0.506 χ^2/NDF:369628.7/9

+ sign 2223.766+/-0.395 χ^2/NDF: 1627588.9/27

All: 2207.645+/-0.280 χ^2/NDF: 3162722.5/56

- sign 2191.455+/-0.396 χ^2/NDF: 1531800.1/28

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

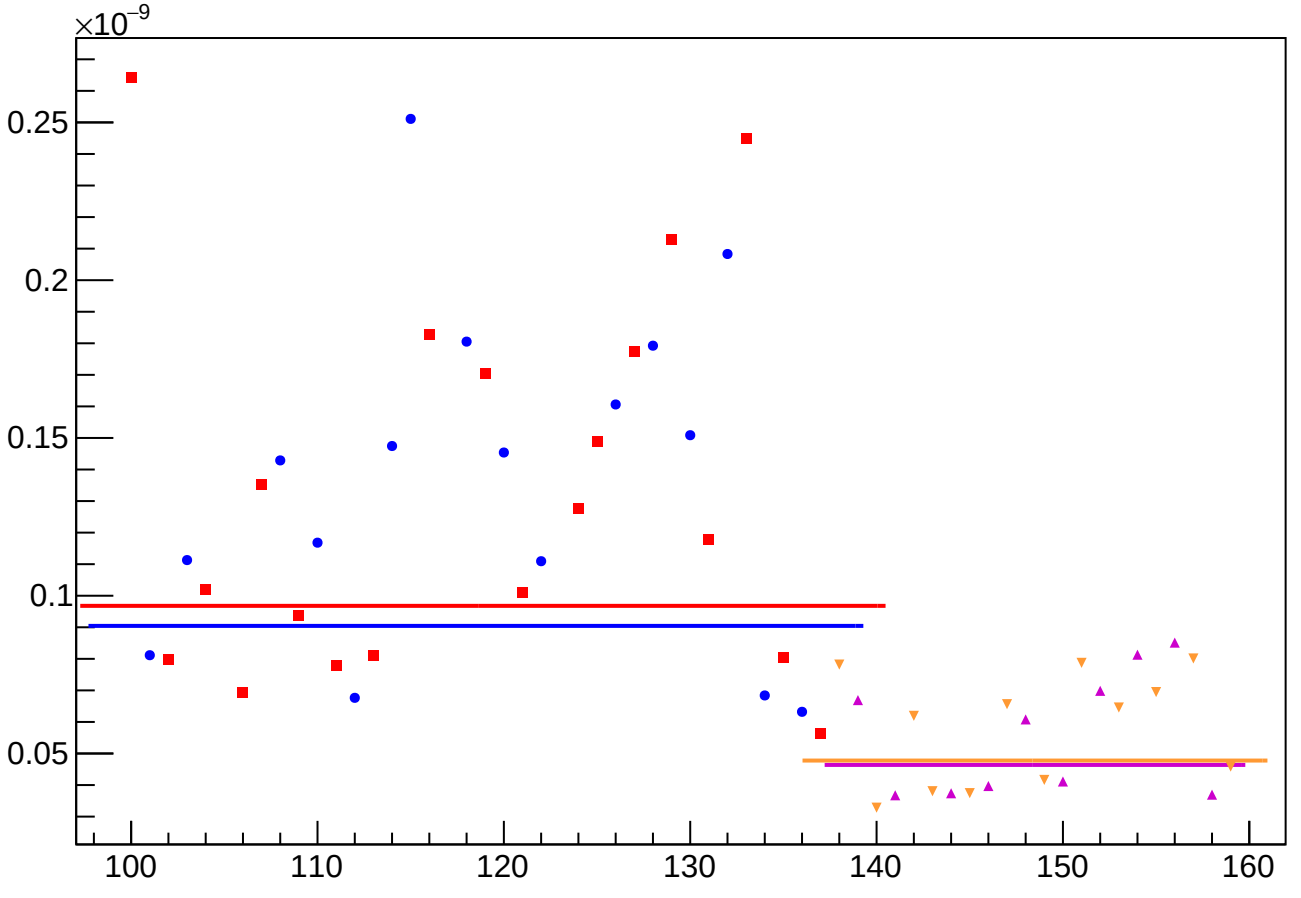
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 14.9/27

All: 0.000+/-0.000 χ^2/NDF: 44.8/56

- sign 0.000+/-0.000 χ^2/NDF: 29.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:808742.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

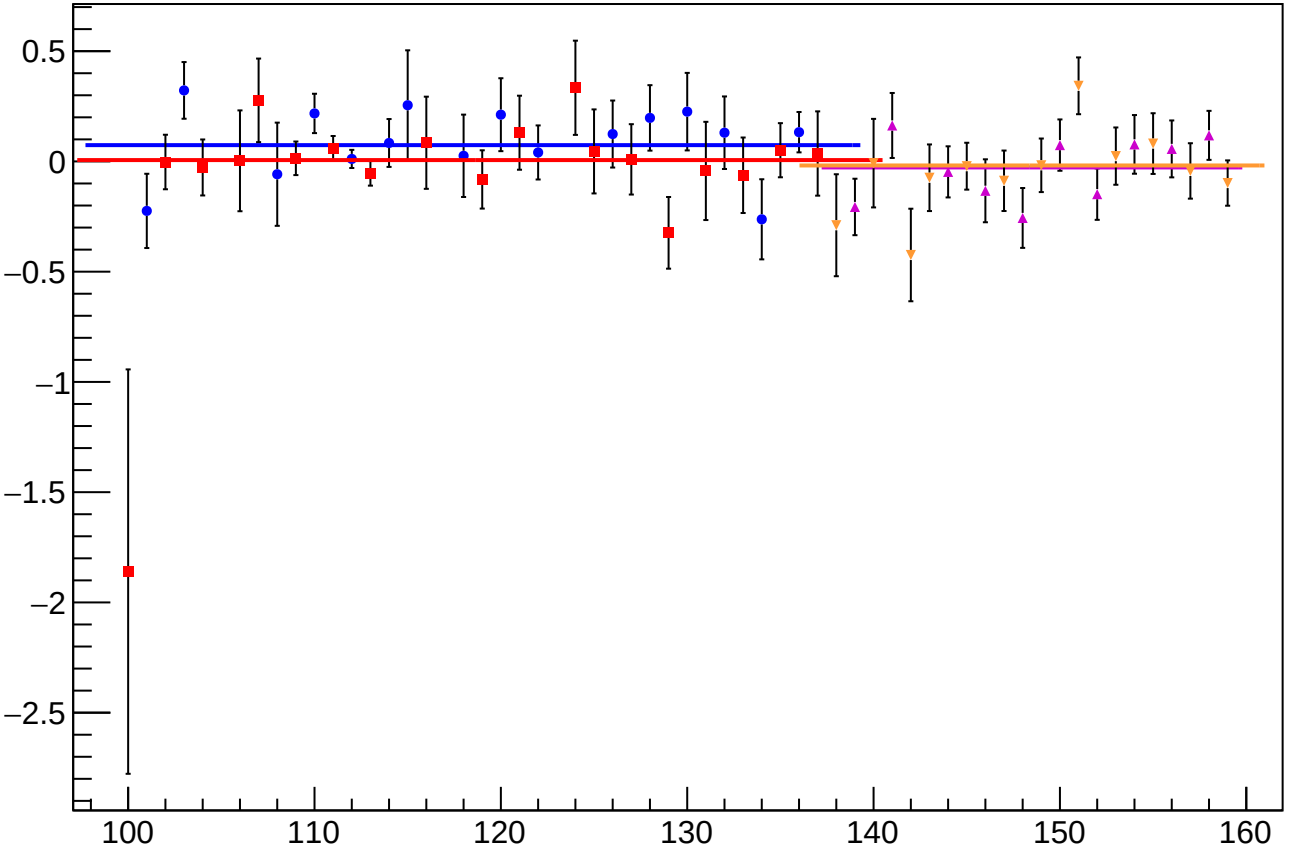
Left In: 0.000+/-0.000 χ^2/NDF:647777.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 2813335.8/27

All: 0.000+/-0.000 χ^2/NDF: 5654129.0/56

- sign 0.000+/-0.000 χ^2/NDF: 2840527.8/28

asym_sam4_dit_vs_cor_diff_mean vs Slug



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

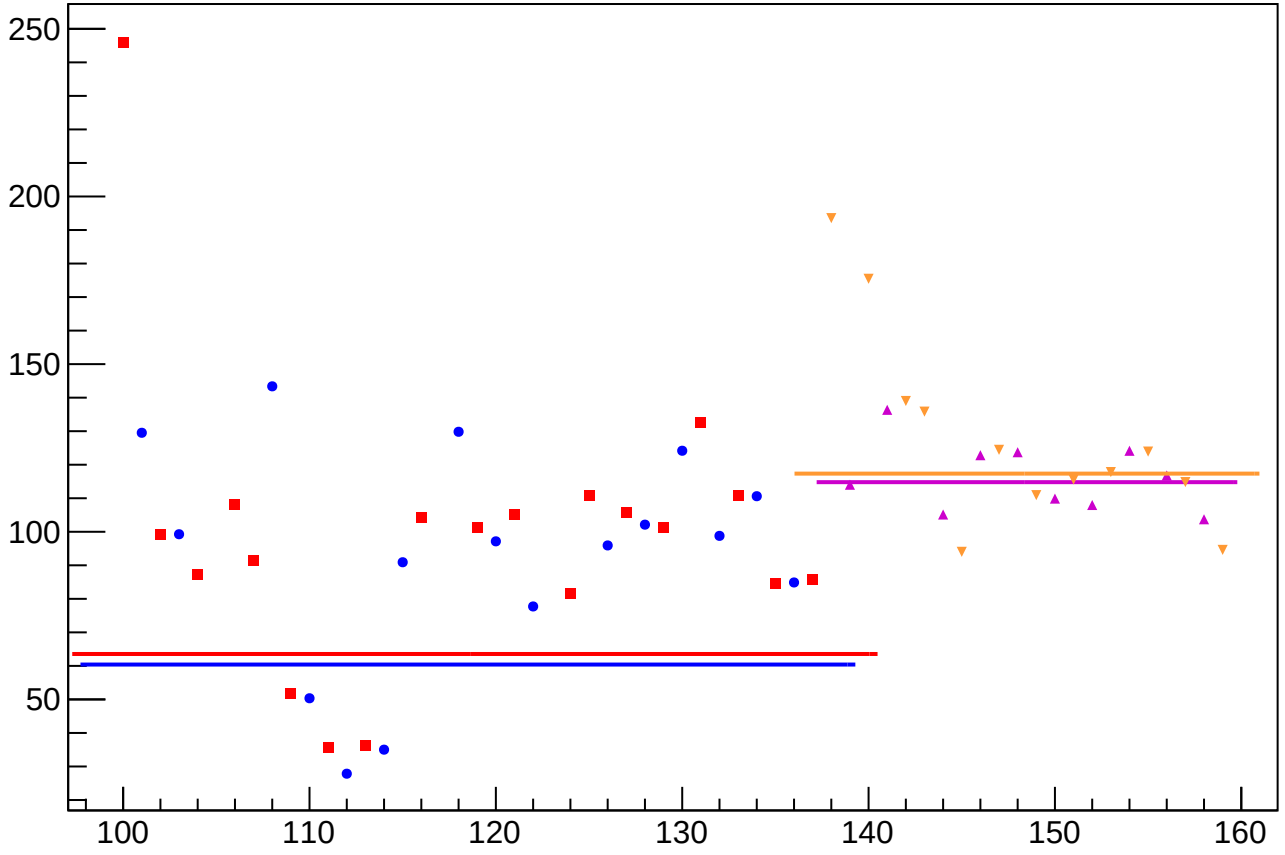
Left In: -0.027+/-0.040 χ^2/NDF:11.6/9

+ sign 0.044+/-0.022 χ^2/NDF: 37.4/27

All: 0.020+/-0.016 χ^2/NDF: 68.3/56

- sign -0.004+/-0.022 χ^2/NDF: 28.5/28

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

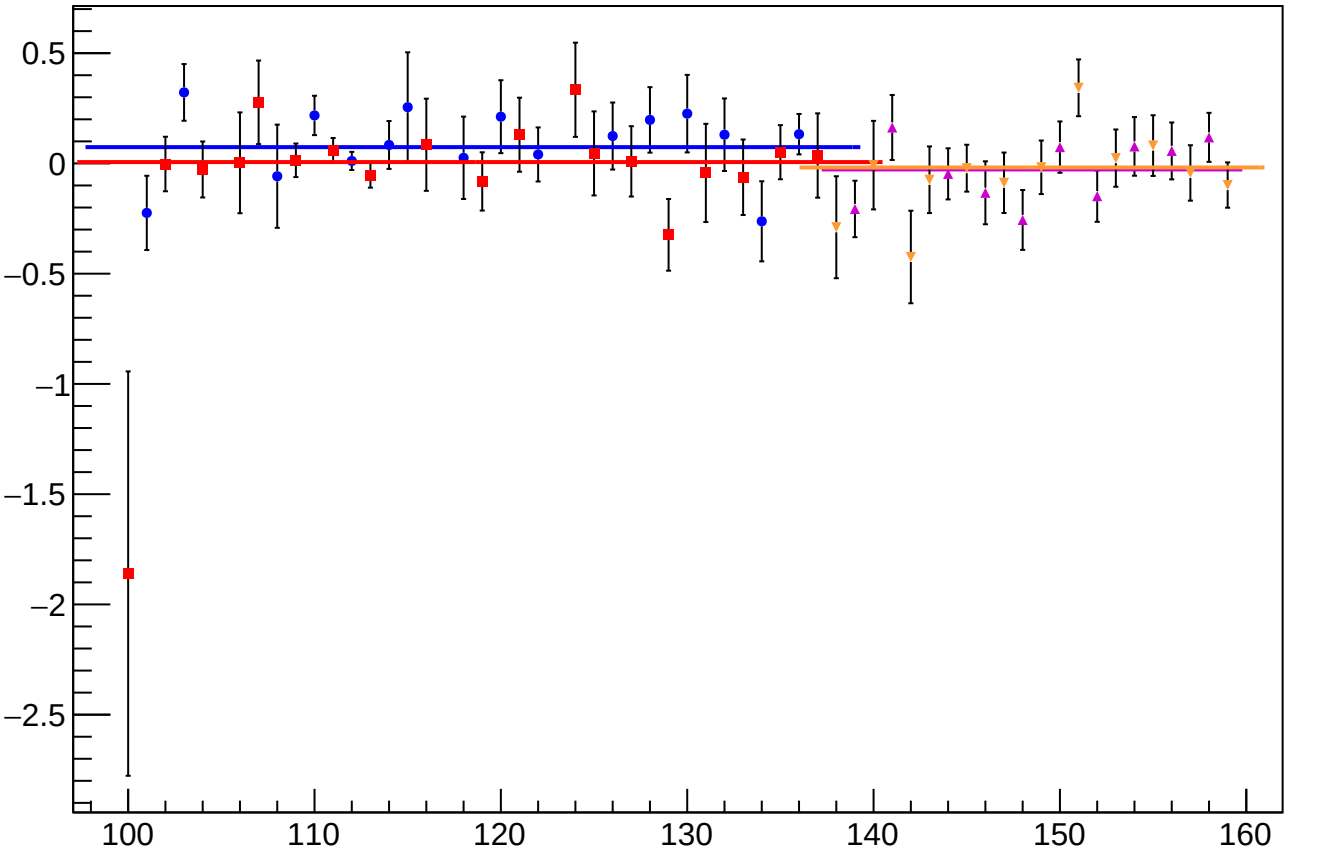
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.797+/-0.028 χ^2/NDF:112366.8/9

+ sign 78.716+/-0.016 χ^2/NDF: 7043892.1/27

All: 79.127+/-0.011 χ^2/NDF: 12088001.1/56

- sign 79.539+/-0.016 χ^2/NDF: 5042743.3/28



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

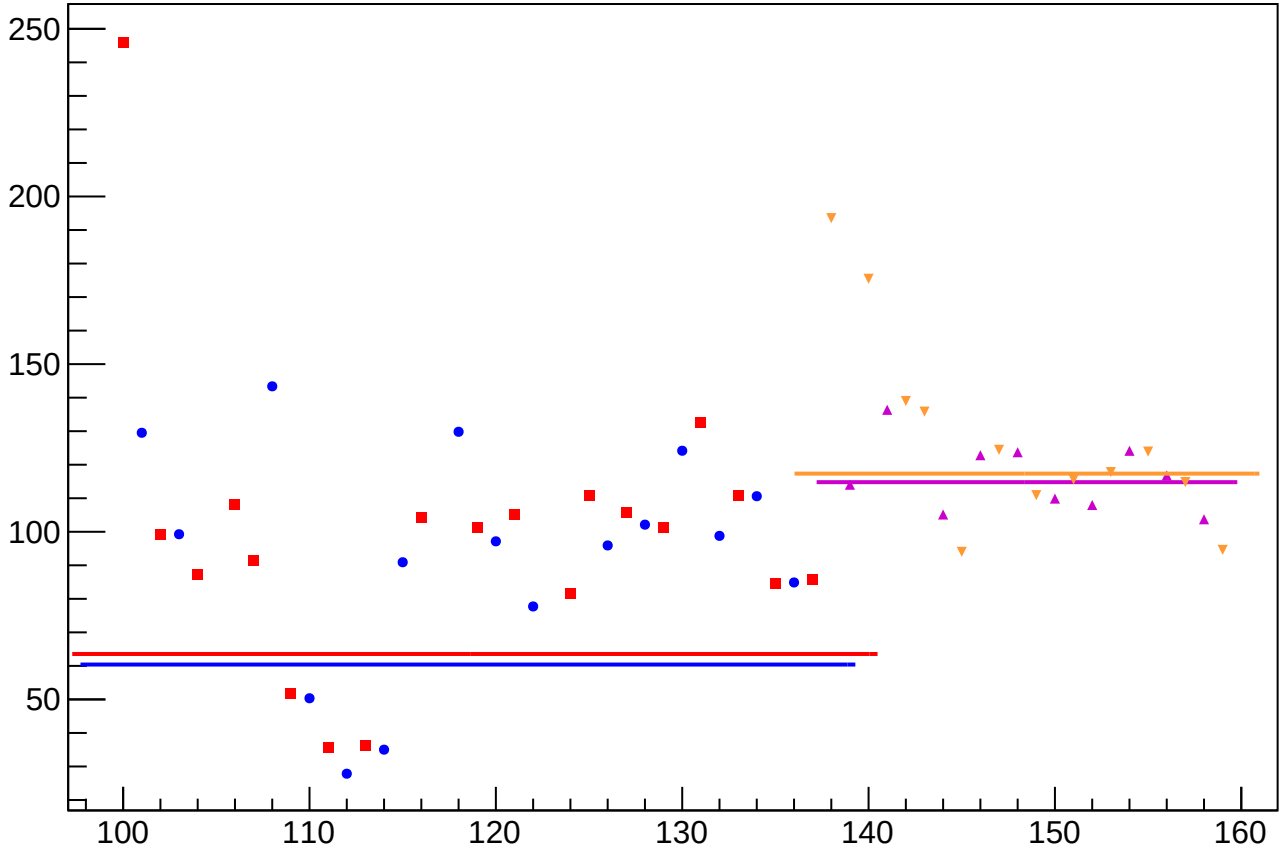
Left In: -0.027+/-0.040 χ^2/NDF:11.6/9

+ sign 0.044+/-0.022 χ^2/NDF: 37.4/27

All: 0.020+/-0.016 χ^2/NDF: 68.3/56

- sign -0.004+/-0.022 χ^2/NDF: 28.5/28

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

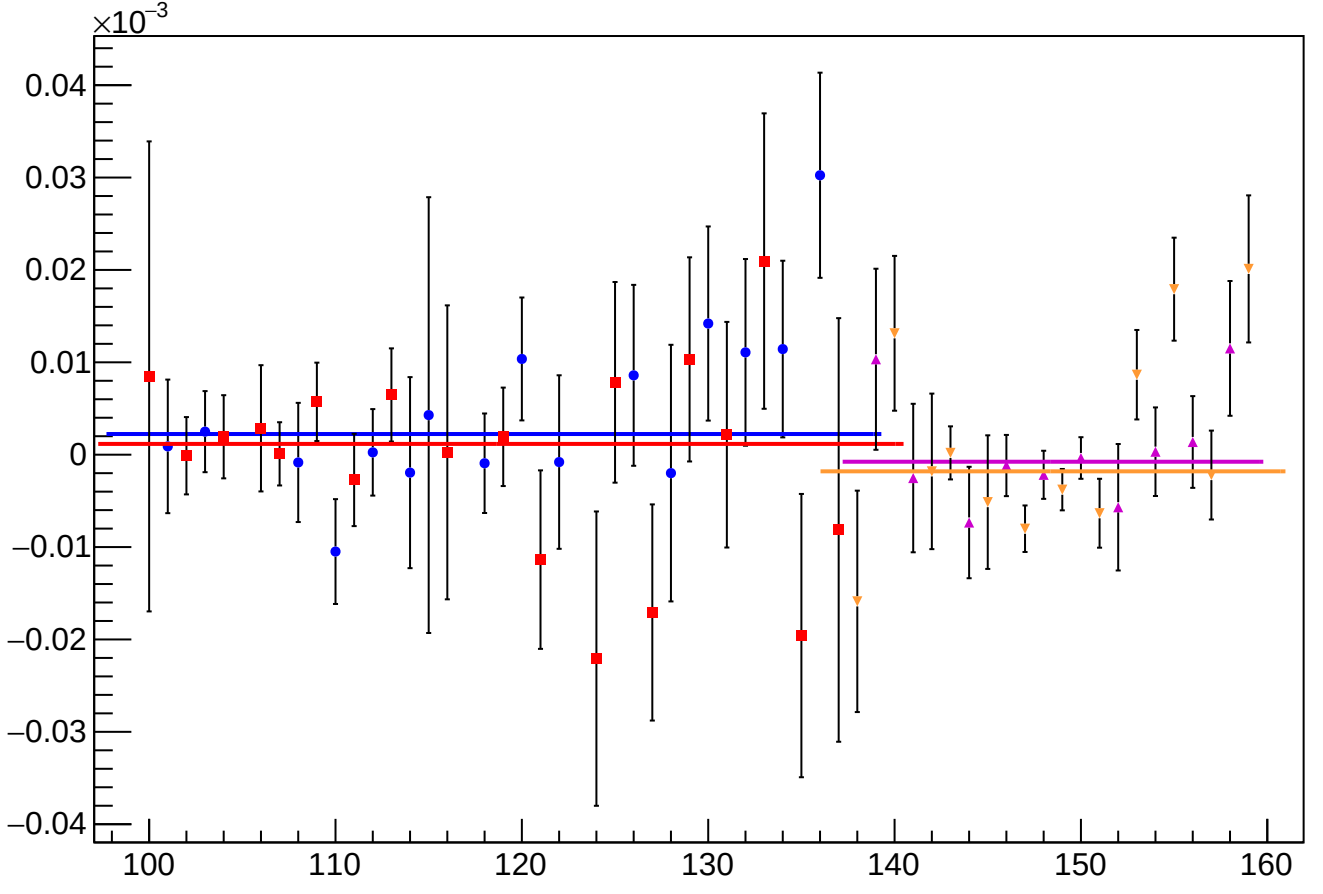
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.797+/-0.028 χ^2/NDF:112366.8/9

+ sign 78.716+/-0.016 χ^2/NDF: 7043892.1/27

All: 79.127+/-0.011 χ^2/NDF: 12088001.1/56

- sign 79.539+/-0.016 χ^2/NDF: 5042743.3/28



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

Left Out: -0.000+/-0.000 χ^2/NDF:38.4/11

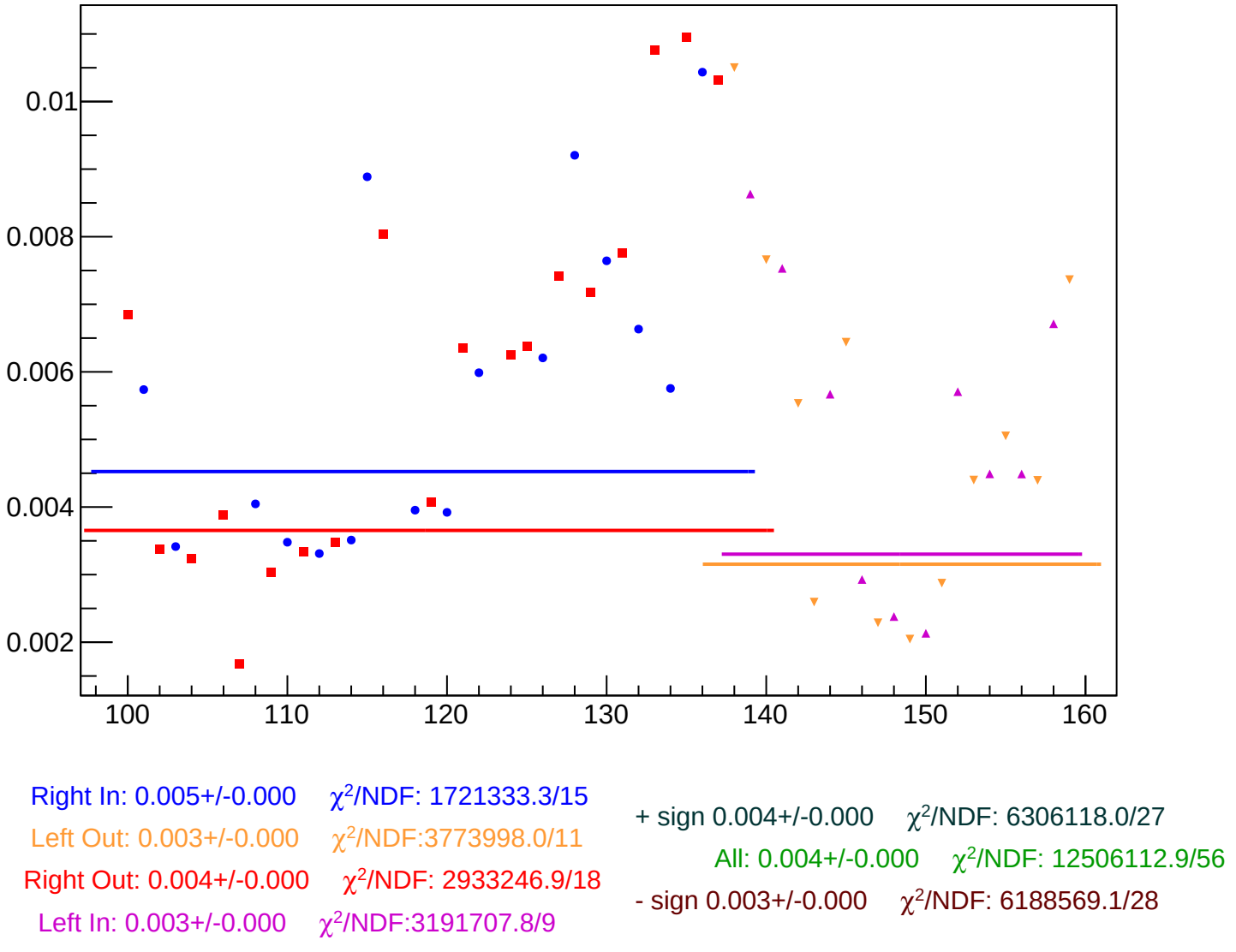
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

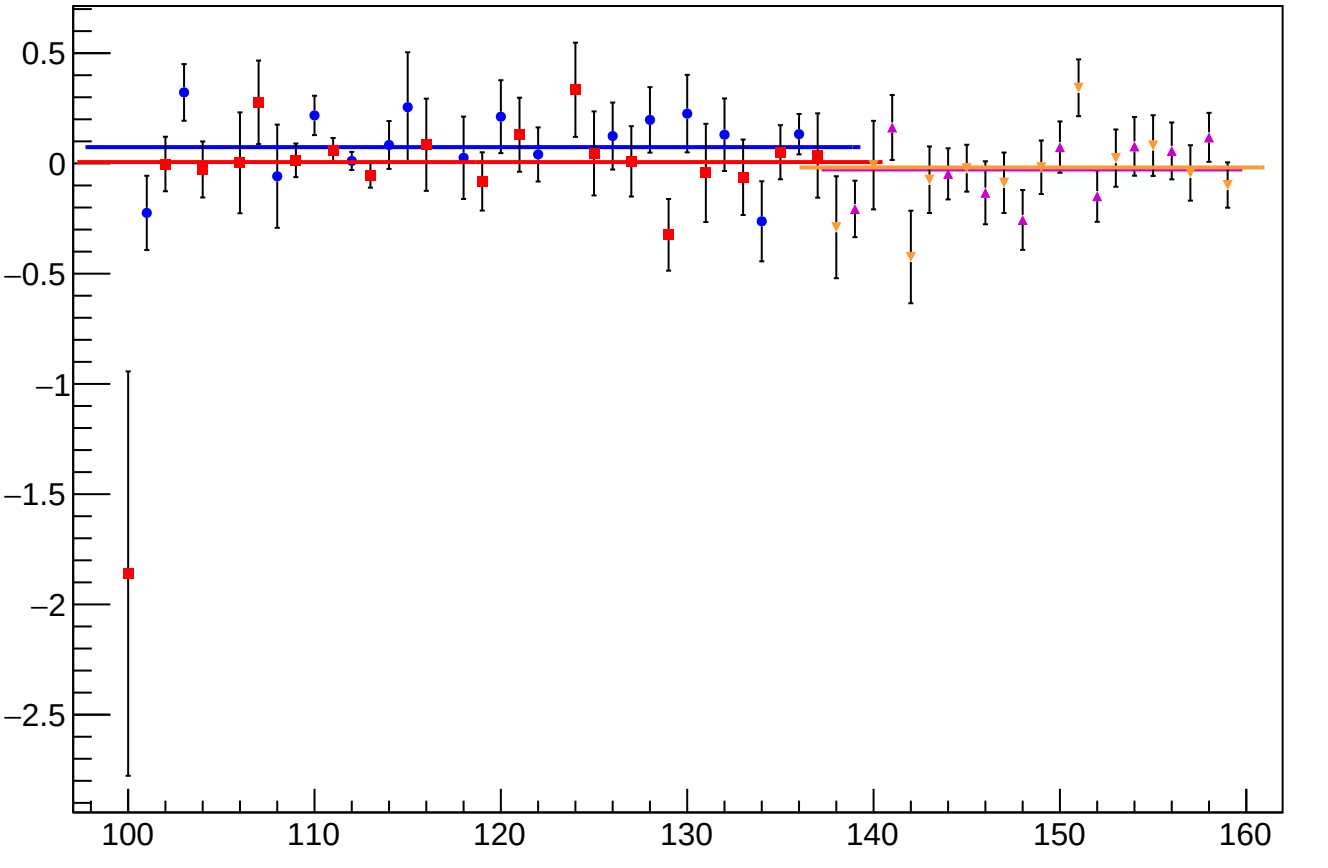
Left In: -0.000+/-0.000 χ^2/NDF:6.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 59.3/27

All: -0.000+/-0.000 χ^2/NDF: 81.1/56

- sign 0.000+/-0.000 χ^2/NDF: 21.5/28


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:3191707.8/9
+ sign 0.004+/-0.000 χ²/NDF: 6306118.0/27
All: 0.004+/-0.000 χ²/NDF: 12506112.9/56
- sign 0.003+/-0.000 χ²/NDF: 6188569.1/28



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

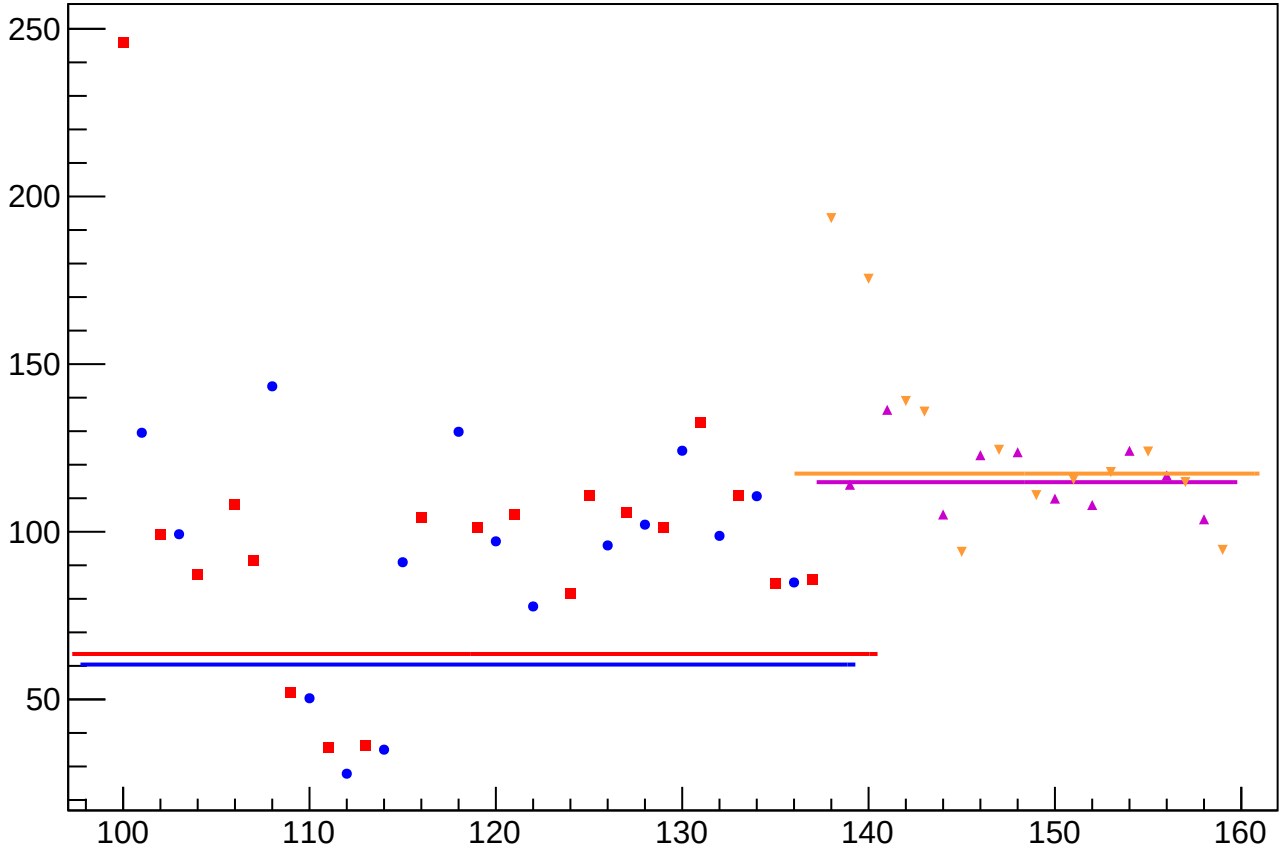
Left In: -0.027+/-0.040 χ^2/NDF:11.7/9

+ sign 0.044+/-0.022 χ^2/NDF: 37.4/27

All: 0.020+/-0.016 χ^2/NDF: 68.3/56

- sign -0.004+/-0.022 χ^2/NDF: 28.5/28

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

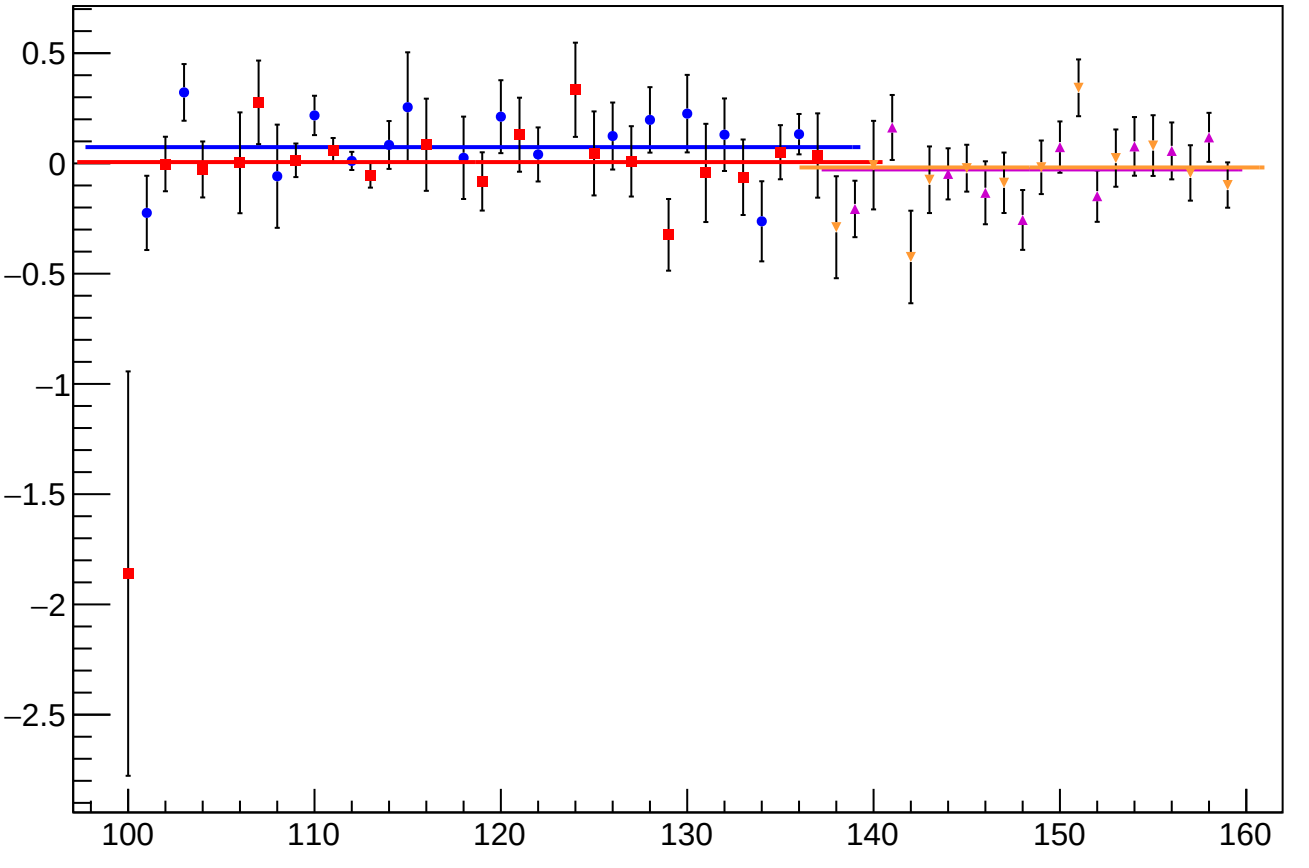
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.798+/-0.028 χ^2/NDF:112365.4/9

+ sign 78.714+/-0.016 χ^2/NDF: 7044470.5/27

All: 79.126+/-0.011 χ^2/NDF: 12089113.1/56

- sign 79.537+/-0.016 χ^2/NDF: 5043275.7/28



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.039 χ^2/NDF:14.6/11

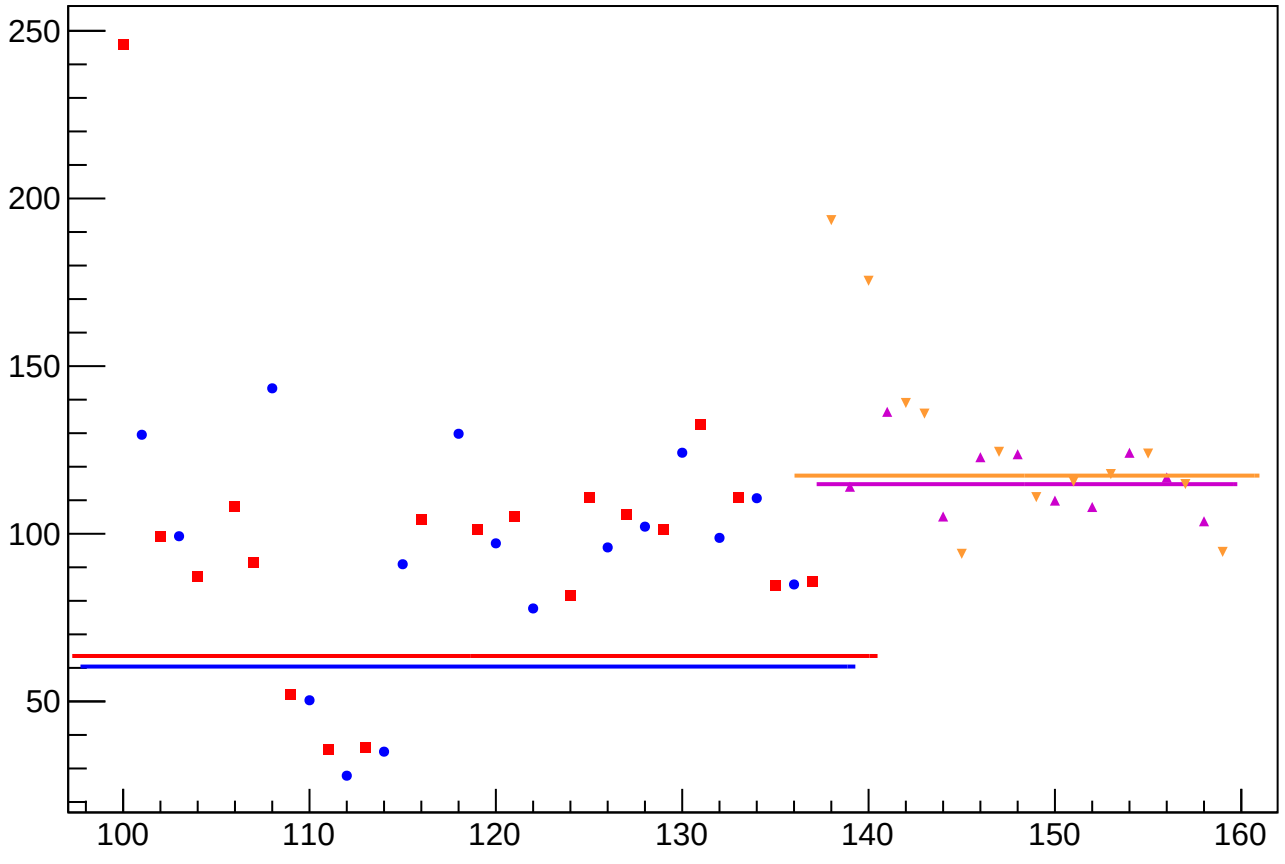
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.027+/-0.040 χ^2/NDF:11.7/9

+ sign 0.044+/-0.022 χ^2/NDF: 37.4/27

All: 0.020+/-0.016 χ^2/NDF: 68.3/56

- sign -0.004+/-0.022 χ^2/NDF: 28.5/28



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.348+/-0.028 χ^2/NDF:646912.7/11

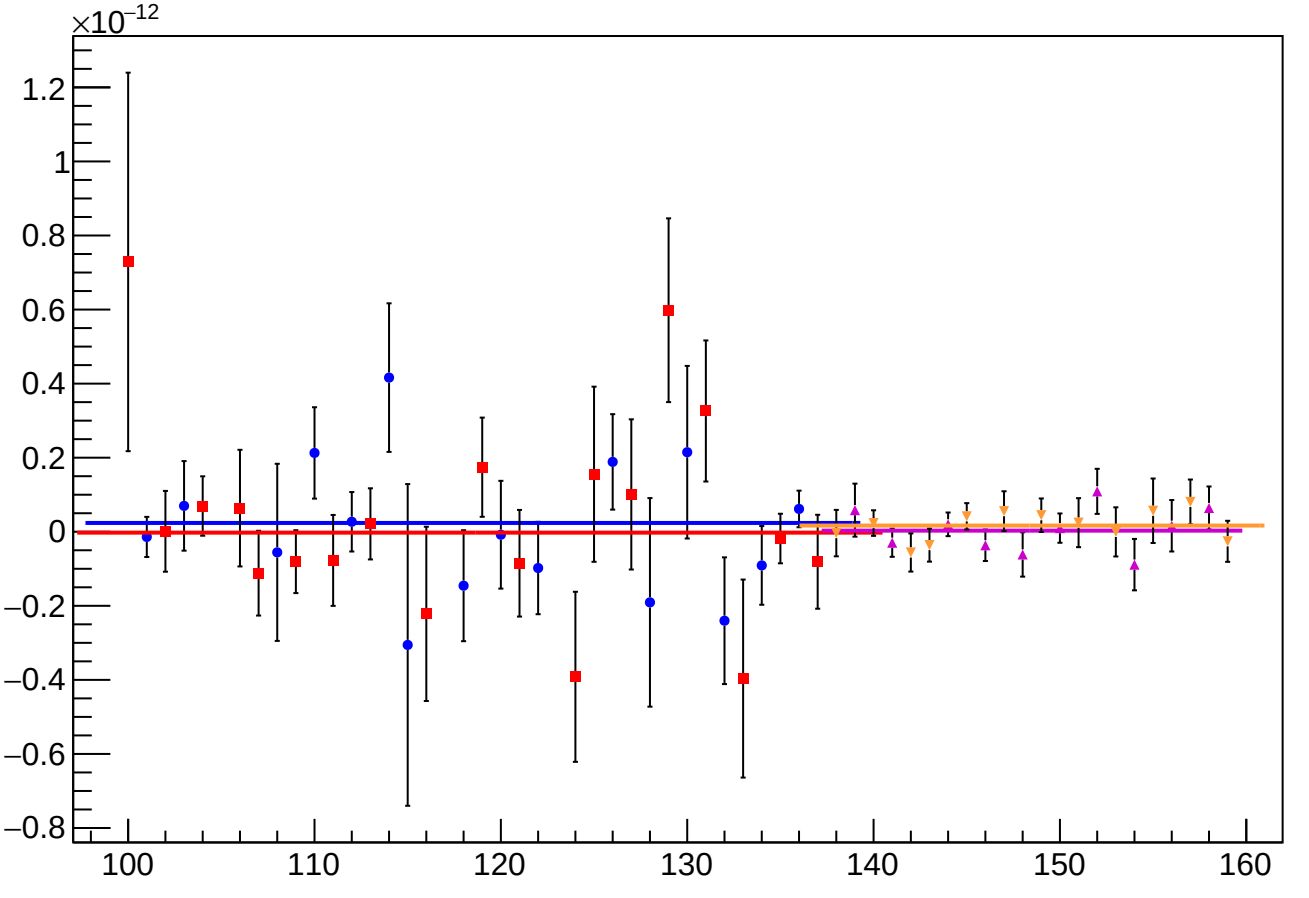
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.798+/-0.028 χ^2/NDF:112365.4/9

+ sign 78.714+/-0.016 χ^2/NDF: 7044470.5/27

All: 79.126+/-0.011 χ^2/NDF: 12089113.1/56

- sign 79.537+/-0.016 χ^2/NDF: 5043275.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

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

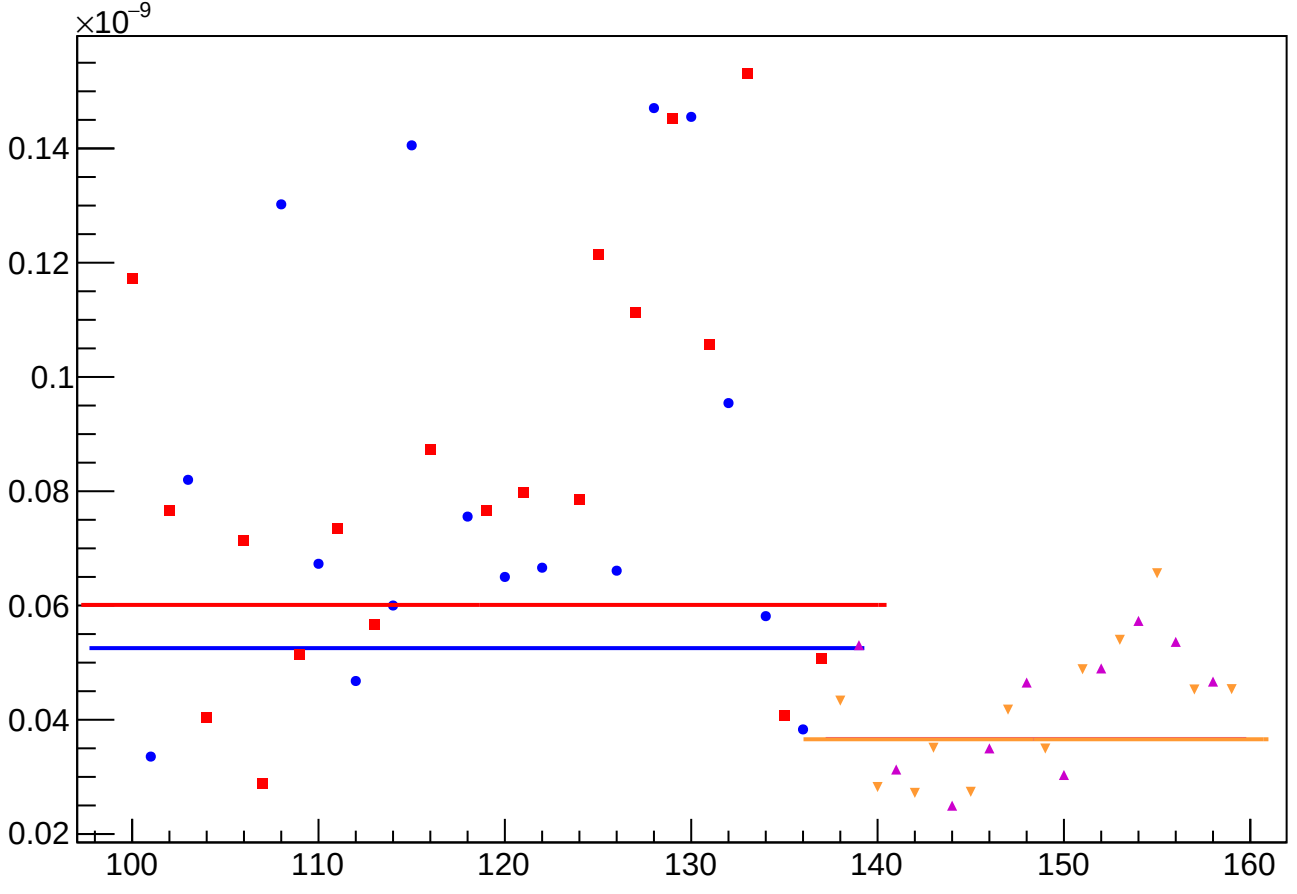
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/27

All: 0.000+/-0.000 χ^2/NDF: 57.4/56

- sign 0.000+/-0.000 χ^2/NDF: 32.8/28



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

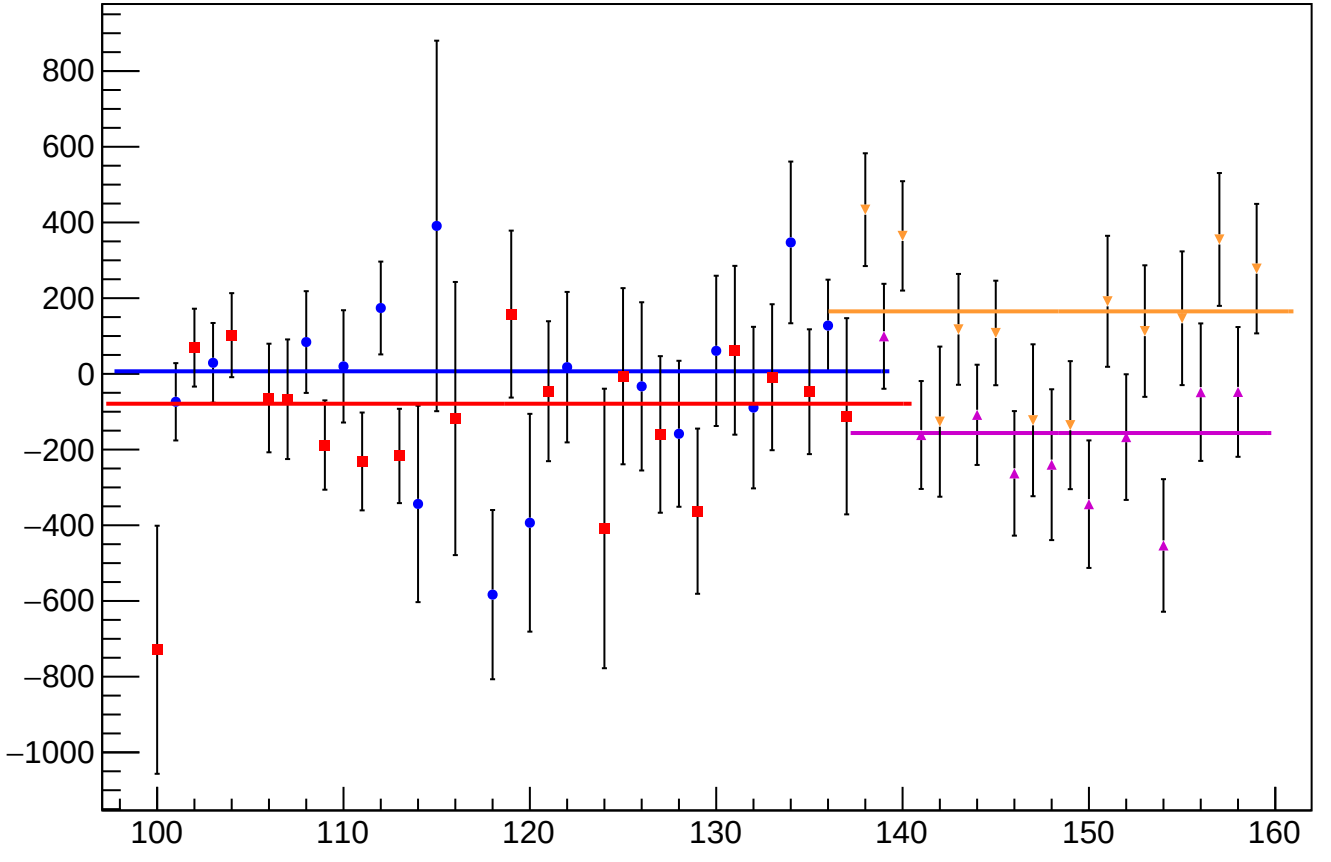
Left In: 0.000+/-0.000 χ^2/NDF:959393.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 3101195.2/27

All: 0.000+/-0.000 χ^2/NDF: 6645565.4/56

- sign 0.000+/-0.000 χ^2/NDF: 3532478.9/28

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

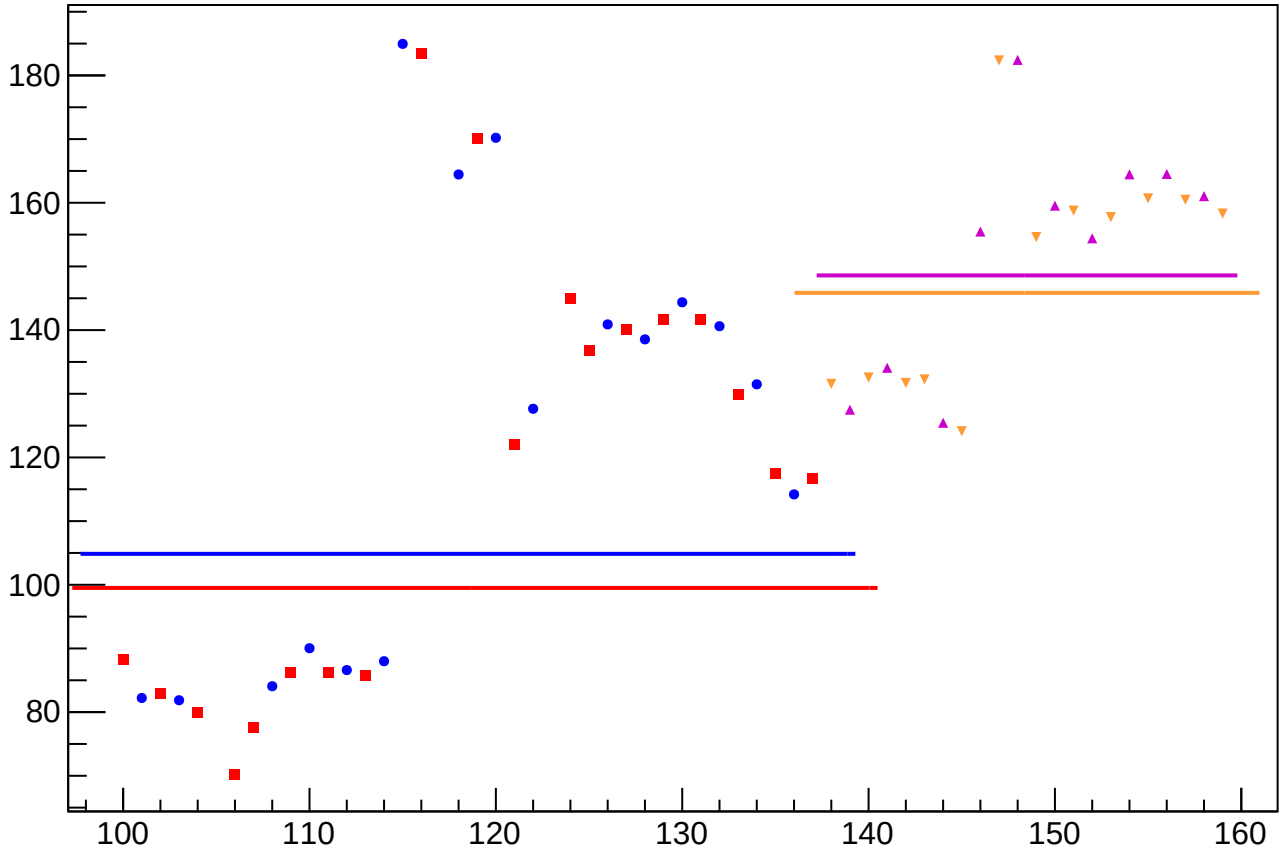
Left In: -156.265+/-50.711 χ^2/NDF:9.0/9

+ sign 73.106+/-30.765 χ^2/NDF: 39.8/27

All: -17.946+/-21.610 χ^2/NDF: 84.2/56

- sign -106.621+/-30.361 χ^2/NDF: 27.2/28

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

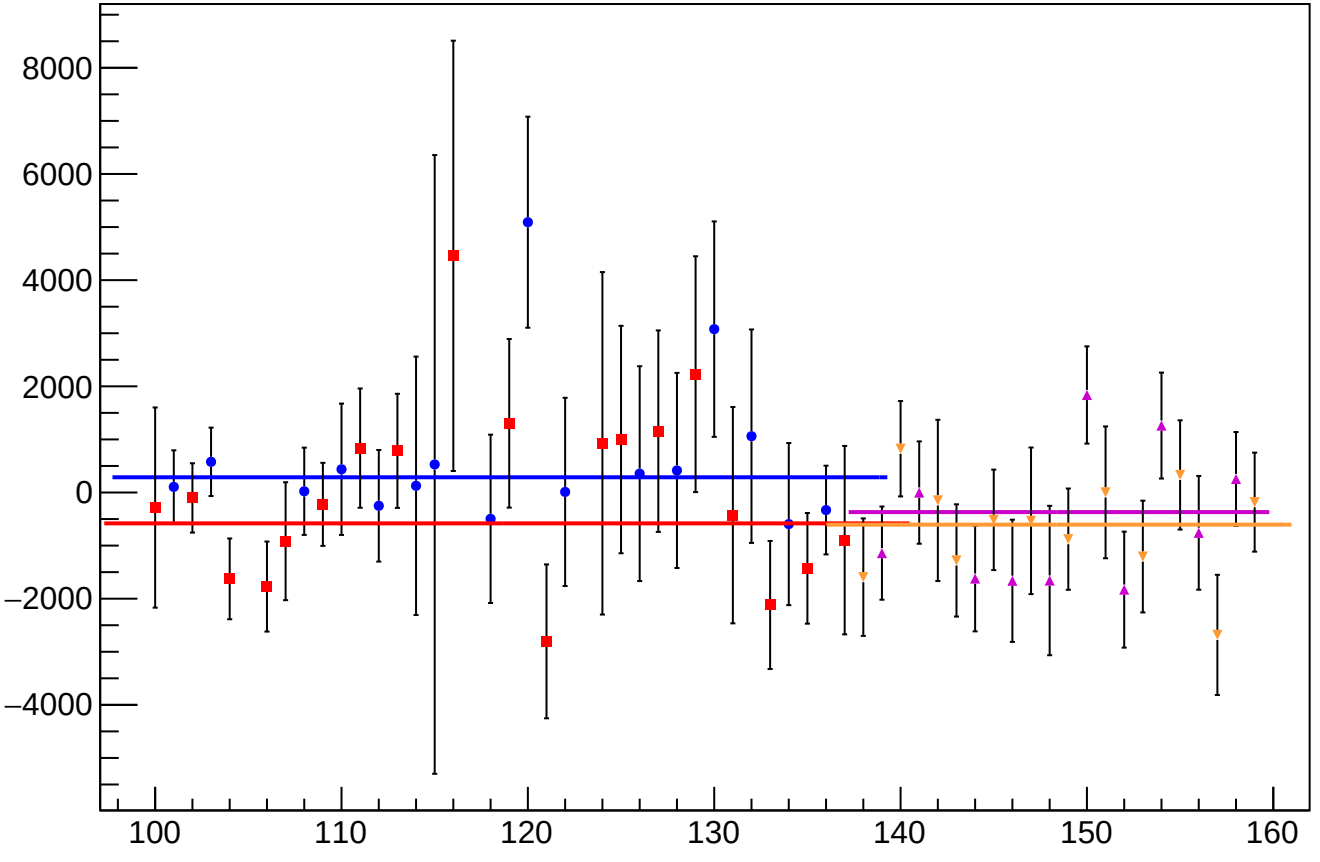
Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

+ sign 122.024+/-0.022 χ^2/NDF: 2038287.8/27

All: 119.530+/-0.015 χ^2/NDF: 4547787.6/56

- sign 117.101+/-0.021 χ^2/NDF: 2483549.7/28

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

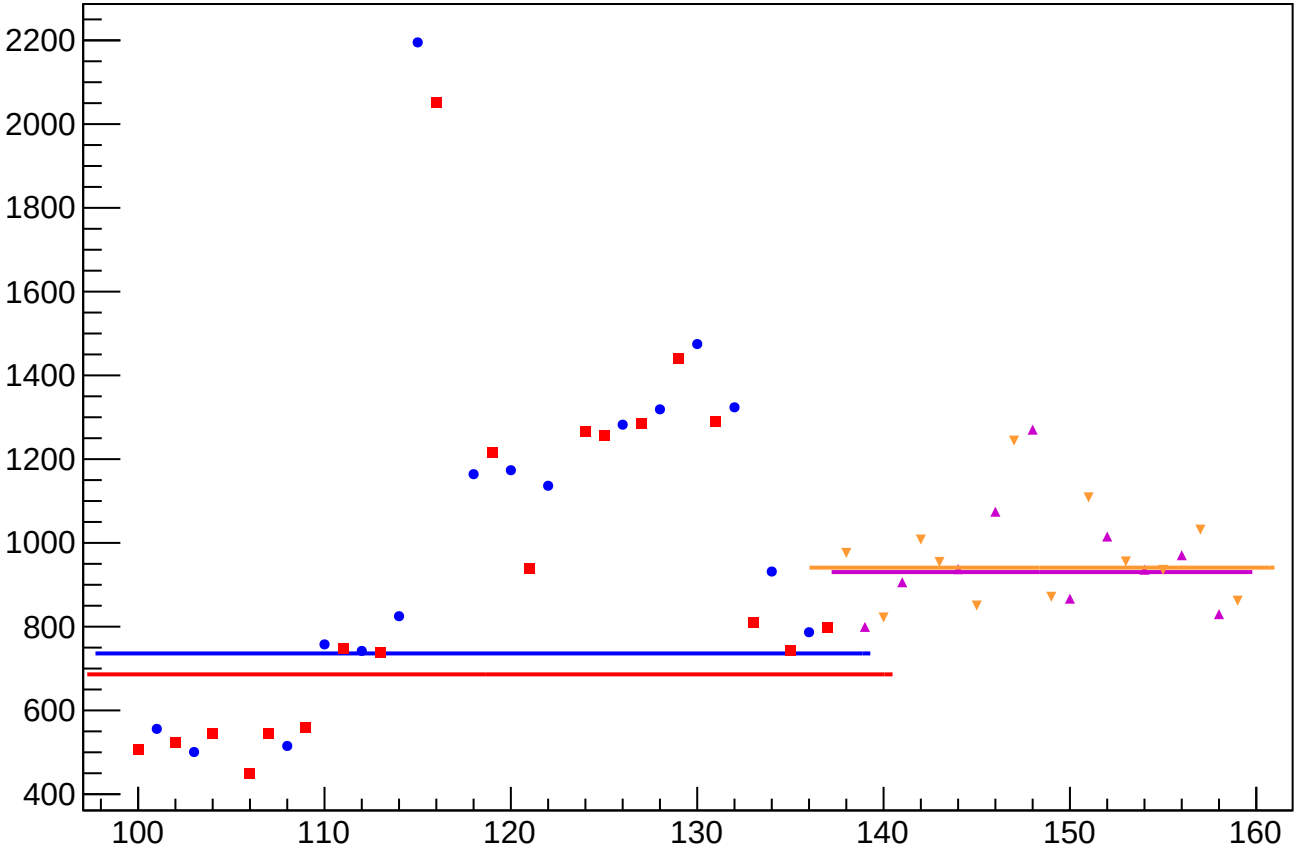
Left In: -368.970+/-318.996 χ^2/NDF:15.5/9

+ sign -137.806+/-212.432 χ^2/NDF: 23.0/27

All: -320.725+/-147.882 χ^2/NDF: 58.9/56

- sign -492.714+/-205.989 χ^2/NDF: 34.5/28

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

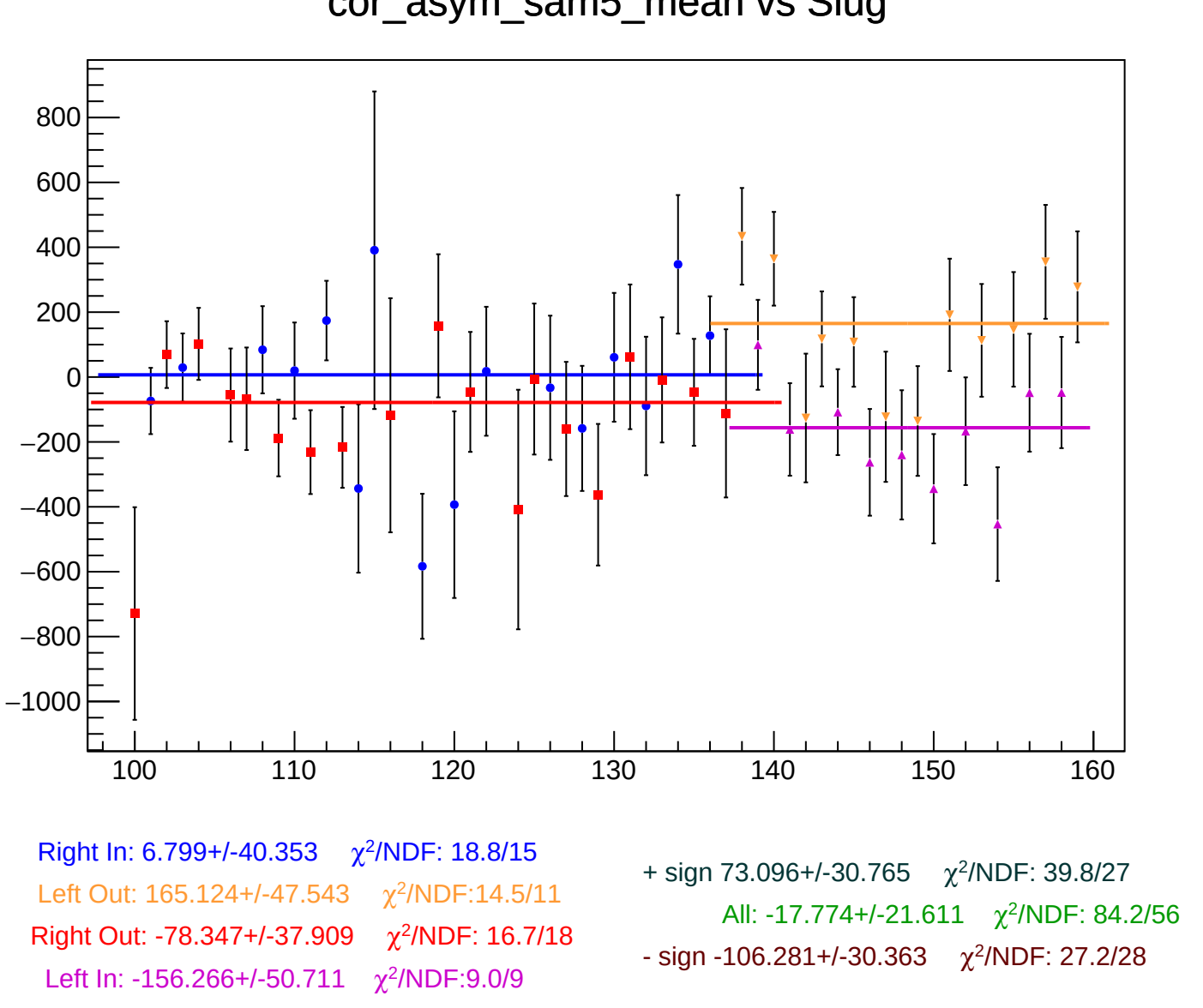
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 930.337+/-0.226 χ^2/NDF:244312.0/9

+ sign 833.624+/-0.150 χ^2/NDF: 2539542.8/27

All: 810.082+/-0.105 χ^2/NDF: 5334187.2/56

- sign 787.947+/-0.146 χ^2/NDF: 2746987.2/28


cor_asym_sam5_mean vs Slug
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−1000
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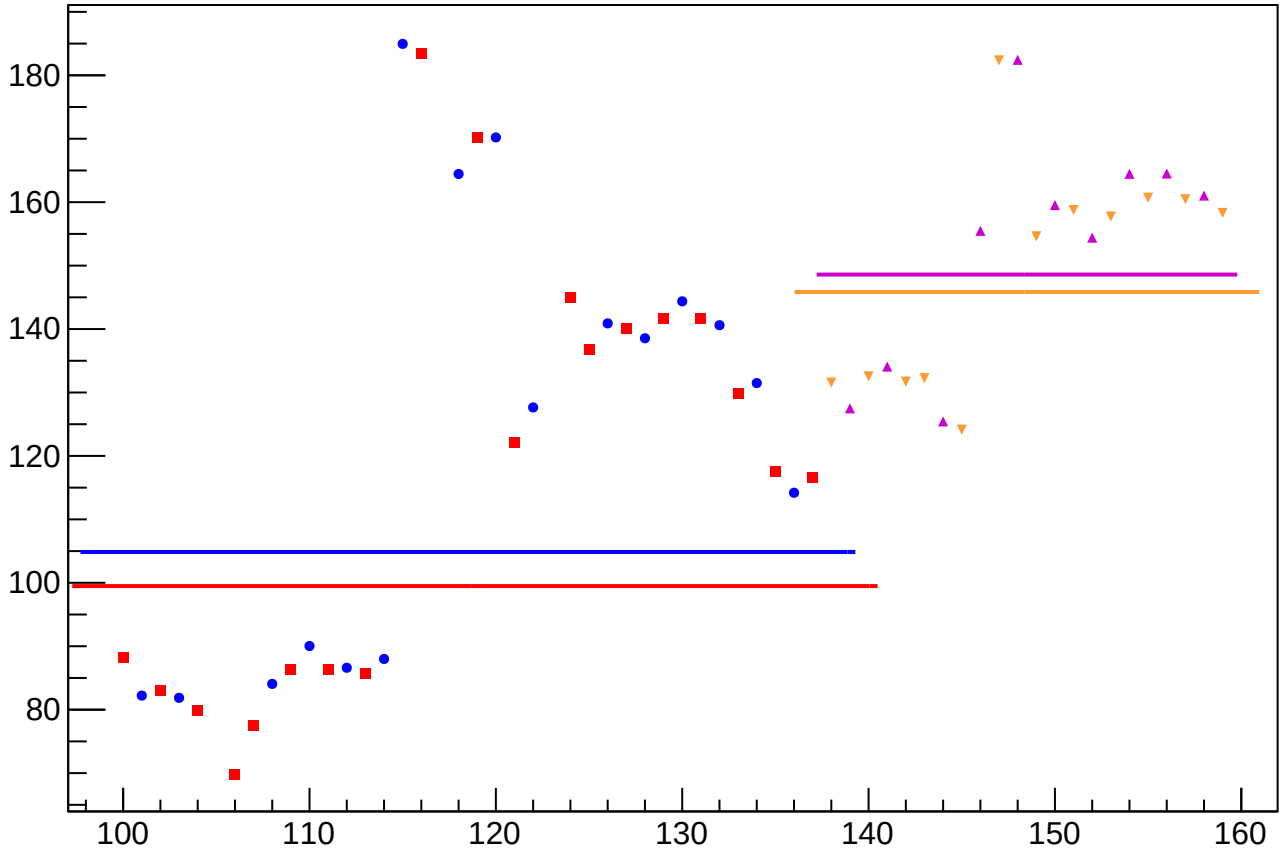
130
140
150
160
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 165.124+/-47.543 χ²/NDF:14.5/11
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -156.266+/-50.711 χ²/NDF:9.0/9
+ sign 73.096+/-30.765 χ²/NDF: 39.8/27
All: -17.774+/-21.611 χ²/NDF: 84.2/56
- sign -106.281+/-30.363 χ²/NDF: 27.2/28

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

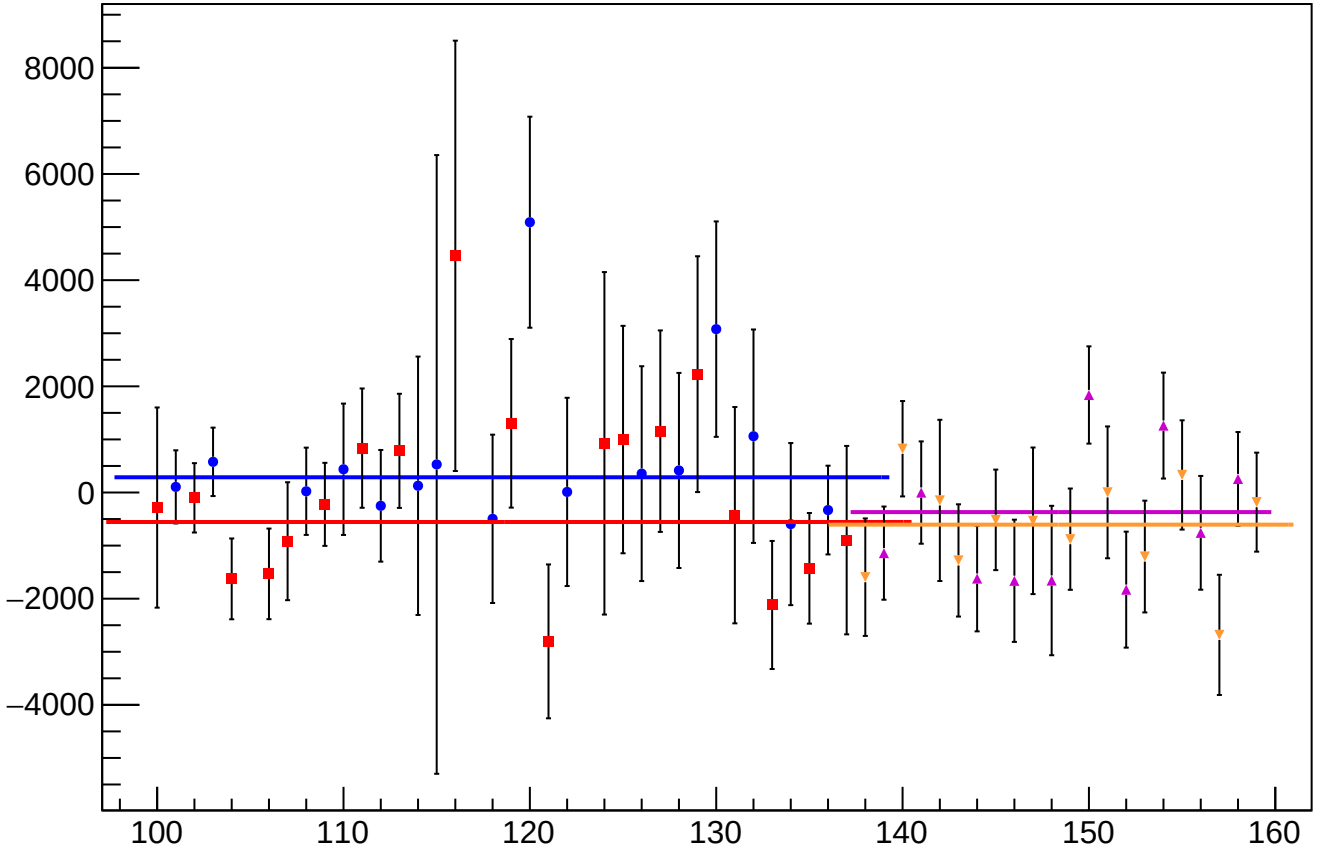
Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

+ sign 122.024+/-0.022 χ^2/NDF: 2038286.4/27

All: 119.523+/-0.015 χ^2/NDF: 4551226.1/56

- sign 117.087+/-0.021 χ^2/NDF: 2486845.7/28

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

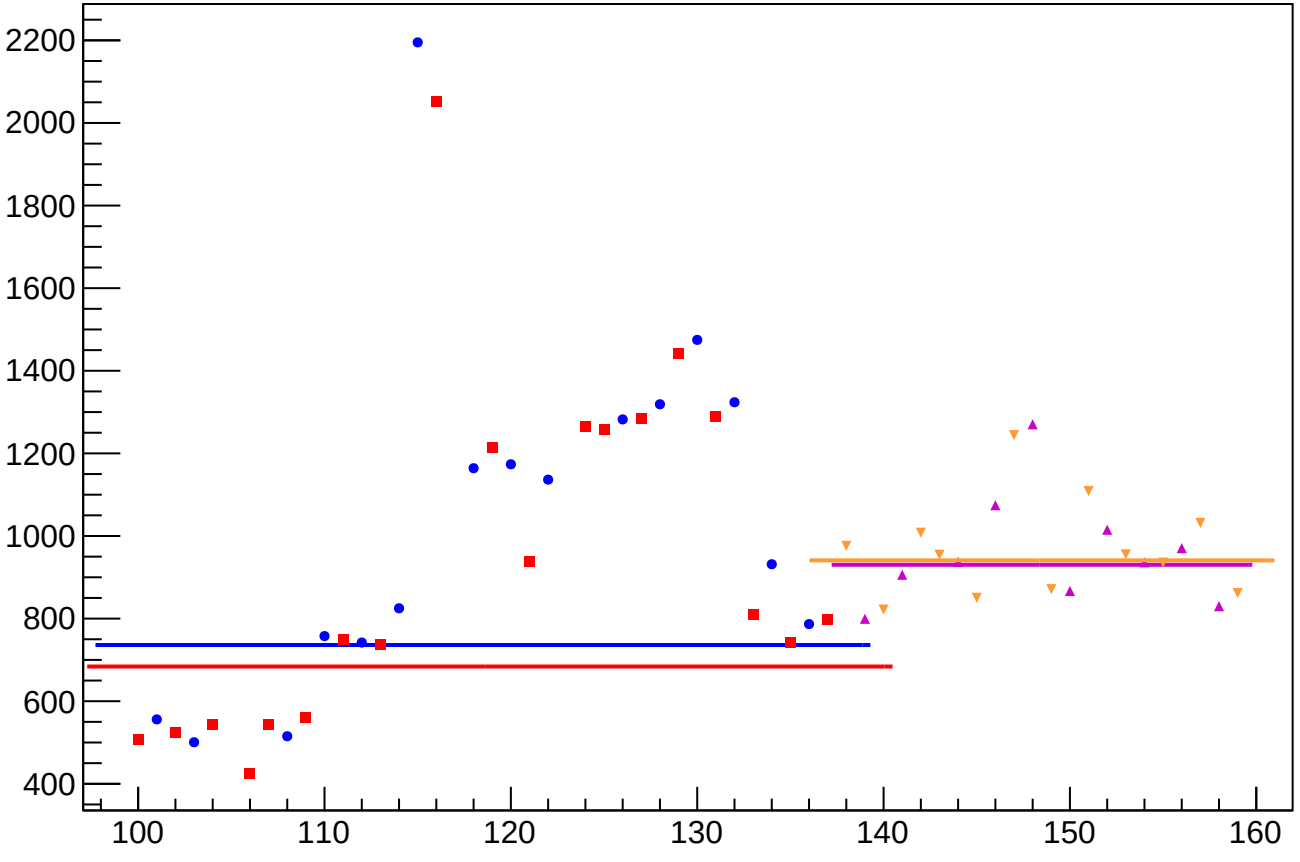
Left In: -368.967+/-318.996 χ^2/NDF:15.5/9

+ sign -137.805+/-212.432 χ^2/NDF: 23.0/27

All: -312.880+/-147.911 χ^2/NDF: 58.0/56

- sign -477.622+/-206.068 χ^2/NDF: 33.7/28

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

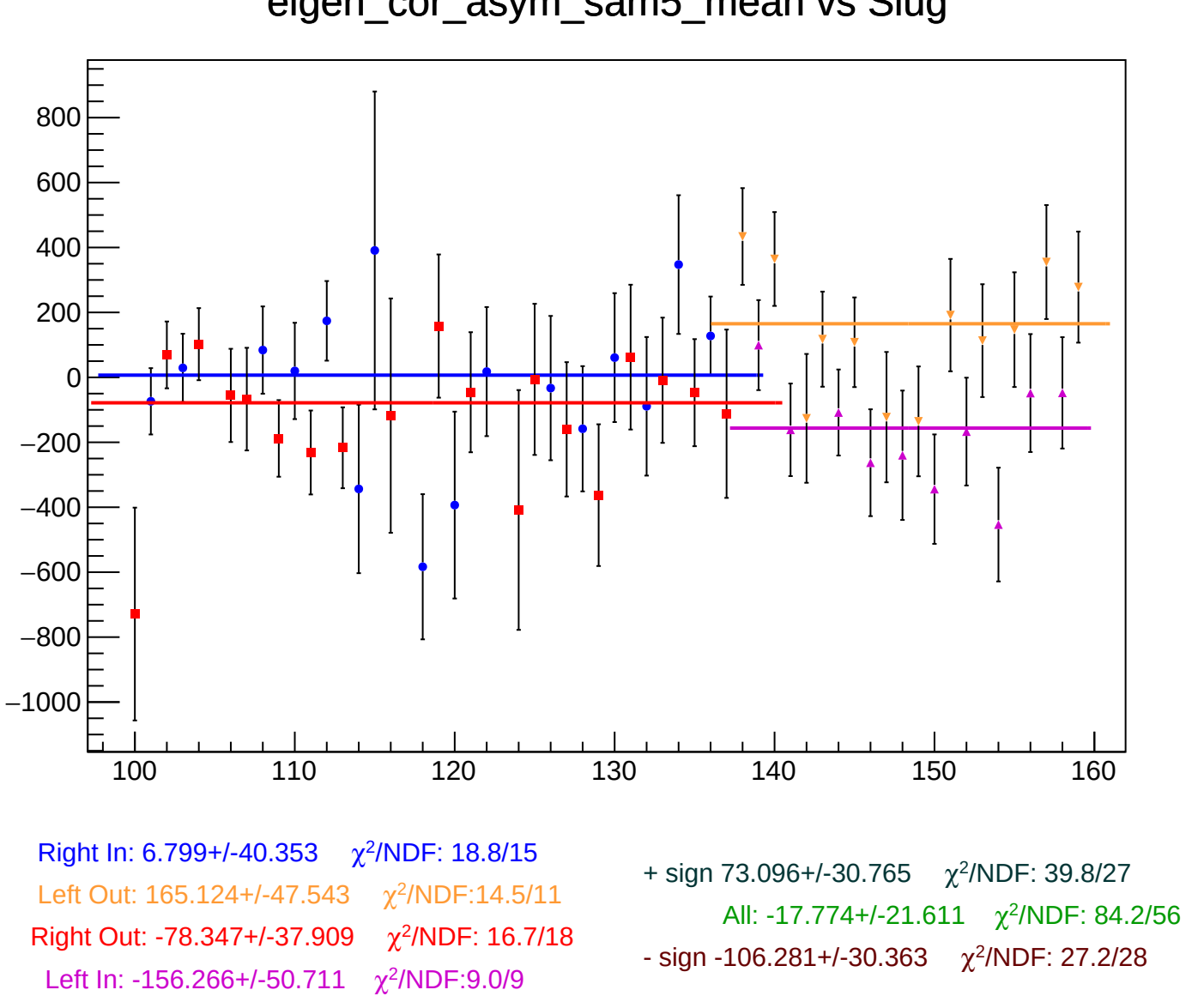
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 930.338+/-0.226 χ^2/NDF:244311.5/9

+ sign 833.624+/-0.150 χ^2/NDF: 2539549.1/27

All: 809.493+/-0.105 χ^2/NDF: 5379431.5/56

- sign 786.786+/-0.146 χ^2/NDF: 2789790.6/28


eigen_cor_asym_sam5_mean vs Slug
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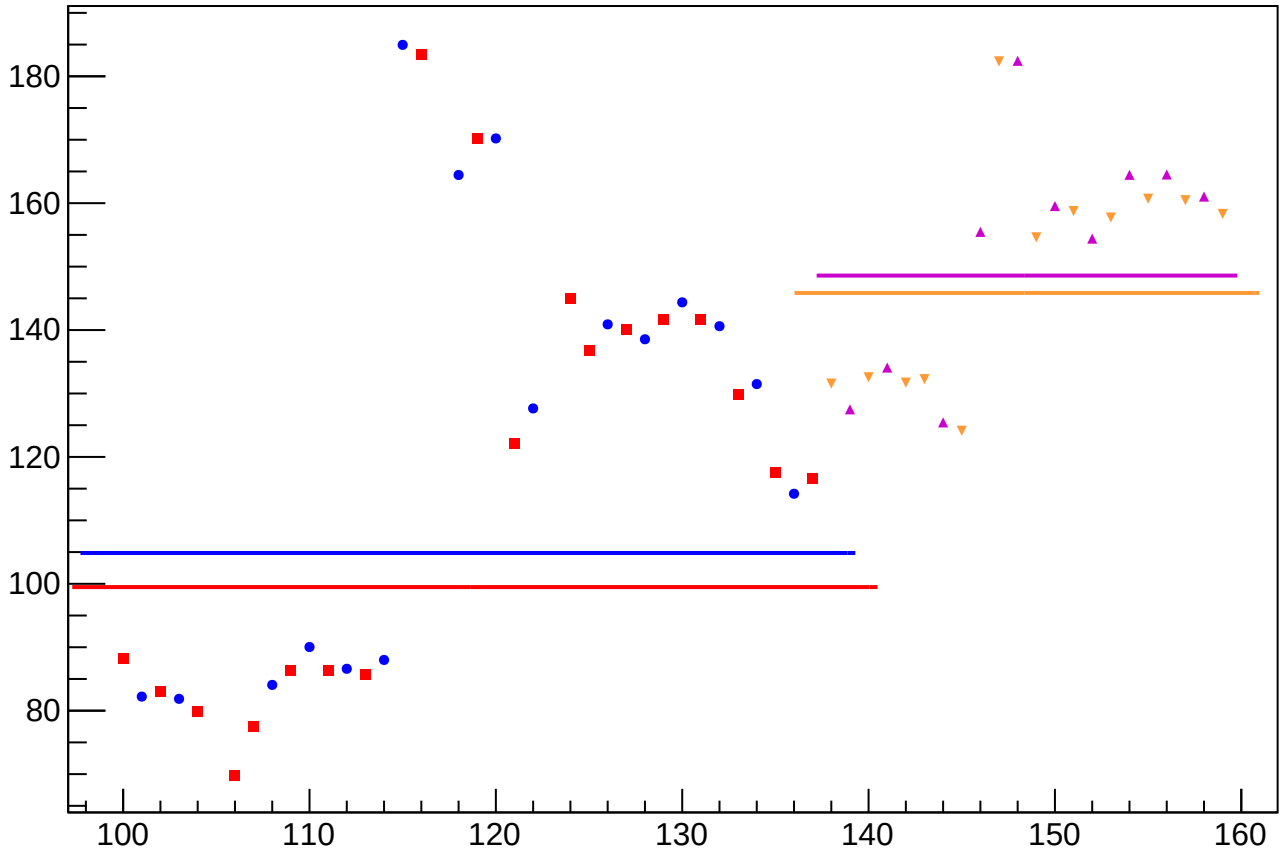
160
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 165.124+/-47.543 χ²/NDF:14.5/11
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -156.266+/-50.711 χ²/NDF:9.0/9
+ sign 73.096+/-30.765 χ²/NDF: 39.8/27
All: -17.774+/-21.611 χ²/NDF: 84.2/56
- sign -106.281+/-30.363 χ²/NDF: 27.2/28



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 145.851+/-0.034 χ^2/NDF:242889.5/11

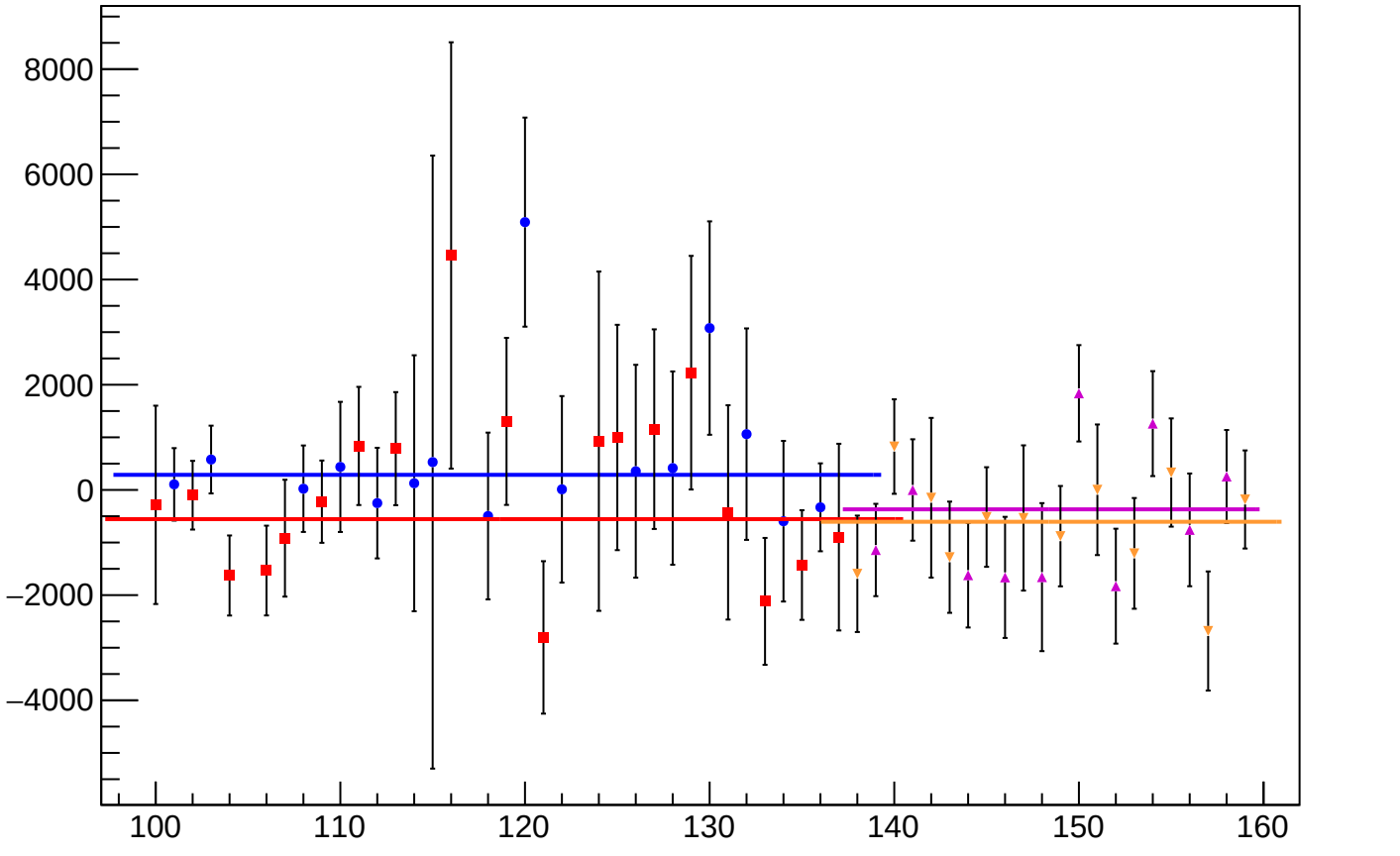
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 148.588+/-0.036 χ^2/NDF:242630.7/9

+ sign 122.024+/-0.022 χ^2/NDF: 2038286.4/27

All: 119.523+/-0.015 χ^2/NDF: 4551226.1/56

- sign 117.087+/-0.021 χ^2/NDF: 2486845.7/28



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

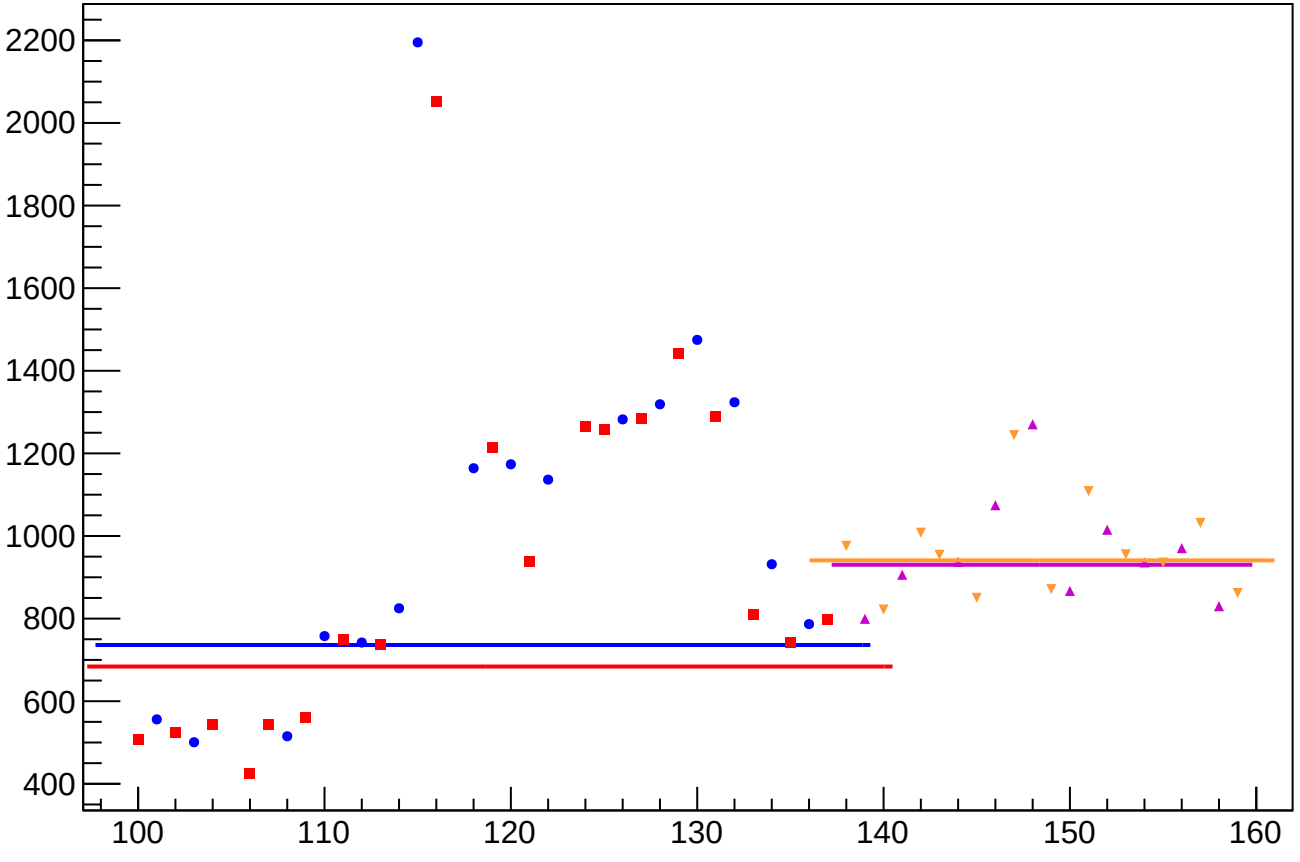
Left In: -368.967+/-318.996 χ^2/NDF:15.5/9

+ sign -137.805+/-212.432 χ^2/NDF: 23.0/27

All: -312.880+/-147.911 χ^2/NDF: 58.0/56

- sign -477.622+/-206.068 χ^2/NDF: 33.7/28

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

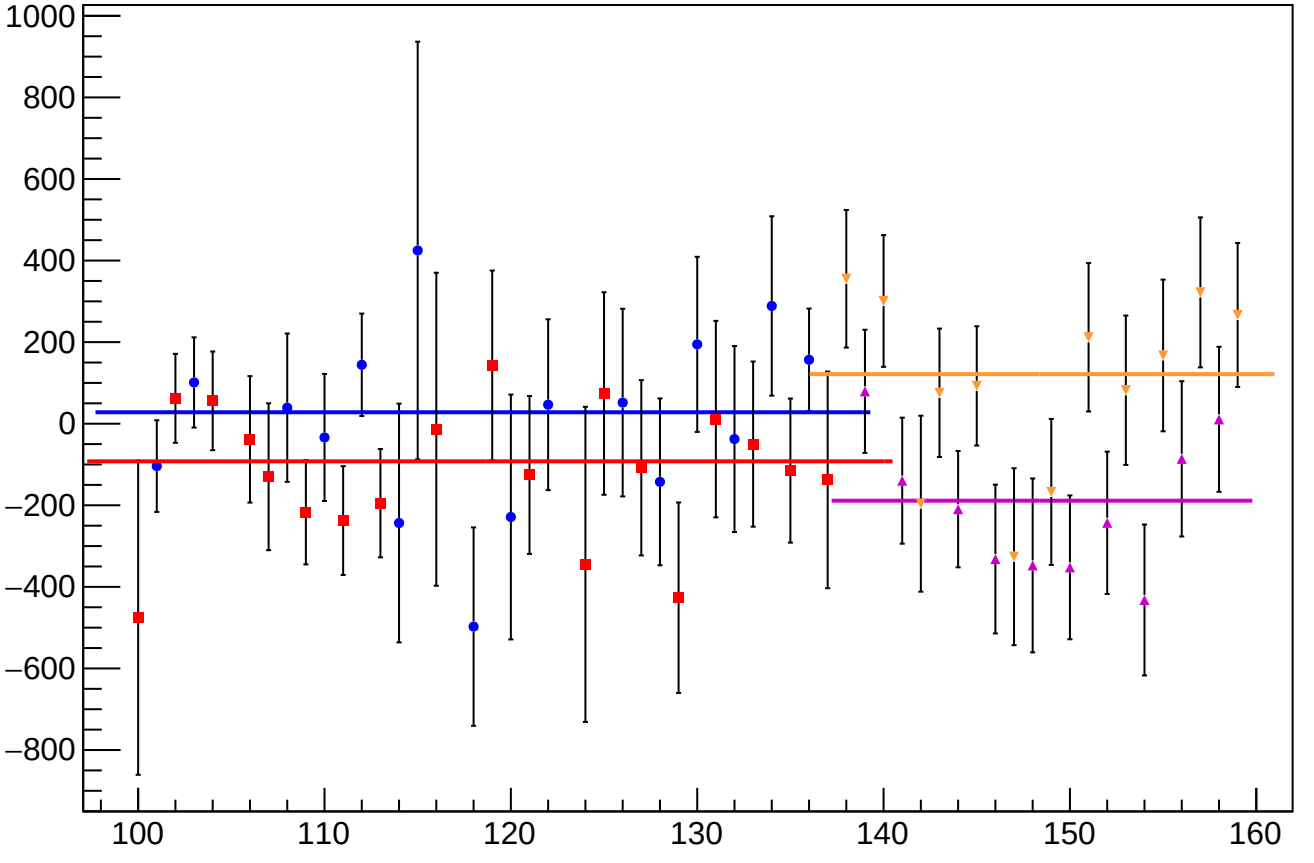
Left In: 930.338+/-0.226 χ^2/NDF:244311.5/9

+ sign 833.624+/-0.150 χ^2/NDF: 2539549.1/27

All: 809.493+/-0.105 χ^2/NDF: 5379431.5/56

- sign 786.786+/-0.146 χ^2/NDF: 2789790.6/28

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

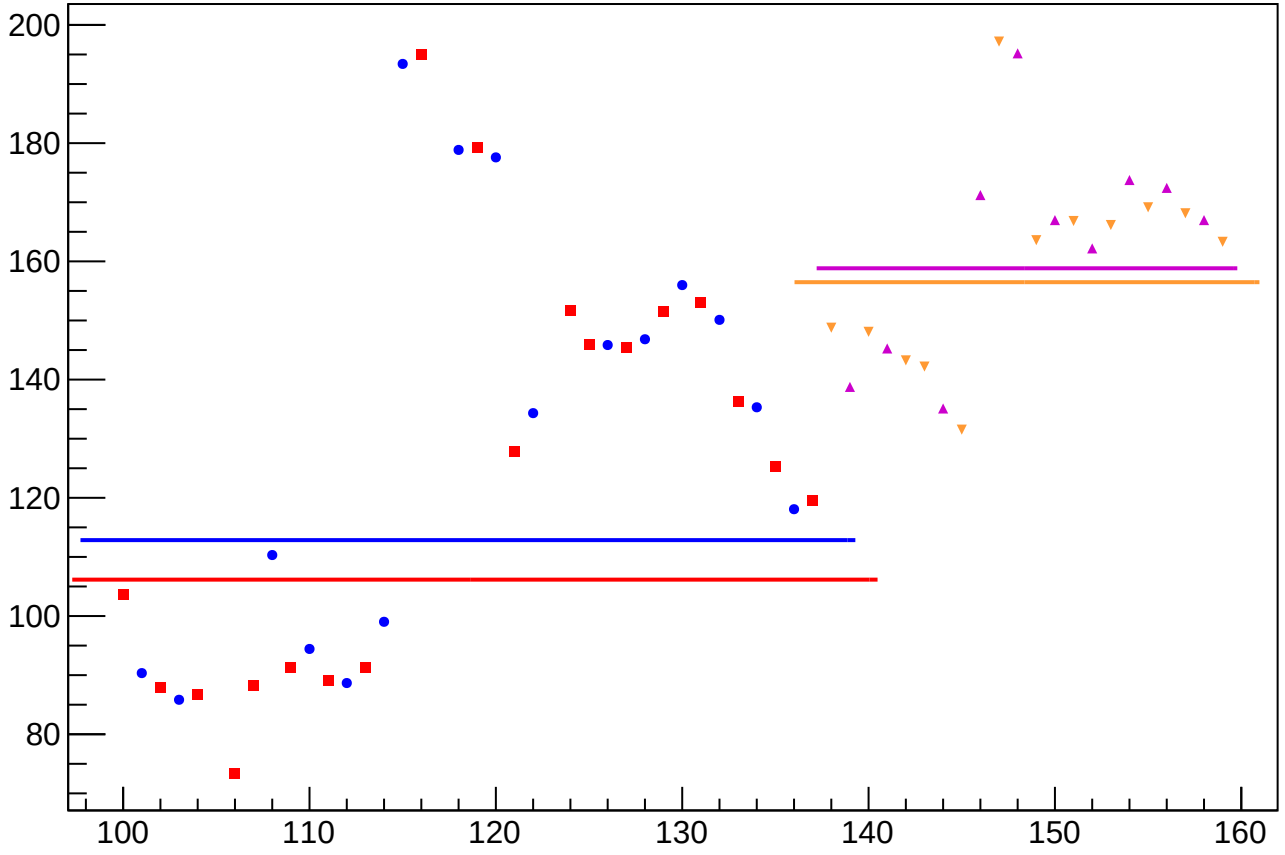
Left In: -188.684+/-54.194 χ^2/NDF:8.7/9

+ sign 67.441+/-33.056 χ^2/NDF: 30.0/27

All: -31.465+/-23.161 χ^2/NDF: 70.0/56

- sign -126.848+/-32.462 χ^2/NDF: 22.4/28

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

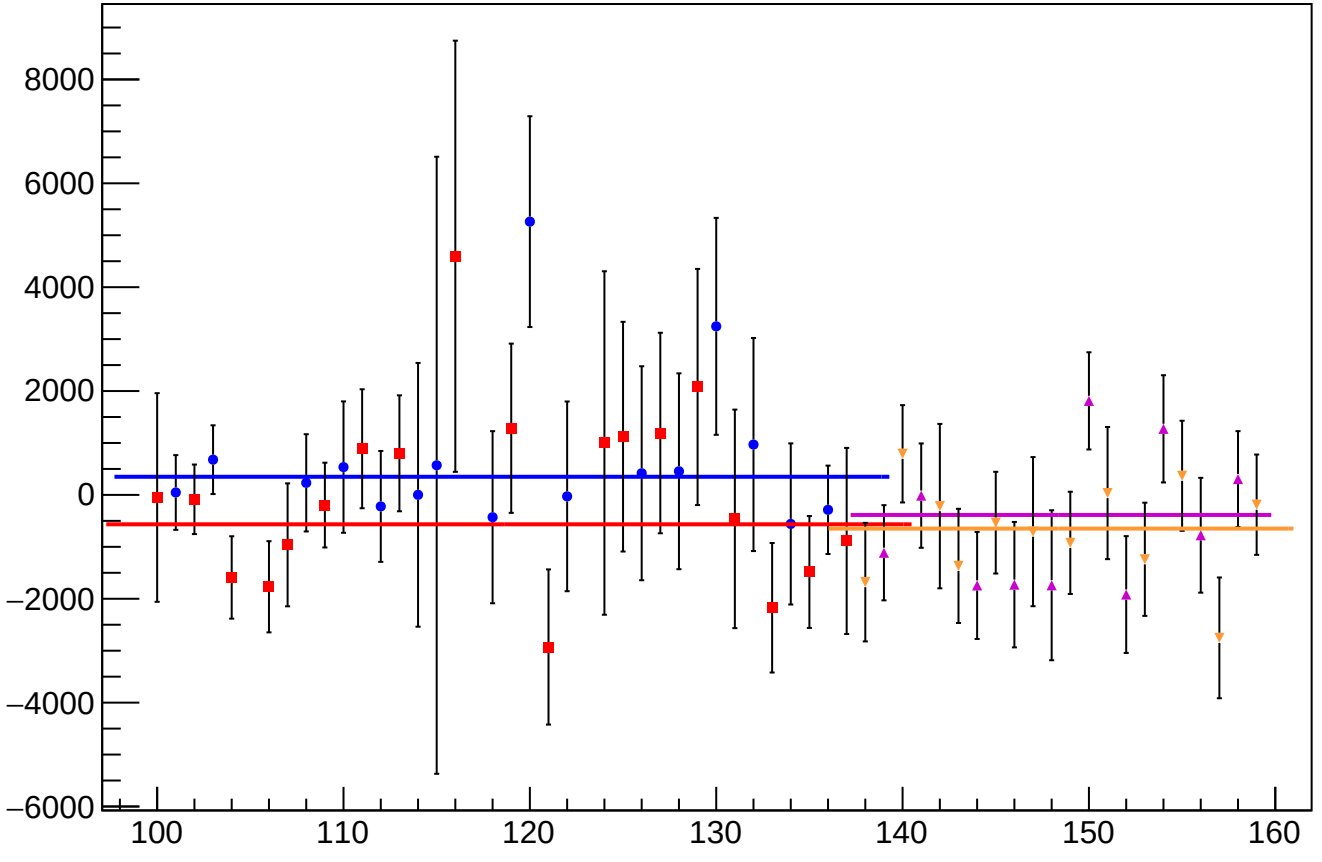
Left In: 158.830+/-0.038 χ^2/NDF:205924.8/9

+ sign 131.210+/-0.023 χ^2/NDF: 1919407.6/27

All: 128.078+/-0.016 χ^2/NDF: 4374134.7/56

- sign 125.057+/-0.023 χ^2/NDF: 2419442.9/28

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

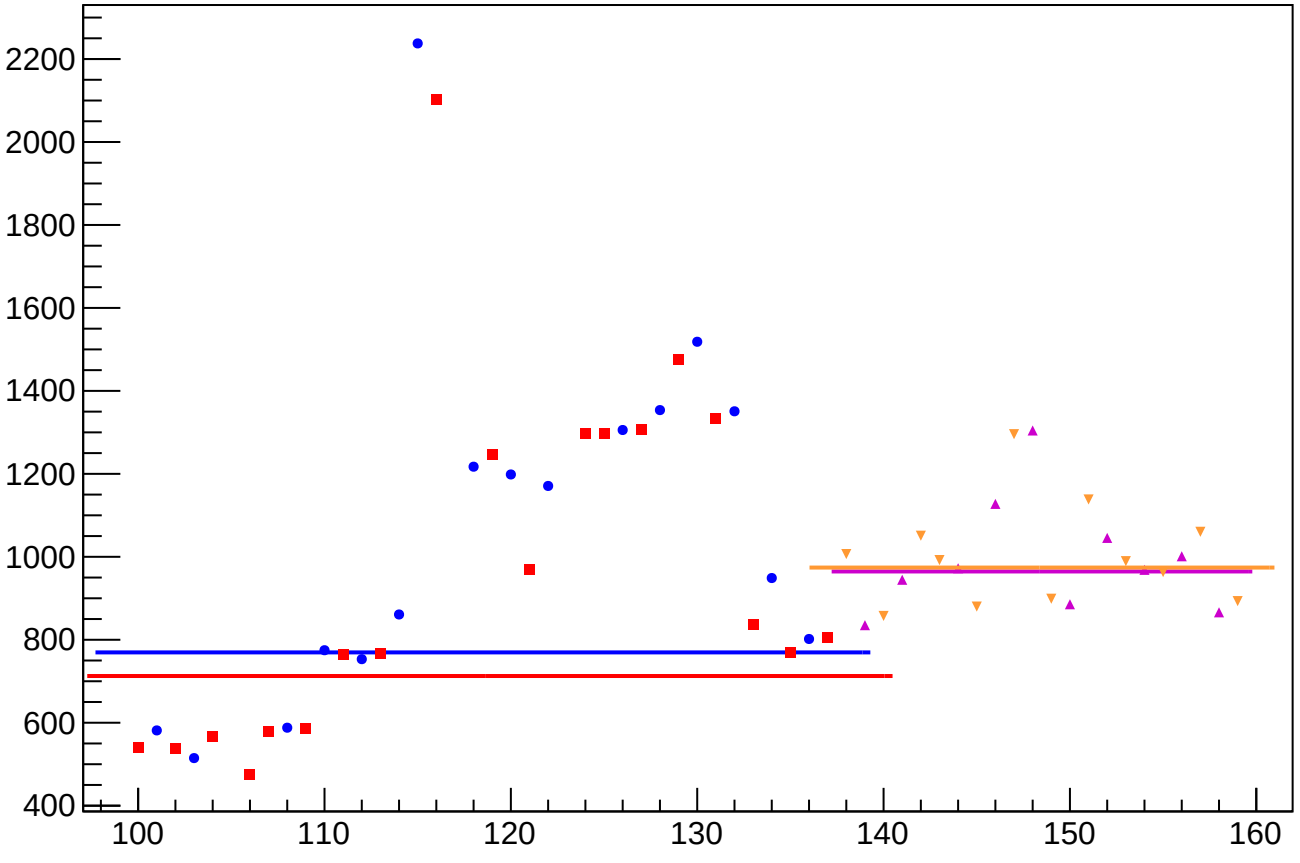
Left In: -386.205+/-330.576 χ^2/NDF:15.2/9

\+ sign -128.580+/-220.423 χ^2/NDF: 23.7/27

All: -315.811+/-153.286 χ^2/NDF: 58.8/56

\- sign -491.154+/-213.311 χ^2/NDF: 33.7/28

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

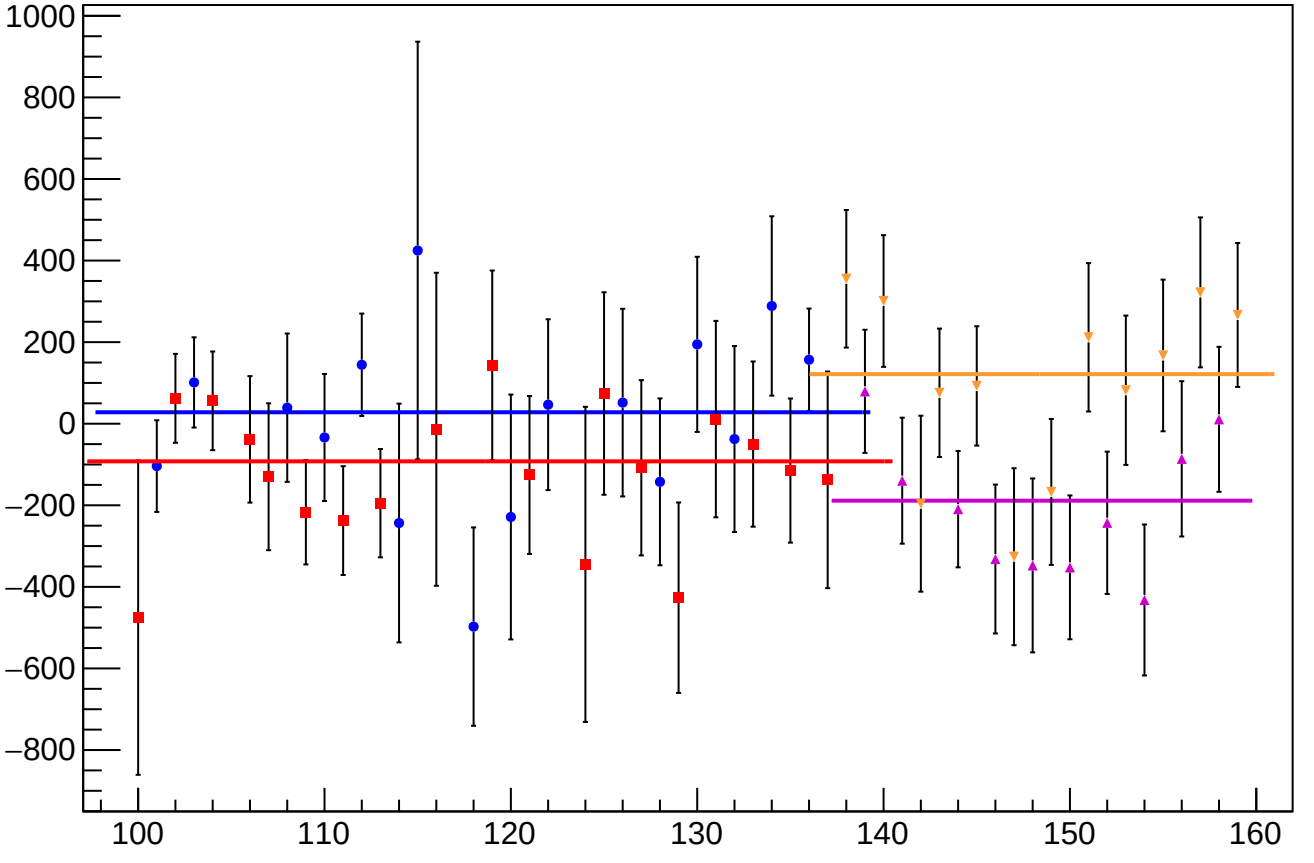
Left In: 964.662+/-0.234 χ^2/NDF:237664.4/9

+ sign 867.485+/-0.156 χ^2/NDF: 2396765.8/27

All: 841.708+/-0.108 χ^2/NDF: 5133106.5/56

- sign 817.568+/-0.151 χ^2/NDF: 2683376.4/28

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

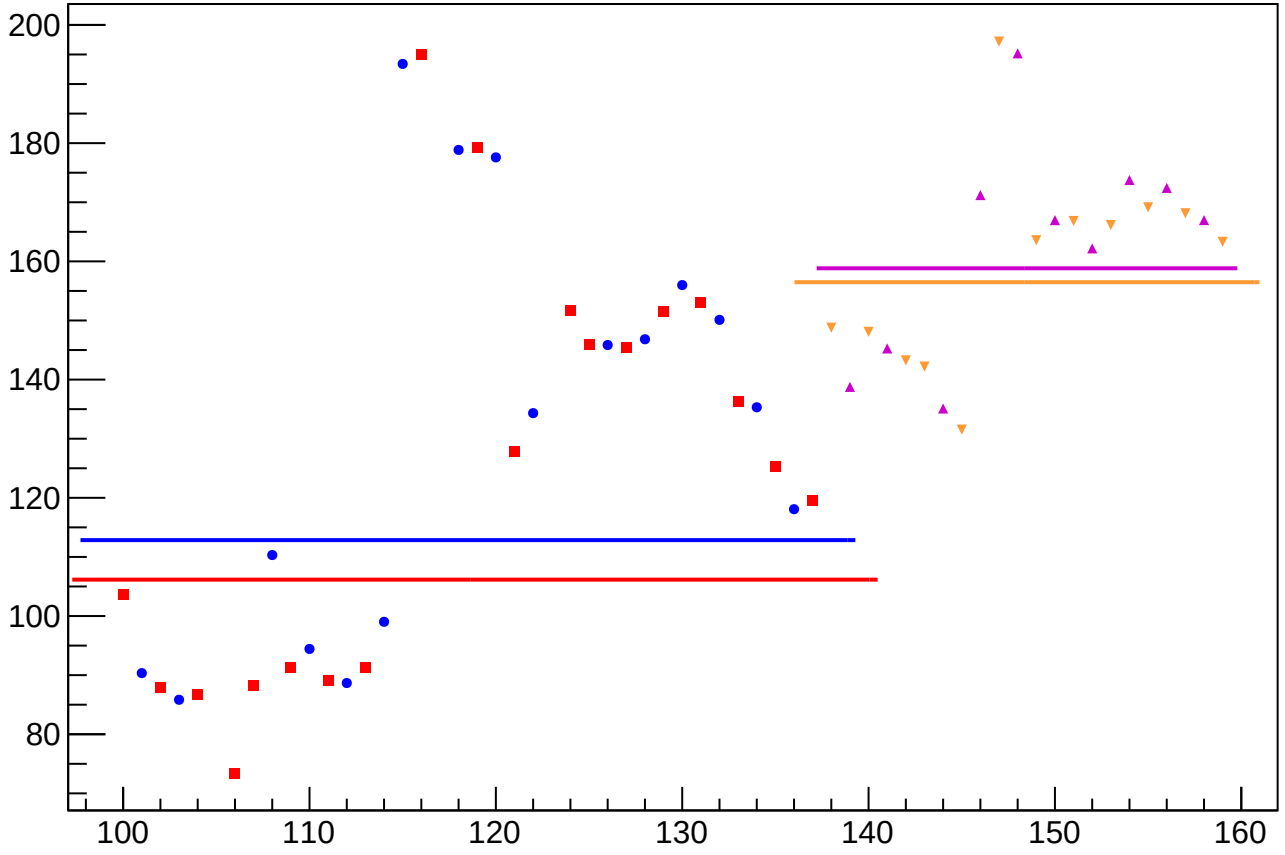
Left In: -188.685+/-54.194 χ^2/NDF:8.7/9

+ sign 67.440+/-33.056 χ^2/NDF: 30.0/27

All: -31.465+/-23.161 χ^2/NDF: 70.0/56

- sign -126.848+/-32.462 χ^2/NDF: 22.4/28

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

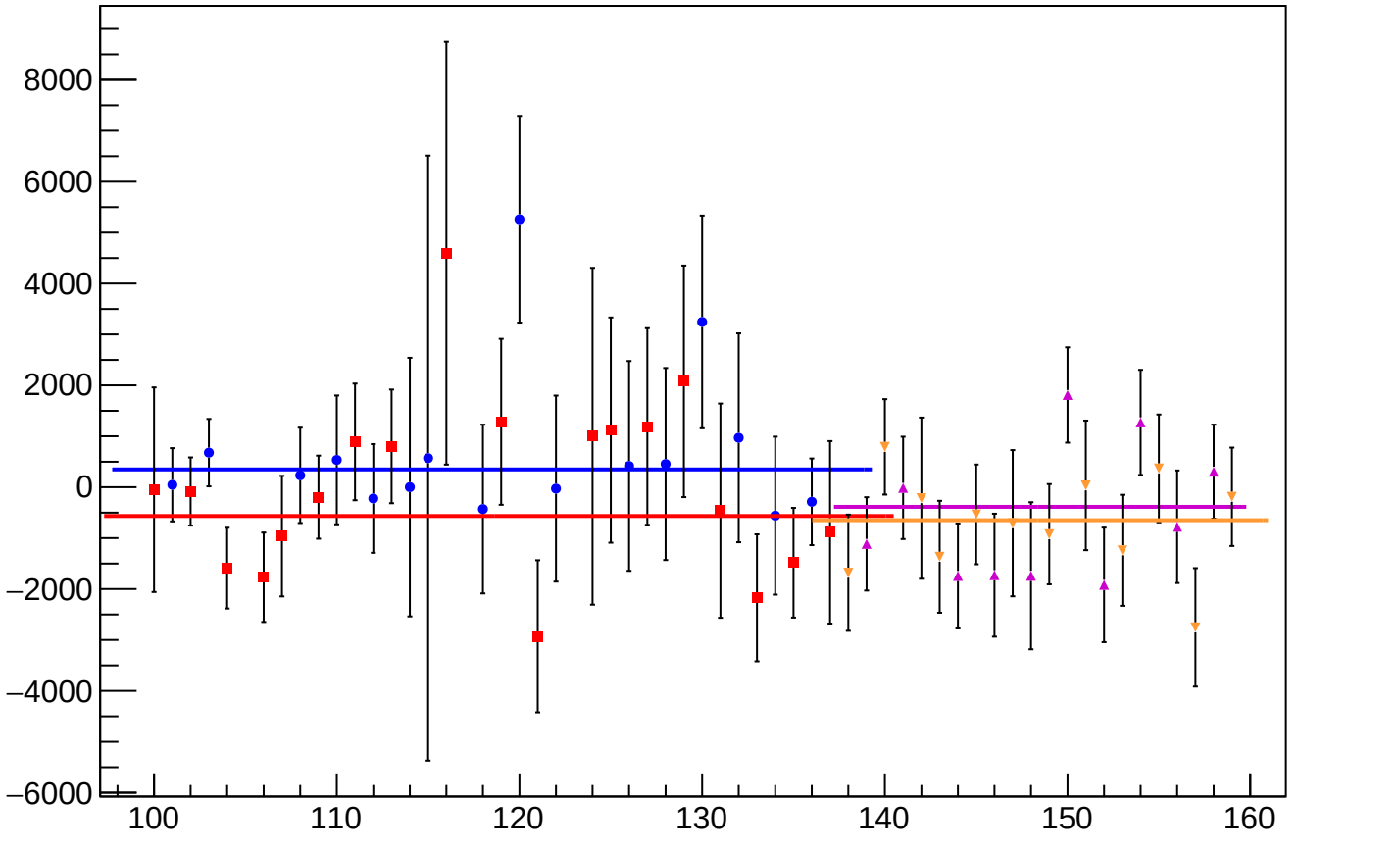
Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 158.830+/-0.038 χ^2/NDF:205922.7/9

+ sign 131.210+/-0.023 χ^2/NDF: 1919425.5/27

All: 128.078+/-0.016 χ^2/NDF: 4374164.8/56

- sign 125.057+/-0.023 χ^2/NDF: 2419455.6/28



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

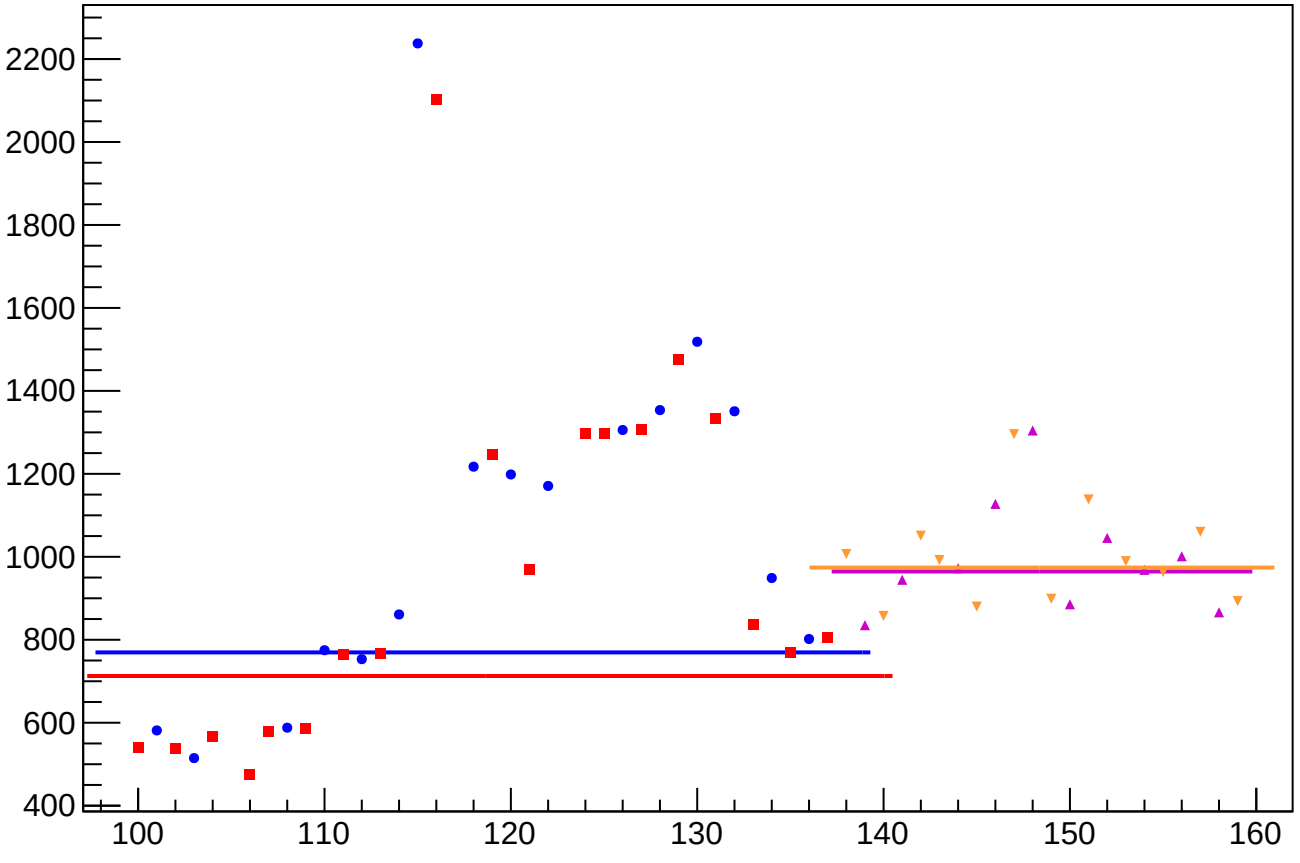
Left In: -386.207+/-330.577 χ^2/NDF:15.2/9

+ sign -128.579+/-220.423 χ^2/NDF: 23.7/27

All: -315.811+/-153.286 χ^2/NDF: 58.8/56

- sign -491.155+/-213.311 χ^2/NDF: 33.7/28

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

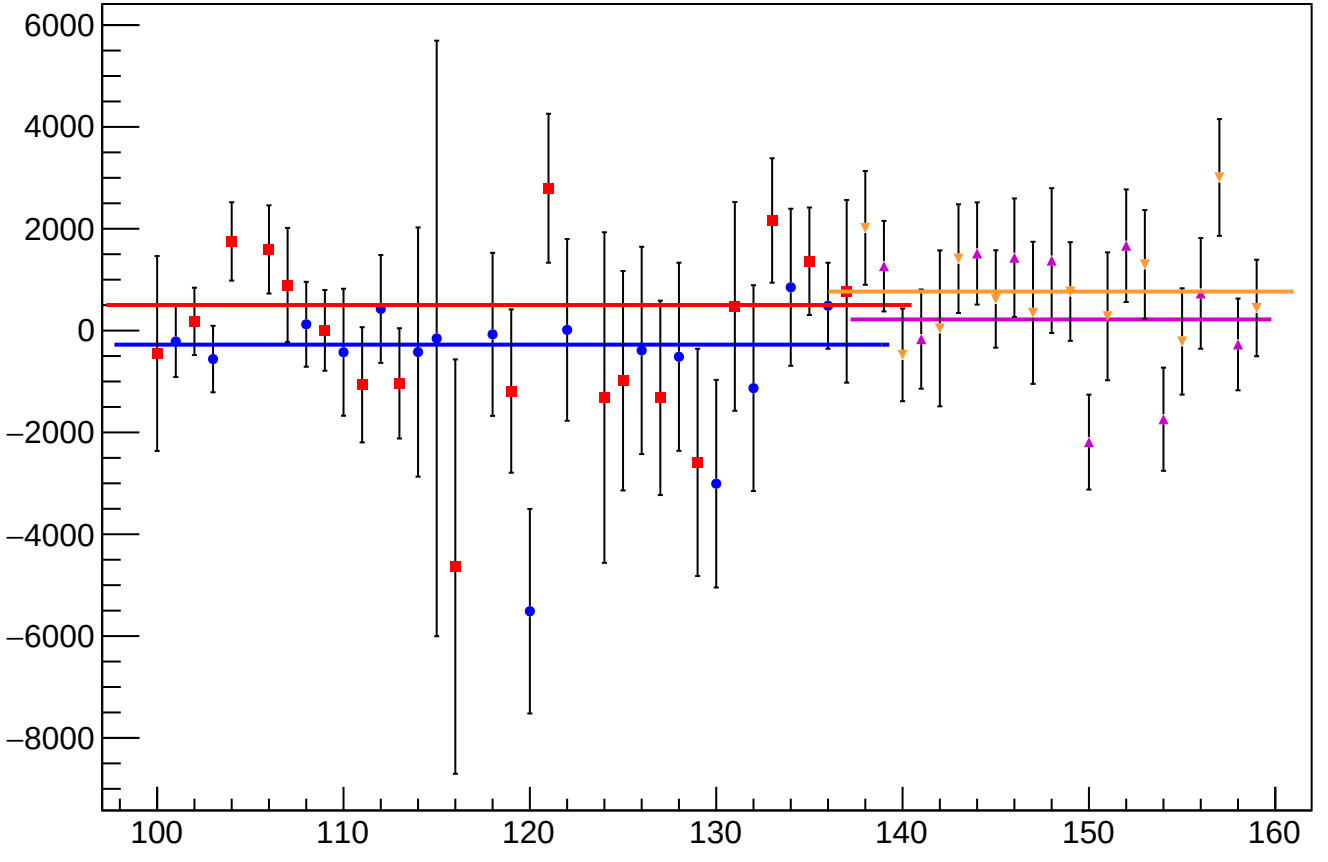
Left In: 964.664+/-0.234 χ^2/NDF:237665.8/9

+ sign 867.484+/-0.156 χ^2/NDF: 2396776.1/27

All: 841.708+/-0.108 χ^2/NDF: 5133126.8/56

- sign 817.568+/-0.151 χ^2/NDF: 2683386.0/28

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

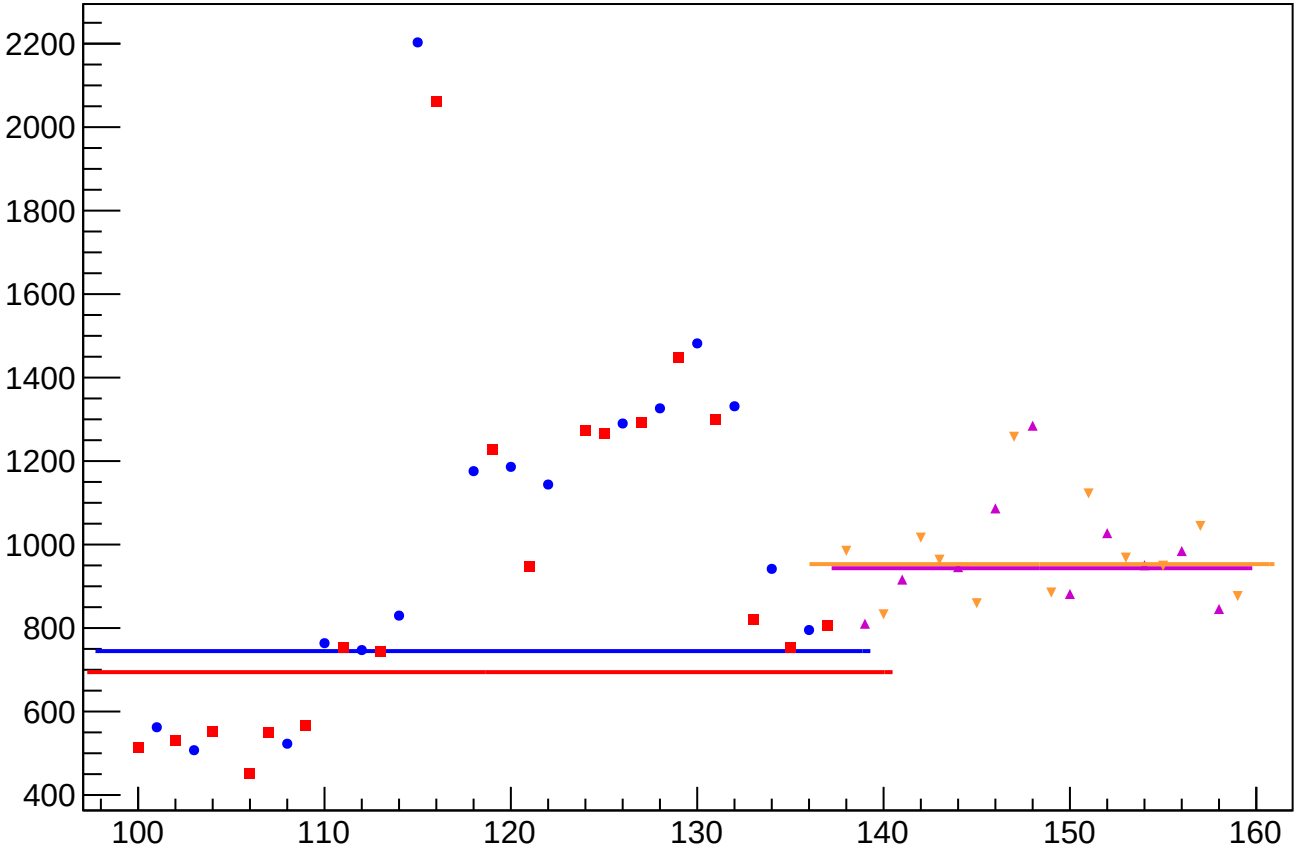
Left In: 218.694+/-323.333 χ^2/NDF:17.6/9

+ sign 219.176+/-214.939 χ^2/NDF: 26.0/27

All: 304.103+/-149.689 χ^2/NDF: 64.8/56

- sign 384.086+/-208.588 χ^2/NDF: 38.5/28

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

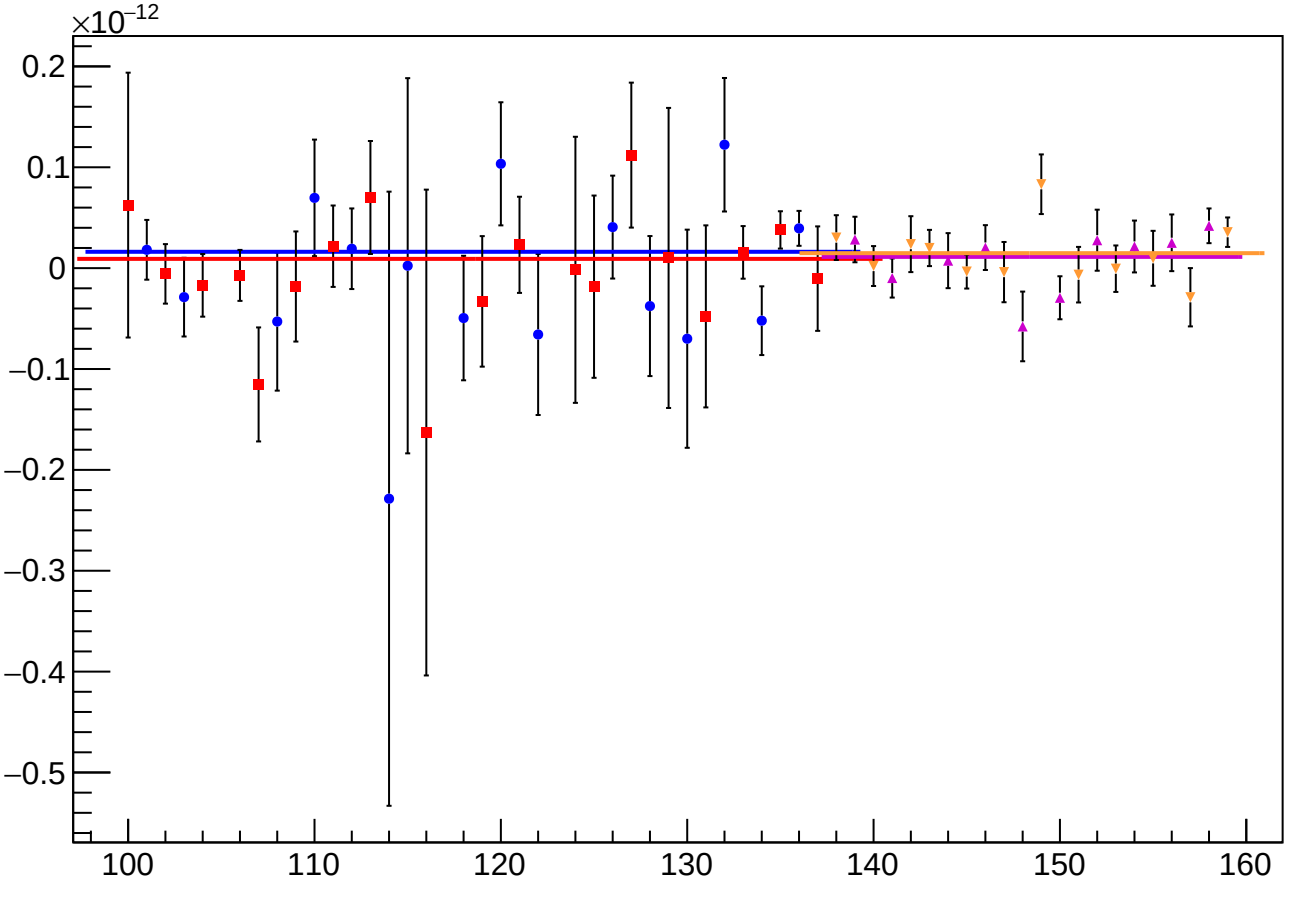
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 943.309+/-0.229 χ^2/NDF:238667.1/9

+ sign 843.805+/-0.152 χ^2/NDF: 2518720.4/27

All: 820.195+/-0.106 χ^2/NDF: 5300256.3/56

- sign 797.960+/-0.147 χ^2/NDF: 2734677.9/28



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

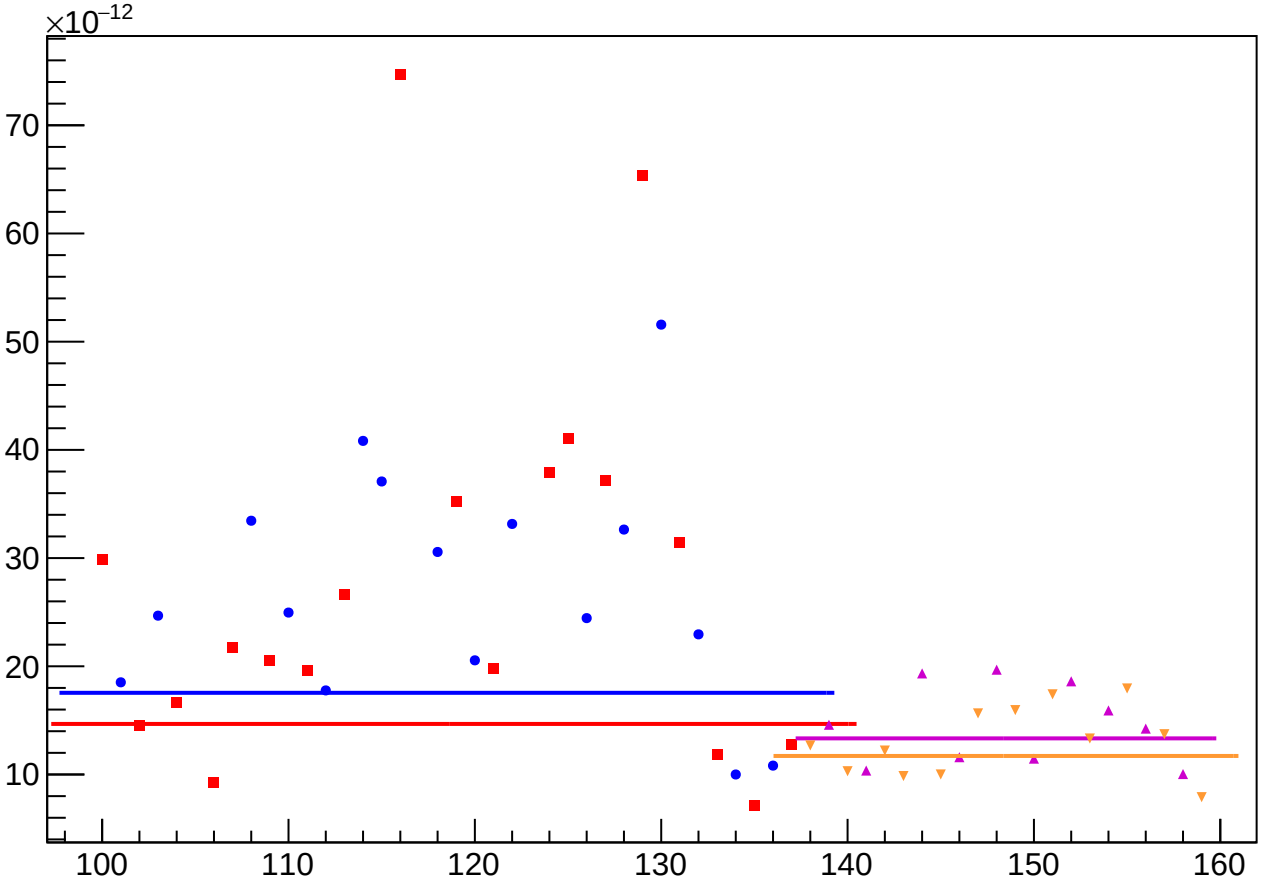
Left In: 0.000+/-0.000 χ^2/NDF:13.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/27

All: 0.000+/-0.000 χ^2/NDF: 59.3/56

- sign 0.000+/-0.000 χ^2/NDF: 27.6/28

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:478219.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

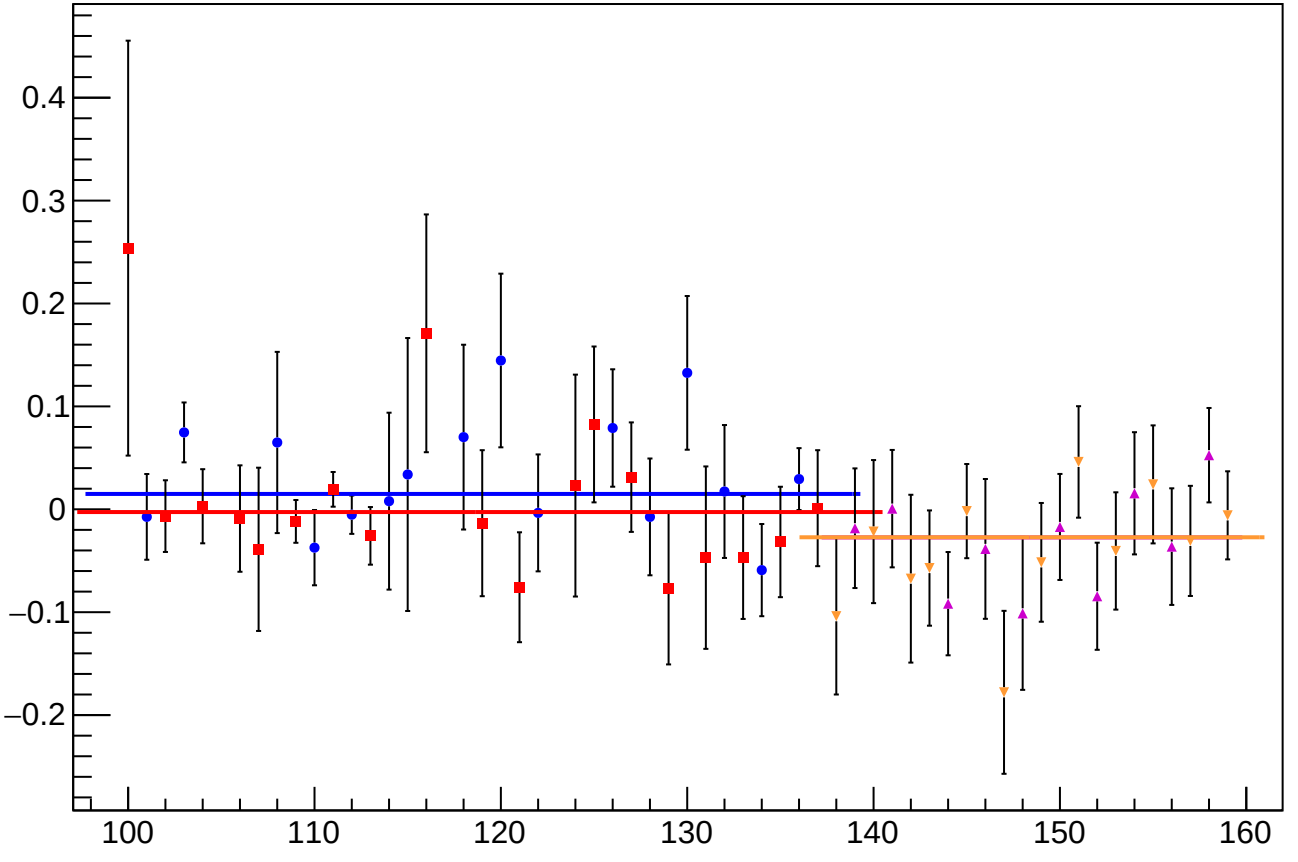
Left In: 0.000+/-0.000 χ^2/NDF:401742.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 2077707.3/27

All: 0.000+/-0.000 χ^2/NDF: 4258672.9/56

- sign 0.000+/-0.000 χ^2/NDF: 2168351.5/28

asym_sam5_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

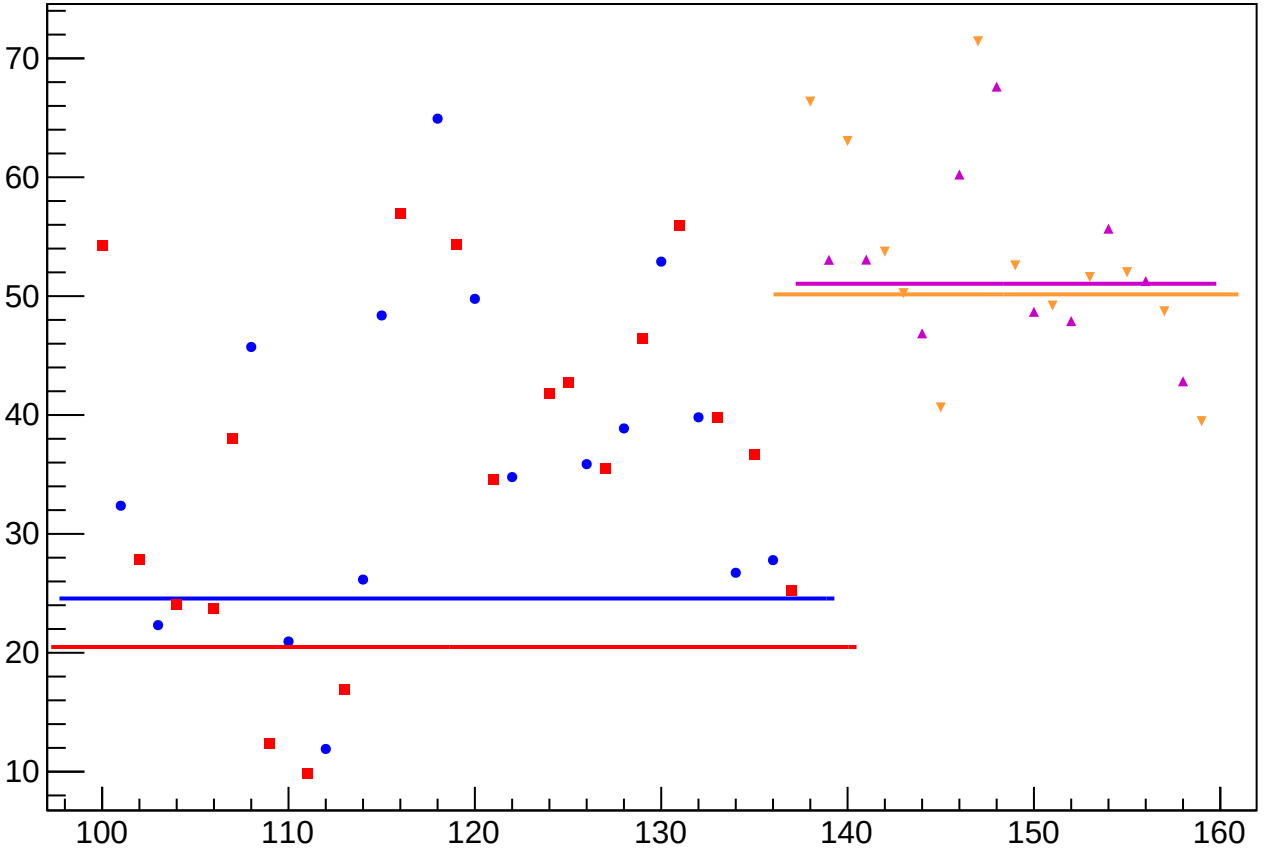
Left In: -0.027+/-0.018 χ^2/NDF:7.7/9

+ sign 0.003+/-0.009 χ^2/NDF: 31.0/27

All: -0.003+/-0.006 χ^2/NDF: 53.5/56

- sign -0.008+/-0.008 χ^2/NDF: 21.7/28

asym_sam5_dit_vs_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

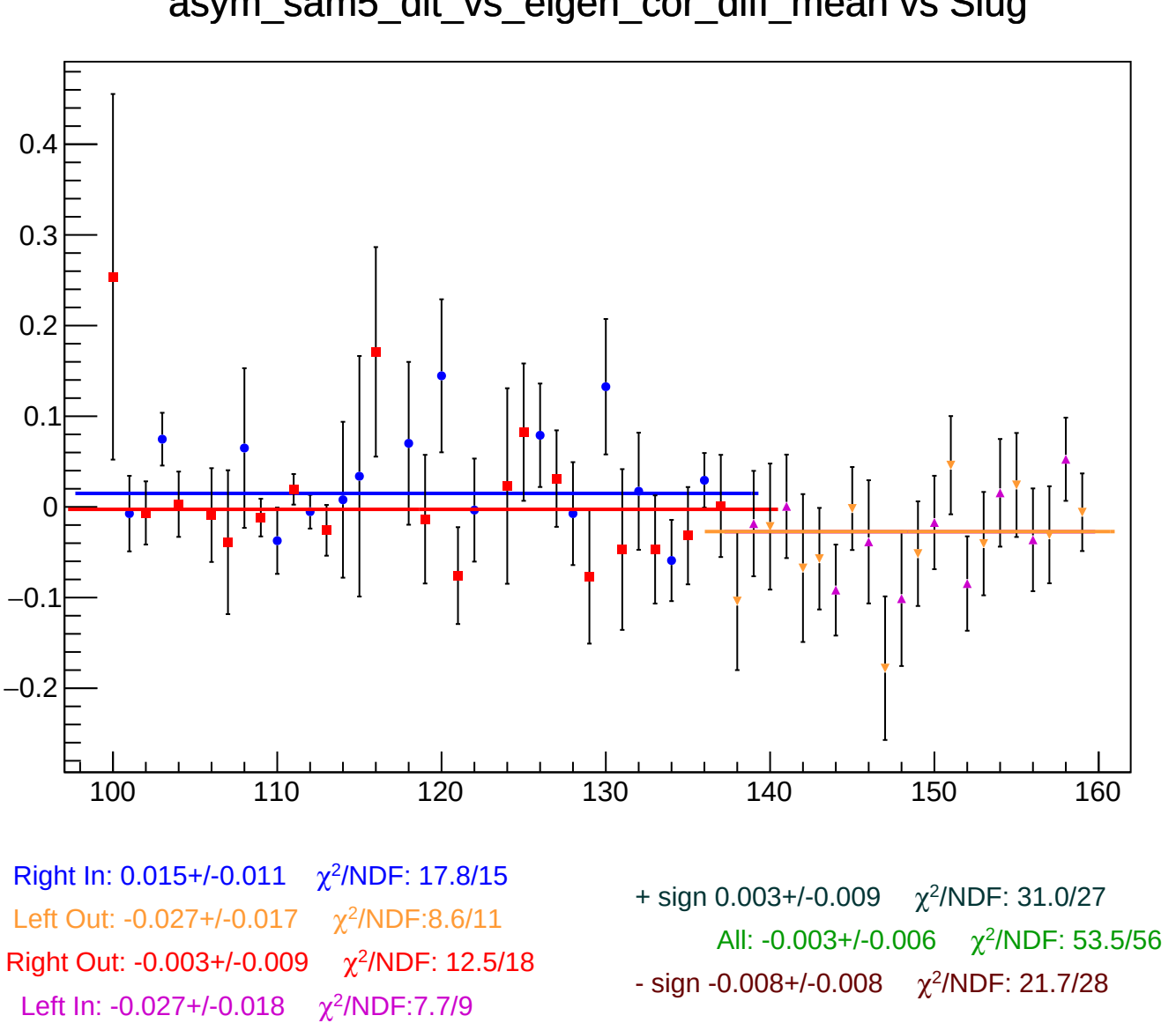
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.043+/-0.012 χ^2/NDF:242524.5/9

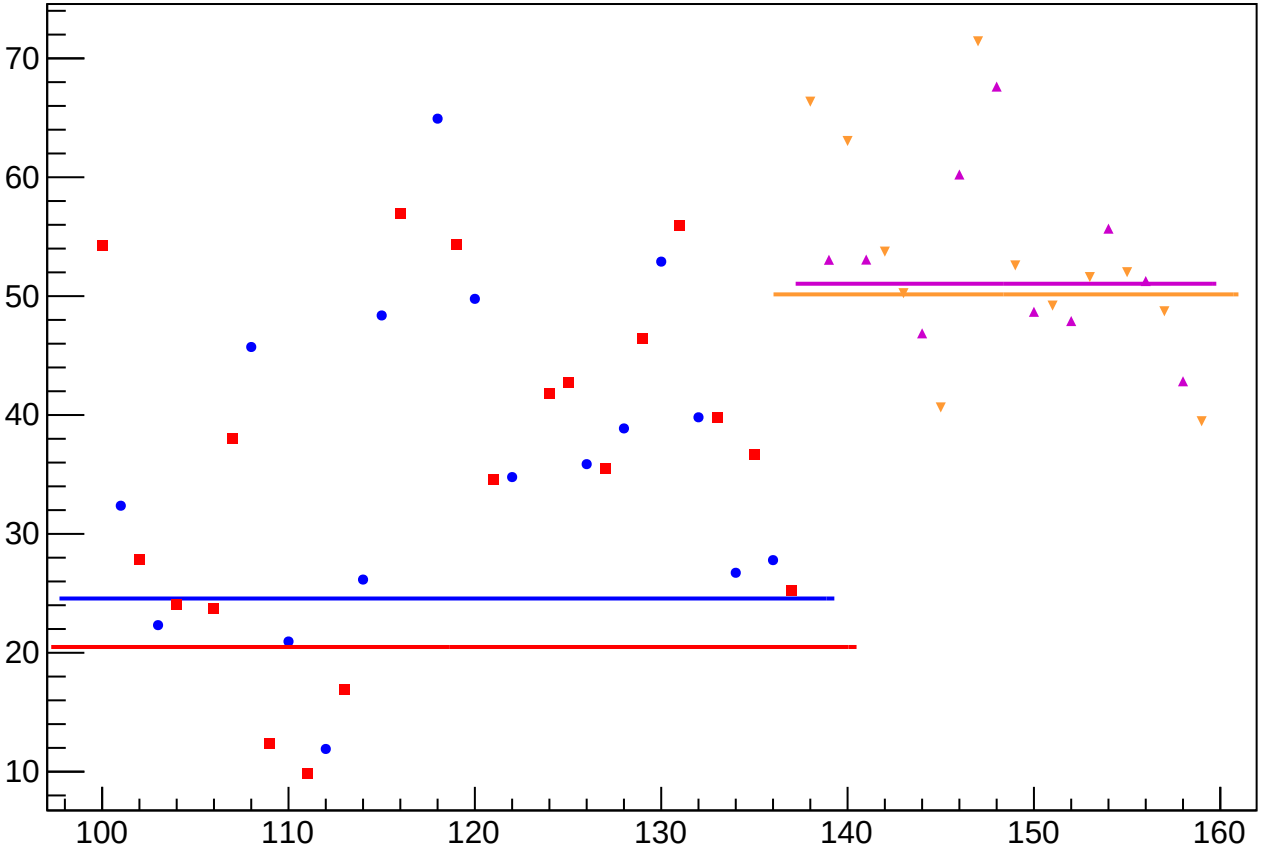
+ sign 31.969+/-0.006 χ^2/NDF: 6391468.6/27

All: 29.295+/-0.004 χ^2/NDF: 15260034.0/56

- sign 27.051+/-0.006 χ^2/NDF: 8538291.8/28


asym_sam5_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: -0.027+/-0.018 χ²/NDF:7.7/9
+ sign 0.003+/-0.009 χ²/NDF: 31.0/27
All: -0.003+/-0.006 χ²/NDF: 53.5/56
- sign -0.008+/-0.008 χ²/NDF: 21.7/28

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

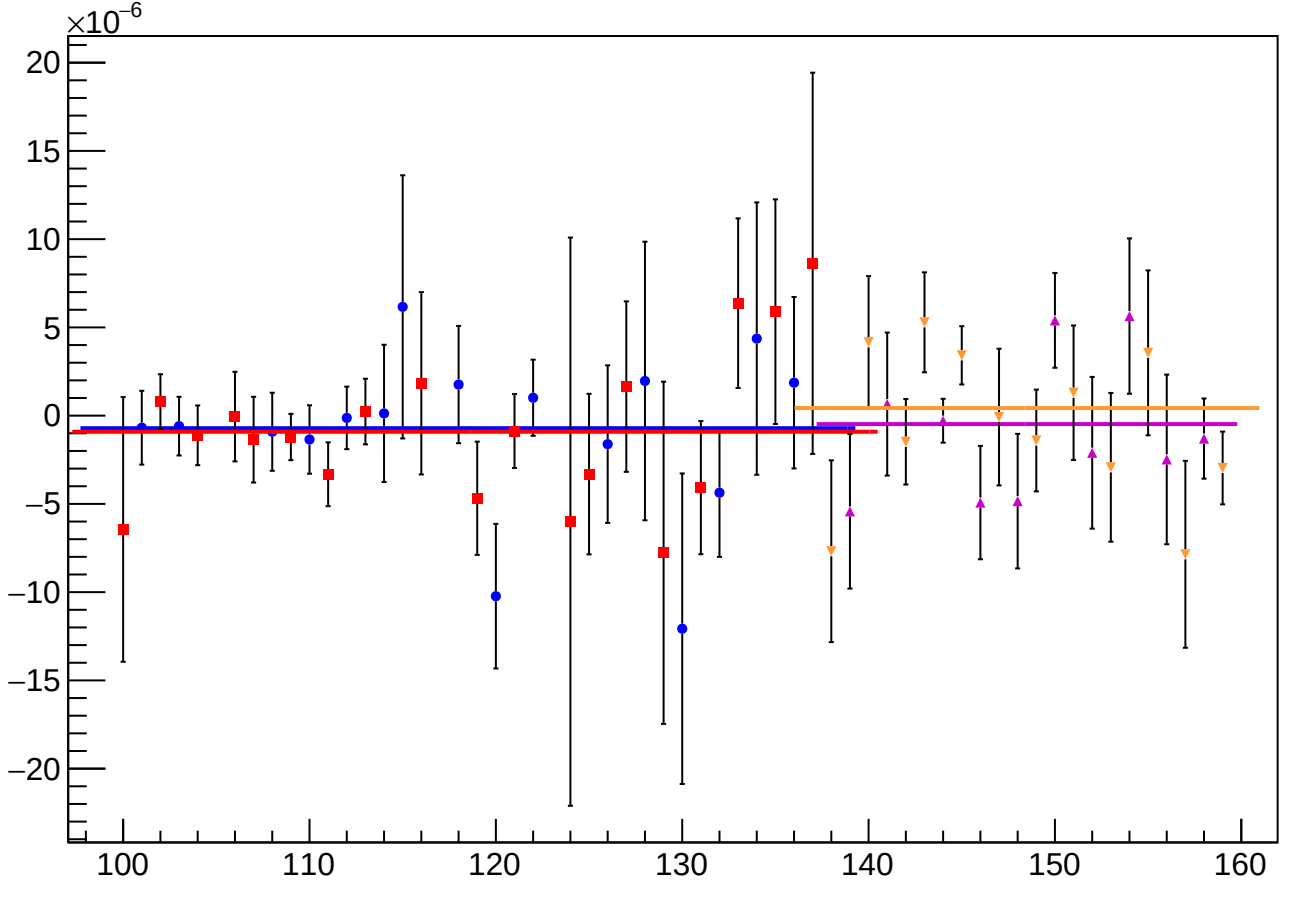
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.043+/-0.012 χ^2/NDF:242524.5/9

+ sign 31.969+/-0.006 χ^2/NDF: 6391468.6/27

All: 29.295+/-0.004 χ^2/NDF: 15260034.0/56

- sign 27.051+/-0.006 χ^2/NDF: 8538291.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/11

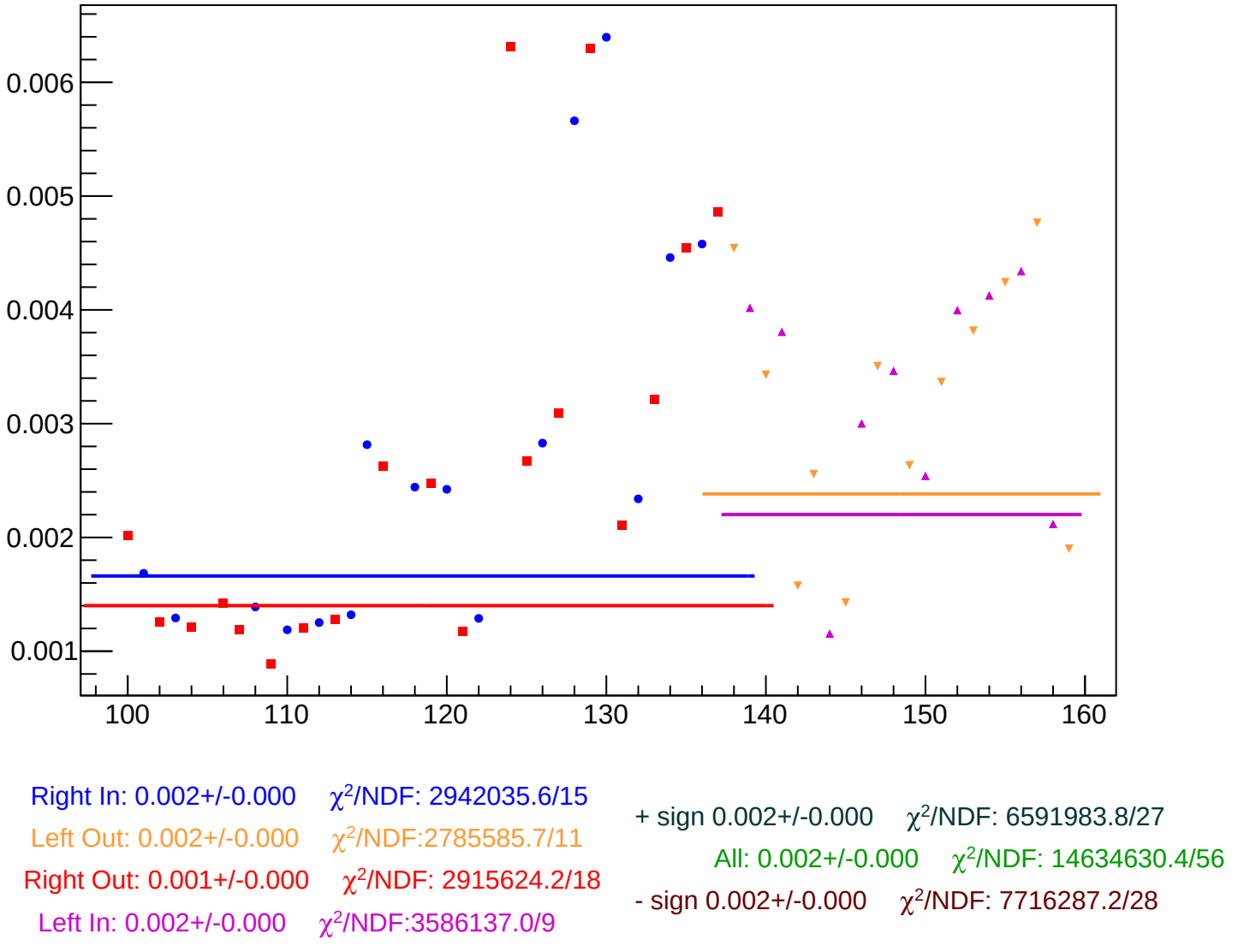
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/9

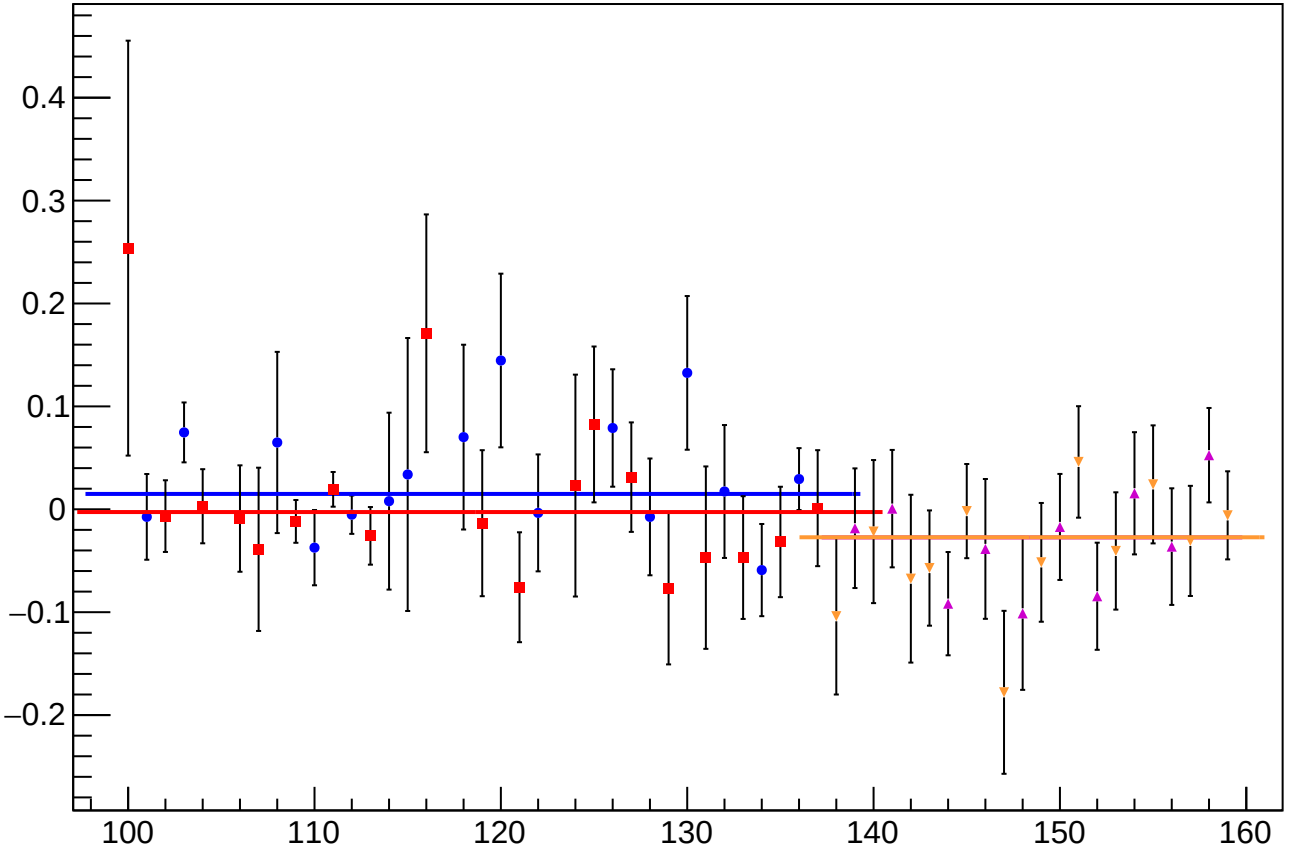
+ sign -0.000+/-0.000 χ^2/NDF: 29.4/27

All: -0.000+/-0.000 χ^2/NDF: 53.7/56

- sign -0.000+/-0.000 χ^2/NDF: 23.8/28


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2785585.7/11
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:3586137.0/9
+ sign 0.002+/-0.000 χ²/NDF: 6591983.8/27
All: 0.002+/-0.000 χ²/NDF: 14634630.4/56
- sign 0.002+/-0.000 χ²/NDF: 7716287.2/28

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

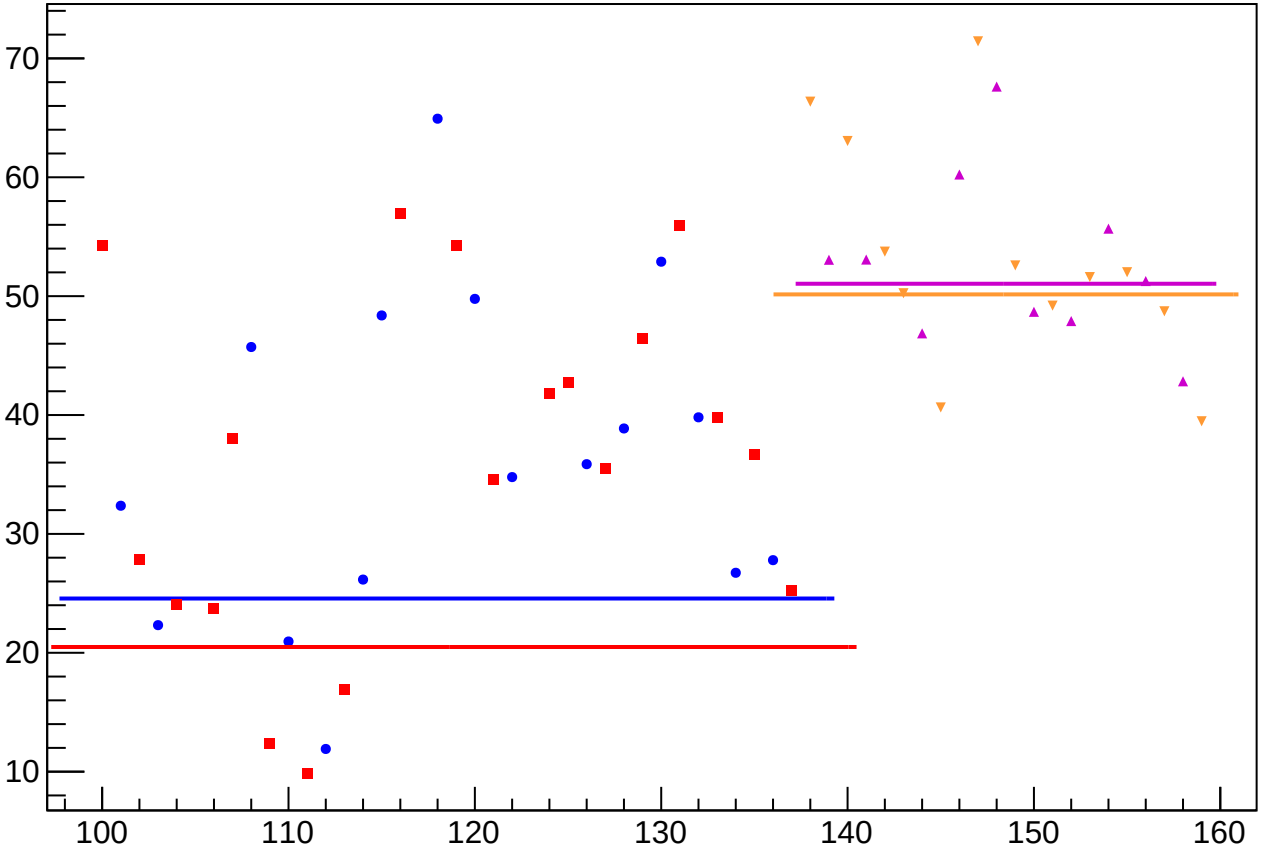
Left In: -0.027+/-0.018 χ^2/NDF:7.7/9

+ sign 0.003+/-0.009 χ^2/NDF: 31.0/27

All: -0.003+/-0.006 χ^2/NDF: 53.5/56

- sign -0.008+/-0.008 χ^2/NDF: 21.7/28

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

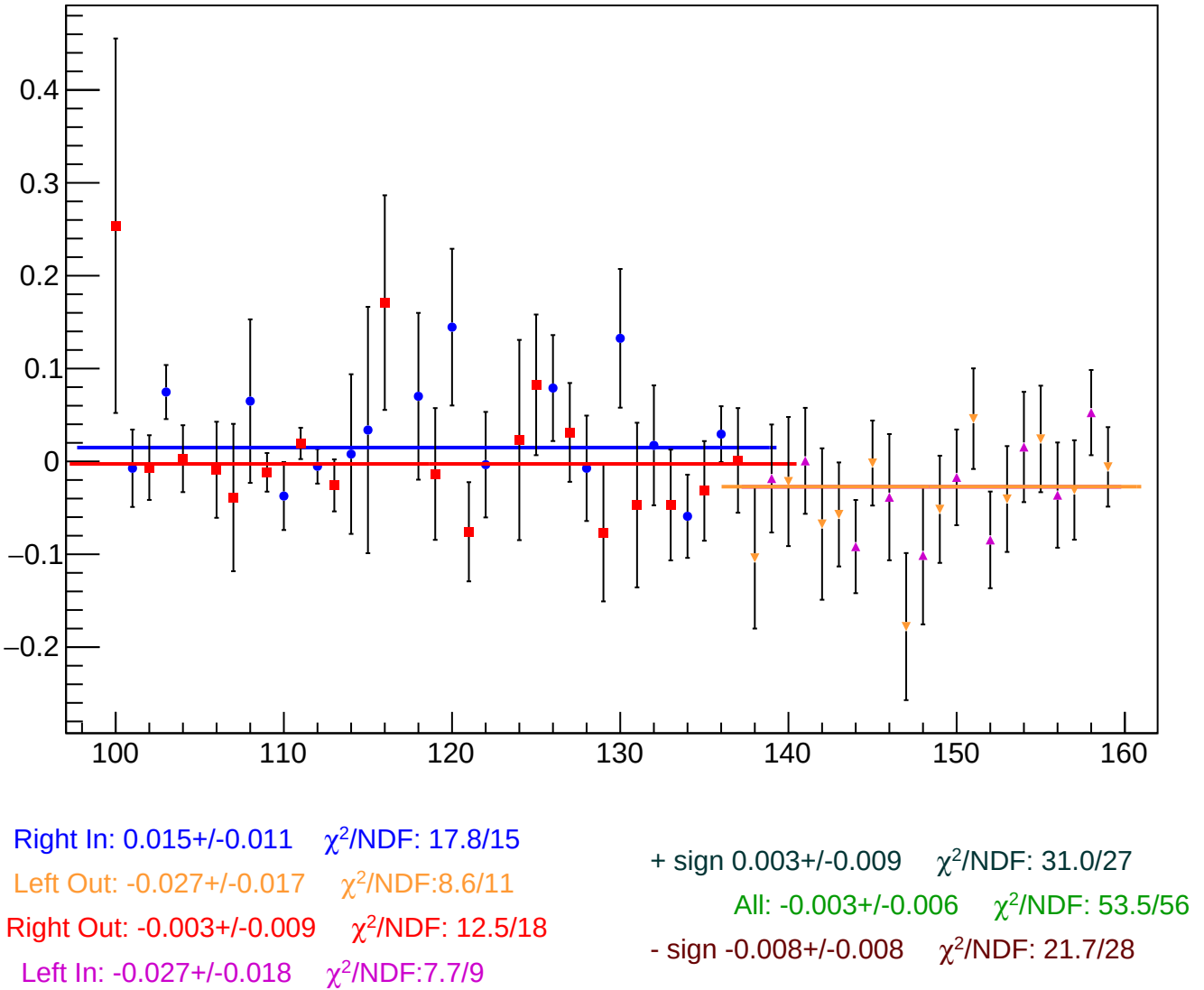
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

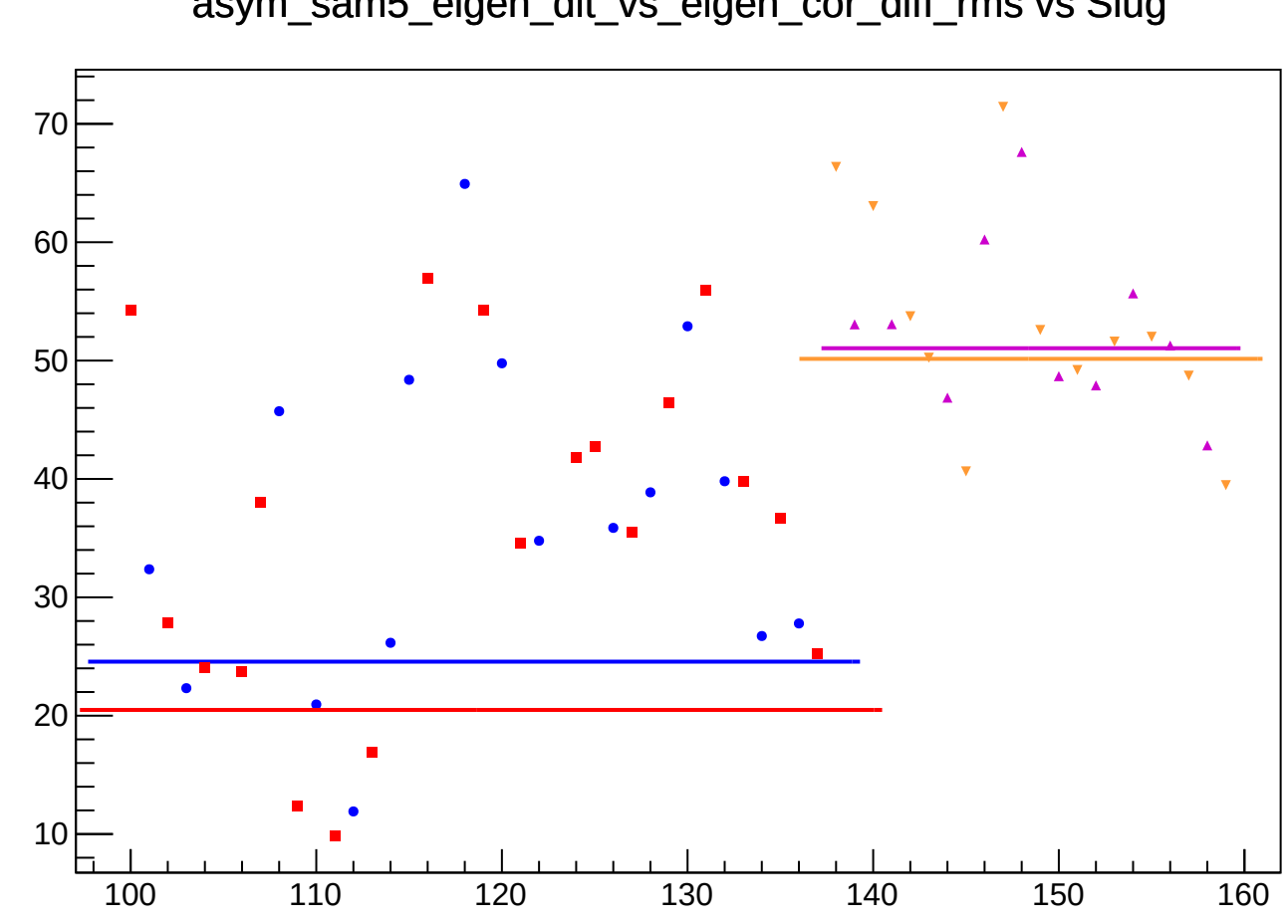
Left In: 51.043+/-0.012 χ^2/NDF:242591.7/9

+ sign 31.969+/-0.006 χ^2/NDF: 6391670.6/27

All: 29.294+/-0.004 χ^2/NDF: 15260550.7/56

- sign 27.050+/-0.006 χ^2/NDF: 8538587.9/28


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: -0.027+/-0.018 χ²/NDF:7.7/9
+ sign 0.003+/-0.009 χ²/NDF: 31.0/27
All: -0.003+/-0.006 χ²/NDF: 53.5/56
- sign -0.008+/-0.008 χ²/NDF: 21.7/28



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

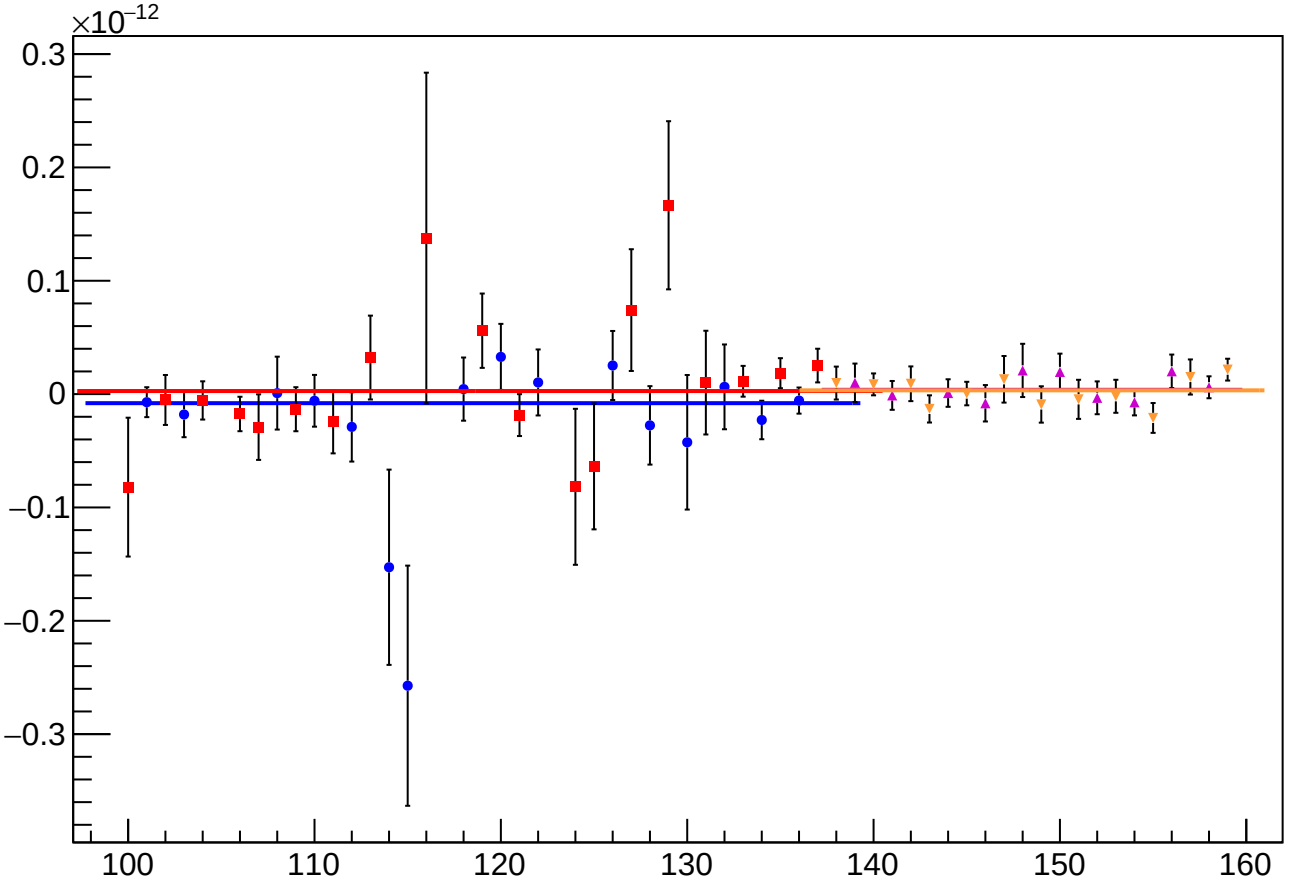
Left In: 51.043+/-0.012 χ^2/NDF:242591.7/9

+ sign 31.969+/-0.006 χ^2/NDF: 6391670.6/27

All: 29.294+/-0.004 χ^2/NDF: 15260550.7/56

- sign 27.050+/-0.006 χ^2/NDF: 8538587.9/28

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

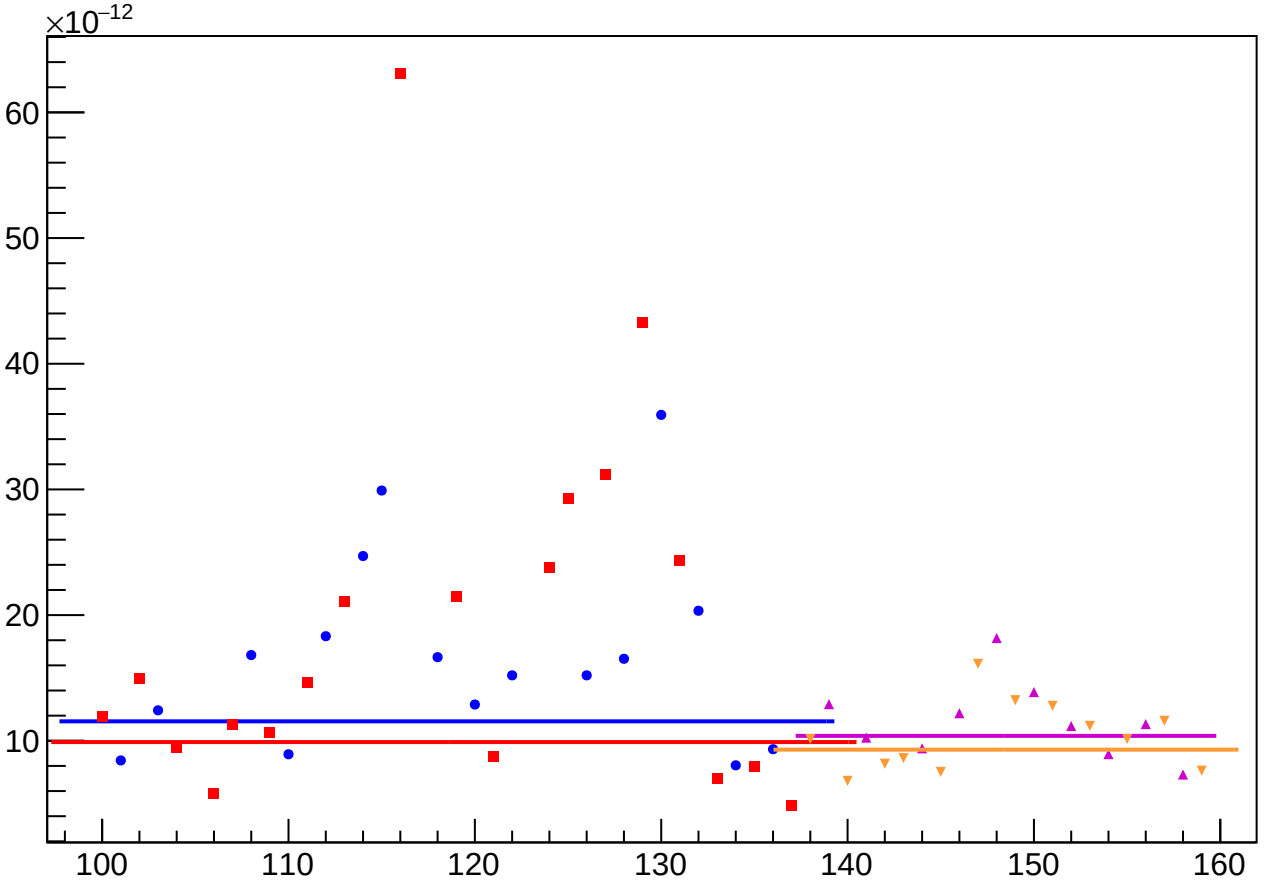
Left In: 0.000+/-0.000 χ^2/NDF:4.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 28.6/27

All: 0.000+/-0.000 χ^2/NDF: 60.0/56

- sign 0.000+/-0.000 χ^2/NDF: 30.9/28

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:783346.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

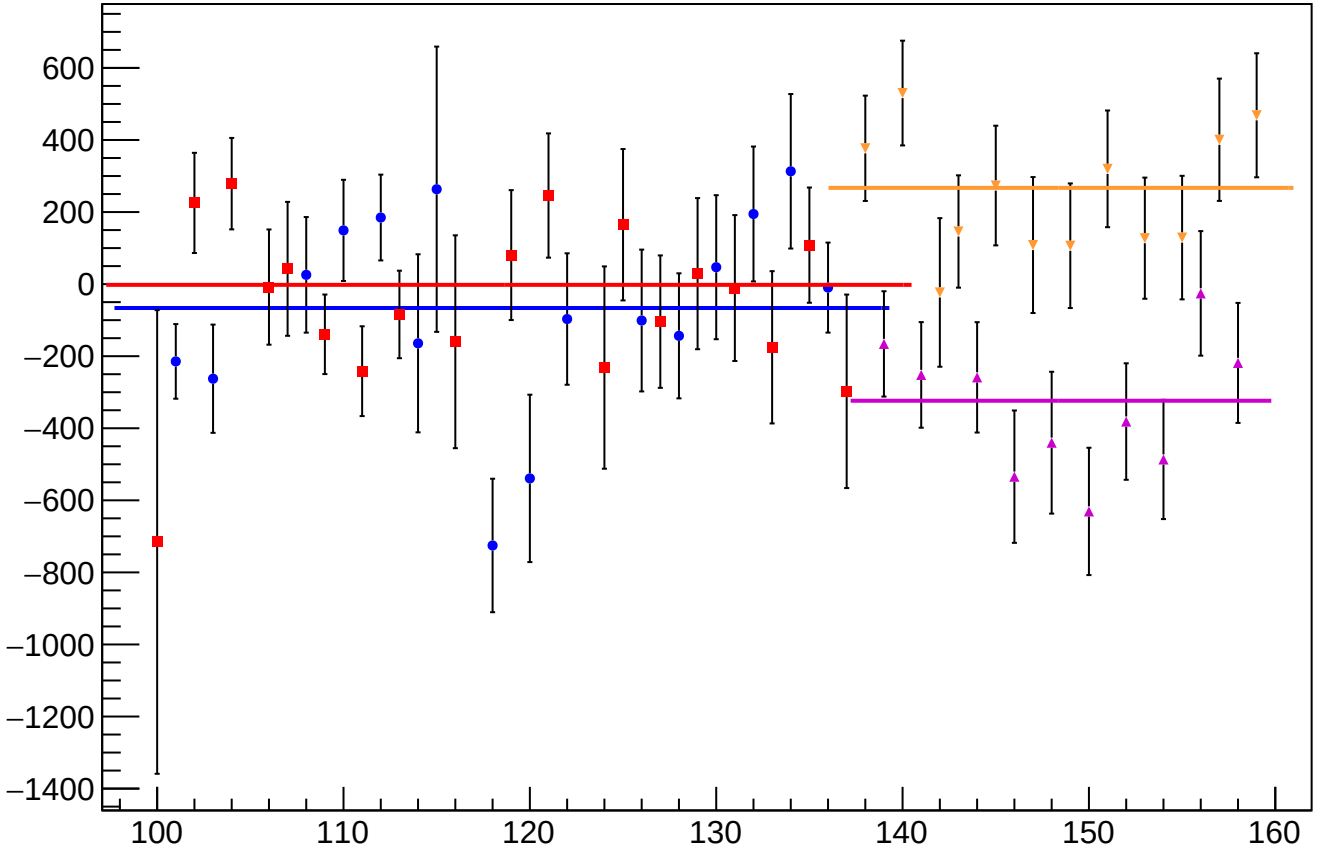
Left In: 0.000+/-0.000 χ^2/NDF:644105.0/9

\+ sign 0.000+/-0.000 χ^2/NDF: 2177195.7/27

All: 0.000+/-0.000 χ^2/NDF: 5472598.7/56

\- sign 0.000+/-0.000 χ^2/NDF: 3290518.9/28

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

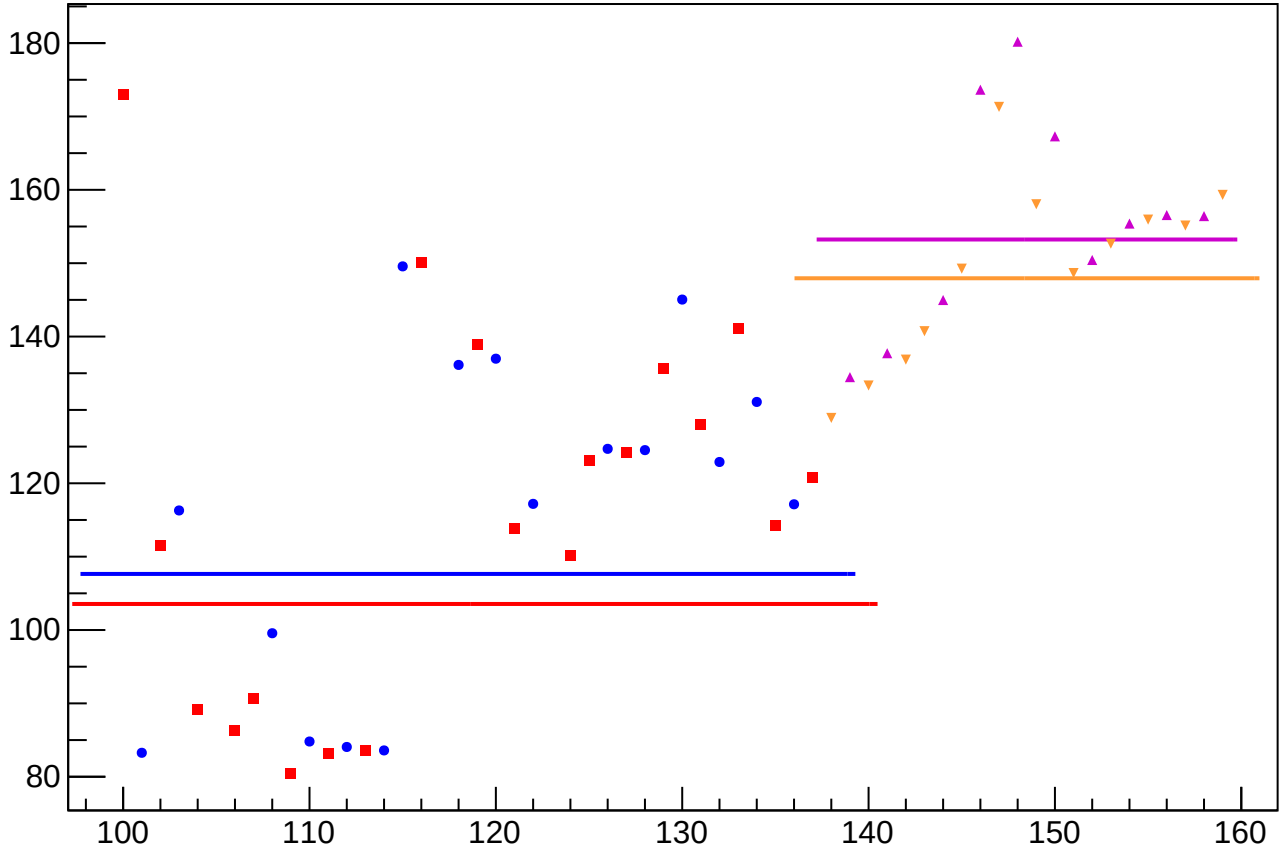
Left In: -323.642+/-52.140 χ^2/NDF:10.7/9

+ sign 73.895+/-31.168 χ^2/NDF: 73.7/27

All: -21.522+/-22.037 χ^2/NDF: 148.8/56

- sign -116.897+/-31.161 χ^2/NDF: 56.3/28

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

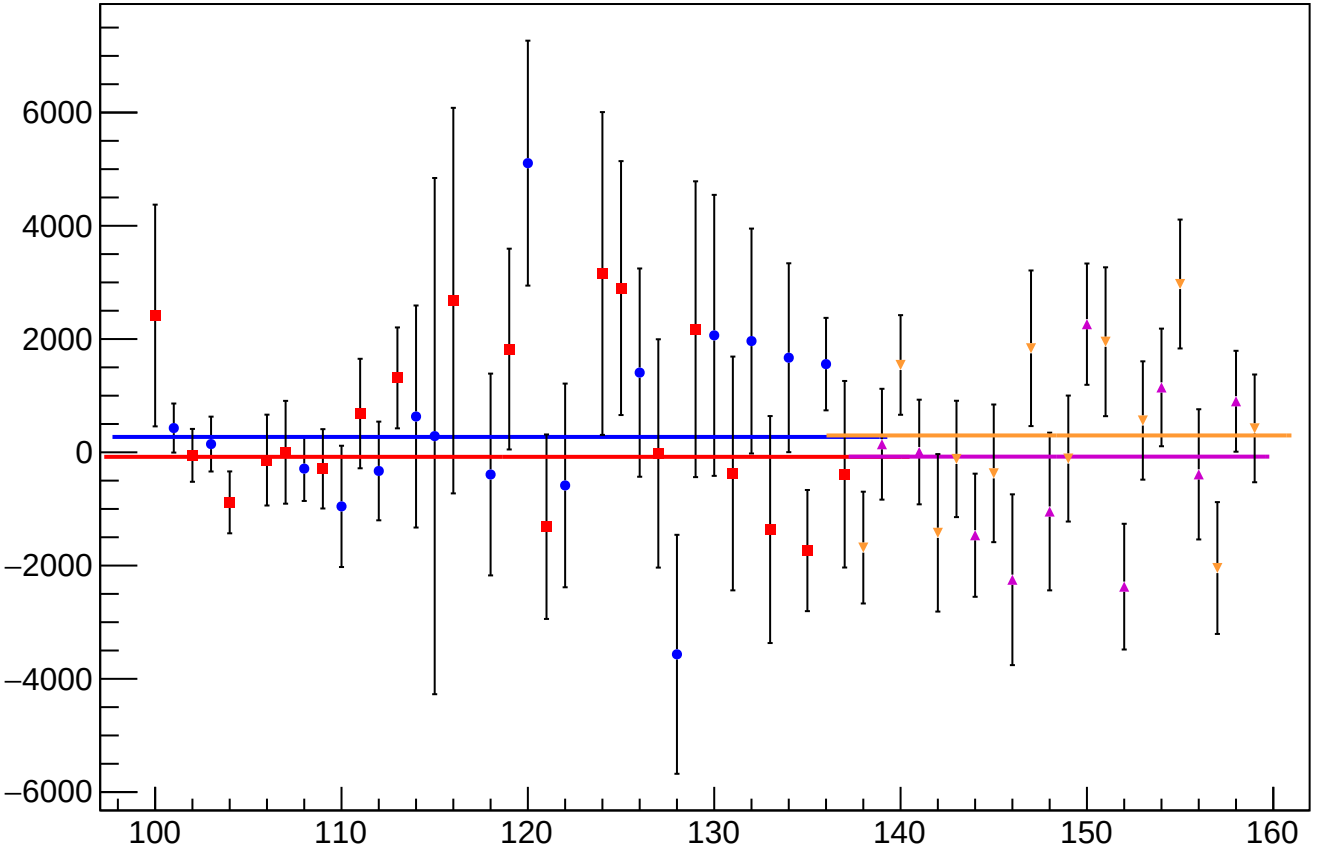
Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

+ sign 124.583+/-0.022 χ^2/NDF: 1467644.0/27

All: 122.939+/-0.016 χ^2/NDF: 3401754.0/56

- sign 121.295+/-0.022 χ^2/NDF: 1922972.4/28

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

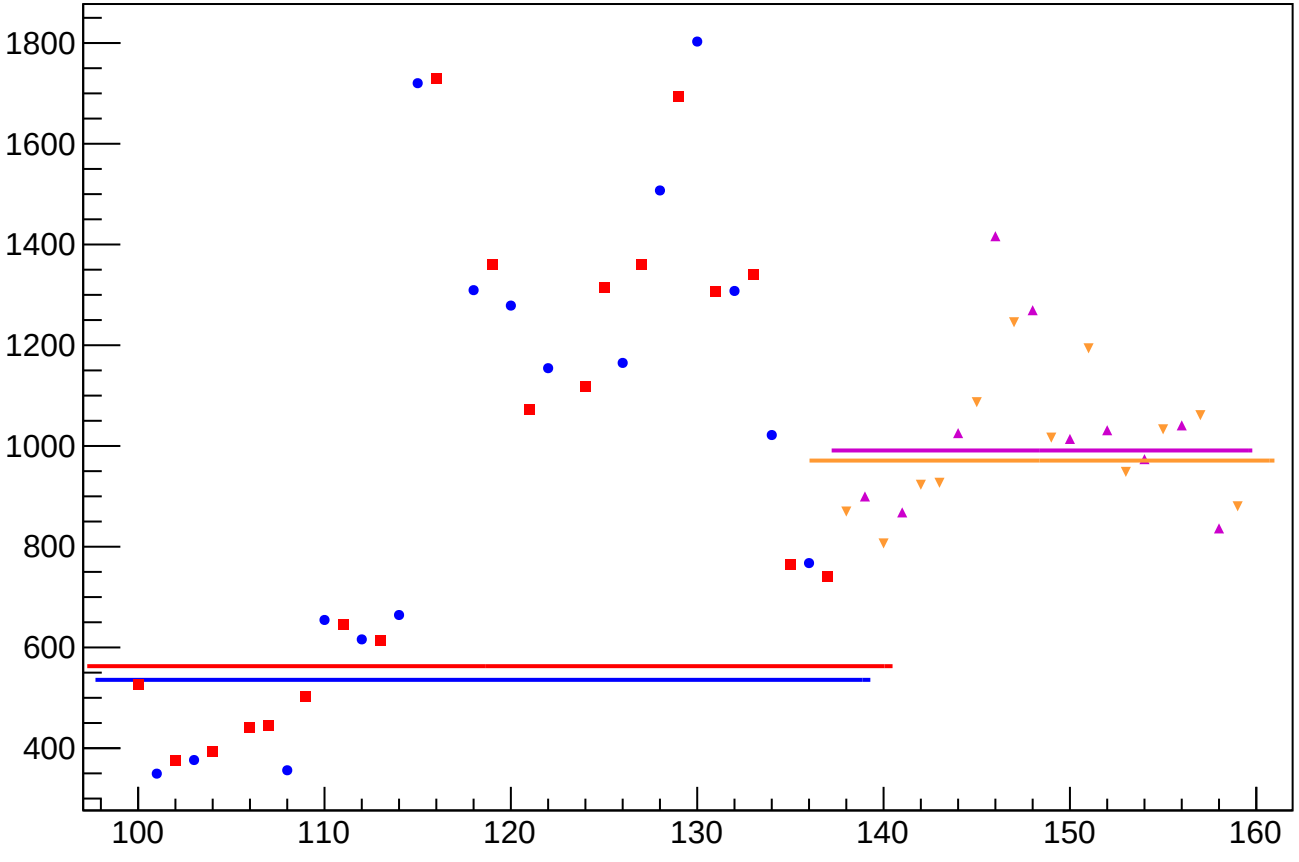
Left In: -76.386+/-340.122 χ^2/NDF:16.0/9

+ sign 280.556+/-186.653 χ^2/NDF: 37.1/27

All: 105.657+/-133.748 χ^2/NDF: 70.9/56

- sign -78.916+/-191.746 χ^2/NDF: 32.0/28

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

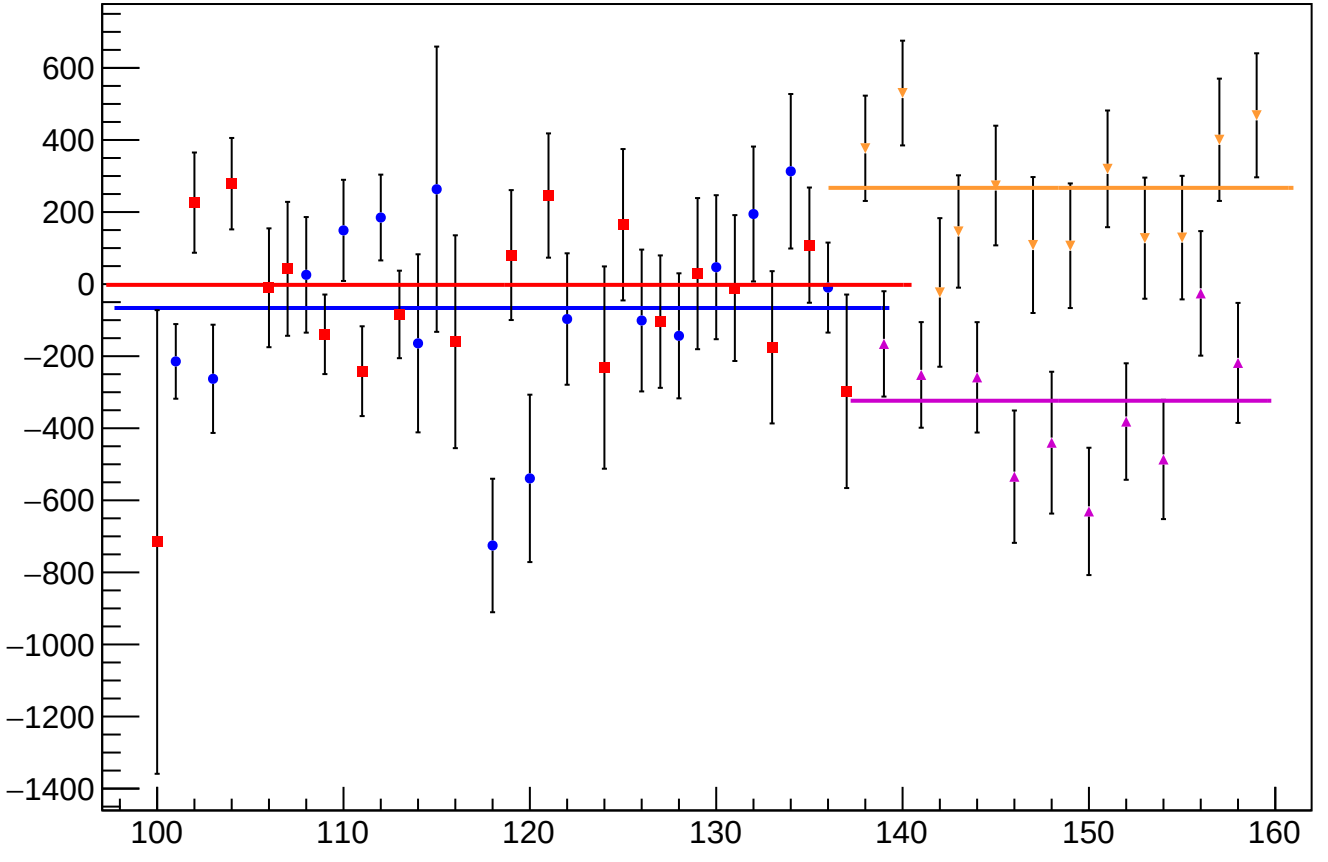
Left In: 991.074+/-0.241 χ^2/NDF:362122.1/9

+ sign 685.957+/-0.132 χ^2/NDF: 6384580.7/27

All: 692.276+/-0.095 χ^2/NDF: 12025223.5/56

- sign 698.945+/-0.136 χ^2/NDF: 5635931.1/28

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

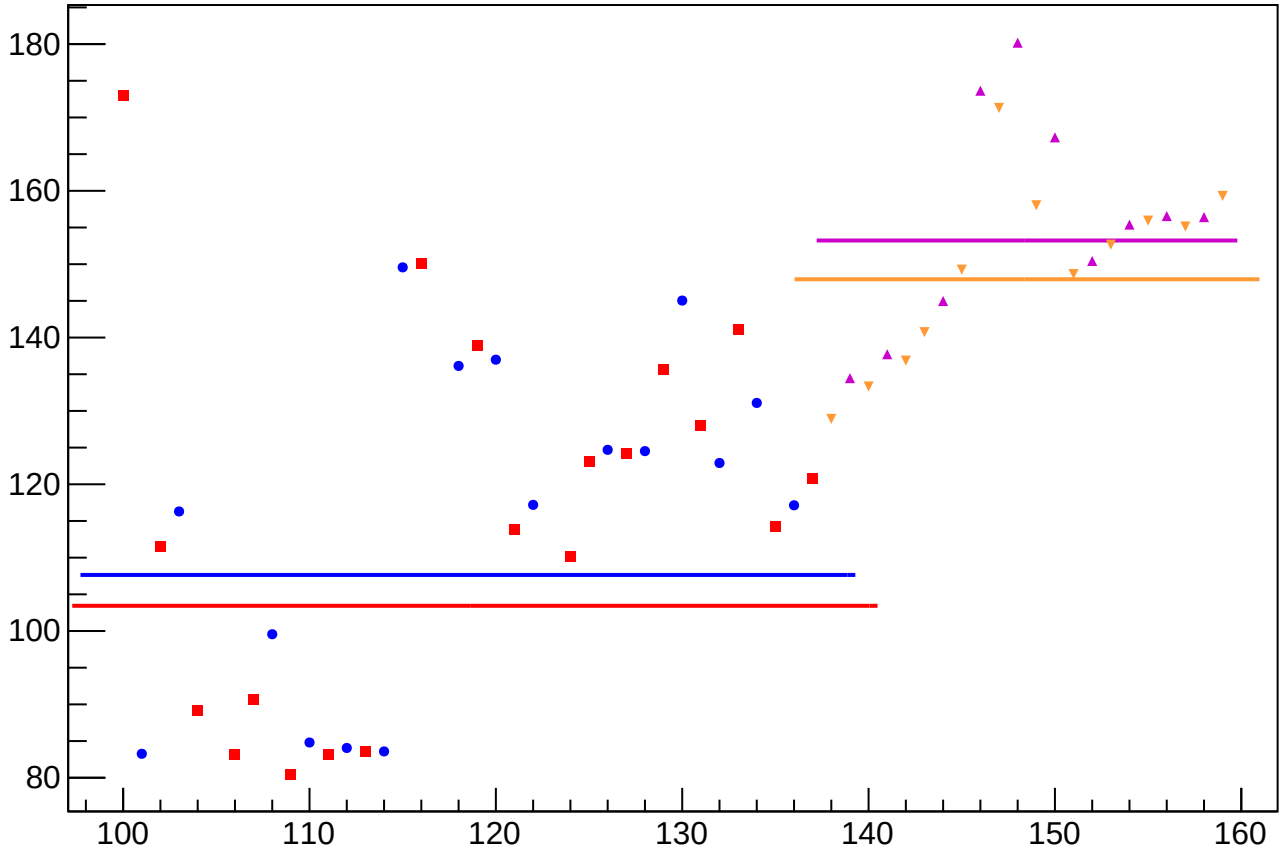
Left In: -323.643+/-52.140 χ^2/NDF:10.7/9

+ sign 73.877+/-31.168 χ^2/NDF: 73.7/27

All: -21.568+/-22.050 χ^2/NDF: 148.8/56

- sign -117.193+/-31.197 χ^2/NDF: 56.3/28

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

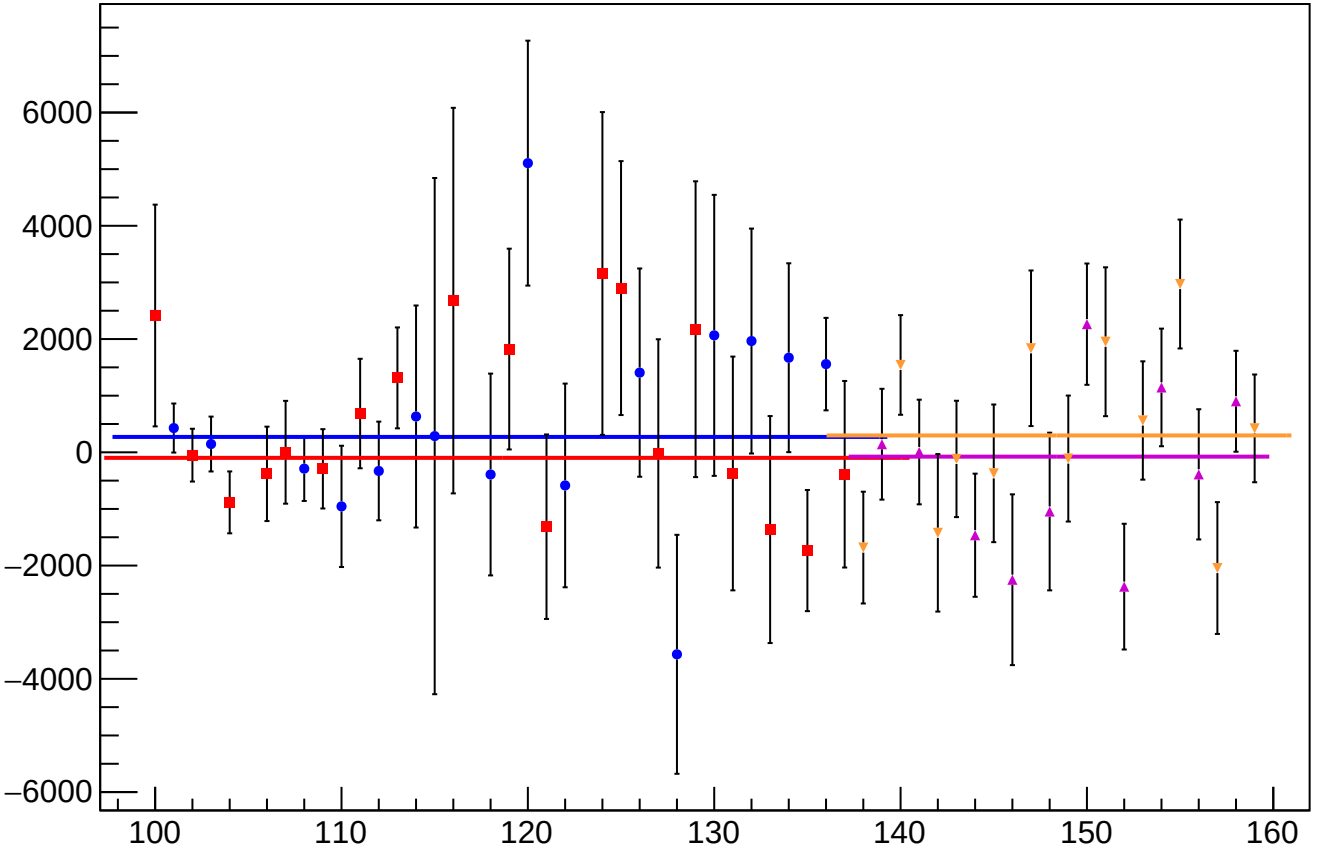
Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

+ sign 124.584+/-0.022 χ^2/NDF: 1467642.8/27

All: 122.925+/-0.016 χ^2/NDF: 3413114.5/56

- sign 121.264+/-0.022 χ^2/NDF: 1934137.5/28

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

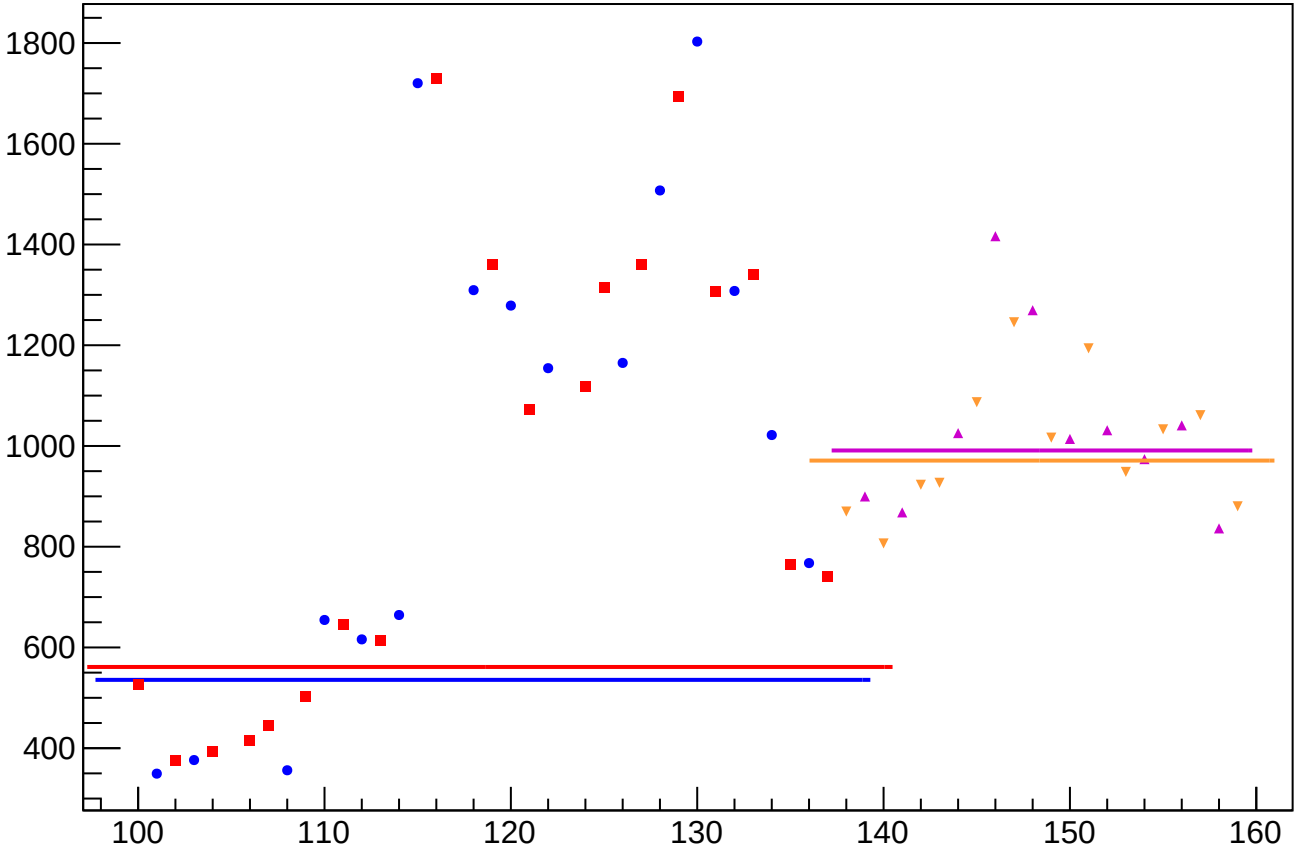
Left In: -76.381+/-340.122 χ^2/NDF:16.0/9

+ sign 280.649+/-186.650 χ^2/NDF: 37.1/27

All: 100.170+/-133.866 χ^2/NDF: 71.1/56

- sign -90.999+/-192.098 χ^2/NDF: 32.1/28

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

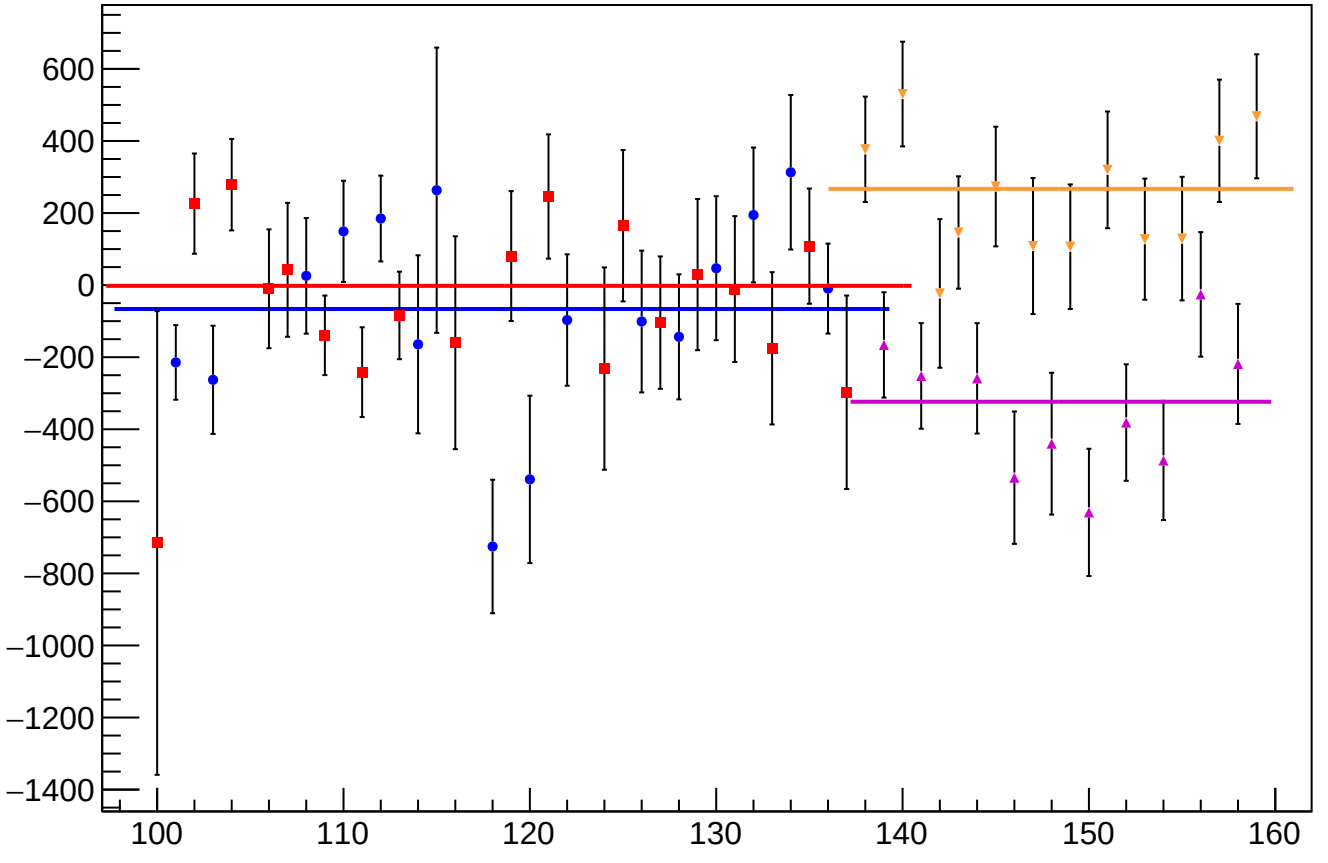
Left In: 991.074+/-0.241 χ^2/NDF:362121.5/9

+ sign 685.937+/-0.132 χ^2/NDF: 6385081.3/27

All: 691.976+/-0.095 χ^2/NDF: 12057258.9/56

- sign 698.374+/-0.136 χ^2/NDF: 5667865.5/28

eigen_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

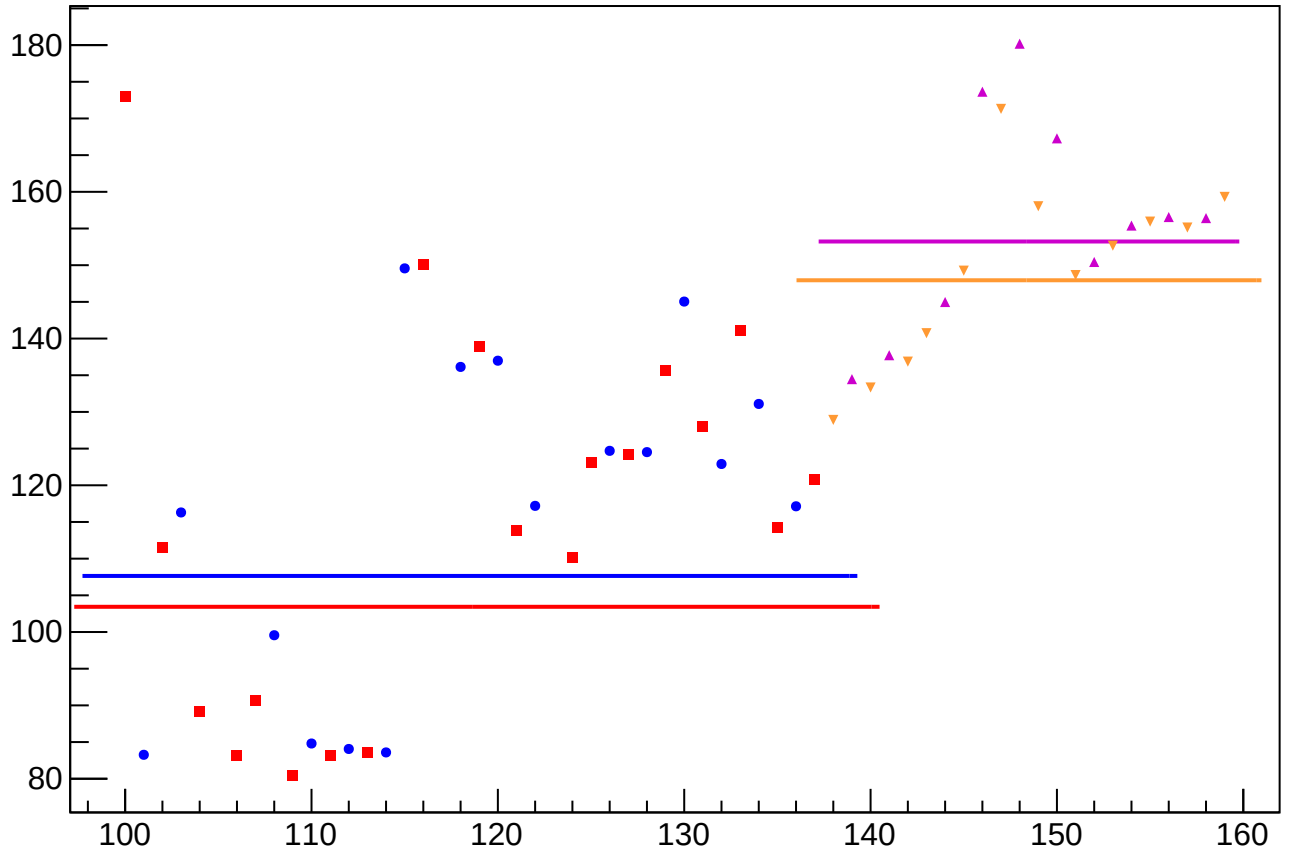
Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: -323.643+/-52.140 χ^2/NDF:10.7/9

+ sign 73.877+/-31.168 χ^2/NDF: 73.7/27

All: -21.568+/-22.050 χ^2/NDF: 148.8/56

- sign -117.193+/-31.197 χ^2/NDF: 56.3/28



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 147.945+/-0.034 χ^2/NDF:120097.9/11

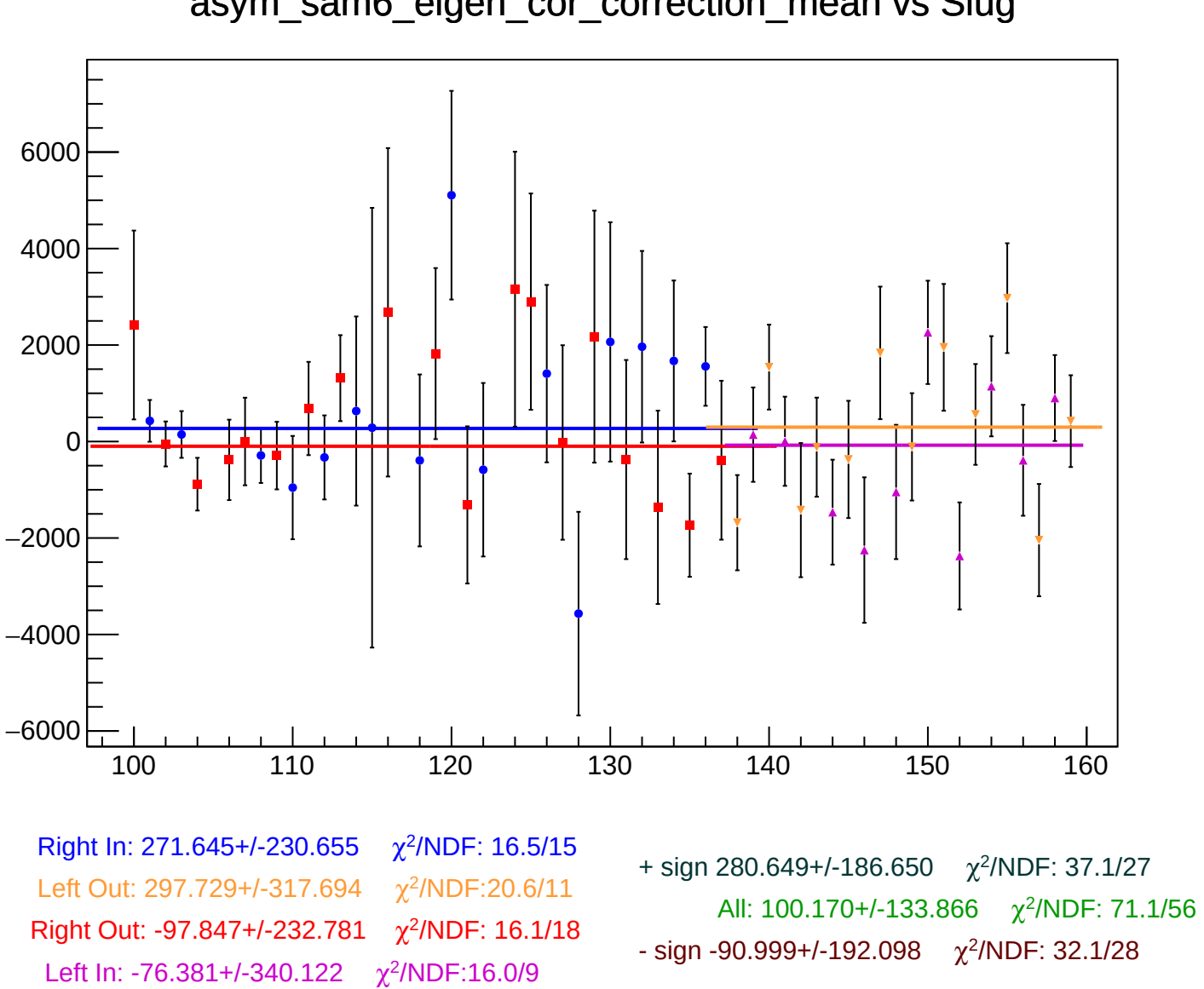
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 153.229+/-0.037 χ^2/NDF:138470.7/9

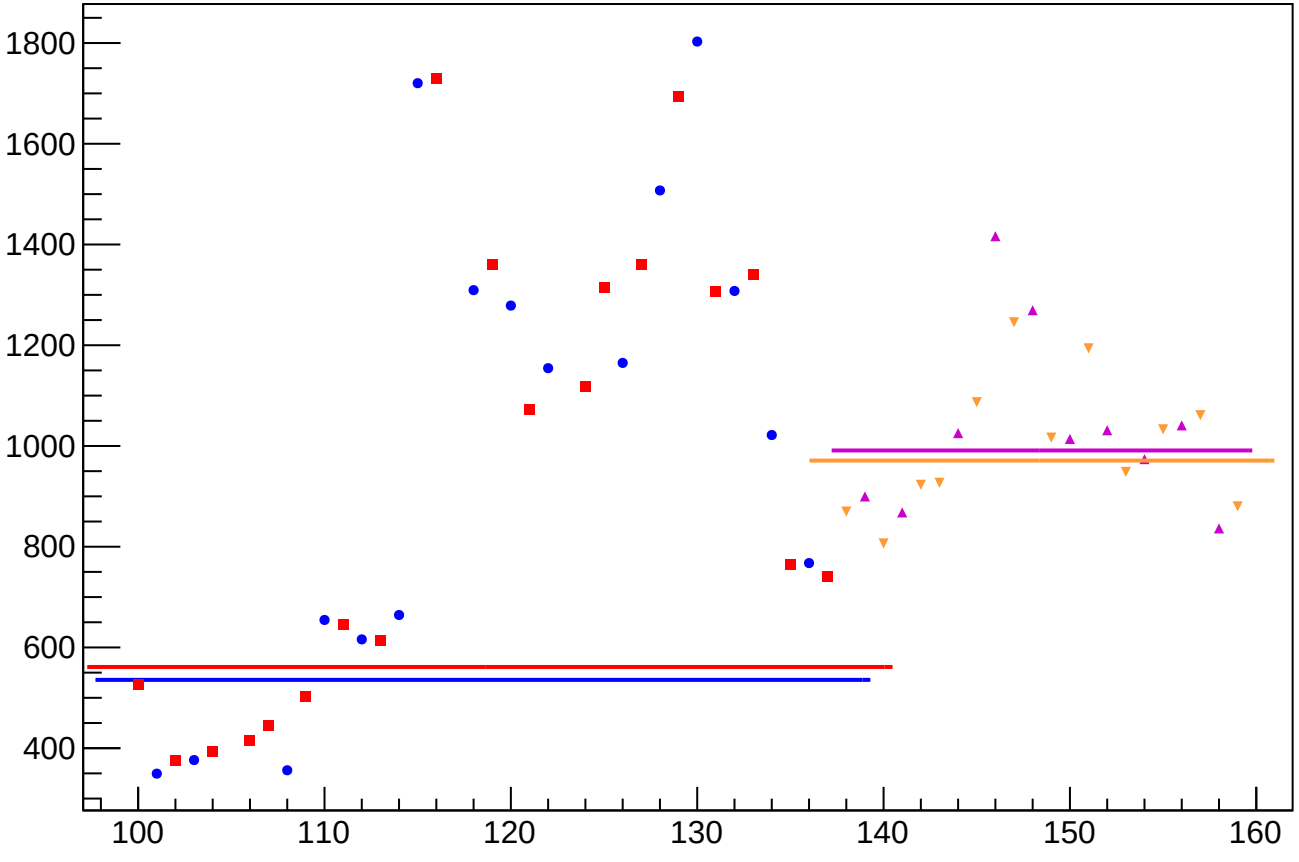
+ sign 124.584+/-0.022 χ^2/NDF: 1467642.8/27

All: 122.925+/-0.016 χ^2/NDF: 3413114.5/56

- sign 121.264+/-0.022 χ^2/NDF: 1934137.5/28


asym_sam6_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 271.645+/-230.655 χ²/NDF: 16.5/15
Left Out: 297.729+/-317.694 χ²/NDF:20.6/11
Right Out: -97.847+/-232.781 χ²/NDF: 16.1/18
Left In: -76.381+/-340.122 χ²/NDF:16.0/9
+ sign 280.649+/-186.650 χ²/NDF: 37.1/27
All: 100.170+/-133.866 χ²/NDF: 71.1/56
- sign -90.999+/-192.098 χ²/NDF: 32.1/28

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

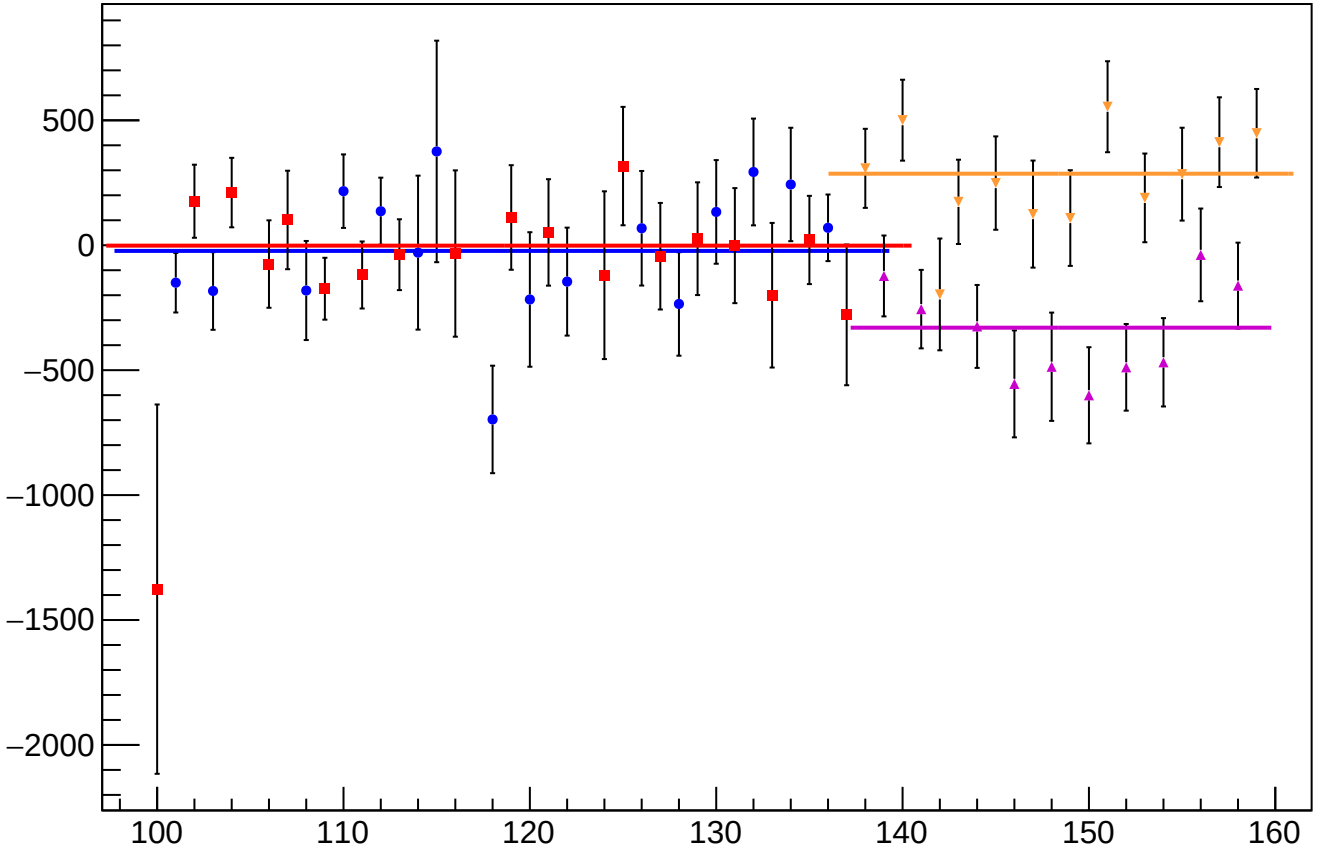
Left In: 991.074+/-0.241 χ^2/NDF:362121.5/9

+ sign 685.937+/-0.132 χ^2/NDF: 6385081.3/27

All: 691.976+/-0.095 χ^2/NDF: 12057258.9/56

- sign 698.374+/-0.136 χ^2/NDF: 5667865.5/28

dit_asym_sam6_mean vs Slug



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

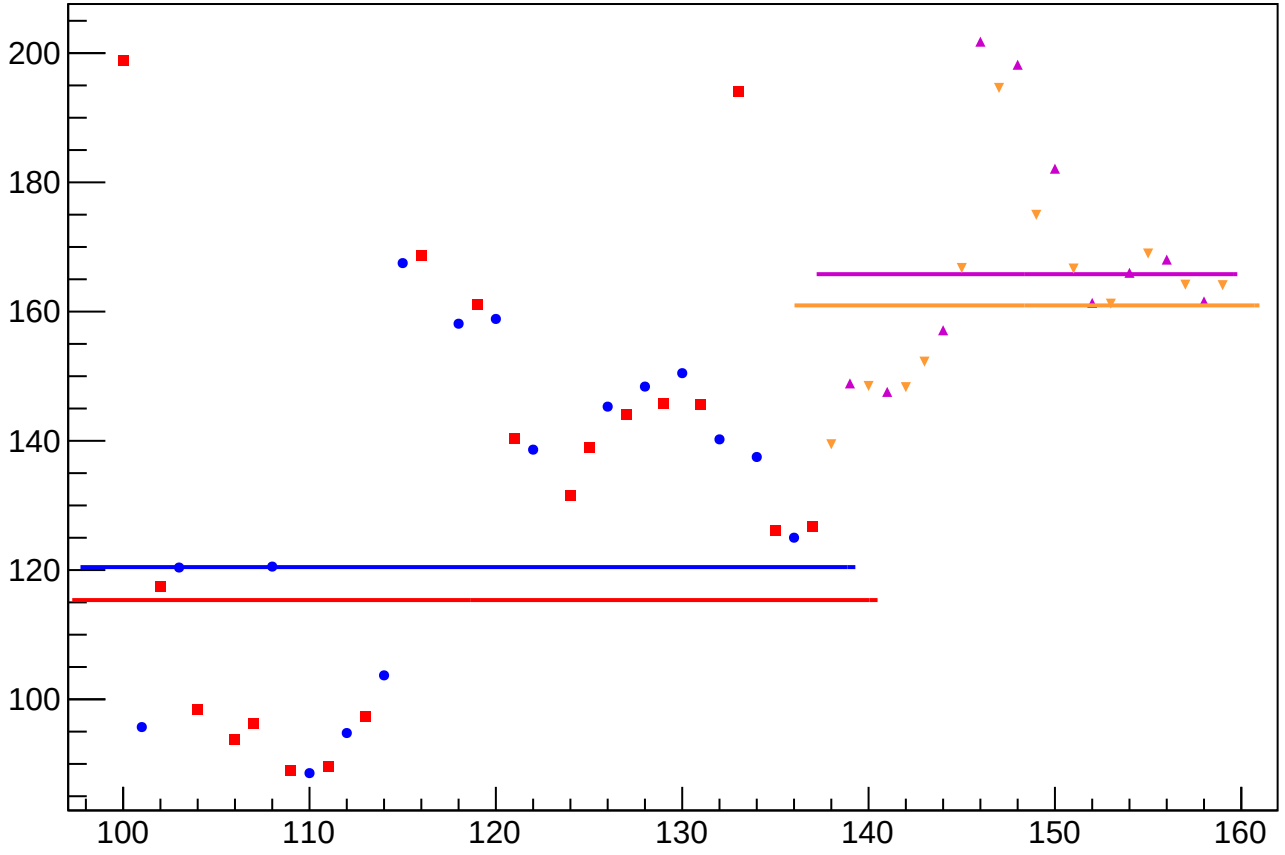
Left In: -330.012+/-56.498 χ^2/NDF:10.3/9

+ sign 111.590+/-34.522 χ^2/NDF: 56.0/27

All: -6.311+/-24.403 χ^2/NDF: 125.1/56

- sign -124.049+/-34.499 χ^2/NDF: 45.8/28

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

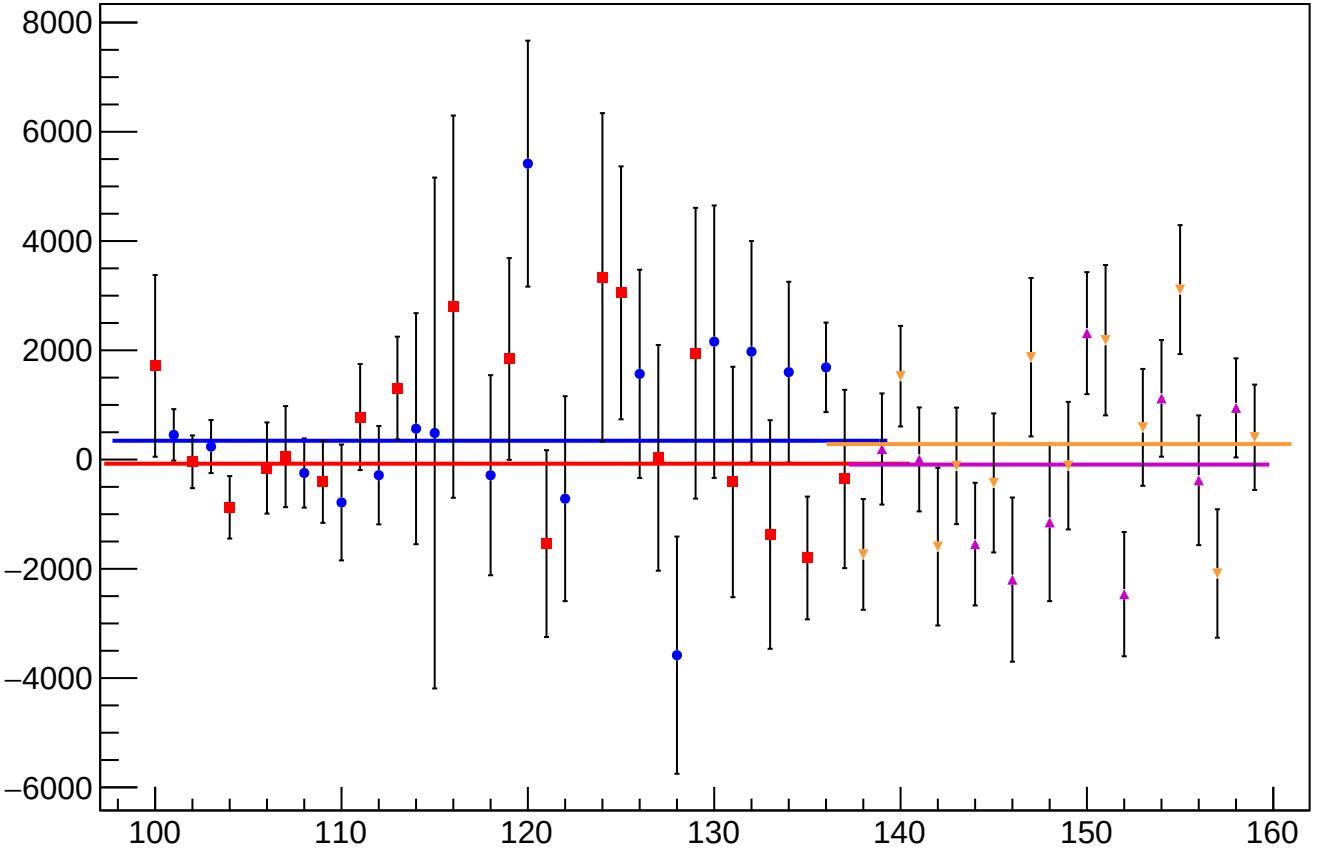
Left In: 165.792+/-0.040 χ^2/NDF:172673.0/9

+ sign 138.056+/-0.024 χ^2/NDF: 1336063.6/27

All: 136.107+/-0.017 χ^2/NDF: 3288230.7/56

- sign 134.162+/-0.024 χ^2/NDF: 1939436.8/28

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

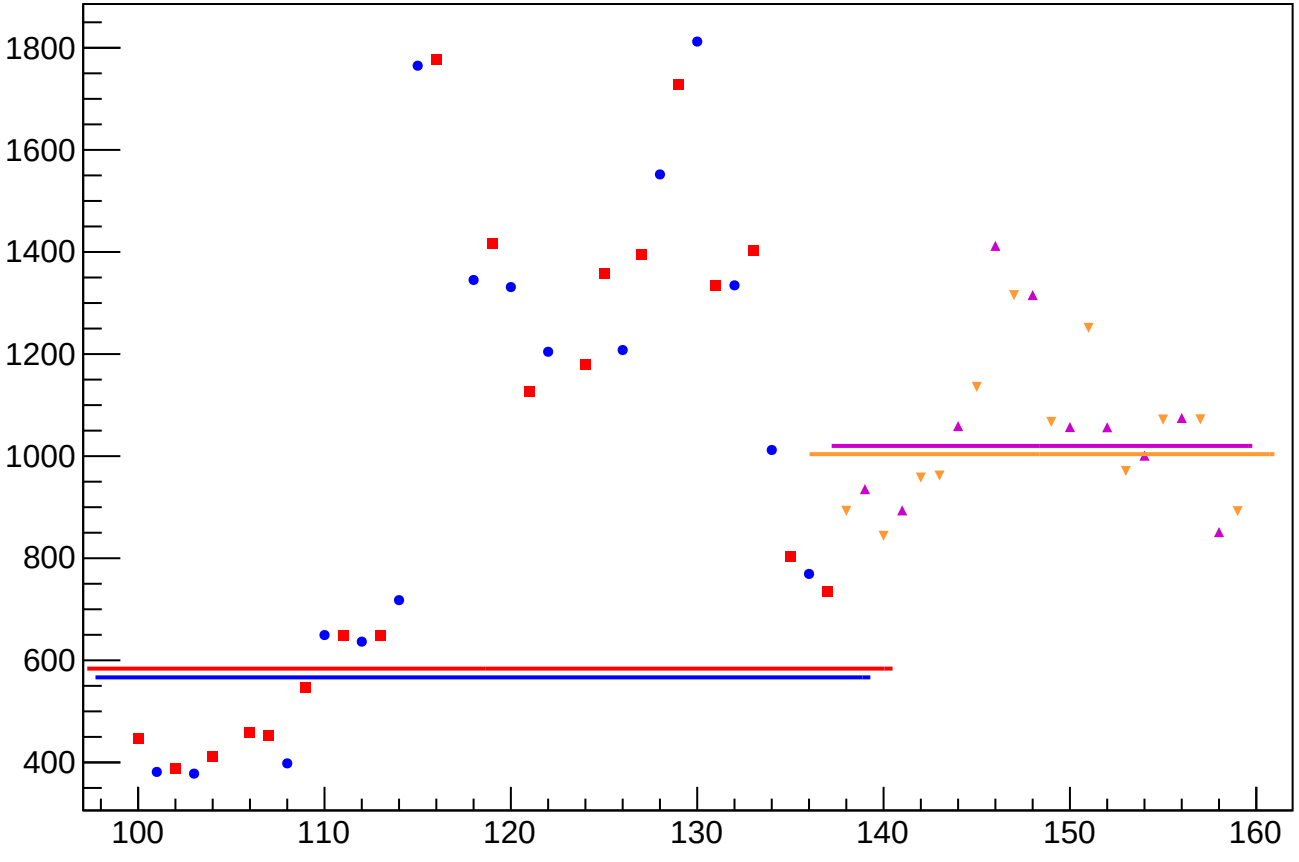
Left In: -91.506+/-349.939 χ^2/NDF:15.9/9

+ sign 322.974+/-194.625 χ^2/NDF: 37.3/27

All: 124.857+/-138.865 χ^2/NDF: 70.6/56

- sign -80.589+/-198.192 χ^2/NDF: 31.2/28

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

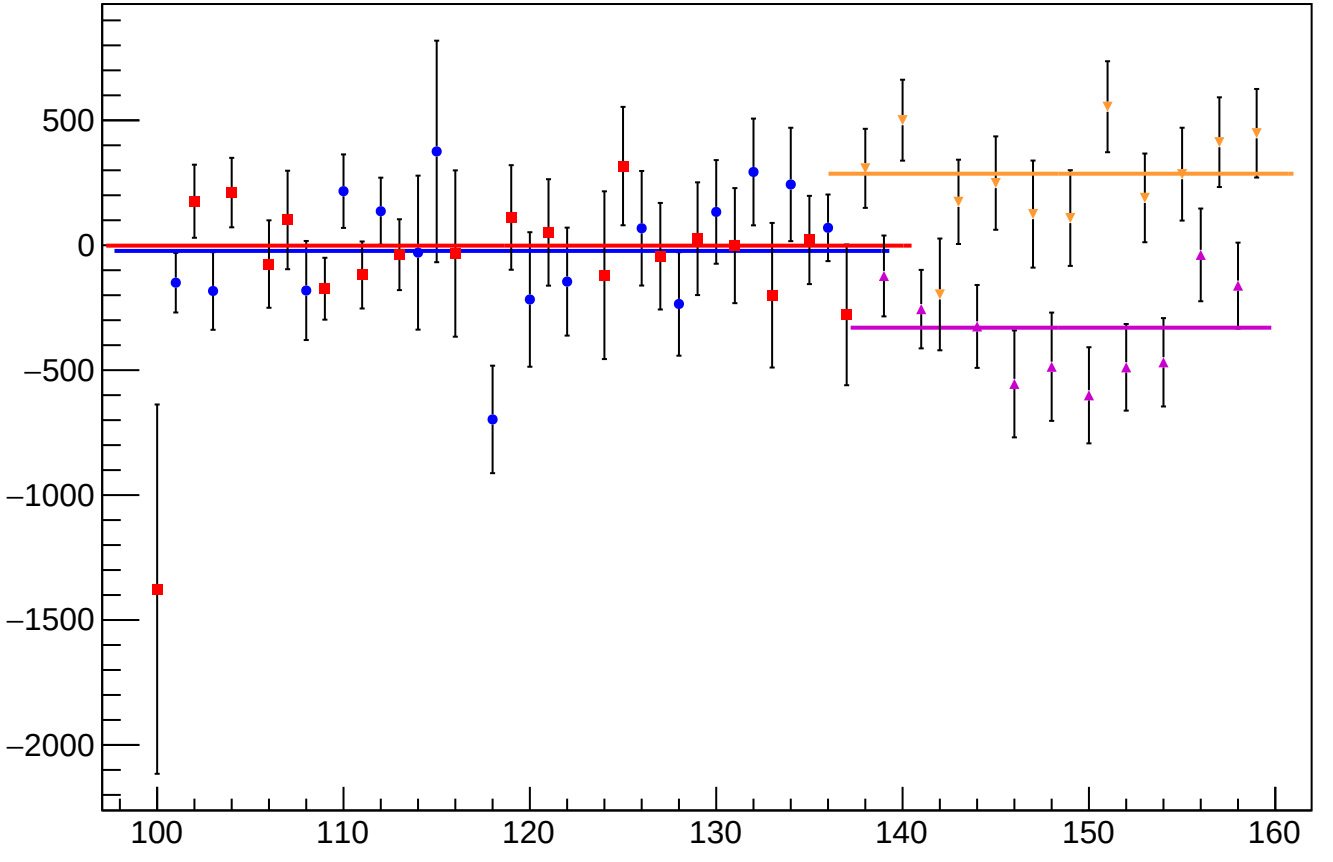
Left In: 1020.073+/-0.247 χ^2/NDF:350024.2/9

+ sign 719.966+/-0.138 χ^2/NDF: 6047595.2/27

All: 721.818+/-0.098 χ^2/NDF: 11617013.7/56

- sign 723.738+/-0.140 χ^2/NDF: 5569049.6/28

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

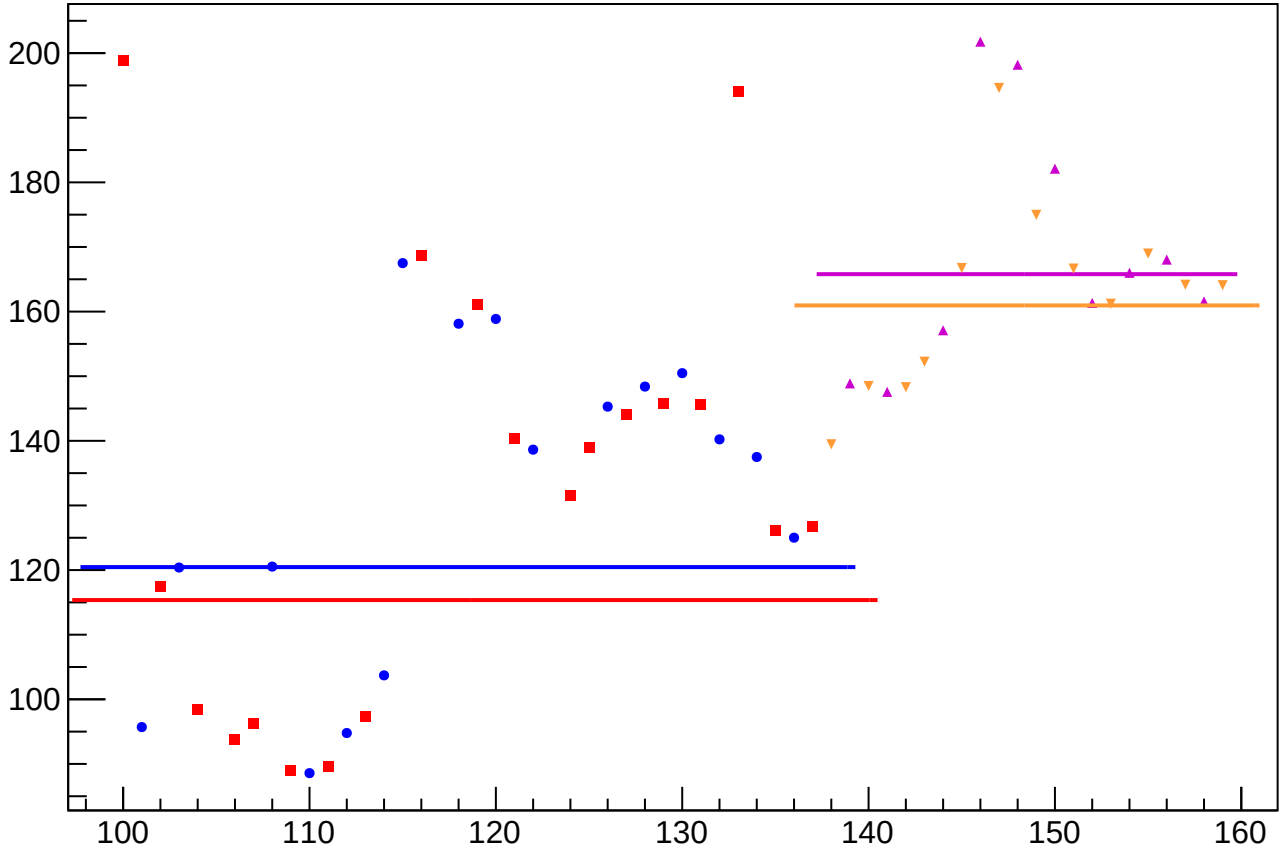
Left In: -330.012+/-56.498 χ^2/NDF:10.3/9

+ sign 111.589+/-34.522 χ^2/NDF: 56.0/27

All: -6.312+/-24.403 χ^2/NDF: 125.1/56

- sign -124.050+/-34.499 χ^2/NDF: 45.8/28

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

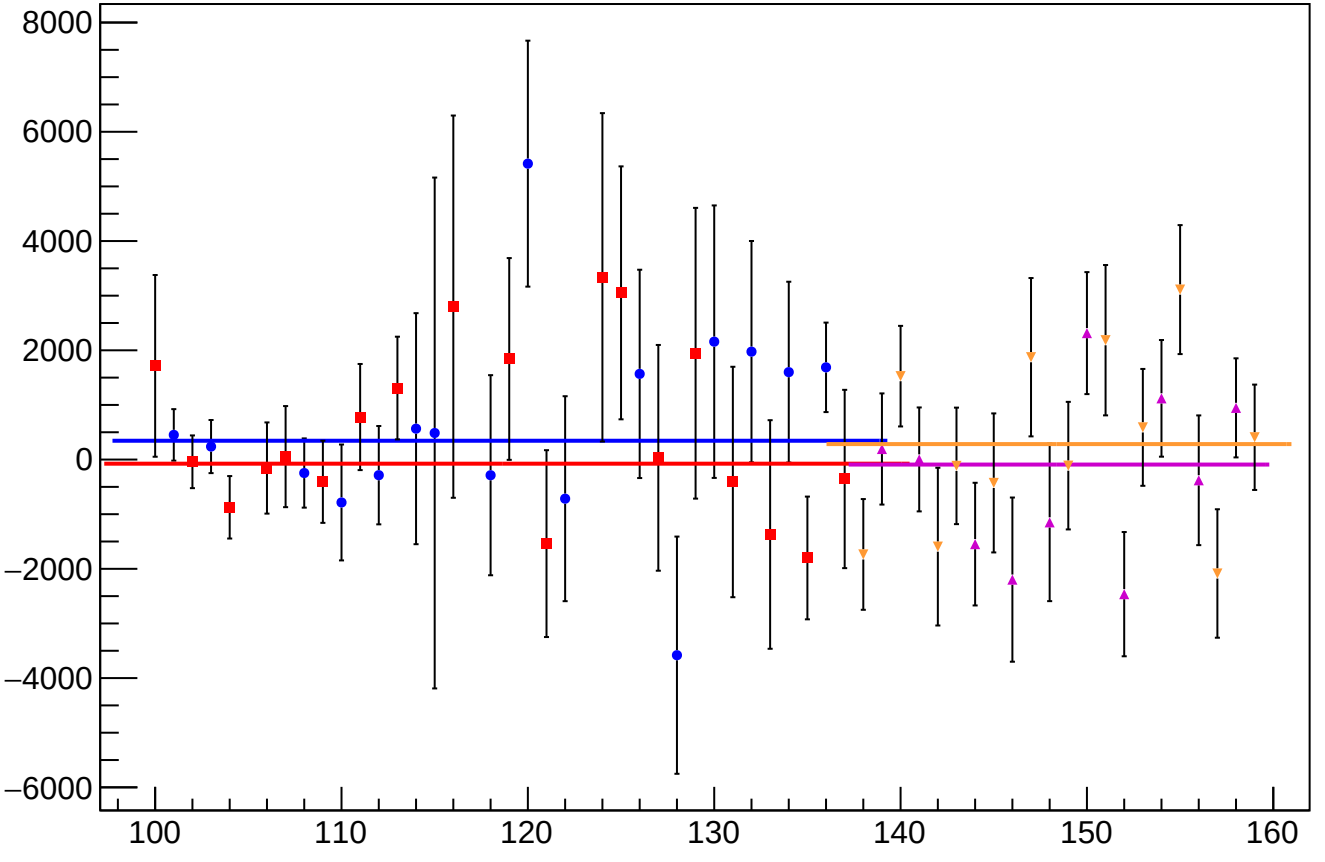
Left In: 165.792+/-0.040 χ^2/NDF:172673.4/9

+ sign 138.055+/-0.024 χ^2/NDF: 1336069.6/27

All: 136.107+/-0.017 χ^2/NDF: 3288239.6/56

- sign 134.162+/-0.024 χ^2/NDF: 1939440.0/28

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

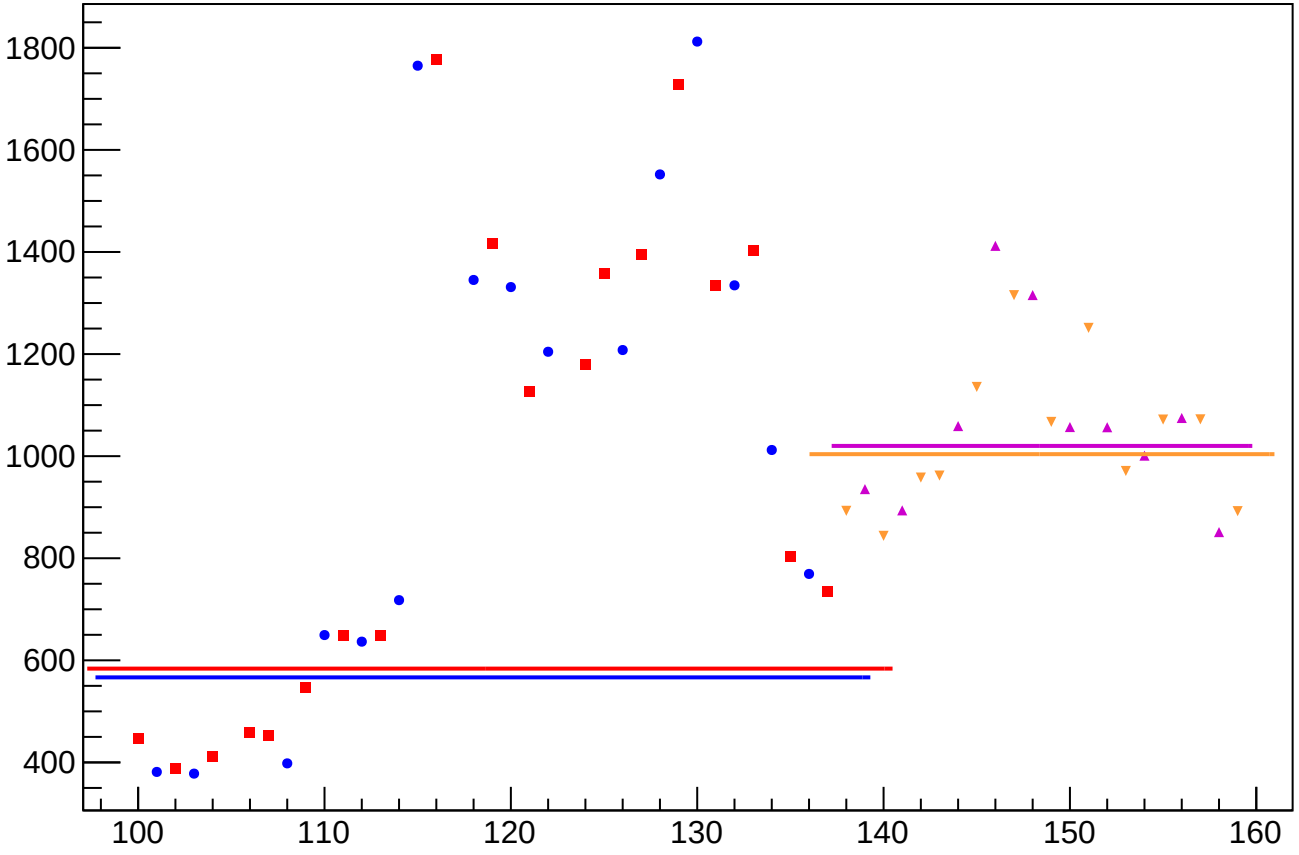
Left In: -91.505+/-349.939 χ^2/NDF:15.9/9

\+ sign 322.974+/-194.625 χ^2/NDF: 37.3/27

All: 124.857+/-138.865 χ^2/NDF: 70.6/56

\- sign -80.590+/-198.192 χ^2/NDF: 31.2/28

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

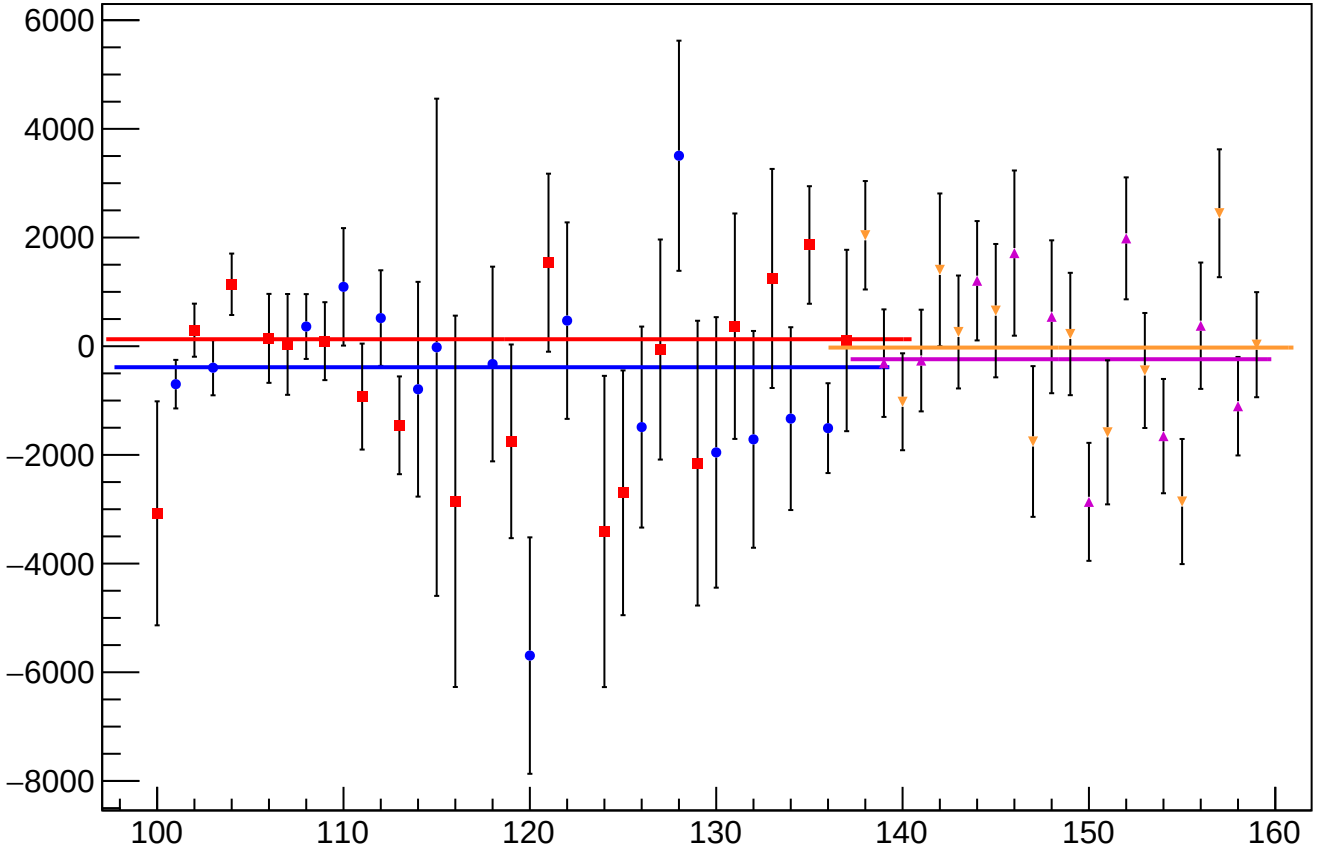
Left In: 1020.073+/-0.247 χ^2/NDF:350026.9/9

+ sign 719.965+/-0.138 χ^2/NDF: 6047608.3/27

All: 721.817+/-0.098 χ^2/NDF: 11617033.1/56

- sign 723.737+/-0.140 χ^2/NDF: 5569055.9/28

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

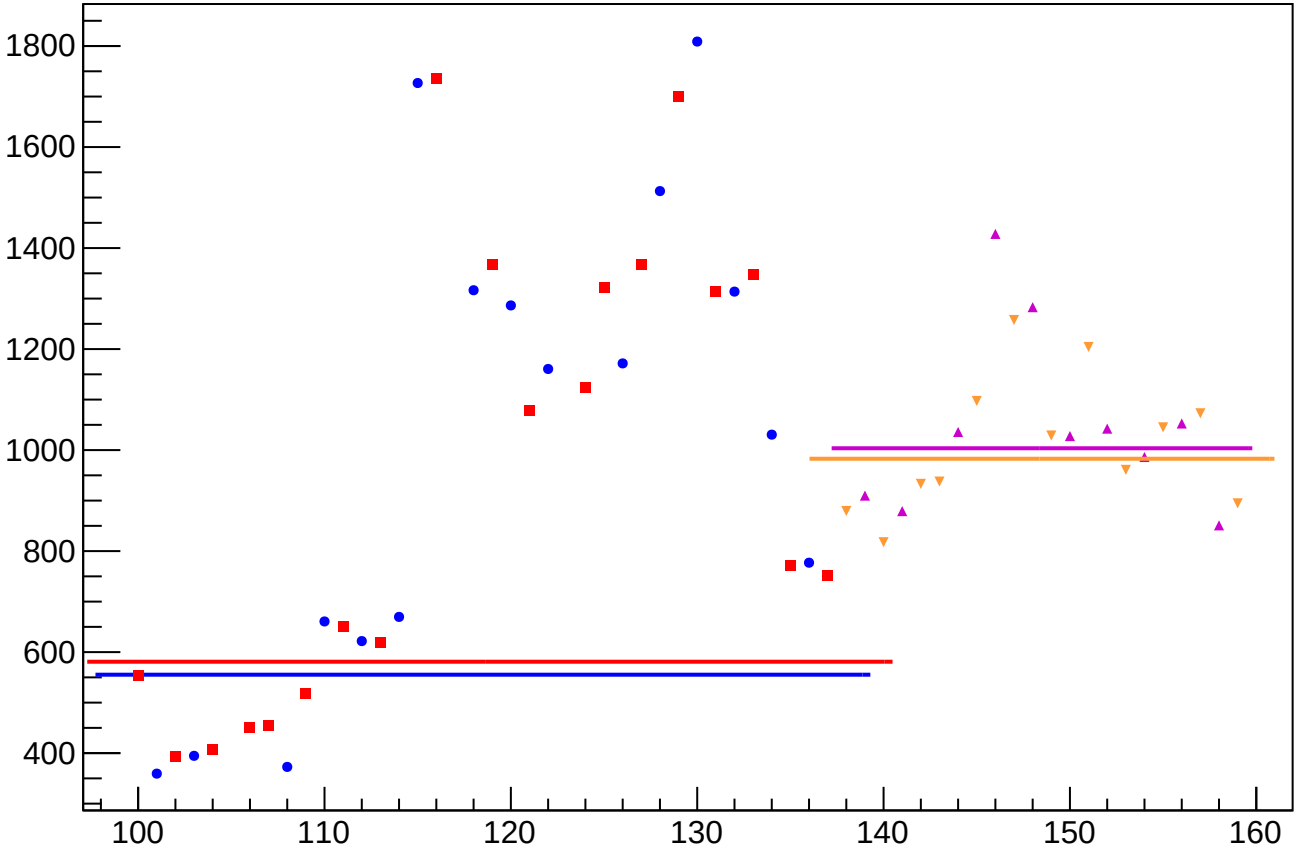
Left In: -239.281+/-344.317 χ^2/NDF:16.5/9

+ sign -258.826+/-191.039 χ^2/NDF: 39.3/27

All: -128.051+/-136.776 χ^2/NDF: 76.9/56

- sign 9.485+/-195.915 χ^2/NDF: 36.6/28

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

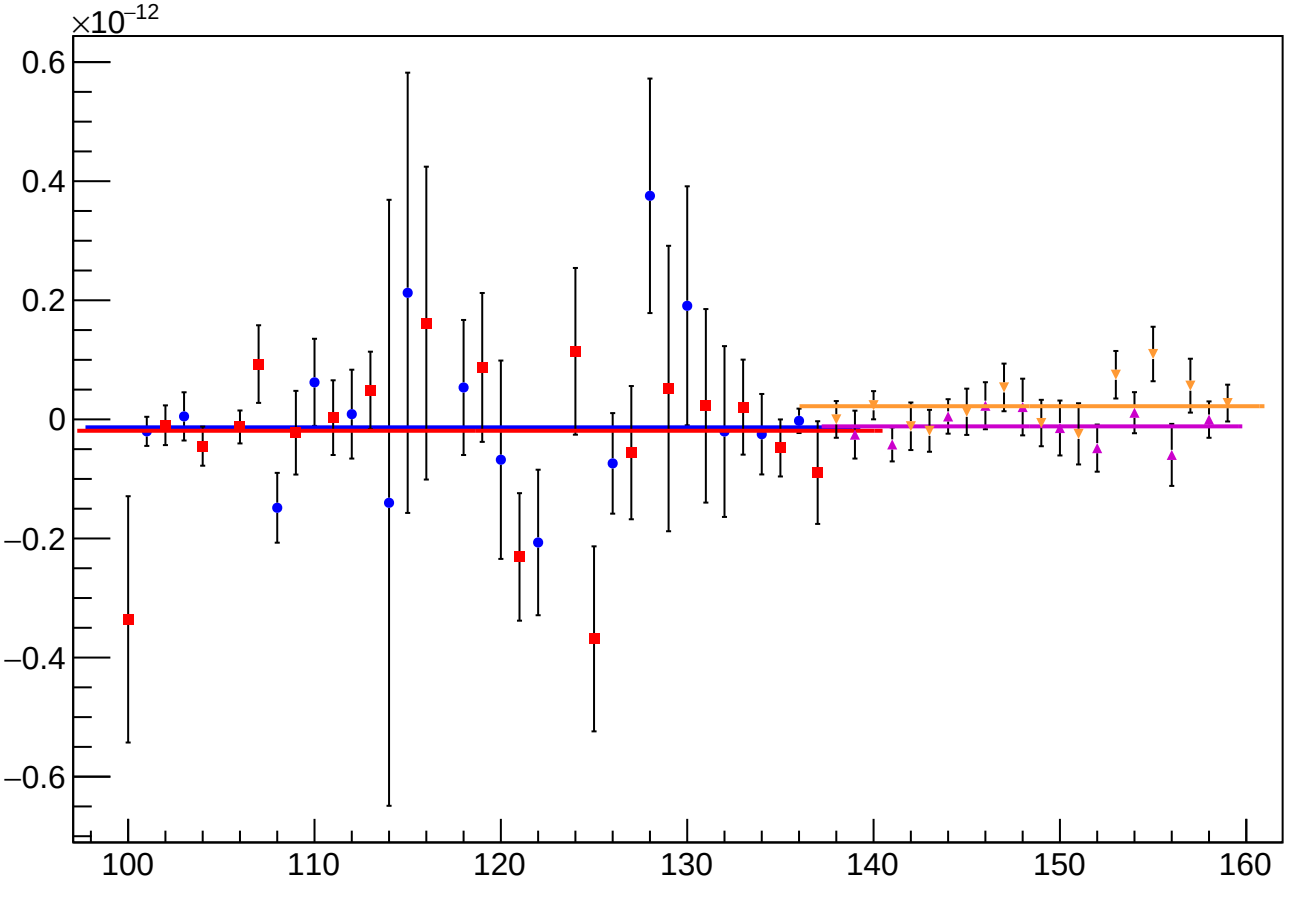
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

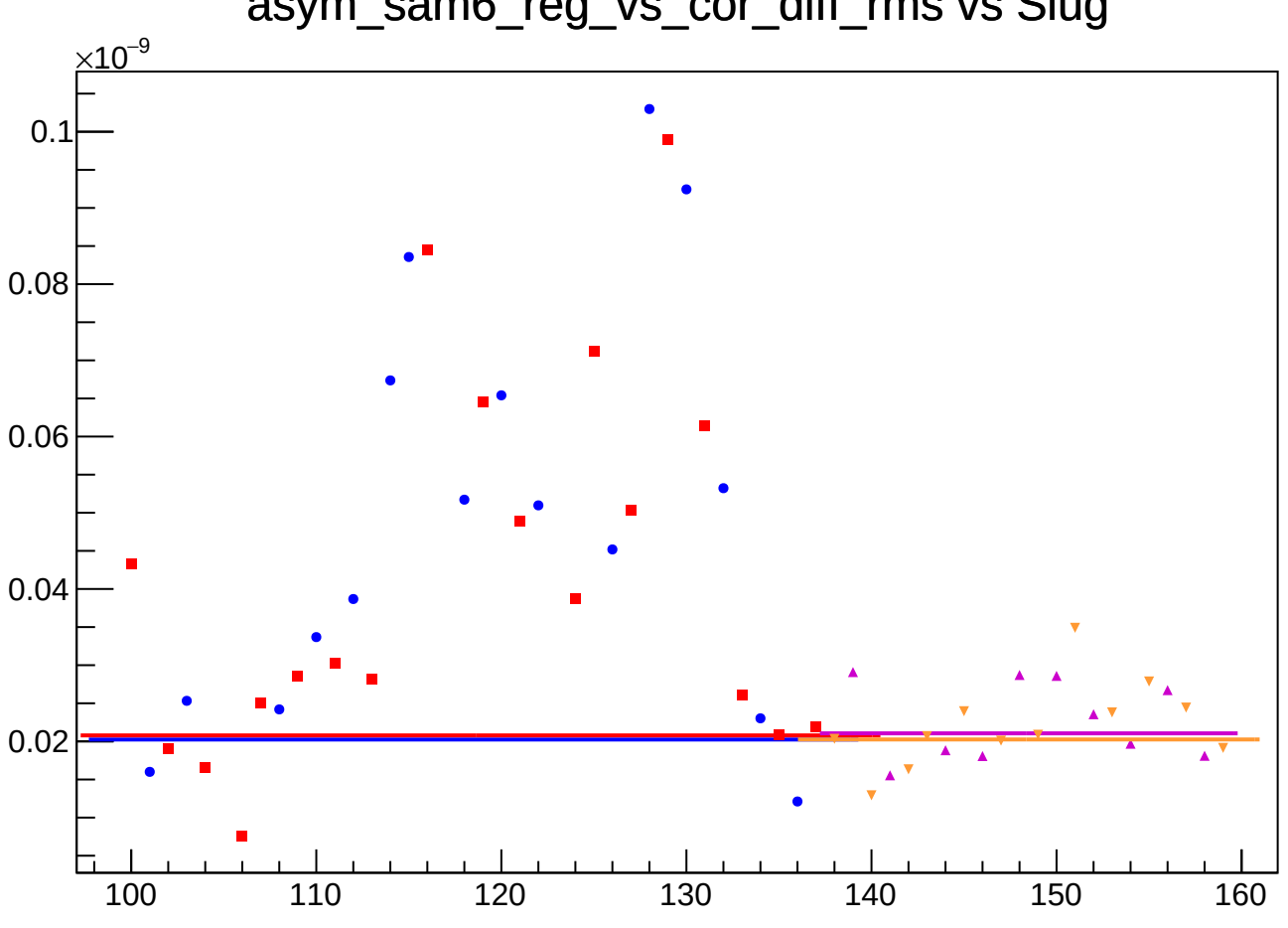
Left In: 1003.623+/-0.243 χ^2/NDF:354128.5/9

+ sign 706.280+/-0.135 χ^2/NDF: 6057733.2/27

All: 711.907+/-0.097 χ^2/NDF: 11436631.9/56

- sign 717.824+/-0.139 χ^2/NDF: 5375339.6/28


asym_sam6_reg_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:10.7/11
Right Out: -0.000+/-0.000 χ²/NDF: 19.9/18
Left In: -0.000+/-0.000 χ²/NDF:5.1/9
+ sign 0.000+/-0.000 χ²/NDF: 31.1/27
All: -0.000+/-0.000 χ²/NDF: 59.9/56
- sign -0.000+/-0.000 χ²/NDF: 25.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:483174.5/11

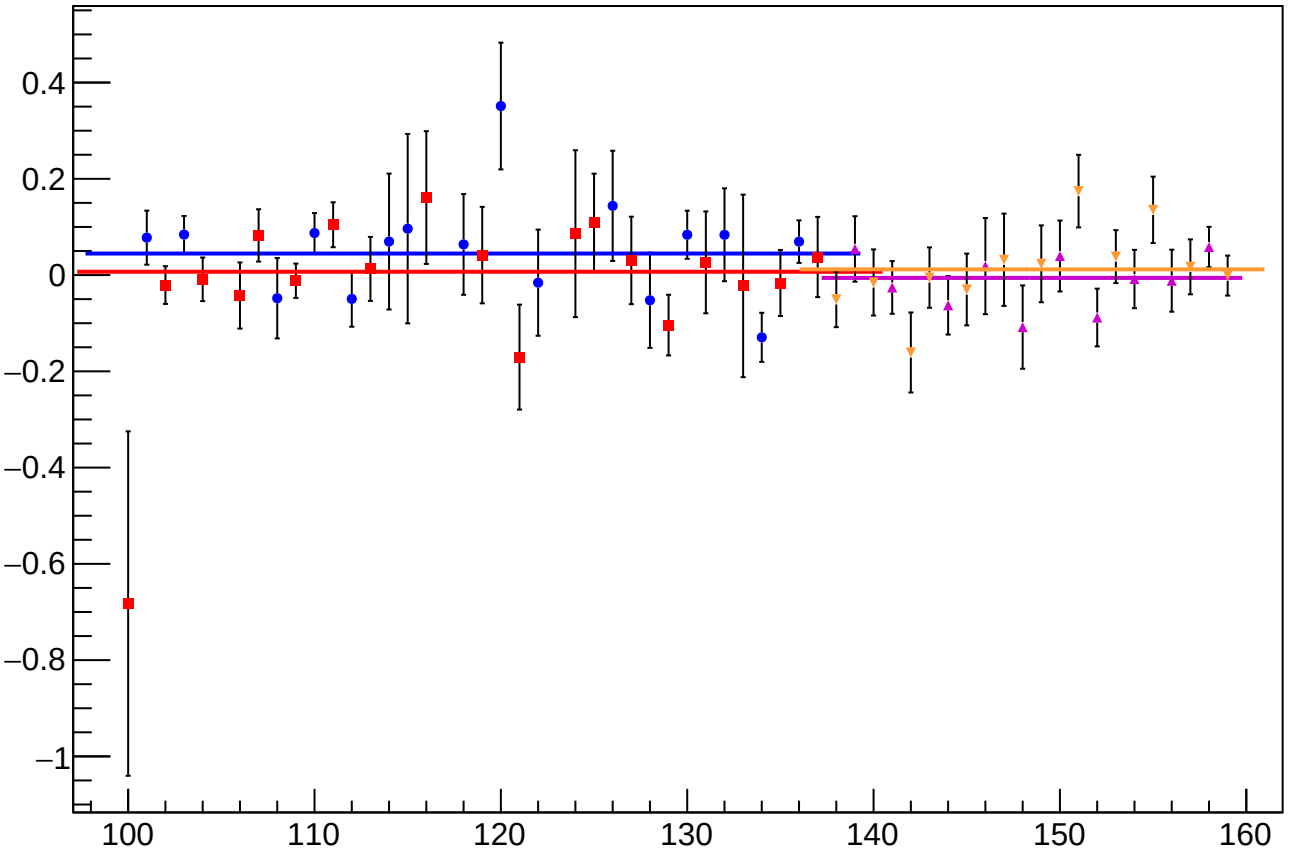
Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:336090.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2487853.1/27

All: 0.000+/-0.000 χ^2/NDF: 4687008.4/56

- sign 0.000+/-0.000 χ^2/NDF: 2192427.8/28



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.012+/-0.018 χ^2/NDF:14.3/11

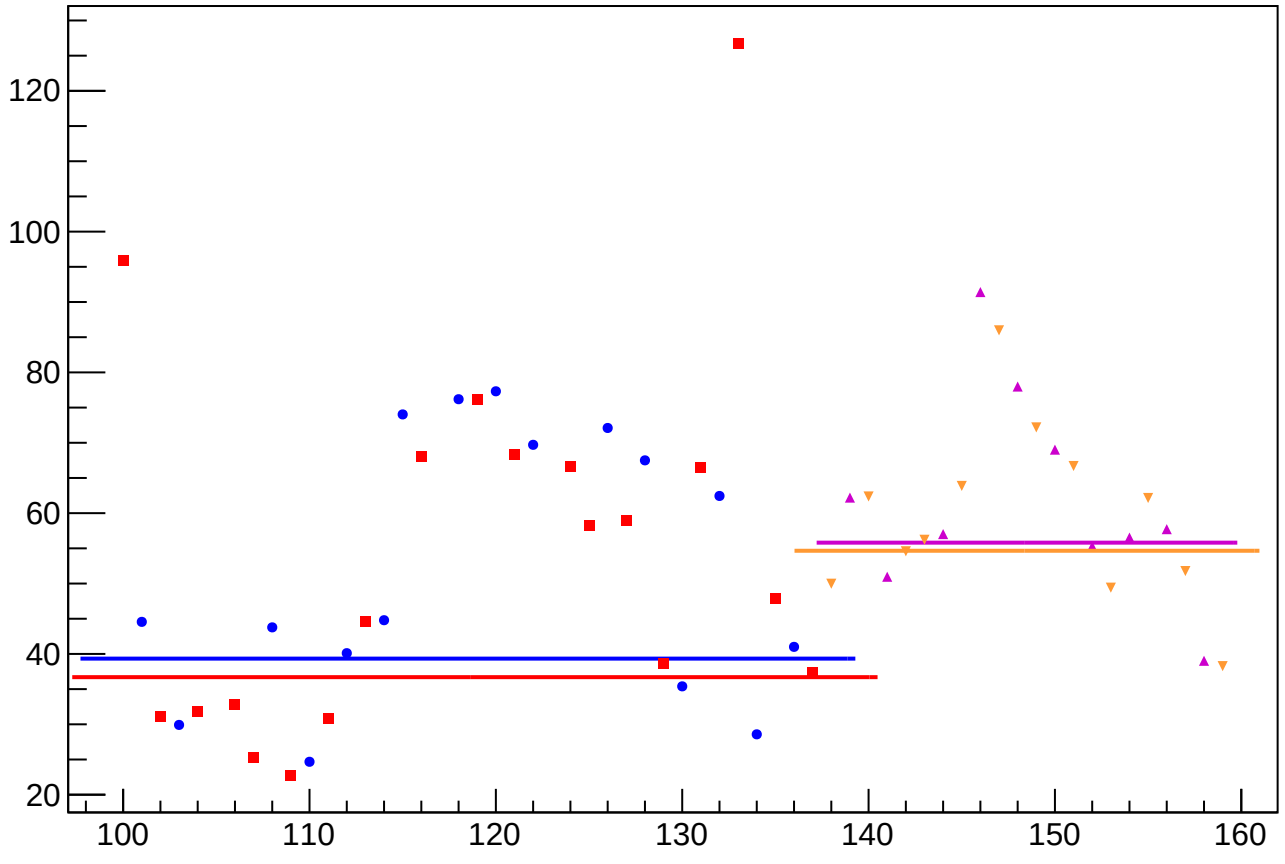
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.006+/-0.020 χ^2/NDF:7.9/9

+ sign 0.031+/-0.012 χ^2/NDF: 42.7/27

All: 0.016+/-0.009 χ^2/NDF: 73.8/56

- sign 0.002+/-0.012 χ^2/NDF: 28.3/28



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 54.658+/-0.013 χ^2/NDF:789468.3/11

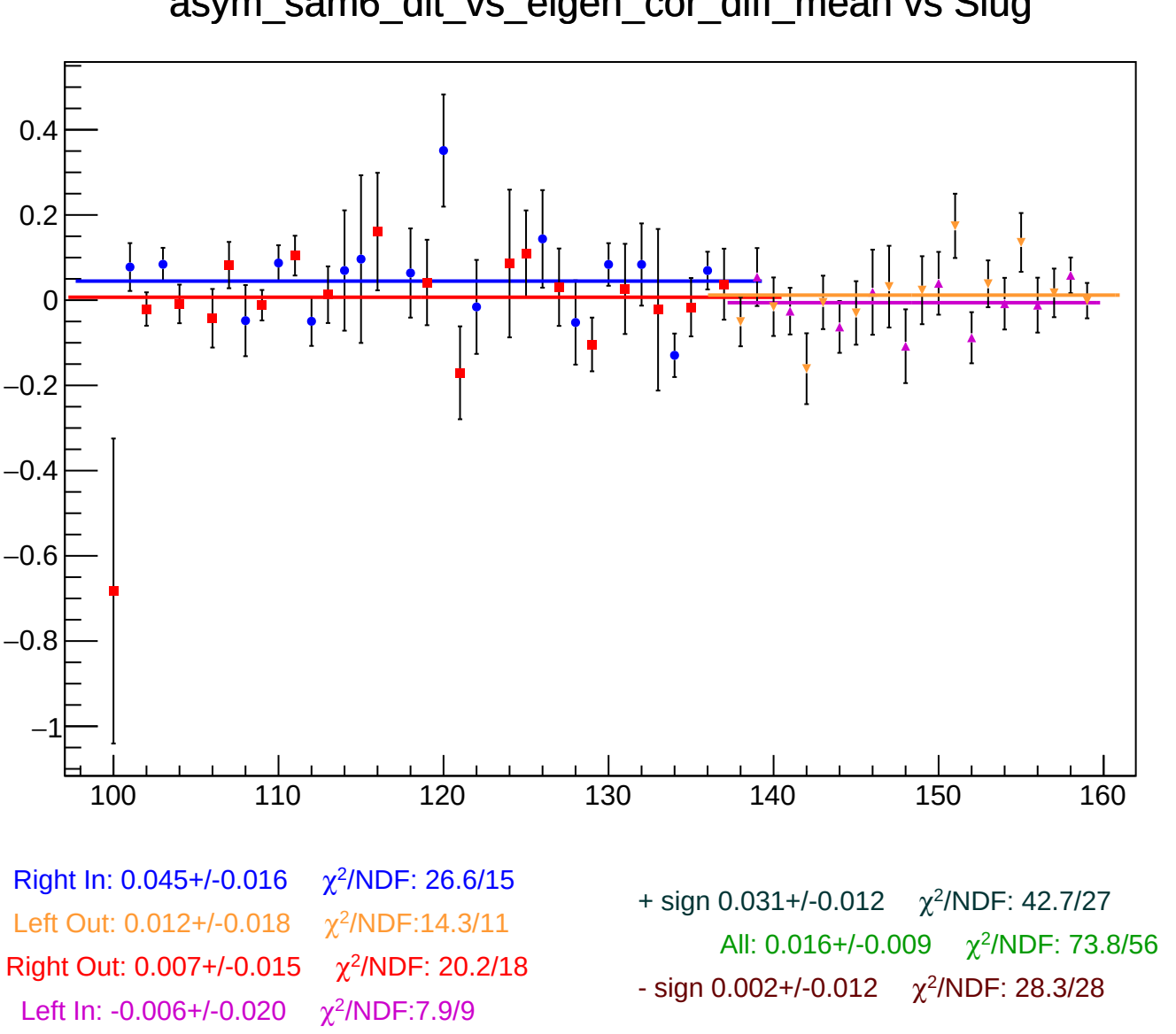
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.810+/-0.014 χ^2/NDF:807659.8/9

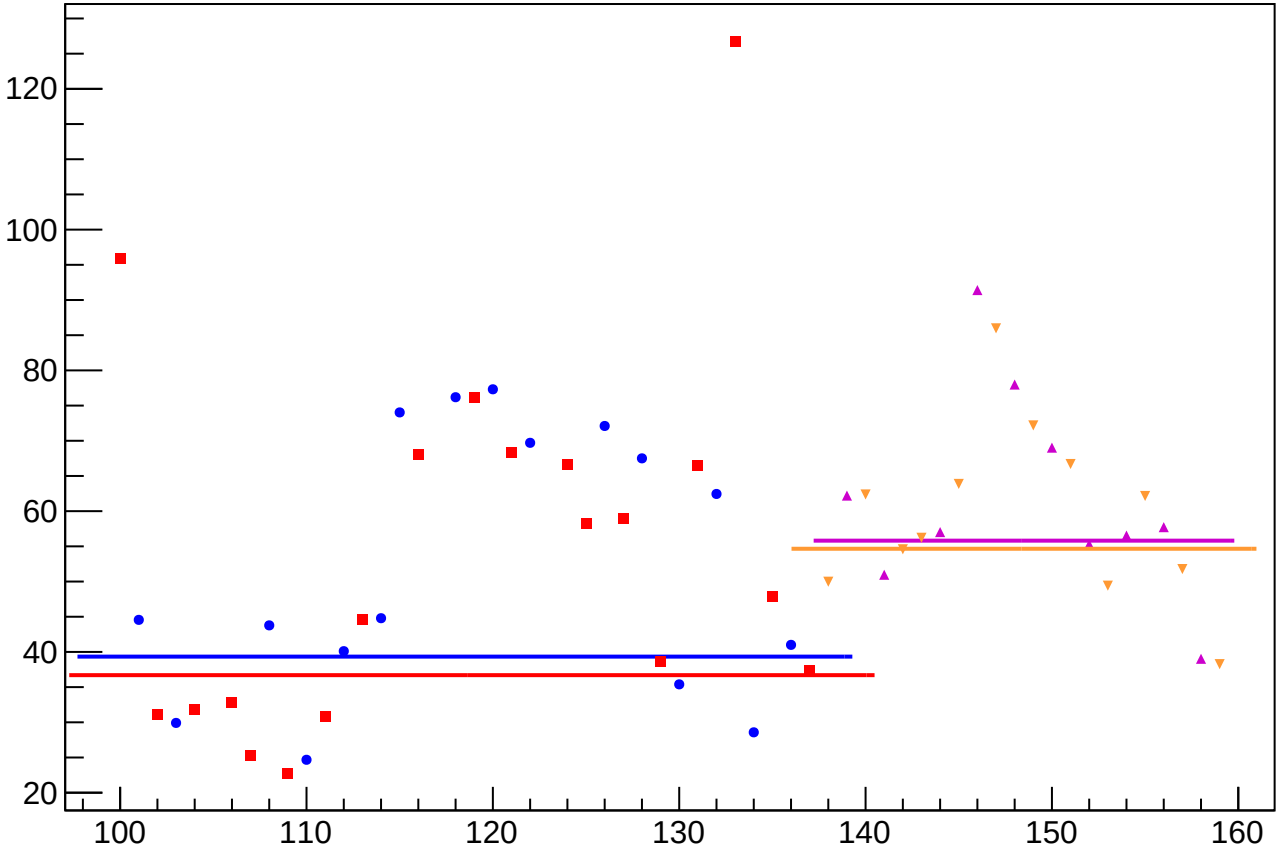
+ sign 45.951+/-0.009 χ^2/NDF: 3145968.7/27

All: 44.875+/-0.006 χ^2/NDF: 7273325.1/56

- sign 43.818+/-0.008 χ^2/NDF: 4095870.2/28


asym_sam6_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: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.012+/-0.018 χ²/NDF:14.3/11
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.006+/-0.020 χ²/NDF:7.9/9
+ sign 0.031+/-0.012 χ²/NDF: 42.7/27
All: 0.016+/-0.009 χ²/NDF: 73.8/56
- sign 0.002+/-0.012 χ²/NDF: 28.3/28

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

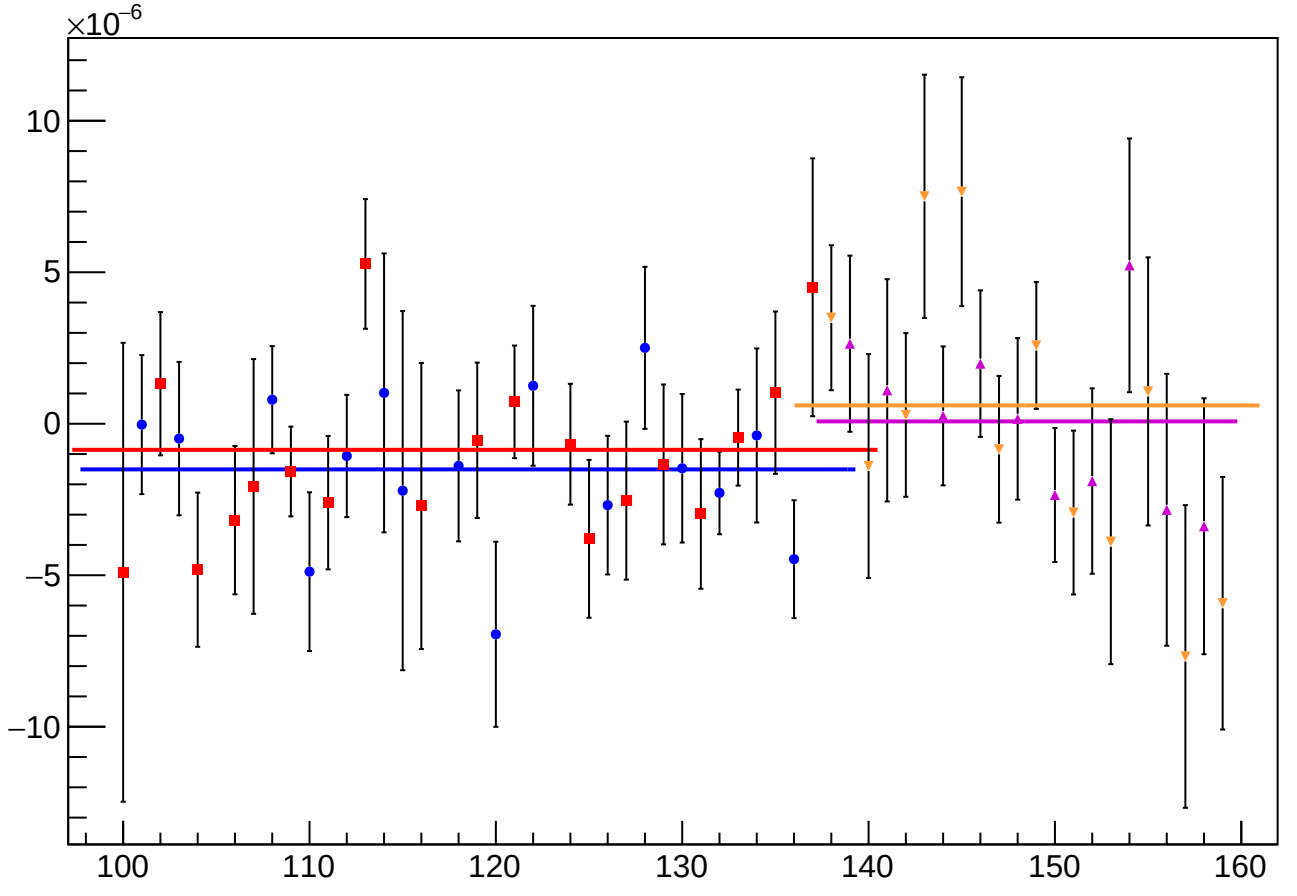
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 55.810+/-0.014 χ^2/NDF:807659.8/9

\+ sign 45.951+/-0.009 χ^2/NDF: 3145968.7/27

All: 44.875+/-0.006 χ^2/NDF: 7273325.1/56

\- sign 43.818+/-0.008 χ^2/NDF: 4095870.2/28



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

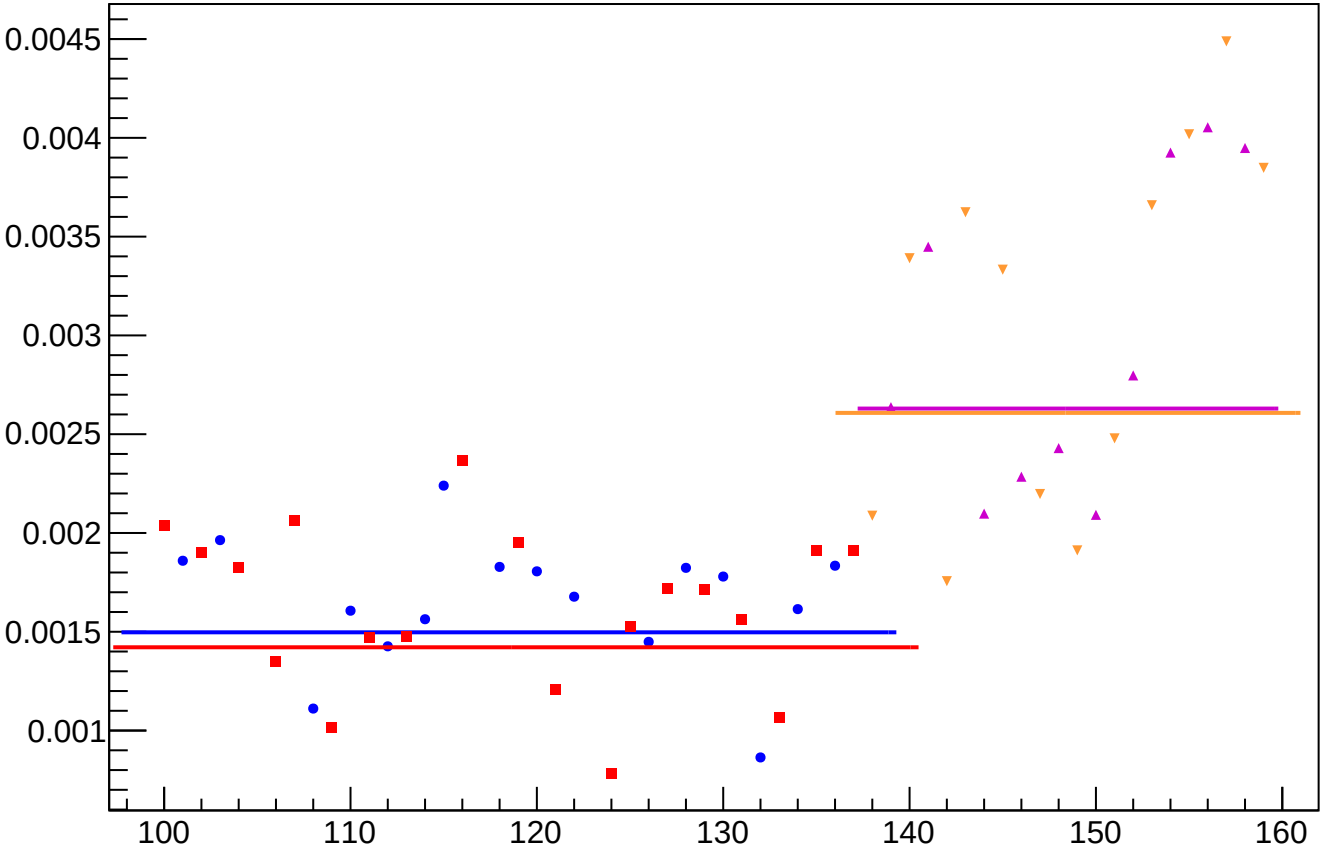
Left In: 0.000+/-0.000 χ^2/NDF:5.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/27

All: -0.000+/-0.000 χ^2/NDF: 61.2/56

- sign -0.000+/-0.000 χ^2/NDF: 25.6/28

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

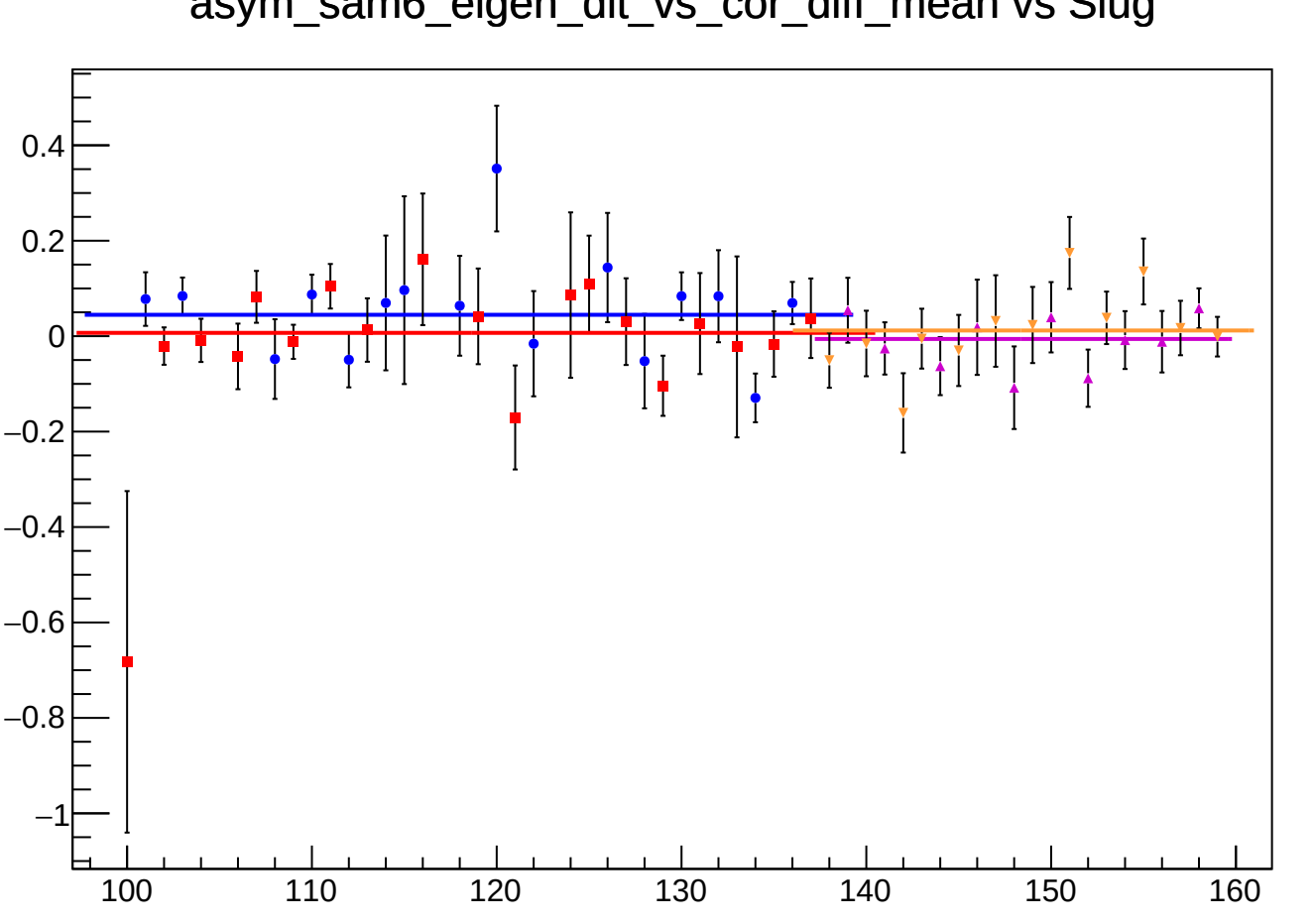
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:971396.5/9

+ sign 0.002+/-0.000 χ^2/NDF: 4718570.6/27

All: 0.002+/-0.000 χ^2/NDF: 9266714.5/56

- sign 0.002+/-0.000 χ^2/NDF: 4506346.2/28



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

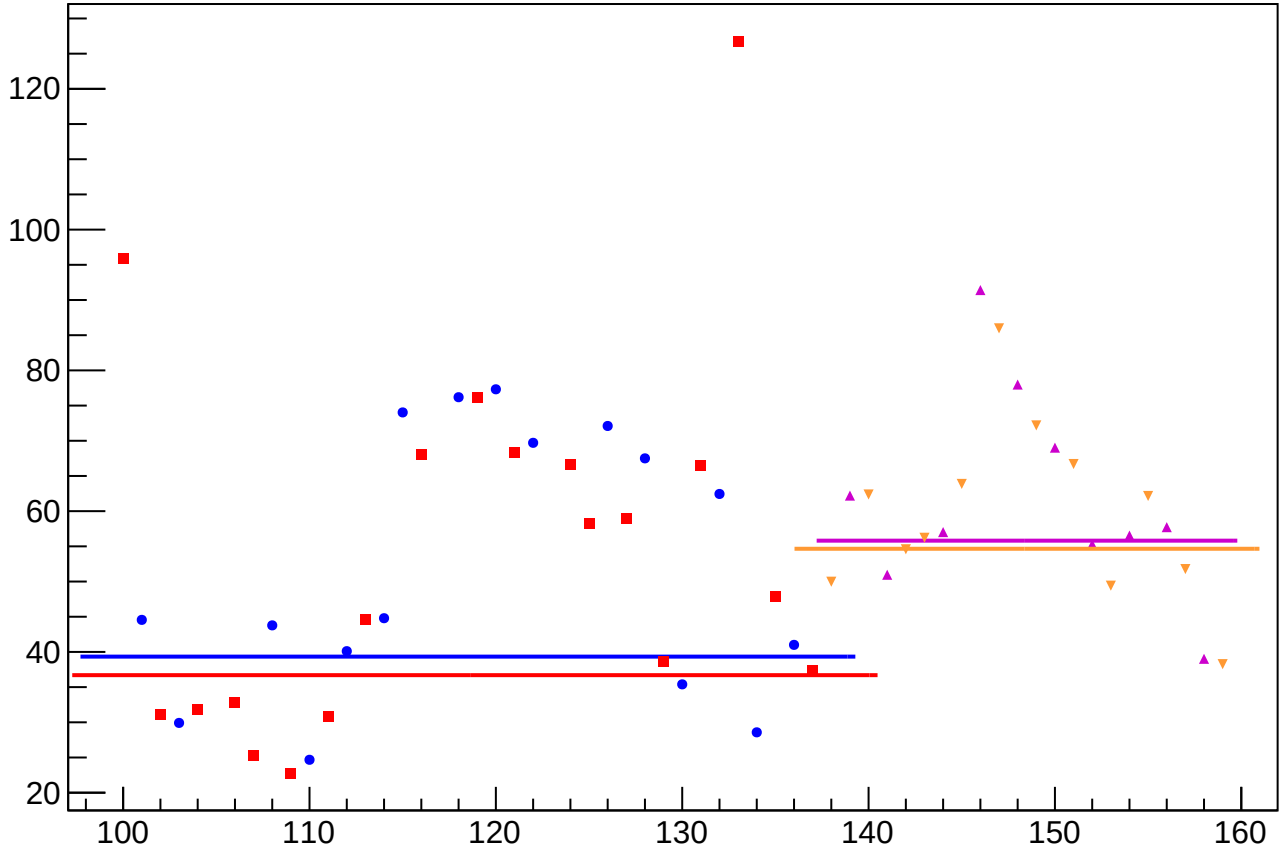
Left In: -0.006+/-0.020 χ^2/NDF:7.9/9

+ sign 0.031+/-0.012 χ^2/NDF: 42.7/27

All: 0.016+/-0.009 χ^2/NDF: 73.8/56

- sign 0.002+/-0.012 χ^2/NDF: 28.3/28

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

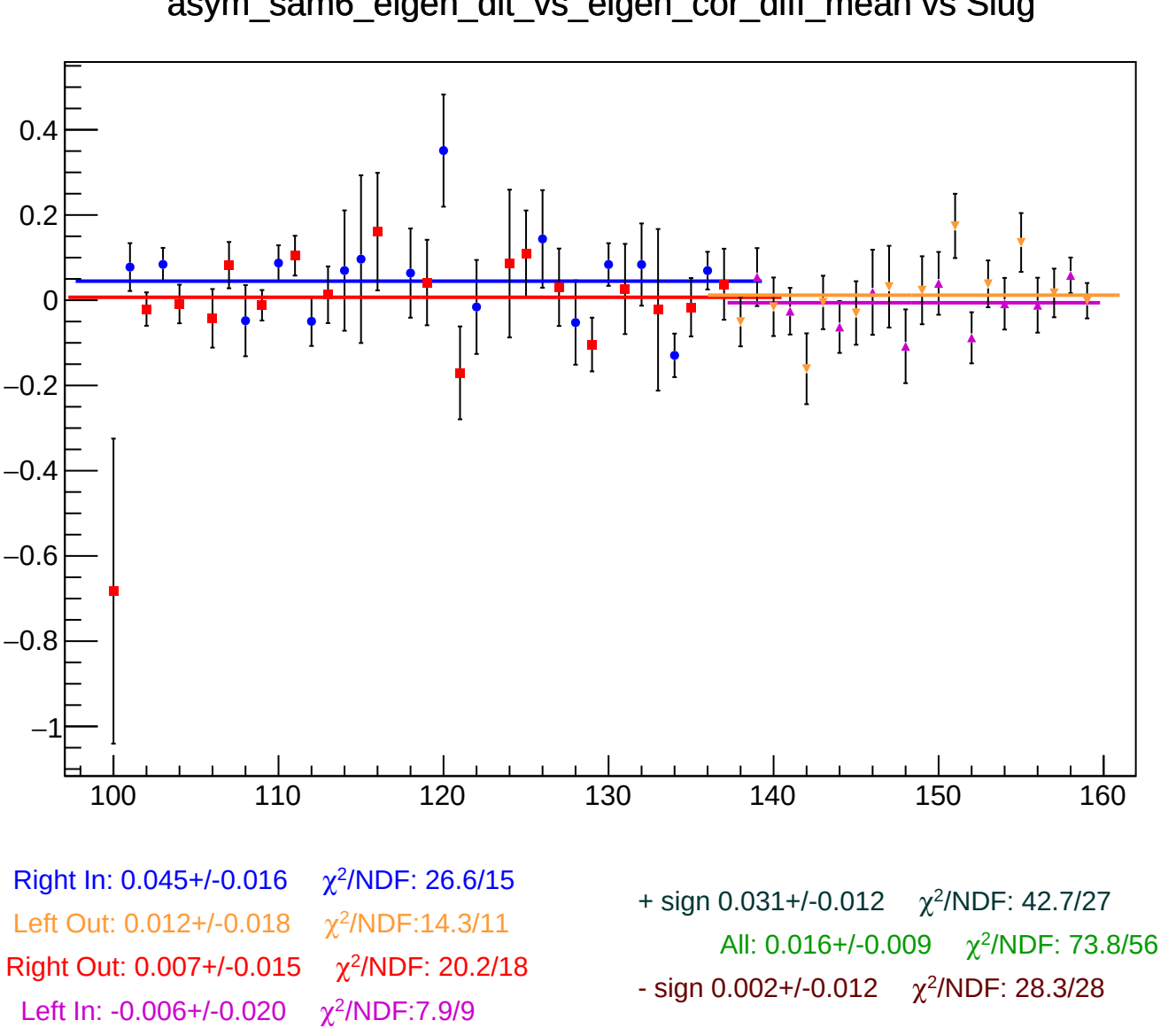
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

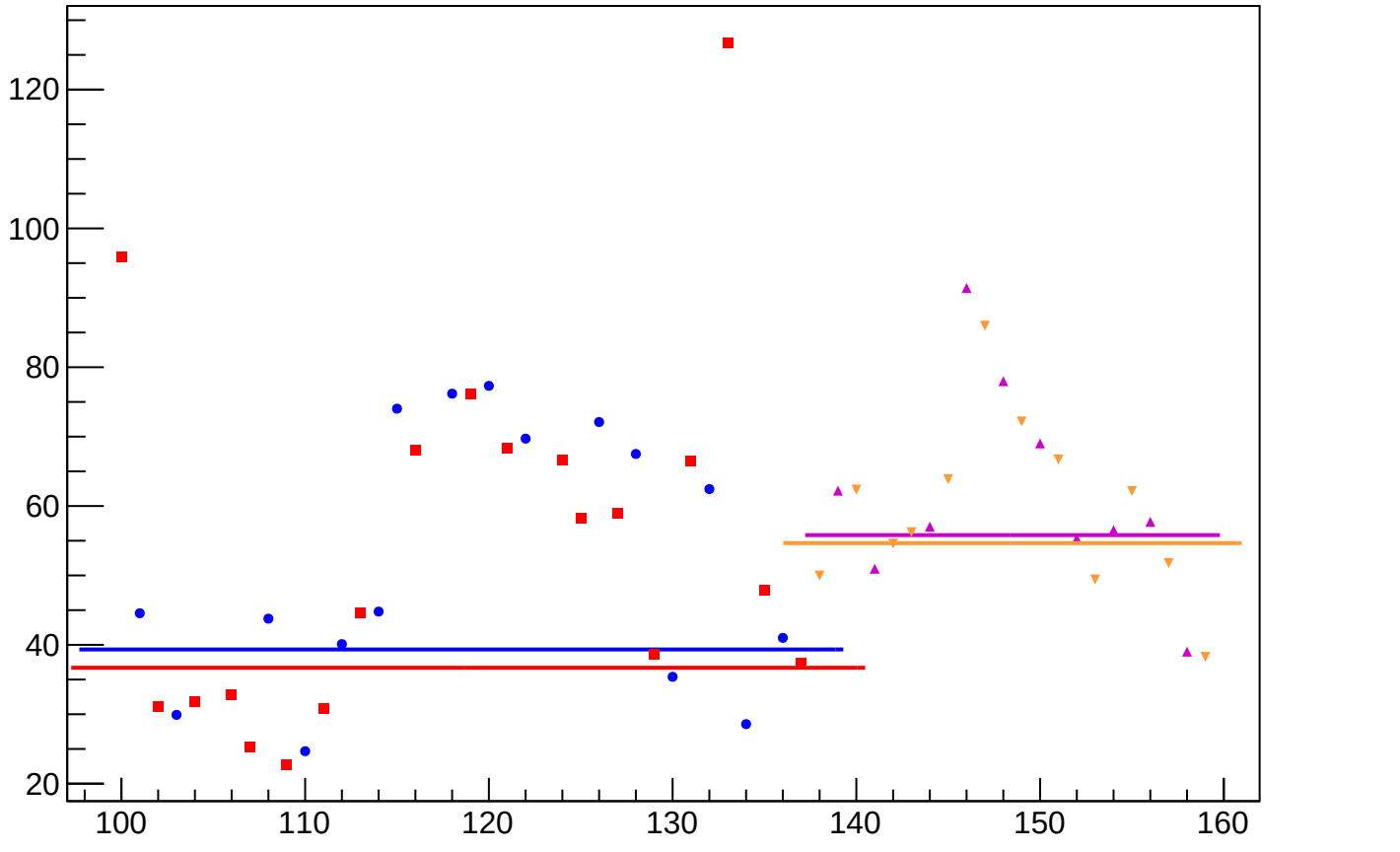
Left In: 55.809+/-0.014 χ^2/NDF:807773.7/9

\+ sign 45.950+/-0.009 χ^2/NDF: 3146033.0/27

All: 44.874+/-0.006 χ^2/NDF: 7273404.1/56

\- sign 43.817+/-0.008 χ^2/NDF: 4095891.1/28


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.012+/-0.018 χ²/NDF:14.3/11
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.006+/-0.020 χ²/NDF:7.9/9
+ sign 0.031+/-0.012 χ²/NDF: 42.7/27
All: 0.016+/-0.009 χ²/NDF: 73.8/56
- sign 0.002+/-0.012 χ²/NDF: 28.3/28



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 54.657+/-0.013 χ^2/NDF:789552.2/11

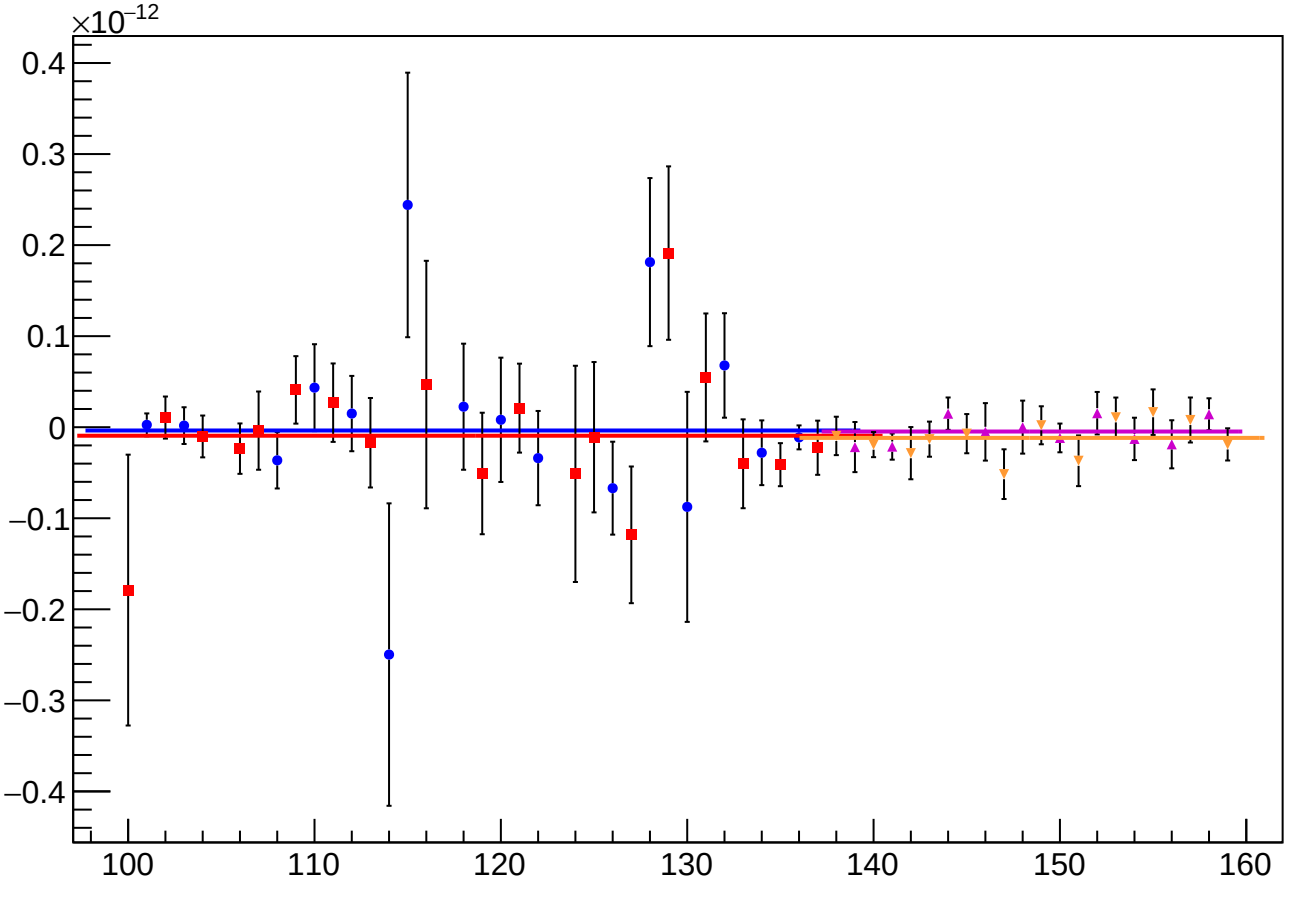
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 55.809+/-0.014 χ^2/NDF:807773.7/9

+ sign 45.950+/-0.009 χ^2/NDF: 3146033.0/27

All: 44.874+/-0.006 χ^2/NDF: 7273404.1/56

- sign 43.817+/-0.008 χ^2/NDF: 4095891.1/28



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

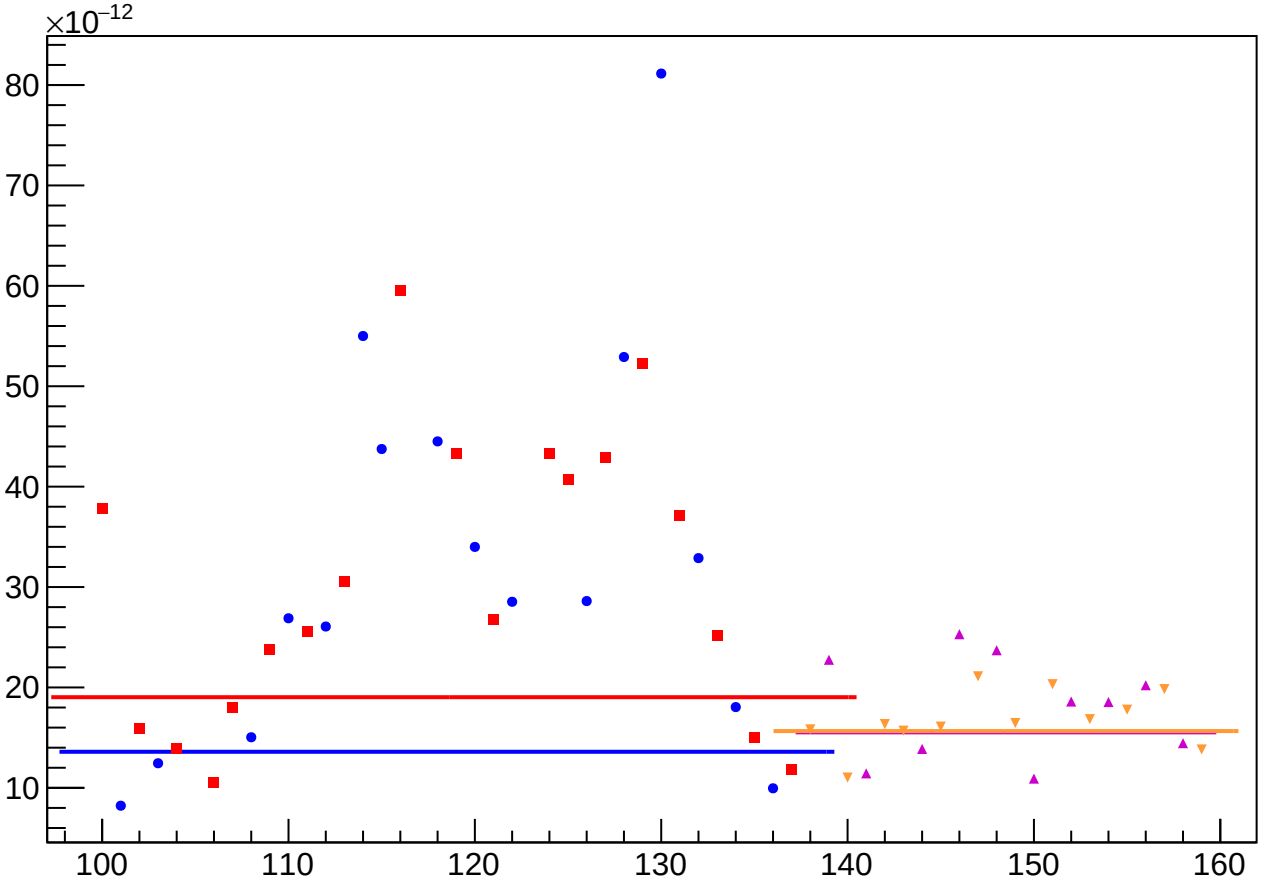
Left In: -0.000+/-0.000 χ^2/NDF:5.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/27

All: -0.000+/-0.000 χ^2/NDF: 46.0/56

- sign -0.000+/-0.000 χ^2/NDF: 21.4/28

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

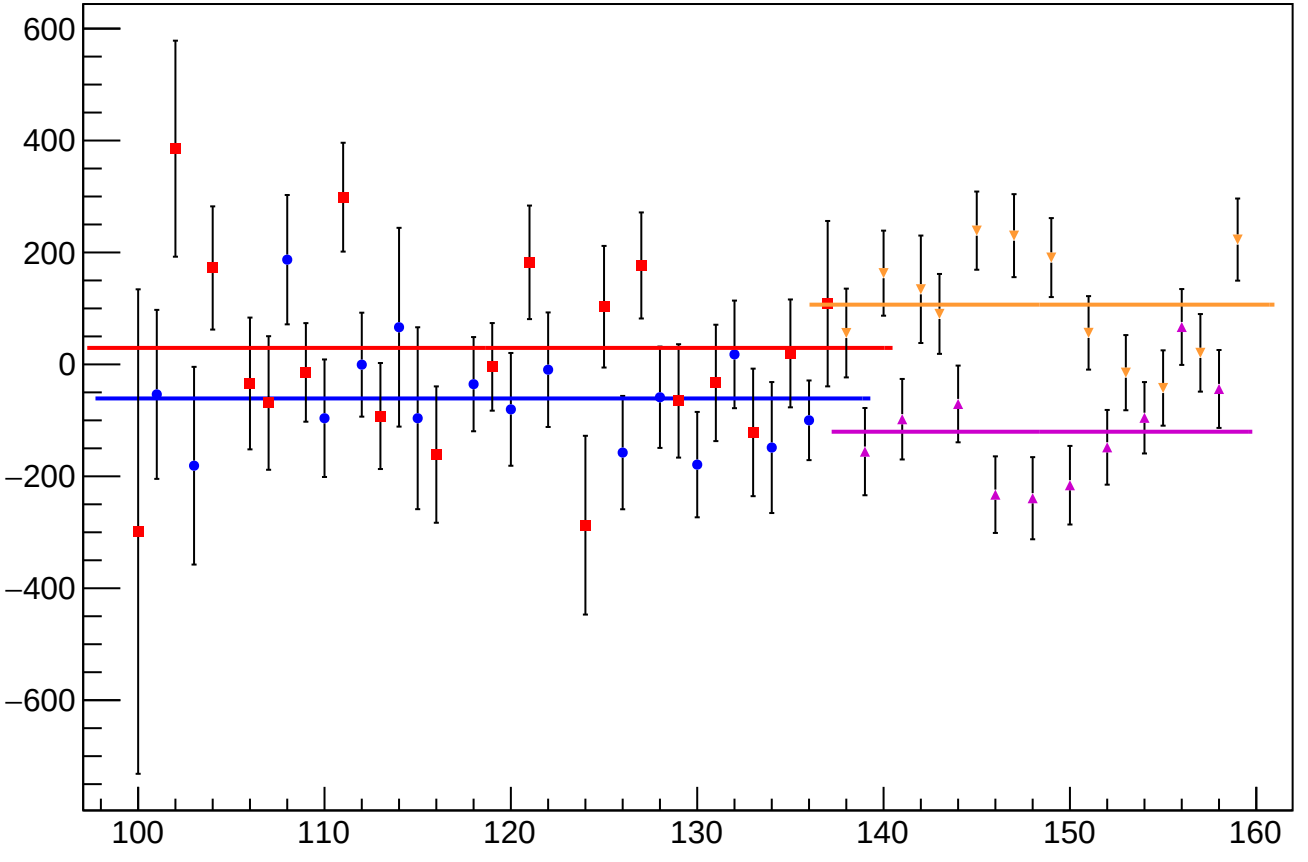
Left In: 0.000+/-0.000 χ^2/NDF:976340.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 3748591.4/27

All: 0.000+/-0.000 χ^2/NDF: 7117987.5/56

- sign 0.000+/-0.000 χ^2/NDF: 3222824.3/28

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

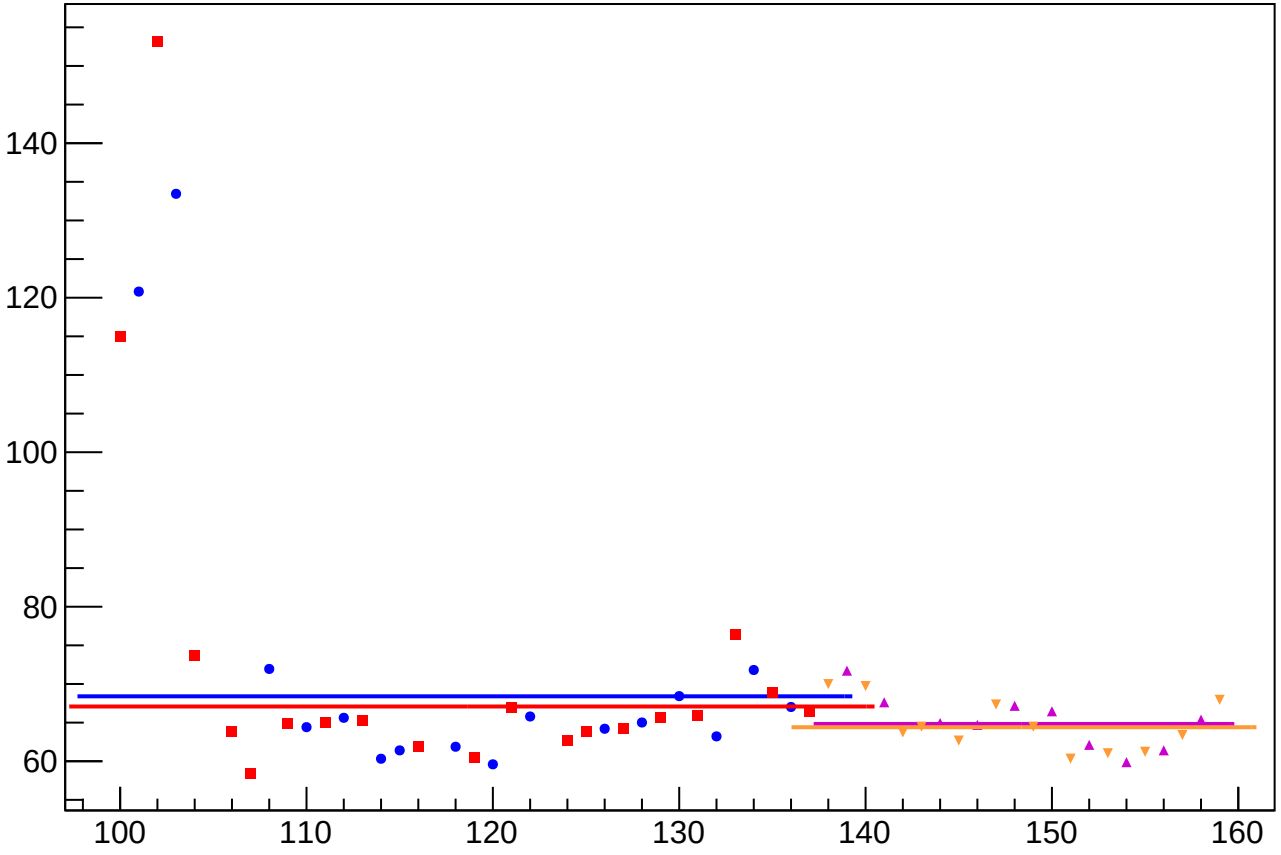
Left In: -120.310+/-21.996 χ^2/NDF:17.2/9

+ sign 41.186+/-16.295 χ^2/NDF: 57.4/27

All: -6.312+/-11.610 χ^2/NDF: 143.2/56

- sign -55.272+/-16.544 χ^2/NDF: 68.5/28

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

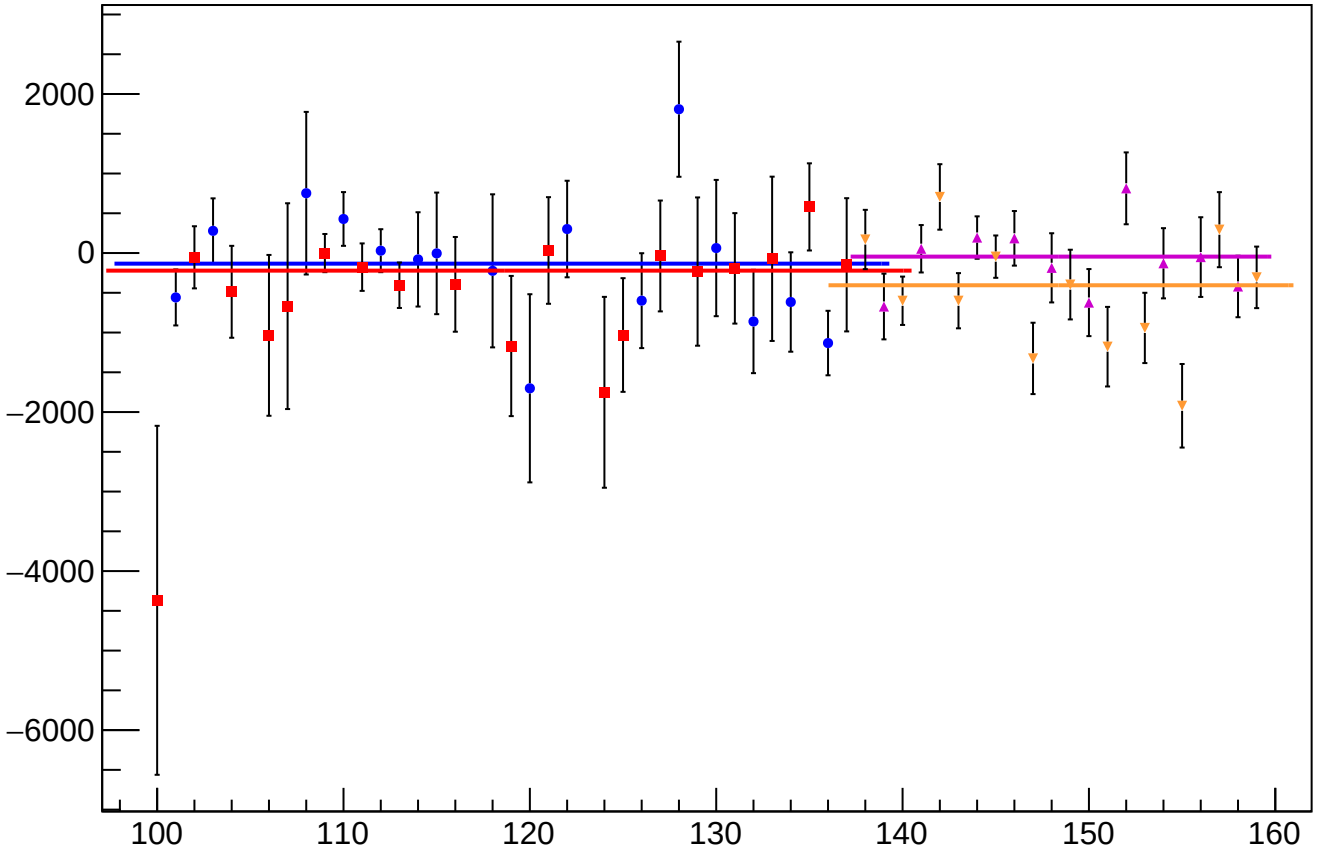
Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

+ sign 65.968+/-0.012 χ^2/NDF: 644782.2/27

All: 65.888+/-0.008 χ^2/NDF: 1178222.3/56

- sign 65.806+/-0.012 χ^2/NDF: 533343.8/28

asym_sam7_reg_correction_mean vs Slug



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

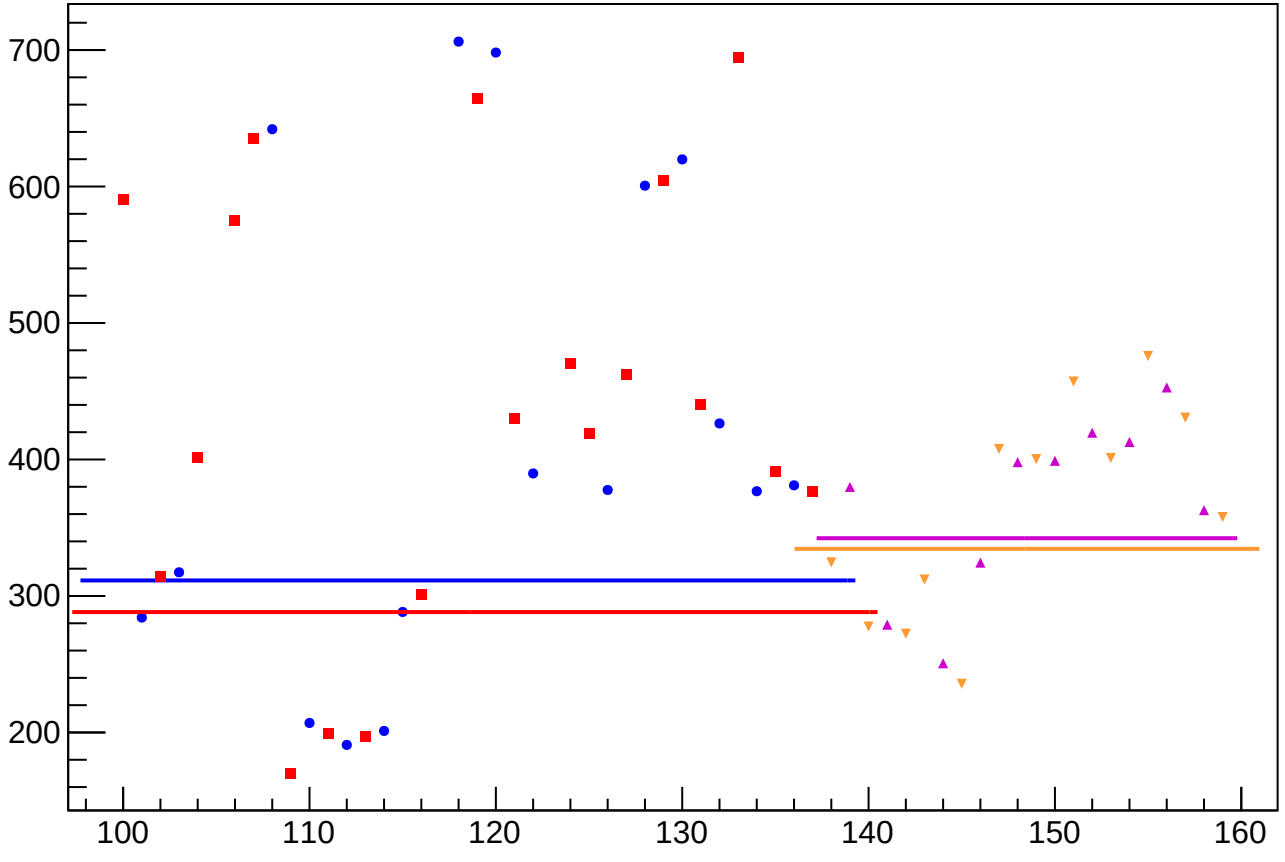
Left In: -45.088+/-118.464 χ^2/NDF:10.2/9

+ sign -285.889+/-83.489 χ^2/NDF: 55.9/27

All: -209.834+/-59.048 χ^2/NDF: 81.5/56

- sign -133.714+/-83.525 χ^2/NDF: 23.9/28

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

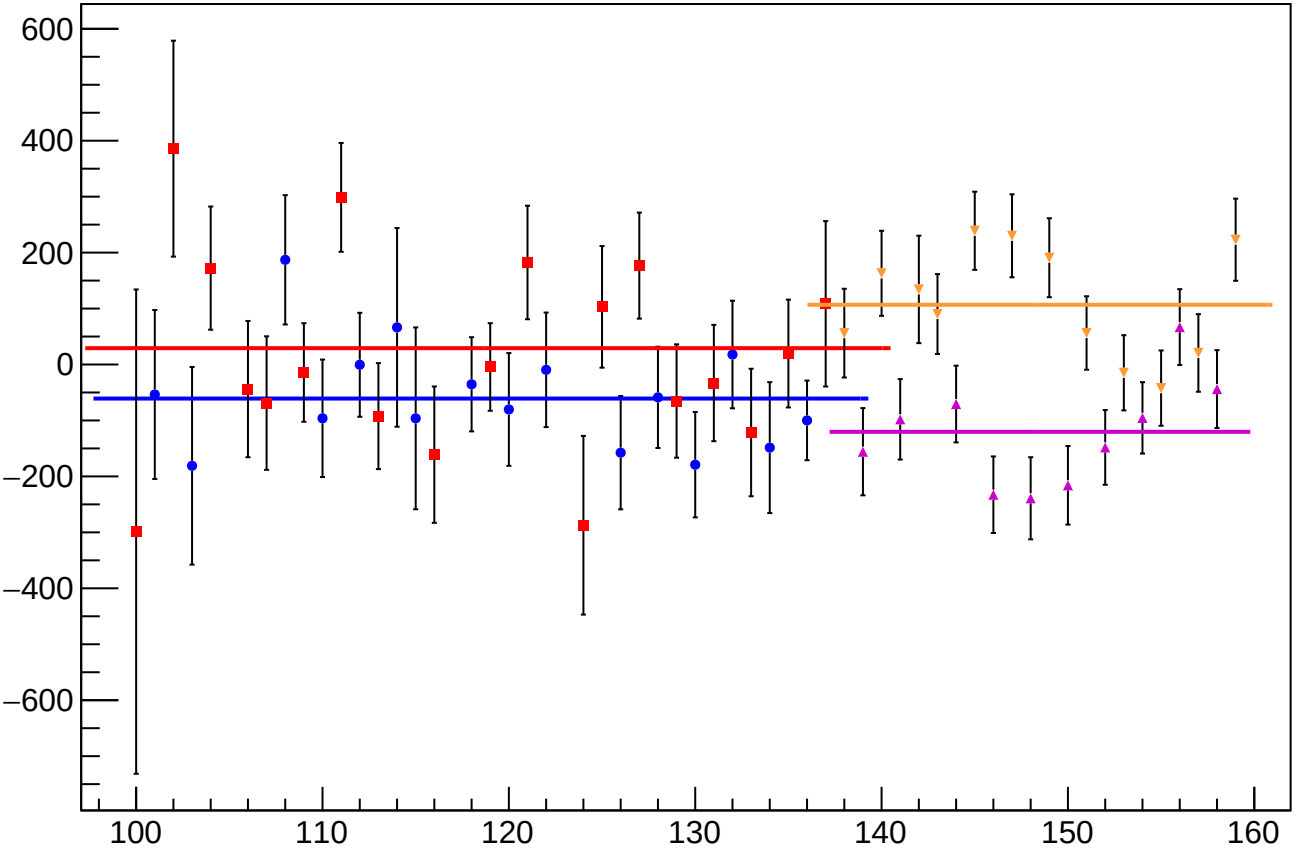
Left In: 342.320+/-0.084 χ^2/NDF:629732.4/9

+ sign 324.353+/-0.059 χ^2/NDF: 3061508.6/27

All: 319.732+/-0.042 χ^2/NDF: 6628757.5/56

- sign 315.106+/-0.059 χ^2/NDF: 3554987.2/28

cor_asym_sam7_mean vs Slug



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

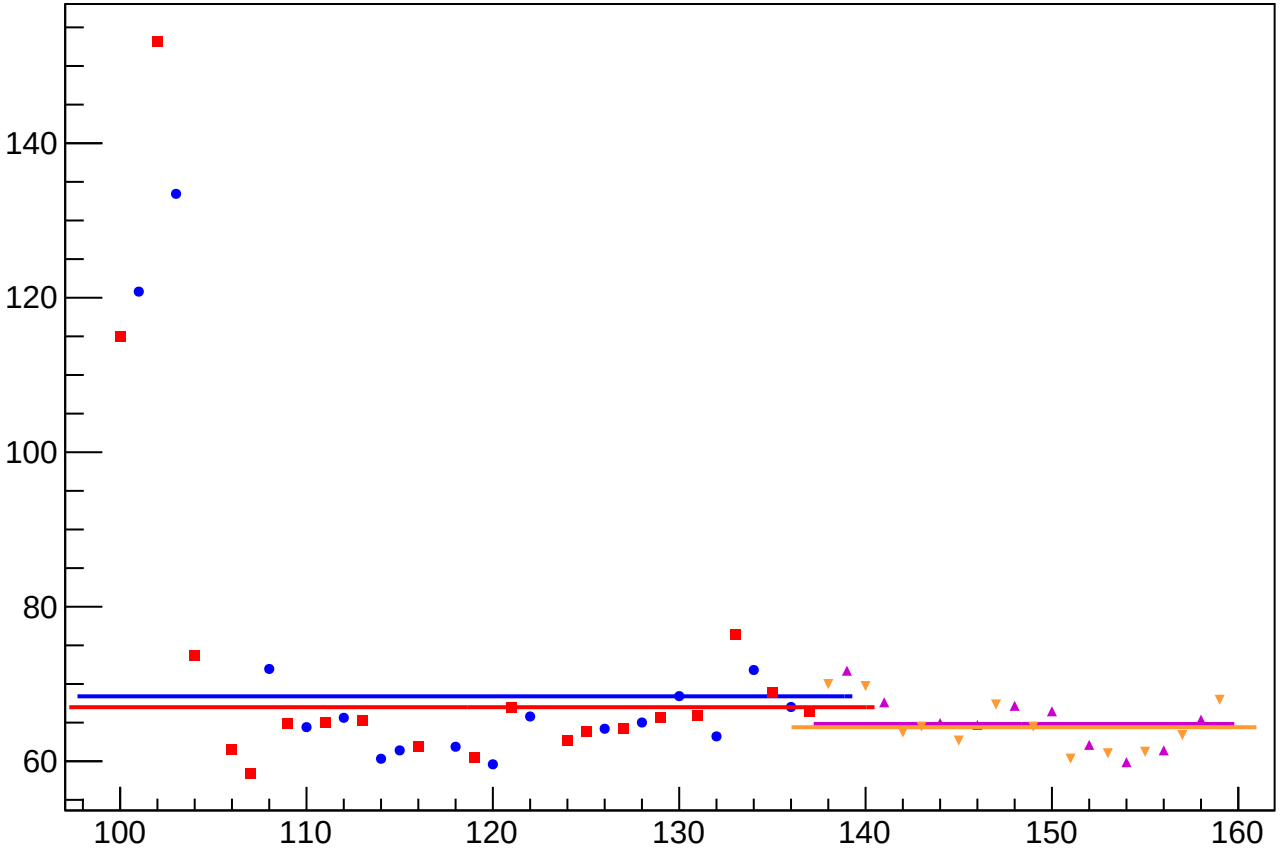
Left In: -120.311+/-21.996 χ^2/NDF:17.2/9

+ sign 41.186+/-16.295 χ^2/NDF: 57.4/27

All: -6.385+/-11.613 χ^2/NDF: 143.2/56

- sign -55.484+/-16.555 χ^2/NDF: 68.5/28

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

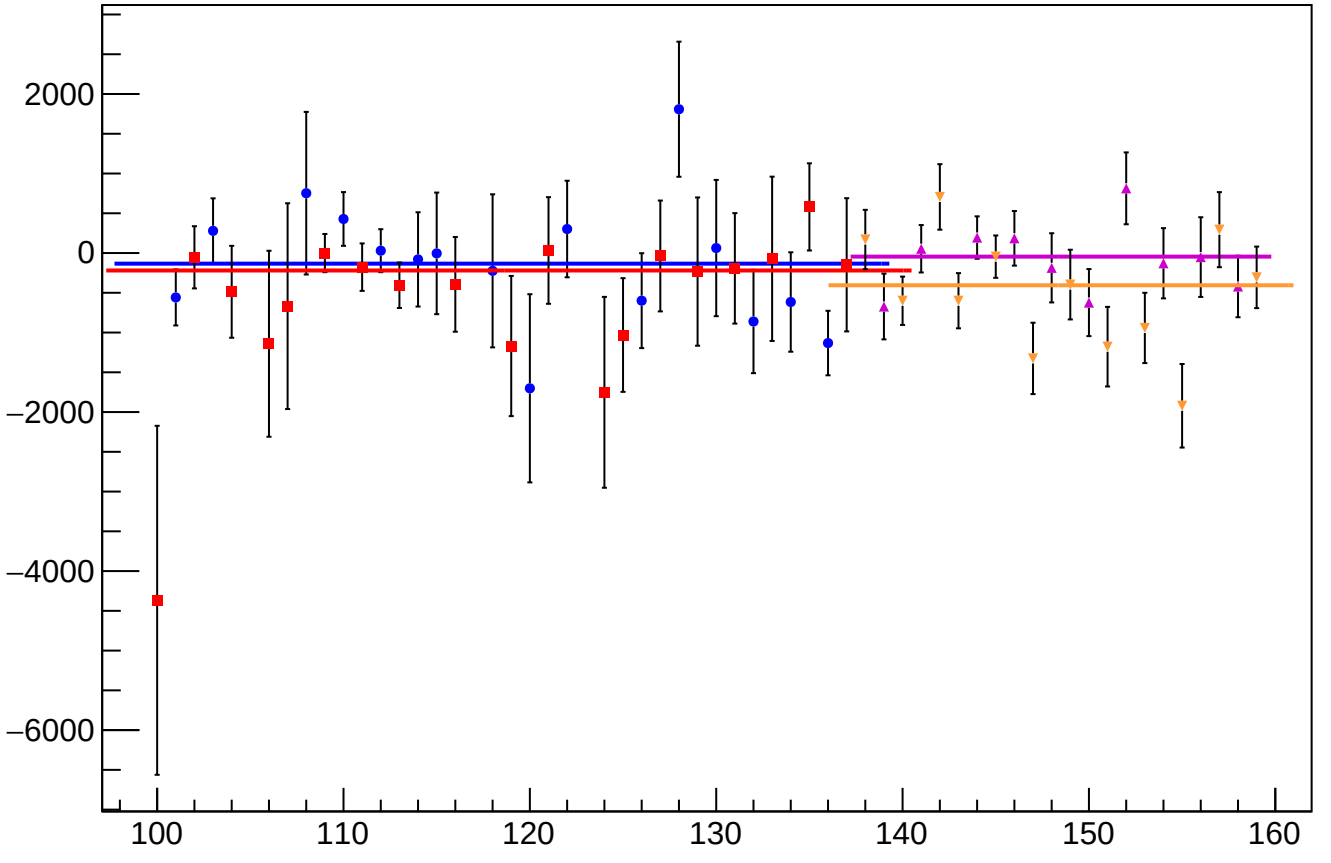
Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

+ sign 65.968+/-0.012 χ^2/NDF: 644782.6/27

All: 65.868+/-0.008 χ^2/NDF: 1180211.4/56

- sign 65.765+/-0.012 χ^2/NDF: 535277.2/28

asym_sam7_cor_correction_mean vs Slug



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

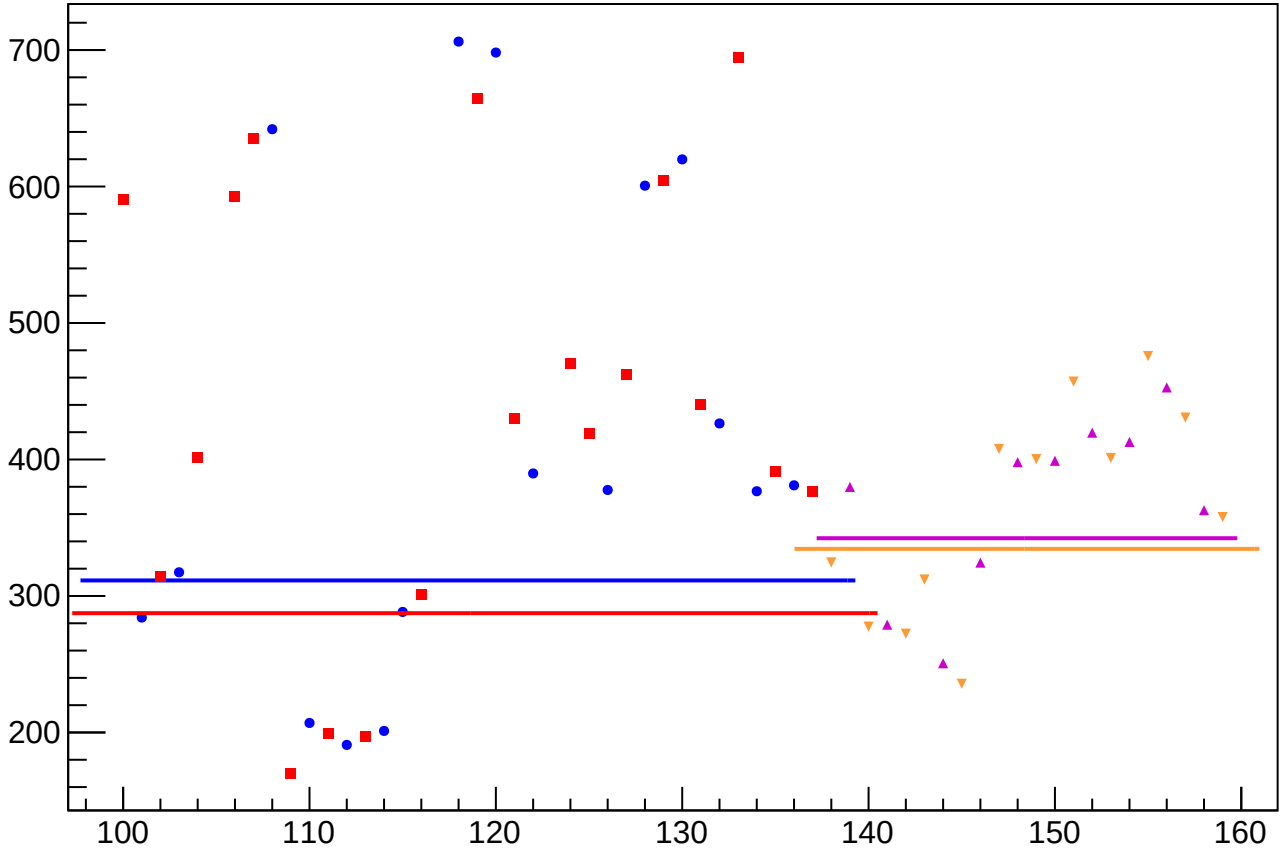
Left In: -45.085+/-118.464 χ^2/NDF:10.2/9

+ sign -285.887+/-83.489 χ^2/NDF: 55.9/27

All: -209.394+/-59.074 χ^2/NDF: 81.5/56

- sign -132.700+/-83.598 χ^2/NDF: 23.9/28

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

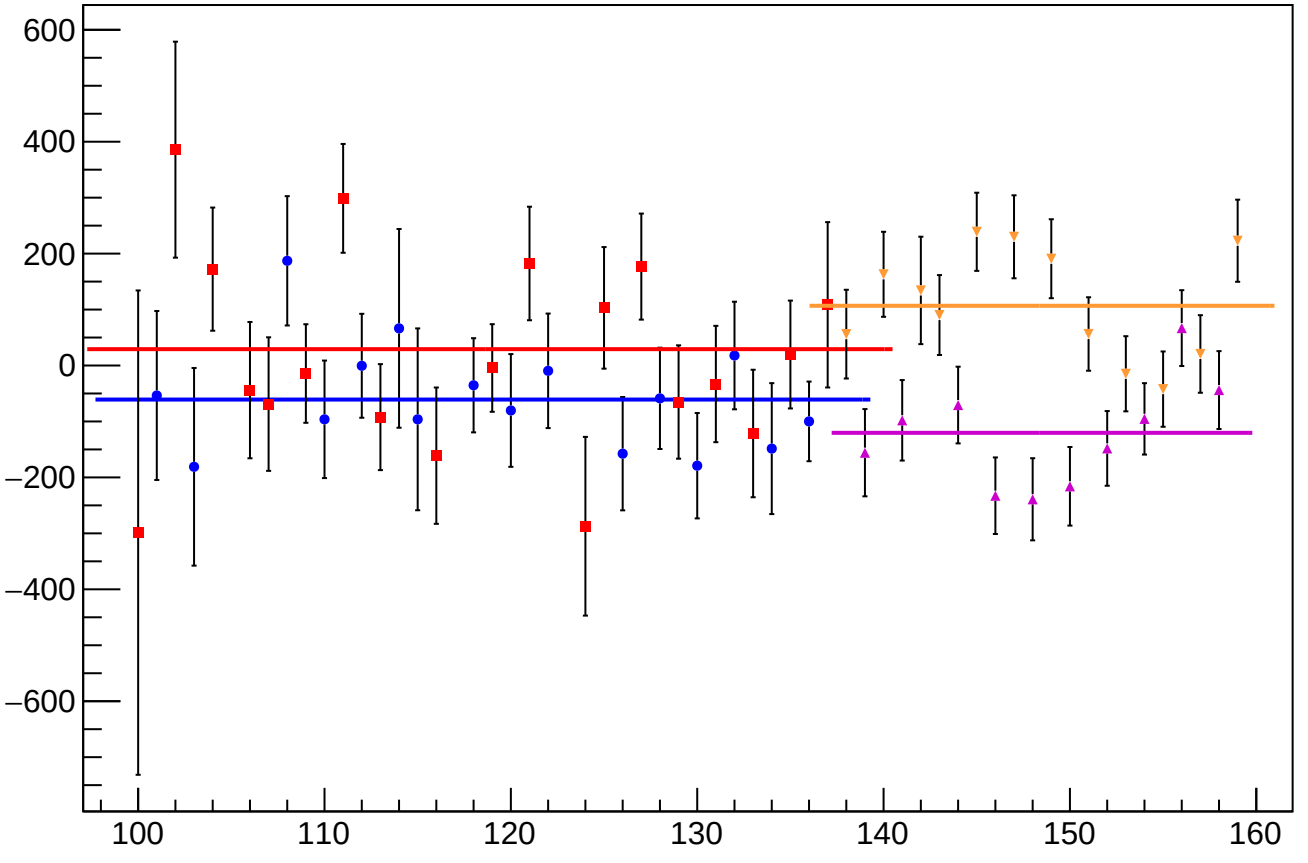
Left In: 342.320+/-0.084 χ^2/NDF:629729.6/9

+ sign 324.354+/-0.059 χ^2/NDF: 3061508.3/27

All: 319.561+/-0.042 χ^2/NDF: 6610378.9/56

- sign 314.756+/-0.059 χ^2/NDF: 3535673.1/28

eigen_cor_asym_sam7_mean vs Slug



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

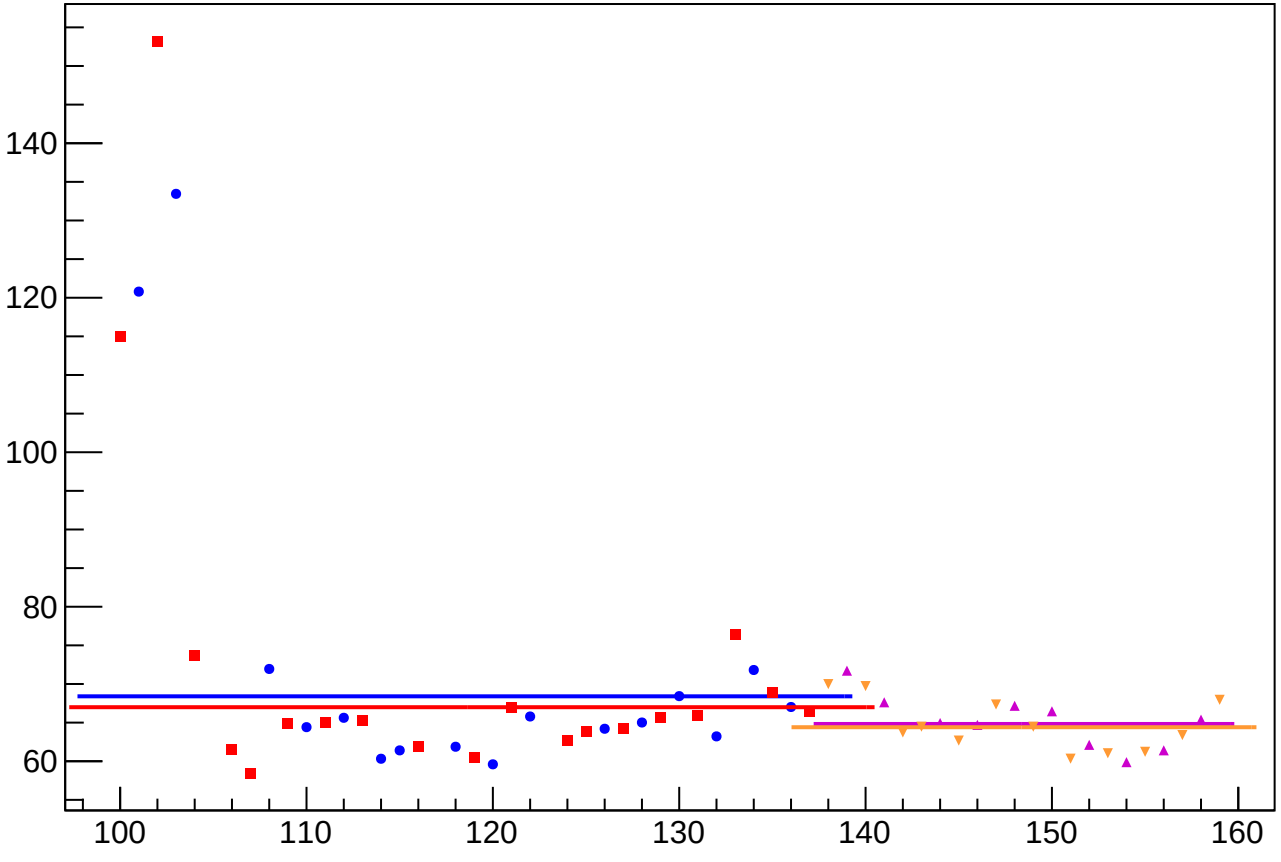
Left In: -120.311+/-21.996 χ^2/NDF:17.2/9

+ sign 41.186+/-16.295 χ^2/NDF: 57.4/27

All: -6.385+/-11.613 χ^2/NDF: 143.2/56

- sign -55.484+/-16.555 χ^2/NDF: 68.5/28

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

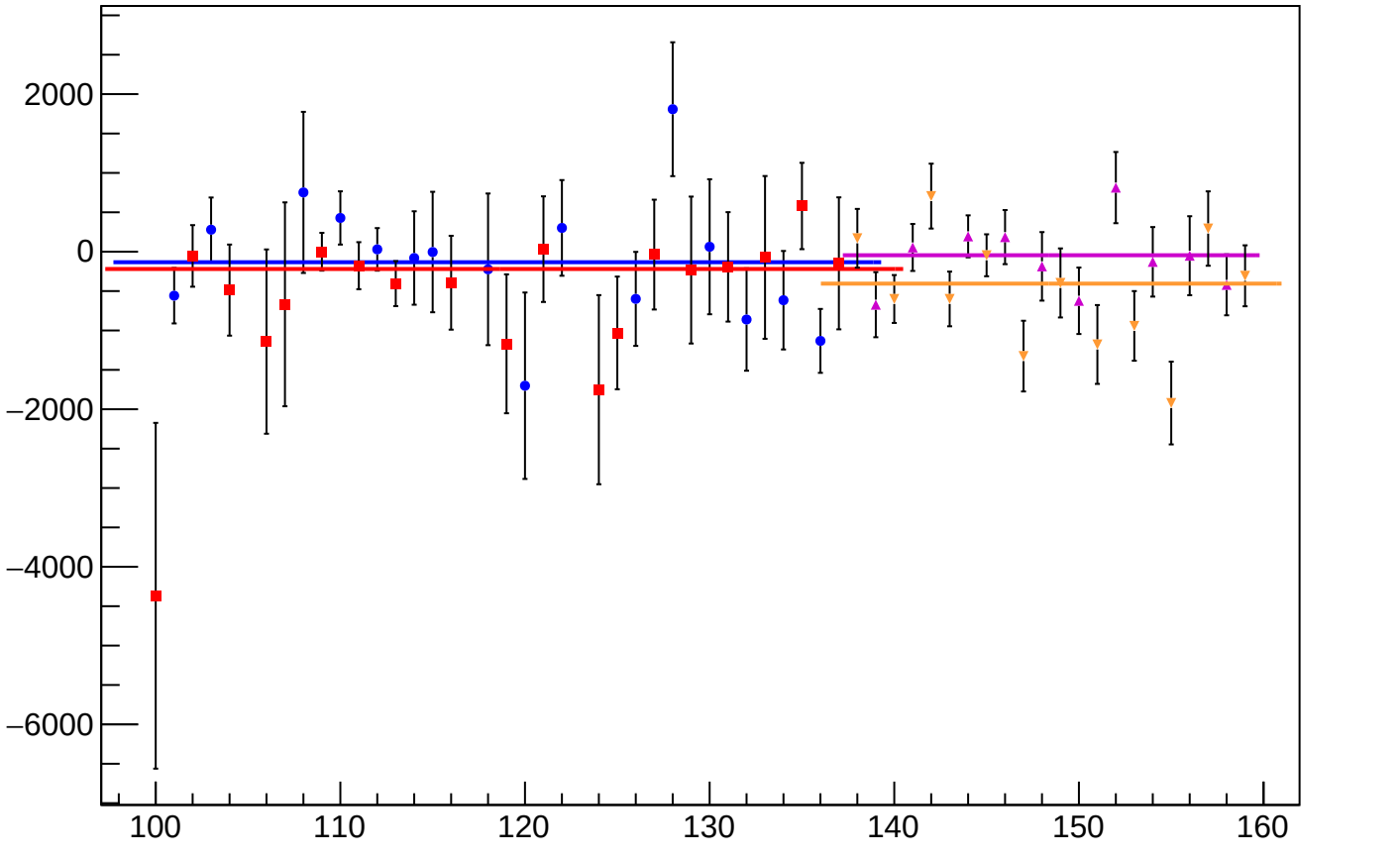
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.824+/-0.016 χ^2/NDF:42349.0/9

+ sign 65.968+/-0.012 χ^2/NDF: 644782.6/27

All: 65.868+/-0.008 χ^2/NDF: 1180211.4/56

- sign 65.765+/-0.012 χ^2/NDF: 535277.2/28



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

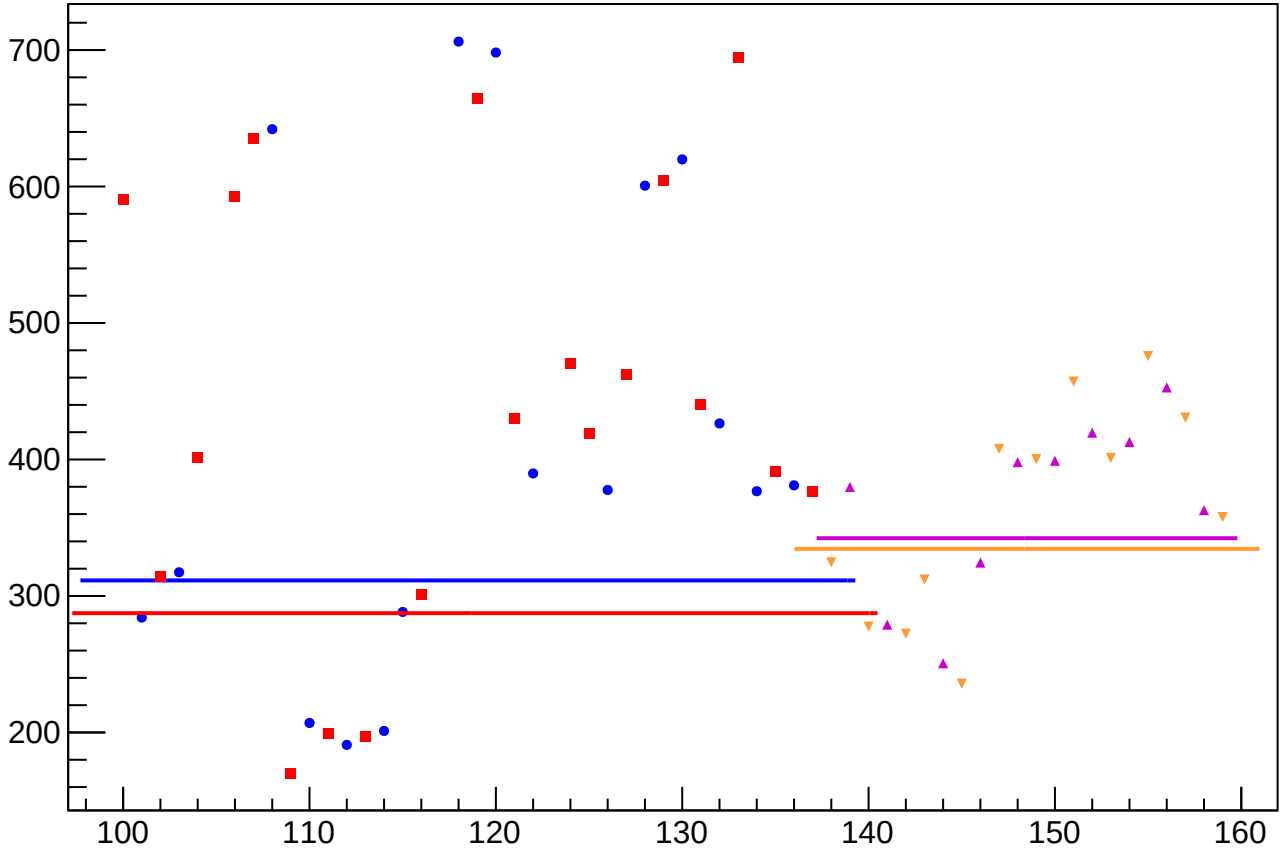
Left In: -45.085+/-118.464 χ^2/NDF:10.2/9

+ sign -285.887+/-83.489 χ^2/NDF: 55.9/27

All: -209.394+/-59.074 χ^2/NDF: 81.5/56

- sign -132.700+/-83.598 χ^2/NDF: 23.9/28

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

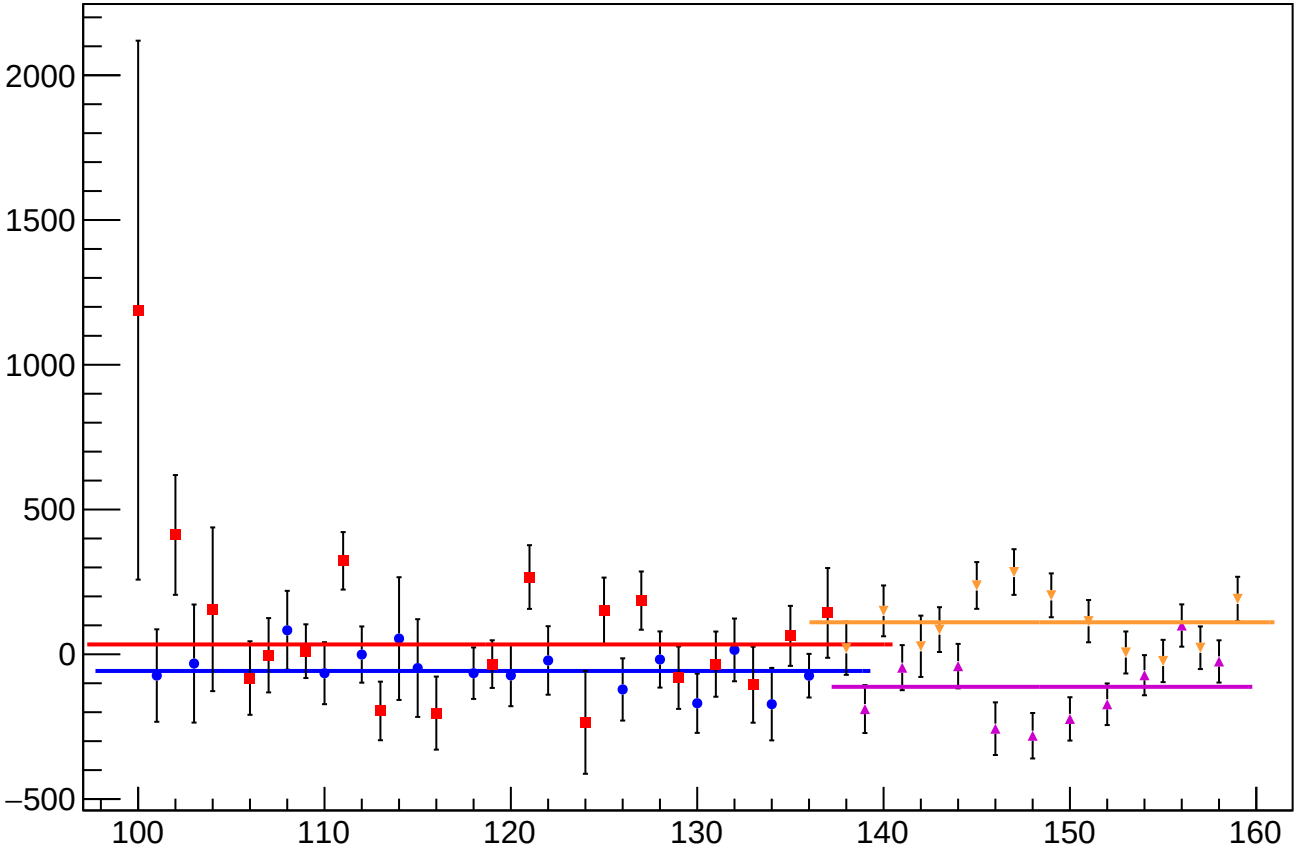
Left In: 342.320+/-0.084 χ^2/NDF:629729.6/9

+ sign 324.354+/-0.059 χ^2/NDF: 3061508.3/27

All: 319.561+/-0.042 χ^2/NDF: 6610378.9/56

- sign 314.756+/-0.059 χ^2/NDF: 3535673.1/28

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

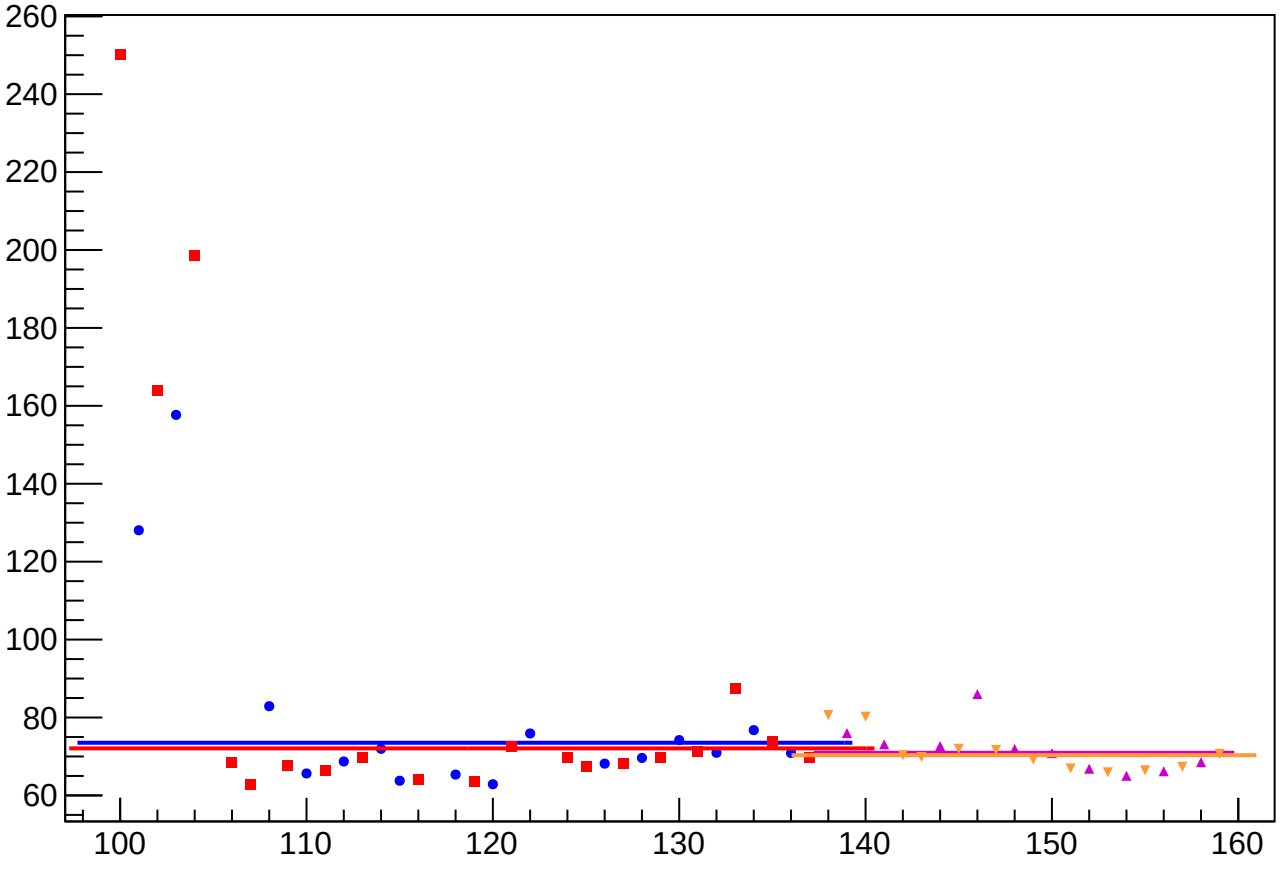
Left In: -112.339+/-24.122 χ^2/NDF:22.7/9

+ sign 43.597+/-17.729 χ^2/NDF: 45.1/27

All: -1.447+/-12.667 χ^2/NDF: 134.2/56

- sign -48.424+/-18.105 χ^2/NDF: 75.9/28

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

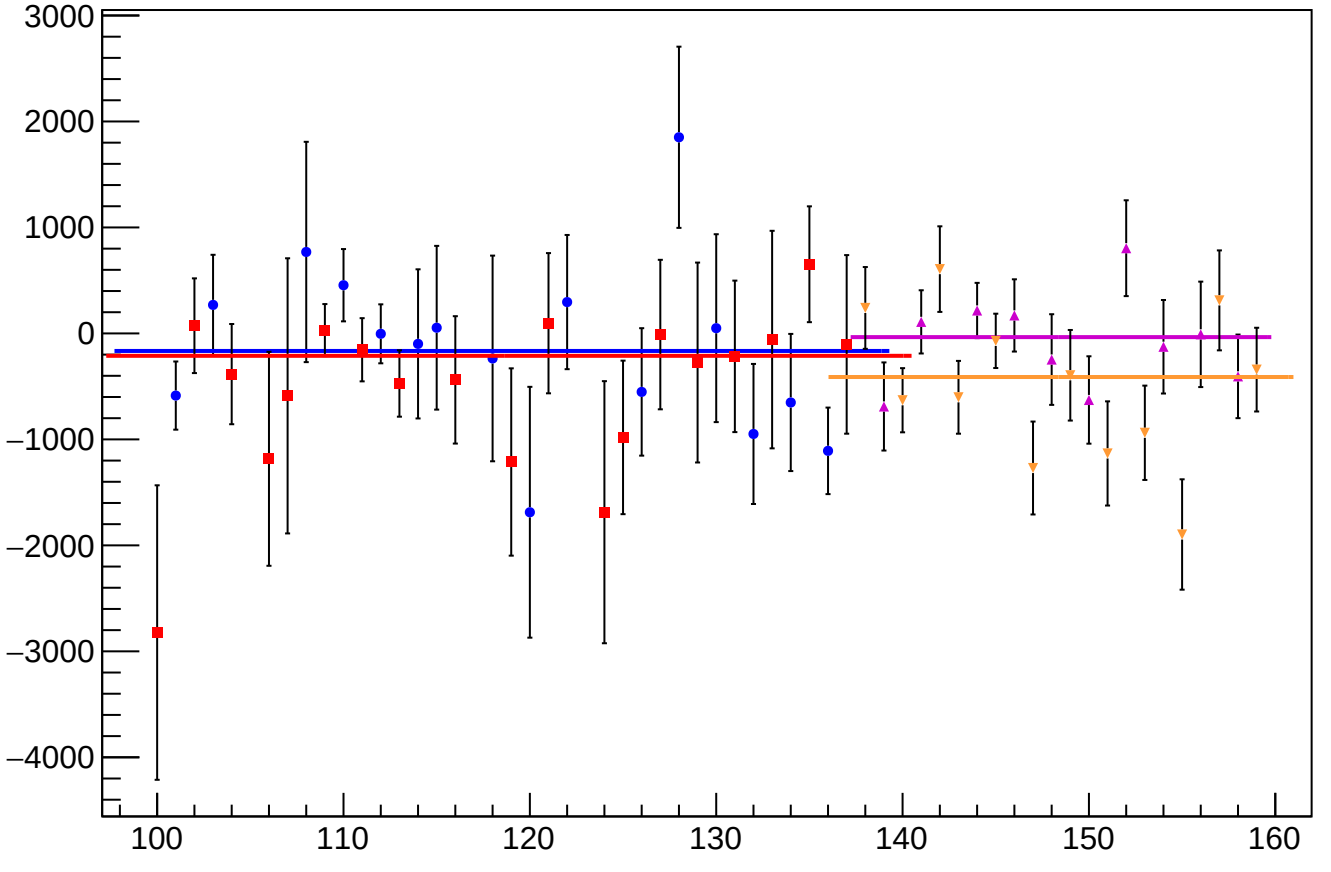
Left In: 70.950+/-0.017 χ^2/NDF:96928.4/9

+ sign 71.598+/-0.013 χ^2/NDF: 745458.9/27

All: 71.521+/-0.009 χ^2/NDF: 1802855.3/56

- sign 71.441+/-0.013 χ^2/NDF: 1057319.5/28

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

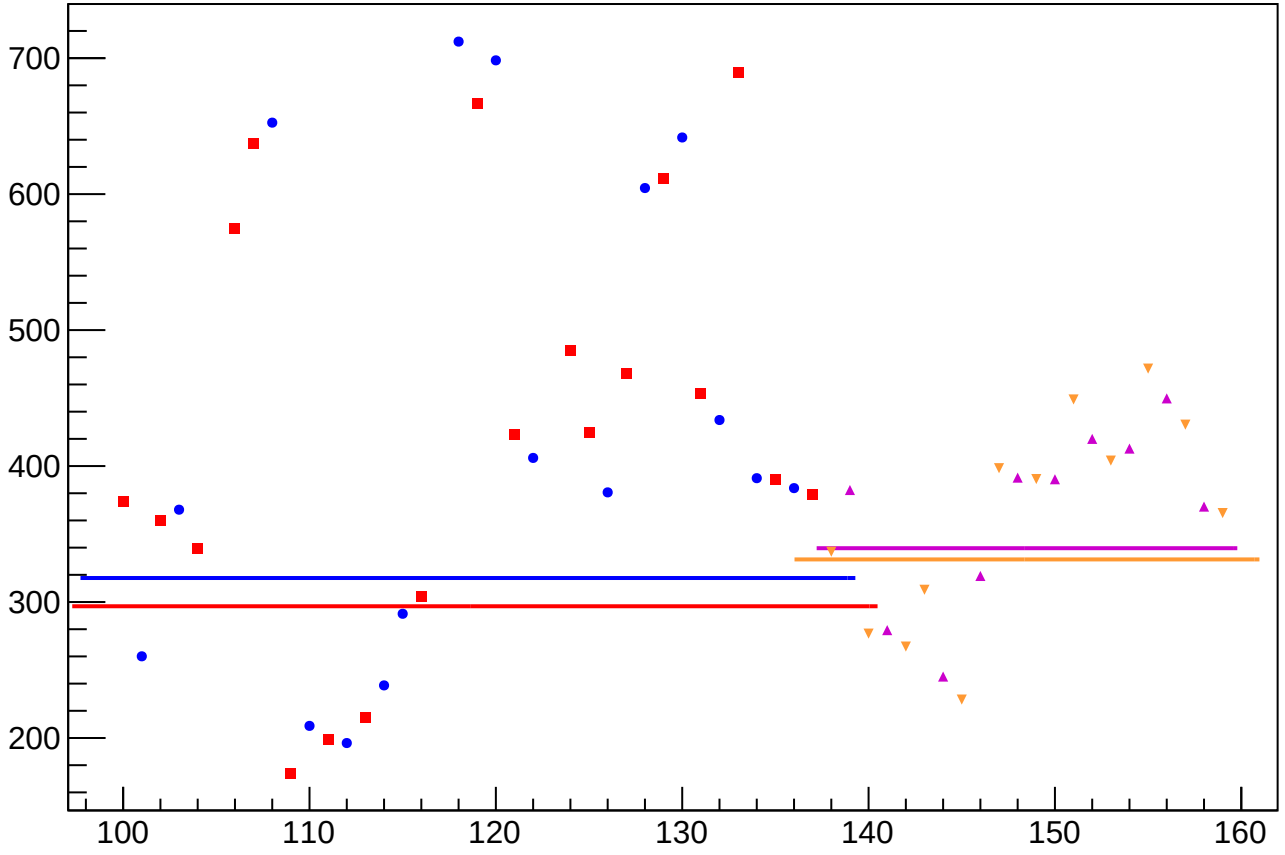
Left In: -34.895+/-117.697 χ^2/NDF:10.7/9

+ sign -306.827+/-83.763 χ^2/NDF: 54.5/27

All: -214.413+/-59.337 χ^2/NDF: 82.3/56

- sign -121.323+/-84.069 χ^2/NDF: 25.4/28

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

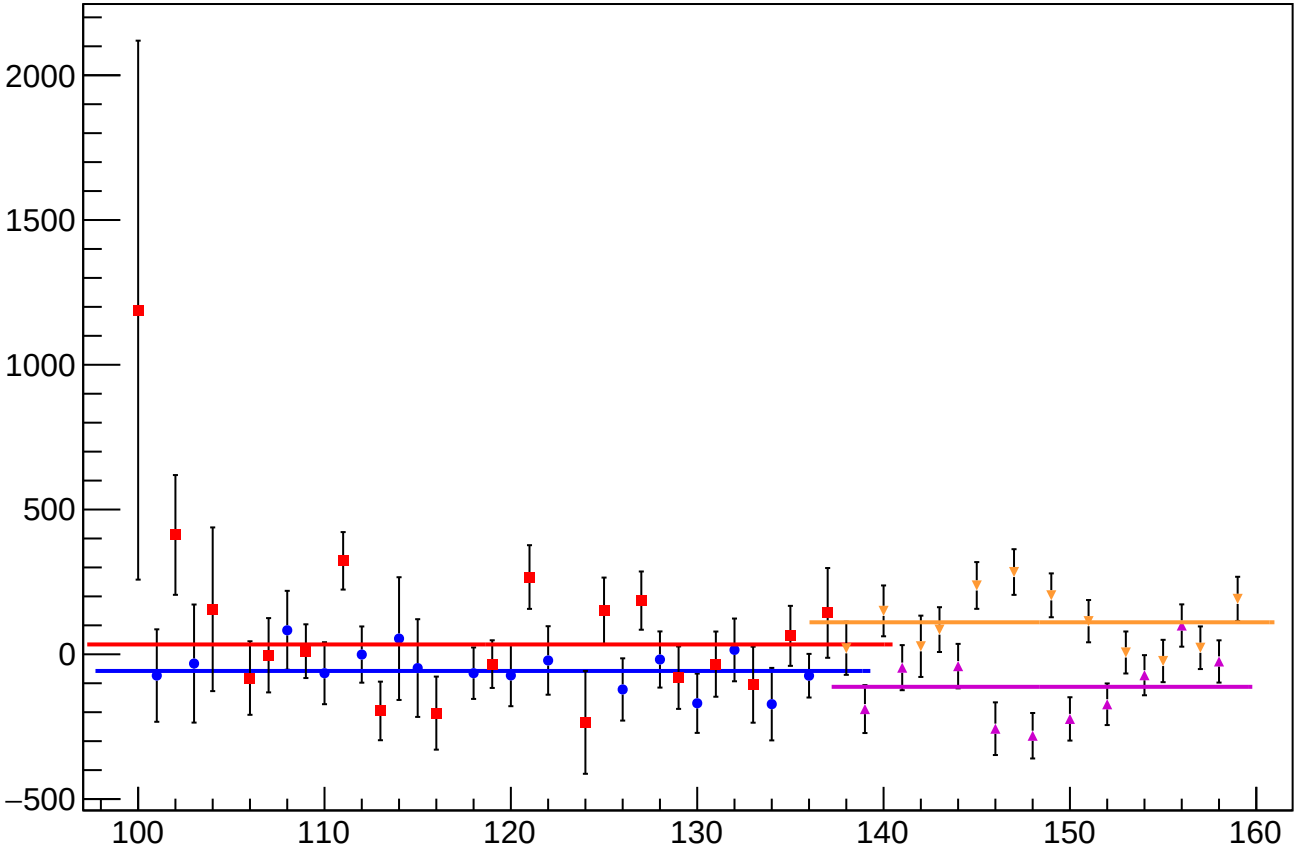
Left In: 339.587+/-0.083 χ^2/NDF:660376.9/9

+ sign 325.519+/-0.059 χ^2/NDF: 3098347.1/27

All: 322.109+/-0.042 χ^2/NDF: 6435353.4/56

- sign 318.673+/-0.059 χ^2/NDF: 3330350.4/28

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

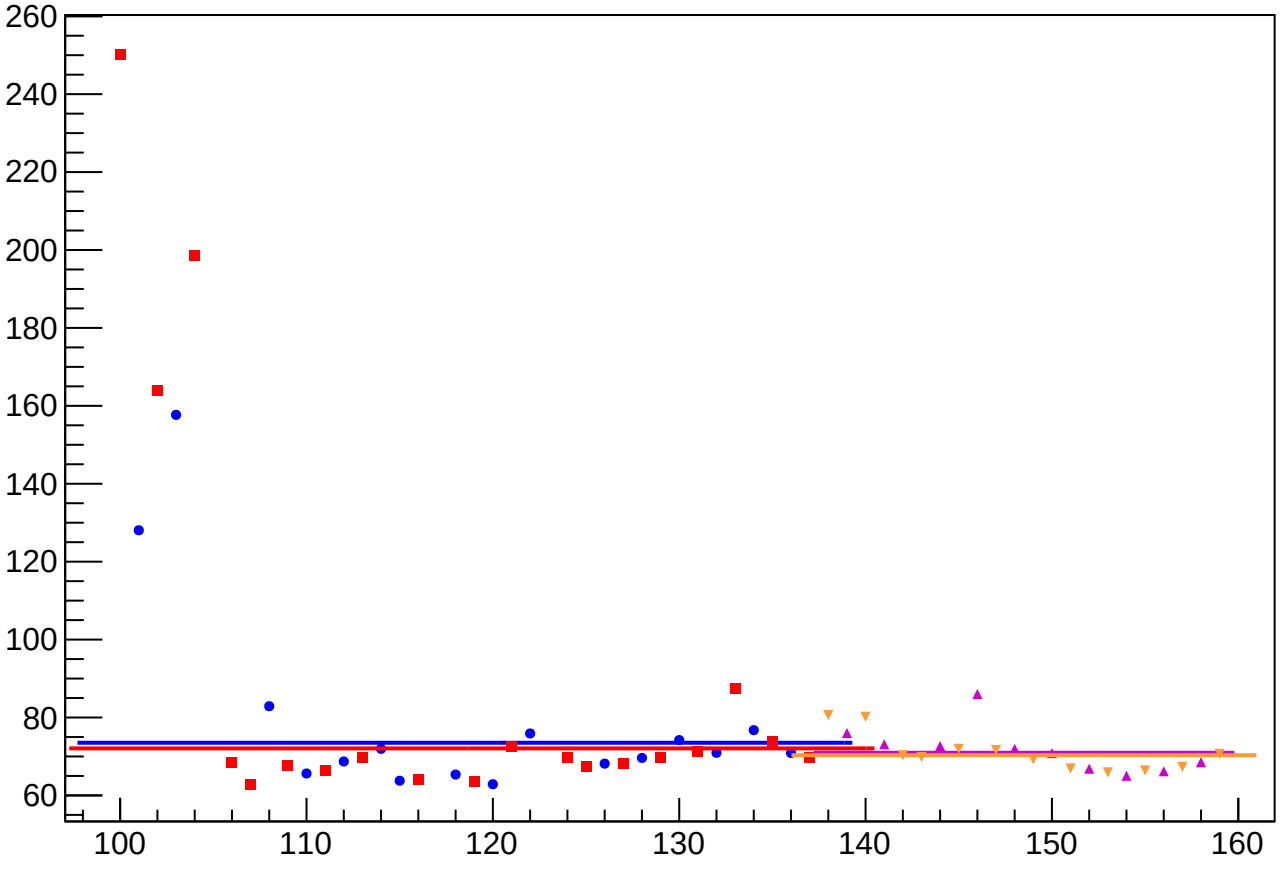
Left In: -112.339+/-24.122 χ^2/NDF:22.7/9

+ sign 43.598+/-17.729 χ^2/NDF: 45.1/27

All: -1.447+/-12.667 χ^2/NDF: 134.2/56

- sign -48.423+/-18.105 χ^2/NDF: 75.9/28

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

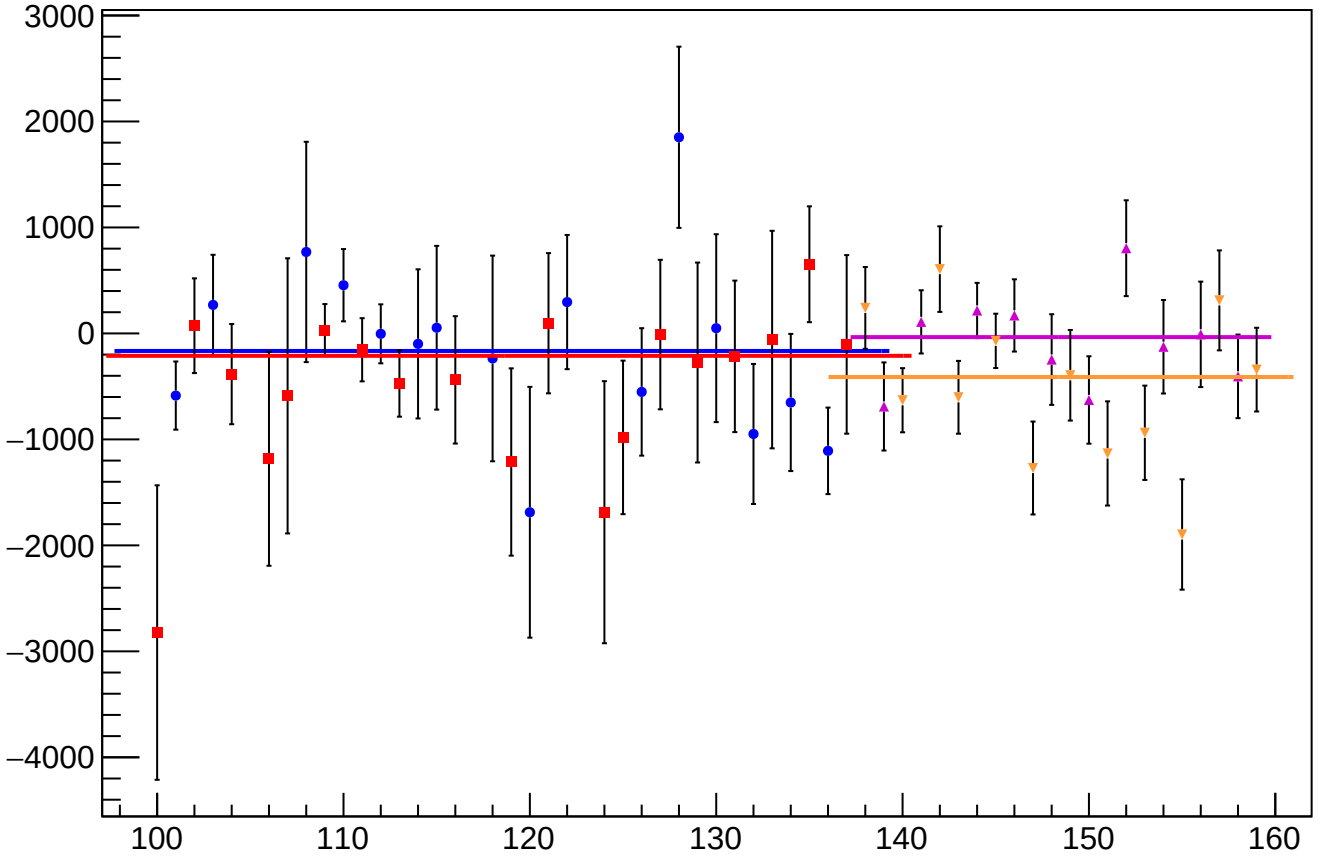
Left In: 70.950+/-0.017 χ^2/NDF:96928.9/9

+ sign 71.598+/-0.013 χ^2/NDF: 745458.7/27

All: 71.521+/-0.009 χ^2/NDF: 1802856.5/56

- sign 71.441+/-0.013 χ^2/NDF: 1057321.0/28

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

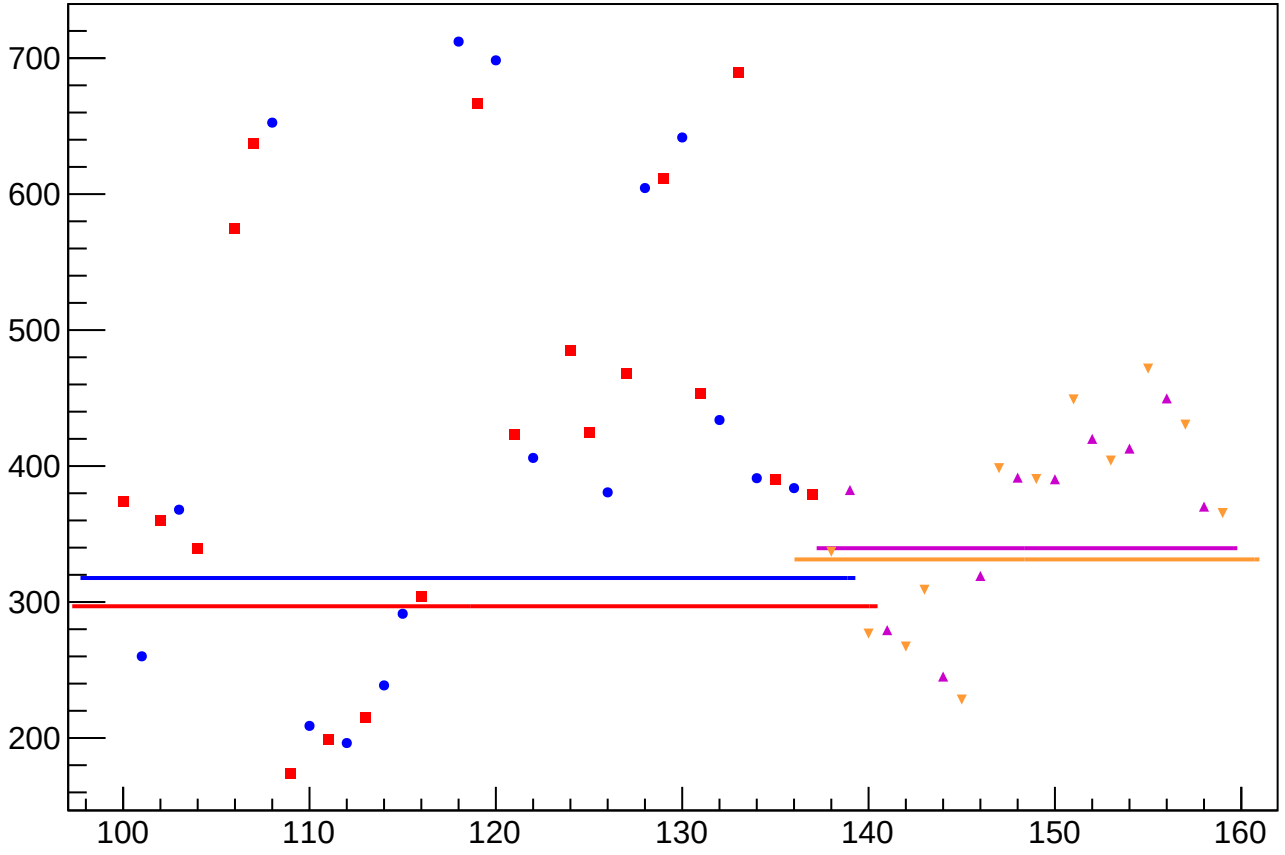
Left In: -34.895+/-117.697 χ^2/NDF:10.7/9

+ sign -306.826+/-83.762 χ^2/NDF: 54.5/27

All: -214.412+/-59.337 χ^2/NDF: 82.3/56

- sign -121.322+/-84.068 χ^2/NDF: 25.4/28

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

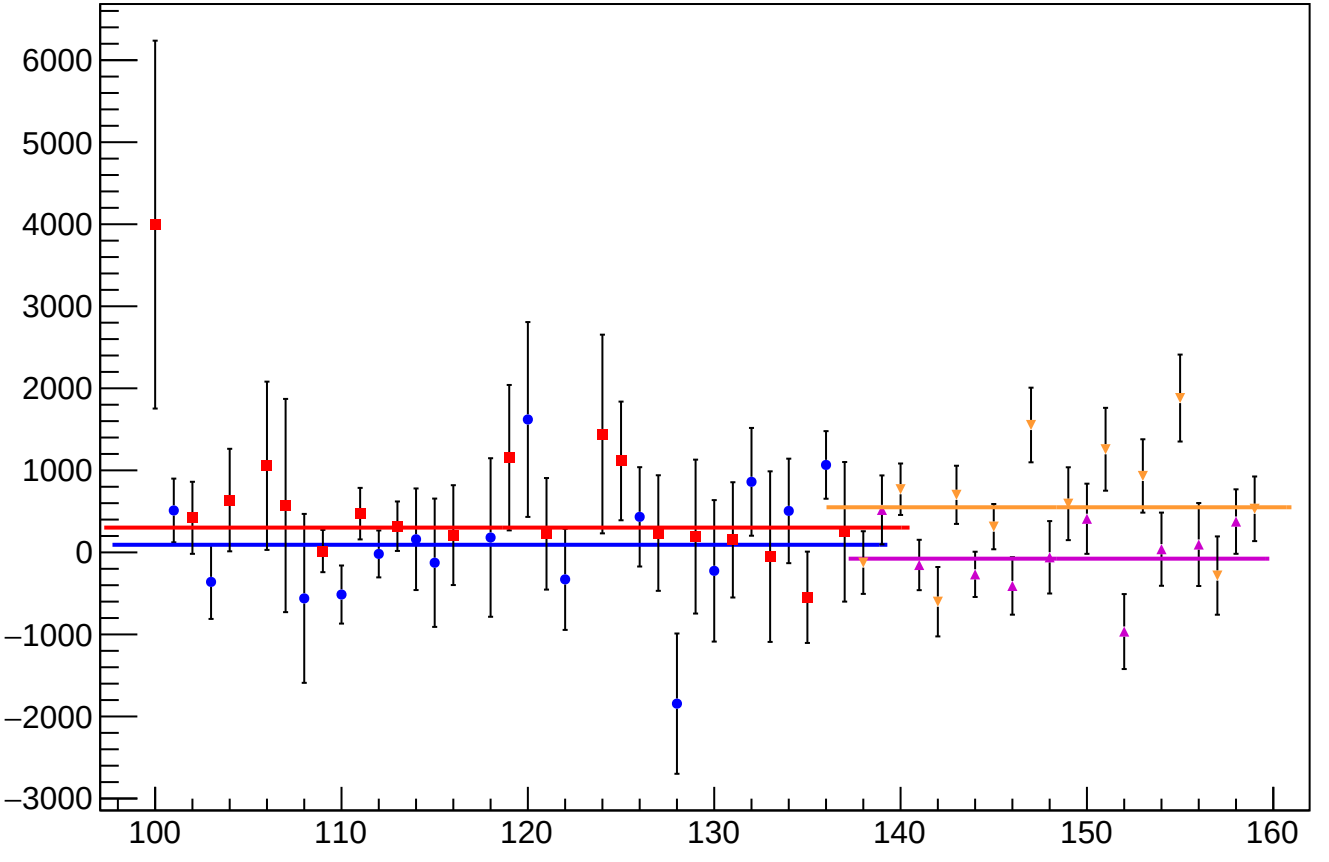
Left In: 339.587+/-0.083 χ^2/NDF:660383.1/9

+ sign 325.518+/-0.059 χ^2/NDF: 3098393.9/27

All: 322.107+/-0.042 χ^2/NDF: 6435425.1/56

- sign 318.672+/-0.059 χ^2/NDF: 3330376.1/28

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

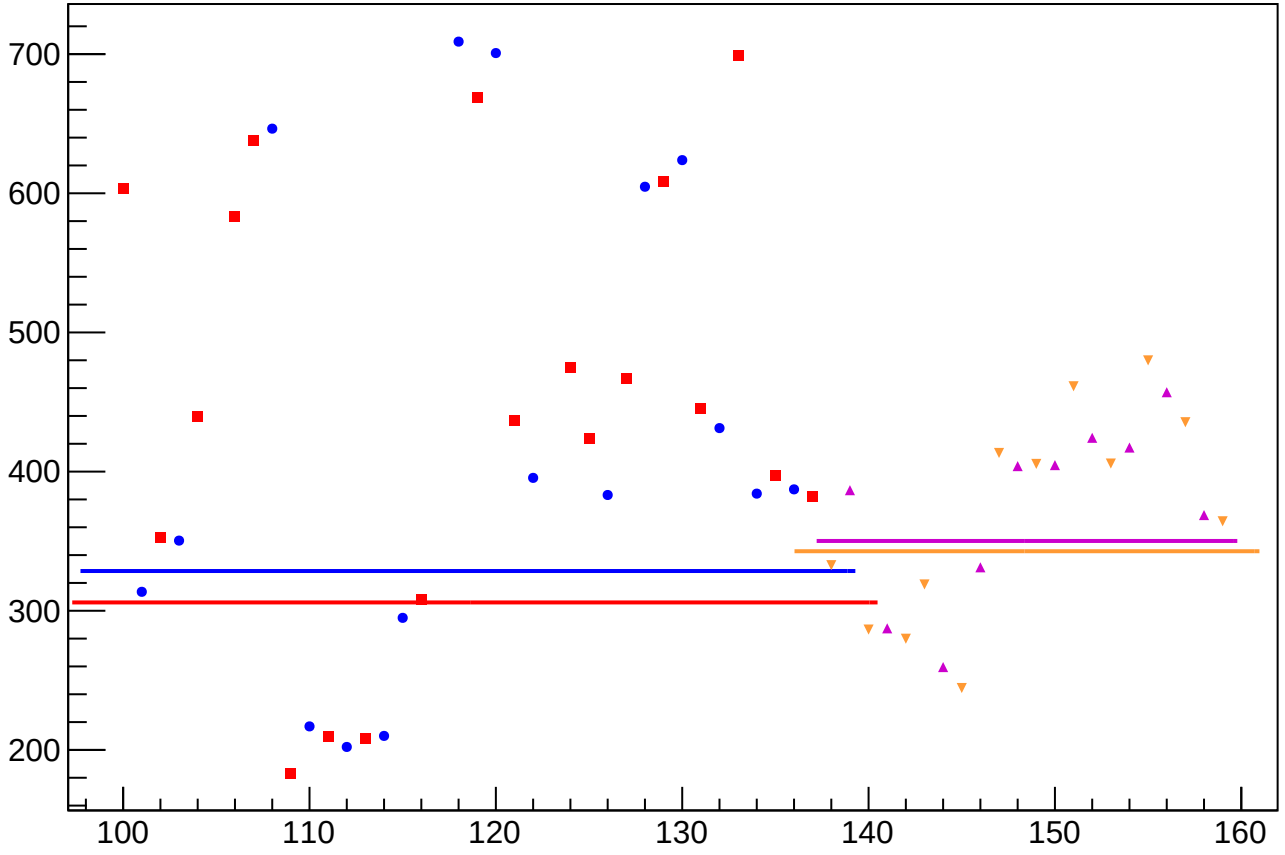
Left In: -76.521+/-120.950 χ^2/NDF:10.0/9

+ sign 354.550+/-86.265 χ^2/NDF: 56.5/27

All: 231.832+/-61.101 χ^2/NDF: 86.2/56

- sign 108.288+/-86.554 χ^2/NDF: 25.6/28

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

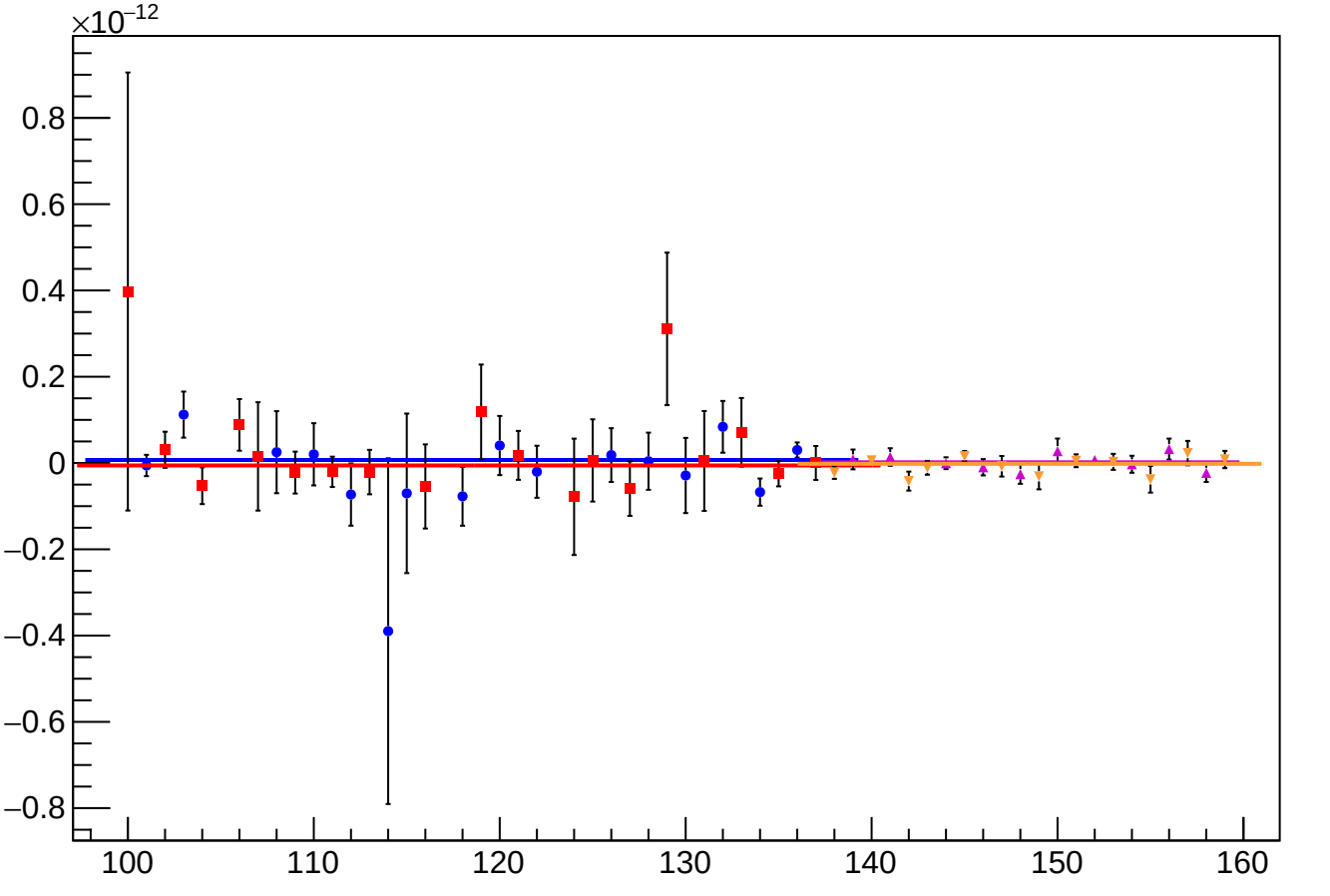
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 350.160+/-0.086 χ^2/NDF:574407.1/9

+ sign 336.704+/-0.061 χ^2/NDF: 2798519.5/27

All: 332.670+/-0.043 χ^2/NDF: 6039311.9/56

- sign 328.609+/-0.061 χ^2/NDF: 3232017.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/11

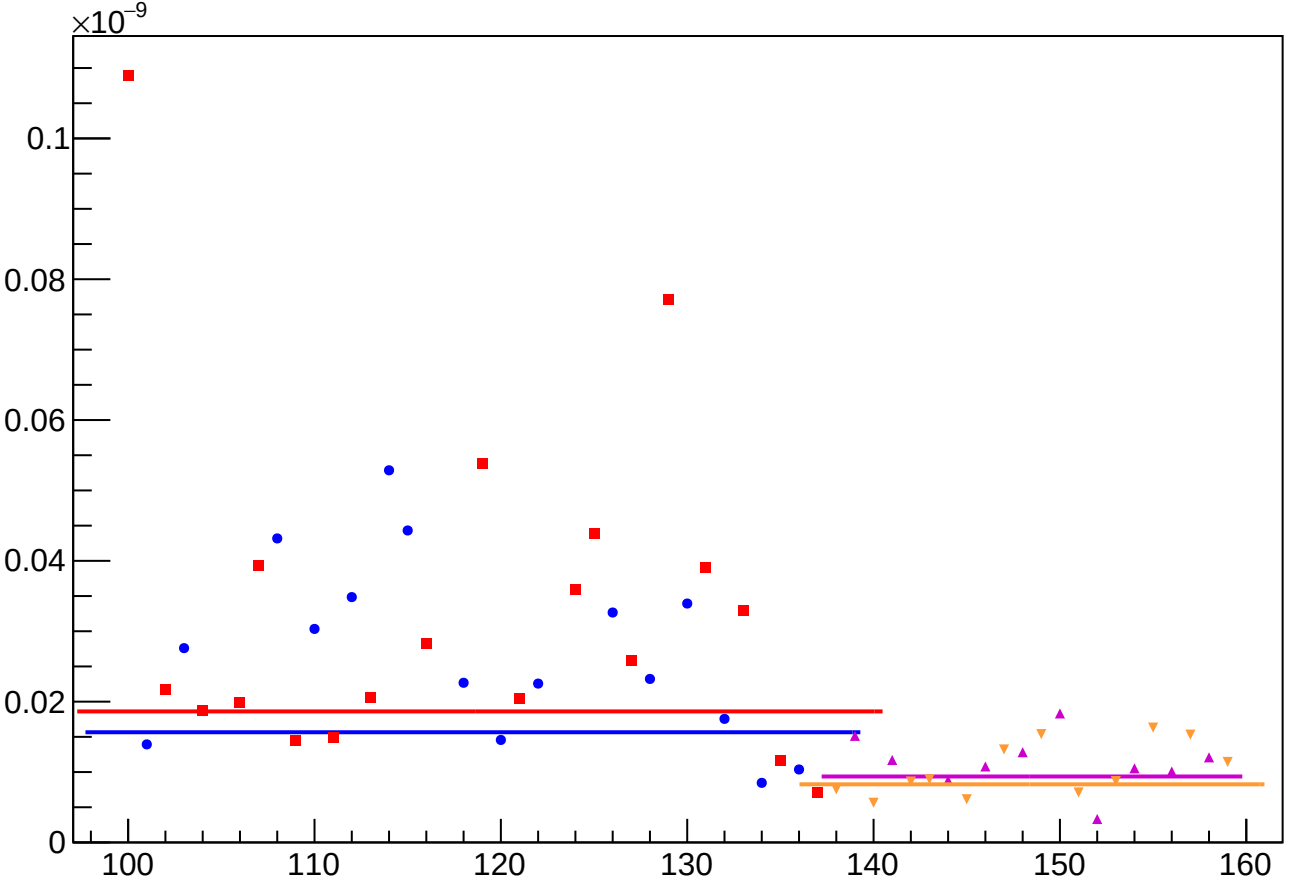
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/27

All: -0.000+/-0.000 χ^2/NDF: 49.6/56

- sign 0.000+/-0.000 χ^2/NDF: 19.3/28



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

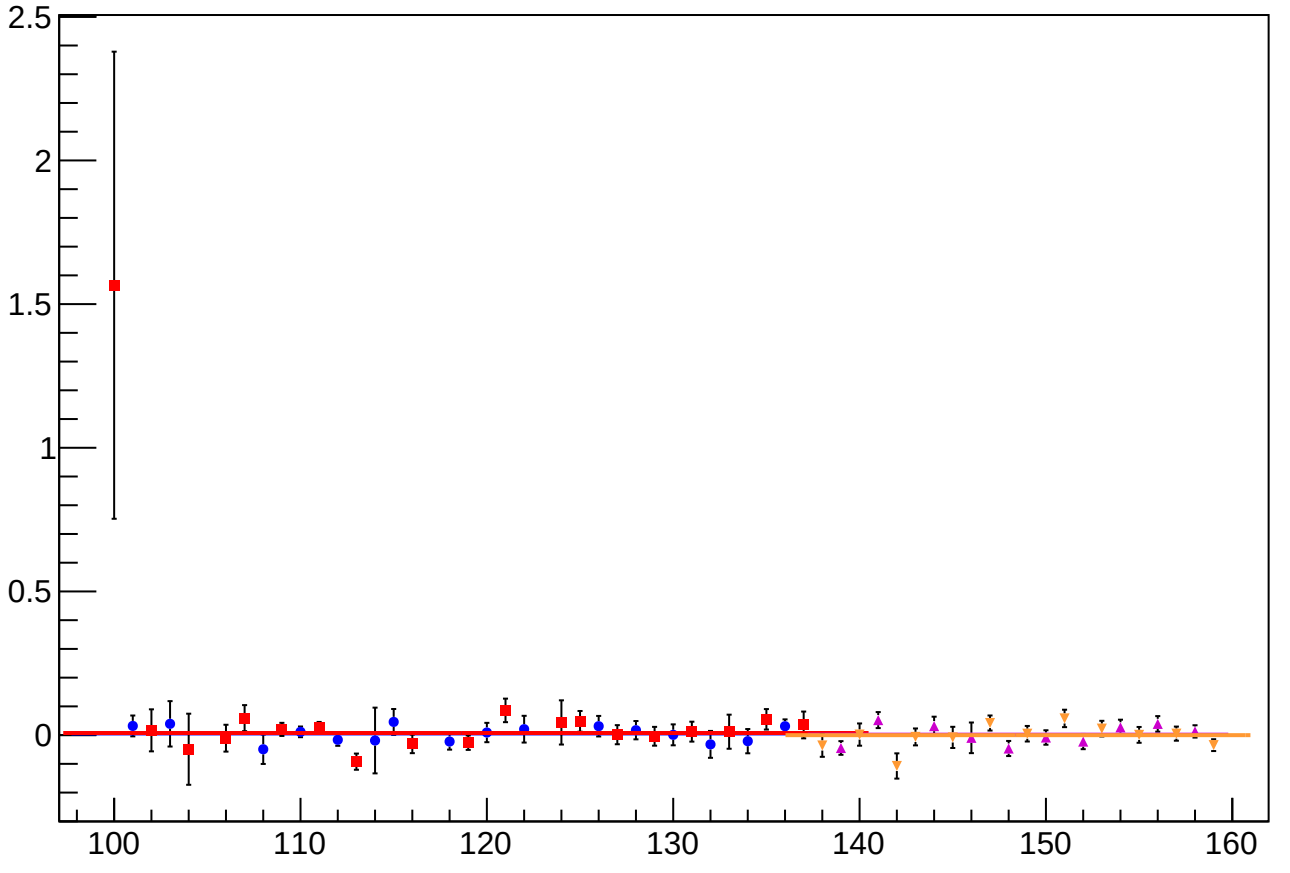
Left In: 0.000+/-0.000 χ^2/NDF:990927.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 2642476.4/27

All: 0.000+/-0.000 χ^2/NDF: 5810449.6/56

- sign 0.000+/-0.000 χ^2/NDF: 3080443.6/28

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

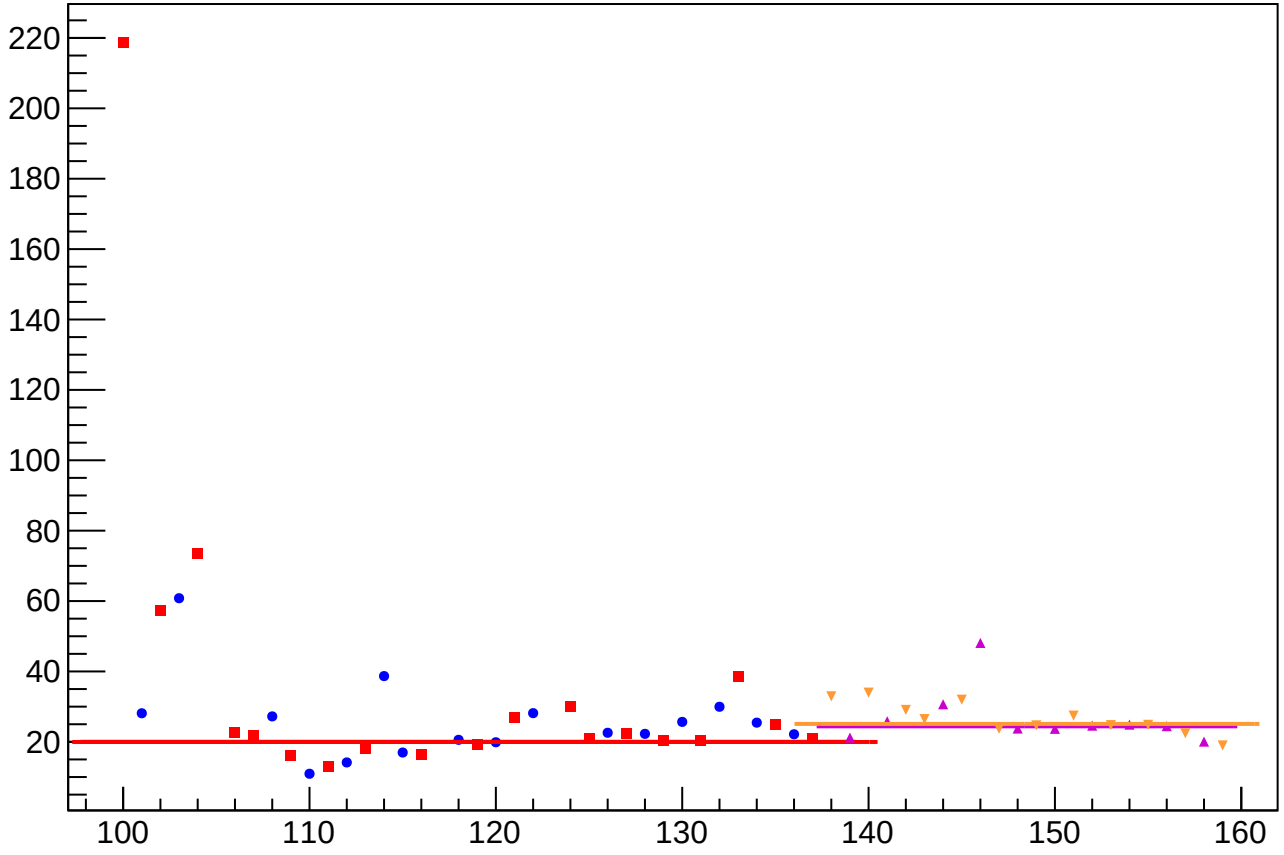
Left In: 0.002+/-0.009 χ^2/NDF:15.4/9

+ sign 0.003+/-0.006 χ^2/NDF: 24.9/27

All: 0.004+/-0.004 χ^2/NDF: 70.4/56

- sign 0.005+/-0.006 χ^2/NDF: 45.5/28

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

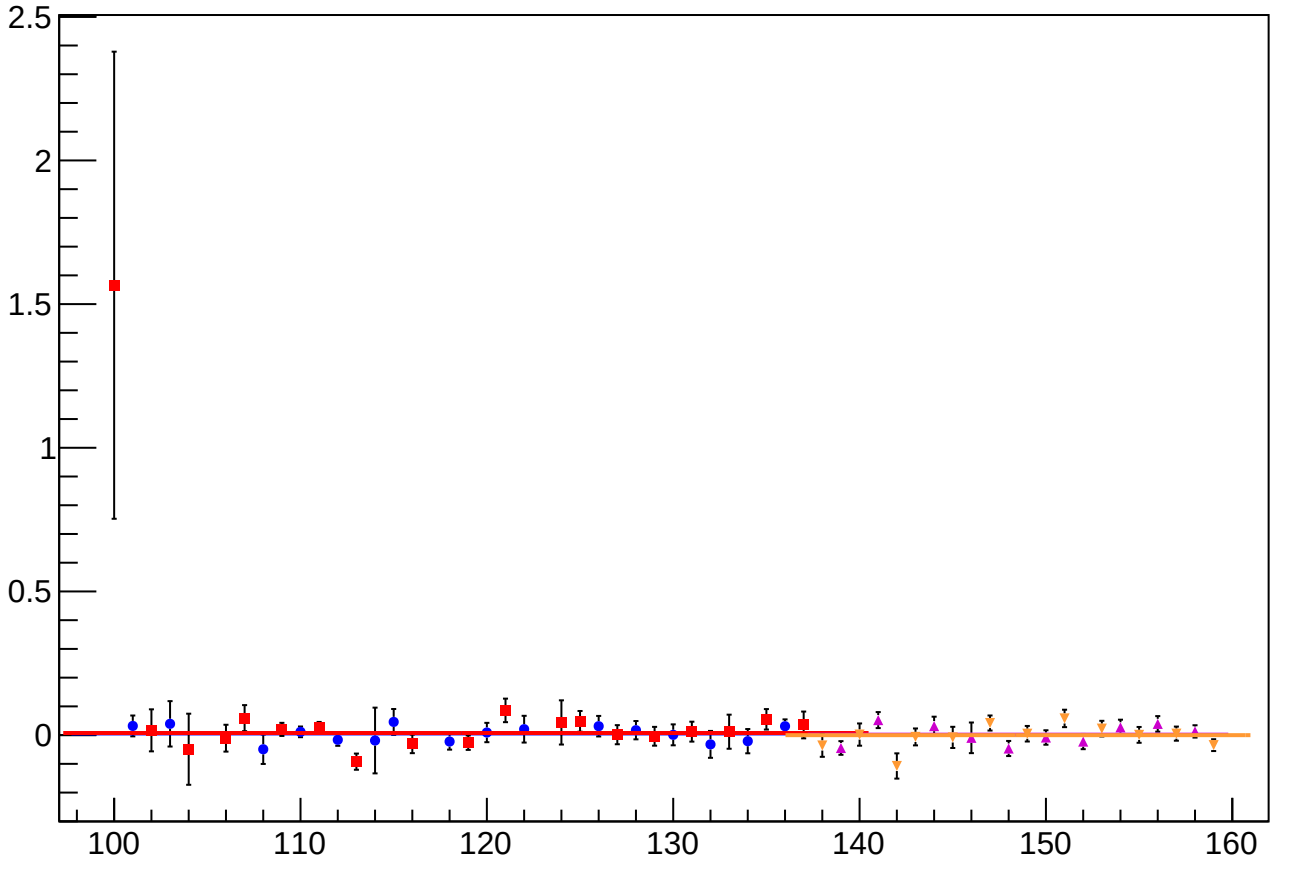
Left In: 24.404+/-0.006 χ^2/NDF:594586.4/9

+ sign 22.488+/-0.004 χ^2/NDF: 2514685.5/27

All: 22.278+/-0.003 χ^2/NDF: 5116453.1/56

- sign 22.066+/-0.004 χ^2/NDF: 2596587.0/28

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

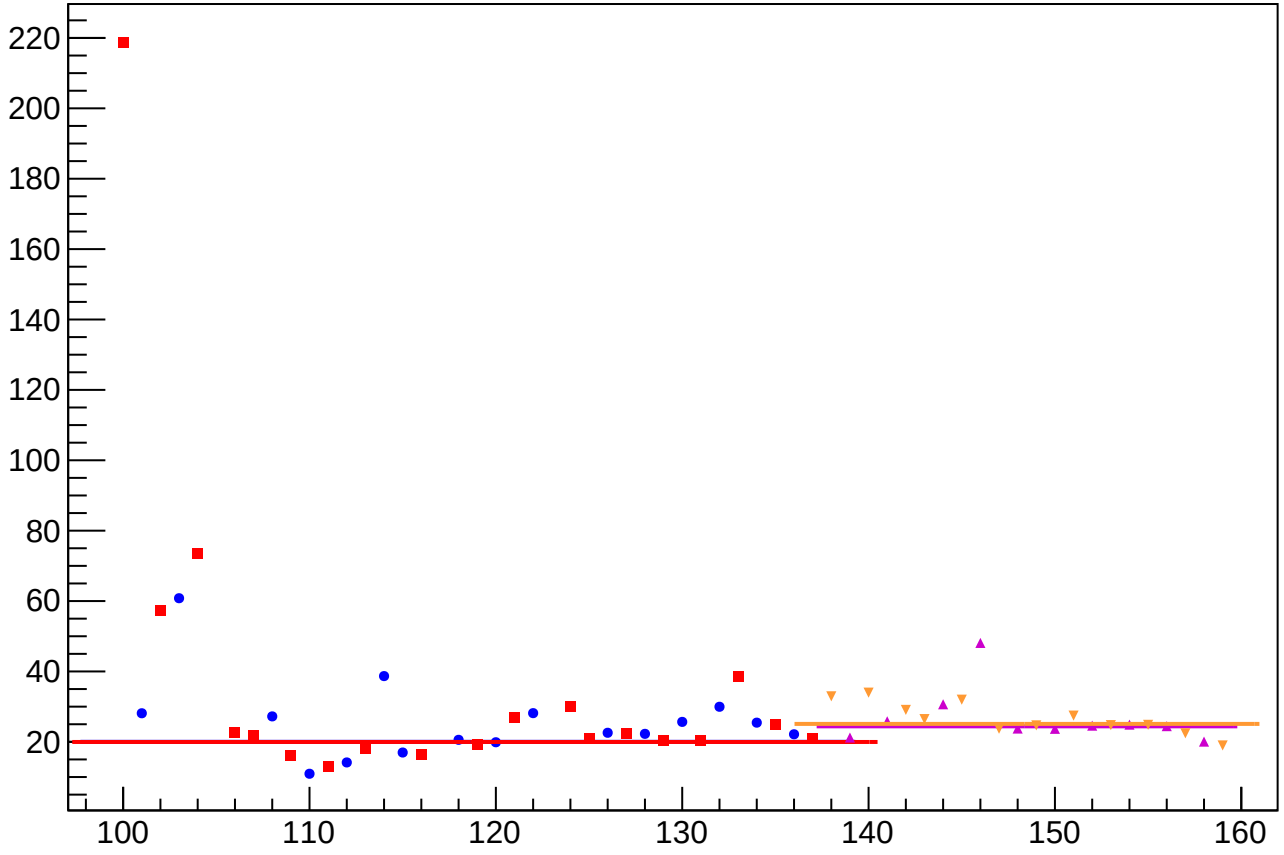
Left In: 0.002+/-0.009 χ^2/NDF:15.4/9

+ sign 0.003+/-0.006 χ^2/NDF: 24.9/27

All: 0.004+/-0.004 χ^2/NDF: 70.4/56

- sign 0.005+/-0.006 χ^2/NDF: 45.5/28

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

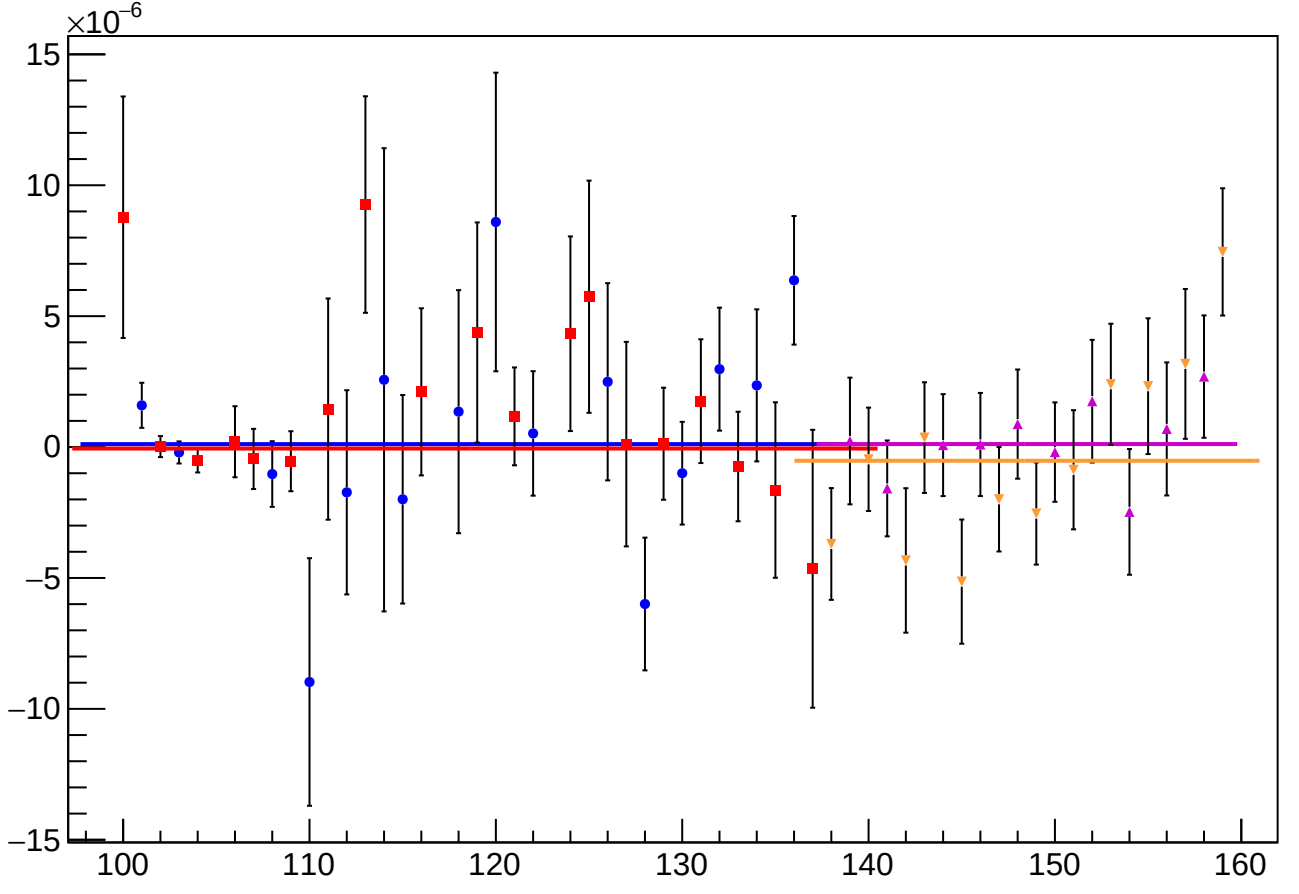
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.404+/-0.006 χ^2/NDF:594586.4/9

+ sign 22.488+/-0.004 χ^2/NDF: 2514685.5/27

All: 22.278+/-0.003 χ^2/NDF: 5116453.1/56

- sign 22.066+/-0.004 χ^2/NDF: 2596587.0/28



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

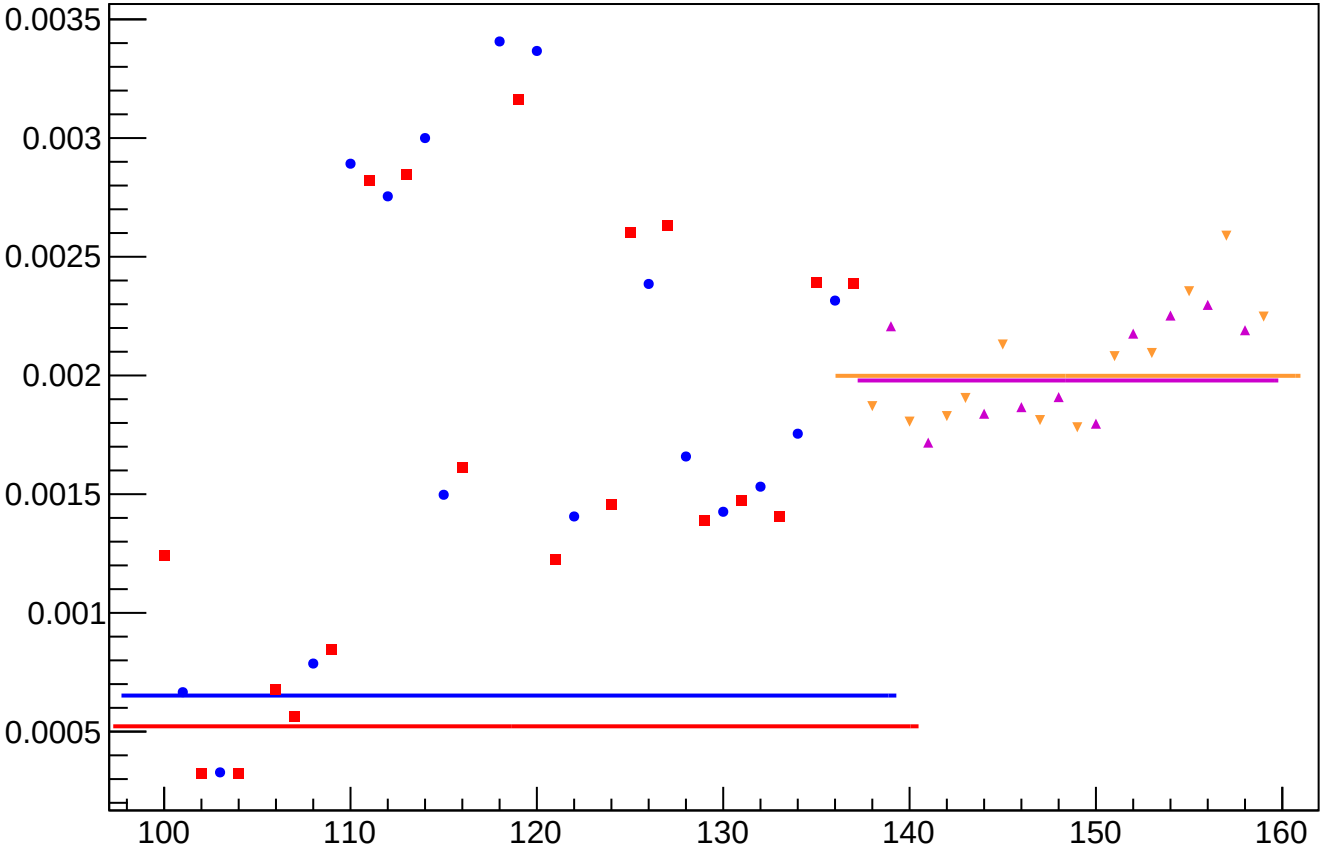
Left In: 0.000+/-0.000 χ^2/NDF:3.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 51.8/27

All: -0.000+/-0.000 χ^2/NDF: 72.9/56

- sign -0.000+/-0.000 χ^2/NDF: 21.1/28

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

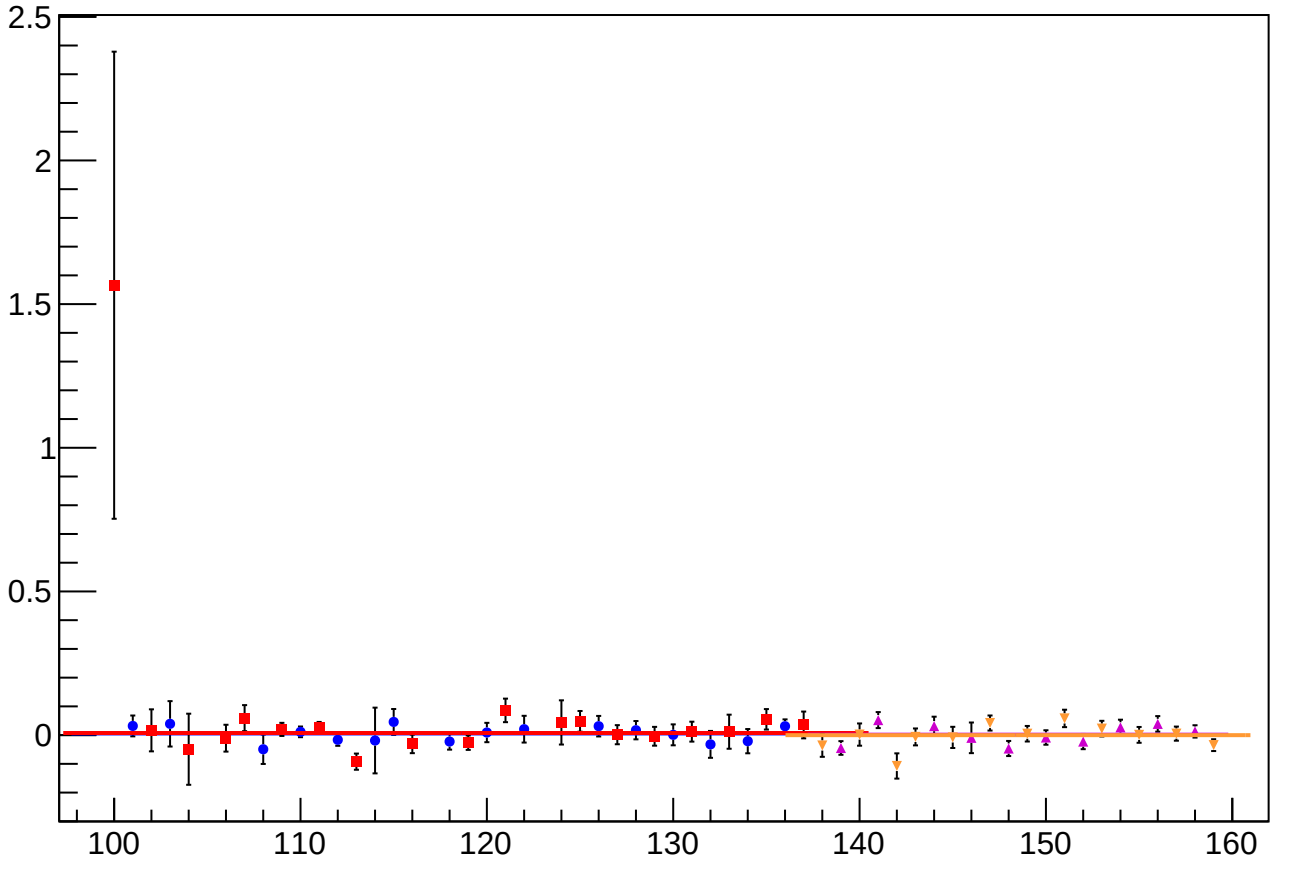
Left In: 0.002+/-0.000 χ^2/NDF:184081.1/9

+ sign 0.001+/-0.000 χ^2/NDF: 13338974.4/27

All: 0.001+/-0.000 χ^2/NDF: 28953355.8/56

- sign 0.001+/-0.000 χ^2/NDF: 14958893.1/28

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

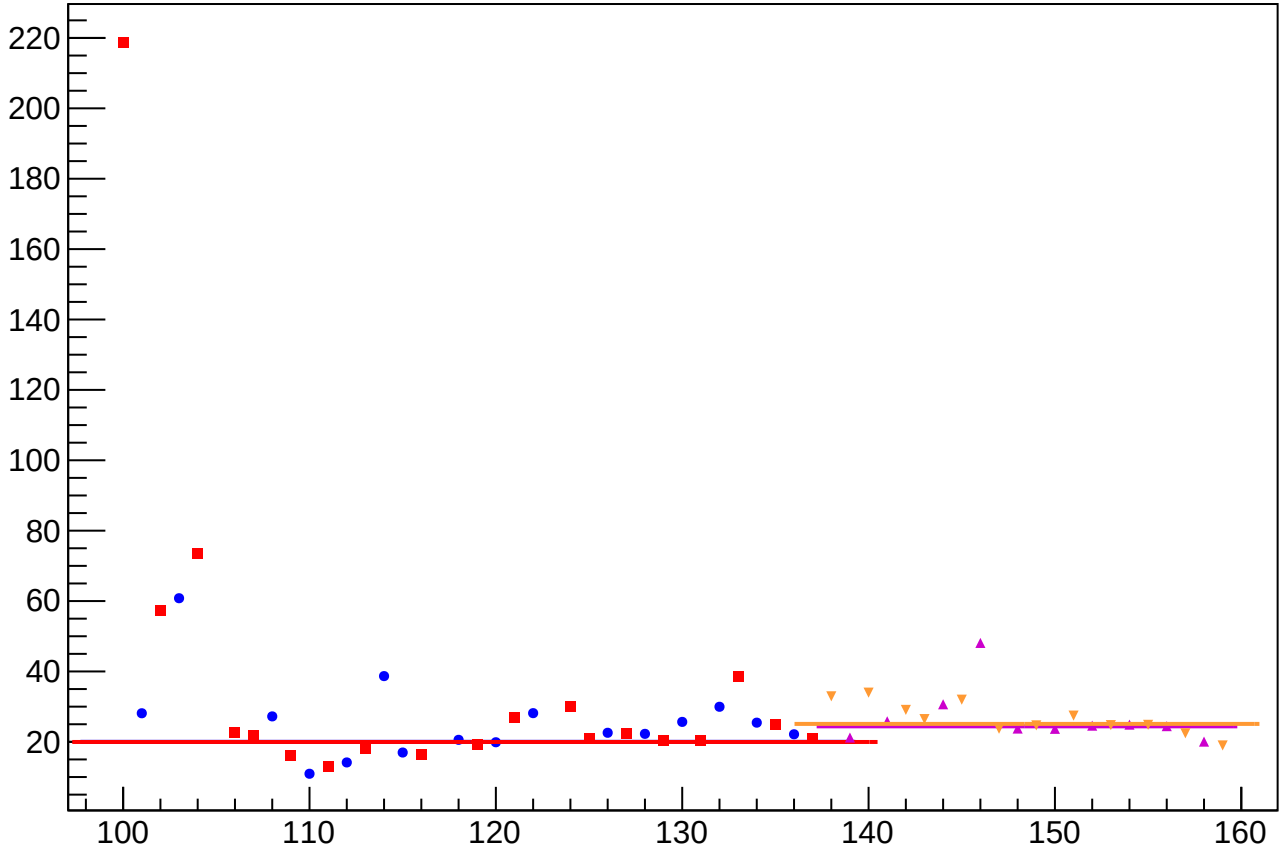
Left In: 0.002+/-0.009 χ^2/NDF:15.4/9

+ sign 0.003+/-0.006 χ^2/NDF: 24.9/27

All: 0.004+/-0.004 χ^2/NDF: 70.4/56

- sign 0.005+/-0.006 χ^2/NDF: 45.5/28

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

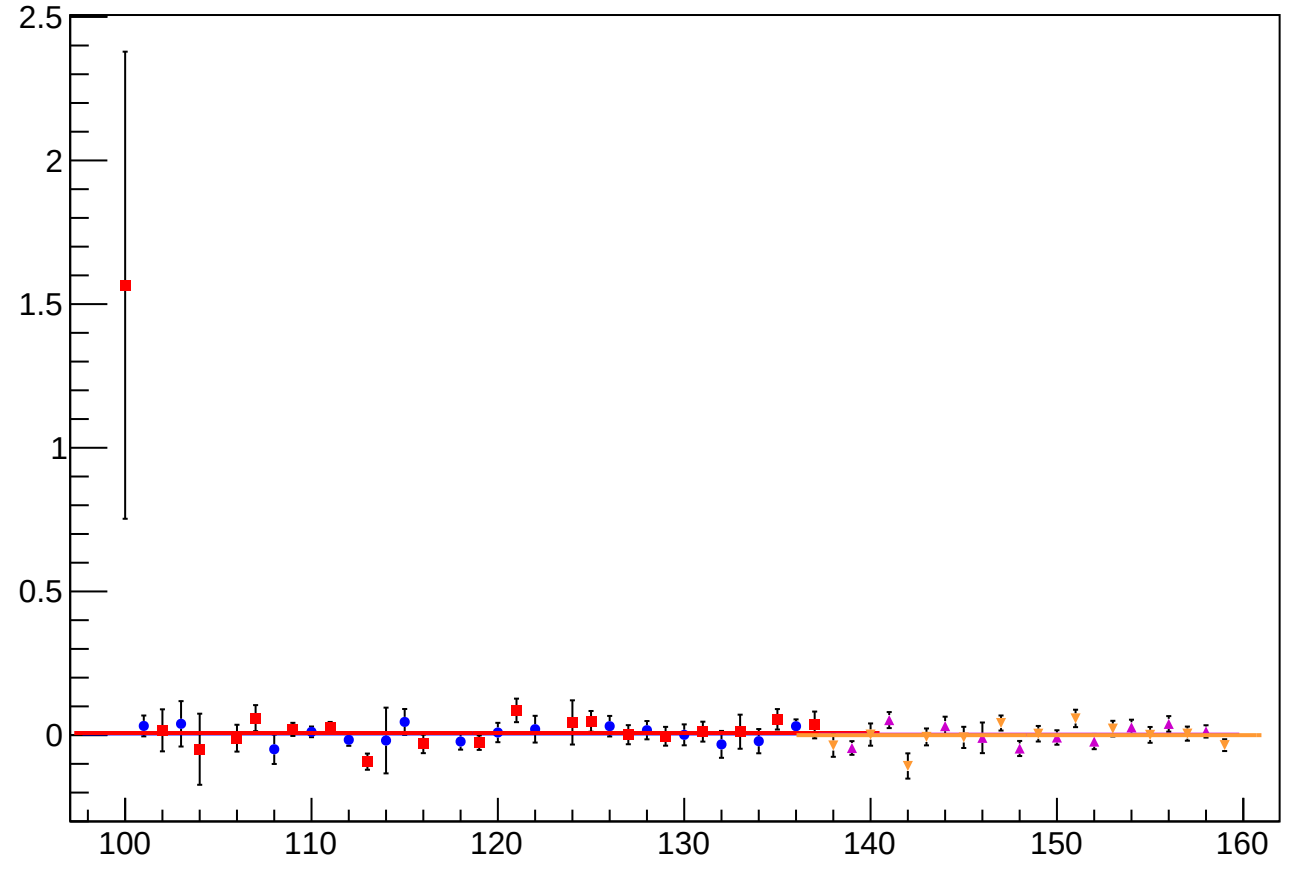
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.404+/-0.006 χ^2/NDF:594605.5/9

+ sign 22.488+/-0.004 χ^2/NDF: 2514470.4/27

All: 22.278+/-0.003 χ^2/NDF: 5116175.5/56

- sign 22.066+/-0.004 χ^2/NDF: 2596519.3/28



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.000+/-0.008 χ^2/NDF:16.8/11

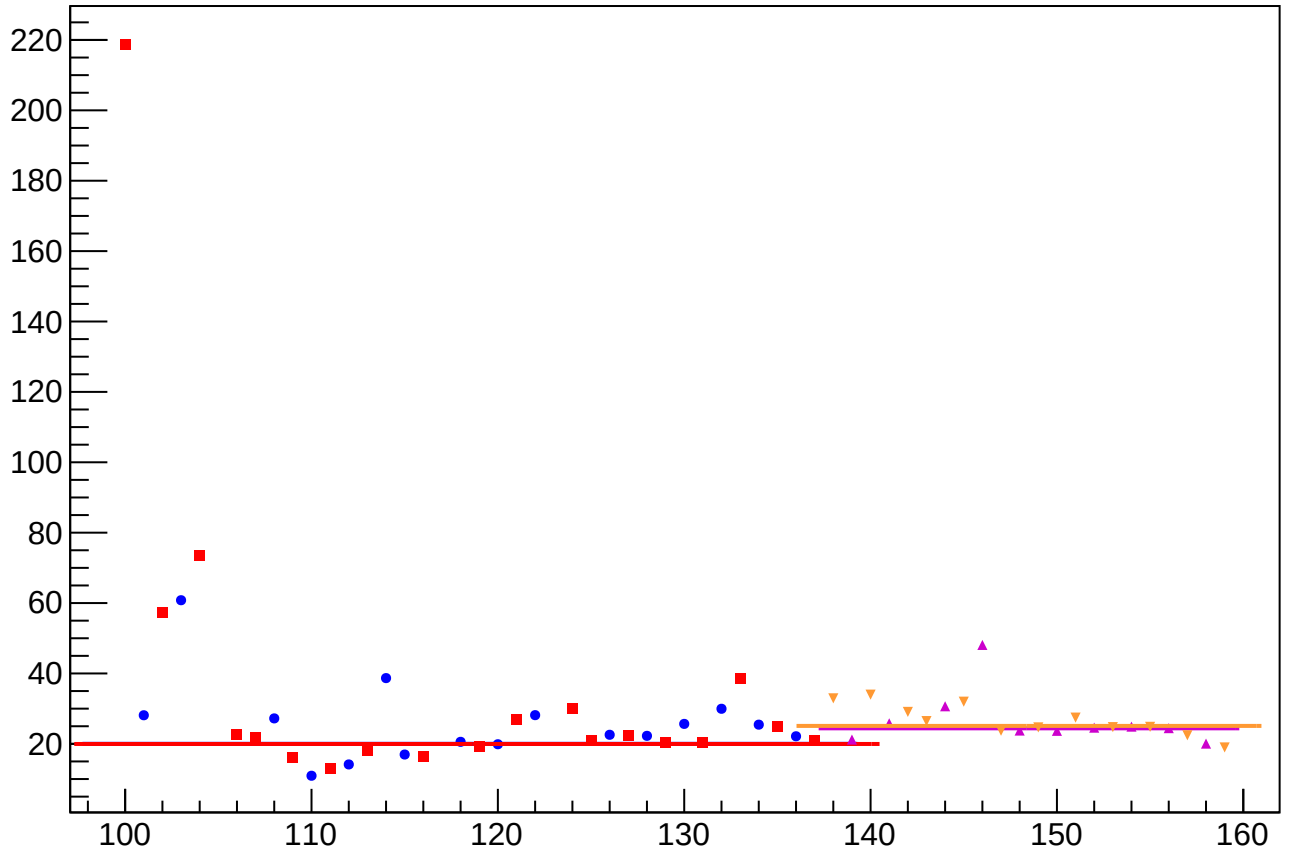
Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.009 χ^2/NDF:15.4/9

+ sign 0.003+/-0.006 χ^2/NDF: 24.9/27

All: 0.004+/-0.004 χ^2/NDF: 70.4/56

- sign 0.005+/-0.006 χ^2/NDF: 45.5/28



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.095+/-0.006 χ^2/NDF:493356.9/11

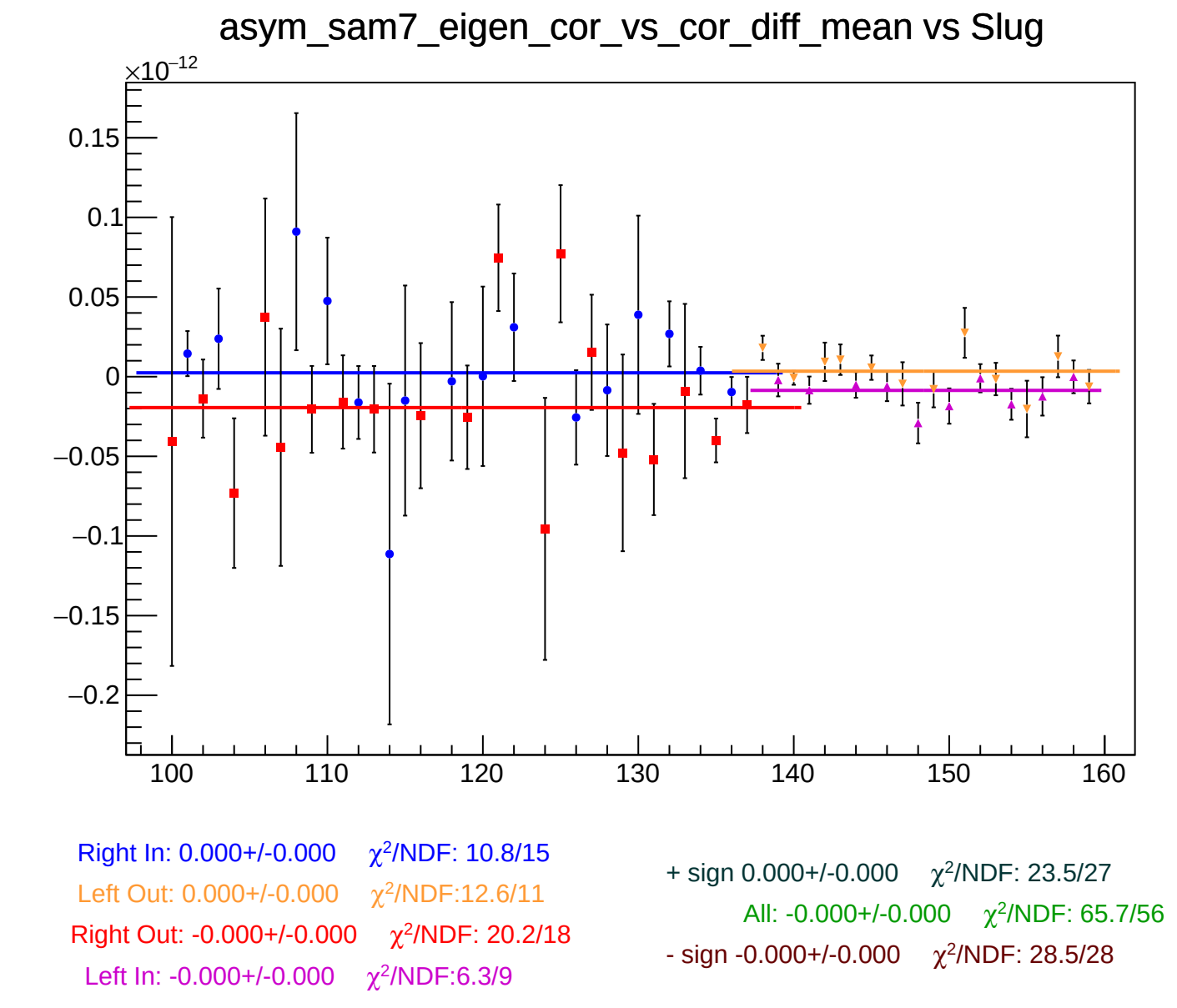
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.404+/-0.006 χ^2/NDF:594605.5/9

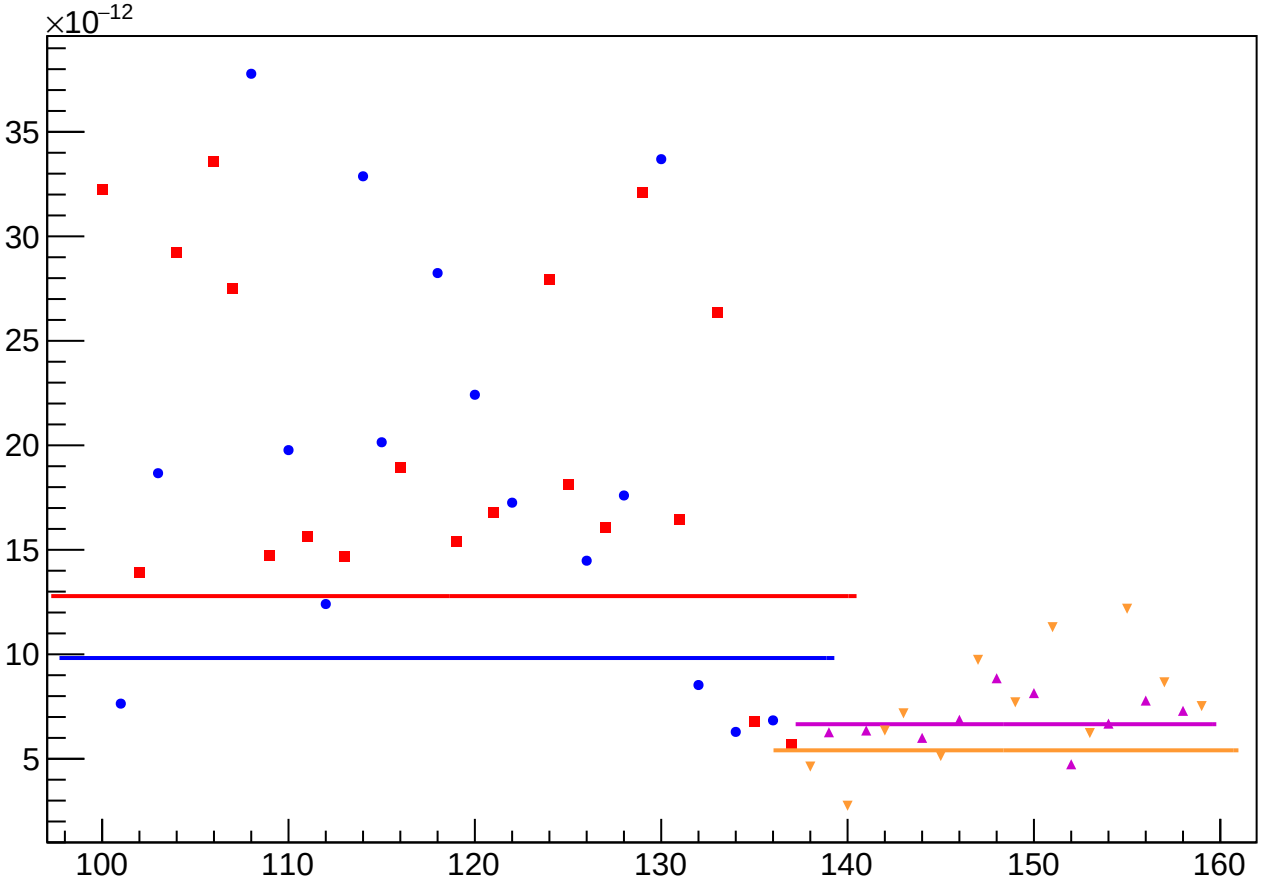
+ sign 22.488+/-0.004 χ^2/NDF: 2514470.4/27

All: 22.278+/-0.003 χ^2/NDF: 5116175.5/56

- sign 22.066+/-0.004 χ^2/NDF: 2596519.3/28


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:6.3/9
+ sign 0.000+/-0.000 χ²/NDF: 23.5/27
All: -0.000+/-0.000 χ²/NDF: 65.7/56
- sign -0.000+/-0.000 χ²/NDF: 28.5/28

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

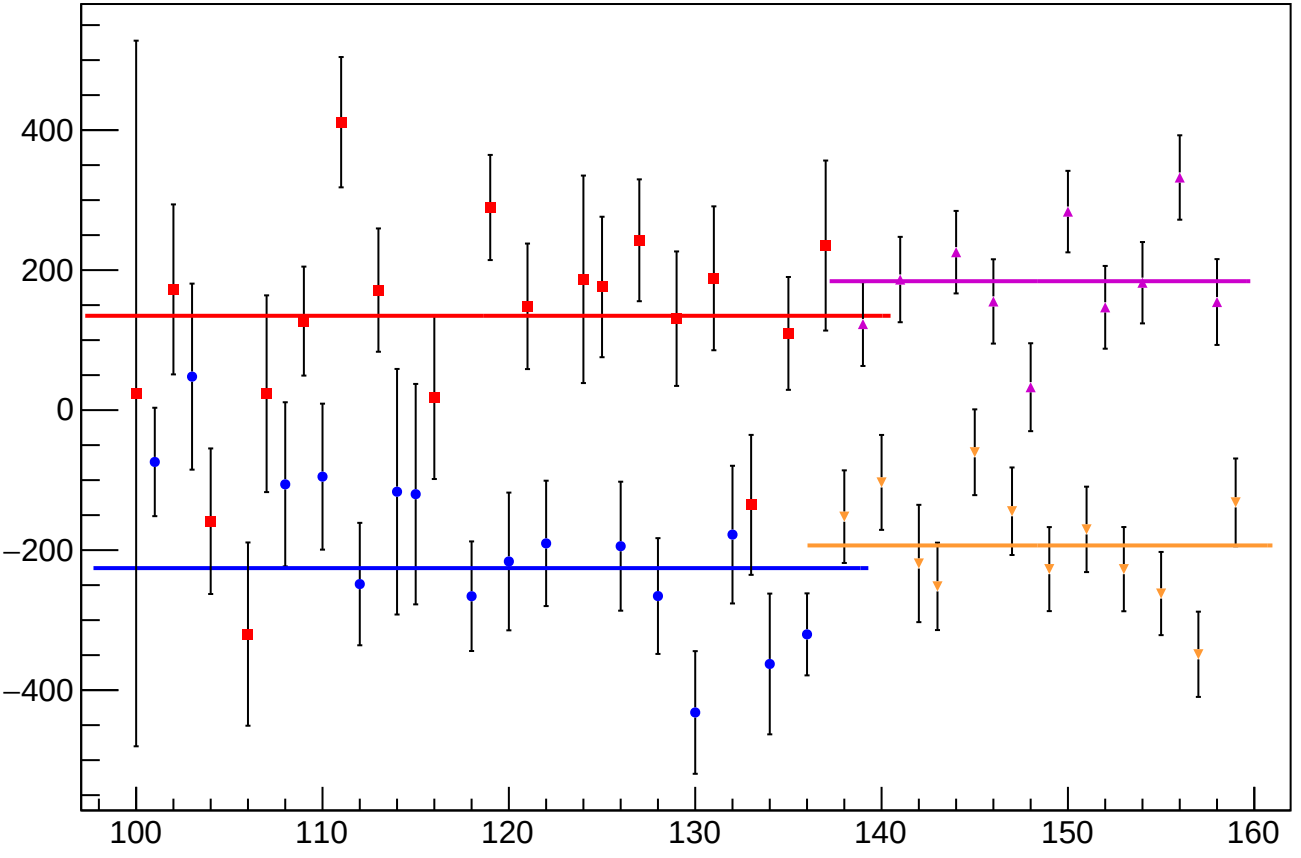
Left In: 0.000+/-0.000 χ^2/NDF:233852.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 4895368.3/27

All: 0.000+/-0.000 χ^2/NDF: 8520567.8/56

- sign 0.000+/-0.000 χ^2/NDF: 3297231.9/28

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

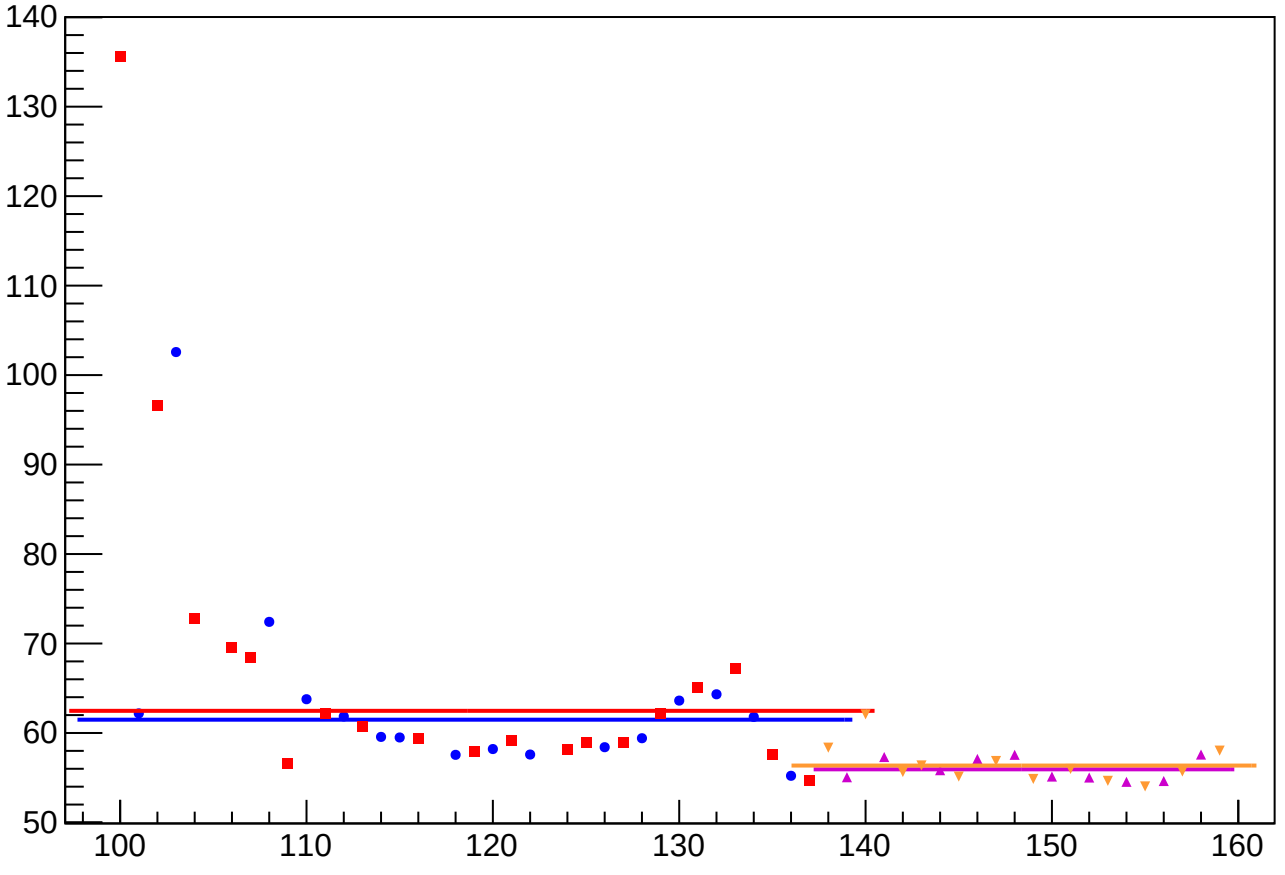
Left In: 184.174+/-18.954 χ^2/NDF:17.2/9

+ sign -205.753+/-14.332 χ^2/NDF: 41.9/27

All: -25.075+/-10.254 χ^2/NDF: 432.6/56

- sign 164.386+/-14.676 χ^2/NDF: 65.2/28

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

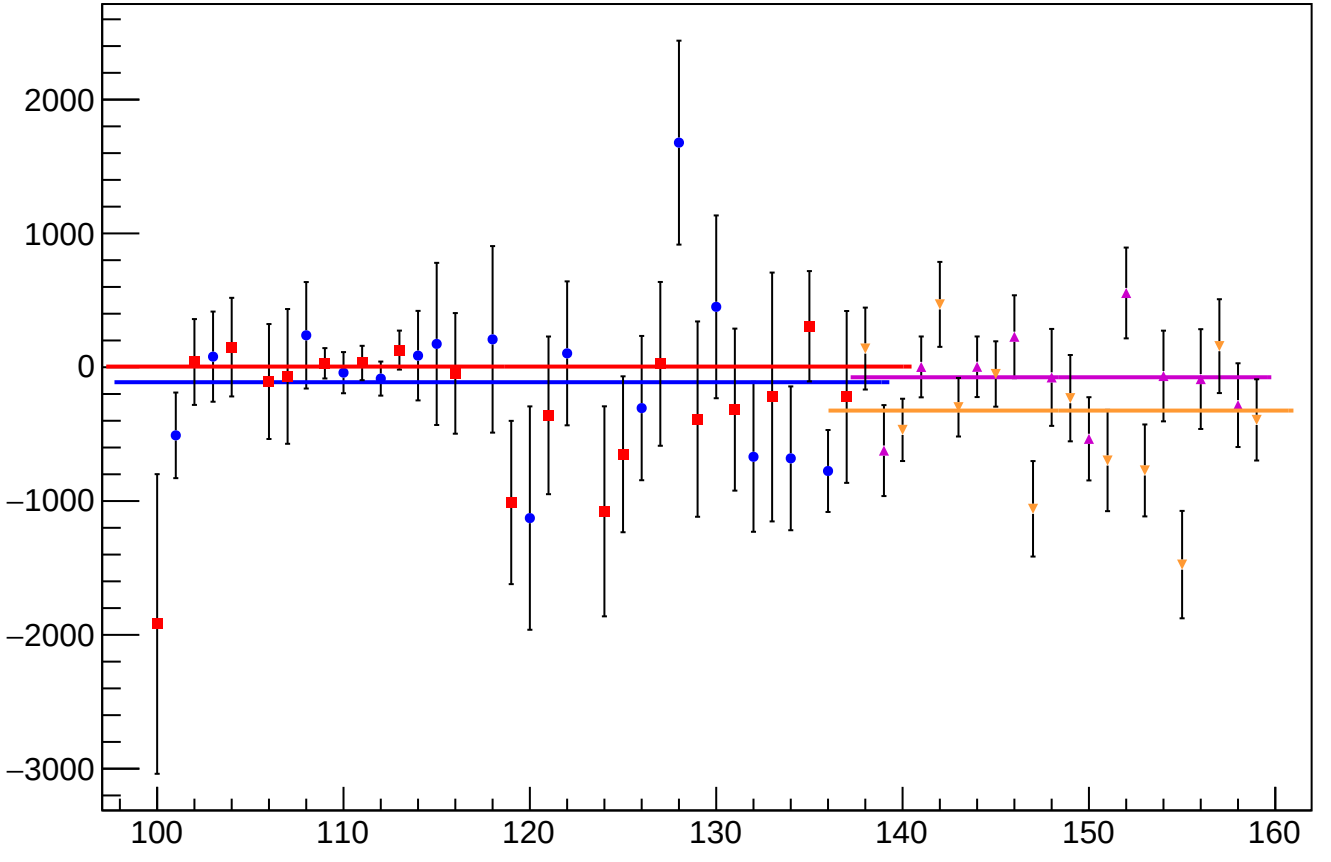
Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

+ sign 58.330+/-0.010 χ^2/NDF: 336037.6/27

All: 58.440+/-0.007 χ^2/NDF: 720688.6/56

- sign 58.556+/-0.010 χ^2/NDF: 384409.2/28

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

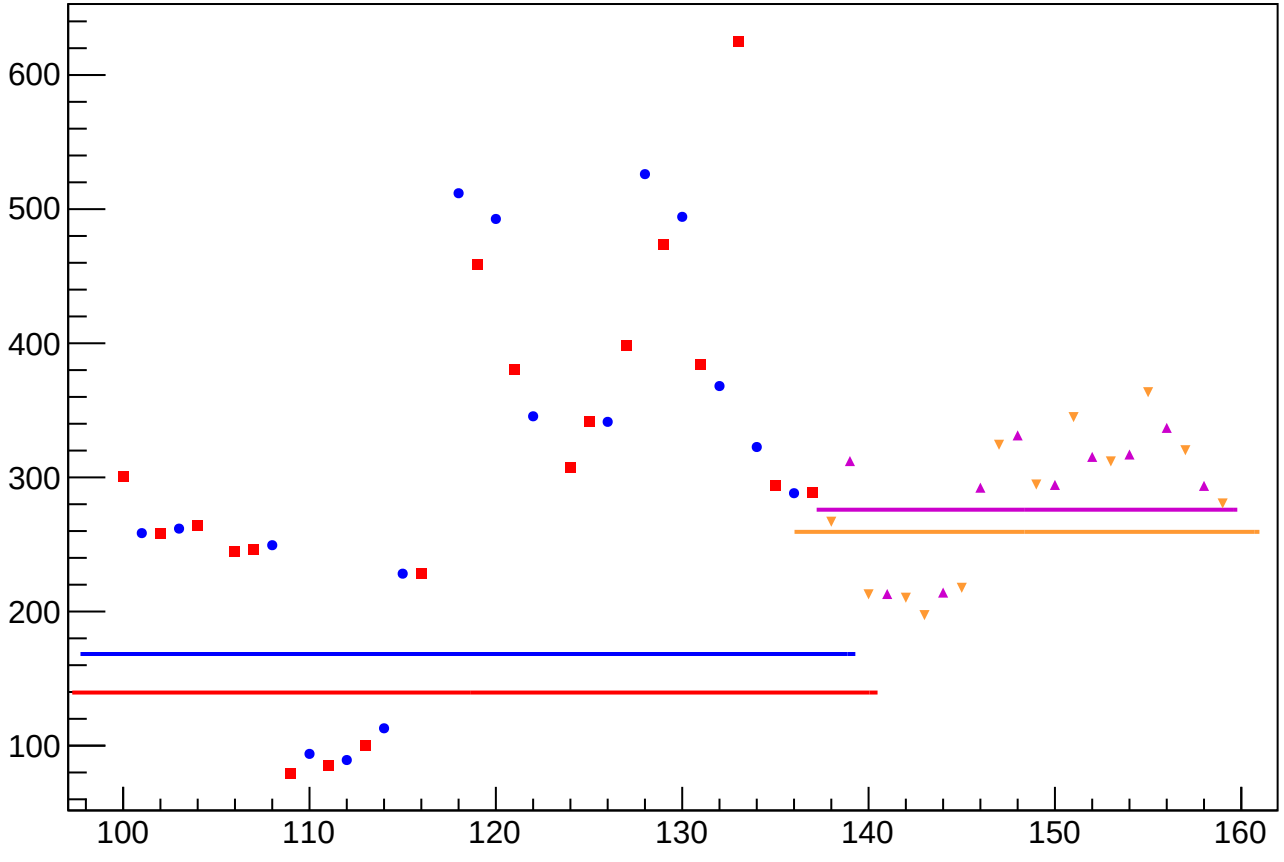
Left In: -74.931+/-95.053 χ^2/NDF:9.9/9

+ sign -204.974+/-57.076 χ^2/NDF: 49.2/27

All: -105.717+/-38.857 χ^2/NDF: 76.8/56

- sign -19.971+/-53.049 χ^2/NDF: 22.0/28

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

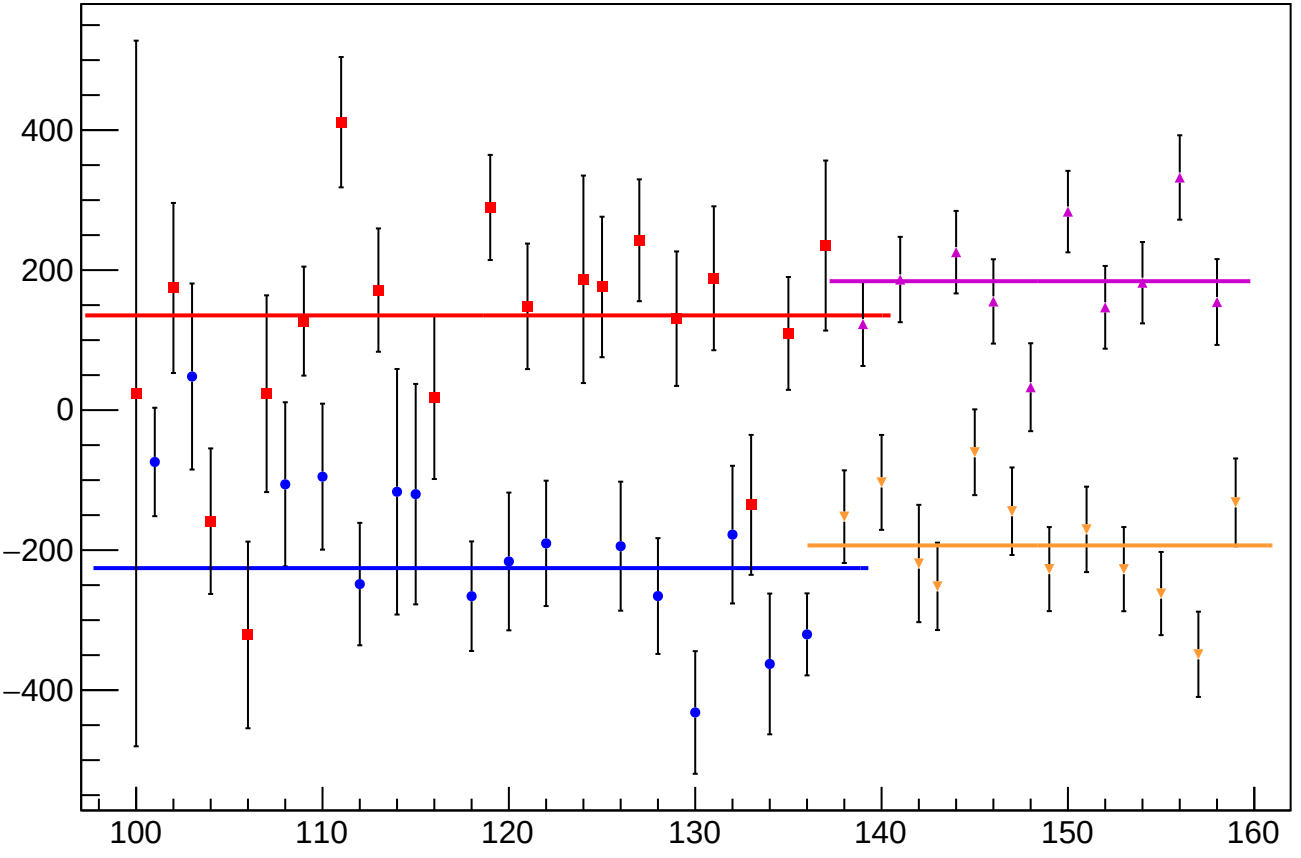
Left In: 275.912+/-0.067 χ^2/NDF:500332.0/9

+ sign 208.324+/-0.040 χ^2/NDF: 6590313.8/27

All: 194.230+/-0.027 χ^2/NDF: 15304329.5/56

- sign 182.054+/-0.038 χ^2/NDF: 8486713.1/28

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

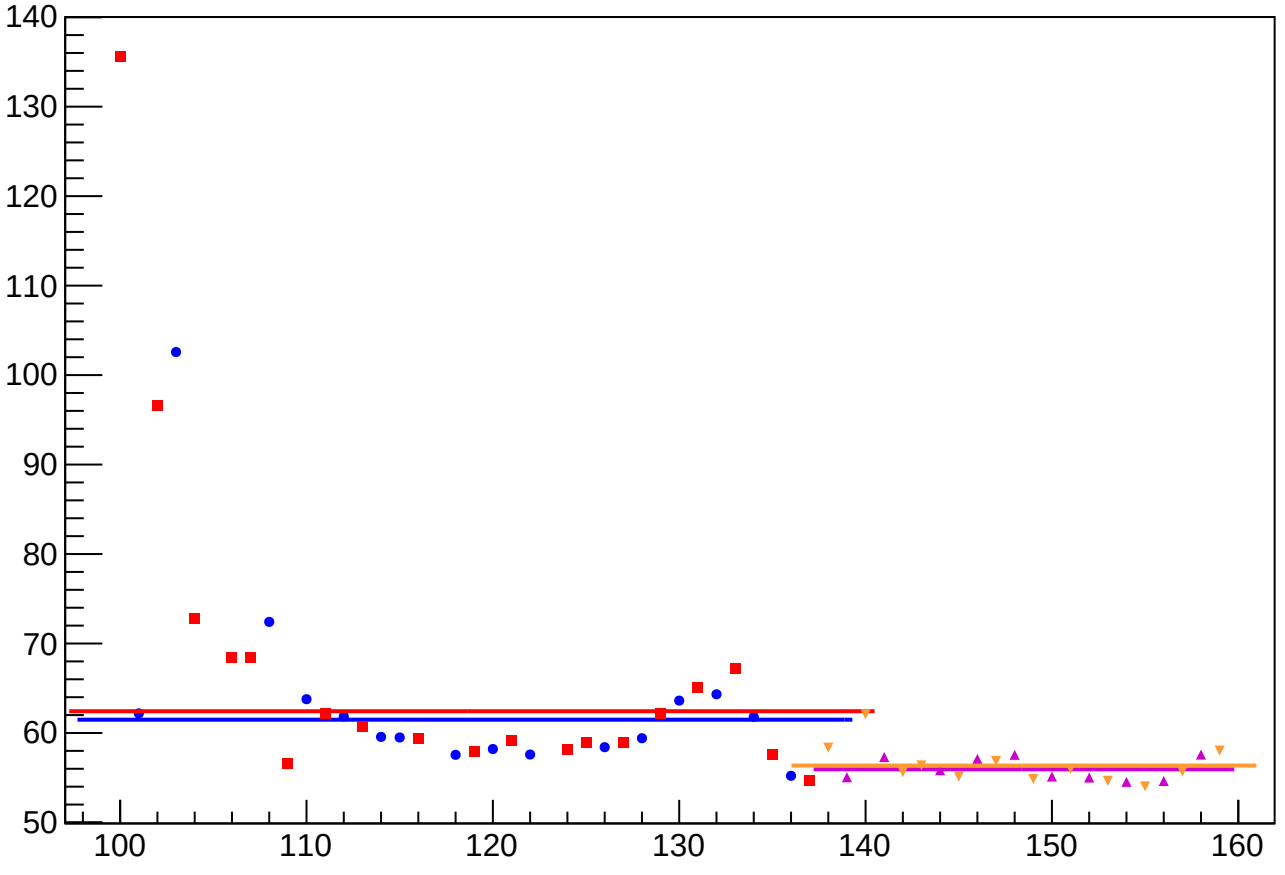
Left In: 184.174+/-18.954 χ^2/NDF:17.2/9

+ sign -205.752+/-14.332 χ^2/NDF: 41.9/27

All: -25.003+/-10.255 χ^2/NDF: 432.5/56

- sign 164.620+/-14.680 χ^2/NDF: 64.7/28

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

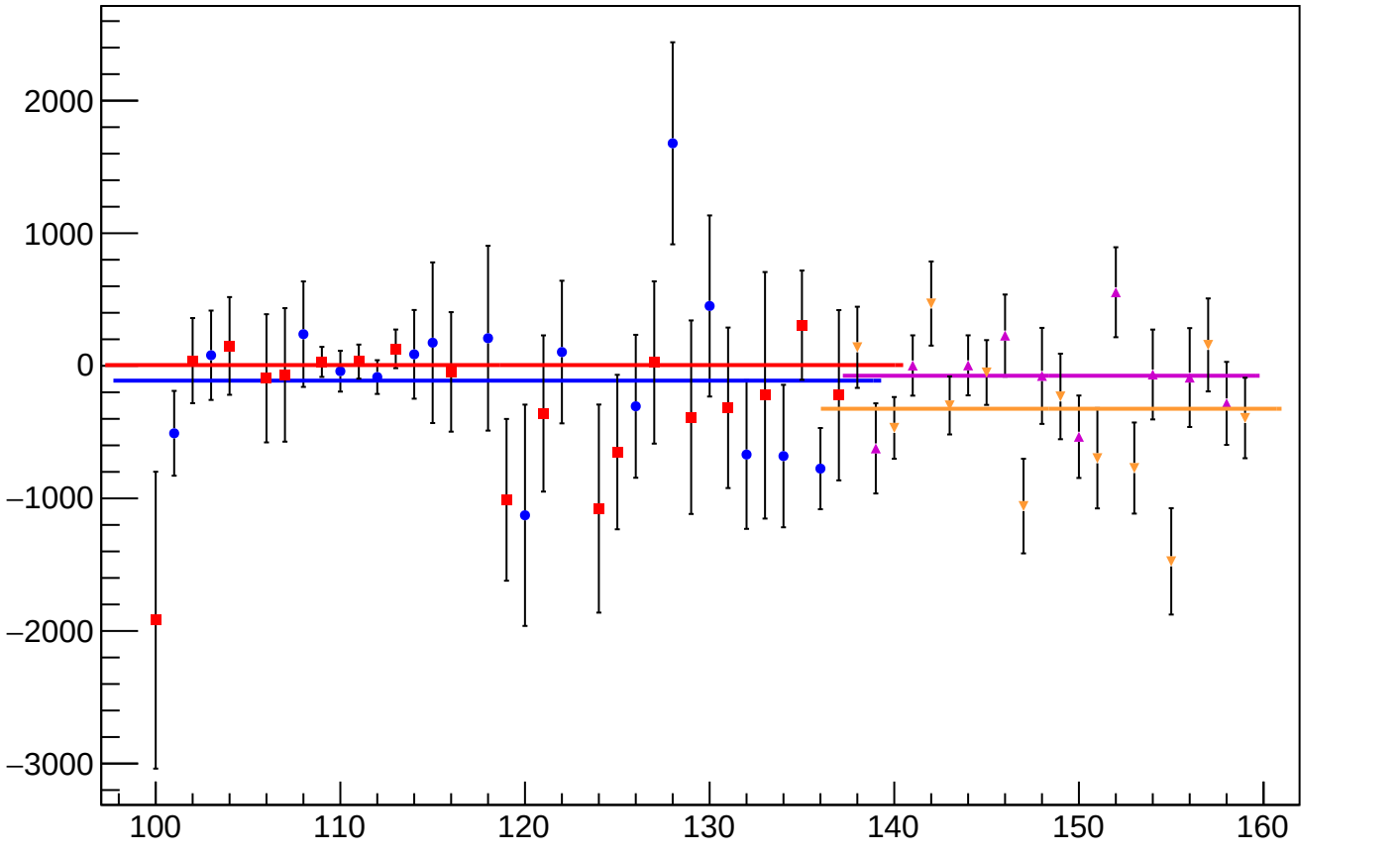
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

+ sign 58.330+/-0.010 χ^2/NDF: 336040.2/27

All: 58.431+/-0.007 χ^2/NDF: 717595.5/56

- sign 58.537+/-0.010 χ^2/NDF: 381352.7/28



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

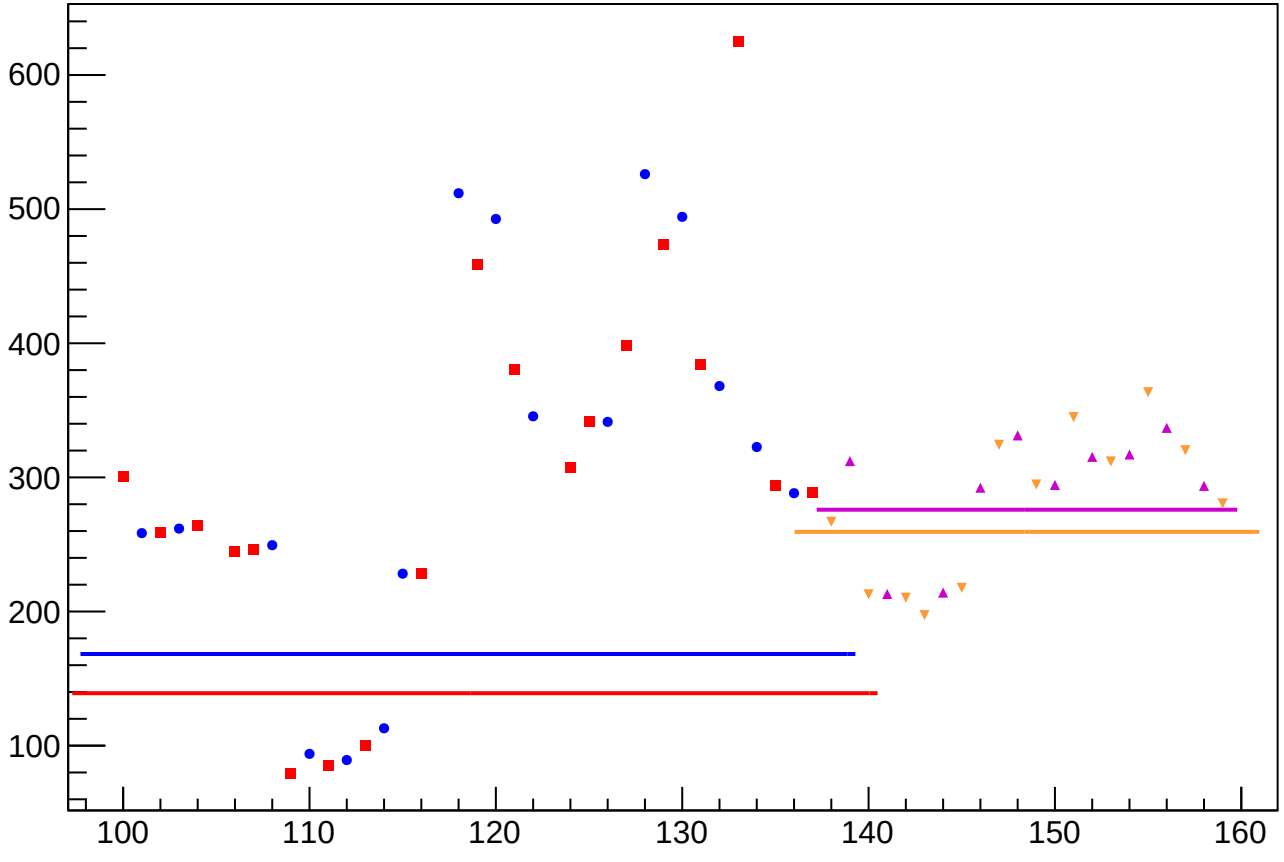
Left In: -74.928+/-95.053 χ^2/NDF:9.9/9

+ sign -204.964+/-57.076 χ^2/NDF: 49.2/27

All: -105.640+/-38.891 χ^2/NDF: 76.8/56

- sign -19.554+/-53.136 χ^2/NDF: 22.0/28

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

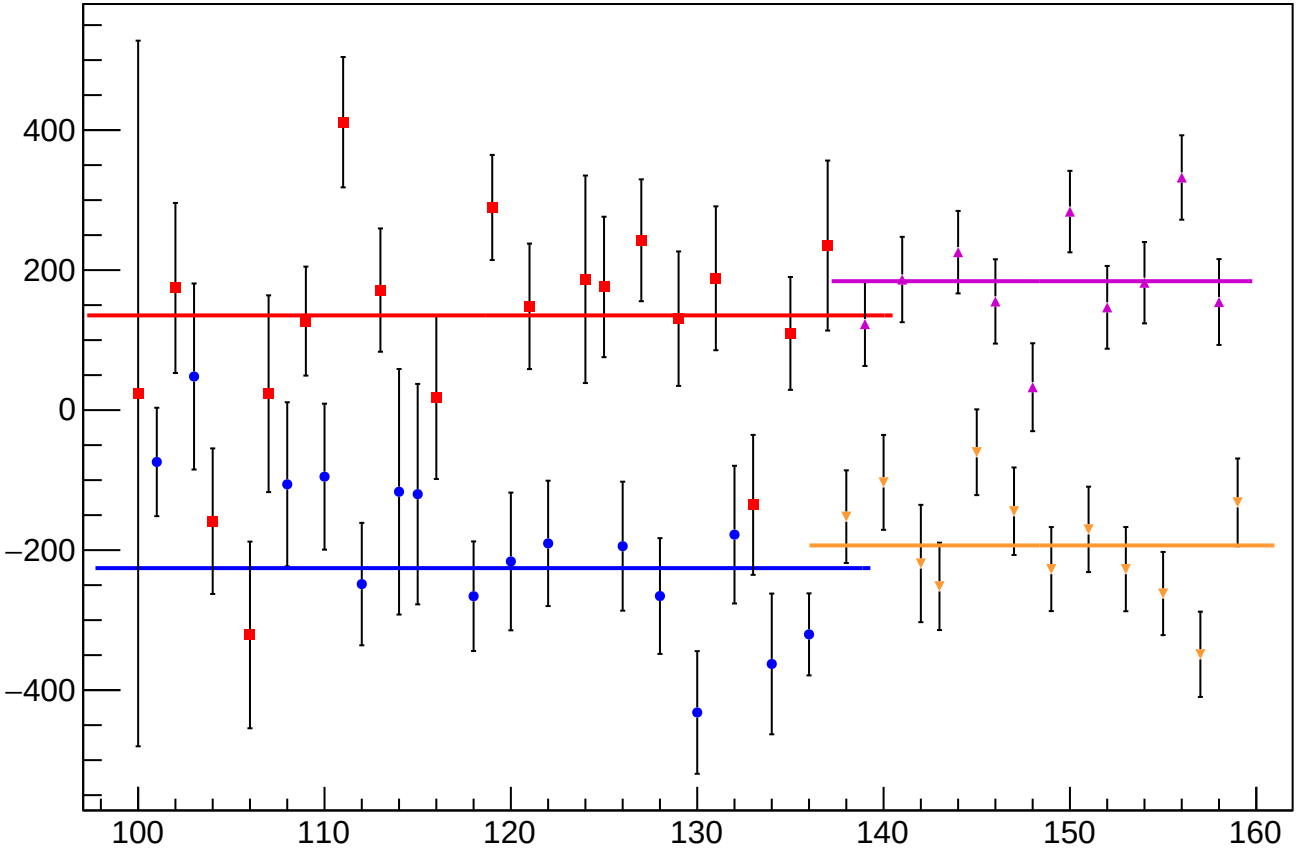
Left In: 275.912+/-0.067 χ^2/NDF:500331.3/9

+ sign 208.324+/-0.040 χ^2/NDF: 6590355.1/27

All: 194.146+/-0.028 χ^2/NDF: 15299425.6/56

- sign 181.857+/-0.038 χ^2/NDF: 8478692.0/28

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

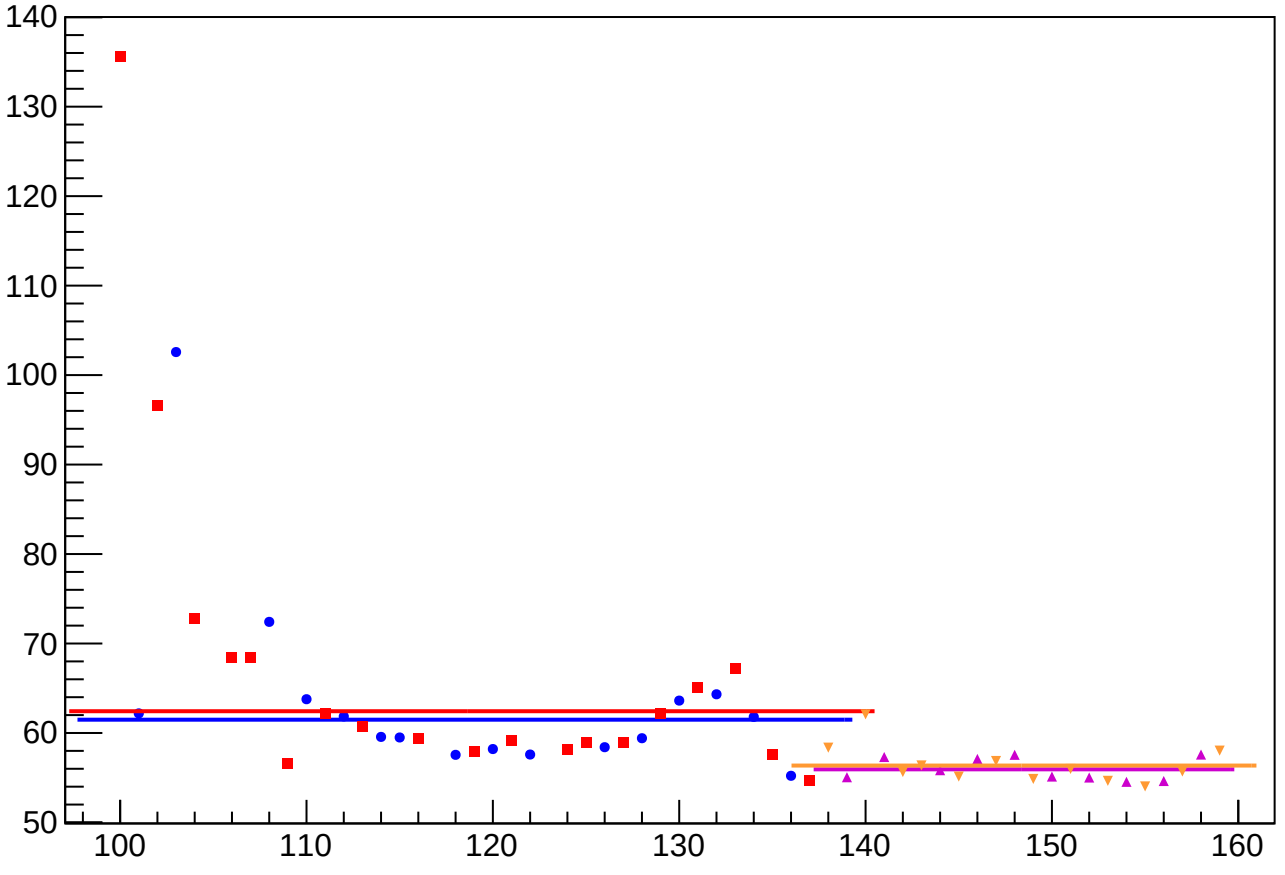
Left In: 184.174+/-18.954 χ^2/NDF:17.2/9

+ sign -205.752+/-14.332 χ^2/NDF: 41.9/27

All: -25.003+/-10.255 χ^2/NDF: 432.5/56

- sign 164.620+/-14.680 χ^2/NDF: 64.7/28

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

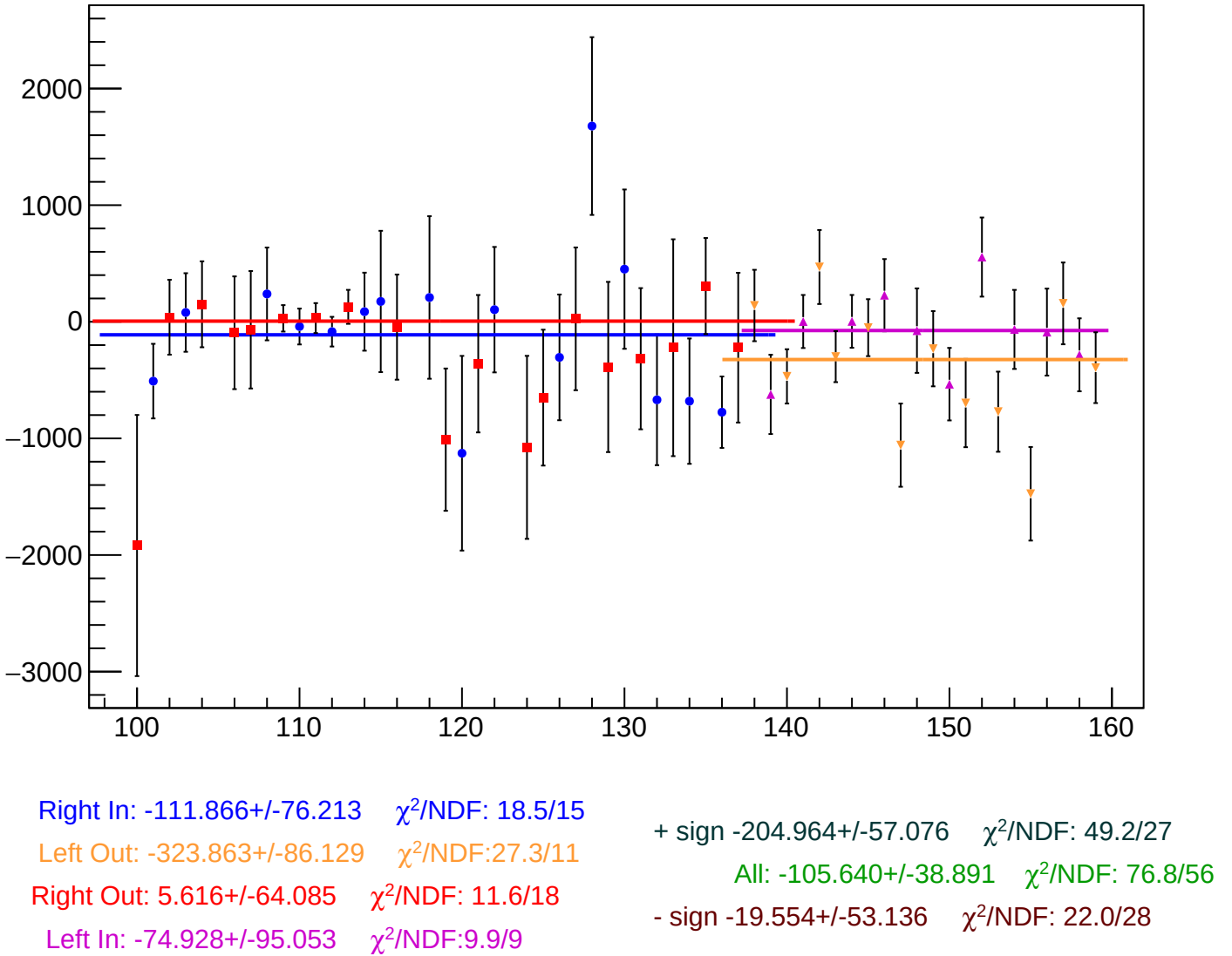
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.937+/-0.013 χ^2/NDF:7949.3/9

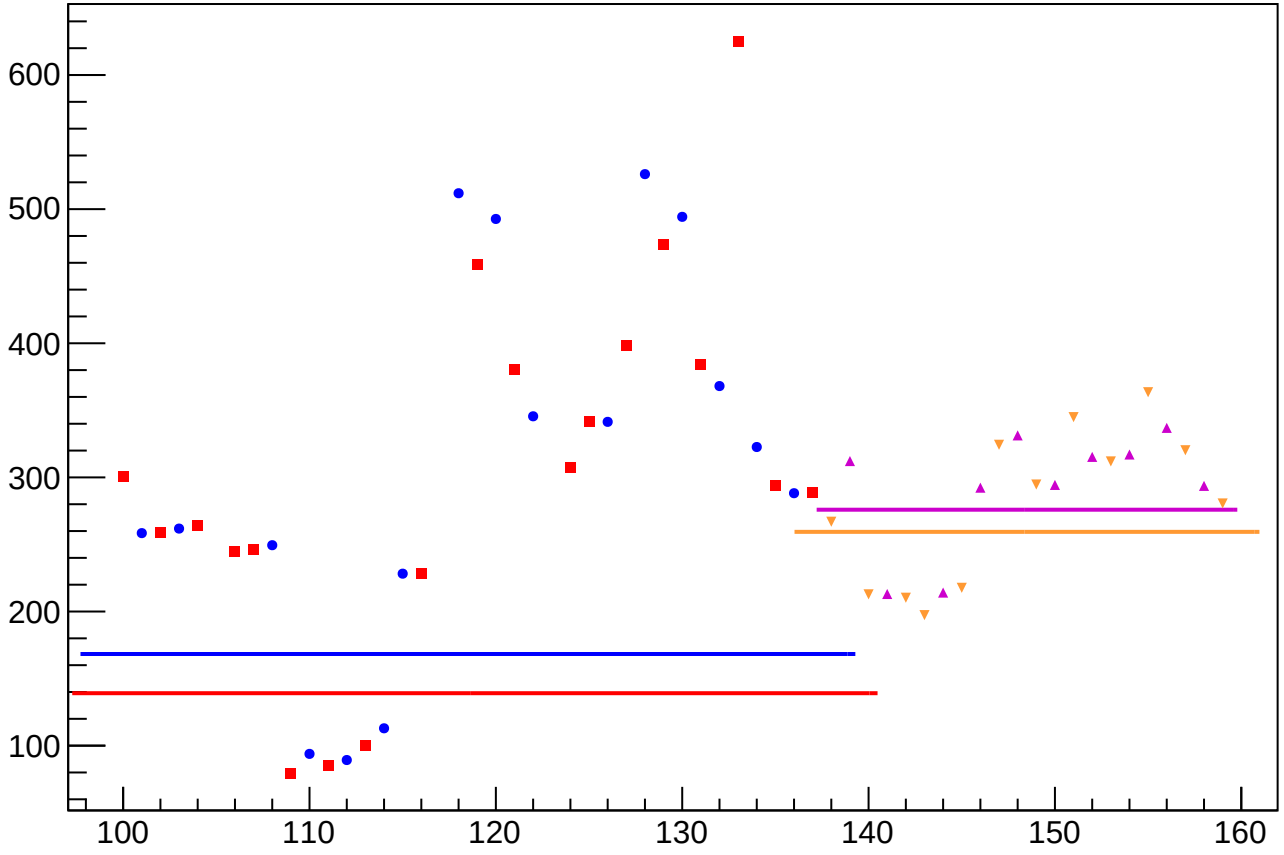
+ sign 58.330+/-0.010 χ^2/NDF: 336040.2/27

All: 58.431+/-0.007 χ^2/NDF: 717595.5/56

- sign 58.537+/-0.010 χ^2/NDF: 381352.7/28


asym_sam8_eigen_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -111.866+/-76.213 χ²/NDF: 18.5/15
Left Out: -323.863+/-86.129 χ²/NDF:27.3/11
Right Out: 5.616+/-64.085 χ²/NDF: 11.6/18
Left In: -74.928+/-95.053 χ²/NDF:9.9/9
+ sign -204.964+/-57.076 χ²/NDF: 49.2/27
All: -105.640+/-38.891 χ²/NDF: 76.8/56
- sign -19.554+/-53.136 χ²/NDF: 22.0/28

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

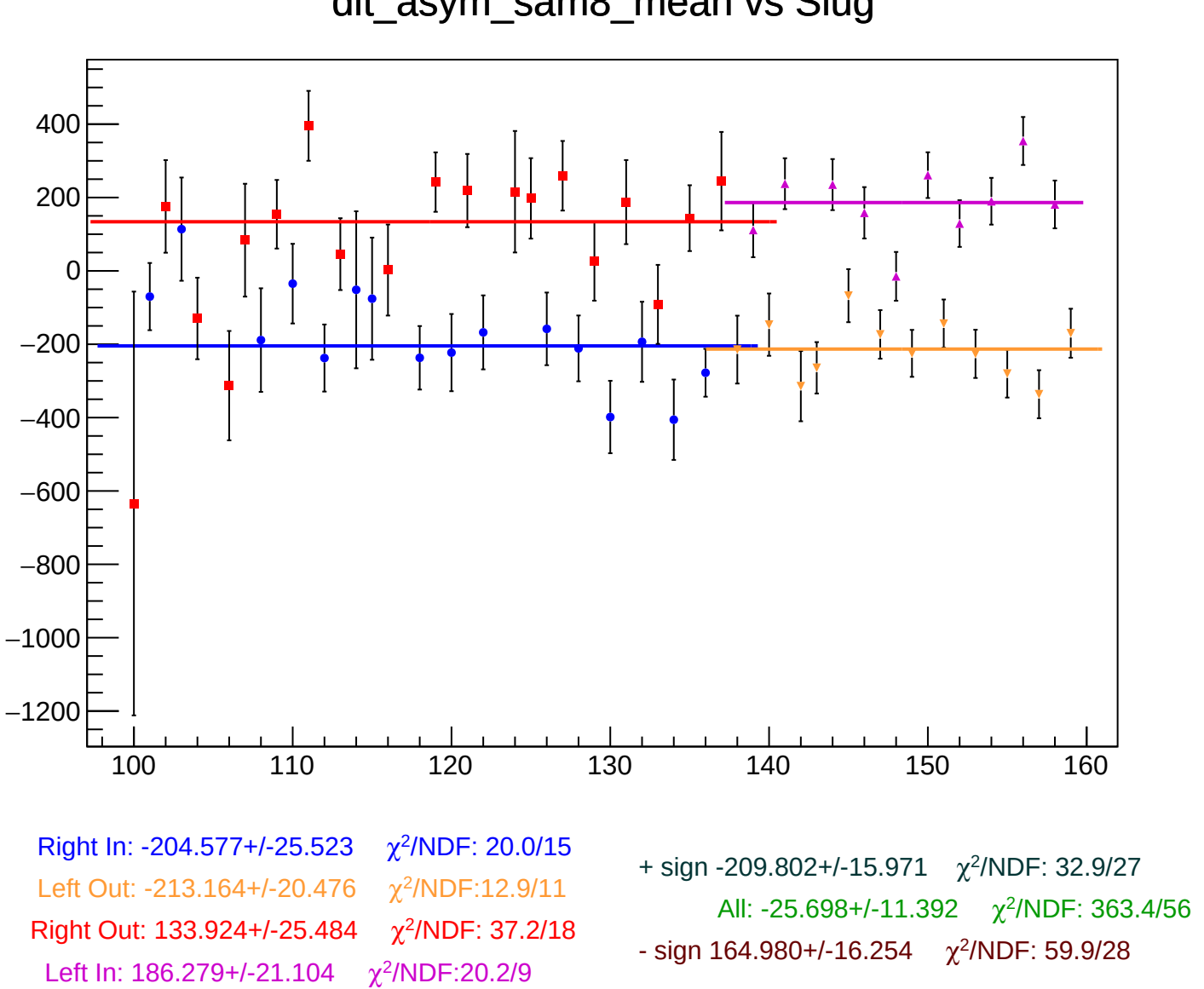
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 275.912+/-0.067 χ^2/NDF:500331.3/9

+ sign 208.324+/-0.040 χ^2/NDF: 6590355.1/27

All: 194.146+/-0.028 χ^2/NDF: 15299425.6/56

- sign 181.857+/-0.038 χ^2/NDF: 8478692.0/28



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.164+/-20.476 χ^2/NDF:12.9/11

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

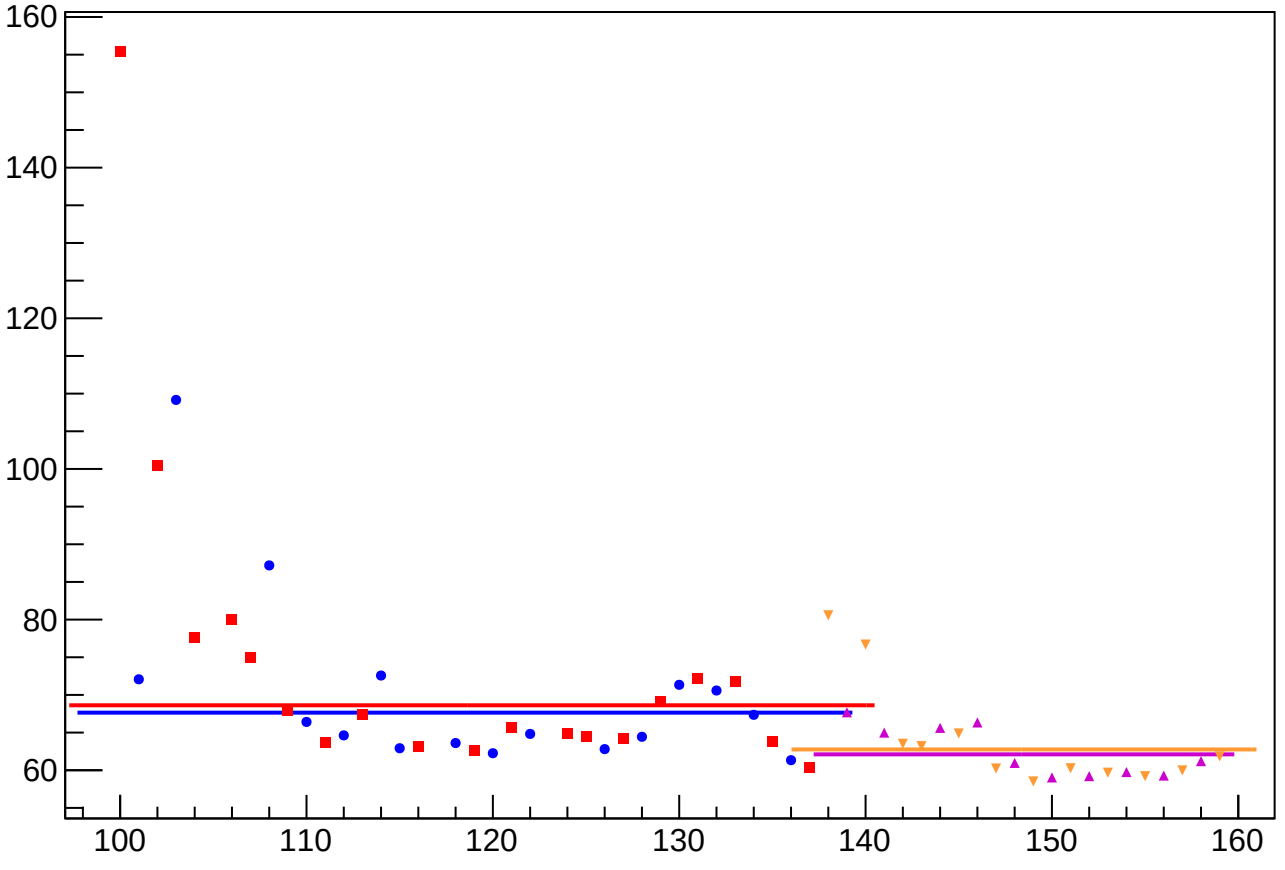
Left In: 186.279+/-21.104 χ^2/NDF:20.2/9

+ sign -209.802+/-15.971 χ^2/NDF: 32.9/27

All: -25.698+/-11.392 χ^2/NDF: 363.4/56

- sign 164.980+/-16.254 χ^2/NDF: 59.9/28

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

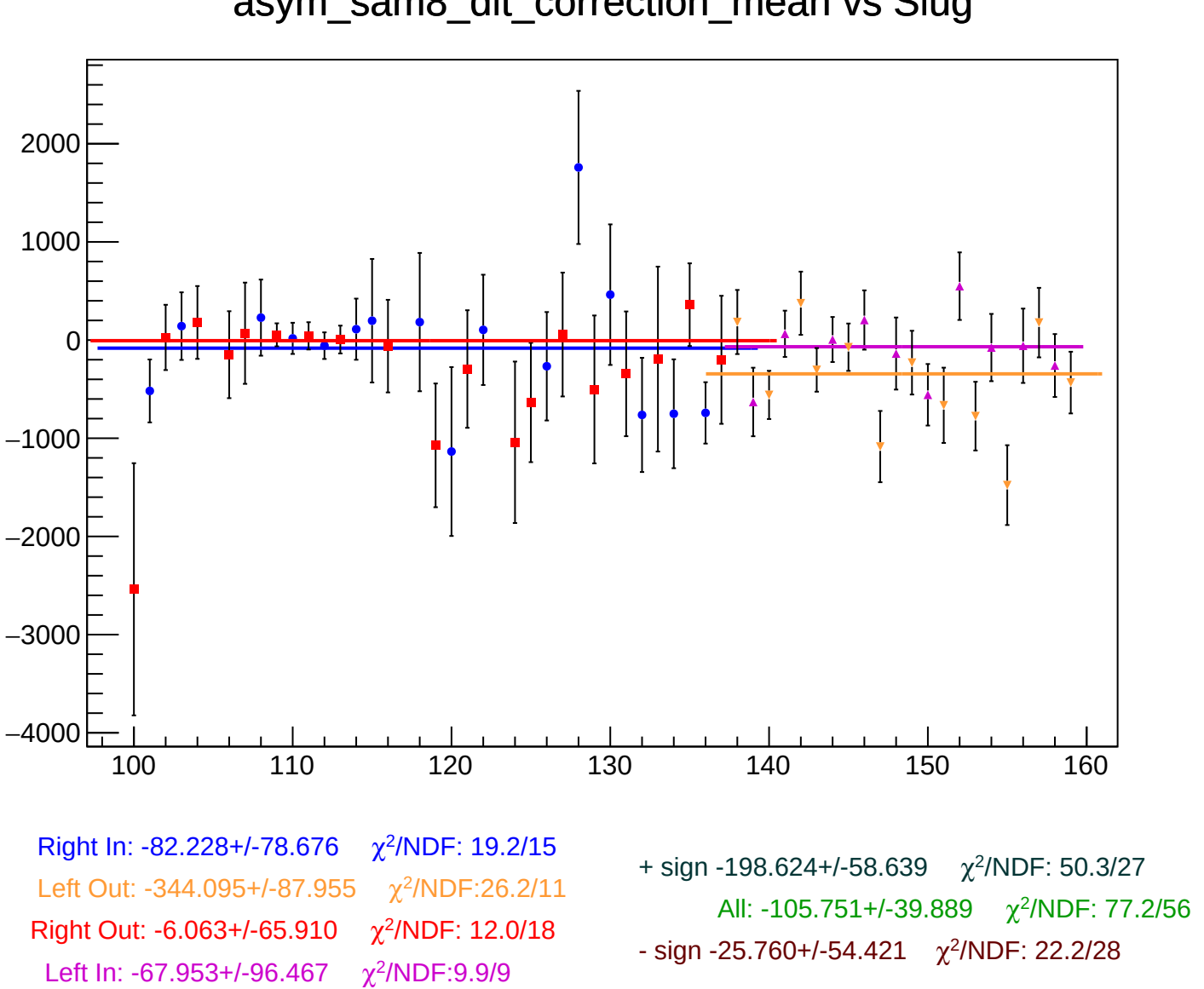
Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 62.110+/-0.015 χ^2/NDF:43567.9/9

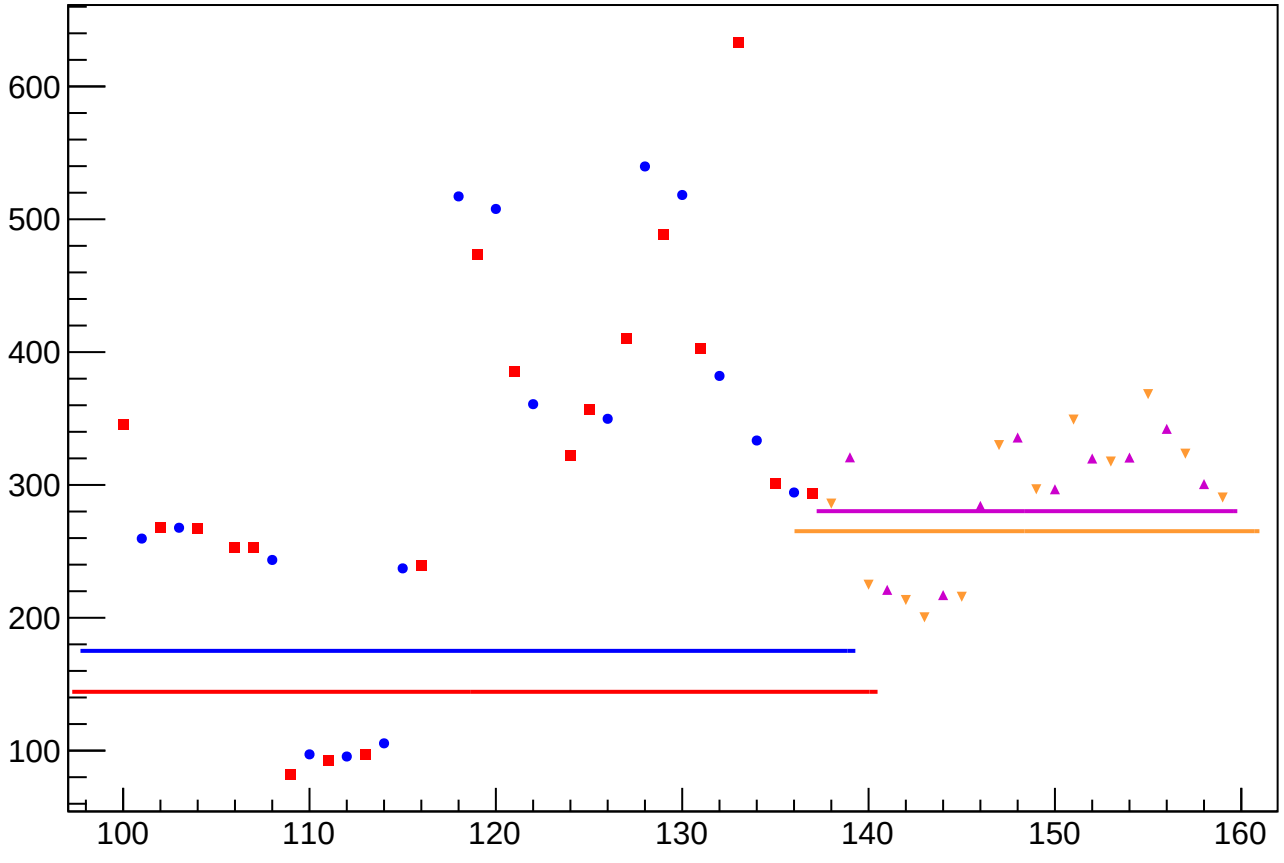
+ sign 64.674+/-0.011 χ^2/NDF: 466990.6/27

All: 64.716+/-0.008 χ^2/NDF: 836268.3/56

- sign 64.760+/-0.011 χ^2/NDF: 369249.1/28


asym_sam8_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
100
110
120
130
140
150
160
Right In: -82.228+/-78.676 χ²/NDF: 19.2/15
Left Out: -344.095+/-87.955 χ²/NDF:26.2/11
Right Out: -6.063+/-65.910 χ²/NDF: 12.0/18
Left In: -67.953+/-96.467 χ²/NDF:9.9/9
+ sign -198.624+/-58.639 χ²/NDF: 50.3/27
All: -105.751+/-39.889 χ²/NDF: 77.2/56
- sign -25.760+/-54.421 χ²/NDF: 22.2/28

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

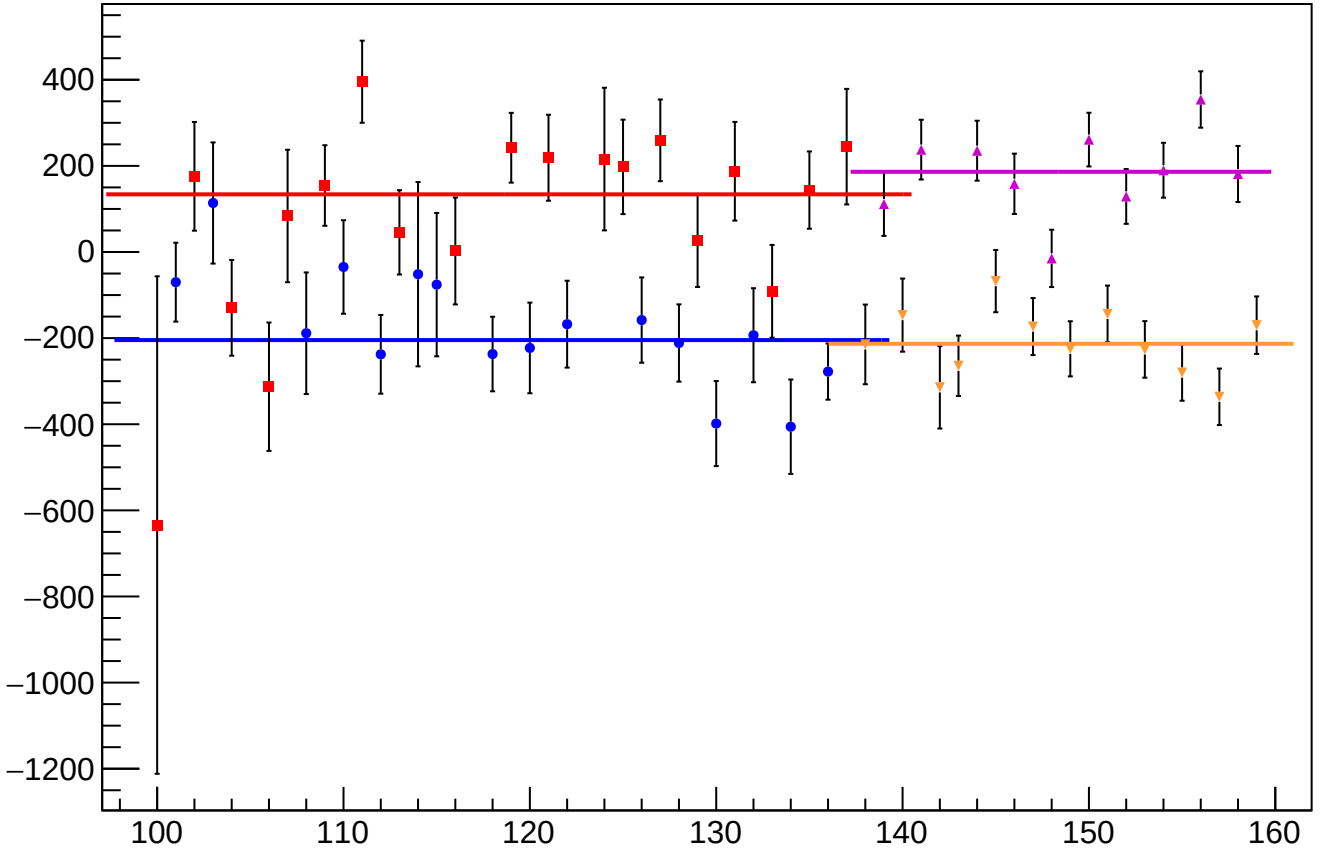
Left In: 280.265+/-0.068 χ^2/NDF:472333.3/9

+ sign 215.145+/-0.041 χ^2/NDF: 6382515.5/27

All: 200.322+/-0.028 χ^2/NDF: 14934739.1/56

- sign 187.555+/-0.038 χ^2/NDF: 8314359.5/28

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.163+/-20.476 χ^2/NDF:12.9/11

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

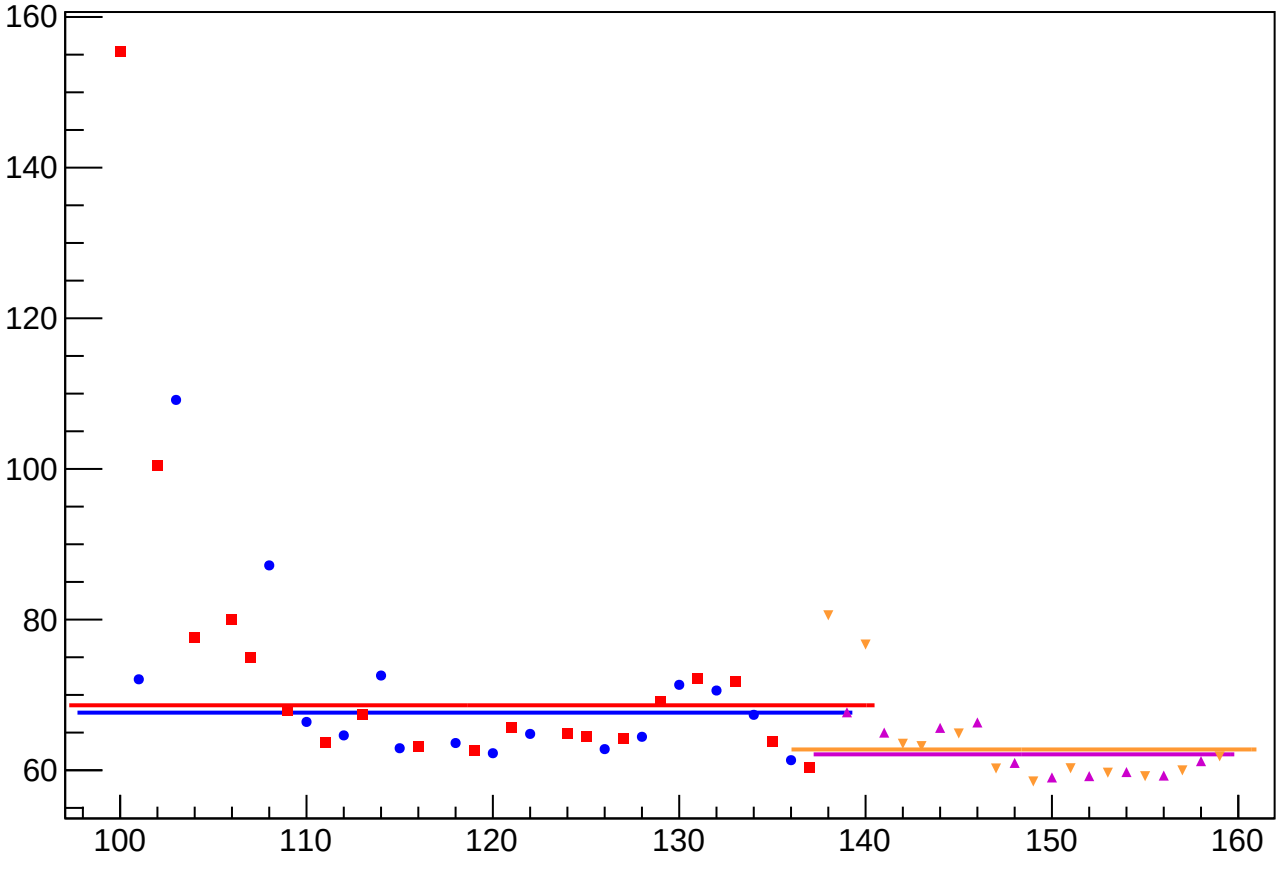
Left In: 186.279+/-21.104 χ^2/NDF:20.2/9

+ sign -209.801+/-15.971 χ^2/NDF: 32.9/27

All: -25.697+/-11.392 χ^2/NDF: 363.4/56

- sign 164.980+/-16.254 χ^2/NDF: 59.9/28

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

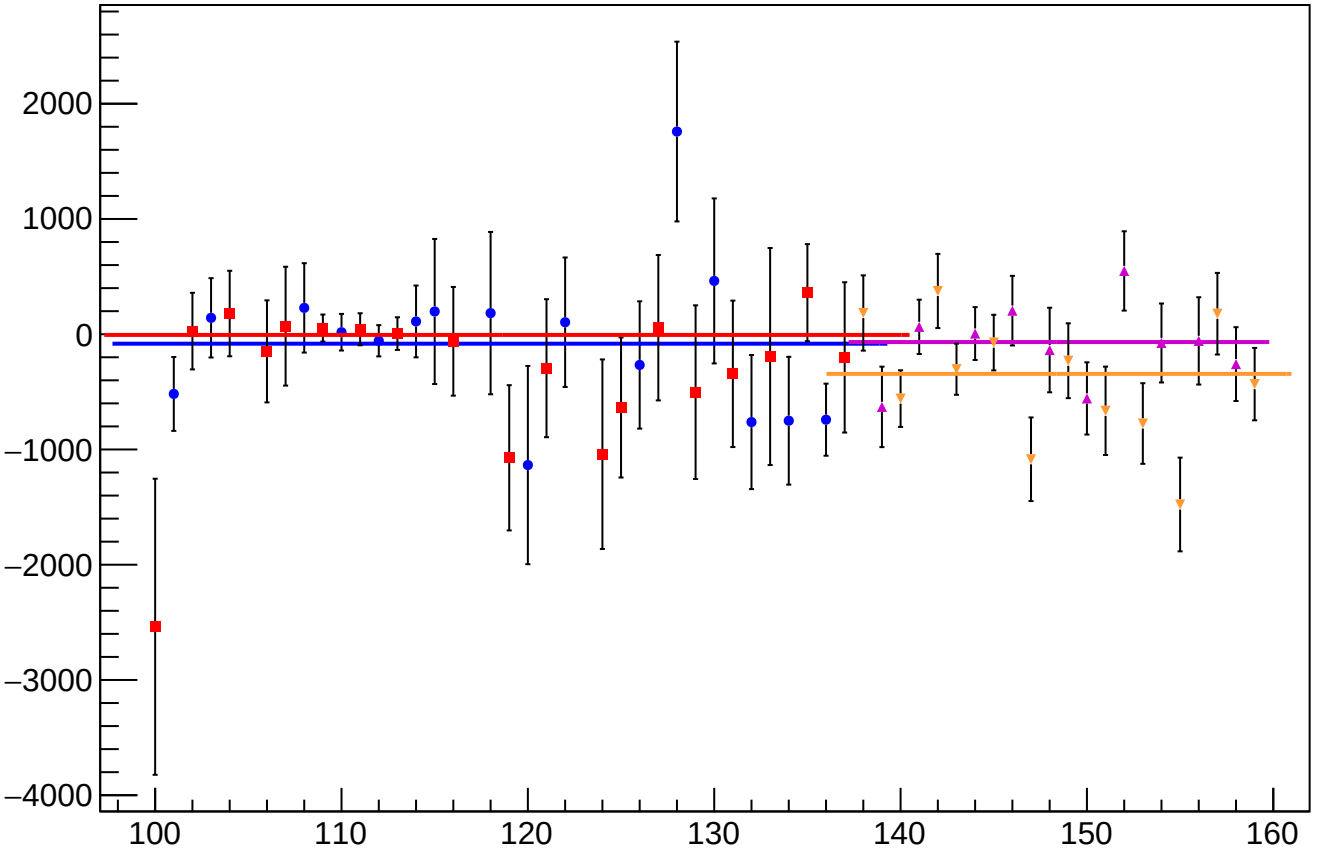
Left In: 62.110+/-0.015 χ^2/NDF:43568.6/9

+ sign 64.674+/-0.011 χ^2/NDF: 466984.6/27

All: 64.716+/-0.008 χ^2/NDF: 836258.2/56

- sign 64.760+/-0.011 χ^2/NDF: 369245.0/28

asym_sam8_eigen_dit_correction_mean vs Slug



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

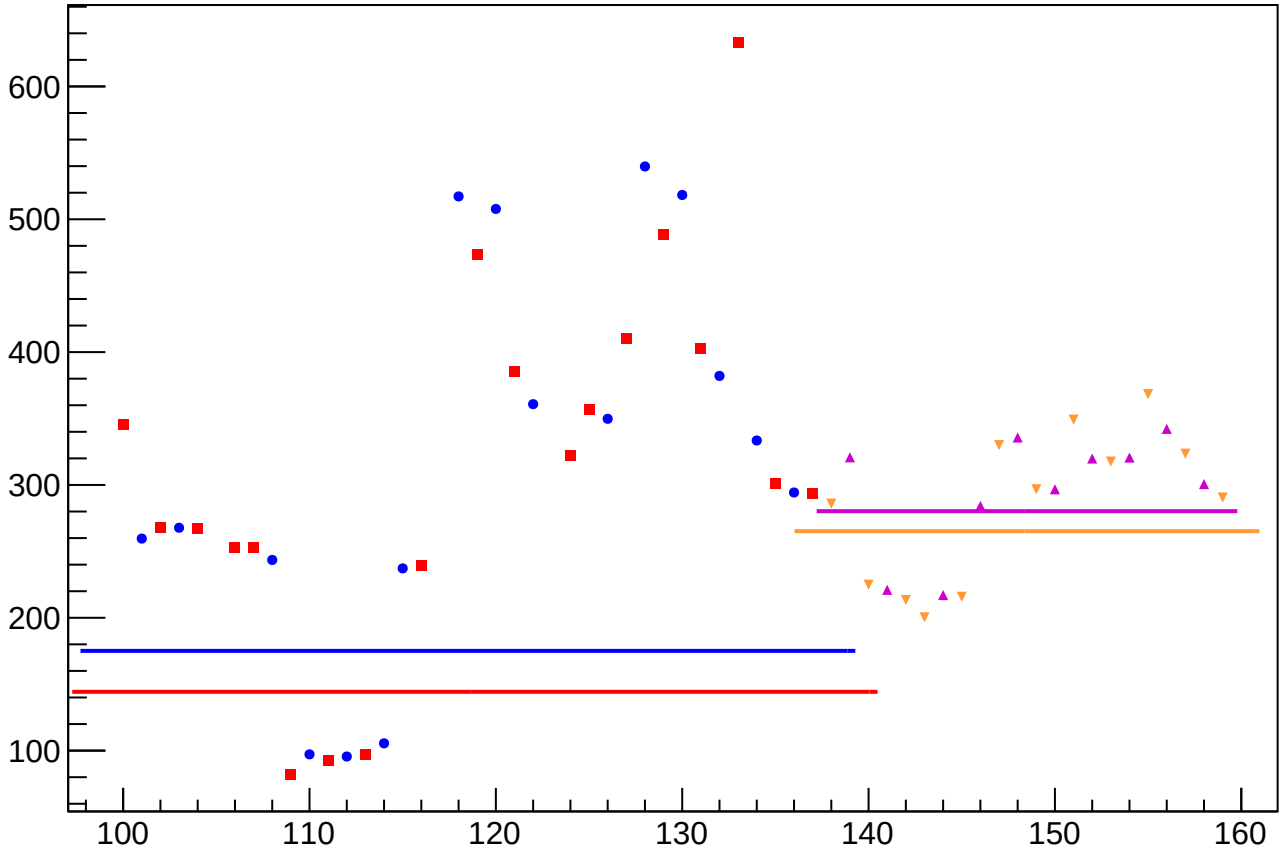
Left In: -67.953+/-96.467 χ^2/NDF:9.9/9

+ sign -198.622+/-58.639 χ^2/NDF: 50.3/27

All: -105.750+/-39.889 χ^2/NDF: 77.2/56

- sign -25.759+/-54.421 χ^2/NDF: 22.2/28

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

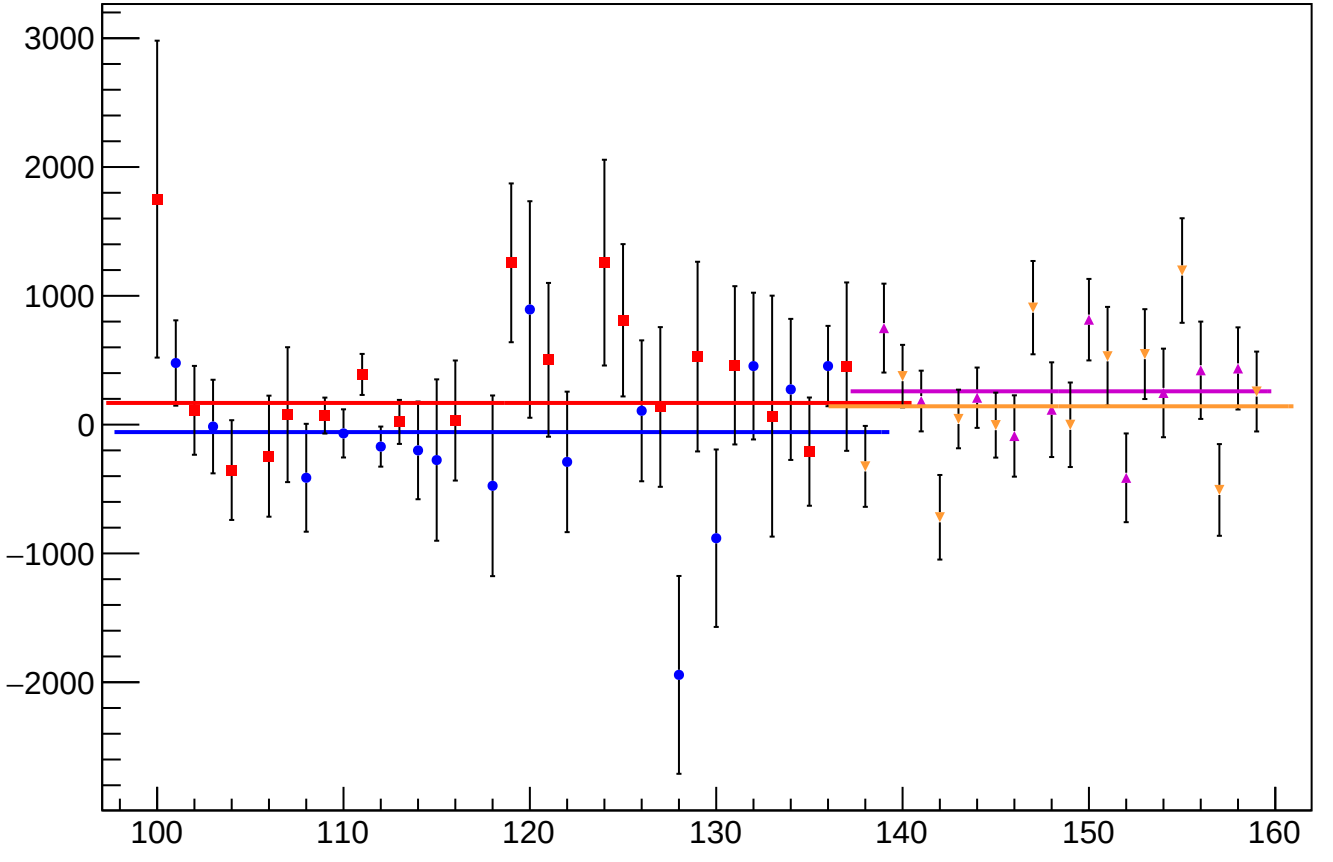
Left In: 280.264+/-0.068 χ^2/NDF:472334.3/9

+ sign 215.143+/-0.041 χ^2/NDF: 6382564.8/27

All: 200.321+/-0.028 χ^2/NDF: 14934747.9/56

- sign 187.555+/-0.038 χ^2/NDF: 8314332.3/28

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

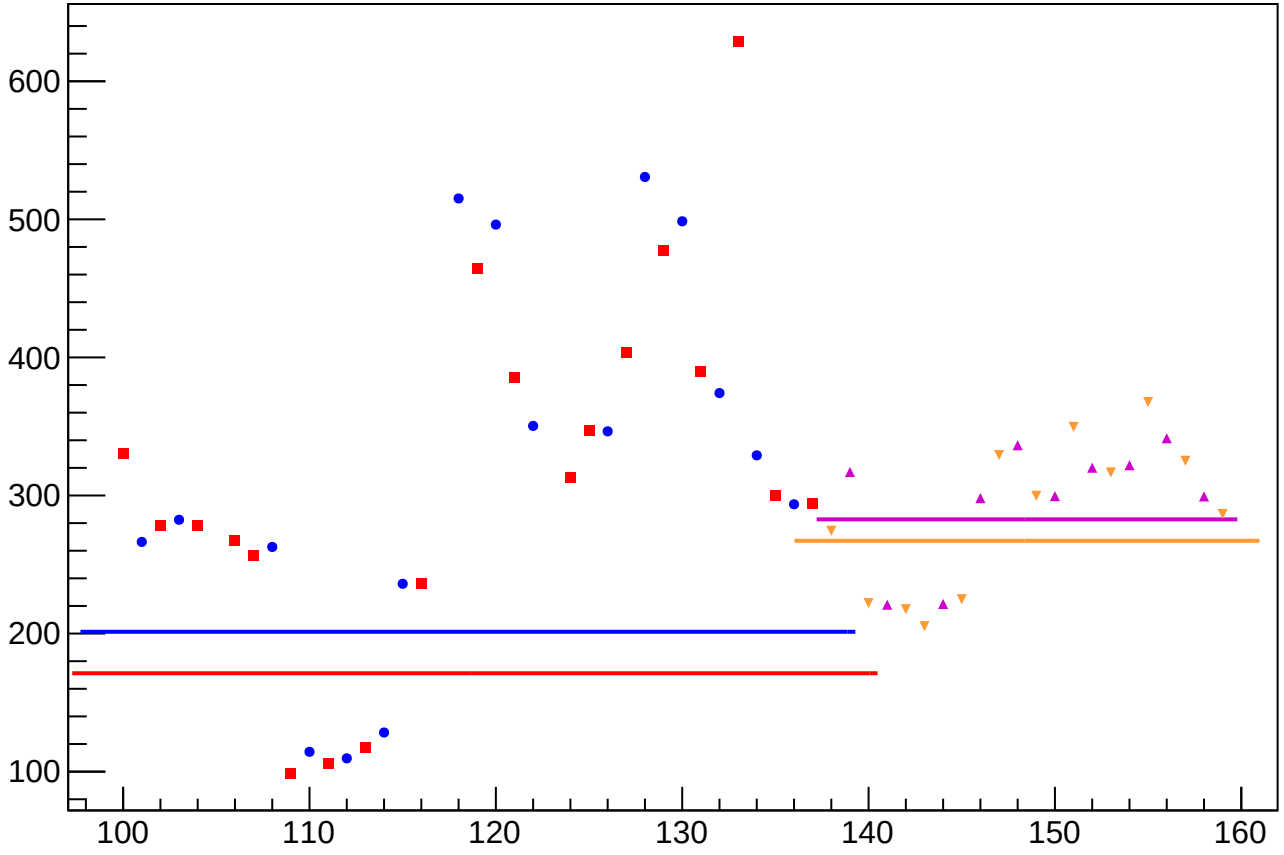
Left In: 258.644+/-97.235 χ^2/NDF:10.9/9

\+ sign 40.346+/-62.003 χ^2/NDF: 47.8/27

All: 124.816+/-42.812 χ^2/NDF: 78.3/56

\- sign 201.786+/-59.186 χ^2/NDF: 27.0/28

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

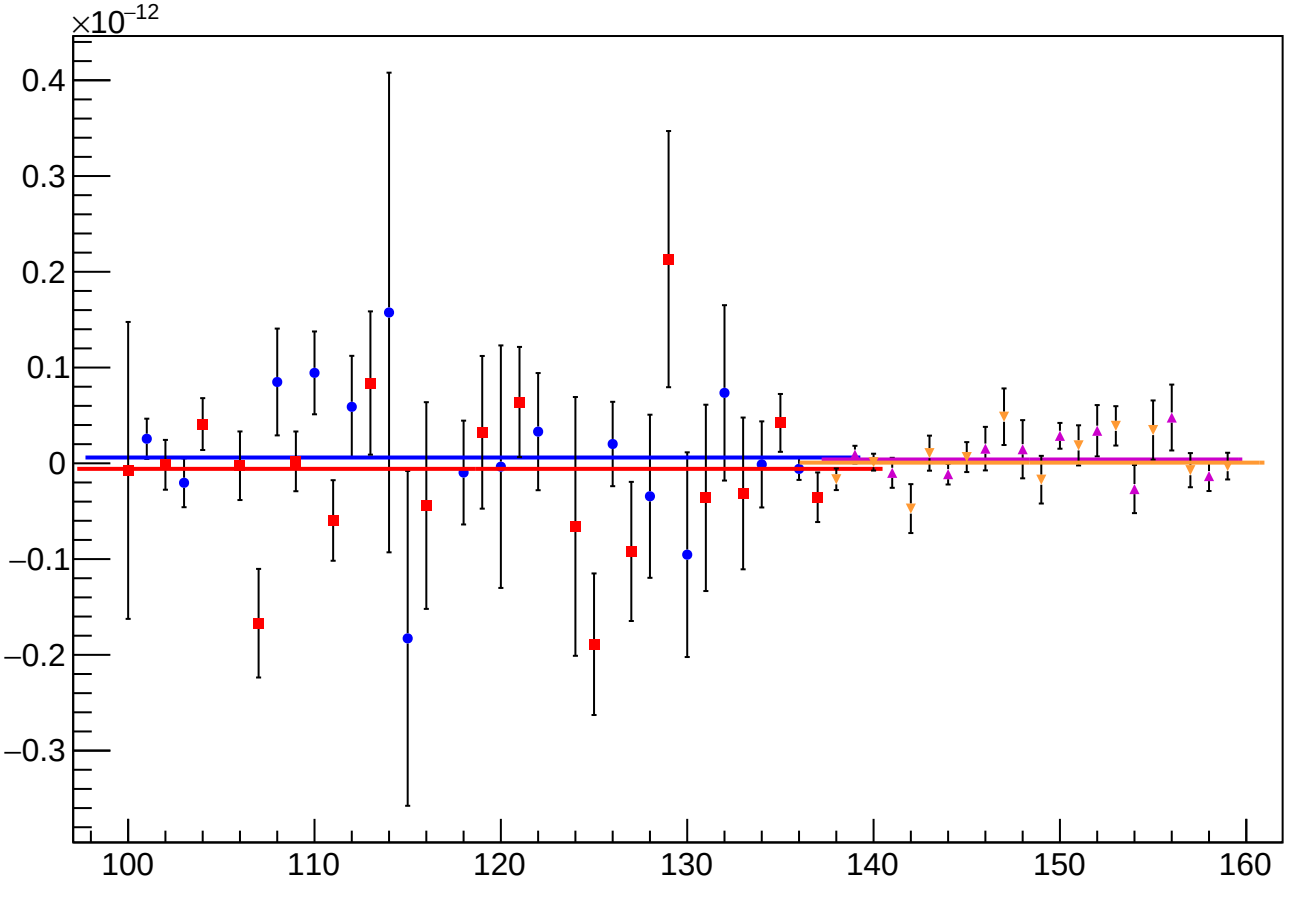
Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 282.716+/-0.069 χ^2/NDF:450386.0/9

+ sign 233.649+/-0.044 χ^2/NDF: 4851610.6/27

All: 222.609+/-0.030 χ^2/NDF: 11270151.9/56

- sign 212.550+/-0.042 χ^2/NDF: 6297360.2/28



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/11

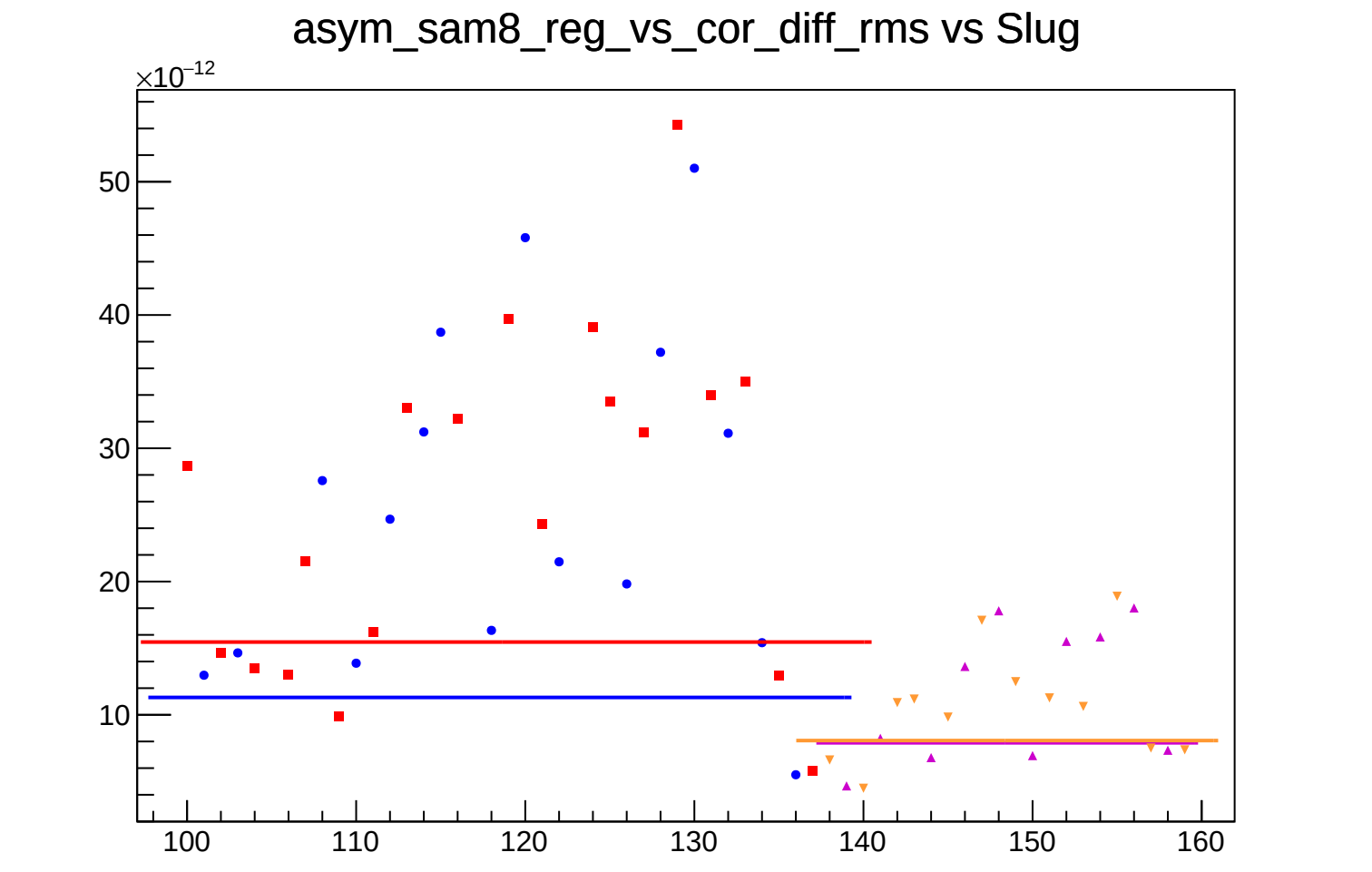
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/9

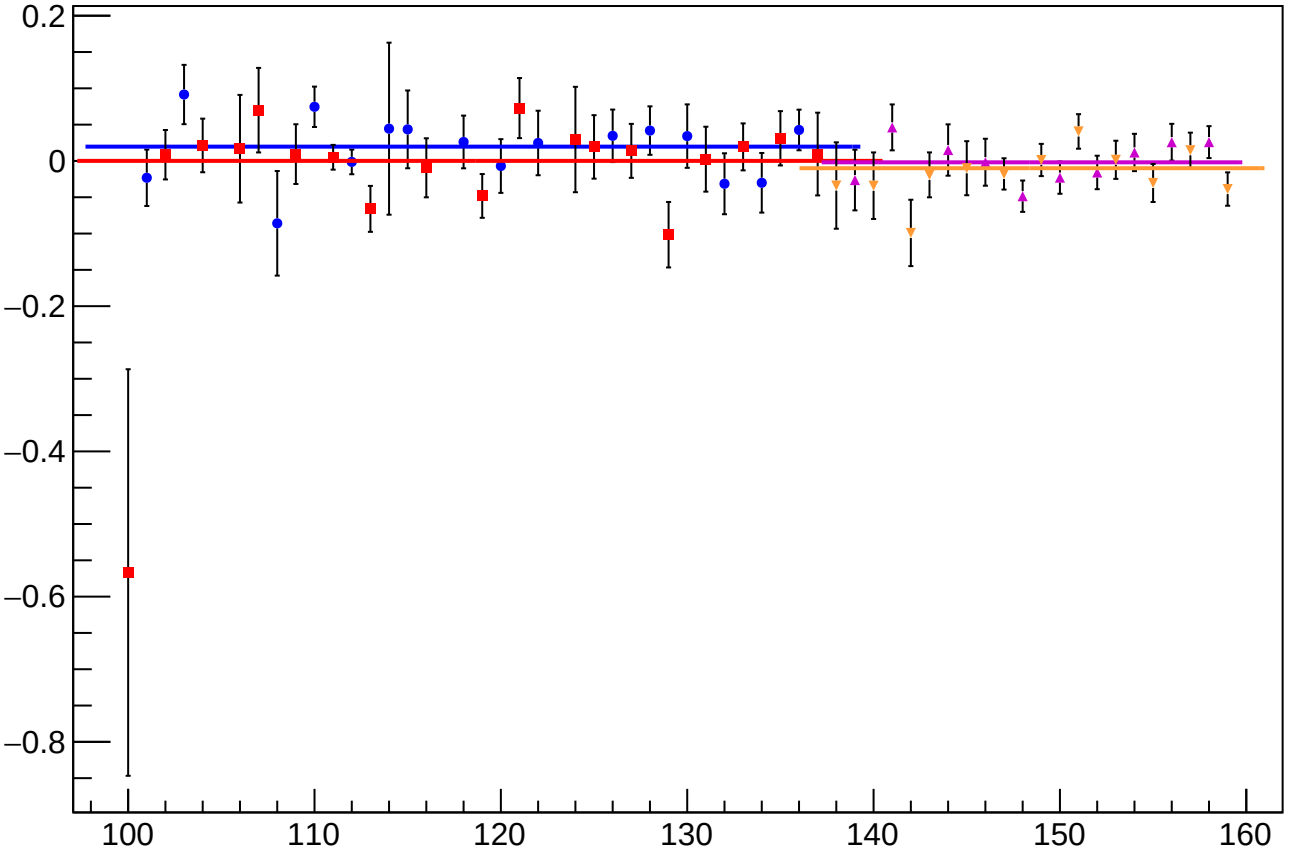
+ sign 0.000+/-0.000 χ^2/NDF: 29.3/27

All: 0.000+/-0.000 χ^2/NDF: 73.0/56

- sign 0.000+/-0.000 χ^2/NDF: 43.7/28


asym_sam8_reg_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: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1052211.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1153558.1/9
+ sign 0.000+/-0.000 χ²/NDF: 3073772.7/27
All: 0.000+/-0.000 χ²/NDF: 6573536.7/56
- sign 0.000+/-0.000 χ²/NDF: 3486340.4/28

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

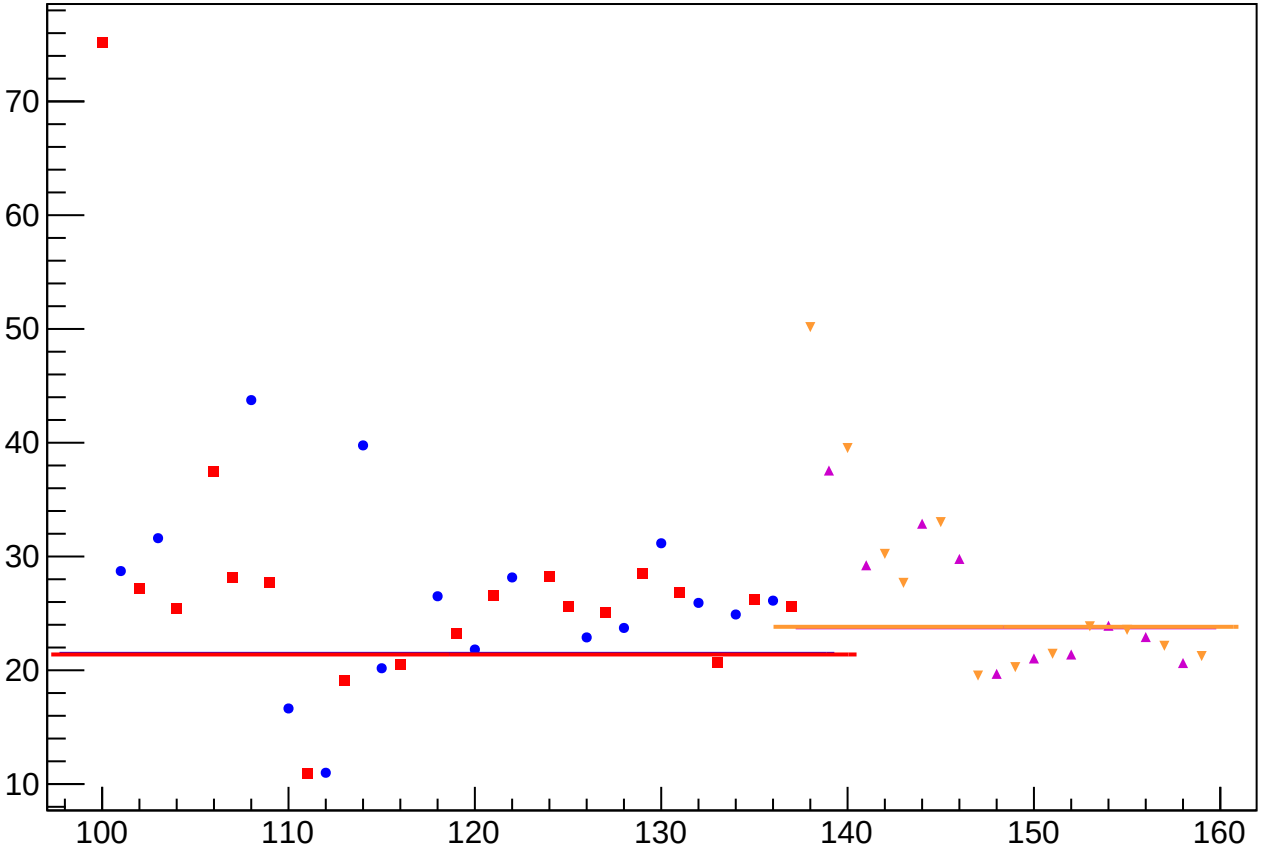
Left In: -0.002+/-0.008 χ^2/NDF:11.9/9

+ sign 0.004+/-0.006 χ^2/NDF: 36.0/27

All: 0.001+/-0.004 χ^2/NDF: 71.1/56

- sign -0.001+/-0.006 χ^2/NDF: 34.8/28

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

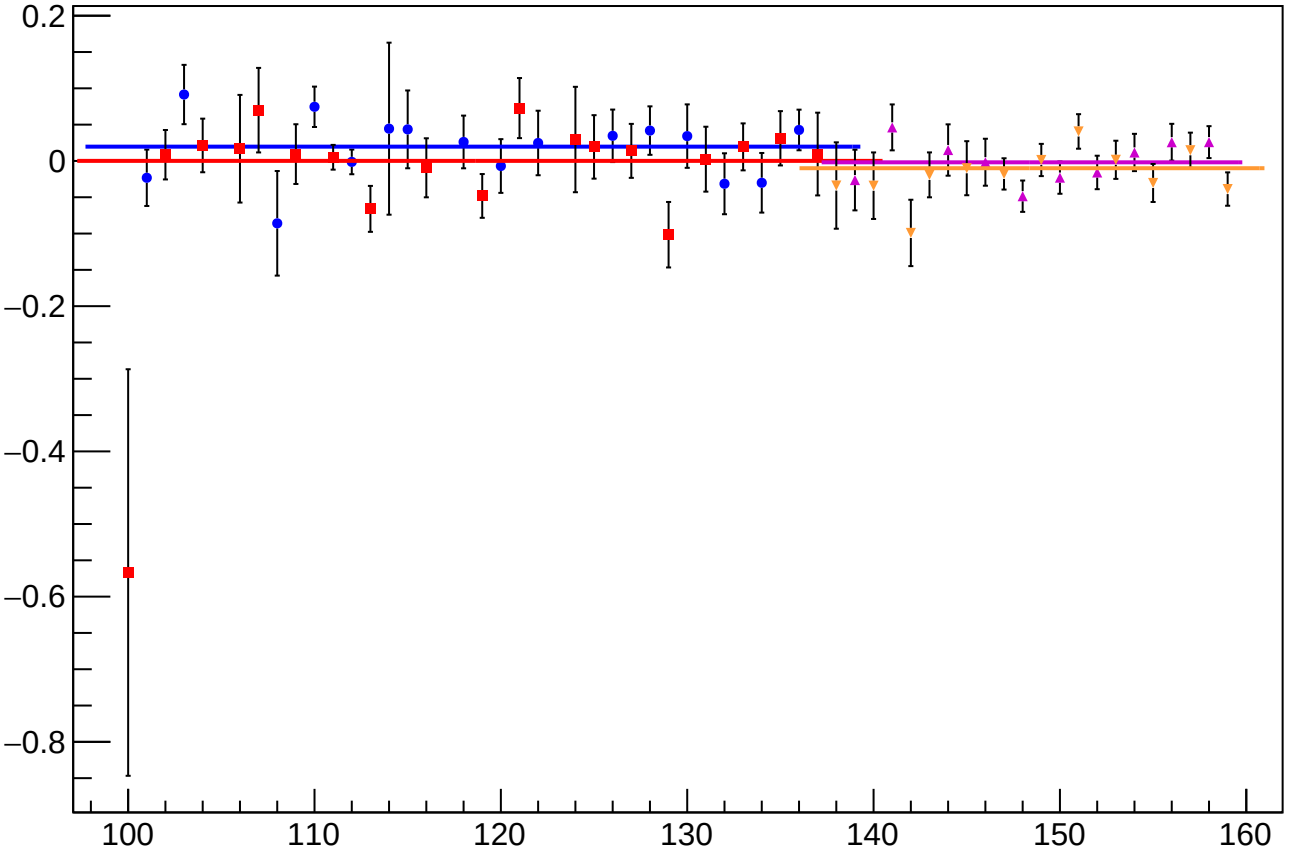
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.775+/-0.006 χ^2/NDF:645761.1/9

+ sign 22.724+/-0.004 χ^2/NDF: 2626433.1/27

All: 22.668+/-0.003 χ^2/NDF: 4665063.1/56

- sign 22.612+/-0.004 χ^2/NDF: 2038272.3/28



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

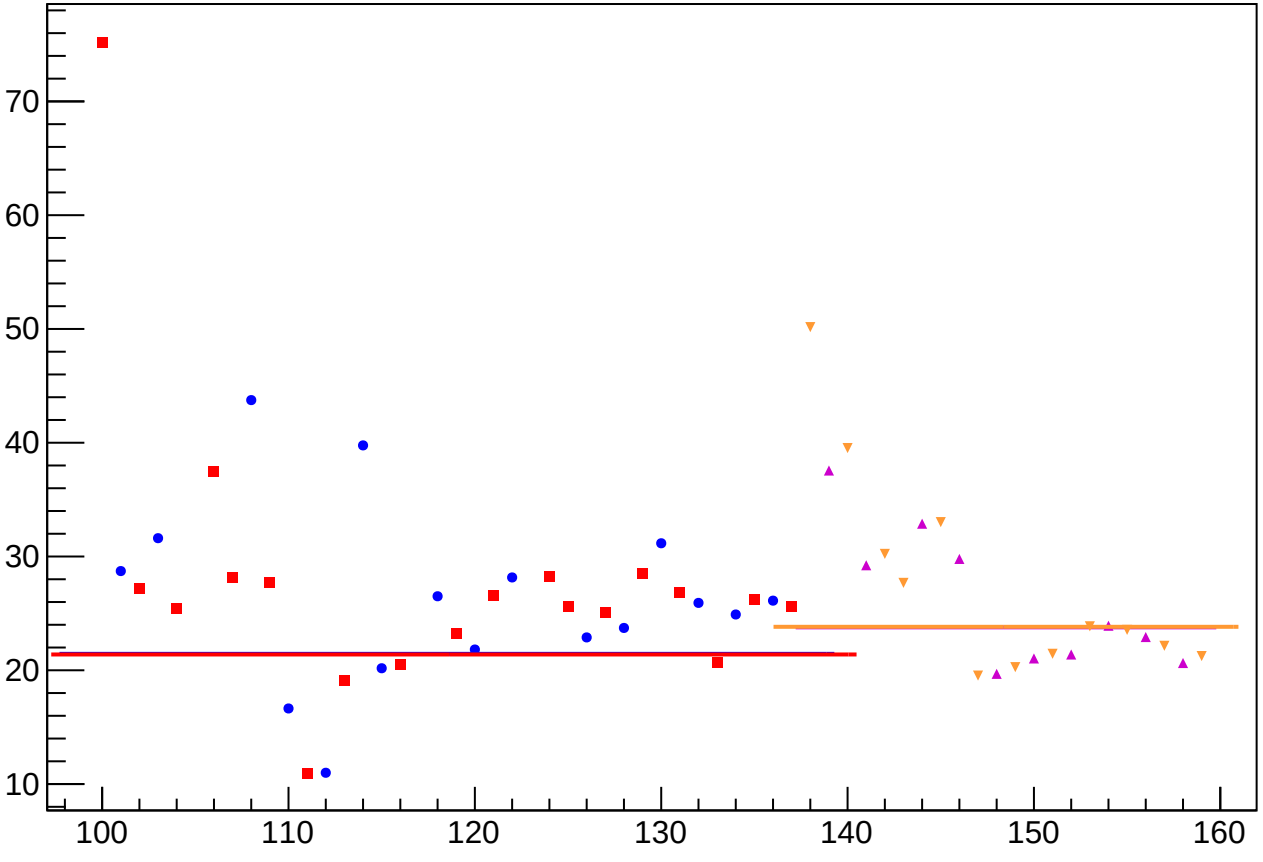
Left In: -0.002+/-0.008 χ^2/NDF:11.9/9

+ sign 0.004+/-0.006 χ^2/NDF: 36.0/27

All: 0.001+/-0.004 χ^2/NDF: 71.1/56

- sign -0.001+/-0.006 χ^2/NDF: 34.8/28

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

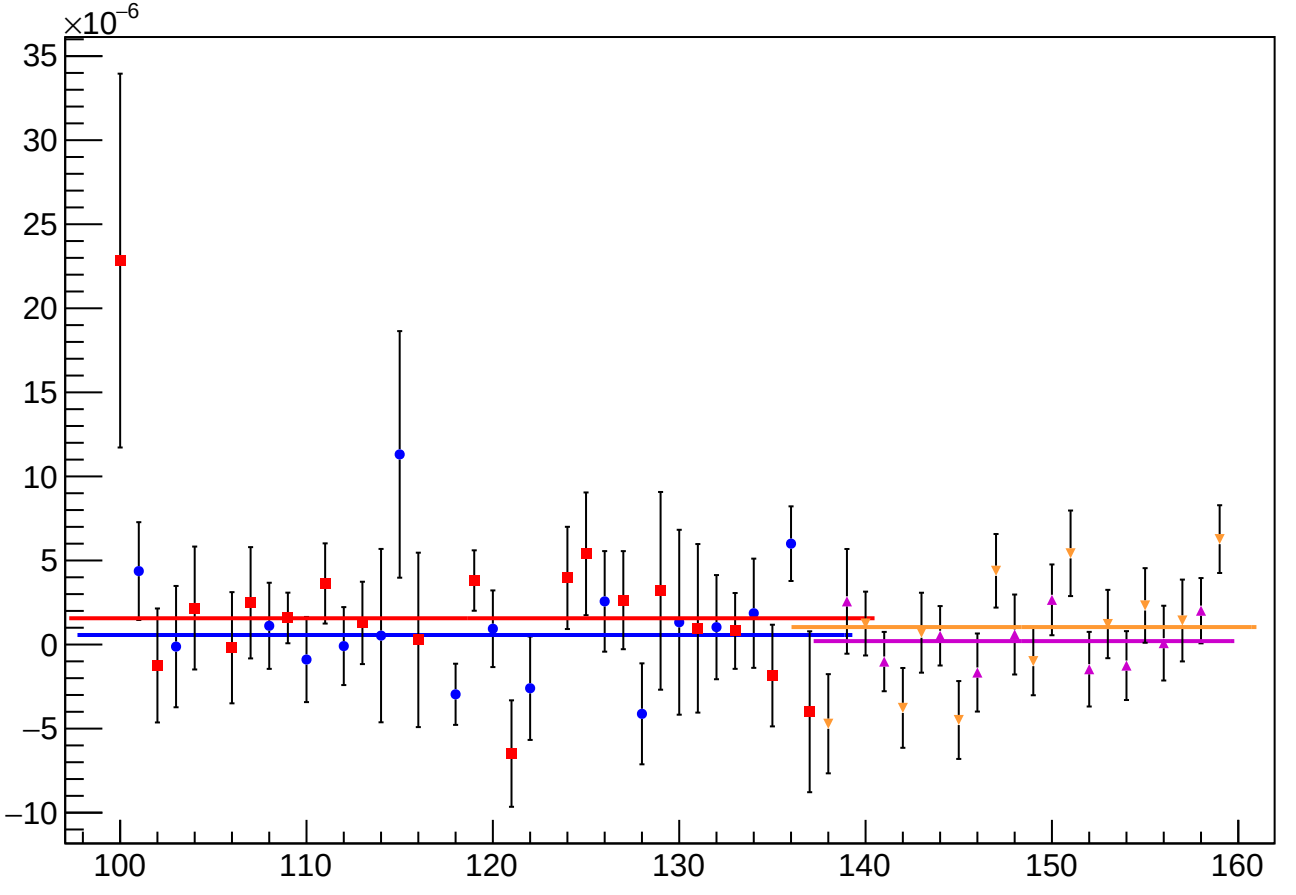
Left In: 23.775+/-0.006 χ^2/NDF:645761.1/9

+ sign 22.724+/-0.004 χ^2/NDF: 2626433.1/27

All: 22.668+/-0.003 χ^2/NDF: 4665063.1/56

- sign 22.612+/-0.004 χ^2/NDF: 2038272.3/28

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

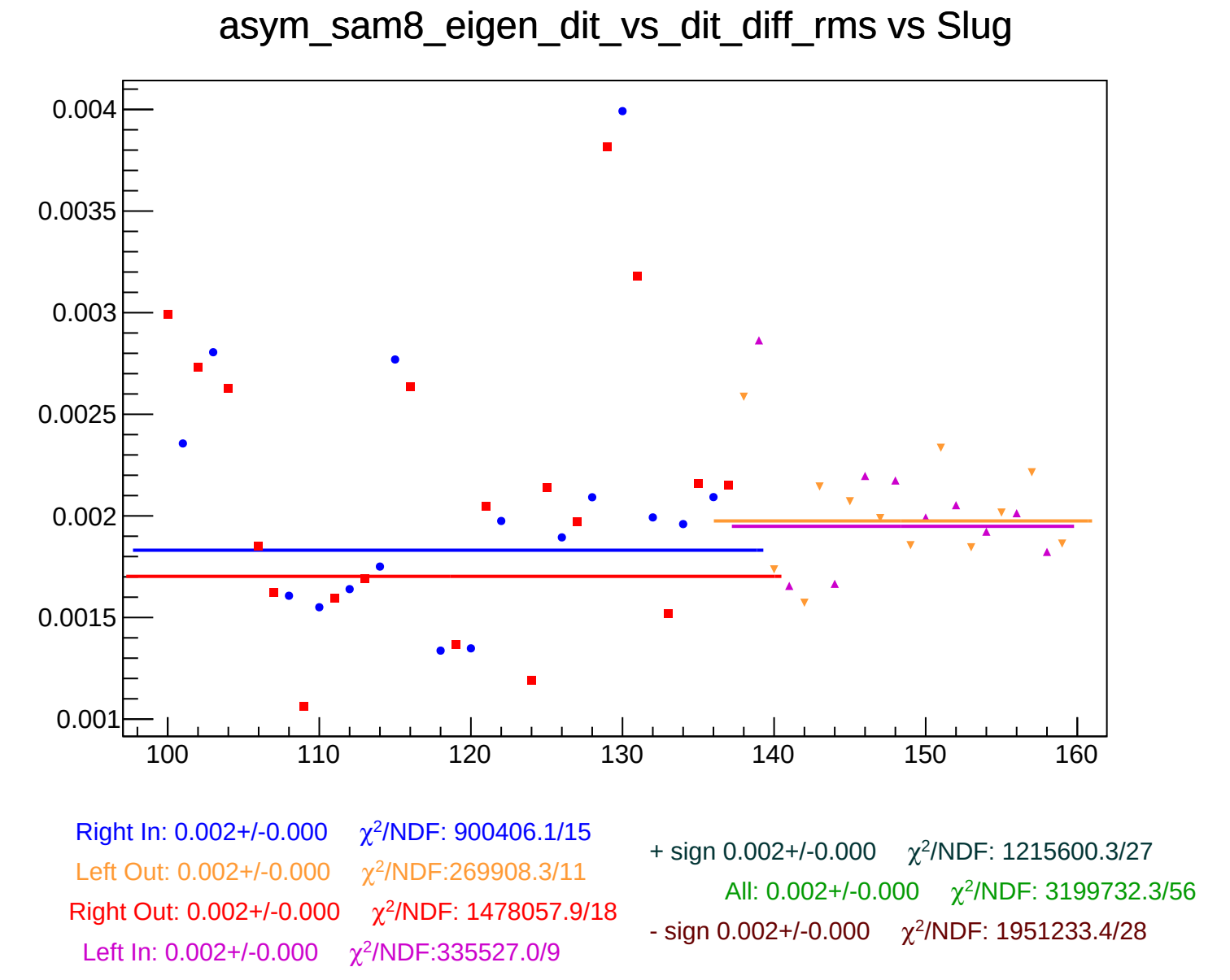
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/9

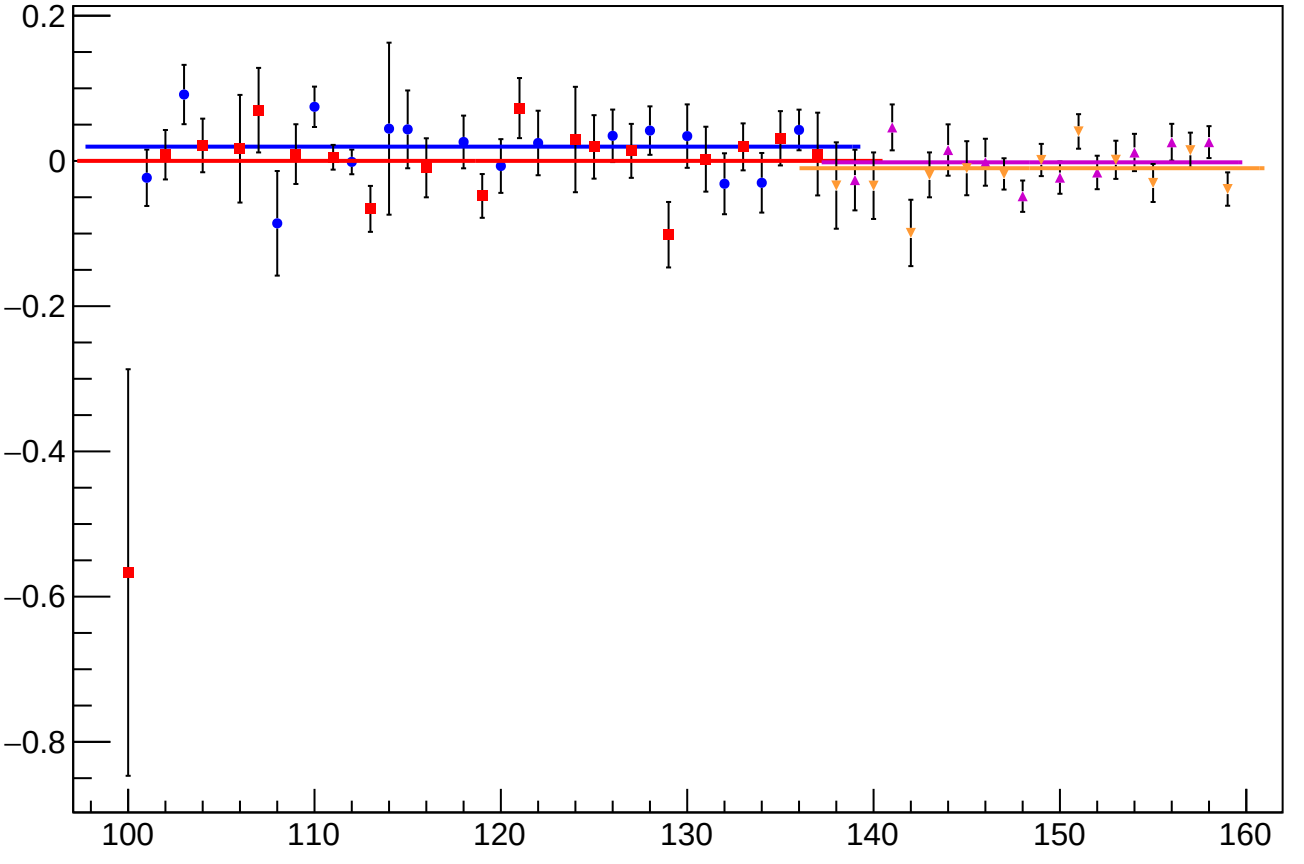
+ sign 0.000+/-0.000 χ^2/NDF: 45.6/27

All: 0.000+/-0.000 χ^2/NDF: 71.0/56

- sign 0.000+/-0.000 χ^2/NDF: 25.4/28


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:269908.3/11
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:335527.0/9
+ sign 0.002+/-0.000 χ²/NDF: 1215600.3/27
All: 0.002+/-0.000 χ²/NDF: 3199732.3/56
- sign 0.002+/-0.000 χ²/NDF: 1951233.4/28

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

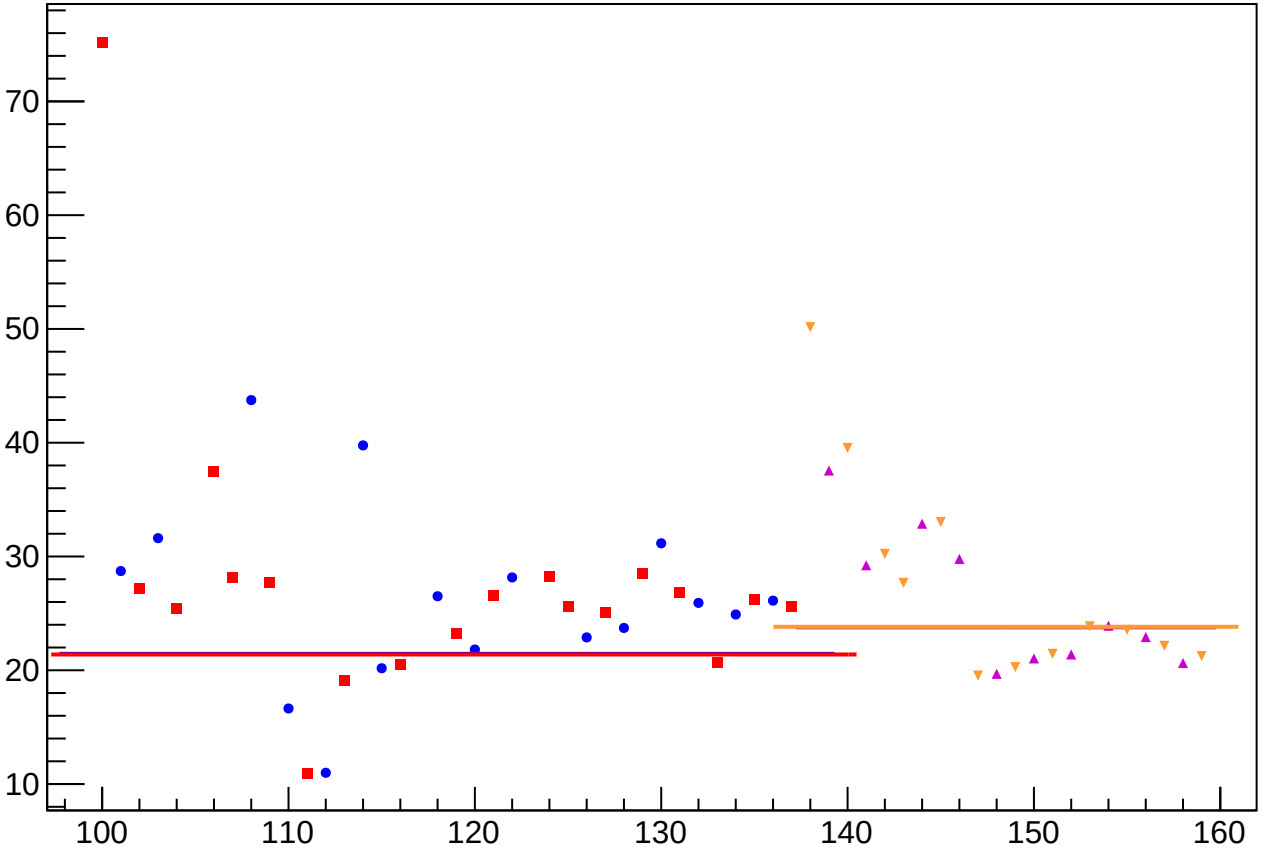
Left In: -0.002+/-0.008 χ^2/NDF:11.9/9

+ sign 0.004+/-0.006 χ^2/NDF: 36.0/27

All: 0.001+/-0.004 χ^2/NDF: 71.1/56

- sign -0.001+/-0.006 χ^2/NDF: 34.8/28

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

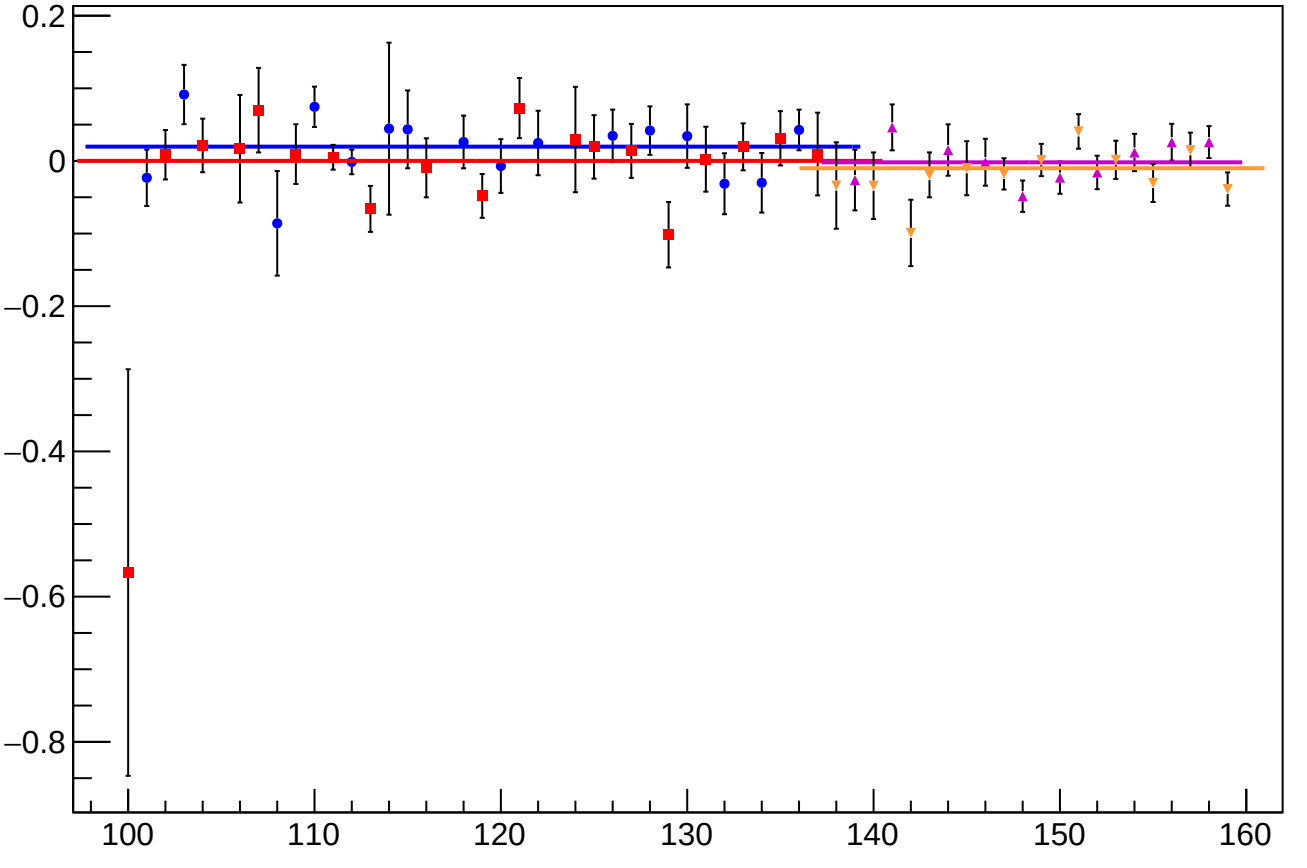
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.775+/-0.006 χ^2/NDF:645763.5/9

+ sign 22.723+/-0.004 χ^2/NDF: 2626638.8/27

All: 22.668+/-0.003 χ^2/NDF: 4665449.5/56

- sign 22.611+/-0.004 χ^2/NDF: 2038452.9/28



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.010+/-0.008 χ^2/NDF:12.7/11

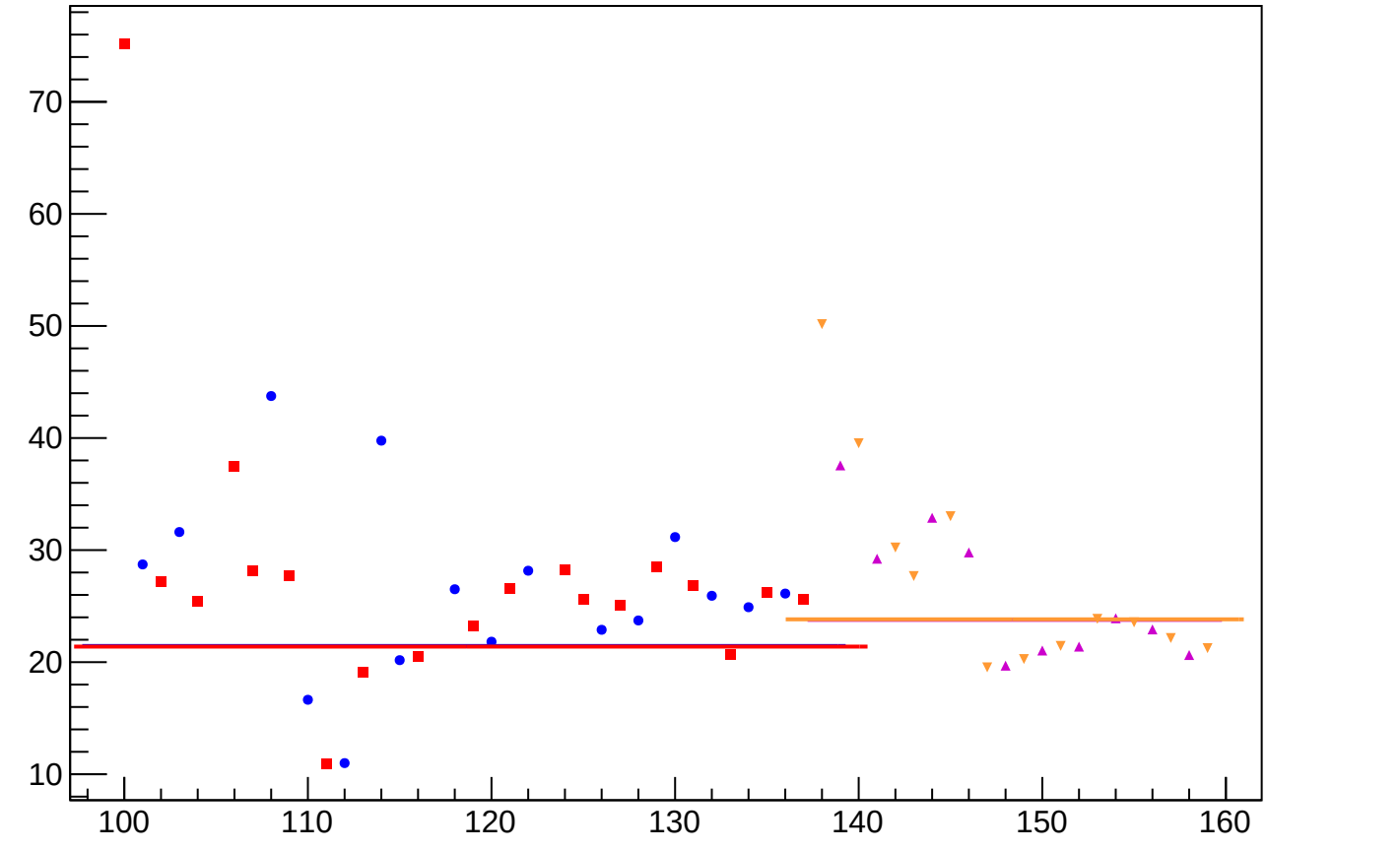
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.008 χ^2/NDF:11.9/9

+ sign 0.004+/-0.006 χ^2/NDF: 36.0/27

All: 0.001+/-0.004 χ^2/NDF: 71.1/56

- sign -0.001+/-0.006 χ^2/NDF: 34.8/28



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.822+/-0.006 χ^2/NDF:1005015.2/11

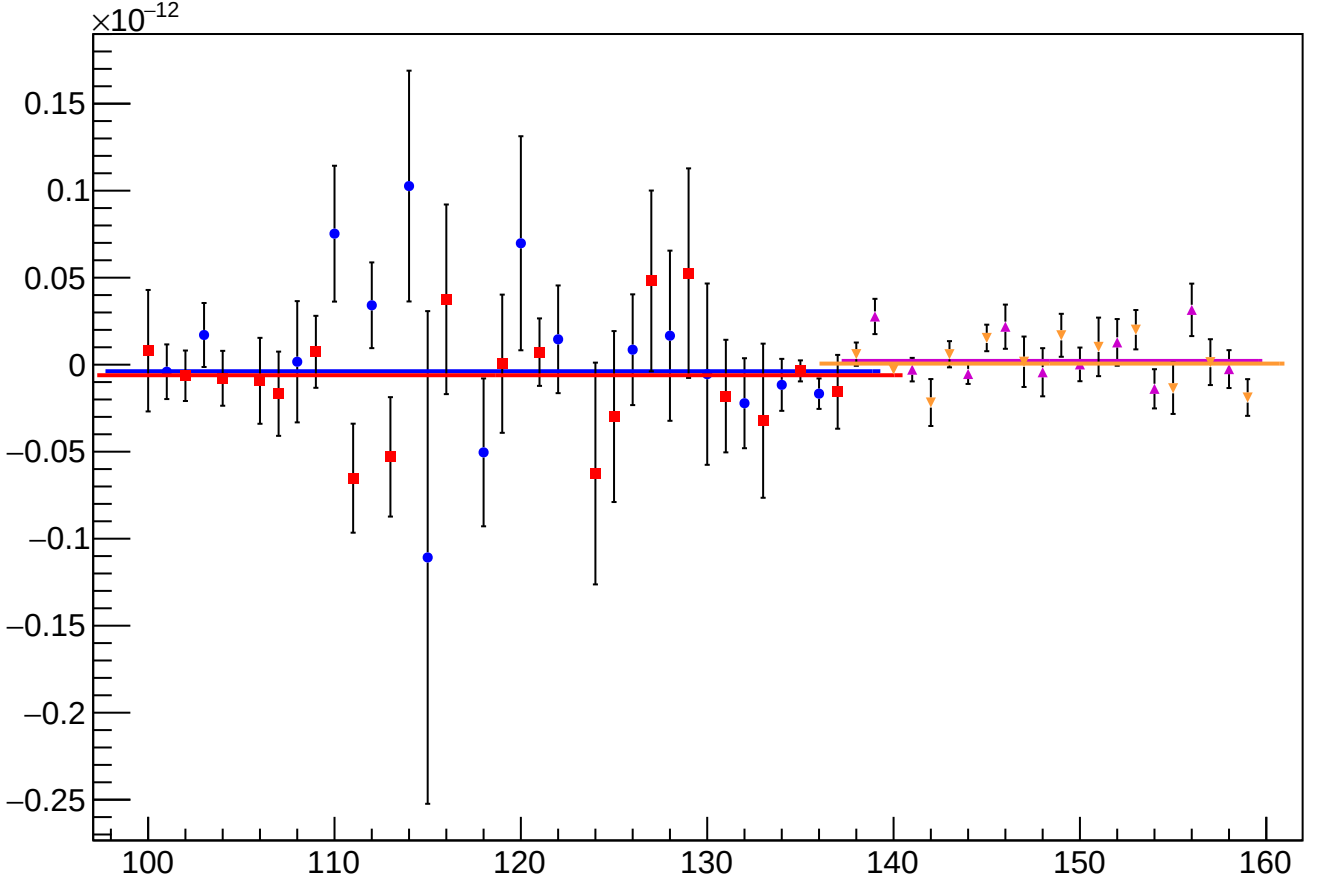
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.775+/-0.006 χ^2/NDF:645763.5/9

+ sign 22.723+/-0.004 χ^2/NDF: 2626638.8/27

All: 22.668+/-0.003 χ^2/NDF: 4665449.5/56

- sign 22.611+/-0.004 χ^2/NDF: 2038452.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/11

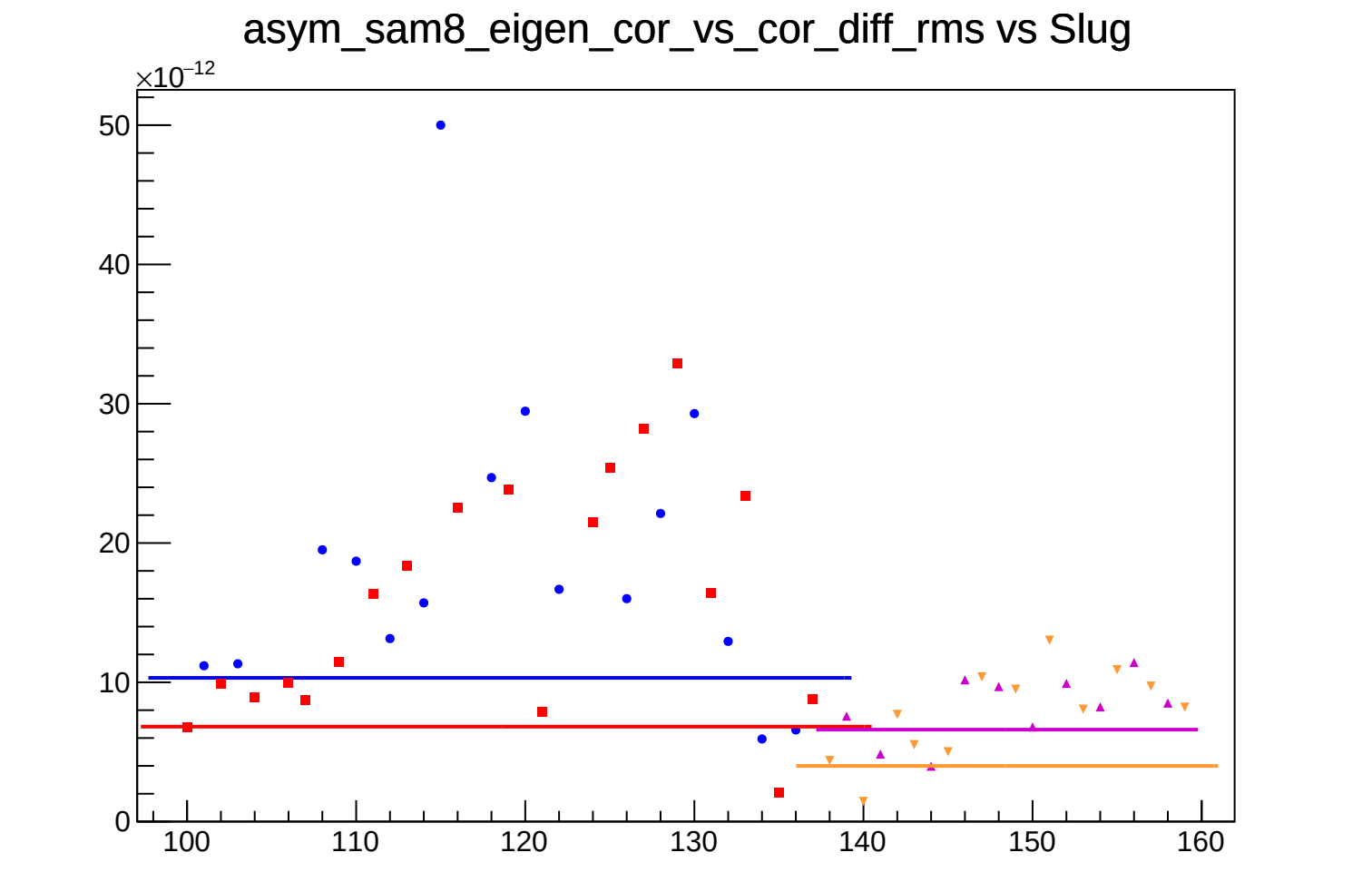
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/27

All: -0.000+/-0.000 χ^2/NDF: 67.8/56

- sign -0.000+/-0.000 χ^2/NDF: 31.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4597049.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

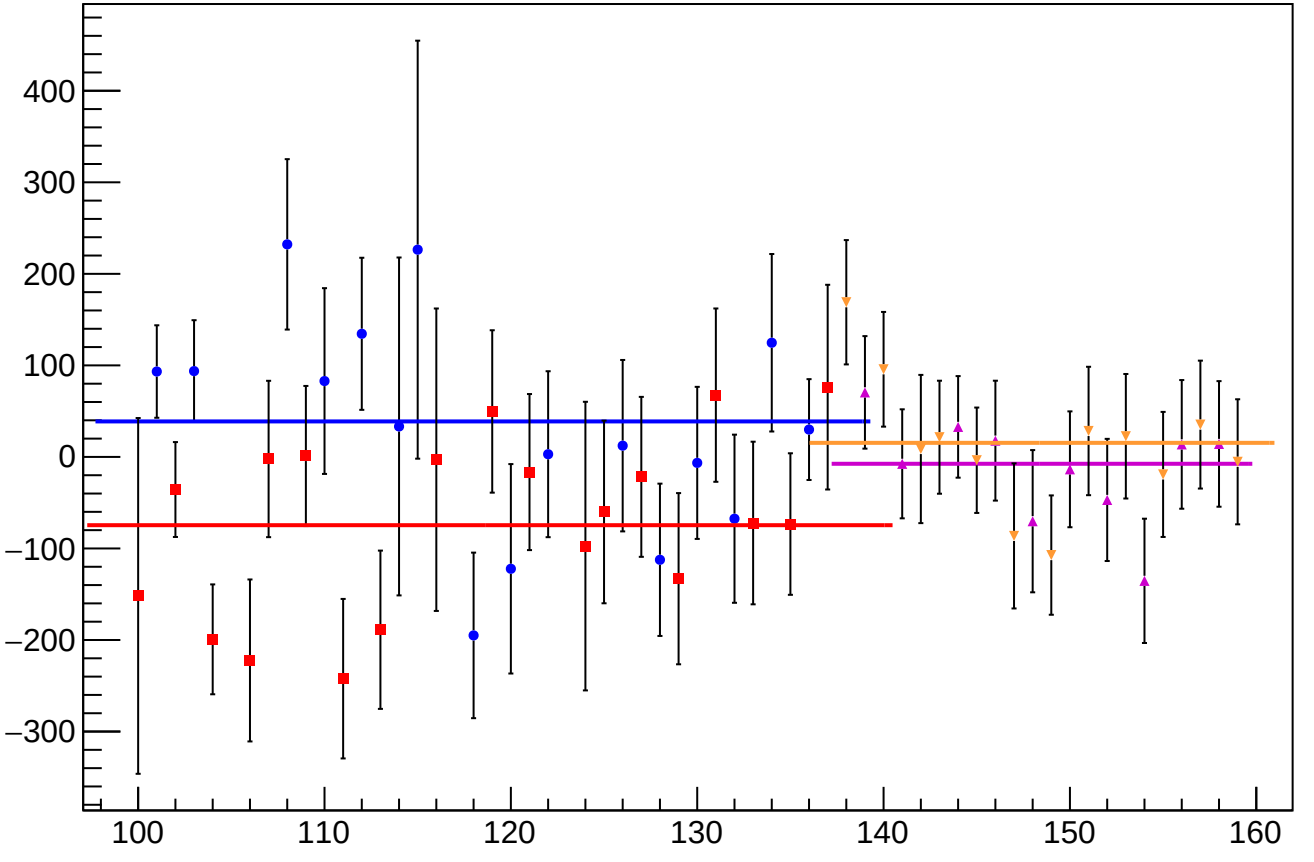
Left In: 0.000+/-0.000 χ^2/NDF:1263817.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 8857212.1/27

All: 0.000+/-0.000 χ^2/NDF: 14845892.5/56

- sign 0.000+/-0.000 χ^2/NDF: 5288943.6/28

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

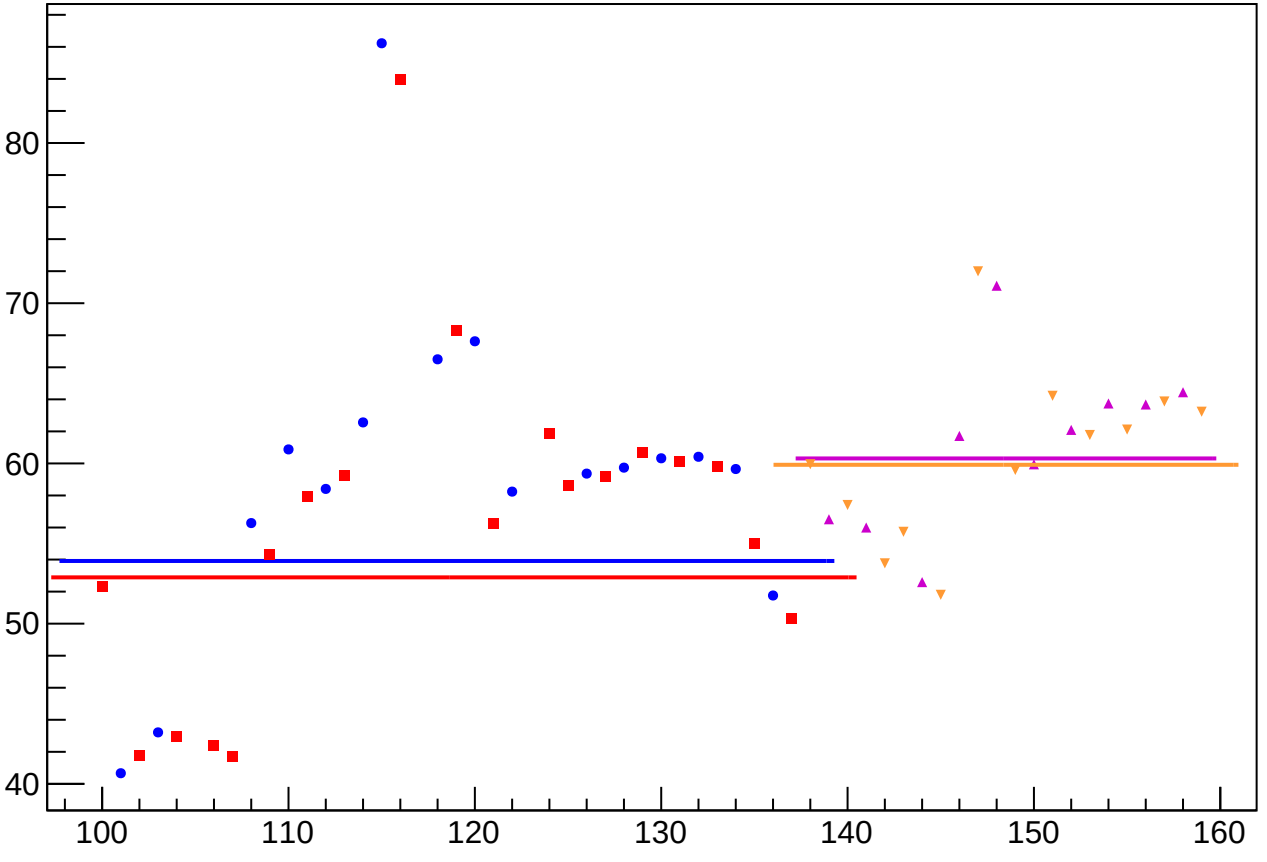
Left In: -7.493+/-20.513 χ^2/NDF:7.0/9

+ sign 26.534+/-14.092 χ^2/NDF: 36.5/27

All: -7.467+/-10.019 χ^2/NDF: 83.3/56

- sign -42.218+/-14.247 χ^2/NDF: 35.0/28

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

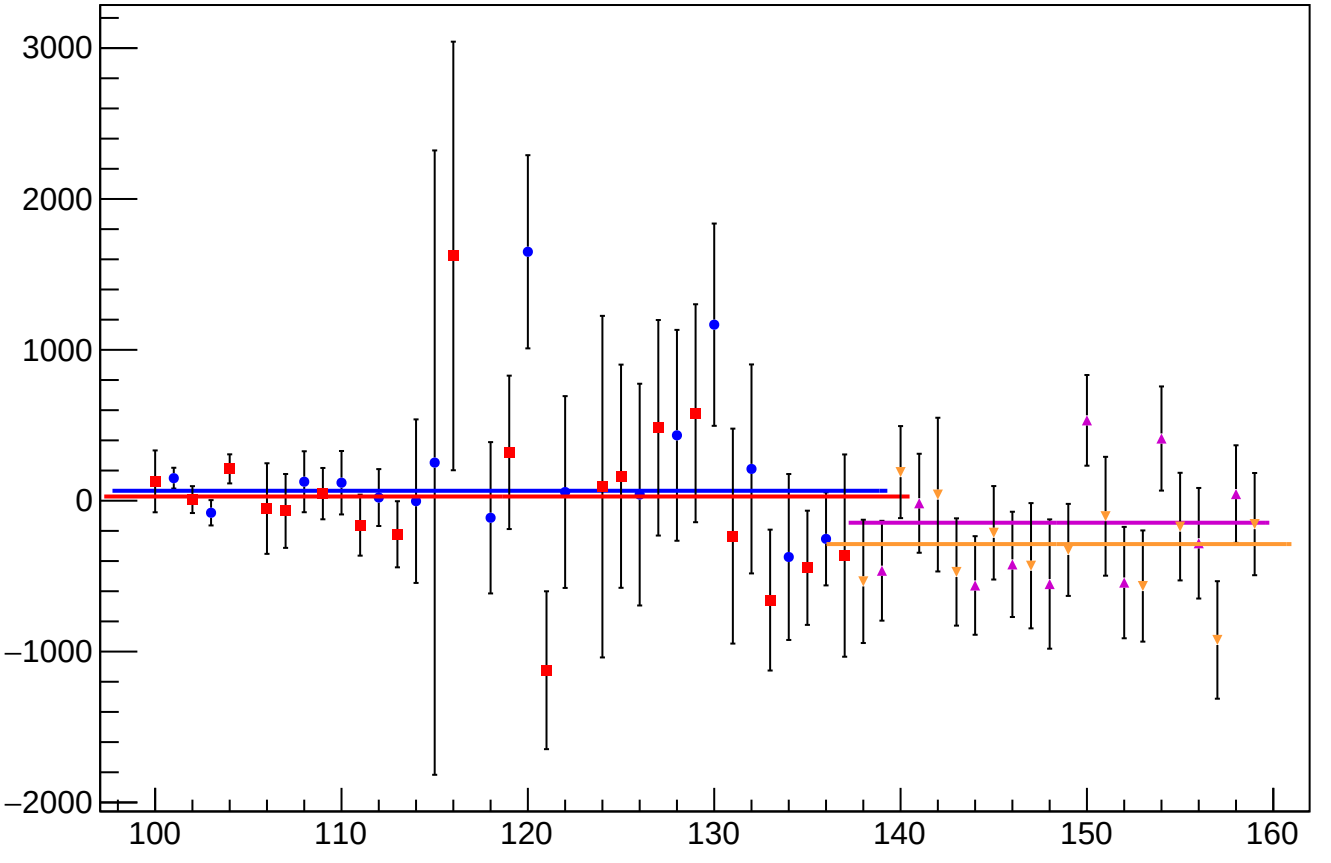
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

+ sign 57.054+/-0.010 χ^2/NDF: 616187.3/27

All: 56.765+/-0.007 χ^2/NDF: 1293358.4/56

- sign 56.469+/-0.010 χ^2/NDF: 675466.0/28



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

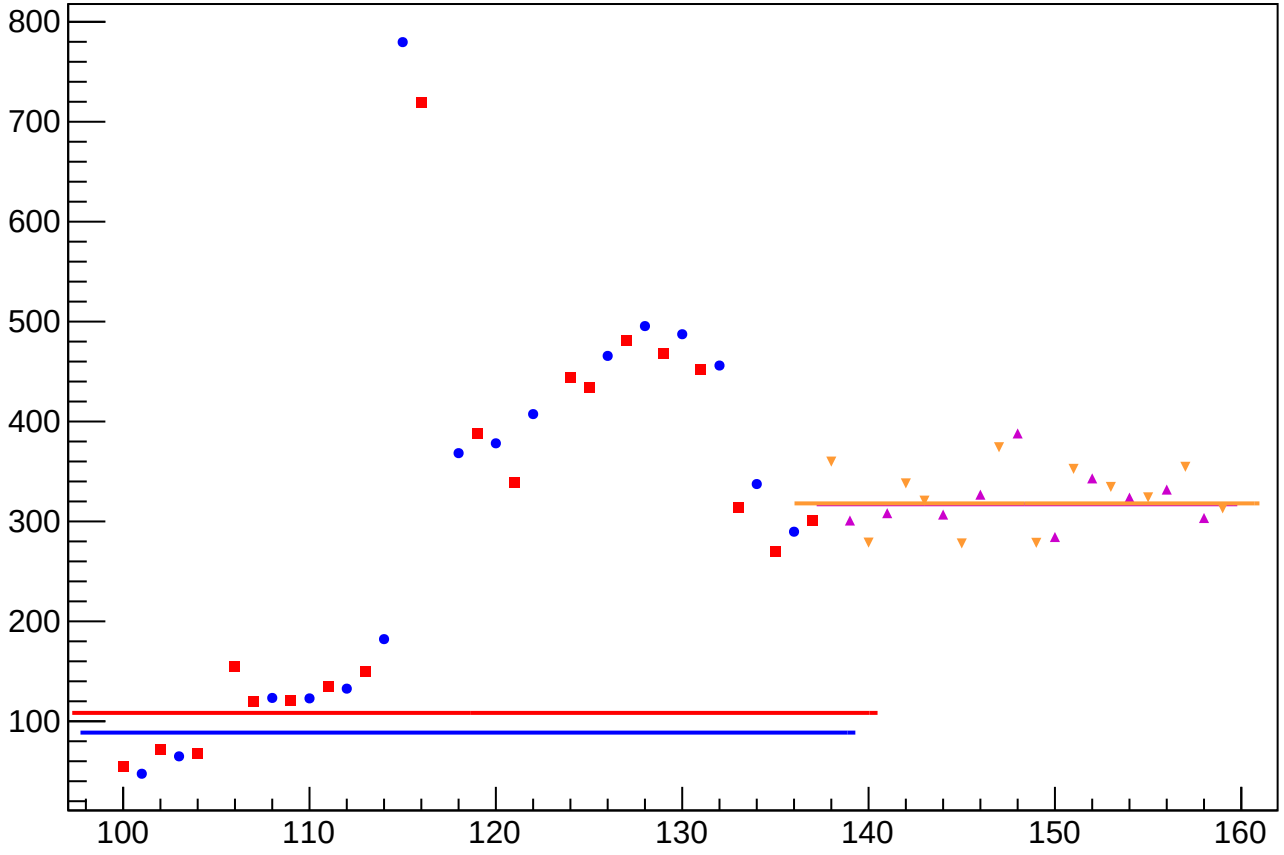
Left In: -145.929+/-108.299 χ^2/NDF:13.6/9

+ sign 7.031+/-42.434 χ^2/NDF: 32.7/27

All: 2.388+/-31.068 χ^2/NDF: 66.4/56

- sign -2.977+/-45.613 χ^2/NDF: 33.7/28

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

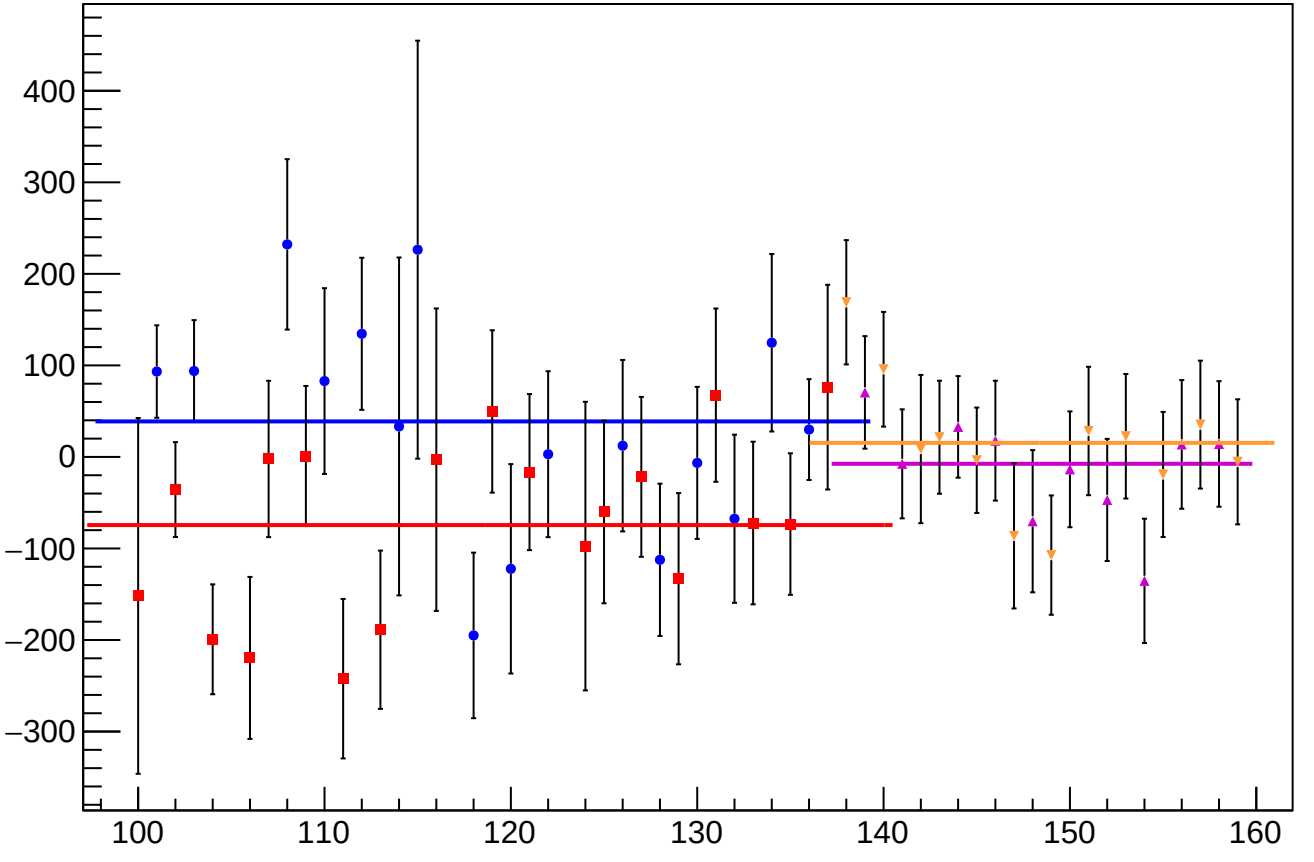
Left In: 317.171+/-0.077 χ^2/NDF:105727.1/9

+ sign 126.846+/-0.030 χ^2/NDF: 14957207.8/27

All: 135.464+/-0.022 χ^2/NDF: 26718339.2/56

- sign 145.422+/-0.032 χ^2/NDF: 11583311.7/28

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

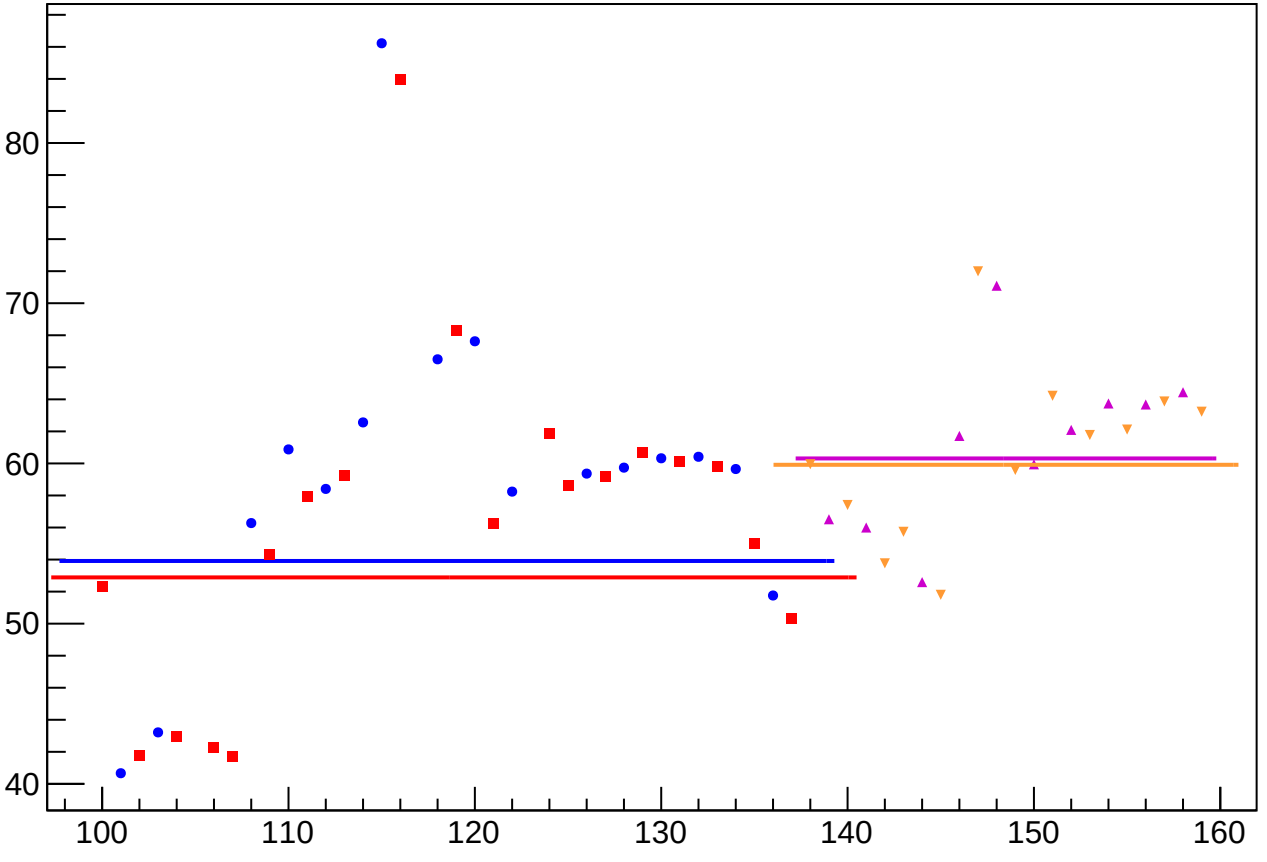
Left In: -7.493+/-20.513 χ^2/NDF:7.0/9

+ sign 26.539+/-14.092 χ^2/NDF: 36.5/27

All: -7.427+/-10.019 χ^2/NDF: 83.2/56

- sign -42.146+/-14.247 χ^2/NDF: 34.9/28

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

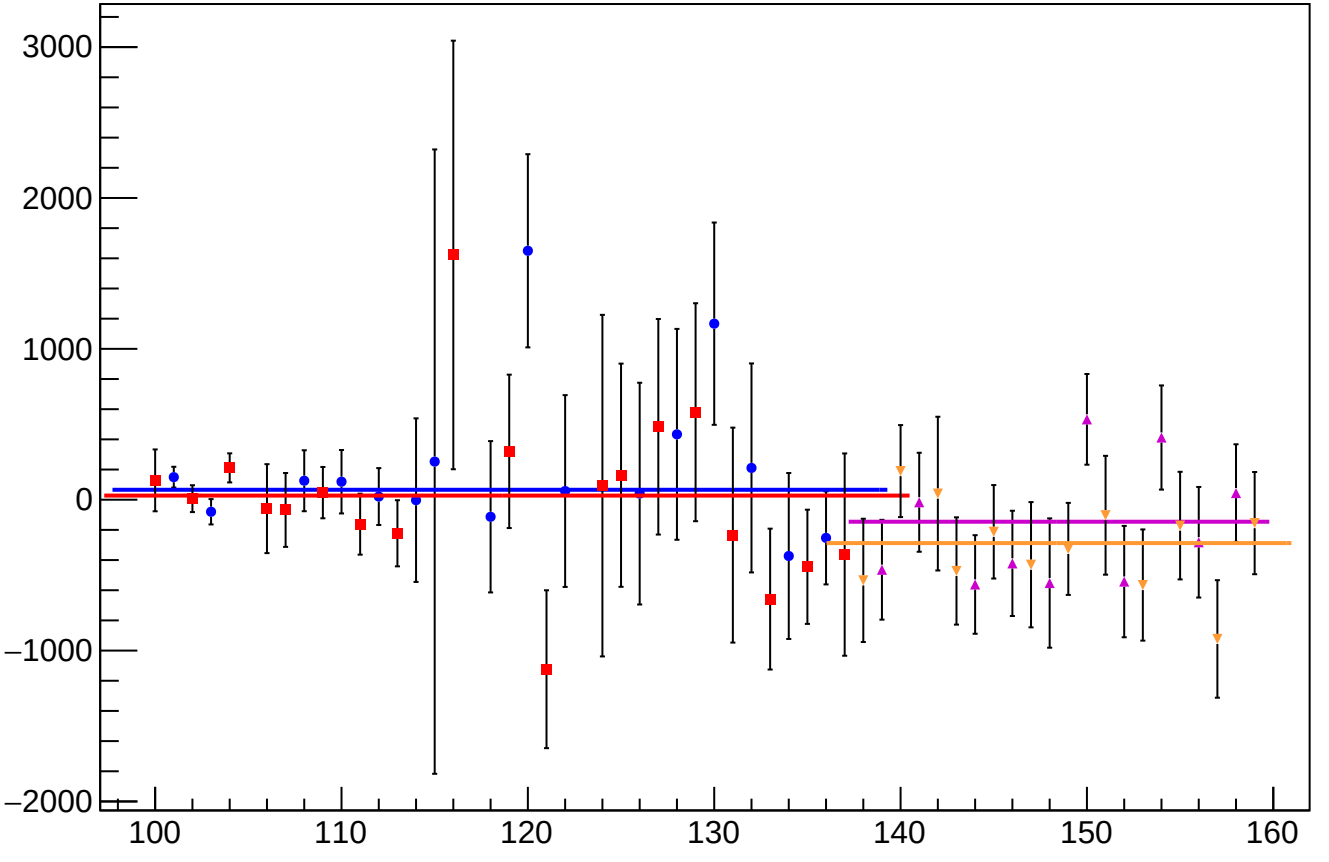
Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

+ sign 57.054+/-0.010 χ^2/NDF: 616186.5/27

All: 56.765+/-0.007 χ^2/NDF: 1293743.1/56

- sign 56.468+/-0.010 χ^2/NDF: 675846.3/28

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

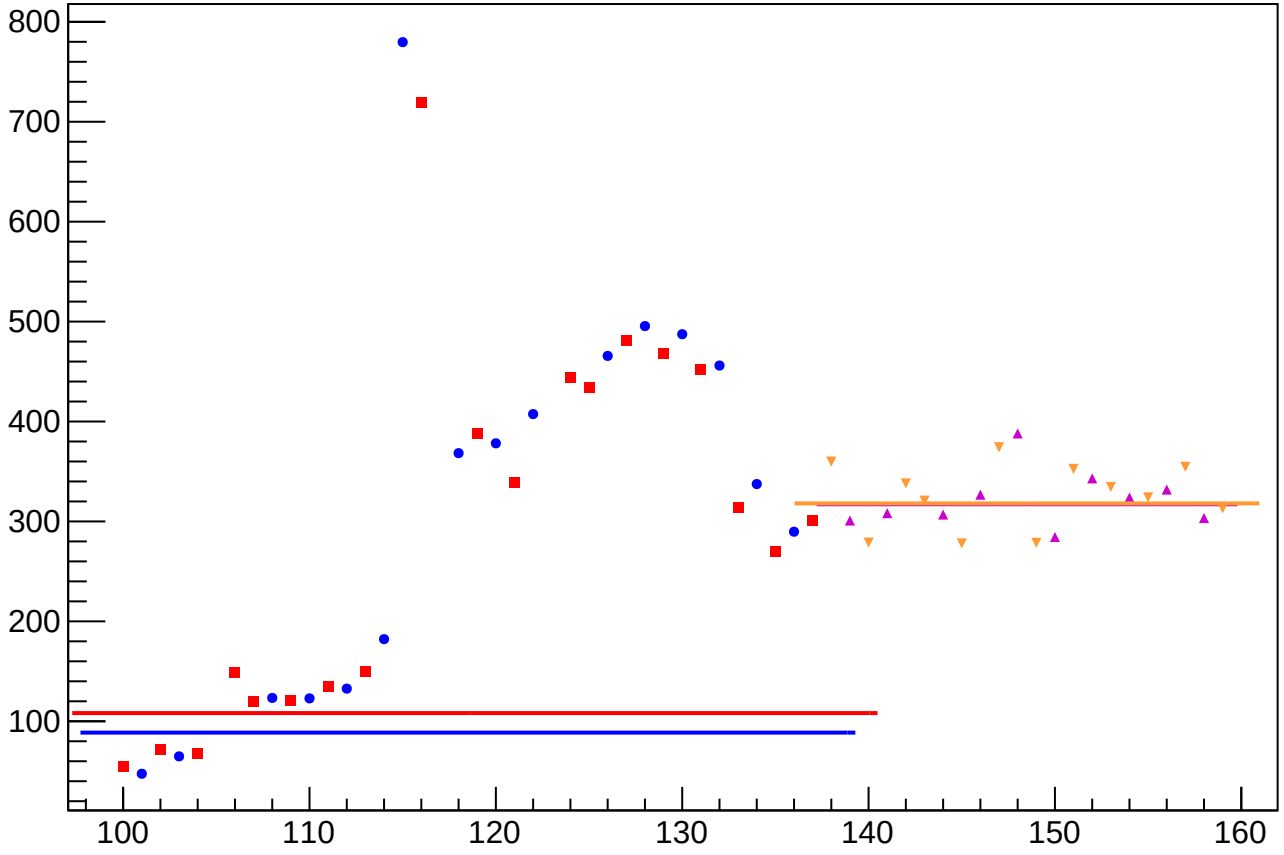
Left In: -145.927+/-108.298 χ^2/NDF:13.6/9

+ sign 7.036+/-42.433 χ^2/NDF: 32.7/27

All: 2.238+/-31.058 χ^2/NDF: 66.4/56

- sign -3.299+/-45.581 χ^2/NDF: 33.7/28

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

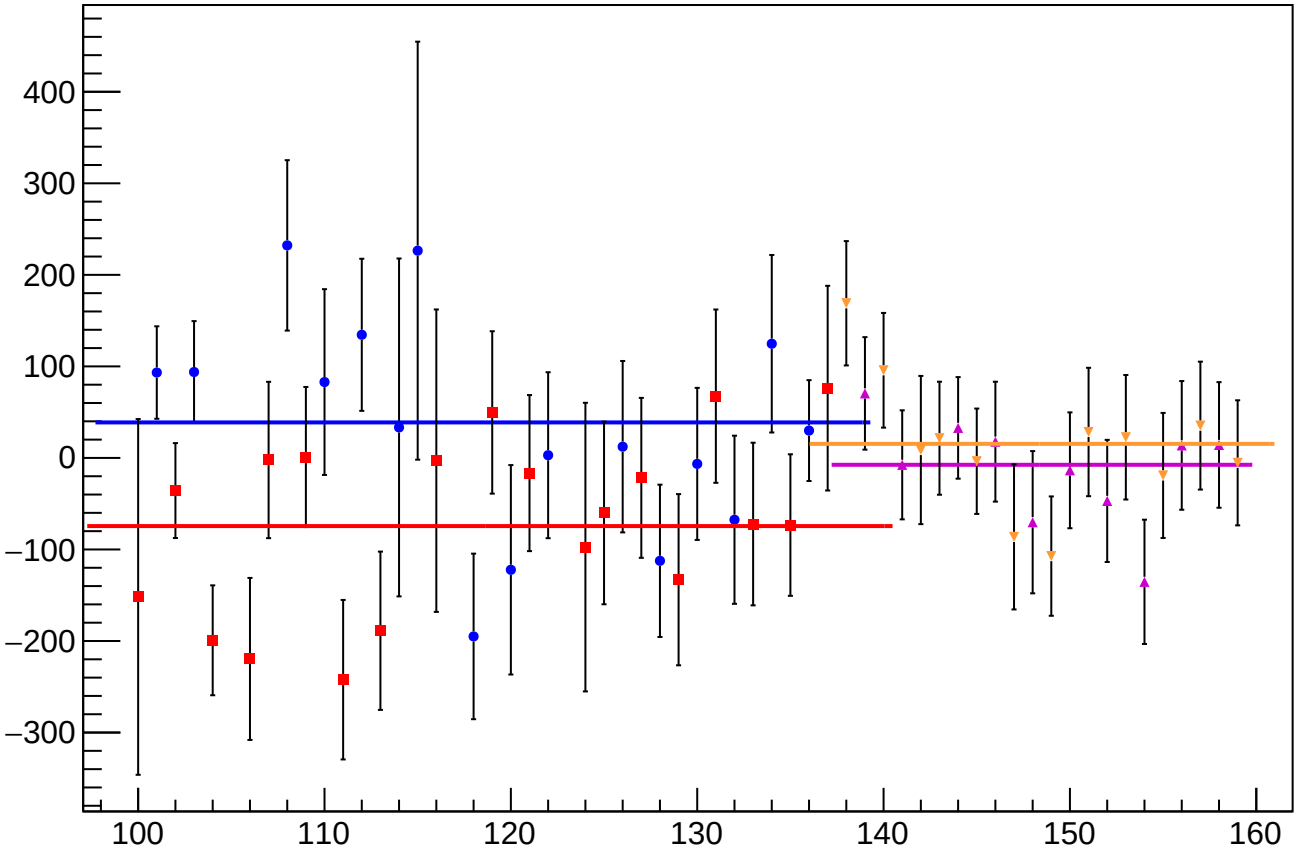
Left In: 317.170+/-0.077 χ^2/NDF:105728.1/9

+ sign 126.842+/-0.030 χ^2/NDF: 14957529.1/27

All: 135.376+/-0.022 χ^2/NDF: 26719404.2/56

- sign 145.223+/-0.032 χ^2/NDF: 11587639.9/28

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

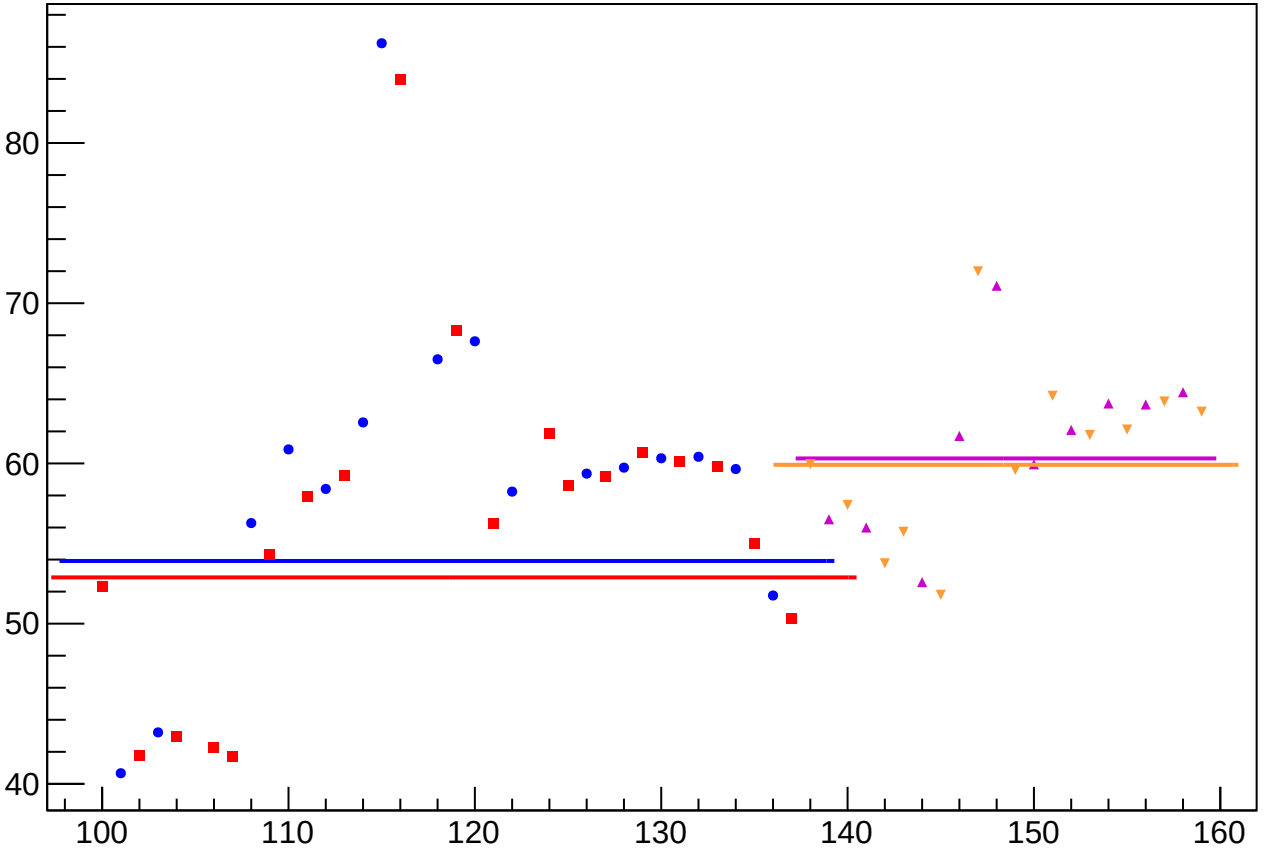
Left In: -7.493+/-20.513 χ^2/NDF:7.0/9

+ sign 26.539+/-14.092 χ^2/NDF: 36.5/27

All: -7.427+/-10.019 χ^2/NDF: 83.2/56

- sign -42.146+/-14.247 χ^2/NDF: 34.9/28

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

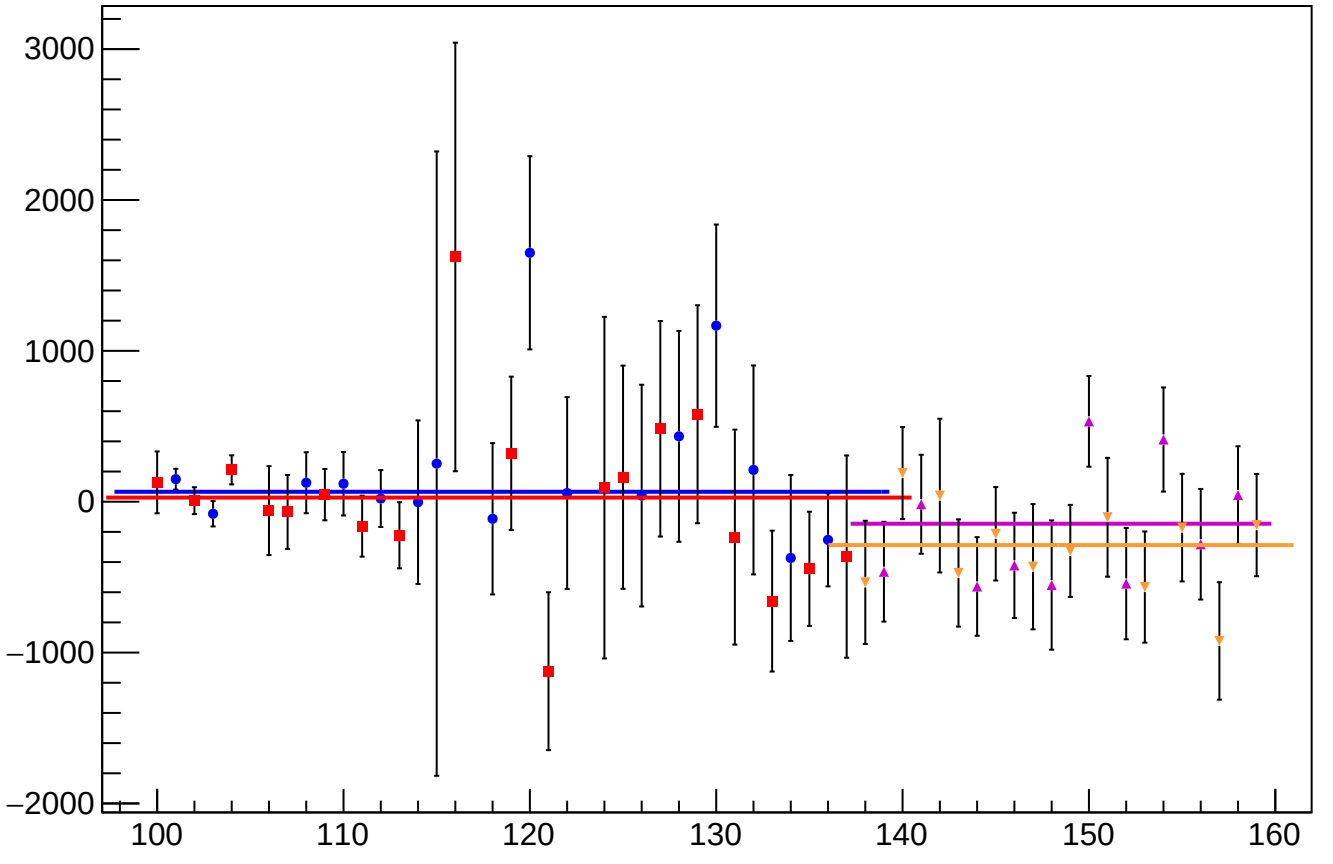
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.311+/-0.015 χ^2/NDF:114693.0/9

+ sign 57.054+/-0.010 χ^2/NDF: 616186.5/27

All: 56.765+/-0.007 χ^2/NDF: 1293743.1/56

- sign 56.468+/-0.010 χ^2/NDF: 675846.3/28



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

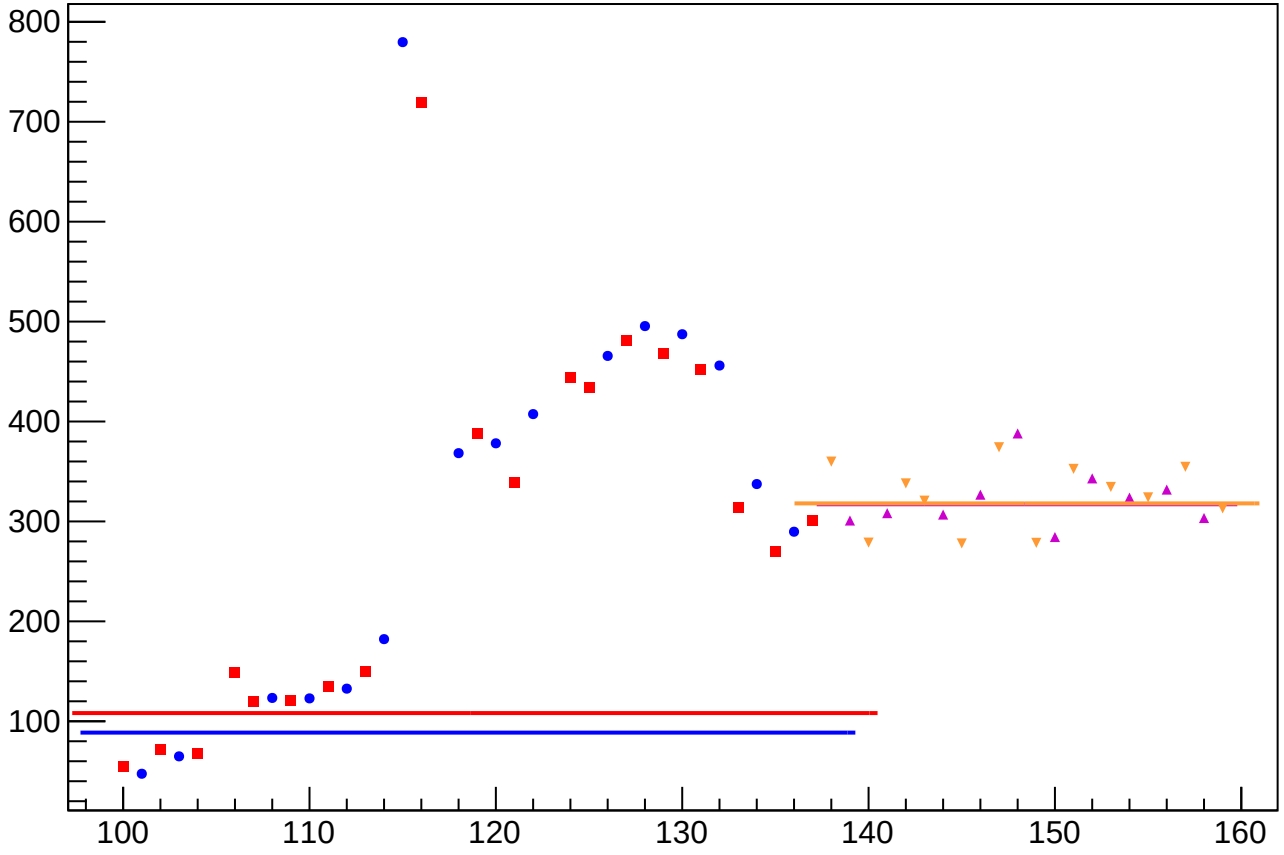
Left In: -145.927+/-108.298 χ^2/NDF:13.6/9

+ sign 7.036+/-42.433 χ^2/NDF: 32.7/27

All: 2.238+/-31.058 χ^2/NDF: 66.4/56

- sign -3.299+/-45.581 χ^2/NDF: 33.7/28

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

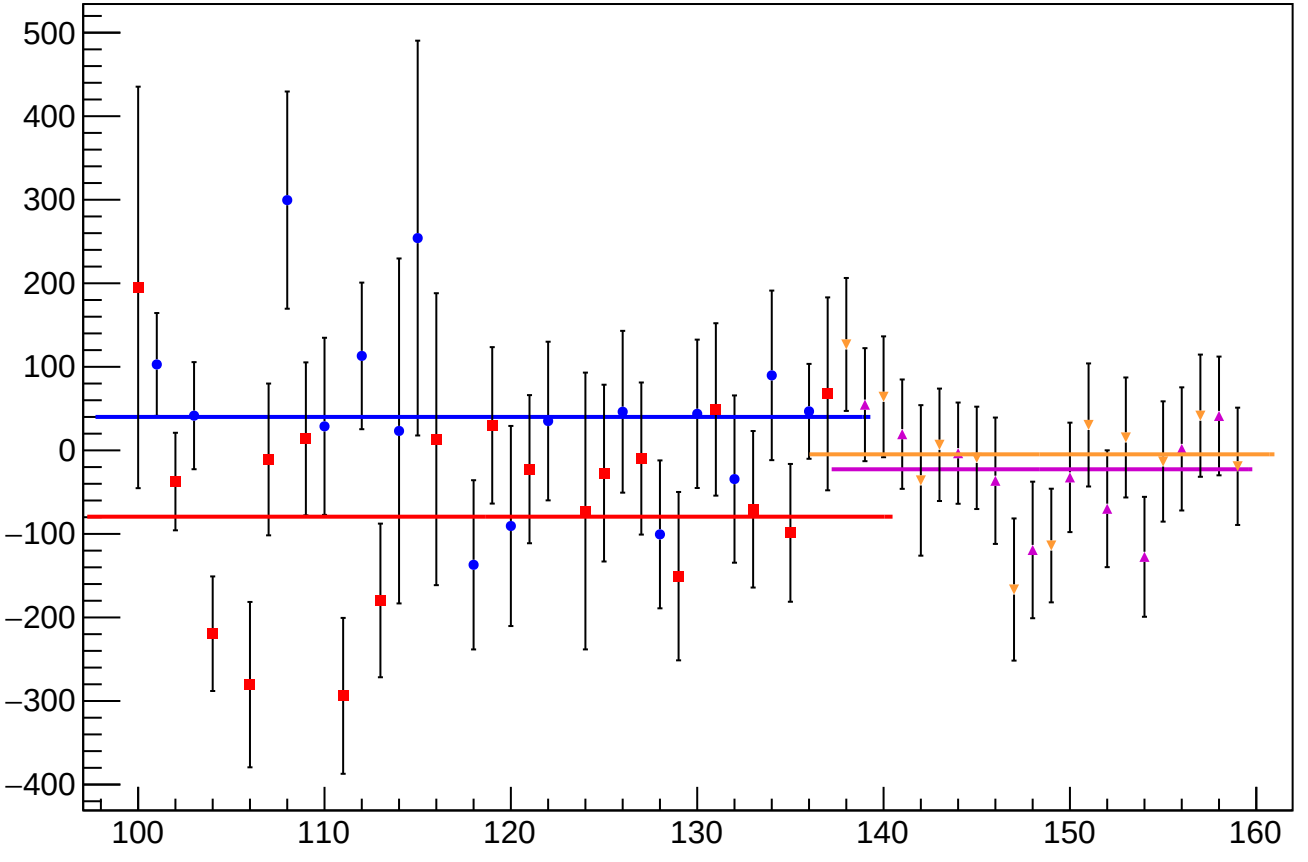
Left In: 317.170+/-0.077 χ^2/NDF:105728.1/9

+ sign 126.842+/-0.030 χ^2/NDF: 14957529.1/27

All: 135.376+/-0.022 χ^2/NDF: 26719404.2/56

- sign 145.223+/-0.032 χ^2/NDF: 11587639.9/28

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

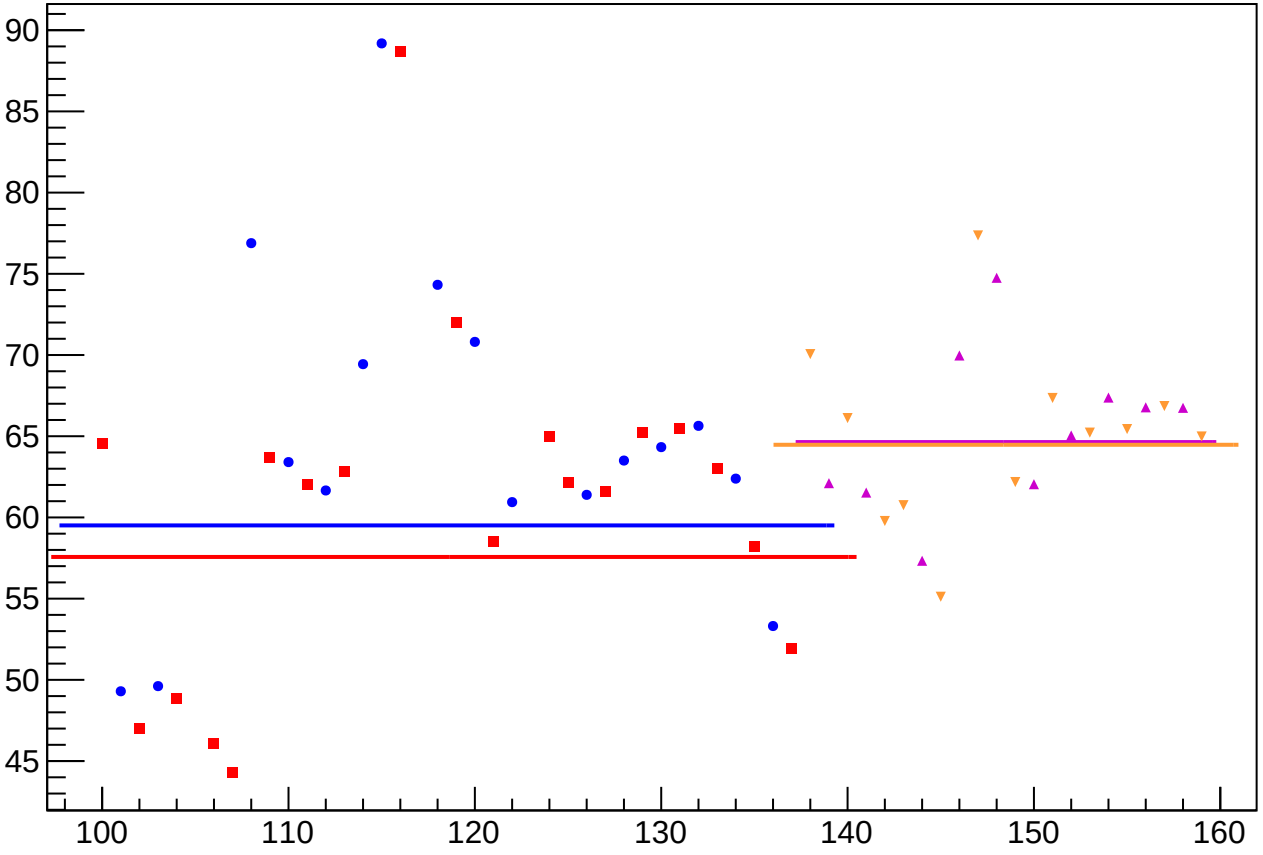
Left In: -22.637+/-22.018 χ^2/NDF:6.8/9

+ sign 16.059+/-15.344 χ^2/NDF: 27.0/27

All: -17.614+/-10.873 χ^2/NDF: 71.7/56

- sign -51.582+/-15.411 χ^2/NDF: 35.0/28

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

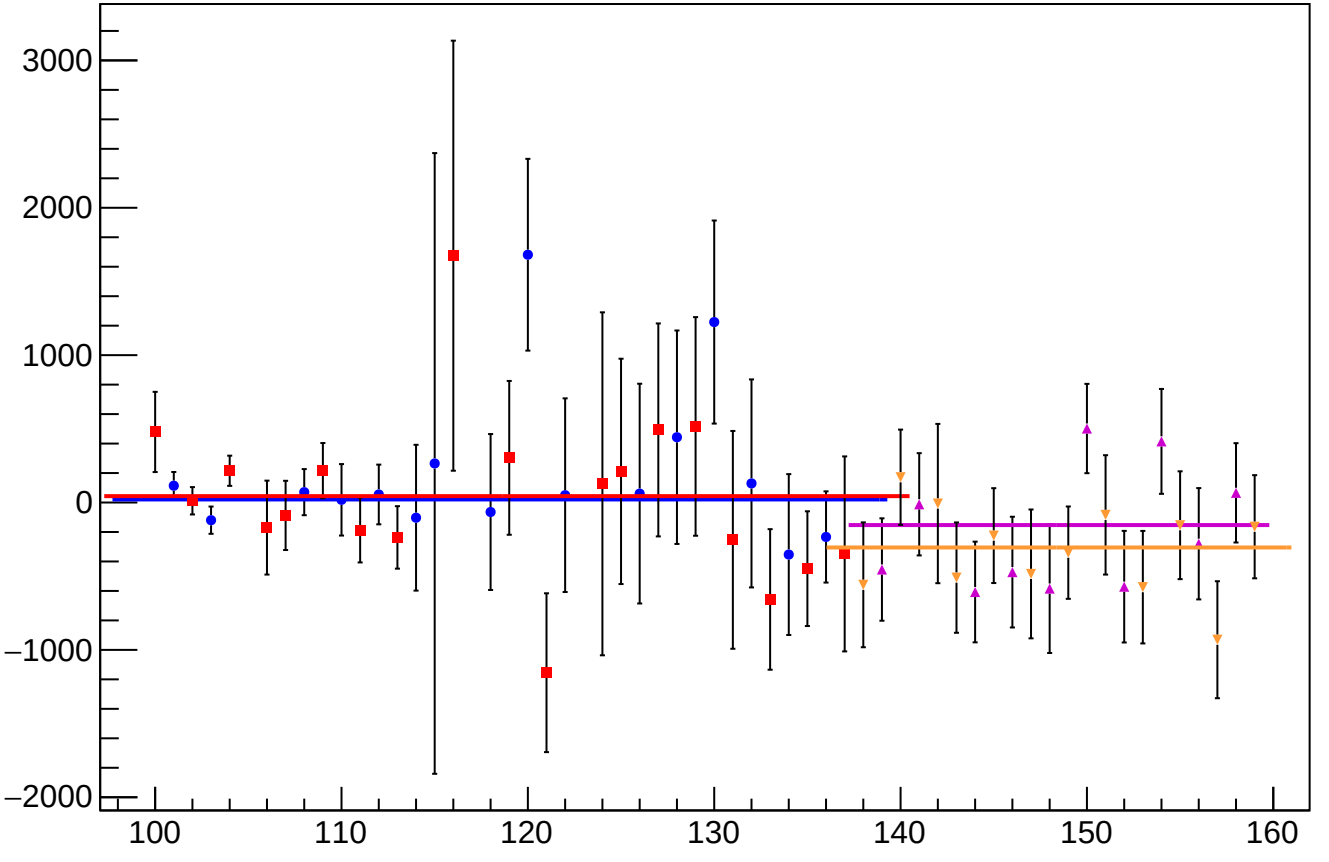
Left In: 64.640+/-0.016 χ^2/NDF:86549.8/9

+ sign 62.168+/-0.011 χ^2/NDF: 458385.0/27

All: 61.602+/-0.008 χ^2/NDF: 1003046.6/56

- sign 61.032+/-0.011 χ^2/NDF: 539204.8/28

asym_sam_15_avg_dit_correction_mean vs Slug



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

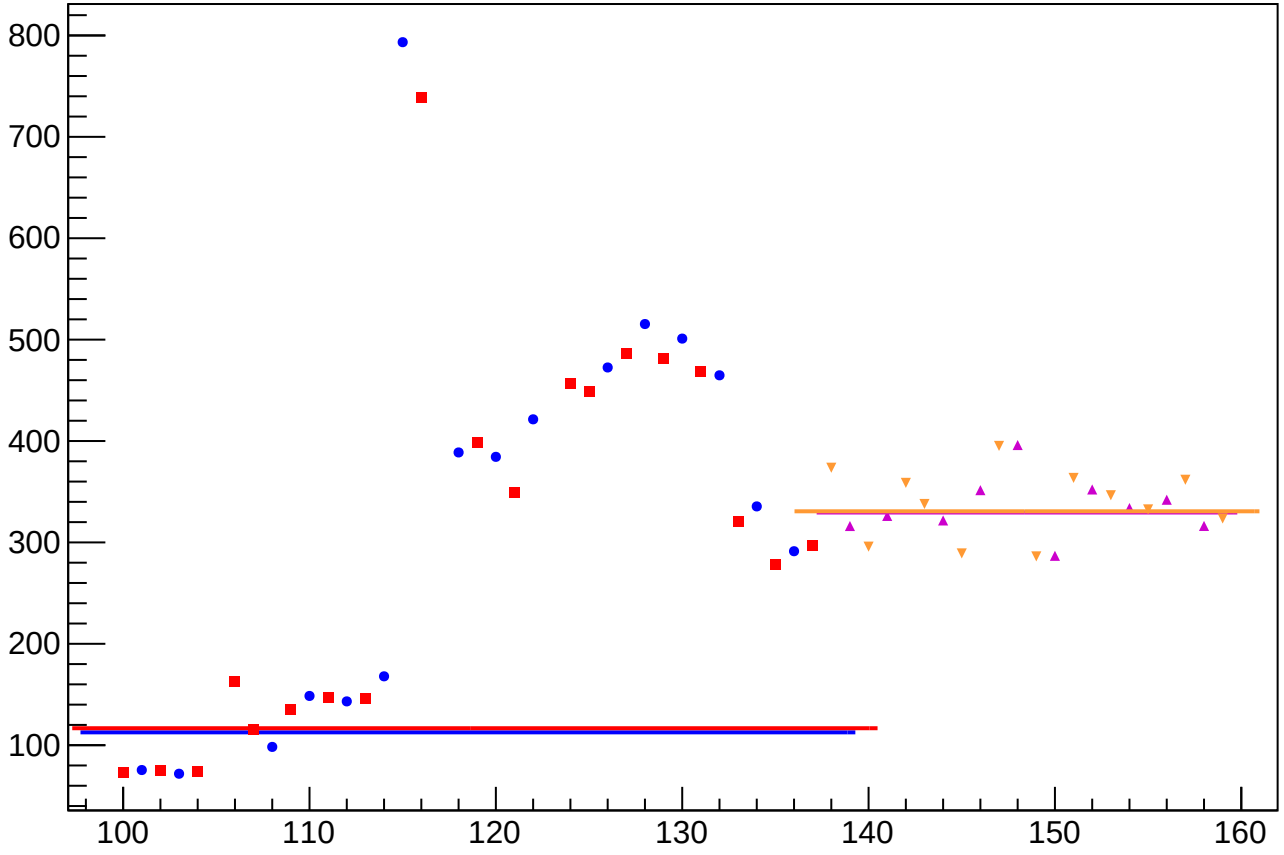
Left In: -153.021+/-112.474 χ^2/NDF:13.4/9

+ sign -43.544+/-48.003 χ^2/NDF: 28.9/27

All: -18.141+/-33.977 χ^2/NDF: 66.8/56

- sign 7.365+/-48.099 χ^2/NDF: 37.3/28

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

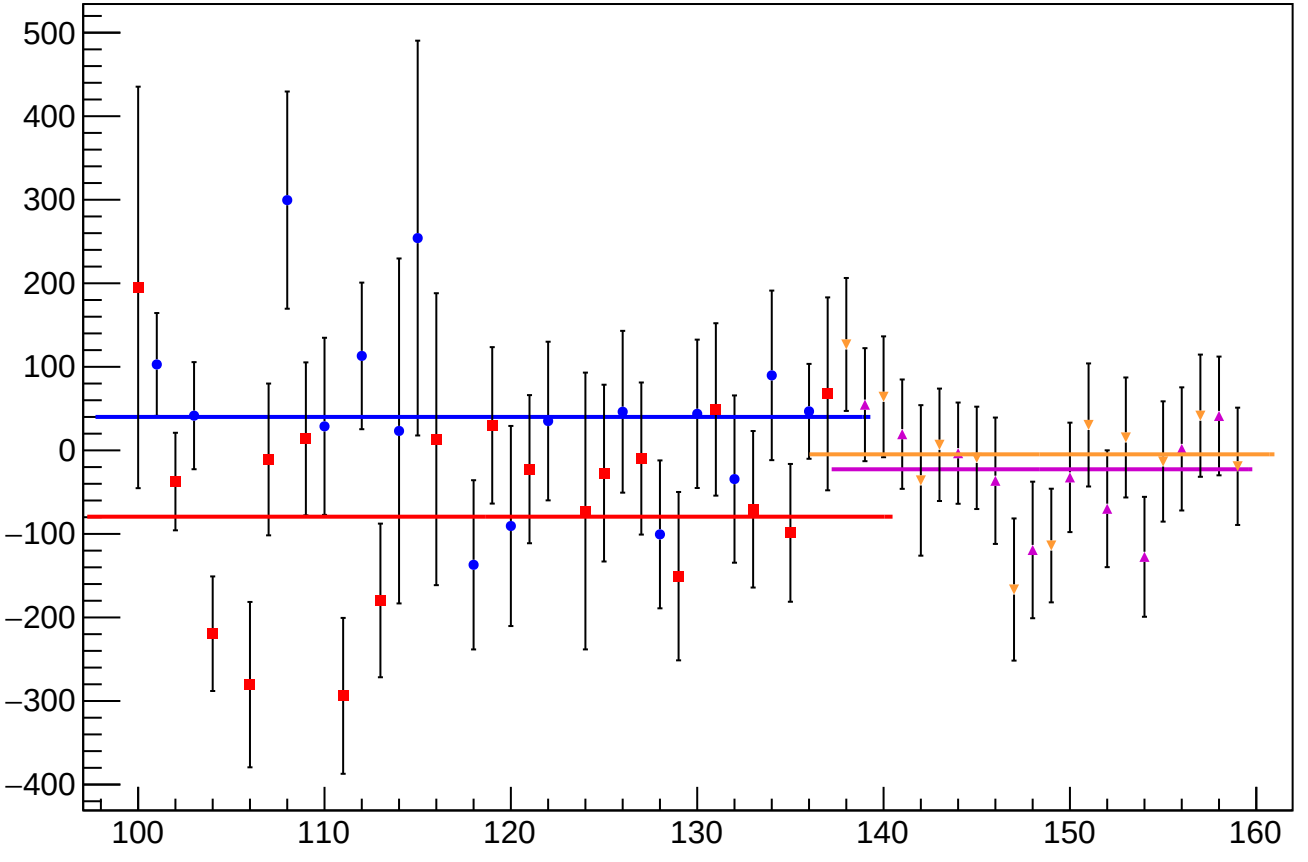
Left In: 329.496+/-0.080 χ^2/NDF:109966.3/9

+ sign 155.724+/-0.034 χ^2/NDF: 12334671.3/27

All: 155.684+/-0.024 χ^2/NDF: 23434042.1/56

- sign 155.644+/-0.034 χ^2/NDF: 11099368.0/28

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

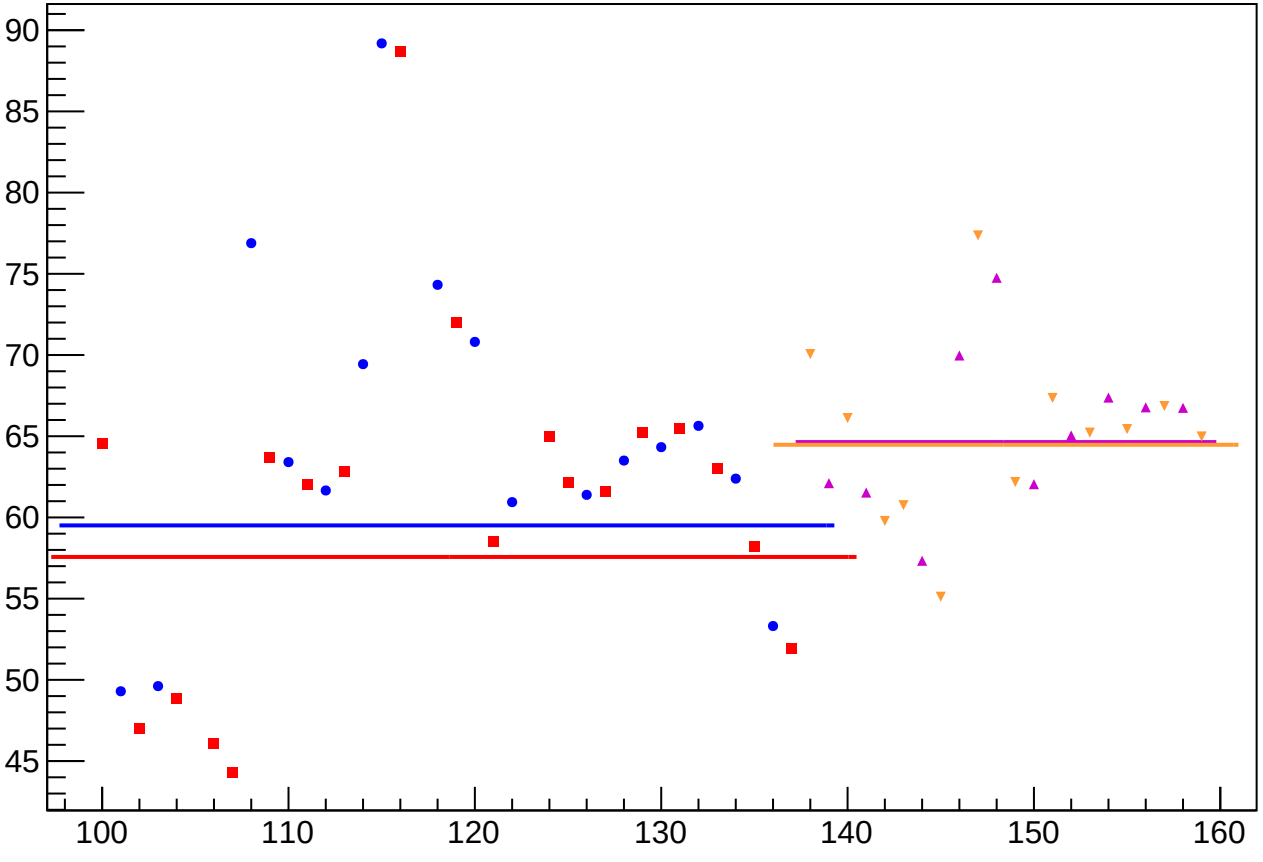
Left In: -22.638+/-22.018 χ^2/NDF:6.8/9

+ sign 16.059+/-15.344 χ^2/NDF: 27.0/27

All: -17.614+/-10.873 χ^2/NDF: 71.7/56

- sign -51.582+/-15.411 χ^2/NDF: 35.0/28

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

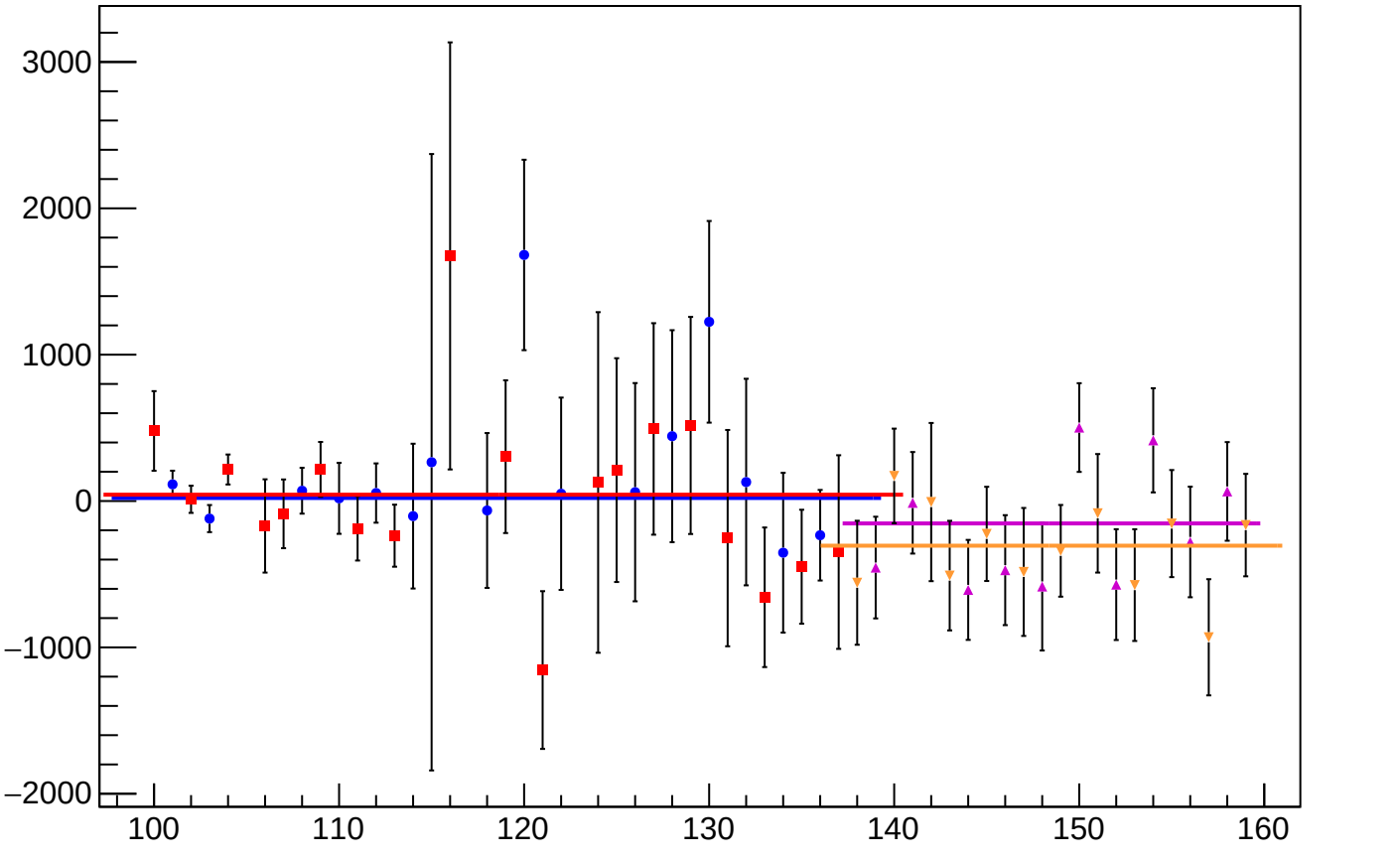
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 64.640+/-0.016 χ^2/NDF:86549.1/9

+ sign 62.168+/-0.011 χ^2/NDF: 458390.7/27

All: 61.602+/-0.008 χ^2/NDF: 1003055.4/56

- sign 61.032+/-0.011 χ^2/NDF: 539208.2/28



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -305.164+/-108.017 χ^2/NDF:7.0/11

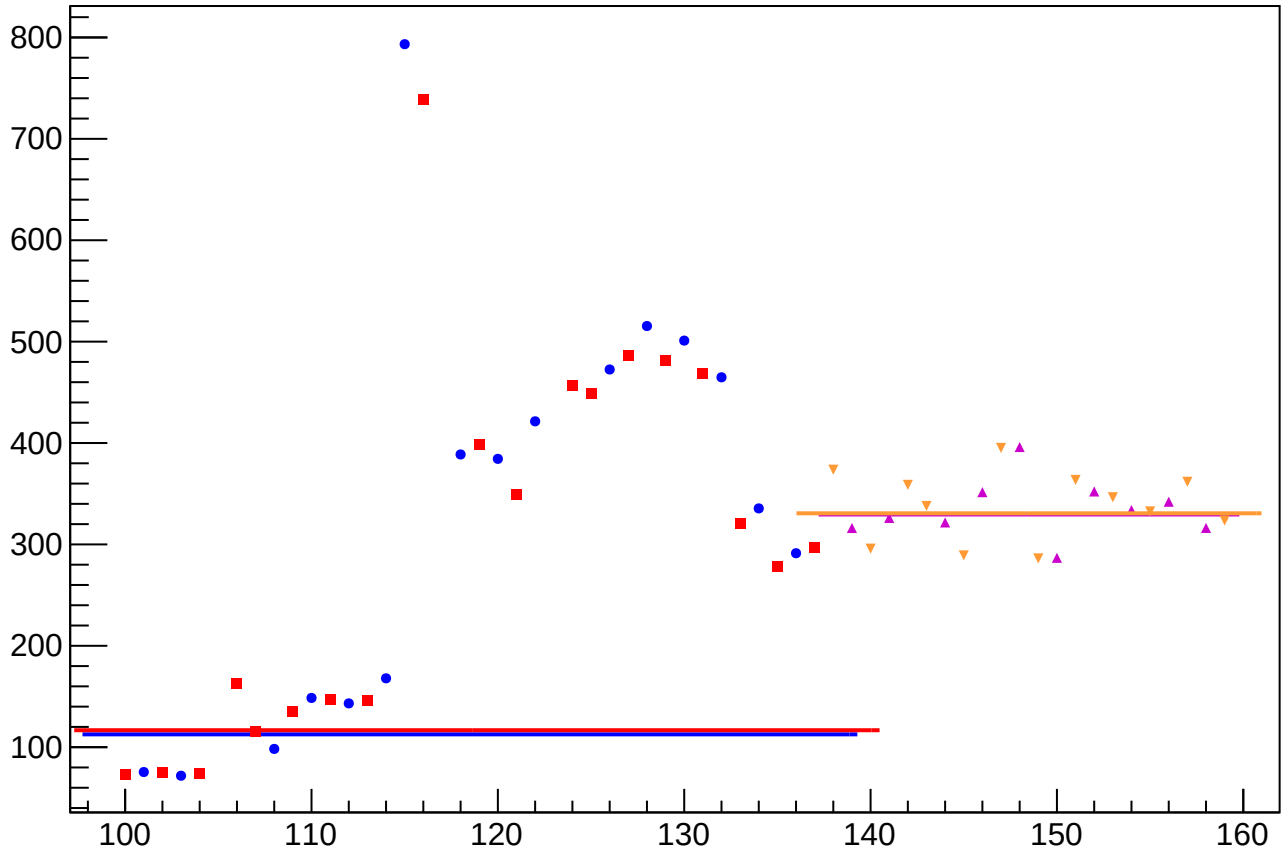
Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: -153.021+/-112.474 χ^2/NDF:13.4/9

+ sign -43.544+/-48.003 χ^2/NDF: 28.9/27

All: -18.140+/-33.977 χ^2/NDF: 66.8/56

- sign 7.365+/-48.099 χ^2/NDF: 37.3/28



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

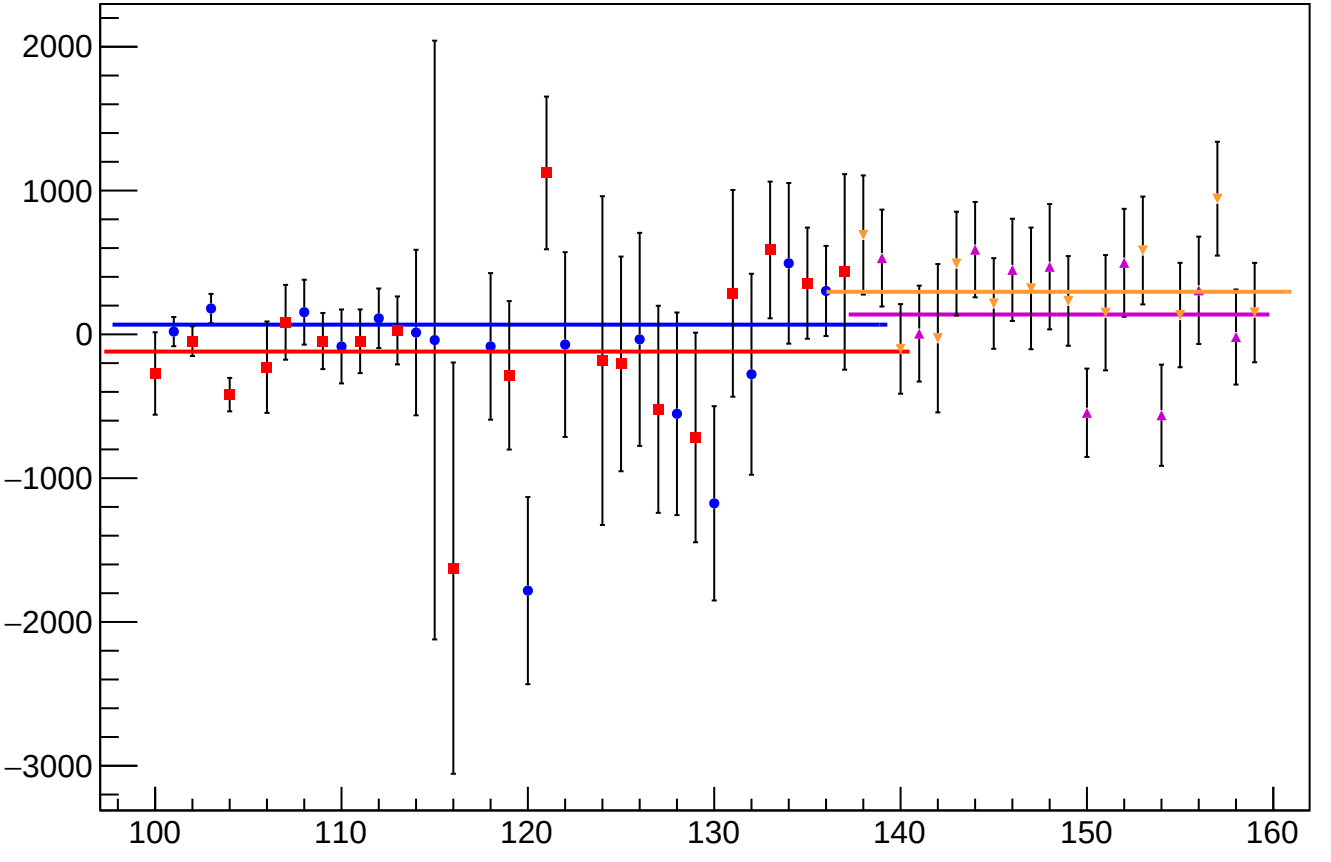
Left In: 329.497+/-0.080 χ^2/NDF:109966.5/9

+ sign 155.724+/-0.034 χ^2/NDF: 12334712.7/27

All: 155.684+/-0.024 χ^2/NDF: 23434133.4/56

- sign 155.643+/-0.034 χ^2/NDF: 11099417.8/28

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

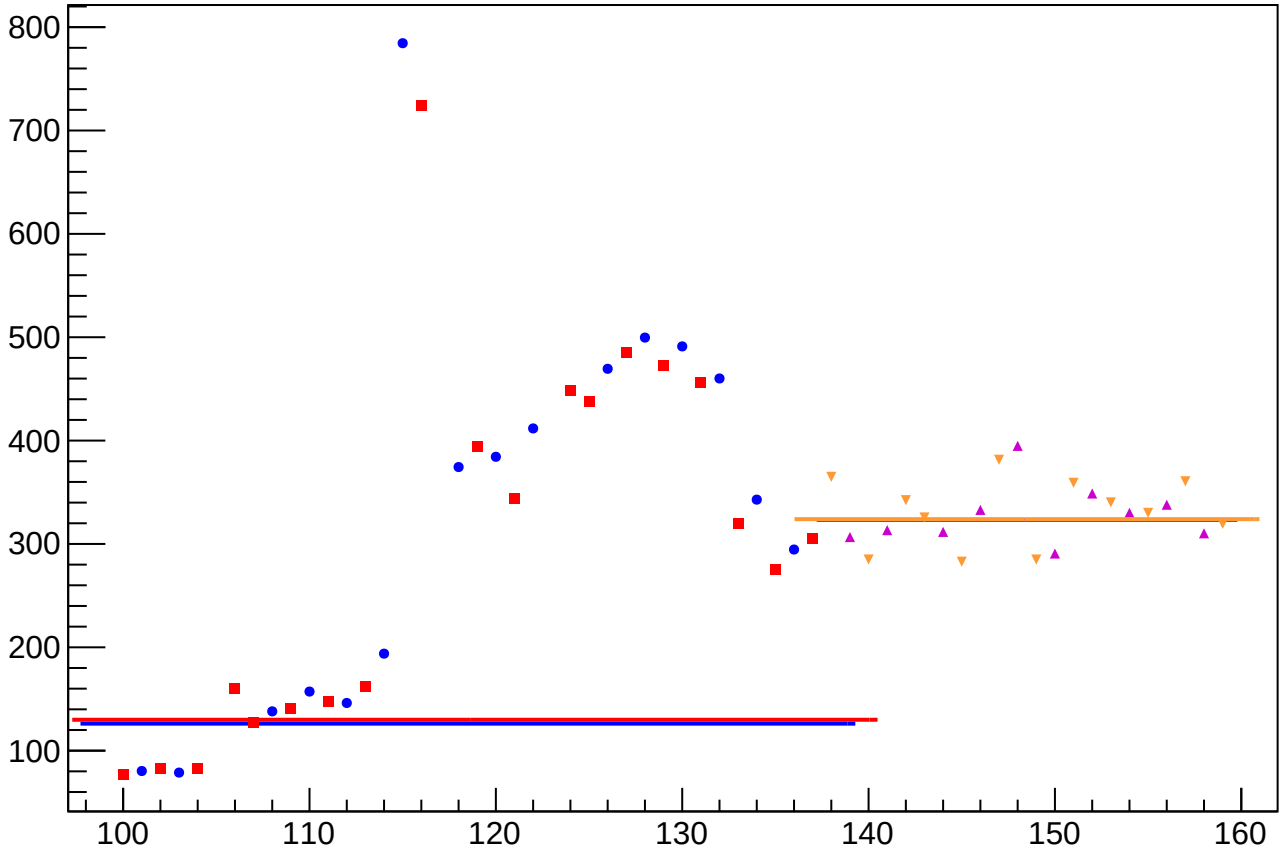
Left In: 138.164+/-110.314 χ^2/NDF:15.0/9

+ sign 121.966+/-51.653 χ^2/NDF: 26.4/27

All: 28.392+/-36.397 χ^2/NDF: 73.3/56

- sign -63.892+/-51.296 χ^2/NDF: 40.4/28

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

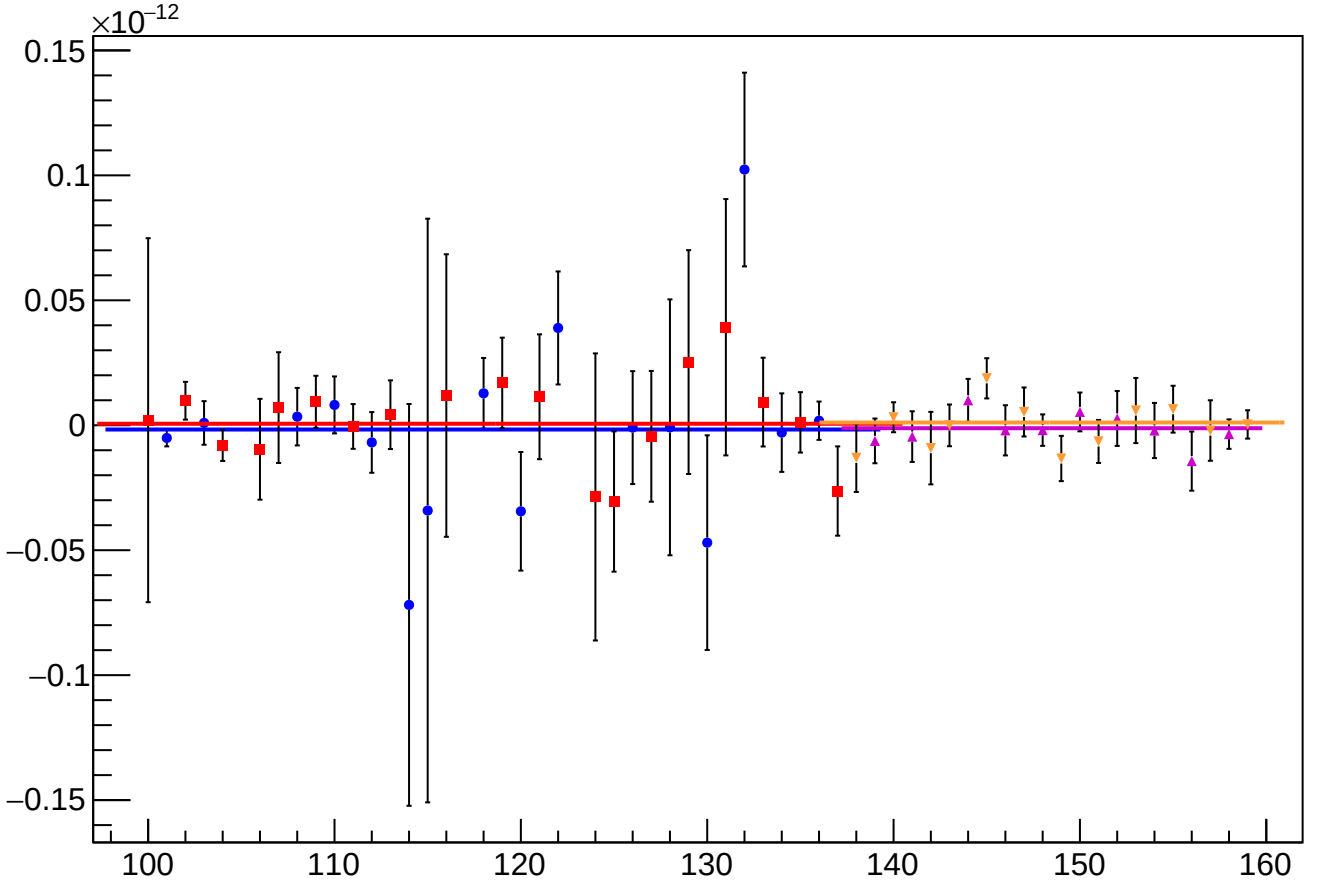
Left In: 323.180+/-0.078 χ^2/NDF:103196.4/9

+ sign 173.220+/-0.037 χ^2/NDF: 10732379.0/27

All: 172.457+/-0.026 χ^2/NDF: 20295507.5/56

- sign 171.703+/-0.036 χ^2/NDF: 9562260.5/28

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

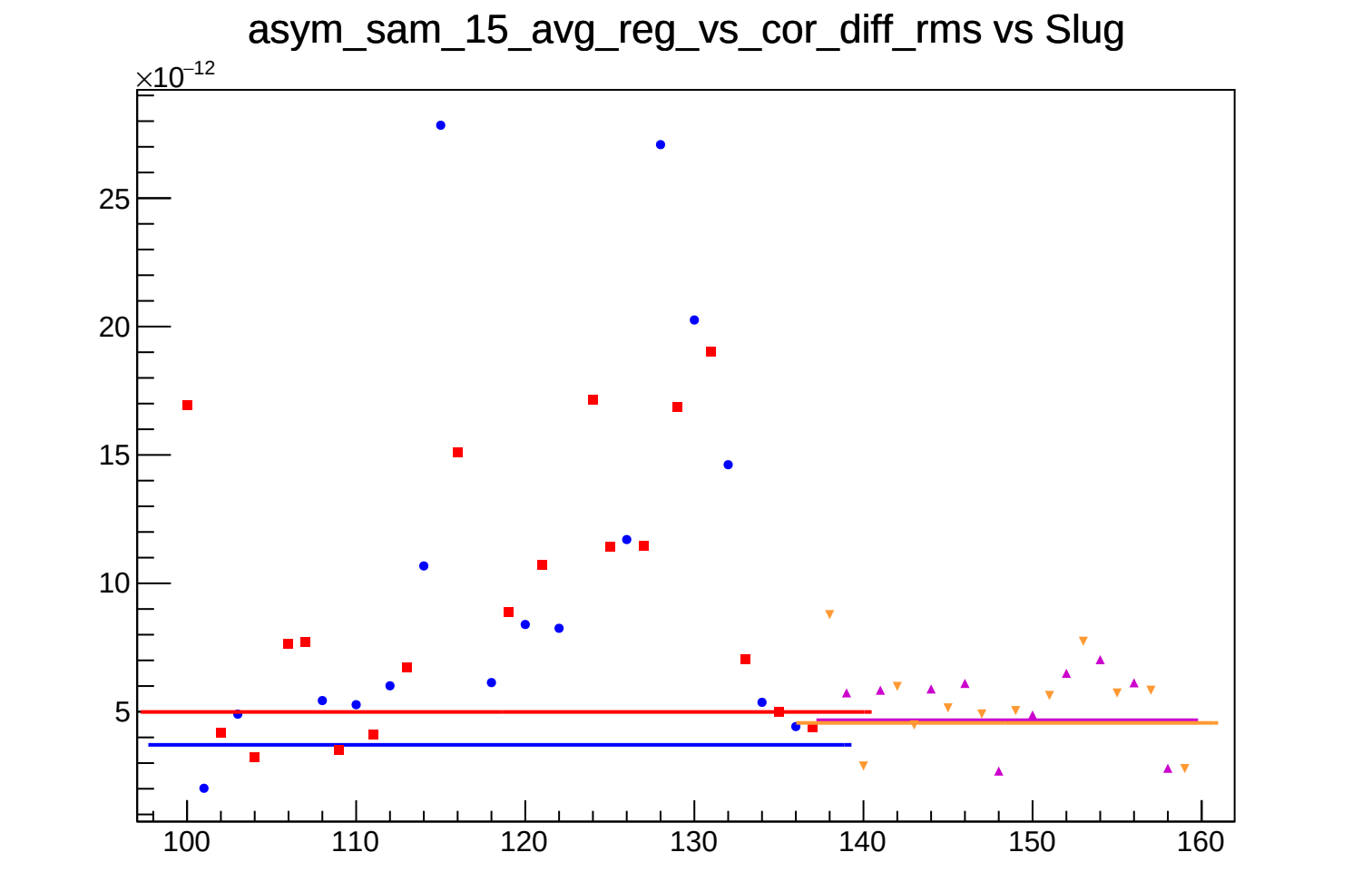
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/9

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

All: -0.000+/-0.000 χ^2/NDF: 44.1/56

- sign -0.000+/-0.000 χ^2/NDF: 15.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:783920.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

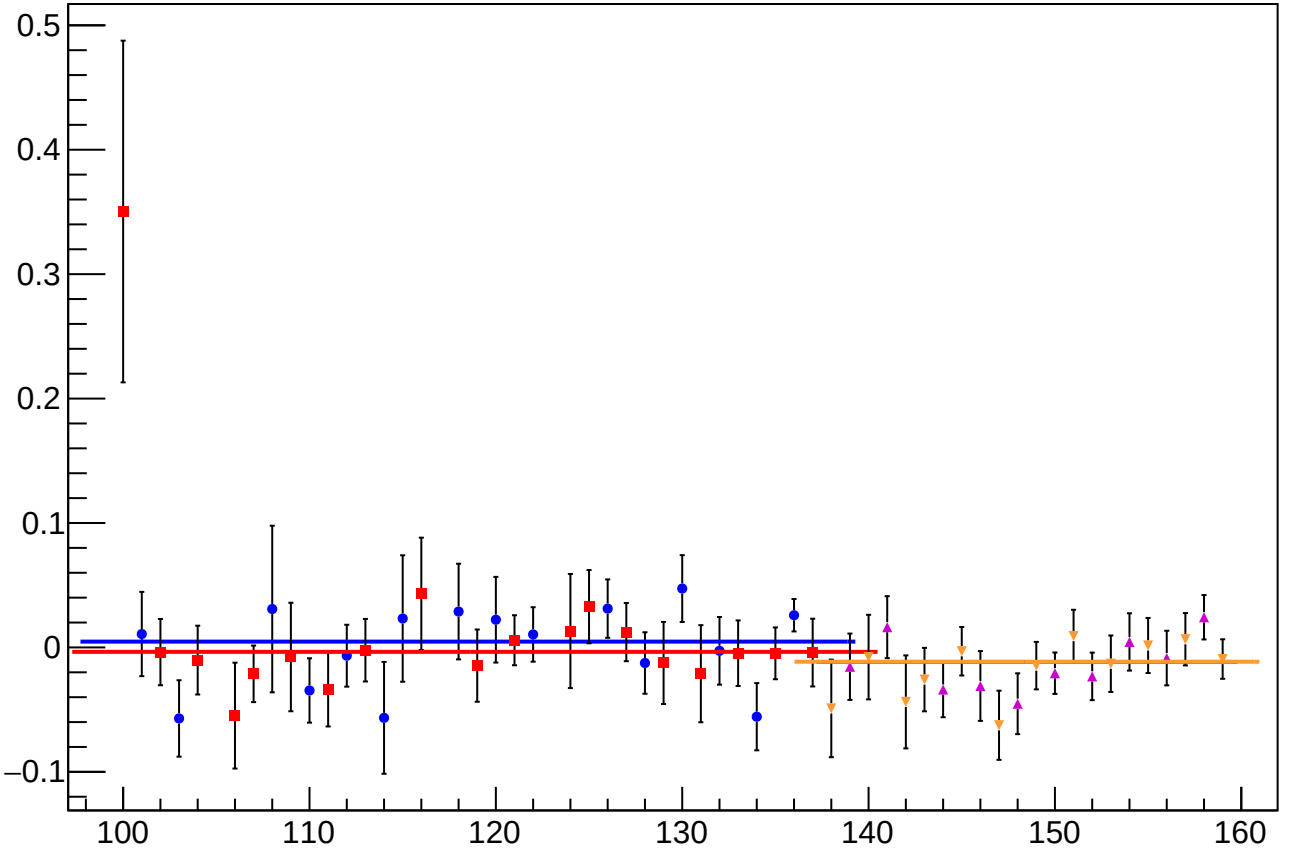
Left In: 0.000+/-0.000 χ^2/NDF:713465.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 3071188.6/27

All: 0.000+/-0.000 χ^2/NDF: 5209851.1/56

- sign 0.000+/-0.000 χ^2/NDF: 2020723.5/28

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

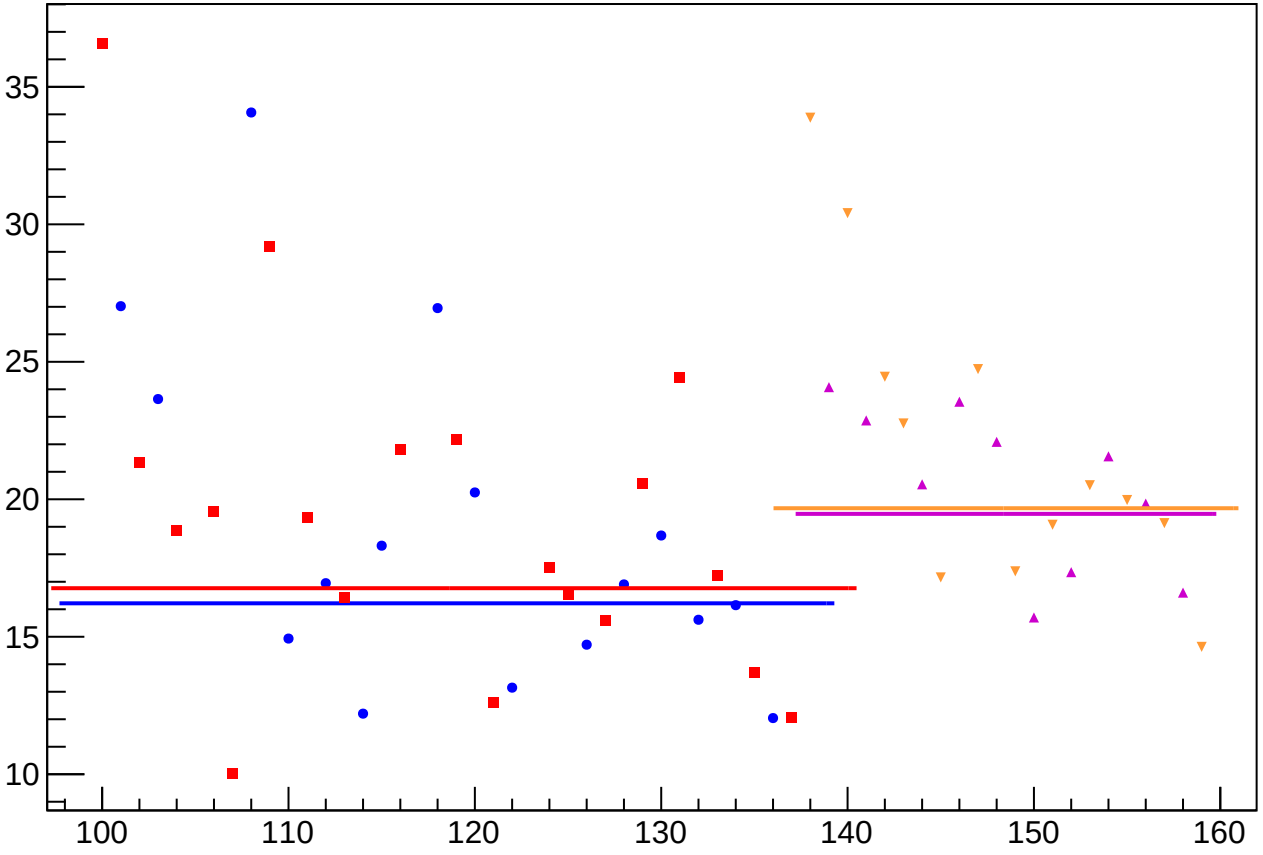
Left In: -0.012+/-0.007 χ^2/NDF:9.9/9

+ sign -0.003+/-0.005 χ^2/NDF: 32.1/27

All: -0.005+/-0.003 χ^2/NDF: 56.7/56

- sign -0.007+/-0.005 χ^2/NDF: 24.2/28

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

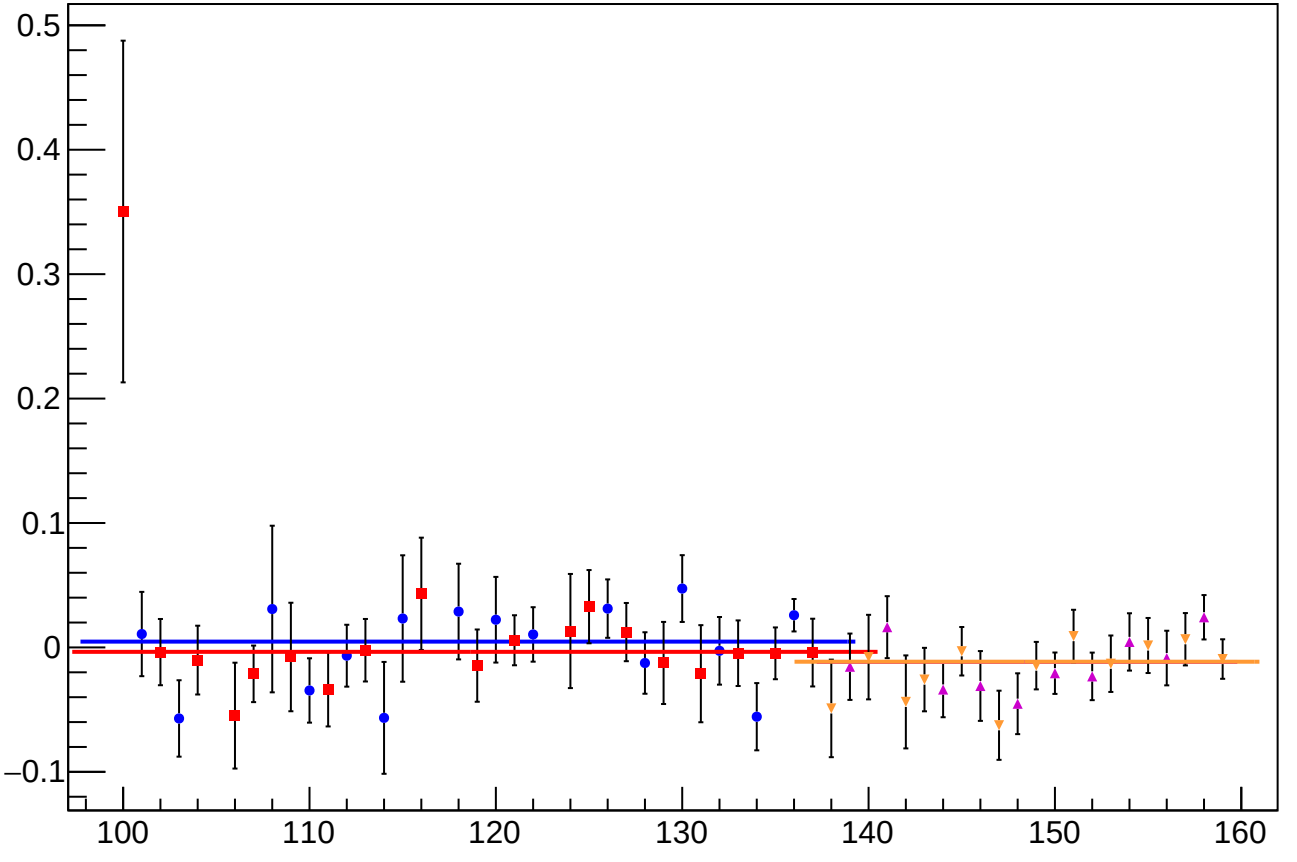
Left In: 19.470+/-0.005 χ^2/NDF:362806.8/9

+ sign 17.934+/-0.003 χ^2/NDF: 2079603.7/27

All: 18.004+/-0.002 χ^2/NDF: 3471461.2/56

- sign 18.077+/-0.003 χ^2/NDF: 1390934.1/28

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.011+/-0.007 χ^2/NDF:7.6/11

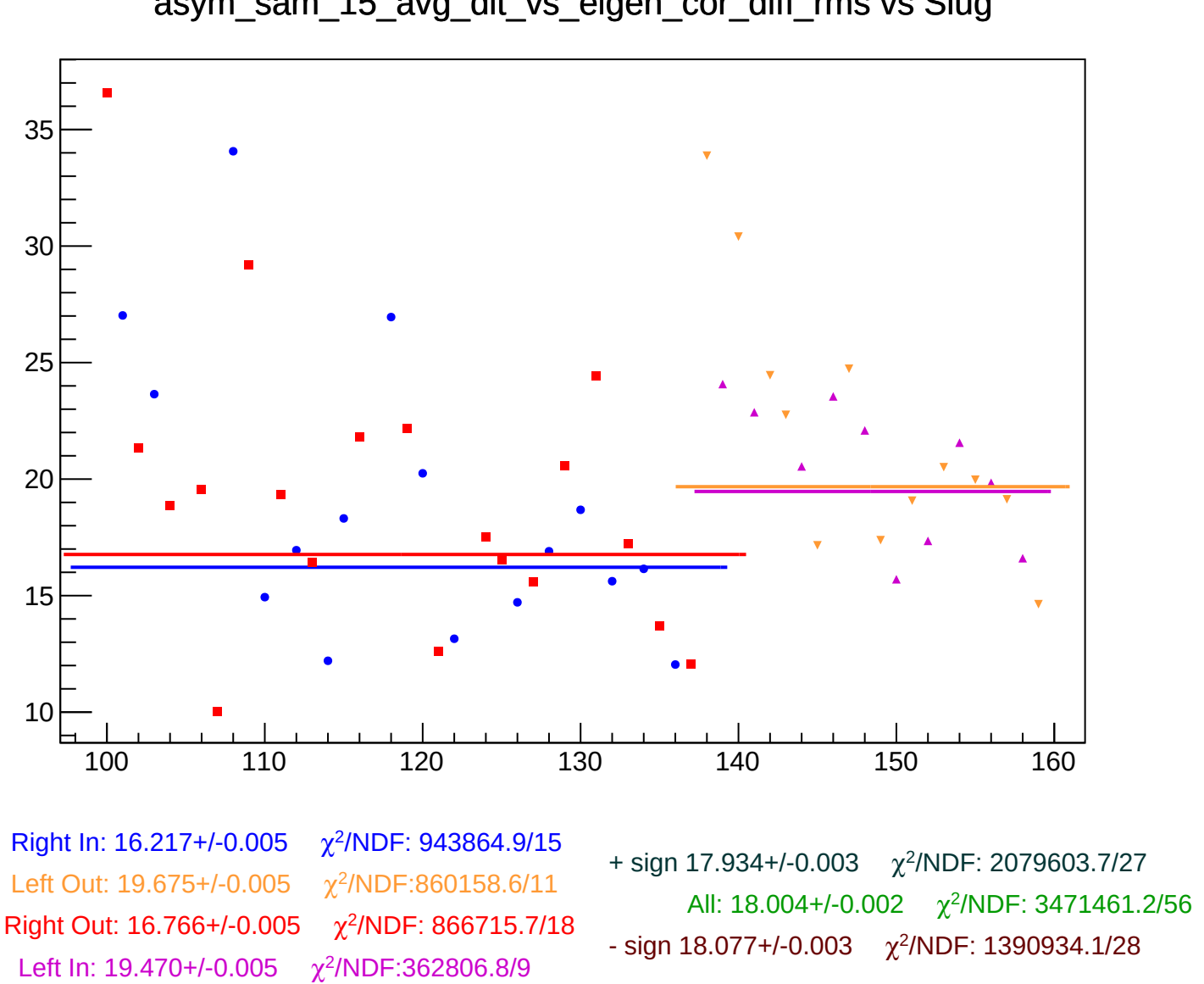
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

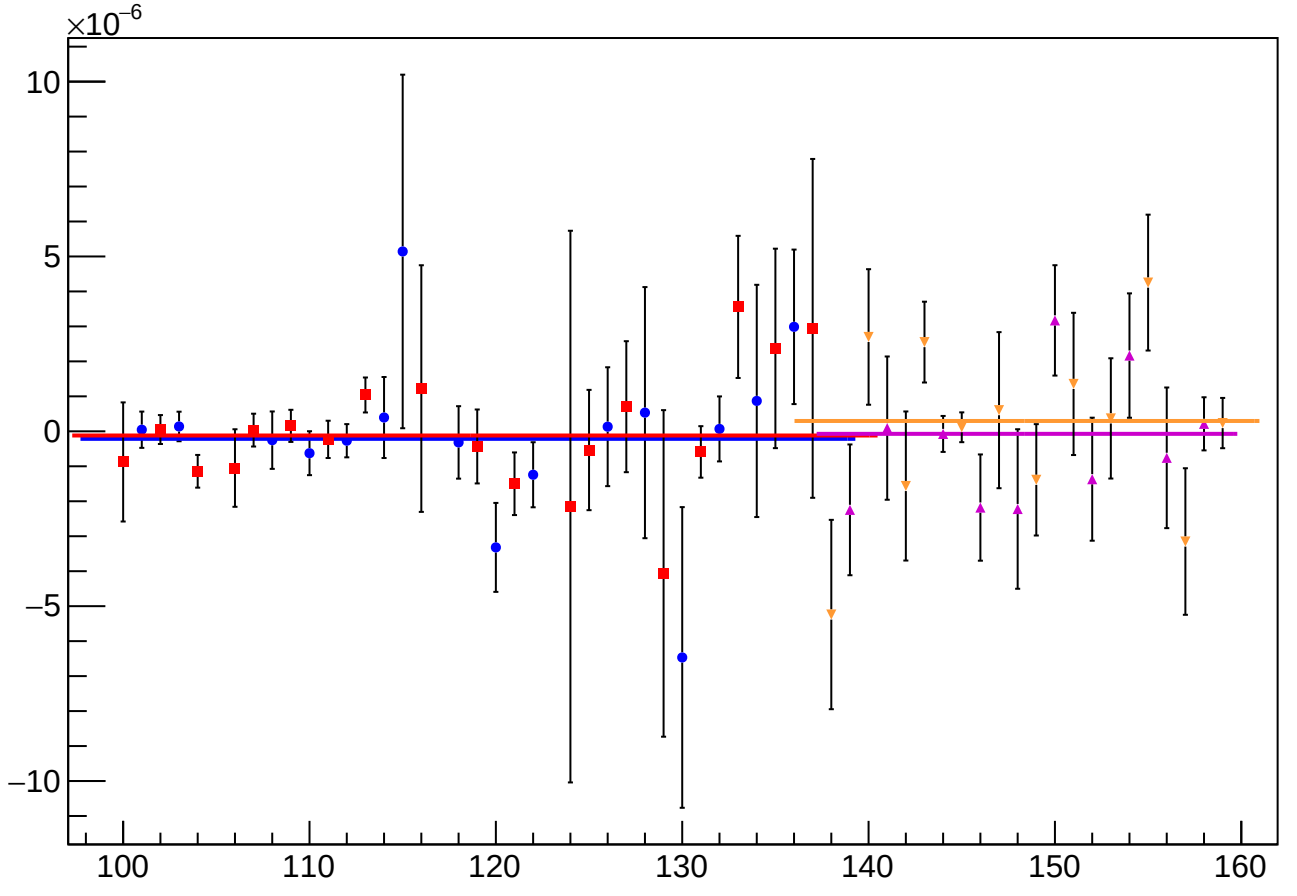
Left In: -0.012+/-0.007 χ^2/NDF:9.9/9

+ sign -0.003+/-0.005 χ^2/NDF: 32.1/27

All: -0.005+/-0.003 χ^2/NDF: 56.7/56

- sign -0.007+/-0.005 χ^2/NDF: 24.2/28


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug
35
30
25
20
15
10
100
110
120
130
140
150
160
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 19.675+/-0.005 χ²/NDF:860158.6/11
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 19.470+/-0.005 χ²/NDF:362806.8/9
+ sign 17.934+/-0.003 χ²/NDF: 2079603.7/27
All: 18.004+/-0.002 χ²/NDF: 3471461.2/56
- sign 18.077+/-0.003 χ²/NDF: 1390934.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/11

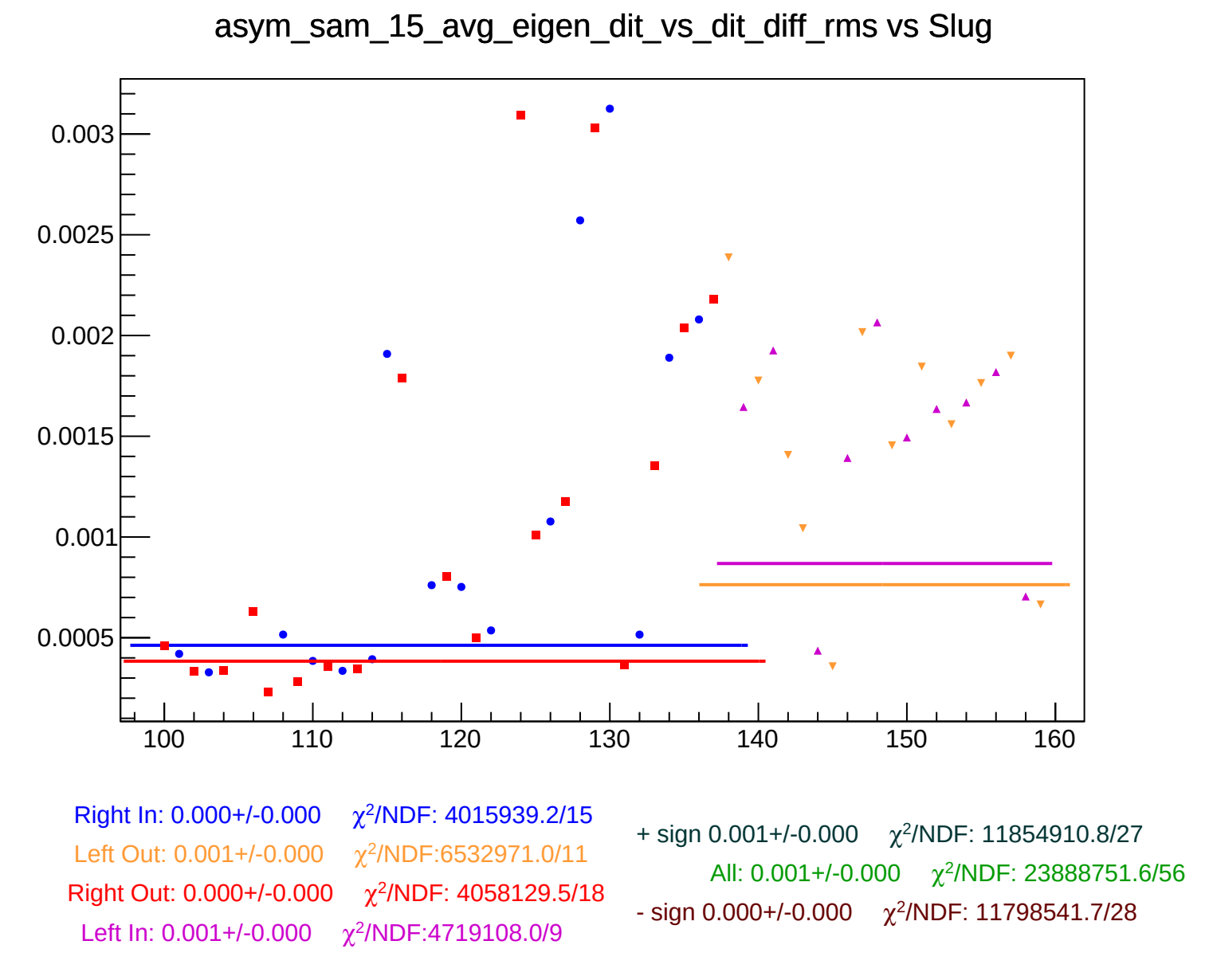
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

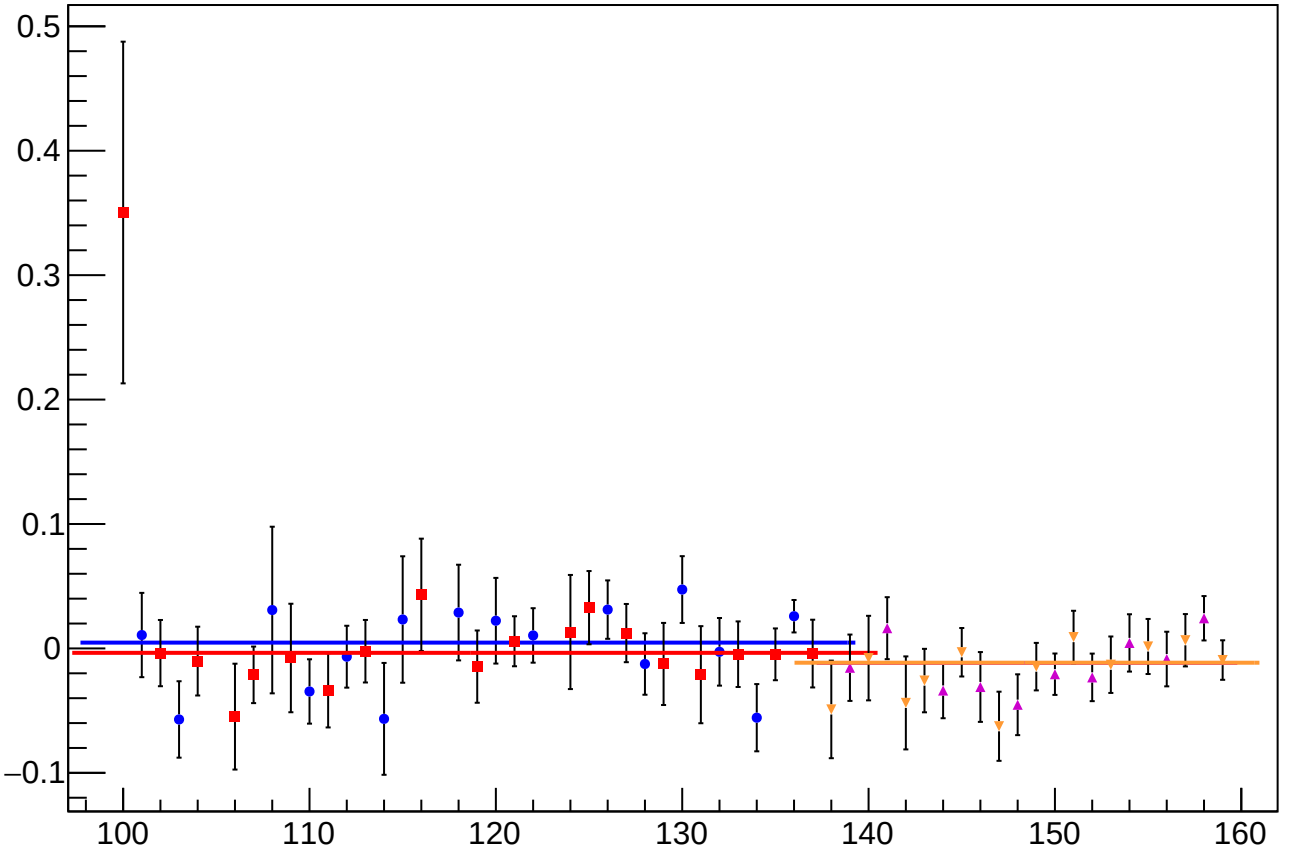
Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.1/27

All: -0.000+/-0.000 χ^2/NDF: 66.2/56

- sign -0.000+/-0.000 χ^2/NDF: 31.0/28


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:4719108.0/9
+ sign 0.001+/-0.000 χ²/NDF: 11854910.8/27
All: 0.001+/-0.000 χ²/NDF: 23888751.6/56
- sign 0.000+/-0.000 χ²/NDF: 11798541.7/28



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.011+/-0.007 χ^2/NDF:7.6/11

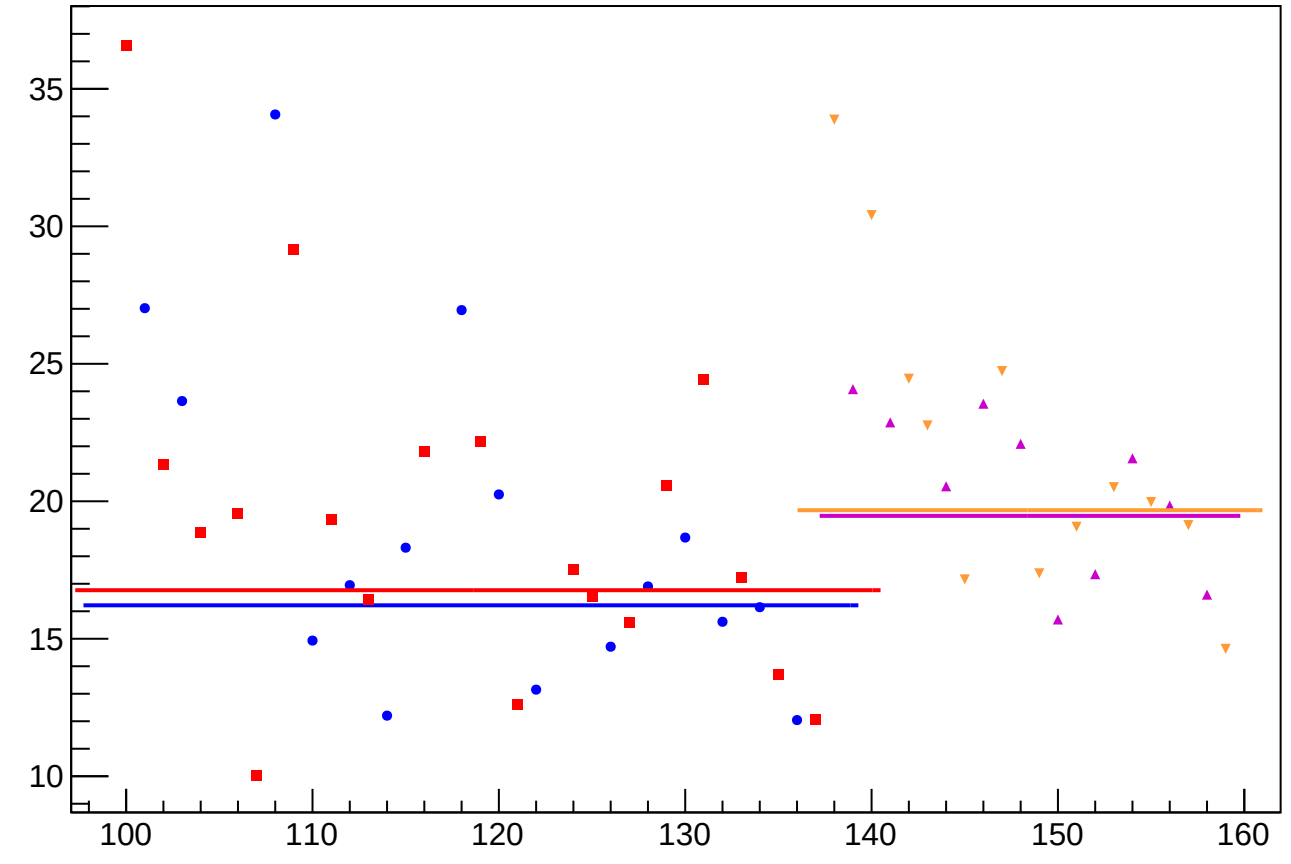
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.012+/-0.007 χ^2/NDF:9.9/9

+ sign -0.003+/-0.005 χ^2/NDF: 32.1/27

All: -0.005+/-0.003 χ^2/NDF: 56.7/56

- sign -0.007+/-0.005 χ^2/NDF: 24.2/28



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.675+/-0.005 χ^2/NDF:860259.1/11

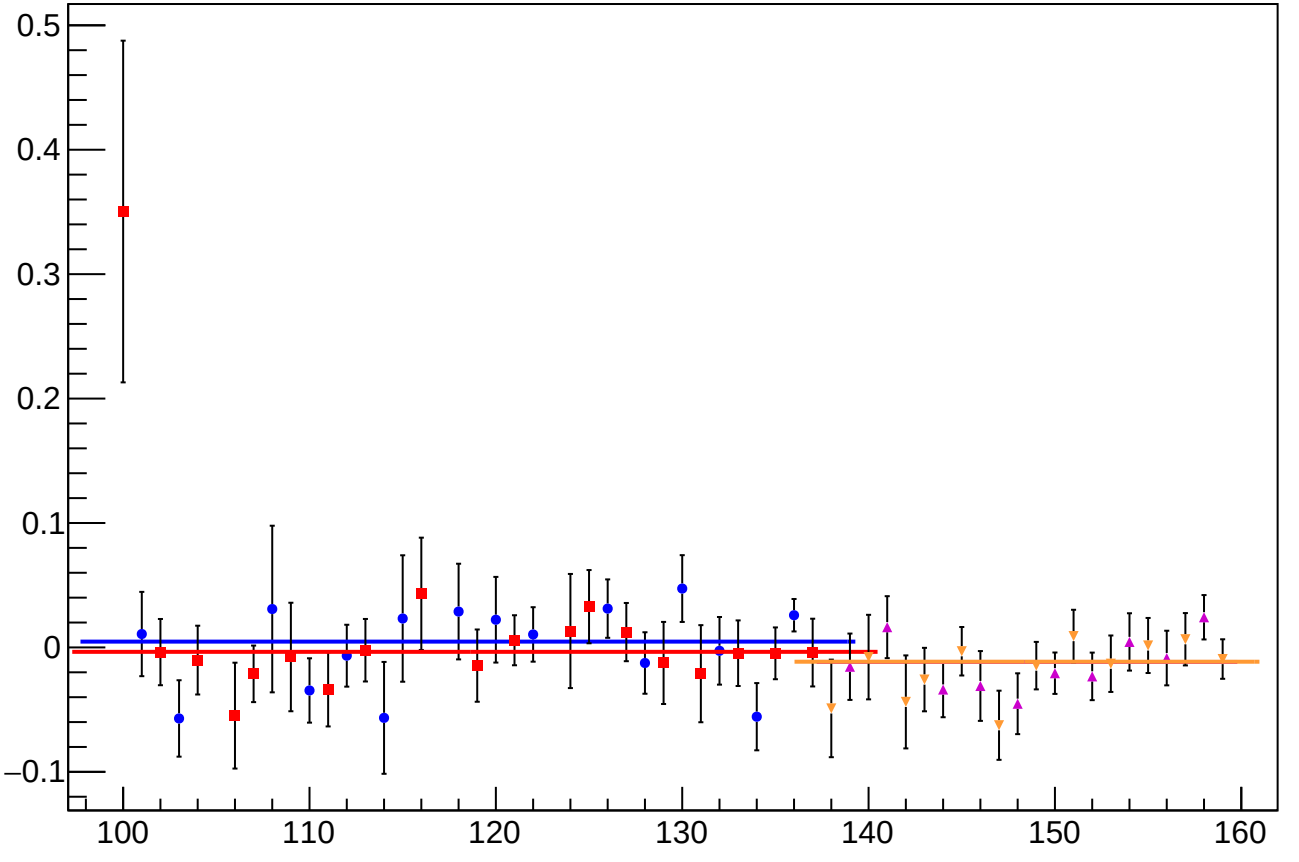
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.470+/-0.005 χ^2/NDF:362910.1/9

\+ sign 17.934+/-0.003 χ^2/NDF: 2079704.6/27

All: 18.004+/-0.002 χ^2/NDF: 3471687.5/56

\- sign 18.077+/-0.003 χ^2/NDF: 1391059.6/28



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.011+/-0.007 χ^2/NDF:7.6/11

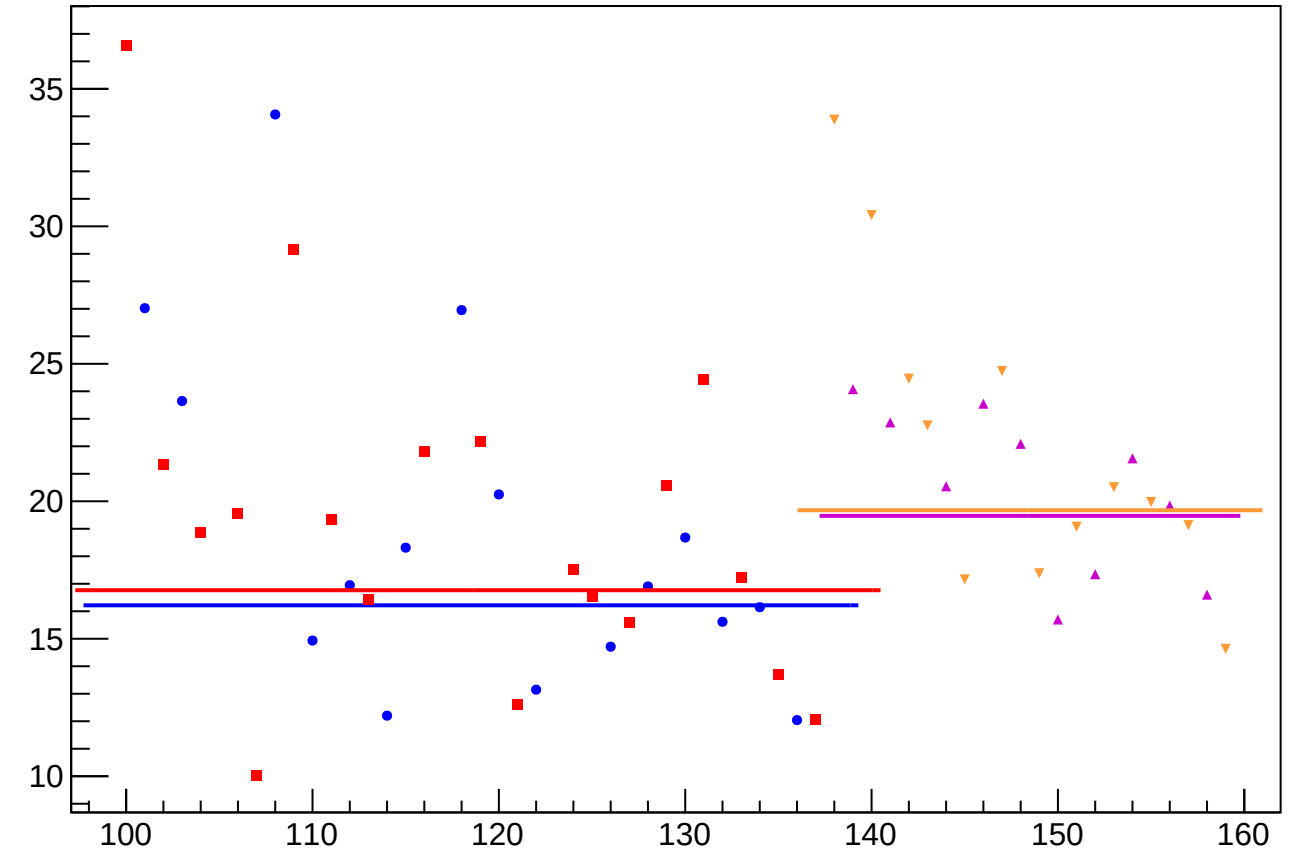
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.012+/-0.007 χ^2/NDF:9.9/9

+ sign -0.003+/-0.005 χ^2/NDF: 32.1/27

All: -0.005+/-0.003 χ^2/NDF: 56.7/56

- sign -0.007+/-0.005 χ^2/NDF: 24.2/28



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.675+/-0.005 χ^2/NDF:860259.1/11

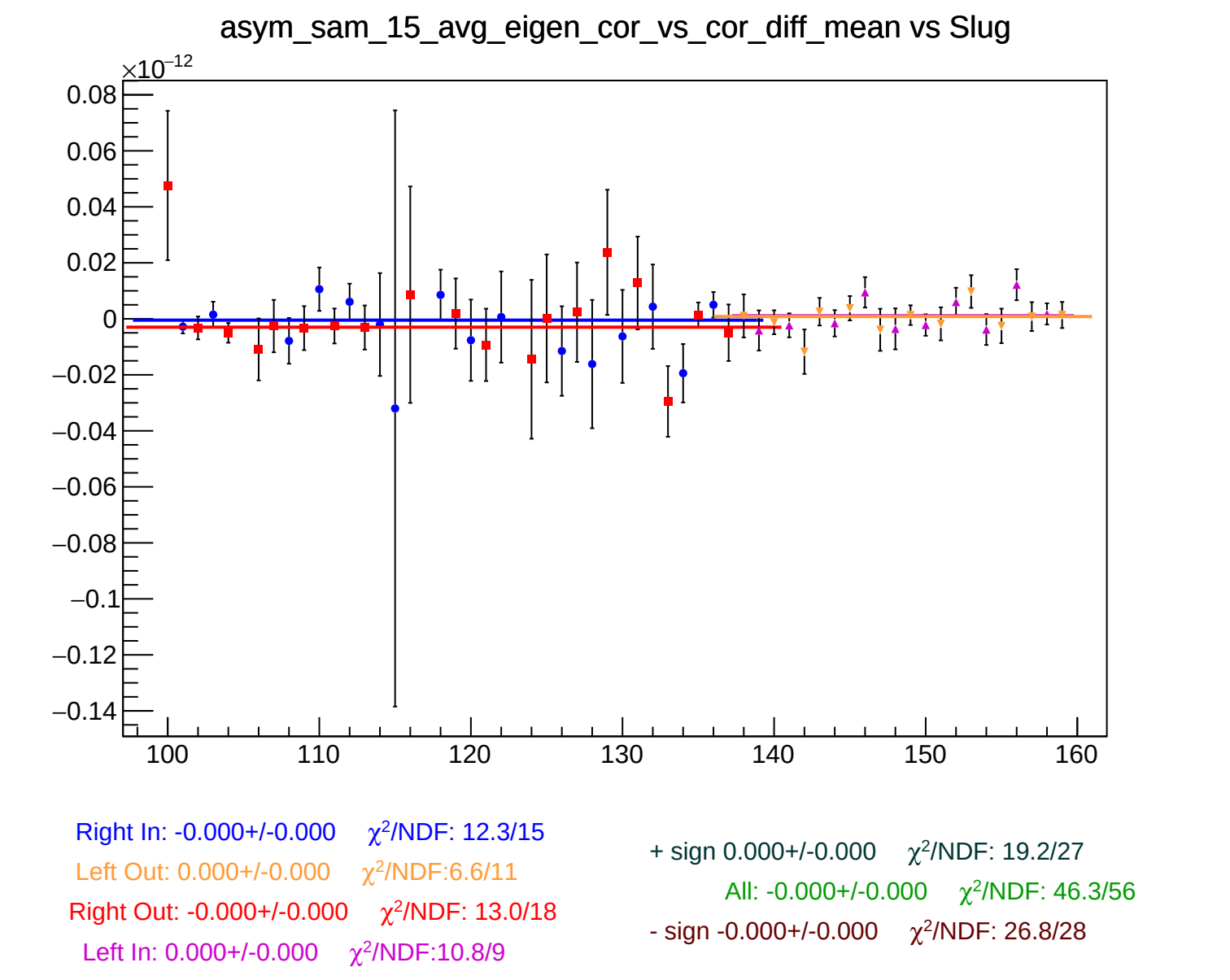
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

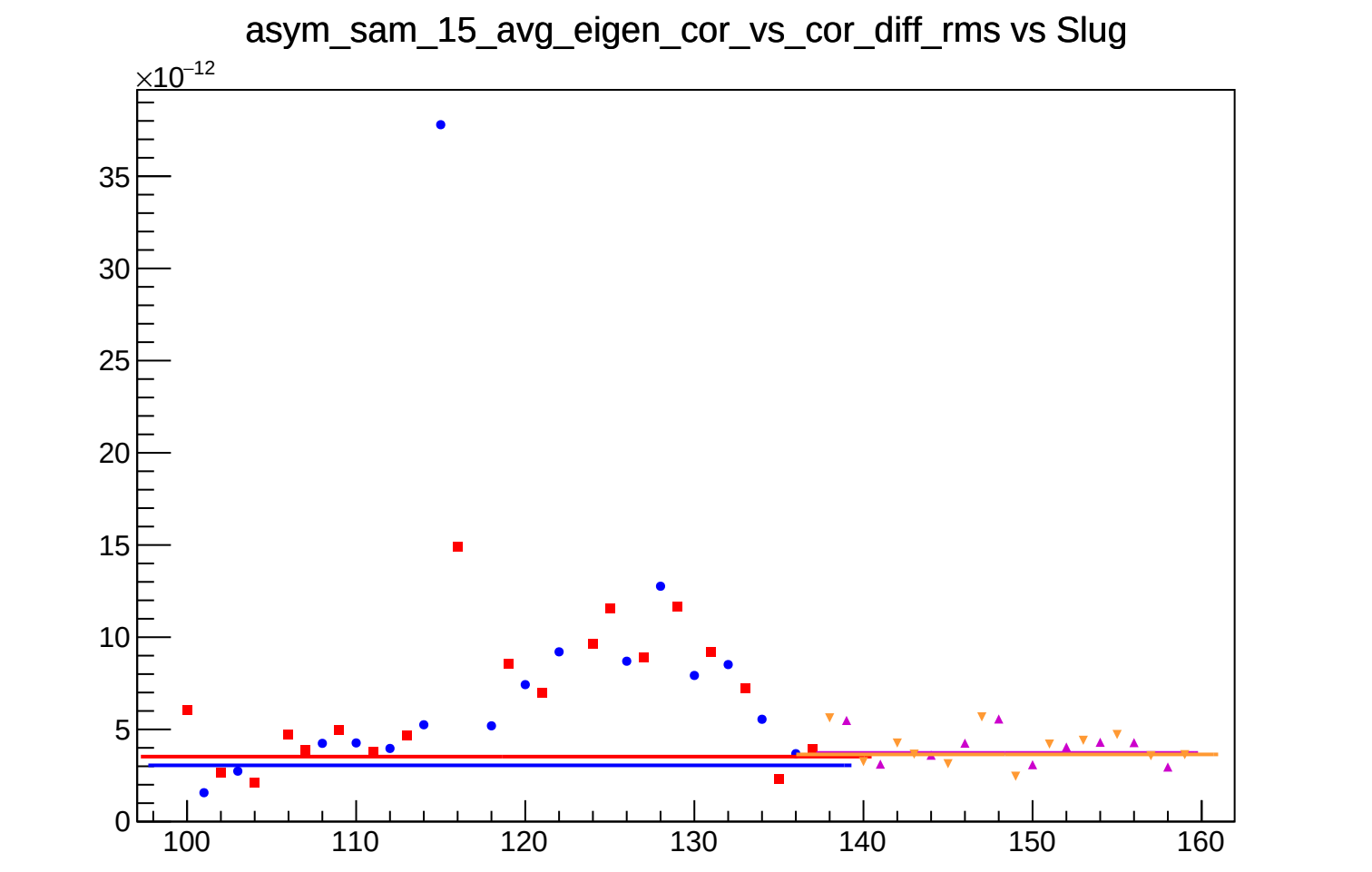
Left In: 19.470+/-0.005 χ^2/NDF:362910.1/9

+ sign 17.934+/-0.003 χ^2/NDF: 2079704.6/27

All: 18.004+/-0.002 χ^2/NDF: 3471687.5/56

- sign 18.077+/-0.003 χ^2/NDF: 1391059.6/28


asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/11
Right Out: -0.000+/-0.000 χ²/NDF: 13.0/18
Left In: 0.000+/-0.000 χ²/NDF:10.8/9
+ sign 0.000+/-0.000 χ²/NDF: 19.2/27
All: -0.000+/-0.000 χ²/NDF: 46.3/56
- sign -0.000+/-0.000 χ²/NDF: 26.8/28



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

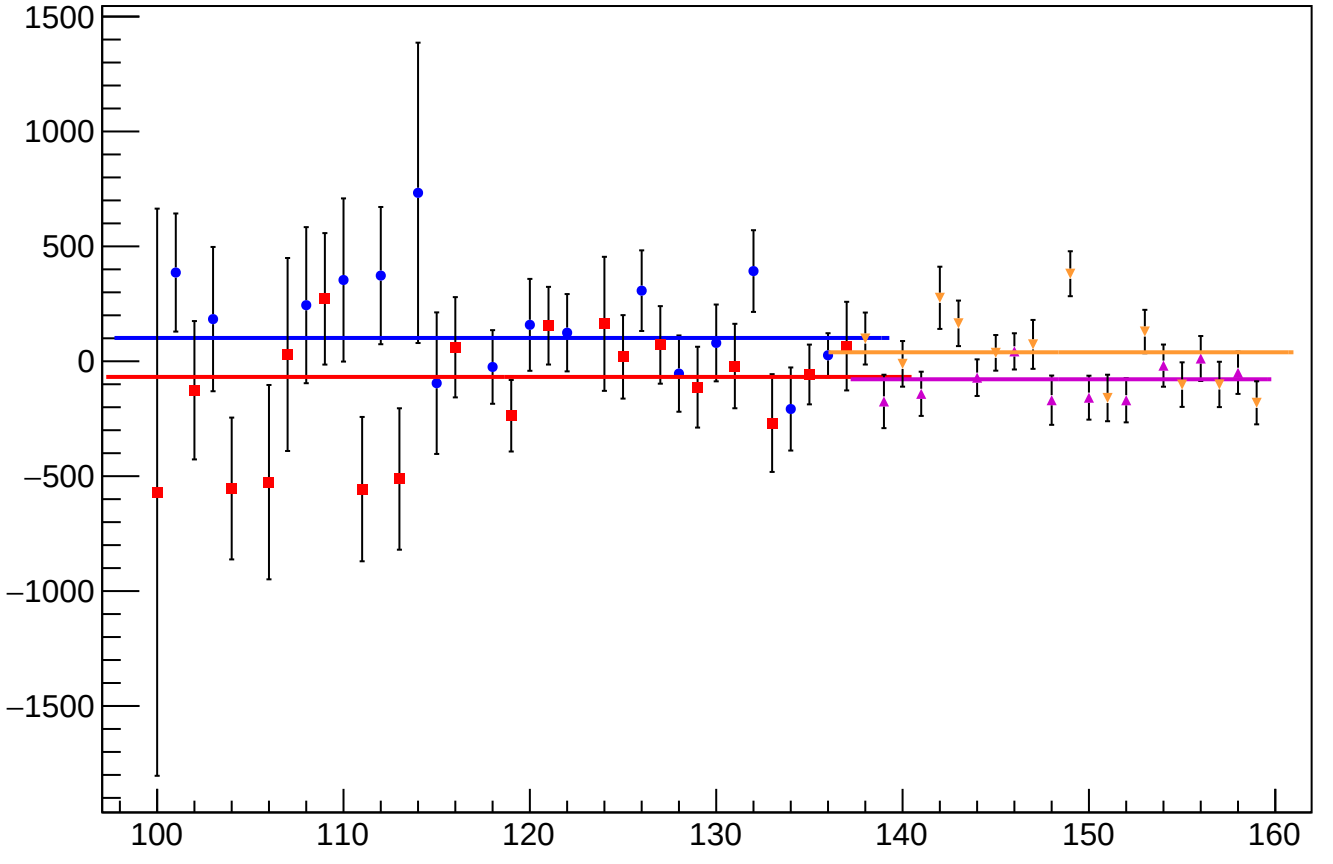
Left In: 0.000+/-0.000 χ^2/NDF:495836.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 3756359.8/27

All: 0.000+/-0.000 χ^2/NDF: 6879915.2/56

- sign 0.000+/-0.000 χ^2/NDF: 3069367.3/28

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

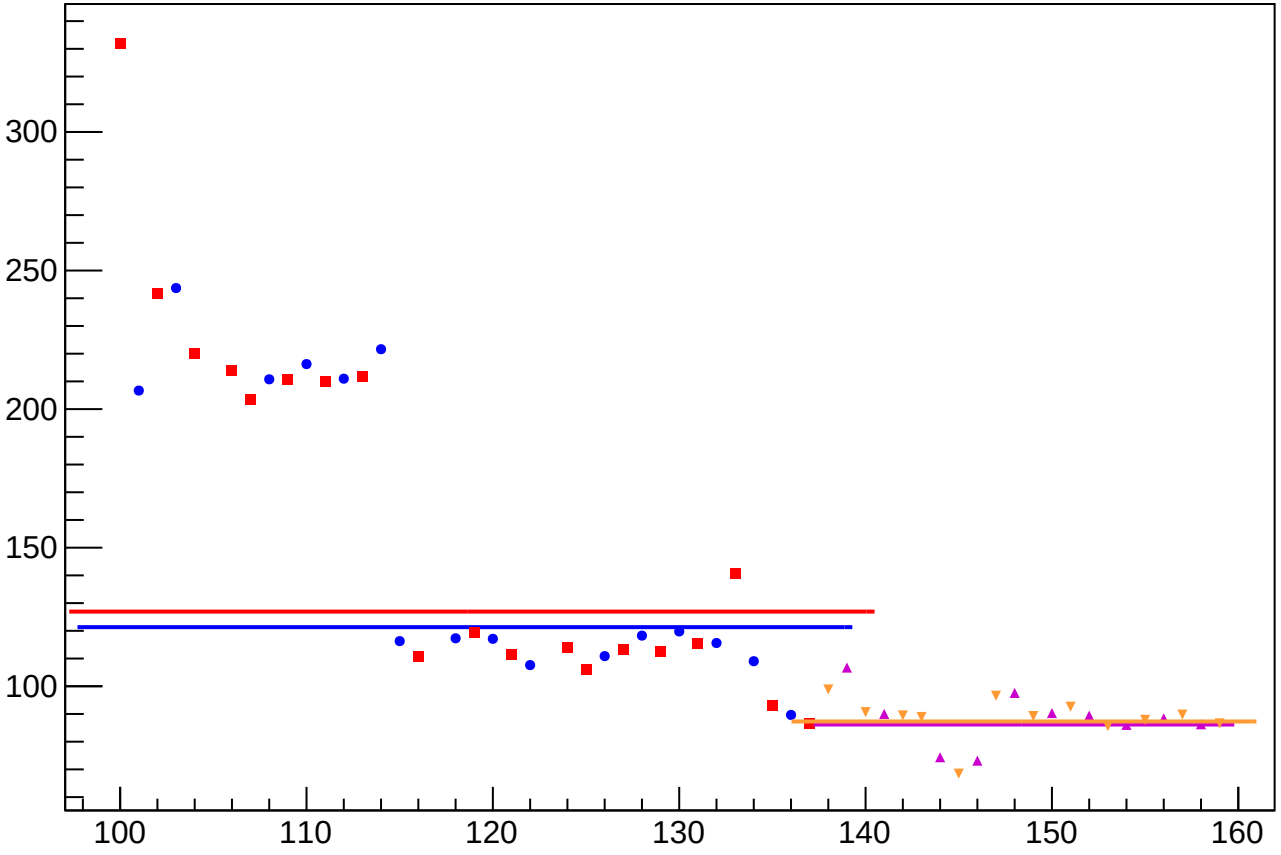
Left In: -78.321+/-29.538 χ^2/NDF:7.2/9

+ sign 55.597+/-24.477 χ^2/NDF: 46.6/27

All: -7.737+/-17.606 χ^2/NDF: 83.8/56

- sign -75.625+/-25.342 χ^2/NDF: 23.4/28

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

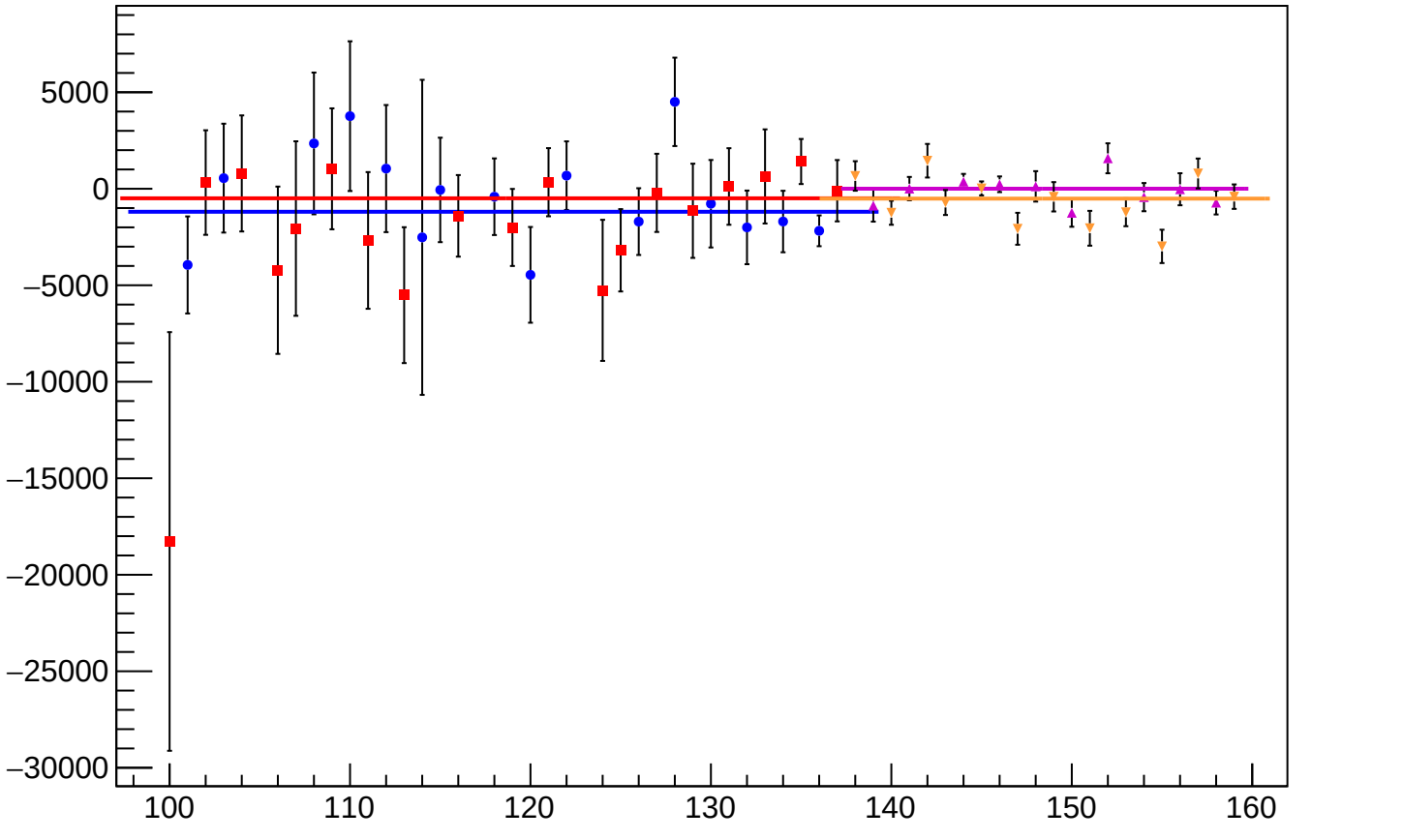
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

+ sign 96.277+/-0.017 χ^2/NDF: 2204030.1/27

All: 96.601+/-0.012 χ^2/NDF: 4875163.2/56

- sign 96.948+/-0.018 χ^2/NDF: 2670406.4/28



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

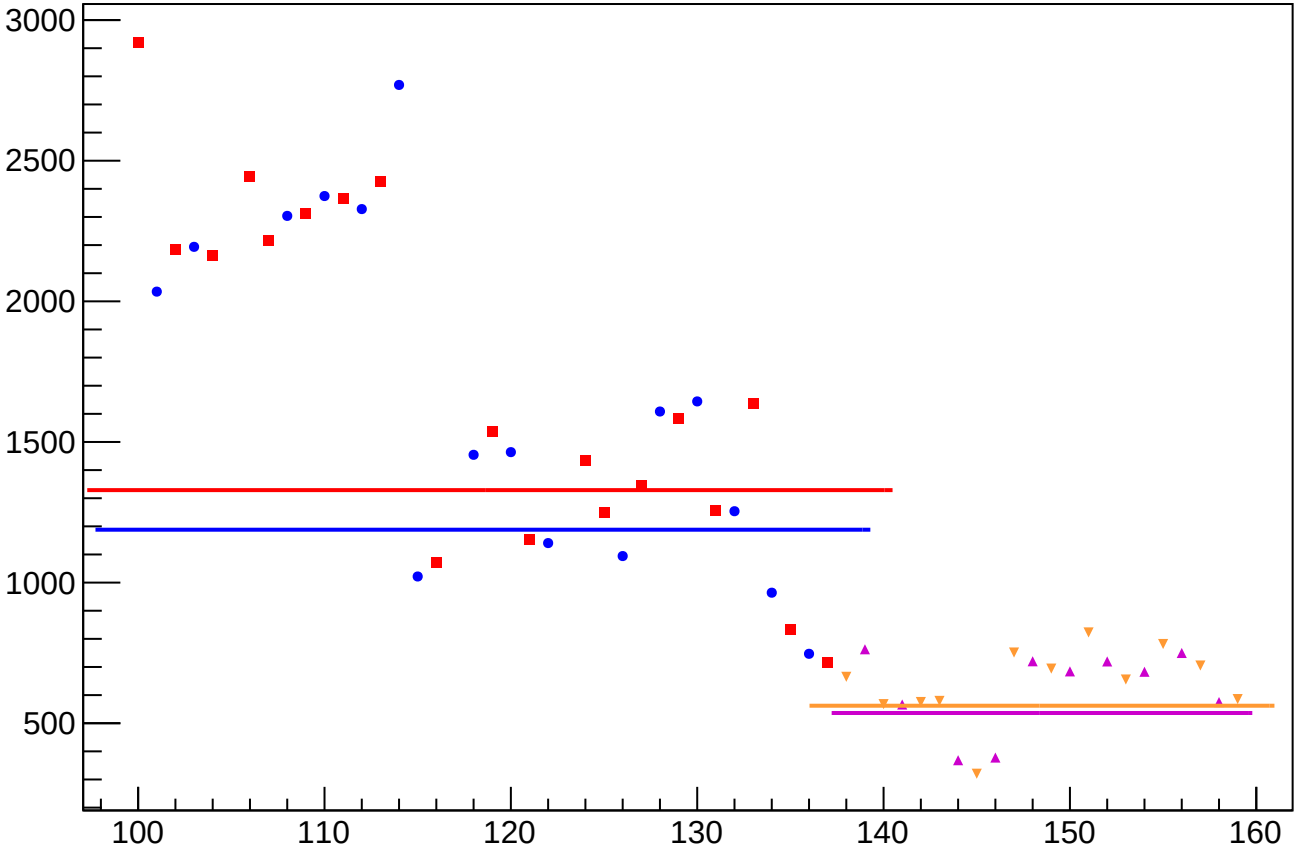
Left In: 2.310+/-190.764 χ^2/NDF:11.1/9

+ sign -604.298+/-177.246 χ^2/NDF: 47.2/27

All: -333.243+/-126.005 χ^2/NDF: 77.7/56

- sign -56.286+/-179.165 χ^2/NDF: 25.8/28

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

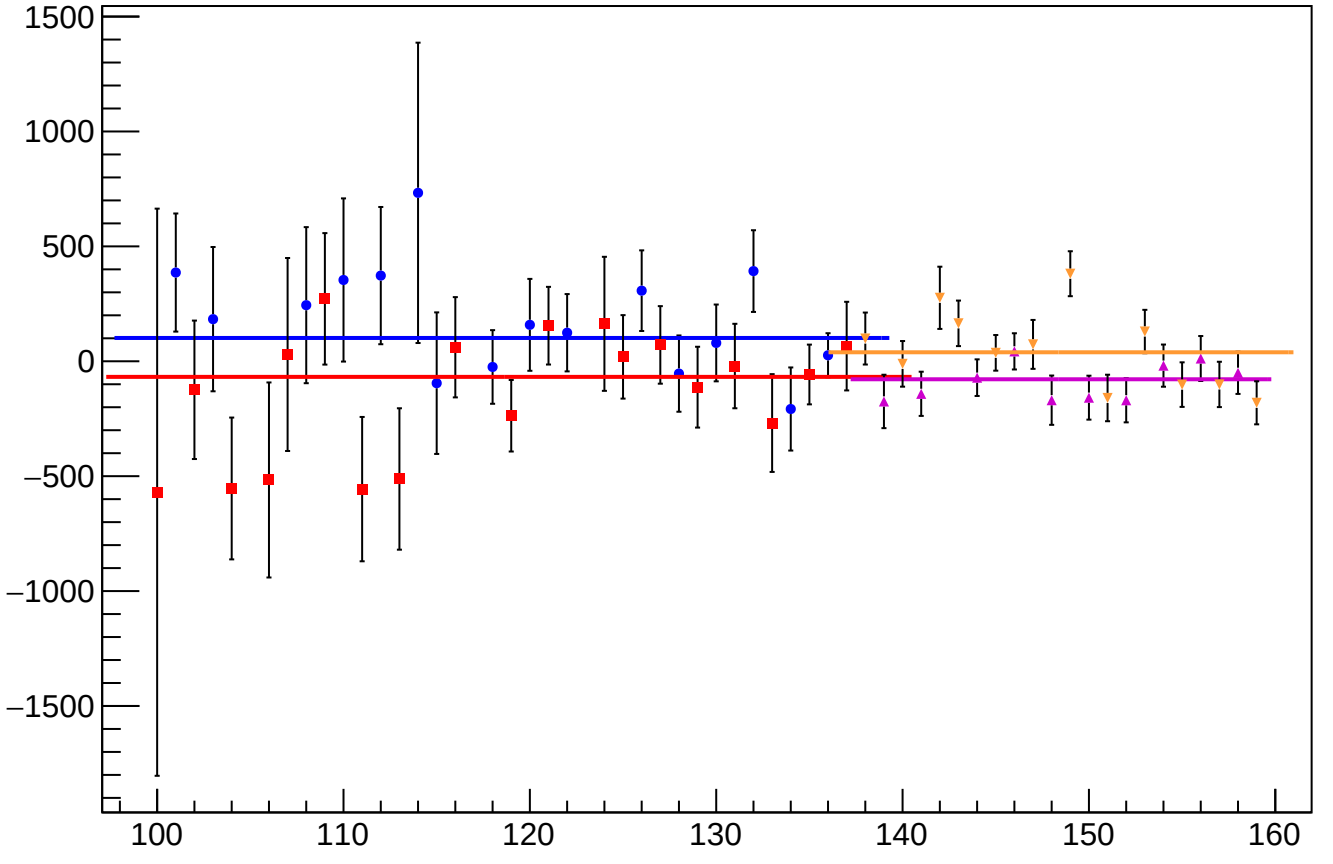
Left In: 536.407+/-0.135 χ^2/NDF:1326004.7/9

+ sign 647.989+/-0.125 χ^2/NDF: 6486402.2/27

All: 639.015+/-0.089 χ^2/NDF: 13849692.1/56

- sign 629.845+/-0.127 χ^2/NDF: 7352923.2/28

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

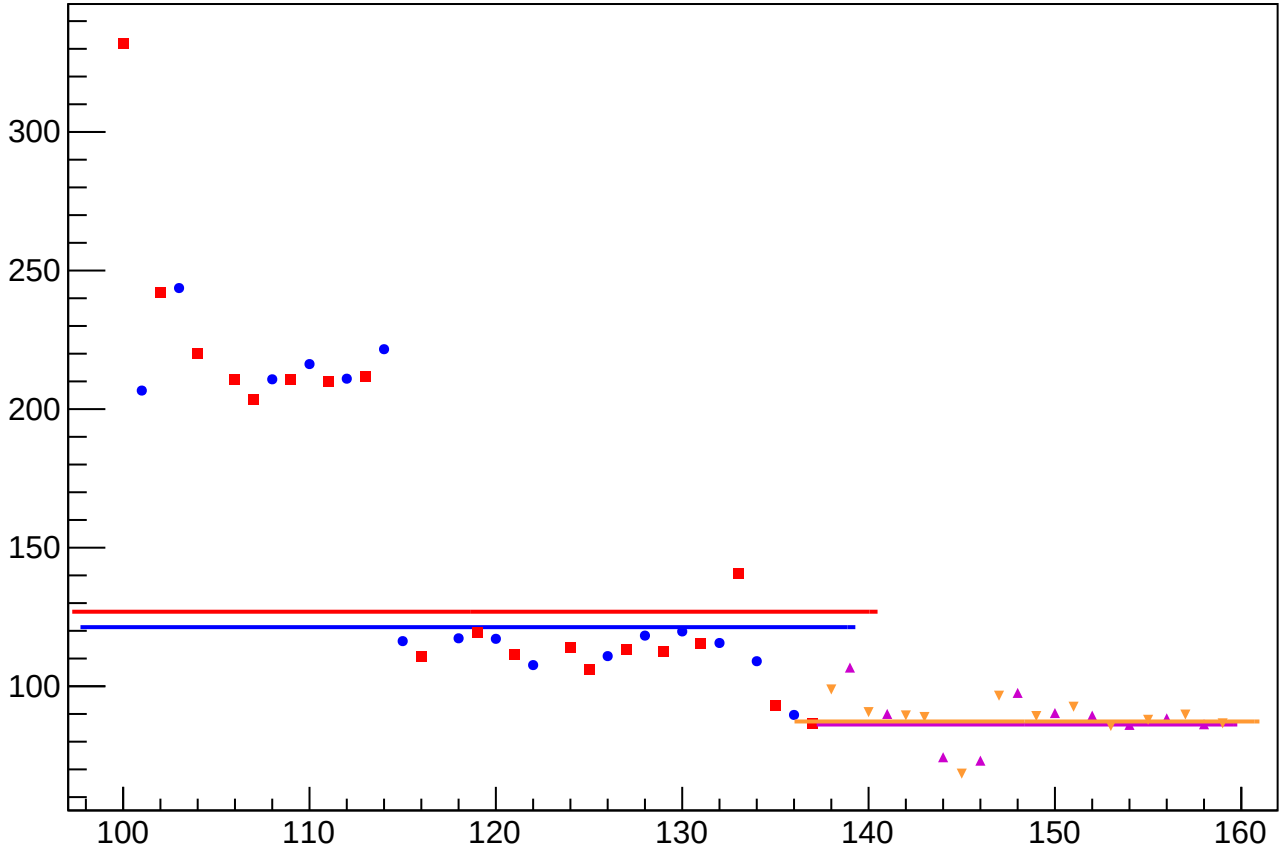
Left In: -78.323+/-29.538 χ^2/NDF:7.2/9

+ sign 55.598+/-24.477 χ^2/NDF: 46.6/27

All: -7.708+/-17.606 χ^2/NDF: 83.7/56

- sign -75.568+/-25.342 χ^2/NDF: 23.3/28

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

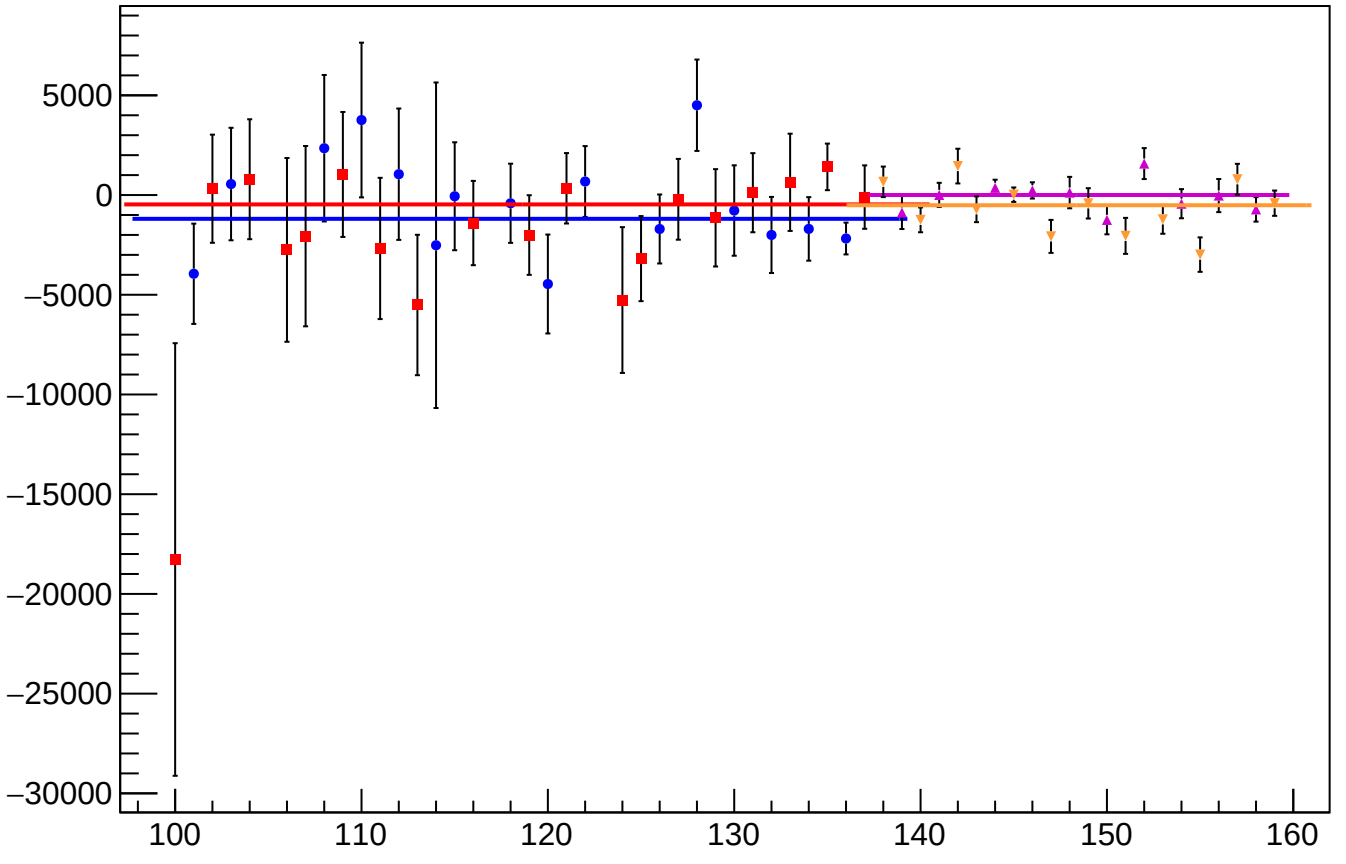
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

+ sign 96.277+/-0.017 χ^2/NDF: 2204032.4/27

All: 96.594+/-0.012 χ^2/NDF: 4866464.7/56

- sign 96.934+/-0.018 χ^2/NDF: 2661736.0/28



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

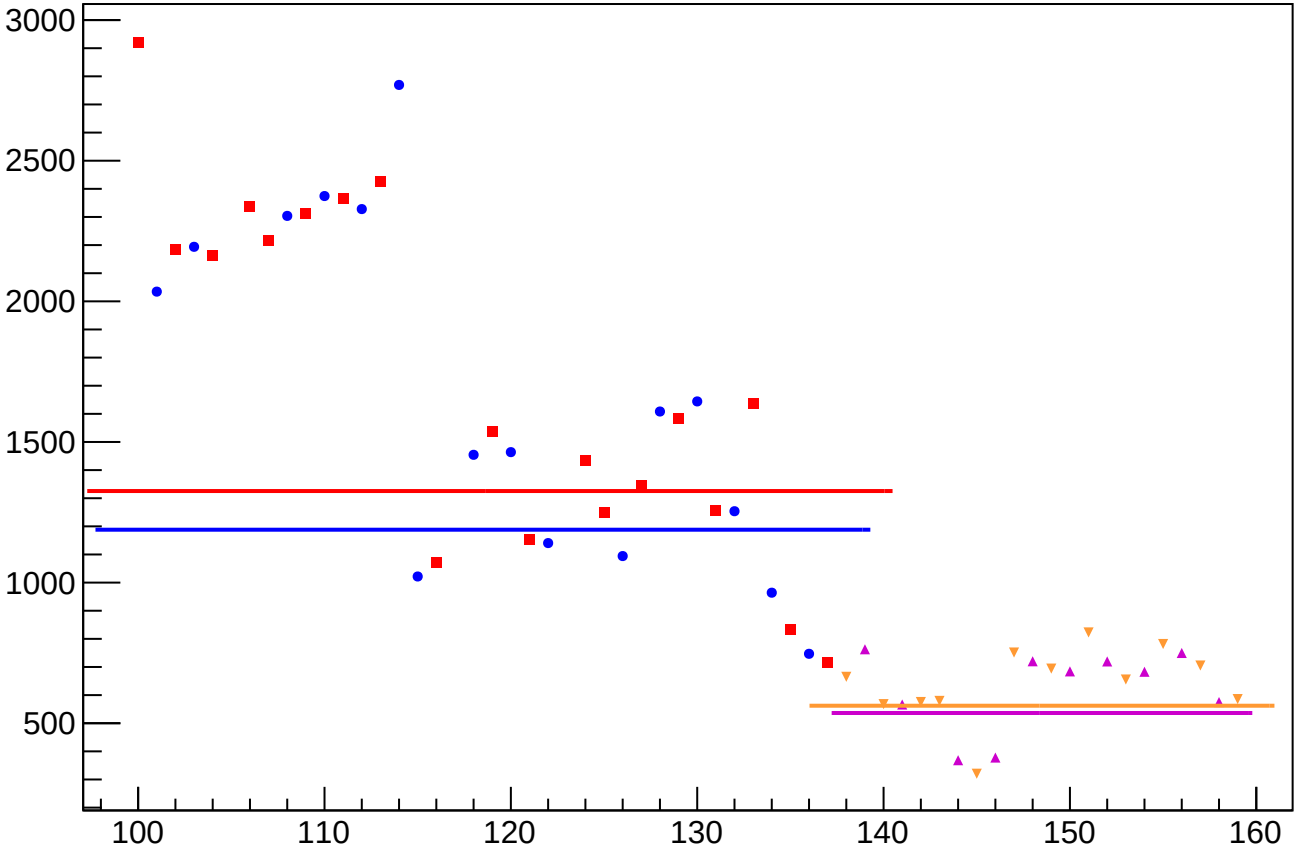
Left In: 2.307+/-190.764 χ^2/NDF:11.1/9

+ sign -604.287+/-177.246 χ^2/NDF: 47.2/27

All: -331.773+/-126.011 χ^2/NDF: 77.2/56

- sign -53.270+/-179.183 χ^2/NDF: 25.2/28

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

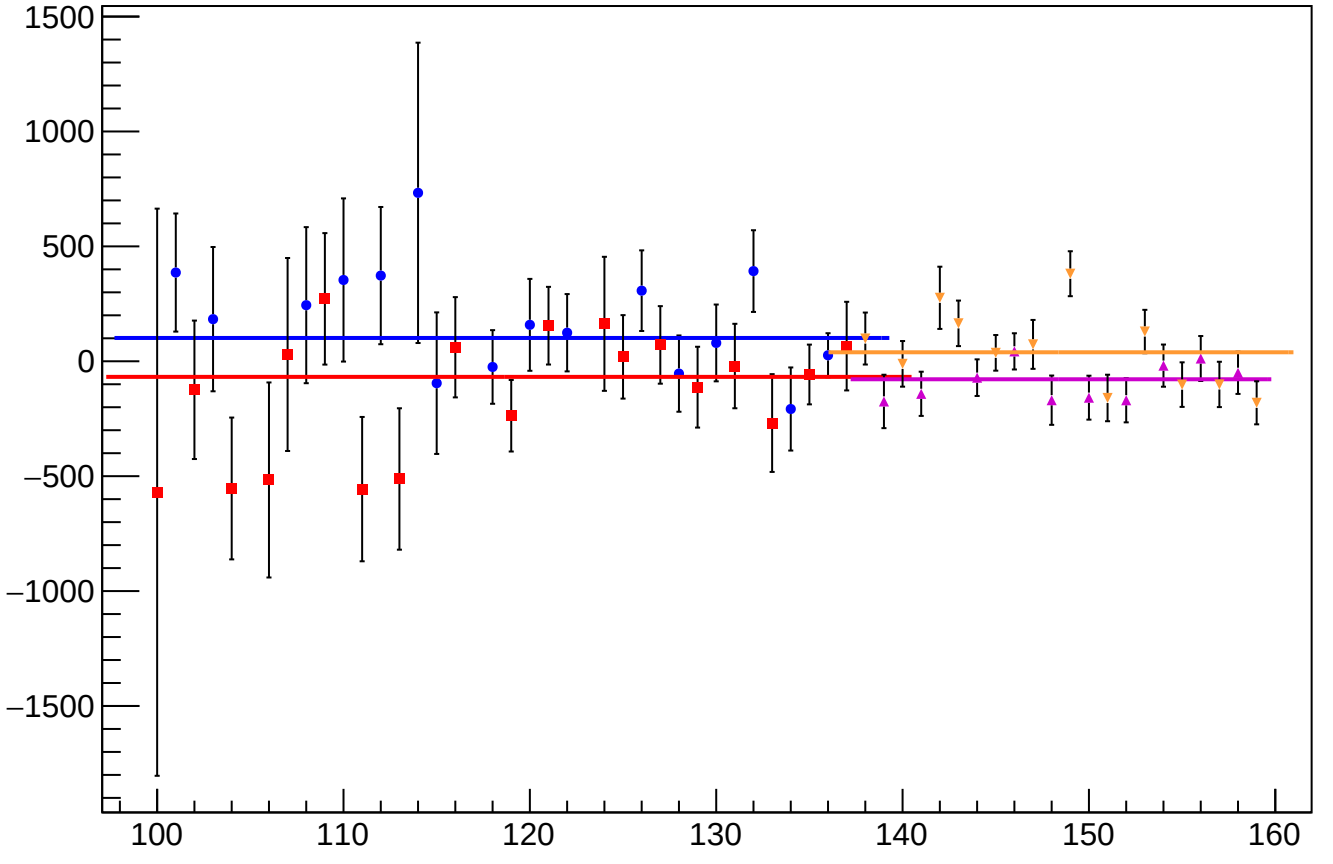
Left In: 536.407+/-0.135 χ^2/NDF:1326005.6/9

\+ sign 647.988+/-0.125 χ^2/NDF: 6486438.5/27

All: 638.756+/-0.089 χ^2/NDF: 13774131.5/56

\- sign 629.320+/-0.127 χ^2/NDF: 7276720.5/28

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

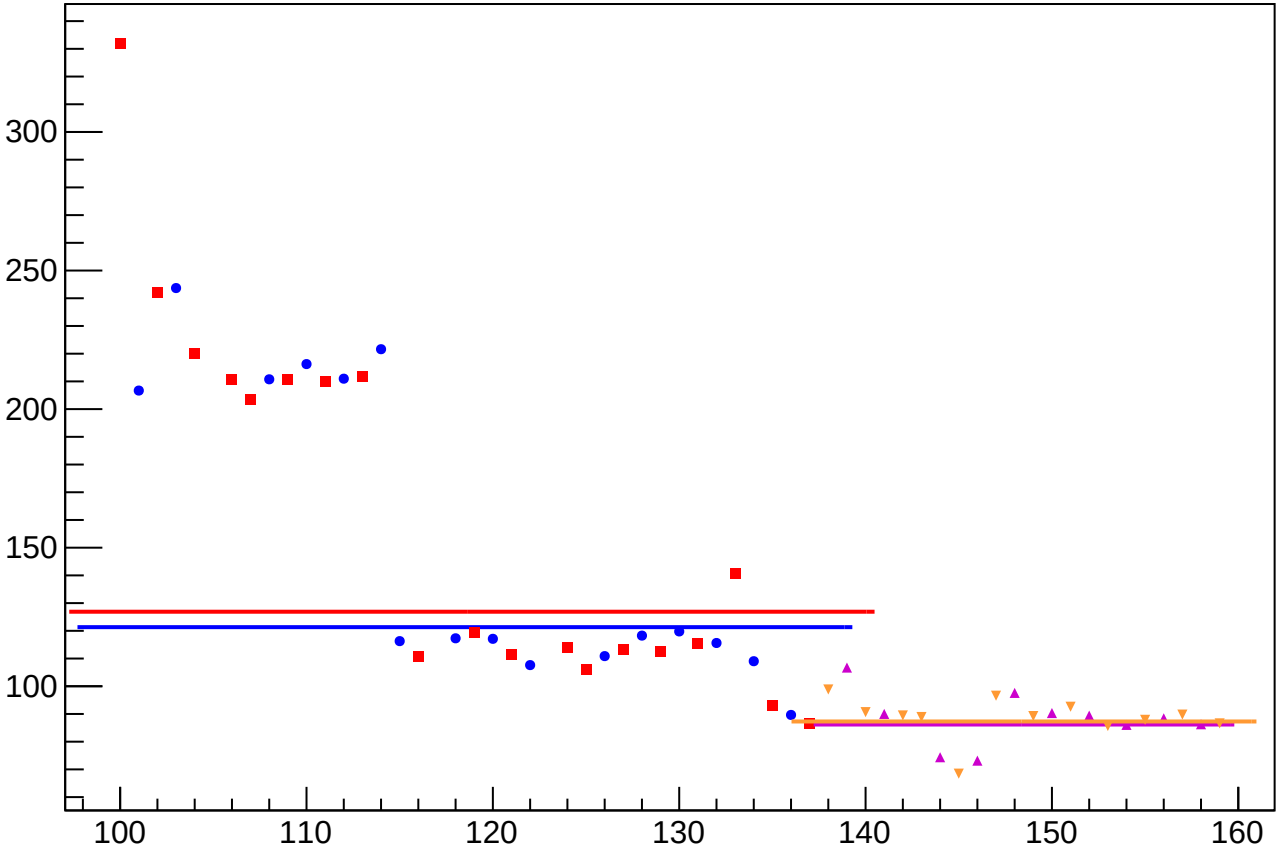
Left In: -78.323+/-29.538 χ^2/NDF:7.2/9

+ sign 55.598+/-24.477 χ^2/NDF: 46.6/27

All: -7.708+/-17.606 χ^2/NDF: 83.7/56

- sign -75.568+/-25.342 χ^2/NDF: 23.3/28

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

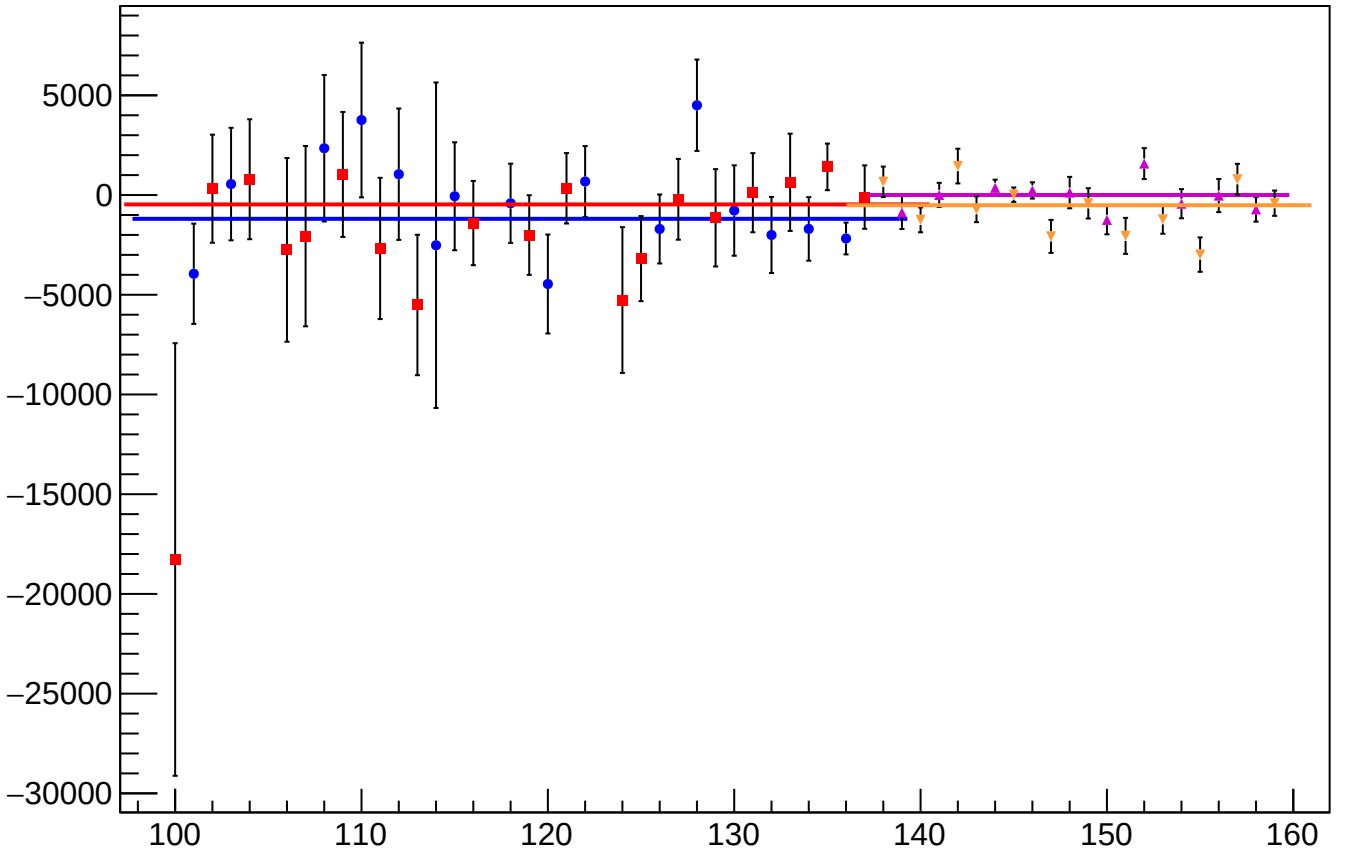
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.193+/-0.021 χ^2/NDF:194032.2/9

+ sign 96.277+/-0.017 χ^2/NDF: 2204032.4/27

All: 96.594+/-0.012 χ^2/NDF: 4866464.7/56

- sign 96.934+/-0.018 χ^2/NDF: 2661736.0/28



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

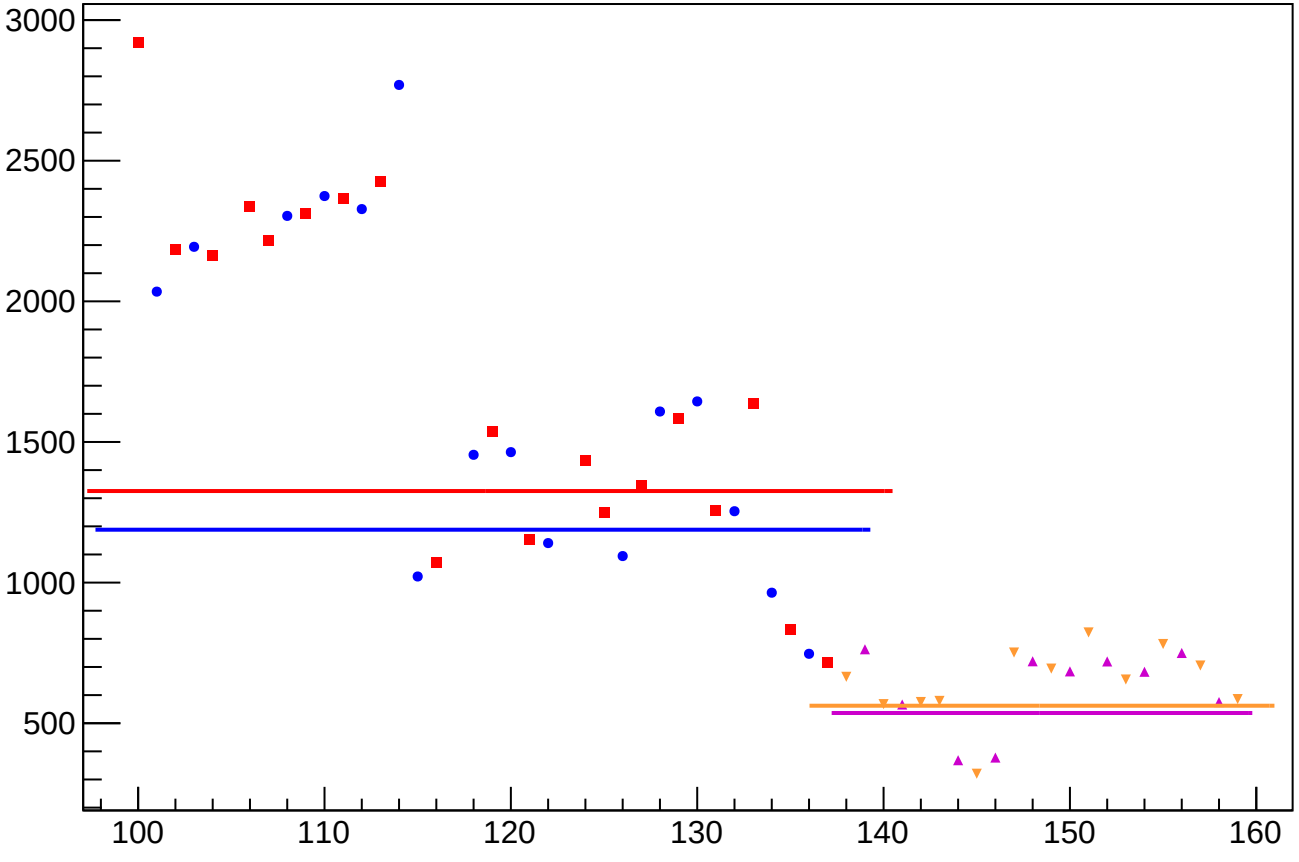
Left In: 2.307+/-190.764 χ^2/NDF:11.1/9

+ sign -604.287+/-177.246 χ^2/NDF: 47.2/27

All: -331.773+/-126.011 χ^2/NDF: 77.2/56

- sign -53.270+/-179.183 χ^2/NDF: 25.2/28

asym_sam_26_avg_eigen_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

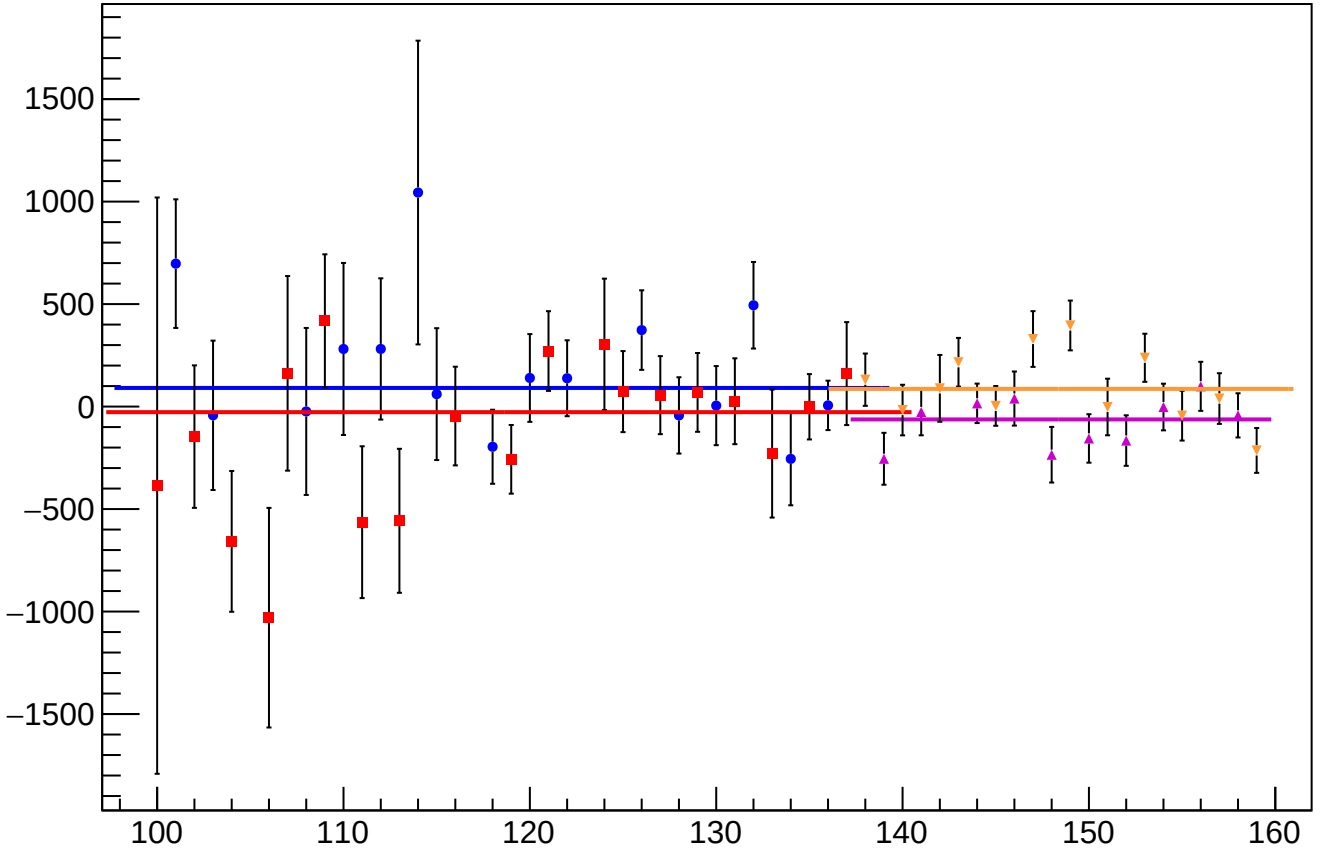
Left In: 536.407+/-0.135 χ^2/NDF:1326005.6/9

+ sign 647.988+/-0.125 χ^2/NDF: 6486438.5/27

All: 638.756+/-0.089 χ^2/NDF: 13774131.5/56

- sign 629.320+/-0.127 χ^2/NDF: 7276720.5/28

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

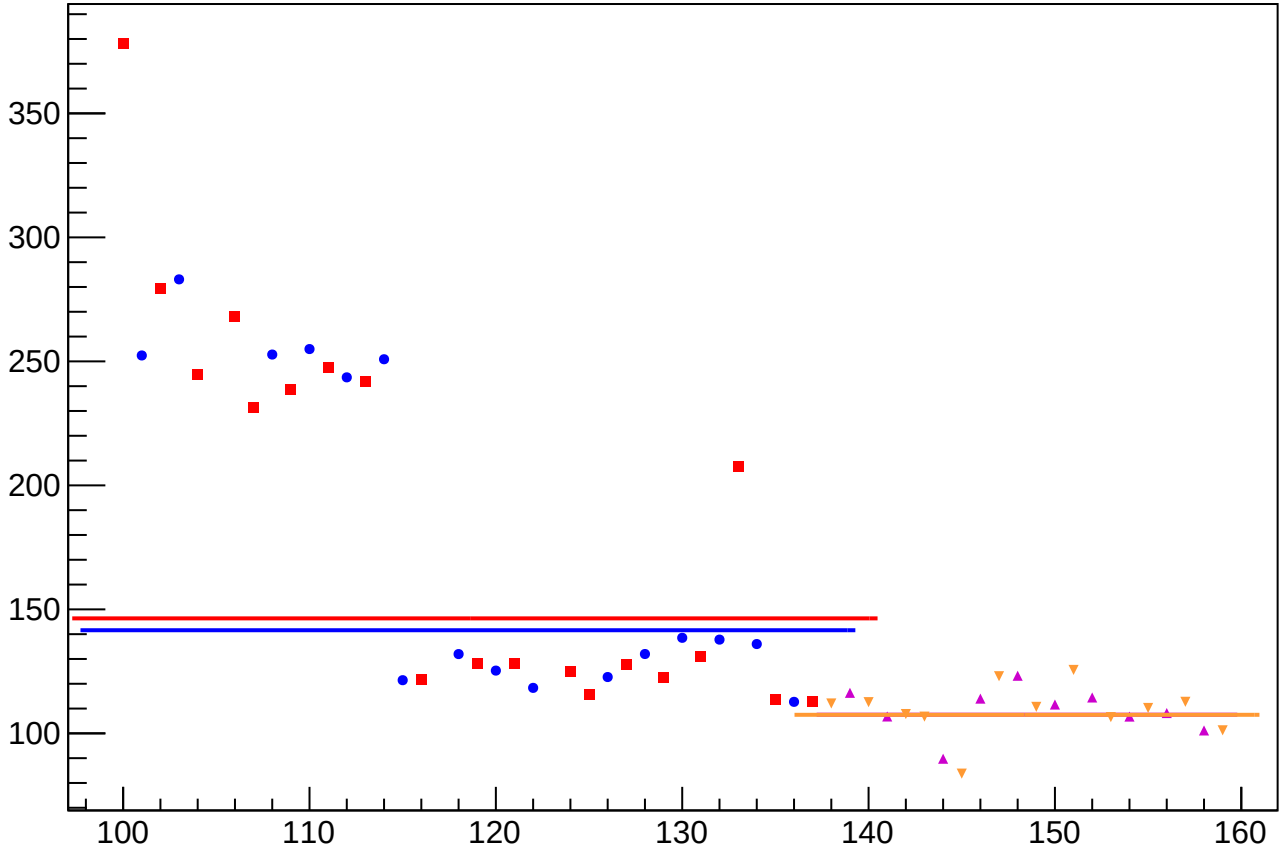
Left In: -62.661+/-37.019 χ^2/NDF:8.7/9

+ sign 87.563+/-29.753 χ^2/NDF: 41.4/27

All: 20.688+/-21.482 χ^2/NDF: 81.6/56

- sign -52.136+/-31.048 χ^2/NDF: 29.6/28

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

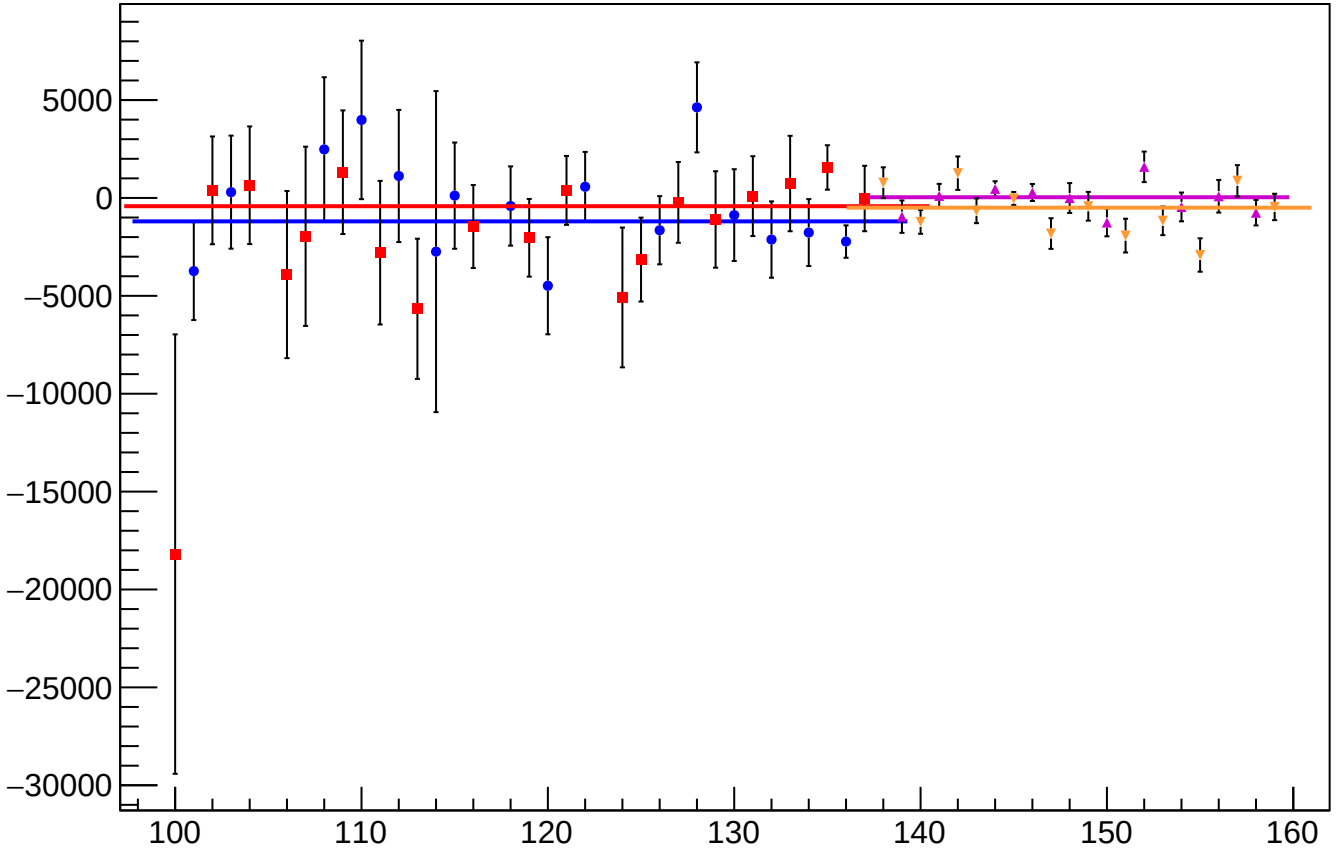
Left In: 107.525+/-0.026 χ^2/NDF:125380.0/9

+ sign 117.262+/-0.021 χ^2/NDF: 1998693.3/27

All: 118.115+/-0.015 χ^2/NDF: 4294165.0/56

- sign 119.044+/-0.022 χ^2/NDF: 2292037.0/28

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

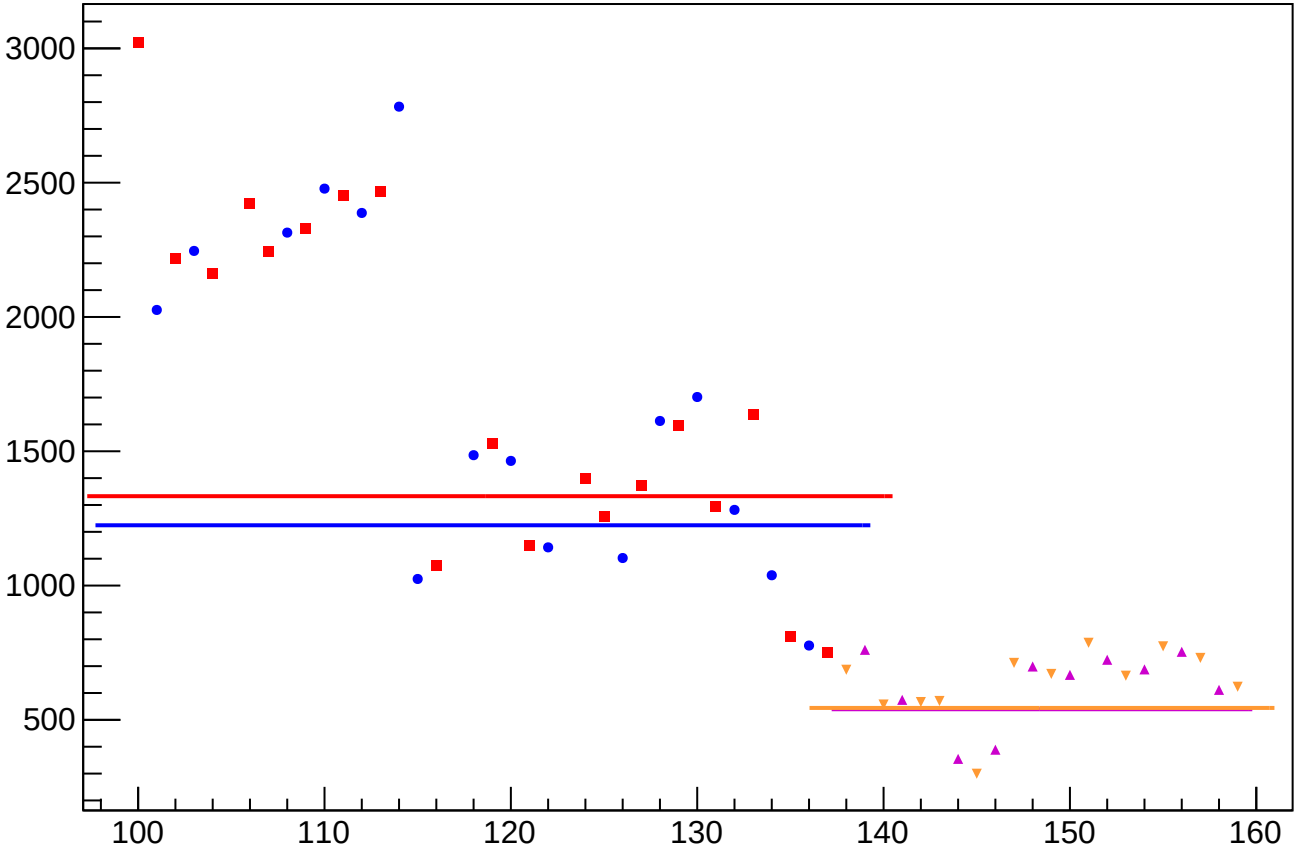
Left In: 36.360+/-192.592 χ^2/NDF:12.2/9

+ sign -583.988+/-173.803 χ^2/NDF: 45.4/27

All: -312.212+/-125.285 χ^2/NDF: 77.7/56

- sign -18.239+/-180.762 χ^2/NDF: 27.1/28

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

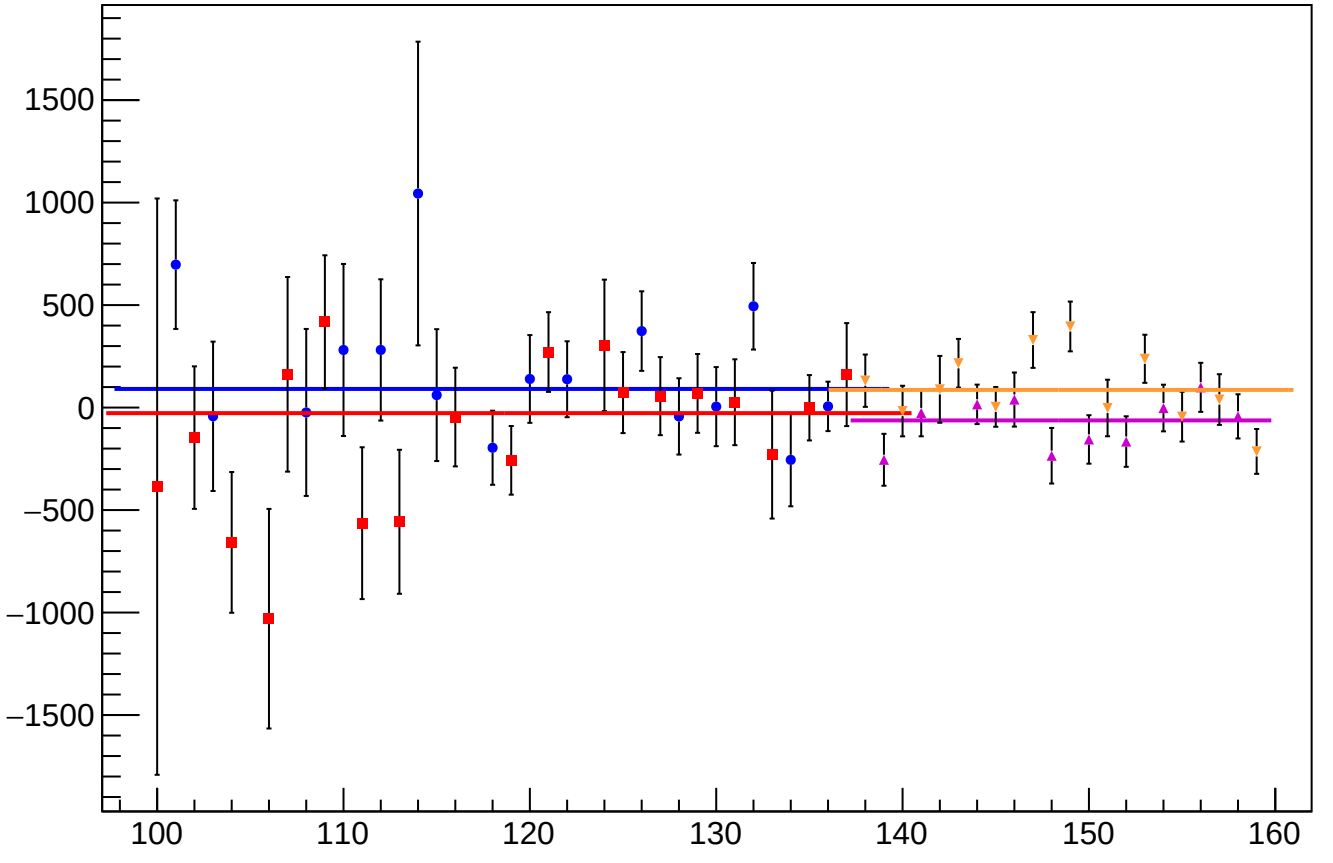
Left In: 539.533+/-0.136 χ^2/NDF:1337780.6/9

+ sign 629.493+/-0.123 χ^2/NDF: 7100691.6/27

All: 631.654+/-0.089 χ^2/NDF: 14474124.0/56

- sign 633.991+/-0.128 χ^2/NDF: 7372788.8/28

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

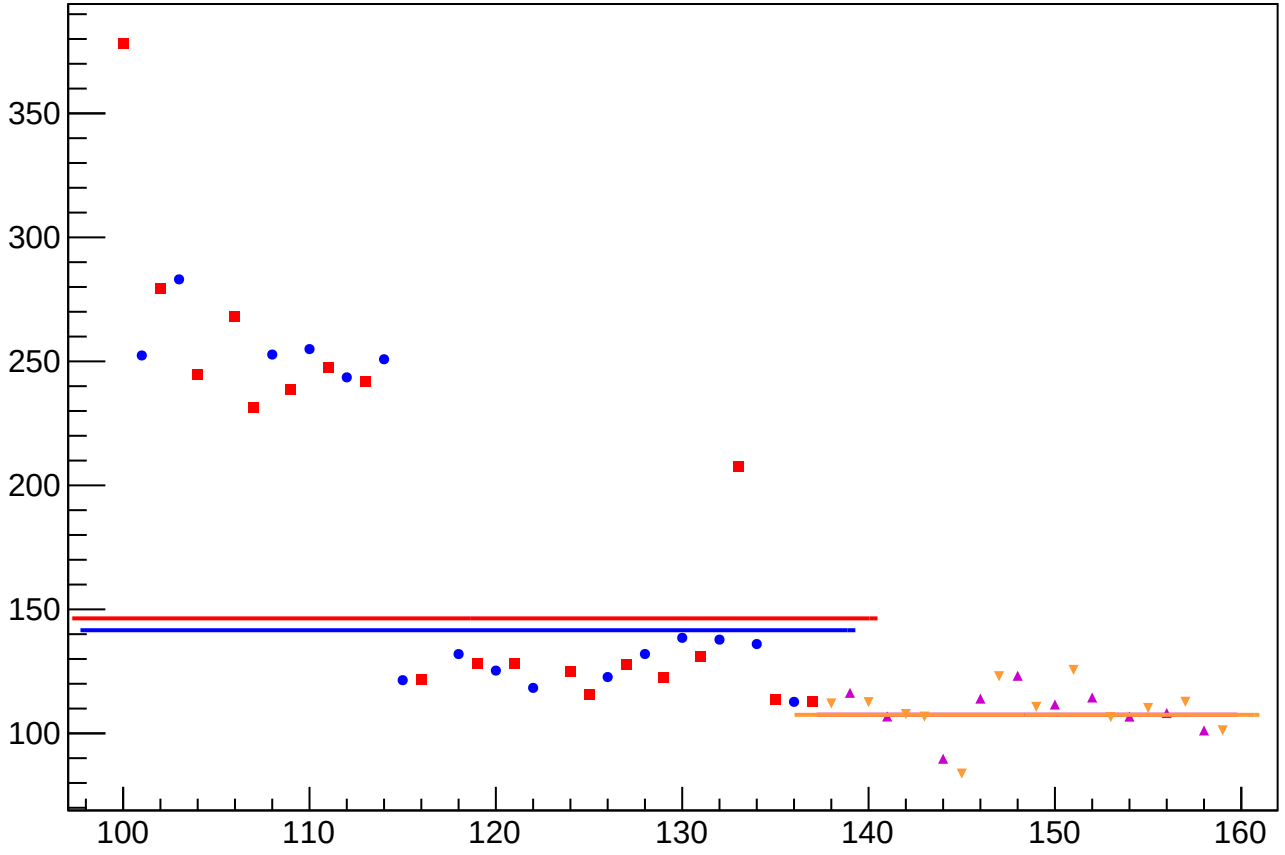
Left In: -62.660+/-37.019 χ^2/NDF:8.7/9

+ sign 87.564+/-29.753 χ^2/NDF: 41.4/27

All: 20.689+/-21.482 χ^2/NDF: 81.6/56

- sign -52.135+/-31.048 χ^2/NDF: 29.5/28

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

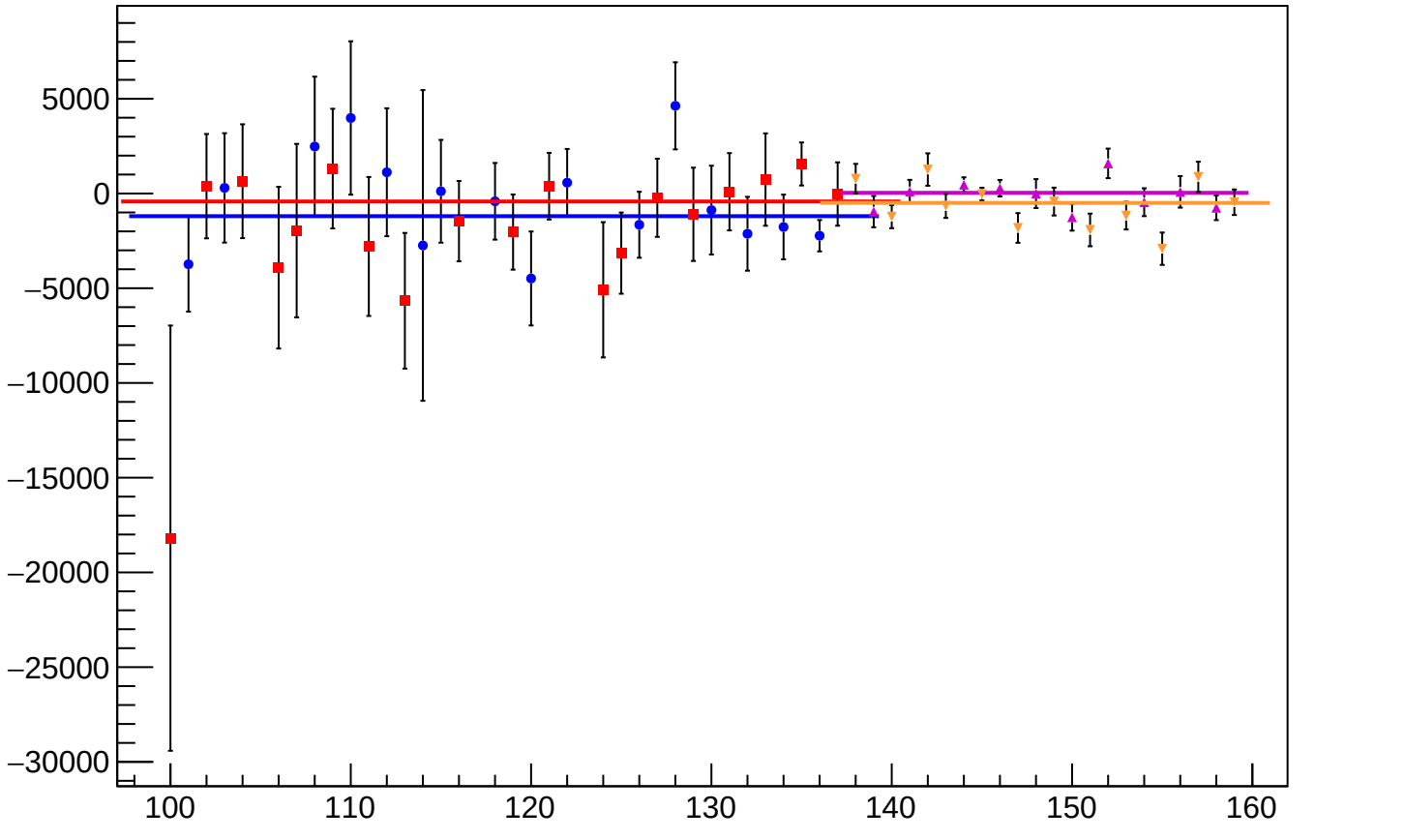
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.525+/-0.026 χ^2/NDF:125378.7/9

+ sign 117.262+/-0.021 χ^2/NDF: 1998639.6/27

All: 118.115+/-0.015 χ^2/NDF: 4294074.8/56

- sign 119.044+/-0.022 χ^2/NDF: 2292000.5/28



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -496.377+/-185.814 χ^2/NDF:27.7/11

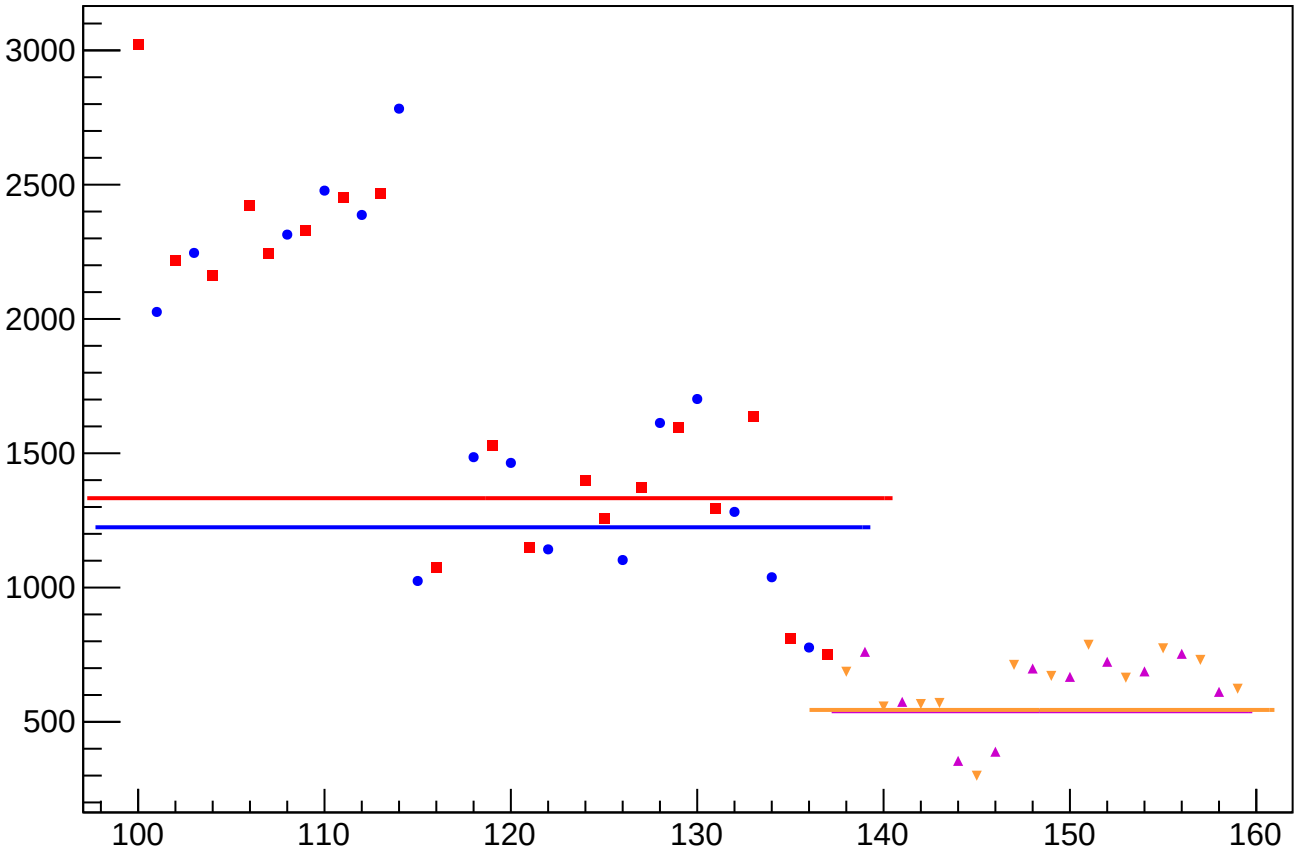
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 36.360+/-192.591 χ^2/NDF:12.2/9

+ sign -583.985+/-173.803 χ^2/NDF: 45.4/27

All: -312.211+/-125.285 χ^2/NDF: 77.7/56

- sign -18.239+/-180.762 χ^2/NDF: 27.1/28



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

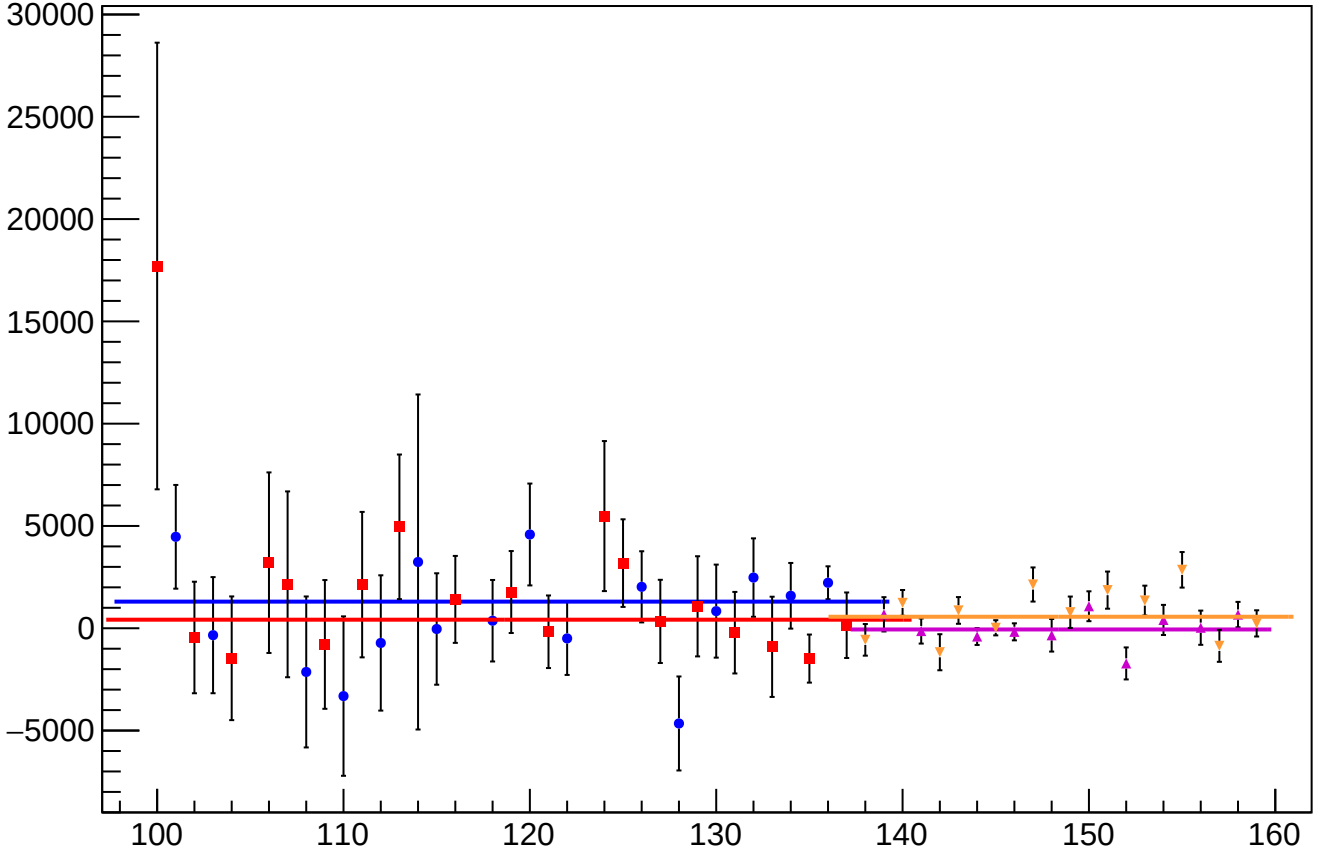
Left In: 539.532+/-0.136 χ^2/NDF:1337797.5/9

+ sign 629.491+/-0.123 χ^2/NDF: 7100741.8/27

All: 631.652+/-0.089 χ^2/NDF: 14474188.2/56

- sign 633.990+/-0.128 χ^2/NDF: 7372802.6/28

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

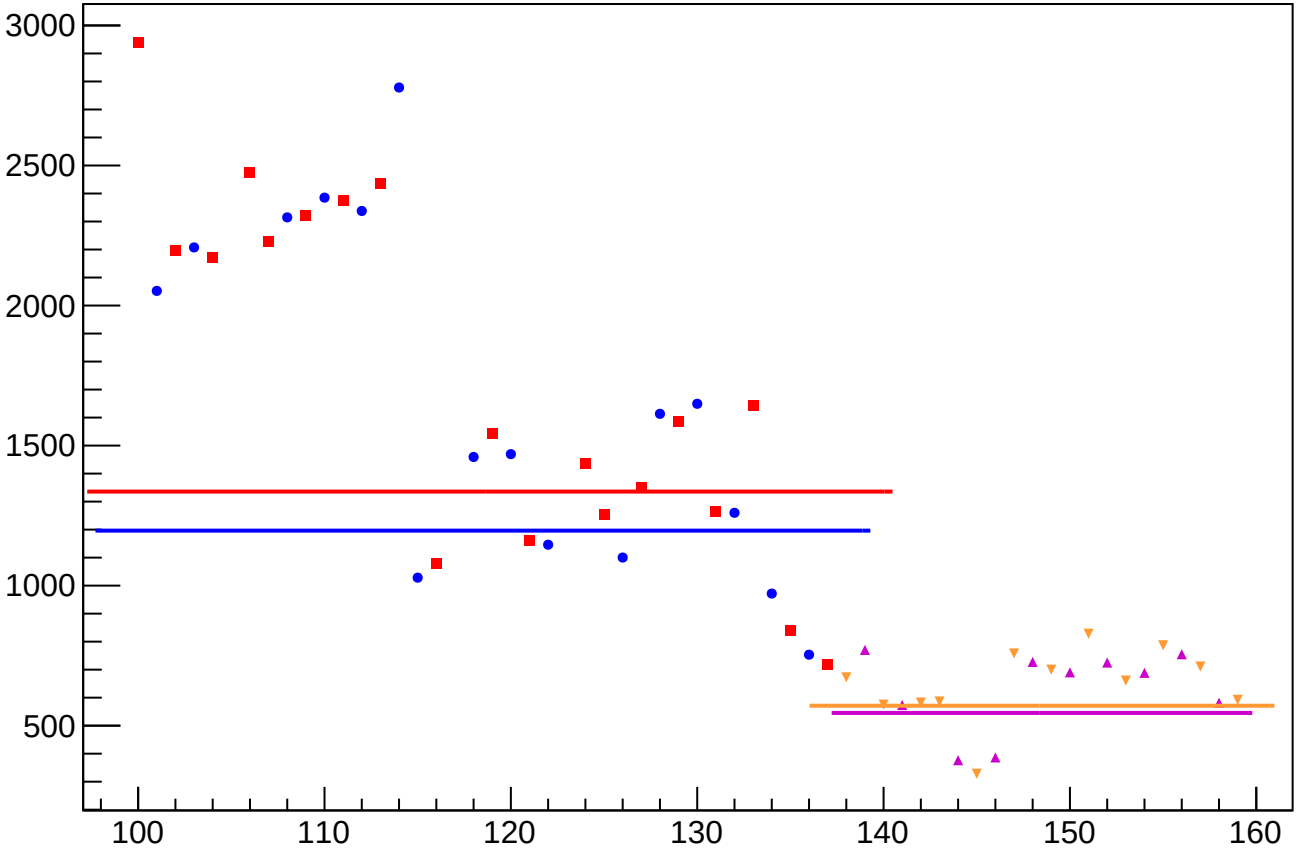
Left In: -59.271+/-193.626 χ^2/NDF:10.4/9

+ sign 665.058+/-179.525 χ^2/NDF: 45.4/27

All: 335.445+/-127.686 χ^2/NDF: 76.4/56

- sign -1.998+/-181.645 χ^2/NDF: 24.2/28

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

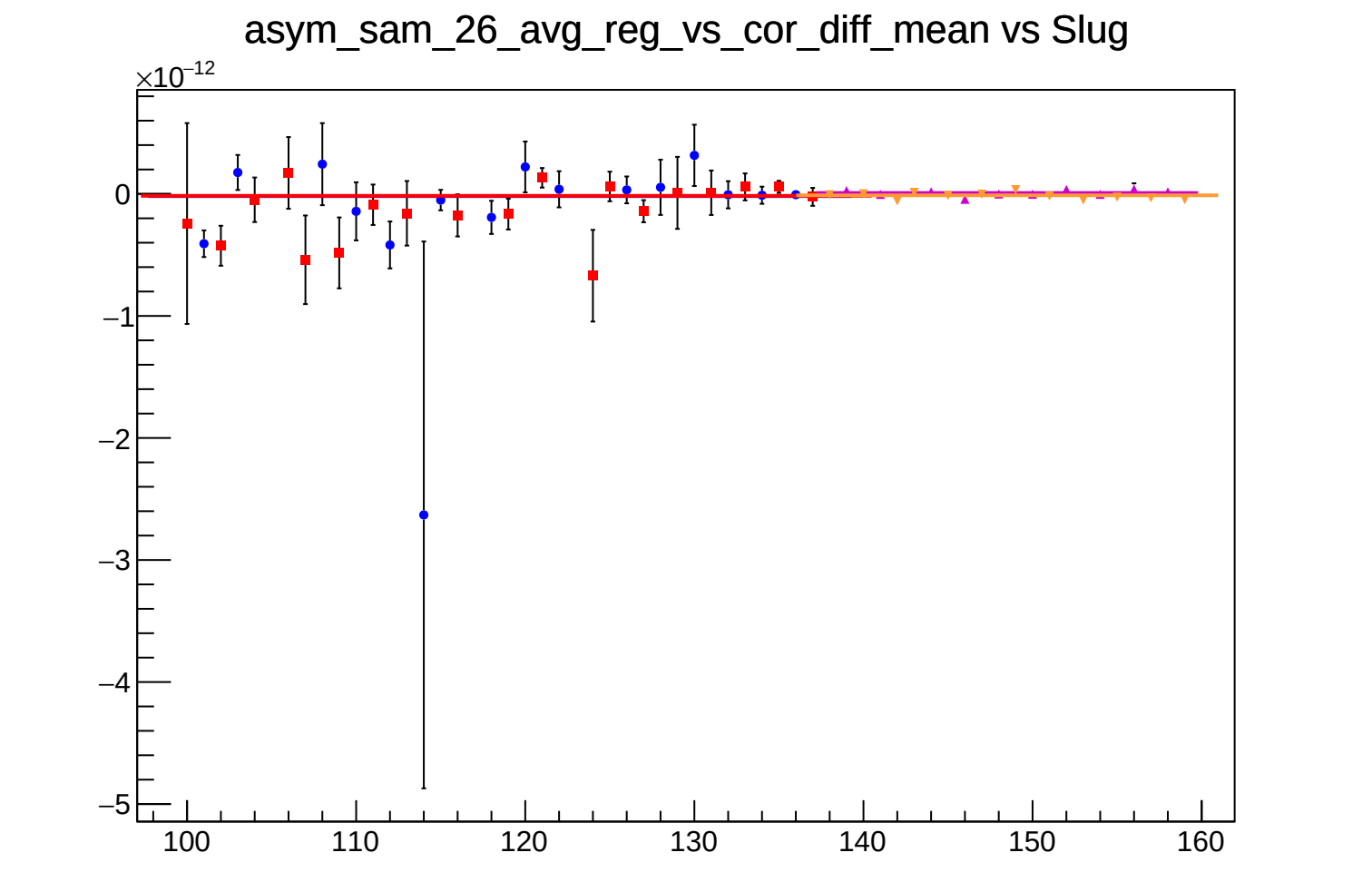
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 545.477+/-0.137 χ^2/NDF:1271063.6/9

+ sign 657.937+/-0.127 χ^2/NDF: 6358875.9/27

All: 649.203+/-0.090 χ^2/NDF: 13587212.7/56

- sign 640.262+/-0.128 χ^2/NDF: 7218757.1/28



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

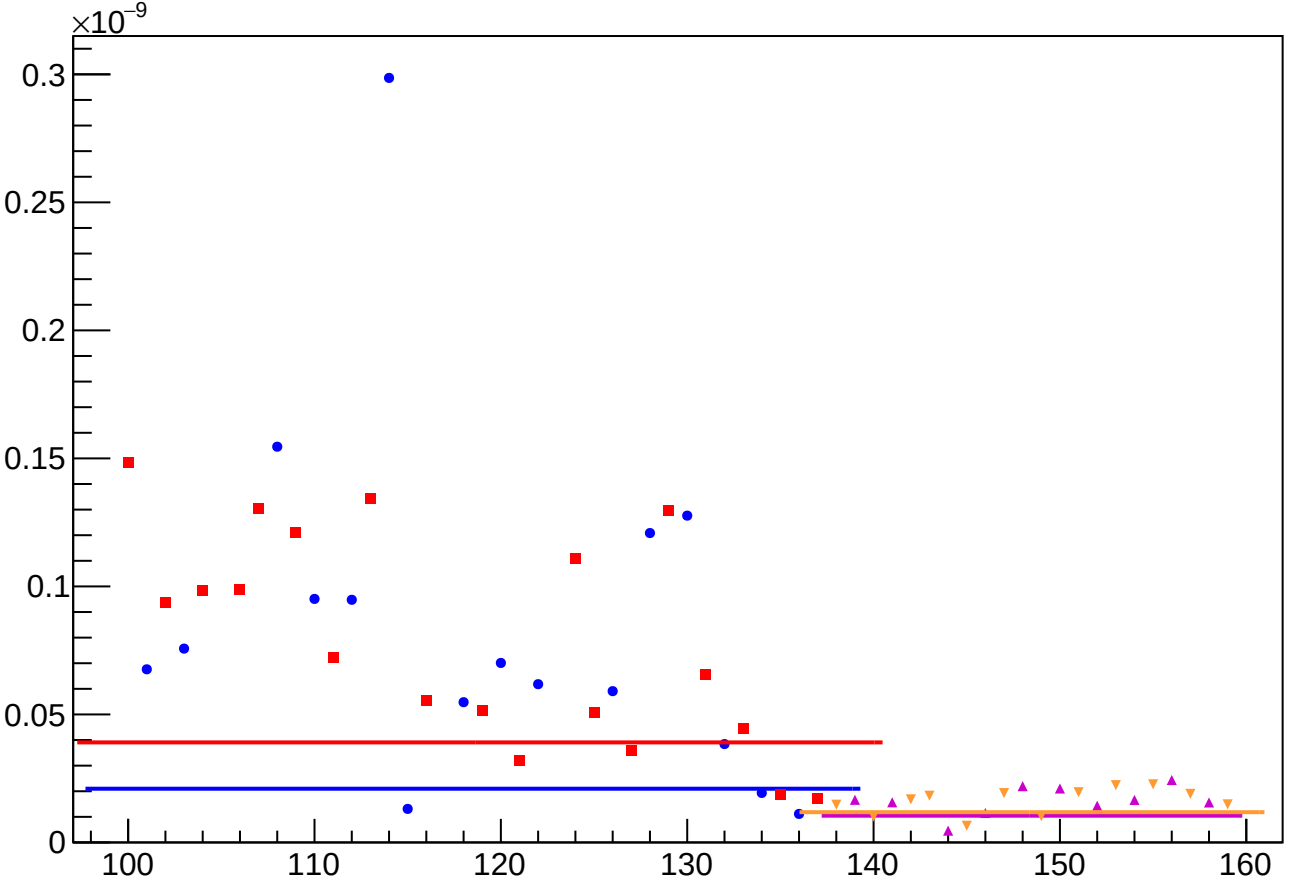
Left In: 0.000+/-0.000 χ^2/NDF:11.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 37.3/27

All: -0.000+/-0.000 χ^2/NDF: 79.5/56

- sign 0.000+/-0.000 χ^2/NDF: 37.8/28

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336813.8/11

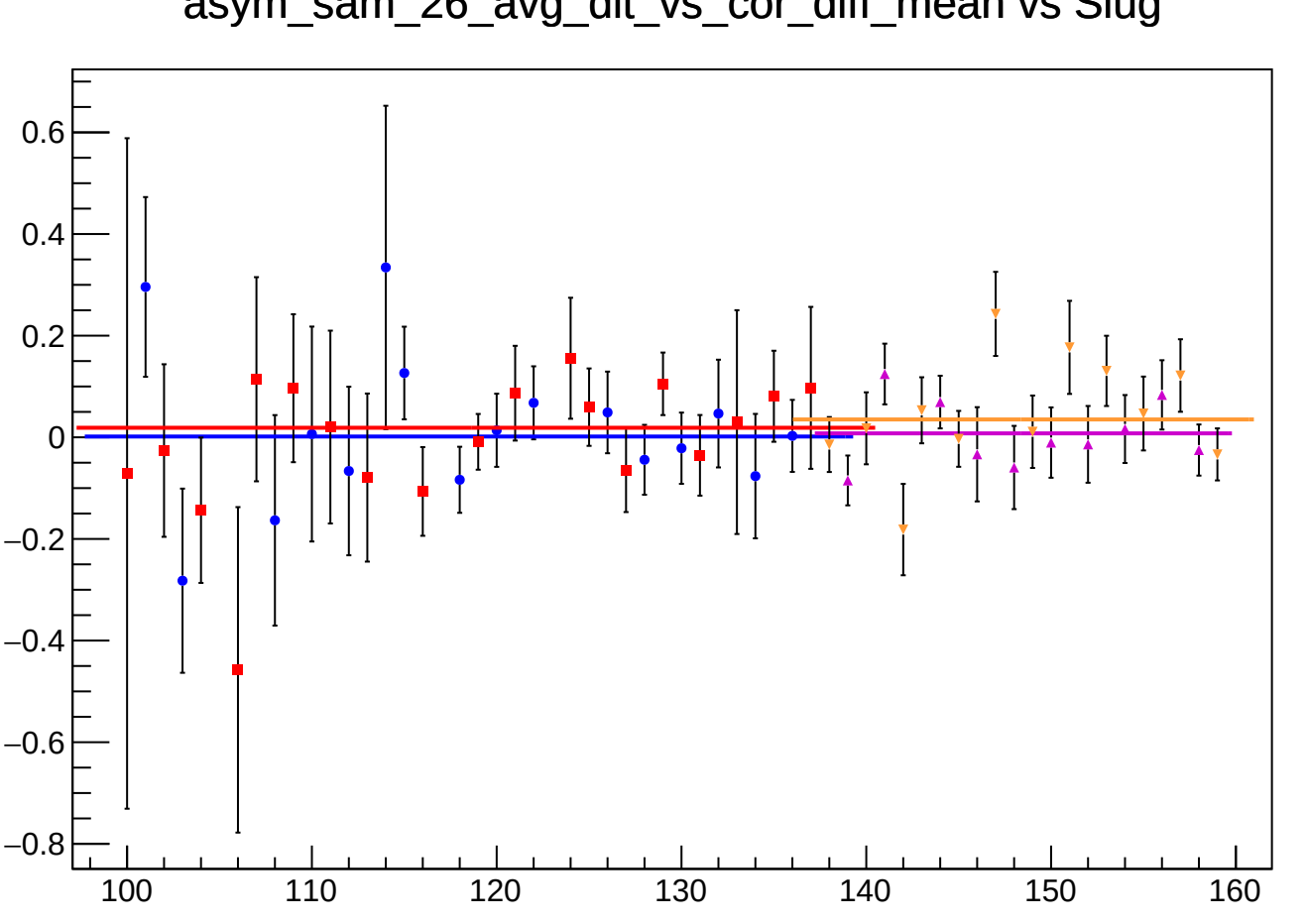
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1732431.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 5183284.1/27

All: 0.000+/-0.000 χ^2/NDF: 11047727.9/56

- sign 0.000+/-0.000 χ^2/NDF: 5843373.5/28



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

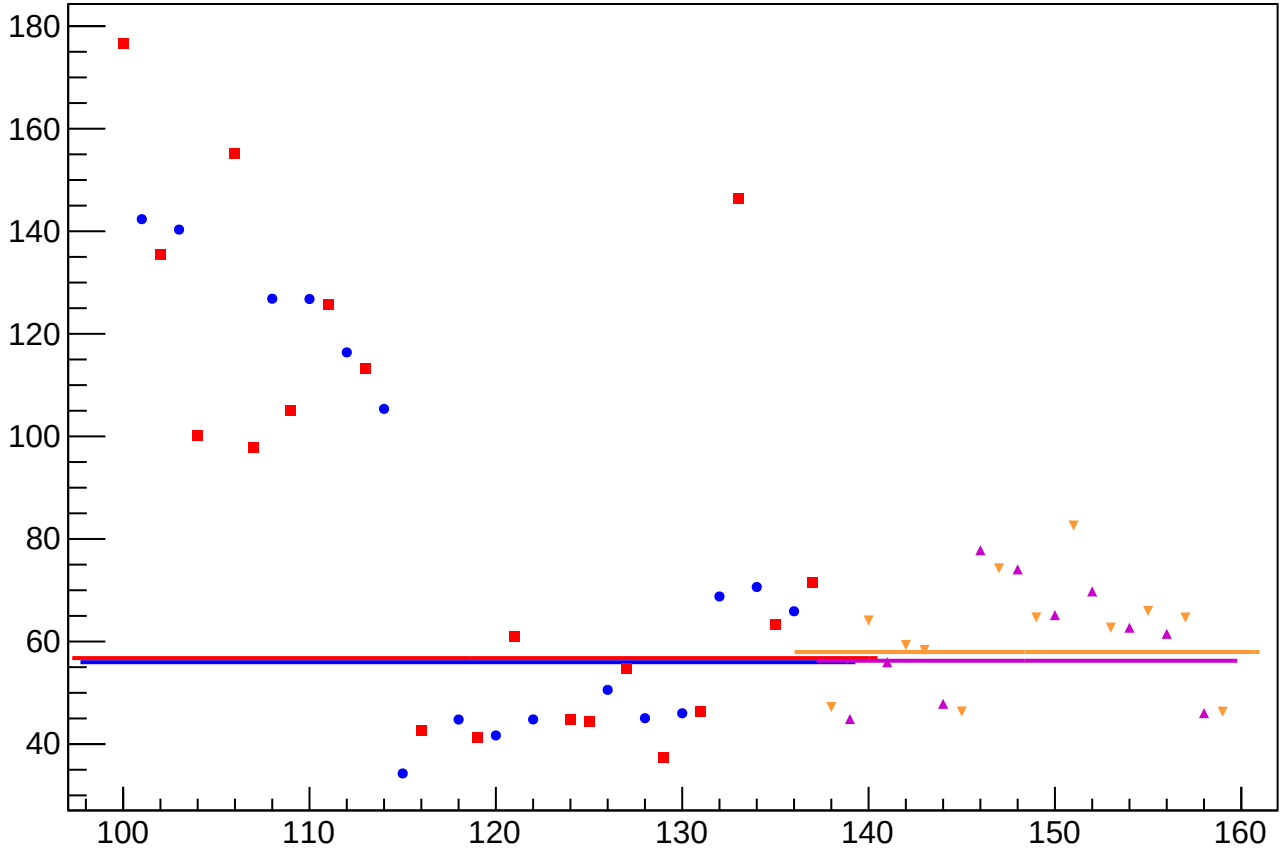
Left In: 0.008+/-0.020 χ^2/NDF:11.5/9

+ sign 0.021+/-0.015 χ^2/NDF: 35.6/27

All: 0.017+/-0.011 χ^2/NDF: 60.5/56

- sign 0.012+/-0.015 χ^2/NDF: 24.7/28

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

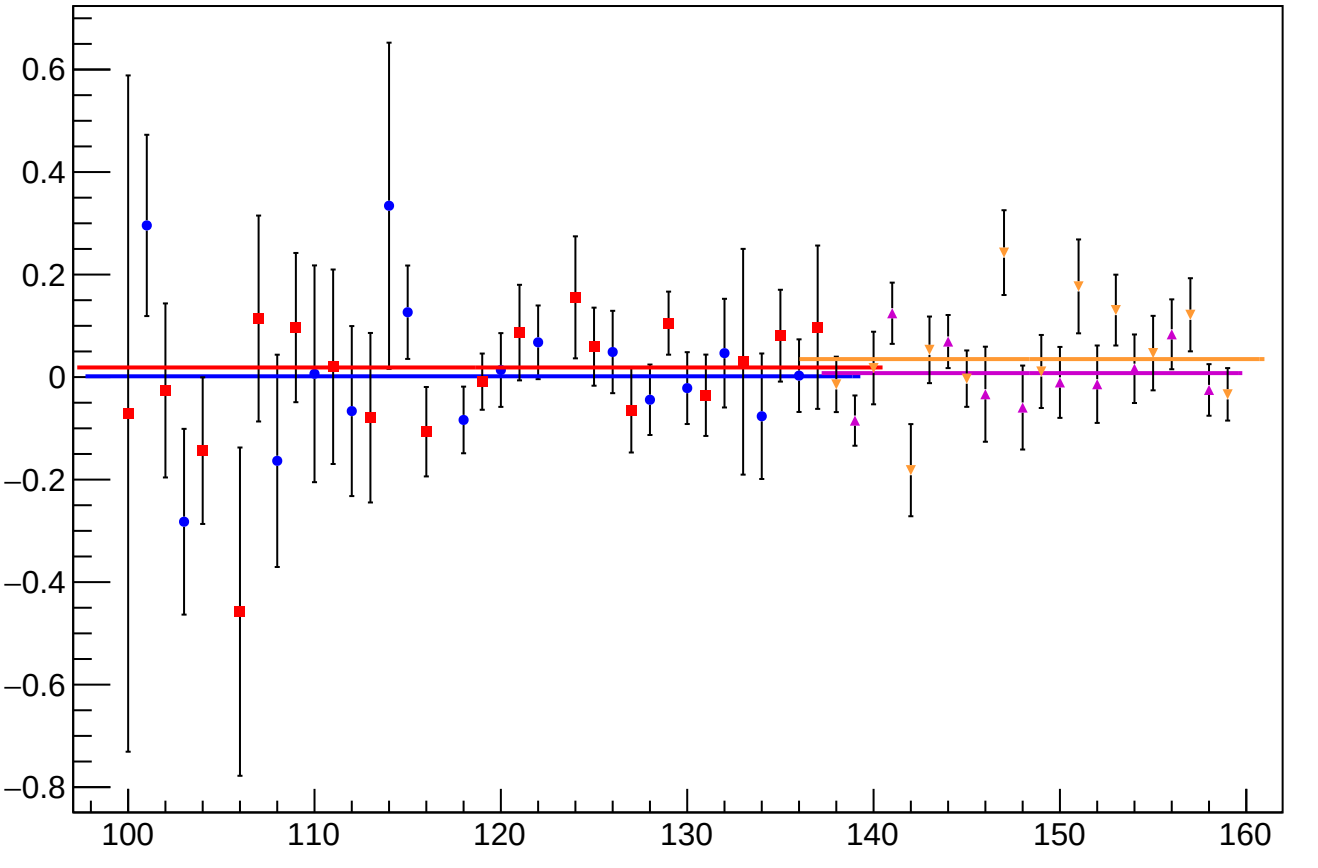
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.253+/-0.014 χ^2/NDF:572692.3/9

+ sign 57.156+/-0.011 χ^2/NDF: 2767520.6/27

All: 56.817+/-0.008 χ^2/NDF: 5896098.2/56

- sign 56.468+/-0.011 χ^2/NDF: 3126481.8/28



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

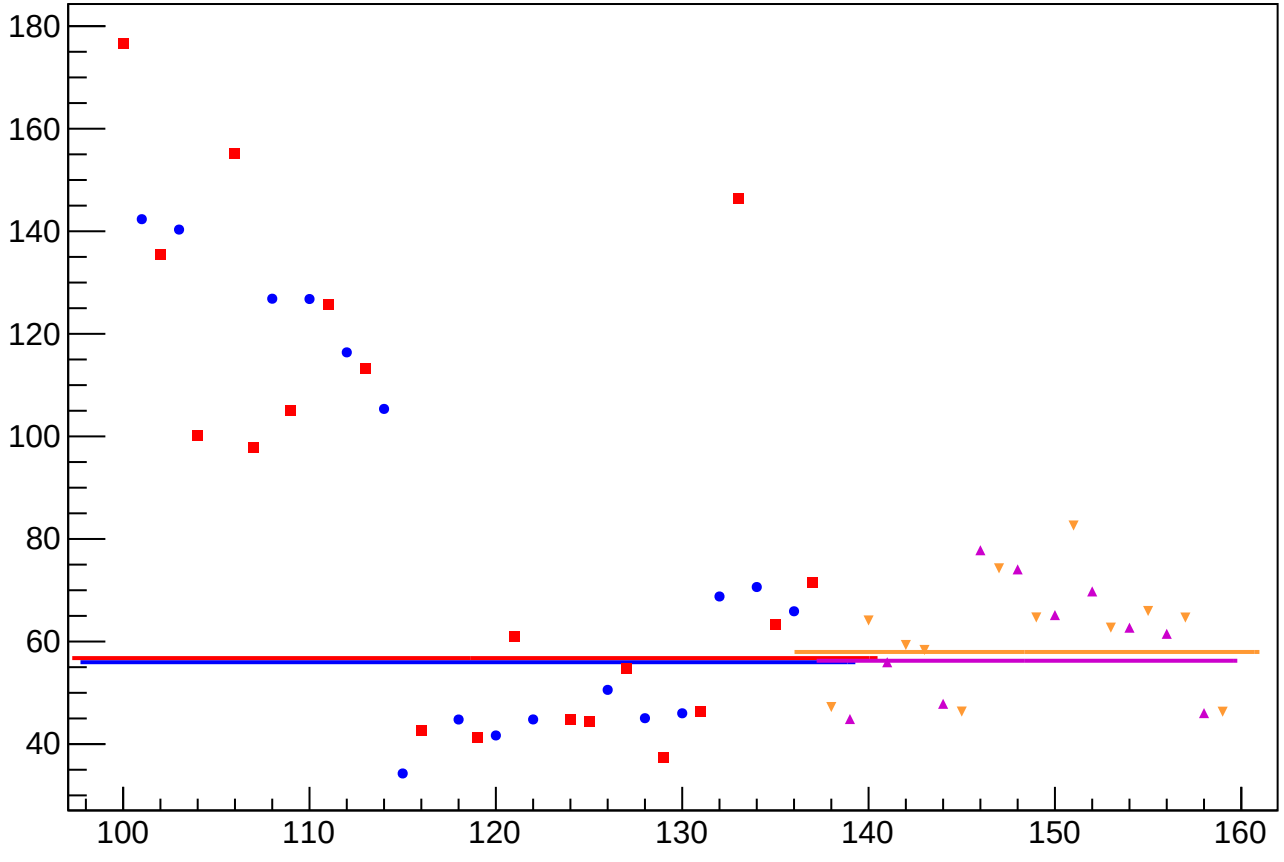
Left In: 0.008+/-0.020 χ^2/NDF:11.5/9

+ sign 0.021+/-0.015 χ^2/NDF: 35.6/27

All: 0.017+/-0.011 χ^2/NDF: 60.5/56

- sign 0.012+/-0.015 χ^2/NDF: 24.7/28

asym_sam_26_avg_dit_vs_eigen_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

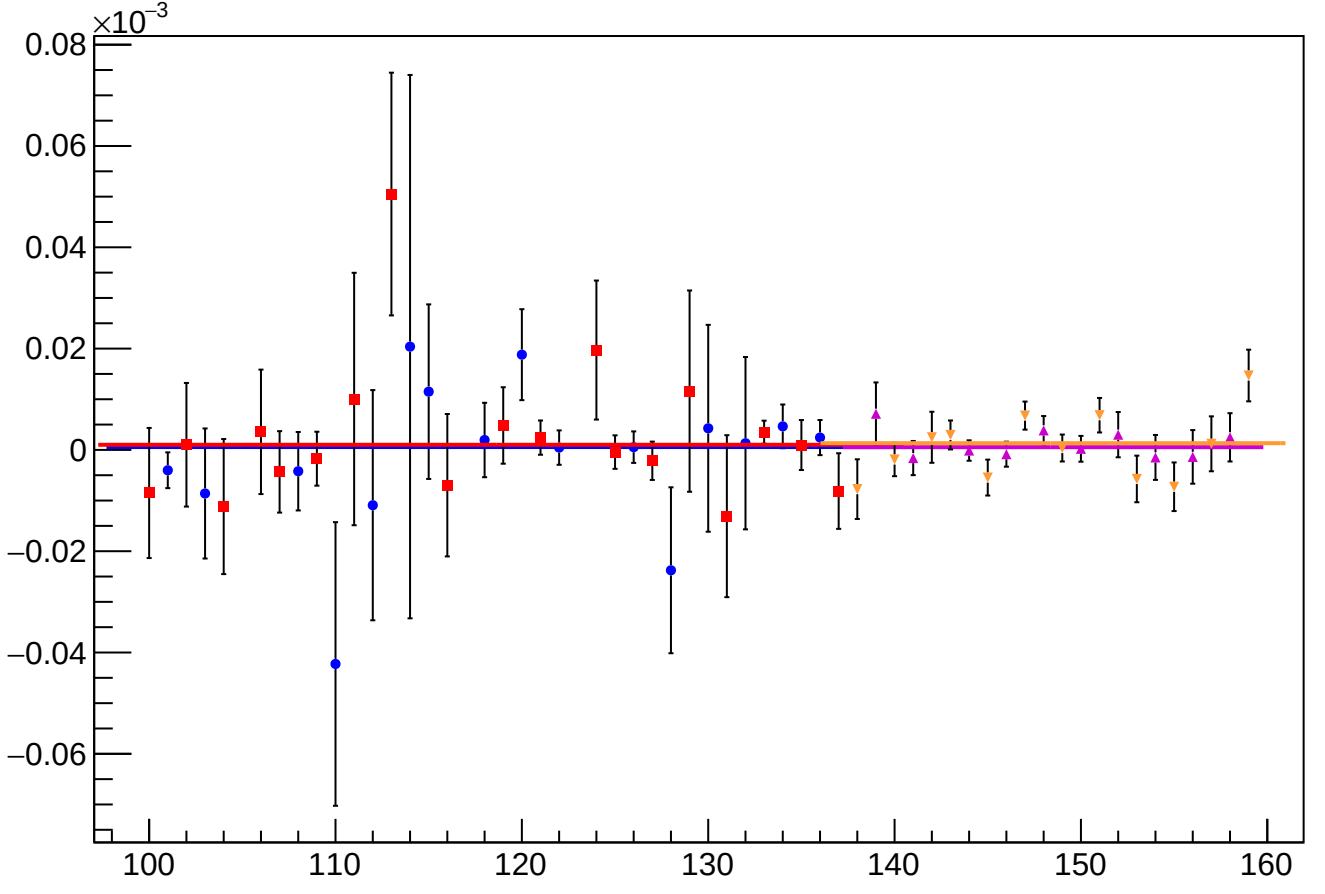
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.253+/-0.014 χ^2/NDF:572692.3/9

+ sign 57.156+/-0.011 χ^2/NDF: 2767520.6/27

All: 56.817+/-0.008 χ^2/NDF: 5896098.2/56

- sign 56.468+/-0.011 χ^2/NDF: 3126481.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

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

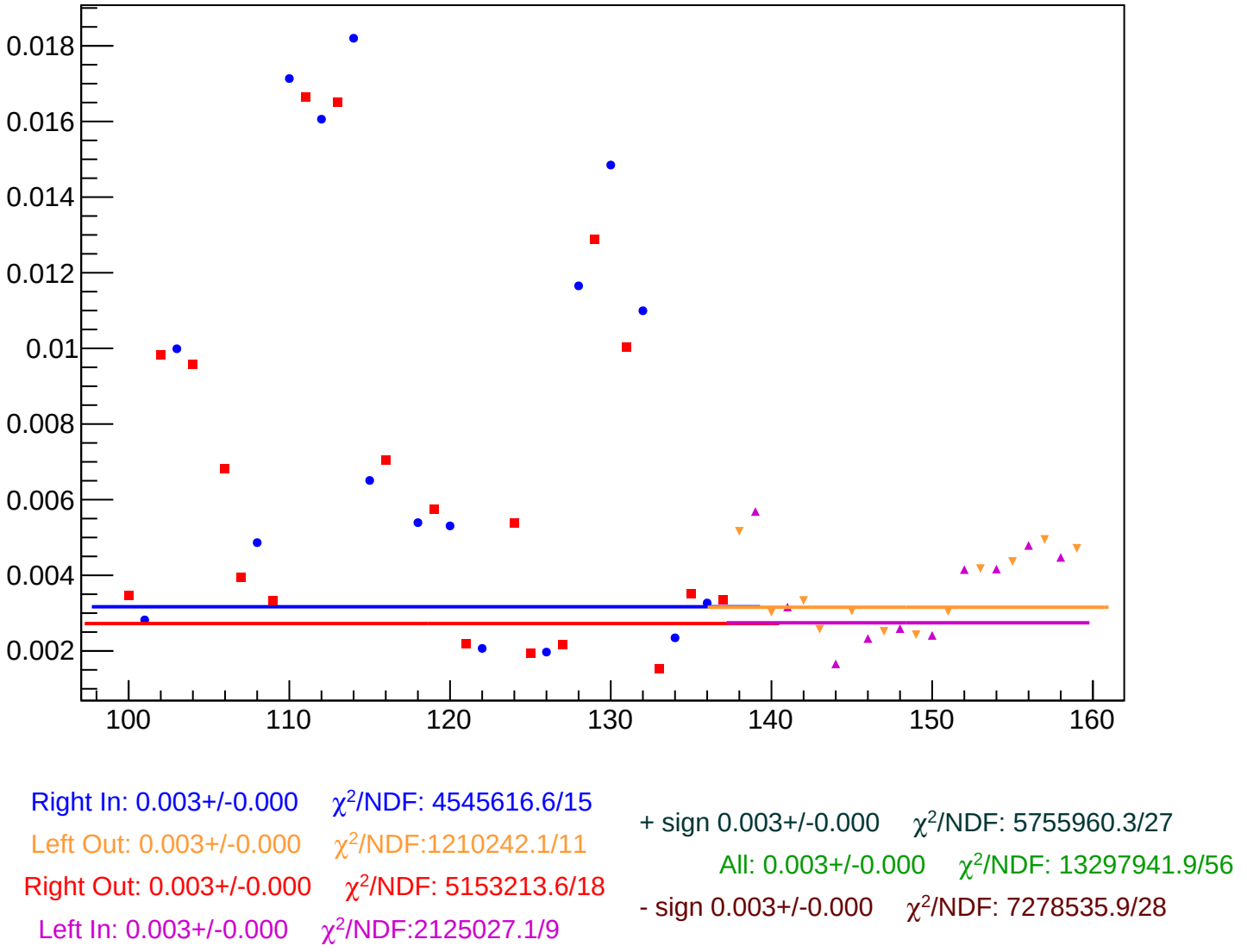
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

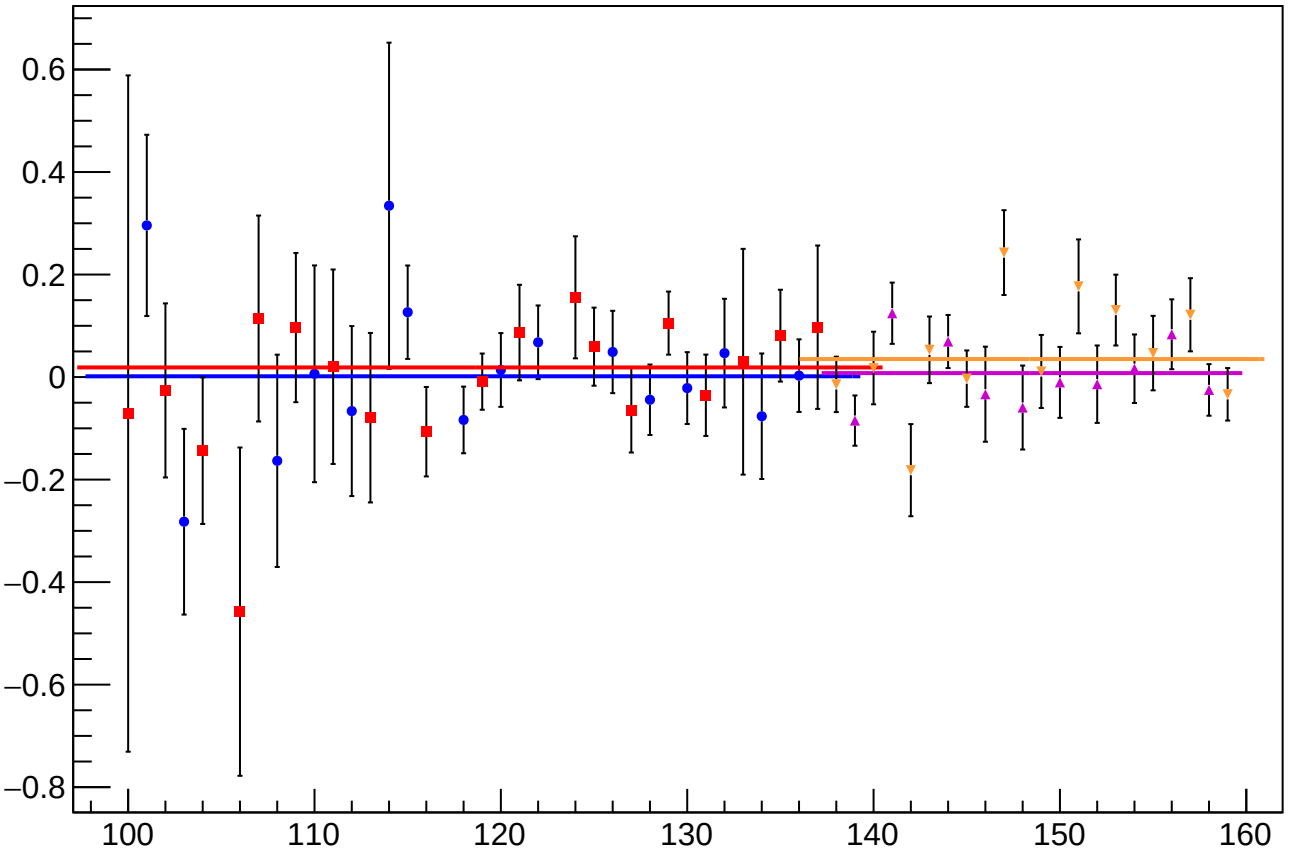
Left In: 0.000+/-0.000 χ^2/NDF:4.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/27

All: 0.000+/-0.000 χ^2/NDF: 58.0/56

- sign 0.000+/-0.000 χ^2/NDF: 18.1/28


asym_sam_26_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: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:1210242.1/11
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:2125027.1/9
+ sign 0.003+/-0.000 χ²/NDF: 5755960.3/27
All: 0.003+/-0.000 χ²/NDF: 13297941.9/56
- sign 0.003+/-0.000 χ²/NDF: 7278535.9/28



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.035+/-0.019 χ^2/NDF:21.3/11

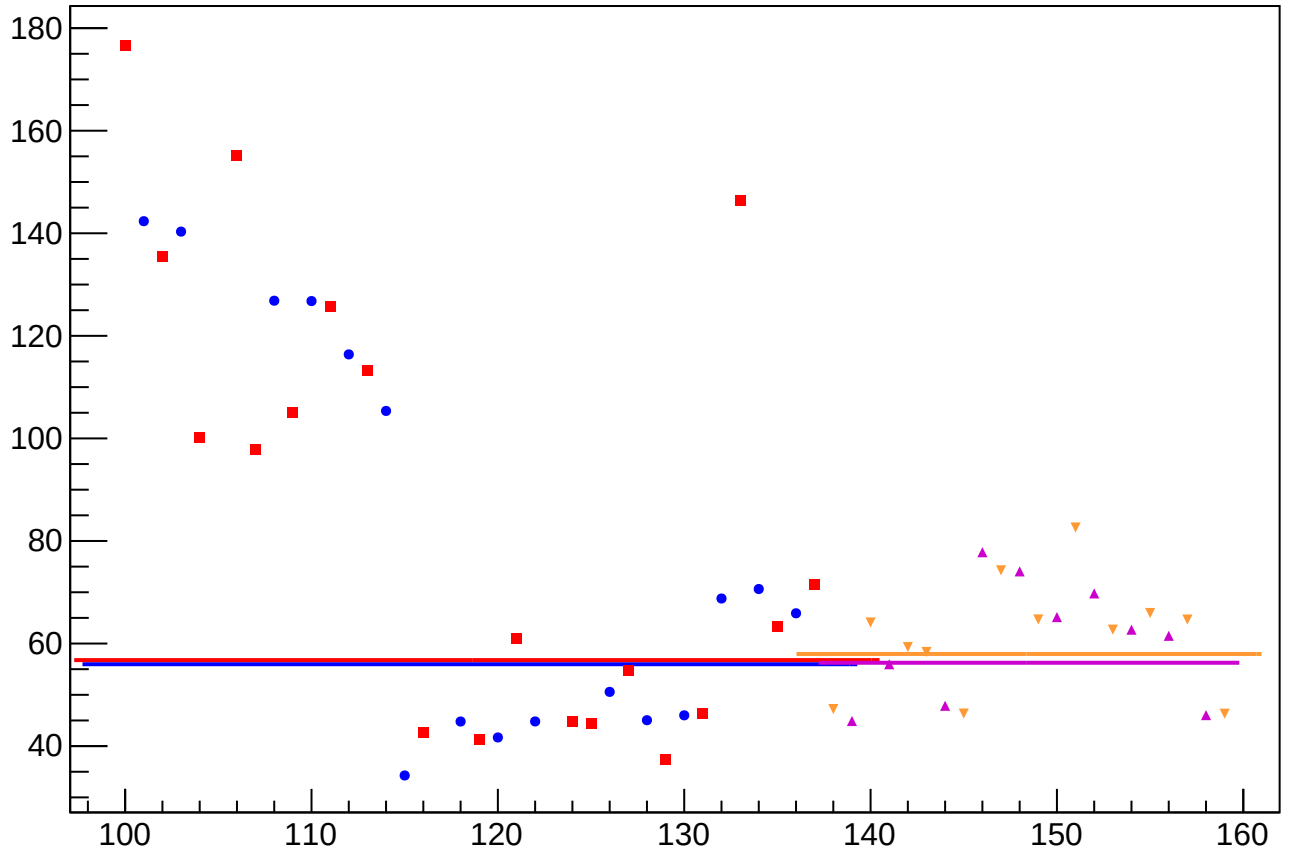
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.008+/-0.020 χ^2/NDF:11.5/9

+ sign 0.021+/-0.015 χ^2/NDF: 35.6/27

All: 0.017+/-0.011 χ^2/NDF: 60.5/56

- sign 0.012+/-0.015 χ^2/NDF: 24.7/28



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.967+/-0.014 χ^2/NDF:579034.0/11

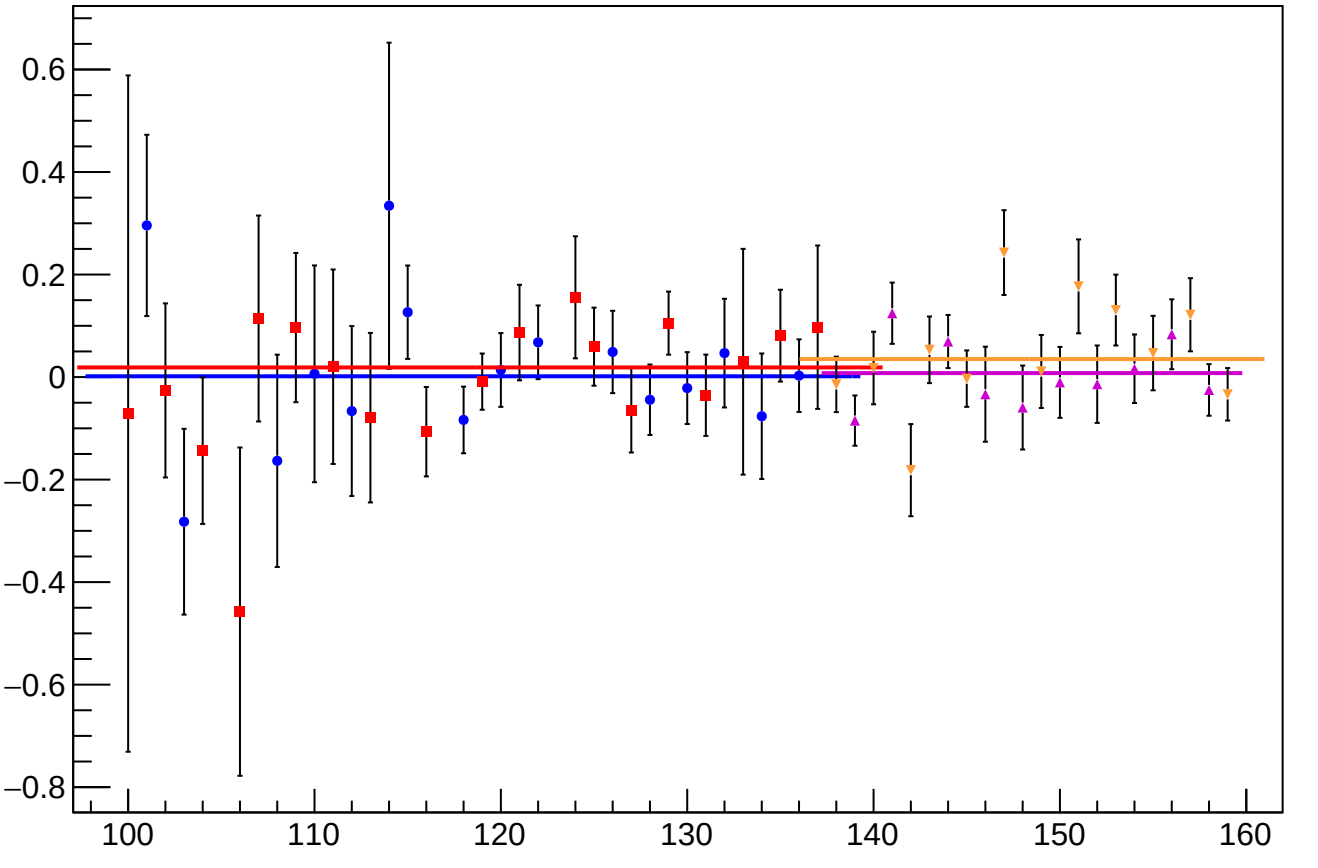
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.254+/-0.014 χ^2/NDF:572691.7/9

+ sign 57.156+/-0.011 χ^2/NDF: 2767451.7/27

All: 56.817+/-0.008 χ^2/NDF: 5895972.2/56

- sign 56.468+/-0.011 χ^2/NDF: 3126424.0/28



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.035+/-0.019 χ^2/NDF:21.3/11

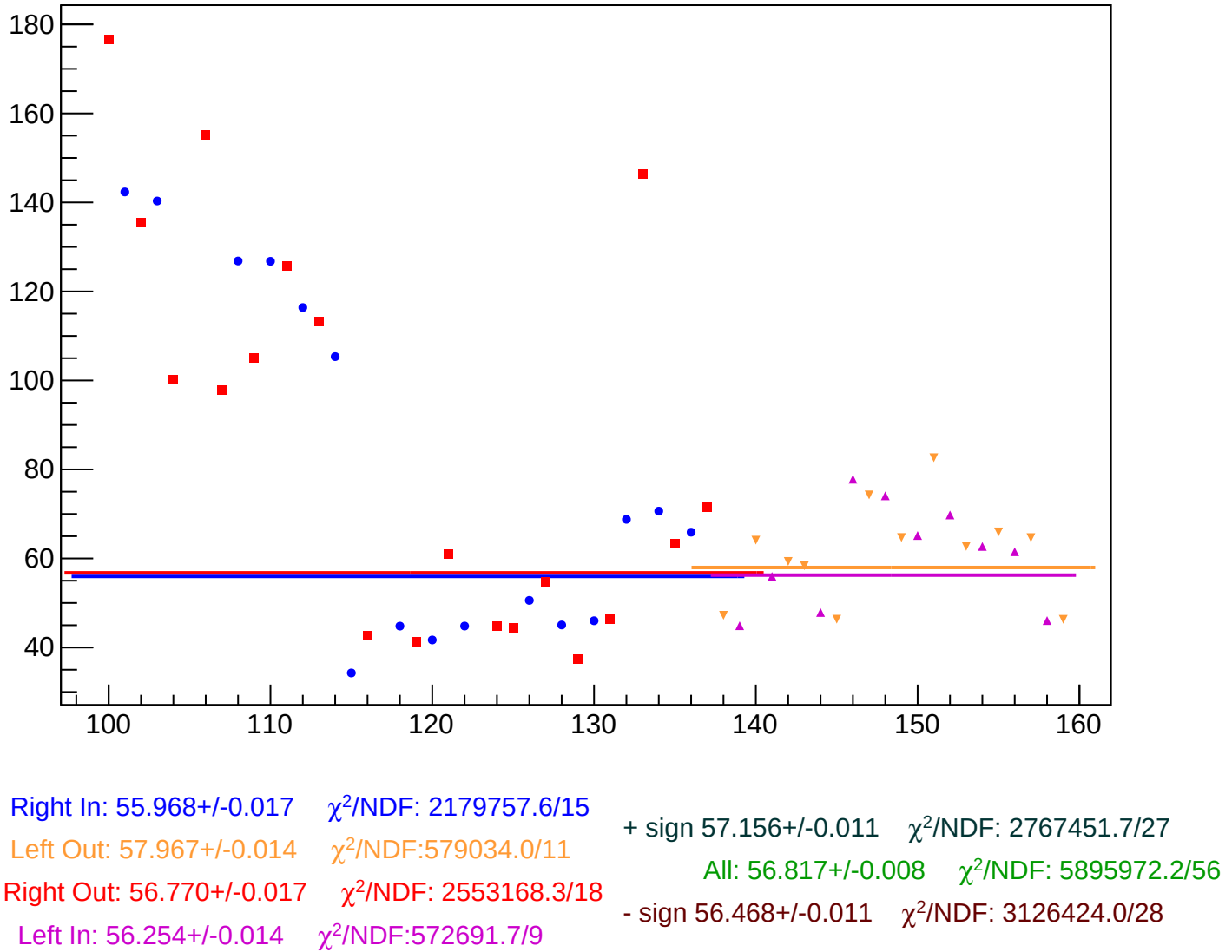
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

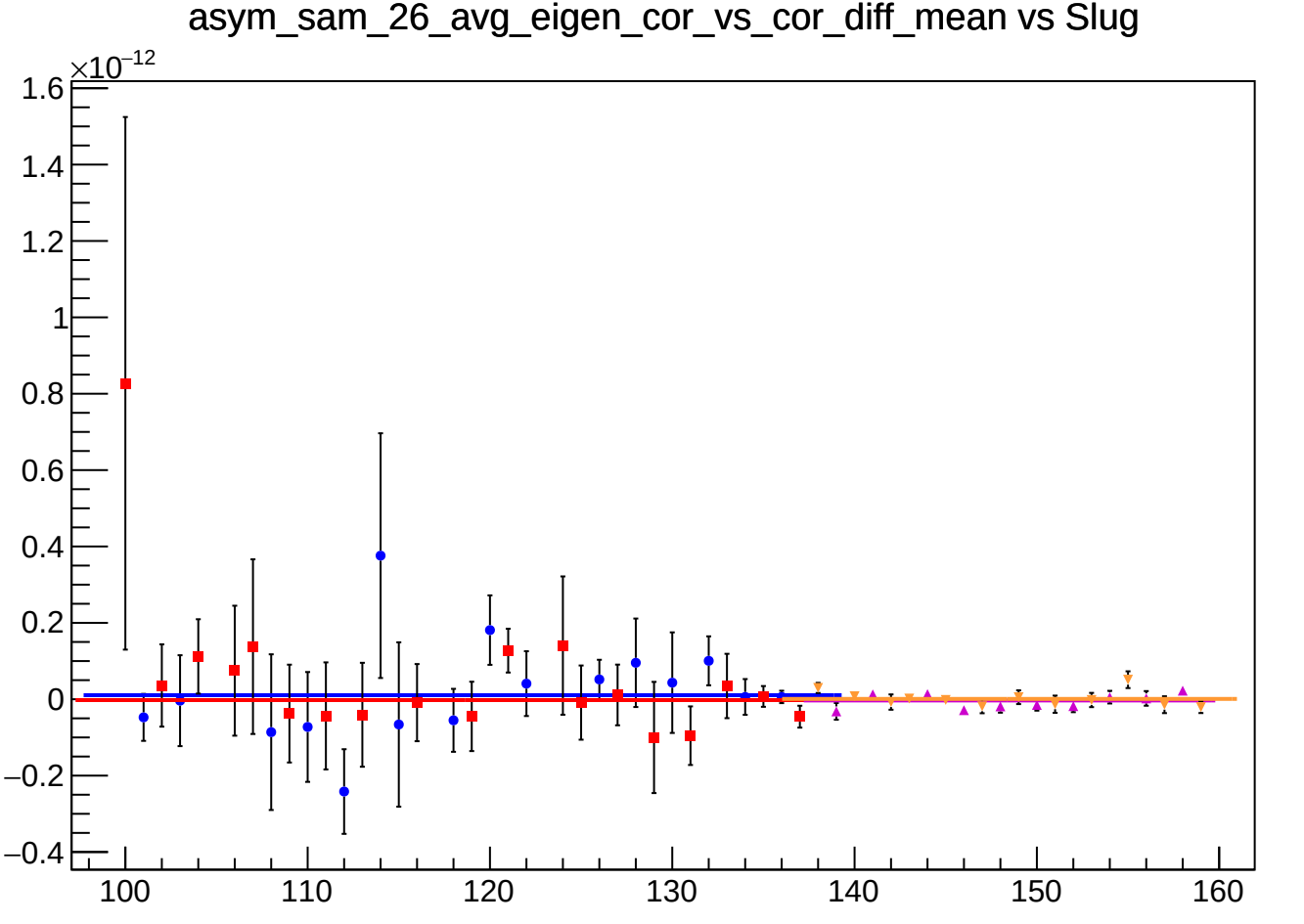
Left In: 0.008+/-0.020 χ^2/NDF:11.5/9

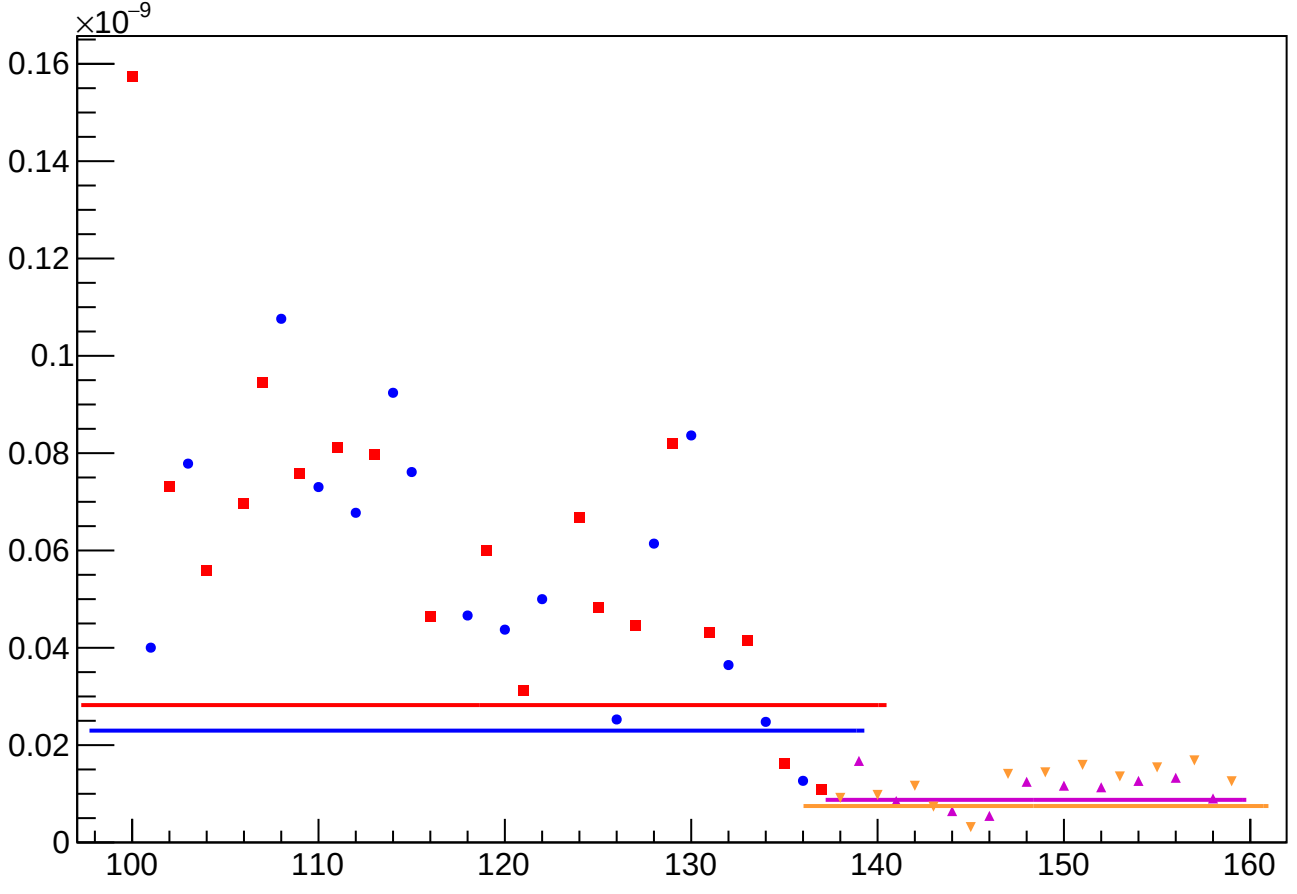
+ sign 0.021+/-0.015 χ^2/NDF: 35.6/27

All: 0.017+/-0.011 χ^2/NDF: 60.5/56

- sign 0.012+/-0.015 χ^2/NDF: 24.7/28


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
180
160
140
120
100
80
60
40
100
110
120
130
140
150
160
Right In: 55.968+/-0.017 χ²/NDF: 2179757.6/15
Left Out: 57.967+/-0.014 χ²/NDF:579034.0/11
Right Out: 56.770+/-0.017 χ²/NDF: 2553168.3/18
Left In: 56.254+/-0.014 χ²/NDF:572691.7/9
+ sign 57.156+/-0.011 χ²/NDF: 2767451.7/27
All: 56.817+/-0.008 χ²/NDF: 5895972.2/56
- sign 56.468+/-0.011 χ²/NDF: 3126424.0/28


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:24.6/9
+ sign 0.000+/-0.000 χ²/NDF: 30.9/27
All: -0.000+/-0.000 χ²/NDF: 70.6/56
- sign -0.000+/-0.000 χ²/NDF: 38.9/28



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

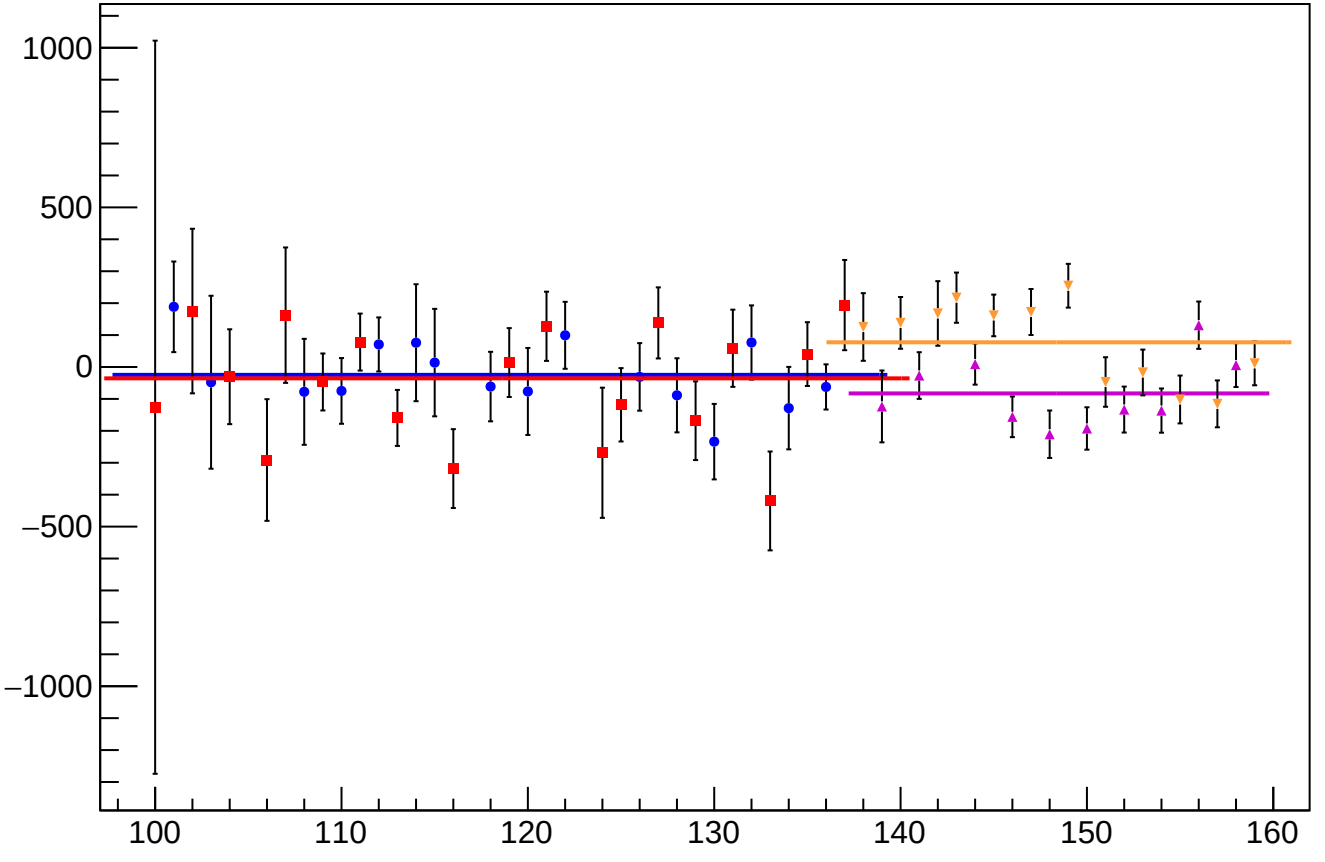
Left In: 0.000+/-0.000 χ^2/NDF:1185818.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 9926156.3/27

All: 0.000+/-0.000 χ^2/NDF: 18048941.2/56

- sign 0.000+/-0.000 χ^2/NDF: 7970610.6/28

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

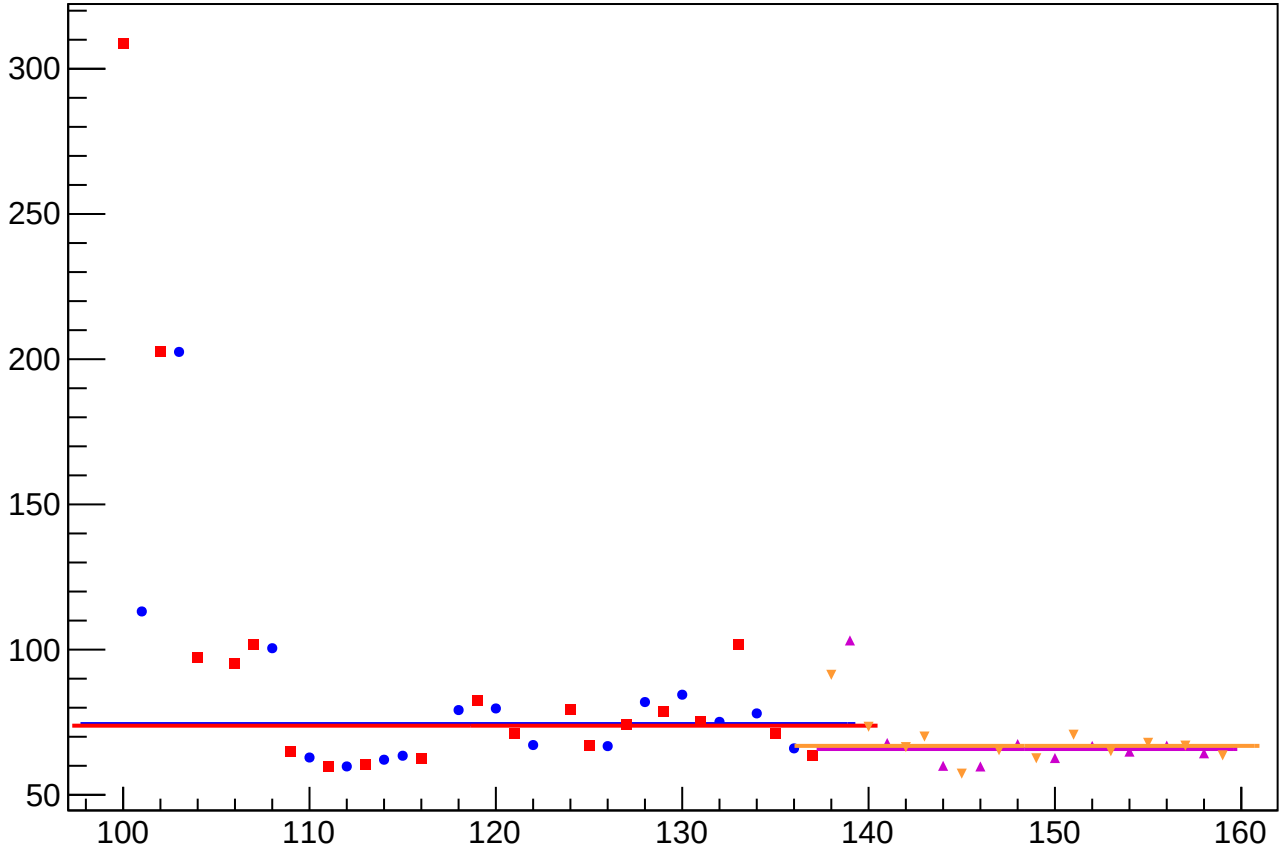
Left In: -82.763+/-22.603 χ^2/NDF:20.9/9

+ sign 40.100+/-17.480 χ^2/NDF: 51.6/27

All: -11.556+/-12.437 χ^2/NDF: 121.9/56

- sign -64.510+/-17.698 χ^2/NDF: 52.6/28

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

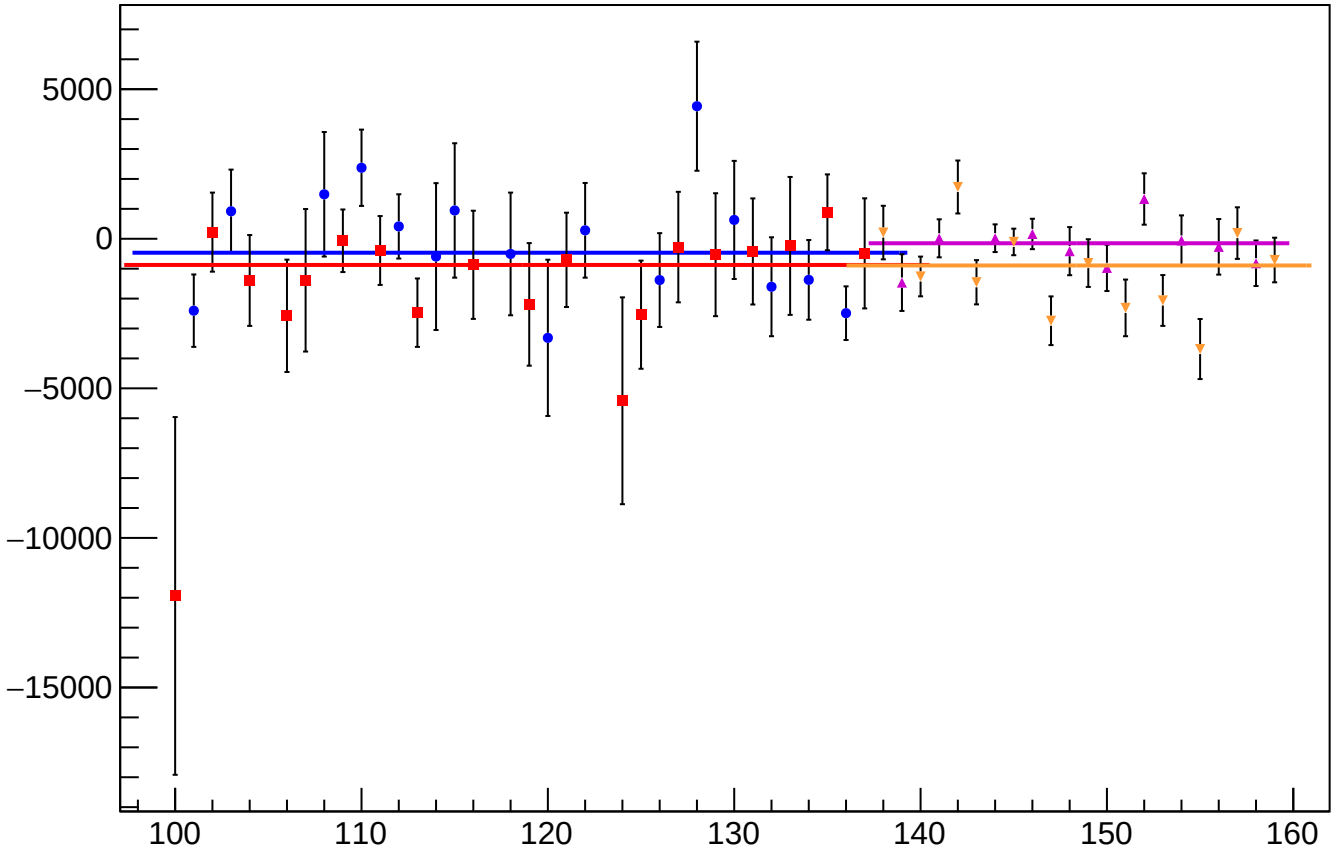
Left In: 65.779+/-0.016 χ^2/NDF:263866.6/9

+ sign 69.604+/-0.012 χ^2/NDF: 1099162.0/27

All: 69.250+/-0.009 χ^2/NDF: 2394447.5/56

- sign 68.888+/-0.013 χ^2/NDF: 1293627.3/28

asym_sam_37_avg_reg_correction_mean vs Slug



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

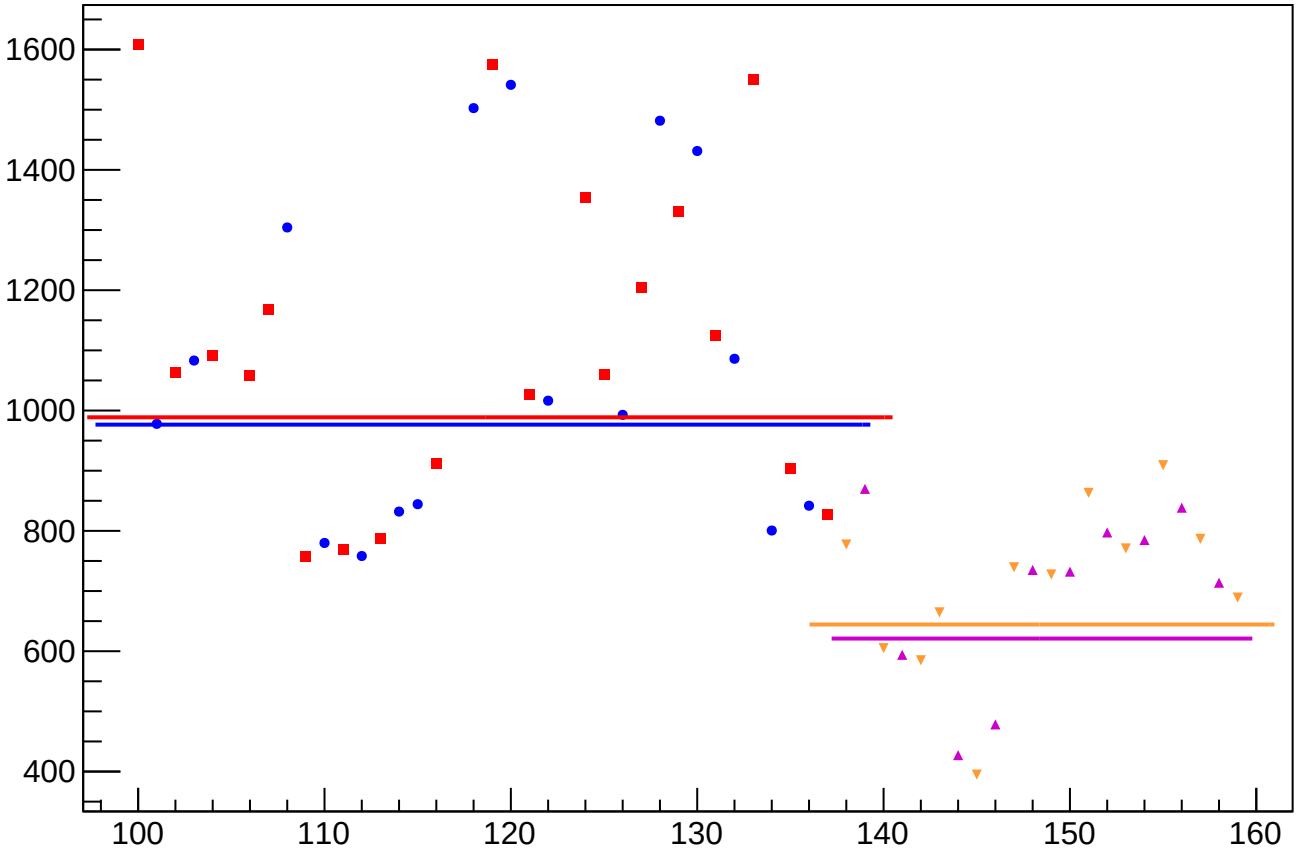
Left In: -150.107+/-218.210 χ^2/NDF:7.5/9

+ sign -786.372+/-187.227 χ^2/NDF: 57.7/27

All: -562.209+/-132.750 χ^2/NDF: 83.9/56

- sign -335.591+/-188.249 χ^2/NDF: 23.4/28

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

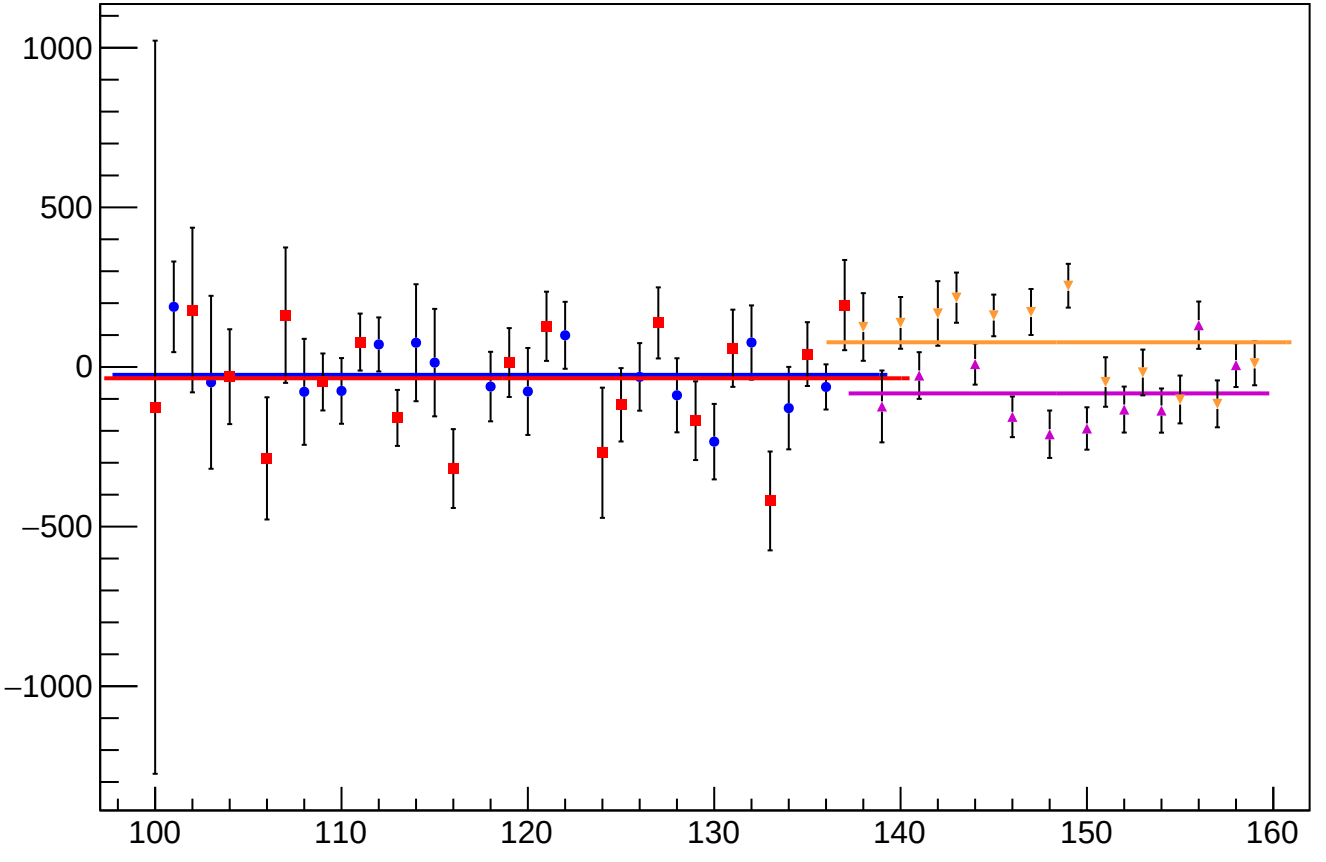
Left In: 621.022+/-0.154 χ^2/NDF:1030677.9/9

+ sign 727.188+/-0.132 χ^2/NDF: 3008911.2/27

All: 721.163+/-0.094 χ^2/NDF: 6212195.5/56

- sign 715.073+/-0.133 χ^2/NDF: 3199120.6/28

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

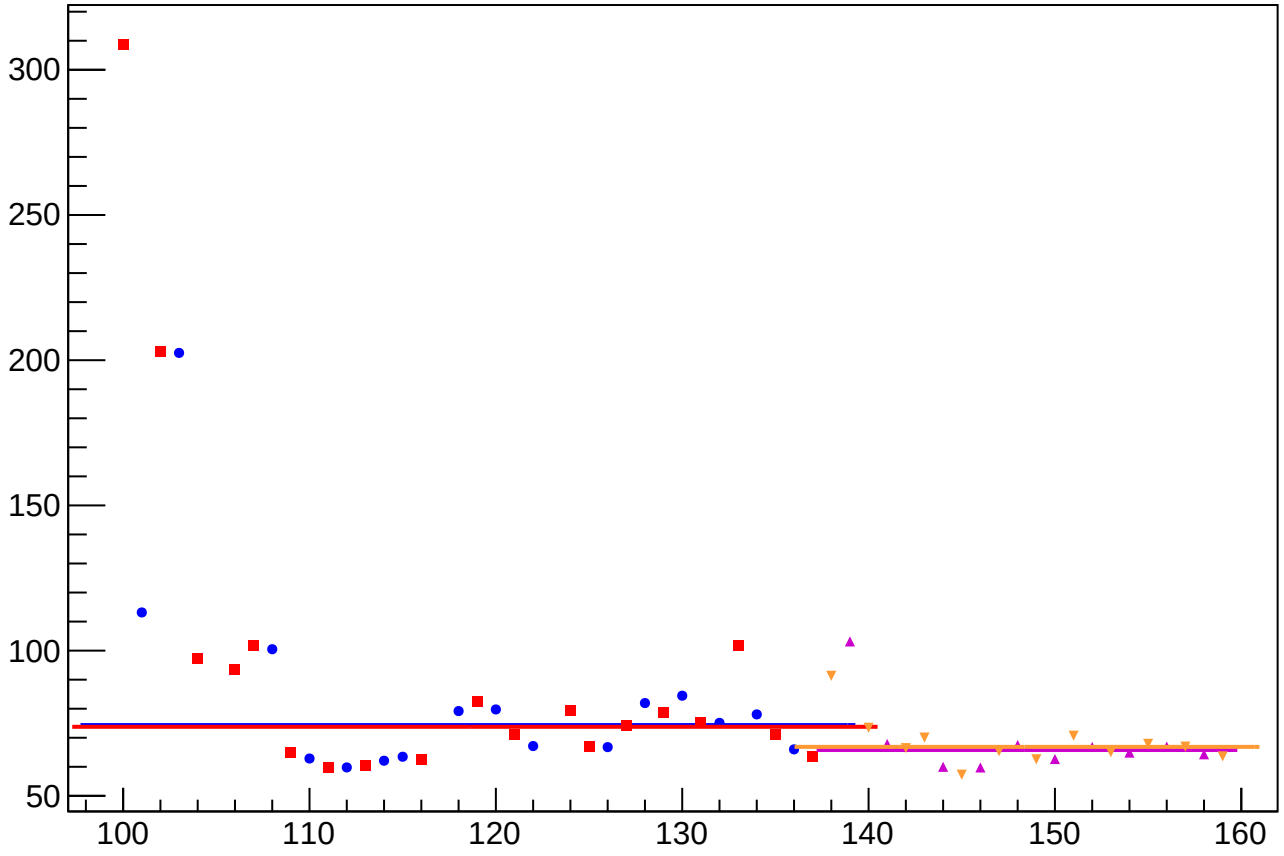
Left In: -82.766+/-22.603 χ^2/NDF:20.9/9

+ sign 40.099+/-17.480 χ^2/NDF: 51.6/27

All: -11.518+/-12.437 χ^2/NDF: 121.8/56

- sign -64.437+/-17.699 χ^2/NDF: 52.6/28

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

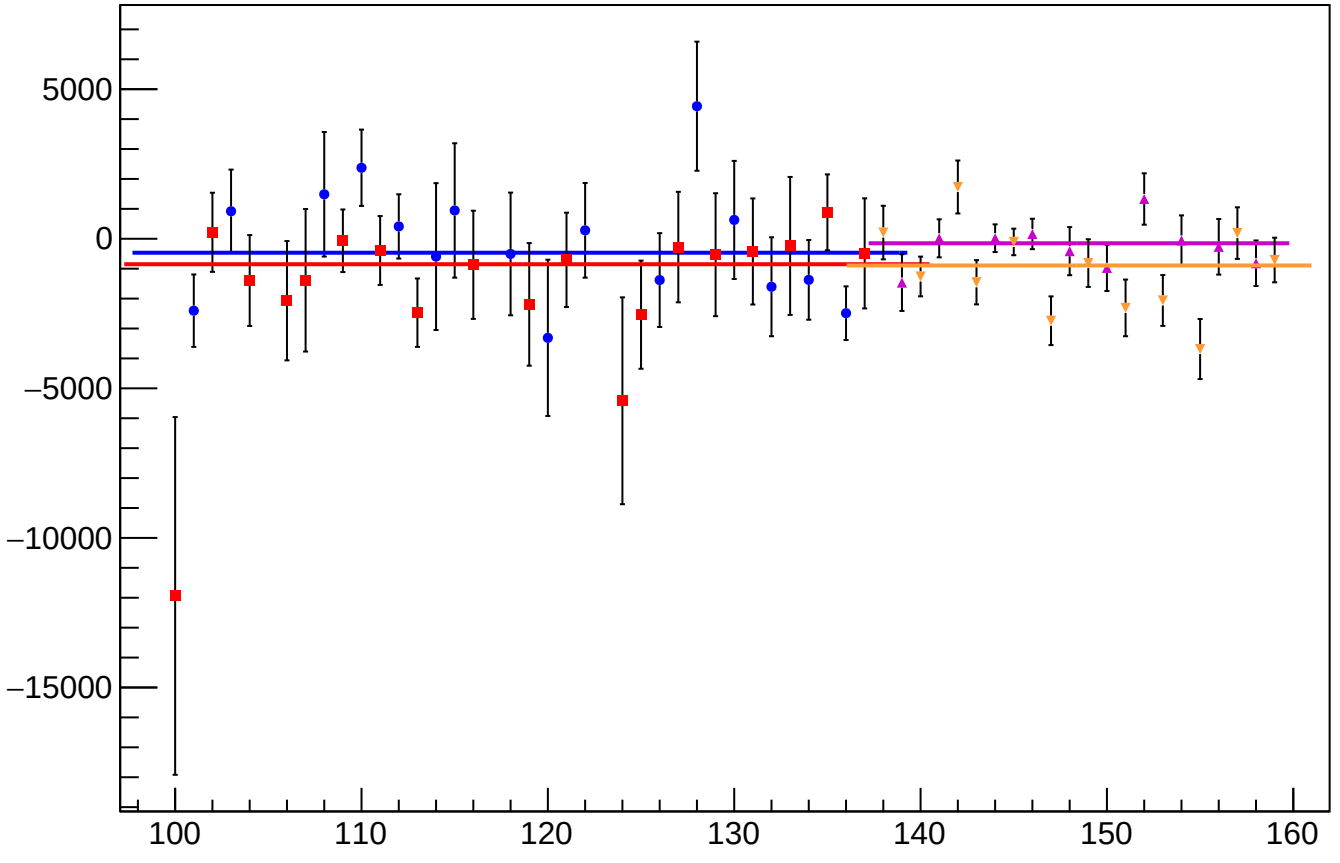
Left In: 65.779+/-0.016 χ^2/NDF:263866.5/9

+ sign 69.604+/-0.012 χ^2/NDF: 1099164.0/27

All: 69.242+/-0.009 χ^2/NDF: 2389713.5/56

- sign 68.871+/-0.013 χ^2/NDF: 1288813.8/28

asym_sam_37_avg_cor_correction_mean vs Slug



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

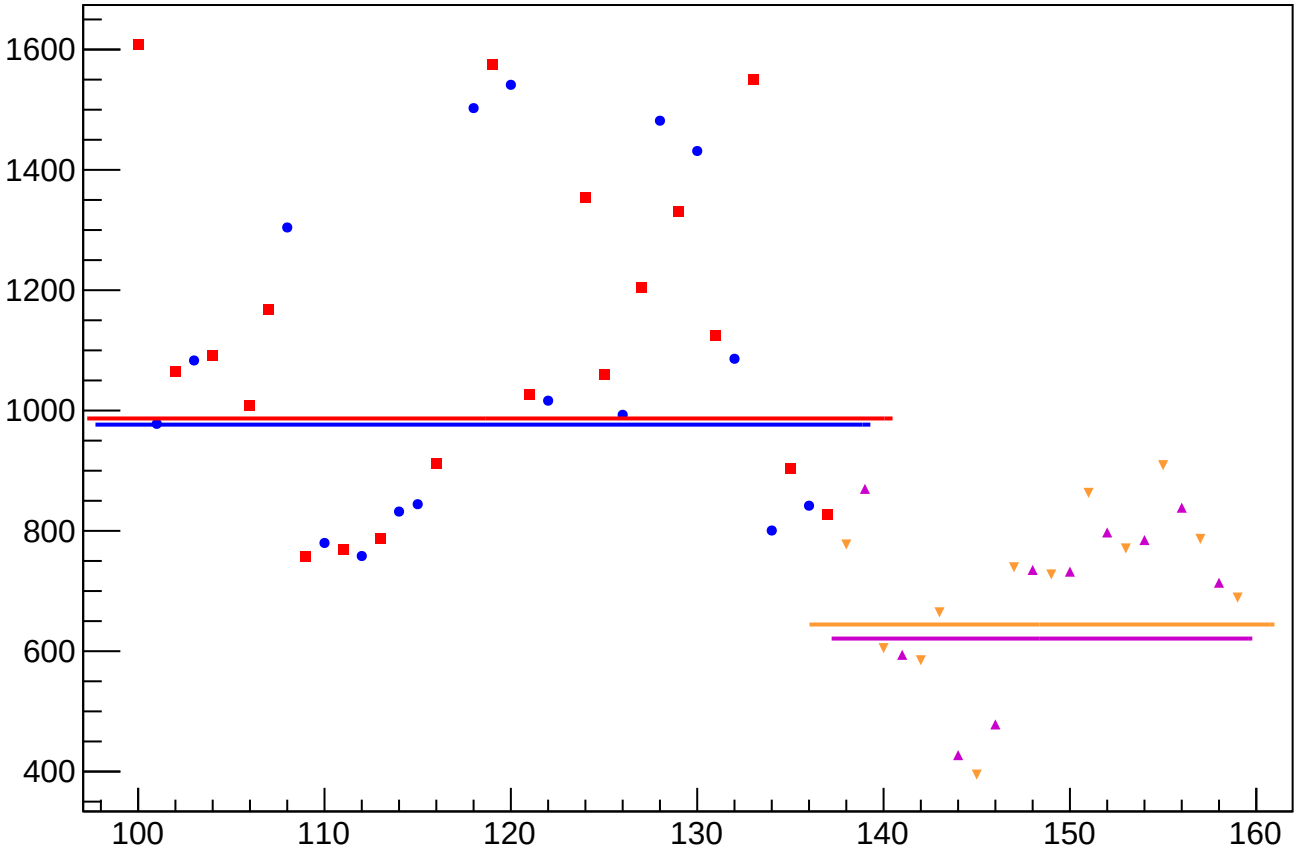
Left In: -150.109+/-218.210 χ^2/NDF:7.5/9

+ sign -786.368+/-187.228 χ^2/NDF: 57.7/27

All: -558.909+/-132.788 χ^2/NDF: 83.4/56

- sign -328.693+/-188.359 χ^2/NDF: 22.7/28

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

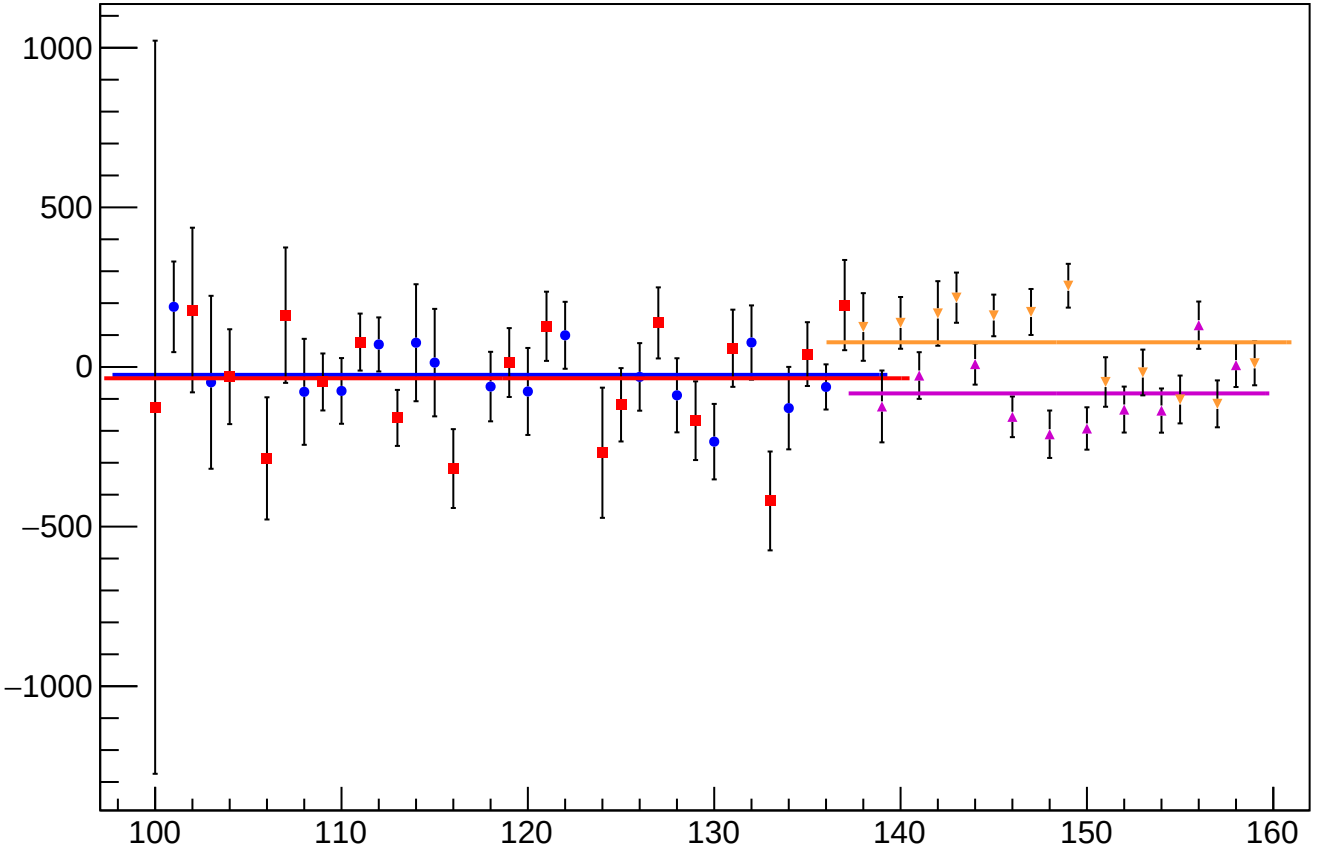
Left In: 621.022+/-0.154 χ^2/NDF:1030678.9/9

+ sign 727.188+/-0.132 χ^2/NDF: 3008965.7/27

All: 720.762+/-0.094 χ^2/NDF: 6190260.3/56

- sign 714.259+/-0.133 χ^2/NDF: 3176554.5/28

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

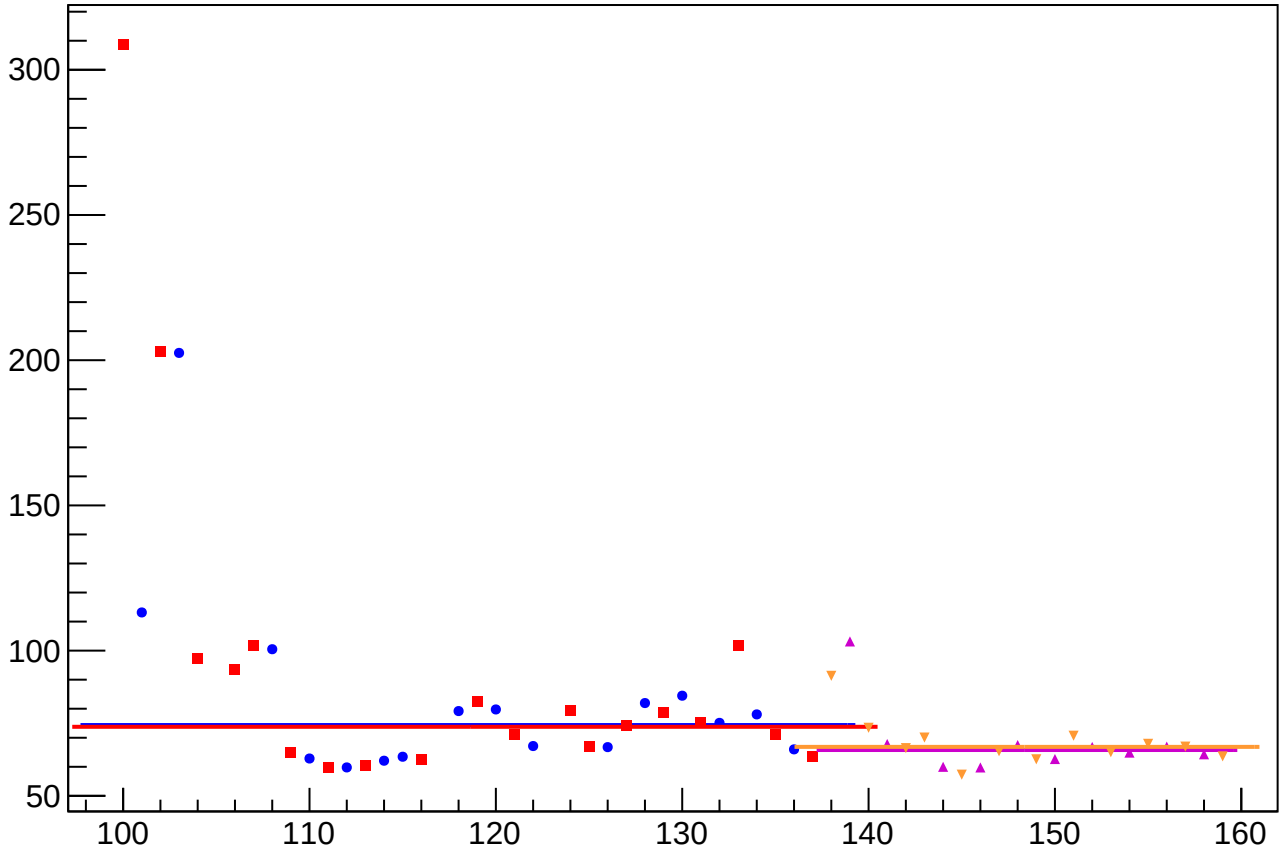
Left In: -82.766+/-22.603 χ^2/NDF:20.9/9

+ sign 40.099+/-17.480 χ^2/NDF: 51.6/27

All: -11.518+/-12.437 χ^2/NDF: 121.8/56

- sign -64.437+/-17.699 χ^2/NDF: 52.6/28

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

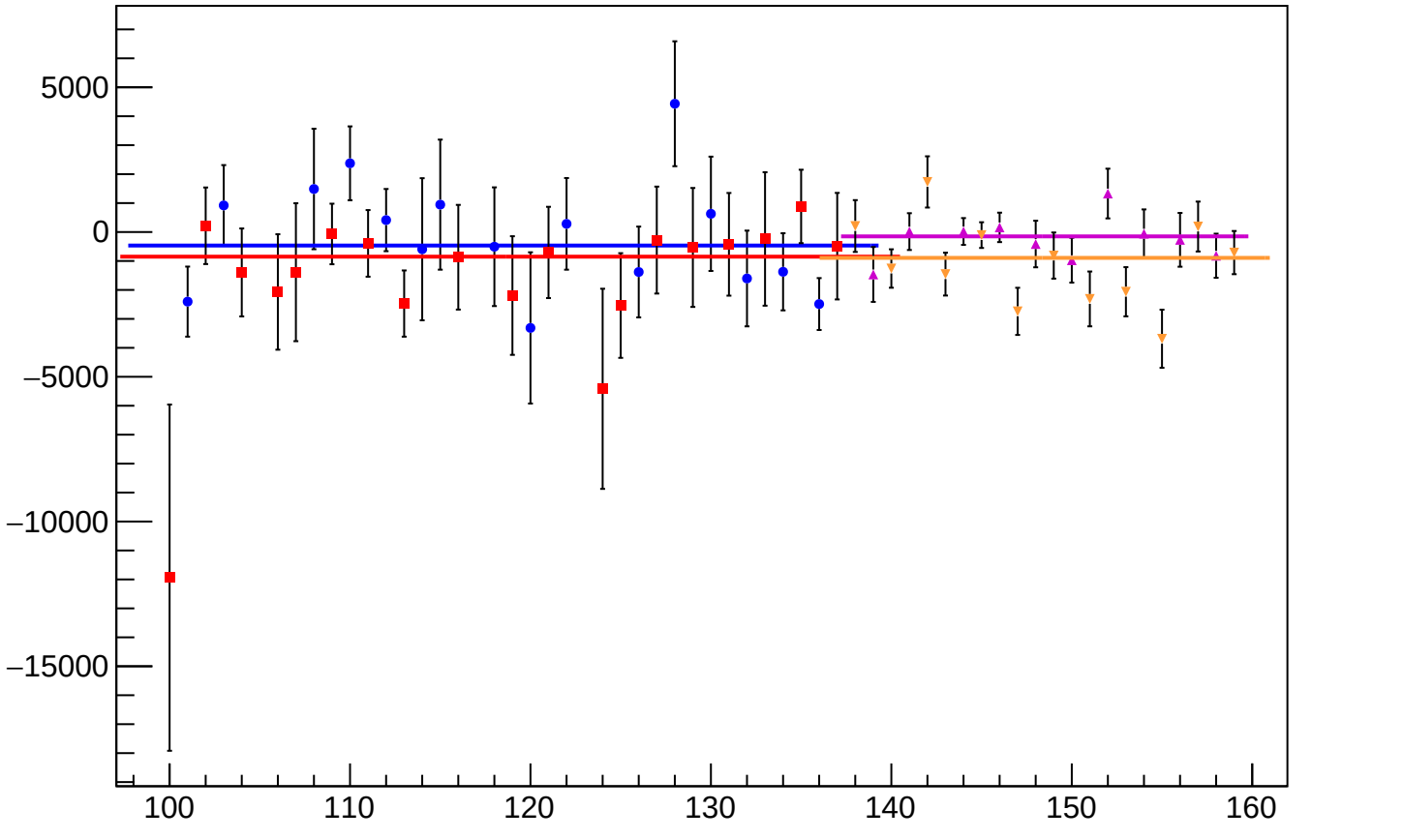
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.779+/-0.016 χ^2/NDF:263866.5/9

+ sign 69.604+/-0.012 χ^2/NDF: 1099164.0/27

All: 69.242+/-0.009 χ^2/NDF: 2389713.5/56

- sign 68.871+/-0.013 χ^2/NDF: 1288813.8/28



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

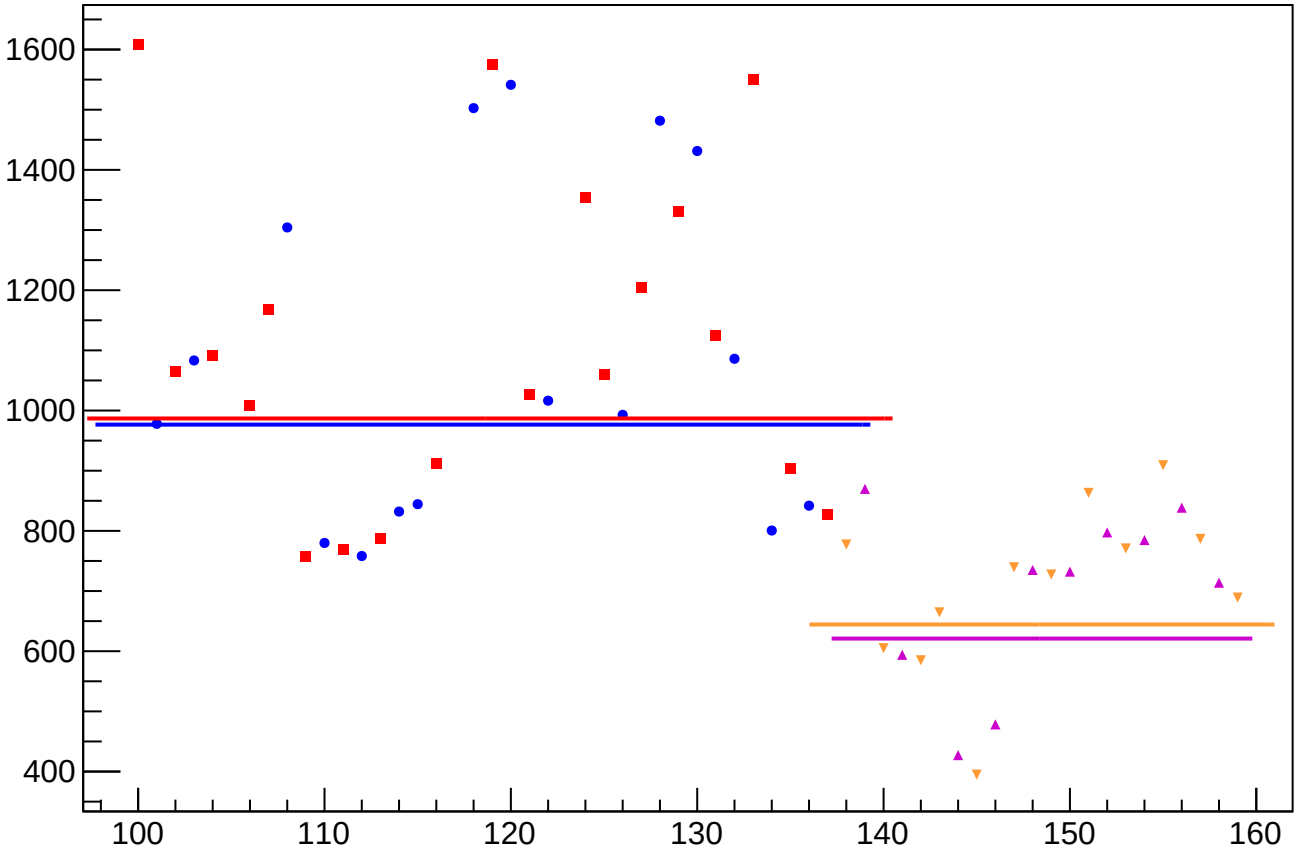
Left In: -150.109+/-218.210 χ^2/NDF:7.5/9

+ sign -786.368+/-187.228 χ^2/NDF: 57.7/27

All: -558.909+/-132.788 χ^2/NDF: 83.4/56

- sign -328.693+/-188.359 χ^2/NDF: 22.7/28

asym_sam_37_avg_eigen_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

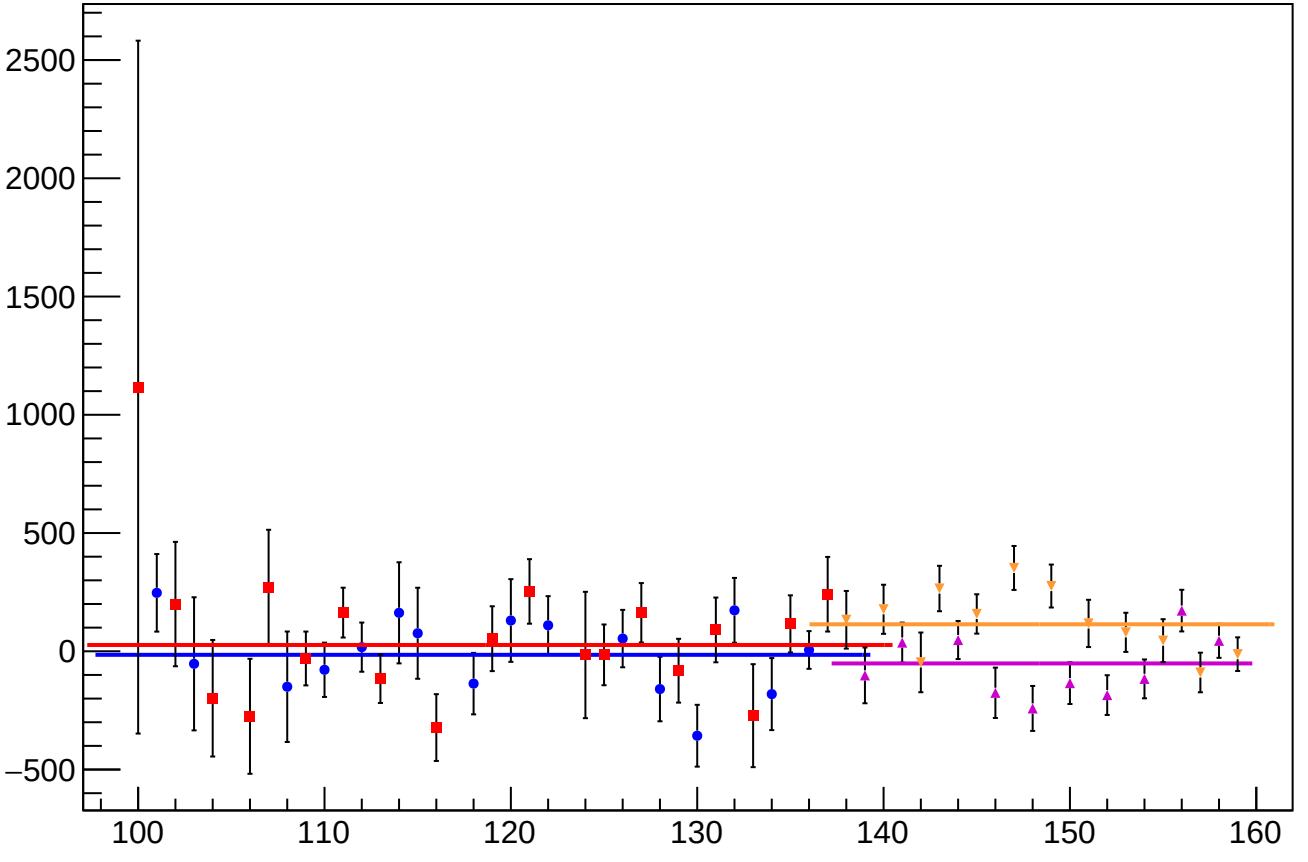
Left In: 621.022+/-0.154 χ^2/NDF:1030678.9/9

+ sign 727.188+/-0.132 χ^2/NDF: 3008965.7/27

All: 720.762+/-0.094 χ^2/NDF: 6190260.3/56

- sign 714.259+/-0.133 χ^2/NDF: 3176554.5/28

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

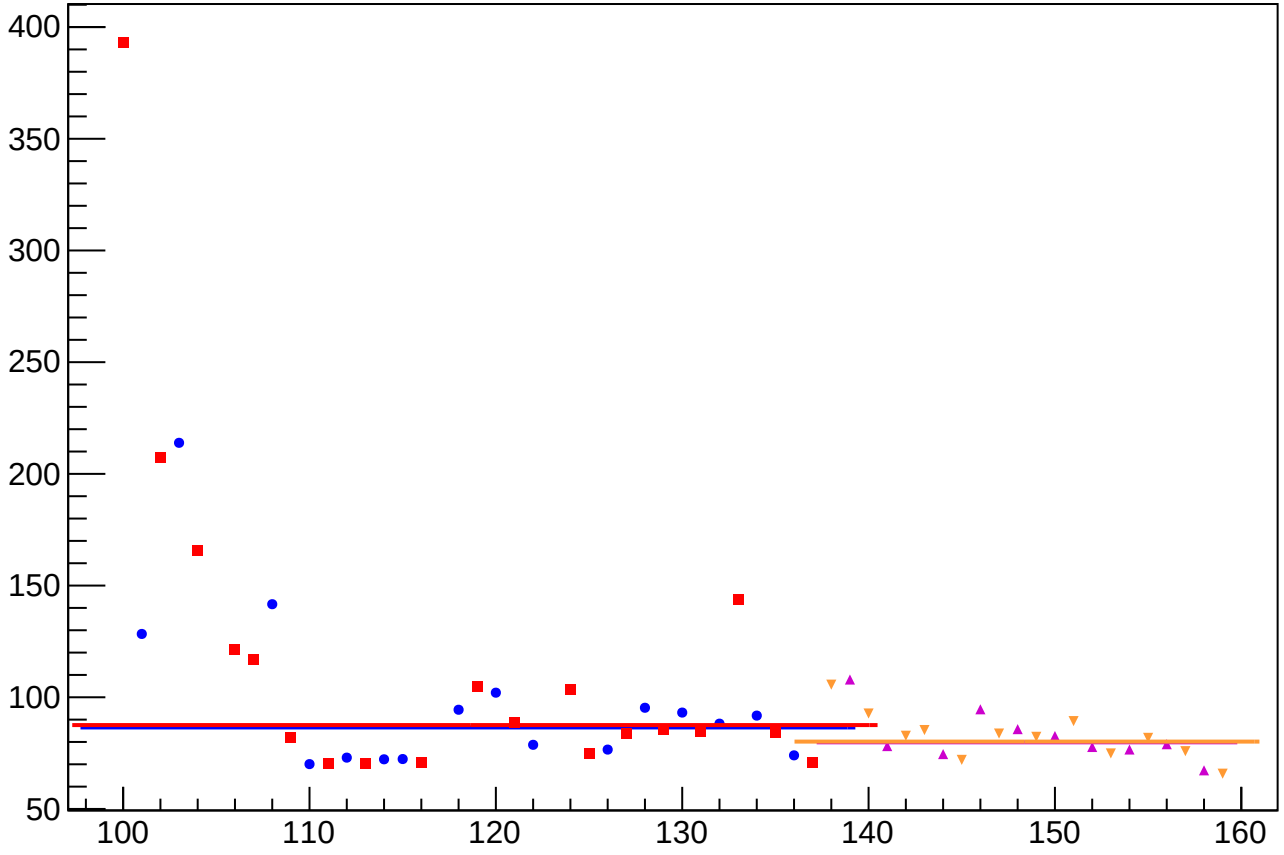
Left In: -51.388+/-27.678 χ^2/NDF:20.4/9

+ sign 64.874+/-20.861 χ^2/NDF: 51.7/27

All: 23.508+/-14.966 χ^2/NDF: 106.9/56

- sign -20.363+/-21.483 χ^2/NDF: 47.2/28

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

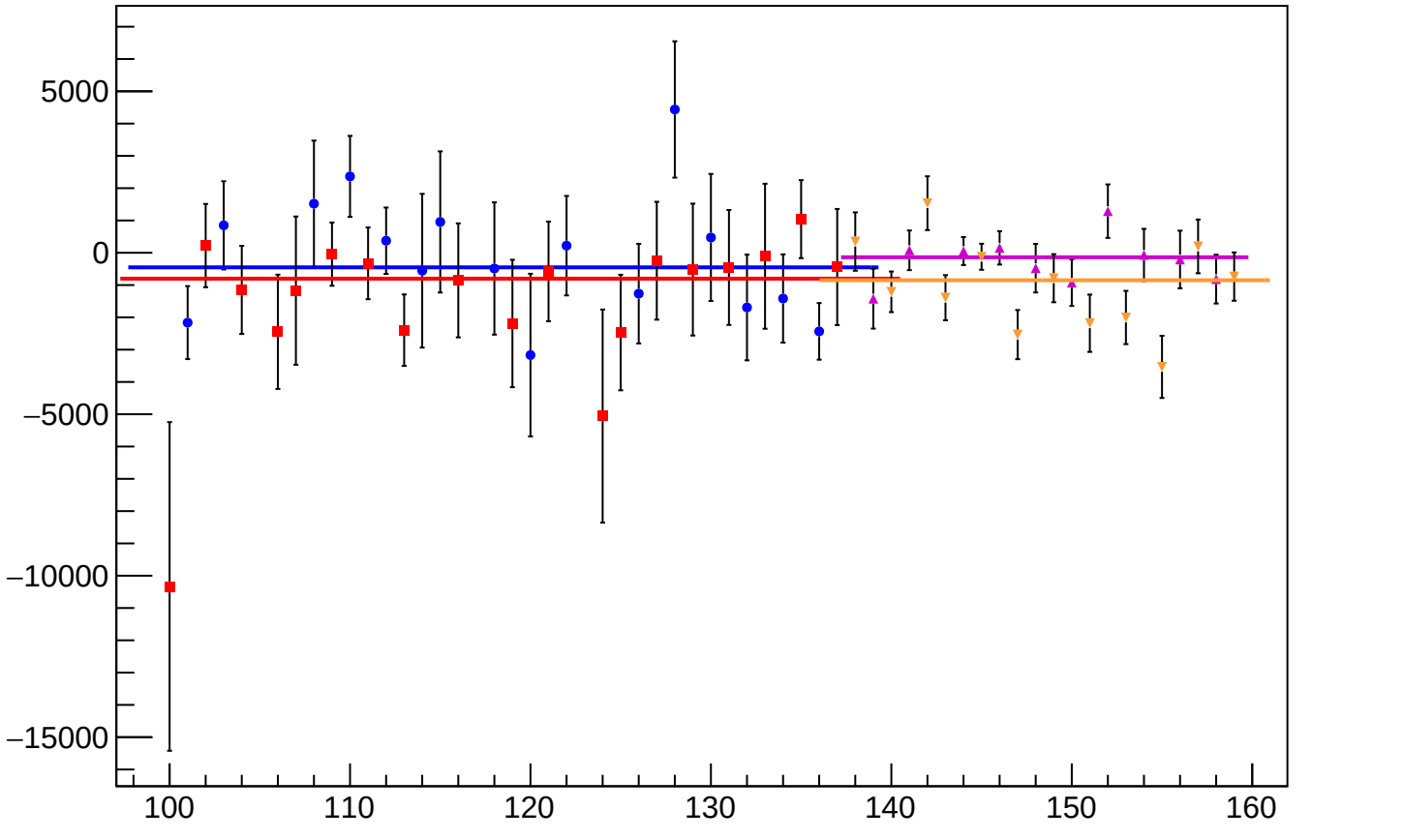
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 79.833+/-0.020 χ^2/NDF:236560.8/9

+ sign 82.576+/-0.015 χ^2/NDF: 1159044.6/27

All: 82.735+/-0.011 χ^2/NDF: 2587513.3/56

- sign 82.903+/-0.015 χ^2/NDF: 1428231.1/28



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

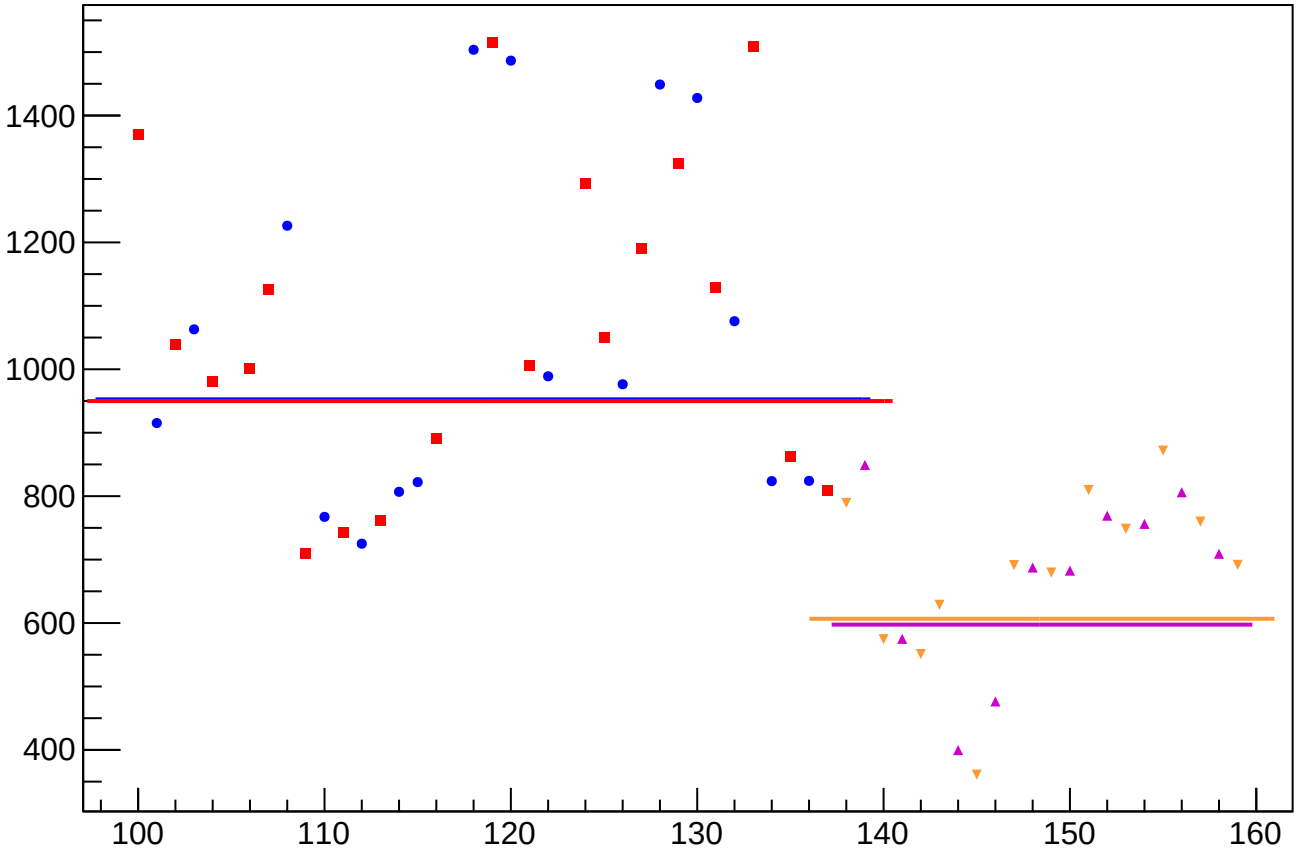
Left In: -139.025+/-210.396 χ^2/NDF:7.7/9

+ sign -755.640+/-178.283 χ^2/NDF: 57.3/27

All: -536.213+/-127.143 χ^2/NDF: 84.2/56

- sign -309.115+/-181.373 χ^2/NDF: 23.9/28

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

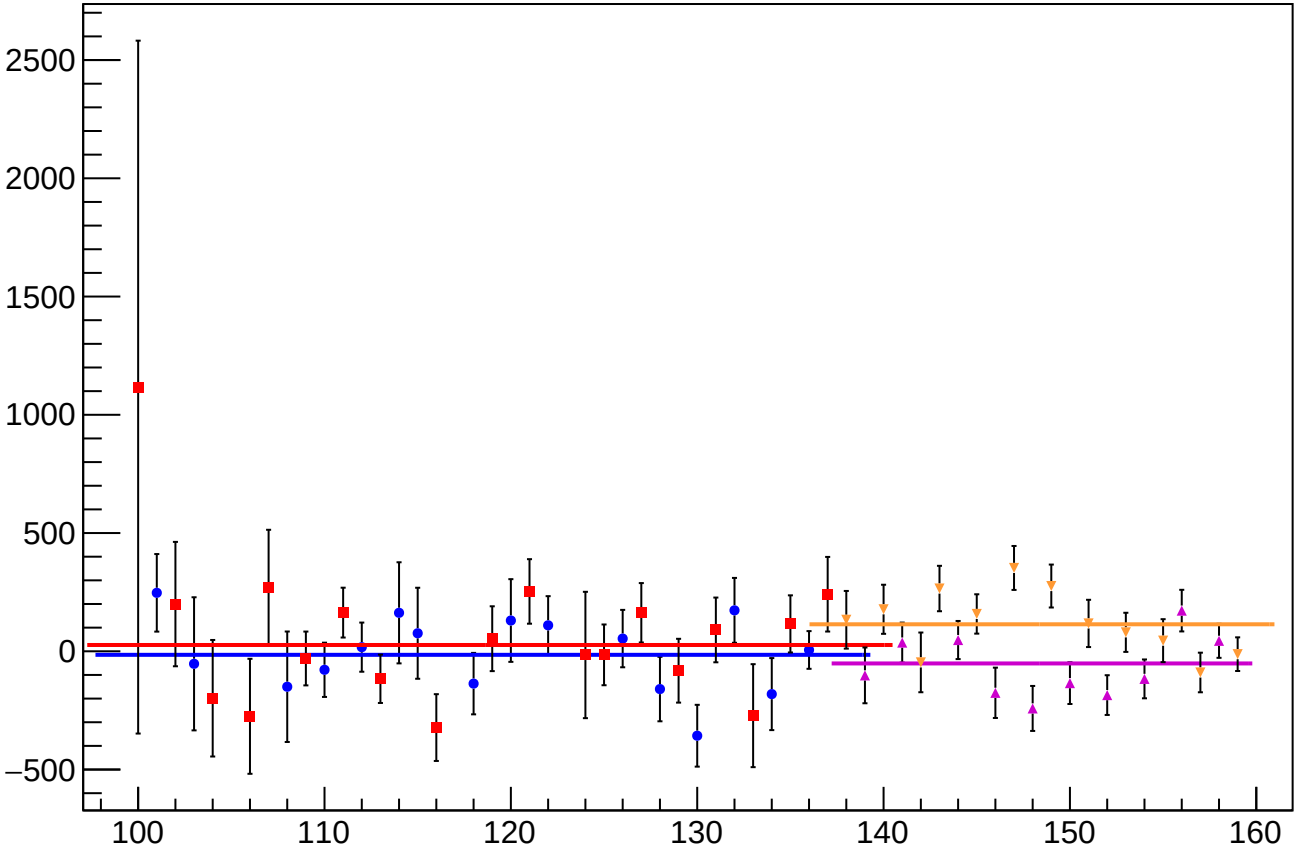
Left In: 597.443+/-0.149 χ^2/NDF:1050878.2/9

\+ sign 688.937+/-0.126 χ^2/NDF: 3403822.8/27

All: 688.464+/-0.090 χ^2/NDF: 6648017.5/56

\- sign 687.974+/-0.128 χ^2/NDF: 3244166.0/28

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

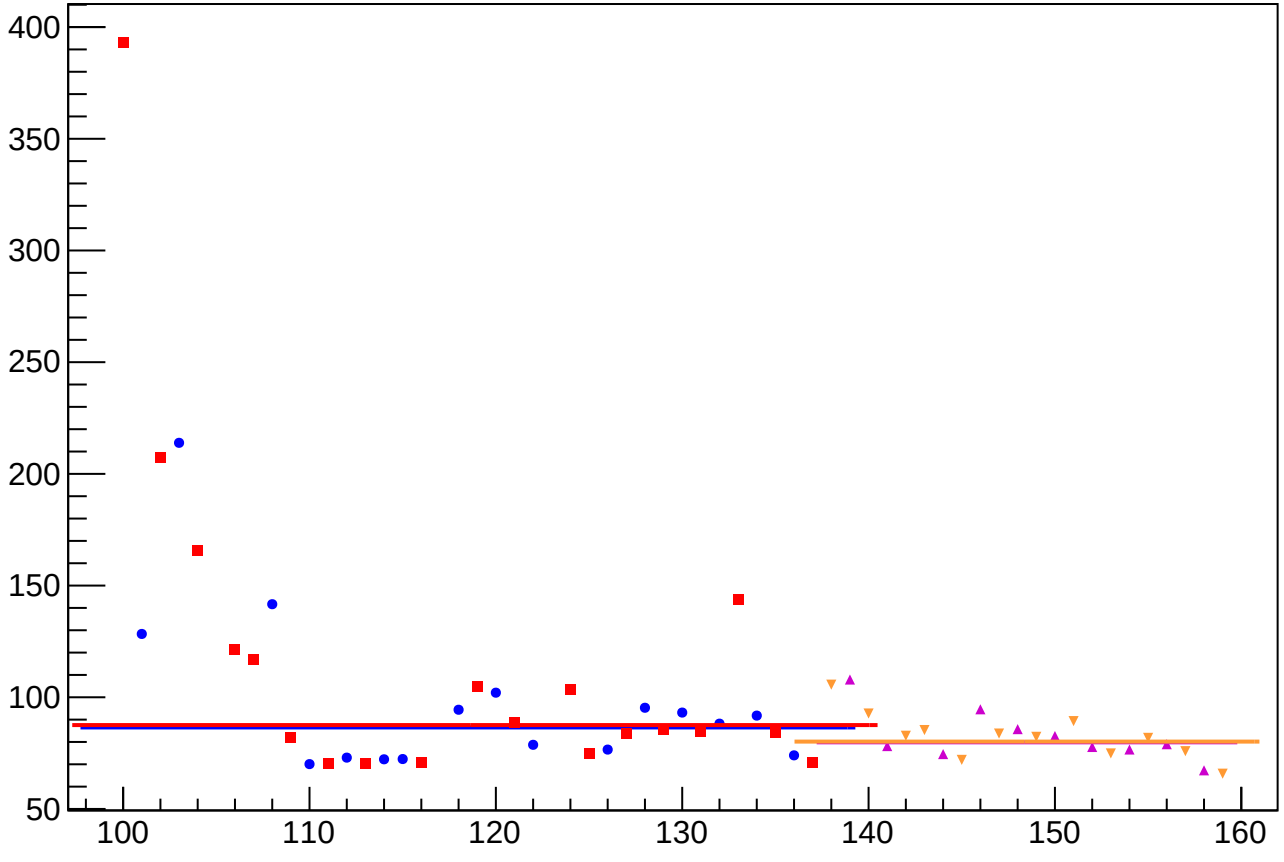
Left In: -51.388+/-27.678 χ^2/NDF:20.4/9

+ sign 64.875+/-20.861 χ^2/NDF: 51.7/27

All: 23.509+/-14.966 χ^2/NDF: 106.9/56

- sign -20.361+/-21.483 χ^2/NDF: 47.2/28

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

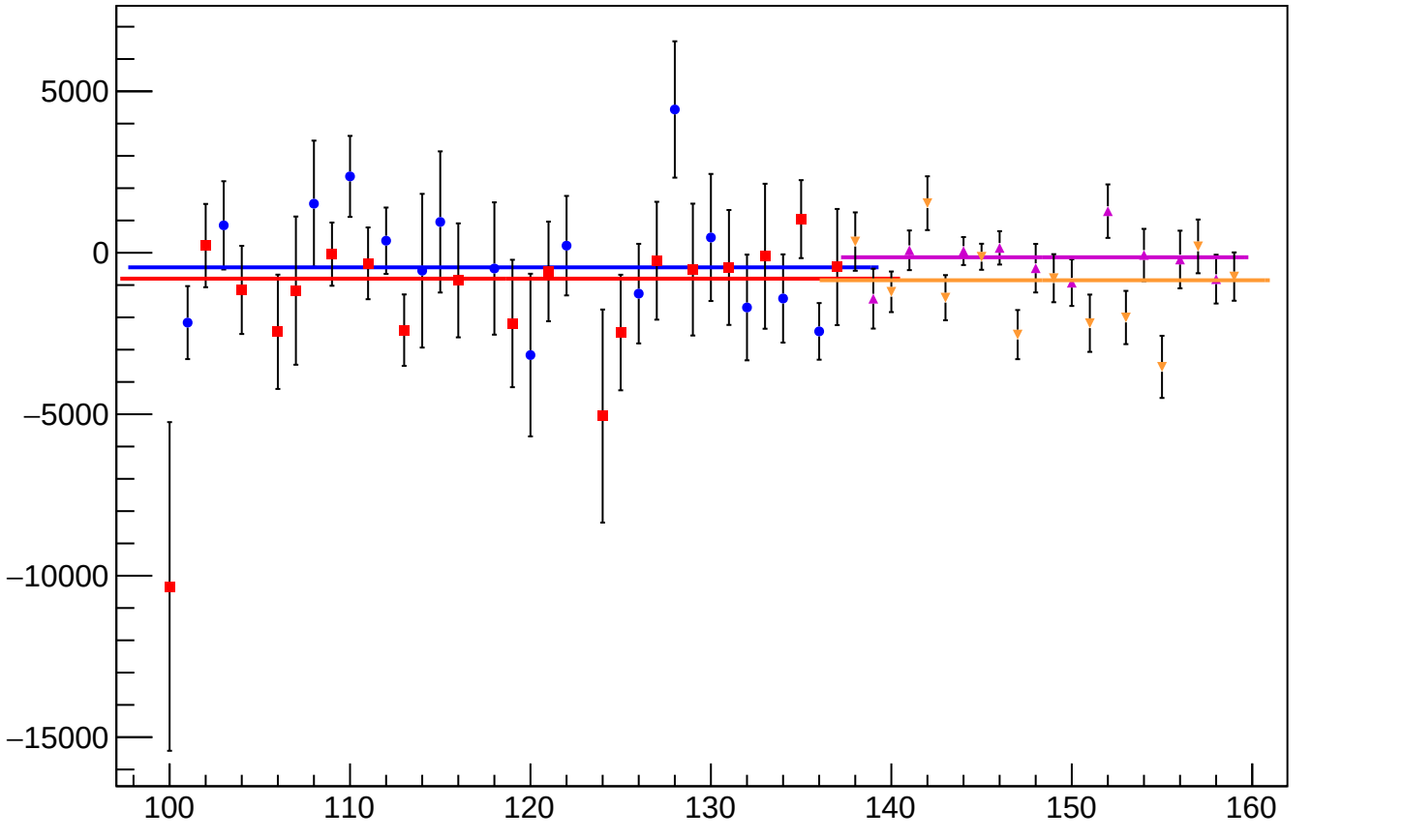
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 79.834+/-0.020 χ^2/NDF:236560.0/9

+ sign 82.577+/-0.015 χ^2/NDF: 1159040.1/27

All: 82.735+/-0.011 χ^2/NDF: 2587507.1/56

- sign 82.903+/-0.015 χ^2/NDF: 1428229.3/28



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -850.561+/-204.207 χ^2/NDF:32.6/11

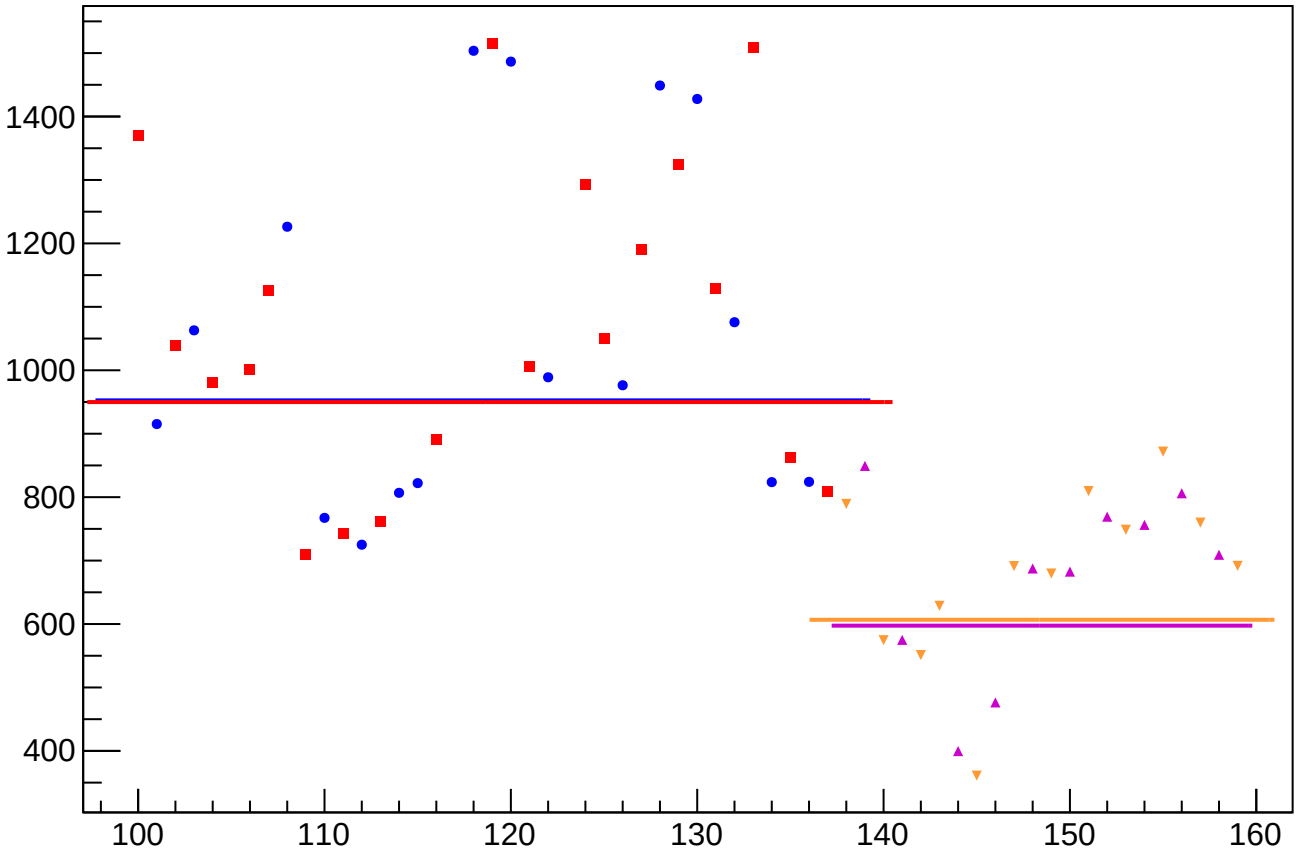
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -139.024+/-210.396 χ^2/NDF:7.7/9

+ sign -755.639+/-178.283 χ^2/NDF: 57.3/27

All: -536.213+/-127.143 χ^2/NDF: 84.2/56

- sign -309.115+/-181.372 χ^2/NDF: 23.9/28



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

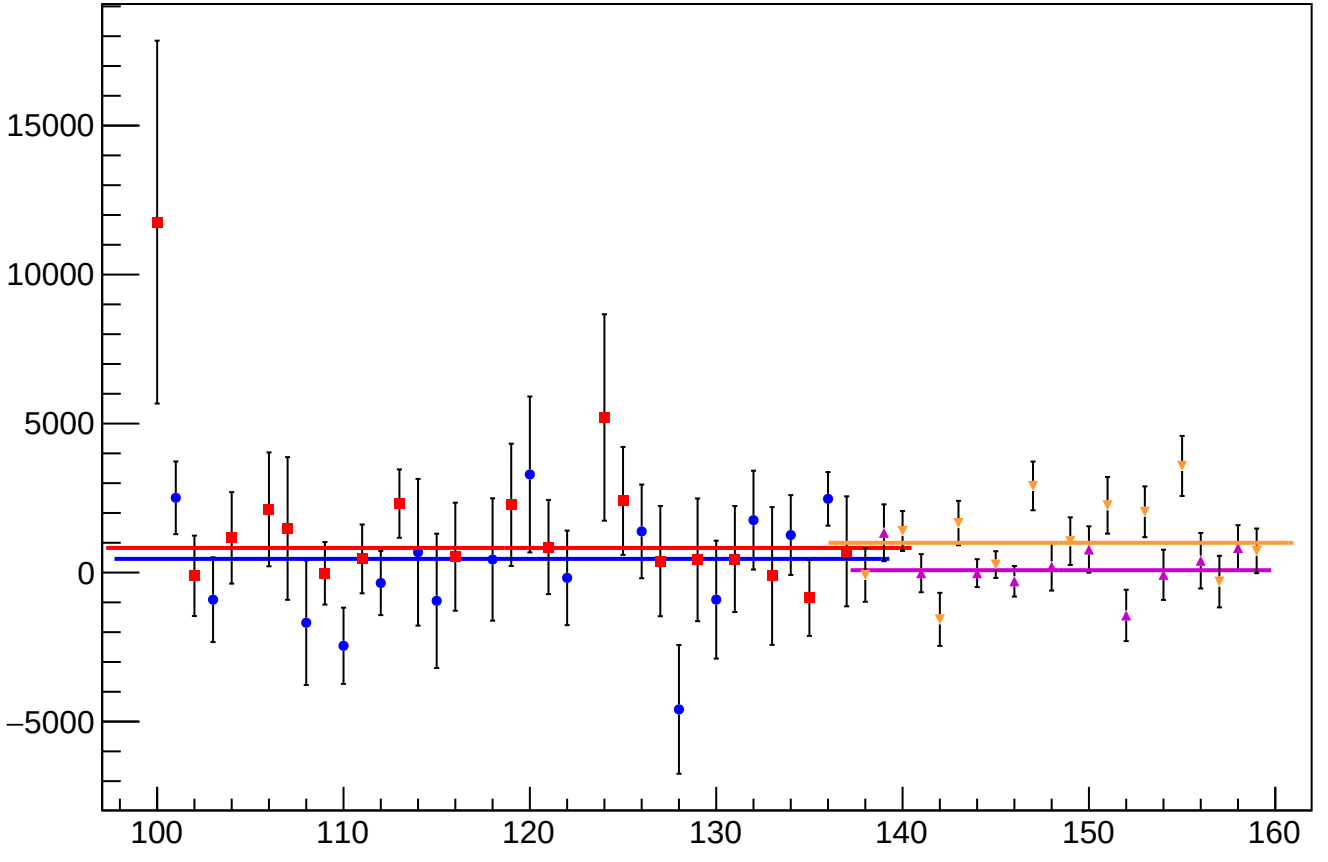
Left In: 597.443+/-0.149 χ^2/NDF:1050877.7/9

+ sign 688.937+/-0.126 χ^2/NDF: 3403823.0/27

All: 688.463+/-0.090 χ^2/NDF: 6648011.4/56

- sign 687.974+/-0.128 χ^2/NDF: 3244159.7/28

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

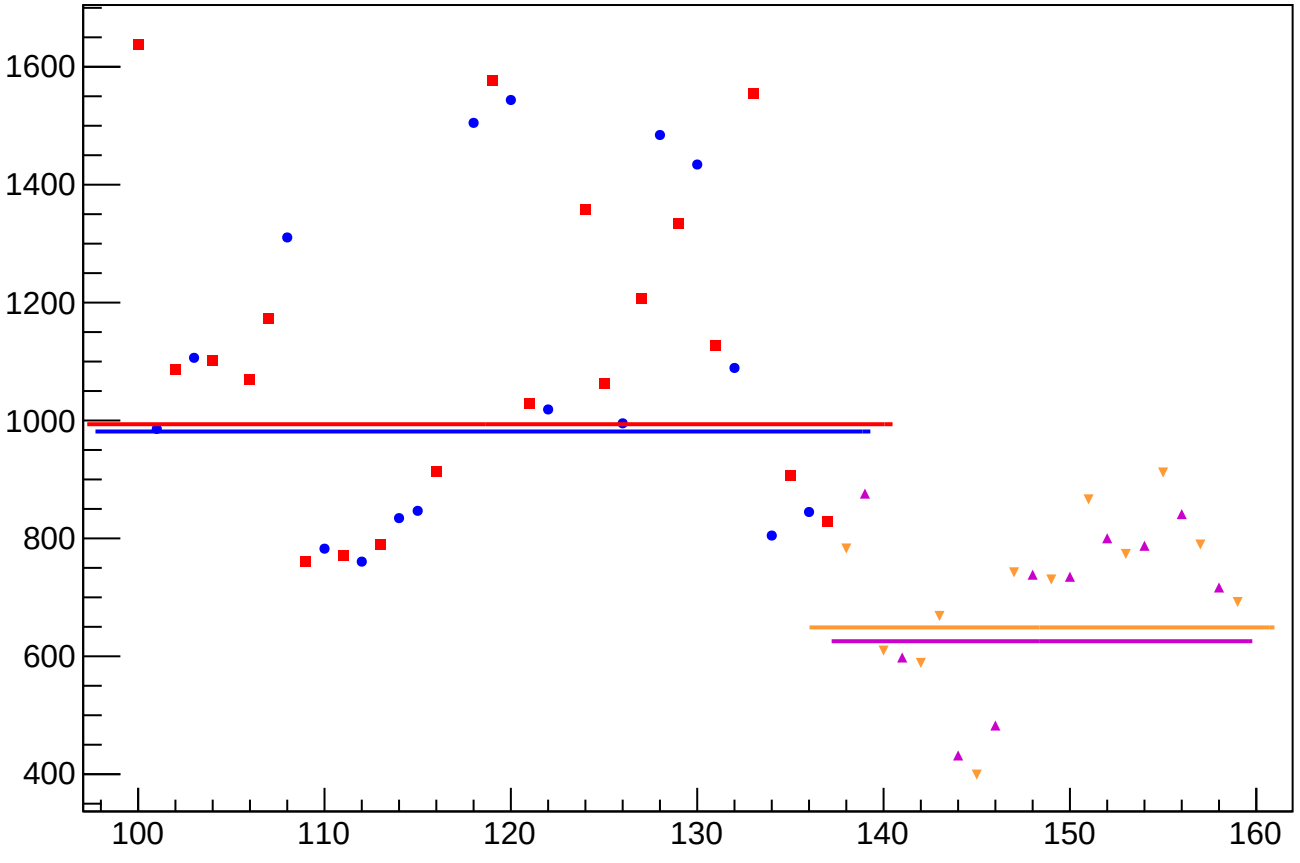
Left In: 79.452+/-219.670 χ^2/NDF:7.4/9

+ sign 863.531+/-188.366 χ^2/NDF: 57.3/27

All: 568.904+/-133.575 χ^2/NDF: 84.2/56

- sign 270.890+/-189.446 χ^2/NDF: 22.0/28

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

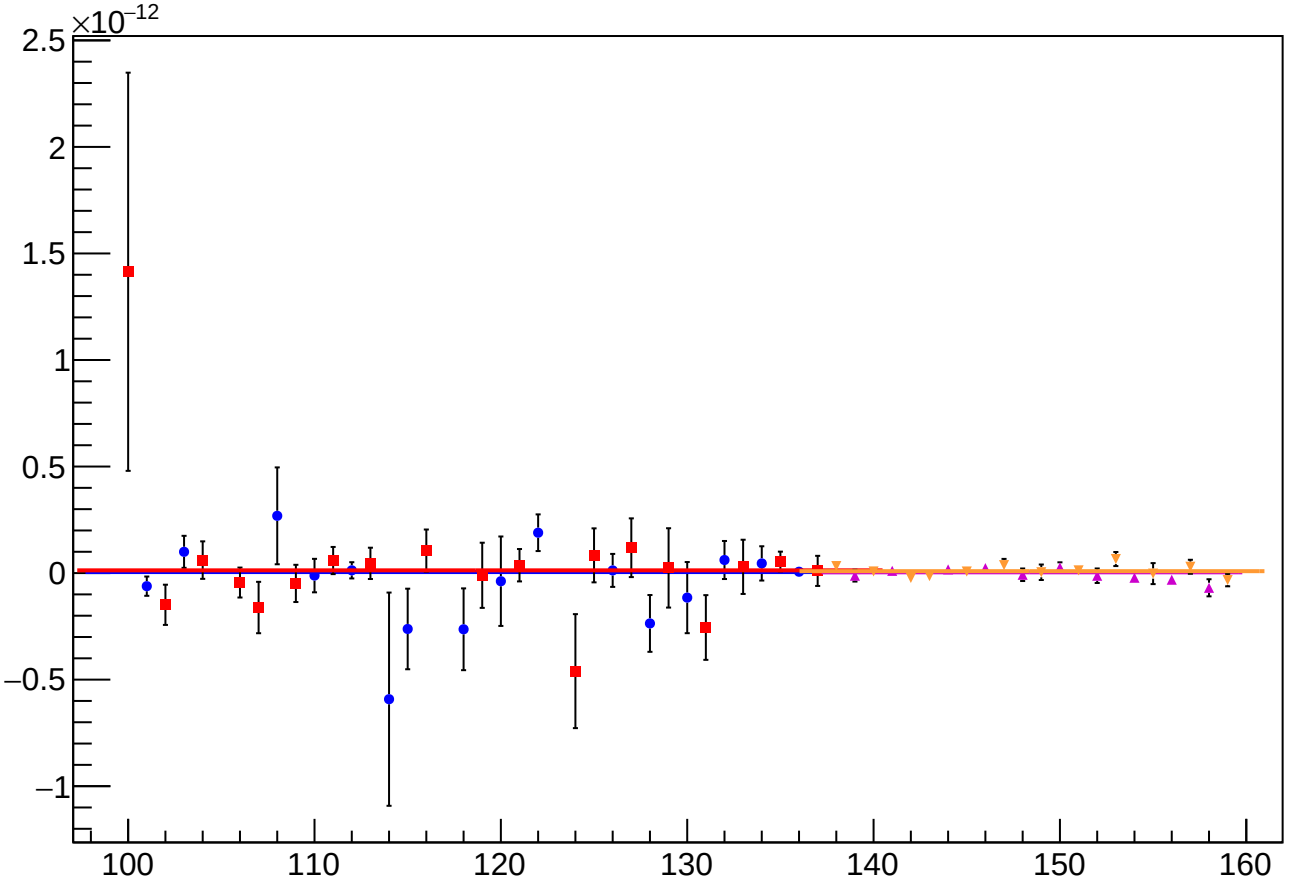
Left In: 625.585+/-0.155 χ^2/NDF:1010459.0/9

+ sign 732.017+/-0.133 χ^2/NDF: 2974296.5/27

All: 725.998+/-0.094 χ^2/NDF: 6147720.4/56

- sign 719.910+/-0.134 χ^2/NDF: 3169316.3/28

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

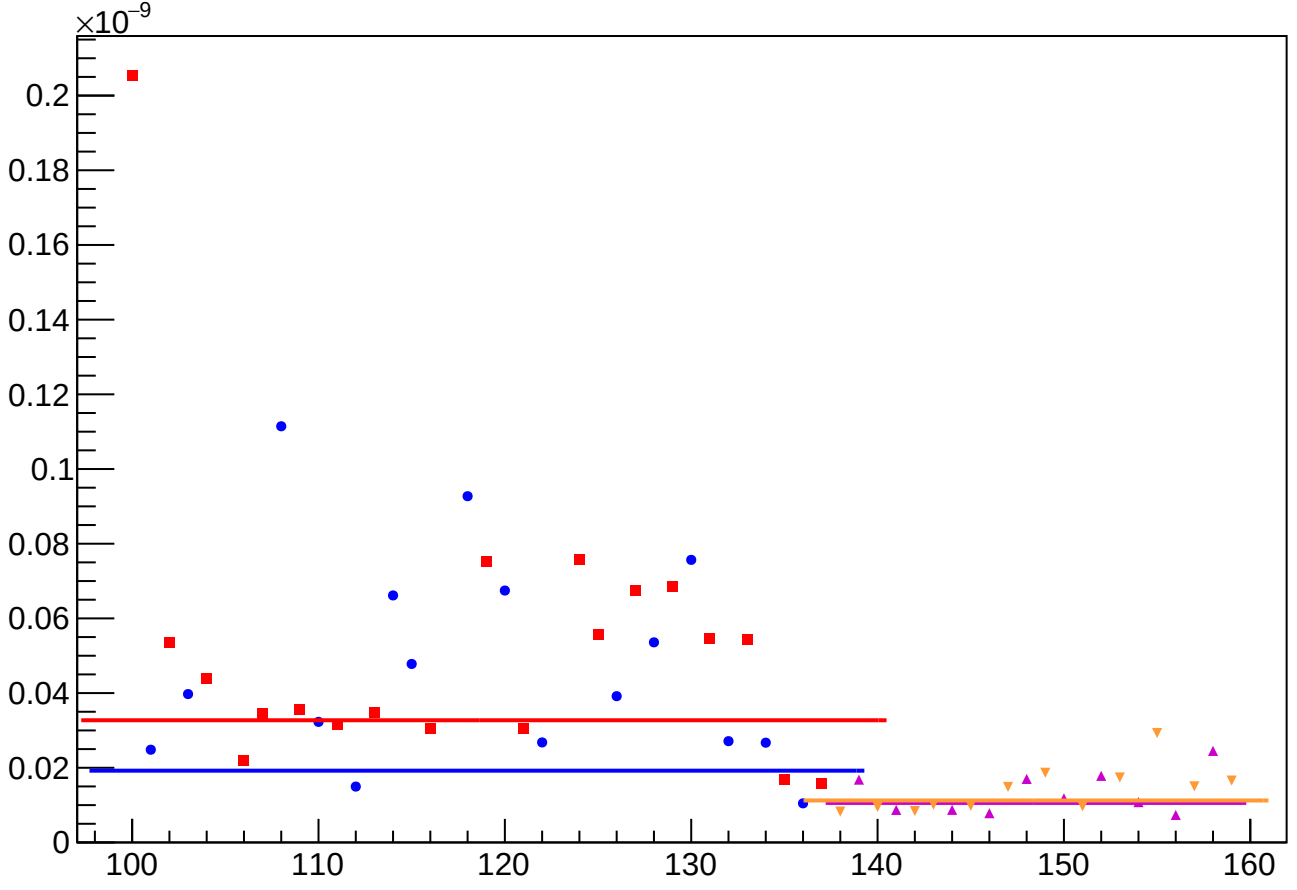
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 31.5/27

All: 0.000+/-0.000 χ^2/NDF: 61.5/56

- sign 0.000+/-0.000 χ^2/NDF: 29.8/28



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

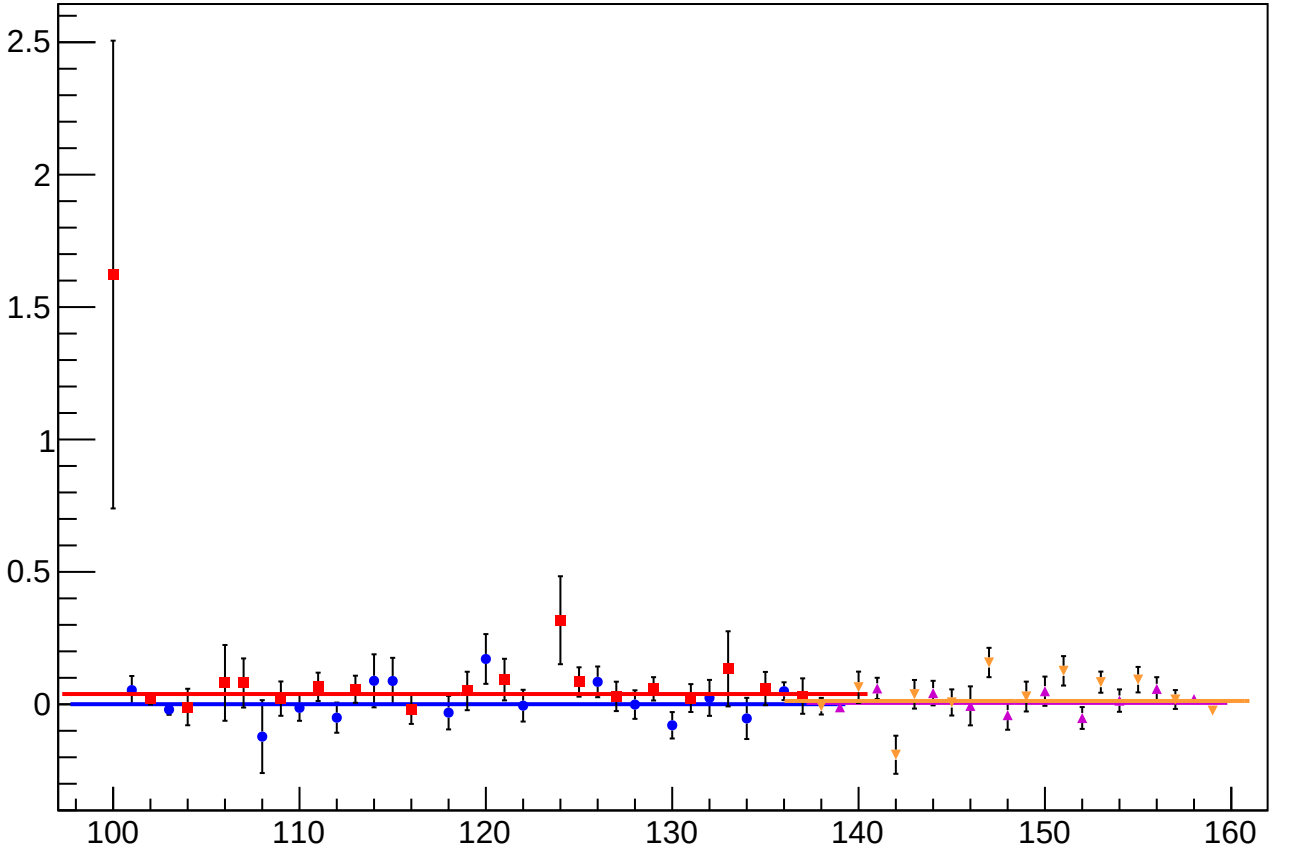
Left In: 0.000+/-0.000 χ^2/NDF:695879.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3168787.3/27

All: 0.000+/-0.000 χ^2/NDF: 7103995.2/56

- sign 0.000+/-0.000 χ^2/NDF: 3935034.6/28

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

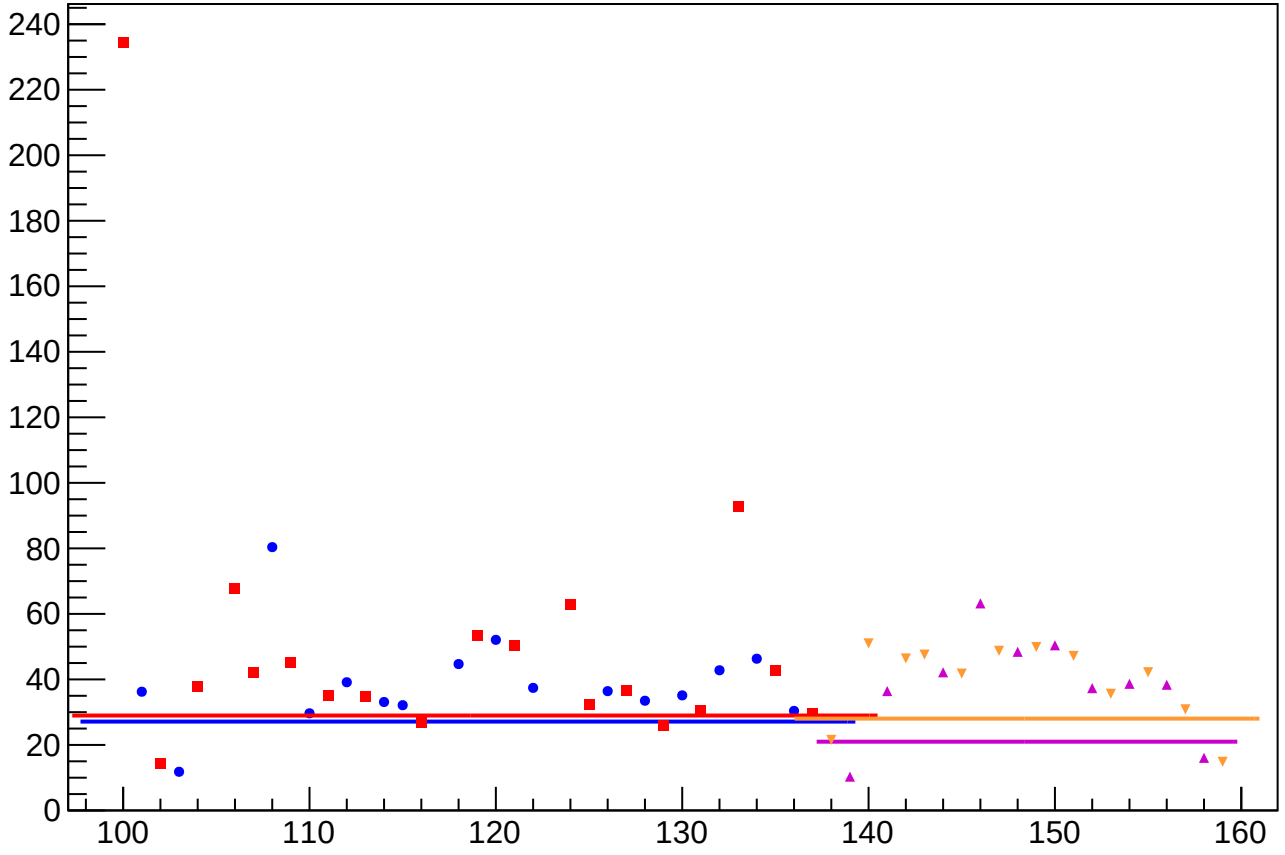
Left In: 0.005+/-0.009 χ^2/NDF:9.4/9

+ sign 0.007+/-0.008 χ^2/NDF: 48.5/27

All: 0.012+/-0.005 χ^2/NDF: 74.4/56

- sign 0.017+/-0.007 χ^2/NDF: 25.1/28

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

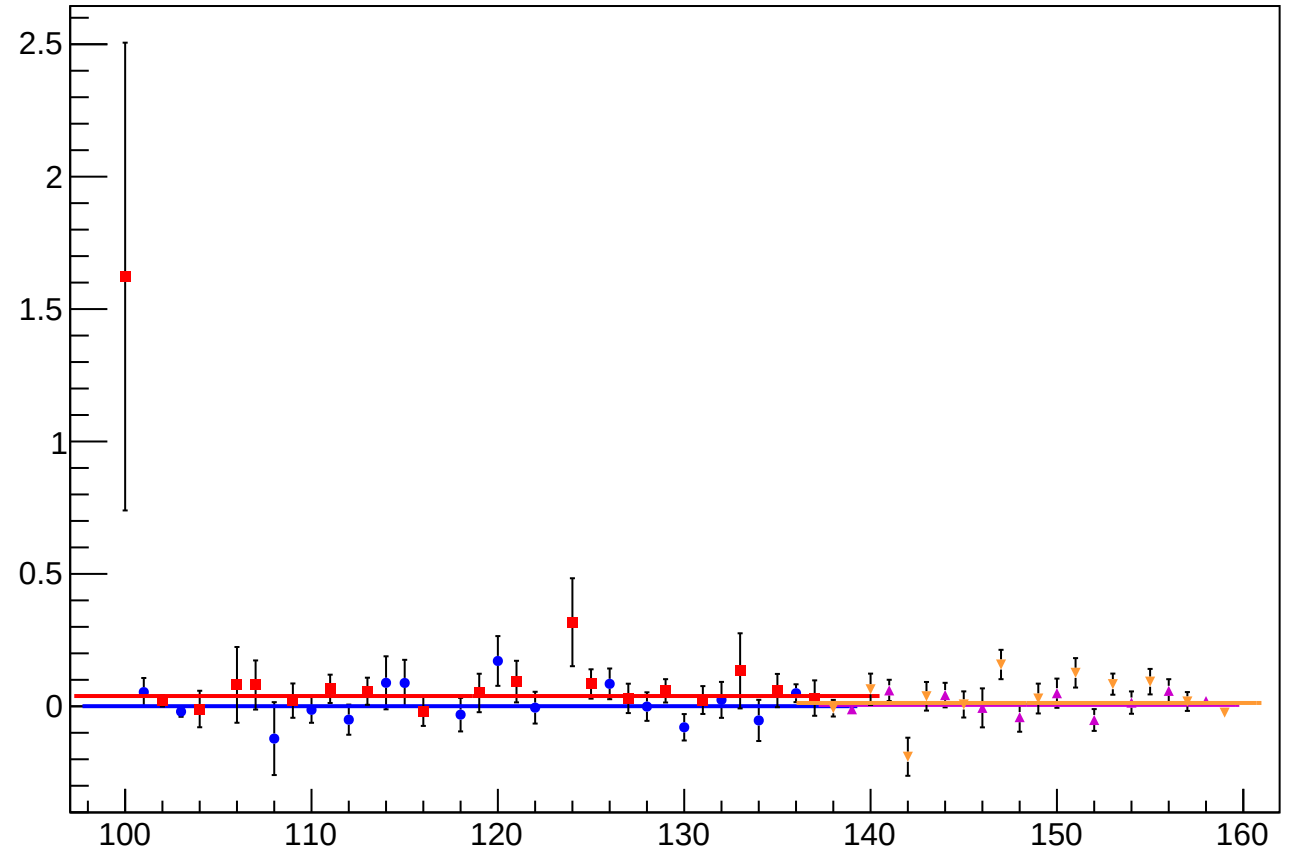
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.990+/-0.006 χ^2/NDF:4826145.2/9

+ sign 27.634+/-0.006 χ^2/NDF: 5717251.0/27

All: 25.499+/-0.004 χ^2/NDF: 13792248.2/56

- sign 23.693+/-0.005 χ^2/NDF: 7811334.0/28



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

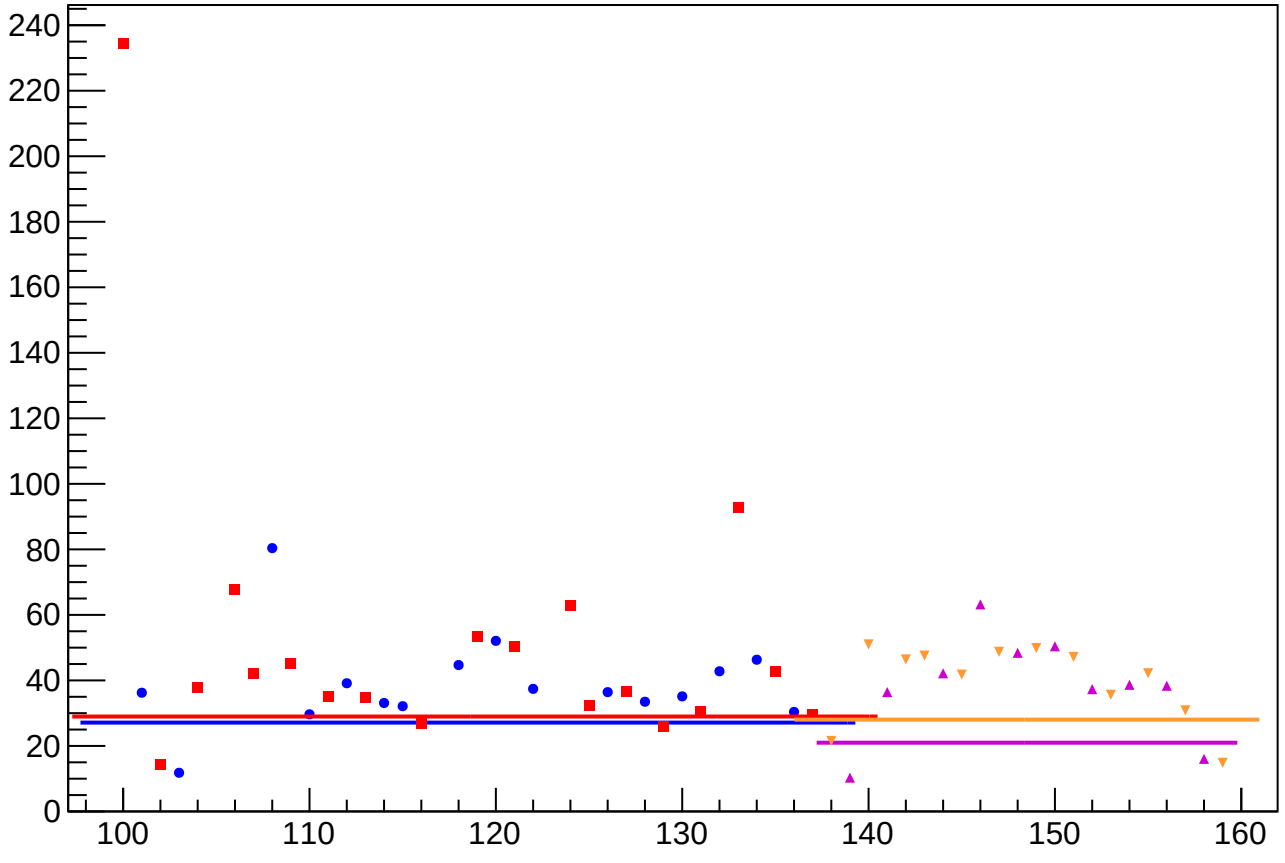
Left In: 0.005+/-0.009 χ^2/NDF:9.4/9

+ sign 0.007+/-0.008 χ^2/NDF: 48.5/27

All: 0.012+/-0.005 χ^2/NDF: 74.4/56

- sign 0.017+/-0.007 χ^2/NDF: 25.1/28

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

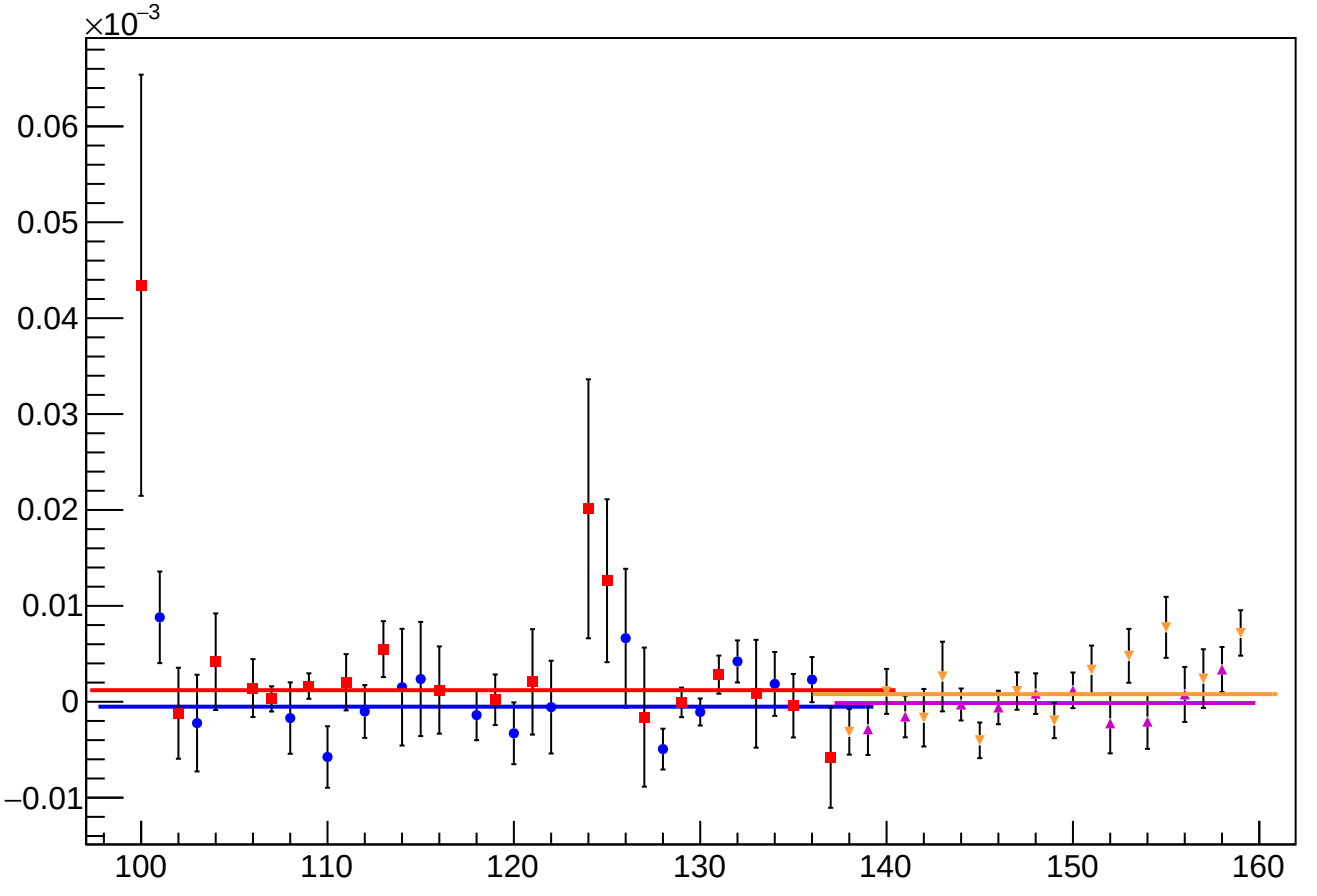
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.990+/-0.006 χ^2/NDF:4826145.2/9

+ sign 27.634+/-0.006 χ^2/NDF: 5717251.0/27

All: 25.499+/-0.004 χ^2/NDF: 13792248.2/56

- sign 23.693+/-0.005 χ^2/NDF: 7811334.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/11

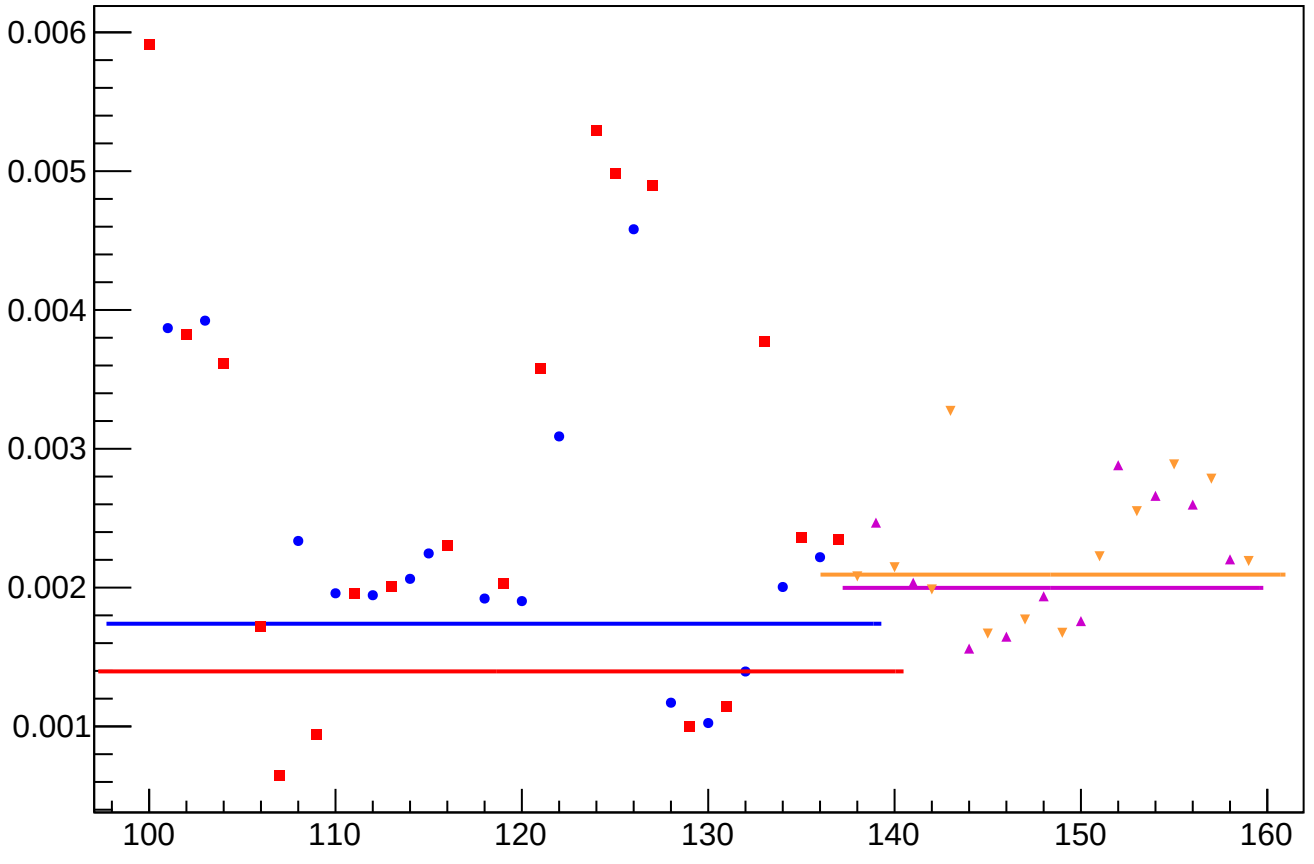
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 49.7/27

All: 0.000+/-0.000 χ^2/NDF: 72.4/56

- sign 0.000+/-0.000 χ^2/NDF: 22.2/28



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:767053.4/11

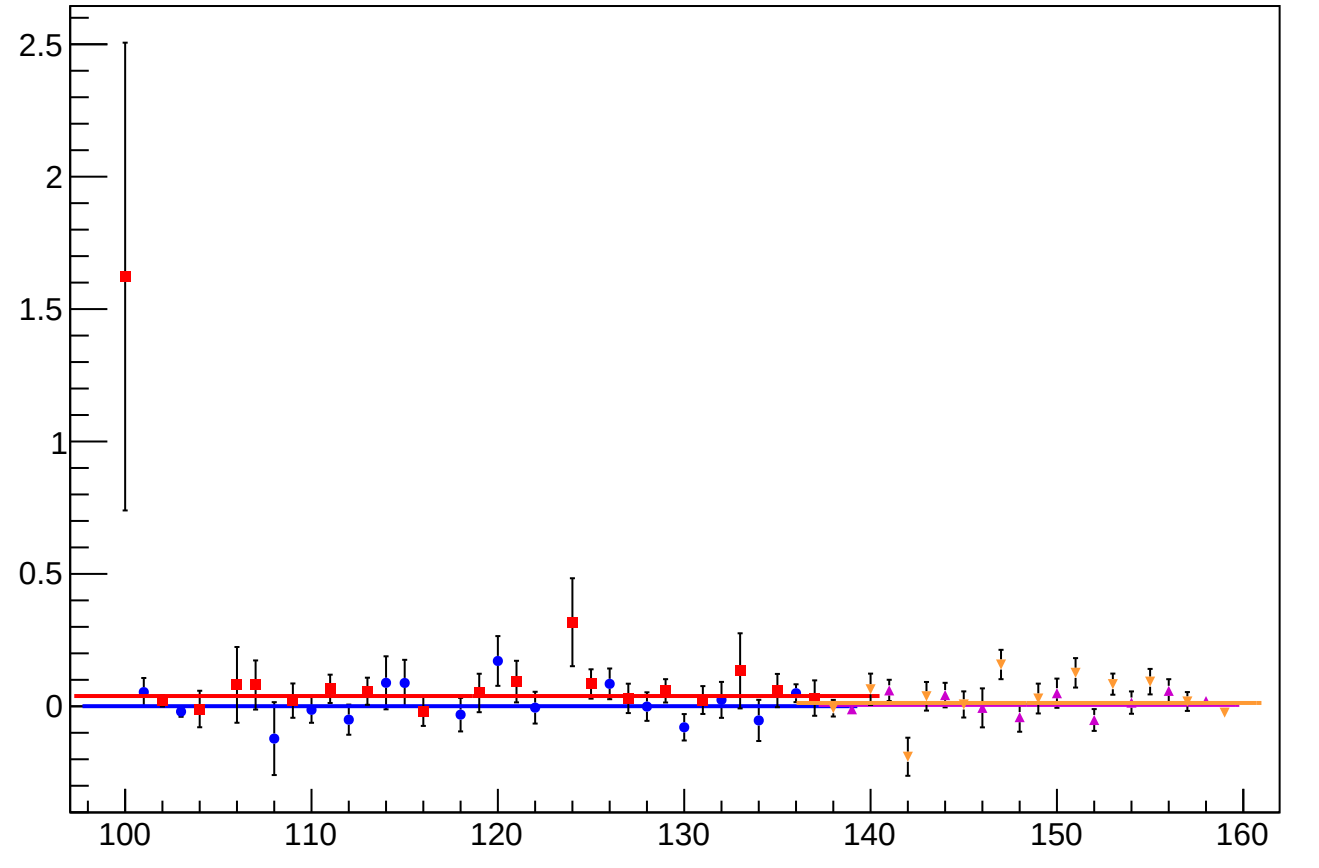
Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:686212.4/9

+ sign 0.002+/-0.000 χ^2/NDF: 3164745.0/27

All: 0.002+/-0.000 χ^2/NDF: 9319806.1/56

- sign 0.002+/-0.000 χ^2/NDF: 5856406.8/28



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

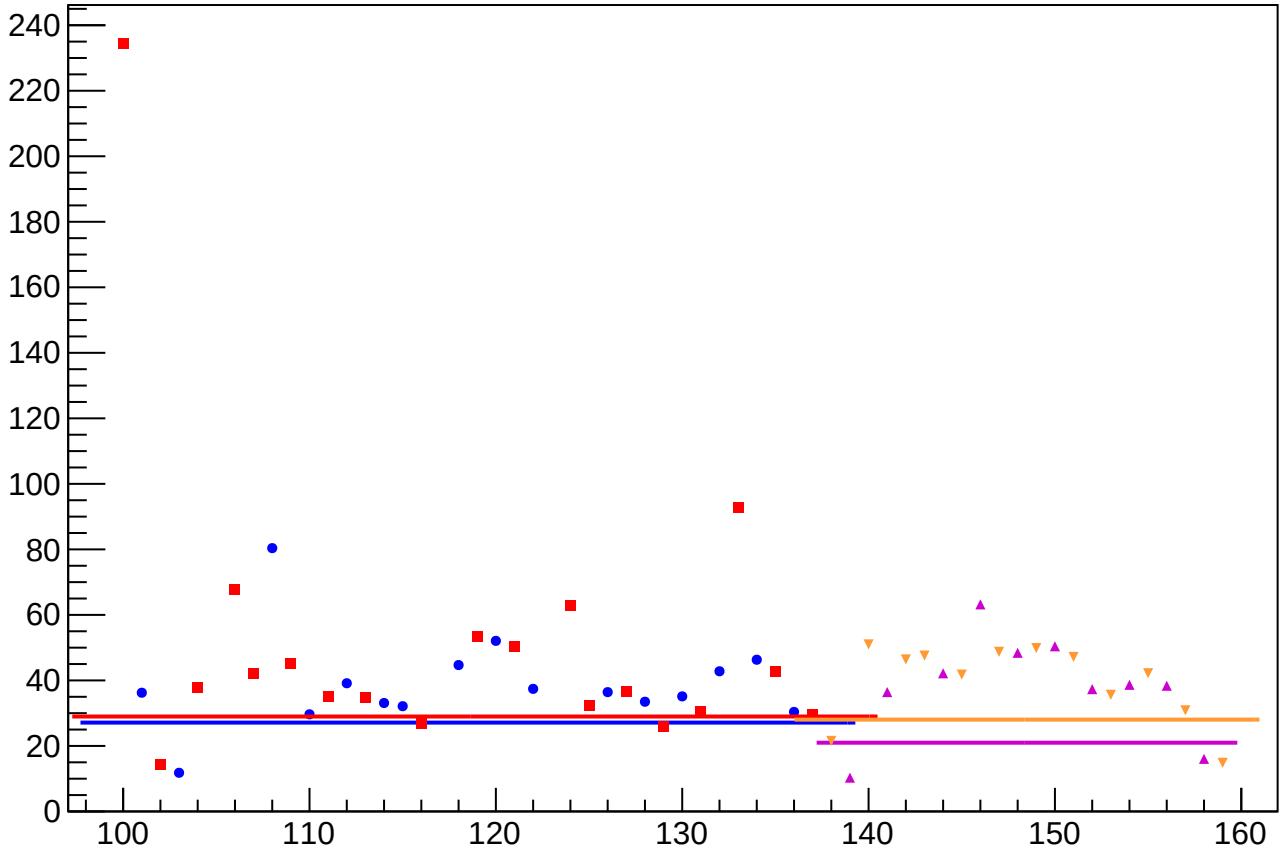
Left In: 0.005+/-0.009 χ^2/NDF:9.4/9

+ sign 0.007+/-0.008 χ^2/NDF: 48.5/27

All: 0.012+/-0.005 χ^2/NDF: 74.4/56

- sign 0.017+/-0.007 χ^2/NDF: 25.1/28

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

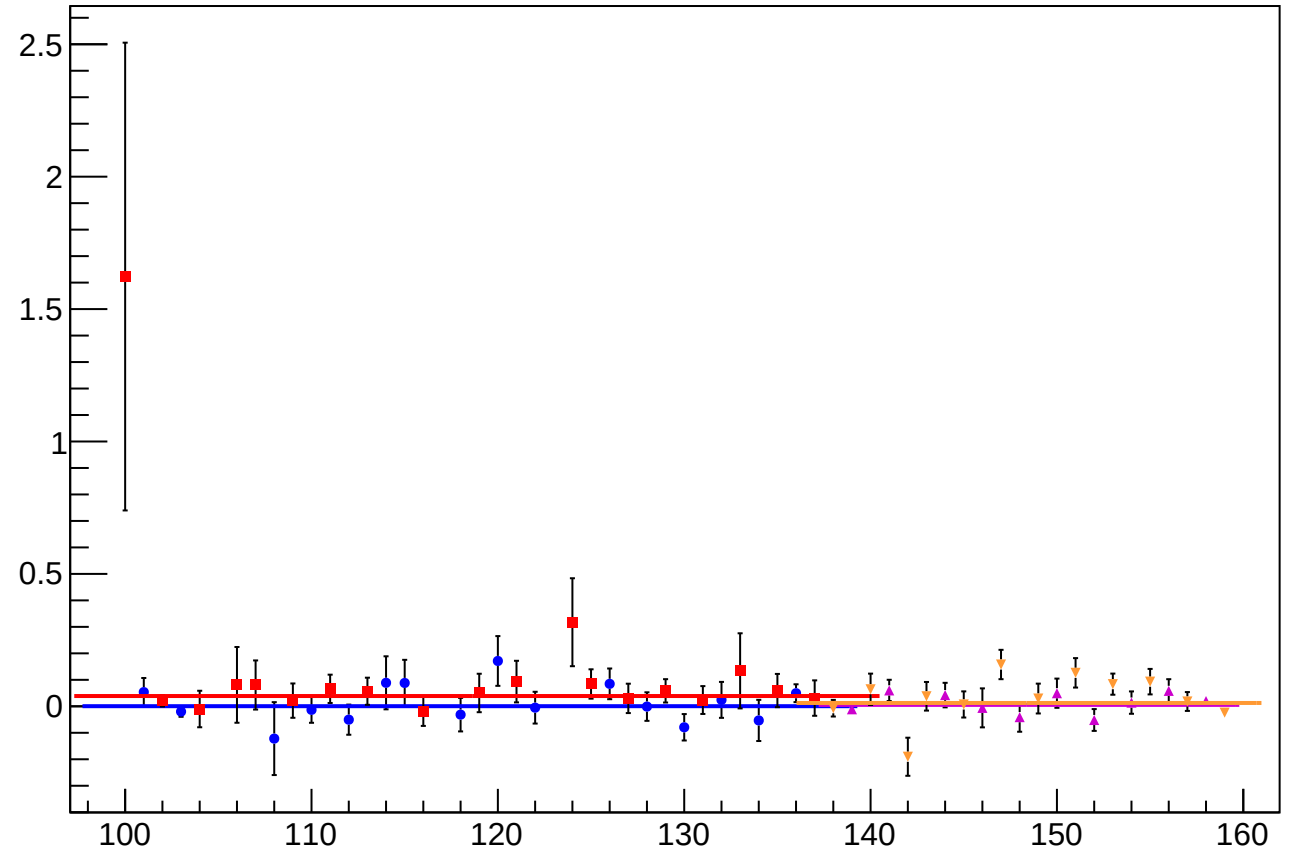
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.988+/-0.006 χ^2/NDF:4826857.6/9

+ sign 27.634+/-0.006 χ^2/NDF: 5718001.5/27

All: 25.499+/-0.004 χ^2/NDF: 13793668.7/56

- sign 23.692+/-0.005 χ^2/NDF: 7812016.5/28



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.011 χ^2/NDF:31.4/11

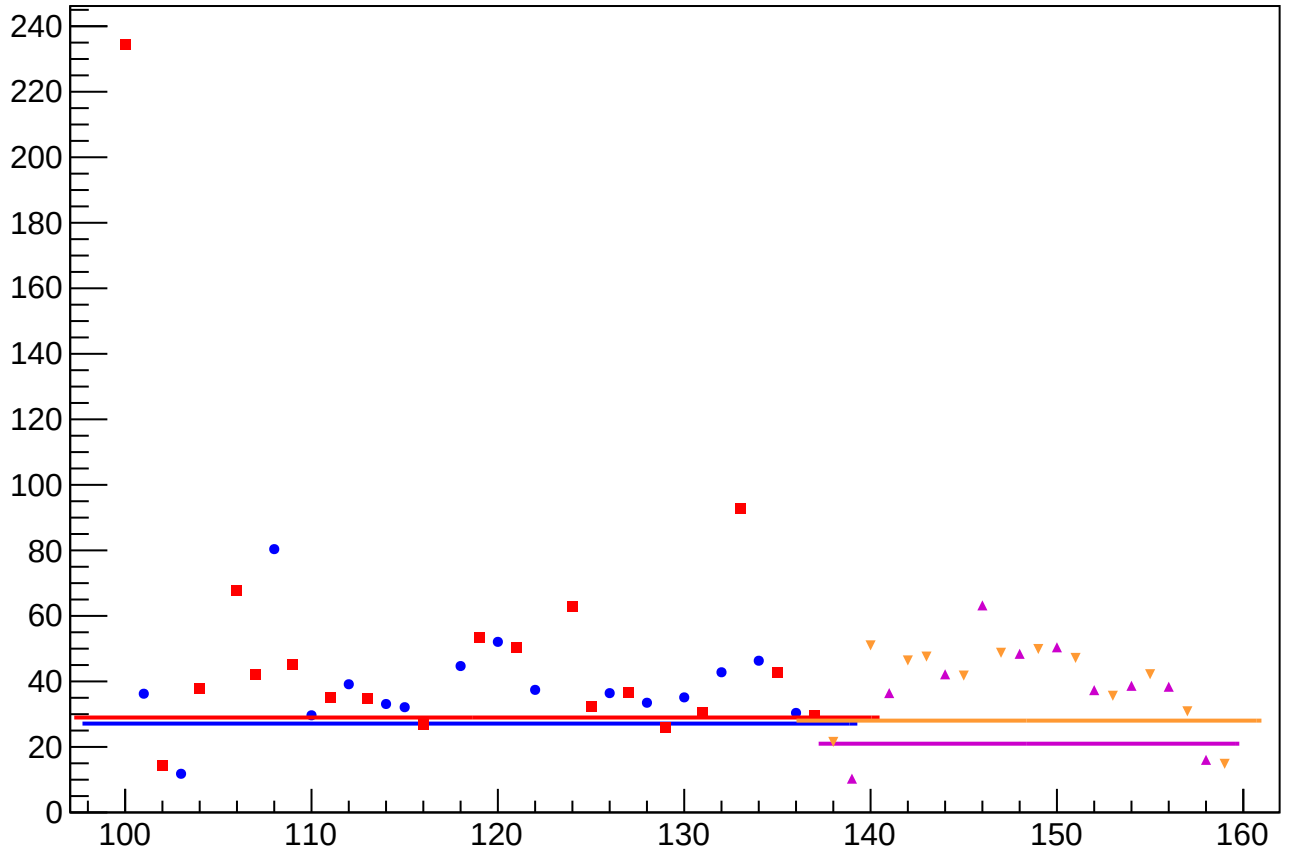
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.005+/-0.009 χ^2/NDF:9.4/9

+ sign 0.007+/-0.008 χ^2/NDF: 48.5/27

All: 0.012+/-0.005 χ^2/NDF: 74.4/56

- sign 0.017+/-0.007 χ^2/NDF: 25.1/28



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 28.033+/-0.008 χ^2/NDF:3296017.1/11

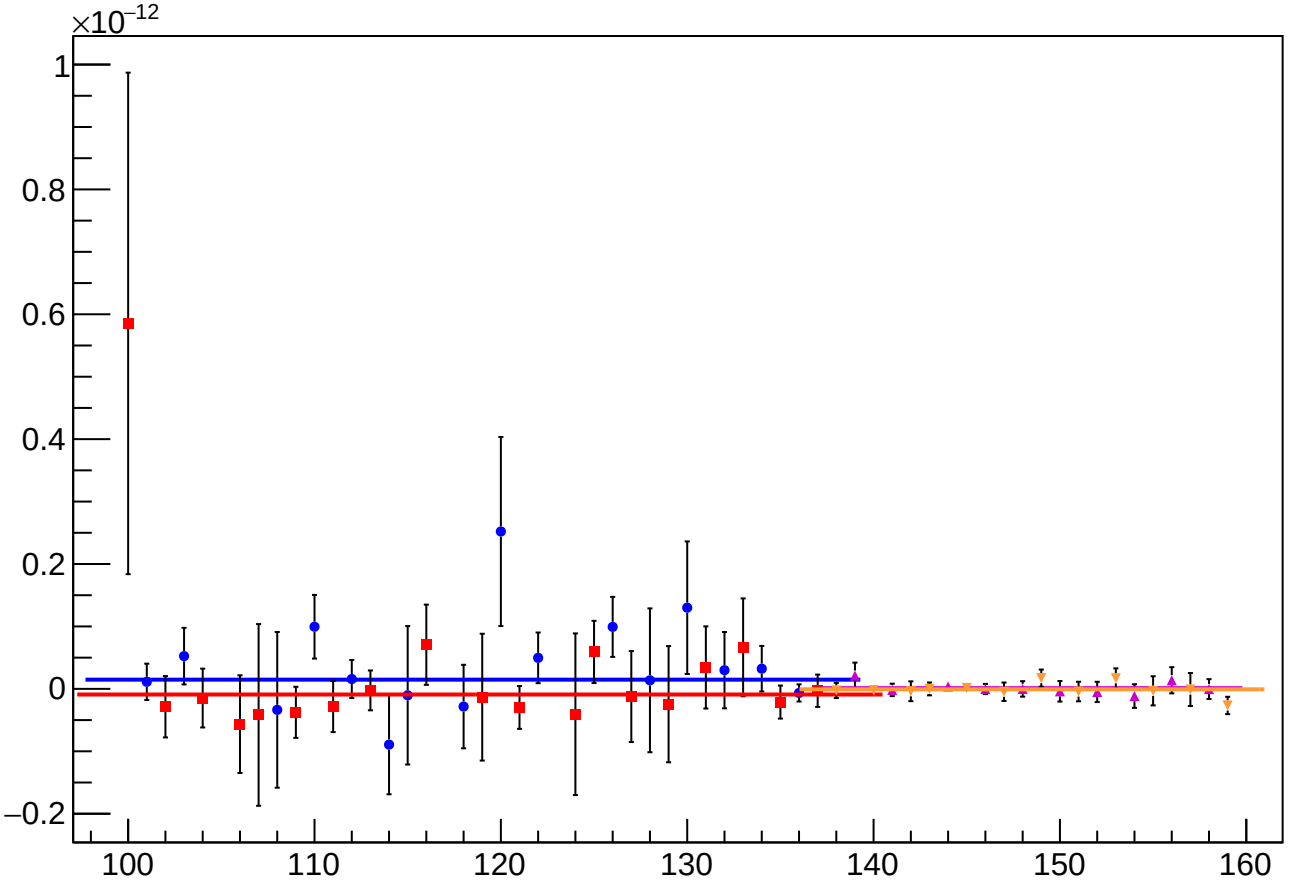
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.988+/-0.006 χ^2/NDF:4826857.6/9

+ sign 27.634+/-0.006 χ^2/NDF: 5718001.5/27

All: 25.499+/-0.004 χ^2/NDF: 13793668.7/56

- sign 23.692+/-0.005 χ^2/NDF: 7812016.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/11

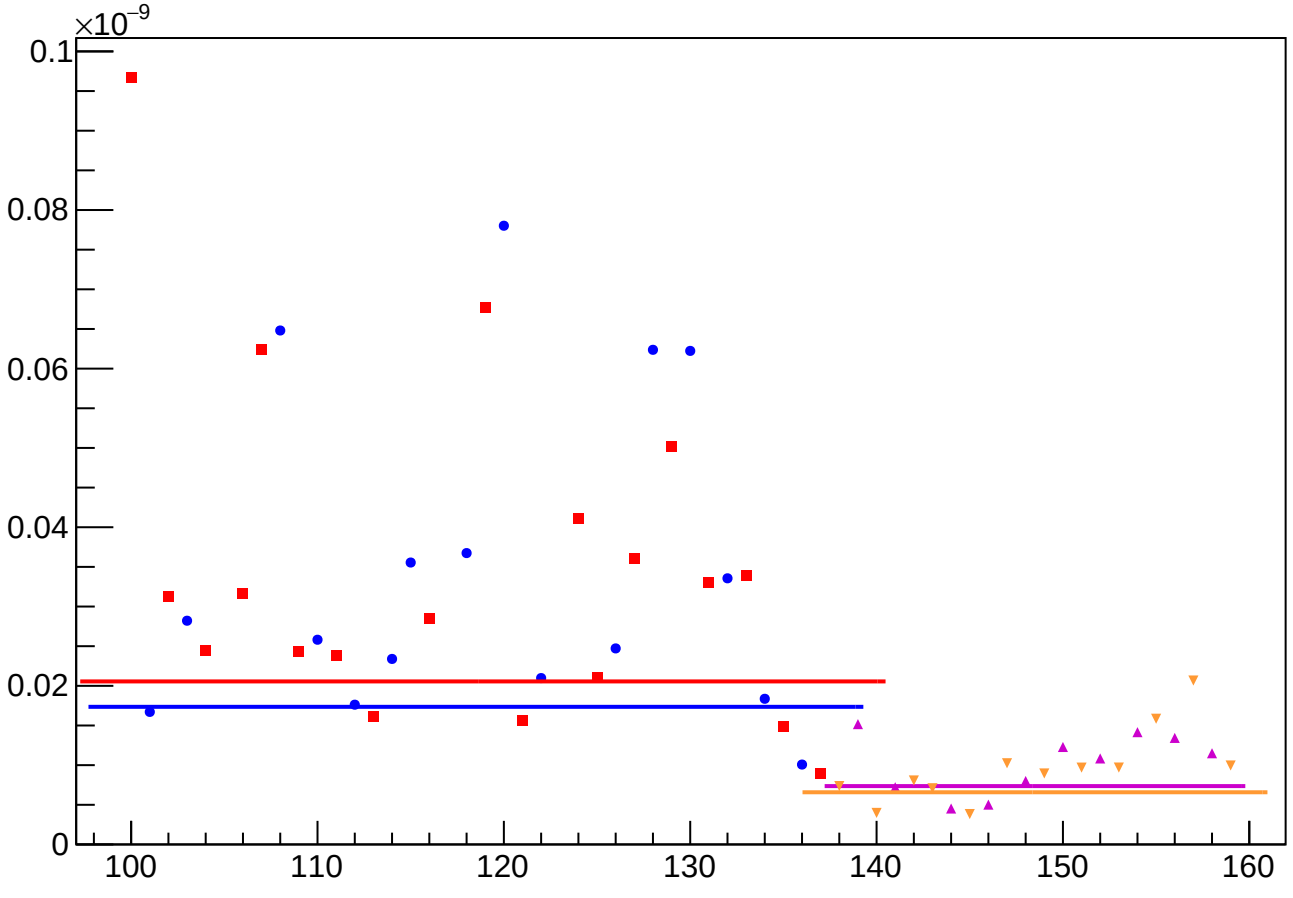
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/27

All: 0.000+/-0.000 χ^2/NDF: 37.2/56

- sign 0.000+/-0.000 χ^2/NDF: 12.1/28



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

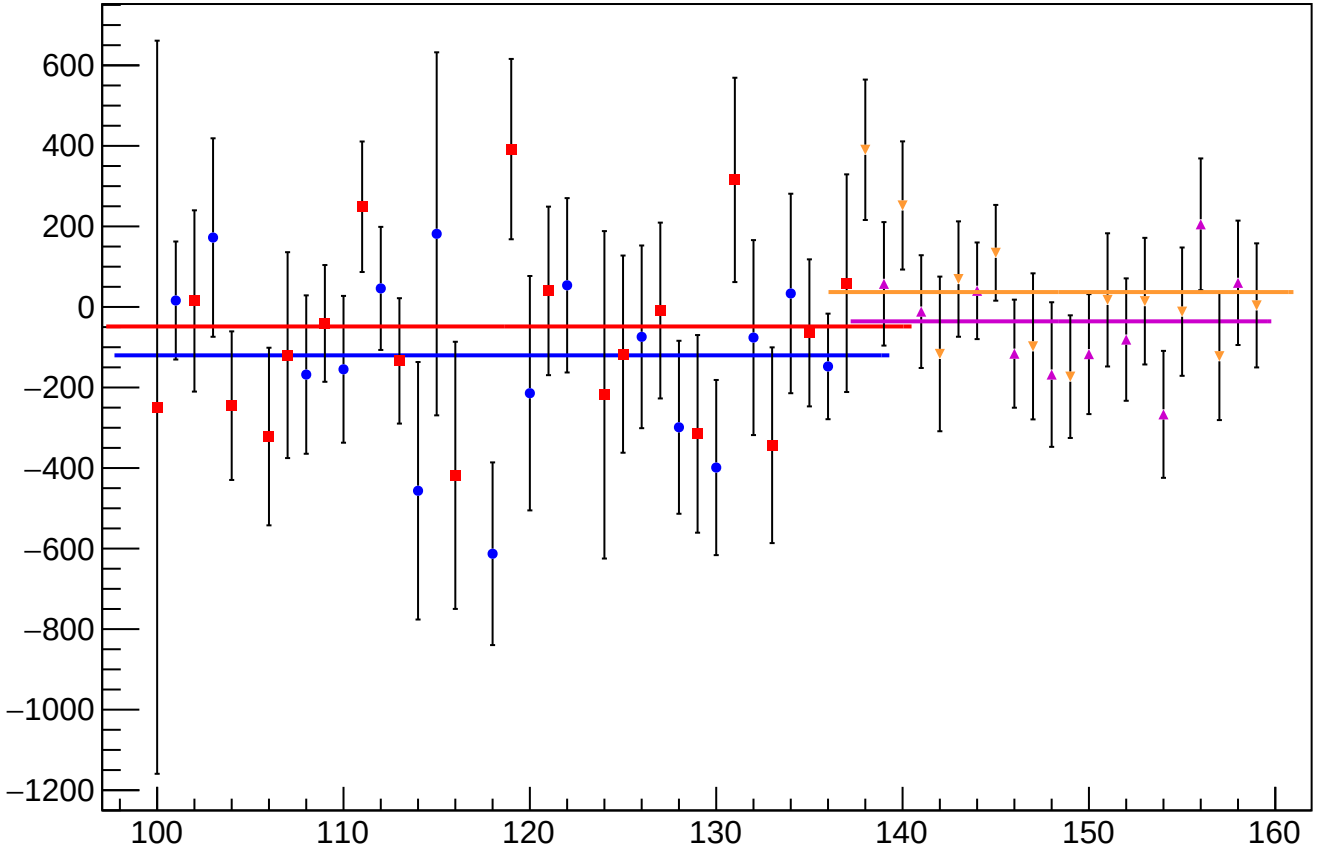
Left In: 0.000+/-0.000 χ^2/NDF:1663273.6/9

\+ sign 0.000+/-0.000 χ^2/NDF: 6806142.3/27

All: 0.000+/-0.000 χ^2/NDF: 13150714.8/56

\- sign 0.000+/-0.000 χ^2/NDF: 6254021.5/28

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

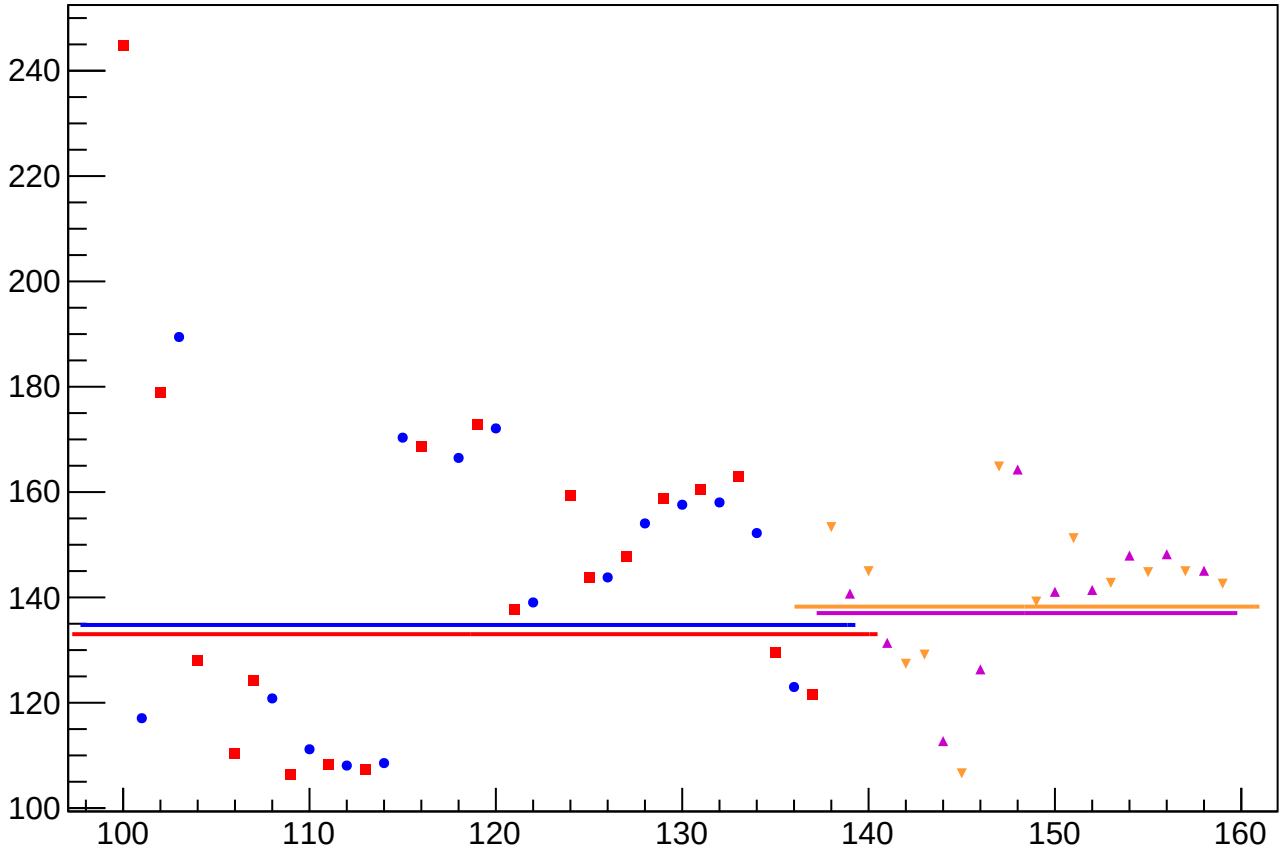
Left In: -35.737+/-46.754 χ^2/NDF:6.8/9

+ sign -31.897+/-33.831 χ^2/NDF: 29.7/27

All: -36.746+/-24.024 χ^2/NDF: 53.5/56

- sign -41.678+/-34.121 χ^2/NDF: 23.8/28

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

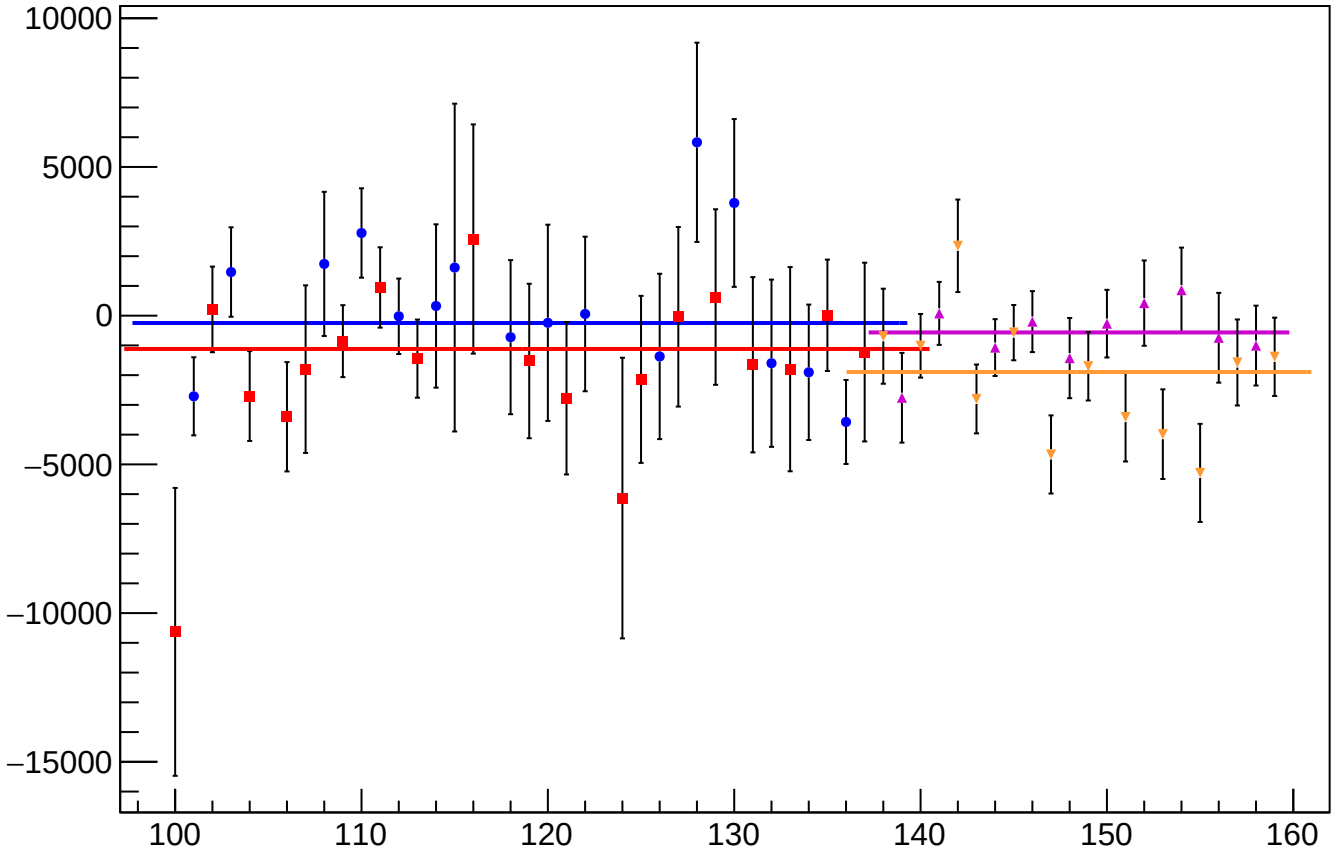
Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

+ sign 136.726+/-0.024 χ^2/NDF: 662461.1/27

All: 135.947+/-0.017 χ^2/NDF: 1339935.4/56

- sign 135.154+/-0.024 χ^2/NDF: 675332.3/28

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1894.965+/-371.938 χ^2/NDF:23.2/11

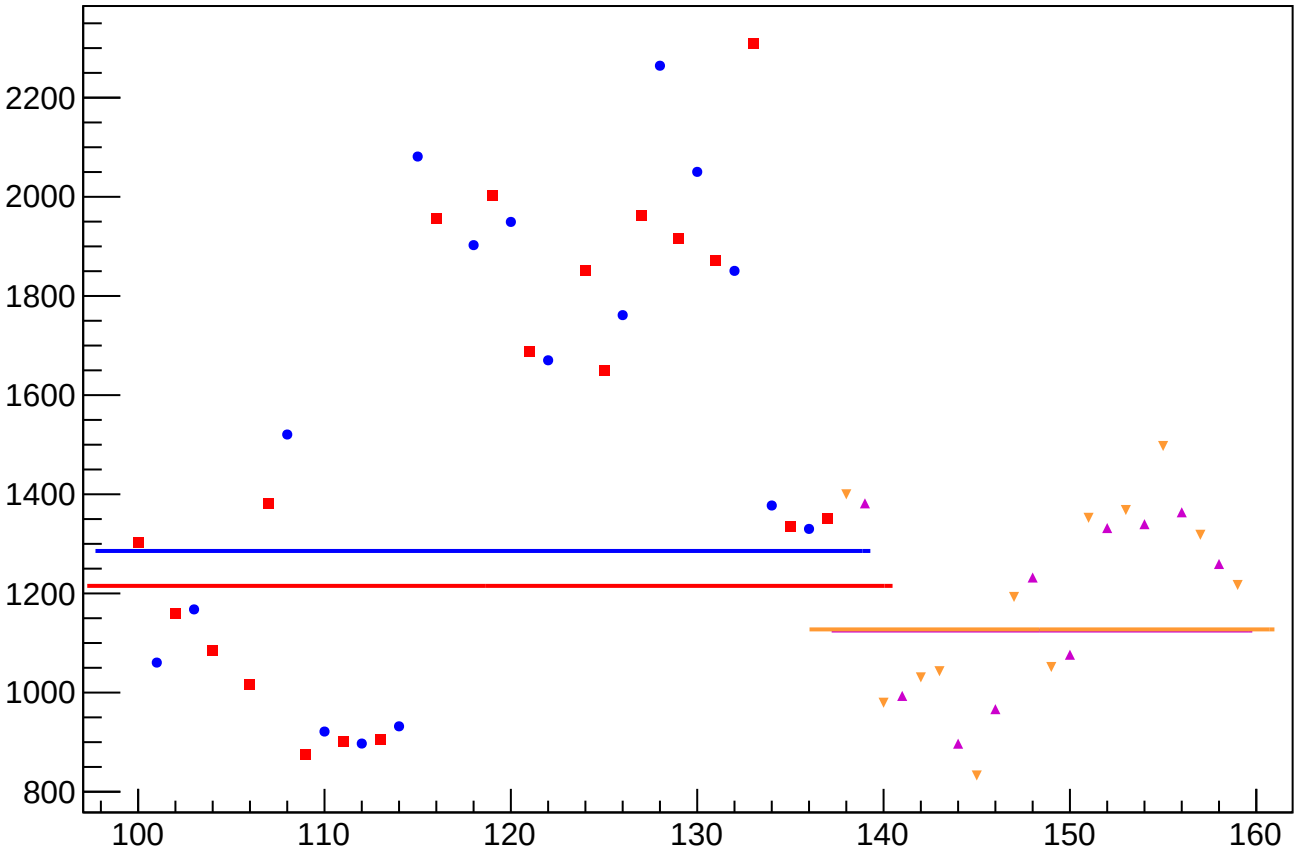
Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: -563.805+/-387.166 χ^2/NDF:5.0/9

+ sign -1309.813+/-298.725 χ^2/NDF: 51.8/27

All: -1049.305+/-211.122 χ^2/NDF: 72.5/56

- sign -789.330+/-298.419 χ^2/NDF: 19.2/28



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1127.434+/-0.263 χ^2/NDF:570503.8/11

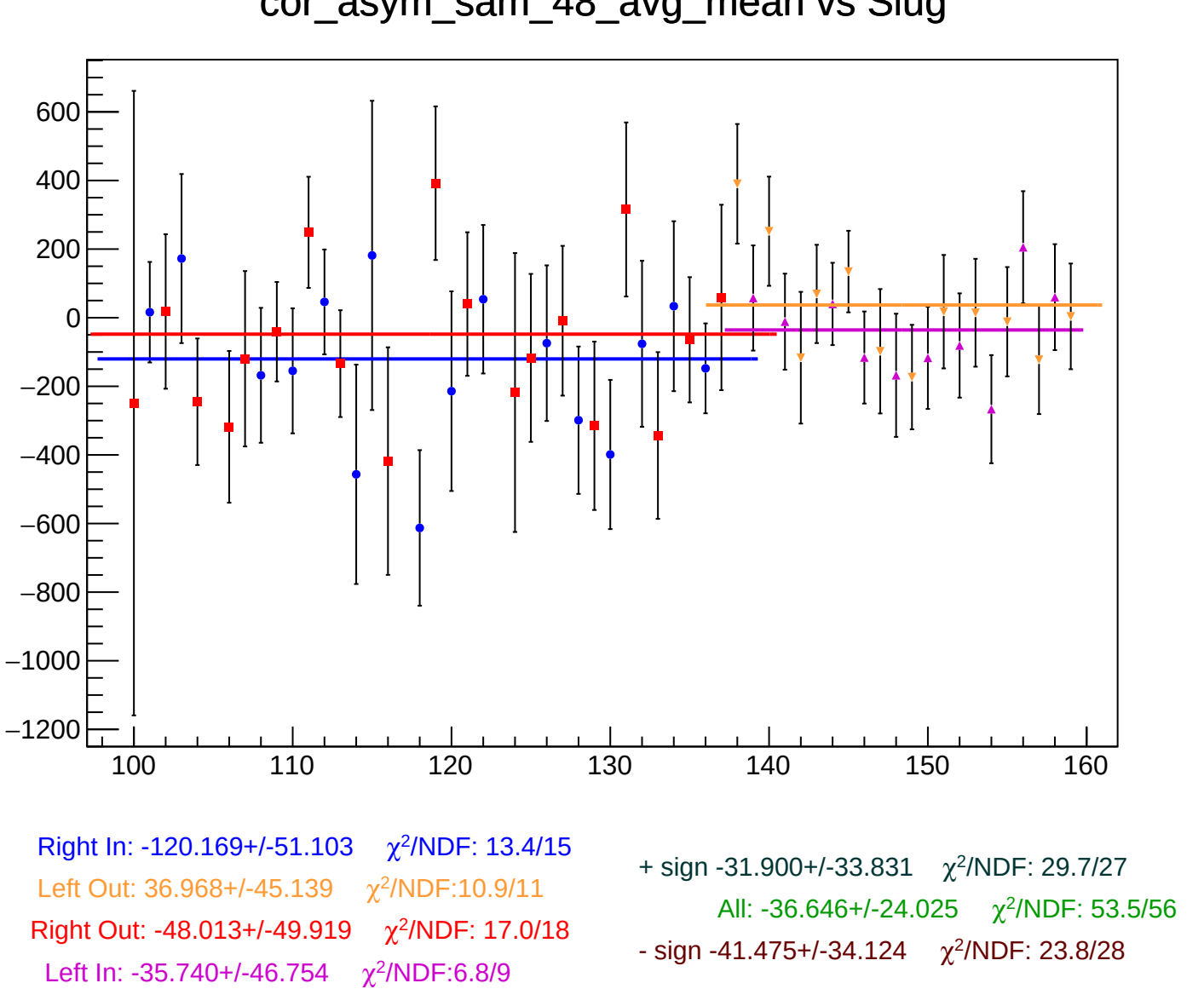
Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1125.151+/-0.274 χ^2/NDF:423661.5/9

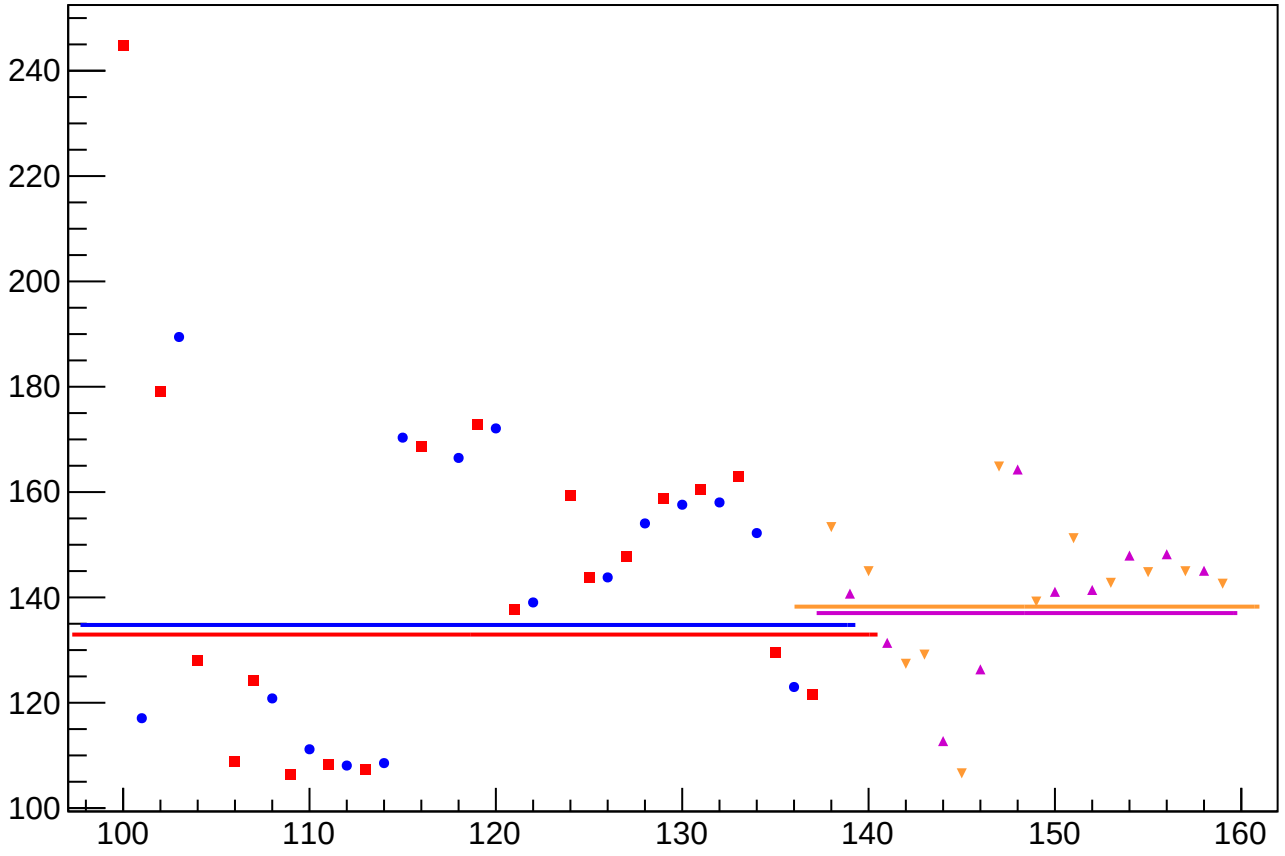
+ sign 1183.597+/-0.211 χ^2/NDF: 1869421.9/27

All: 1172.646+/-0.149 χ^2/NDF: 3728695.8/56

- sign 1161.717+/-0.211 χ^2/NDF: 1853903.3/28


cor_asym_sam_48_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 36.968+/-45.139 χ²/NDF:10.9/11
Right Out: -48.013+/-49.919 χ²/NDF: 17.0/18
Left In: -35.740+/-46.754 χ²/NDF:6.8/9
+ sign -31.900+/-33.831 χ²/NDF: 29.7/27
All: -36.646+/-24.025 χ²/NDF: 53.5/56
- sign -41.475+/-34.124 χ²/NDF: 23.8/28

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

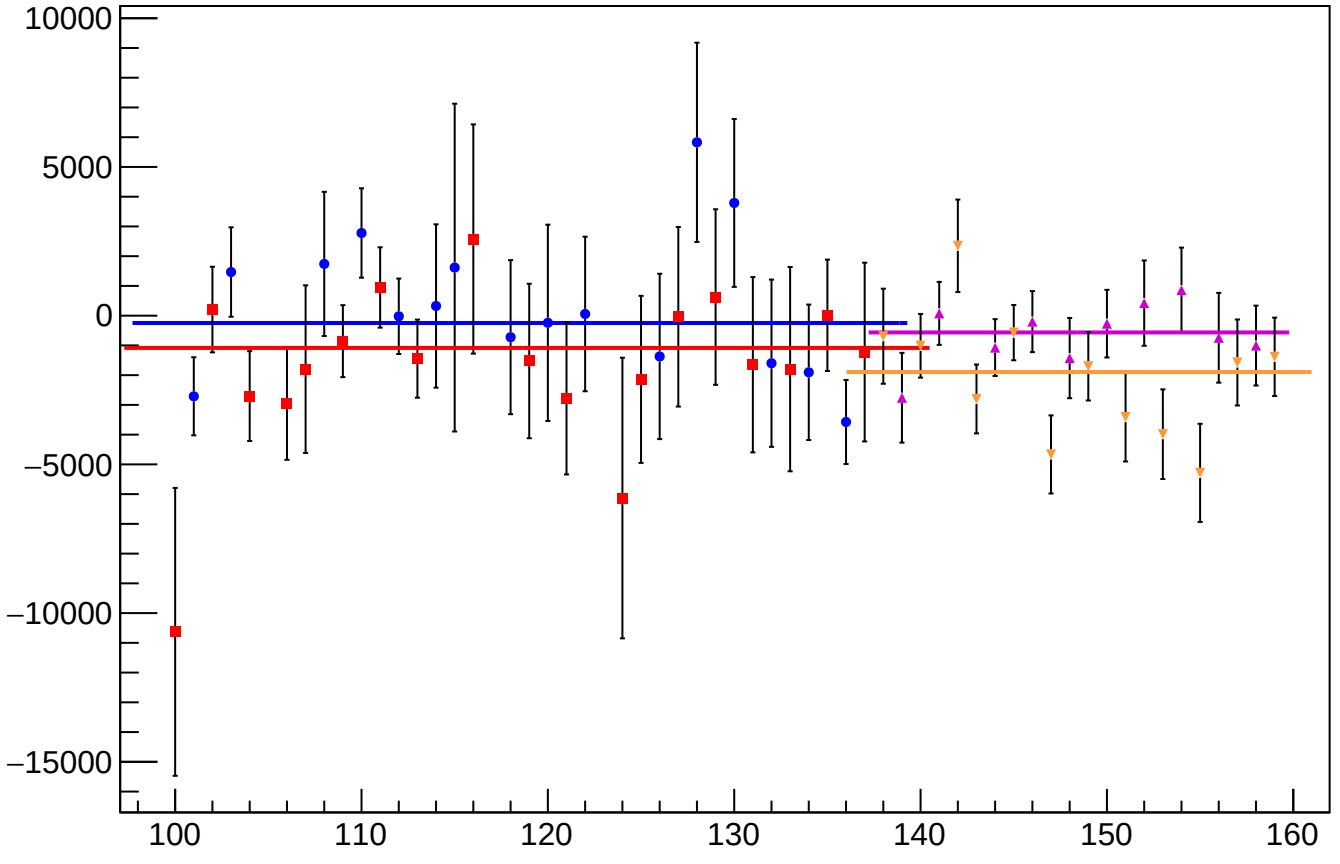
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

+ sign 136.726+/-0.024 χ^2/NDF: 662464.1/27

All: 135.930+/-0.017 χ^2/NDF: 1343412.8/56

- sign 135.120+/-0.024 χ^2/NDF: 678714.8/28



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1894.962+/-371.938 χ^2/NDF:23.2/11

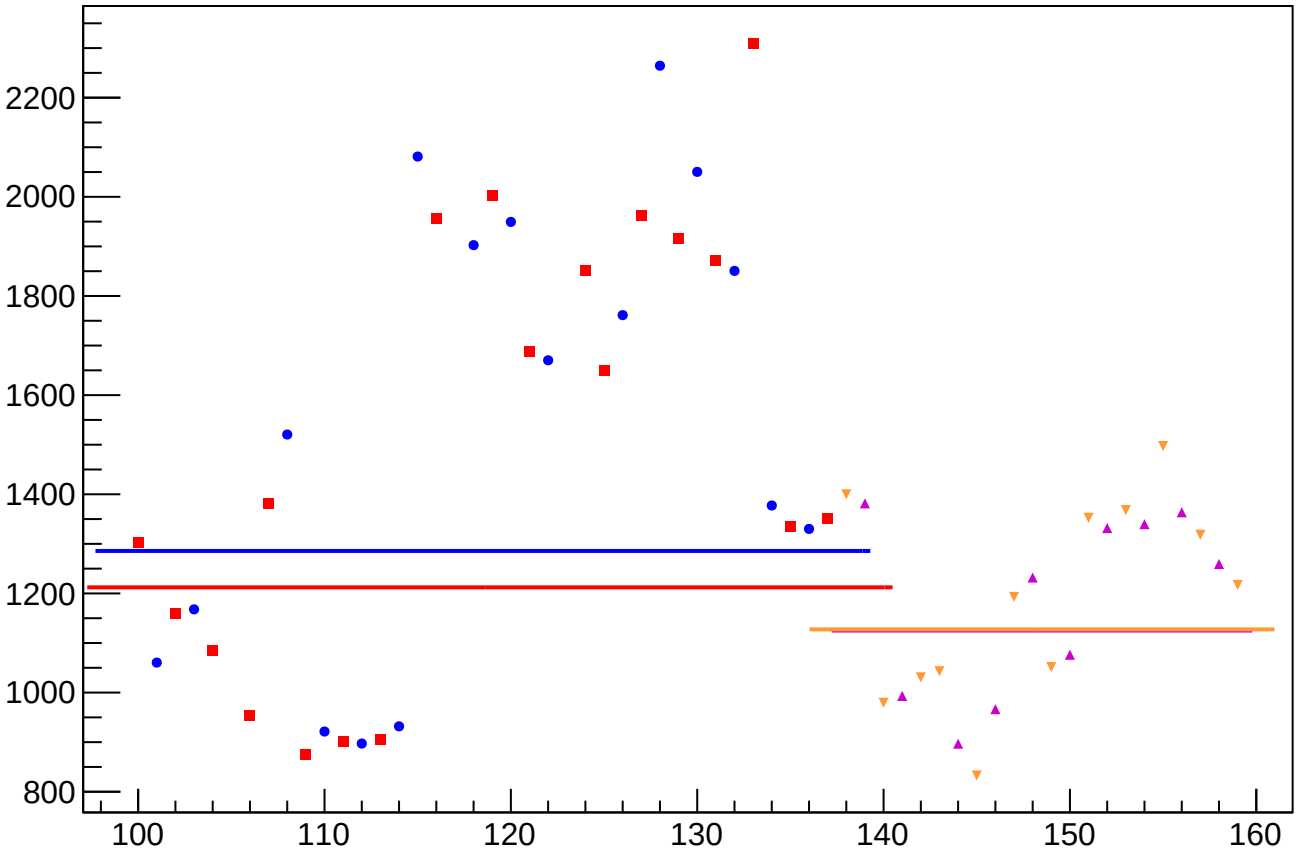
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -563.814+/-387.166 χ^2/NDF:5.0/9

+ sign -1309.844+/-298.726 χ^2/NDF: 51.8/27

All: -1042.112+/-211.207 χ^2/NDF: 71.9/56

- sign -774.502+/-298.658 χ^2/NDF: 18.5/28



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

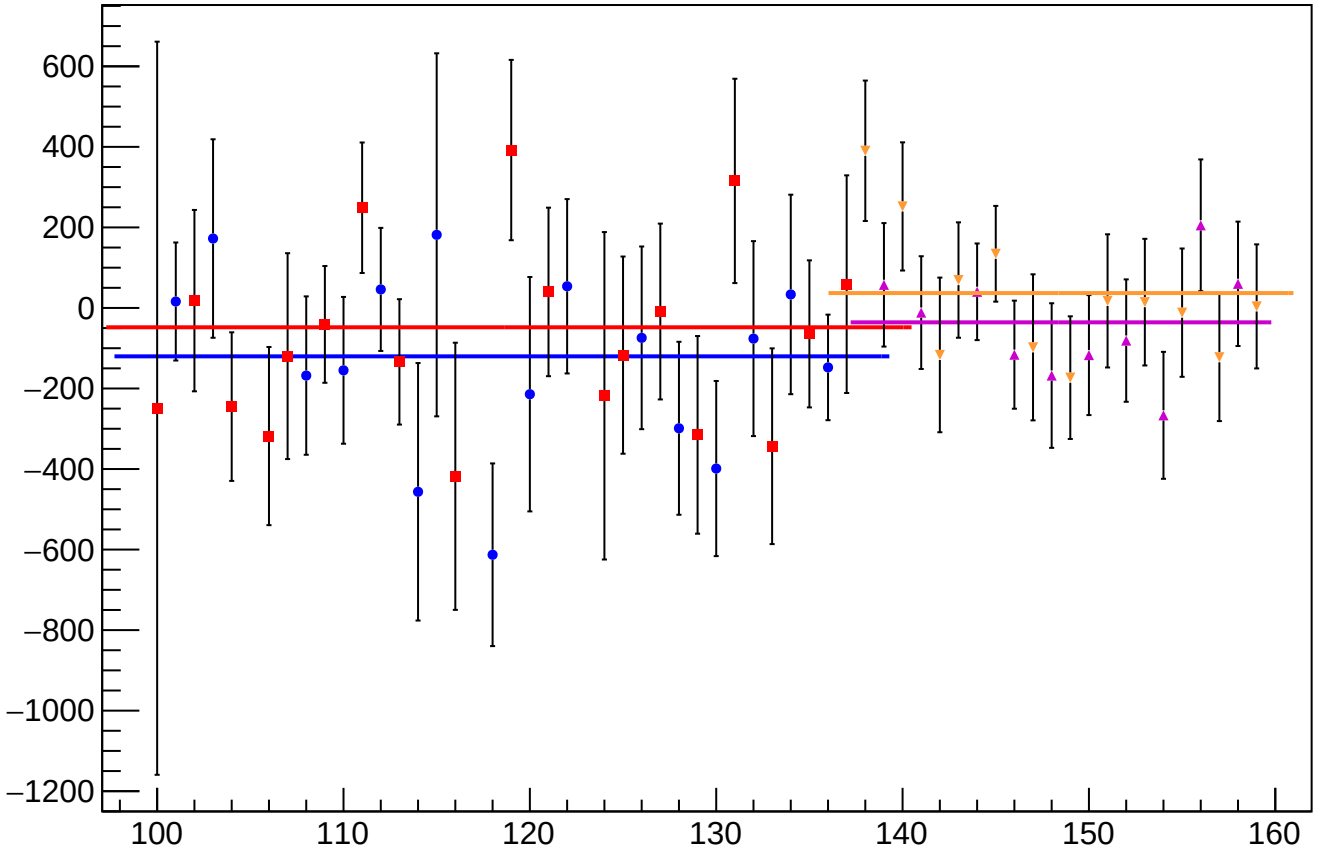
Left In: 1125.151+/-0.274 χ^2/NDF:423659.2/9

+ sign 1183.601+/-0.211 χ^2/NDF: 1869420.4/27

All: 1172.014+/-0.149 χ^2/NDF: 3740744.6/56

- sign 1160.432+/-0.211 χ^2/NDF: 1865307.3/28

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

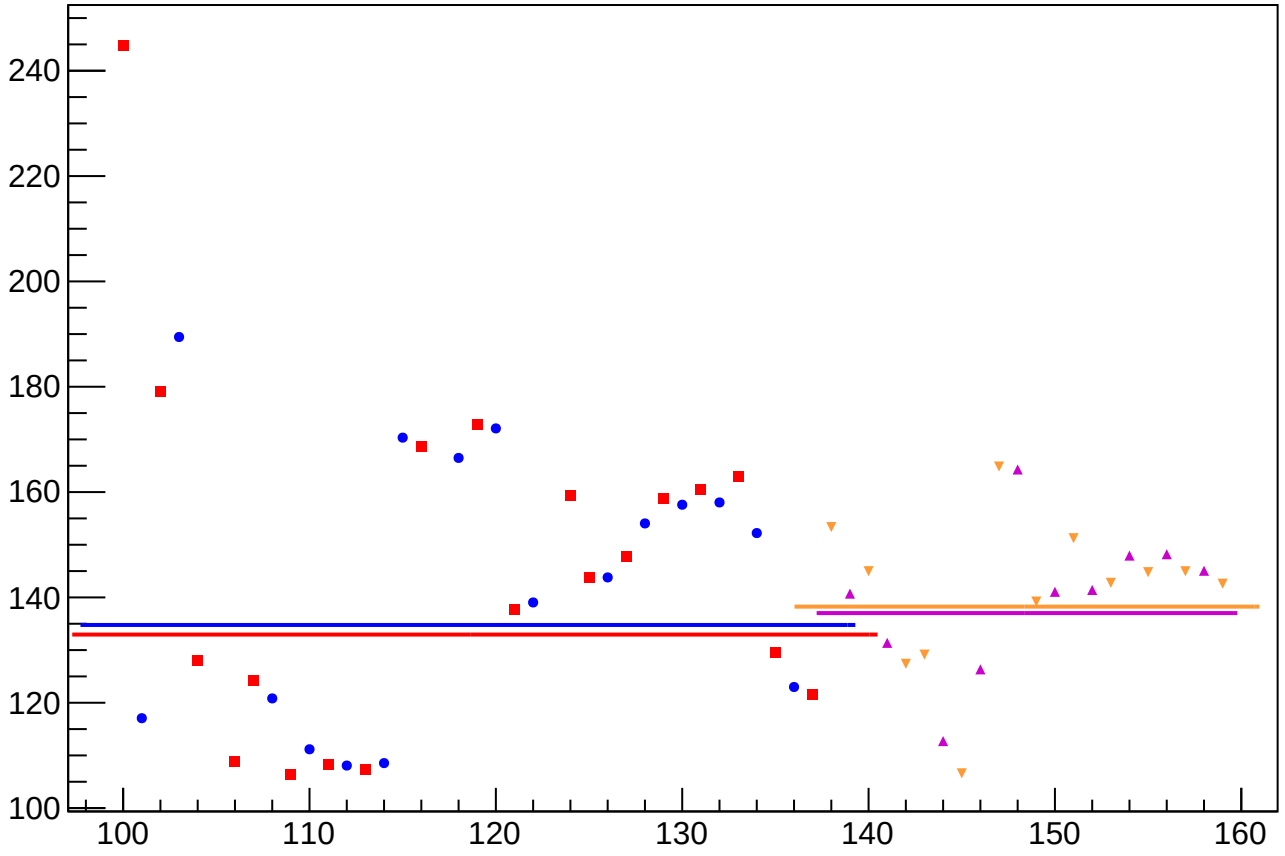
Left In: -35.740+/-46.754 χ^2/NDF:6.8/9

+ sign -31.900+/-33.831 χ^2/NDF: 29.7/27

All: -36.646+/-24.025 χ^2/NDF: 53.5/56

- sign -41.475+/-34.124 χ^2/NDF: 23.8/28

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

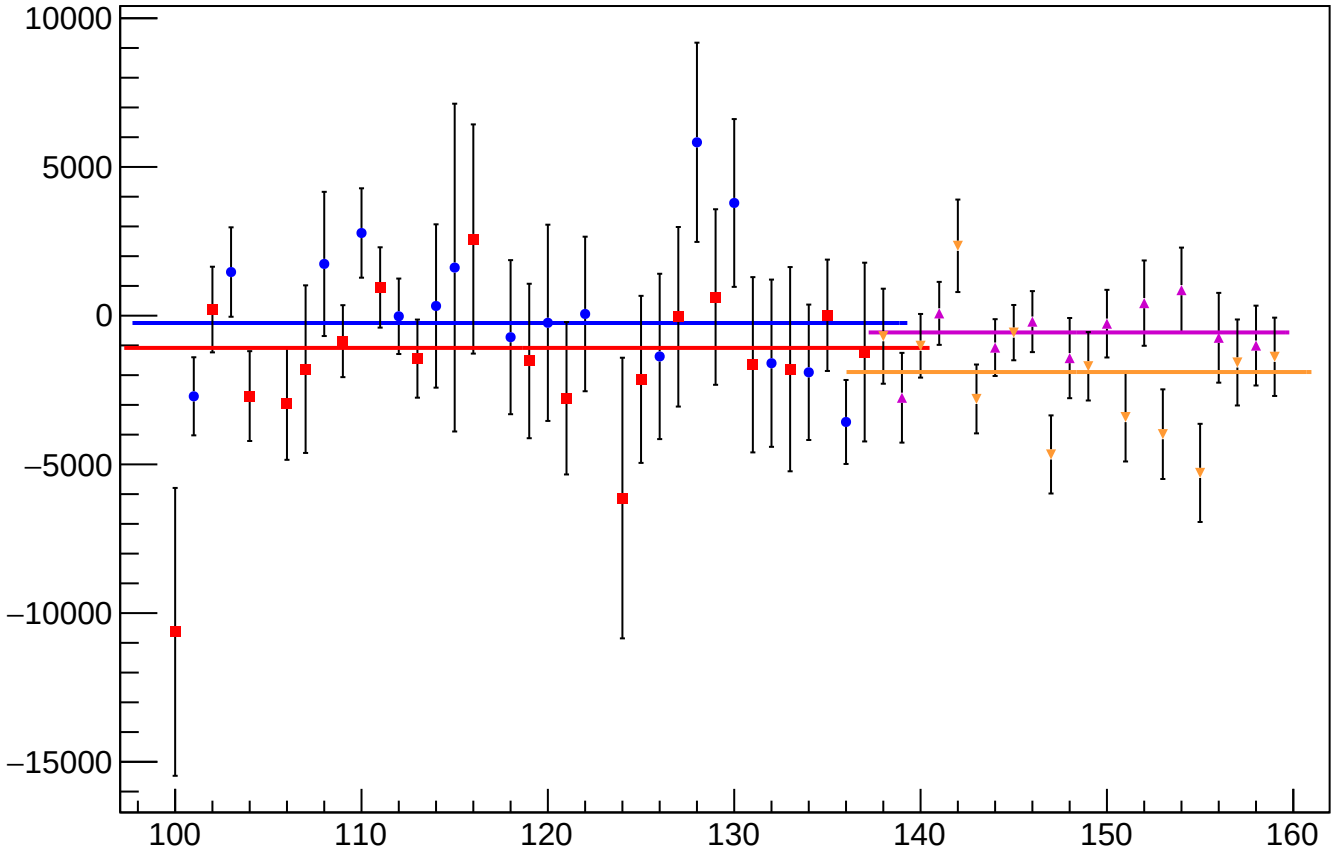
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.027+/-0.033 χ^2/NDF:172748.5/9

\+ sign 136.726+/-0.024 χ^2/NDF: 662464.1/27

All: 135.930+/-0.017 χ^2/NDF: 1343412.8/56

\- sign 135.120+/-0.024 χ^2/NDF: 678714.8/28



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1894.962+/-371.938 χ^2/NDF:23.2/11

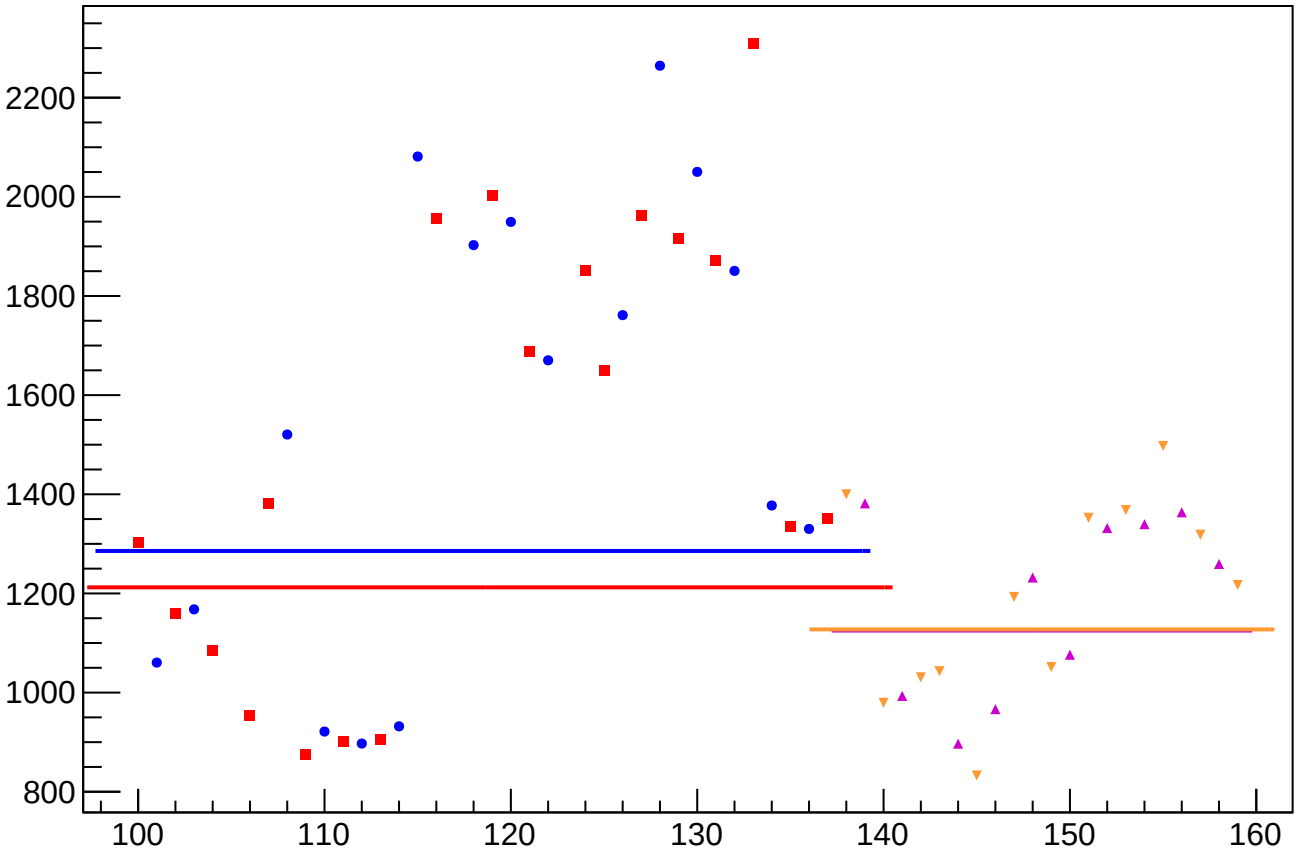
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -563.814+/-387.166 χ^2/NDF:5.0/9

+ sign -1309.844+/-298.726 χ^2/NDF: 51.8/27

All: -1042.112+/-211.207 χ^2/NDF: 71.9/56

- sign -774.502+/-298.658 χ^2/NDF: 18.5/28



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

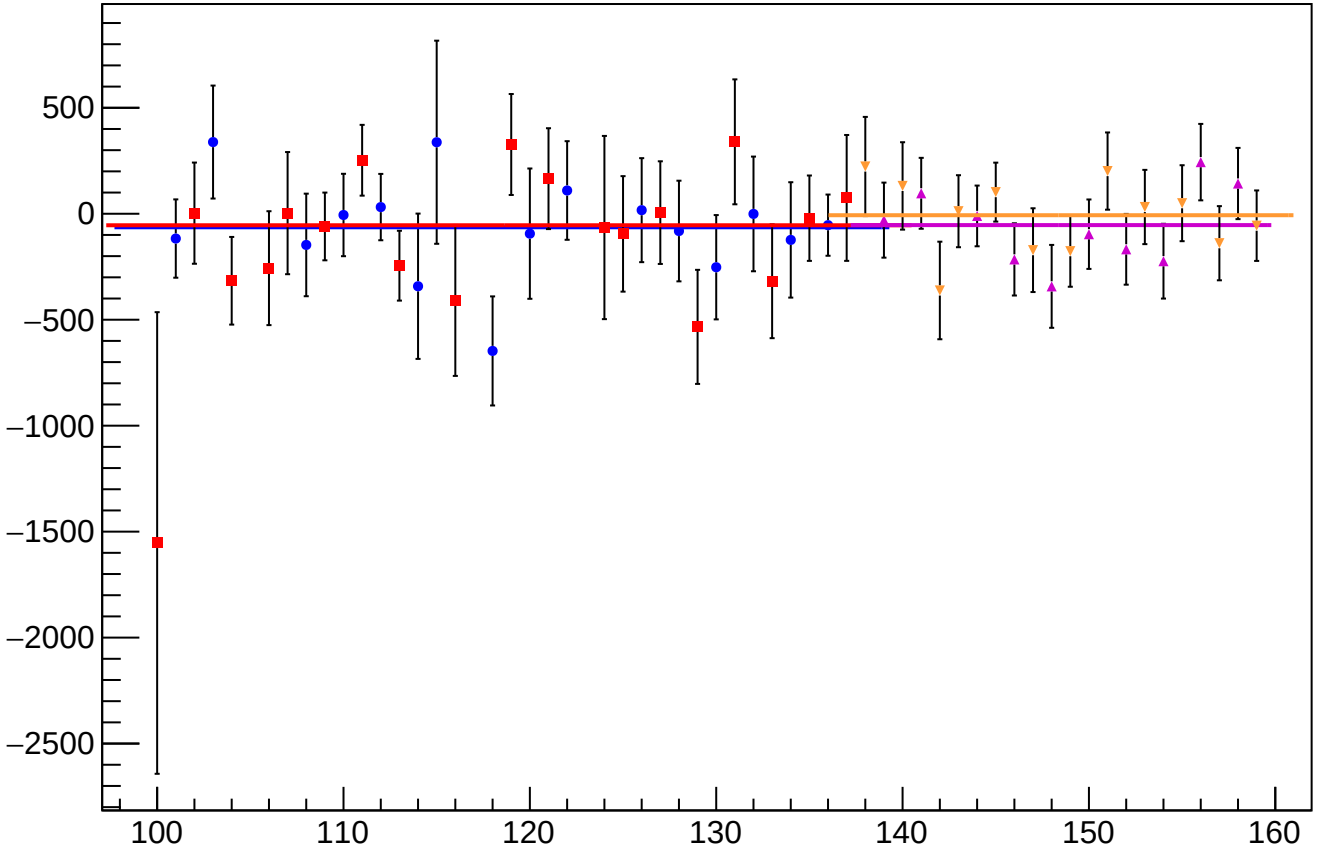
Left In: 1125.151+/-0.274 χ^2/NDF:423659.2/9

+ sign 1183.601+/-0.211 χ^2/NDF: 1869420.4/27

All: 1172.014+/-0.149 χ^2/NDF: 3740744.6/56

- sign 1160.432+/-0.211 χ^2/NDF: 1865307.3/28

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

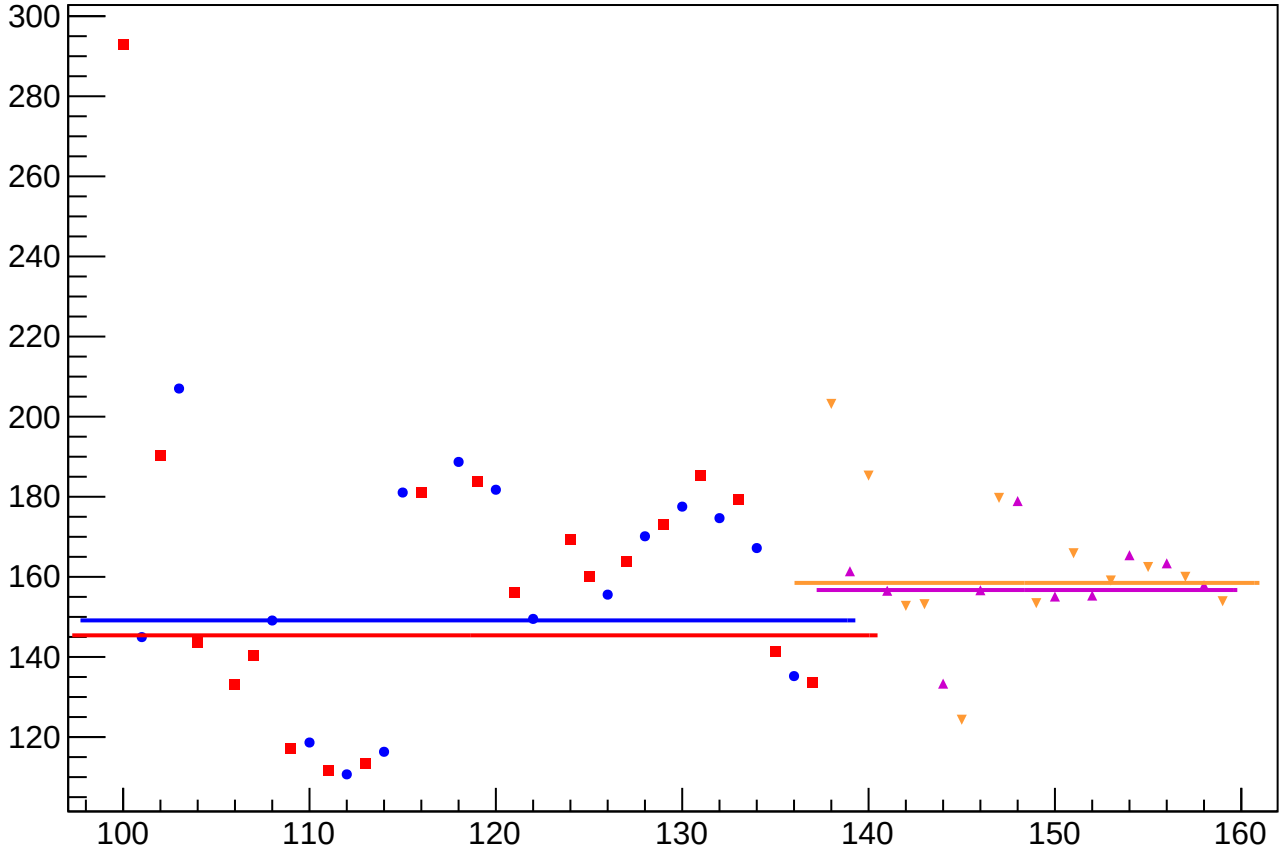
Left In: -53.544+/-53.579 χ^2/NDF:9.5/9

+ sign -32.848+/-38.308 χ^2/NDF: 19.6/27

All: -43.387+/-27.082 χ^2/NDF: 48.8/56

- sign -53.916+/-38.291 χ^2/NDF: 29.1/28

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

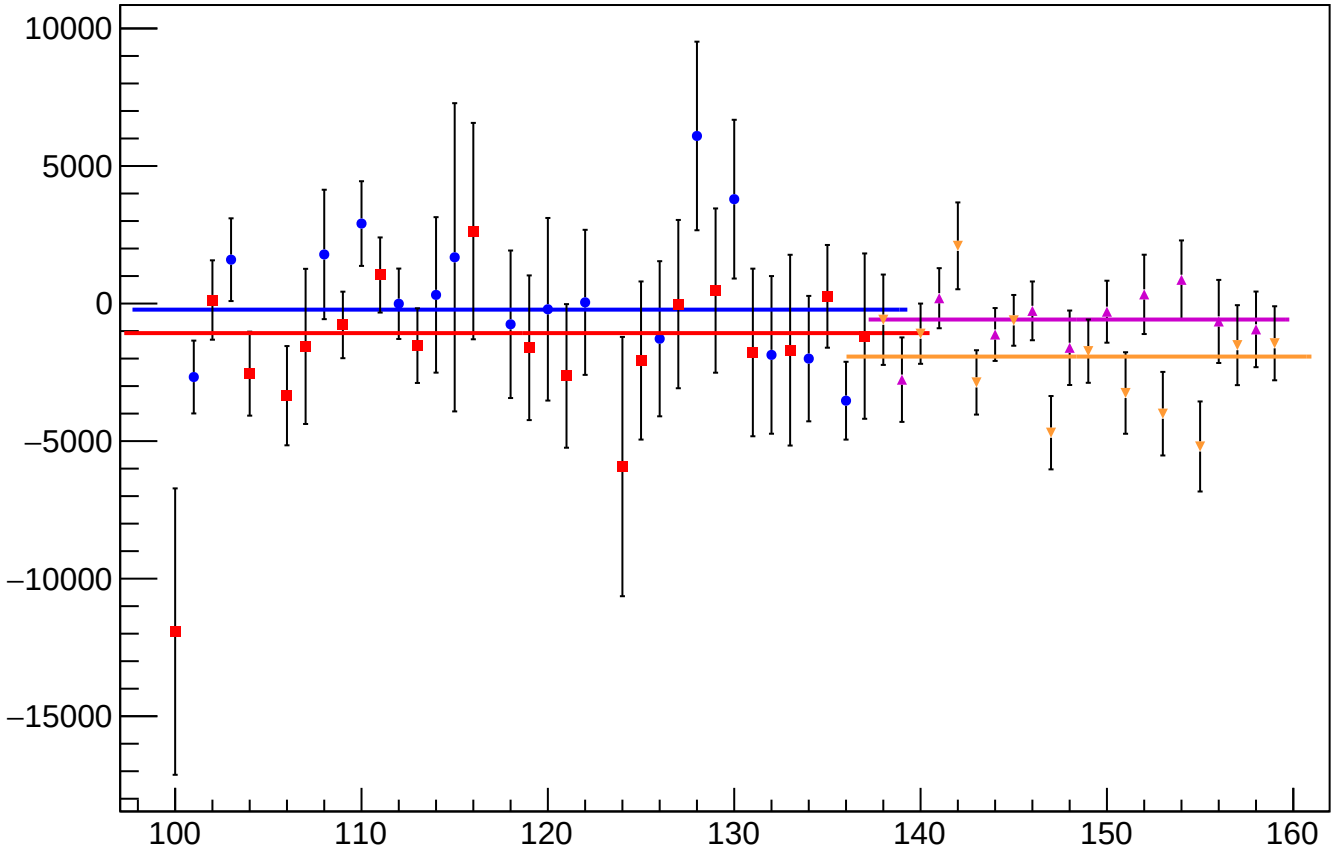
Left In: 156.713+/-0.038 χ^2/NDF:88466.1/9

\+ sign 154.225+/-0.027 χ^2/NDF: 742114.9/27

All: 152.701+/-0.019 χ^2/NDF: 1406363.4/56

\- sign 151.178+/-0.027 χ^2/NDF: 657919.4/28

asym_sam_48_avg_dit_correction_mean vs Slug



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

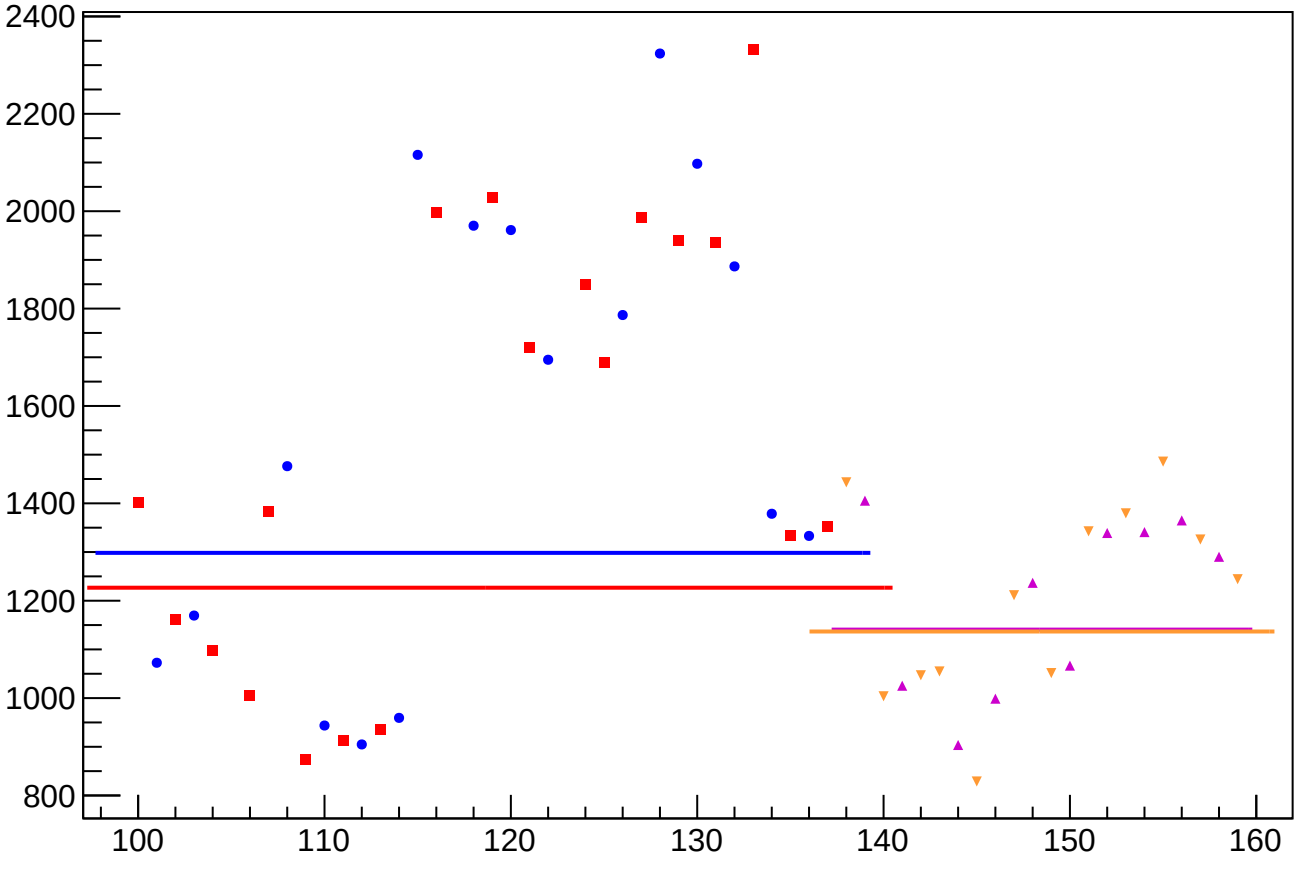
Left In: -580.819+/-392.431 χ^2/NDF:5.1/9

+ sign -1323.193+/-301.242 χ^2/NDF: 50.8/27

All: -1053.330+/-213.267 χ^2/NDF: 71.8/56

- sign -782.159+/-301.970 χ^2/NDF: 19.3/28

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

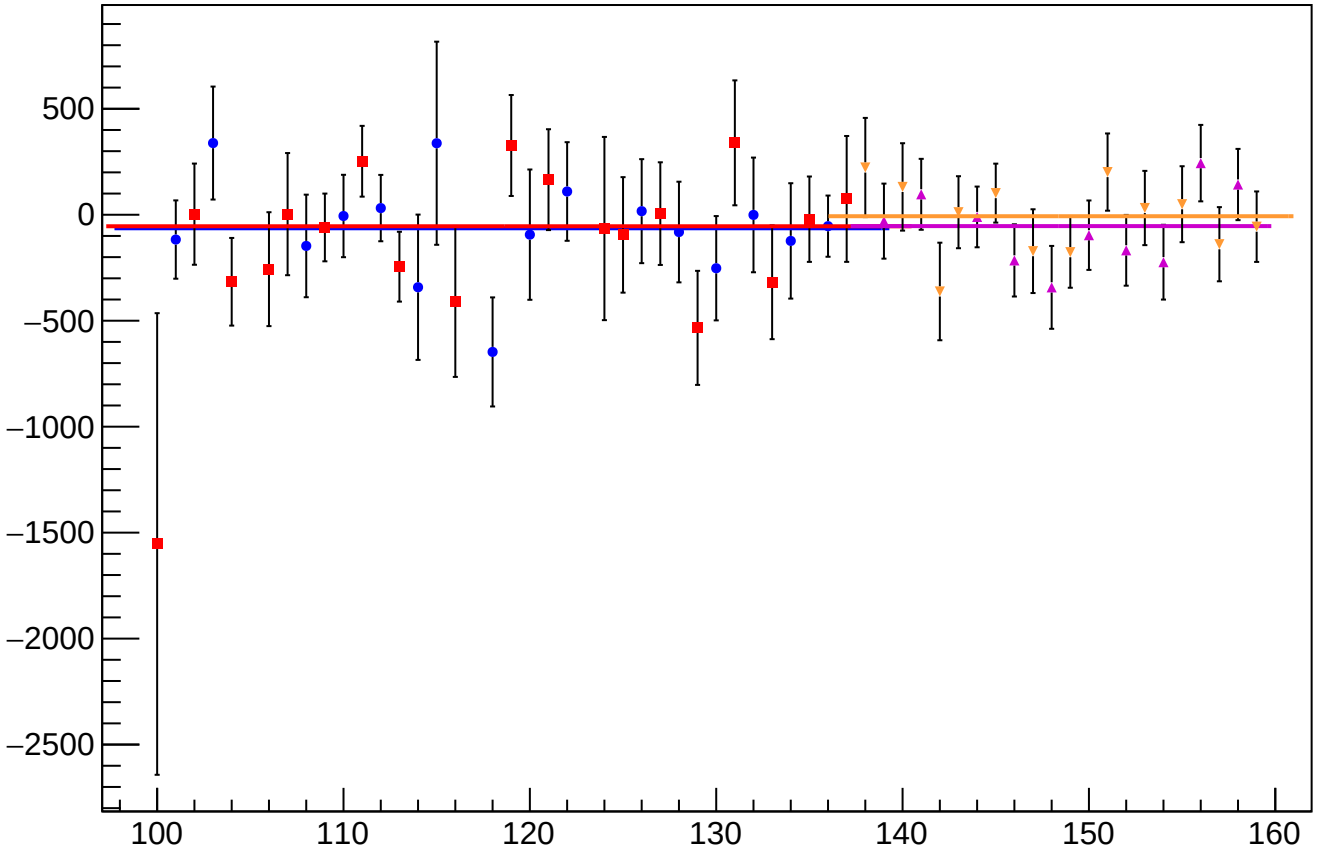
Left In: 1140.670+/-0.277 χ^2/NDF:402203.0/9

+ sign 1193.985+/-0.213 χ^2/NDF: 1896247.2/27

All: 1184.900+/-0.151 χ^2/NDF: 3745849.9/56

- sign 1175.772+/-0.214 χ^2/NDF: 1845956.4/28

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

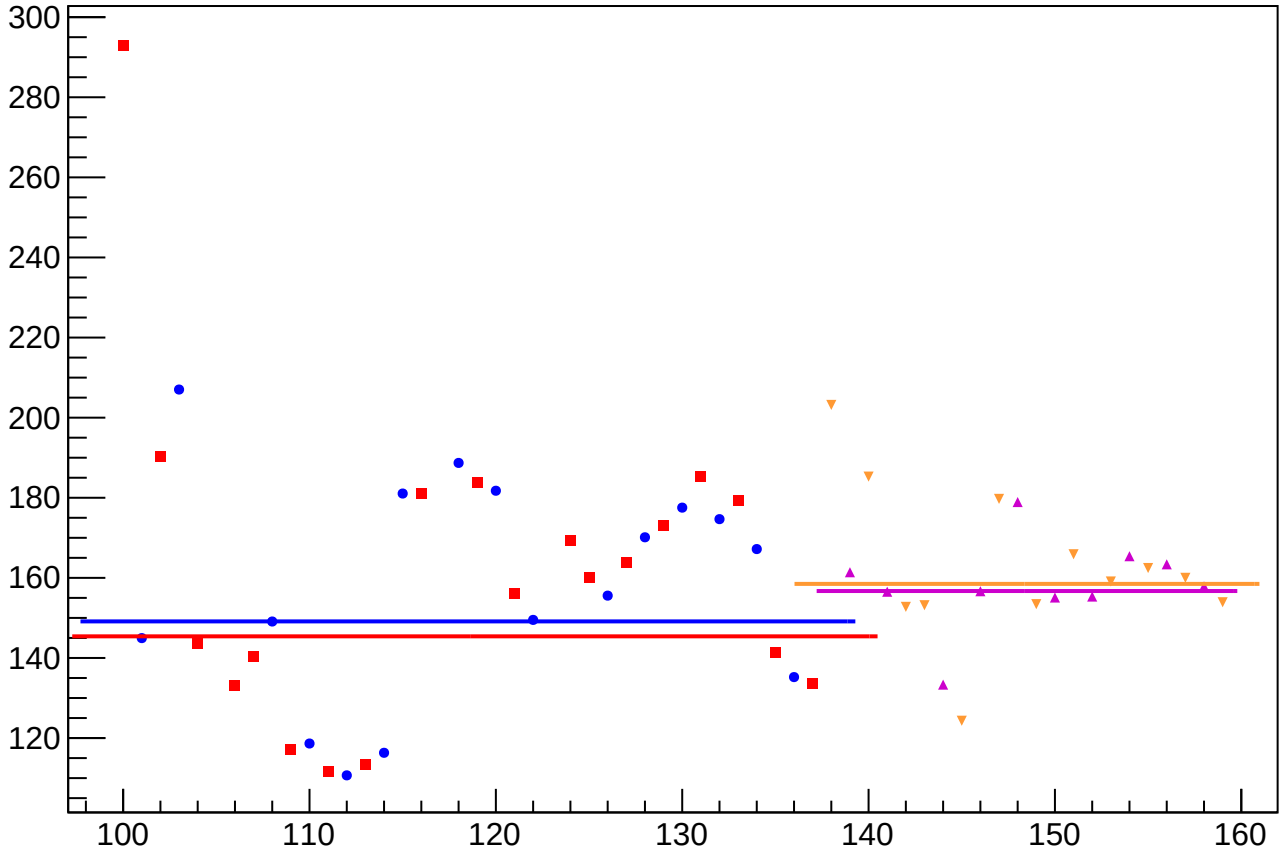
Left In: -53.544+/-53.579 χ^2/NDF:9.5/9

+ sign -32.845+/-38.308 χ^2/NDF: 19.6/27

All: -43.385+/-27.082 χ^2/NDF: 48.8/56

- sign -53.916+/-38.291 χ^2/NDF: 29.1/28

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

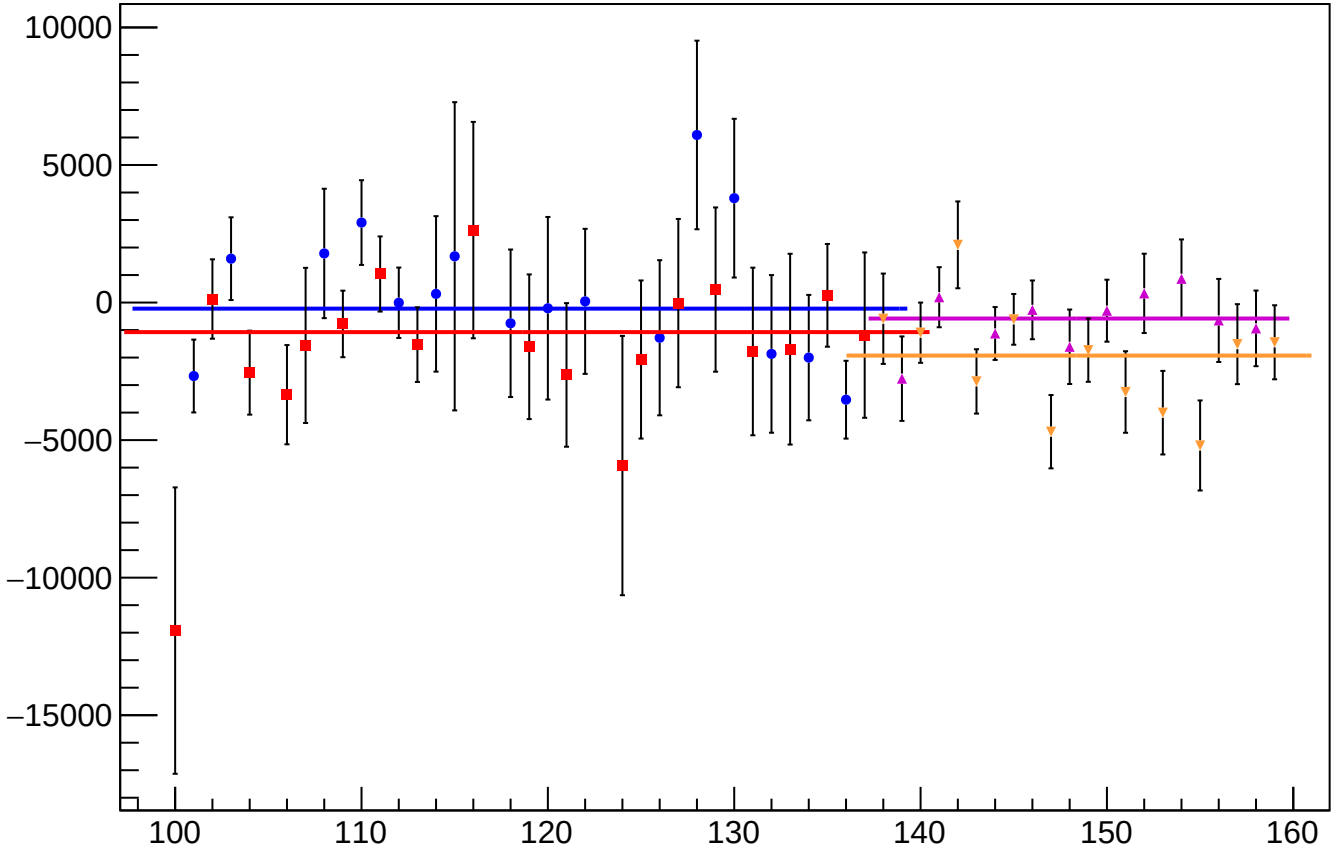
Left In: 156.714+/-0.038 χ^2/NDF:88464.6/9

+ sign 154.225+/-0.027 χ^2/NDF: 742113.1/27

All: 152.701+/-0.019 χ^2/NDF: 1406365.8/56

- sign 151.178+/-0.027 χ^2/NDF: 657923.3/28

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



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

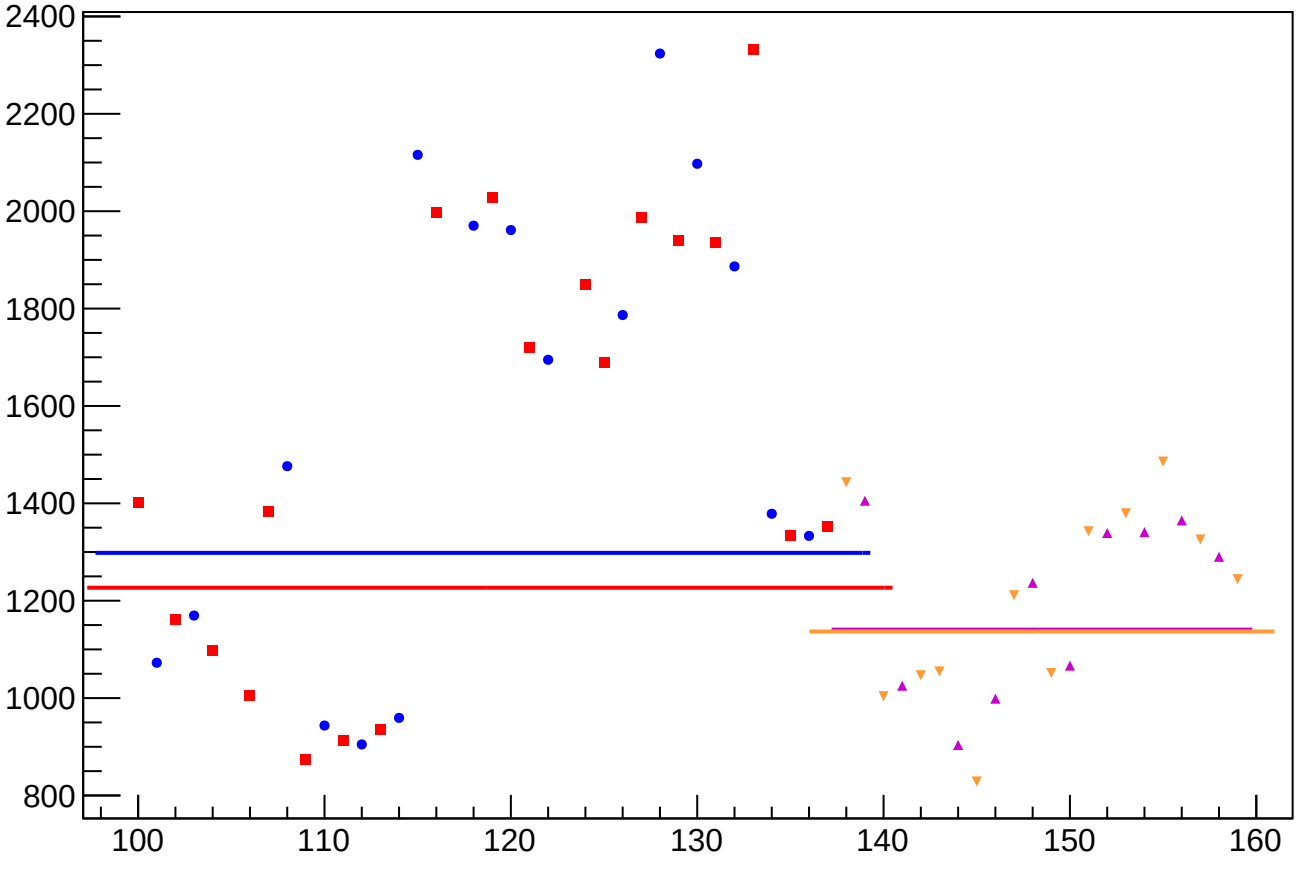
Left In: -580.818+/-392.430 χ^2/NDF:5.1/9

+ sign -1323.191+/-301.241 χ^2/NDF: 50.8/27

All: -1053.328+/-213.267 χ^2/NDF: 71.8/56

- sign -782.158+/-301.970 χ^2/NDF: 19.3/28

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1136.787+/-0.265 χ^2/NDF:582638.0/11

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

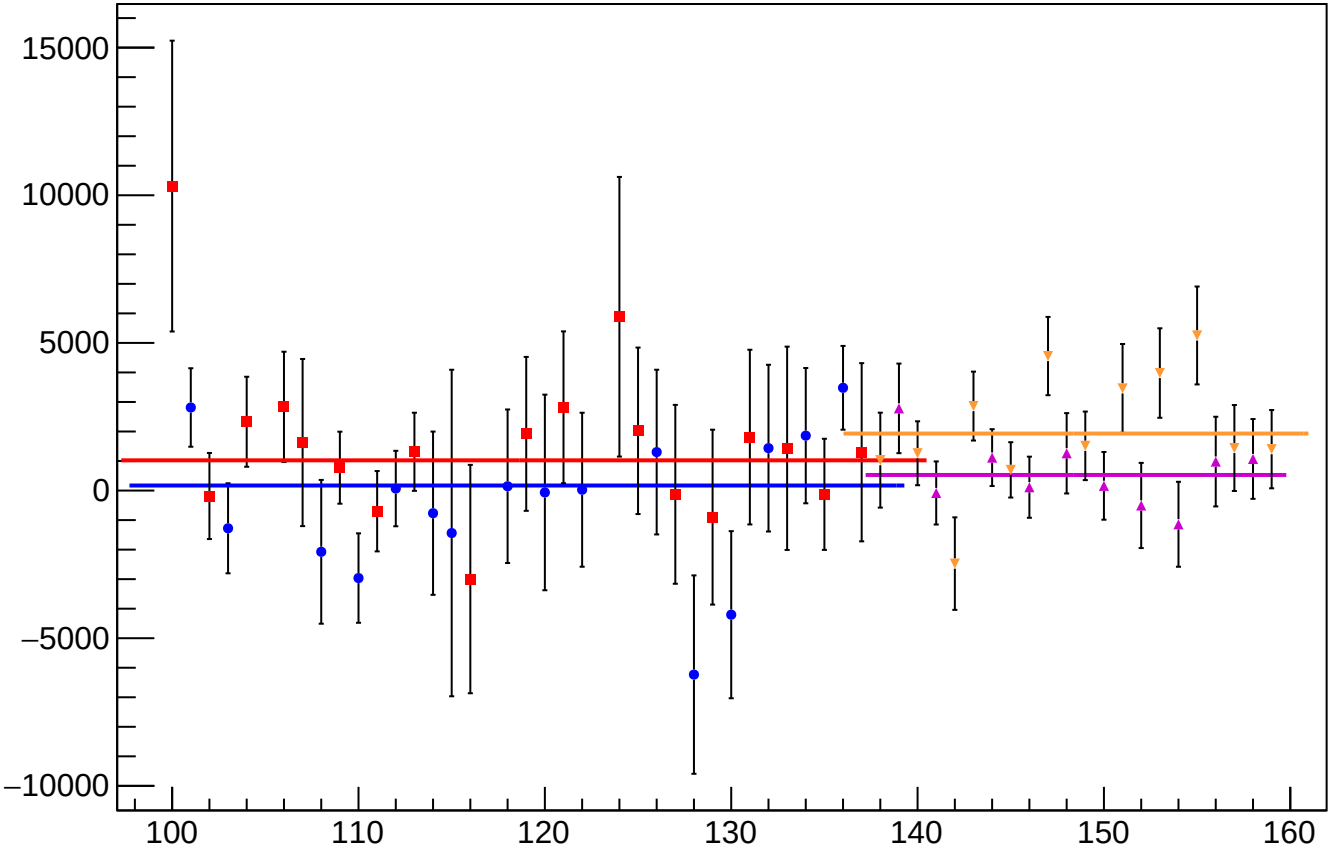
Left In: 1140.669+/-0.277 χ^2/NDF:402201.7/9

\+ sign 1193.983+/-0.213 χ^2/NDF: 1896254.5/27

All: 1184.899+/-0.151 χ^2/NDF: 3745858.4/56

\- sign 1175.771+/-0.214 χ^2/NDF: 1845957.8/28

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

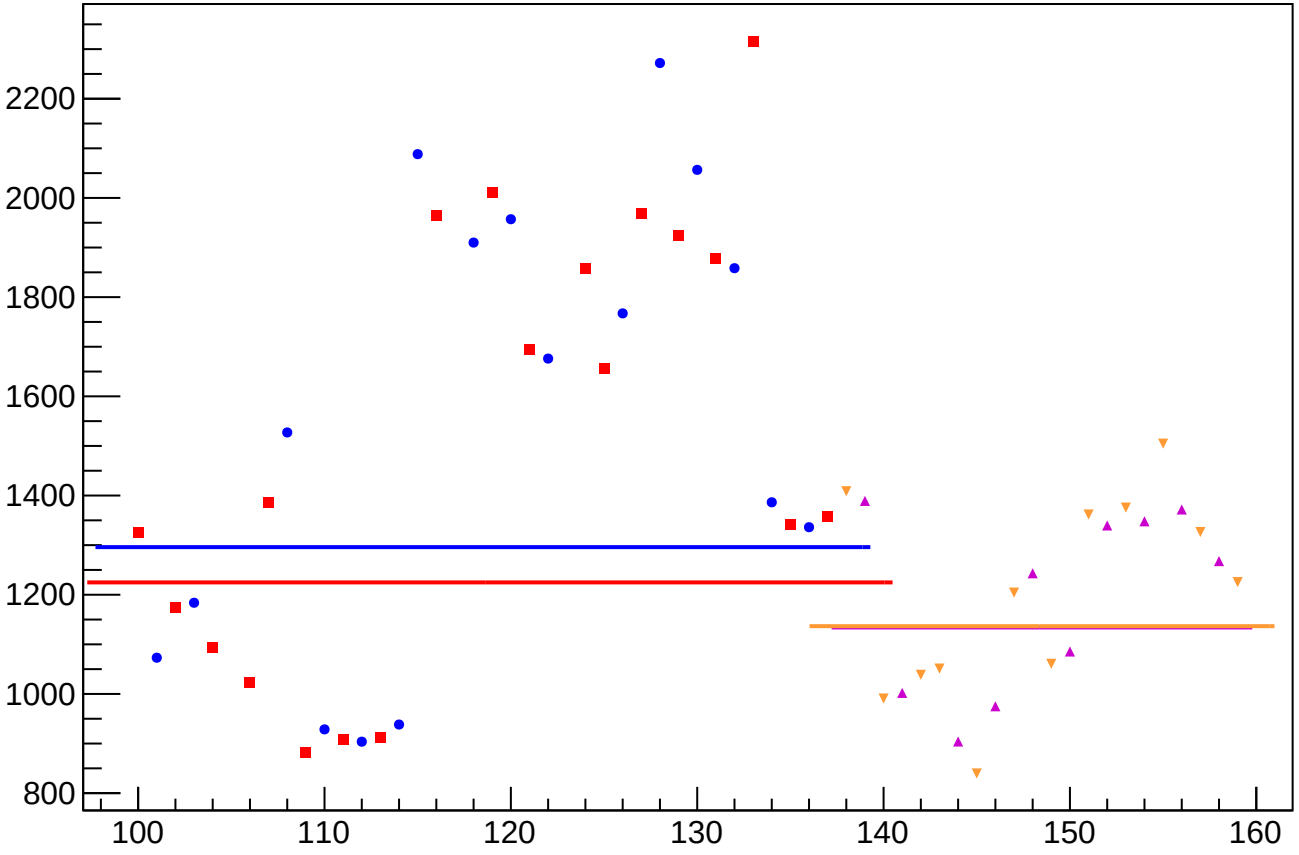
Left In: 528.120+/-390.132 χ^2/NDF:5.6/9

+ sign 1305.790+/-301.032 χ^2/NDF: 52.6/27

All: 1017.220+/-212.748 χ^2/NDF: 72.2/56

- sign 729.265+/-300.711 χ^2/NDF: 17.8/28

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

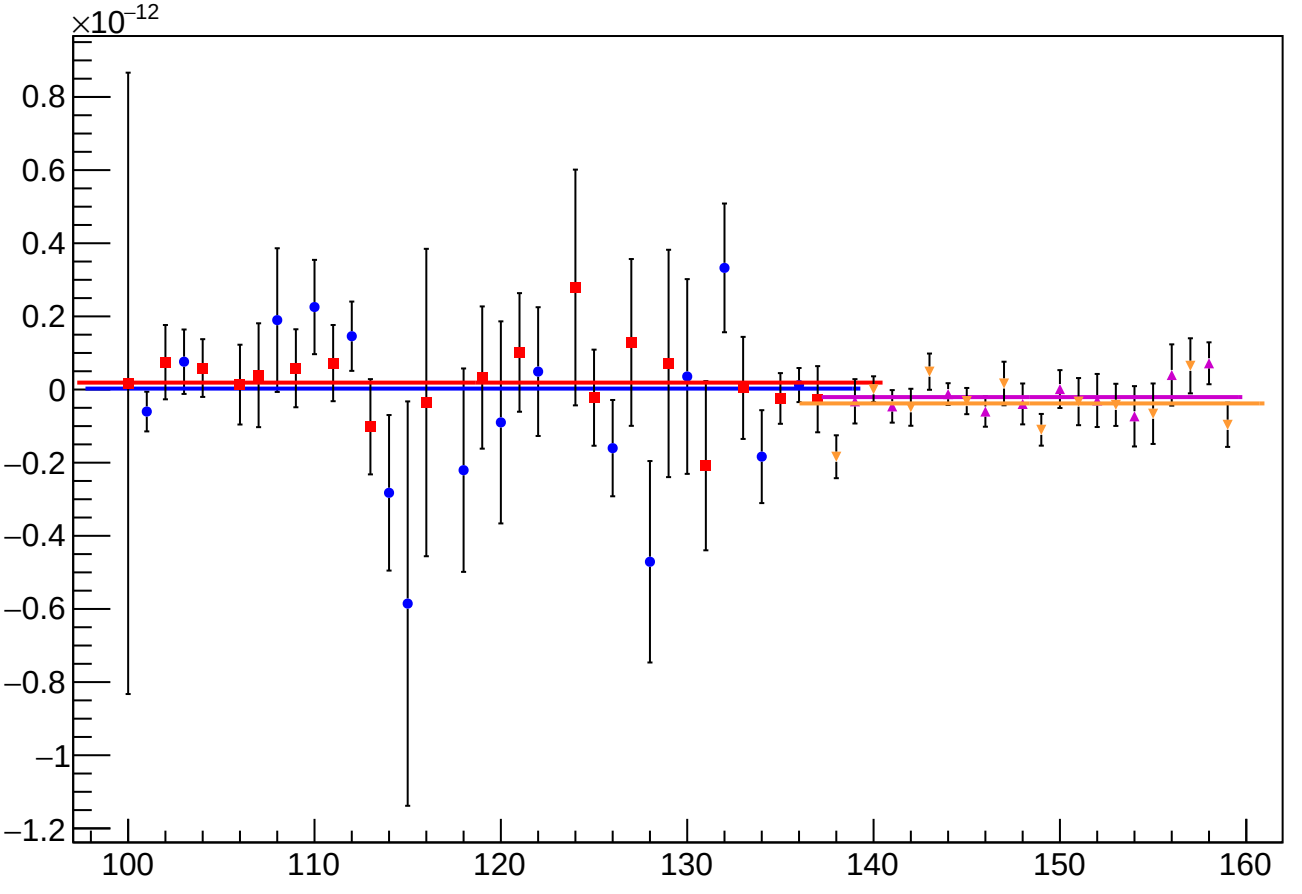
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1134.002+/-0.276 χ^2/NDF:418344.5/9

+ sign 1193.222+/-0.213 χ^2/NDF: 1845580.0/27

All: 1182.041+/-0.150 χ^2/NDF: 3684761.3/56

- sign 1170.884+/-0.213 χ^2/NDF: 1833669.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/11

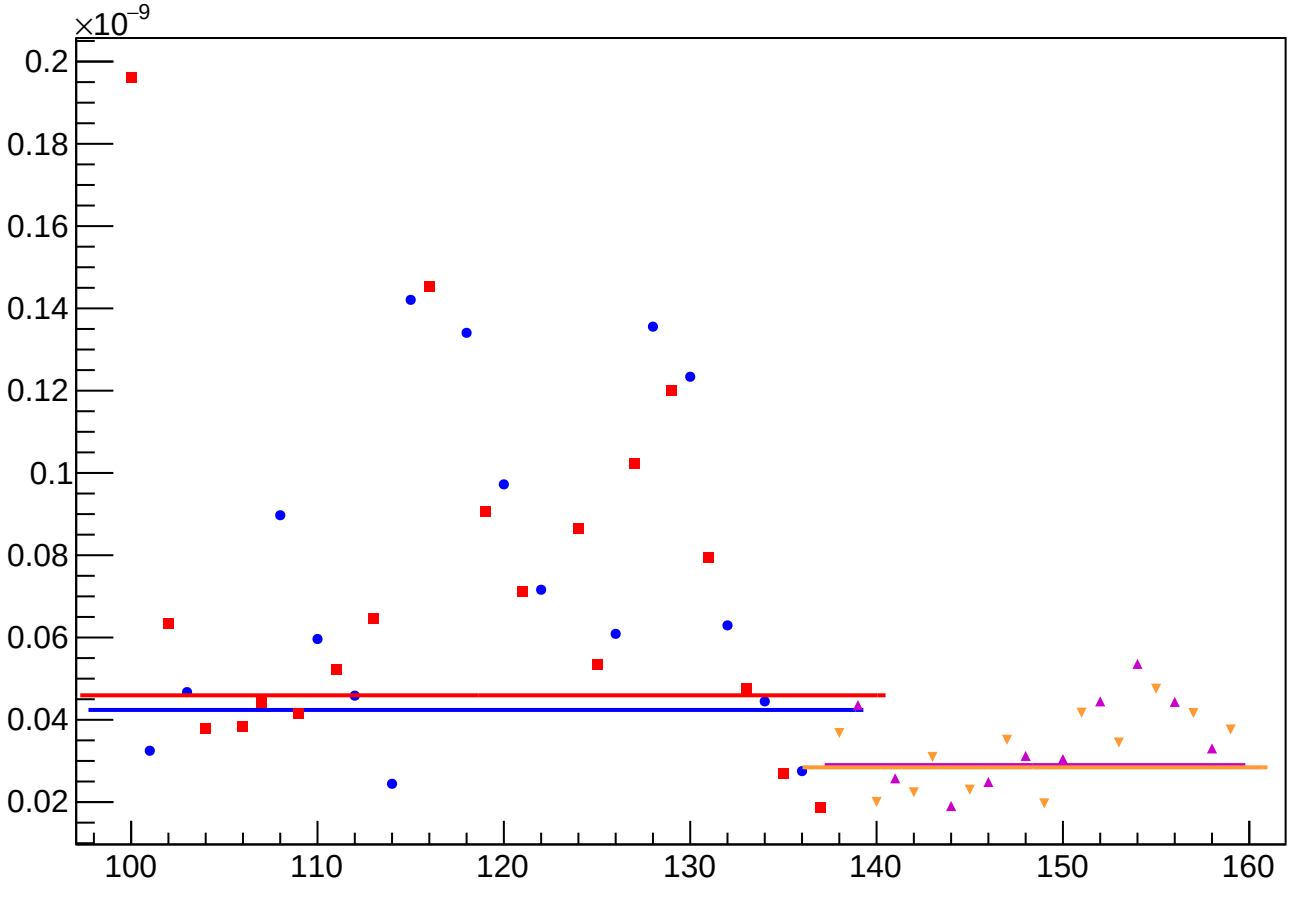
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

\+ sign -0.000+/-0.000 χ^2/NDF: 41.0/27

All: -0.000+/-0.000 χ^2/NDF: 53.2/56

\- sign -0.000+/-0.000 χ^2/NDF: 11.4/28



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

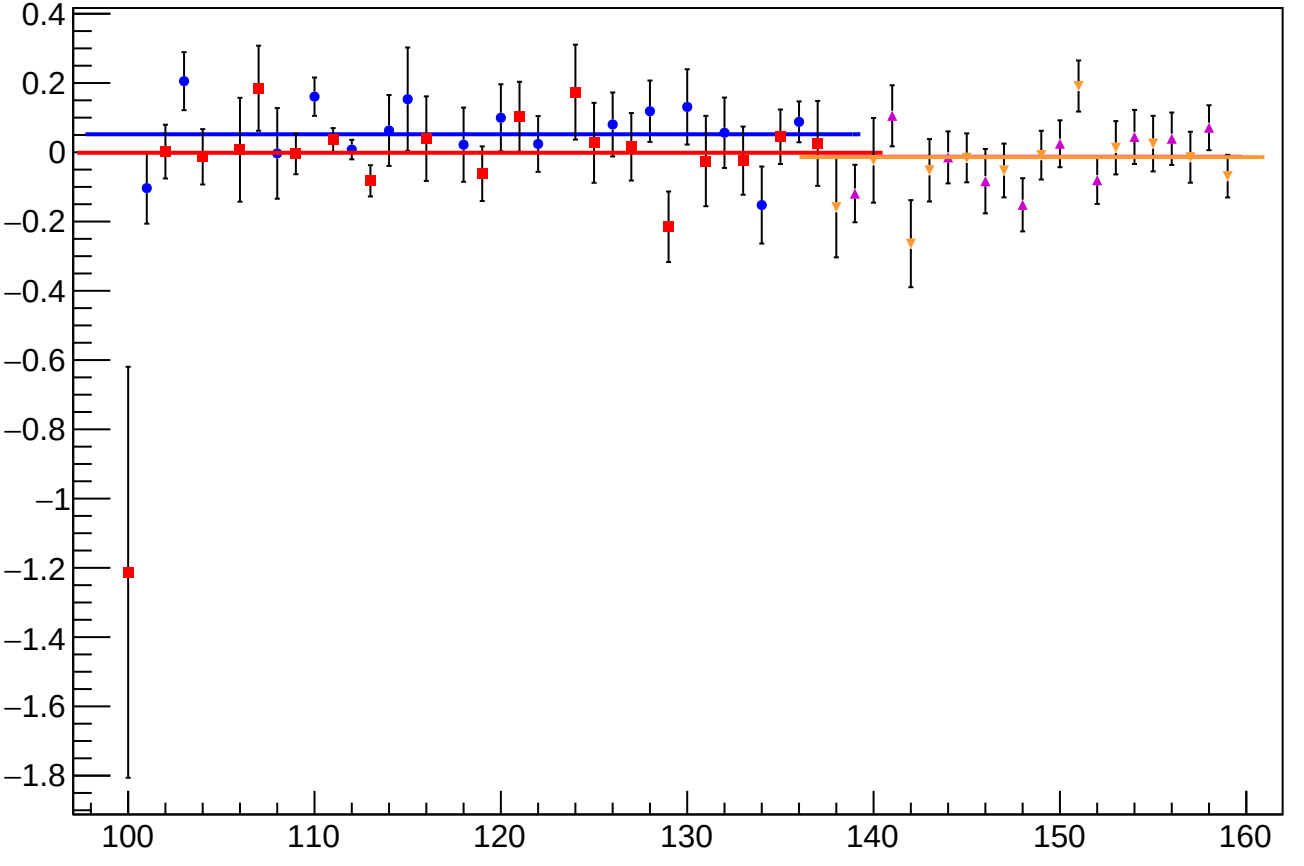
Left In: 0.000+/-0.000 χ^2/NDF:720150.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 2419314.6/27

All: 0.000+/-0.000 χ^2/NDF: 4796426.8/56

- sign 0.000+/-0.000 χ^2/NDF: 2368223.3/28

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

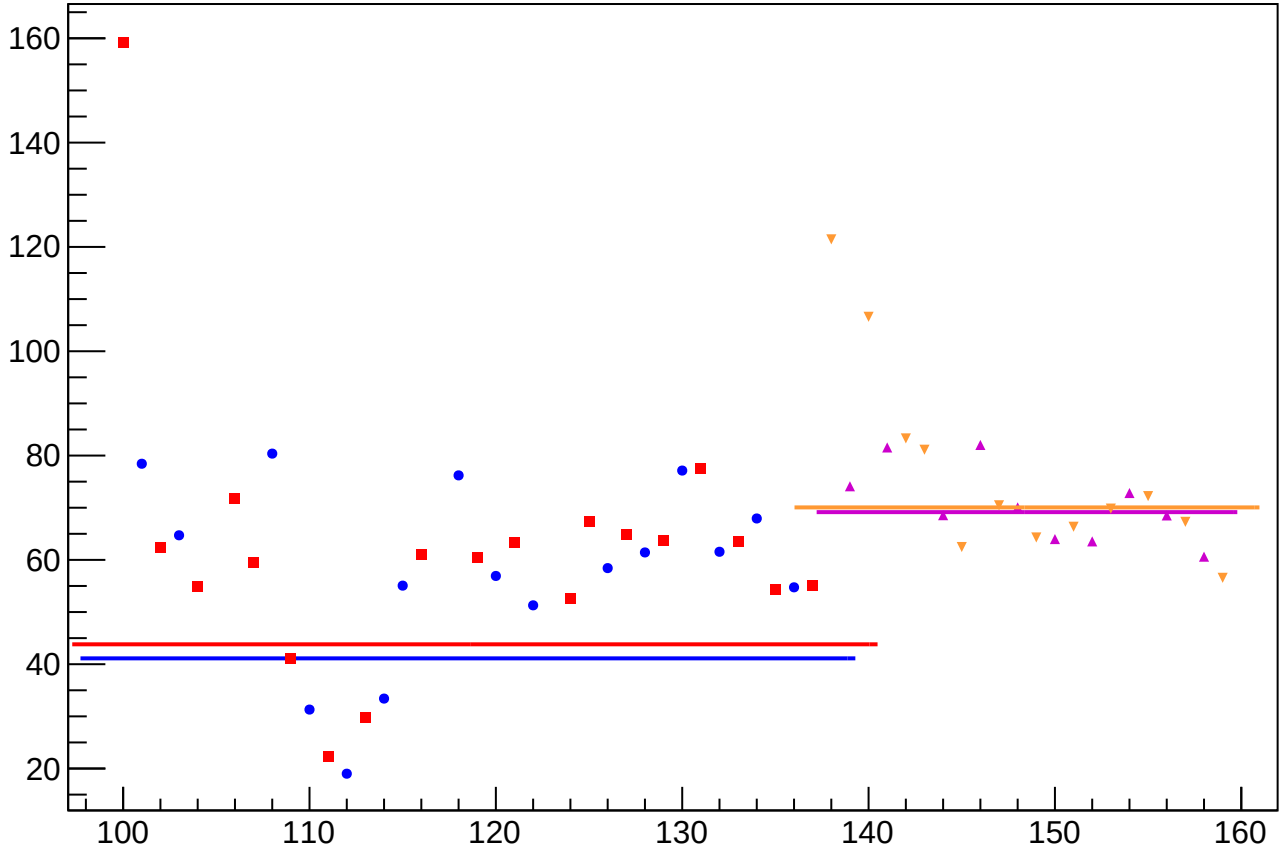
Left In: -0.013+/-0.024 χ^2/NDF:11.2/9

+ sign 0.028+/-0.014 χ^2/NDF: 37.3/27

All: 0.011+/-0.010 χ^2/NDF: 70.7/56

- sign -0.006+/-0.014 χ^2/NDF: 30.6/28

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

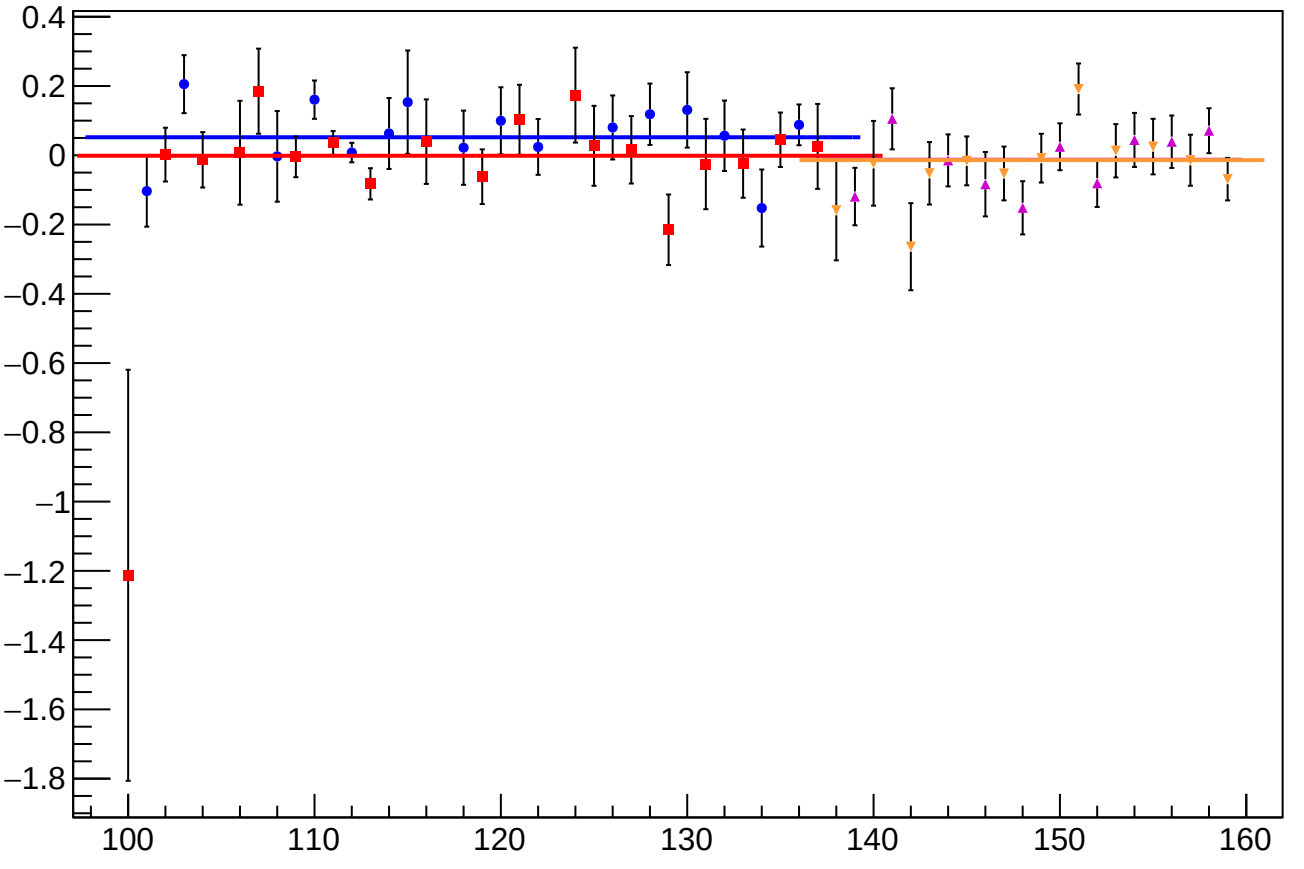
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.155+/-0.017 χ^2/NDF:149667.9/9

+ sign 51.708+/-0.010 χ^2/NDF: 5491267.3/27

All: 52.303+/-0.007 χ^2/NDF: 9131689.7/56

- sign 52.914+/-0.010 χ^2/NDF: 3633267.0/28



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.023 χ^2/NDF:14.3/11

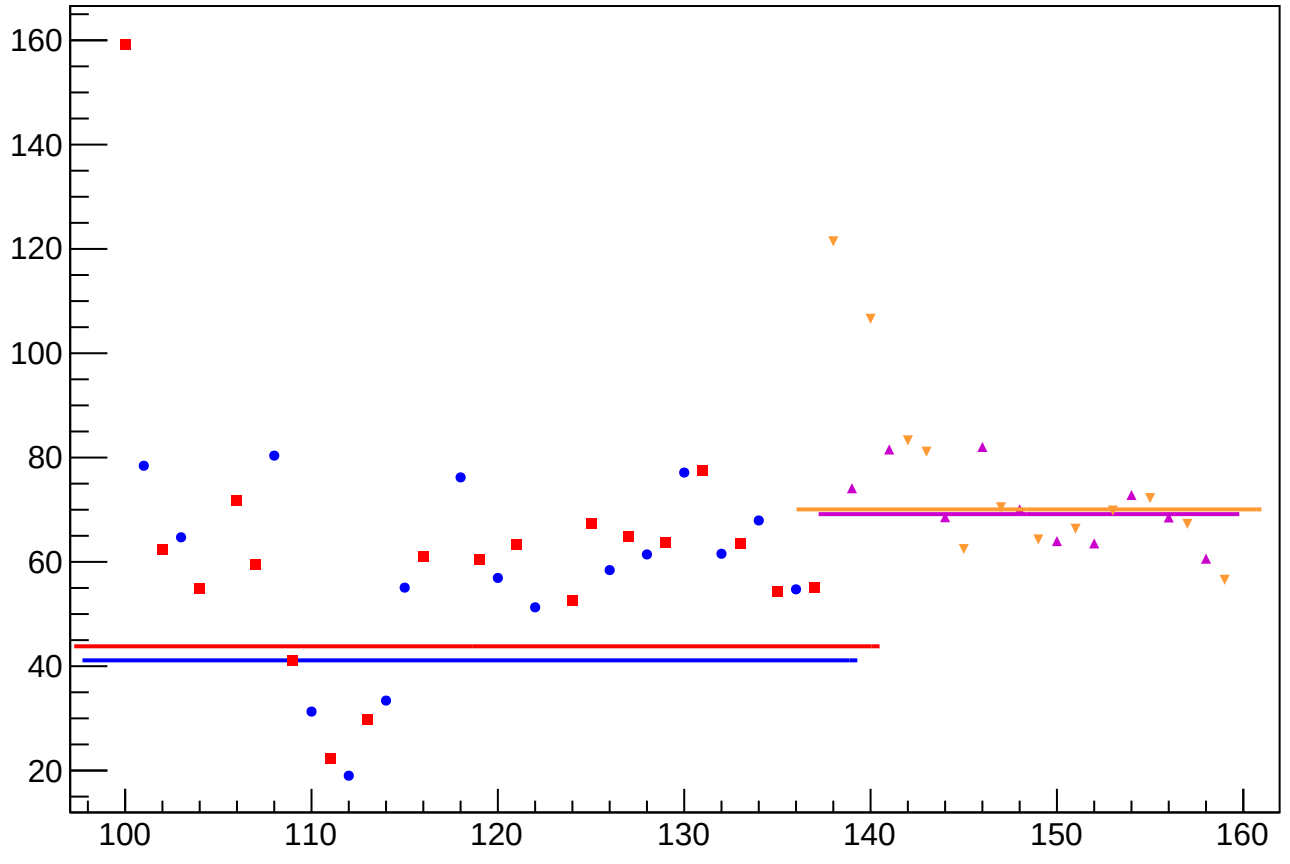
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.013+/-0.024 χ^2/NDF:11.2/9

+ sign 0.028+/-0.014 χ^2/NDF: 37.3/27

All: 0.011+/-0.010 χ^2/NDF: 70.7/56

- sign -0.006+/-0.014 χ^2/NDF: 30.6/28



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.061+/-0.017 χ^2/NDF:625548.4/11

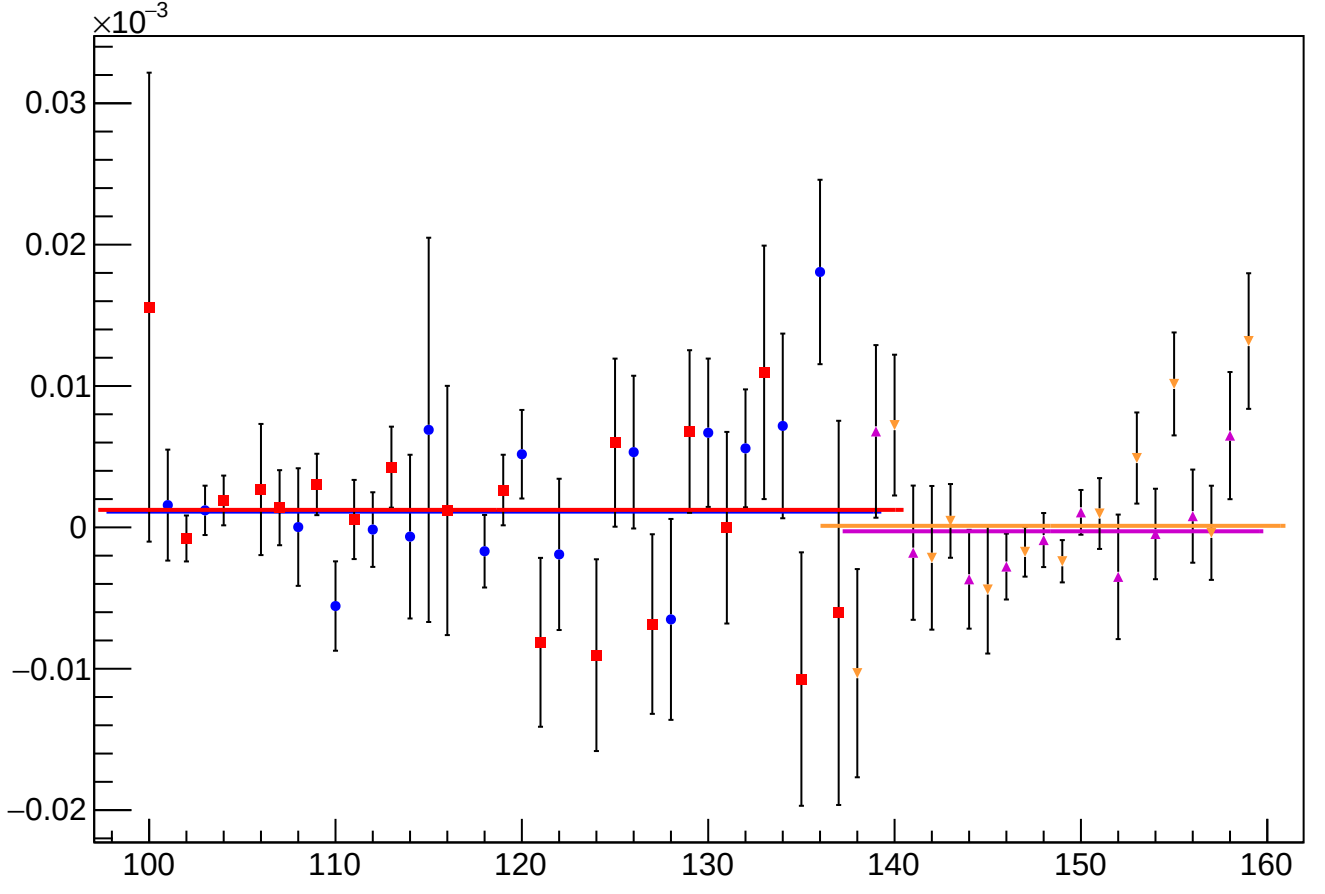
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.155+/-0.017 χ^2/NDF:149667.9/9

+ sign 51.708+/-0.010 χ^2/NDF: 5491267.3/27

All: 52.303+/-0.007 χ^2/NDF: 9131689.7/56

- sign 52.914+/-0.010 χ^2/NDF: 3633267.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/11

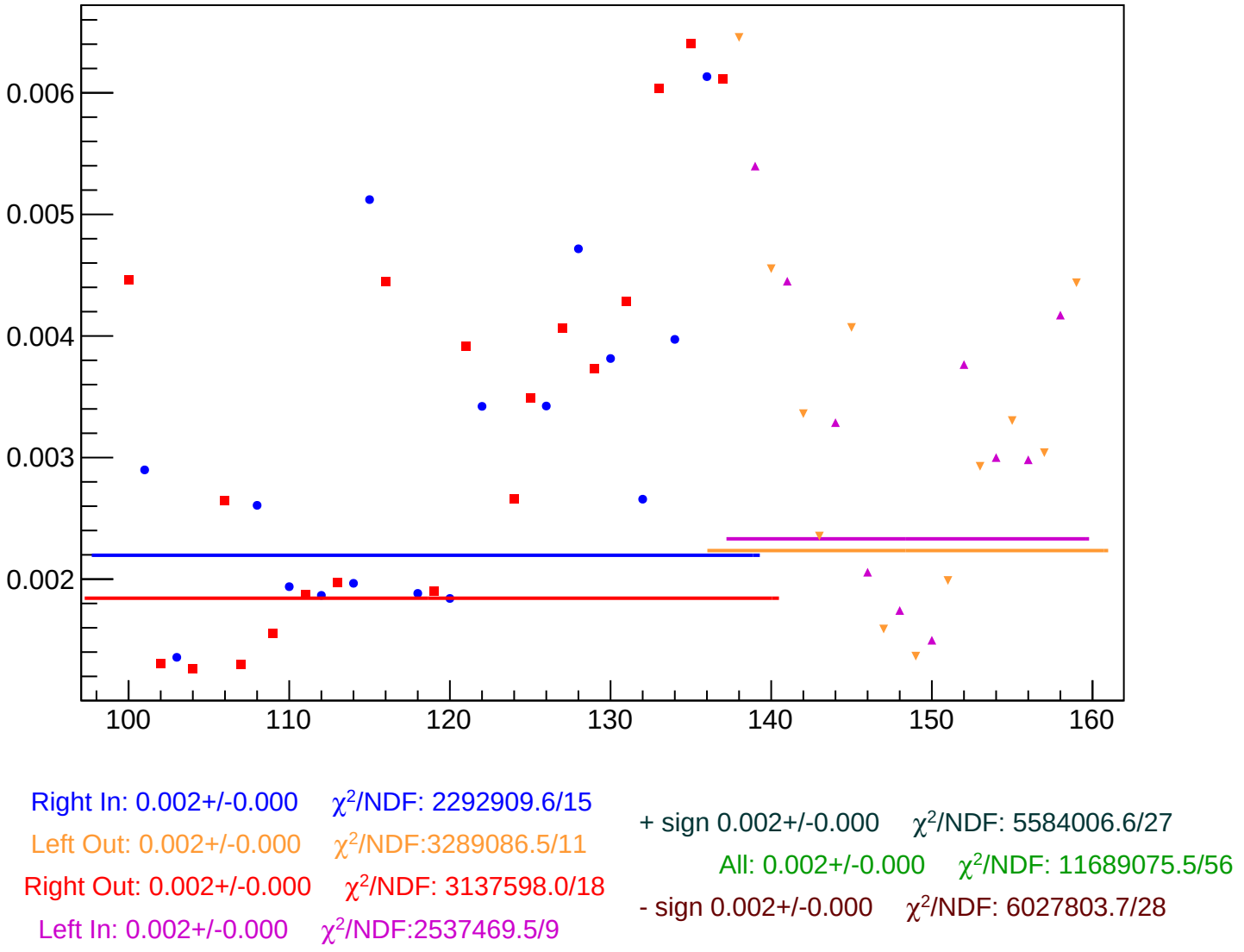
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

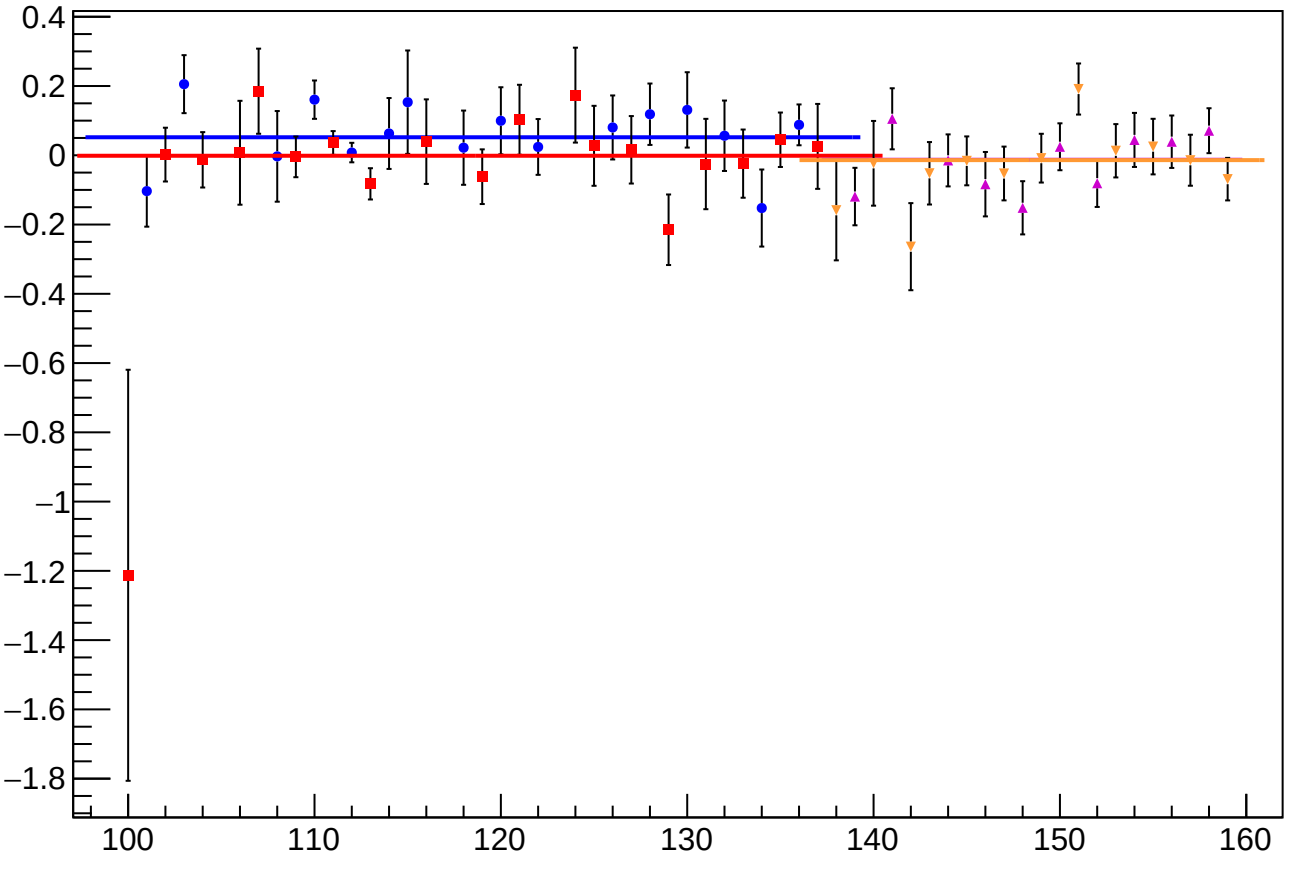
Left In: -0.000+/-0.000 χ^2/NDF:7.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/27

All: 0.000+/-0.000 χ^2/NDF: 72.0/56

- sign 0.000+/-0.000 χ^2/NDF: 24.9/28


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 2292909.6/15
Left Out: 0.002+/-0.000 χ²/NDF:3289086.5/11
Right Out: 0.002+/-0.000 χ²/NDF: 3137598.0/18
Left In: 0.002+/-0.000 χ²/NDF:2537469.5/9
+ sign 0.002+/-0.000 χ²/NDF: 5584006.6/27
All: 0.002+/-0.000 χ²/NDF: 11689075.5/56
- sign 0.002+/-0.000 χ²/NDF: 6027803.7/28



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.023 χ^2/NDF:14.3/11

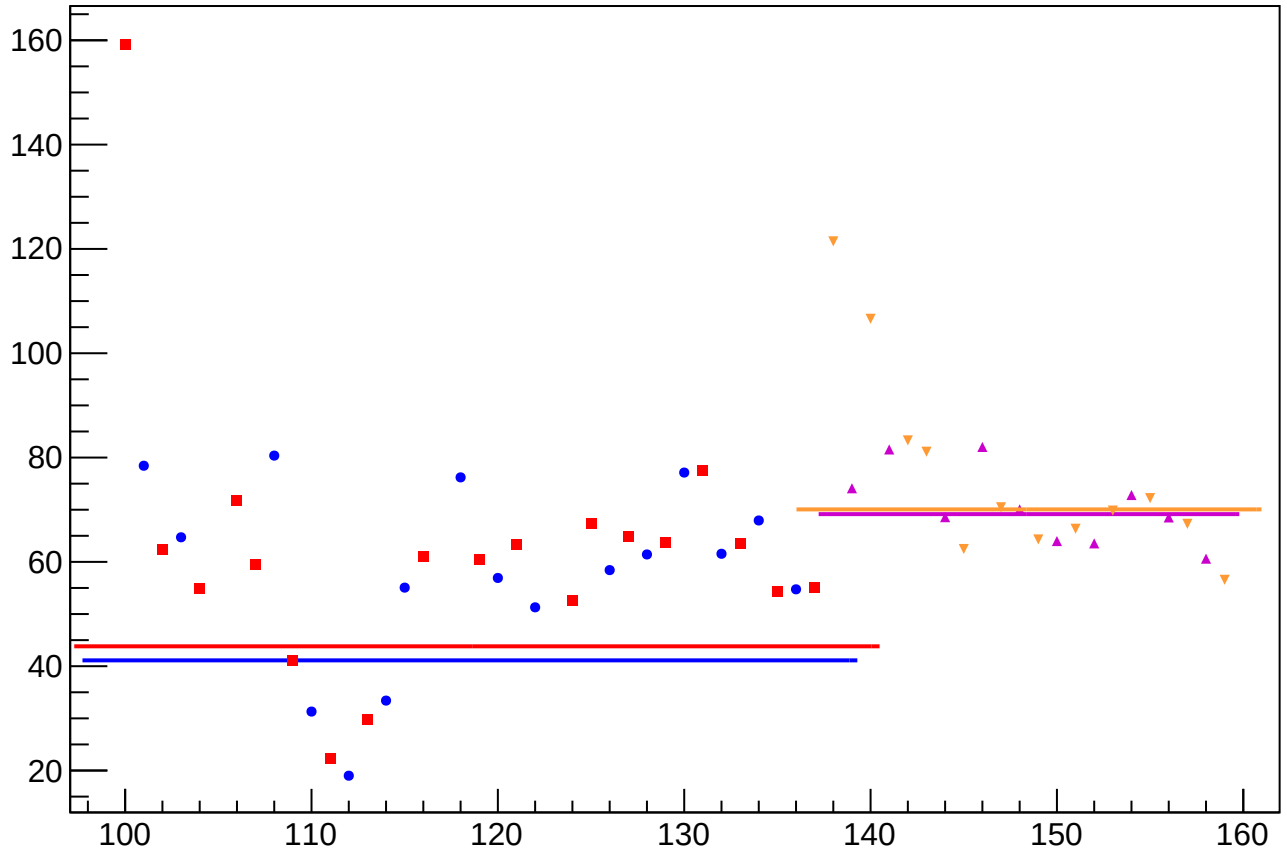
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.013+/-0.024 χ^2/NDF:11.2/9

+ sign 0.028+/-0.014 χ^2/NDF: 37.3/27

All: 0.011+/-0.010 χ^2/NDF: 70.7/56

- sign -0.006+/-0.014 χ^2/NDF: 30.6/28



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.062+/-0.017 χ^2/NDF:625527.2/11

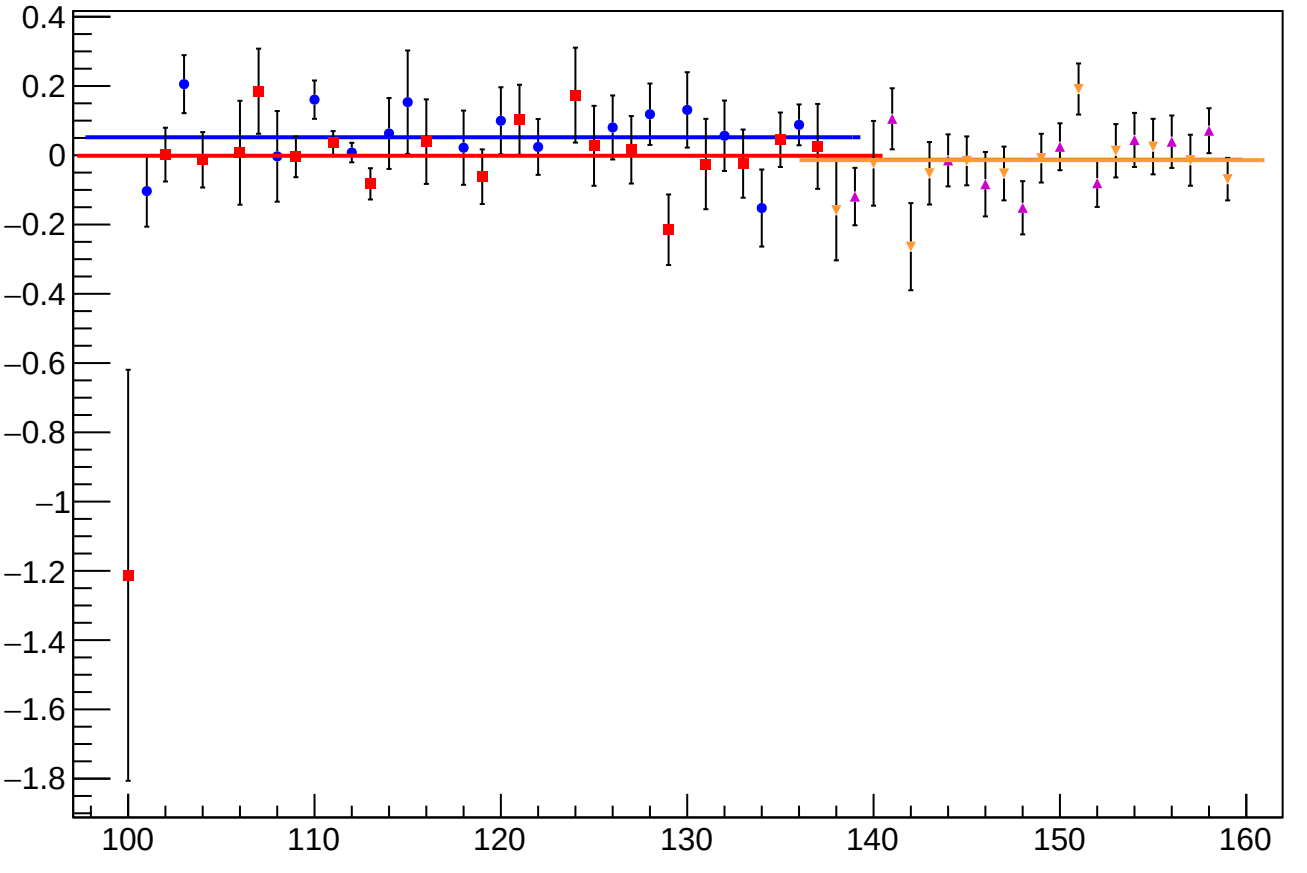
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.156+/-0.017 χ^2/NDF:149666.9/9

+ sign 51.708+/-0.010 χ^2/NDF: 5491637.7/27

All: 52.302+/-0.007 χ^2/NDF: 9132417.5/56

- sign 52.914+/-0.010 χ^2/NDF: 3633623.8/28



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.023 χ^2/NDF:14.3/11

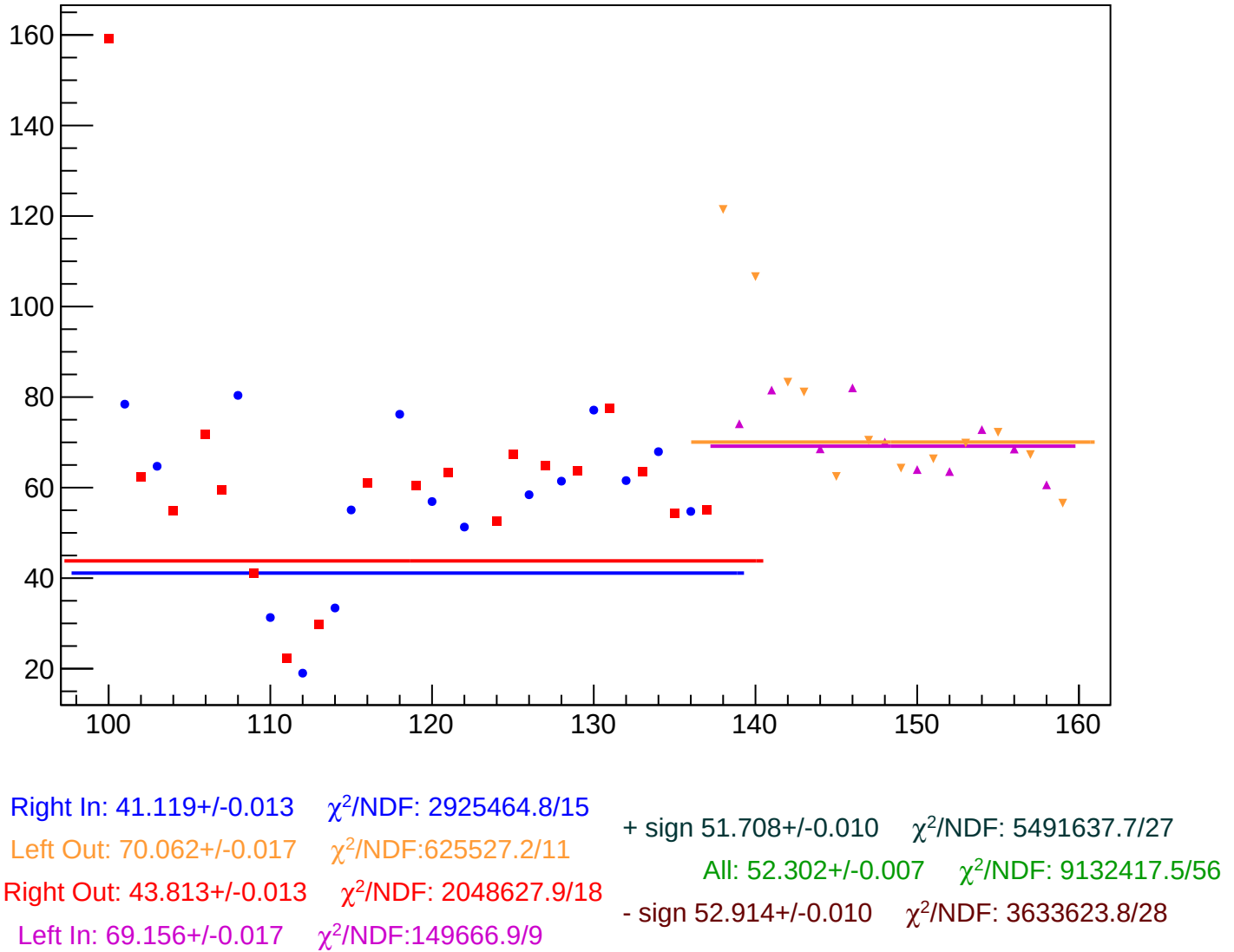
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

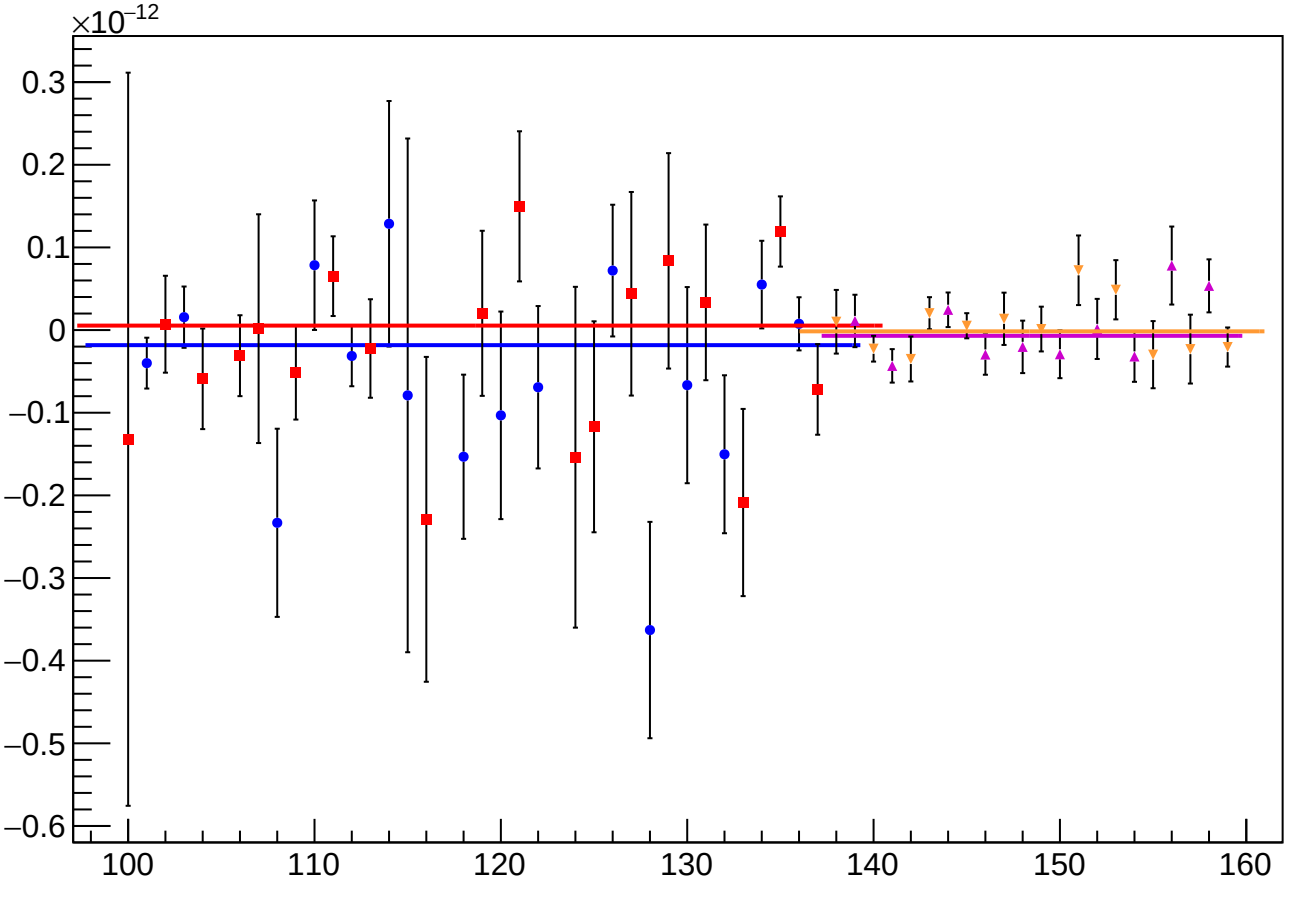
Left In: -0.013+/-0.024 χ^2/NDF:11.2/9

+ sign 0.028+/-0.014 χ^2/NDF: 37.3/27

All: 0.011+/-0.010 χ^2/NDF: 70.7/56

- sign -0.006+/-0.014 χ^2/NDF: 30.6/28


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 41.119+/-0.013 χ²/NDF: 2925464.8/15
Left Out: 70.062+/-0.017 χ²/NDF:625527.2/11
Right Out: 43.813+/-0.013 χ²/NDF: 2048627.9/18
Left In: 69.156+/-0.017 χ²/NDF:149666.9/9
+ sign 51.708+/-0.010 χ²/NDF: 5491637.7/27
All: 52.302+/-0.007 χ²/NDF: 9132417.5/56
- sign 52.914+/-0.010 χ²/NDF: 3633623.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/11

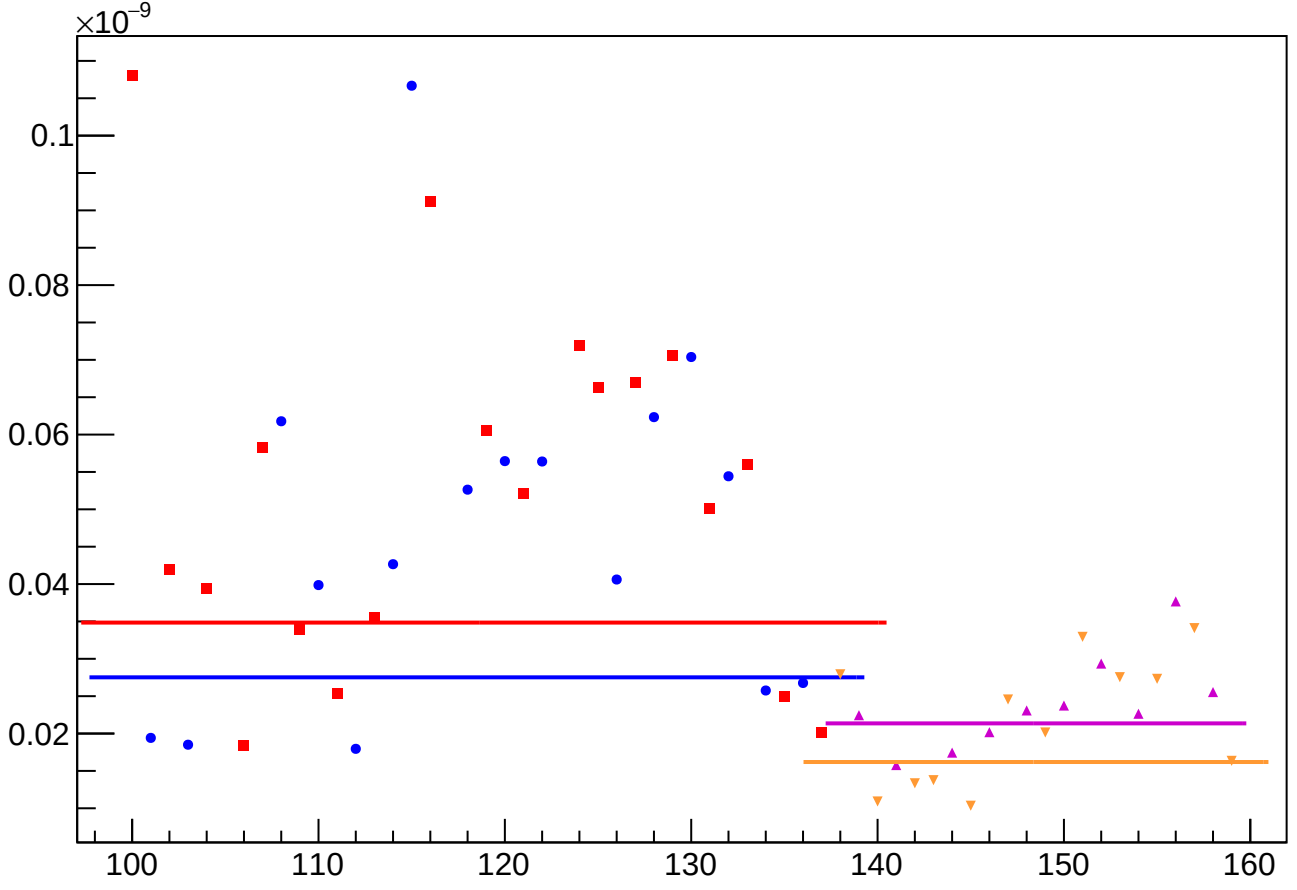
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/27

All: -0.000+/-0.000 χ^2/NDF: 74.3/56

- sign -0.000+/-0.000 χ^2/NDF: 38.7/28



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

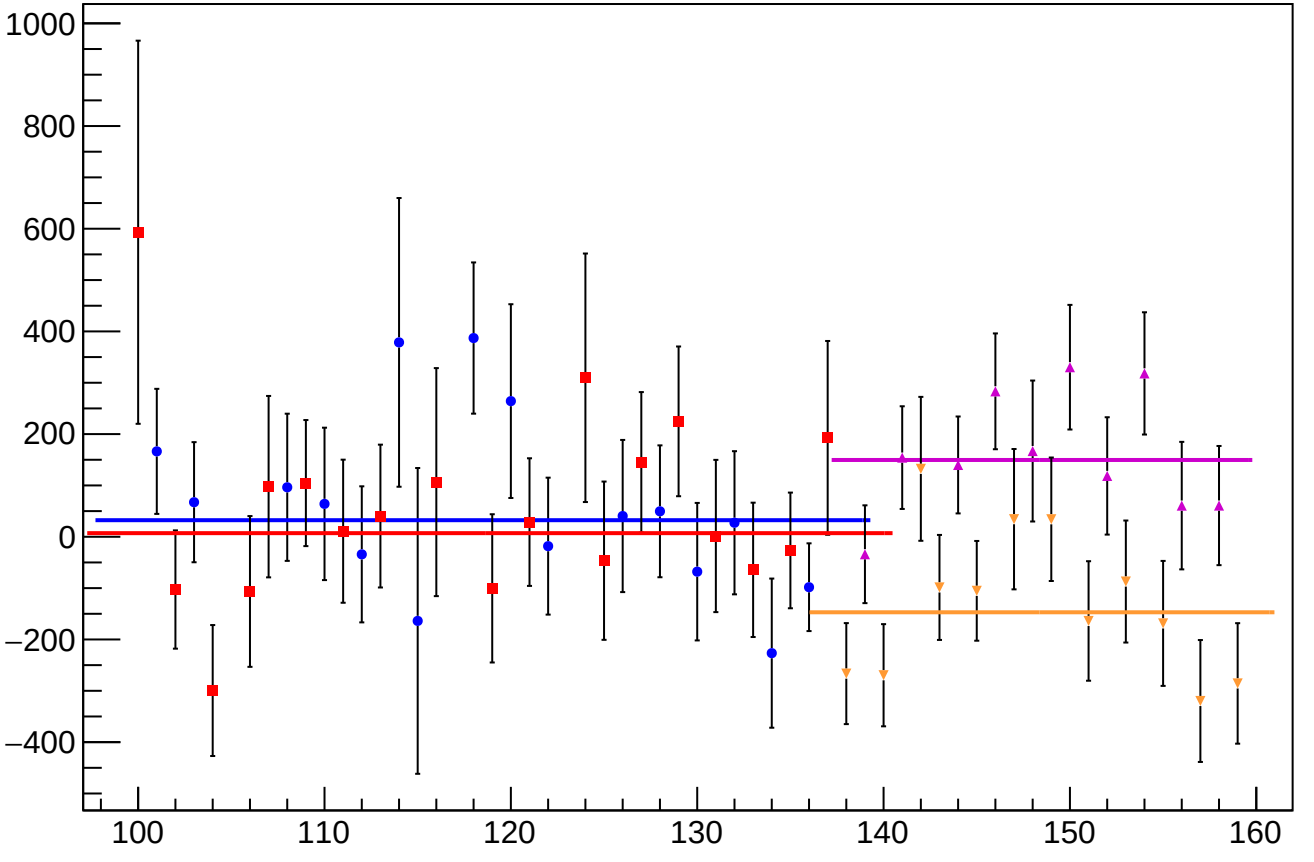
Left In: 0.000+/-0.000 χ^2/NDF:621696.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 4777282.7/27

All: 0.000+/-0.000 χ^2/NDF: 8781007.8/56

- sign 0.000+/-0.000 χ^2/NDF: 3318044.1/28

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

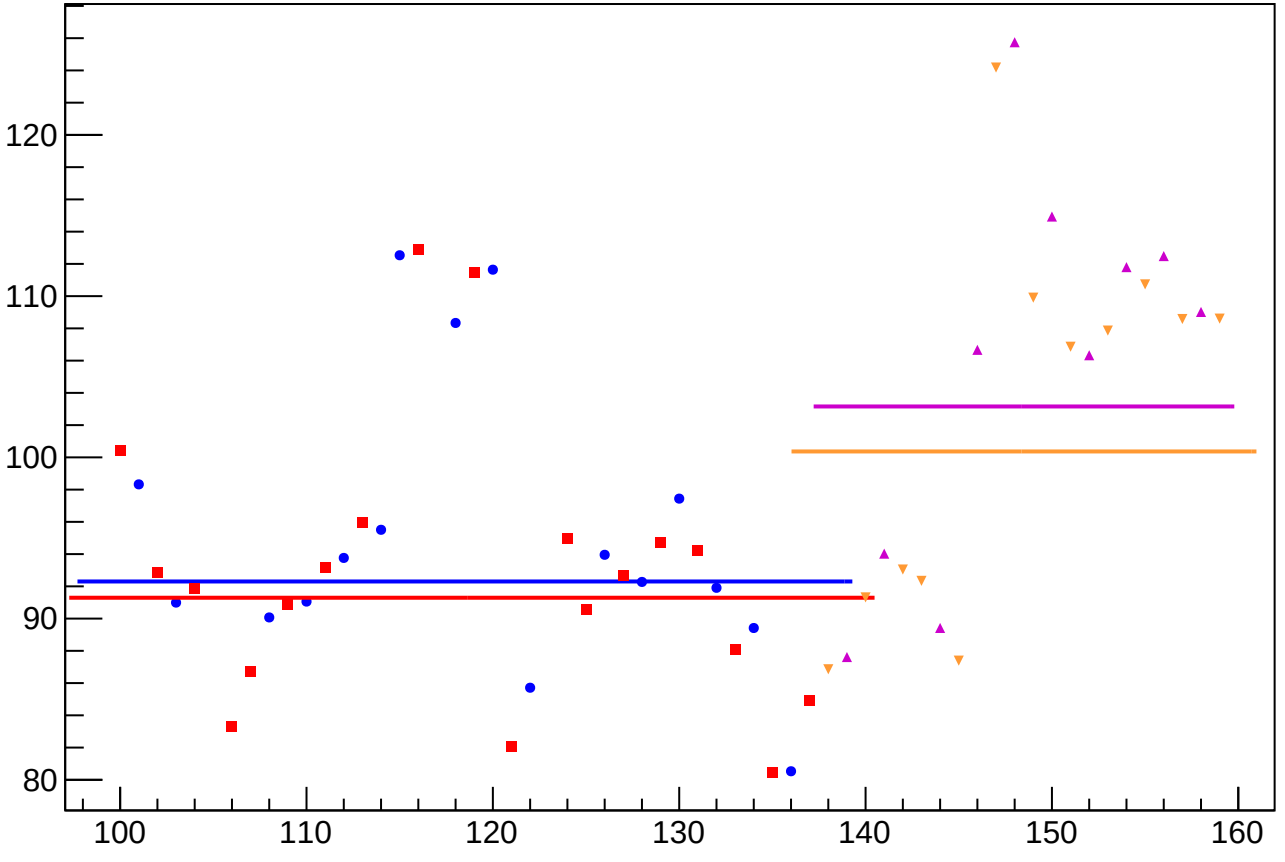
Left In: 149.586+/-35.173 χ^2/NDF:10.5/9

+ sign -61.998+/-23.710 χ^2/NDF: 46.8/27

All: 4.868+/-16.945 χ^2/NDF: 100.0/56

- sign 74.688+/-24.228 χ^2/NDF: 36.9/28

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

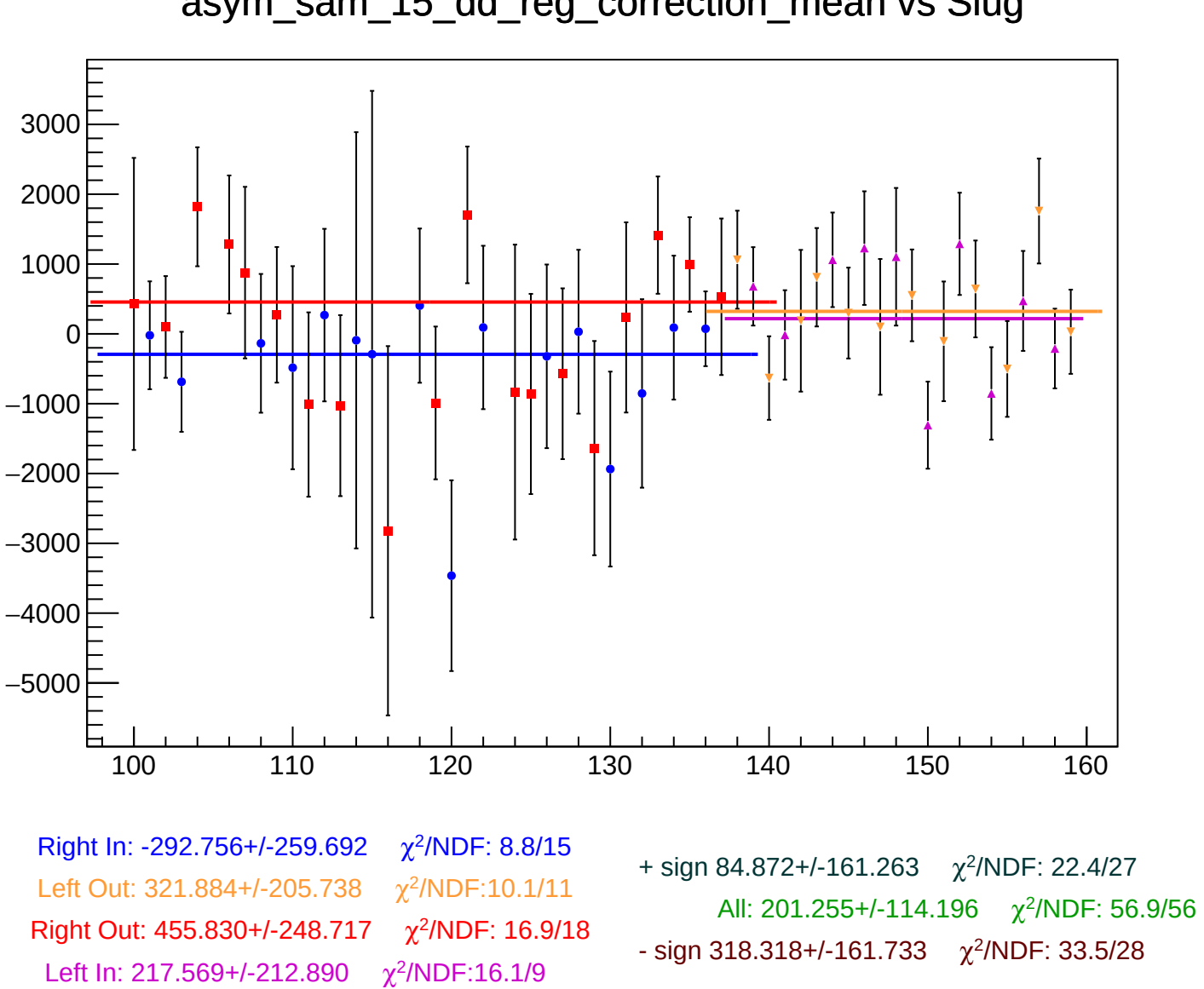
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

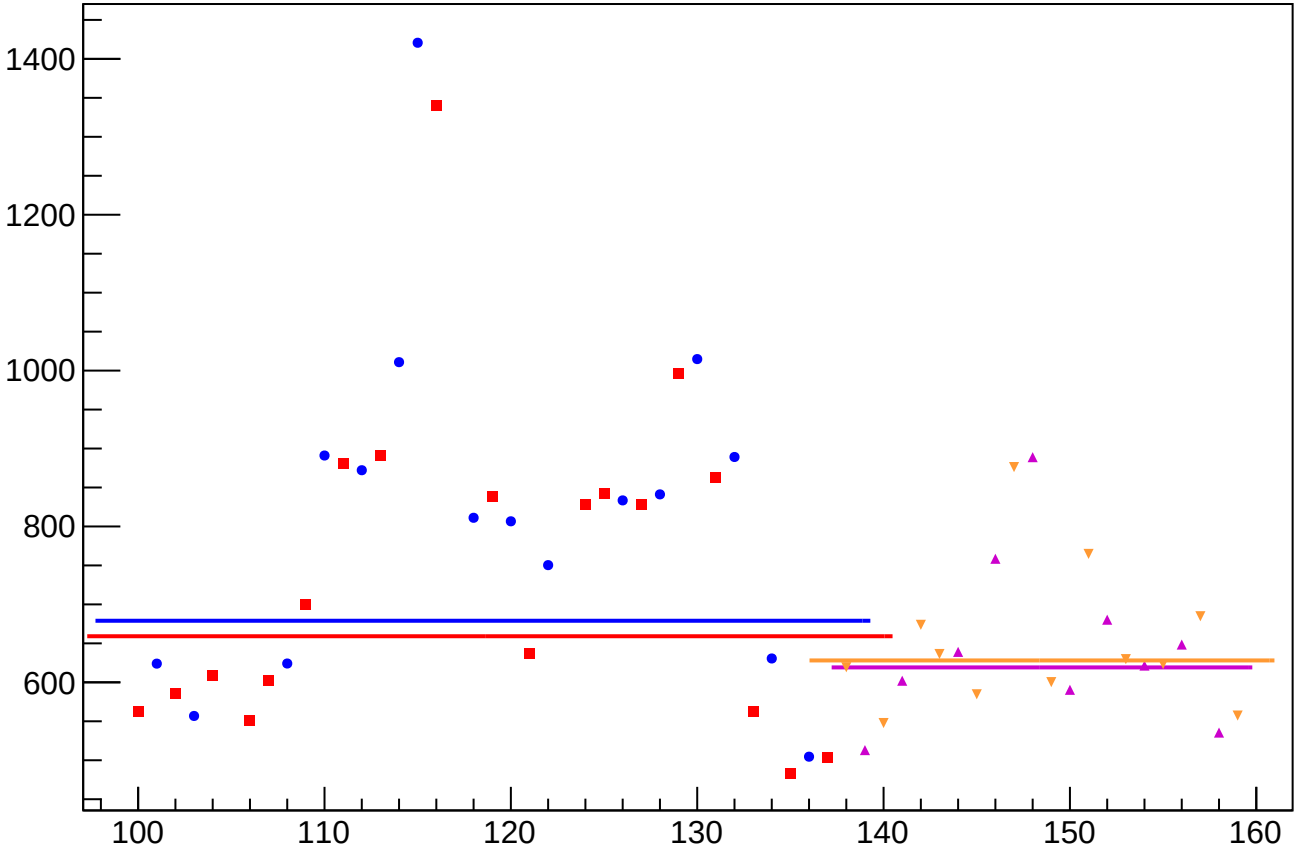
+ sign 96.542+/-0.017 χ^2/NDF: 393906.5/27

All: 96.728+/-0.012 χ^2/NDF: 834552.3/56

- sign 96.922+/-0.017 χ^2/NDF: 440394.2/28


asym_sam_15_dd_reg_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
160
Right In: -292.756+/-259.692 χ²/NDF: 8.8/15
Left Out: 321.884+/-205.738 χ²/NDF:10.1/11
Right Out: 455.830+/-248.717 χ²/NDF: 16.9/18
Left In: 217.569+/-212.890 χ²/NDF:16.1/9
+ sign 84.872+/-161.263 χ²/NDF: 22.4/27
All: 201.255+/-114.196 χ²/NDF: 56.9/56
- sign 318.318+/-161.733 χ²/NDF: 33.5/28

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

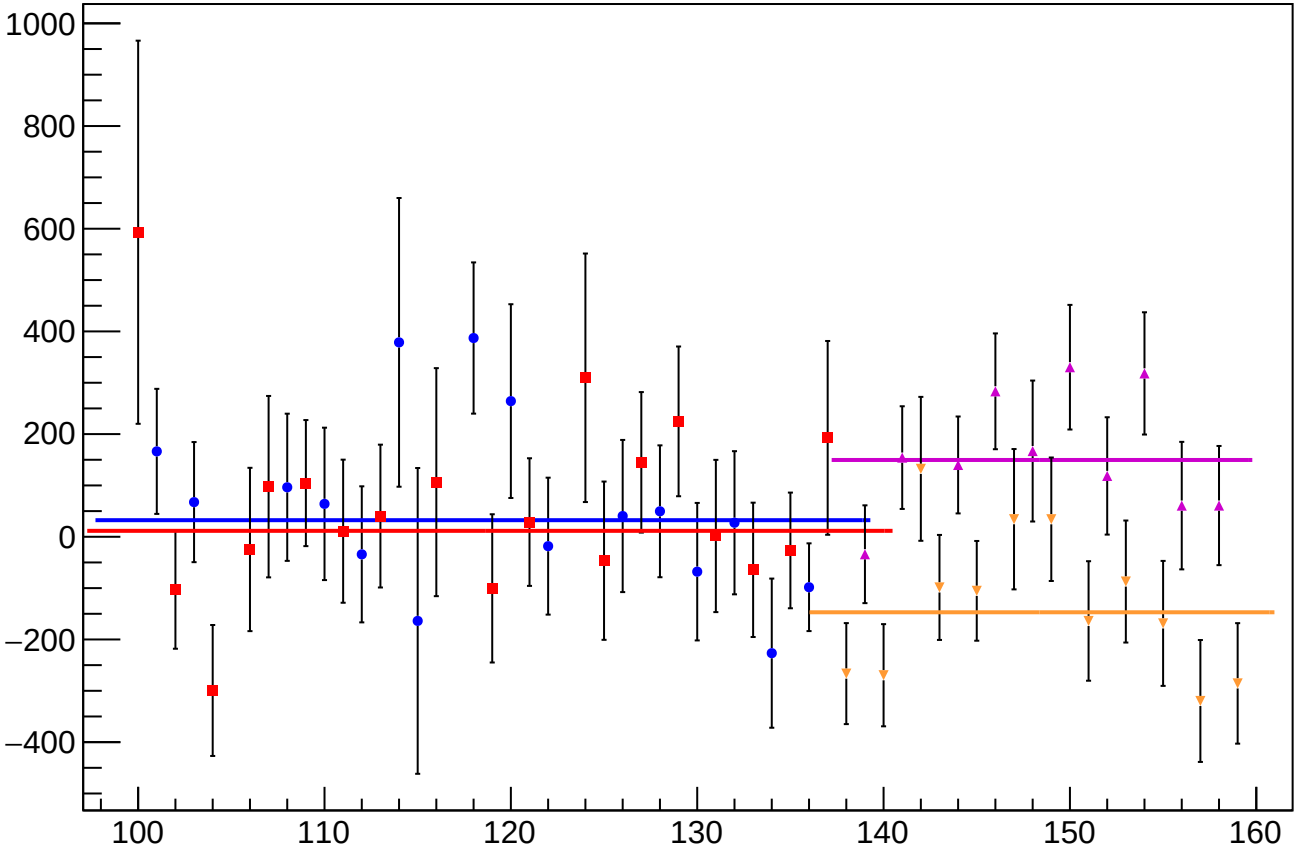
Left In: 619.138+/-0.151 χ^2/NDF:347671.3/9

+ sign 647.720+/-0.114 χ^2/NDF: 1088512.2/27

All: 641.902+/-0.081 χ^2/NDF: 2267130.7/56

- sign 636.050+/-0.114 χ^2/NDF: 1173397.1/28

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

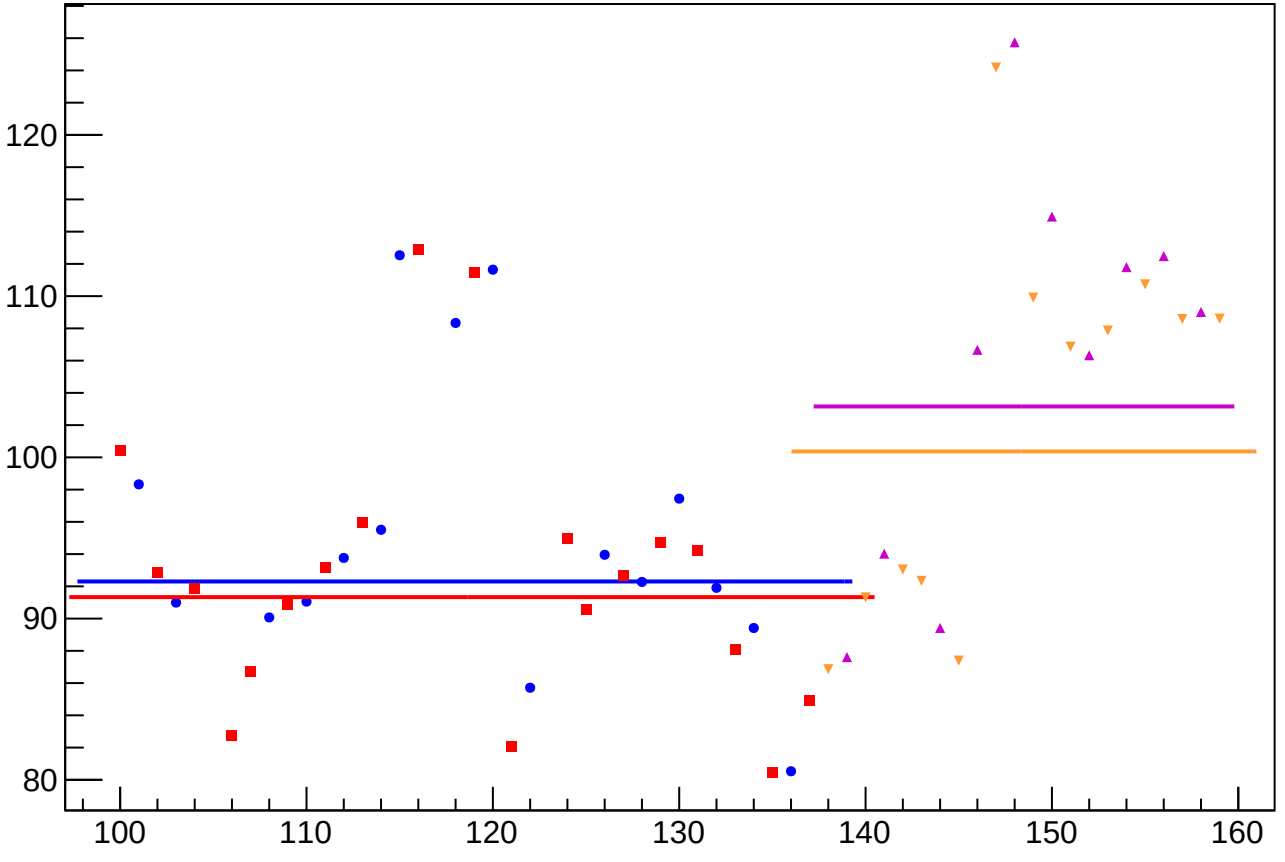
Left In: 149.588+/-35.173 χ^2/NDF:10.5/9

+ sign -61.988+/-23.710 χ^2/NDF: 46.8/27

All: 6.021+/-16.962 χ^2/NDF: 99.5/56

- sign 77.321+/-24.276 χ^2/NDF: 35.8/28

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

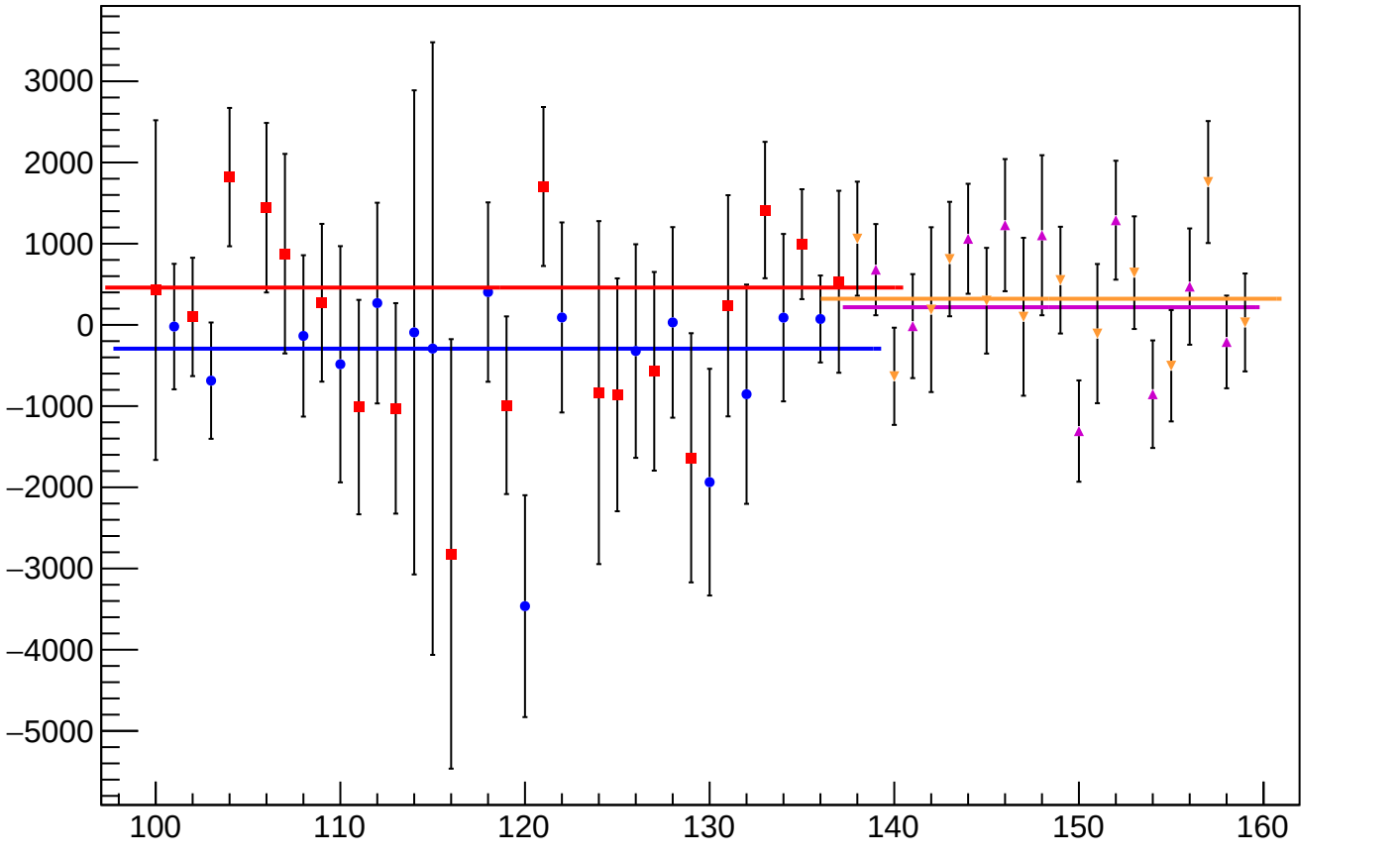
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

+ sign 96.542+/-0.017 χ^2/NDF: 393906.4/27

All: 96.749+/-0.012 χ^2/NDF: 833228.6/56

- sign 96.965+/-0.017 χ^2/NDF: 439011.4/28



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

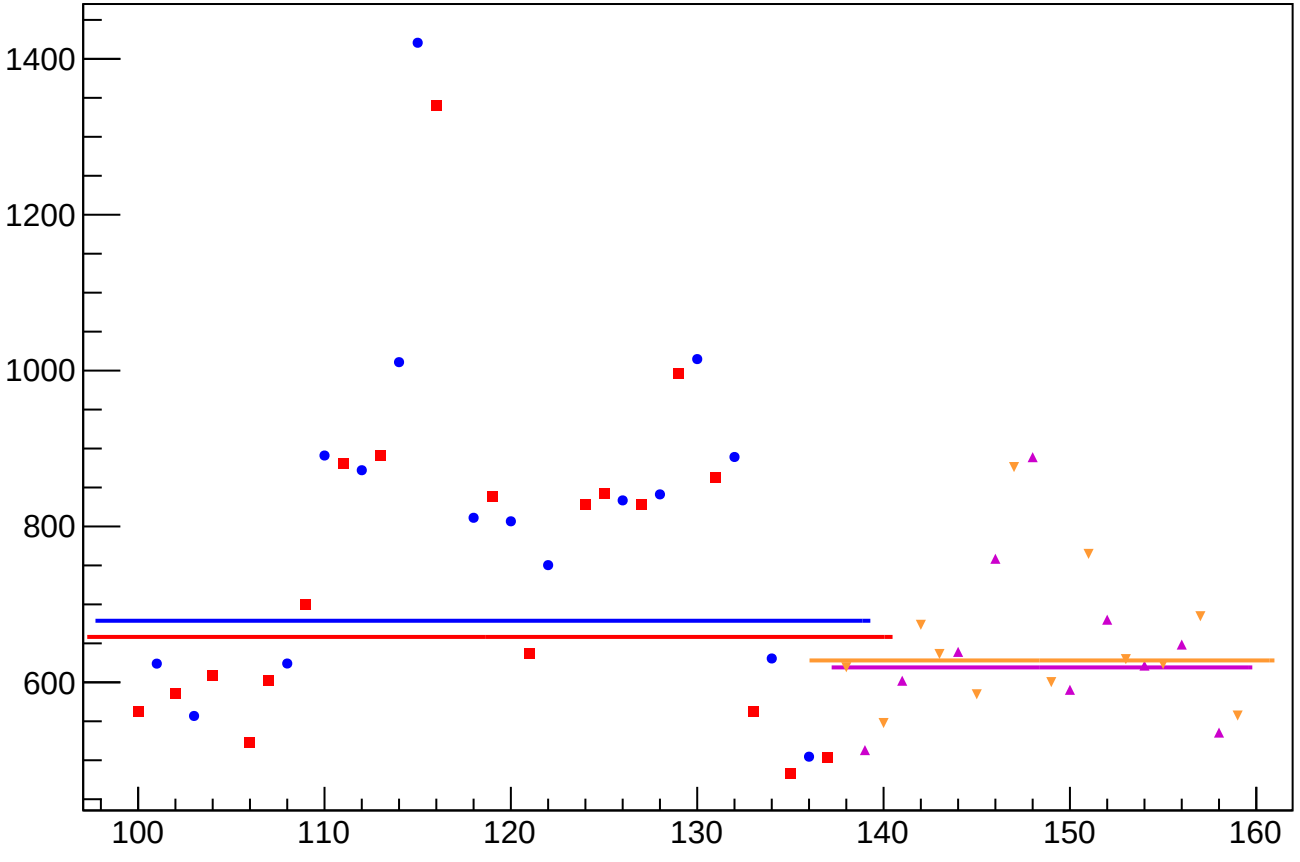
Left In: 217.569+/-212.890 χ^2/NDF:16.1/9

+ sign 84.873+/-161.263 χ^2/NDF: 22.4/27

All: 201.690+/-114.276 χ^2/NDF: 57.2/56

- sign 319.519+/-161.960 χ^2/NDF: 33.7/28

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

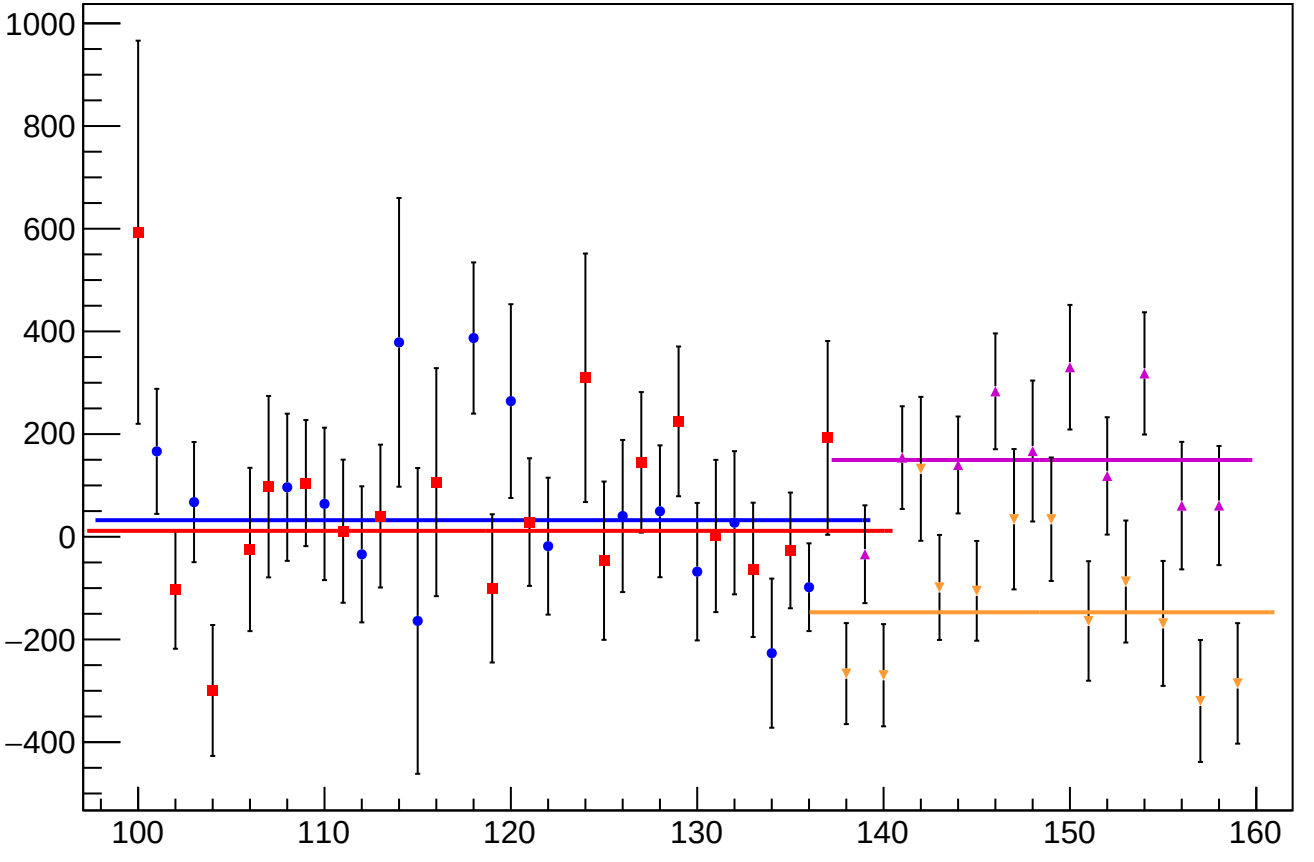
Left In: 619.139+/-0.151 χ^2/NDF:347670.3/9

+ sign 647.720+/-0.114 χ^2/NDF: 1088514.5/27

All: 641.695+/-0.081 χ^2/NDF: 2276141.6/56

- sign 635.619+/-0.115 χ^2/NDF: 1182020.3/28

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

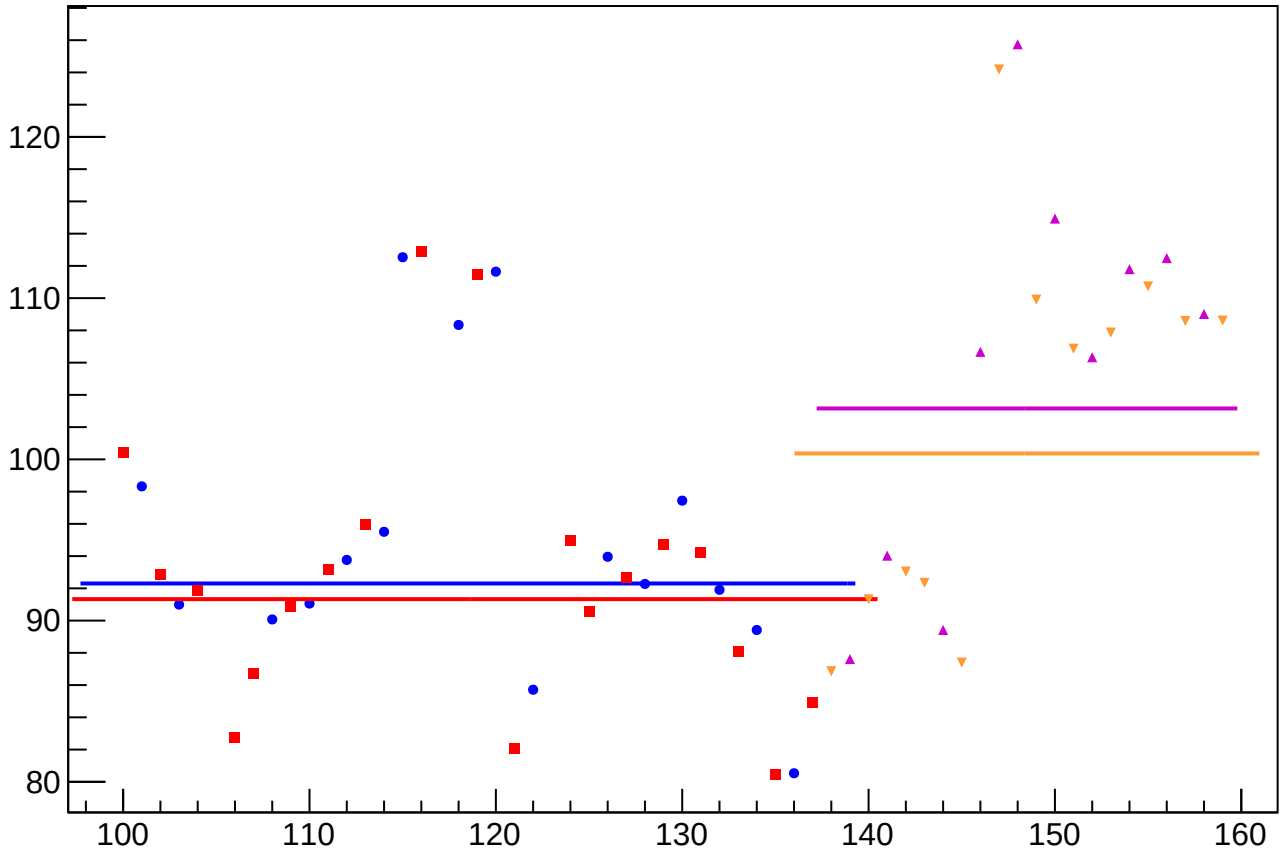
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 149.588+/-35.173 χ^2/NDF:10.5/9

+ sign -61.988+/-23.710 χ^2/NDF: 46.8/27

All: 6.021+/-16.962 χ^2/NDF: 99.5/56

- sign 77.321+/-24.276 χ^2/NDF: 35.8/28



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.367+/-0.023 χ^2/NDF:229150.2/11

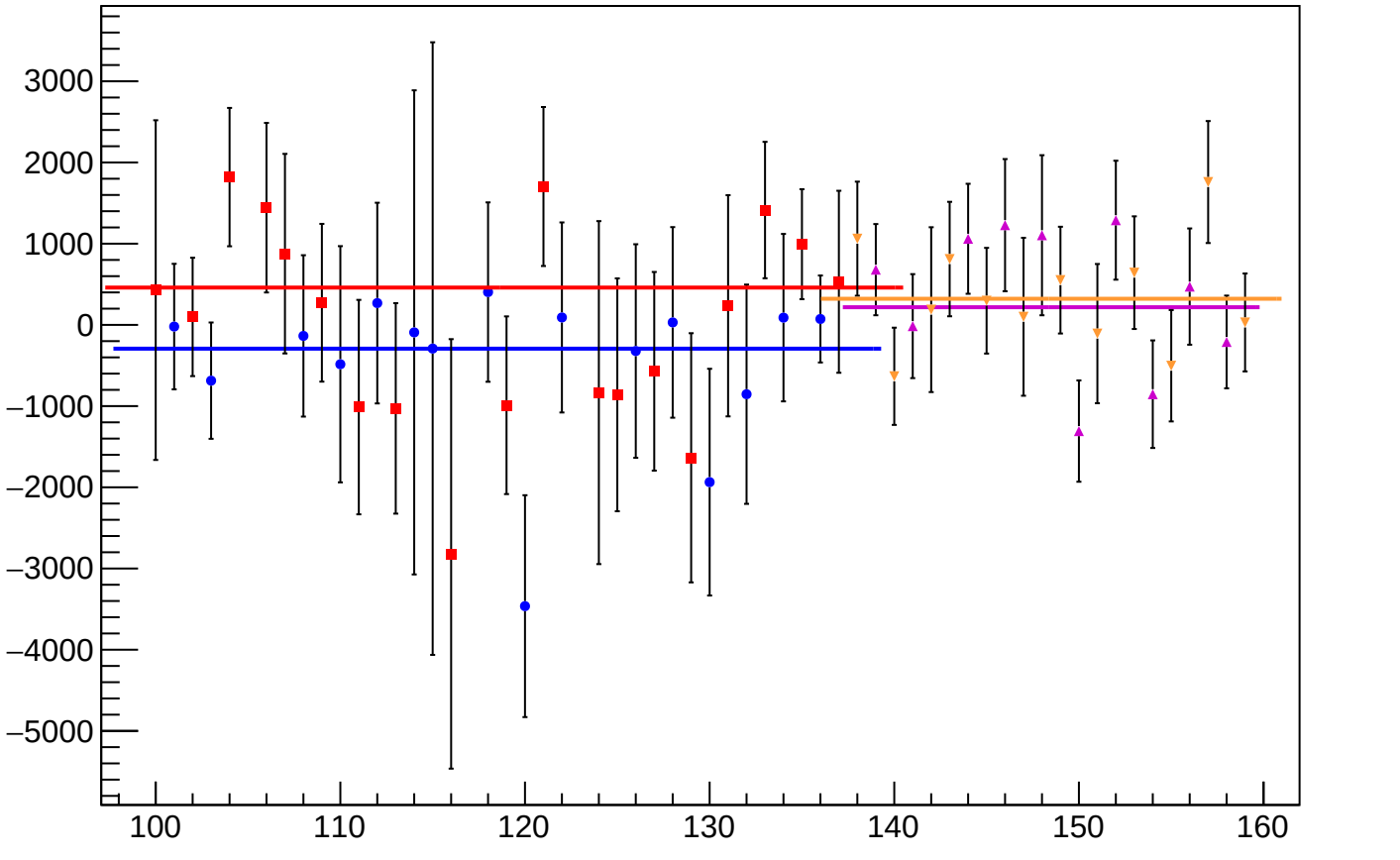
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.157+/-0.025 χ^2/NDF:215721.8/9

+ sign 96.542+/-0.017 χ^2/NDF: 393906.4/27

All: 96.749+/-0.012 χ^2/NDF: 833228.6/56

- sign 96.965+/-0.017 χ^2/NDF: 439011.4/28



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

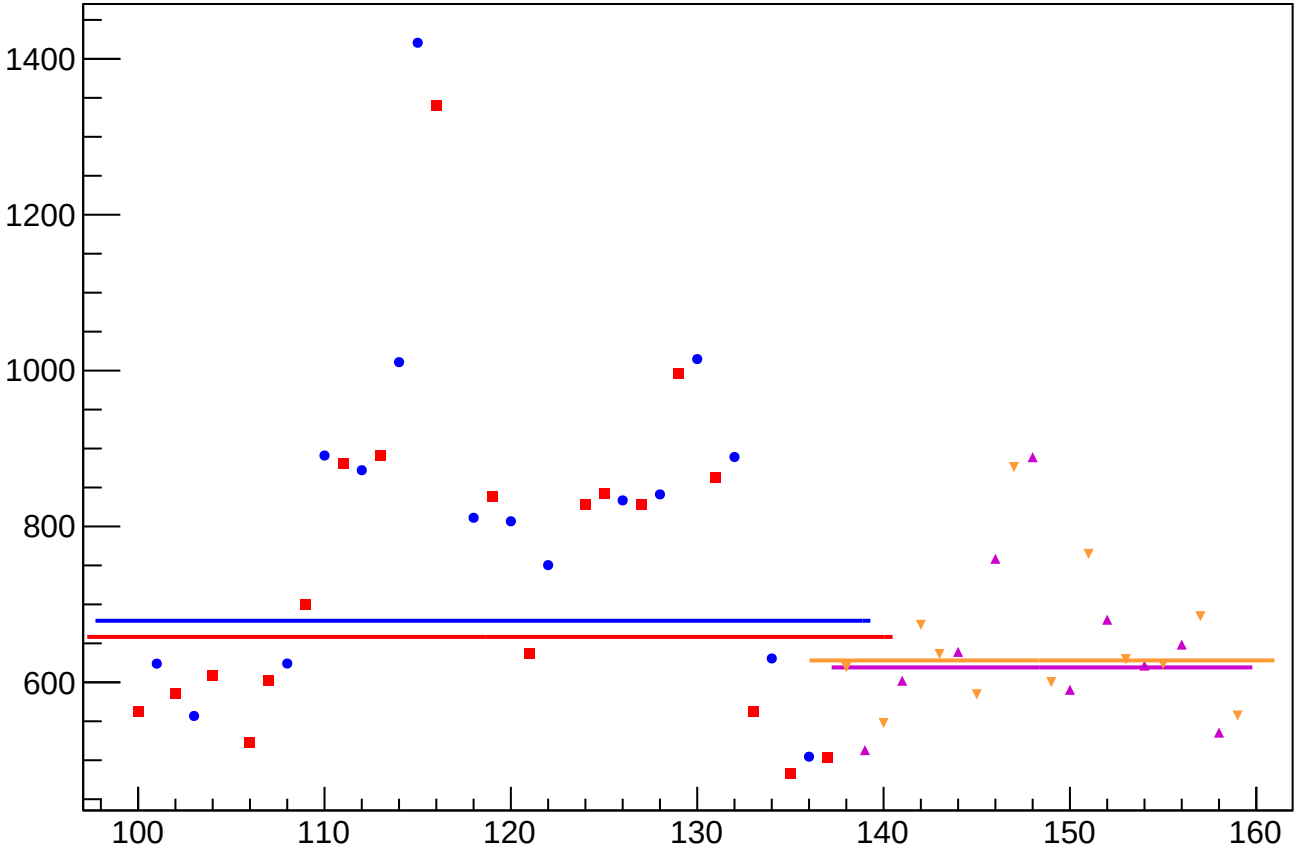
Left In: 217.569+/-212.890 χ^2/NDF:16.1/9

\+ sign 84.873+/-161.263 χ^2/NDF: 22.4/27

All: 201.690+/-114.276 χ^2/NDF: 57.2/56

\- sign 319.519+/-161.960 χ^2/NDF: 33.7/28

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

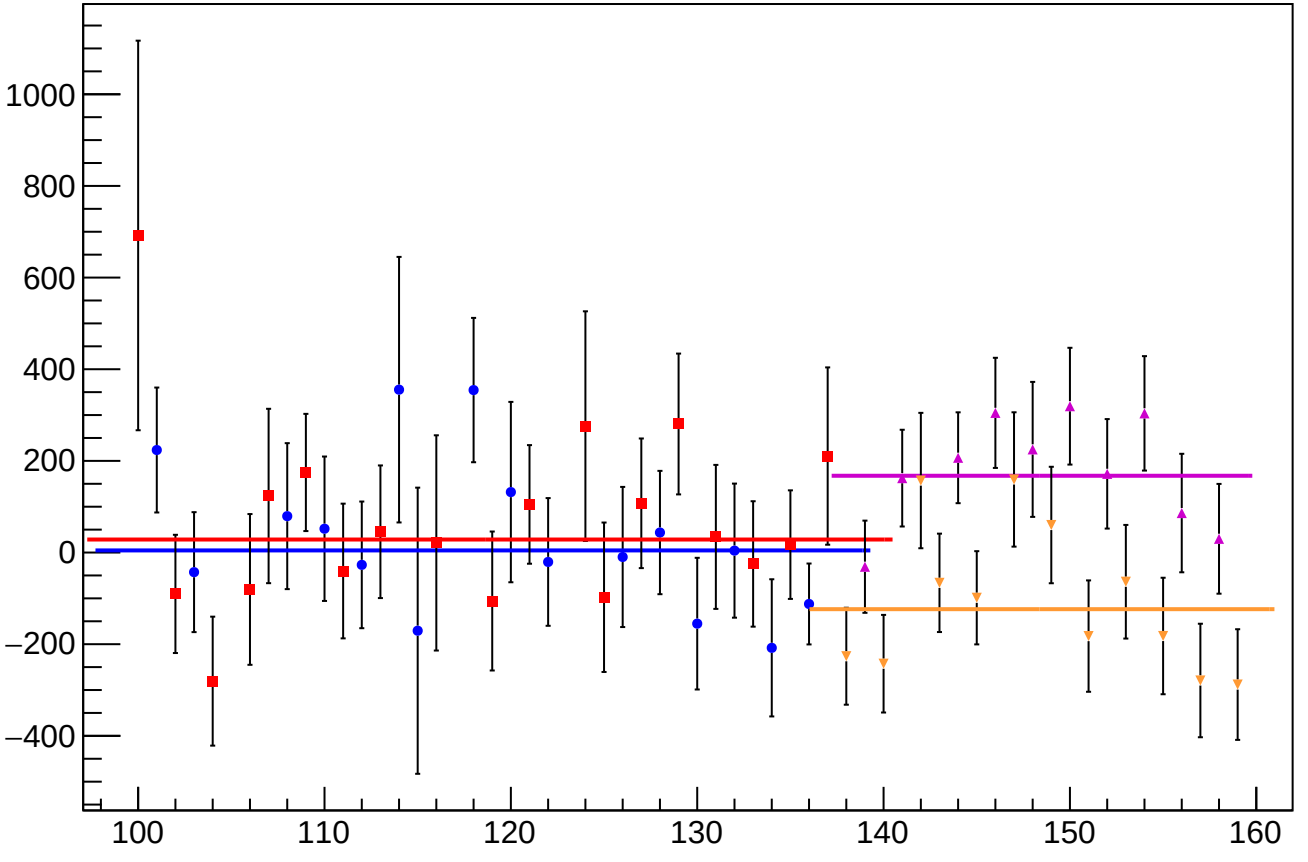
Left In: 619.139+/-0.151 χ^2/NDF:347670.3/9

+ sign 647.720+/-0.114 χ^2/NDF: 1088514.5/27

All: 641.695+/-0.081 χ^2/NDF: 2276141.6/56

- sign 635.619+/-0.115 χ^2/NDF: 1182020.3/28

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

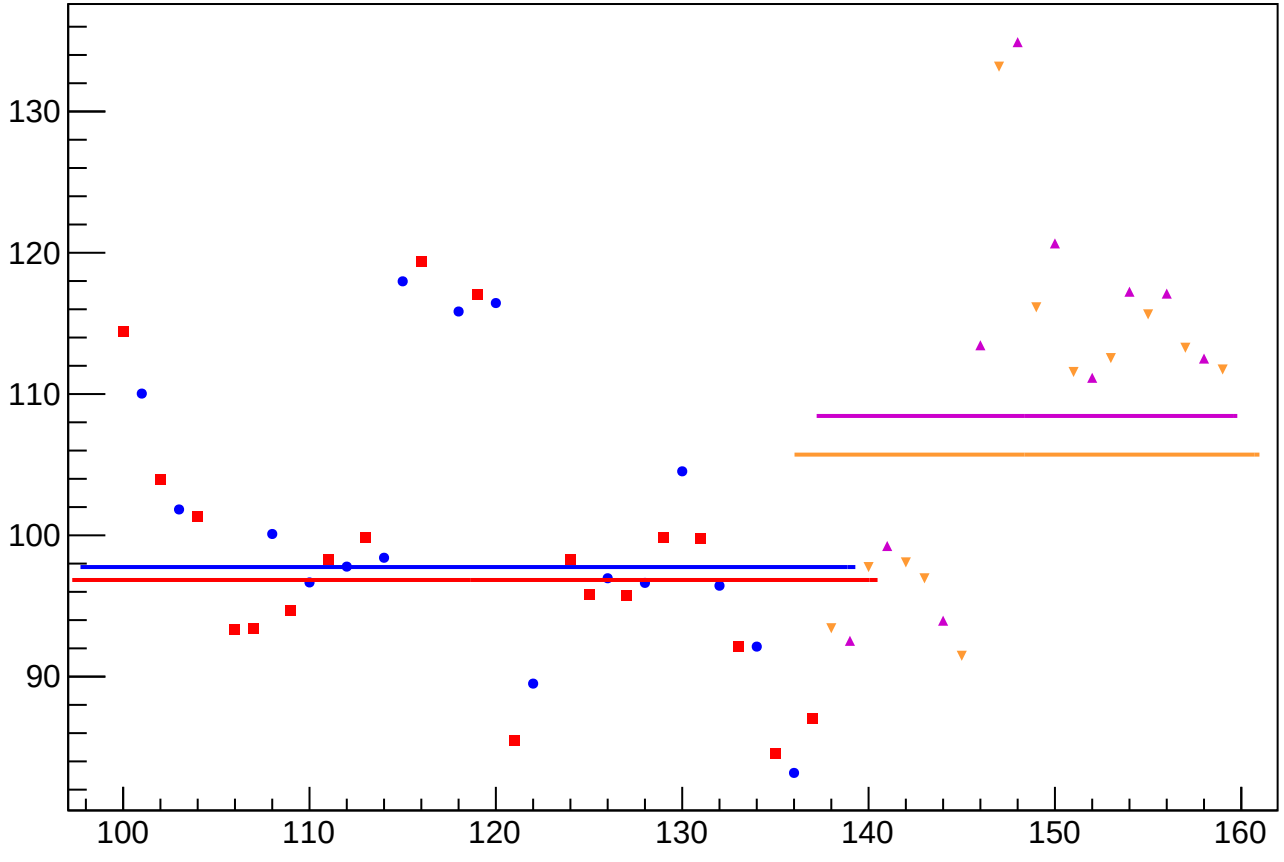
Left In: 167.539+/-36.985 χ^2/NDF:9.8/9

+ sign -63.240+/-25.048 χ^2/NDF: 38.0/27

All: 14.187+/-17.903 χ^2/NDF: 91.8/56

- sign 95.054+/-25.598 χ^2/NDF: 34.3/28

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

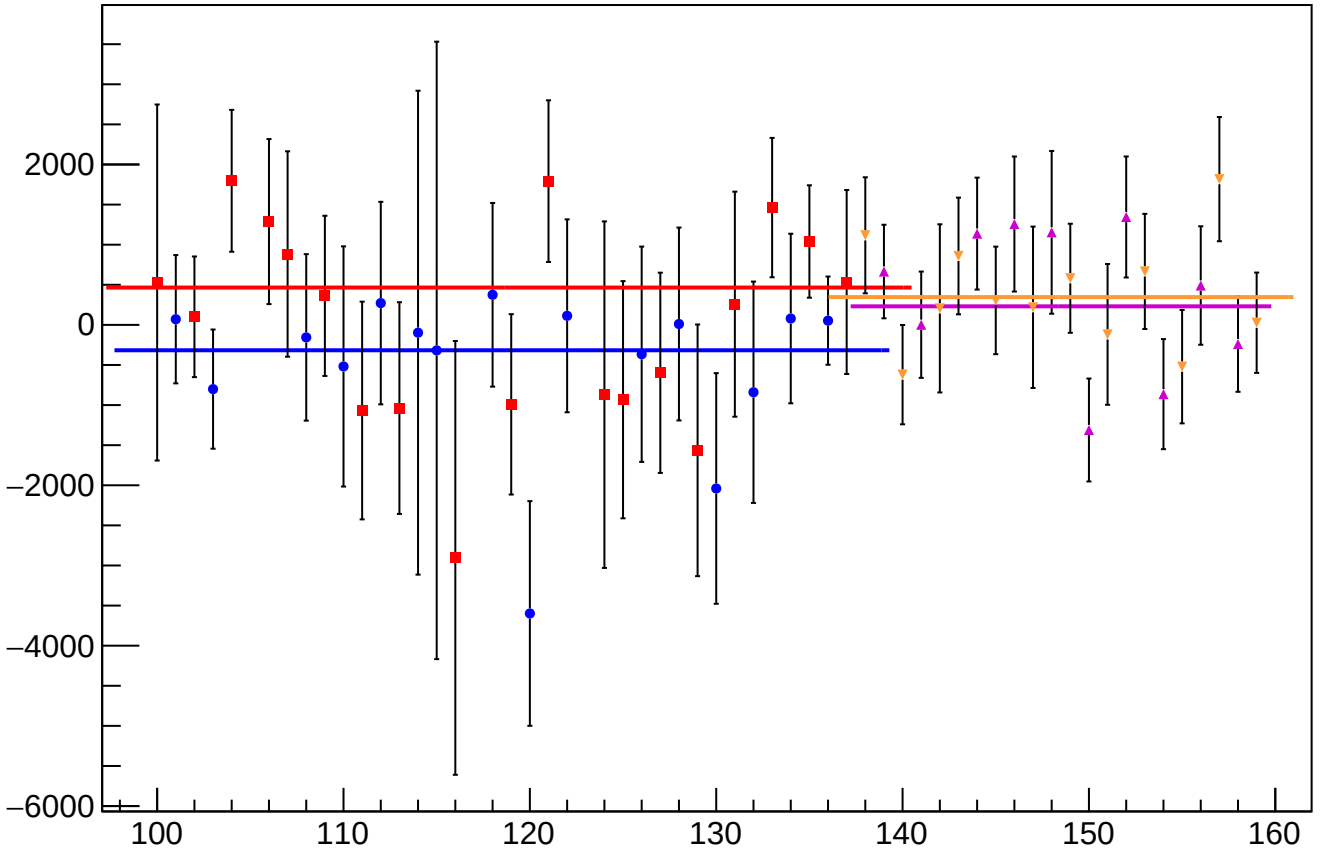
Left In: 108.450+/-0.026 χ^2/NDF:216613.2/9

+ sign 101.968+/-0.018 χ^2/NDF: 405934.9/27

All: 102.180+/-0.013 χ^2/NDF: 840687.0/56

- sign 102.401+/-0.018 χ^2/NDF: 434459.4/28

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

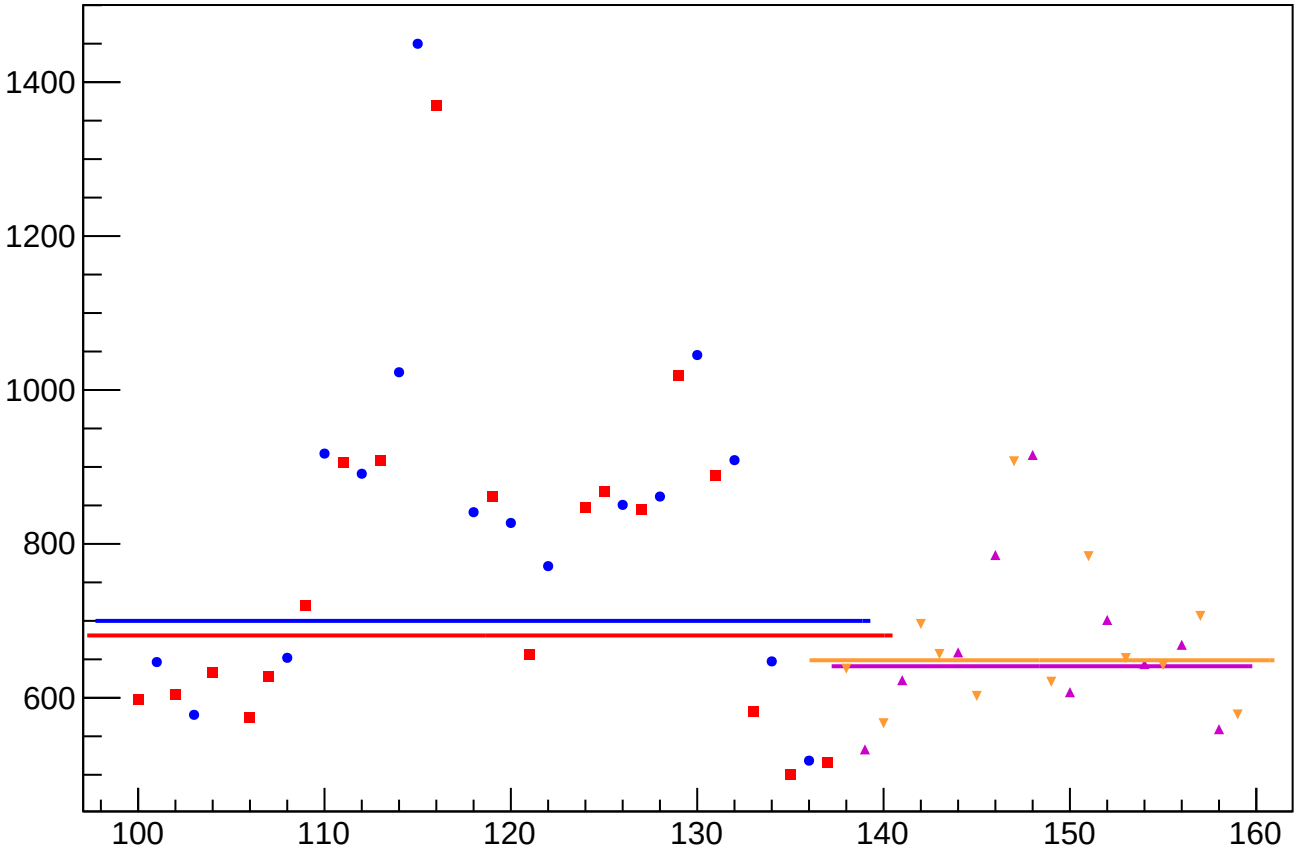
Left In: 231.428+/-220.268 χ^2/NDF:15.9/9

\+ sign 90.020+/-166.365 χ^2/NDF: 23.0/27

All: 209.818+/-117.914 χ^2/NDF: 56.9/56

\- sign 330.745+/-167.148 χ^2/NDF: 32.9/28

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

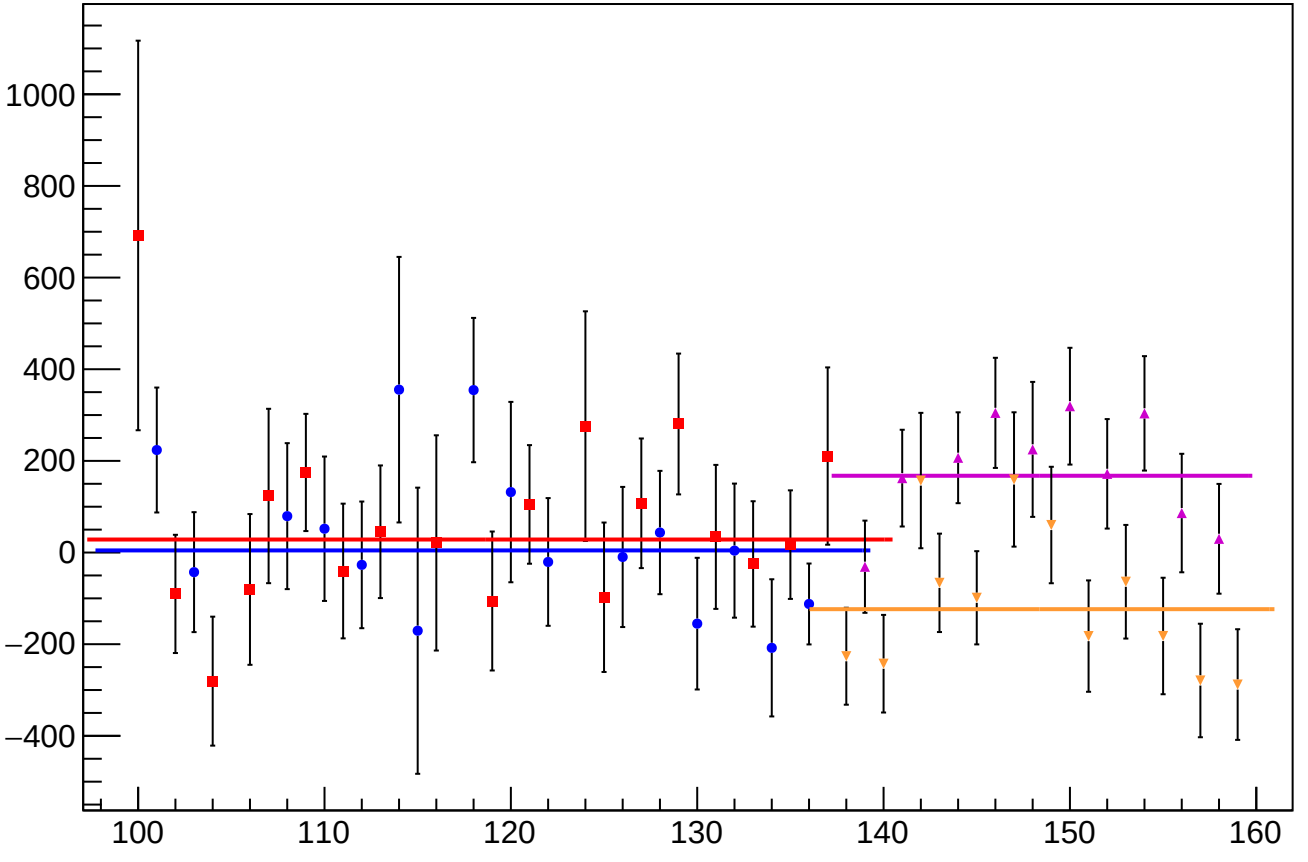
Left In: 641.035+/-0.156 χ^2/NDF:335655.0/9

+ sign 668.600+/-0.118 χ^2/NDF: 1067257.2/27

All: 663.321+/-0.083 χ^2/NDF: 2204304.9/56

- sign 657.993+/-0.118 χ^2/NDF: 1133002.4/28

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

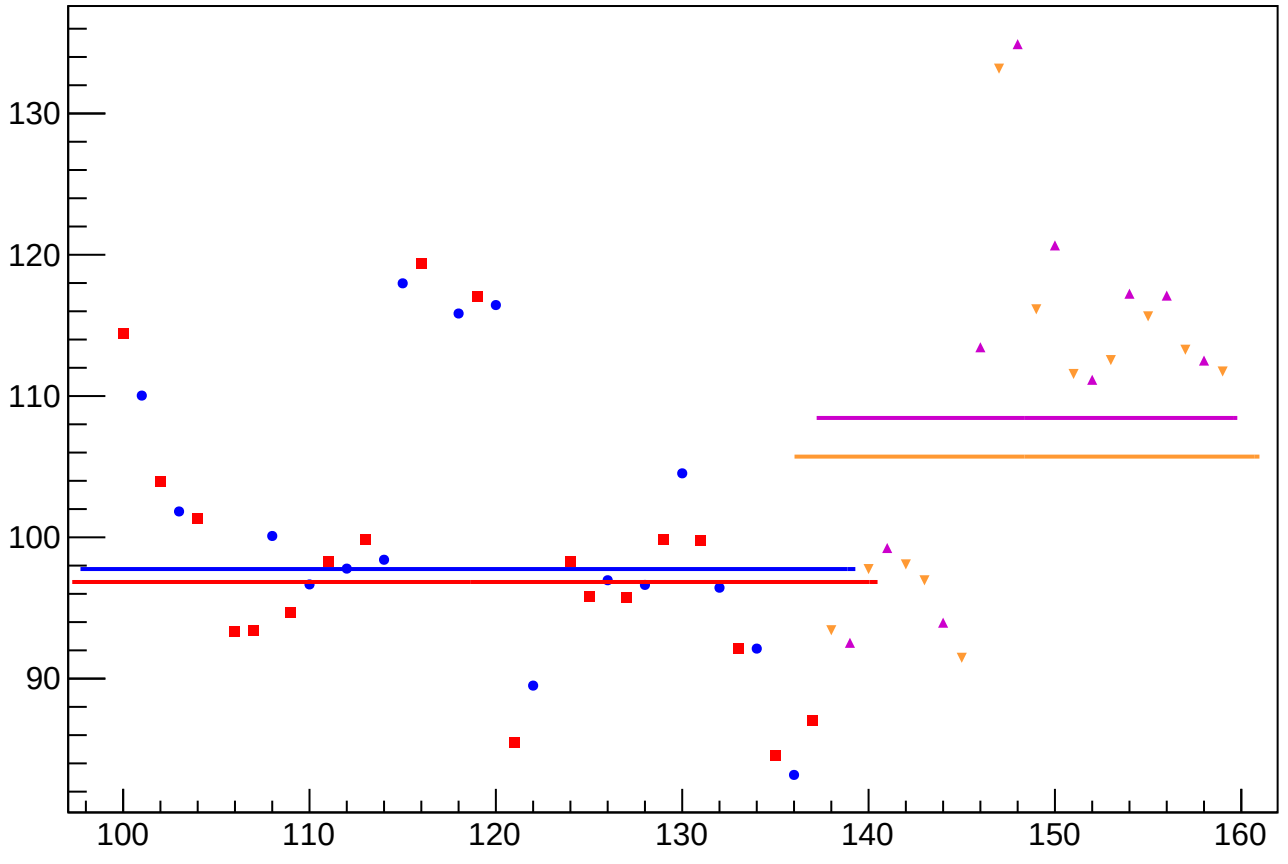
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 167.539+/-36.985 χ^2/NDF:9.8/9

+ sign -63.239+/-25.048 χ^2/NDF: 38.0/27

All: 14.188+/-17.903 χ^2/NDF: 91.8/56

- sign 95.054+/-25.598 χ^2/NDF: 34.3/28



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 105.714+/-0.024 χ^2/NDF:214989.6/11

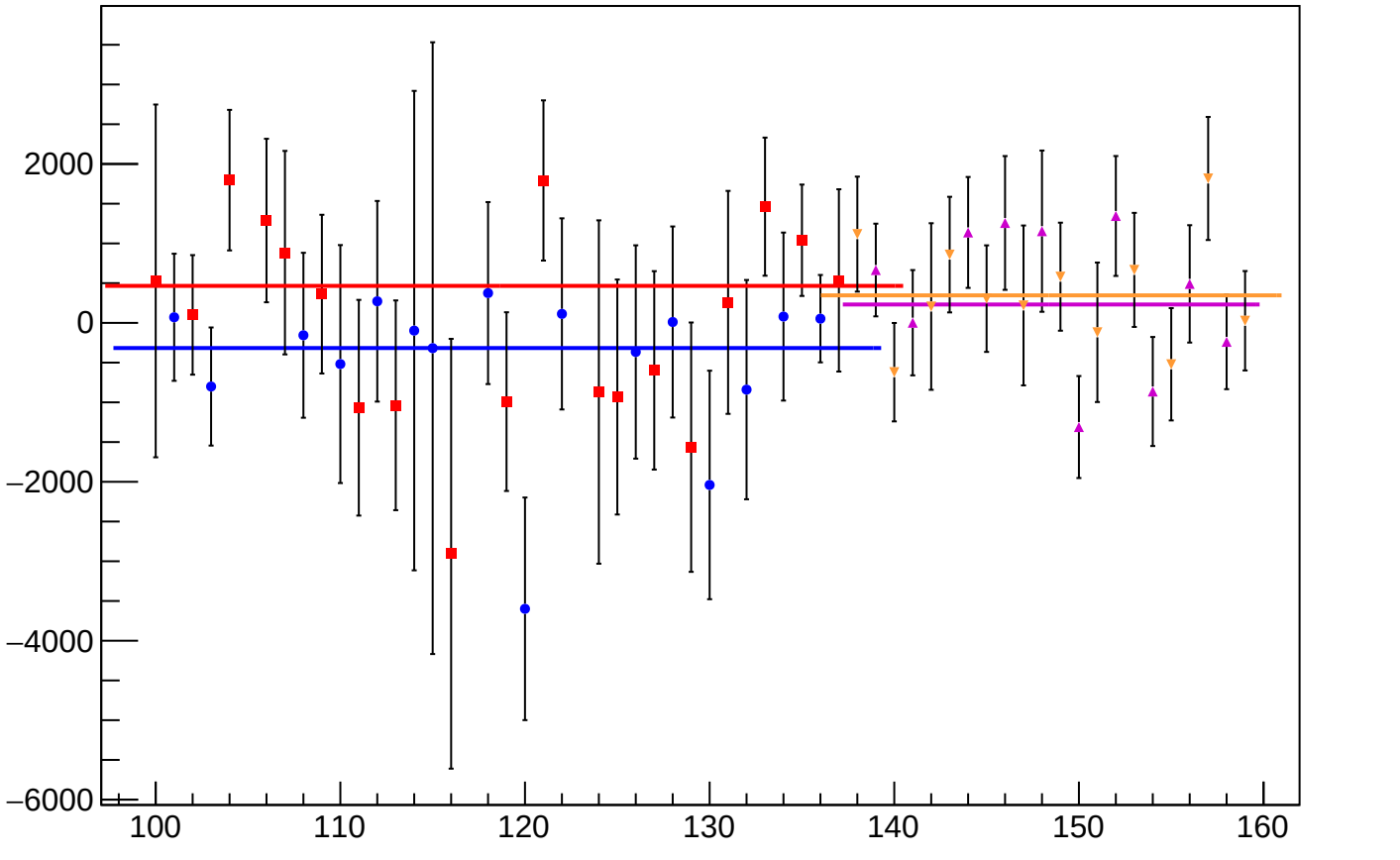
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 108.450+/-0.026 χ^2/NDF:216612.6/9

+ sign 101.968+/-0.018 χ^2/NDF: 405941.0/27

All: 102.180+/-0.013 χ^2/NDF: 840703.3/56

- sign 102.401+/-0.018 χ^2/NDF: 434469.6/28



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 346.437+/-212.443 χ^2/NDF:10.1/11

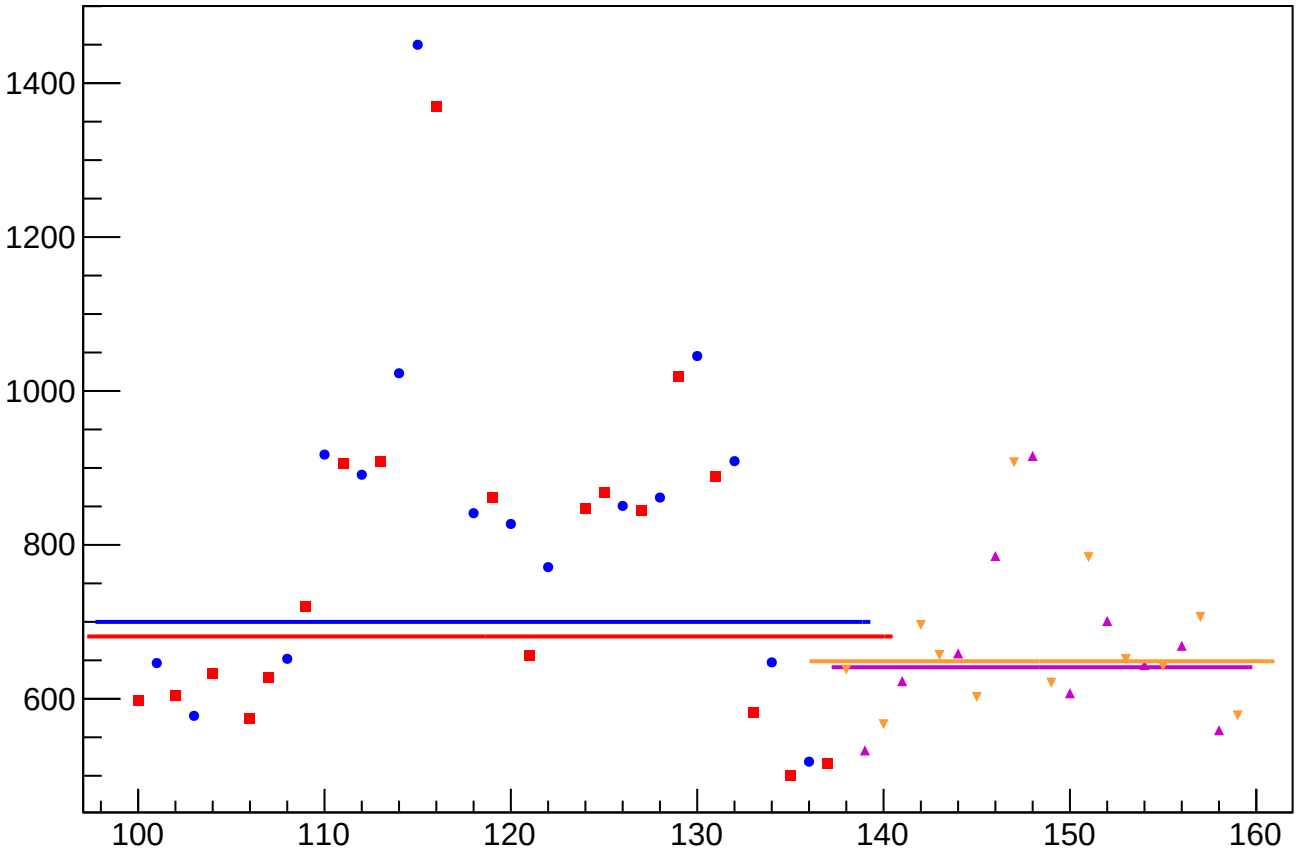
Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: 231.429+/-220.268 χ^2/NDF:15.9/9

+ sign 90.020+/-166.365 χ^2/NDF: 23.0/27

All: 209.818+/-117.914 χ^2/NDF: 56.9/56

- sign 330.746+/-167.148 χ^2/NDF: 32.9/28



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

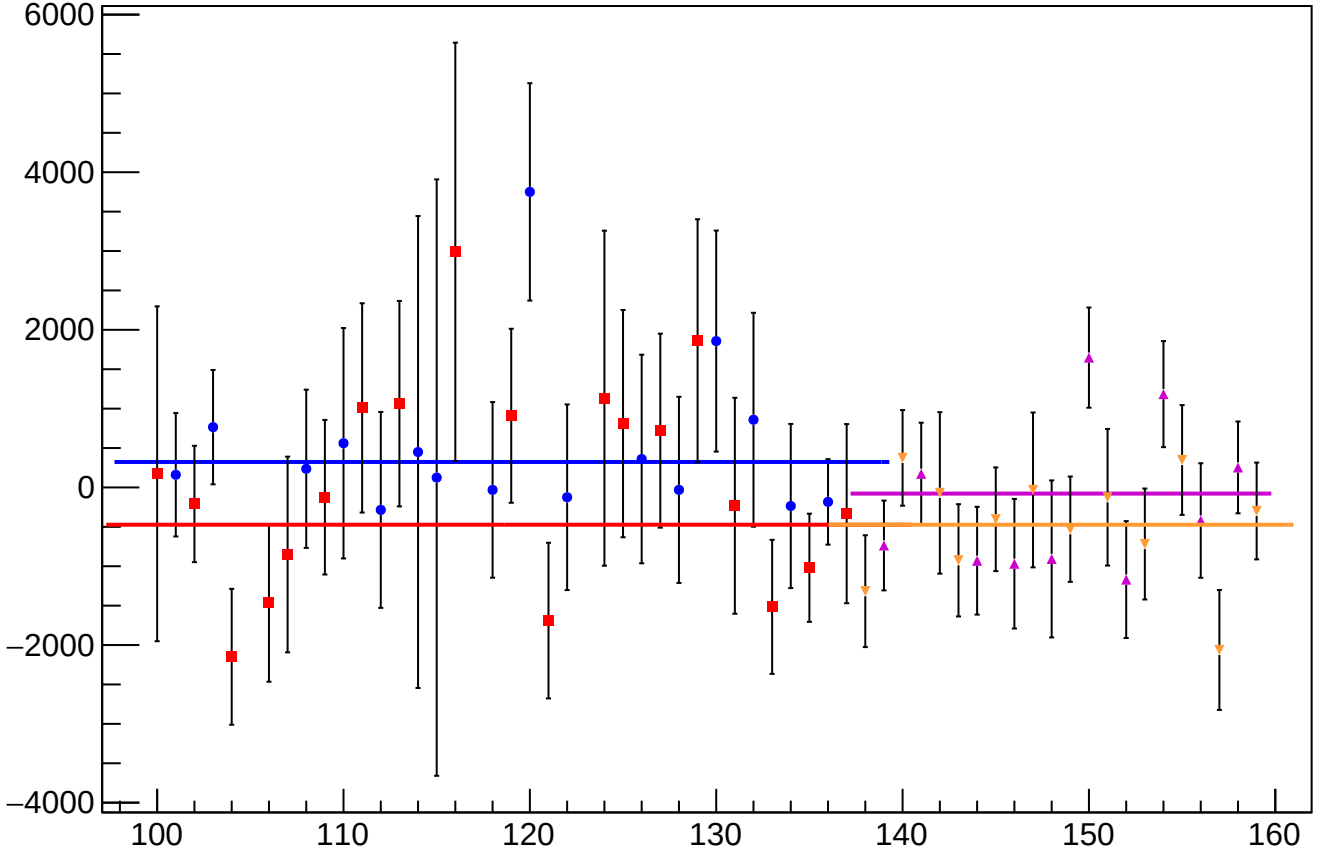
Left In: 641.036+/-0.156 χ^2/NDF:335656.6/9

+ sign 668.600+/-0.118 χ^2/NDF: 1067256.8/27

All: 663.321+/-0.083 χ^2/NDF: 2204306.0/56

- sign 657.993+/-0.118 χ^2/NDF: 1133003.8/28

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

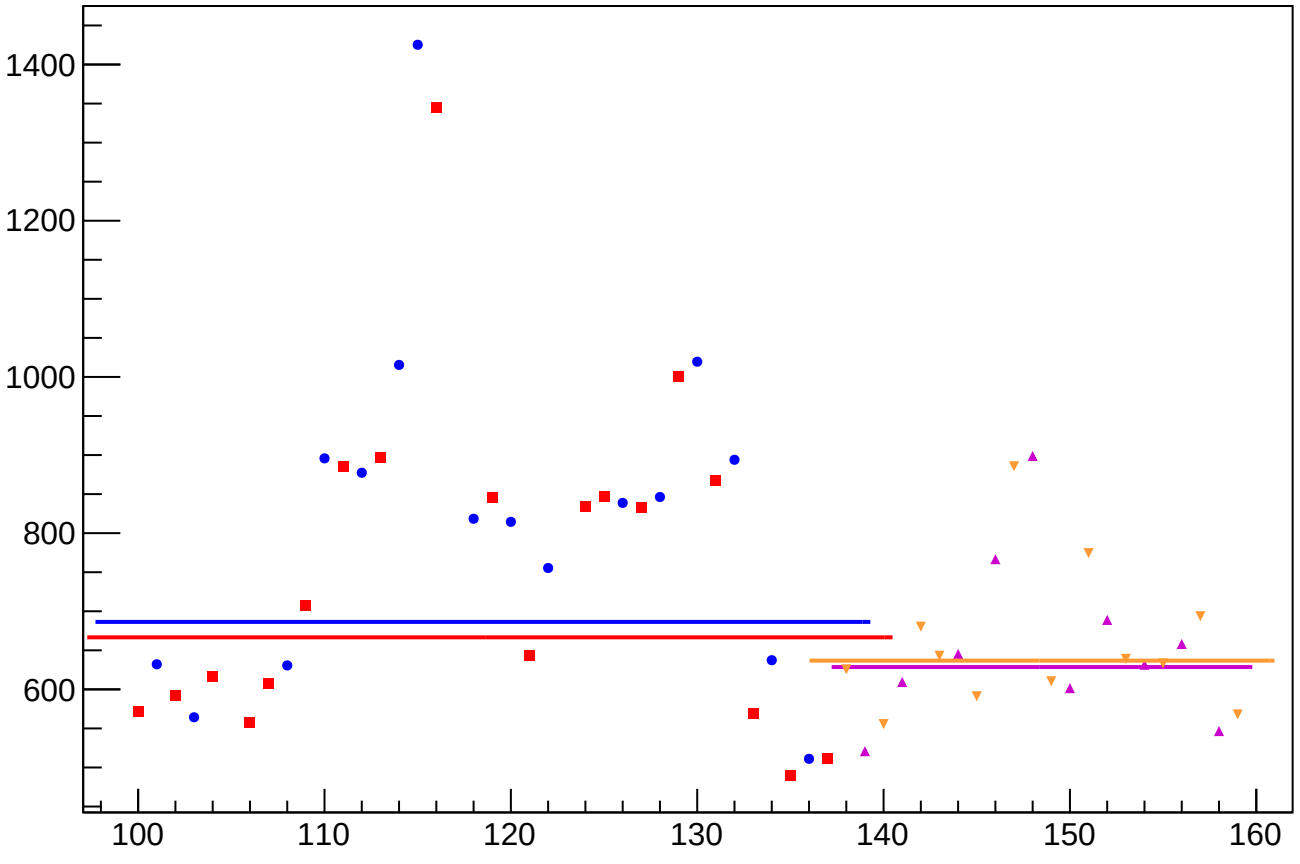
Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -77.947+/-216.038 χ^2/NDF:18.5/9

\+ sign -165.015+/-163.236 χ^2/NDF: 25.6/27

All: -205.315+/-115.635 χ^2/NDF: 65.1/56

\- sign -245.910+/-163.831 χ^2/NDF: 39.3/28



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 636.799+/-0.147 χ^2/NDF:267855.4/11

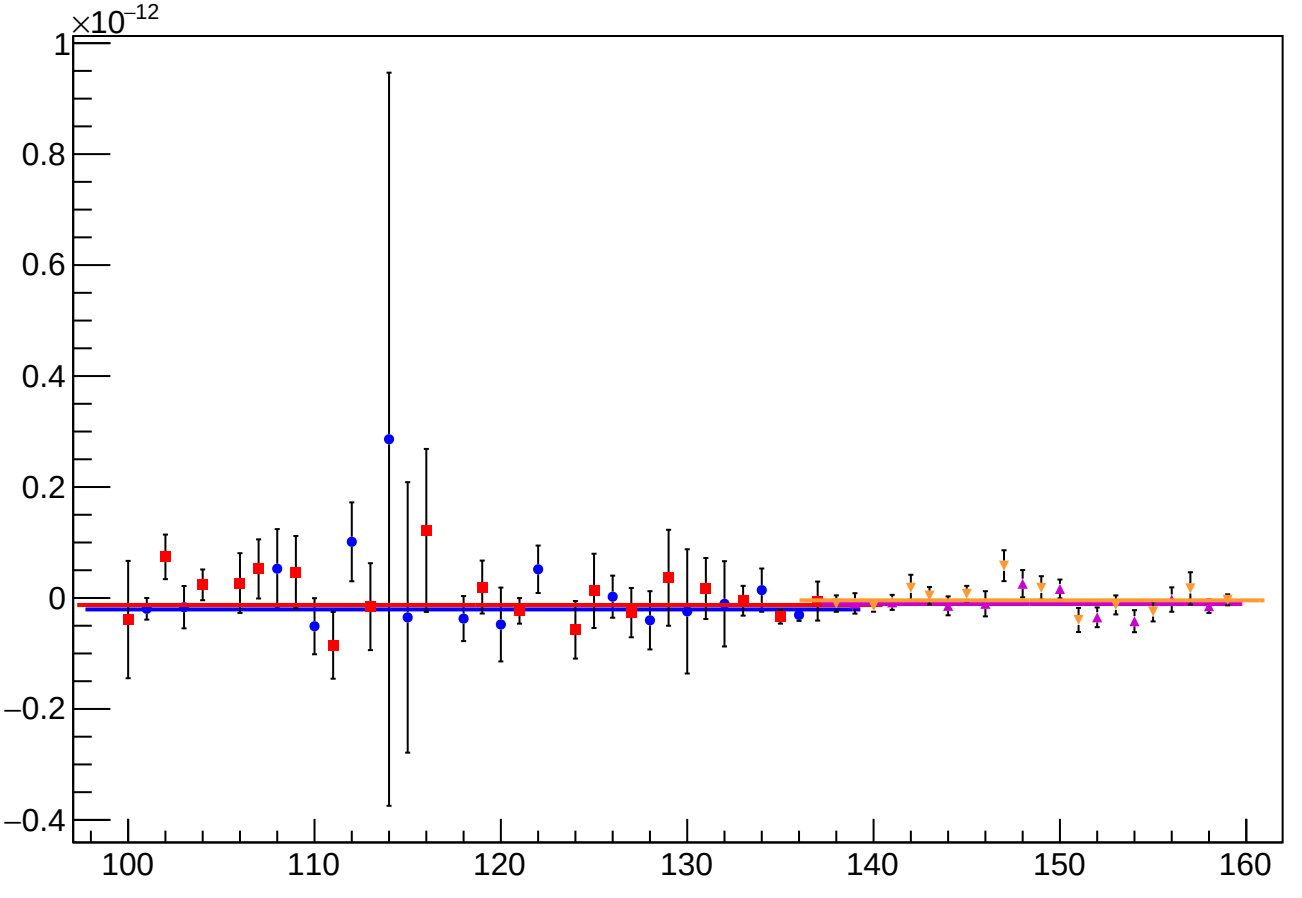
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 628.588+/-0.153 χ^2/NDF:337908.4/9

+ sign 656.002+/-0.115 χ^2/NDF: 1061115.2/27

All: 650.399+/-0.082 χ^2/NDF: 2207145.5/56

- sign 644.754+/-0.116 χ^2/NDF: 1141299.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/11

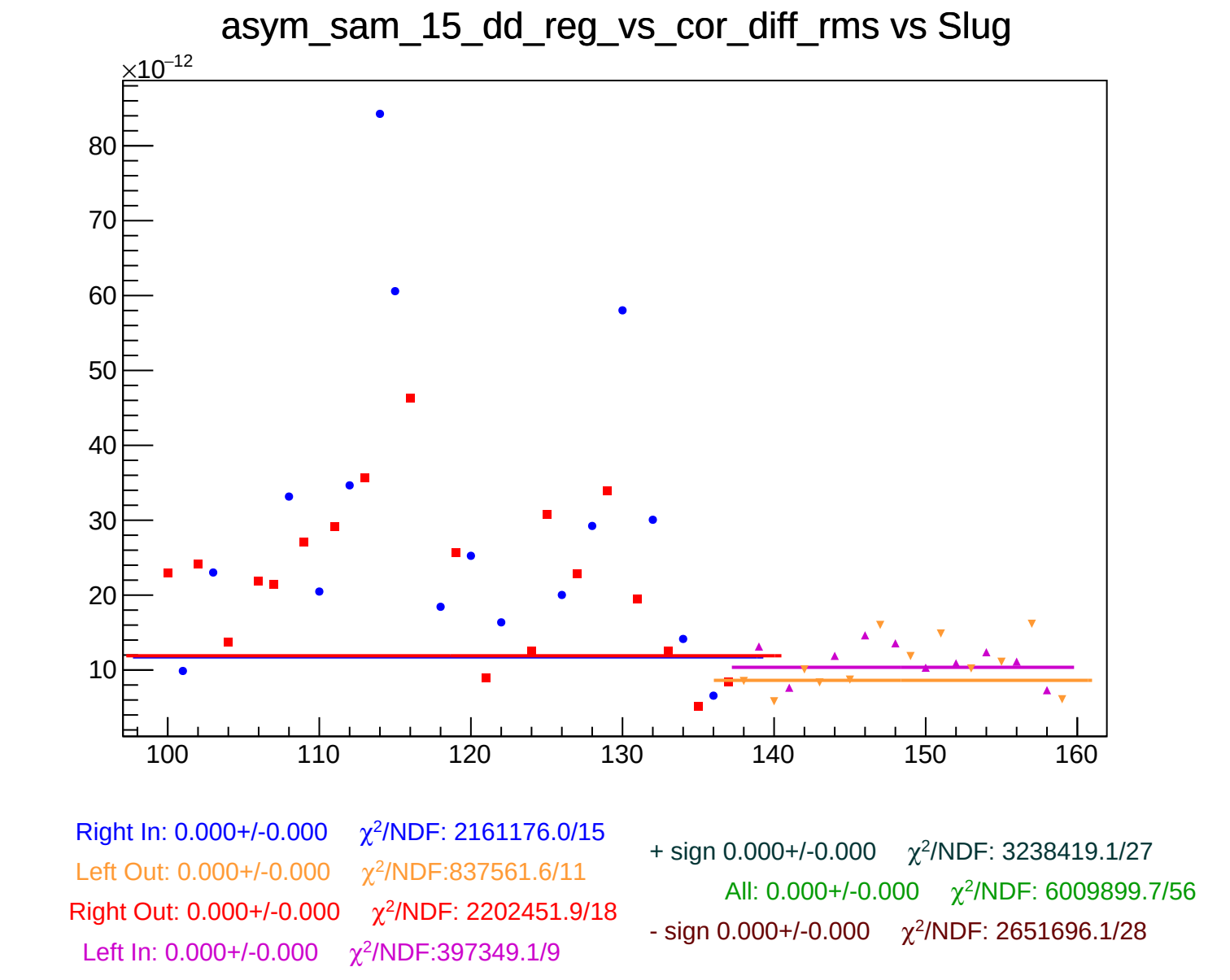
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/9

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/27

All: -0.000+/-0.000 χ^2/NDF: 54.0/56

- sign -0.000+/-0.000 χ^2/NDF: 26.5/28


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
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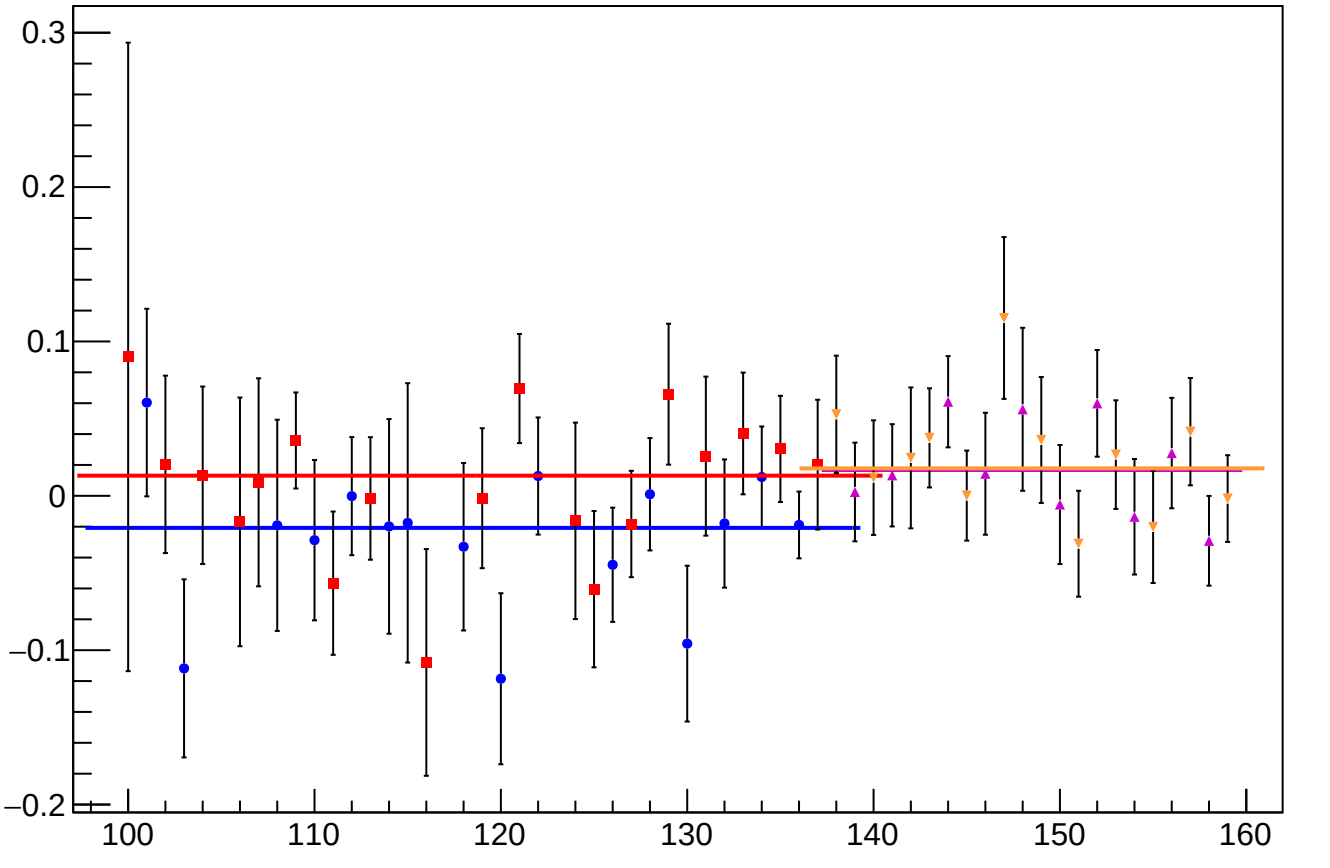
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:837561.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:397349.1/9
+ sign 0.000+/-0.000 χ²/NDF: 3238419.1/27
All: 0.000+/-0.000 χ²/NDF: 6009899.7/56
- sign 0.000+/-0.000 χ²/NDF: 2651696.1/28



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

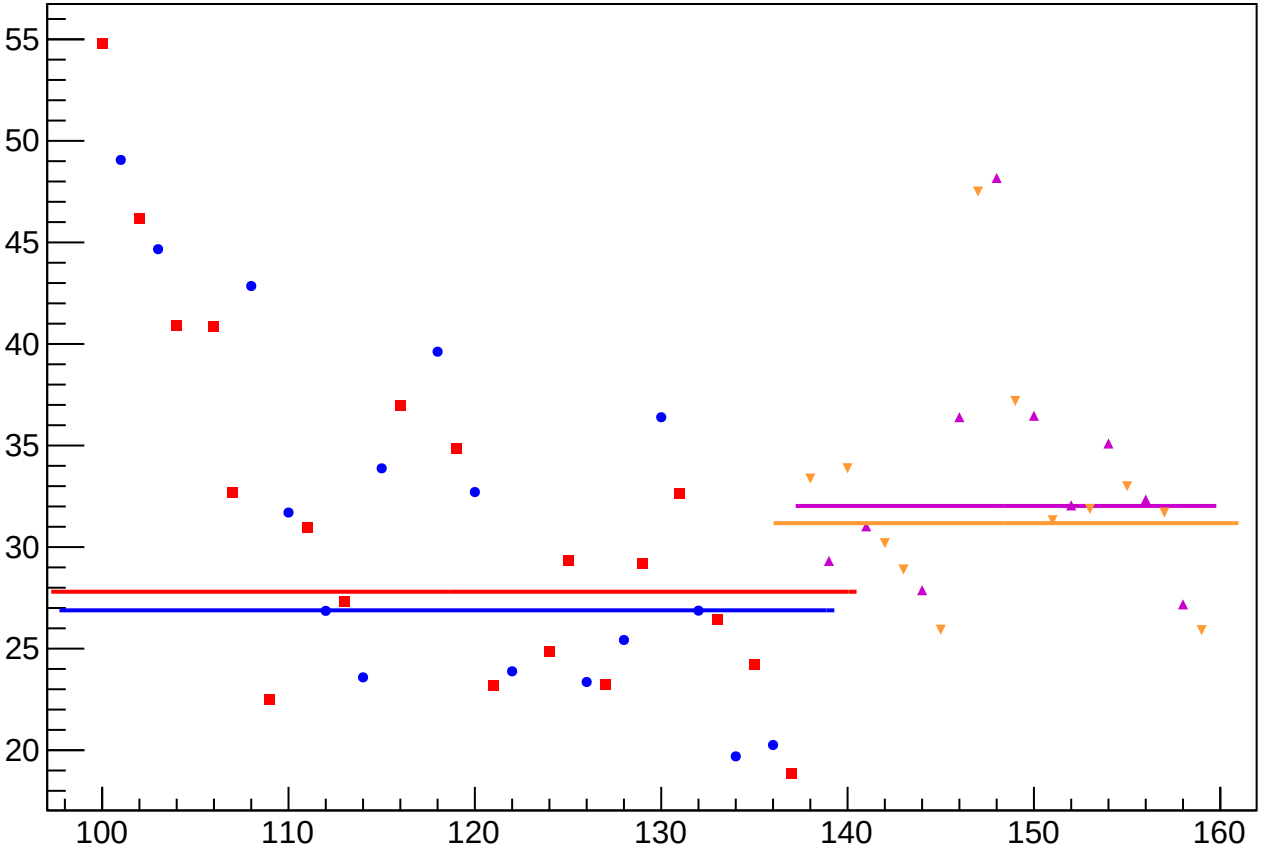
Left In: 0.017+/-0.011 χ^2/NDF:8.1/9

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/27

All: 0.007+/-0.005 χ^2/NDF: 53.2/56

- sign 0.015+/-0.008 χ^2/NDF: 22.1/28

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

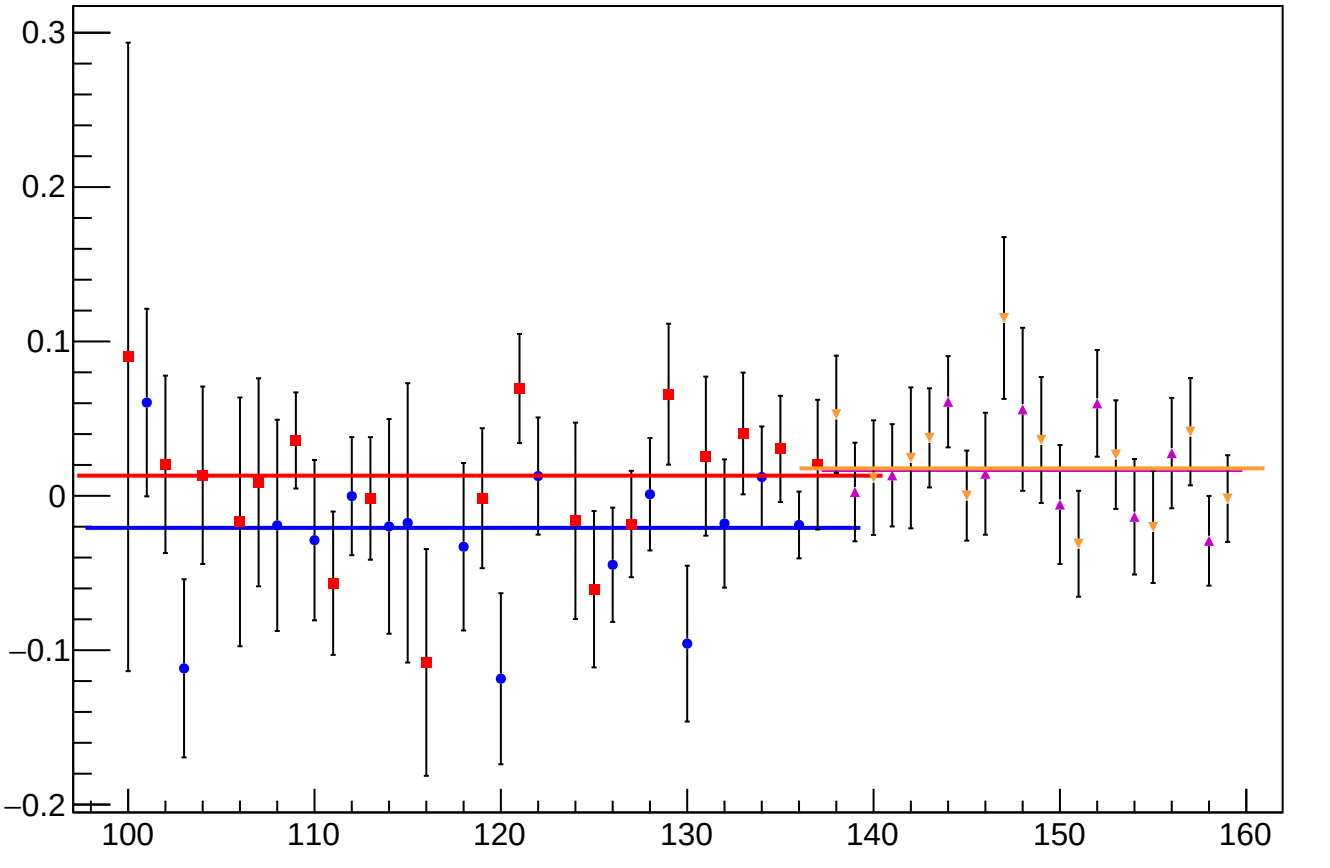
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.025+/-0.008 χ^2/NDF:362906.0/9

+ sign 29.086+/-0.005 χ^2/NDF: 1698802.0/27

All: 29.438+/-0.004 χ^2/NDF: 2987722.7/56

- sign 29.819+/-0.005 χ^2/NDF: 1279319.0/28



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

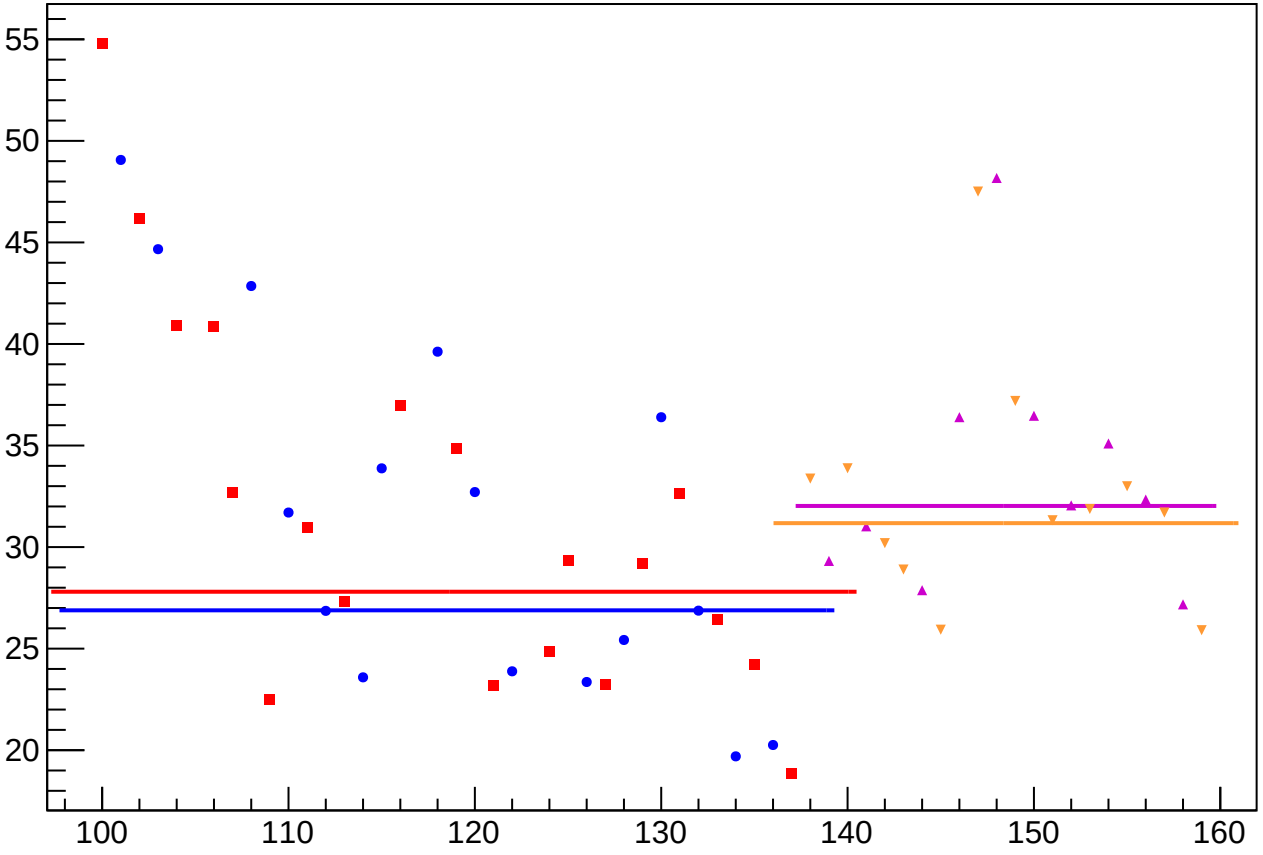
Left In: 0.017+/-0.011 χ^2/NDF:8.1/9

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/27

All: 0.007+/-0.005 χ^2/NDF: 53.2/56

- sign 0.015+/-0.008 χ^2/NDF: 22.1/28

asym_sam_15_dd_dit_vs_eigen_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

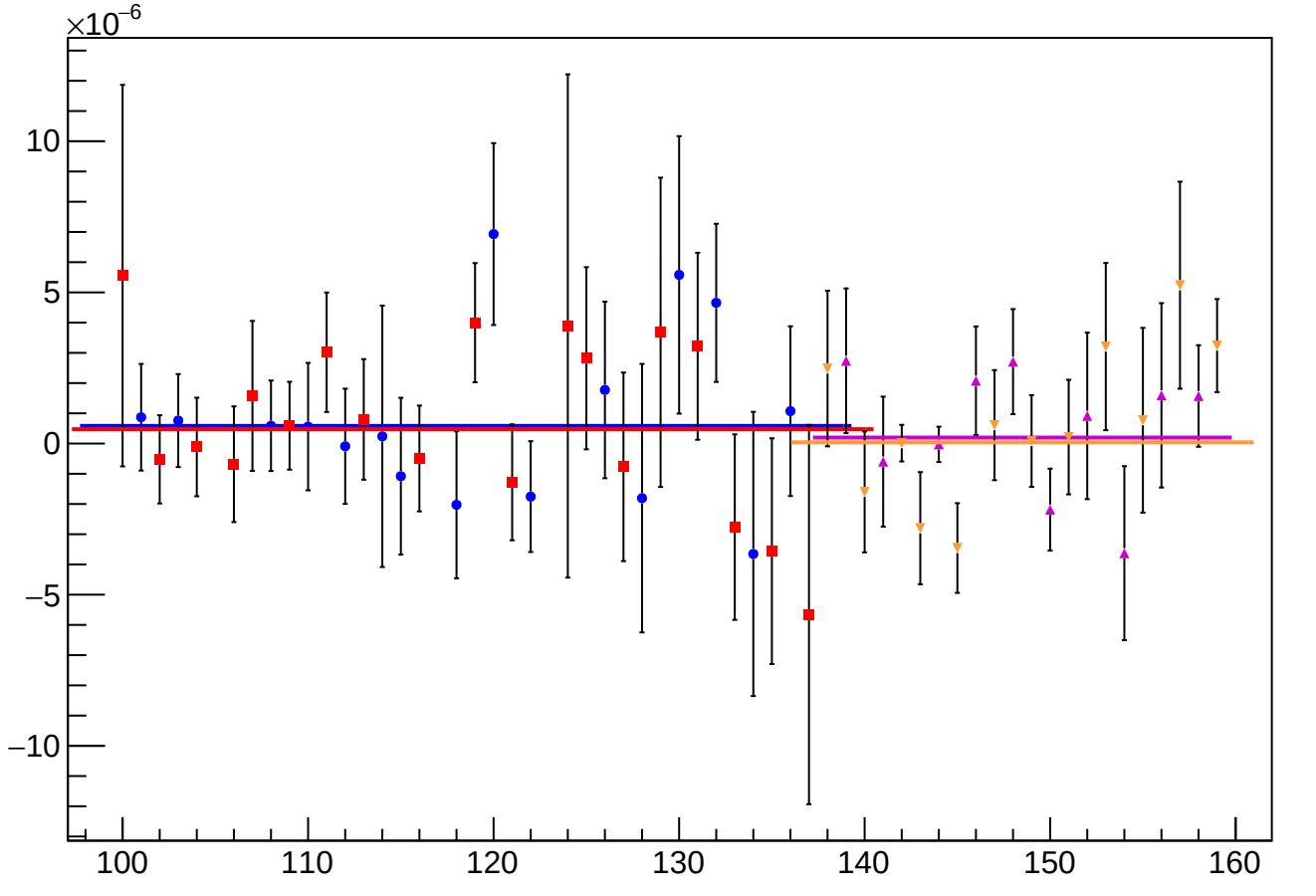
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.025+/-0.008 χ^2/NDF:362906.0/9

+ sign 29.086+/-0.005 χ^2/NDF: 1698802.0/27

All: 29.438+/-0.004 χ^2/NDF: 2987722.7/56

- sign 29.819+/-0.005 χ^2/NDF: 1279319.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/11

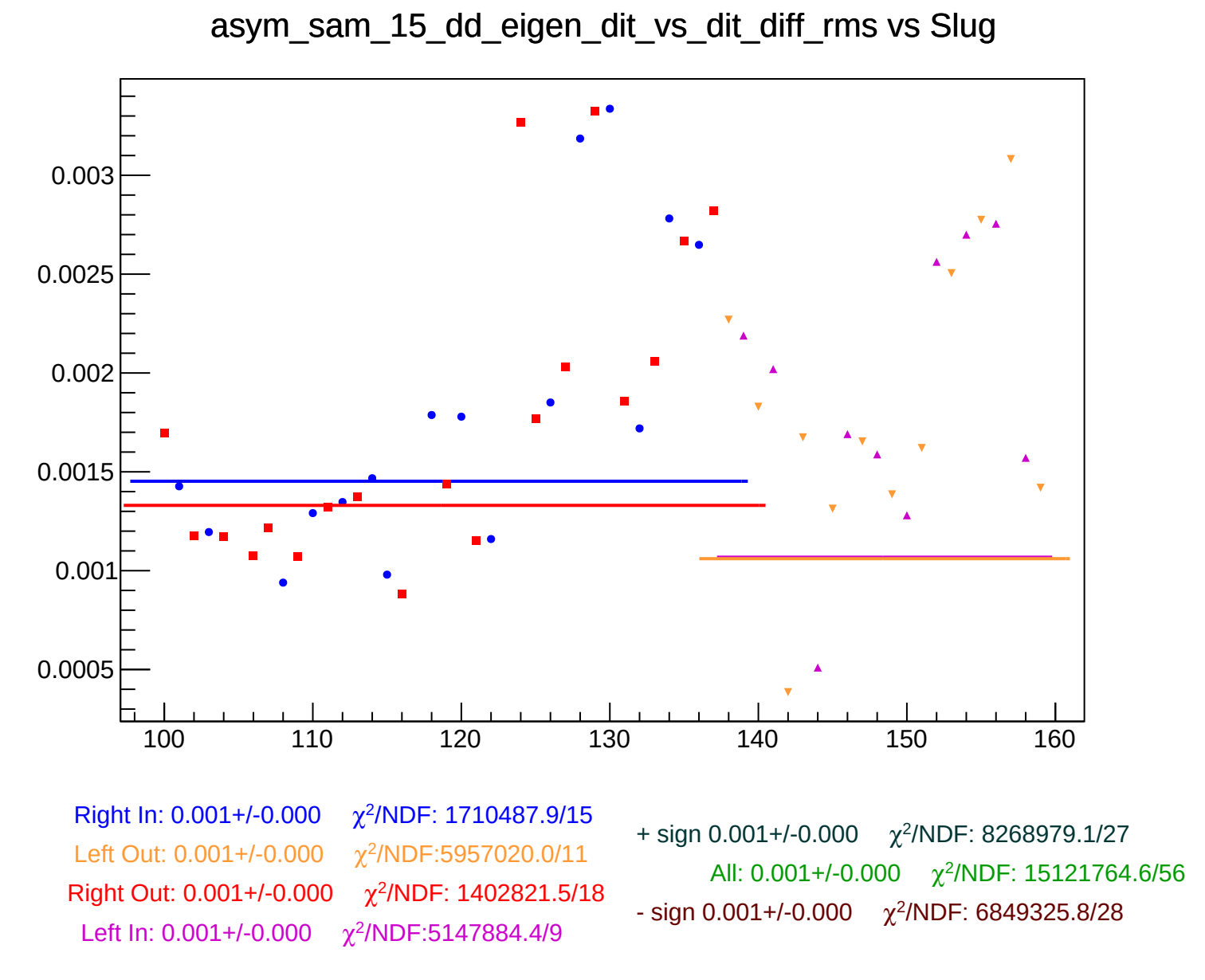
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/27

All: 0.000+/-0.000 χ^2/NDF: 54.7/56

- sign 0.000+/-0.000 χ^2/NDF: 23.8/28


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
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0.002
0.0015
0.001
0.0005
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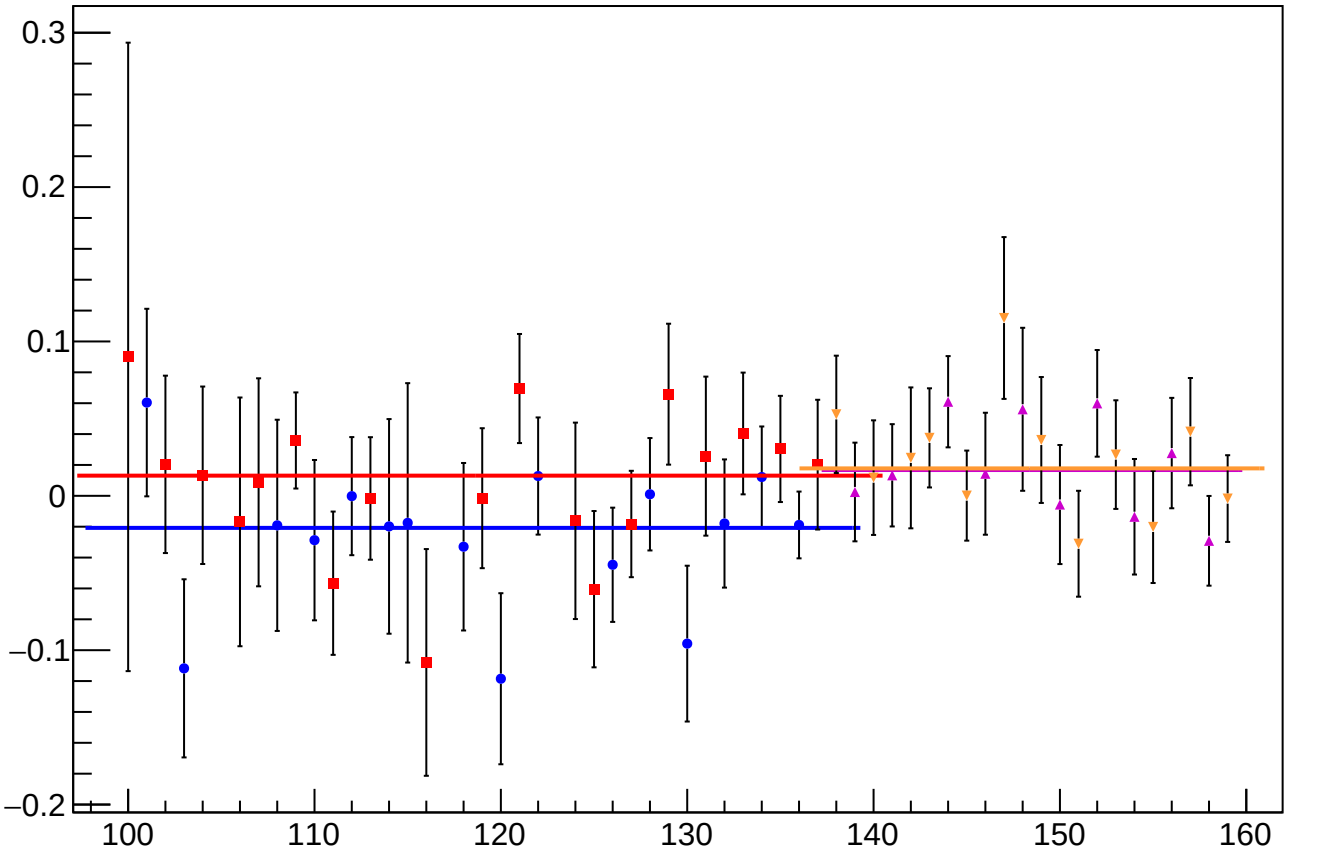
160
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:5957020.0/11
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:5147884.4/9
+ sign 0.001+/-0.000 χ²/NDF: 8268979.1/27
All: 0.001+/-0.000 χ²/NDF: 15121764.6/56
- sign 0.001+/-0.000 χ²/NDF: 6849325.8/28



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.010 χ^2/NDF:9.4/11

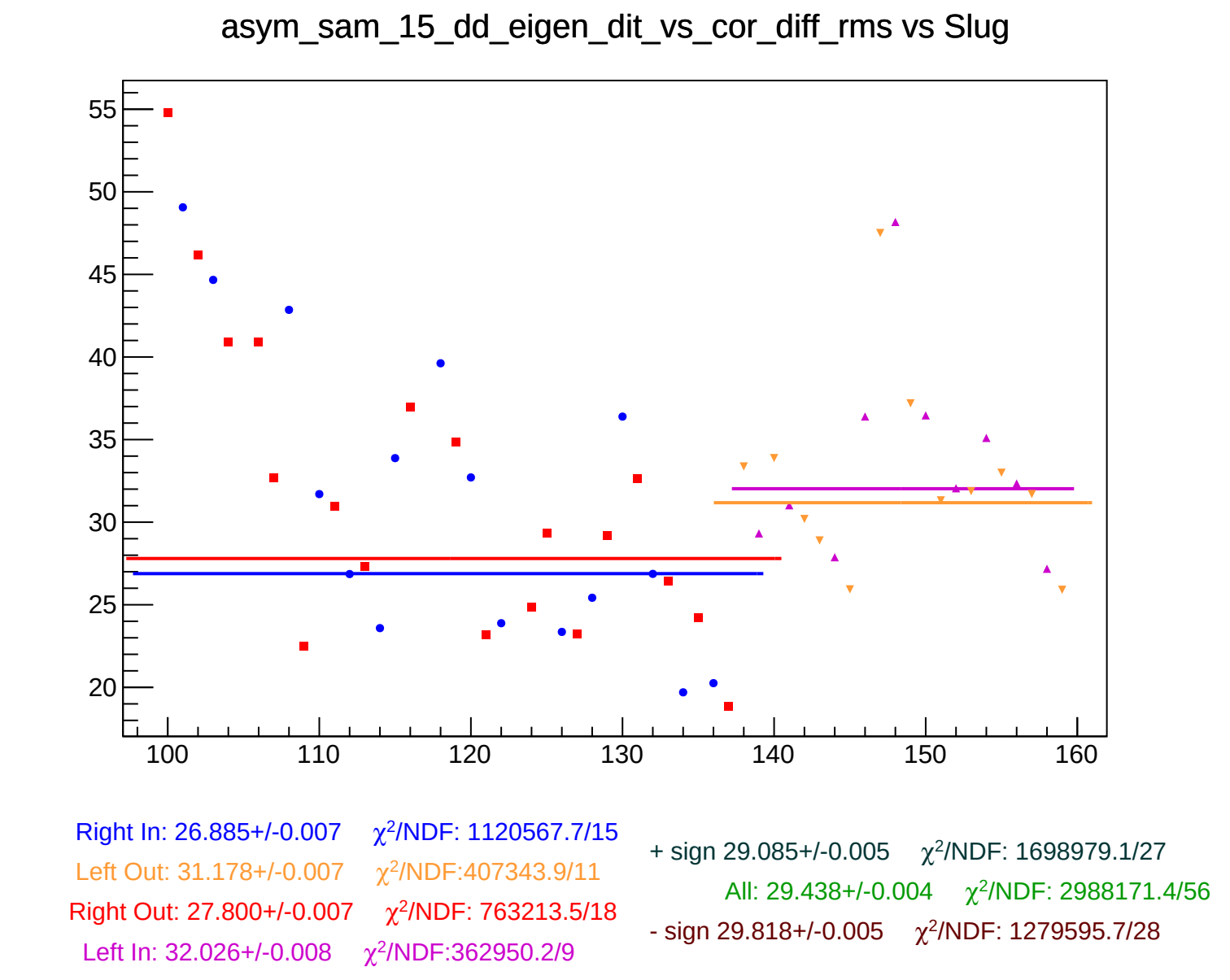
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.017+/-0.011 χ^2/NDF:8.1/9

\+ sign -0.001+/-0.007 χ^2/NDF: 28.9/27

All: 0.007+/-0.005 χ^2/NDF: 53.2/56

\- sign 0.015+/-0.008 χ^2/NDF: 22.1/28


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
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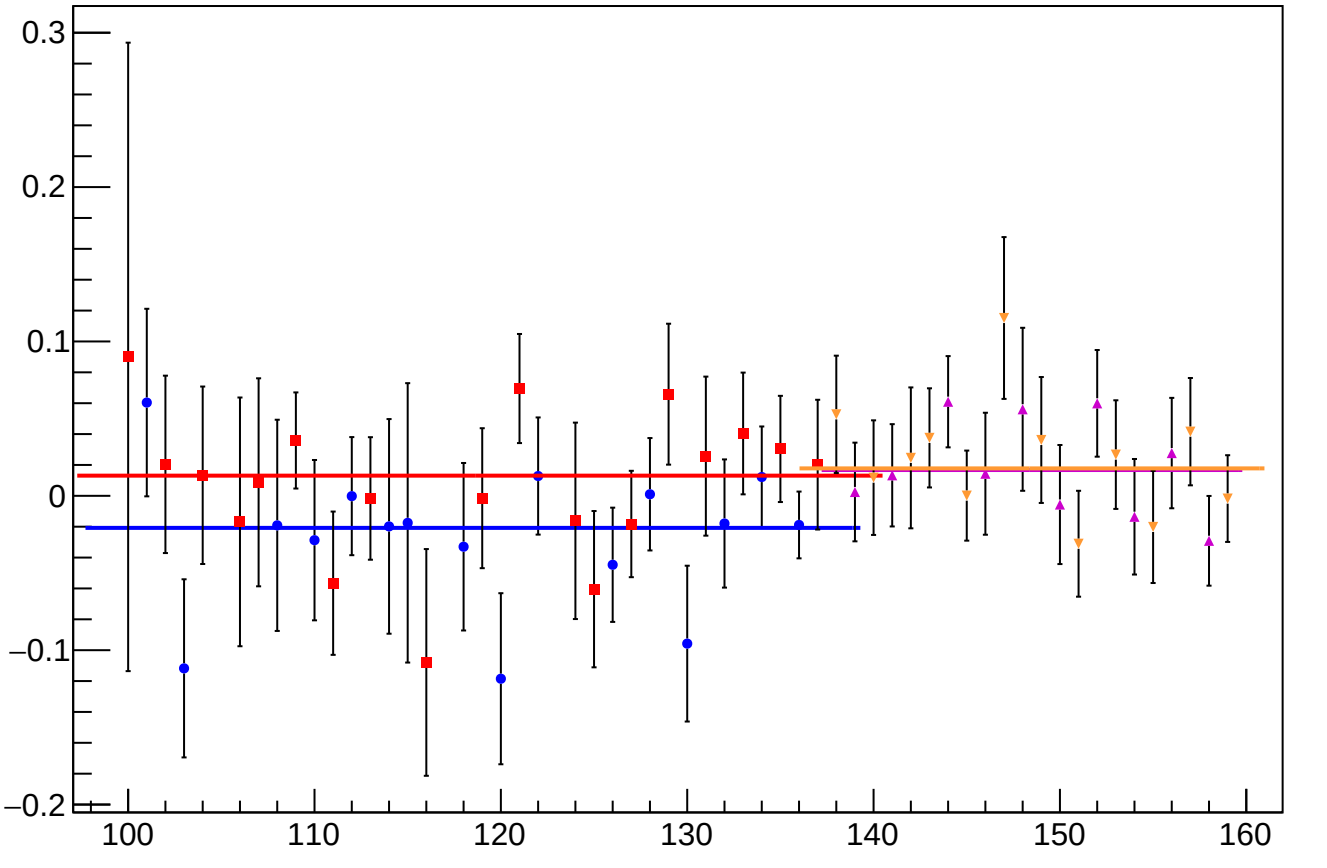
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.178+/-0.007 χ²/NDF:407343.9/11
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.026+/-0.008 χ²/NDF:362950.2/9
+ sign 29.085+/-0.005 χ²/NDF: 1698979.1/27
All: 29.438+/-0.004 χ²/NDF: 2988171.4/56
- sign 29.818+/-0.005 χ²/NDF: 1279595.7/28



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.010 χ^2/NDF:9.4/11

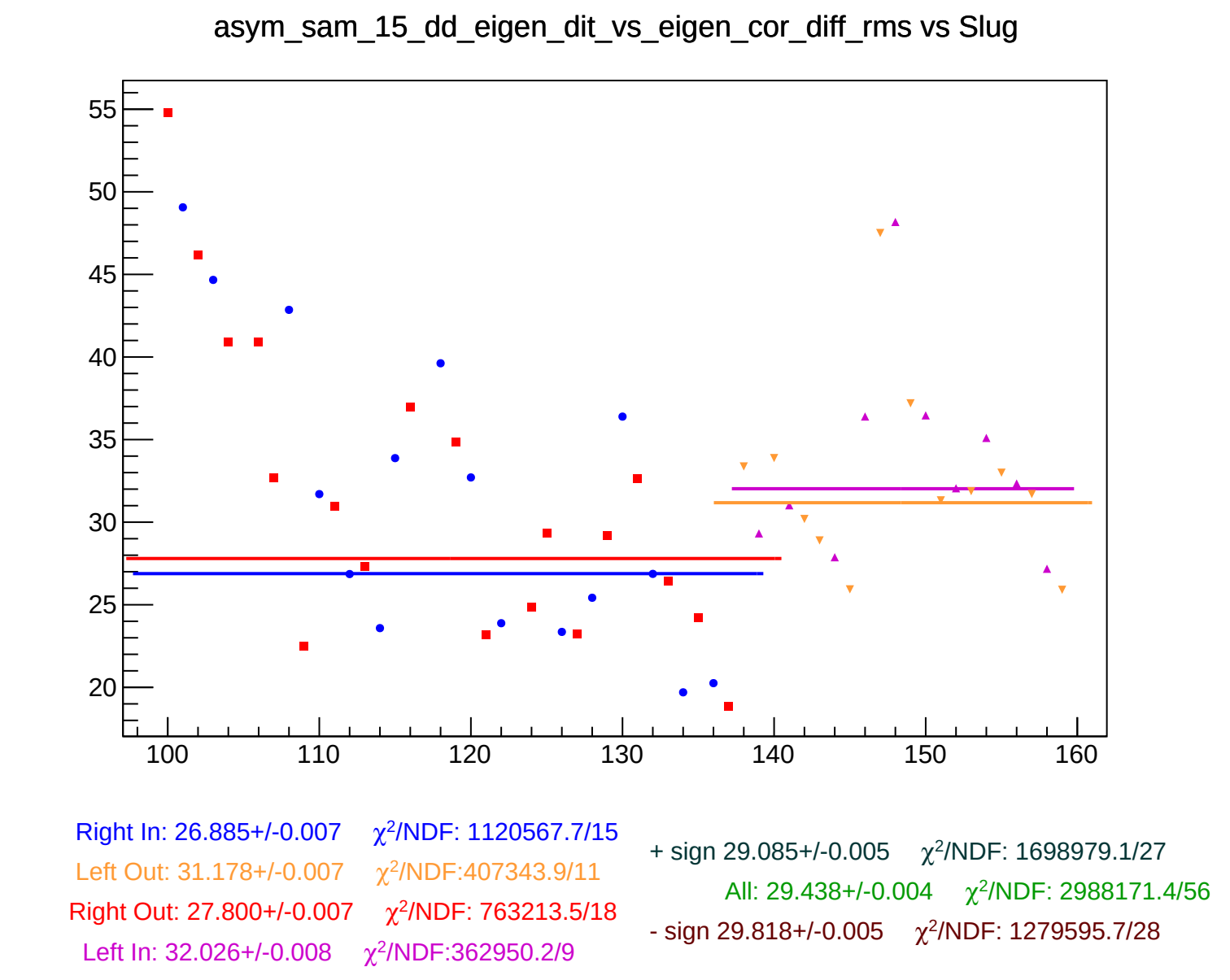
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.017+/-0.011 χ^2/NDF:8.1/9

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/27

All: 0.007+/-0.005 χ^2/NDF: 53.2/56

- sign 0.015+/-0.008 χ^2/NDF: 22.1/28


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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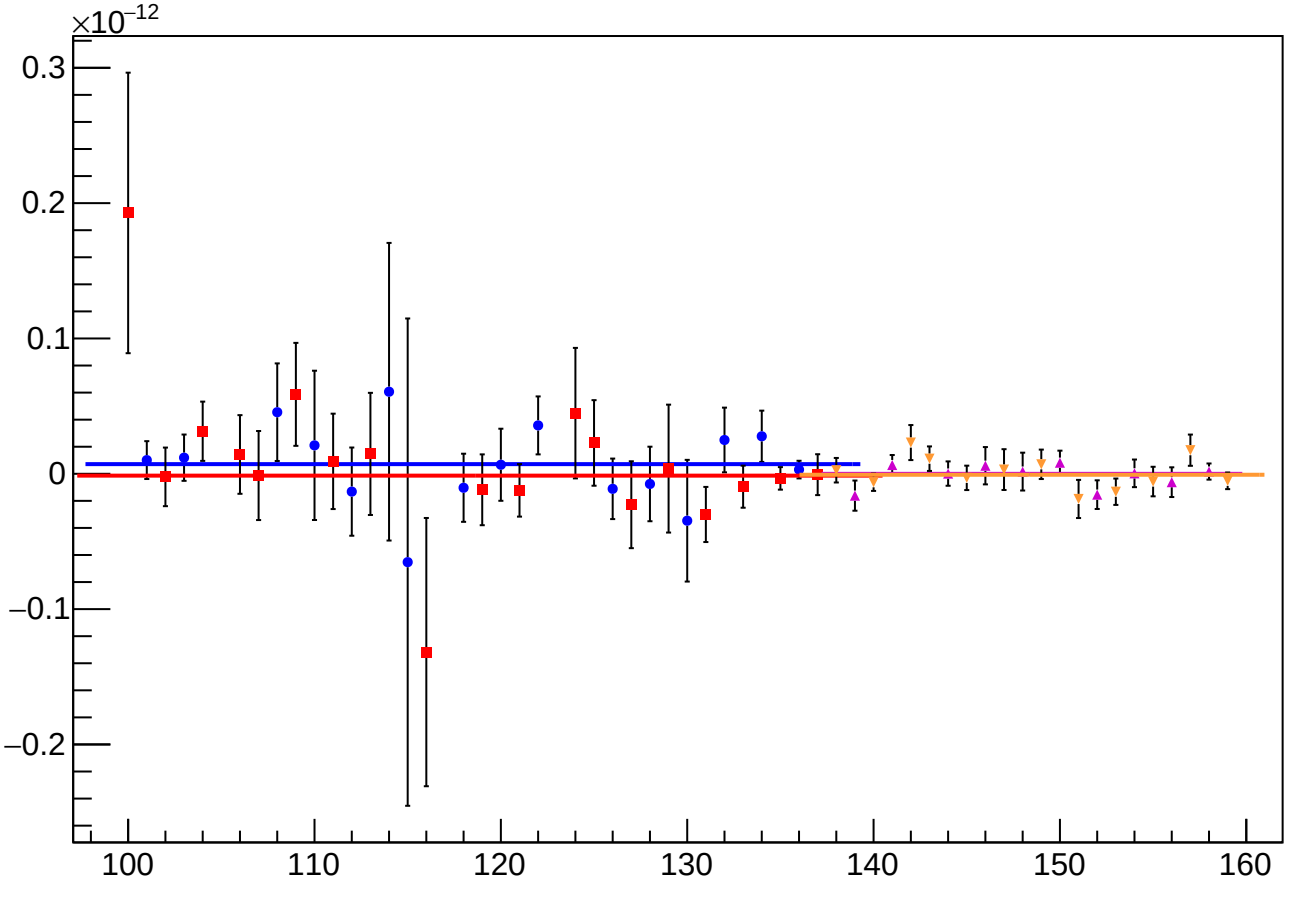
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.178+/-0.007 χ²/NDF:407343.9/11
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.026+/-0.008 χ²/NDF:362950.2/9
+ sign 29.085+/-0.005 χ²/NDF: 1698979.1/27
All: 29.438+/-0.004 χ²/NDF: 2988171.4/56
- sign 29.818+/-0.005 χ²/NDF: 1279595.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/11

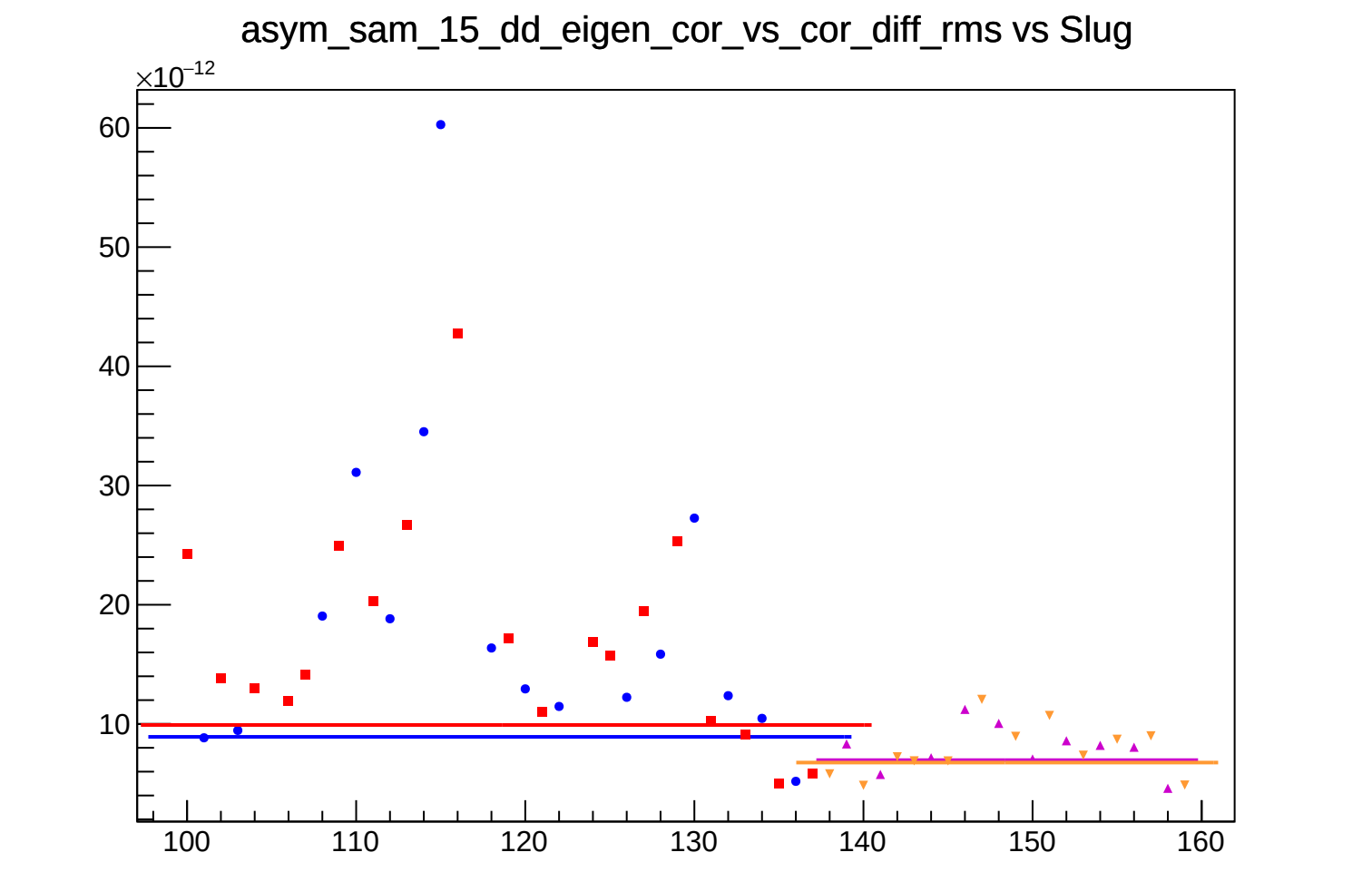
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/27

All: 0.000+/-0.000 χ^2/NDF: 45.6/56

- sign -0.000+/-0.000 χ^2/NDF: 21.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1025312.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

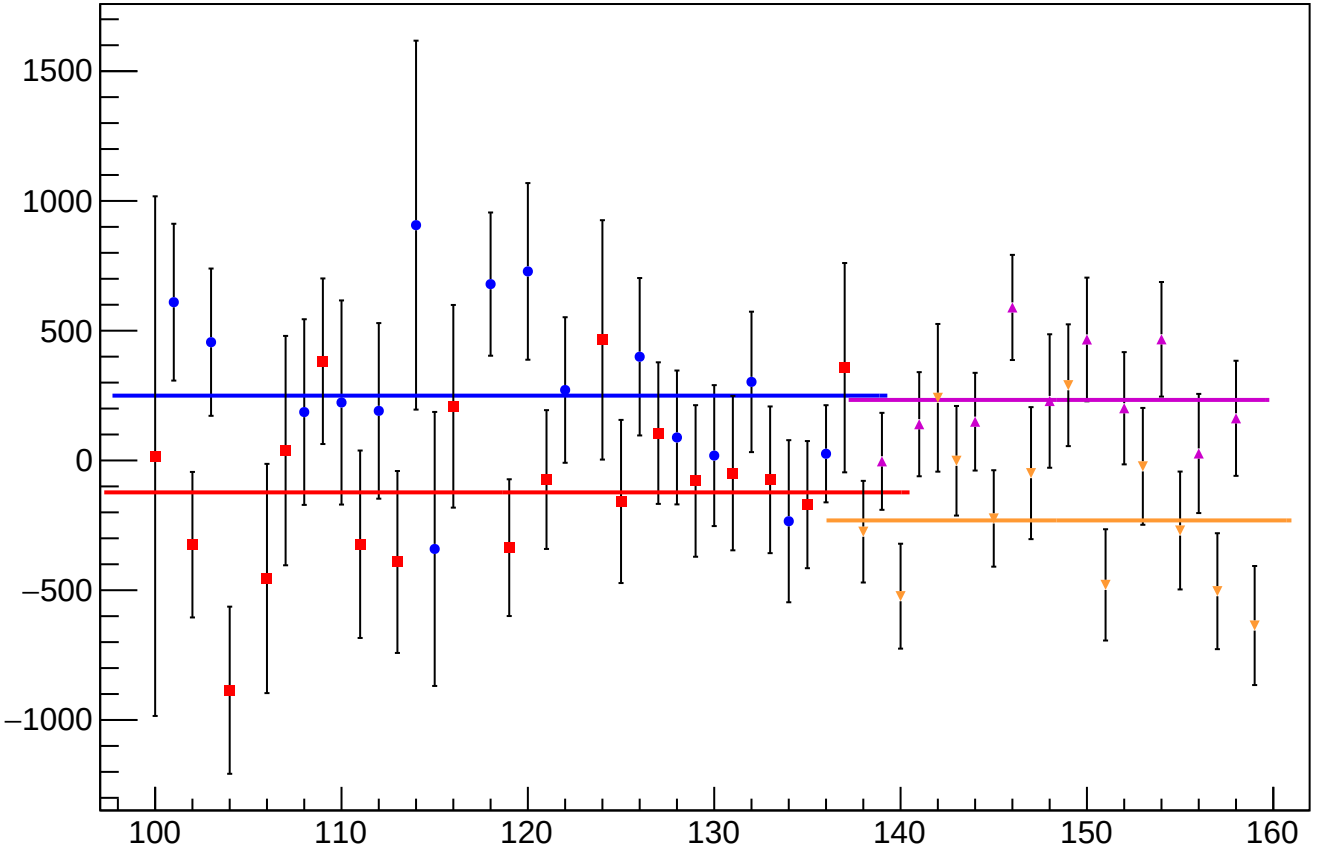
Left In: 0.000+/-0.000 χ^2/NDF:781299.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 3757676.6/27

All: 0.000+/-0.000 χ^2/NDF: 7764560.8/56

- sign 0.000+/-0.000 χ^2/NDF: 3977867.0/28

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

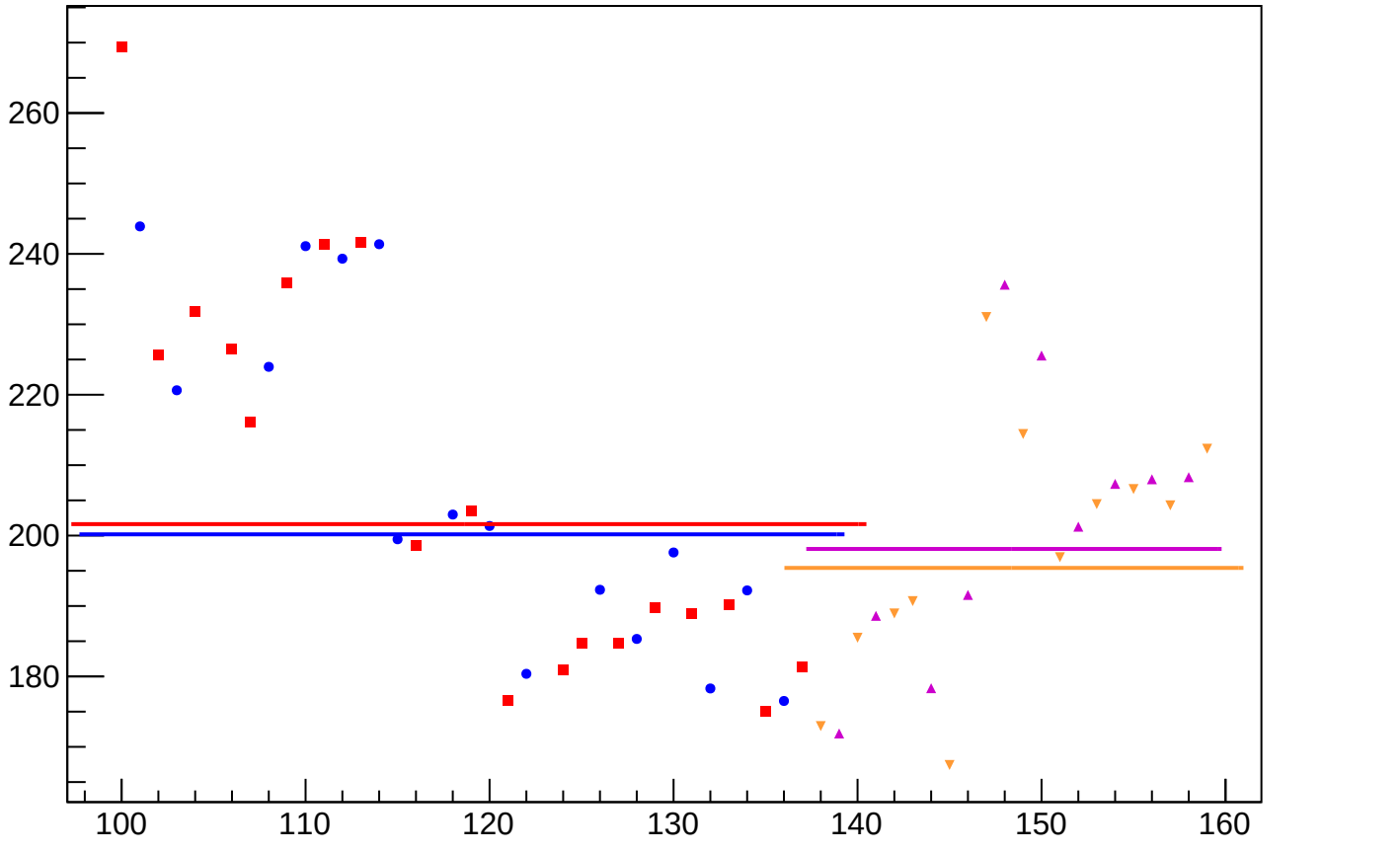
Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: 233.248+/-67.419 χ^2/NDF:8.1/9

+ sign -29.836+/-48.439 χ^2/NDF: 56.1/27

All: 19.785+/-34.773 χ^2/NDF: 94.5/56

- sign 72.549+/-49.950 χ^2/NDF: 36.3/28



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 195.408+/-0.045 χ^2/NDF:153130.1/11

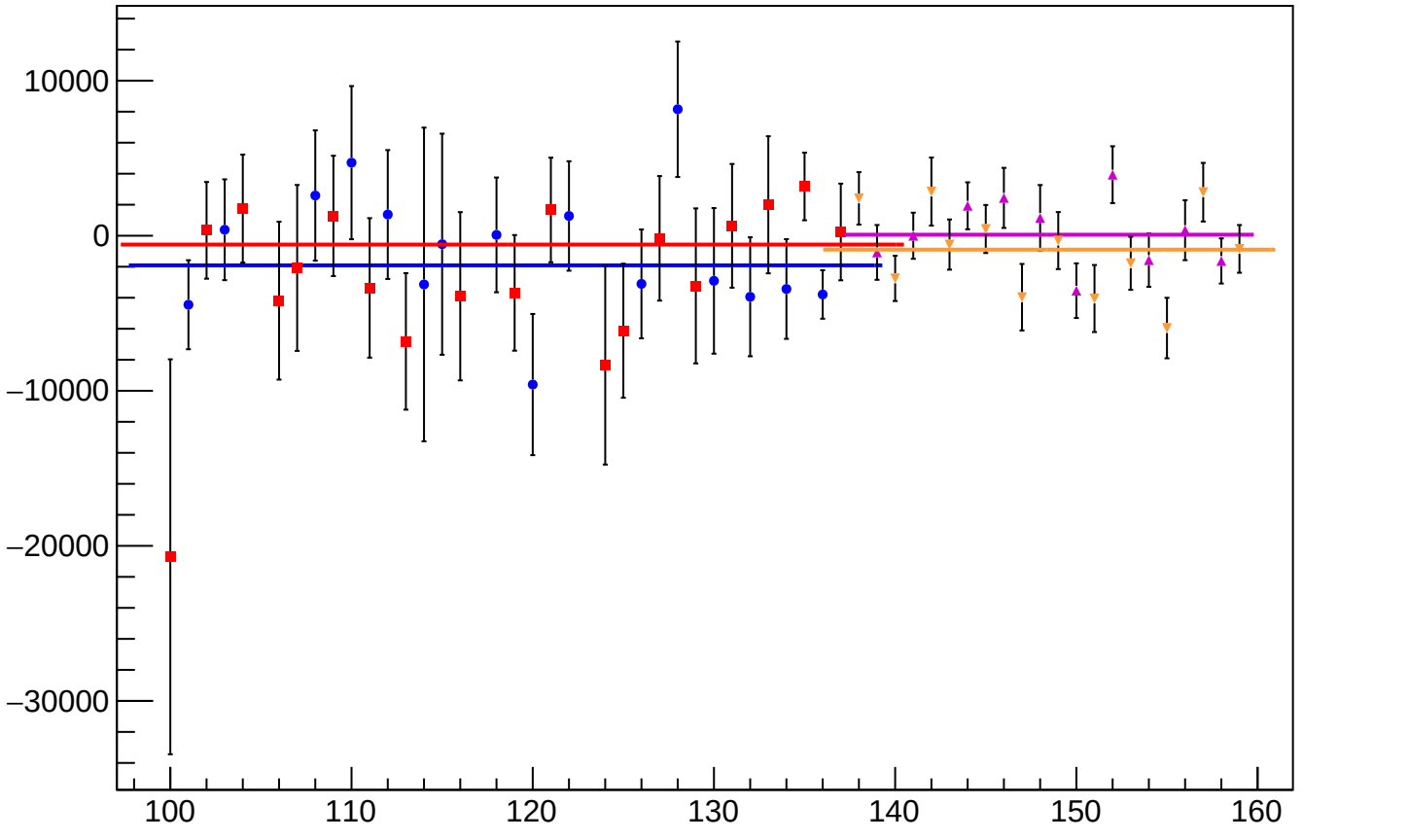
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

+ sign 197.404+/-0.034 χ^2/NDF: 338848.0/27

All: 198.513+/-0.025 χ^2/NDF: 689686.5/56

- sign 199.692+/-0.035 χ^2/NDF: 348676.2/28



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

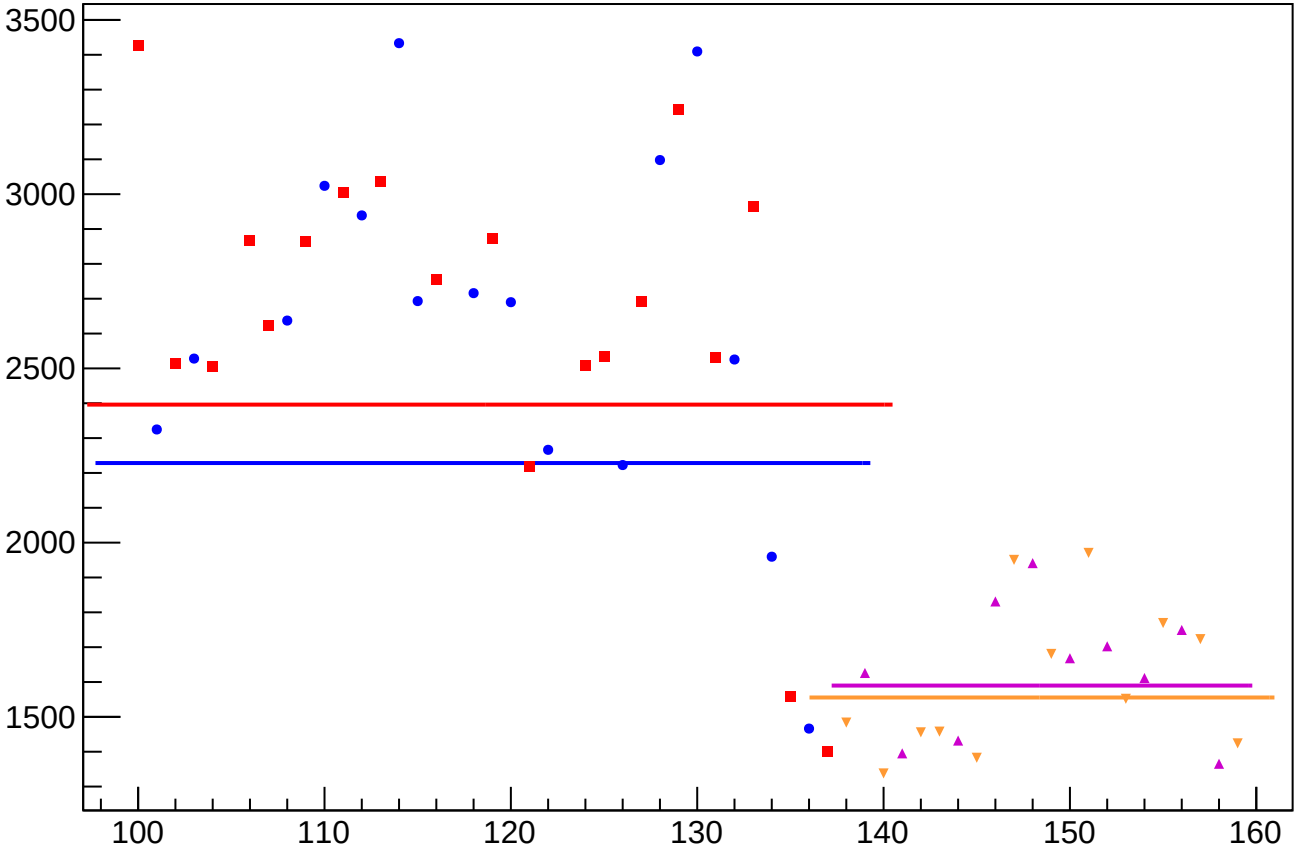
Left In: 65.978+/-542.880 χ^2/NDF:14.6/9

+ sign -1160.103+/-438.003 χ^2/NDF: 41.5/27

All: -663.422+/-318.806 χ^2/NDF: 73.9/56

- sign -103.817+/-464.921 χ^2/NDF: 29.6/28

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

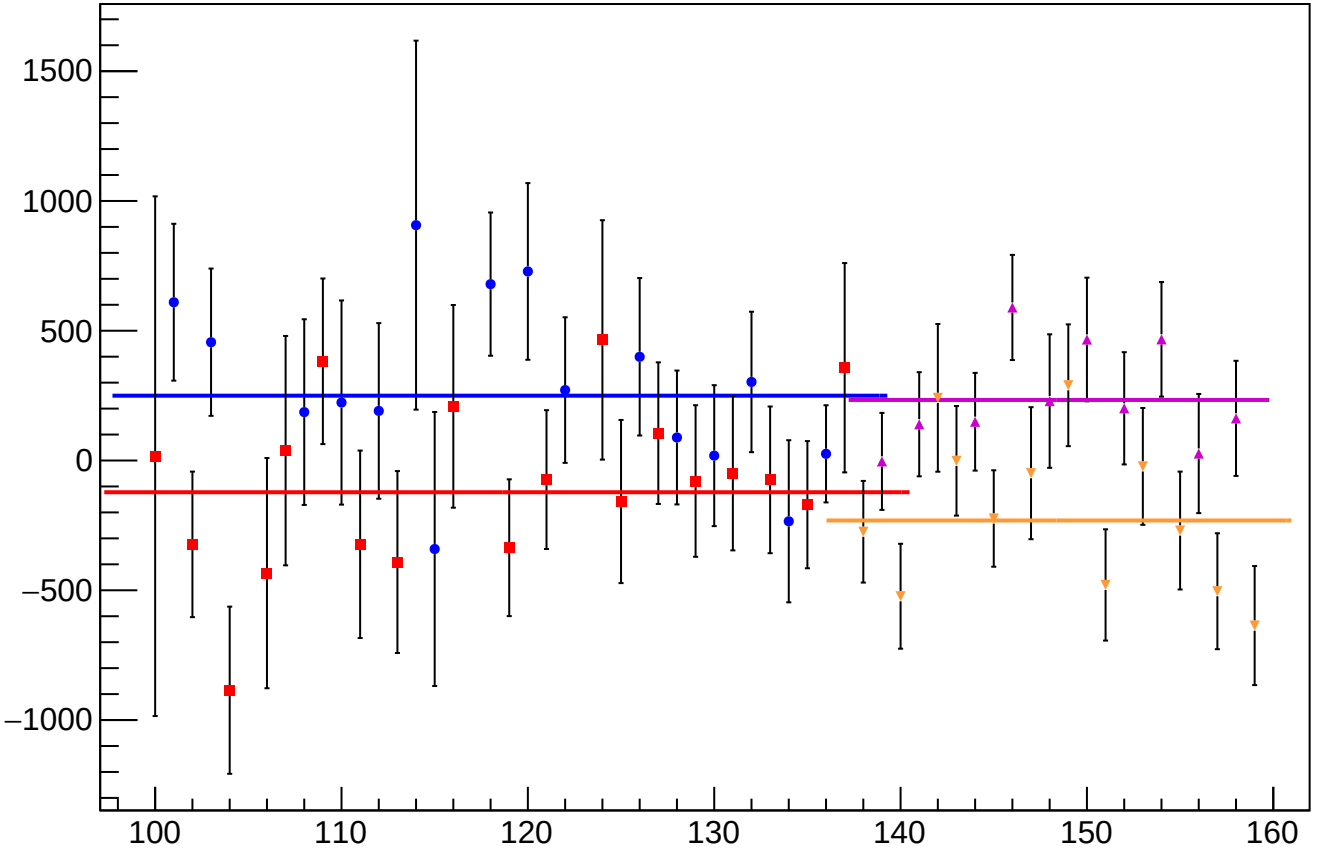
Left In: 1589.825+/-0.384 χ^2/NDF:215633.1/9

+ sign 1730.511+/-0.310 χ^2/NDF: 2144966.9/27

All: 1765.424+/-0.225 χ^2/NDF: 4363057.7/56

- sign 1804.761+/-0.329 χ^2/NDF: 2191066.0/28

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

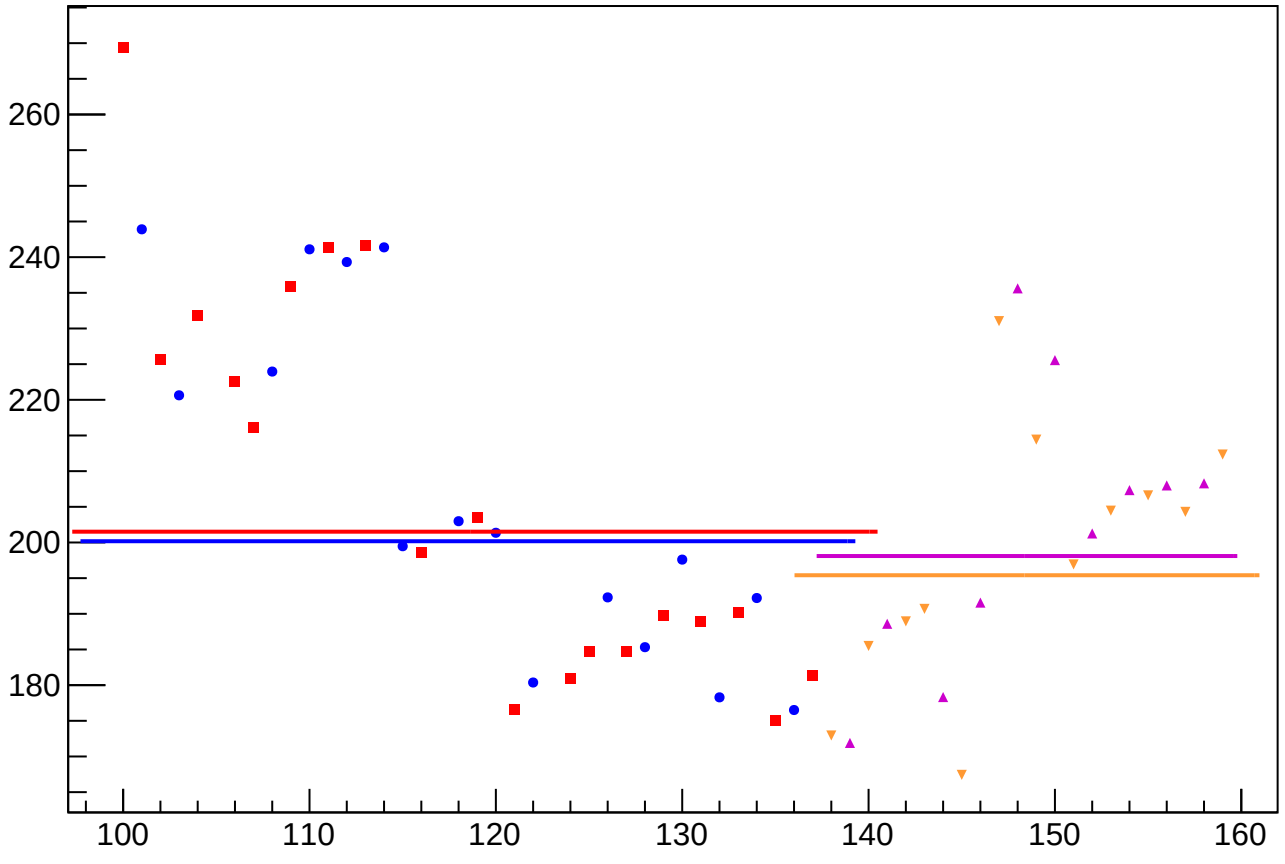
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 233.246+/-67.419 χ^2/NDF:8.1/9

+ sign -29.827+/-48.439 χ^2/NDF: 56.1/27

All: 19.969+/-34.774 χ^2/NDF: 94.4/56

- sign 72.925+/-49.953 χ^2/NDF: 36.1/28



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 195.408+/-0.045 χ^2/NDF:153130.1/11

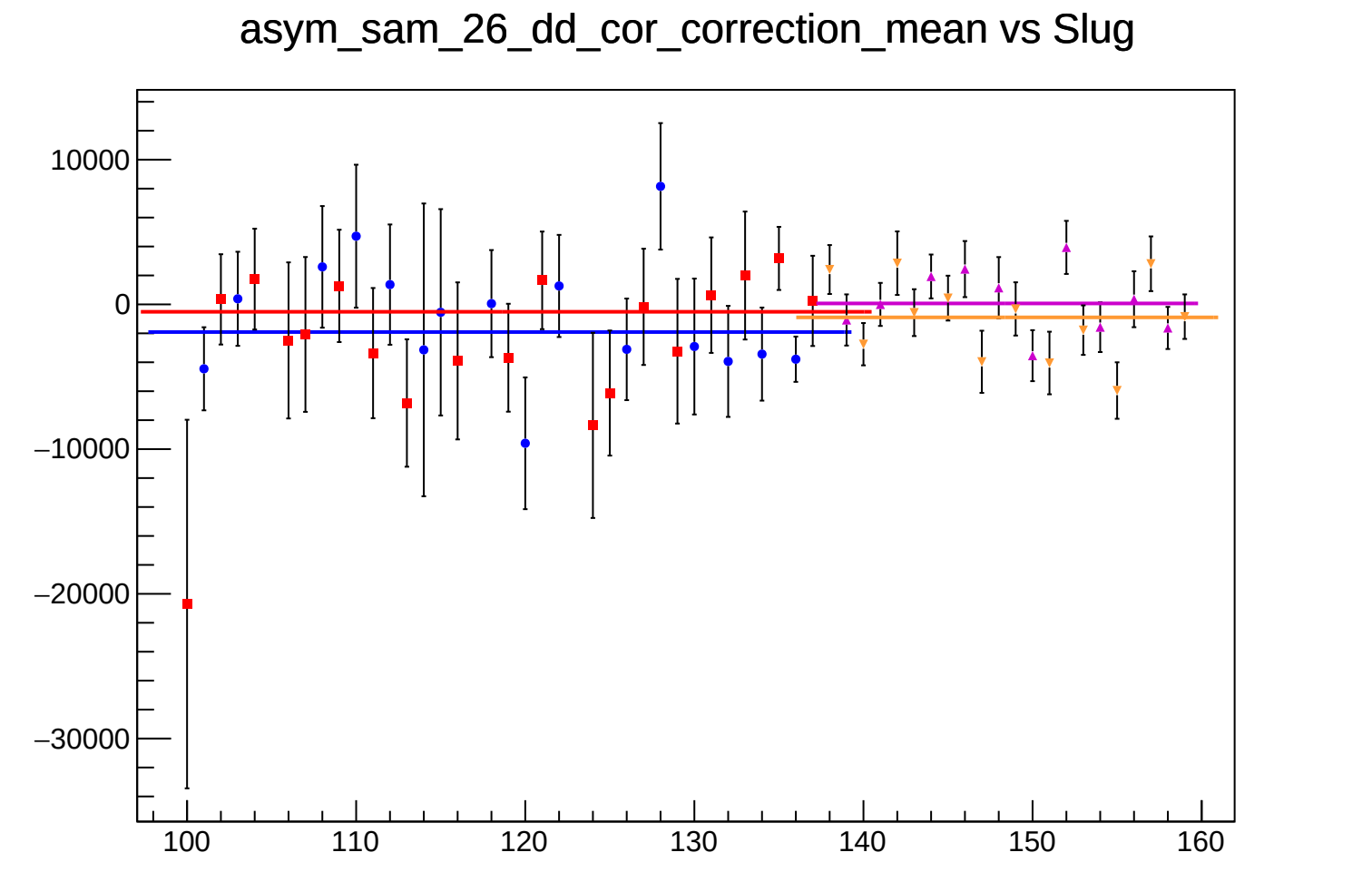
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

+ sign 197.404+/-0.034 χ^2/NDF: 338848.3/27

All: 198.488+/-0.025 χ^2/NDF: 687621.0/56

- sign 199.641+/-0.035 χ^2/NDF: 346706.0/28



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

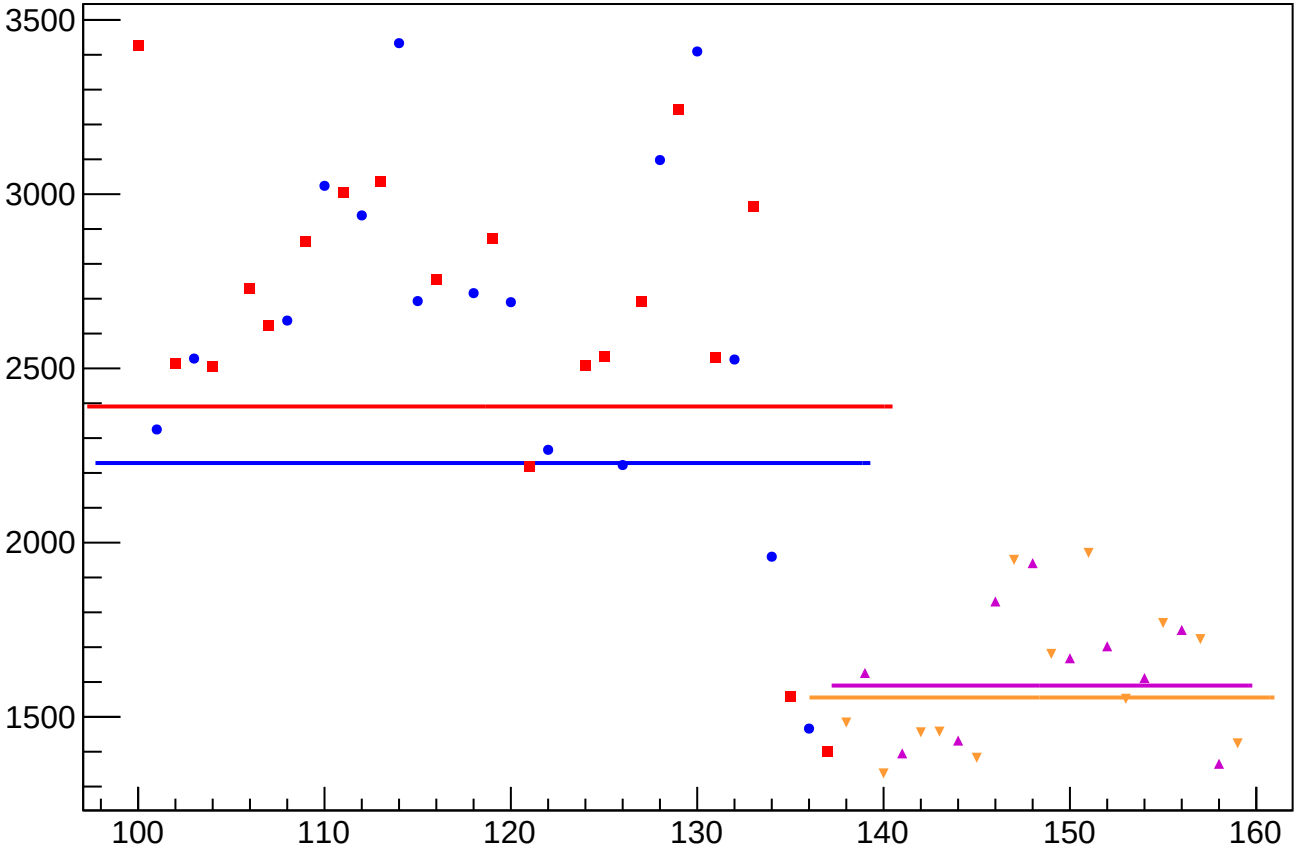
Left In: 65.971+/-542.881 χ^2/NDF:14.6/9

+ sign -1160.089+/-438.003 χ^2/NDF: 41.5/27

All: -656.000+/-318.876 χ^2/NDF: 73.5/56

- sign -87.524+/-465.135 χ^2/NDF: 29.2/28

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

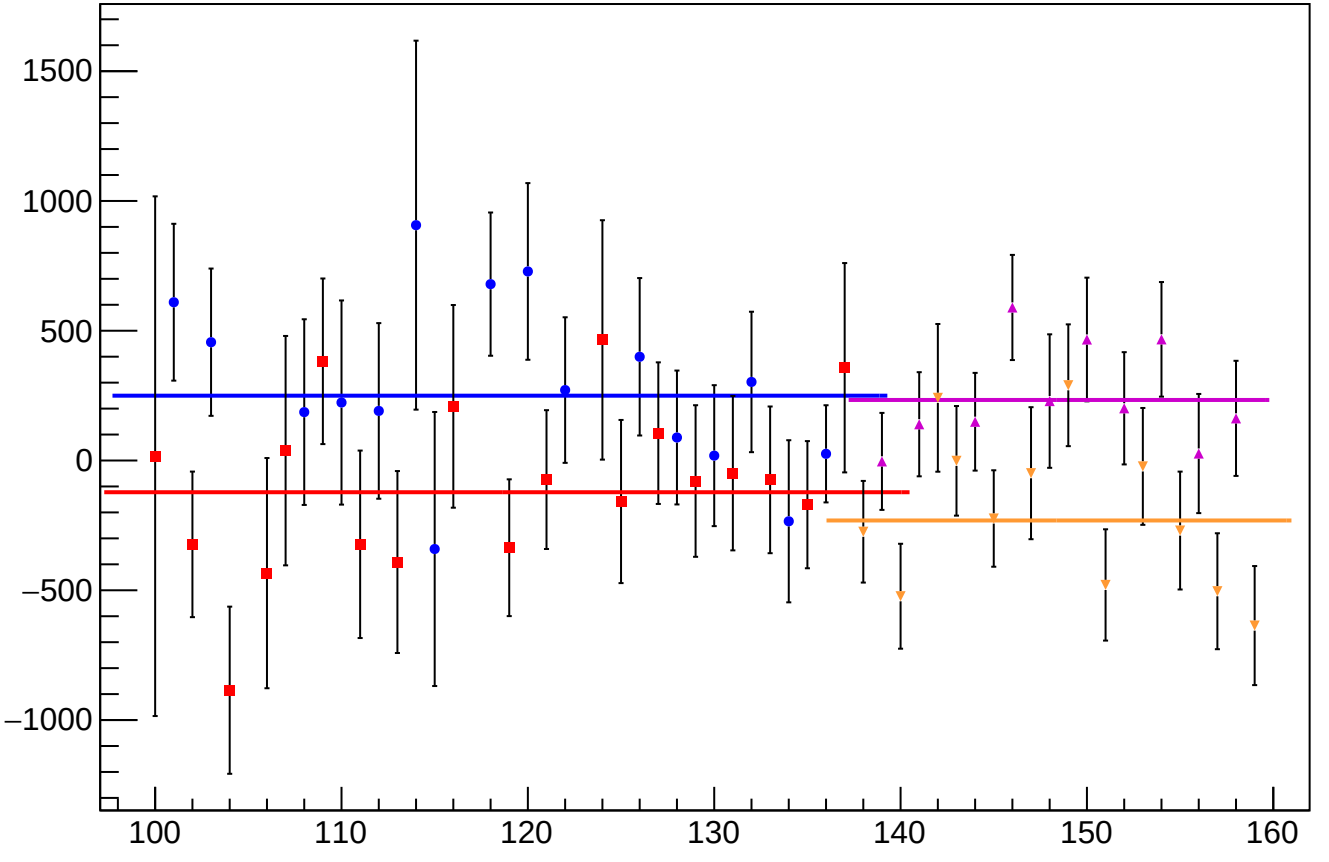
Left In: 1589.825+/-0.384 χ^2/NDF:215633.4/9

+ sign 1730.512+/-0.310 χ^2/NDF: 2144978.4/27

All: 1764.483+/-0.225 χ^2/NDF: 4333702.6/56

- sign 1802.793+/-0.329 χ^2/NDF: 2163126.2/28

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

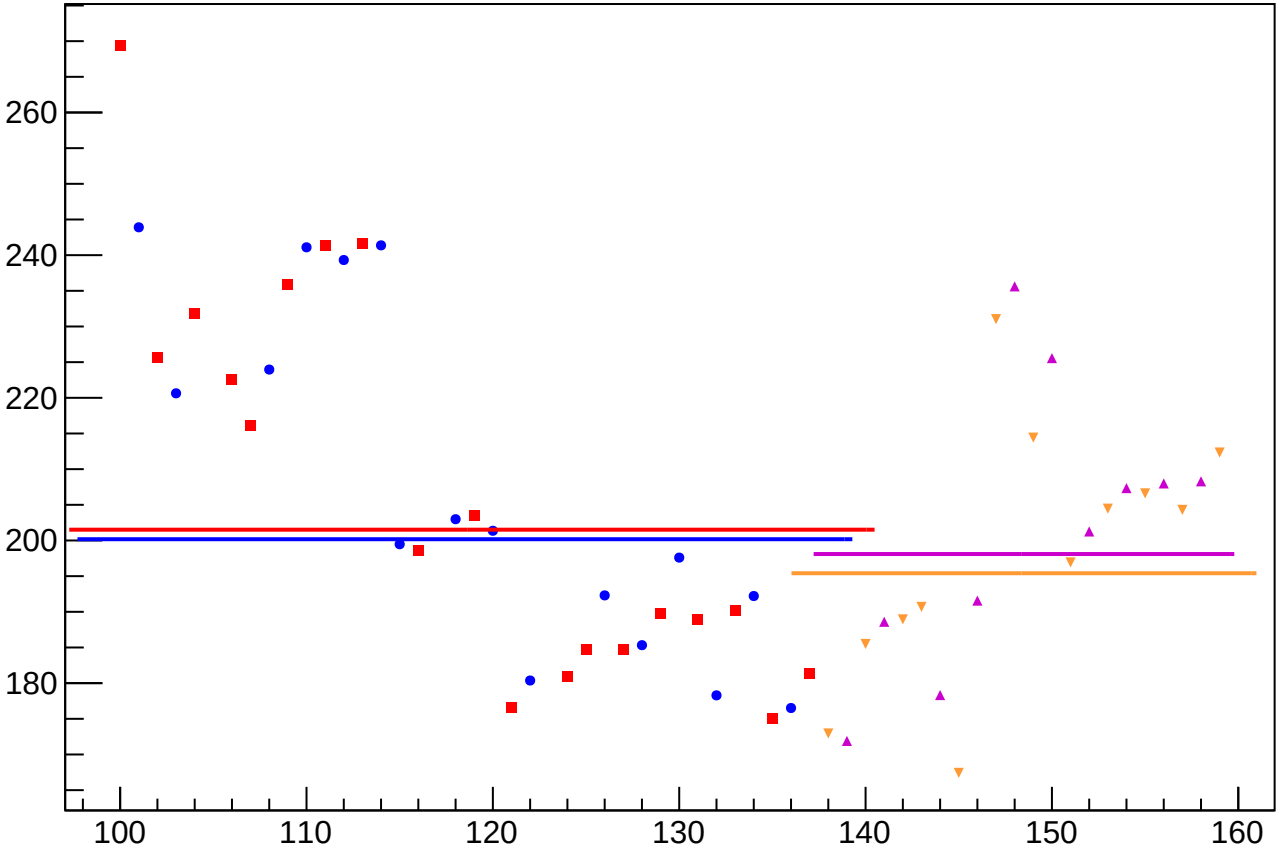
Left In: 233.246+/-67.419 χ^2/NDF:8.1/9

+ sign -29.827+/-48.439 χ^2/NDF: 56.1/27

All: 19.969+/-34.774 χ^2/NDF: 94.4/56

- sign 72.925+/-49.953 χ^2/NDF: 36.1/28

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

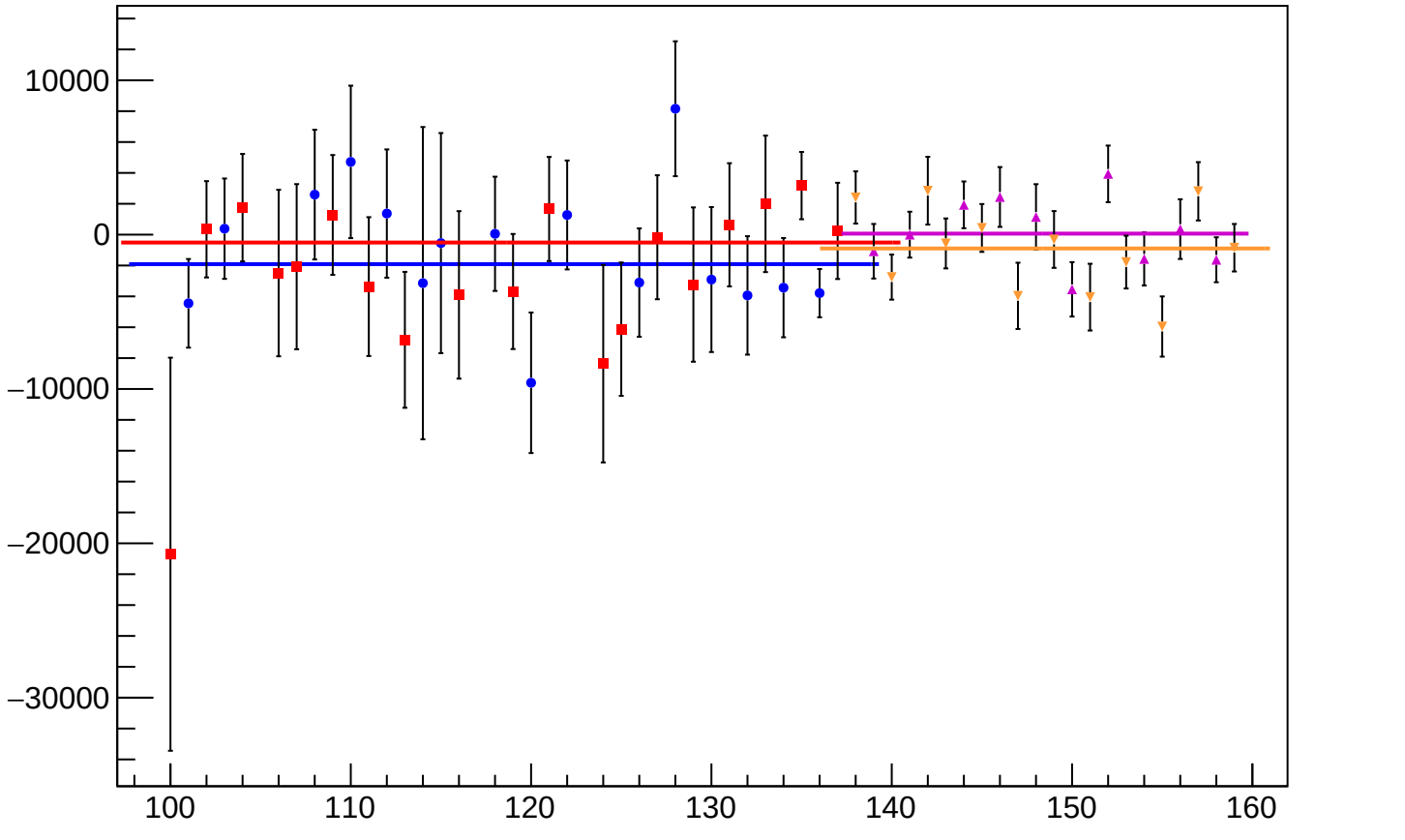
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 198.101+/-0.048 χ^2/NDF:148963.3/9

+ sign 197.404+/-0.034 χ^2/NDF: 338848.3/27

All: 198.488+/-0.025 χ^2/NDF: 687621.0/56

- sign 199.641+/-0.035 χ^2/NDF: 346706.0/28



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -896.576+/-509.148 χ^2/NDF:24.2/11

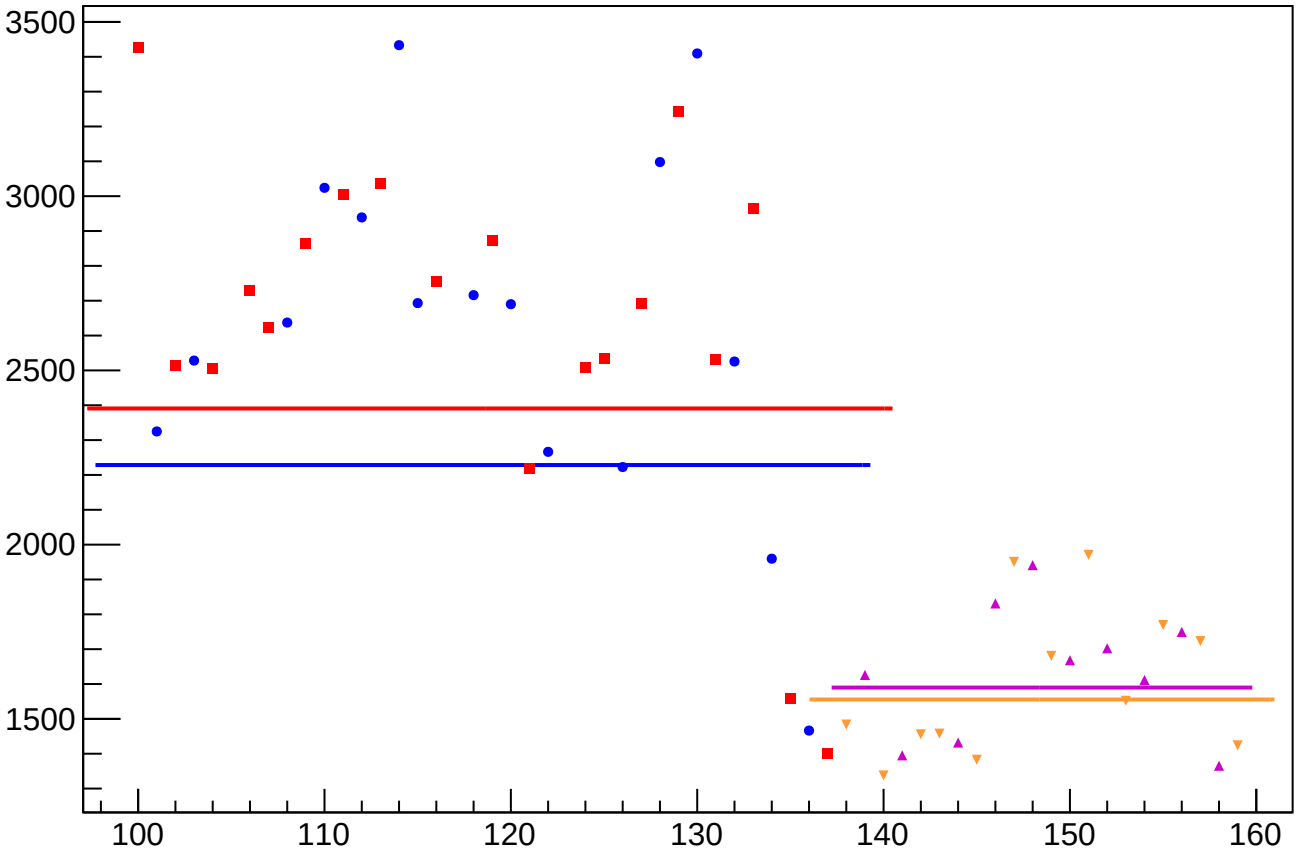
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 65.971+/-542.881 χ^2/NDF:14.6/9

+ sign -1160.089+/-438.003 χ^2/NDF: 41.5/27

All: -656.000+/-318.876 χ^2/NDF: 73.5/56

- sign -87.524+/-465.135 χ^2/NDF: 29.2/28



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

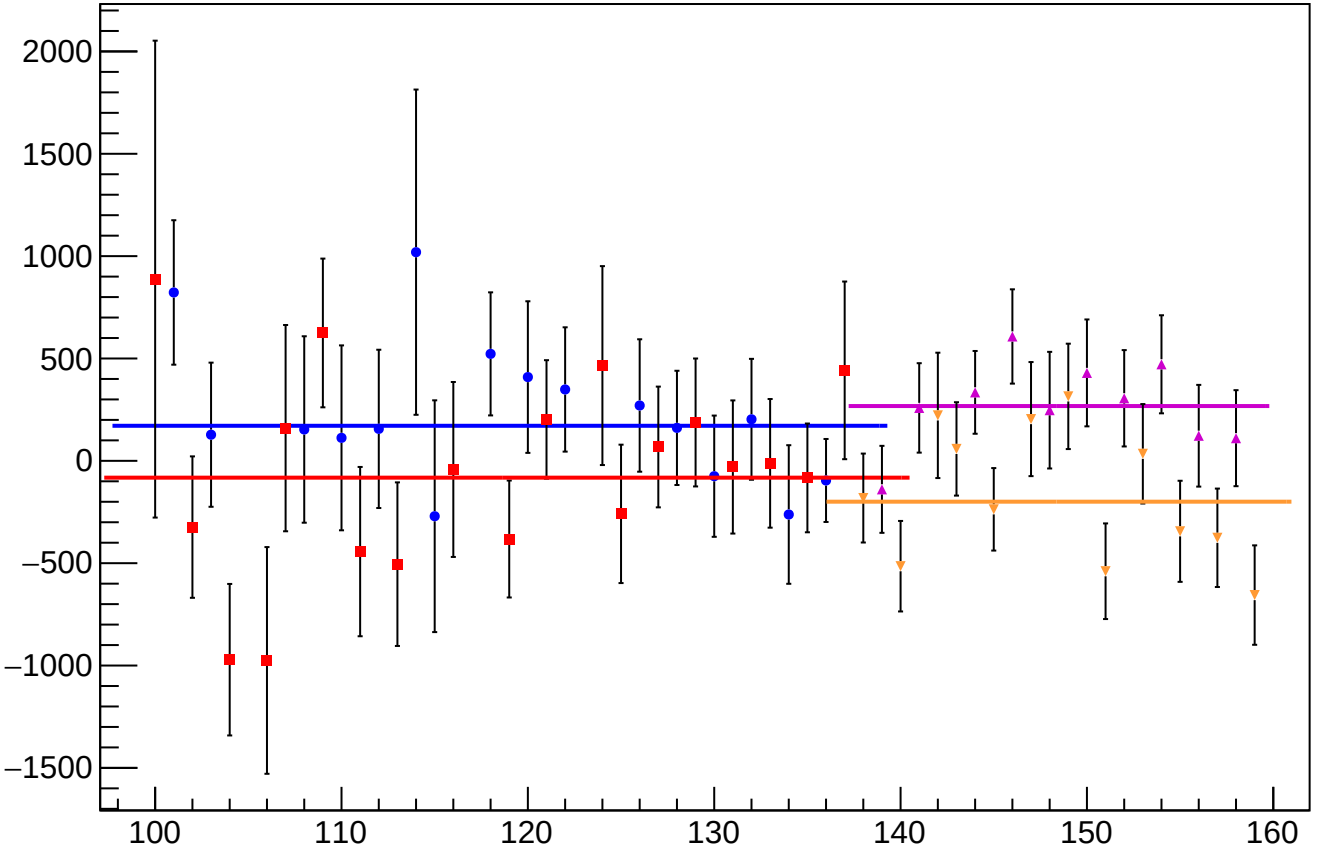
Left In: 1589.825+/-0.384 χ^2/NDF:215633.4/9

+ sign 1730.512+/-0.310 χ^2/NDF: 2144978.4/27

All: 1764.483+/-0.225 χ^2/NDF: 4333702.6/56

- sign 1802.793+/-0.329 χ^2/NDF: 2163126.2/28

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

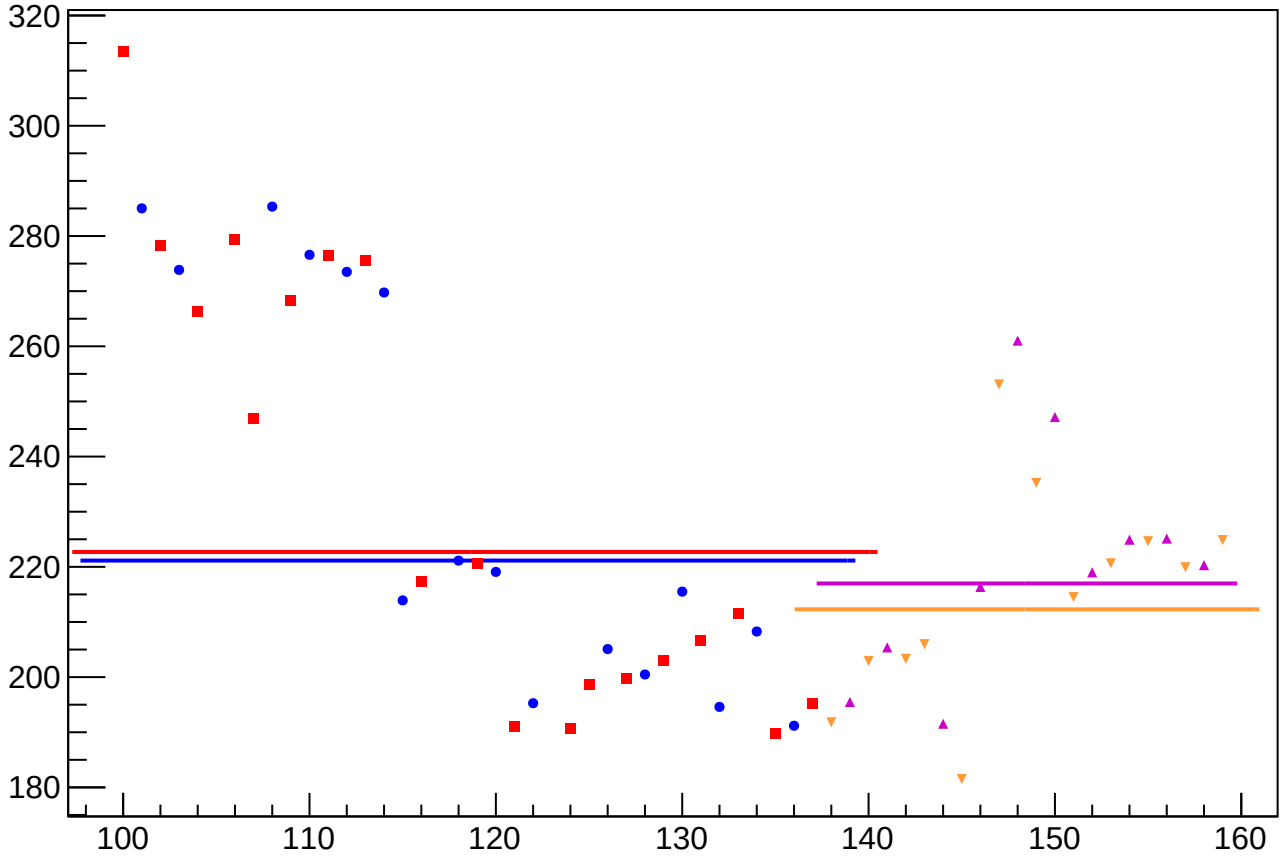
Left In: 267.681+/-73.868 χ^2/NDF:7.9/9

\+ sign -48.264+/-53.088 χ^2/NDF: 42.1/27

All: 29.021+/-38.212 χ^2/NDF: 85.9/56

\- sign 112.111+/-55.046 χ^2/NDF: 39.5/28

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

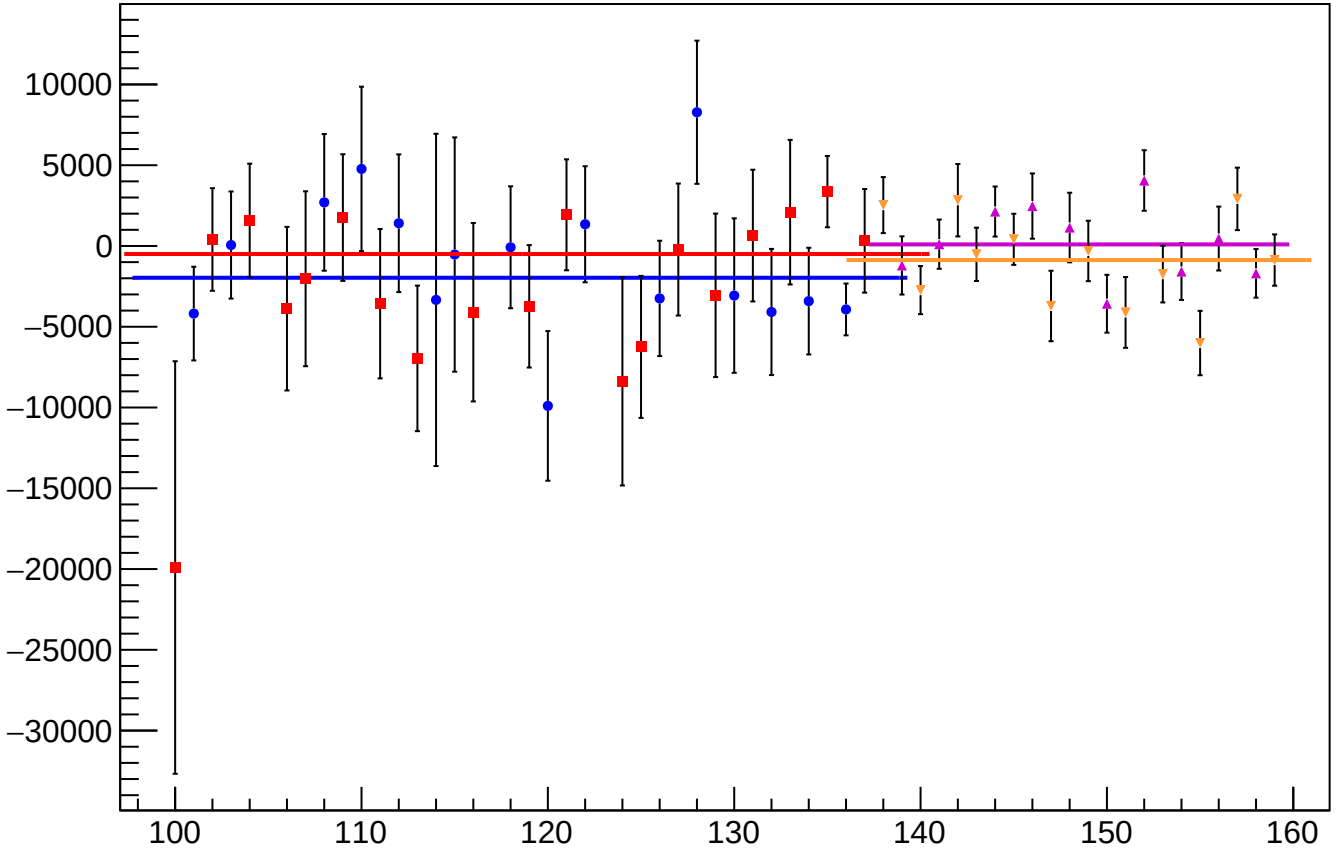
Left In: 216.982+/-0.052 χ^2/NDF:137207.0/9

+ sign 215.902+/-0.038 χ^2/NDF: 477043.1/27

All: 217.647+/-0.027 χ^2/NDF: 951091.5/56

- sign 219.524+/-0.039 χ^2/NDF: 469563.1/28

asym_sam_26_dd_dit_correction_mean vs Slug



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

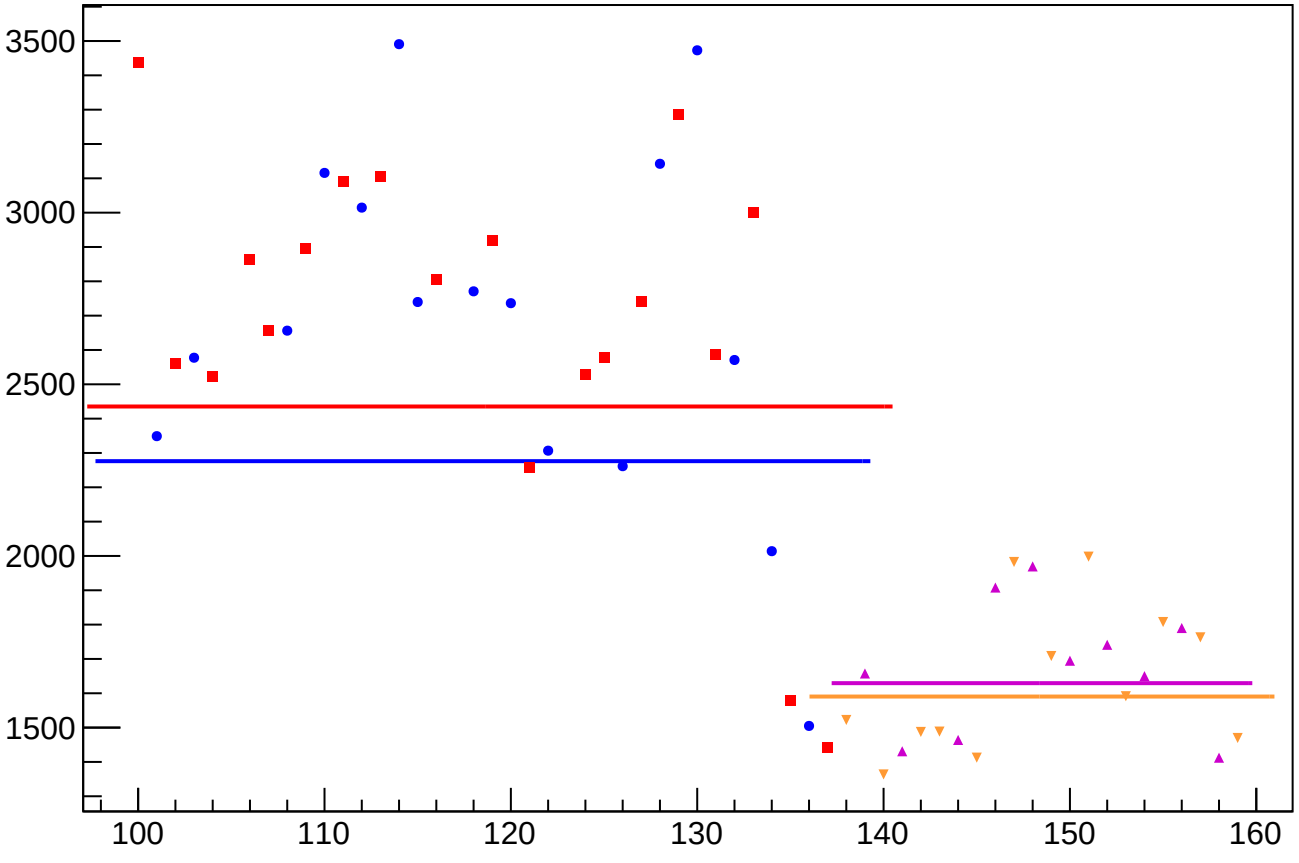
Left In: 97.166+/-556.243 χ^2/NDF:14.9/9

+ sign -1157.881+/-447.397 χ^2/NDF: 40.9/27

All: -643.631+/-325.767 χ^2/NDF: 73.6/56

- sign -63.301+/-475.273 χ^2/NDF: 30.0/28

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

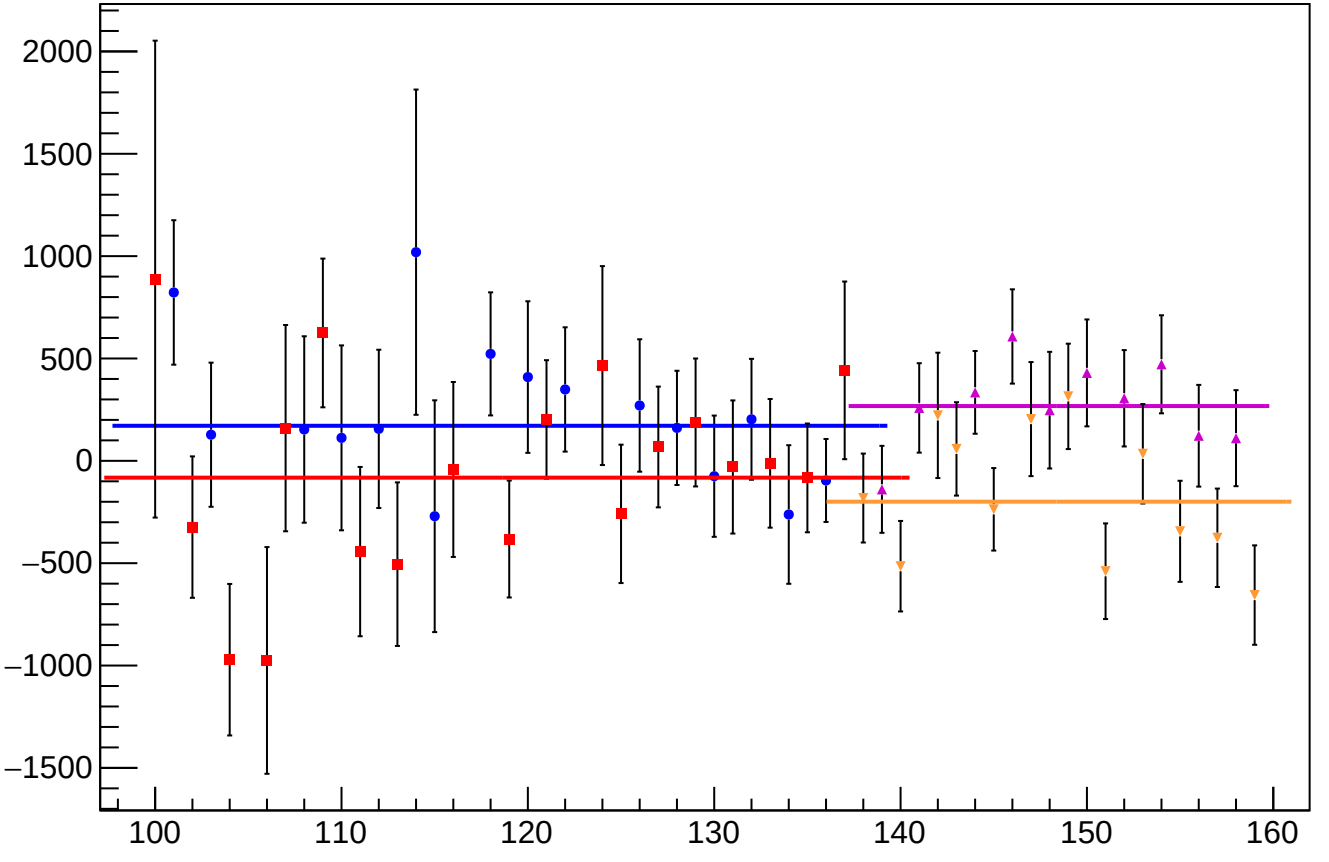
Left In: 1629.450+/-0.393 χ^2/NDF:209974.1/9

+ sign 1769.062+/-0.316 χ^2/NDF: 2111544.3/27

All: 1805.678+/-0.230 χ^2/NDF: 4274834.5/56

- sign 1846.999+/-0.336 χ^2/NDF: 2134776.5/28

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

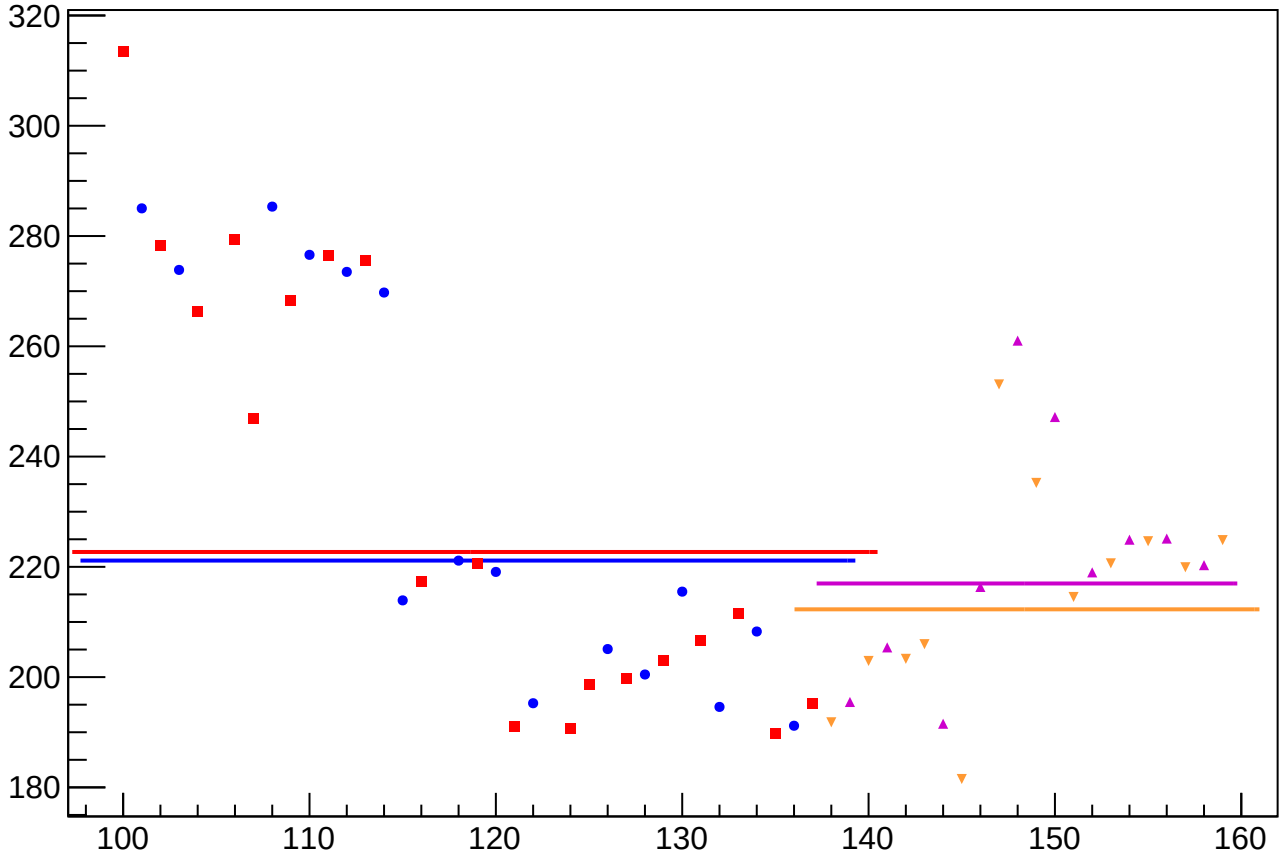
Left In: 267.682+/-73.868 χ^2/NDF:7.9/9

\+ sign -48.262+/-53.088 χ^2/NDF: 42.1/27

All: 29.022+/-38.212 χ^2/NDF: 85.9/56

\- sign 112.112+/-55.046 χ^2/NDF: 39.5/28

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

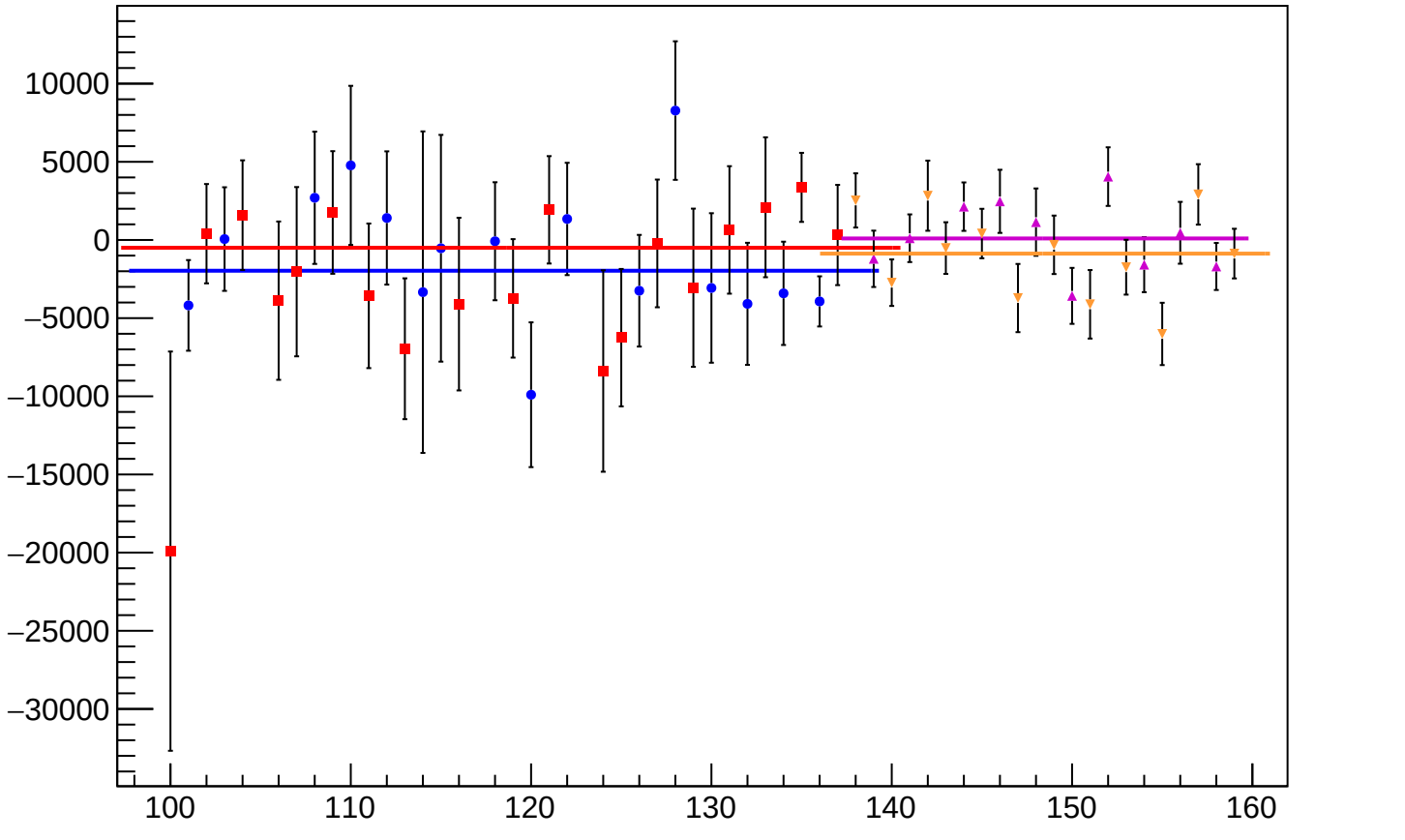
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.982+/-0.052 χ^2/NDF:137209.0/9

+ sign 215.902+/-0.038 χ^2/NDF: 477038.6/27

All: 217.647+/-0.027 χ^2/NDF: 951080.7/56

- sign 219.523+/-0.039 χ^2/NDF: 469556.7/28



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

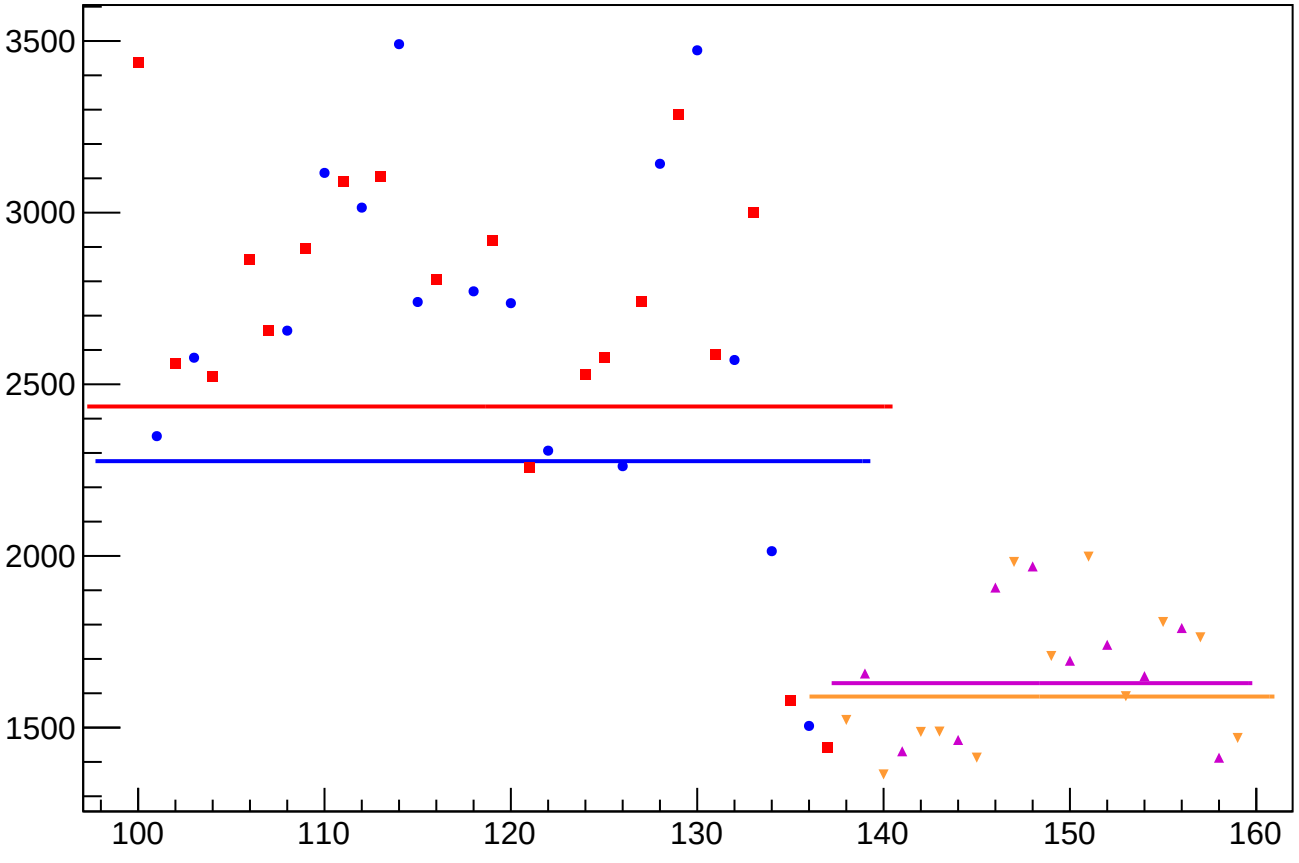
Left In: 97.165+/-556.243 χ^2/NDF:14.9/9

+ sign -1157.880+/-447.397 χ^2/NDF: 40.9/27

All: -643.630+/-325.767 χ^2/NDF: 73.6/56

- sign -63.303+/-475.273 χ^2/NDF: 30.0/28

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



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

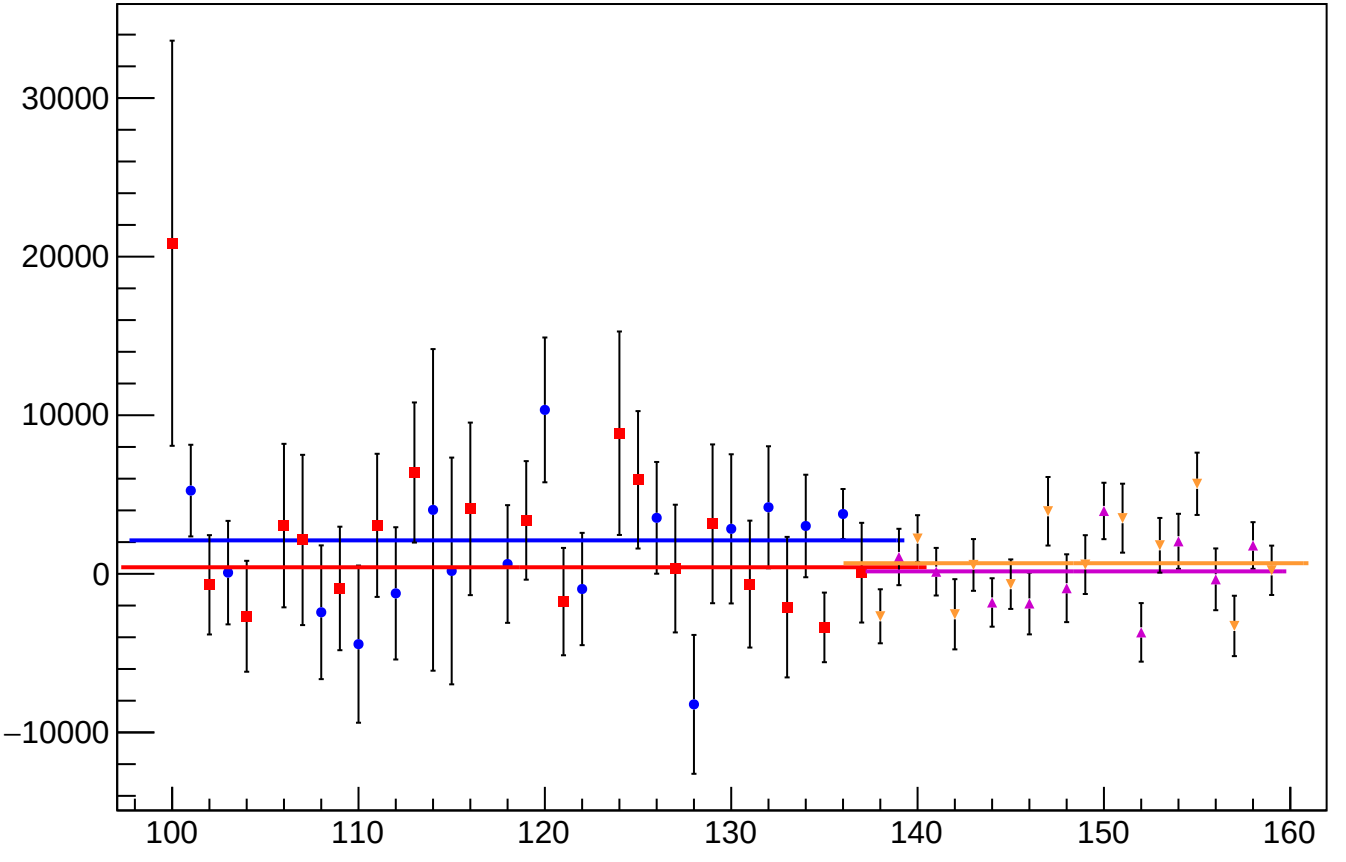
Left In: 1629.450+/-0.393 χ^2/NDF:209975.6/9

+ sign 1769.061+/-0.316 χ^2/NDF: 2111534.8/27

All: 1805.677+/-0.230 χ^2/NDF: 4274814.3/56

- sign 1846.998+/-0.336 χ^2/NDF: 2134765.7/28

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

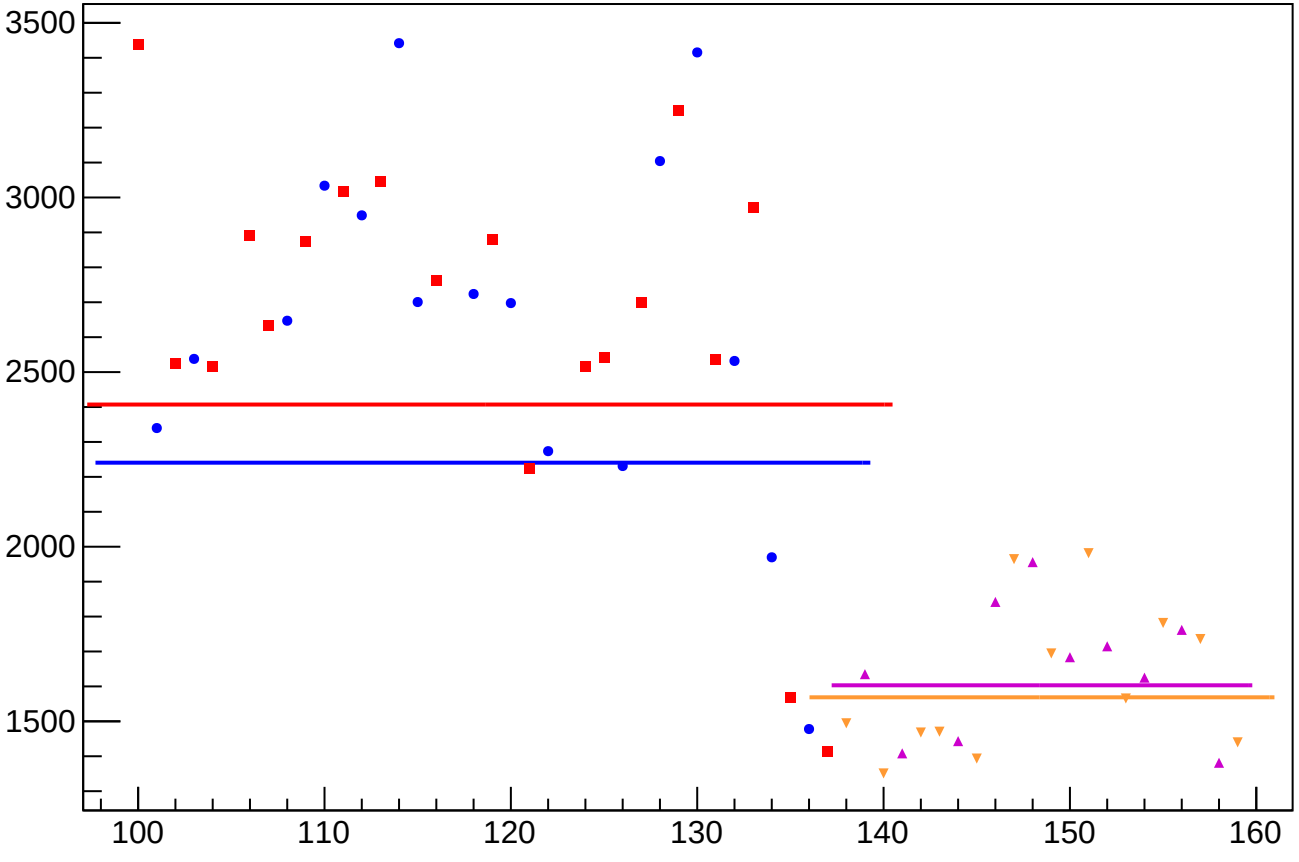
Left In: 154.719+/-547.339 χ^2/NDF:14.6/9

+ sign 1045.314+/-441.231 χ^2/NDF: 41.8/27

All: 659.166+/-321.129 χ^2/NDF: 72.8/56

- sign 224.250+/-468.265 χ^2/NDF: 29.4/28

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

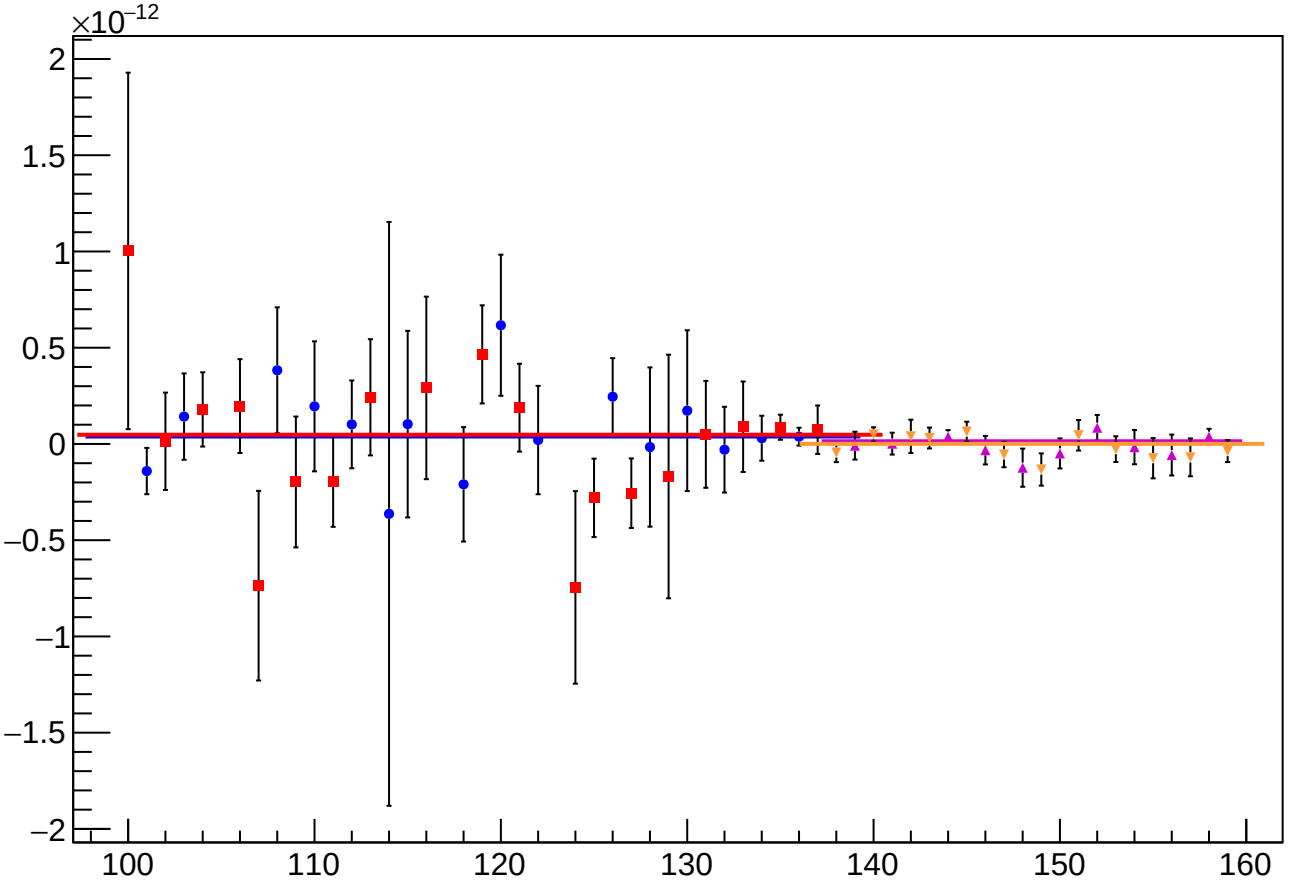
Left In: 1603.185+/-0.387 χ^2/NDF:211111.9/9

+ sign 1744.281+/-0.312 χ^2/NDF: 2113466.3/27

All: 1779.279+/-0.227 χ^2/NDF: 4296984.2/56

- sign 1818.697+/-0.331 χ^2/NDF: 2156762.2/28

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

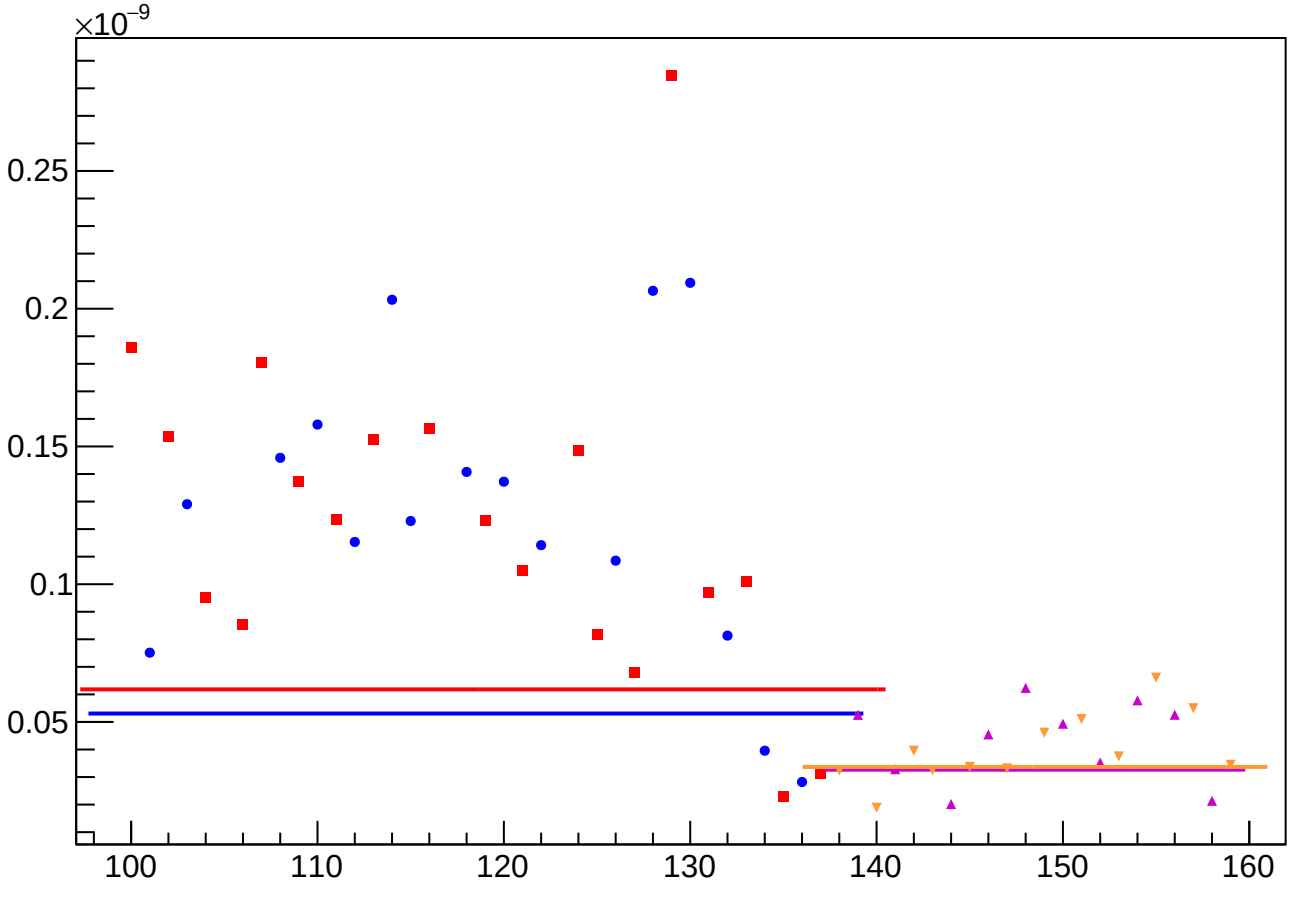
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 19.0/27

All: 0.000+/-0.000 χ^2/NDF: 43.7/56

- sign 0.000+/-0.000 χ^2/NDF: 24.4/28



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

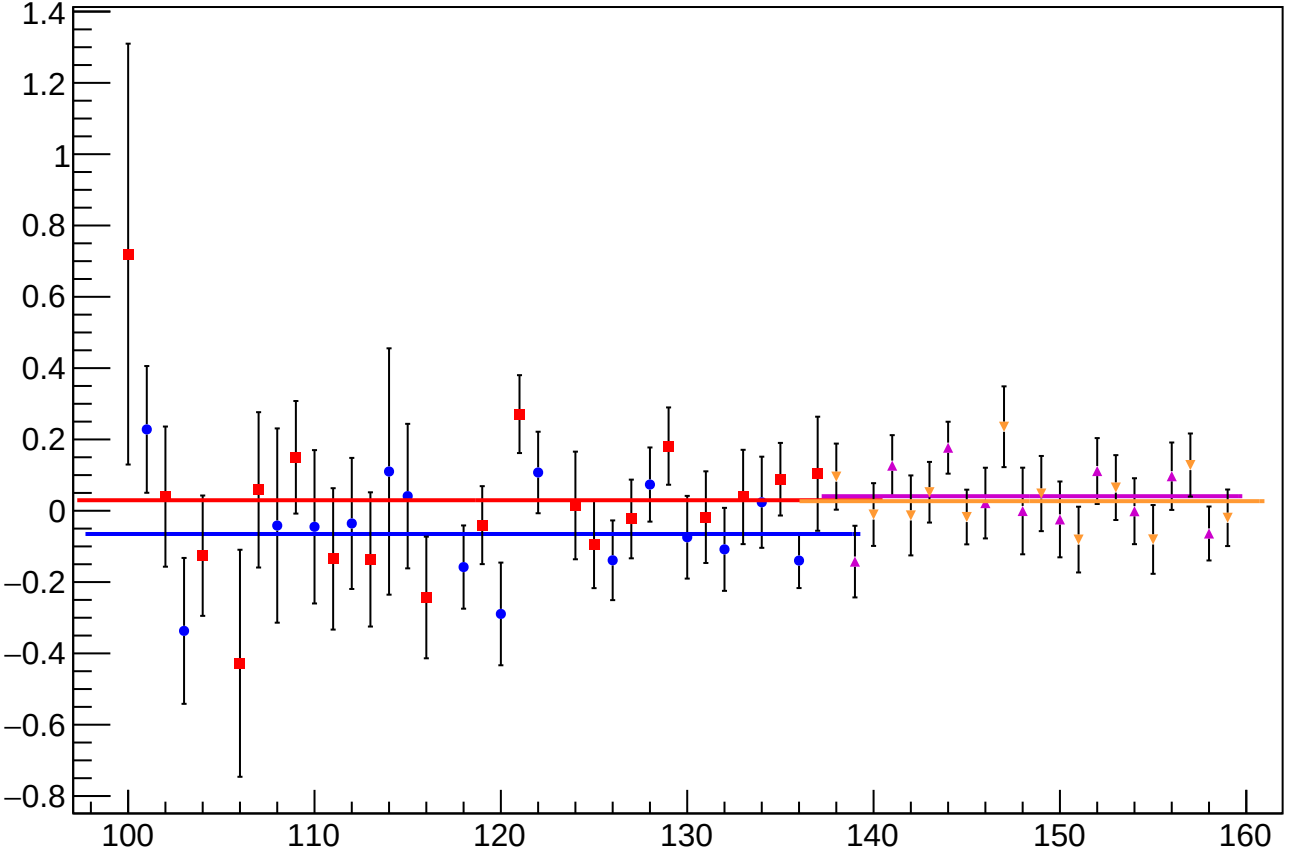
Left In: 0.000+/-0.000 χ^2/NDF:1136397.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3793968.0/27

All: 0.000+/-0.000 χ^2/NDF: 8108576.1/56

- sign 0.000+/-0.000 χ^2/NDF: 4314575.8/28

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

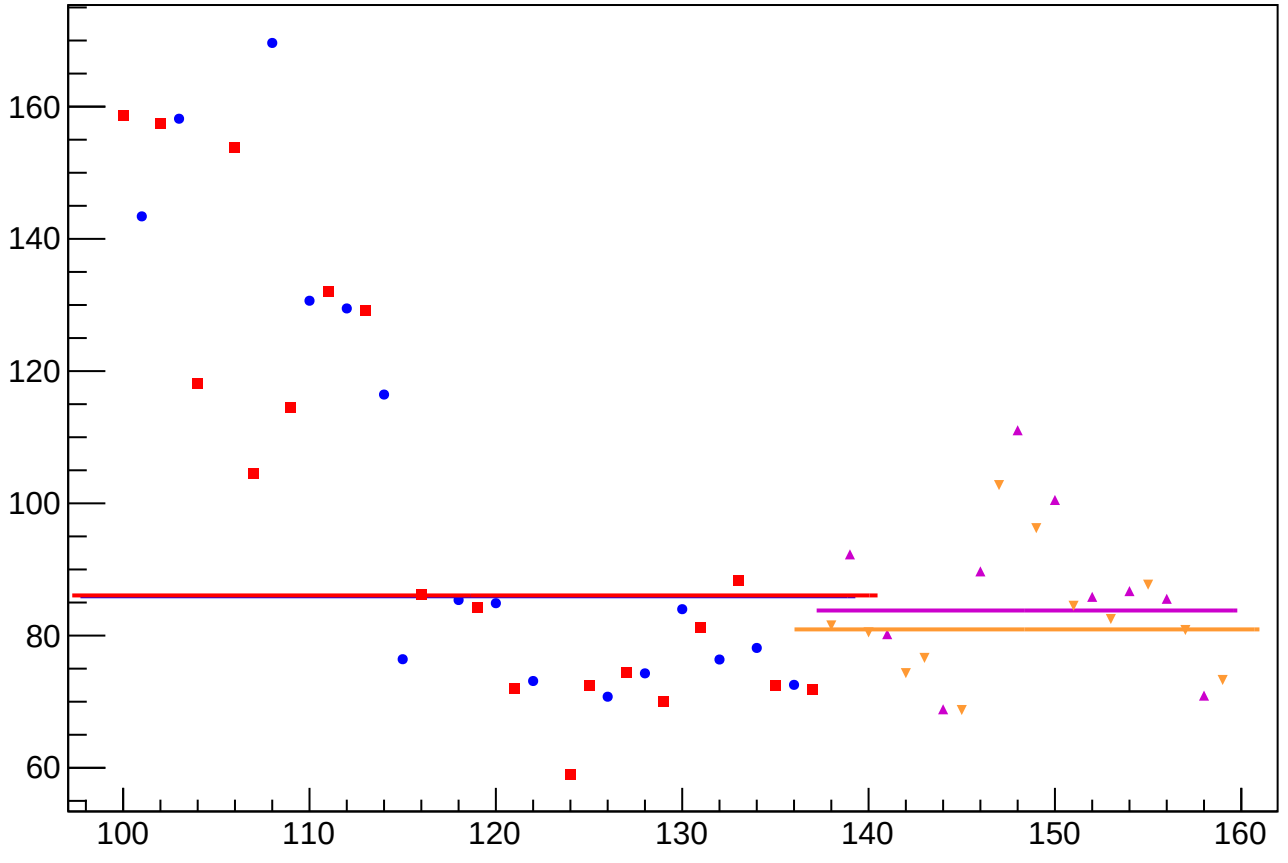
Left In: 0.041+/-0.029 χ^2/NDF:11.4/9

+ sign -0.009+/-0.021 χ^2/NDF: 28.0/27

All: 0.013+/-0.015 χ^2/NDF: 59.8/56

- sign 0.036+/-0.022 χ^2/NDF: 29.6/28

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

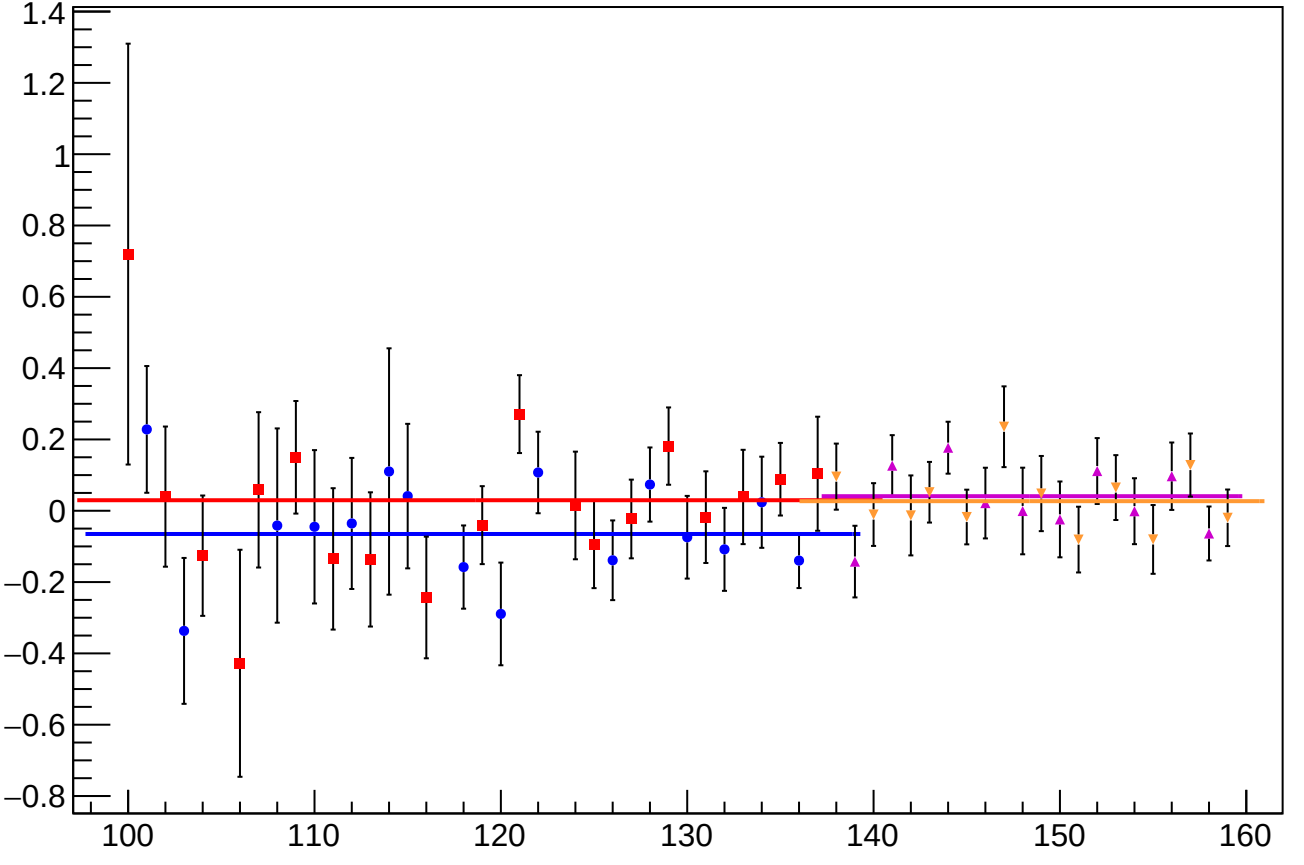
Left In: 83.794+/-0.020 χ^2/NDF:320920.7/9

\+ sign 82.869+/-0.015 χ^2/NDF: 1274095.7/27

All: 83.780+/-0.011 χ^2/NDF: 2599938.1/56

\- sign 84.782+/-0.015 χ^2/NDF: 1317706.4/28

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

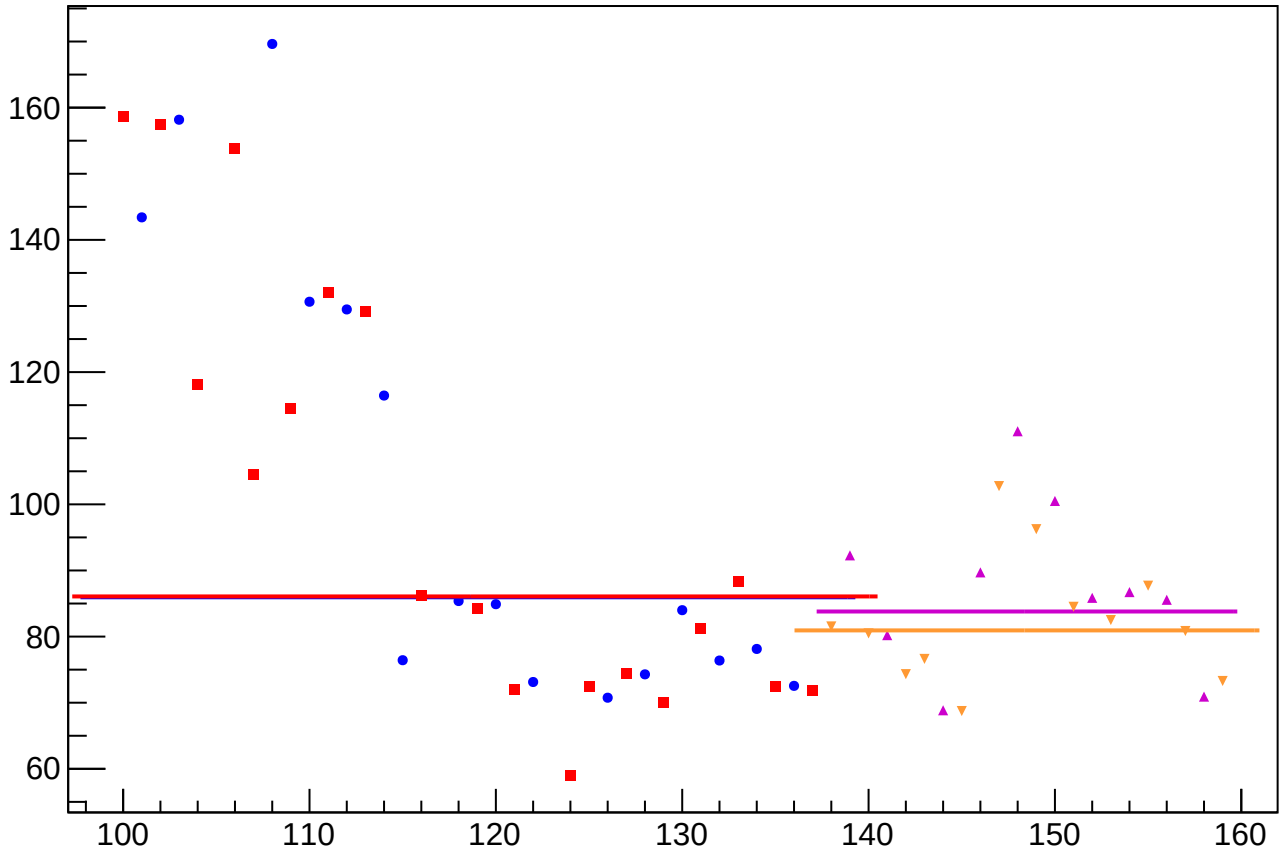
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.041+/-0.029 χ^2/NDF:11.4/9

+ sign -0.009+/-0.021 χ^2/NDF: 28.0/27

All: 0.013+/-0.015 χ^2/NDF: 59.8/56

- sign 0.036+/-0.022 χ^2/NDF: 29.6/28



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 80.935+/-0.019 χ^2/NDF:211305.8/11

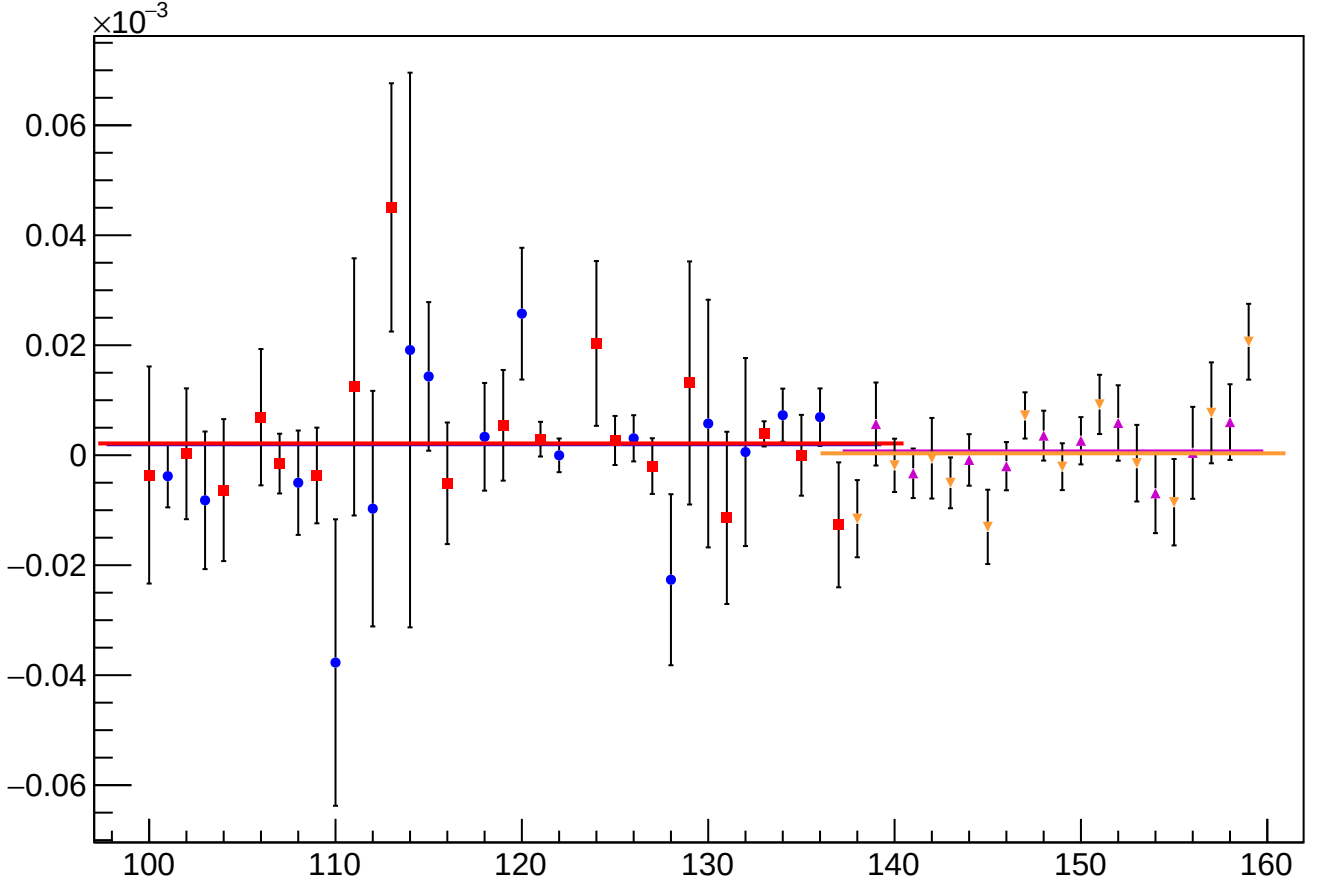
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.794+/-0.020 χ^2/NDF:320920.7/9

\+ sign 82.869+/-0.015 χ^2/NDF: 1274095.7/27

All: 83.780+/-0.011 χ^2/NDF: 2599938.1/56

\- sign 84.782+/-0.015 χ^2/NDF: 1317706.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/11

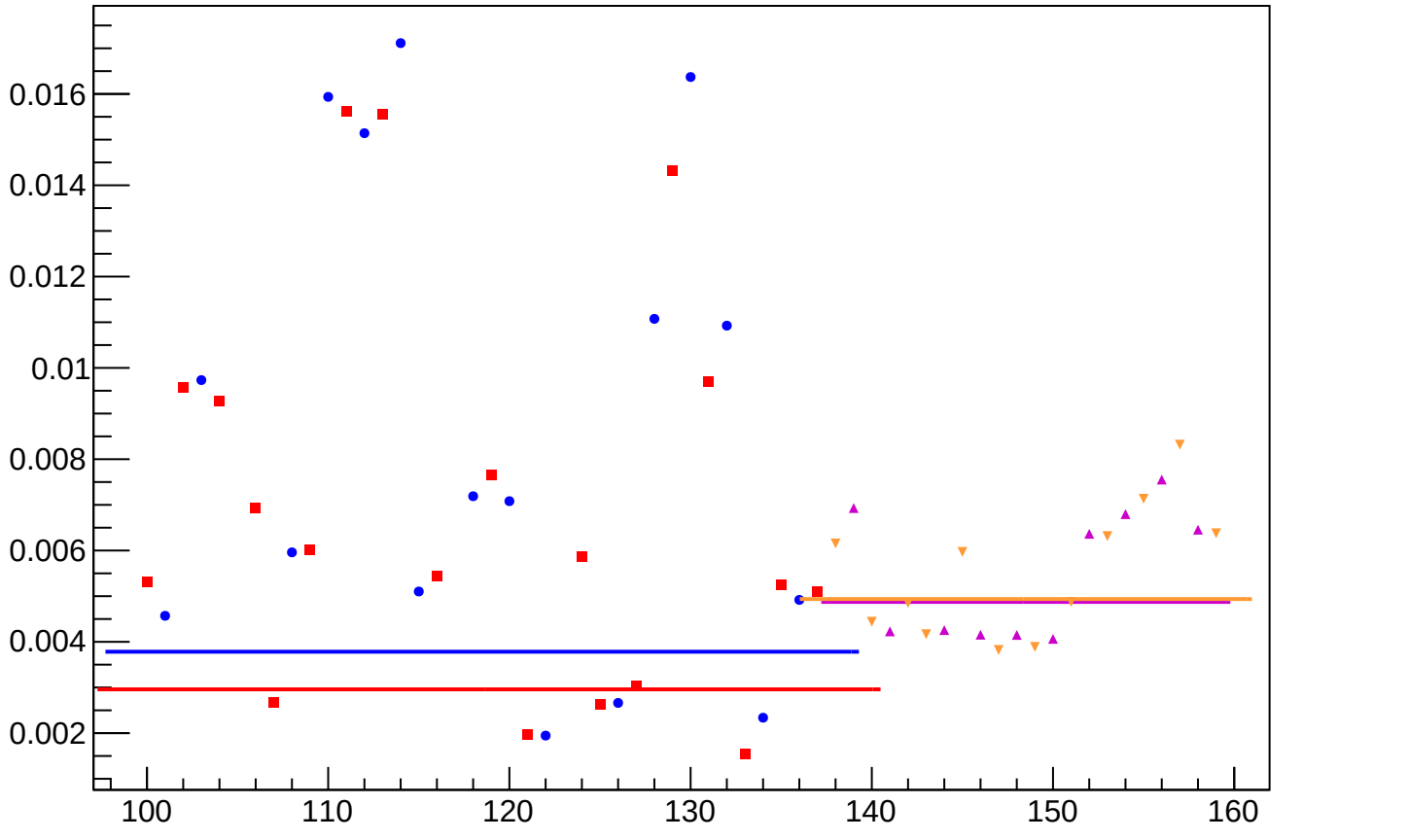
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/27

All: 0.000+/-0.000 χ^2/NDF: 56.7/56

- sign 0.000+/-0.000 χ^2/NDF: 16.5/28



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1039286.6/11

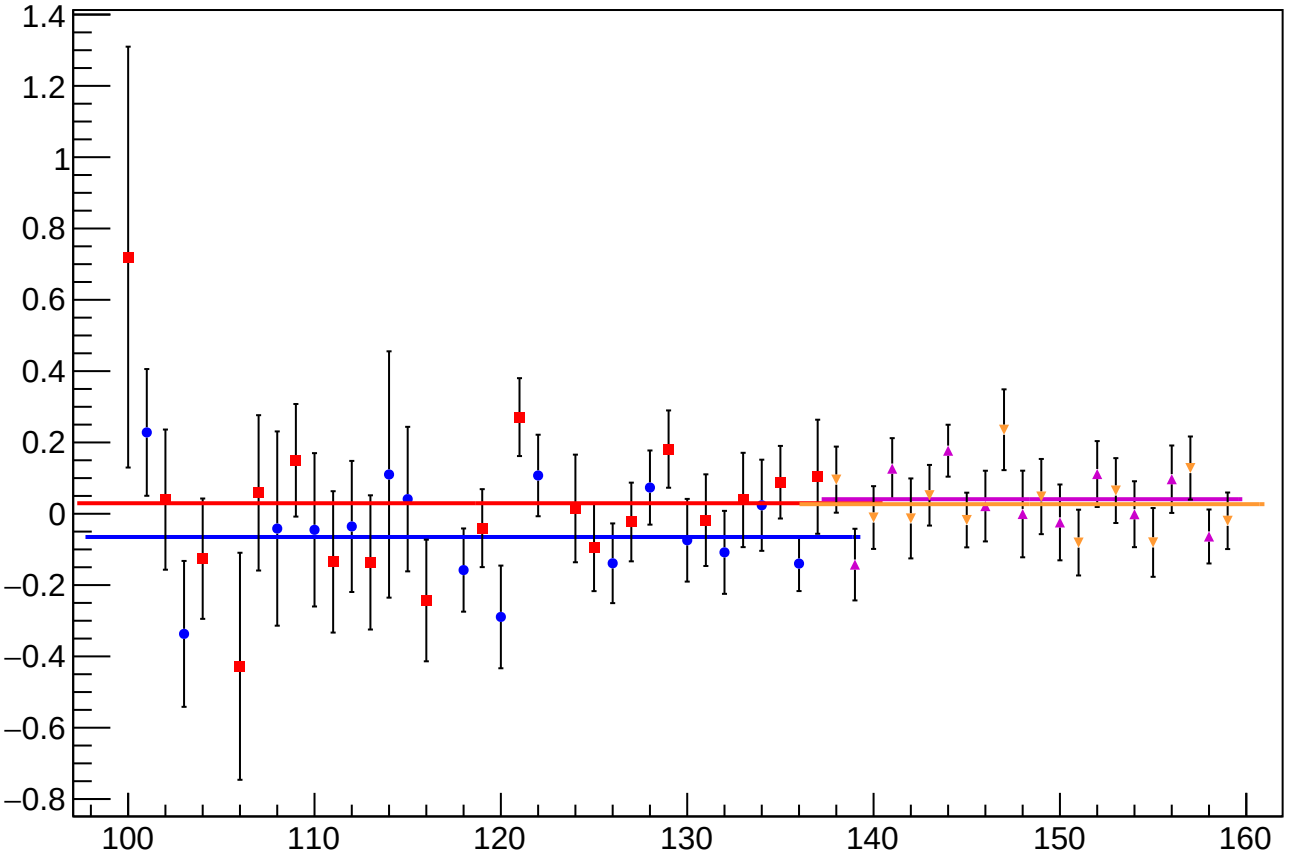
Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:946228.2/9

+ sign 0.004+/-0.000 χ^2/NDF: 6193542.2/27

All: 0.004+/-0.000 χ^2/NDF: 14524801.7/56

- sign 0.004+/-0.000 χ^2/NDF: 7996769.6/28



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.027+/-0.026 χ^2/NDF:9.2/11

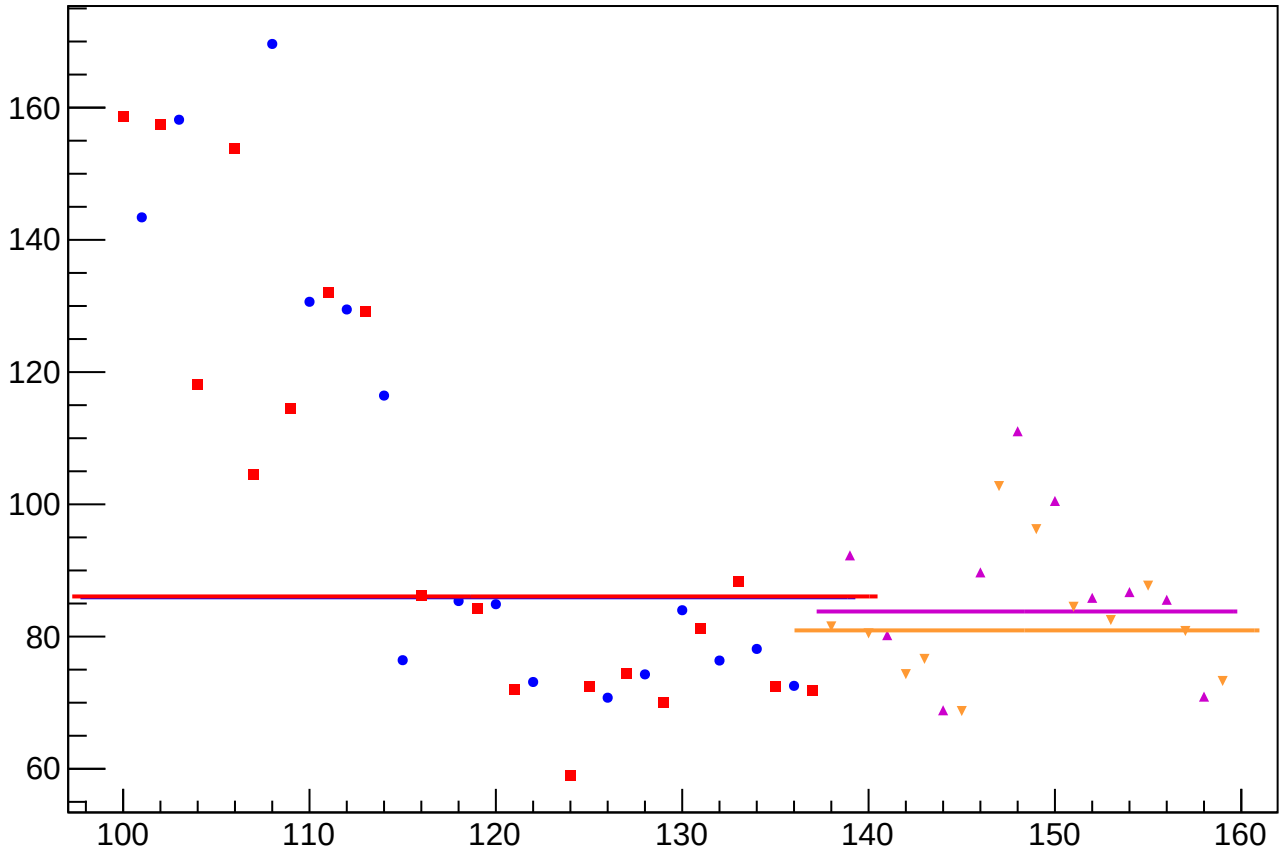
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.041+/-0.029 χ^2/NDF:11.4/9

+ sign -0.009+/-0.021 χ^2/NDF: 28.0/27

All: 0.013+/-0.015 χ^2/NDF: 59.8/56

- sign 0.036+/-0.022 χ^2/NDF: 29.6/28



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.935+/-0.019 χ^2/NDF:211341.5/11

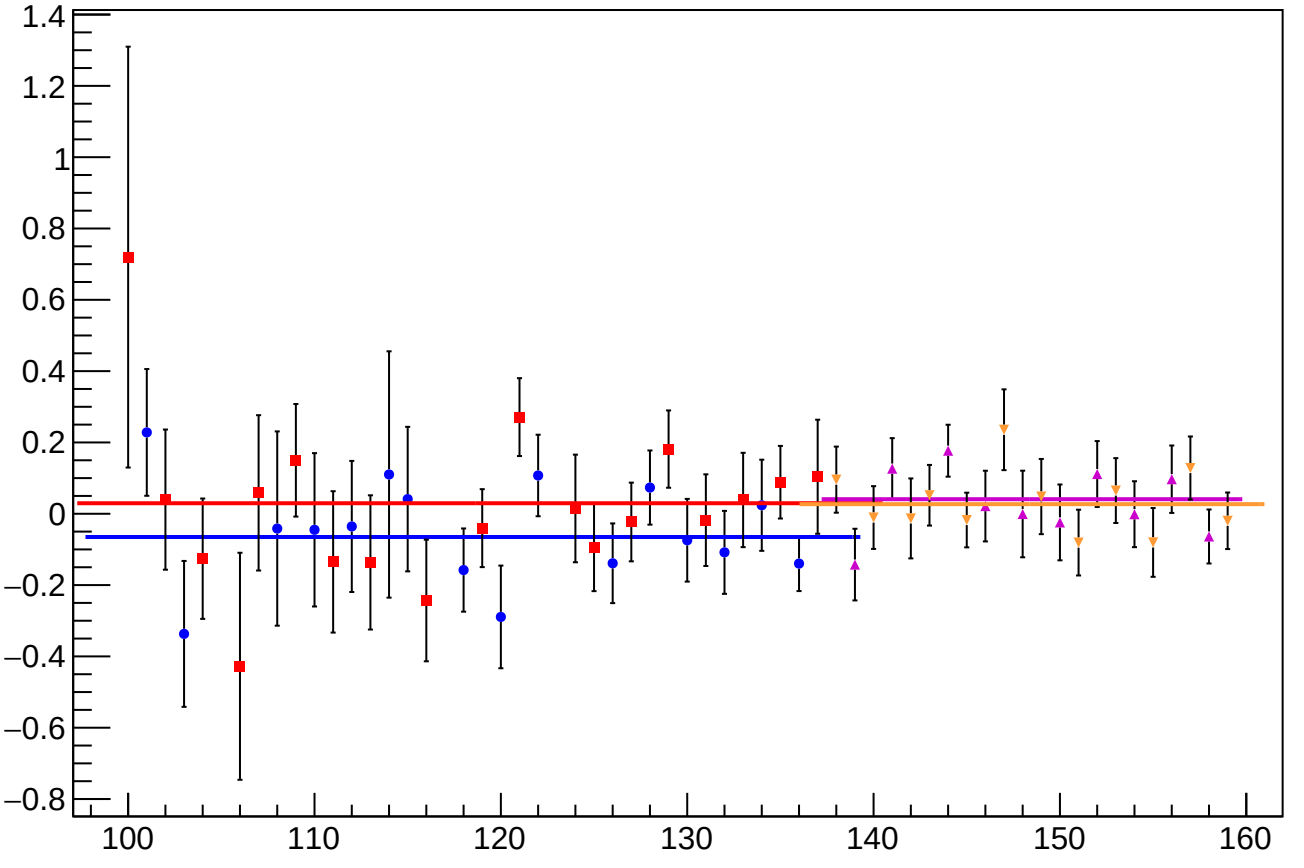
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.794+/-0.020 χ^2/NDF:320944.8/9

\+ sign 82.868+/-0.015 χ^2/NDF: 1274092.4/27

All: 83.779+/-0.011 χ^2/NDF: 2599945.4/56

\- sign 84.780+/-0.015 χ^2/NDF: 1317717.0/28



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.027+/-0.026 χ^2/NDF:9.2/11

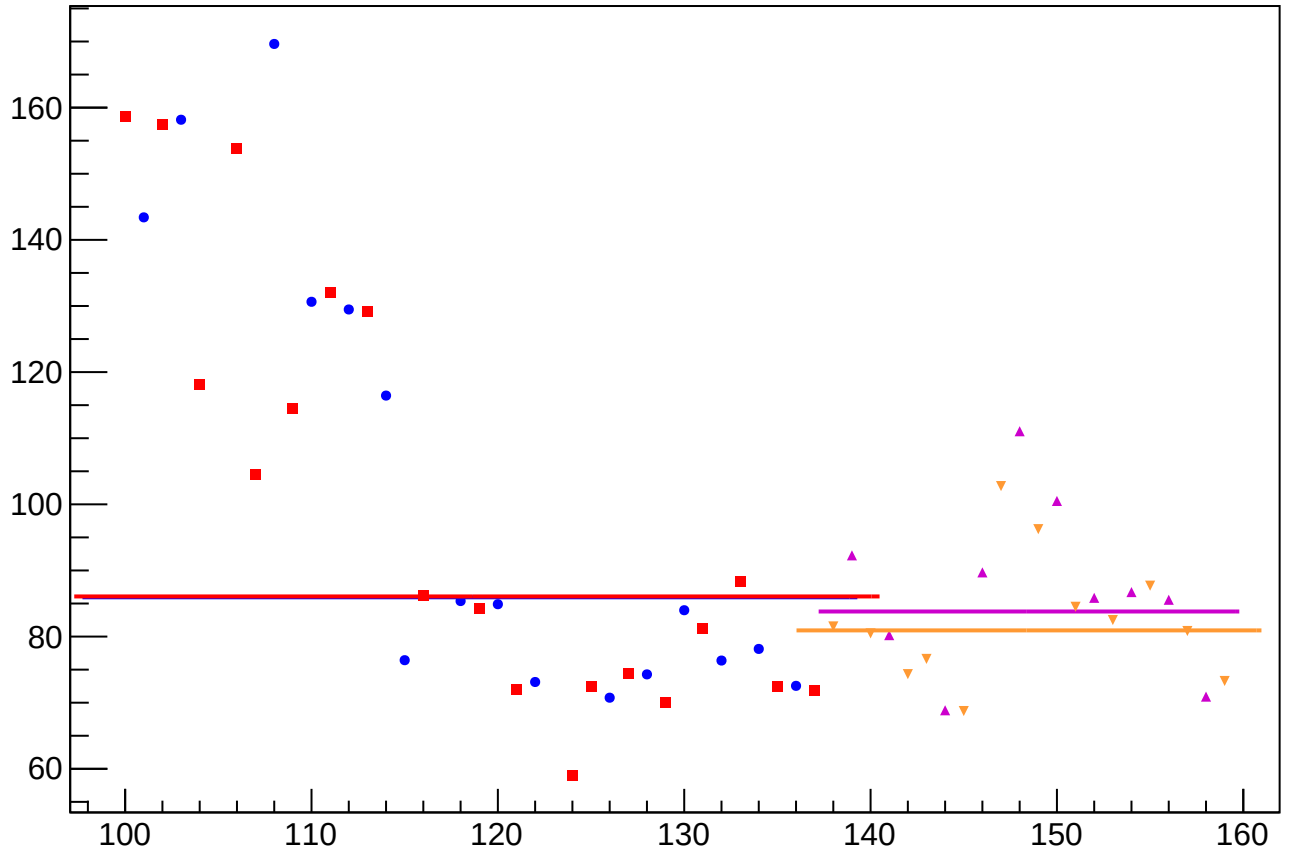
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.041+/-0.029 χ^2/NDF:11.4/9

+ sign -0.009+/-0.021 χ^2/NDF: 28.0/27

All: 0.013+/-0.015 χ^2/NDF: 59.8/56

- sign 0.036+/-0.022 χ^2/NDF: 29.6/28



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.935+/-0.019 χ^2/NDF:211341.5/11

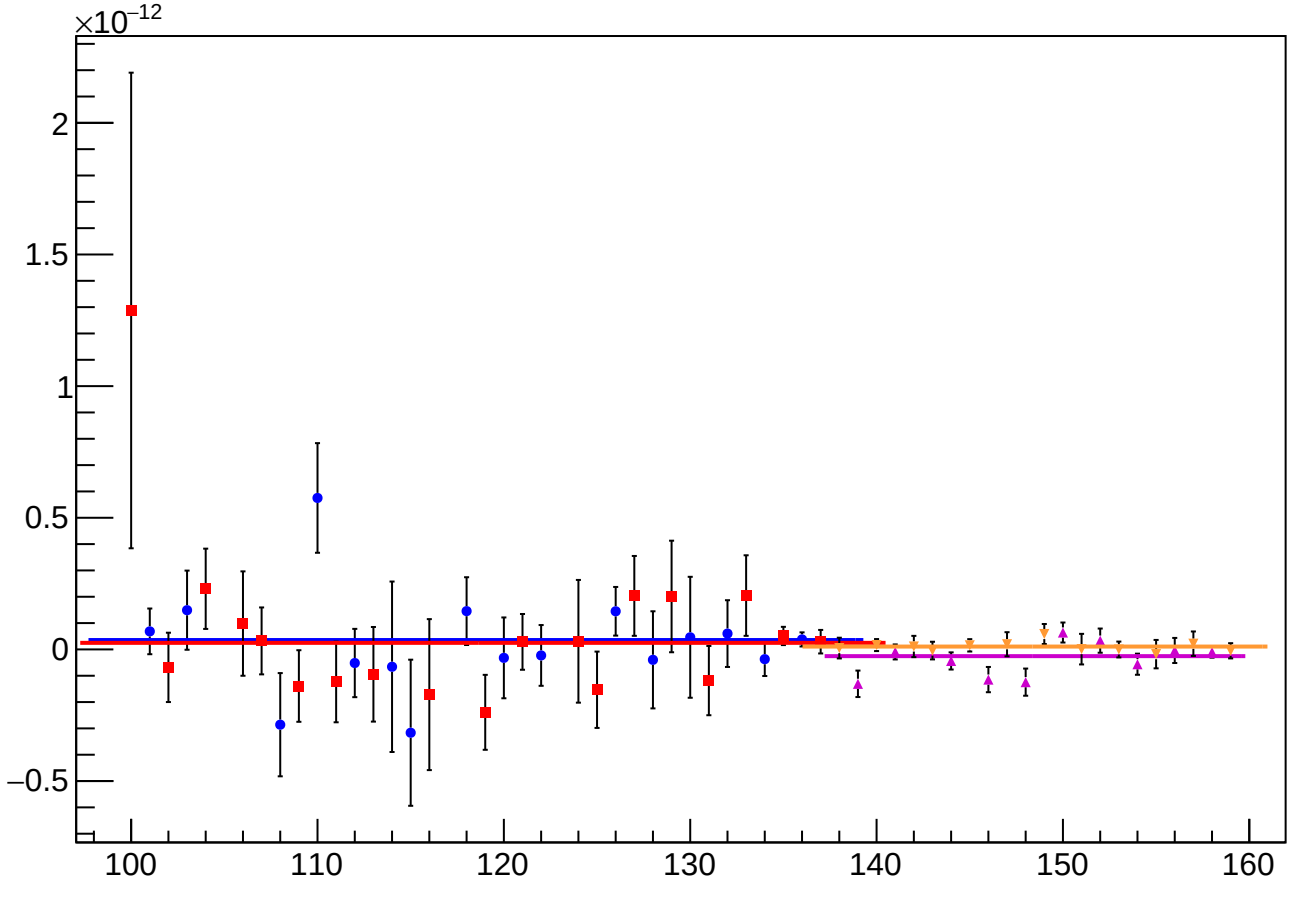
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.794+/-0.020 χ^2/NDF:320944.8/9

\+ sign 82.868+/-0.015 χ^2/NDF: 1274092.4/27

All: 83.779+/-0.011 χ^2/NDF: 2599945.4/56

\- sign 84.780+/-0.015 χ^2/NDF: 1317717.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/11

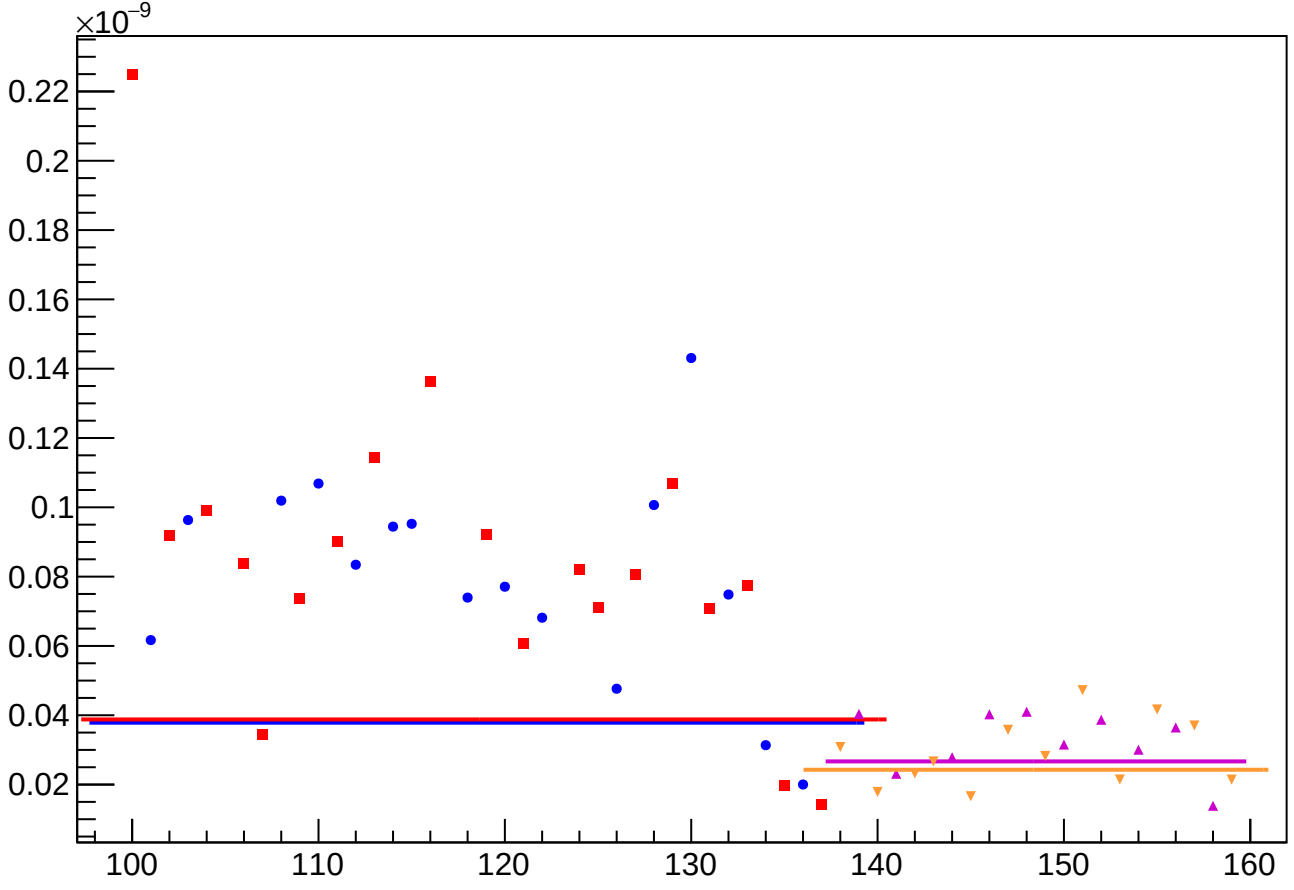
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:20.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 20.3/27

All: 0.000+/-0.000 χ^2/NDF: 68.2/56

- sign -0.000+/-0.000 χ^2/NDF: 42.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1293177.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

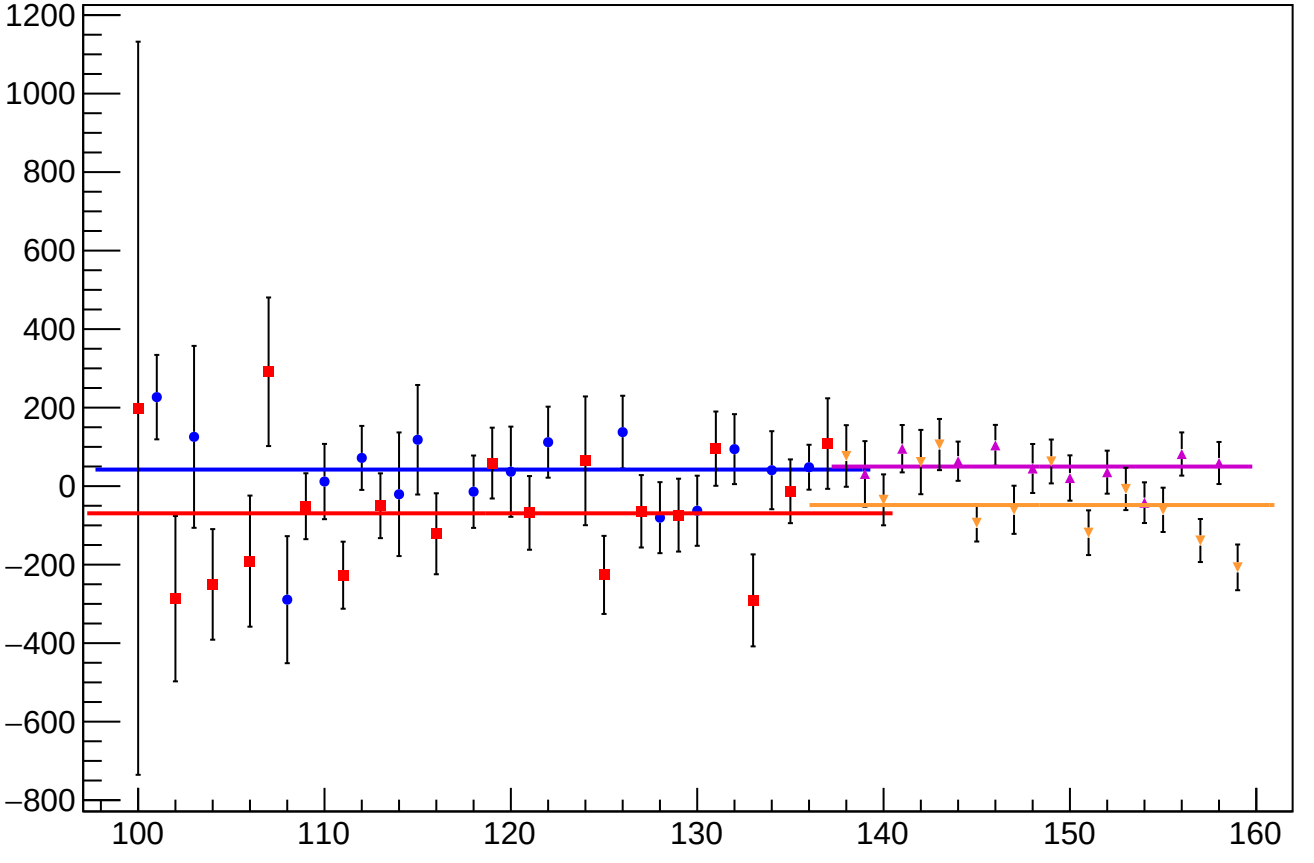
Left In: 0.000+/-0.000 χ^2/NDF:1507947.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 5457971.4/27

All: 0.000+/-0.000 χ^2/NDF: 11625380.7/56

- sign 0.000+/-0.000 χ^2/NDF: 6102906.6/28

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

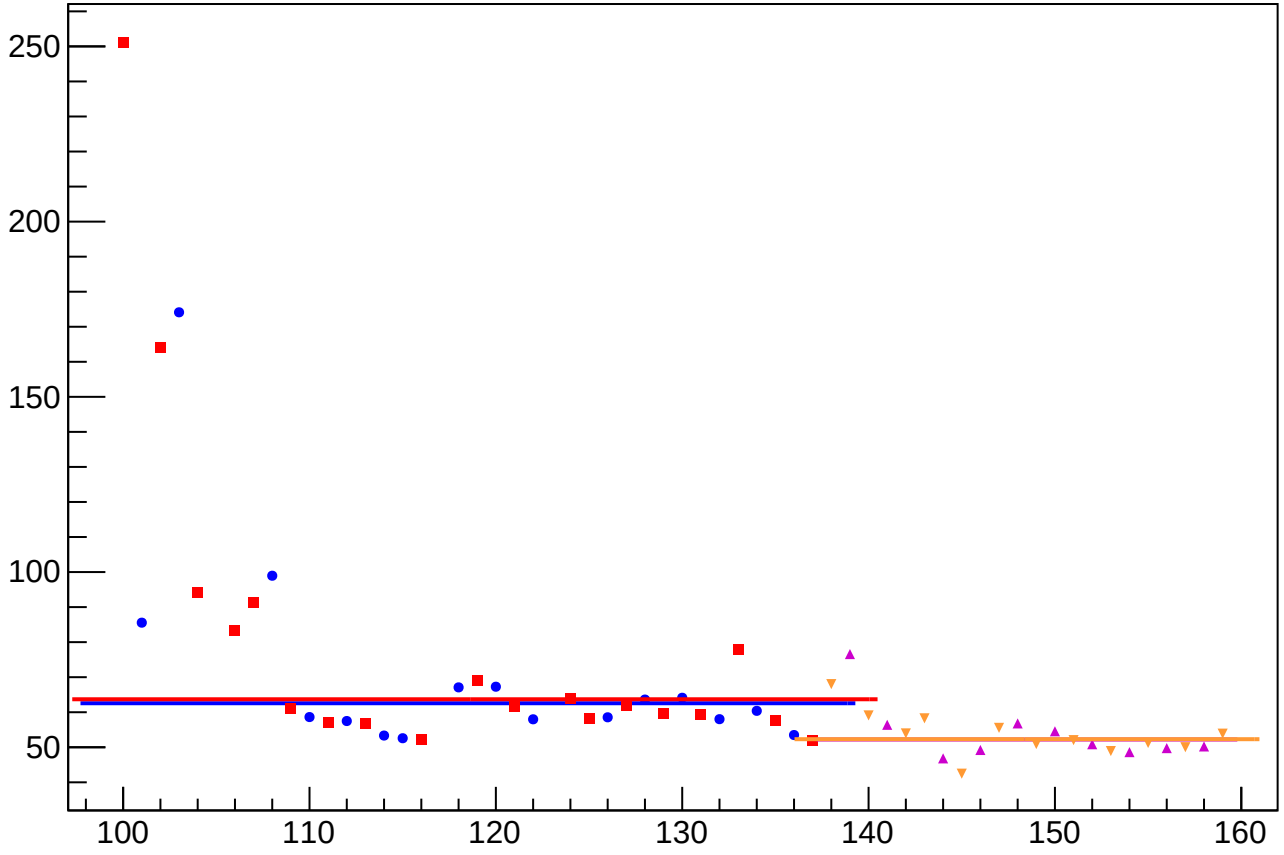
Left In: 49.843+/-17.883 χ^2/NDF:5.6/9

+ sign -17.984+/-13.987 χ^2/NDF: 50.0/27

All: -5.265+/-10.042 χ^2/NDF: 98.2/56

- sign 8.268+/-14.427 χ^2/NDF: 46.5/28

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

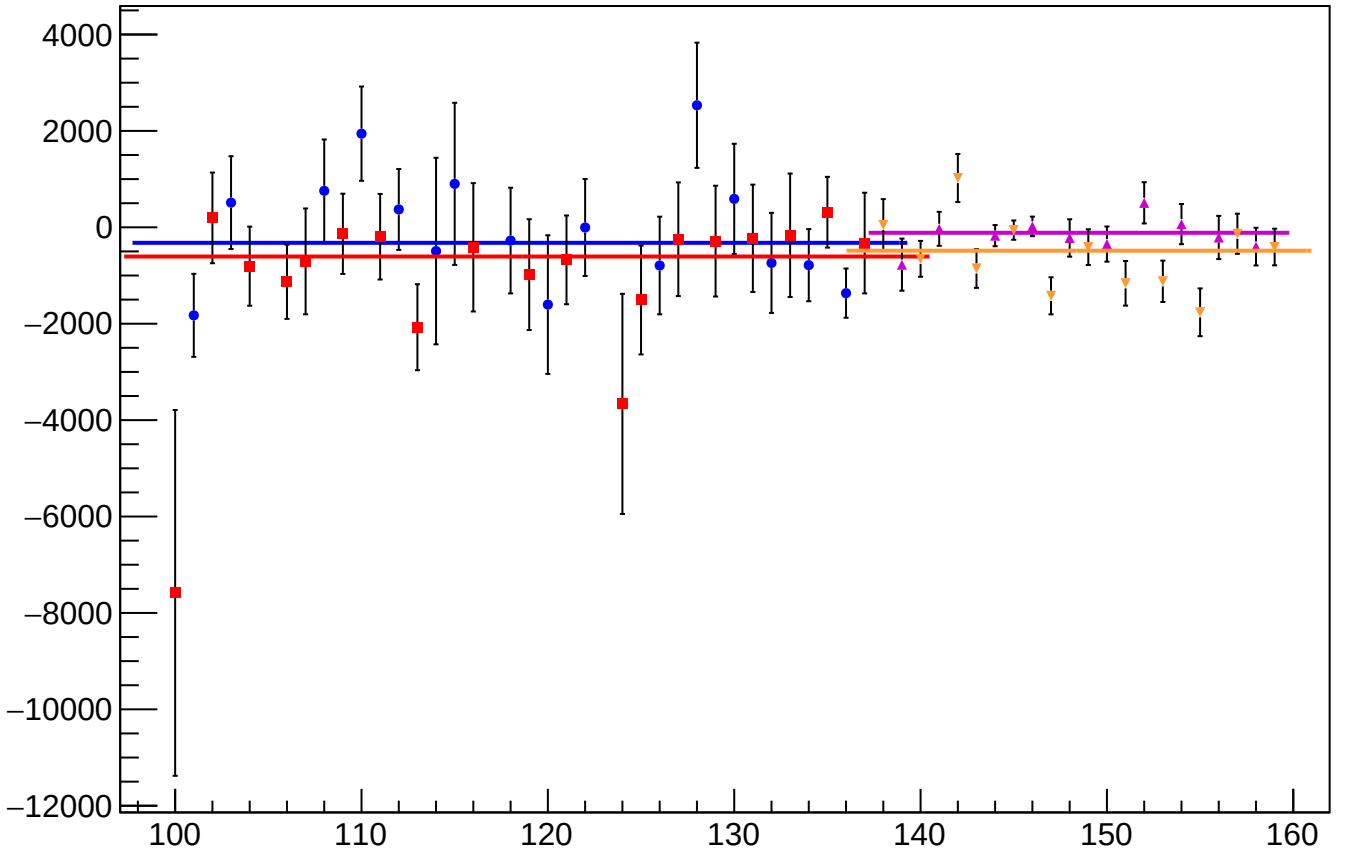
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

+ sign 55.731+/-0.010 χ^2/NDF: 1223481.8/27

All: 55.969+/-0.007 χ^2/NDF: 2588616.7/56

- sign 56.223+/-0.010 χ^2/NDF: 1363937.3/28



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

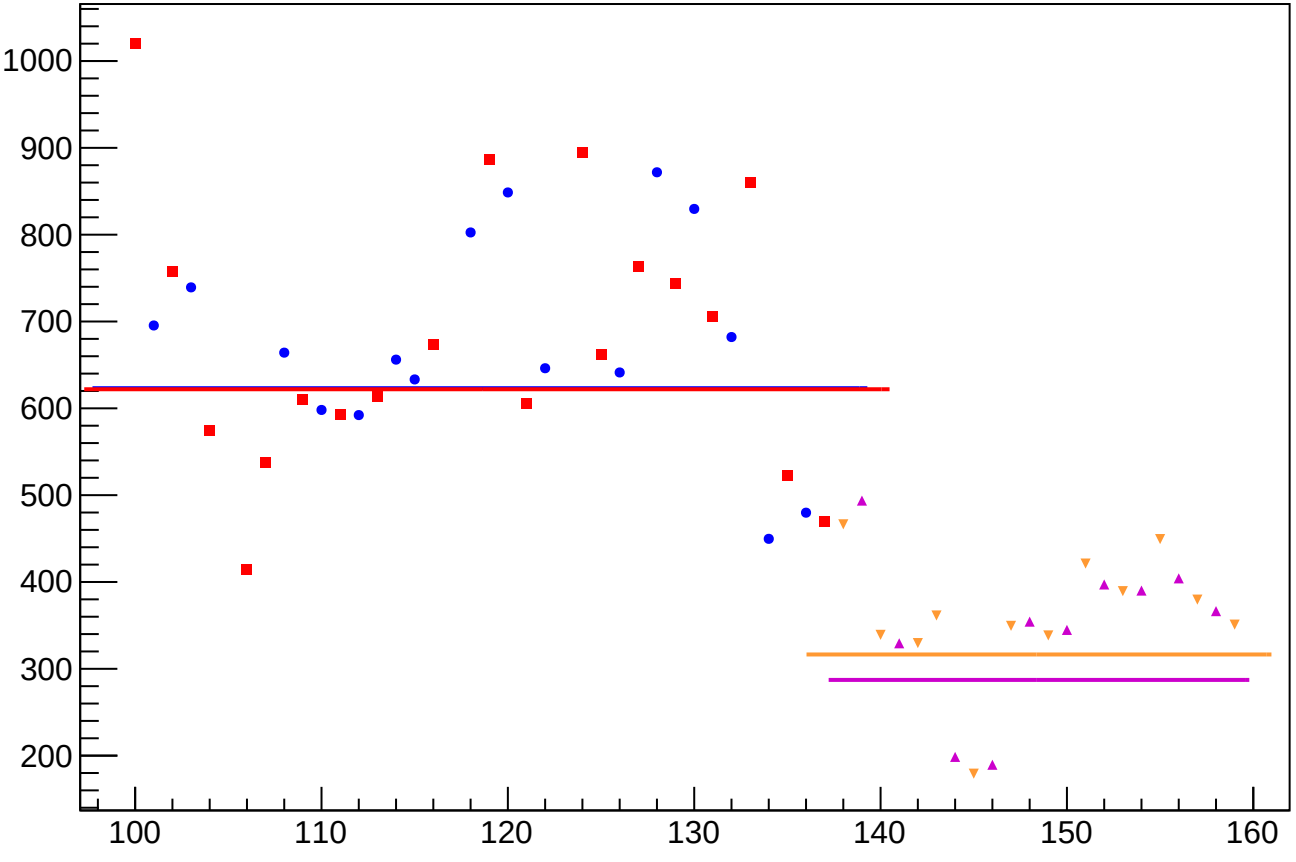
Left In: -113.406+/-103.435 χ^2/NDF:5.4/9

+ sign -457.293+/-97.941 χ^2/NDF: 56.5/27

All: -321.106+/-68.036 χ^2/NDF: 81.9/56

- sign -194.104+/-94.581 χ^2/NDF: 21.6/28

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

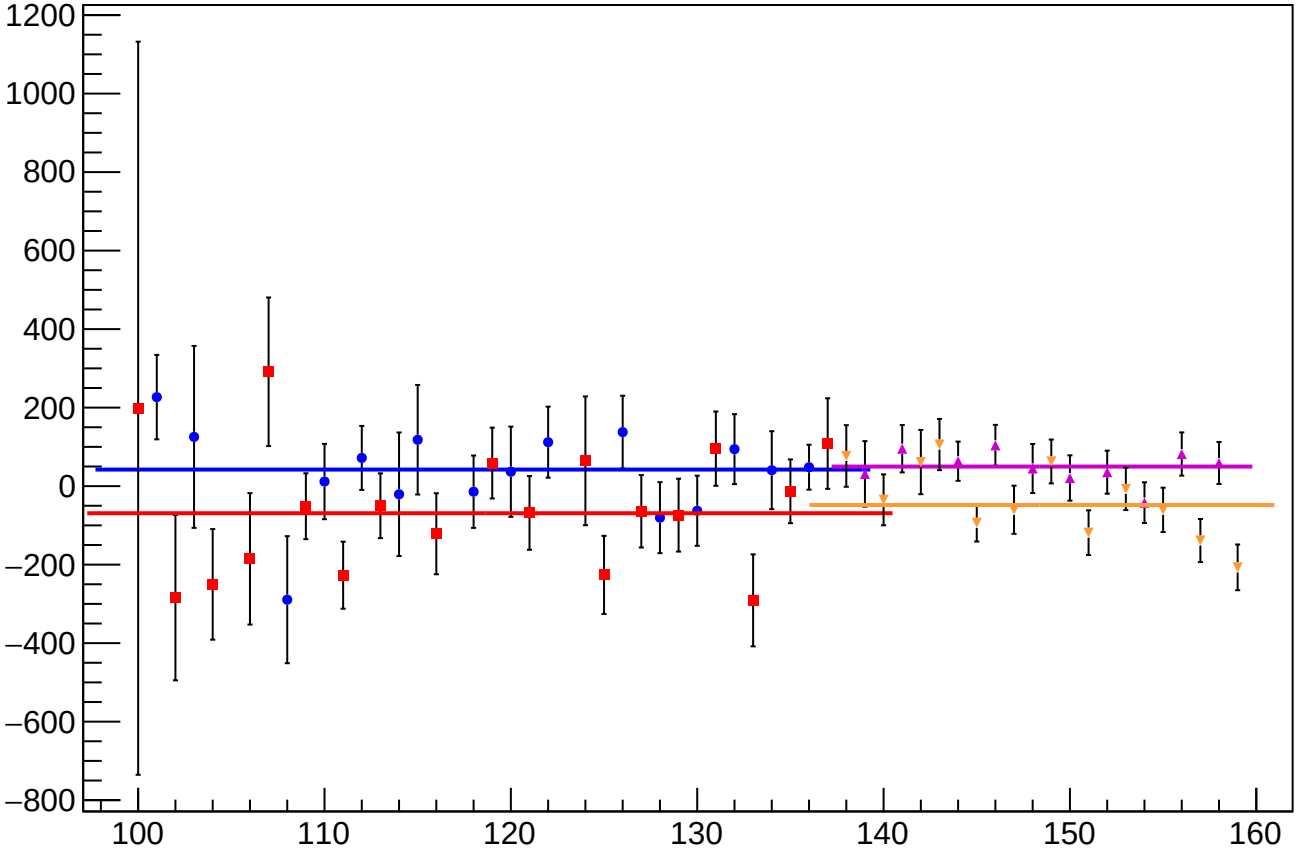
Left In: 287.218+/-0.073 χ^2/NDF:1693529.3/9

+ sign 368.238+/-0.069 χ^2/NDF: 4831135.4/27

All: 354.700+/-0.048 χ^2/NDF: 10613980.2/56

- sign 342.074+/-0.067 χ^2/NDF: 5708992.2/28

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

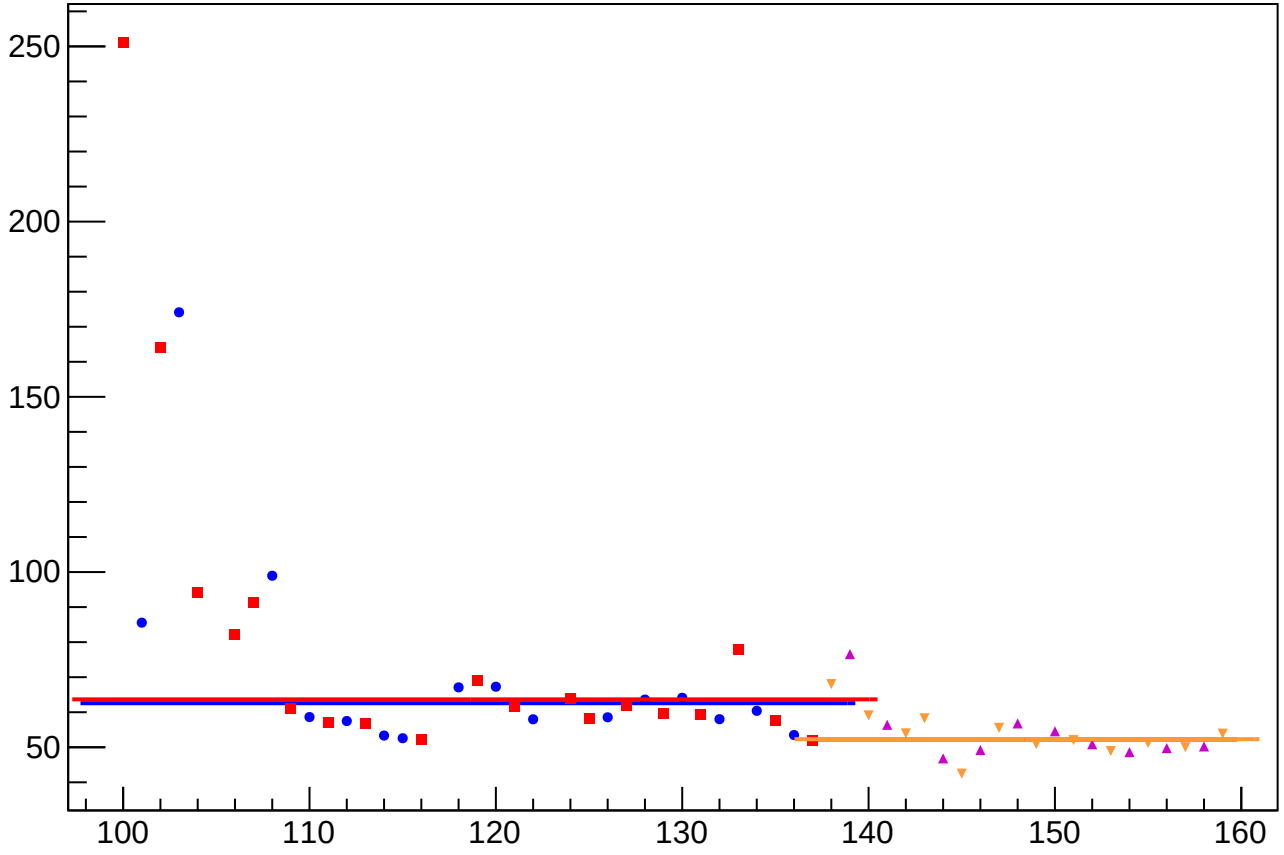
Left In: 49.841+/-17.883 χ^2/NDF:5.6/9

+ sign -17.985+/-13.987 χ^2/NDF: 50.0/27

All: -5.235+/-10.042 χ^2/NDF: 98.0/56

- sign 8.333+/-14.428 χ^2/NDF: 46.3/28

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

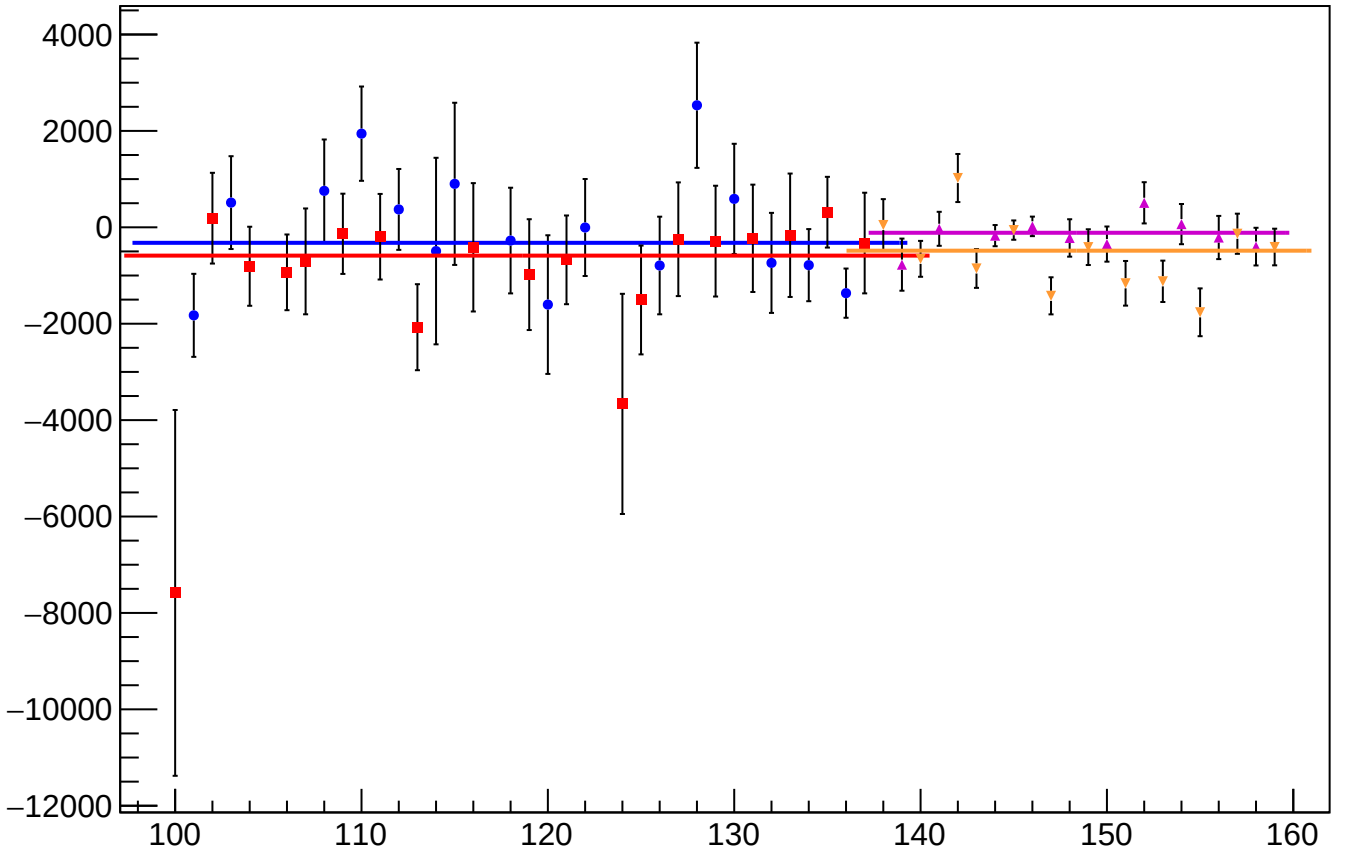
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

+ sign 55.731+/-0.010 χ^2/NDF: 1223483.8/27

All: 55.965+/-0.007 χ^2/NDF: 2584596.6/56

- sign 56.214+/-0.010 χ^2/NDF: 1359957.5/28



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

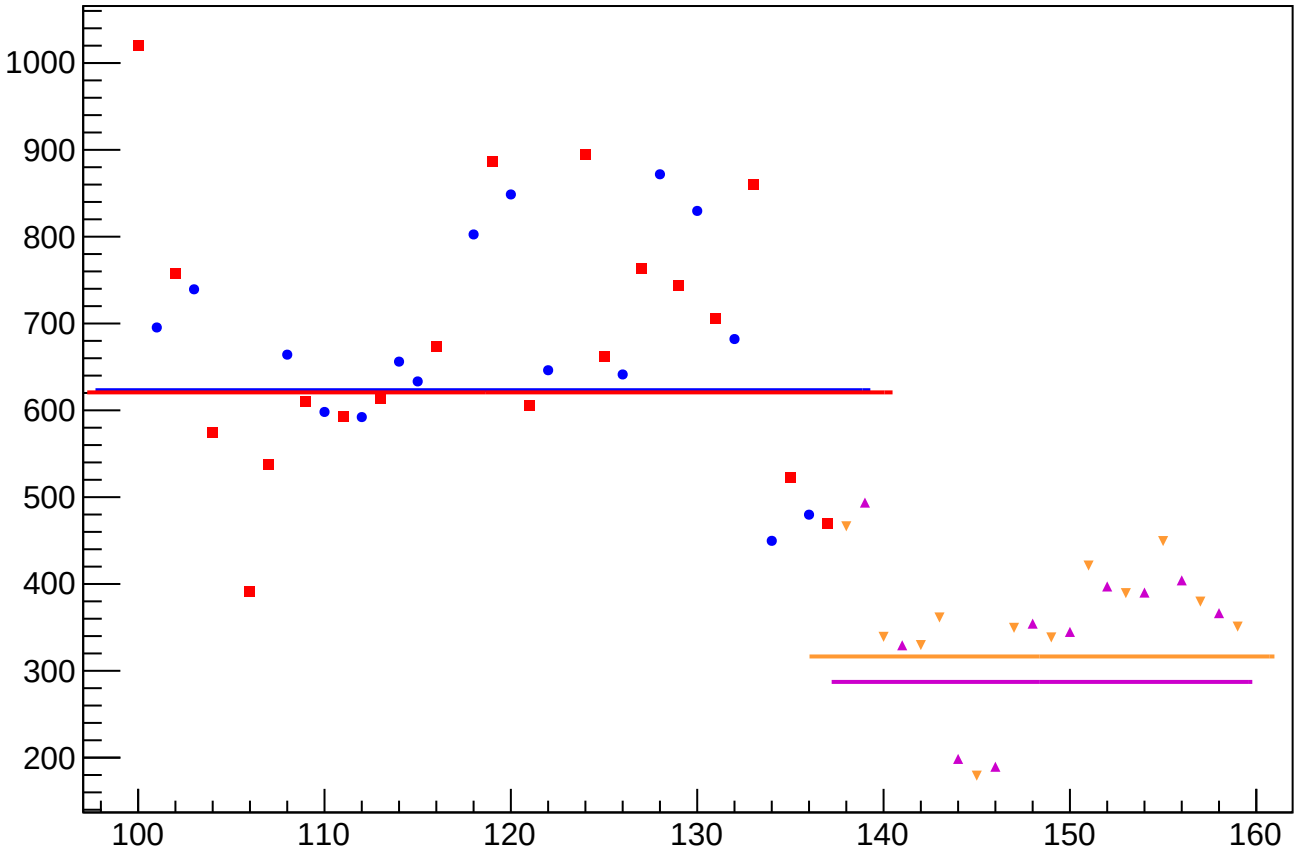
Left In: -113.409+/-103.435 χ^2/NDF:5.4/9

+ sign -457.291+/-97.941 χ^2/NDF: 56.5/27

All: -319.442+/-68.046 χ^2/NDF: 81.4/56

- sign -190.811+/-94.610 χ^2/NDF: 21.0/28

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

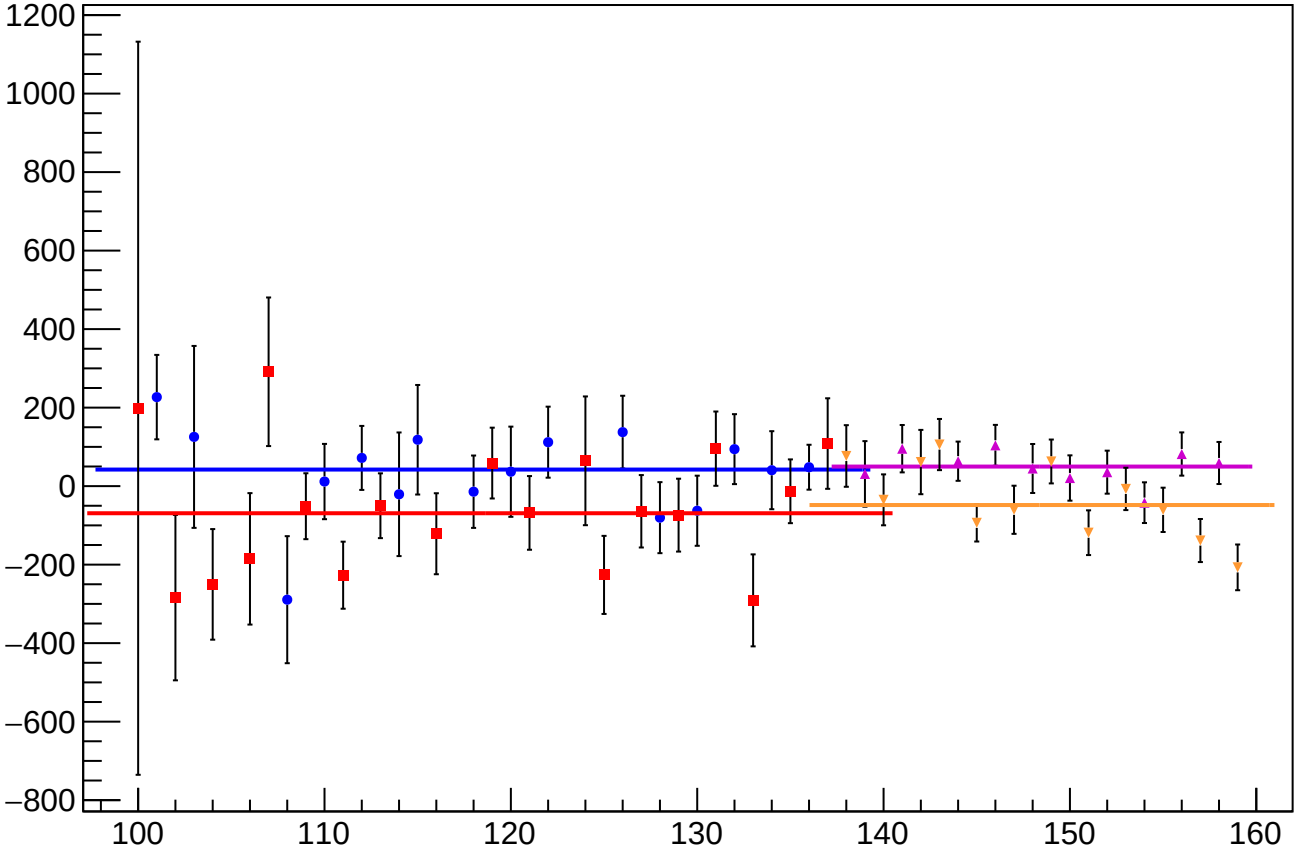
Left In: 287.217+/-0.073 χ^2/NDF:1693535.3/9

+ sign 368.238+/-0.069 χ^2/NDF: 4831204.5/27

All: 354.505+/-0.048 χ^2/NDF: 10606878.7/56

- sign 341.690+/-0.067 χ^2/NDF: 5699661.8/28

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

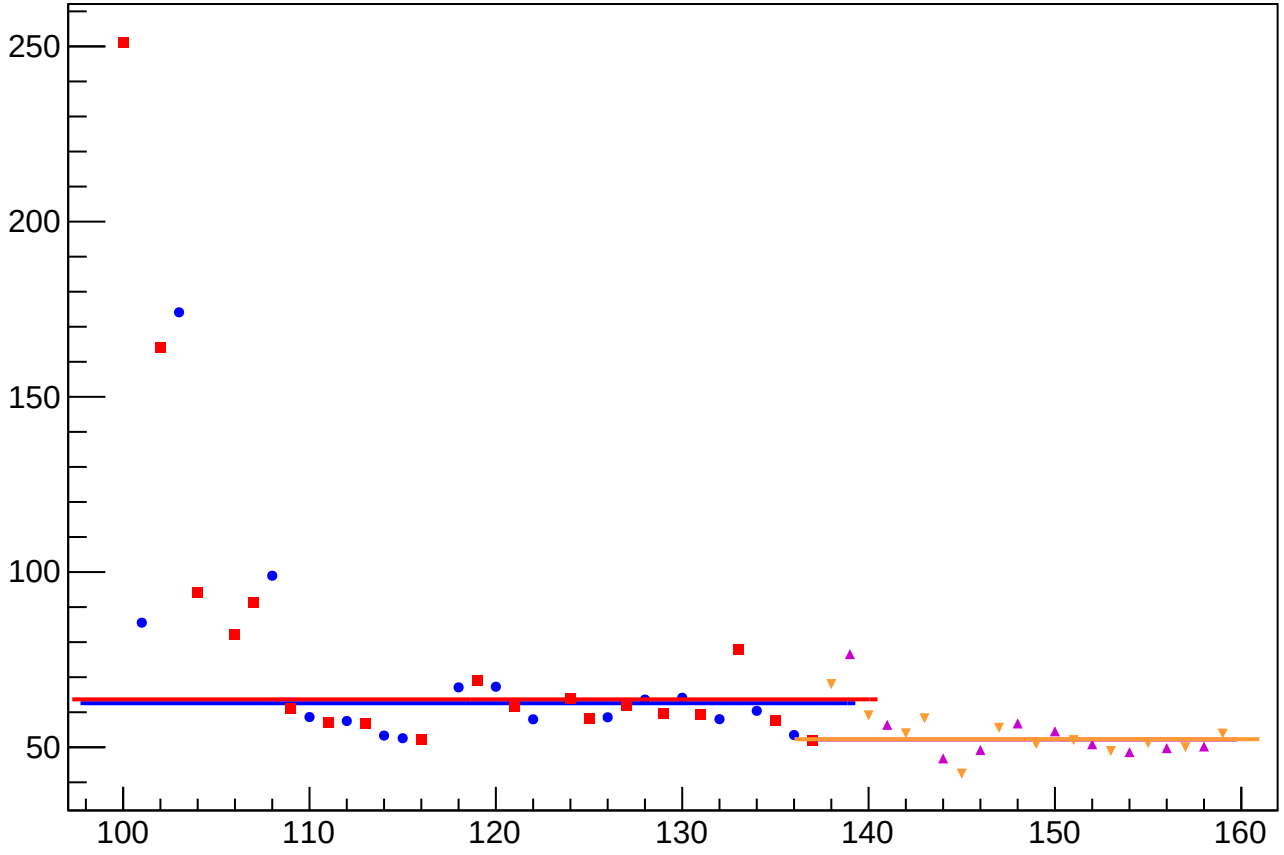
Left In: 49.841+/-17.883 χ^2/NDF:5.6/9

+ sign -17.985+/-13.987 χ^2/NDF: 50.0/27

All: -5.235+/-10.042 χ^2/NDF: 98.0/56

- sign 8.333+/-14.428 χ^2/NDF: 46.3/28

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

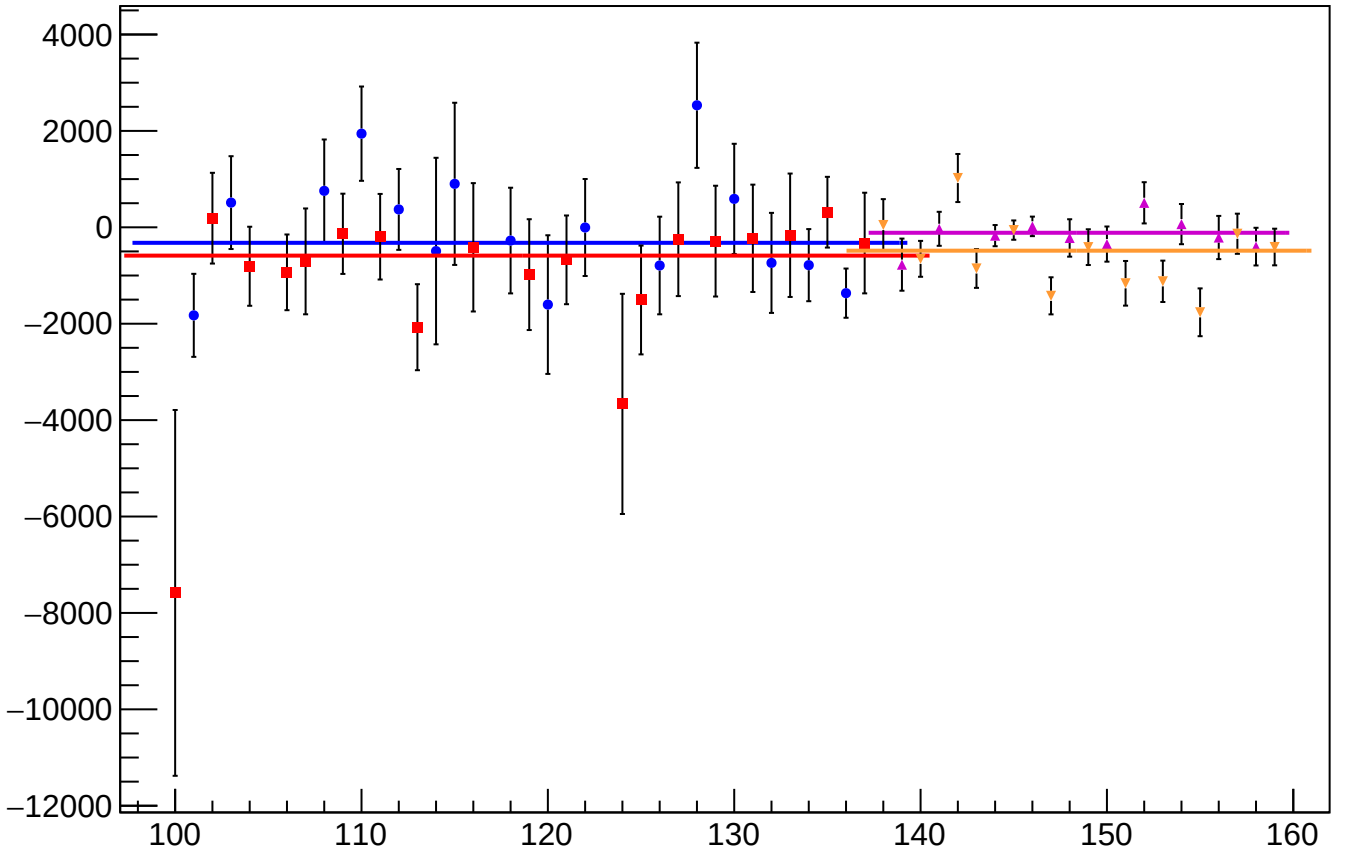
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.213+/-0.013 χ^2/NDF:241688.9/9

+ sign 55.731+/-0.010 χ^2/NDF: 1223483.8/27

All: 55.965+/-0.007 χ^2/NDF: 2584596.6/56

- sign 56.214+/-0.010 χ^2/NDF: 1359957.5/28



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -484.807+/-107.418 χ^2/NDF:33.4/11

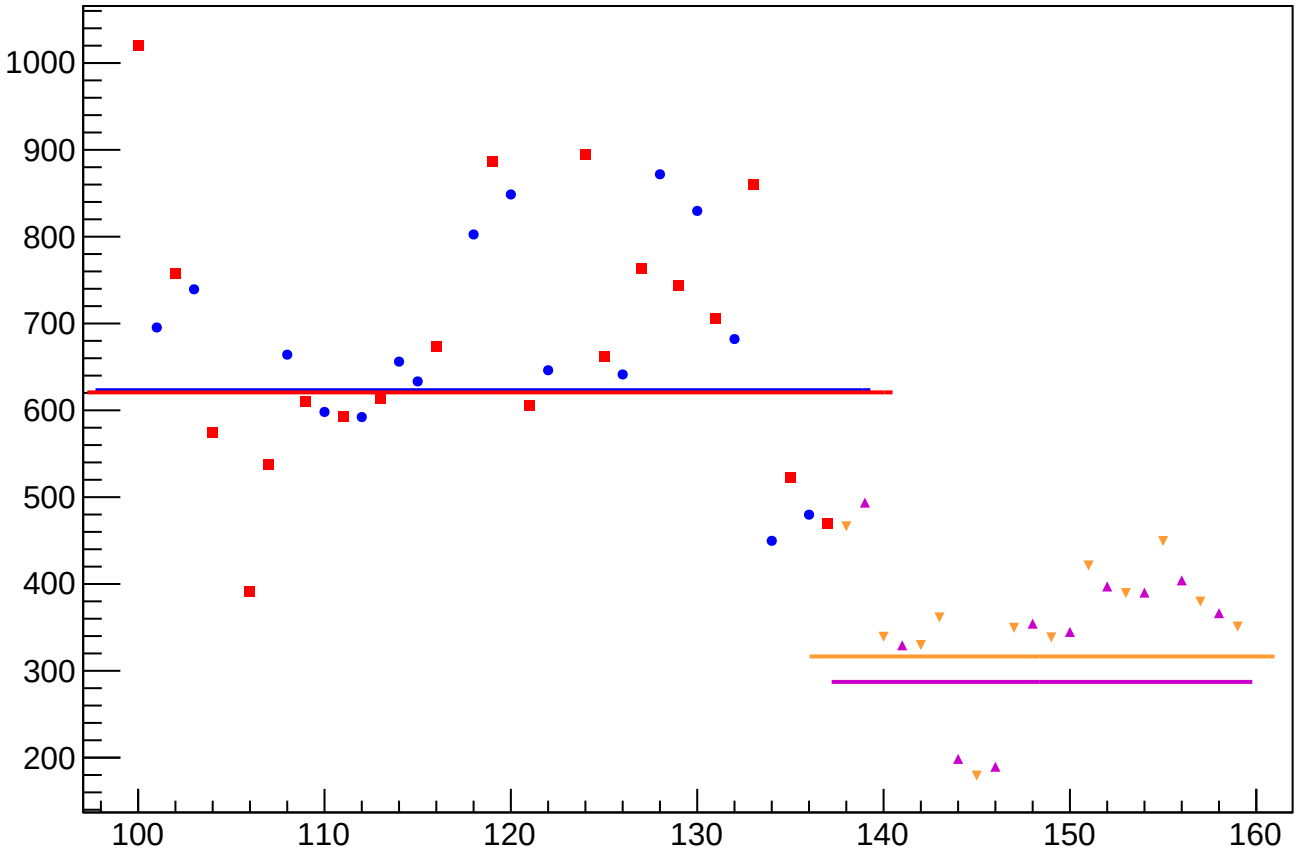
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -113.409+/-103.435 χ^2/NDF:5.4/9

+ sign -457.291+/-97.941 χ^2/NDF: 56.5/27

All: -319.442+/-68.046 χ^2/NDF: 81.4/56

- sign -190.811+/-94.610 χ^2/NDF: 21.0/28



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

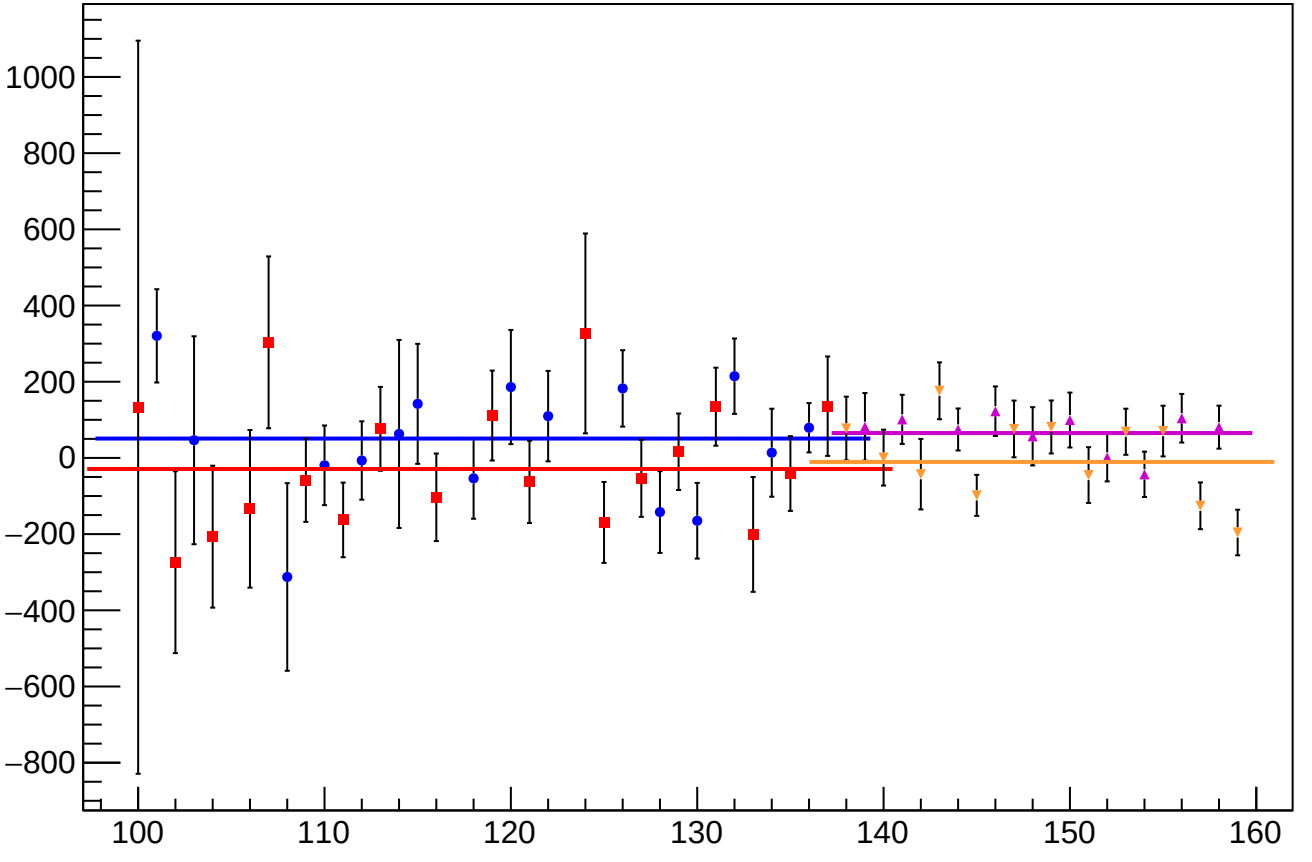
Left In: 287.217+/-0.073 χ^2/NDF:1693535.3/9

+ sign 368.238+/-0.069 χ^2/NDF: 4831204.5/27

All: 354.505+/-0.048 χ^2/NDF: 10606878.7/56

- sign 341.690+/-0.067 χ^2/NDF: 5699661.8/28

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

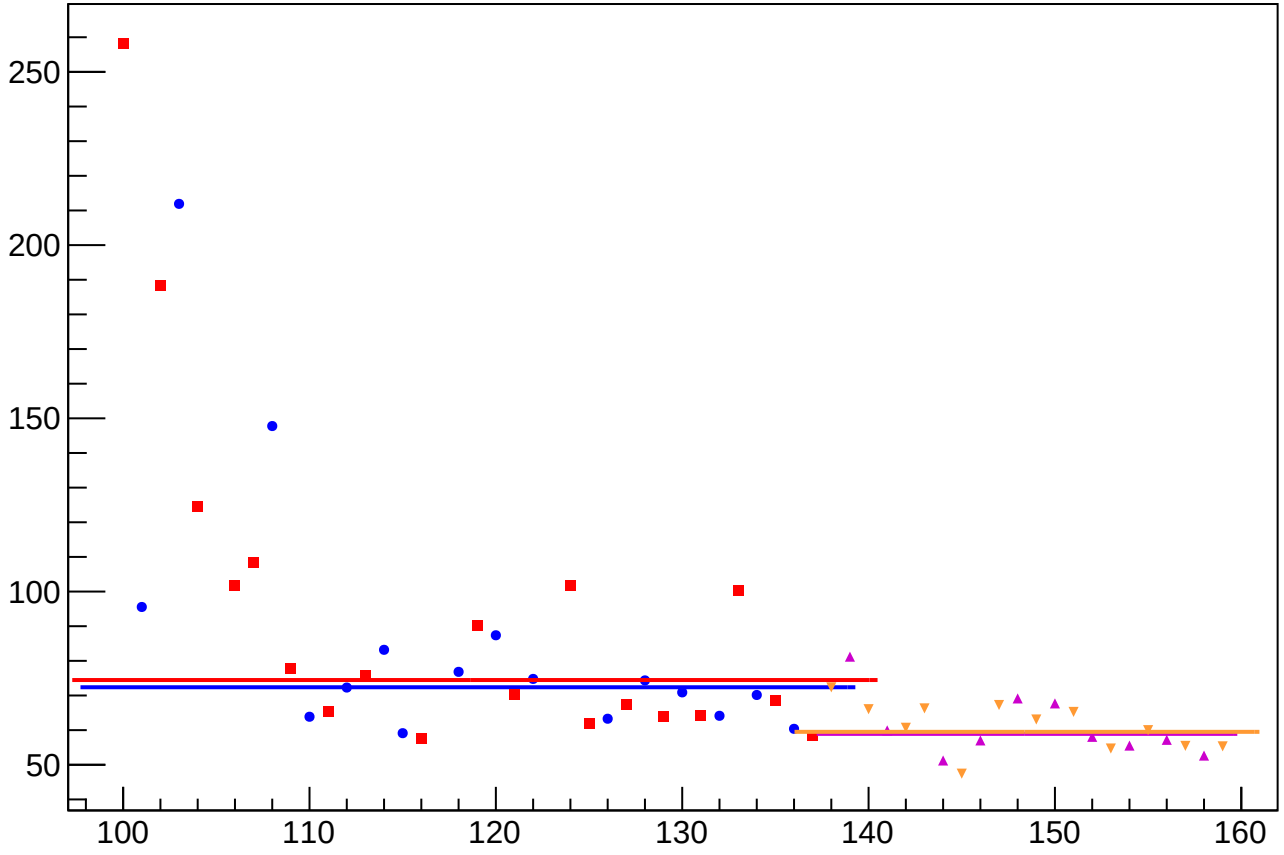
Left In: 65.343+/-20.448 χ^2/NDF:6.2/9

+ sign 9.433+/-16.148 χ^2/NDF: 55.8/27

All: 21.245+/-11.607 χ^2/NDF: 88.7/56

- sign 33.869+/-16.694 χ^2/NDF: 31.8/28

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

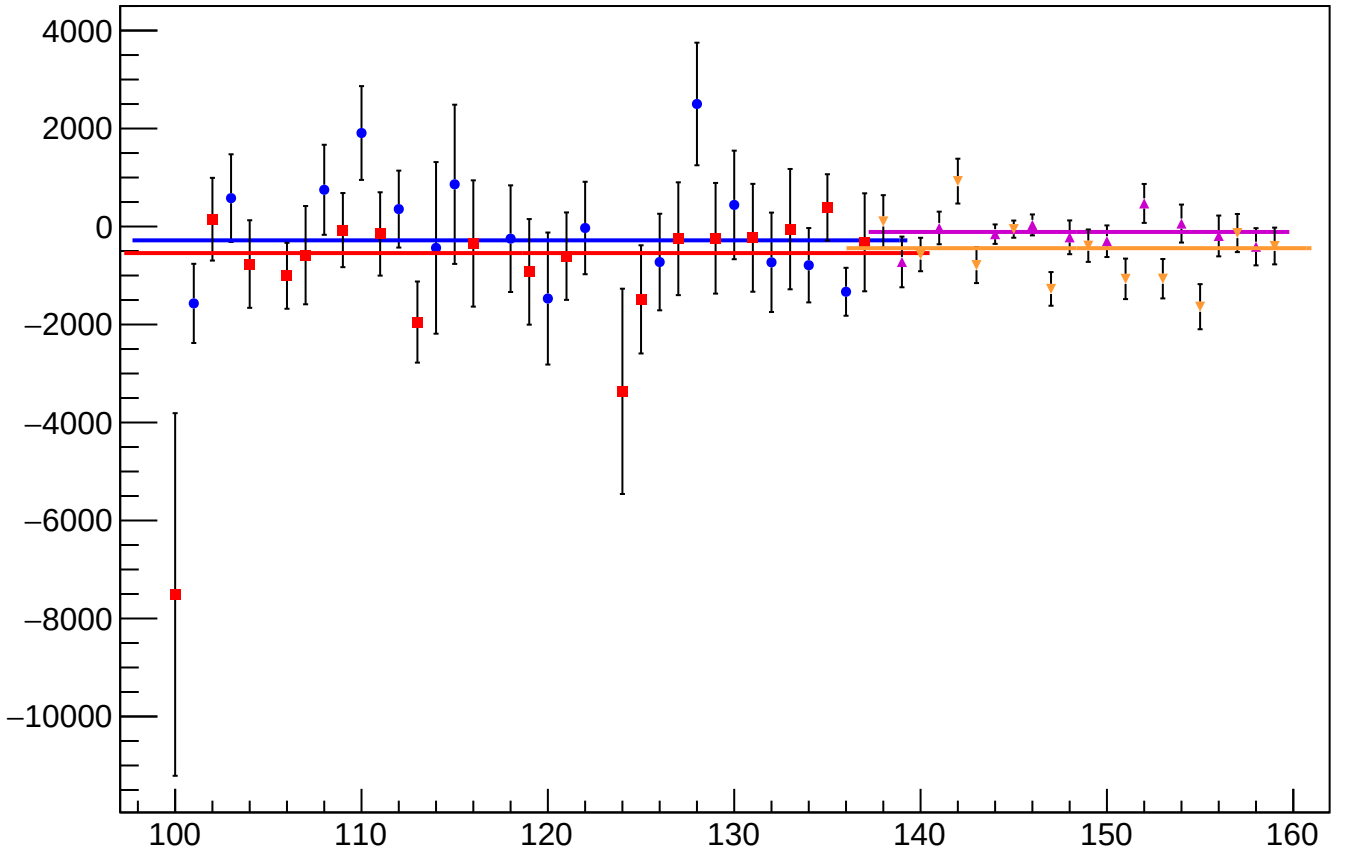
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.921+/-0.014 χ^2/NDF:266193.3/9

+ sign 63.695+/-0.011 χ^2/NDF: 1467782.8/27

All: 63.893+/-0.008 χ^2/NDF: 3172213.0/56

- sign 64.104+/-0.012 χ^2/NDF: 1703811.8/28



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

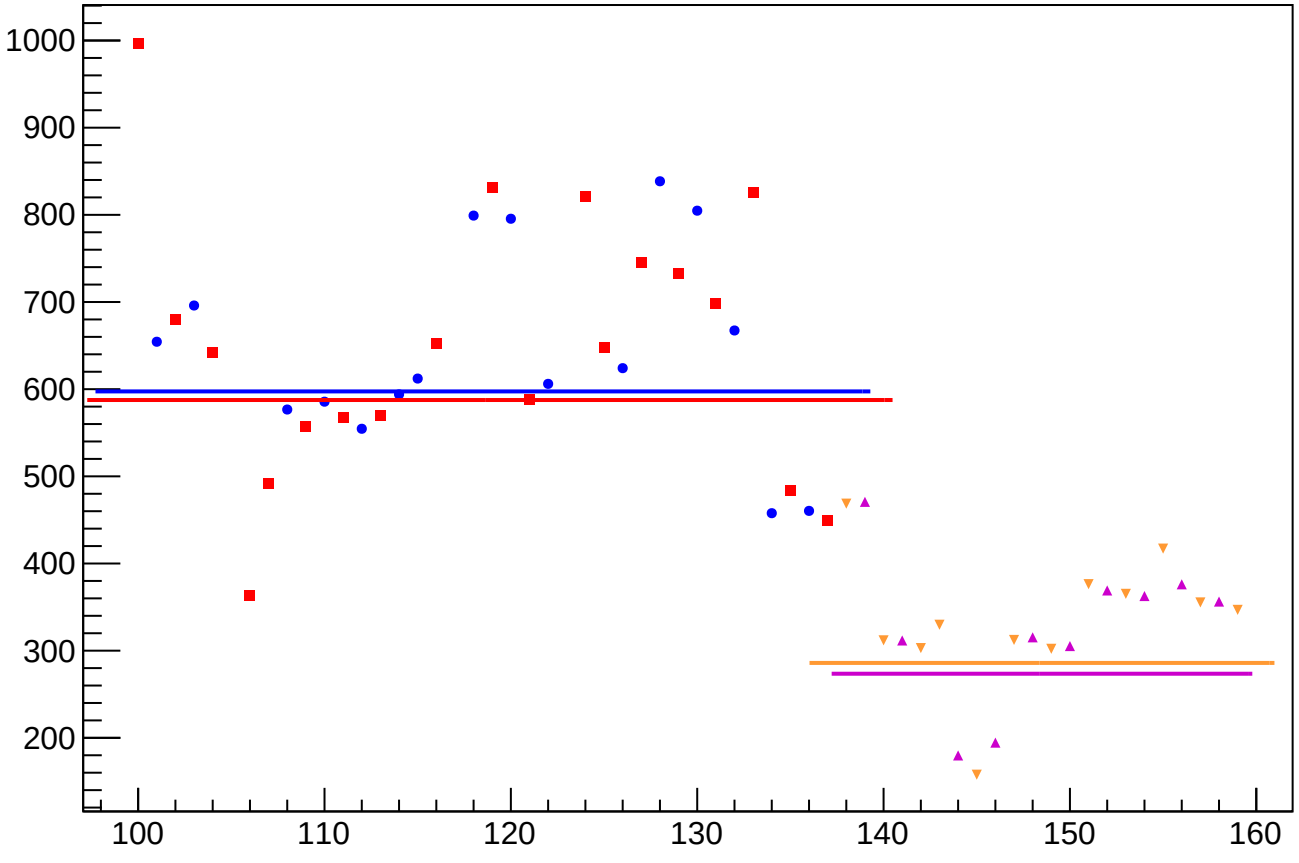
Left In: -111.099+/-98.203 χ^2/NDF:5.4/9

+ sign -417.269+/-89.757 χ^2/NDF: 57.1/27

All: -299.711+/-63.460 χ^2/NDF: 82.4/56

- sign -182.209+/-89.736 χ^2/NDF: 21.9/28

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

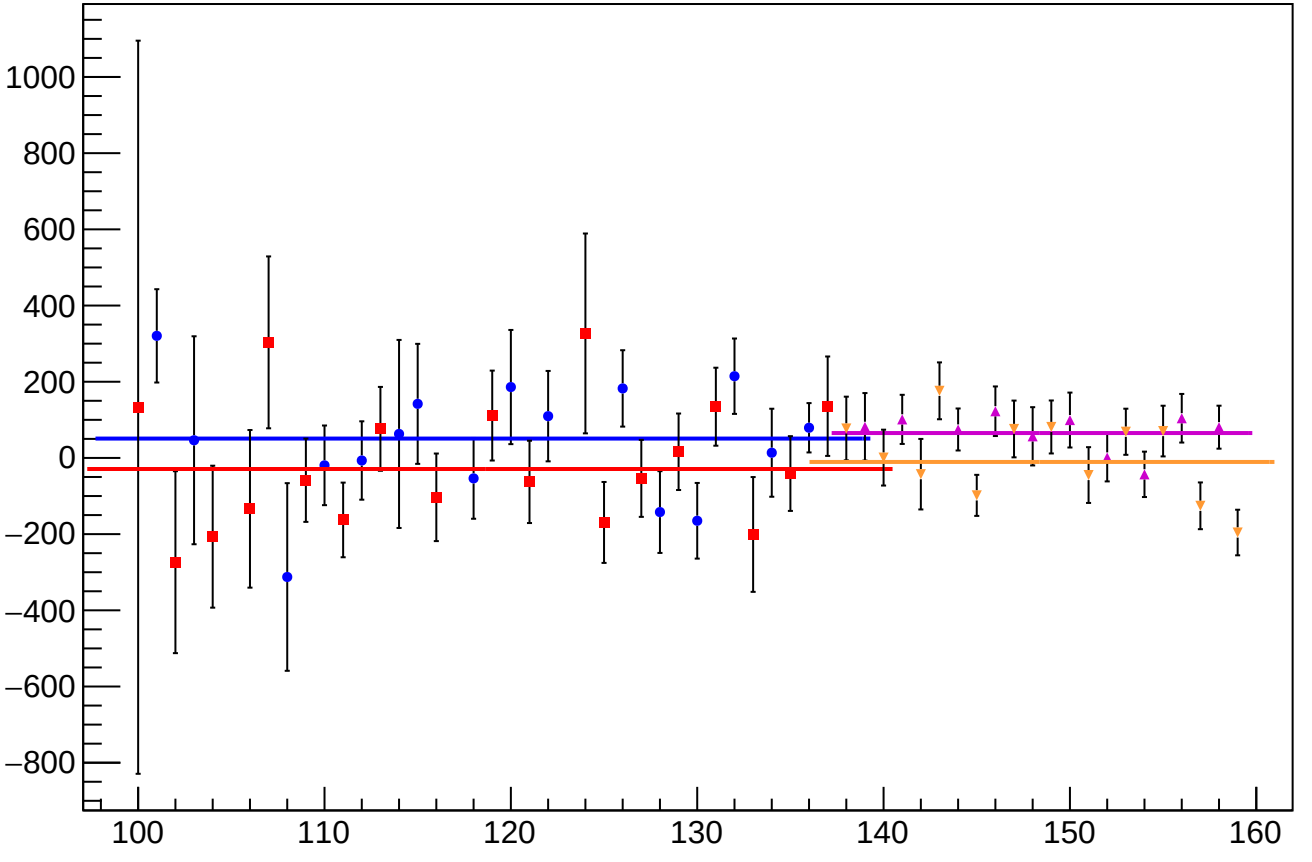
Left In: 273.551+/-0.069 χ^2/NDF:1522280.8/9

+ sign 334.306+/-0.063 χ^2/NDF: 5505072.0/27

All: 329.836+/-0.045 χ^2/NDF: 11100723.0/56

- sign 325.368+/-0.063 χ^2/NDF: 5585732.8/28

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

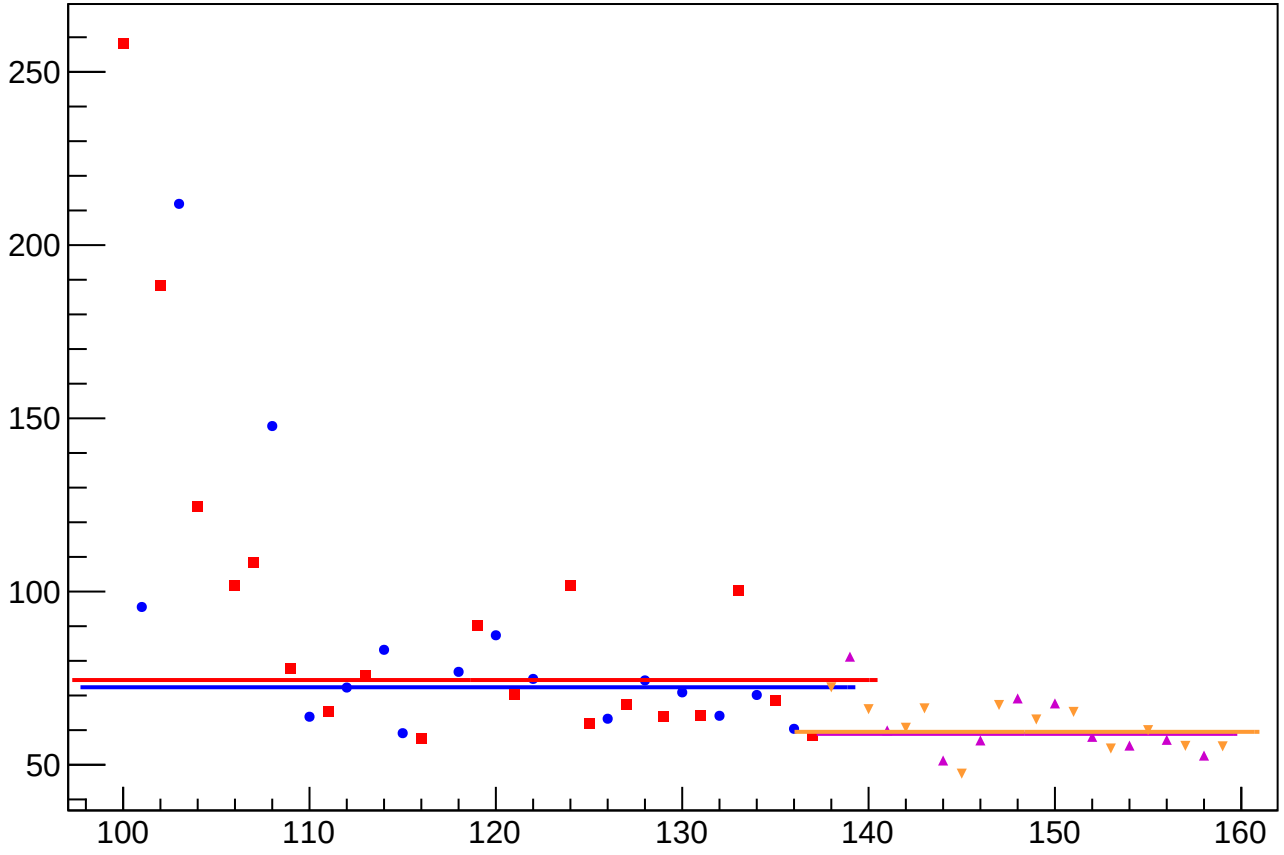
Left In: 65.343+/-20.449 χ^2/NDF:6.2/9

\+ sign 9.434+/-16.148 χ^2/NDF: 55.8/27

All: 21.245+/-11.607 χ^2/NDF: 88.7/56

\- sign 33.869+/-16.694 χ^2/NDF: 31.8/28

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

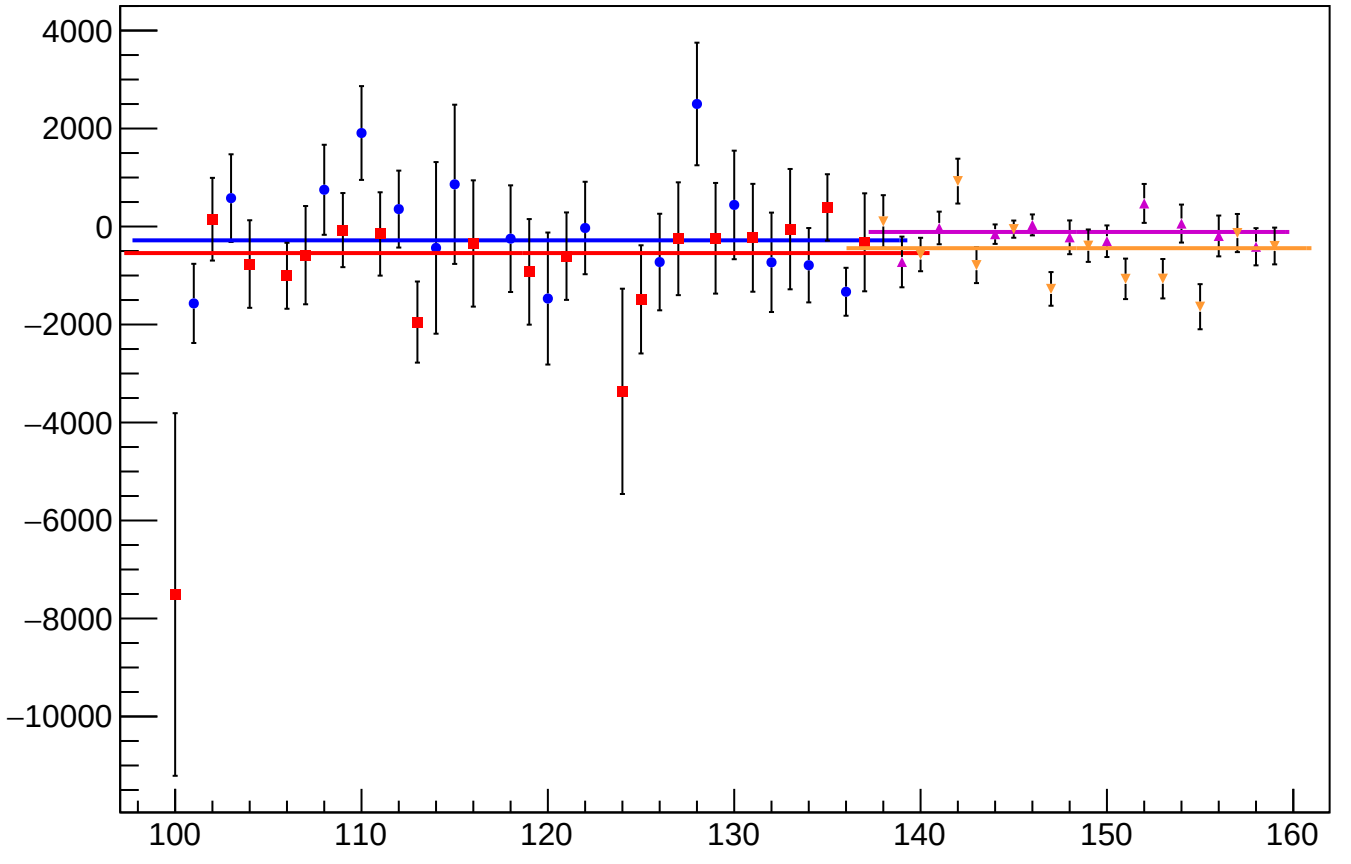
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.921+/-0.014 χ^2/NDF:266195.4/9

+ sign 63.695+/-0.011 χ^2/NDF: 1467781.7/27

All: 63.893+/-0.008 χ^2/NDF: 3172193.8/56

- sign 64.104+/-0.012 χ^2/NDF: 1703793.7/28



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -442.124+/-97.657 χ^2/NDF:33.9/11

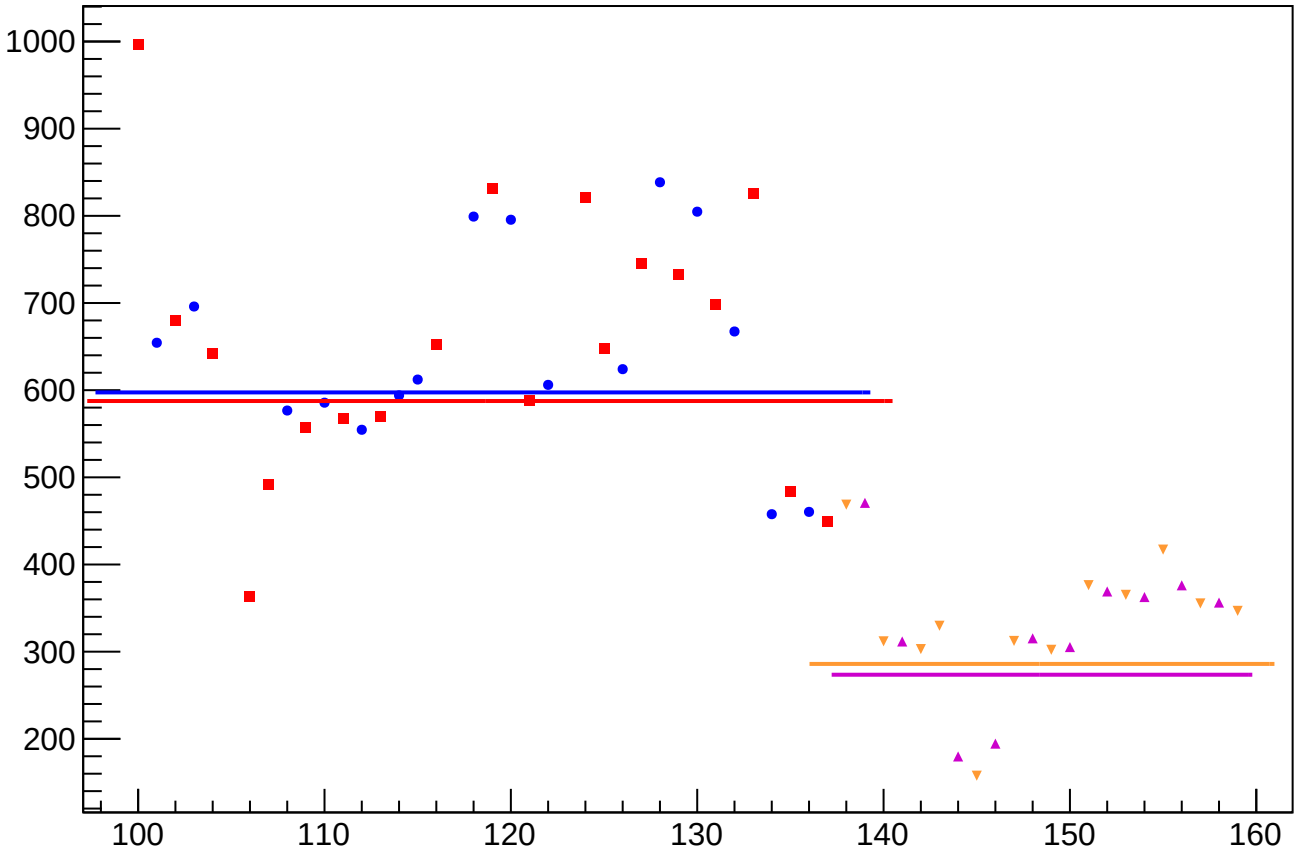
Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: -111.099+/-98.203 χ^2/NDF:5.4/9

+ sign -417.269+/-89.757 χ^2/NDF: 57.1/27

All: -299.711+/-63.460 χ^2/NDF: 82.4/56

- sign -182.208+/-89.736 χ^2/NDF: 21.9/28



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

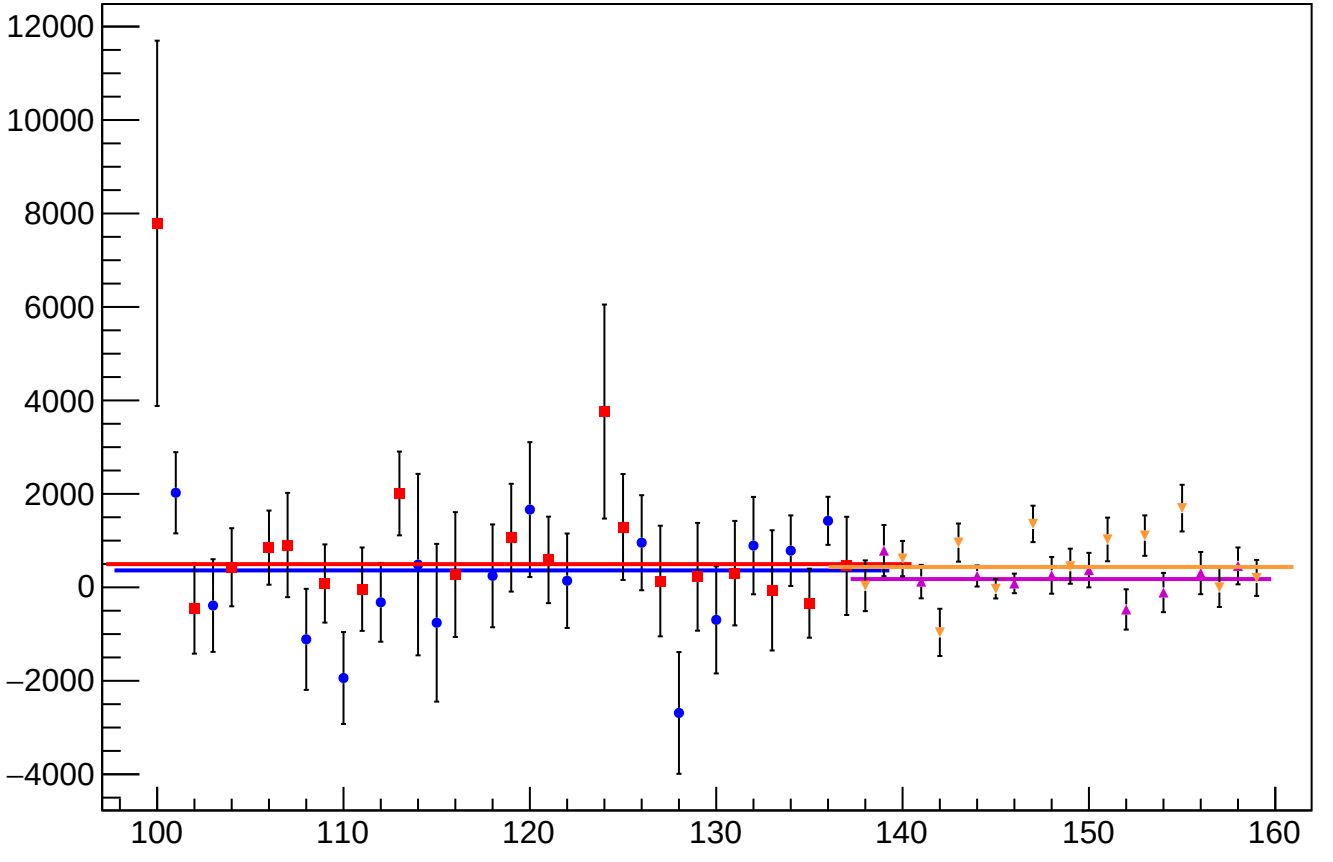
Left In: 273.551+/-0.069 χ^2/NDF:1522273.4/9

+ sign 334.306+/-0.063 χ^2/NDF: 5505068.3/27

All: 329.836+/-0.045 χ^2/NDF: 11100714.7/56

- sign 325.368+/-0.063 χ^2/NDF: 5585728.0/28

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

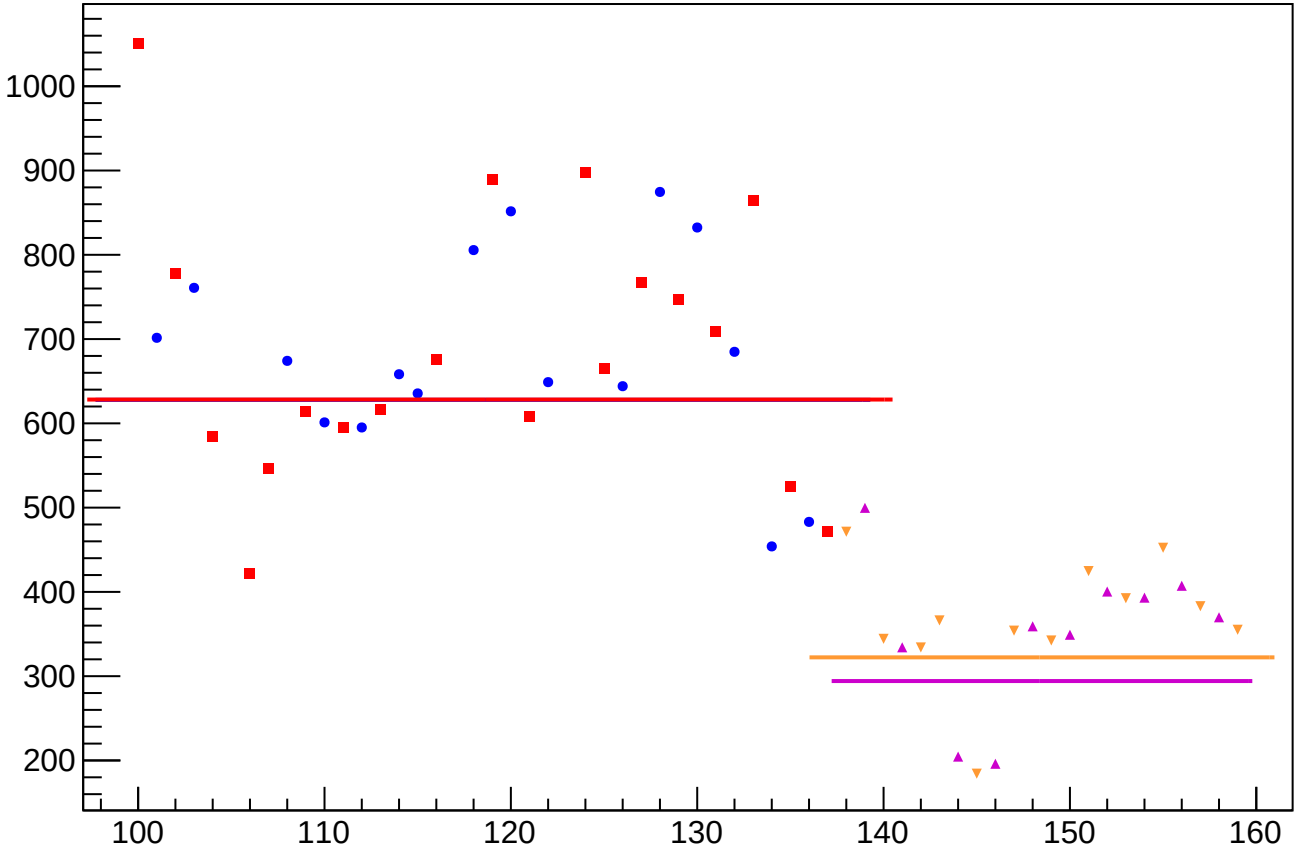
Left In: 177.279+/-105.572 χ^2/NDF:5.2/9

+ sign 423.254+/-99.375 χ^2/NDF: 57.8/27

All: 323.930+/-69.182 χ^2/NDF: 79.1/56

- sign 230.520+/-96.371 χ^2/NDF: 19.4/28

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

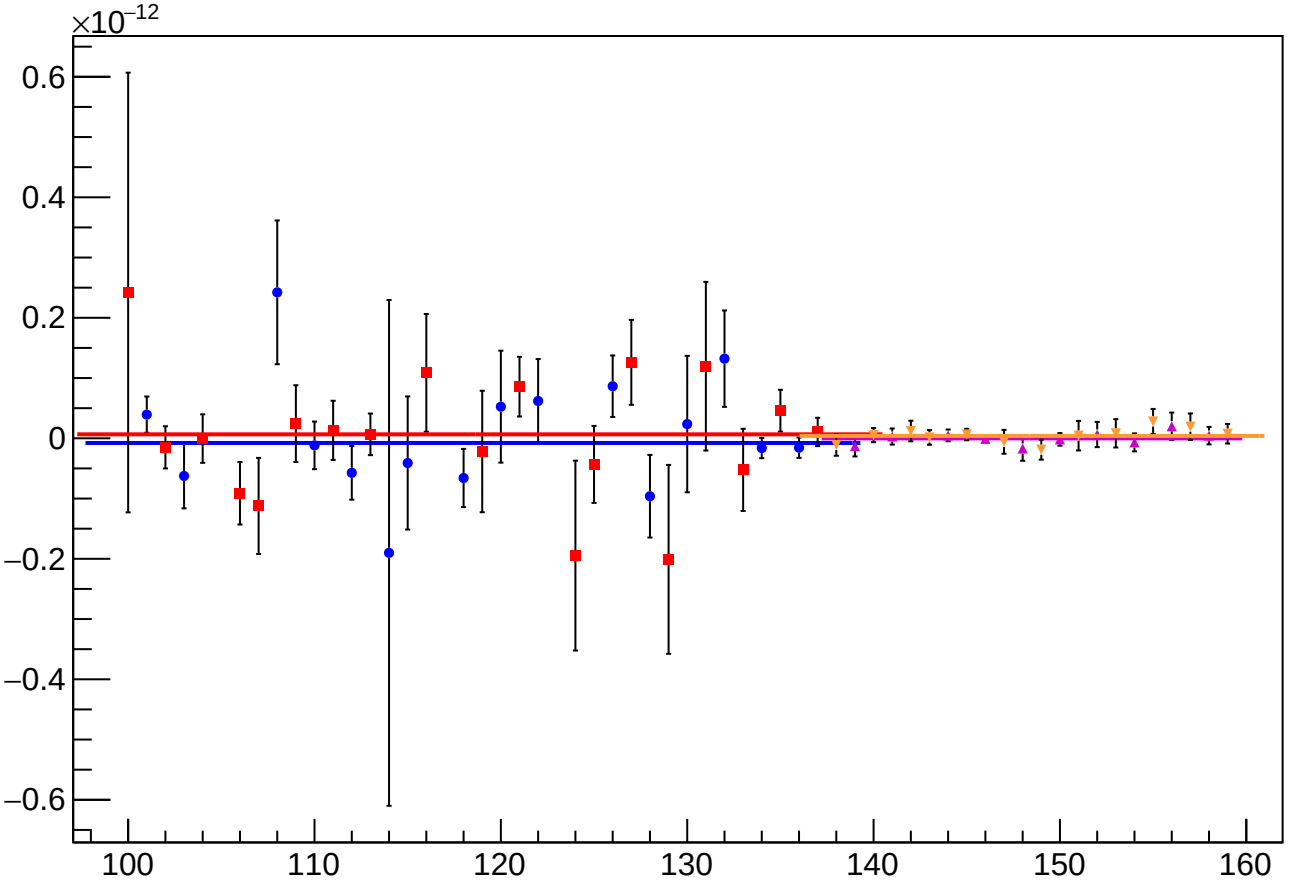
Left In: 294.219+/-0.075 χ^2/NDF:1591448.7/9

+ sign 374.584+/-0.070 χ^2/NDF: 4686804.9/27

All: 361.866+/-0.049 χ^2/NDF: 10250654.2/56

- sign 349.906+/-0.068 χ^2/NDF: 5500287.4/28

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

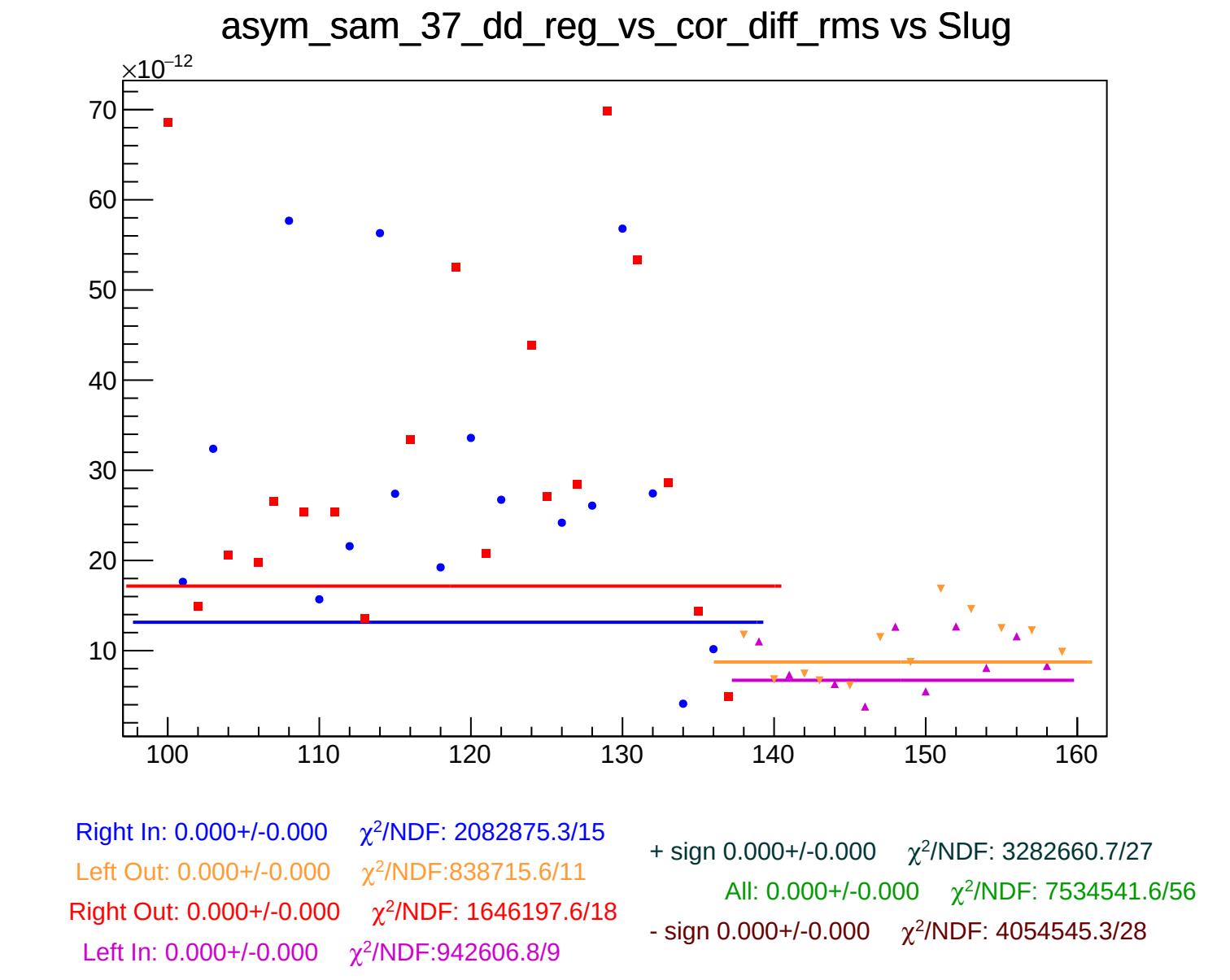
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/9

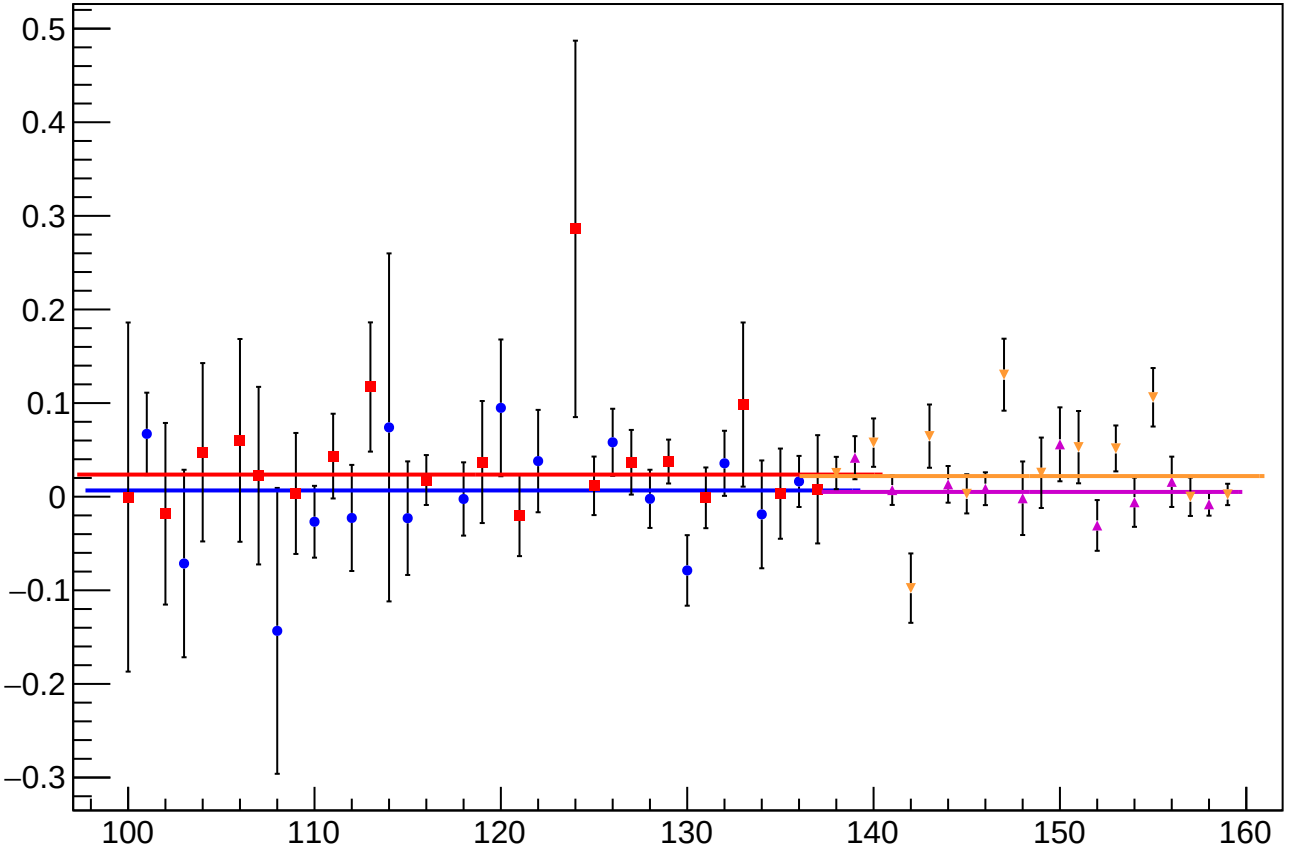
+ sign 0.000+/-0.000 χ^2/NDF: 27.3/27

All: 0.000+/-0.000 χ^2/NDF: 50.4/56

- sign 0.000+/-0.000 χ^2/NDF: 23.1/28


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:942606.8/9
+ sign 0.000+/-0.000 χ²/NDF: 3282660.7/27
All: 0.000+/-0.000 χ²/NDF: 7534541.6/56
- sign 0.000+/-0.000 χ²/NDF: 4054545.3/28

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

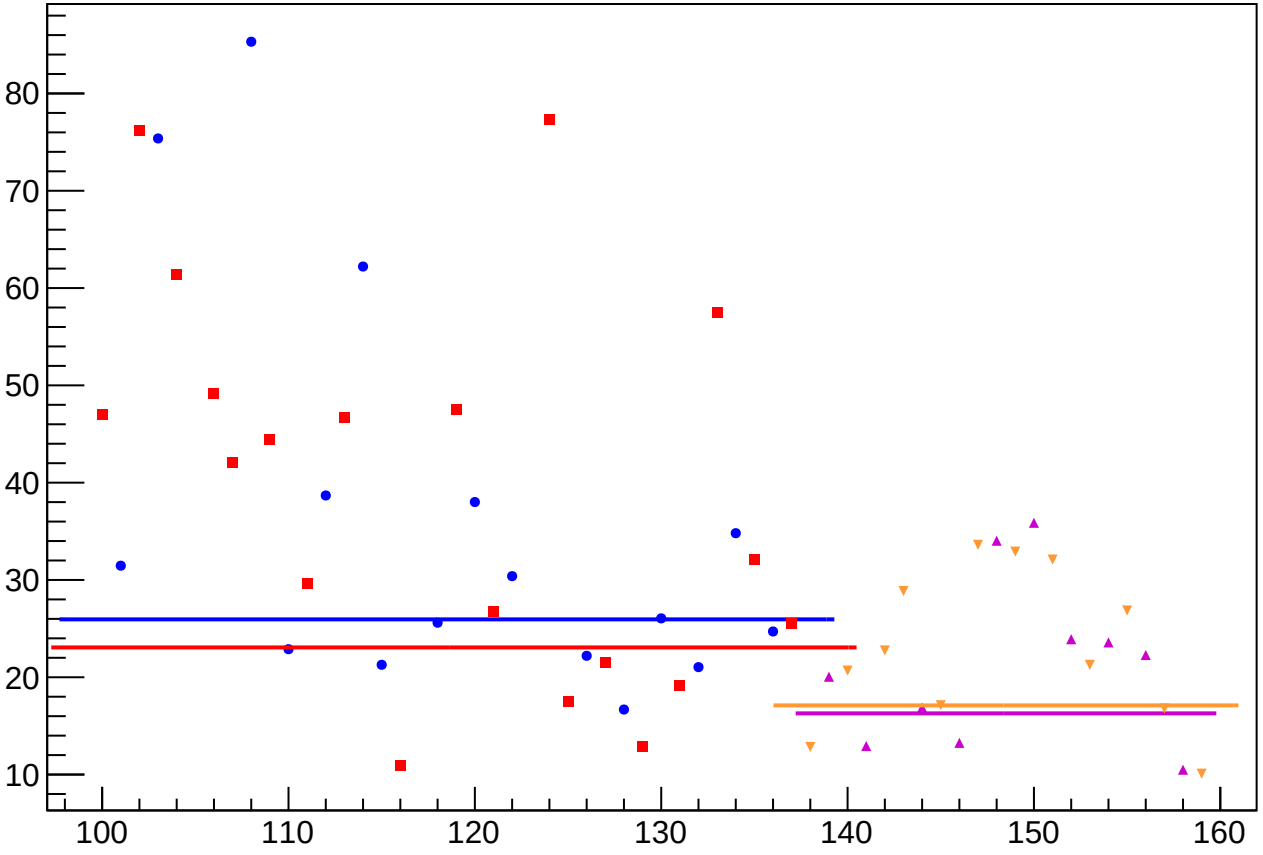
Left In: 0.005+/-0.006 χ^2/NDF:7.7/9

+ sign 0.018+/-0.006 χ^2/NDF: 52.6/27

All: 0.014+/-0.004 χ^2/NDF: 71.1/56

- sign 0.010+/-0.006 χ^2/NDF: 17.5/28

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

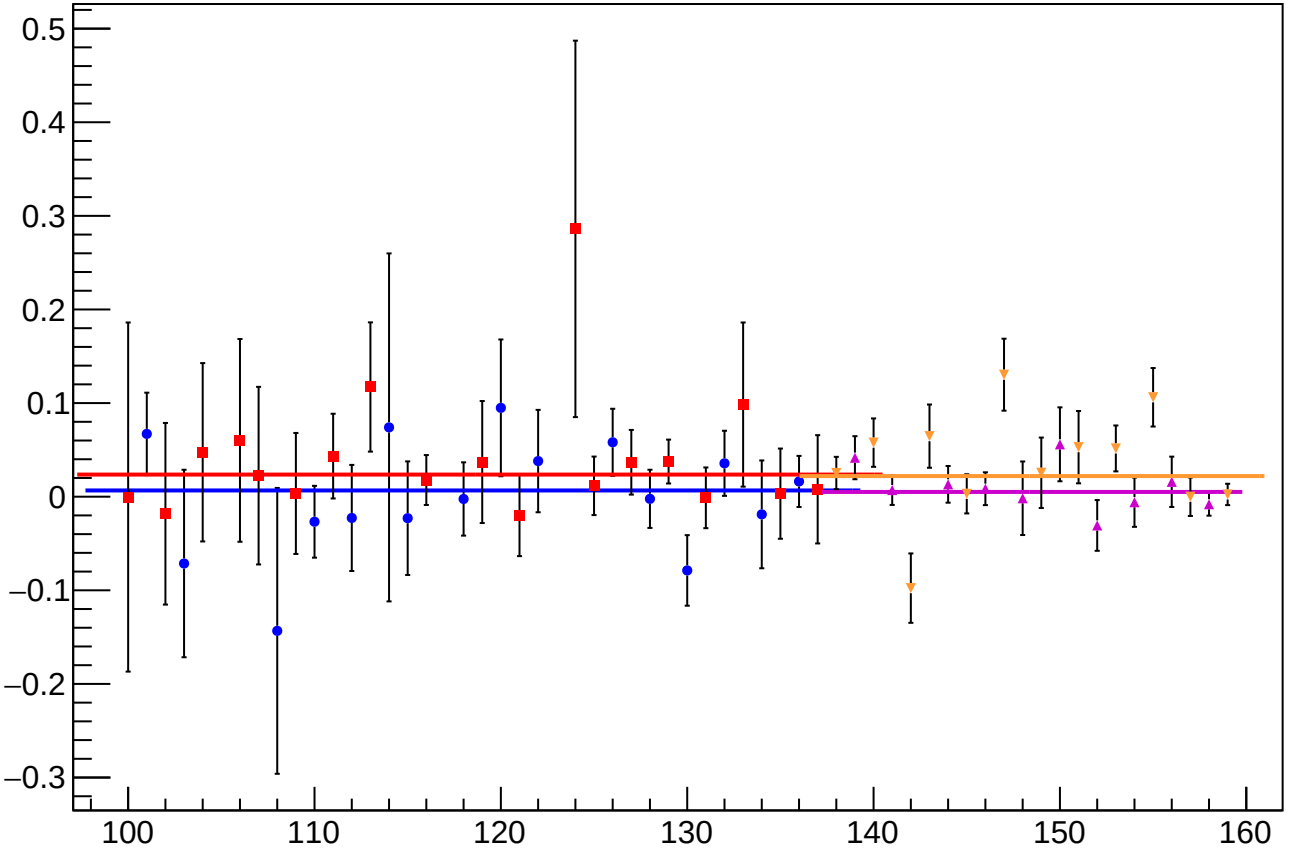
Left In: 16.288+/-0.005 χ^2/NDF:1965185.5/9

+ sign 19.375+/-0.004 χ^2/NDF: 4808371.9/27

All: 18.752+/-0.003 χ^2/NDF: 10786302.3/56

- sign 18.153+/-0.004 χ^2/NDF: 5929712.6/28

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

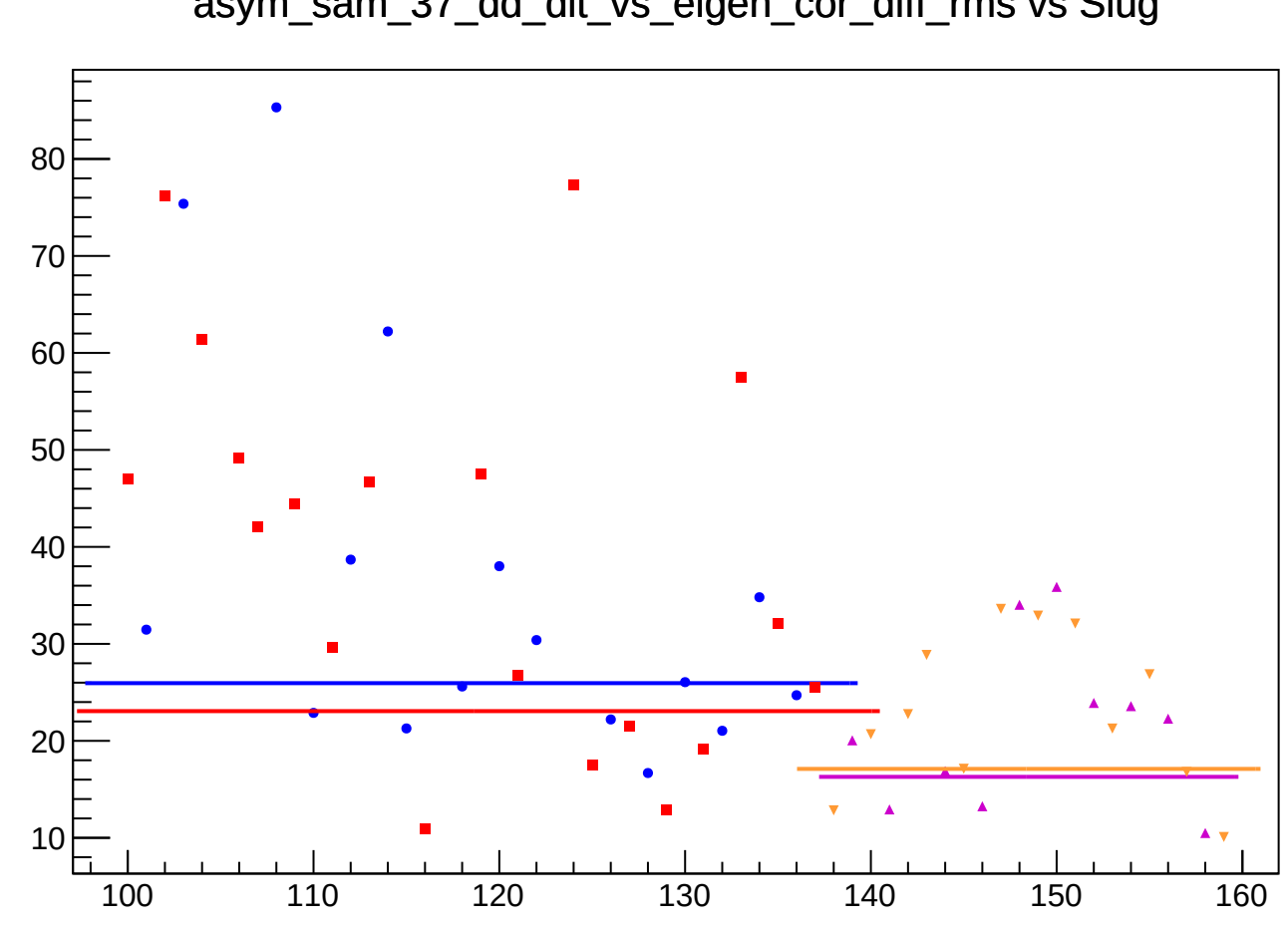
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.006 χ^2/NDF:7.7/9

+ sign 0.018+/-0.006 χ^2/NDF: 52.6/27

All: 0.014+/-0.004 χ^2/NDF: 71.1/56

- sign 0.010+/-0.006 χ^2/NDF: 17.5/28



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 17.108+/-0.005 χ^2/NDF:2483212.6/11

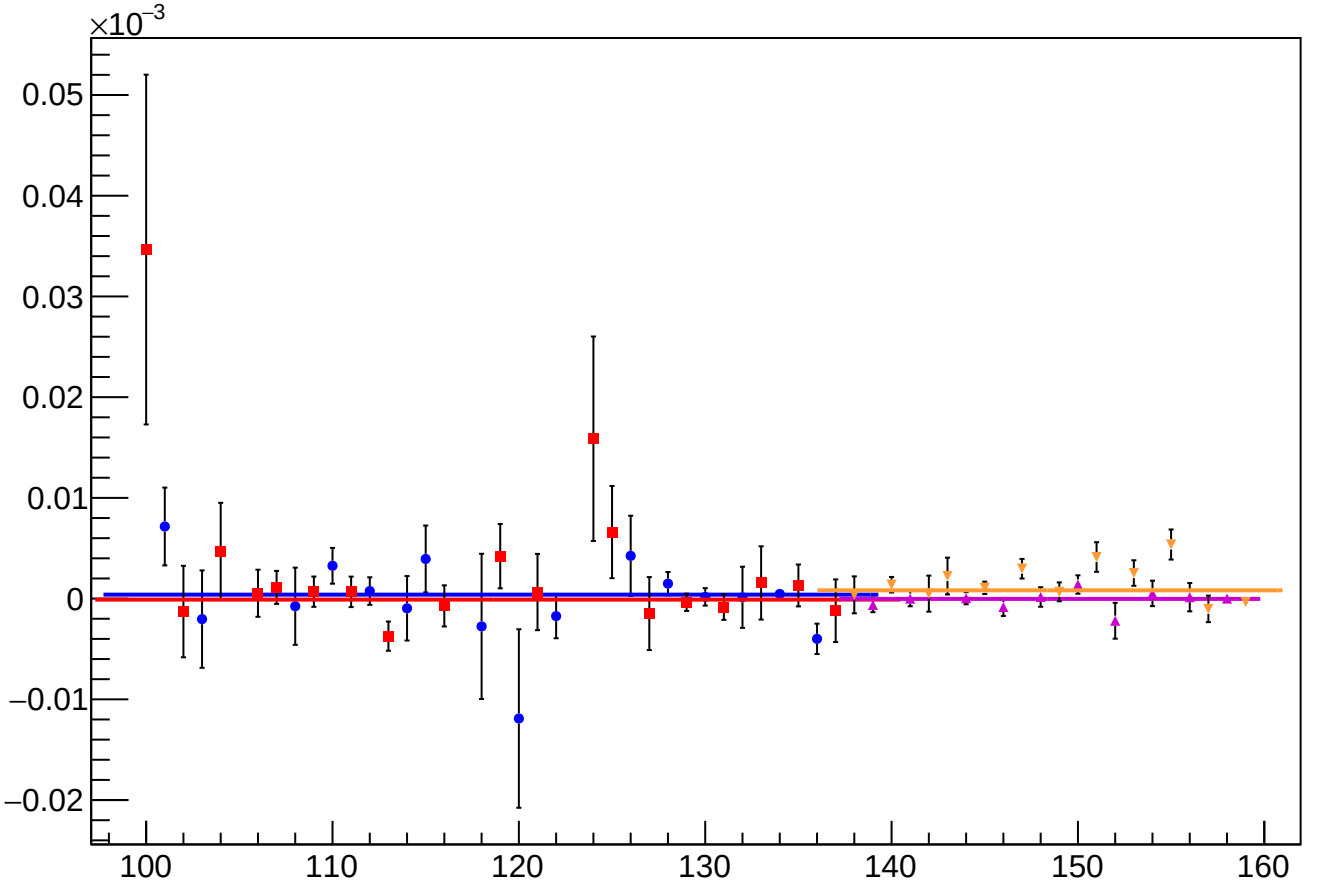
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 16.288+/-0.005 χ^2/NDF:1965185.5/9

+ sign 19.375+/-0.004 χ^2/NDF: 4808371.9/27

All: 18.752+/-0.003 χ^2/NDF: 10786302.3/56

- sign 18.153+/-0.004 χ^2/NDF: 5929712.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.0/11

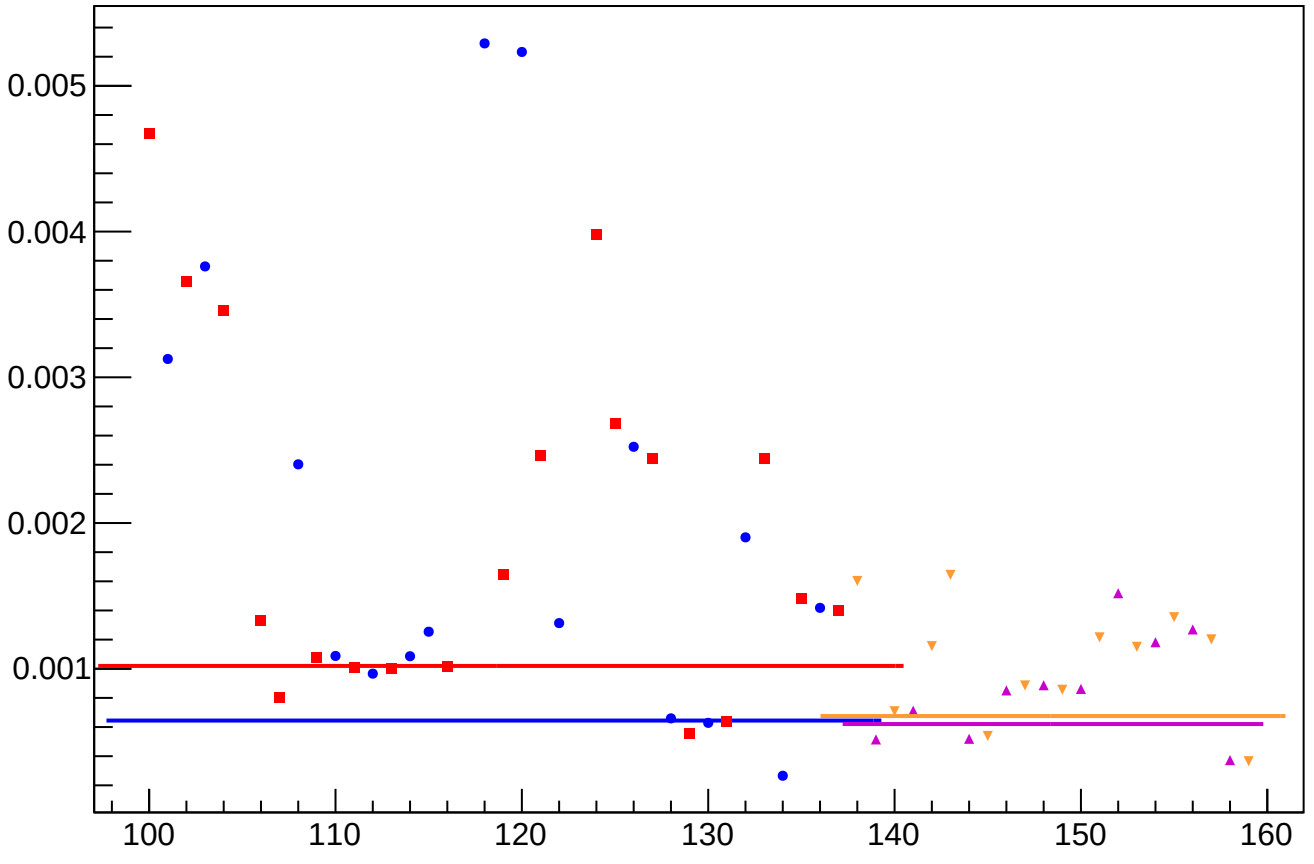
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/27

All: 0.000+/-0.000 χ^2/NDF: 87.1/56

- sign -0.000+/-0.000 χ^2/NDF: 26.1/28



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:3999880.0/11

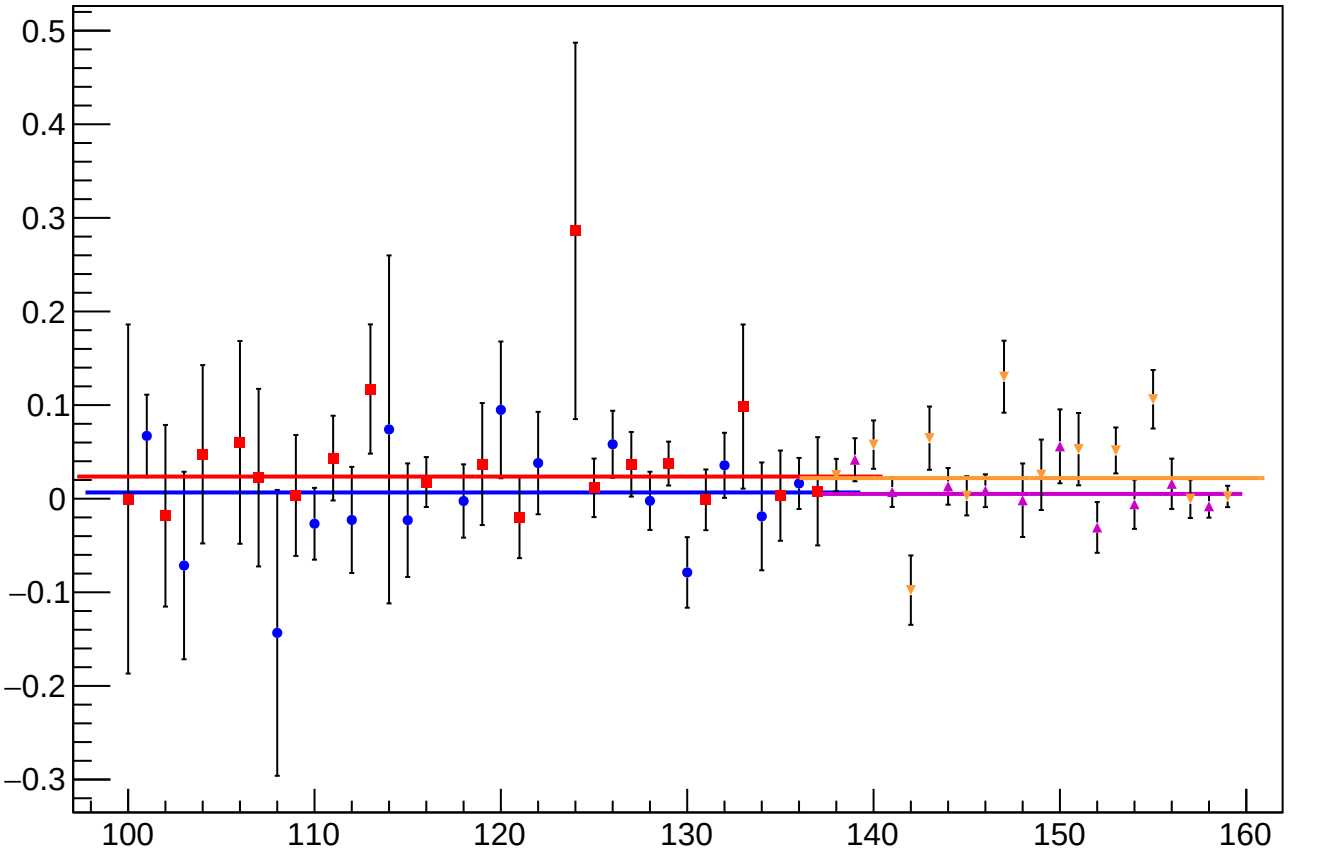
Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2623330.2/9

+ sign 0.001+/-0.000 χ^2/NDF: 10586301.0/27

All: 0.001+/-0.000 χ^2/NDF: 18141472.4/56

- sign 0.001+/-0.000 χ^2/NDF: 7509918.0/28



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.022+/-0.007 χ^2/NDF:36.2/11

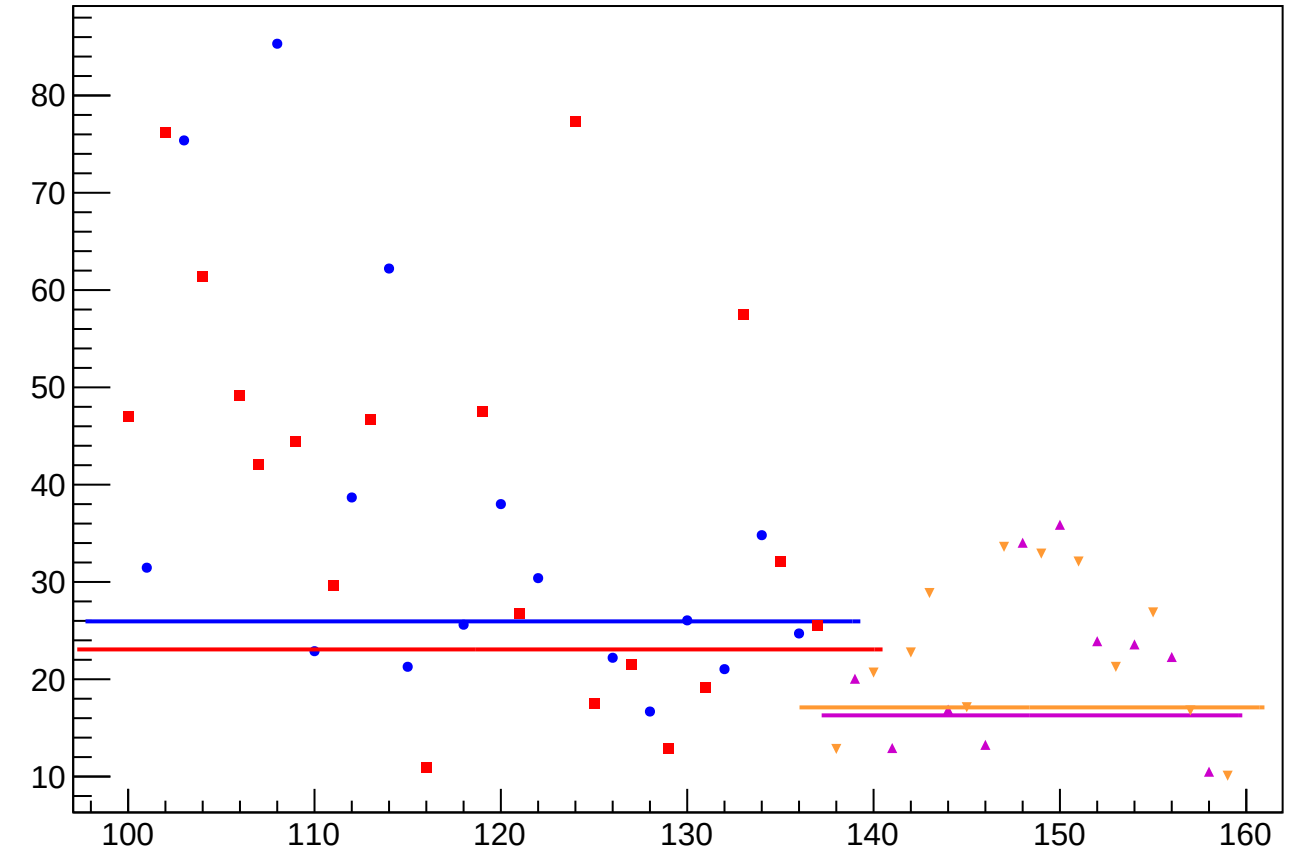
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.006 χ^2/NDF:7.7/9

+ sign 0.018+/-0.006 χ^2/NDF: 52.6/27

All: 0.014+/-0.004 χ^2/NDF: 71.1/56

- sign 0.010+/-0.006 χ^2/NDF: 17.5/28



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.109+/-0.005 χ^2/NDF:2483363.0/11

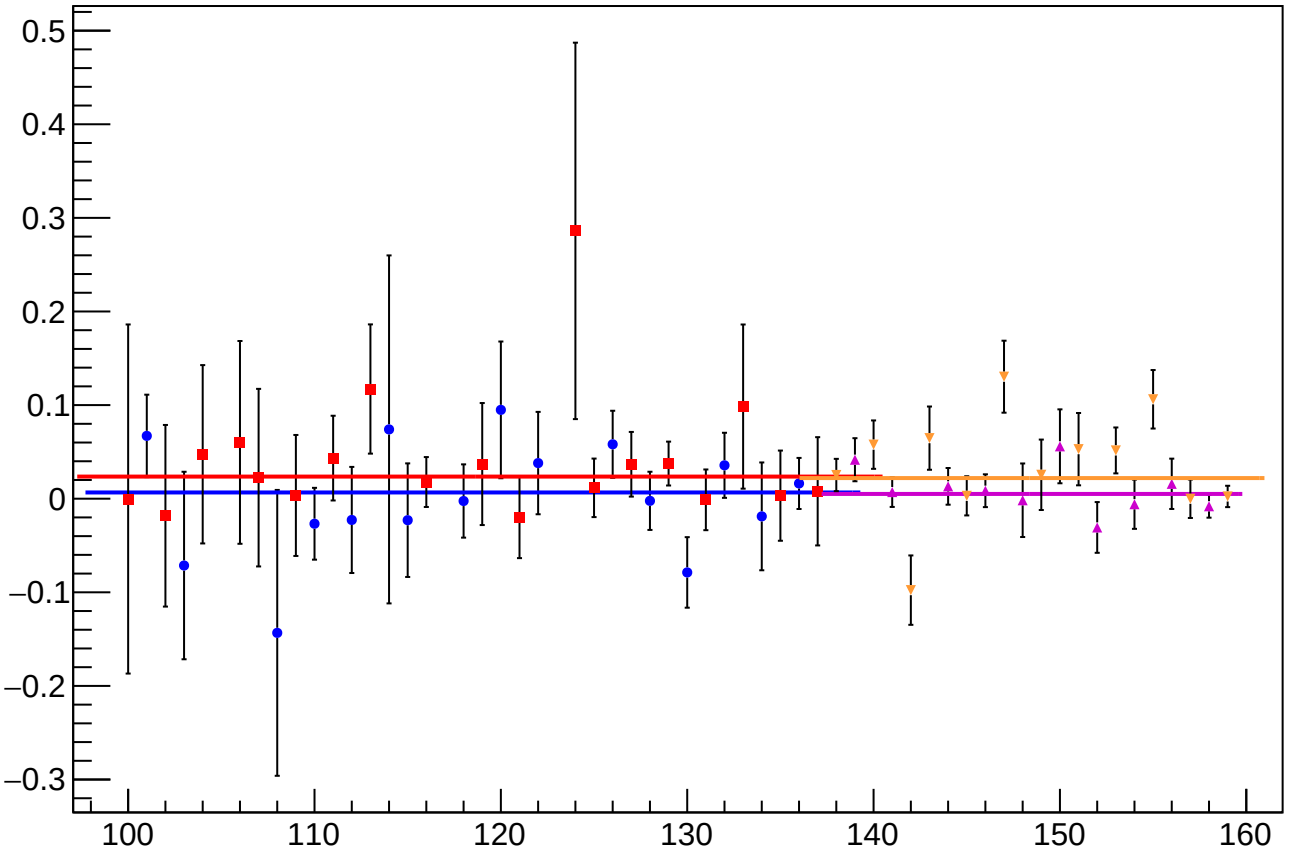
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.289+/-0.005 χ^2/NDF:1965275.1/9

+ sign 19.375+/-0.004 χ^2/NDF: 4808456.1/27

All: 18.752+/-0.003 χ^2/NDF: 10786344.2/56

- sign 18.153+/-0.004 χ^2/NDF: 5929665.8/28



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.022+/-0.007 χ^2/NDF:36.2/11

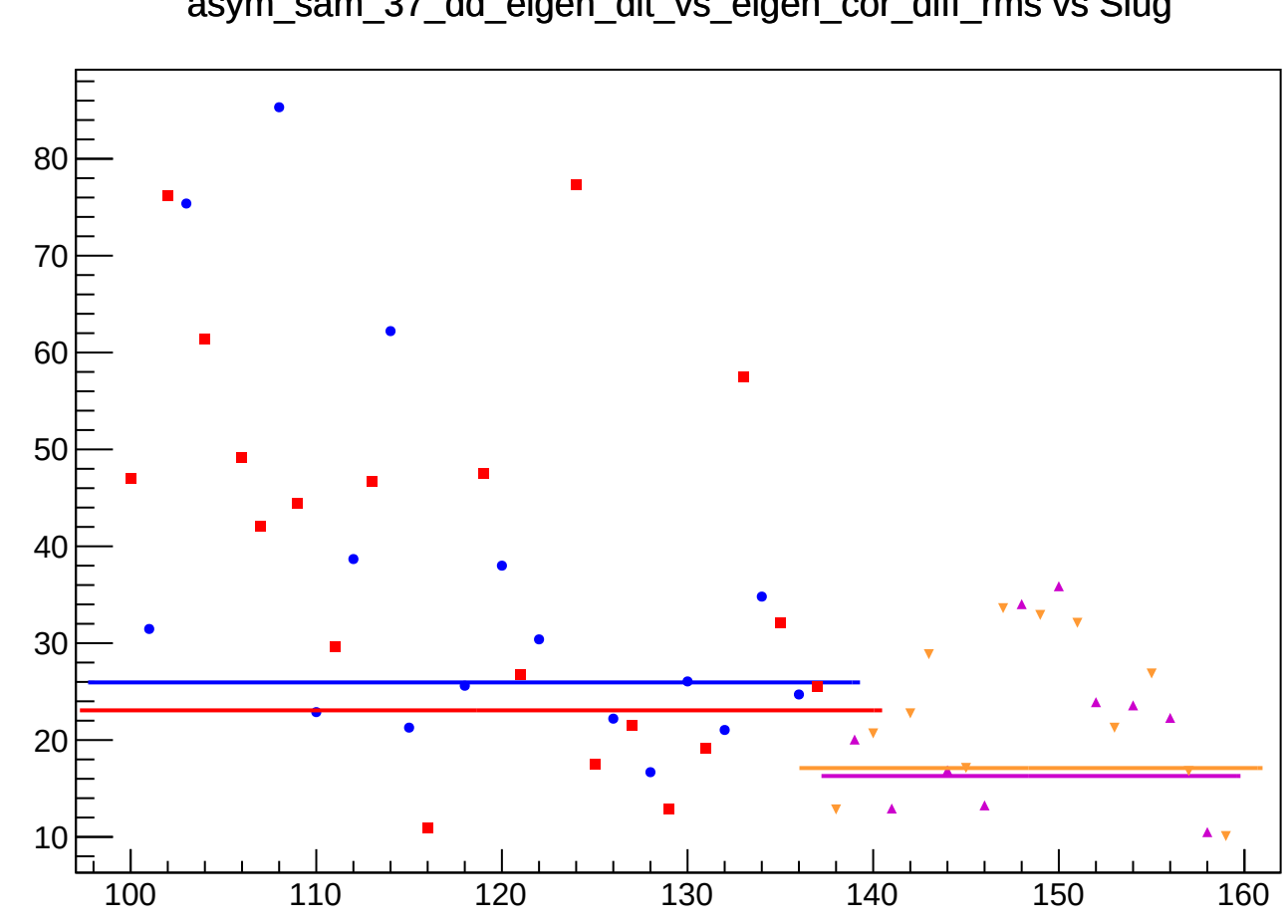
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.006 χ^2/NDF:7.7/9

+ sign 0.018+/-0.006 χ^2/NDF: 52.6/27

All: 0.014+/-0.004 χ^2/NDF: 71.1/56

- sign 0.010+/-0.006 χ^2/NDF: 17.5/28



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 17.109+/-0.005 χ^2/NDF:2483363.0/11

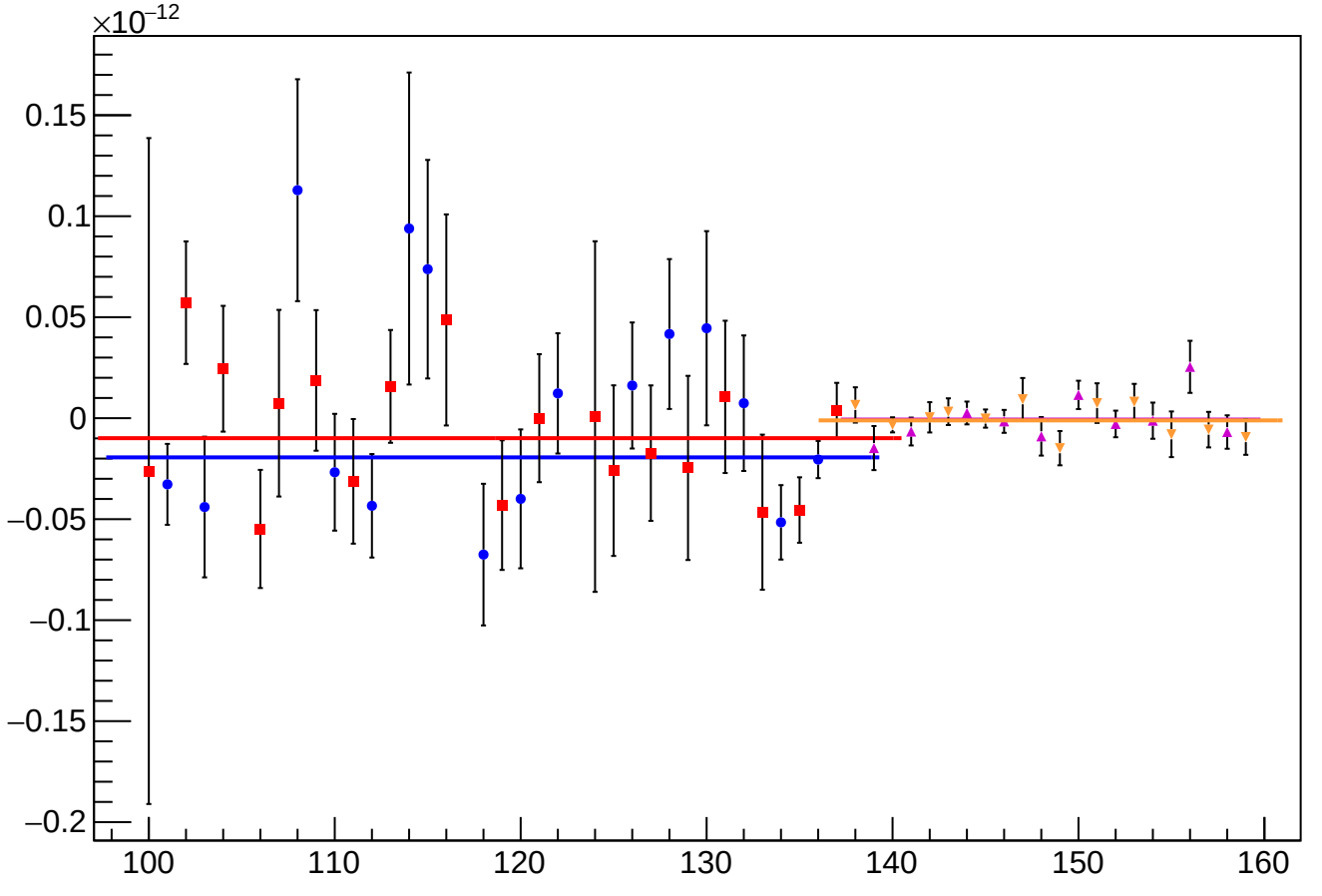
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 16.289+/-0.005 χ^2/NDF:1965275.1/9

\+ sign 19.375+/-0.004 χ^2/NDF: 4808456.1/27

All: 18.752+/-0.003 χ^2/NDF: 10786344.2/56

\- sign 18.153+/-0.004 χ^2/NDF: 5929665.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.6/11

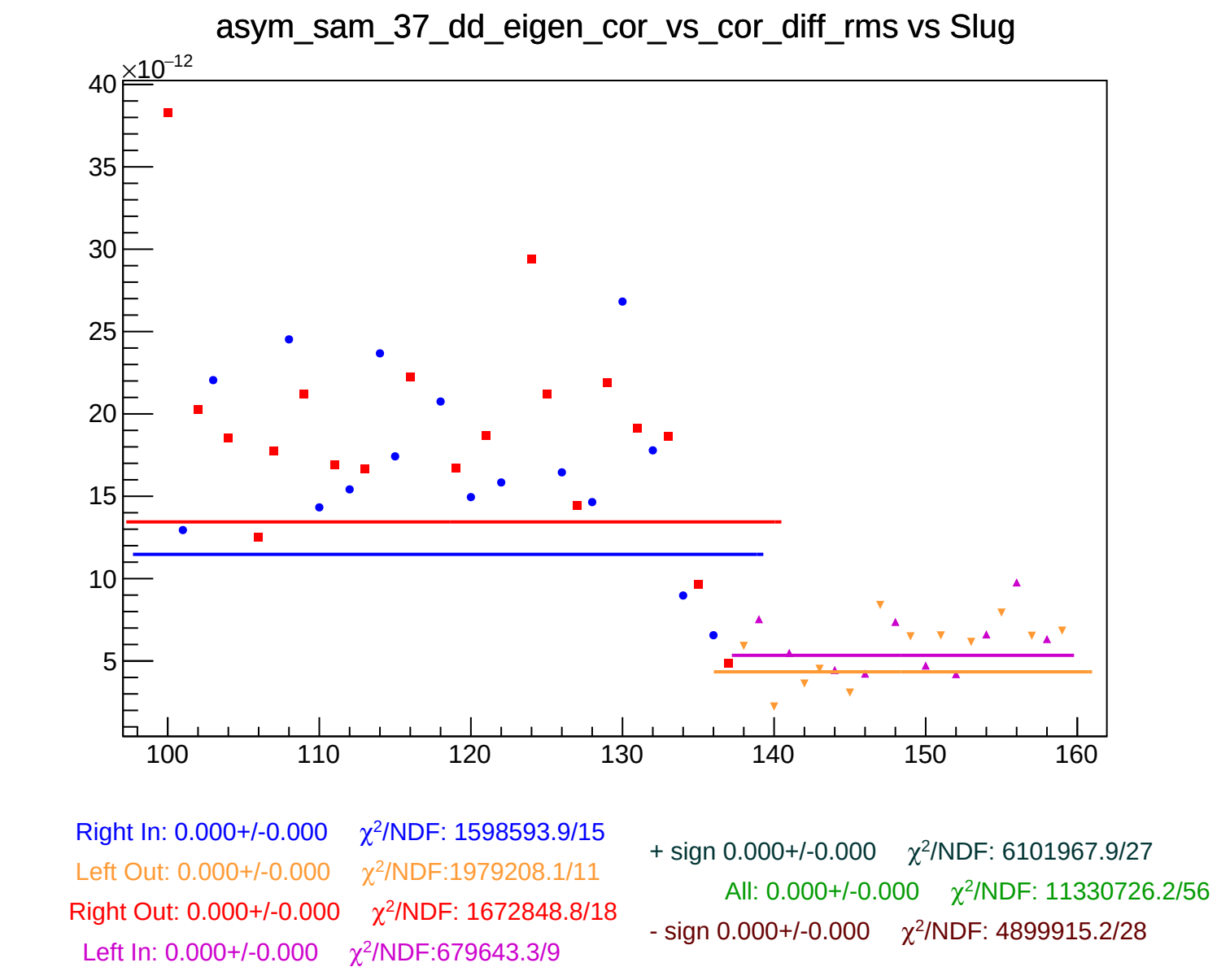
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/9

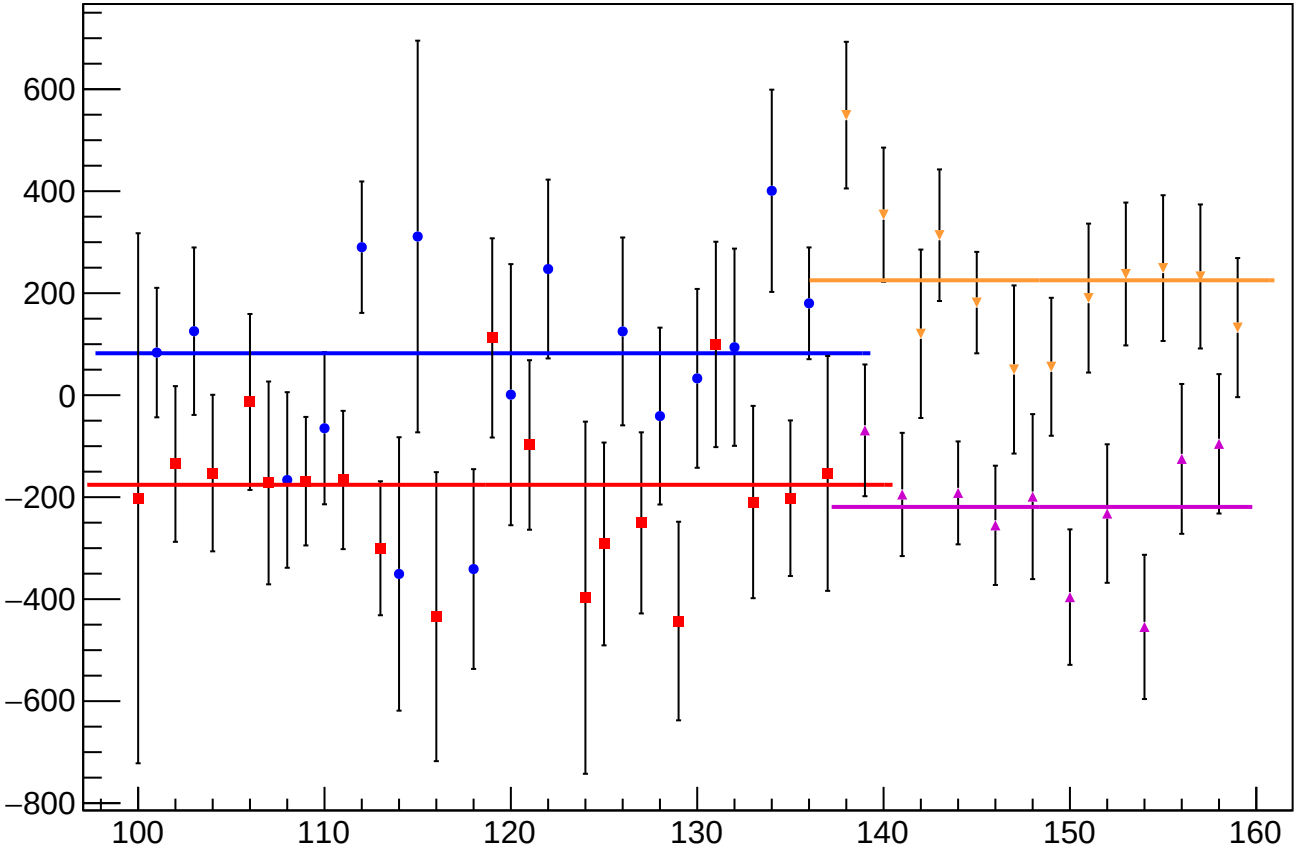
+ sign -0.000+/-0.000 χ^2/NDF: 42.6/27

All: -0.000+/-0.000 χ^2/NDF: 76.0/56

- sign -0.000+/-0.000 χ^2/NDF: 33.3/28


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
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:679643.3/9
+ sign 0.000+/-0.000 χ²/NDF: 6101967.9/27
All: 0.000+/-0.000 χ²/NDF: 11330726.2/56
- sign 0.000+/-0.000 χ²/NDF: 4899915.2/28

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

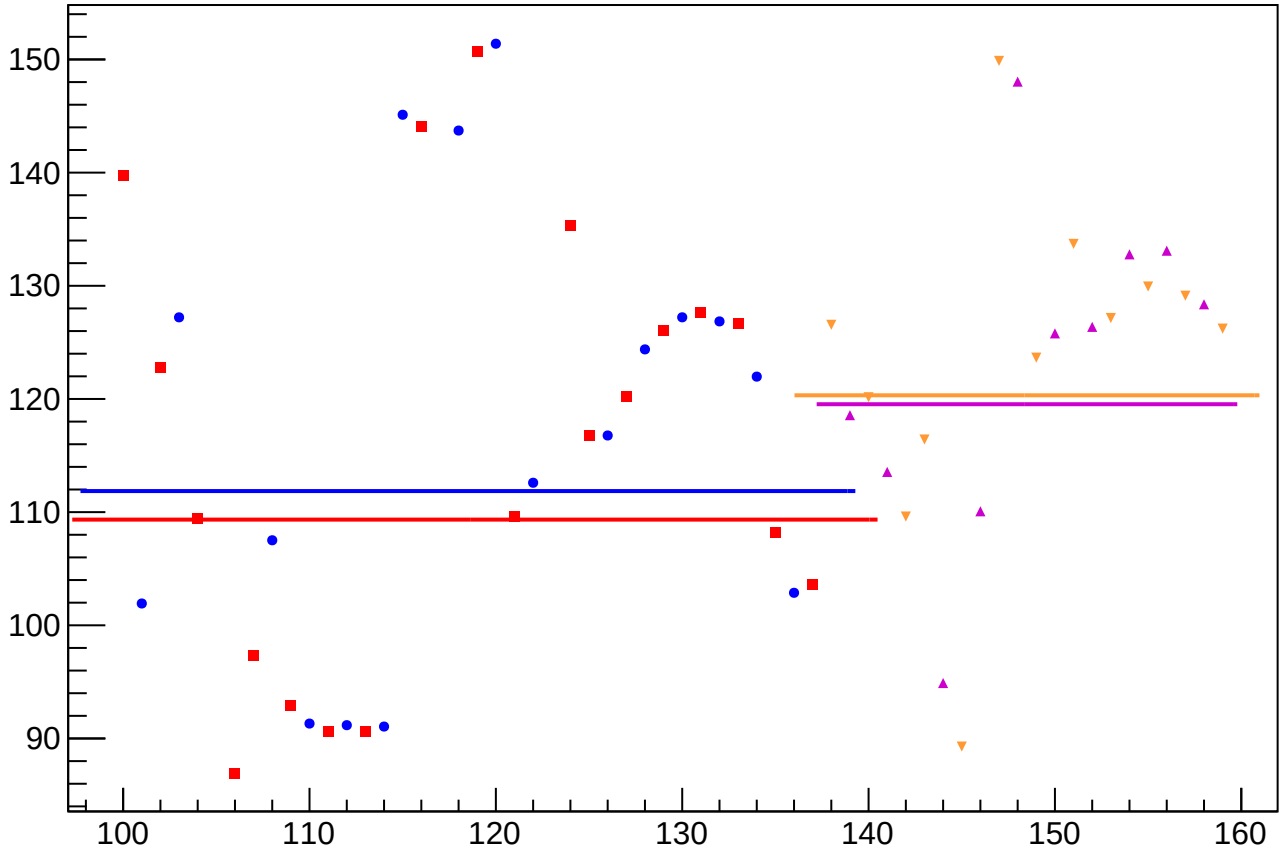
Left In: -219.117+/-40.871 χ^2/NDF:7.4/9

+ sign 158.639+/-28.754 χ^2/NDF: 34.9/27

All: -18.872+/-20.359 χ^2/NDF: 129.1/56

- sign -197.319+/-28.830 χ^2/NDF: 17.8/28

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

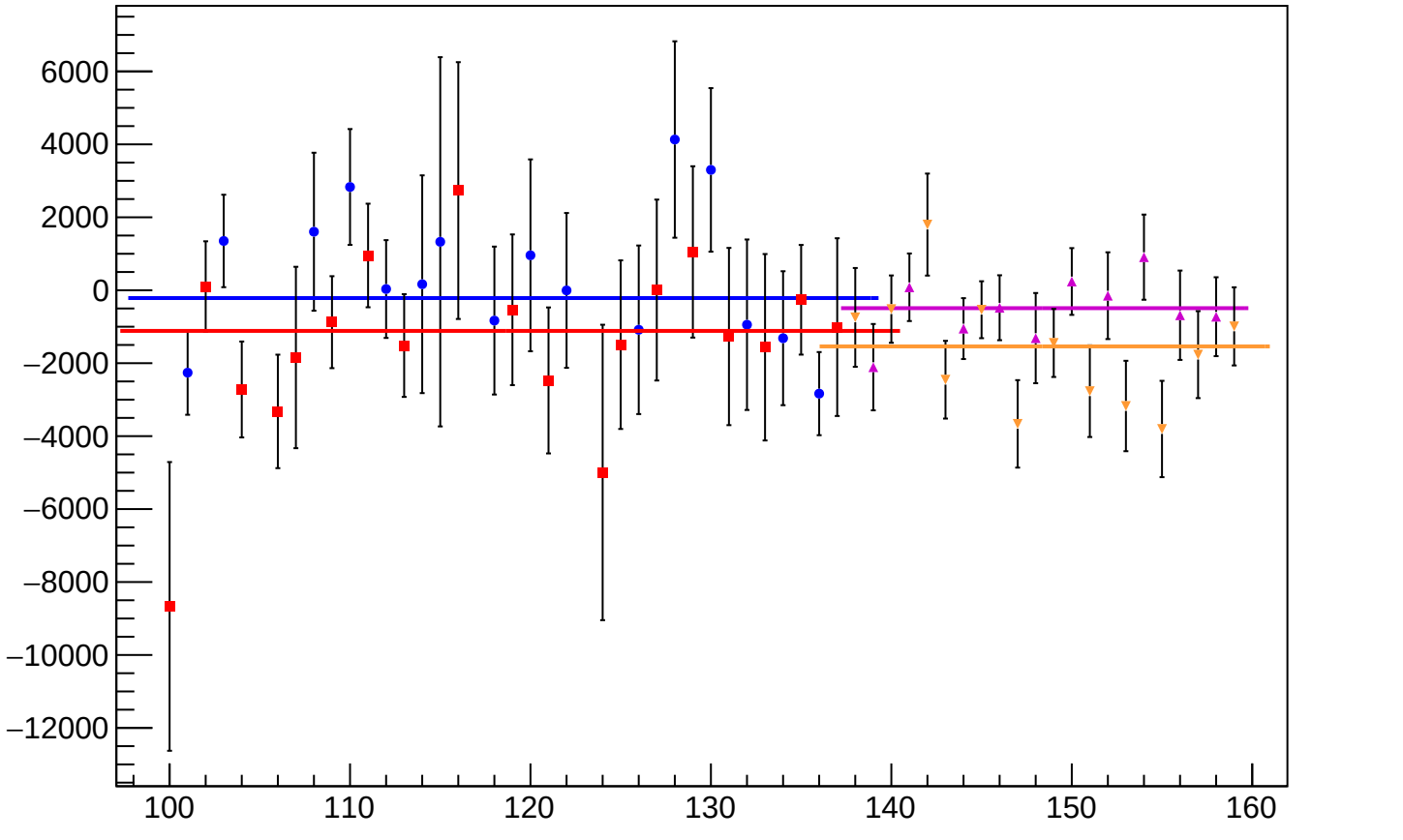
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

+ sign 116.383+/-0.020 χ^2/NDF: 665444.4/27

All: 115.401+/-0.014 χ^2/NDF: 1351689.7/56

- sign 114.413+/-0.020 χ^2/NDF: 681564.6/28



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

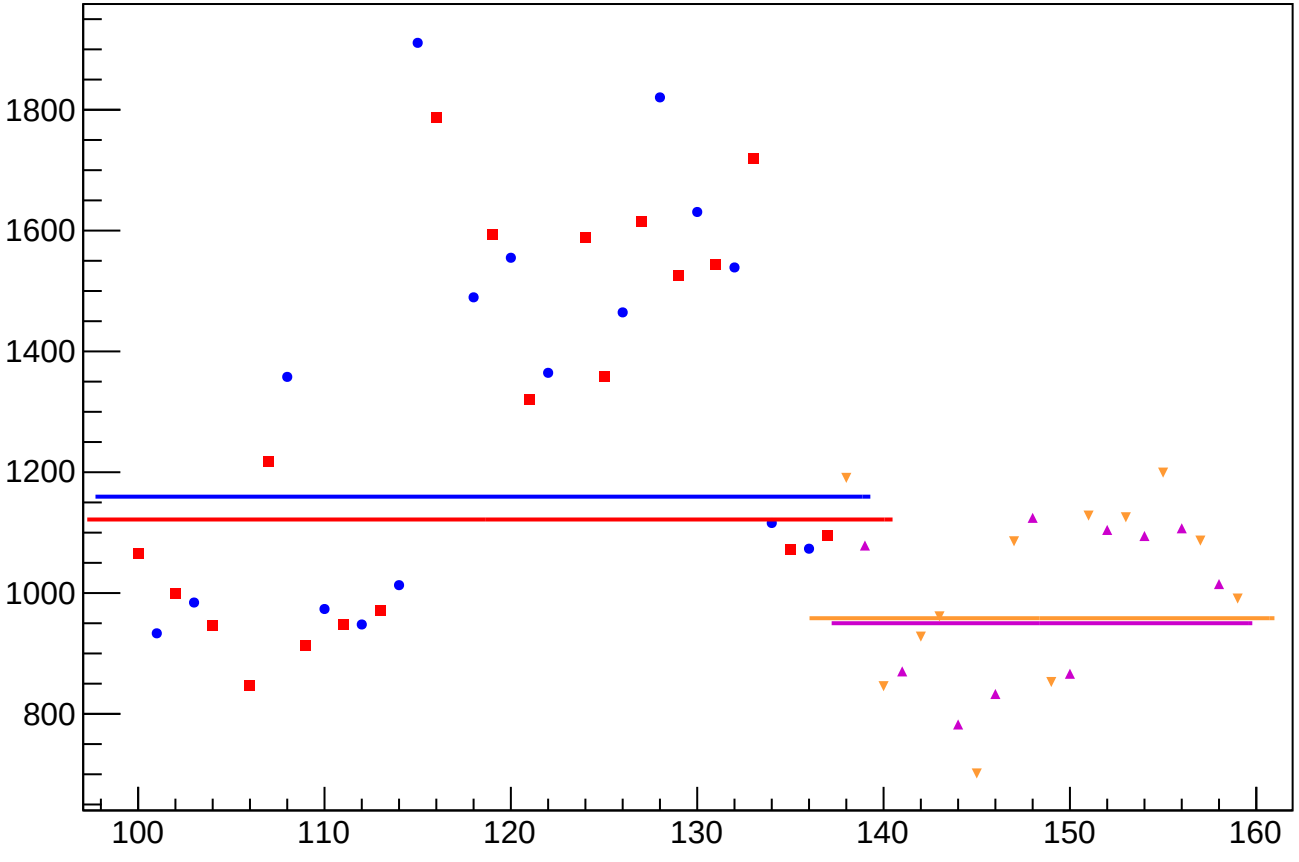
Left In: -491.663+/-326.388 χ^2/NDF:5.4/9

+ sign -1094.444+/-257.319 χ^2/NDF: 45.1/27

All: -910.082+/-182.338 χ^2/NDF: 67.4/56

- sign -724.146+/-258.415 χ^2/NDF: 21.3/28

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

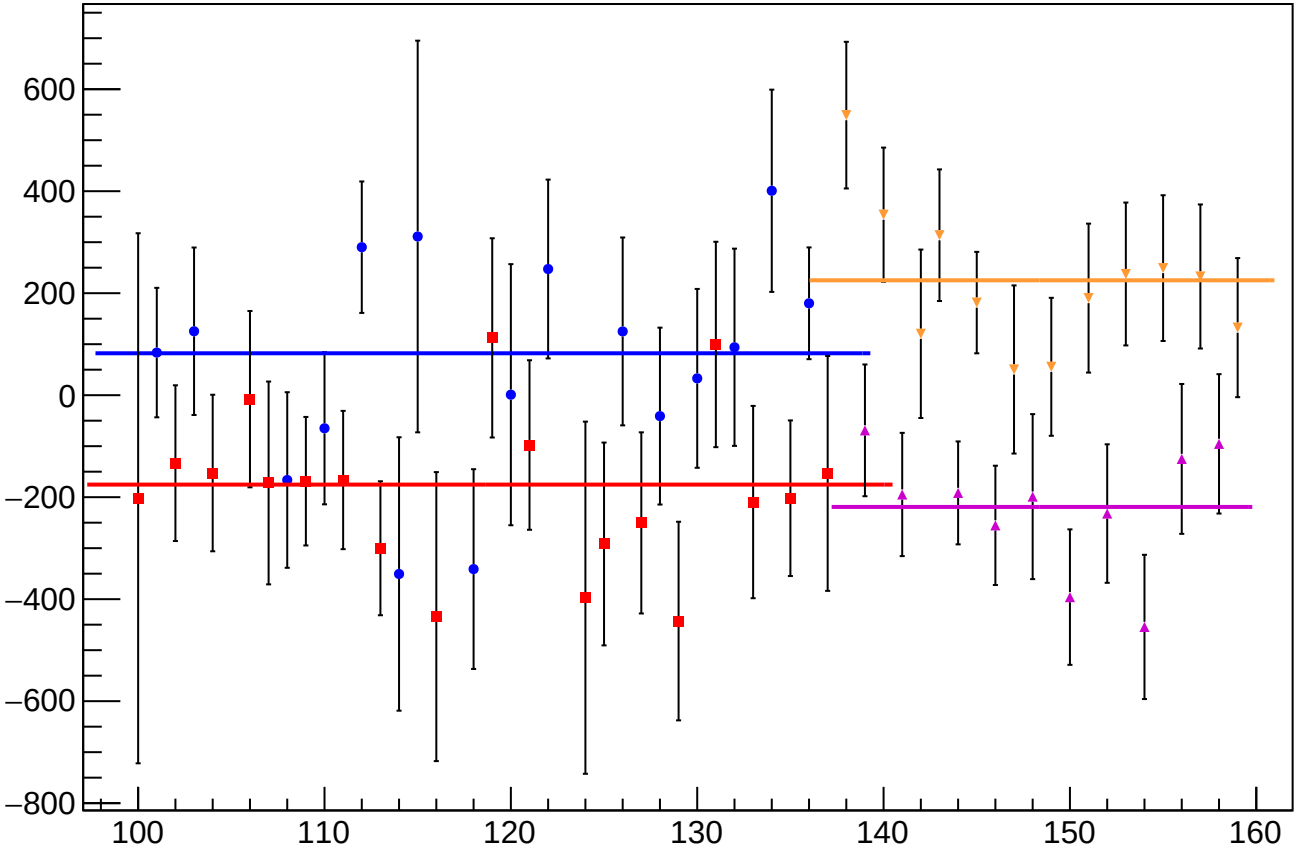
Left In: 950.064+/-0.231 χ^2/NDF:314655.7/9

+ sign 1025.947+/-0.182 χ^2/NDF: 1475652.5/27

All: 1020.063+/-0.129 χ^2/NDF: 2781179.9/56

- sign 1014.128+/-0.183 χ^2/NDF: 1303426.8/28

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

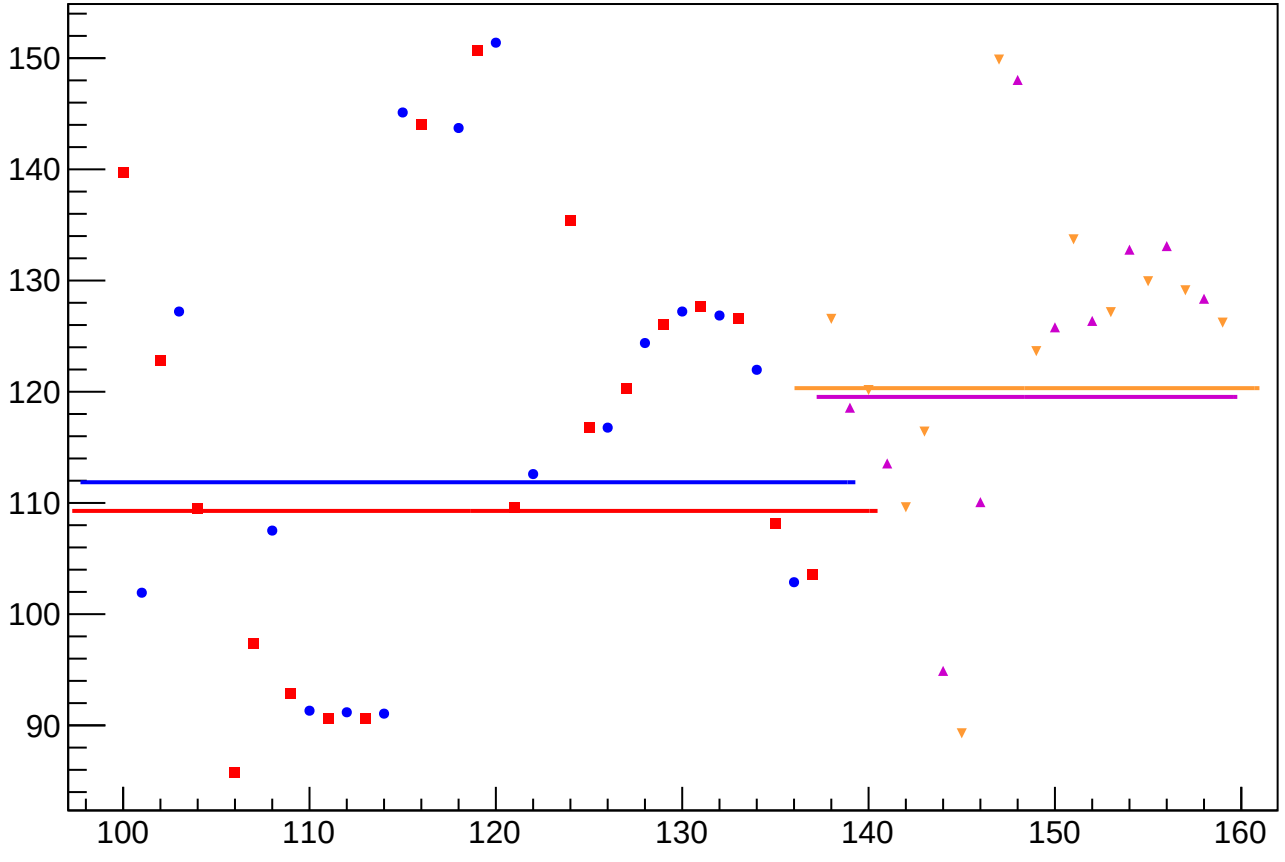
Left In: -219.120+/-40.871 χ^2/NDF:7.4/9

+ sign 158.634+/-28.754 χ^2/NDF: 34.9/27

All: -18.766+/-20.360 χ^2/NDF: 129.1/56

- sign -197.126+/-28.832 χ^2/NDF: 17.9/28

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

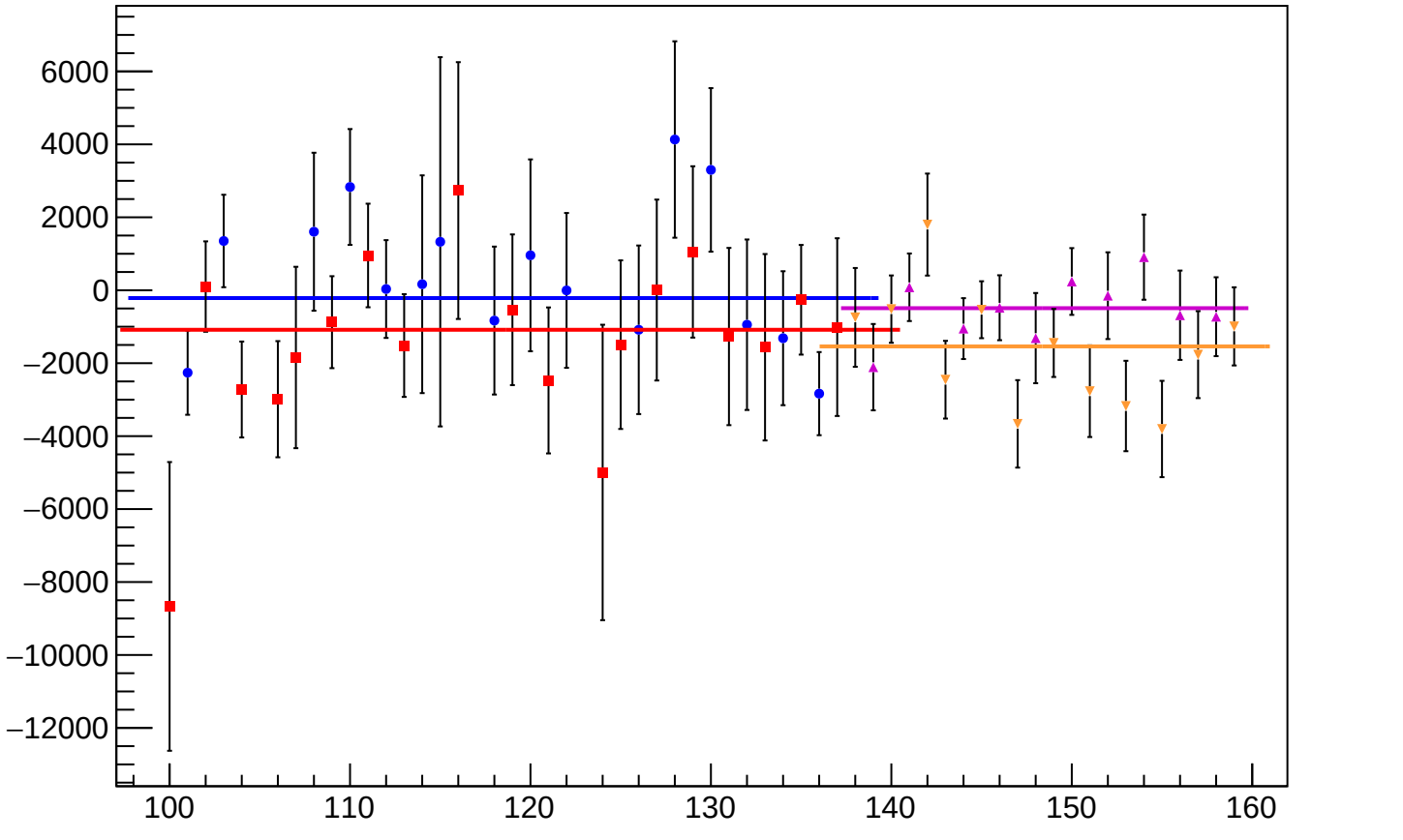
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

+ sign 116.383+/-0.020 χ^2/NDF: 665445.3/27

All: 115.387+/-0.014 χ^2/NDF: 1355995.3/56

- sign 114.386+/-0.020 χ^2/NDF: 685738.1/28



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1539.738+/-315.766 χ^2/NDF:18.8/11

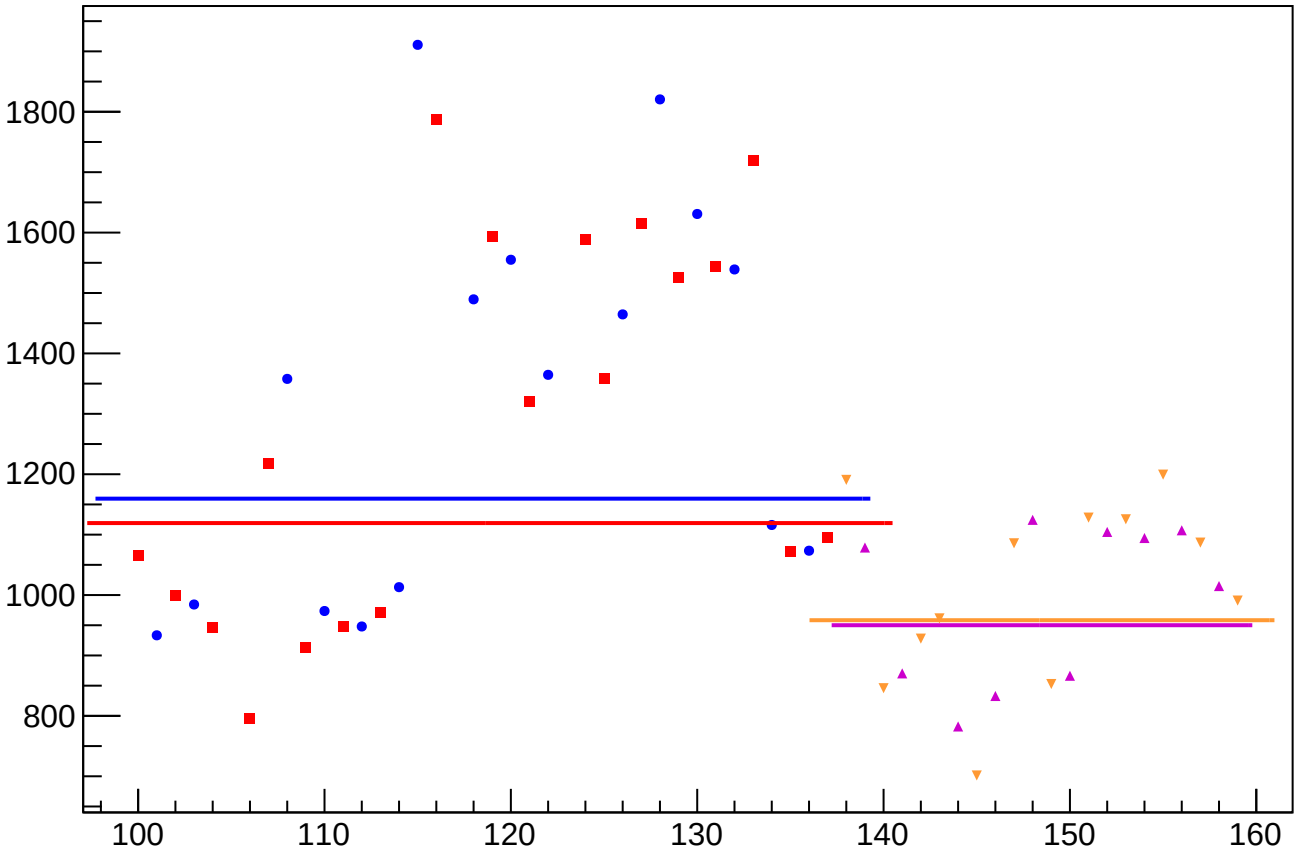
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -491.670+/-326.388 χ^2/NDF:5.4/9

+ sign -1094.478+/-257.319 χ^2/NDF: 45.1/27

All: -904.271+/-182.397 χ^2/NDF: 66.7/56

- sign -712.192+/-258.583 χ^2/NDF: 20.5/28



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

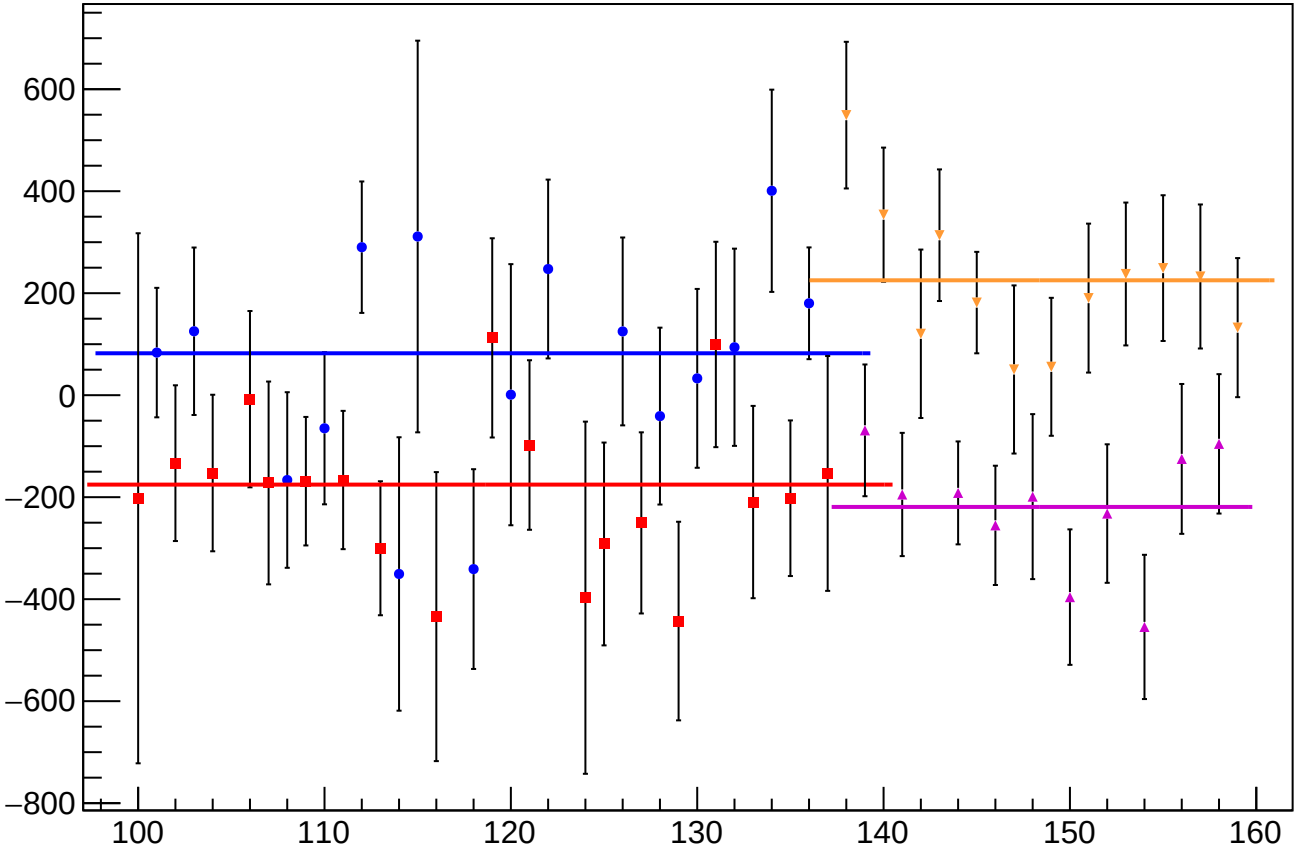
Left In: 950.064+/-0.231 χ^2/NDF:314653.3/9

+ sign 1025.949+/-0.182 χ^2/NDF: 1475647.7/27

All: 1019.518+/-0.129 χ^2/NDF: 2795829.9/56

- sign 1013.022+/-0.183 χ^2/NDF: 1317670.9/28

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

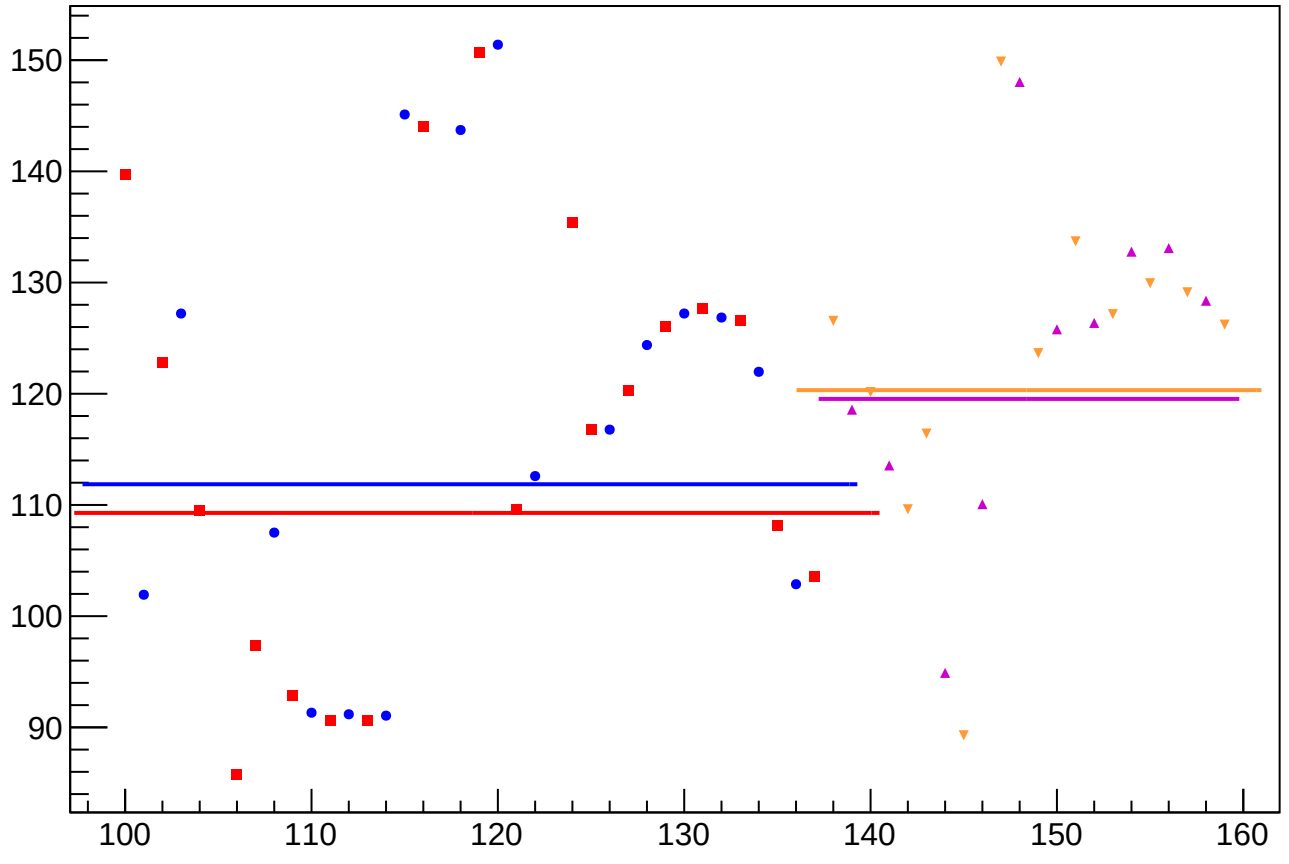
Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: -219.120+/-40.871 χ^2/NDF:7.4/9

+ sign 158.634+/-28.754 χ^2/NDF: 34.9/27

All: -18.766+/-20.360 χ^2/NDF: 129.1/56

- sign -197.126+/-28.832 χ^2/NDF: 17.9/28



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.324+/-0.028 χ^2/NDF:316322.0/11

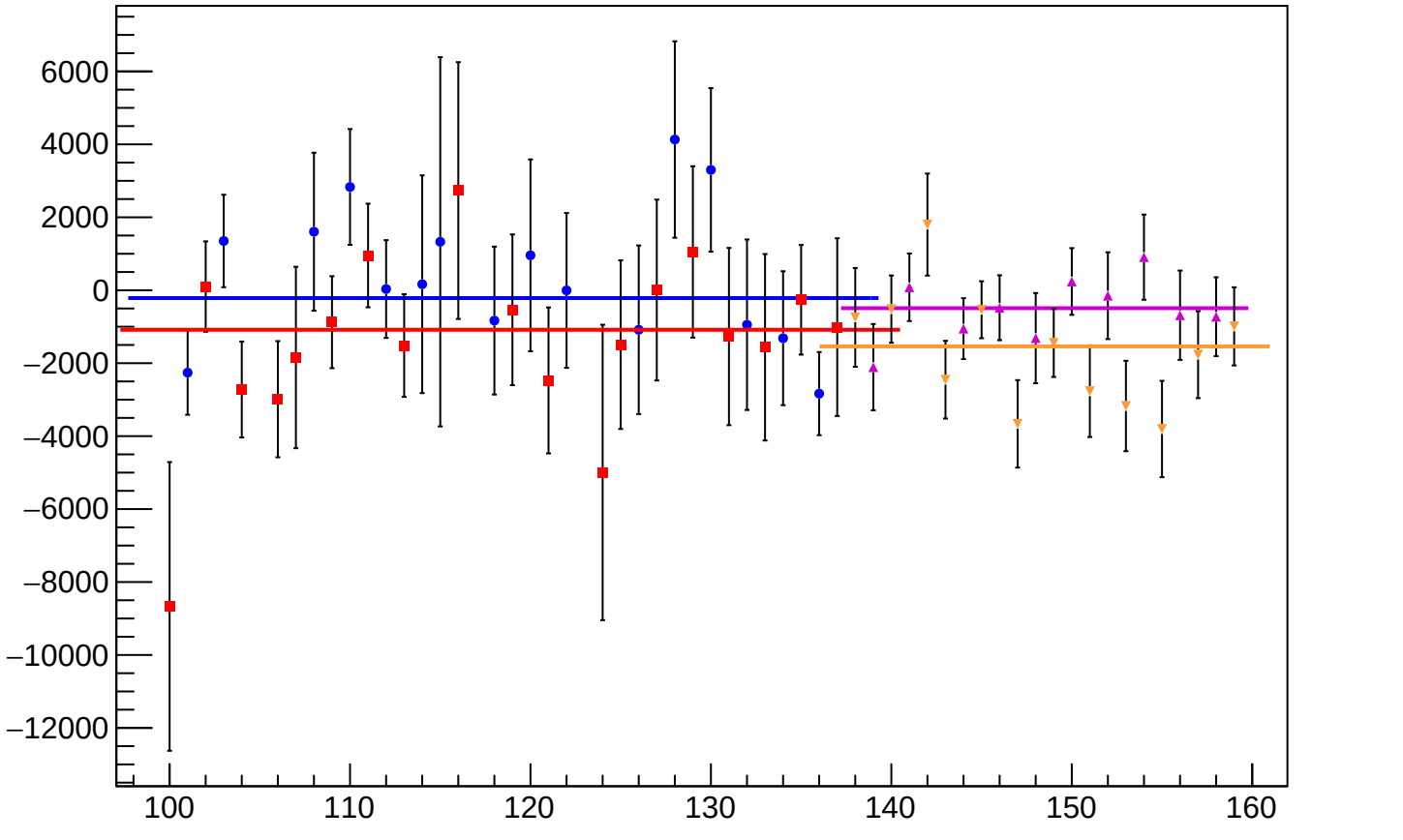
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 119.535+/-0.029 χ^2/NDF:251819.5/9

+ sign 116.383+/-0.020 χ^2/NDF: 665445.3/27

All: 115.387+/-0.014 χ^2/NDF: 1355995.3/56

- sign 114.386+/-0.020 χ^2/NDF: 685738.1/28



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1539.738+/-315.766 χ^2/NDF:18.8/11

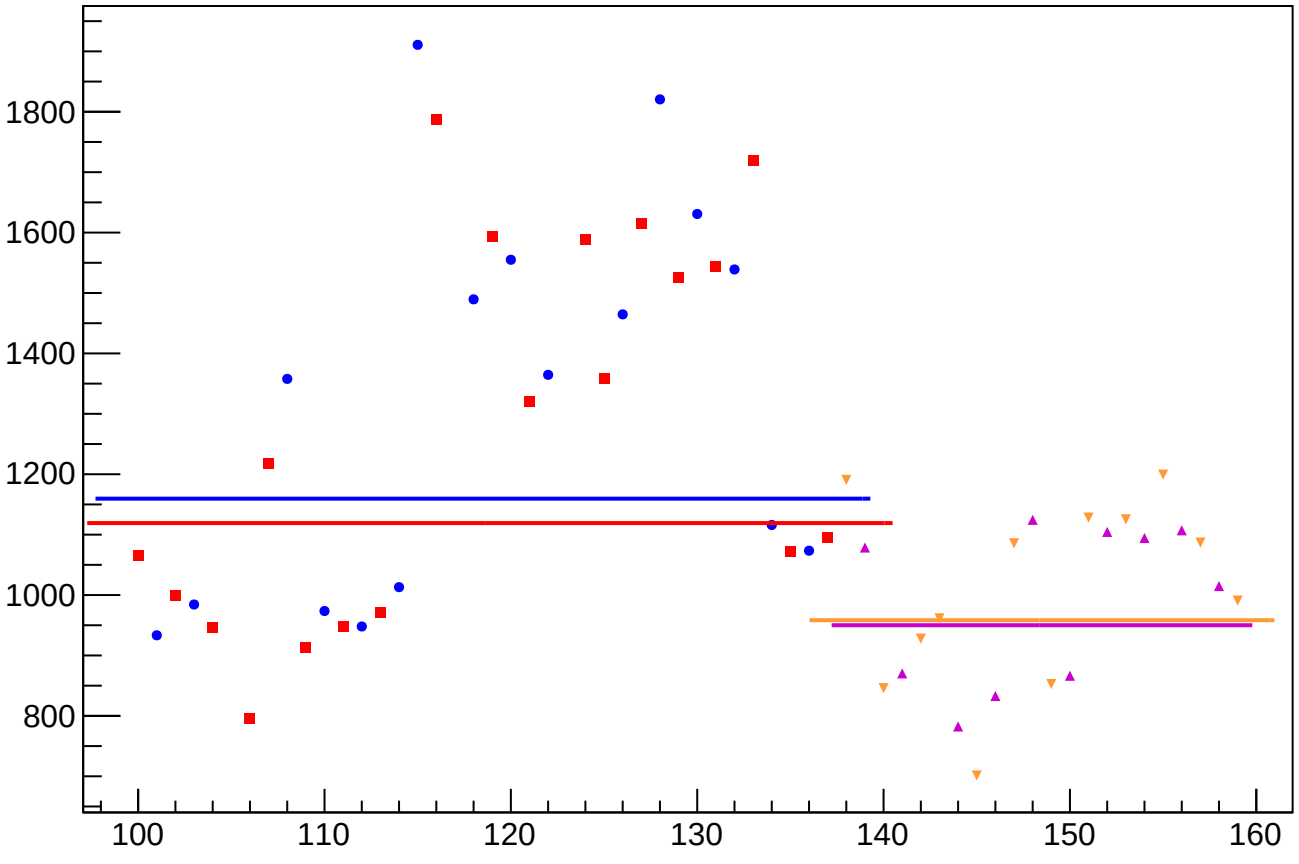
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -491.670+/-326.388 χ^2/NDF:5.4/9

+ sign -1094.478+/-257.319 χ^2/NDF: 45.1/27

All: -904.271+/-182.397 χ^2/NDF: 66.7/56

- sign -712.192+/-258.583 χ^2/NDF: 20.5/28



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

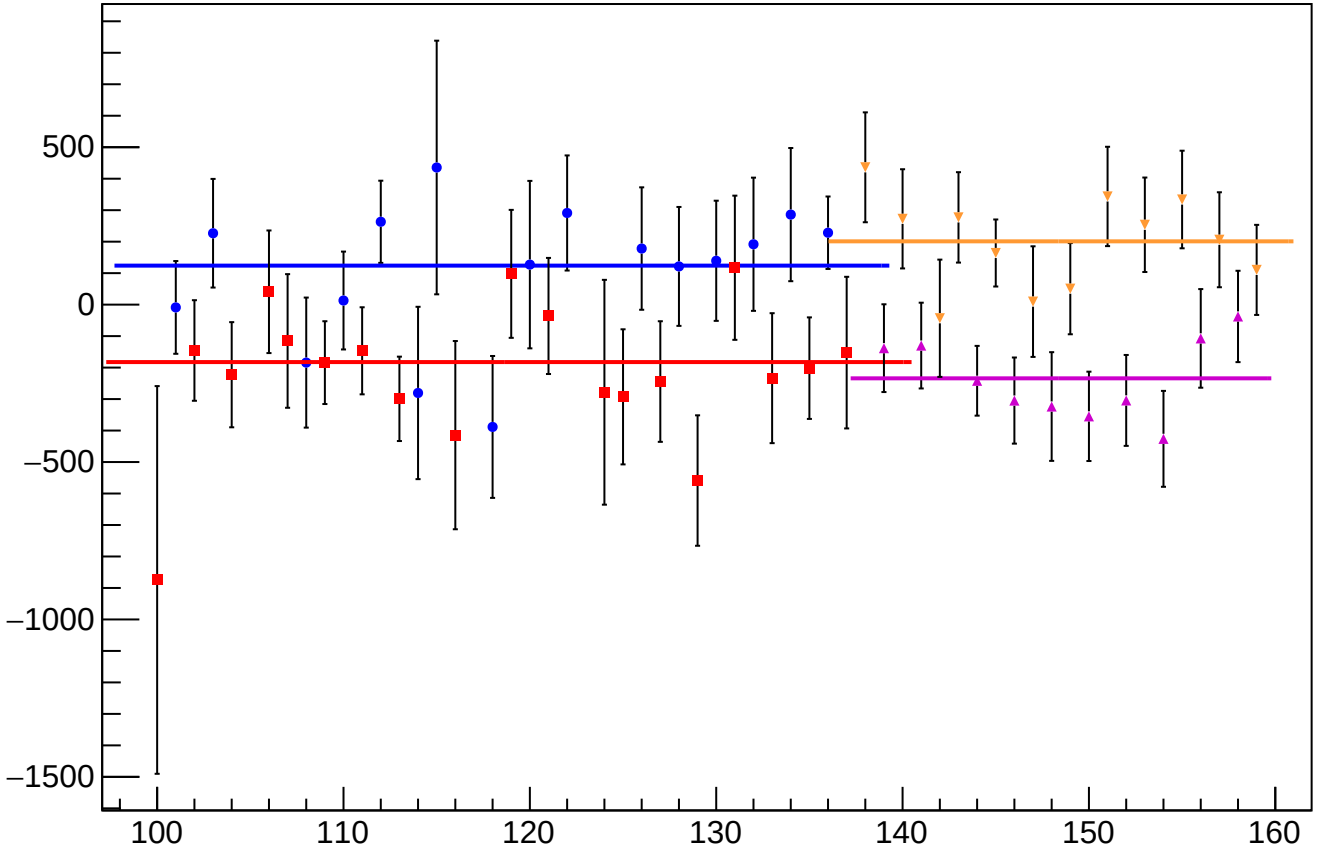
Left In: 950.064+/-0.231 χ^2/NDF:314653.3/9

+ sign 1025.949+/-0.182 χ^2/NDF: 1475647.7/27

All: 1019.518+/-0.129 χ^2/NDF: 2795829.9/56

- sign 1013.022+/-0.183 χ^2/NDF: 1317670.9/28

dit_asym_sam_48_dd_mean vs Slug



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

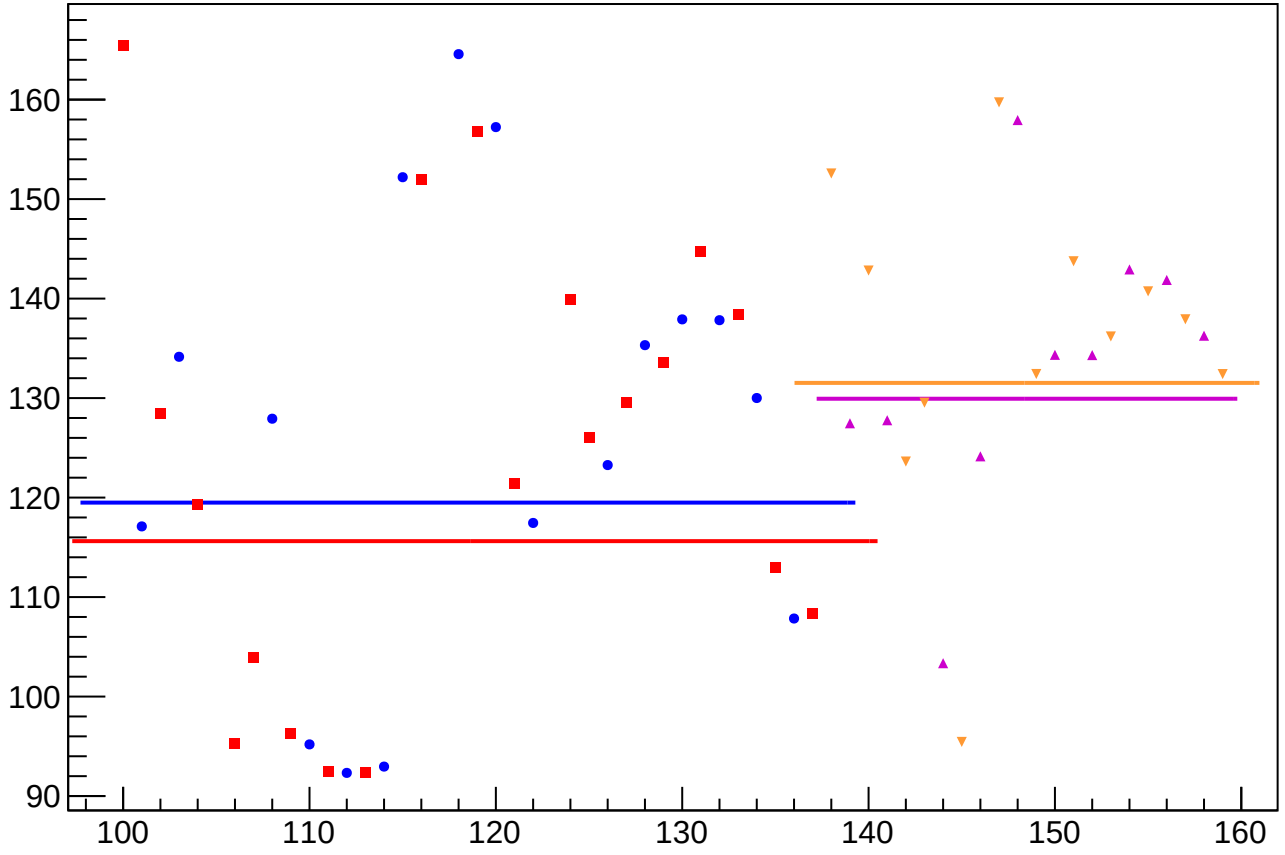
Left In: -234.131+/-44.595 χ^2/NDF:6.6/9

+ sign 164.303+/-31.213 χ^2/NDF: 25.4/27

All: -22.644+/-22.009 χ^2/NDF: 116.4/56

- sign -207.493+/-31.038 χ^2/NDF: 19.6/28

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

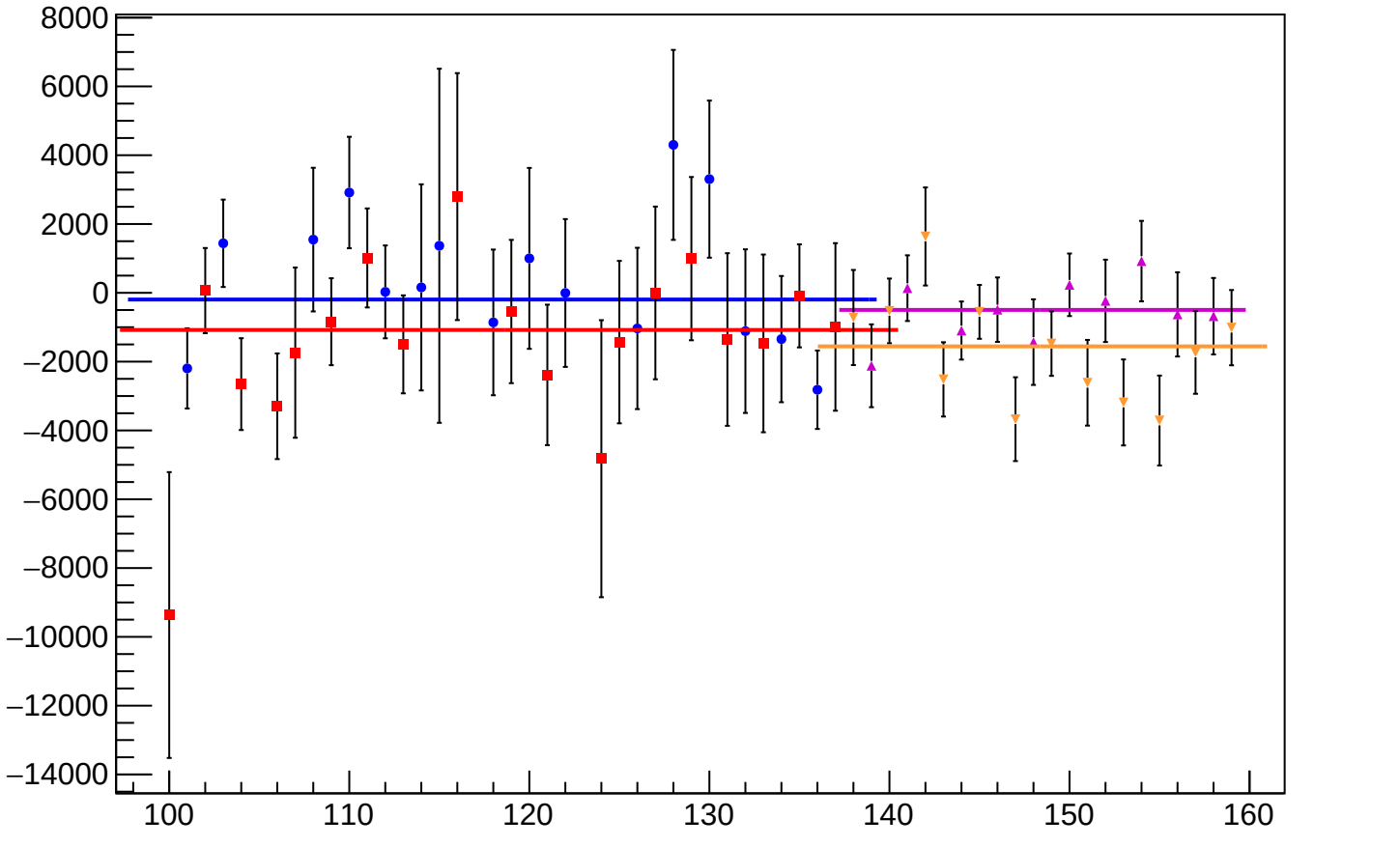
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 129.934+/-0.032 χ^2/NDF:206236.7/9

+ sign 125.799+/-0.022 χ^2/NDF: 803750.5/27

All: 124.168+/-0.016 χ^2/NDF: 1554032.8/56

- sign 122.555+/-0.022 χ^2/NDF: 739419.3/28



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

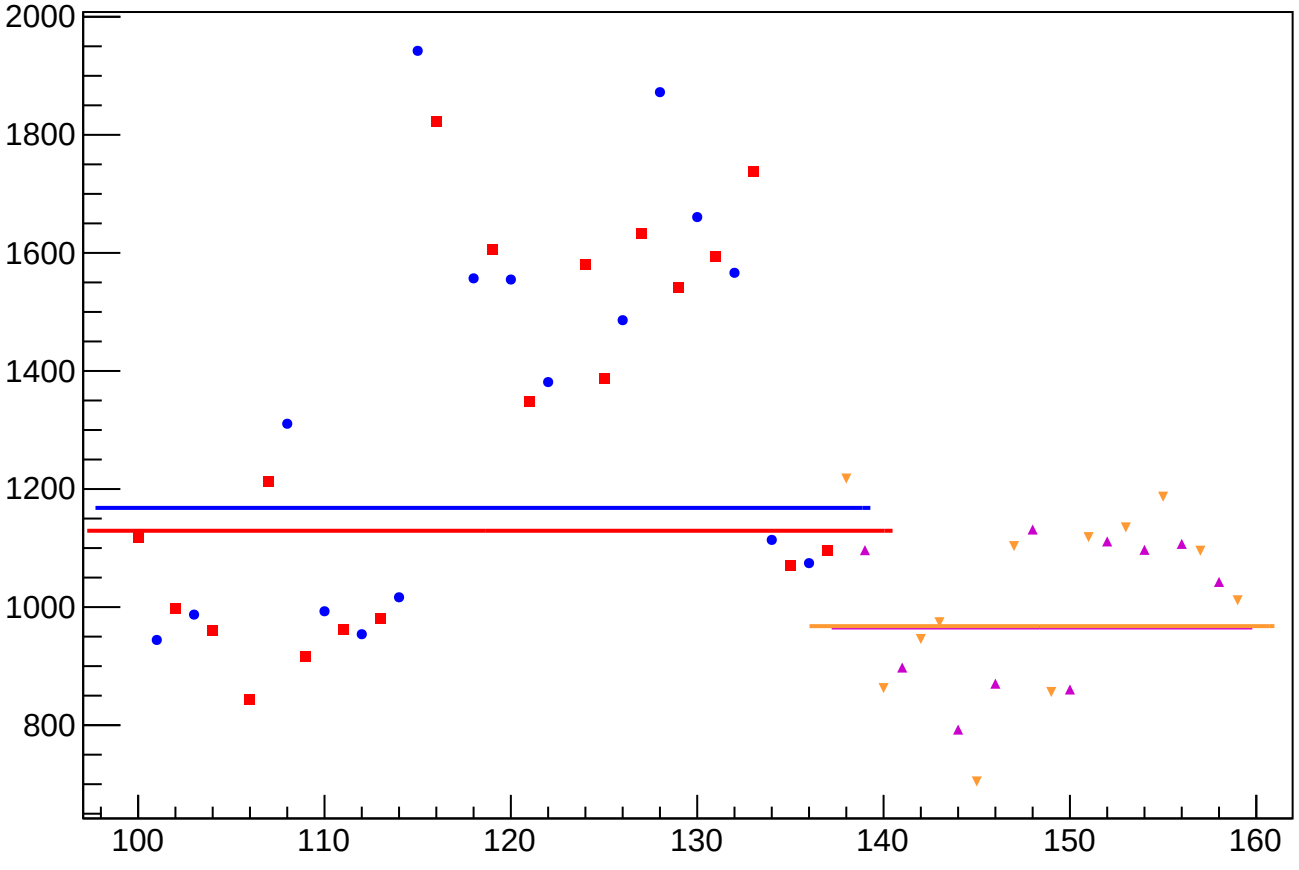
Left In: -496.205+/-331.590 χ^2/NDF:5.5/9

+ sign -1098.236+/-259.548 χ^2/NDF: 44.0/27

All: -908.794+/-184.268 χ^2/NDF: 66.3/56

- sign -716.267+/-261.653 χ^2/NDF: 21.3/28

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

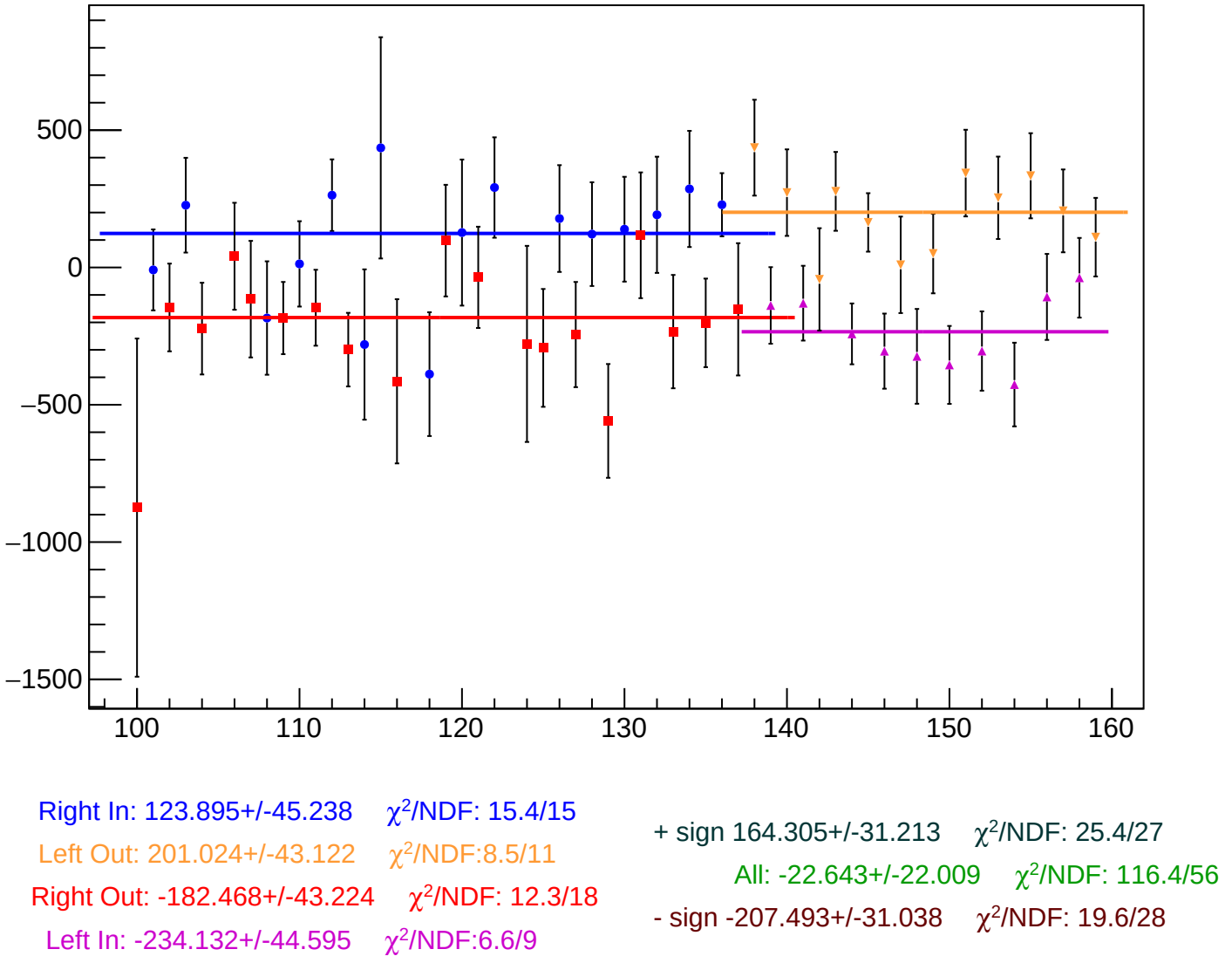
Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 965.454+/-0.234 χ^2/NDF:292126.3/9

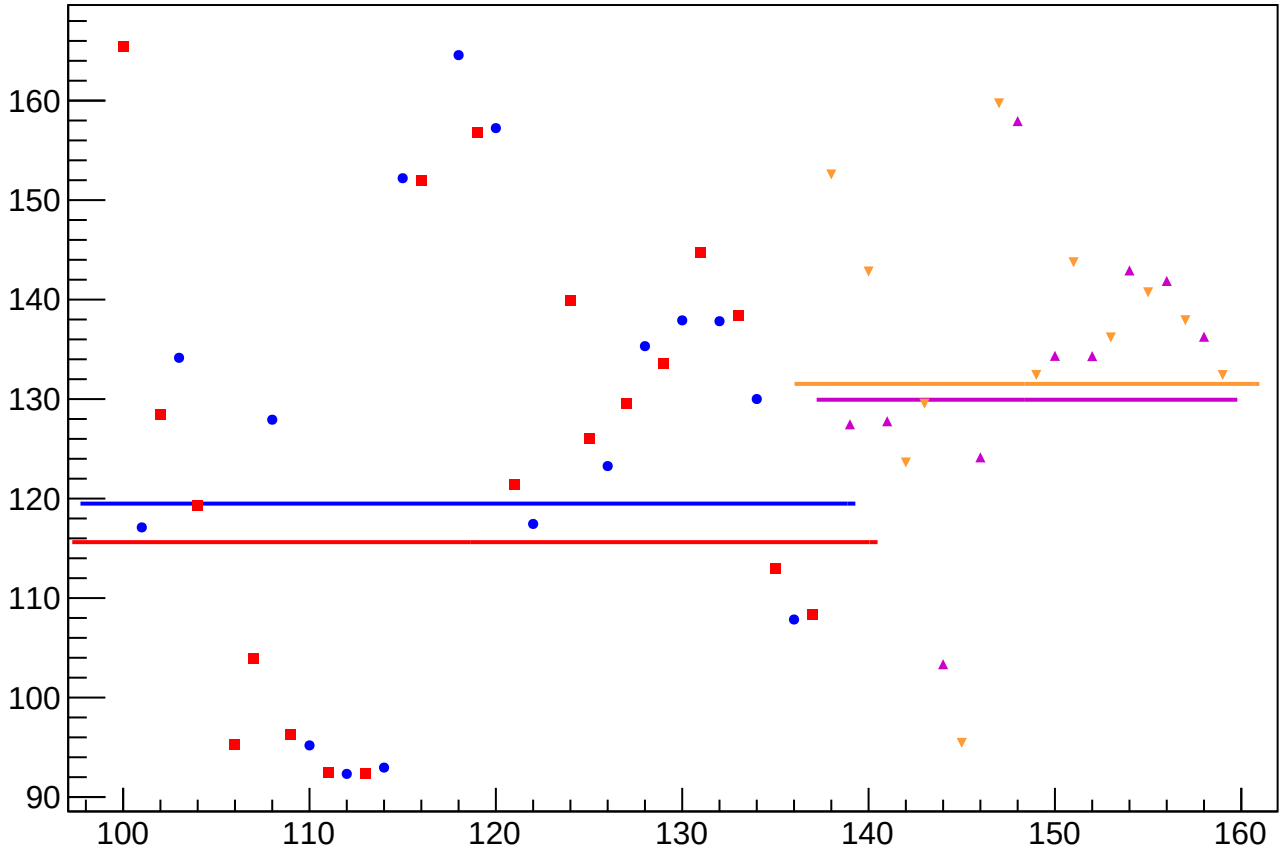
+ sign 1035.174+/-0.184 χ^2/NDF: 1492456.5/27

All: 1031.262+/-0.130 χ^2/NDF: 2777019.7/56

- sign 1027.286+/-0.185 χ^2/NDF: 1283646.9/28


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: -234.132+/-44.595 χ²/NDF:6.6/9
+ sign 164.305+/-31.213 χ²/NDF: 25.4/27
All: -22.643+/-22.009 χ²/NDF: 116.4/56
- sign -207.493+/-31.038 χ²/NDF: 19.6/28

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

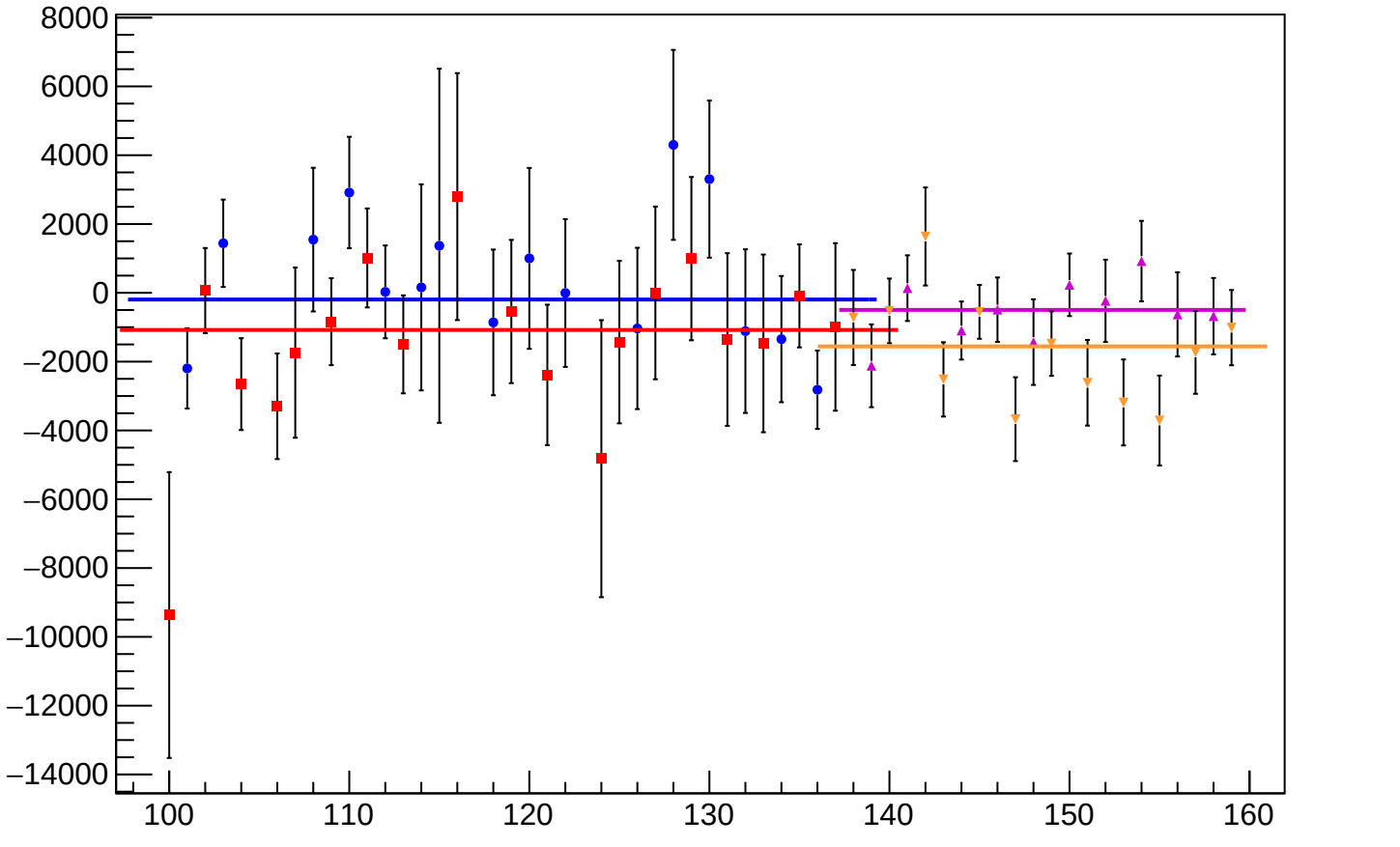
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 129.934+/-0.032 χ^2/NDF:206235.3/9

+ sign 125.799+/-0.022 χ^2/NDF: 803752.7/27

All: 124.168+/-0.016 χ^2/NDF: 1554040.3/56

- sign 122.555+/-0.022 χ^2/NDF: 739424.4/28



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

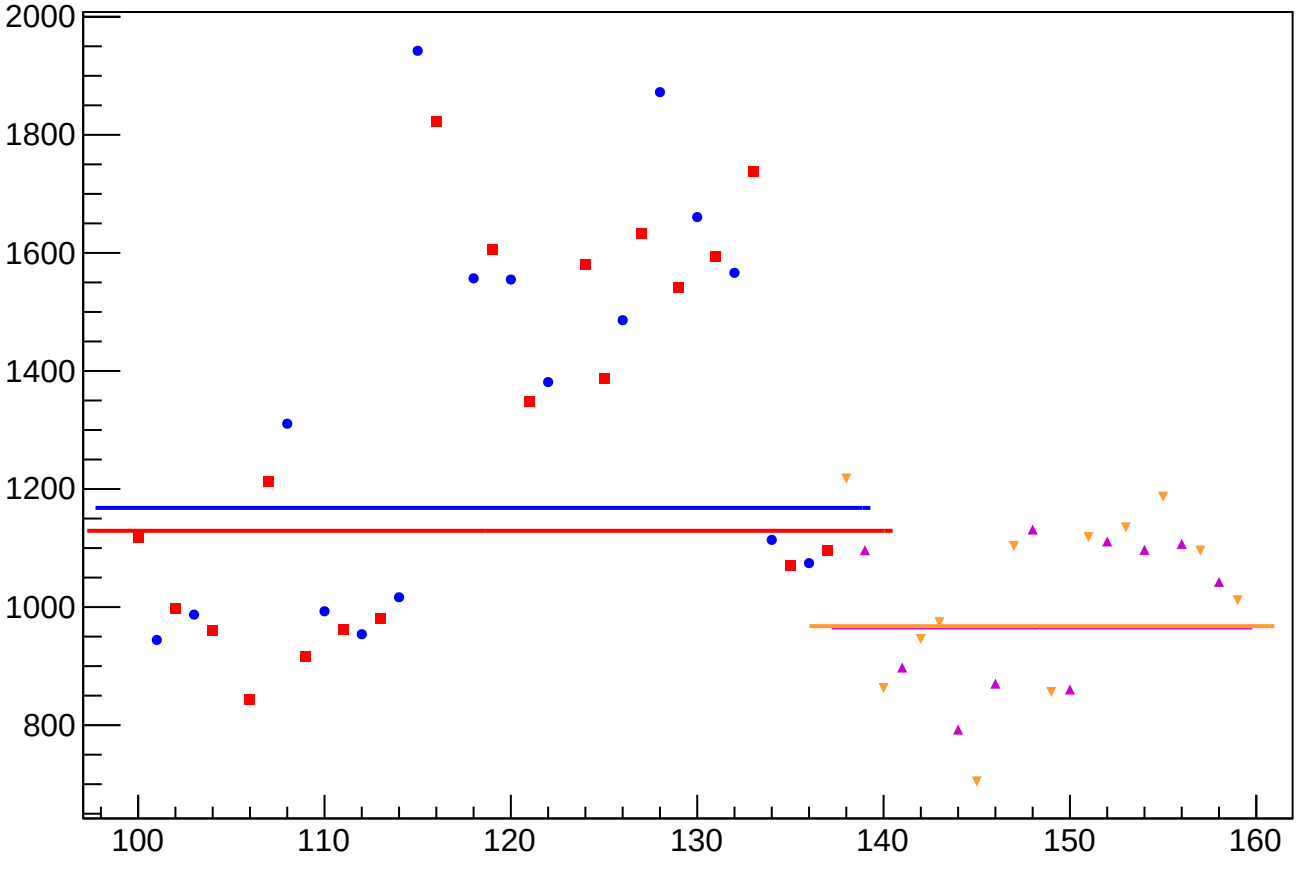
Left In: -496.205+/-331.590 χ^2/NDF:5.5/9

+ sign -1098.234+/-259.548 χ^2/NDF: 44.0/27

All: -908.793+/-184.268 χ^2/NDF: 66.3/56

- sign -716.267+/-261.653 χ^2/NDF: 21.3/28

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

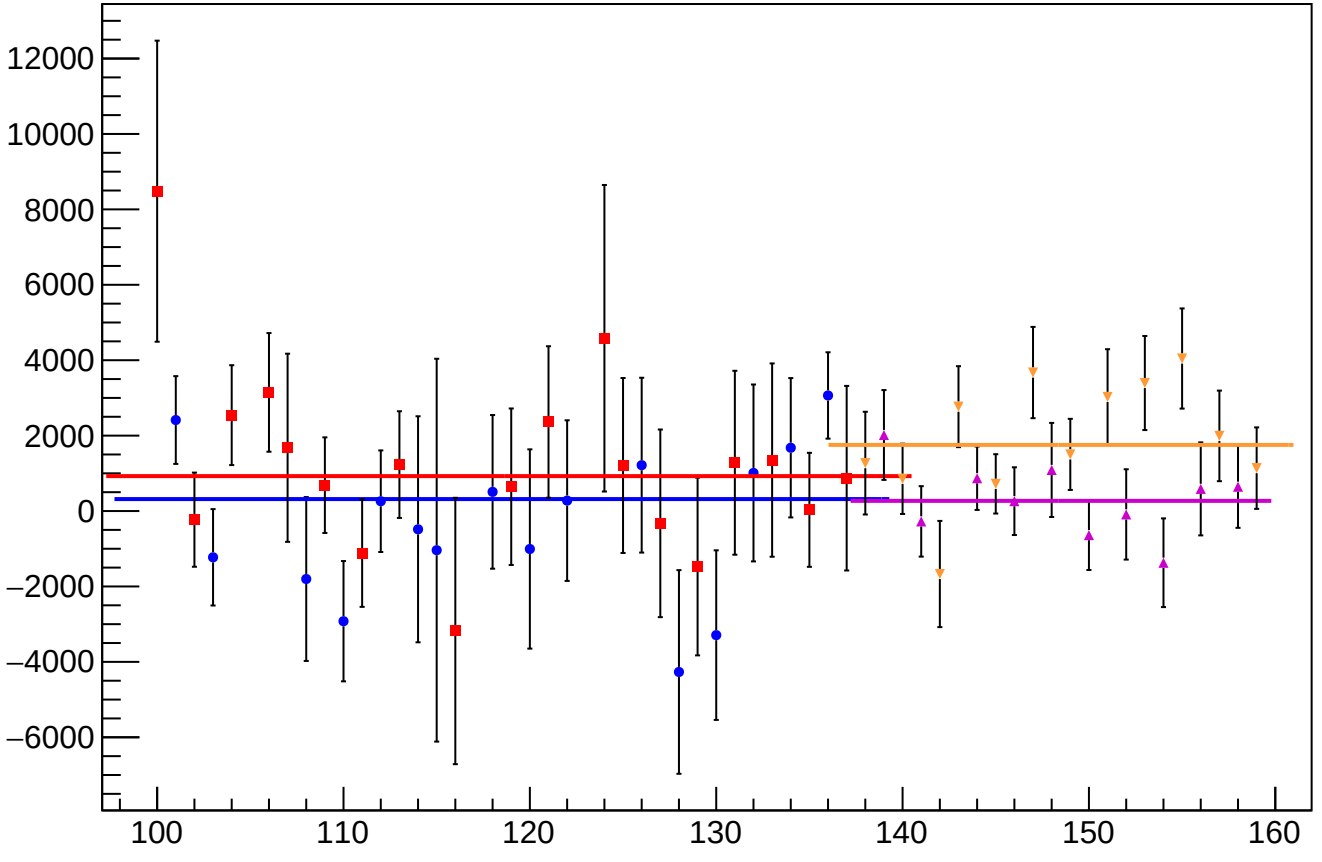
Left In: 965.454+/-0.234 χ^2/NDF:292124.3/9

+ sign 1035.174+/-0.184 χ^2/NDF: 1492463.6/27

All: 1031.262+/-0.130 χ^2/NDF: 2777025.9/56

- sign 1027.286+/-0.185 χ^2/NDF: 1283646.2/28

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

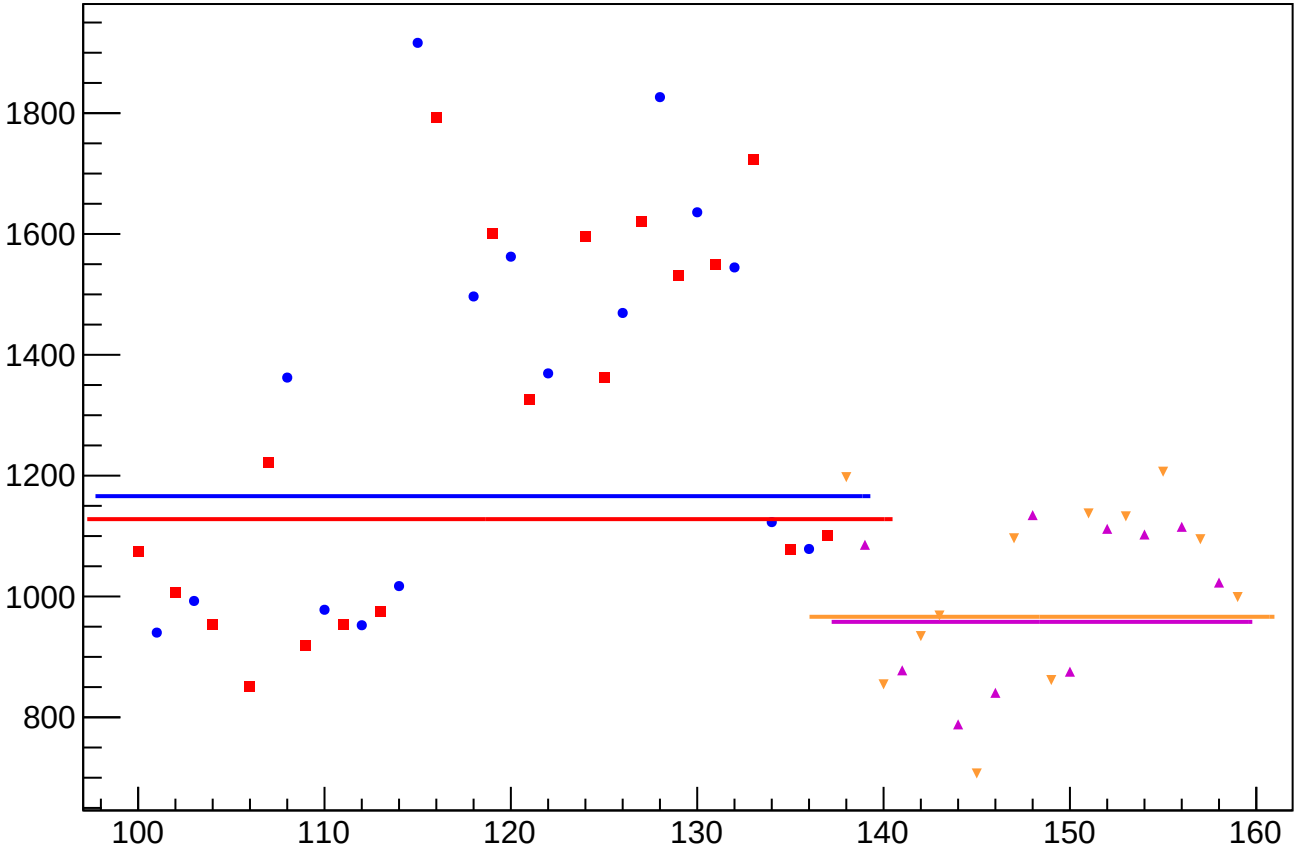
Left In: 269.862+/-329.055 χ^2/NDF:6.6/9

+ sign 1269.565+/-259.178 χ^2/NDF: 47.3/27

All: 894.127+/-183.654 χ^2/NDF: 74.1/56

- sign 515.496+/-260.278 χ^2/NDF: 22.6/28

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

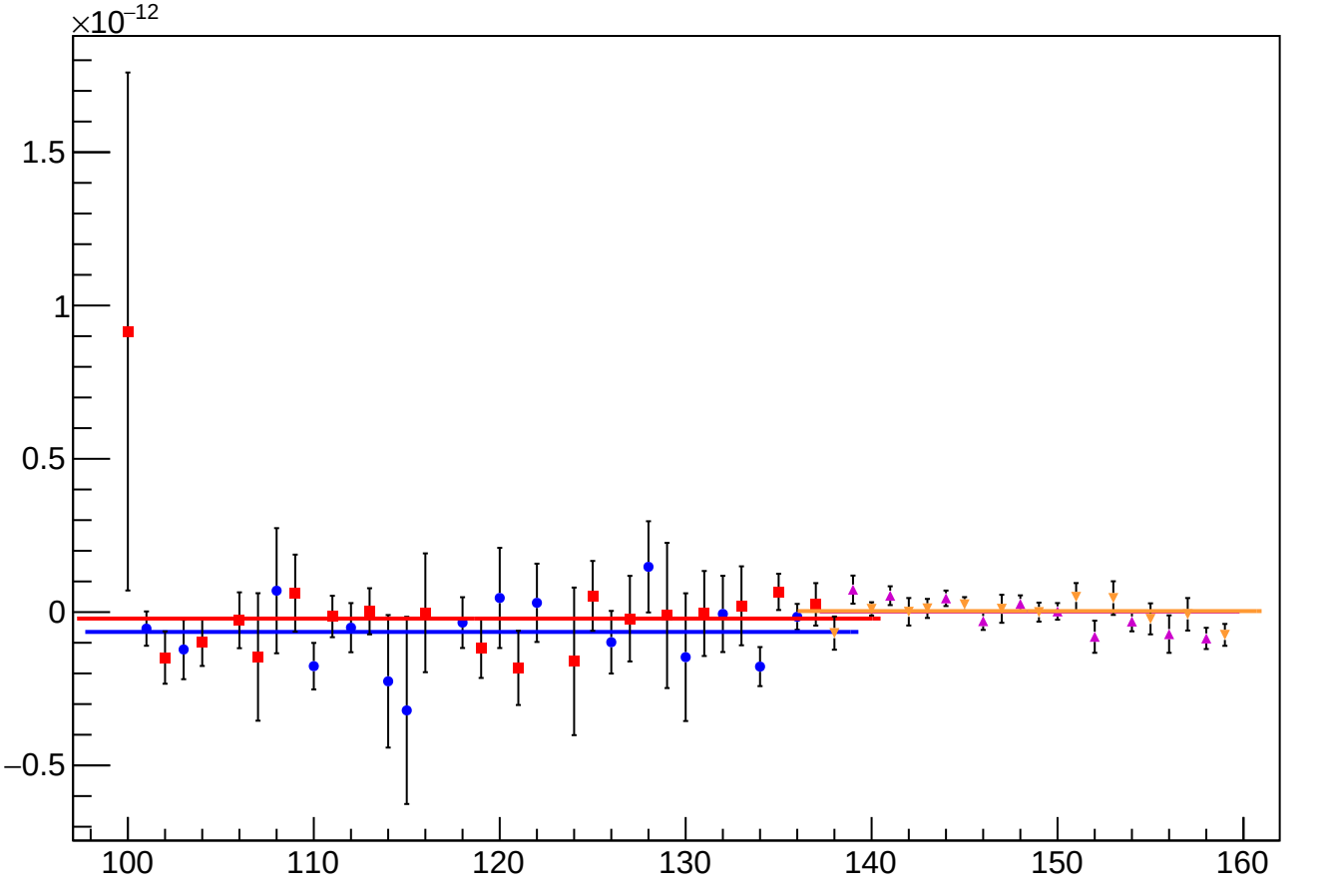
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 957.972+/-0.233 χ^2/NDF:312320.7/9

+ sign 1033.713+/-0.183 χ^2/NDF: 1456769.9/27

All: 1027.694+/-0.130 χ^2/NDF: 2746934.2/56

- sign 1021.623+/-0.184 χ^2/NDF: 1287997.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/11

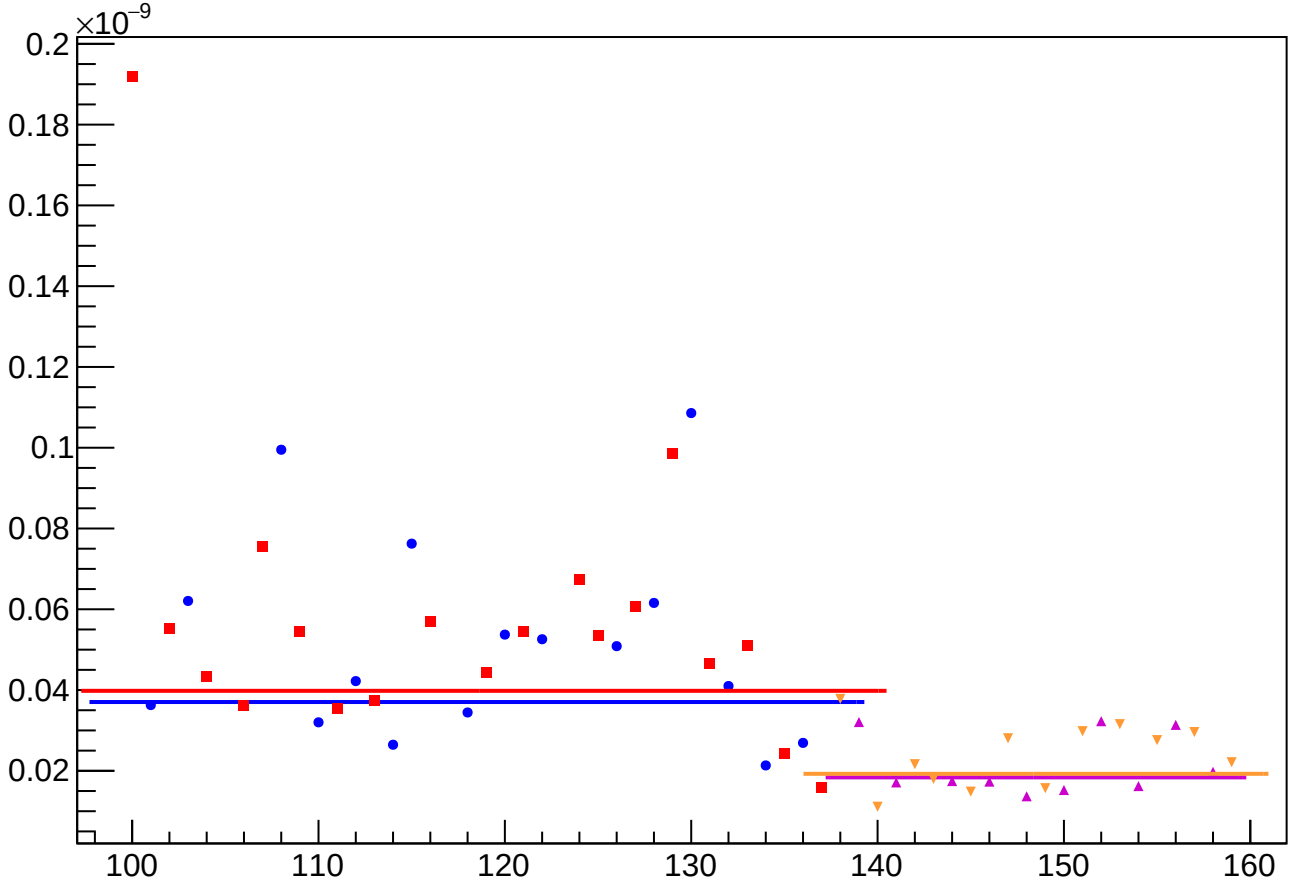
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:21.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/27

All: -0.000+/-0.000 χ^2/NDF: 64.0/56

- sign -0.000+/-0.000 χ^2/NDF: 33.8/28



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

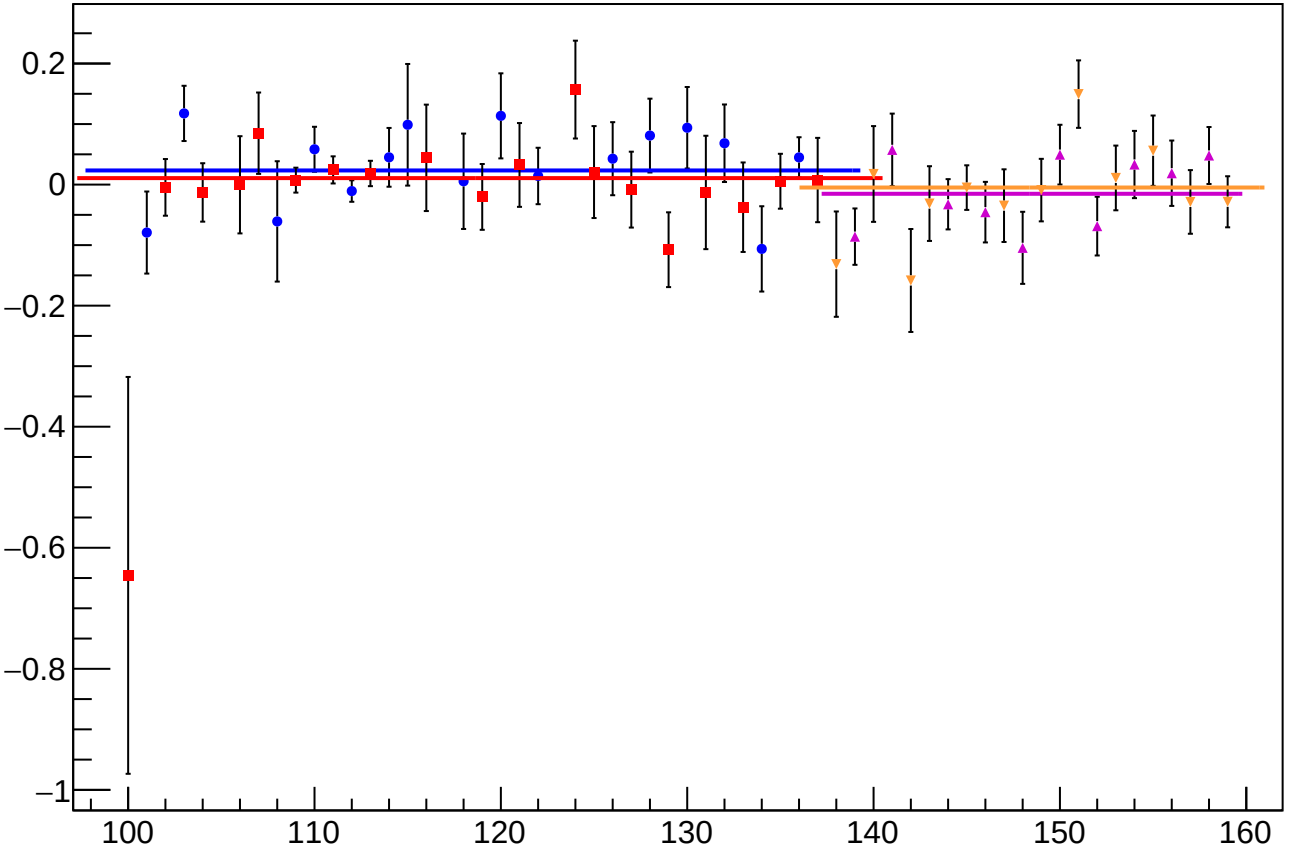
Left In: 0.000+/-0.000 χ^2/NDF:513149.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3133642.0/27

All: 0.000+/-0.000 χ^2/NDF: 5987089.0/56

- sign 0.000+/-0.000 χ^2/NDF: 2850691.3/28

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

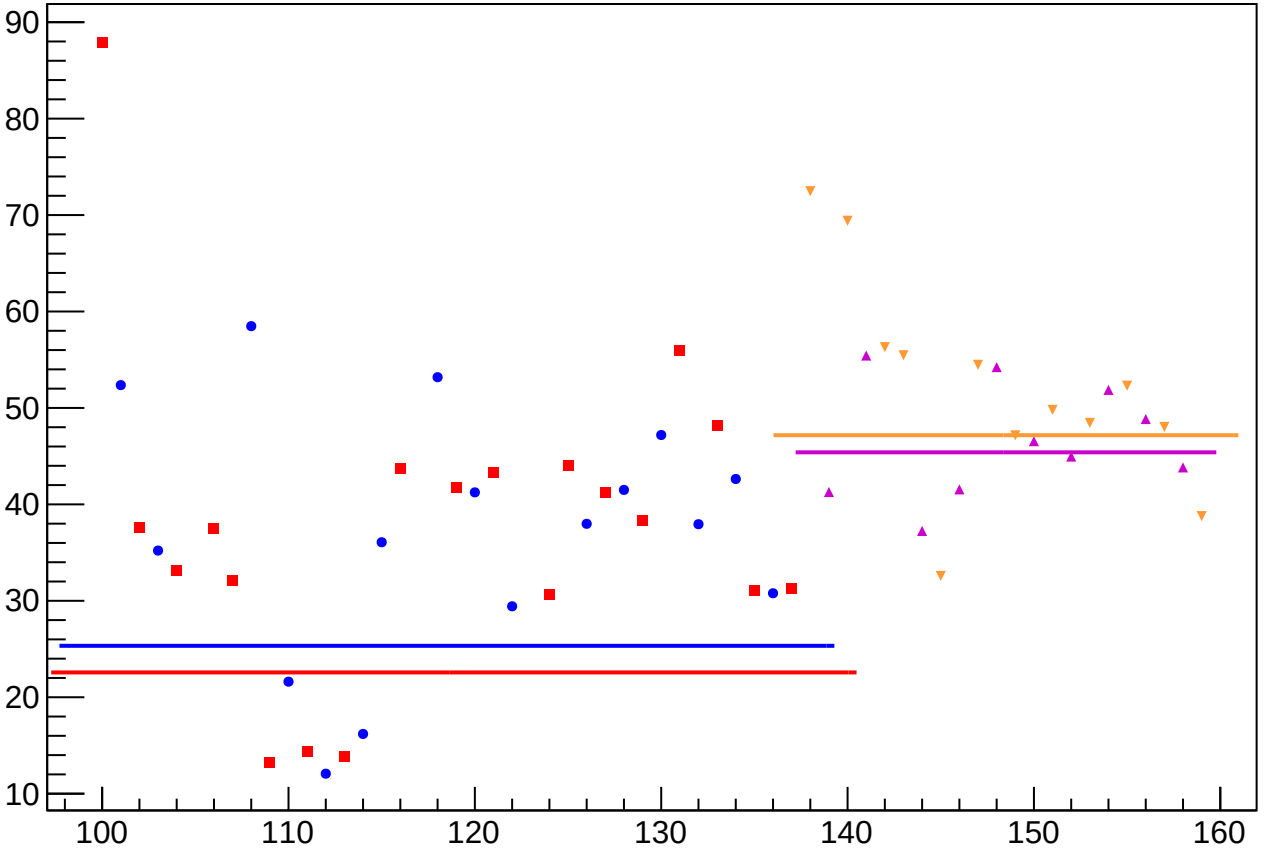
Left In: -0.015+/-0.016 χ^2/NDF:12.5/9

+ sign 0.014+/-0.009 χ^2/NDF: 38.1/27

All: 0.008+/-0.006 χ^2/NDF: 67.5/56

- sign 0.004+/-0.008 χ^2/NDF: 28.6/28

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

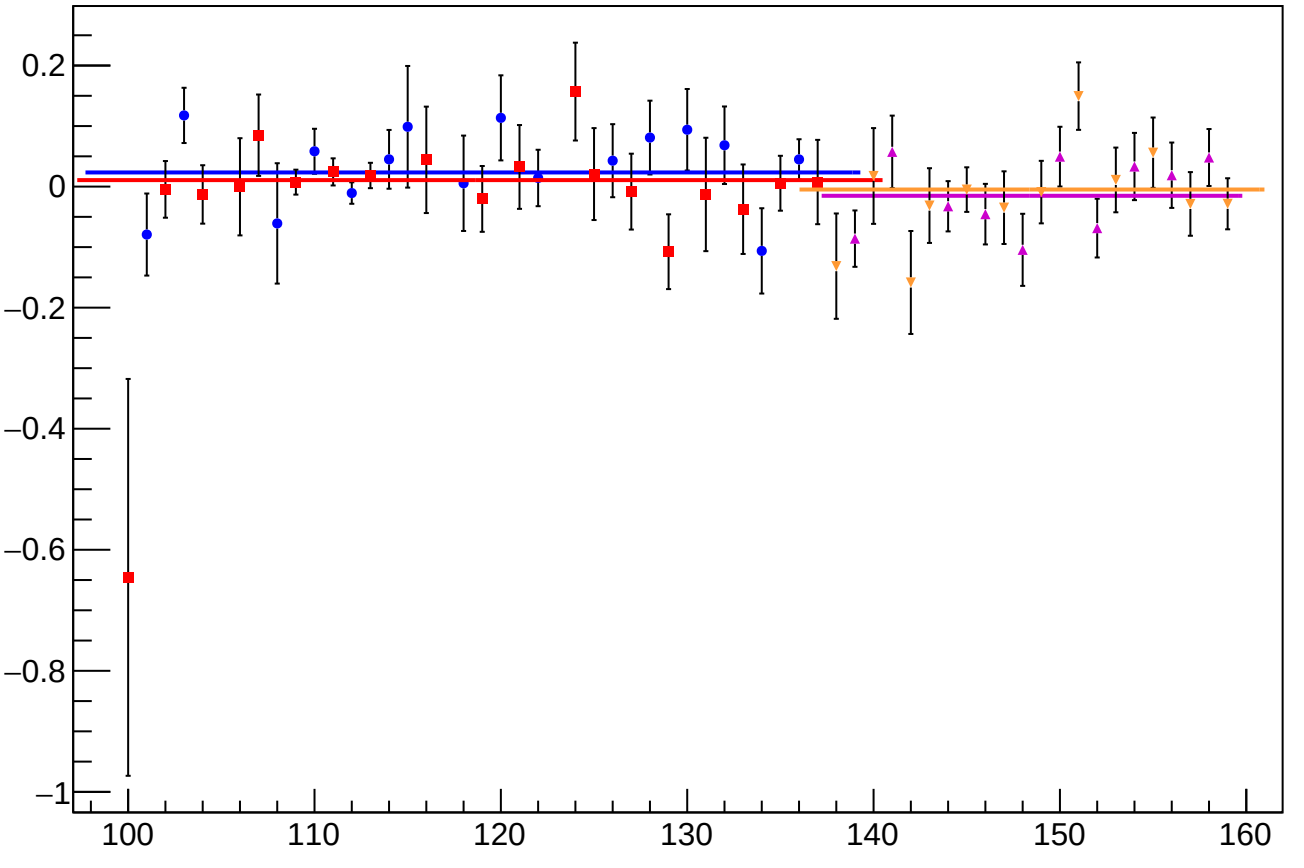
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.397+/-0.011 χ^2/NDF:243550.3/9

+ sign 32.485+/-0.006 χ^2/NDF: 6305085.8/27

All: 30.519+/-0.004 χ^2/NDF: 12848335.8/56

- sign 28.857+/-0.006 χ^2/NDF: 6370160.4/28



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

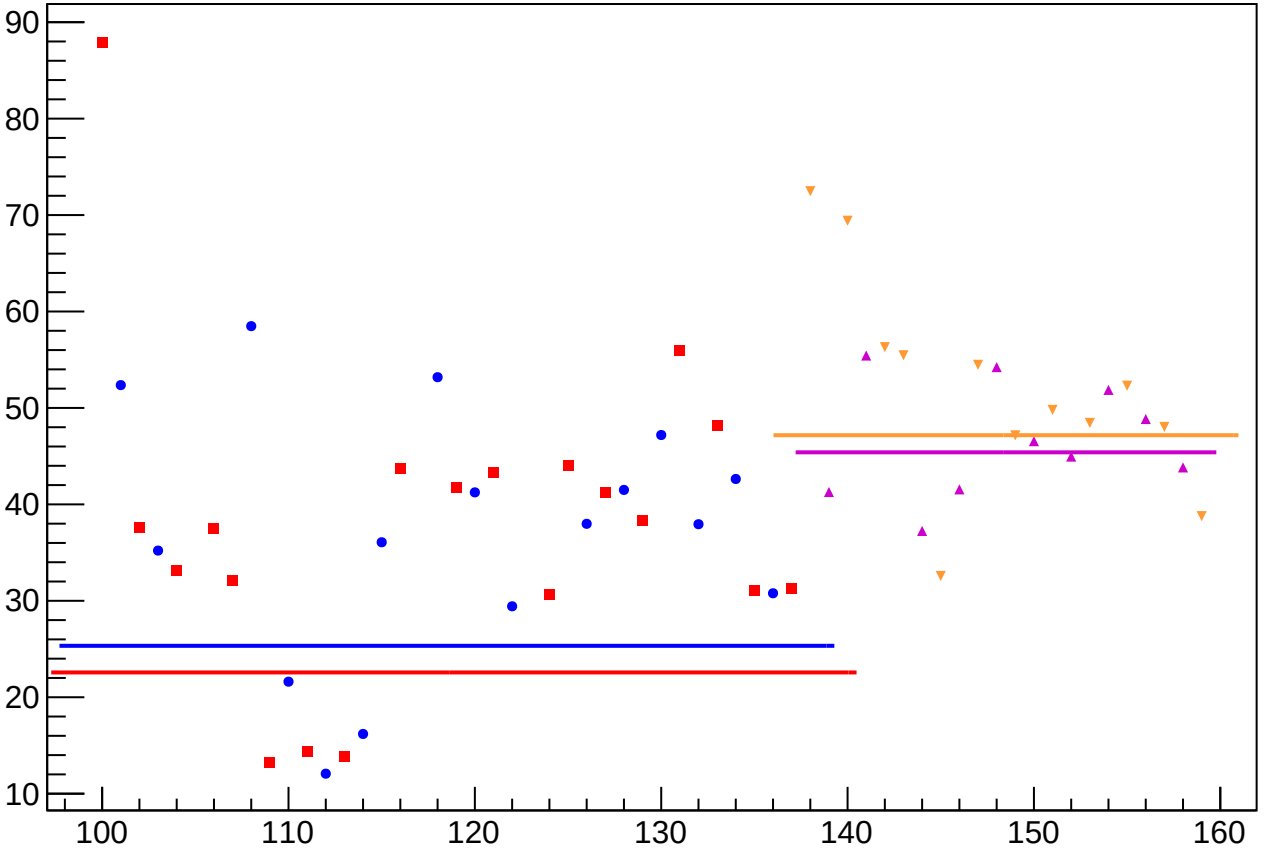
Left In: -0.015+/-0.016 χ^2/NDF:12.5/9

+ sign 0.014+/-0.009 χ^2/NDF: 38.1/27

All: 0.008+/-0.006 χ^2/NDF: 67.5/56

- sign 0.004+/-0.008 χ^2/NDF: 28.6/28

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

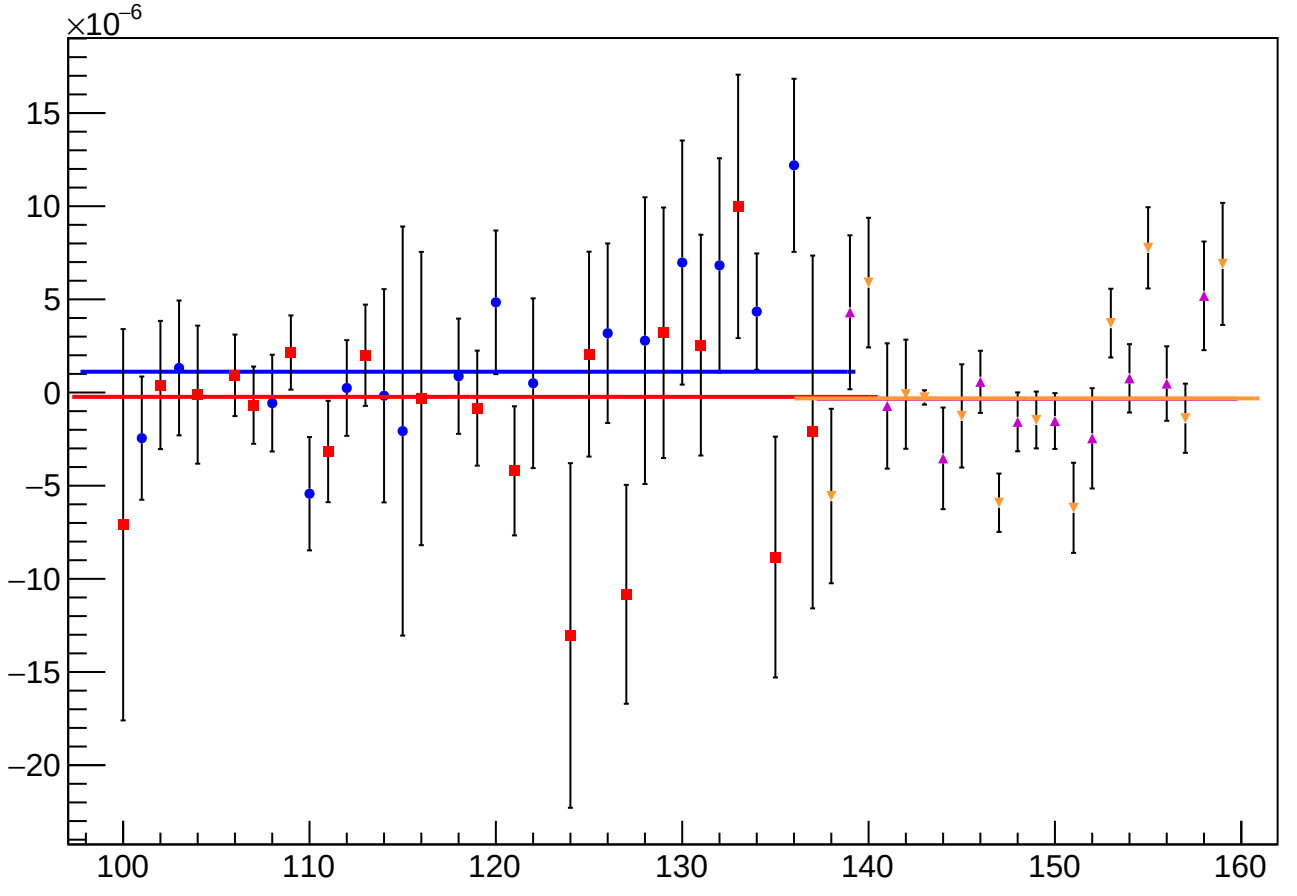
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.397+/-0.011 χ^2/NDF:243550.3/9

+ sign 32.485+/-0.006 χ^2/NDF: 6305085.8/27

All: 30.519+/-0.004 χ^2/NDF: 12848335.8/56

- sign 28.857+/-0.006 χ^2/NDF: 6370160.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/11

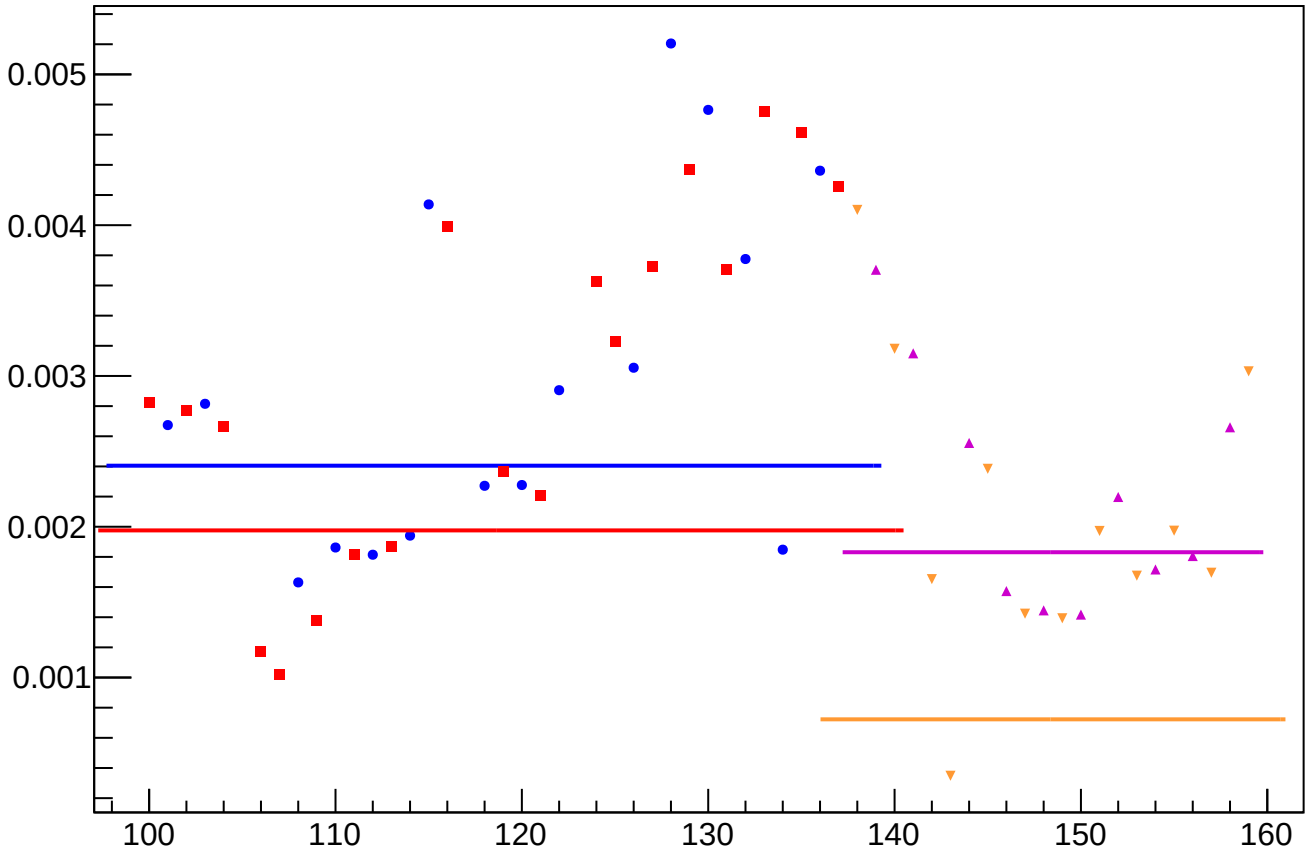
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 65.8/27

All: -0.000+/-0.000 χ^2/NDF: 89.9/56

- sign -0.000+/-0.000 χ^2/NDF: 24.1/28



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:8893309.6/11

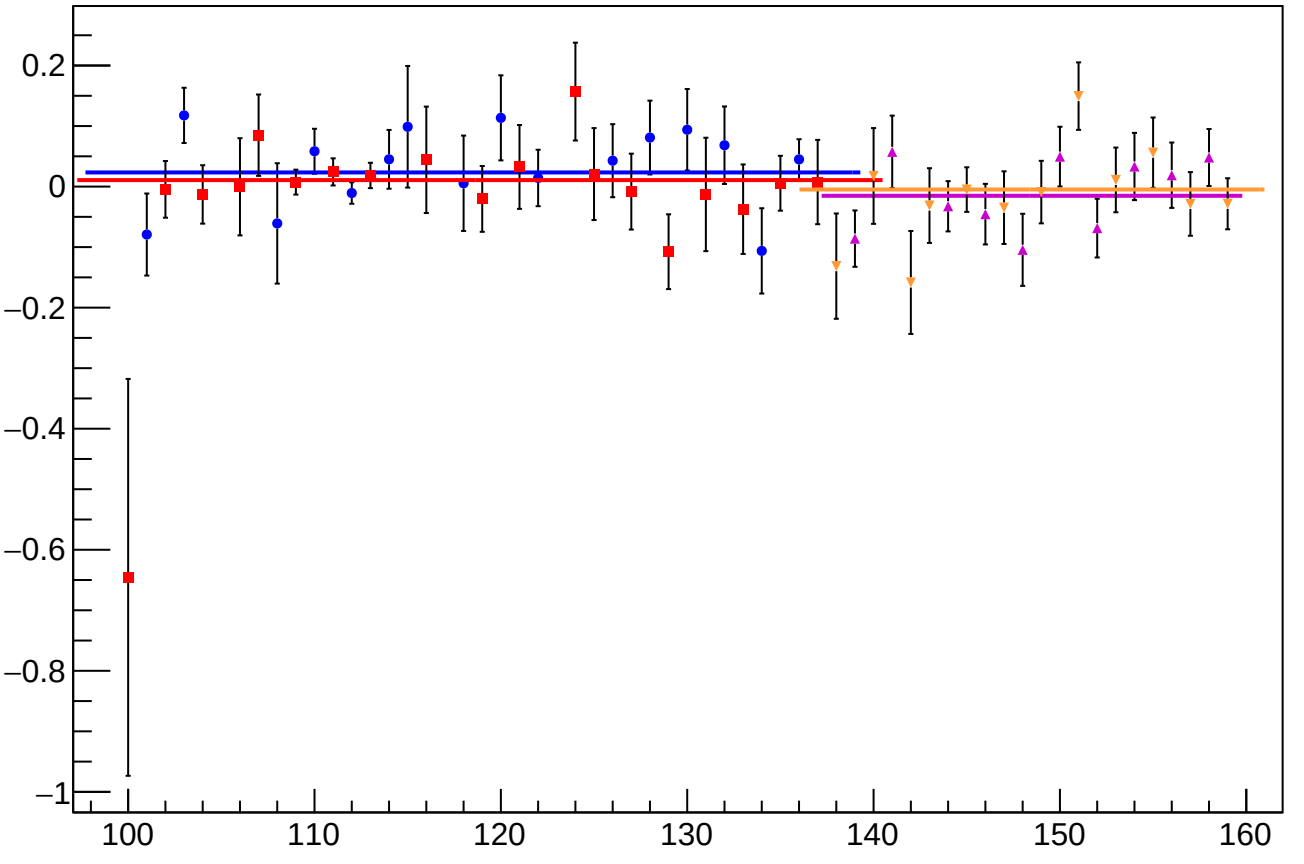
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1386407.2/9

+ sign 0.001+/-0.000 χ^2/NDF: 15999104.2/27

All: 0.001+/-0.000 χ^2/NDF: 25534873.8/56

- sign 0.002+/-0.000 χ^2/NDF: 4199965.0/28



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.005+/-0.016 χ^2/NDF:15.3/11

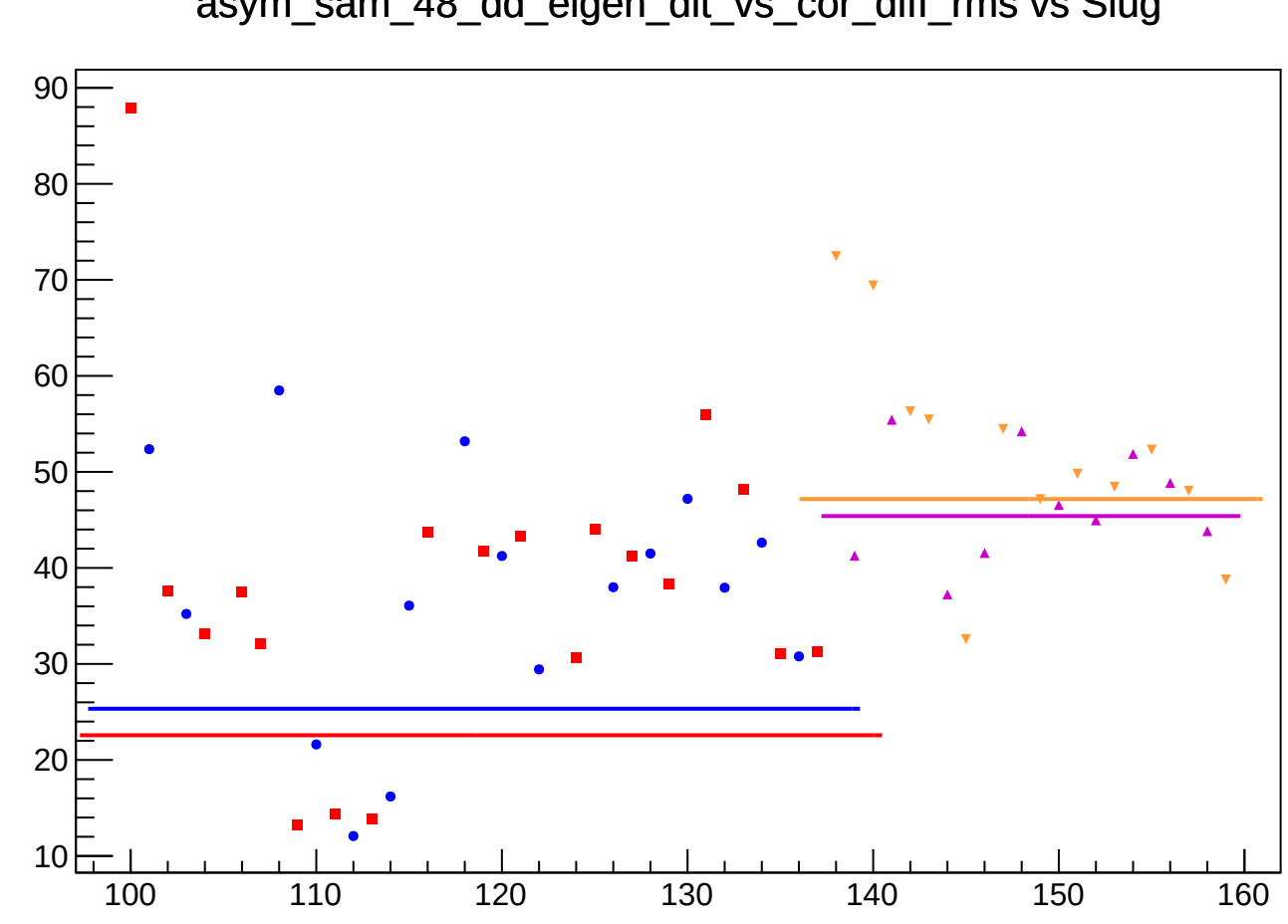
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.015+/-0.016 χ^2/NDF:12.5/9

+ sign 0.014+/-0.009 χ^2/NDF: 38.1/27

All: 0.008+/-0.006 χ^2/NDF: 67.5/56

- sign 0.004+/-0.008 χ^2/NDF: 28.6/28



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.173+/-0.011 χ^2/NDF:830666.7/11

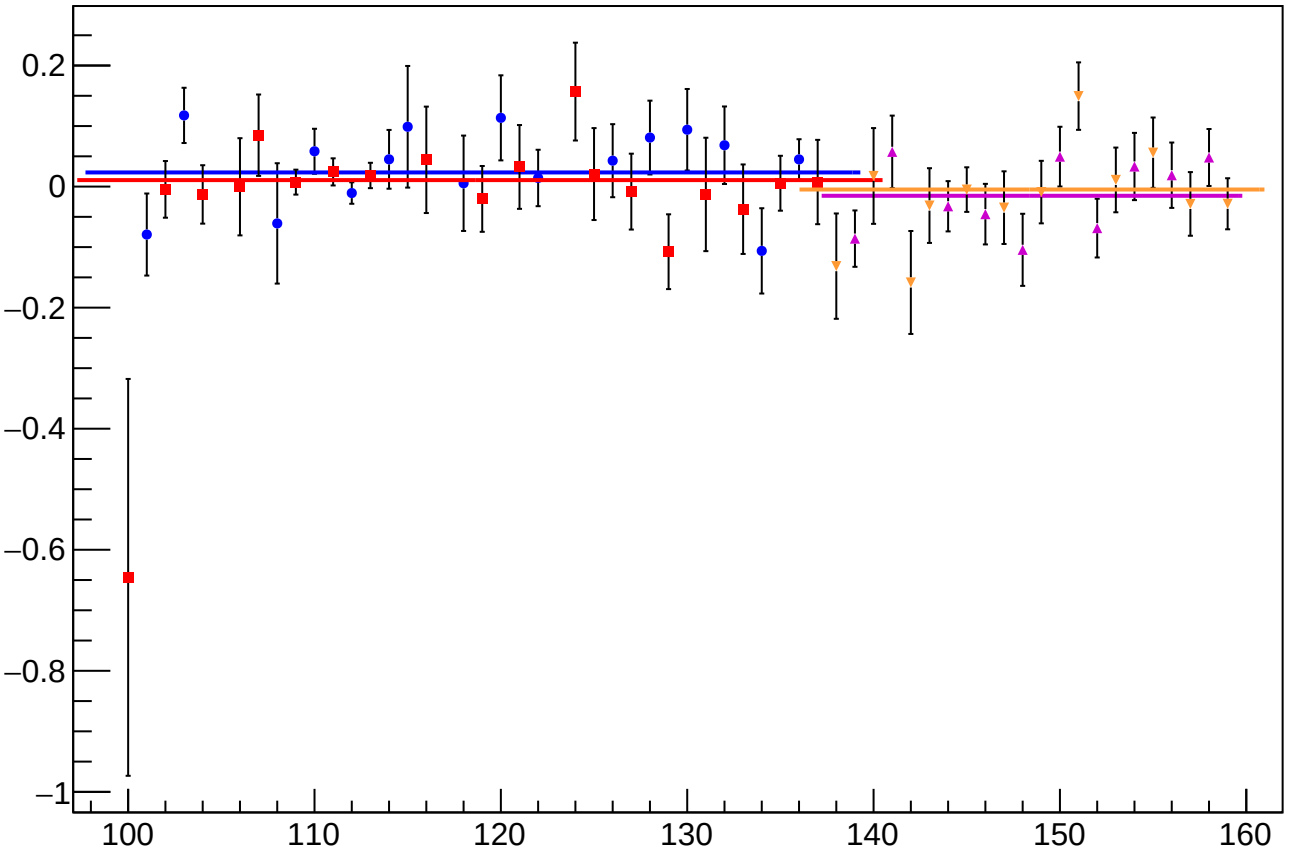
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.397+/-0.011 χ^2/NDF:243540.3/9

+ sign 32.483+/-0.006 χ^2/NDF: 6305910.5/27

All: 30.518+/-0.004 χ^2/NDF: 12849397.0/56

- sign 28.857+/-0.006 χ^2/NDF: 6370473.9/28



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.005+/-0.016 χ^2/NDF:15.3/11

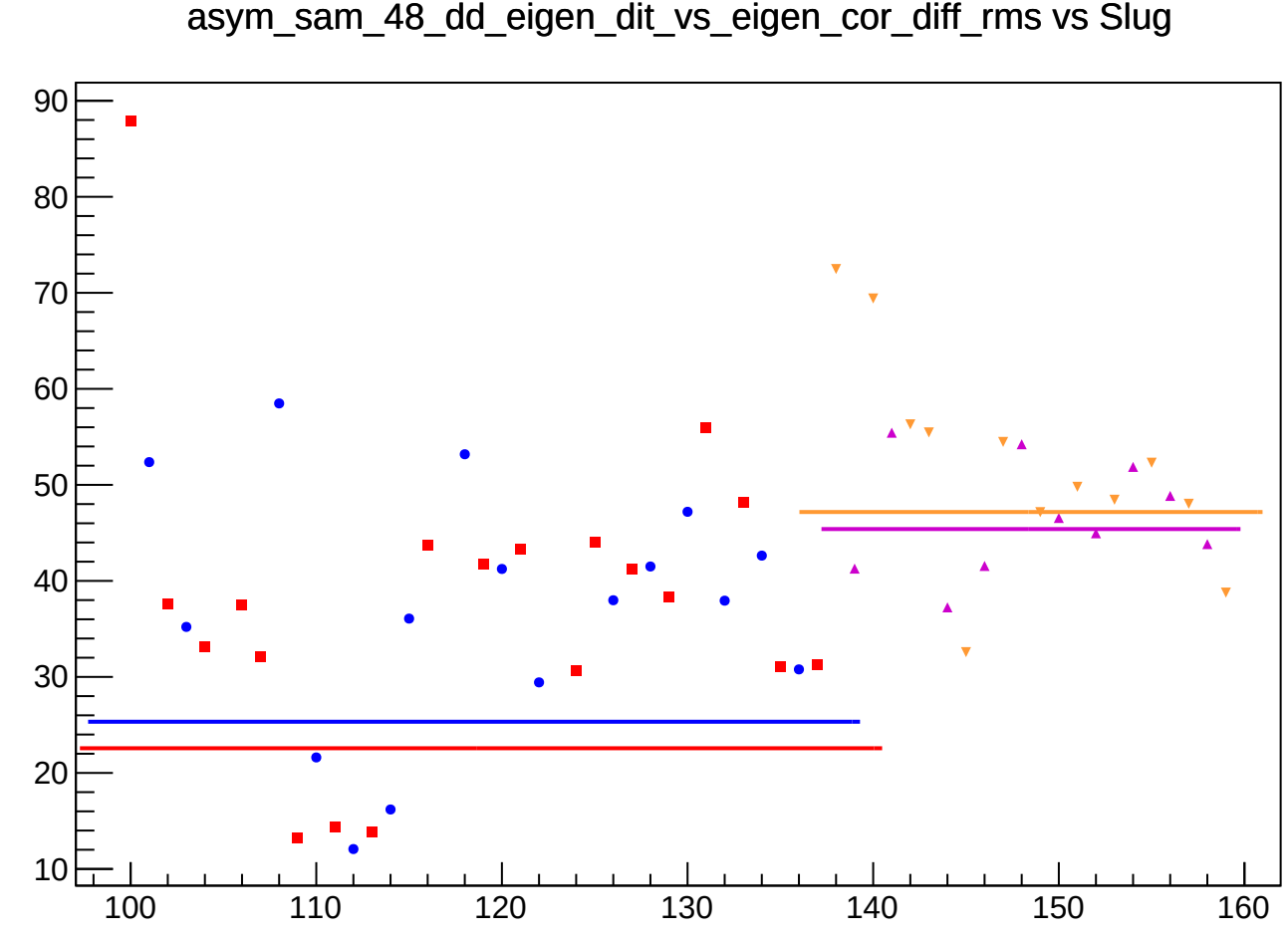
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.015+/-0.016 χ^2/NDF:12.5/9

+ sign 0.014+/-0.009 χ^2/NDF: 38.1/27

All: 0.008+/-0.006 χ^2/NDF: 67.5/56

- sign 0.004+/-0.008 χ^2/NDF: 28.6/28



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.173+/-0.011 χ^2/NDF:830666.7/11

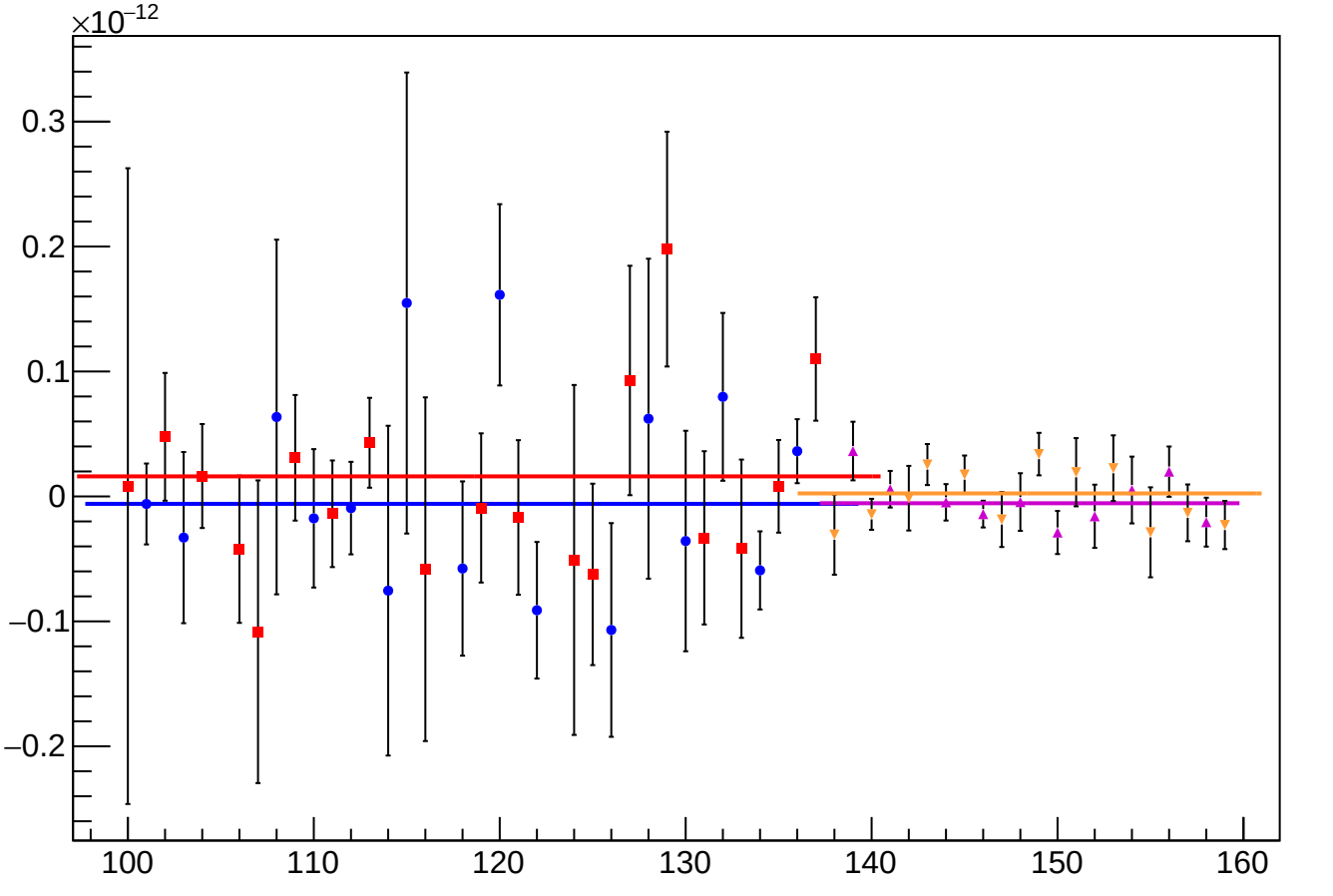
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.397+/-0.011 χ^2/NDF:243540.3/9

+ sign 32.483+/-0.006 χ^2/NDF: 6305910.5/27

All: 30.518+/-0.004 χ^2/NDF: 12849397.0/56

- sign 28.857+/-0.006 χ^2/NDF: 6370473.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/11

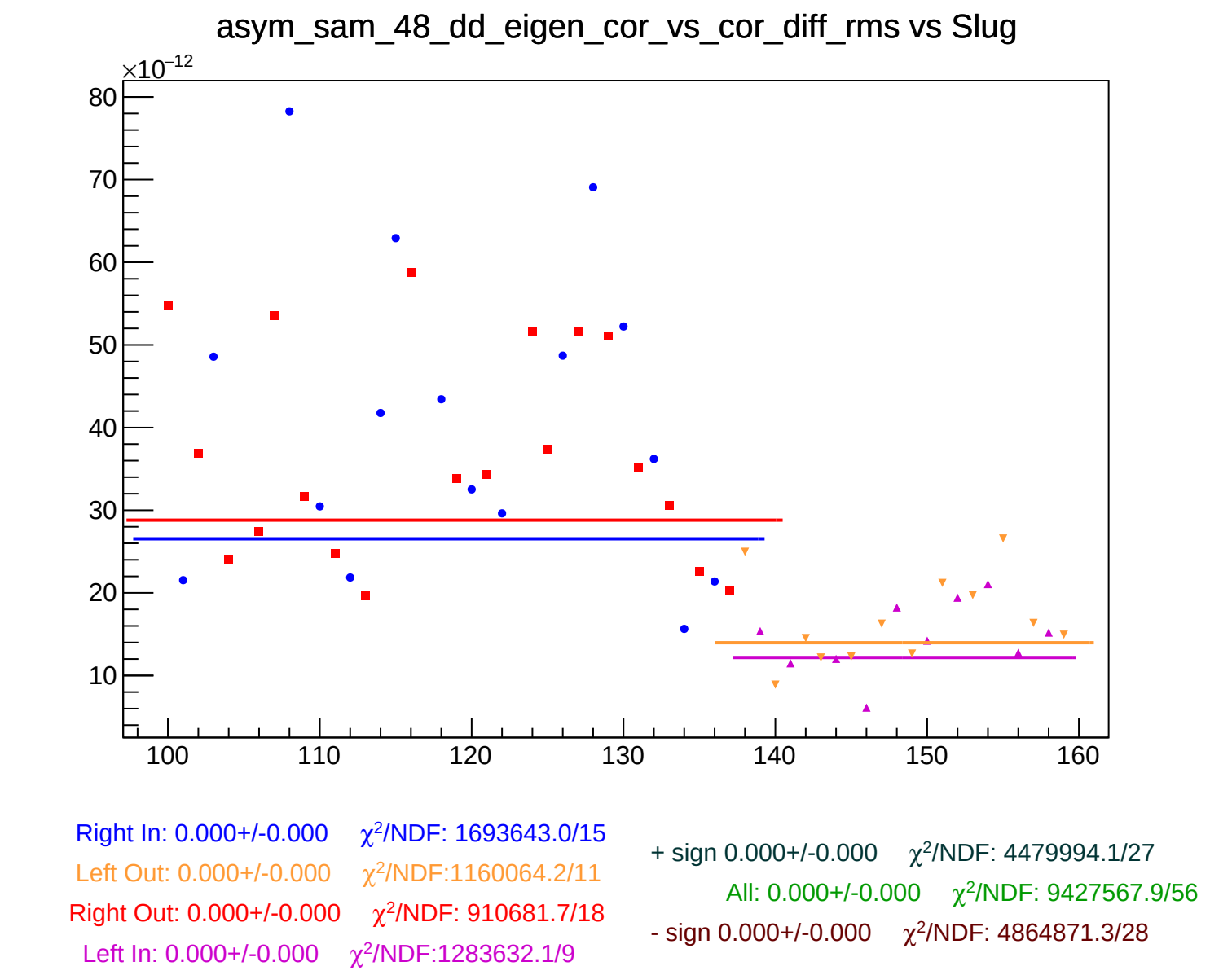
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/9

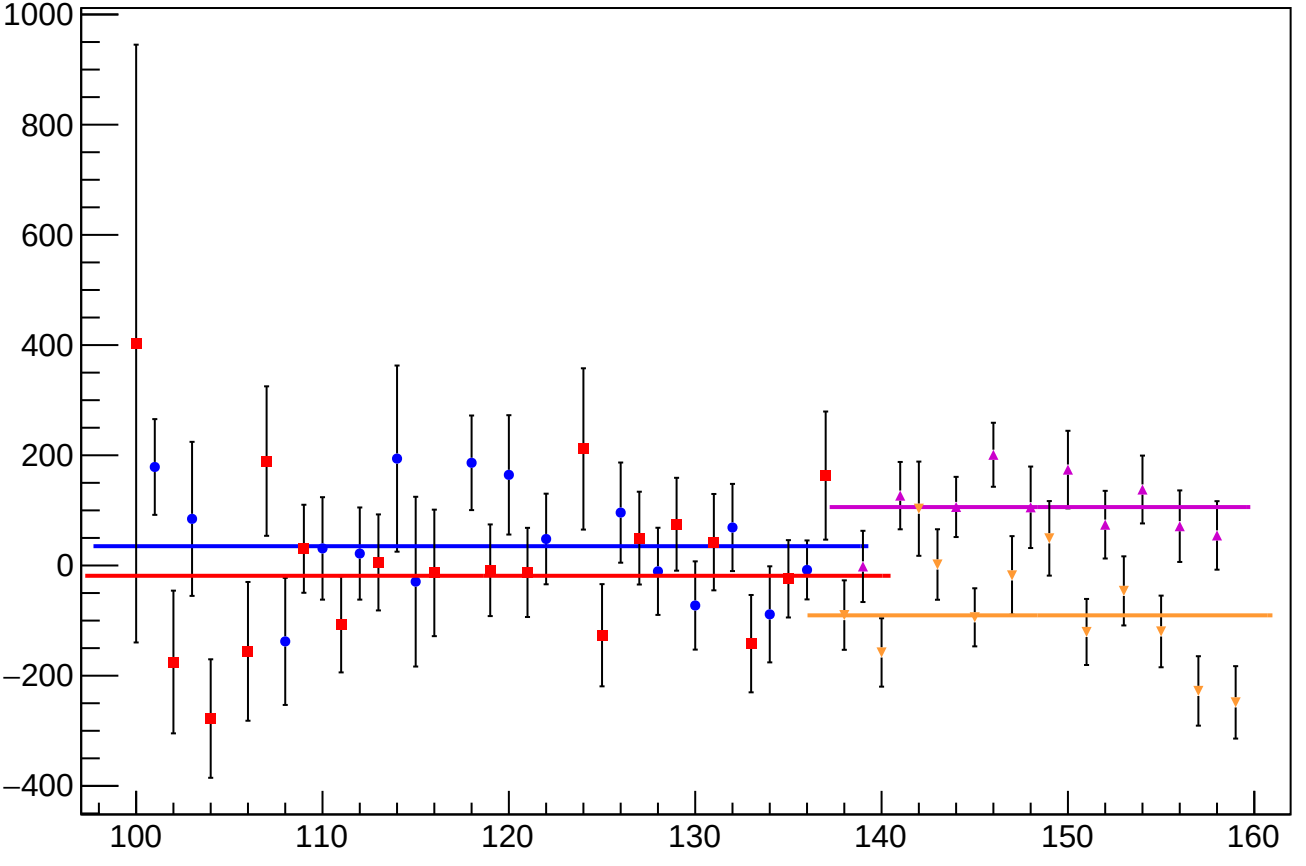
+ sign 0.000+/-0.000 χ^2/NDF: 33.2/27

All: -0.000+/-0.000 χ^2/NDF: 59.5/56

- sign -0.000+/-0.000 χ^2/NDF: 26.0/28


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:1283632.1/9
+ sign 0.000+/-0.000 χ²/NDF: 4479994.1/27
All: 0.000+/-0.000 χ²/NDF: 9427567.9/56
- sign 0.000+/-0.000 χ²/NDF: 4864871.3/28

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

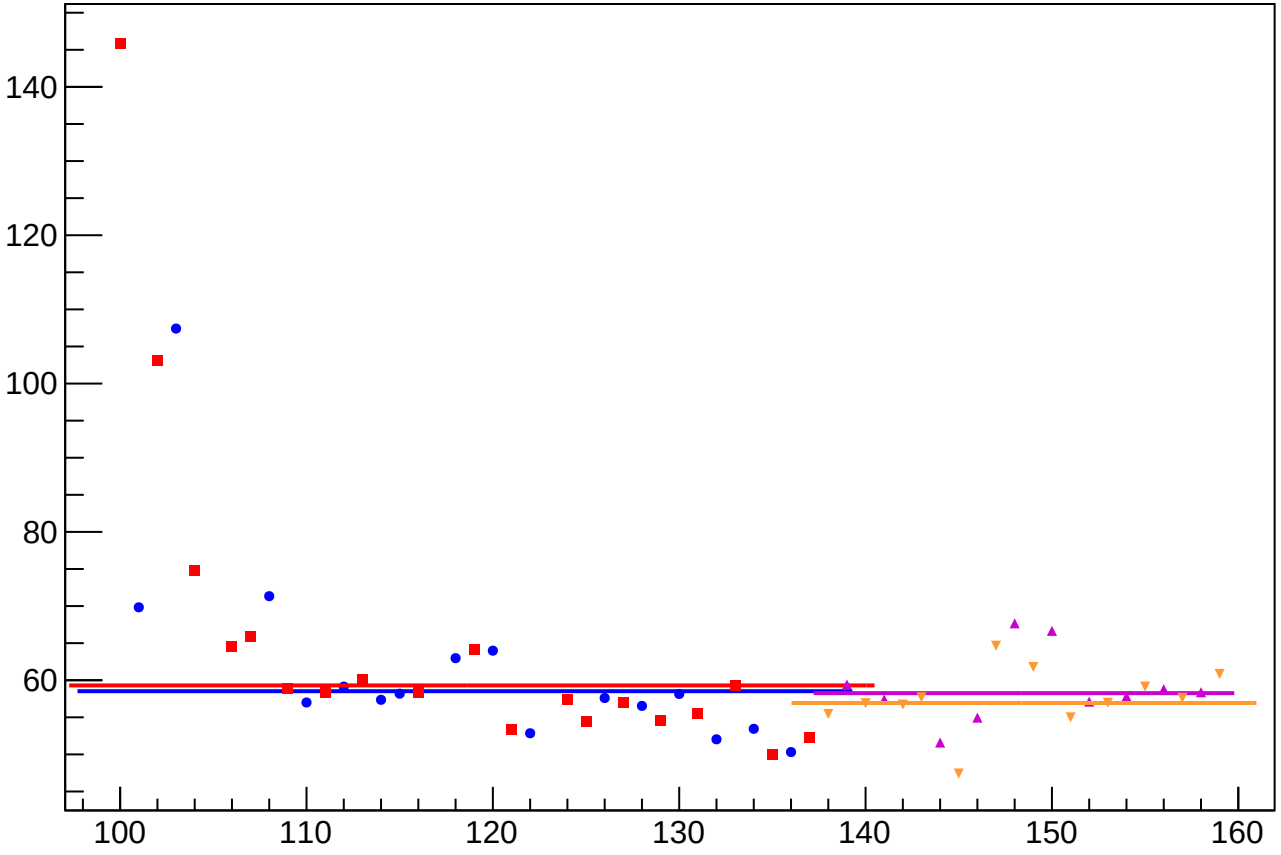
Left In: 106.018+/-19.809 χ^2/NDF:8.0/9

+ sign -38.845+/-14.197 χ^2/NDF: 60.3/27

All: 4.116+/-10.233 χ^2/NDF: 128.5/56

- sign 50.563+/-14.762 χ^2/NDF: 49.1/28

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

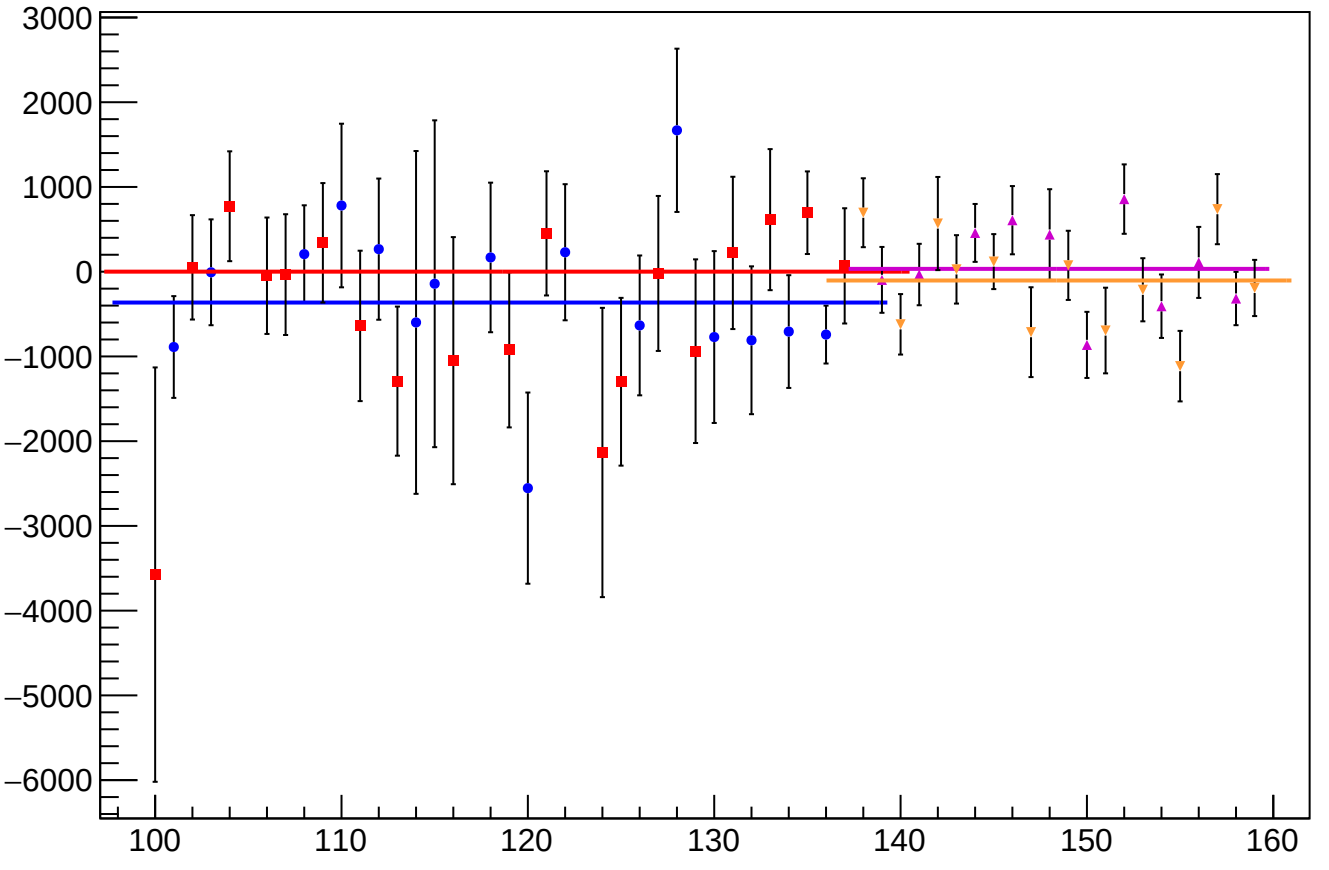
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

+ sign 57.587+/-0.010 χ^2/NDF: 510823.6/27

All: 58.133+/-0.007 χ^2/NDF: 1025100.8/56

- sign 58.723+/-0.010 χ^2/NDF: 508120.3/28



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

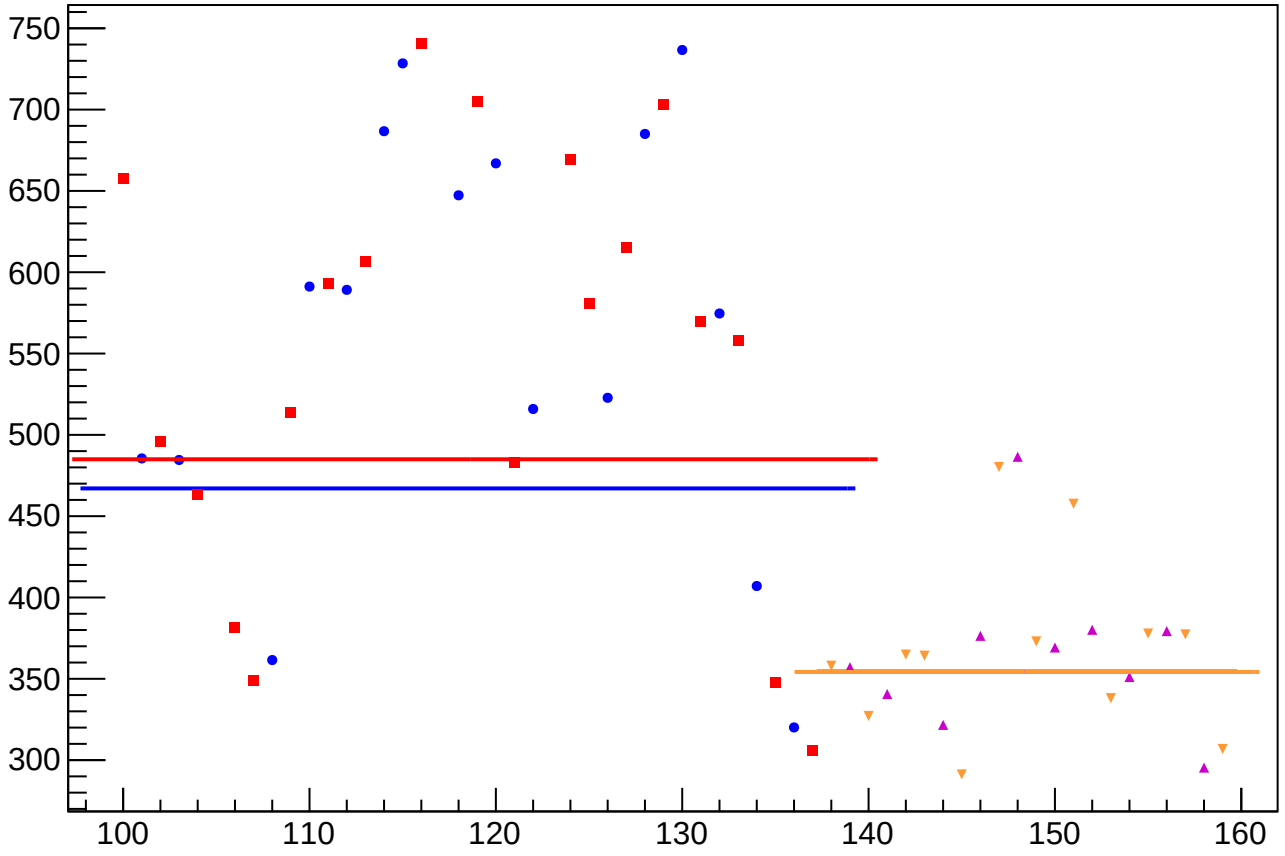
Left In: 33.270+/-121.347 χ^2/NDF:16.3/9

+ sign -179.874+/-97.634 χ^2/NDF: 37.8/27

All: -81.882+/-70.247 χ^2/NDF: 71.3/56

- sign 23.289+/-101.147 χ^2/NDF: 31.4/28

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

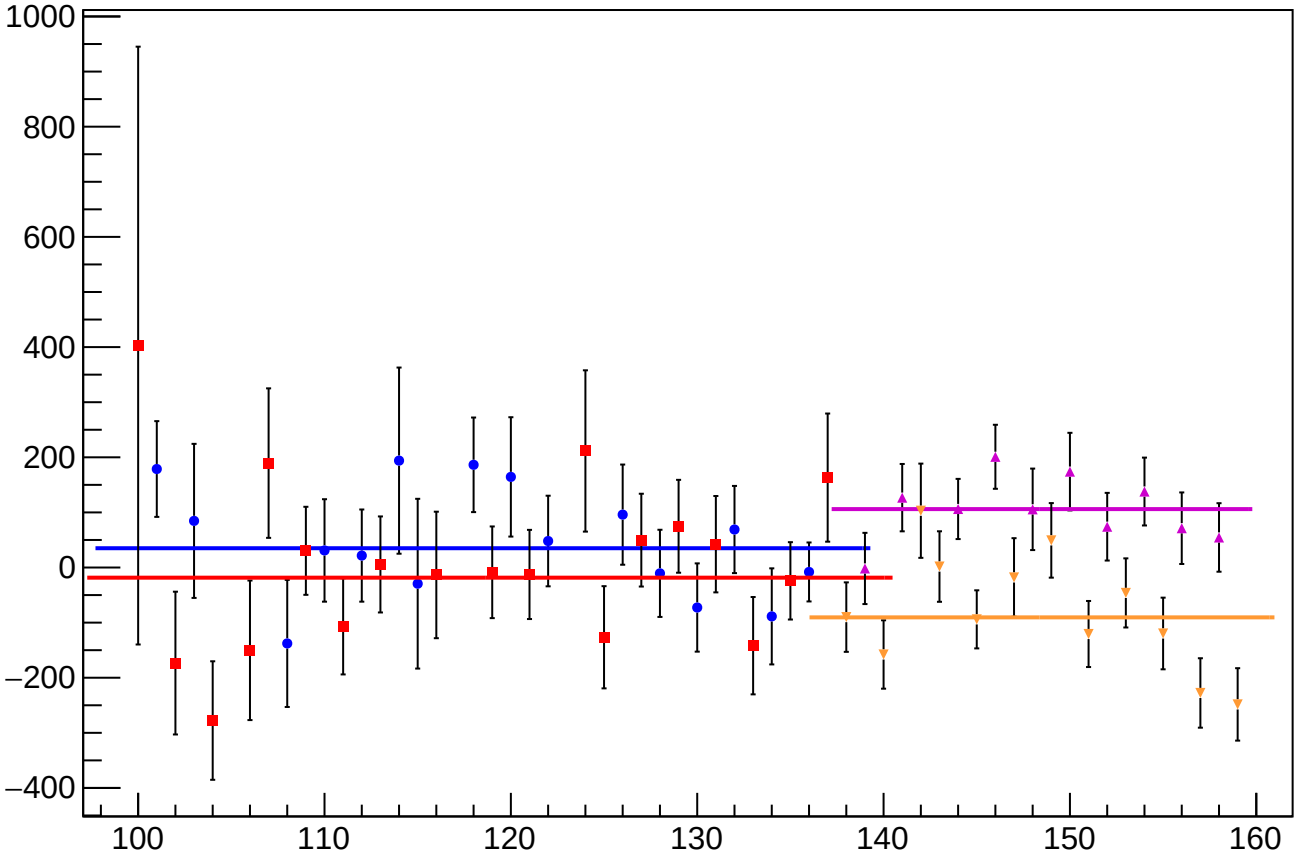
Left In: 354.471+/-0.086 χ^2/NDF:237590.8/9

+ sign 387.190+/-0.069 χ^2/NDF: 1930466.6/27

All: 390.621+/-0.050 χ^2/NDF: 3753385.7/56

- sign 394.304+/-0.072 χ^2/NDF: 1817796.7/28

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

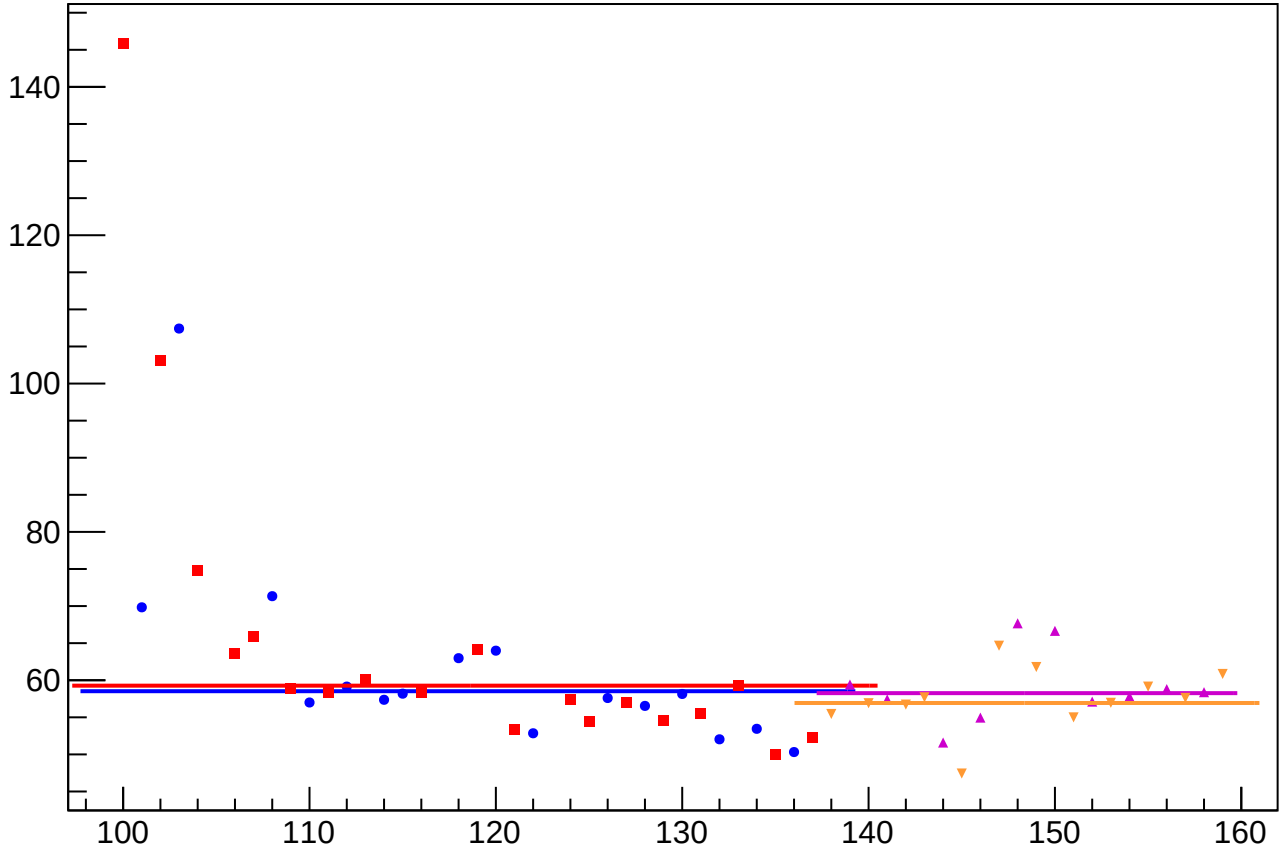
Left In: 106.018+/-19.809 χ^2/NDF:8.0/9

+ sign -38.844+/-14.197 χ^2/NDF: 60.3/27

All: 4.177+/-10.233 χ^2/NDF: 128.3/56

- sign 50.696+/-14.763 χ^2/NDF: 48.9/28

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

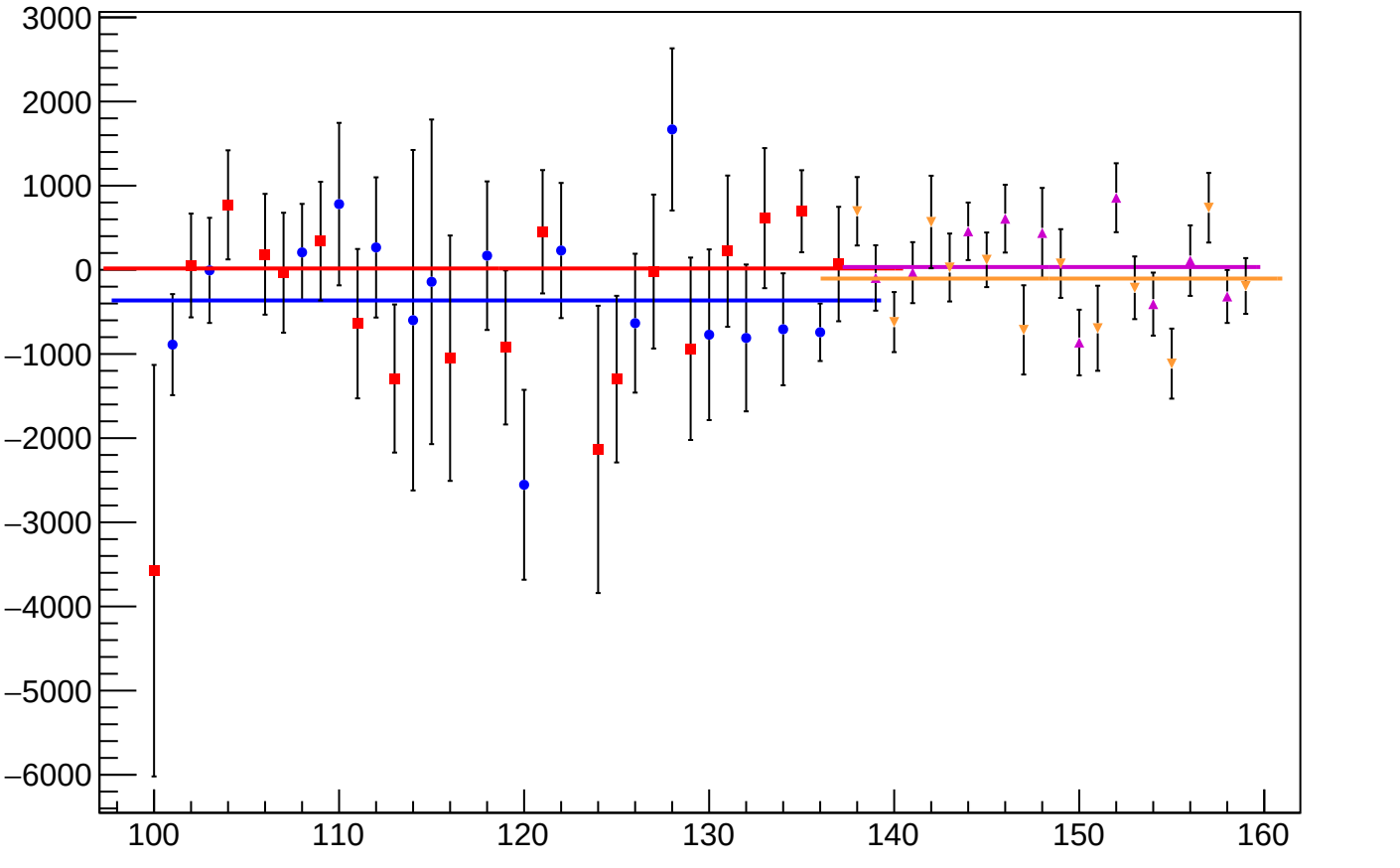
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

+ sign 57.587+/-0.010 χ^2/NDF: 510825.7/27

All: 58.126+/-0.007 χ^2/NDF: 1023805.5/56

- sign 58.709+/-0.010 χ^2/NDF: 506976.9/28



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

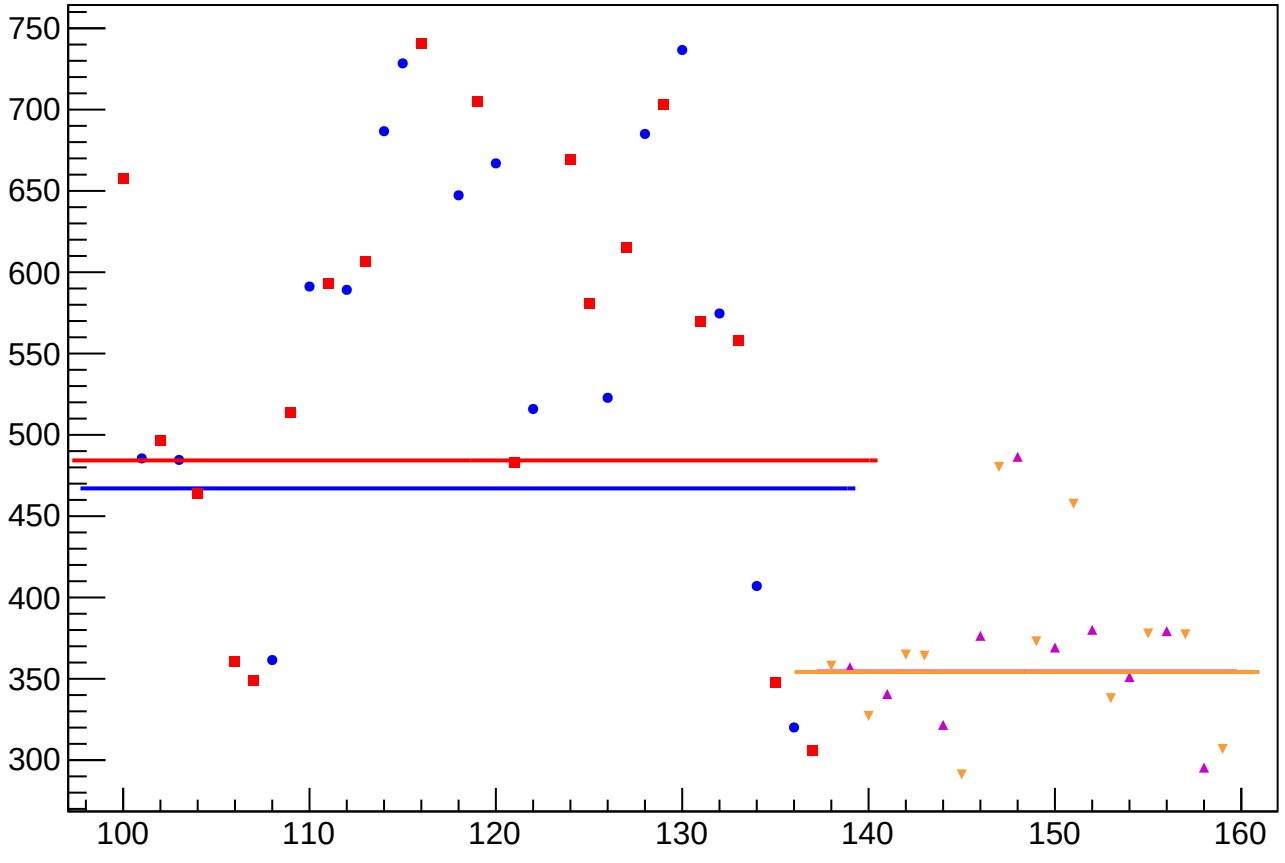
Left In: 33.270+/-121.347 χ^2/NDF:16.3/9

+ sign -179.862+/-97.634 χ^2/NDF: 37.8/27

All: -79.678+/-70.279 χ^2/NDF: 71.4/56

- sign 28.048+/-101.242 χ^2/NDF: 31.4/28

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

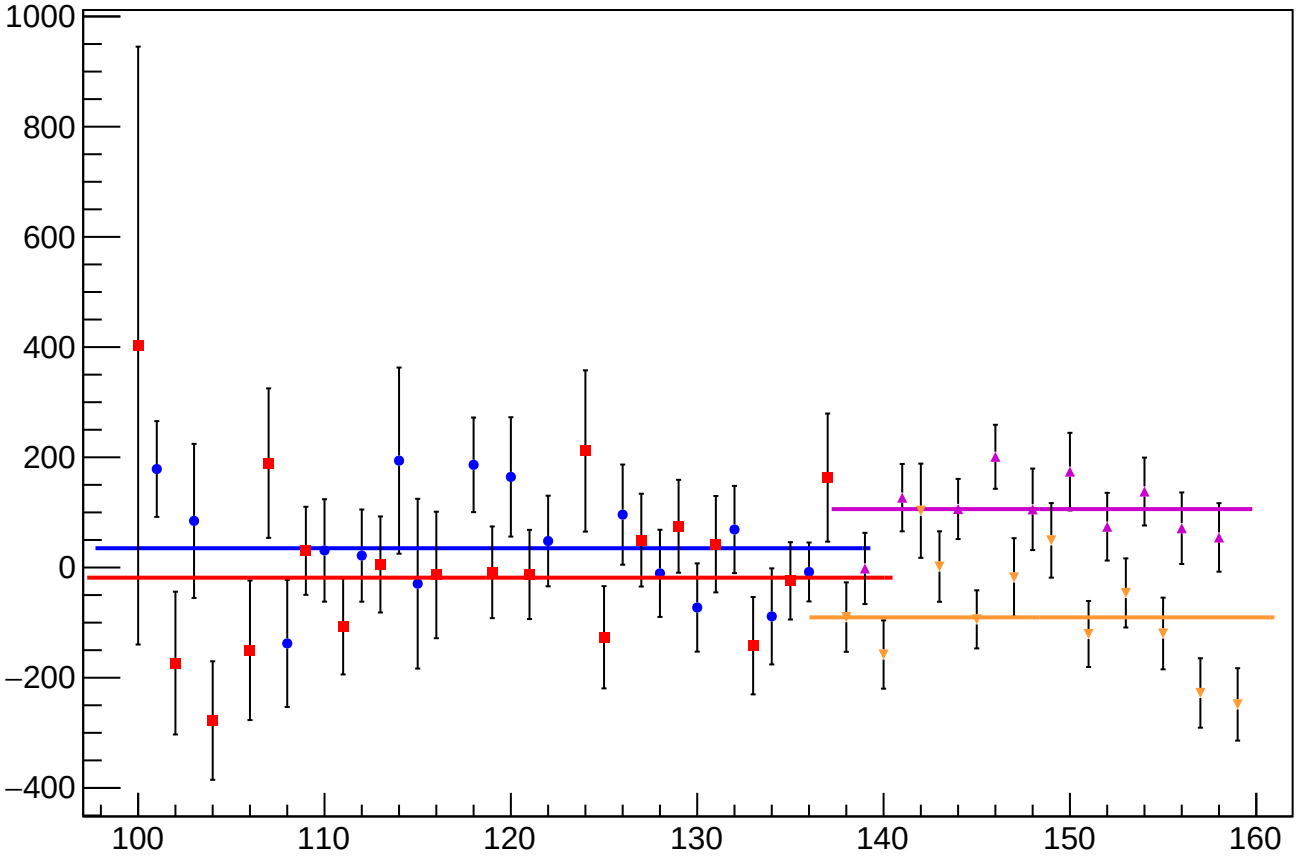
Left In: 354.471+/-0.086 χ^2/NDF:237591.3/9

+ sign 387.190+/-0.069 χ^2/NDF: 1930490.9/27

All: 390.432+/-0.050 χ^2/NDF: 3756931.7/56

- sign 393.919+/-0.072 χ^2/NDF: 1821863.5/28

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

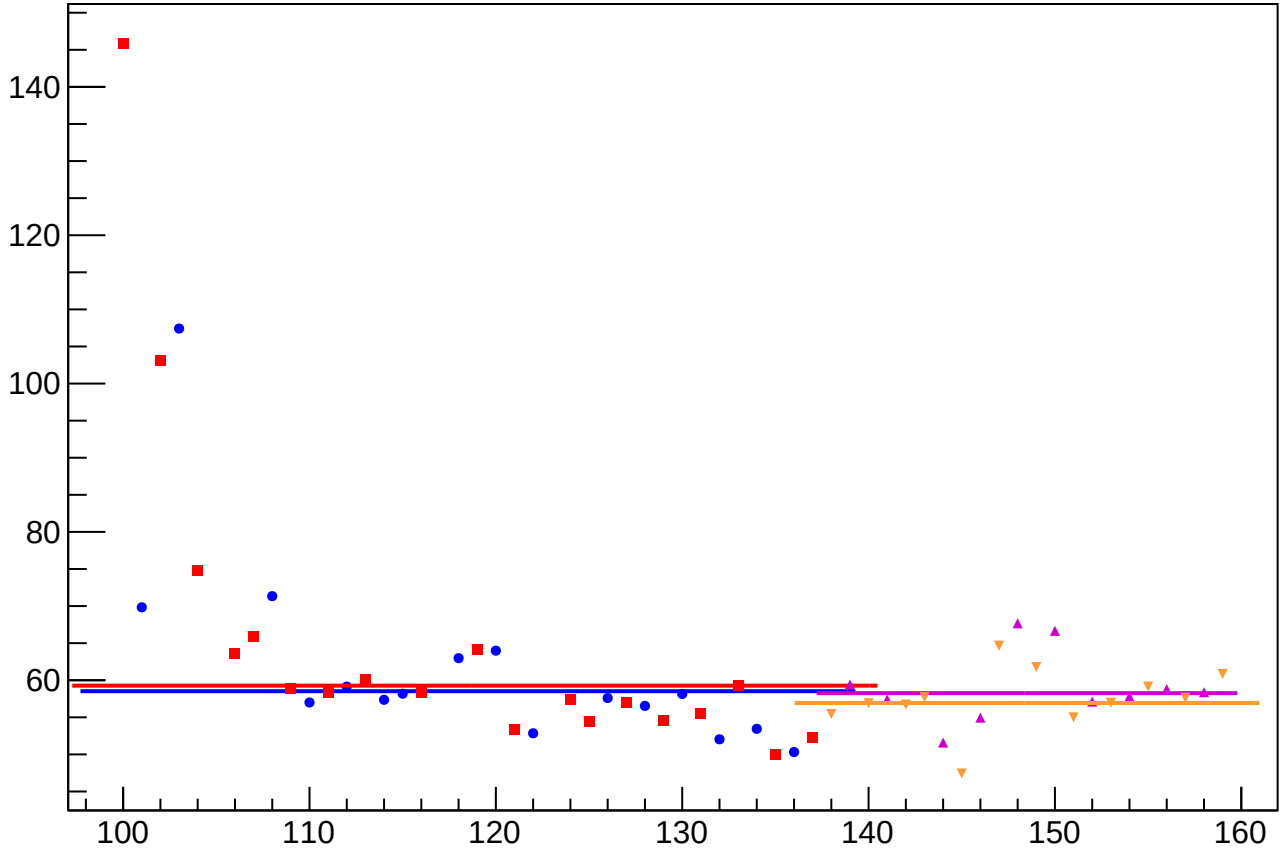
Left In: 106.018+/-19.809 χ^2/NDF:8.0/9

+ sign -38.844+/-14.197 χ^2/NDF: 60.3/27

All: 4.177+/-10.233 χ^2/NDF: 128.3/56

- sign 50.696+/-14.763 χ^2/NDF: 48.9/28

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

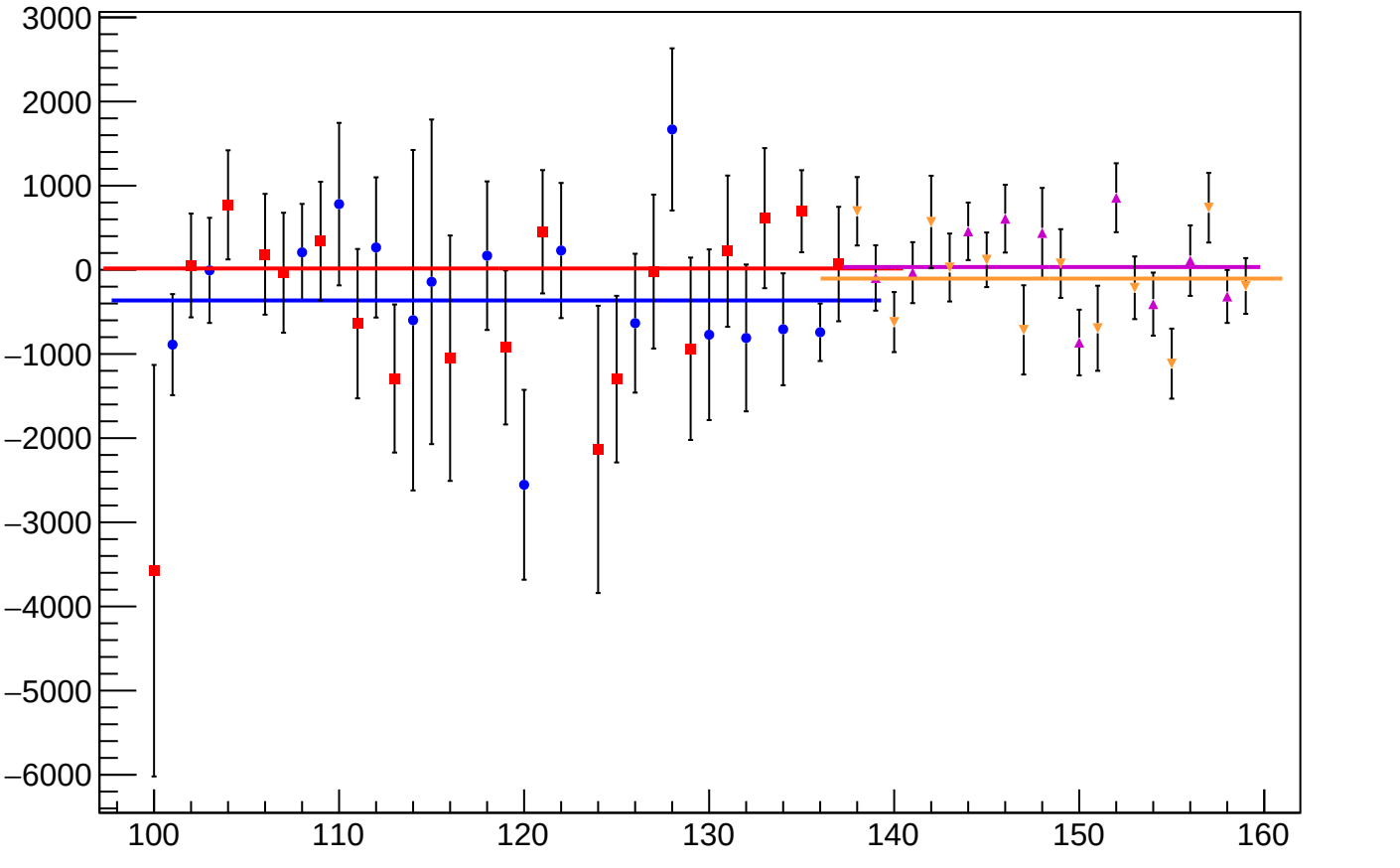
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.261+/-0.014 χ^2/NDF:99055.4/9

+ sign 57.587+/-0.010 χ^2/NDF: 510825.7/27

All: 58.126+/-0.007 χ^2/NDF: 1023805.5/56

- sign 58.709+/-0.010 χ^2/NDF: 506976.9/28



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -103.809+/-116.054 χ^2/NDF:21.1/11

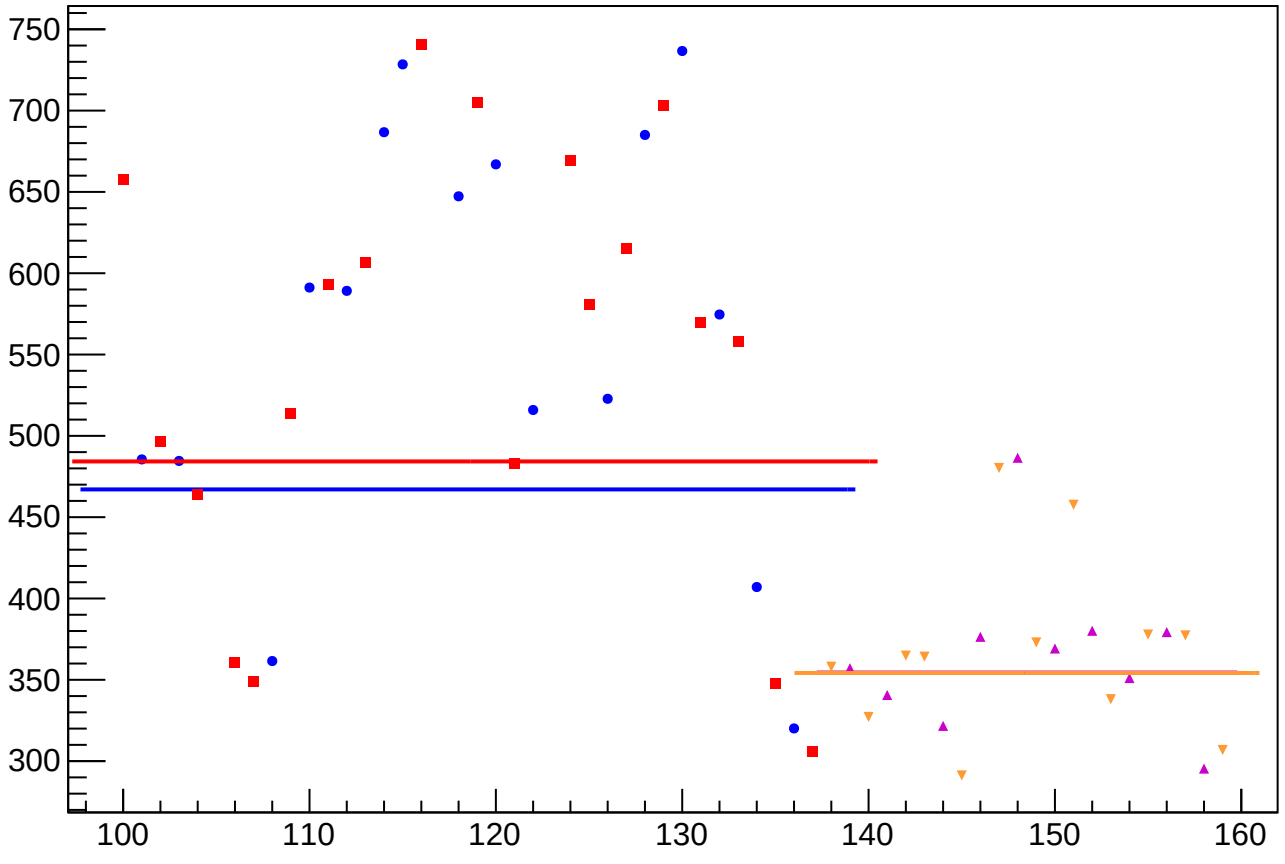
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 33.270+/-121.347 χ^2/NDF:16.3/9

+ sign -179.862+/-97.634 χ^2/NDF: 37.8/27

All: -79.678+/-70.279 χ^2/NDF: 71.4/56

- sign 28.048+/-101.242 χ^2/NDF: 31.4/28



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

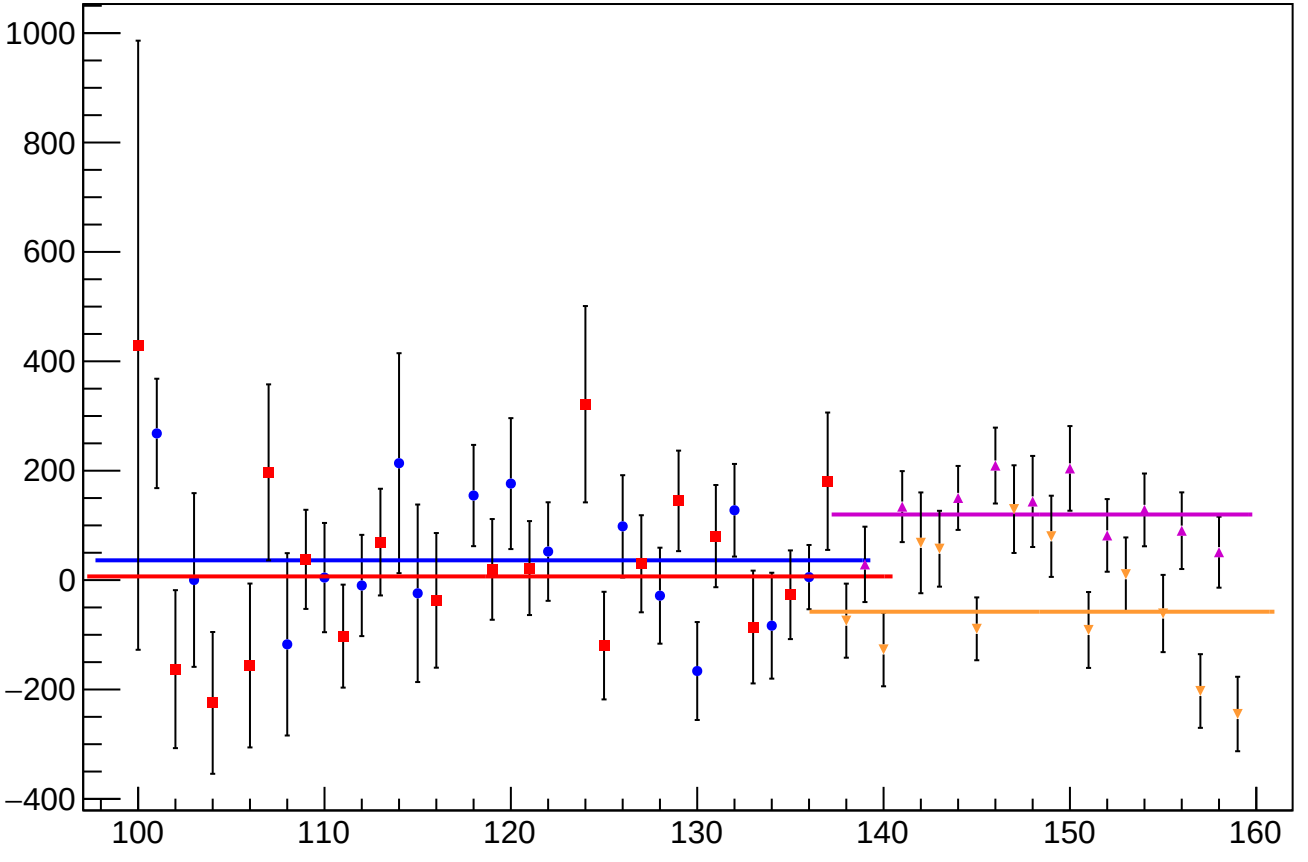
Left In: 354.471+/-0.086 χ^2/NDF:237591.3/9

+ sign 387.190+/-0.069 χ^2/NDF: 1930490.9/27

All: 390.432+/-0.050 χ^2/NDF: 3756931.7/56

- sign 393.919+/-0.072 χ^2/NDF: 1821863.5/28

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

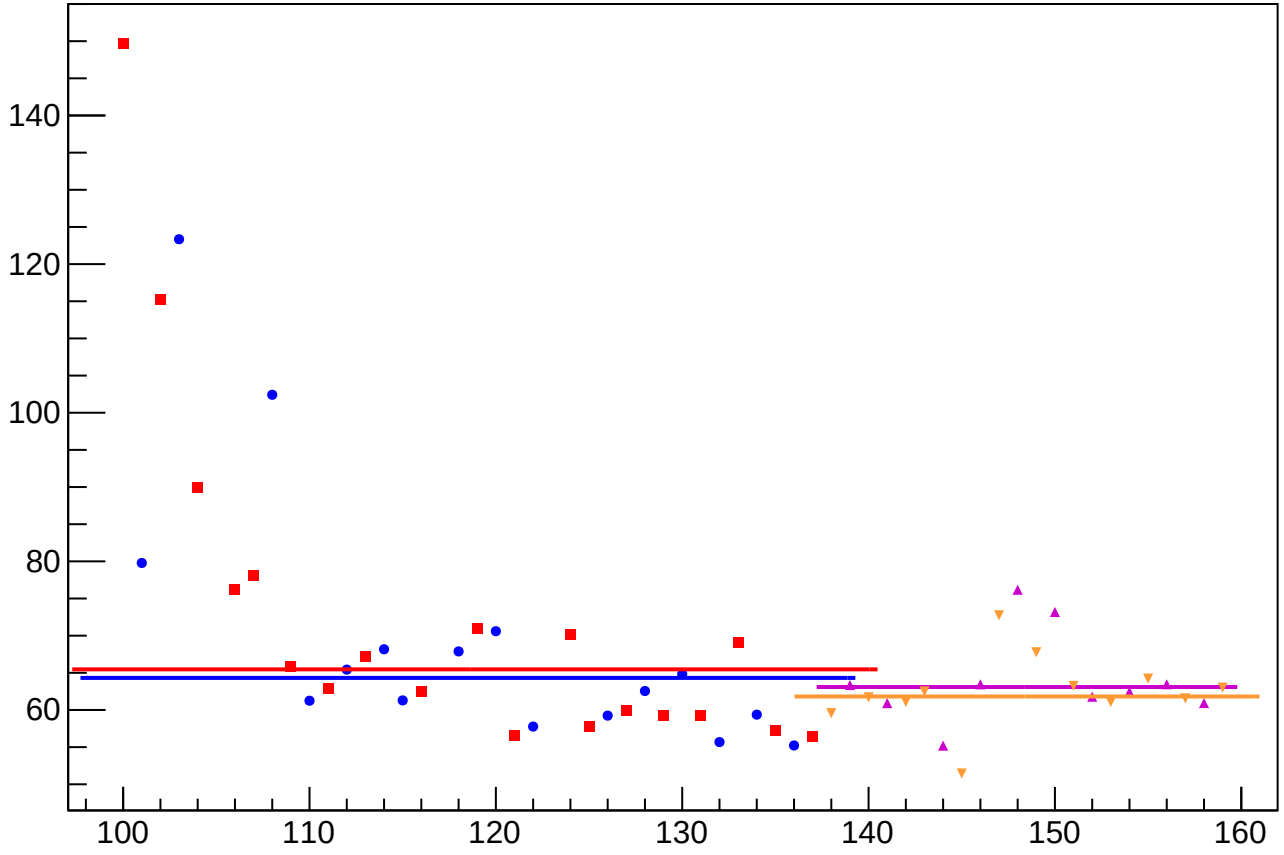
Left In: 119.948+/-21.551 χ^2/NDF:6.7/9

\+ sign -19.898+/-15.542 χ^2/NDF: 56.8/27

All: 23.529+/-11.215 χ^2/NDF: 112.1/56

\- sign 70.709+/-16.200 χ^2/NDF: 39.0/28

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

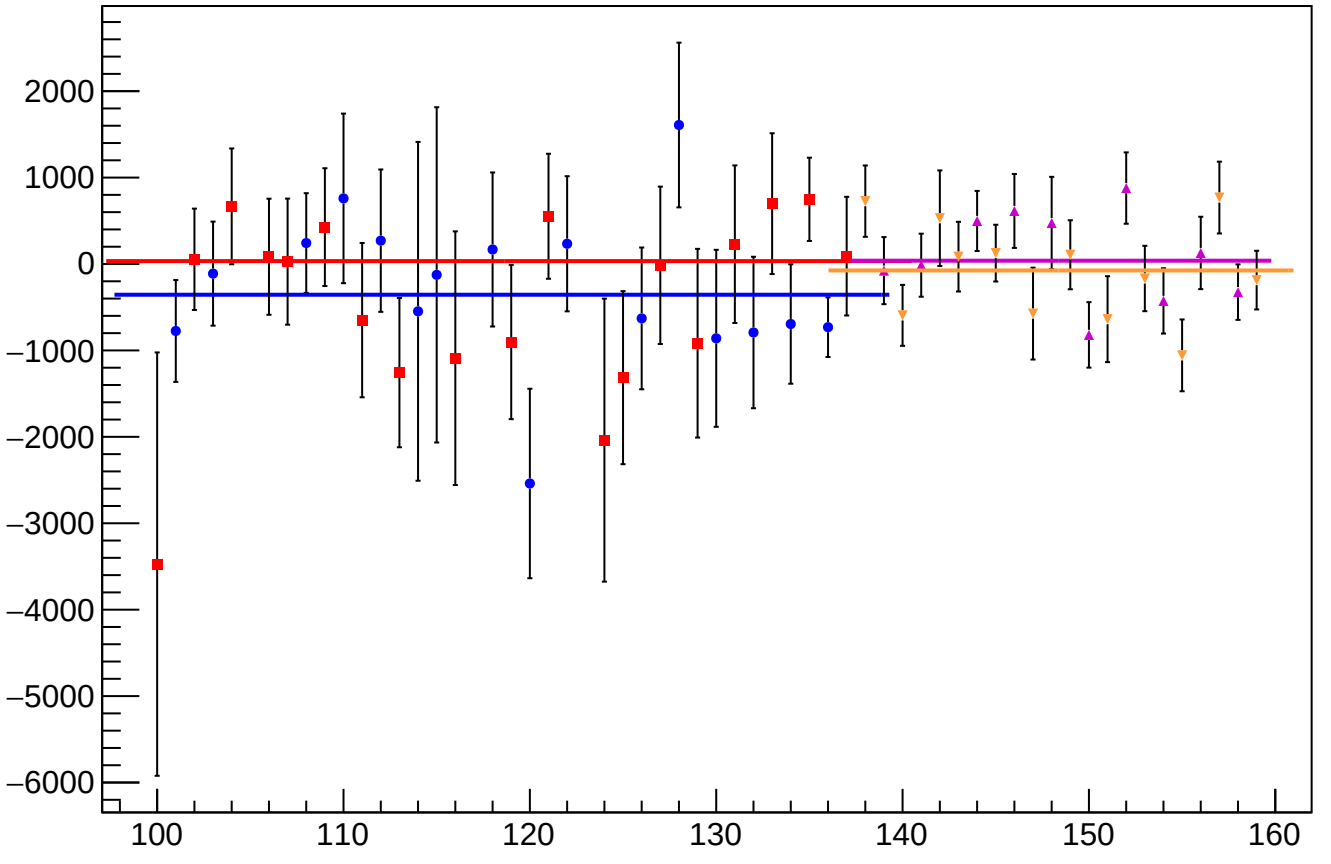
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.094+/-0.015 χ^2/NDF:125412.3/9

+ sign 62.825+/-0.011 χ^2/NDF: 666185.7/27

All: 63.449+/-0.008 χ^2/NDF: 1291208.5/56

- sign 64.126+/-0.011 χ^2/NDF: 618310.1/28



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

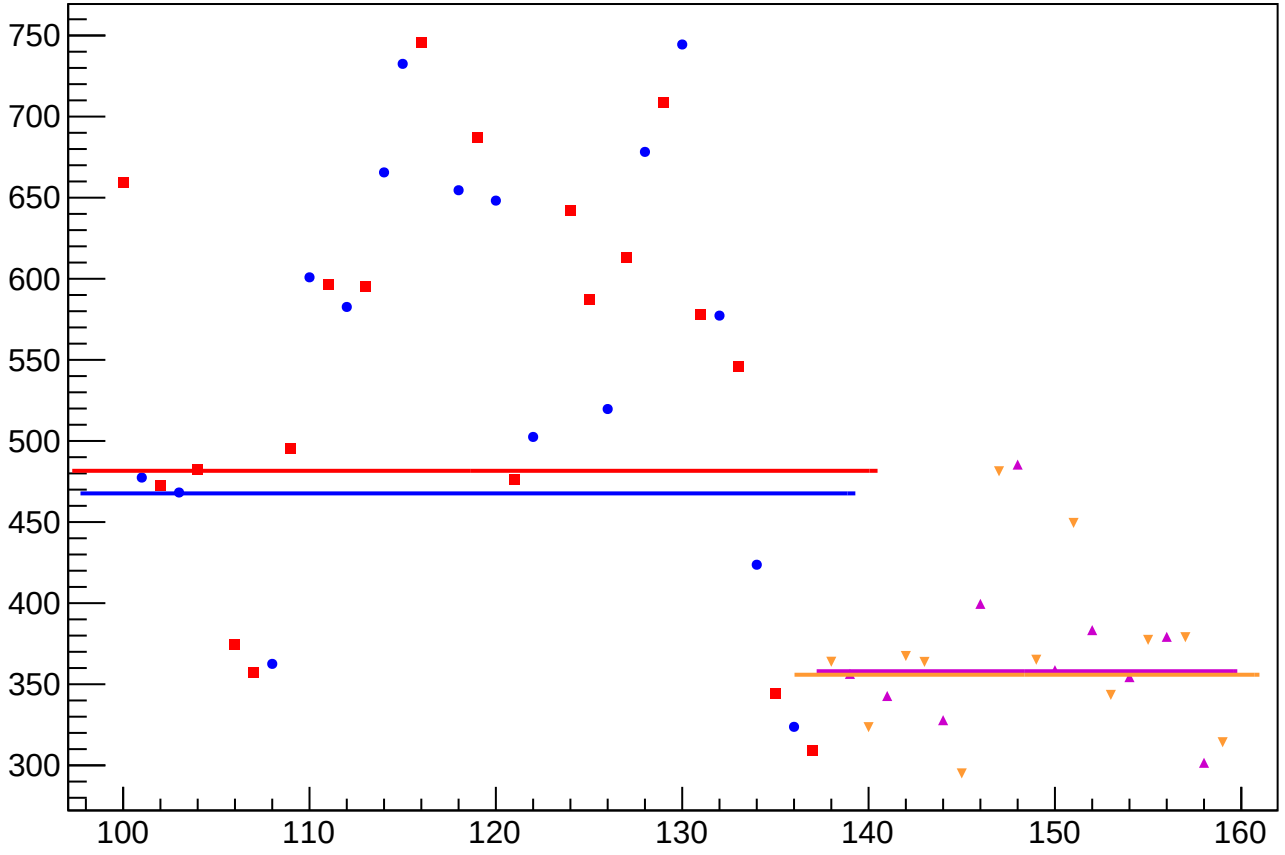
Left In: 38.224+/-122.511 χ^2/NDF:16.5/9

+ sign -157.196+/-97.840 χ^2/NDF: 36.4/27

All: -63.793+/-70.460 χ^2/NDF: 70.2/56

- sign 36.836+/-101.554 χ^2/NDF: 31.9/28

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

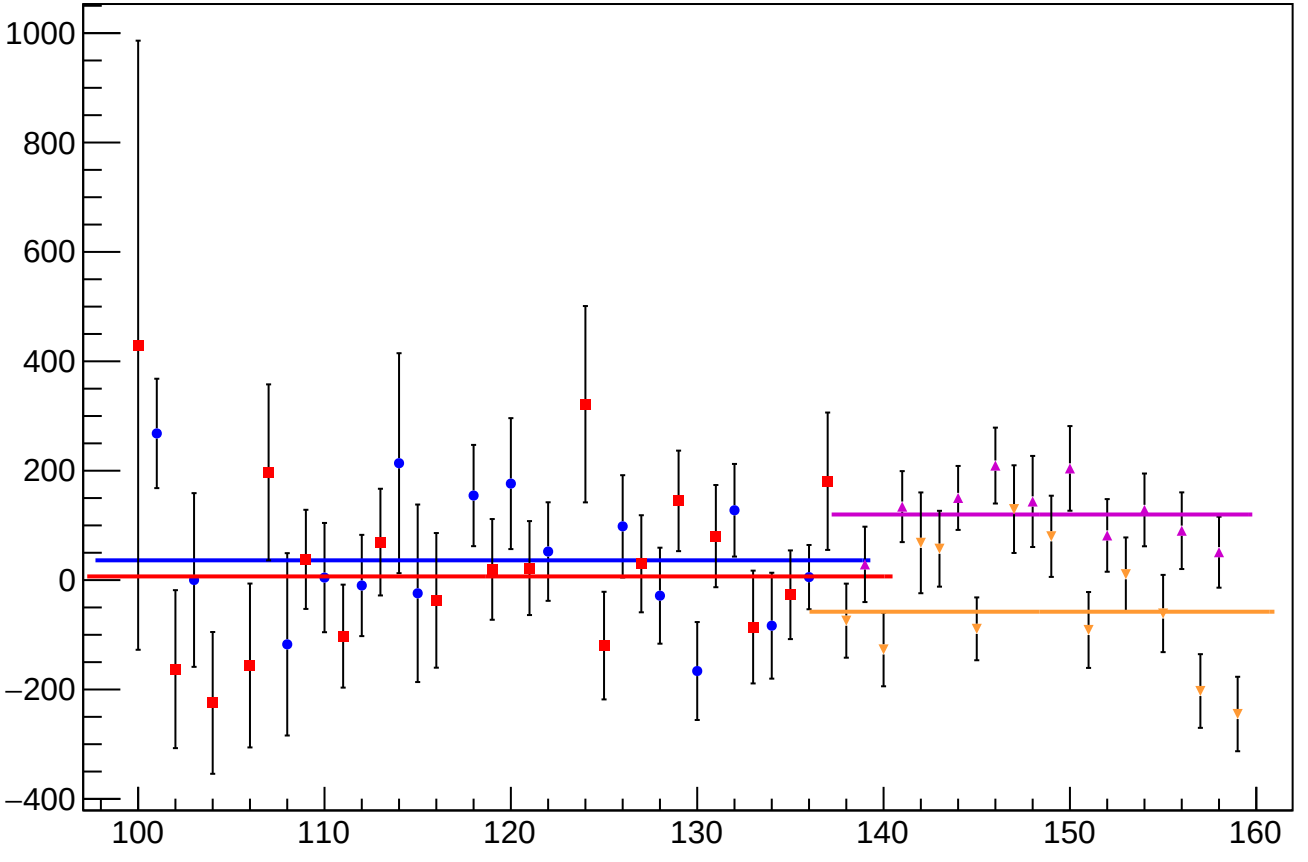
Left In: 358.032+/-0.087 χ^2/NDF:225848.2/9

+ sign 388.778+/-0.069 χ^2/NDF: 1843547.2/27

All: 392.587+/-0.050 χ^2/NDF: 3566529.4/56

- sign 396.692+/-0.072 χ^2/NDF: 1716682.8/28

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

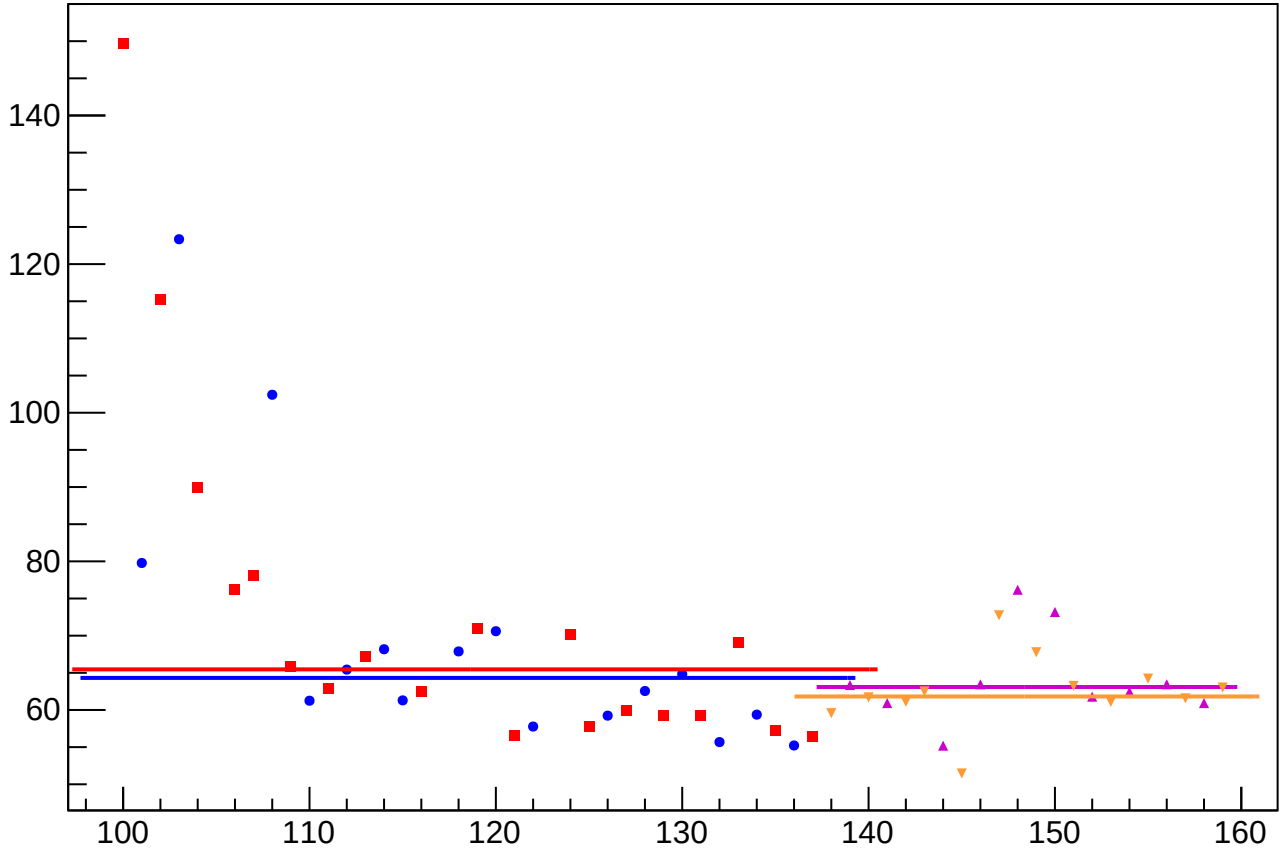
Left In: 119.948+/-21.551 χ^2/NDF:6.7/9

+ sign -19.897+/-15.542 χ^2/NDF: 56.8/27

All: 23.529+/-11.215 χ^2/NDF: 112.1/56

- sign 70.709+/-16.200 χ^2/NDF: 39.0/28

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

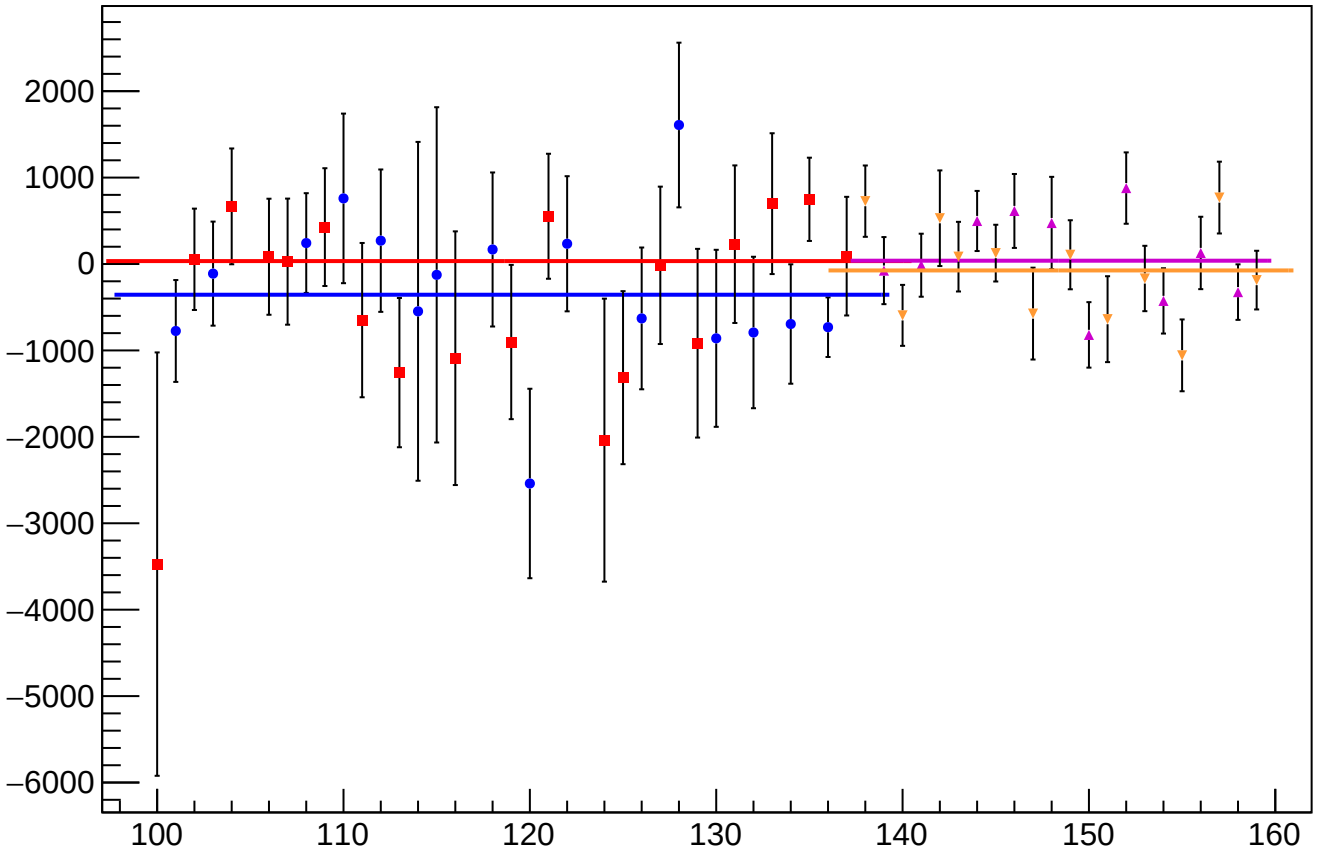
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.094+/-0.015 χ^2/NDF:125414.7/9

+ sign 62.825+/-0.011 χ^2/NDF: 666195.0/27

All: 63.449+/-0.008 χ^2/NDF: 1291224.5/56

- sign 64.126+/-0.011 χ^2/NDF: 618317.0/28



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -74.461+/-116.472 χ^2/NDF:19.9/11

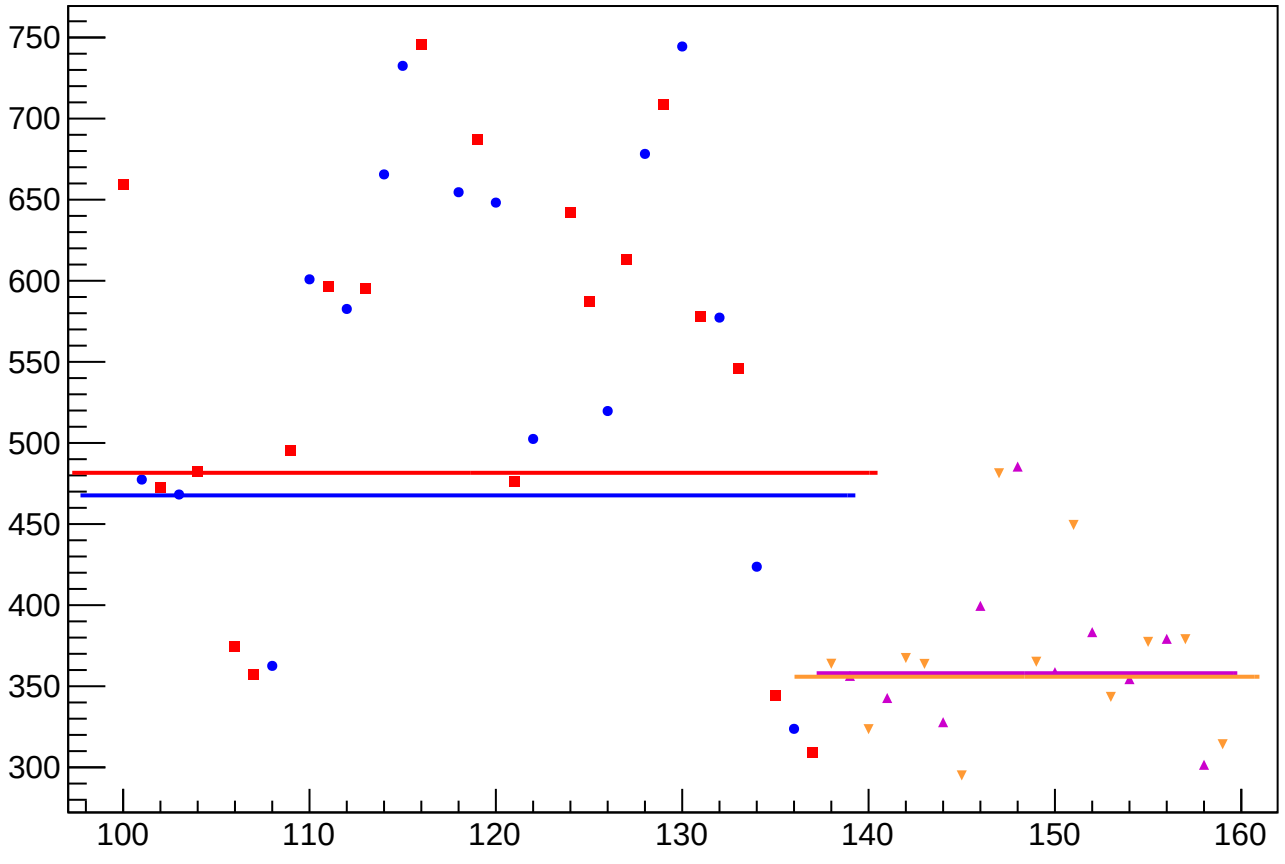
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 38.224+/-122.511 χ^2/NDF:16.5/9

+ sign -157.195+/-97.840 χ^2/NDF: 36.4/27

All: -63.793+/-70.460 χ^2/NDF: 70.2/56

- sign 36.836+/-101.554 χ^2/NDF: 31.9/28



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

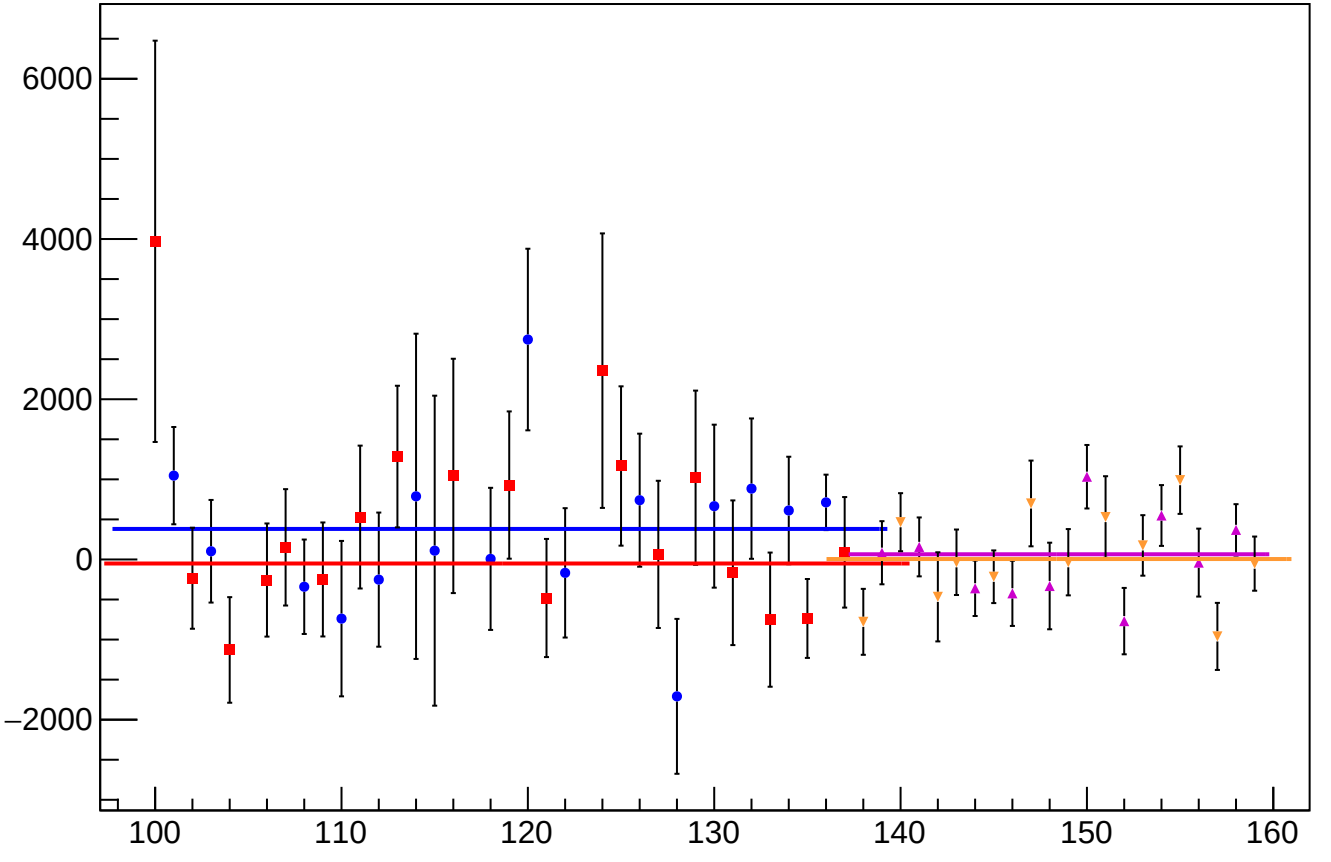
Left In: 358.033+/-0.087 χ^2/NDF:225849.2/9

+ sign 388.778+/-0.069 χ^2/NDF: 1843543.0/27

All: 392.587+/-0.050 χ^2/NDF: 3566517.1/56

- sign 396.692+/-0.072 χ^2/NDF: 1716674.8/28

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

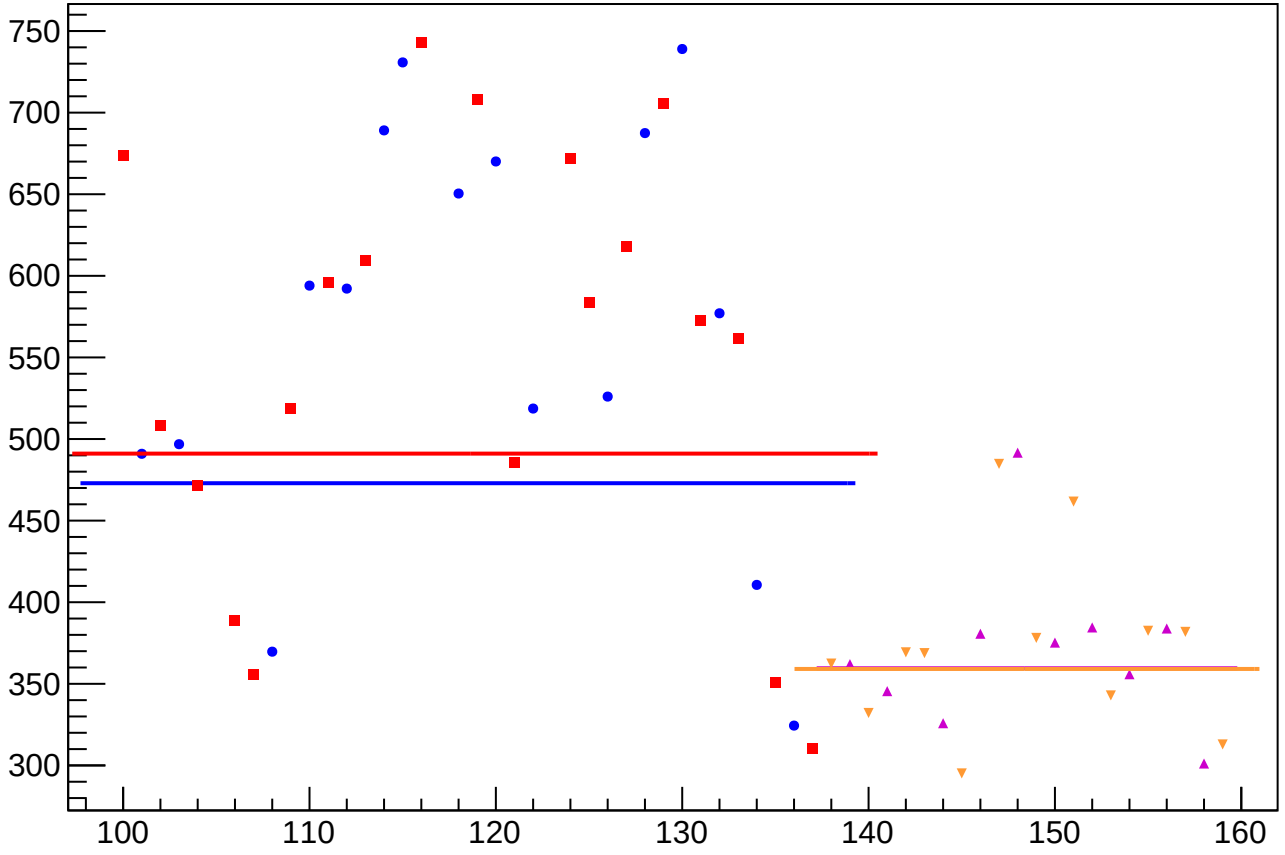
Left In: 64.867+/-123.043 χ^2/NDF:16.1/9

\+ sign 115.501+/-98.892 χ^2/NDF: 39.3/27

All: 74.082+/-71.167 χ^2/NDF: 73.6/56

\- sign 29.587+/-102.497 χ^2/NDF: 33.9/28

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

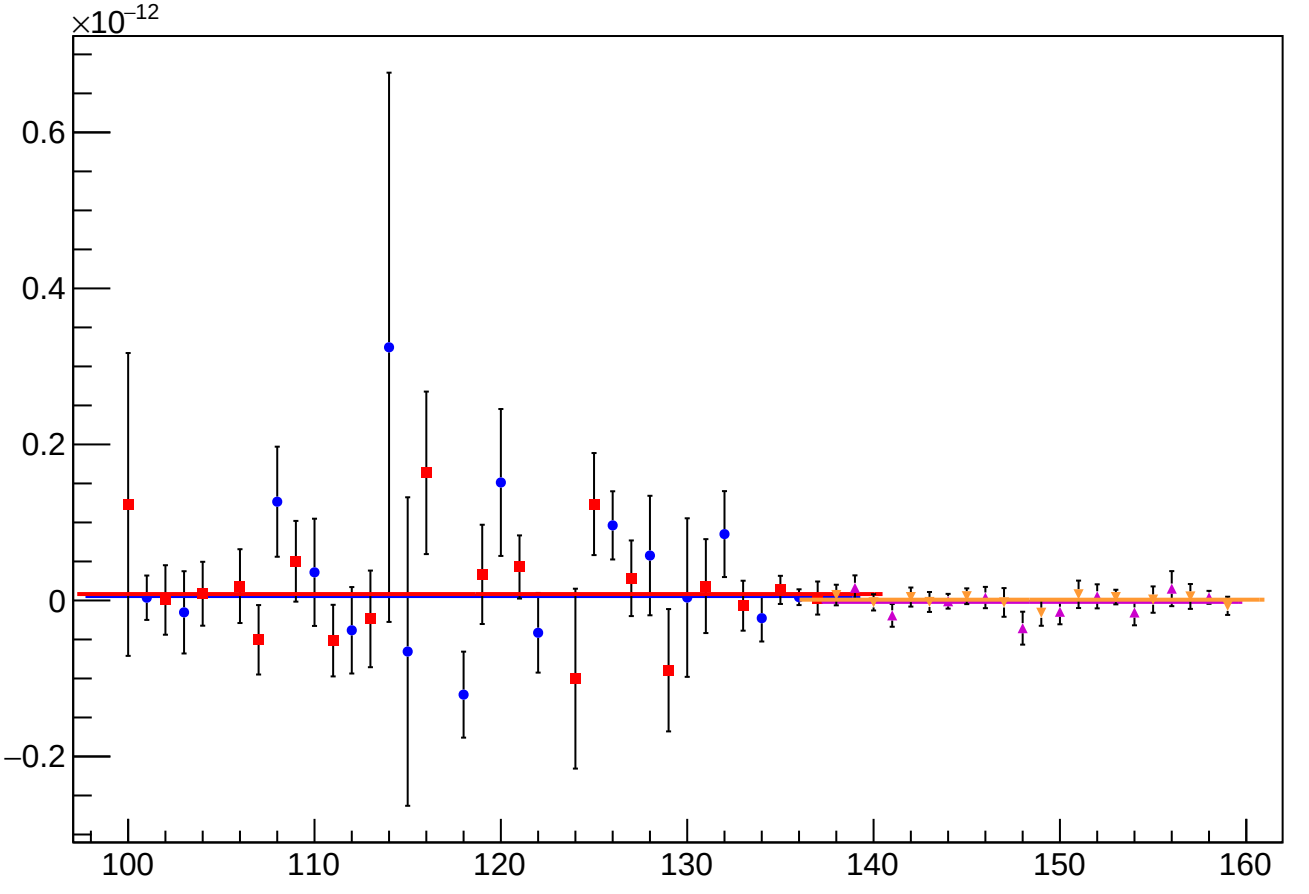
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 359.543+/-0.087 χ^2/NDF:230200.9/9

+ sign 392.478+/-0.070 χ^2/NDF: 1886653.1/27

All: 396.008+/-0.050 χ^2/NDF: 3669066.2/56

- sign 399.800+/-0.072 χ^2/NDF: 1777128.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/11

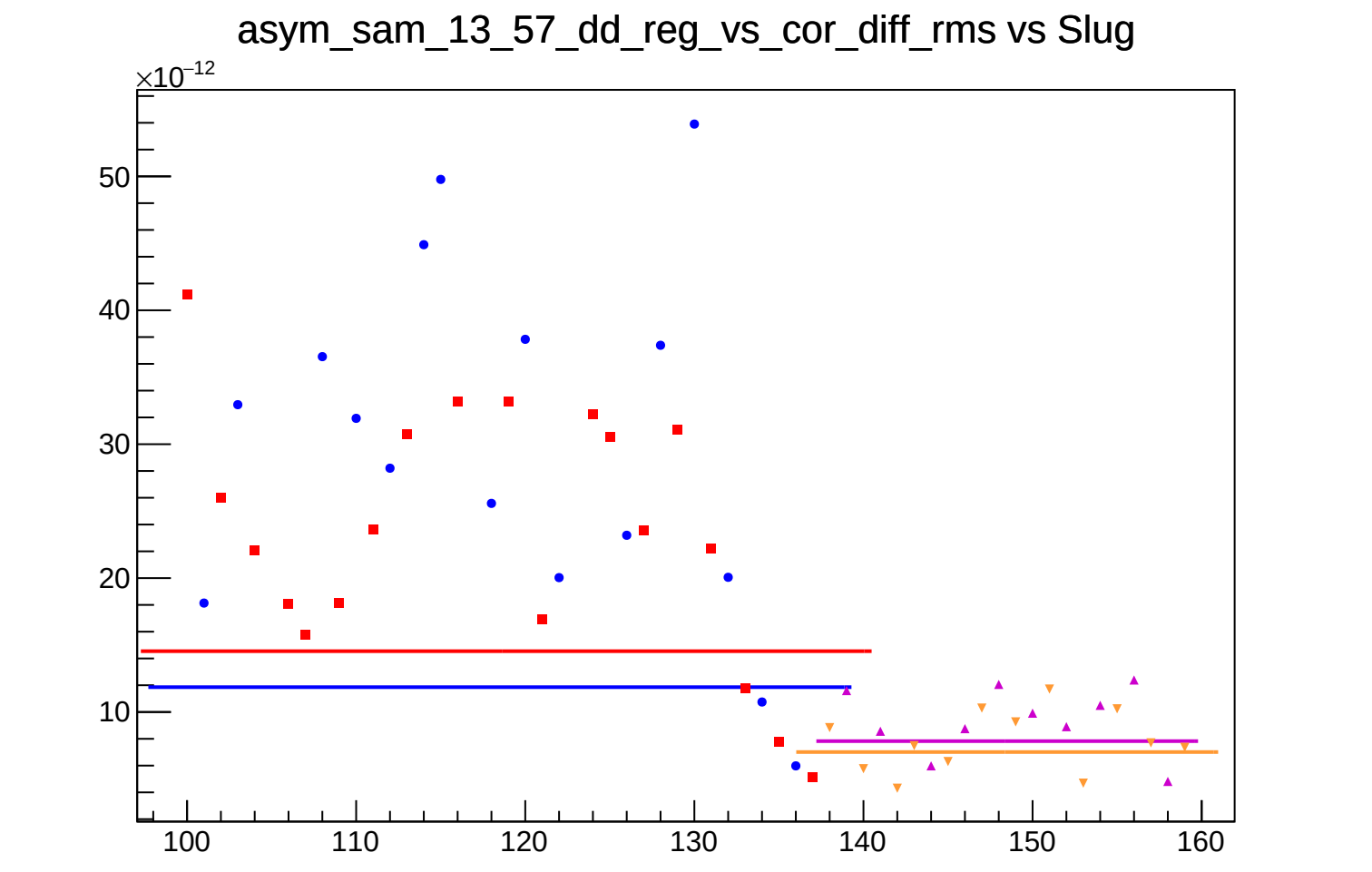
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/27

All: 0.000+/-0.000 χ^2/NDF: 47.0/56

- sign -0.000+/-0.000 χ^2/NDF: 22.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:621781.8/11

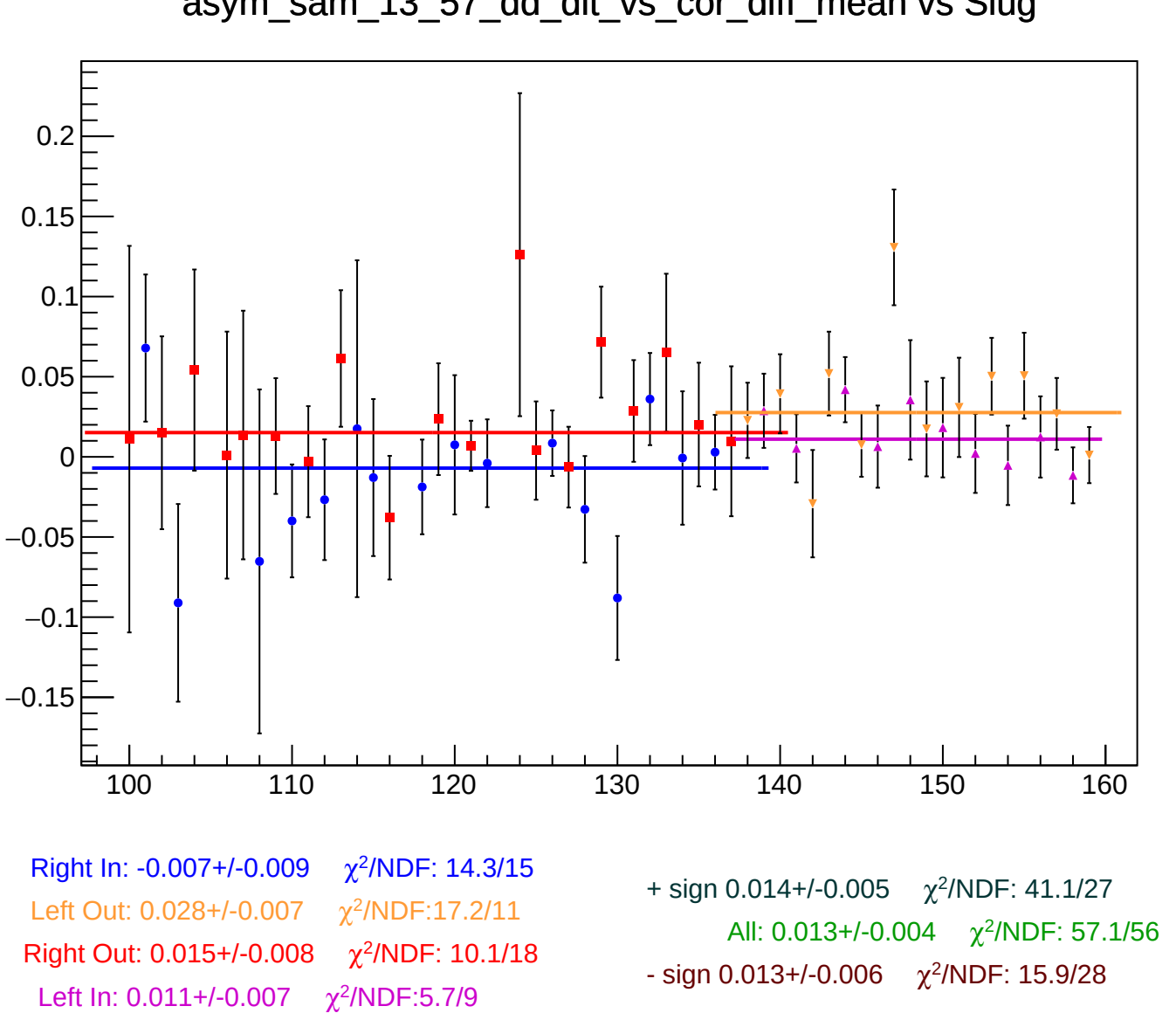
Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

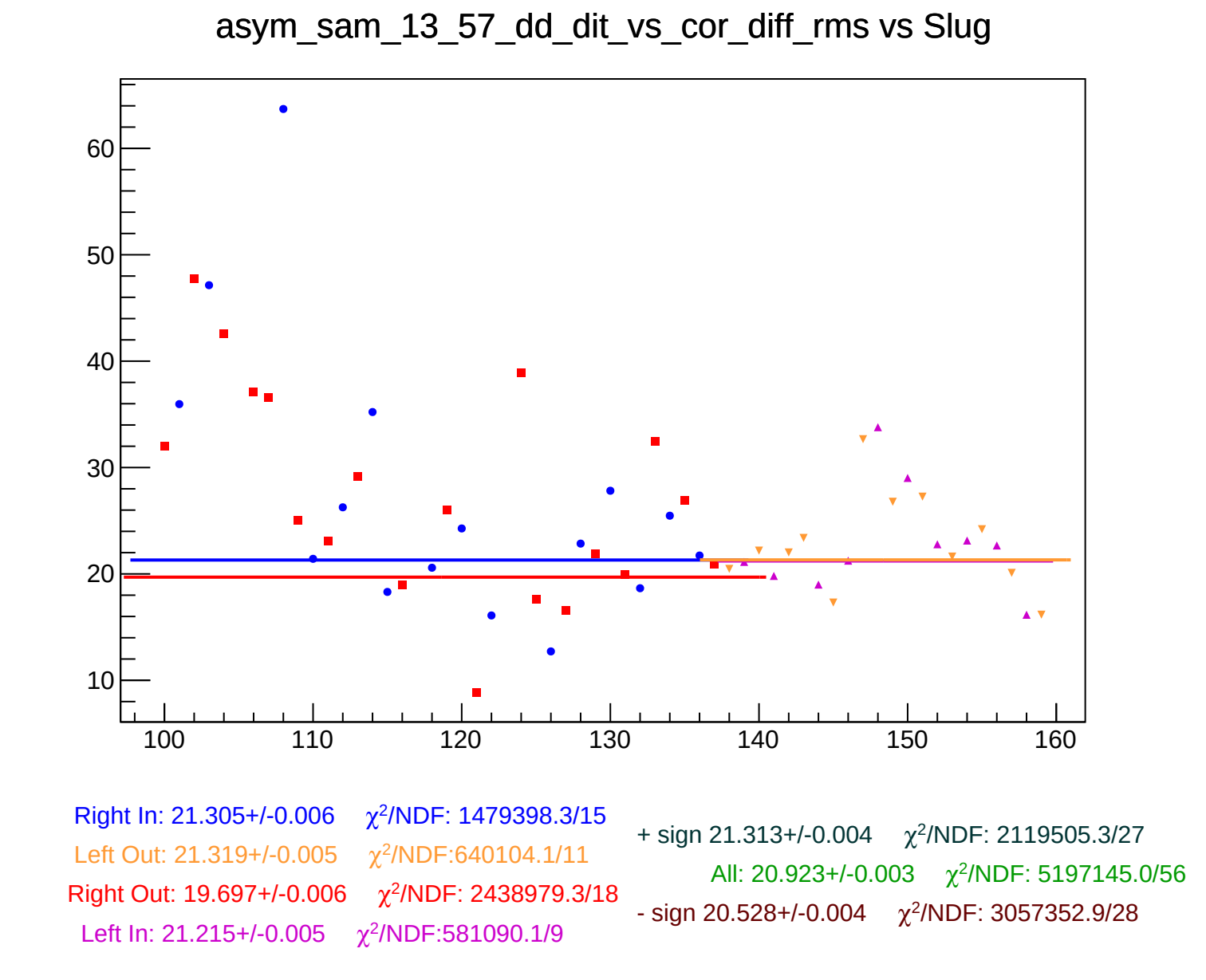
Left In: 0.000+/-0.000 χ^2/NDF:723997.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4062001.1/27

All: 0.000+/-0.000 χ^2/NDF: 7520573.0/56

- sign 0.000+/-0.000 χ^2/NDF: 3359098.1/28


asym_sam_13_57_dd_dit_vs_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: 0.011+/-0.007 χ²/NDF:5.7/9
+ sign 0.014+/-0.005 χ²/NDF: 41.1/27
All: 0.013+/-0.004 χ²/NDF: 57.1/56
- sign 0.013+/-0.006 χ²/NDF: 15.9/28


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug
60
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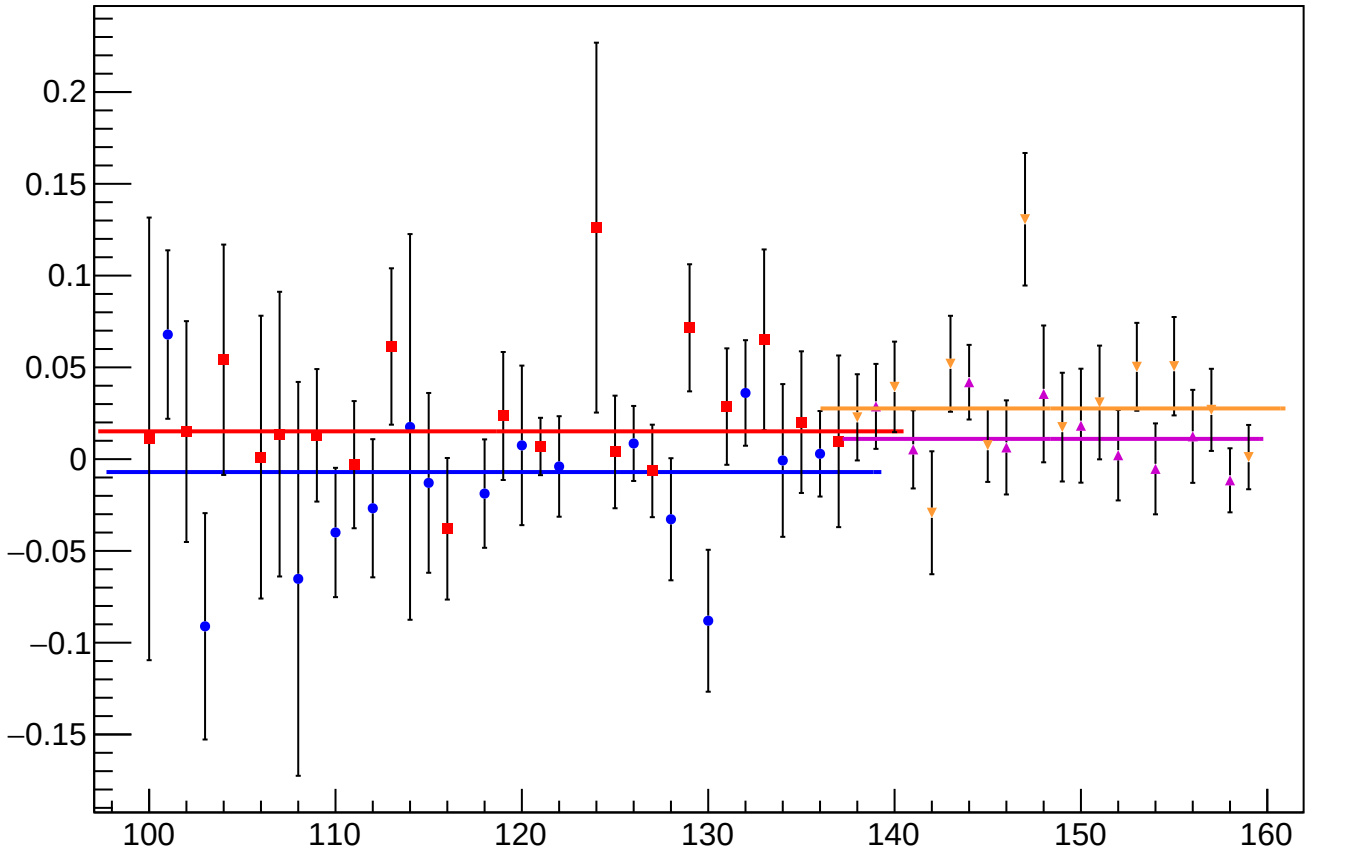
140
150
160
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 21.319+/-0.005 χ²/NDF:640104.1/11
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 21.215+/-0.005 χ²/NDF:581090.1/9
+ sign 21.313+/-0.004 χ²/NDF: 2119505.3/27
All: 20.923+/-0.003 χ²/NDF: 5197145.0/56
- sign 20.528+/-0.004 χ²/NDF: 3057352.9/28



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.028+/-0.007 χ^2/NDF:17.2/11

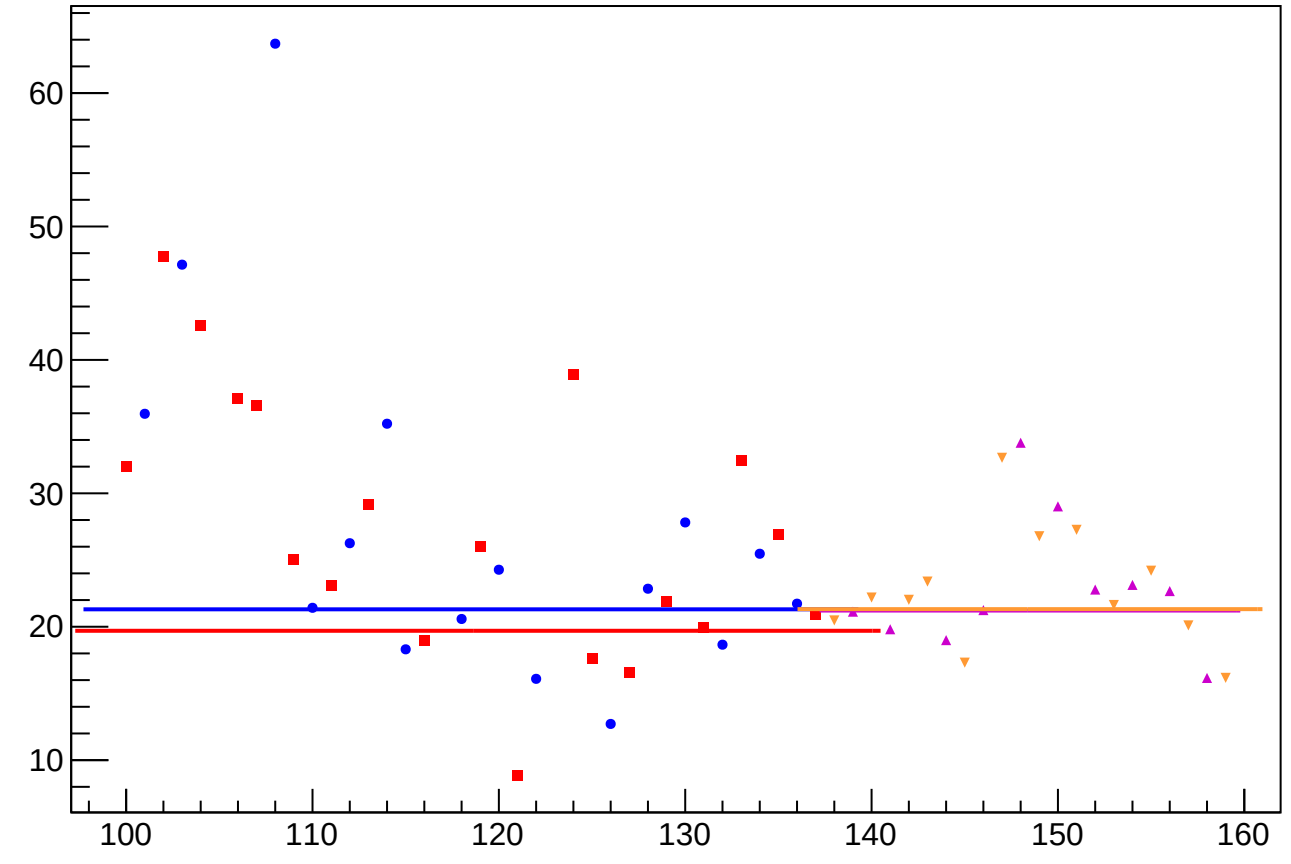
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.011+/-0.007 χ^2/NDF:5.7/9

+ sign 0.014+/-0.005 χ^2/NDF: 41.1/27

All: 0.013+/-0.004 χ^2/NDF: 57.1/56

- sign 0.013+/-0.006 χ^2/NDF: 15.9/28



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 21.319+/-0.005 χ^2/NDF:640104.1/11

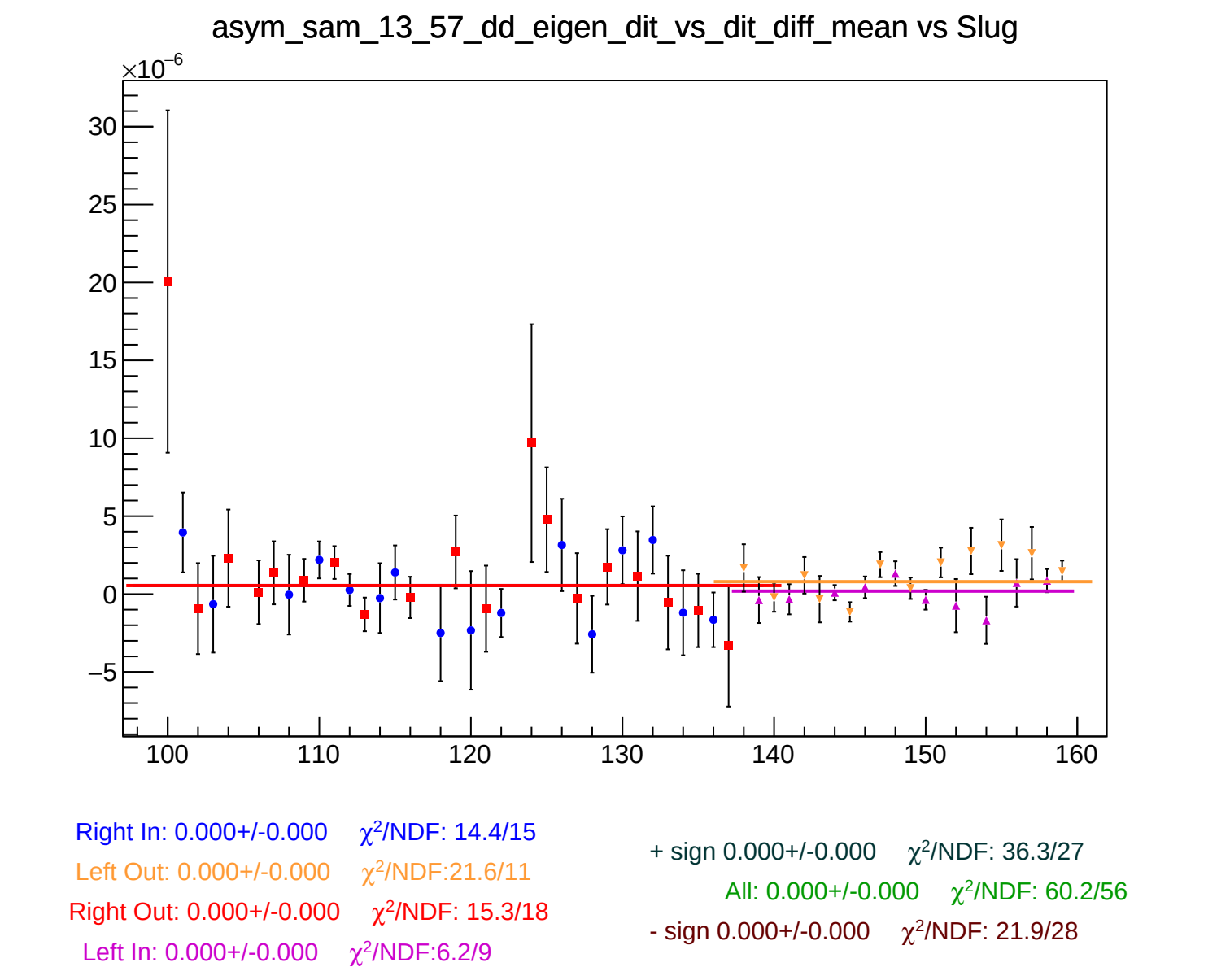
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 21.215+/-0.005 χ^2/NDF:581090.1/9

+ sign 21.313+/-0.004 χ^2/NDF: 2119505.3/27

All: 20.923+/-0.003 χ^2/NDF: 5197145.0/56

- sign 20.528+/-0.004 χ^2/NDF: 3057352.9/28


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug
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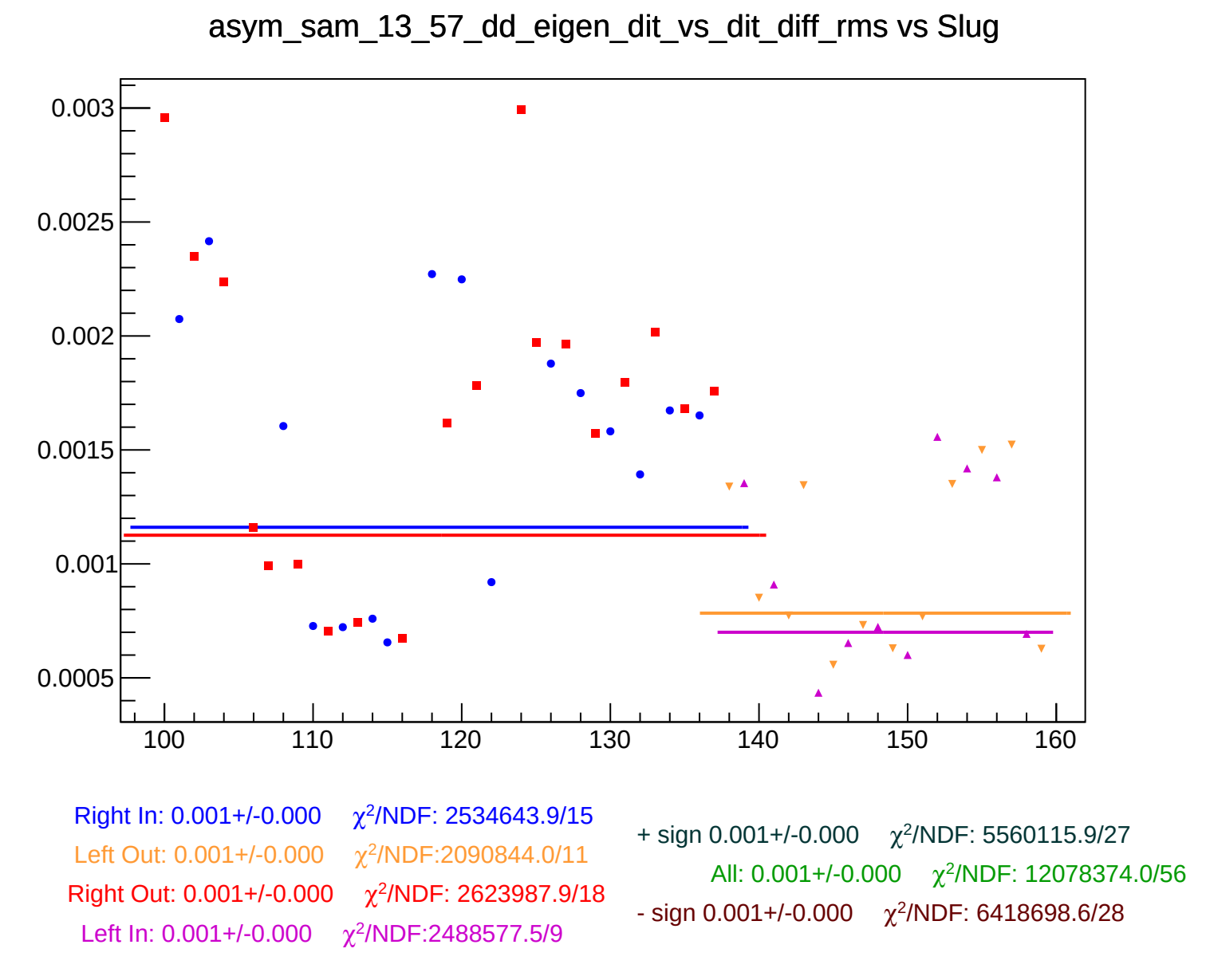
160
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:21.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 15.3/18
Left In: 0.000+/-0.000 χ²/NDF:6.2/9
+ sign 0.000+/-0.000 χ²/NDF: 36.3/27
All: 0.000+/-0.000 χ²/NDF: 60.2/56
- sign 0.000+/-0.000 χ²/NDF: 21.9/28


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
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0.002
0.0015
0.001
0.0005
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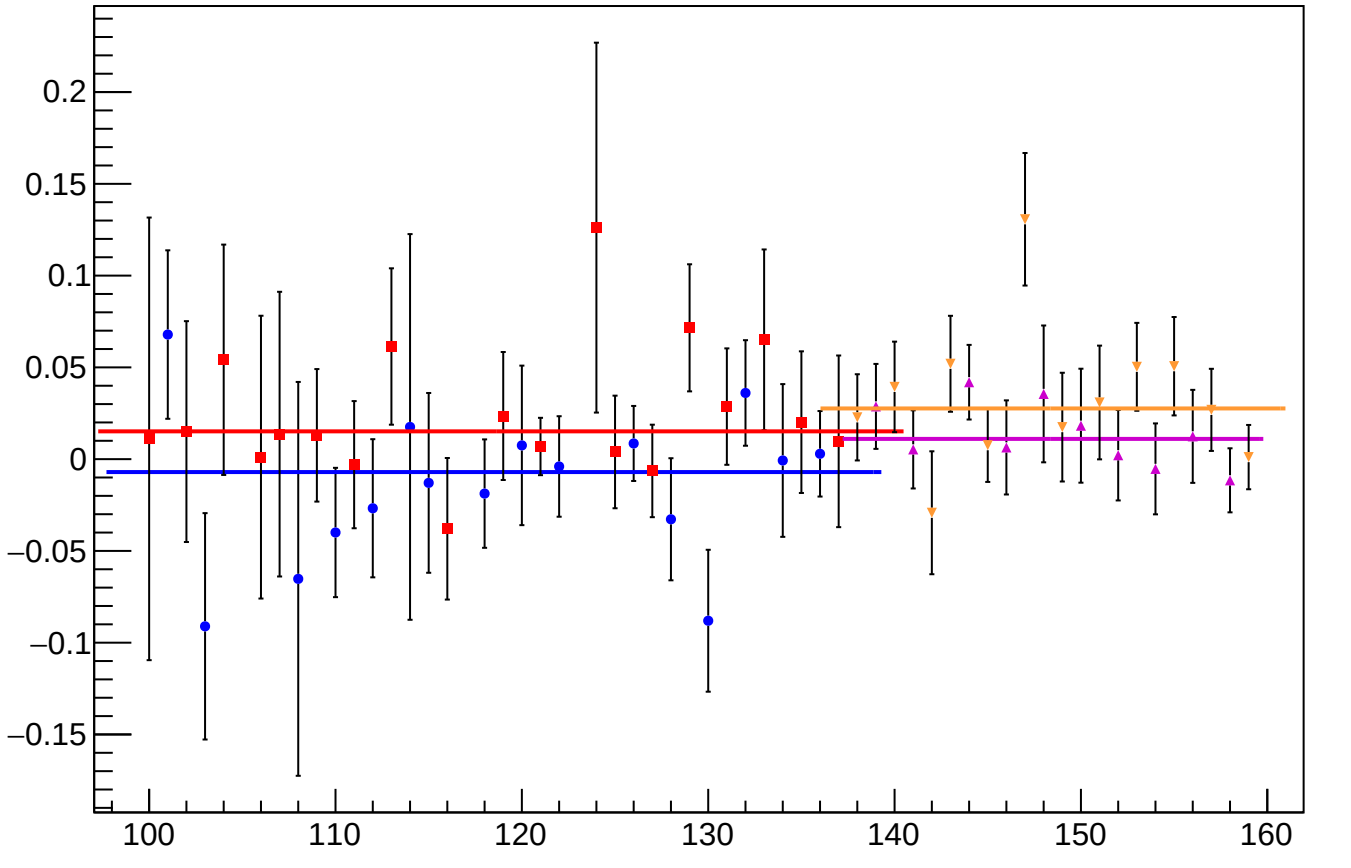
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2090844.0/11
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:2488577.5/9
+ sign 0.001+/-0.000 χ²/NDF: 5560115.9/27
All: 0.001+/-0.000 χ²/NDF: 12078374.0/56
- sign 0.001+/-0.000 χ²/NDF: 6418698.6/28



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.028+/-0.007 χ^2/NDF:17.2/11

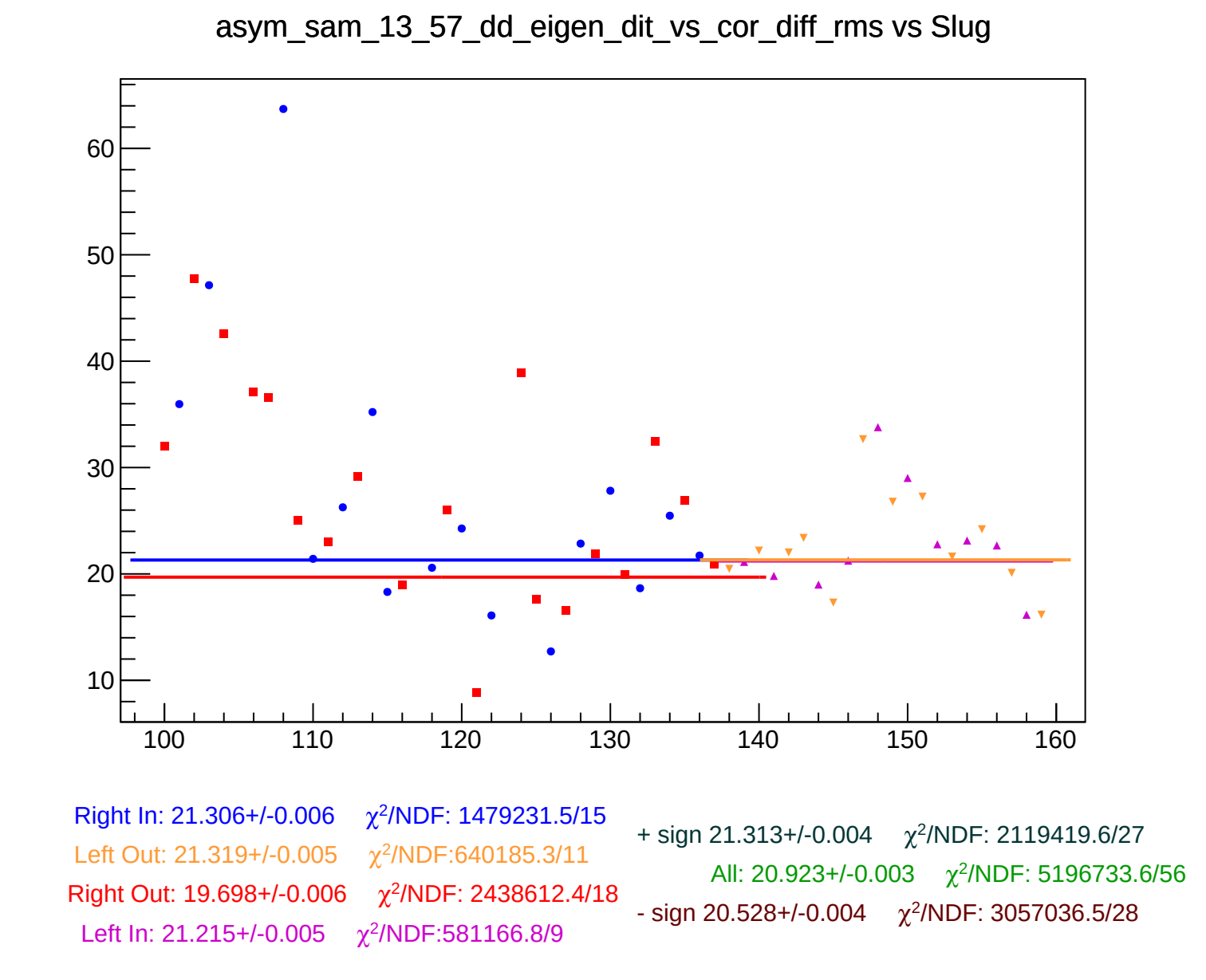
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.011+/-0.007 χ^2/NDF:5.7/9

+ sign 0.014+/-0.005 χ^2/NDF: 41.1/27

All: 0.013+/-0.004 χ^2/NDF: 57.1/56

- sign 0.013+/-0.006 χ^2/NDF: 15.9/28


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug
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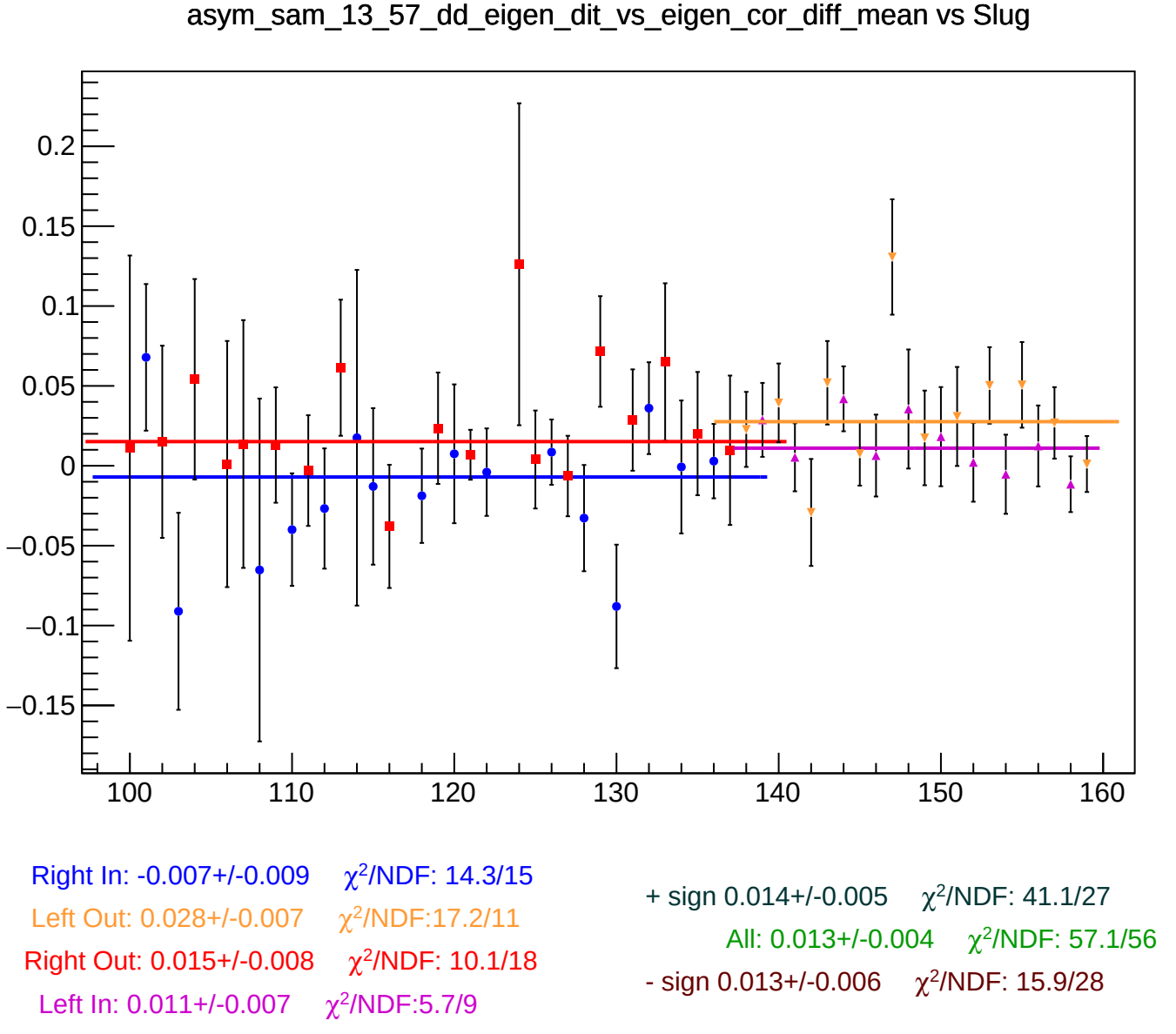
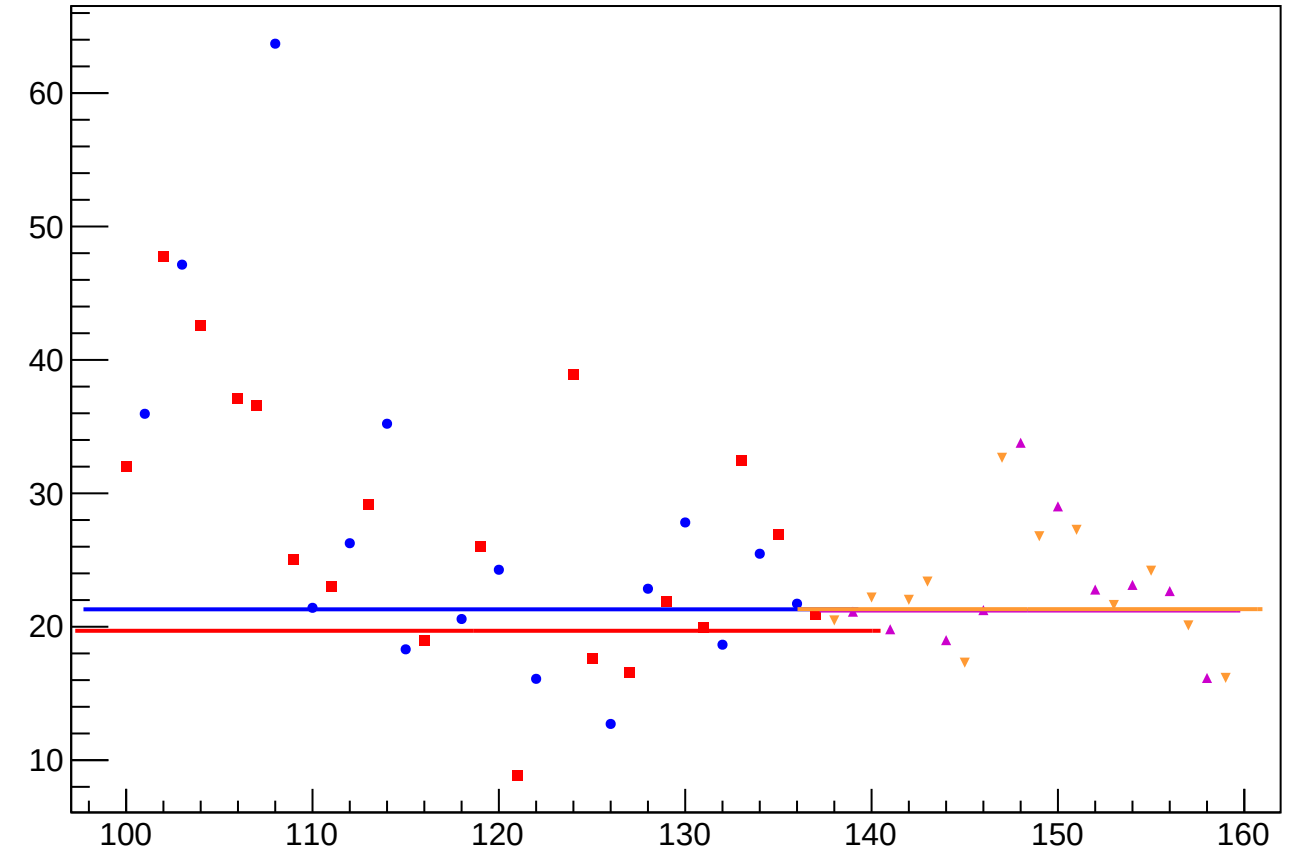
140
150
160
Right In: 21.306+/-0.006 χ²/NDF: 1479231.5/15
Left Out: 21.319+/-0.005 χ²/NDF:640185.3/11
Right Out: 19.698+/-0.006 χ²/NDF: 2438612.4/18
Left In: 21.215+/-0.005 χ²/NDF:581166.8/9
+ sign 21.313+/-0.004 χ²/NDF: 2119419.6/27
All: 20.923+/-0.003 χ²/NDF: 5196733.6/56
- sign 20.528+/-0.004 χ²/NDF: 3057036.5/28


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: 0.011+/-0.007 χ²/NDF:5.7/9
+ sign 0.014+/-0.005 χ²/NDF: 41.1/27
All: 0.013+/-0.004 χ²/NDF: 57.1/56
- sign 0.013+/-0.006 χ²/NDF: 15.9/28



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.319+/-0.005 χ^2/NDF:640185.3/11

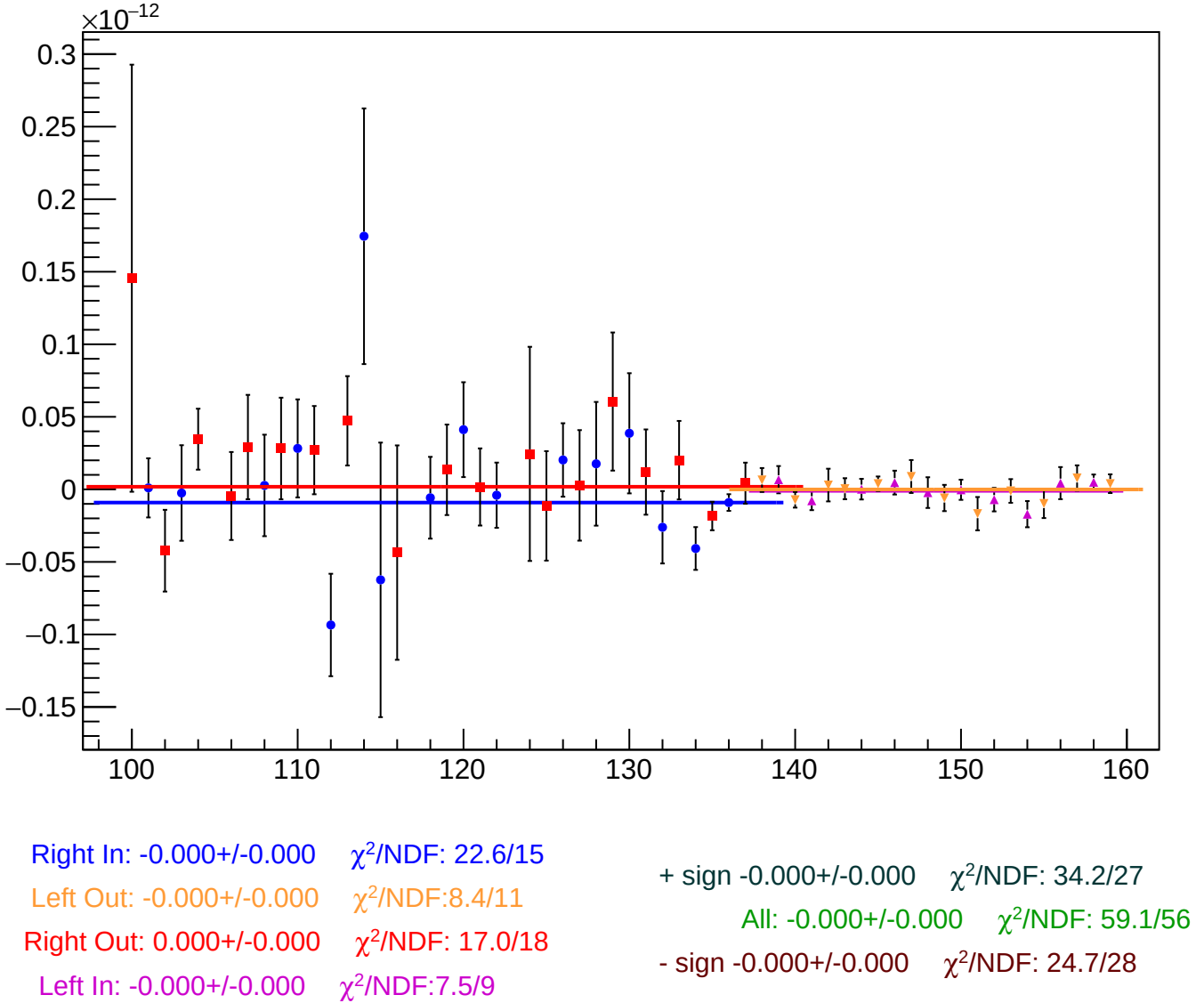
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

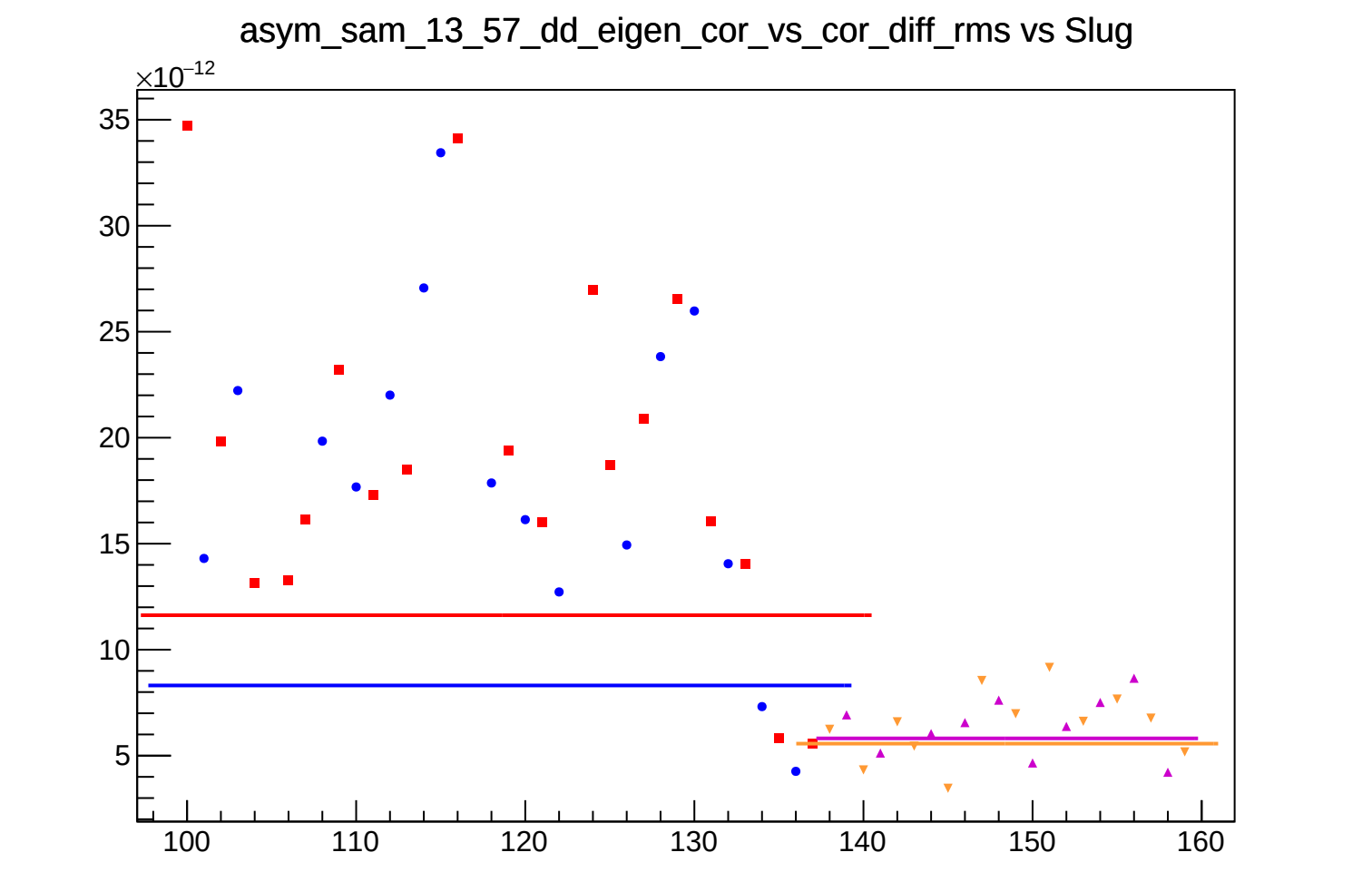
Left In: 21.215+/-0.005 χ^2/NDF:581166.8/9

+ sign 21.313+/-0.004 χ^2/NDF: 2119419.6/27

All: 20.923+/-0.003 χ^2/NDF: 5196733.6/56

- sign 20.528+/-0.004 χ^2/NDF: 3057036.5/28


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:7.5/9
+ sign -0.000+/-0.000 χ²/NDF: 34.2/27
All: -0.000+/-0.000 χ²/NDF: 59.1/56
- sign -0.000+/-0.000 χ²/NDF: 24.7/28



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

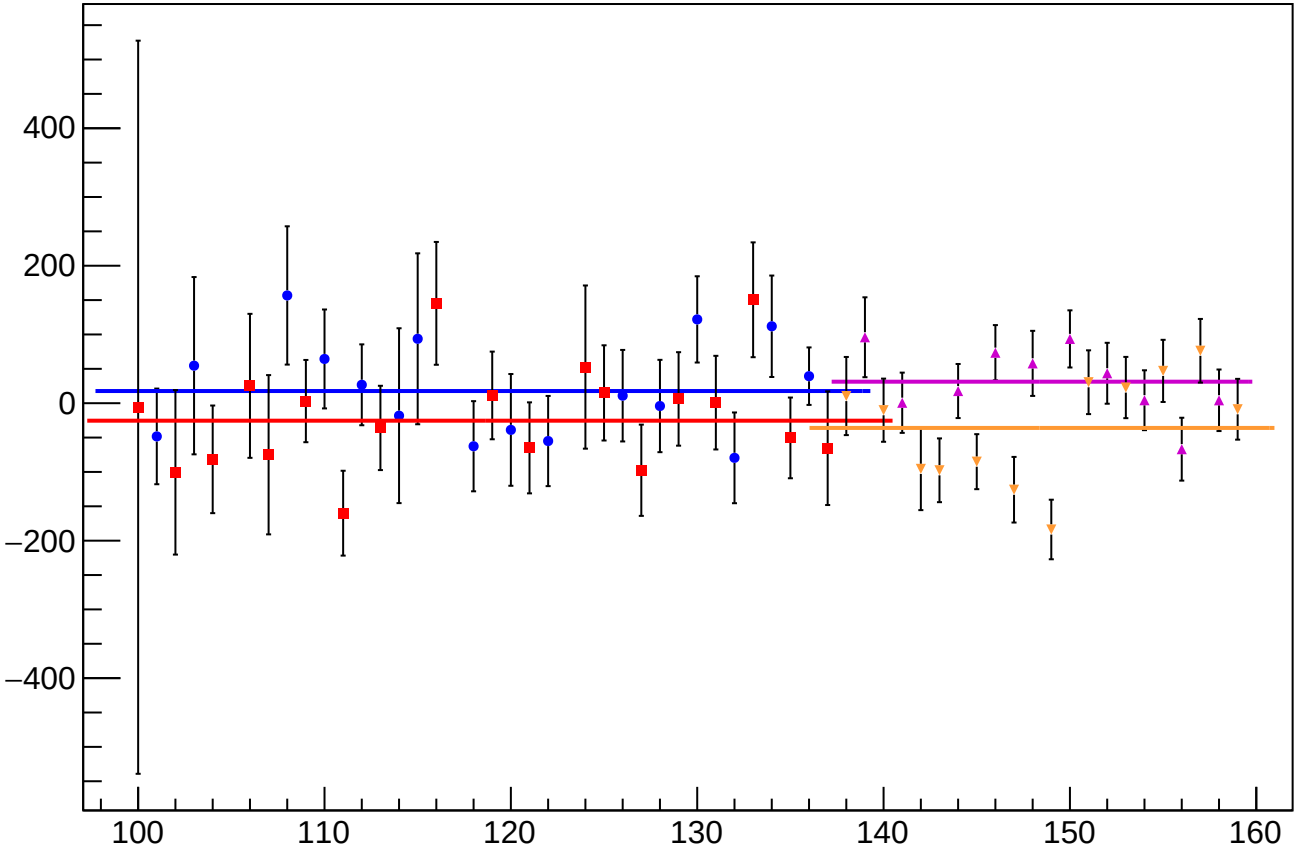
Left In: 0.000+/-0.000 χ^2/NDF:574734.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 5373066.3/27

All: 0.000+/-0.000 χ^2/NDF: 10410182.7/56

- sign 0.000+/-0.000 χ^2/NDF: 4953570.2/28

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

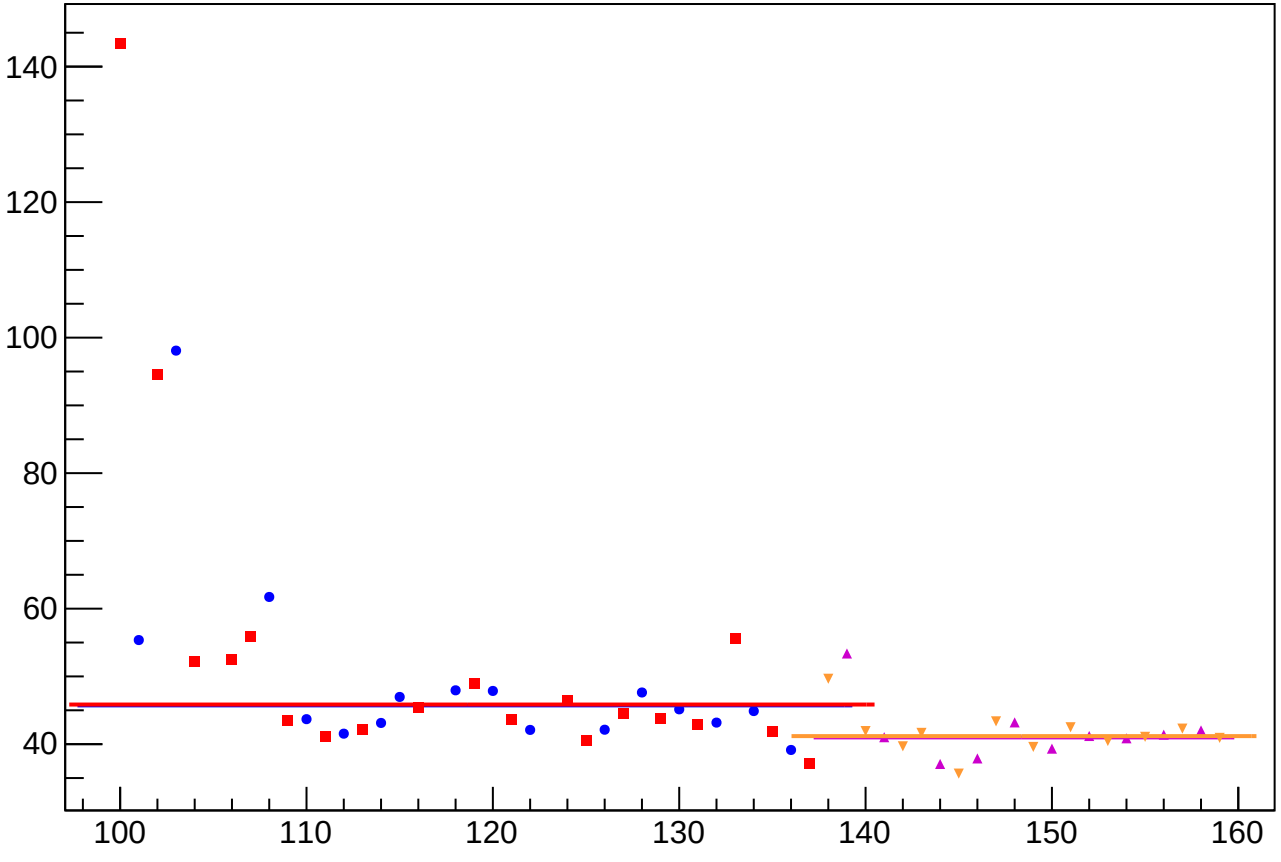
Left In: 31.293+/-13.974 χ^2/NDF:10.9/9

+ sign -16.071+/-10.640 χ^2/NDF: 53.7/27

All: -3.840+/-7.607 χ^2/NDF: 91.7/56

- sign 8.949+/-10.880 χ^2/NDF: 35.3/28

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

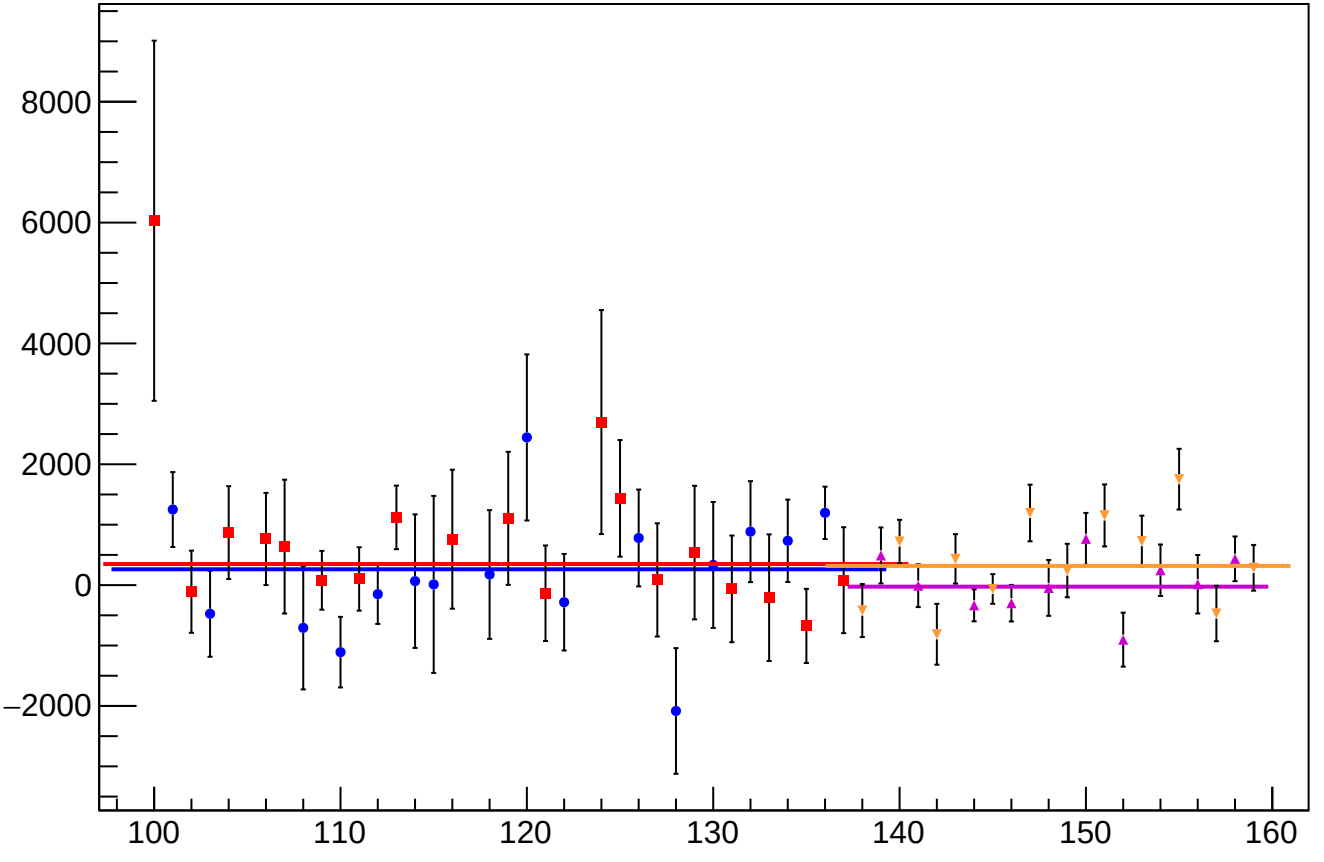
Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

+ sign 42.872+/-0.008 χ^2/NDF: 681147.9/27

All: 42.890+/-0.005 χ^2/NDF: 1447593.6/56

- sign 42.910+/-0.008 χ^2/NDF: 766433.2/28

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 317.602+/-116.058 χ^2/NDF:29.9/11

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

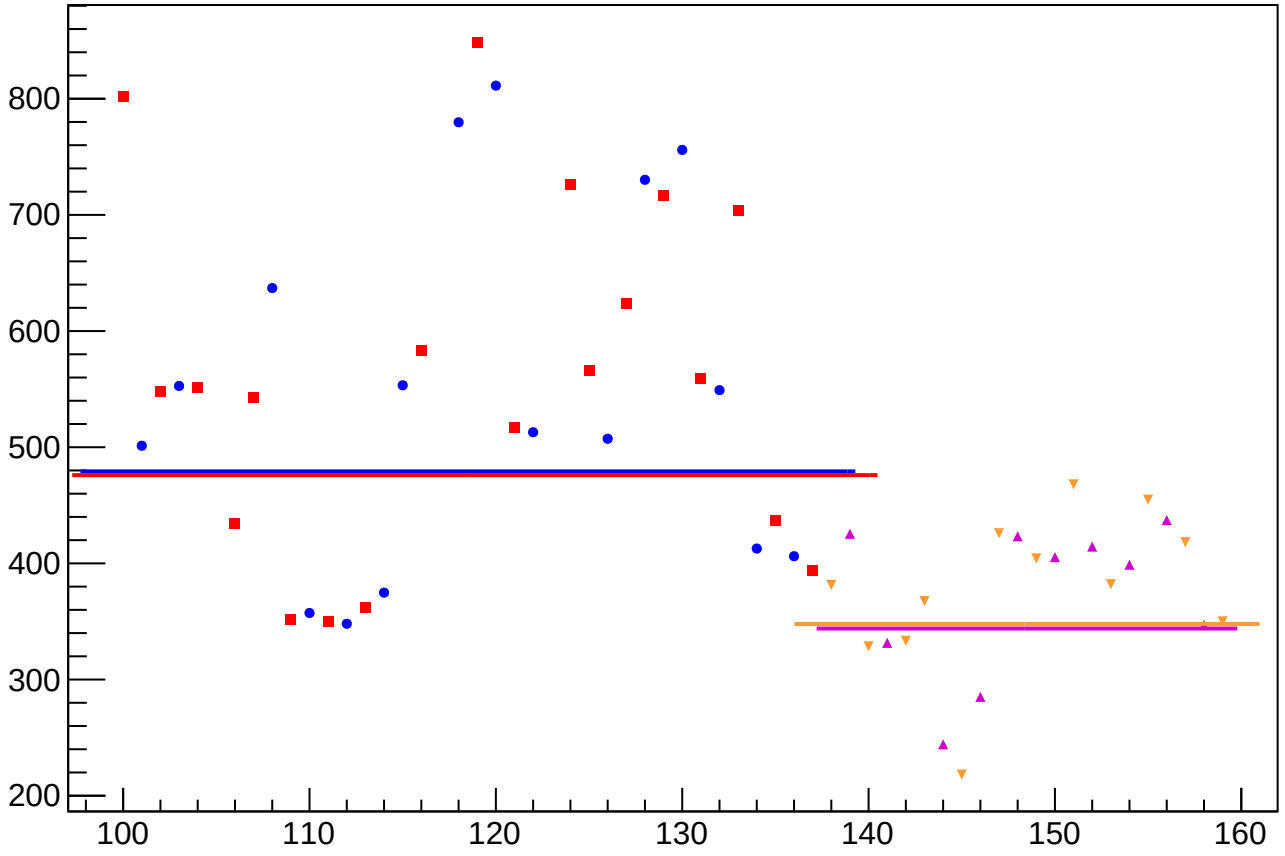
Left In: -25.839+/-119.499 χ^2/NDF:12.7/9

+ sign 301.909+/-98.345 χ^2/NDF: 54.9/27

All: 196.453+/-70.005 χ^2/NDF: 87.8/56

- sign 88.132+/-99.672 χ^2/NDF: 30.6/28

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

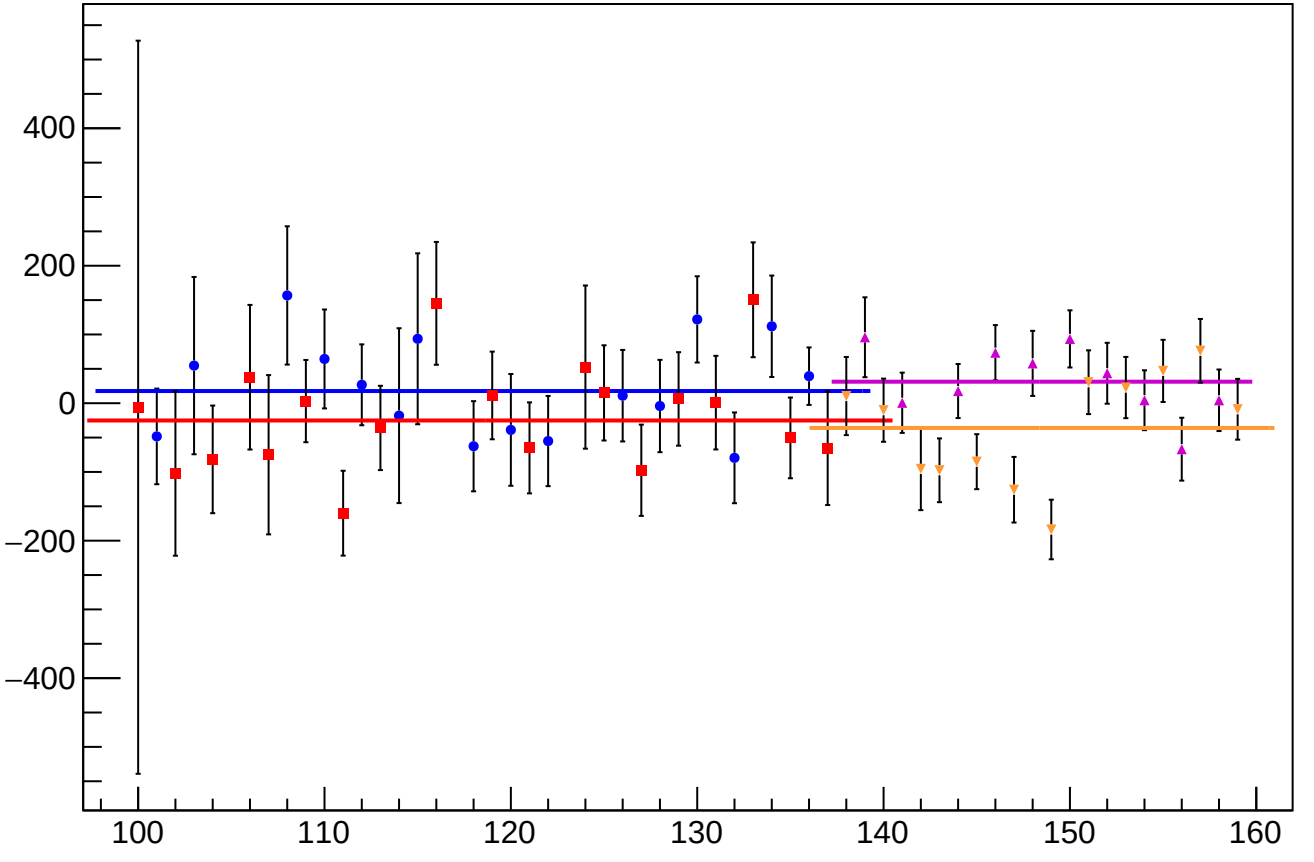
Left In: 343.921+/-0.084 χ^2/NDF:681418.8/9

+ sign 384.890+/-0.070 χ^2/NDF: 2605578.1/27

All: 384.506+/-0.050 χ^2/NDF: 5036958.9/56

- sign 384.111+/-0.070 χ^2/NDF: 2431318.9/28

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

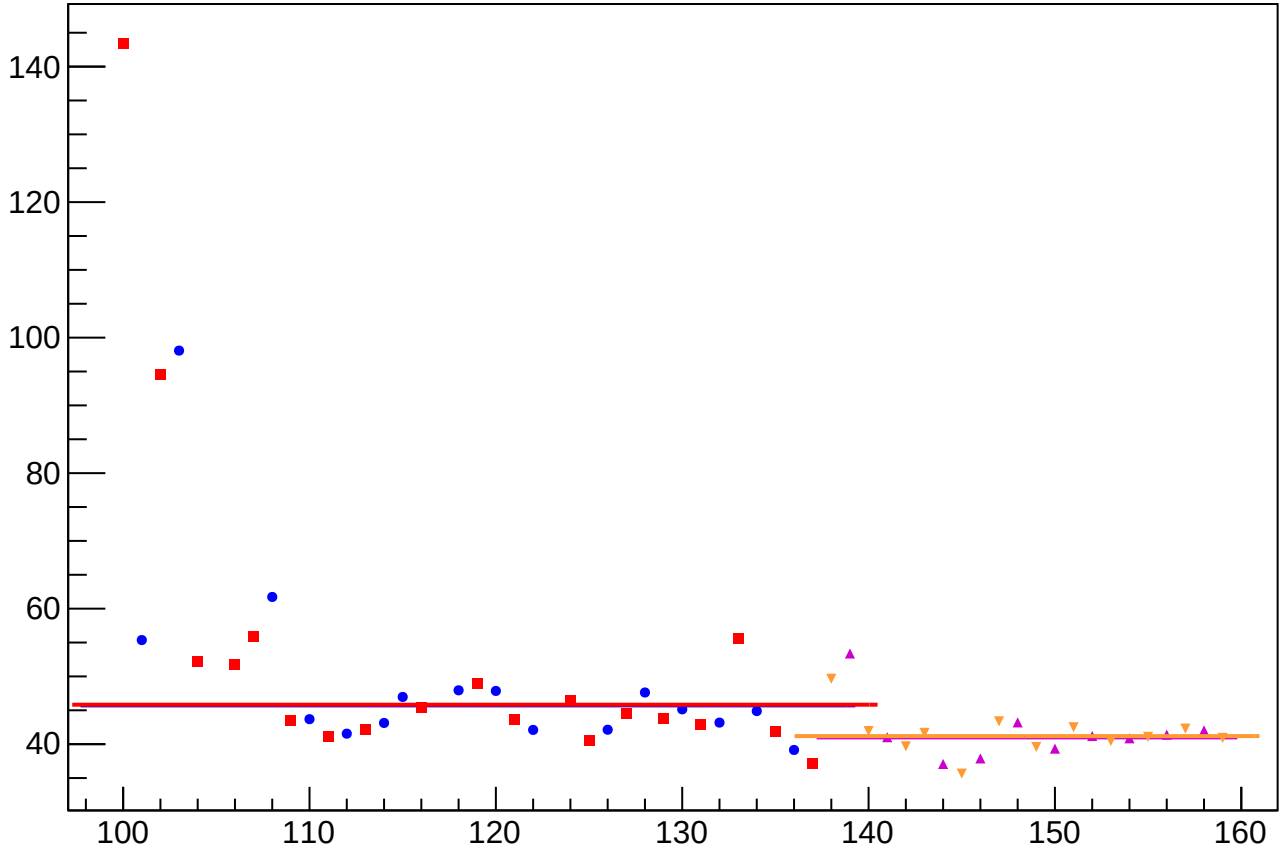
Left In: 31.294+/-13.974 χ^2/NDF:10.9/9

+ sign -16.071+/-10.640 χ^2/NDF: 53.7/27

All: -3.782+/-7.607 χ^2/NDF: 91.8/56

- sign 9.070+/-10.880 χ^2/NDF: 35.4/28

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

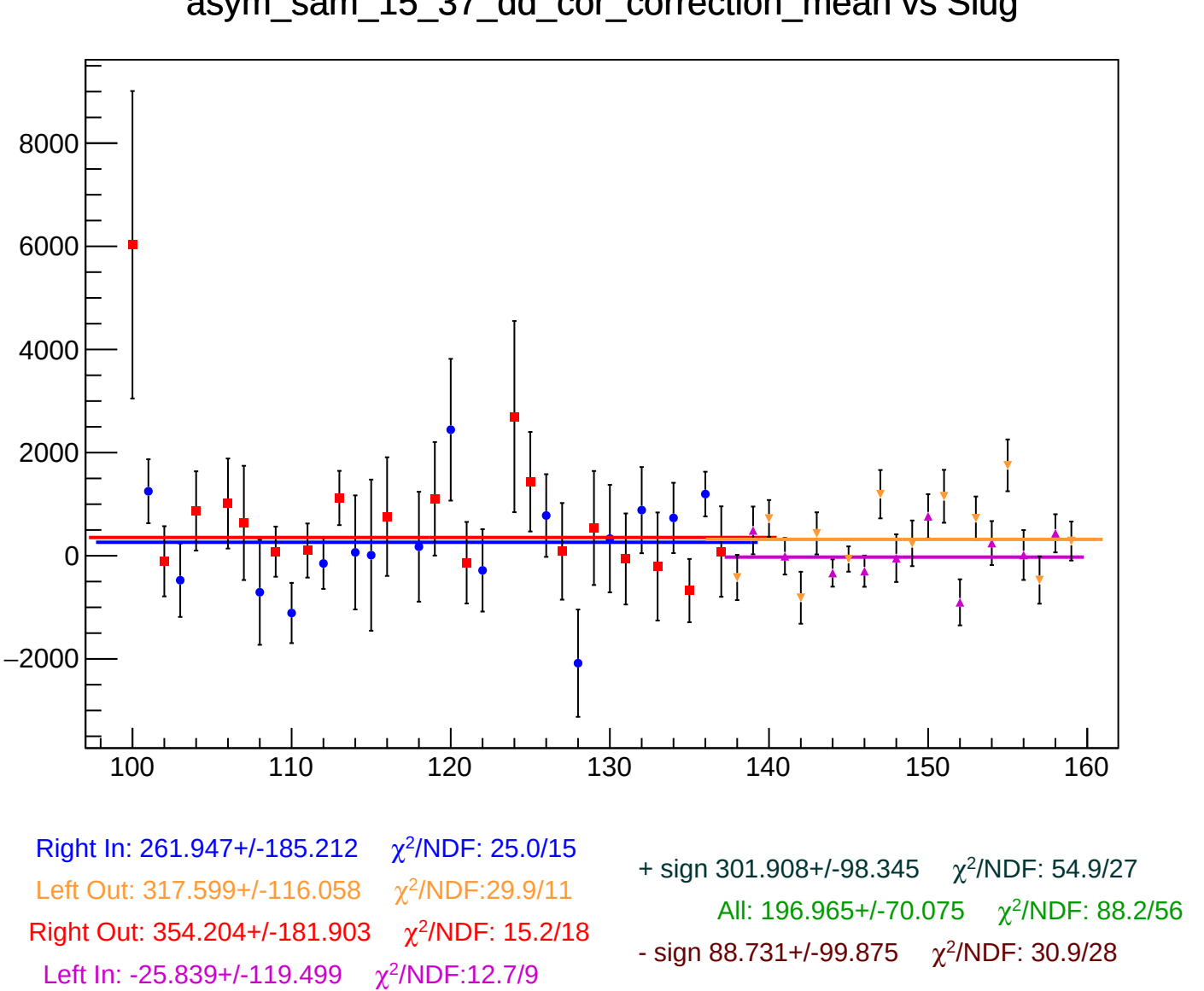
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

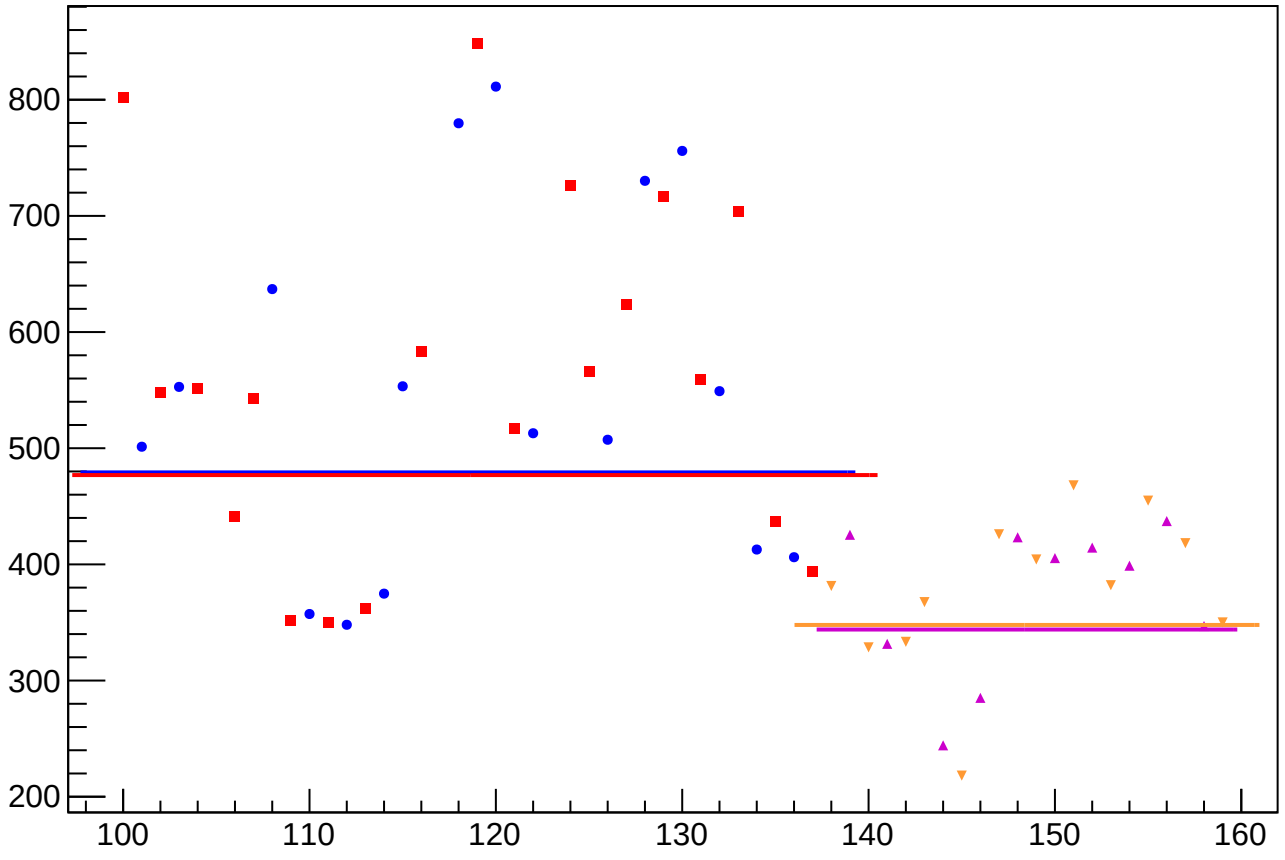
Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

+ sign 42.872+/-0.008 χ^2/NDF: 681150.9/27

All: 42.886+/-0.005 χ^2/NDF: 1444958.8/56

- sign 42.900+/-0.008 χ^2/NDF: 763801.0/28


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: -25.839+/-119.499 χ²/NDF:12.7/9
+ sign 301.908+/-98.345 χ²/NDF: 54.9/27
All: 196.965+/-70.075 χ²/NDF: 88.2/56
- sign 88.731+/-99.875 χ²/NDF: 30.9/28



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

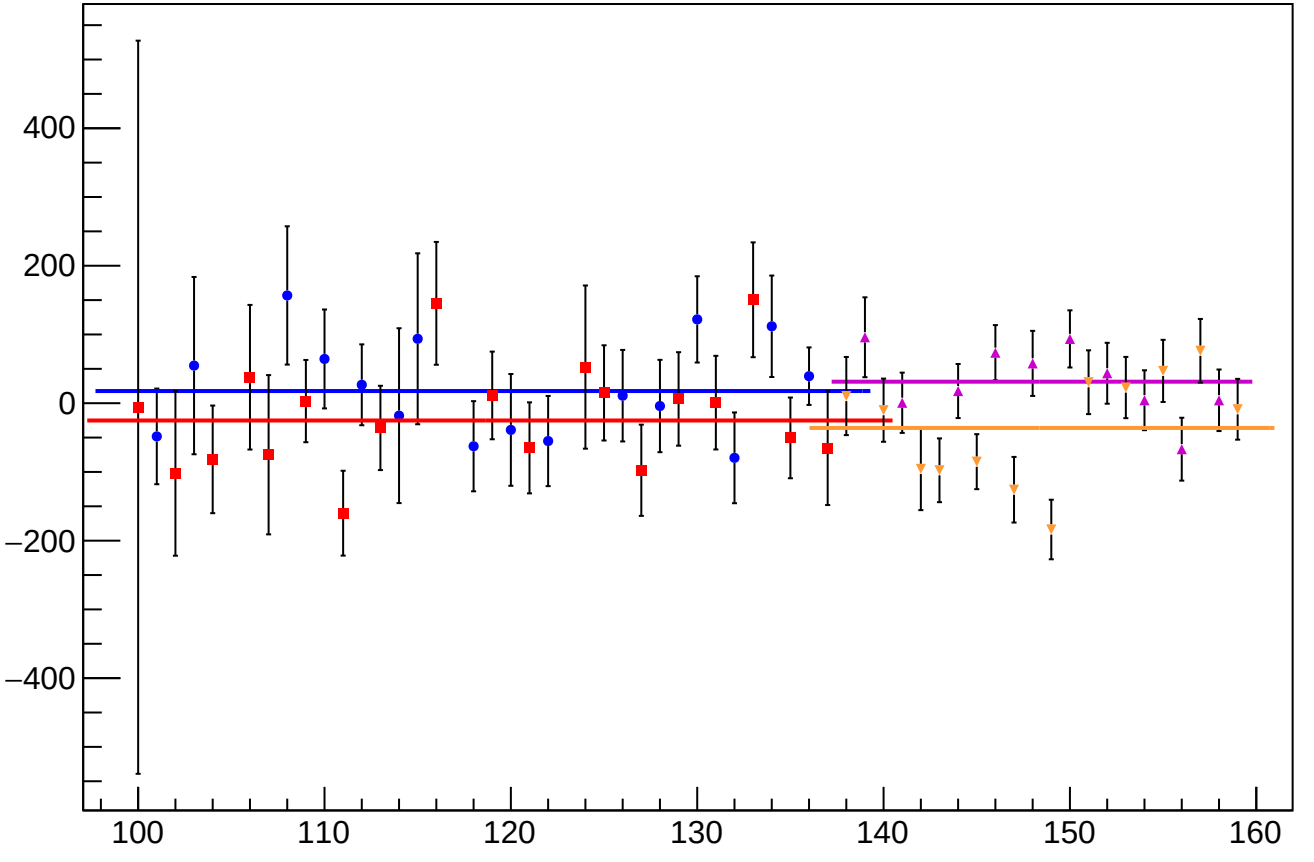
Left In: 343.921+/-0.084 χ^2/NDF:681419.0/9

+ sign 384.890+/-0.070 χ^2/NDF: 2605626.8/27

All: 384.456+/-0.050 χ^2/NDF: 5037440.0/56

- sign 384.008+/-0.071 χ^2/NDF: 2431733.9/28

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

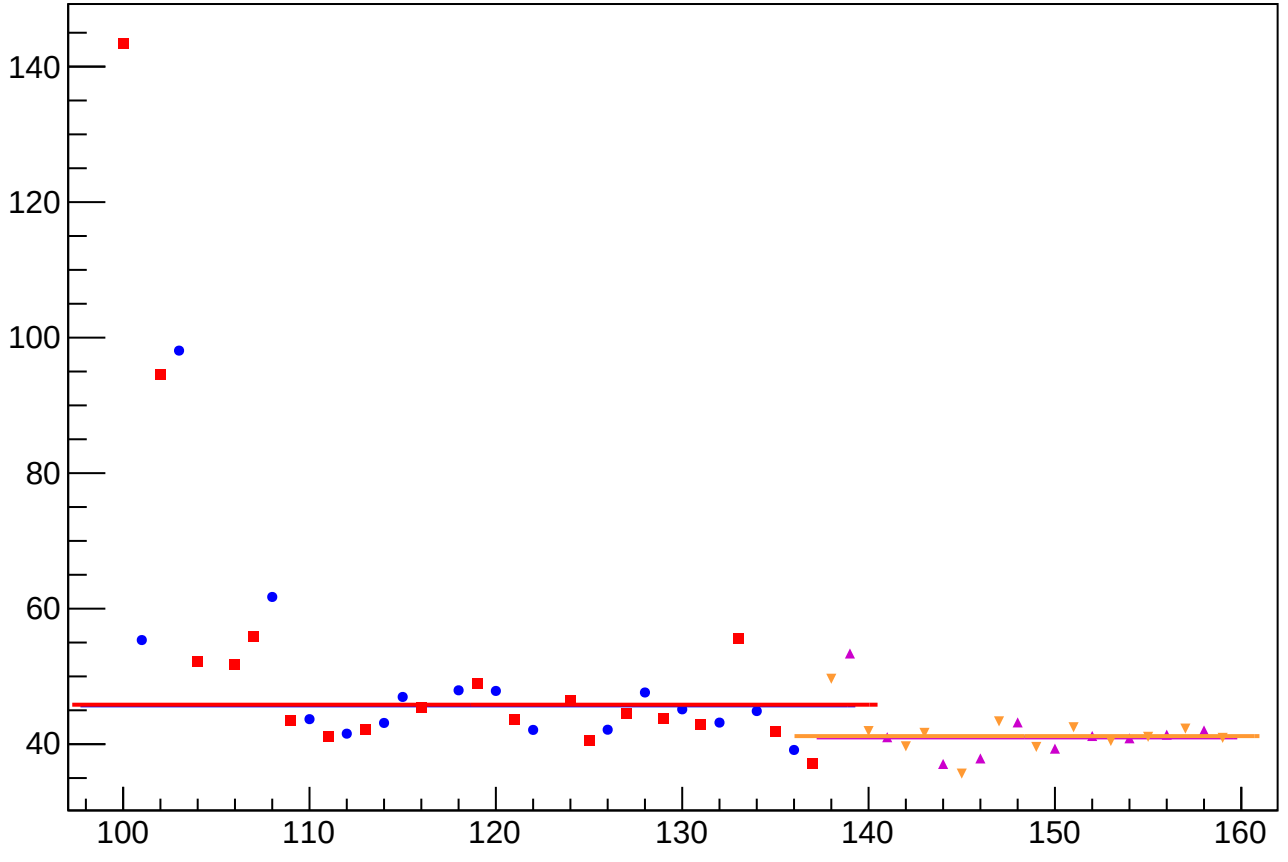
Left In: 31.294+/-13.974 χ^2/NDF:10.9/9

+ sign -16.071+/-10.640 χ^2/NDF: 53.7/27

All: -3.782+/-7.607 χ^2/NDF: 91.8/56

- sign 9.070+/-10.880 χ^2/NDF: 35.4/28

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

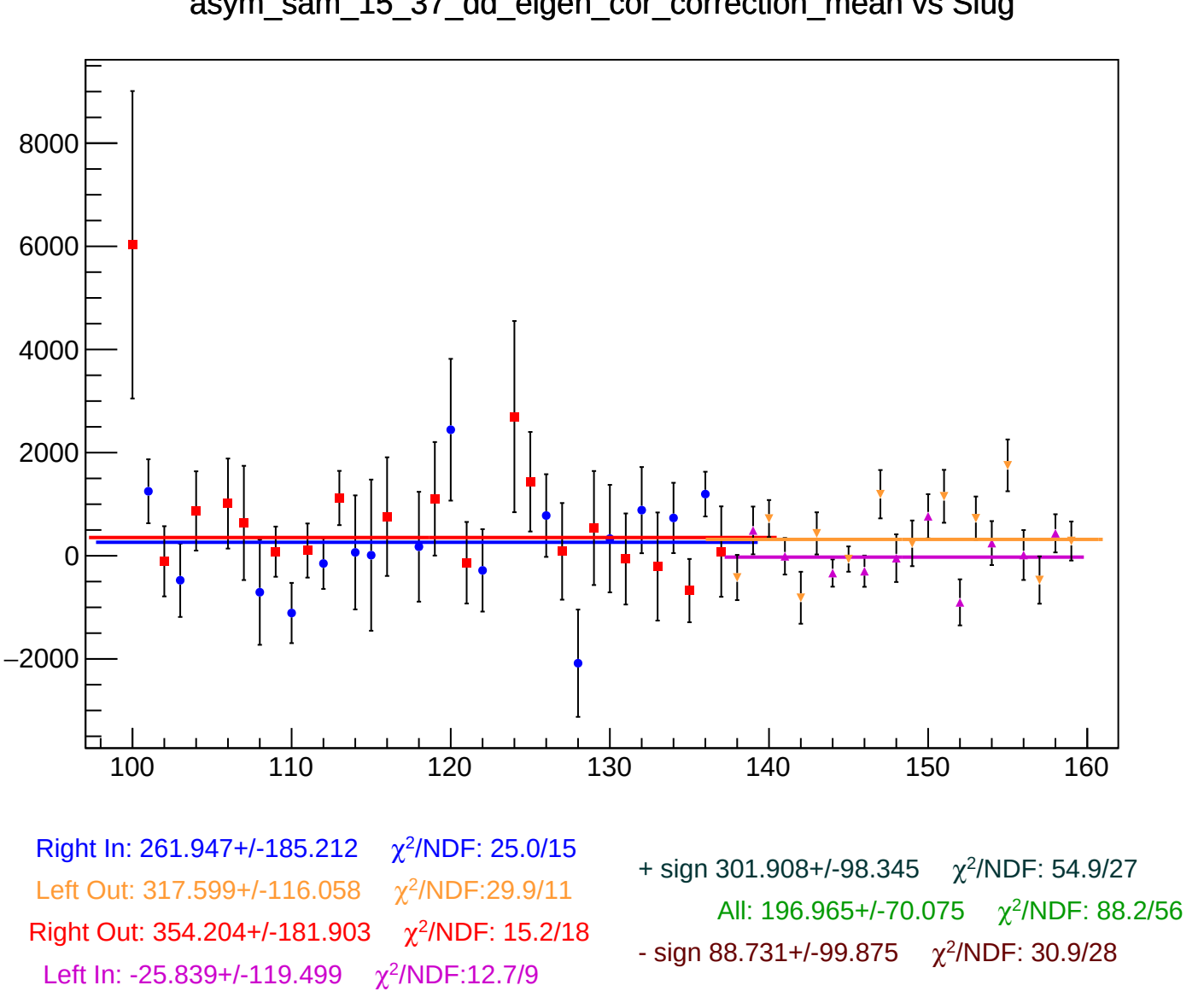
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

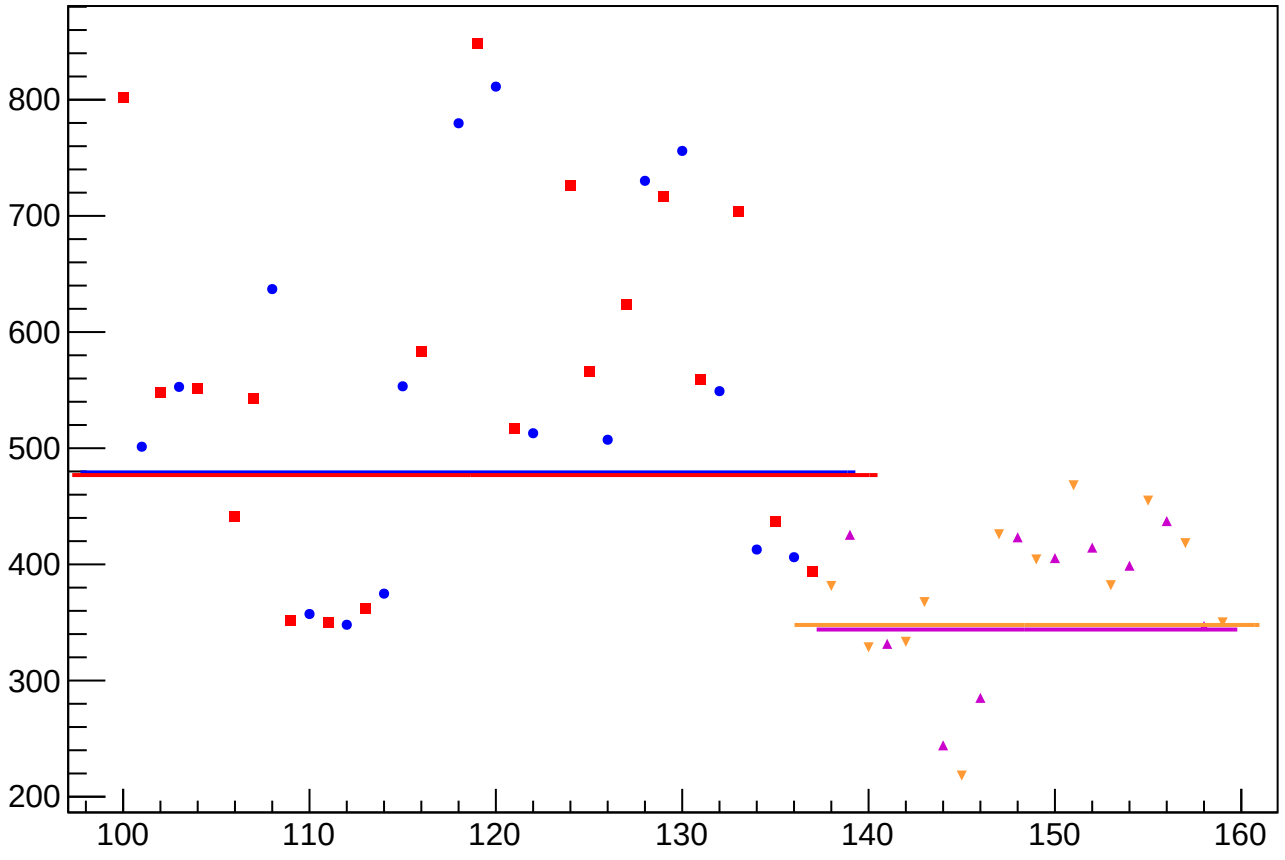
Left In: 41.000+/-0.010 χ^2/NDF:131433.5/9

+ sign 42.872+/-0.008 χ^2/NDF: 681150.9/27

All: 42.886+/-0.005 χ^2/NDF: 1444958.8/56

- sign 42.900+/-0.008 χ^2/NDF: 763801.0/28


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 317.599+/-116.058 χ²/NDF:29.9/11
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -25.839+/-119.499 χ²/NDF:12.7/9
+ sign 301.908+/-98.345 χ²/NDF: 54.9/27
All: 196.965+/-70.075 χ²/NDF: 88.2/56
- sign 88.731+/-99.875 χ²/NDF: 30.9/28



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

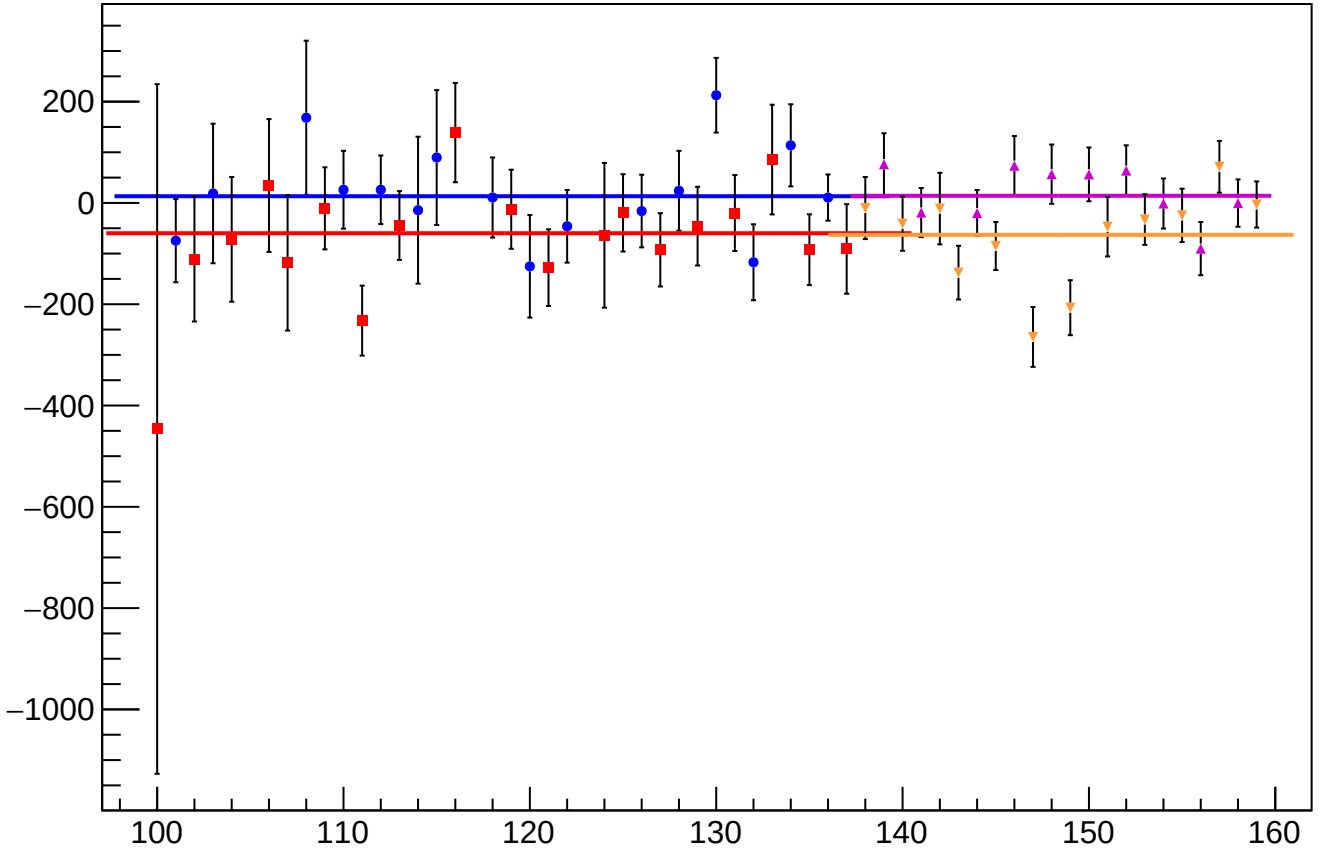
Left In: 343.921+/-0.084 χ^2/NDF:681419.0/9

+ sign 384.890+/-0.070 χ^2/NDF: 2605626.8/27

All: 384.456+/-0.050 χ^2/NDF: 5037440.0/56

- sign 384.008+/-0.071 χ^2/NDF: 2431733.9/28

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

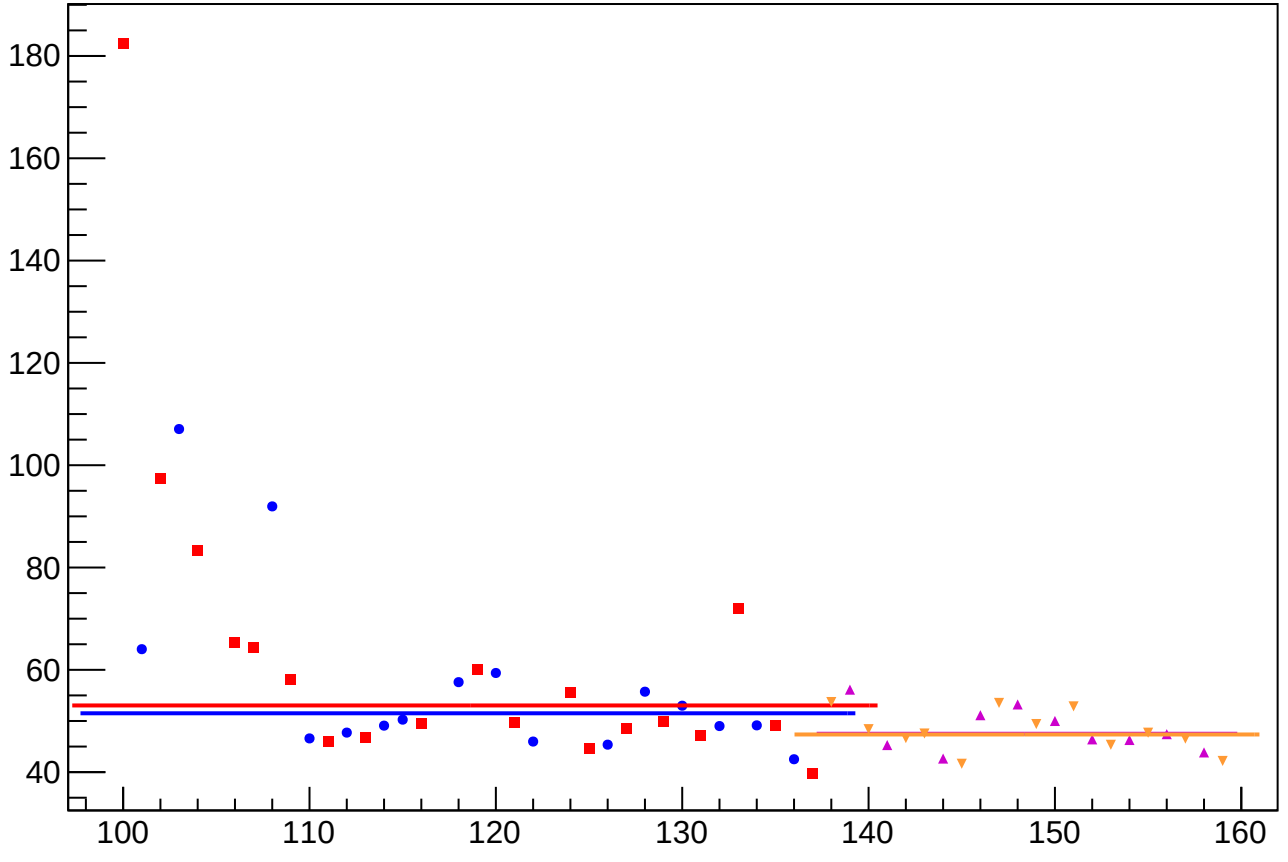
Left In: 14.136+/-16.340 χ^2/NDF:9.4/9

+ sign -34.085+/-12.217 χ^2/NDF: 58.3/27

All: -24.947+/-8.809 χ^2/NDF: 93.1/56

- sign -15.053+/-12.712 χ^2/NDF: 33.6/28

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

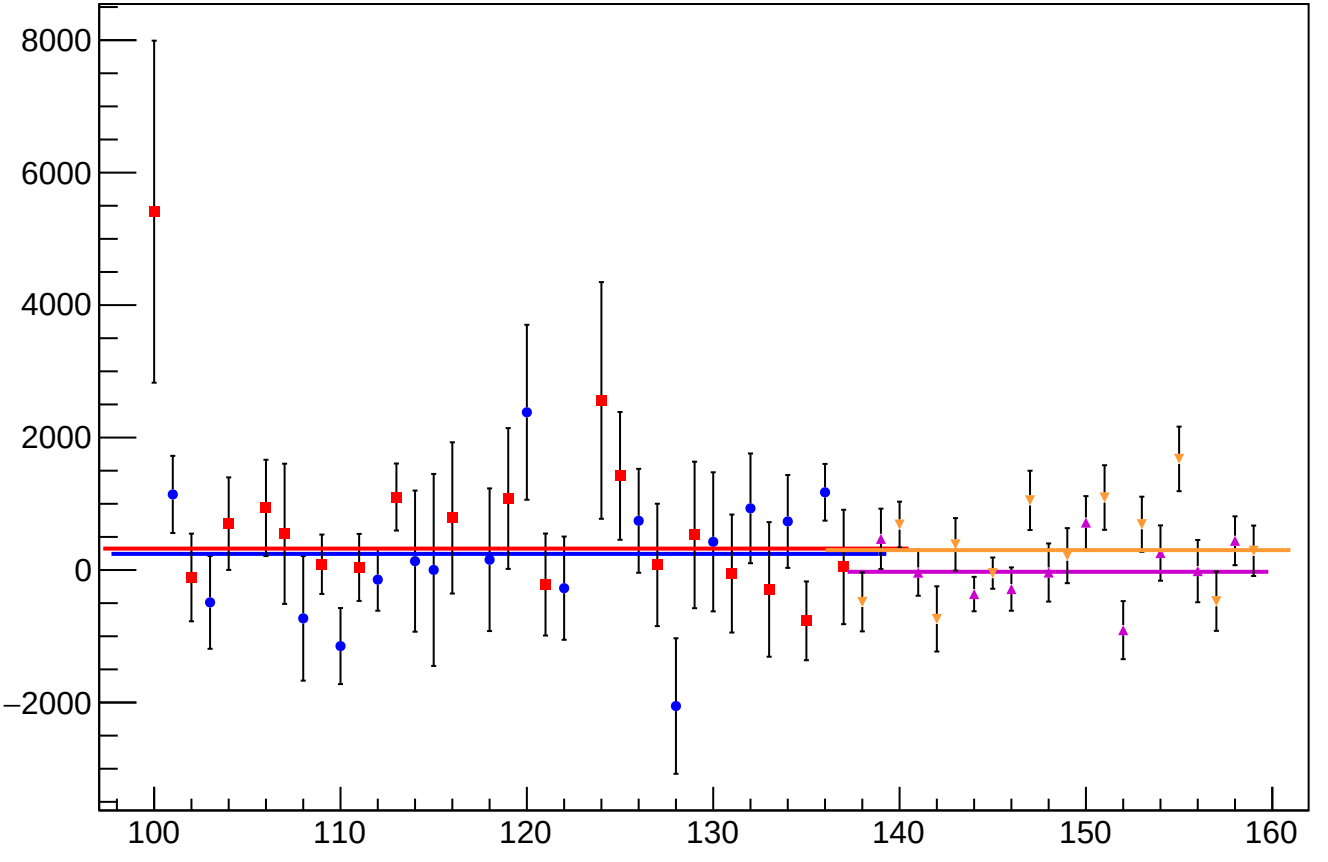
Left In: 47.503+/-0.012 χ^2/NDF:112373.9/9

+ sign 48.932+/-0.009 χ^2/NDF: 844582.7/27

All: 49.295+/-0.006 χ^2/NDF: 1764094.1/56

- sign 49.688+/-0.009 χ^2/NDF: 915841.9/28

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

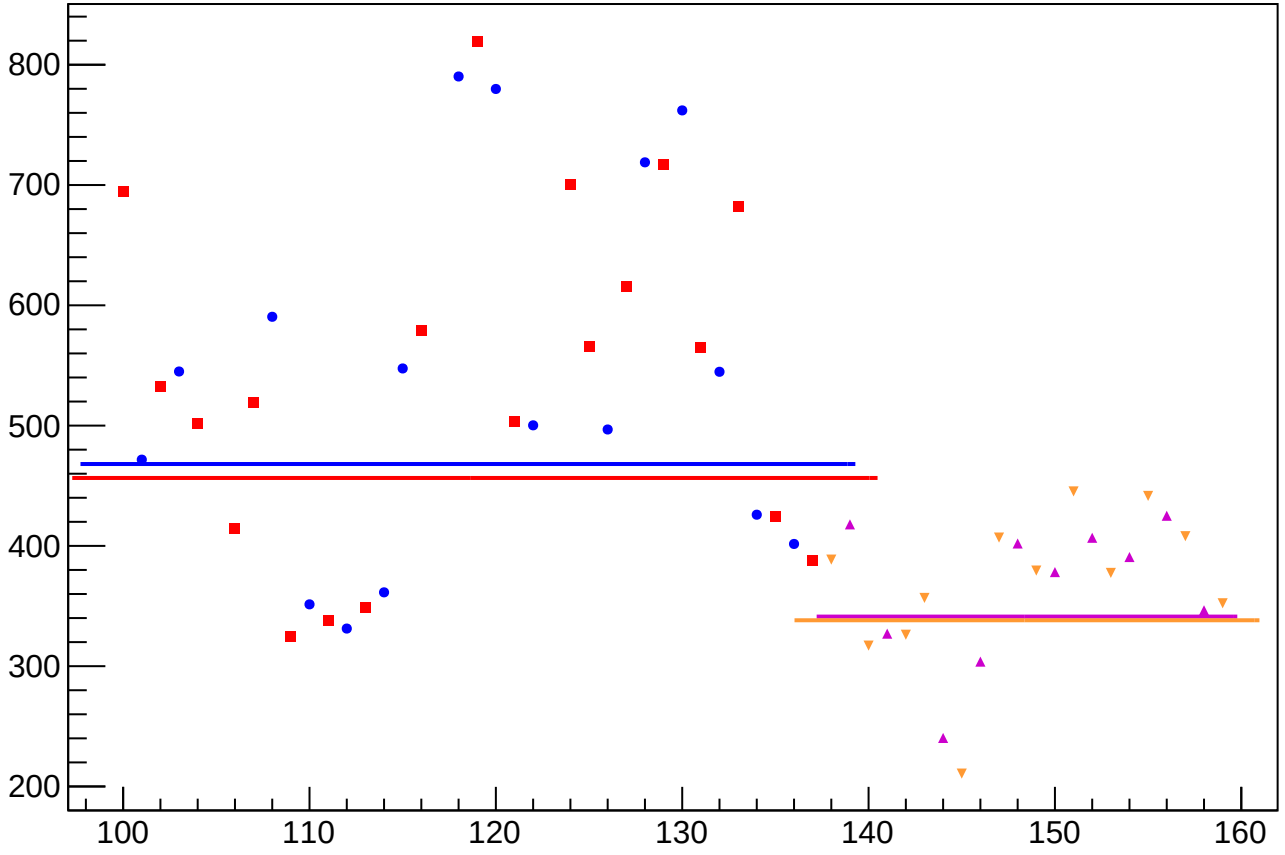
Left In: -26.707+/-118.308 χ^2/NDF:13.1/9

+ sign 284.763+/-95.652 χ^2/NDF: 54.0/27

All: 186.761+/-68.373 χ^2/NDF: 88.5/56

- sign 84.372+/-97.769 χ^2/NDF: 32.3/28

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

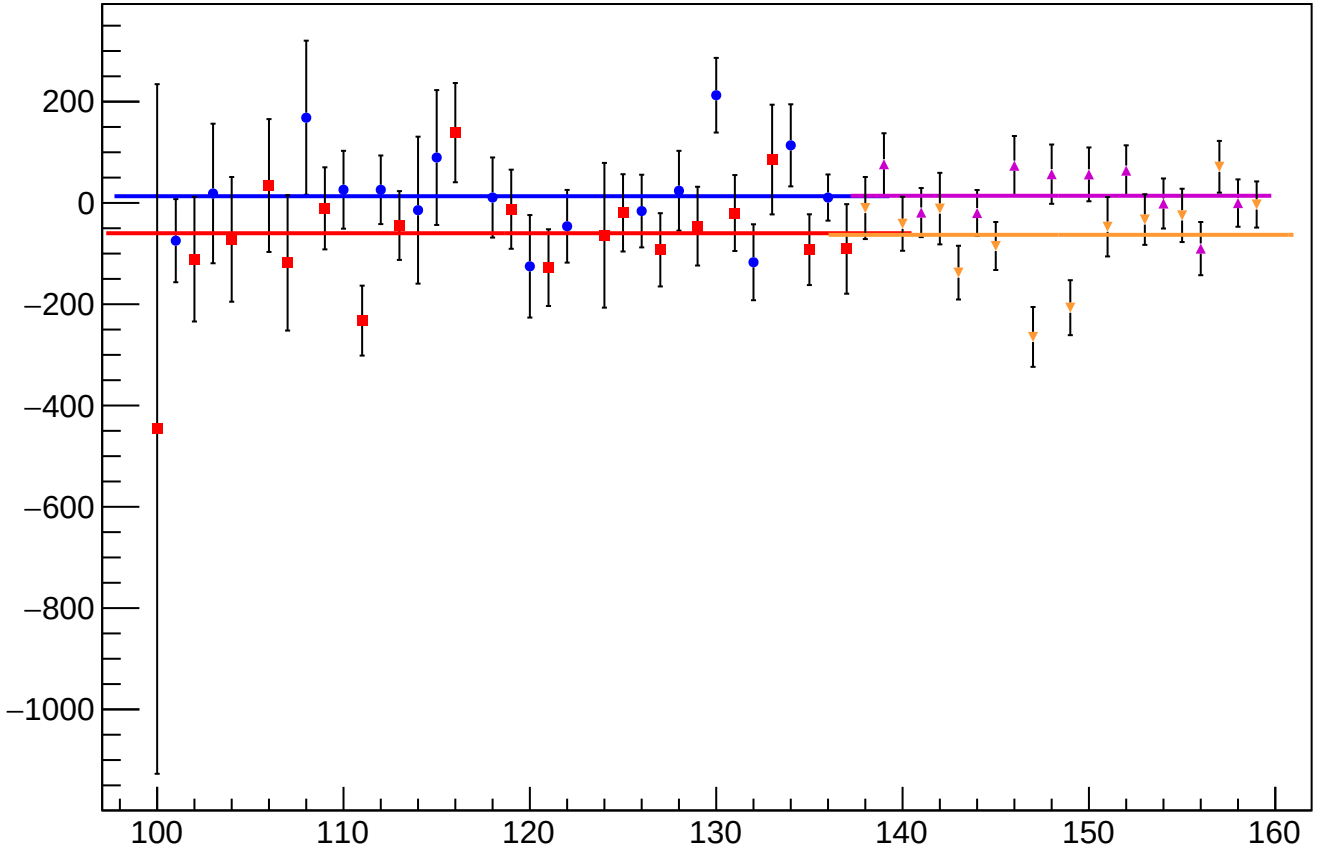
Left In: 341.226+/-0.084 χ^2/NDF:579907.3/9

+ sign 374.494+/-0.068 χ^2/NDF: 2671861.8/27

All: 376.094+/-0.048 χ^2/NDF: 4937173.4/56

- sign 377.765+/-0.069 χ^2/NDF: 2264167.7/28

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

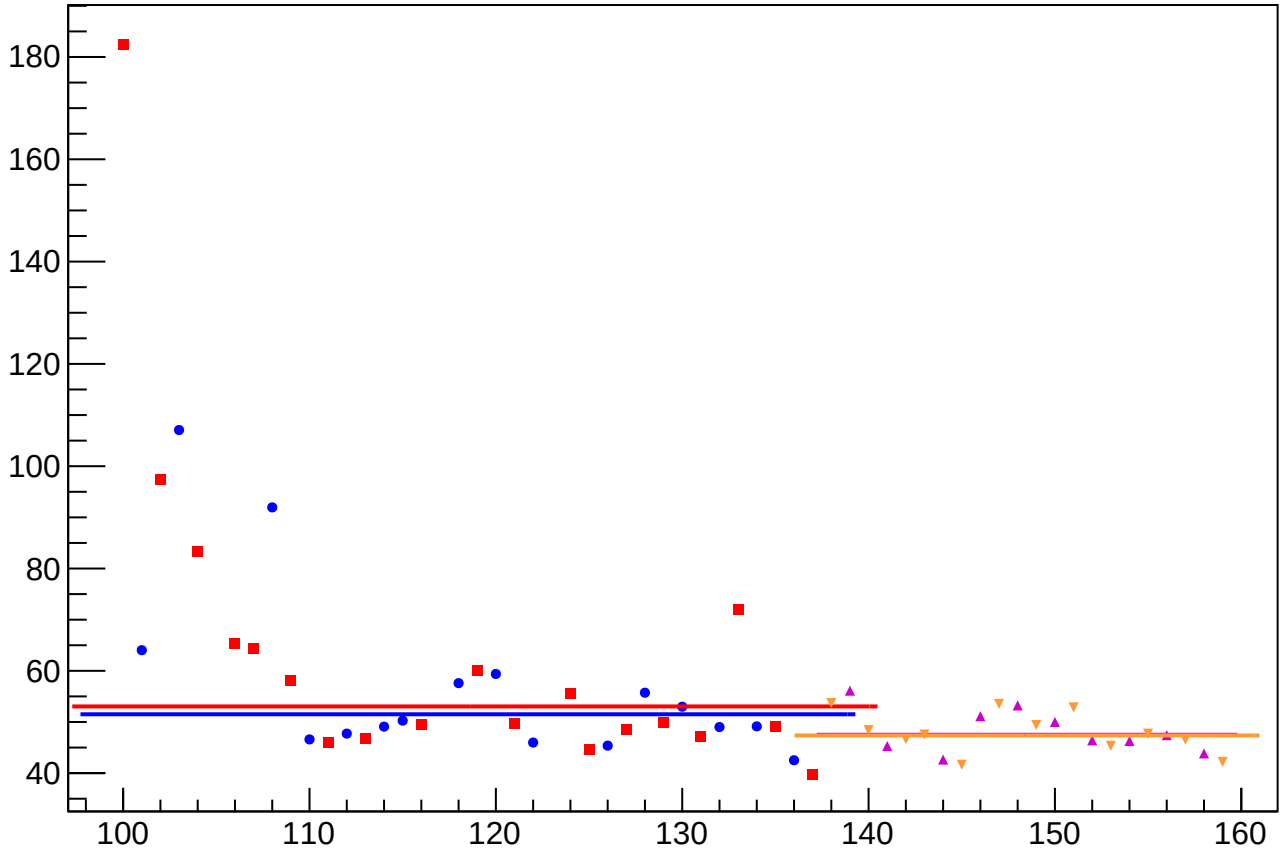
Left In: 14.136+/-16.340 χ^2/NDF:9.4/9

+ sign -34.085+/-12.217 χ^2/NDF: 58.3/27

All: -24.947+/-8.809 χ^2/NDF: 93.1/56

- sign -15.053+/-12.712 χ^2/NDF: 33.6/28

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

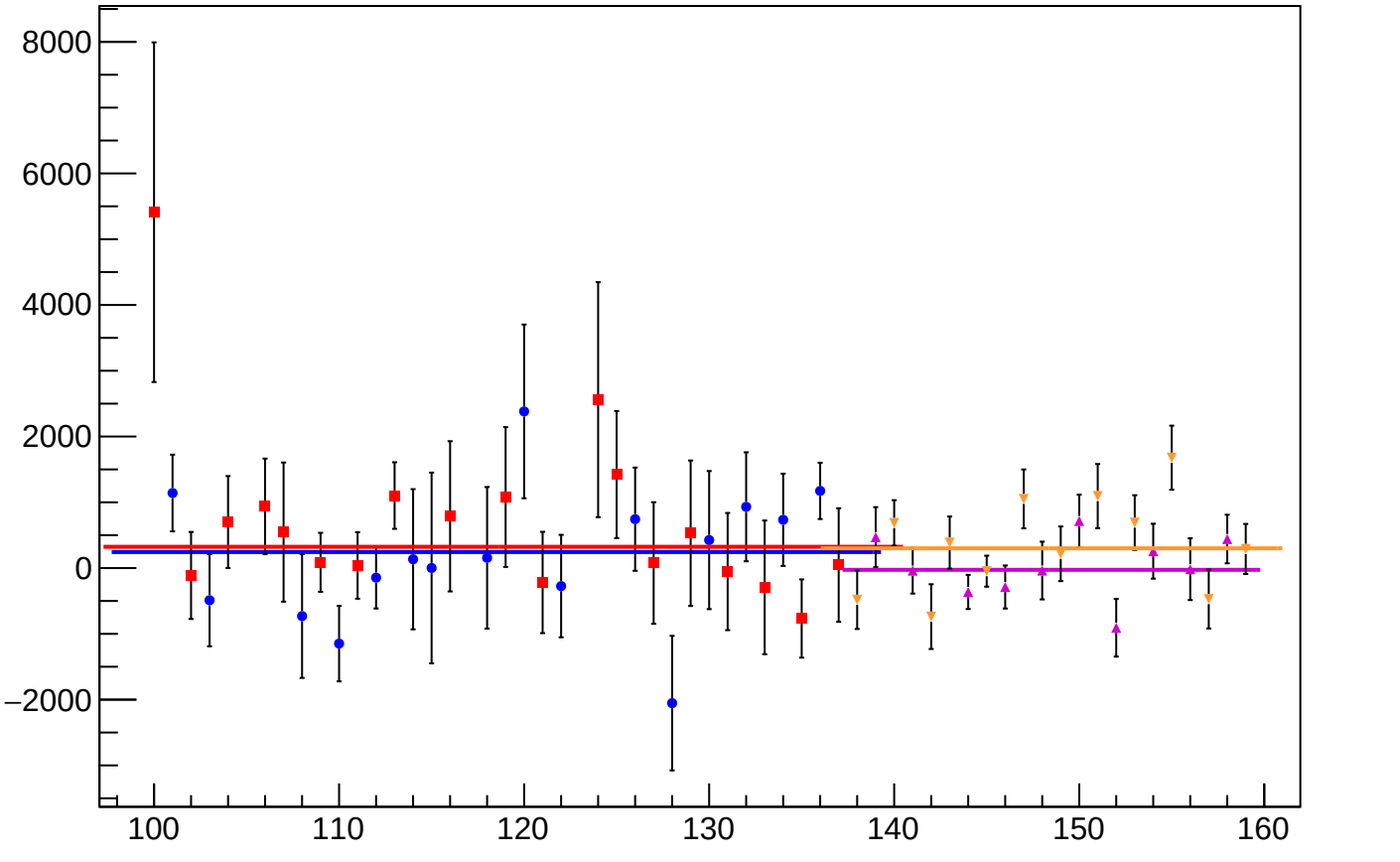
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 47.503+/-0.012 χ^2/NDF:112372.8/9

+ sign 48.933+/-0.009 χ^2/NDF: 844586.8/27

All: 49.295+/-0.006 χ^2/NDF: 1764105.8/56

- sign 49.688+/-0.009 χ^2/NDF: 915849.4/28



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 300.657+/-112.702 χ^2/NDF:28.4/11

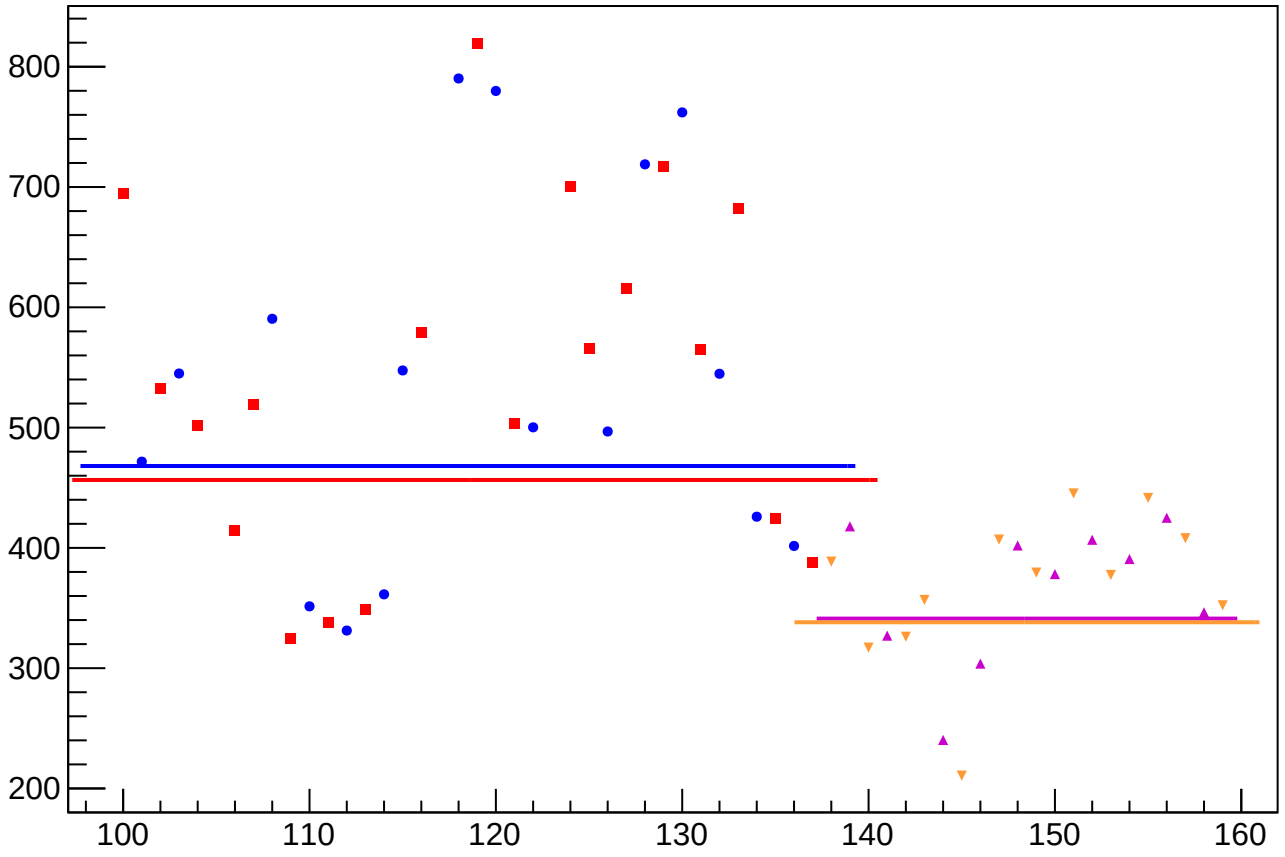
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -26.707+/-118.308 χ^2/NDF:13.1/9

+ sign 284.763+/-95.652 χ^2/NDF: 54.0/27

All: 186.761+/-68.373 χ^2/NDF: 88.5/56

- sign 84.372+/-97.769 χ^2/NDF: 32.3/28



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

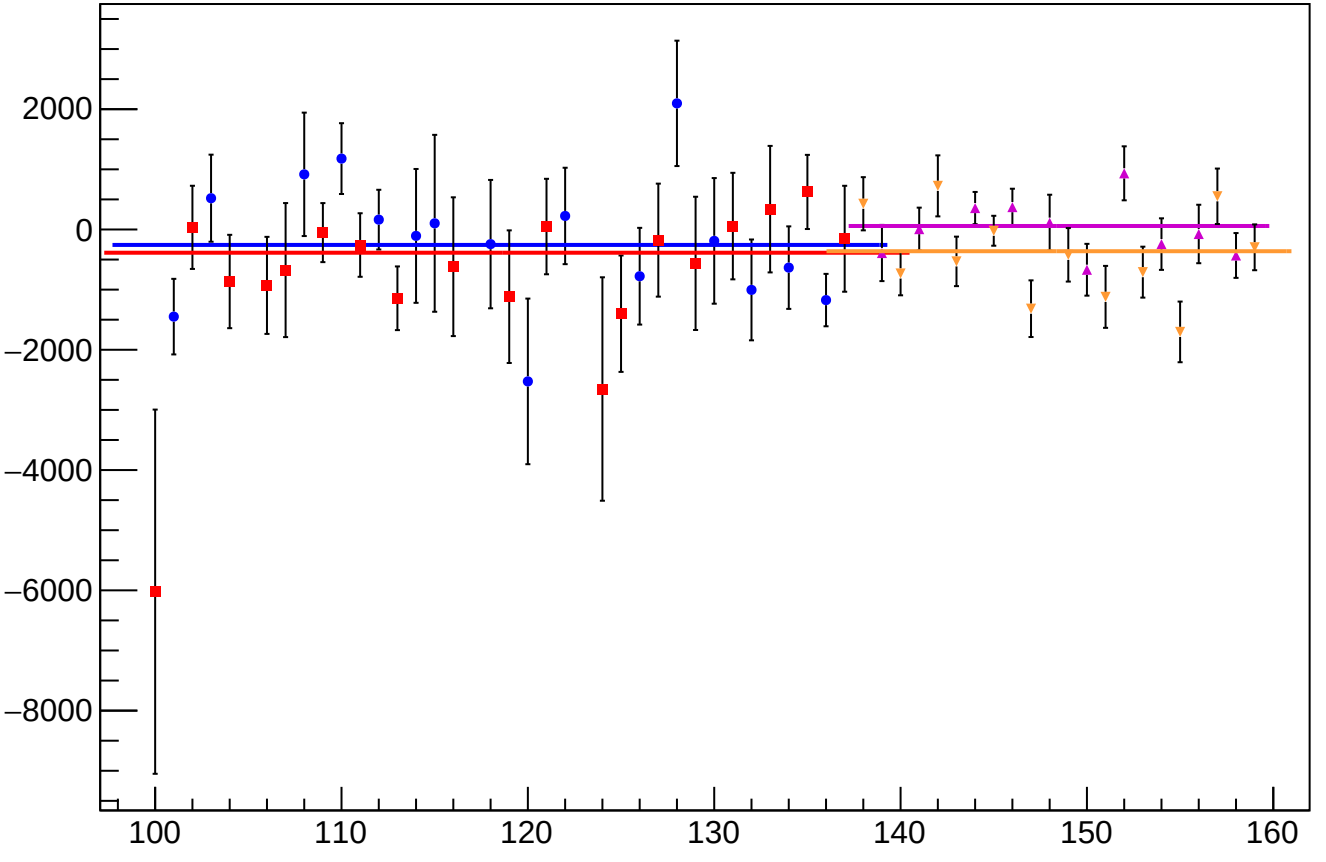
Left In: 341.226+/-0.084 χ^2/NDF:579909.0/9

+ sign 374.494+/-0.068 χ^2/NDF: 2671859.9/27

All: 376.094+/-0.048 χ^2/NDF: 4937161.7/56

- sign 377.765+/-0.069 χ^2/NDF: 2264157.9/28

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

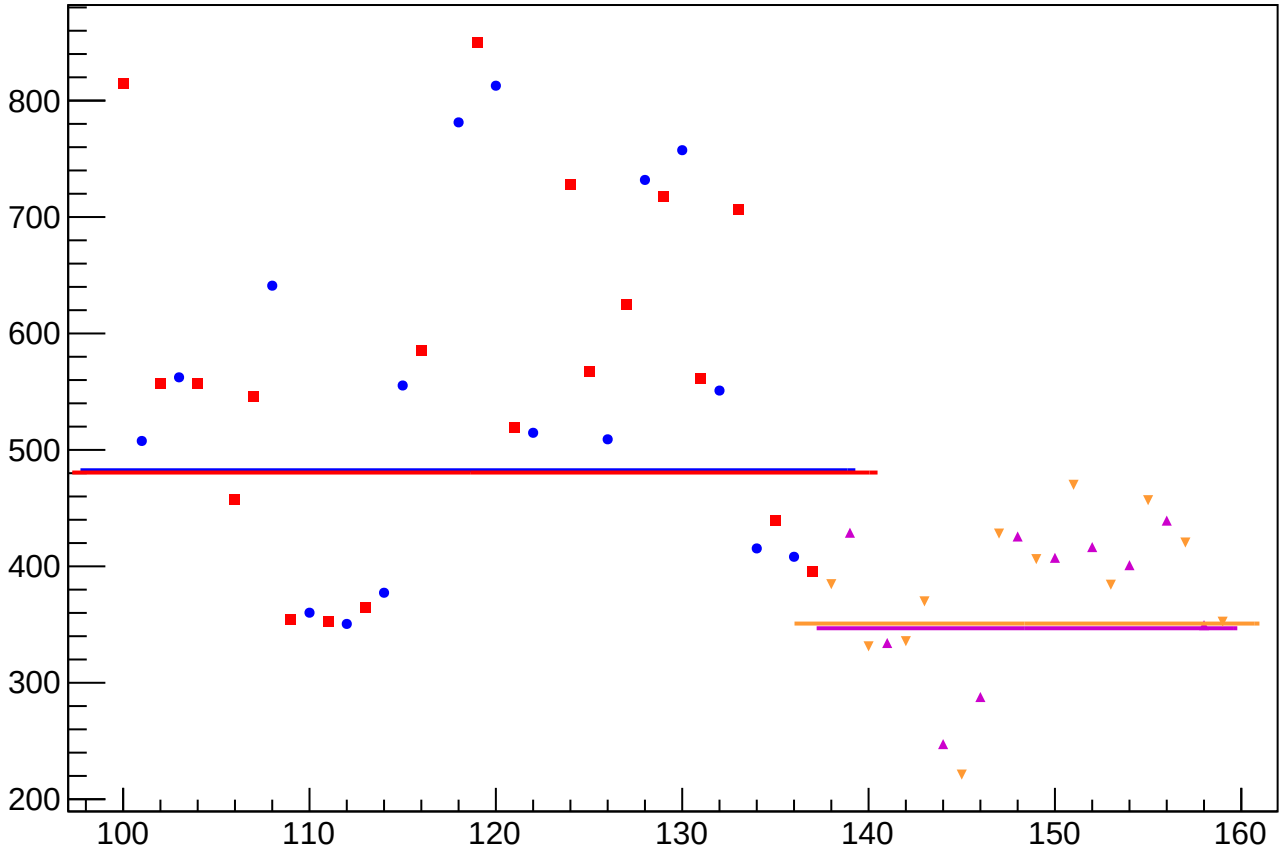
Left In: 58.084+/-120.434 χ^2/NDF:12.2/9

+ sign -331.820+/-99.085 χ^2/NDF: 56.0/27

All: -206.171+/-70.558 χ^2/NDF: 89.9/56

- sign -76.916+/-100.497 χ^2/NDF: 30.6/28

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

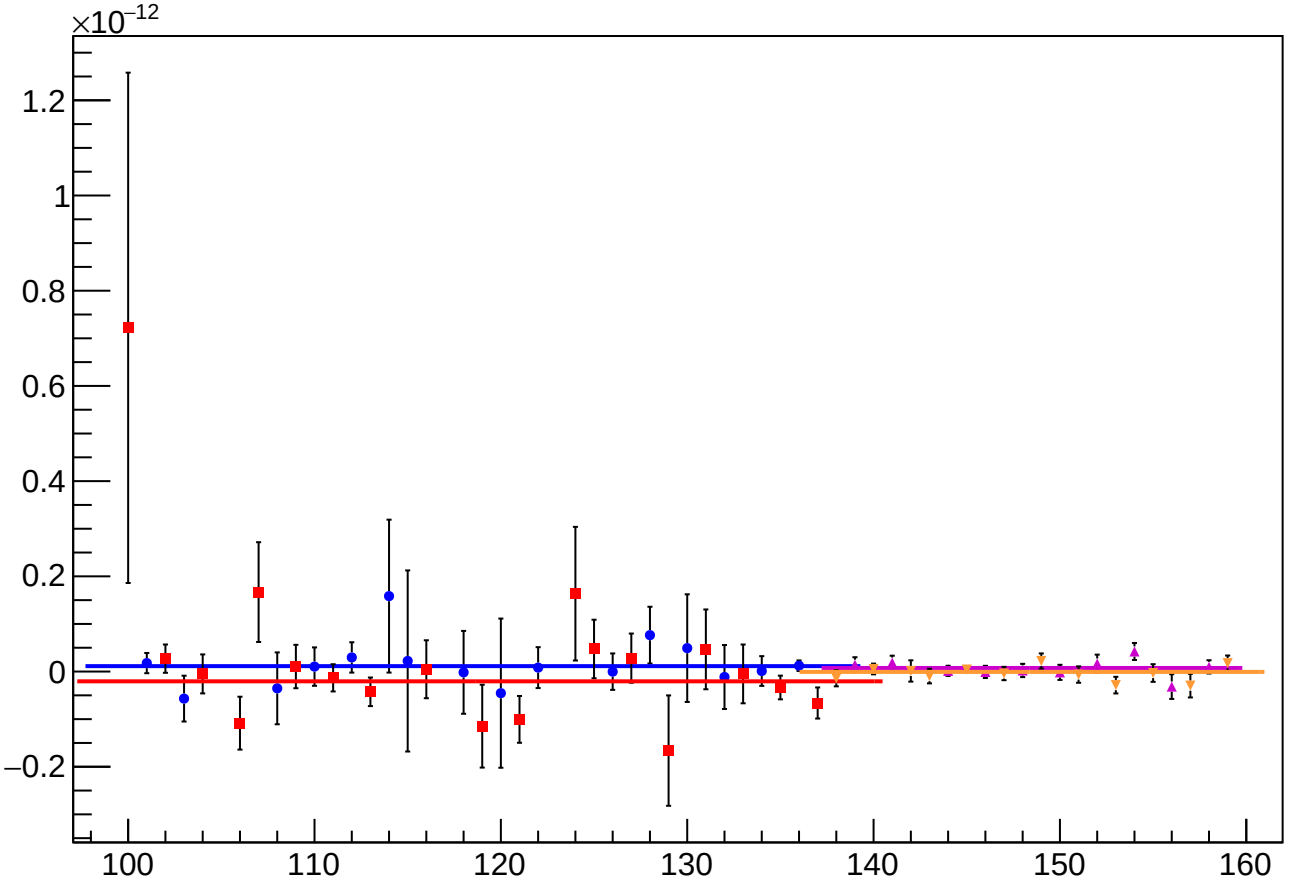
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 346.824+/-0.085 χ^2/NDF:664463.1/9

+ sign 388.032+/-0.070 χ^2/NDF: 2567619.3/27

All: 387.739+/-0.050 χ^2/NDF: 4974859.2/56

- sign 387.438+/-0.071 χ^2/NDF: 2407204.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/11

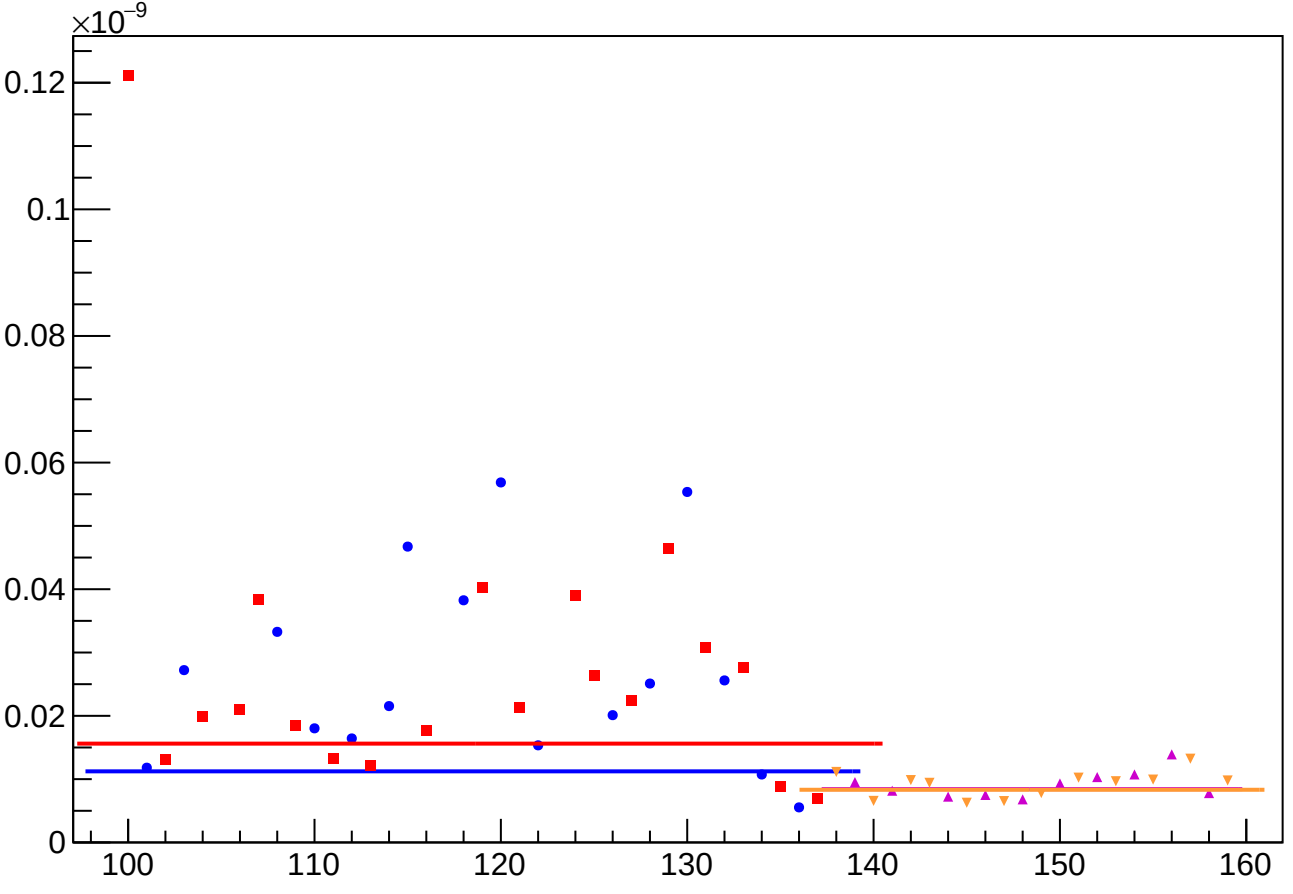
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/27

All: 0.000+/-0.000 χ^2/NDF: 54.4/56

- sign 0.000+/-0.000 χ^2/NDF: 38.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:393392.8/11

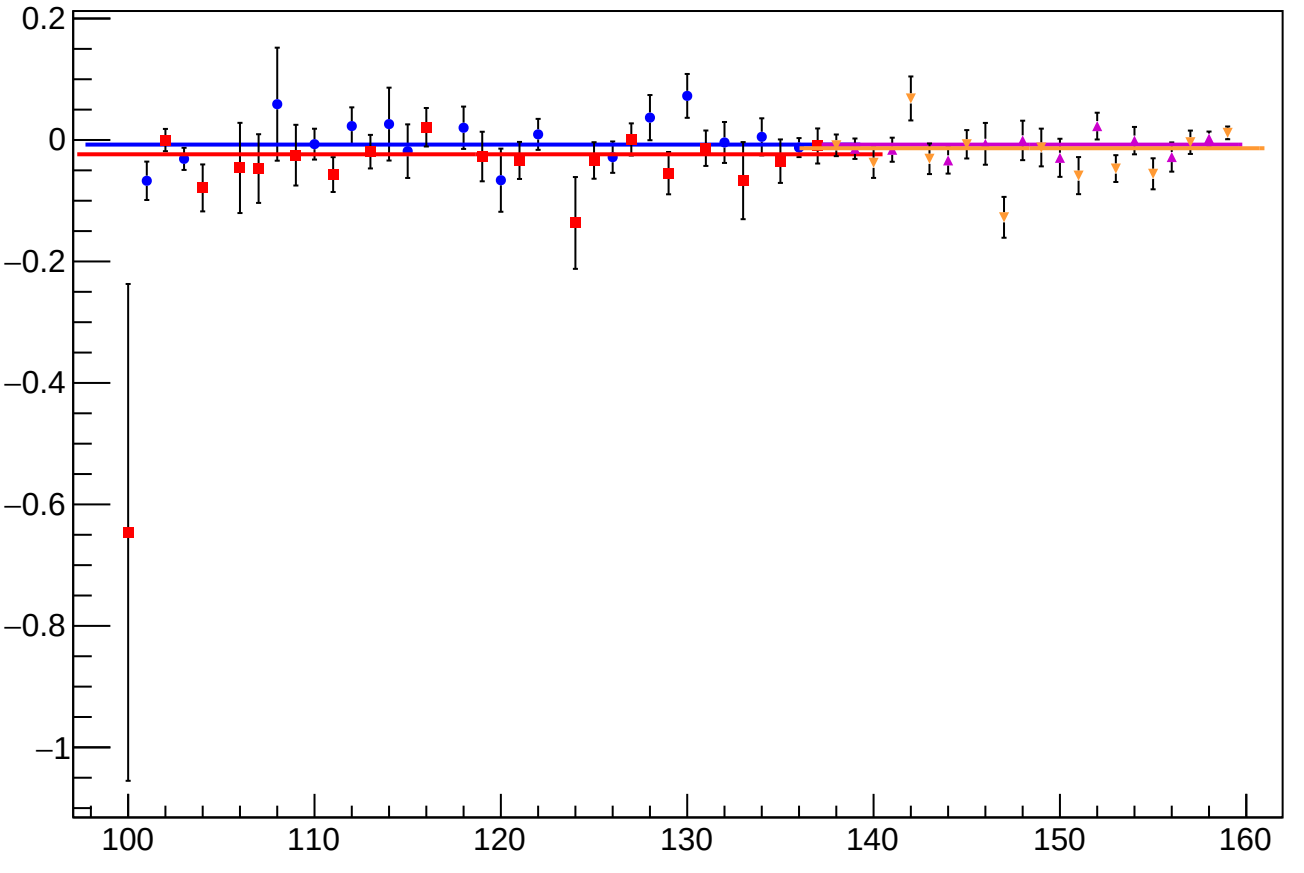
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:226616.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 2700438.6/27

All: 0.000+/-0.000 χ^2/NDF: 4950599.4/56

- sign 0.000+/-0.000 χ^2/NDF: 2222301.5/28



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

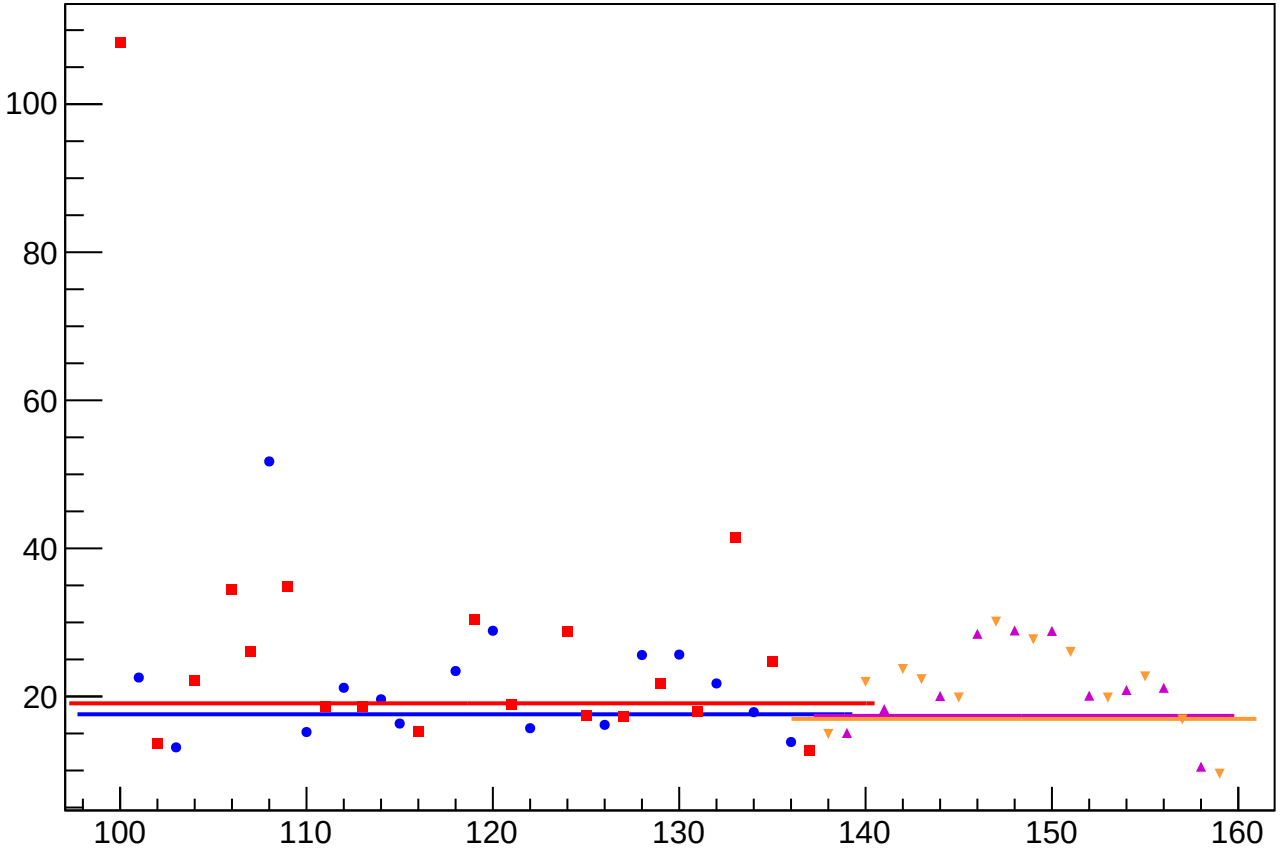
Left In: -0.008+/-0.006 χ^2/NDF:5.7/9

+ sign -0.011+/-0.005 χ^2/NDF: 48.5/27

All: -0.013+/-0.003 χ^2/NDF: 71.6/56

- sign -0.014+/-0.005 χ^2/NDF: 22.9/28

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.970+/-0.004 χ^2/NDF:2150900.9/11

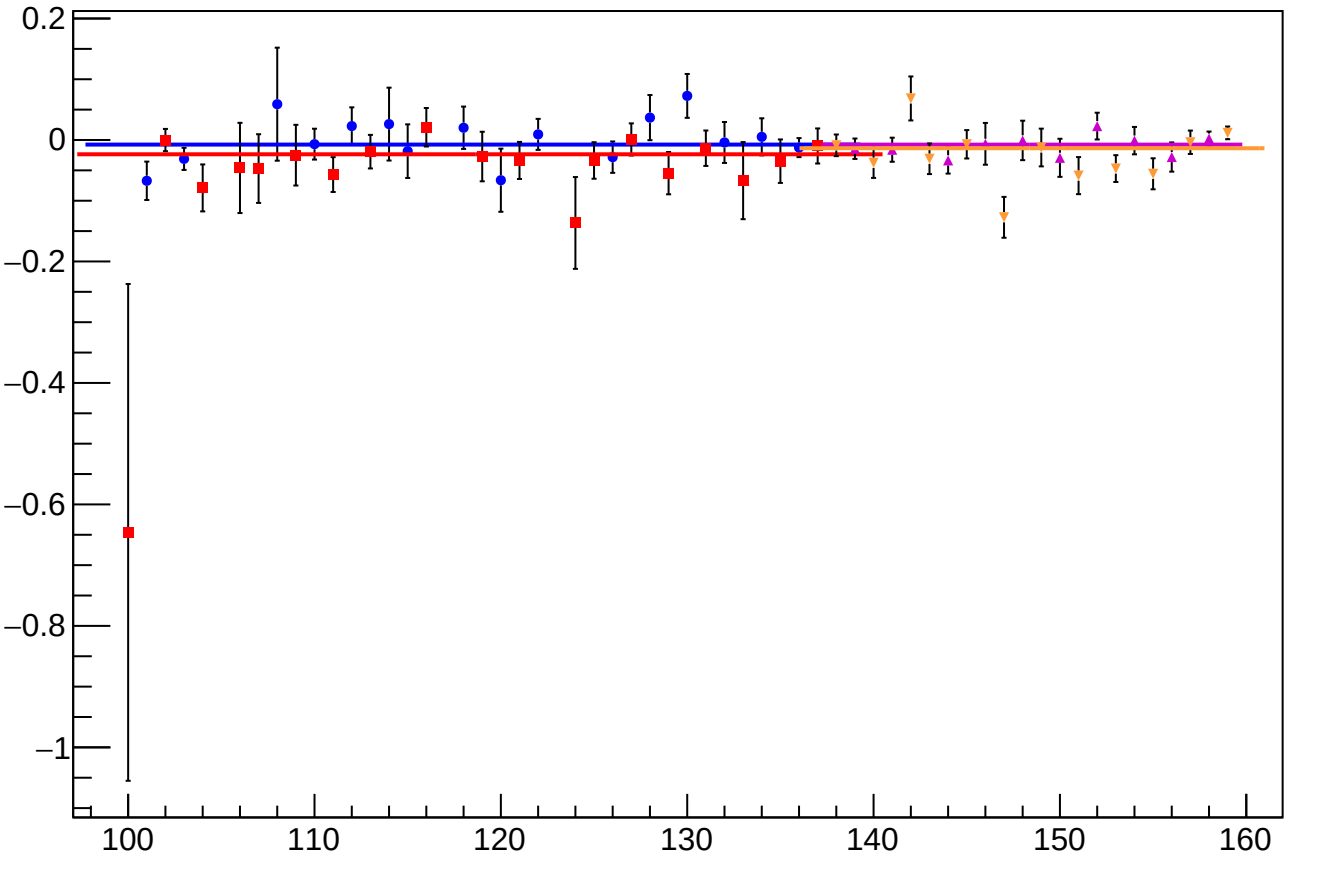
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.374+/-0.005 χ^2/NDF:1627503.5/9

+ sign 17.227+/-0.003 χ^2/NDF: 3152893.3/27

All: 17.619+/-0.002 χ^2/NDF: 6116032.5/56

- sign 18.067+/-0.003 χ^2/NDF: 2932389.0/28



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.006 χ^2/NDF:31.4/11

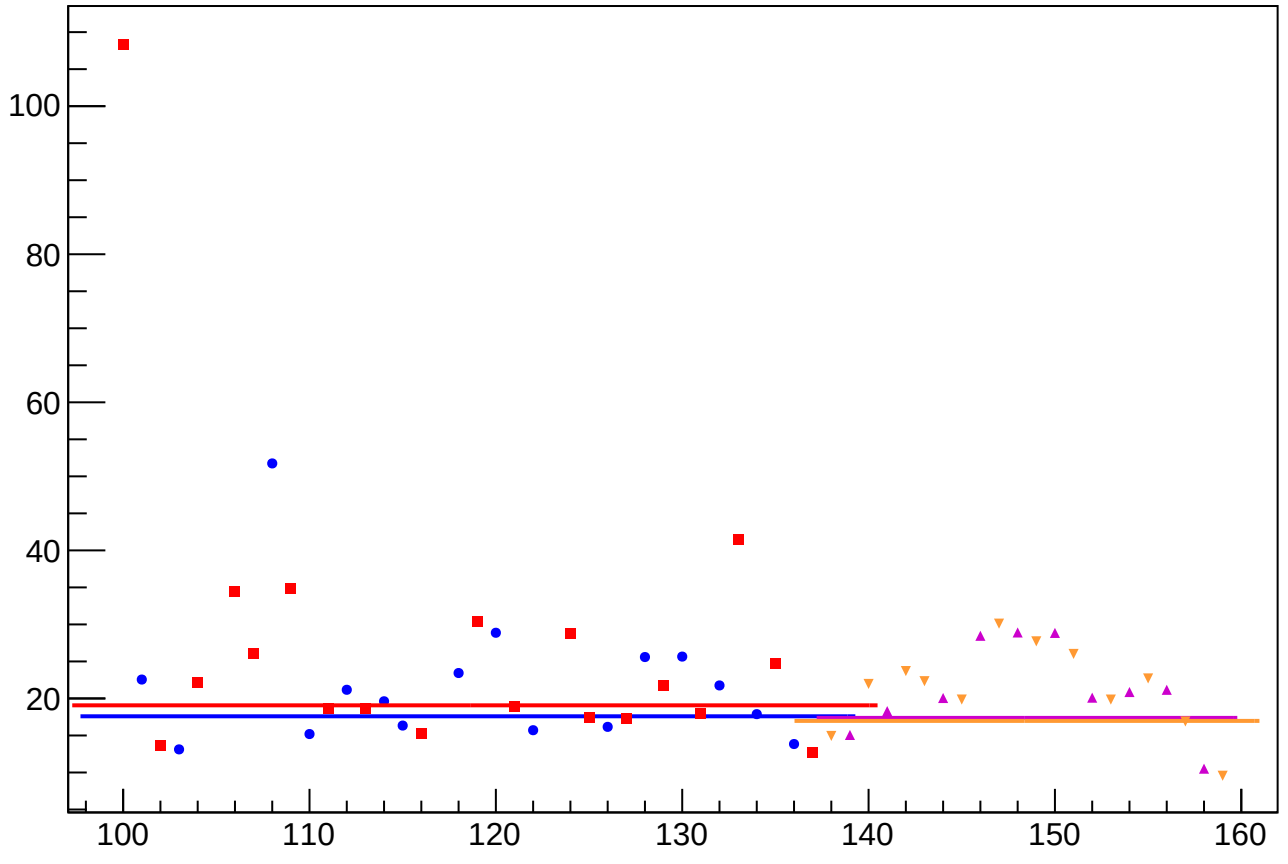
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.008+/-0.006 χ^2/NDF:5.7/9

+ sign -0.011+/-0.005 χ^2/NDF: 48.5/27

All: -0.013+/-0.003 χ^2/NDF: 71.6/56

- sign -0.014+/-0.005 χ^2/NDF: 22.9/28



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.970+/-0.004 χ^2/NDF:2150900.9/11

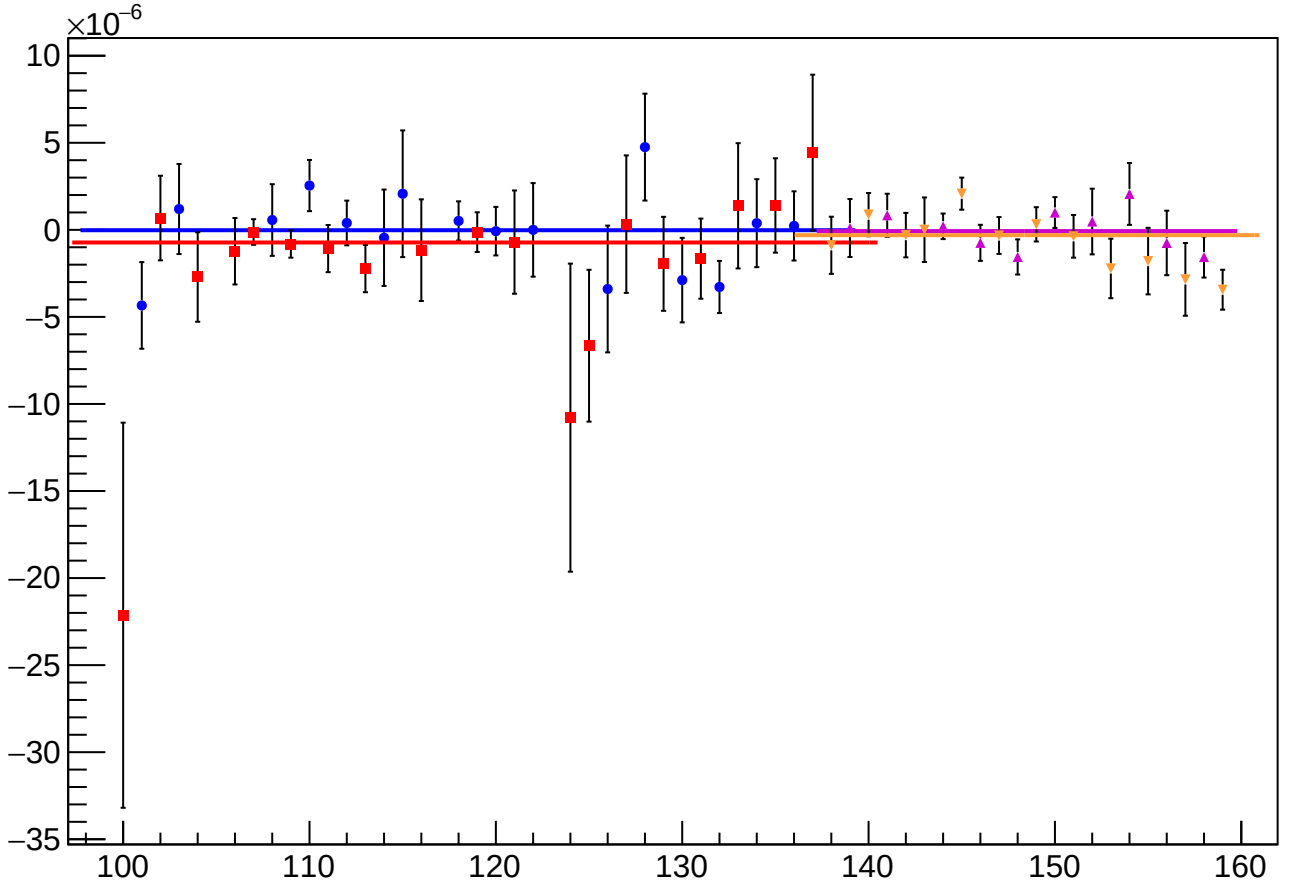
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 17.374+/-0.005 χ^2/NDF:1627503.5/9

+ sign 17.227+/-0.003 χ^2/NDF: 3152893.3/27

All: 17.619+/-0.002 χ^2/NDF: 6116032.5/56

- sign 18.067+/-0.003 χ^2/NDF: 2932389.0/28



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

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/11

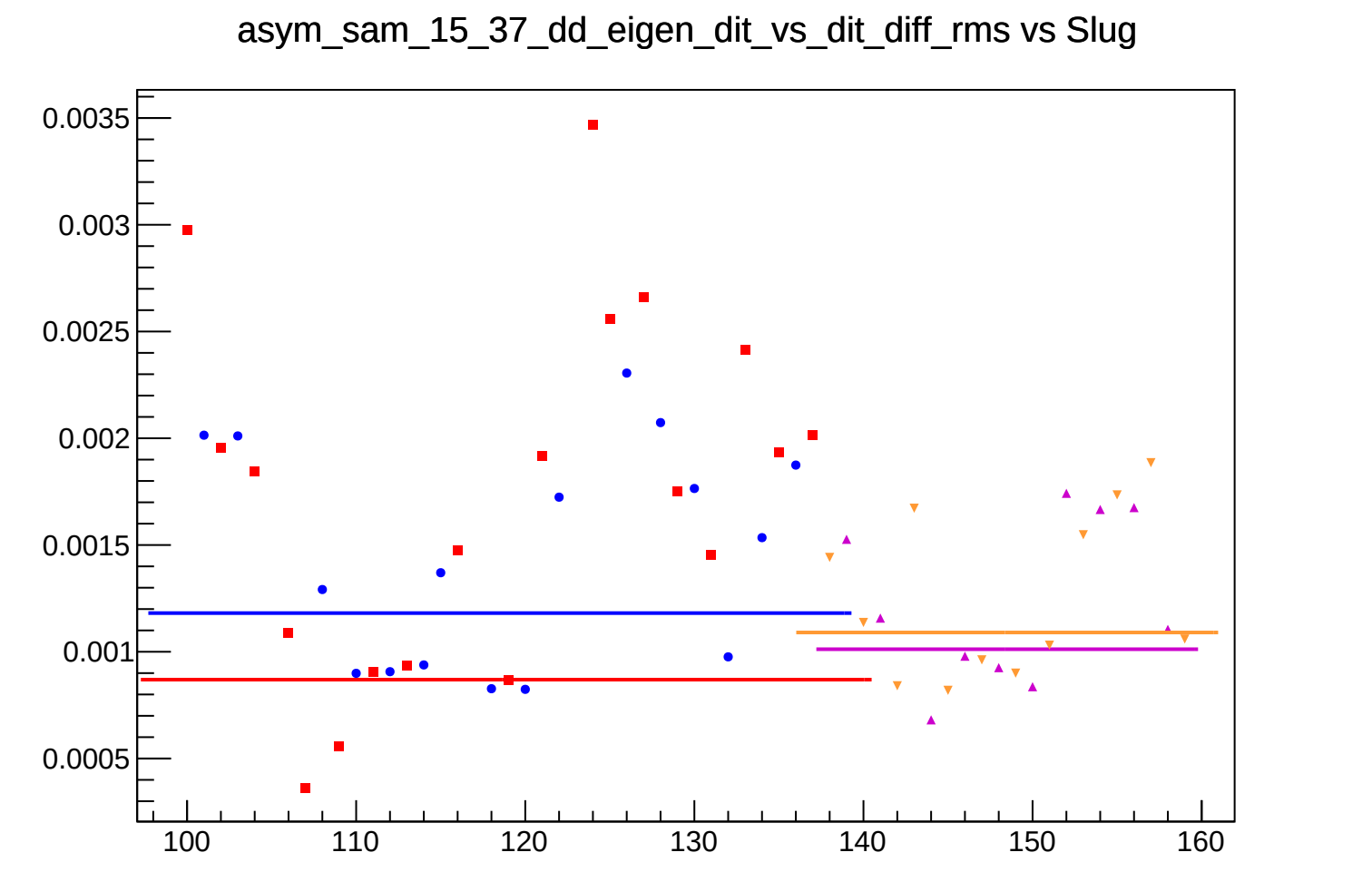
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/27

All: -0.000+/-0.000 χ^2/NDF: 58.3/56

- sign -0.000+/-0.000 χ^2/NDF: 22.4/28



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1312007.5/11

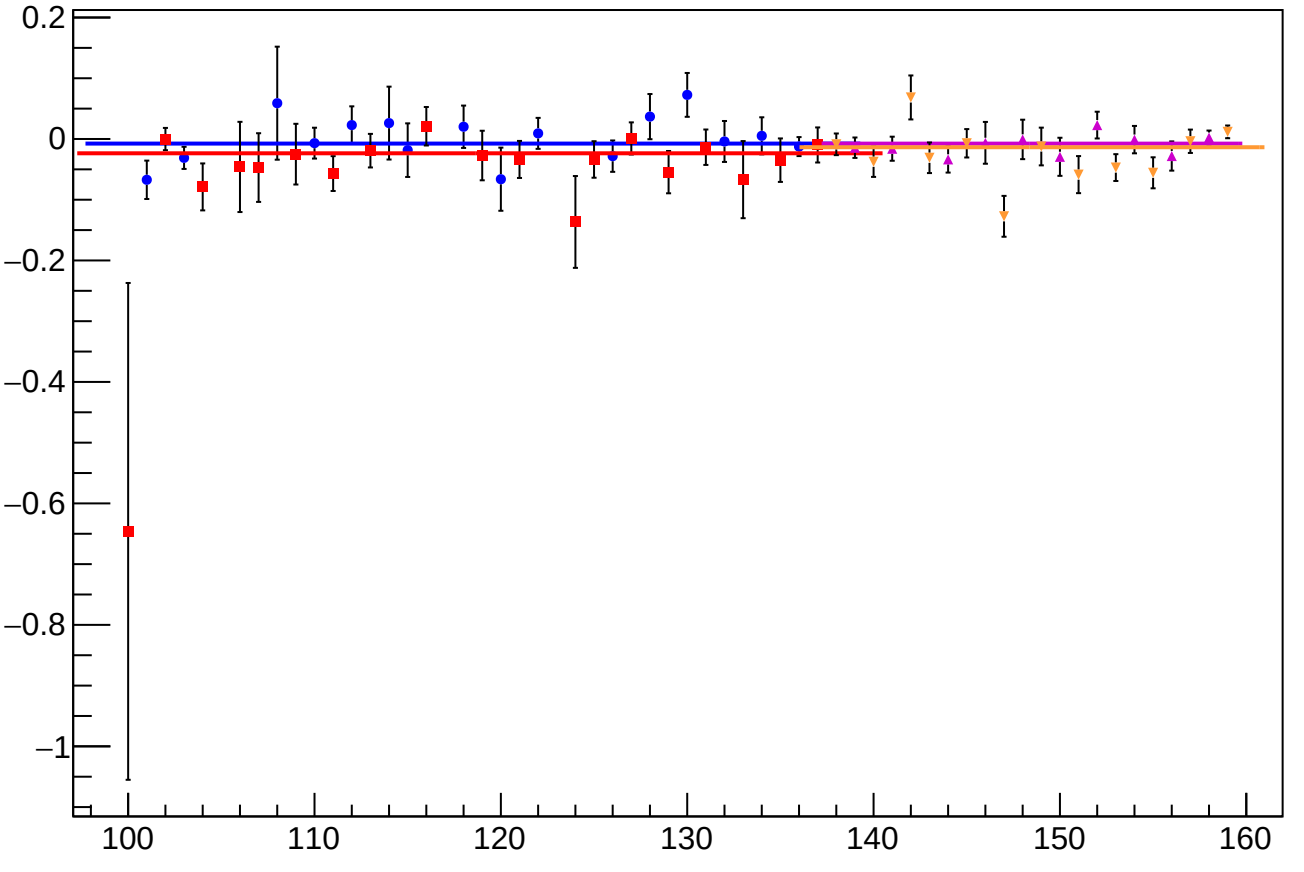
Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1560767.5/9

+ sign 0.001+/-0.000 χ^2/NDF: 3186037.2/27

All: 0.001+/-0.000 χ^2/NDF: 9752491.1/56

- sign 0.001+/-0.000 χ^2/NDF: 6143425.5/28



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.006 χ^2/NDF:31.4/11

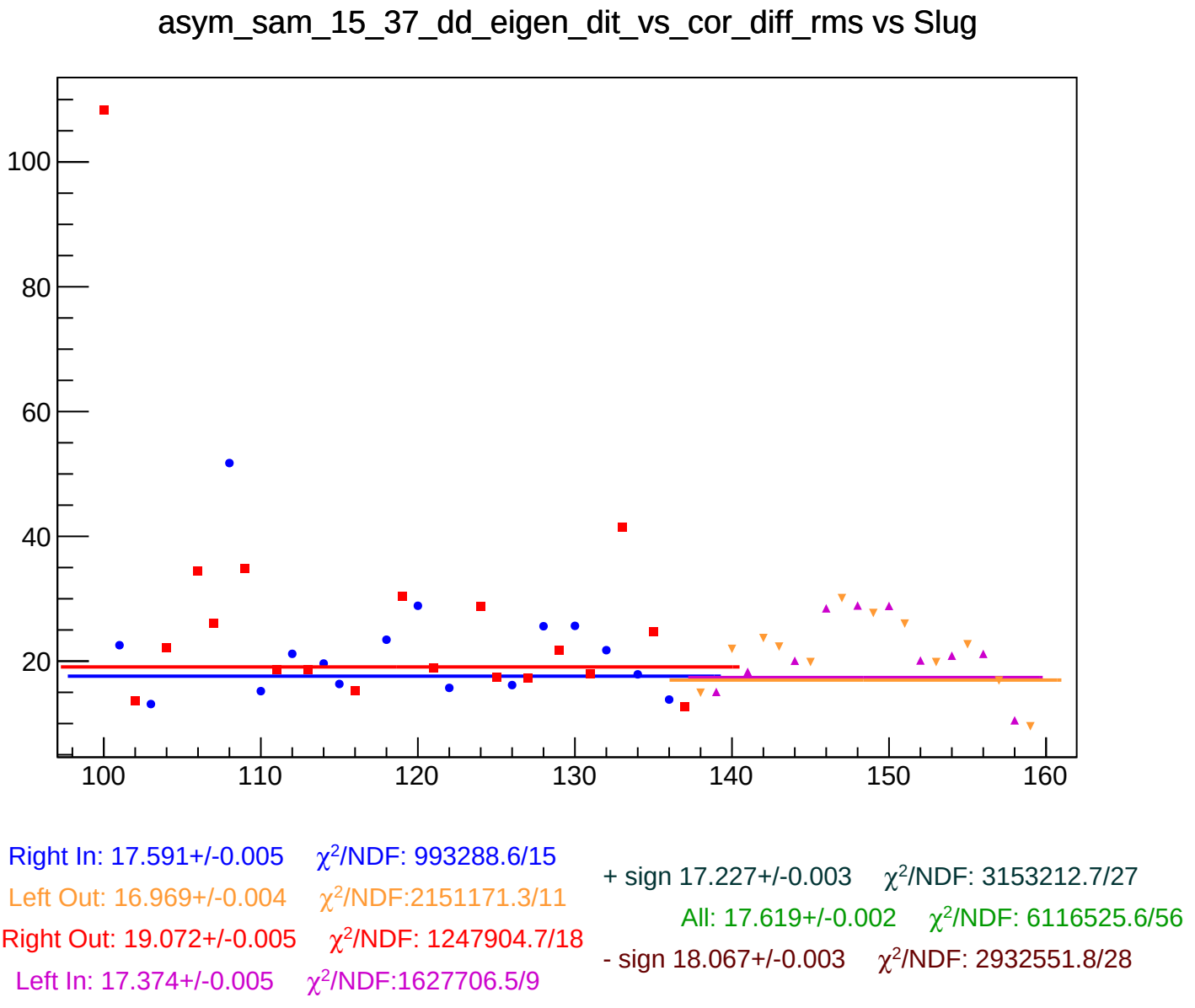
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

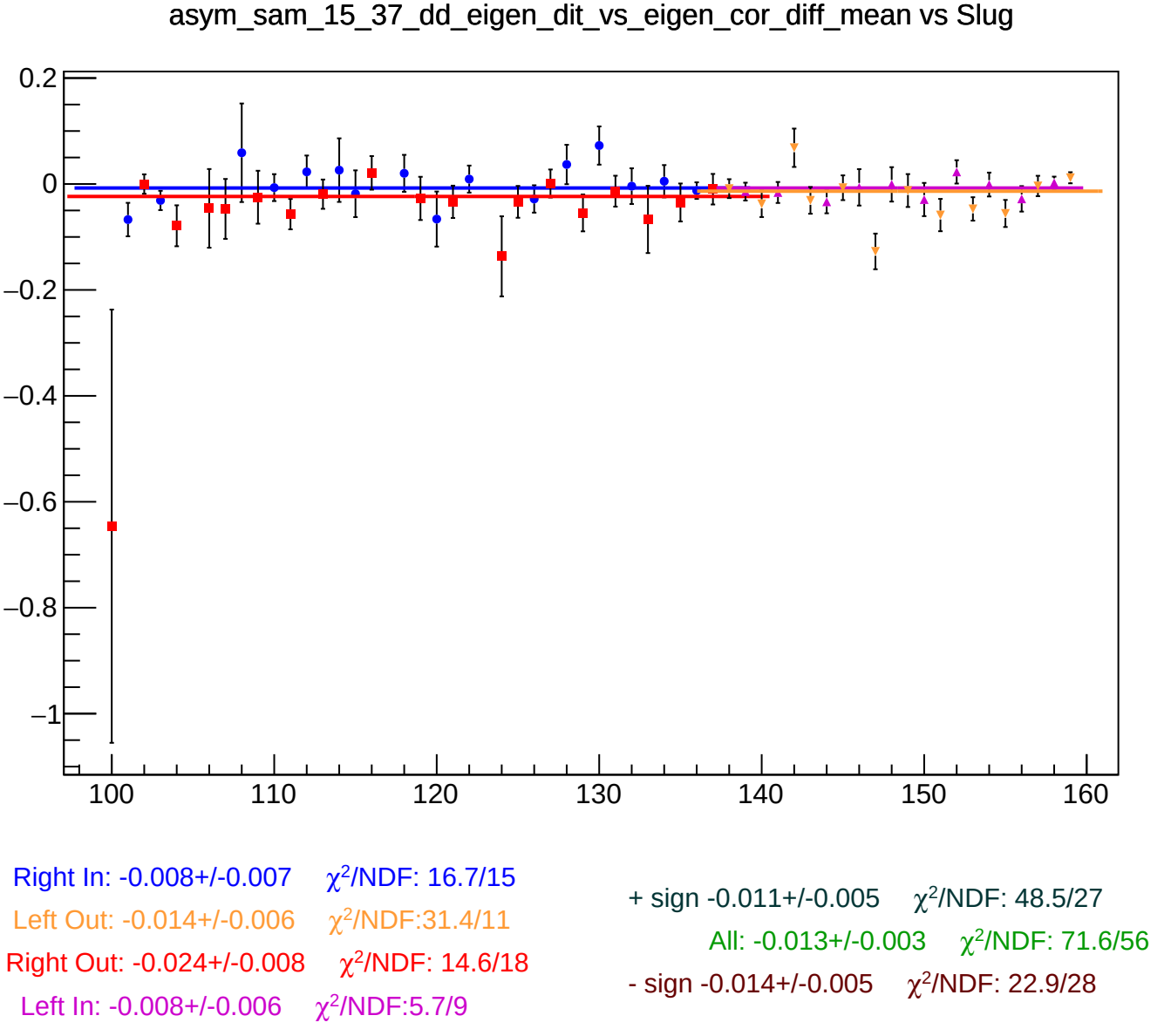
Left In: -0.008+/-0.006 χ^2/NDF:5.7/9

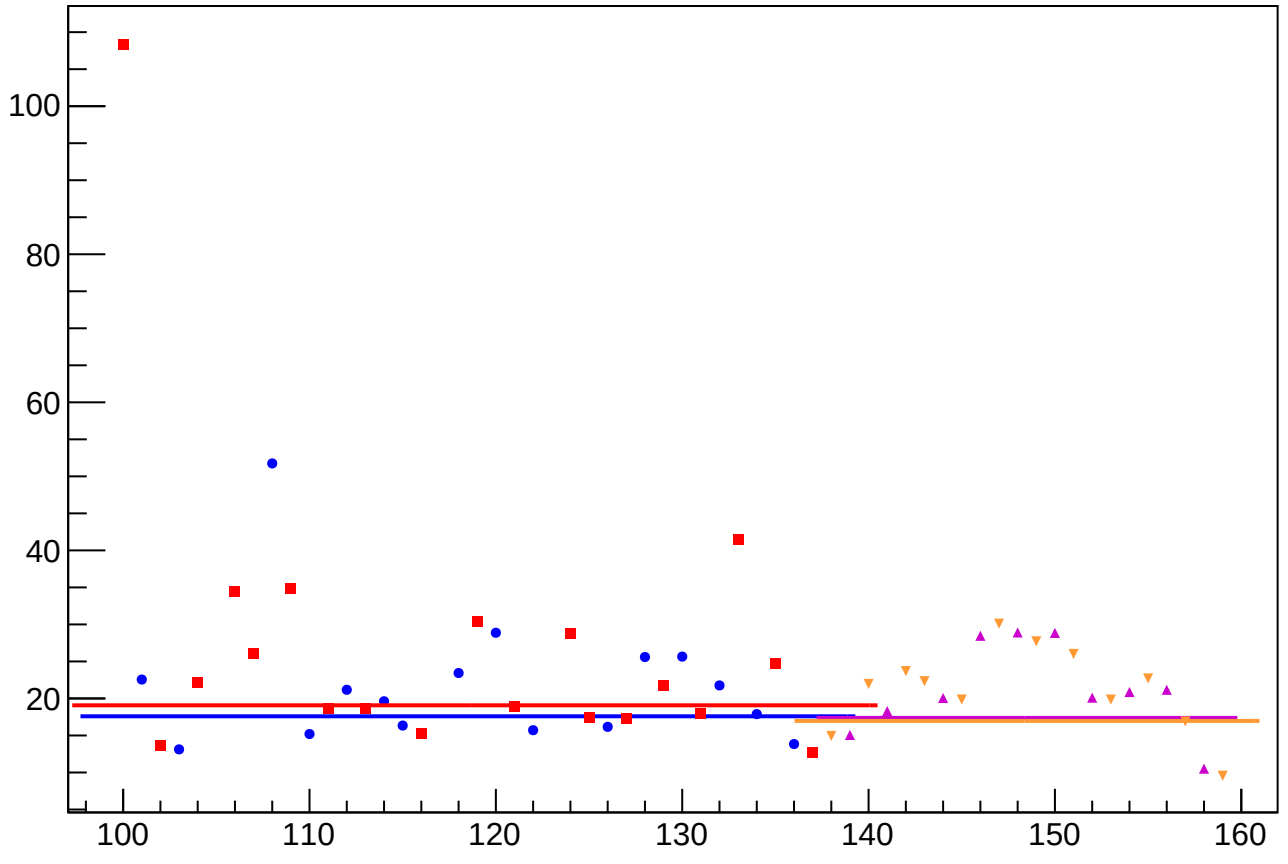
+ sign -0.011+/-0.005 χ^2/NDF: 48.5/27

All: -0.013+/-0.003 χ^2/NDF: 71.6/56

- sign -0.014+/-0.005 χ^2/NDF: 22.9/28


asym_sam_15_37_dd_eigen_dit_vs_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: 17.374+/-0.005 χ²/NDF:1627706.5/9
+ sign 17.227+/-0.003 χ²/NDF: 3153212.7/27
All: 17.619+/-0.002 χ²/NDF: 6116525.6/56
- sign 18.067+/-0.003 χ²/NDF: 2932551.8/28


asym_sam_15_37_dd_eigen_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: -0.008+/-0.006 χ²/NDF:5.7/9
+ sign -0.011+/-0.005 χ²/NDF: 48.5/27
All: -0.013+/-0.003 χ²/NDF: 71.6/56
- sign -0.014+/-0.005 χ²/NDF: 22.9/28



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.969+/-0.004 χ^2/NDF:2151171.3/11

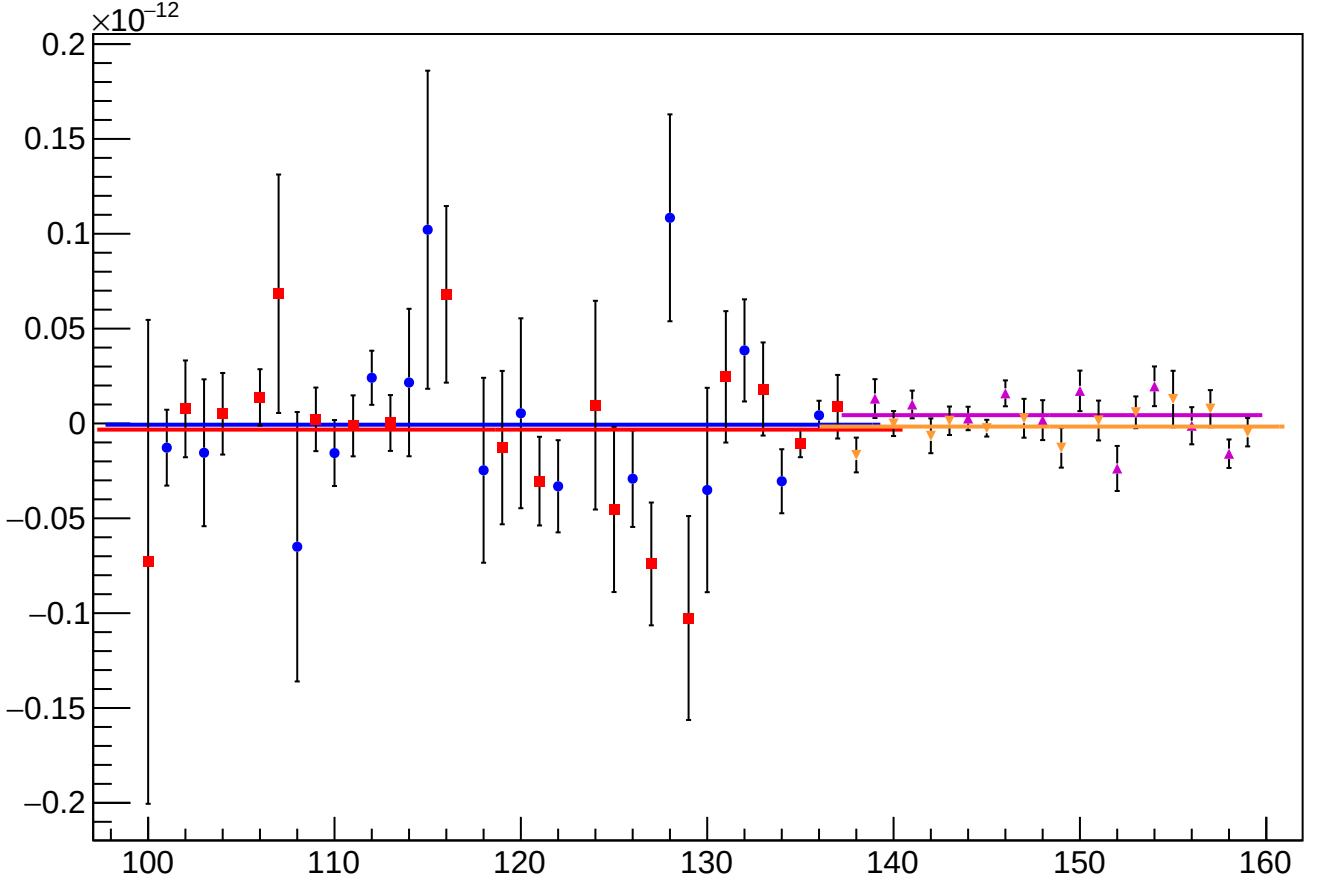
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 17.374+/-0.005 χ^2/NDF:1627706.5/9

+ sign 17.227+/-0.003 χ^2/NDF: 3153212.7/27

All: 17.619+/-0.002 χ^2/NDF: 6116525.6/56

- sign 18.067+/-0.003 χ^2/NDF: 2932551.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/11

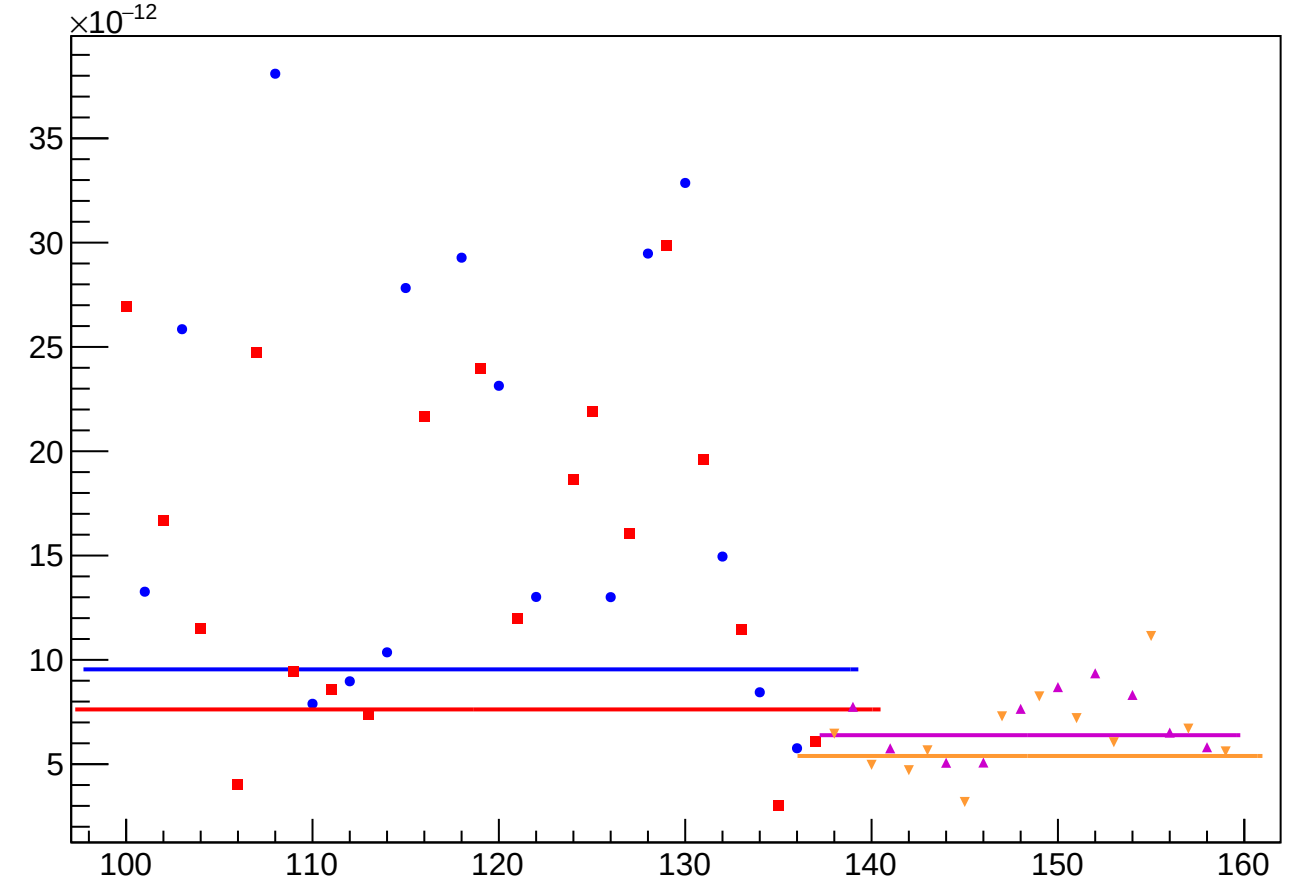
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/27

All: 0.000+/-0.000 χ^2/NDF: 71.7/56

- sign 0.000+/-0.000 χ^2/NDF: 42.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1172026.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

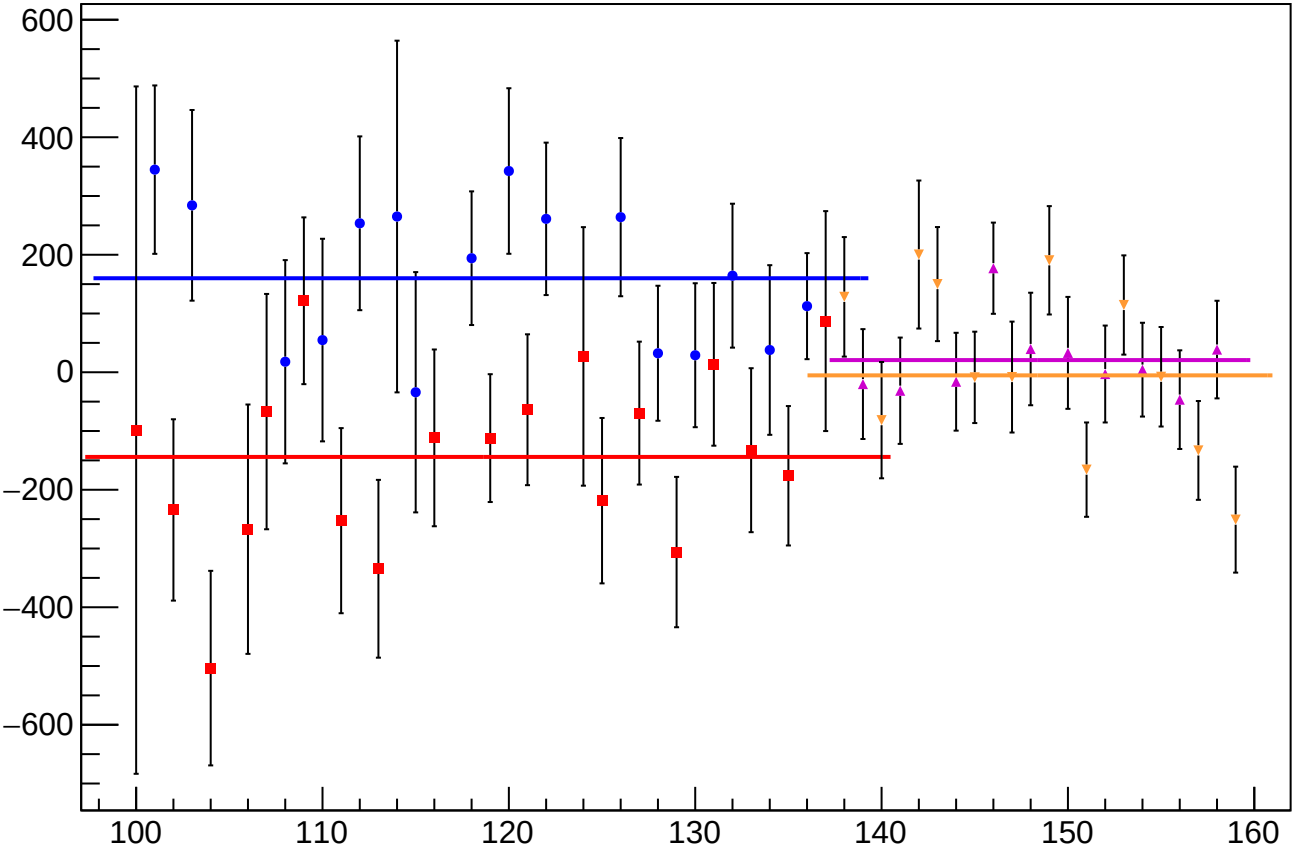
Left In: 0.000+/-0.000 χ^2/NDF:541975.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 4919133.2/27

All: 0.000+/-0.000 χ^2/NDF: 8737530.5/56

- sign 0.000+/-0.000 χ^2/NDF: 3739453.8/28

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

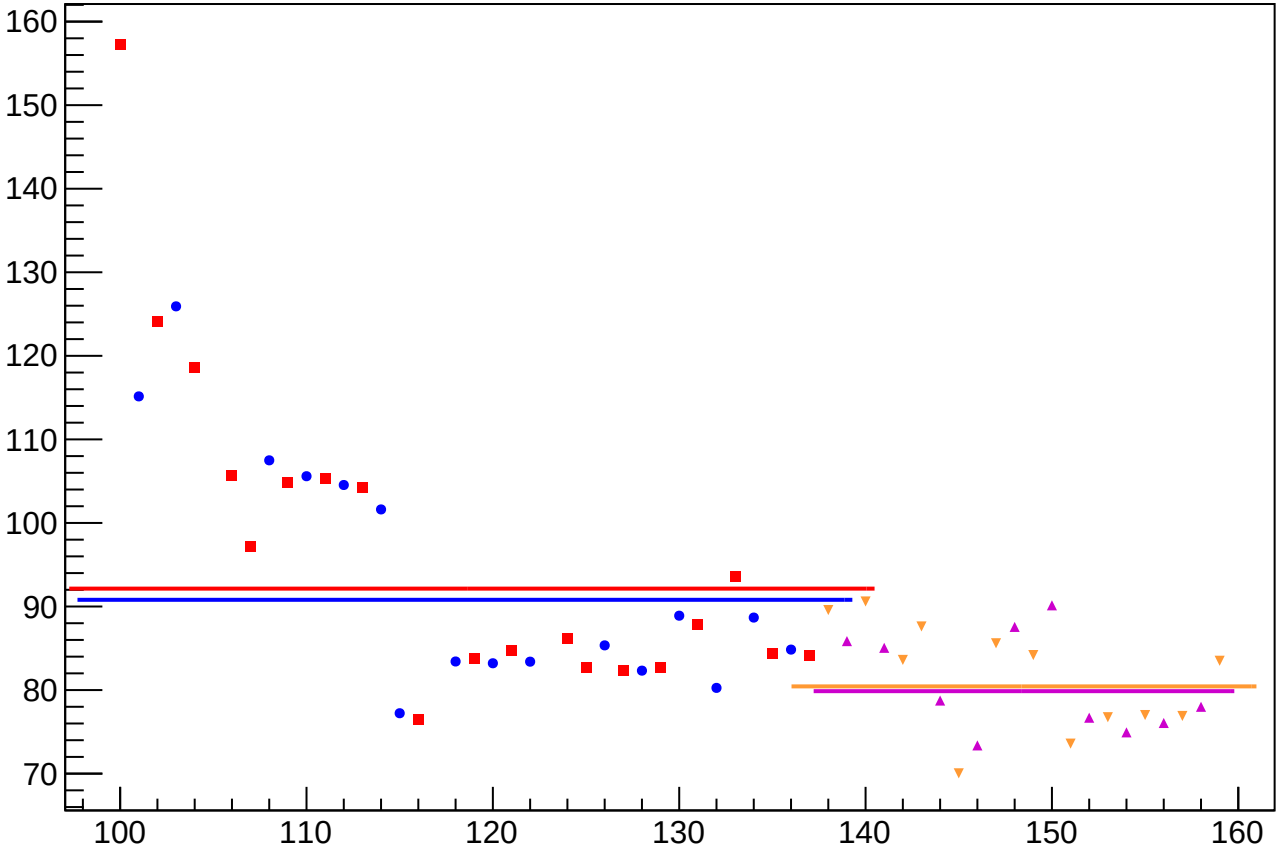
Left In: 20.720+/-27.151 χ^2/NDF:5.6/9

+ sign 55.781+/-20.768 χ^2/NDF: 53.6/27

All: 7.576+/-14.859 χ^2/NDF: 101.9/56

- sign -42.974+/-21.268 χ^2/NDF: 37.3/28

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

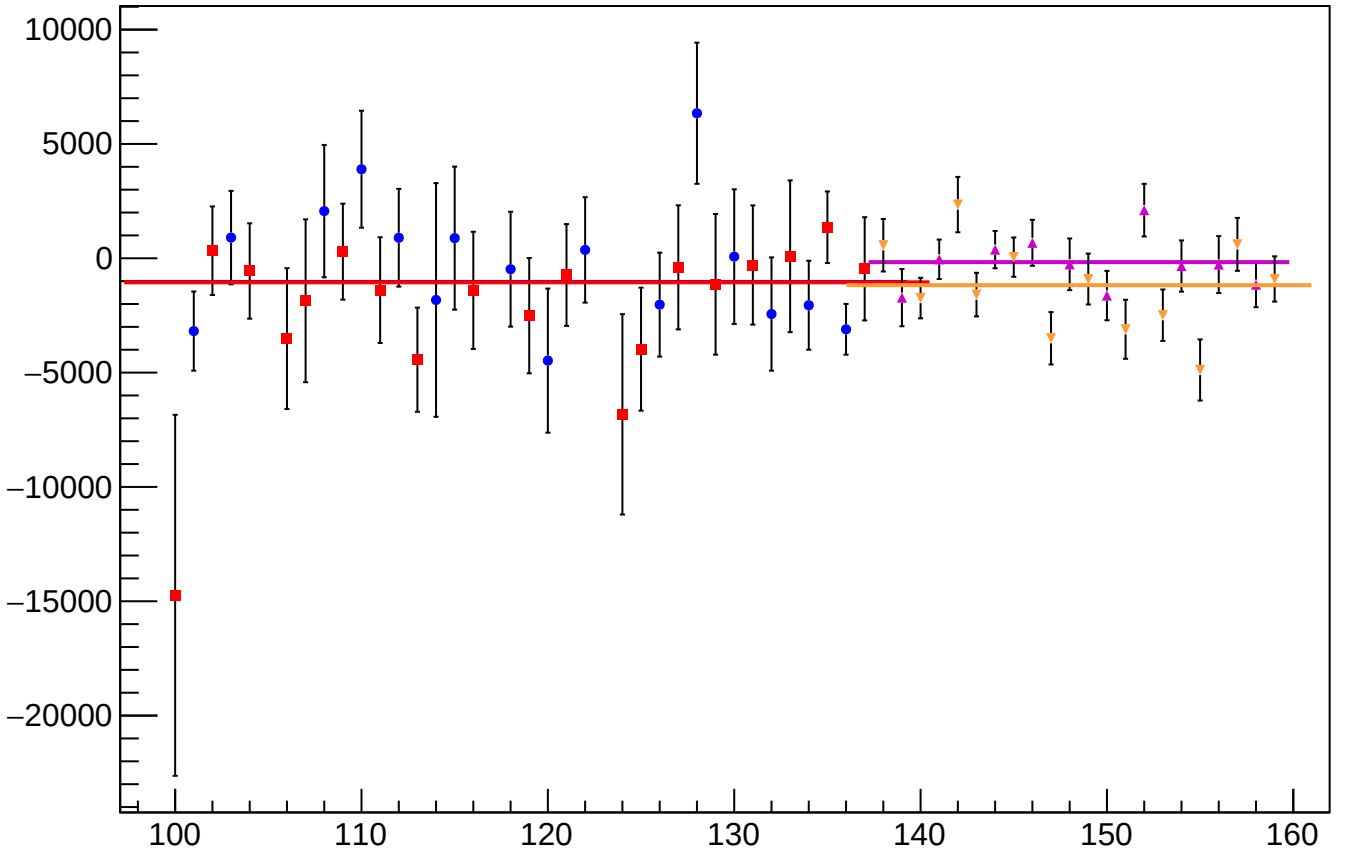
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

+ sign 84.268+/-0.015 χ^2/NDF: 510732.9/27

All: 84.435+/-0.011 χ^2/NDF: 1051940.0/56

- sign 84.611+/-0.015 χ^2/NDF: 540940.5/28



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

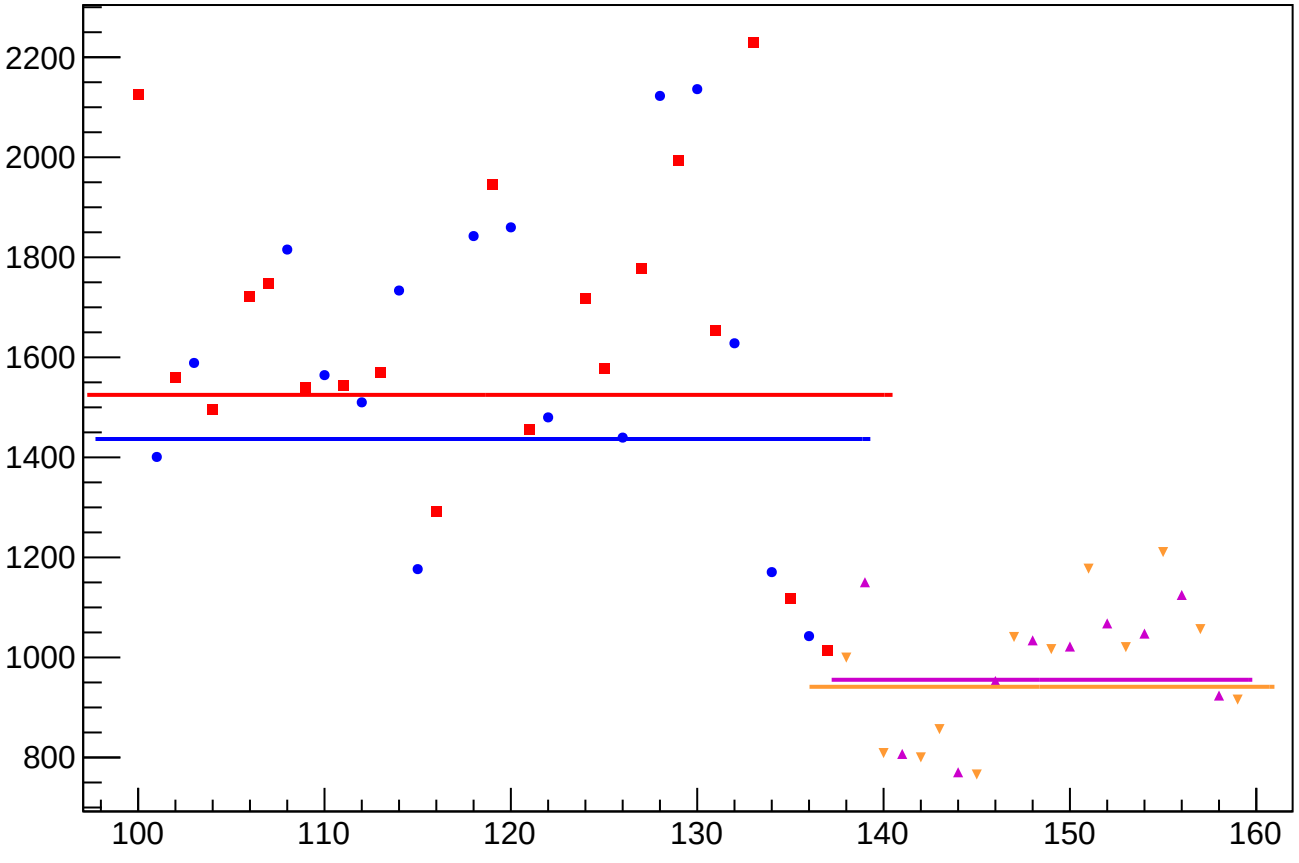
Left In: -168.699+/-327.199 χ^2/NDF:9.5/9

+ sign -1141.962+/-269.584 χ^2/NDF: 51.6/27

All: -784.176+/-195.404 χ^2/NDF: 79.5/56

- sign -388.117+/-283.637 χ^2/NDF: 24.2/28

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

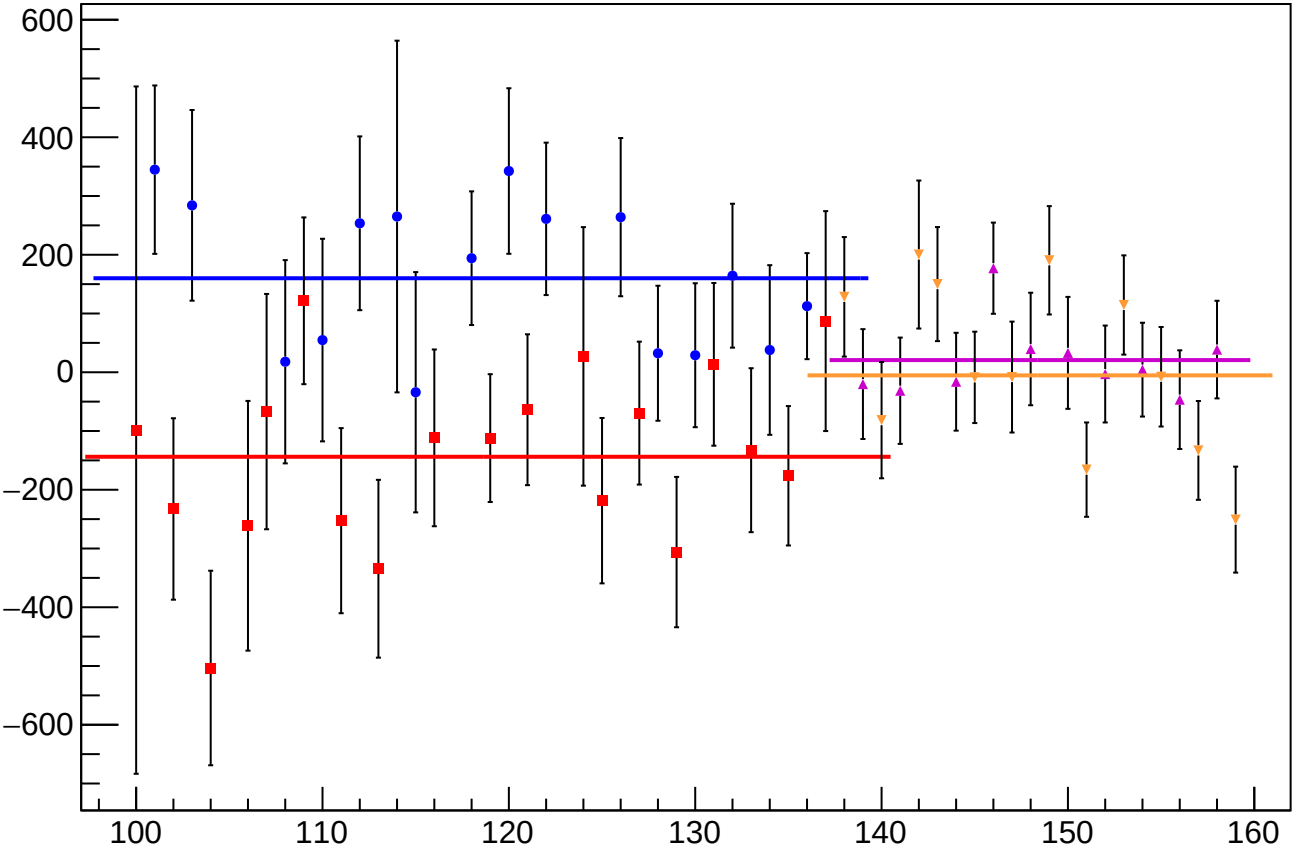
Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

+ sign 1060.263+/-0.191 χ^2/NDF: 2287454.4/27

All: 1077.671+/-0.138 χ^2/NDF: 4615376.3/56

- sign 1096.941+/-0.201 χ^2/NDF: 2310351.5/28

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

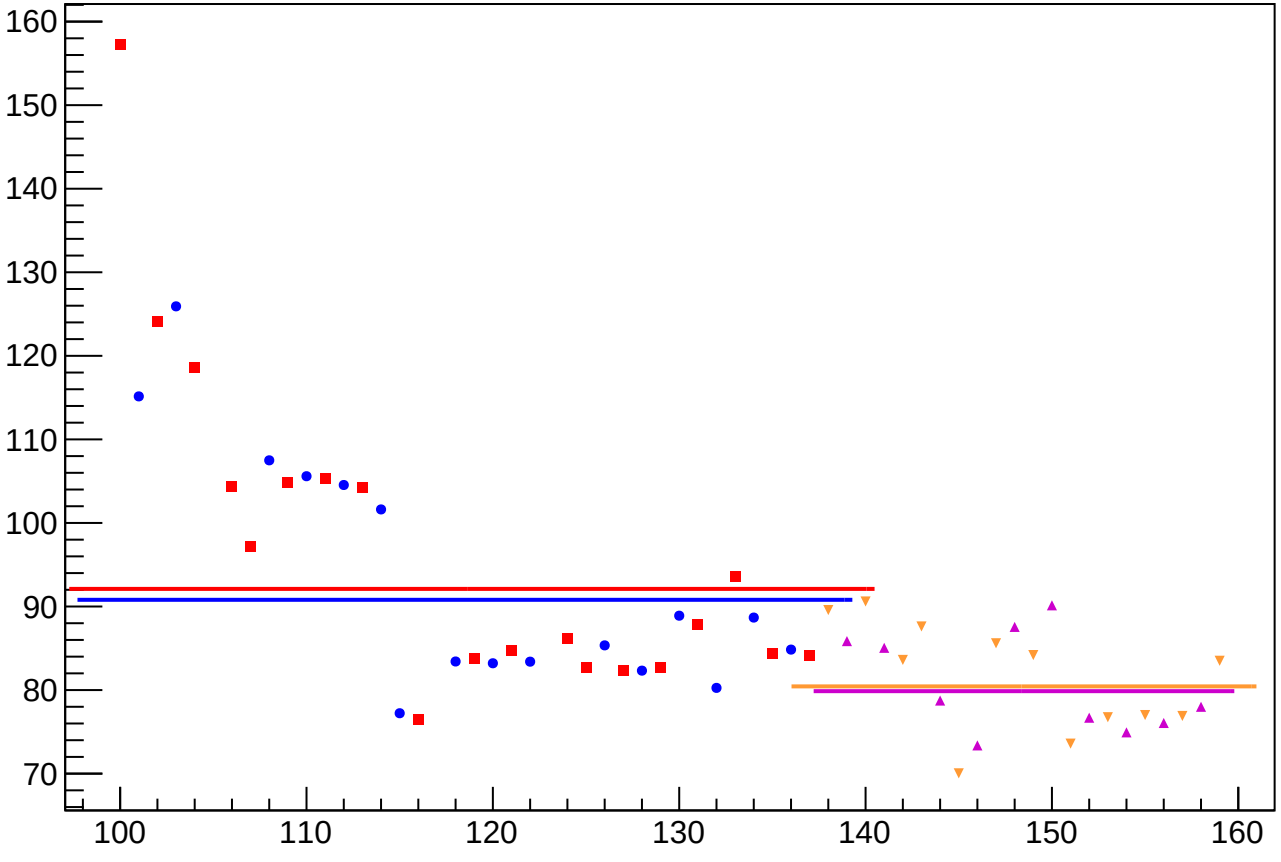
Left In: 20.718+/-27.151 χ^2/NDF:5.6/9

+ sign 55.783+/-20.768 χ^2/NDF: 53.6/27

All: 7.629+/-14.859 χ^2/NDF: 101.8/56

- sign -42.872+/-21.268 χ^2/NDF: 37.2/28

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

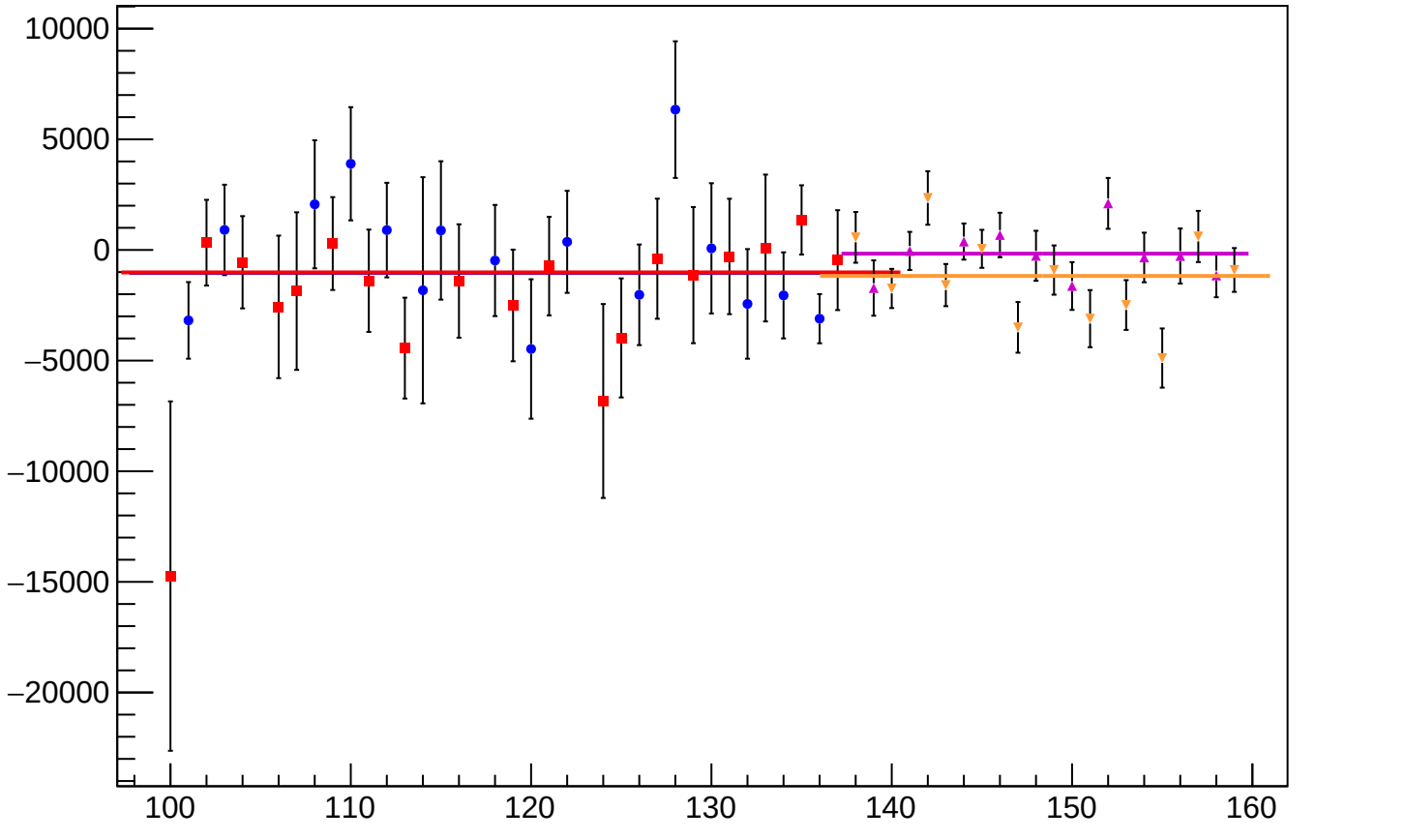
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

+ sign 84.268+/-0.015 χ^2/NDF: 510734.8/27

All: 84.429+/-0.011 χ^2/NDF: 1049795.3/56

- sign 84.598+/-0.015 χ^2/NDF: 538814.0/28



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1175.735+/-309.249 χ^2/NDF:31.3/11

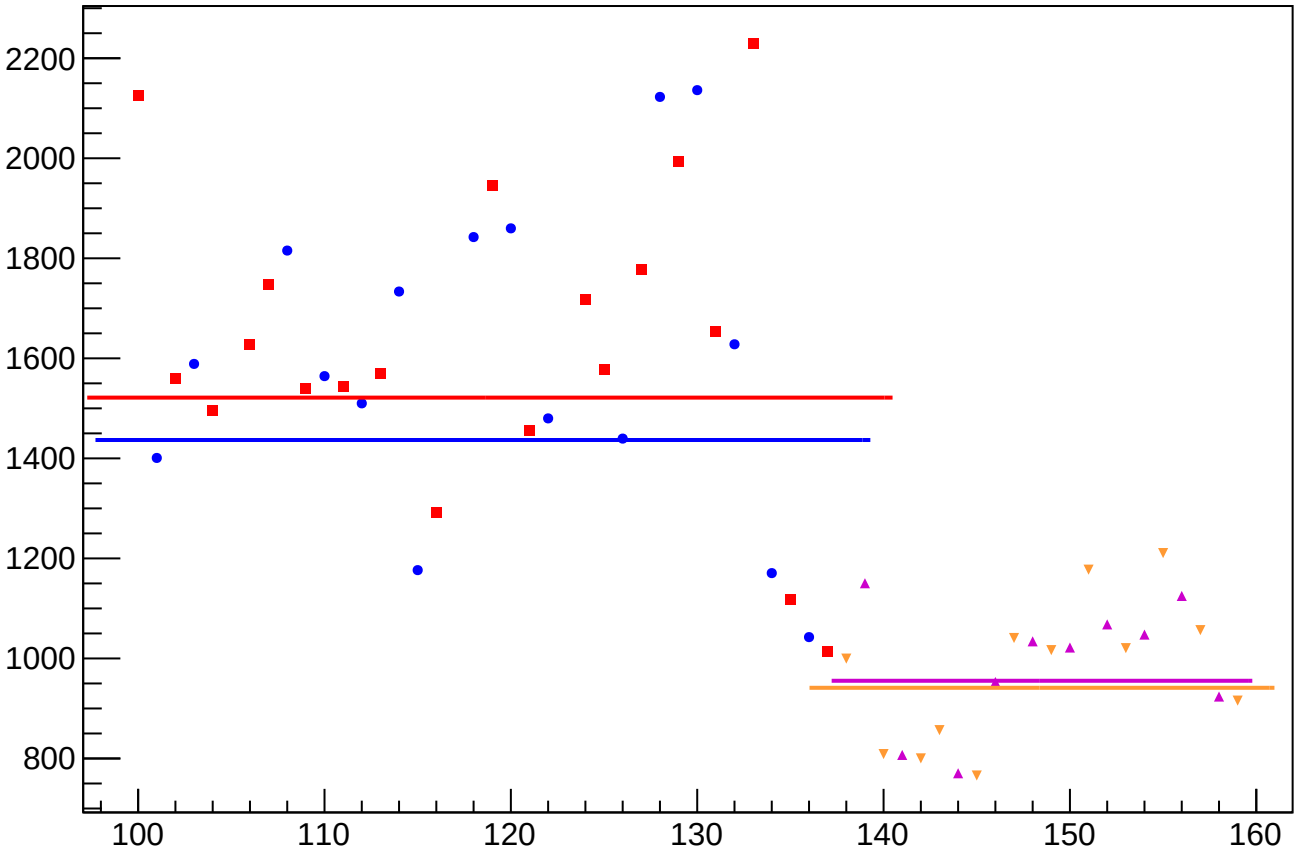
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -168.701+/-327.199 χ^2/NDF:9.5/9

+ sign -1141.951+/-269.585 χ^2/NDF: 51.6/27

All: -779.828+/-195.438 χ^2/NDF: 79.1/56

- sign -378.674+/-283.741 χ^2/NDF: 23.6/28



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

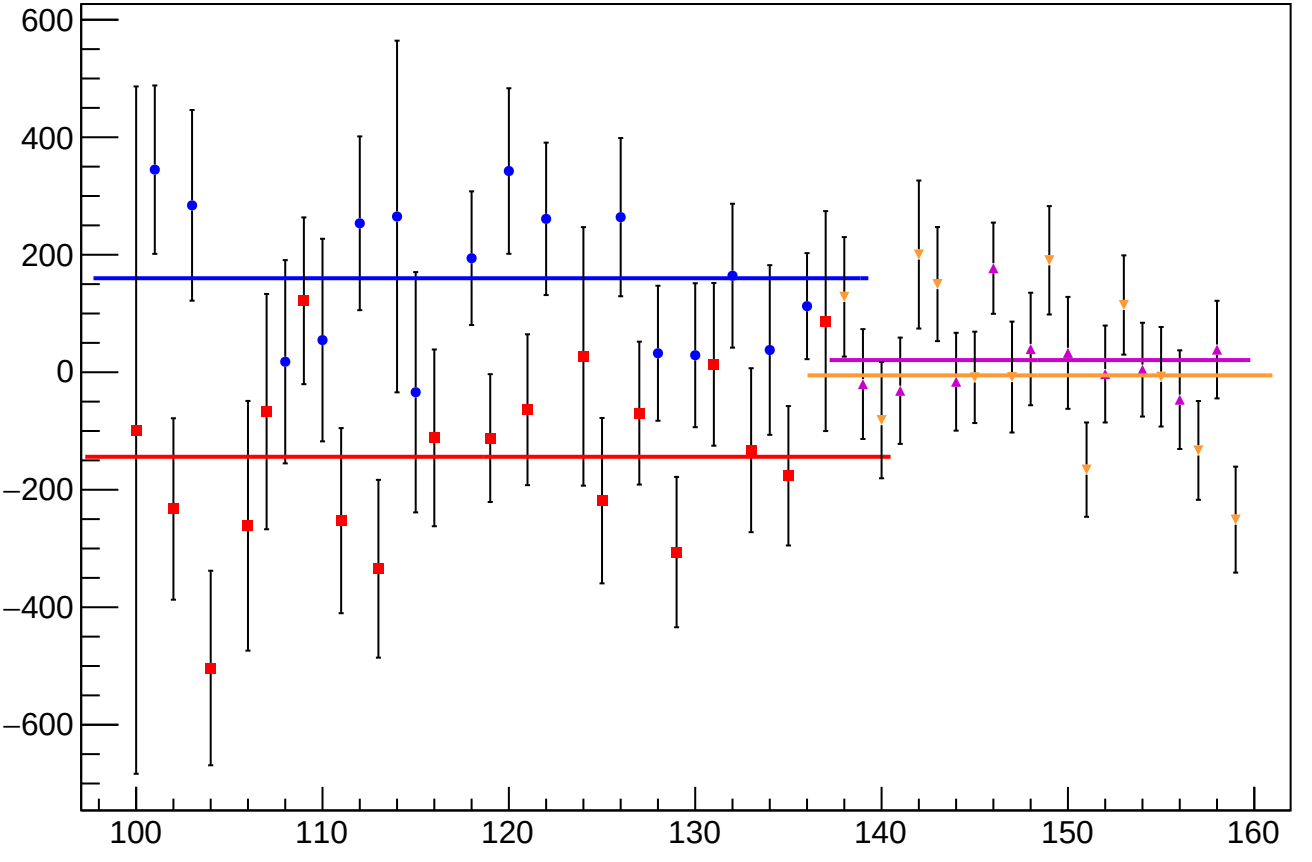
Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

+ sign 1060.263+/-0.191 χ^2/NDF: 2287477.2/27

All: 1077.109+/-0.138 χ^2/NDF: 4586557.5/56

- sign 1095.770+/-0.201 χ^2/NDF: 2282620.1/28

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

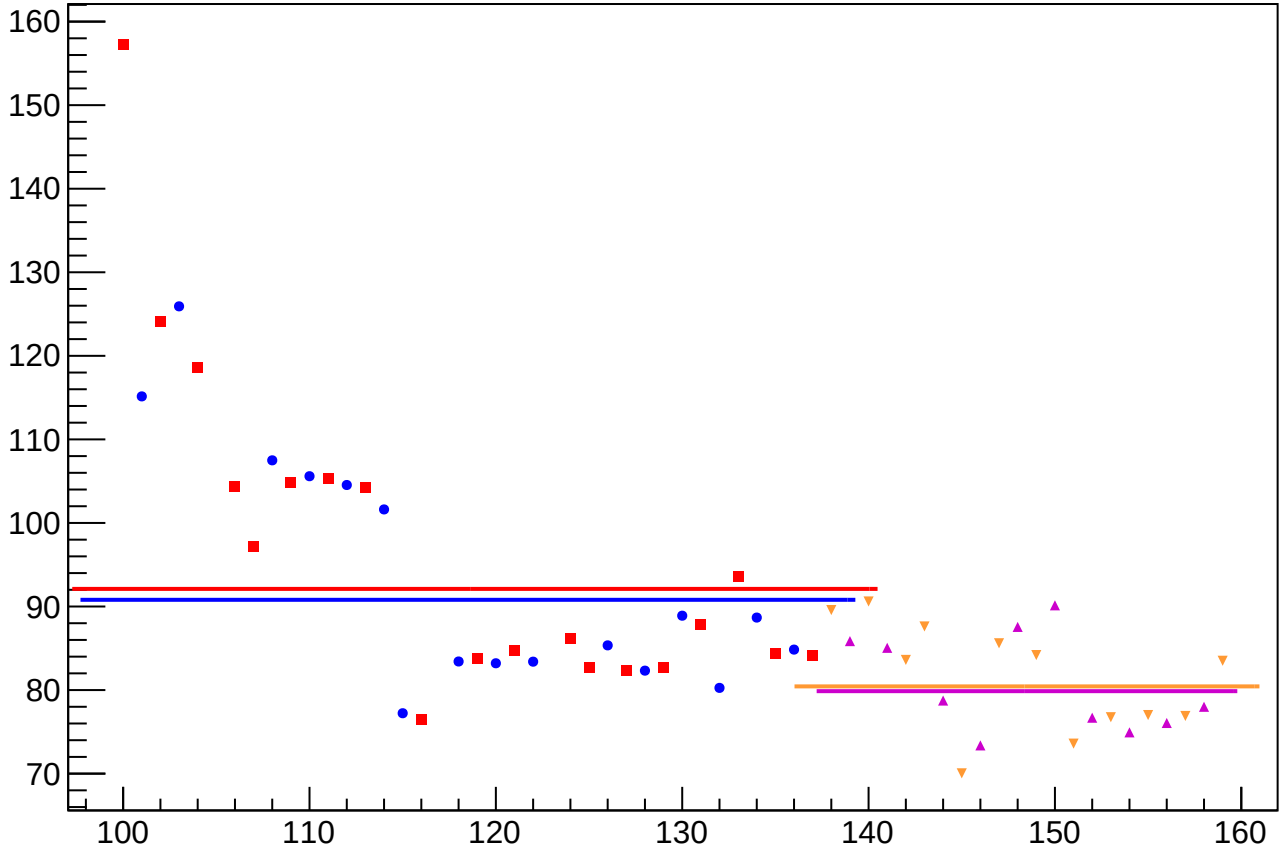
Left In: 20.718+/-27.151 χ^2/NDF:5.6/9

+ sign 55.783+/-20.768 χ^2/NDF: 53.6/27

All: 7.629+/-14.859 χ^2/NDF: 101.8/56

- sign -42.872+/-21.268 χ^2/NDF: 37.2/28

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

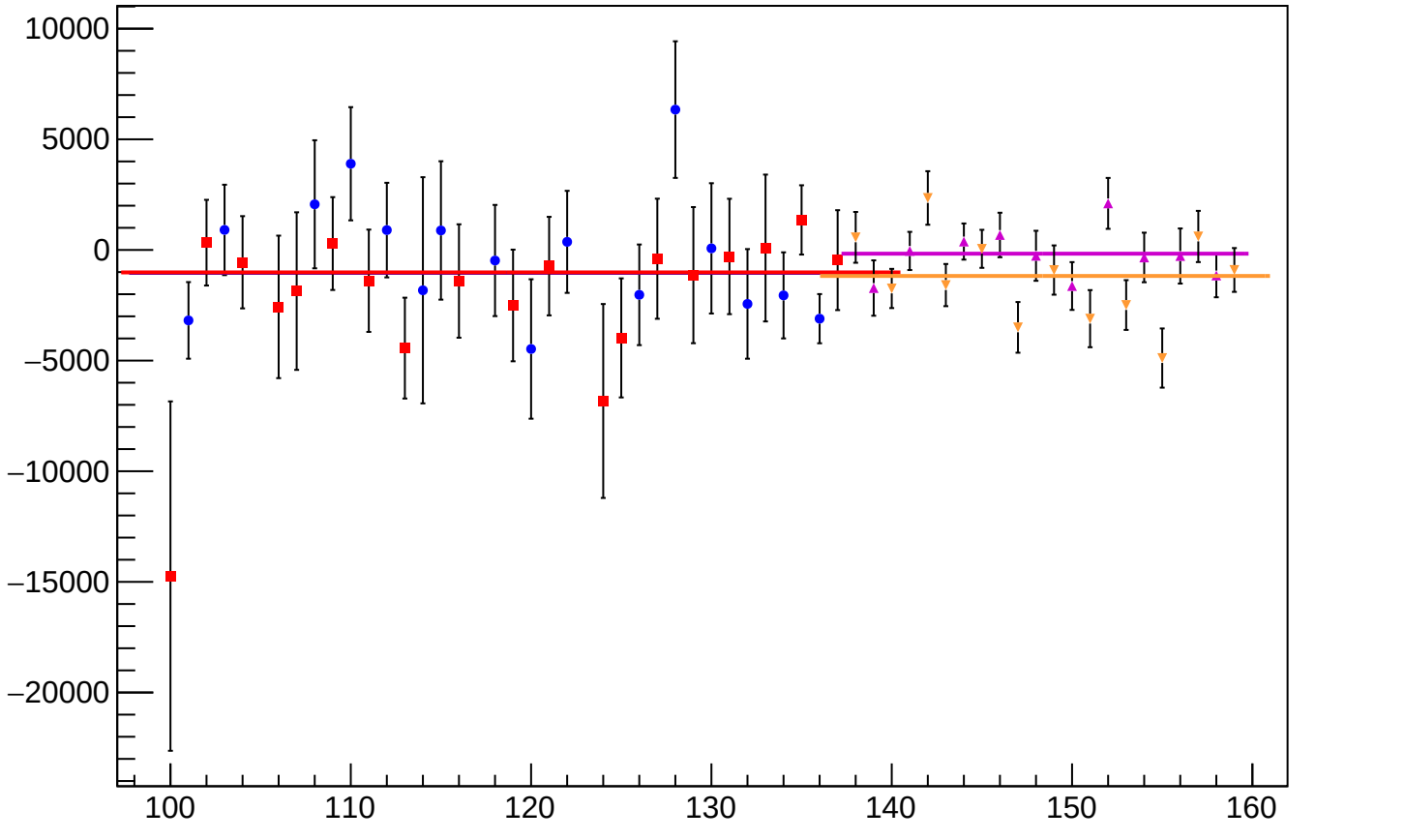
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 79.869+/-0.019 χ^2/NDF:81003.4/9

+ sign 84.268+/-0.015 χ^2/NDF: 510734.8/27

All: 84.429+/-0.011 χ^2/NDF: 1049795.3/56

- sign 84.598+/-0.015 χ^2/NDF: 538814.0/28



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1175.735+/-309.249 χ^2/NDF:31.3/11

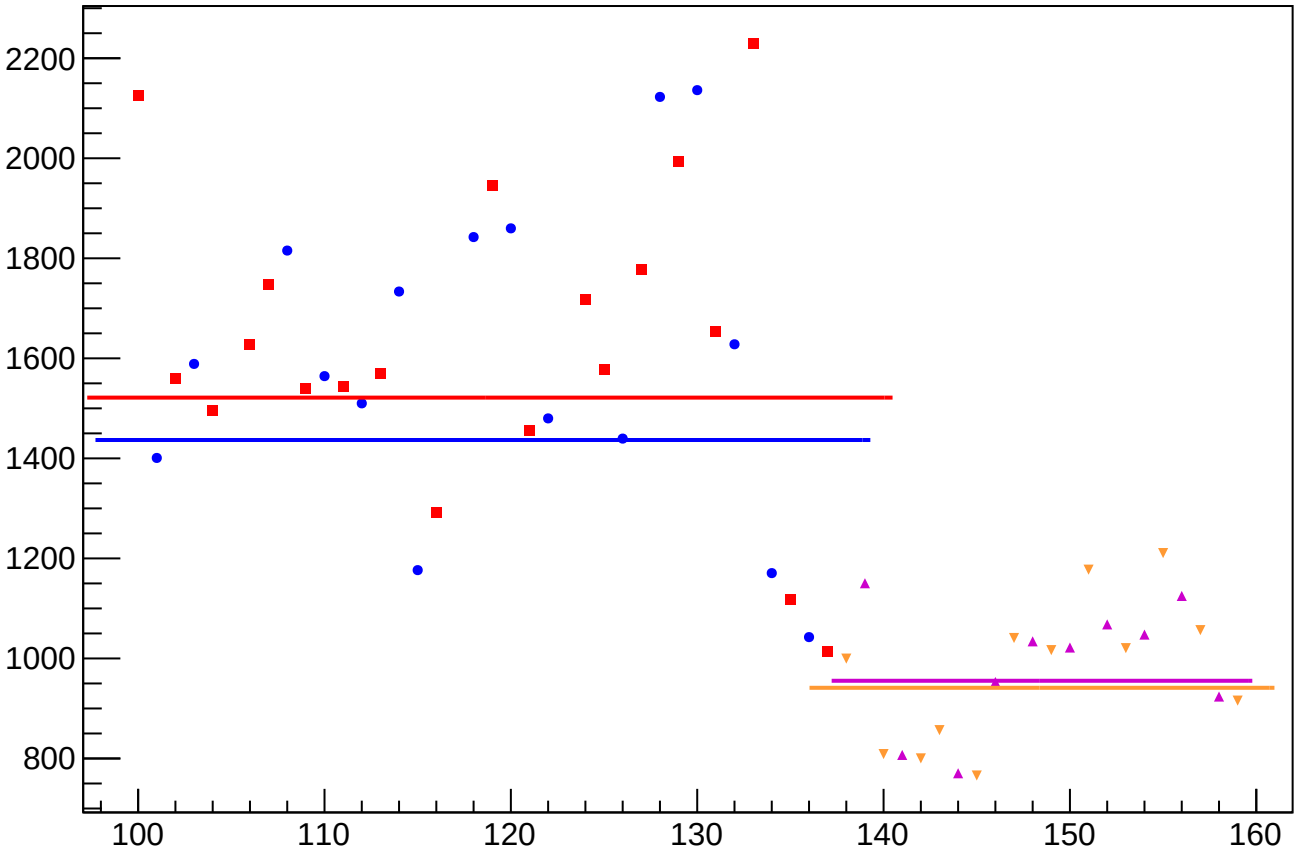
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -168.701+/-327.199 χ^2/NDF:9.5/9

+ sign -1141.951+/-269.585 χ^2/NDF: 51.6/27

All: -779.828+/-195.438 χ^2/NDF: 79.1/56

- sign -378.674+/-283.741 χ^2/NDF: 23.6/28



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

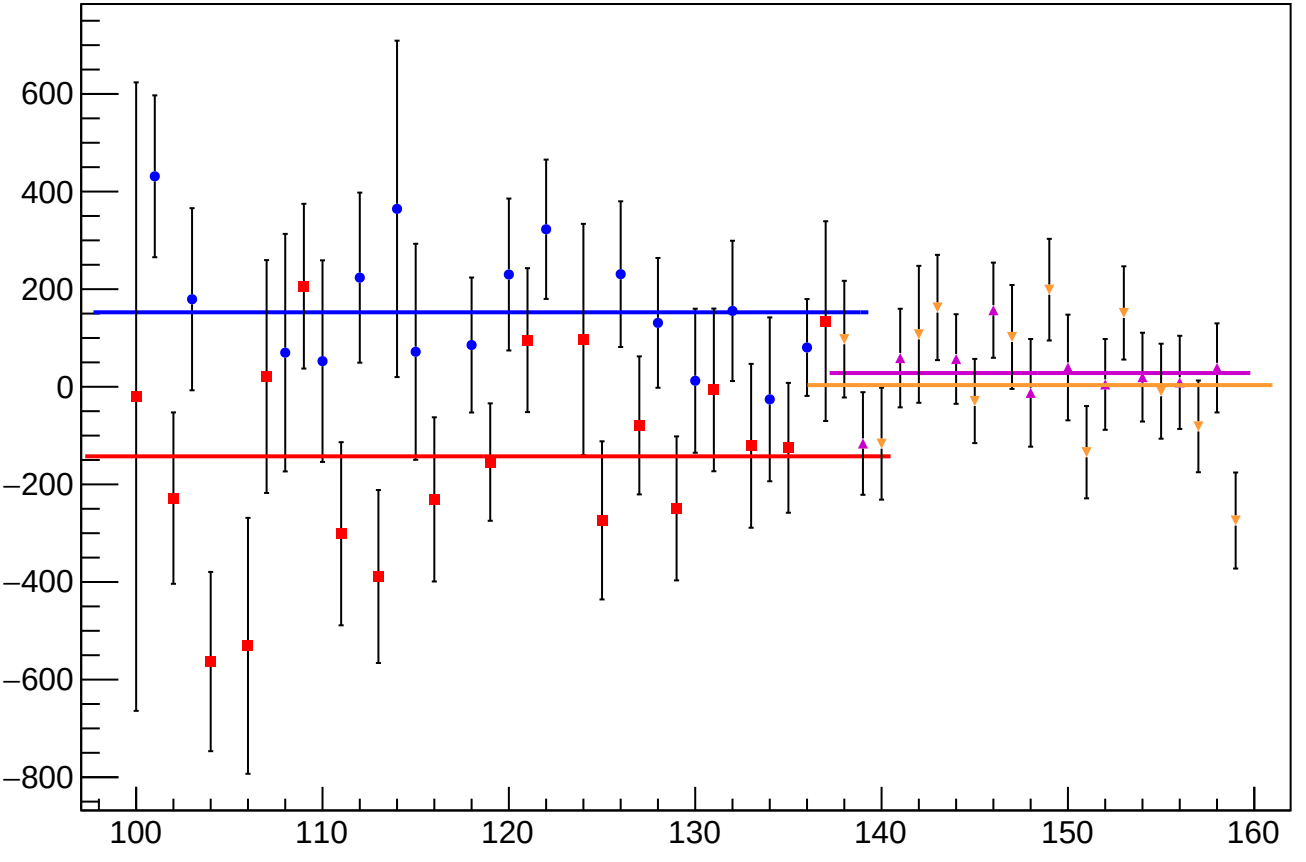
Left In: 955.375+/-0.231 χ^2/NDF:299462.1/9

+ sign 1060.263+/-0.191 χ^2/NDF: 2287477.2/27

All: 1077.109+/-0.138 χ^2/NDF: 4586557.5/56

- sign 1095.770+/-0.201 χ^2/NDF: 2282620.1/28

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

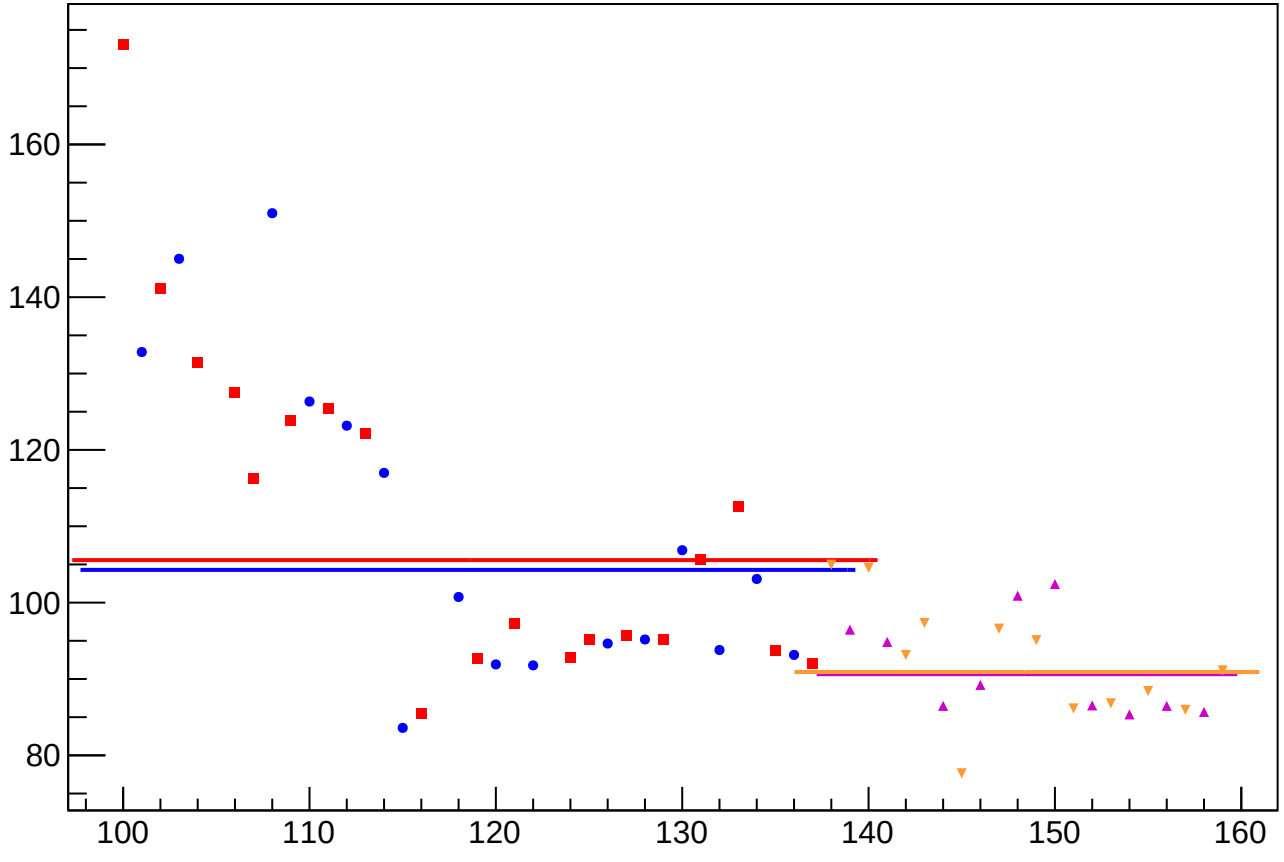
Left In: 28.157+/-30.920 χ^2/NDF:4.1/9

+ sign 57.237+/-23.678 χ^2/NDF: 40.0/27

All: 11.355+/-16.962 χ^2/NDF: 86.4/56

- sign -37.007+/-24.310 χ^2/NDF: 38.6/28

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.916+/-0.021 χ^2/NDF:135381.4/11

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

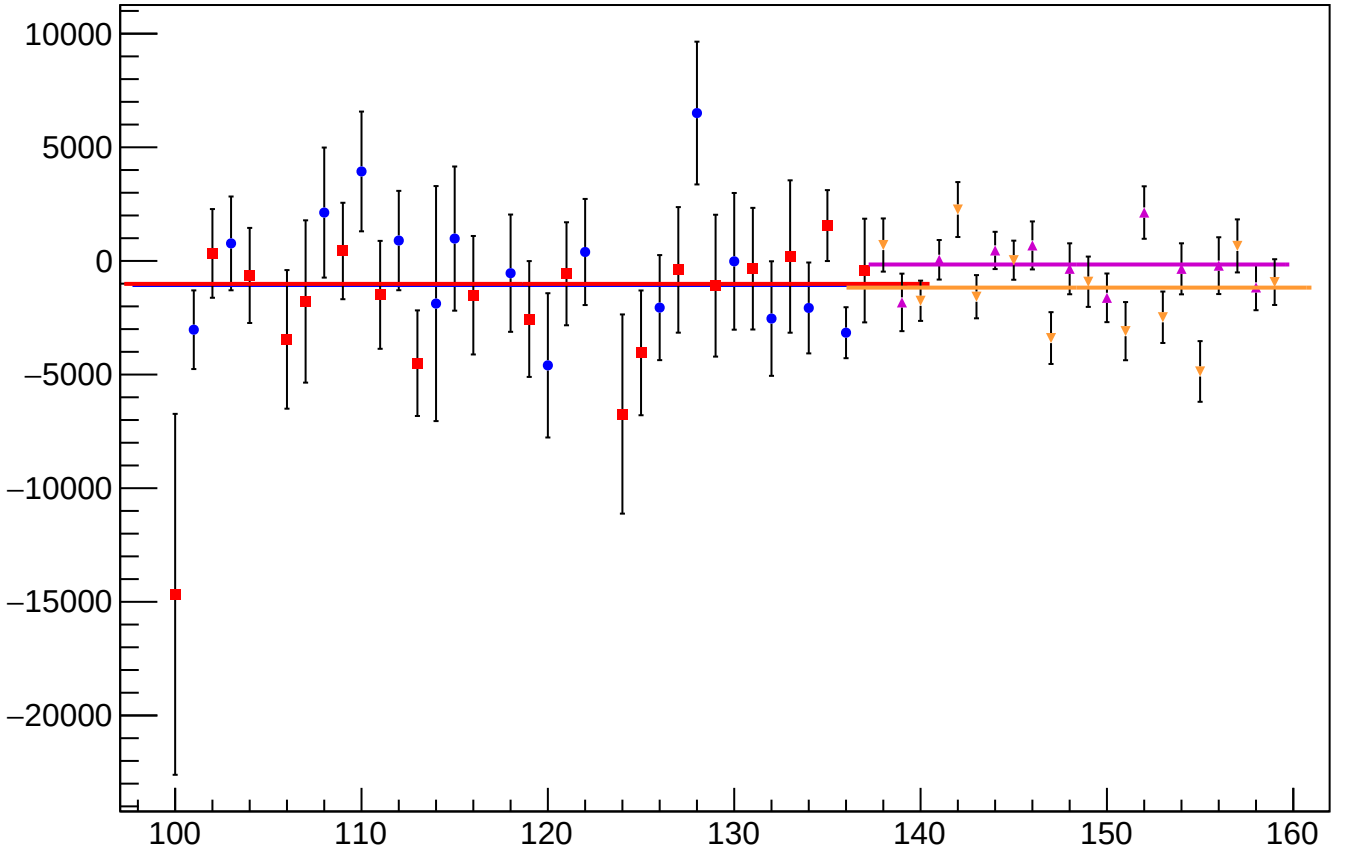
Left In: 90.627+/-0.022 χ^2/NDF:75487.0/9

+ sign 95.734+/-0.017 χ^2/NDF: 660669.7/27

All: 96.025+/-0.012 χ^2/NDF: 1259721.1/56

- sign 96.332+/-0.017 χ^2/NDF: 598429.4/28

asym_sam_24_68_dd_dit_correction_mean vs Slug



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

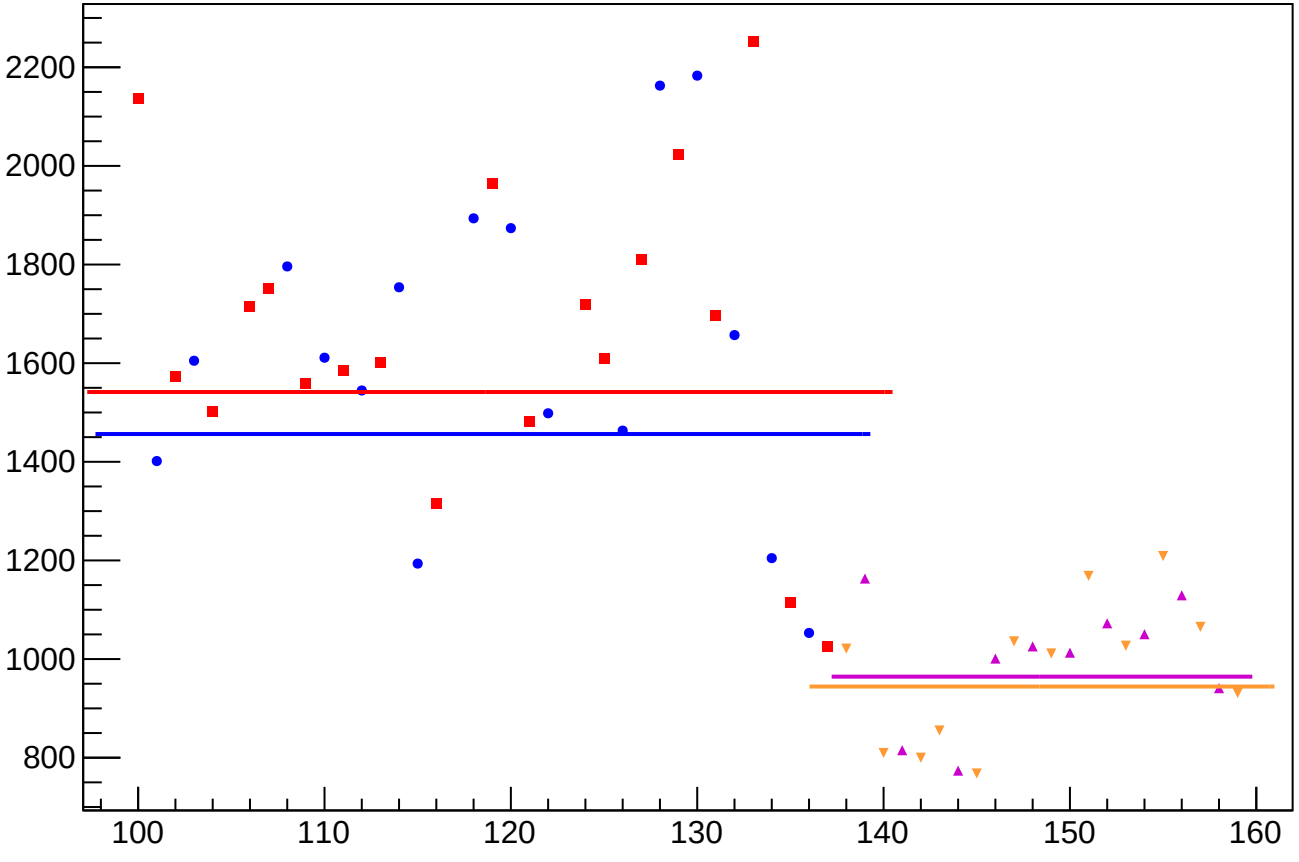
Left In: -156.992+/-330.106 χ^2/NDF:9.9/9

+ sign -1147.025+/-270.957 χ^2/NDF: 50.9/27

All: -779.111+/-196.794 χ^2/NDF: 79.6/56

- sign -368.364+/-286.295 χ^2/NDF: 24.8/28

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

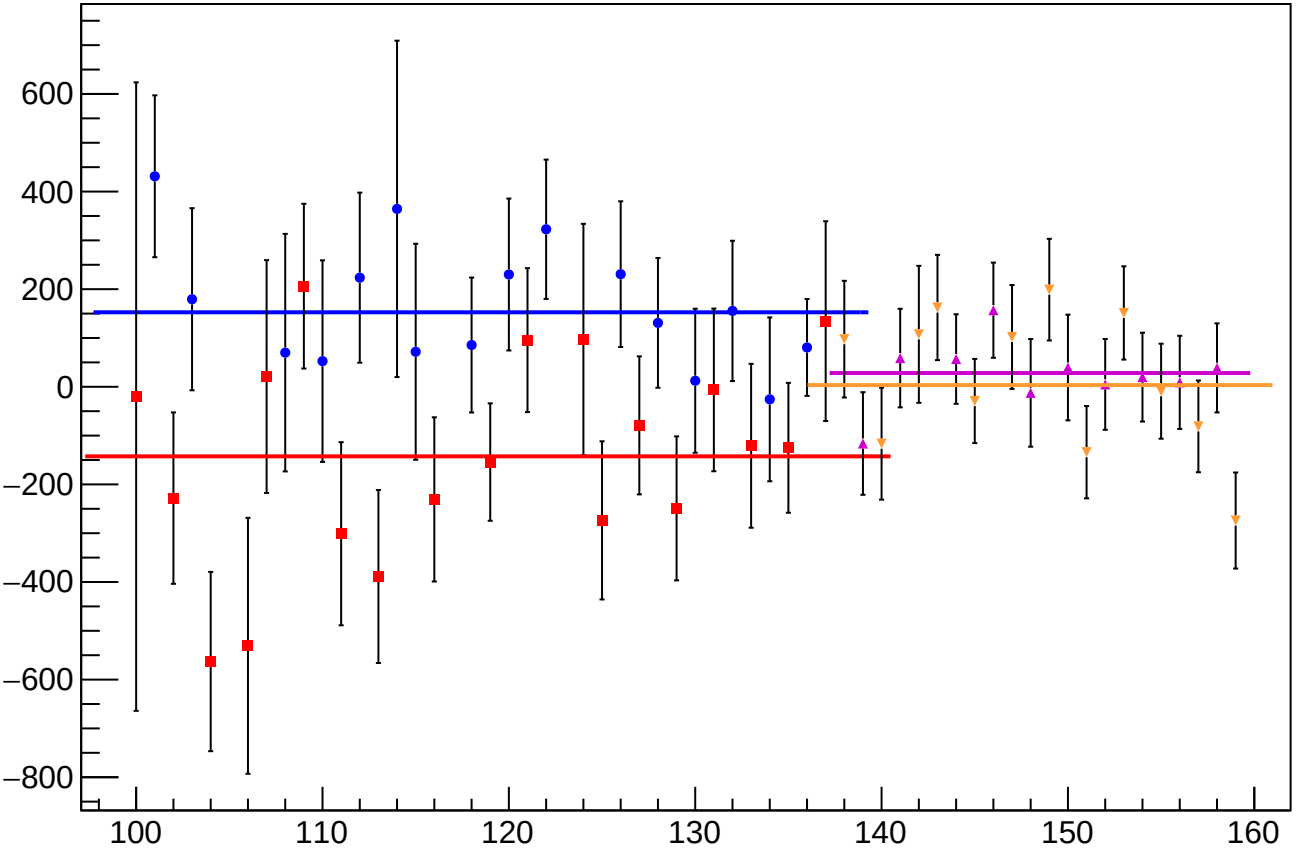
Left In: 964.345+/-0.233 χ^2/NDF:293990.5/9

+ sign 1065.186+/-0.192 χ^2/NDF: 2350566.3/27

All: 1085.124+/-0.139 χ^2/NDF: 4702055.5/56

- sign 1107.383+/-0.202 χ^2/NDF: 2328570.8/28

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

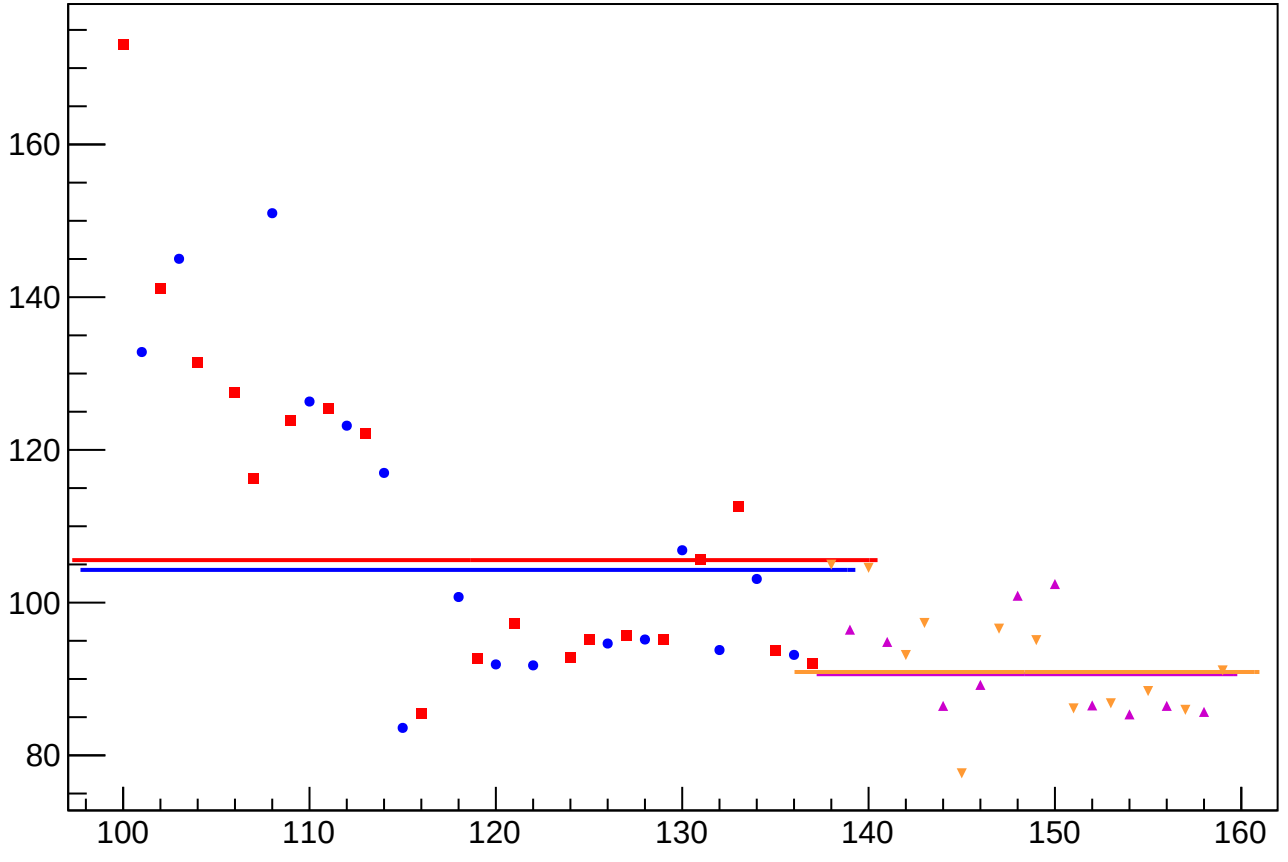
Left In: 28.157+/-30.920 χ^2/NDF:4.1/9

+ sign 57.239+/-23.678 χ^2/NDF: 40.0/27

All: 11.356+/-16.962 χ^2/NDF: 86.4/56

- sign -37.007+/-24.310 χ^2/NDF: 38.6/28

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

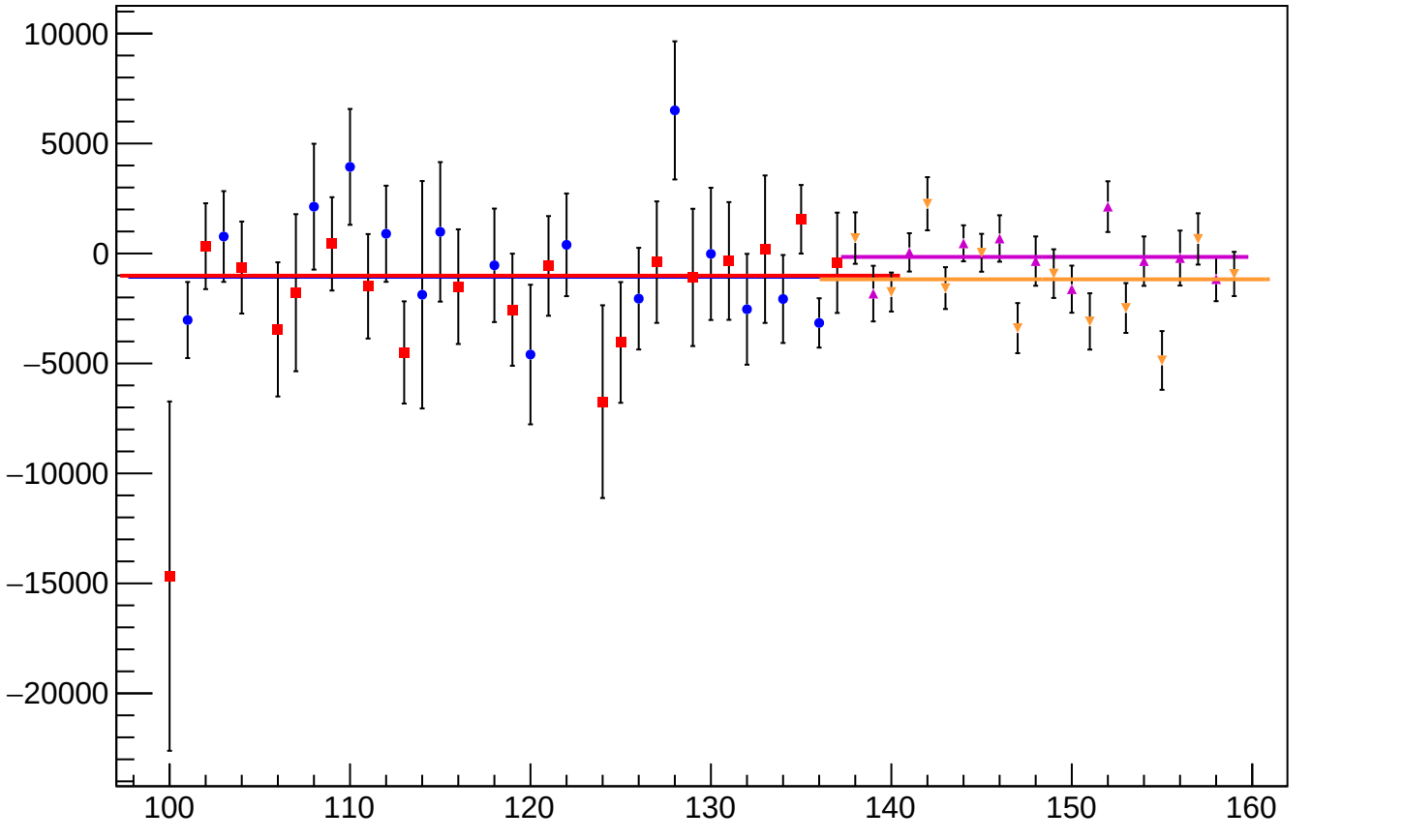
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.627+/-0.022 χ^2/NDF:75485.1/9

+ sign 95.733+/-0.017 χ^2/NDF: 660644.2/27

All: 96.025+/-0.012 χ^2/NDF: 1259675.9/56

- sign 96.332+/-0.017 χ^2/NDF: 598409.7/28



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1174.119+/-310.013 χ^2/NDF:30.8/11

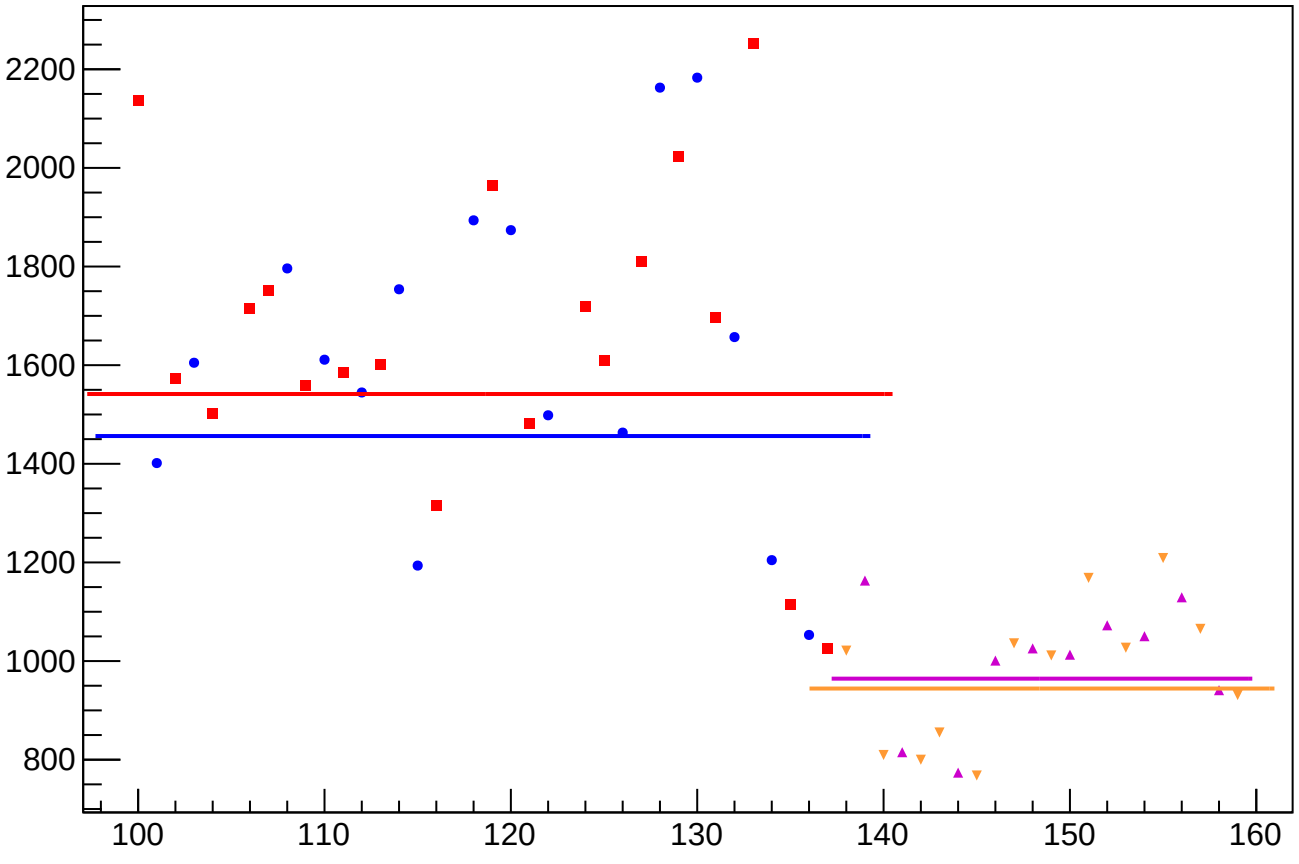
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -156.992+/-330.106 χ^2/NDF:9.9/9

+ sign -1147.023+/-270.956 χ^2/NDF: 50.9/27

All: -779.110+/-196.794 χ^2/NDF: 79.6/56

- sign -368.364+/-286.295 χ^2/NDF: 24.8/28



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

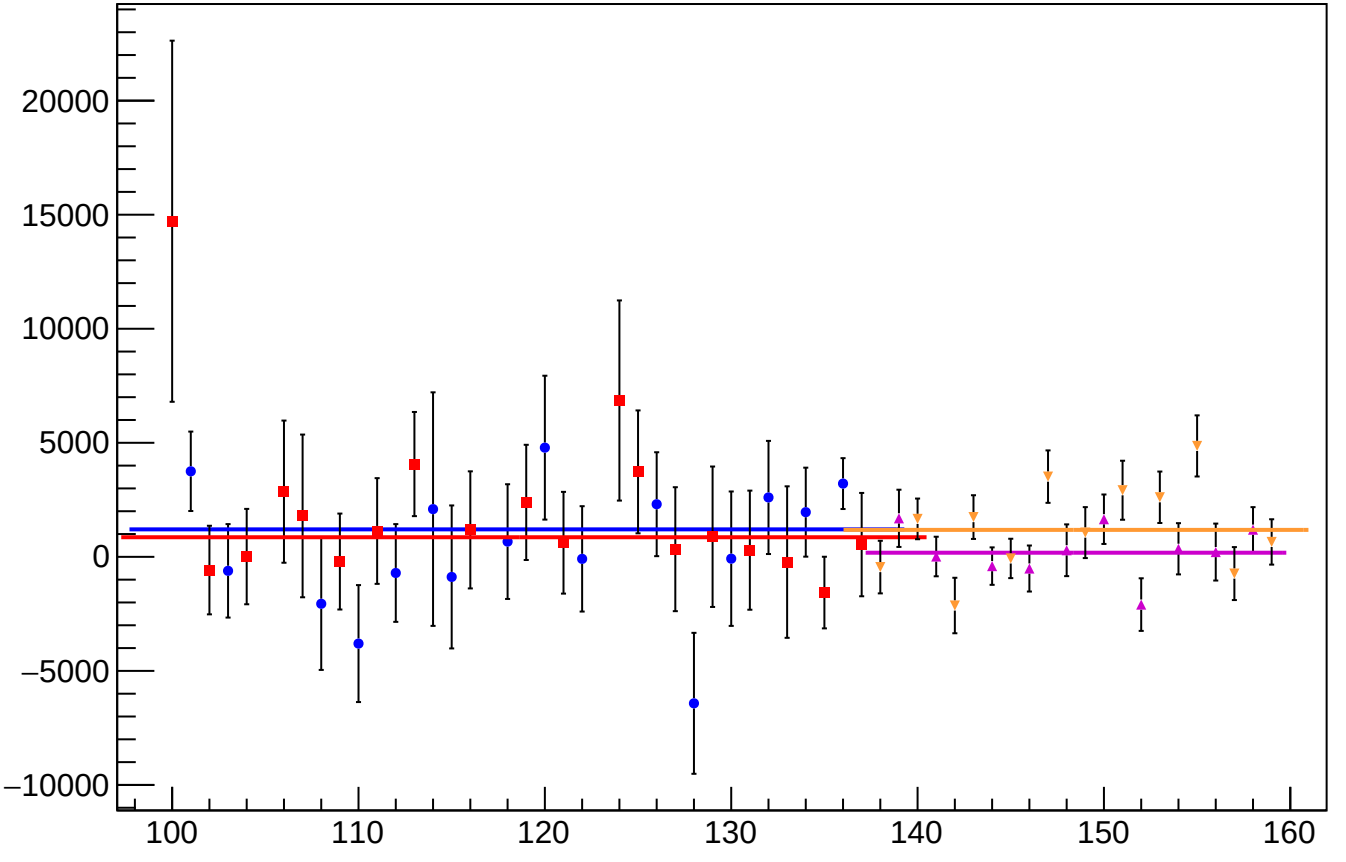
Left In: 964.344+/-0.233 χ^2/NDF:293991.5/9

+ sign 1065.185+/-0.192 χ^2/NDF: 2350563.0/27

All: 1085.123+/-0.139 χ^2/NDF: 4702047.0/56

- sign 1107.382+/-0.202 χ^2/NDF: 2328565.3/28

asym_sam_24_68_dd_mean vs Slug



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

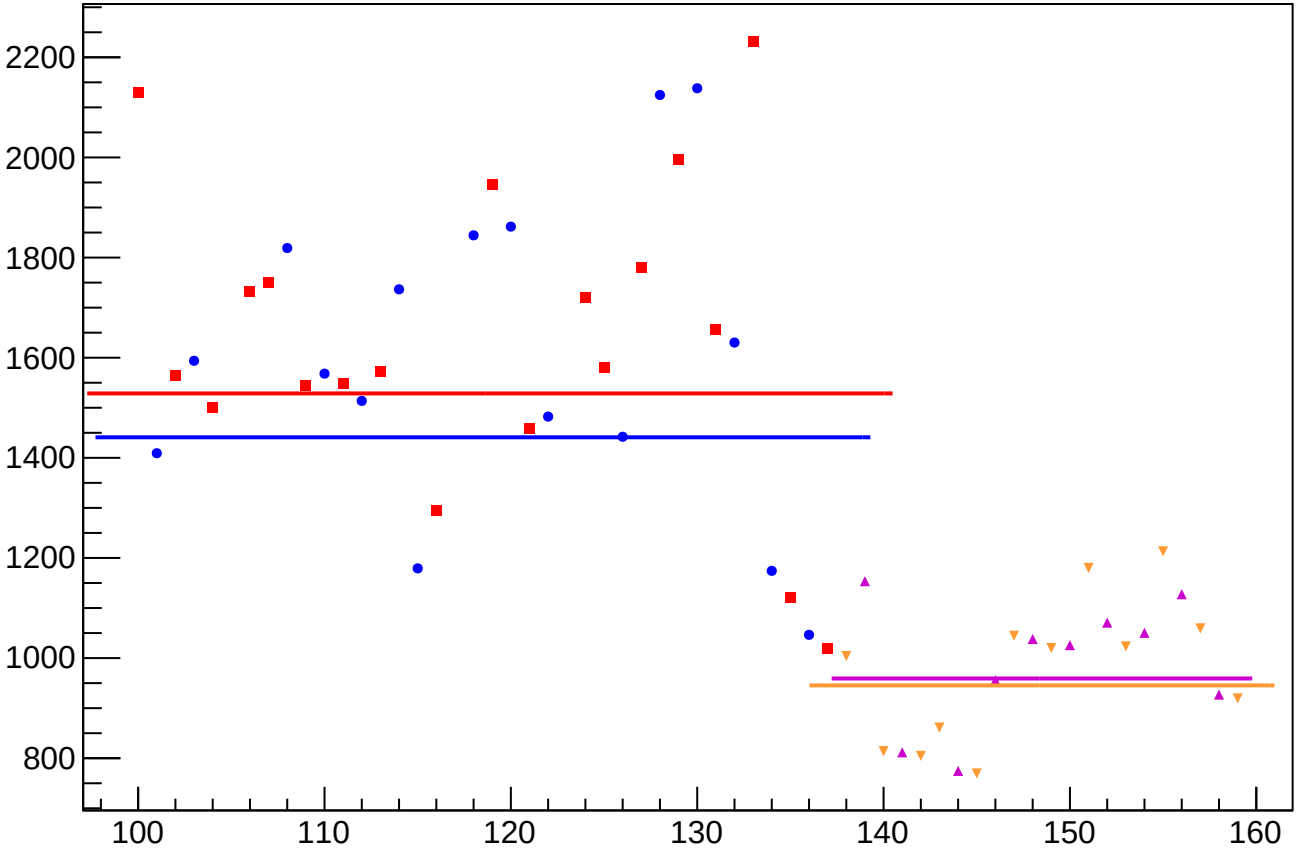
Left In: 180.857+/-328.465 χ^2/NDF:9.3/9

+ sign 1187.319+/-270.615 χ^2/NDF: 51.4/27

All: 789.708+/-196.125 χ^2/NDF: 78.8/56

- sign 349.808+/-284.643 χ^2/NDF: 22.8/28

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

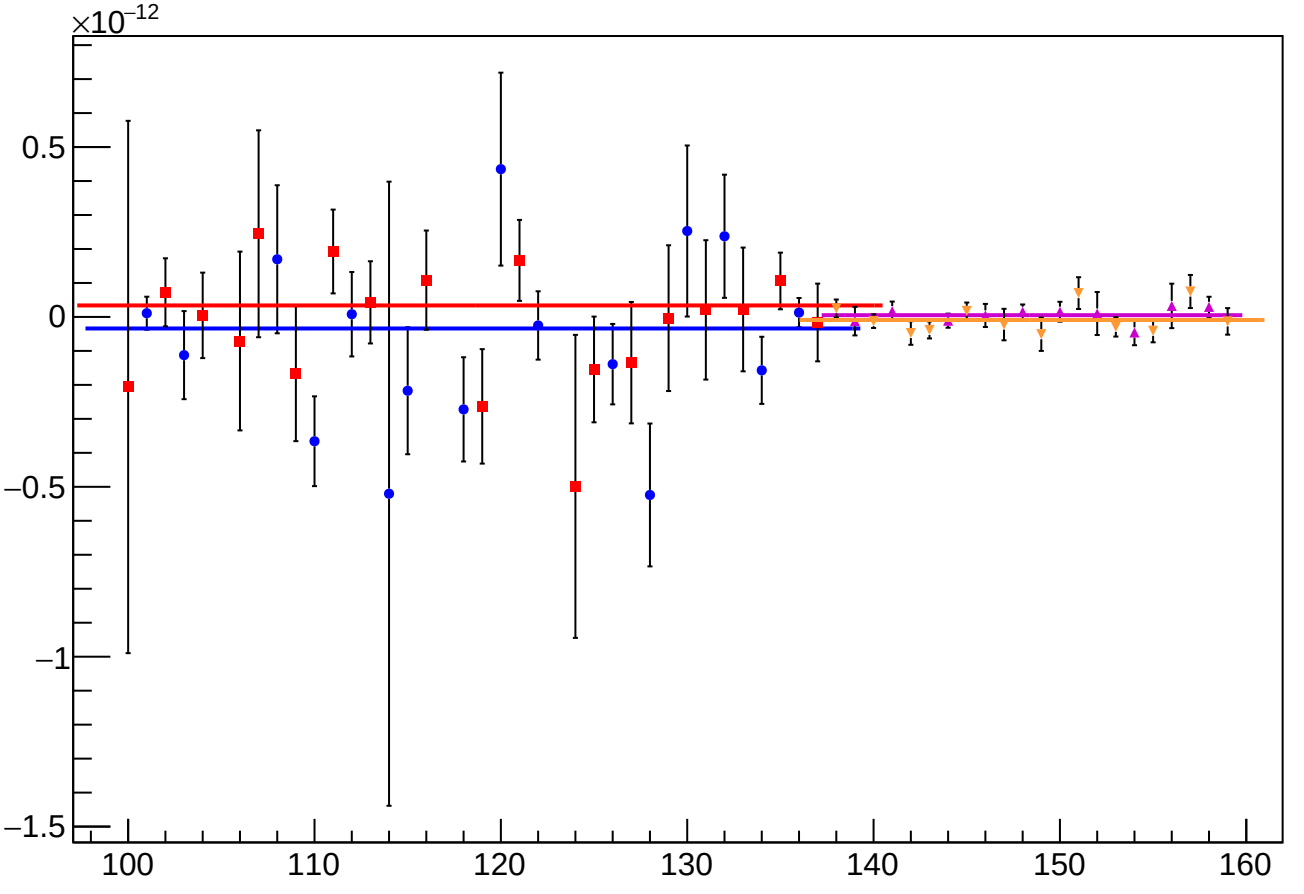
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 959.242+/-0.232 χ^2/NDF:294570.2/9

+ sign 1064.680+/-0.191 χ^2/NDF: 2269599.7/27

All: 1081.943+/-0.139 χ^2/NDF: 4579803.3/56

- sign 1101.043+/-0.201 χ^2/NDF: 2293059.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/11

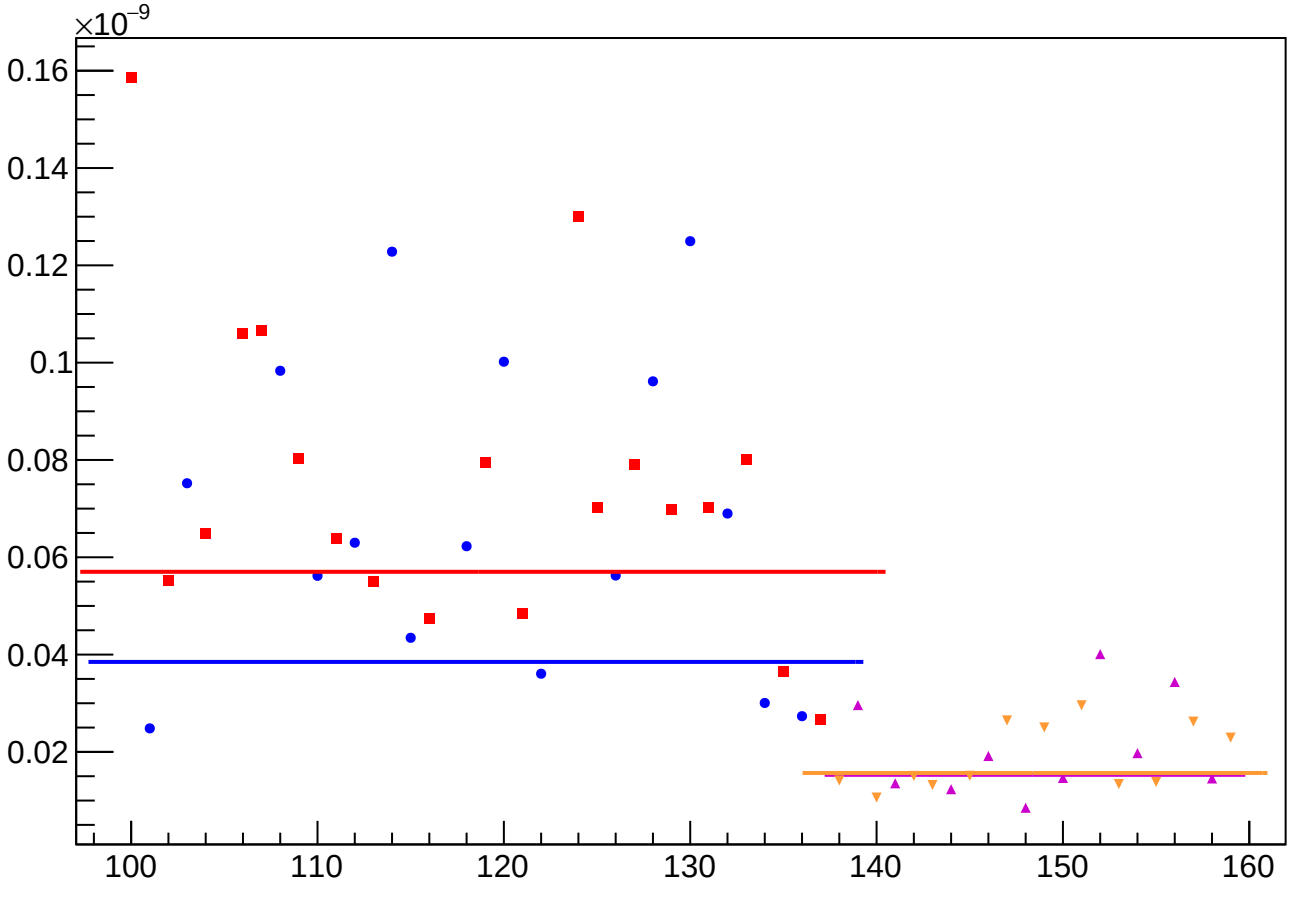
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/27

All: -0.000+/-0.000 χ^2/NDF: 61.7/56

- sign 0.000+/-0.000 χ^2/NDF: 17.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:693105.6/11

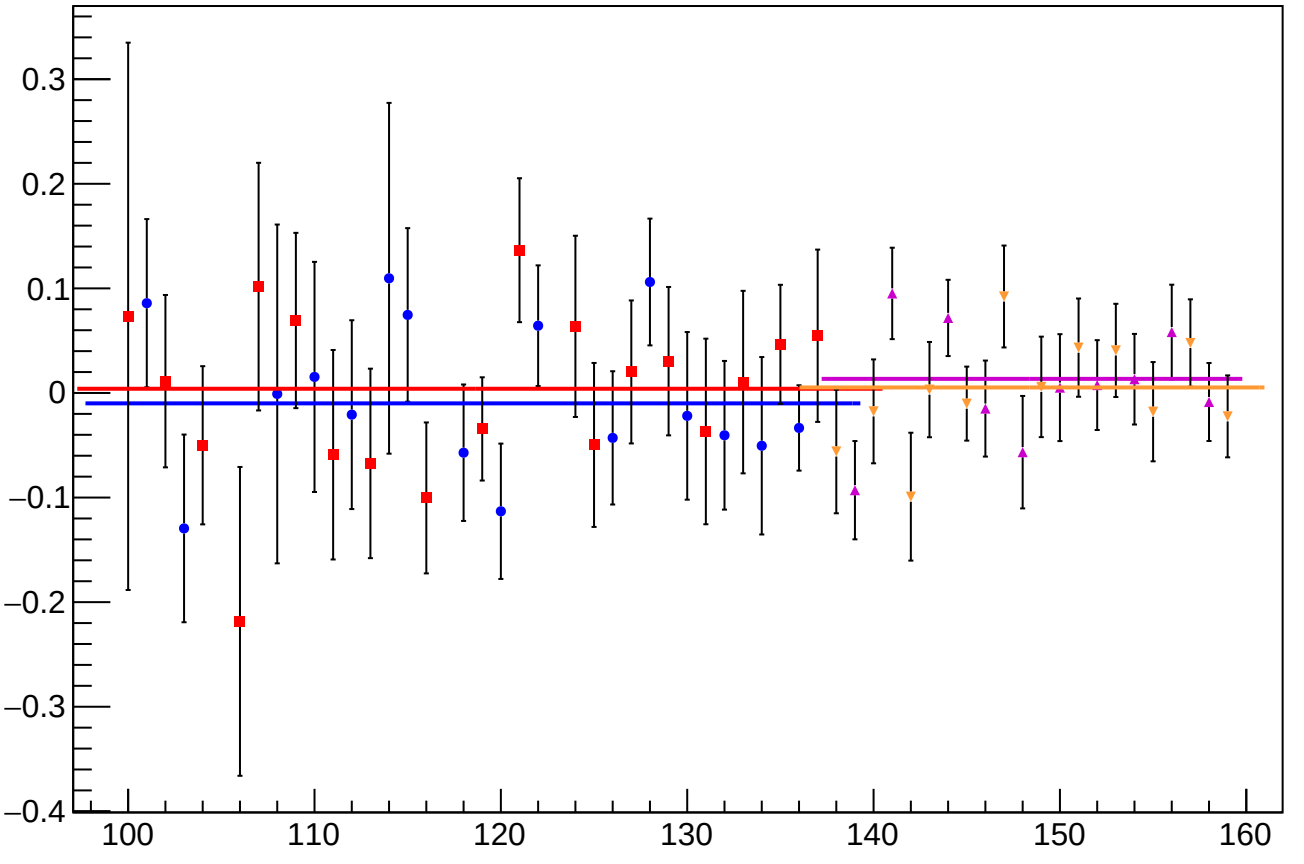
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1013013.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 3548097.9/27

All: 0.000+/-0.000 χ^2/NDF: 8040325.2/56

- sign 0.000+/-0.000 χ^2/NDF: 4491729.2/28



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

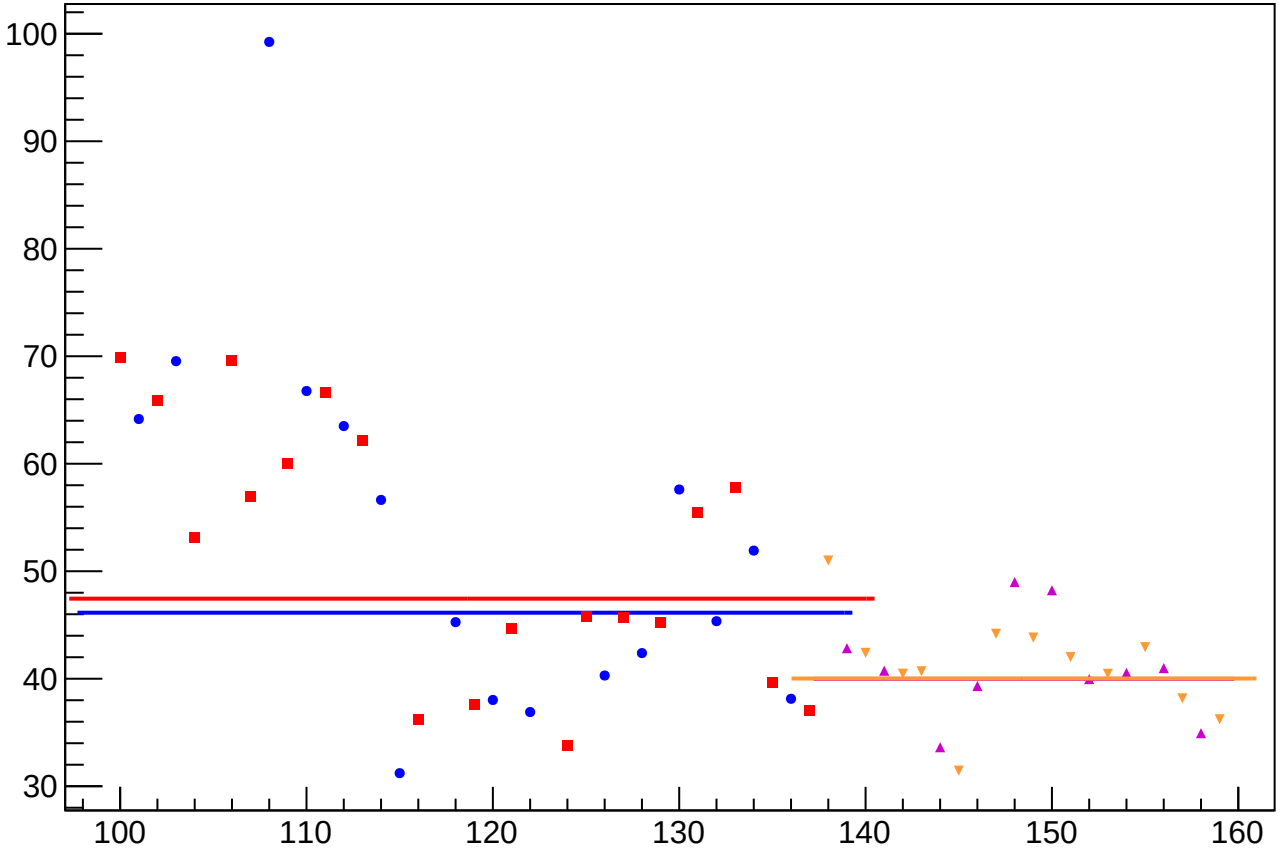
Left In: 0.013+/-0.014 χ^2/NDF:14.6/9

+ sign -0.000+/-0.011 χ^2/NDF: 25.3/27

All: 0.005+/-0.008 χ^2/NDF: 54.4/56

- sign 0.010+/-0.011 χ^2/NDF: 28.7/28

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

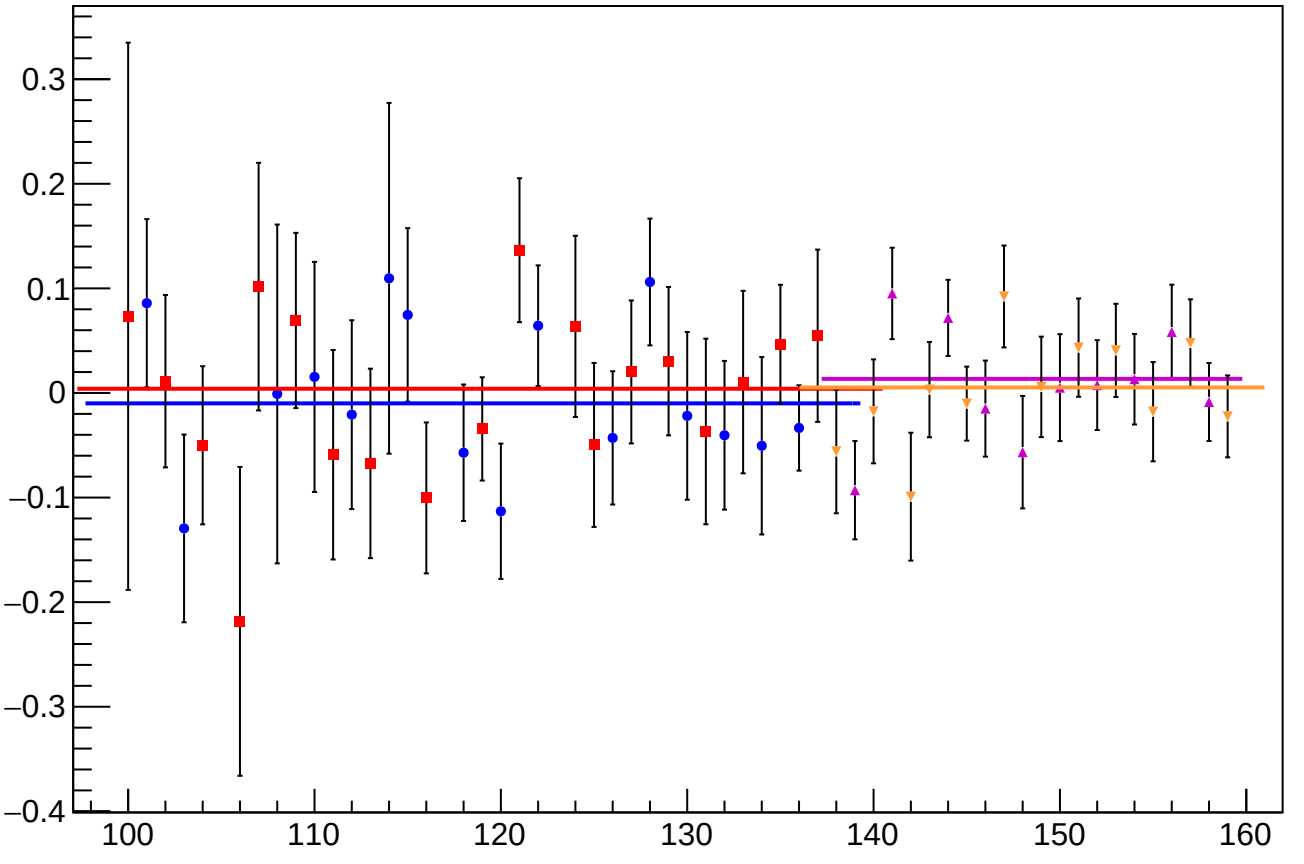
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.988+/-0.010 χ^2/NDF:215495.8/9

\+ sign 42.166+/-0.008 χ^2/NDF: 1306255.8/27

All: 42.446+/-0.005 χ^2/NDF: 2393821.8/56

\- sign 42.744+/-0.008 χ^2/NDF: 1084715.4/28



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:10.6/11

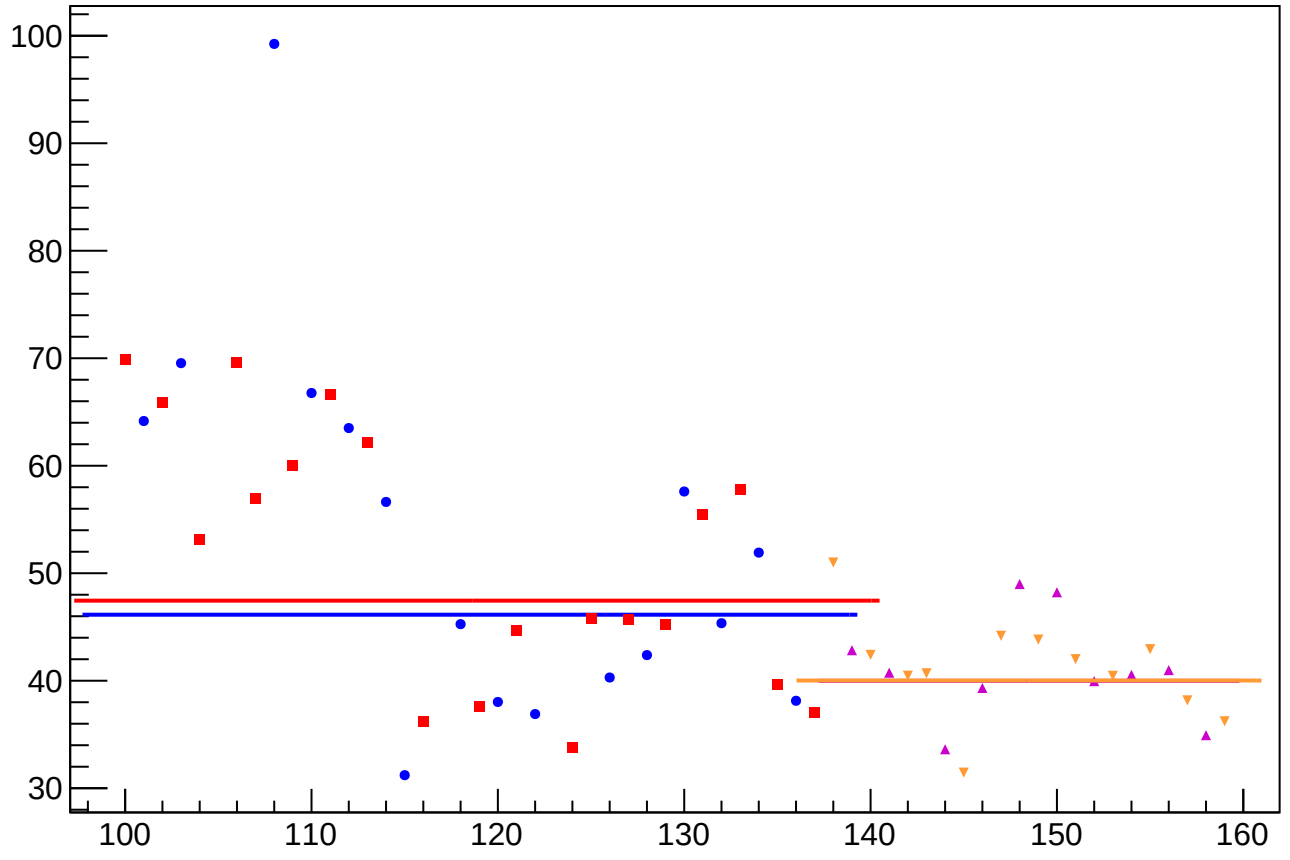
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.014 χ^2/NDF:14.6/9

+ sign -0.000+/-0.011 χ^2/NDF: 25.3/27

All: 0.005+/-0.008 χ^2/NDF: 54.4/56

- sign 0.010+/-0.011 χ^2/NDF: 28.7/28



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.020+/-0.009 χ^2/NDF:252635.1/11

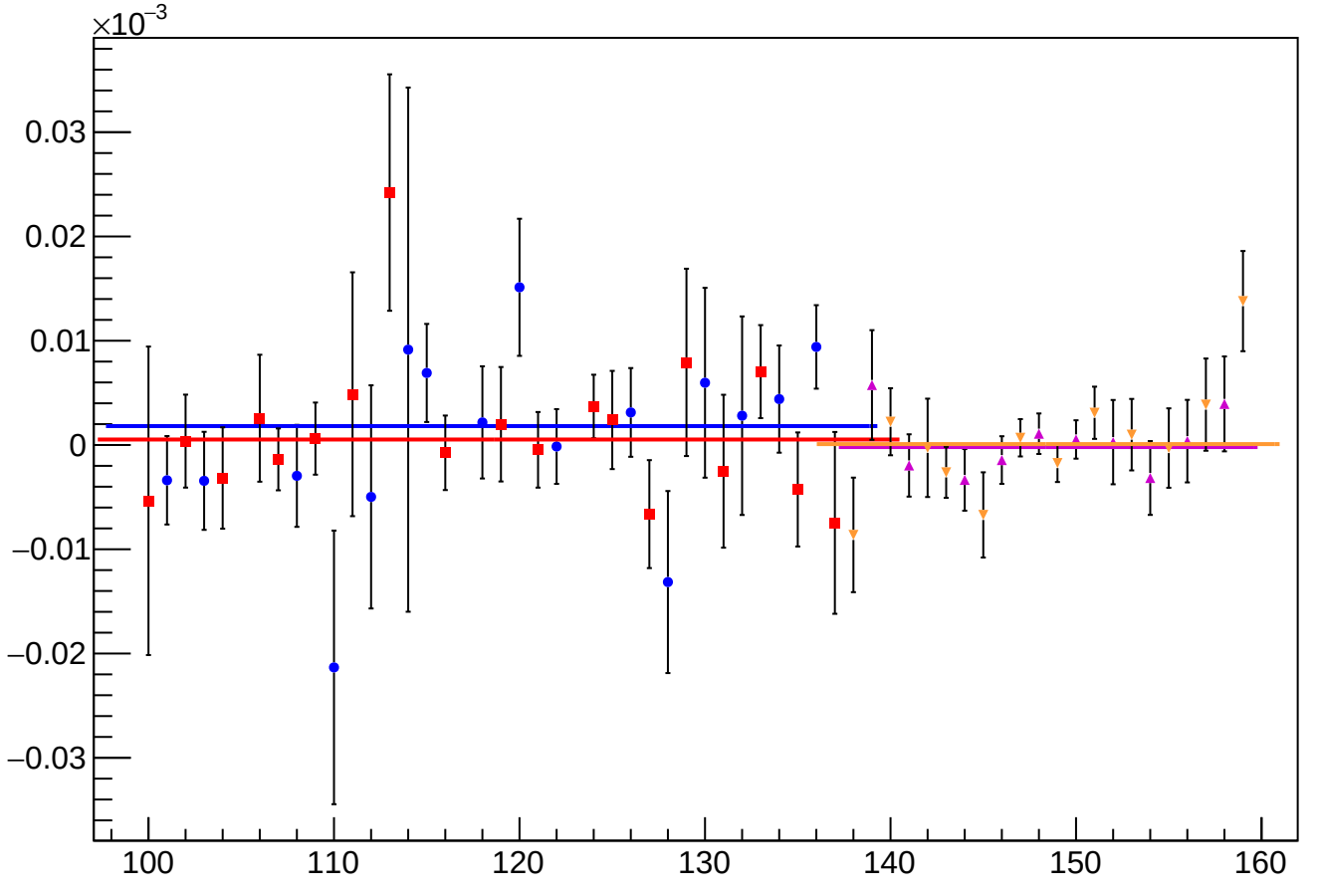
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.988+/-0.010 χ^2/NDF:215495.8/9

+ sign 42.166+/-0.008 χ^2/NDF: 1306255.8/27

All: 42.446+/-0.005 χ^2/NDF: 2393821.8/56

- sign 42.744+/-0.008 χ^2/NDF: 1084715.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/11

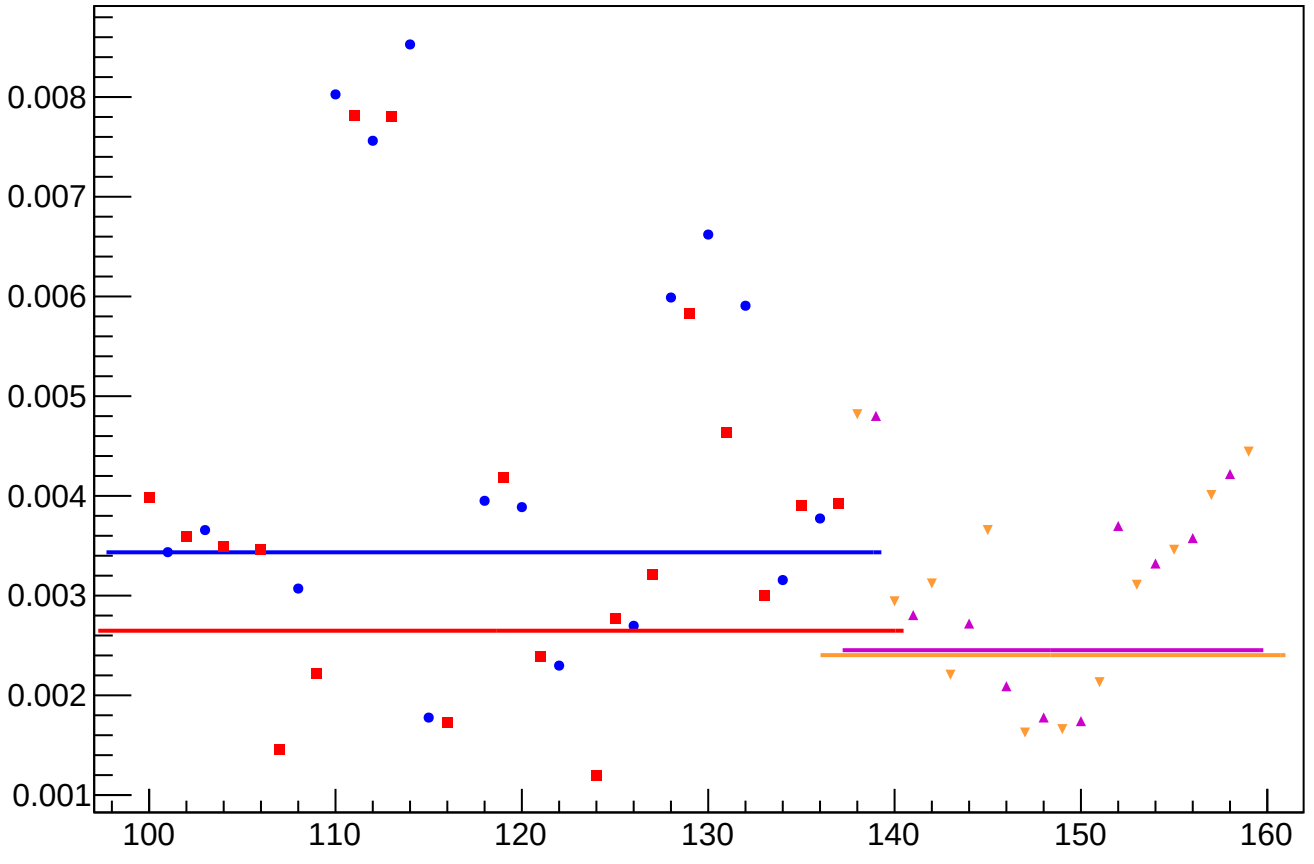
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 39.6/27

All: 0.000+/-0.000 χ^2/NDF: 59.1/56

- sign 0.000+/-0.000 χ^2/NDF: 19.3/28



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2287913.4/11

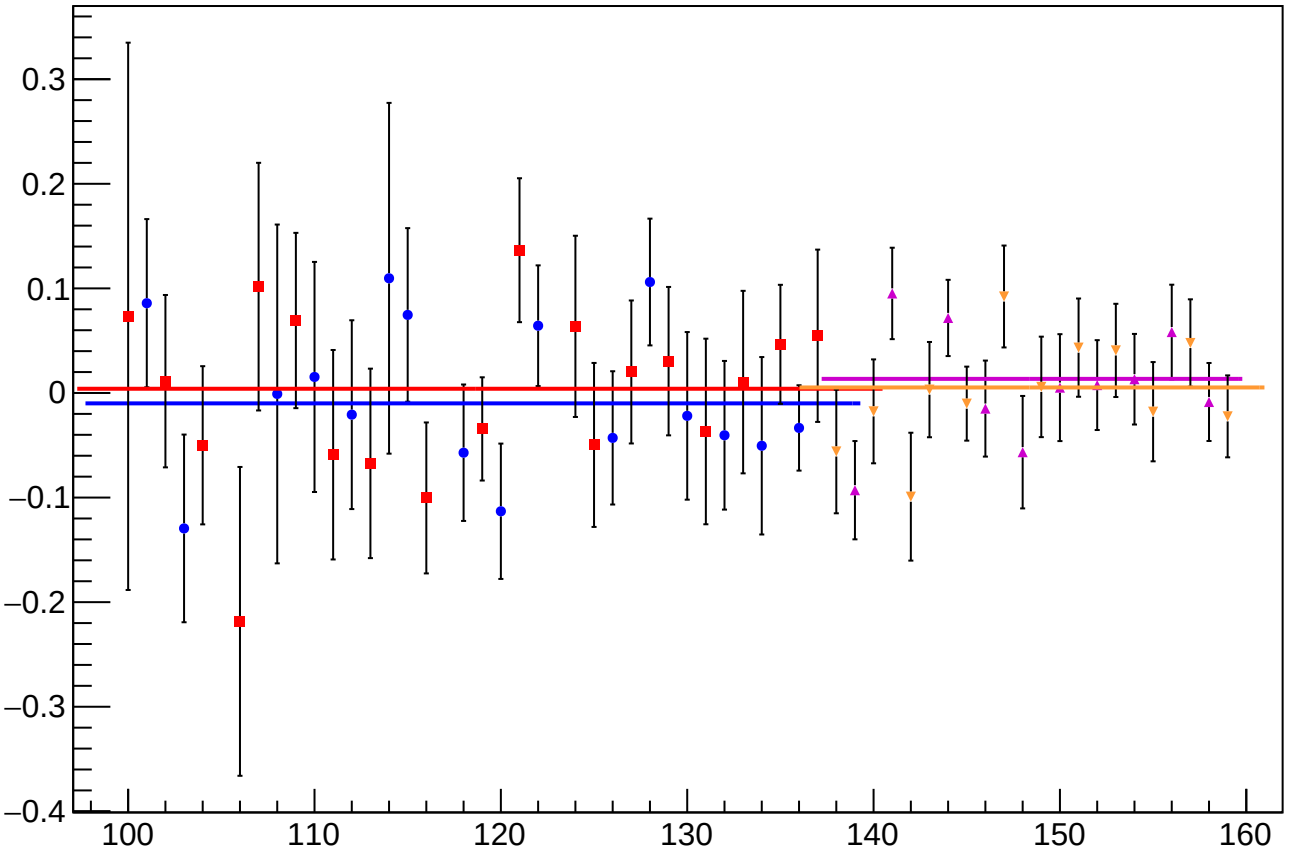
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1805714.0/9

\+ sign 0.003+/-0.000 χ^2/NDF: 4859281.5/27

All: 0.003+/-0.000 χ^2/NDF: 9447547.4/56

\- sign 0.003+/-0.000 χ^2/NDF: 4541159.1/28



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:10.6/11

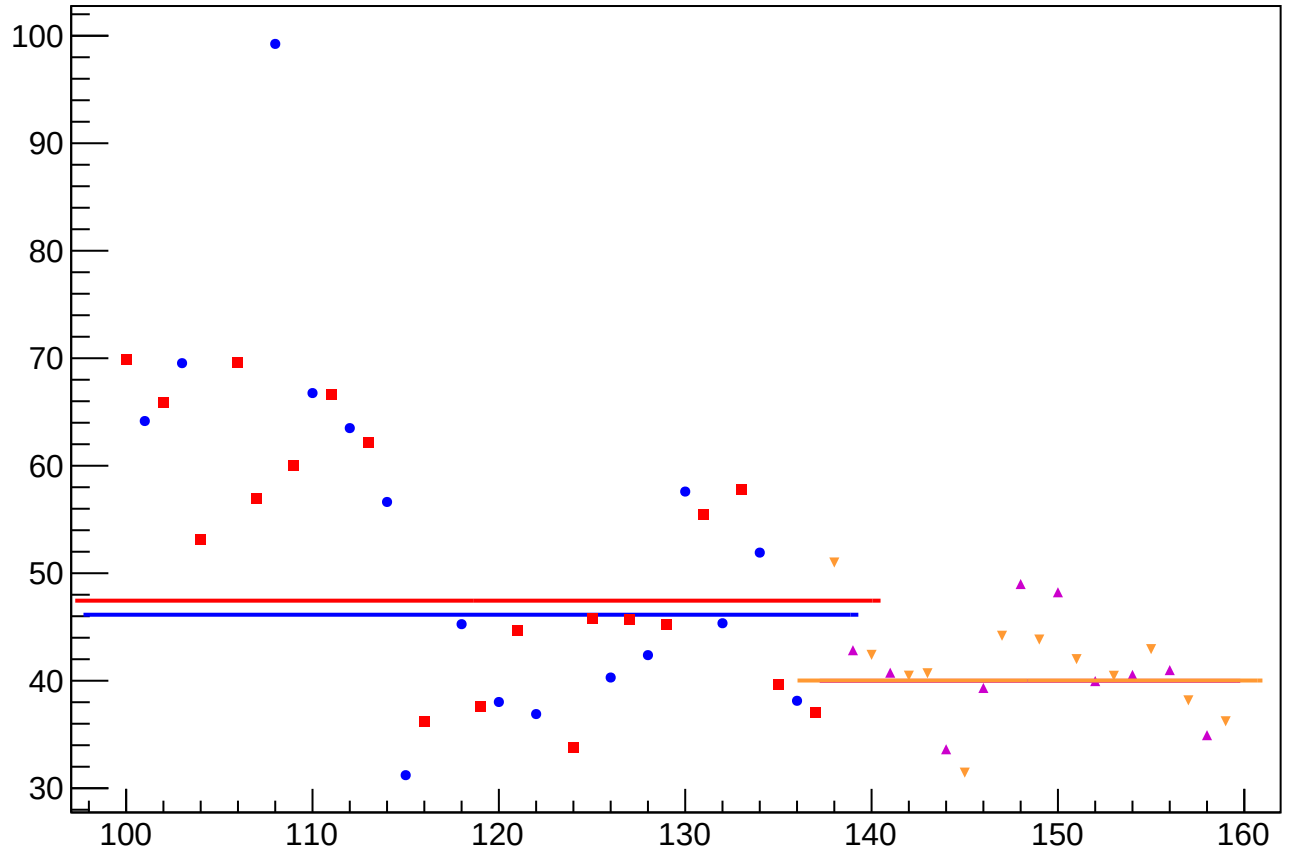
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.014 χ^2/NDF:14.6/9

+ sign -0.000+/-0.011 χ^2/NDF: 25.3/27

All: 0.005+/-0.008 χ^2/NDF: 54.4/56

- sign 0.010+/-0.011 χ^2/NDF: 28.7/28



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.020+/-0.009 χ^2/NDF:252646.2/11

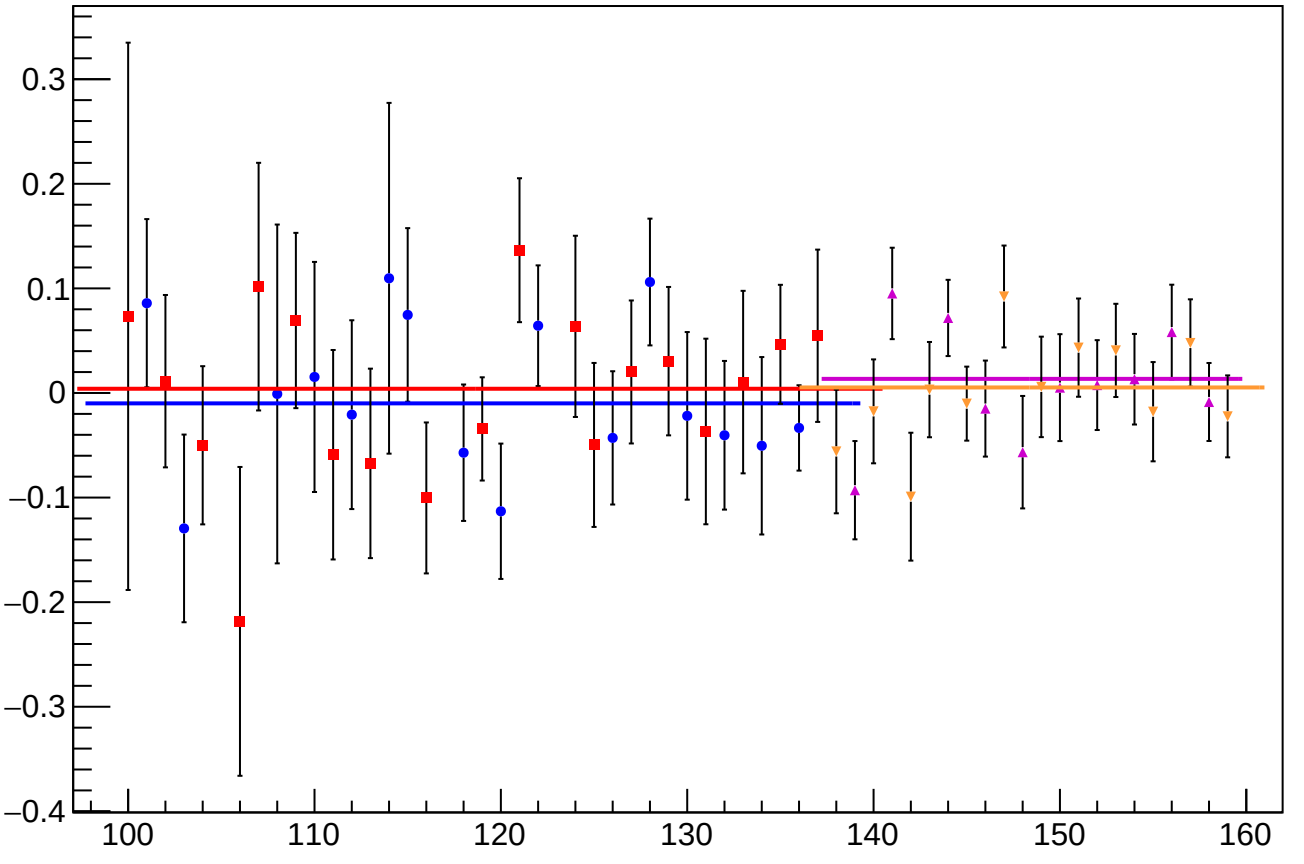
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.988+/-0.010 χ^2/NDF:215518.6/9

+ sign 42.166+/-0.008 χ^2/NDF: 1306155.5/27

All: 42.446+/-0.005 χ^2/NDF: 2393677.8/56

- sign 42.744+/-0.008 χ^2/NDF: 1084672.6/28



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:10.6/11

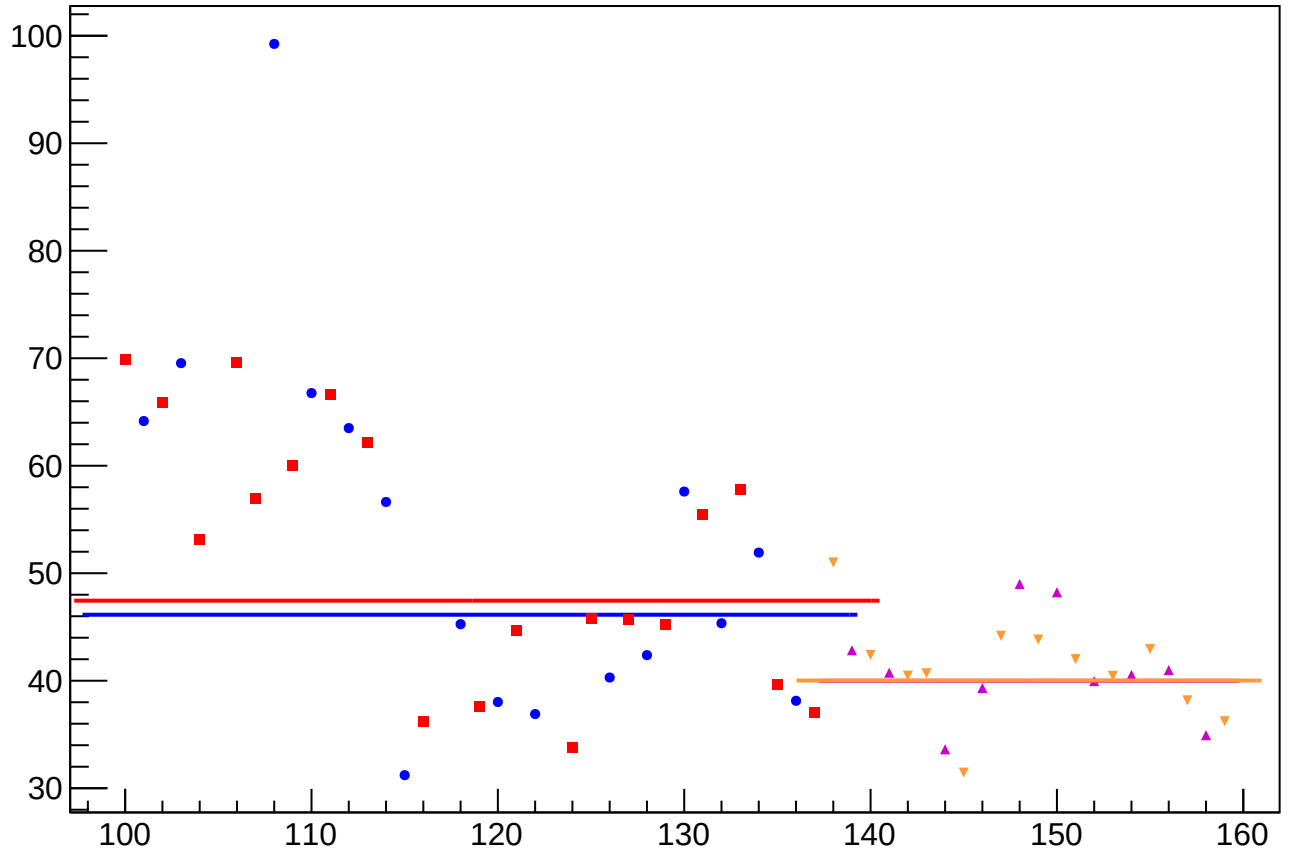
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.014 χ^2/NDF:14.6/9

+ sign -0.000+/-0.011 χ^2/NDF: 25.3/27

All: 0.005+/-0.008 χ^2/NDF: 54.4/56

- sign 0.010+/-0.011 χ^2/NDF: 28.7/28



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.020+/-0.009 χ^2/NDF:252646.2/11

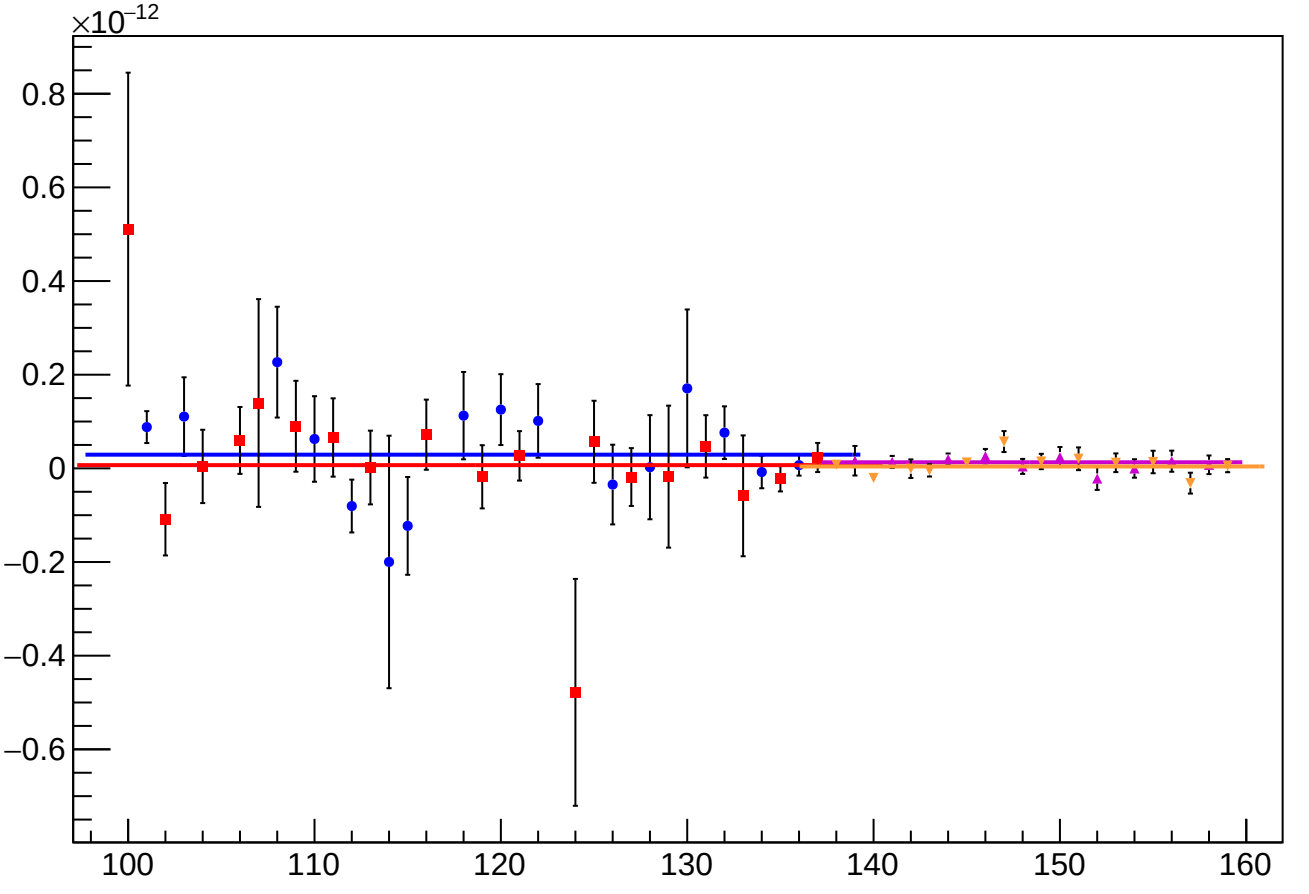
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.988+/-0.010 χ^2/NDF:215518.6/9

+ sign 42.166+/-0.008 χ^2/NDF: 1306155.5/27

All: 42.446+/-0.005 χ^2/NDF: 2393677.8/56

- sign 42.744+/-0.008 χ^2/NDF: 1084672.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/11

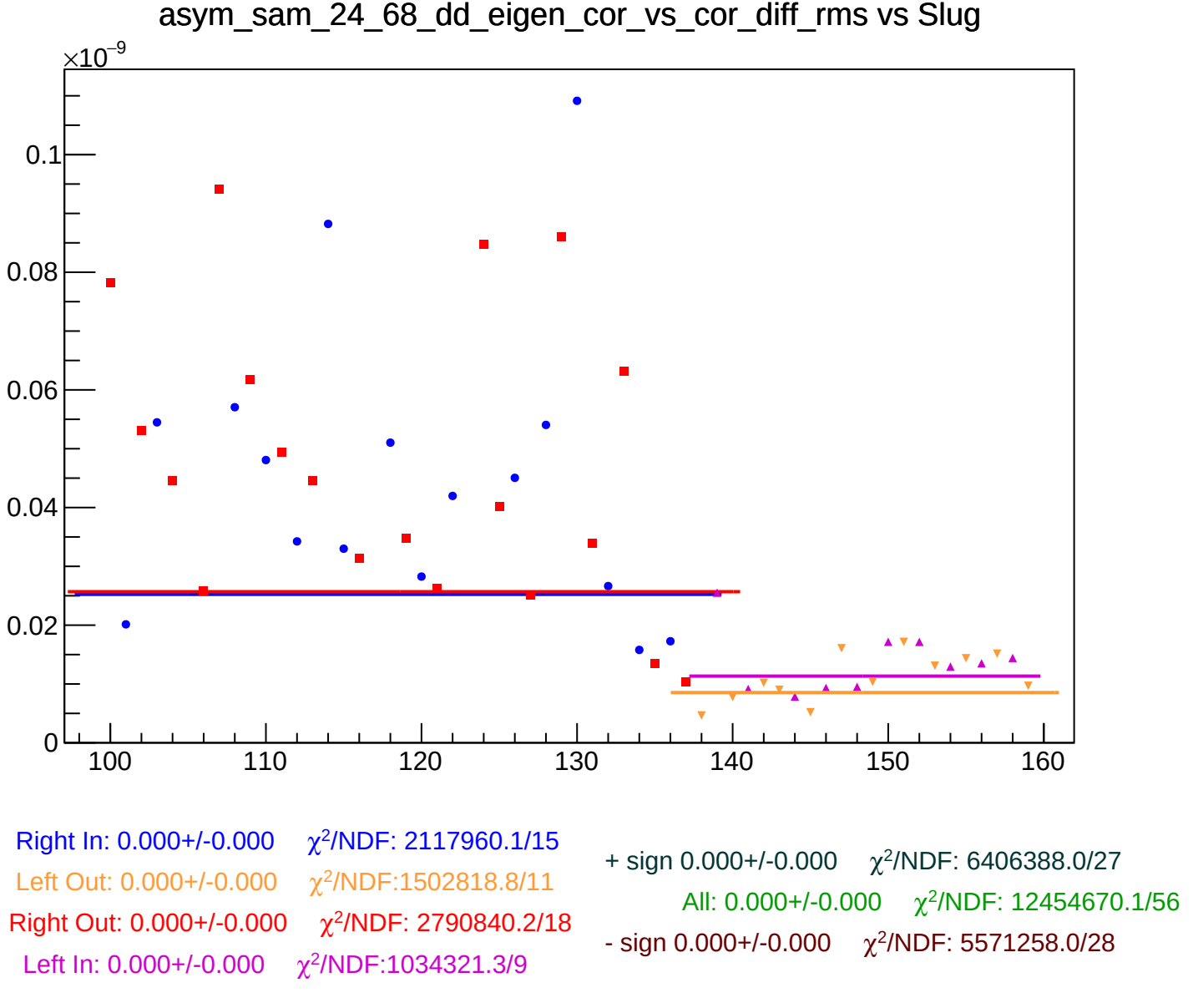
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/9

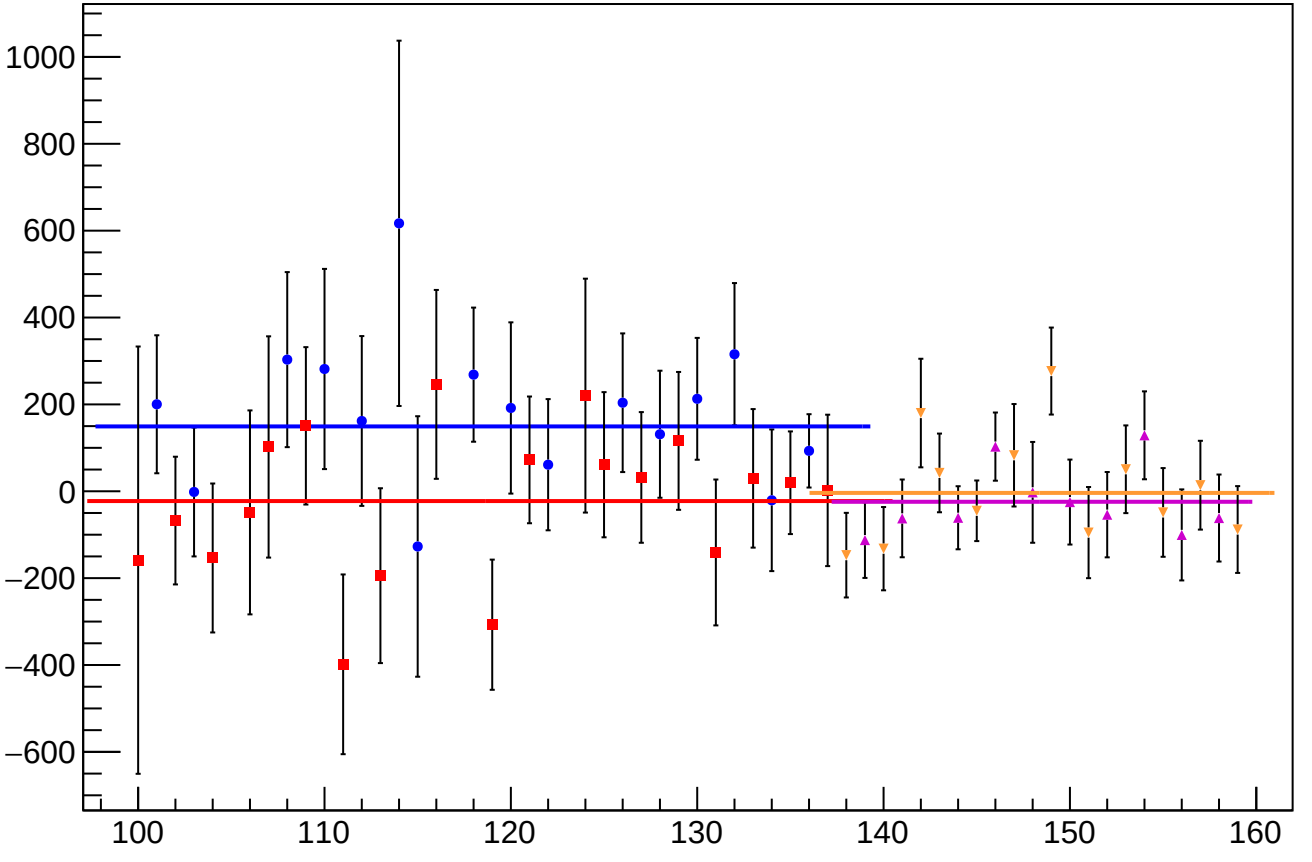
+ sign 0.000+/-0.000 χ^2/NDF: 40.2/27

All: 0.000+/-0.000 χ^2/NDF: 59.6/56

- sign 0.000+/-0.000 χ^2/NDF: 18.6/28


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2117960.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1502818.8/11
Right Out: 0.000+/-0.000 χ²/NDF: 2790840.2/18
Left In: 0.000+/-0.000 χ²/NDF:1034321.3/9
+ sign 0.000+/-0.000 χ²/NDF: 6406388.0/27
All: 0.000+/-0.000 χ²/NDF: 12454670.1/56
- sign 0.000+/-0.000 χ²/NDF: 5571258.0/28

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

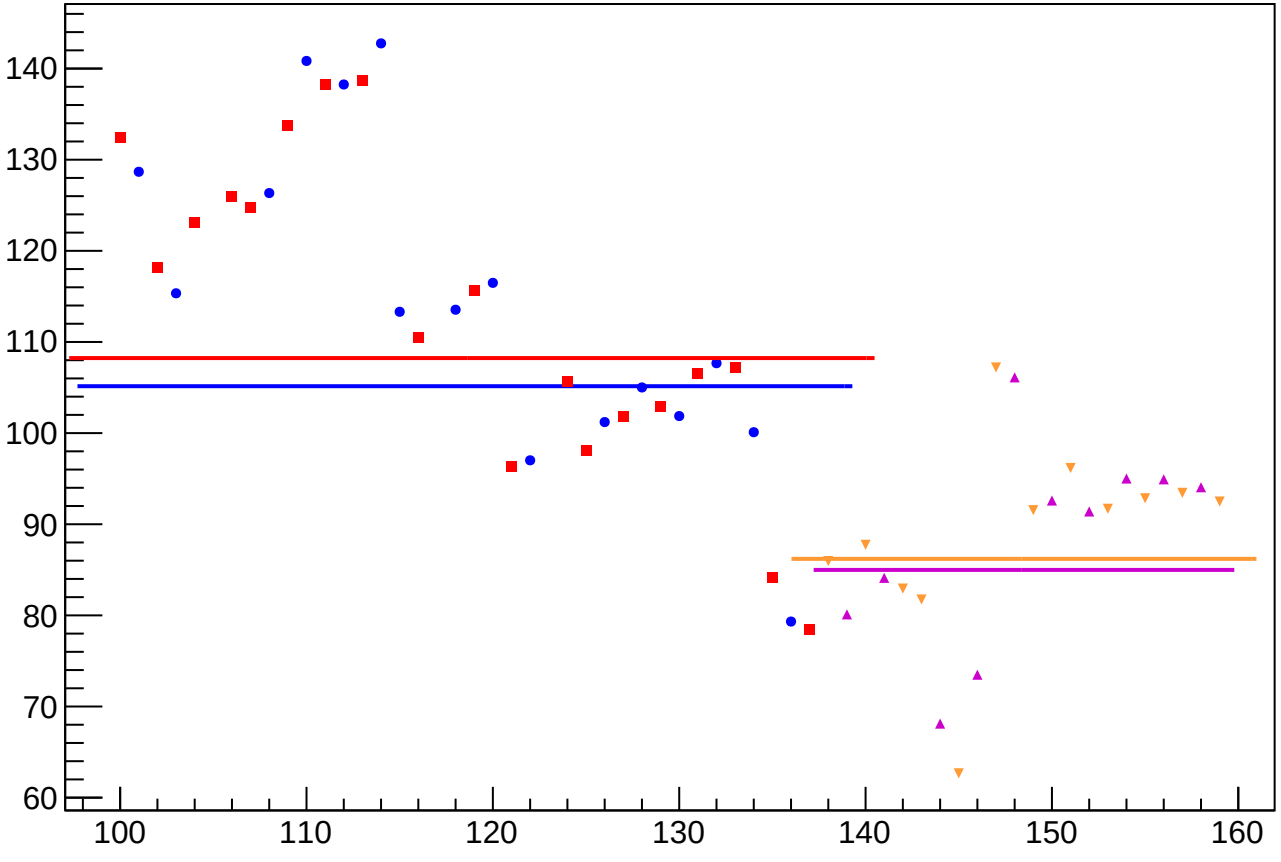
Left In: -24.205+/-29.120 χ^2/NDF:7.2/9

+ sign 47.591+/-22.987 χ^2/NDF: 35.0/27

All: 12.860+/-16.454 χ^2/NDF: 61.1/56

- sign -23.633+/-23.563 χ^2/NDF: 21.4/28

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

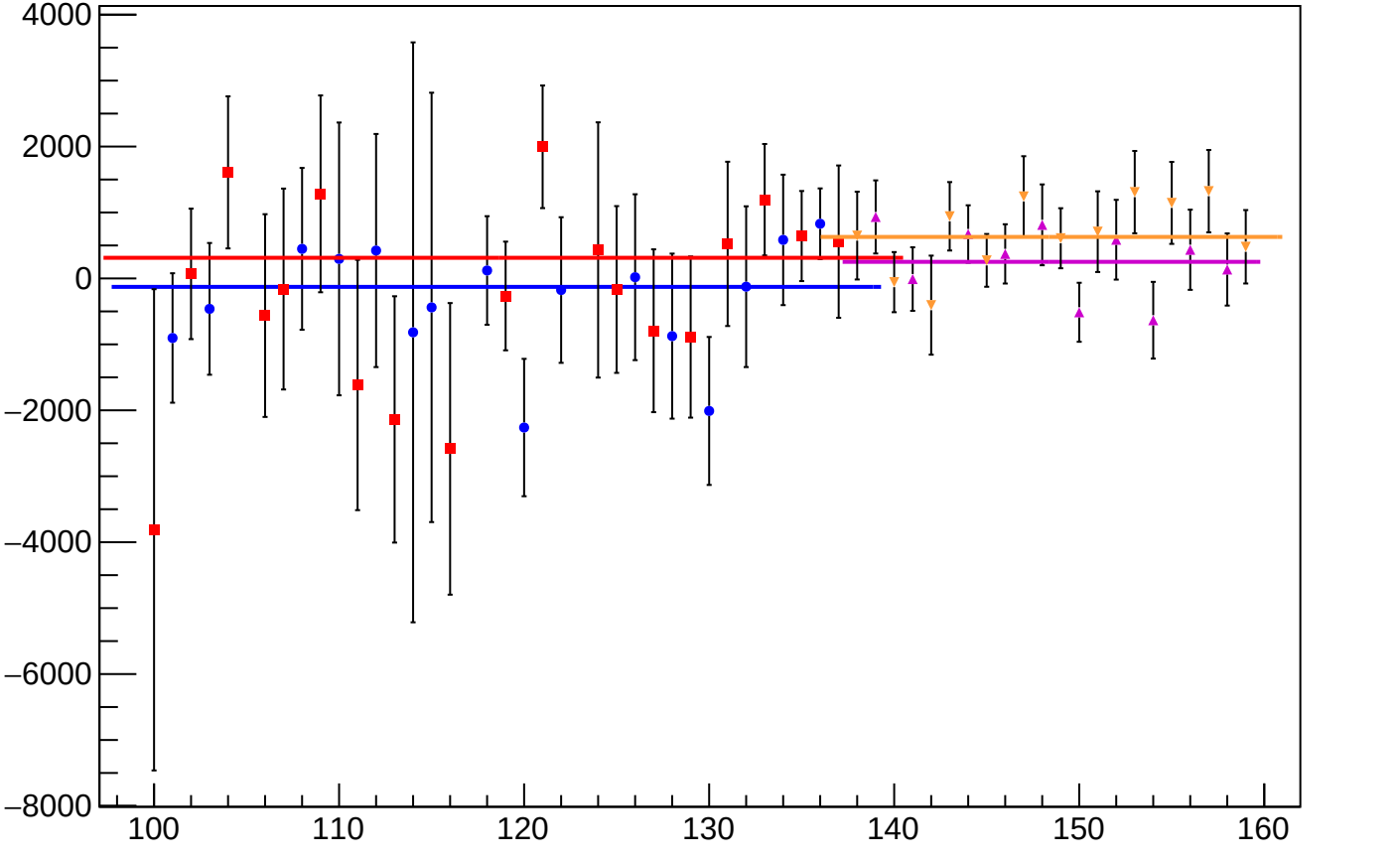
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.7/9

+ sign 92.558+/-0.016 χ^2/NDF: 1065118.7/27

All: 92.780+/-0.012 χ^2/NDF: 2153650.7/56

- sign 93.014+/-0.017 χ^2/NDF: 1088147.0/28



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 629.452+/-158.276 χ^2/NDF:9.5/11

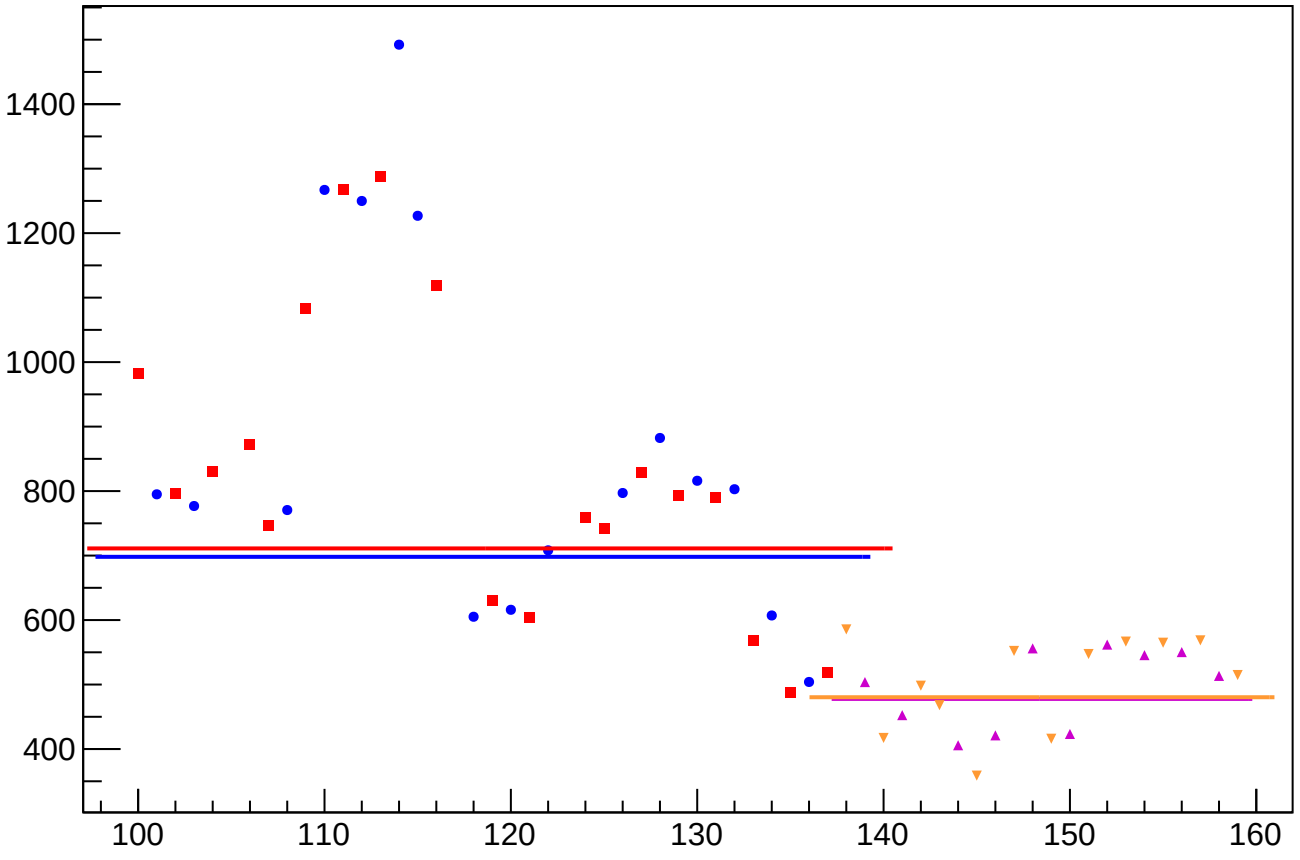
Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: 251.727+/-163.980 χ^2/NDF:9.3/9

+ sign 434.227+/-136.363 χ^2/NDF: 27.7/27

All: 353.518+/-97.743 χ^2/NDF: 52.8/56

- sign 268.234+/-140.175 χ^2/NDF: 24.4/28



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

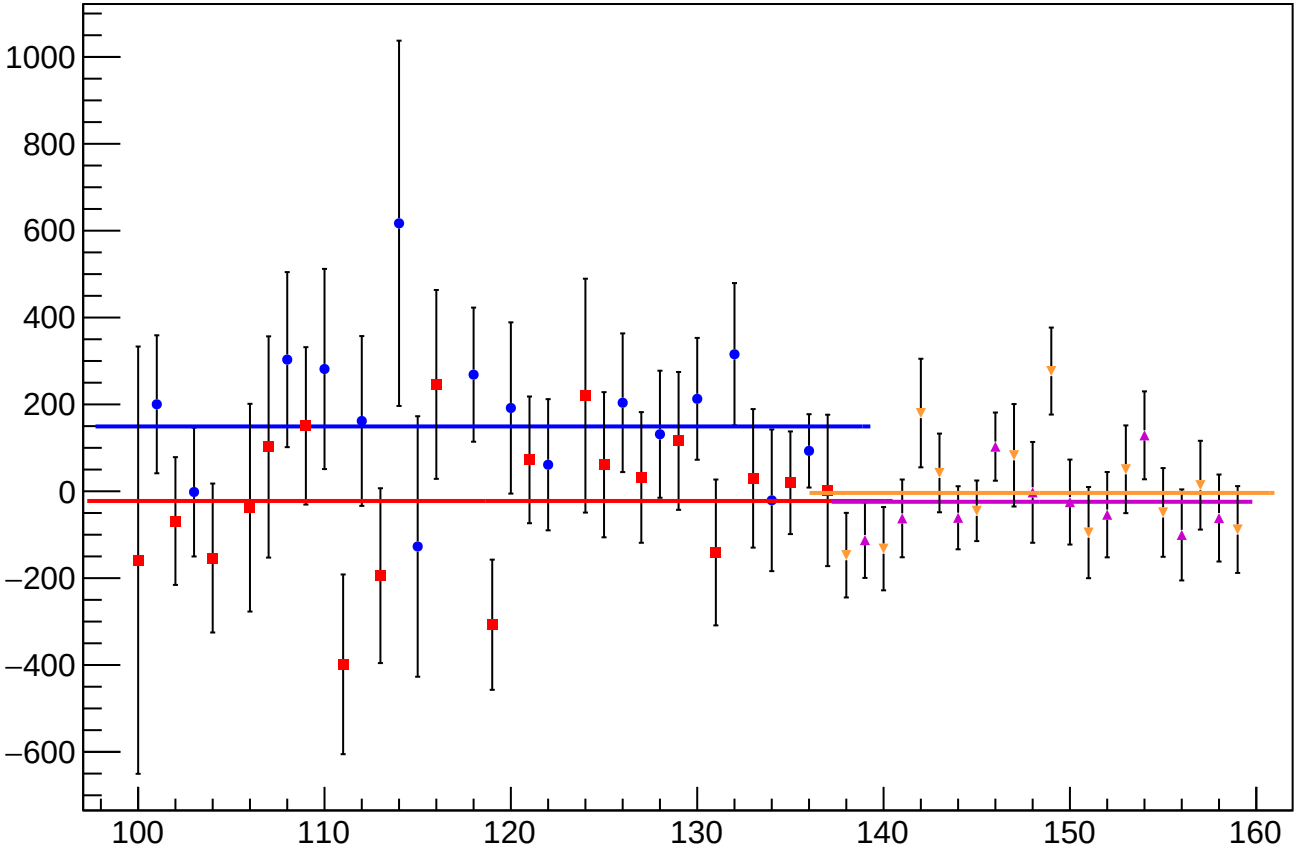
Left In: 477.741+/-0.116 χ^2/NDF:261355.2/9

+ sign 536.428+/-0.096 χ^2/NDF: 2377819.0/27

All: 538.444+/-0.069 χ^2/NDF: 4765733.5/56

- sign 540.574+/-0.099 χ^2/NDF: 2387015.6/28

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

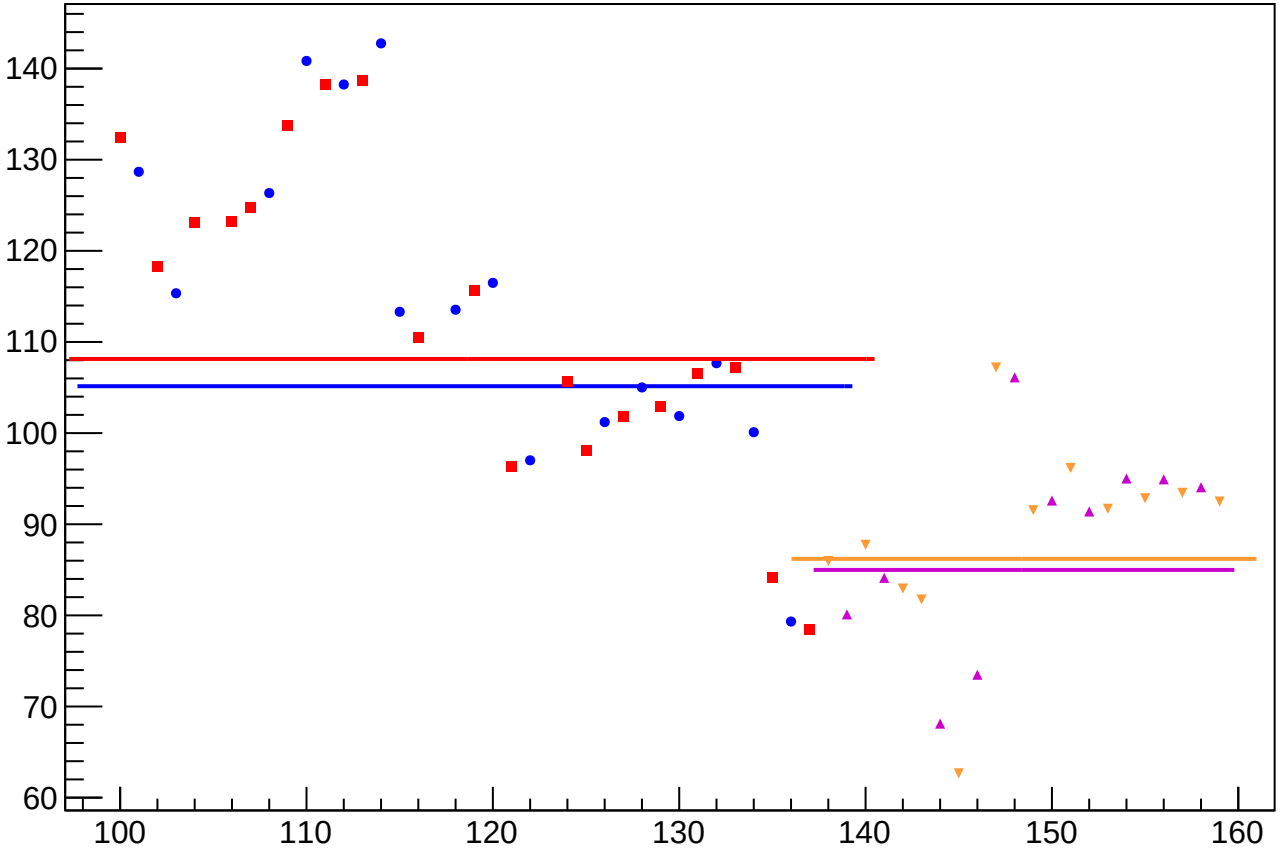
Left In: -24.205+/-29.120 χ^2/NDF:7.2/9

+ sign 47.589+/-22.987 χ^2/NDF: 35.0/27

All: 12.908+/-16.455 χ^2/NDF: 61.0/56

- sign -23.547+/-23.567 χ^2/NDF: 21.4/28

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

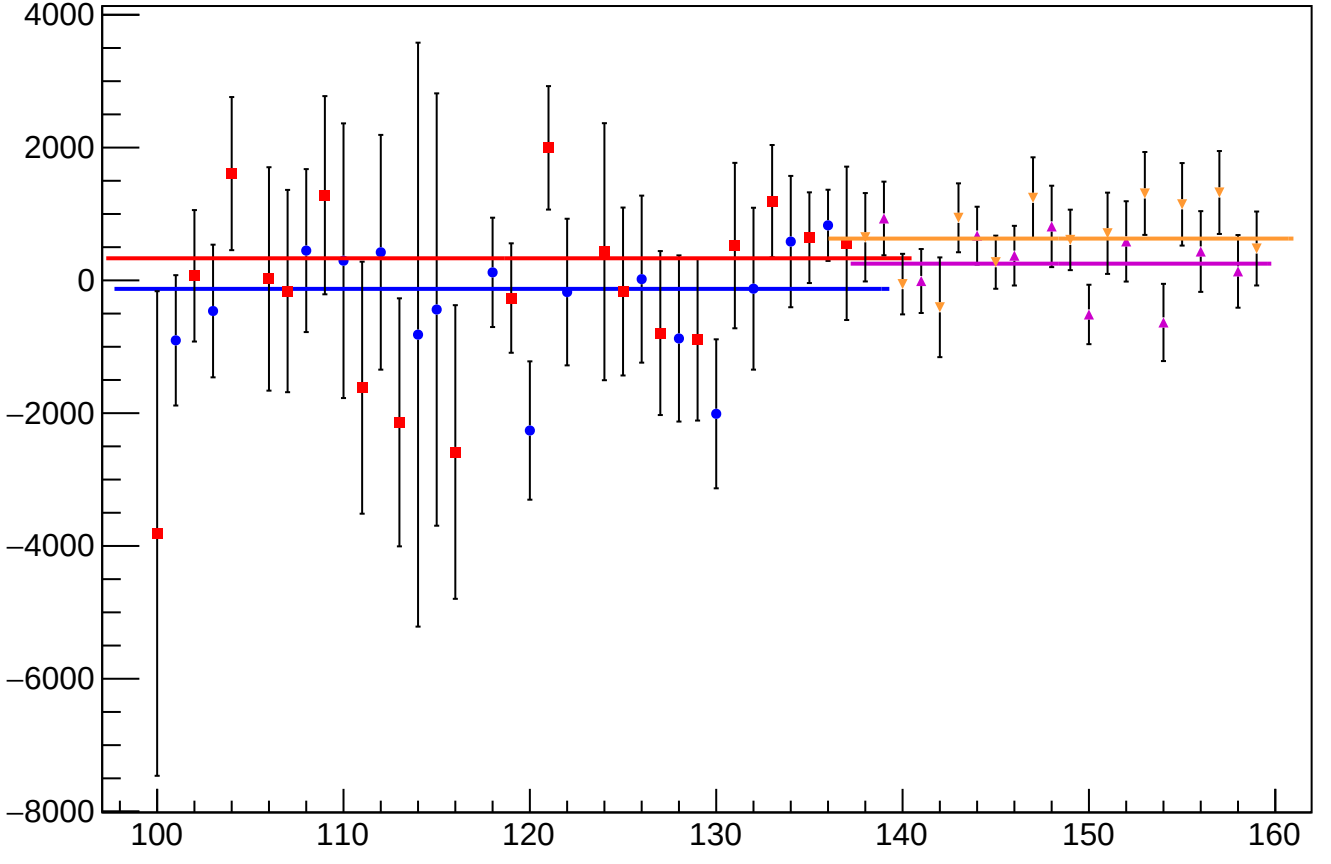
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.8/9

\+ sign 92.558+/-0.016 χ^2/NDF: 1065119.0/27

All: 92.761+/-0.012 χ^2/NDF: 2146017.8/56

\- sign 92.975+/-0.017 χ^2/NDF: 1080576.9/28



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

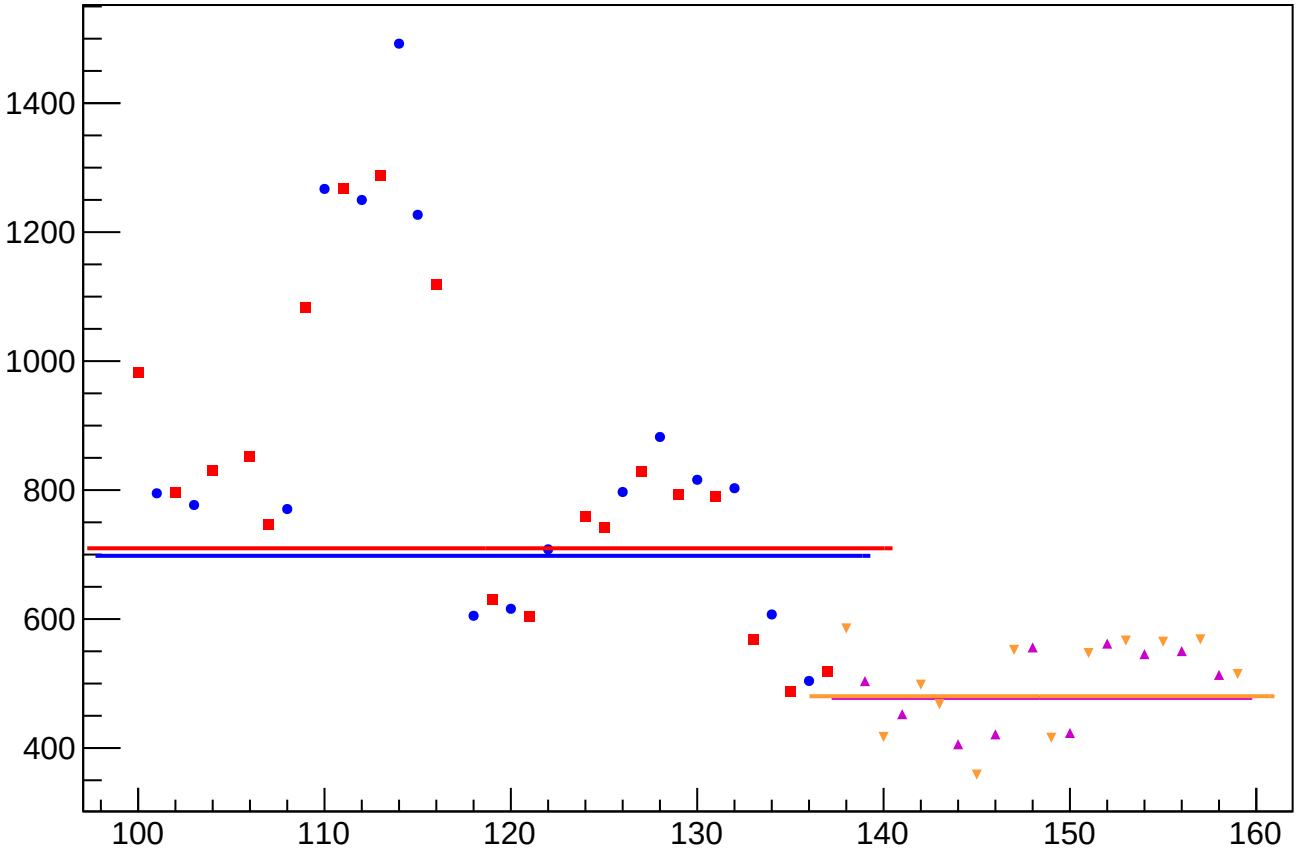
Left In: 251.725+/-163.980 χ^2/NDF:9.3/9

+ sign 434.232+/-136.363 χ^2/NDF: 27.7/27

All: 356.106+/-97.776 χ^2/NDF: 52.5/56

- sign 273.437+/-140.273 χ^2/NDF: 24.1/28

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

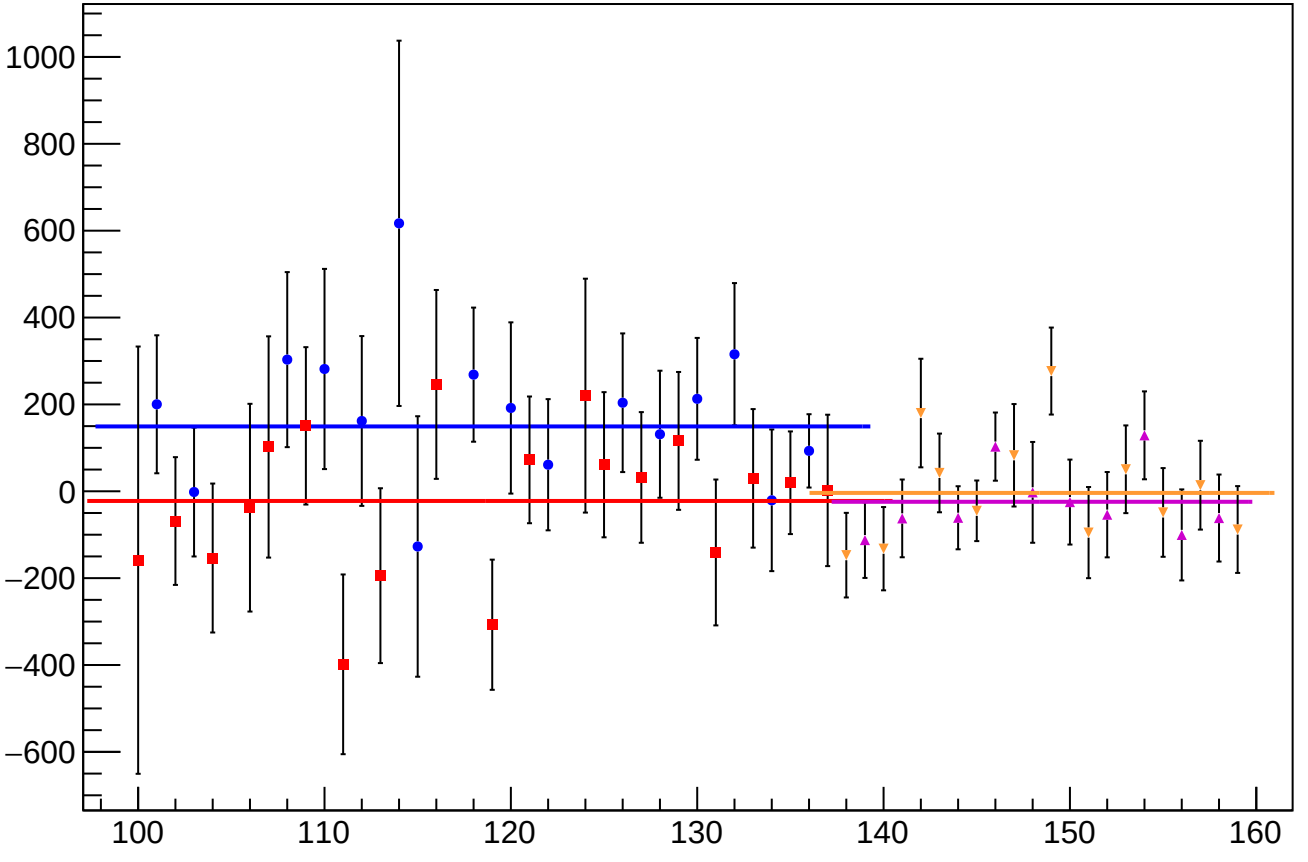
Left In: 477.741+/-0.116 χ^2/NDF:261353.2/9

+ sign 536.428+/-0.096 χ^2/NDF: 2377832.6/27

All: 538.152+/-0.069 χ^2/NDF: 4740917.8/56

- sign 539.976+/-0.099 χ^2/NDF: 2362427.4/28

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

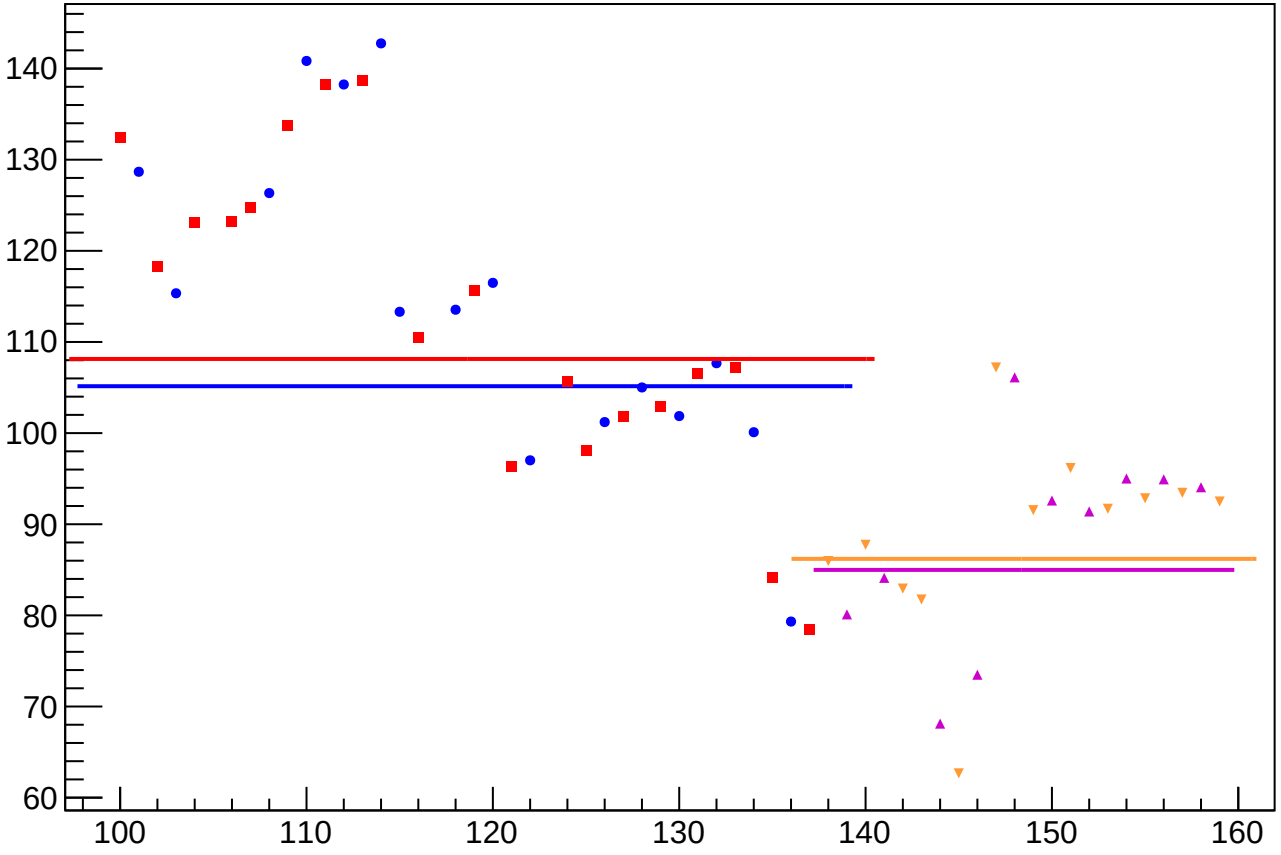
Left In: -24.205+/-29.120 χ^2/NDF:7.2/9

+ sign 47.589+/-22.987 χ^2/NDF: 35.0/27

All: 12.908+/-16.455 χ^2/NDF: 61.0/56

- sign -23.547+/-23.567 χ^2/NDF: 21.4/28

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

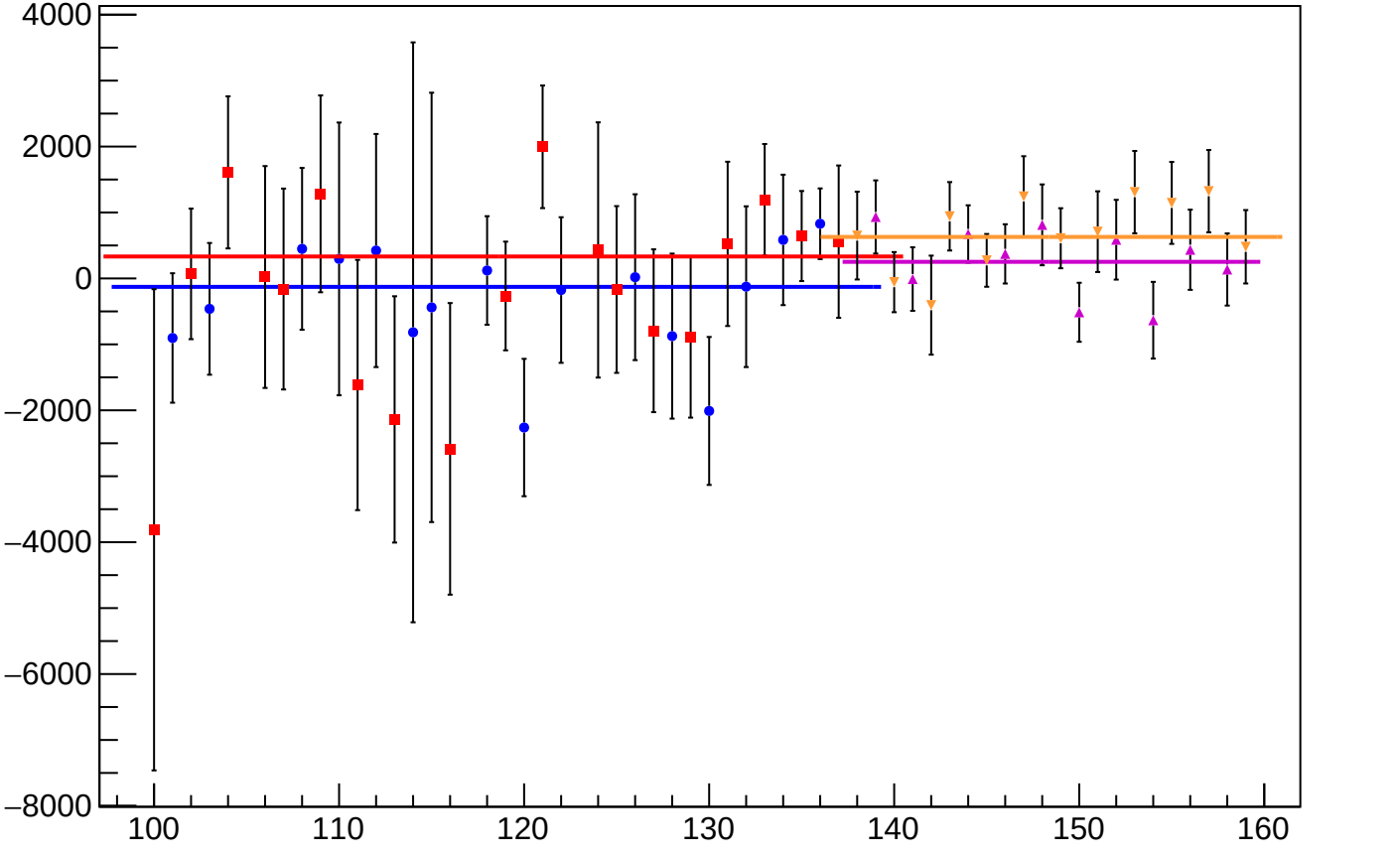
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.989+/-0.021 χ^2/NDF:298247.8/9

+ sign 92.558+/-0.016 χ^2/NDF: 1065119.0/27

All: 92.761+/-0.012 χ^2/NDF: 2146017.8/56

- sign 92.975+/-0.017 χ^2/NDF: 1080576.9/28



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 629.455+/-158.276 χ^2/NDF:9.5/11

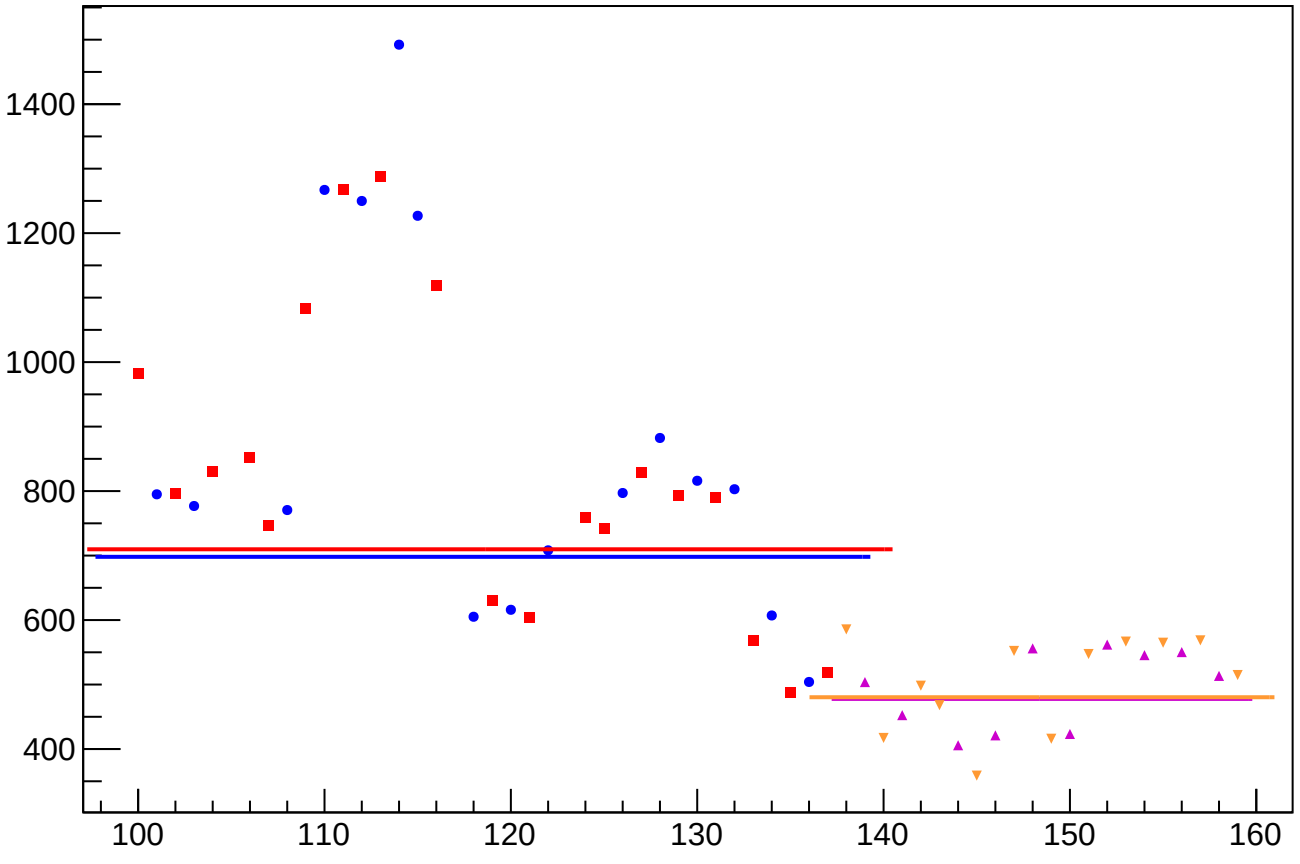
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 251.725+/-163.980 χ^2/NDF:9.3/9

+ sign 434.232+/-136.363 χ^2/NDF: 27.7/27

All: 356.106+/-97.776 χ^2/NDF: 52.5/56

- sign 273.437+/-140.273 χ^2/NDF: 24.1/28



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

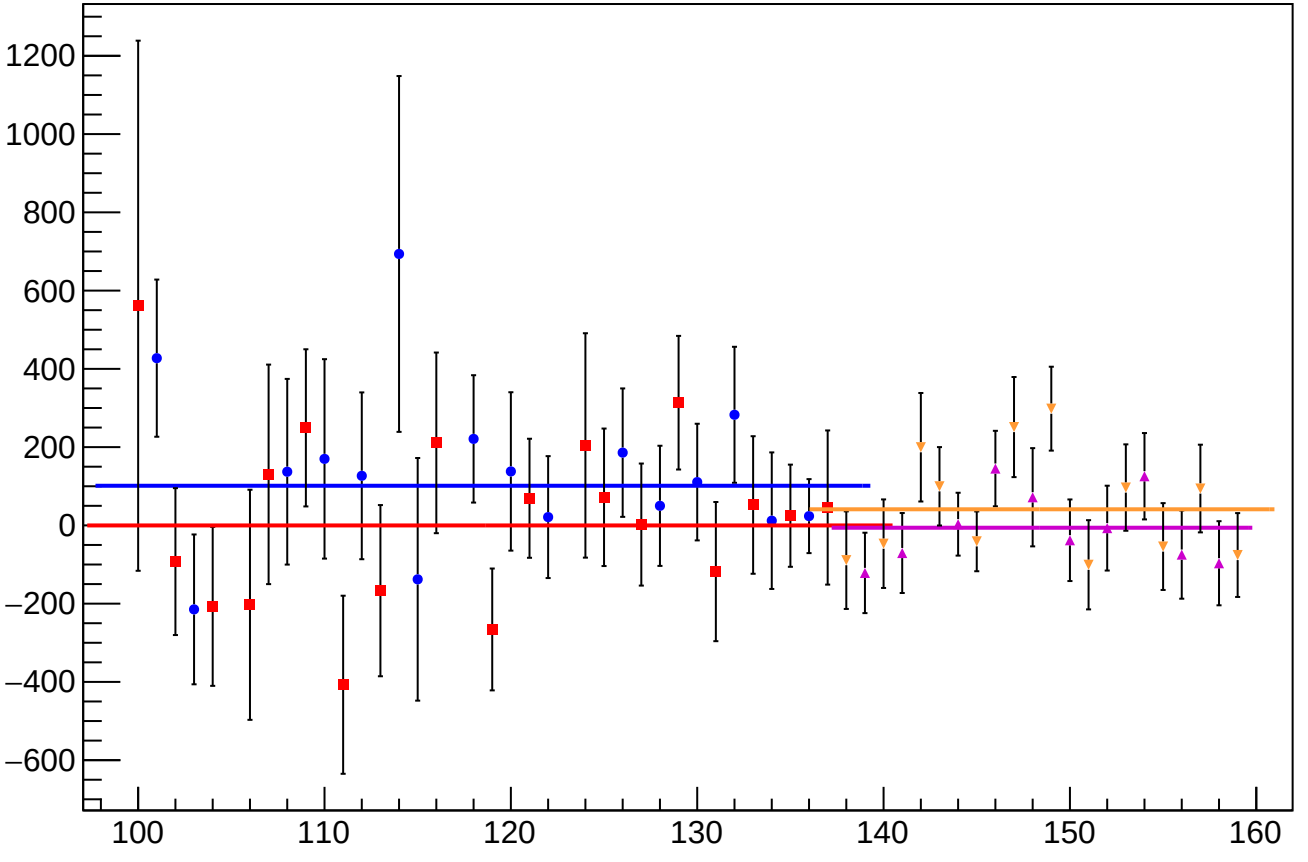
Left In: 477.741+/-0.116 χ^2/NDF:261353.2/9

+ sign 536.428+/-0.096 χ^2/NDF: 2377832.6/27

All: 538.152+/-0.069 χ^2/NDF: 4740917.8/56

- sign 539.976+/-0.099 χ^2/NDF: 2362427.4/28

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

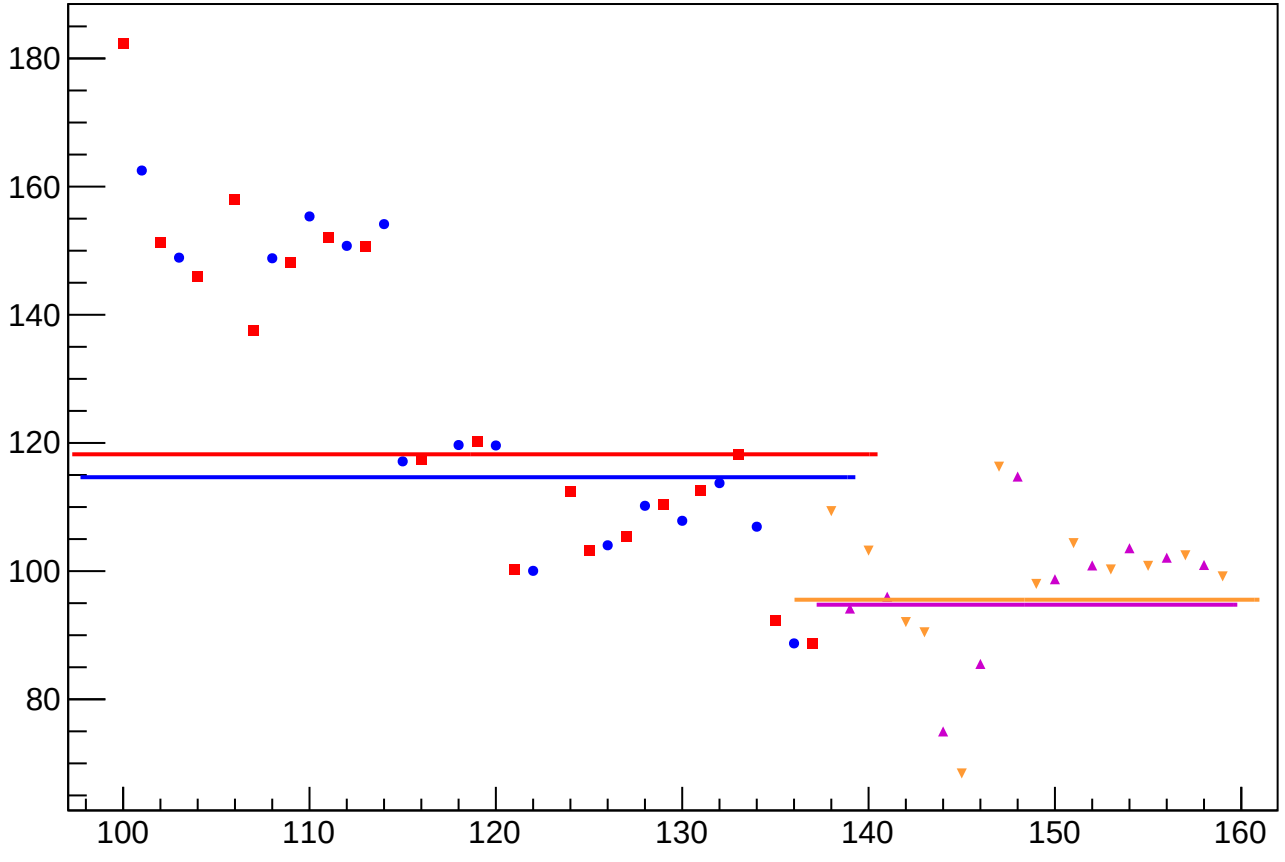
Left In: -5.998+/-32.599 χ^2/NDF:7.1/9

+ sign 61.655+/-25.410 χ^2/NDF: 29.2/27

All: 29.873+/-18.241 χ^2/NDF: 56.1/56

- sign -3.919+/-26.201 χ^2/NDF: 23.7/28

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

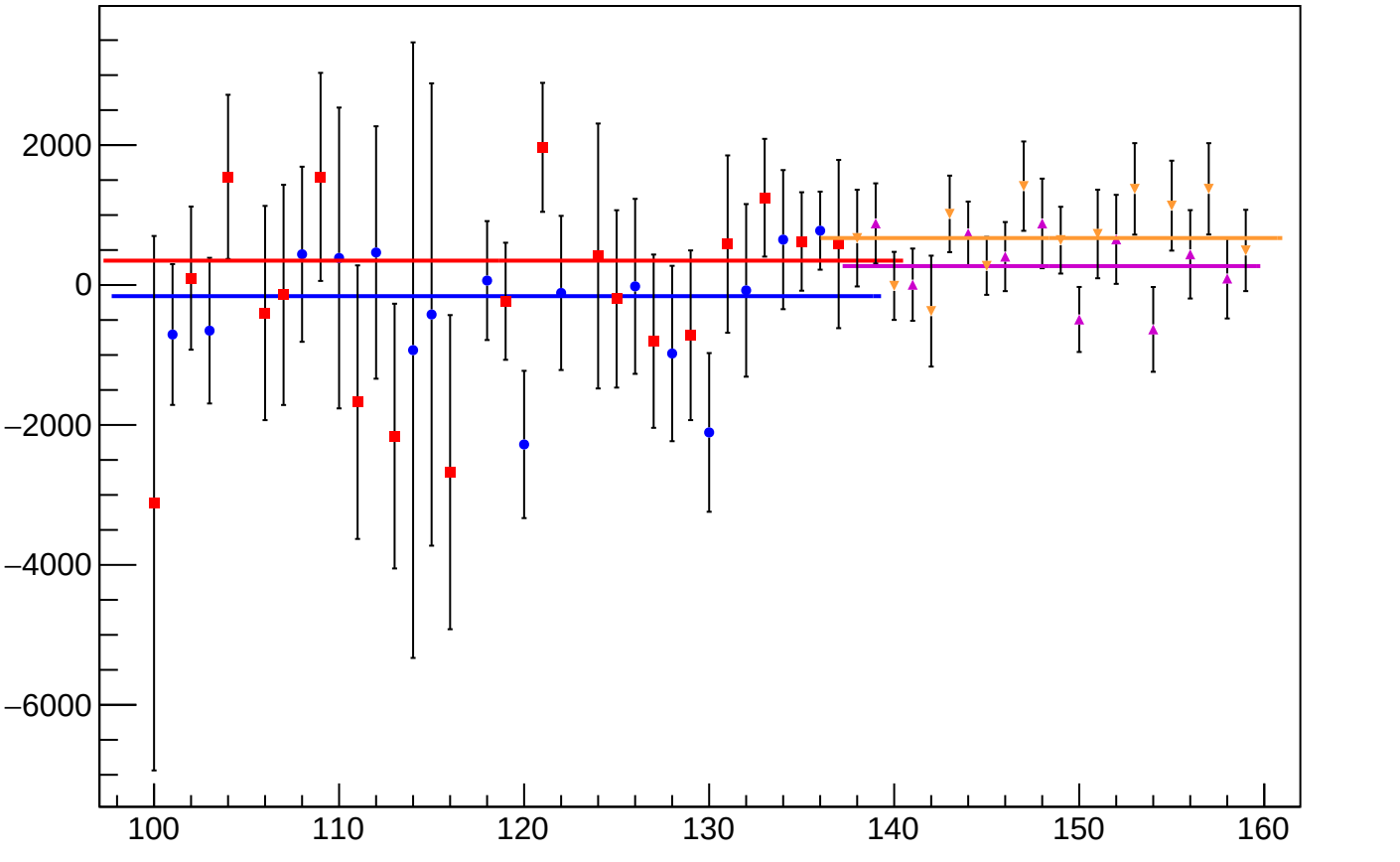
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 94.760+/-0.023 χ^2/NDF:227873.1/9

+ sign 102.058+/-0.018 χ^2/NDF: 1162318.0/27

All: 102.548+/-0.013 χ^2/NDF: 2242171.2/56

- sign 103.069+/-0.019 χ^2/NDF: 1078319.3/28



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

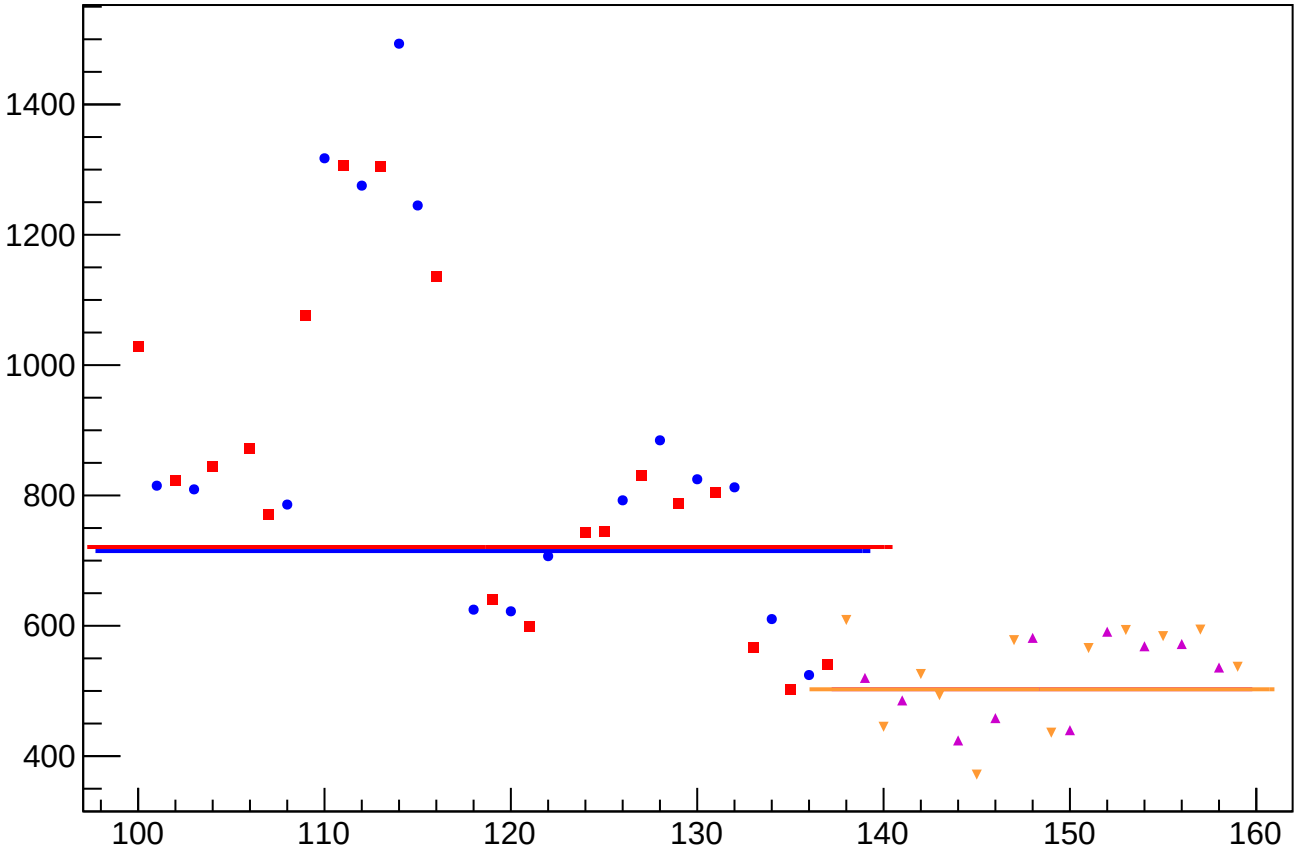
Left In: 270.739+/-172.554 χ^2/NDF:8.9/9

+ sign 450.032+/-141.728 χ^2/NDF: 28.0/27

All: 373.760+/-101.677 χ^2/NDF: 51.9/56

- sign 292.876+/-145.951 χ^2/NDF: 23.3/28

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

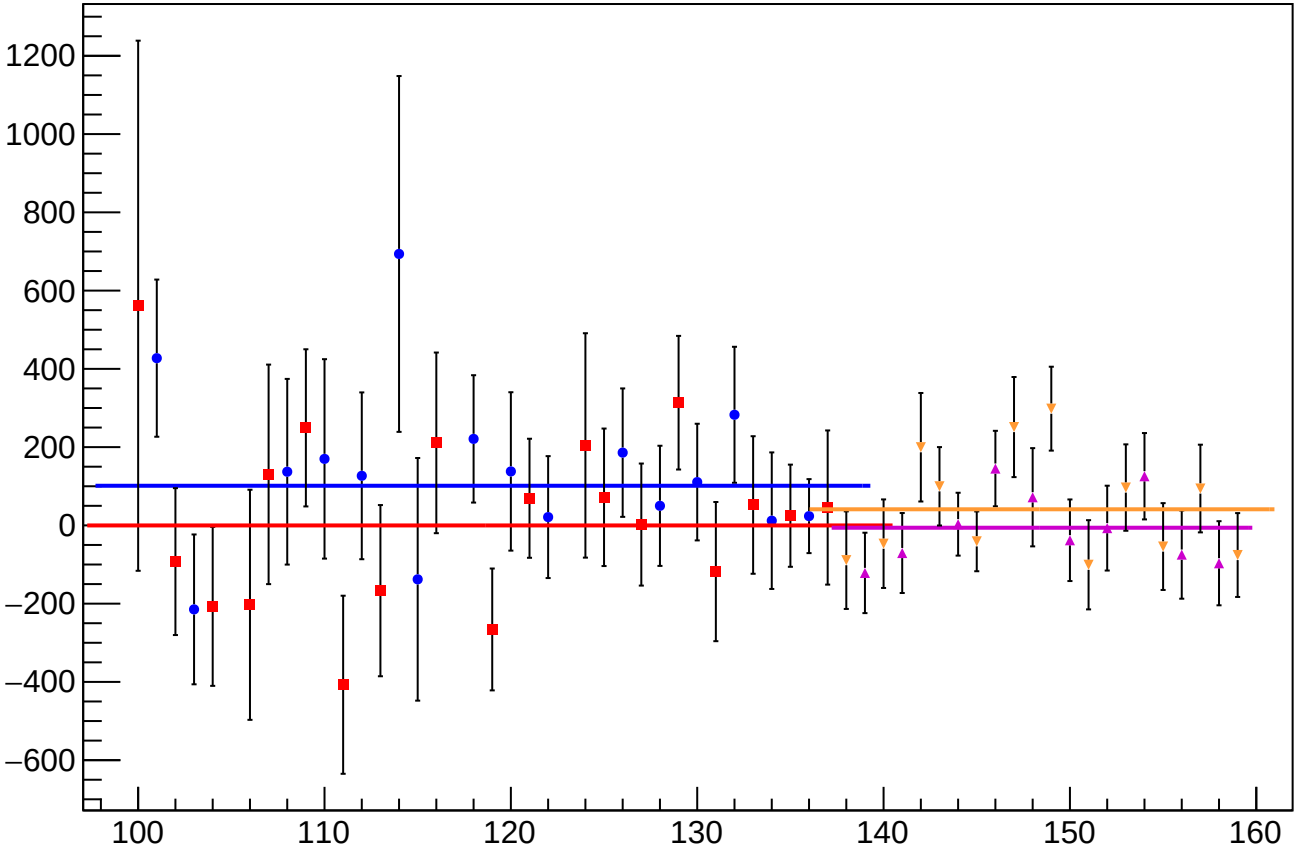
Left In: 502.699+/-0.122 χ^2/NDF:239993.7/9

+ sign 559.076+/-0.100 χ^2/NDF: 2233899.0/27

All: 561.849+/-0.072 χ^2/NDF: 4403880.2/56

- sign 564.789+/-0.103 χ^2/NDF: 2168404.1/28

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

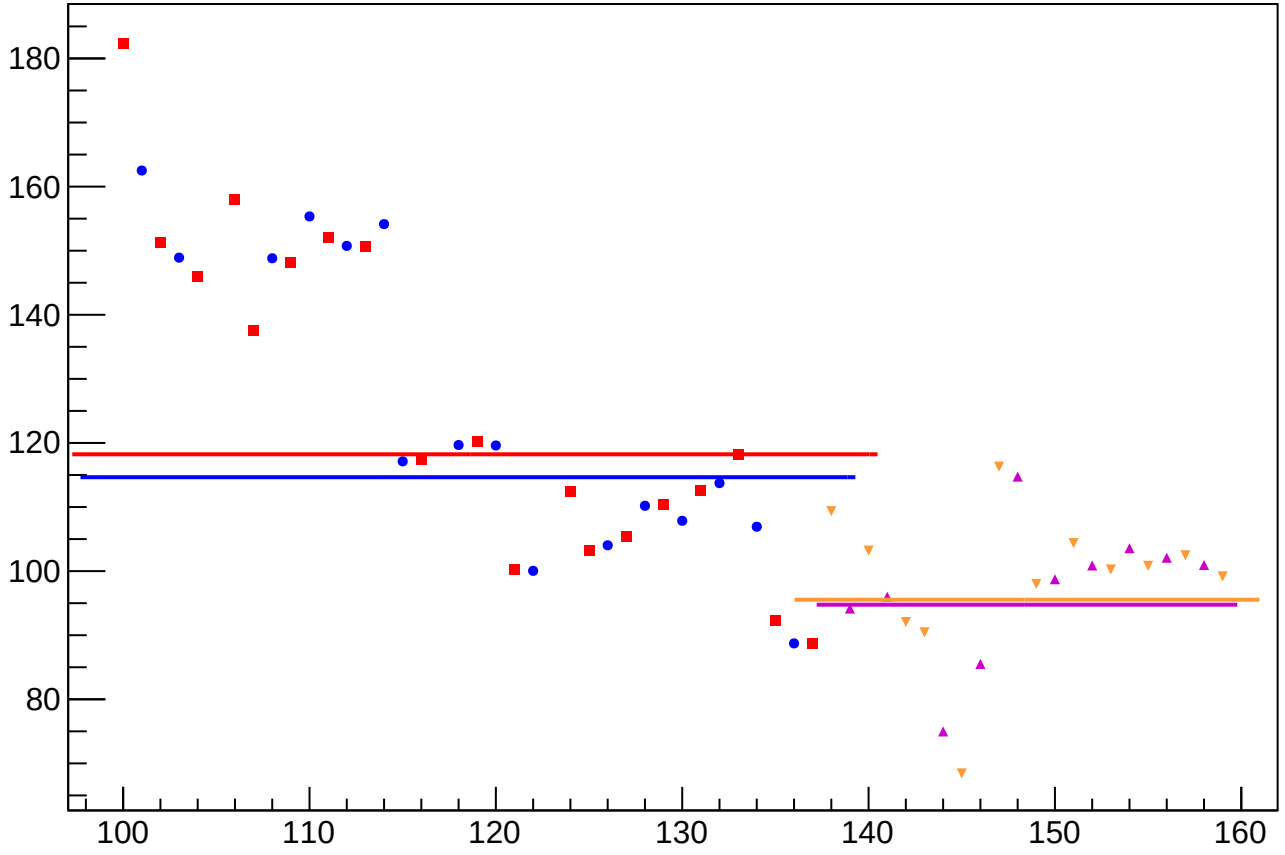
Left In: -5.997+/-32.599 χ^2/NDF:7.1/9

+ sign 61.654+/-25.410 χ^2/NDF: 29.2/27

All: 29.872+/-18.241 χ^2/NDF: 56.1/56

- sign -3.918+/-26.201 χ^2/NDF: 23.7/28

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

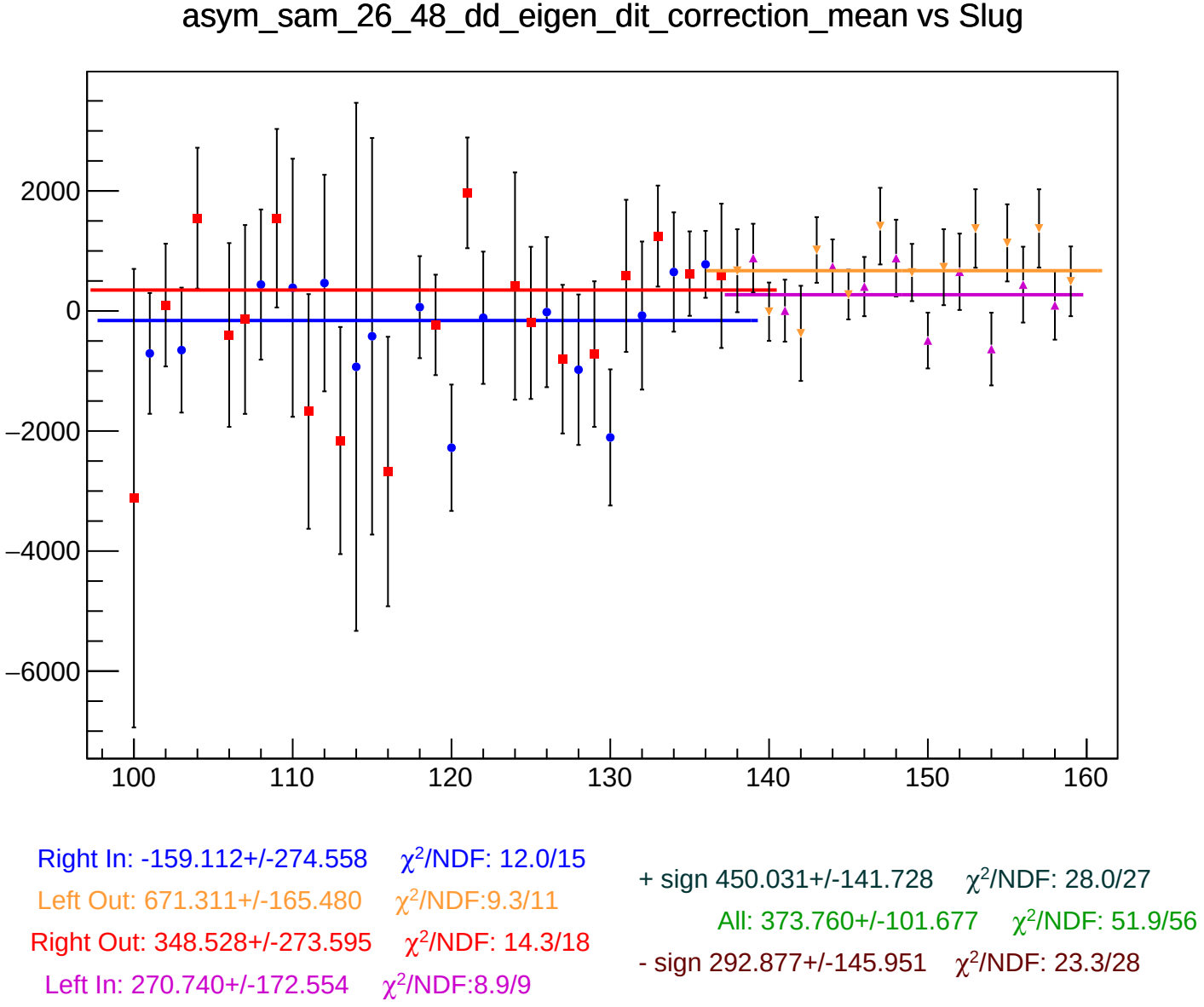
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

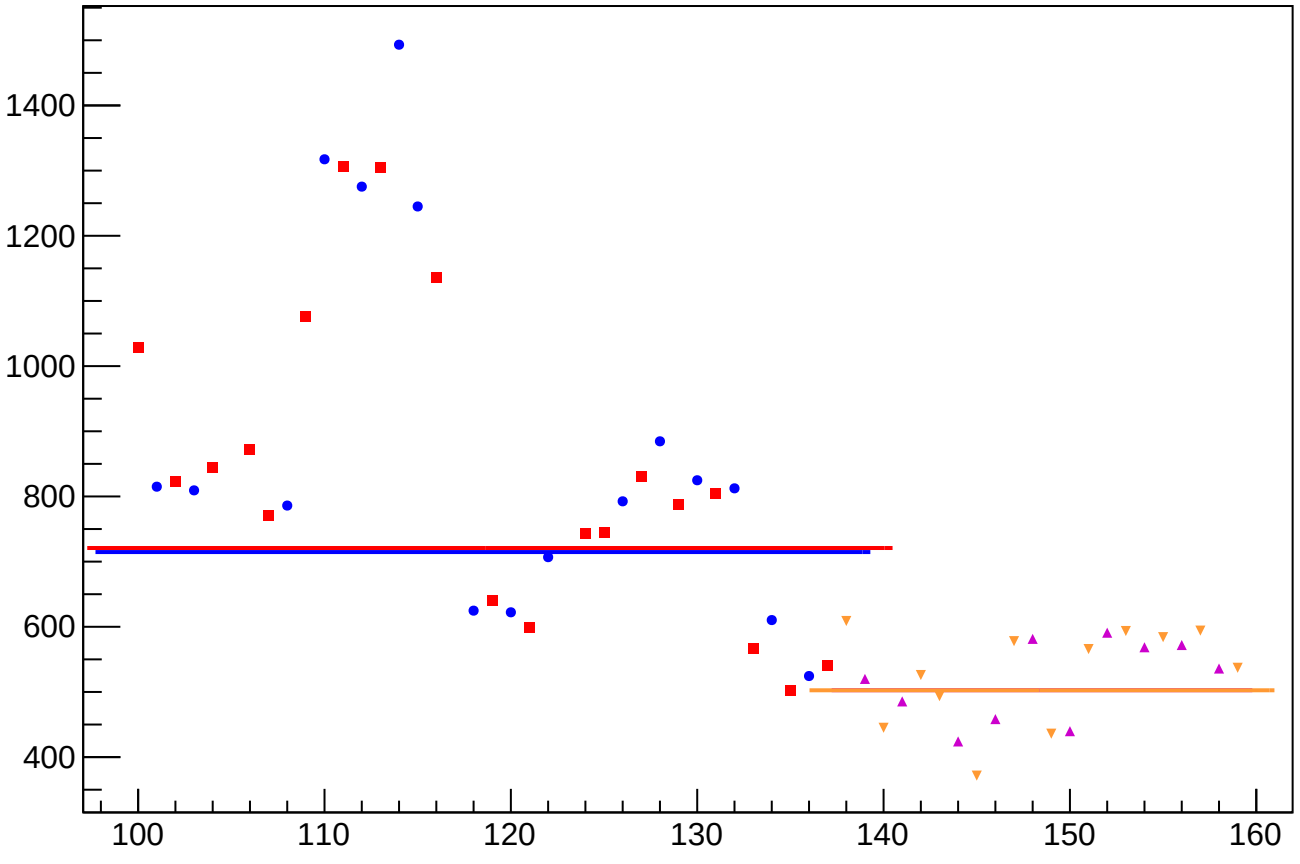
Left In: 94.760+/-0.023 χ^2/NDF:227873.2/9

+ sign 102.058+/-0.018 χ^2/NDF: 1162313.5/27

All: 102.548+/-0.013 χ^2/NDF: 2242158.1/56

- sign 103.069+/-0.019 χ^2/NDF: 1078310.7/28


asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -159.112+/-274.558 χ²/NDF: 12.0/15
Left Out: 671.311+/-165.480 χ²/NDF:9.3/11
Right Out: 348.528+/-273.595 χ²/NDF: 14.3/18
Left In: 270.740+/-172.554 χ²/NDF:8.9/9
+ sign 450.031+/-141.728 χ²/NDF: 28.0/27
All: 373.760+/-101.677 χ²/NDF: 51.9/56
- sign 292.877+/-145.951 χ²/NDF: 23.3/28



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

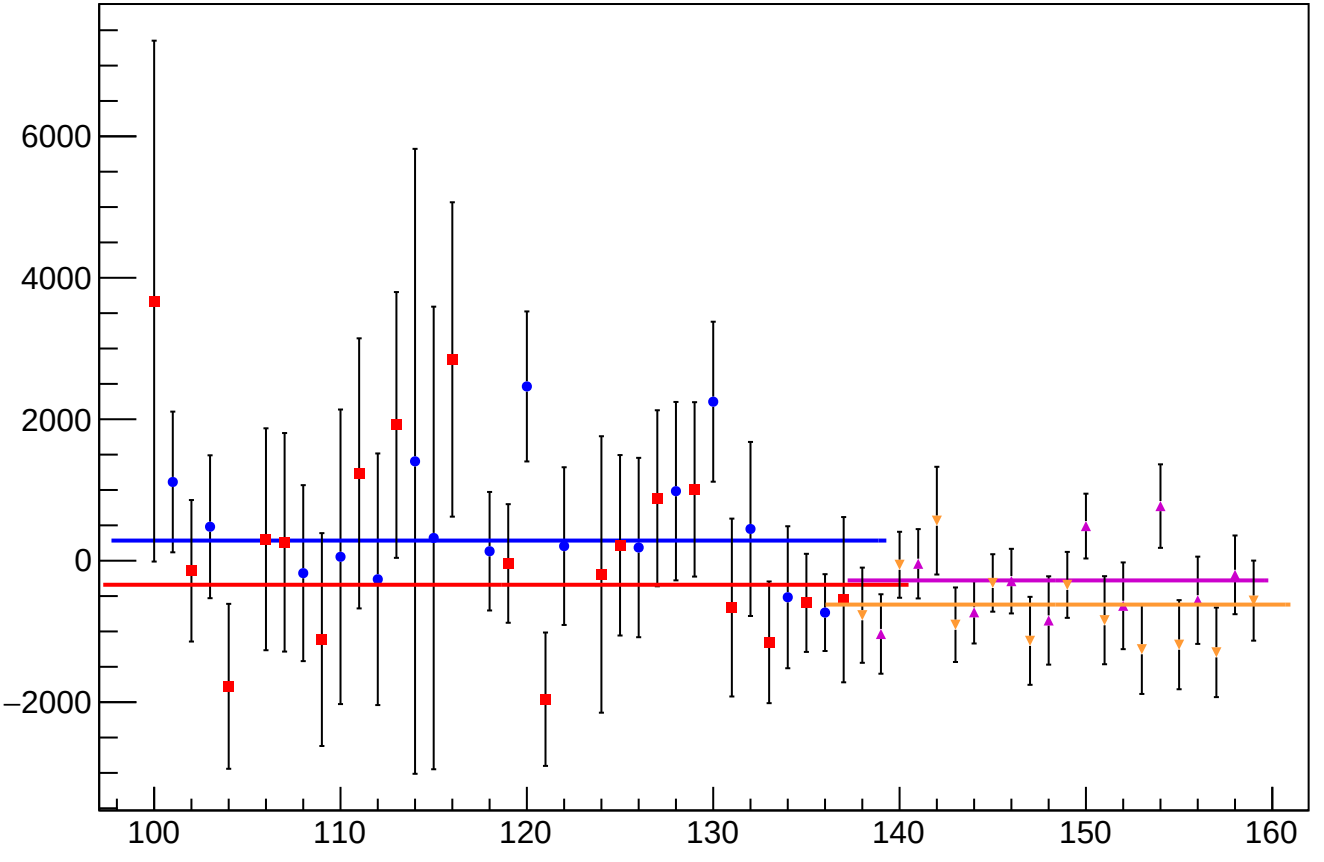
Left In: 502.699+/-0.122 χ^2/NDF:239991.6/9

\+ sign 559.076+/-0.100 χ^2/NDF: 2233894.3/27

All: 561.849+/-0.072 χ^2/NDF: 4403863.1/56

\- sign 564.789+/-0.103 χ^2/NDF: 2168391.6/28

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

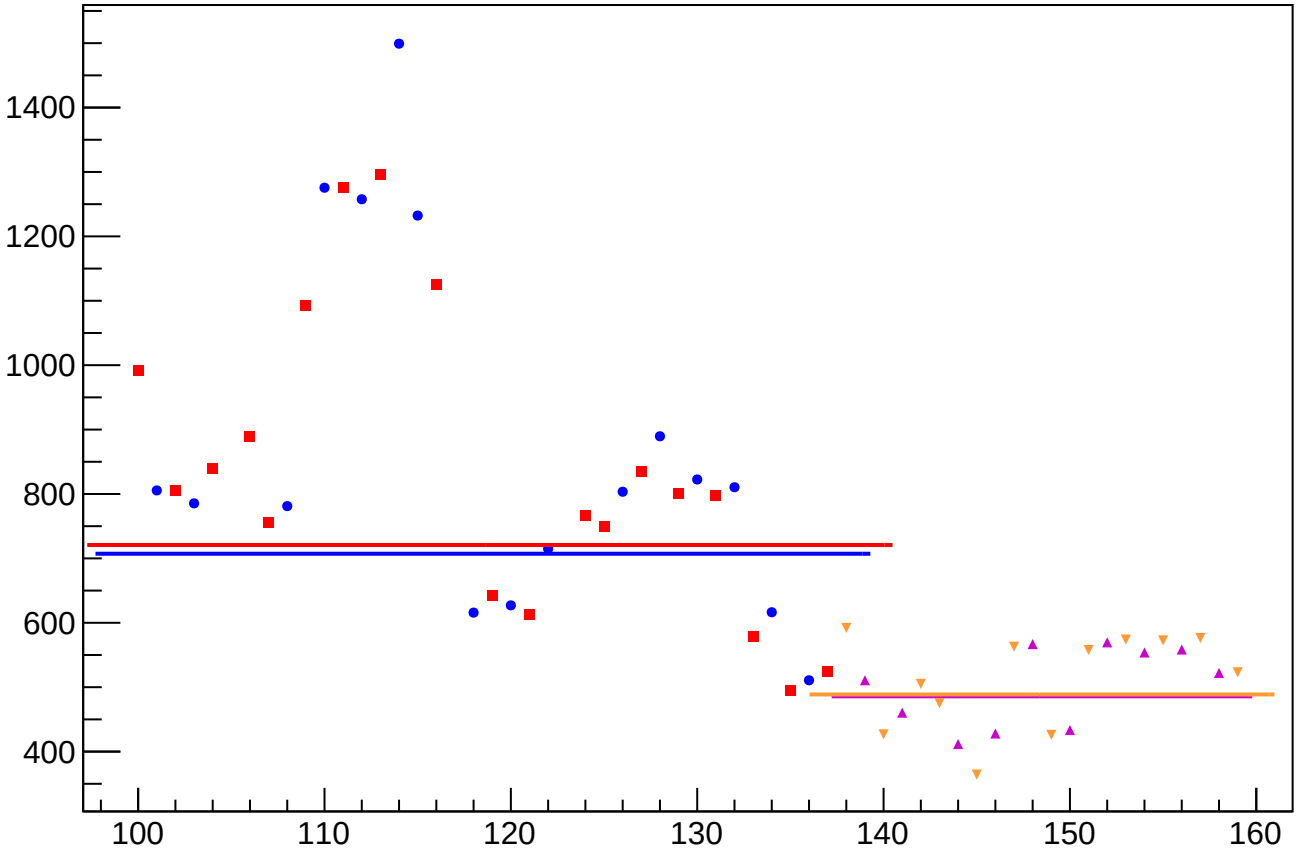
Left In: -278.604+/-166.709 χ^2/NDF:10.5/9

\+ sign -385.474+/-138.519 χ^2/NDF: 29.9/27

All: -341.588+/-99.279 χ^2/NDF: 54.7/56

\- sign -295.231+/-142.364 χ^2/NDF: 24.6/28

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

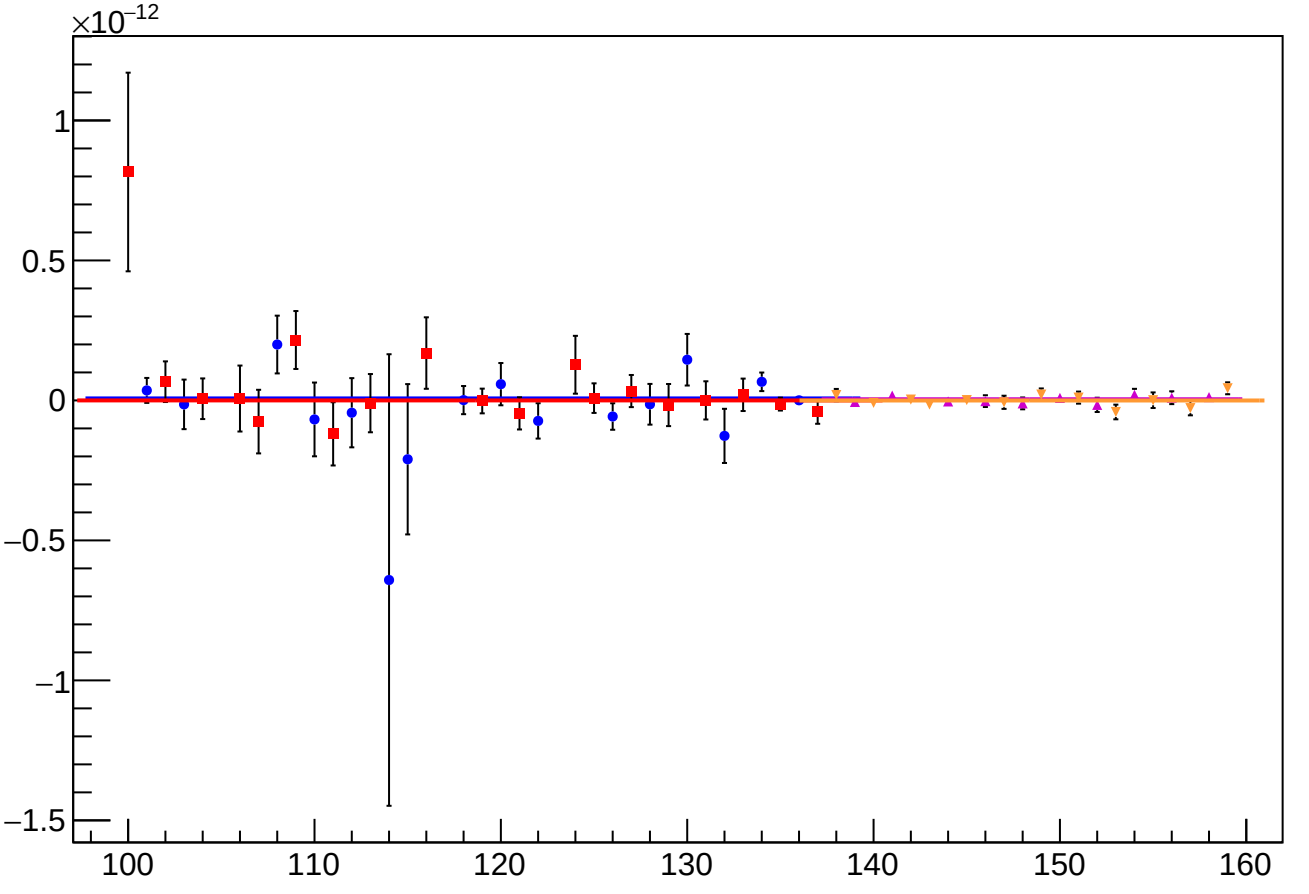
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 485.829+/-0.118 χ^2/NDF:257782.7/9

+ sign 545.415+/-0.098 χ^2/NDF: 2331972.6/27

All: 547.373+/-0.070 χ^2/NDF: 4681374.1/56

- sign 549.440+/-0.101 χ^2/NDF: 2348580.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

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

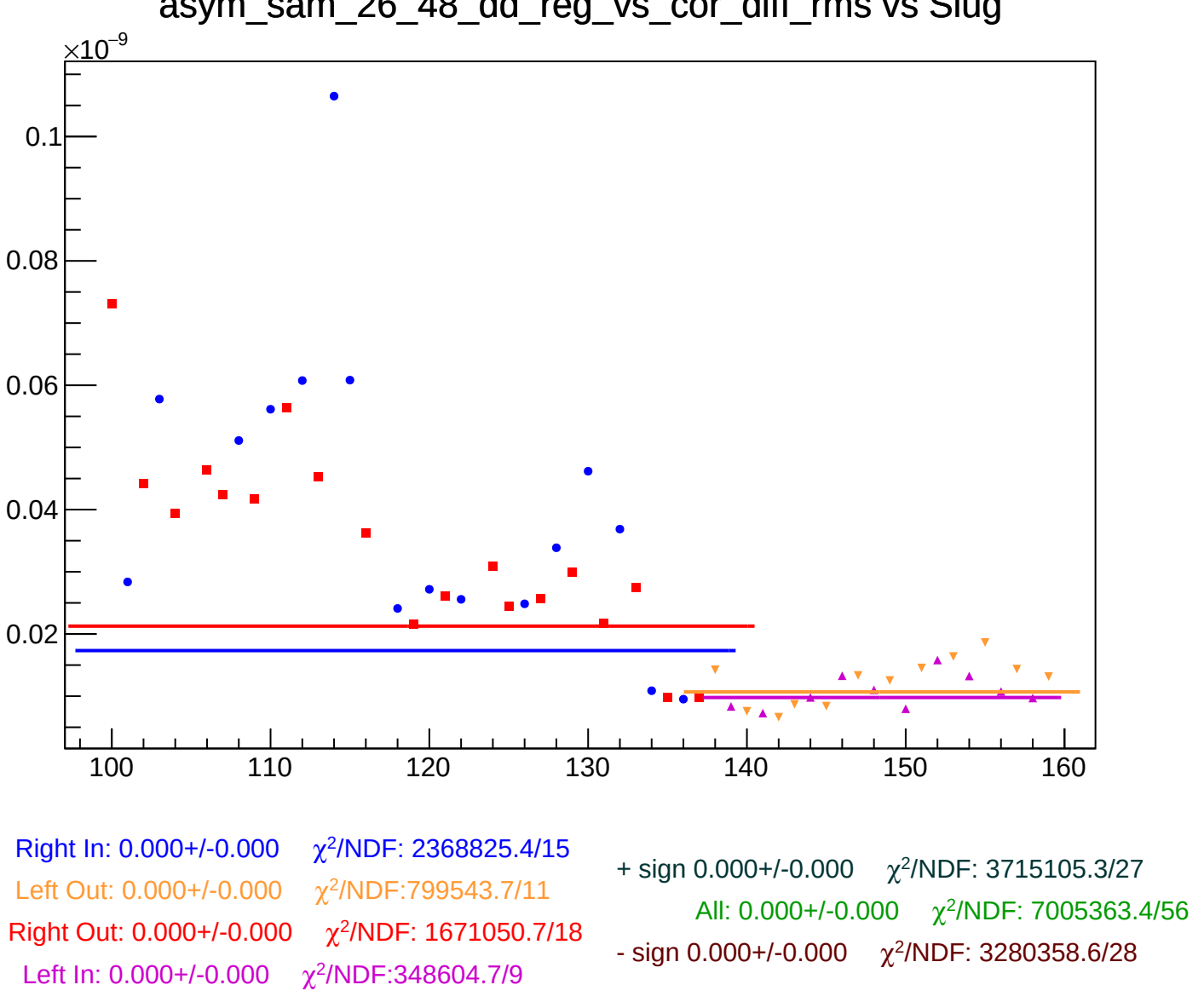
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/9

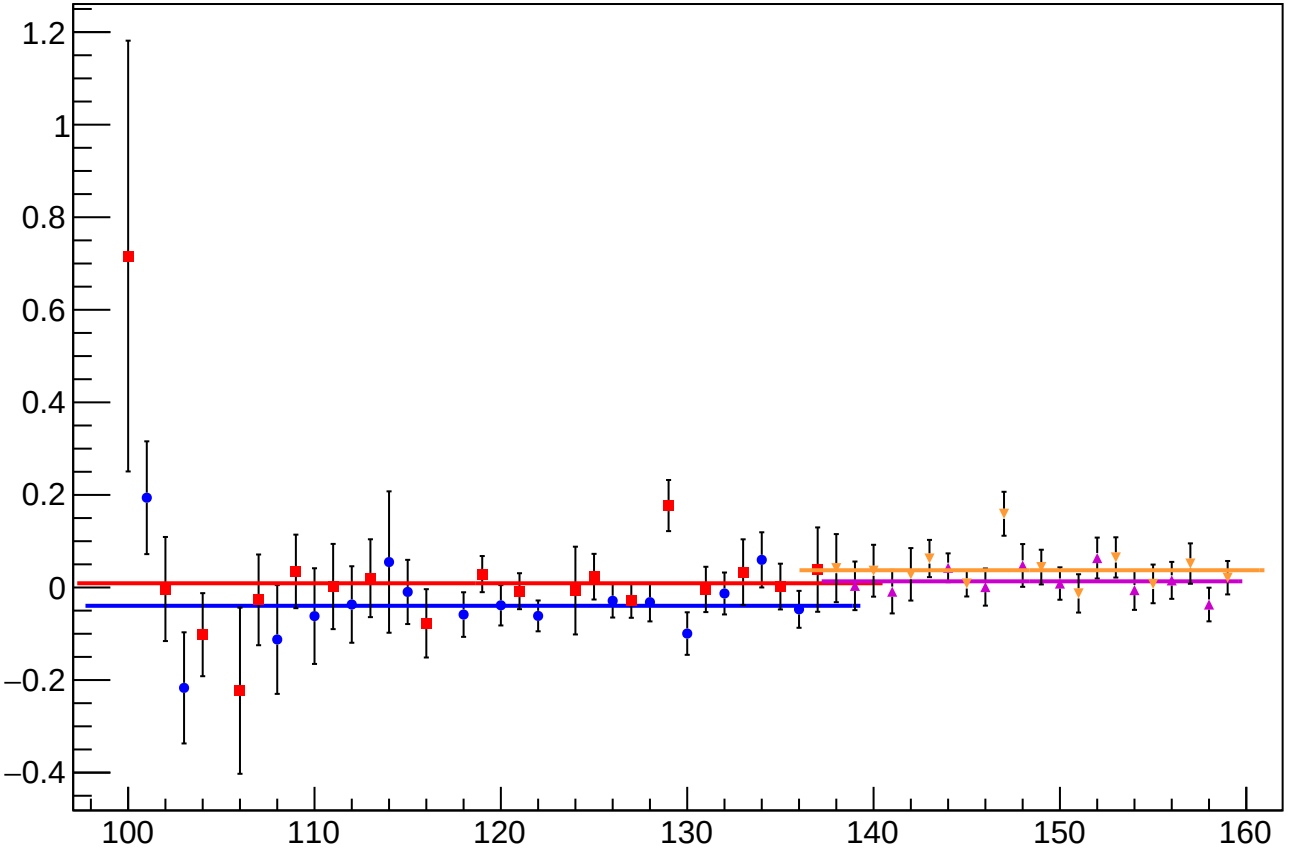
+ sign 0.000+/-0.000 χ^2/NDF: 28.8/27

All: 0.000+/-0.000 χ^2/NDF: 50.5/56

- sign 0.000+/-0.000 χ^2/NDF: 21.6/28


asym_sam_26_48_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: 2368825.4/15
Left Out: 0.000+/-0.000 χ²/NDF:799543.7/11
Right Out: 0.000+/-0.000 χ²/NDF: 1671050.7/18
Left In: 0.000+/-0.000 χ²/NDF:348604.7/9
+ sign 0.000+/-0.000 χ²/NDF: 3715105.3/27
All: 0.000+/-0.000 χ²/NDF: 7005363.4/56
- sign 0.000+/-0.000 χ²/NDF: 3280358.6/28

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

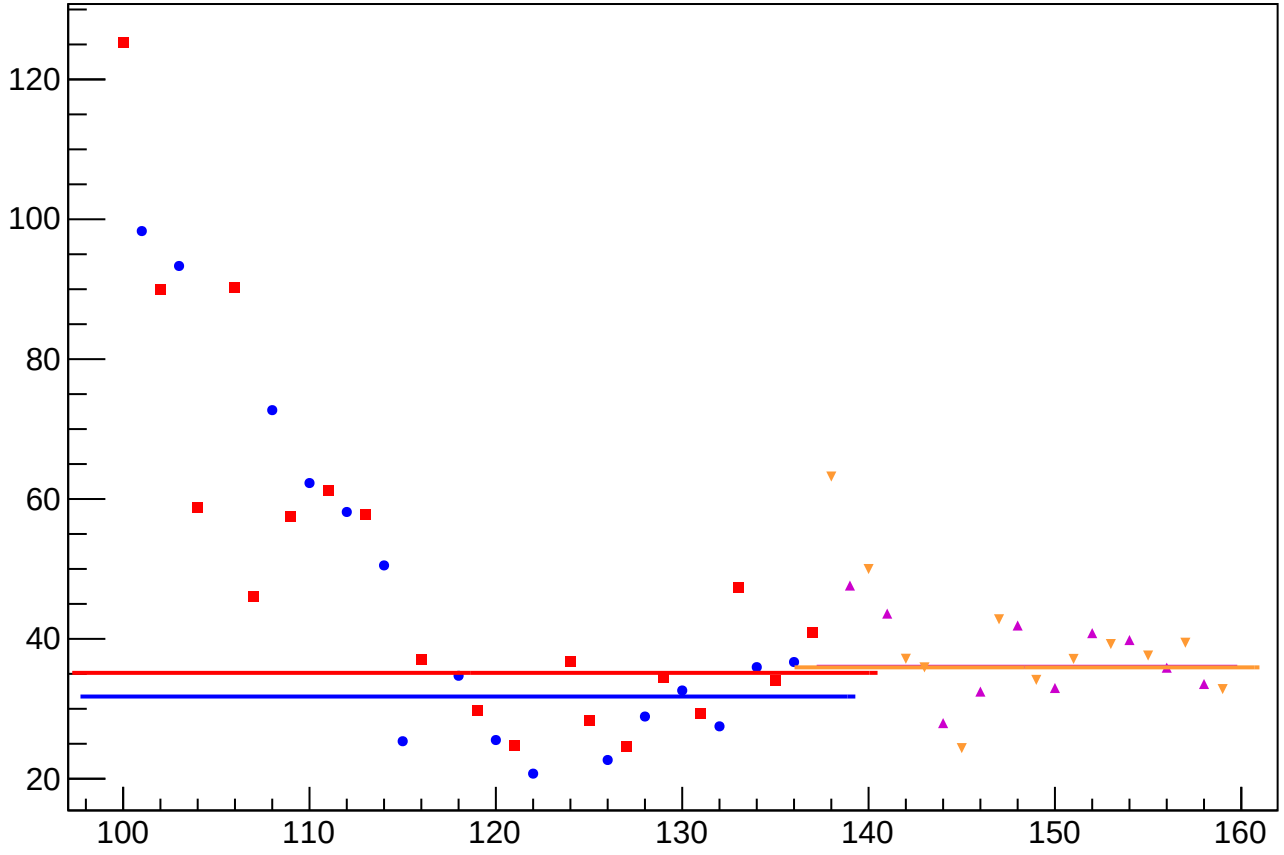
Left In: 0.013+/-0.013 χ^2/NDF:5.2/9

+ sign 0.002+/-0.009 χ^2/NDF: 41.6/27

All: 0.006+/-0.006 χ^2/NDF: 65.7/56

- sign 0.011+/-0.009 χ^2/NDF: 23.6/28

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

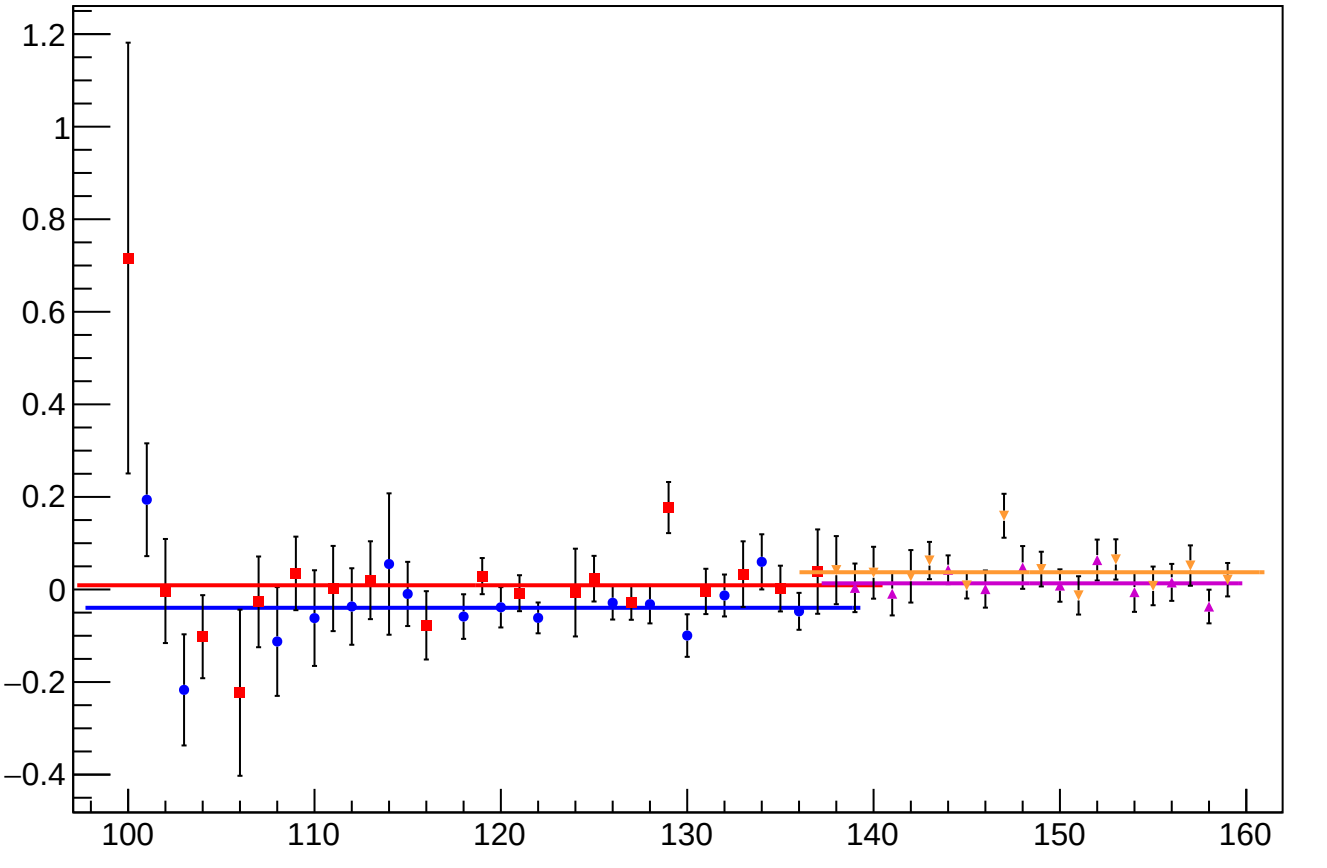
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396773.0/9

+ sign 34.015+/-0.006 χ^2/NDF: 3190561.0/27

All: 34.771+/-0.005 χ^2/NDF: 5466837.5/56

- sign 35.623+/-0.007 χ^2/NDF: 2245644.9/28



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.037+/-0.012 χ^2/NDF:10.8/11

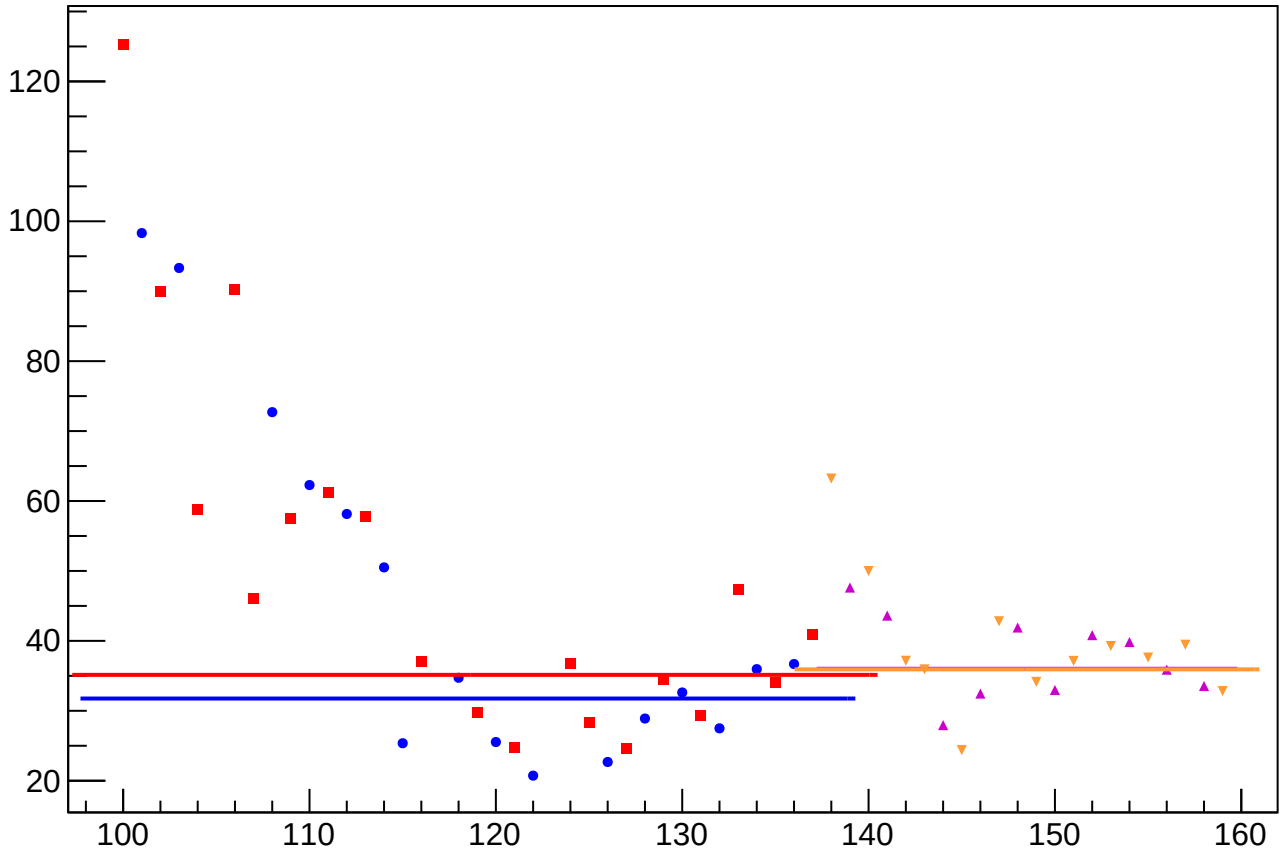
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.013+/-0.013 χ^2/NDF:5.2/9

+ sign 0.002+/-0.009 χ^2/NDF: 41.6/27

All: 0.006+/-0.006 χ^2/NDF: 65.7/56

- sign 0.011+/-0.009 χ^2/NDF: 23.6/28



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.926+/-0.009 χ^2/NDF:829388.1/11

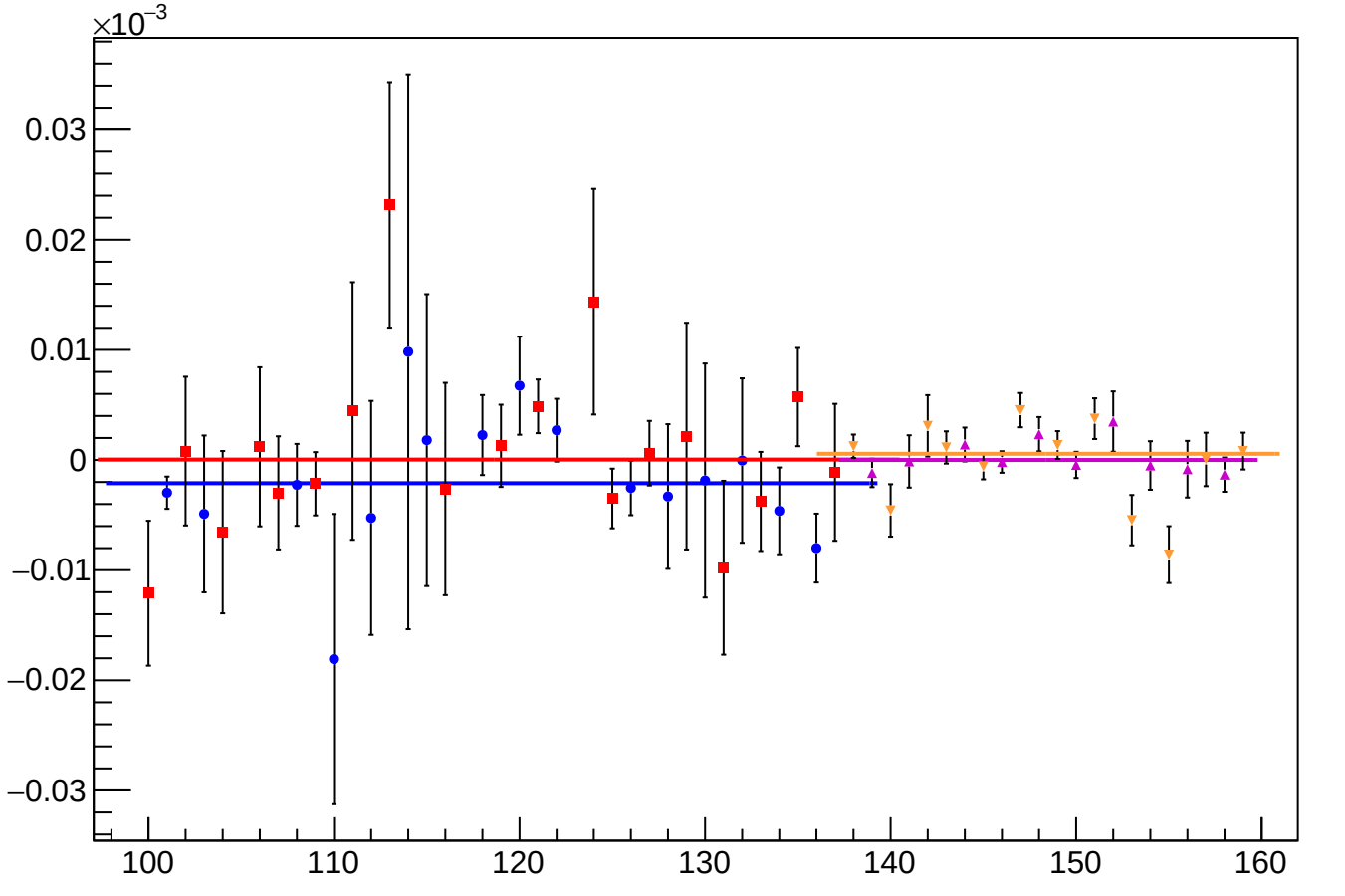
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396773.0/9

\+ sign 34.015+/-0.006 χ^2/NDF: 3190561.0/27

All: 34.771+/-0.005 χ^2/NDF: 5466837.5/56

\- sign 35.623+/-0.007 χ^2/NDF: 2245644.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/11

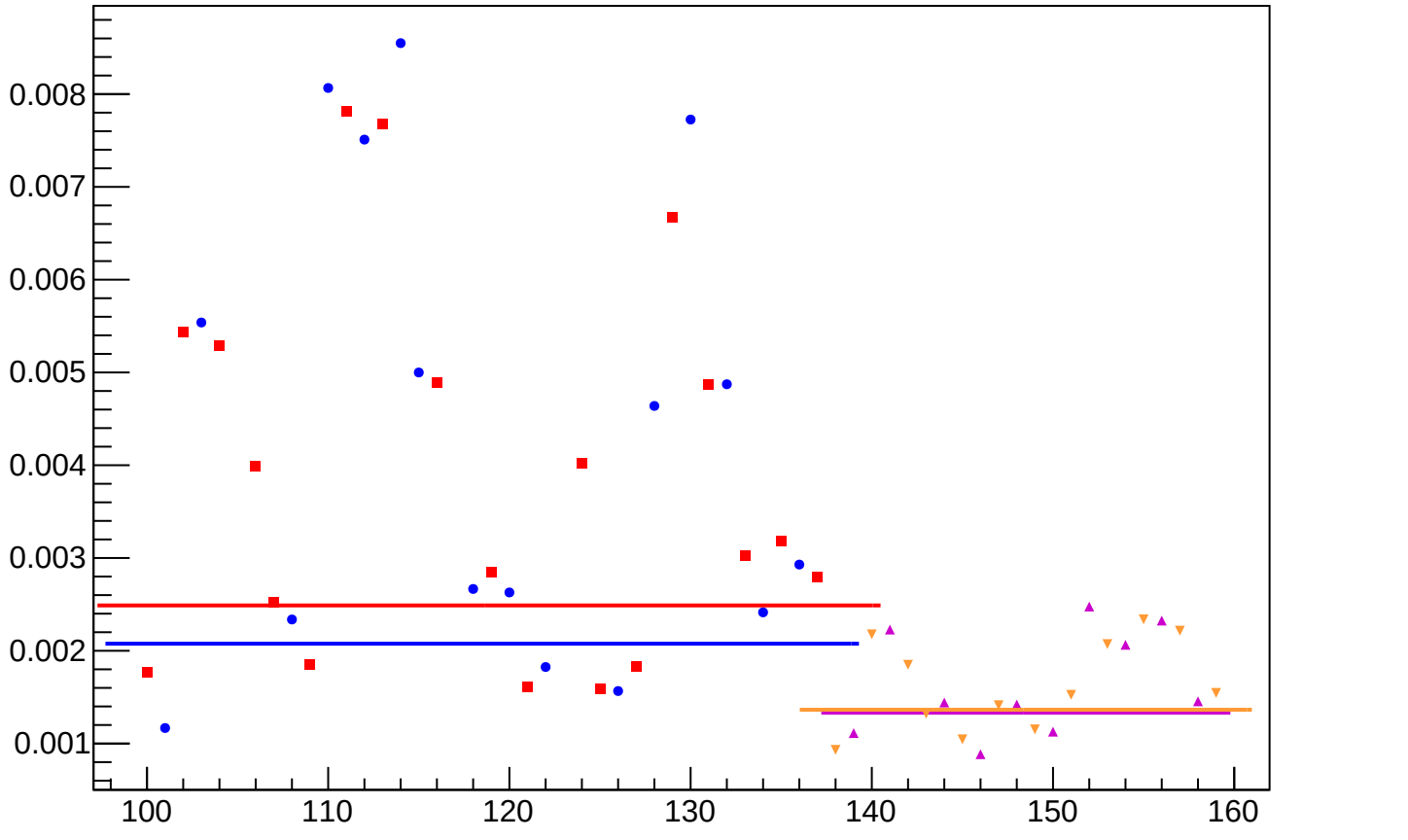
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 58.1/27

All: 0.000+/-0.000 χ^2/NDF: 86.1/56

- sign 0.000+/-0.000 χ^2/NDF: 28.0/28



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1594492.5/11

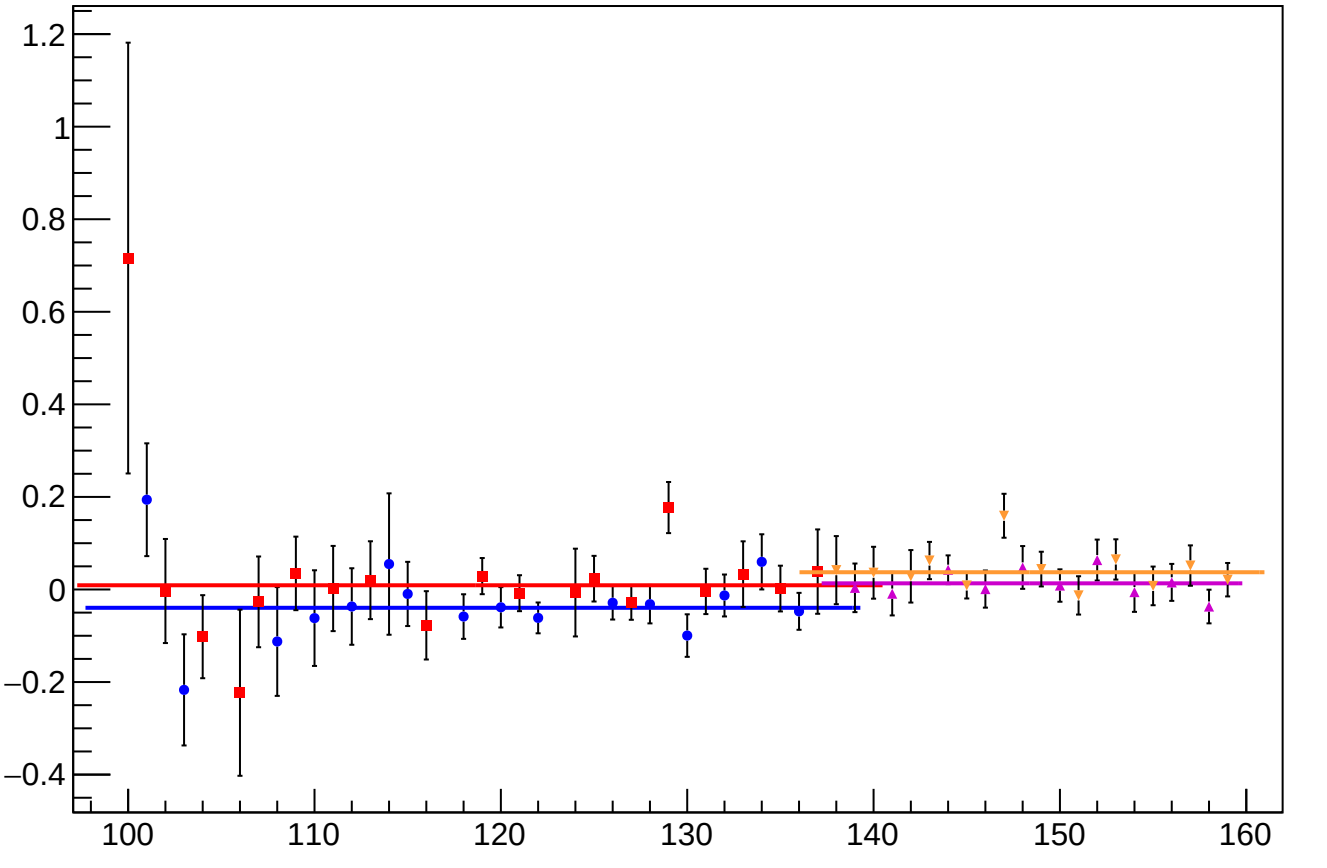
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1717658.3/9

+ sign 0.002+/-0.000 χ^2/NDF: 6481285.4/27

All: 0.002+/-0.000 χ^2/NDF: 13318926.3/56

- sign 0.002+/-0.000 χ^2/NDF: 6834243.9/28



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.037+/-0.012 χ^2/NDF:10.8/11

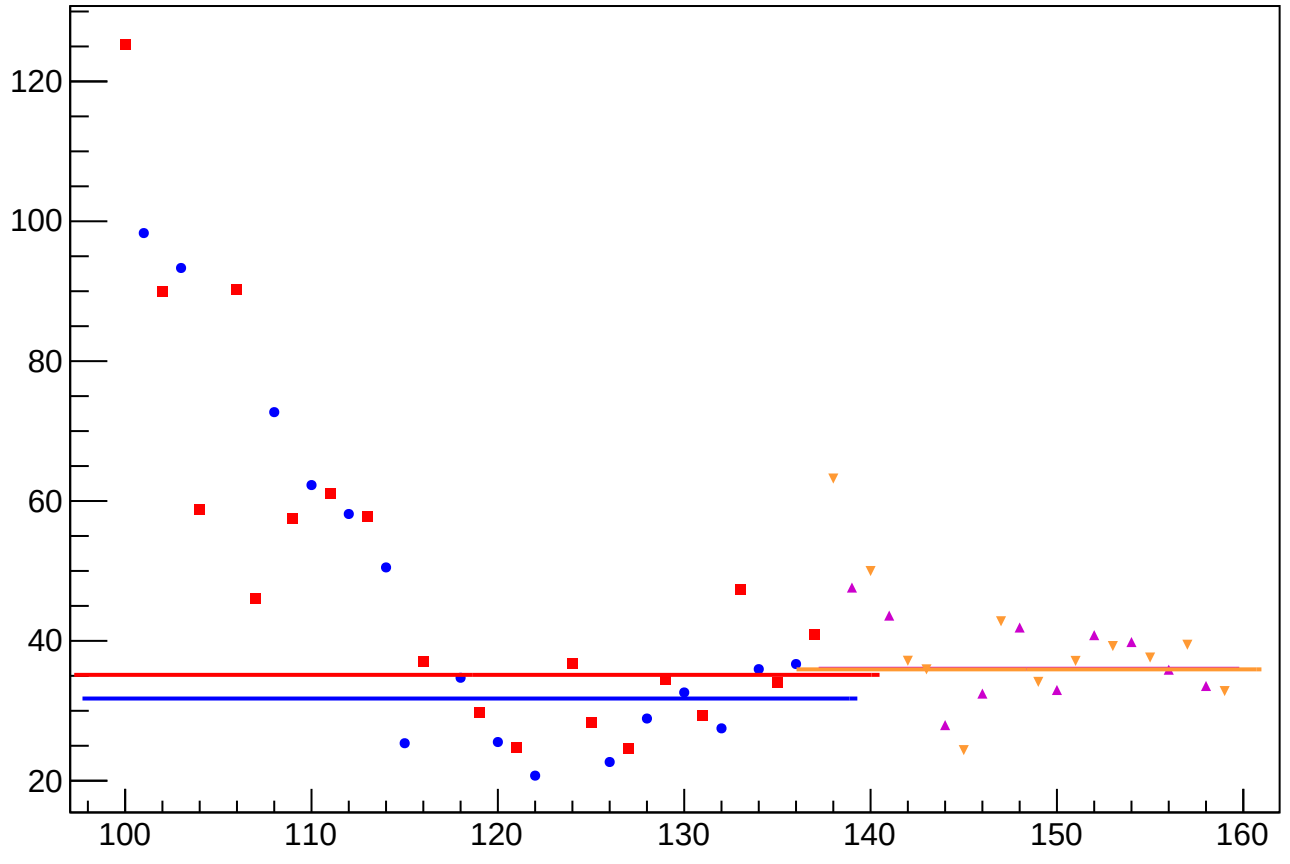
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.013+/-0.013 χ^2/NDF:5.2/9

+ sign 0.002+/-0.009 χ^2/NDF: 41.6/27

All: 0.006+/-0.006 χ^2/NDF: 65.7/56

- sign 0.011+/-0.009 χ^2/NDF: 23.6/28



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.926+/-0.009 χ^2/NDF:829416.5/11

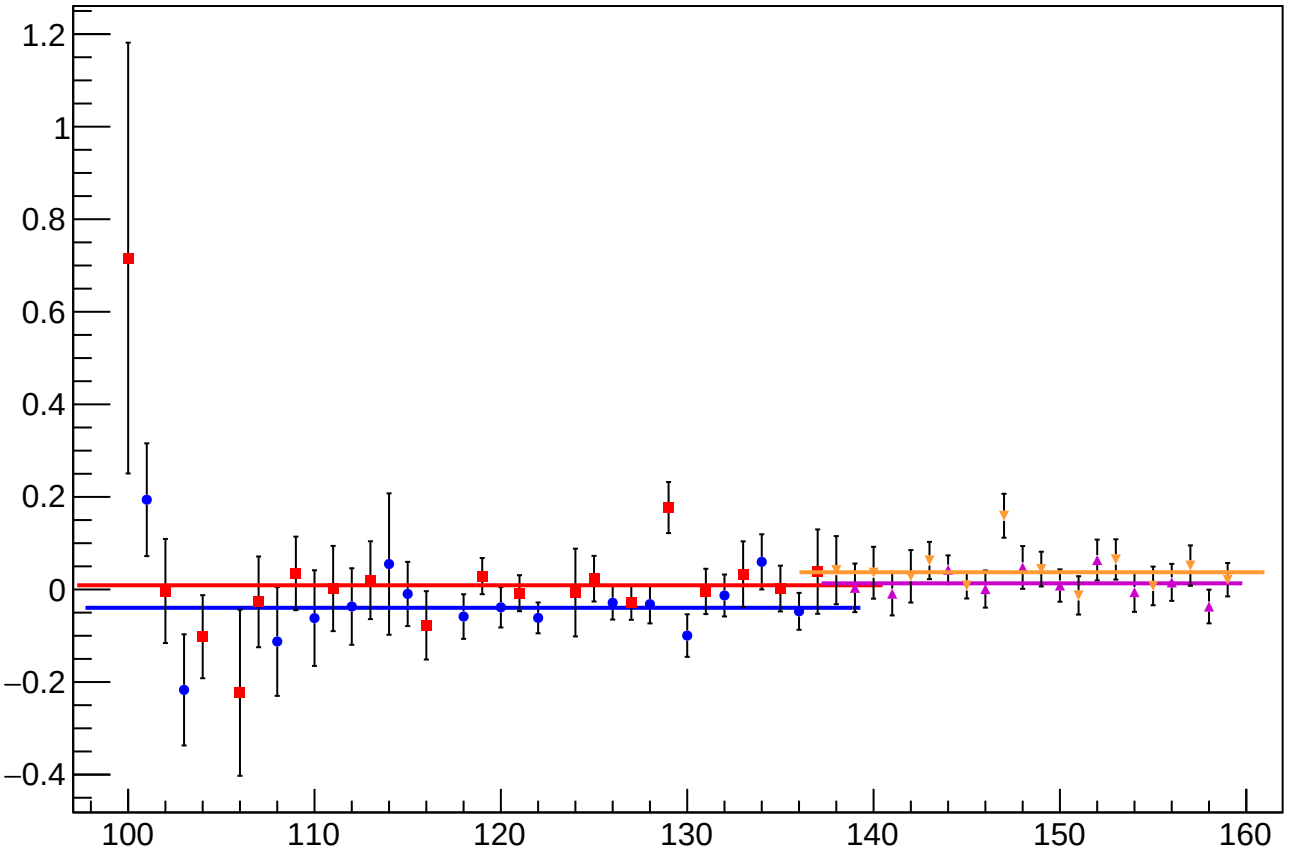
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.011+/-0.009 χ^2/NDF:396767.3/9

+ sign 34.015+/-0.006 χ^2/NDF: 3190548.3/27

All: 34.771+/-0.005 χ^2/NDF: 5466713.4/56

- sign 35.623+/-0.007 χ^2/NDF: 2245531.9/28



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.037+/-0.012 χ^2/NDF:10.8/11

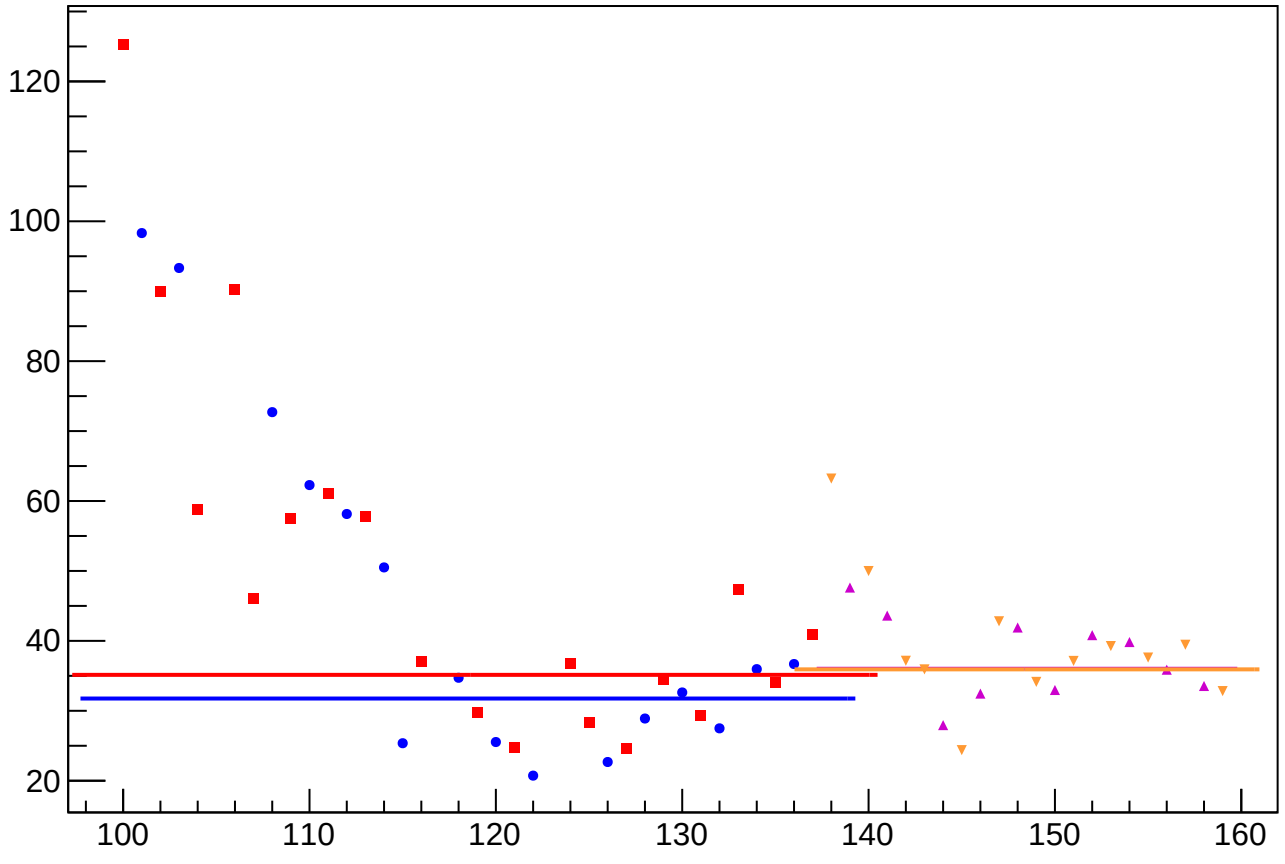
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.013+/-0.013 χ^2/NDF:5.2/9

+ sign 0.002+/-0.009 χ^2/NDF: 41.6/27

All: 0.006+/-0.006 χ^2/NDF: 65.7/56

- sign 0.011+/-0.009 χ^2/NDF: 23.6/28



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.926+/-0.009 χ^2/NDF:829416.5/11

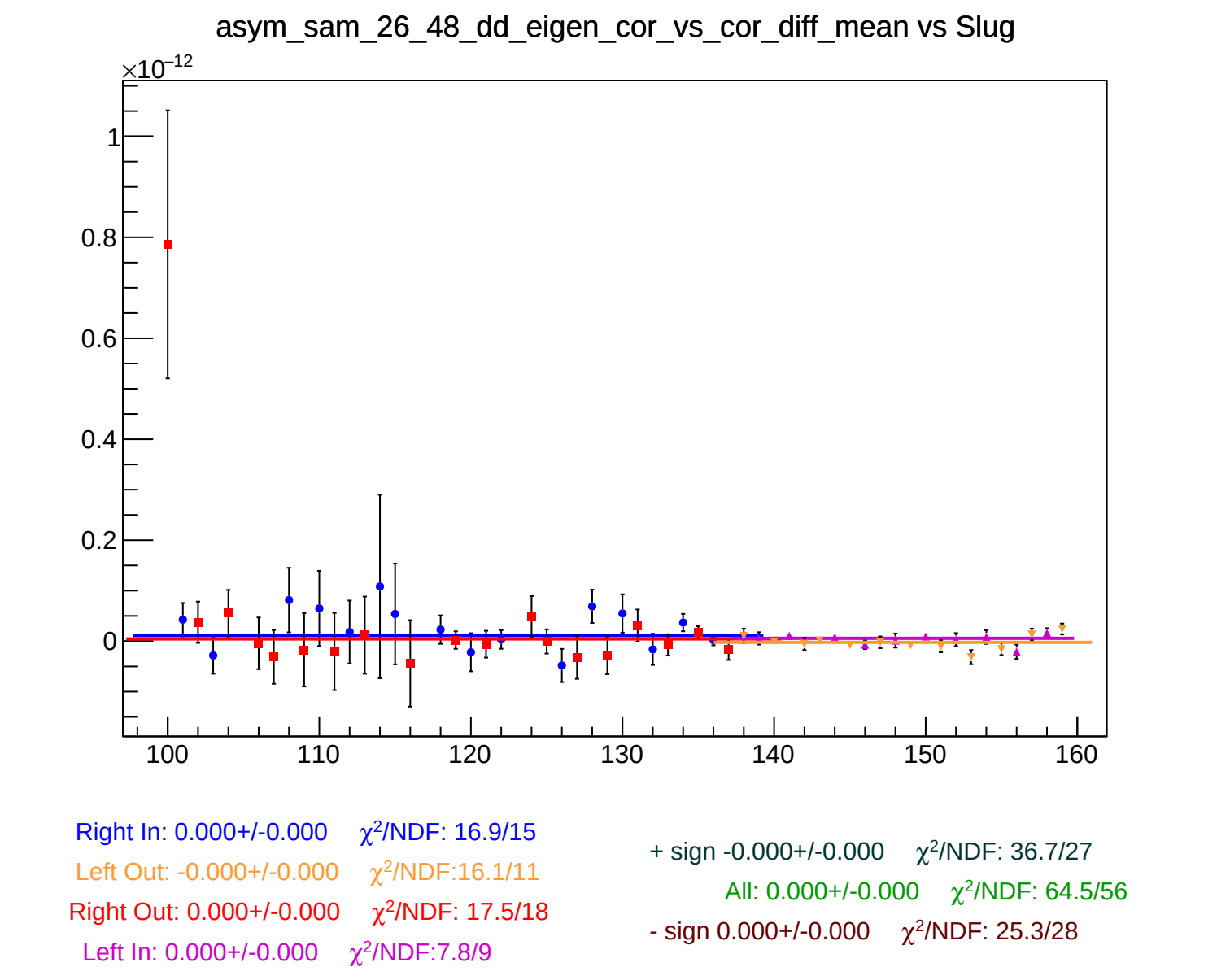
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

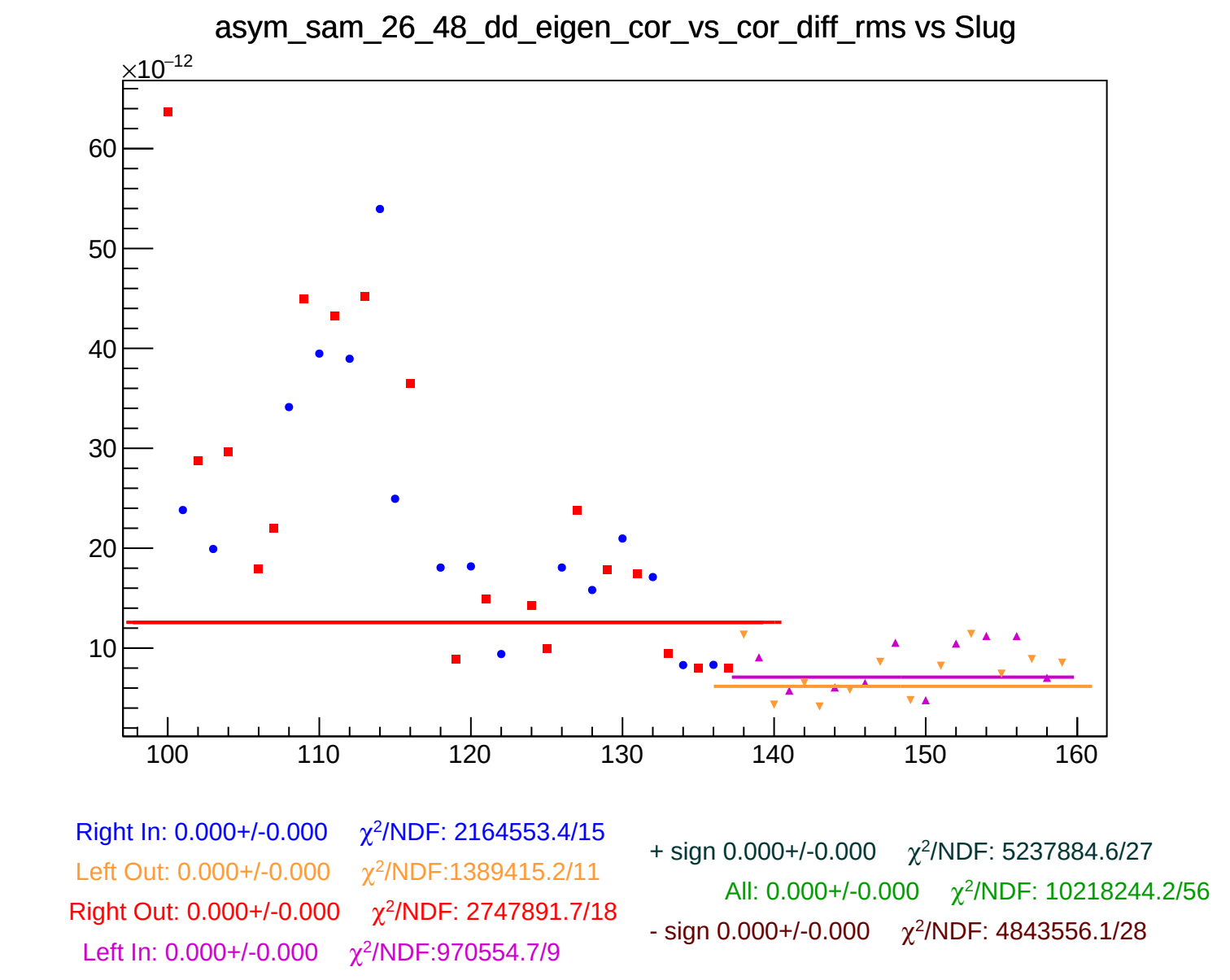
Left In: 36.011+/-0.009 χ^2/NDF:396767.3/9

+ sign 34.015+/-0.006 χ^2/NDF: 3190548.3/27

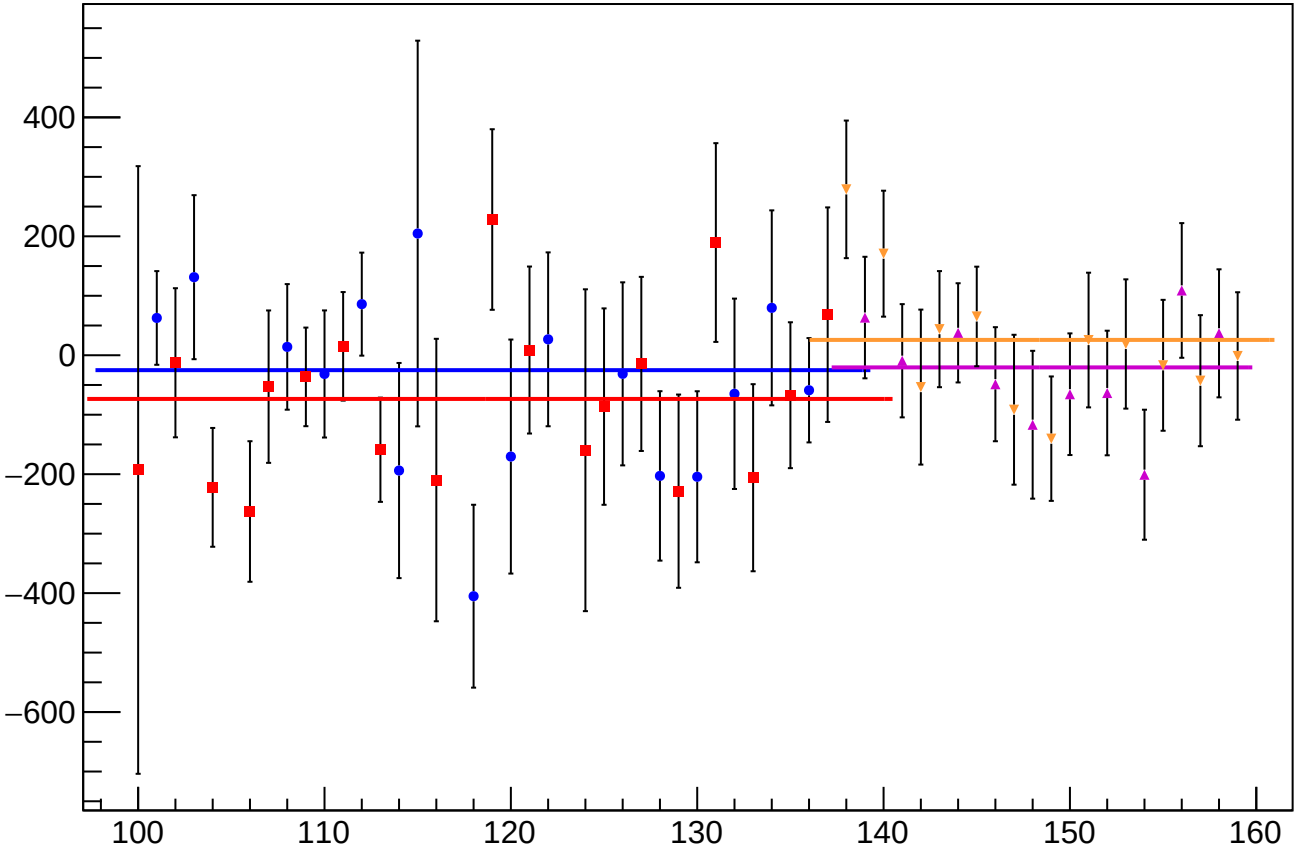
All: 34.771+/-0.005 χ^2/NDF: 5466713.4/56

- sign 35.623+/-0.007 χ^2/NDF: 2245531.9/28


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:7.8/9
+ sign -0.000+/-0.000 χ²/NDF: 36.7/27
All: 0.000+/-0.000 χ²/NDF: 64.5/56
- sign 0.000+/-0.000 χ²/NDF: 25.3/28


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1389415.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:970554.7/9
+ sign 0.000+/-0.000 χ²/NDF: 5237884.6/27
All: 0.000+/-0.000 χ²/NDF: 10218244.2/56
- sign 0.000+/-0.000 χ²/NDF: 4843556.1/28

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

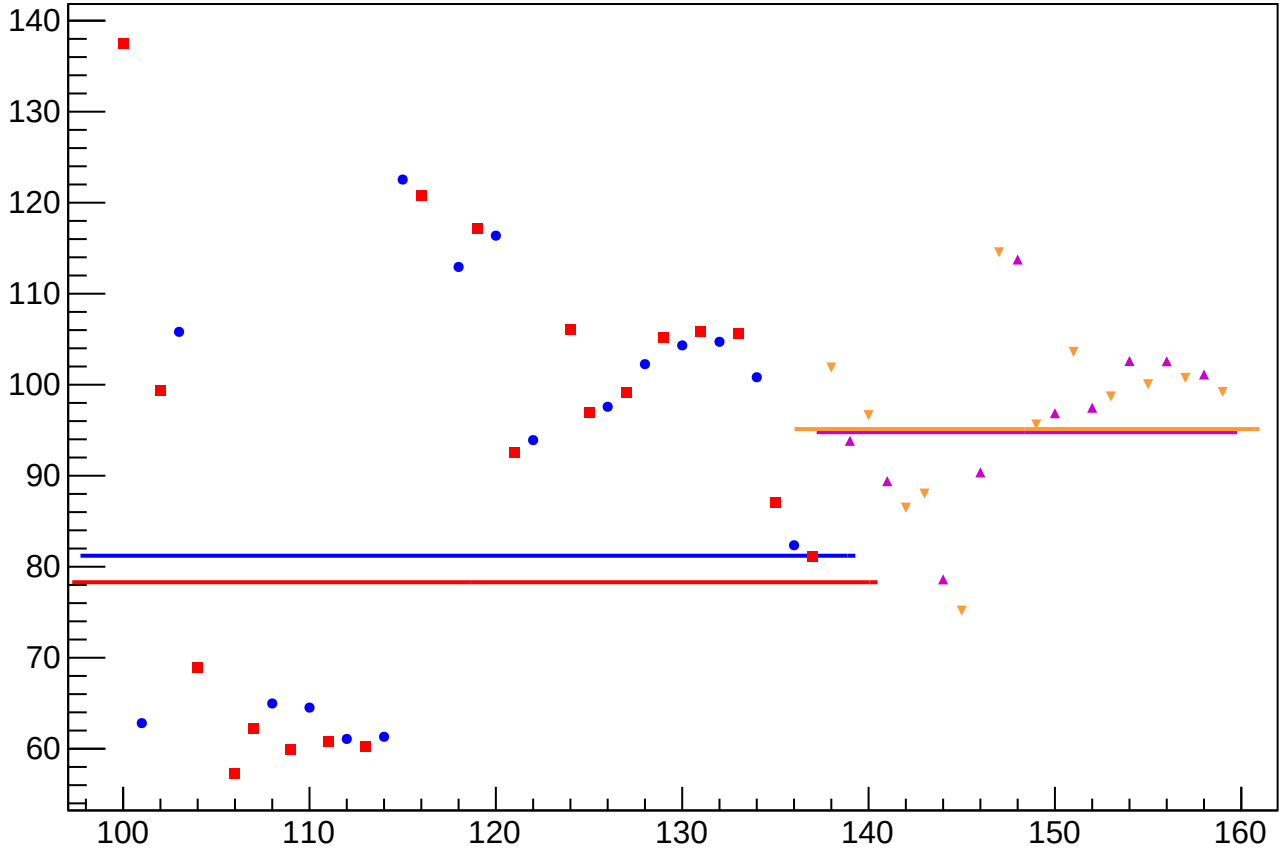
Left In: -20.439+/-32.309 χ^2/NDF:6.5/9

+ sign 0.532+/-22.008 χ^2/NDF: 28.8/27

All: -24.274+/-15.545 χ^2/NDF: 56.1/56

- sign -48.968+/-21.959 χ^2/NDF: 24.8/28

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

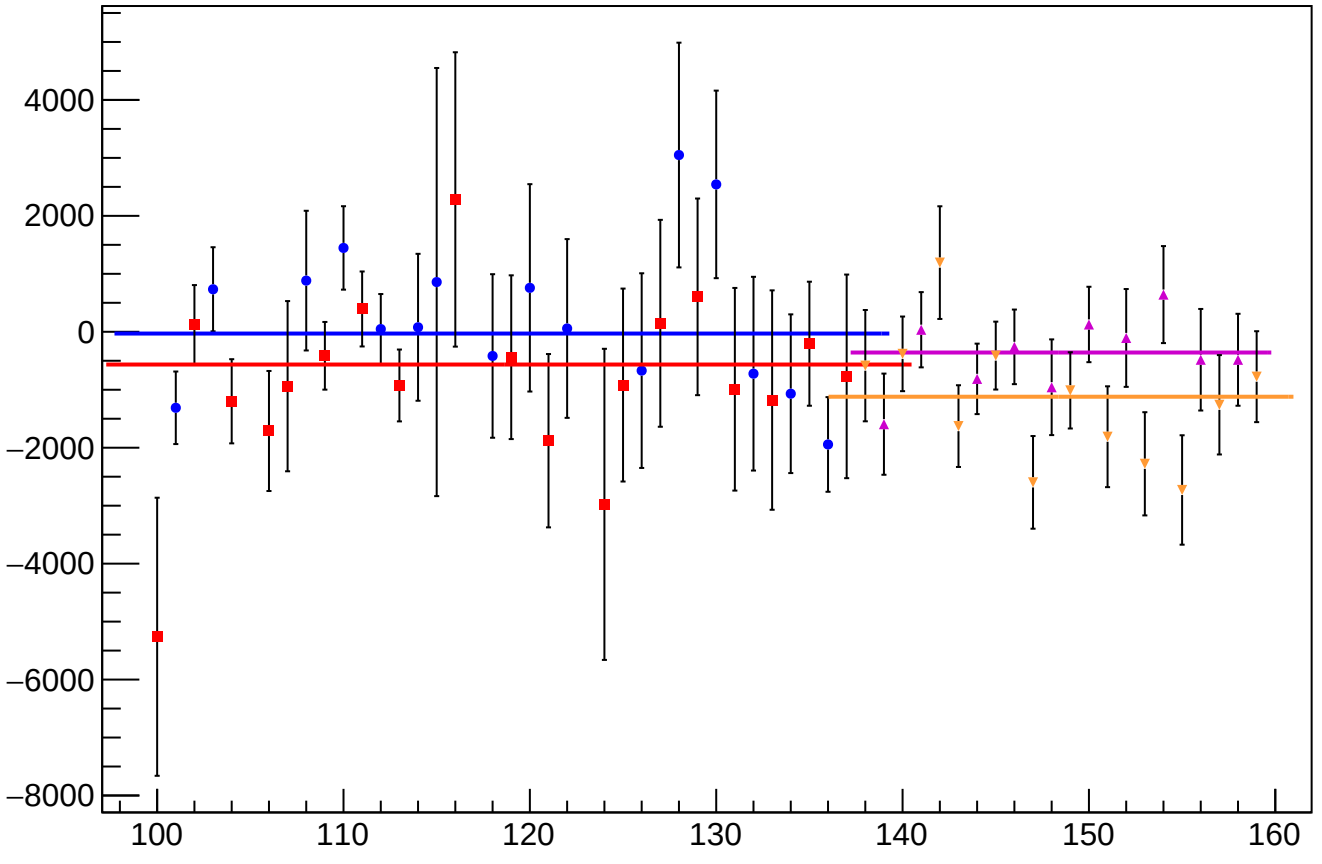
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

+ sign 88.215+/-0.016 χ^2/NDF: 1200820.2/27

All: 87.060+/-0.011 χ^2/NDF: 2587919.7/56

- sign 85.911+/-0.016 χ^2/NDF: 1376114.5/28



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

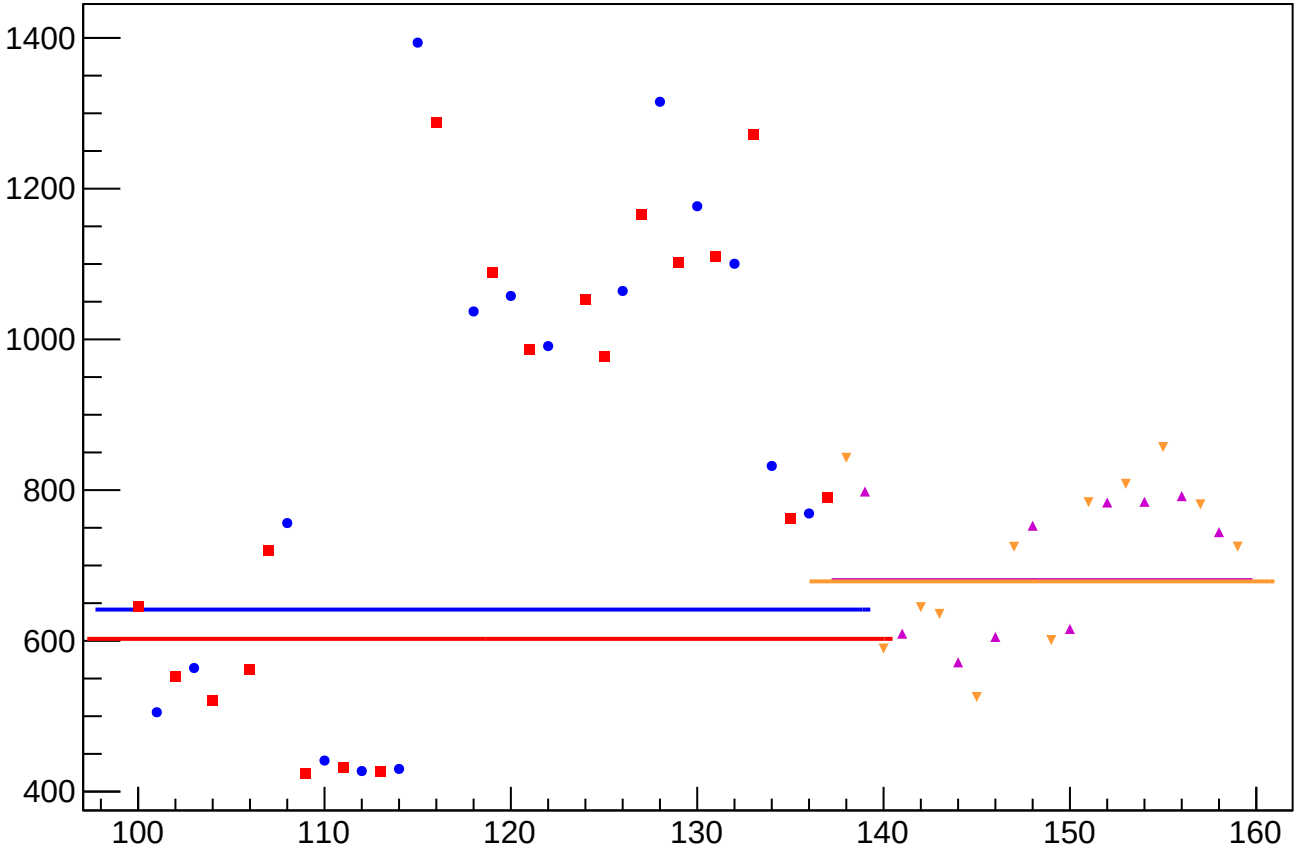
Left In: -357.805+/-233.360 χ^2/NDF:5.6/9

\+ sign -651.478+/-168.568 χ^2/NDF: 50.3/27

All: -554.270+/-118.564 χ^2/NDF: 70.2/56

\- sign -459.096+/-166.795 χ^2/NDF: 19.3/28

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

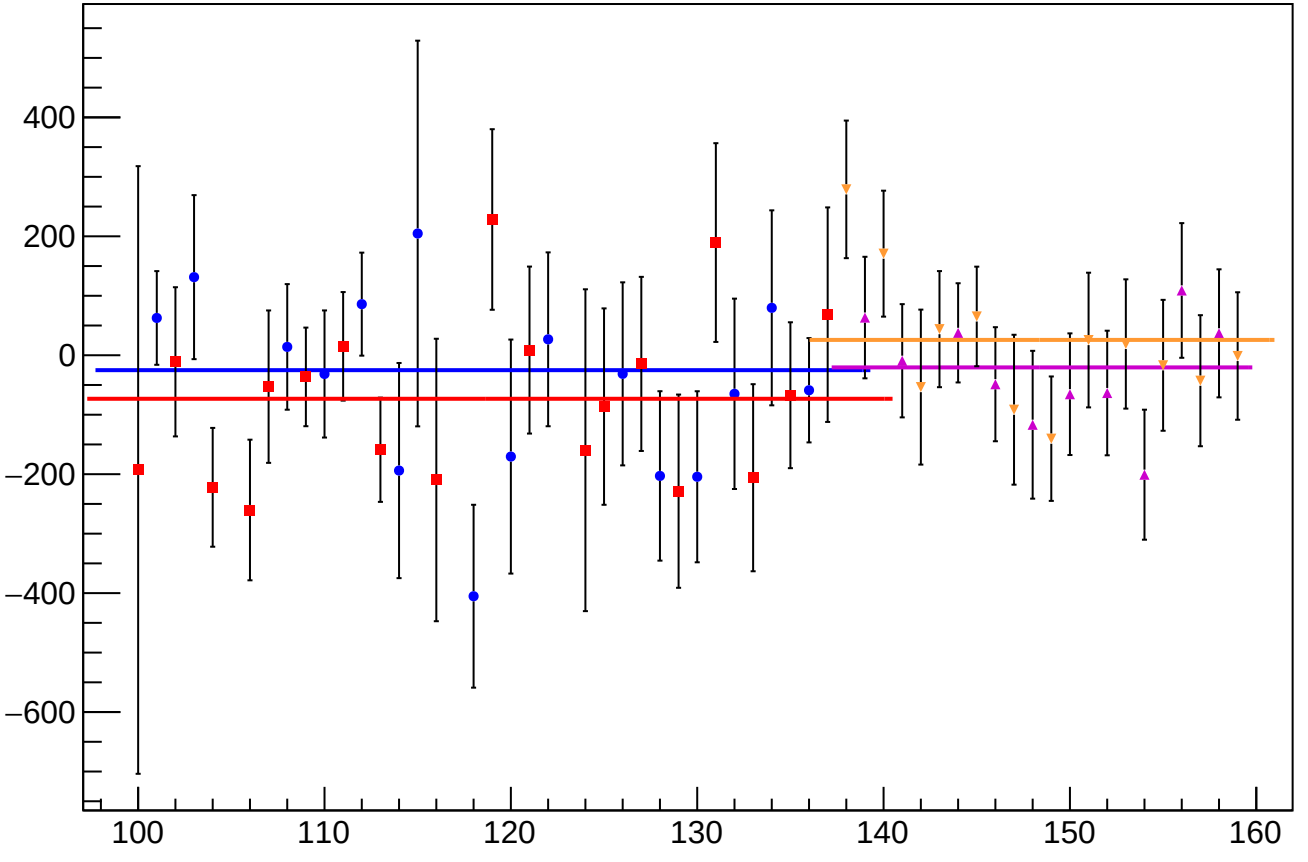
Left In: 680.630+/-0.165 χ^2/NDF:293164.8/9

+ sign 662.822+/-0.119 χ^2/NDF: 2355853.4/27

All: 652.548+/-0.084 χ^2/NDF: 4843253.1/56

- sign 642.490+/-0.118 χ^2/NDF: 2472698.3/28

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

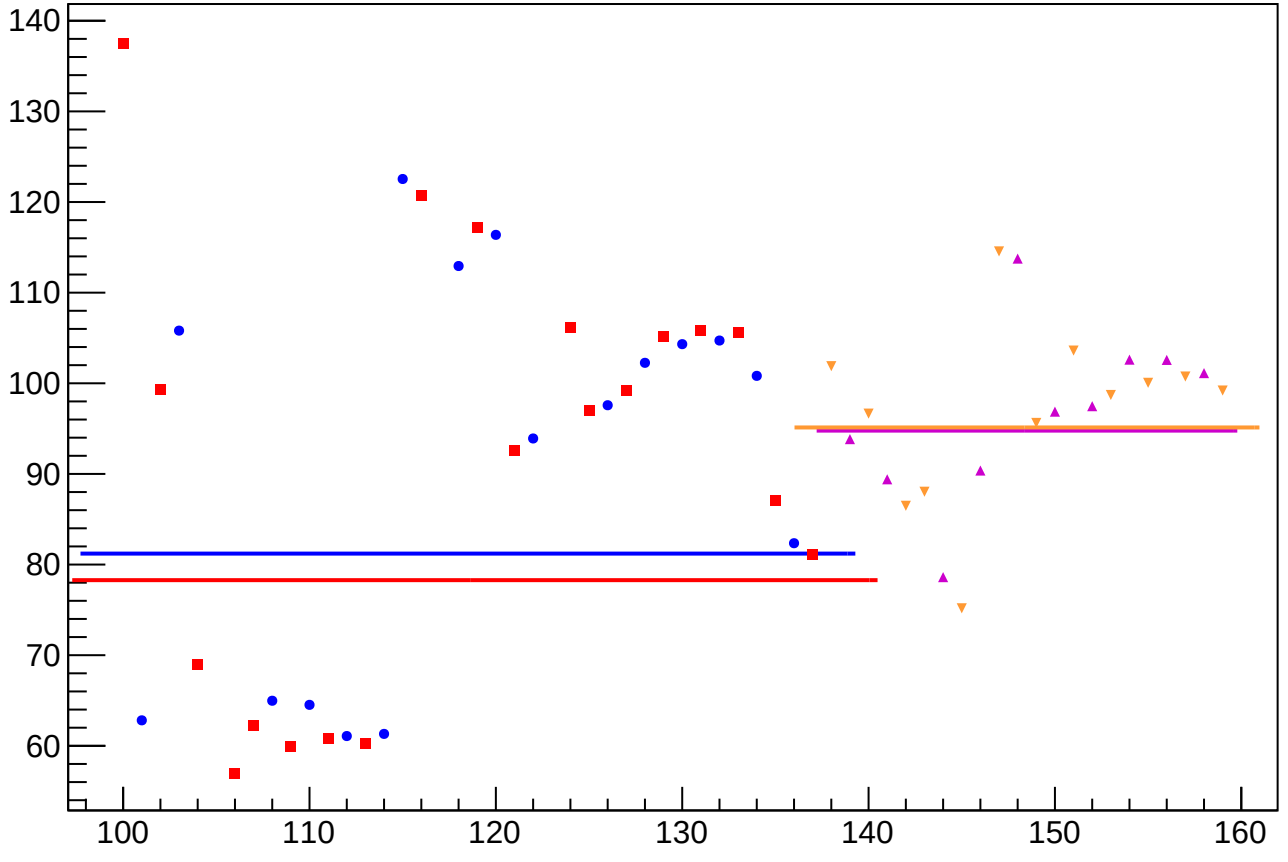
Left In: -20.440+/-32.309 χ^2/NDF:6.5/9

+ sign 0.531+/-22.008 χ^2/NDF: 28.8/27

All: -24.202+/-15.545 χ^2/NDF: 56.0/56

- sign -48.824+/-21.959 χ^2/NDF: 24.7/28

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

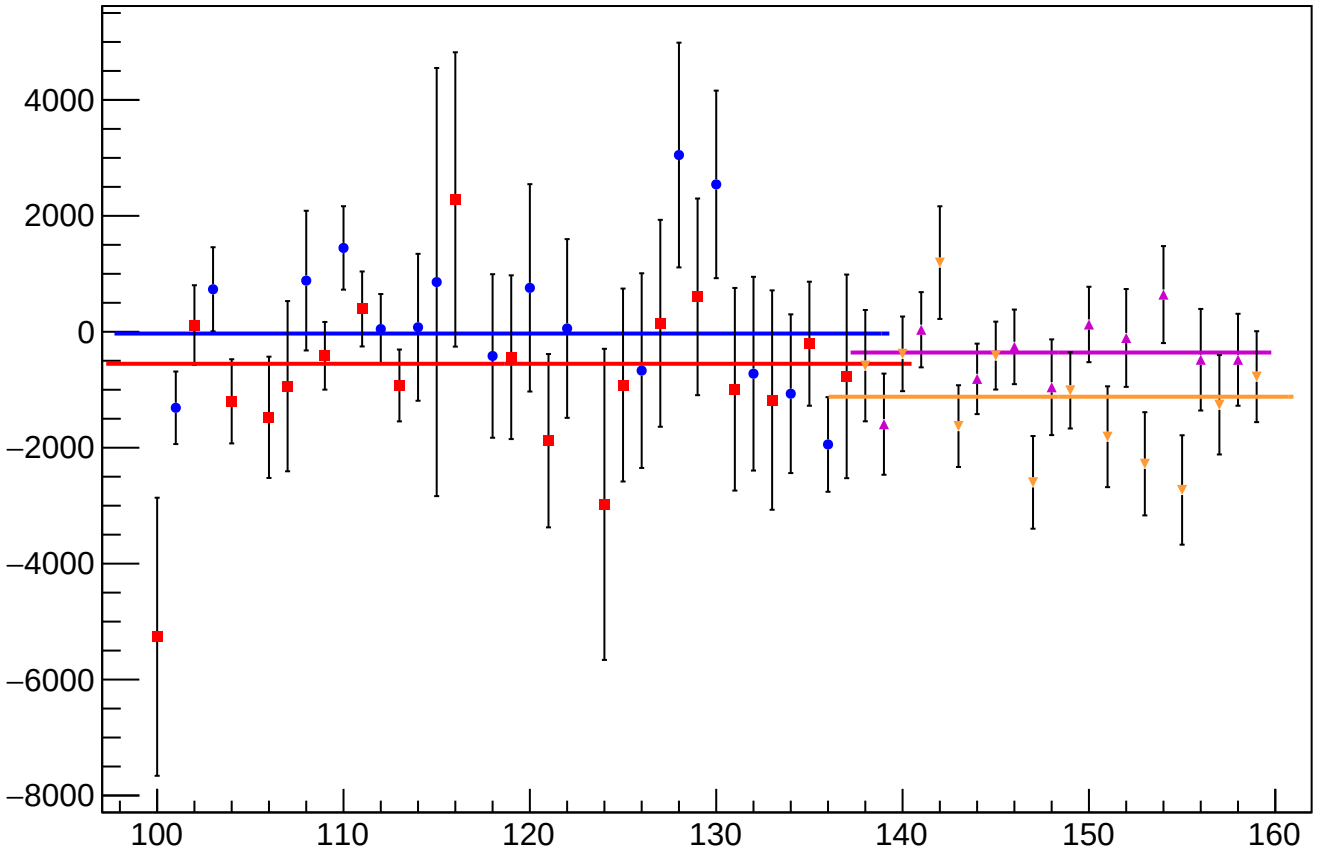
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

+ sign 88.215+/-0.016 χ^2/NDF: 1200822.0/27

All: 87.056+/-0.011 χ^2/NDF: 2590768.7/56

- sign 85.901+/-0.016 χ^2/NDF: 1378871.0/28



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1120.420+/-223.317 χ^2/NDF:18.2/11

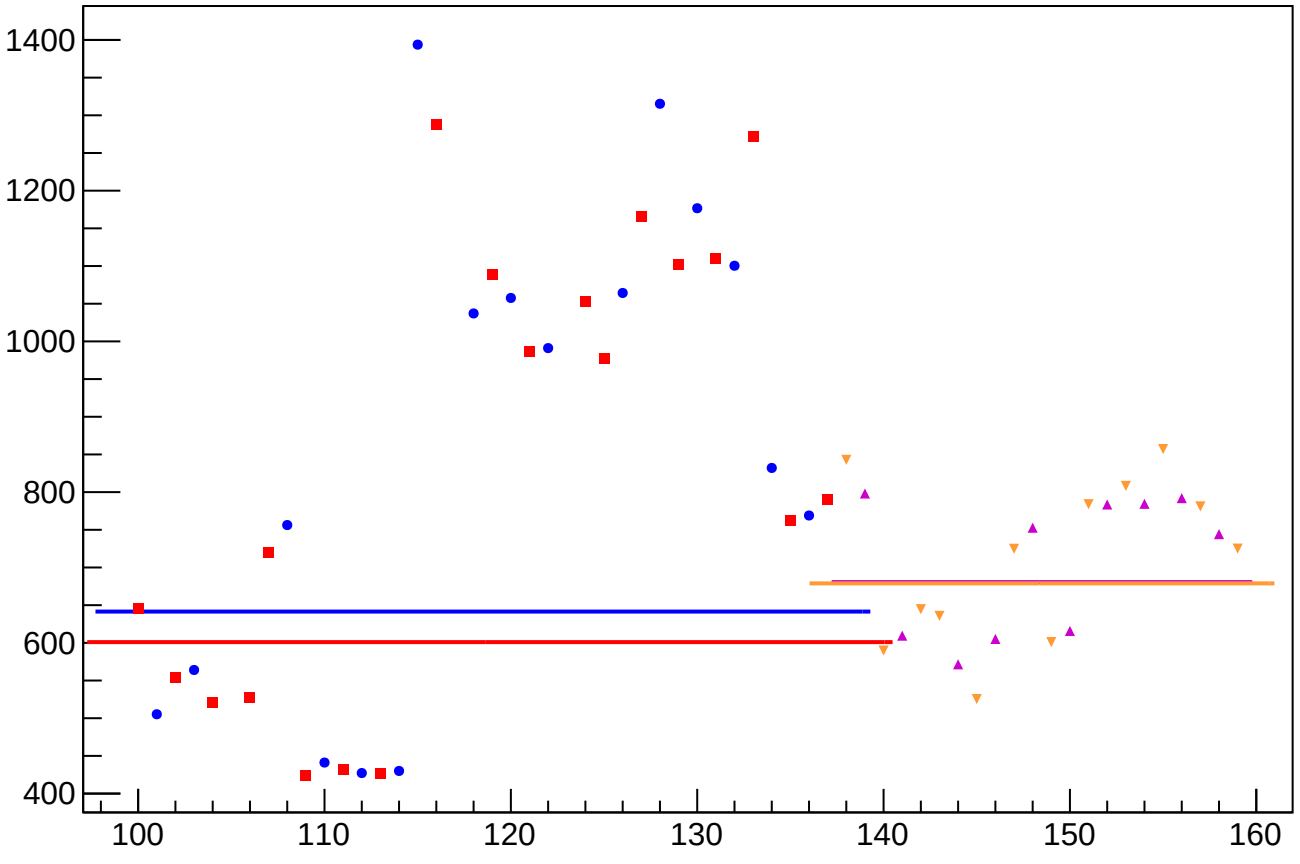
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -357.810+/-233.360 χ^2/NDF:5.6/9

\+ sign -651.495+/-168.569 χ^2/NDF: 50.3/27

All: -551.080+/-118.582 χ^2/NDF: 69.7/56

\- sign -452.708+/-166.846 χ^2/NDF: 18.8/28



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

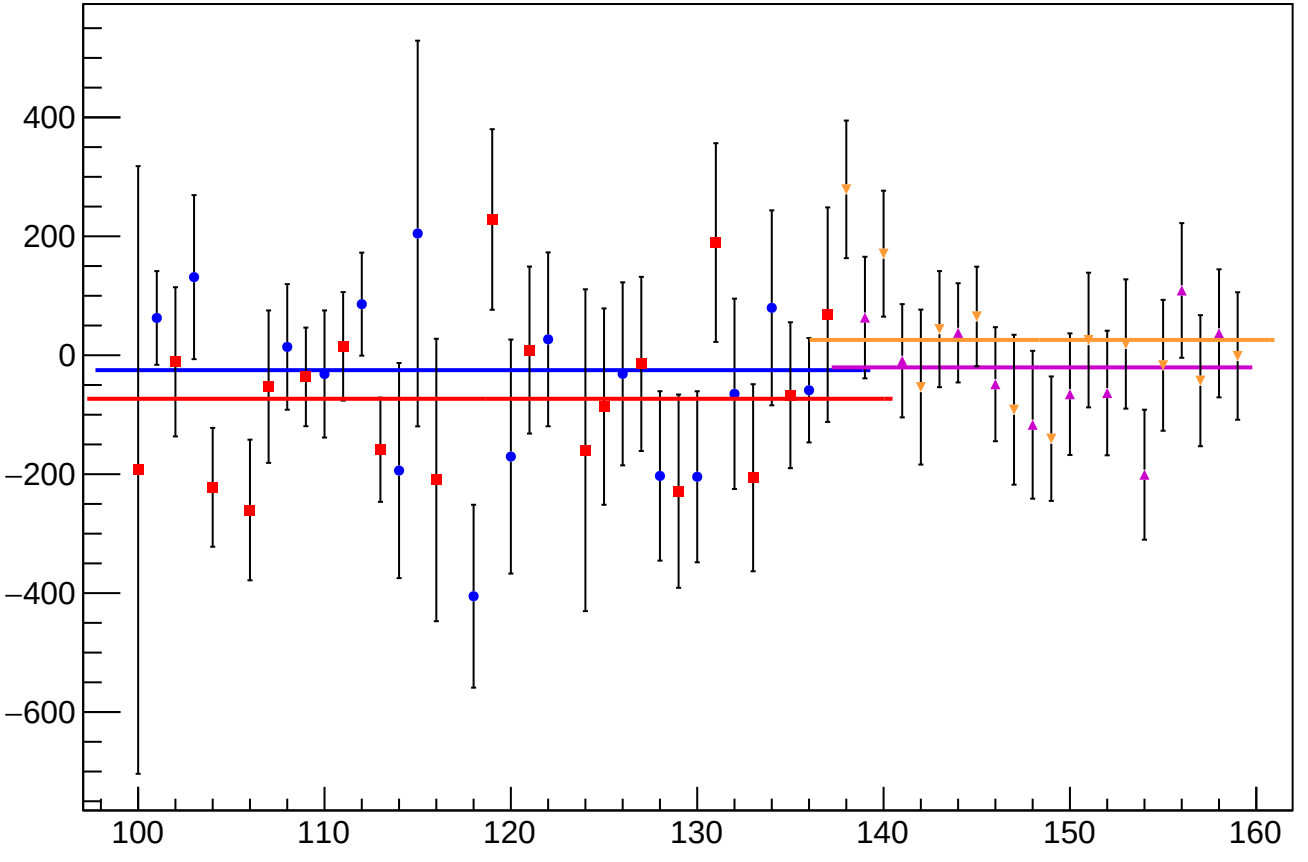
Left In: 680.630+/-0.165 χ^2/NDF:293162.7/9

+ sign 662.826+/-0.119 χ^2/NDF: 2355802.6/27

All: 652.151+/-0.084 χ^2/NDF: 4855980.4/56

- sign 641.694+/-0.118 χ^2/NDF: 2484301.3/28

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

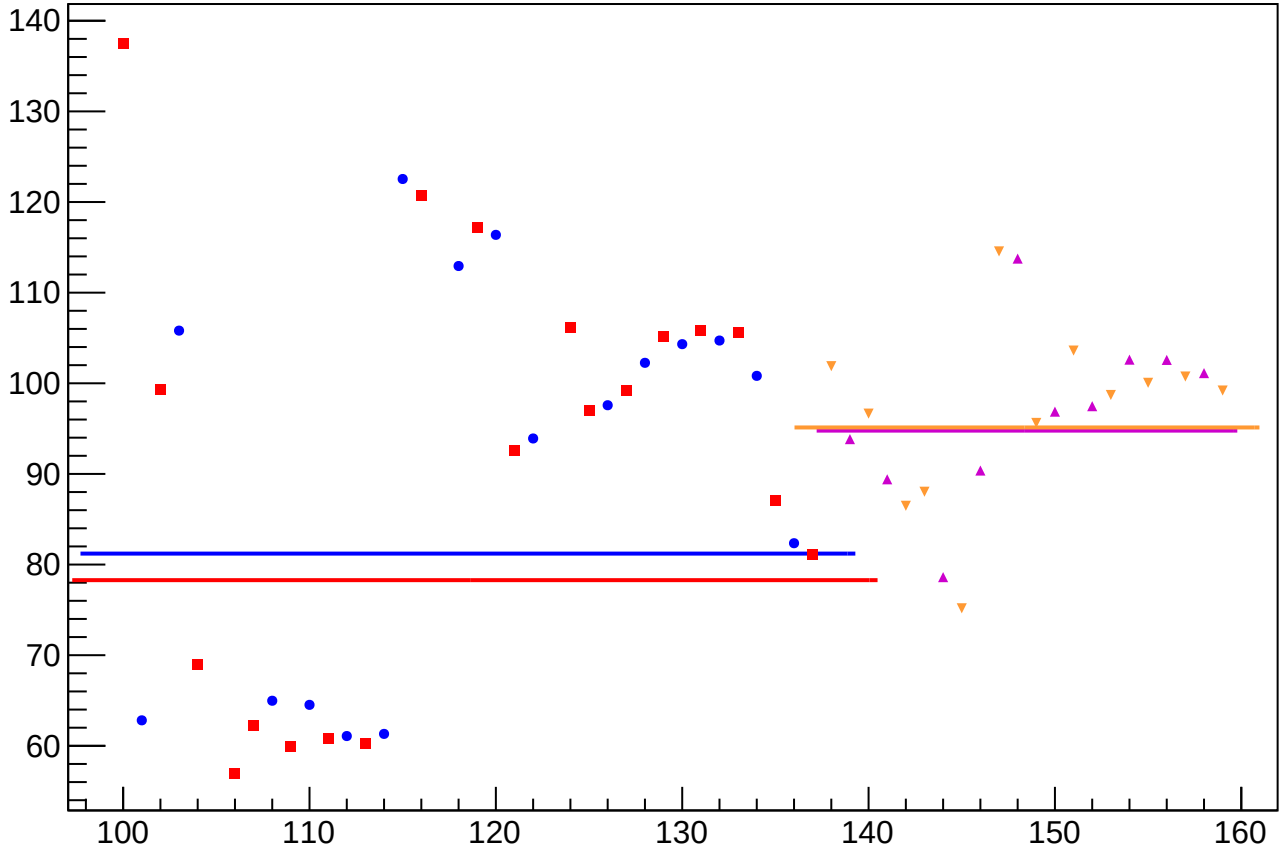
Left In: -20.440+/-32.309 χ^2/NDF:6.5/9

+ sign 0.531+/-22.008 χ^2/NDF: 28.8/27

All: -24.202+/-15.545 χ^2/NDF: 56.0/56

- sign -48.824+/-21.959 χ^2/NDF: 24.7/28

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

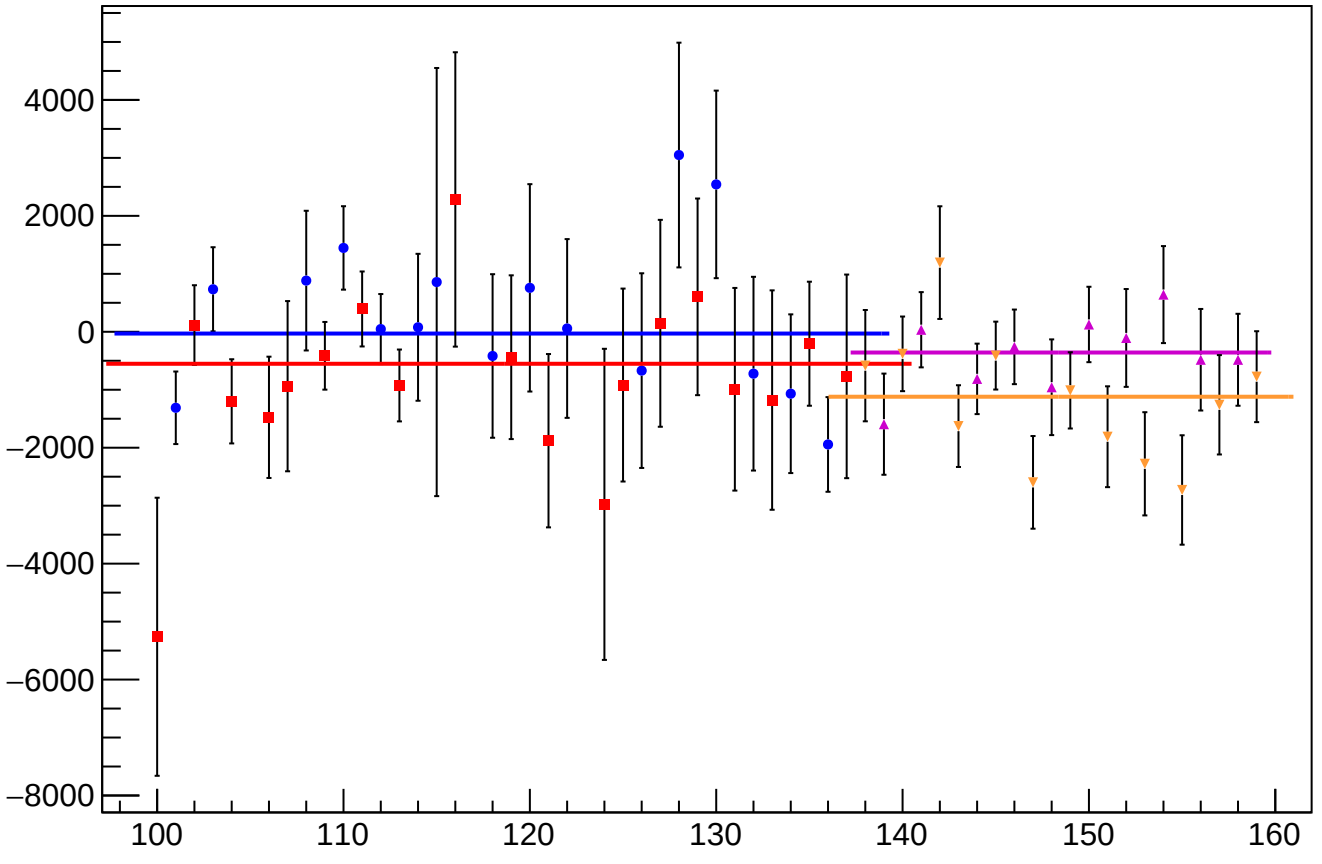
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 94.780+/-0.023 χ^2/NDF:161388.3/9

+ sign 88.215+/-0.016 χ^2/NDF: 1200822.0/27

All: 87.056+/-0.011 χ^2/NDF: 2590768.7/56

- sign 85.901+/-0.016 χ^2/NDF: 1378871.0/28



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1120.420+/-223.317 χ^2/NDF:18.2/11

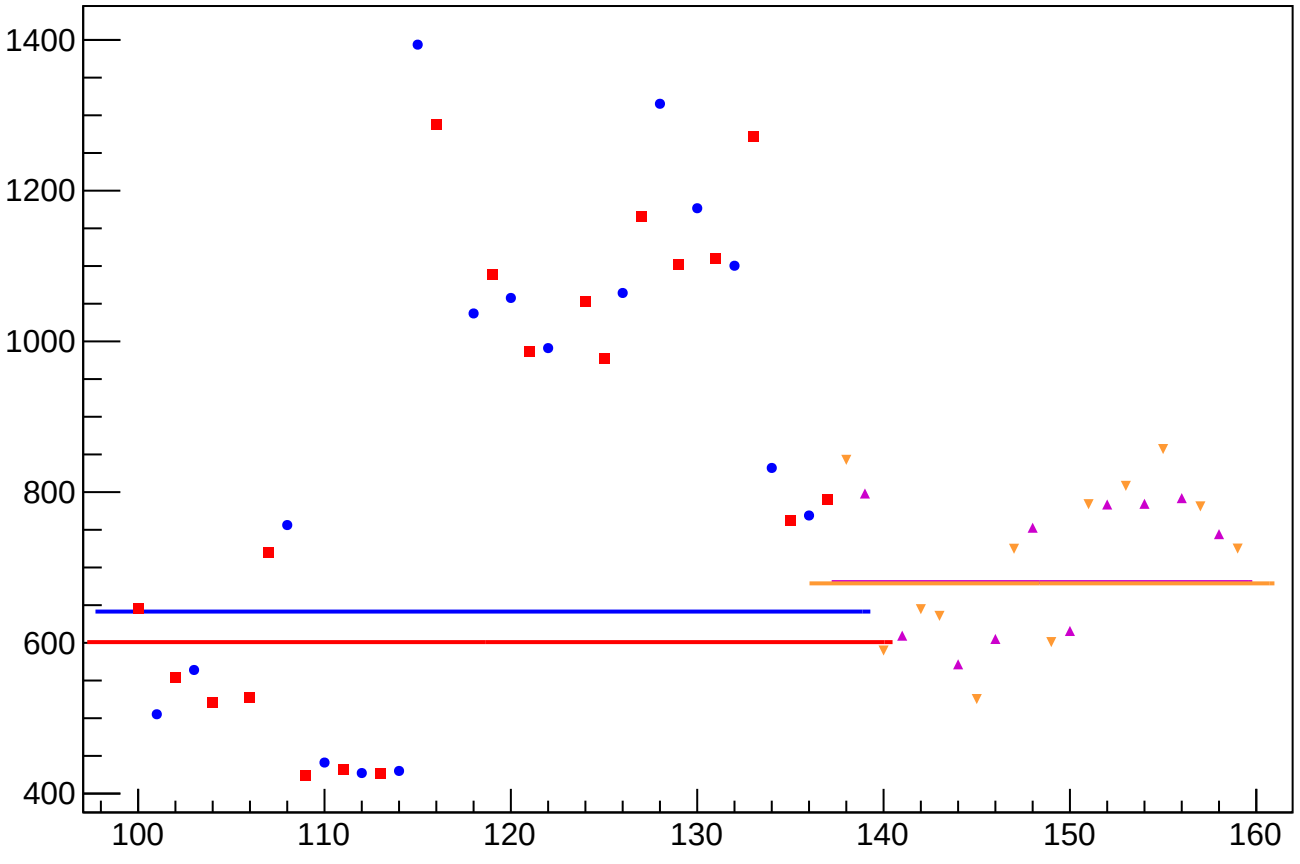
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -357.810+/-233.360 χ^2/NDF:5.6/9

+ sign -651.495+/-168.569 χ^2/NDF: 50.3/27

All: -551.080+/-118.582 χ^2/NDF: 69.7/56

- sign -452.708+/-166.846 χ^2/NDF: 18.8/28



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

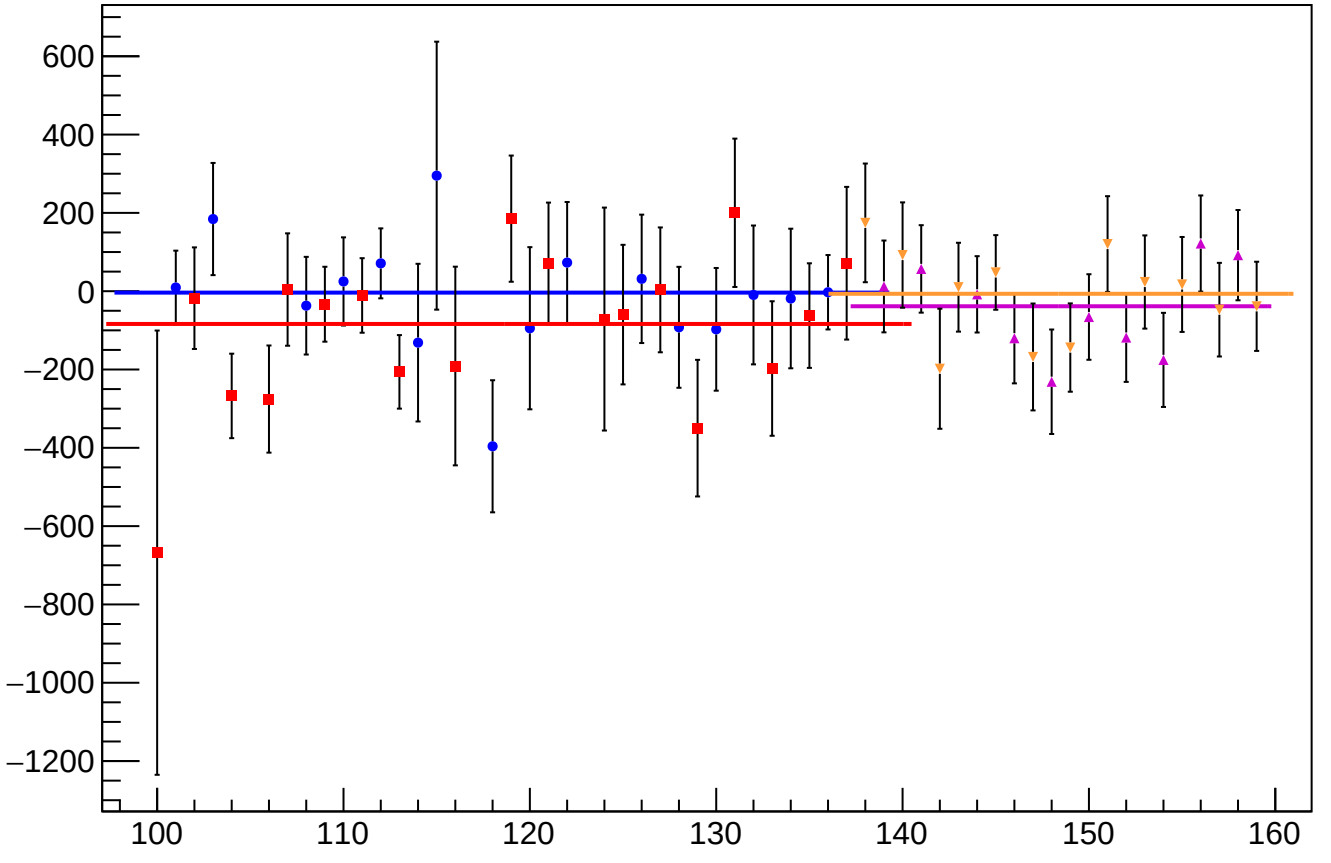
Left In: 680.630+/-0.165 χ^2/NDF:293162.7/9

+ sign 662.826+/-0.119 χ^2/NDF: 2355802.6/27

All: 652.151+/-0.084 χ^2/NDF: 4855980.4/56

- sign 641.694+/-0.118 χ^2/NDF: 2484301.3/28

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

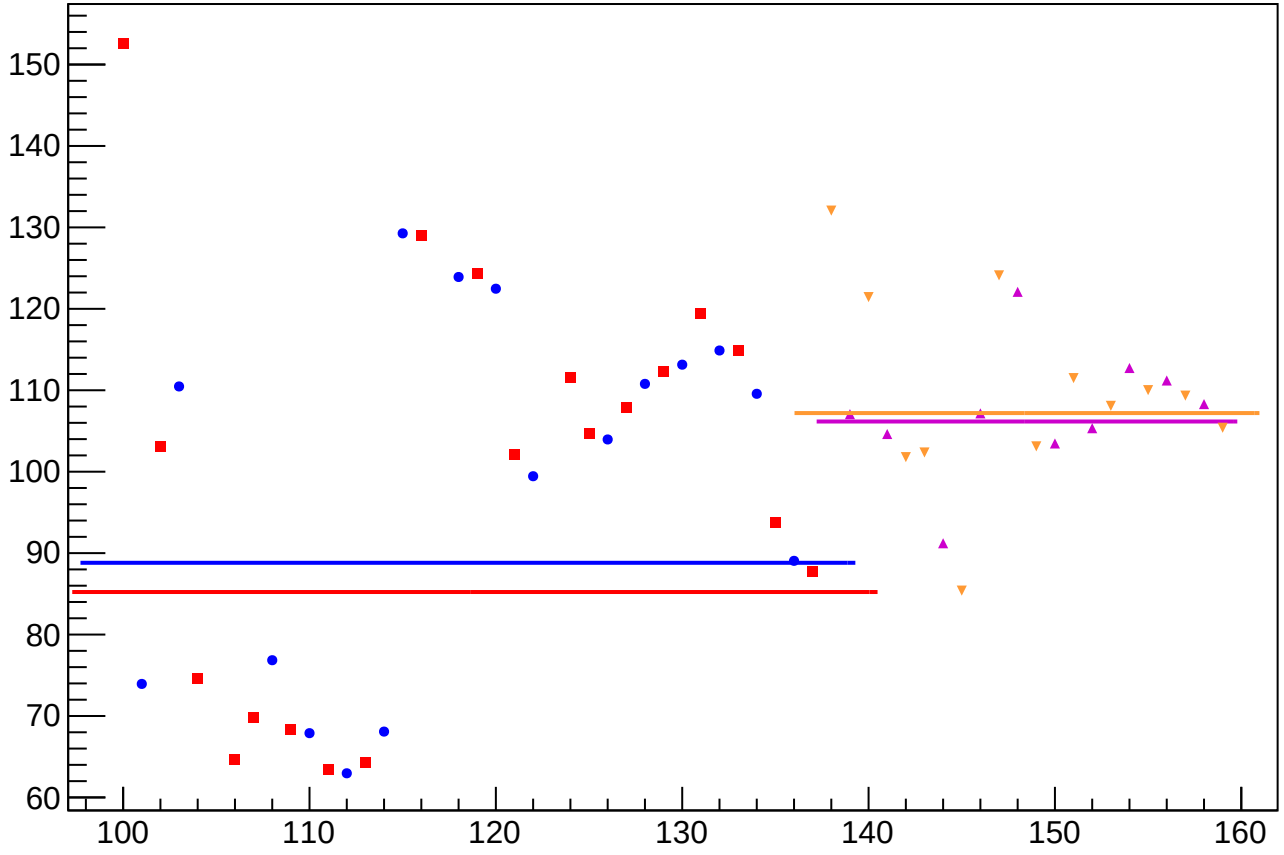
Left In: -38.484+/-36.223 χ^2/NDF:8.4/9

+ sign -5.092+/-24.461 χ^2/NDF: 18.5/27

All: -34.520+/-17.220 χ^2/NDF: 49.7/56

- sign -63.431+/-24.245 χ^2/NDF: 28.4/28

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

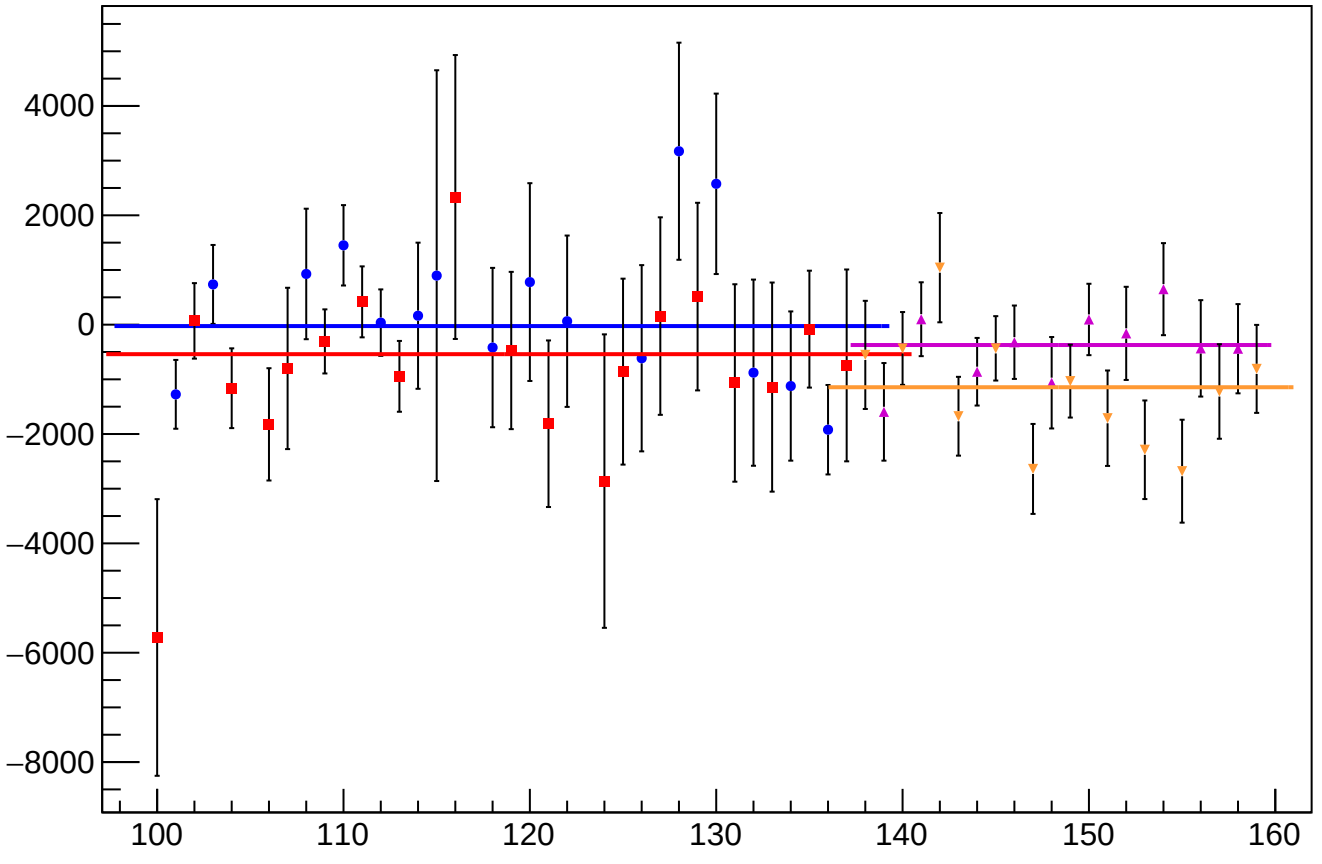
Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 106.163+/-0.026 χ^2/NDF:87552.8/9

+ sign 97.768+/-0.017 χ^2/NDF: 1232121.0/27

All: 96.172+/-0.012 χ^2/NDF: 2589488.4/56

- sign 94.605+/-0.017 χ^2/NDF: 1340500.6/28



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

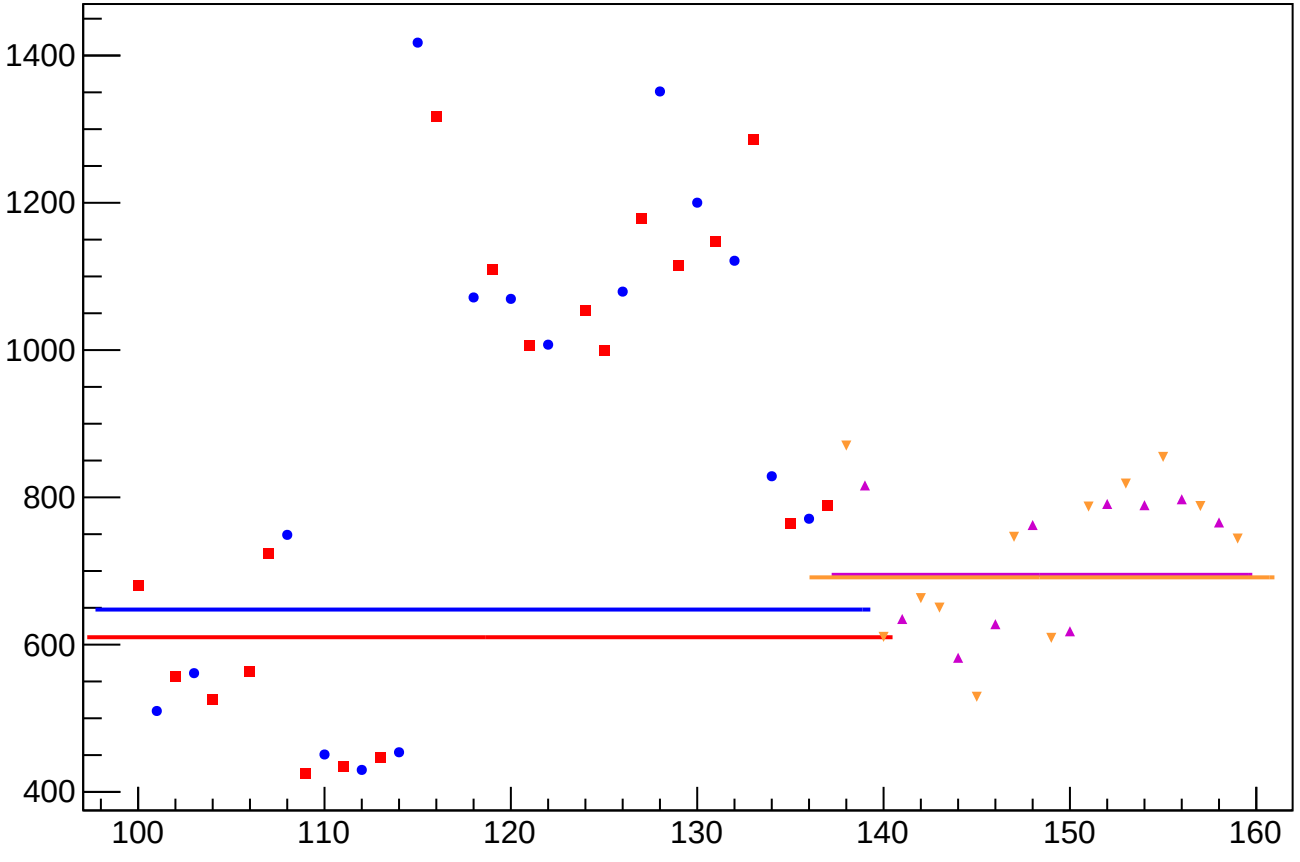
Left In: -372.308+/-238.136 χ^2/NDF:5.7/9

+ sign -658.790+/-170.916 χ^2/NDF: 48.6/27

All: -555.976+/-120.343 χ^2/NDF: 68.9/56

- sign -454.889+/-169.474 χ^2/NDF: 19.6/28

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

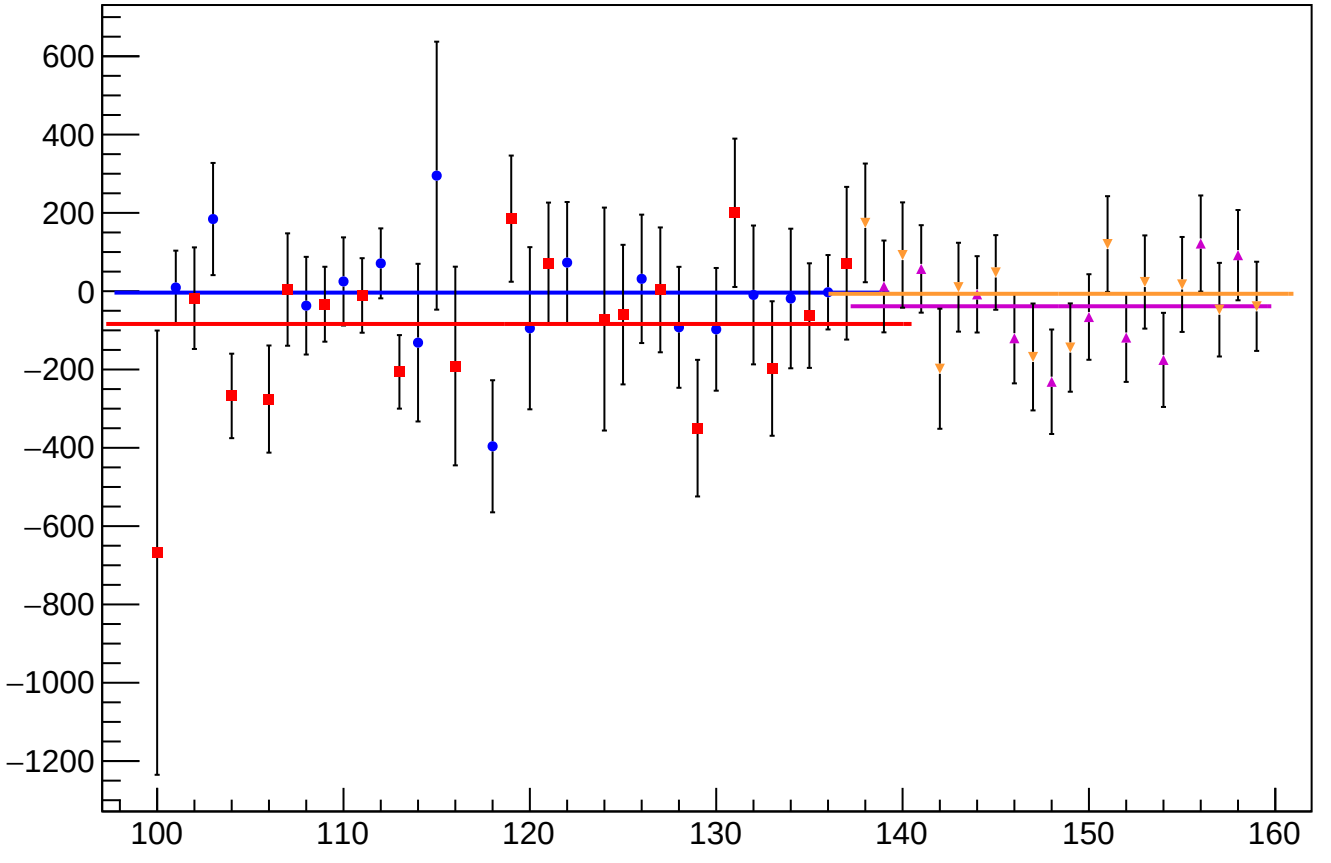
Left In: 694.795+/-0.168 χ^2/NDF:272769.1/9

\+ sign 672.386+/-0.121 χ^2/NDF: 2372328.7/27

All: 662.599+/-0.085 χ^2/NDF: 4857324.1/56

\- sign 652.976+/-0.120 χ^2/NDF: 2471990.1/28

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

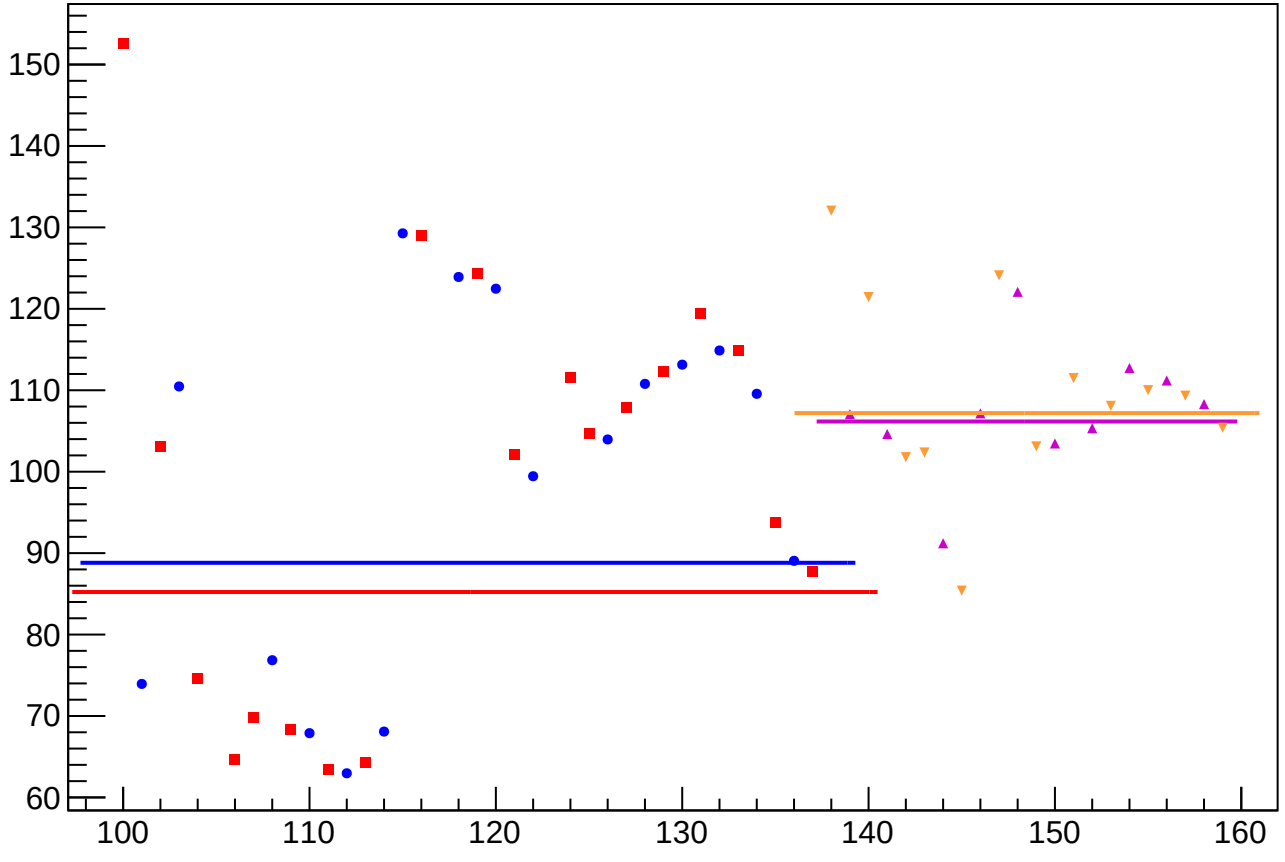
Left In: -38.485+/-36.223 χ^2/NDF:8.4/9

+ sign -5.091+/-24.461 χ^2/NDF: 18.5/27

All: -34.519+/-17.220 χ^2/NDF: 49.7/56

- sign -63.430+/-24.245 χ^2/NDF: 28.4/28

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

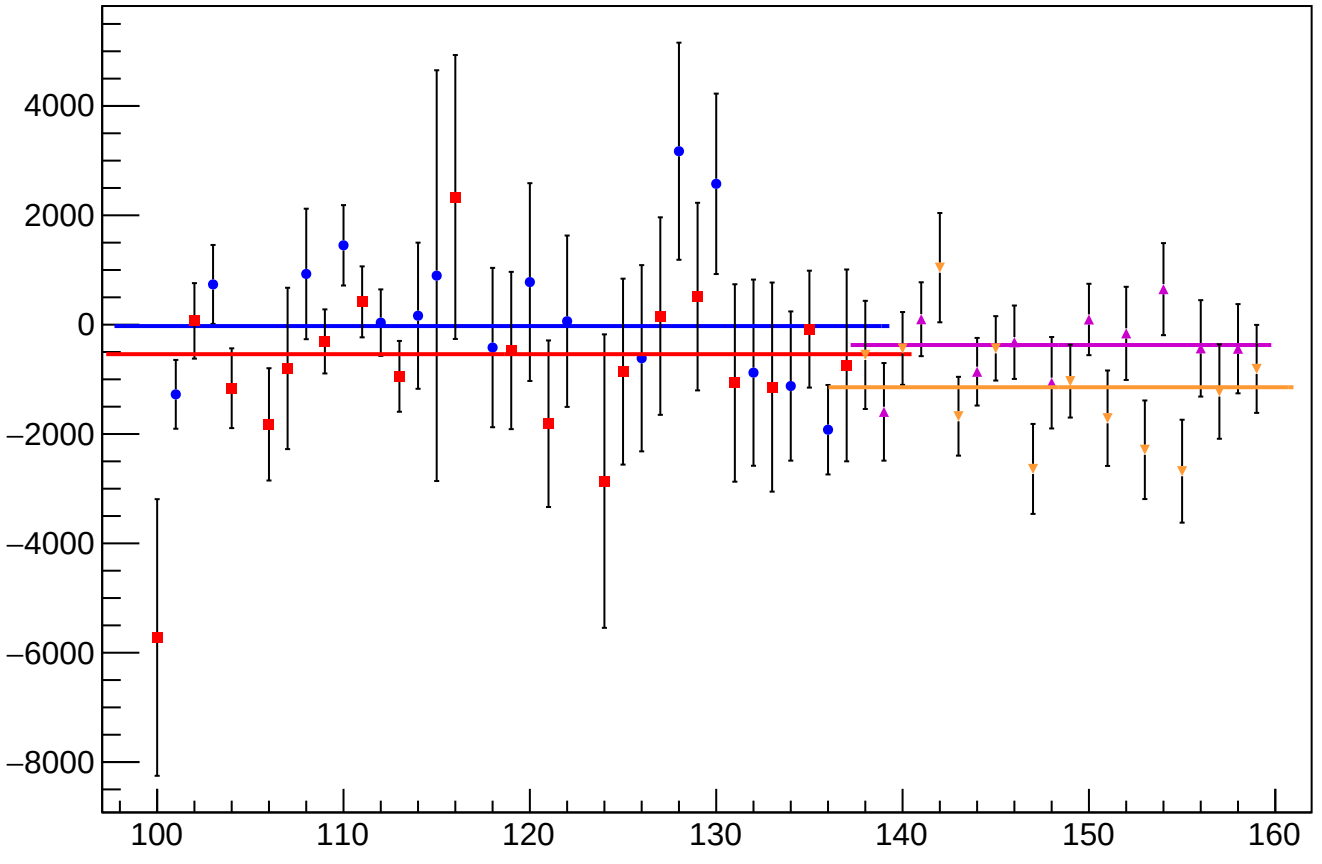
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 106.163+/-0.026 χ^2/NDF:87552.3/9

+ sign 97.768+/-0.017 χ^2/NDF: 1232126.1/27

All: 96.172+/-0.012 χ^2/NDF: 2589503.9/56

- sign 94.605+/-0.017 χ^2/NDF: 1340510.9/28



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1144.432+/-227.207 χ^2/NDF:16.5/11

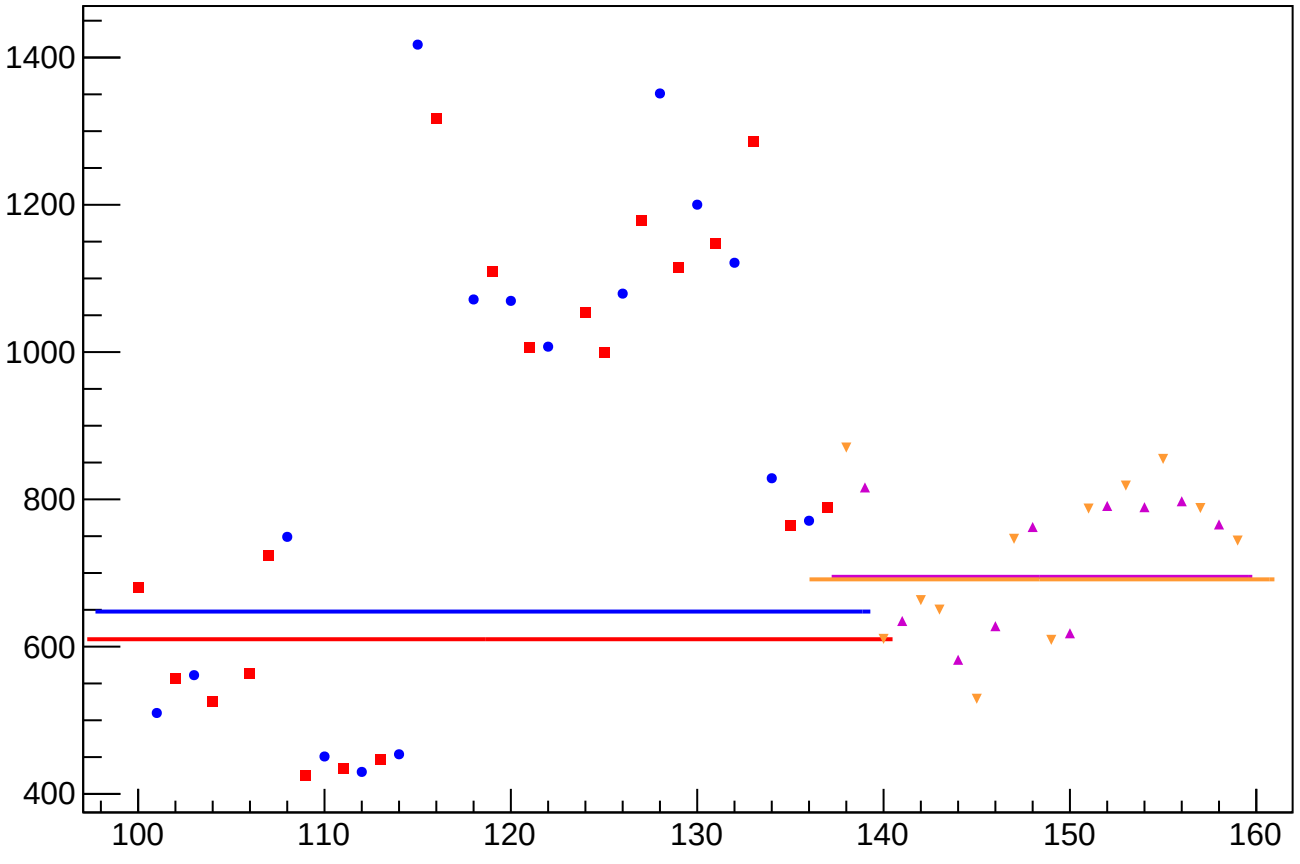
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -372.307+/-238.136 χ^2/NDF:5.7/9

+ sign -658.789+/-170.915 χ^2/NDF: 48.6/27

All: -555.975+/-120.342 χ^2/NDF: 68.9/56

- sign -454.888+/-169.474 χ^2/NDF: 19.6/28



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

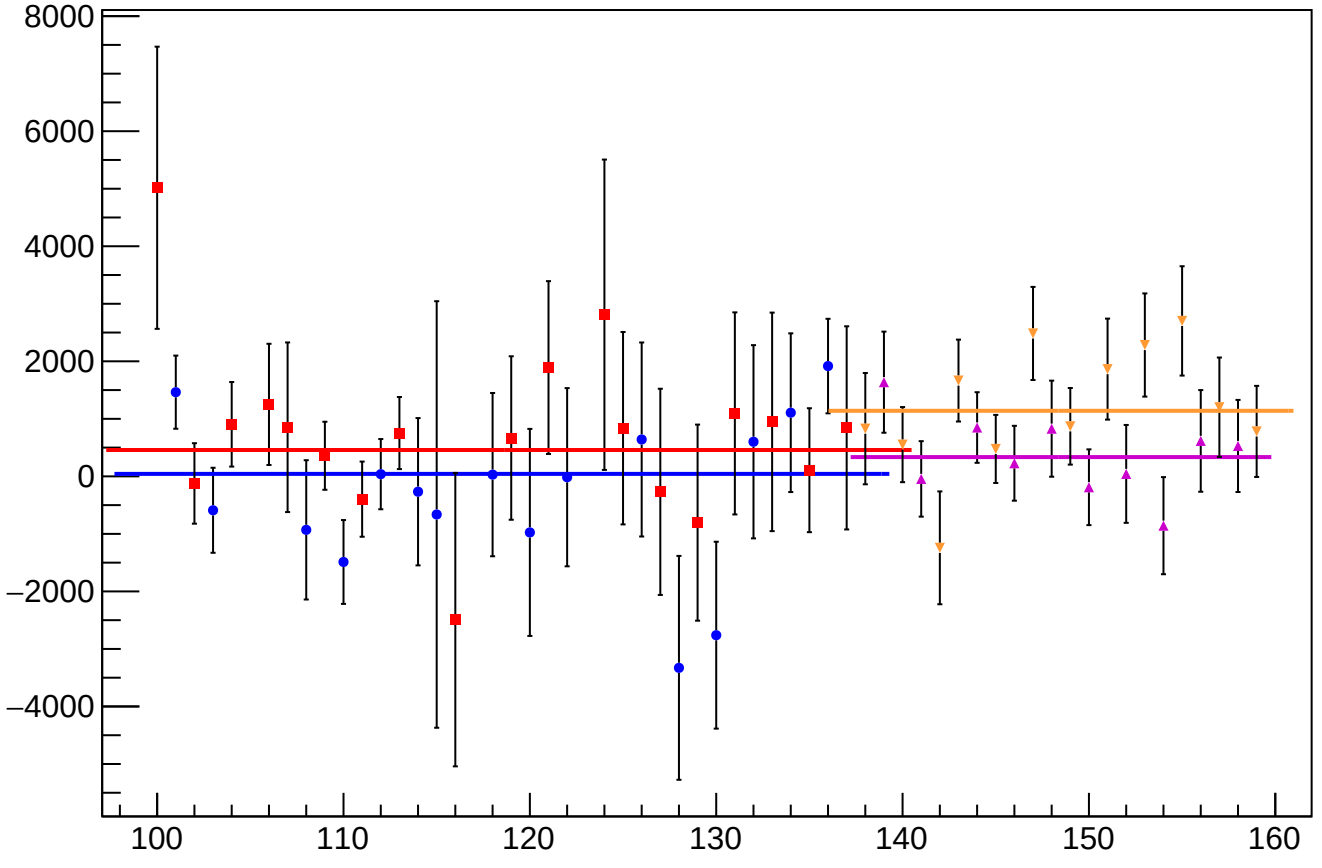
Left In: 694.795+/-0.168 χ^2/NDF:272767.2/9

+ sign 672.385+/-0.121 χ^2/NDF: 2372335.0/27

All: 662.598+/-0.085 χ^2/NDF: 4857333.2/56

- sign 652.976+/-0.120 χ^2/NDF: 2471993.1/28

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

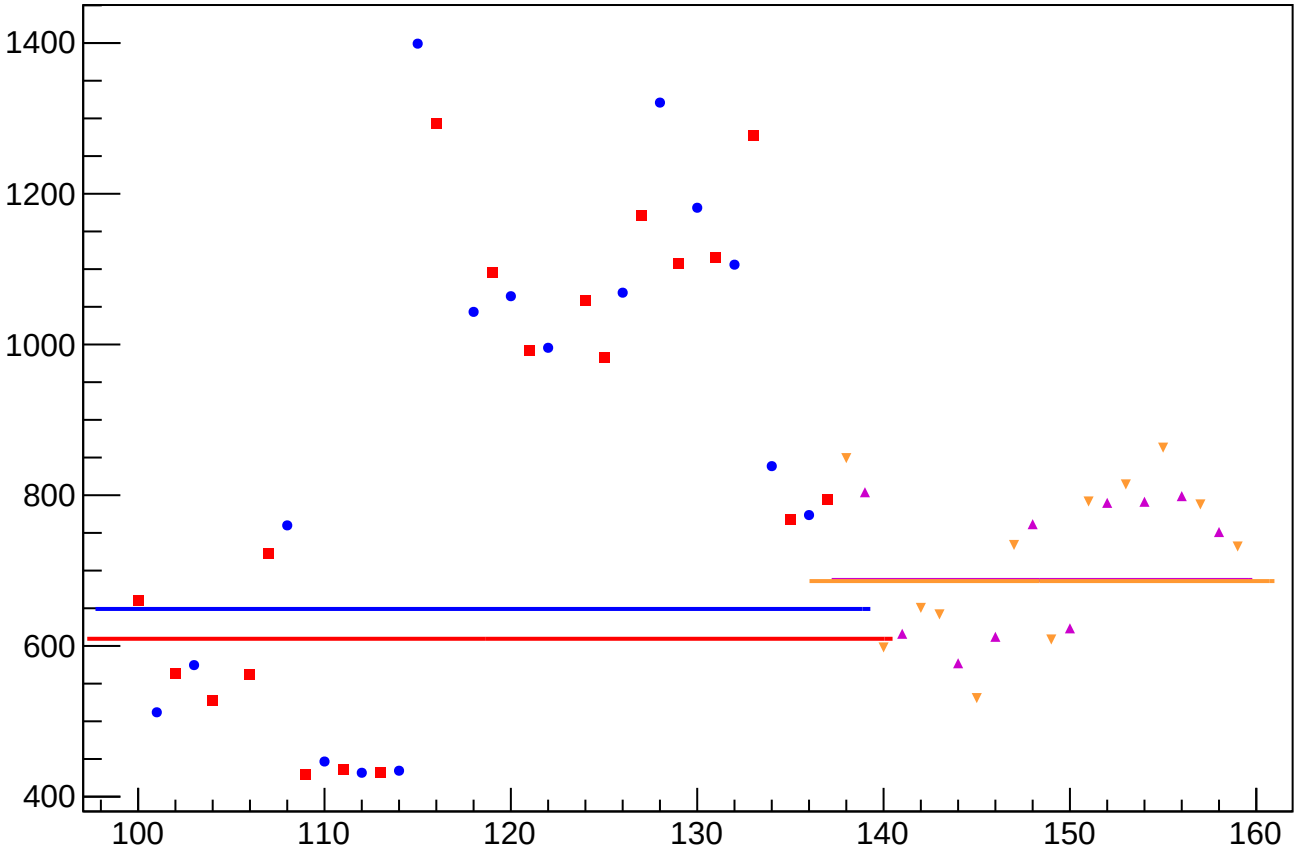
Left In: 335.078+/-235.695 χ^2/NDF:6.5/9

+ sign 668.325+/-170.341 χ^2/NDF: 50.1/27

All: 530.314+/-119.809 χ^2/NDF: 69.3/56

- sign 395.195+/-168.546 χ^2/NDF: 17.9/28

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

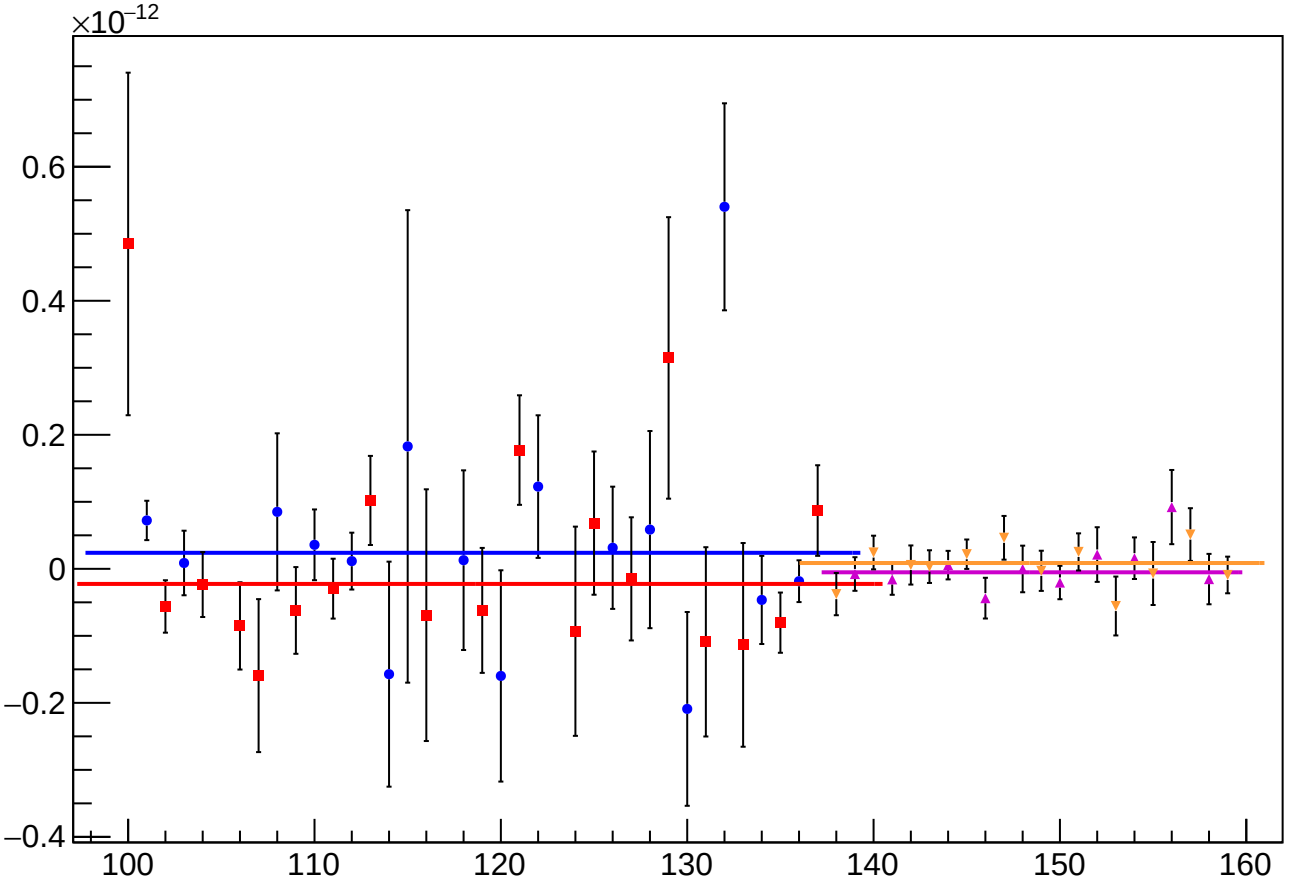
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 687.585+/-0.167 χ^2/NDF:288685.5/9

+ sign 670.174+/-0.120 χ^2/NDF: 2318042.1/27

All: 659.697+/-0.085 χ^2/NDF: 4772511.4/56

- sign 649.438+/-0.119 χ^2/NDF: 2439493.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/11

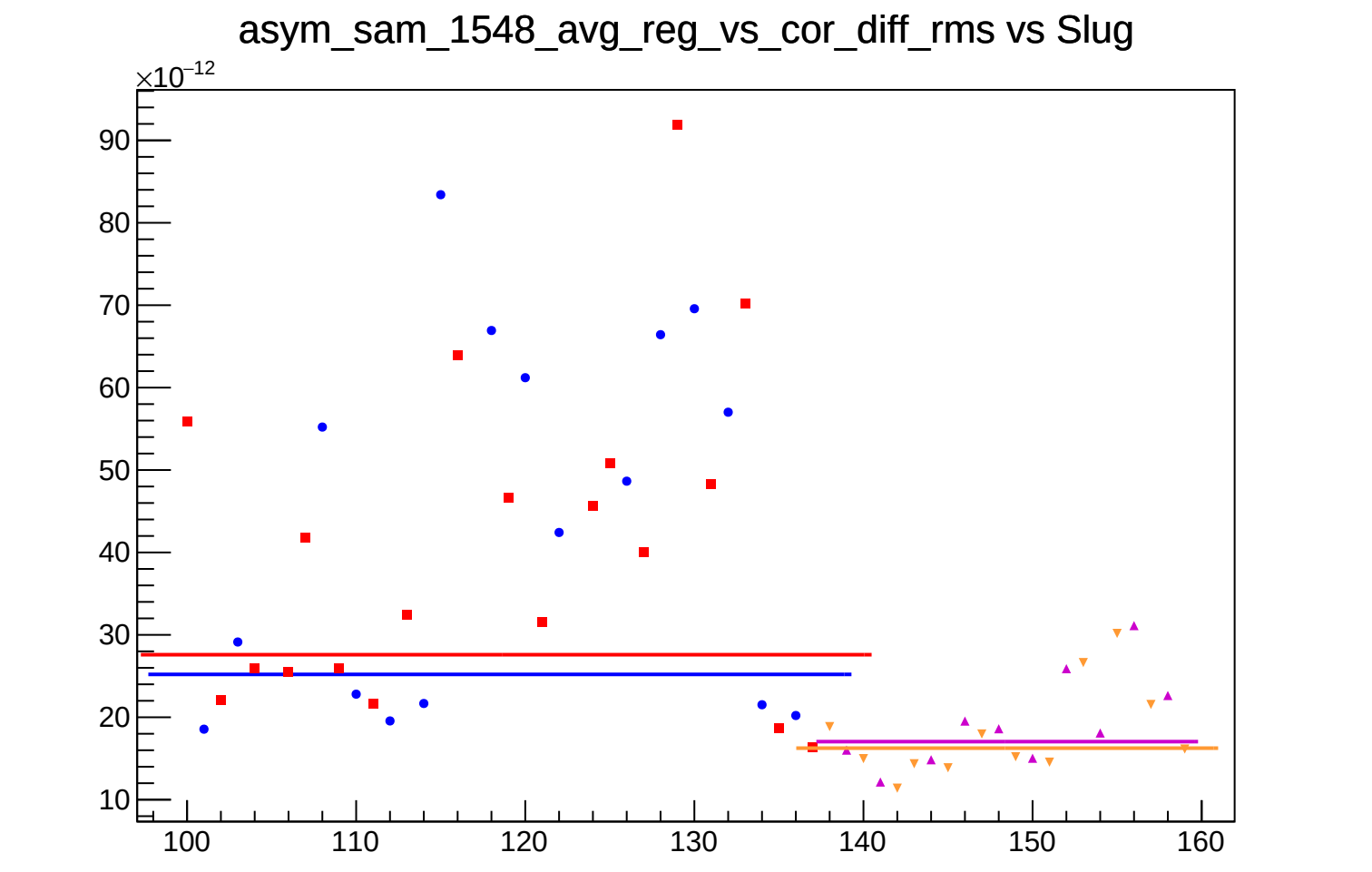
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 33.0/27

All: 0.000+/-0.000 χ^2/NDF: 70.0/56

- sign -0.000+/-0.000 χ^2/NDF: 33.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:448791.2/11

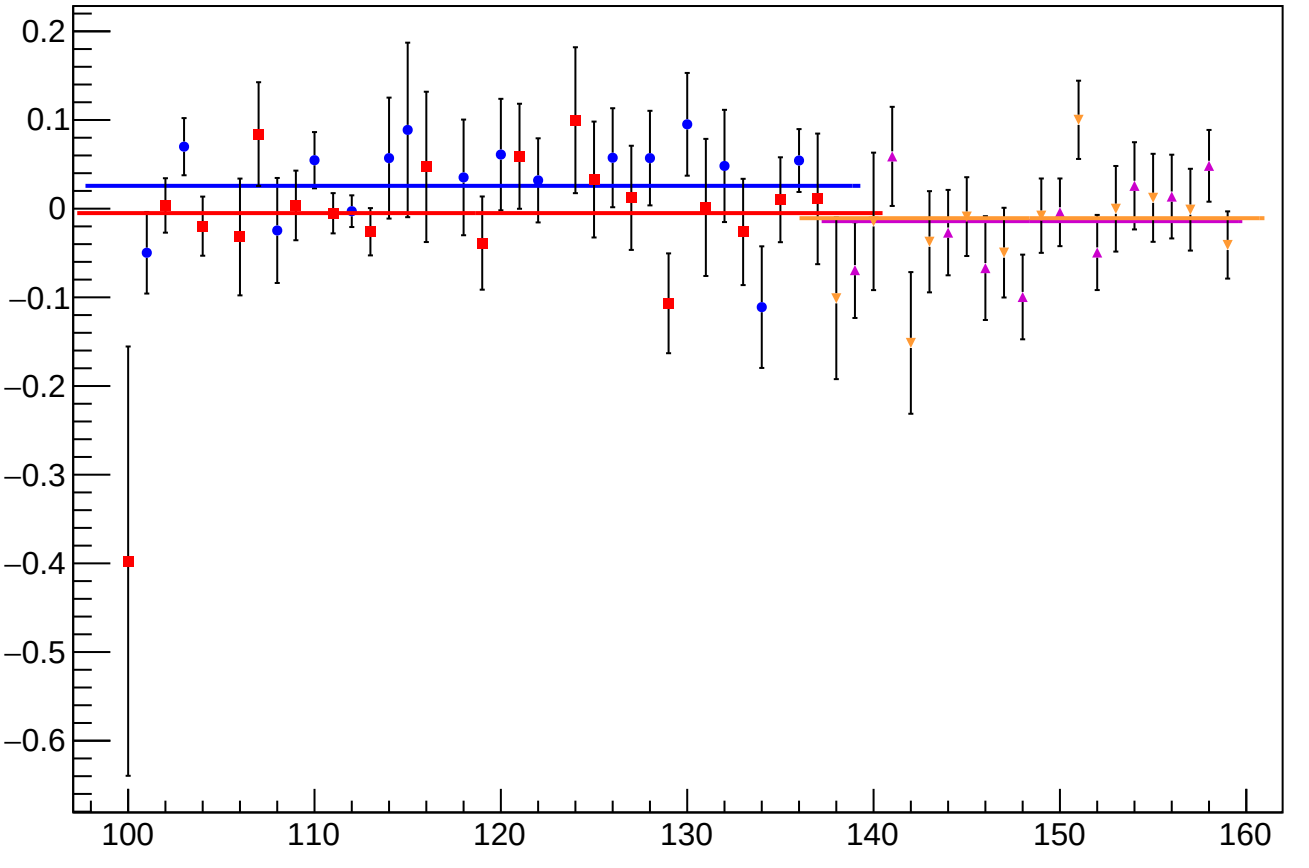
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:415849.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 2288515.7/27

All: 0.000+/-0.000 χ^2/NDF: 4349666.3/56

- sign 0.000+/-0.000 χ^2/NDF: 2037401.5/28



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

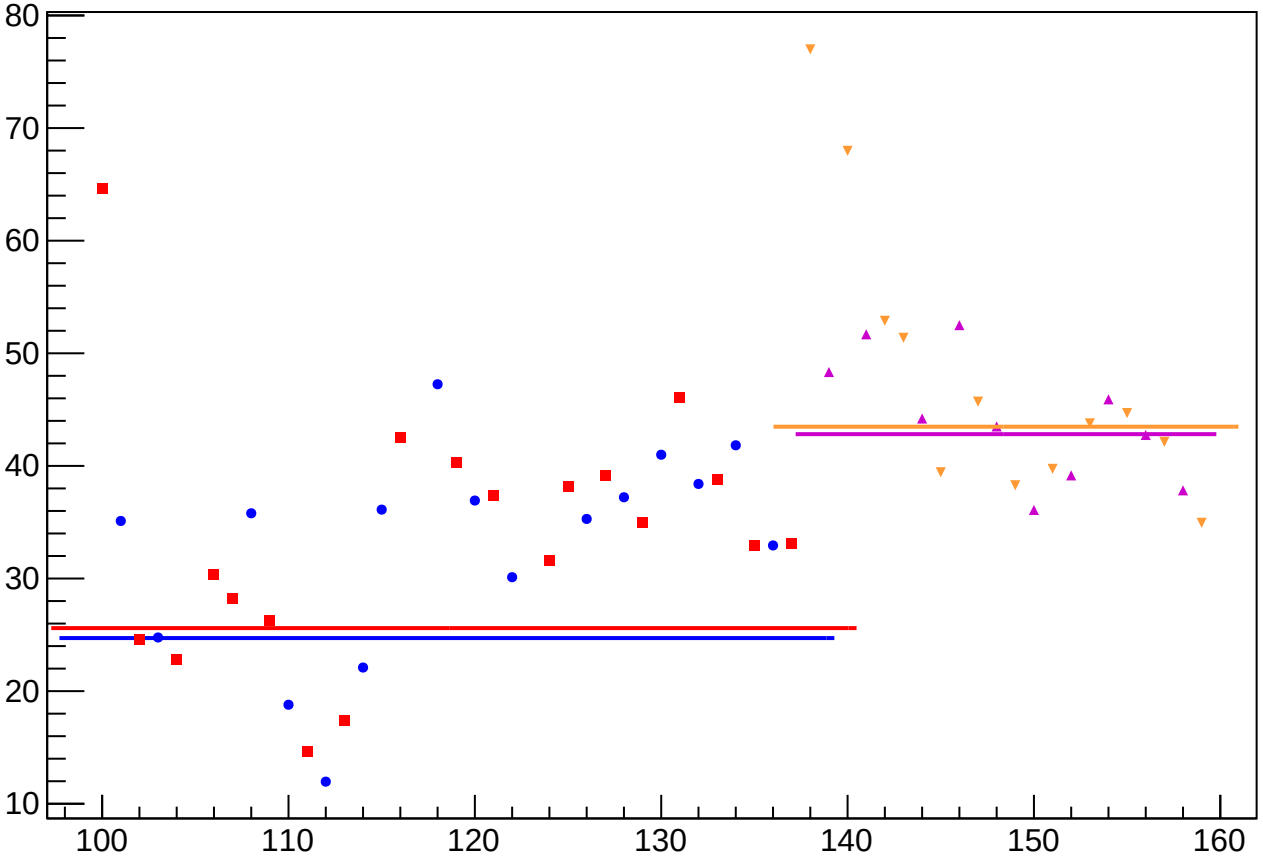
Left In: -0.014+/-0.015 χ^2/NDF:11.0/9

+ sign 0.013+/-0.008 χ^2/NDF: 32.8/27

All: 0.003+/-0.006 χ^2/NDF: 60.9/56

- sign -0.008+/-0.008 χ^2/NDF: 24.9/28

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

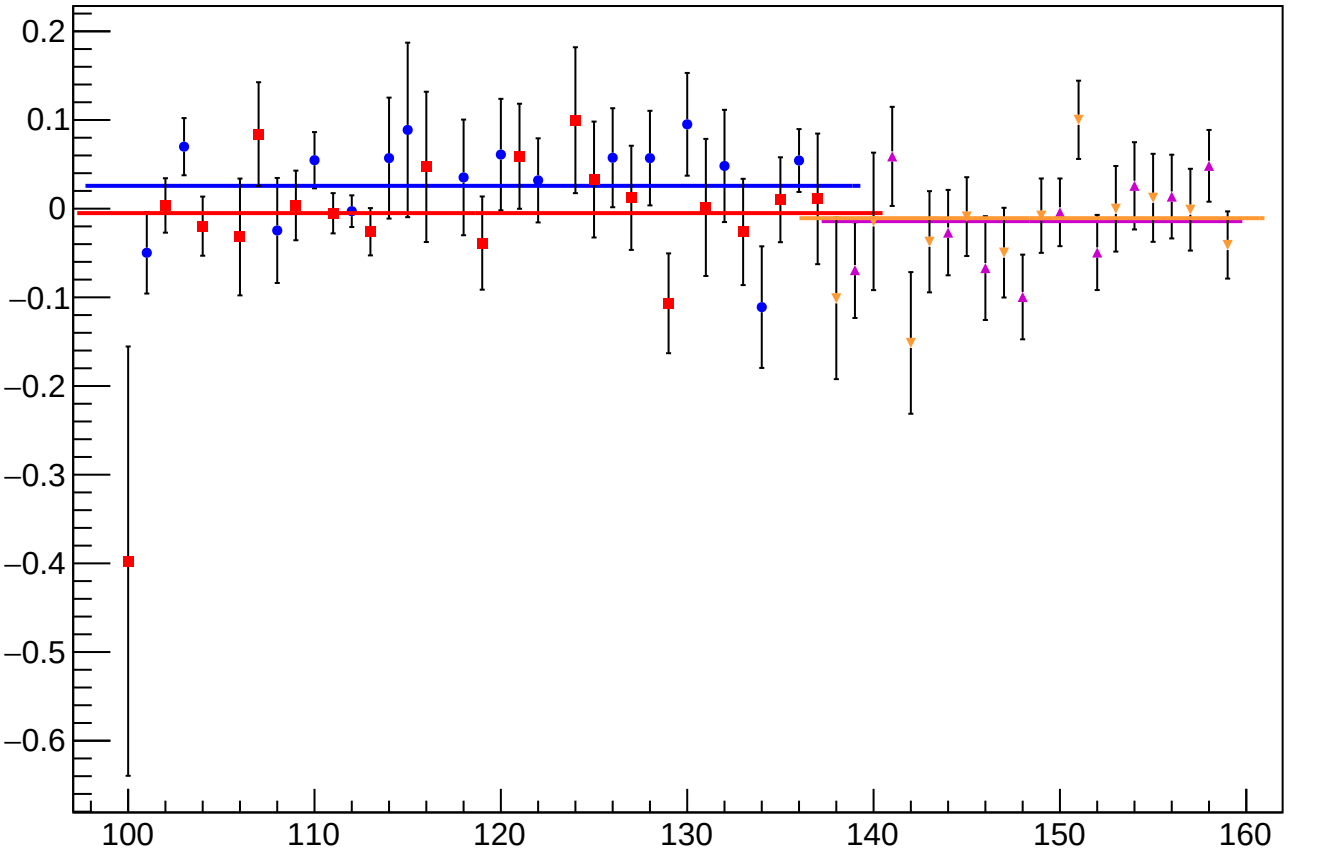
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.820+/-0.010 χ^2/NDF:243497.0/9

+ sign 31.031+/-0.006 χ^2/NDF: 5212606.1/27

All: 31.131+/-0.004 χ^2/NDF: 8874623.5/56

- sign 31.233+/-0.006 χ^2/NDF: 3661450.5/28



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.015 χ^2/NDF:12.2/11

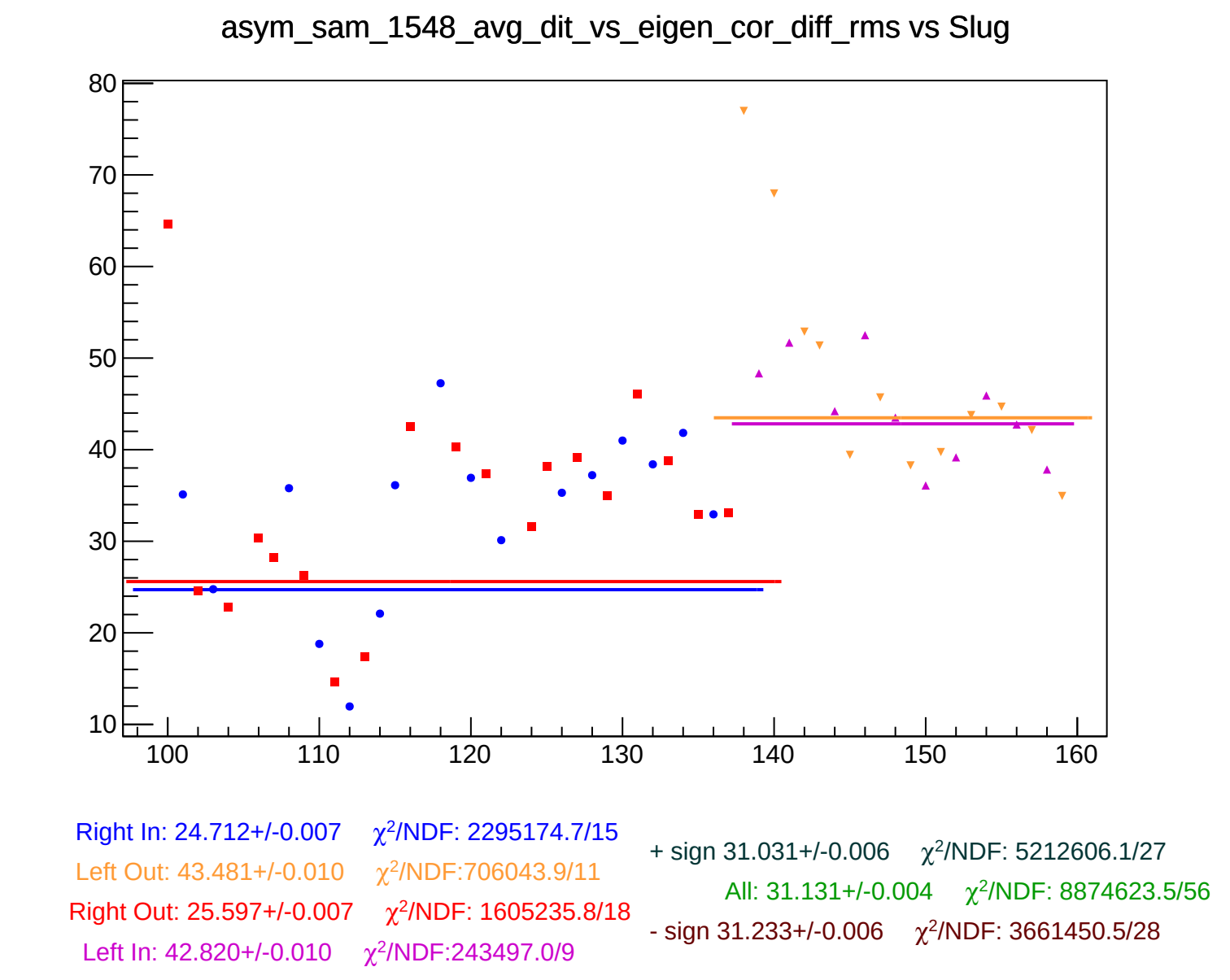
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.014+/-0.015 χ^2/NDF:11.0/9

+ sign 0.013+/-0.008 χ^2/NDF: 32.8/27

All: 0.003+/-0.006 χ^2/NDF: 60.9/56

- sign -0.008+/-0.008 χ^2/NDF: 24.9/28


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
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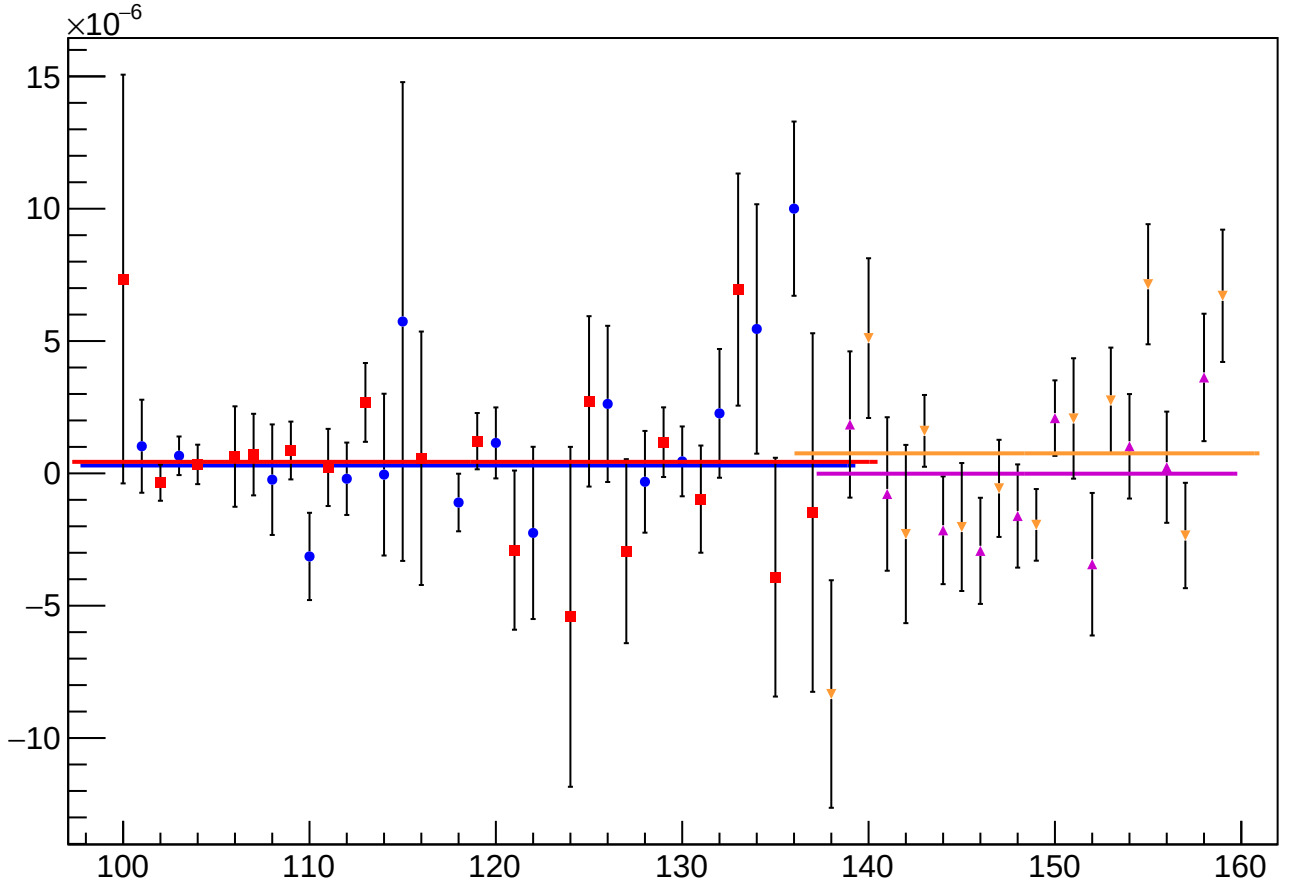
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.481+/-0.010 χ²/NDF:706043.9/11
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.820+/-0.010 χ²/NDF:243497.0/9
+ sign 31.031+/-0.006 χ²/NDF: 5212606.1/27
All: 31.131+/-0.004 χ²/NDF: 8874623.5/56
- sign 31.233+/-0.006 χ²/NDF: 3661450.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/11

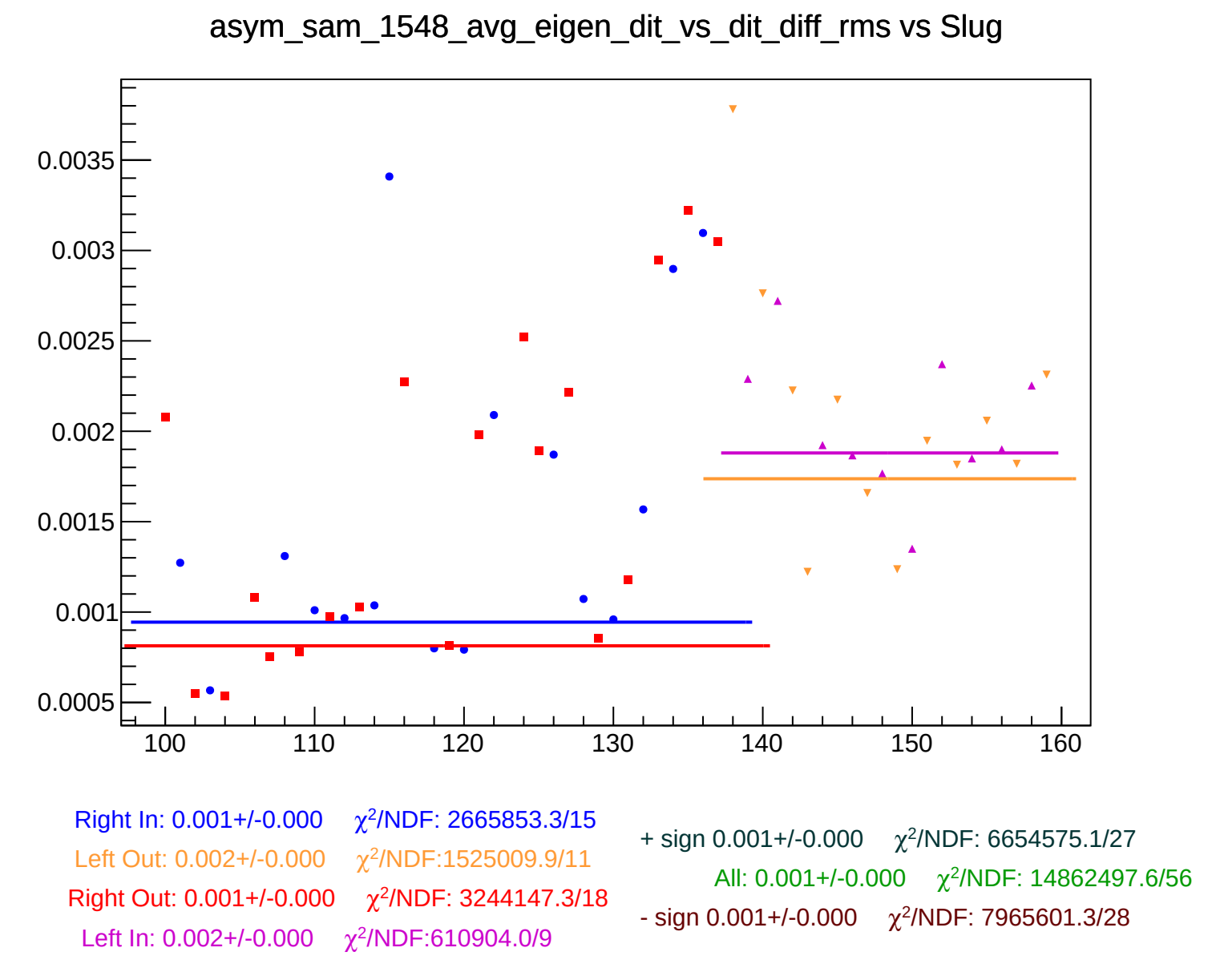
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 50.7/27

All: 0.000+/-0.000 χ^2/NDF: 74.5/56

- sign 0.000+/-0.000 χ^2/NDF: 23.8/28


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
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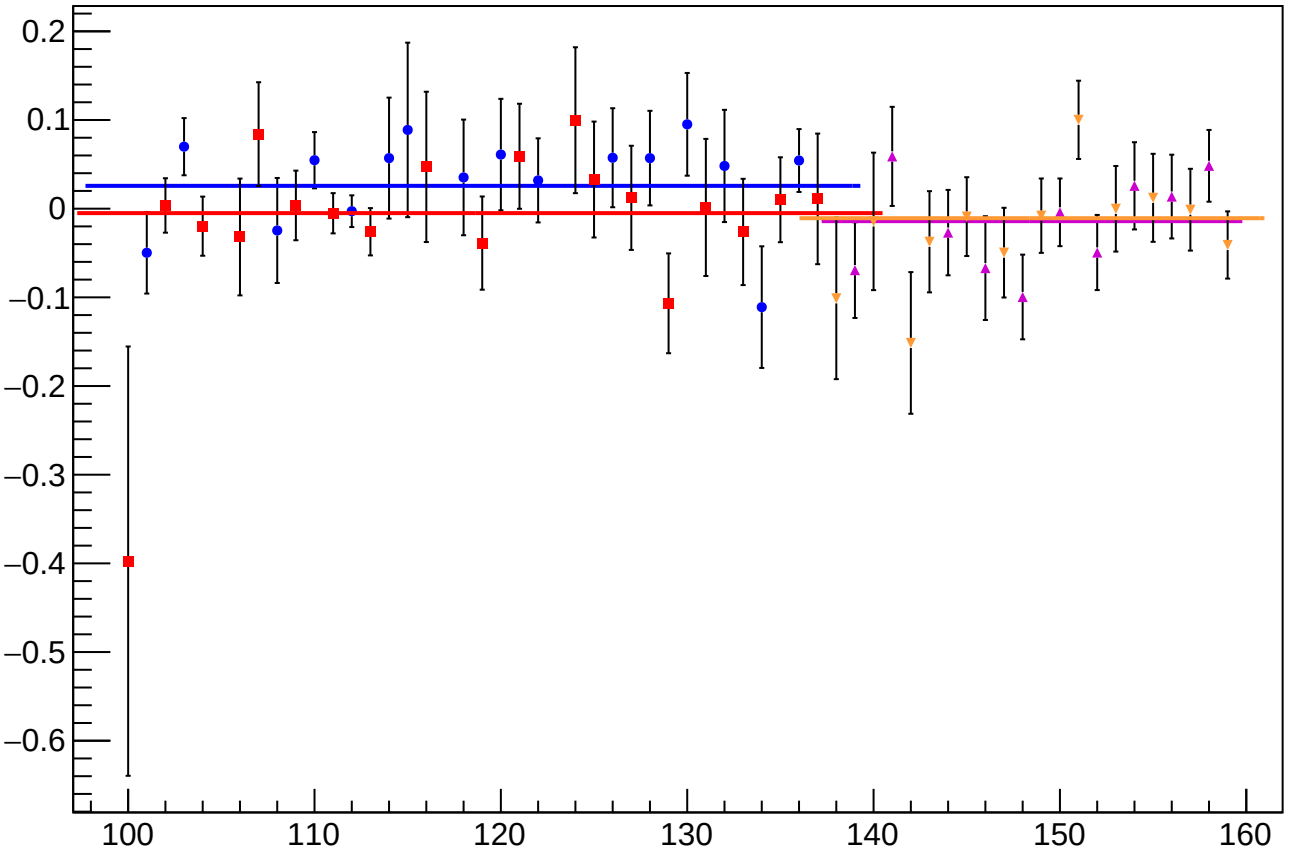
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1525009.9/11
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:610904.0/9
+ sign 0.001+/-0.000 χ²/NDF: 6654575.1/27
All: 0.001+/-0.000 χ²/NDF: 14862497.6/56
- sign 0.001+/-0.000 χ²/NDF: 7965601.3/28



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.015 χ^2/NDF:12.2/11

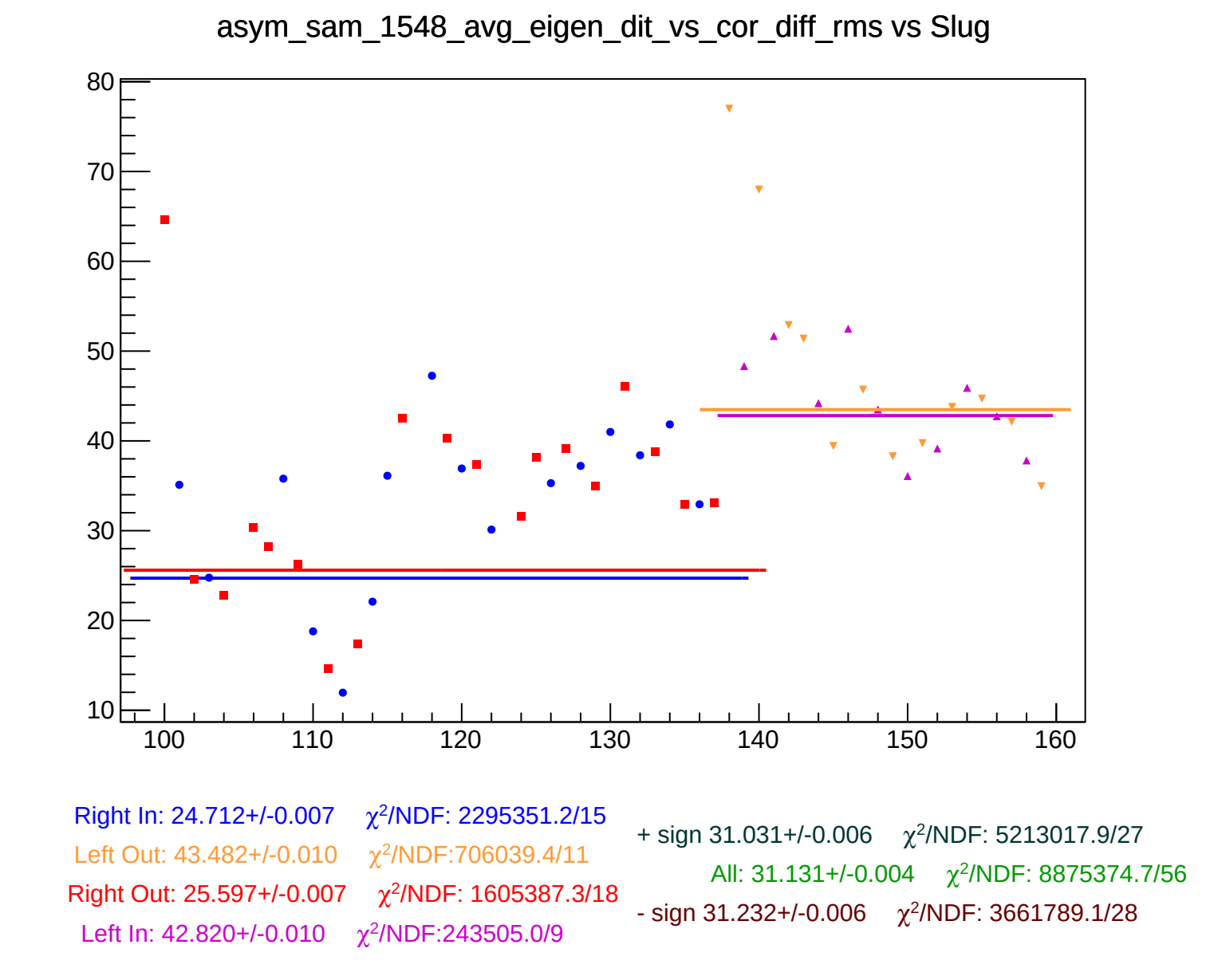
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.014+/-0.015 χ^2/NDF:11.0/9

+ sign 0.013+/-0.008 χ^2/NDF: 32.8/27

All: 0.003+/-0.006 χ^2/NDF: 60.9/56

- sign -0.008+/-0.008 χ^2/NDF: 24.9/28


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
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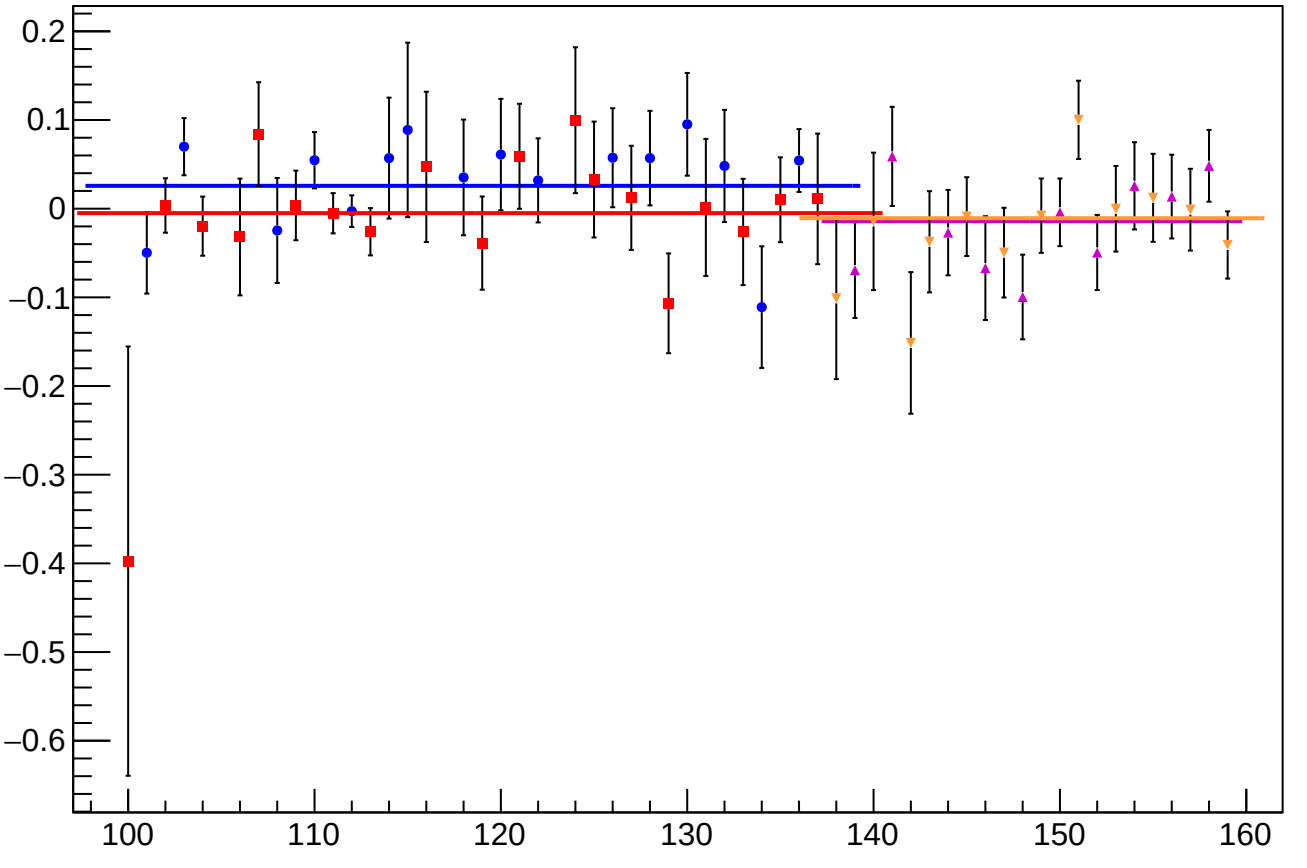
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.482+/-0.010 χ²/NDF:706039.4/11
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.820+/-0.010 χ²/NDF:243505.0/9
+ sign 31.031+/-0.006 χ²/NDF: 5213017.9/27
All: 31.131+/-0.004 χ²/NDF: 8875374.7/56
- sign 31.232+/-0.006 χ²/NDF: 3661789.1/28



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.015 χ^2/NDF:12.2/11

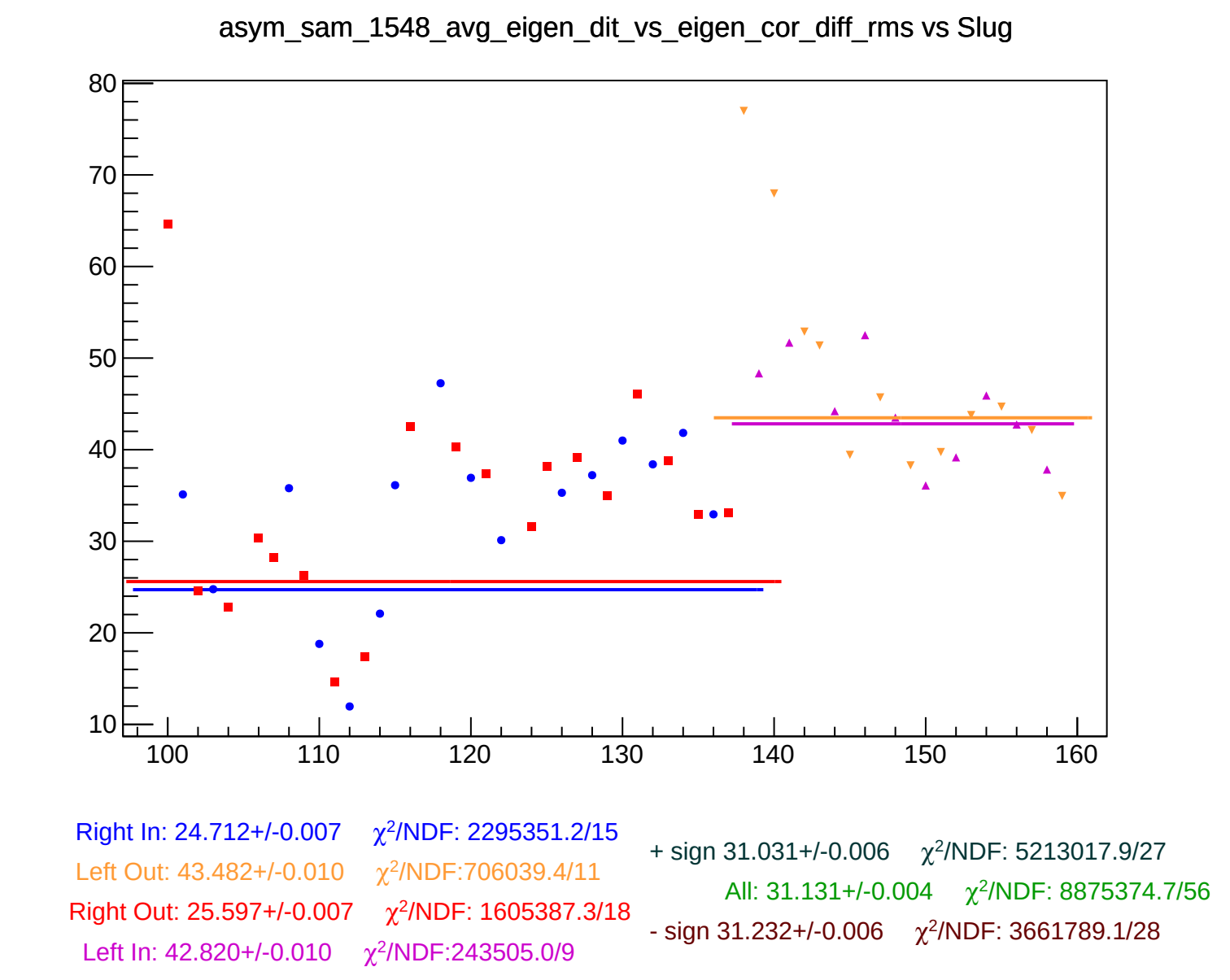
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.014+/-0.015 χ^2/NDF:11.0/9

+ sign 0.013+/-0.008 χ^2/NDF: 32.8/27

All: 0.003+/-0.006 χ^2/NDF: 60.9/56

- sign -0.008+/-0.008 χ^2/NDF: 24.9/28


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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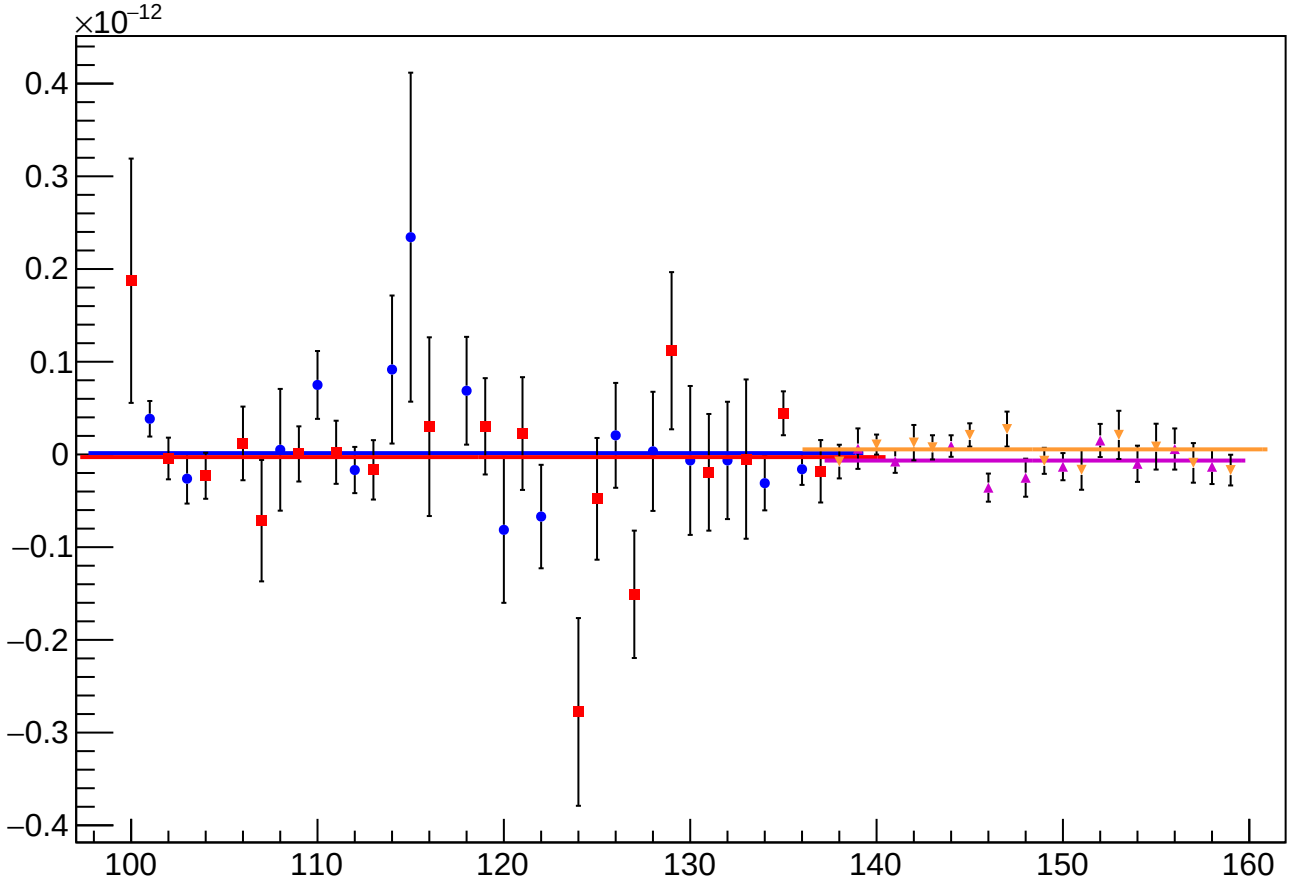
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.482+/-0.010 χ²/NDF:706039.4/11
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.820+/-0.010 χ²/NDF:243505.0/9
+ sign 31.031+/-0.006 χ²/NDF: 5213017.9/27
All: 31.131+/-0.004 χ²/NDF: 8875374.7/56
- sign 31.232+/-0.006 χ²/NDF: 3661789.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/11

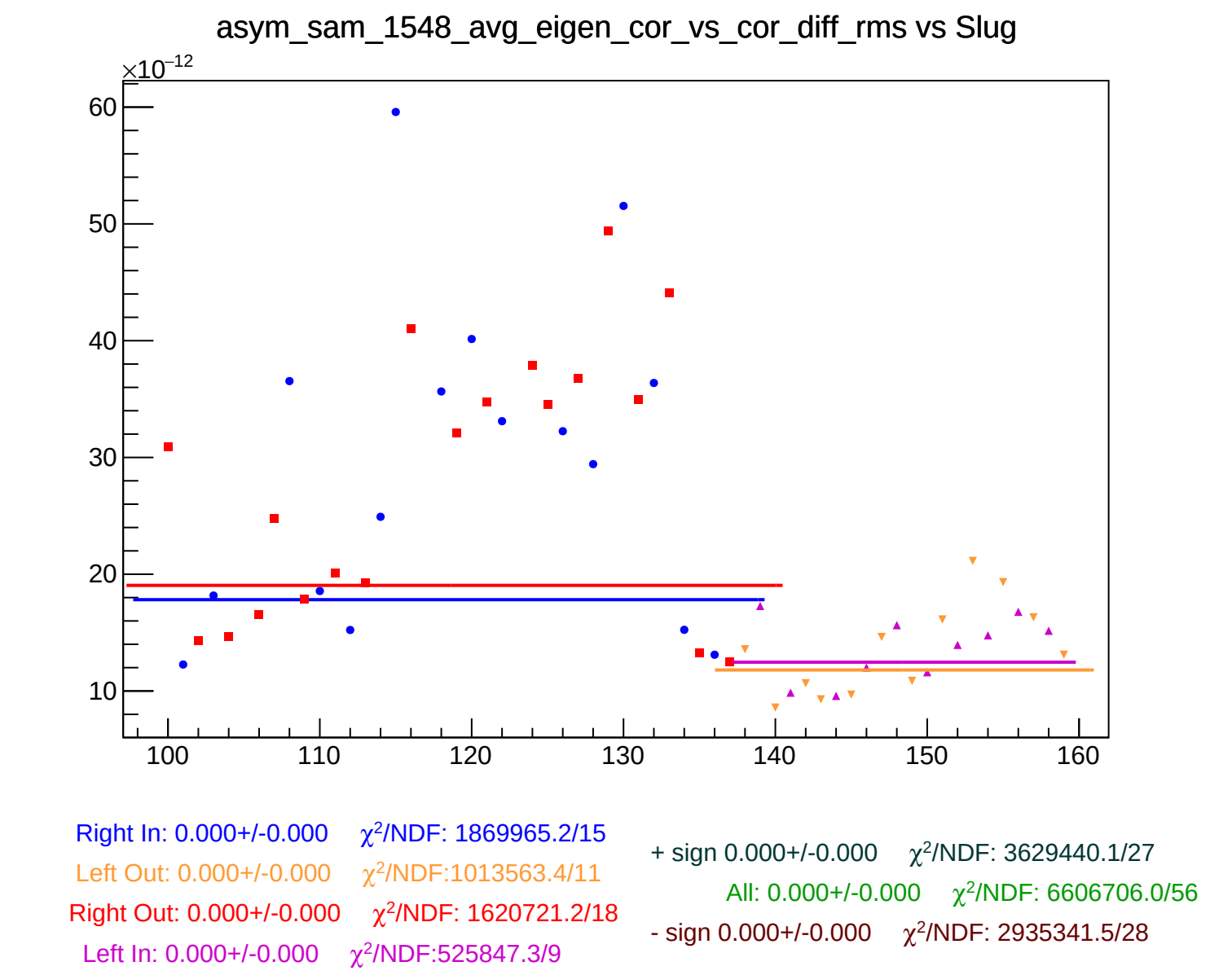
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/9

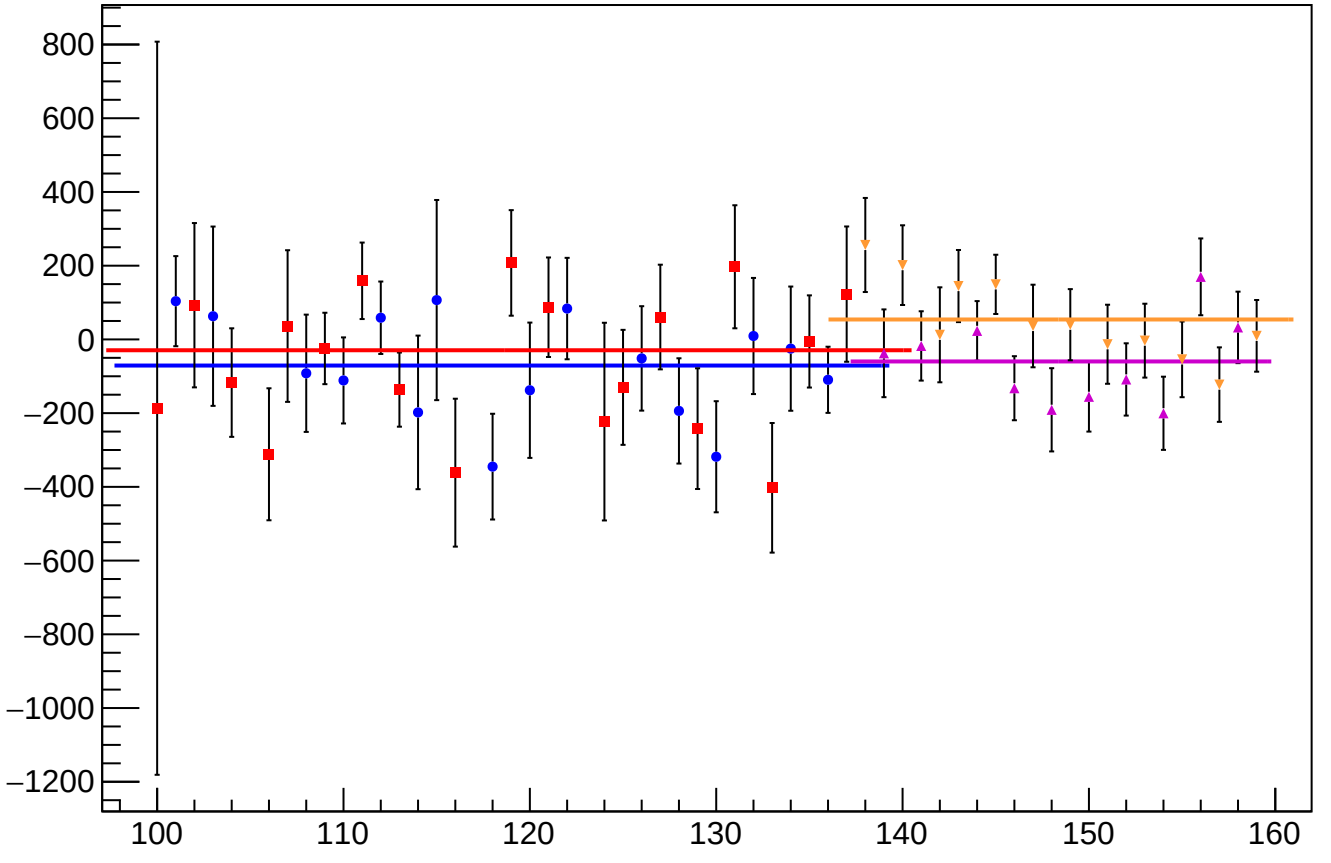
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/27

All: -0.000+/-0.000 χ^2/NDF: 62.5/56

- sign -0.000+/-0.000 χ^2/NDF: 32.4/28


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1013563.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:525847.3/9
+ sign 0.000+/-0.000 χ²/NDF: 3629440.1/27
All: 0.000+/-0.000 χ²/NDF: 6606706.0/56
- sign 0.000+/-0.000 χ²/NDF: 2935341.5/28

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

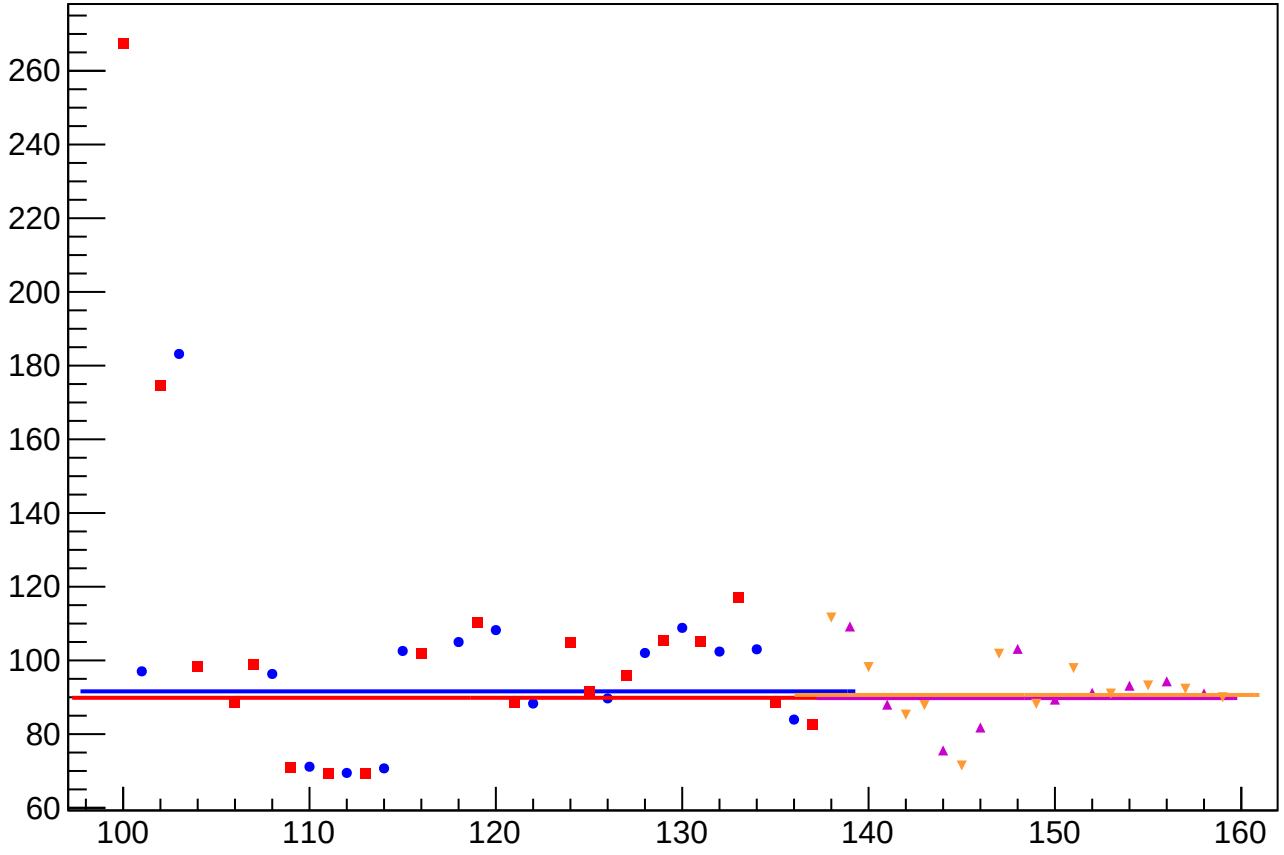
Left In: -59.790+/-30.660 χ^2/NDF:12.4/9

+ sign 2.095+/-22.649 χ^2/NDF: 33.3/27

All: -21.883+/-16.083 χ^2/NDF: 72.4/56

- sign -46.272+/-22.842 χ^2/NDF: 36.8/28

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

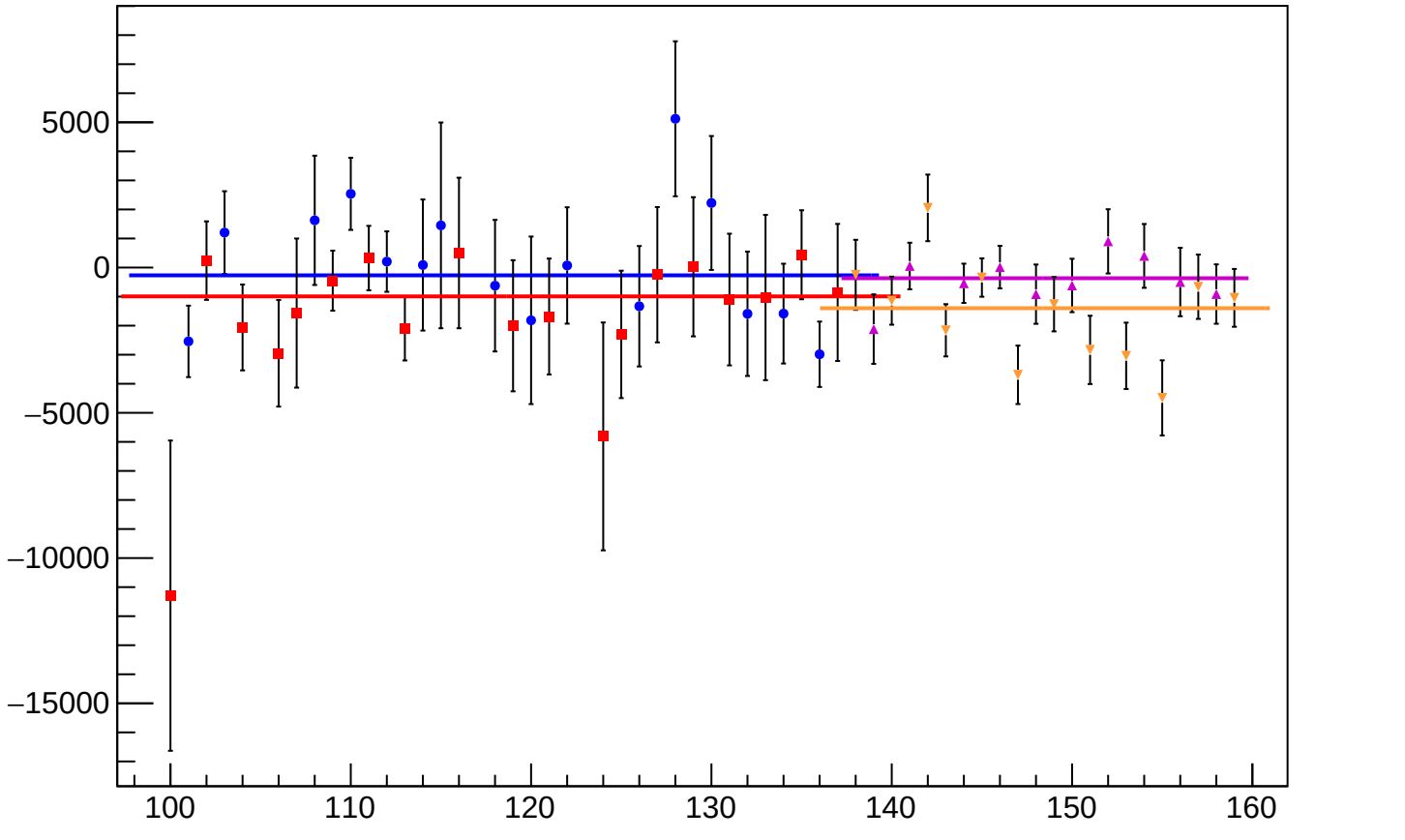
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

+ sign 91.037+/-0.016 χ^2/NDF: 796528.3/27

All: 90.428+/-0.011 χ^2/NDF: 1713396.2/56

- sign 89.809+/-0.016 χ^2/NDF: 913949.5/28



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

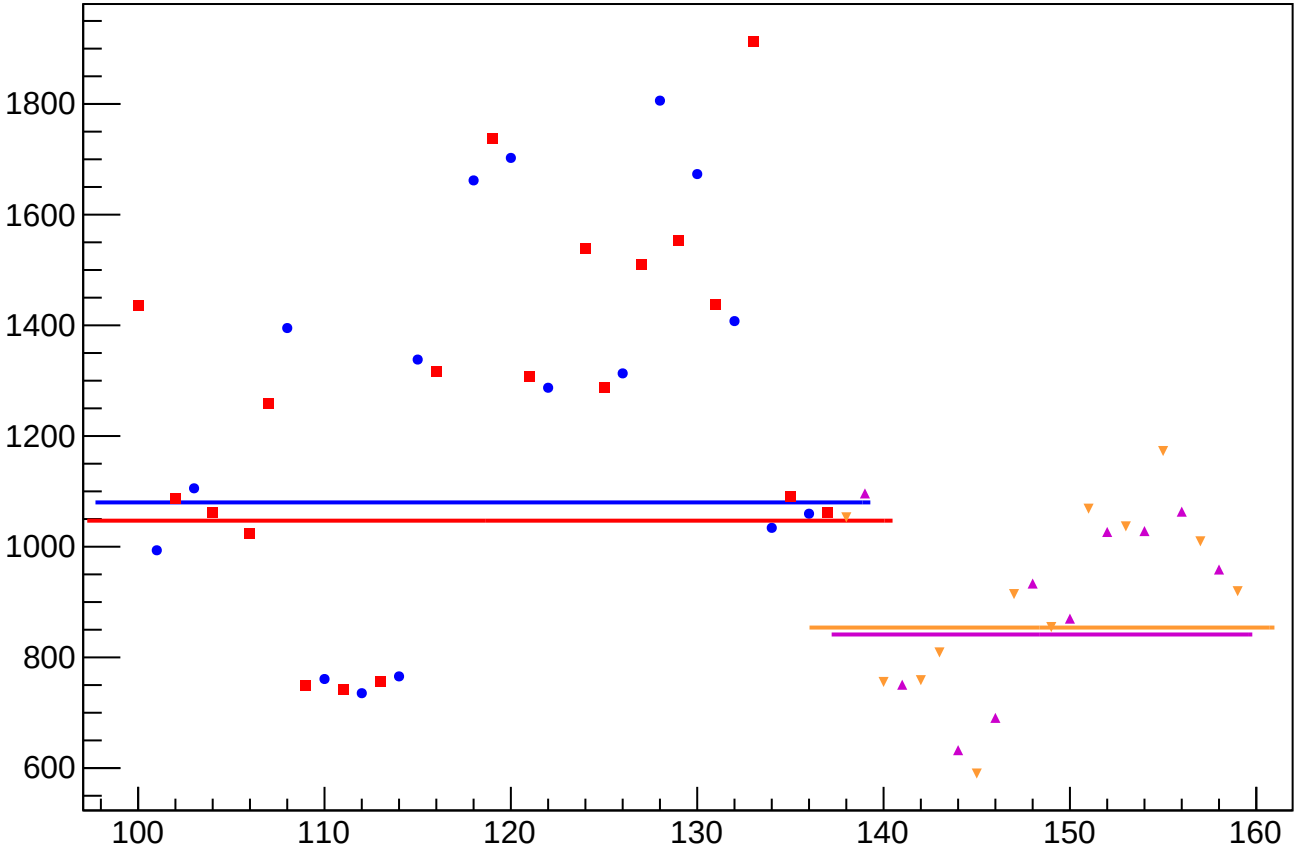
Left In: -367.538+/-291.371 χ^2/NDF:5.2/9

+ sign -1046.237+/-234.589 χ^2/NDF: 56.8/27

All: -816.026+/-166.264 χ^2/NDF: 78.3/56

- sign -583.666+/-235.680 χ^2/NDF: 19.5/28

asym_sam_3748_avg_reg_correction_rms vs Slug



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

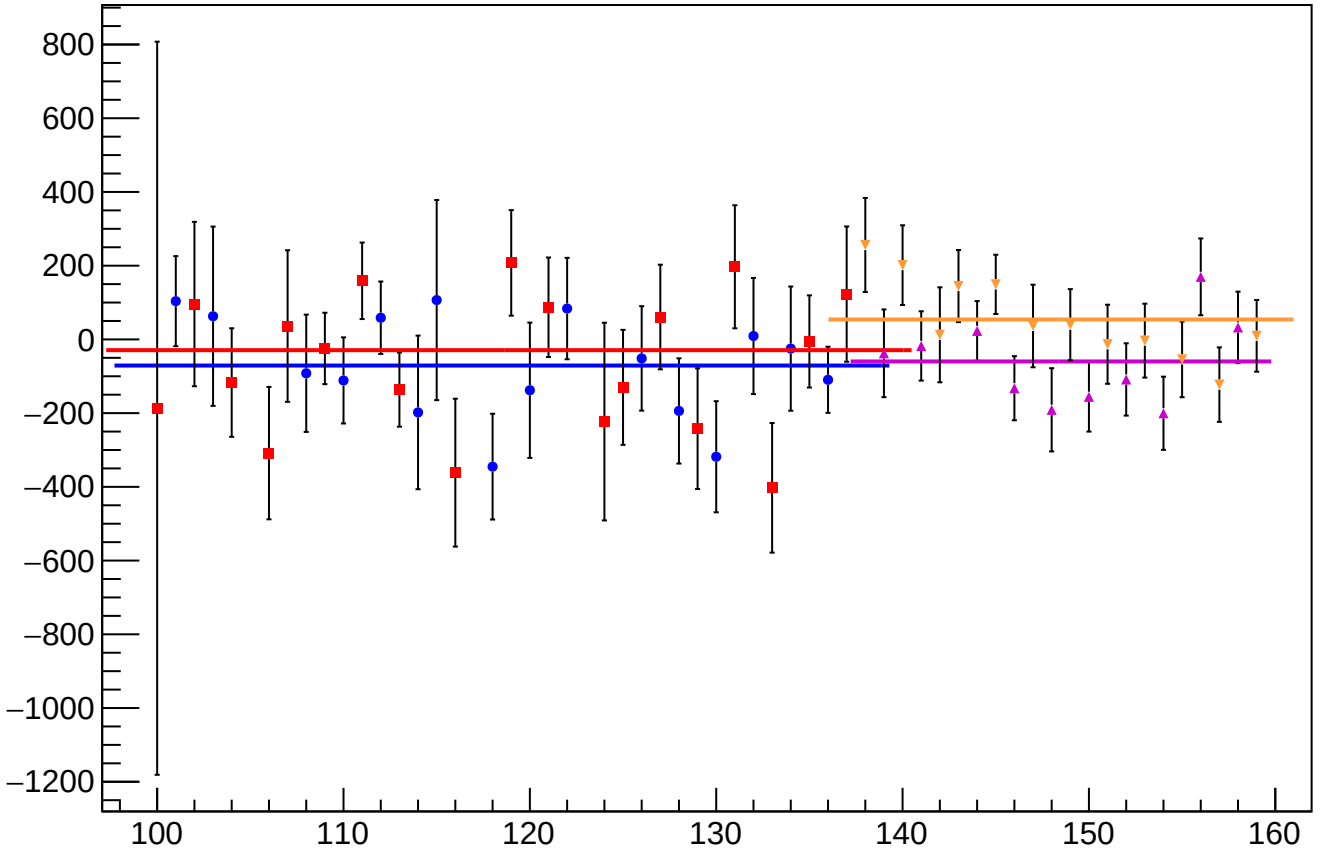
Left In: 841.398+/-0.206 χ^2/NDF:622138.9/9

+ sign 924.612+/-0.166 χ^2/NDF: 2169137.5/27

All: 918.586+/-0.118 χ^2/NDF: 4337098.3/56

- sign 912.504+/-0.167 χ^2/NDF: 2165309.4/28

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

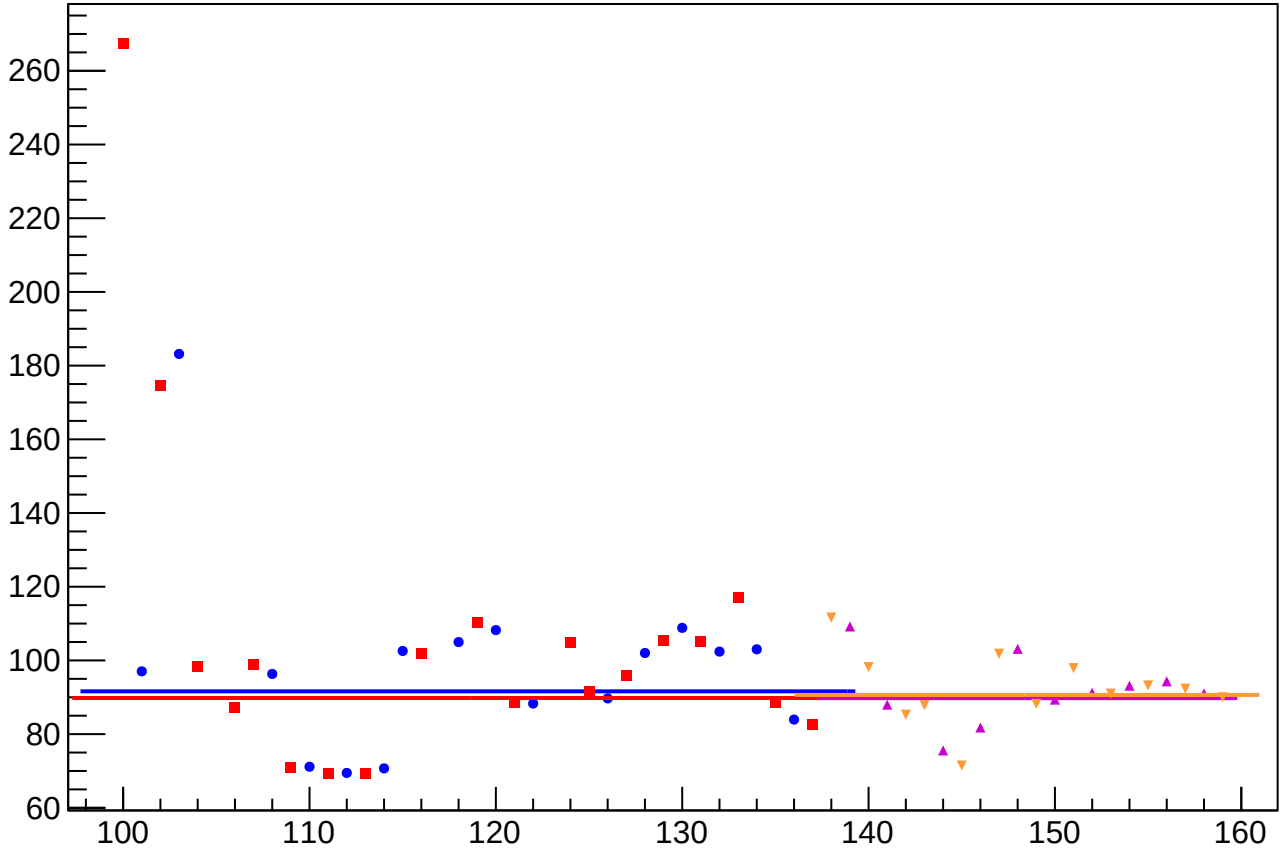
Left In: -59.793+/-30.660 χ^2/NDF:12.4/9

+ sign 2.092+/-22.649 χ^2/NDF: 33.3/27

All: -21.830+/-16.083 χ^2/NDF: 72.4/56

- sign -46.164+/-22.843 χ^2/NDF: 36.8/28

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

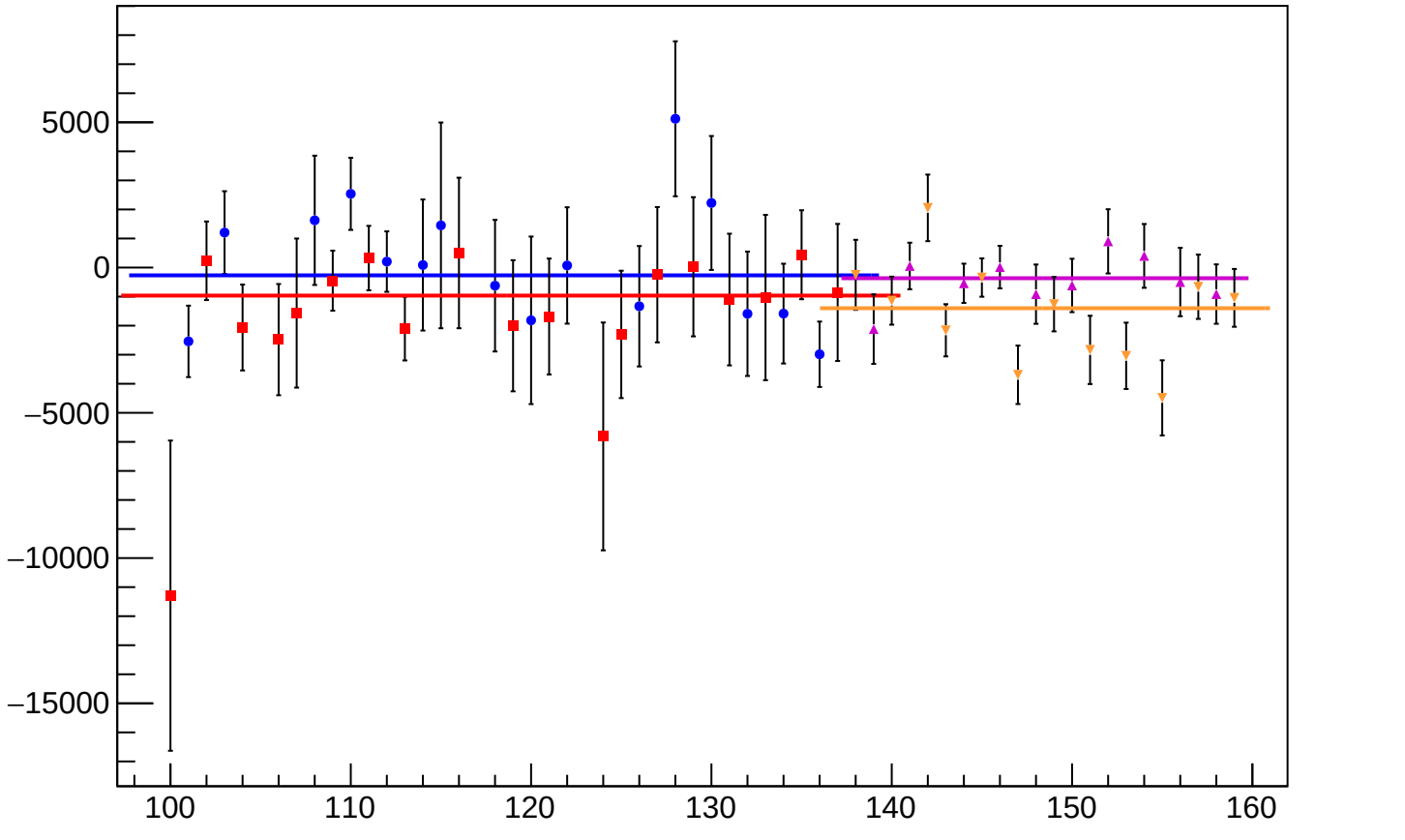
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

+ sign 91.037+/-0.016 χ^2/NDF: 796531.4/27

All: 90.418+/-0.011 χ^2/NDF: 1714039.4/56

- sign 89.787+/-0.016 χ^2/NDF: 914488.5/28



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

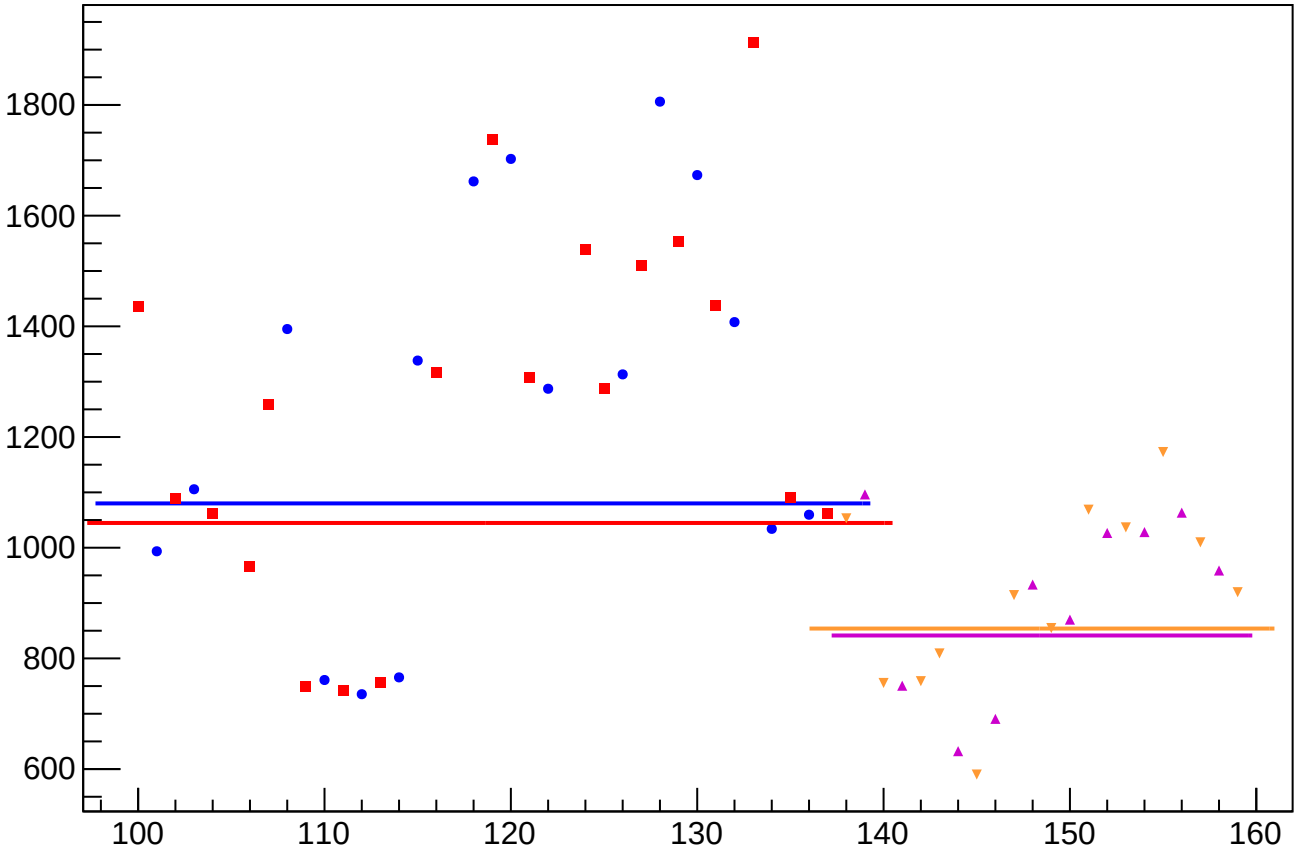
Left In: -367.545+/-291.371 χ^2/NDF:5.2/9

+ sign -1046.246+/-234.589 χ^2/NDF: 56.8/27

All: -811.162+/-166.322 χ^2/NDF: 77.6/56

- sign -573.555+/-235.845 χ^2/NDF: 18.8/28

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

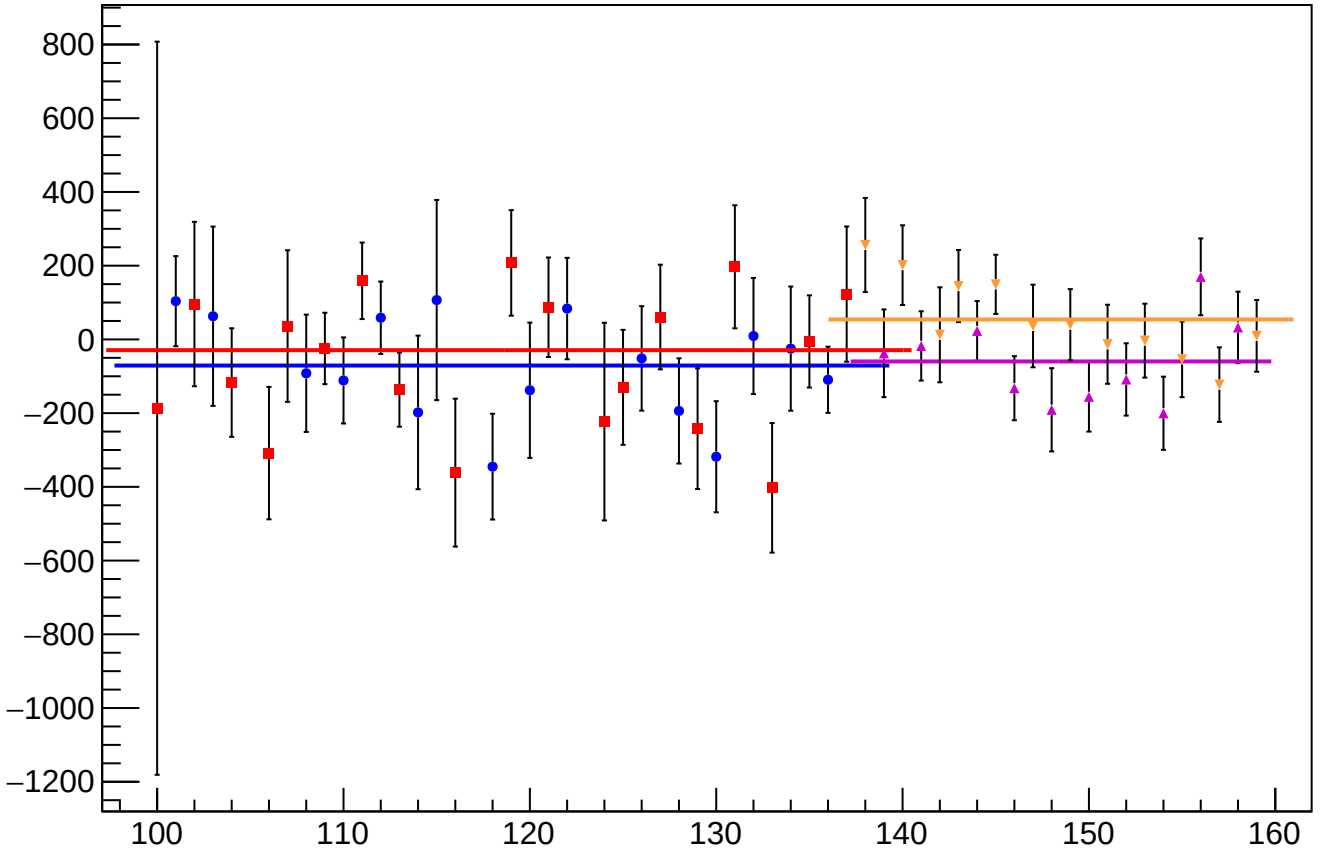
Left In: 841.398+/-0.206 χ^2/NDF:622137.5/9

+ sign 924.613+/-0.166 χ^2/NDF: 2169173.6/27

All: 918.095+/-0.118 χ^2/NDF: 4332046.4/56

- sign 911.506+/-0.167 χ^2/NDF: 2159767.8/28

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

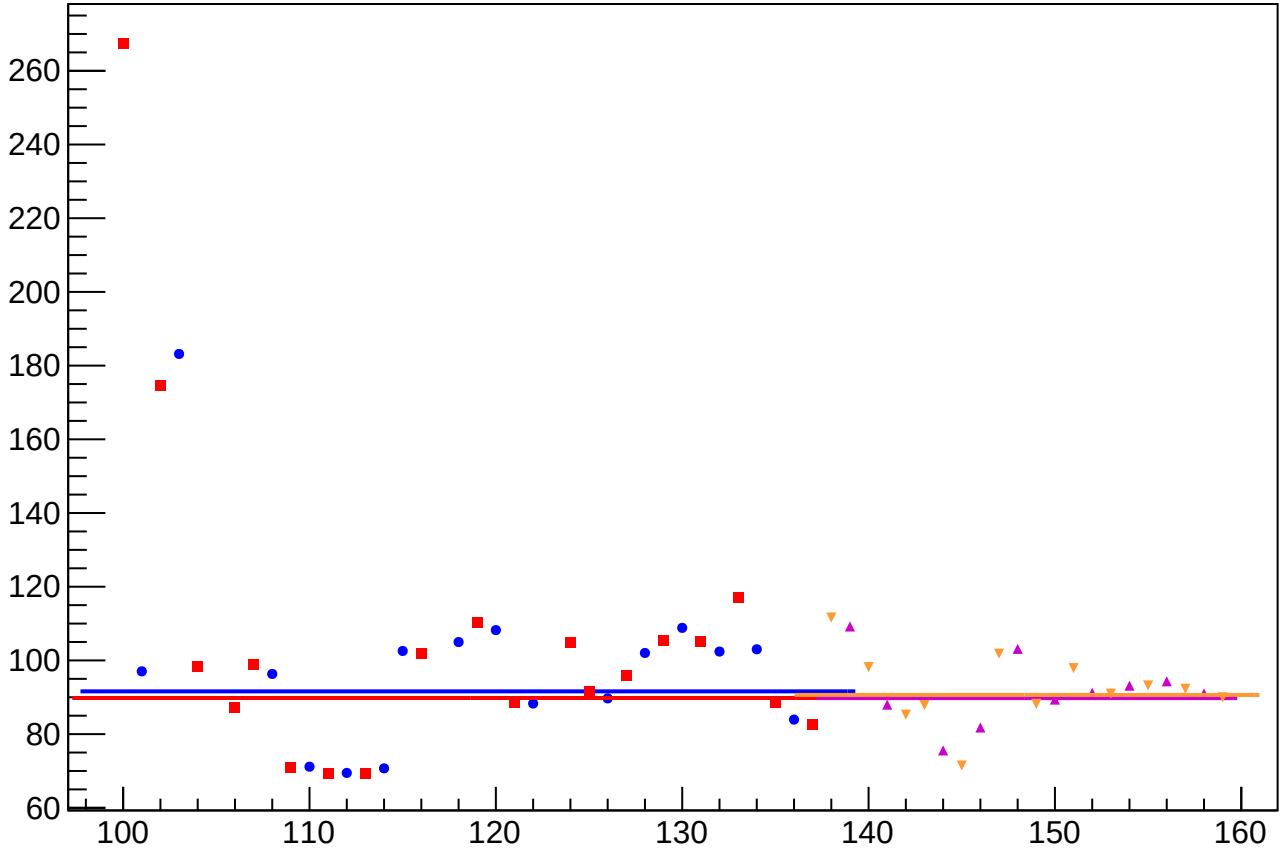
Left In: -59.793+/-30.660 χ^2/NDF:12.4/9

+ sign 2.092+/-22.649 χ^2/NDF: 33.3/27

All: -21.830+/-16.083 χ^2/NDF: 72.4/56

- sign -46.164+/-22.843 χ^2/NDF: 36.8/28

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

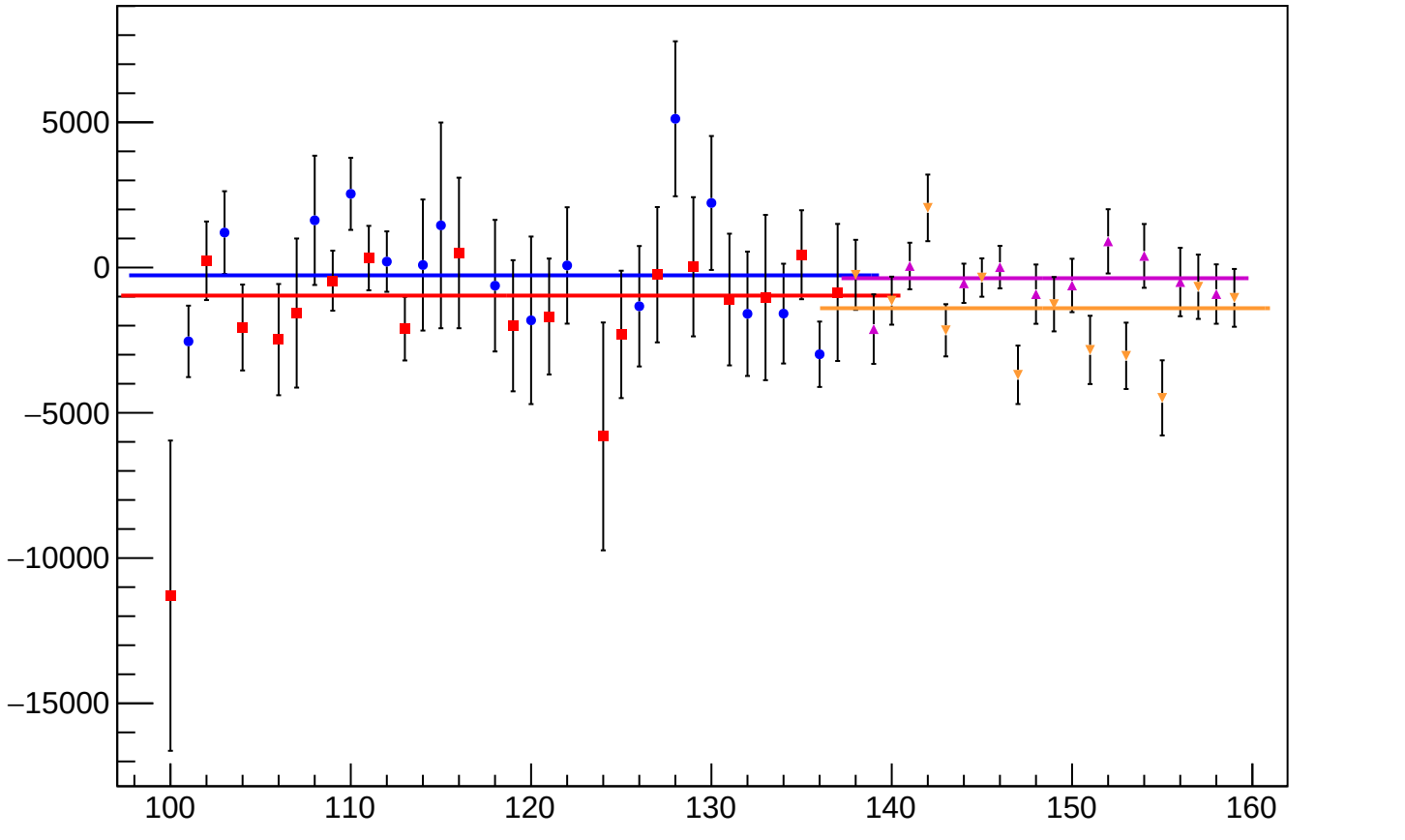
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.772+/-0.022 χ^2/NDF:167653.9/9

+ sign 91.037+/-0.016 χ^2/NDF: 796531.4/27

All: 90.418+/-0.011 χ^2/NDF: 1714039.4/56

- sign 89.787+/-0.016 χ^2/NDF: 914488.5/28



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1399.923+/-282.945 χ^2/NDF:28.4/11

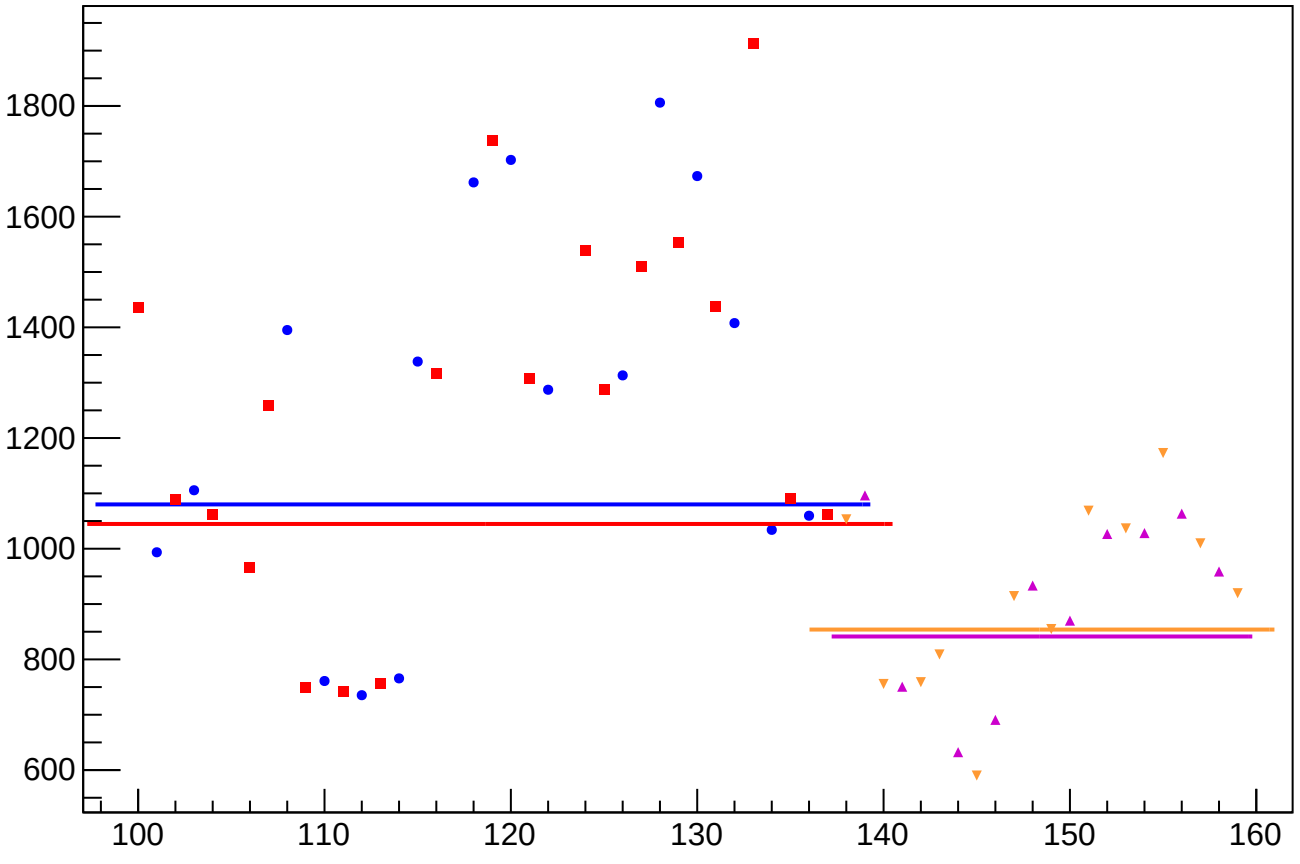
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -367.545+/-291.371 χ^2/NDF:5.2/9

\+ sign -1046.246+/-234.589 χ^2/NDF: 56.8/27

All: -811.162+/-166.322 χ^2/NDF: 77.6/56

\- sign -573.555+/-235.845 χ^2/NDF: 18.8/28



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

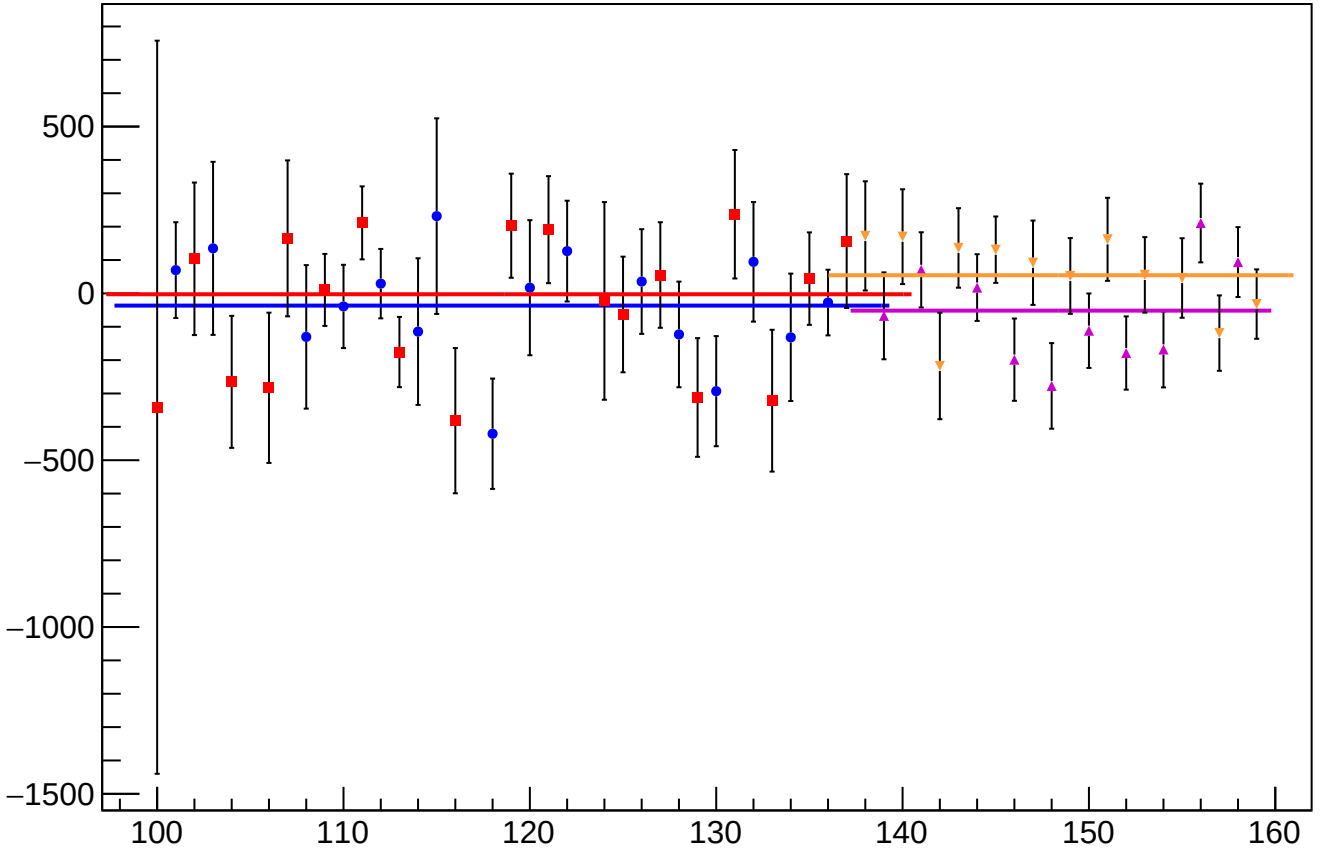
Left In: 841.398+/-0.206 χ^2/NDF:622137.5/9

+ sign 924.613+/-0.166 χ^2/NDF: 2169173.6/27

All: 918.095+/-0.118 χ^2/NDF: 4332046.4/56

- sign 911.506+/-0.167 χ^2/NDF: 2159767.8/28

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

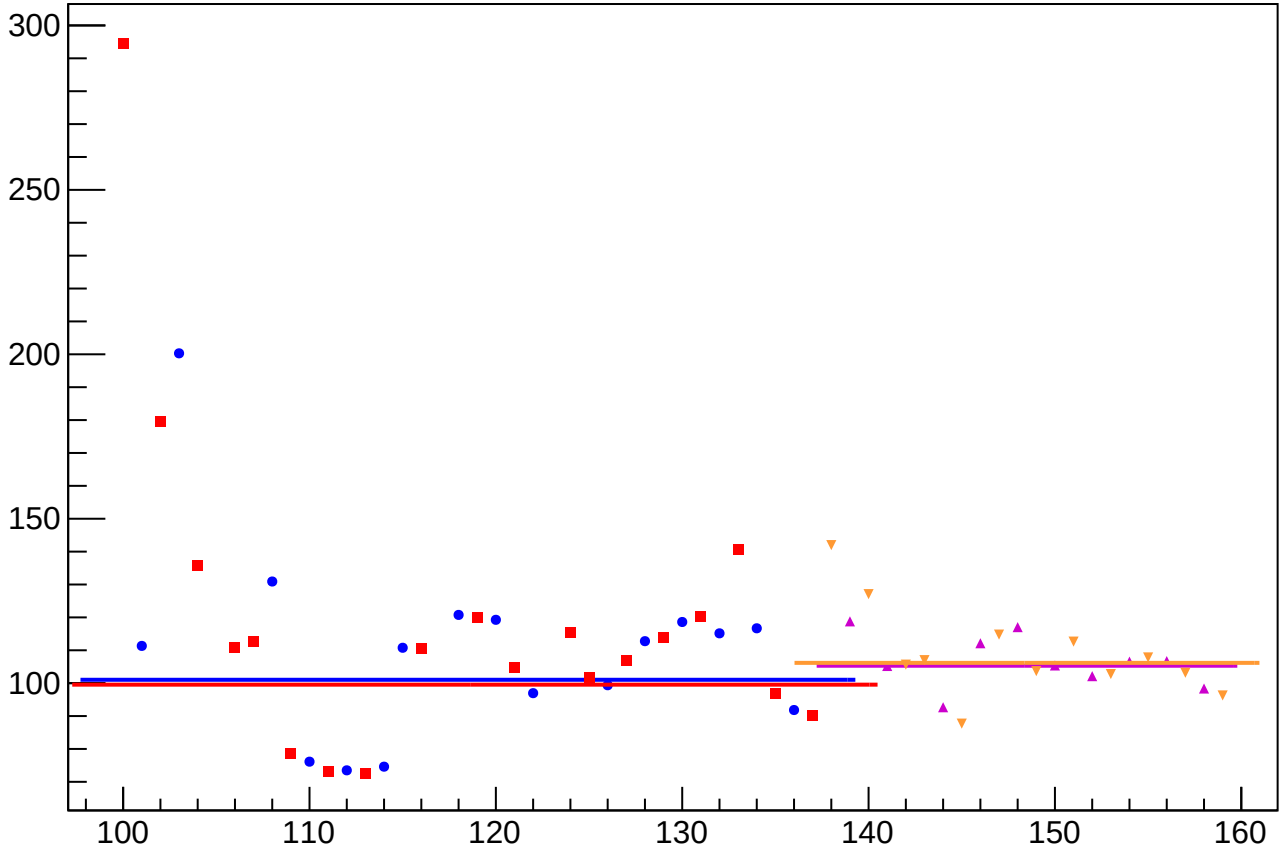
Left In: -51.662+/-36.095 χ^2/NDF:15.7/9

+ sign 13.942+/-26.000 χ^2/NDF: 25.0/27

All: -7.087+/-18.463 χ^2/NDF: 67.6/56

- sign -28.482+/-26.224 χ^2/NDF: 41.4/28

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

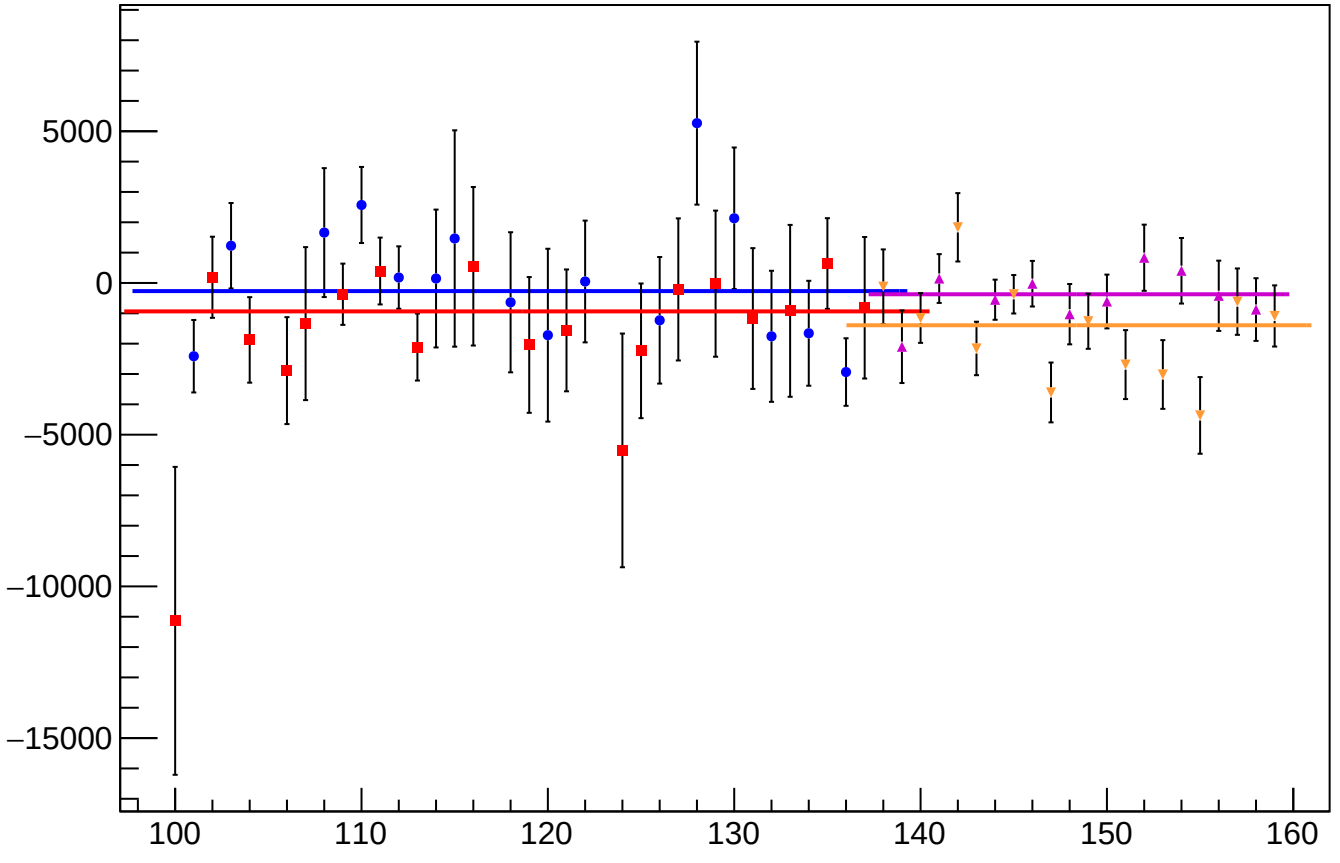
Left In: 105.302+/-0.026 χ^2/NDF:87198.6/9

+ sign 103.889+/-0.018 χ^2/NDF: 980928.2/27

All: 103.242+/-0.013 χ^2/NDF: 1975122.6/56

- sign 102.585+/-0.019 χ^2/NDF: 991702.0/28

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

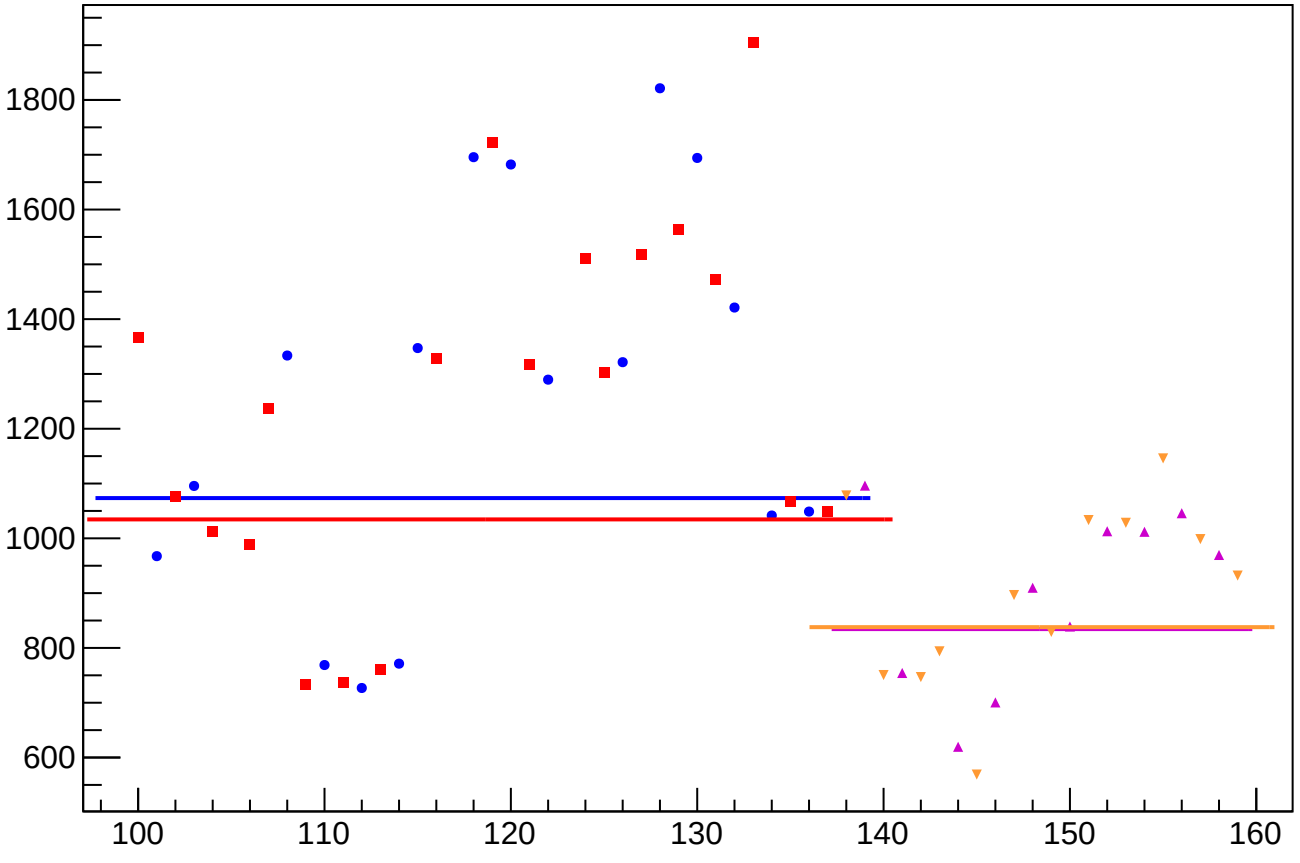
Left In: -372.394+/-289.049 χ^2/NDF:5.3/9

+ sign -1047.796+/-231.210 χ^2/NDF: 55.8/27

All: -810.480+/-164.300 χ^2/NDF: 77.6/56

- sign -568.403+/-233.518 χ^2/NDF: 19.7/28

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

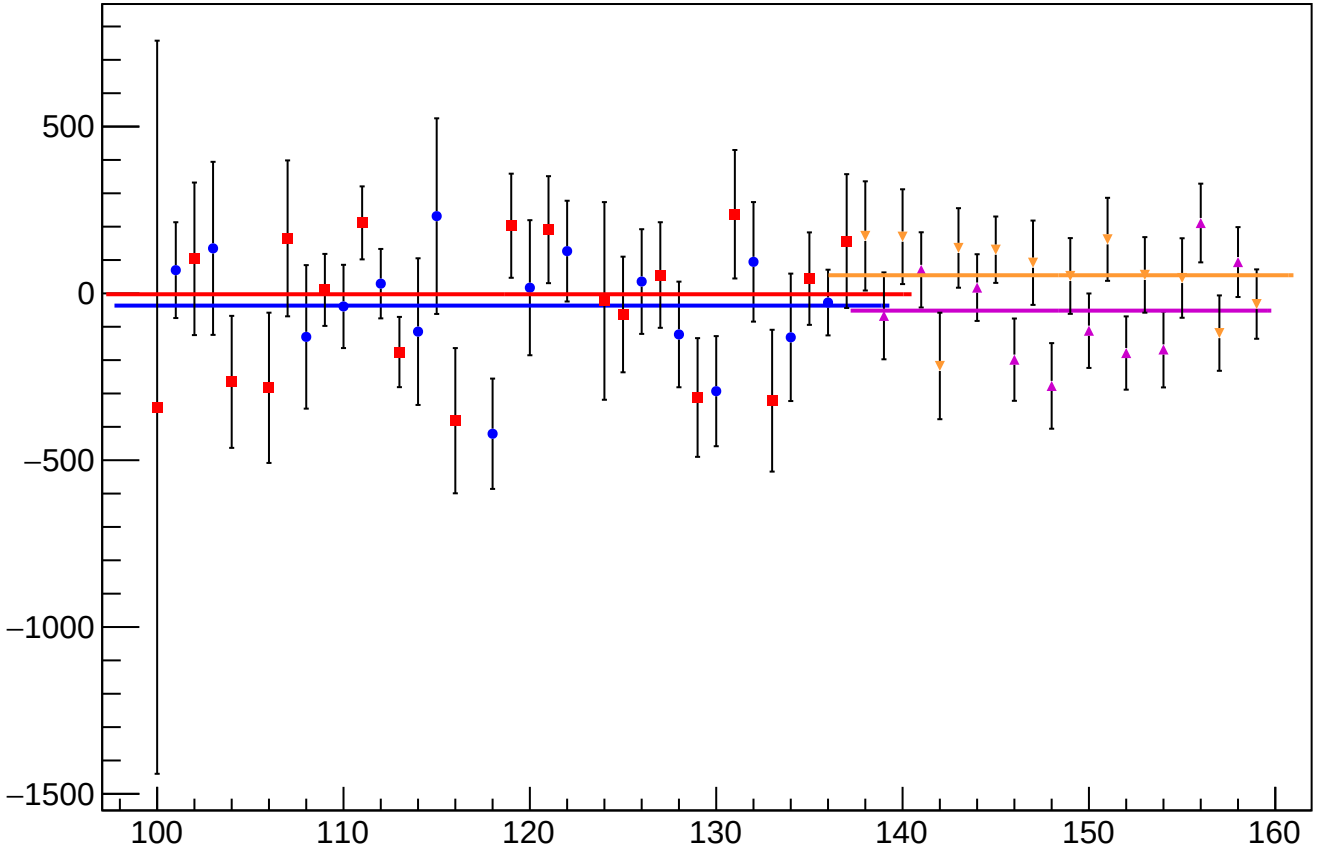
Left In: 834.390+/-0.204 χ^2/NDF:610300.2/9

\+ sign 910.304+/-0.163 χ^2/NDF: 2298738.2/27

All: 907.136+/-0.116 χ^2/NDF: 4472194.4/56

\- sign 903.905+/-0.165 χ^2/NDF: 2172697.9/28

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

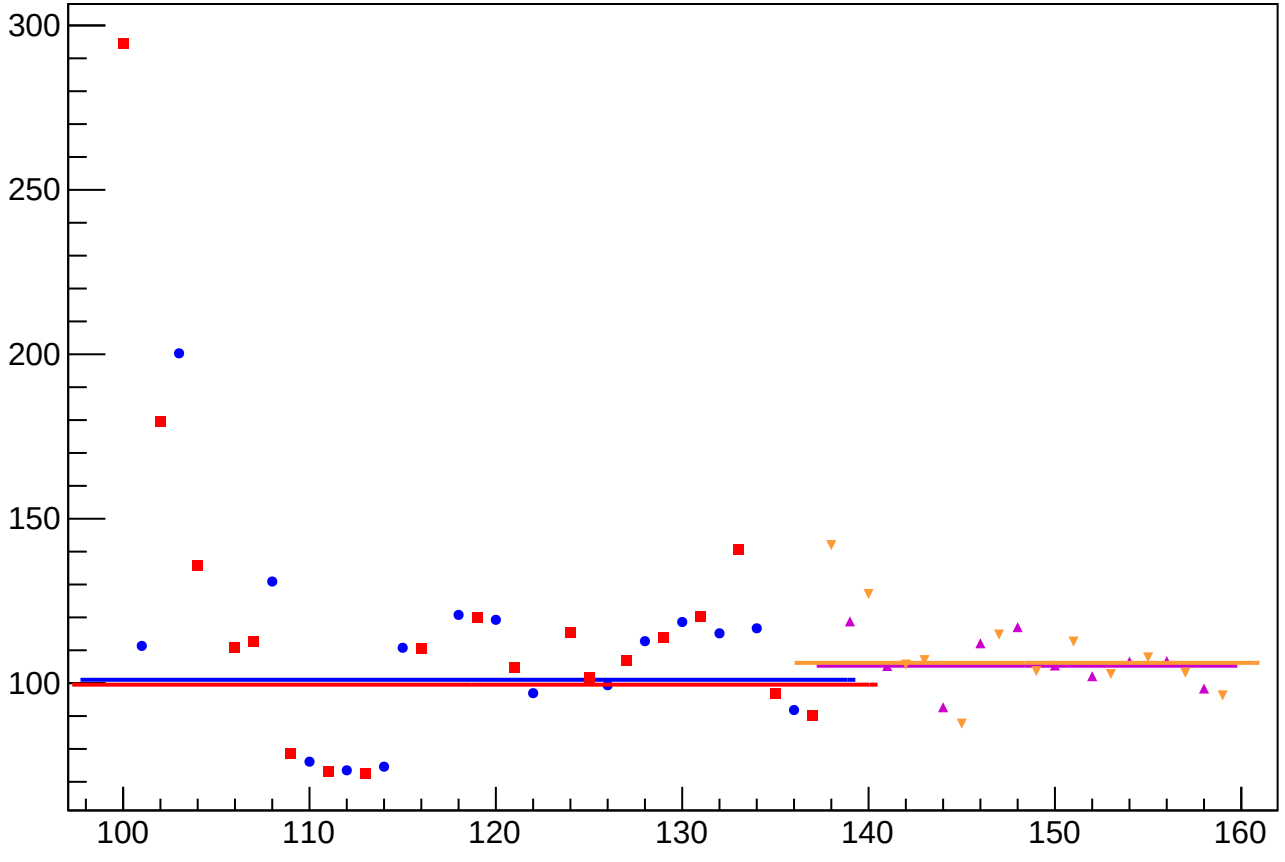
Left In: -51.662+/-36.095 χ^2/NDF:15.7/9

+ sign 13.944+/-26.000 χ^2/NDF: 25.0/27

All: -7.086+/-18.463 χ^2/NDF: 67.6/56

- sign -28.481+/-26.224 χ^2/NDF: 41.4/28

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

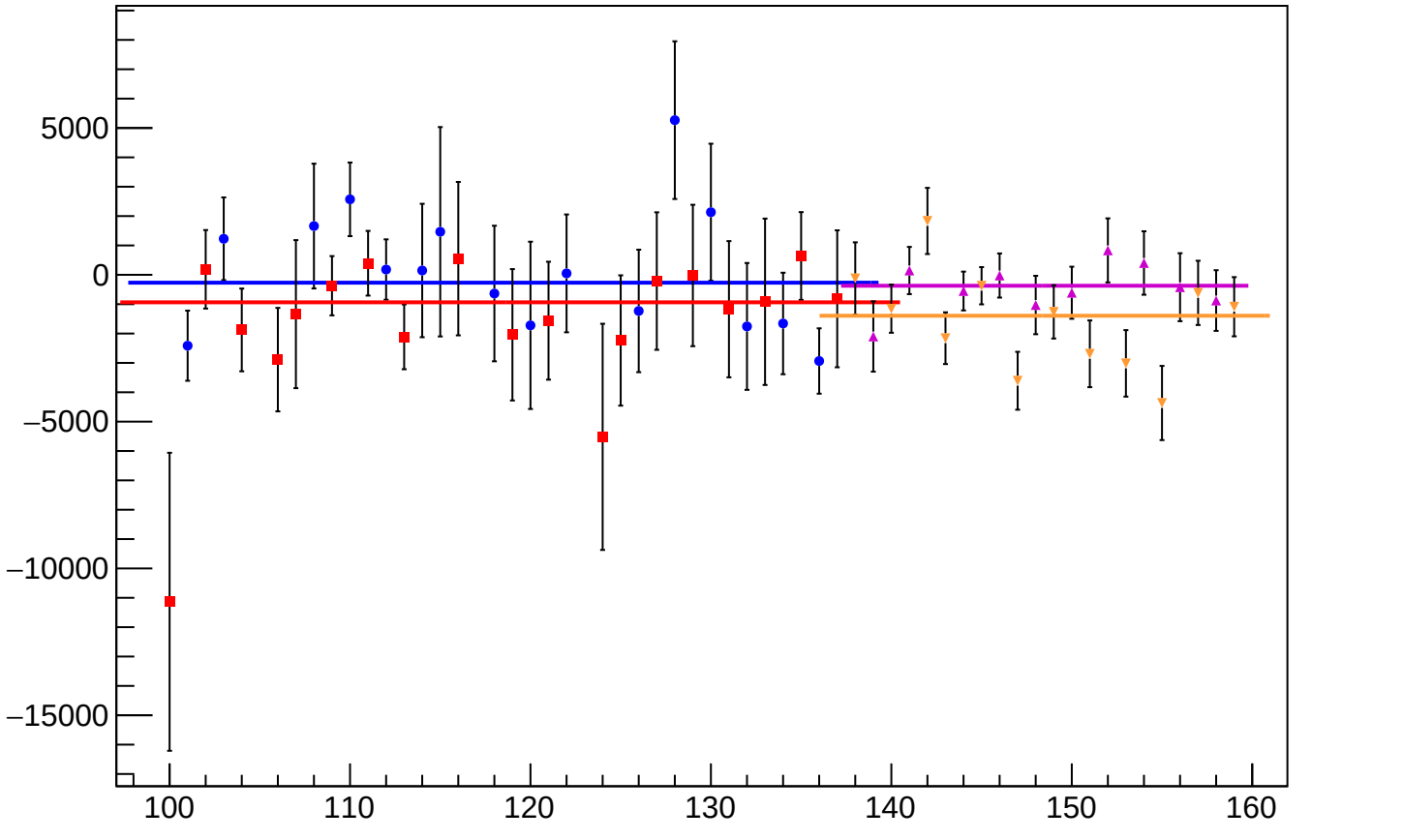
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.303+/-0.026 χ^2/NDF:87196.7/9

+ sign 103.889+/-0.018 χ^2/NDF: 980924.0/27

All: 103.243+/-0.013 χ^2/NDF: 1975121.0/56

- sign 102.585+/-0.019 χ^2/NDF: 991704.5/28



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1393.841+/-277.808 χ^2/NDF:27.3/11

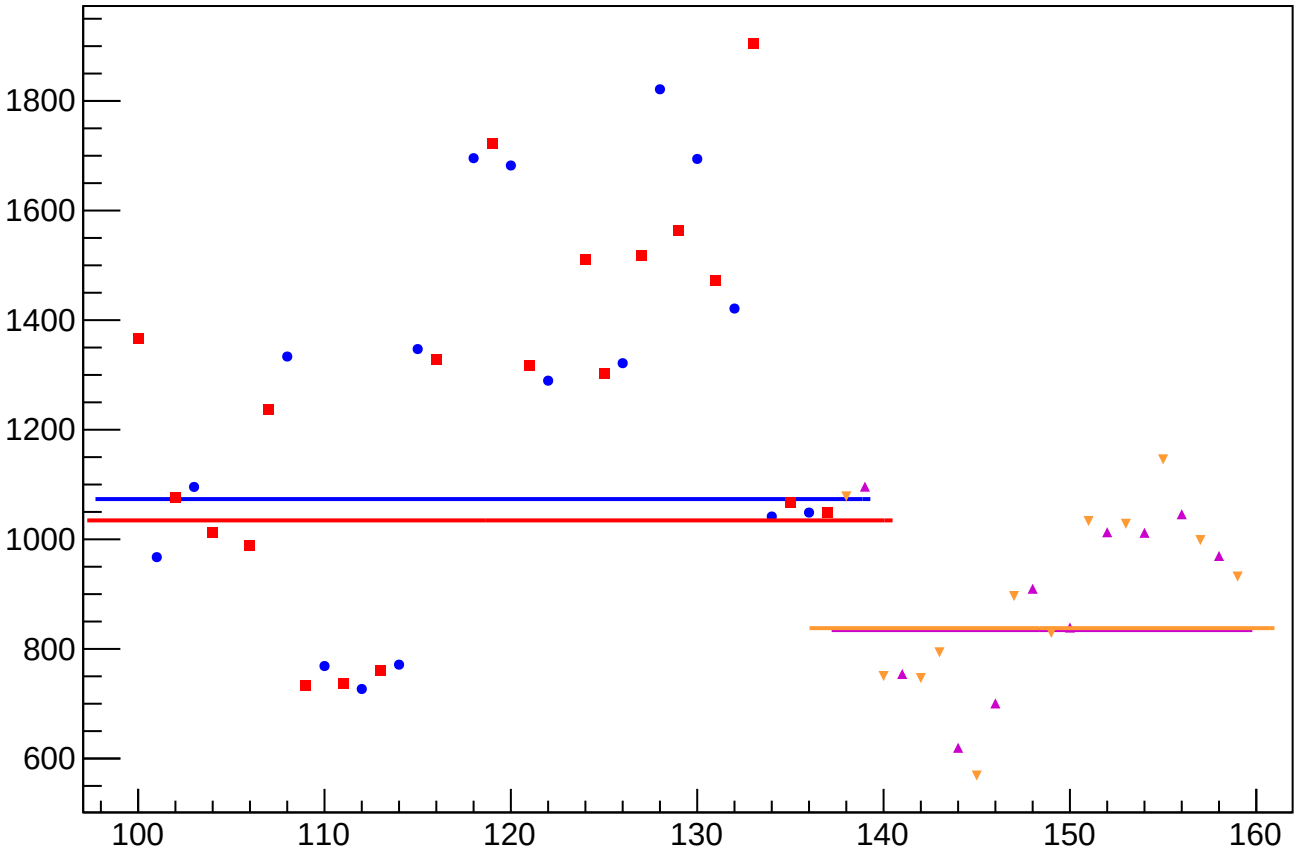
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -372.393+/-289.049 χ^2/NDF:5.3/9

\+ sign -1047.794+/-231.210 χ^2/NDF: 55.8/27

All: -810.479+/-164.300 χ^2/NDF: 77.6/56

\- sign -568.402+/-233.518 χ^2/NDF: 19.7/28



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

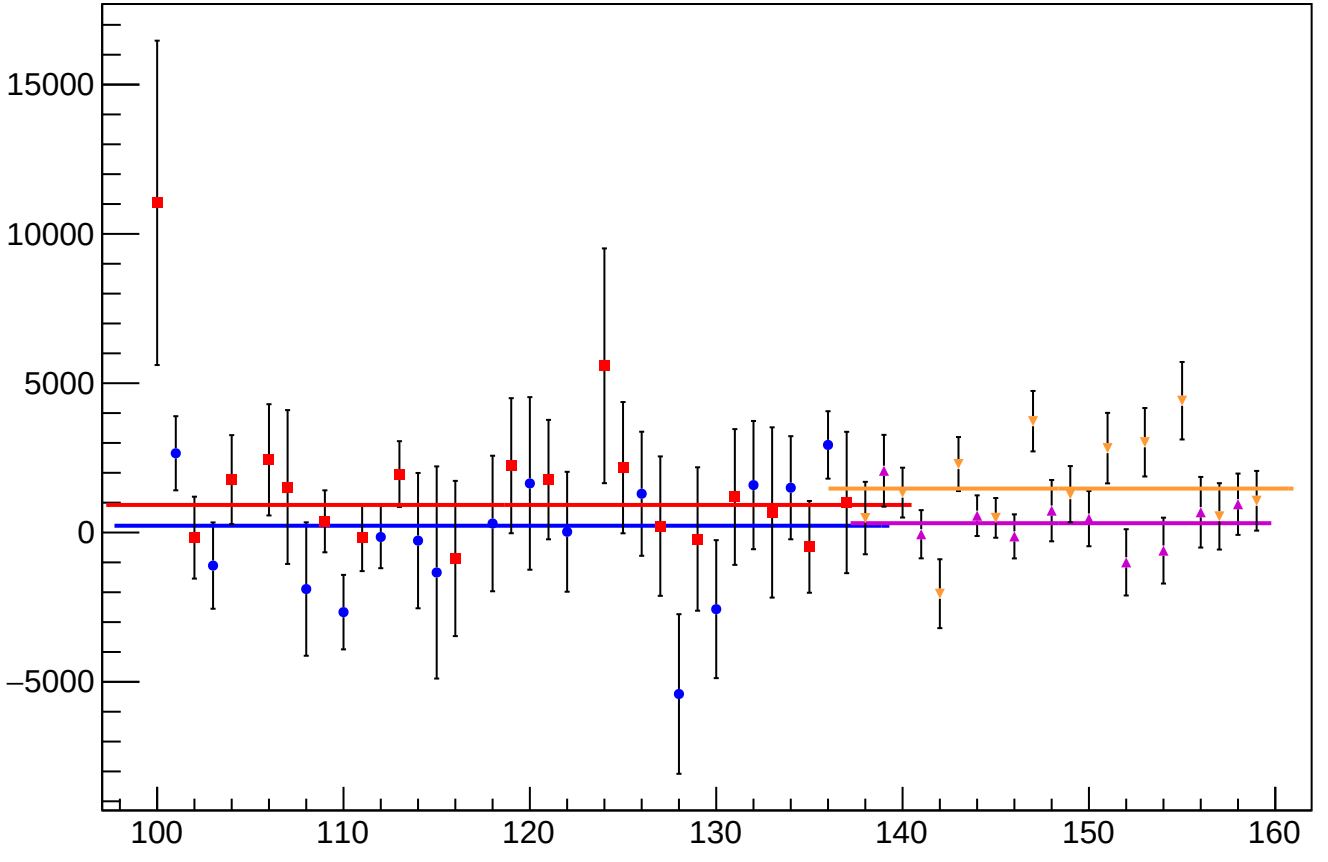
Left In: 834.389+/-0.204 χ^2/NDF:610299.1/9

\+ sign 910.302+/-0.163 χ^2/NDF: 2298745.9/27

All: 907.135+/-0.116 χ^2/NDF: 4472201.7/56

\- sign 903.904+/-0.165 χ^2/NDF: 2172697.5/28

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

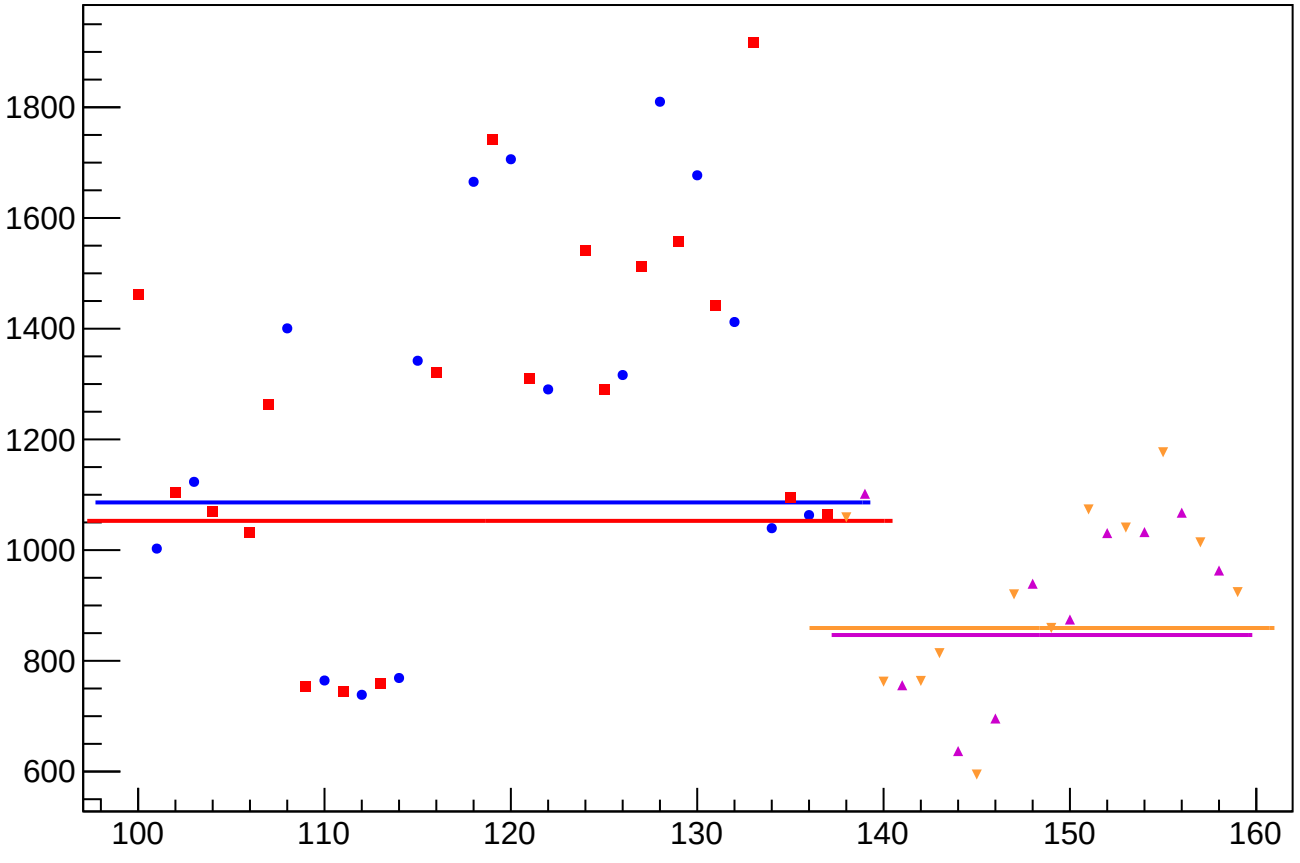
Left In: 312.615+/-293.105 χ^2/NDF:5.6/9

+ sign 1082.604+/-235.954 χ^2/NDF: 57.6/27

All: 804.582+/-167.235 χ^2/NDF: 78.7/56

- sign 523.943+/-237.061 χ^2/NDF: 18.3/28

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

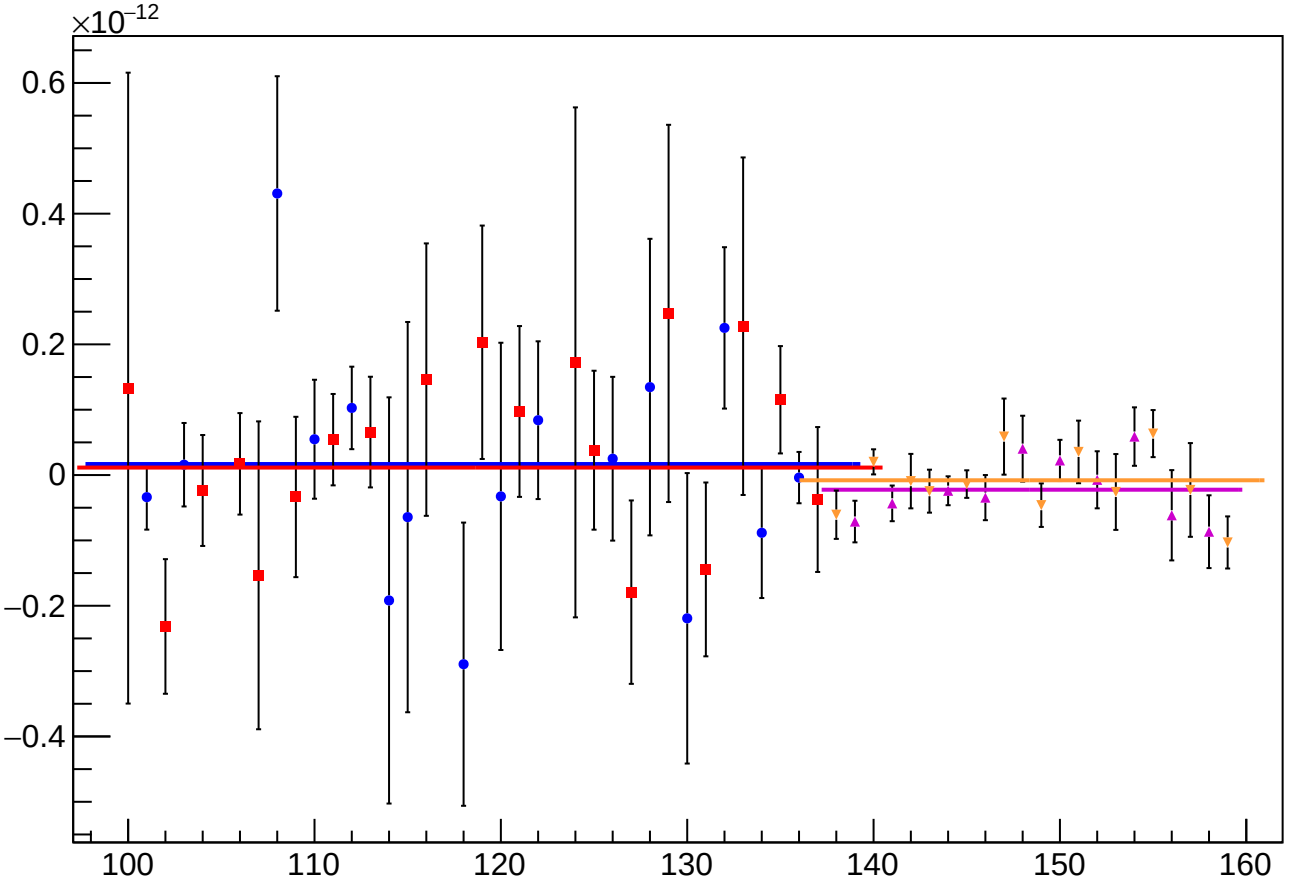
Left In: 846.623+/-0.207 χ^2/NDF:614387.6/9

+ sign 930.268+/-0.167 χ^2/NDF: 2152045.0/27

All: 924.133+/-0.118 χ^2/NDF: 4305930.7/56

- sign 917.941+/-0.168 χ^2/NDF: 2151169.1/28

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/11

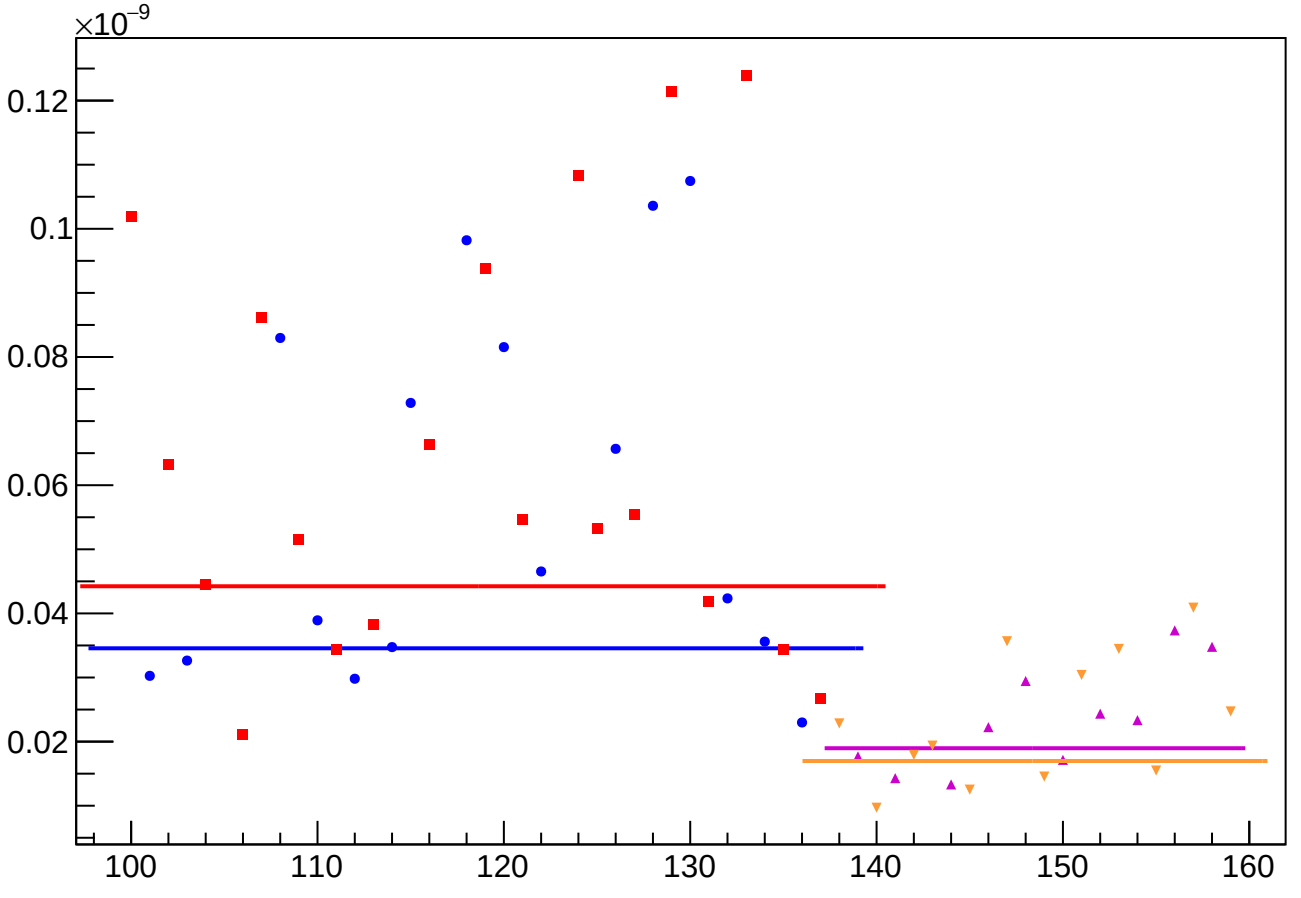
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/27

All: -0.000+/-0.000 χ^2/NDF: 65.6/56

- sign -0.000+/-0.000 χ^2/NDF: 28.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1295911.3/11

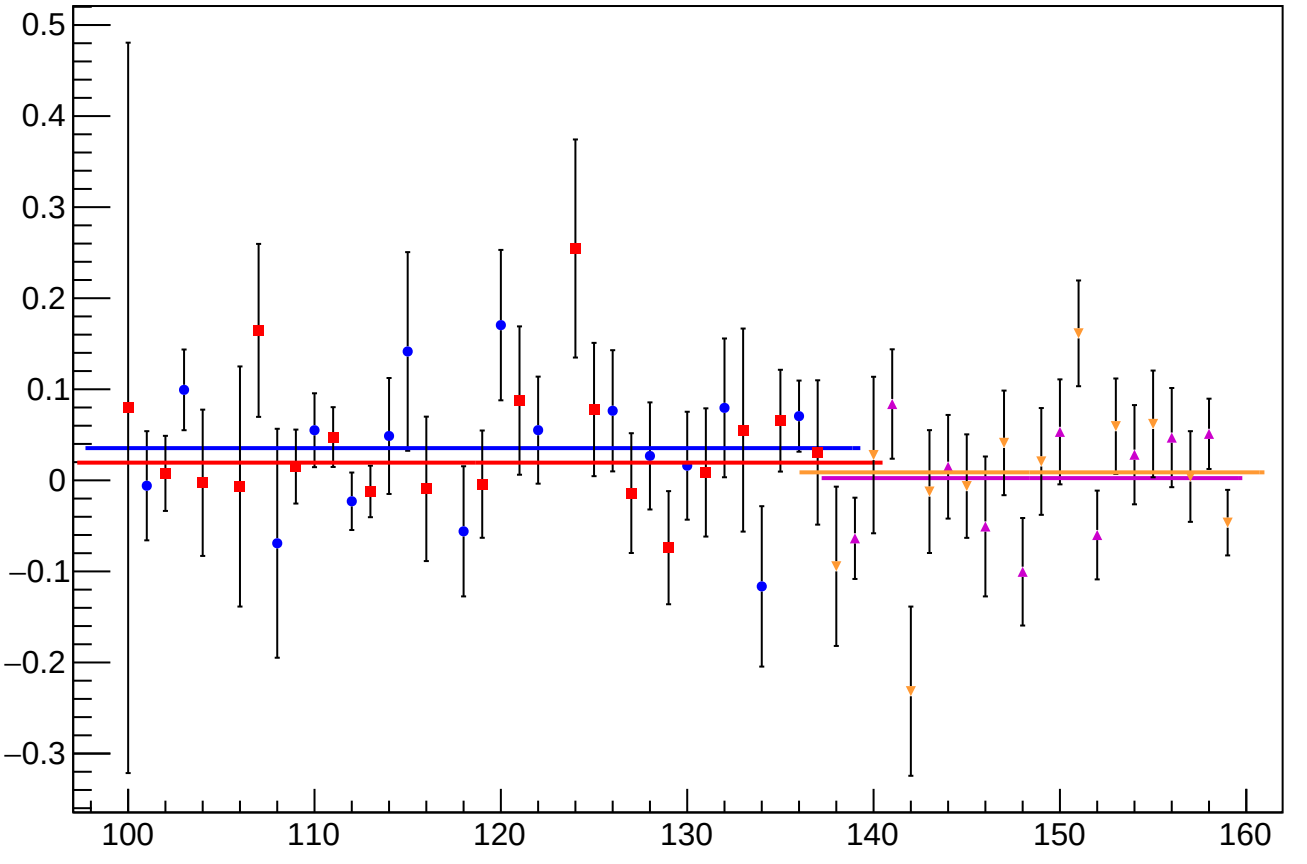
Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:655872.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3570148.8/27

All: 0.000+/-0.000 χ^2/NDF: 6892442.4/56

- sign 0.000+/-0.000 χ^2/NDF: 3238370.9/28



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.017 χ^2/NDF:19.7/11

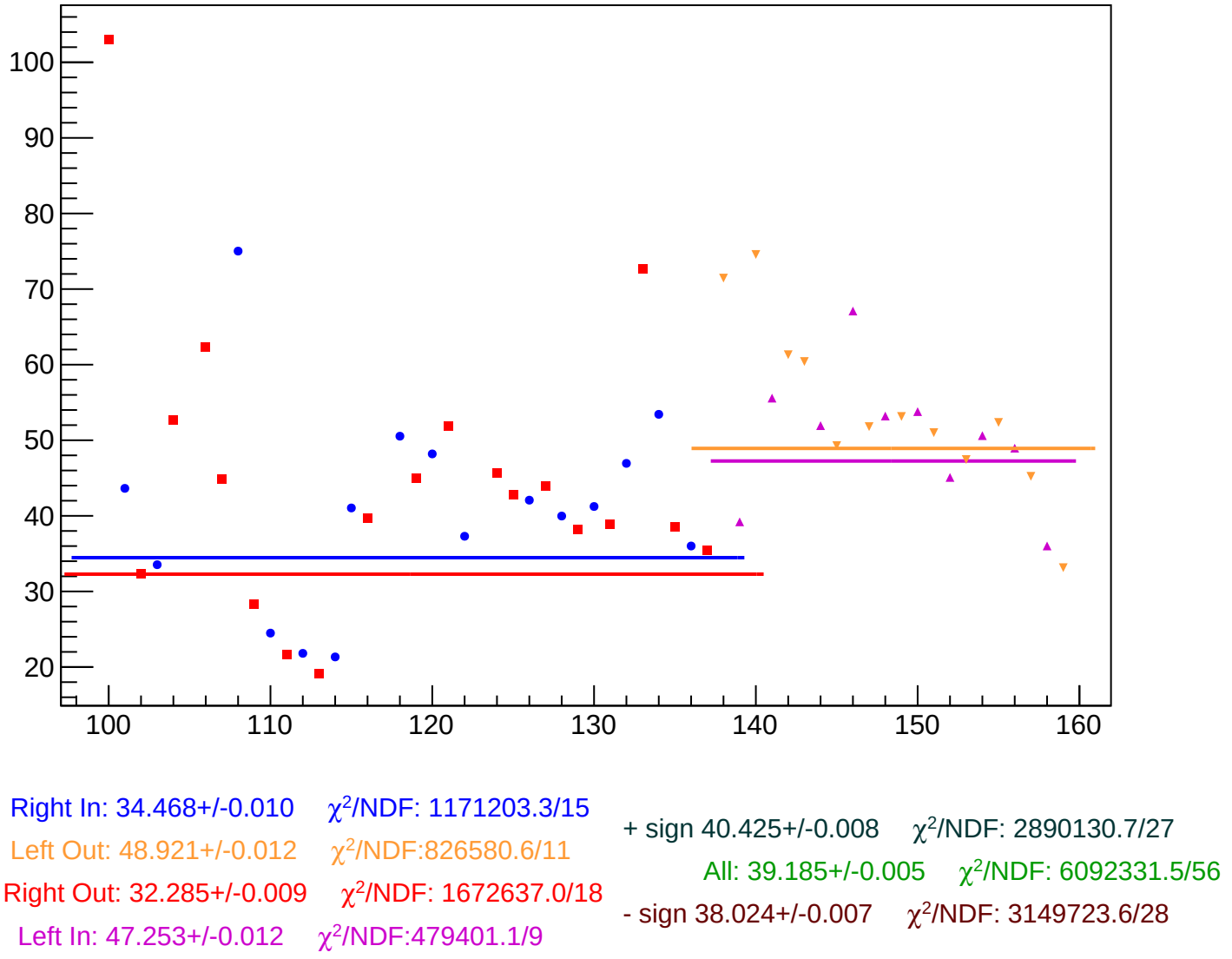
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

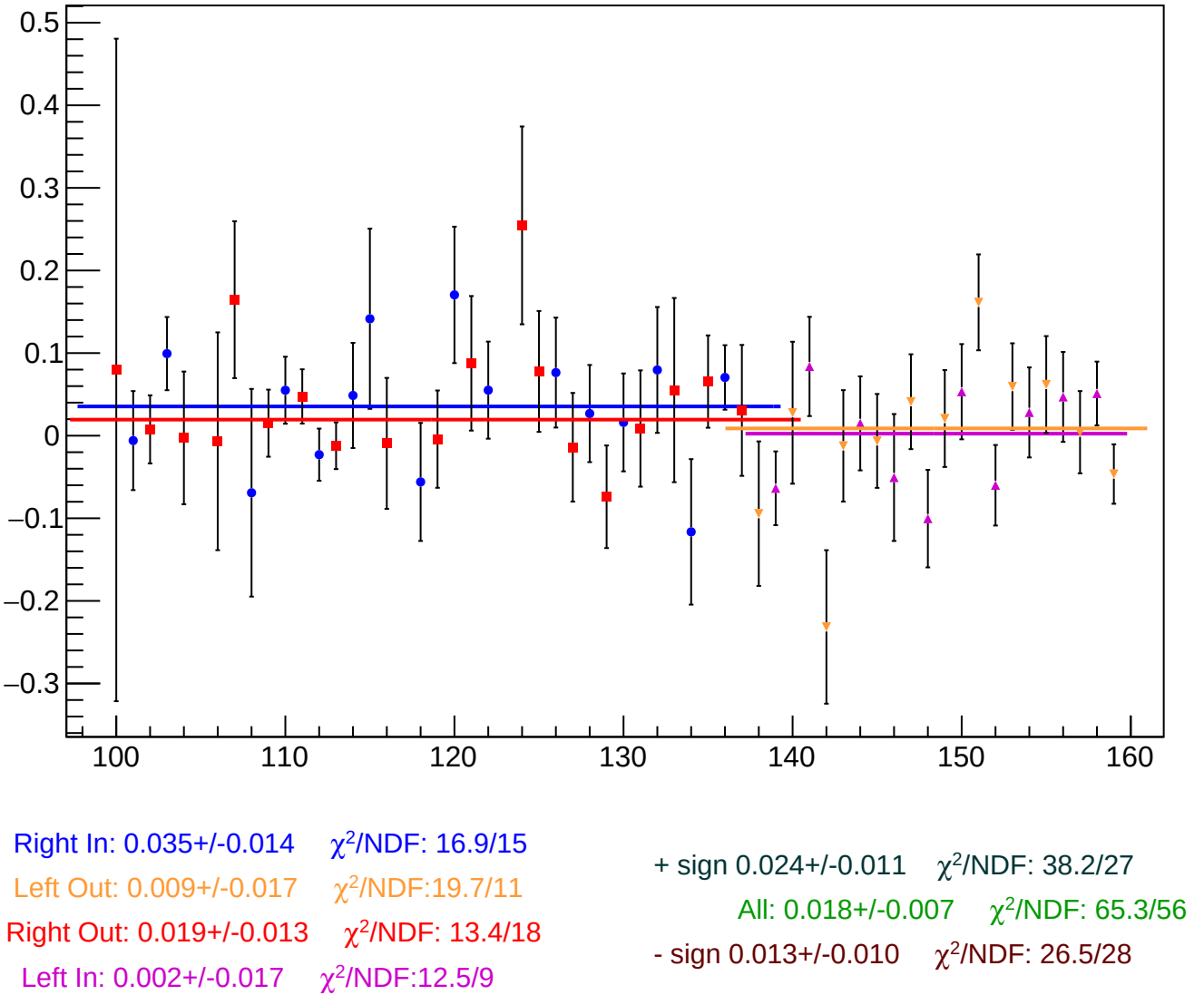
Left In: 0.002+/-0.017 χ^2/NDF:12.5/9

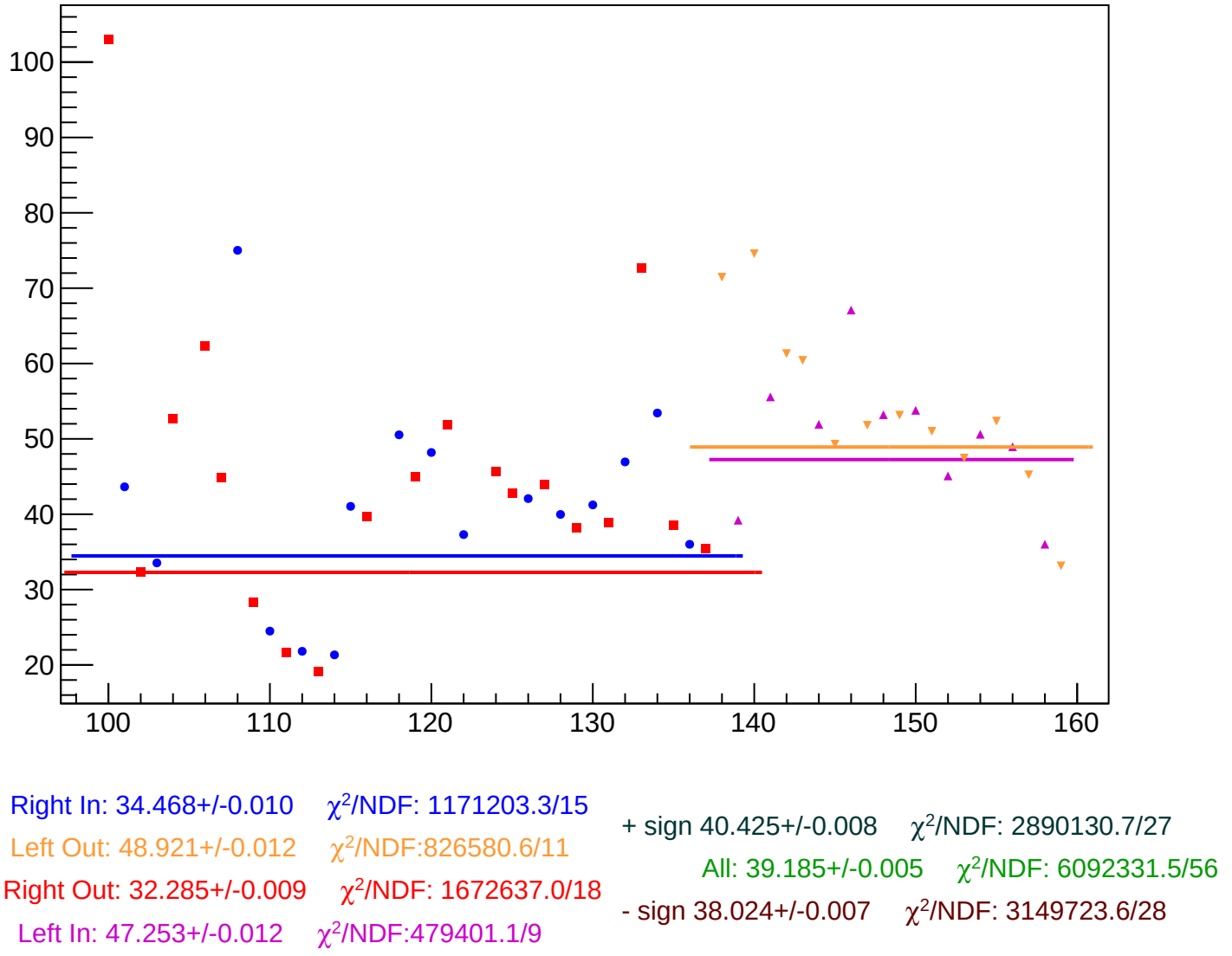
+ sign 0.024+/-0.011 χ^2/NDF: 38.2/27

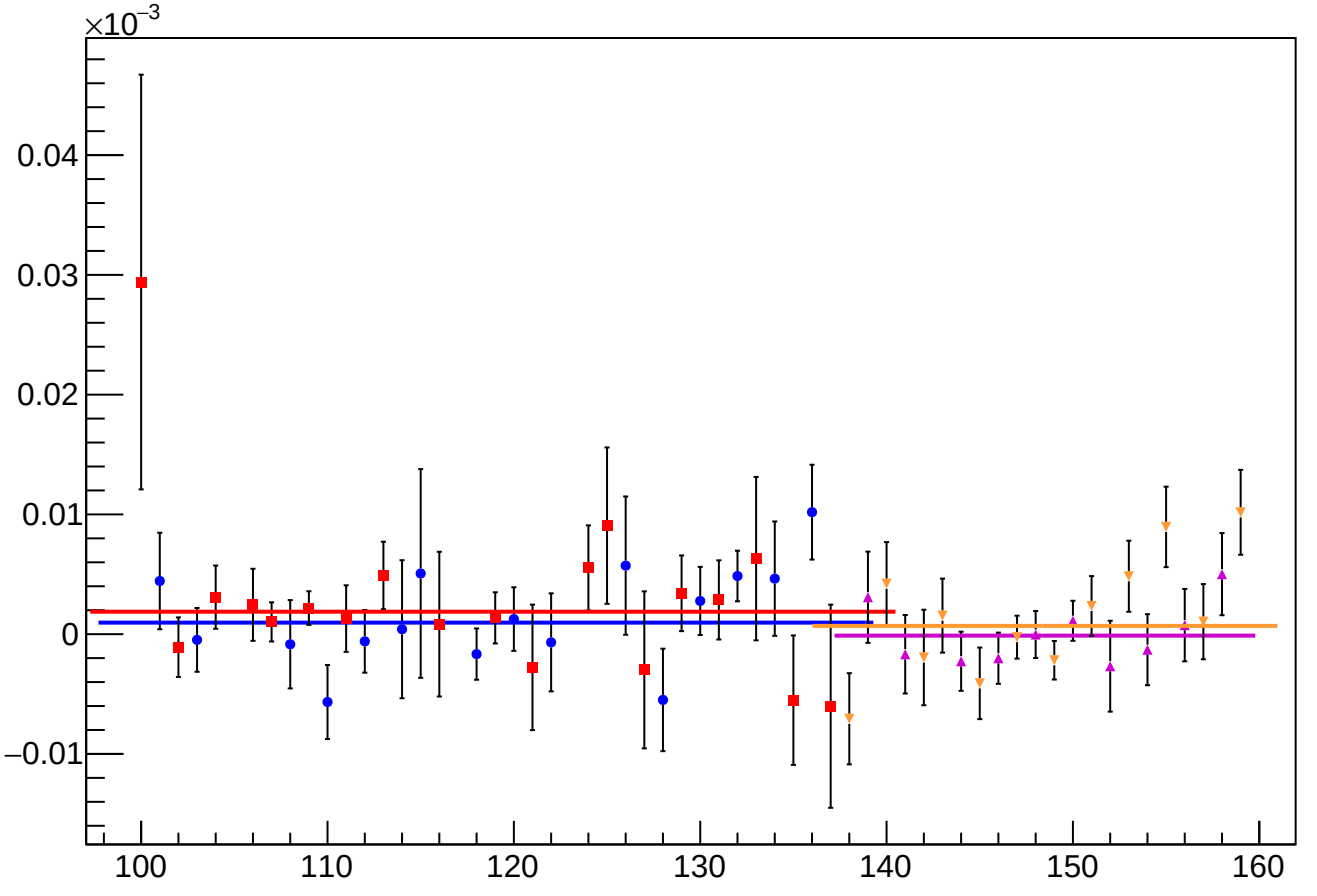
All: 0.018+/-0.007 χ^2/NDF: 65.3/56

- sign 0.013+/-0.010 χ^2/NDF: 26.5/28


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: 47.253+/-0.012 χ²/NDF:479401.1/9
+ sign 40.425+/-0.008 χ²/NDF: 2890130.7/27
All: 39.185+/-0.005 χ²/NDF: 6092331.5/56
- sign 38.024+/-0.007 χ²/NDF: 3149723.6/28


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
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: 0.002+/-0.017 χ²/NDF:12.5/9
+ sign 0.024+/-0.011 χ²/NDF: 38.2/27
All: 0.018+/-0.007 χ²/NDF: 65.3/56
- sign 0.013+/-0.010 χ²/NDF: 26.5/28


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: 47.253+/-0.012 χ²/NDF:479401.1/9
+ sign 40.425+/-0.008 χ²/NDF: 2890130.7/27
All: 39.185+/-0.005 χ²/NDF: 6092331.5/56
- sign 38.024+/-0.007 χ²/NDF: 3149723.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/11

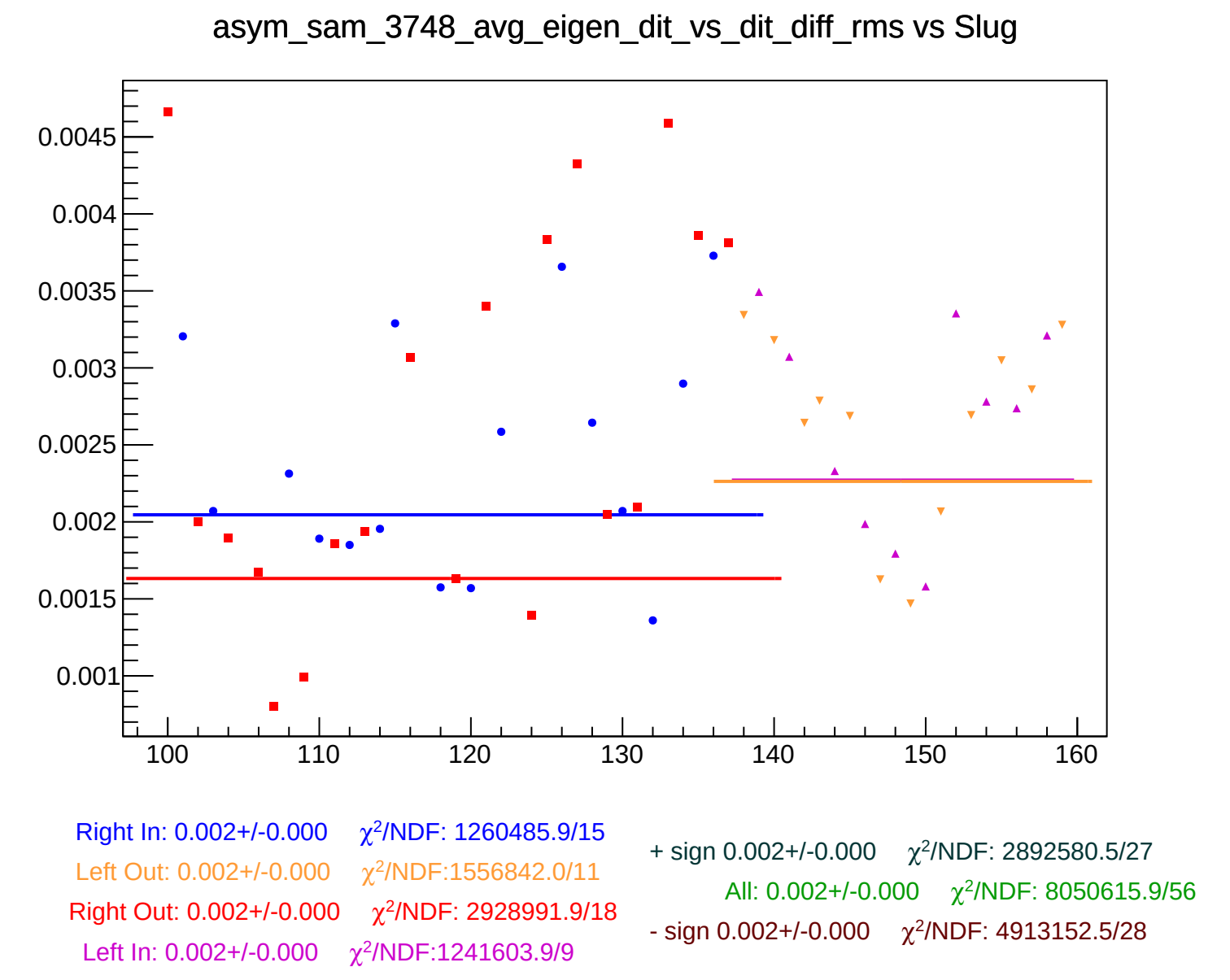
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

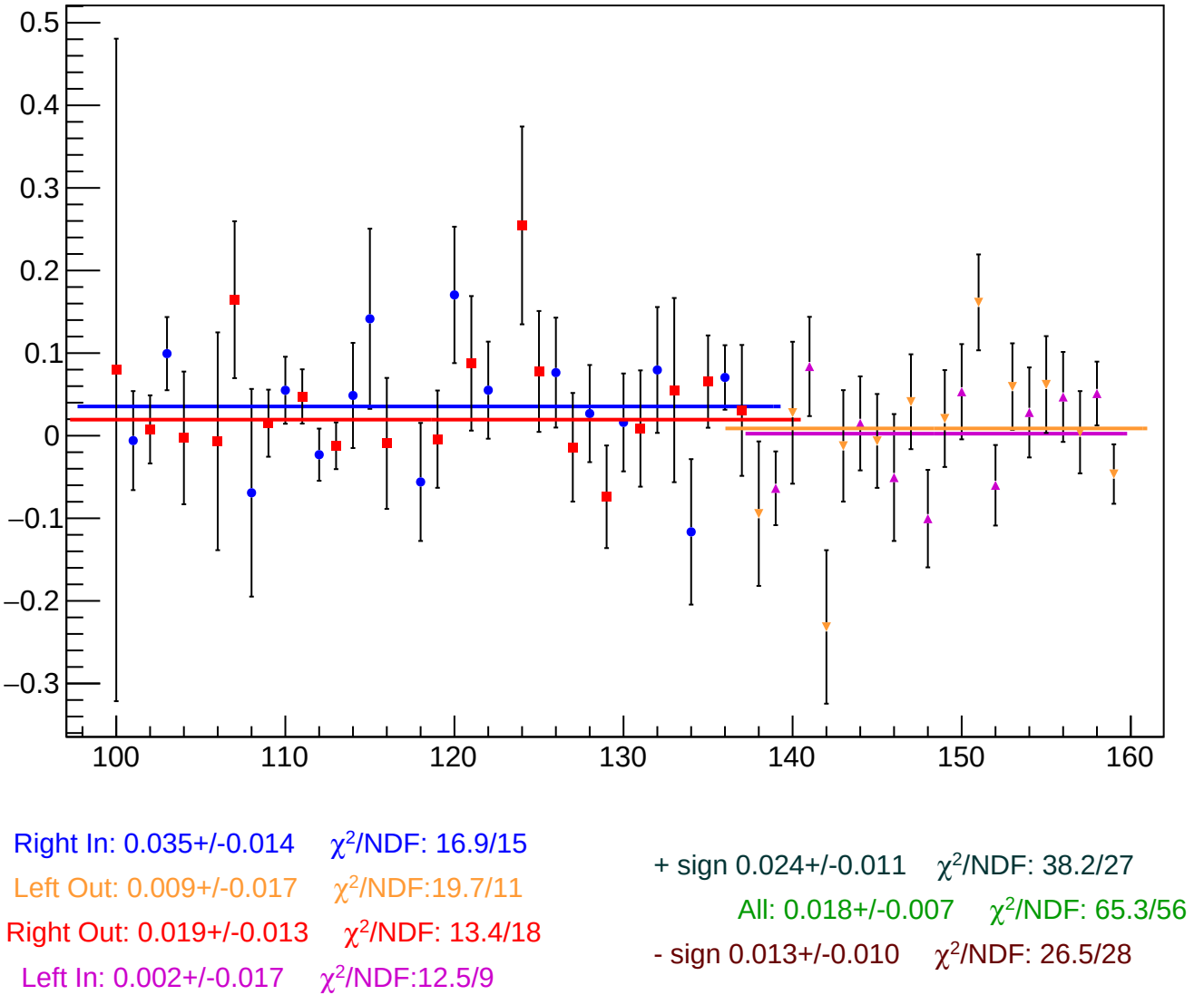
Left In: -0.000+/-0.000 χ^2/NDF:6.0/9

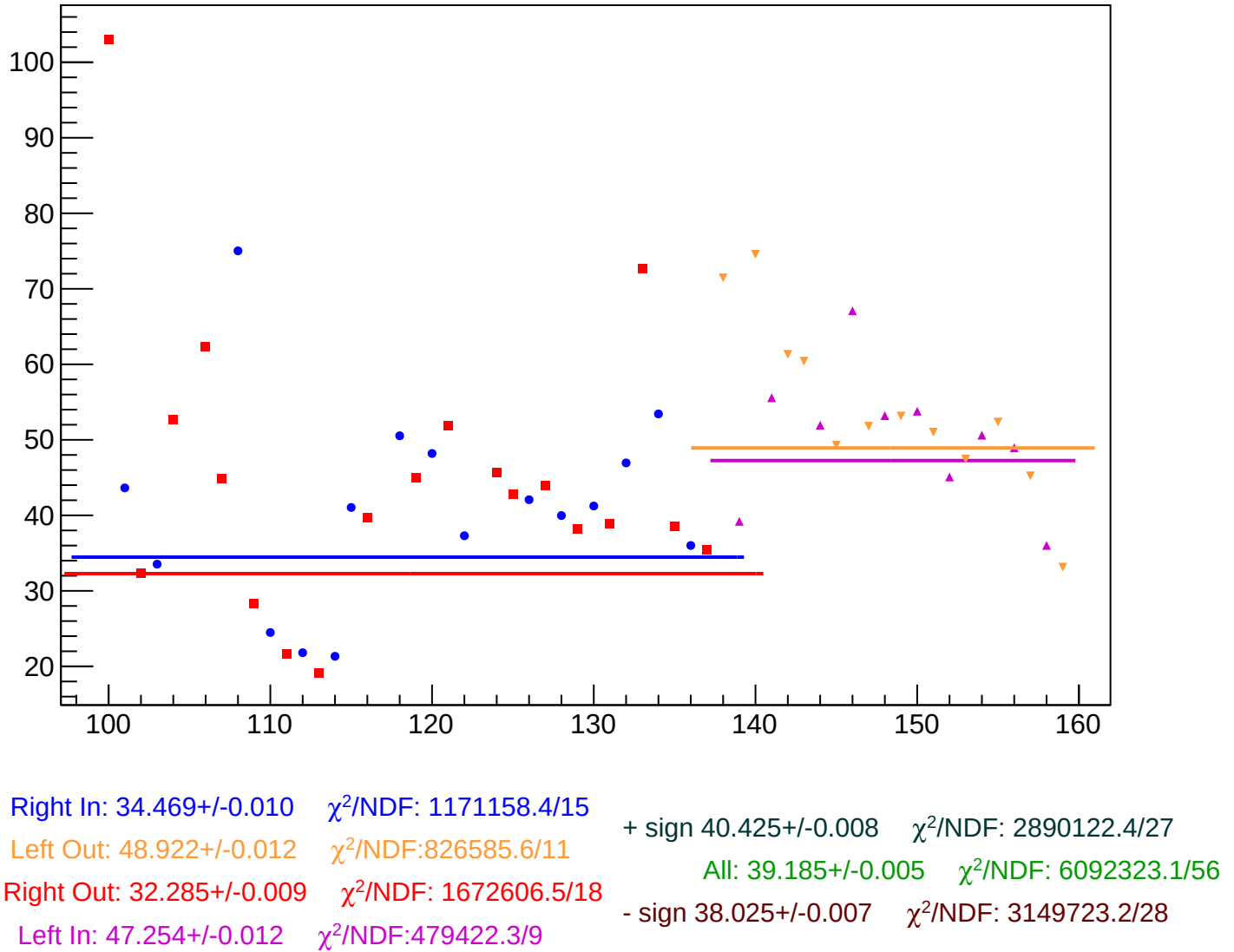
+ sign 0.000+/-0.000 χ^2/NDF: 48.3/27

All: 0.000+/-0.000 χ^2/NDF: 70.9/56

- sign 0.000+/-0.000 χ^2/NDF: 22.5/28


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:1241603.9/9
+ sign 0.002+/-0.000 χ²/NDF: 2892580.5/27
All: 0.002+/-0.000 χ²/NDF: 8050615.9/56
- sign 0.002+/-0.000 χ²/NDF: 4913152.5/28


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.009+/-0.017 χ²/NDF:19.7/11
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.002+/-0.017 χ²/NDF:12.5/9
+ sign 0.024+/-0.011 χ²/NDF: 38.2/27
All: 0.018+/-0.007 χ²/NDF: 65.3/56
- sign 0.013+/-0.010 χ²/NDF: 26.5/28


asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug
100
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110
120
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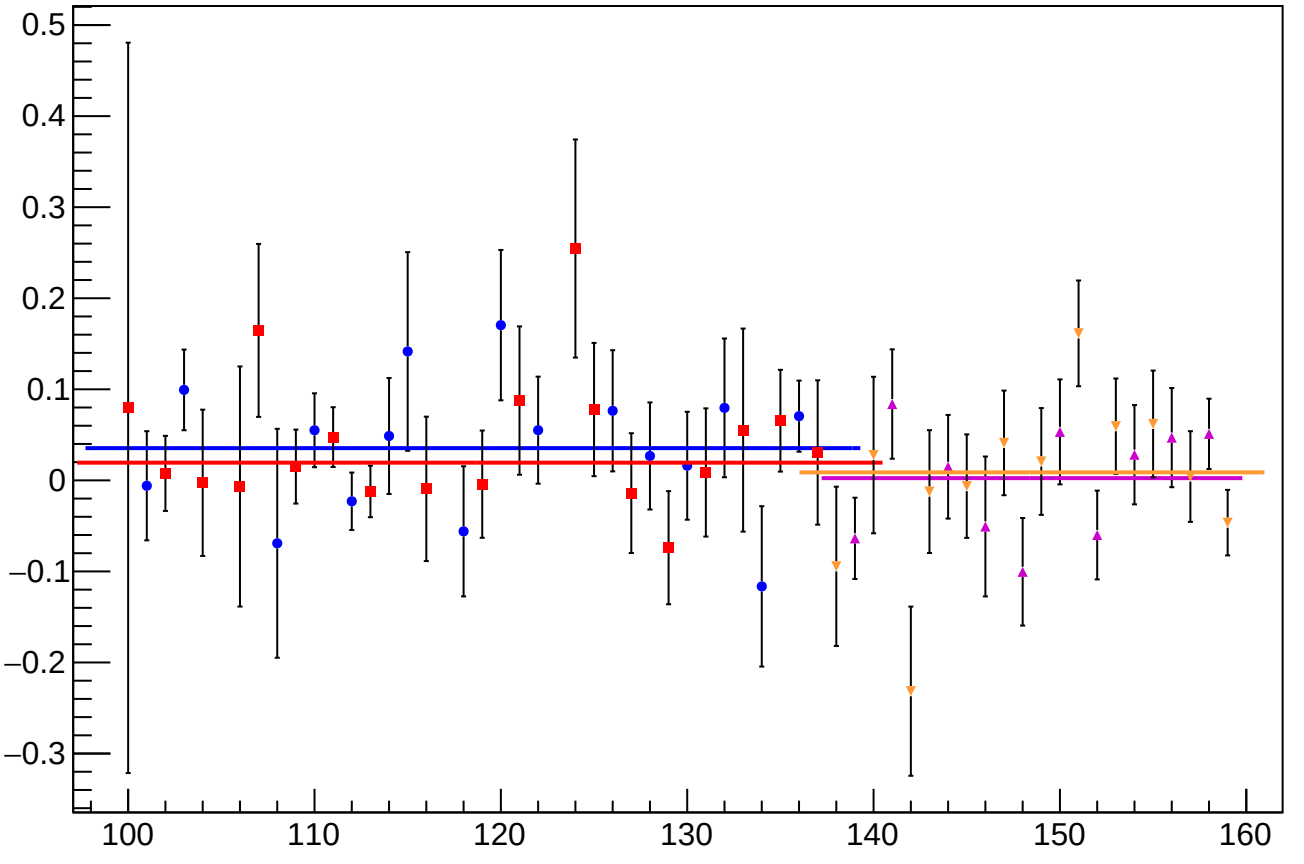
140
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 48.922+/-0.012 χ²/NDF:826585.6/11
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 47.254+/-0.012 χ²/NDF:479422.3/9
+ sign 40.425+/-0.008 χ²/NDF: 2890122.4/27
All: 39.185+/-0.005 χ²/NDF: 6092323.1/56
- sign 38.025+/-0.007 χ²/NDF: 3149723.2/28



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.017 χ^2/NDF:19.7/11

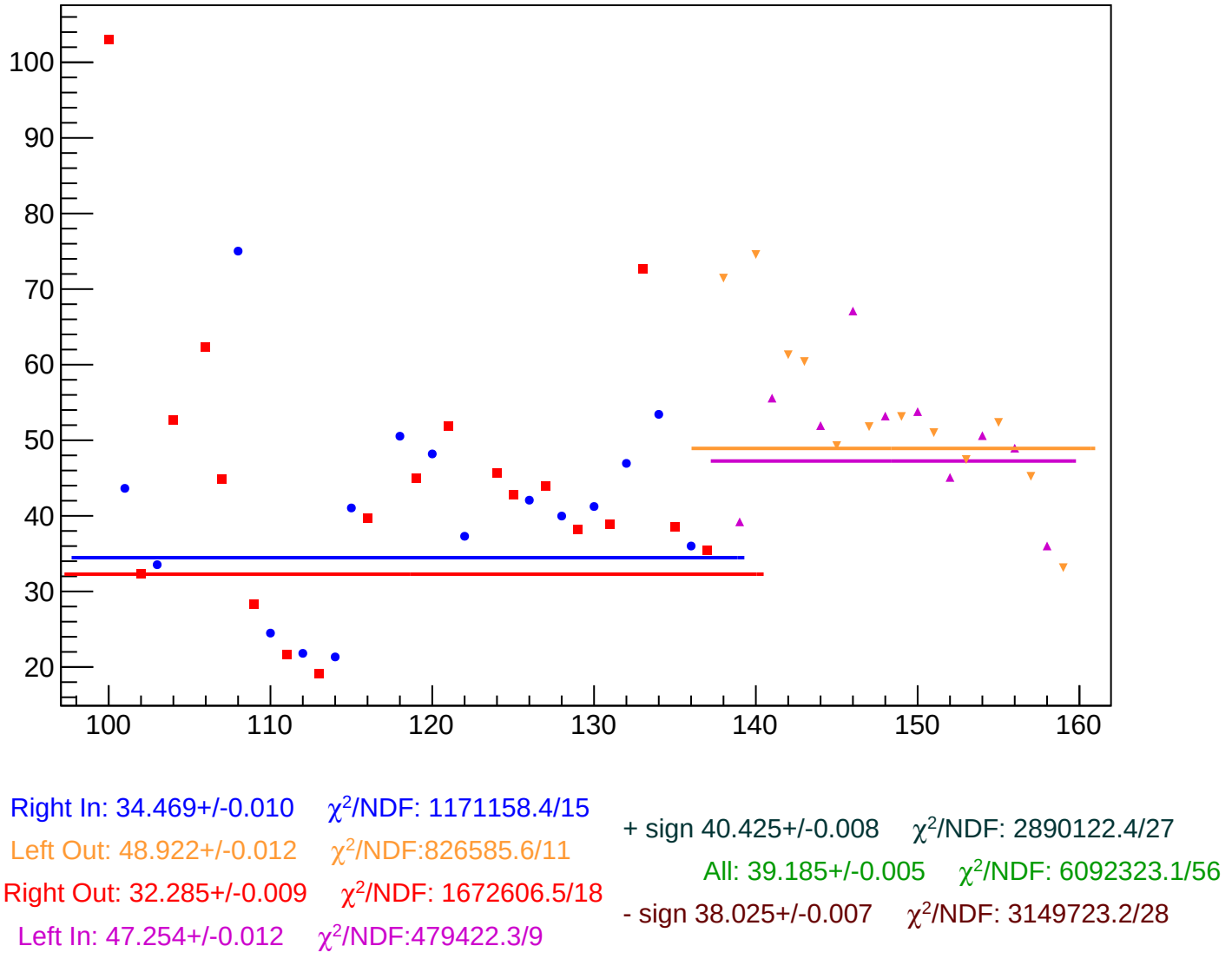
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.002+/-0.017 χ^2/NDF:12.5/9

+ sign 0.024+/-0.011 χ^2/NDF: 38.2/27

All: 0.018+/-0.007 χ^2/NDF: 65.3/56

- sign 0.013+/-0.010 χ^2/NDF: 26.5/28


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
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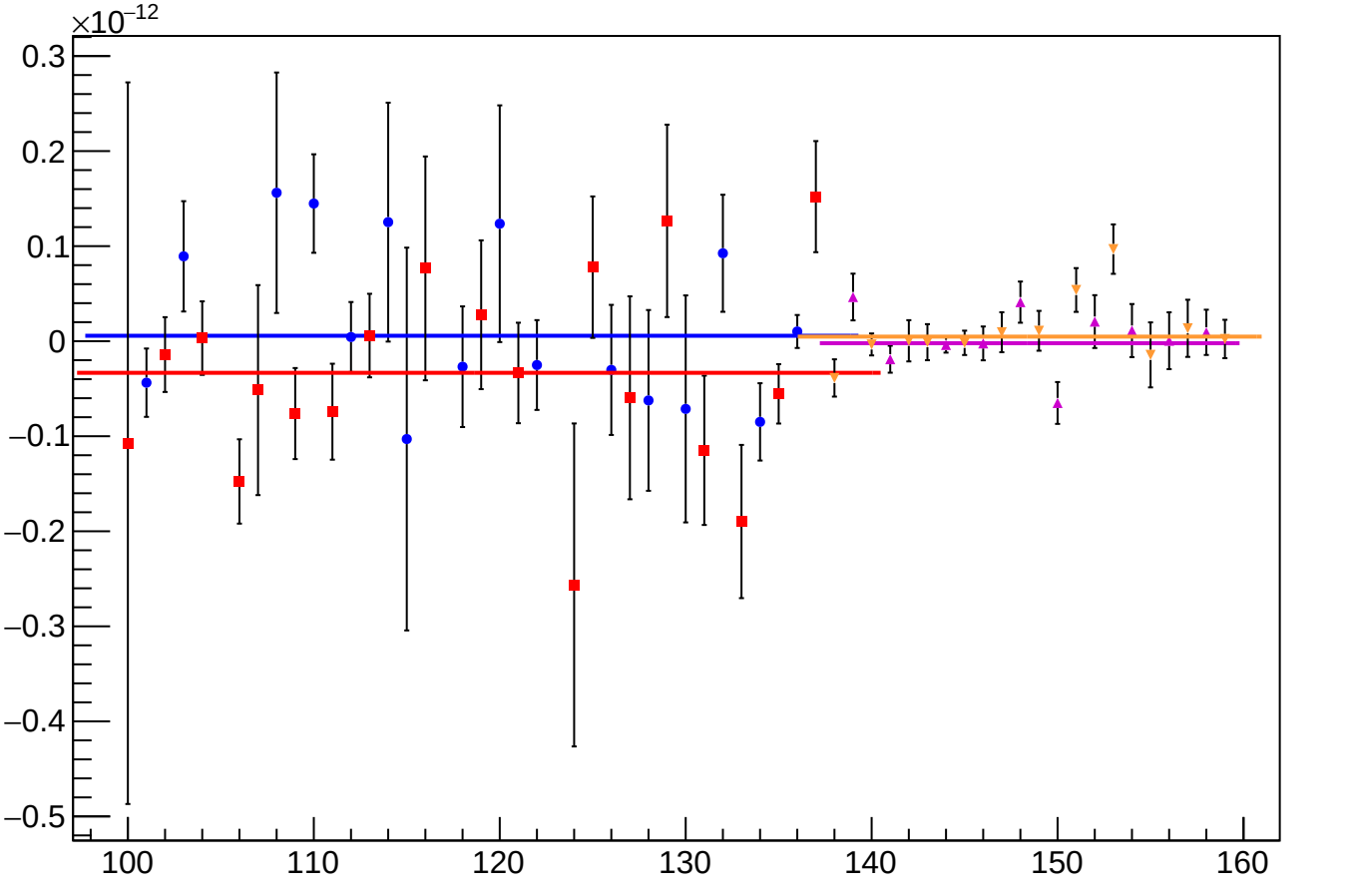
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 48.922+/-0.012 χ²/NDF:826585.6/11
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 47.254+/-0.012 χ²/NDF:479422.3/9
+ sign 40.425+/-0.008 χ²/NDF: 2890122.4/27
All: 39.185+/-0.005 χ²/NDF: 6092323.1/56
- sign 38.025+/-0.007 χ²/NDF: 3149723.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/11

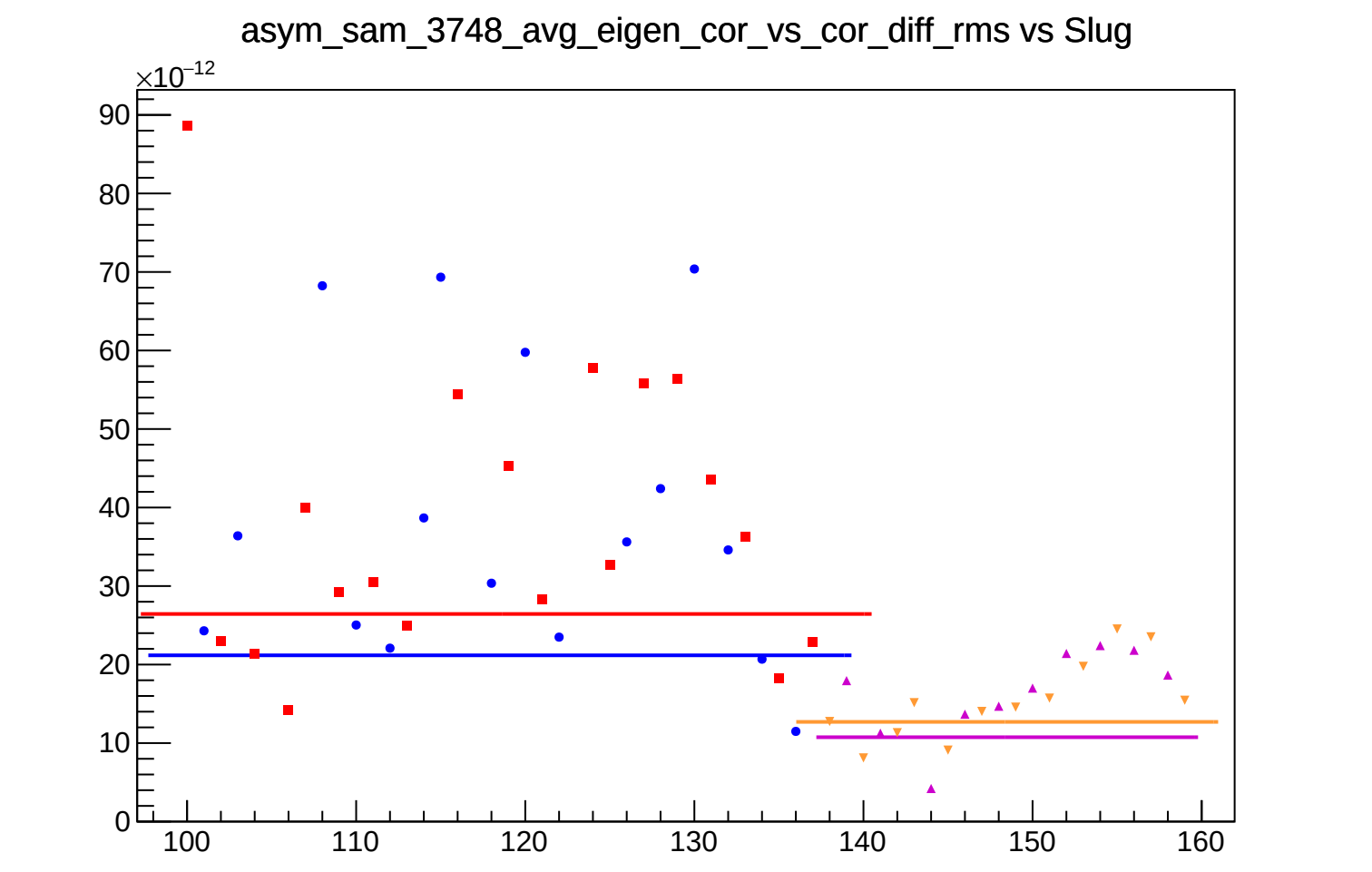
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 47.0/27

All: -0.000+/-0.000 χ^2/NDF: 106.8/56

- sign -0.000+/-0.000 χ^2/NDF: 57.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1257304.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

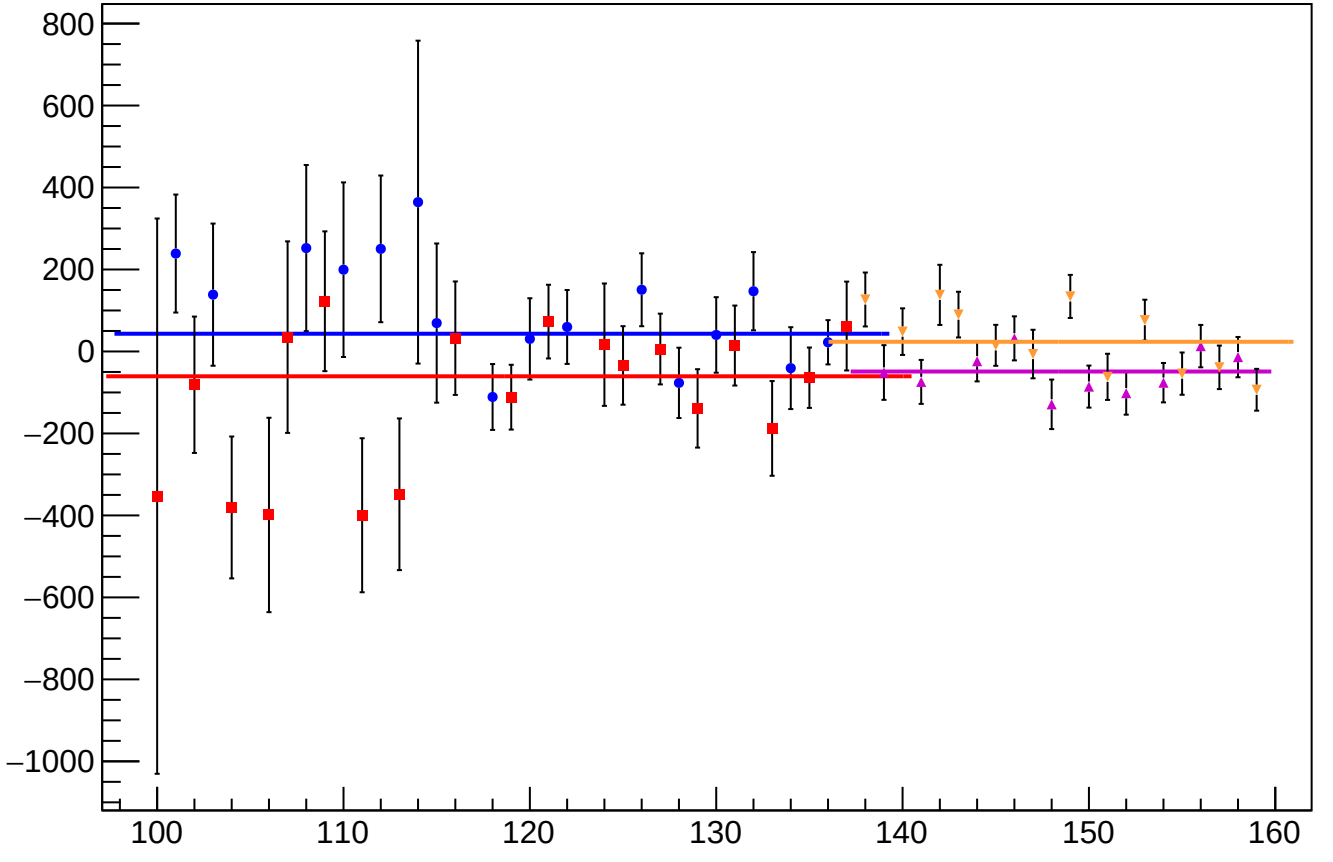
Left In: 0.000+/-0.000 χ^2/NDF:2905414.3/9

\+ sign 0.000+/-0.000 χ^2/NDF: 4235954.2/27

All: 0.000+/-0.000 χ^2/NDF: 10904346.7/56

\- sign 0.000+/-0.000 χ^2/NDF: 6602889.8/28

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

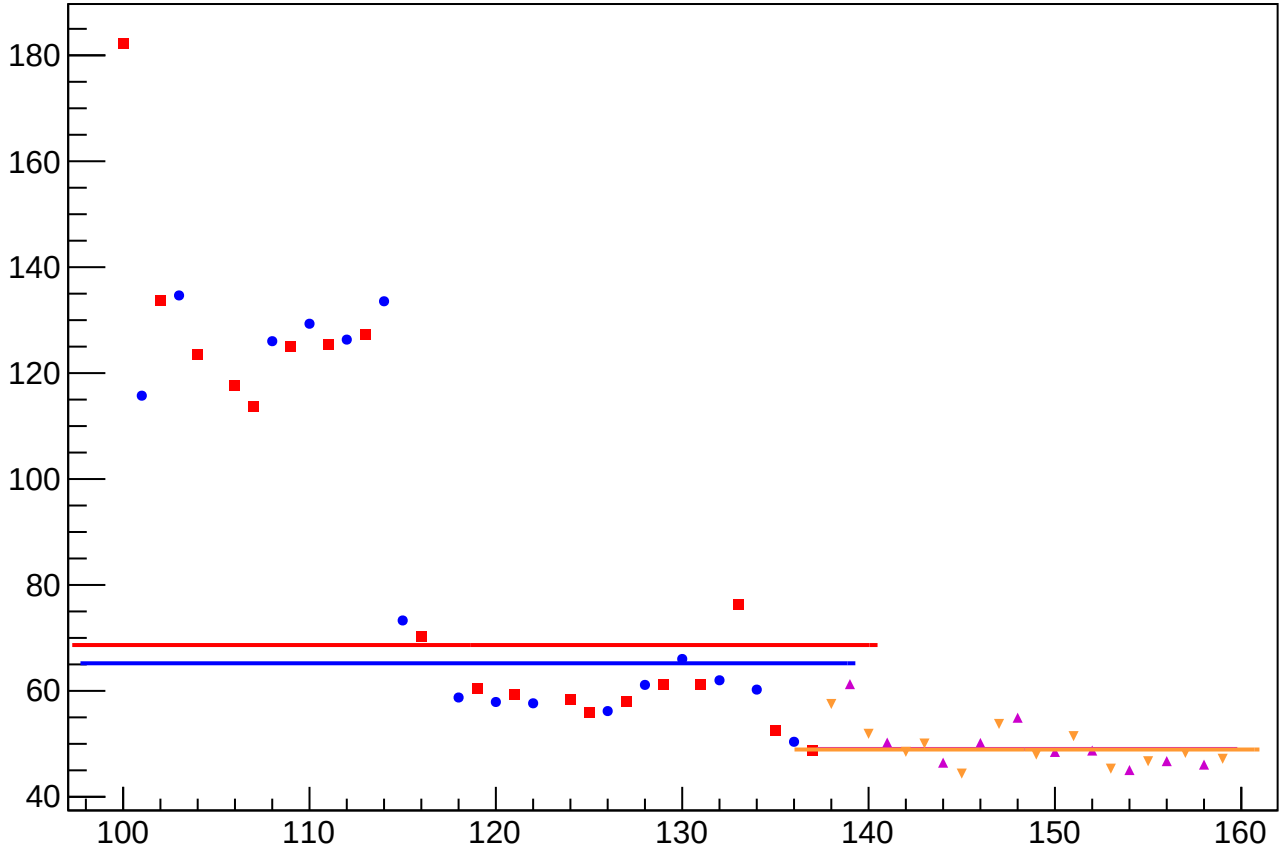
Left In: -48.946+/-16.740 χ^2/NDF:8.3/9

+ sign 29.059+/-13.568 χ^2/NDF: 38.9/27

All: -9.688+/-9.814 χ^2/NDF: 84.9/56

- sign -52.195+/-14.212 χ^2/NDF: 28.8/28

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

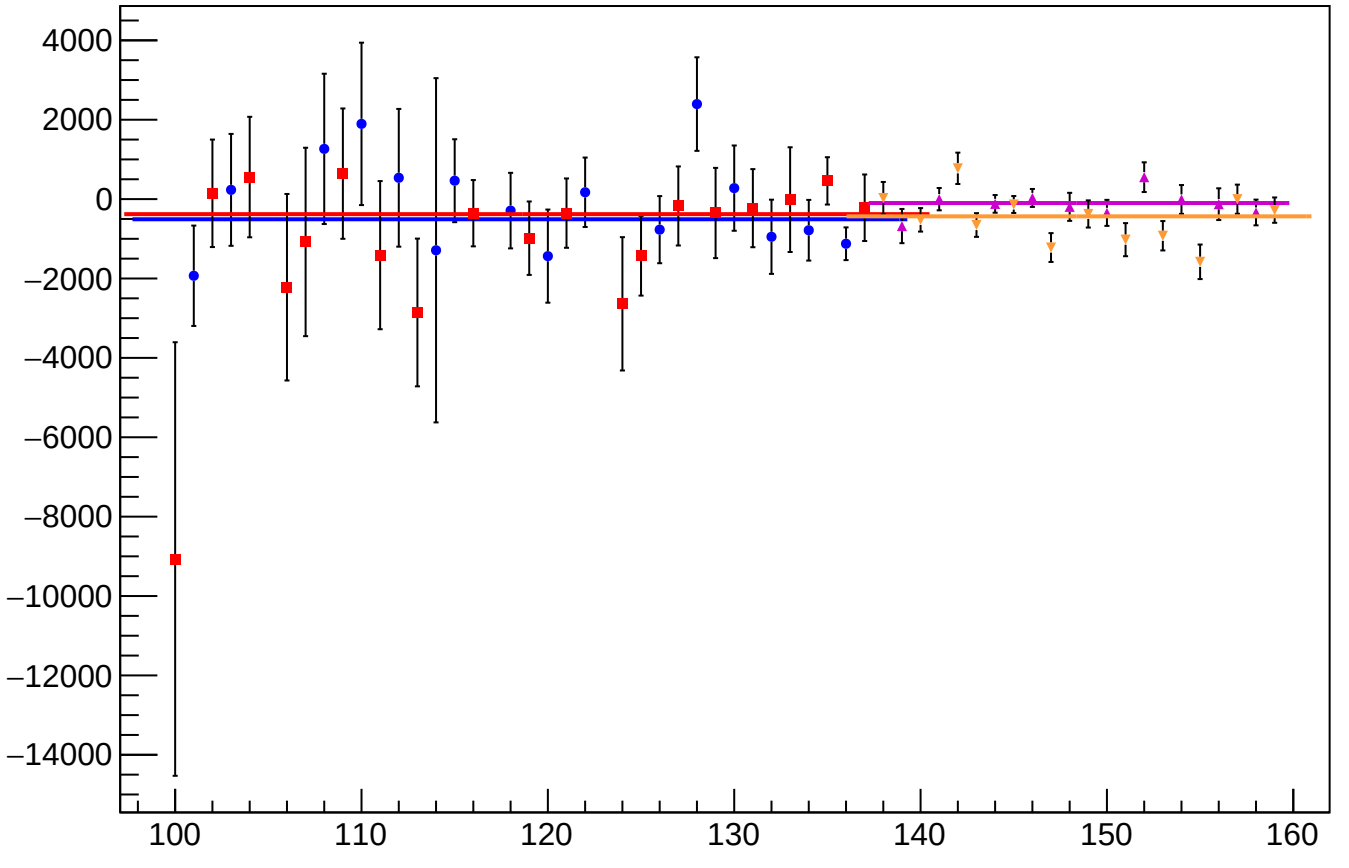
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

\+ sign 53.441+/-0.010 χ^2/NDF: 2115105.2/27

All: 53.952+/-0.007 χ^2/NDF: 4648415.8/56

\- sign 54.513+/-0.010 χ^2/NDF: 2527351.6/28



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

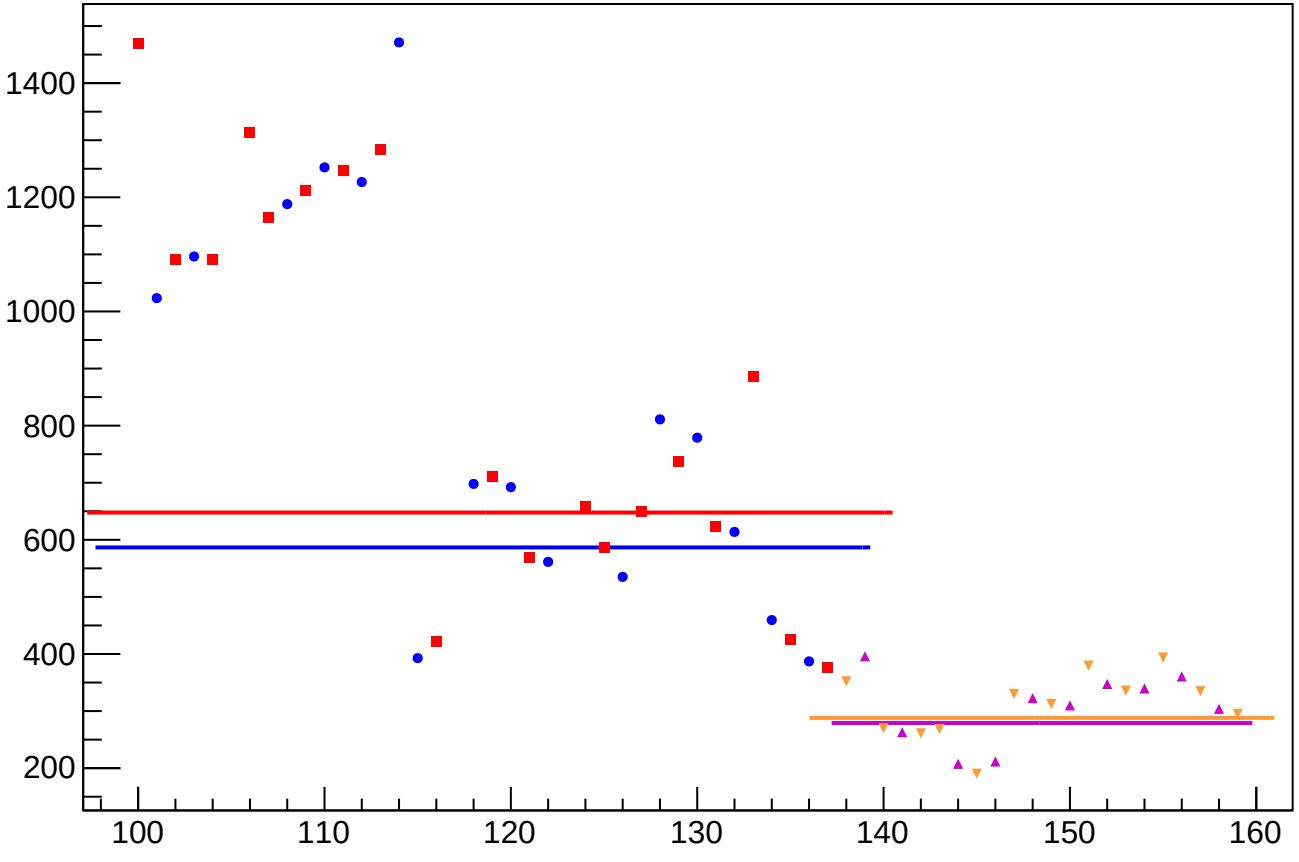
Left In: -98.761+/-97.346 χ^2/NDF:6.5/9

+ sign -444.535+/-88.839 χ^2/NDF: 46.0/27

All: -293.038+/-63.572 χ^2/NDF: 71.3/56

- sign -134.052+/-91.008 χ^2/NDF: 19.3/28

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

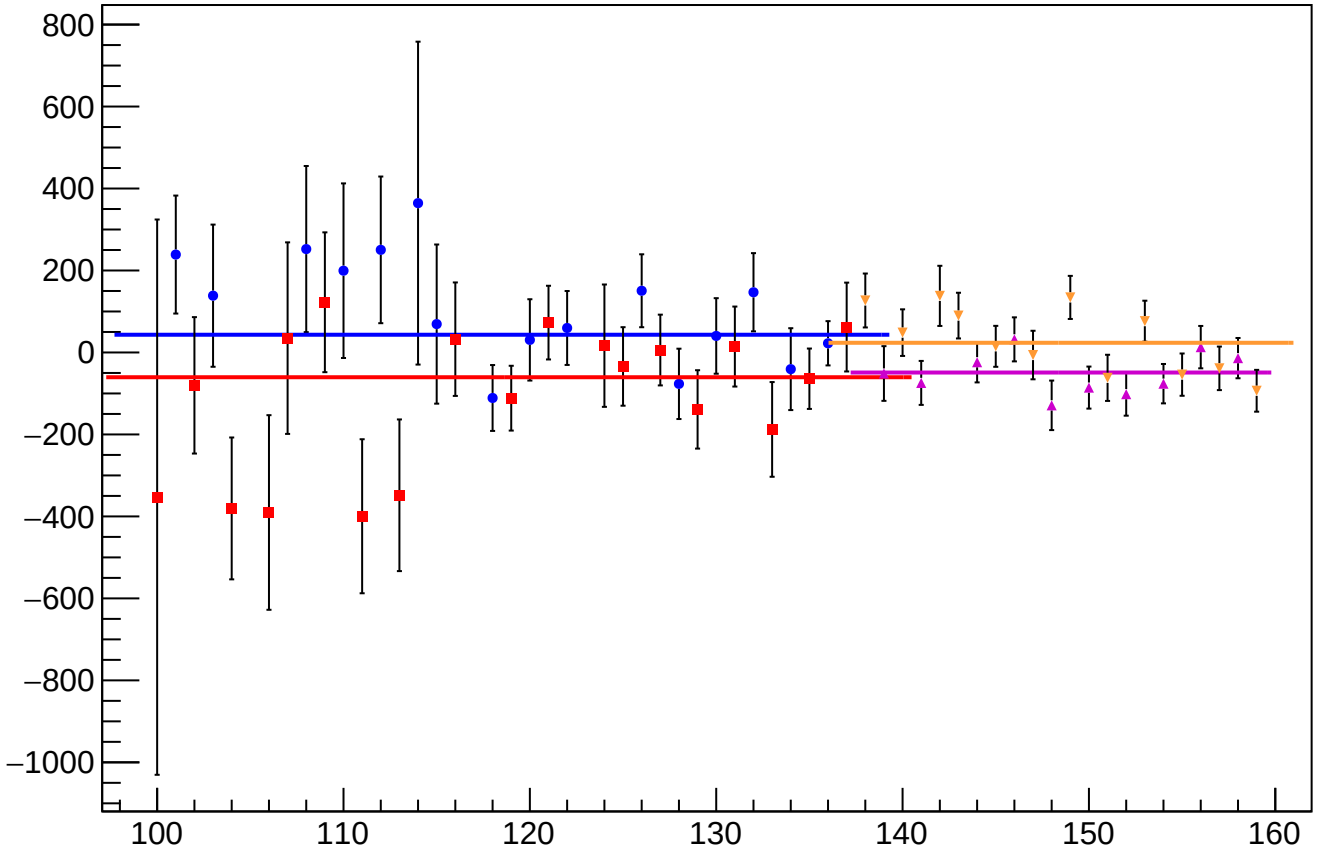
Left In: 279.076+/-0.069 χ^2/NDF:802362.9/9

+ sign 330.087+/-0.063 χ^2/NDF: 5596689.9/27

All: 327.858+/-0.045 χ^2/NDF: 12120892.4/56

- sign 325.520+/-0.064 χ^2/NDF: 6521623.9/28

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

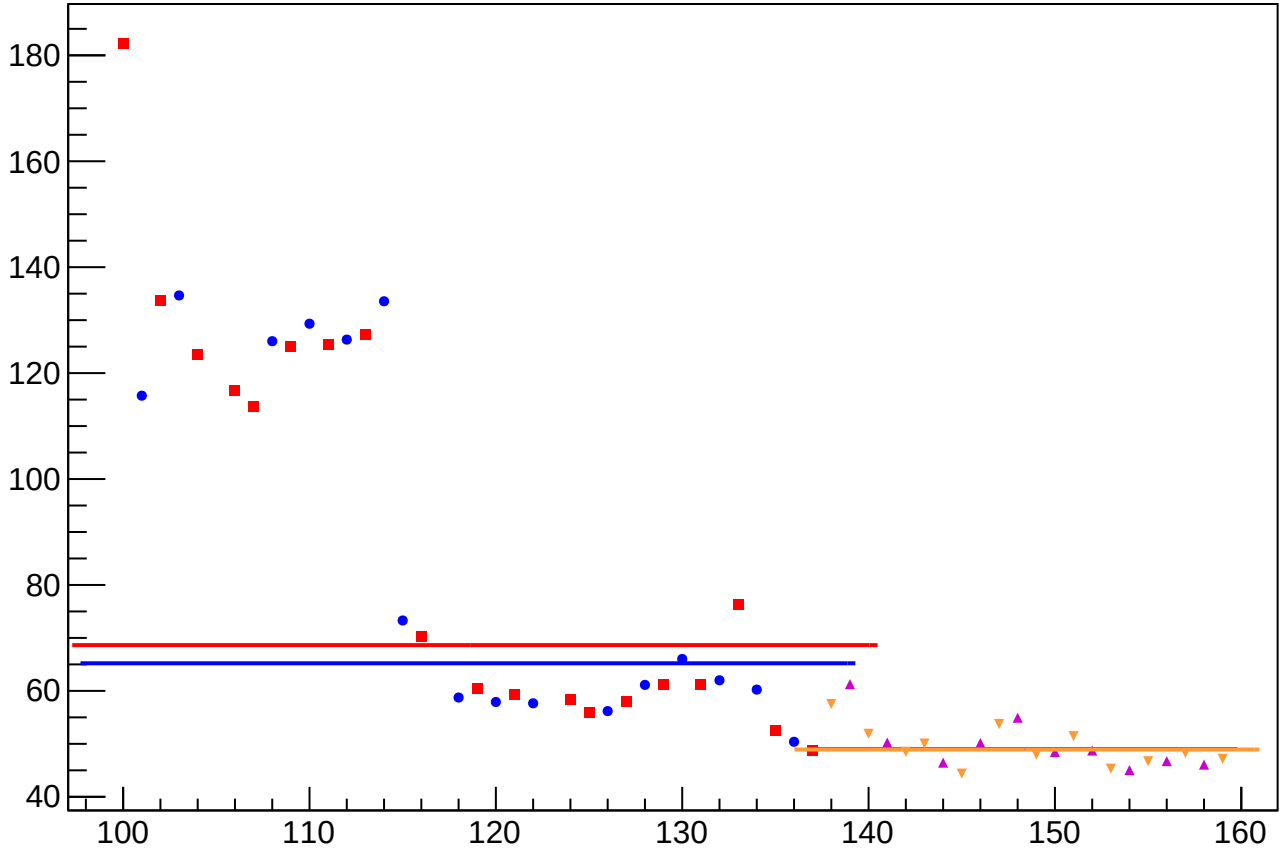
Left In: -48.947+/-16.740 χ^2/NDF:8.3/9

+ sign 29.058+/-13.568 χ^2/NDF: 38.9/27

All: -9.668+/-9.814 χ^2/NDF: 84.7/56

- sign -52.154+/-14.212 χ^2/NDF: 28.7/28

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

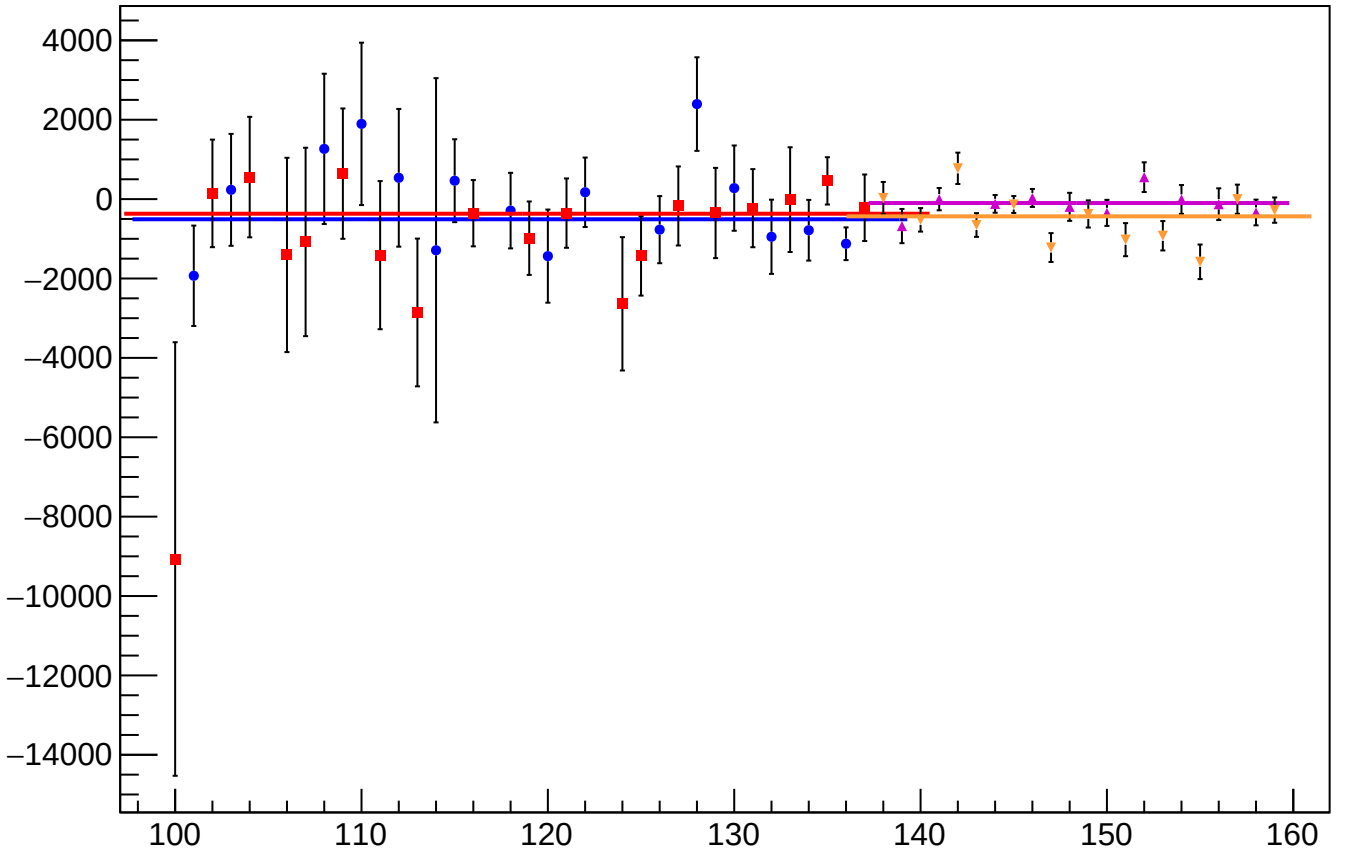
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

+ sign 53.441+/-0.010 χ^2/NDF: 2115107.3/27

All: 53.950+/-0.007 χ^2/NDF: 4643869.2/56

- sign 54.509+/-0.010 χ^2/NDF: 2522850.2/28



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

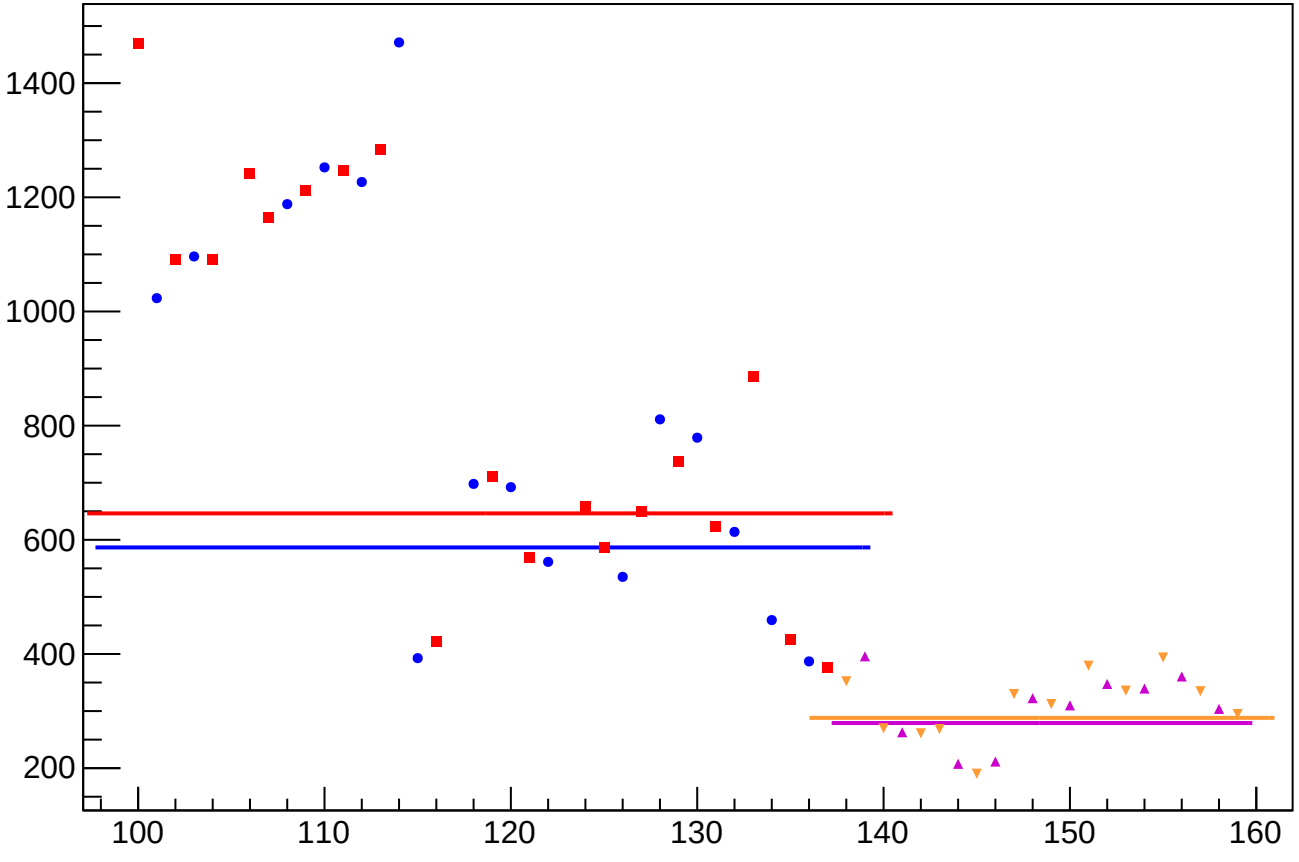
Left In: -98.761+/-97.346 χ^2/NDF:6.5/9

+ sign -444.529+/-88.839 χ^2/NDF: 46.0/27

All: -292.382+/-63.573 χ^2/NDF: 70.8/56

- sign -132.693+/-91.014 χ^2/NDF: 18.8/28

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

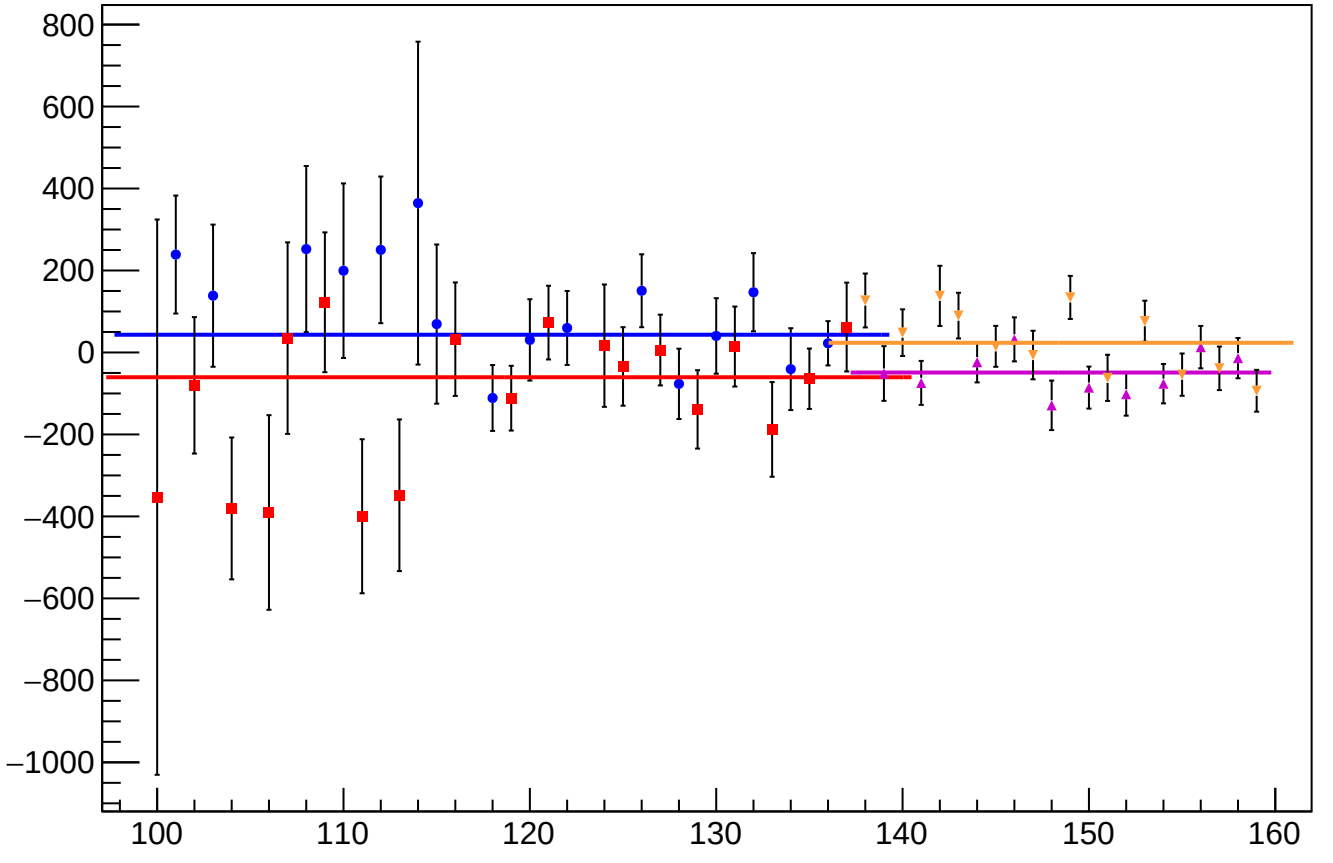
Left In: 279.076+/-0.069 χ^2/NDF:802358.2/9

+ sign 330.086+/-0.063 χ^2/NDF: 5596721.9/27

All: 327.752+/-0.045 χ^2/NDF: 12048062.9/56

- sign 325.303+/-0.064 χ^2/NDF: 6448511.8/28

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

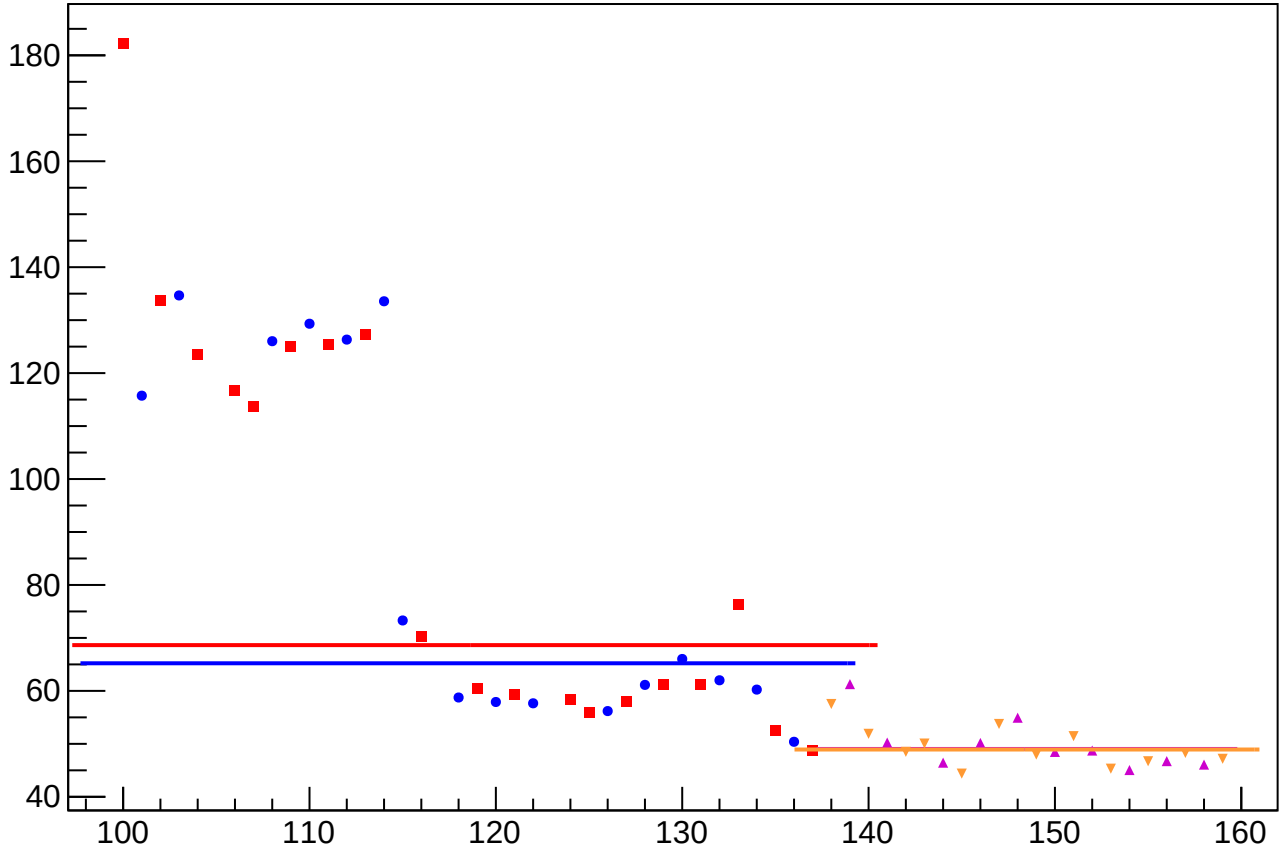
Left In: -48.947+/-16.740 χ^2/NDF:8.3/9

+ sign 29.058+/-13.568 χ^2/NDF: 38.9/27

All: -9.668+/-9.814 χ^2/NDF: 84.7/56

- sign -52.154+/-14.212 χ^2/NDF: 28.7/28

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

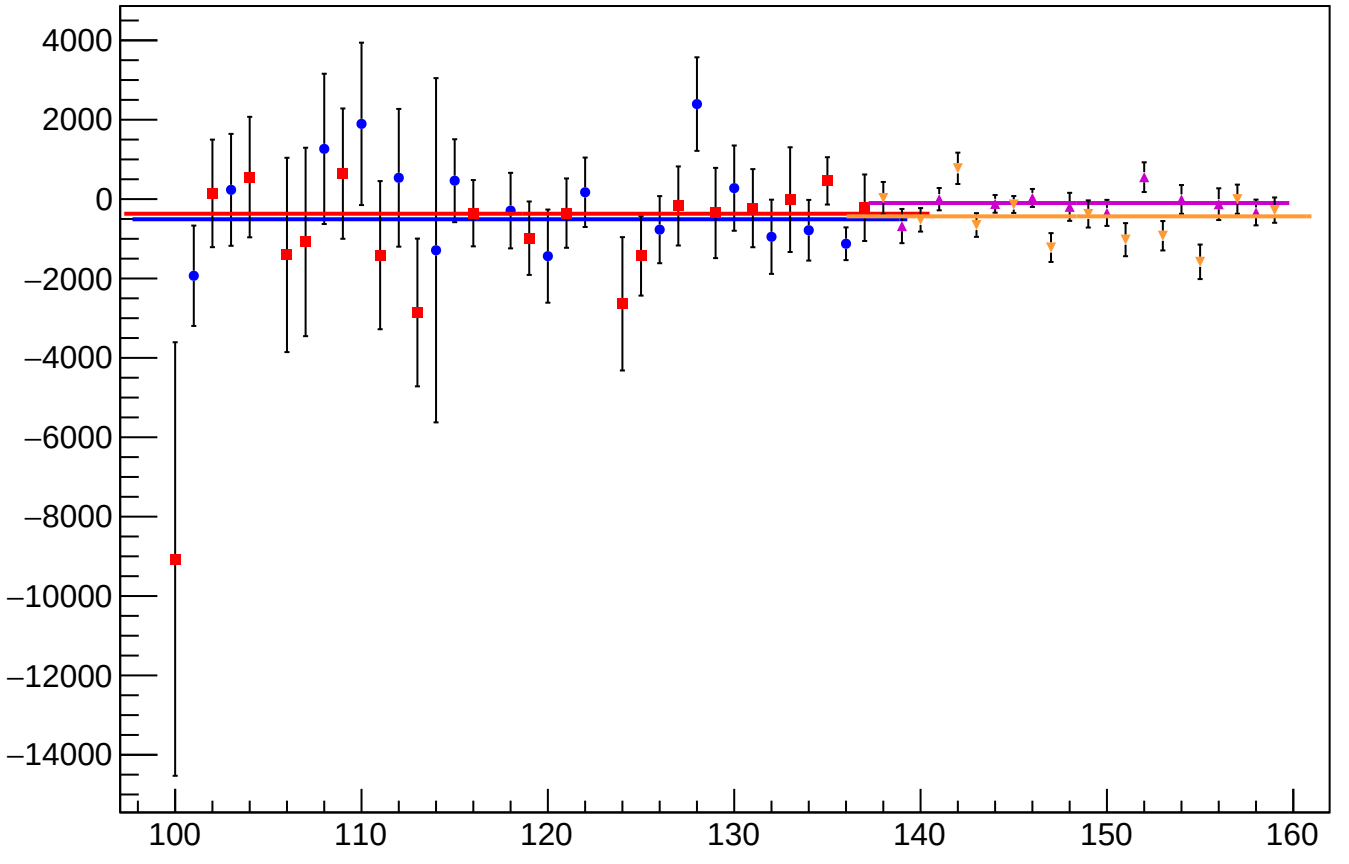
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.034+/-0.012 χ^2/NDF:119085.7/9

+ sign 53.441+/-0.010 χ^2/NDF: 2115107.3/27

All: 53.950+/-0.007 χ^2/NDF: 4643869.2/56

- sign 54.509+/-0.010 χ^2/NDF: 2522850.2/28



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -434.161+/-95.829 χ^2/NDF:30.3/11

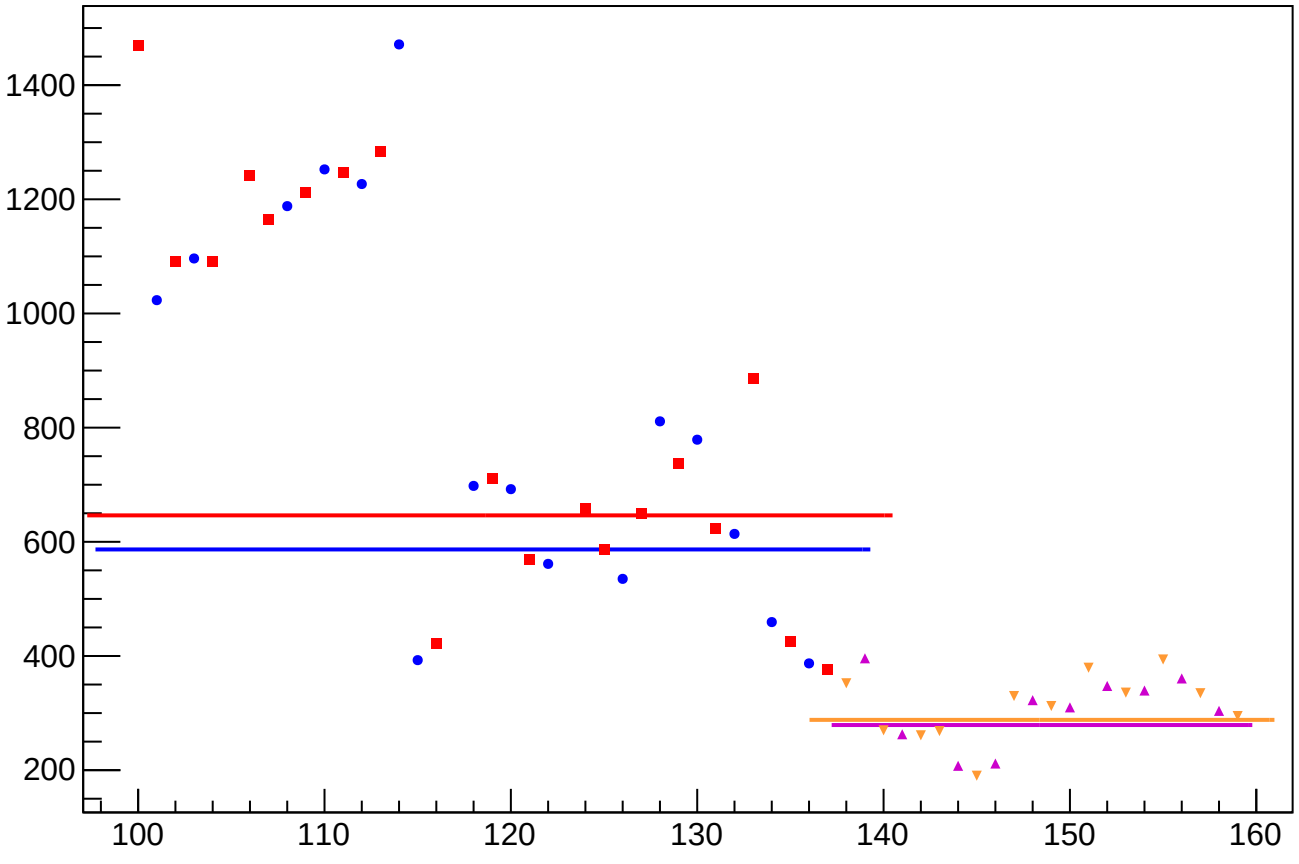
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -98.761+/-97.346 χ^2/NDF:6.5/9

+ sign -444.529+/-88.839 χ^2/NDF: 46.0/27

All: -292.382+/-63.573 χ^2/NDF: 70.8/56

- sign -132.693+/-91.014 χ^2/NDF: 18.8/28



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

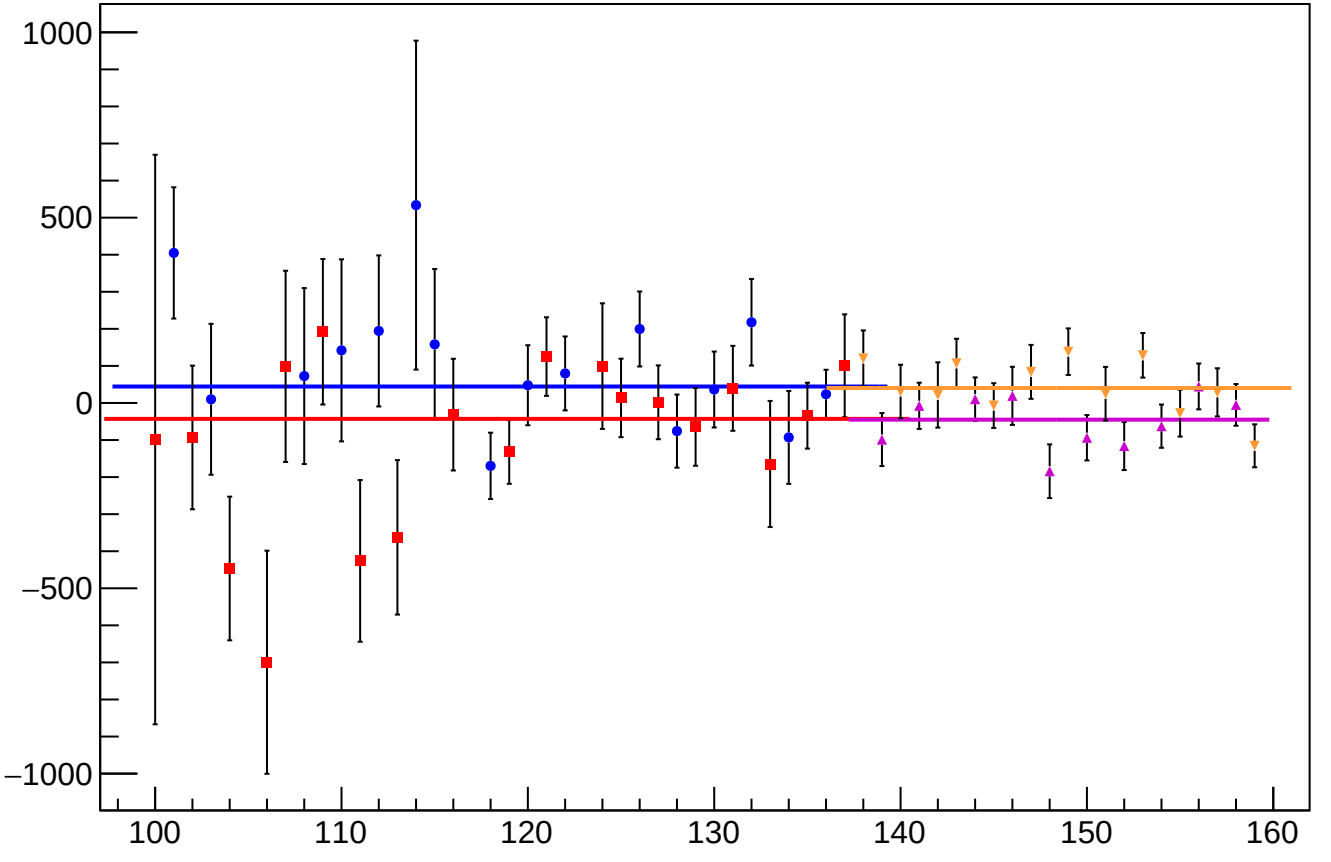
Left In: 279.076+/-0.069 χ^2/NDF:802358.2/9

+ sign 330.086+/-0.063 χ^2/NDF: 5596721.9/27

All: 327.752+/-0.045 χ^2/NDF: 12048062.9/56

- sign 325.303+/-0.064 χ^2/NDF: 6448511.8/28

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

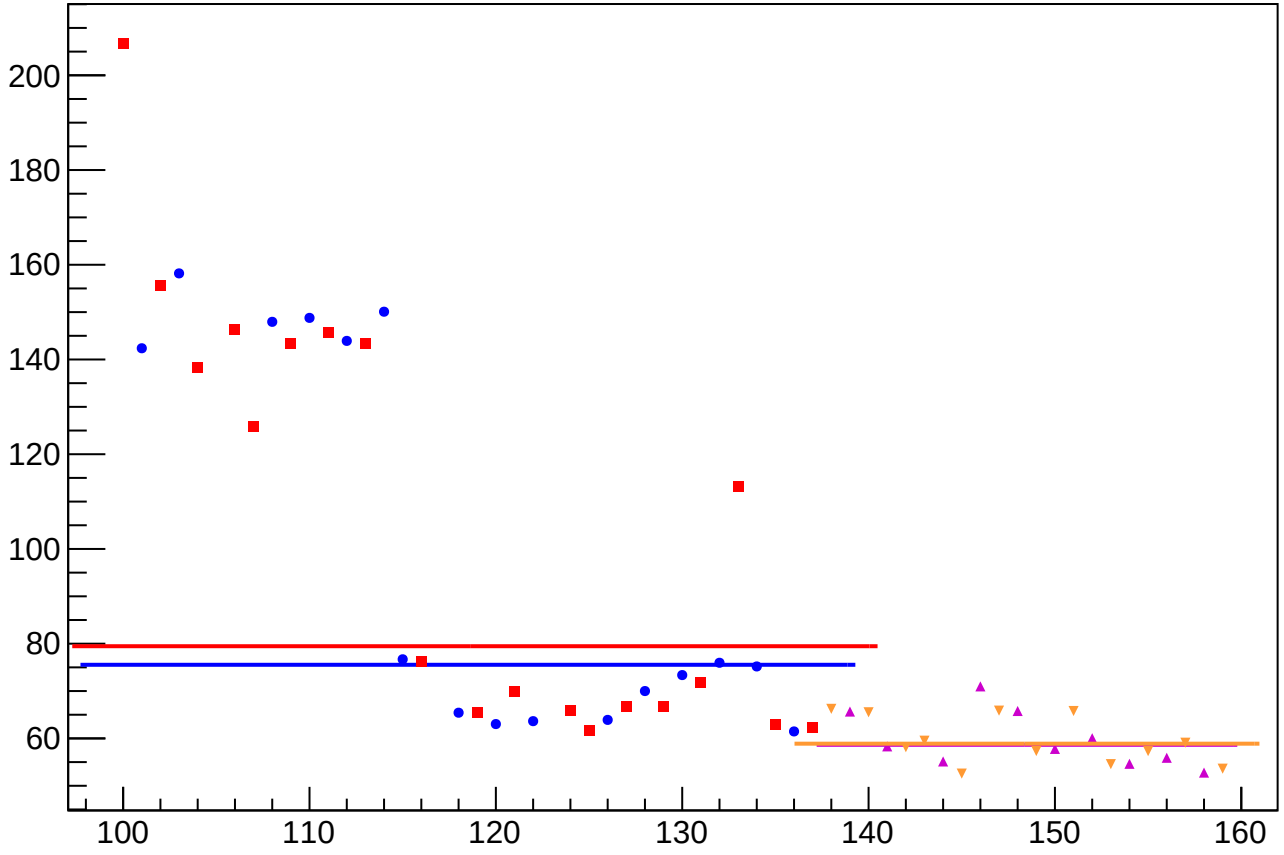
Left In: -45.032+/-20.105 χ^2/NDF:10.7/9

+ sign 41.579+/-16.201 χ^2/NDF: 35.8/27

All: 0.420+/-11.698 χ^2/NDF: 83.3/56

- sign -44.408+/-16.908 χ^2/NDF: 34.0/28

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

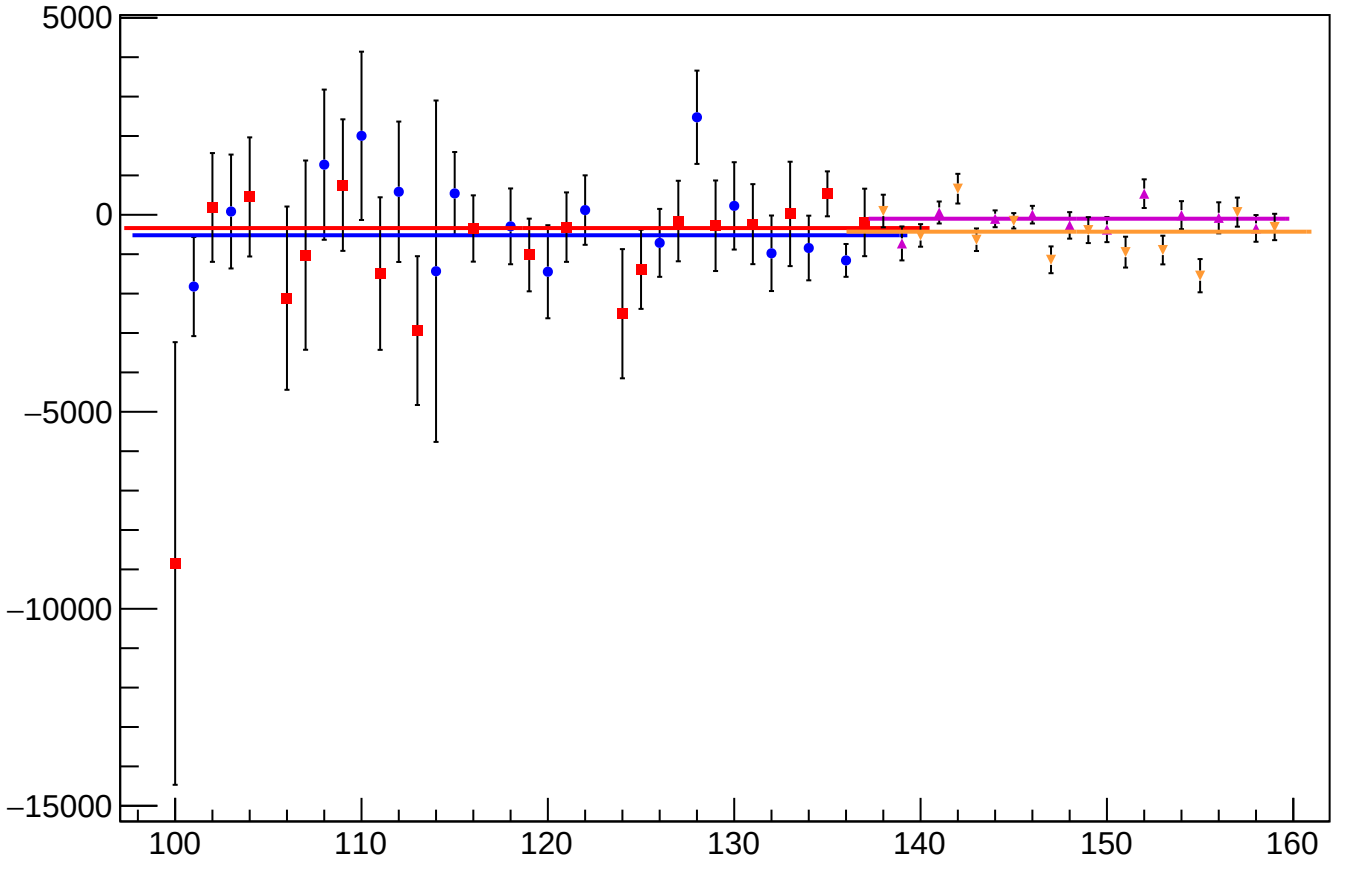
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.646+/-0.014 χ^2/NDF:131890.6/9

+ sign 63.775+/-0.011 χ^2/NDF: 2027801.0/27

All: 64.238+/-0.008 χ^2/NDF: 4474618.7/56

- sign 64.741+/-0.012 χ^2/NDF: 2443416.6/28



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

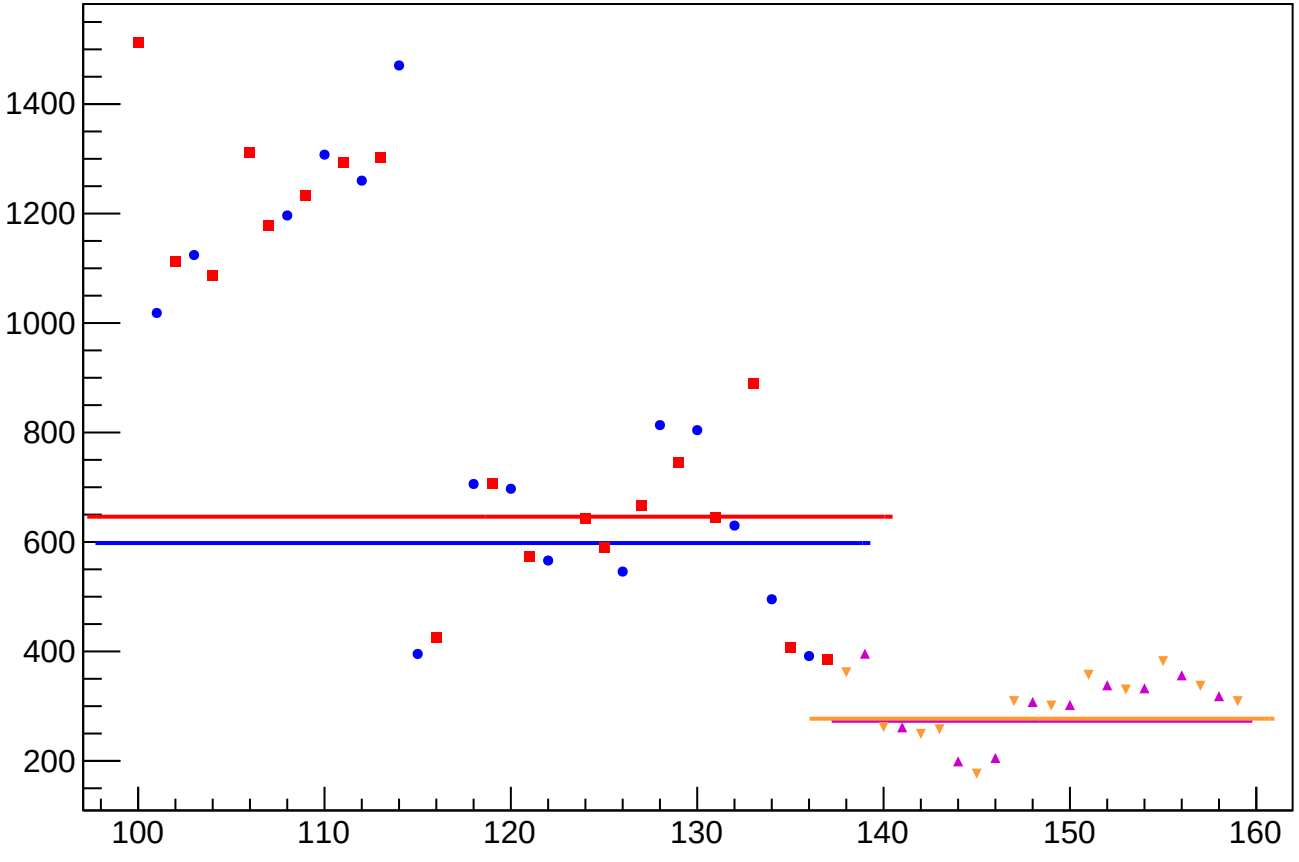
Left In: -99.656+/-95.623 χ^2/NDF:7.3/9

+ sign -440.328+/-86.308 χ^2/NDF: 45.3/27

All: -290.284+/-62.162 χ^2/NDF: 71.5/56

- sign -128.561+/-89.604 χ^2/NDF: 20.0/28

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

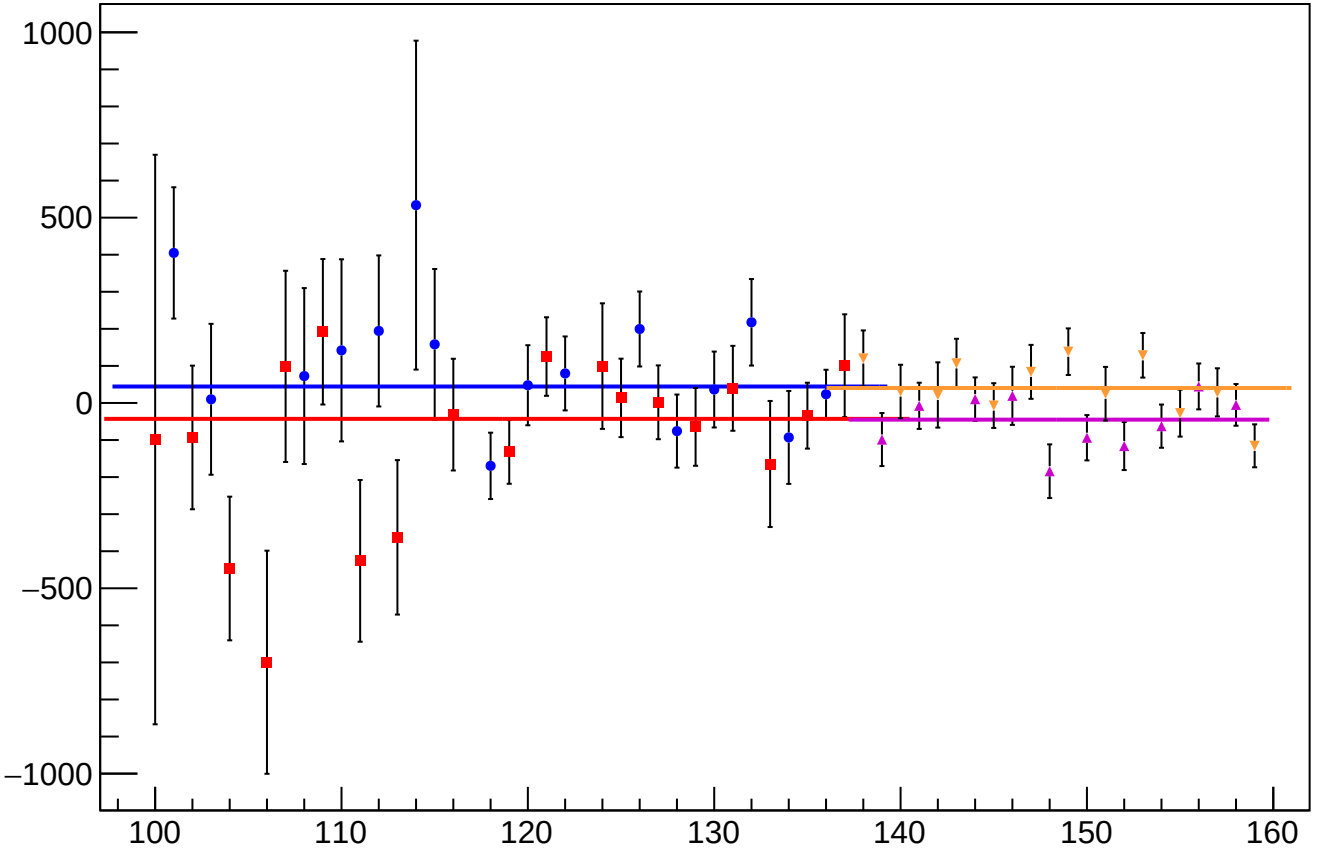
Left In: 273.297+/-0.068 χ^2/NDF:871248.6/9

+ sign 318.200+/-0.061 χ^2/NDF: 6116298.5/27

All: 318.470+/-0.044 χ^2/NDF: 12901185.8/56

- sign 318.761+/-0.063 χ^2/NDF: 6784846.6/28

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

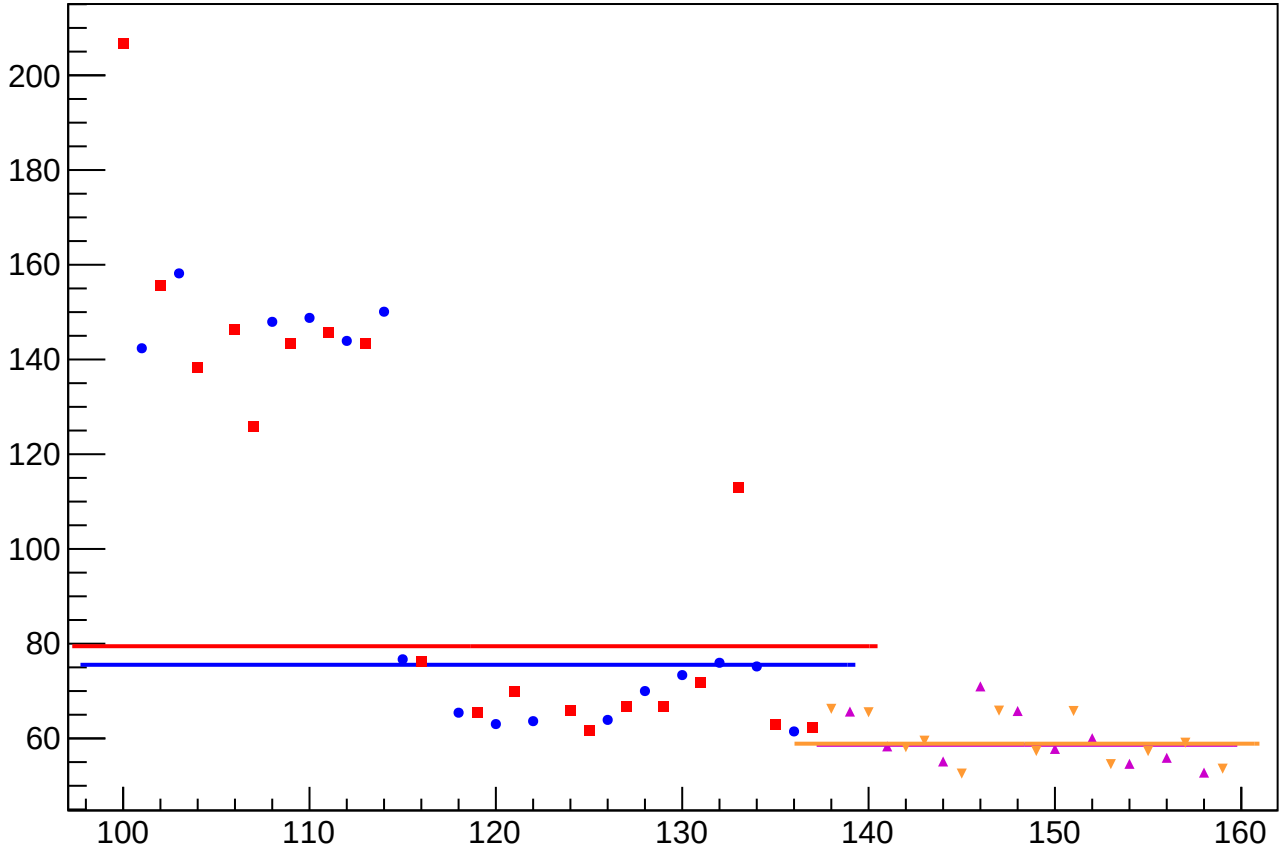
Left In: -45.031+/-20.105 χ^2/NDF:10.7/9

+ sign 41.580+/-16.201 χ^2/NDF: 35.8/27

All: 0.421+/-11.698 χ^2/NDF: 83.3/56

- sign -44.407+/-16.908 χ^2/NDF: 34.0/28

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

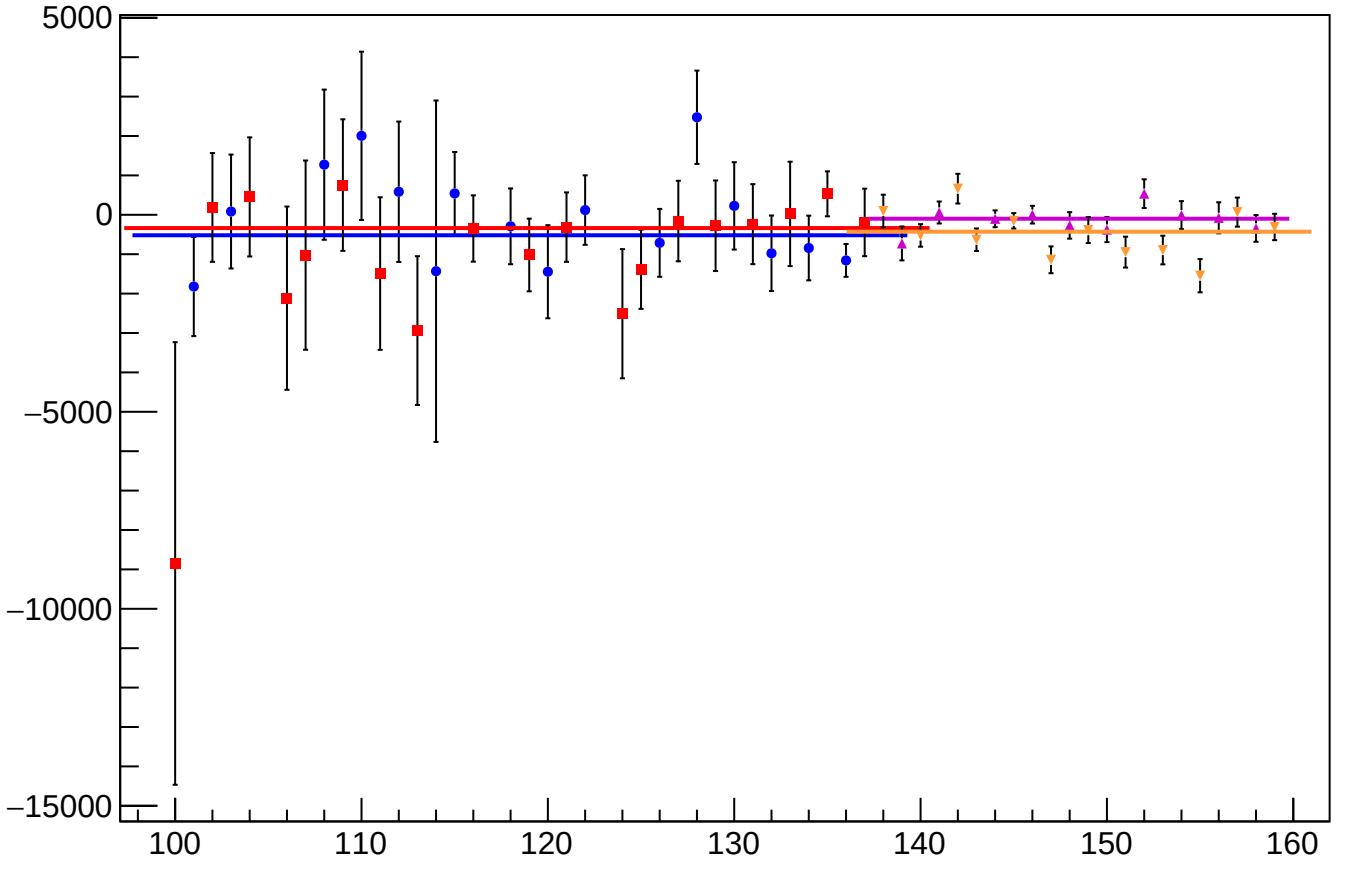
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.646+/-0.014 χ^2/NDF:131895.3/9

+ sign 63.776+/-0.011 χ^2/NDF: 2027765.4/27

All: 64.238+/-0.008 χ^2/NDF: 4474559.6/56

- sign 64.741+/-0.012 χ^2/NDF: 2443393.3/28



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -428.751+/-92.421 χ^2/NDF:29.3/11

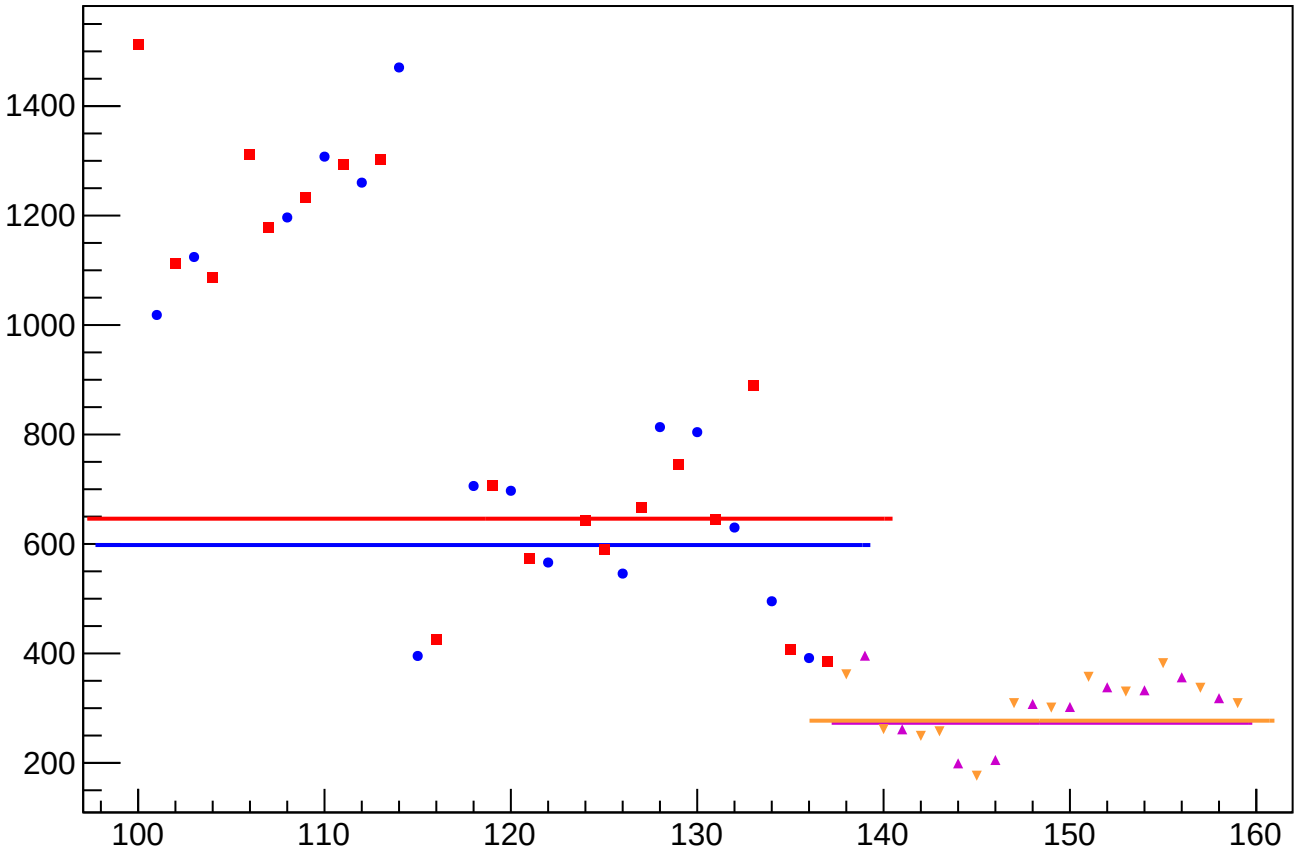
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -99.656+/-95.623 χ^2/NDF:7.3/9

\+ sign -440.327+/-86.308 χ^2/NDF: 45.3/27

All: -290.284+/-62.162 χ^2/NDF: 71.5/56

\- sign -128.561+/-89.604 χ^2/NDF: 20.0/28



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

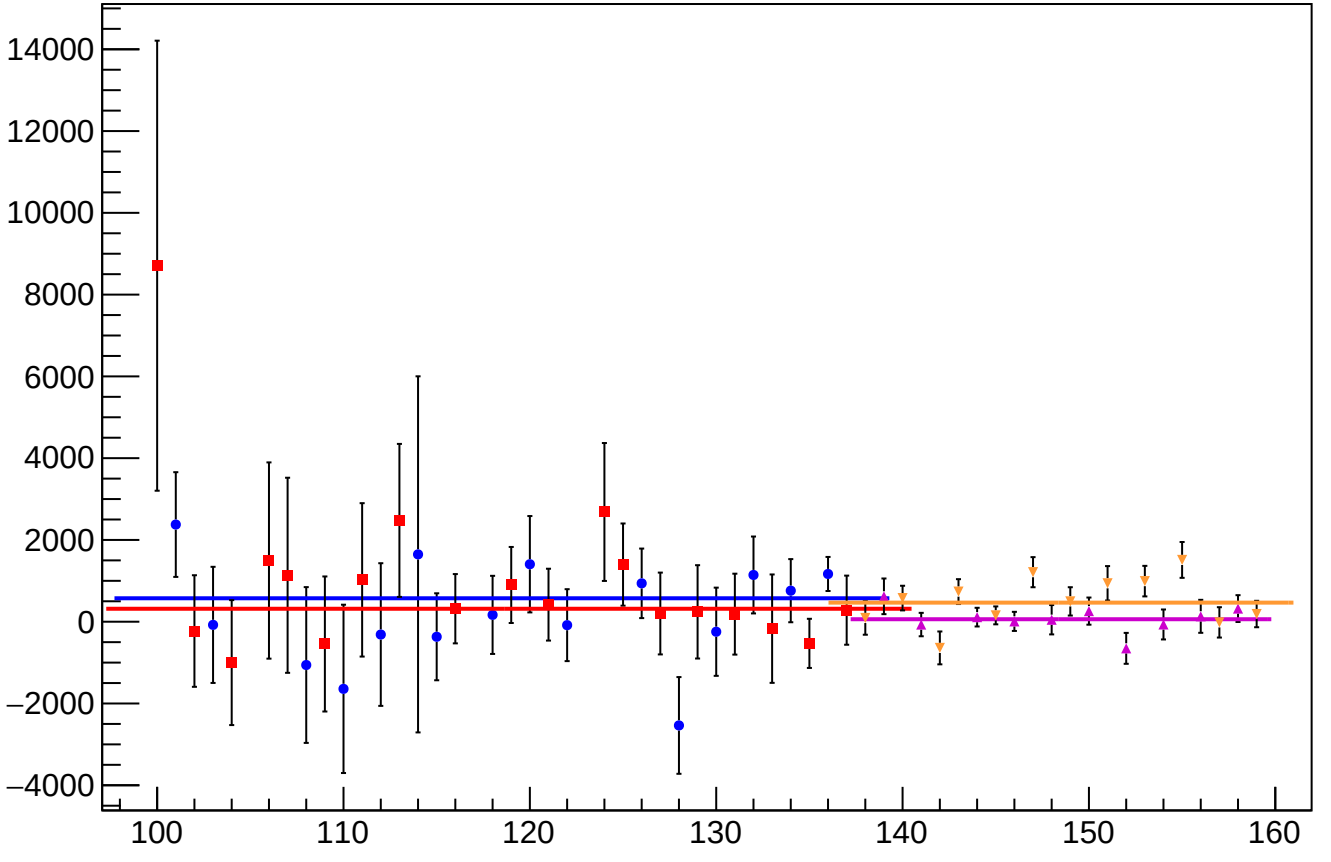
Left In: 273.297+/-0.068 χ^2/NDF:871246.6/9

+ sign 318.199+/-0.061 χ^2/NDF: 6116297.3/27

All: 318.469+/-0.044 χ^2/NDF: 12901172.5/56

- sign 318.761+/-0.063 χ^2/NDF: 6784834.5/28

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

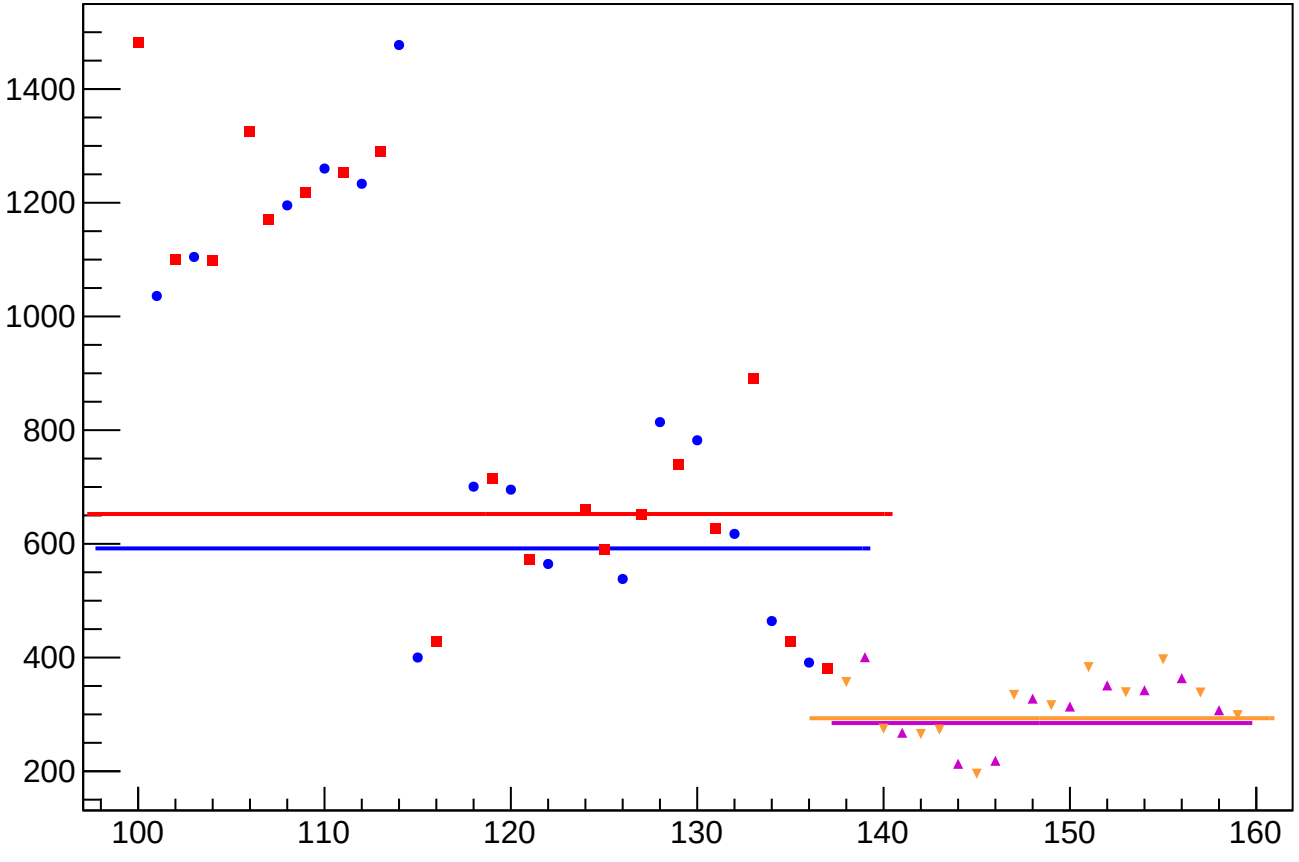
Left In: 60.834+/-99.167 χ^2/NDF:6.7/9

+ sign 482.046+/-90.196 χ^2/NDF: 43.6/27

All: 292.944+/-64.603 χ^2/NDF: 71.1/56

- sign 93.733+/-92.576 χ^2/NDF: 18.5/28

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

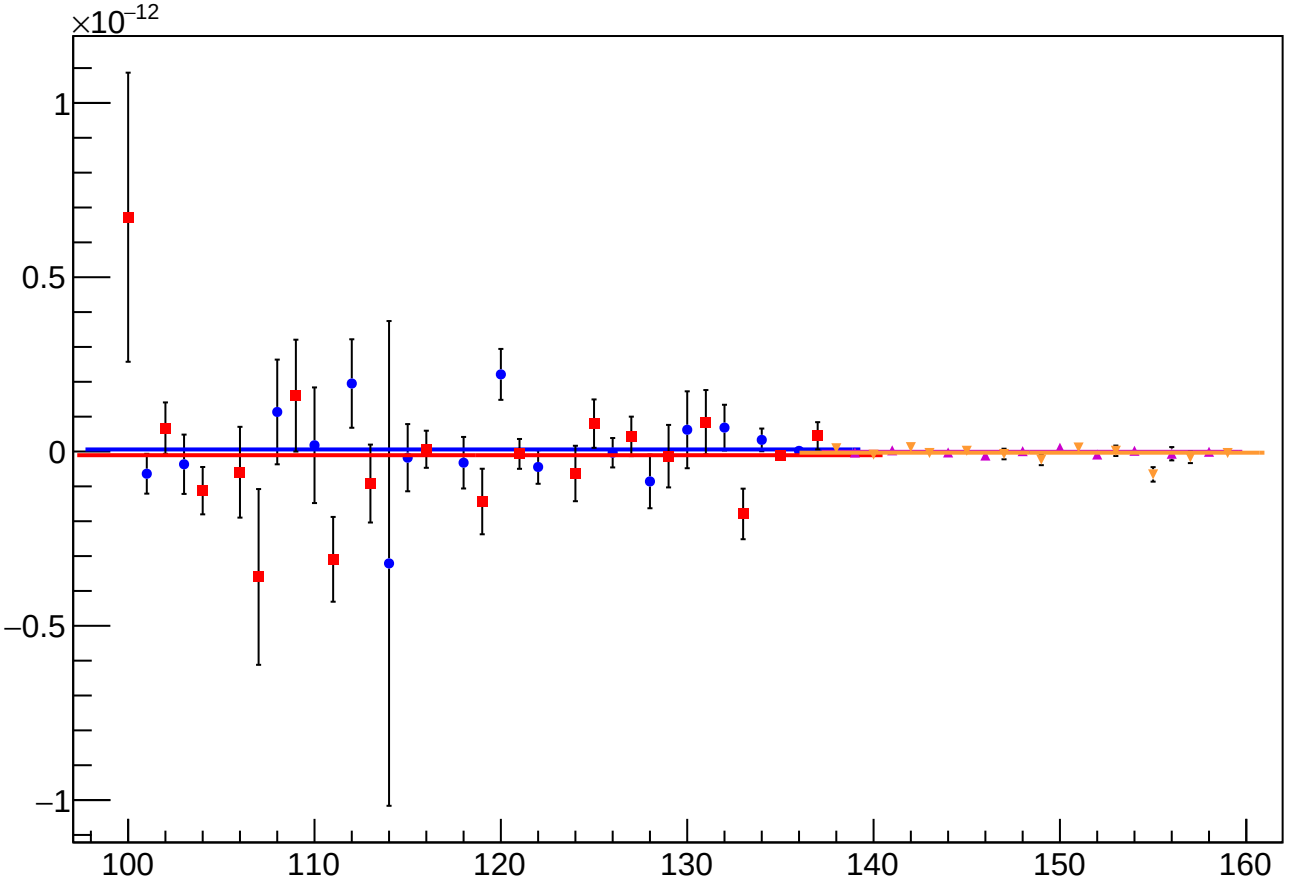
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 284.802+/-0.070 χ^2/NDF:747346.7/9

+ sign 335.827+/-0.064 χ^2/NDF: 5484249.4/27

All: 333.988+/-0.046 χ^2/NDF: 11856195.1/56

- sign 332.052+/-0.065 χ^2/NDF: 6370239.6/28



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

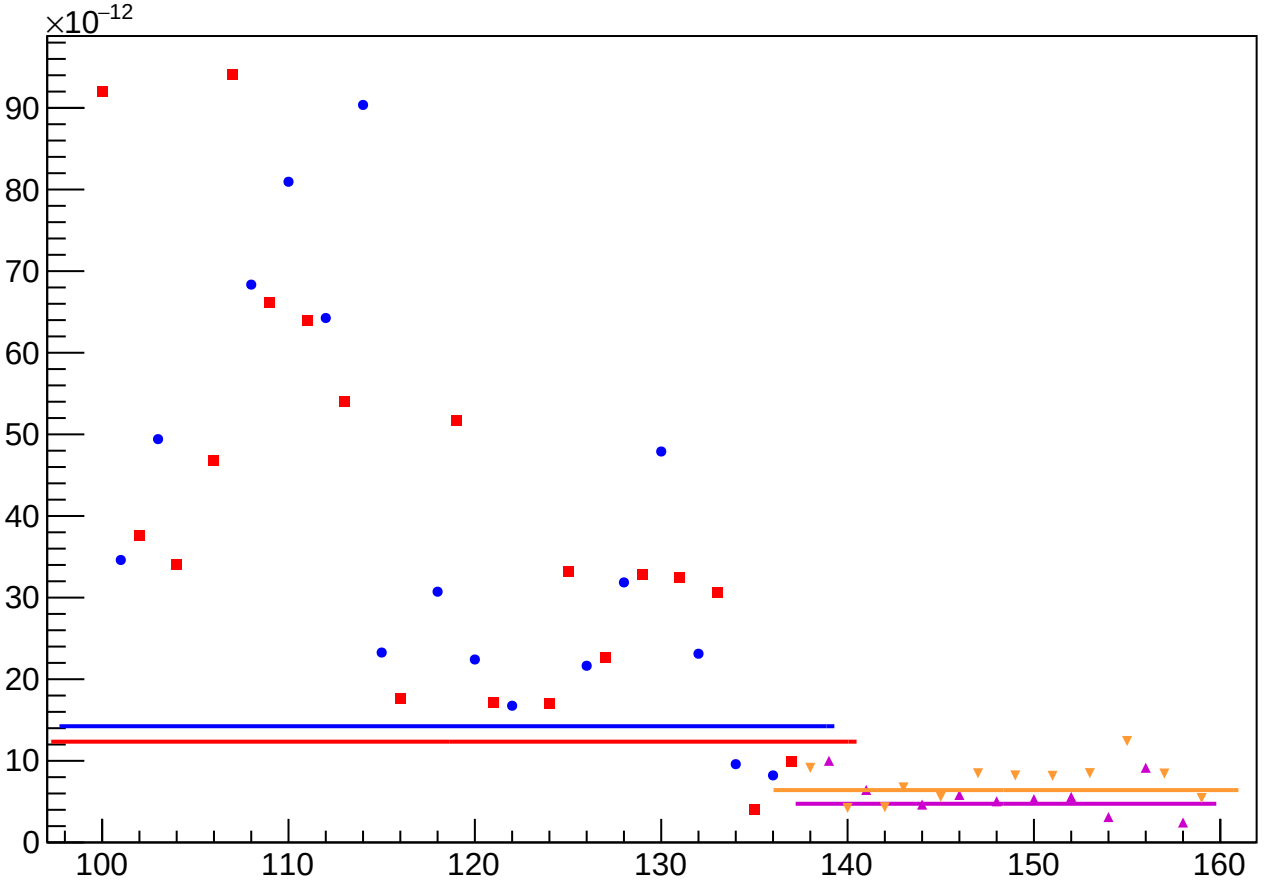
Left In: -0.000+/-0.000 χ^2/NDF:3.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/27

All: -0.000+/-0.000 χ^2/NDF: 69.4/56

- sign -0.000+/-0.000 χ^2/NDF: 33.8/28

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

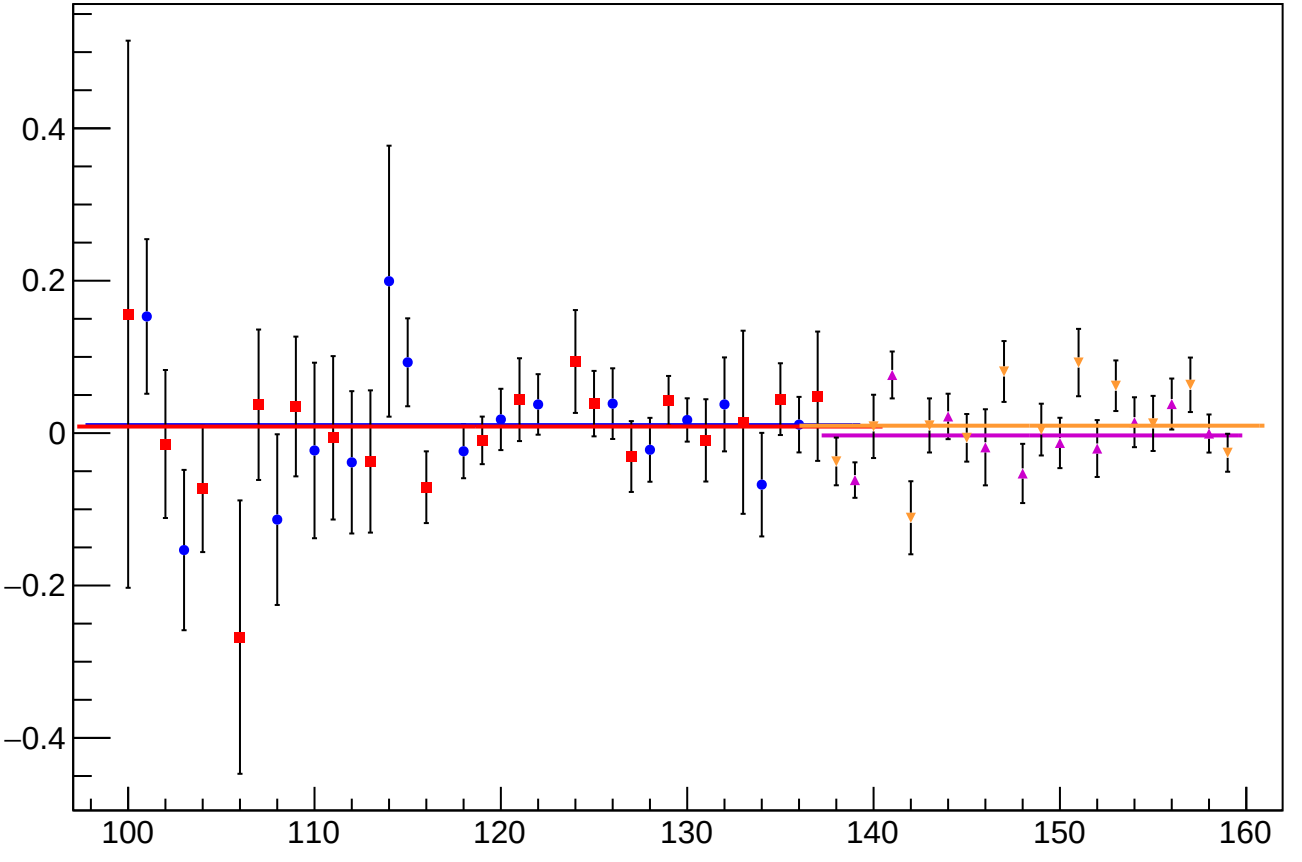
Left In: 0.000+/-0.000 χ^2/NDF:762946.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 4167142.3/27

All: 0.000+/-0.000 χ^2/NDF: 9728355.5/56

- sign 0.000+/-0.000 χ^2/NDF: 5199130.1/28

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



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

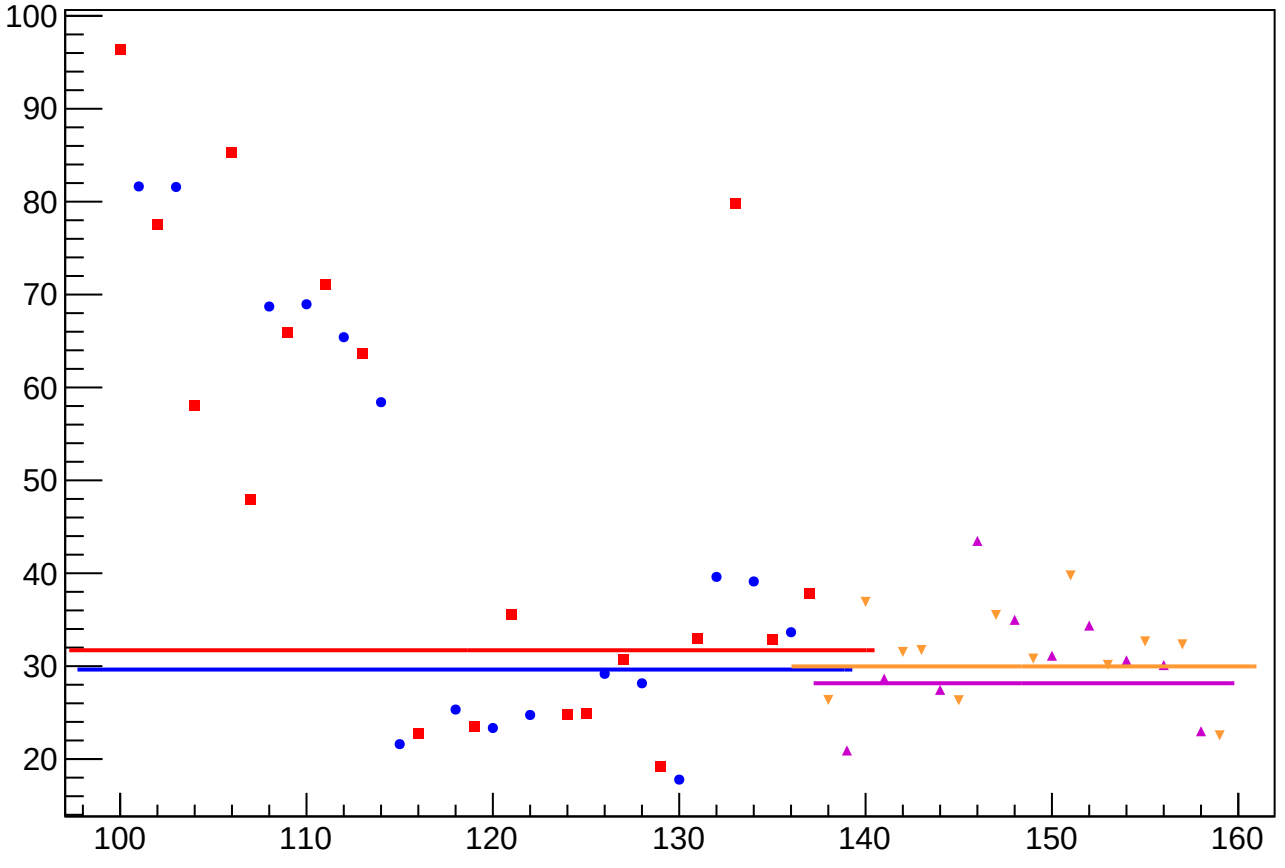
Left In: -0.003+/-0.010 χ^2/NDF:17.5/9

+ sign 0.010+/-0.008 χ^2/NDF: 35.5/27

All: 0.006+/-0.006 χ^2/NDF: 66.6/56

- sign 0.001+/-0.008 χ^2/NDF: 30.5/28

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

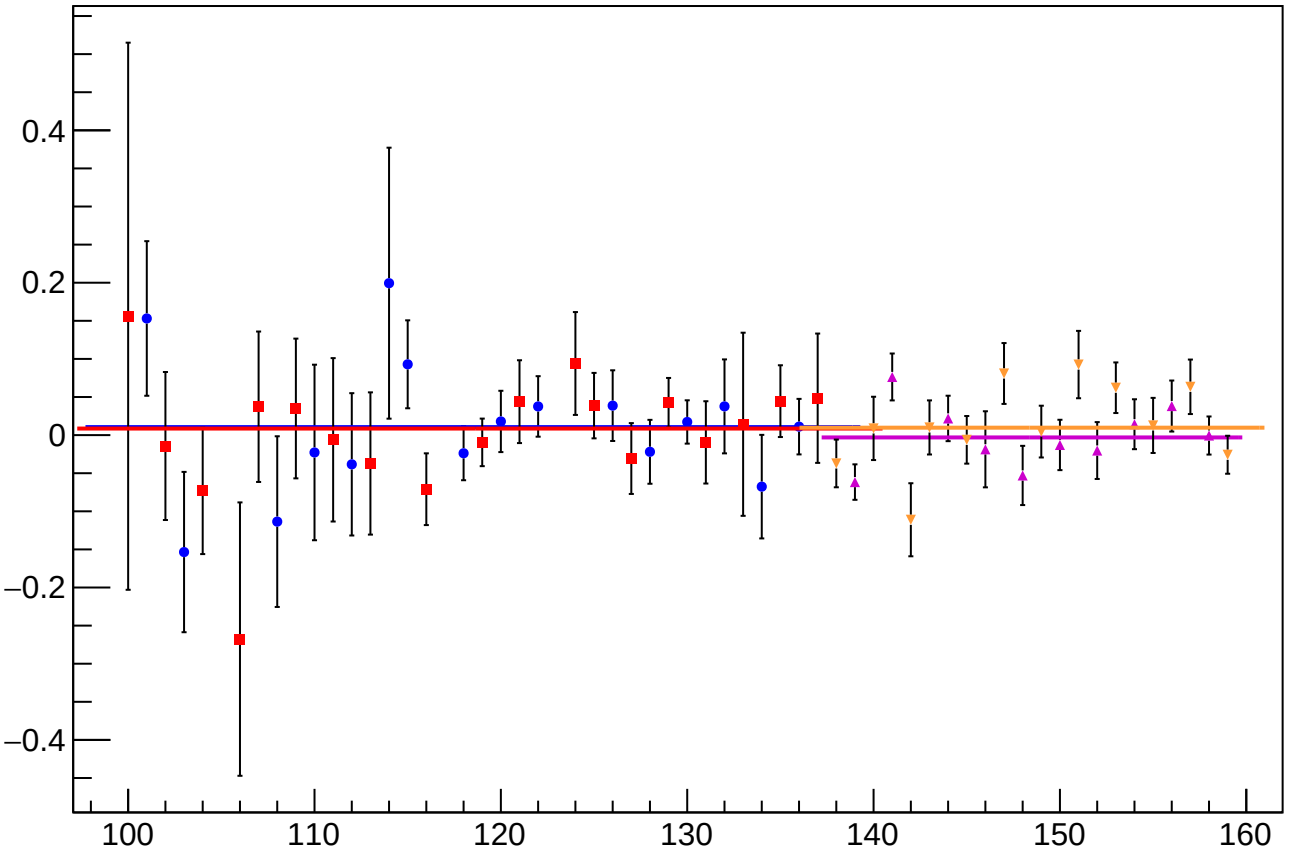
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.160+/-0.007 χ^2/NDF:620025.5/9

+ sign 29.841+/-0.006 χ^2/NDF: 2901164.4/27

All: 29.642+/-0.004 χ^2/NDF: 6267408.2/56

- sign 29.438+/-0.006 χ^2/NDF: 3363634.3/28



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.010+/-0.010 χ^2/NDF:22.4/11

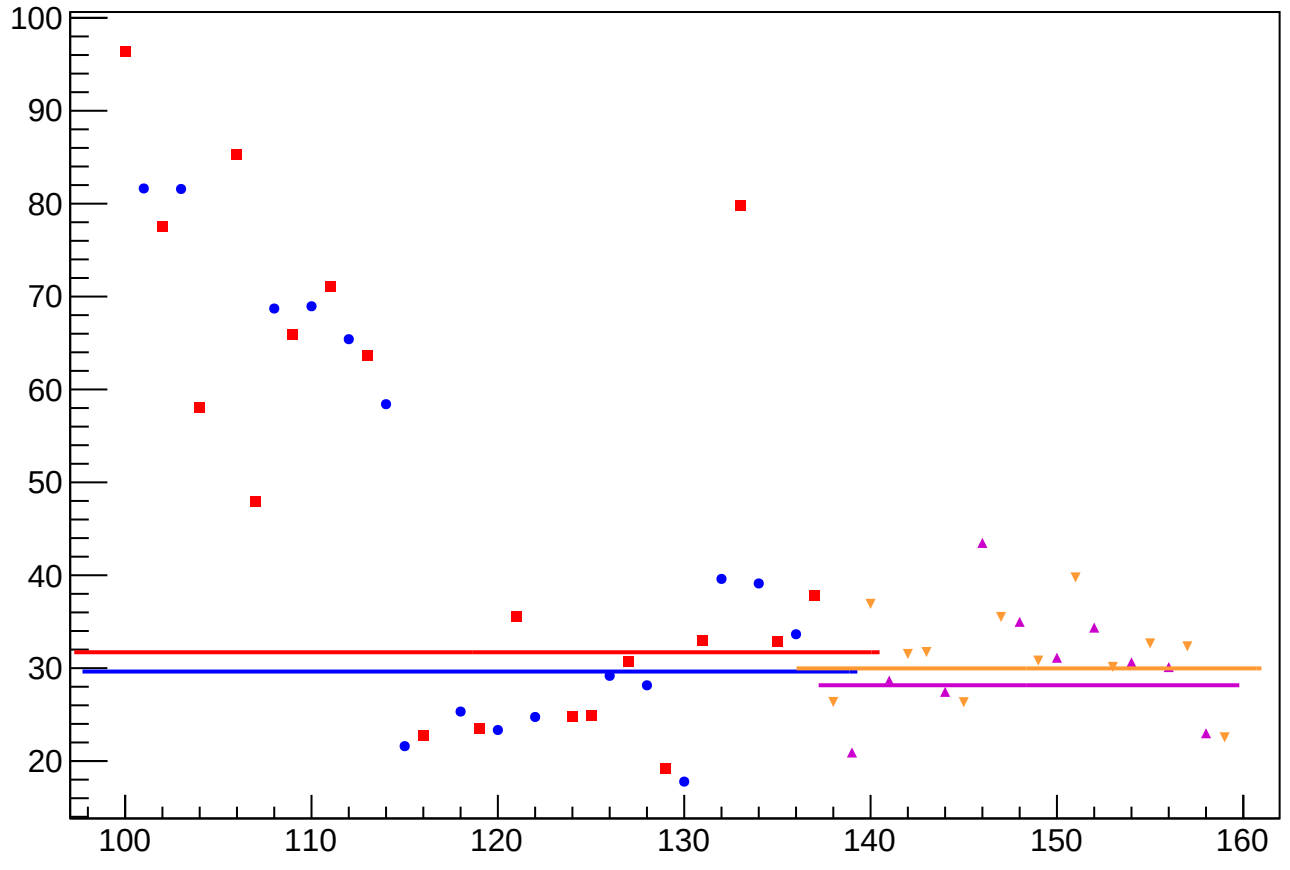
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.010 χ^2/NDF:17.5/9

\+ sign 0.010+/-0.008 χ^2/NDF: 35.5/27

All: 0.006+/-0.006 χ^2/NDF: 66.6/56

\- sign 0.001+/-0.008 χ^2/NDF: 30.5/28



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.974+/-0.007 χ^2/NDF:451807.2/11

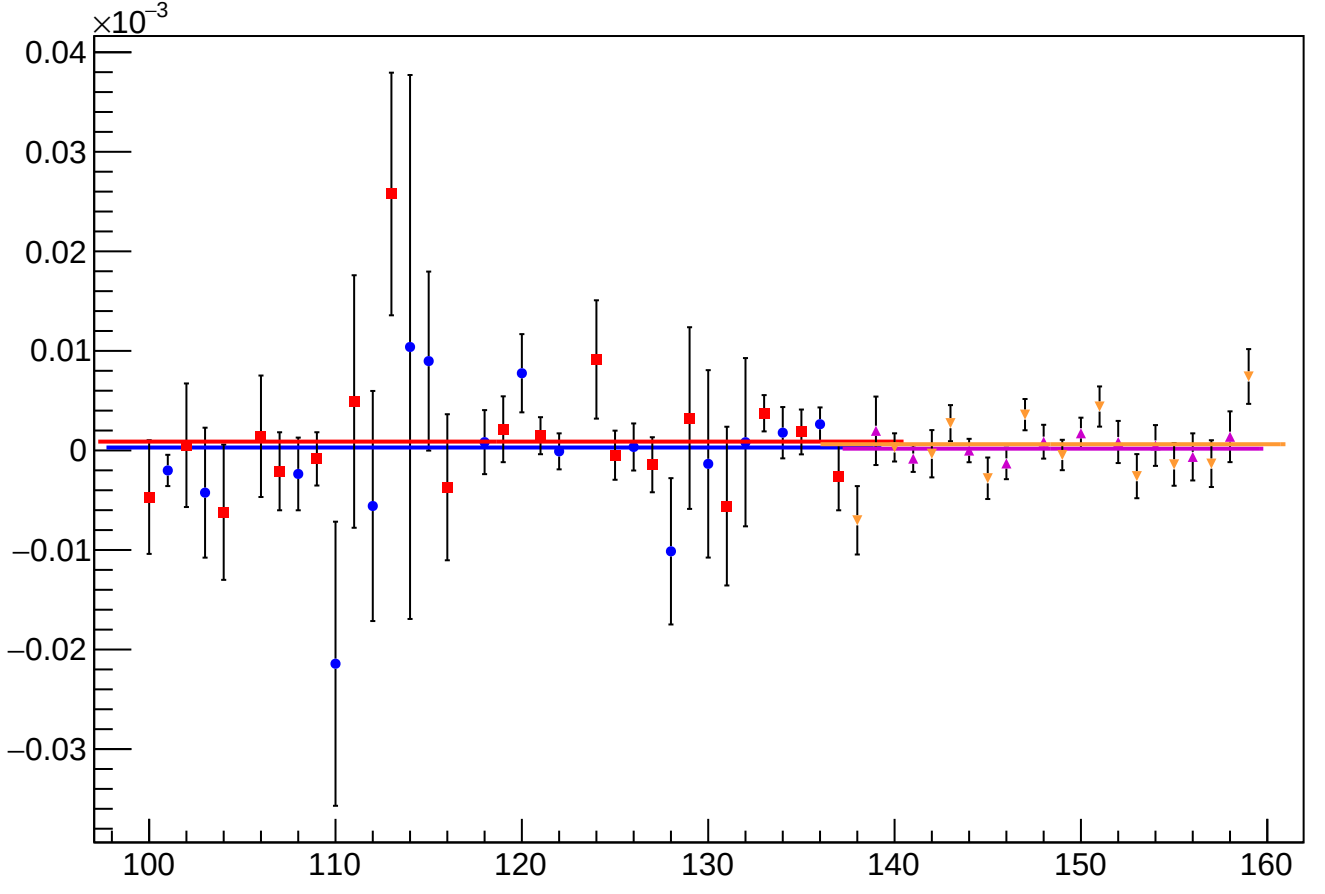
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.160+/-0.007 χ^2/NDF:620025.5/9

\+ sign 29.841+/-0.006 χ^2/NDF: 2901164.4/27

All: 29.642+/-0.004 χ^2/NDF: 6267408.2/56

\- sign 29.438+/-0.006 χ^2/NDF: 3363634.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.6/11

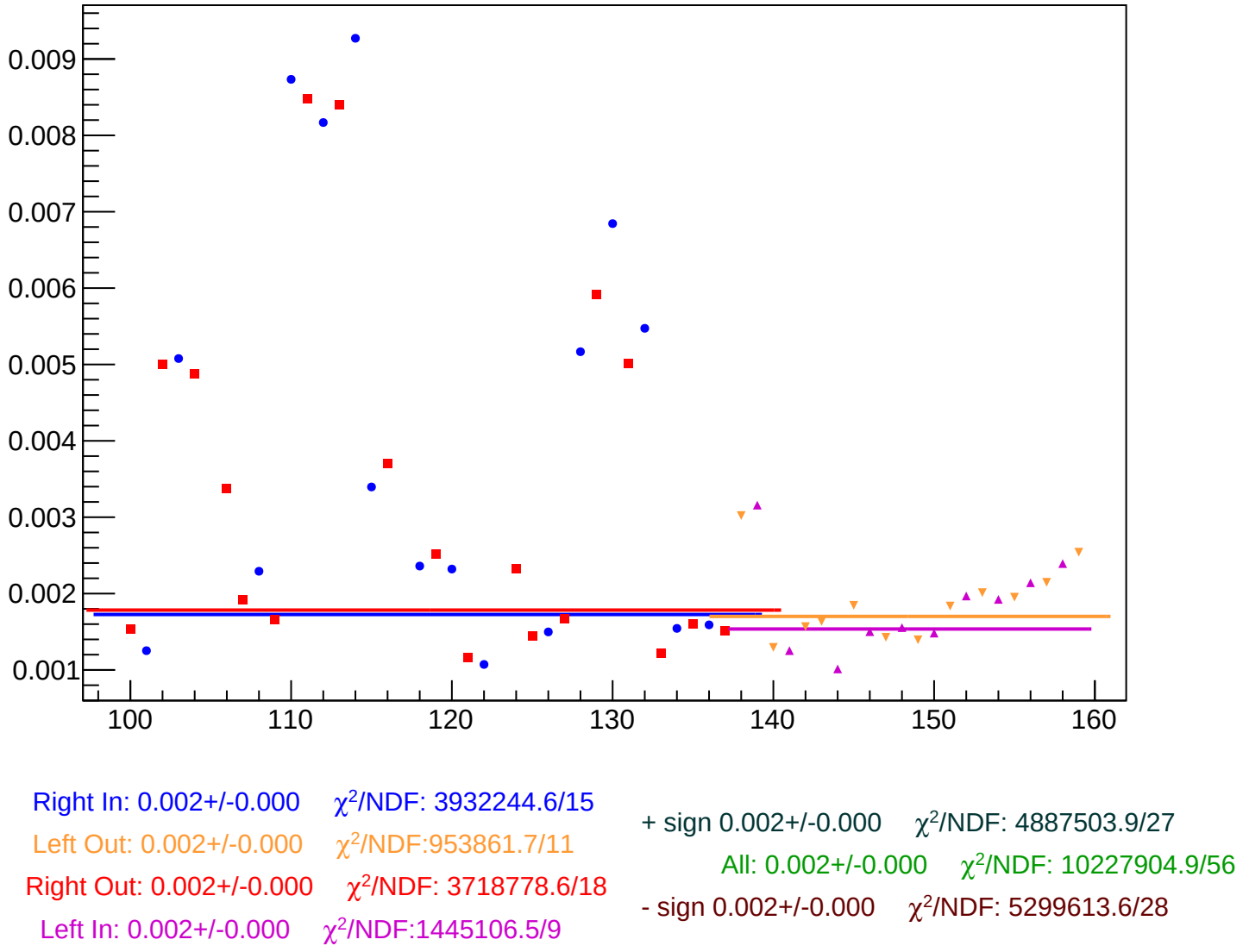
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/27

All: 0.000+/-0.000 χ^2/NDF: 60.8/56

- sign 0.000+/-0.000 χ^2/NDF: 19.3/28


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
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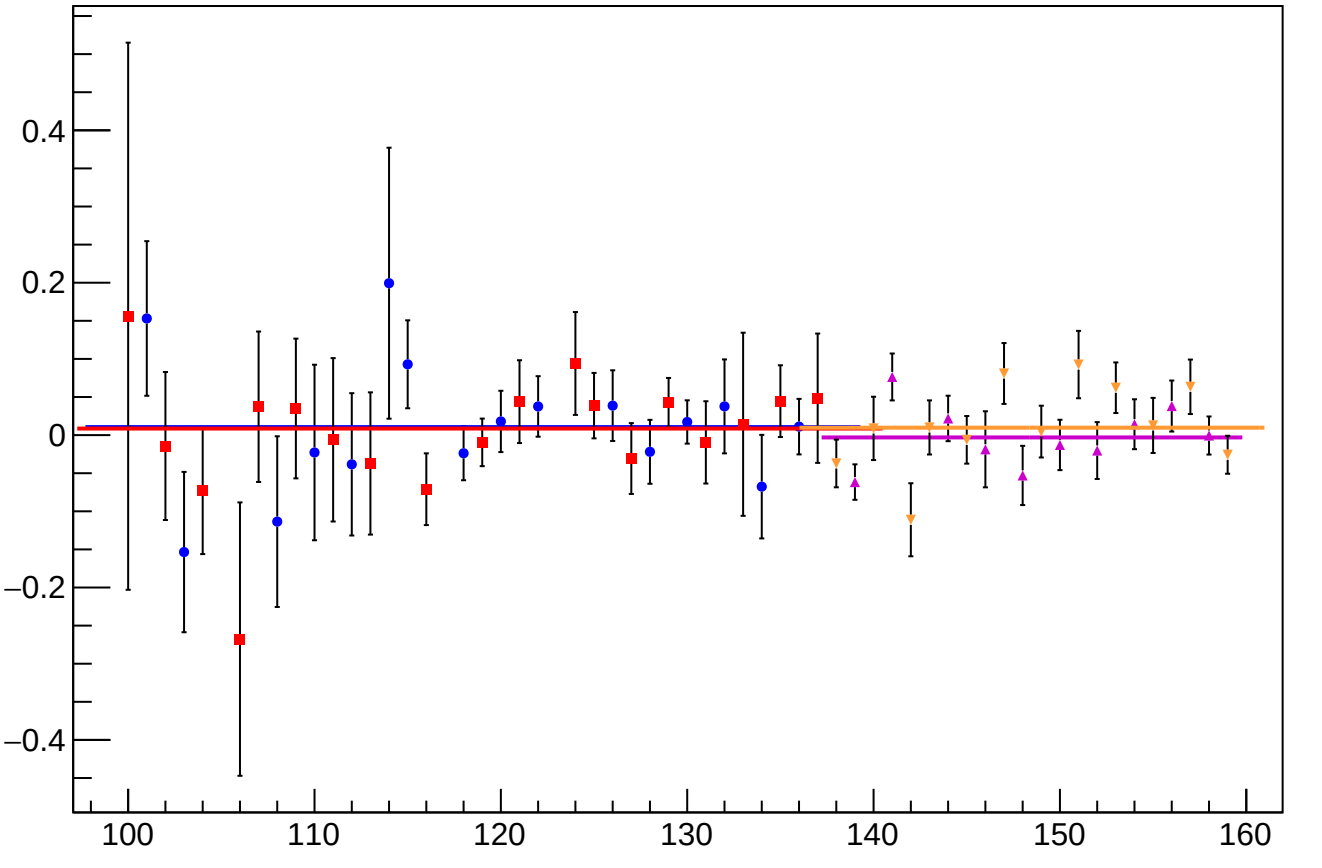
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 3932244.6/15
Left Out: 0.002+/-0.000 χ²/NDF:953861.7/11
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.002+/-0.000 χ²/NDF:1445106.5/9
+ sign 0.002+/-0.000 χ²/NDF: 4887503.9/27
All: 0.002+/-0.000 χ²/NDF: 10227904.9/56
- sign 0.002+/-0.000 χ²/NDF: 5299613.6/28



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.010+/-0.010 χ^2/NDF:22.4/11

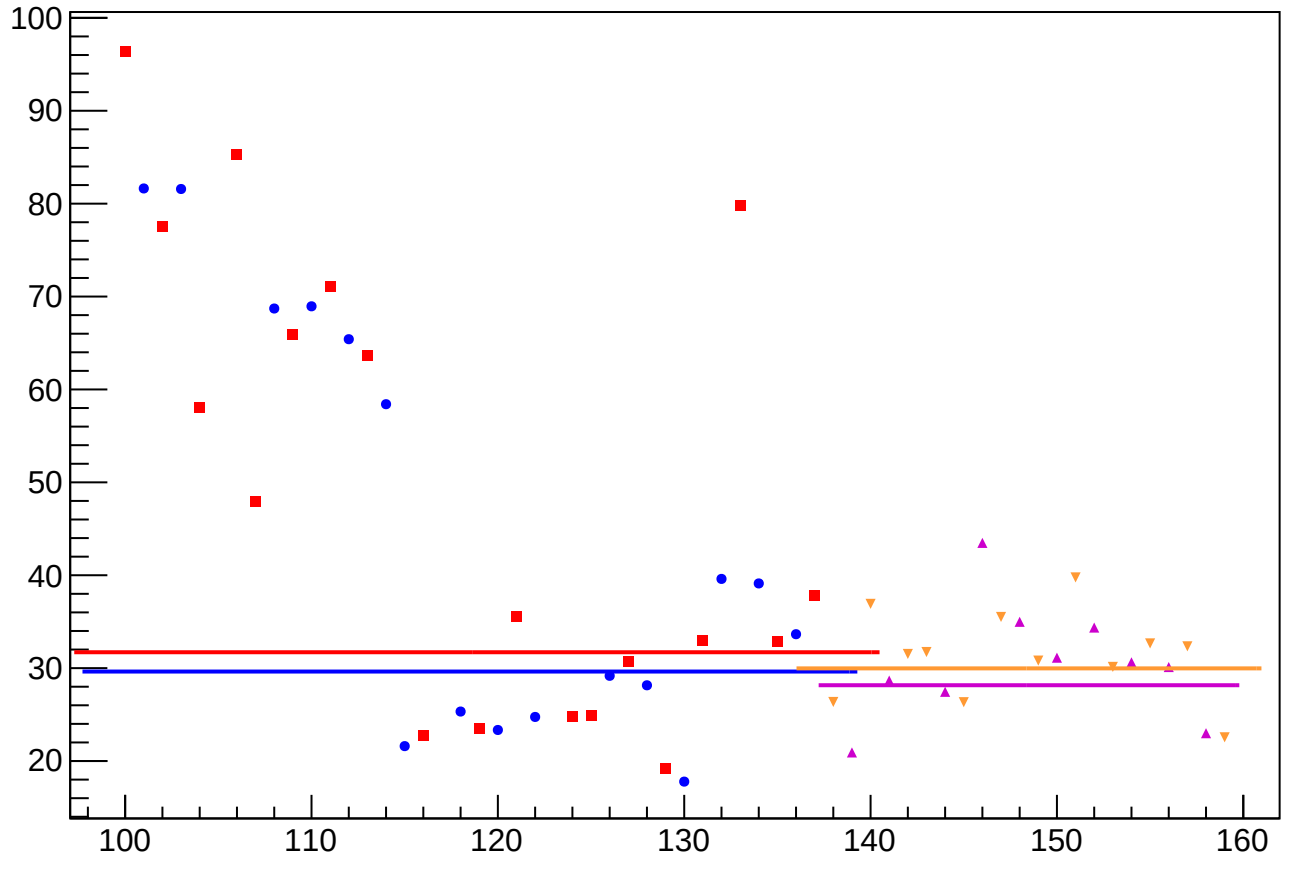
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.010 χ^2/NDF:17.5/9

+ sign 0.010+/-0.008 χ^2/NDF: 35.5/27

All: 0.006+/-0.006 χ^2/NDF: 66.6/56

- sign 0.001+/-0.008 χ^2/NDF: 30.5/28



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.974+/-0.007 χ^2/NDF:451832.2/11

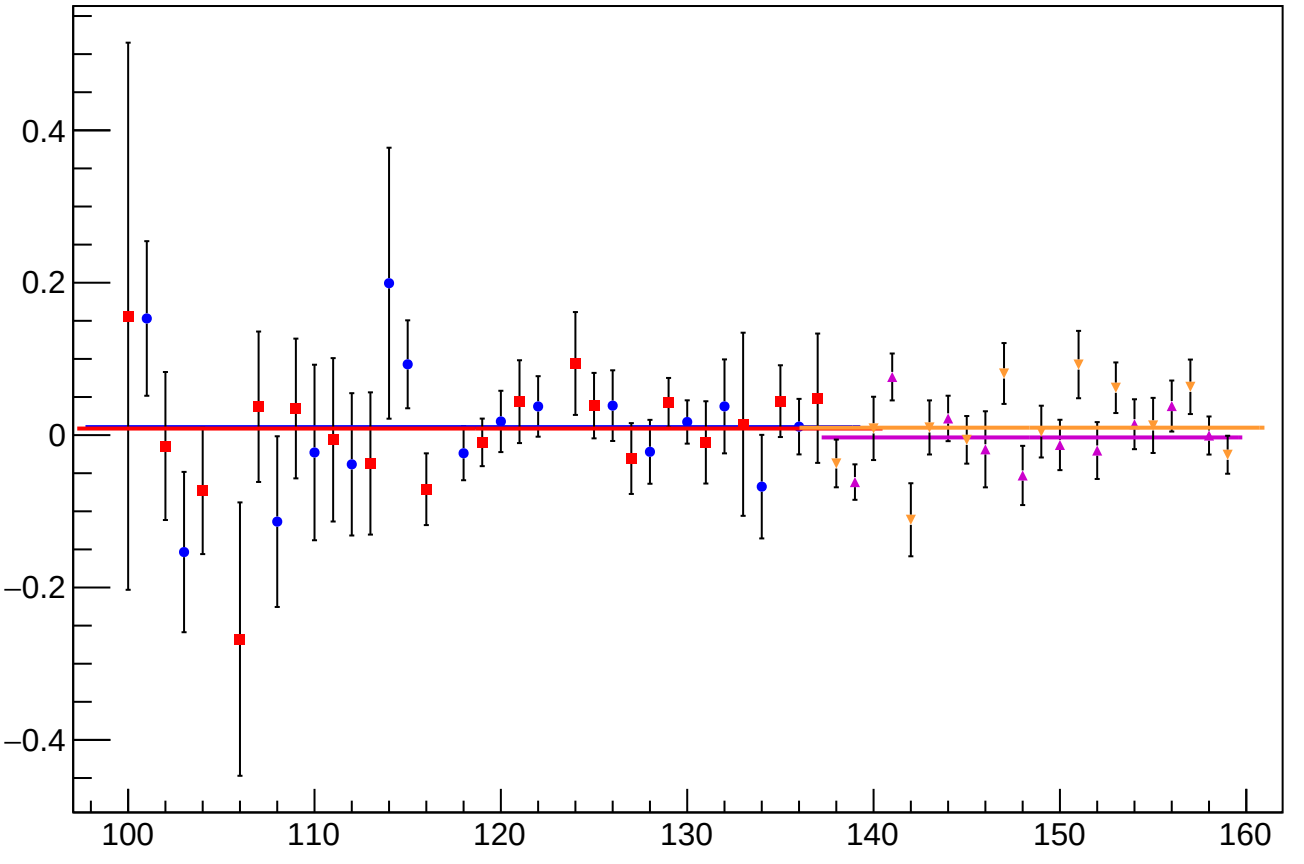
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.160+/-0.007 χ^2/NDF:620042.5/9

+ sign 29.841+/-0.006 χ^2/NDF: 2901399.9/27

All: 29.642+/-0.004 χ^2/NDF: 6267753.6/56

- sign 29.438+/-0.006 χ^2/NDF: 3363745.3/28



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.010+/-0.010 χ^2/NDF:22.4/11

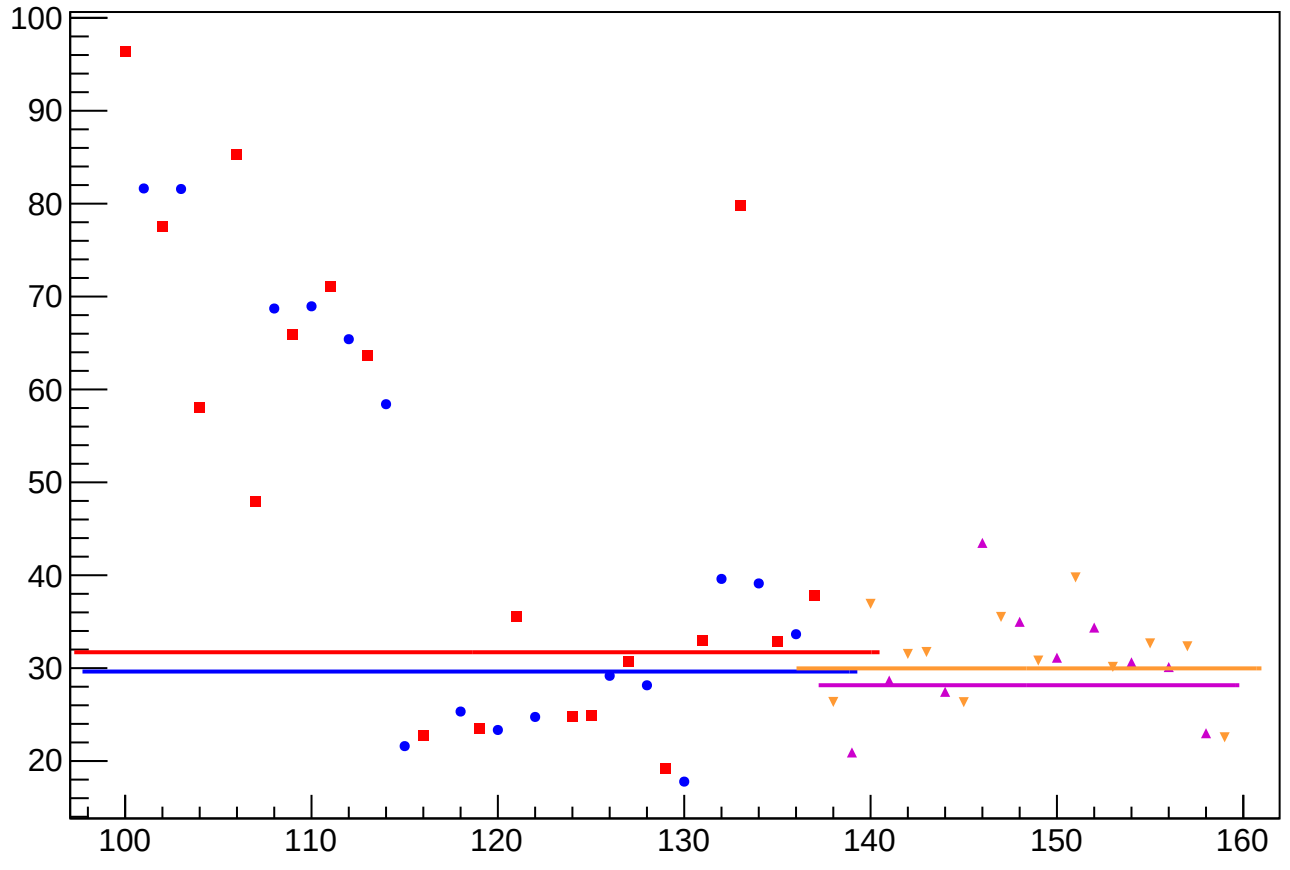
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.003+/-0.010 χ^2/NDF:17.5/9

+ sign 0.010+/-0.008 χ^2/NDF: 35.5/27

All: 0.006+/-0.006 χ^2/NDF: 66.6/56

- sign 0.001+/-0.008 χ^2/NDF: 30.5/28



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.974+/-0.007 χ^2/NDF:451832.2/11

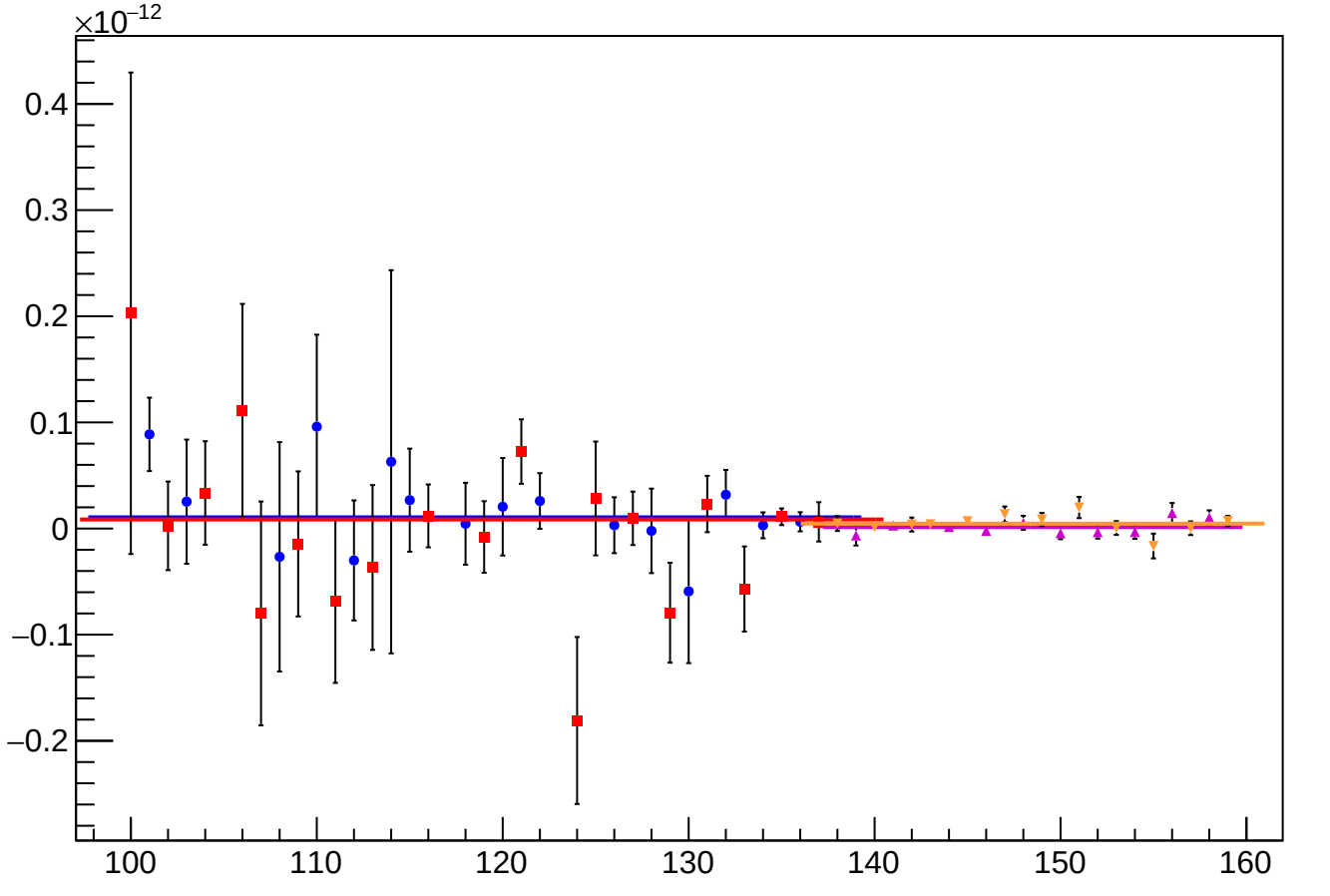
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.160+/-0.007 χ^2/NDF:620042.5/9

+ sign 29.841+/-0.006 χ^2/NDF: 2901399.9/27

All: 29.642+/-0.004 χ^2/NDF: 6267753.6/56

- sign 29.438+/-0.006 χ^2/NDF: 3363745.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/11

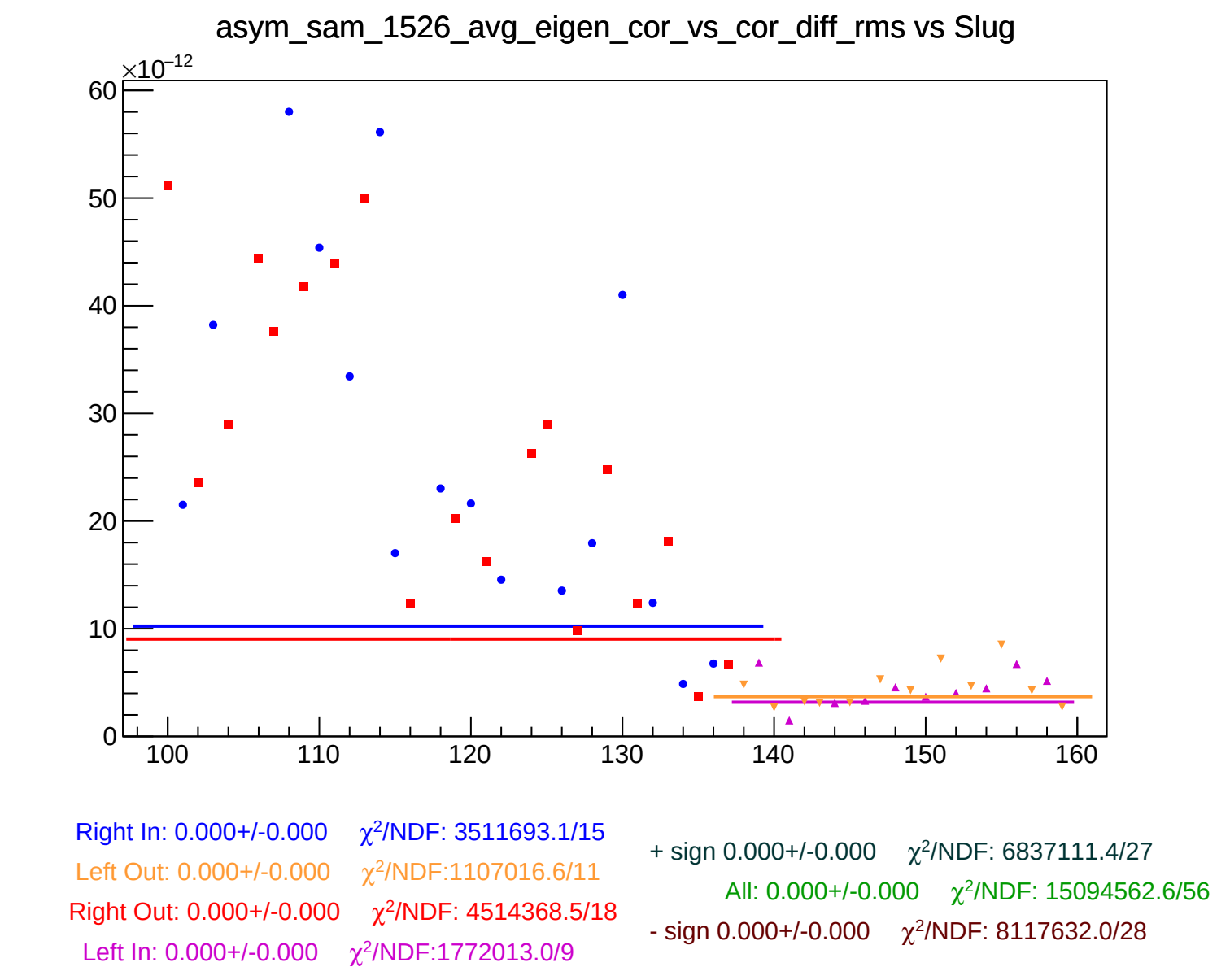
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/9

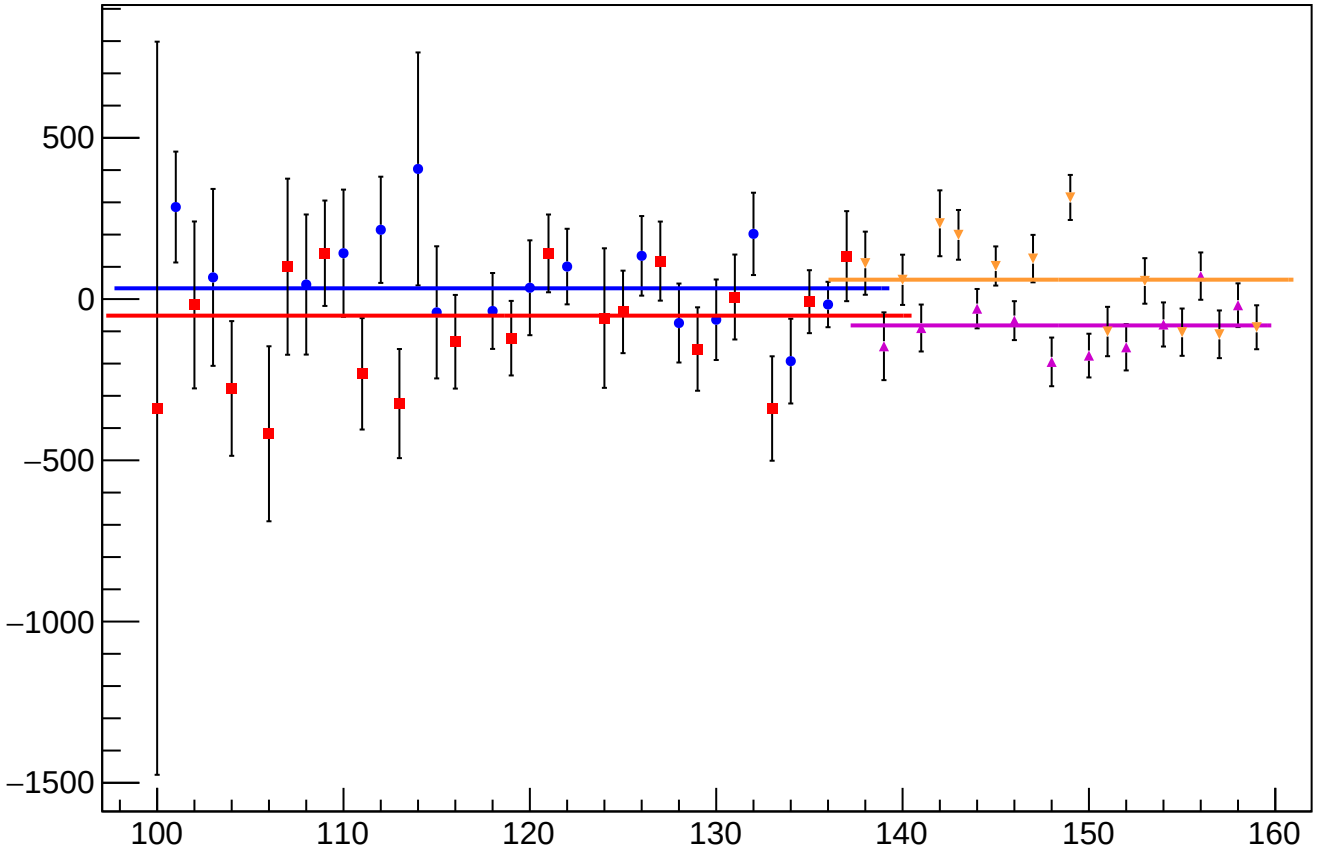
+ sign 0.000+/-0.000 χ^2/NDF: 20.5/27

All: 0.000+/-0.000 χ^2/NDF: 53.5/56

- sign 0.000+/-0.000 χ^2/NDF: 30.7/28


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:1772013.0/9
+ sign 0.000+/-0.000 χ²/NDF: 6837111.4/27
All: 0.000+/-0.000 χ²/NDF: 15094562.6/56
- sign 0.000+/-0.000 χ²/NDF: 8117632.0/28

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

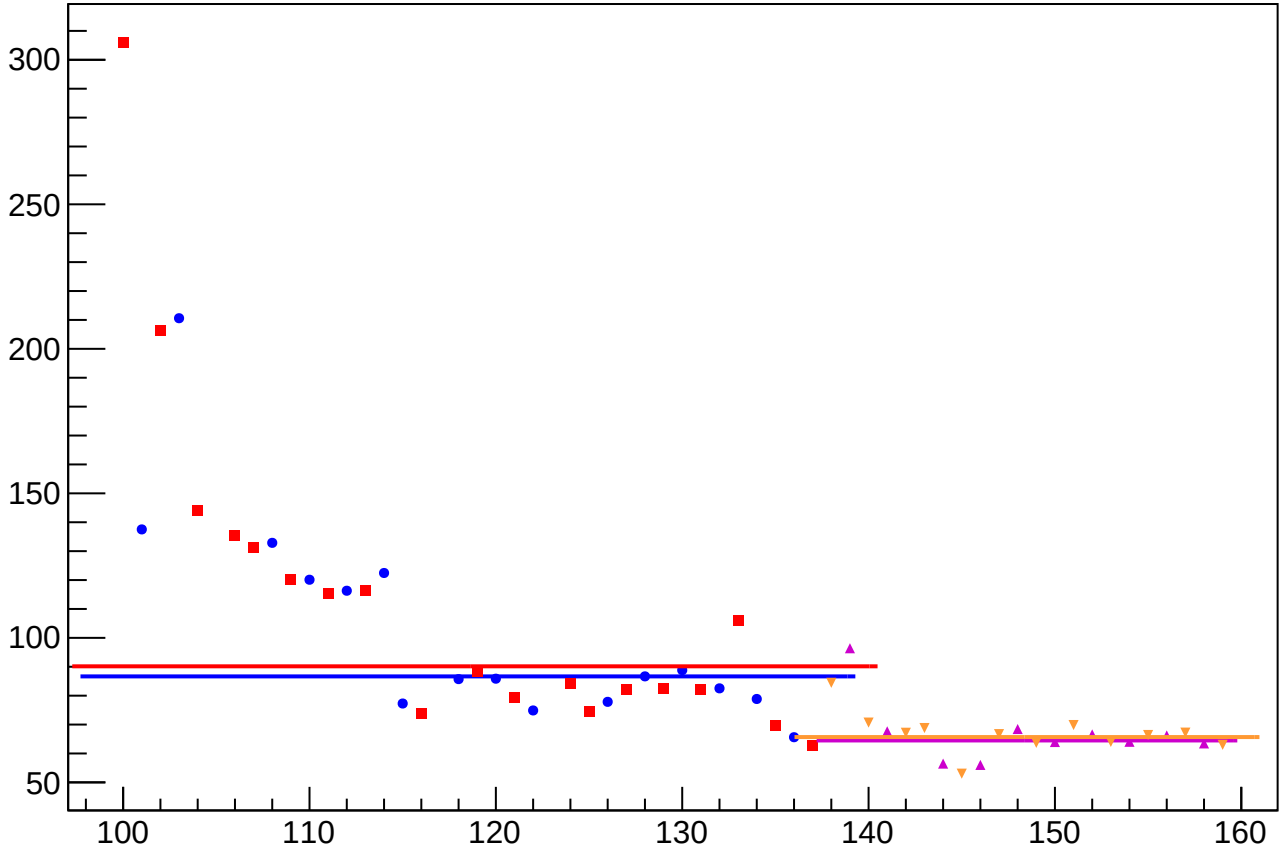
Left In: -81.670+/-22.211 χ^2/NDF:11.4/9

+ sign 52.470+/-18.194 χ^2/NDF: 53.6/27

All: -8.399+/-13.051 χ^2/NDF: 108.2/56

- sign -72.908+/-18.730 χ^2/NDF: 31.5/28

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

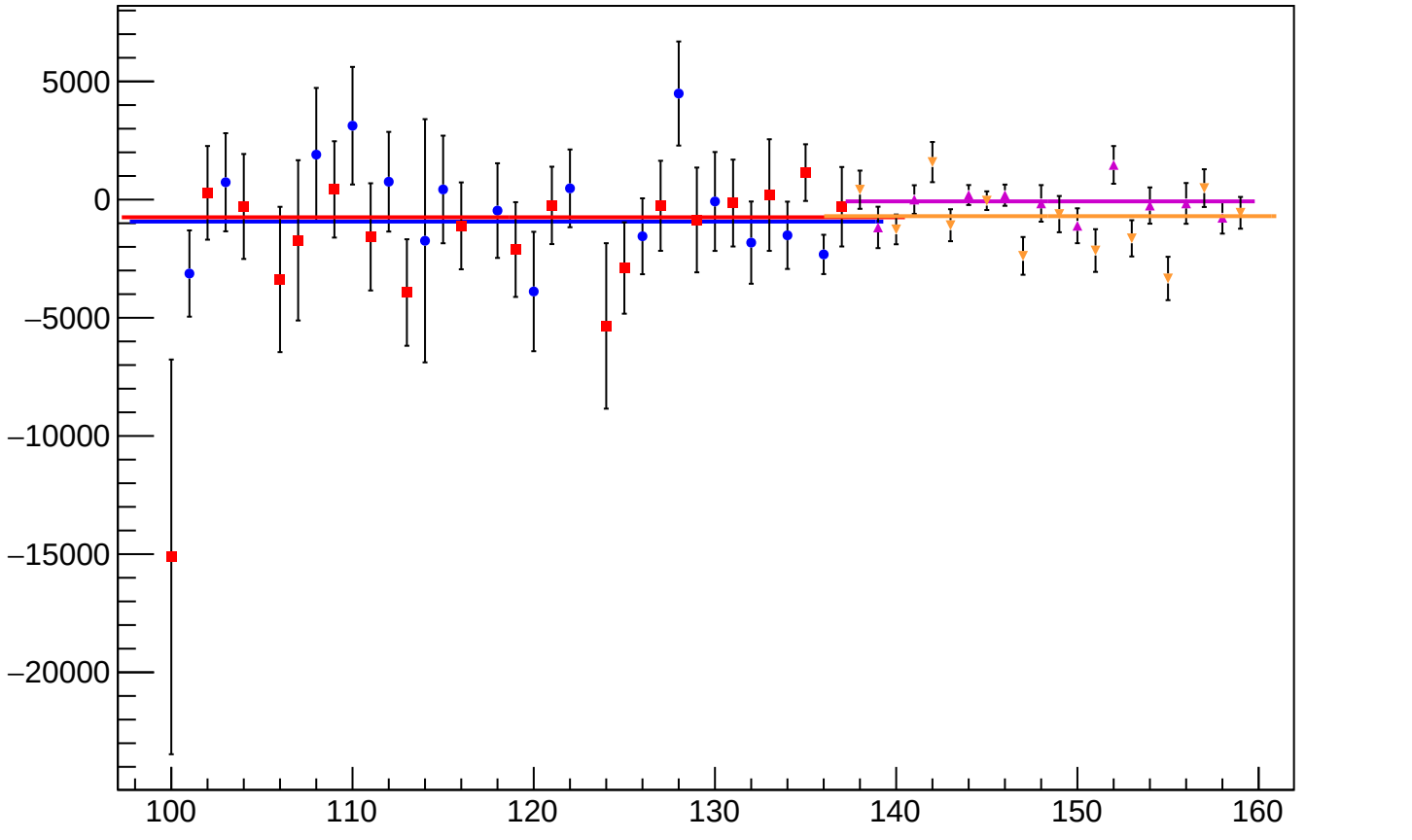
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

+ sign 71.729+/-0.013 χ^2/NDF: 1770917.9/27

All: 71.818+/-0.009 χ^2/NDF: 3962184.6/56

- sign 71.913+/-0.013 χ^2/NDF: 2191167.8/28



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

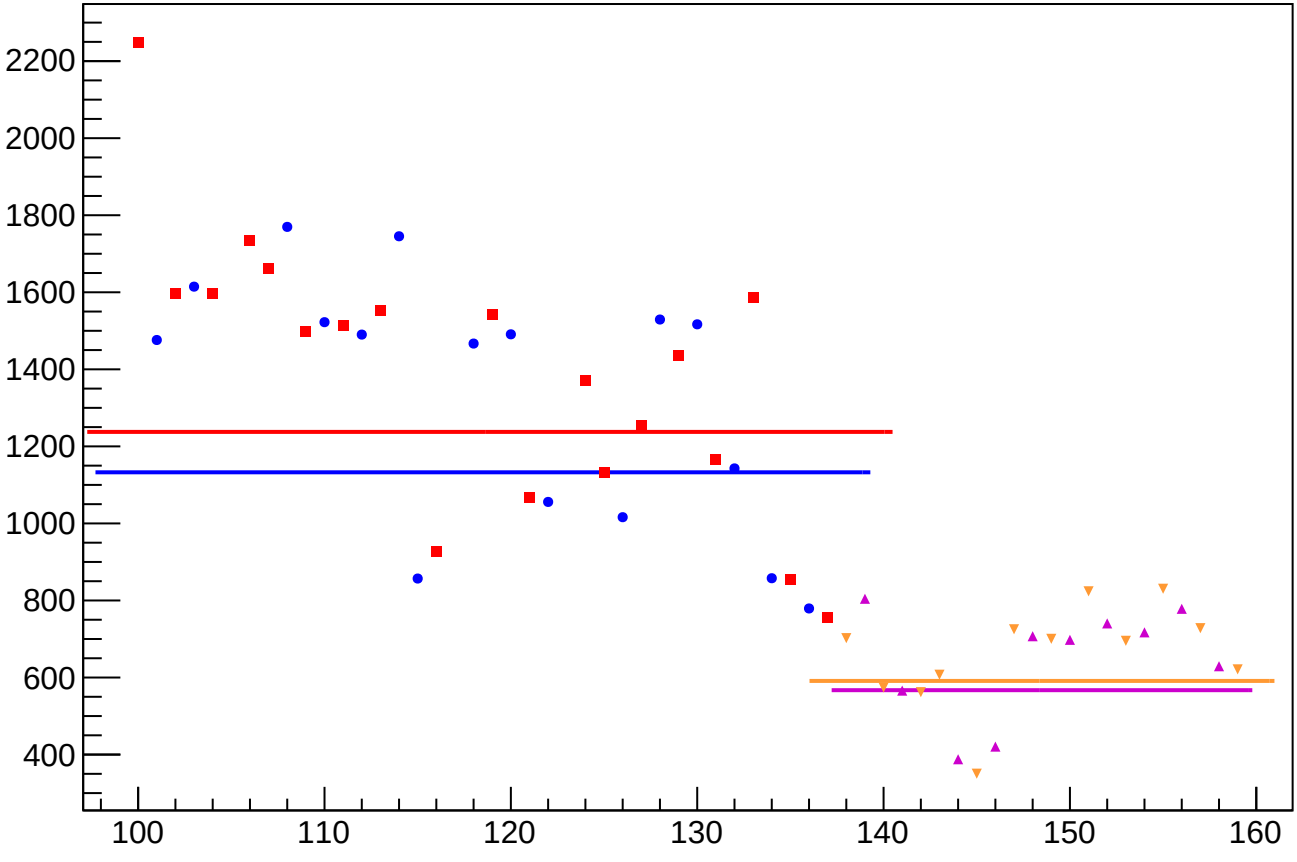
Left In: -74.449+/-200.282 χ^2/NDF:9.2/9

+ sign -739.405+/-181.532 χ^2/NDF: 50.8/27

All: -462.988+/-129.269 χ^2/NDF: 79.4/56

- sign -178.624+/-184.124 χ^2/NDF: 23.9/28

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

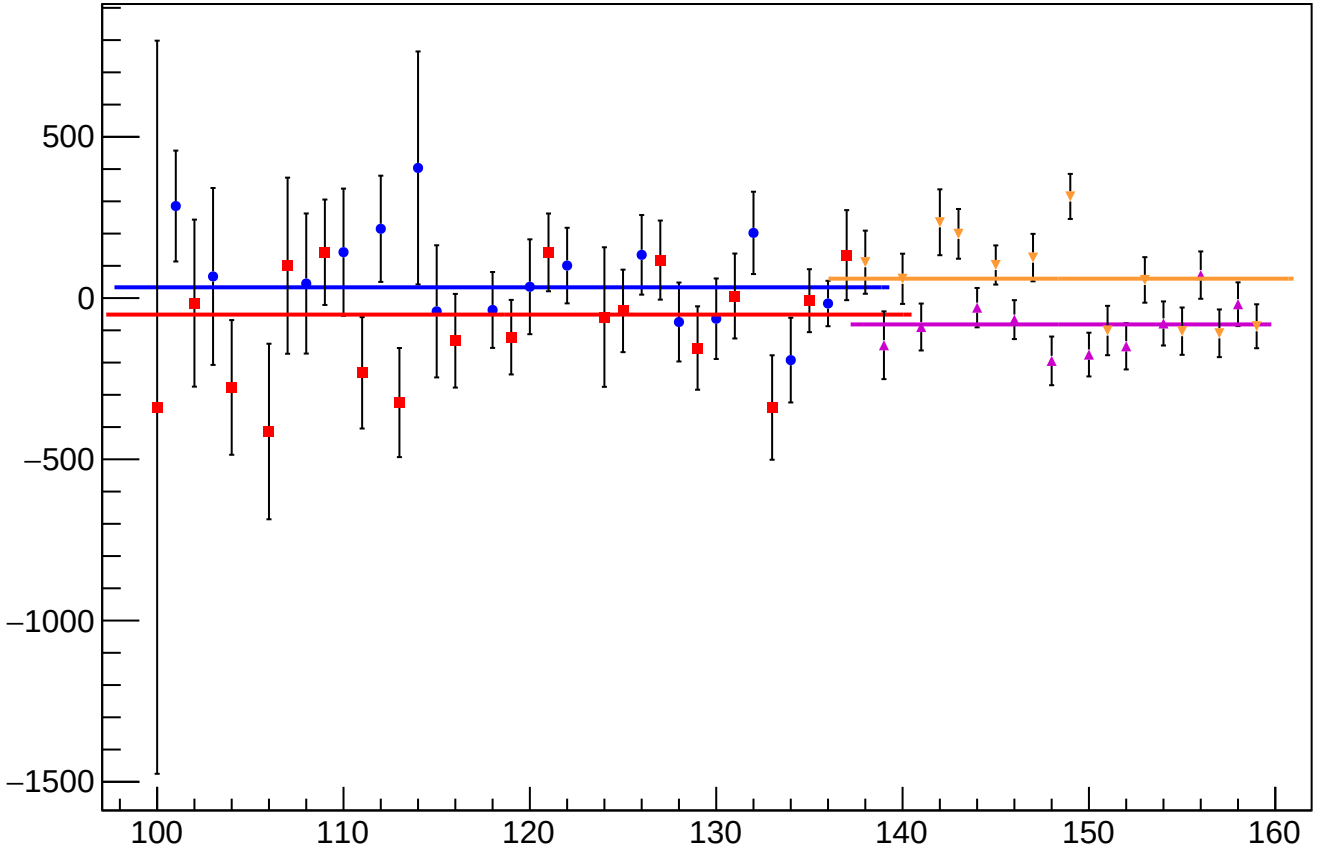
Left In: 567.143+/-0.142 χ^2/NDF:1155802.9/9

+ sign 682.985+/-0.128 χ^2/NDF: 4881520.4/27

All: 677.058+/-0.091 χ^2/NDF: 10407401.2/56

- sign 670.961+/-0.130 χ^2/NDF: 5521555.8/28

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

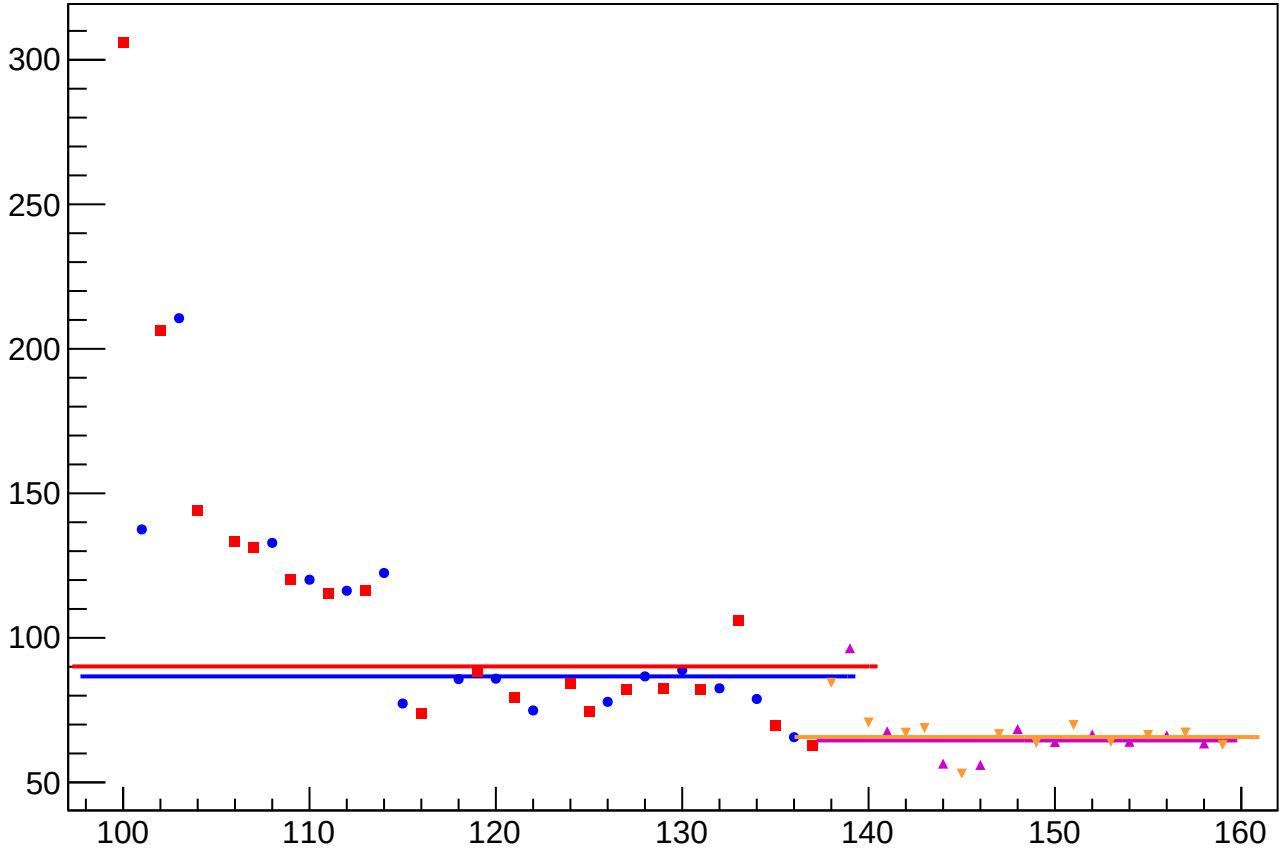
Left In: -81.672+/-22.211 χ^2/NDF:11.4/9

+ sign 52.471+/-18.194 χ^2/NDF: 53.6/27

All: -8.378+/-13.051 χ^2/NDF: 108.1/56

- sign -72.867+/-18.731 χ^2/NDF: 31.5/28

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

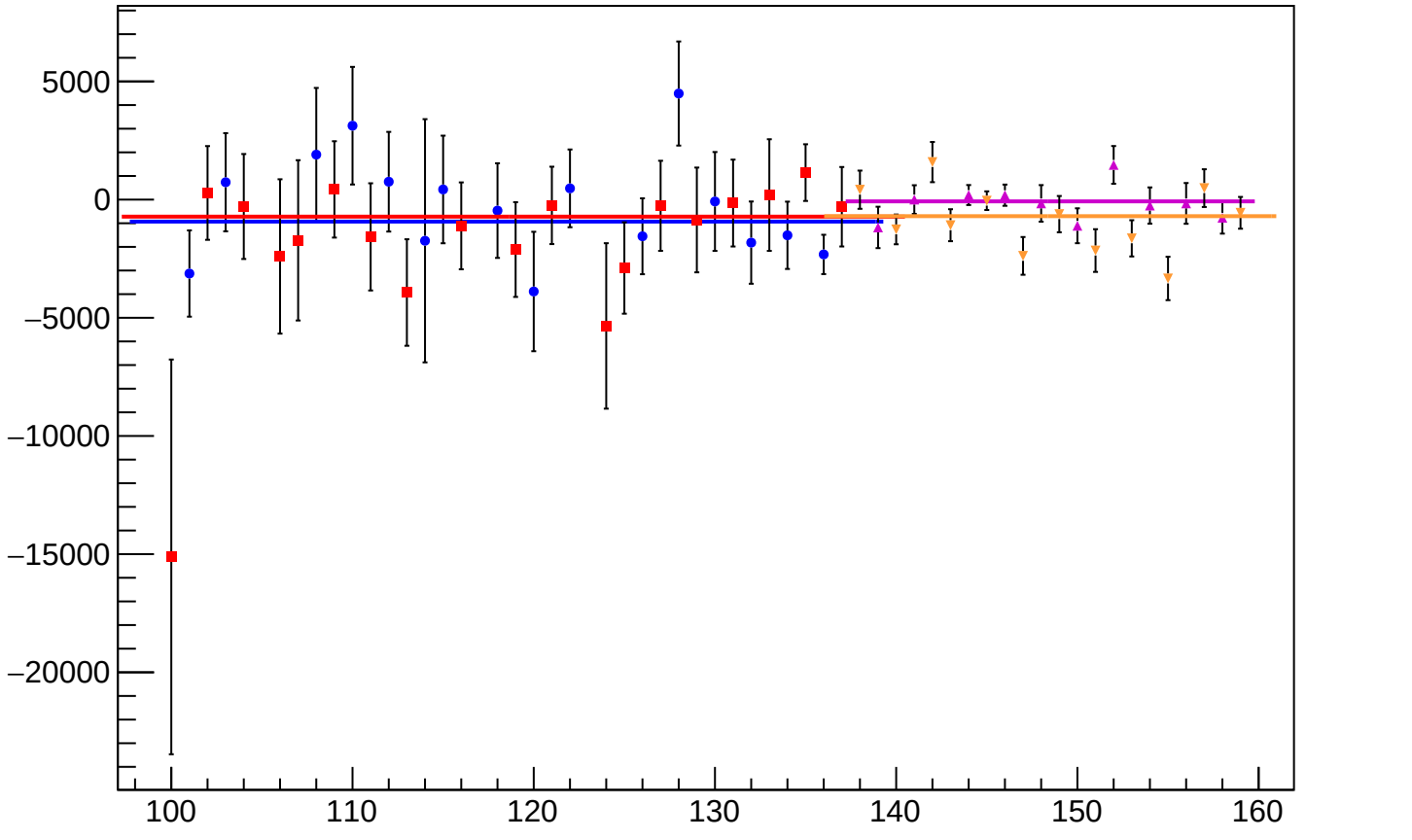
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

+ sign 71.729+/-0.013 χ^2/NDF: 1770920.4/27

All: 71.813+/-0.009 χ^2/NDF: 3955188.9/56

- sign 71.902+/-0.013 χ^2/NDF: 2184181.5/28



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

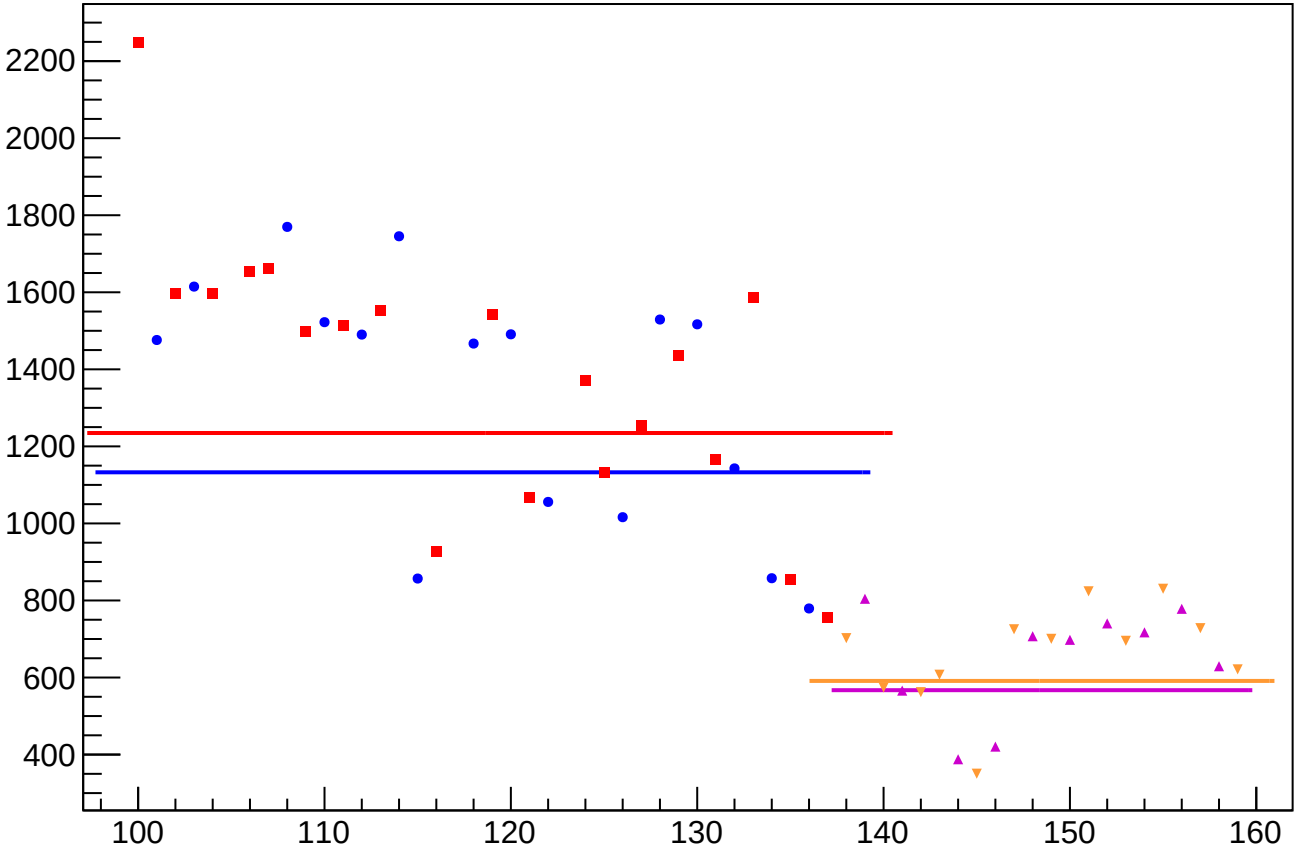
Left In: -74.451+/-200.282 χ^2/NDF:9.2/9

+ sign -739.393+/-181.532 χ^2/NDF: 50.8/27

All: -460.899+/-129.283 χ^2/NDF: 78.9/56

- sign -174.276+/-184.162 χ^2/NDF: 23.3/28

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

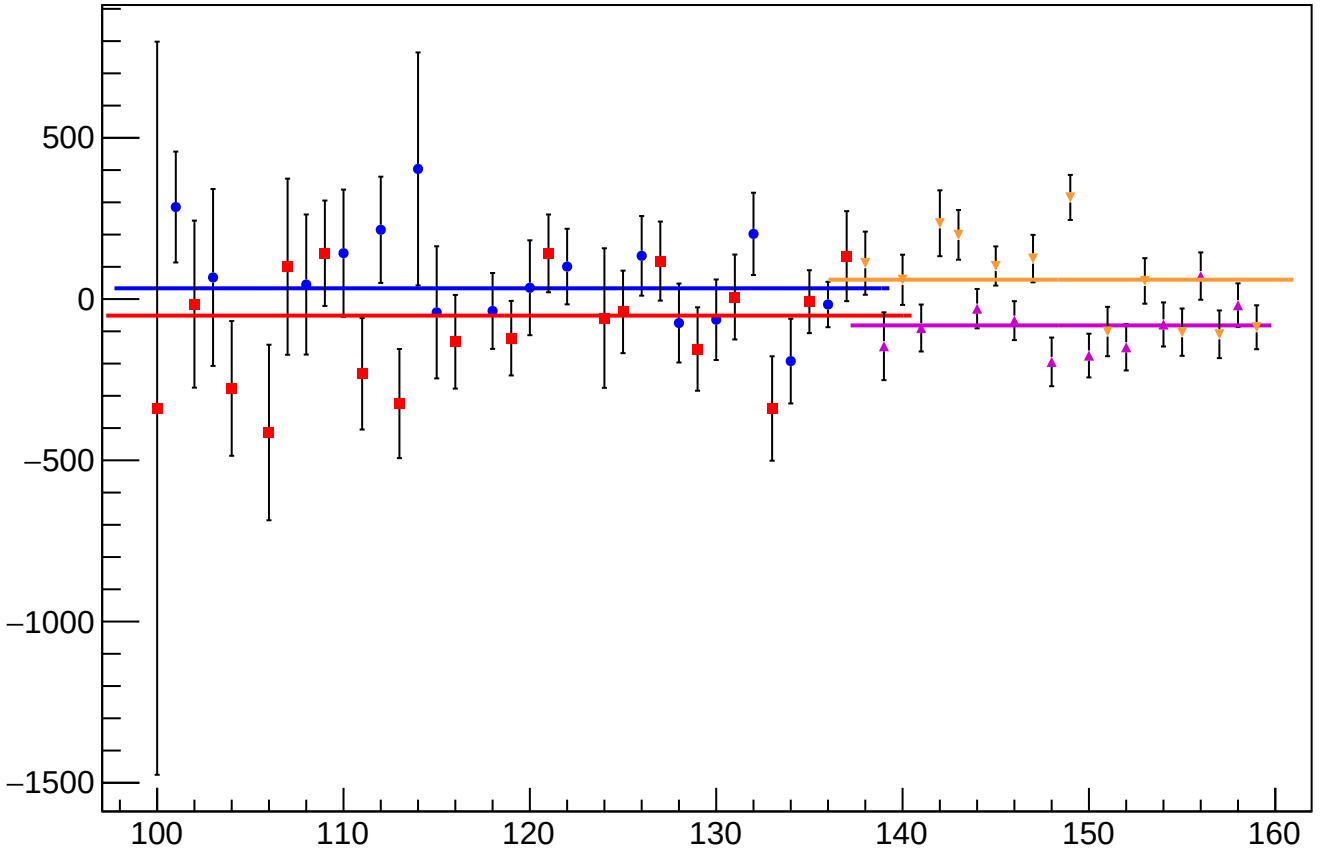
Left In: 567.143+/-0.142 χ^2/NDF:1155803.2/9

+ sign 682.984+/-0.128 χ^2/NDF: 4881562.7/27

All: 676.722+/-0.091 χ^2/NDF: 10351219.9/56

- sign 670.277+/-0.130 χ^2/NDF: 5464827.5/28

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

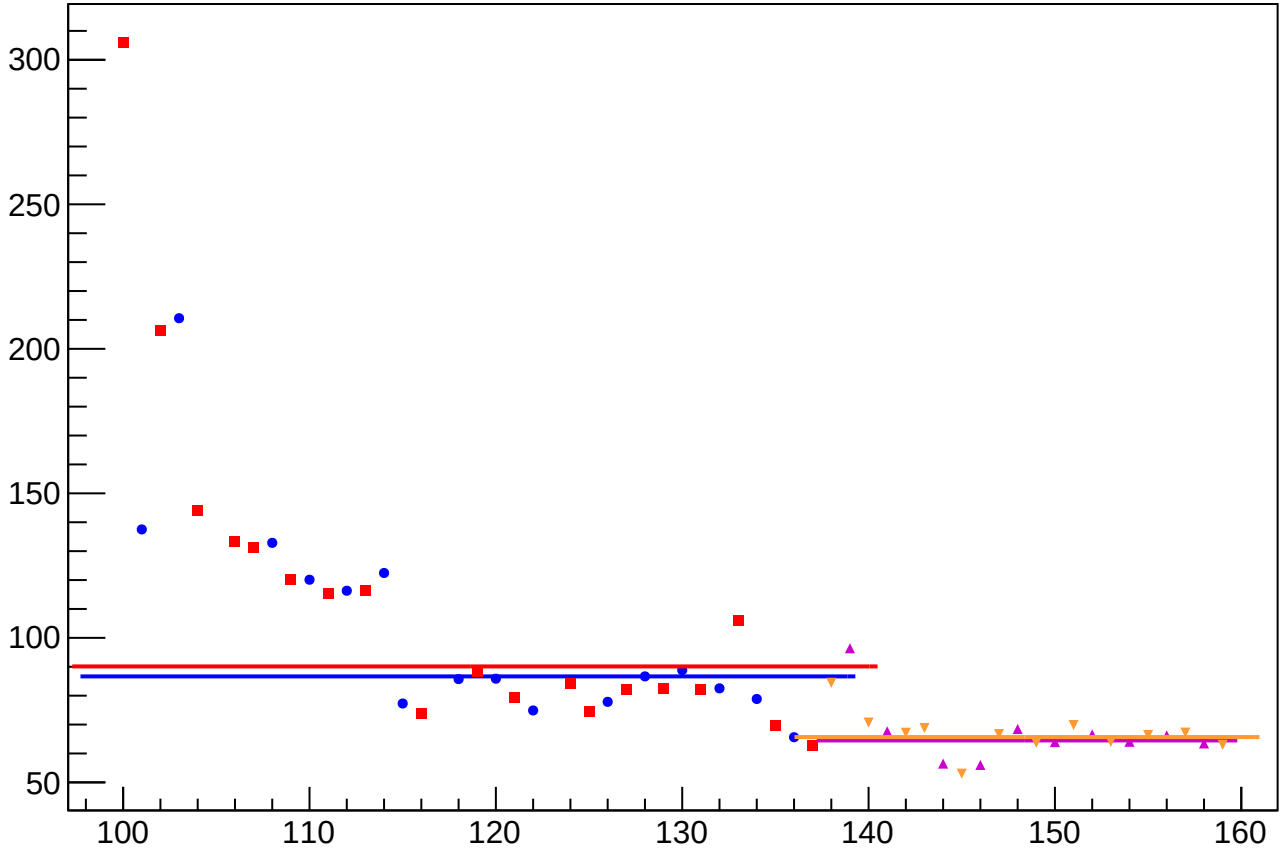
Left In: -81.672+/-22.211 χ^2/NDF:11.4/9

+ sign 52.471+/-18.194 χ^2/NDF: 53.6/27

All: -8.378+/-13.051 χ^2/NDF: 108.1/56

- sign -72.867+/-18.731 χ^2/NDF: 31.5/28

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

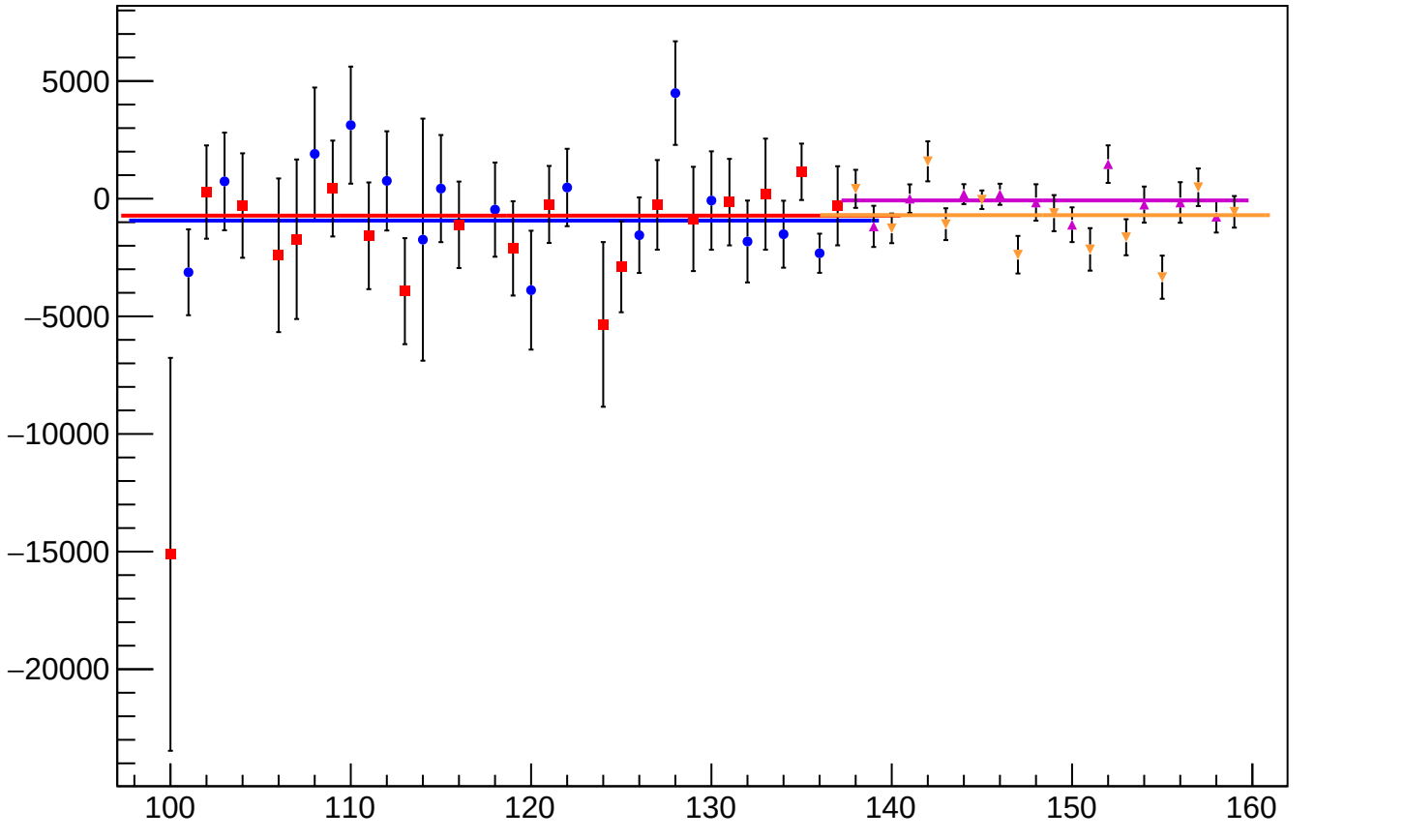
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.504+/-0.016 χ^2/NDF:270846.9/9

+ sign 71.729+/-0.013 χ^2/NDF: 1770920.4/27

All: 71.813+/-0.009 χ^2/NDF: 3955188.9/56

- sign 71.902+/-0.013 χ^2/NDF: 2184181.5/28



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -700.527+/-199.201 χ^2/NDF:32.1/11

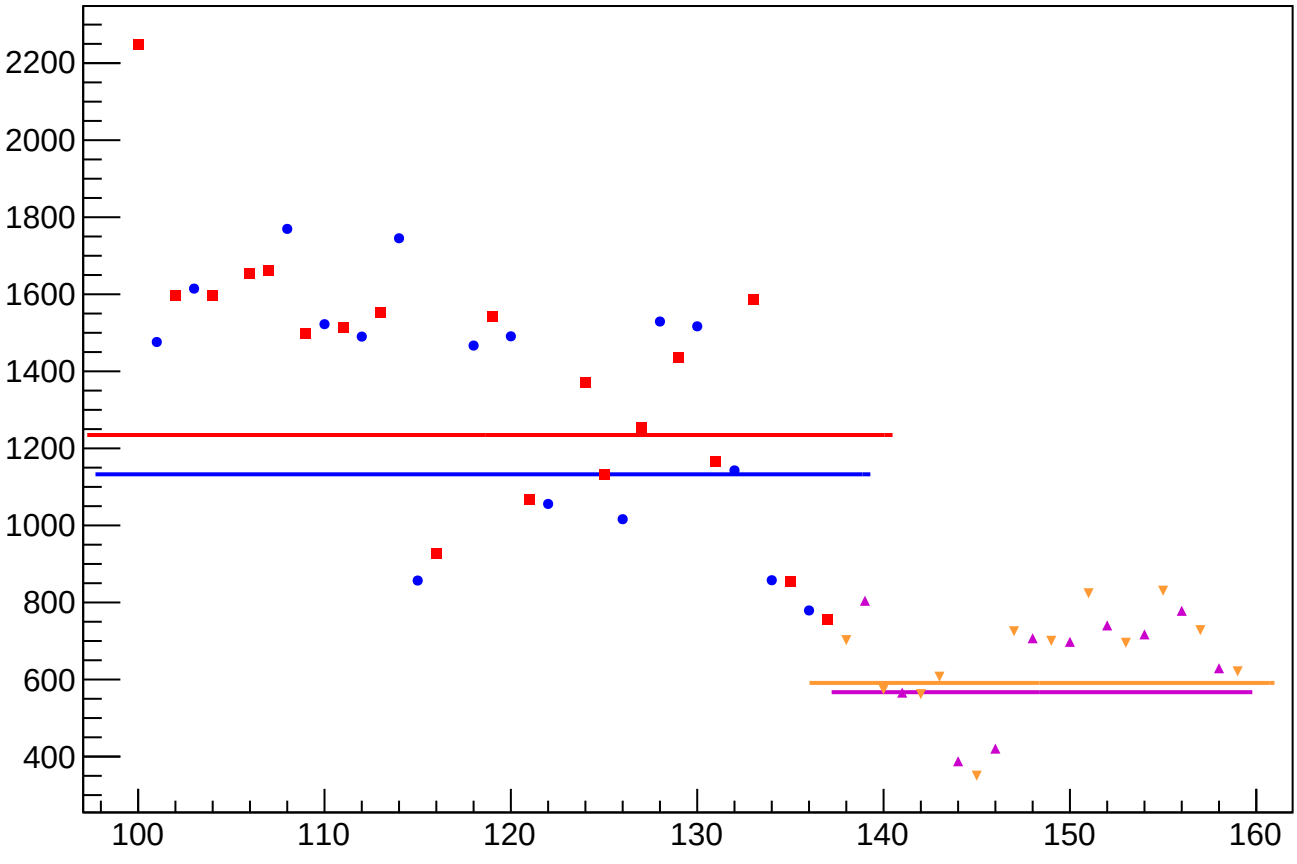
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -74.451+/-200.282 χ^2/NDF:9.2/9

+ sign -739.393+/-181.532 χ^2/NDF: 50.8/27

All: -460.899+/-129.283 χ^2/NDF: 78.9/56

- sign -174.276+/-184.162 χ^2/NDF: 23.3/28



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

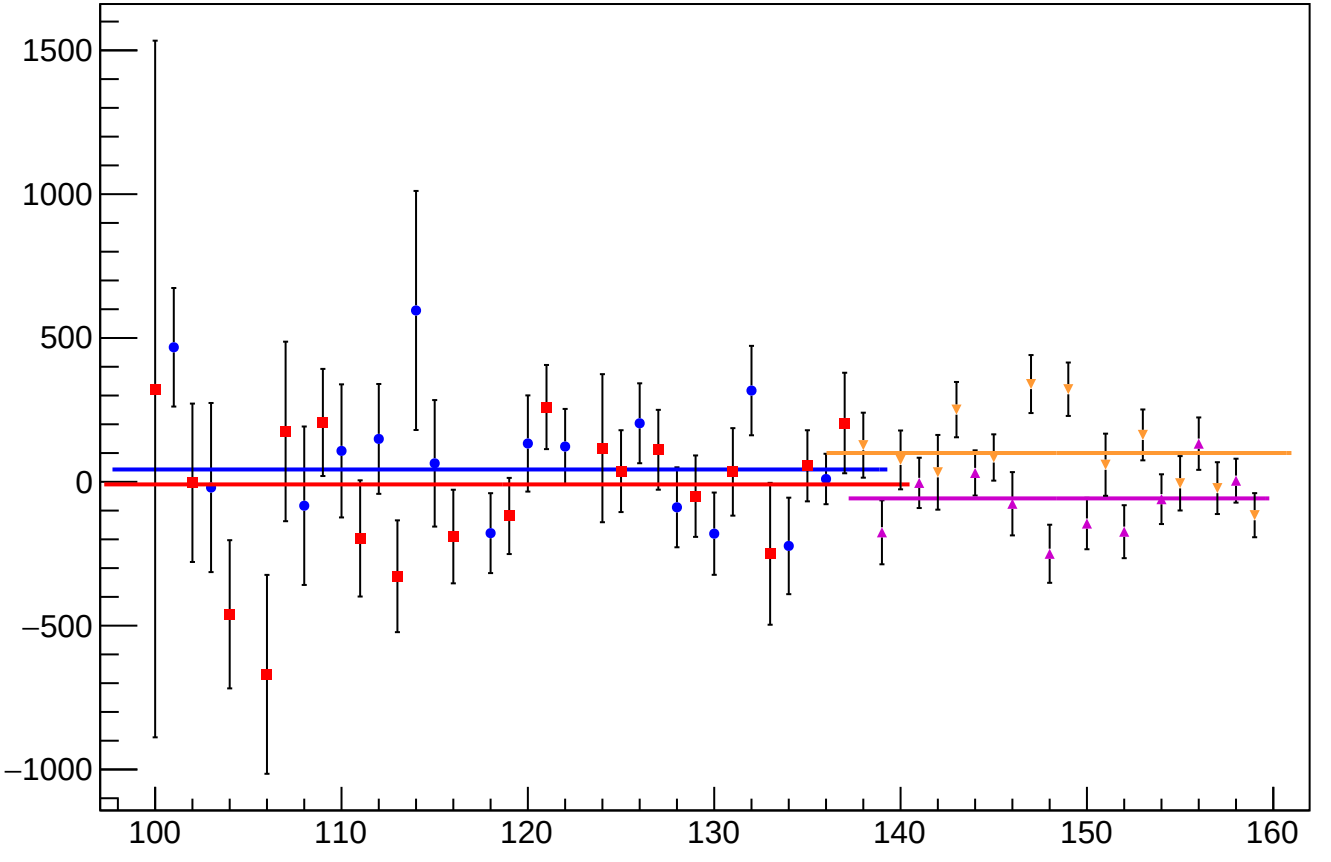
Left In: 567.143+/-0.142 χ^2/NDF:1155803.2/9

+ sign 682.984+/-0.128 χ^2/NDF: 4881562.7/27

All: 676.722+/-0.091 χ^2/NDF: 10351219.9/56

- sign 670.277+/-0.130 χ^2/NDF: 5464827.5/28

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

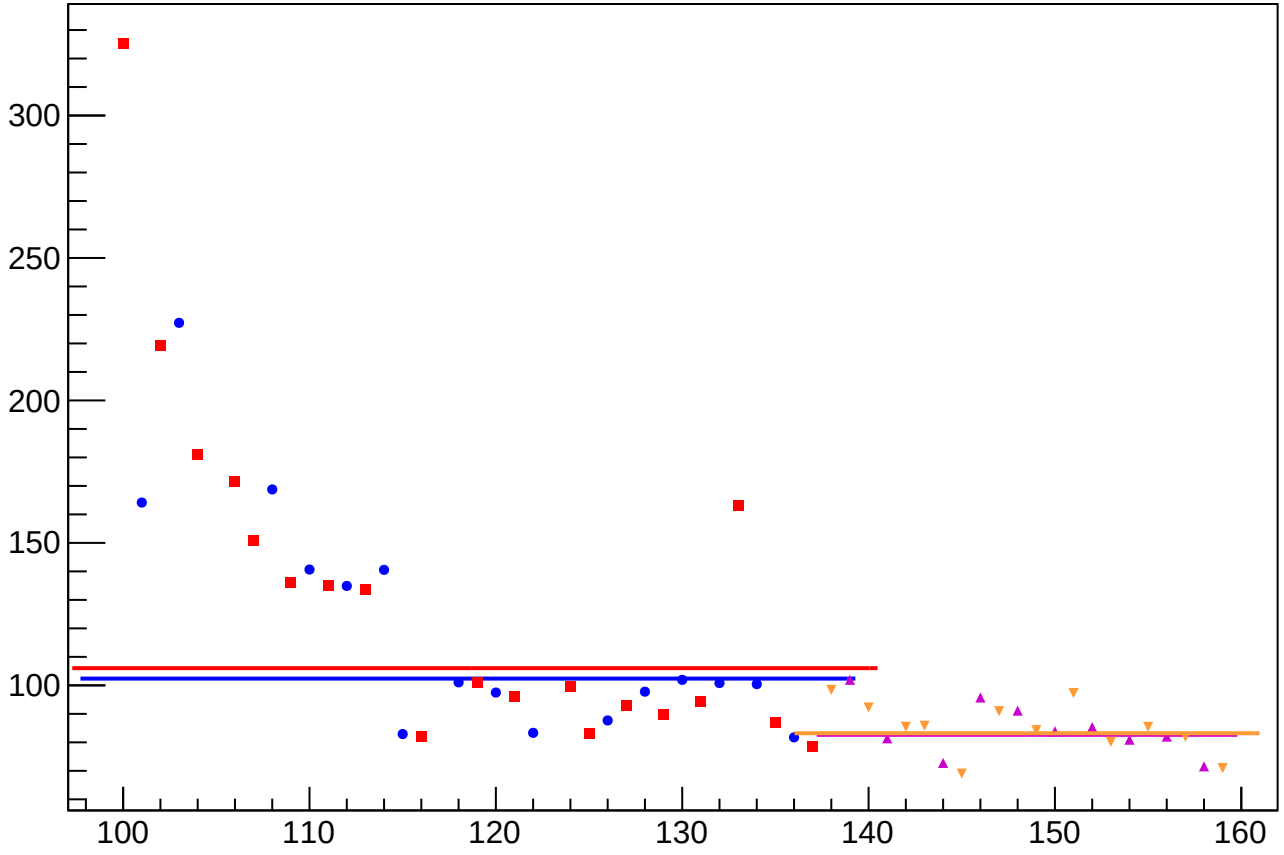
Left In: -57.642+/-28.594 χ^2/NDF:14.0/9

+ sign 81.828+/-22.612 χ^2/NDF: 47.6/27

All: 22.324+/-16.282 χ^2/NDF: 98.3/56

- sign -41.752+/-23.465 χ^2/NDF: 36.3/28

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

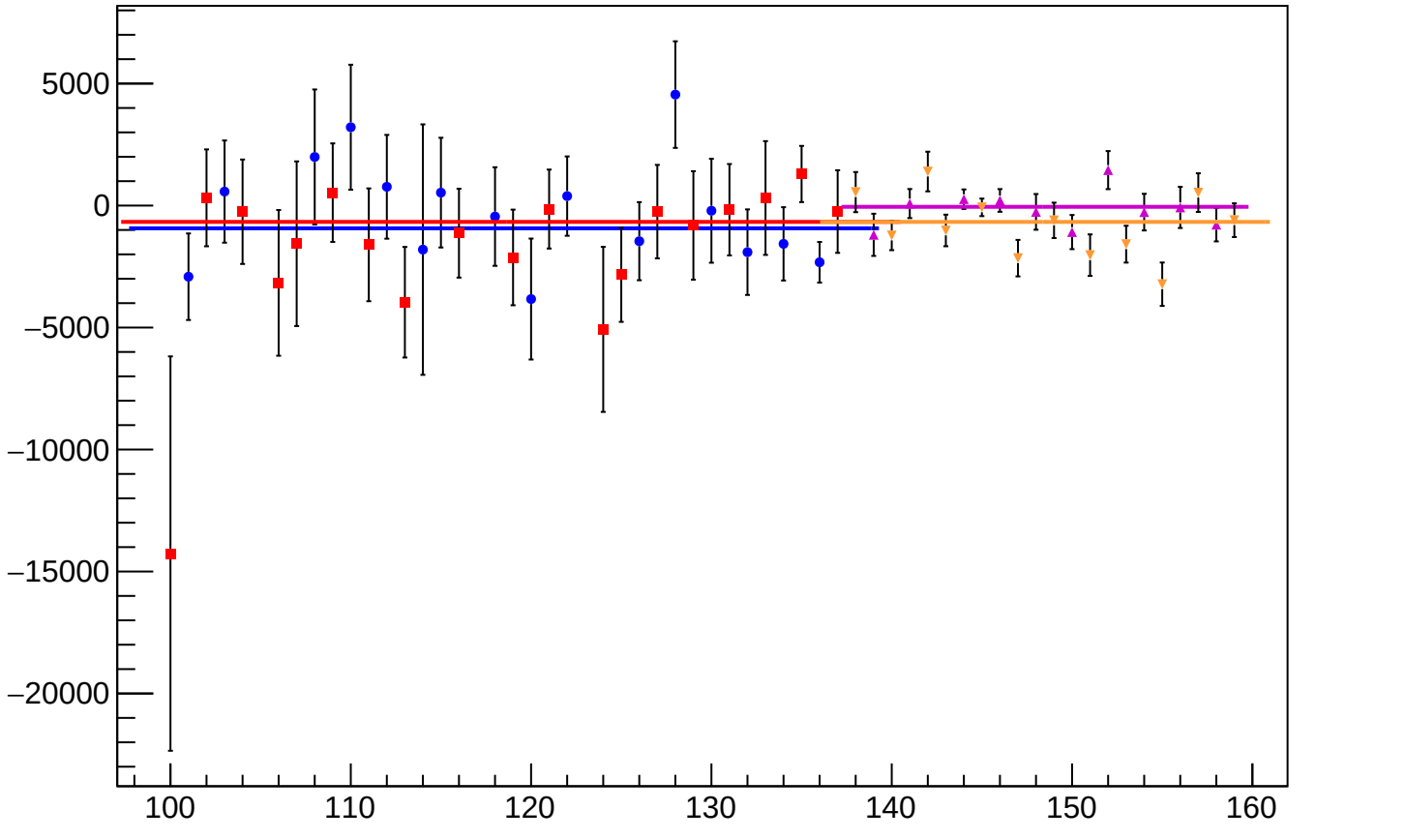
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.642+/-0.020 χ^2/NDF:179789.8/9

+ sign 89.342+/-0.016 χ^2/NDF: 1512670.4/27

All: 89.794+/-0.012 χ^2/NDF: 3322470.6/56

- sign 90.281+/-0.017 χ^2/NDF: 1808138.8/28



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

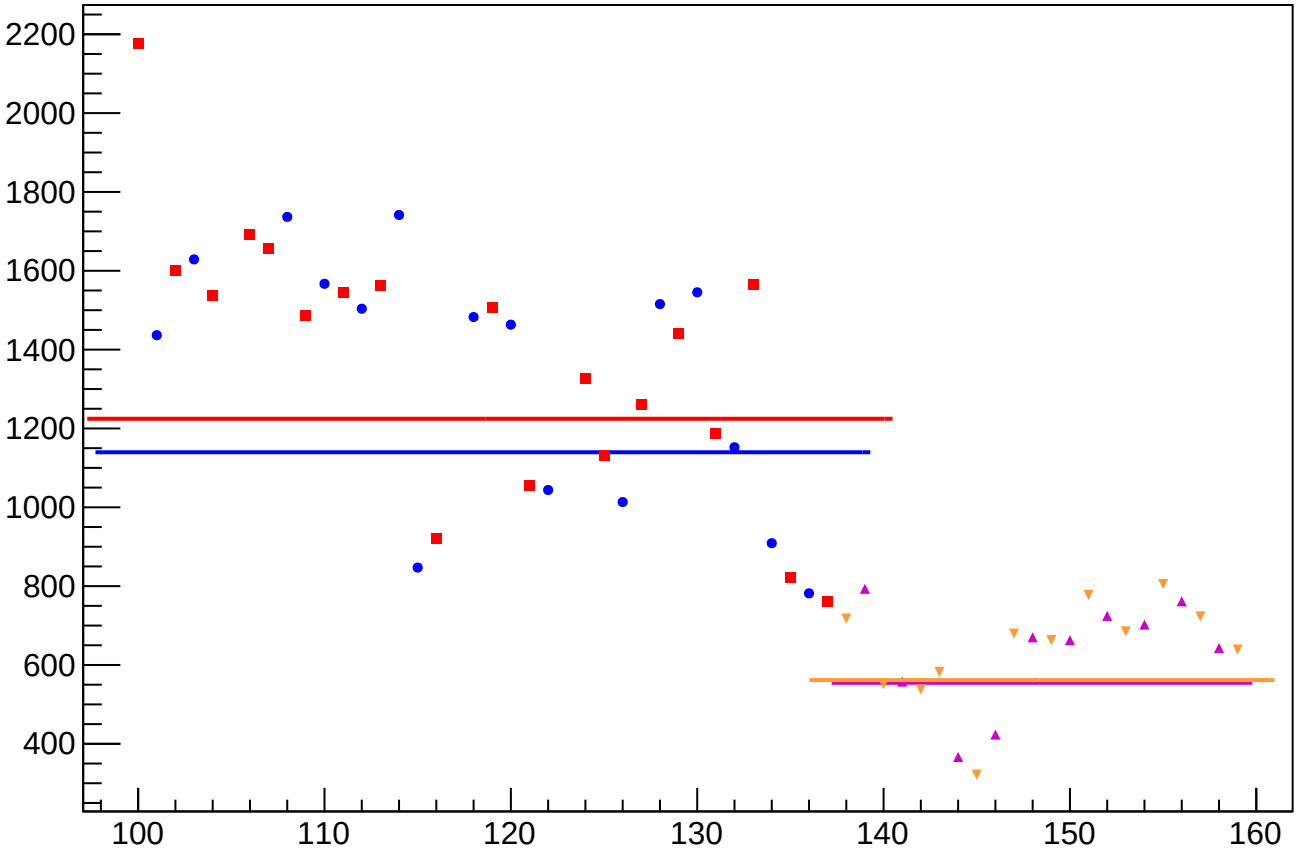
Left In: -51.376+/-196.529 χ^2/NDF:10.0/9

+ sign -710.486+/-174.733 χ^2/NDF: 49.9/27

All: -437.827+/-125.685 χ^2/NDF: 79.8/56

- sign -145.520+/-180.919 χ^2/NDF: 24.9/28

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

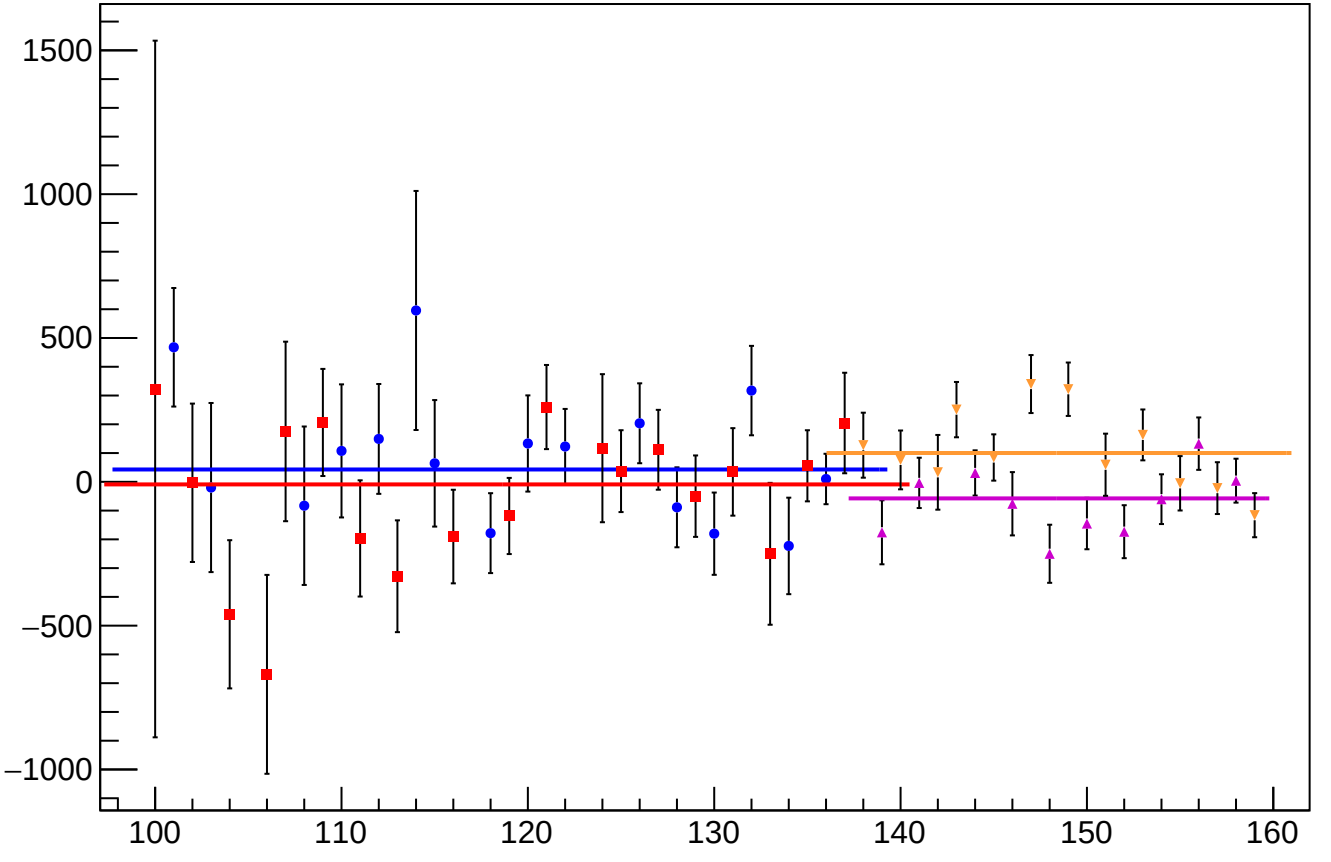
Left In: 554.813+/-0.139 χ^2/NDF:1177788.1/9

+ sign 651.726+/-0.124 χ^2/NDF: 5469689.4/27

All: 654.268+/-0.089 χ^2/NDF: 11114836.1/56

- sign 656.994+/-0.128 χ^2/NDF: 5644269.7/28

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

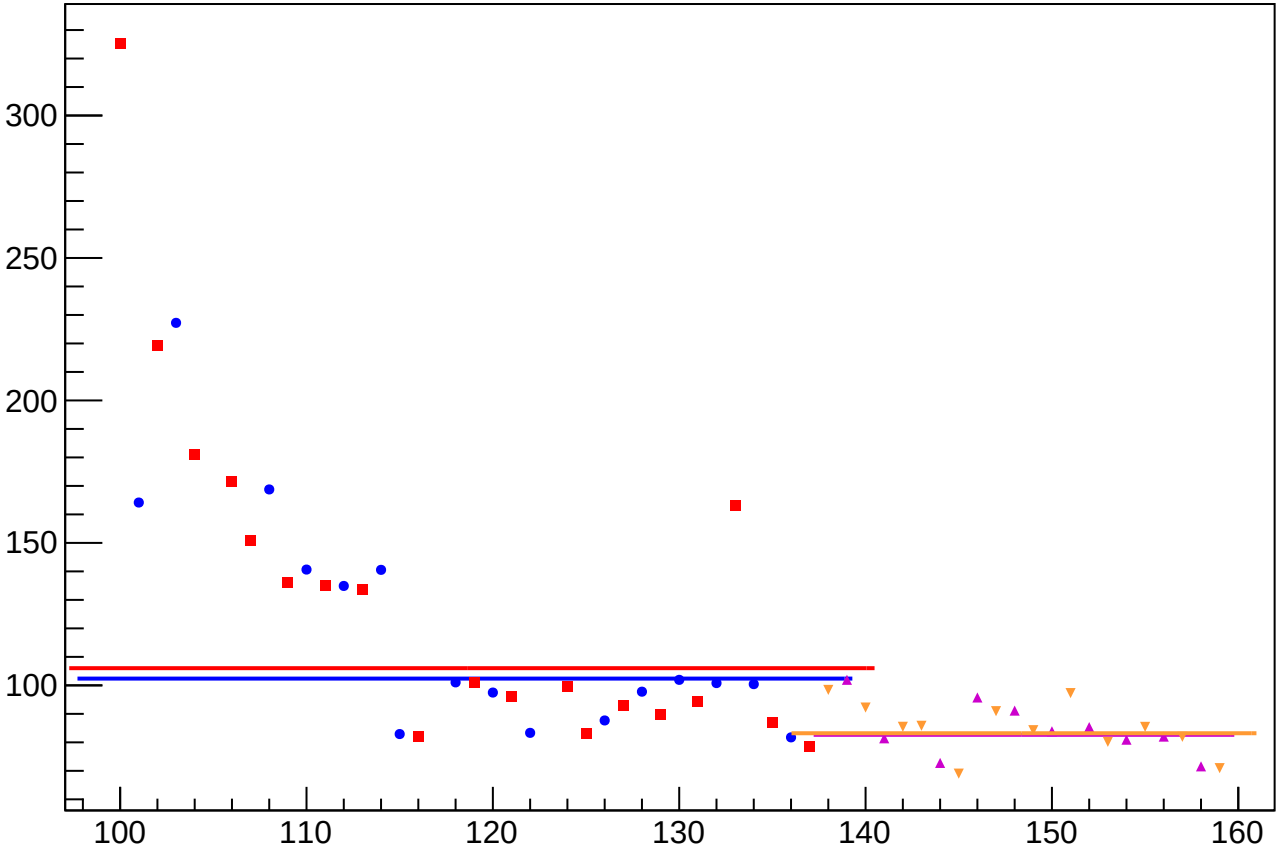
Left In: -57.641+/-28.594 χ^2/NDF:14.0/9

+ sign 81.829+/-22.612 χ^2/NDF: 47.6/27

All: 22.325+/-16.282 χ^2/NDF: 98.3/56

- sign -41.750+/-23.465 χ^2/NDF: 36.3/28

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

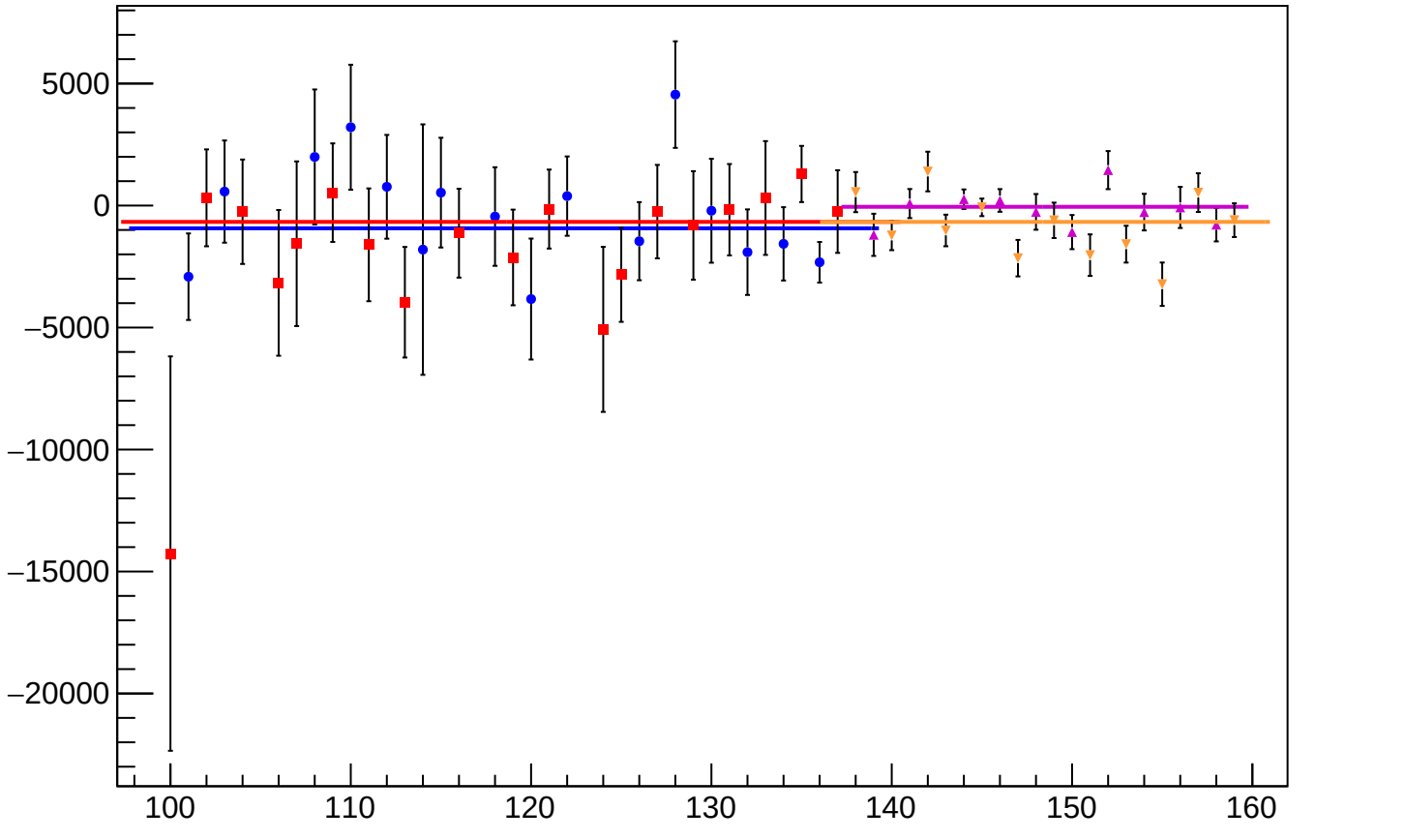
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.643+/-0.020 χ^2/NDF:179793.2/9

+ sign 89.342+/-0.016 χ^2/NDF: 1512645.0/27

All: 89.795+/-0.012 χ^2/NDF: 3322437.8/56

- sign 90.282+/-0.017 χ^2/NDF: 1808131.4/28



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

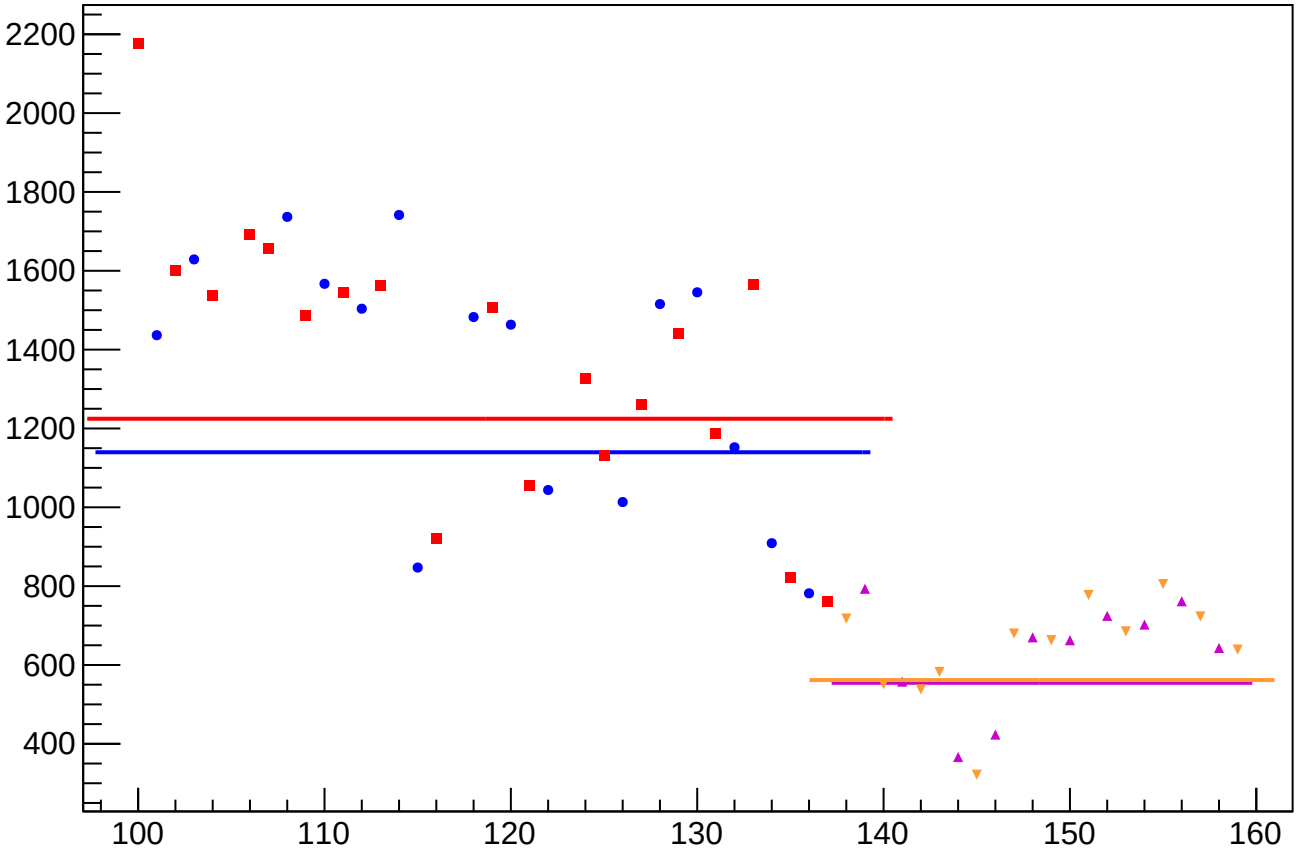
Left In: -51.376+/-196.529 χ^2/NDF:10.0/9

+ sign -710.484+/-174.732 χ^2/NDF: 49.9/27

All: -437.826+/-125.685 χ^2/NDF: 79.8/56

- sign -145.520+/-180.919 χ^2/NDF: 24.9/28

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

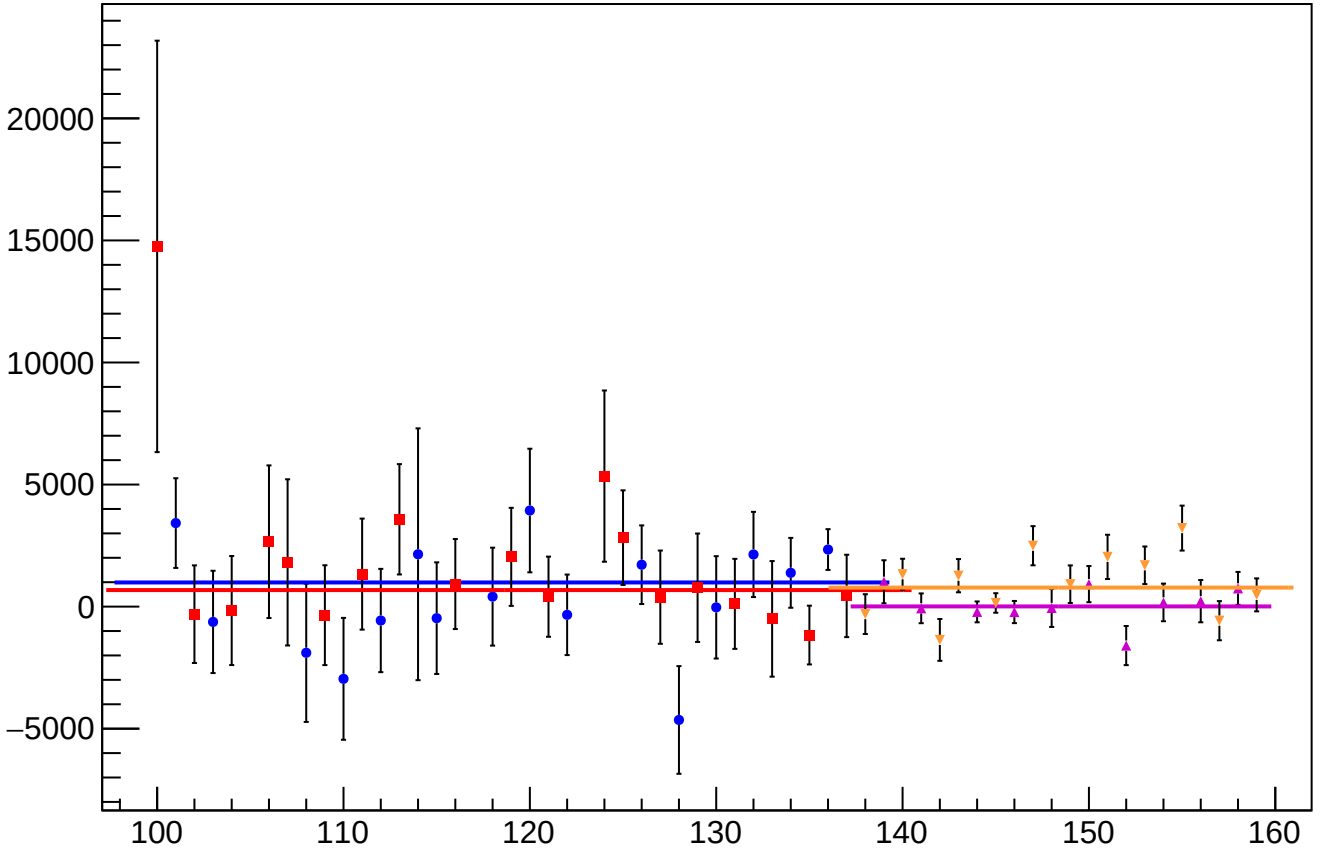
Left In: 554.812+/-0.139 χ^2/NDF:1177793.8/9

+ sign 651.725+/-0.124 χ^2/NDF: 5469706.0/27

All: 654.267+/-0.089 χ^2/NDF: 11114850.0/56

- sign 656.993+/-0.128 χ^2/NDF: 5644266.7/28

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

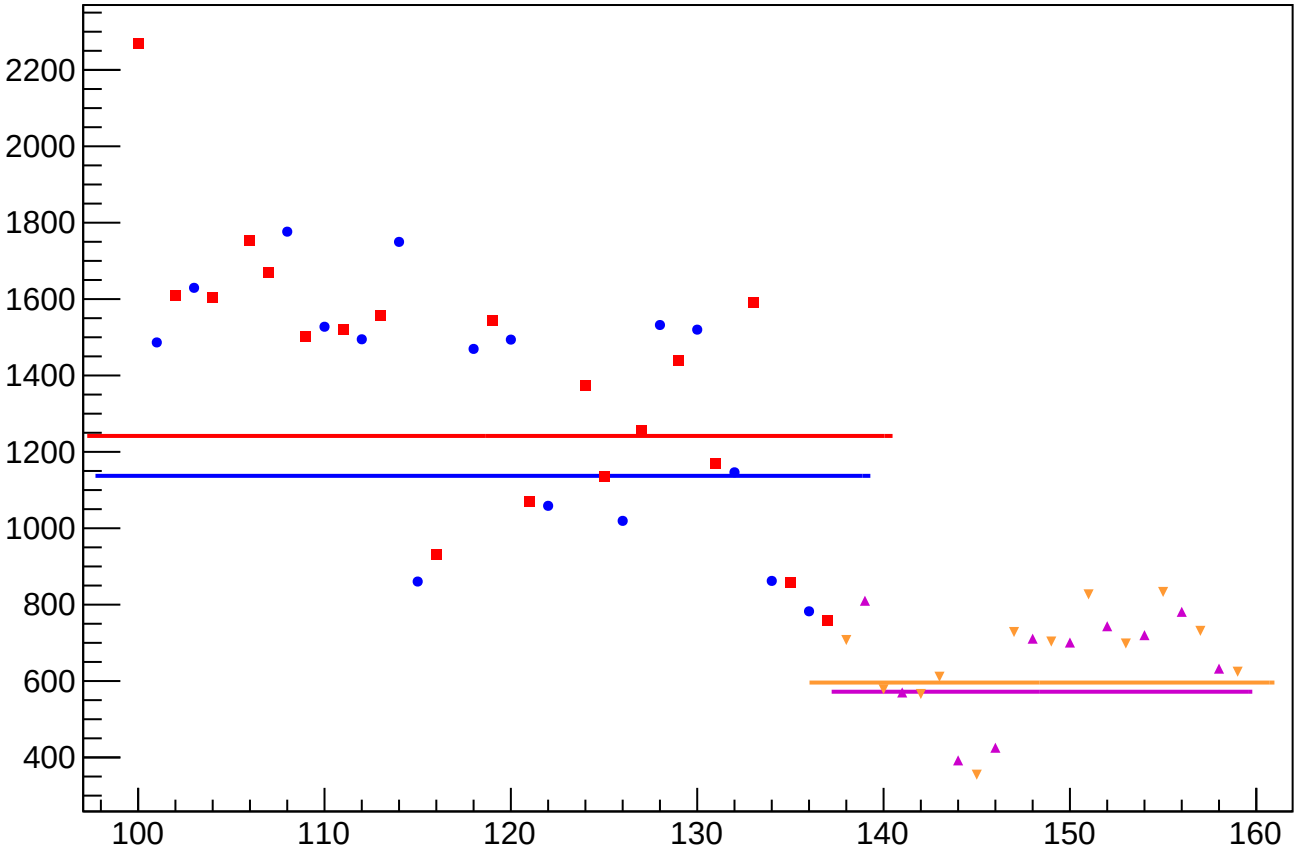
Left In: 7.951+/-201.843 χ^2/NDF:8.7/9

+ sign 815.125+/-182.765 χ^2/NDF: 49.0/27

All: 468.853+/-130.171 χ^2/NDF: 78.6/56

- sign 112.359+/-185.442 χ^2/NDF: 22.3/28

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

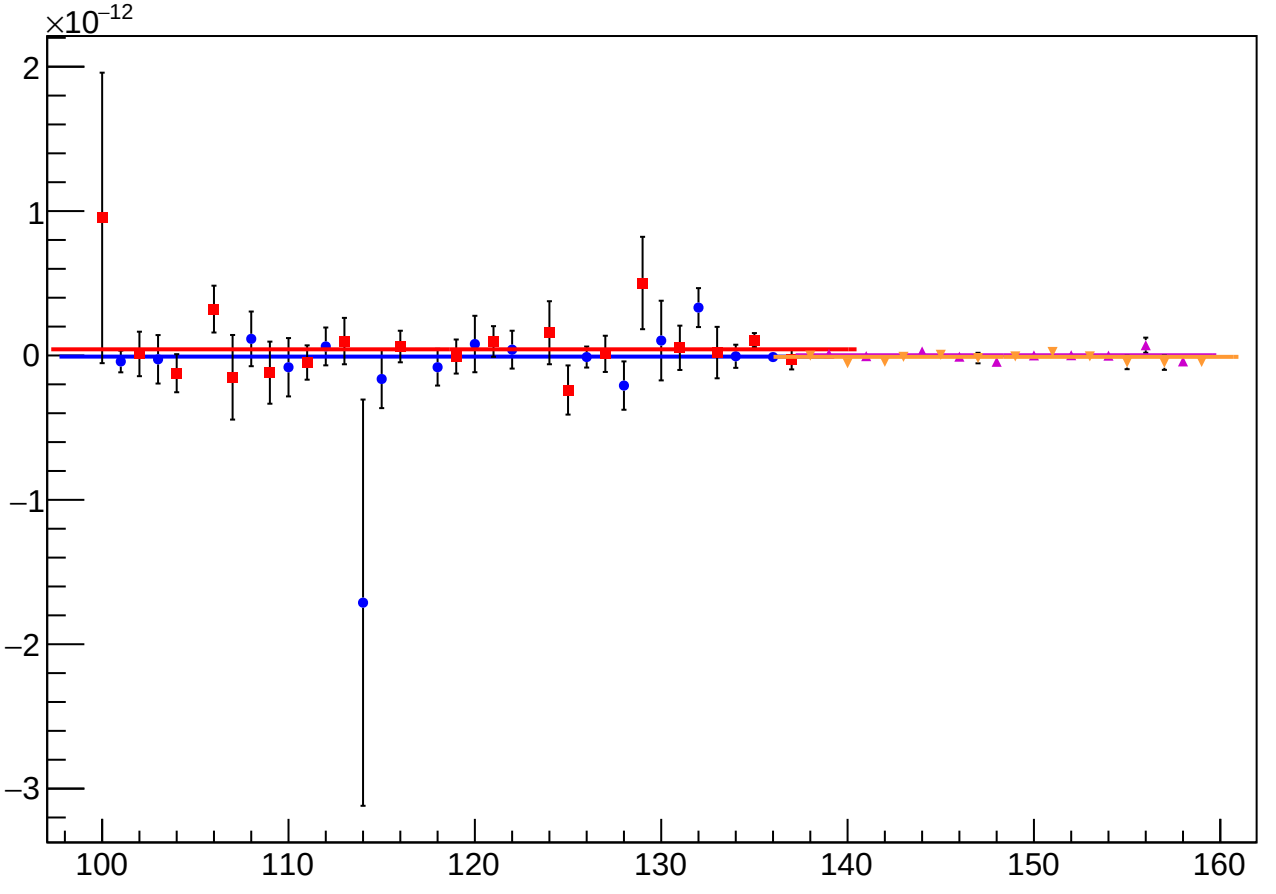
Left In: 572.027+/-0.143 χ^2/NDF:1130538.8/9

+ sign 688.304+/-0.129 χ^2/NDF: 4825056.9/27

All: 682.456+/-0.092 χ^2/NDF: 10291629.1/56

- sign 676.435+/-0.131 χ^2/NDF: 5462416.1/28

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

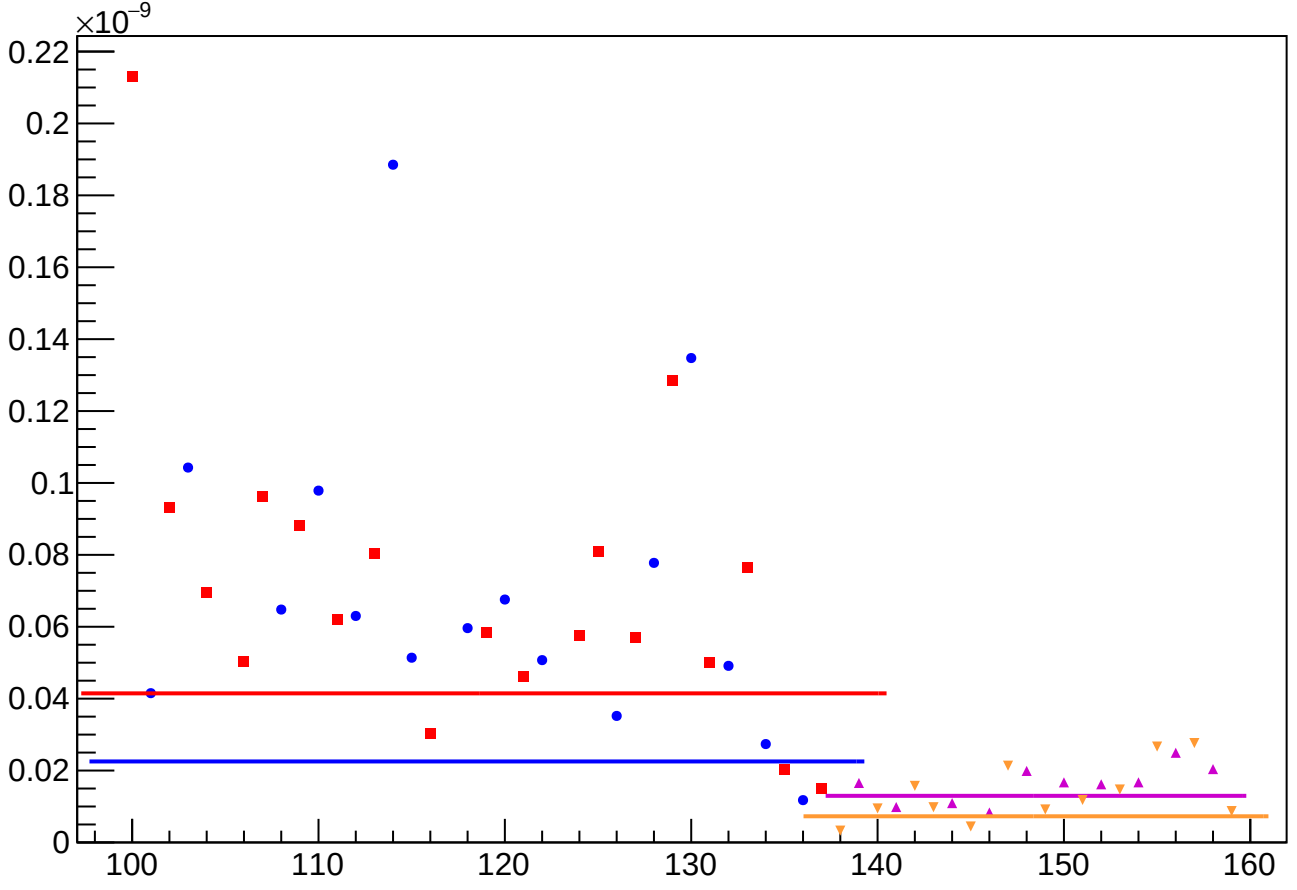
Left In: 0.000+/-0.000 χ^2/NDF:8.2/9

+ sign -0.000+/-0.000 χ^2/NDF: 29.5/27

All: -0.000+/-0.000 χ^2/NDF: 57.8/56

- sign 0.000+/-0.000 χ^2/NDF: 25.9/28

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1945591.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

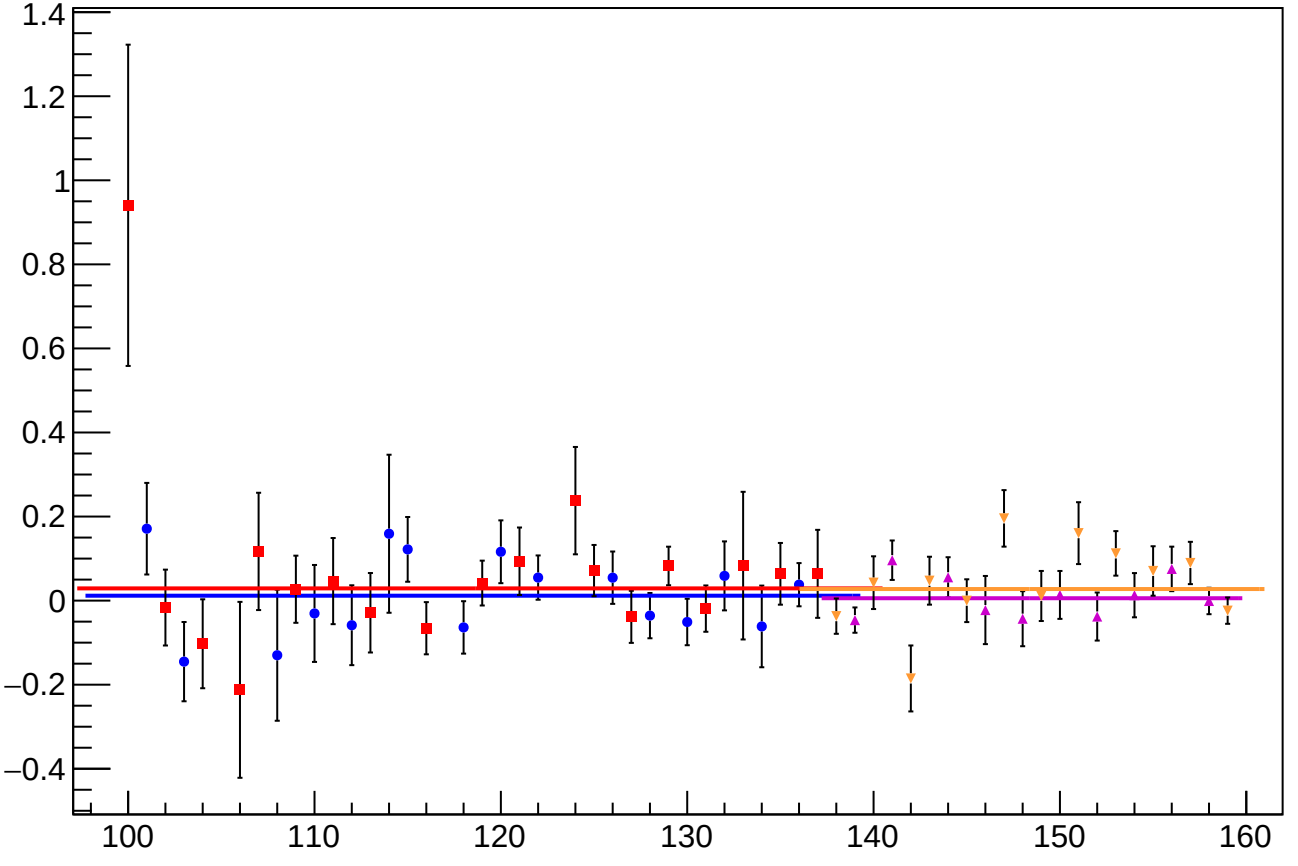
Left In: 0.000+/-0.000 χ^2/NDF:667582.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 6222342.2/27

All: 0.000+/-0.000 χ^2/NDF: 11910355.8/56

- sign 0.000+/-0.000 χ^2/NDF: 4570558.6/28

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

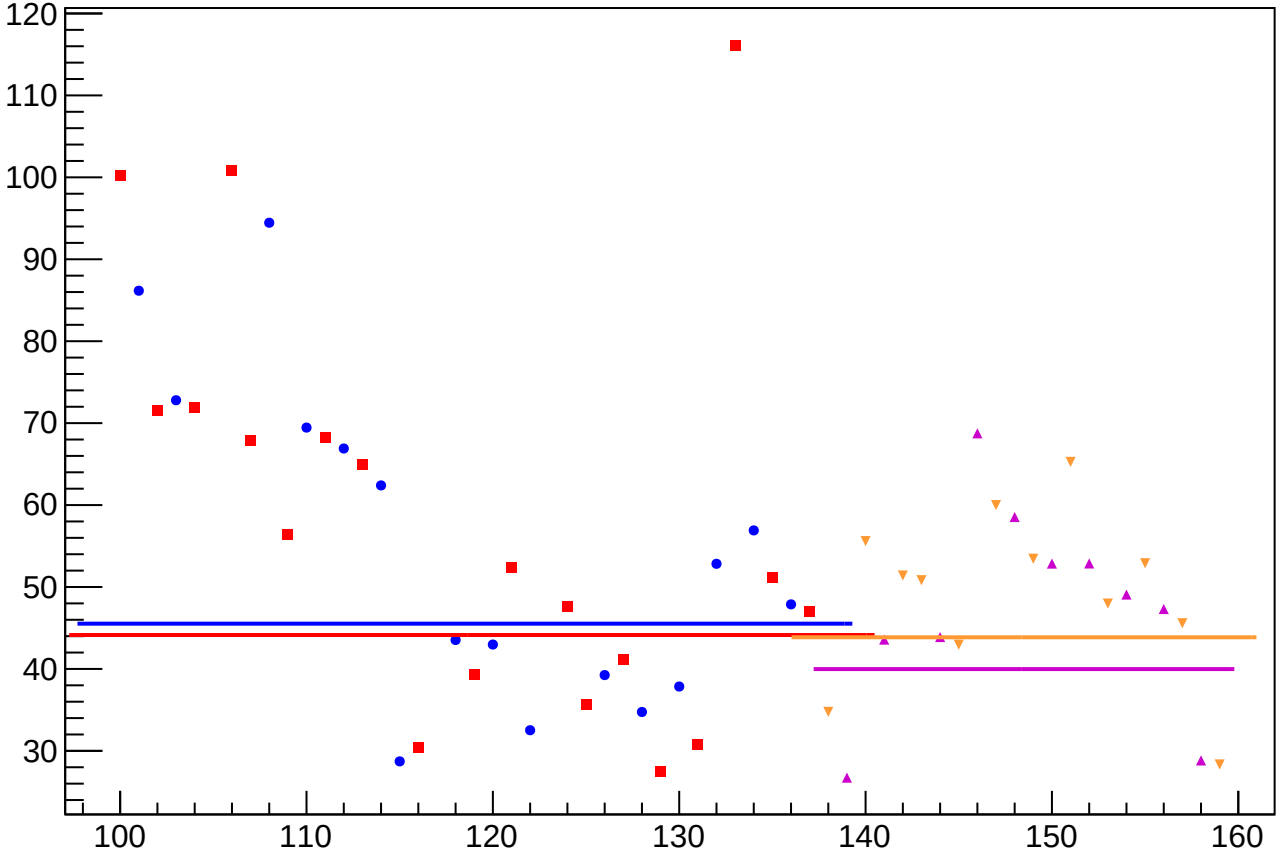
Left In: 0.006+/-0.015 χ^2/NDF:10.9/9

+ sign 0.021+/-0.012 χ^2/NDF: 44.4/27

All: 0.018+/-0.008 χ^2/NDF: 76.0/56

- sign 0.015+/-0.011 χ^2/NDF: 31.4/28

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

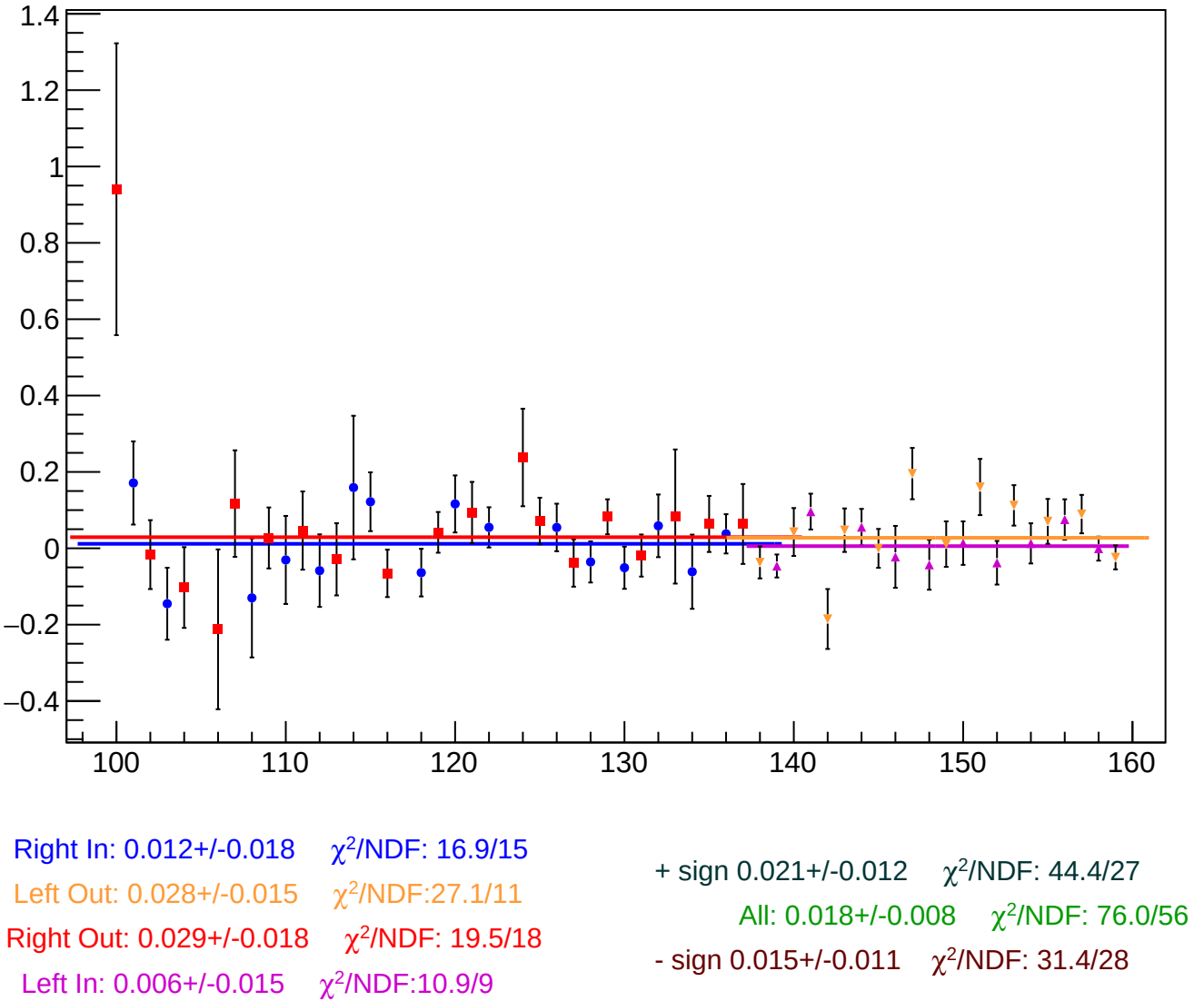
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

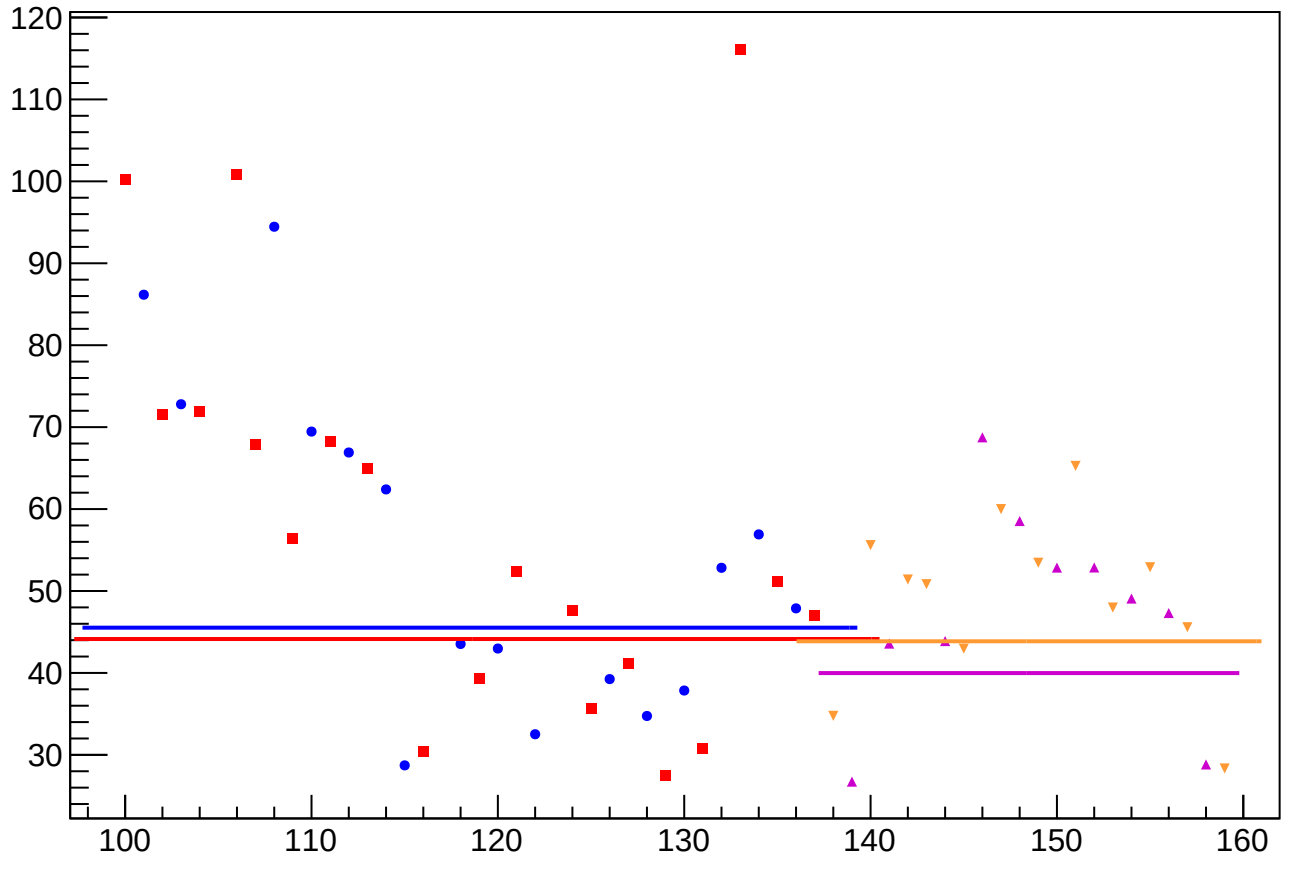
Left In: 39.983+/-0.010 χ^2/NDF:1377718.5/9

+ sign 44.532+/-0.008 χ^2/NDF: 2365623.1/27

All: 43.043+/-0.006 χ^2/NDF: 5615592.2/56

- sign 41.639+/-0.008 χ^2/NDF: 3186209.6/28


asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.012+/-0.018 χ²/NDF: 16.9/15
Left Out: 0.028+/-0.015 χ²/NDF:27.1/11
Right Out: 0.029+/-0.018 χ²/NDF: 19.5/18
Left In: 0.006+/-0.015 χ²/NDF:10.9/9
+ sign 0.021+/-0.012 χ²/NDF: 44.4/27
All: 0.018+/-0.008 χ²/NDF: 76.0/56
- sign 0.015+/-0.011 χ²/NDF: 31.4/28



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.863+/-0.011 χ^2/NDF:1101819.4/11

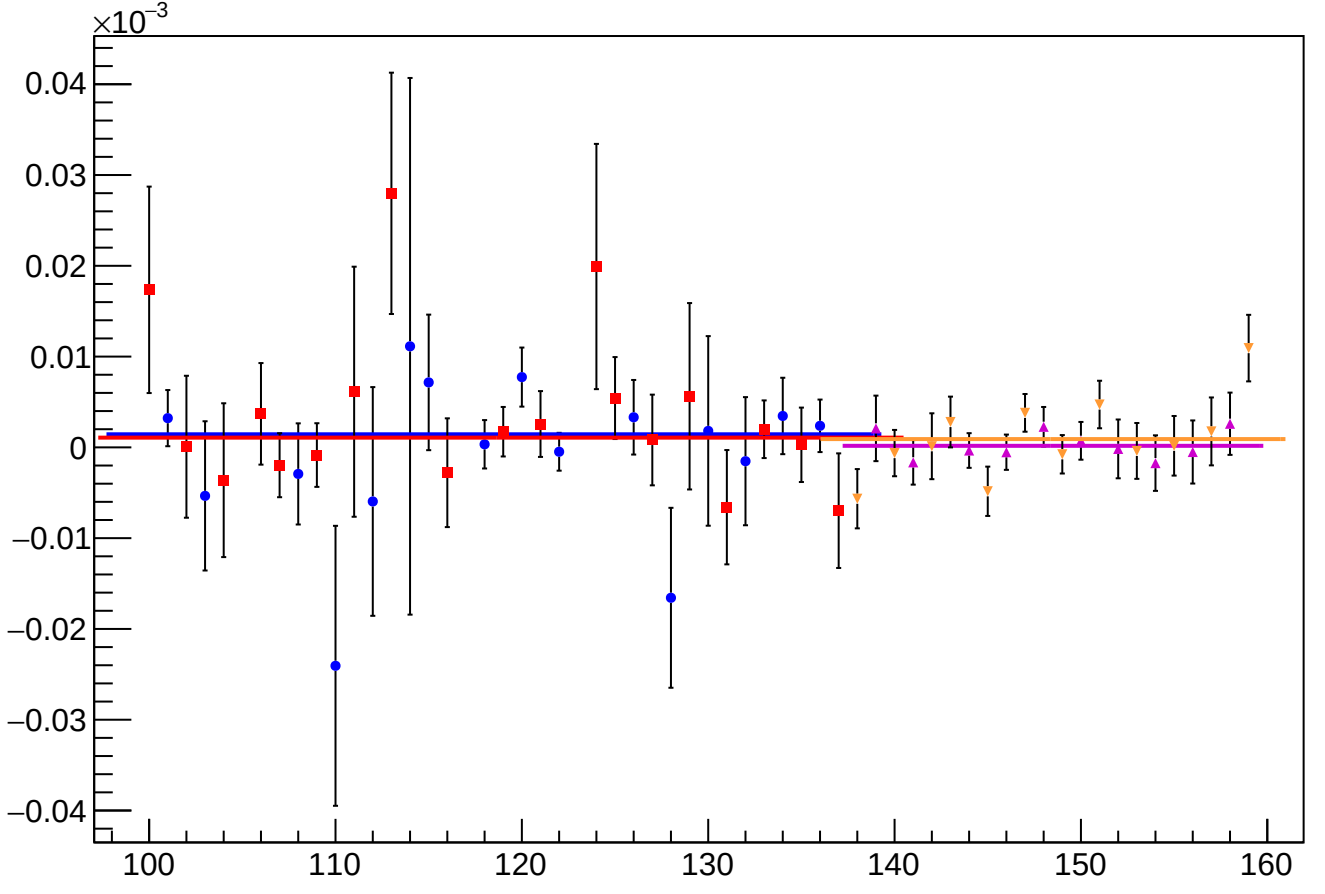
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.983+/-0.010 χ^2/NDF:1377718.5/9

+ sign 44.532+/-0.008 χ^2/NDF: 2365623.1/27

All: 43.043+/-0.006 χ^2/NDF: 5615592.2/56

- sign 41.639+/-0.008 χ^2/NDF: 3186209.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/11

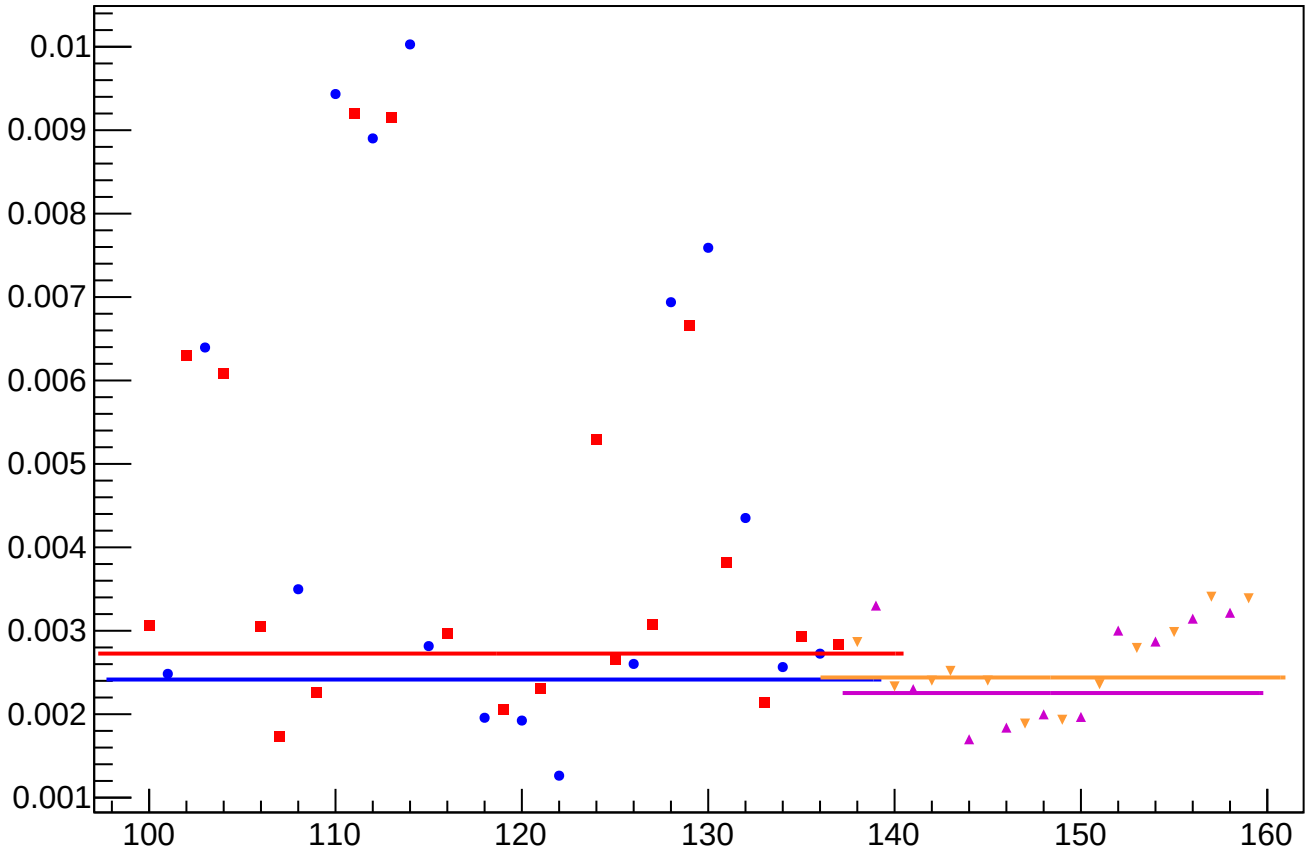
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/27

All: 0.000+/-0.000 χ^2/NDF: 54.9/56

- sign 0.000+/-0.000 χ^2/NDF: 18.2/28



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:647280.1/11

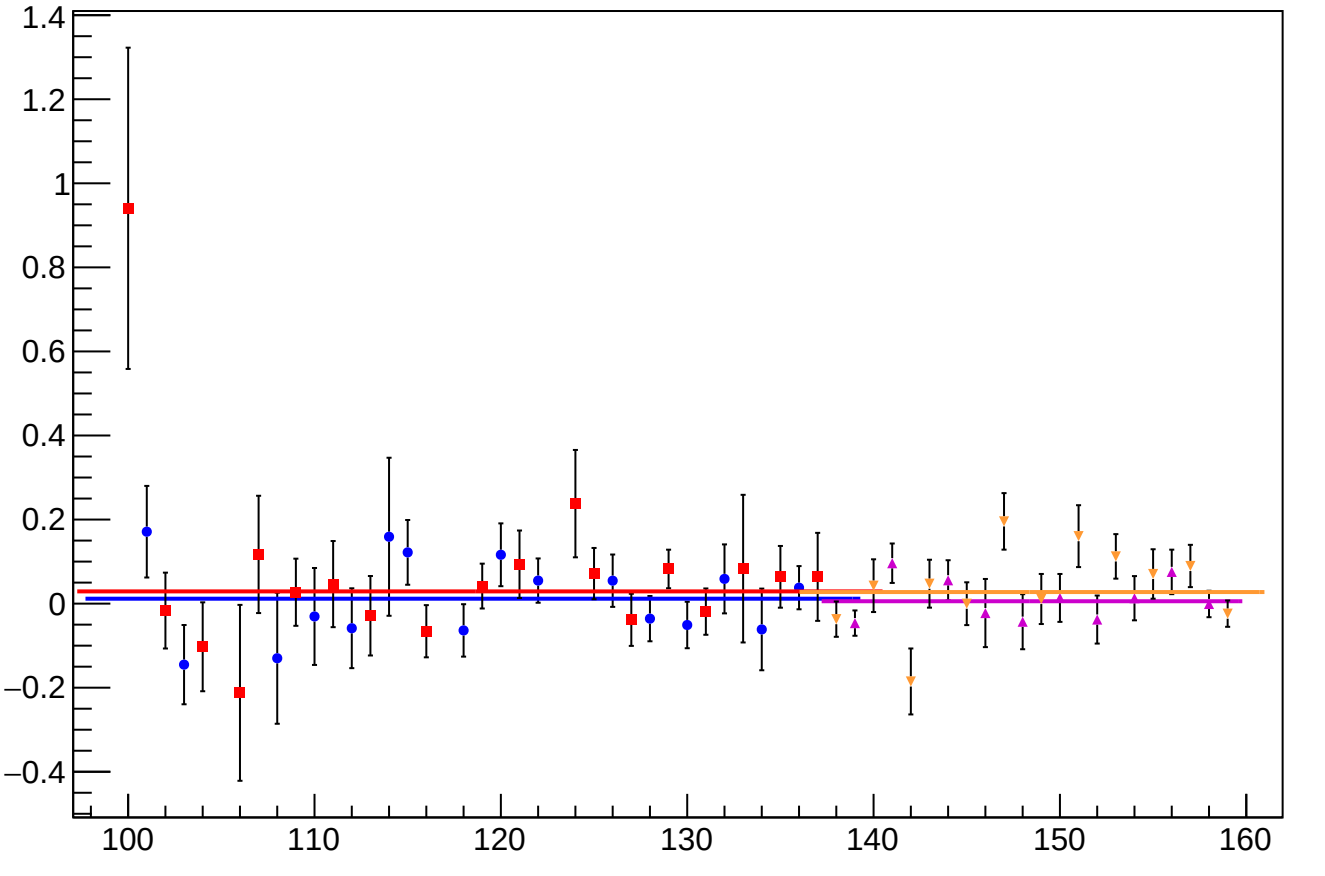
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:971550.8/9

+ sign 0.002+/-0.000 χ^2/NDF: 4080089.8/27

All: 0.002+/-0.000 χ^2/NDF: 7794786.4/56

- sign 0.002+/-0.000 χ^2/NDF: 3713735.5/28



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.028+/-0.015 χ^2/NDF:27.1/11

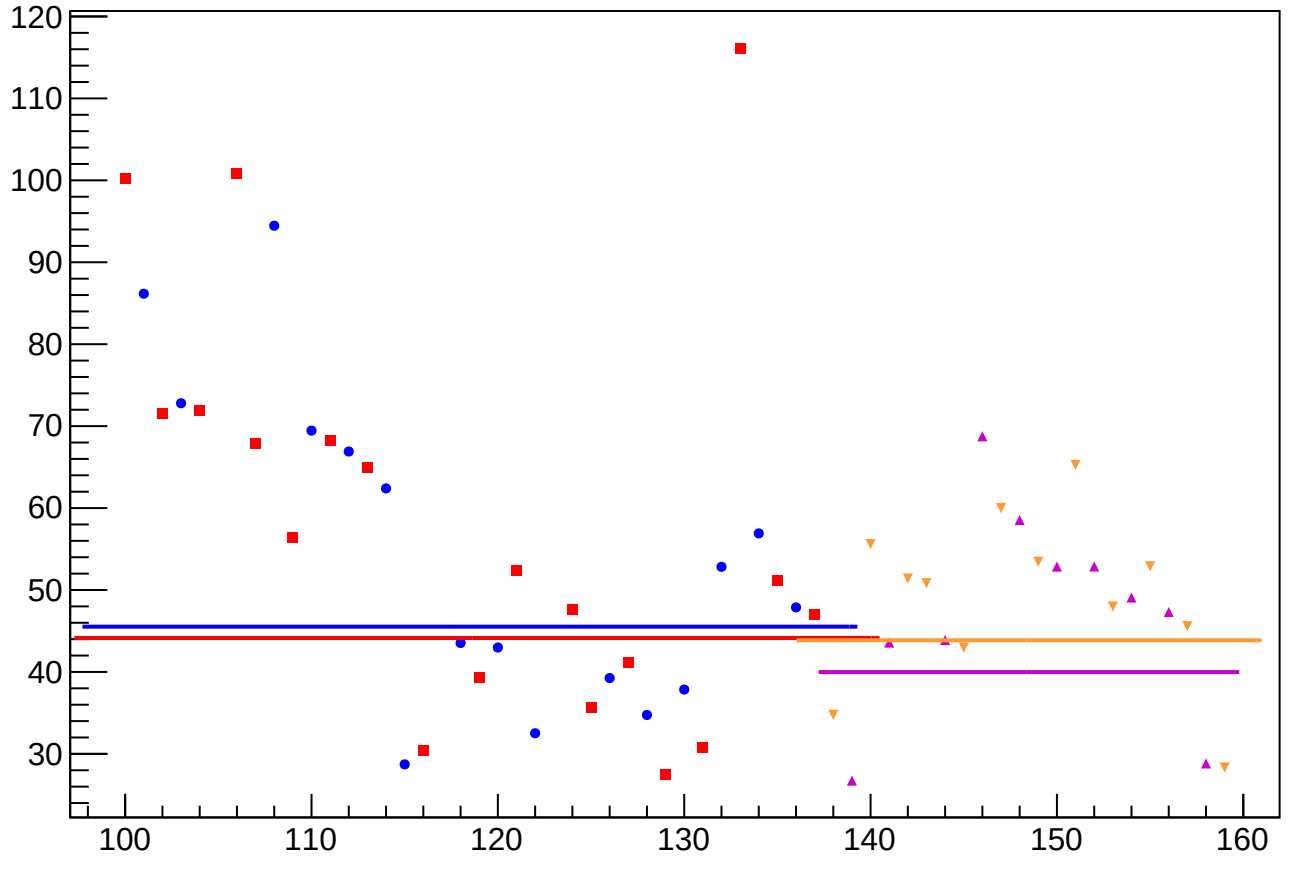
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.015 χ^2/NDF:10.9/9

+ sign 0.021+/-0.012 χ^2/NDF: 44.4/27

All: 0.018+/-0.008 χ^2/NDF: 76.0/56

- sign 0.015+/-0.011 χ^2/NDF: 31.4/28



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

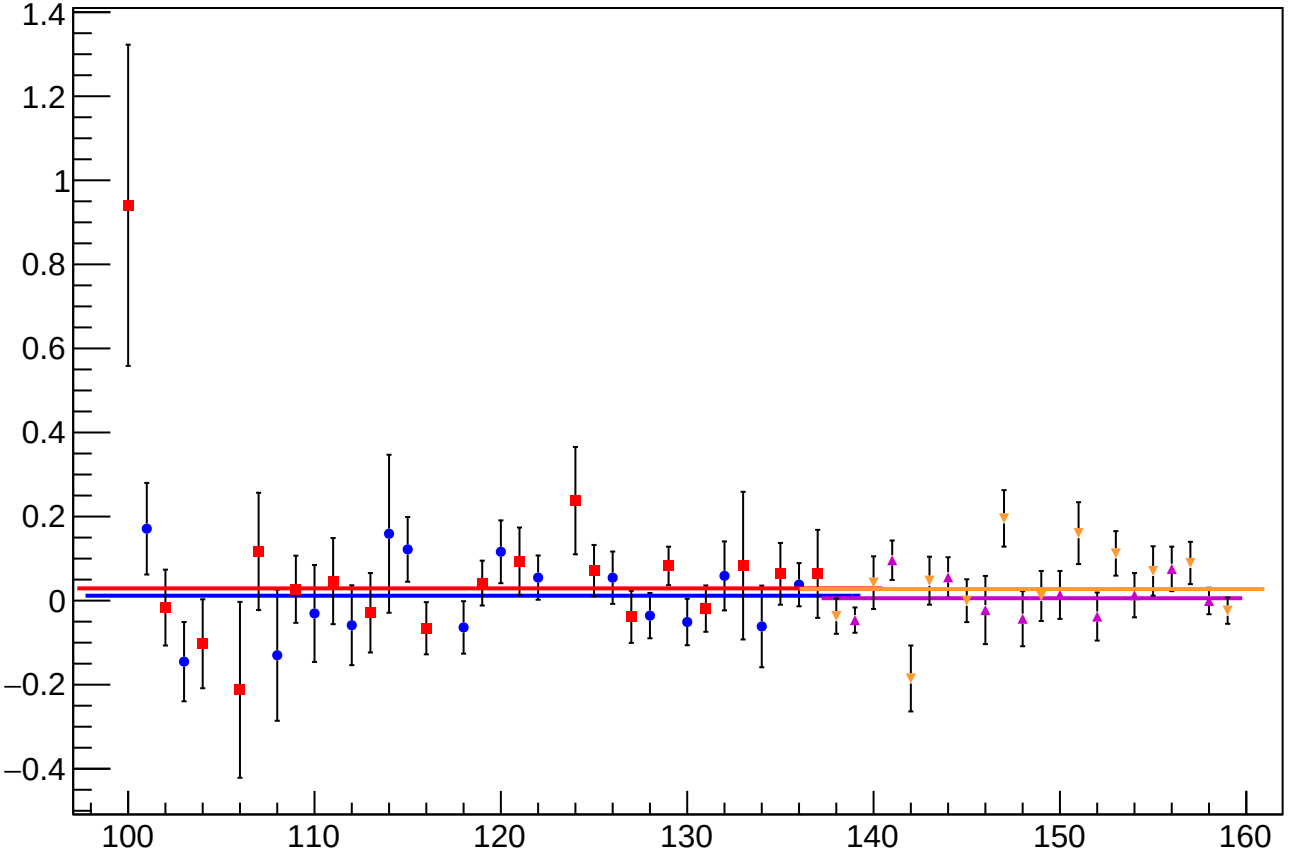
Left In: 39.983+/-0.010 χ^2/NDF:1377774.9/9

+ sign 44.532+/-0.008 χ^2/NDF: 2365623.7/27

All: 43.043+/-0.006 χ^2/NDF: 5615574.6/56

- sign 41.639+/-0.008 χ^2/NDF: 3186194.1/28

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

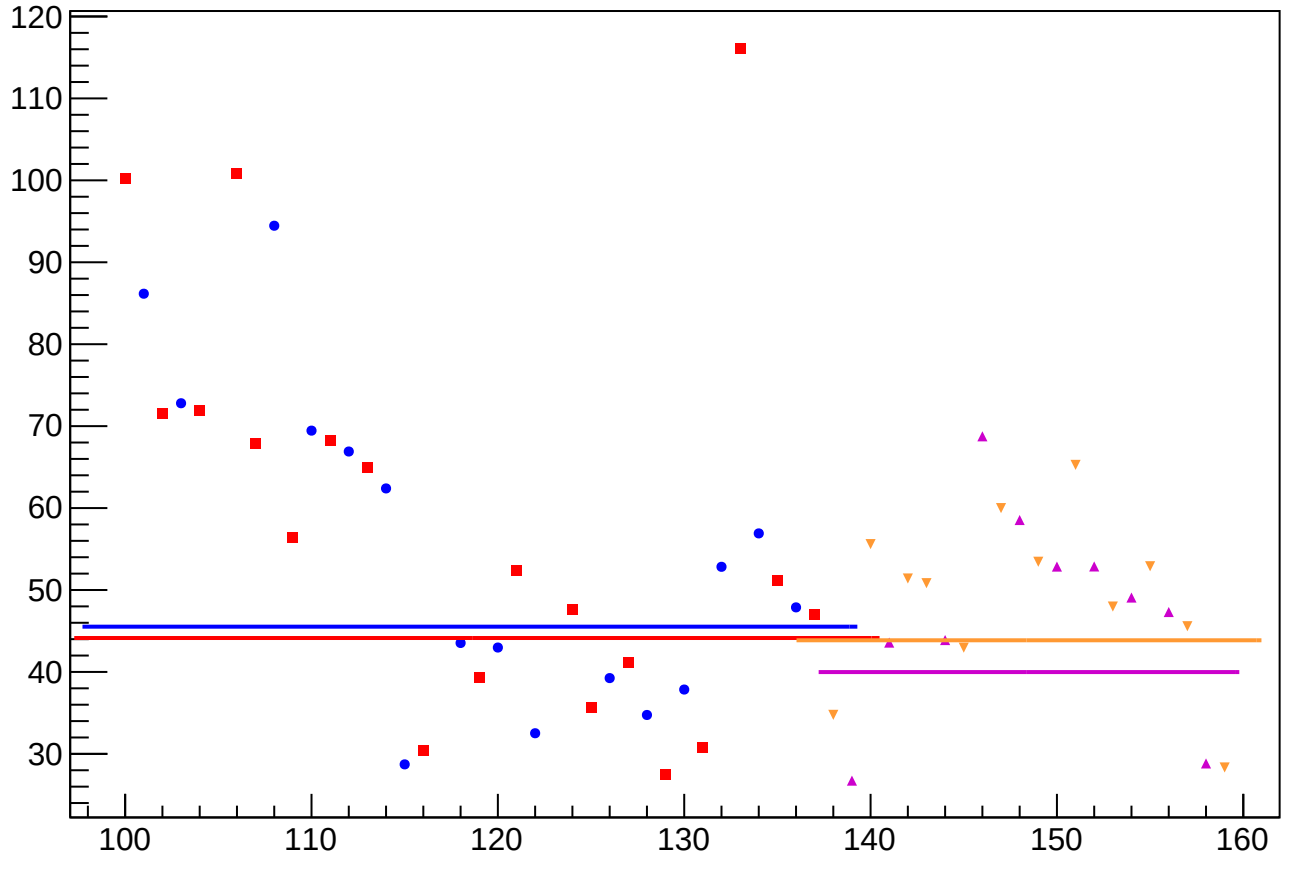
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.006+/-0.015 χ^2/NDF:10.9/9

+ sign 0.021+/-0.012 χ^2/NDF: 44.4/27

All: 0.018+/-0.008 χ^2/NDF: 76.0/56

- sign 0.015+/-0.011 χ^2/NDF: 31.4/28



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.863+/-0.011 χ^2/NDF:1101868.3/11

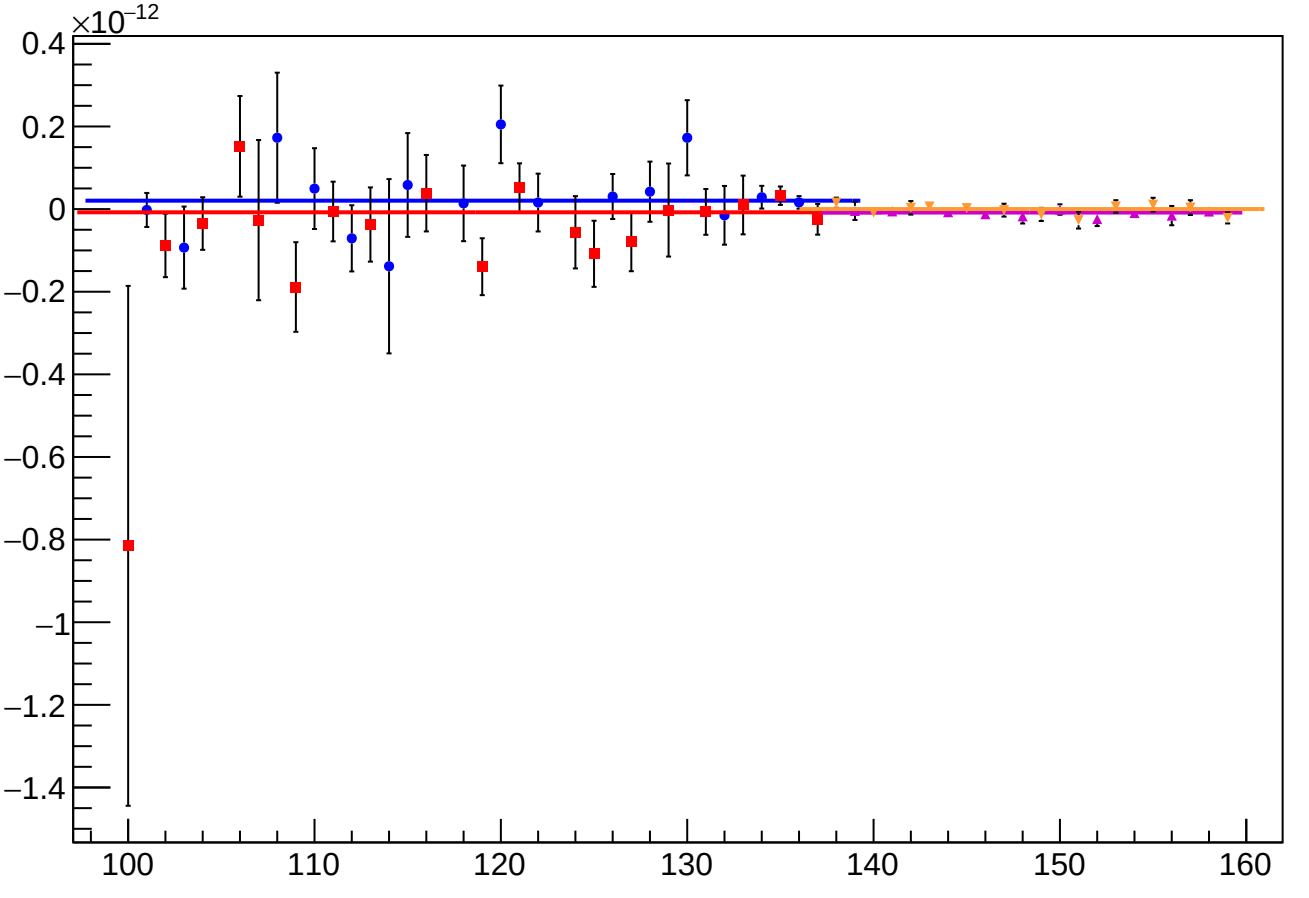
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.983+/-0.010 χ^2/NDF:1377774.9/9

+ sign 44.532+/-0.008 χ^2/NDF: 2365623.7/27

All: 43.043+/-0.006 χ^2/NDF: 5615574.6/56

- sign 41.639+/-0.008 χ^2/NDF: 3186194.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/11

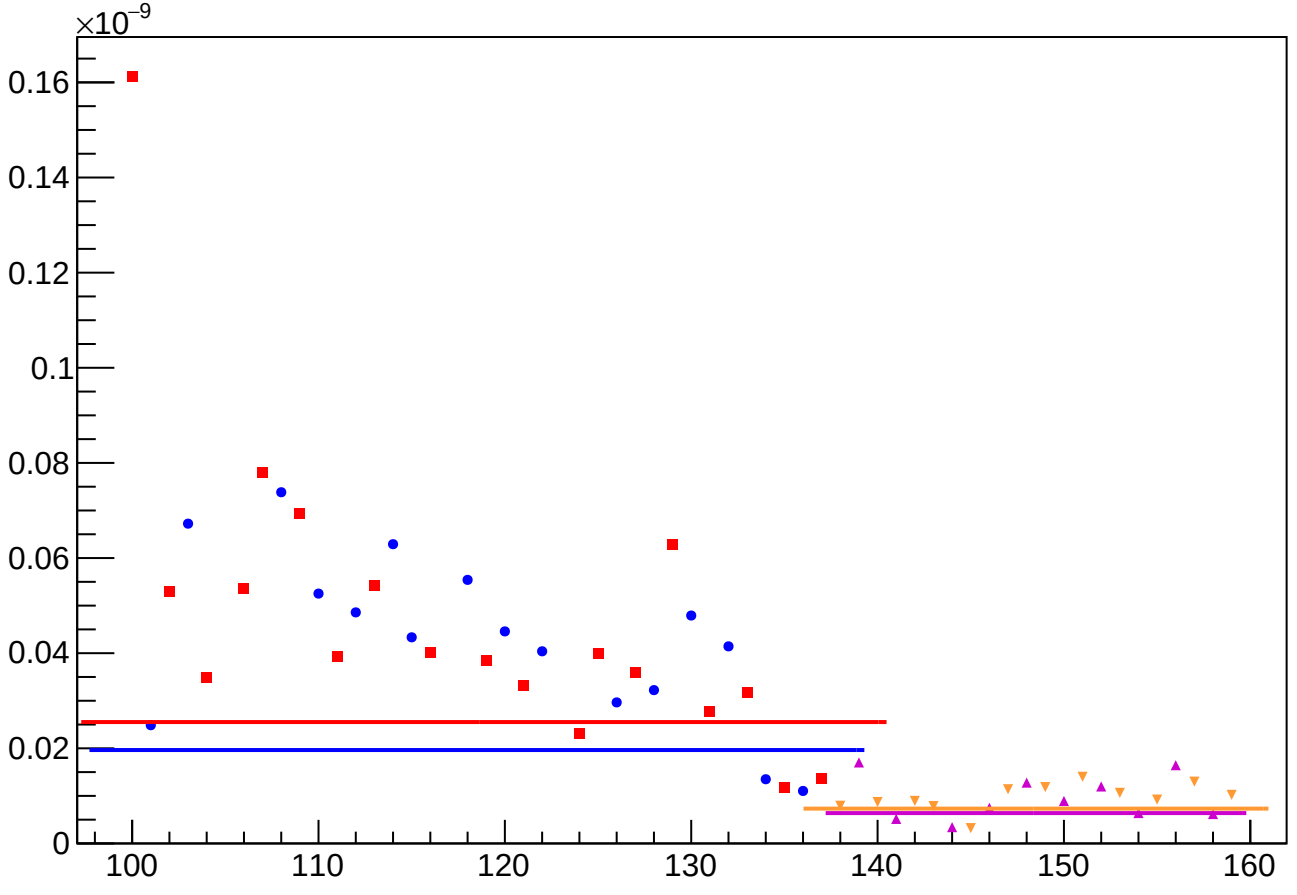
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/27

All: -0.000+/-0.000 χ^2/NDF: 48.7/56

- sign -0.000+/-0.000 χ^2/NDF: 20.8/28



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

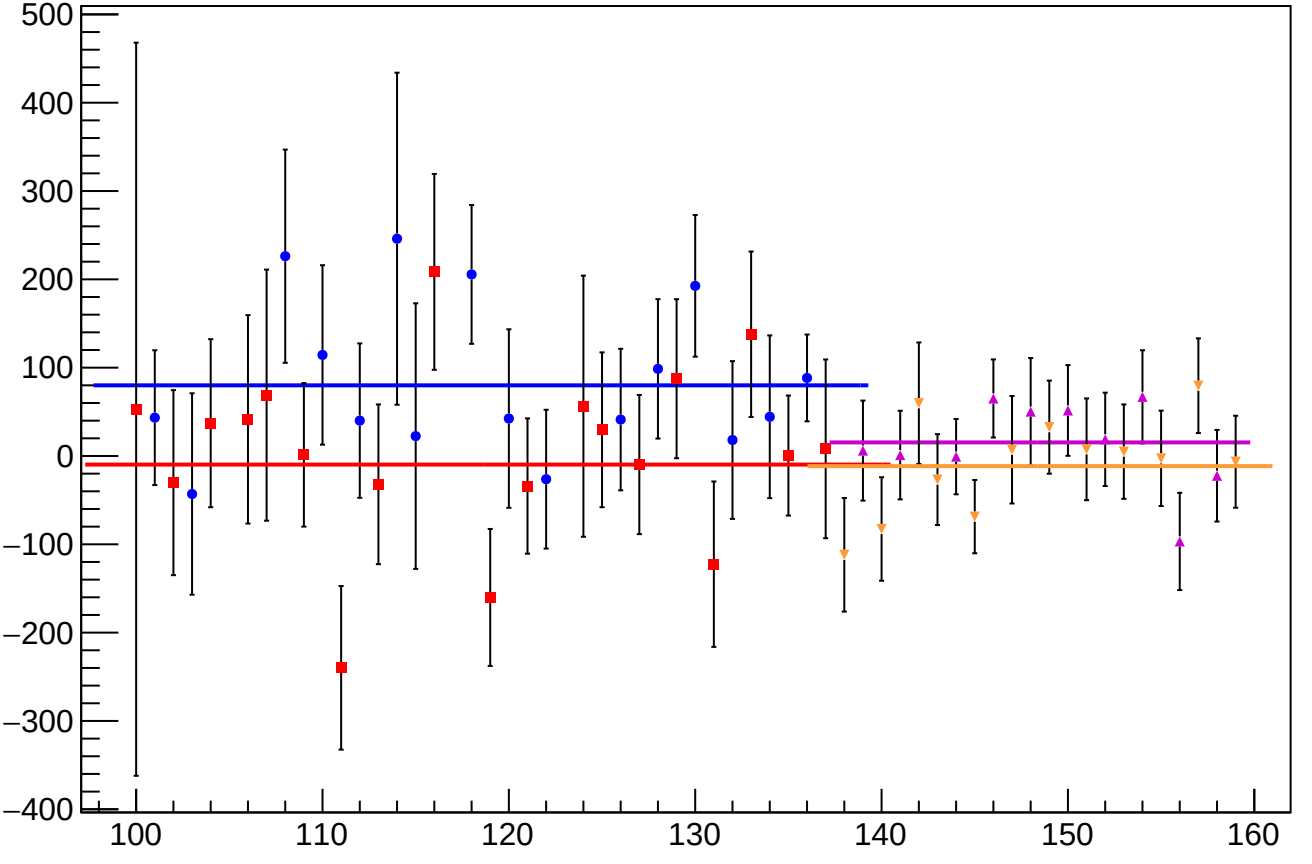
Left In: 0.000+/-0.000 χ^2/NDF:2003554.9/9

+ sign 0.000+/-0.000 χ^2/NDF: 7527025.6/27

All: 0.000+/-0.000 χ^2/NDF: 16000140.2/56

- sign 0.000+/-0.000 χ^2/NDF: 8393314.5/28

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

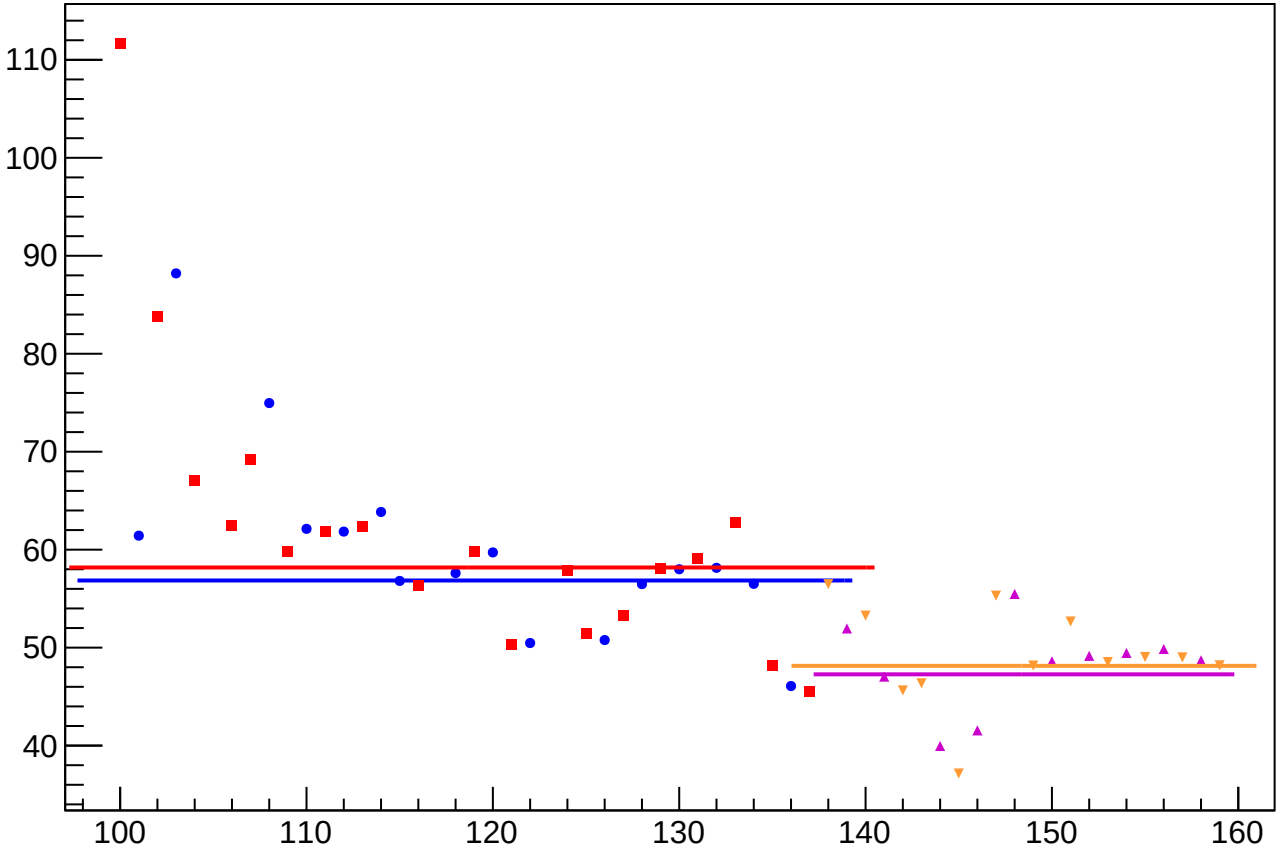
Left In: 15.367+/-16.135 χ^2/NDF:8.0/9

+ sign 20.441+/-12.687 χ^2/NDF: 34.3/27

All: 13.548+/-9.056 χ^2/NDF: 64.0/56

- sign 6.388+/-12.930 χ^2/NDF: 29.2/28

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

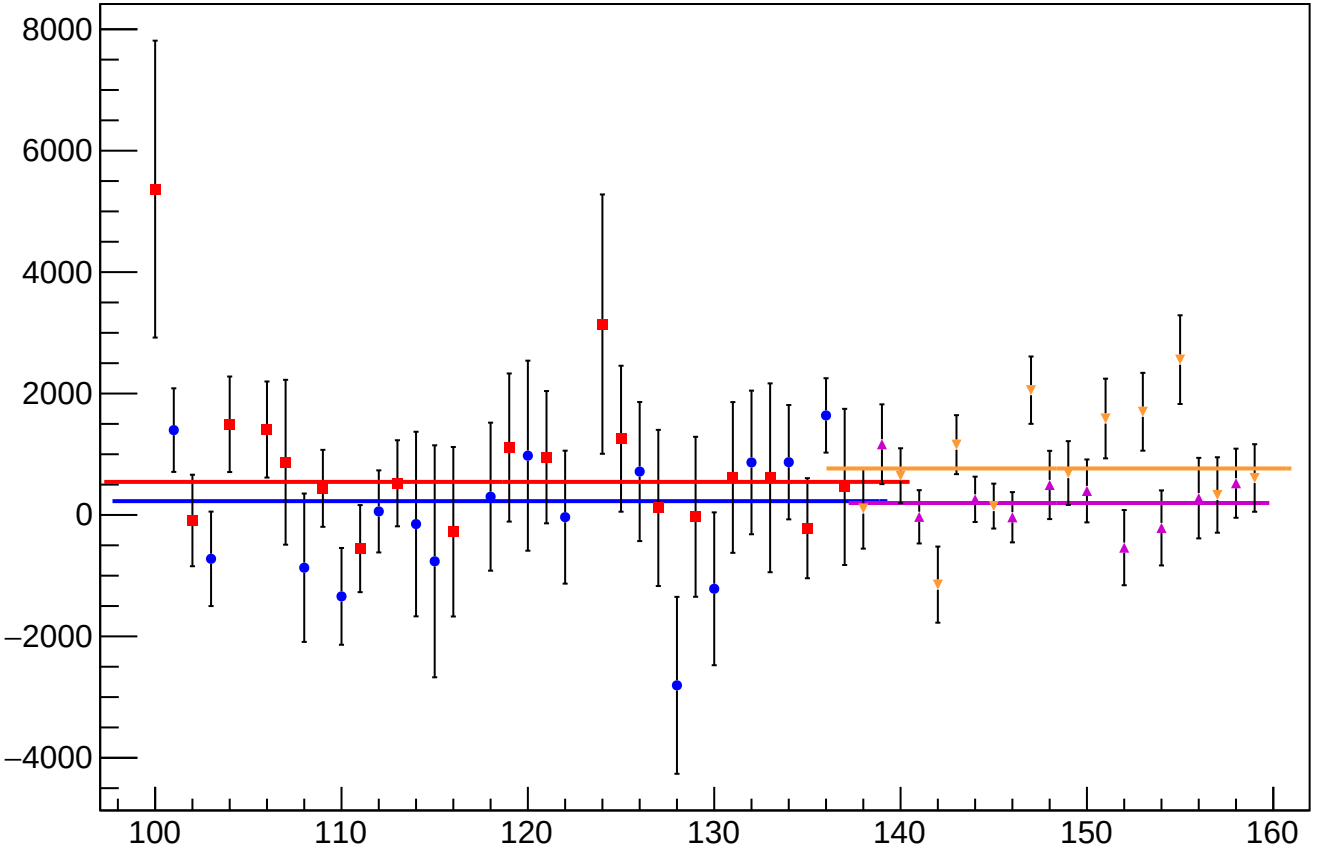
Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

+ sign 51.182+/-0.009 χ^2/NDF: 791623.3/27

All: 51.180+/-0.006 χ^2/NDF: 1589075.6/56

- sign 51.177+/-0.009 χ^2/NDF: 797452.1/28

asym_sam_15_48_dd_reg_correction_mean vs Slug



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

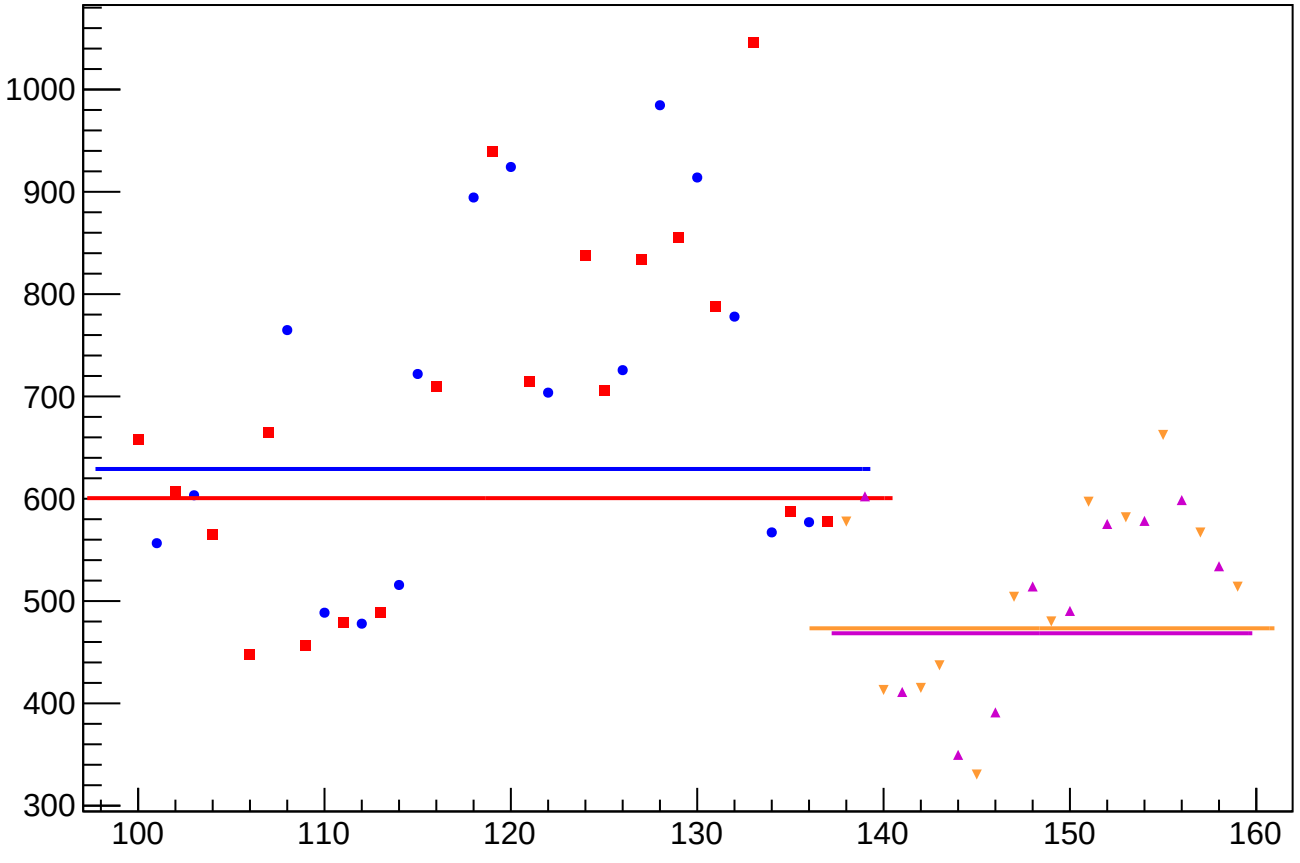
Left In: 197.048+/-162.244 χ^2/NDF:5.4/9

+ sign 605.585+/-131.551 χ^2/NDF: 54.7/27

All: 460.563+/-93.194 χ^2/NDF: 77.5/56

- sign 314.453+/-132.043 χ^2/NDF: 20.3/28

asym_sam_15_48_dd_reg_correction_rms vs Slug



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

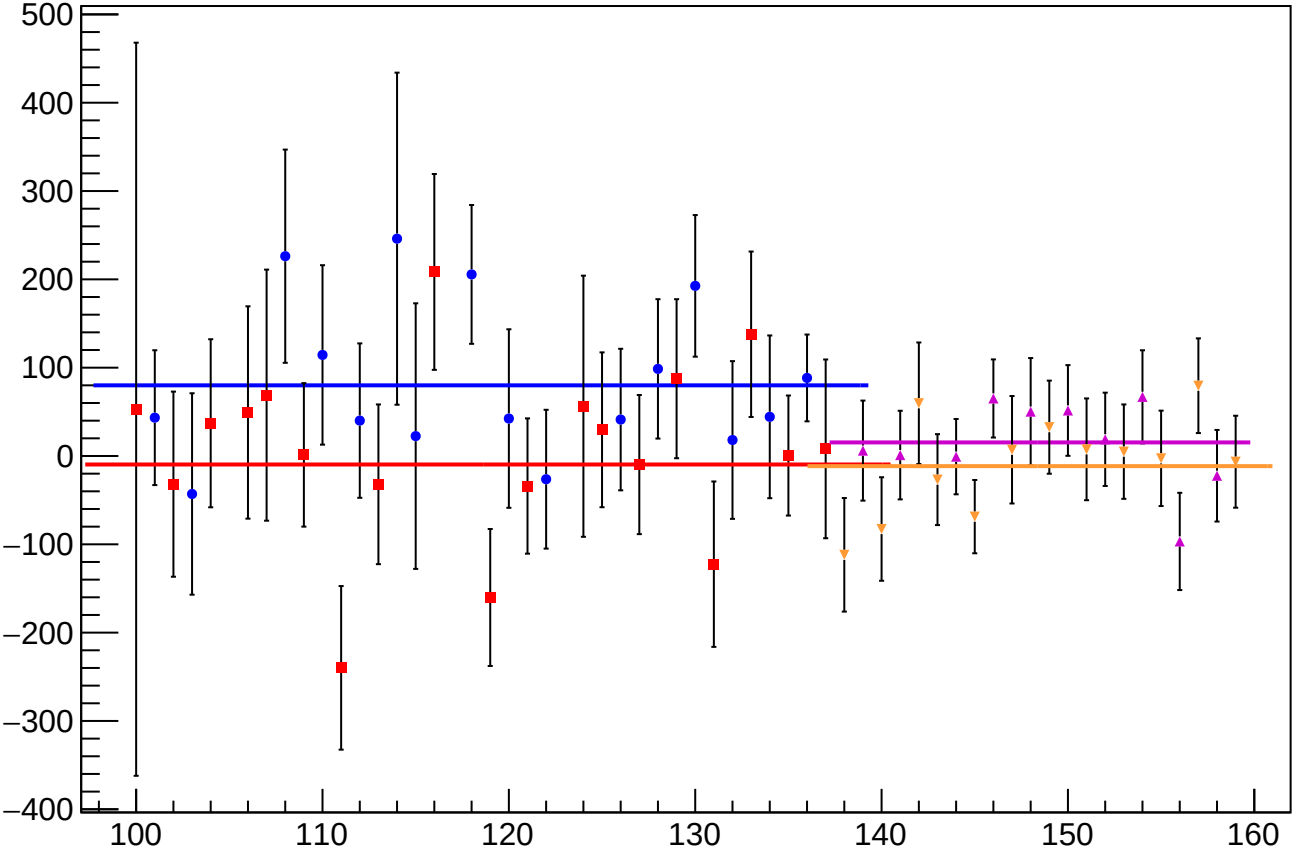
Left In: 468.526+/-0.115 χ^2/NDF:632589.7/9

\+ sign 519.693+/-0.093 χ^2/NDF: 2015554.3/27

All: 516.417+/-0.066 χ^2/NDF: 3972688.9/56

\- sign 513.117+/-0.093 χ^2/NDF: 1954645.0/28

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

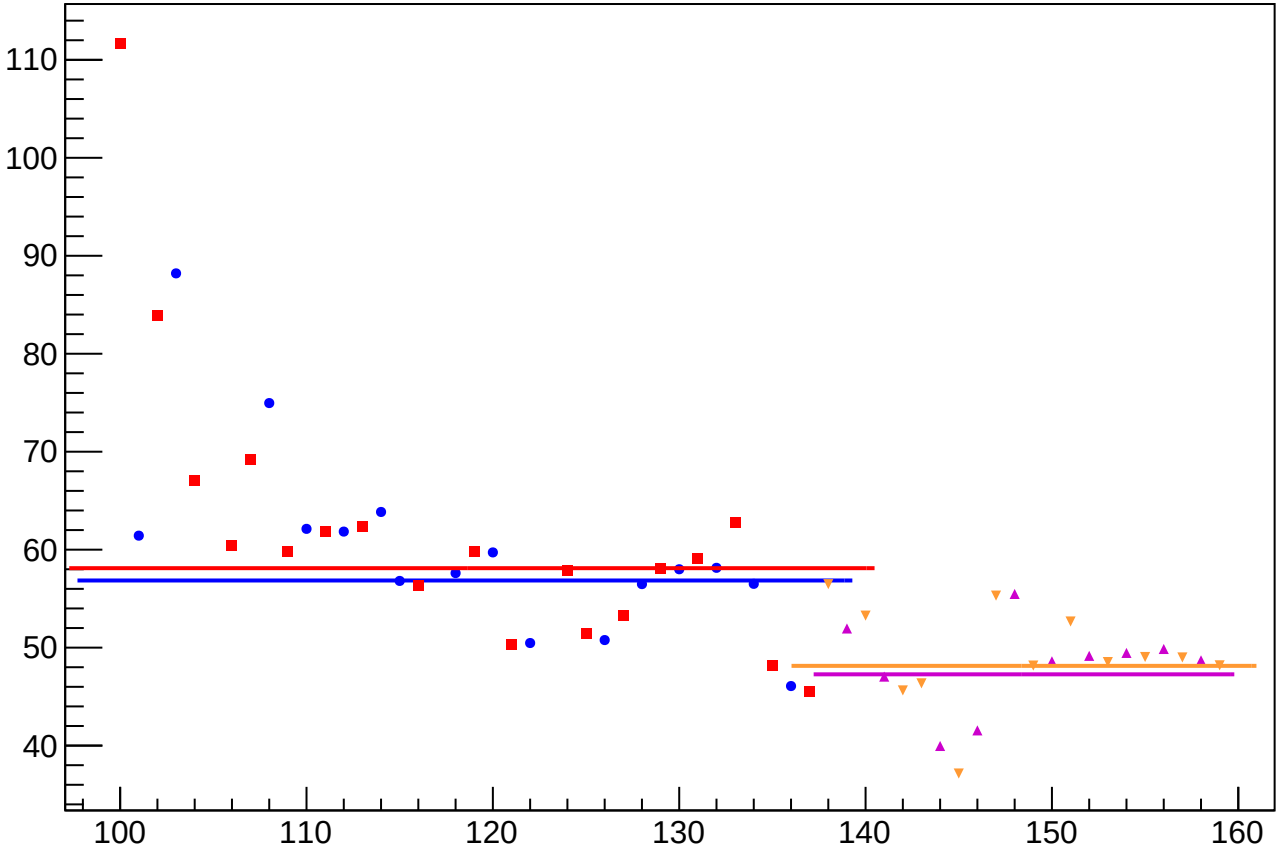
Left In: 15.368+/-16.135 χ^2/NDF:8.0/9

+ sign 20.442+/-12.687 χ^2/NDF: 34.3/27

All: 13.573+/-9.057 χ^2/NDF: 64.1/56

- sign 6.436+/-12.933 χ^2/NDF: 29.2/28

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

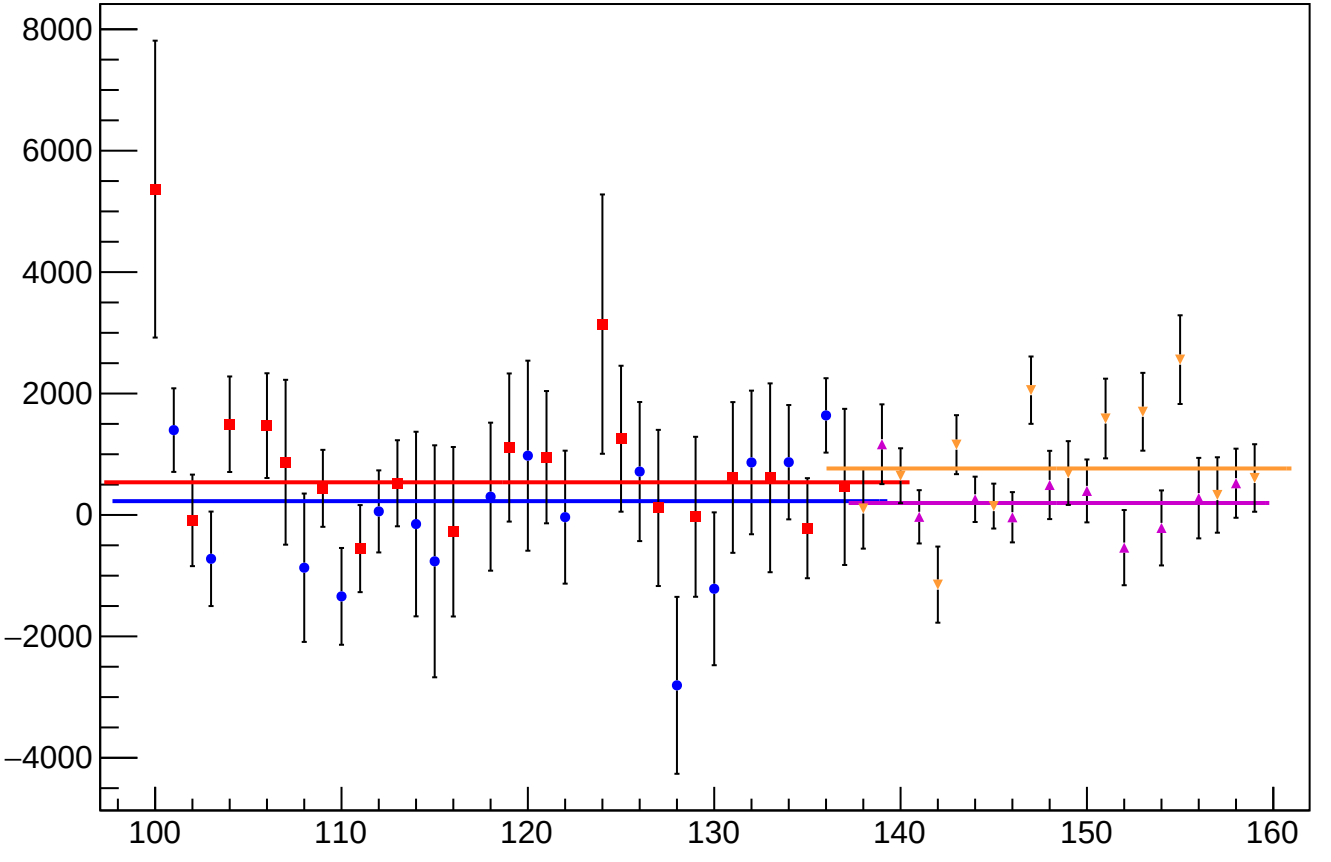
Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

+ sign 51.182+/-0.009 χ^2/NDF: 791627.3/27

All: 51.166+/-0.006 χ^2/NDF: 1582877.2/56

- sign 51.149+/-0.009 χ^2/NDF: 791243.2/28

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

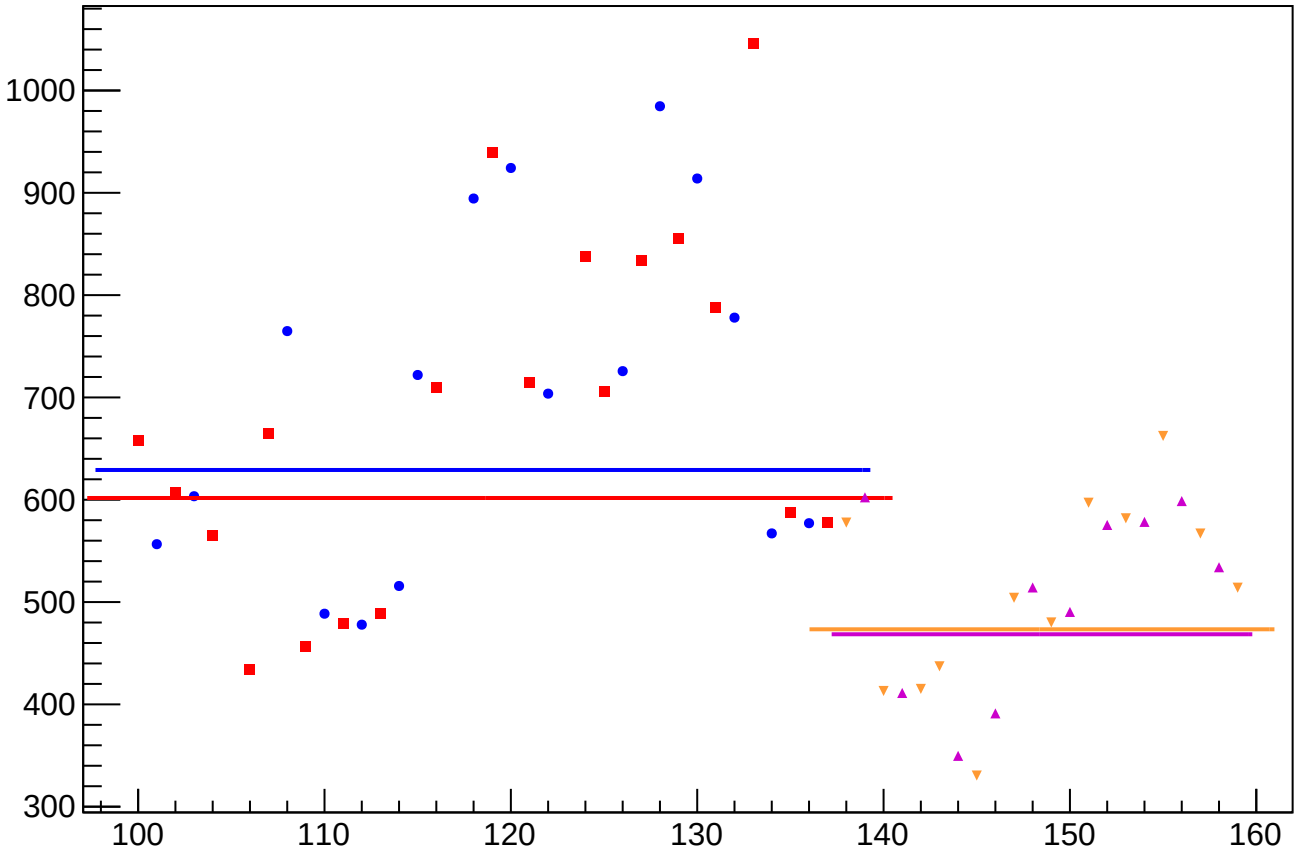
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 197.052+/-162.244 χ^2/NDF:5.4/9

+ sign 605.597+/-131.551 χ^2/NDF: 54.7/27

All: 459.276+/-93.297 χ^2/NDF: 77.4/56

- sign 311.200+/-132.338 χ^2/NDF: 20.2/28



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

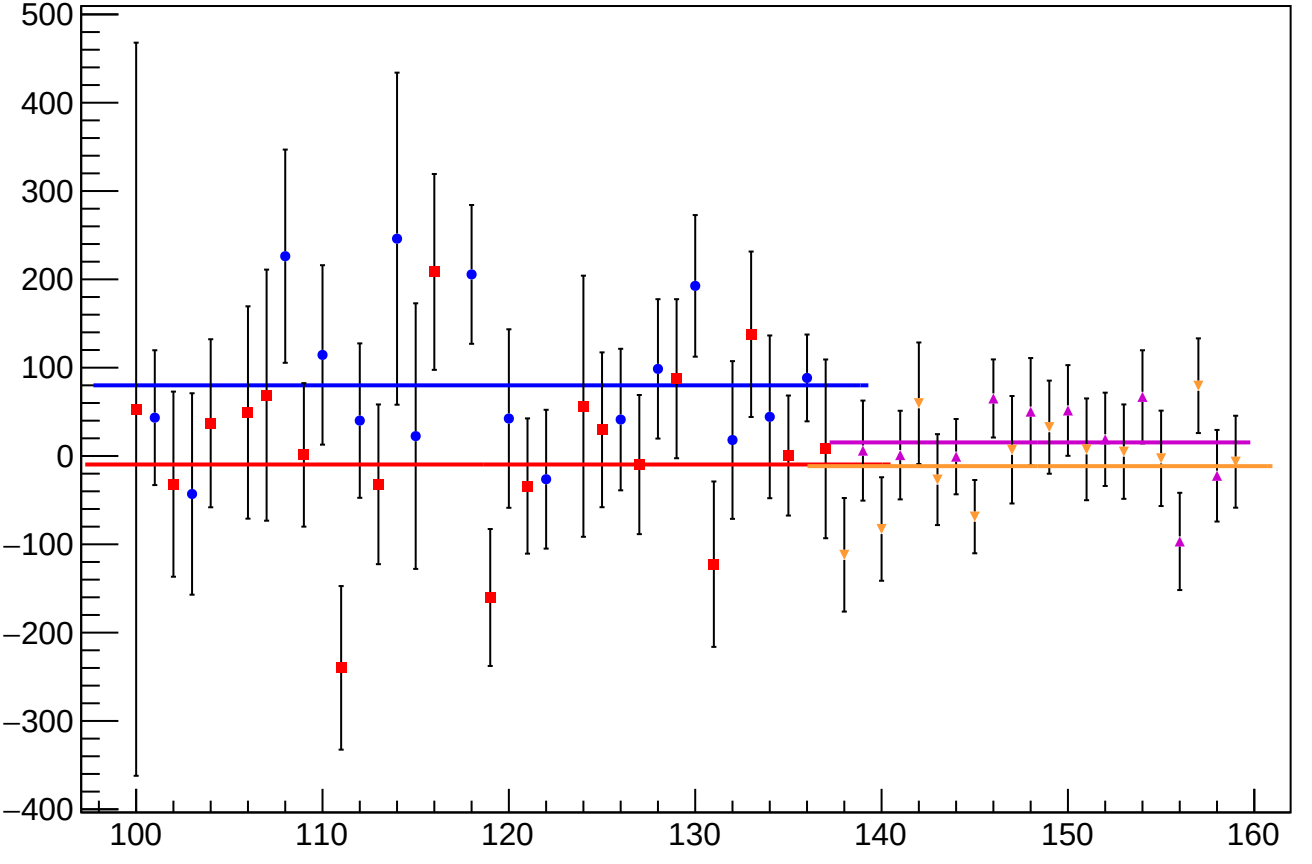
Left In: 468.526+/-0.115 χ^2/NDF:632588.4/9

\+ sign 519.694+/-0.093 χ^2/NDF: 2015579.0/27

All: 516.418+/-0.066 χ^2/NDF: 3975827.3/56

\- sign 513.104+/-0.094 χ^2/NDF: 1957753.7/28

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

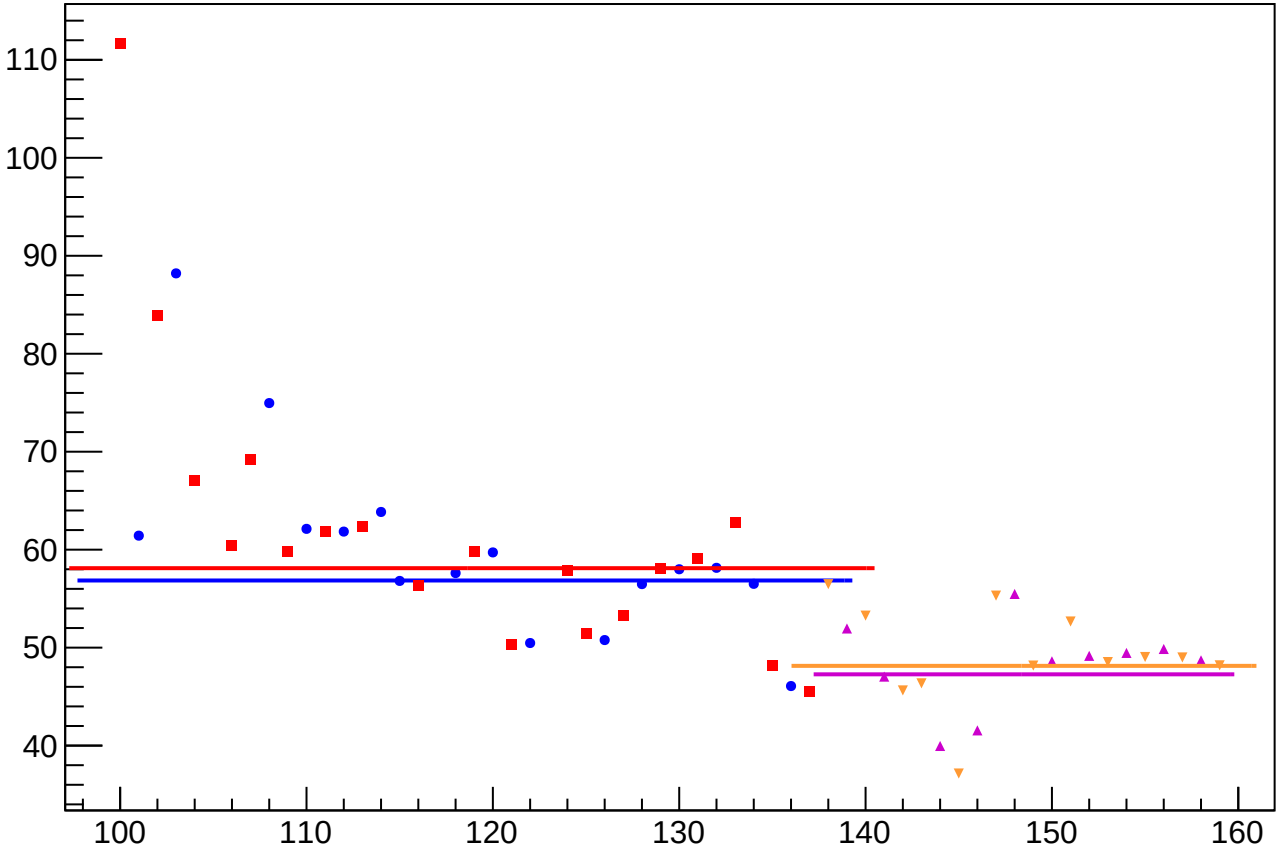
Left In: 15.368+/-16.135 χ^2/NDF:8.0/9

+ sign 20.442+/-12.687 χ^2/NDF: 34.3/27

All: 13.573+/-9.057 χ^2/NDF: 64.1/56

- sign 6.436+/-12.933 χ^2/NDF: 29.2/28

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

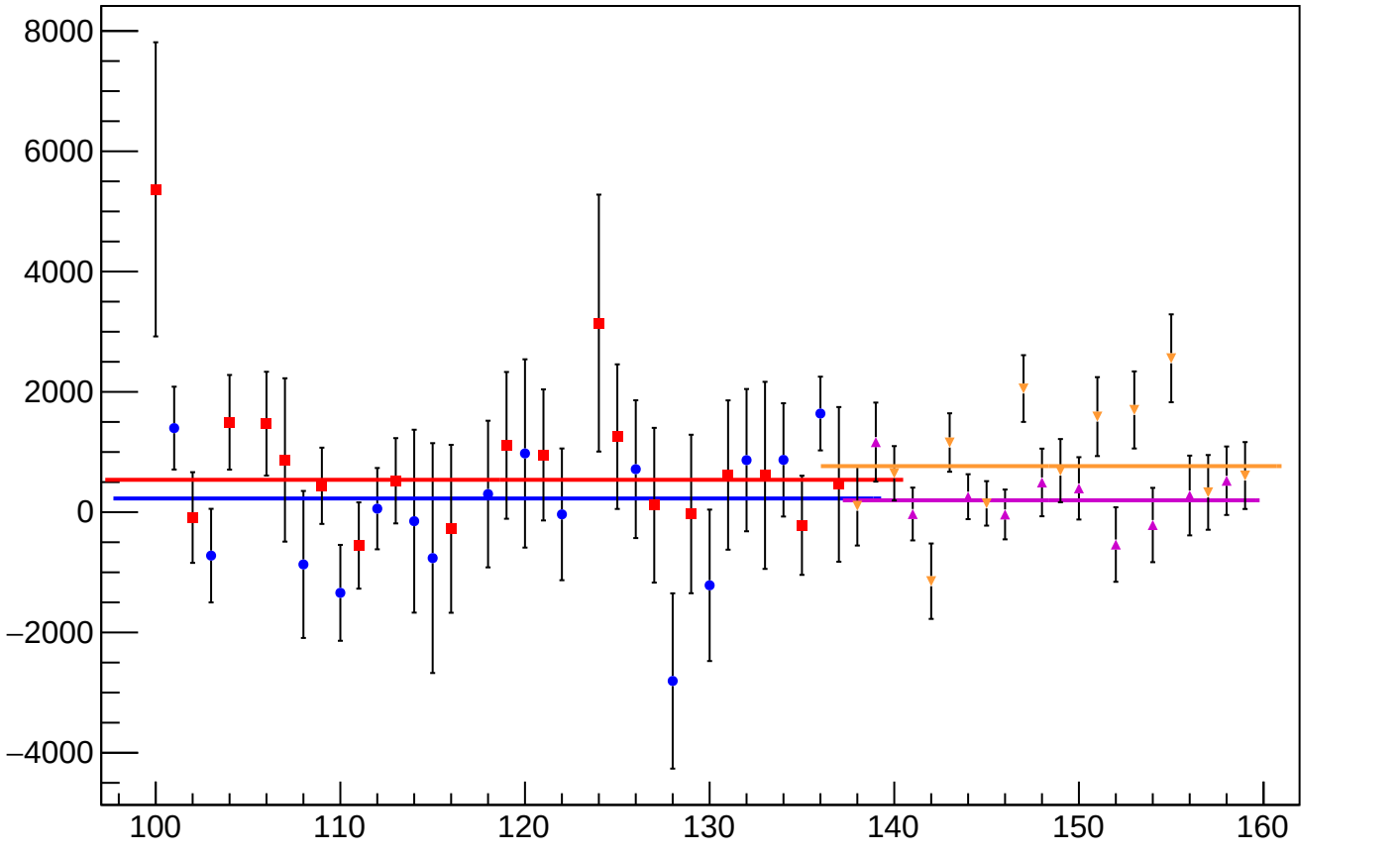
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.275+/-0.011 χ^2/NDF:155852.6/9

+ sign 51.182+/-0.009 χ^2/NDF: 791627.3/27

All: 51.166+/-0.006 χ^2/NDF: 1582877.2/56

- sign 51.149+/-0.009 χ^2/NDF: 791243.2/28



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 765.618+/-156.942 χ^2/NDF:29.6/11

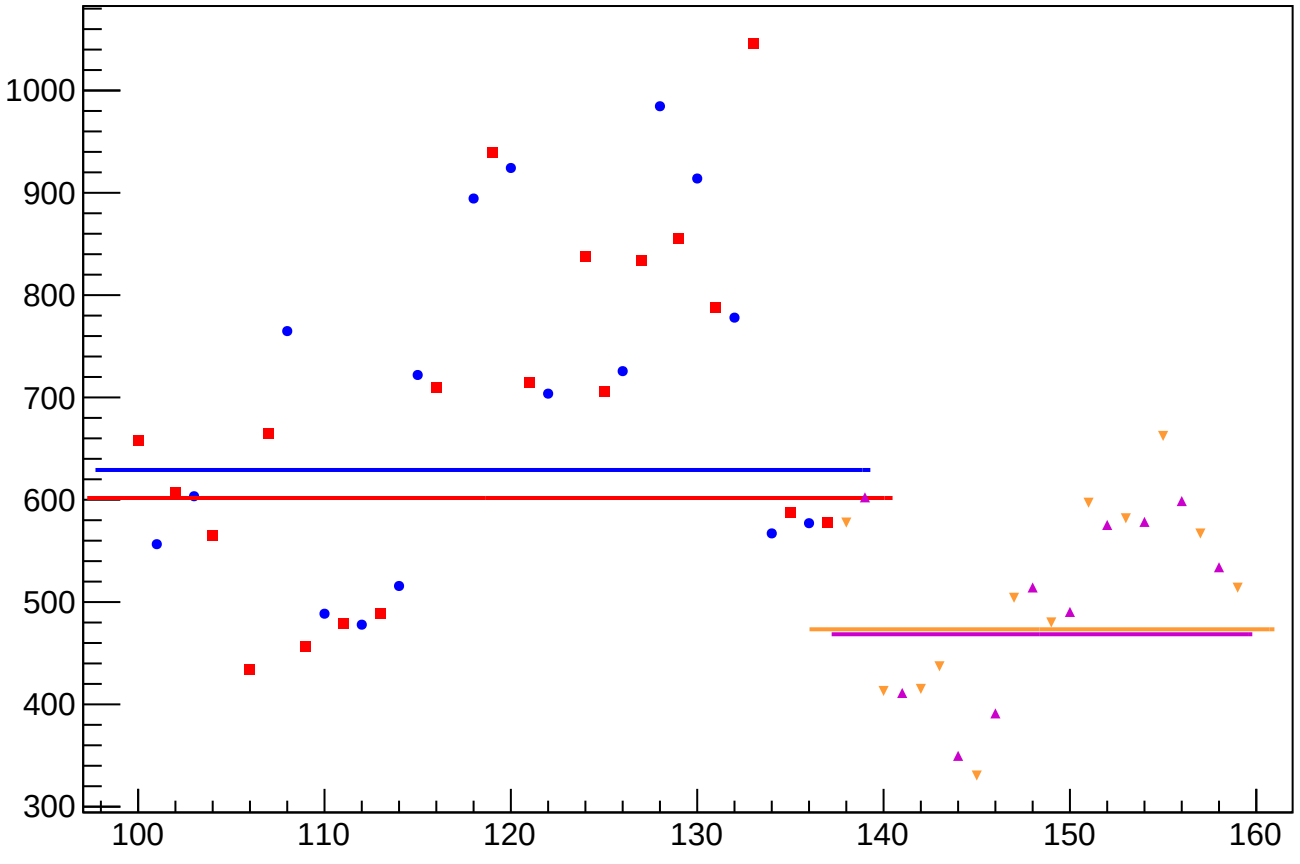
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 197.052+/-162.244 χ^2/NDF:5.4/9

\+ sign 605.597+/-131.551 χ^2/NDF: 54.7/27

All: 459.276+/-93.297 χ^2/NDF: 77.4/56

\- sign 311.200+/-132.338 χ^2/NDF: 20.2/28



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

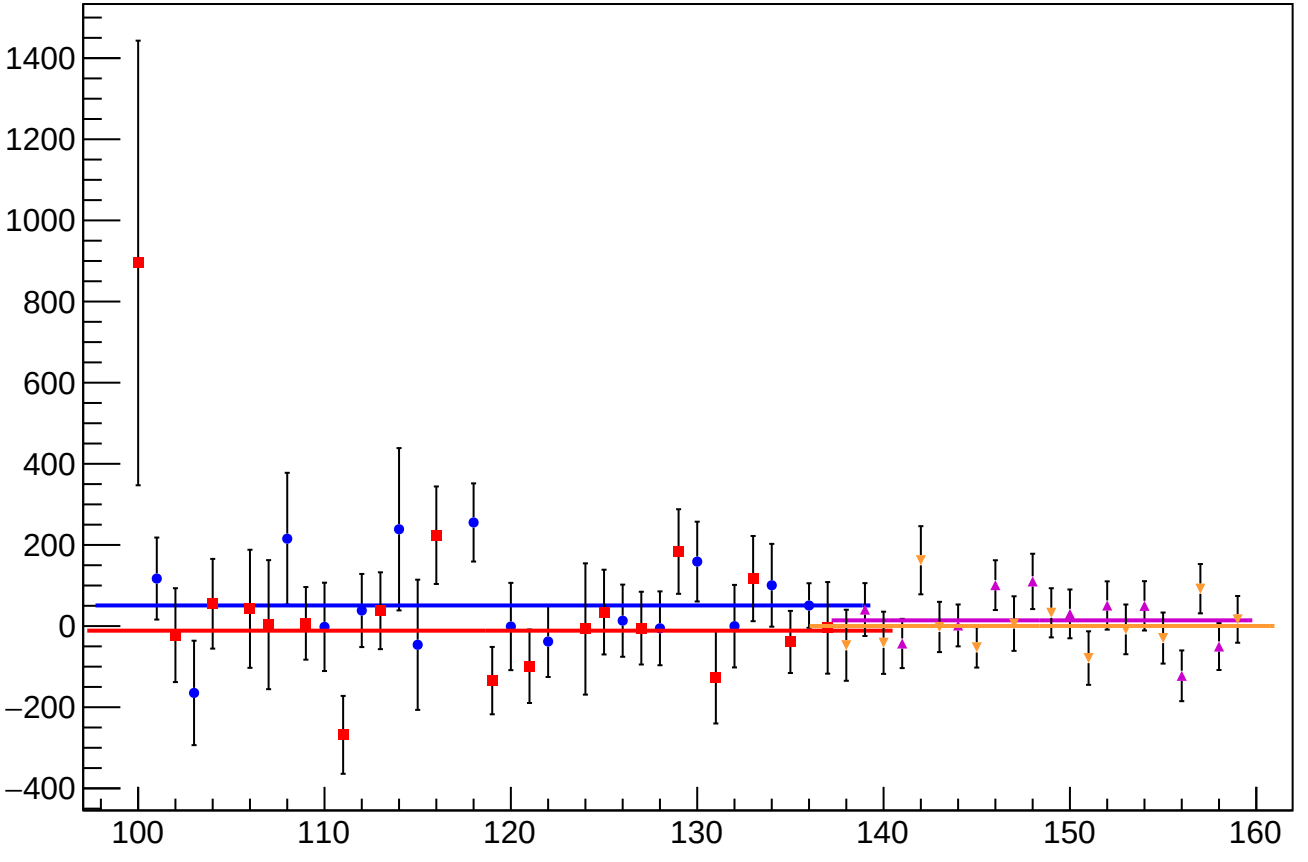
Left In: 468.526+/-0.115 χ^2/NDF:632588.4/9

\+ sign 519.694+/-0.093 χ^2/NDF: 2015579.0/27

All: 516.418+/-0.066 χ^2/NDF: 3975827.3/56

\- sign 513.104+/-0.094 χ^2/NDF: 1957753.7/28

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

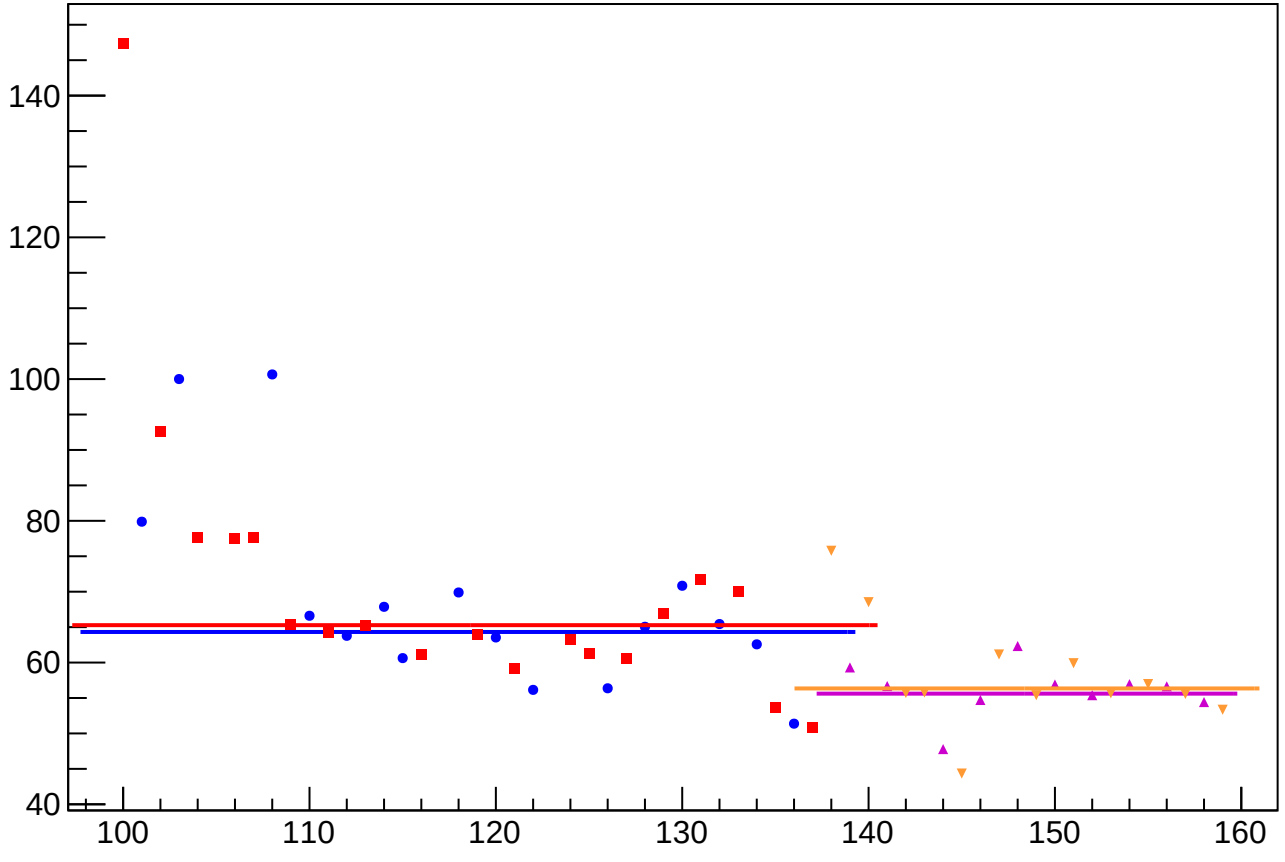
Left In: 14.160+/-19.084 χ^2/NDF:11.9/9

+ sign 18.614+/-14.766 χ^2/NDF: 26.3/27

All: 11.662+/-10.528 χ^2/NDF: 63.3/56

- sign 4.474+/-15.015 χ^2/NDF: 36.6/28

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

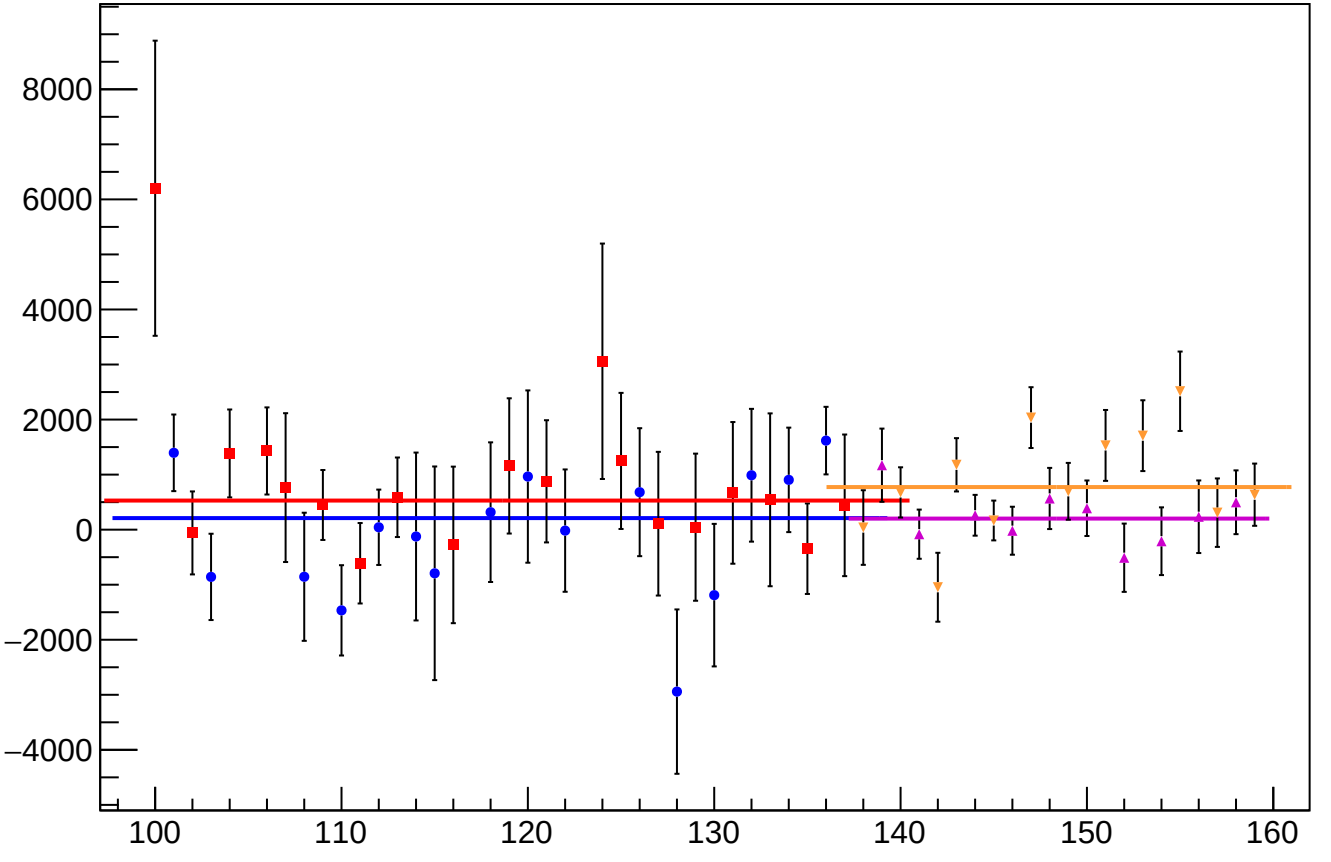
Left In: 55.615+/-0.013 χ^2/NDF:76154.8/9

\+ sign 59.244+/-0.010 χ^2/NDF: 887874.0/27

All: 59.270+/-0.007 χ^2/NDF: 1478510.2/56

\- sign 59.297+/-0.011 χ^2/NDF: 590623.7/28

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

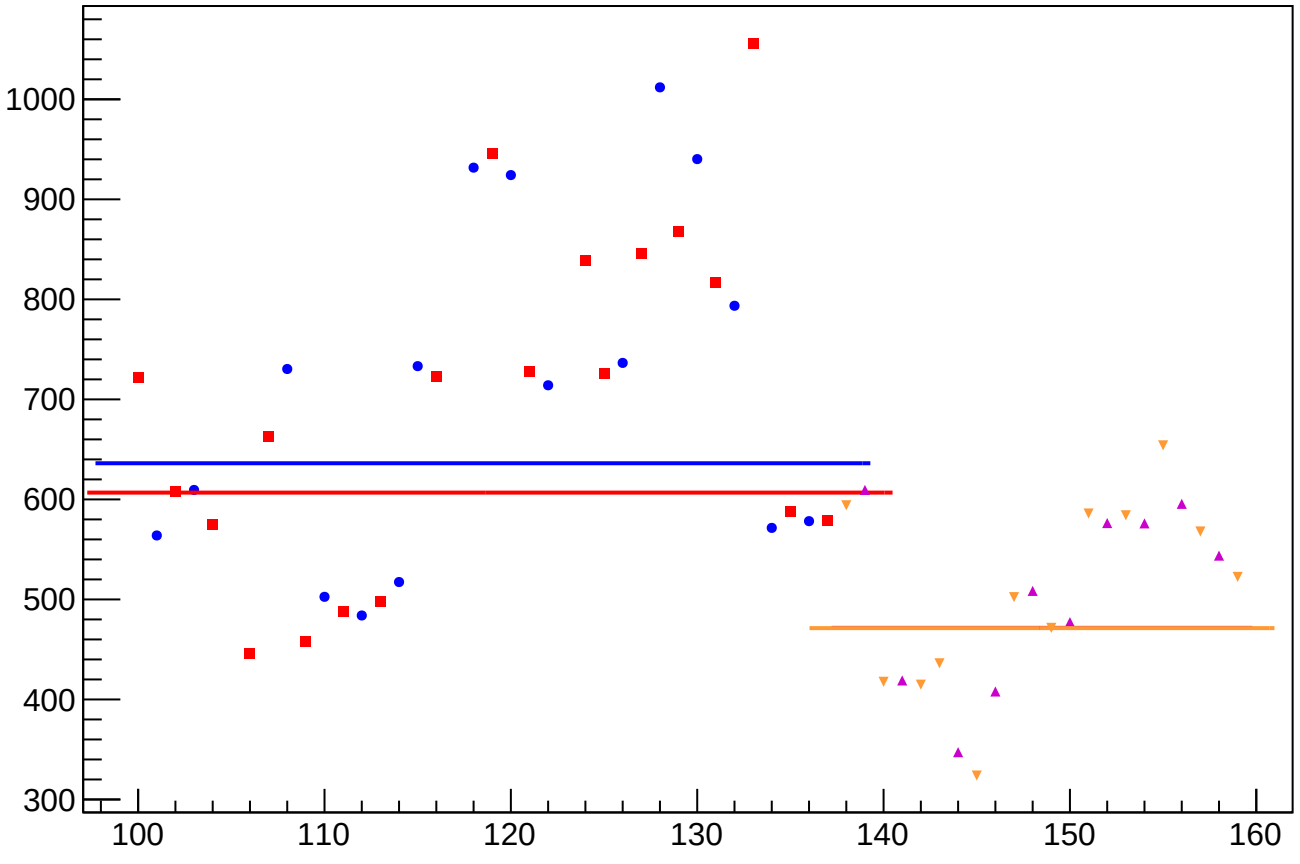
Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: 201.120+/-163.270 χ^2/NDF:5.4/9

\+ sign 609.618+/-131.567 χ^2/NDF: 54.6/27

All: 462.048+/-93.560 χ^2/NDF: 77.7/56

\- sign 311.077+/-133.073 χ^2/NDF: 20.6/28



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

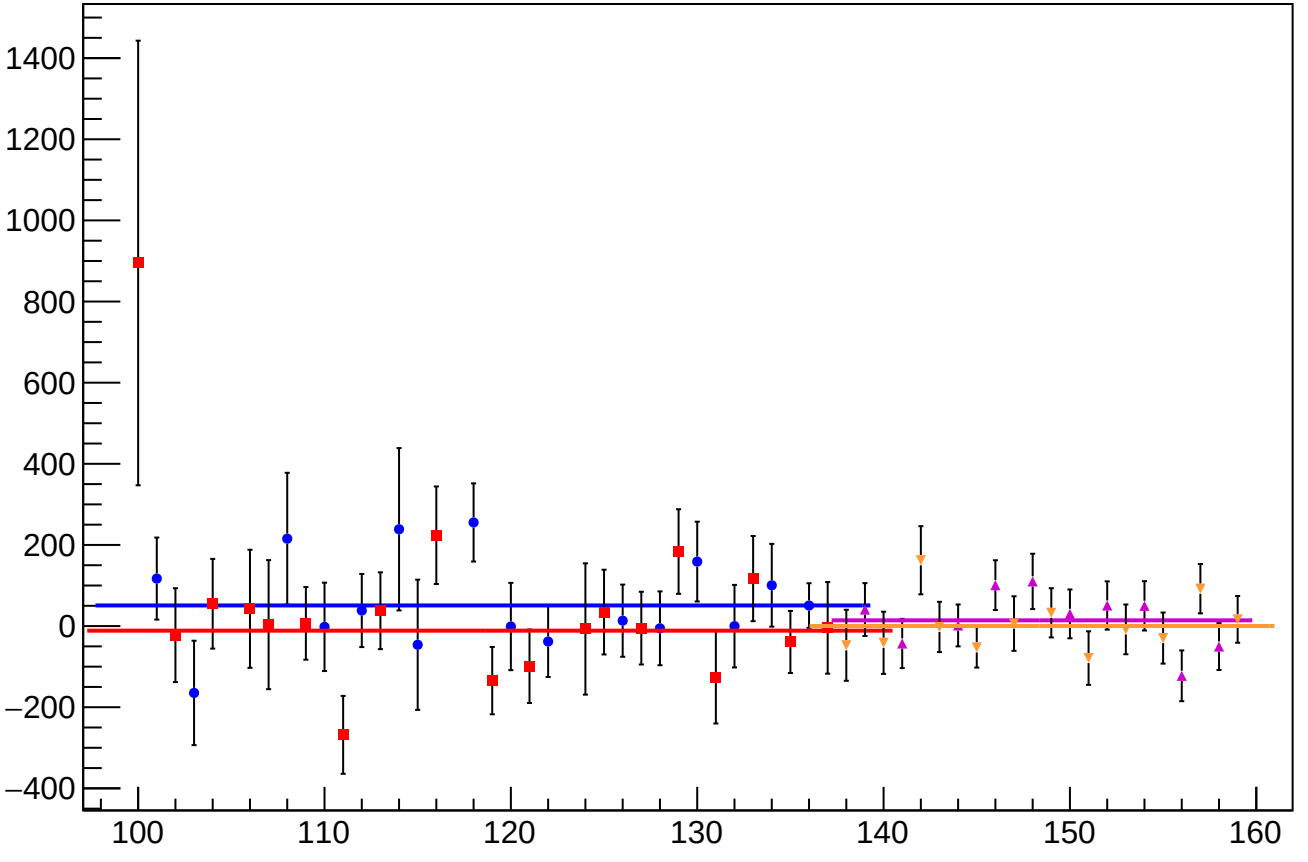
Left In: 471.572+/-0.115 χ^2/NDF:606989.0/9

+ sign 519.309+/-0.093 χ^2/NDF: 2130123.5/27

All: 518.152+/-0.066 χ^2/NDF: 4091889.9/56

- sign 516.968+/-0.094 χ^2/NDF: 1961453.3/28

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

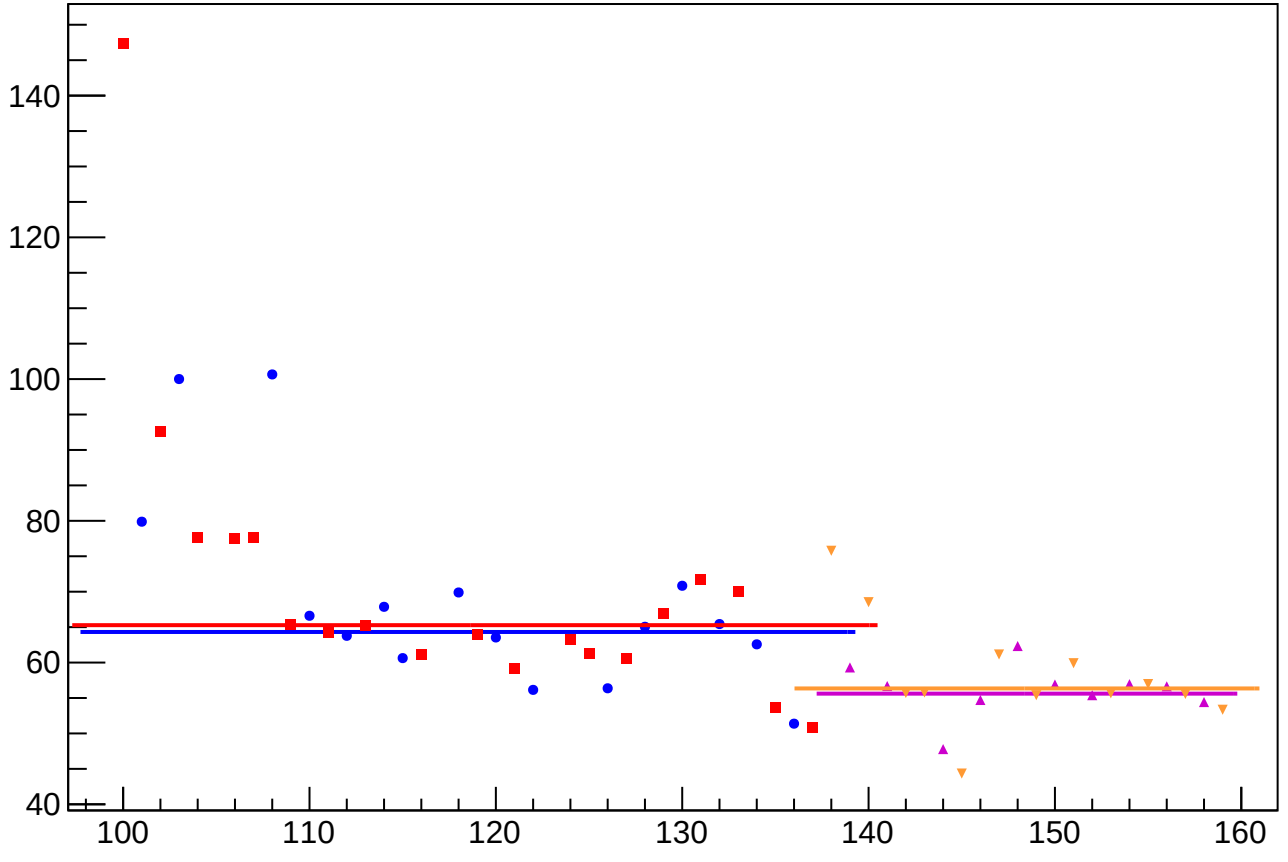
Left In: 14.160+/-19.084 χ^2/NDF:11.9/9

+ sign 18.613+/-14.766 χ^2/NDF: 26.3/27

All: 11.662+/-10.528 χ^2/NDF: 63.3/56

- sign 4.474+/-15.015 χ^2/NDF: 36.6/28

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

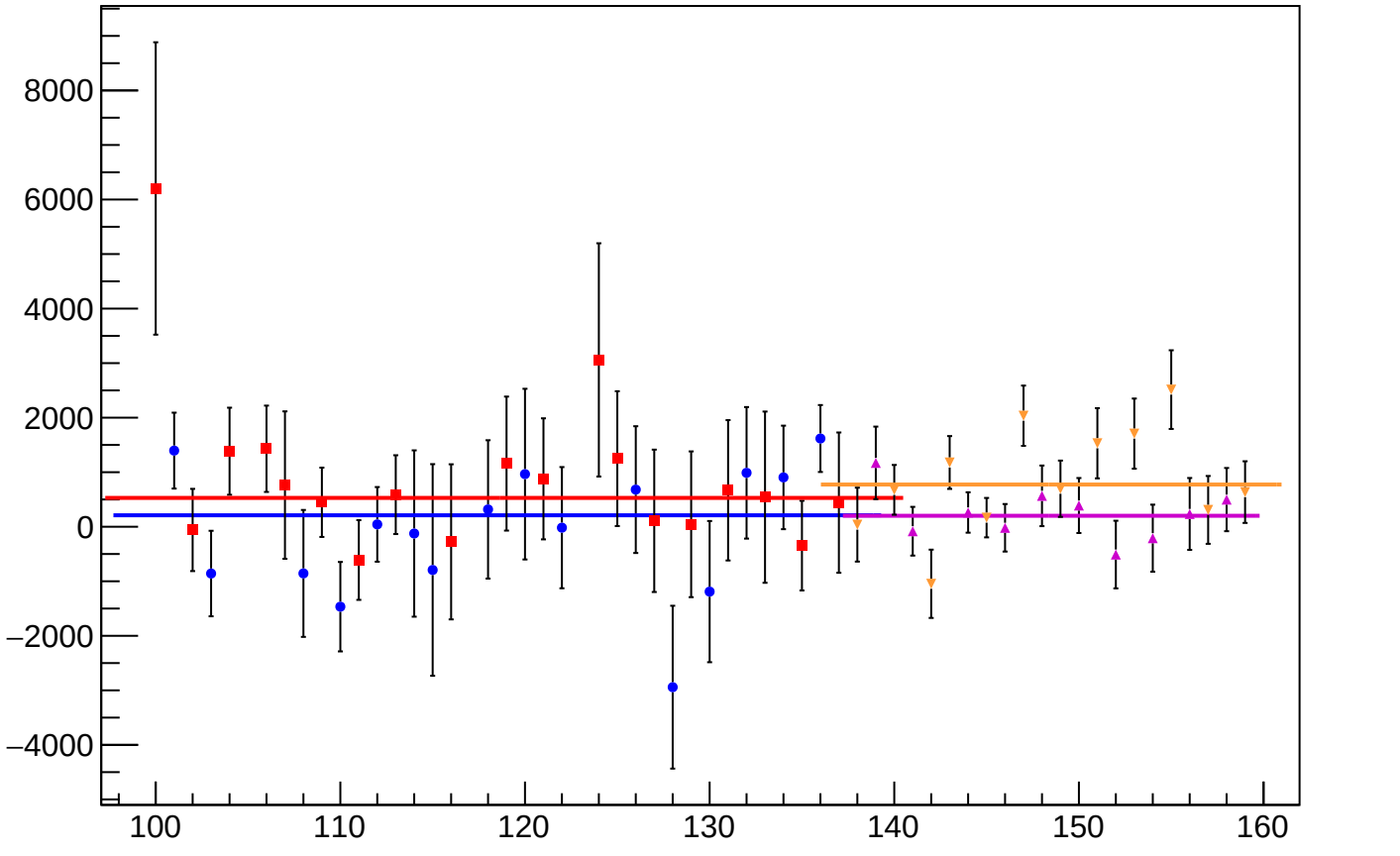
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.615+/-0.013 χ^2/NDF:76150.2/9

+ sign 59.244+/-0.010 χ^2/NDF: 887850.6/27

All: 59.270+/-0.007 χ^2/NDF: 1478476.1/56

- sign 59.297+/-0.011 χ^2/NDF: 590613.1/28



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 773.808+/-156.276 χ^2/NDF:28.4/11

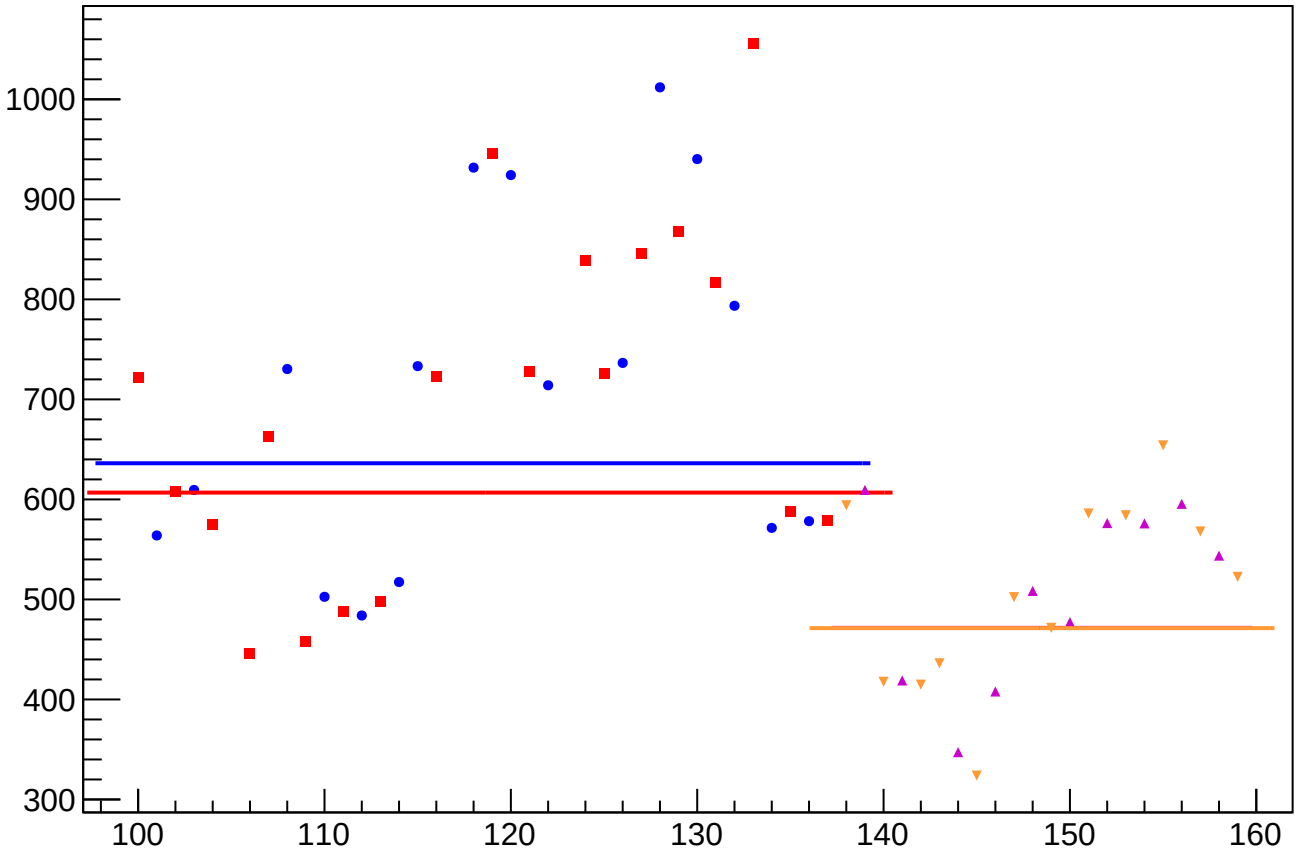
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 201.119+/-163.270 χ^2/NDF:5.4/9

+ sign 609.617+/-131.567 χ^2/NDF: 54.6/27

All: 462.047+/-93.560 χ^2/NDF: 77.7/56

- sign 311.077+/-133.073 χ^2/NDF: 20.6/28



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

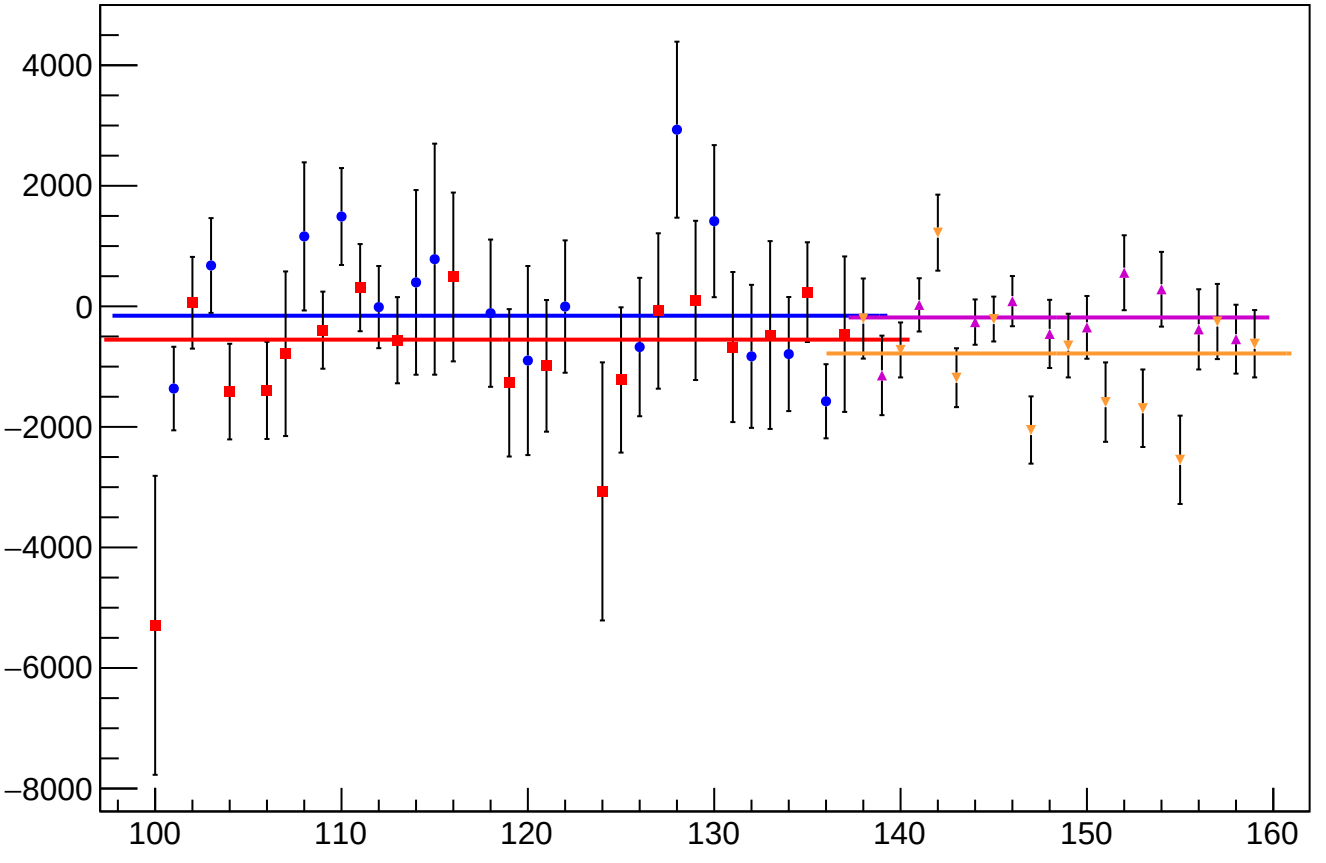
Left In: 471.571+/-0.115 χ^2/NDF:606989.6/9

+ sign 519.308+/-0.093 χ^2/NDF: 2130137.5/27

All: 518.151+/-0.066 χ^2/NDF: 4091907.3/56

- sign 516.967+/-0.094 χ^2/NDF: 1961456.9/28

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

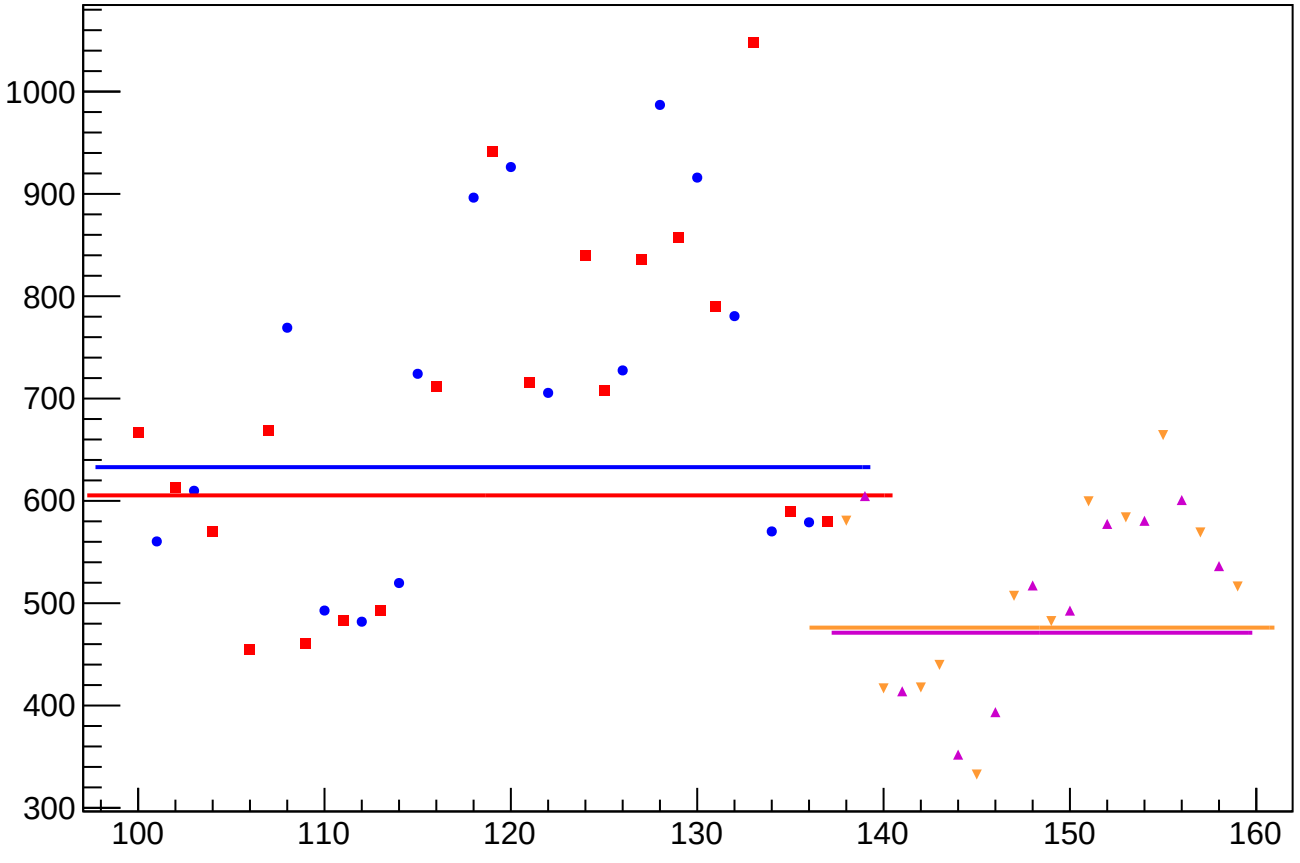
Left In: -184.263+/-163.114 χ^2/NDF:5.6/9

+ sign -595.614+/-132.287 χ^2/NDF: 56.4/27

All: -452.489+/-93.734 χ^2/NDF: 78.2/56

- sign -308.176+/-132.835 χ^2/NDF: 19.5/28

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

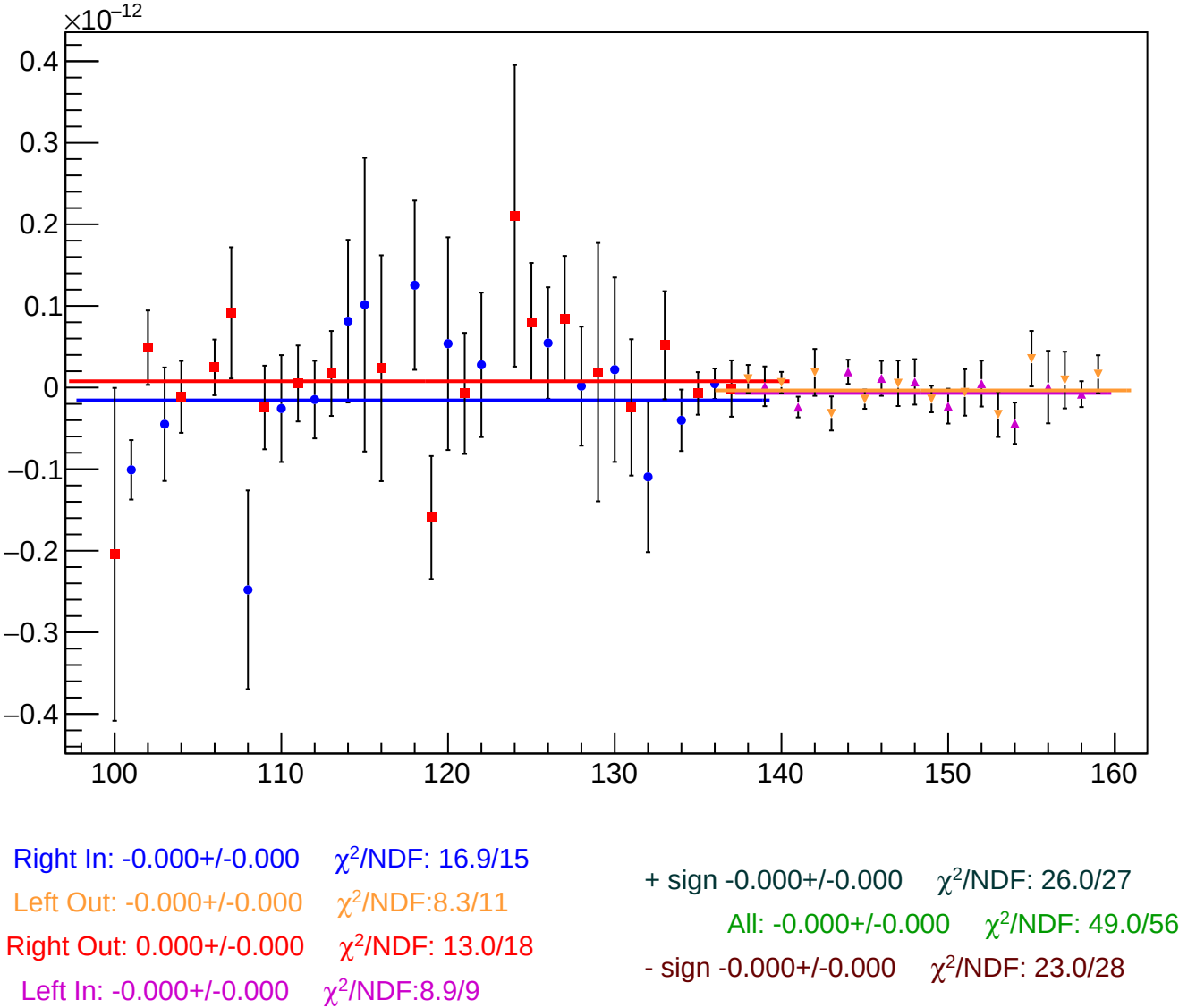
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 471.152+/-0.115 χ^2/NDF:625366.2/9

+ sign 522.778+/-0.094 χ^2/NDF: 1997250.5/27

All: 519.581+/-0.066 χ^2/NDF: 3935061.9/56

- sign 516.358+/-0.094 χ^2/NDF: 1935465.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/11

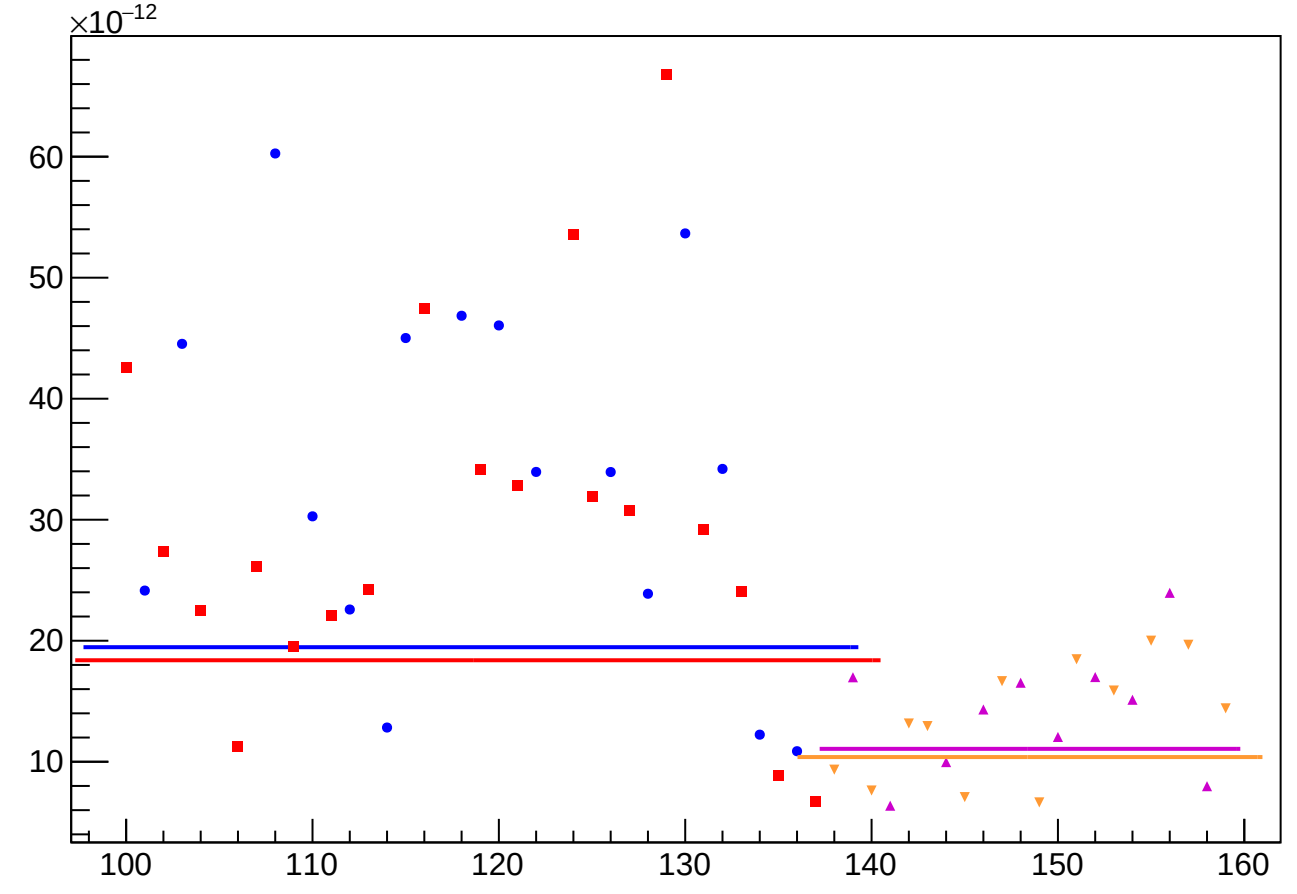
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/27

All: -0.000+/-0.000 χ^2/NDF: 49.0/56

- sign -0.000+/-0.000 χ^2/NDF: 23.0/28



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

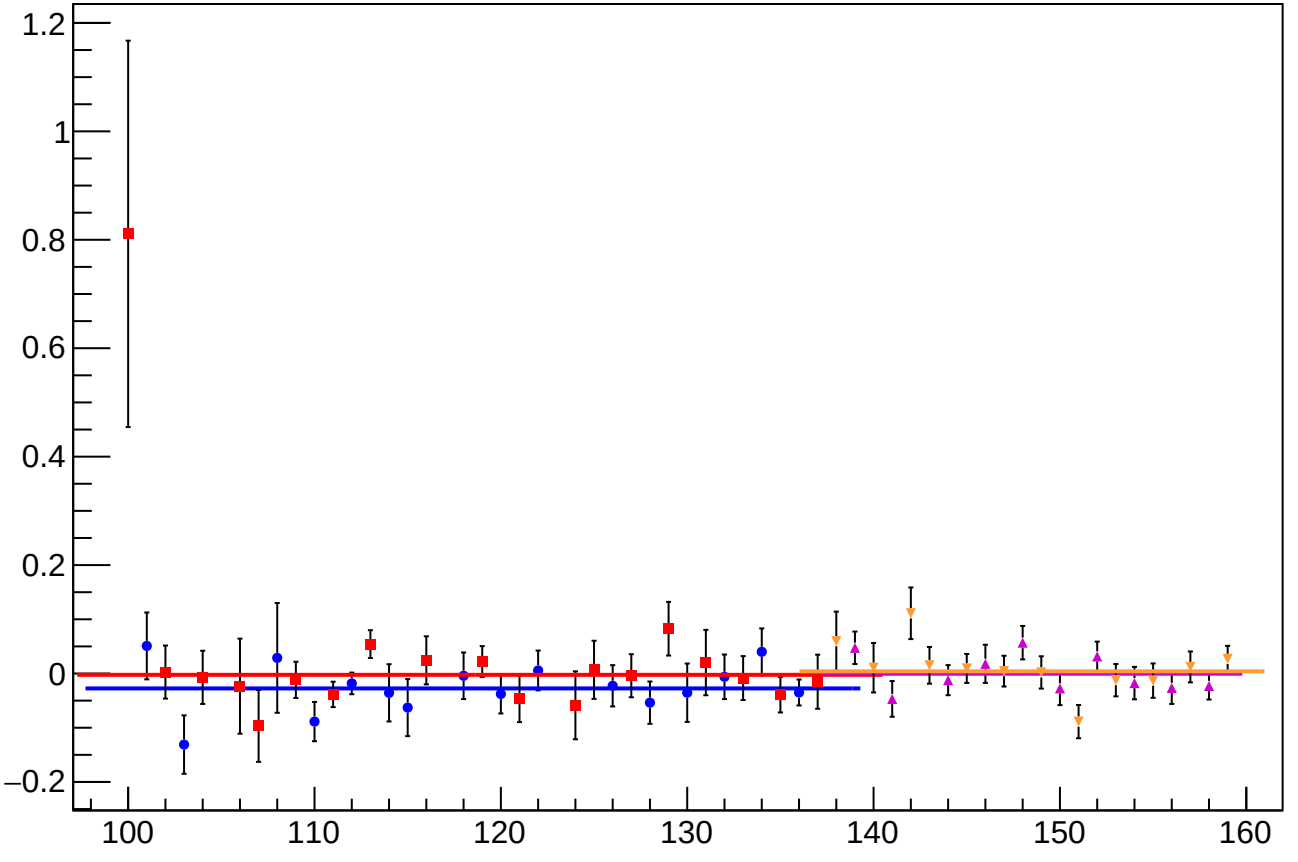
Left In: 0.000+/-0.000 χ^2/NDF:916443.8/9

+ sign 0.000+/-0.000 χ^2/NDF: 3713331.7/27

All: 0.000+/-0.000 χ^2/NDF: 6663813.2/56

- sign 0.000+/-0.000 χ^2/NDF: 2933816.5/28

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

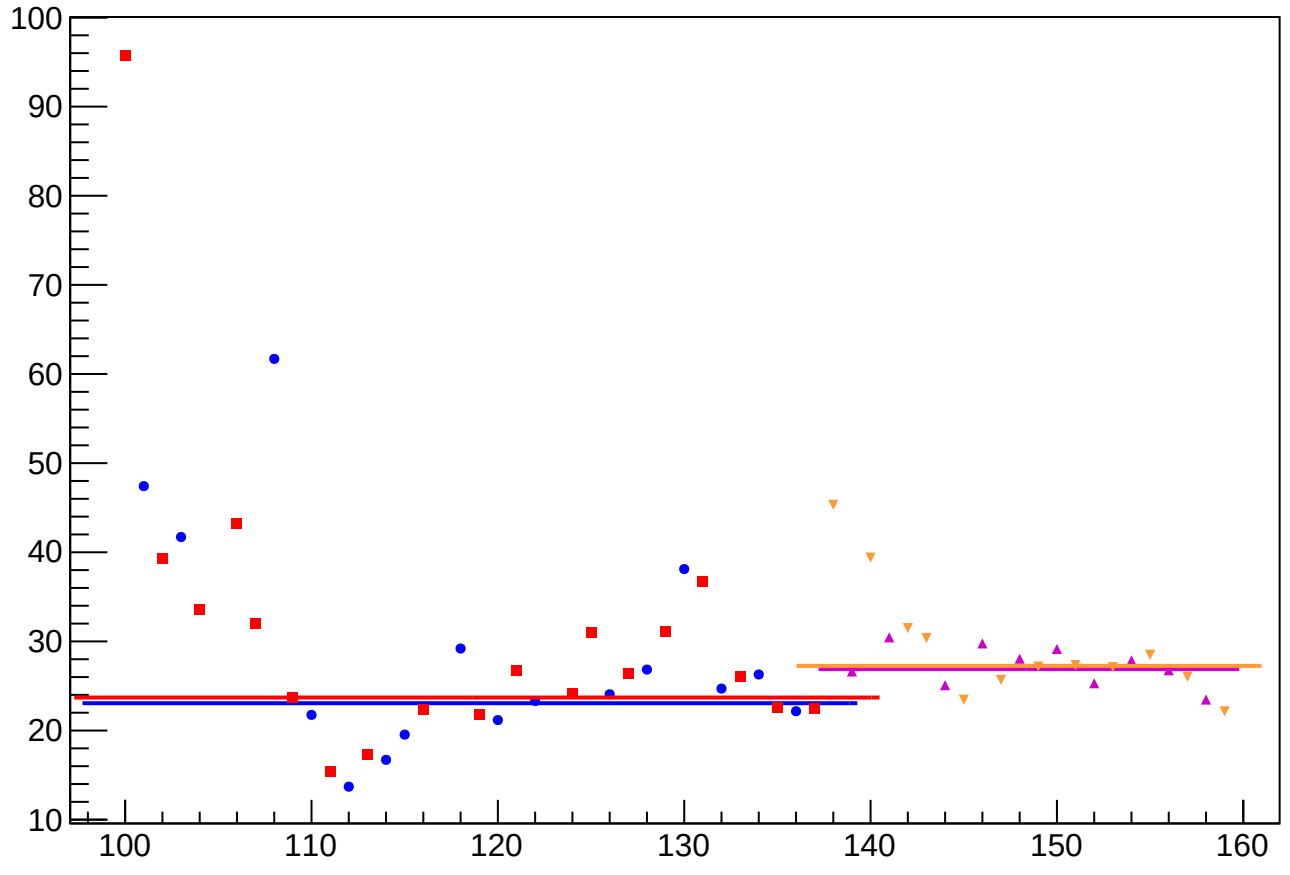
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.000+/-0.009 χ^2/NDF:12.5/9

+ sign -0.011+/-0.007 χ^2/NDF: 36.5/27

All: -0.006+/-0.005 χ^2/NDF: 72.2/56

- sign -0.001+/-0.007 χ^2/NDF: 34.6/28



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.256+/-0.006 χ^2/NDF:537488.1/11

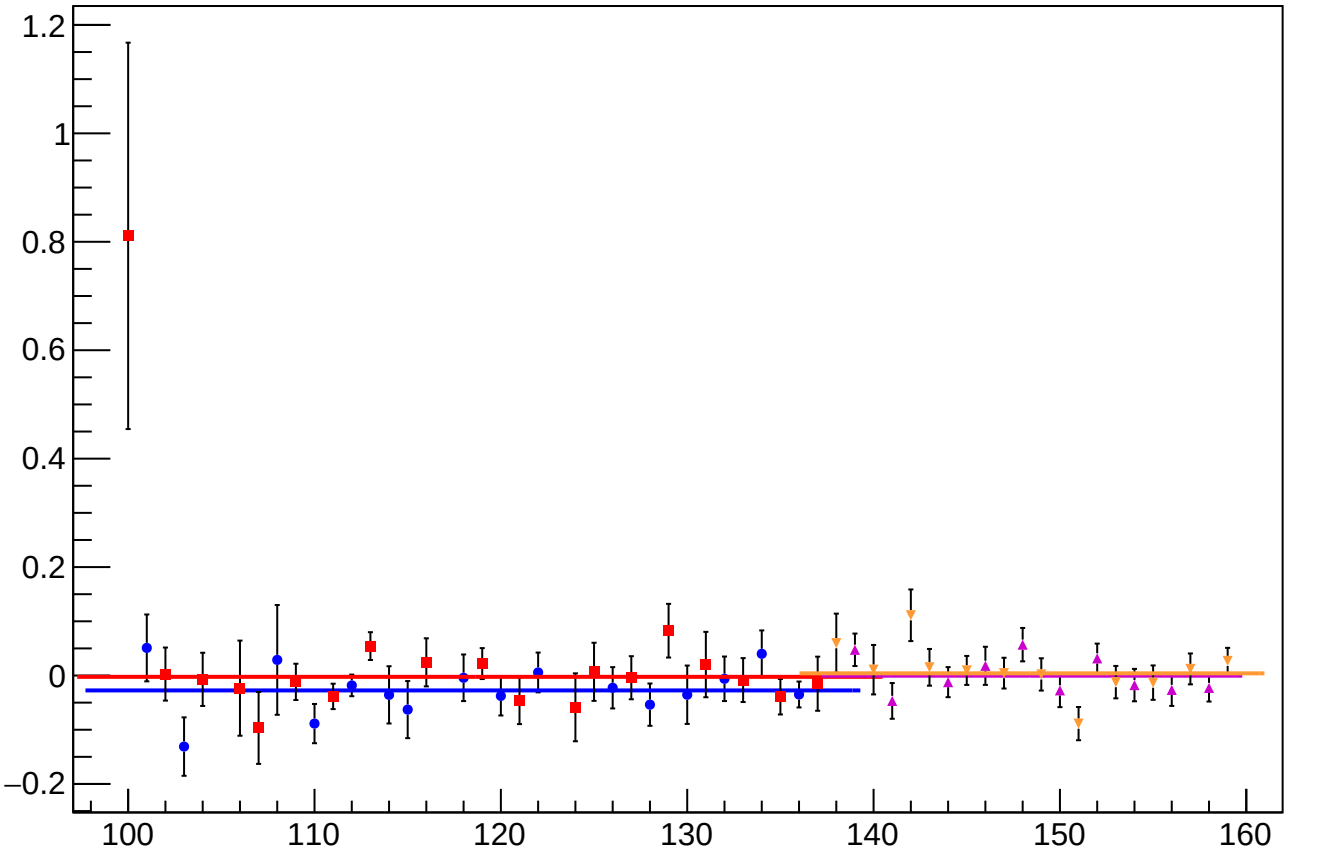
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.890+/-0.007 χ^2/NDF:104904.8/9

+ sign 25.224+/-0.005 χ^2/NDF: 2306962.6/27

All: 25.255+/-0.003 χ^2/NDF: 3617378.6/56

- sign 25.286+/-0.005 χ^2/NDF: 1310327.9/28



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.009 χ^2/NDF:17.0/11

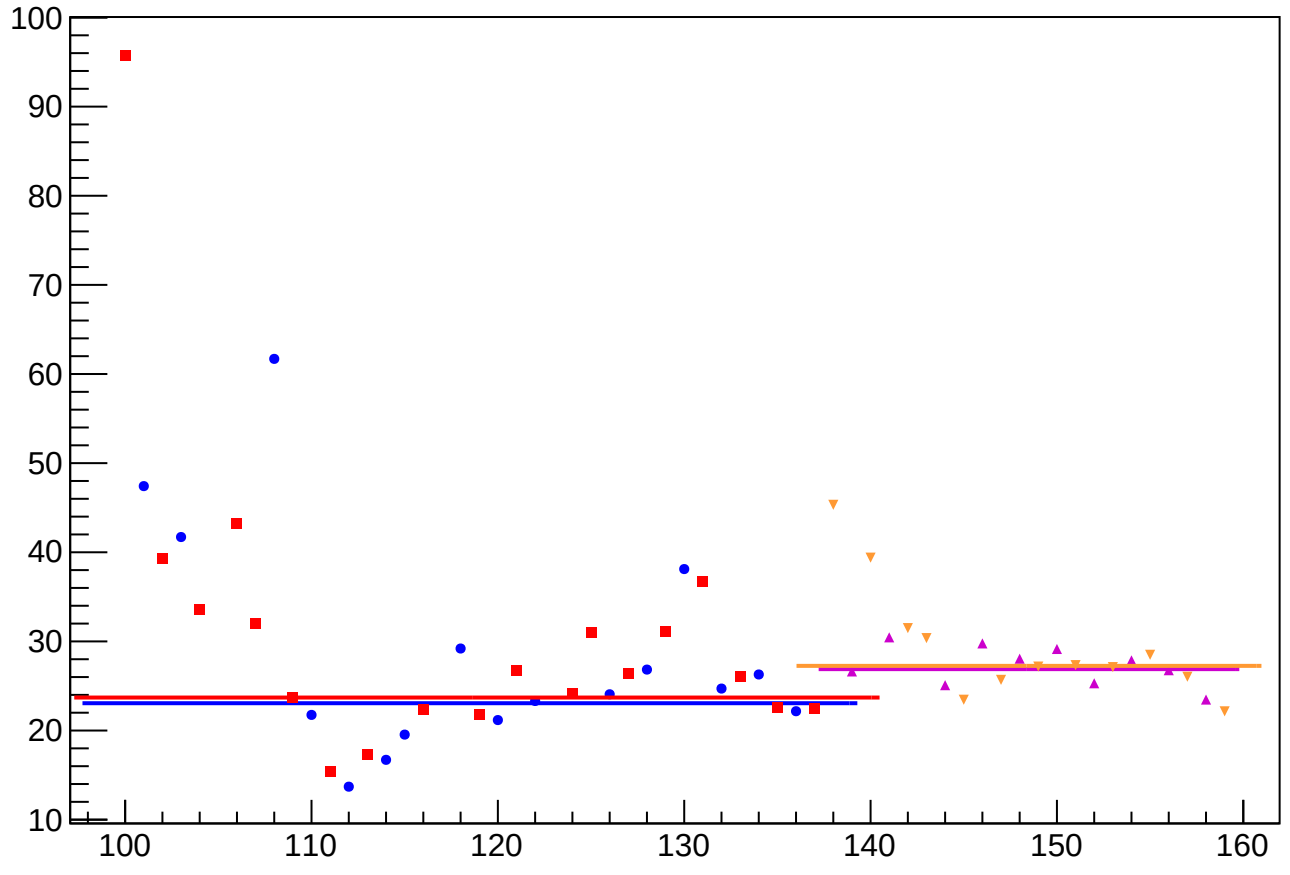
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.000+/-0.009 χ^2/NDF:12.5/9

+ sign -0.011+/-0.007 χ^2/NDF: 36.5/27

All: -0.006+/-0.005 χ^2/NDF: 72.2/56

- sign -0.001+/-0.007 χ^2/NDF: 34.6/28



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.256+/-0.006 χ^2/NDF:537488.1/11

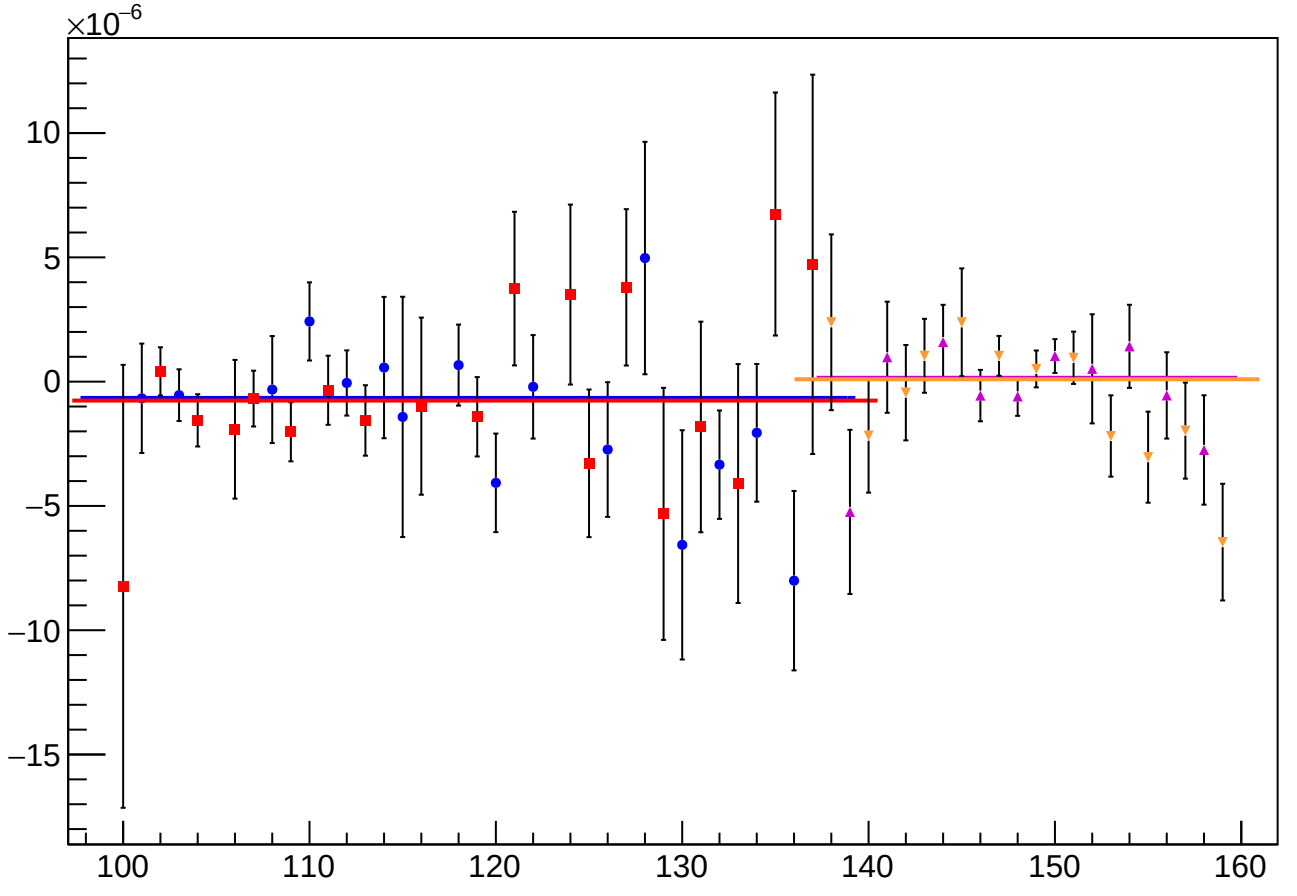
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

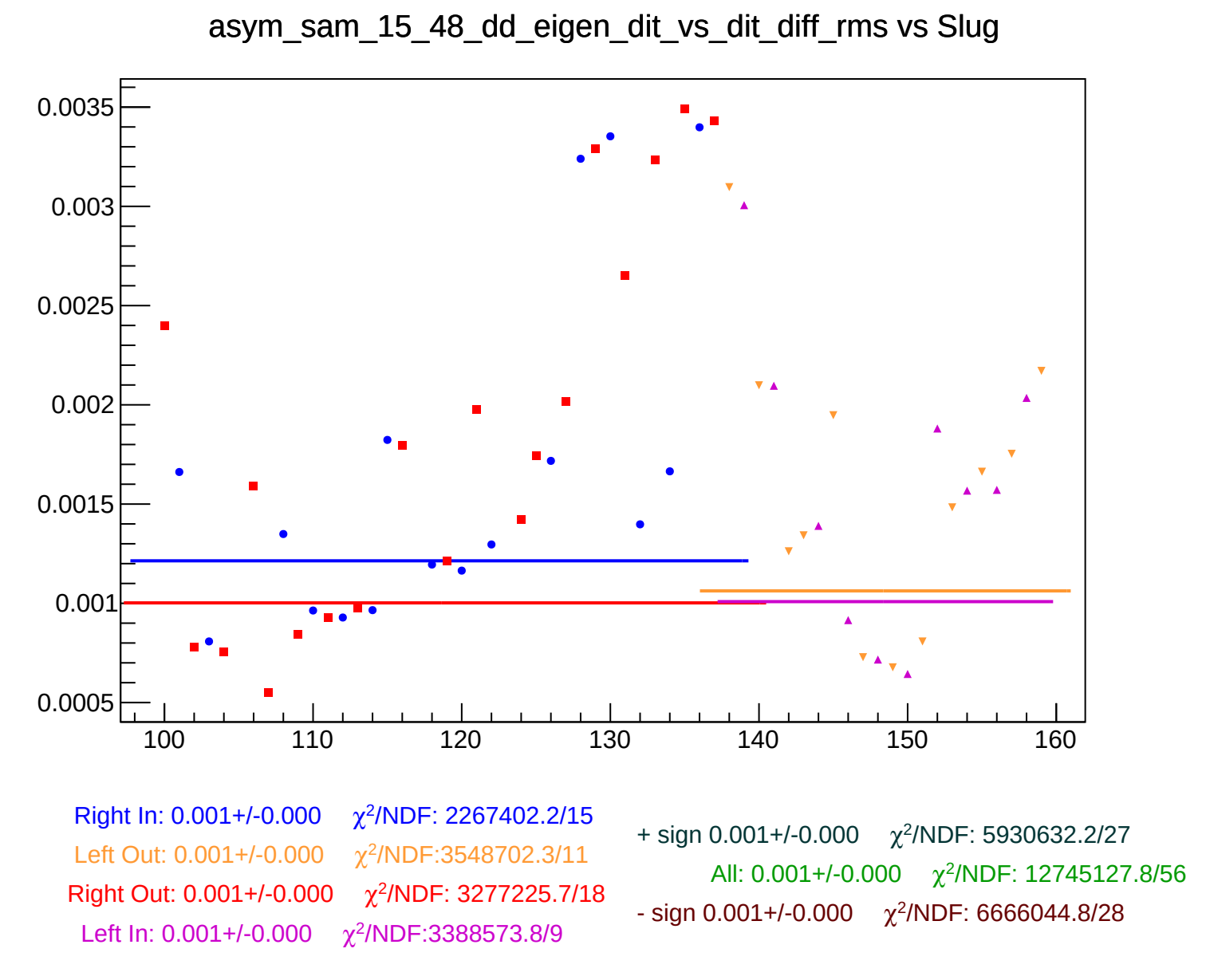
Left In: 26.890+/-0.007 χ^2/NDF:104904.8/9

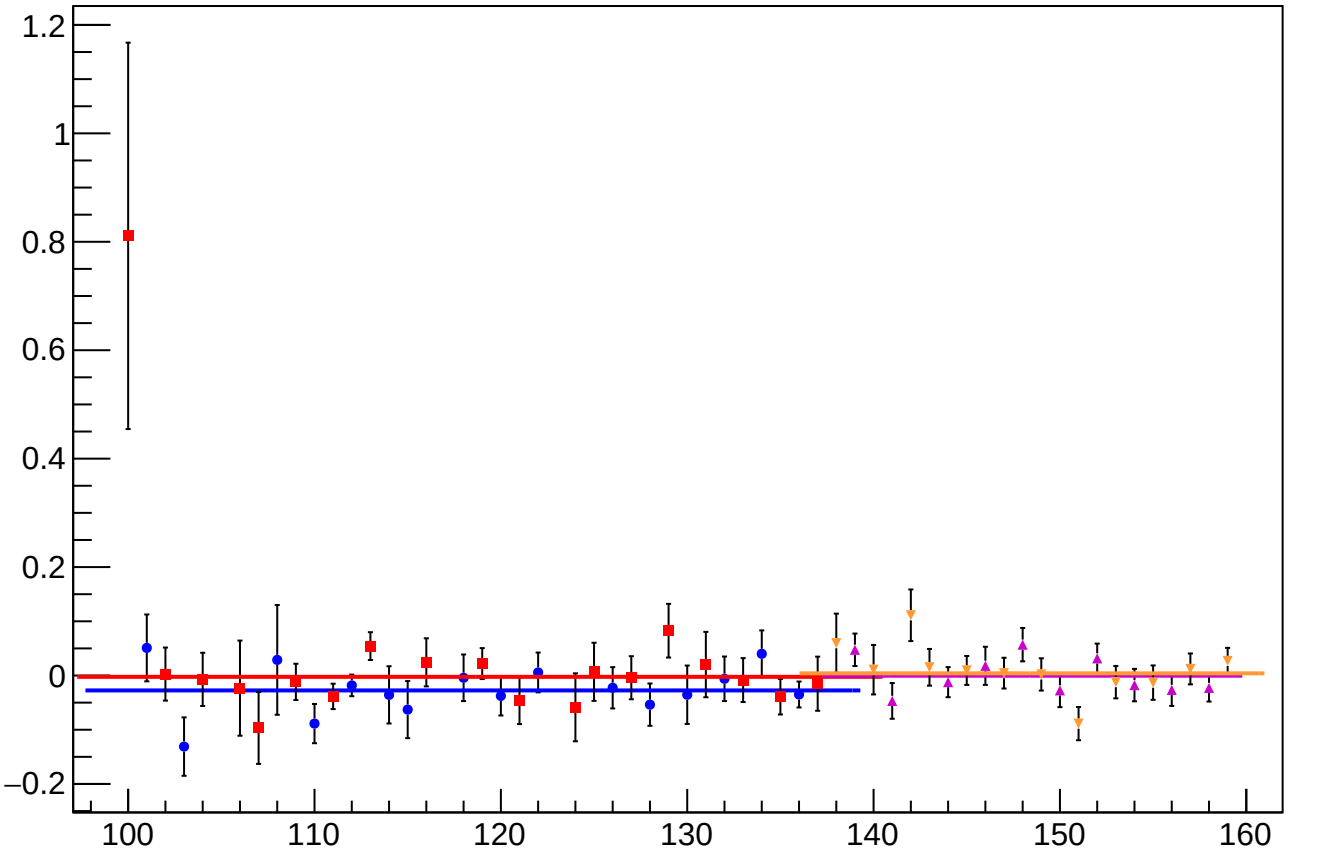
+ sign 25.224+/-0.005 χ^2/NDF: 2306962.6/27

All: 25.255+/-0.003 χ^2/NDF: 3617378.6/56

- sign 25.286+/-0.005 χ^2/NDF: 1310327.9/28


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 17.6/15
Left Out: 0.000+/-0.000 χ²/NDF:19.2/11
Right Out: -0.000+/-0.000 χ²/NDF: 15.2/18
Left In: 0.000+/-0.000 χ²/NDF:9.3/9
+ sign -0.000+/-0.000 χ²/NDF: 38.1/27
All: -0.000+/-0.000 χ²/NDF: 65.2/56
- sign -0.000+/-0.000 χ²/NDF: 27.0/28


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:3388573.8/9
+ sign 0.001+/-0.000 χ²/NDF: 5930632.2/27
All: 0.001+/-0.000 χ²/NDF: 12745127.8/56
- sign 0.001+/-0.000 χ²/NDF: 6666044.8/28



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.009 χ^2/NDF:17.0/11

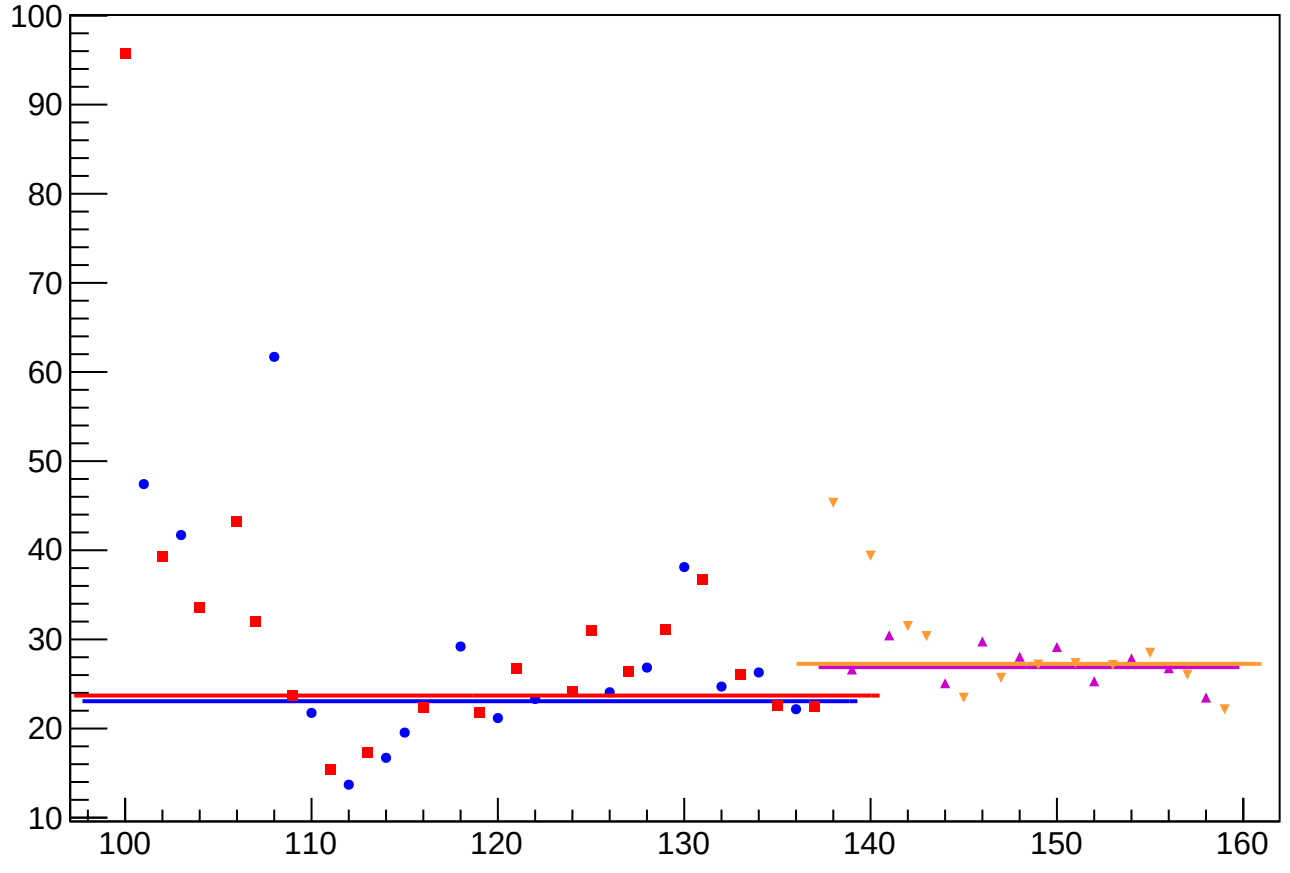
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.000+/-0.009 χ^2/NDF:12.5/9

+ sign -0.011+/-0.007 χ^2/NDF: 36.5/27

All: -0.006+/-0.005 χ^2/NDF: 72.2/56

- sign -0.001+/-0.007 χ^2/NDF: 34.6/28



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:537443.7/11

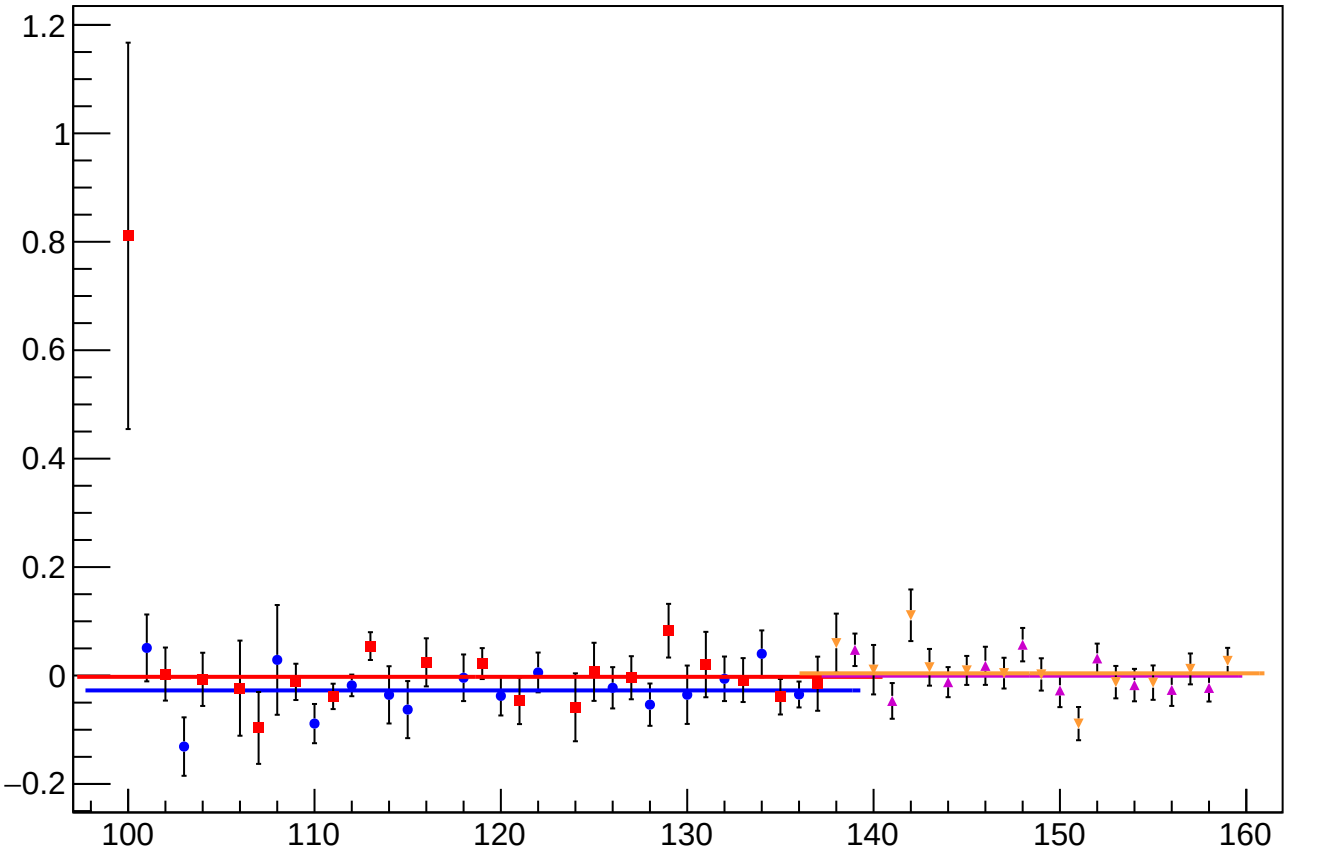
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.890+/-0.007 χ^2/NDF:104891.0/9

+ sign 25.224+/-0.005 χ^2/NDF: 2306988.2/27

All: 25.255+/-0.003 χ^2/NDF: 3617463.1/56

- sign 25.286+/-0.005 χ^2/NDF: 1310387.0/28



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.009 χ^2/NDF:17.0/11

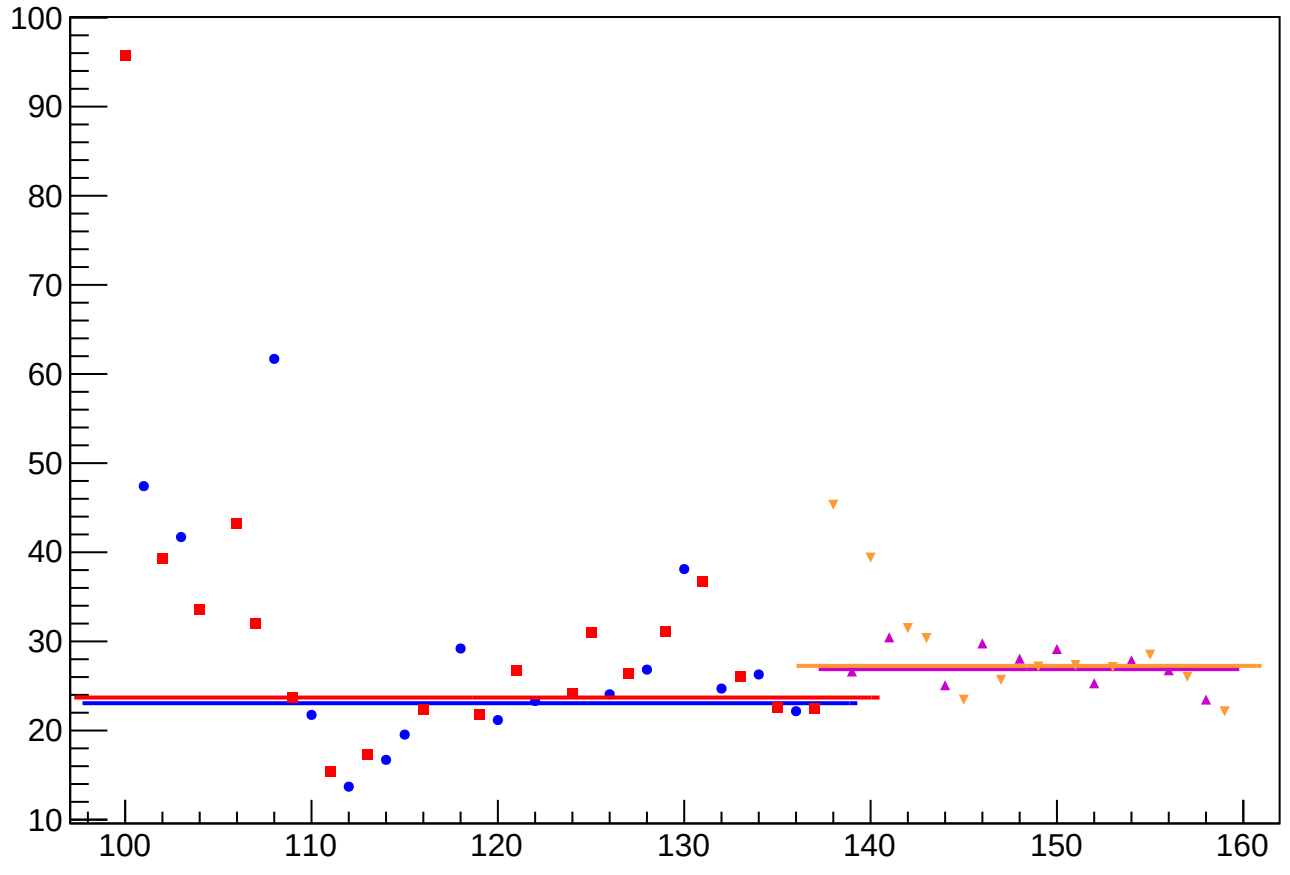
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.000+/-0.009 χ^2/NDF:12.5/9

+ sign -0.011+/-0.007 χ^2/NDF: 36.5/27

All: -0.006+/-0.005 χ^2/NDF: 72.2/56

- sign -0.001+/-0.007 χ^2/NDF: 34.6/28



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:537443.7/11

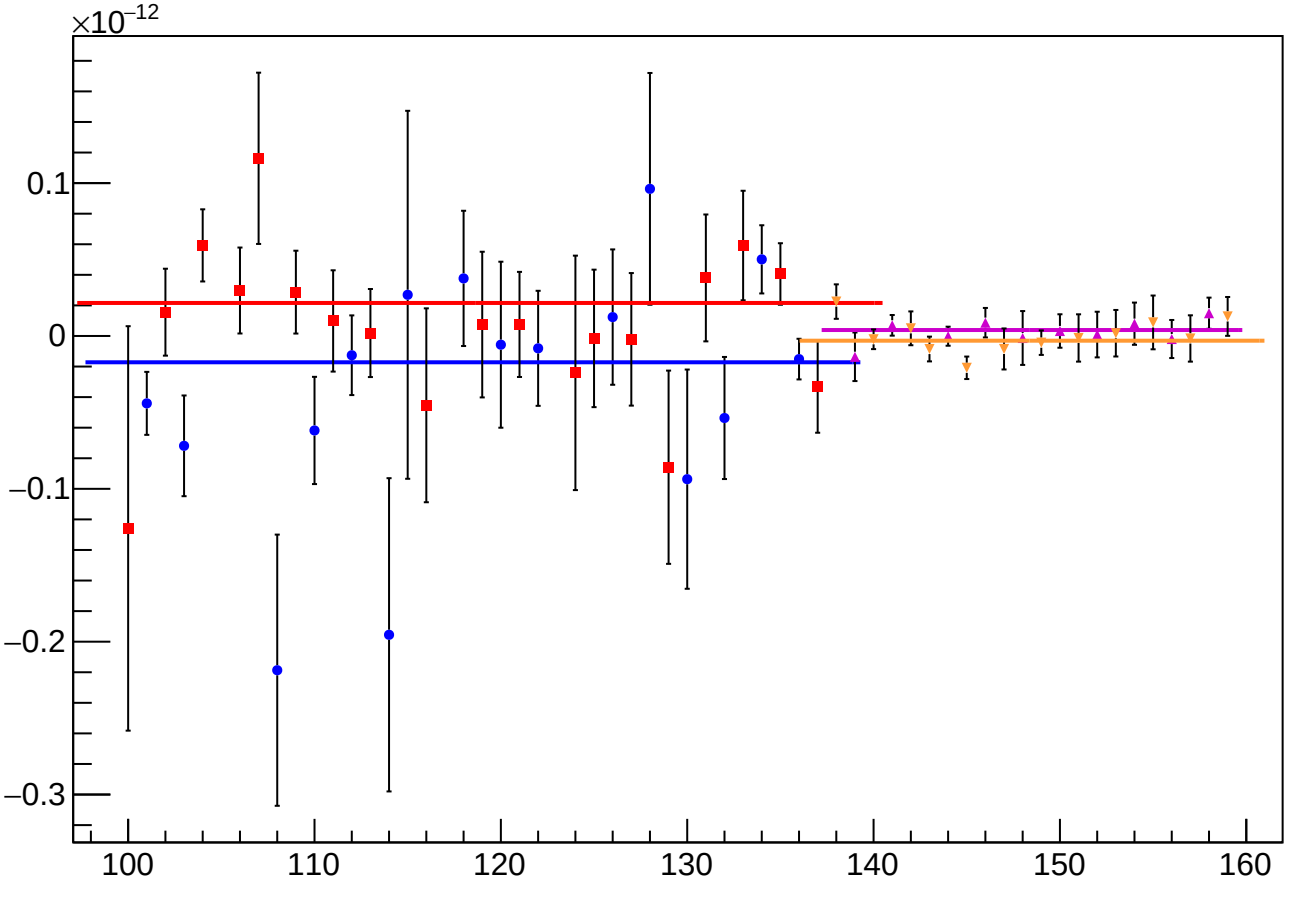
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.890+/-0.007 χ^2/NDF:104891.0/9

+ sign 25.224+/-0.005 χ^2/NDF: 2306988.2/27

All: 25.255+/-0.003 χ^2/NDF: 3617463.1/56

- sign 25.286+/-0.005 χ^2/NDF: 1310387.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/11

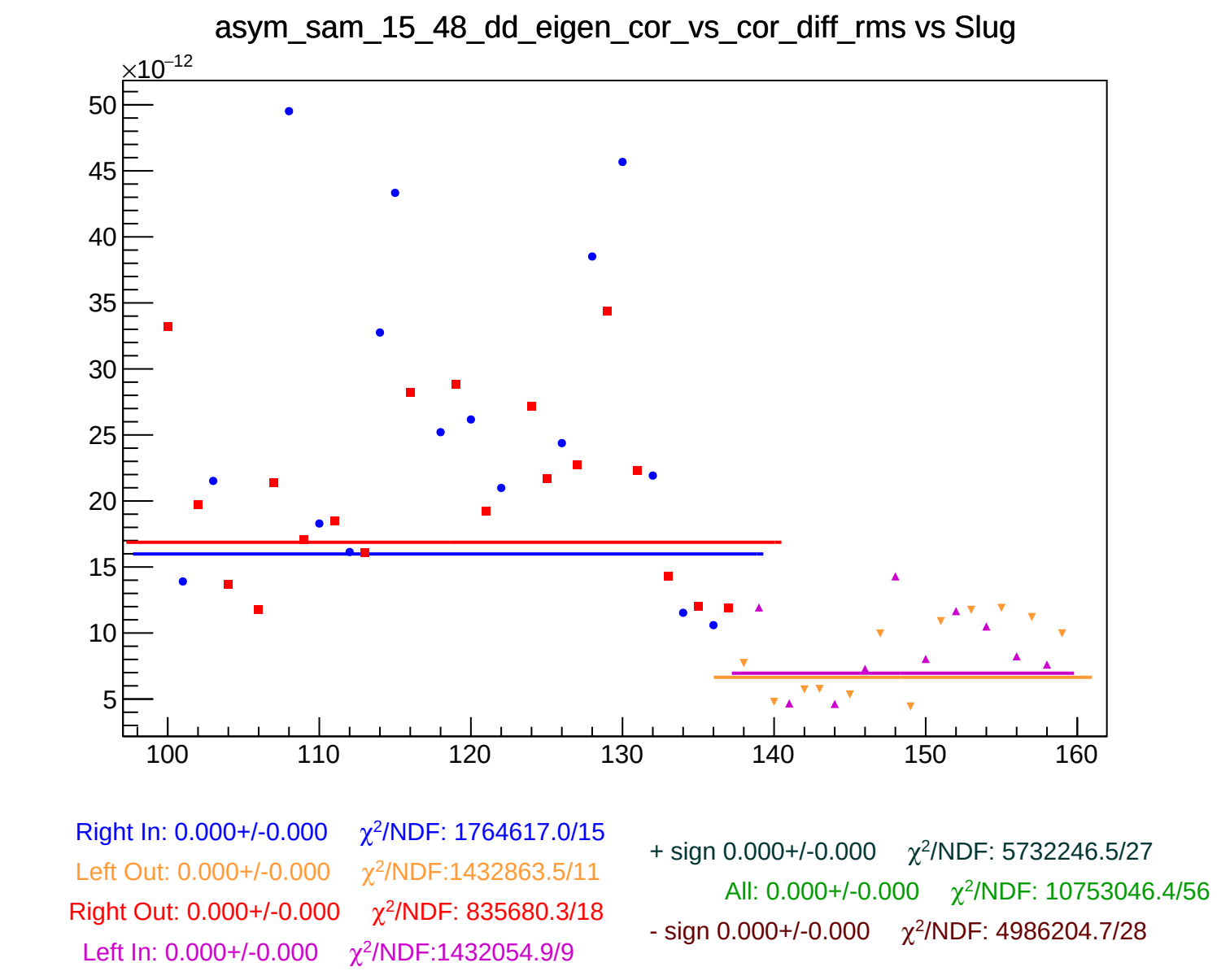
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/9

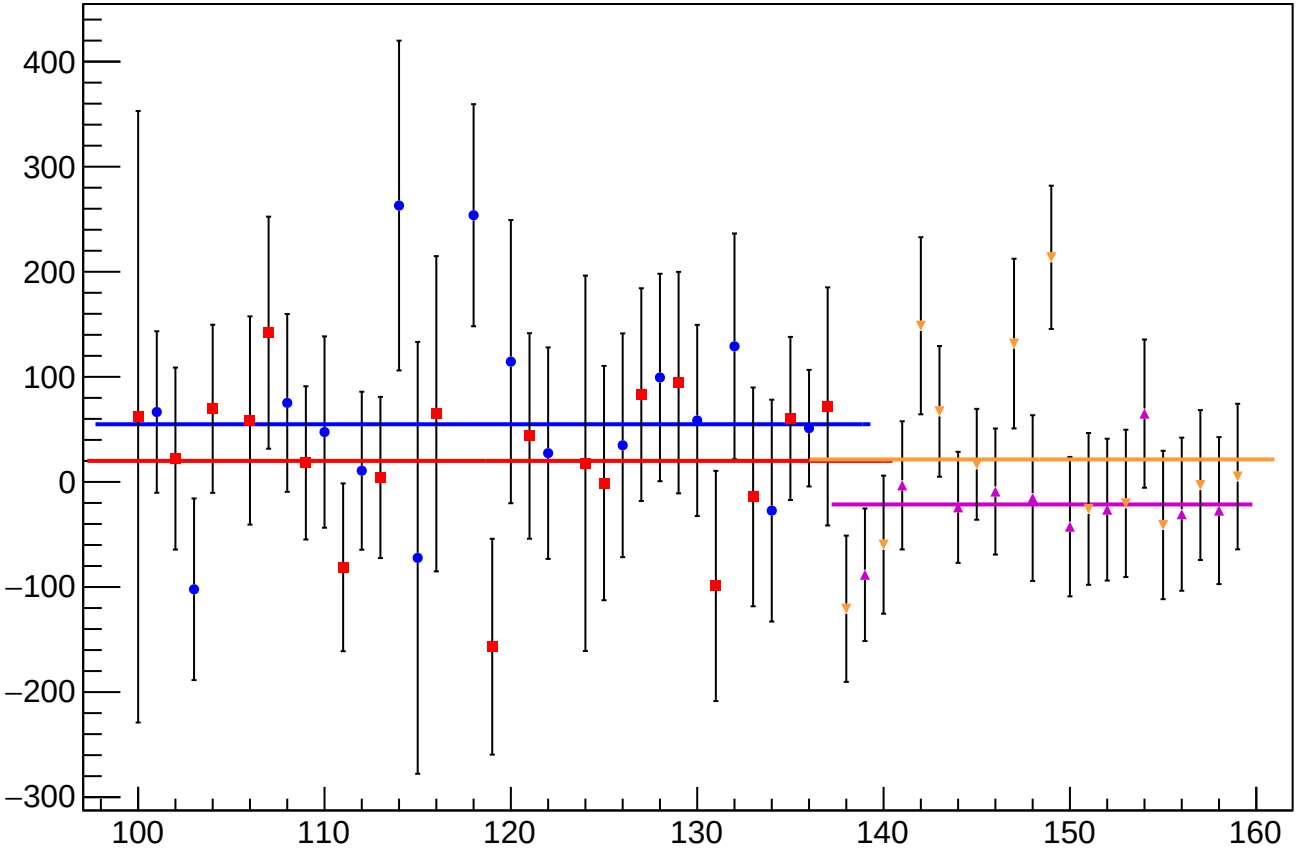
+ sign -0.000+/-0.000 χ^2/NDF: 47.1/27

All: 0.000+/-0.000 χ^2/NDF: 80.9/56

- sign 0.000+/-0.000 χ^2/NDF: 26.0/28


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
45
40
35
30
25
20
15
10
5
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:1432054.9/9
+ sign 0.000+/-0.000 χ²/NDF: 5732246.5/27
All: 0.000+/-0.000 χ²/NDF: 10753046.4/56
- sign 0.000+/-0.000 χ²/NDF: 4986204.7/28

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

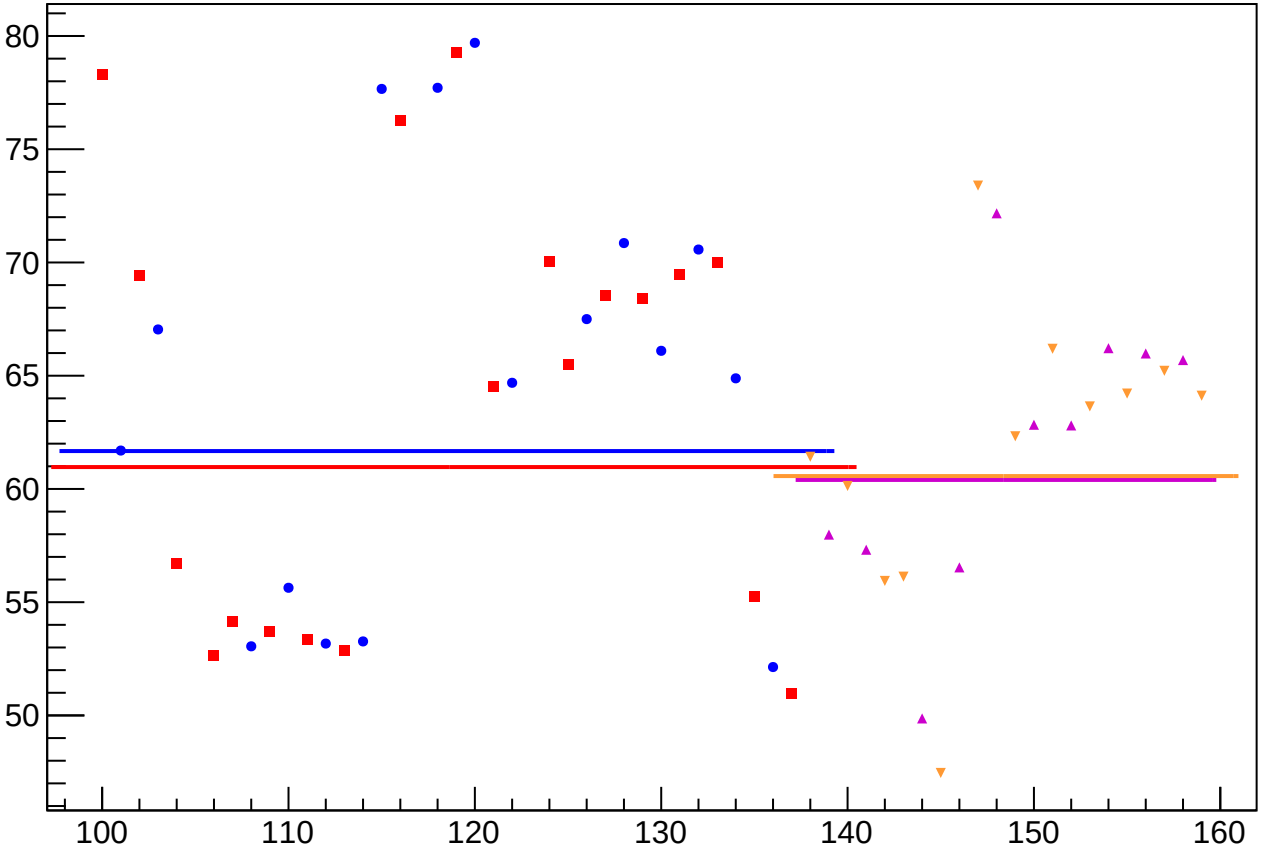
Left In: -21.418+/-20.595 χ^2/NDF:2.9/9

+ sign 35.482+/-15.029 χ^2/NDF: 32.3/27

All: 16.677+/-10.692 χ^2/NDF: 49.4/56

- sign -2.593+/-15.213 χ^2/NDF: 14.0/28

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

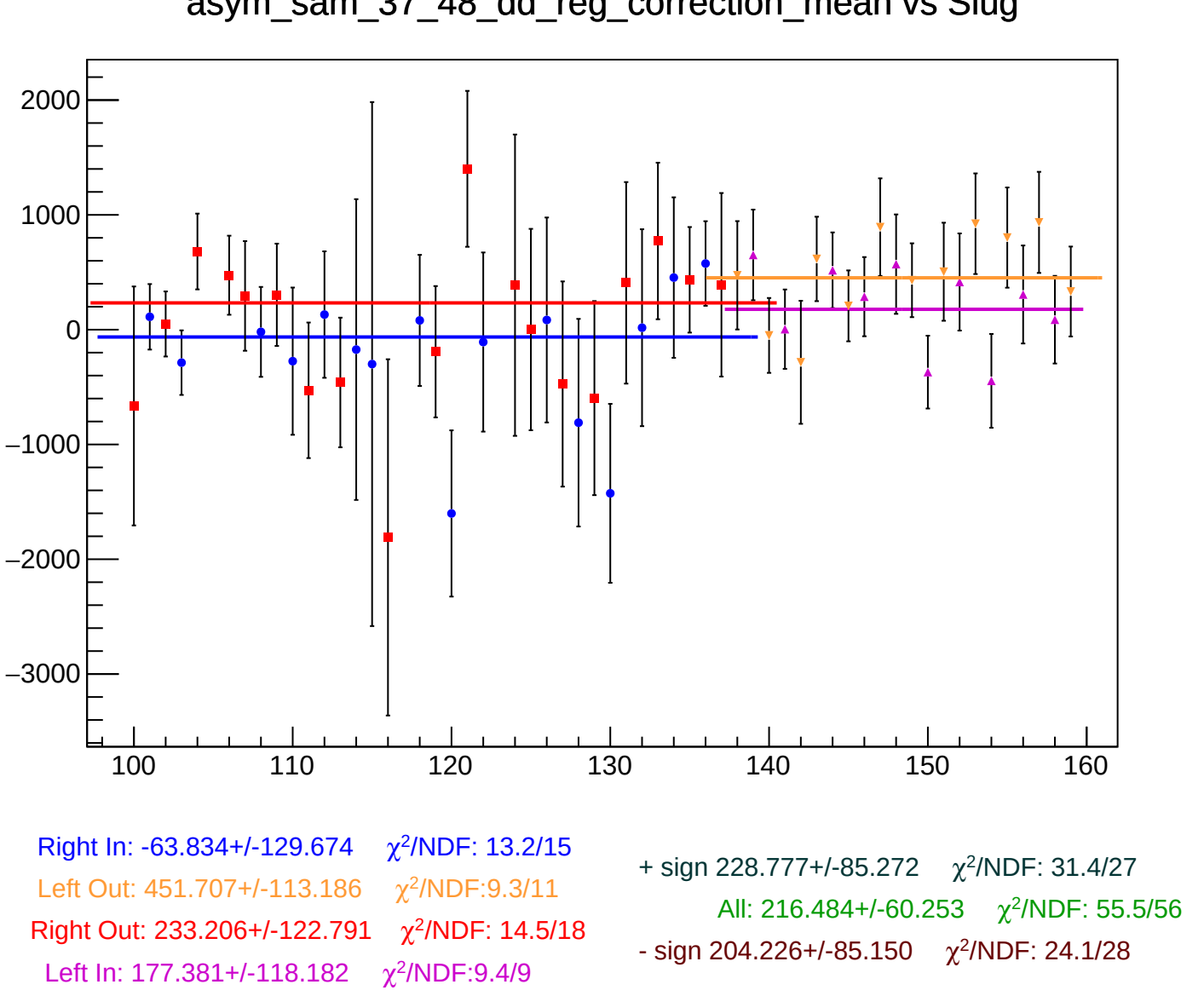
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

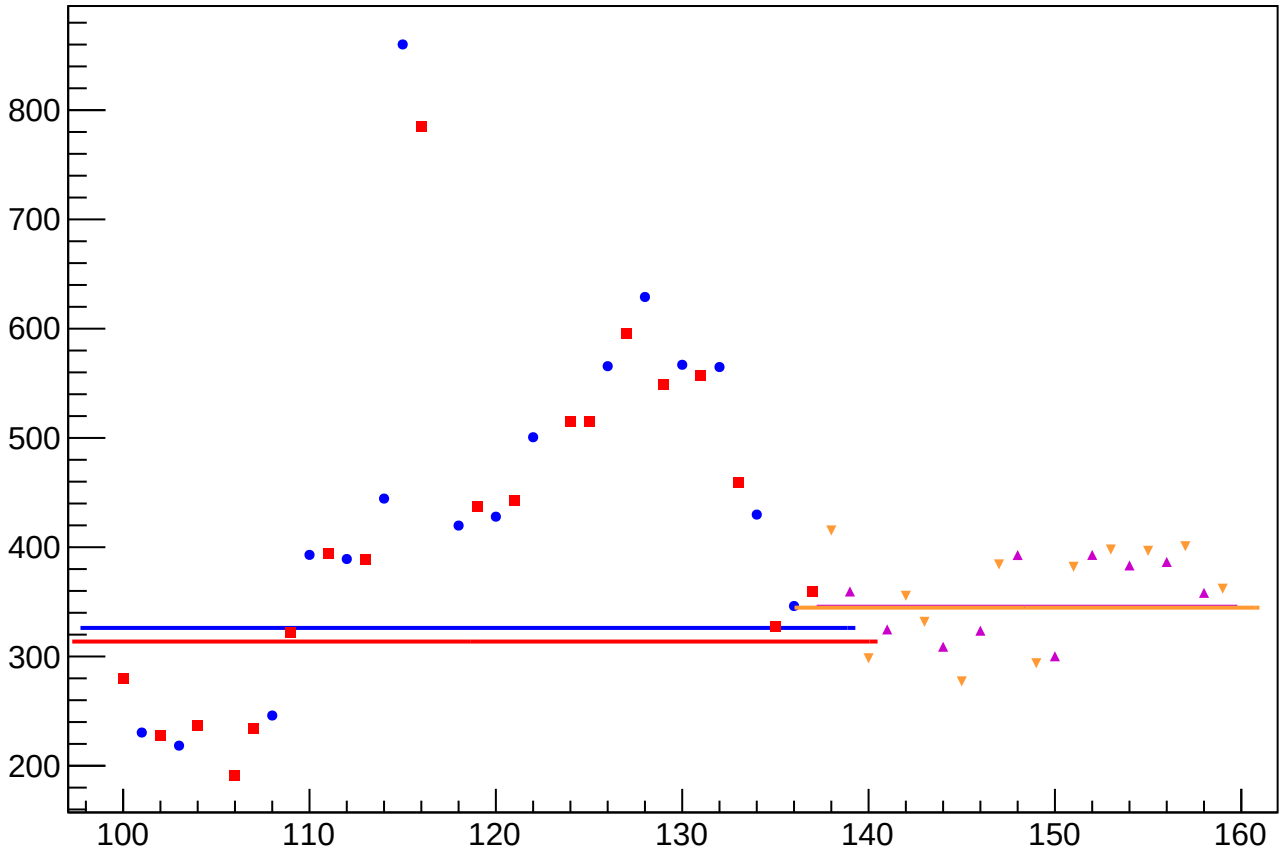
Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

+ sign 61.033+/-0.011 χ^2/NDF: 496568.1/27

All: 60.847+/-0.008 χ^2/NDF: 964449.9/56

- sign 60.656+/-0.011 χ^2/NDF: 467261.9/28


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: 177.381+/-118.182 χ²/NDF:9.4/9
+ sign 228.777+/-85.272 χ²/NDF: 31.4/27
All: 216.484+/-60.253 χ²/NDF: 55.5/56
- sign 204.226+/-85.150 χ²/NDF: 24.1/28



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

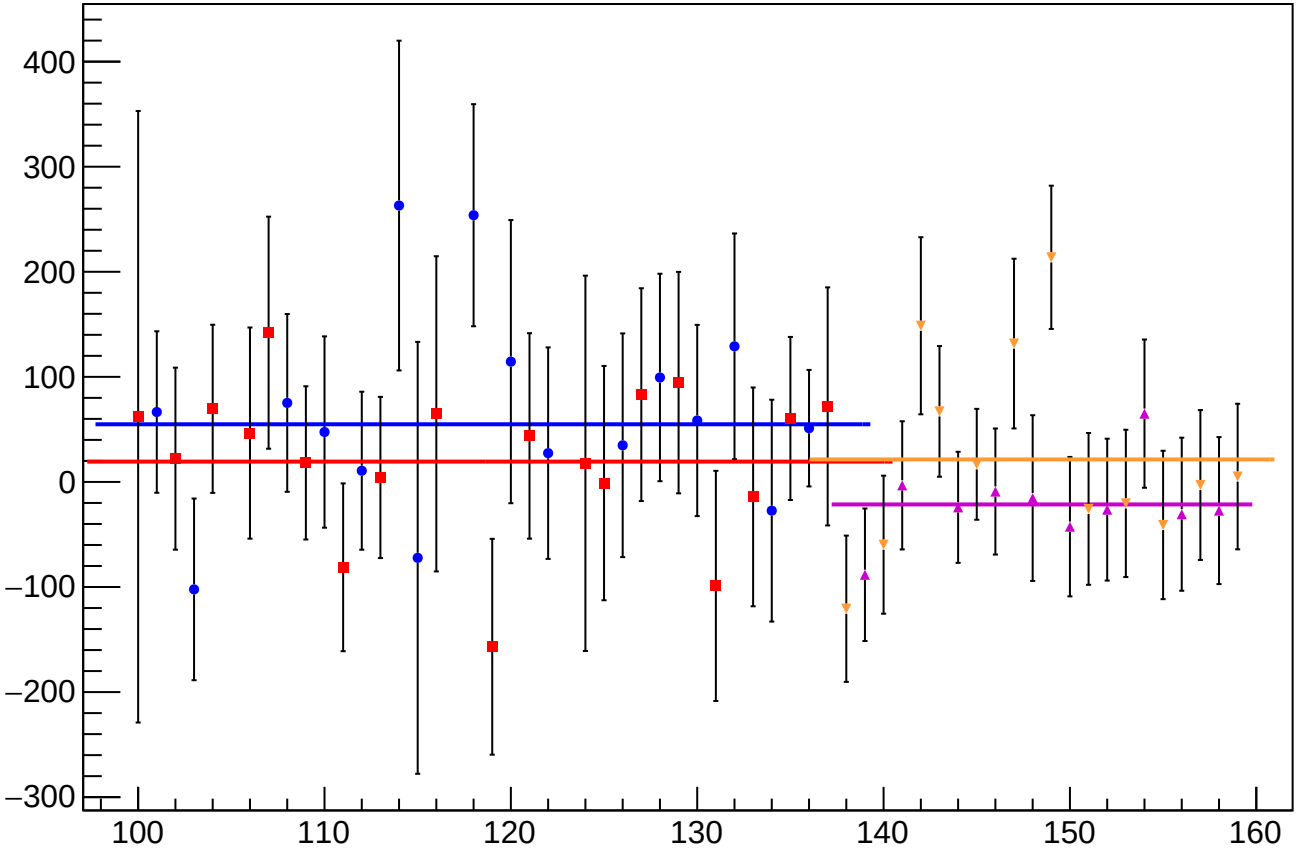
Left In: 345.545+/-0.084 χ^2/NDF:170075.5/9

+ sign 336.672+/-0.060 χ^2/NDF: 2118249.0/27

All: 333.440+/-0.043 χ^2/NDF: 4151362.8/56

- sign 330.218+/-0.060 χ^2/NDF: 2027378.1/28

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

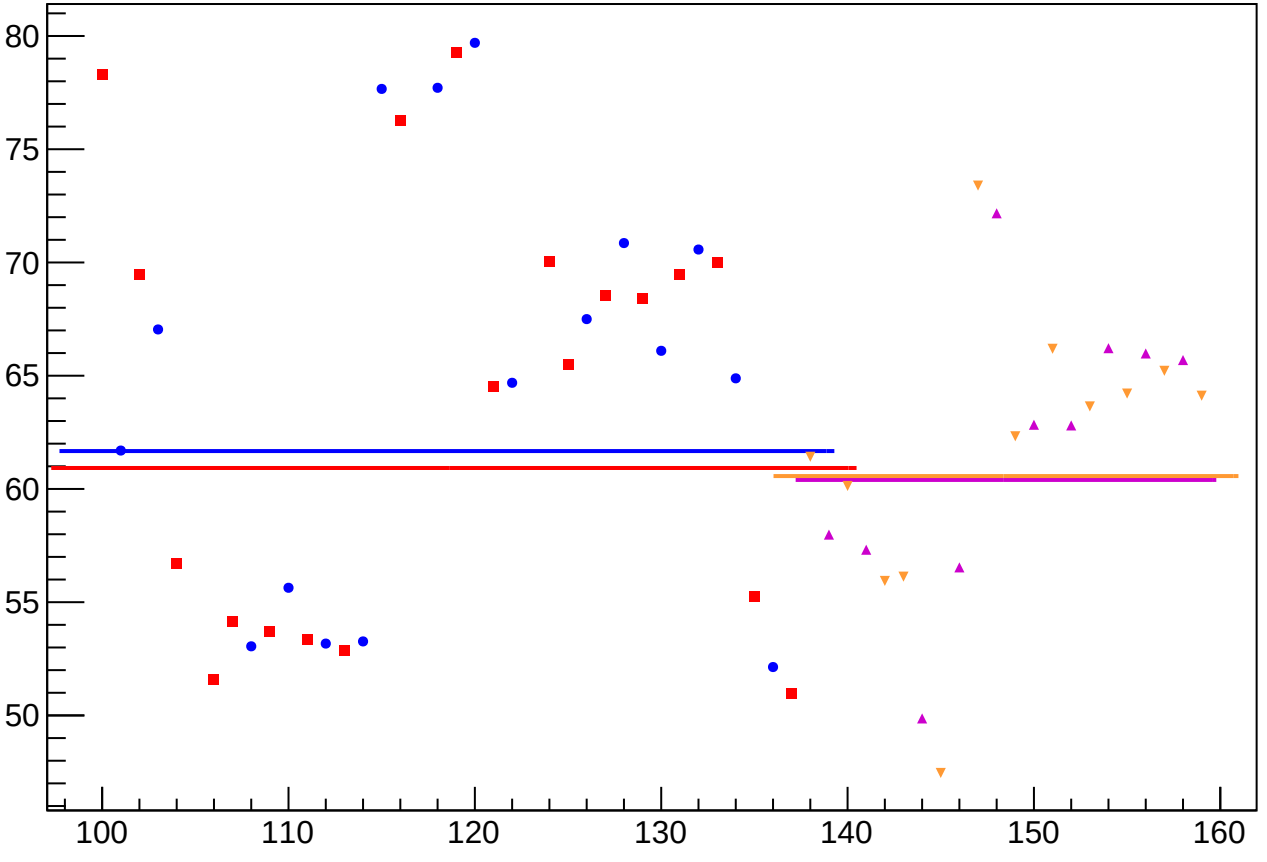
Left In: -21.418+/-20.595 χ^2/NDF:2.9/9

+ sign 35.480+/-15.029 χ^2/NDF: 32.3/27

All: 16.525+/-10.693 χ^2/NDF: 49.4/56

- sign -2.910+/-15.218 χ^2/NDF: 13.8/28

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

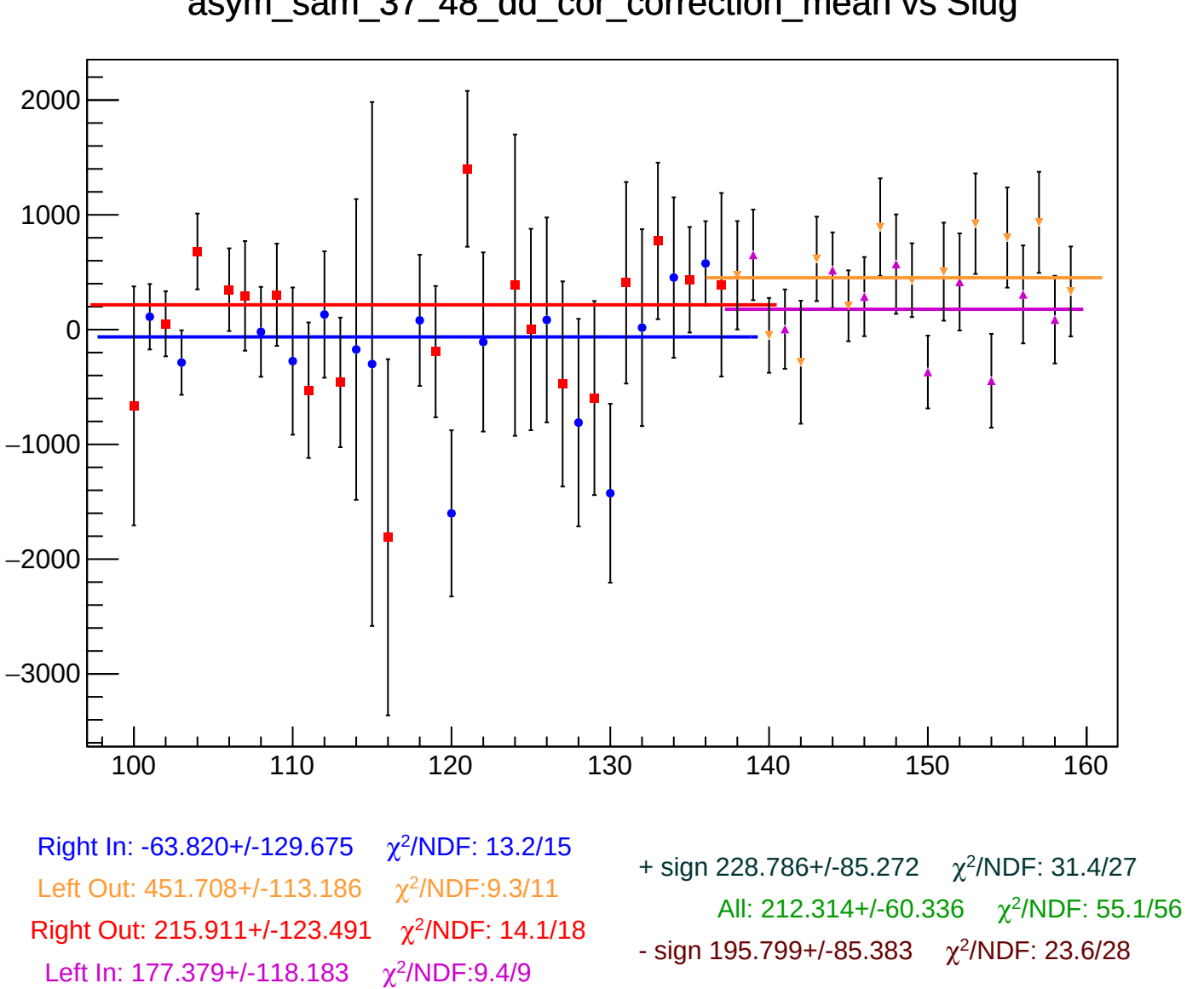
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

+ sign 61.033+/-0.011 χ^2/NDF: 496568.3/27

All: 60.838+/-0.008 χ^2/NDF: 967813.2/56

- sign 60.638+/-0.011 χ^2/NDF: 470561.9/28


asym_sam_37_48_dd_cor_correction_mean vs Slug
2000
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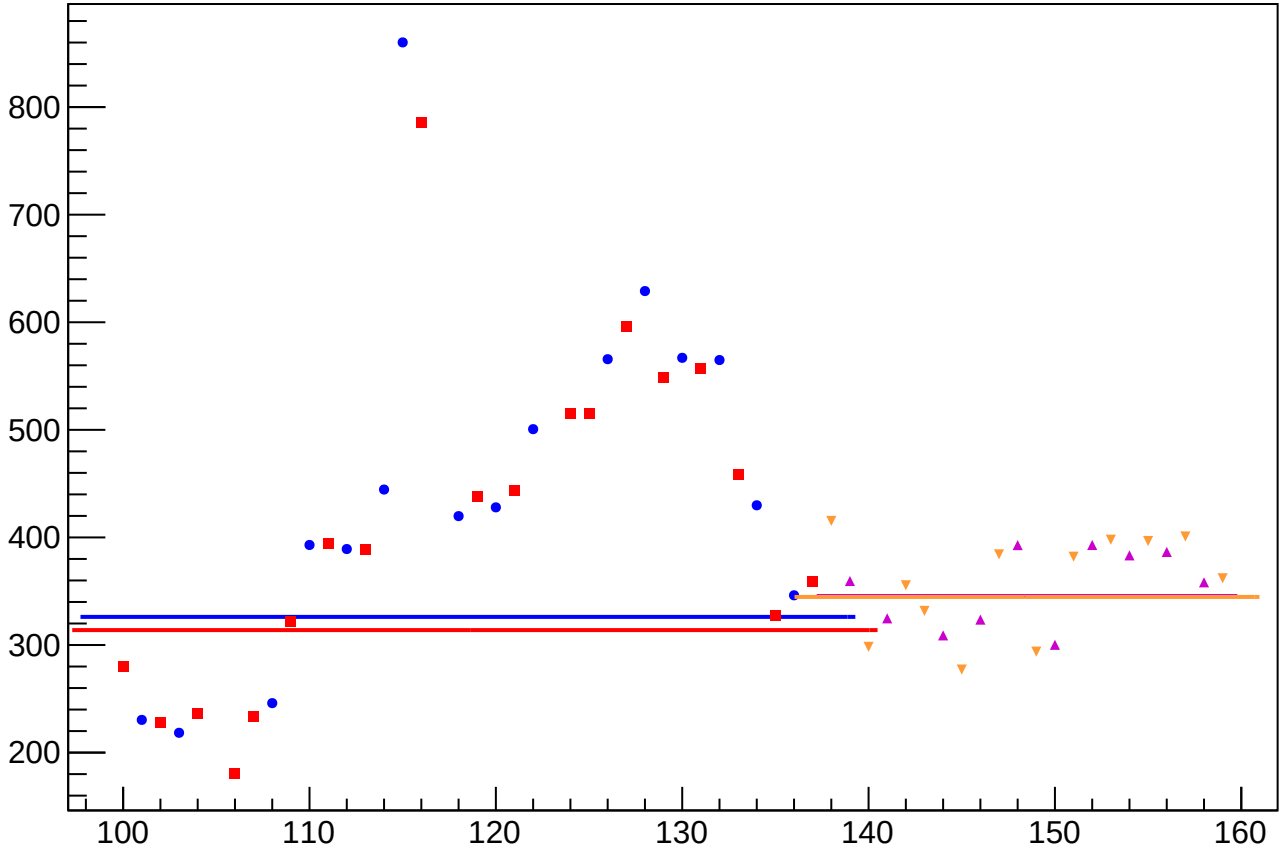
150
160
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 451.708+/-113.186 χ²/NDF:9.3/11
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 177.379+/-118.183 χ²/NDF:9.4/9
+ sign 228.786+/-85.272 χ²/NDF: 31.4/27
All: 212.314+/-60.336 χ²/NDF: 55.1/56
- sign 195.799+/-85.383 χ²/NDF: 23.6/28

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

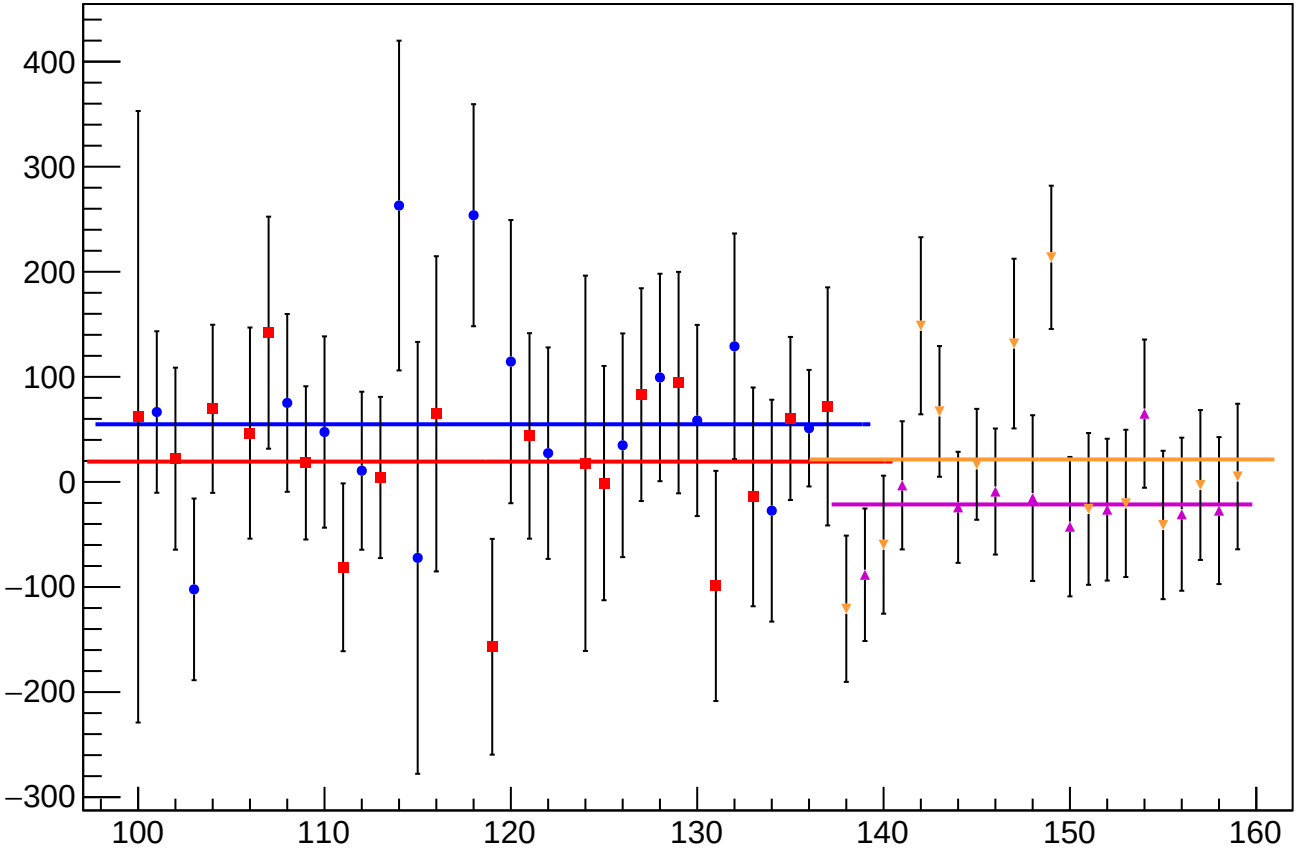
Left In: 345.546+/-0.084 χ^2/NDF:170073.6/9

+ sign 336.673+/-0.060 χ^2/NDF: 2118181.2/27

All: 333.540+/-0.043 χ^2/NDF: 4168162.1/56

- sign 330.399+/-0.060 χ^2/NDF: 2044574.6/28

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

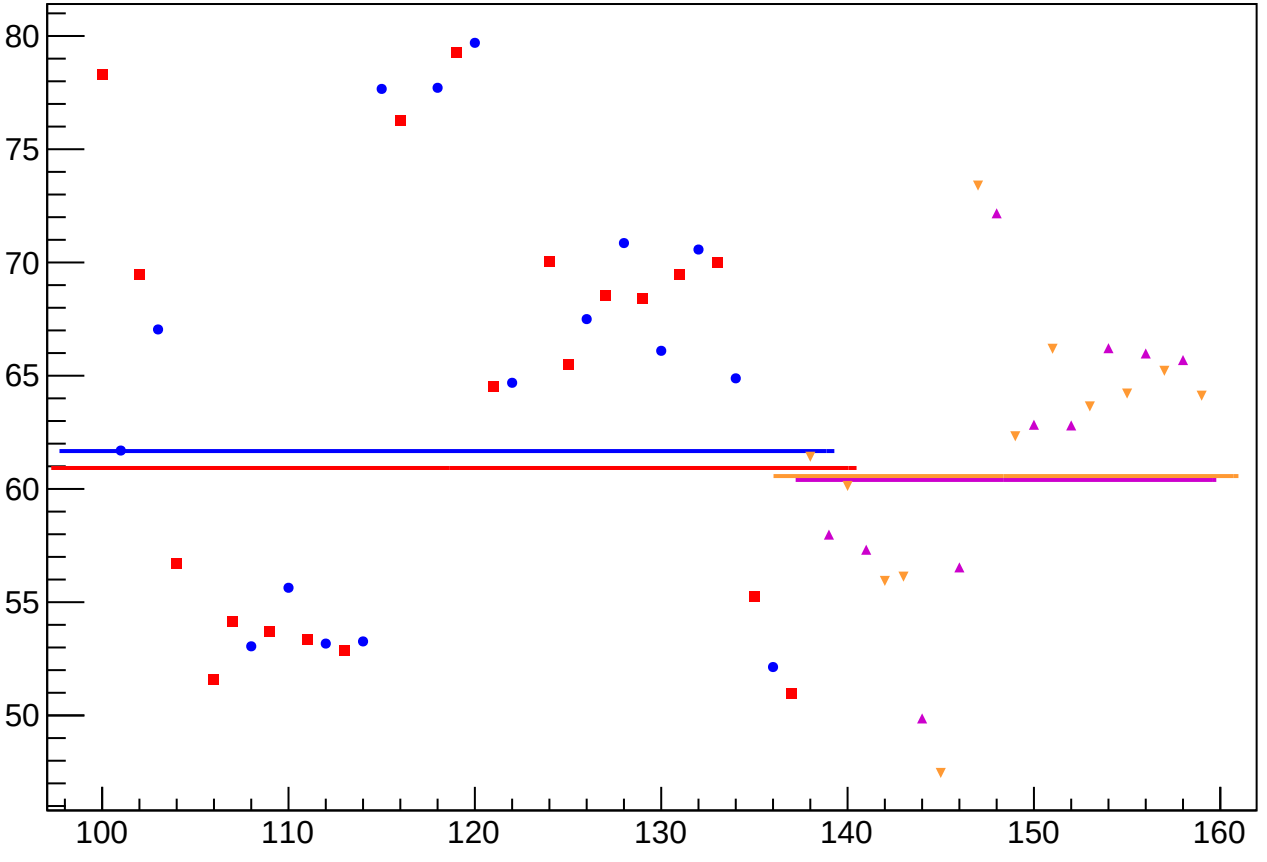
Left In: -21.418+/-20.595 χ^2/NDF:2.9/9

+ sign 35.480+/-15.029 χ^2/NDF: 32.3/27

All: 16.525+/-10.693 χ^2/NDF: 49.4/56

- sign -2.910+/-15.218 χ^2/NDF: 13.8/28

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

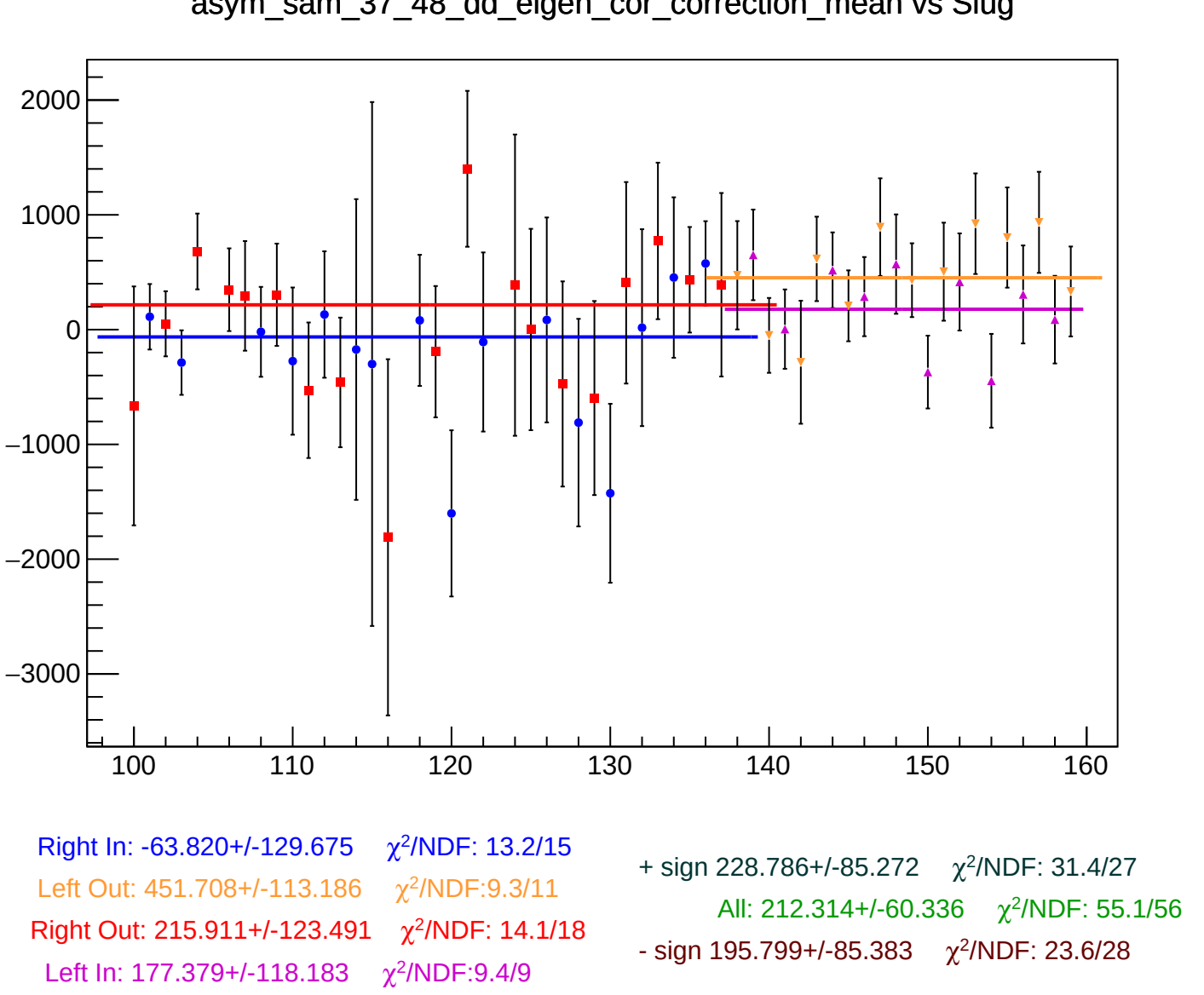
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.398+/-0.015 χ^2/NDF:182387.0/9

+ sign 61.033+/-0.011 χ^2/NDF: 496568.3/27

All: 60.838+/-0.008 χ^2/NDF: 967813.2/56

- sign 60.638+/-0.011 χ^2/NDF: 470561.9/28


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug
2000
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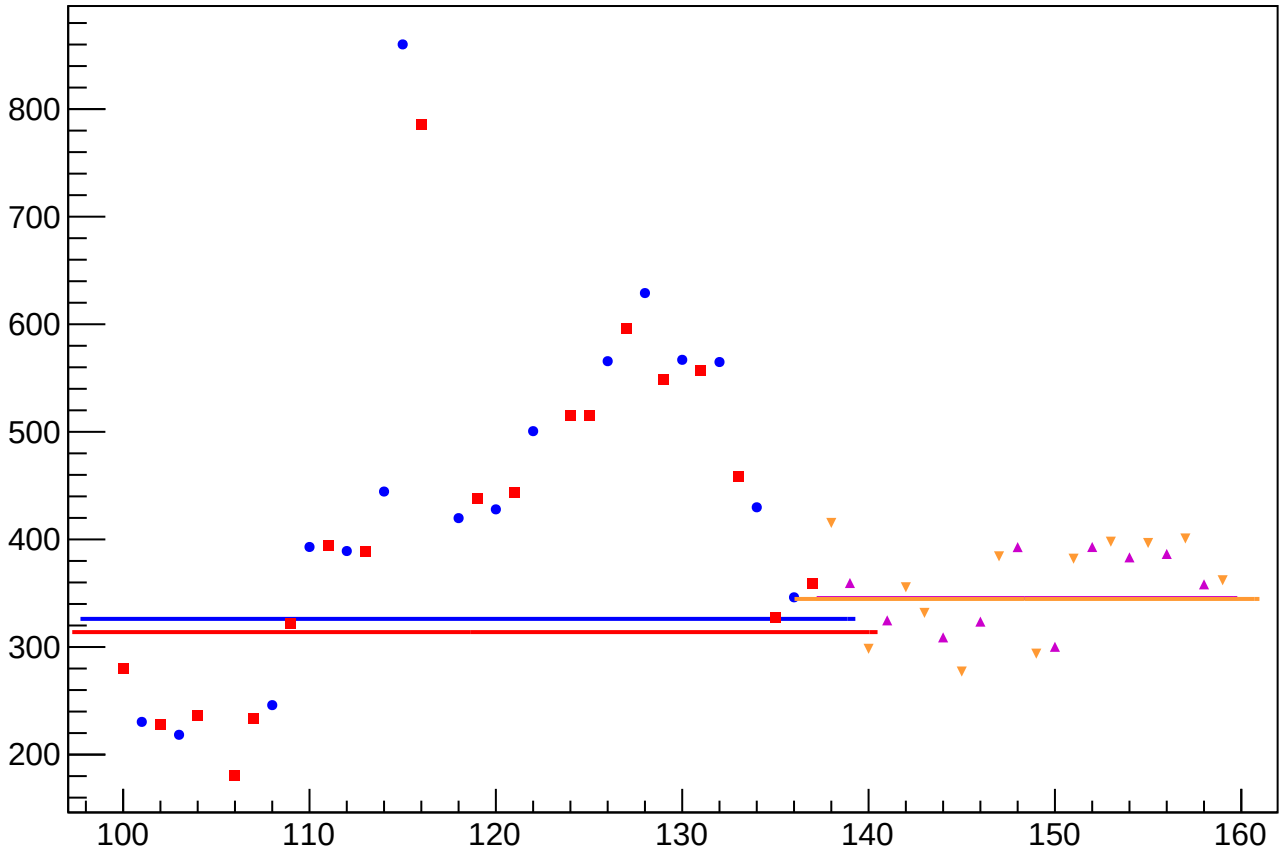
160
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 451.708+/-113.186 χ²/NDF:9.3/11
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 177.379+/-118.183 χ²/NDF:9.4/9
+ sign 228.786+/-85.272 χ²/NDF: 31.4/27
All: 212.314+/-60.336 χ²/NDF: 55.1/56
- sign 195.799+/-85.383 χ²/NDF: 23.6/28



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 344.690+/-0.080 χ^2/NDF:361044.0/11

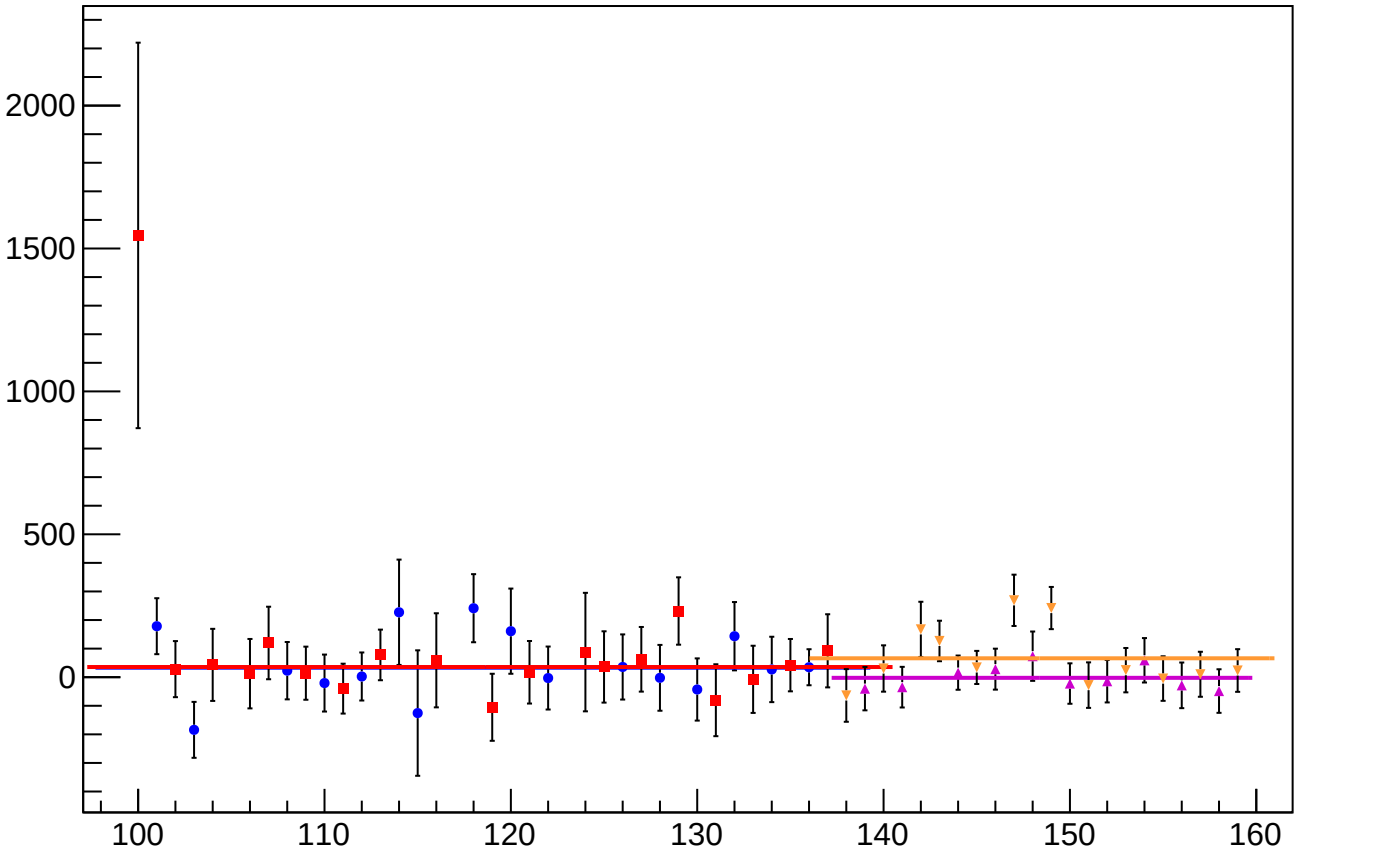
Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 345.546+/-0.084 χ^2/NDF:170073.6/9

+ sign 336.673+/-0.060 χ^2/NDF: 2118181.2/27

All: 333.540+/-0.043 χ^2/NDF: 4168162.1/56

- sign 330.399+/-0.060 χ^2/NDF: 2044574.6/28



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

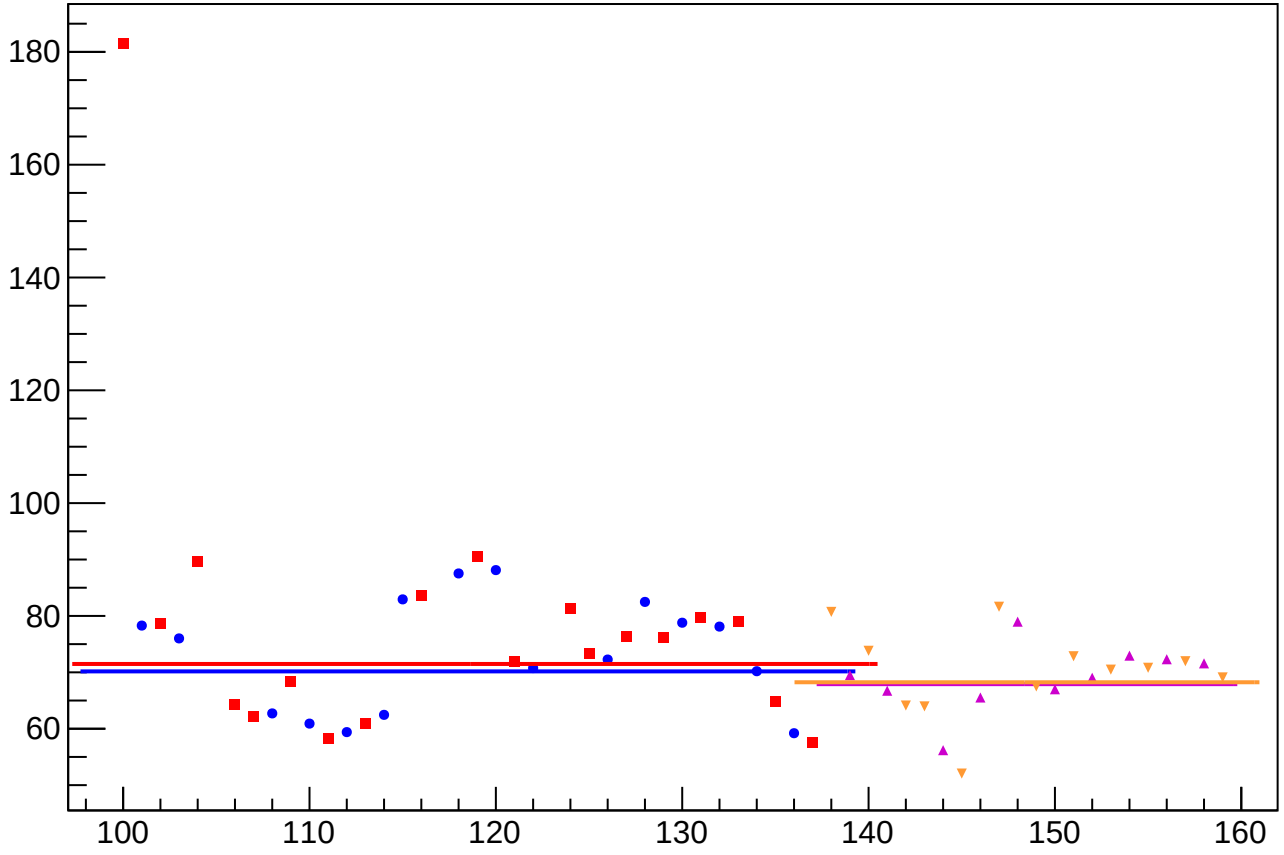
Left In: -2.211+/-23.216 χ^2/NDF:2.7/9

+ sign 52.517+/-17.039 χ^2/NDF: 33.9/27

All: 33.827+/-12.199 χ^2/NDF: 52.3/56

- sign 14.172+/-17.473 χ^2/NDF: 16.0/28

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

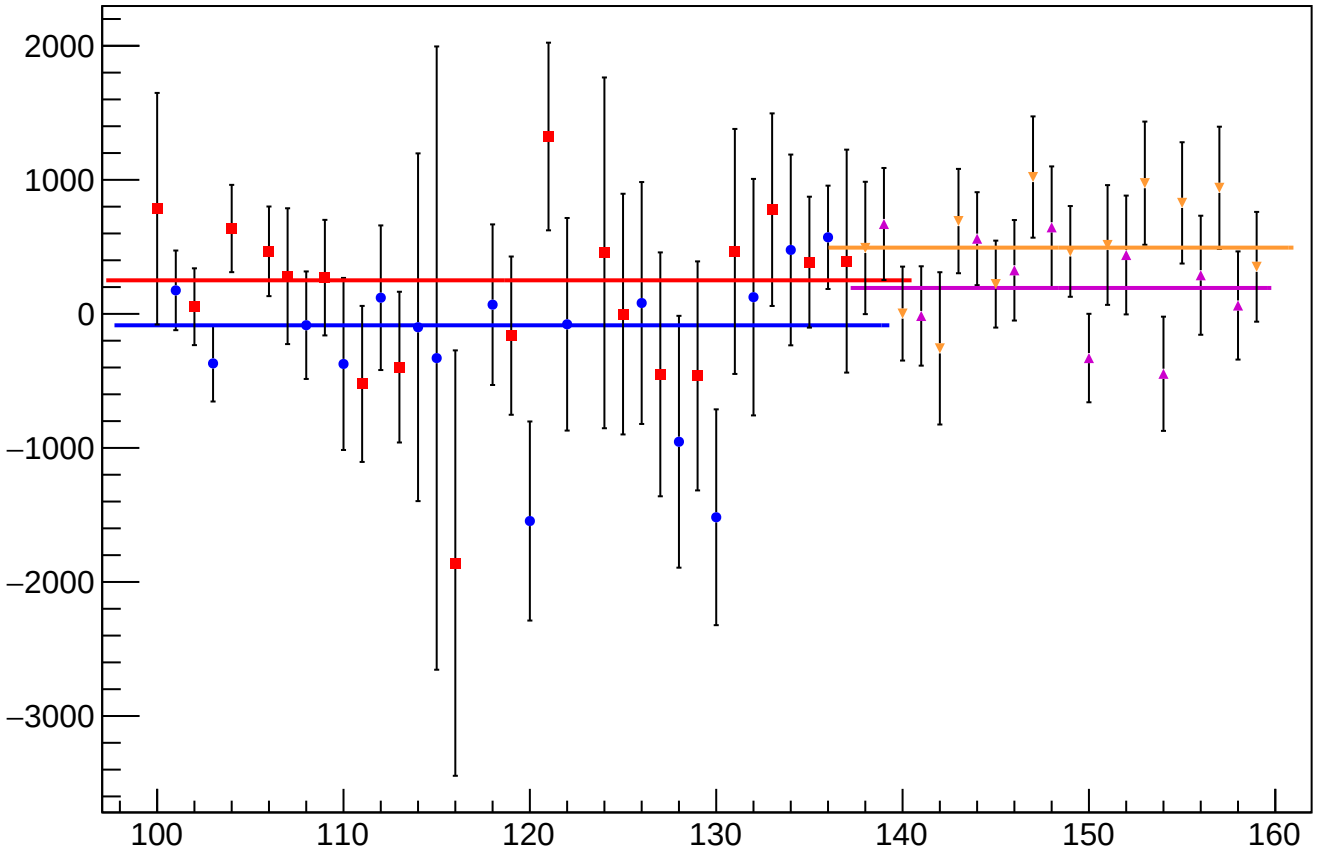
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 67.905+/-0.016 χ^2/NDF:133047.4/9

+ sign 69.042+/-0.012 χ^2/NDF: 548816.0/27

All: 69.244+/-0.009 χ^2/NDF: 1028753.4/56

- sign 69.456+/-0.012 χ^2/NDF: 479361.2/28



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

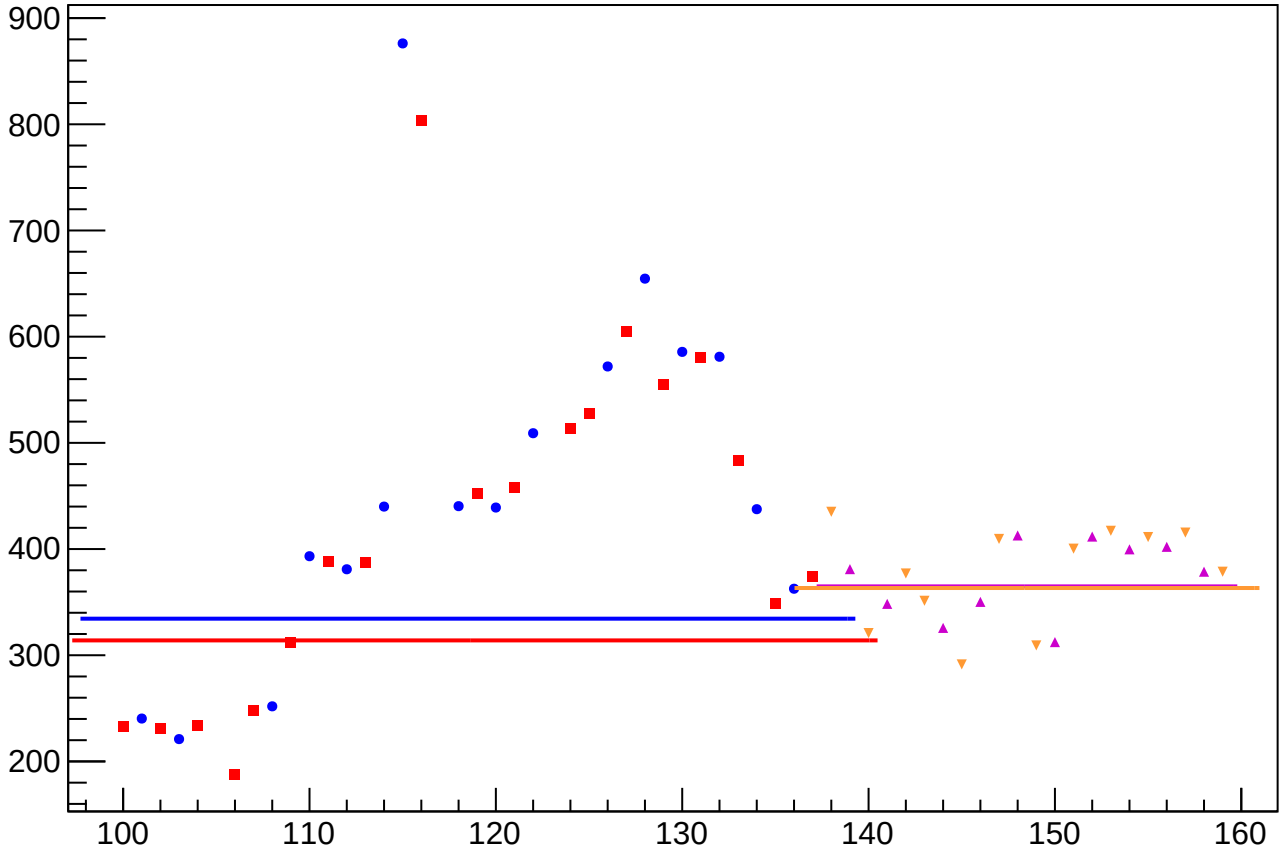
Left In: 193.423+/-124.740 χ^2/NDF:9.1/9

+ sign 236.072+/-88.702 χ^2/NDF: 33.0/27

All: 229.088+/-62.361 χ^2/NDF: 54.7/56

- sign 222.262+/-87.692 χ^2/NDF: 21.7/28

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

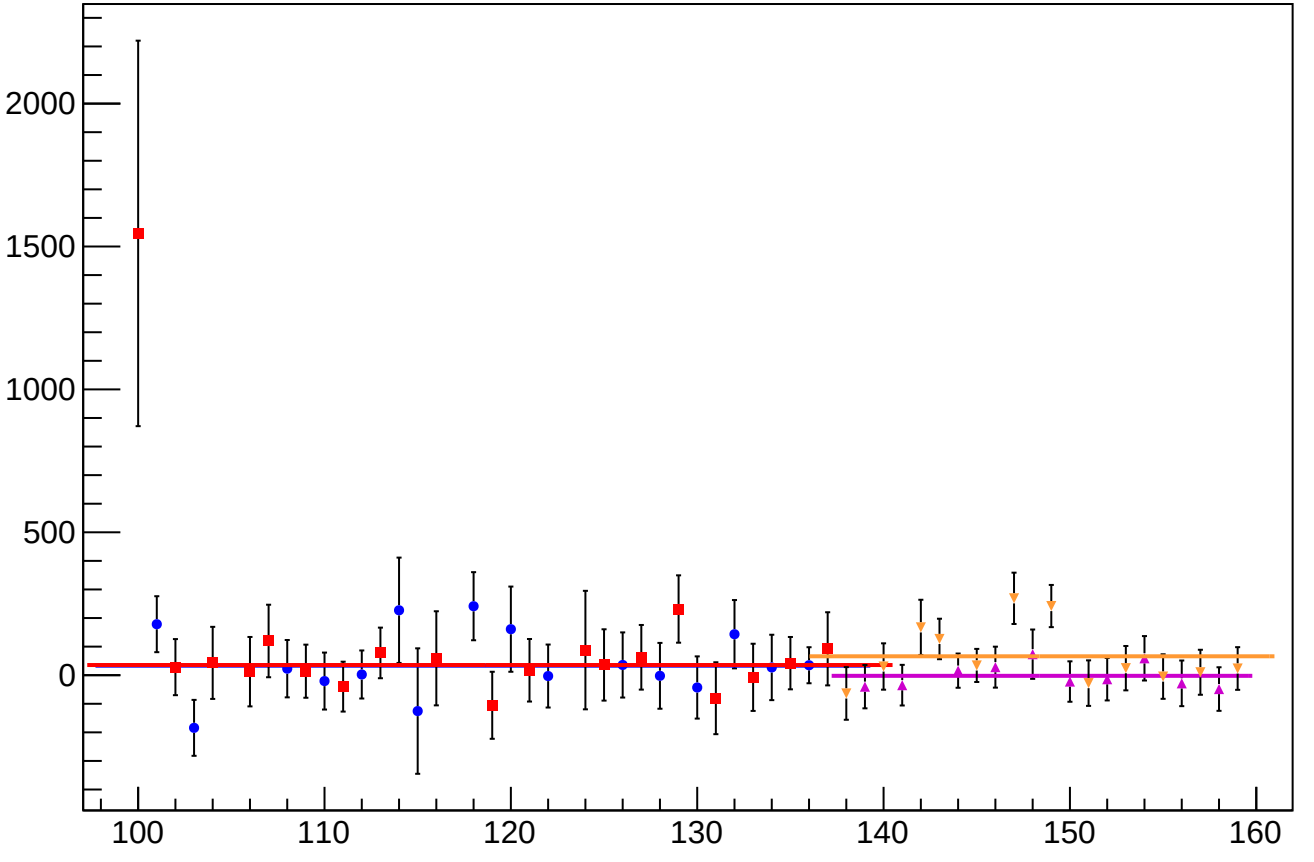
Left In: 364.851+/-0.088 χ^2/NDF:160446.7/9

+ sign 350.440+/-0.063 χ^2/NDF: 2120719.3/27

All: 344.713+/-0.044 χ^2/NDF: 4370556.6/56

- sign 339.116+/-0.062 χ^2/NDF: 2233351.5/28

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

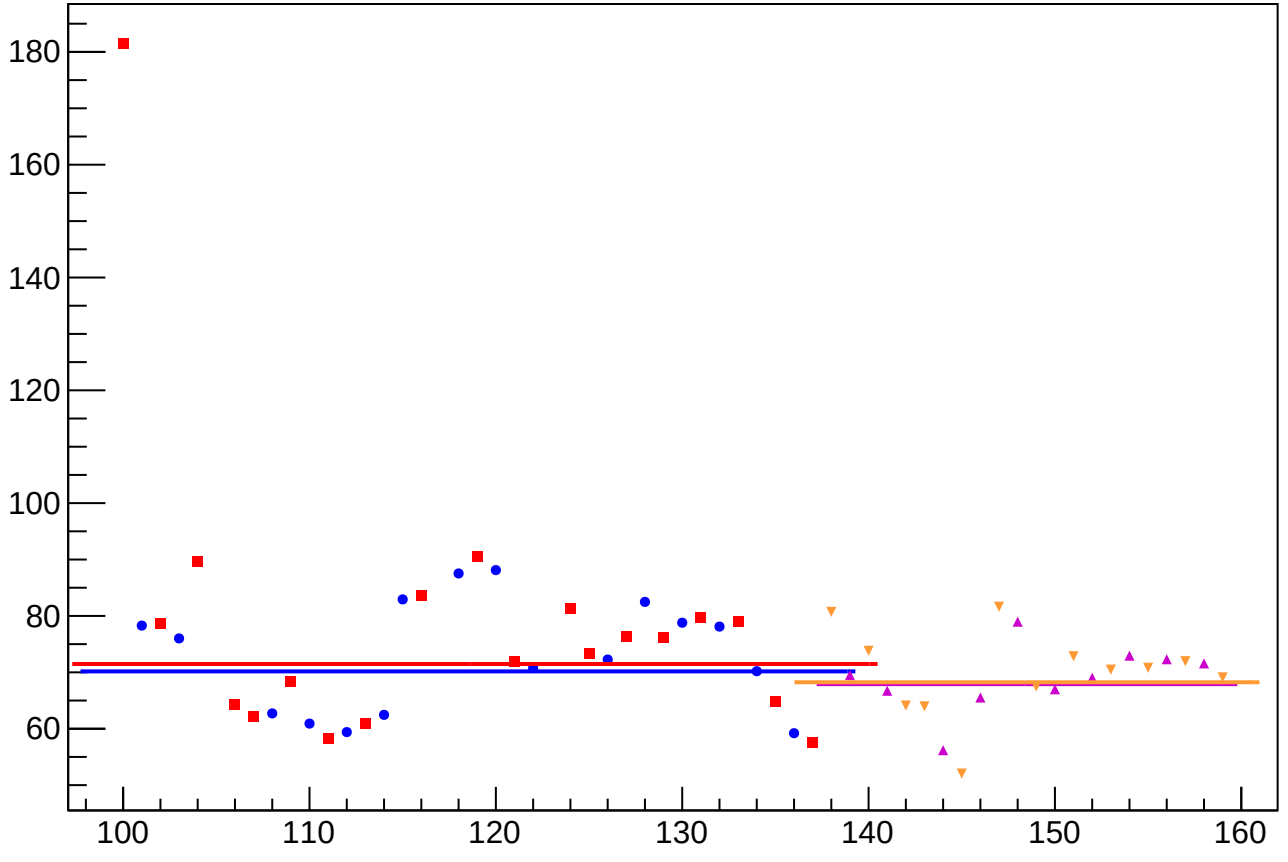
Left In: -2.212+/-23.216 χ^2/NDF:2.7/9

+ sign 52.517+/-17.039 χ^2/NDF: 33.9/27

All: 33.826+/-12.199 χ^2/NDF: 52.3/56

- sign 14.172+/-17.473 χ^2/NDF: 16.0/28

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

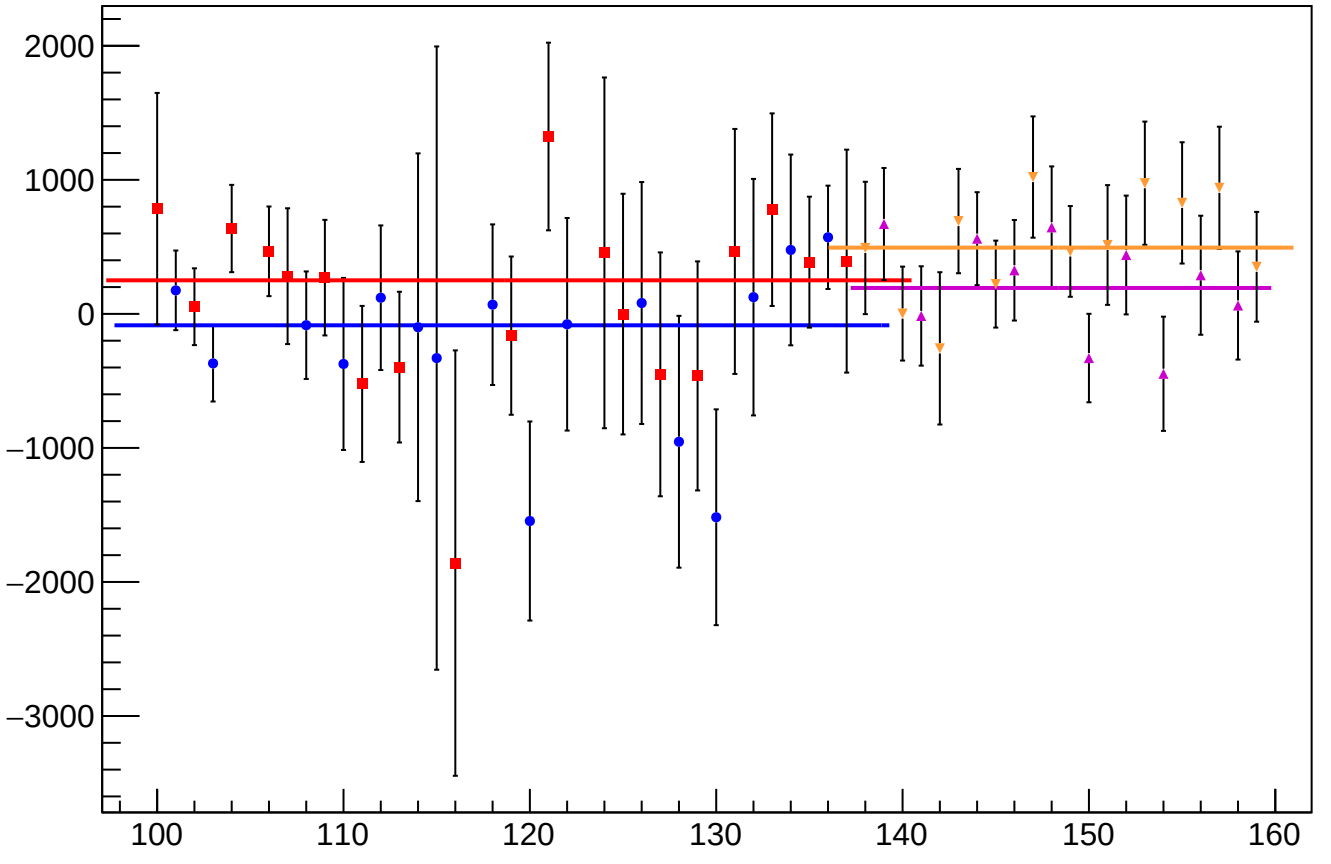
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 67.905+/-0.016 χ^2/NDF:133048.5/9

+ sign 69.042+/-0.012 χ^2/NDF: 548824.5/27

All: 69.244+/-0.009 χ^2/NDF: 1028770.5/56

- sign 69.456+/-0.012 χ^2/NDF: 479369.9/28



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

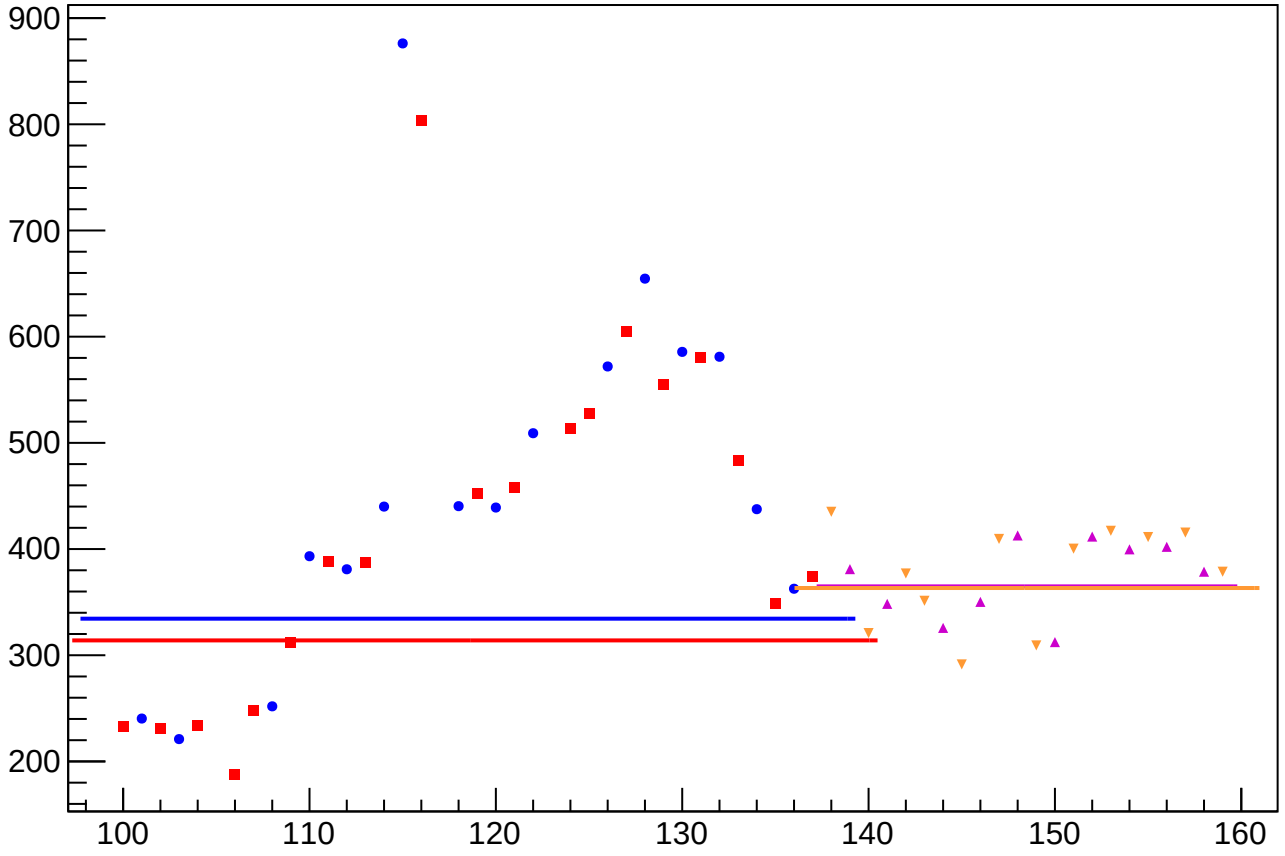
Left In: 193.423+/-124.740 χ^2/NDF:9.1/9

+ sign 236.071+/-88.702 χ^2/NDF: 33.0/27

All: 229.088+/-62.361 χ^2/NDF: 54.7/56

- sign 222.262+/-87.692 χ^2/NDF: 21.7/28

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 363.309+/-0.084 χ^2/NDF:337744.4/11

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

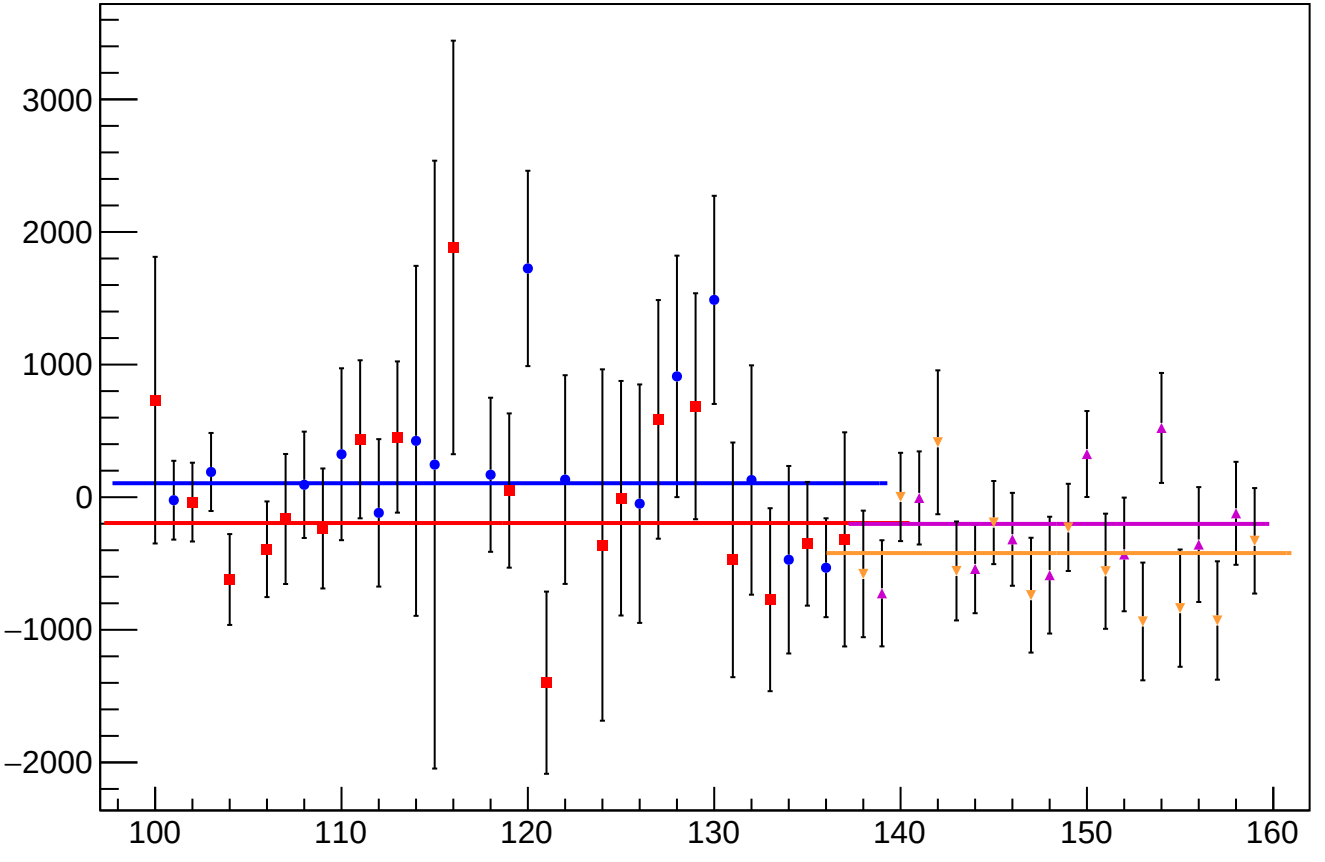
Left In: 364.851+/-0.088 χ^2/NDF:160446.4/9

+ sign 350.440+/-0.063 χ^2/NDF: 2120720.6/27

All: 344.713+/-0.044 χ^2/NDF: 4370556.3/56

- sign 339.116+/-0.062 χ^2/NDF: 2233349.9/28

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

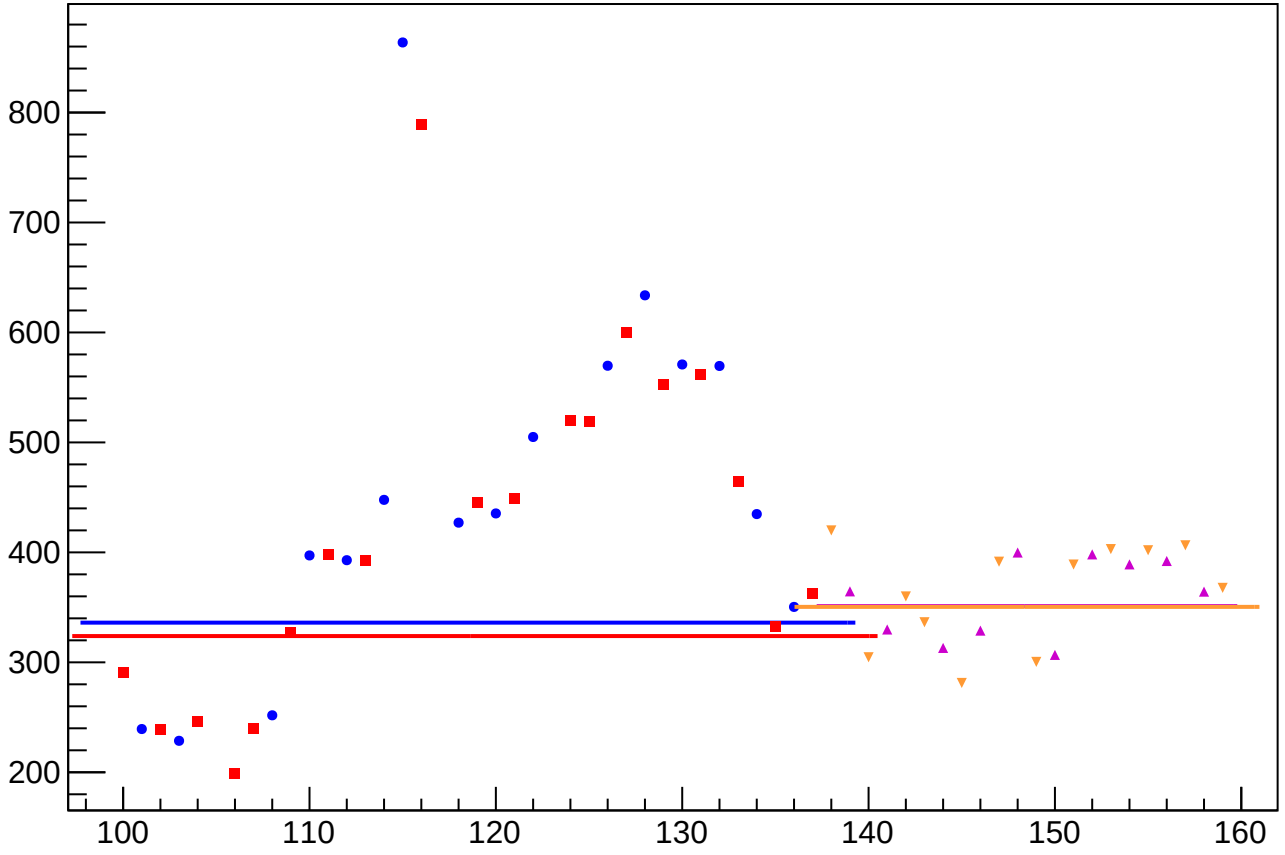
Left In: -201.332+/-120.061 χ^2/NDF:10.1/9

+ sign -196.038+/-87.010 χ^2/NDF: 31.3/27

All: -197.113+/-61.517 χ^2/NDF: 54.5/56

- sign -198.187+/-86.985 χ^2/NDF: 23.2/28

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

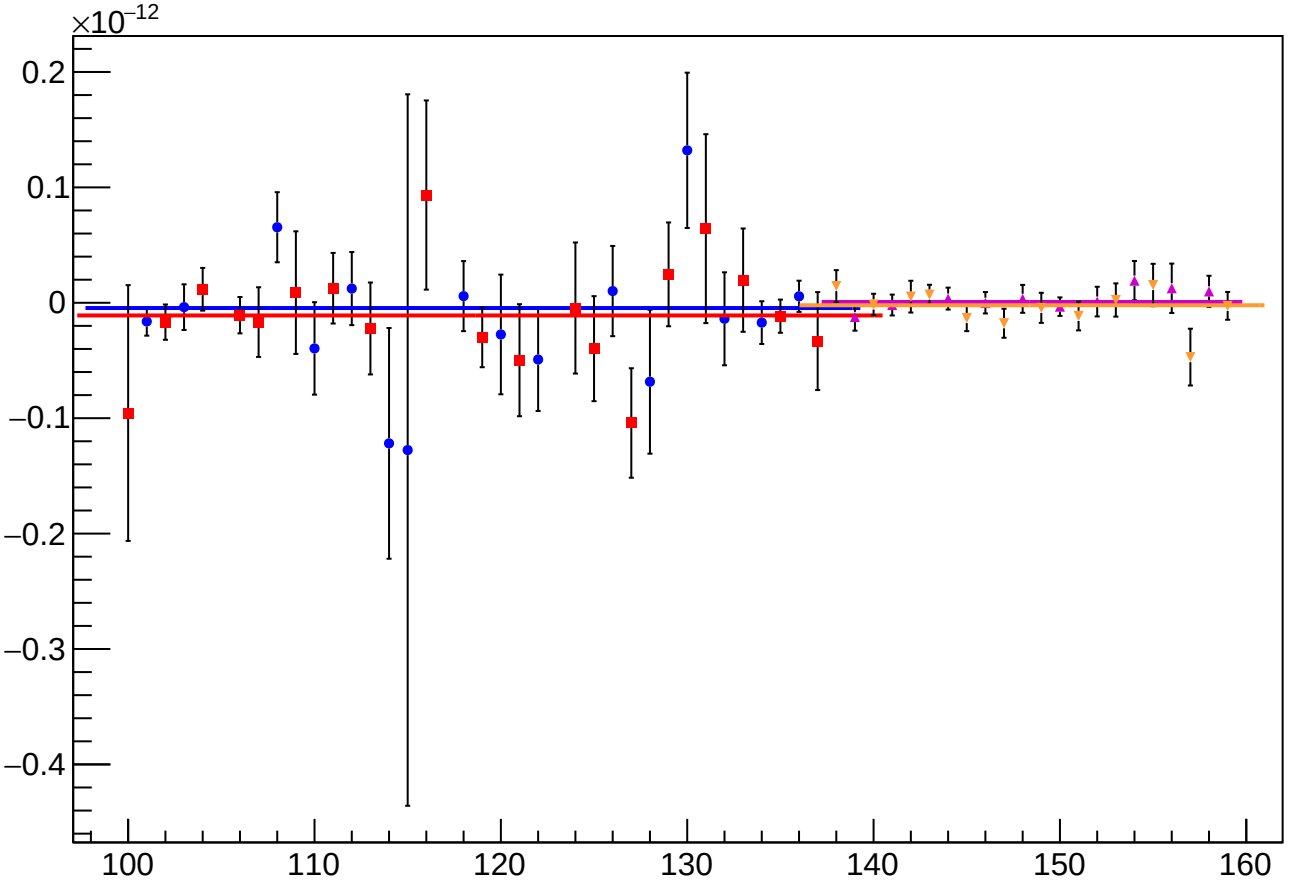
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 351.140+/-0.085 χ^2/NDF:166642.9/9

+ sign 344.301+/-0.062 χ^2/NDF: 1983951.8/27

All: 341.245+/-0.043 χ^2/NDF: 3869911.3/56

- sign 338.191+/-0.062 χ^2/NDF: 1881028.4/28



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

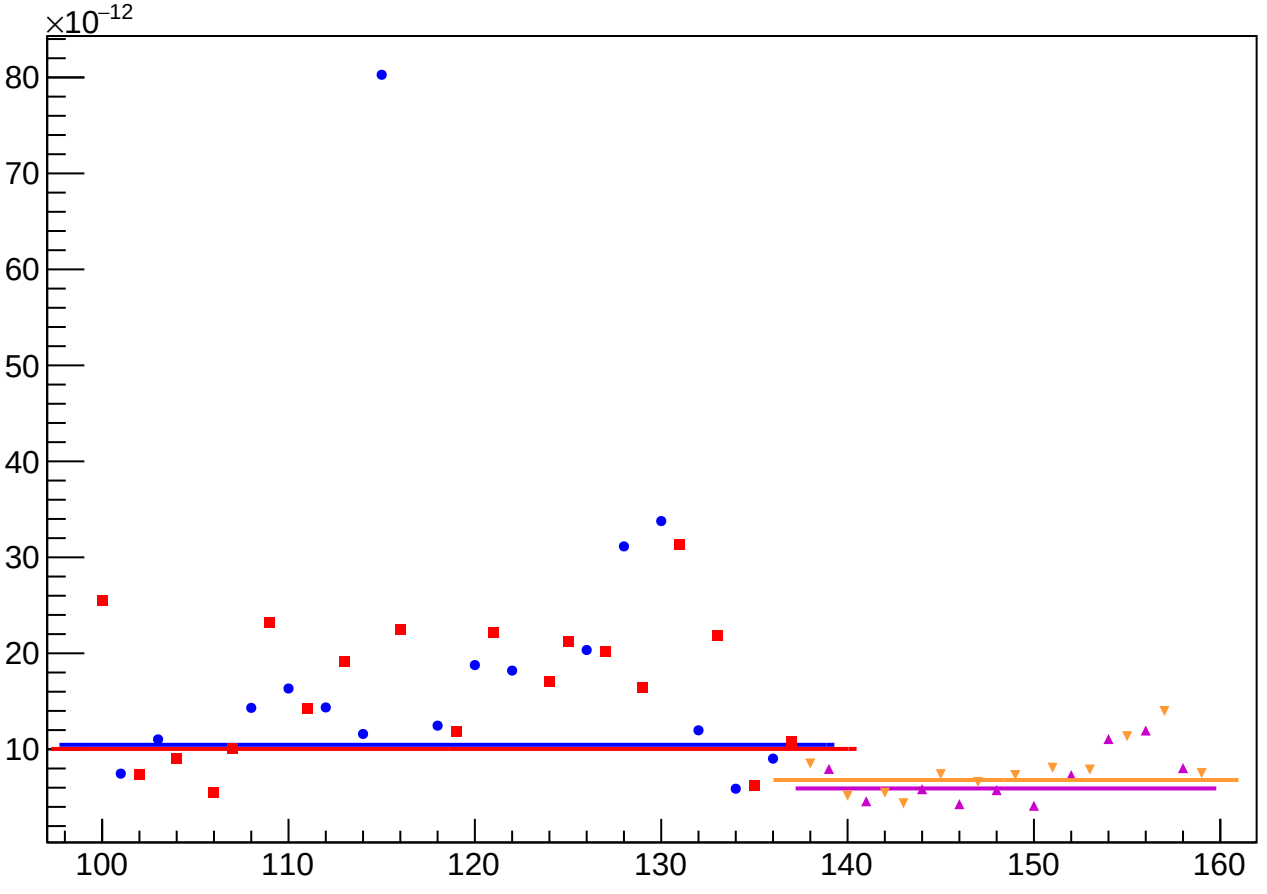
Left In: 0.000+/-0.000 χ^2/NDF:3.6/9

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/27

All: -0.000+/-0.000 χ^2/NDF: 45.5/56

- sign -0.000+/-0.000 χ^2/NDF: 18.5/28

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

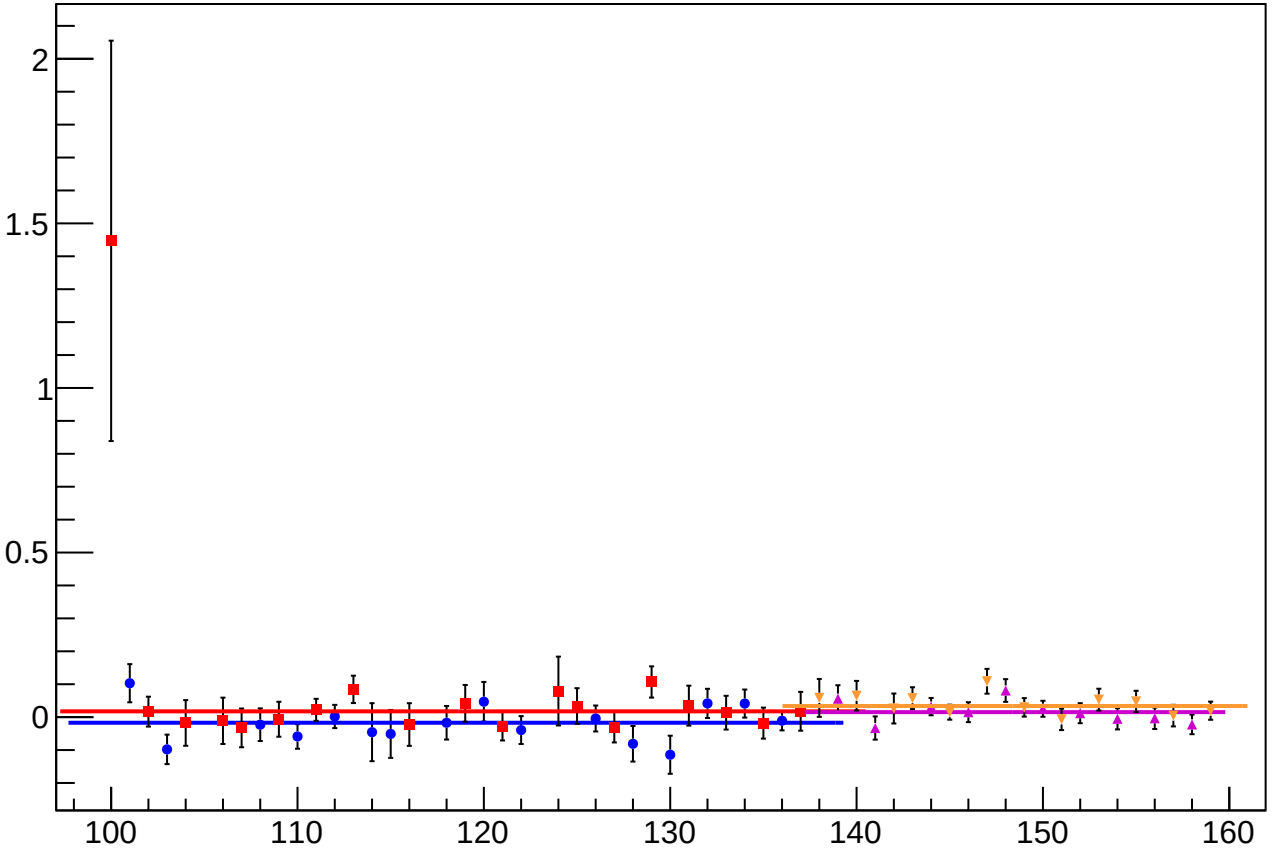
Left In: 0.000+/-0.000 χ^2/NDF:680050.2/9

+ sign 0.000+/-0.000 χ^2/NDF: 2293262.1/27

All: 0.000+/-0.000 χ^2/NDF: 5089616.8/56

- sign 0.000+/-0.000 χ^2/NDF: 2730617.9/28

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

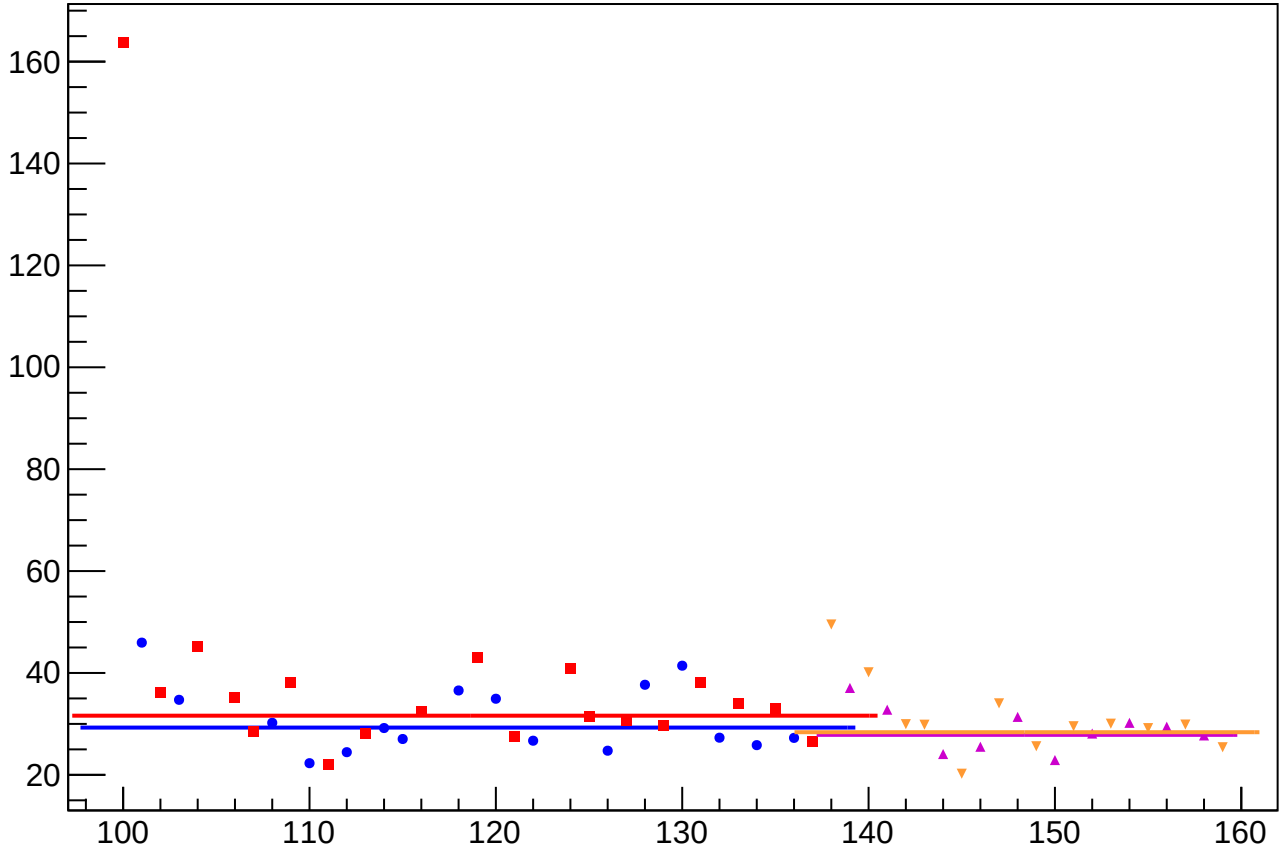
Left In: 0.015+/-0.010 χ^2/NDF:9.4/9

+ sign 0.013+/-0.007 χ^2/NDF: 39.6/27

All: 0.014+/-0.005 χ^2/NDF: 66.0/56

- sign 0.016+/-0.008 χ^2/NDF: 26.3/28

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

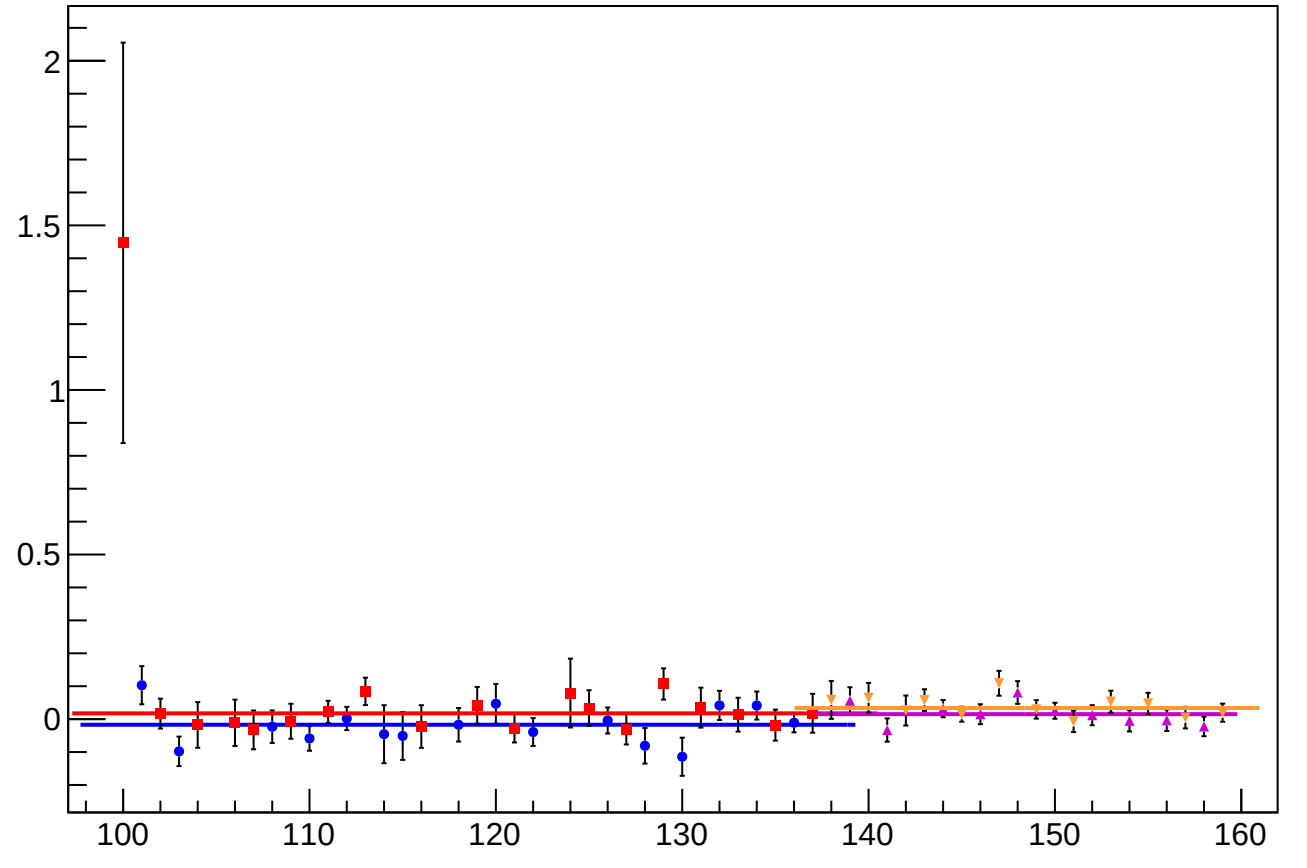
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.852+/-0.007 χ^2/NDF:313504.5/9

+ sign 28.744+/-0.005 χ^2/NDF: 1336144.4/27

All: 29.023+/-0.004 χ^2/NDF: 2345517.9/56

- sign 29.326+/-0.005 χ^2/NDF: 1003224.2/28



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.034+/-0.009 χ^2/NDF:9.0/11

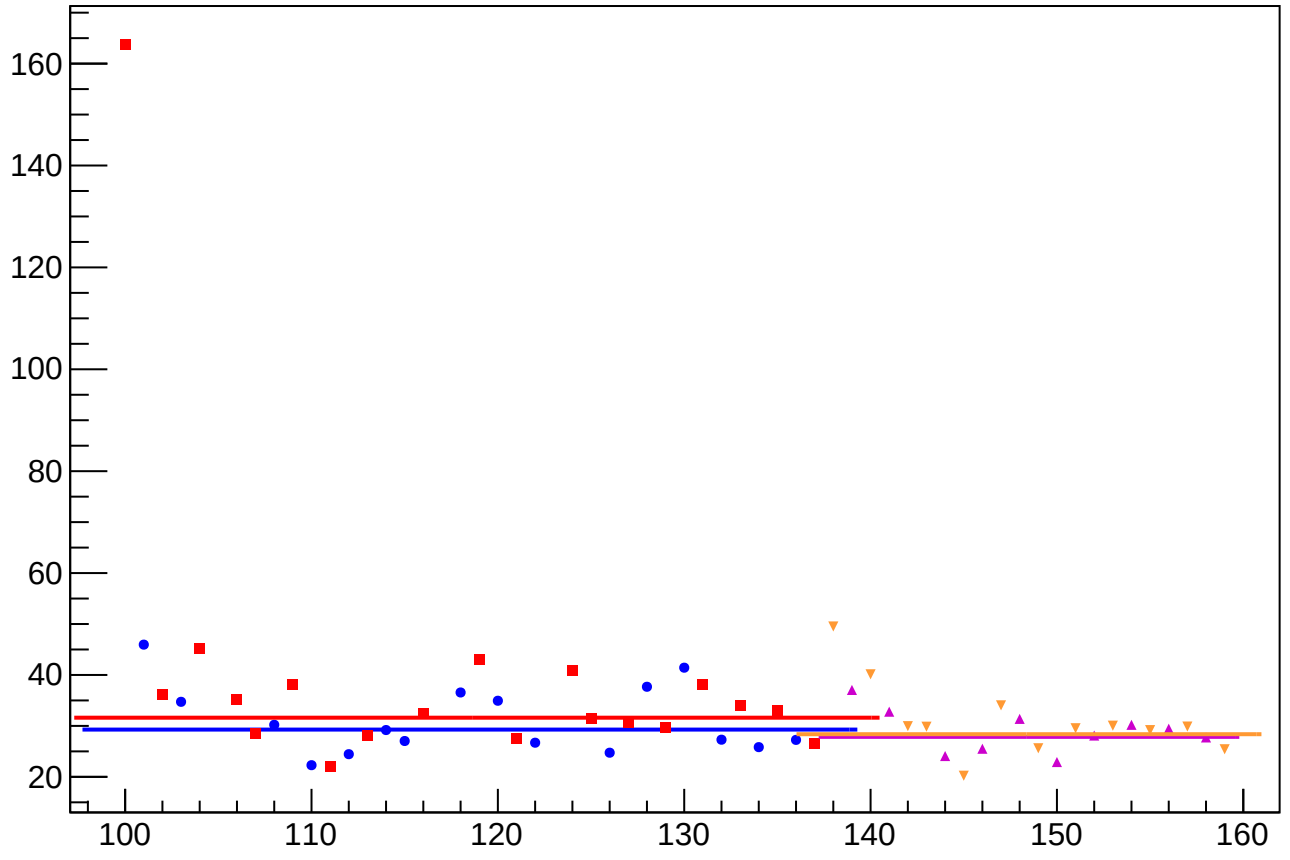
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.015+/-0.010 χ^2/NDF:9.4/9

+ sign 0.013+/-0.007 χ^2/NDF: 39.6/27

All: 0.014+/-0.005 χ^2/NDF: 66.0/56

- sign 0.016+/-0.008 χ^2/NDF: 26.3/28



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.371+/-0.007 χ^2/NDF:767946.8/11

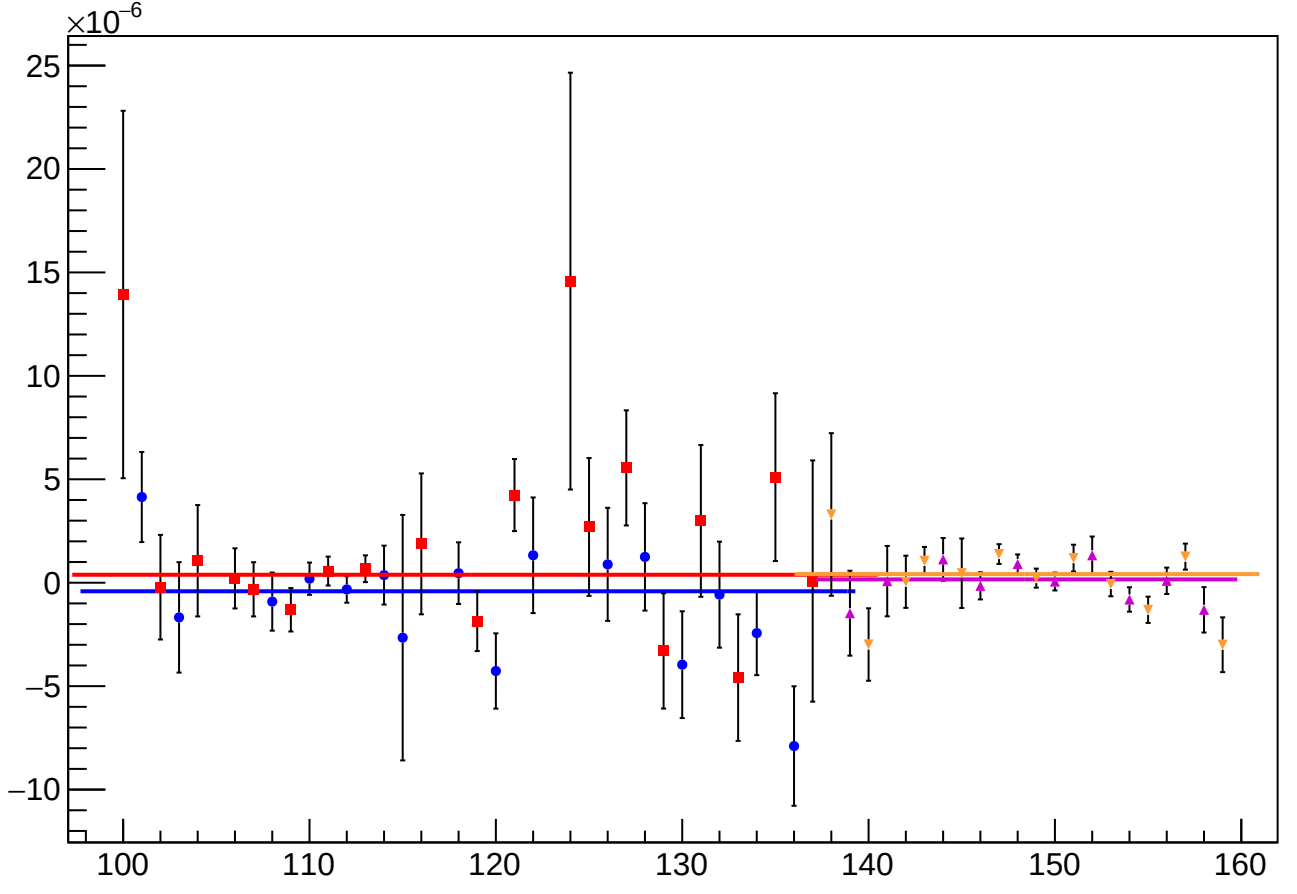
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.852+/-0.007 χ^2/NDF:313504.5/9

+ sign 28.744+/-0.005 χ^2/NDF: 1336144.4/27

All: 29.023+/-0.004 χ^2/NDF: 2345517.9/56

- sign 29.326+/-0.005 χ^2/NDF: 1003224.2/28



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.5/11

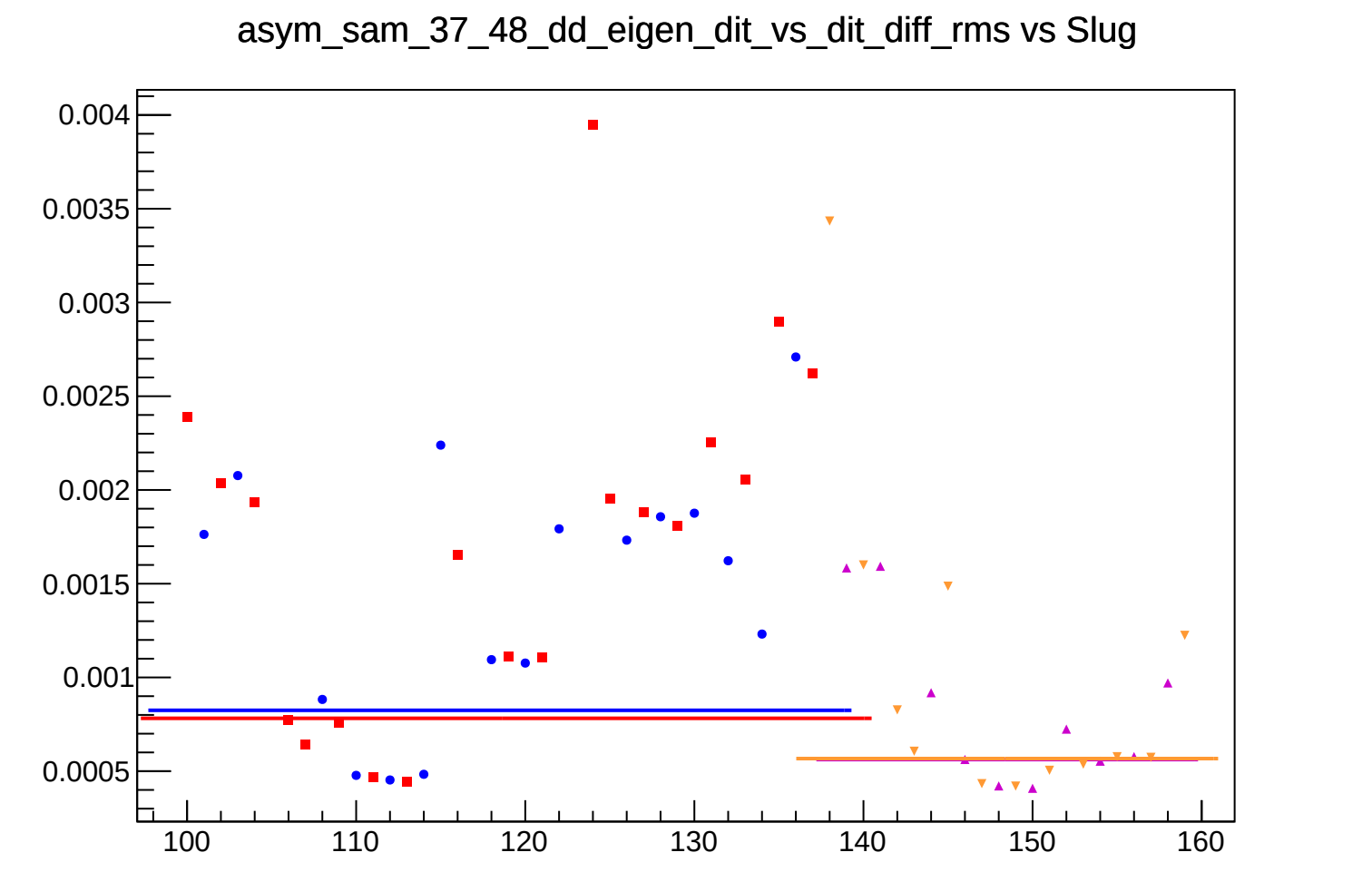
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 52.6/27

All: 0.000+/-0.000 χ^2/NDF: 88.8/56

- sign 0.000+/-0.000 χ^2/NDF: 36.2/28



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3329318.4/11

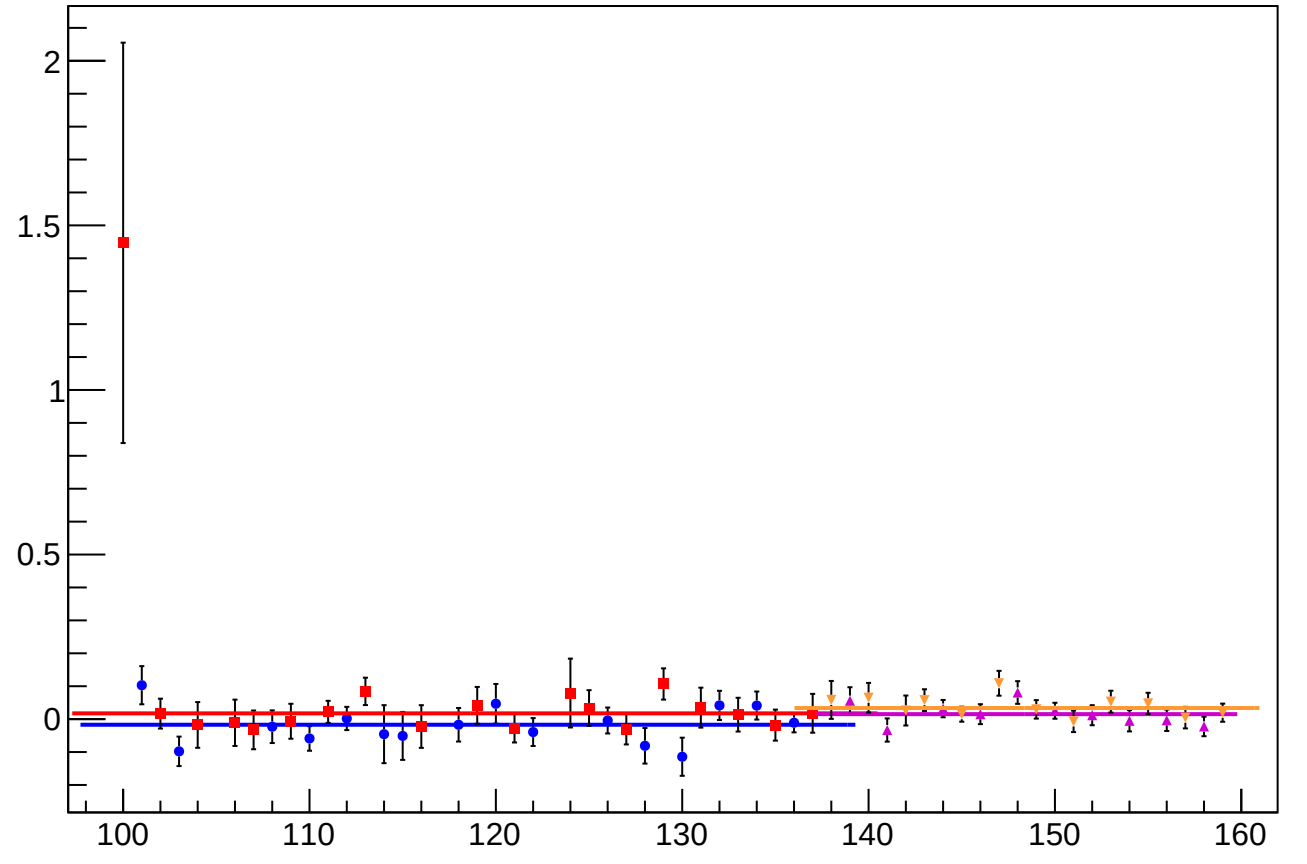
Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:2250960.1/9

+ sign 0.001+/-0.000 χ^2/NDF: 8515604.7/27

All: 0.001+/-0.000 χ^2/NDF: 15980117.4/56

- sign 0.001+/-0.000 χ^2/NDF: 7463824.5/28



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.034+/-0.009 χ^2/NDF:9.0/11

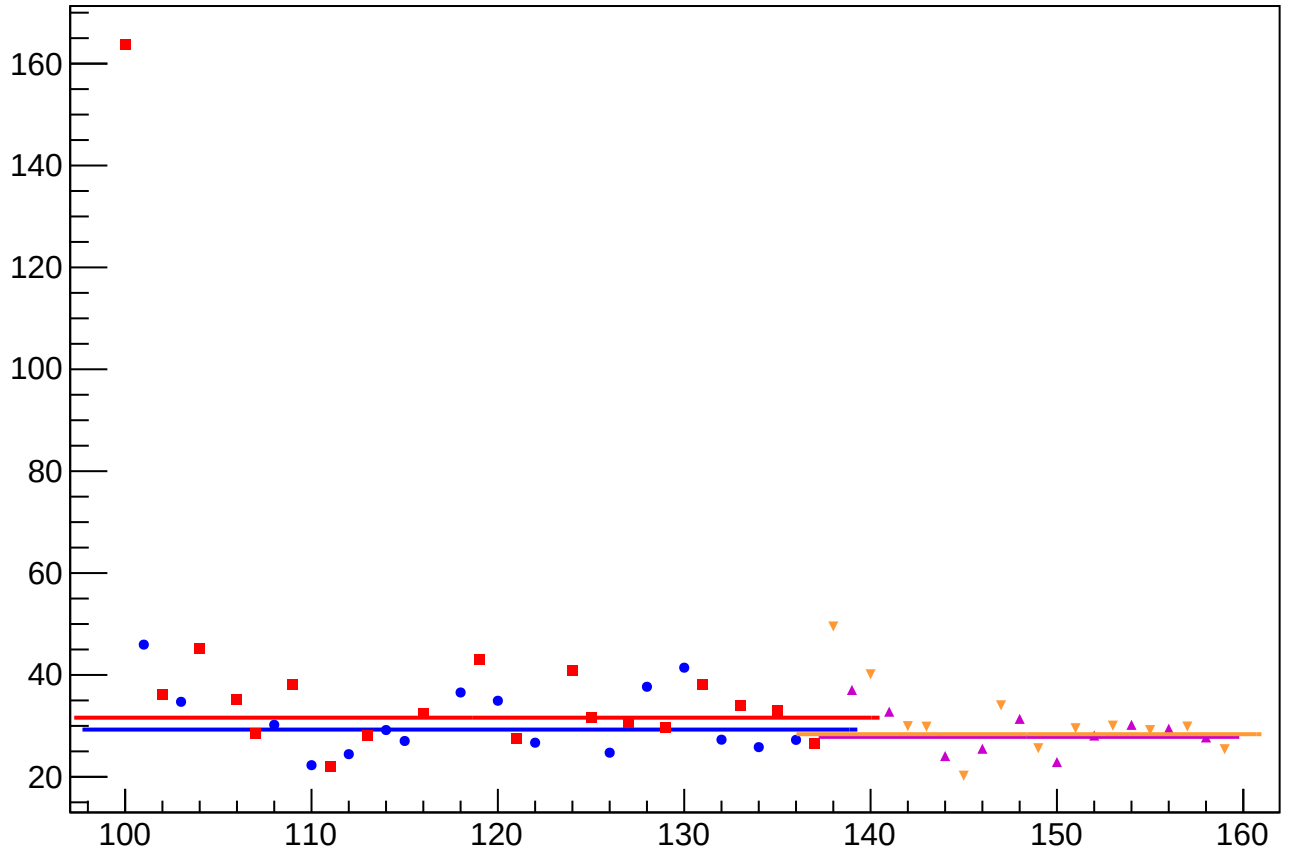
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.015+/-0.010 χ^2/NDF:9.4/9

\+ sign 0.013+/-0.007 χ^2/NDF: 39.6/27

All: 0.014+/-0.005 χ^2/NDF: 66.0/56

\- sign 0.016+/-0.008 χ^2/NDF: 26.3/28



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

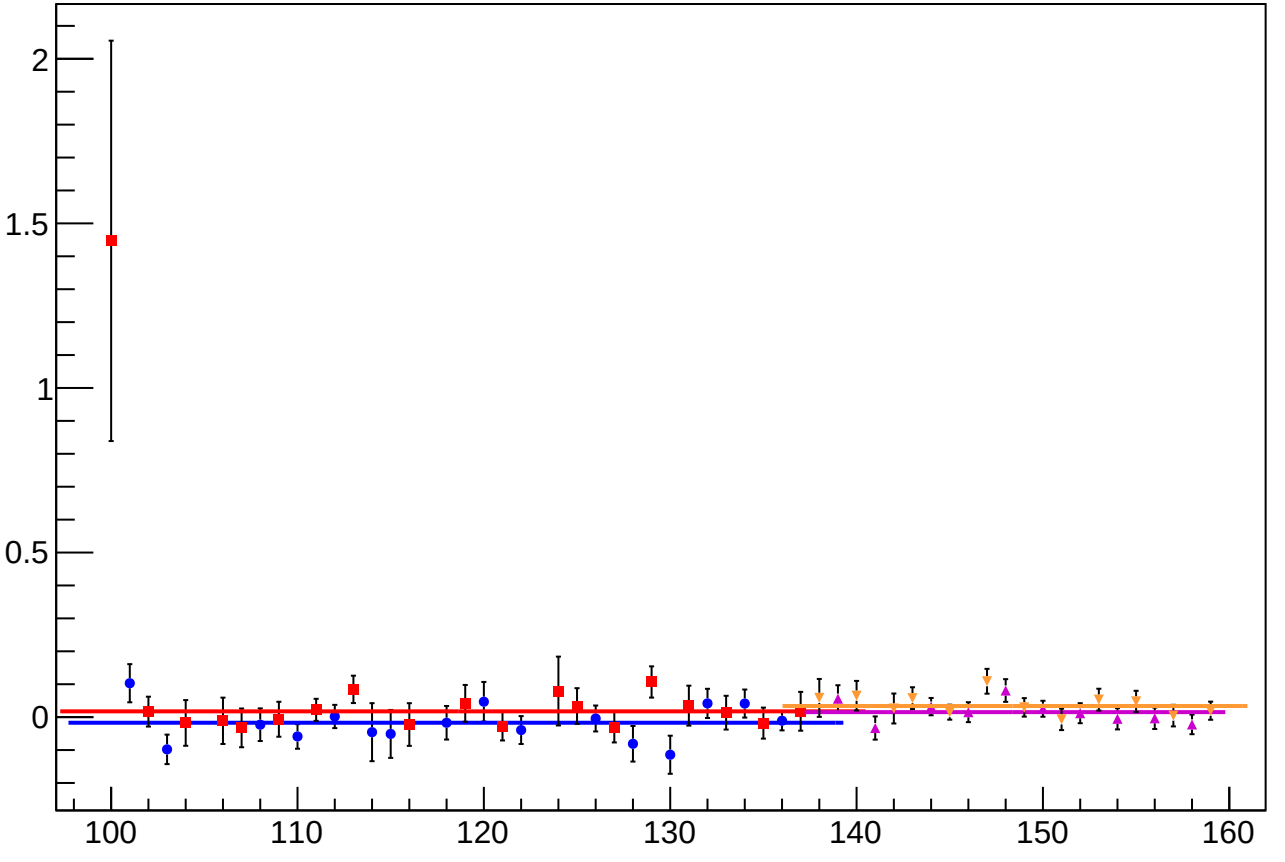
Left In: 27.852+/-0.007 χ^2/NDF:313476.3/9

+ sign 28.744+/-0.005 χ^2/NDF: 1336192.9/27

All: 29.023+/-0.004 χ^2/NDF: 2345554.3/56

- sign 29.326+/-0.005 χ^2/NDF: 1003209.5/28

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

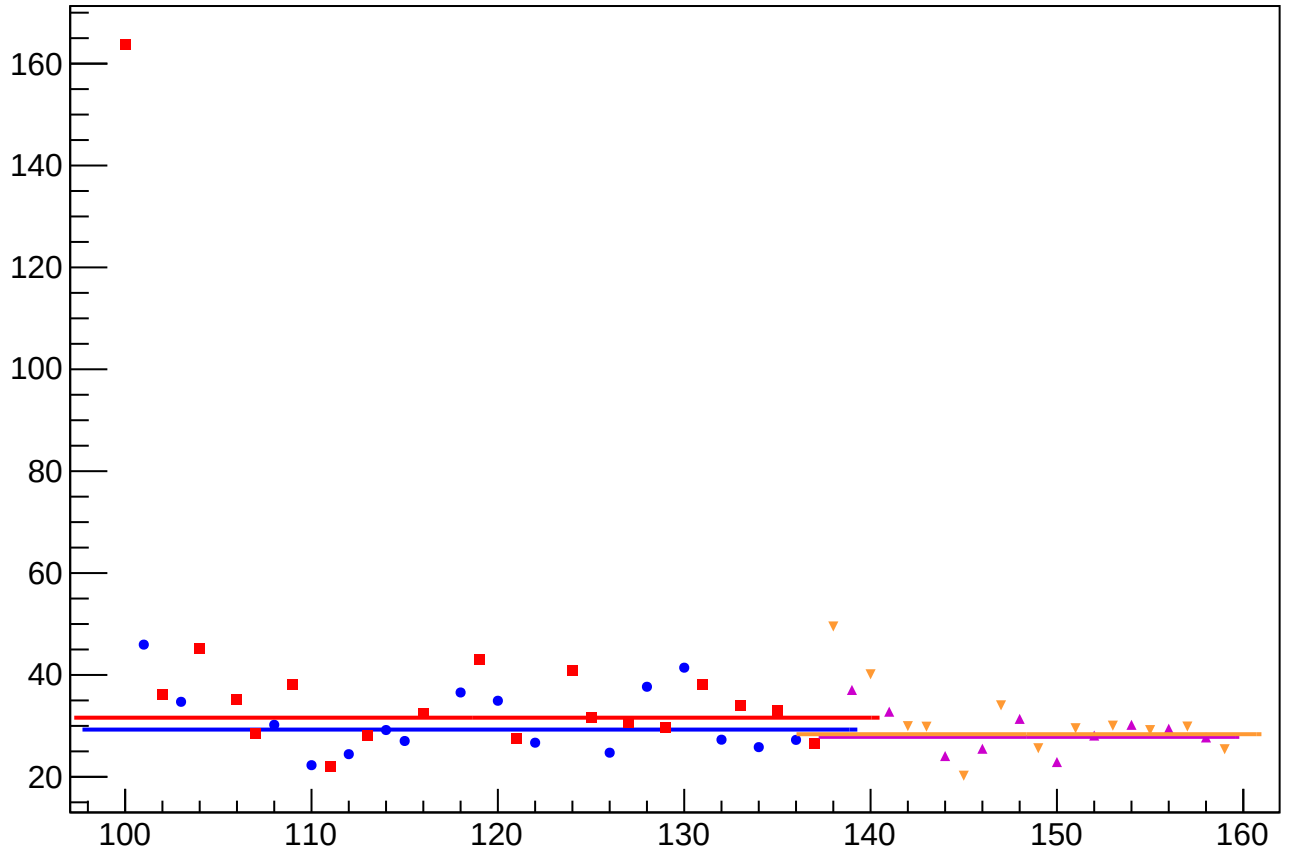
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.015+/-0.010 χ^2/NDF:9.4/9

+ sign 0.013+/-0.007 χ^2/NDF: 39.6/27

All: 0.014+/-0.005 χ^2/NDF: 66.0/56

- sign 0.016+/-0.008 χ^2/NDF: 26.3/28



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.370+/-0.007 χ^2/NDF:767990.9/11

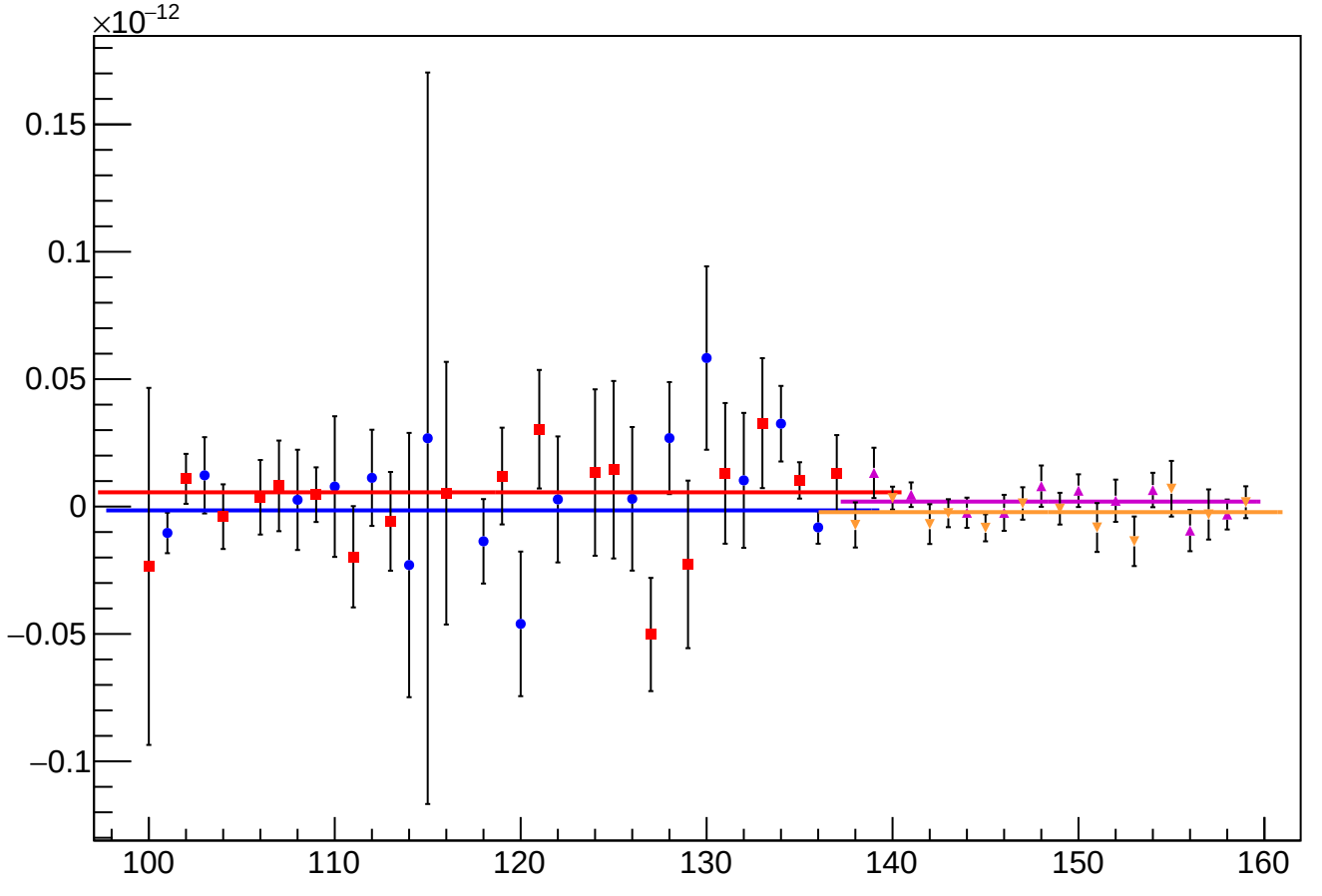
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.852+/-0.007 χ^2/NDF:313476.3/9

+ sign 28.744+/-0.005 χ^2/NDF: 1336192.9/27

All: 29.023+/-0.004 χ^2/NDF: 2345554.3/56

- sign 29.326+/-0.005 χ^2/NDF: 1003209.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/11

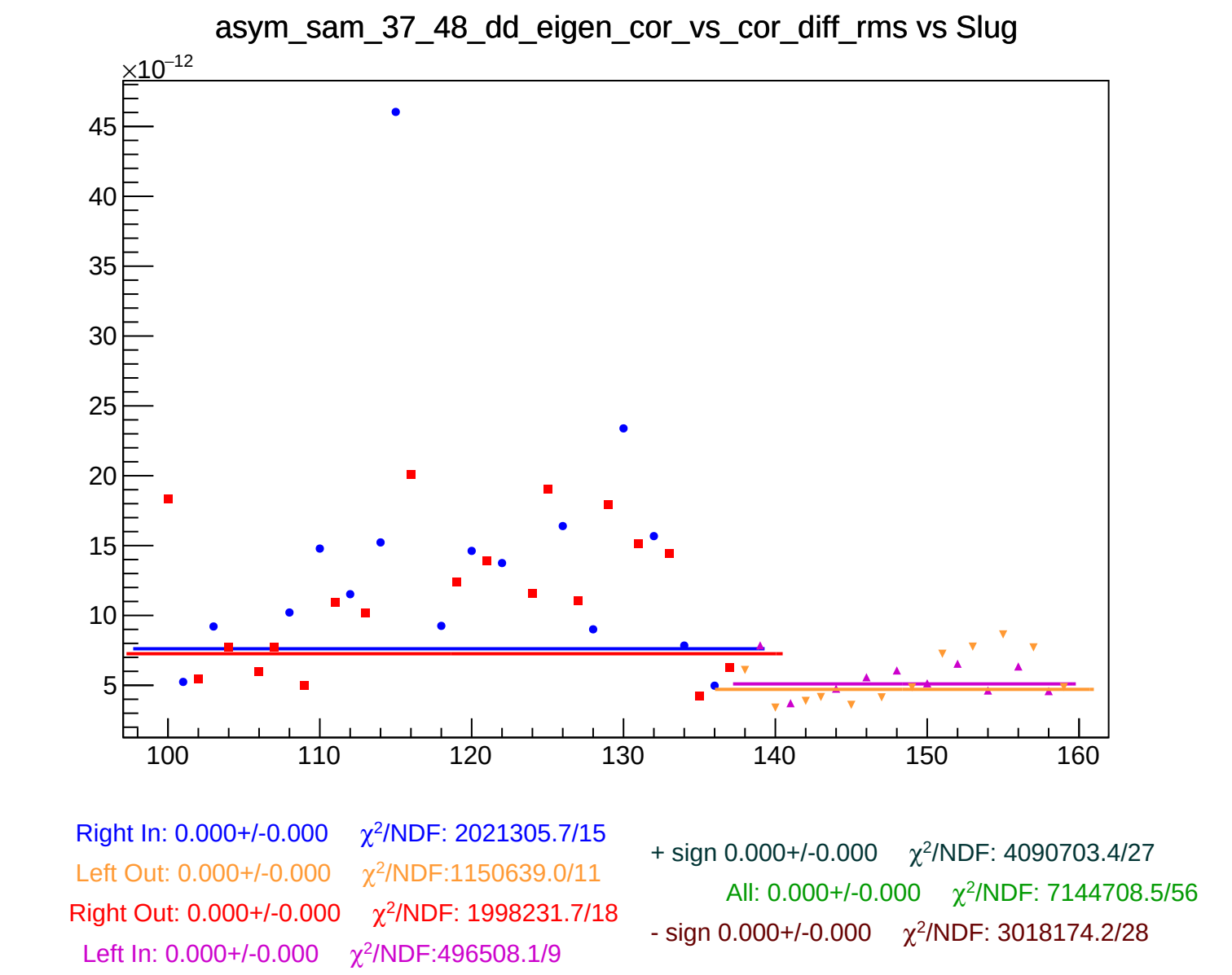
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/9

+ sign -0.000+/-0.000 χ^2/NDF: 23.7/27

All: 0.000+/-0.000 χ^2/NDF: 48.3/56

- sign 0.000+/-0.000 χ^2/NDF: 20.8/28


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
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25
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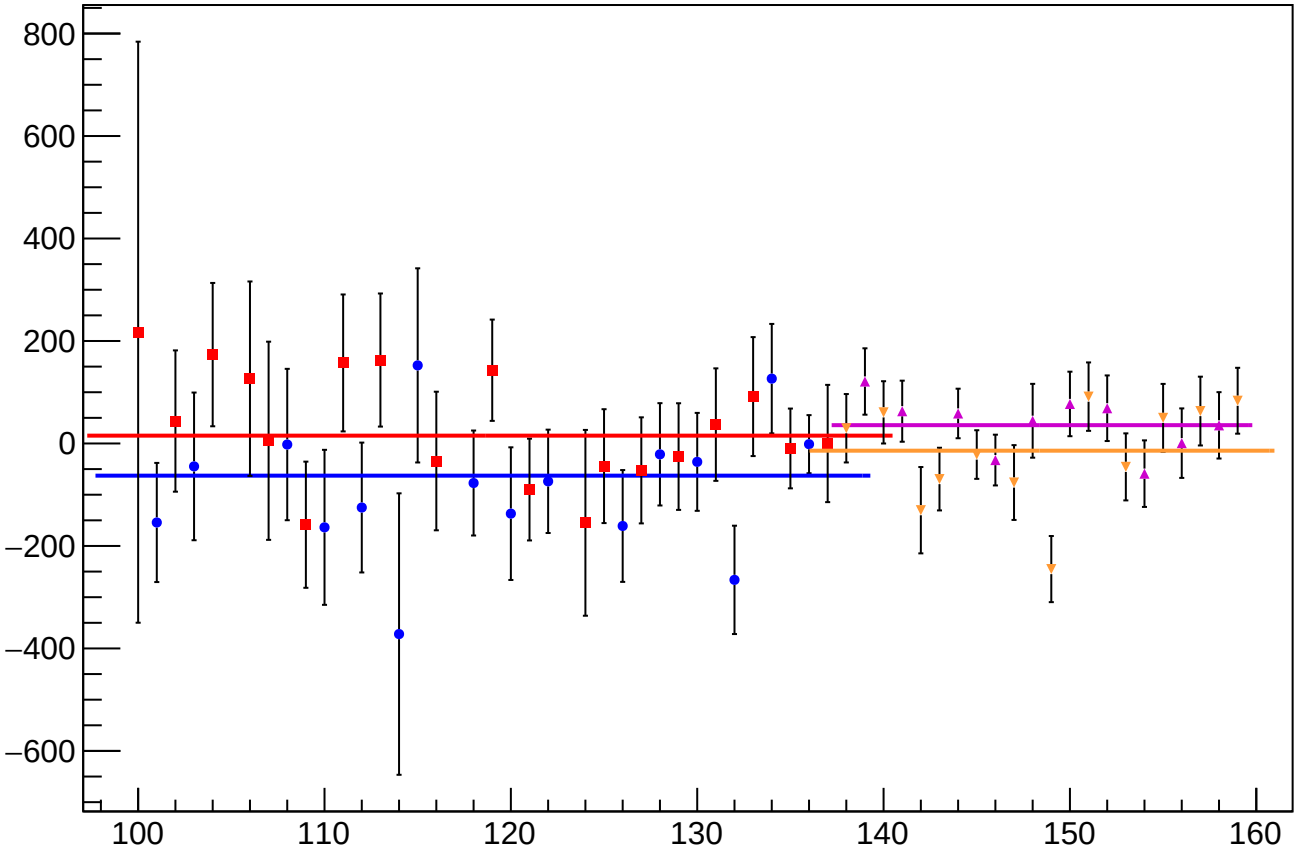
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1150639.0/11
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:496508.1/9
+ sign 0.000+/-0.000 χ²/NDF: 4090703.4/27
All: 0.000+/-0.000 χ²/NDF: 7144708.5/56
- sign 0.000+/-0.000 χ²/NDF: 3018174.2/28

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

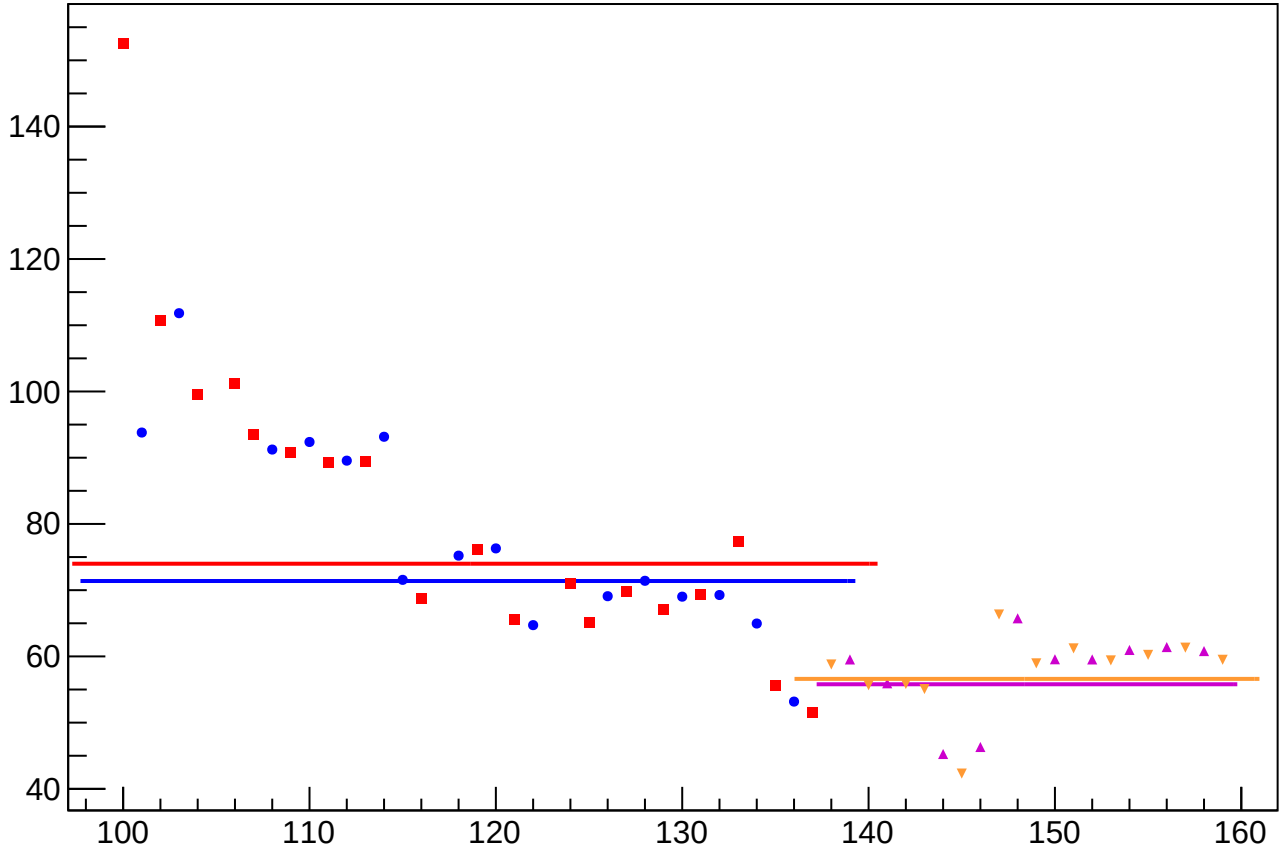
Left In: 35.736+/-19.113 χ^2/NDF:7.2/9

+ sign -29.462+/-15.293 χ^2/NDF: 41.2/27

All: -1.002+/-10.970 χ^2/NDF: 67.3/56

- sign 29.163+/-15.744 χ^2/NDF: 19.0/28

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

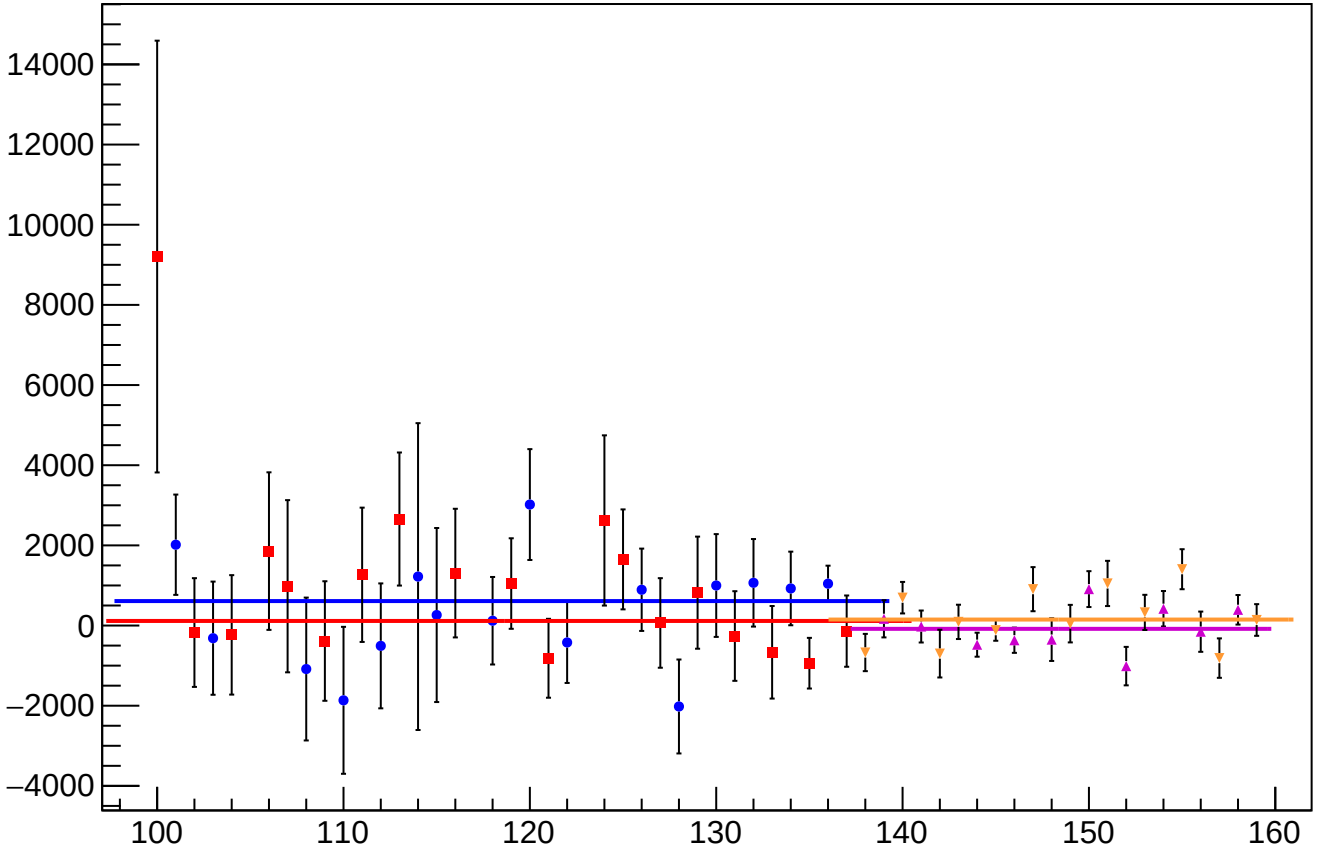
Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

+ sign 61.272+/-0.011 χ^2/NDF: 1251244.9/27

All: 61.453+/-0.008 χ^2/NDF: 2738587.9/56

- sign 61.644+/-0.011 χ^2/NDF: 1486770.5/28

asym_sam_15_26_dd_reg_correction_mean vs Slug



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

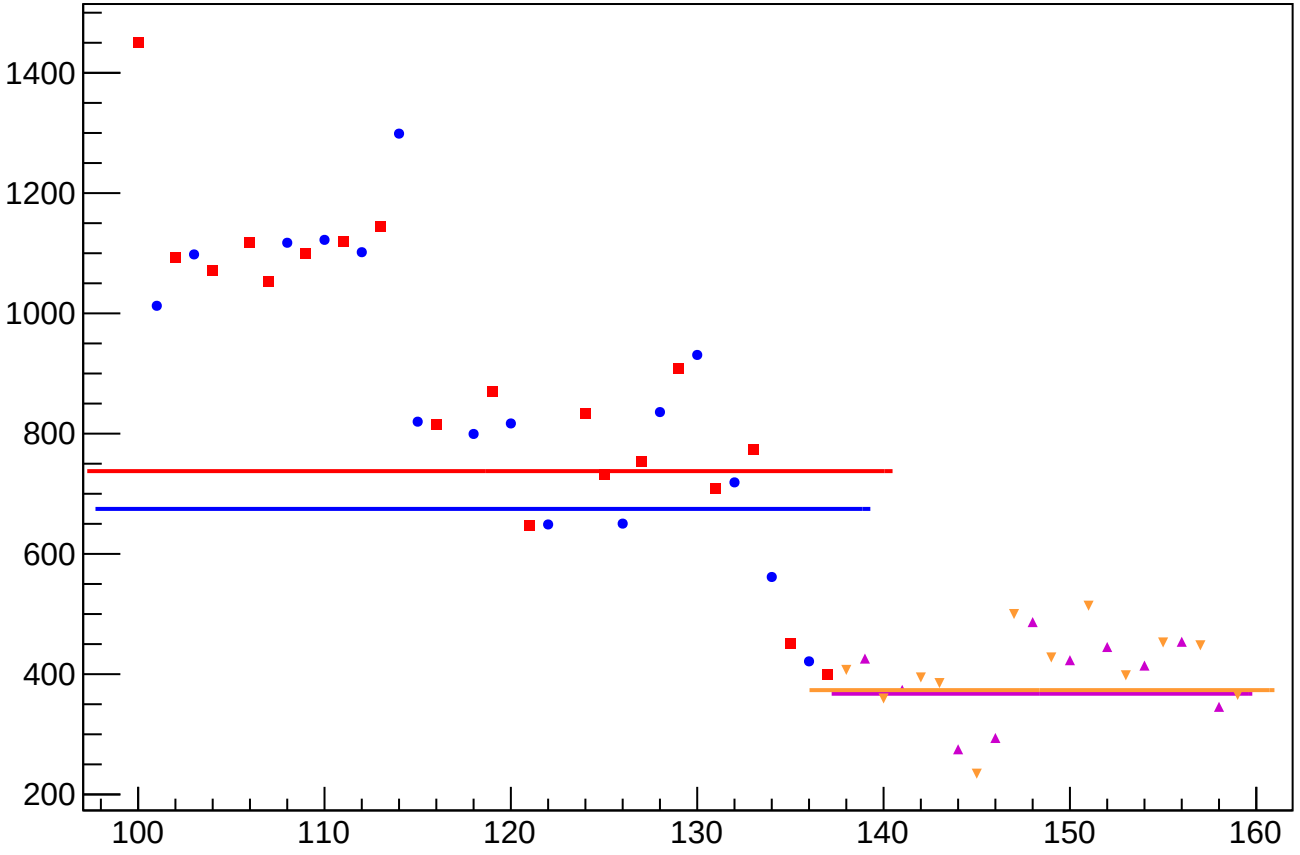
Left In: -82.363+/-127.555 χ^2/NDF:14.8/9

+ sign 231.893+/-112.828 χ^2/NDF: 41.1/27

All: 95.626+/-81.008 χ^2/NDF: 74.8/56

- sign -49.355+/-116.379 χ^2/NDF: 30.7/28

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

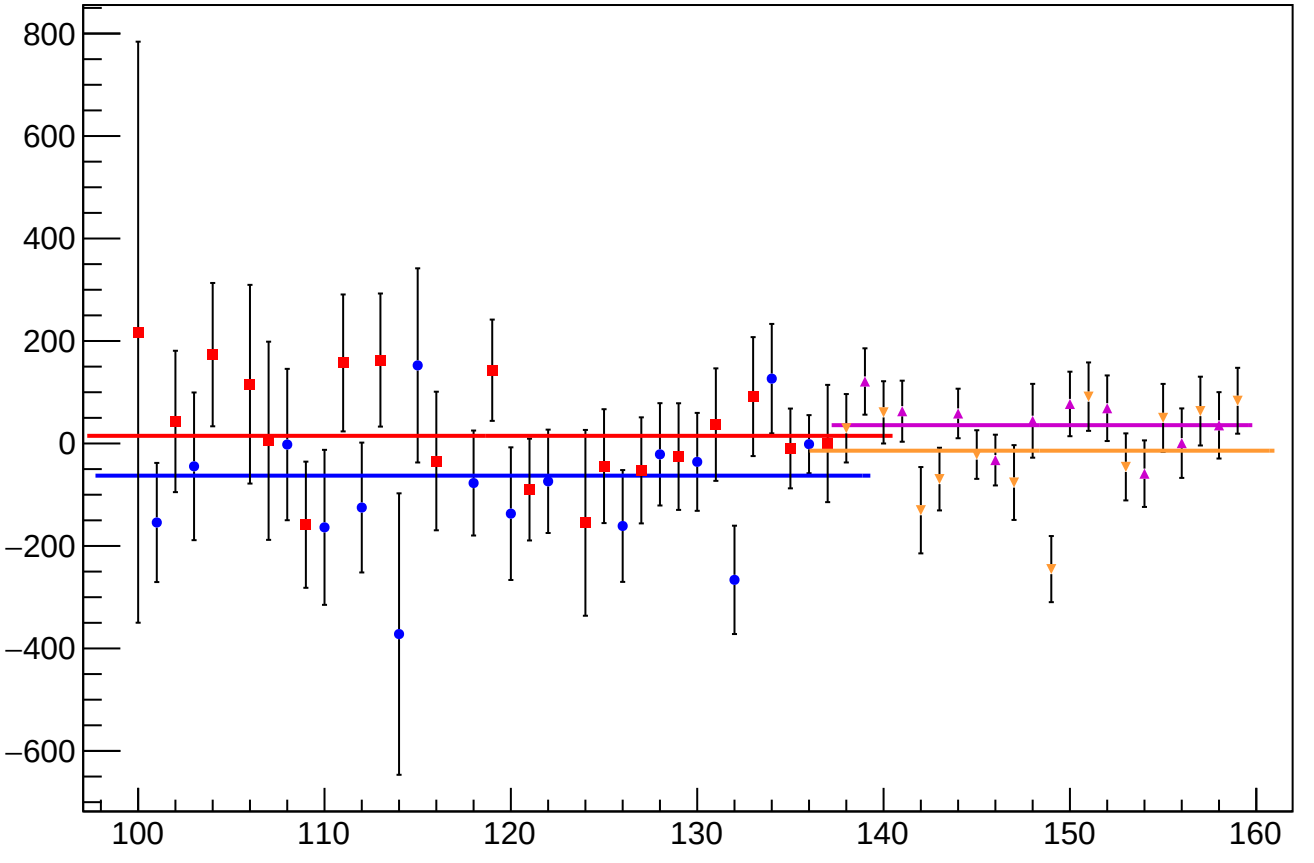
Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

+ sign 427.357+/-0.080 χ^2/NDF: 4645466.8/27

All: 428.397+/-0.057 χ^2/NDF: 9589230.1/56

- sign 429.504+/-0.082 χ^2/NDF: 4943412.6/28

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

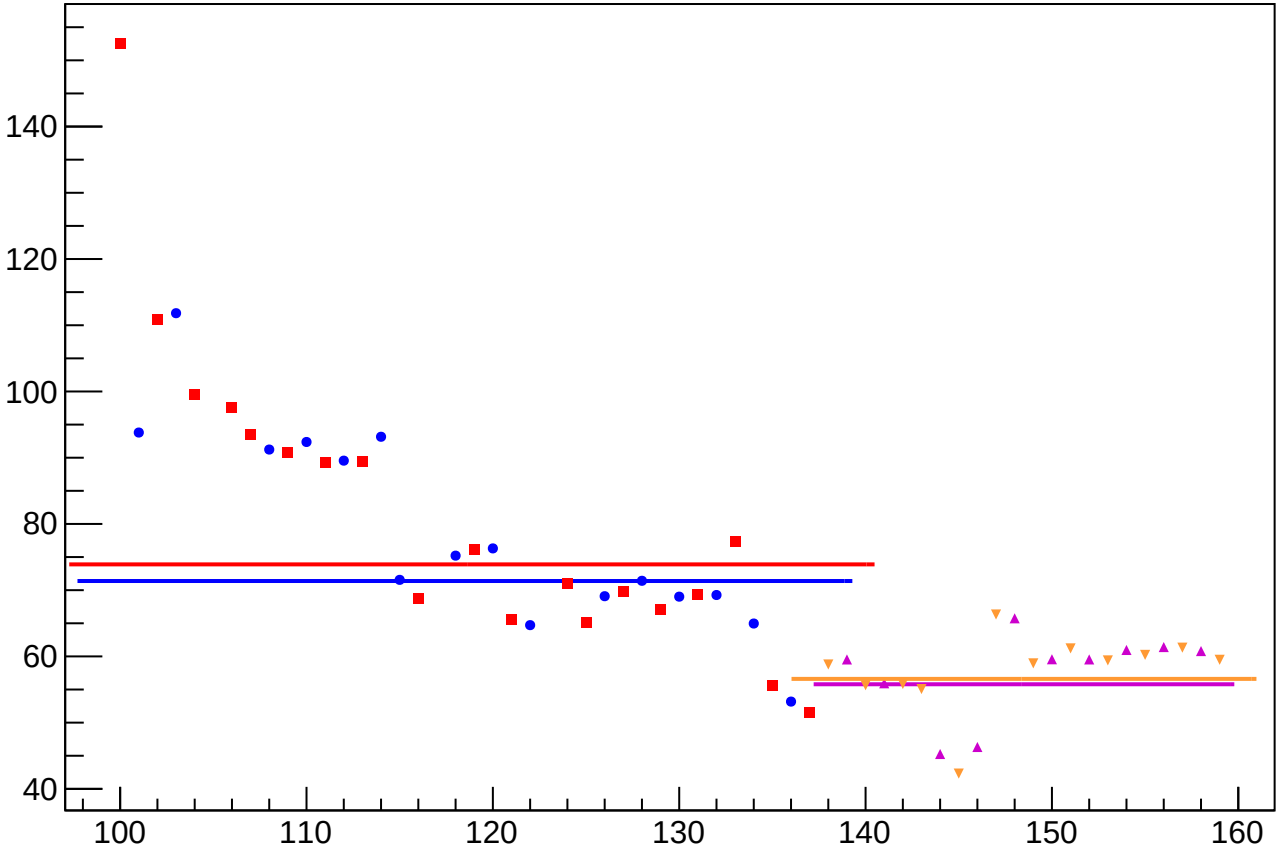
Left In: 35.738+/-19.113 χ^2/NDF:7.2/9

+ sign -29.461+/-15.293 χ^2/NDF: 41.2/27

All: -1.059+/-10.971 χ^2/NDF: 67.2/56

- sign 29.054+/-15.747 χ^2/NDF: 18.9/28

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

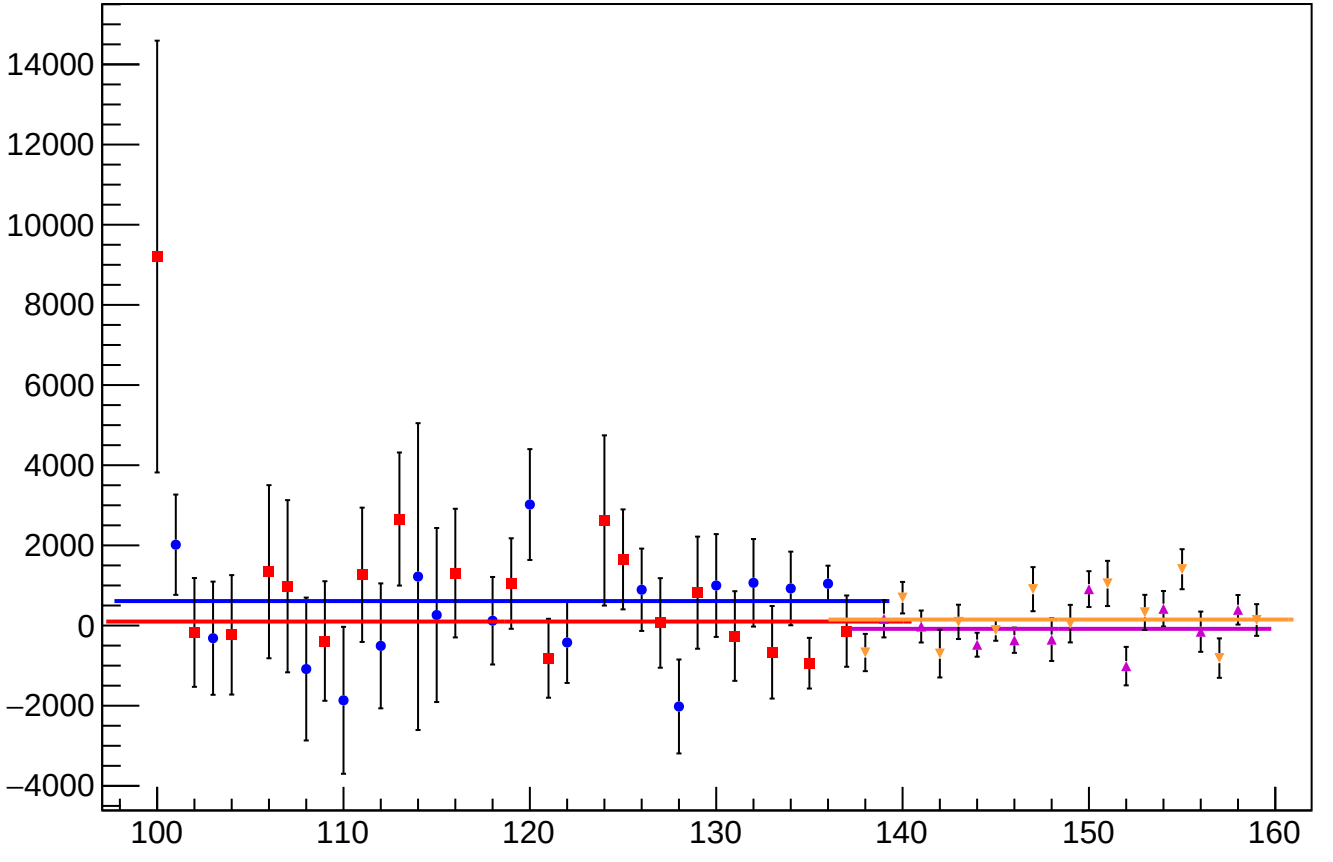
Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

+ sign 61.272+/-0.011 χ^2/NDF: 1251247.5/27

All: 61.435+/-0.008 χ^2/NDF: 2720309.1/56

- sign 61.608+/-0.011 χ^2/NDF: 1468594.3/28

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

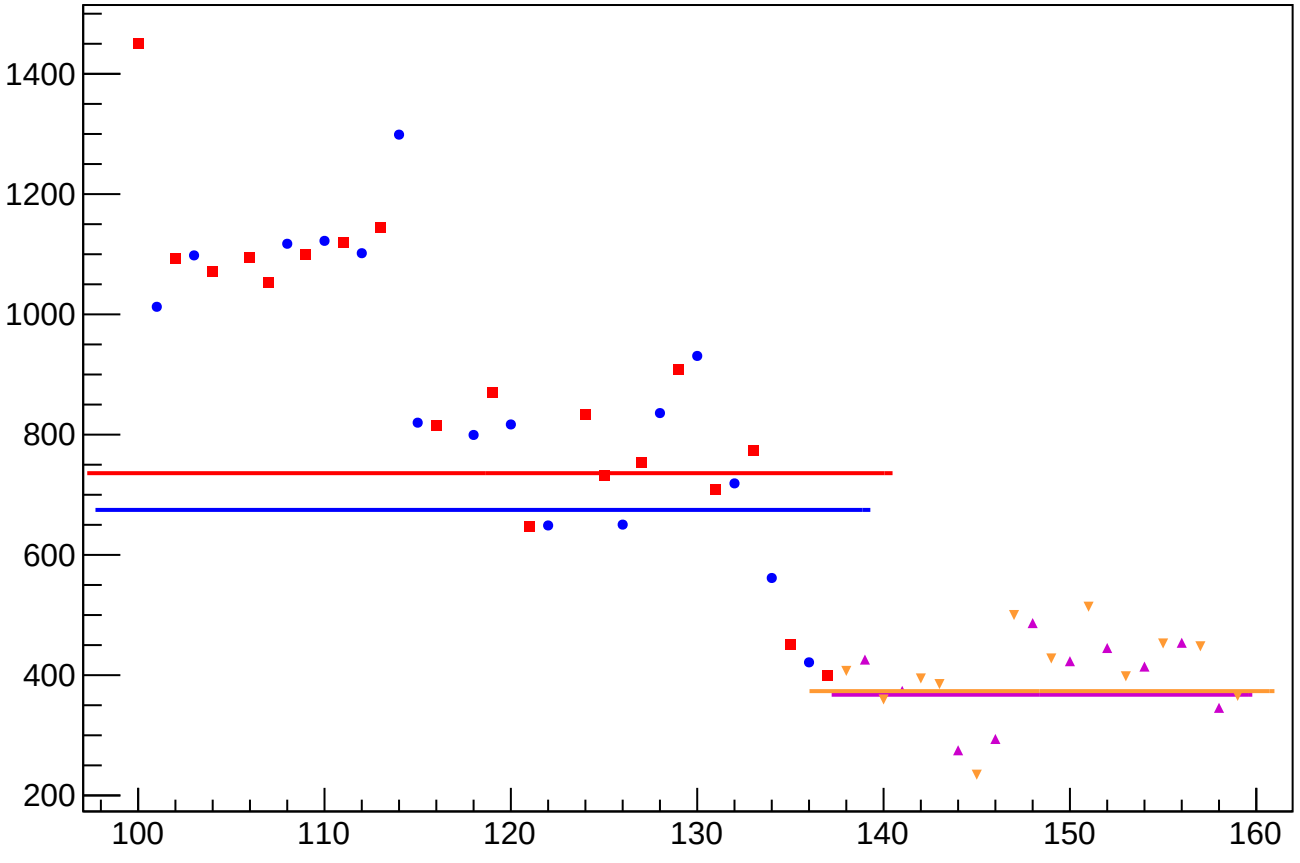
Left In: -82.360+/-127.555 χ^2/NDF:14.8/9

+ sign 231.887+/-112.828 χ^2/NDF: 41.1/27

All: 94.398+/-81.020 χ^2/NDF: 74.3/56

- sign -51.971+/-116.415 χ^2/NDF: 30.2/28

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

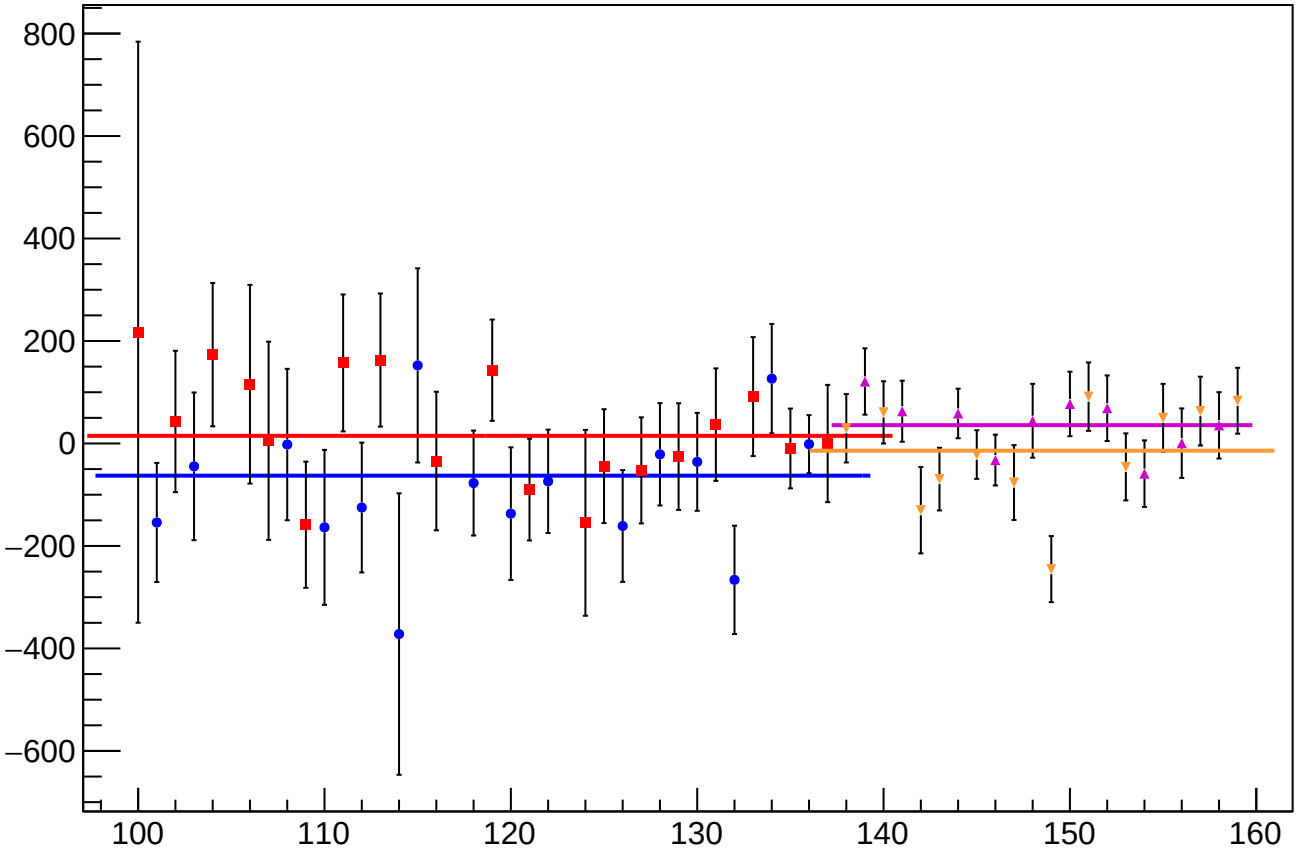
Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

+ sign 427.357+/-0.080 χ^2/NDF: 4645501.1/27

All: 428.163+/-0.057 χ^2/NDF: 9534174.9/56

- sign 429.022+/-0.082 χ^2/NDF: 4888462.7/28

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

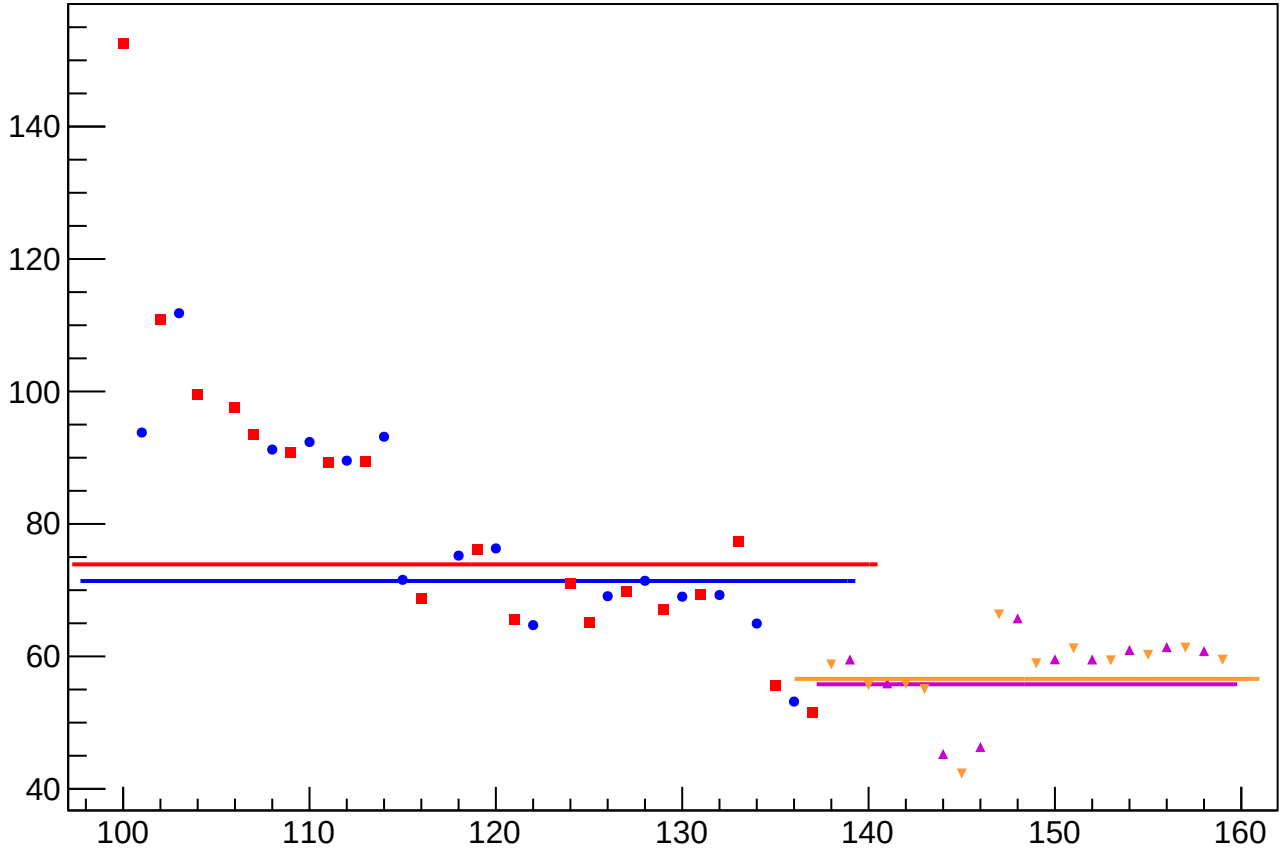
Left In: 35.738+/-19.113 χ^2/NDF:7.2/9

+ sign -29.461+/-15.293 χ^2/NDF: 41.2/27

All: -1.059+/-10.971 χ^2/NDF: 67.2/56

- sign 29.054+/-15.747 χ^2/NDF: 18.9/28

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

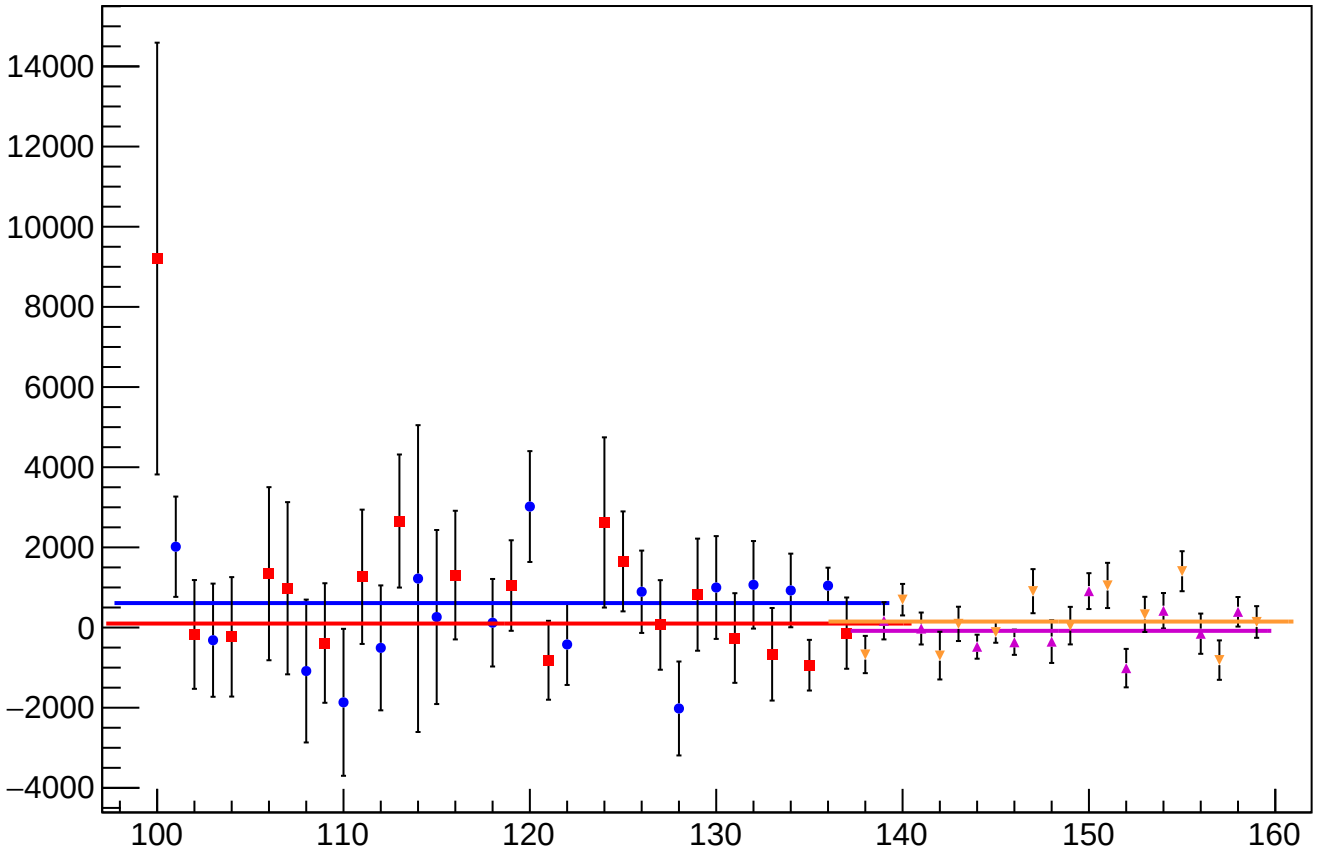
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.794+/-0.014 χ^2/NDF:265401.3/9

+ sign 61.272+/-0.011 χ^2/NDF: 1251247.5/27

All: 61.435+/-0.008 χ^2/NDF: 2720309.1/56

- sign 61.608+/-0.011 χ^2/NDF: 1468594.3/28



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 149.421+/-124.509 χ^2/NDF:22.9/11

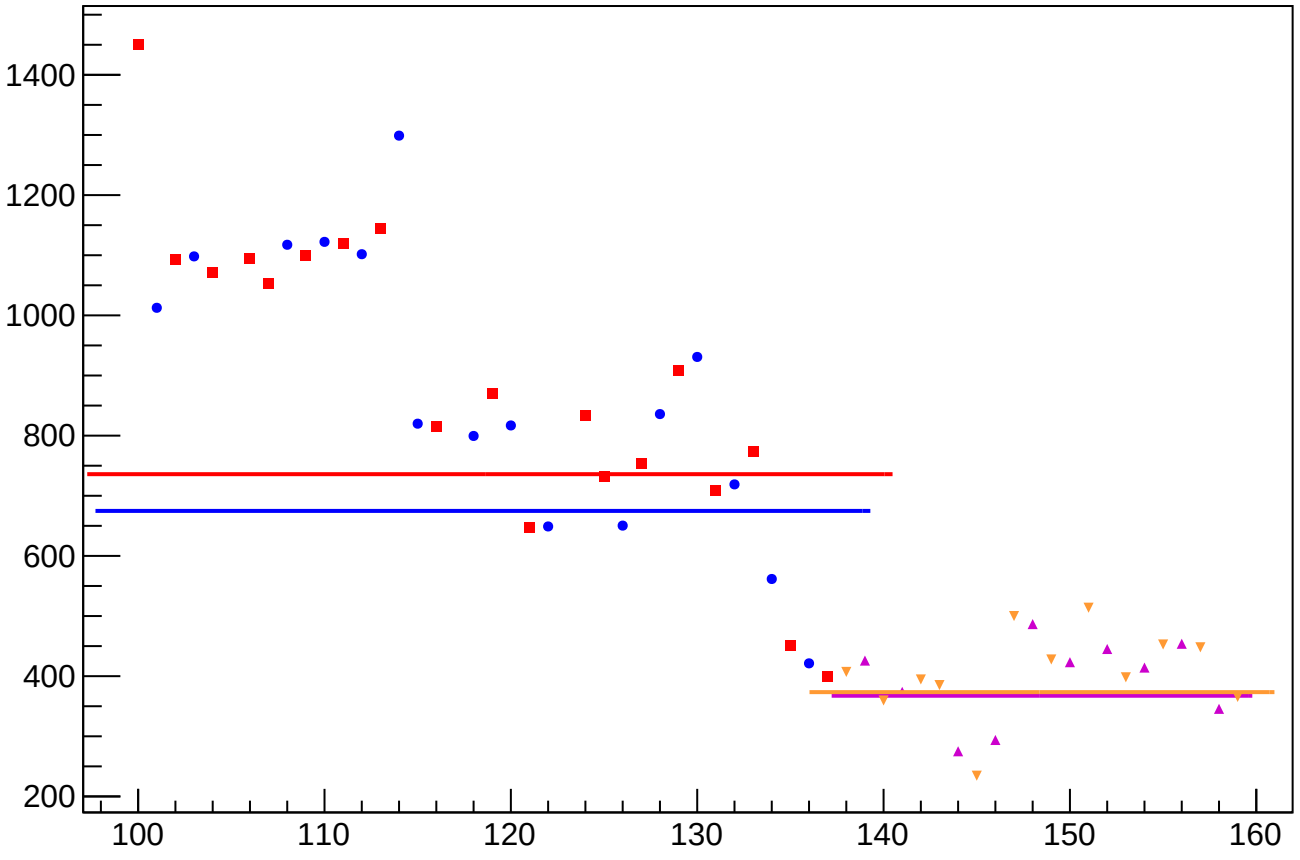
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -82.360+/-127.555 χ^2/NDF:14.8/9

+ sign 231.887+/-112.828 χ^2/NDF: 41.1/27

All: 94.398+/-81.020 χ^2/NDF: 74.3/56

- sign -51.971+/-116.415 χ^2/NDF: 30.2/28



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

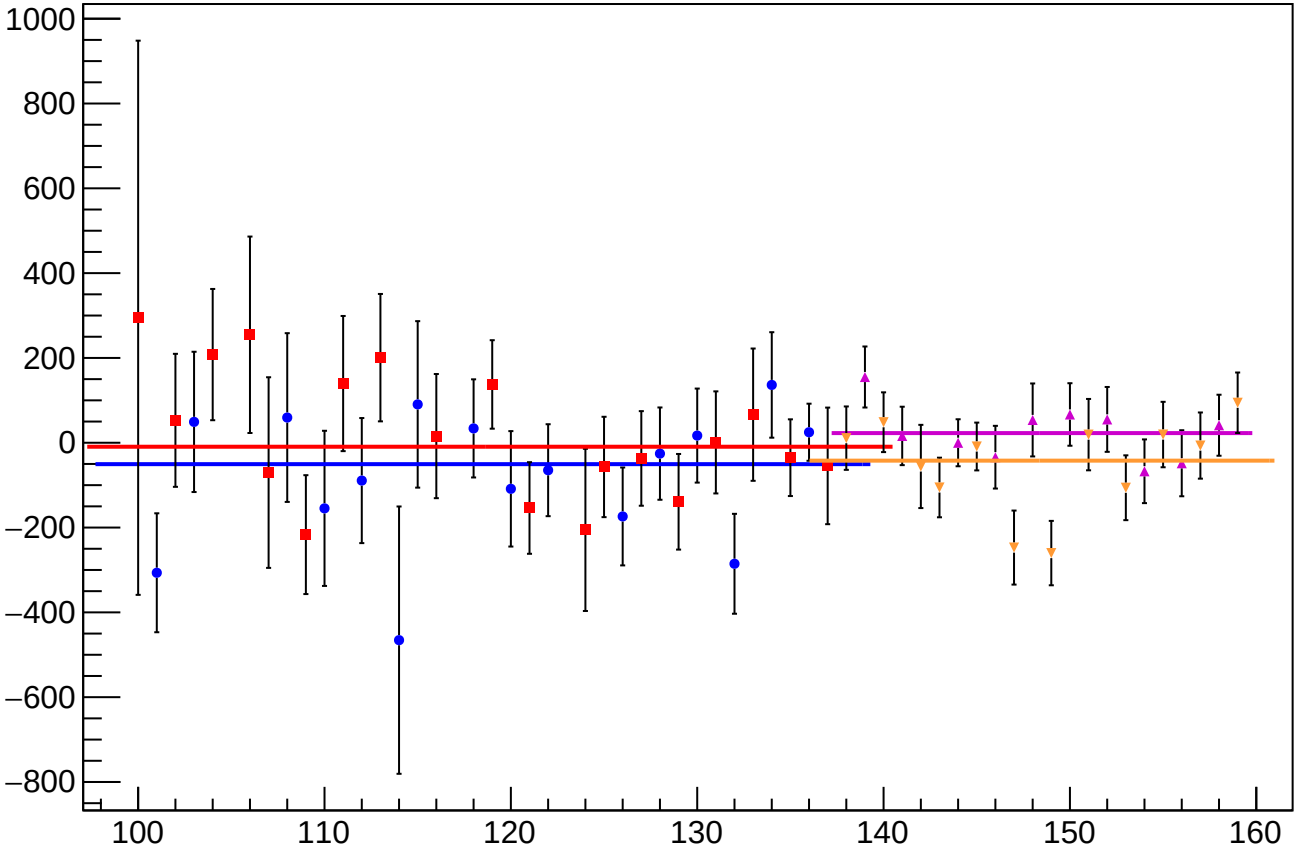
Left In: 367.474+/-0.090 χ^2/NDF:603942.0/9

+ sign 427.357+/-0.080 χ^2/NDF: 4645501.1/27

All: 428.163+/-0.057 χ^2/NDF: 9534174.9/56

- sign 429.022+/-0.082 χ^2/NDF: 4888462.7/28

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

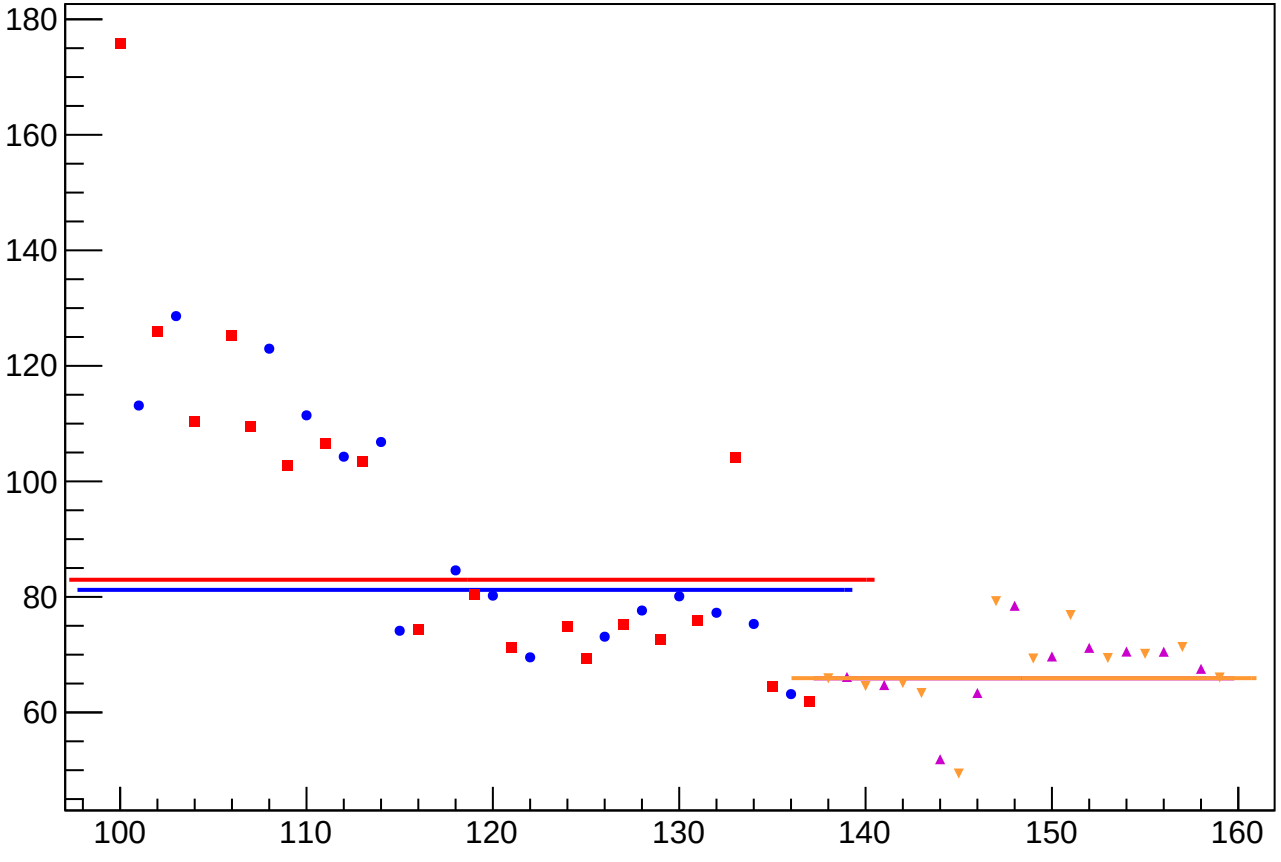
Left In: 22.784+/-22.717 χ^2/NDF:7.1/9

+ sign -44.888+/-17.723 χ^2/NDF: 39.3/27

All: -17.632+/-12.755 χ^2/NDF: 67.6/56

- sign 11.656+/-18.372 χ^2/NDF: 23.4/28

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

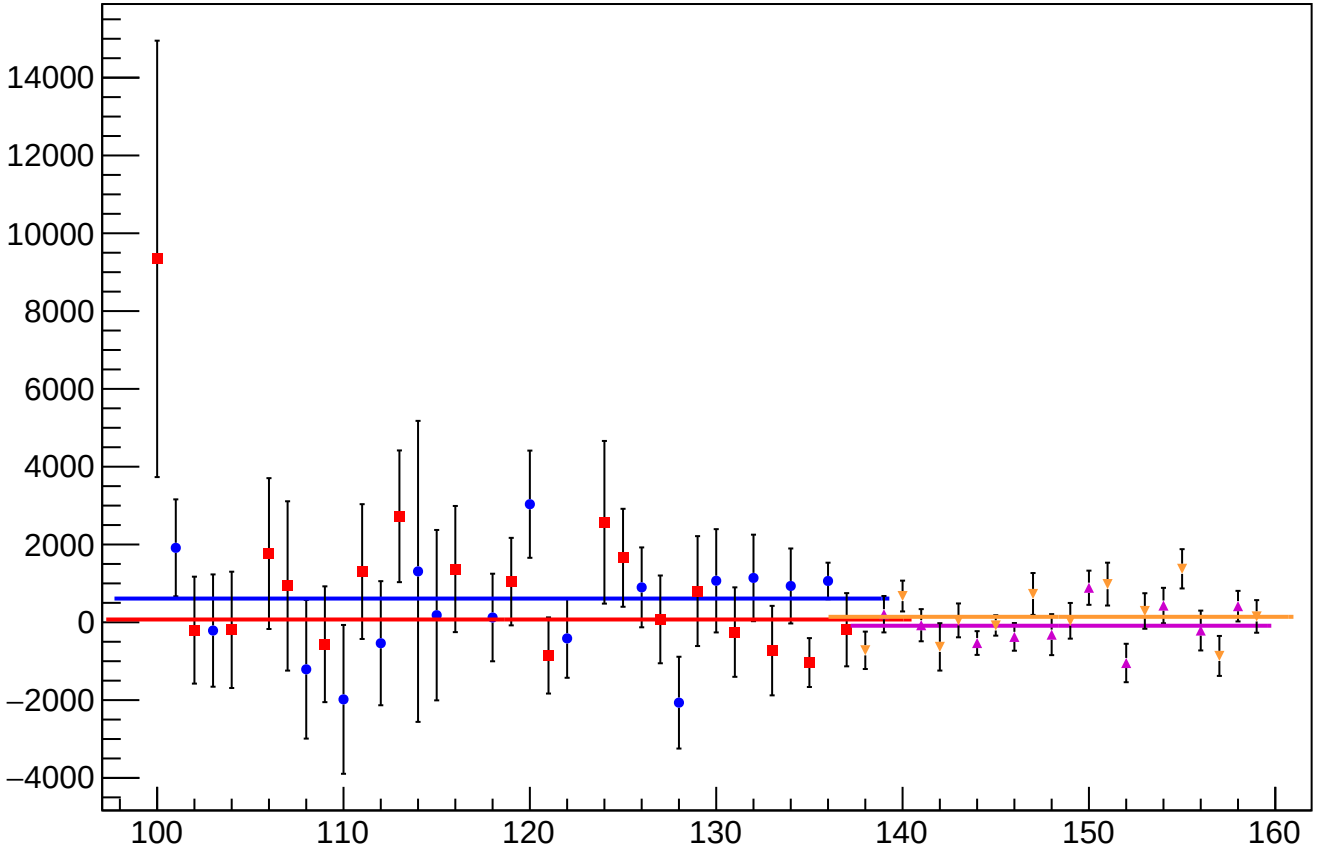
Left In: 65.893+/-0.016 χ^2/NDF:203695.3/9

+ sign 70.909+/-0.013 χ^2/NDF: 1268836.5/27

All: 71.339+/-0.009 χ^2/NDF: 2596399.2/56

- sign 71.801+/-0.013 χ^2/NDF: 1325120.7/28

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

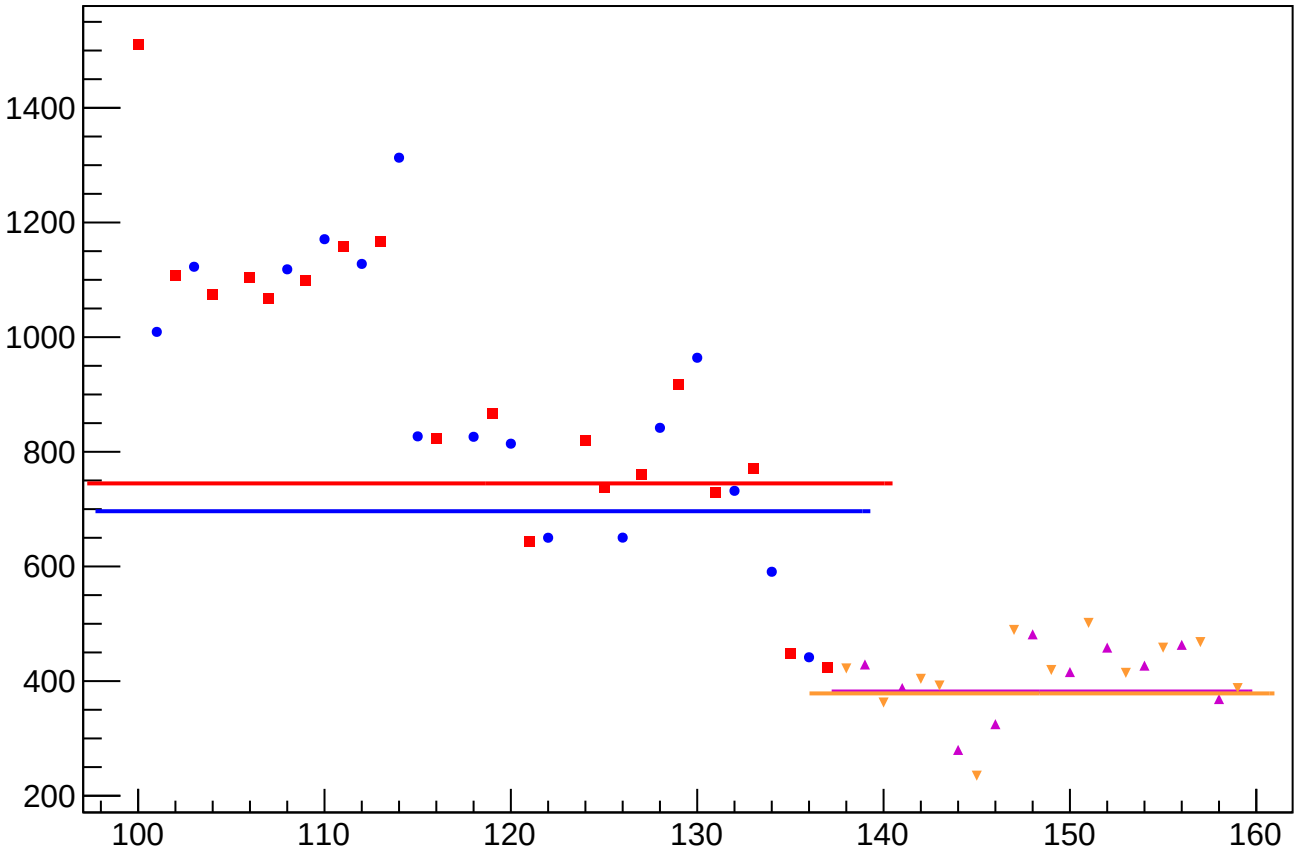
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -88.265+/-132.364 χ^2/NDF:15.1/9

+ sign 223.148+/-114.539 χ^2/NDF: 39.1/27

All: 88.345+/-82.915 χ^2/NDF: 73.5/56

- sign -60.073+/-120.184 χ^2/NDF: 31.5/28



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

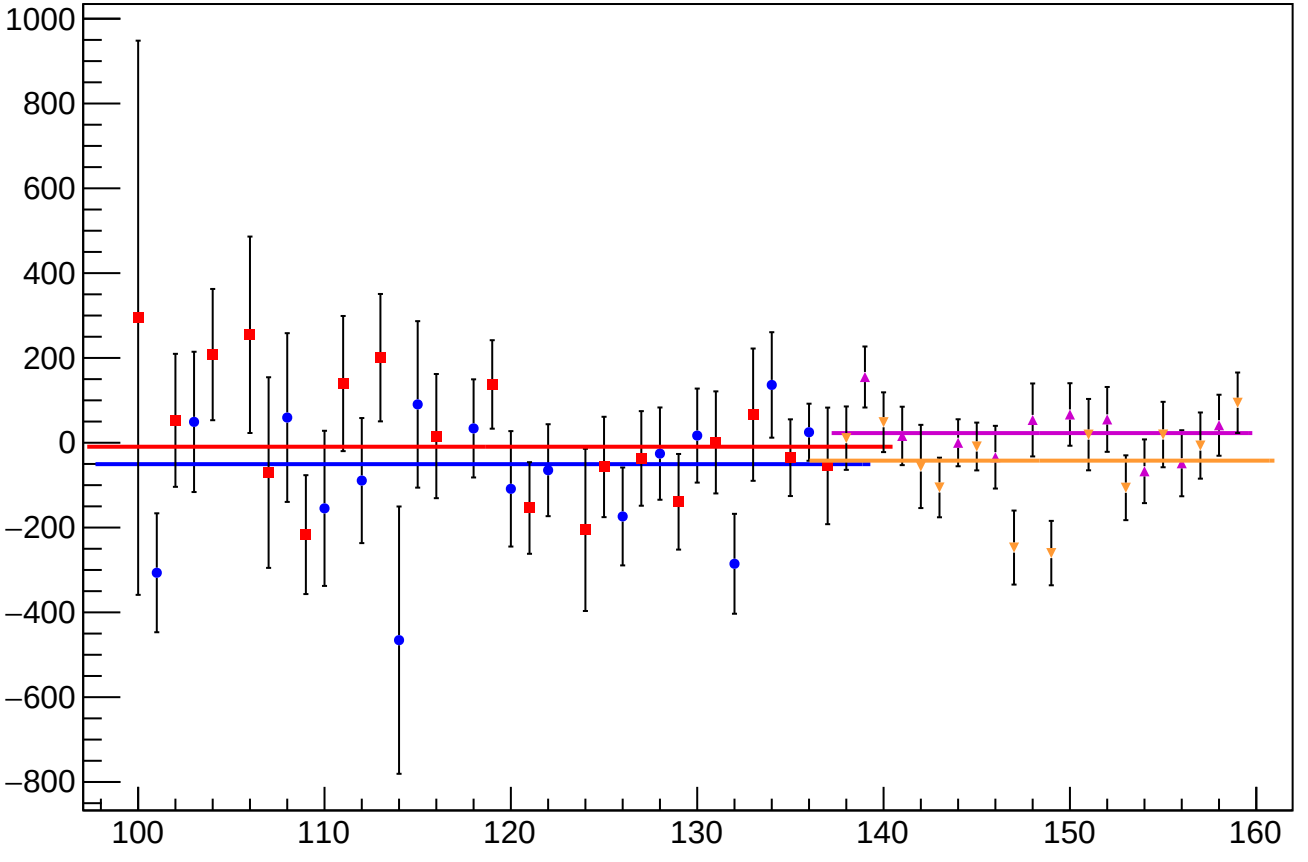
Left In: 381.866+/-0.094 χ^2/NDF:499322.4/9

+ sign 434.086+/-0.081 χ^2/NDF: 4684571.2/27

All: 439.566+/-0.059 χ^2/NDF: 9332878.4/56

- sign 445.599+/-0.085 χ^2/NDF: 4638689.9/28

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

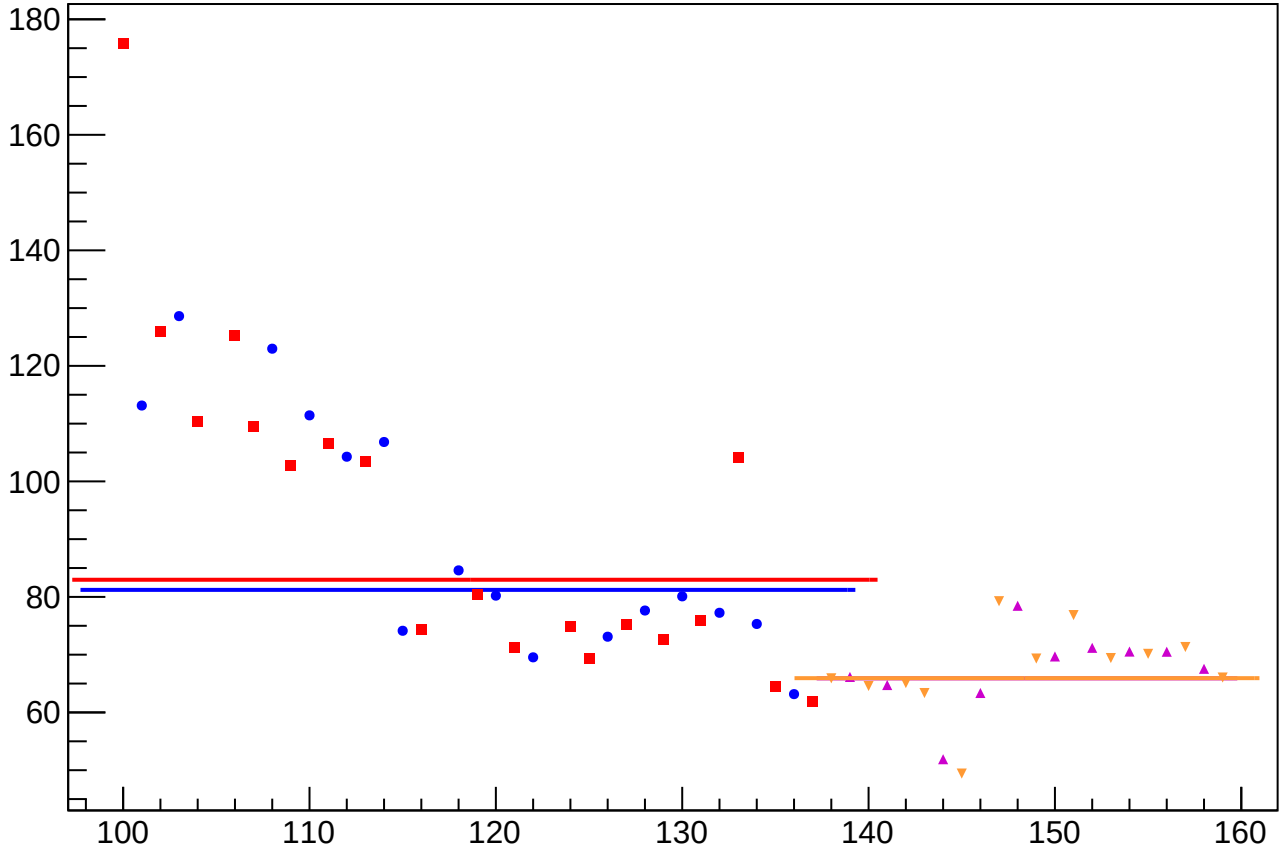
Left In: 22.783+/-22.717 χ^2/NDF:7.1/9

+ sign -44.888+/-17.723 χ^2/NDF: 39.3/27

All: -17.633+/-12.755 χ^2/NDF: 67.6/56

- sign 11.655+/-18.372 χ^2/NDF: 23.4/28

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

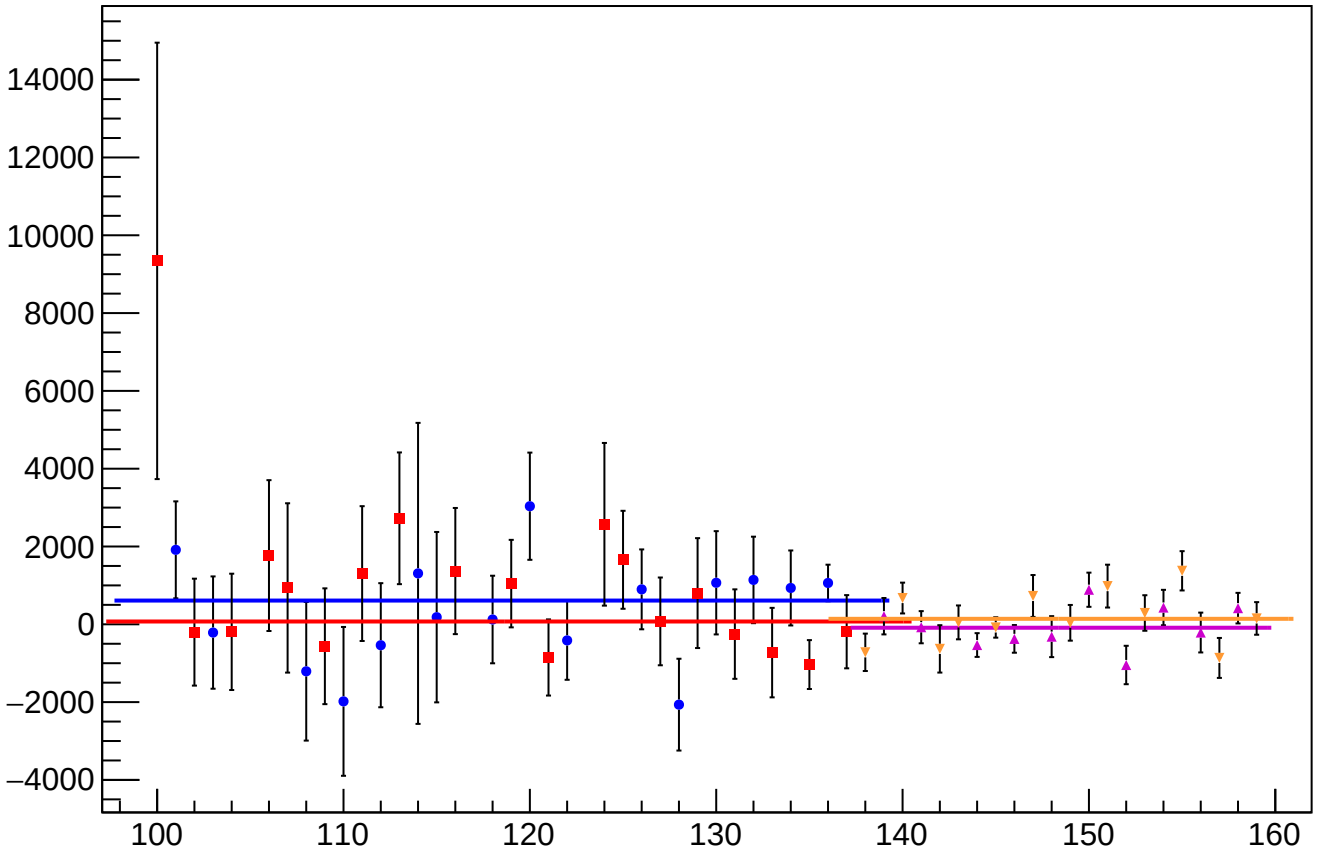
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 65.893+/-0.016 χ^2/NDF:203693.2/9

+ sign 70.909+/-0.013 χ^2/NDF: 1268792.8/27

All: 71.339+/-0.009 χ^2/NDF: 2596323.6/56

- sign 71.801+/-0.013 χ^2/NDF: 1325088.6/28



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 141.139+/-126.086 χ^2/NDF:20.9/11

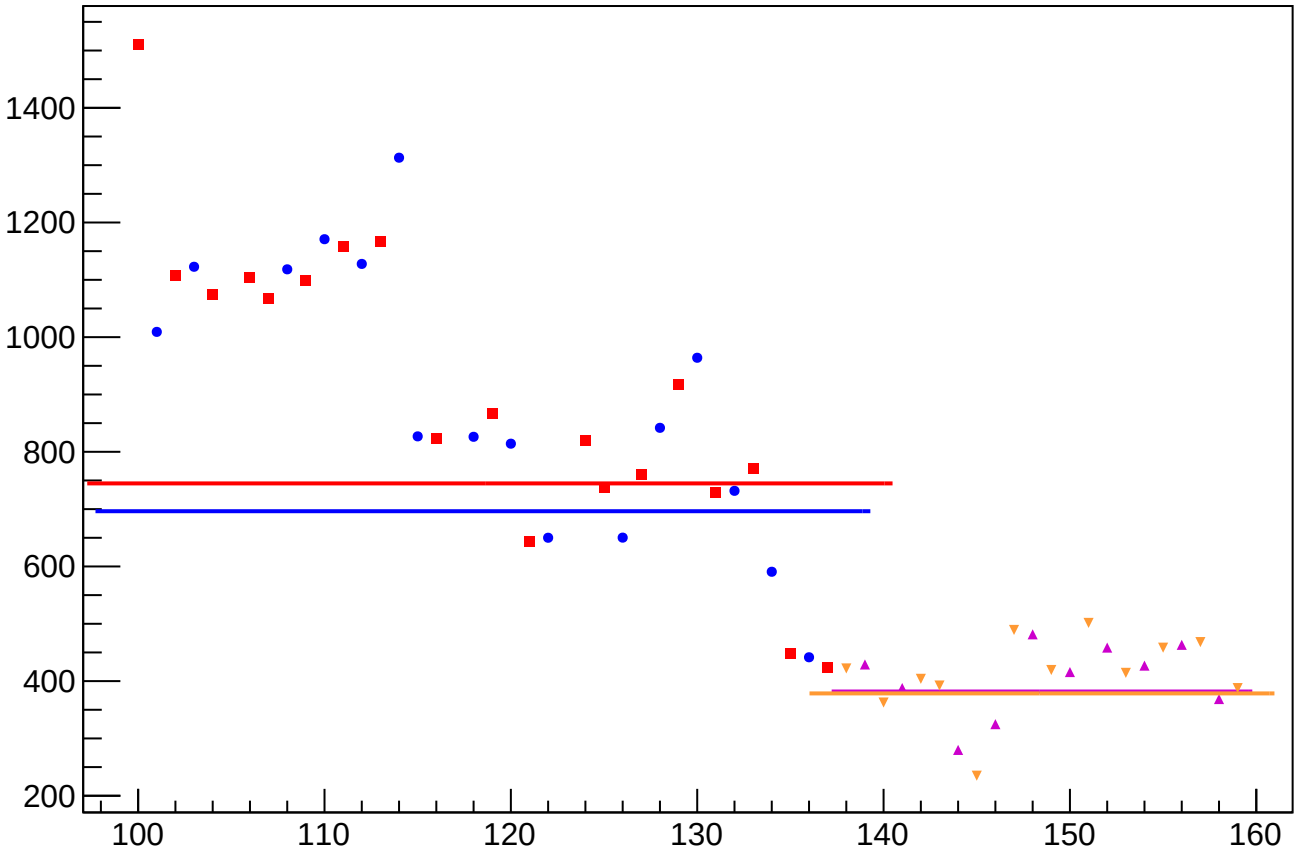
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -88.265+/-132.364 χ^2/NDF:15.1/9

\+ sign 223.148+/-114.539 χ^2/NDF: 39.1/27

All: 88.345+/-82.915 χ^2/NDF: 73.5/56

\- sign -60.073+/-120.184 χ^2/NDF: 31.5/28



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

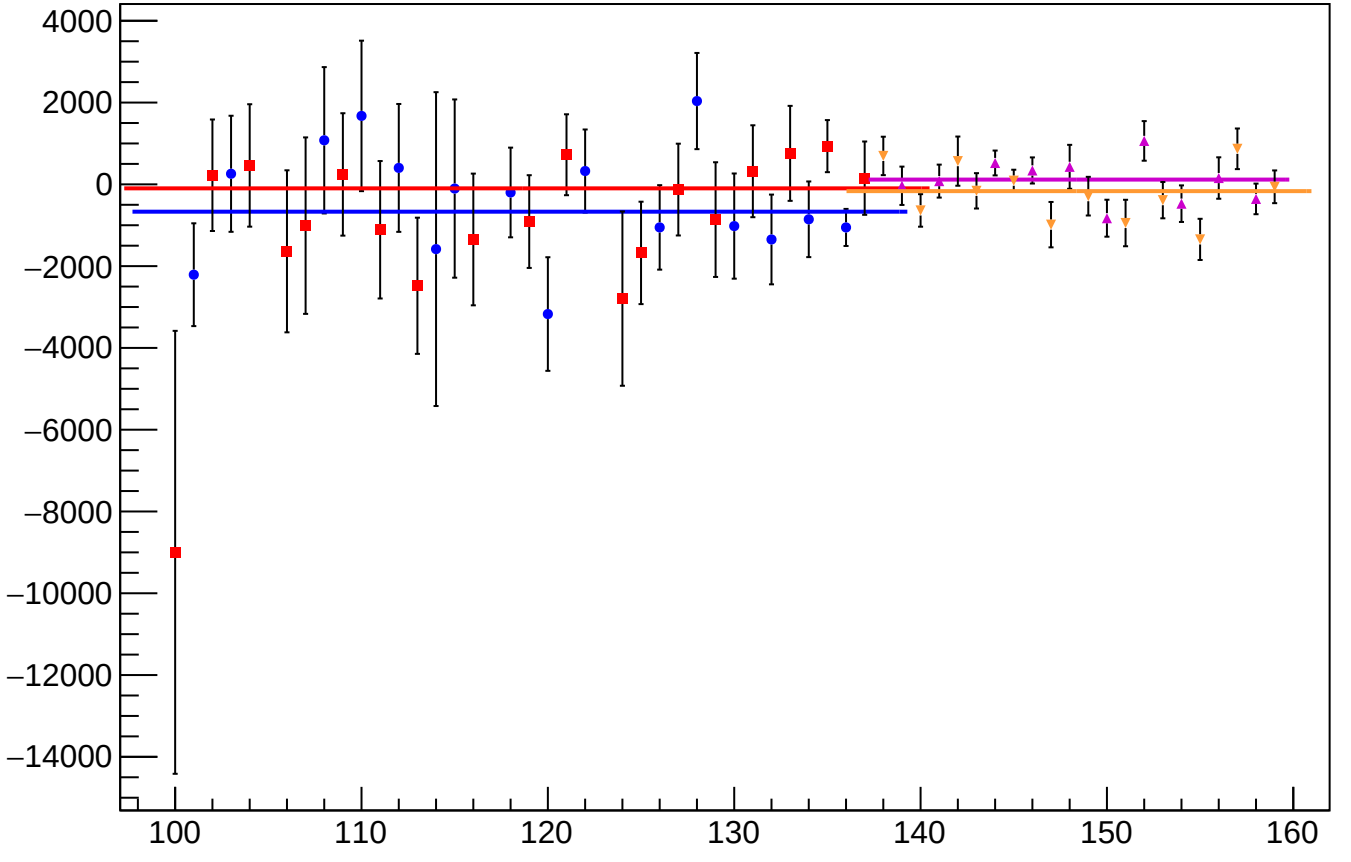
Left In: 381.867+/-0.094 χ^2/NDF:499330.2/9

+ sign 434.086+/-0.081 χ^2/NDF: 4684571.0/27

All: 439.566+/-0.059 χ^2/NDF: 9332863.6/56

- sign 445.599+/-0.085 χ^2/NDF: 4638675.0/28

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

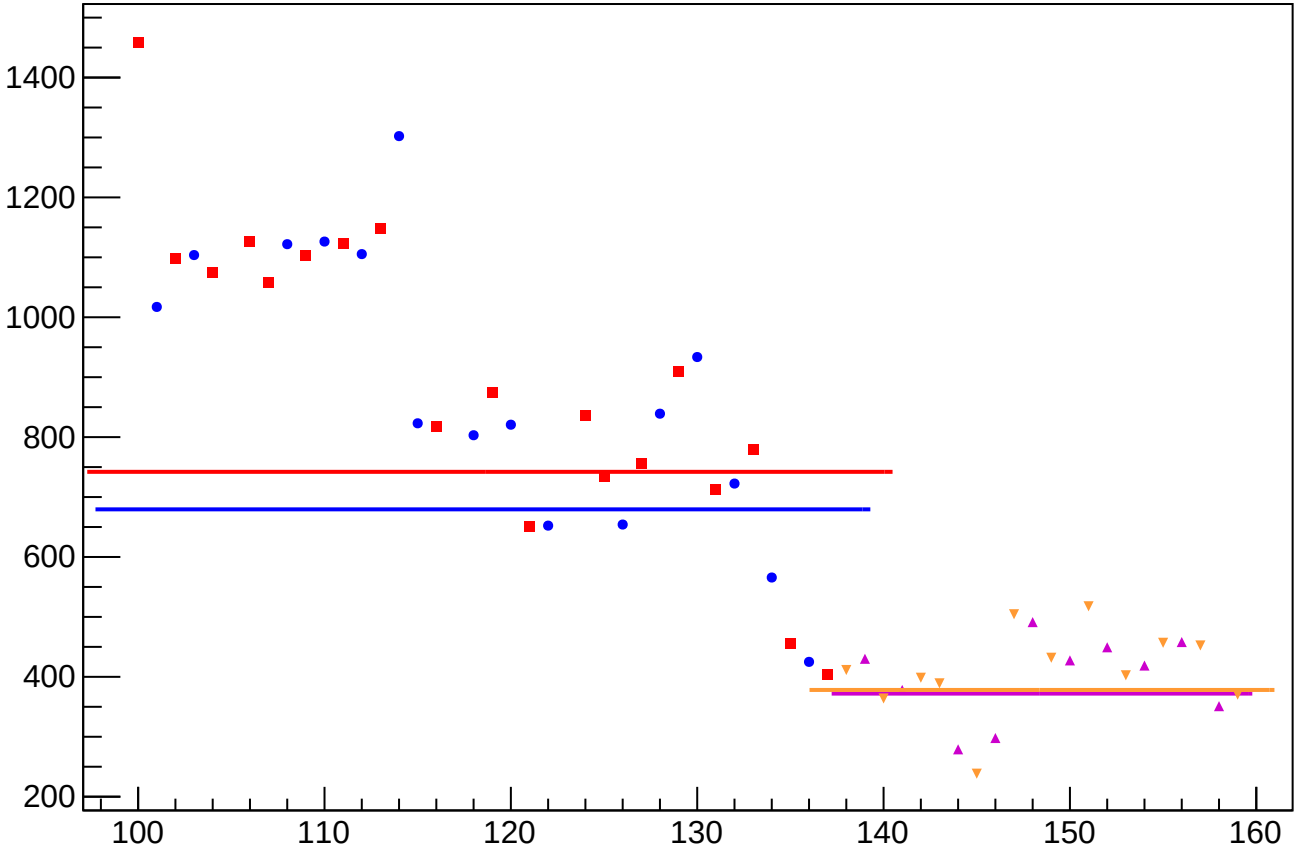
Left In: 116.496+/-129.075 χ^2/NDF:14.2/9

+ sign -256.617+/-114.042 χ^2/NDF: 40.5/27

All: -93.450+/-81.883 χ^2/NDF: 74.2/56

- sign 80.174+/-117.640 χ^2/NDF: 29.5/28

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

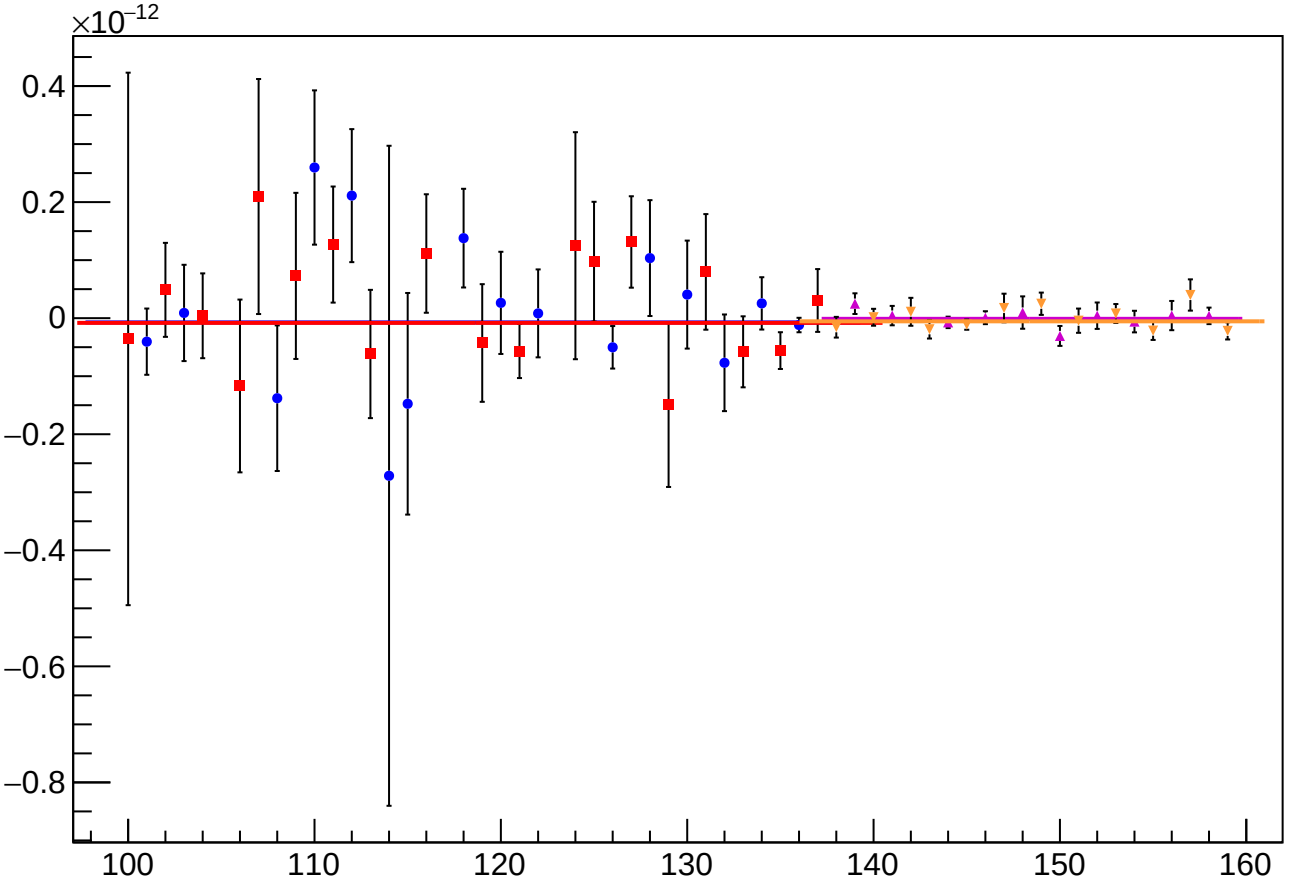
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 372.033+/-0.091 χ^2/NDF:591941.1/9

+ sign 432.504+/-0.081 χ^2/NDF: 4576591.4/27

All: 433.565+/-0.058 χ^2/NDF: 9456843.6/56

- sign 434.694+/-0.083 χ^2/NDF: 4879895.0/28



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

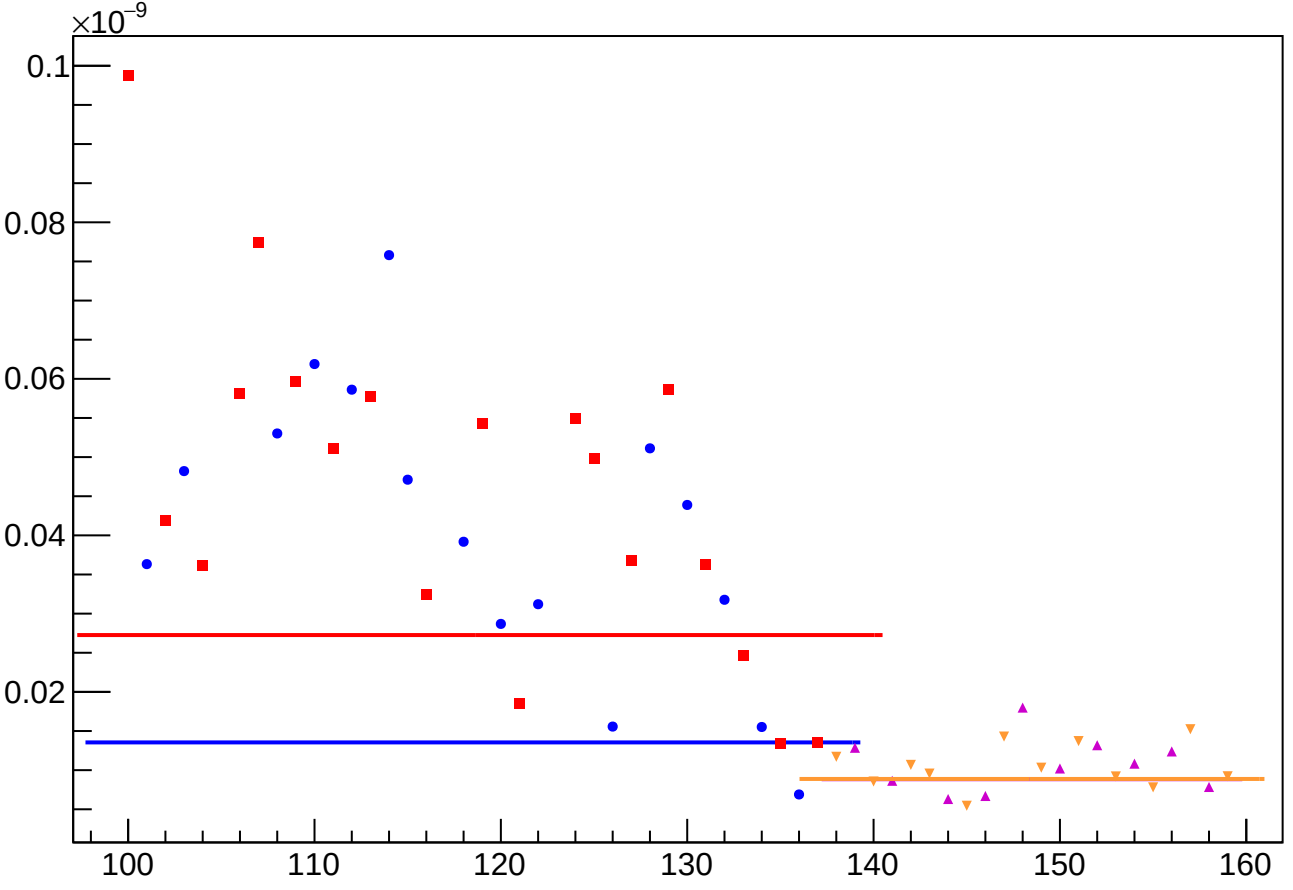
Left In: -0.000+/-0.000 χ^2/NDF:6.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 28.5/27

All: -0.000+/-0.000 χ^2/NDF: 52.2/56

- sign -0.000+/-0.000 χ^2/NDF: 23.2/28

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



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

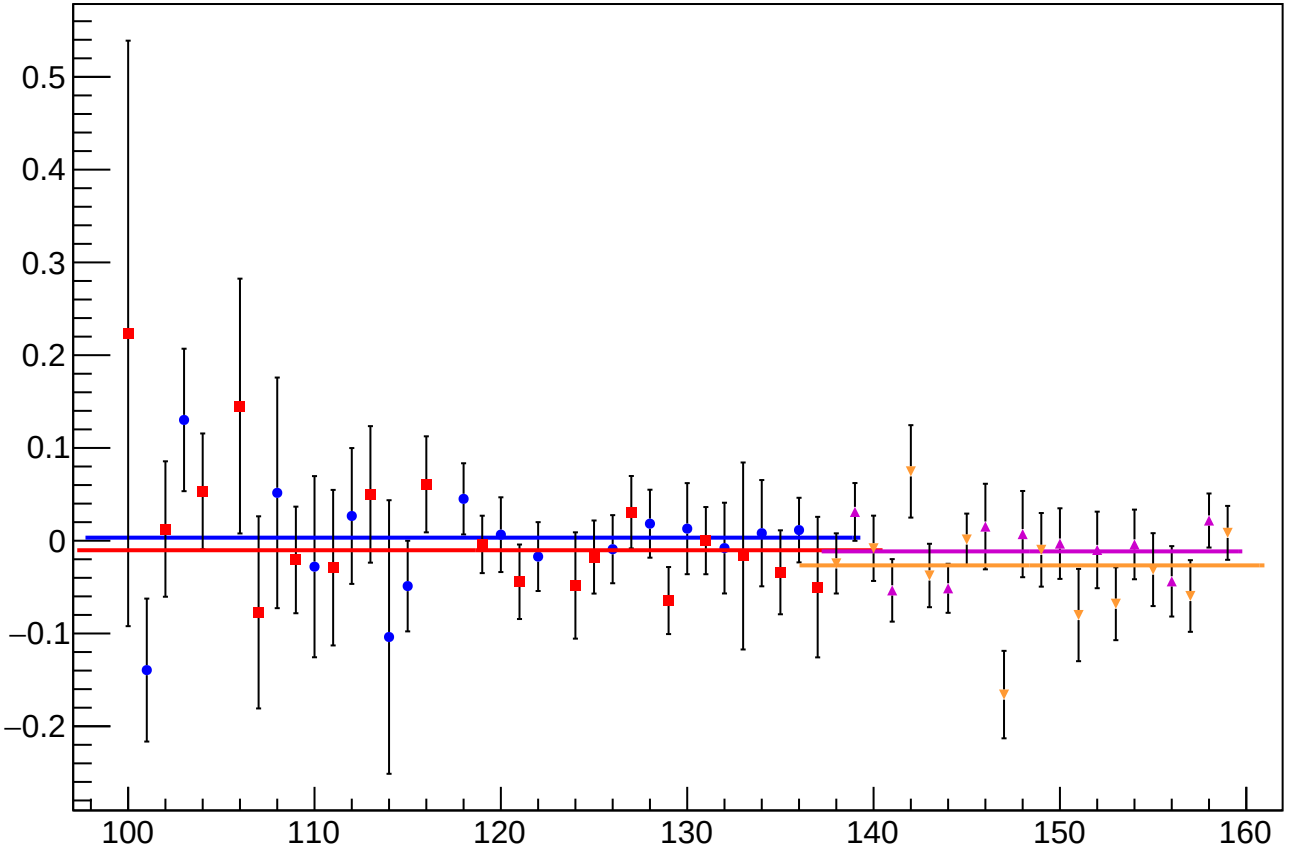
Left In: 0.000+/-0.000 χ^2/NDF:680871.6/9

+ sign 0.000+/-0.000 χ^2/NDF: 4085301.6/27

All: 0.000+/-0.000 χ^2/NDF: 8612069.2/56

- sign 0.000+/-0.000 χ^2/NDF: 4510014.1/28

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

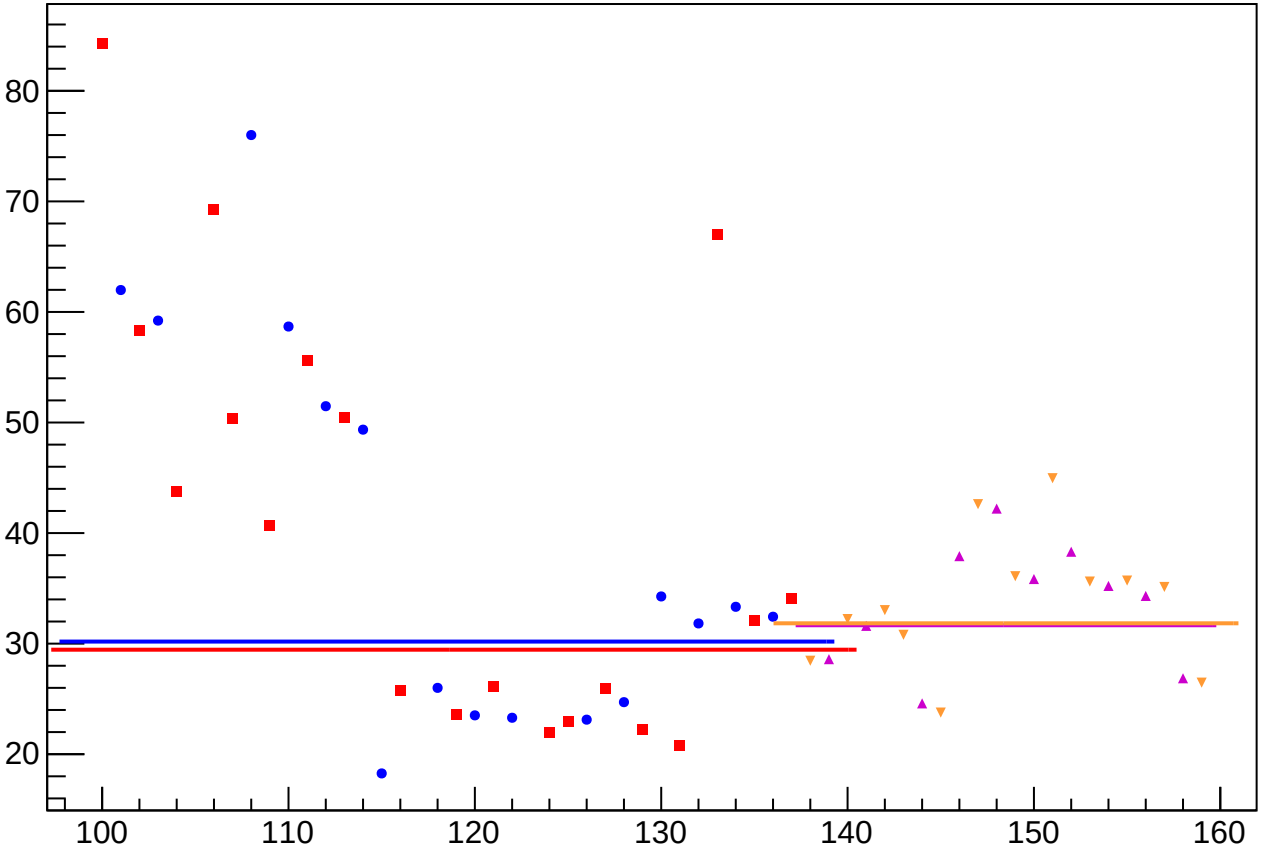
Left In: -0.012+/-0.011 χ^2/NDF:8.3/9

+ sign -0.014+/-0.008 χ^2/NDF: 32.4/27

All: -0.012+/-0.006 χ^2/NDF: 52.0/56

- sign -0.011+/-0.008 χ^2/NDF: 19.5/28

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

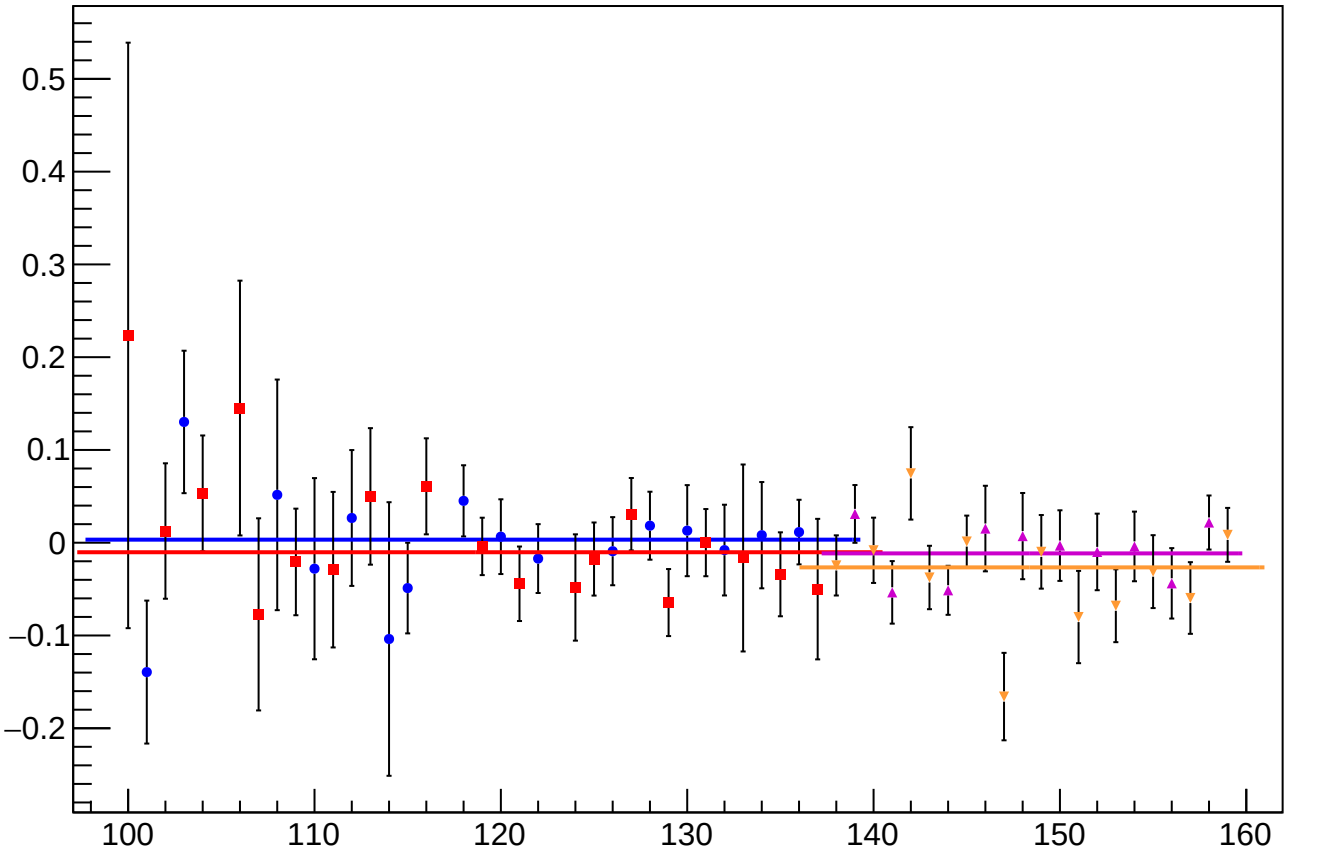
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.664+/-0.008 χ^2/NDF:460182.1/9

+ sign 31.136+/-0.006 χ^2/NDF: 2287350.7/27

All: 30.884+/-0.004 χ^2/NDF: 4637428.7/56

- sign 30.628+/-0.006 χ^2/NDF: 2346099.8/28



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.011 χ^2/NDF:18.9/11

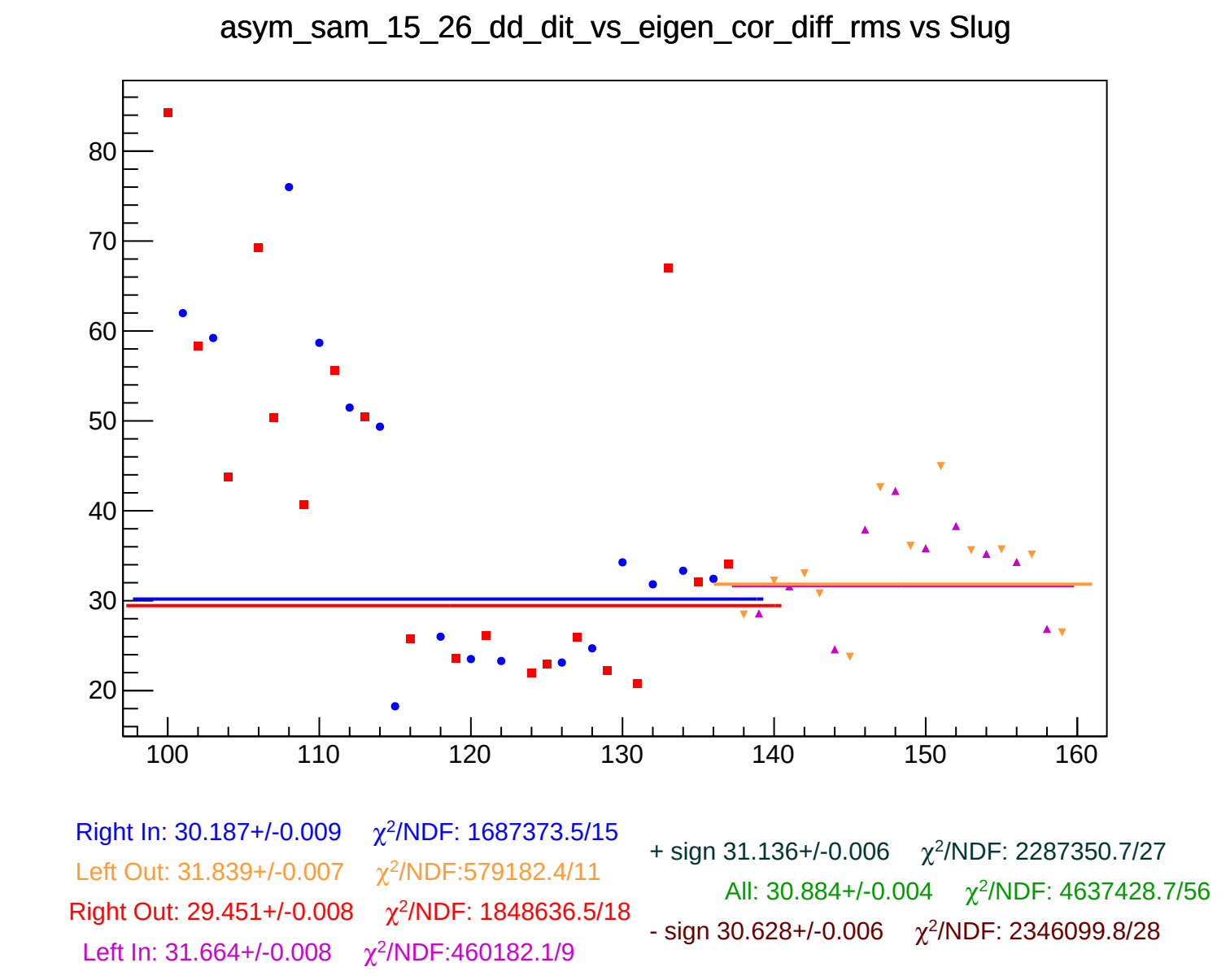
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.012+/-0.011 χ^2/NDF:8.3/9

+ sign -0.014+/-0.008 χ^2/NDF: 32.4/27

All: -0.012+/-0.006 χ^2/NDF: 52.0/56

- sign -0.011+/-0.008 χ^2/NDF: 19.5/28


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
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150
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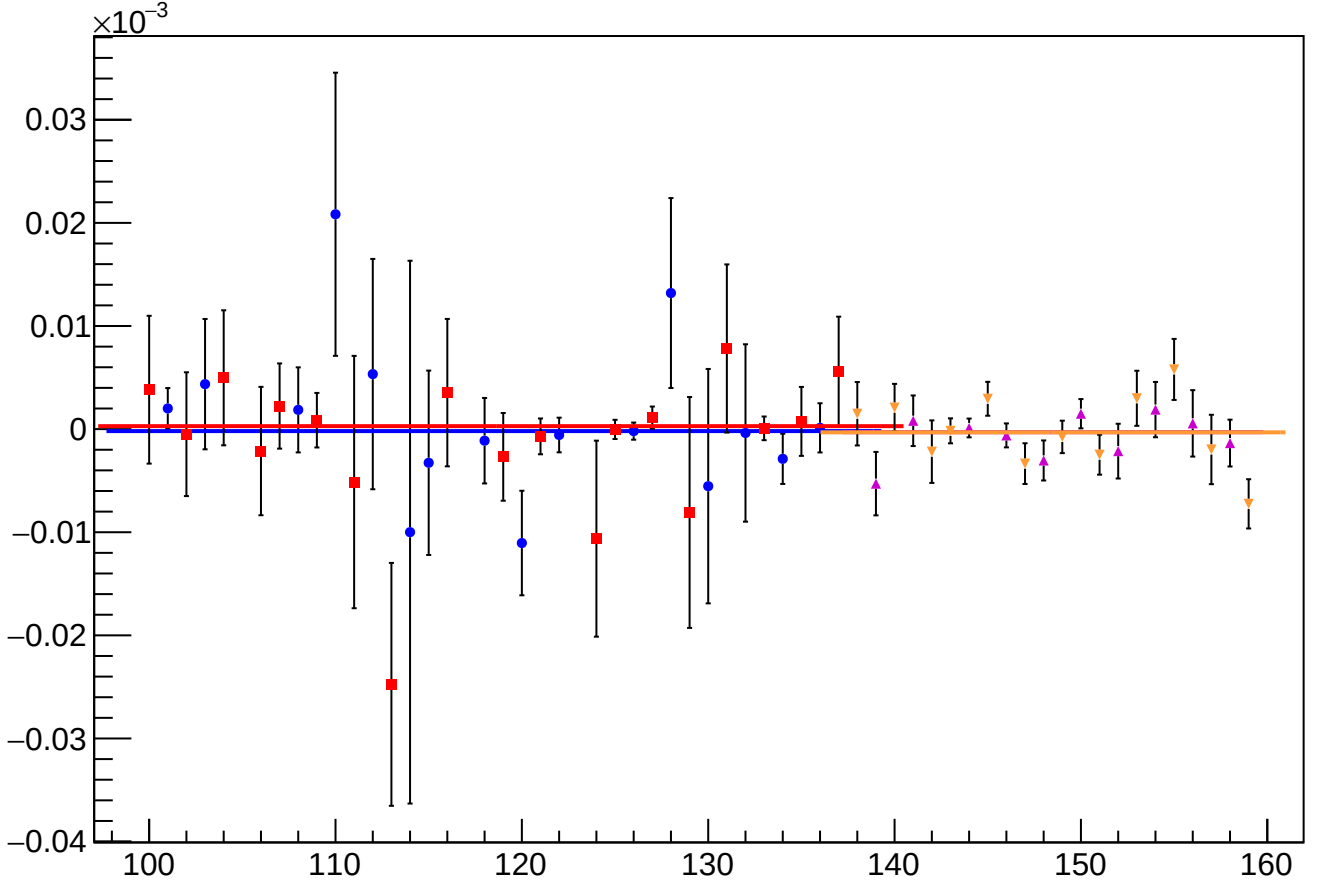
Right In: 30.187+/-0.009 χ²/NDF: 1687373.5/15
Left Out: 31.839+/-0.007 χ²/NDF:579182.4/11
Right Out: 29.451+/-0.008 χ²/NDF: 1848636.5/18
Left In: 31.664+/-0.008 χ²/NDF:460182.1/9
+ sign 31.136+/-0.006 χ²/NDF: 2287350.7/27
All: 30.884+/-0.004 χ²/NDF: 4637428.7/56
- sign 30.628+/-0.006 χ²/NDF: 2346099.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/11

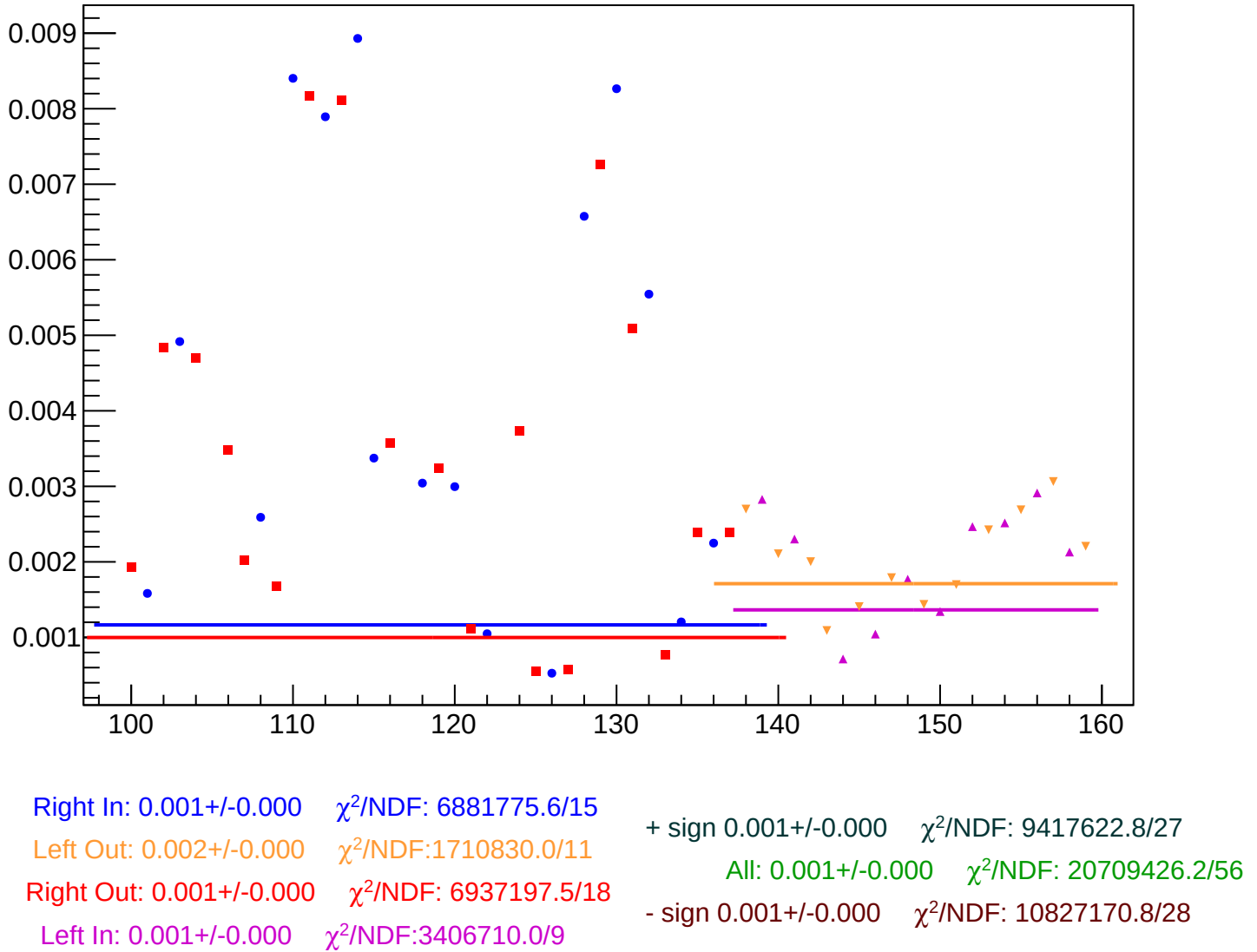
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

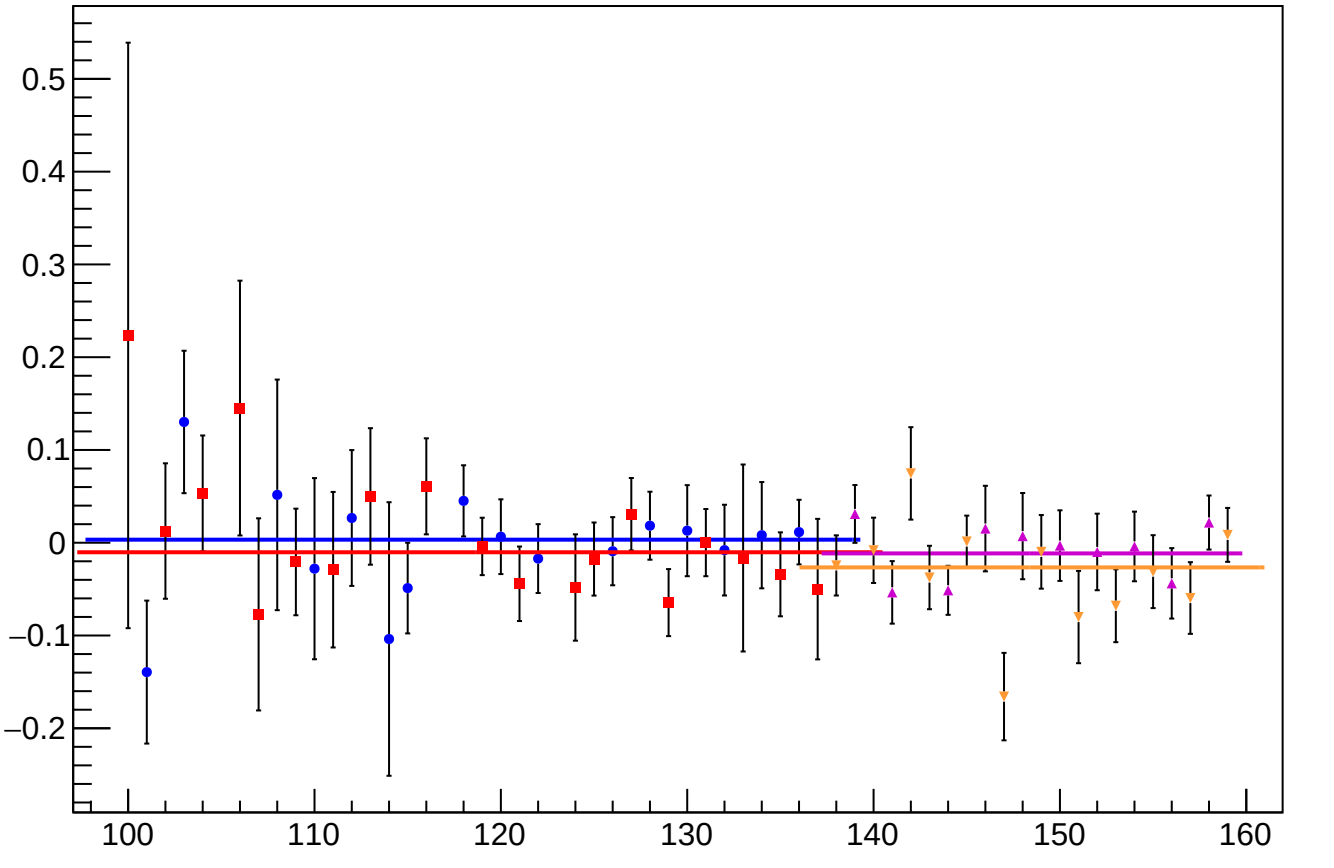
Left In: -0.000+/-0.000 χ^2/NDF:8.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/27

All: -0.000+/-0.000 χ^2/NDF: 57.4/56

- sign 0.000+/-0.000 χ^2/NDF: 20.2/28


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:3406710.0/9
+ sign 0.001+/-0.000 χ²/NDF: 9417622.8/27
All: 0.001+/-0.000 χ²/NDF: 20709426.2/56
- sign 0.001+/-0.000 χ²/NDF: 10827170.8/28



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.011 χ^2/NDF:18.9/11

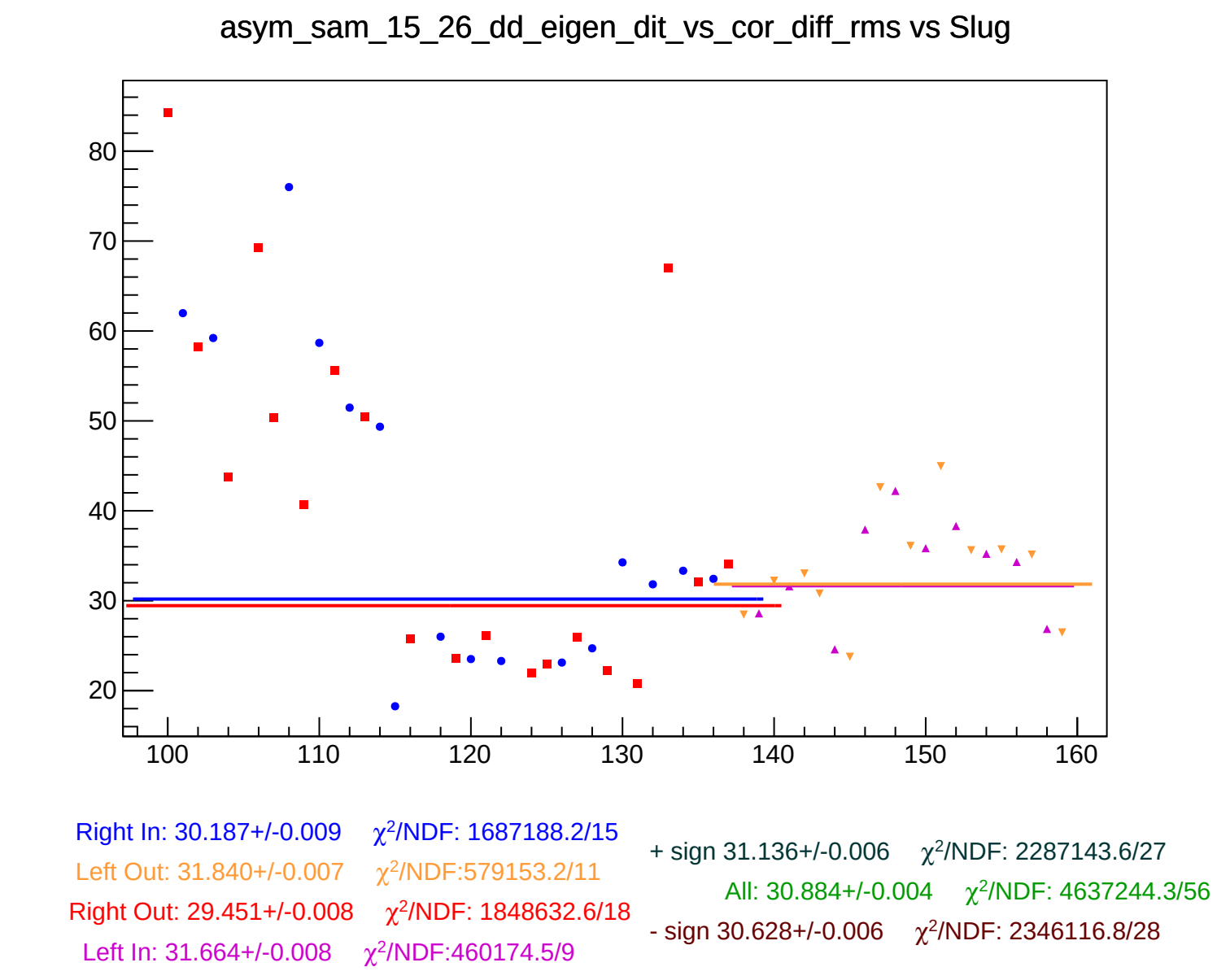
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.012+/-0.011 χ^2/NDF:8.3/9

+ sign -0.014+/-0.008 χ^2/NDF: 32.4/27

All: -0.012+/-0.006 χ^2/NDF: 52.0/56

- sign -0.011+/-0.008 χ^2/NDF: 19.6/28


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug
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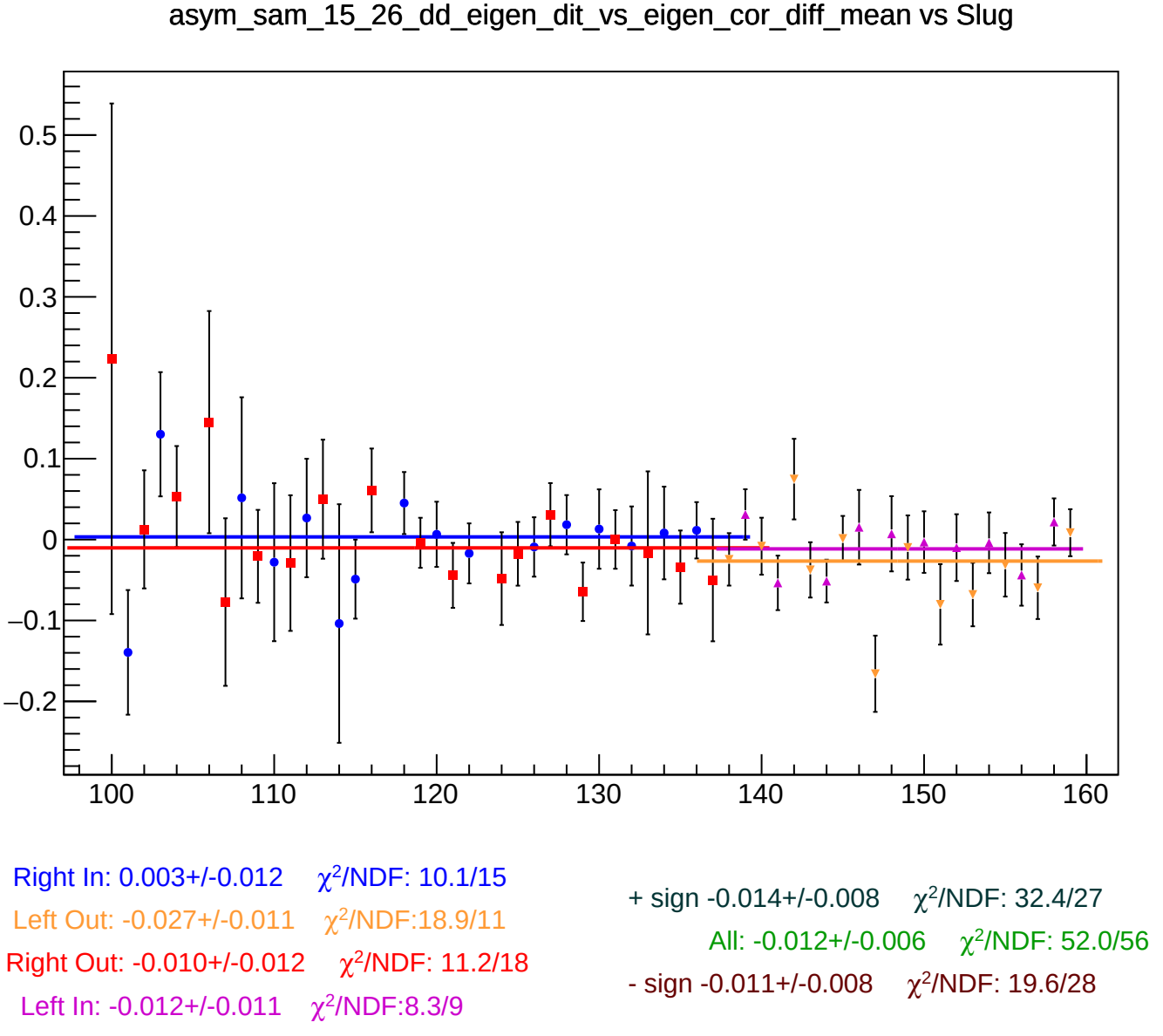
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 31.840+/-0.007 χ²/NDF:579153.2/11
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 31.664+/-0.008 χ²/NDF:460174.5/9
+ sign 31.136+/-0.006 χ²/NDF: 2287143.6/27
All: 30.884+/-0.004 χ²/NDF: 4637244.3/56
- sign 30.628+/-0.006 χ²/NDF: 2346116.8/28


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
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0.2
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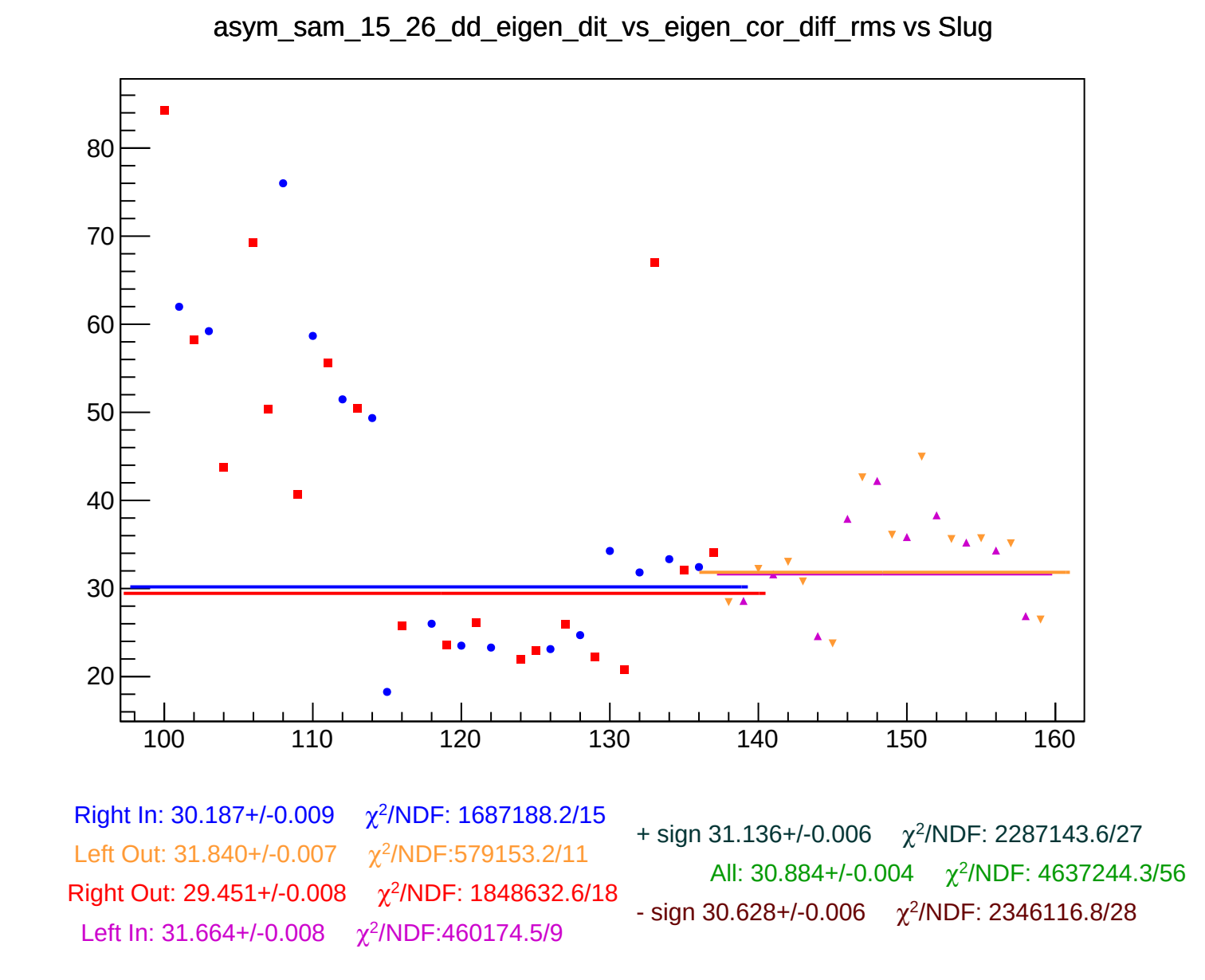
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.027+/-0.011 χ²/NDF:18.9/11
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.012+/-0.011 χ²/NDF:8.3/9
+ sign -0.014+/-0.008 χ²/NDF: 32.4/27
All: -0.012+/-0.006 χ²/NDF: 52.0/56
- sign -0.011+/-0.008 χ²/NDF: 19.6/28


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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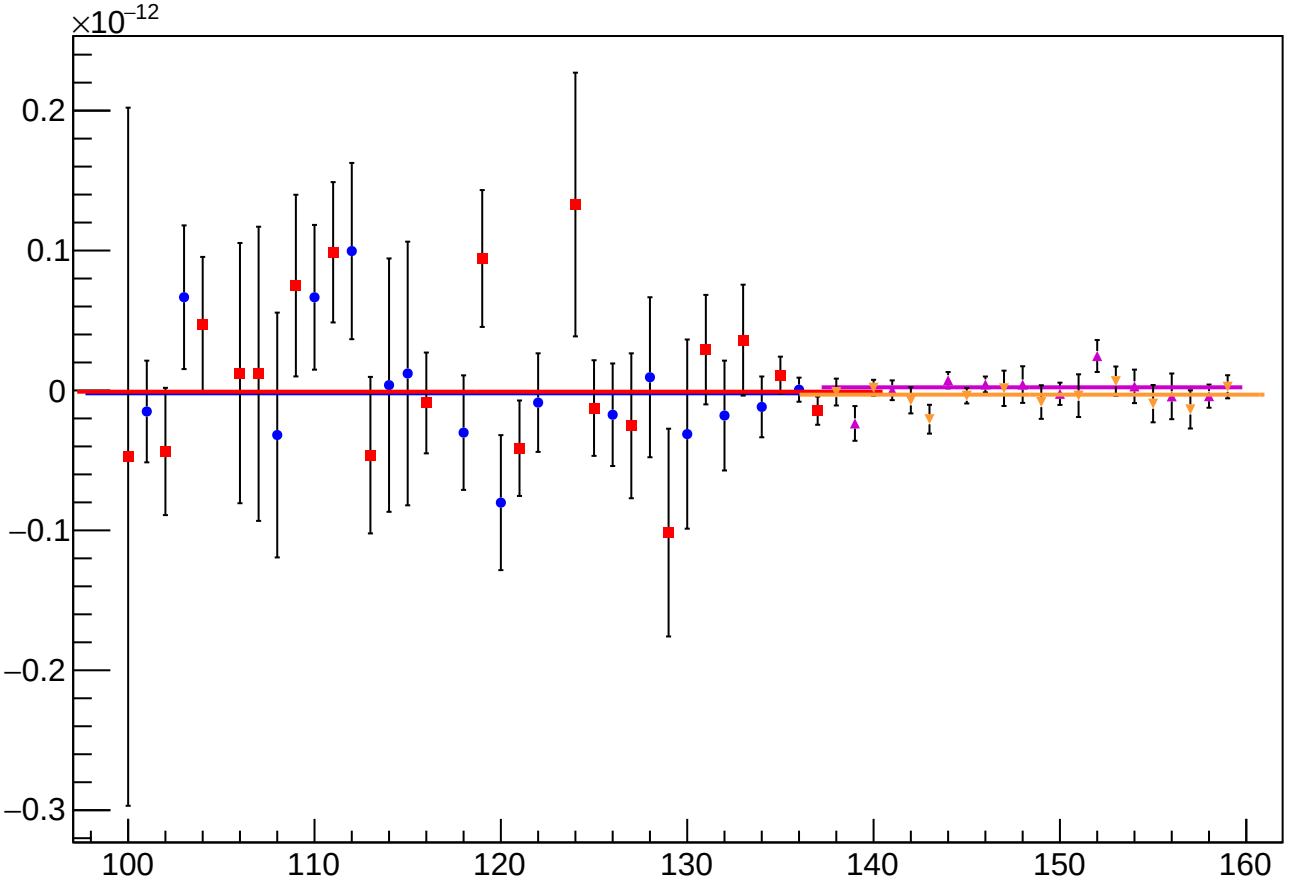
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 31.840+/-0.007 χ²/NDF:579153.2/11
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 31.664+/-0.008 χ²/NDF:460174.5/9
+ sign 31.136+/-0.006 χ²/NDF: 2287143.6/27
All: 30.884+/-0.004 χ²/NDF: 4637244.3/56
- sign 30.628+/-0.006 χ²/NDF: 2346116.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/11

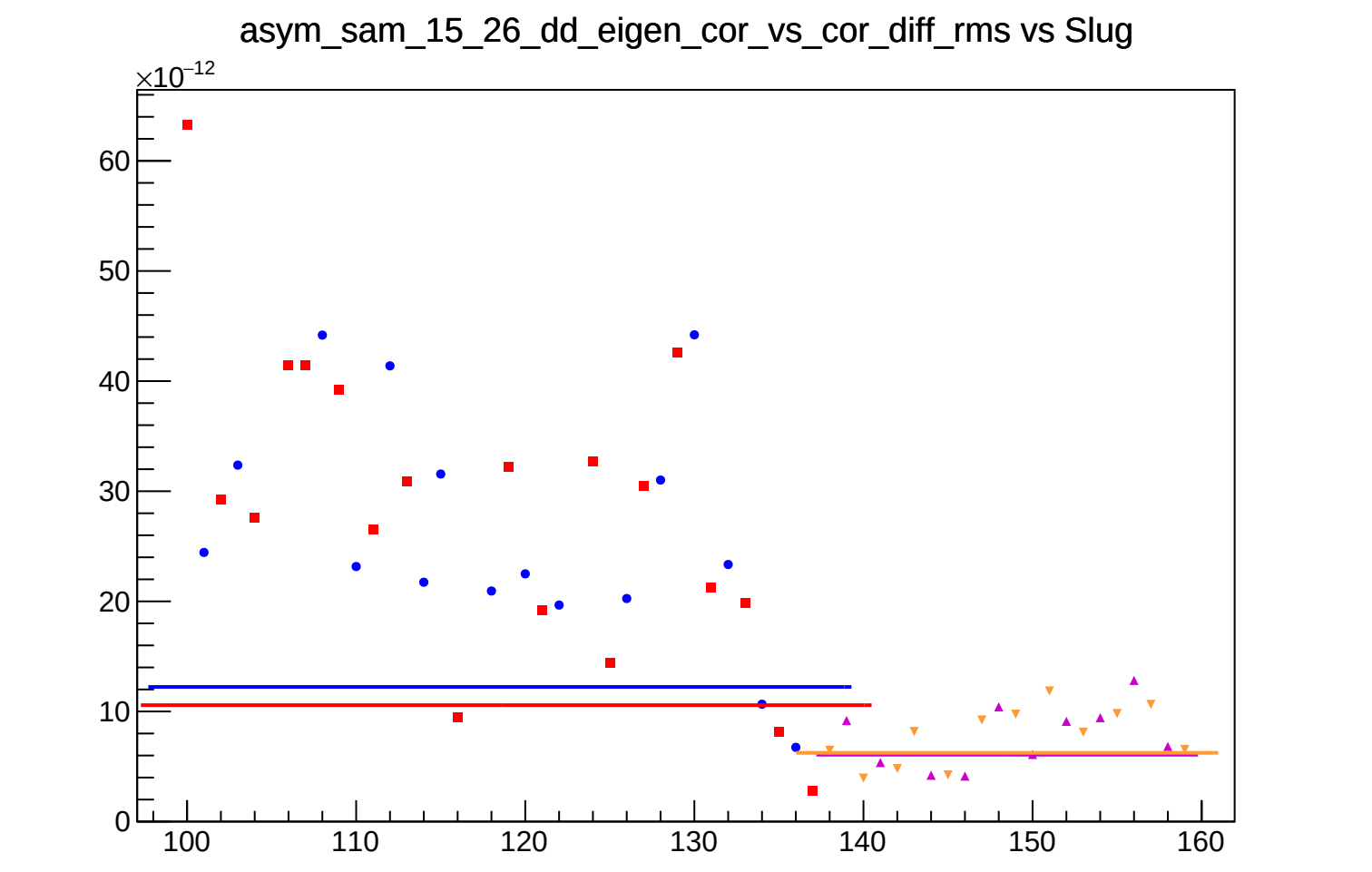
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/9

+ sign -0.000+/-0.000 χ^2/NDF: 16.8/27

All: -0.000+/-0.000 χ^2/NDF: 50.4/56

- sign 0.000+/-0.000 χ^2/NDF: 31.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1675602.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

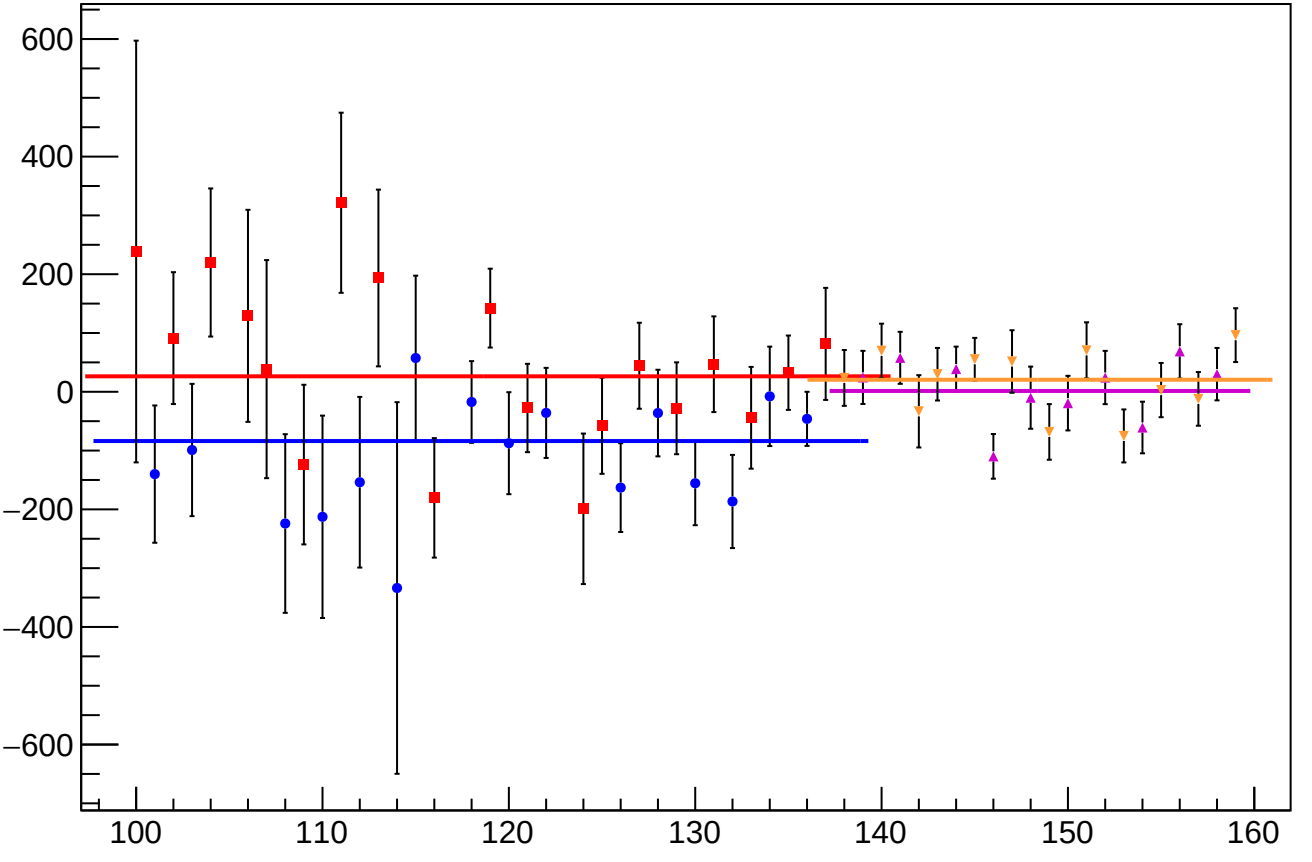
Left In: 0.000+/-0.000 χ^2/NDF:1461504.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 6456295.1/27

All: 0.000+/-0.000 χ^2/NDF: 13492558.3/56

- sign 0.000+/-0.000 χ^2/NDF: 7019547.2/28

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

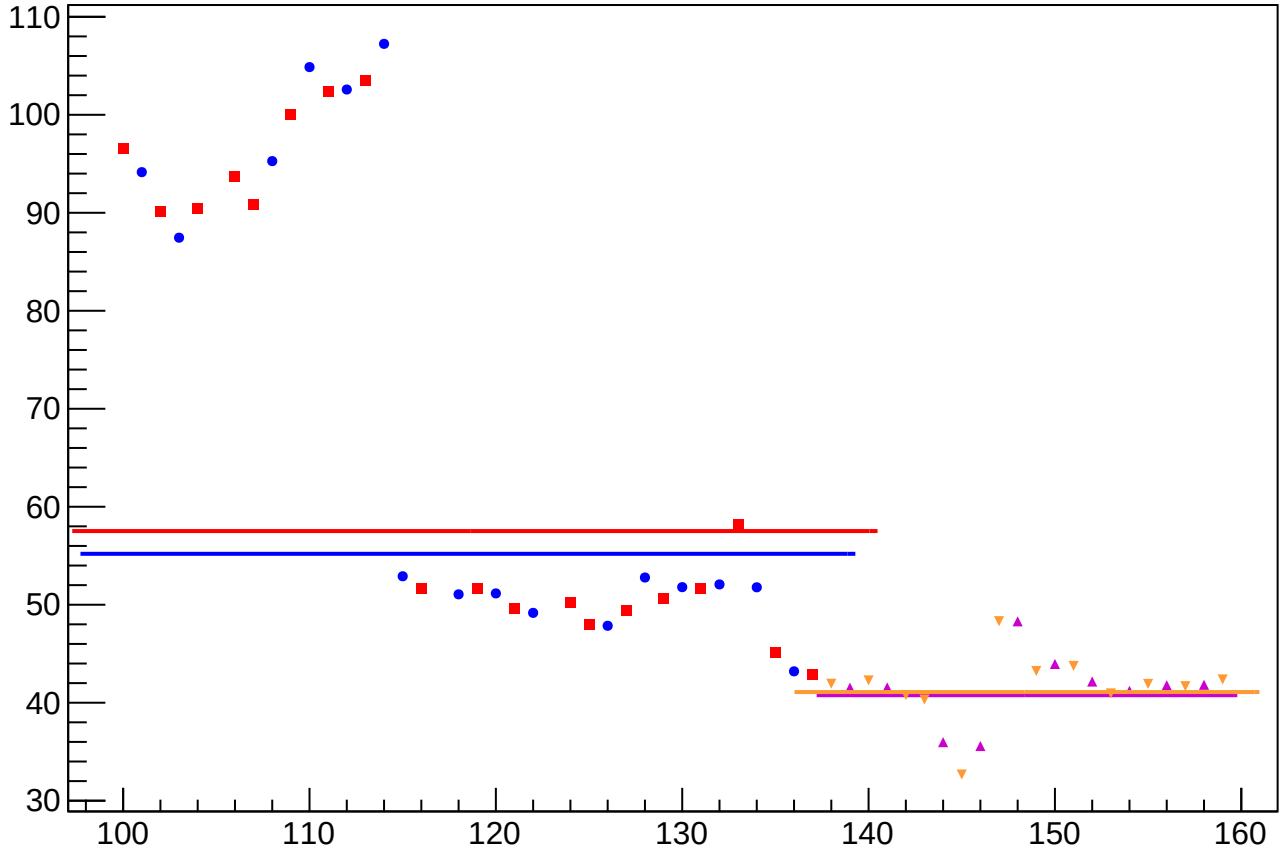
Left In: 1.405+/-13.890 χ^2/NDF:16.5/9

+ sign -8.730+/-11.344 χ^2/NDF: 43.3/27

All: -0.436+/-8.163 χ^2/NDF: 84.8/56

- sign 8.470+/-11.755 χ^2/NDF: 40.3/28

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

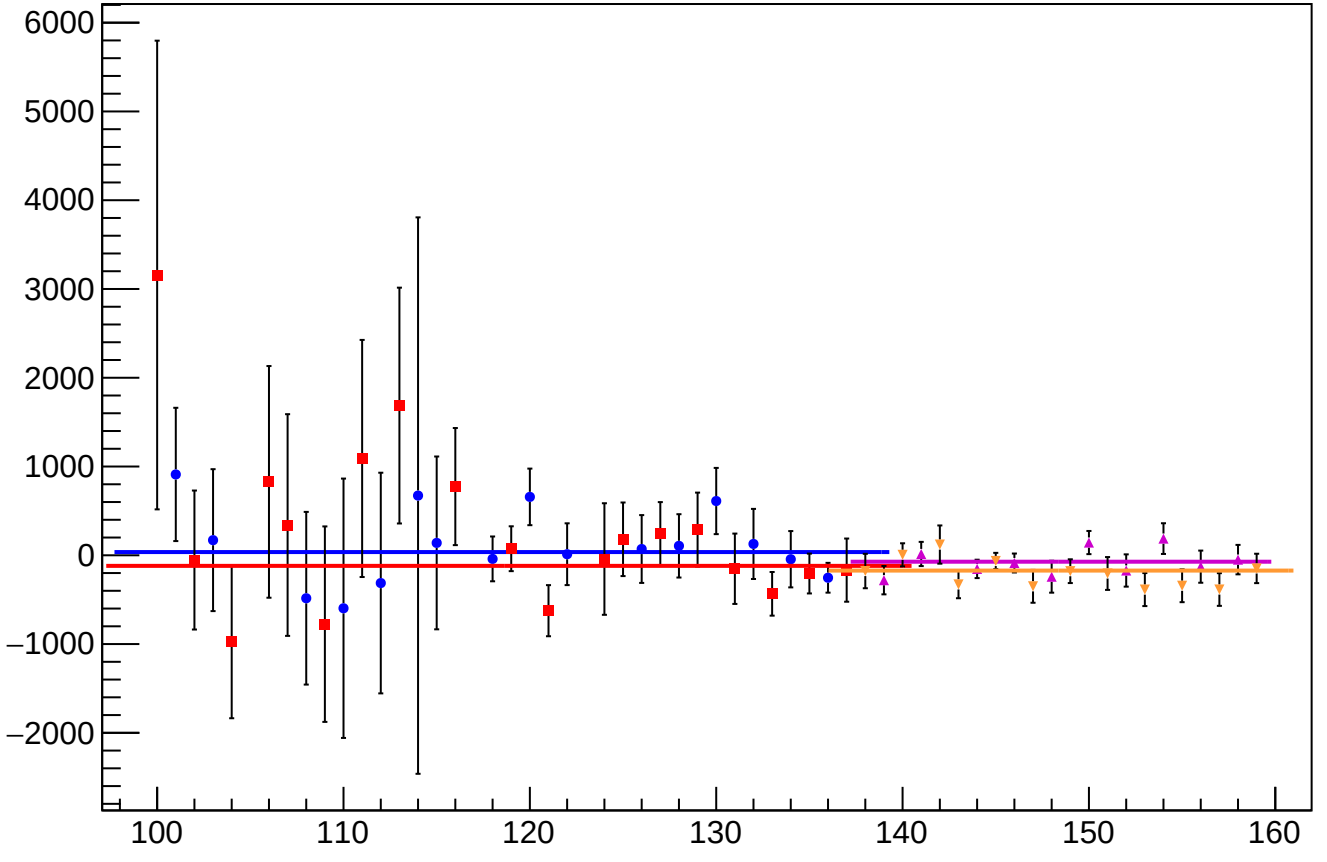
Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

+ sign 45.041+/-0.008 χ^2/NDF: 1936324.6/27

All: 45.273+/-0.006 χ^2/NDF: 4169686.6/56

- sign 45.522+/-0.008 χ^2/NDF: 2231629.1/28

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

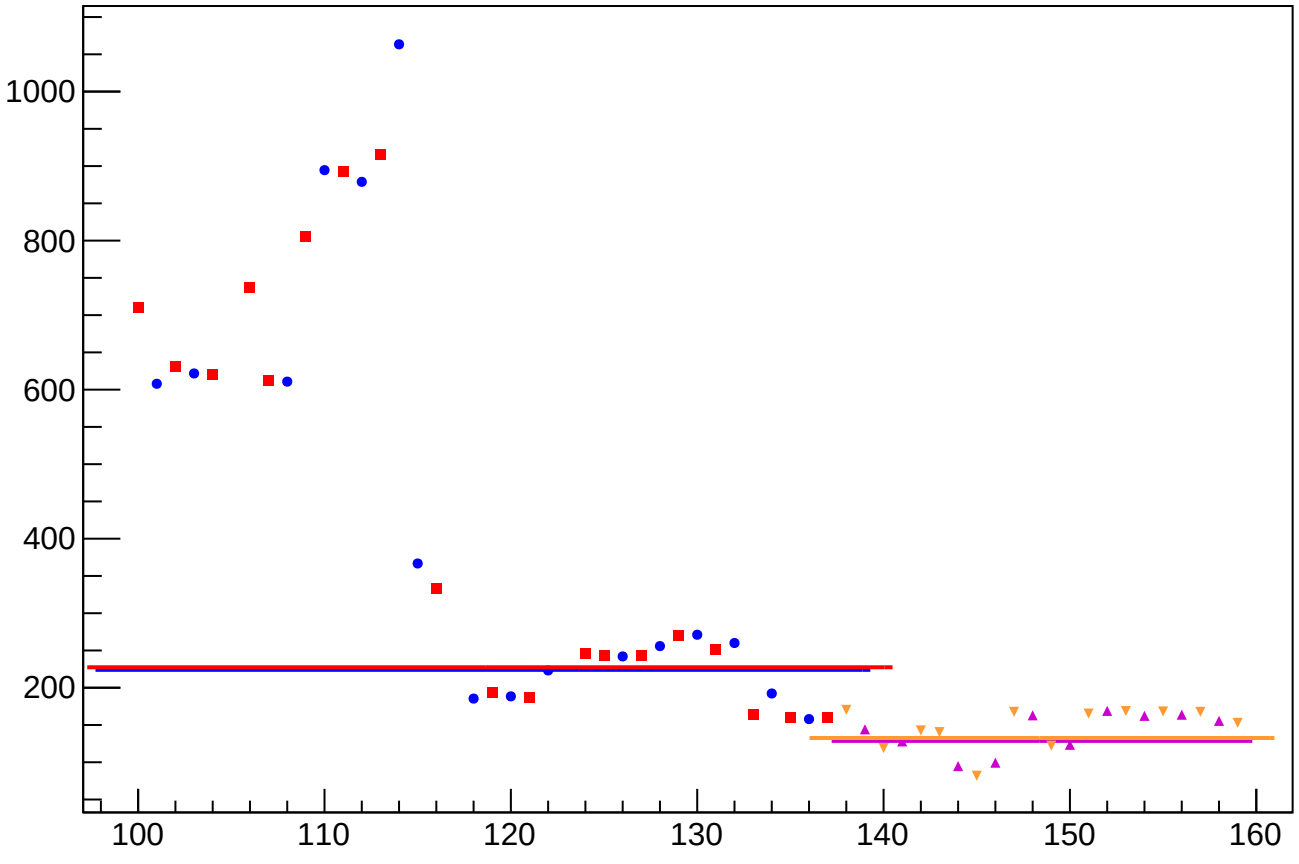
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -72.333+/-44.988 χ^2/NDF:9.0/9

+ sign -133.838+/-40.155 χ^2/NDF: 26.1/27

All: -107.687+/-28.593 χ^2/NDF: 52.2/56

- sign -80.790+/-40.724 χ^2/NDF: 25.2/28



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

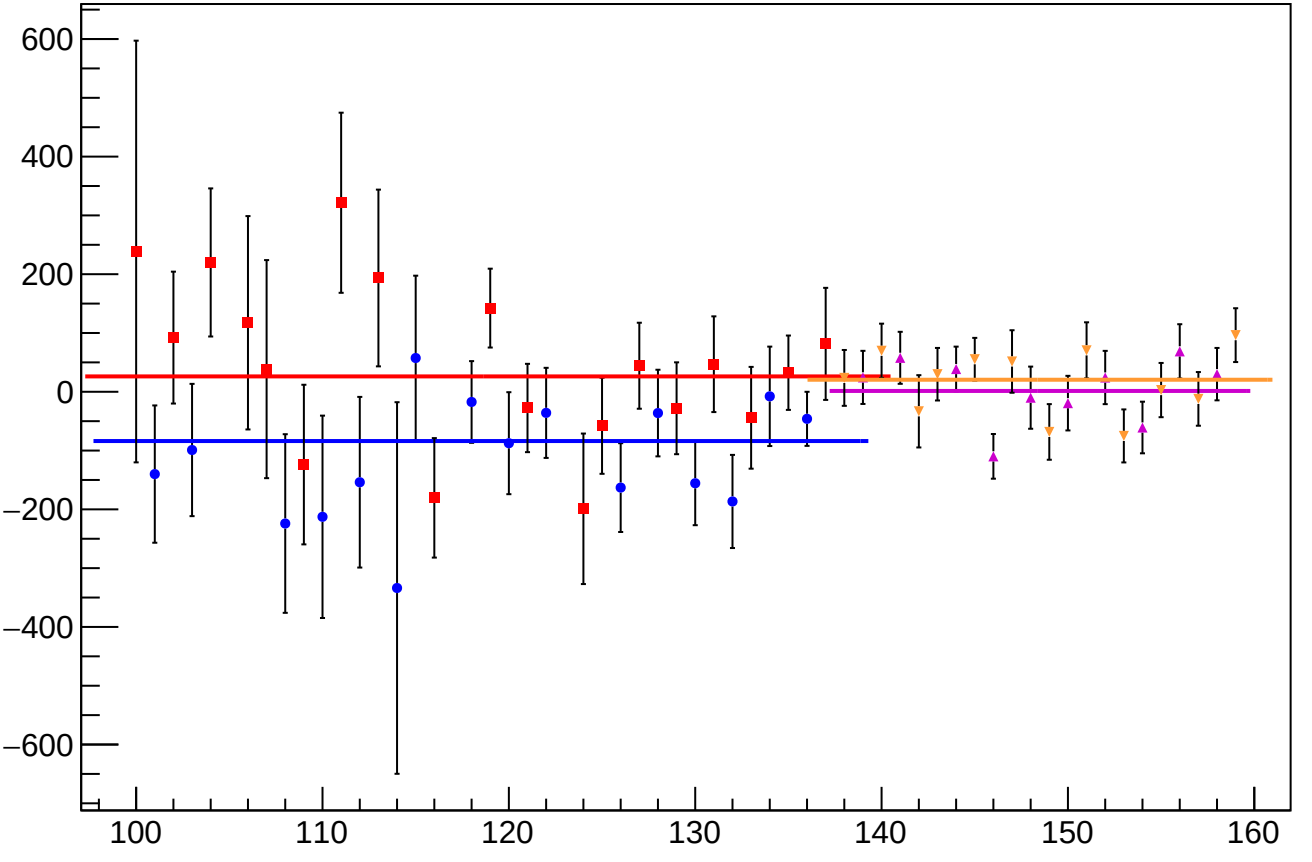
Left In: 128.672+/-0.032 χ^2/NDF:759498.6/9

+ sign 149.384+/-0.028 χ^2/NDF: 5646718.7/27

All: 147.967+/-0.020 χ^2/NDF: 11793038.6/56

- sign 146.509+/-0.029 χ^2/NDF: 6141265.2/28

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

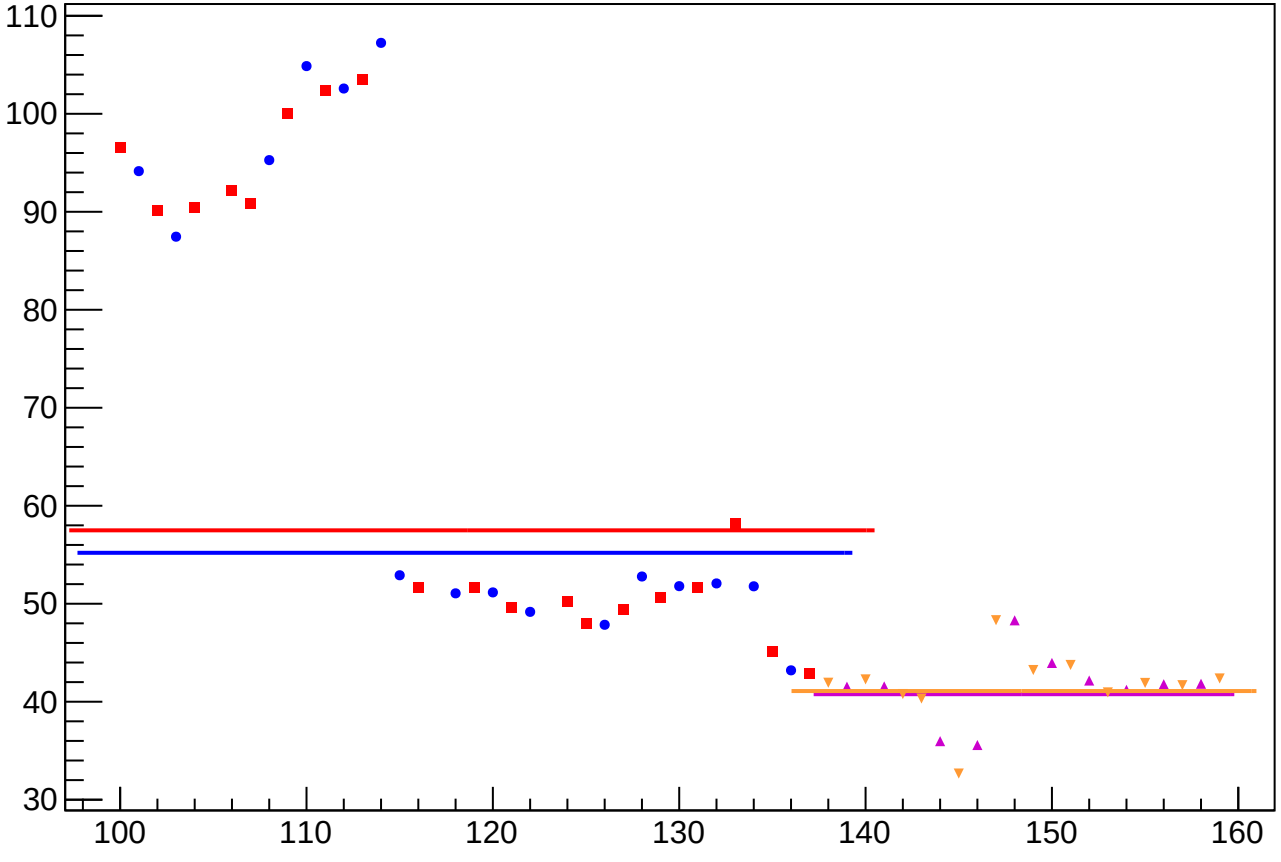
Left In: 1.405+/-13.890 χ^2/NDF:16.5/9

+ sign -8.730+/-11.344 χ^2/NDF: 43.3/27

All: -0.459+/-8.163 χ^2/NDF: 84.7/56

- sign 8.424+/-11.756 χ^2/NDF: 40.3/28

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

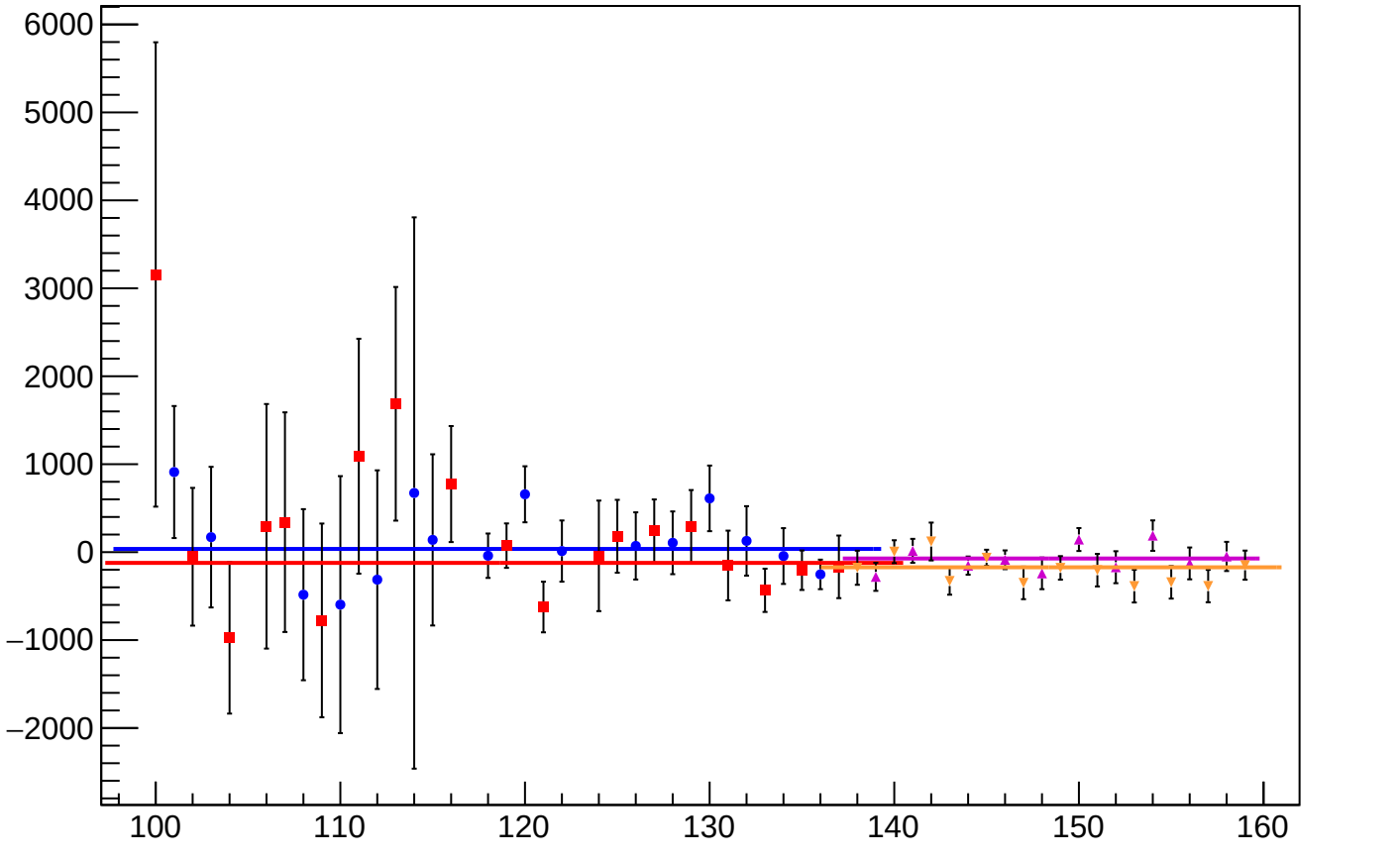
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

+ sign 45.041+/-0.008 χ^2/NDF: 1936324.9/27

All: 45.268+/-0.006 χ^2/NDF: 4159261.9/56

- sign 45.513+/-0.008 χ^2/NDF: 2221267.3/28



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -172.259+/-44.457 χ^2/NDF:10.6/11

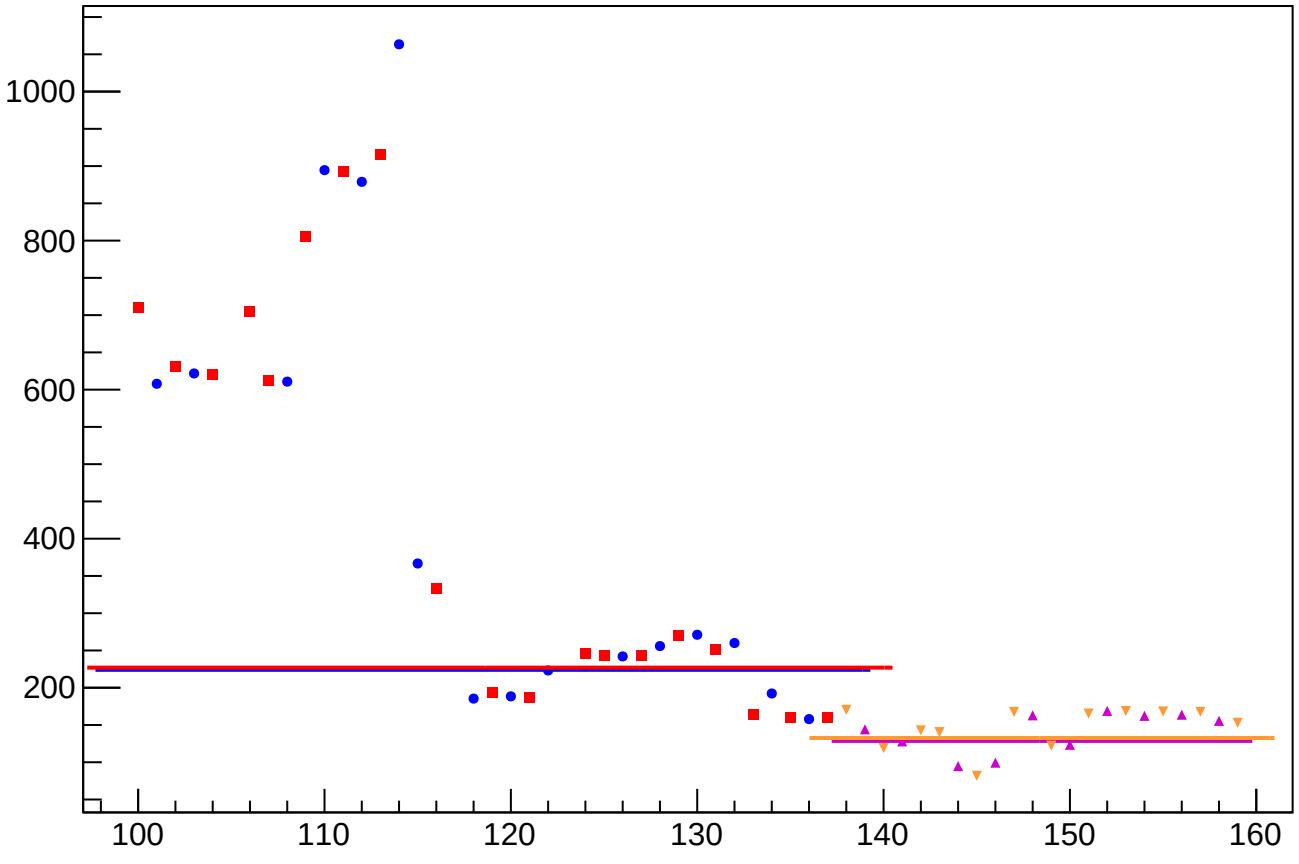
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -72.332+/-44.988 χ^2/NDF:9.0/9

+ sign -133.840+/-40.155 χ^2/NDF: 26.1/27

All: -107.965+/-28.594 χ^2/NDF: 51.7/56

- sign -81.348+/-40.726 χ^2/NDF: 24.8/28



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

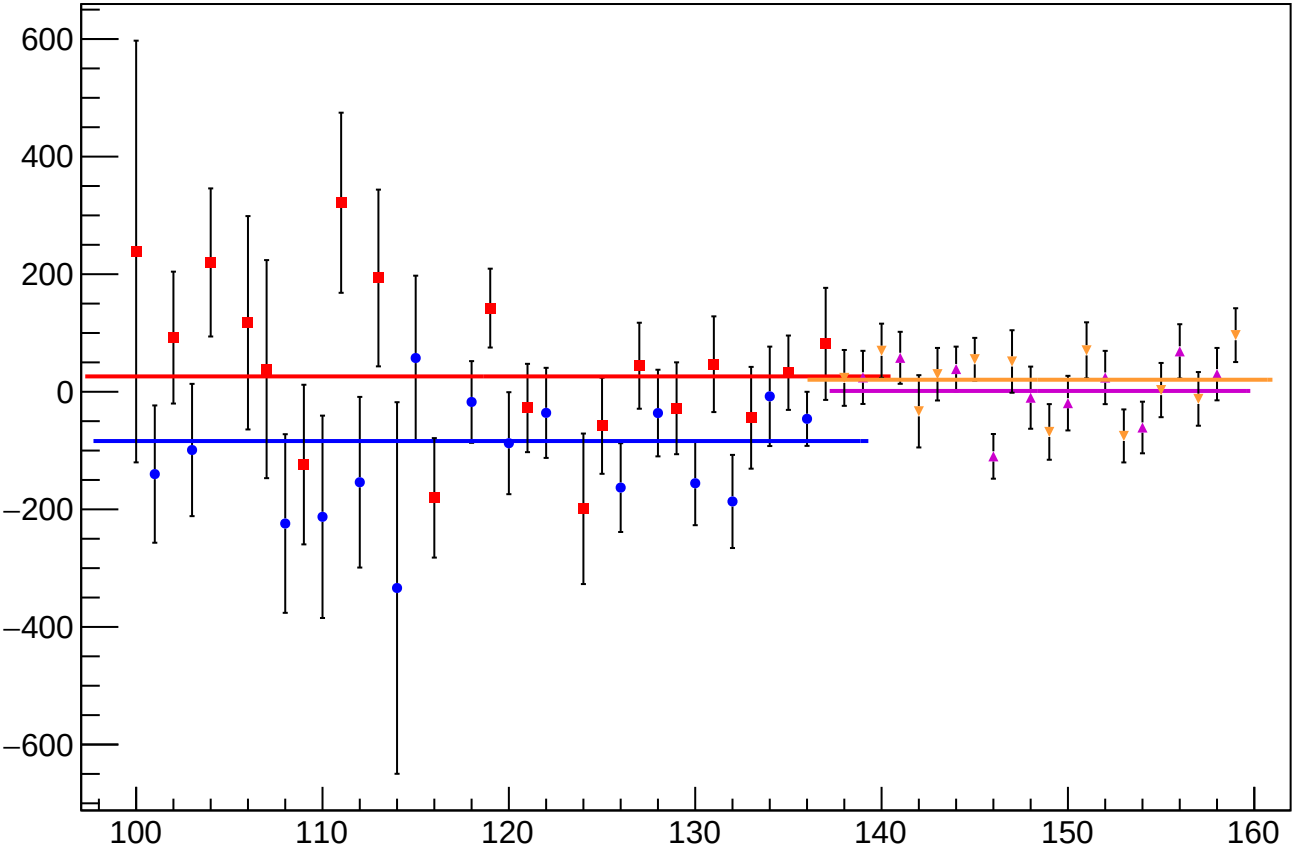
Left In: 128.672+/-0.032 χ^2/NDF:759500.1/9

+ sign 149.384+/-0.028 χ^2/NDF: 5646730.3/27

All: 147.920+/-0.020 χ^2/NDF: 11706916.0/56

- sign 146.413+/-0.029 χ^2/NDF: 6054786.9/28

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

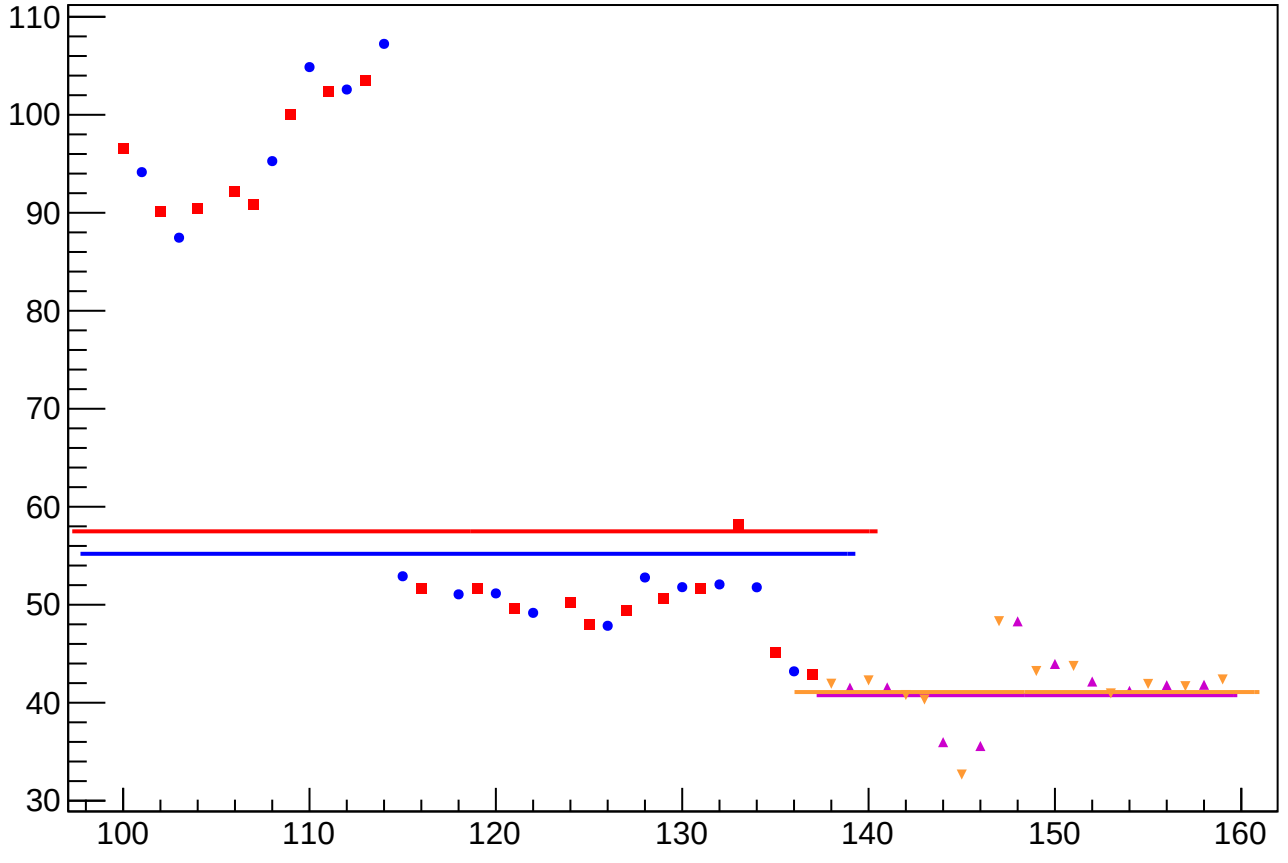
Left In: 1.405+/-13.890 χ^2/NDF:16.5/9

+ sign -8.730+/-11.344 χ^2/NDF: 43.3/27

All: -0.459+/-8.163 χ^2/NDF: 84.7/56

- sign 8.424+/-11.756 χ^2/NDF: 40.3/28

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

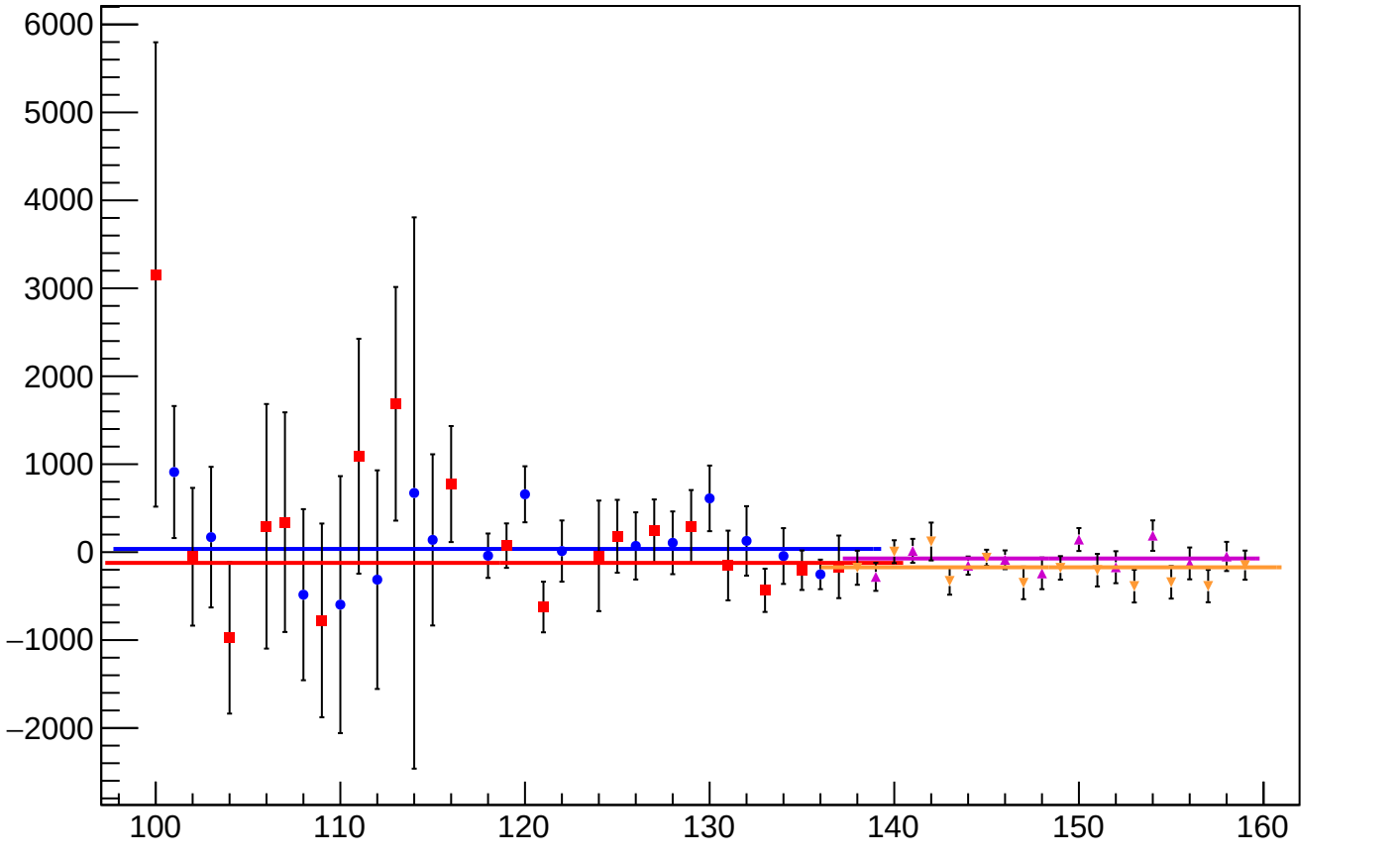
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.768+/-0.010 χ^2/NDF:124406.5/9

+ sign 45.041+/-0.008 χ^2/NDF: 1936324.9/27

All: 45.268+/-0.006 χ^2/NDF: 4159261.9/56

- sign 45.513+/-0.008 χ^2/NDF: 2221267.3/28



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -172.259+/-44.457 χ^2/NDF:10.6/11

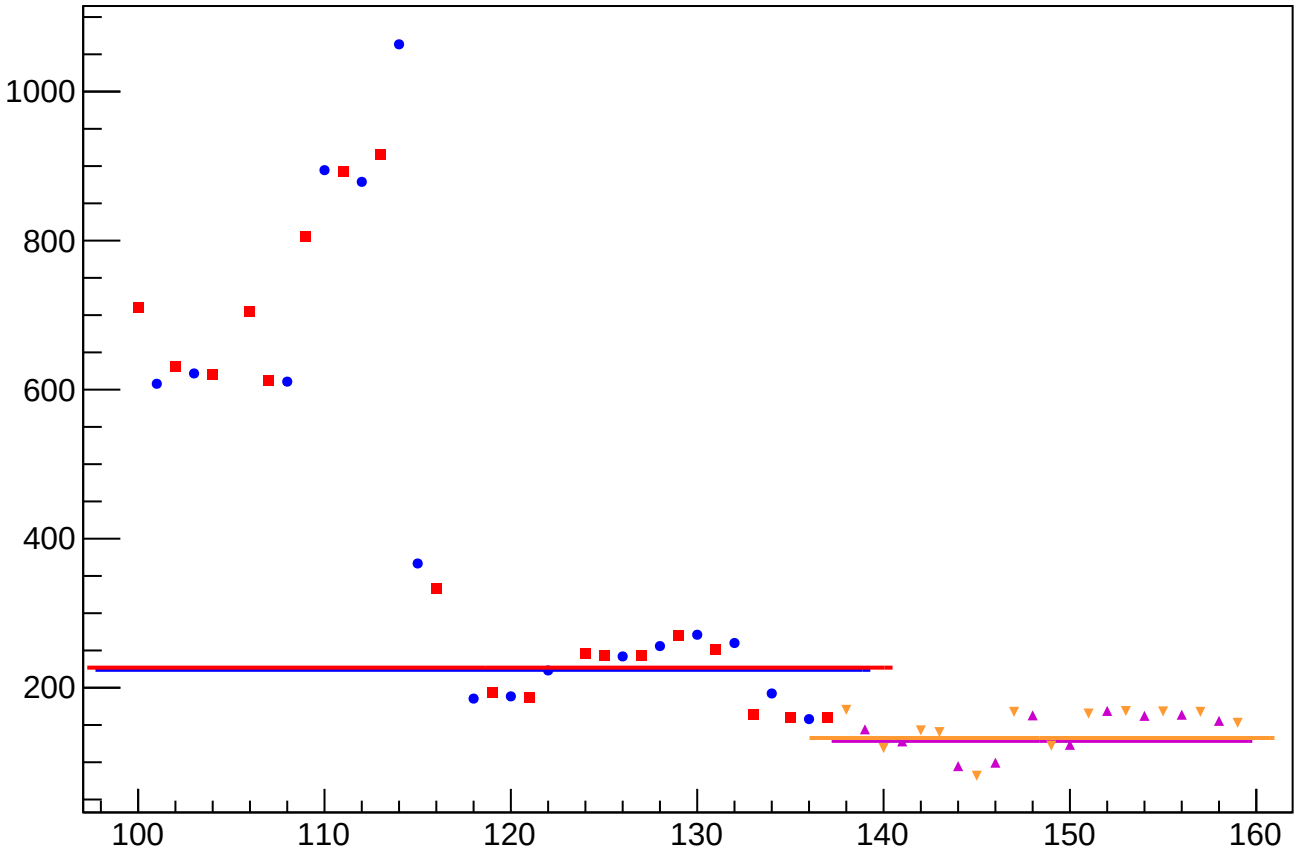
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -72.332+/-44.988 χ^2/NDF:9.0/9

+ sign -133.840+/-40.155 χ^2/NDF: 26.1/27

All: -107.965+/-28.594 χ^2/NDF: 51.7/56

- sign -81.348+/-40.726 χ^2/NDF: 24.8/28



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

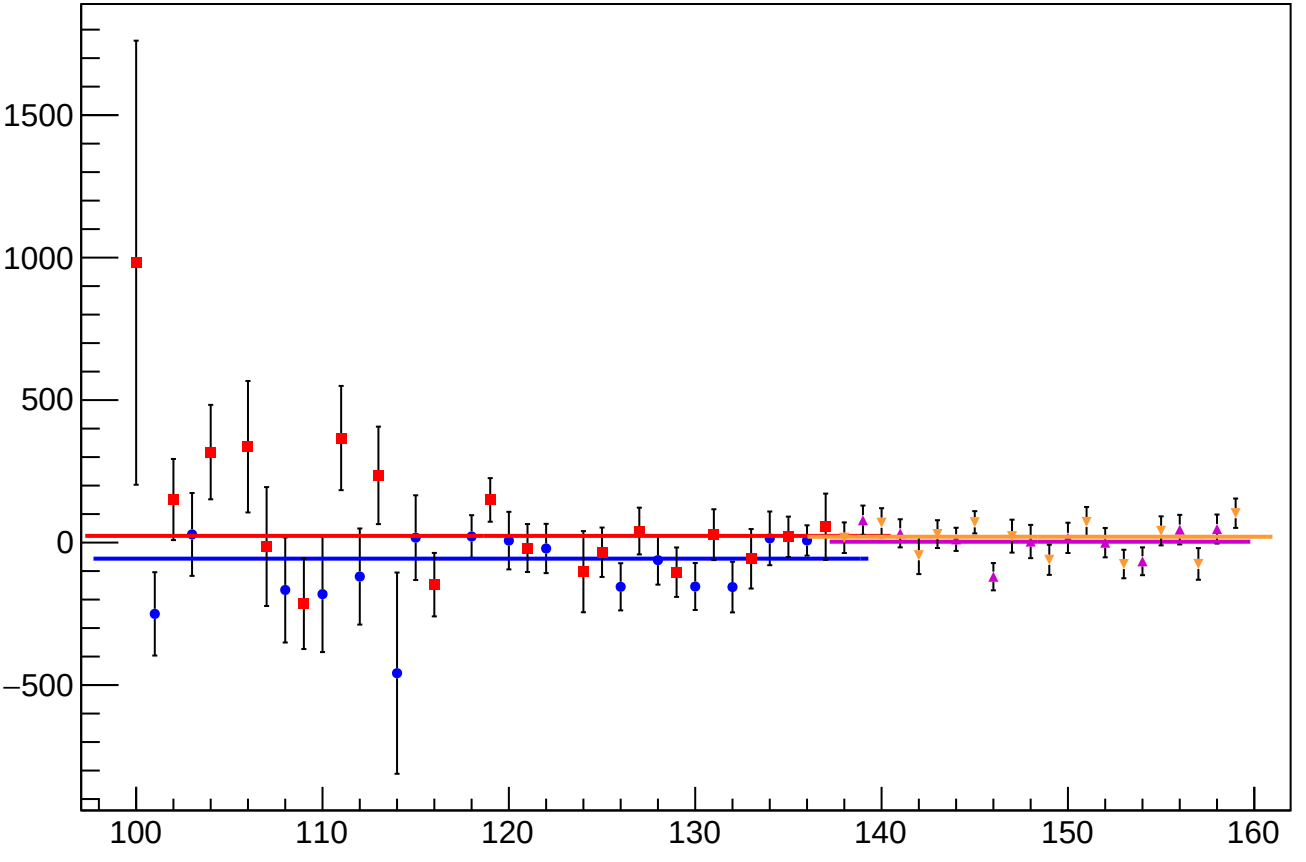
Left In: 128.672+/-0.032 χ^2/NDF:759500.1/9

+ sign 149.384+/-0.028 χ^2/NDF: 5646730.3/27

All: 147.920+/-0.020 χ^2/NDF: 11706916.0/56

- sign 146.413+/-0.029 χ^2/NDF: 6054786.9/28

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.516+/-14.847 χ^2/NDF:16.3/11

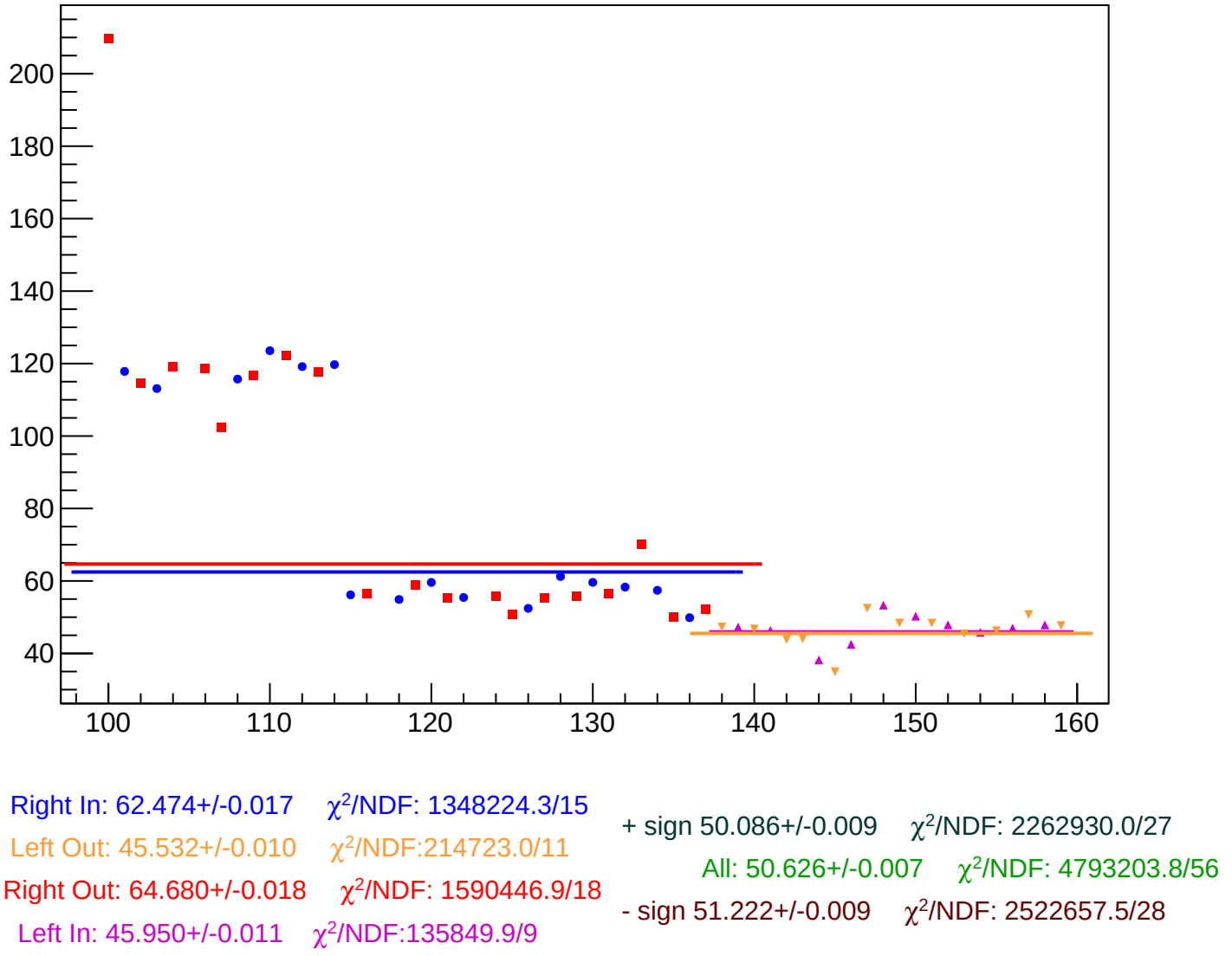
Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 2.987+/-15.748 χ^2/NDF:12.6/9

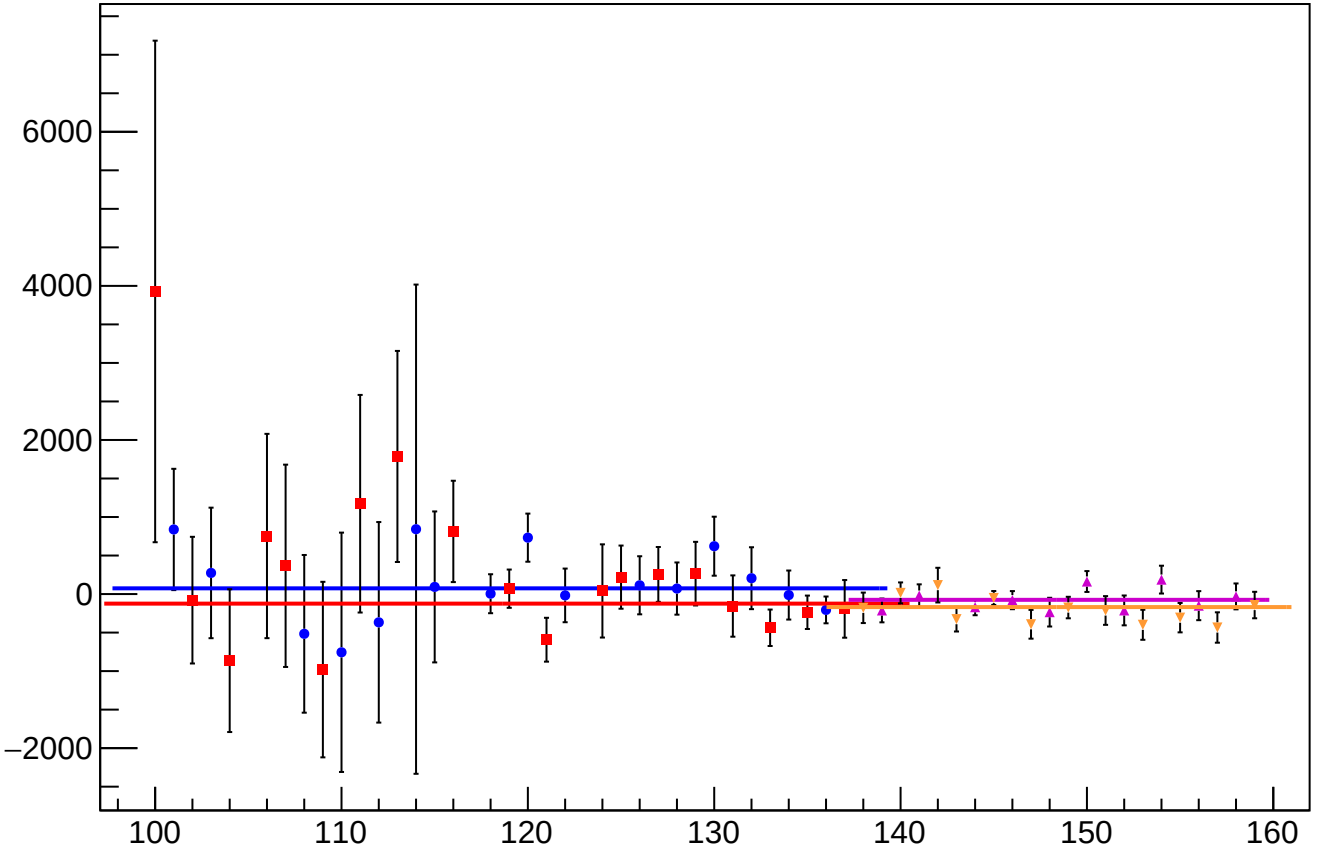
+ sign -0.162+/-12.696 χ^2/NDF: 35.7/27

All: 4.076+/-9.200 χ^2/NDF: 73.1/56

- sign 8.760+/-13.349 χ^2/NDF: 37.2/28


dit_asym_sam_37_26_dd_rms vs Slug
200
180
160
140
120
100
80
60
40
100
110
120
130
140
150
160
Right In: 62.474+/-0.017 χ²/NDF: 1348224.3/15
Left Out: 45.532+/-0.010 χ²/NDF:214723.0/11
Right Out: 64.680+/-0.018 χ²/NDF: 1590446.9/18
Left In: 45.950+/-0.011 χ²/NDF:135849.9/9
+ sign 50.086+/-0.009 χ²/NDF: 2262930.0/27
All: 50.626+/-0.007 χ²/NDF: 4793203.8/56
- sign 51.222+/-0.009 χ²/NDF: 2522657.5/28

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

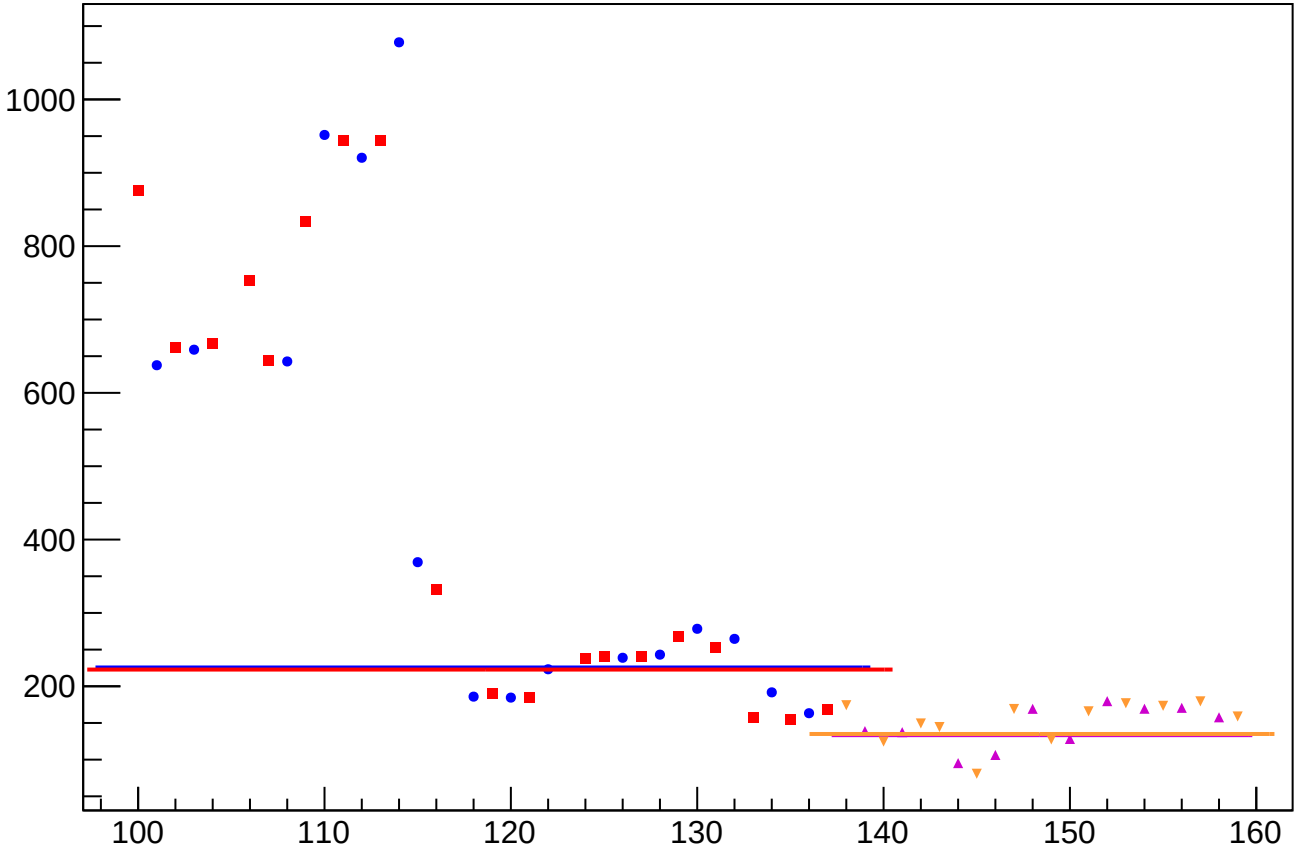
Left In: -74.929+/-46.810 χ^2/NDF:8.4/9

+ sign -123.261+/-40.967 χ^2/NDF: 27.9/27

All: -104.398+/-29.313 χ^2/NDF: 53.3/56

- sign -84.610+/-41.960 χ^2/NDF: 25.0/28

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

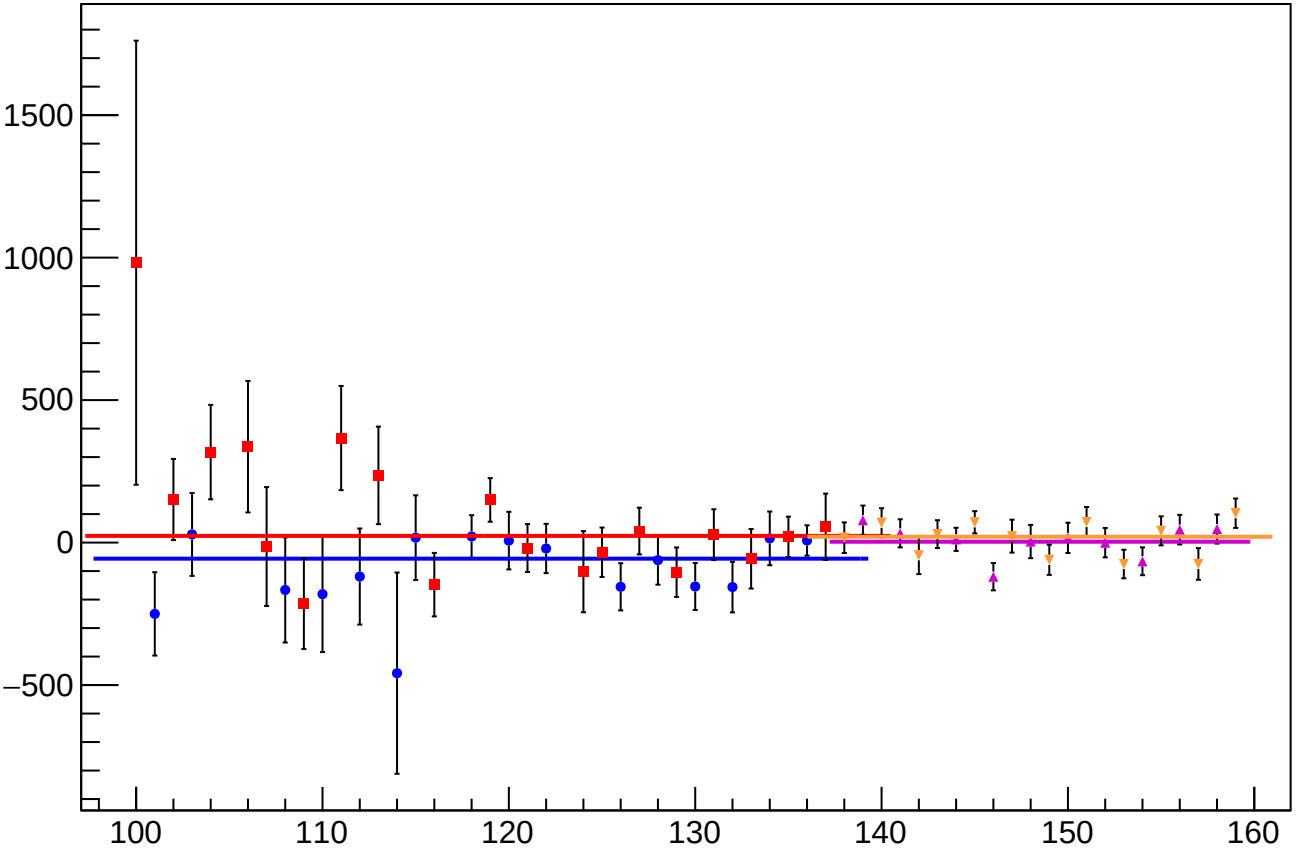
Left In: 133.381+/-0.033 χ^2/NDF:766113.5/9

+ sign 152.013+/-0.029 χ^2/NDF: 5791690.2/27

All: 151.493+/-0.021 χ^2/NDF: 11840040.7/56

- sign 150.946+/-0.030 χ^2/NDF: 6047688.9/28

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

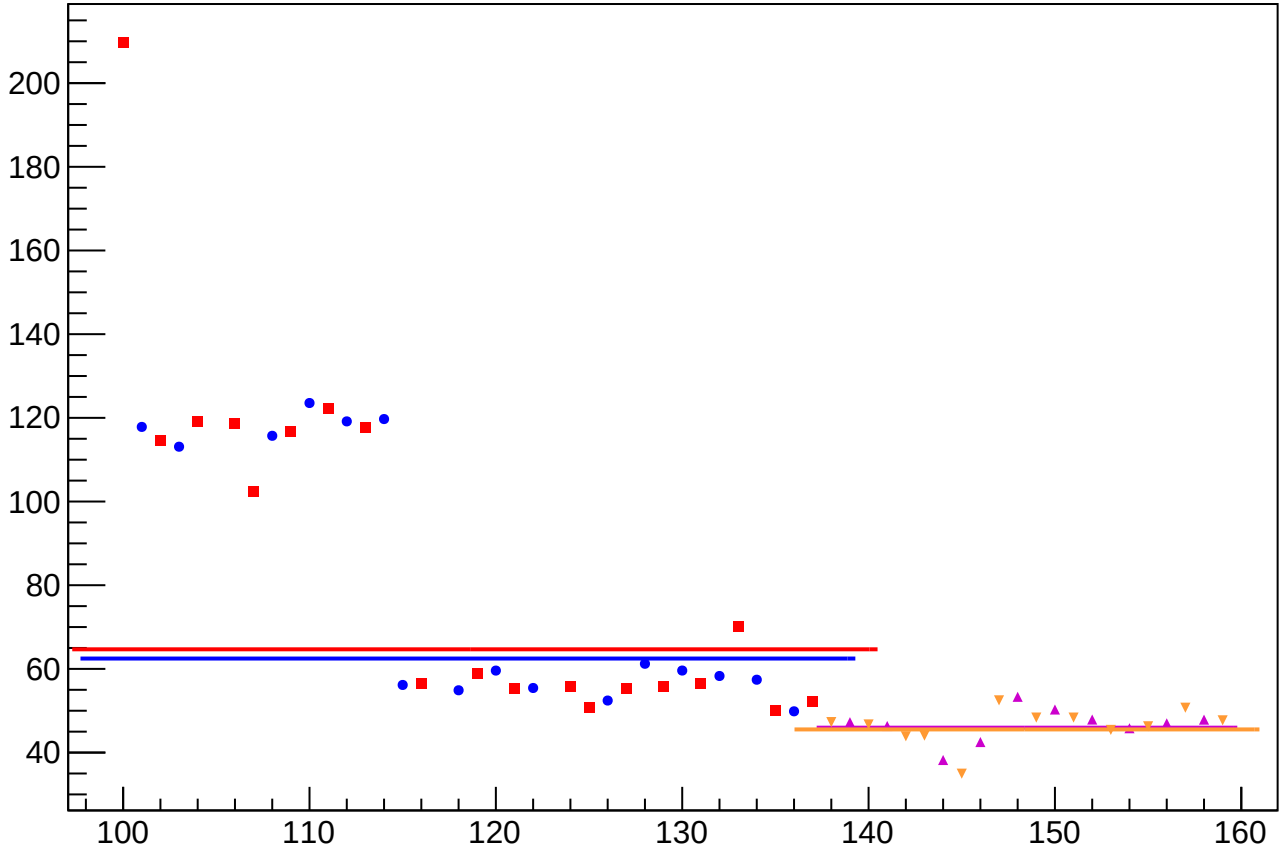
Left In: 2.986+/-15.748 χ^2/NDF:12.6/9

+ sign -0.162+/-12.696 χ^2/NDF: 35.7/27

All: 4.076+/-9.200 χ^2/NDF: 73.1/56

- sign 8.760+/-13.349 χ^2/NDF: 37.2/28

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

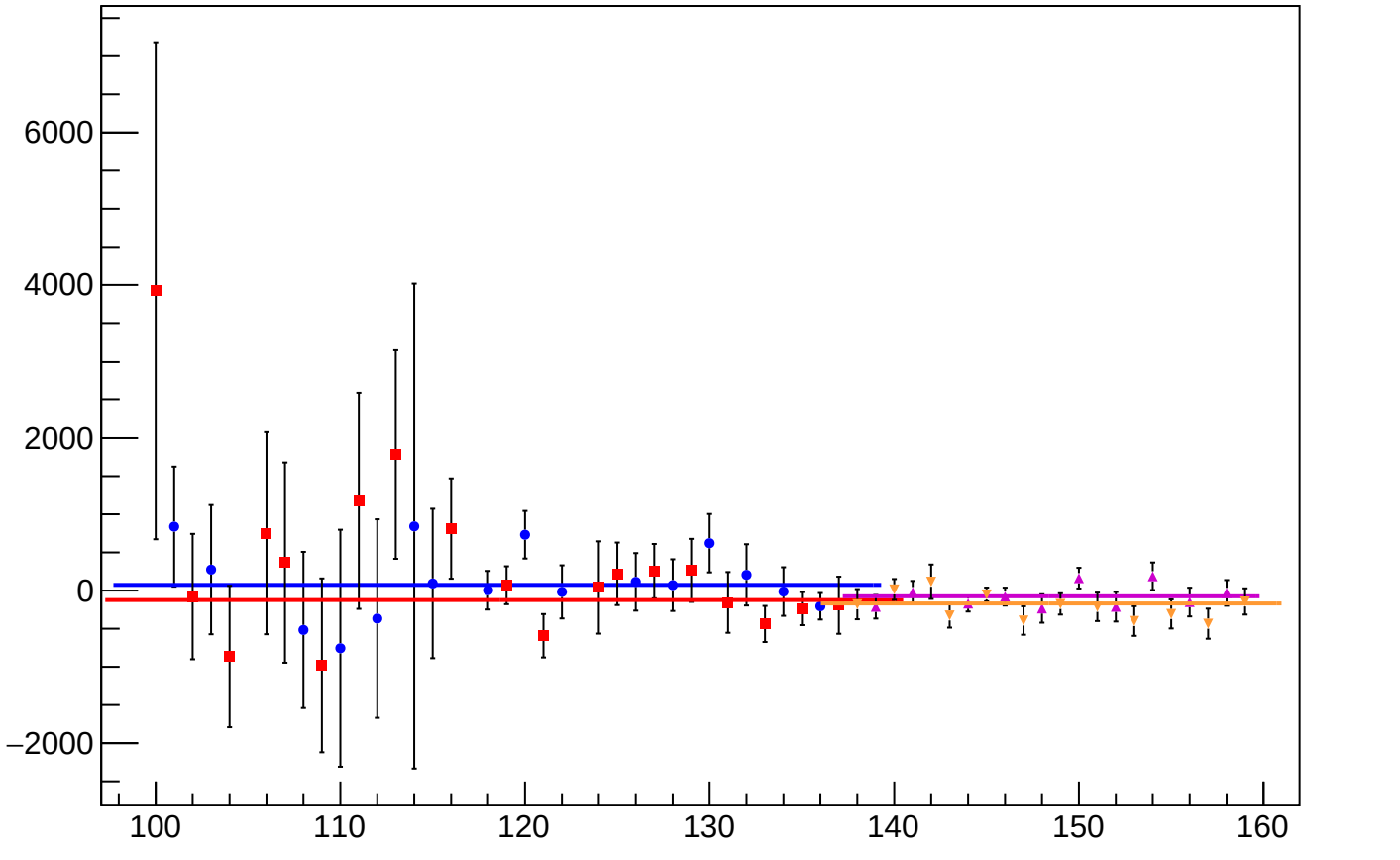
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.950+/-0.011 χ^2/NDF:135850.3/9

+ sign 50.086+/-0.009 χ^2/NDF: 2262872.0/27

All: 50.626+/-0.007 χ^2/NDF: 4793099.5/56

- sign 51.223+/-0.009 χ^2/NDF: 2522611.0/28



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -168.991+/-45.463 χ^2/NDF:11.3/11

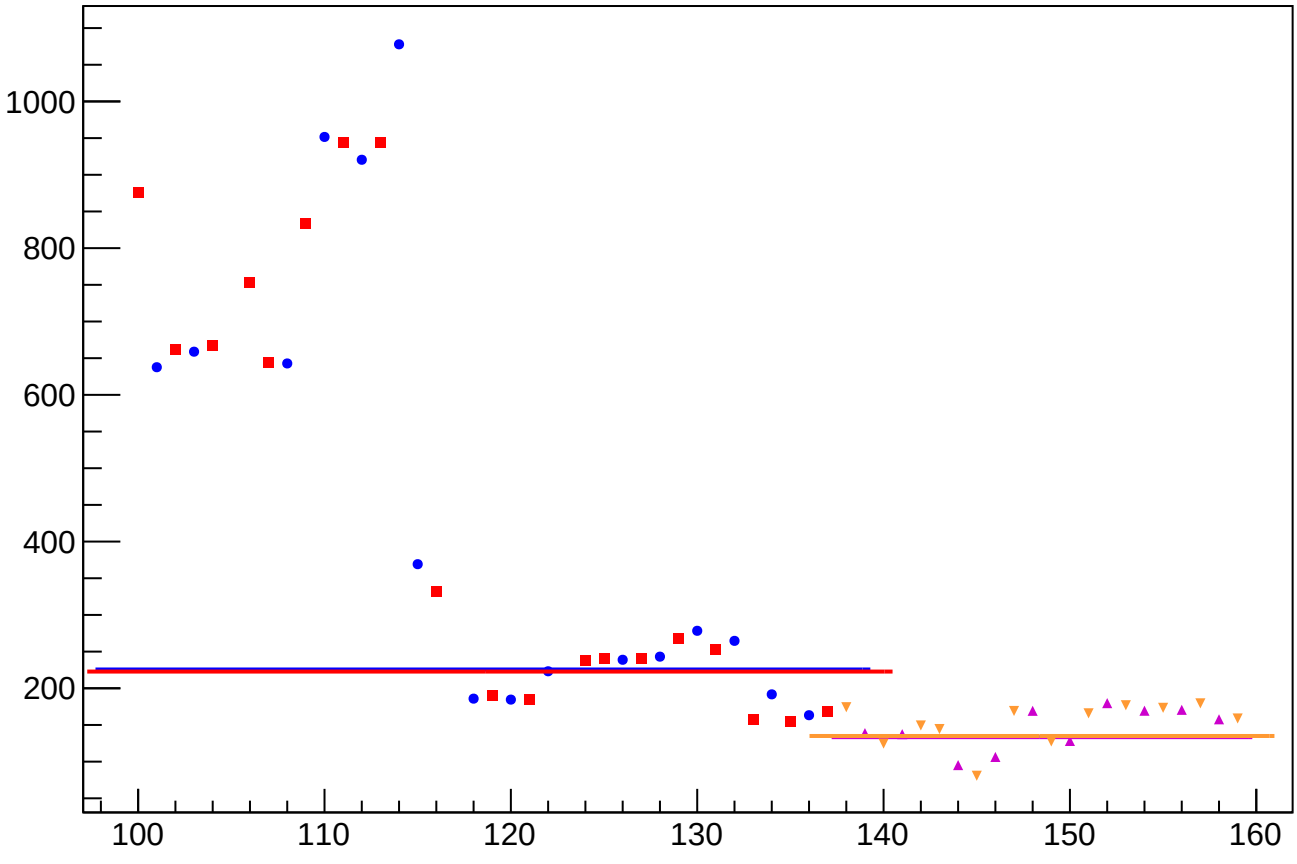
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -74.929+/-46.810 χ^2/NDF:8.4/9

+ sign -123.261+/-40.968 χ^2/NDF: 27.9/27

All: -104.398+/-29.313 χ^2/NDF: 53.3/56

- sign -84.609+/-41.961 χ^2/NDF: 25.0/28



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

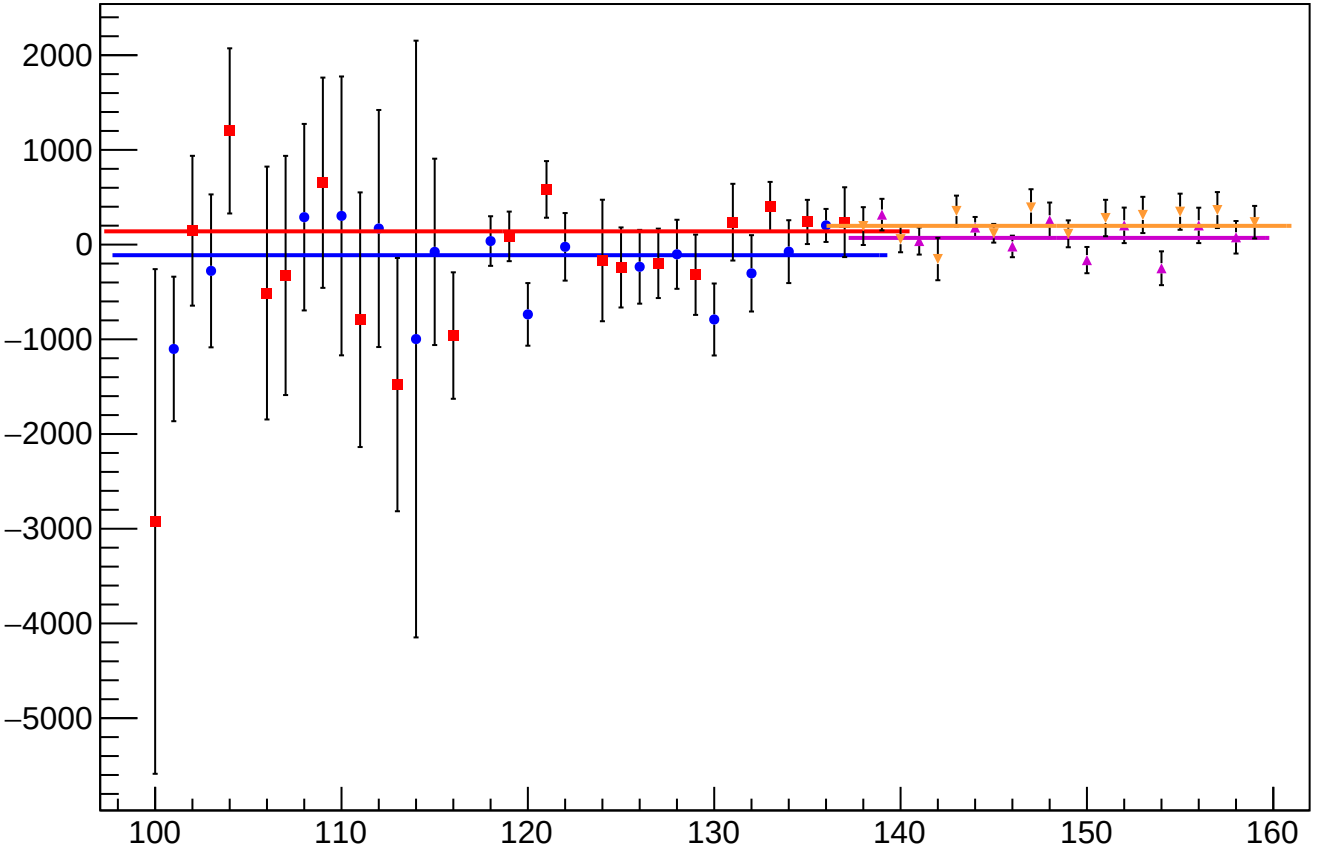
Left In: 133.381+/-0.033 χ^2/NDF:766109.9/9

+ sign 152.014+/-0.029 χ^2/NDF: 5791652.6/27

All: 151.493+/-0.021 χ^2/NDF: 11839985.4/56

- sign 150.947+/-0.030 χ^2/NDF: 6047671.0/28

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

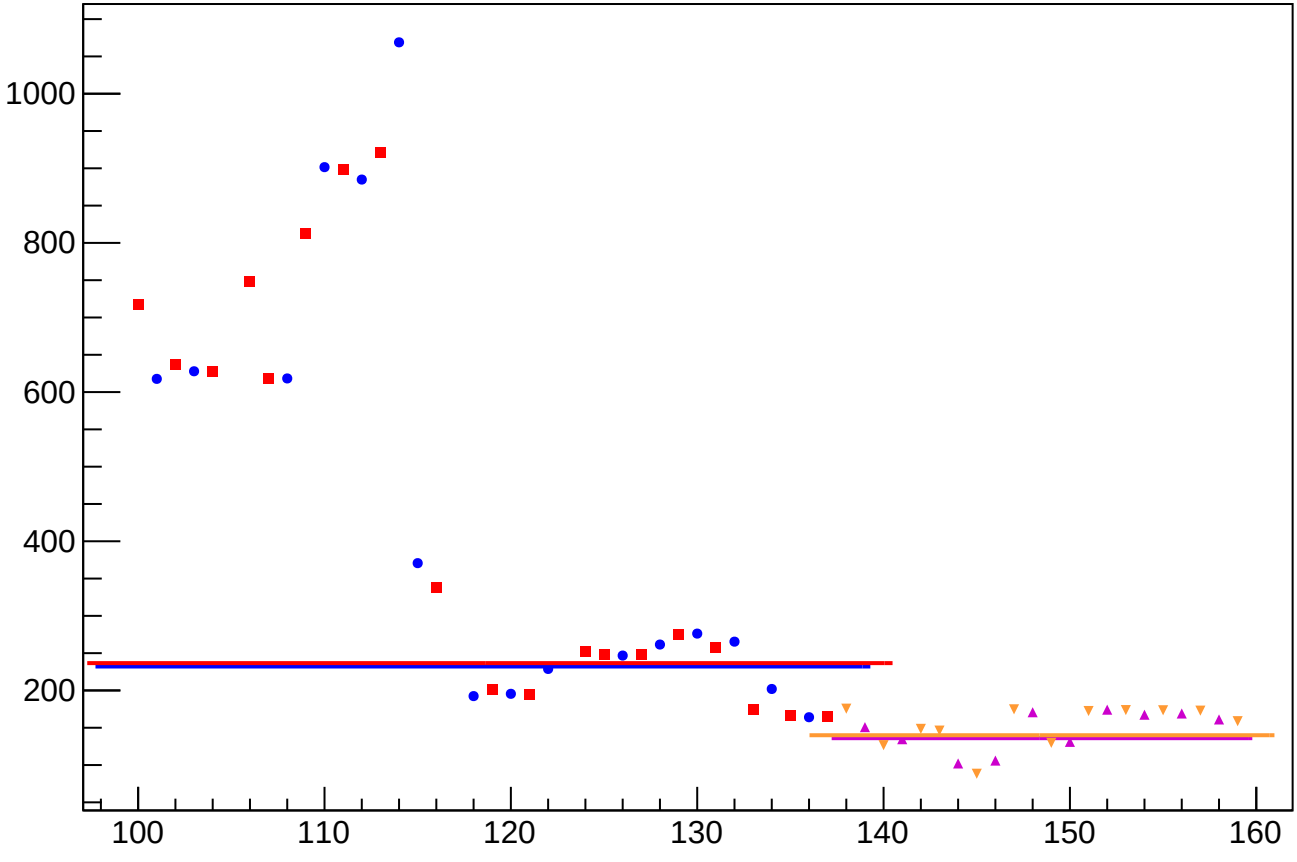
Left In: 70.674+/-47.364 χ^2/NDF:11.9/9

+ sign 139.176+/-42.064 χ^2/NDF: 29.6/27

All: 111.804+/-29.980 χ^2/NDF: 57.4/56

- sign 83.545+/-42.740 χ^2/NDF: 26.9/28

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

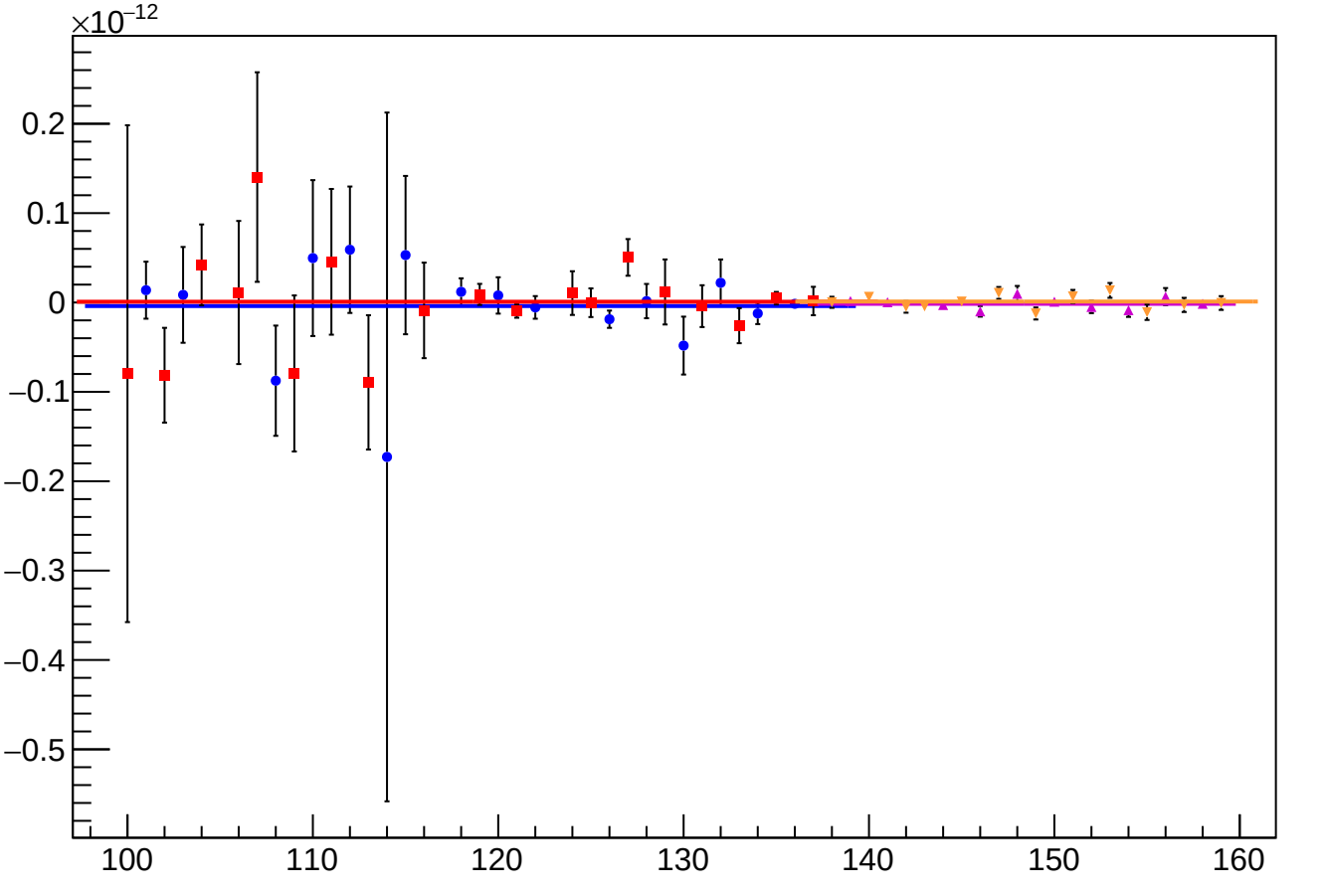
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 136.011+/-0.033 χ^2/NDF:662969.2/9

+ sign 157.452+/-0.030 χ^2/NDF: 5336521.8/27

All: 156.099+/-0.021 χ^2/NDF: 11201624.9/56

- sign 154.702+/-0.030 χ^2/NDF: 5860897.0/28



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

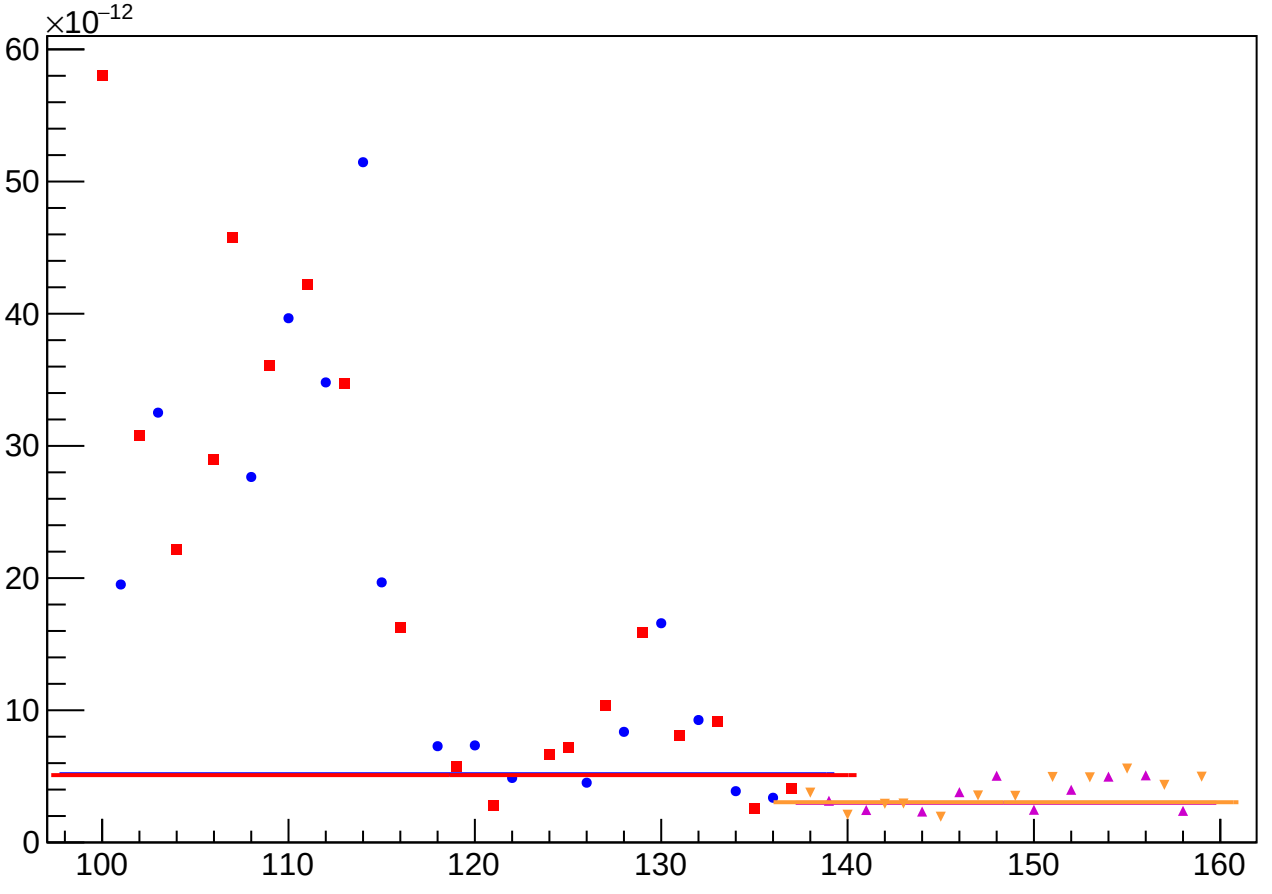
Left In: -0.000+/-0.000 χ^2/NDF:6.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/27

All: -0.000+/-0.000 χ^2/NDF: 53.4/56

- sign -0.000+/-0.000 χ^2/NDF: 24.8/28

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1025050.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

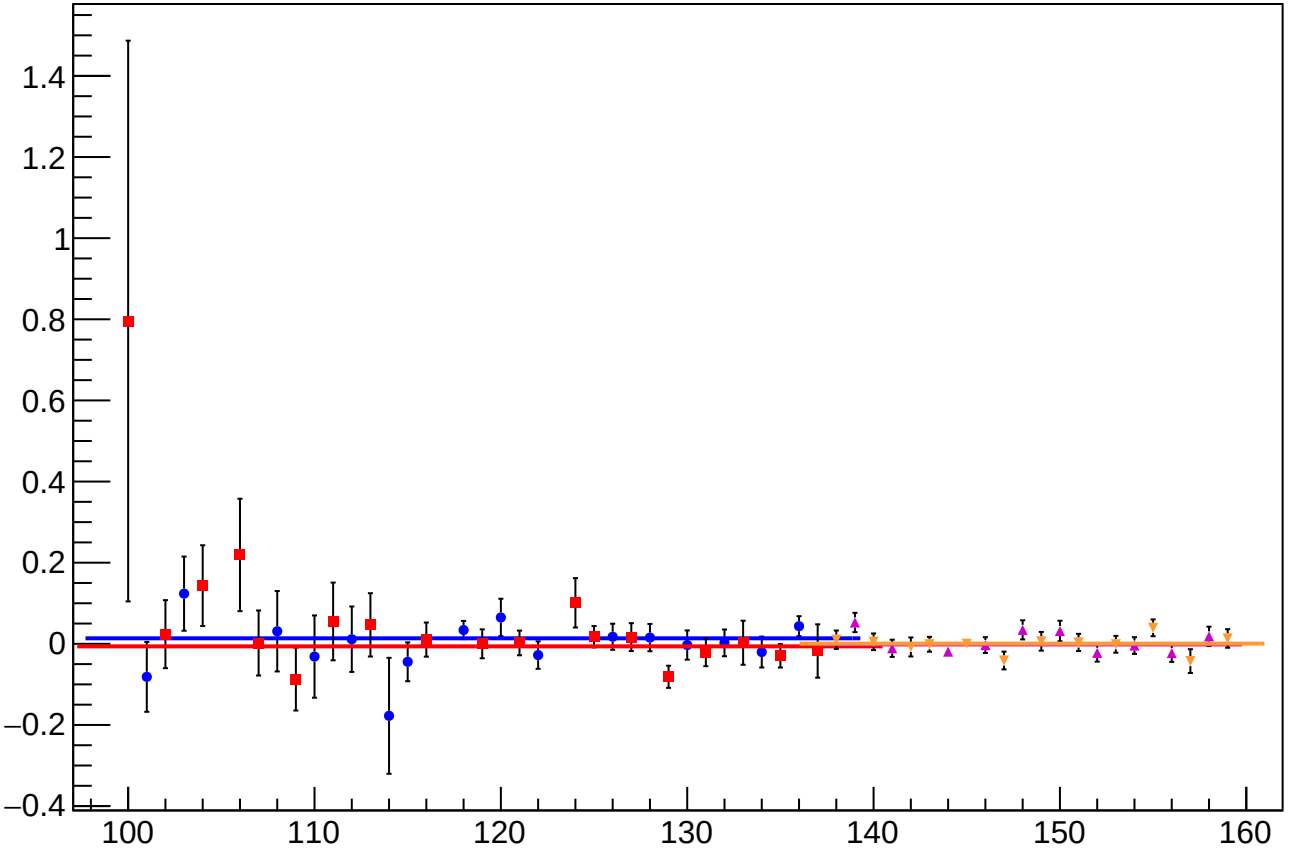
Left In: 0.000+/-0.000 χ^2/NDF:581337.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4203942.6/27

All: 0.000+/-0.000 χ^2/NDF: 8501340.1/56

- sign 0.000+/-0.000 χ^2/NDF: 4295485.0/28

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

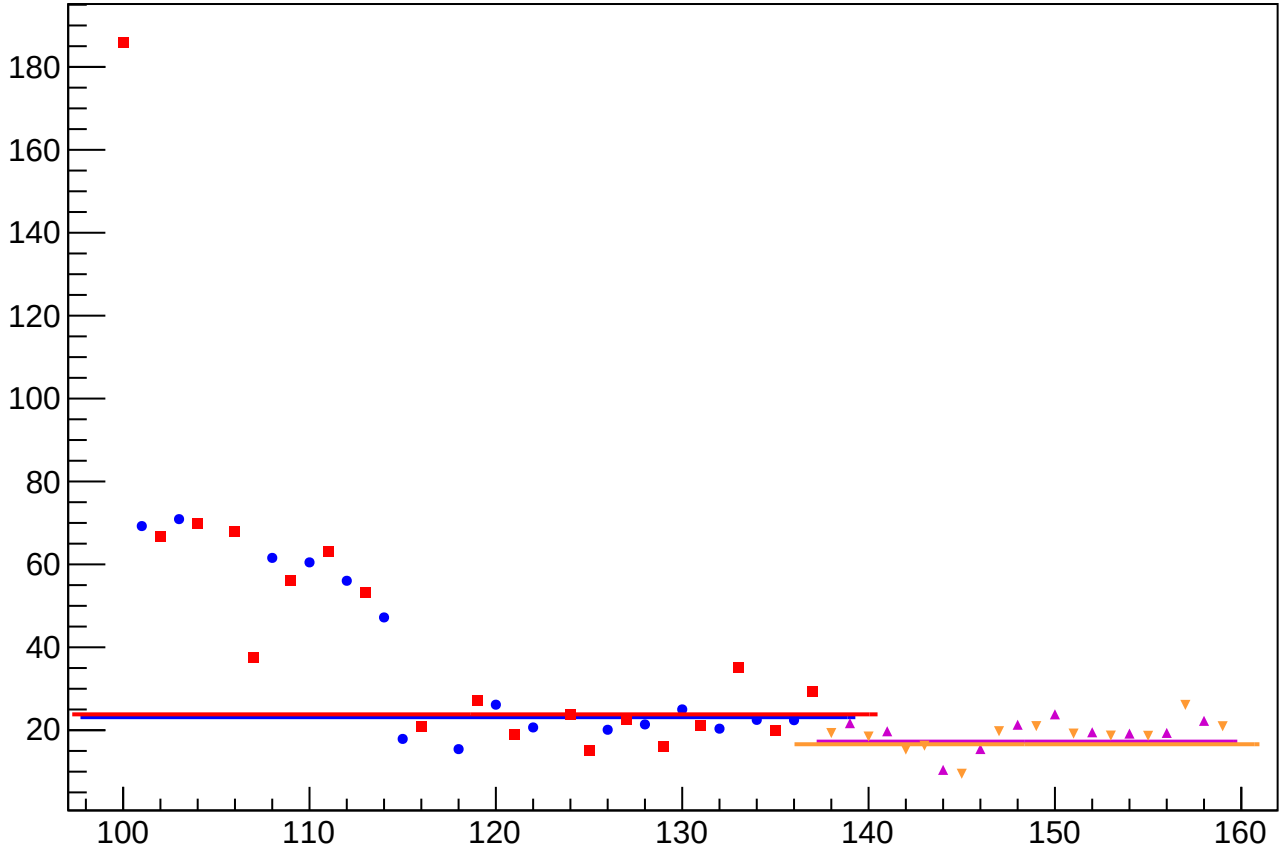
Left In: -0.002+/-0.006 χ^2/NDF:14.3/9

+ sign 0.004+/-0.005 χ^2/NDF: 23.7/27

All: 0.001+/-0.004 χ^2/NDF: 60.4/56

- sign -0.003+/-0.005 χ^2/NDF: 35.9/28

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

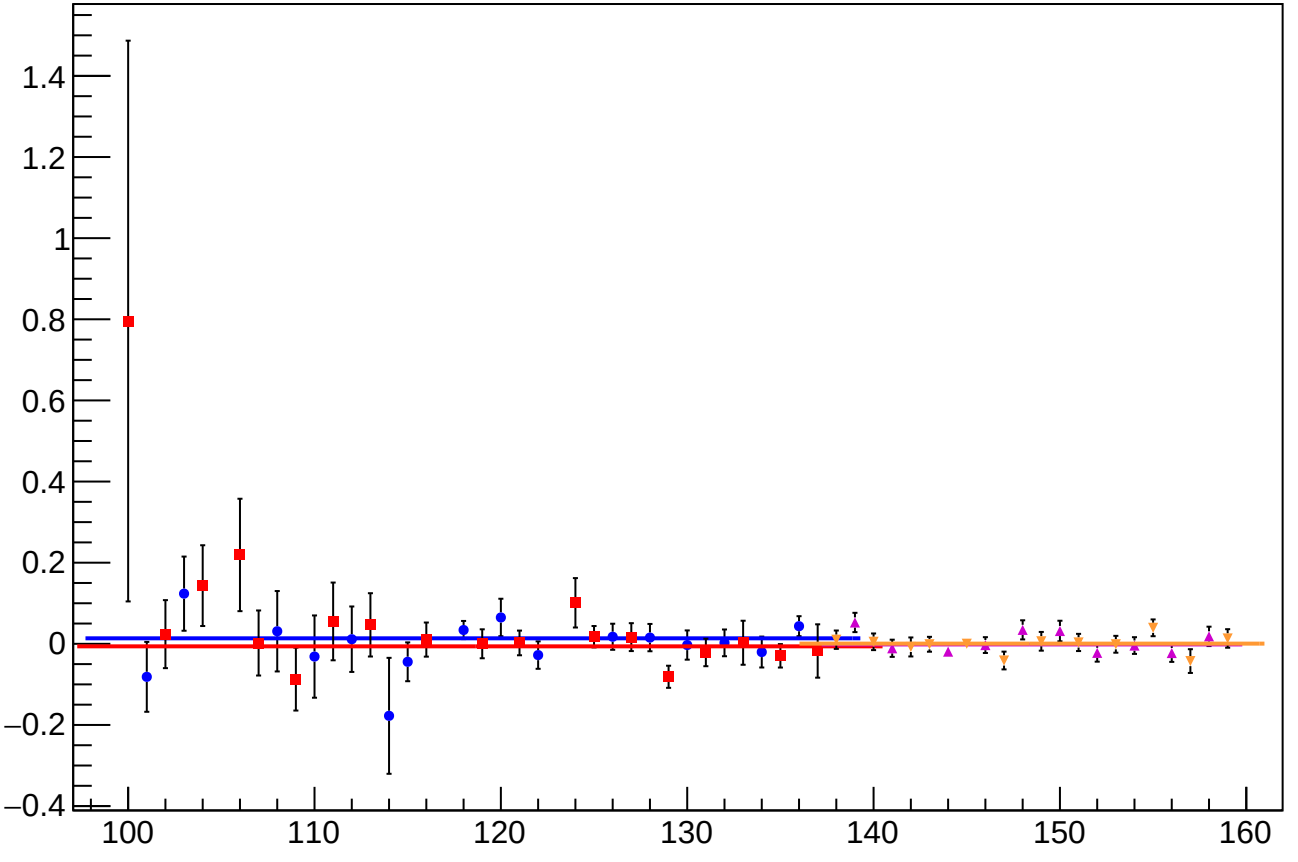
Left In: 17.244+/-0.004 χ^2/NDF:1123659.4/9

\+ sign 18.249+/-0.003 χ^2/NDF: 4375795.5/27

All: 18.633+/-0.003 χ^2/NDF: 9040793.9/56

\- sign 19.080+/-0.004 χ^2/NDF: 4638734.8/28

asym_sam_37_26_dd_dit_vs_eigen_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

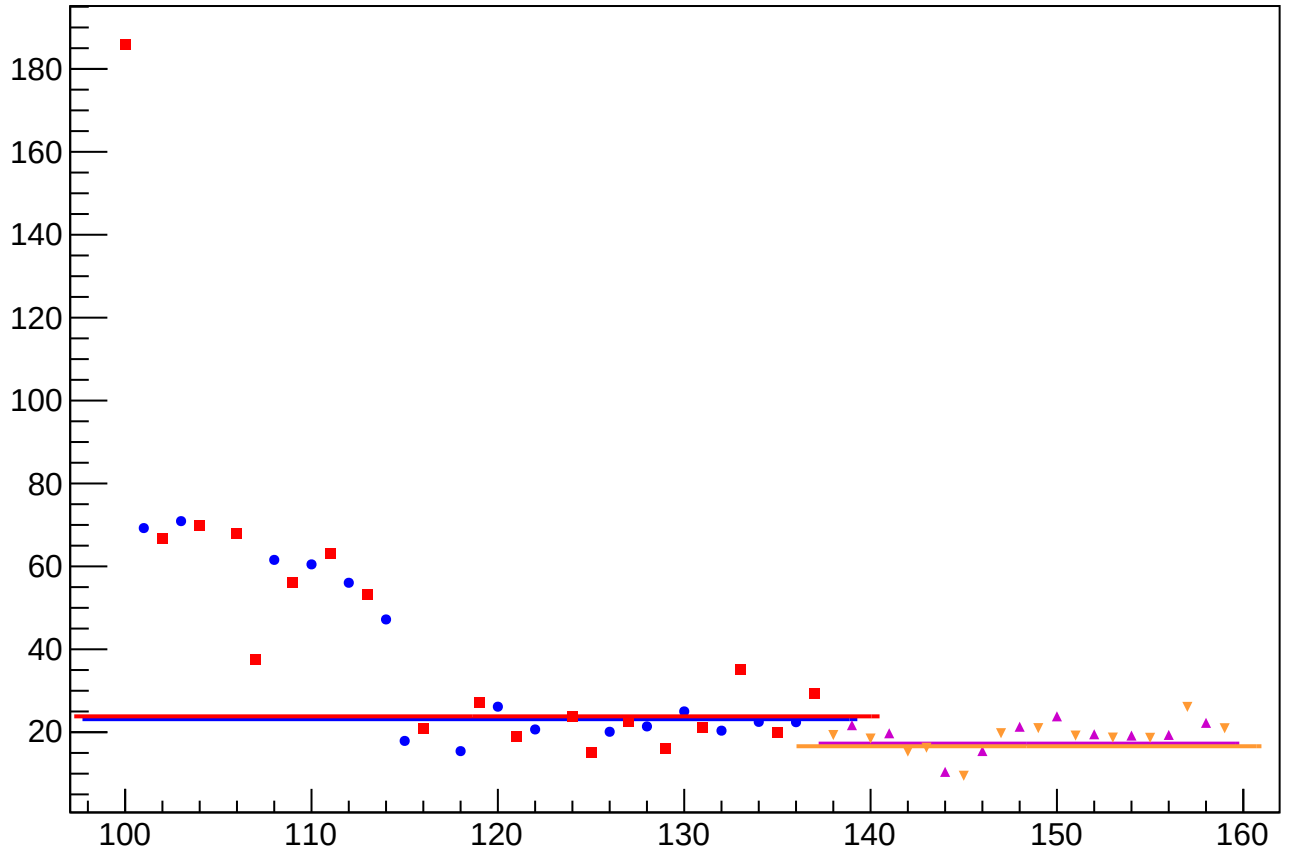
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.3/9

+ sign 0.004+/-0.005 χ^2/NDF: 23.7/27

All: 0.001+/-0.004 χ^2/NDF: 60.4/56

- sign -0.003+/-0.005 χ^2/NDF: 35.9/28



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.614+/-0.004 χ^2/NDF:1309738.7/11

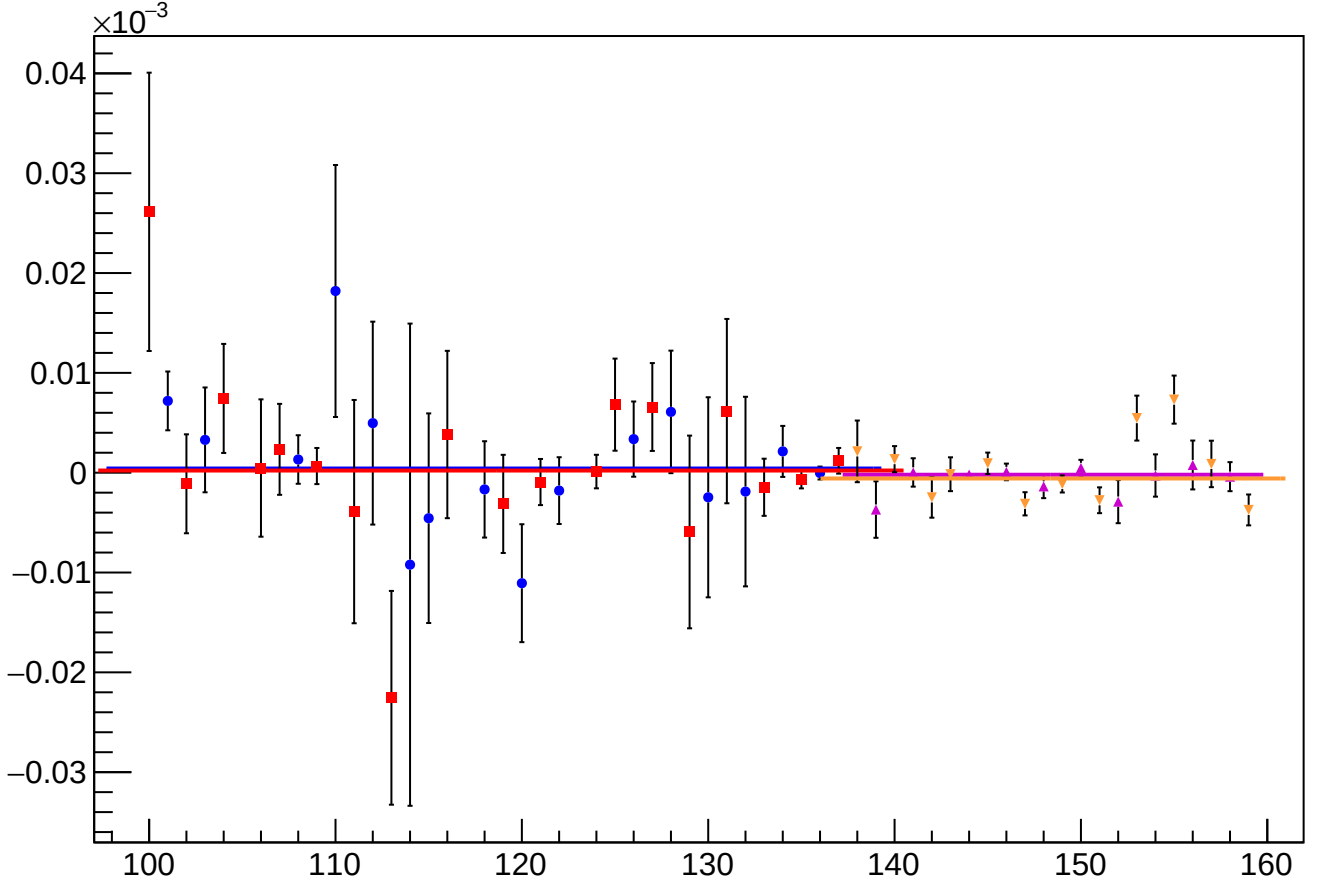
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.244+/-0.004 χ^2/NDF:1123659.4/9

+ sign 18.249+/-0.003 χ^2/NDF: 4375795.5/27

All: 18.633+/-0.003 χ^2/NDF: 9040793.9/56

- sign 19.080+/-0.004 χ^2/NDF: 4638734.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.5/11

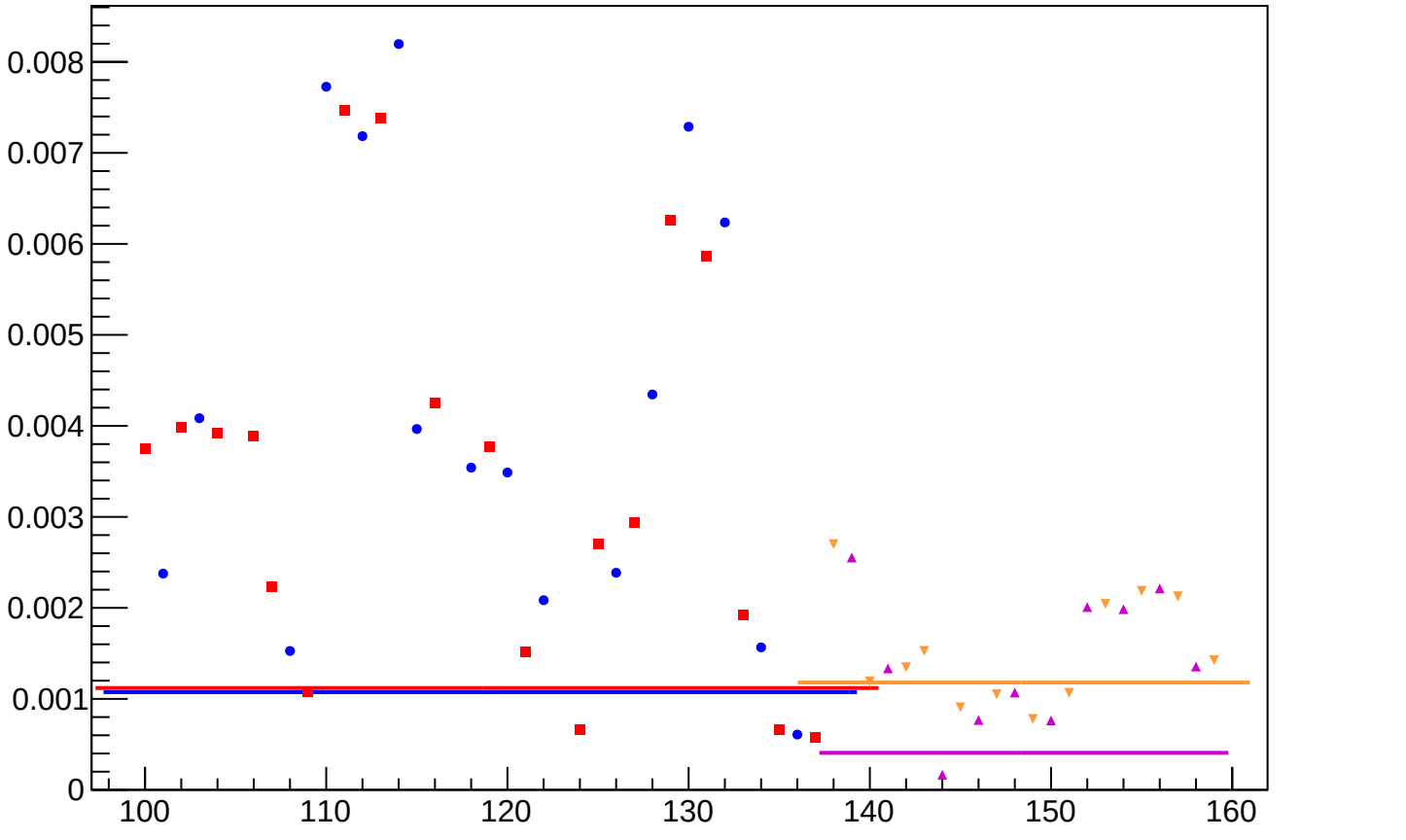
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/9

+ sign -0.000+/-0.000 χ^2/NDF: 53.8/27

All: -0.000+/-0.000 χ^2/NDF: 77.3/56

- sign -0.000+/-0.000 χ^2/NDF: 23.5/28



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:2219270.6/11

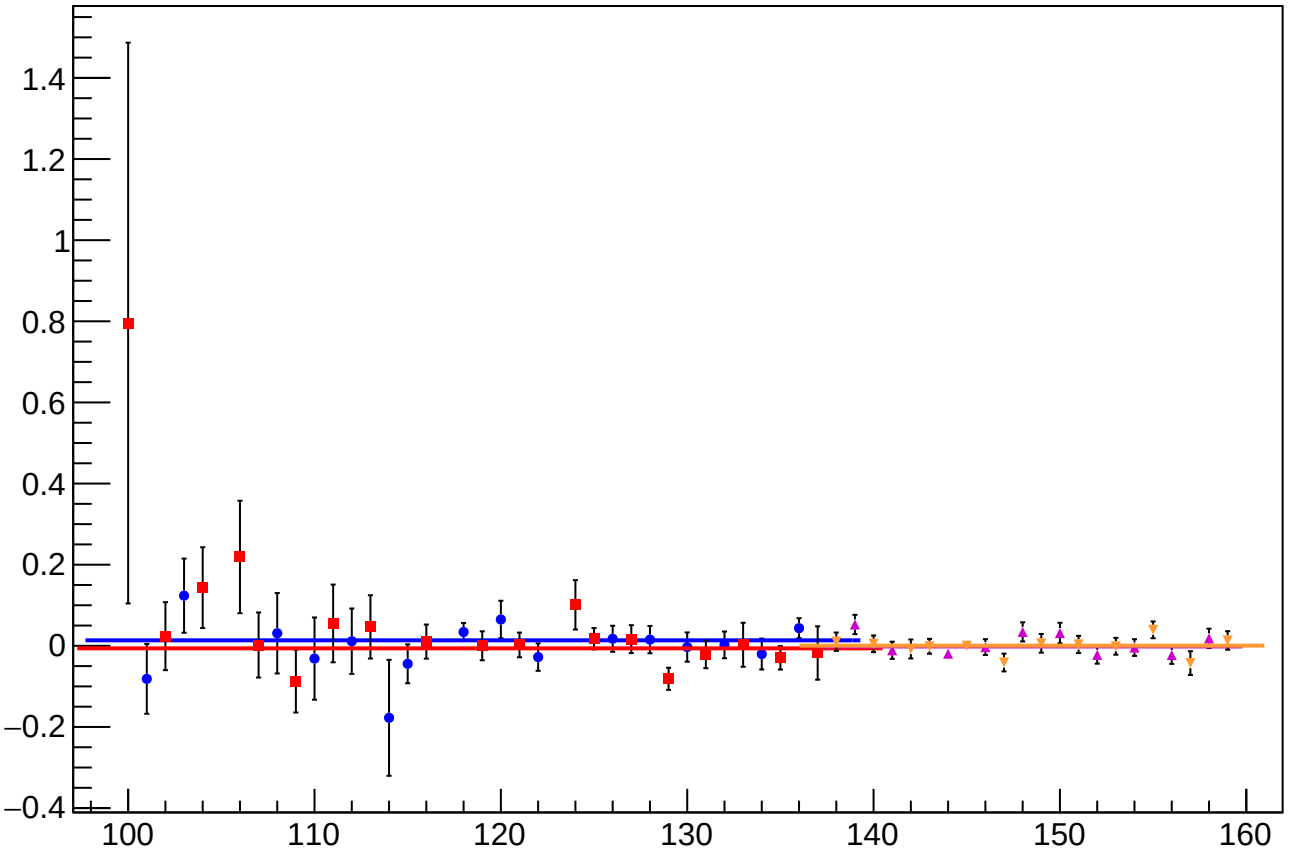
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9335424.4/9

+ sign 0.001+/-0.000 χ^2/NDF: 9310907.3/27

All: 0.001+/-0.000 χ^2/NDF: 33604100.5/56

- sign 0.000+/-0.000 χ^2/NDF: 18867050.1/28



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.006 χ^2/NDF:10.1/11

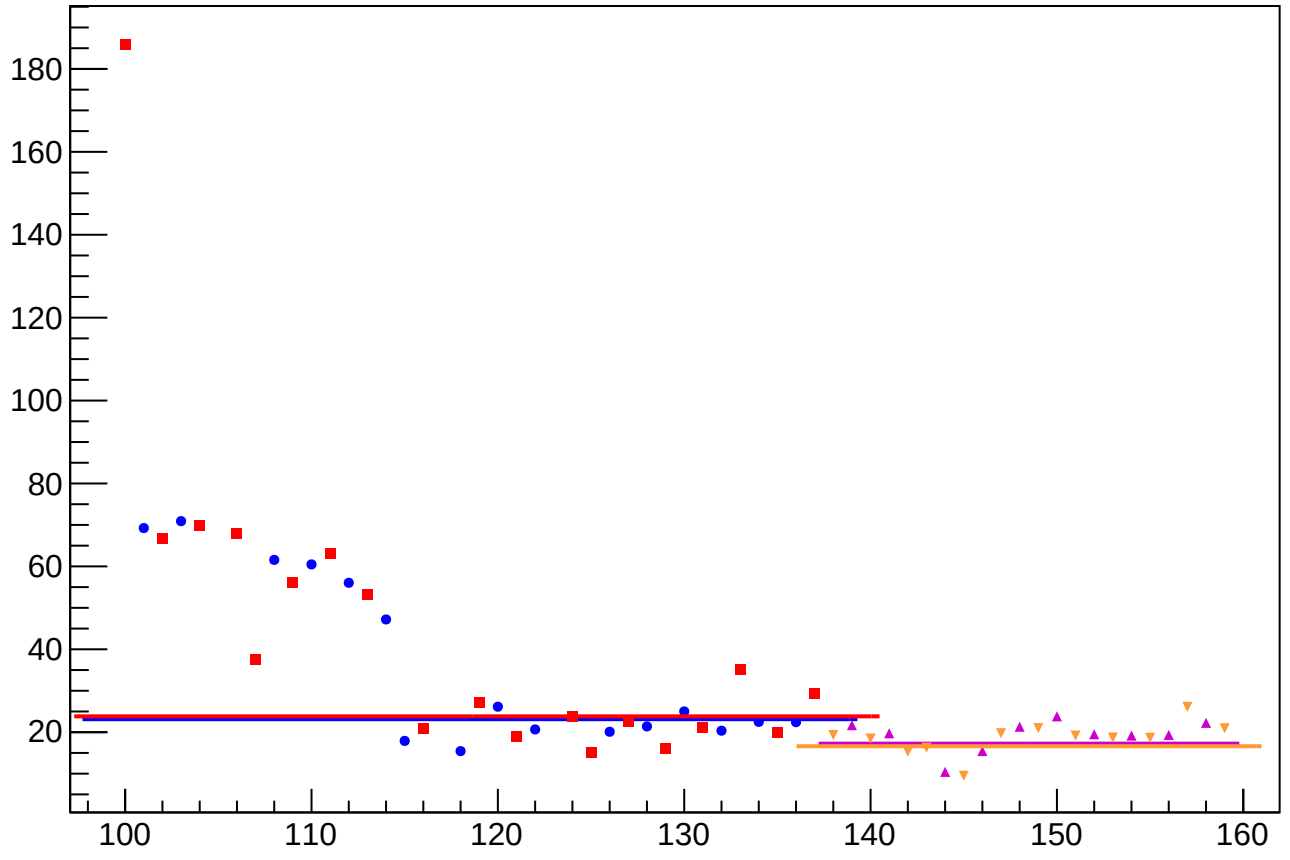
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.3/9

+ sign 0.004+/-0.005 χ^2/NDF: 23.7/27

All: 0.001+/-0.004 χ^2/NDF: 60.4/56

- sign -0.003+/-0.005 χ^2/NDF: 35.9/28



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.614+/-0.004 χ^2/NDF:1309846.7/11

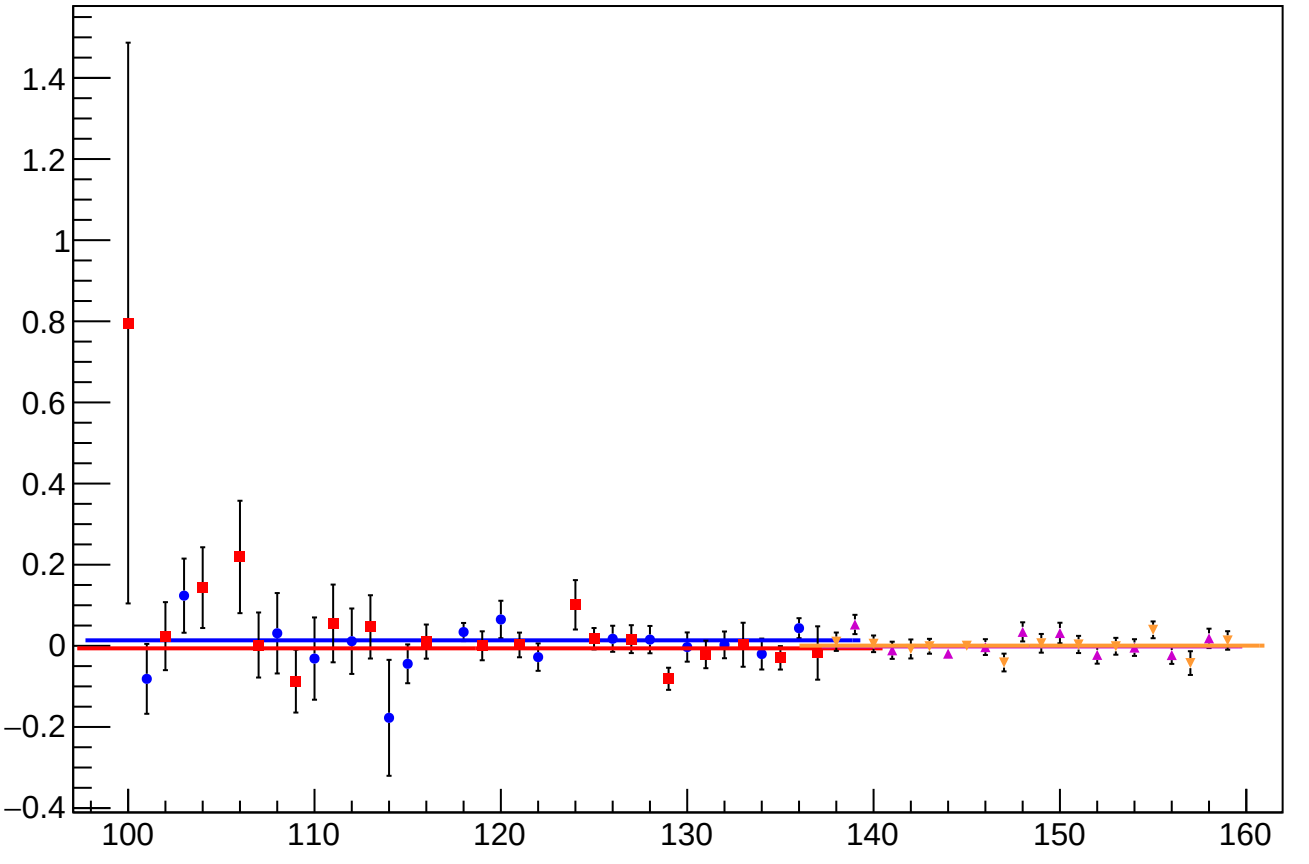
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.244+/-0.004 χ^2/NDF:1123632.6/9

\+ sign 18.249+/-0.003 χ^2/NDF: 4375692.4/27

All: 18.633+/-0.003 χ^2/NDF: 9040494.2/56

\- sign 19.080+/-0.004 χ^2/NDF: 4638528.0/28



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.006 χ^2/NDF:10.1/11

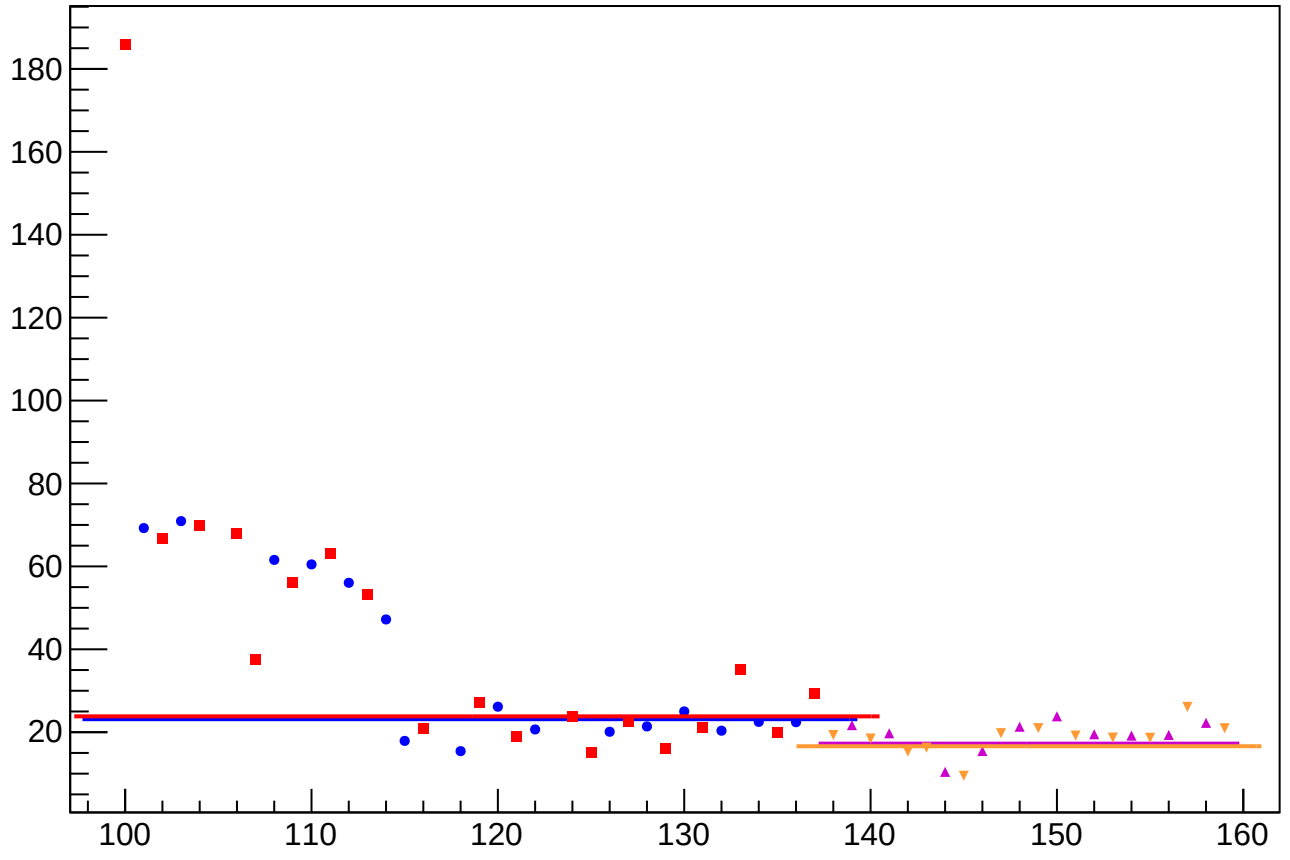
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.3/9

+ sign 0.004+/-0.005 χ^2/NDF: 23.7/27

All: 0.001+/-0.004 χ^2/NDF: 60.4/56

- sign -0.003+/-0.005 χ^2/NDF: 35.9/28



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.614+/-0.004 χ^2/NDF:1309846.7/11

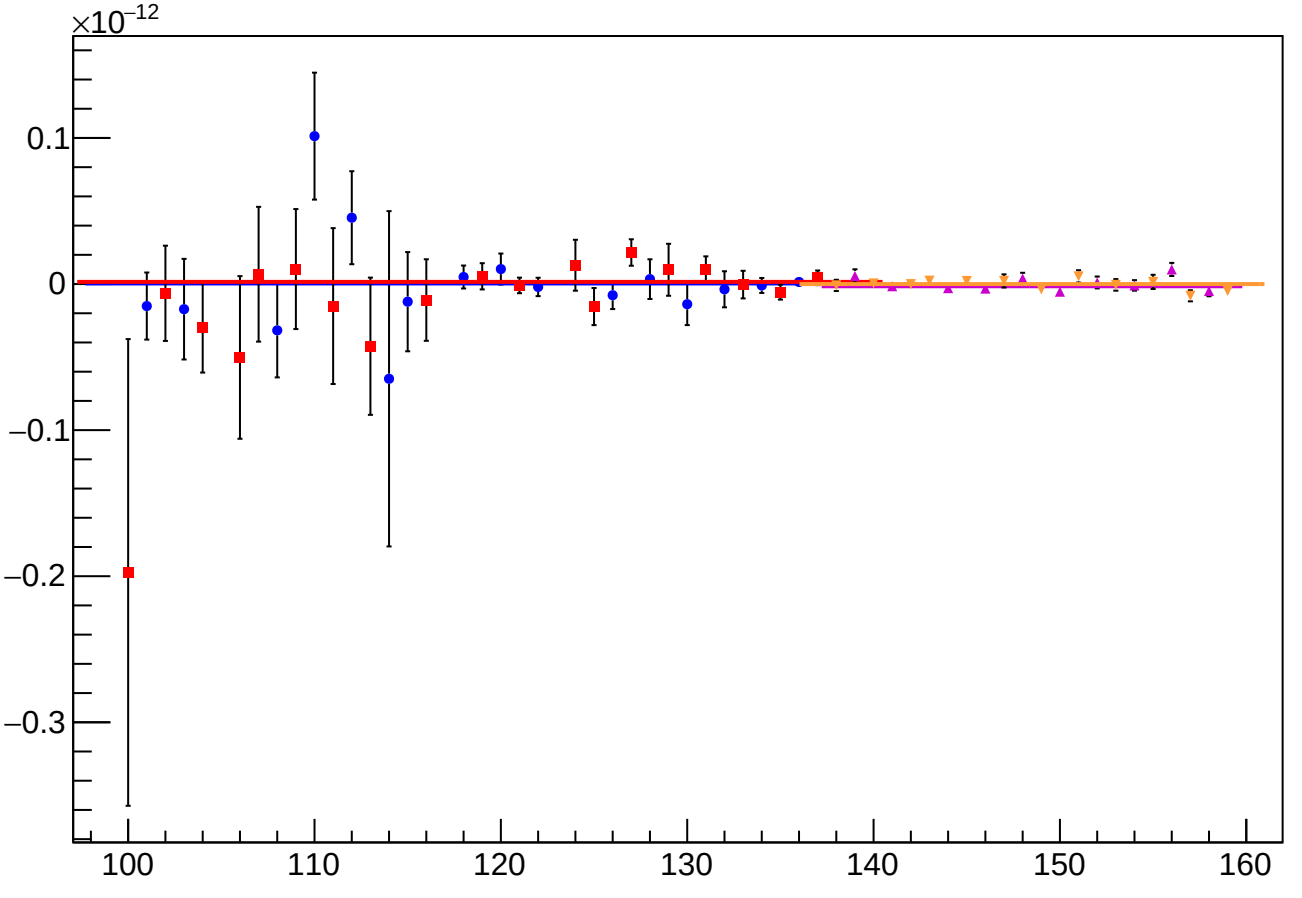
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.244+/-0.004 χ^2/NDF:1123632.6/9

\+ sign 18.249+/-0.003 χ^2/NDF: 4375692.4/27

All: 18.633+/-0.003 χ^2/NDF: 9040494.2/56

\- sign 19.080+/-0.004 χ^2/NDF: 4638528.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/11

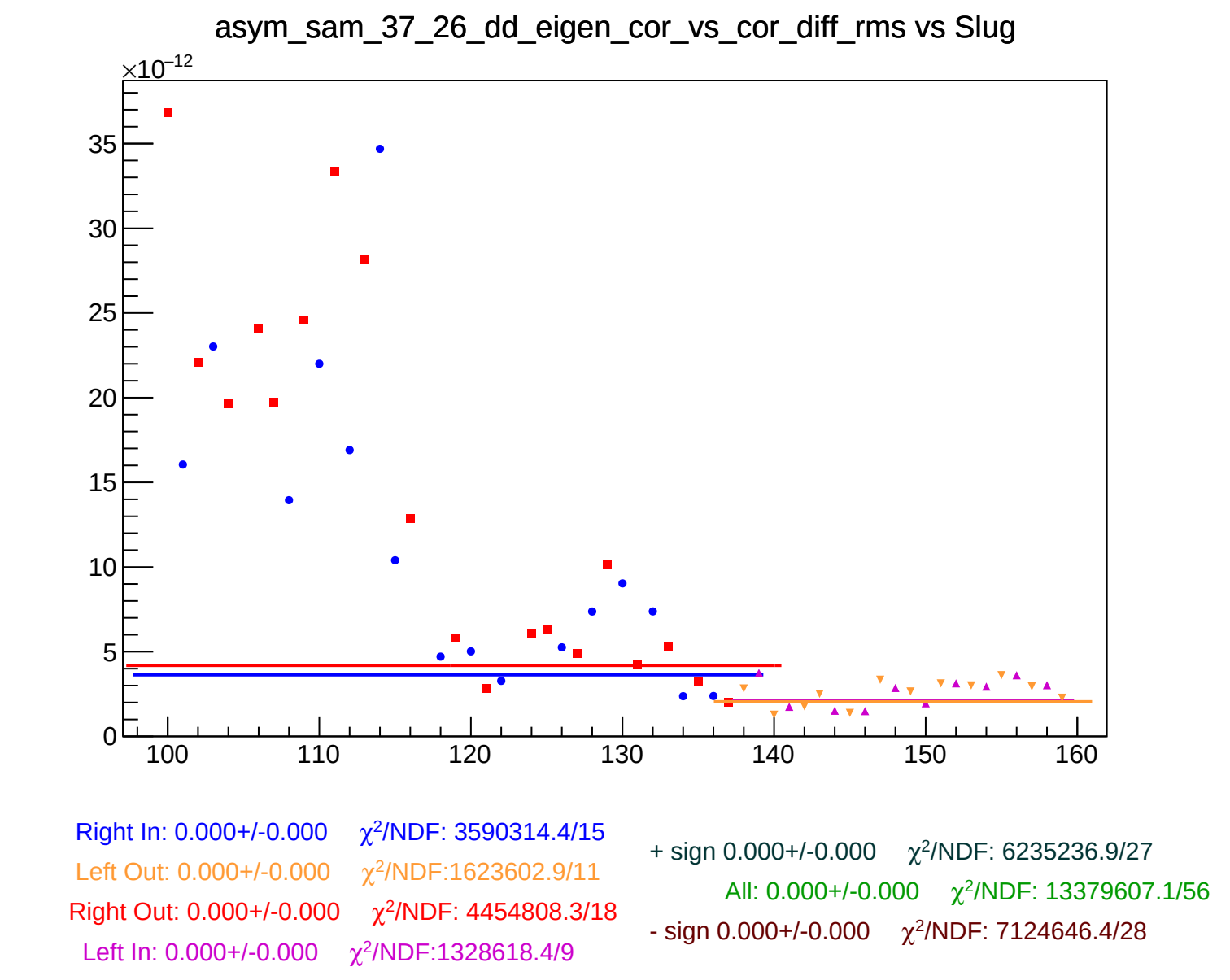
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/9

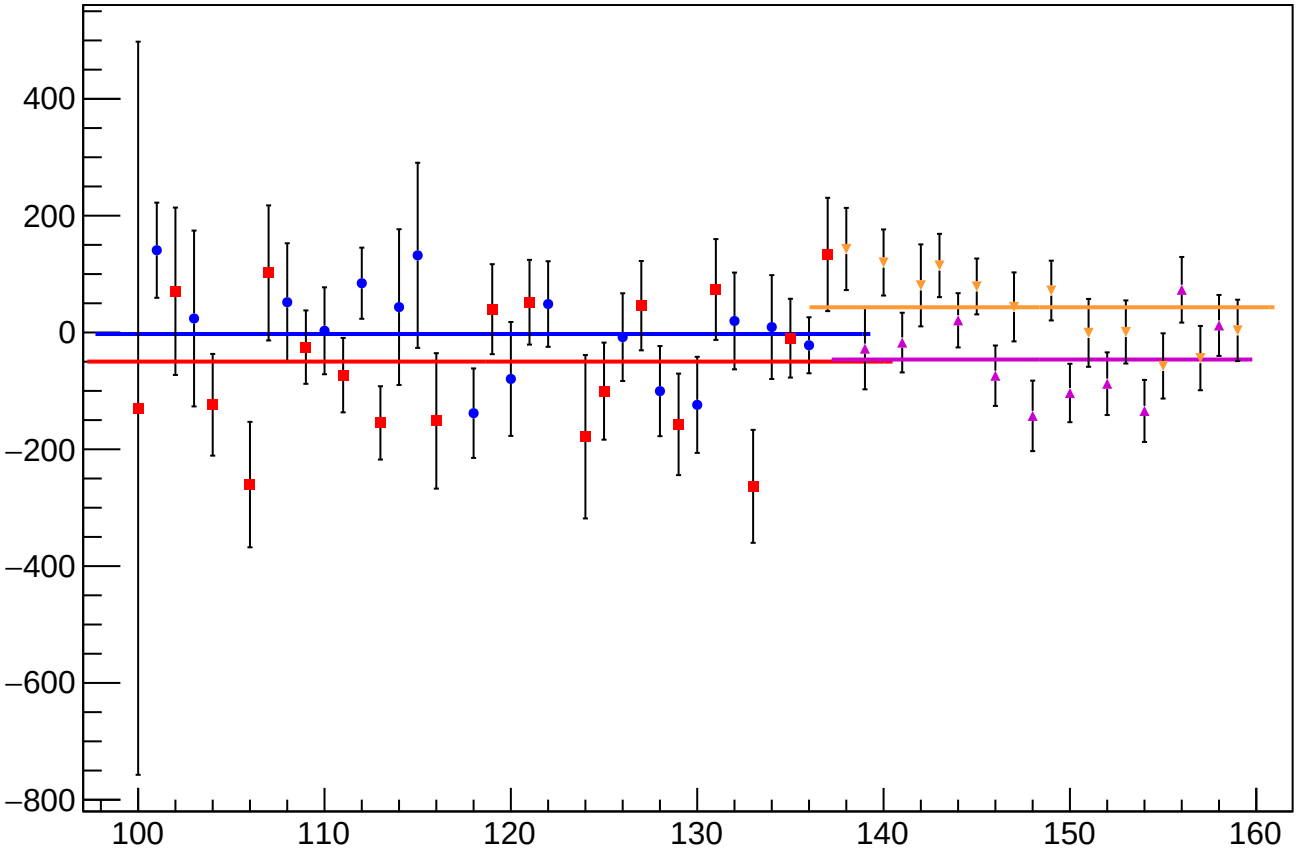
+ sign 0.000+/-0.000 χ^2/NDF: 24.9/27

All: -0.000+/-0.000 χ^2/NDF: 57.8/56

- sign -0.000+/-0.000 χ^2/NDF: 31.9/28


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
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:1328618.4/9
+ sign 0.000+/-0.000 χ²/NDF: 6235236.9/27
All: 0.000+/-0.000 χ²/NDF: 13379607.1/56
- sign 0.000+/-0.000 χ²/NDF: 7124646.4/28

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

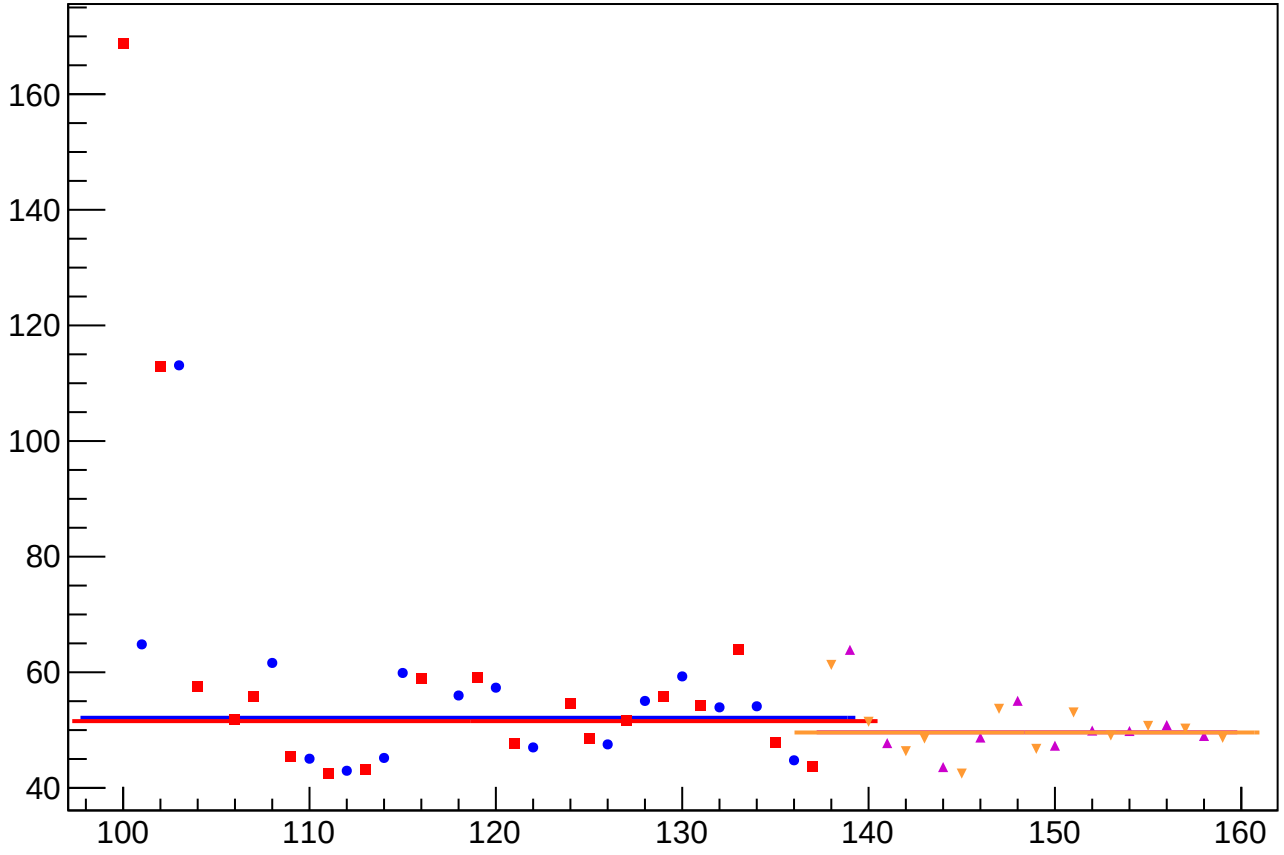
Left In: -46.289+/-16.936 χ^2/NDF:15.7/9

+ sign 25.052+/-12.583 χ^2/NDF: 32.0/27

All: -10.688+/-8.980 χ^2/NDF: 93.5/56

- sign -47.792+/-12.820 χ^2/NDF: 45.1/28

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

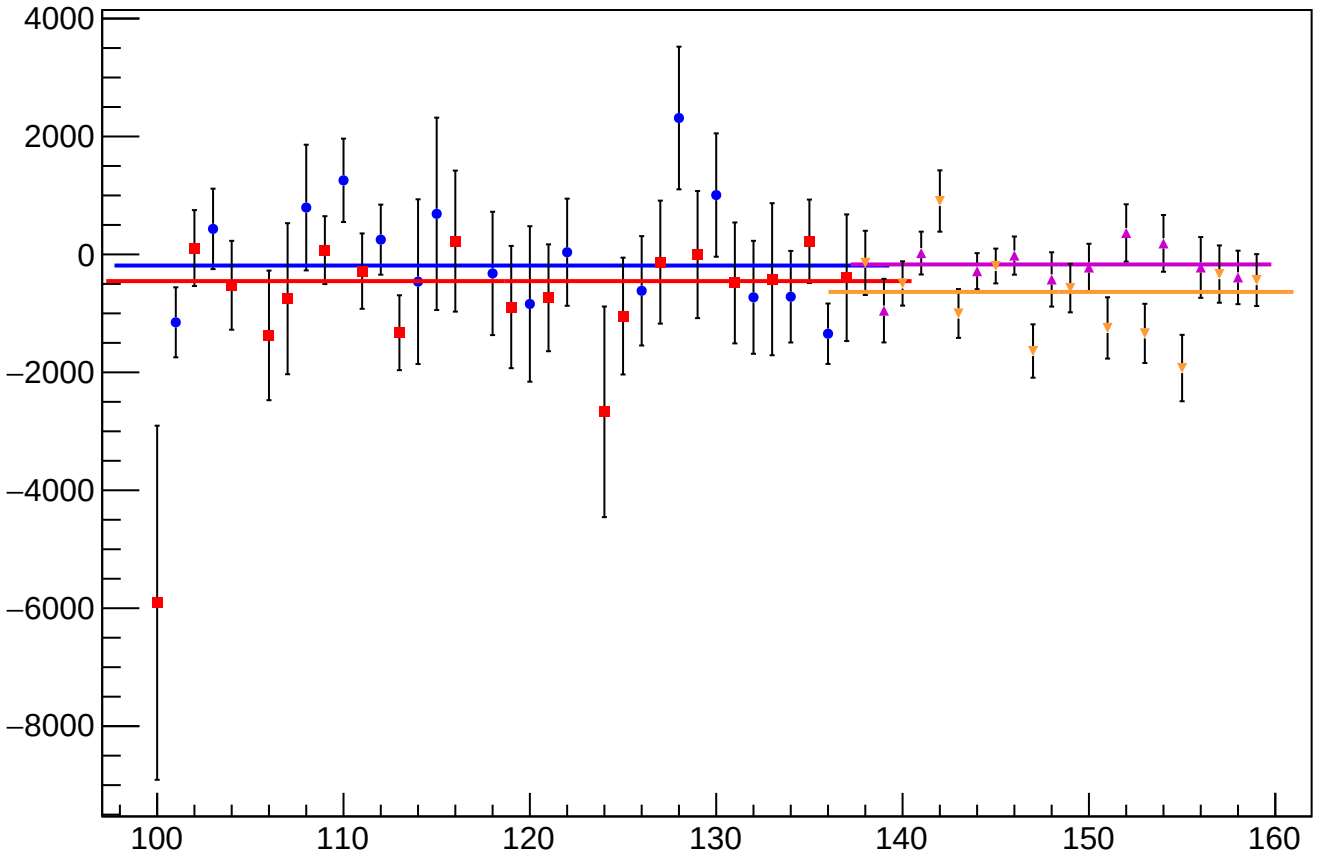
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.9/9

+ sign 50.592+/-0.009 χ^2/NDF: 713818.6/27

All: 50.521+/-0.006 χ^2/NDF: 1507207.7/56

- sign 50.447+/-0.009 χ^2/NDF: 793257.4/28



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -636.018+/-126.455 χ^2/NDF:26.9/11

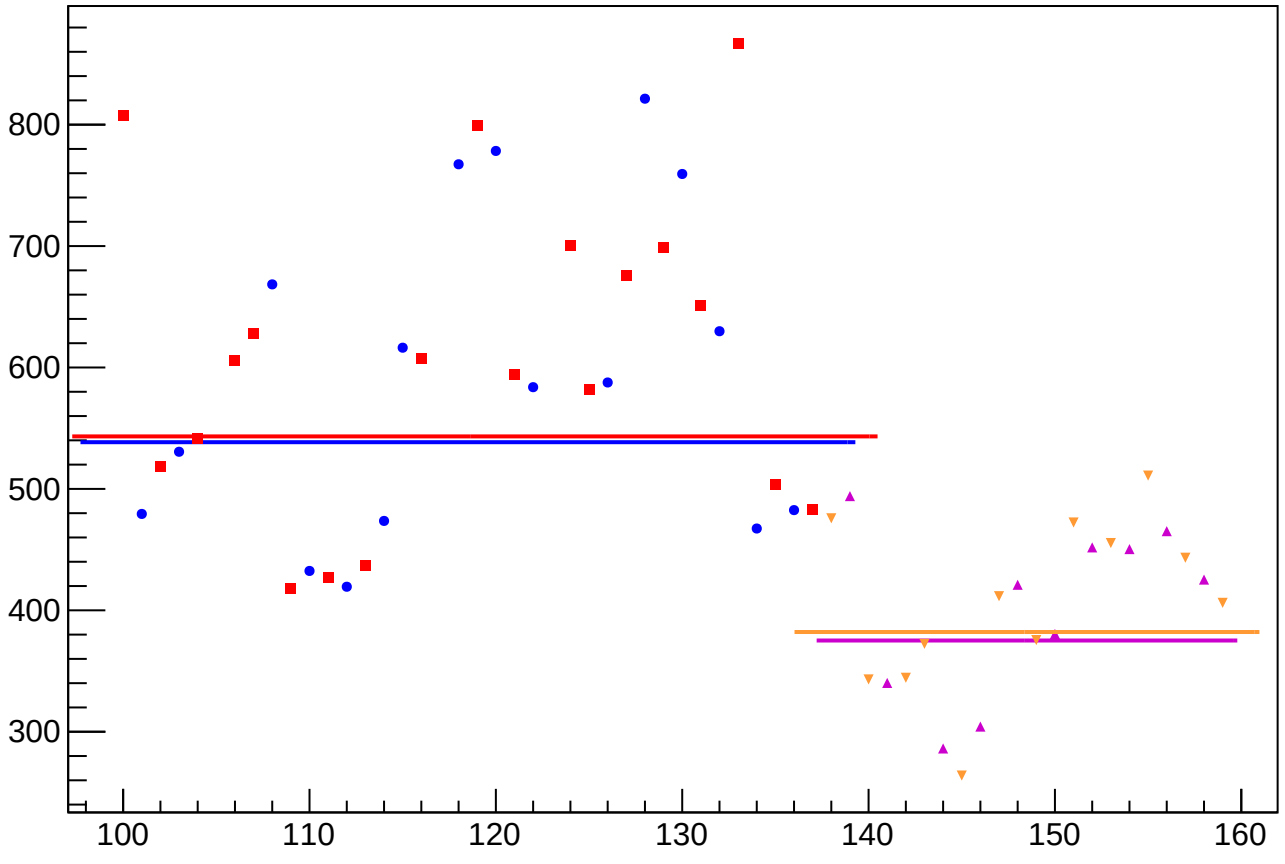
Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: -169.994+/-129.810 χ^2/NDF:5.1/9

+ sign -513.391+/-107.742 χ^2/NDF: 51.7/27

All: -384.557+/-76.801 χ^2/NDF: 72.3/56

- sign -251.473+/-109.505 χ^2/NDF: 17.7/28



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

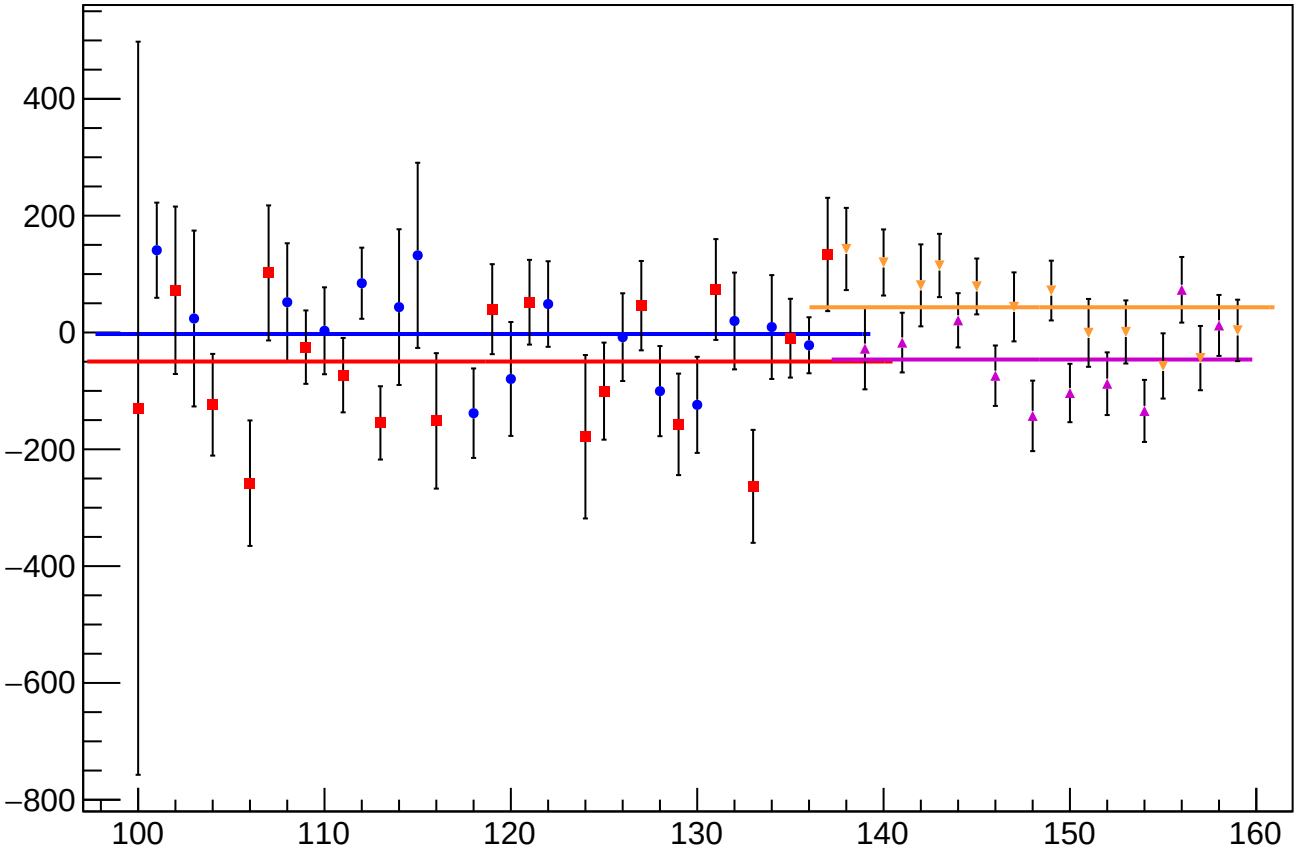
Left In: 375.136+/-0.092 χ^2/NDF:585449.4/9

+ sign 424.986+/-0.076 χ^2/NDF: 2119691.4/27

All: 424.311+/-0.054 χ^2/NDF: 4309657.6/56

- sign 423.614+/-0.077 χ^2/NDF: 2189806.6/28

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

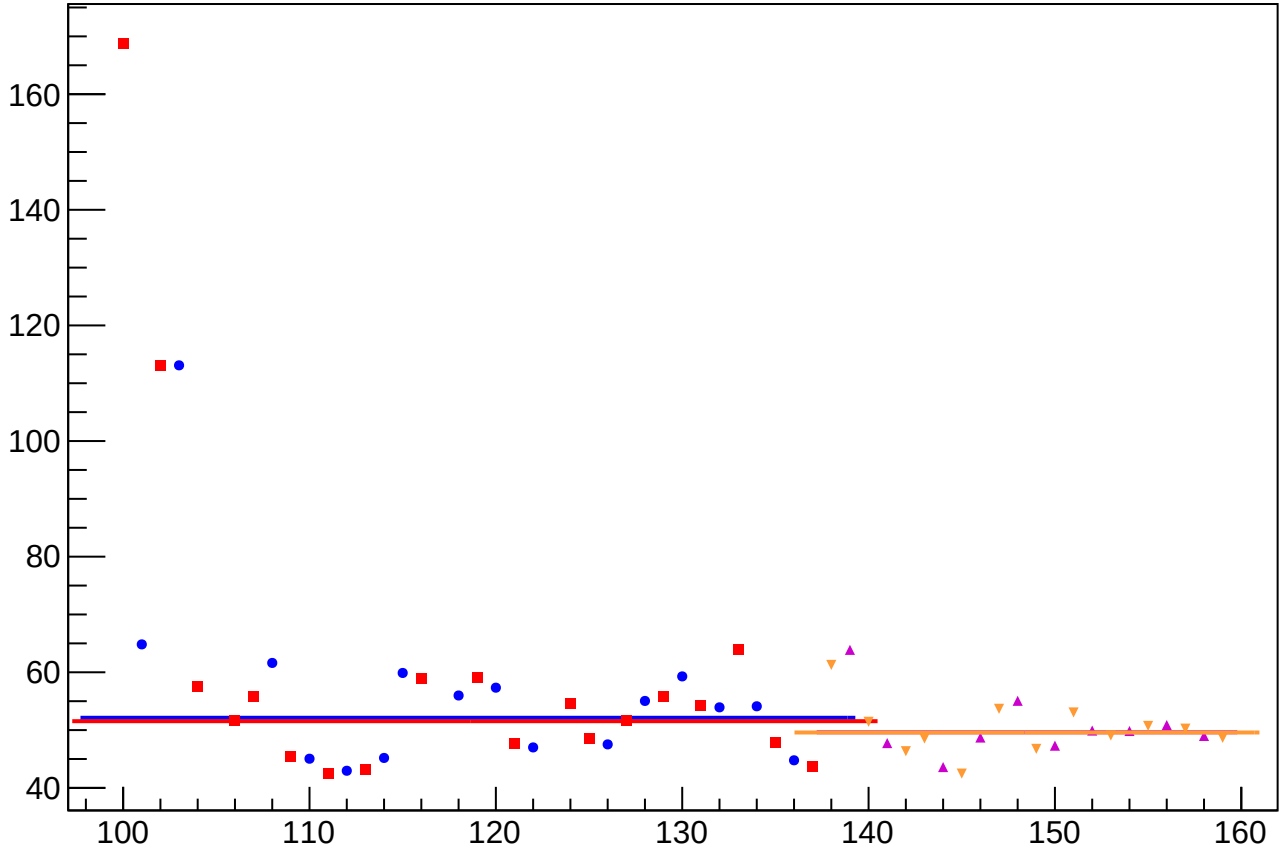
Left In: -46.291+/-16.936 χ^2/NDF:15.7/9

+ sign 25.050+/-12.583 χ^2/NDF: 32.0/27

All: -10.664+/-8.980 χ^2/NDF: 93.4/56

- sign -47.743+/-12.821 χ^2/NDF: 45.0/28

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

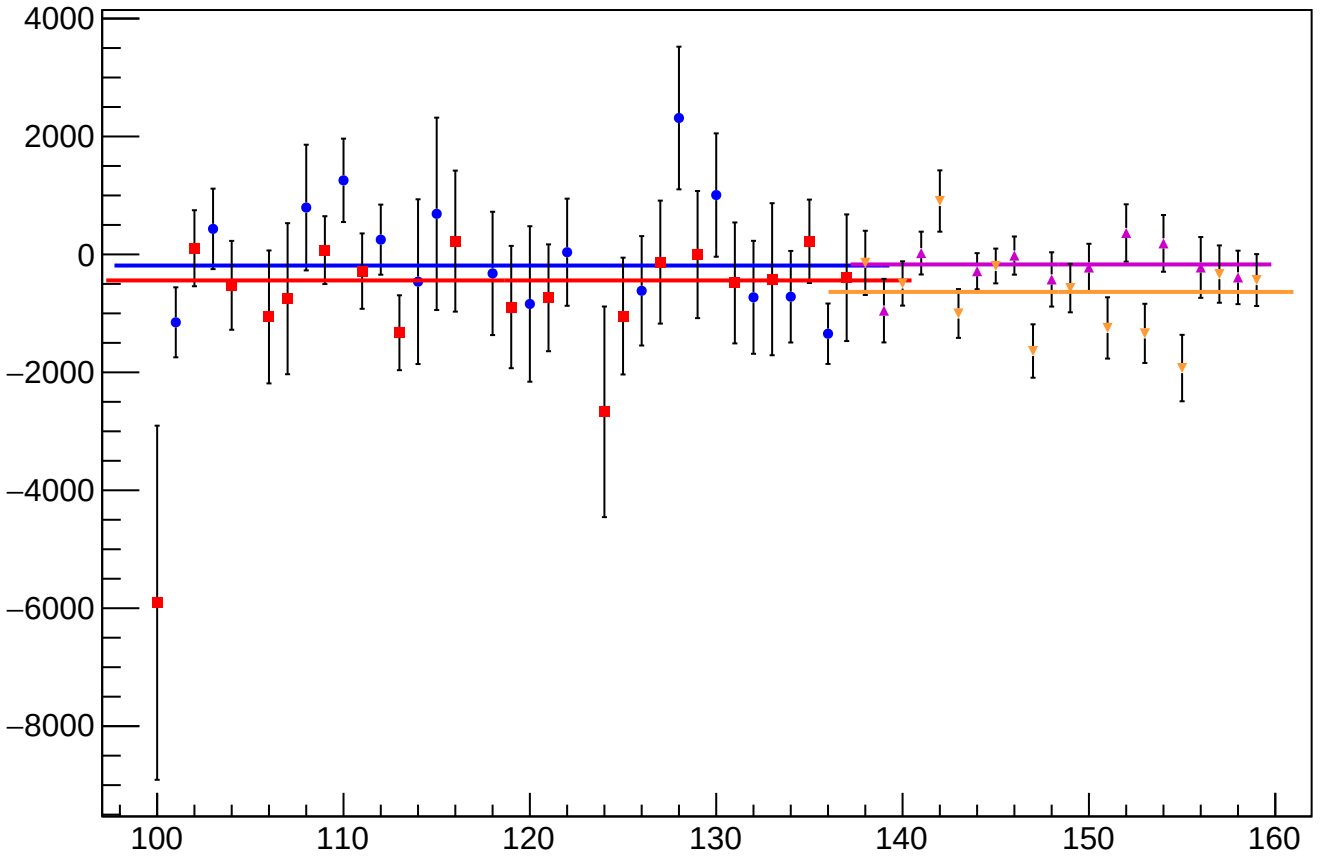
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.8/9

+ sign 50.592+/-0.009 χ^2/NDF: 713820.8/27

All: 50.519+/-0.006 χ^2/NDF: 1507319.7/56

- sign 50.442+/-0.009 χ^2/NDF: 793359.0/28



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

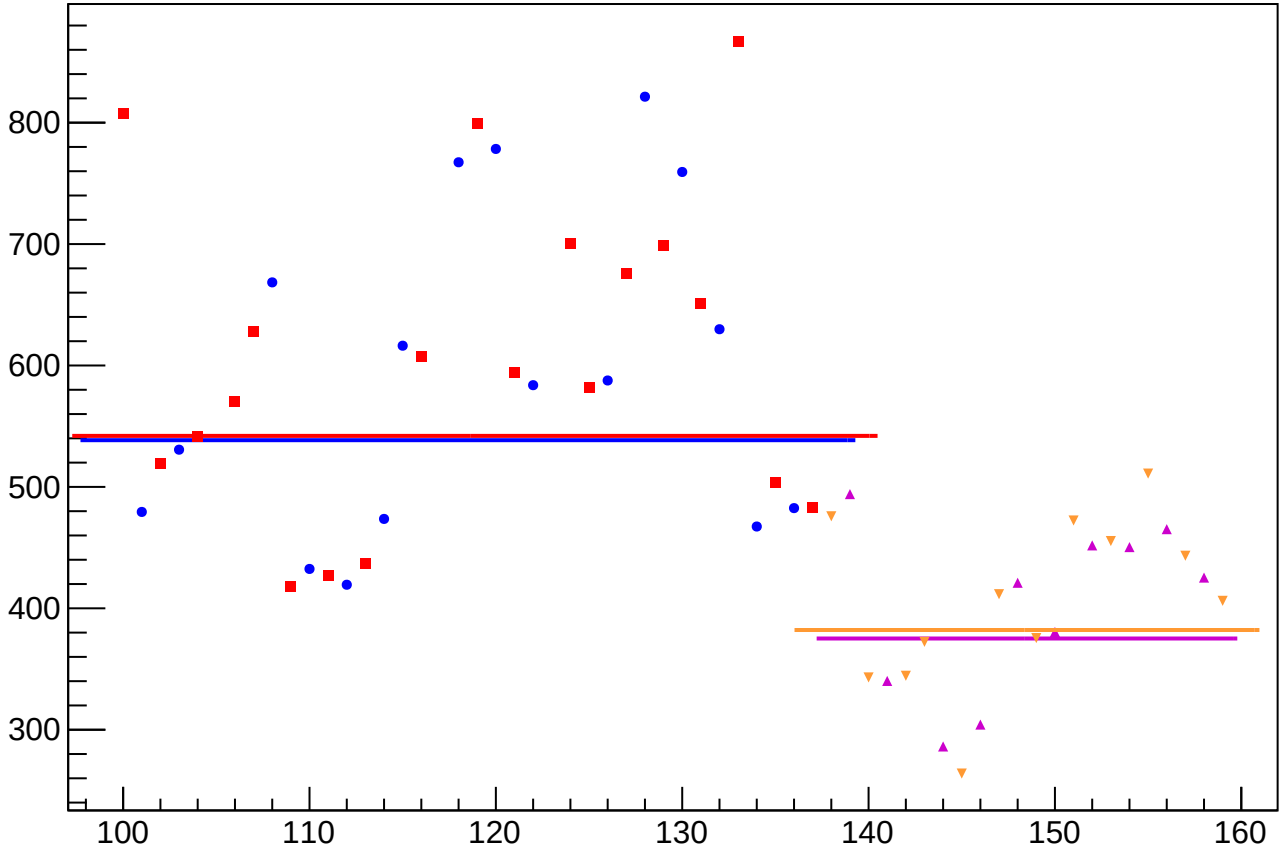
Left In: -169.997+/-129.810 χ^2/NDF:5.1/9

+ sign -513.385+/-107.743 χ^2/NDF: 51.7/27

All: -382.926+/-76.811 χ^2/NDF: 71.8/56

- sign -248.091+/-109.535 χ^2/NDF: 17.2/28

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

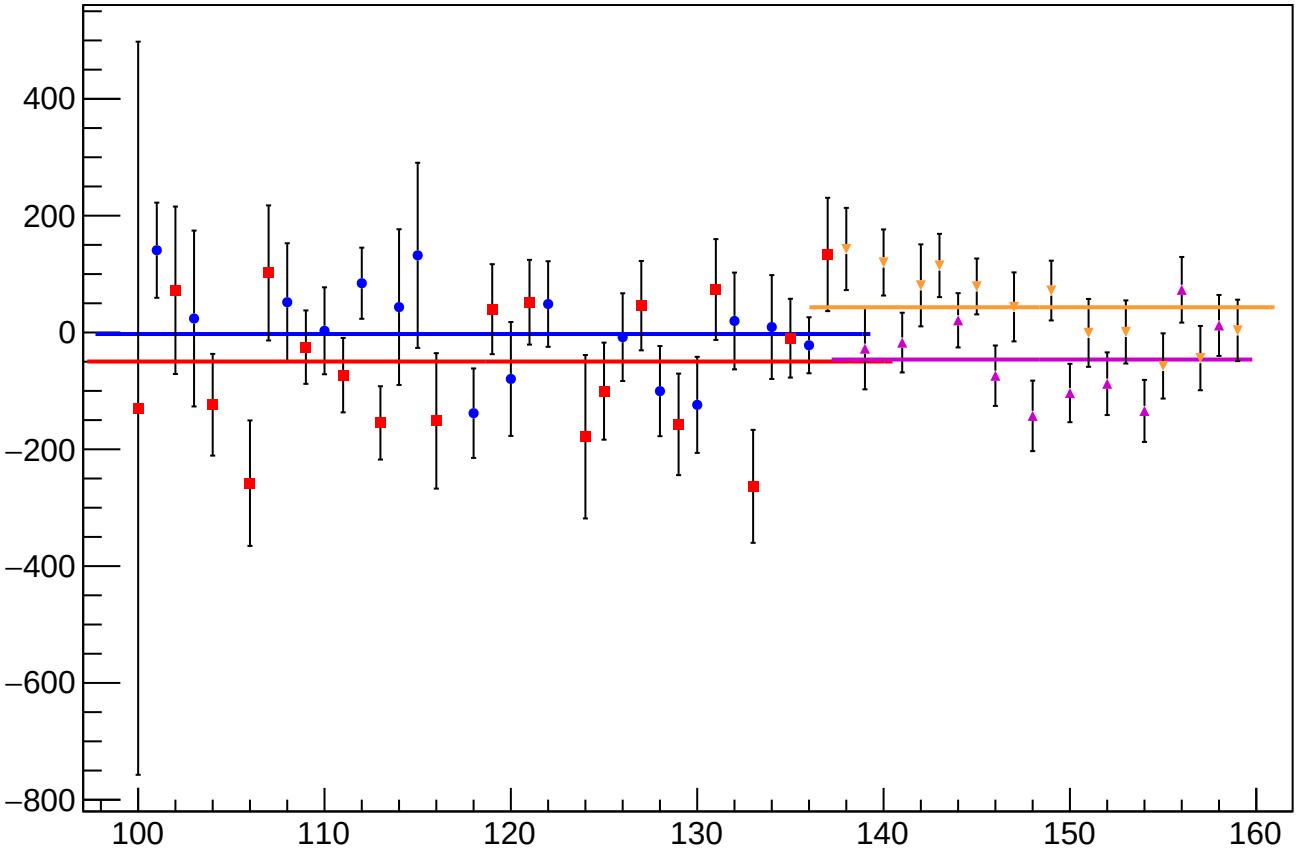
Left In: 375.136+/-0.092 χ^2/NDF:585447.9/9

+ sign 424.987+/-0.076 χ^2/NDF: 2119737.3/27

All: 424.107+/-0.054 χ^2/NDF: 4289027.6/56

- sign 423.198+/-0.077 χ^2/NDF: 2169019.2/28

eigen_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

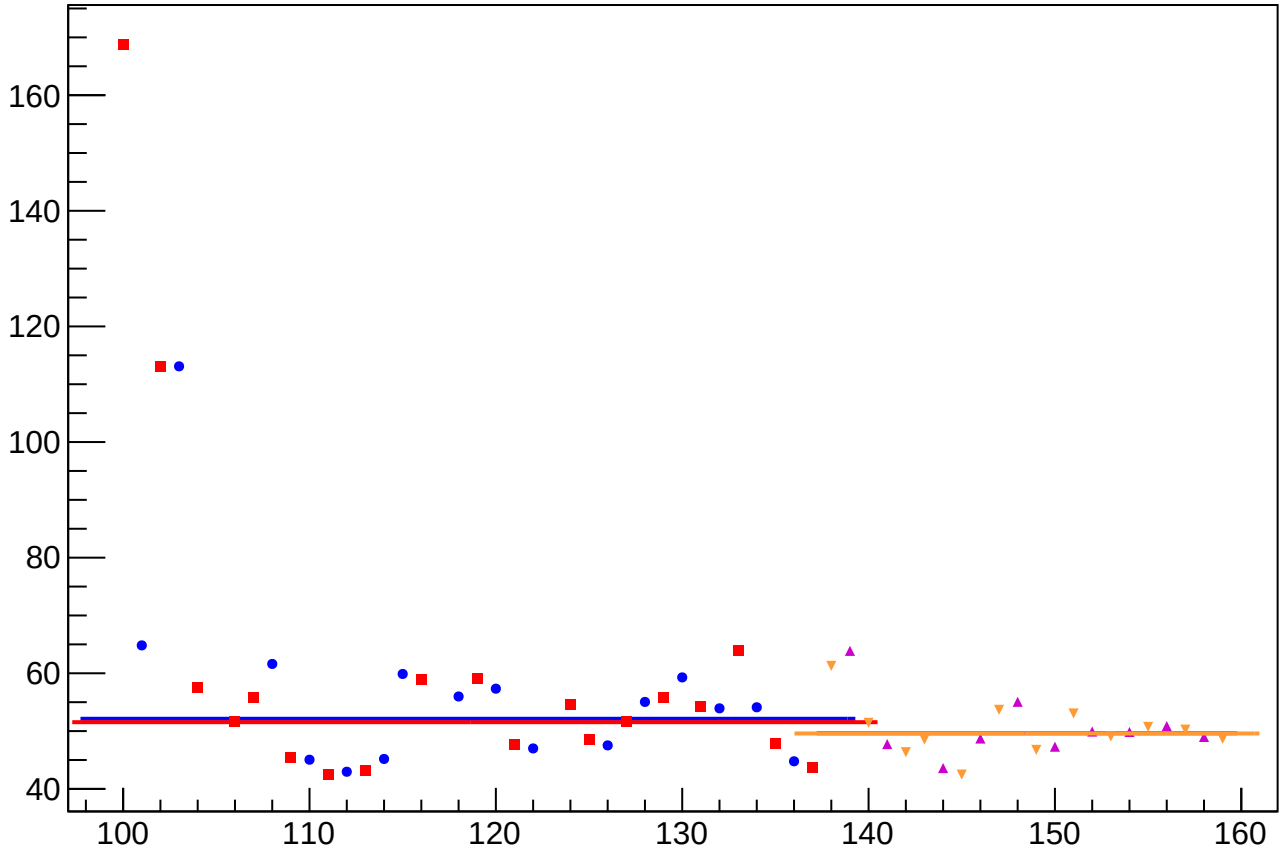
Left In: -46.291+/-16.936 χ^2/NDF:15.7/9

+ sign 25.050+/-12.583 χ^2/NDF: 32.0/27

All: -10.664+/-8.980 χ^2/NDF: 93.4/56

- sign -47.743+/-12.821 χ^2/NDF: 45.0/28

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

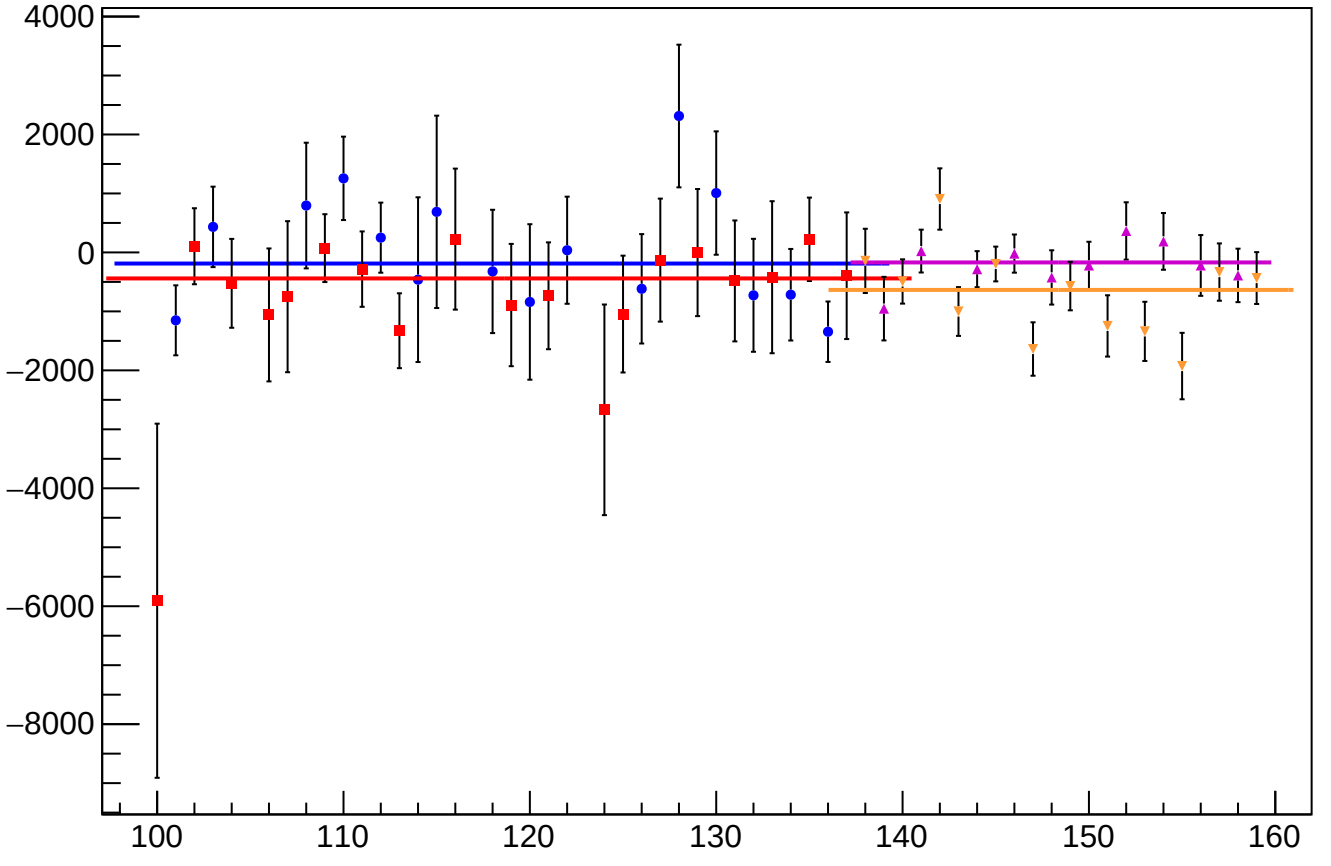
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.625+/-0.012 χ^2/NDF:142656.8/9

+ sign 50.592+/-0.009 χ^2/NDF: 713820.8/27

All: 50.519+/-0.006 χ^2/NDF: 1507319.7/56

- sign 50.442+/-0.009 χ^2/NDF: 793359.0/28



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -636.016+/-126.455 χ^2/NDF:26.9/11

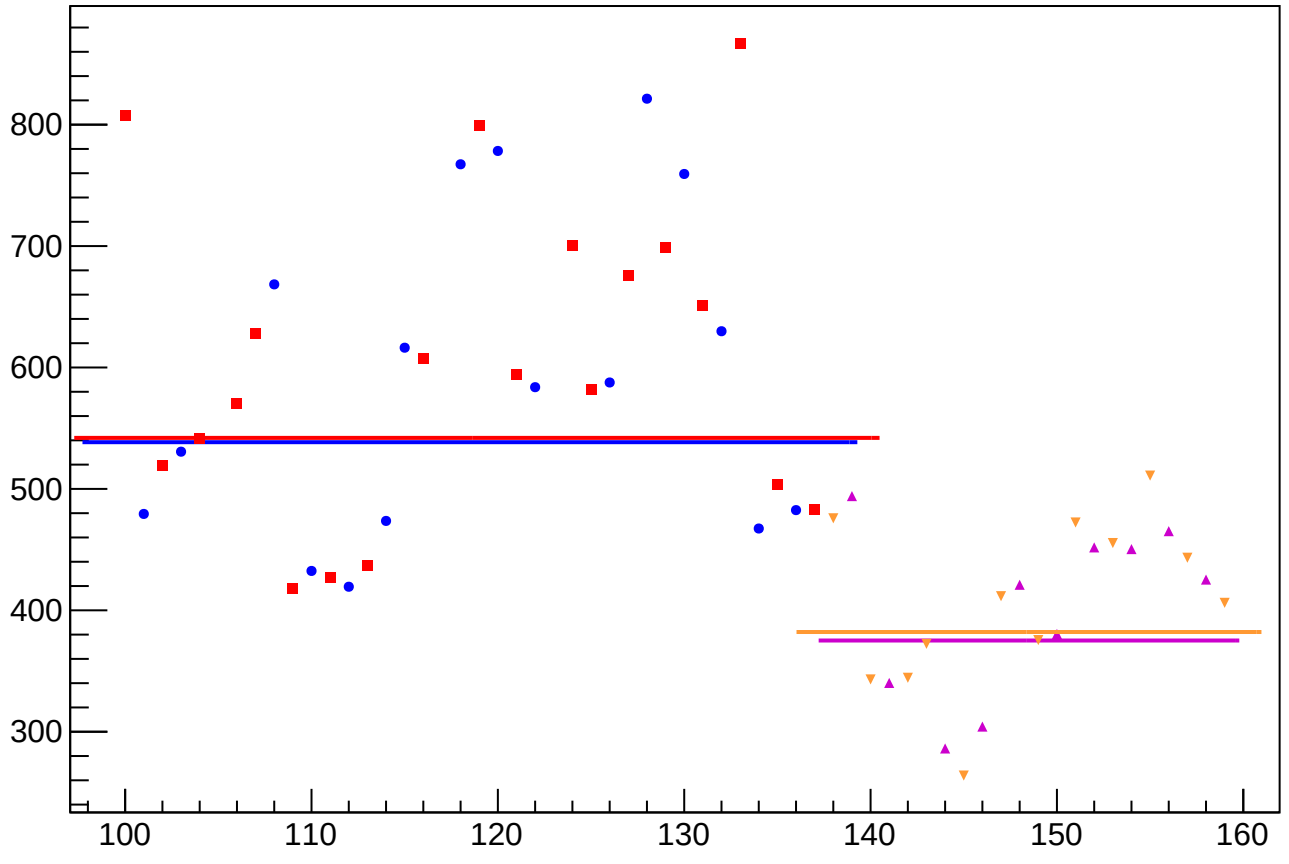
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -169.997+/-129.810 χ^2/NDF:5.1/9

\+ sign -513.385+/-107.743 χ^2/NDF: 51.7/27

All: -382.926+/-76.811 χ^2/NDF: 71.8/56

\- sign -248.091+/-109.535 χ^2/NDF: 17.2/28



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

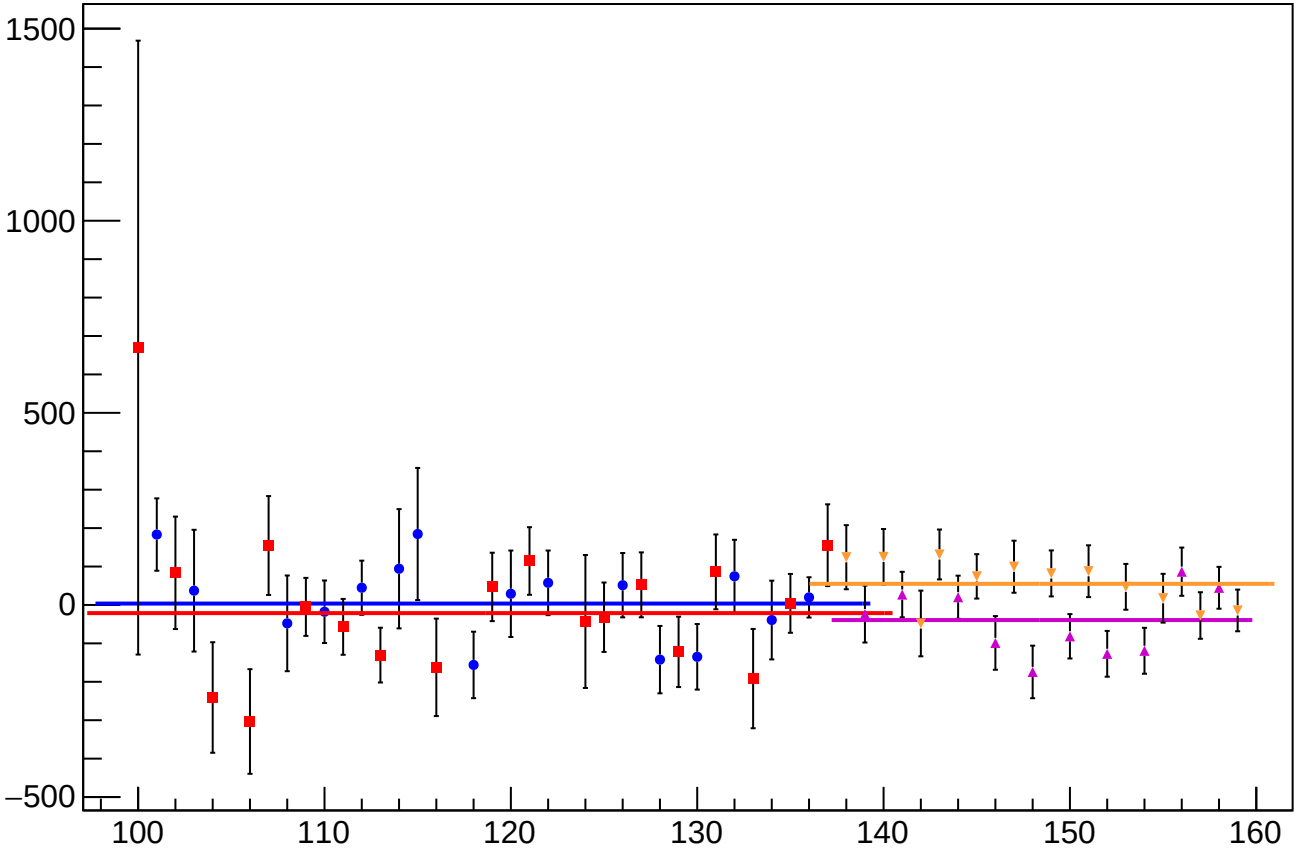
Left In: 375.136+/-0.092 χ^2/NDF:585447.9/9

+ sign 424.987+/-0.076 χ^2/NDF: 2119737.3/27

All: 424.107+/-0.054 χ^2/NDF: 4289027.6/56

- sign 423.198+/-0.077 χ^2/NDF: 2169019.2/28

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

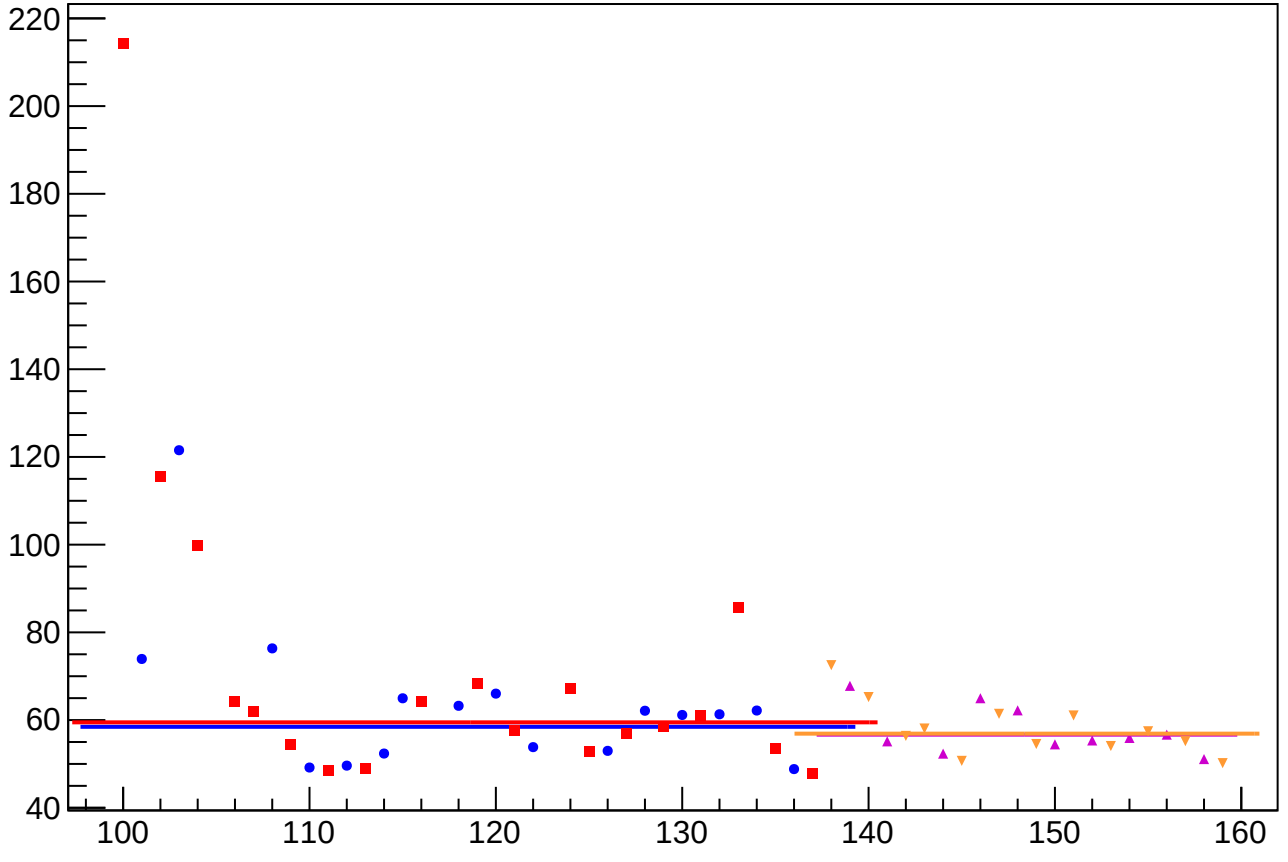
Left In: -39.306+/-19.403 χ^2/NDF:17.9/9

+ sign 33.999+/-14.366 χ^2/NDF: 28.5/27

All: 2.051+/-10.298 χ^2/NDF: 81.4/56

- sign -31.711+/-14.768 χ^2/NDF: 42.7/28

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

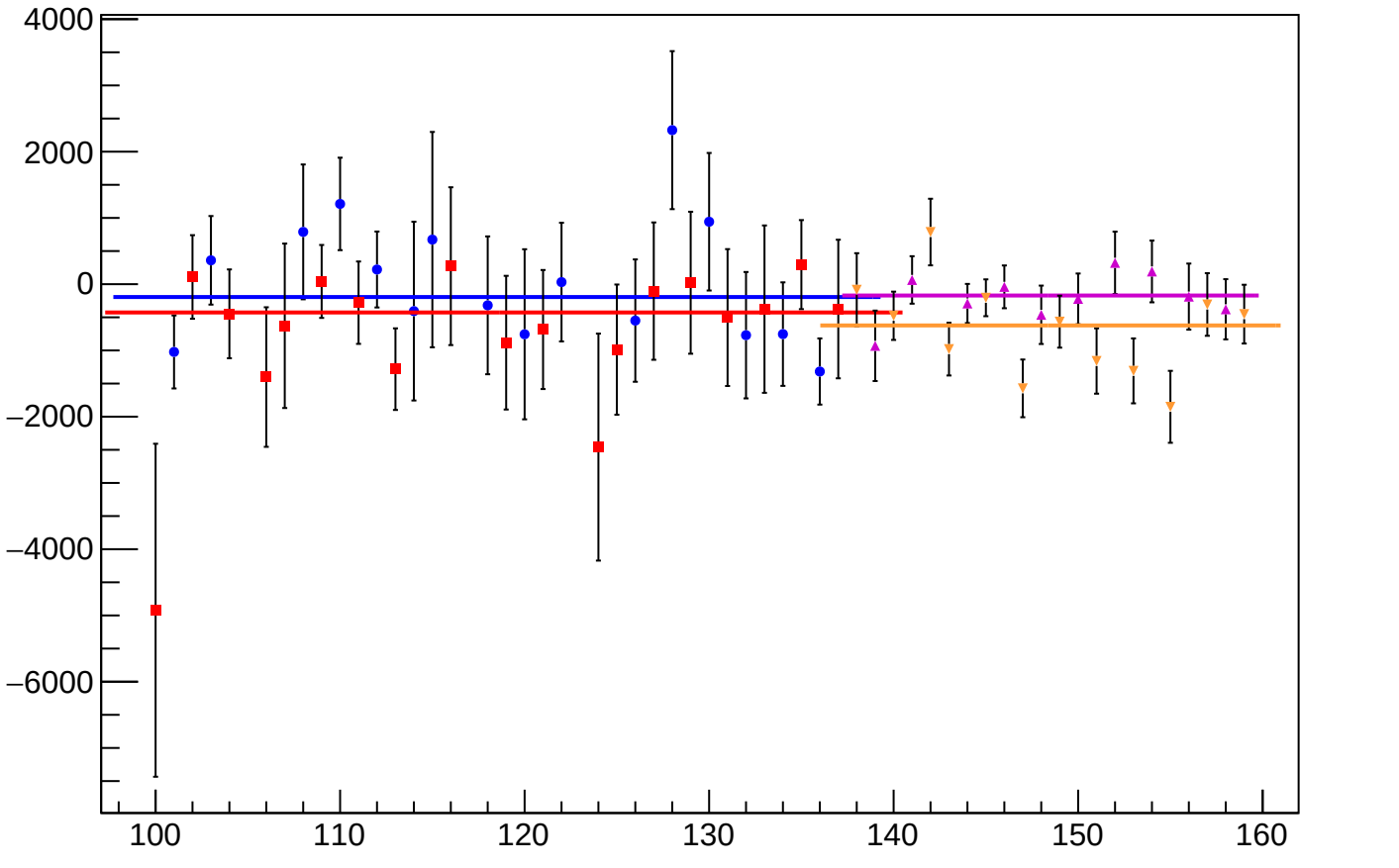
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.672+/-0.014 χ^2/NDF:124859.7/9

+ sign 57.541+/-0.010 χ^2/NDF: 765685.6/27

All: 57.694+/-0.007 χ^2/NDF: 1693559.4/56

- sign 57.855+/-0.010 χ^2/NDF: 927409.7/28



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

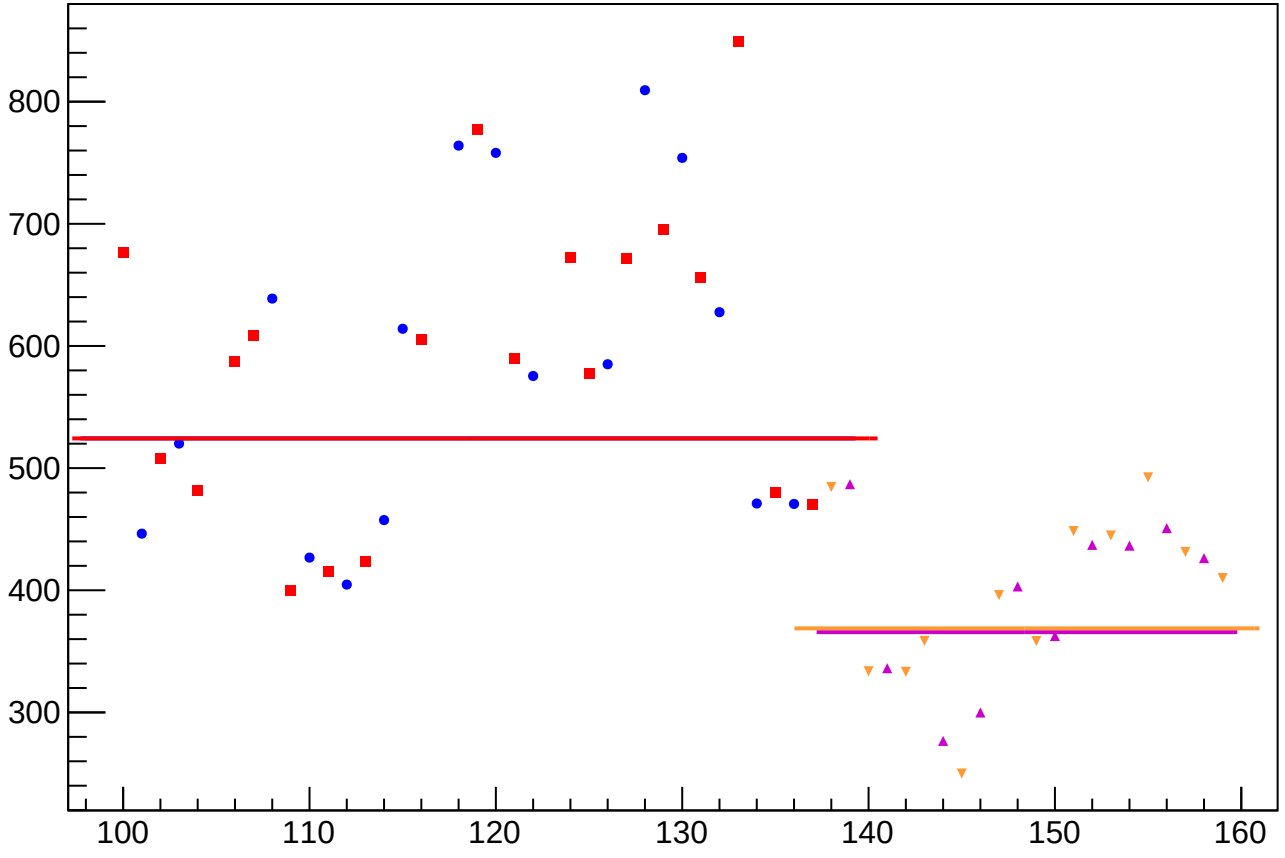
Left In: -170.982+/-126.639 χ^2/NDF:5.2/9

+ sign -506.710+/-104.332 χ^2/NDF: 49.8/27

All: -378.988+/-74.538 χ^2/NDF: 70.5/56

- sign -245.834+/-106.528 χ^2/NDF: 17.7/28

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

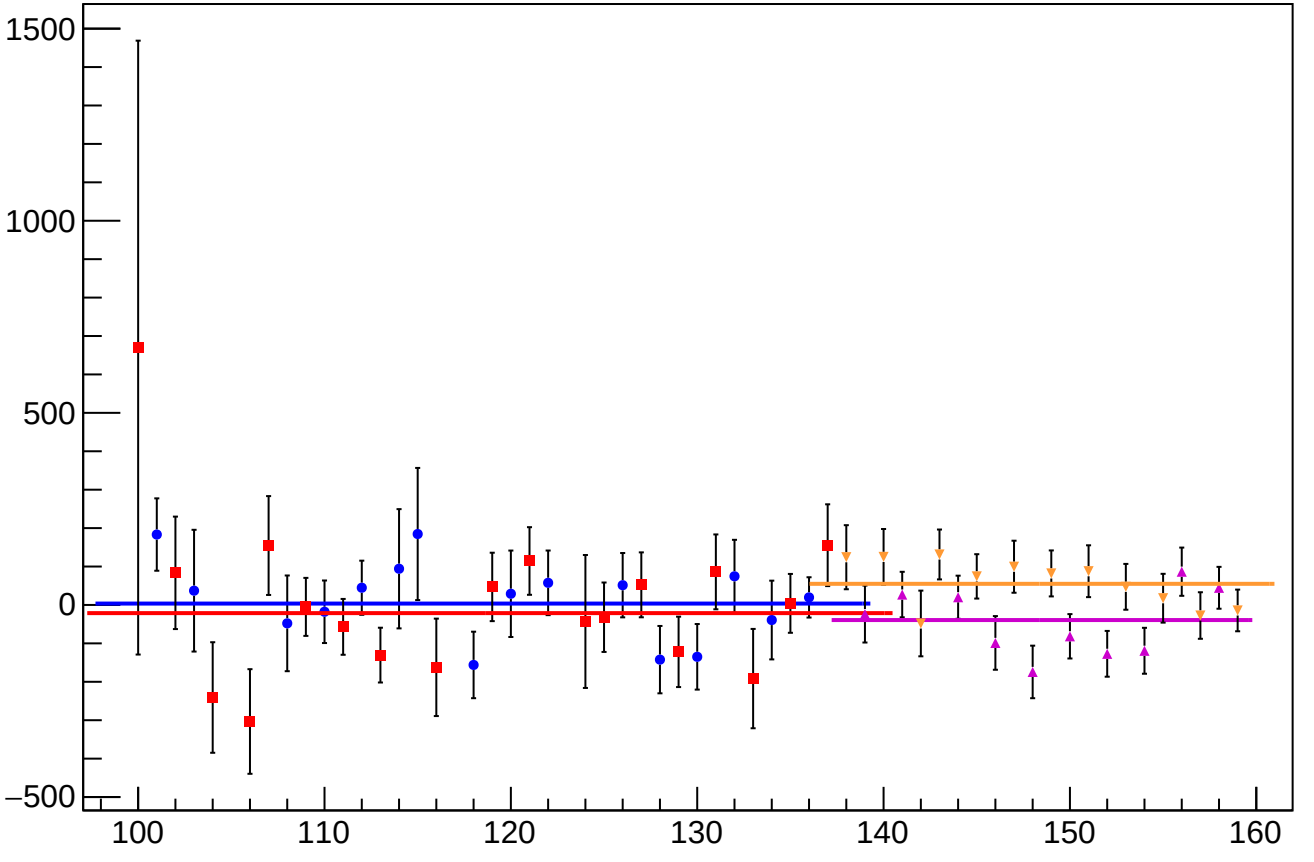
Left In: 365.740+/-0.090 χ^2/NDF:583172.7/9

+ sign 410.884+/-0.074 χ^2/NDF: 2283931.2/27

All: 411.481+/-0.053 χ^2/NDF: 4470126.9/56

- sign 412.104+/-0.075 χ^2/NDF: 2186061.6/28

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

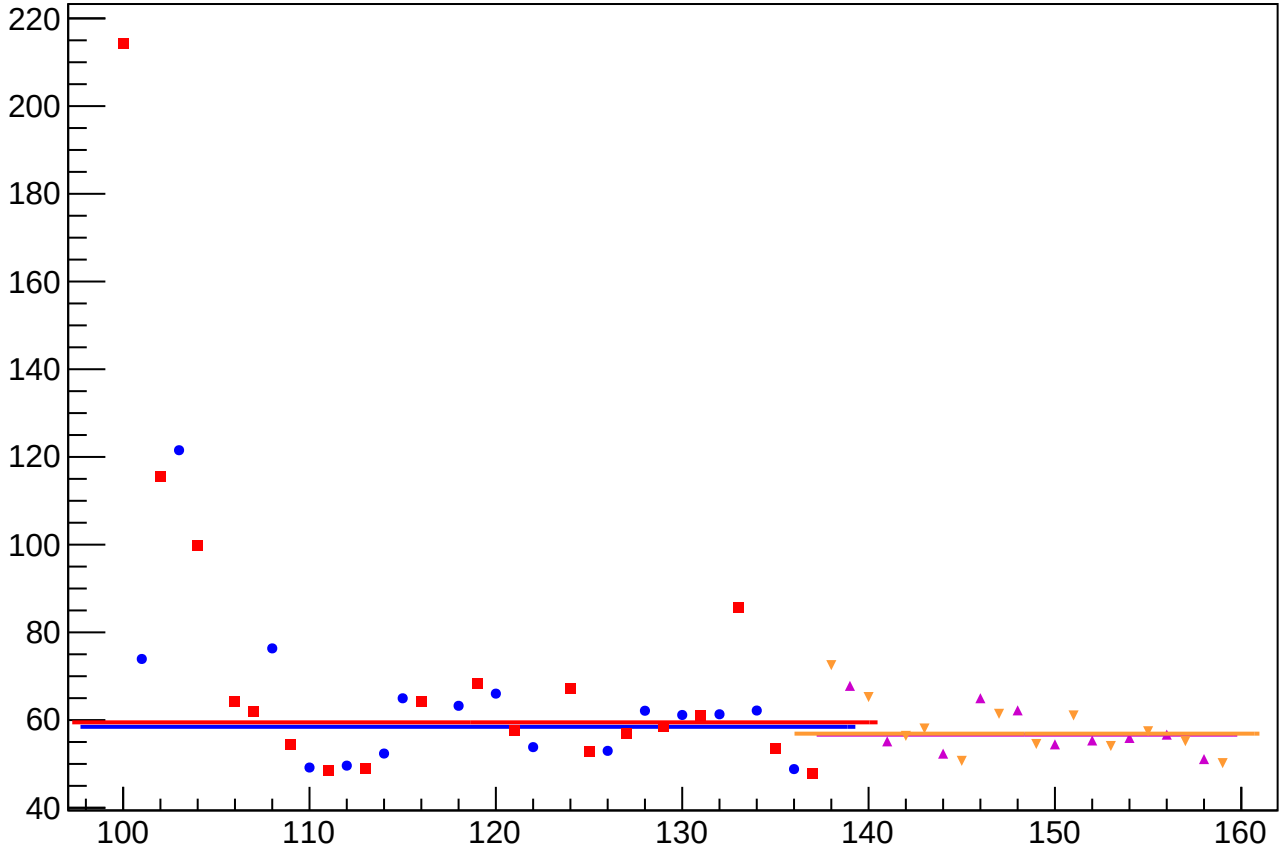
Left In: -39.306+/-19.404 χ^2/NDF:17.9/9

+ sign 34.000+/-14.366 χ^2/NDF: 28.5/27

All: 2.051+/-10.298 χ^2/NDF: 81.4/56

- sign -31.710+/-14.768 χ^2/NDF: 42.7/28

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

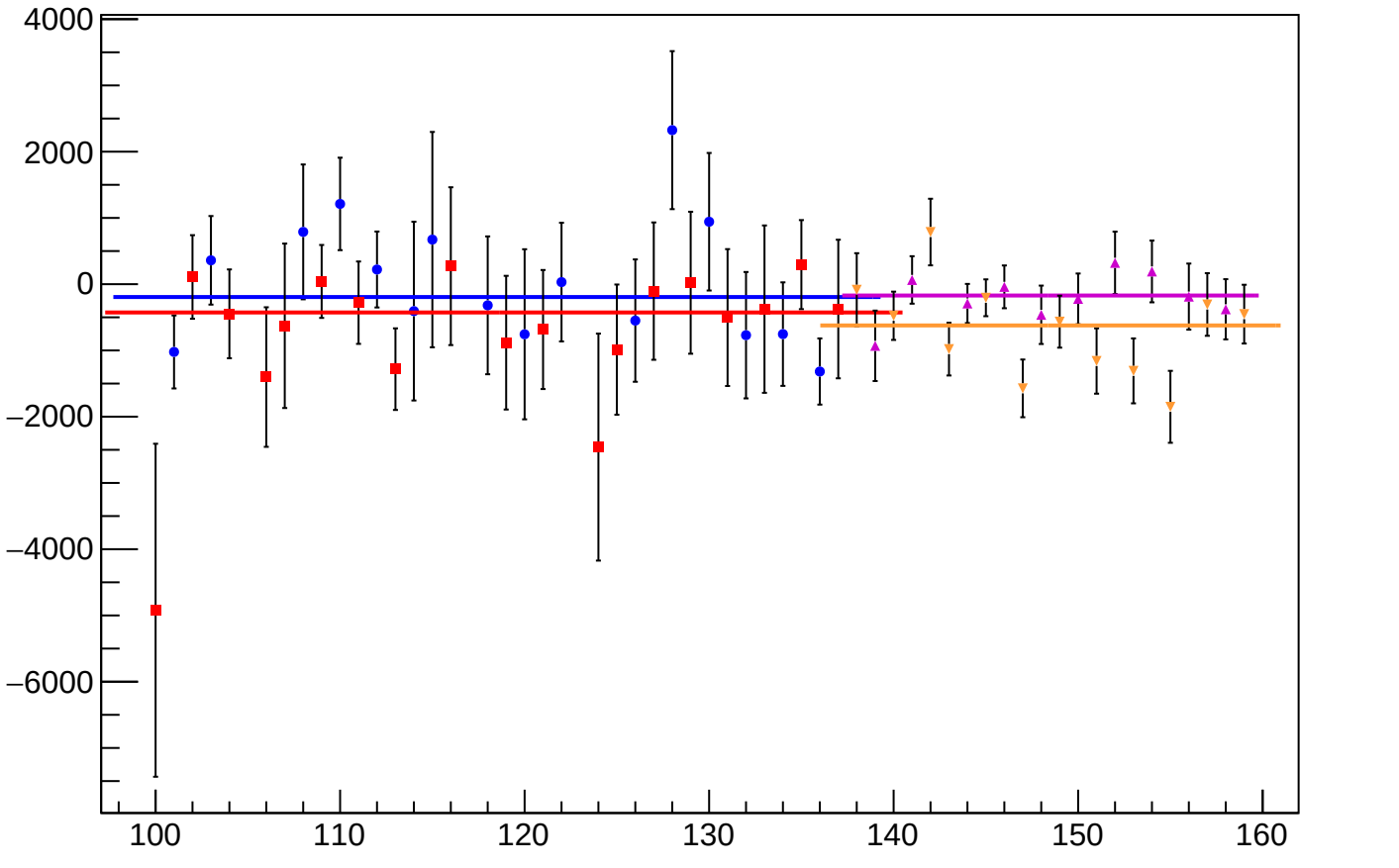
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.672+/-0.014 χ^2/NDF:124860.1/9

+ sign 57.542+/-0.010 χ^2/NDF: 765684.8/27

All: 57.694+/-0.007 χ^2/NDF: 1693558.2/56

- sign 57.855+/-0.010 χ^2/NDF: 927409.3/28



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -622.698+/-122.153 χ^2/NDF:25.7/11

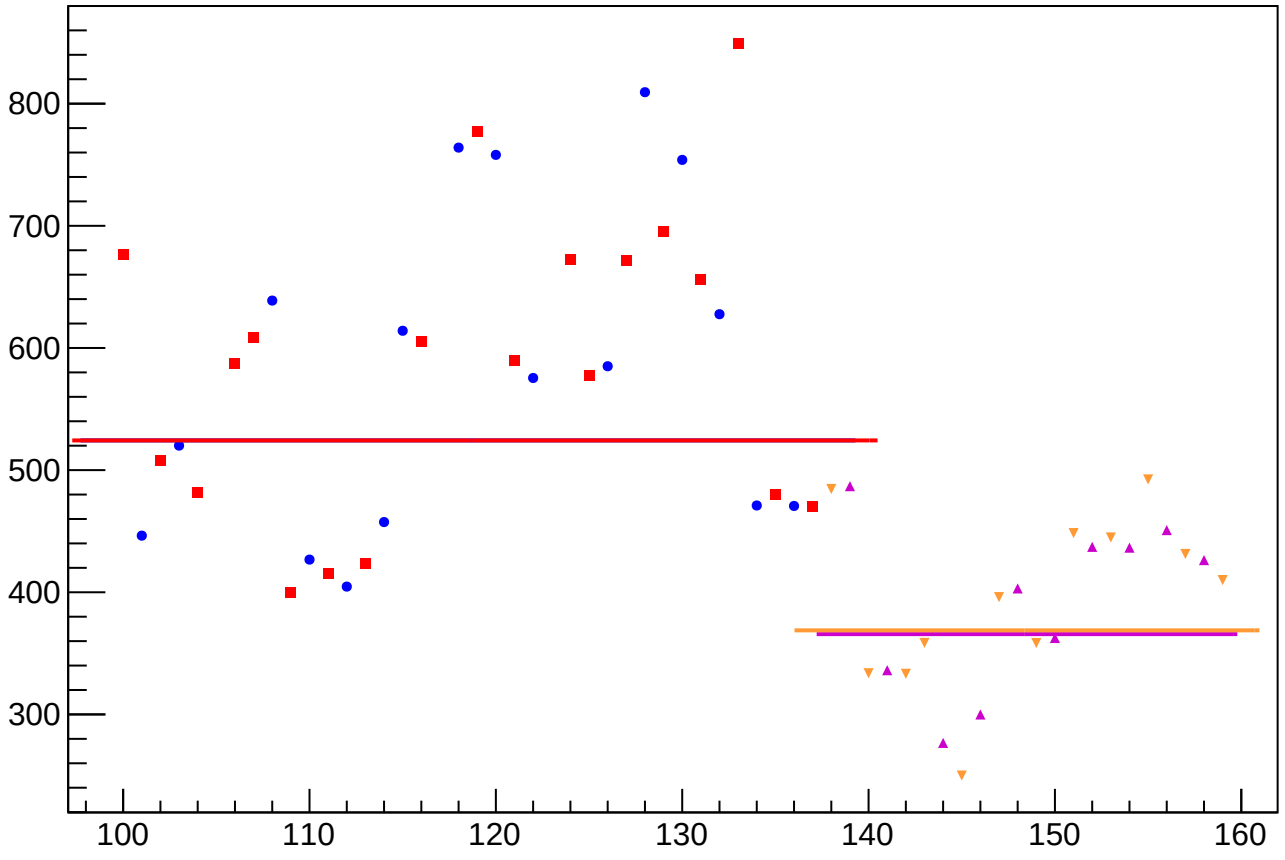
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -170.981+/-126.639 χ^2/NDF:5.2/9

+ sign -506.710+/-104.332 χ^2/NDF: 49.8/27

All: -378.988+/-74.538 χ^2/NDF: 70.5/56

- sign -245.833+/-106.528 χ^2/NDF: 17.7/28



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

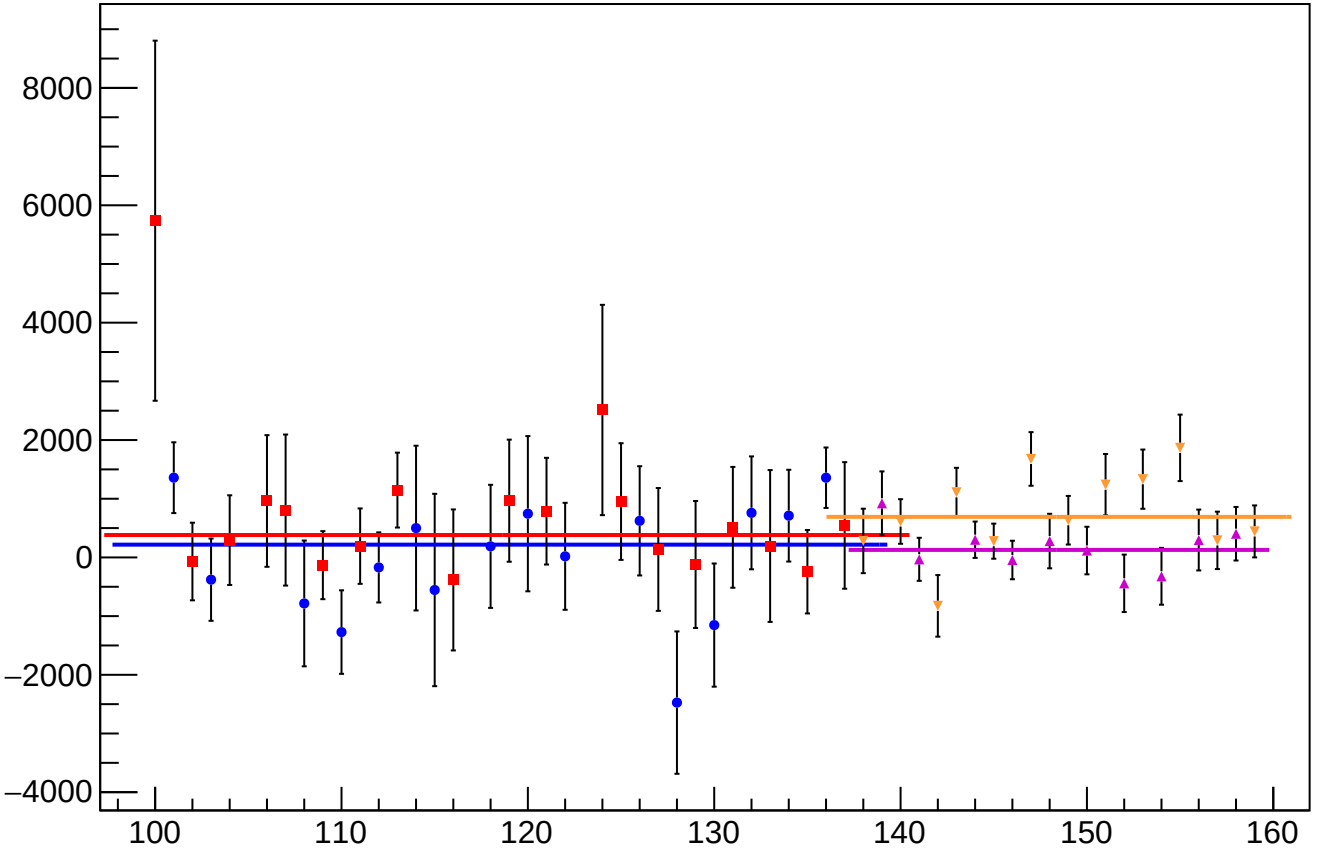
Left In: 365.740+/-0.090 χ^2/NDF:583169.9/9

+ sign 410.883+/-0.074 χ^2/NDF: 2283927.1/27

All: 411.481+/-0.053 χ^2/NDF: 4470115.0/56

- sign 412.104+/-0.075 χ^2/NDF: 2186053.8/28

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

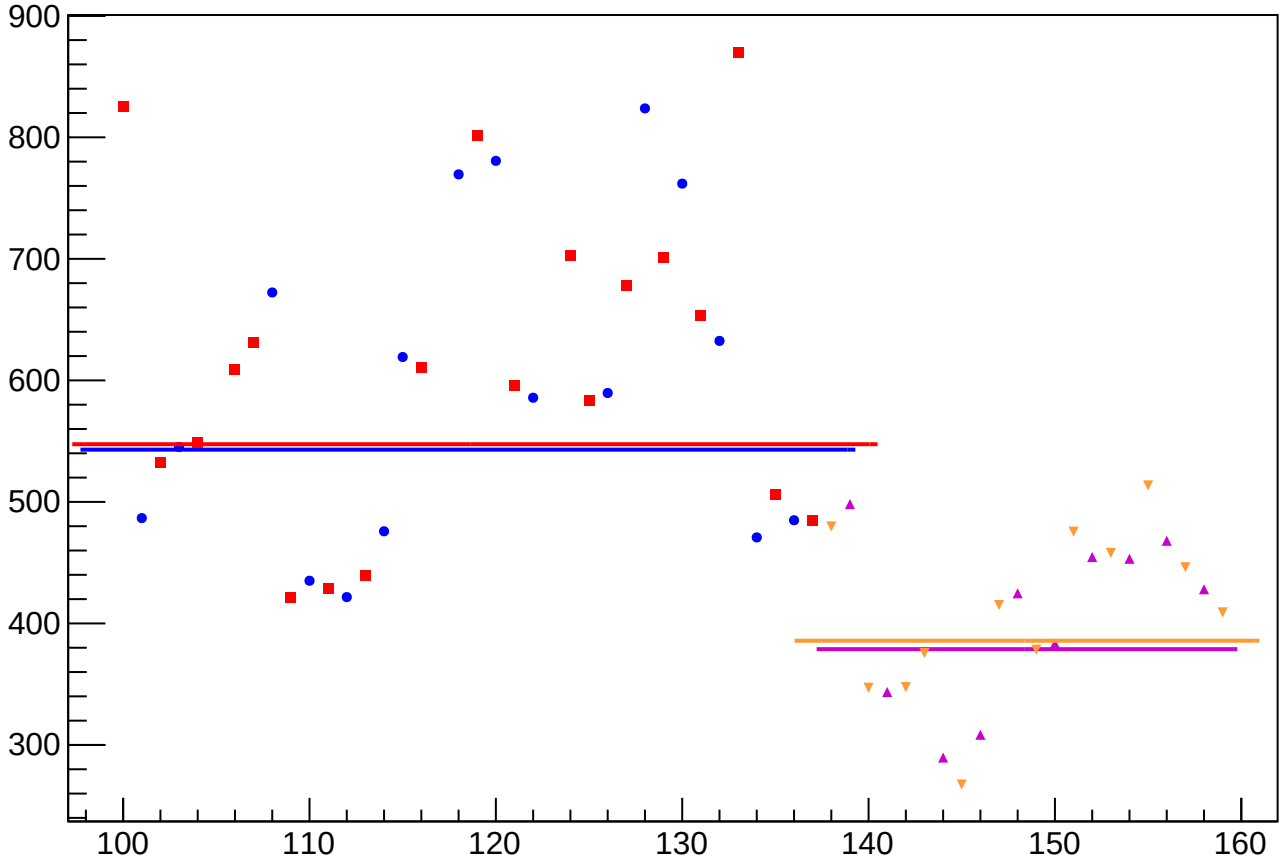
Left In: 128.068+/-131.028 χ^2/NDF:5.7/9

\+ sign 561.292+/-108.690 χ^2/NDF: 51.2/27

All: 384.294+/-77.485 χ^2/NDF: 73.4/56

\- sign 201.372+/-110.494 χ^2/NDF: 16.8/28

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

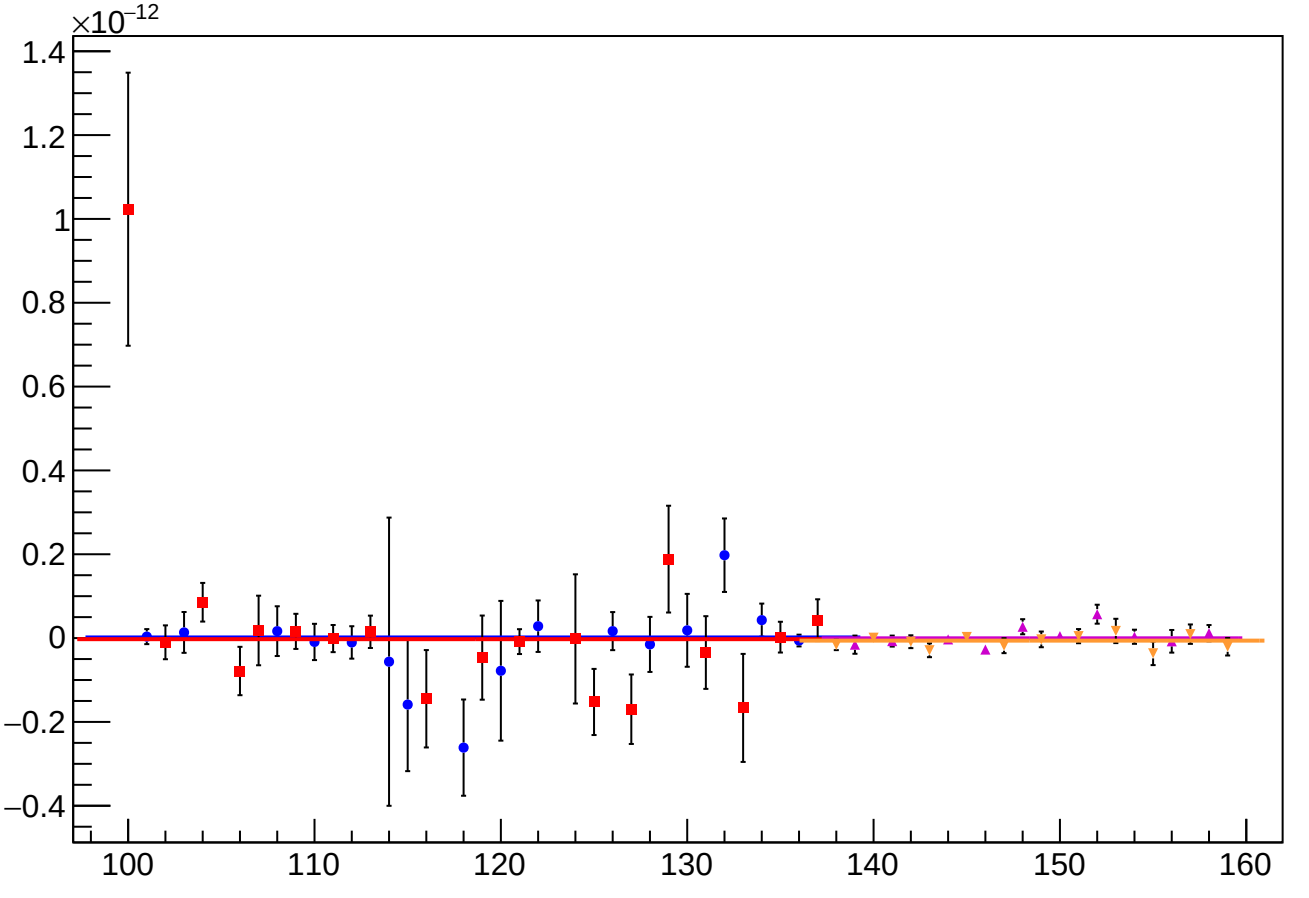
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 378.839+/-0.093 χ^2/NDF:570903.3/9

+ sign 428.914+/-0.077 χ^2/NDF: 2090085.4/27

All: 428.243+/-0.055 χ^2/NDF: 4248280.5/56

- sign 427.549+/-0.078 χ^2/NDF: 2158040.0/28



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/11

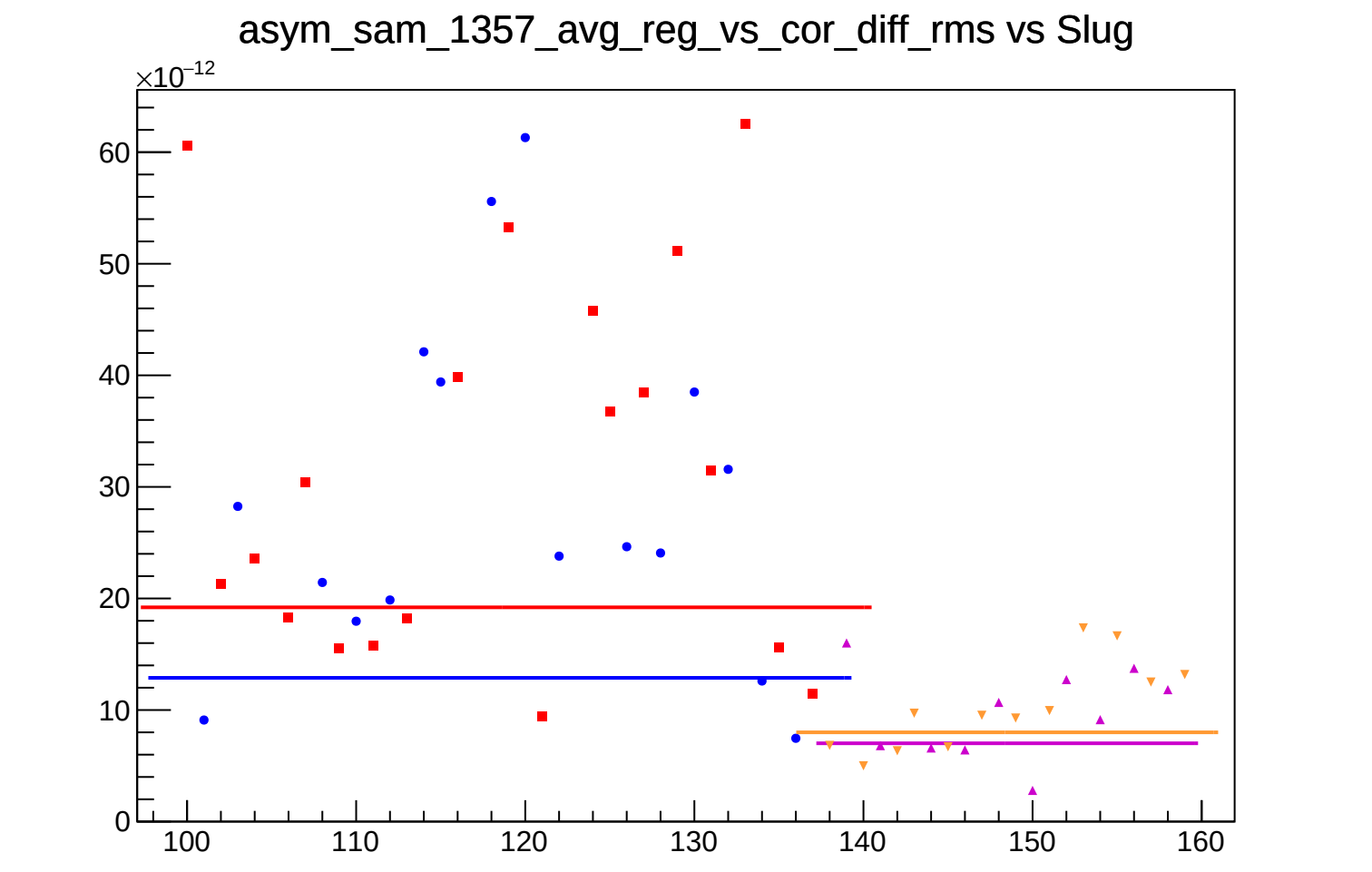
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/9

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/27

All: -0.000+/-0.000 χ^2/NDF: 68.5/56

- sign -0.000+/-0.000 χ^2/NDF: 46.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:961183.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

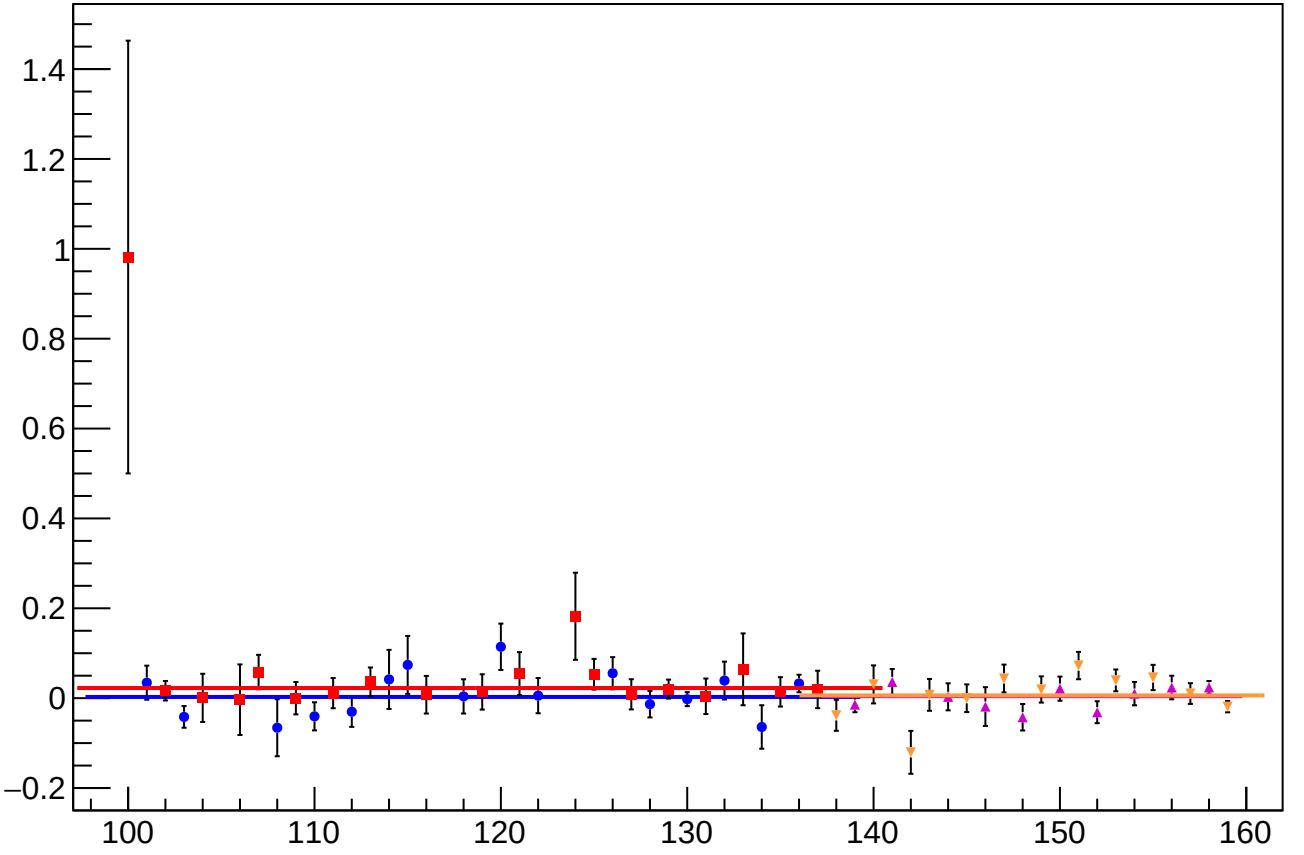
Left In: 0.000+/-0.000 χ^2/NDF:1356304.5/9

+ sign 0.000+/-0.000 χ^2/NDF: 3188885.9/27

All: 0.000+/-0.000 χ^2/NDF: 7715501.4/56

- sign 0.000+/-0.000 χ^2/NDF: 4510485.3/28

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

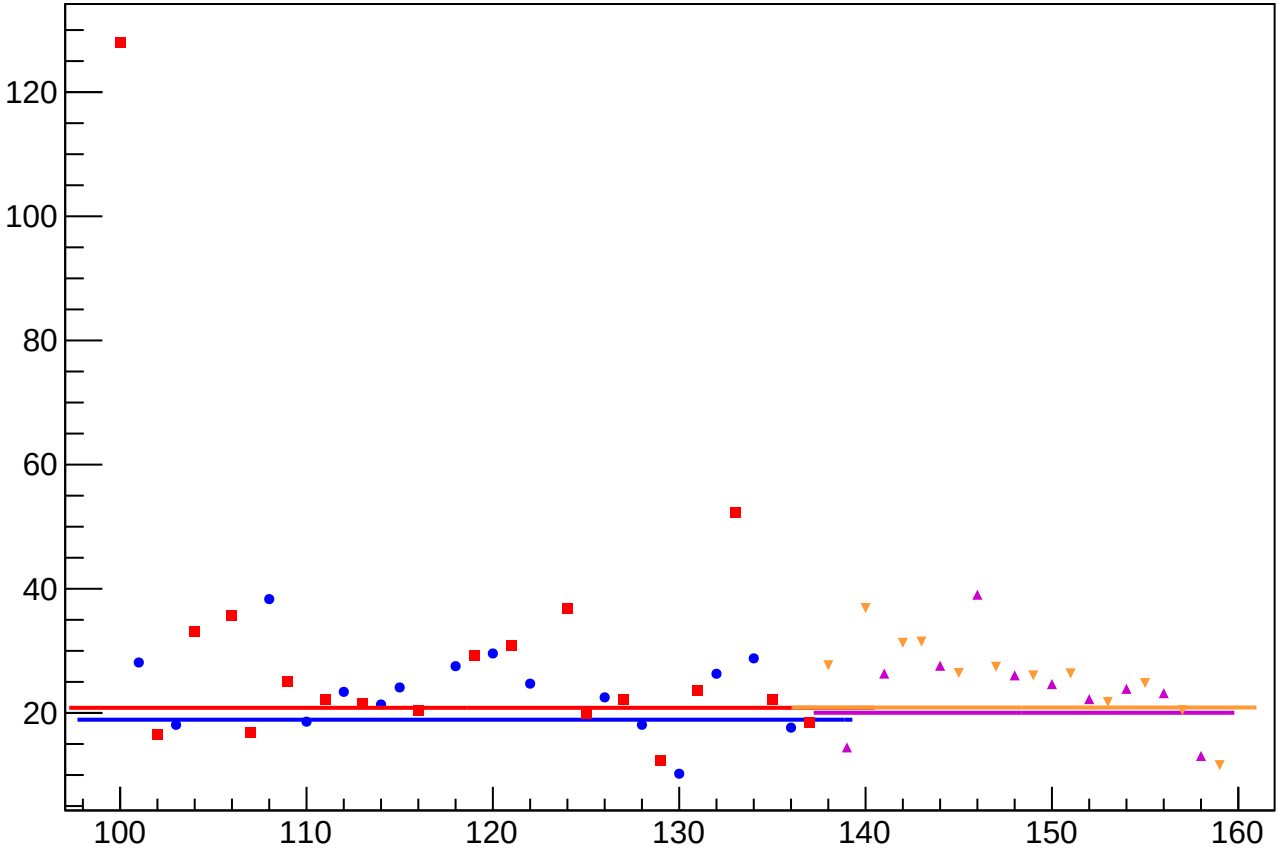
Left In: 0.004+/-0.007 χ^2/NDF:10.3/9

+ sign 0.005+/-0.005 χ^2/NDF: 45.4/27

All: 0.008+/-0.004 χ^2/NDF: 70.1/56

- sign 0.012+/-0.006 χ^2/NDF: 23.6/28

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

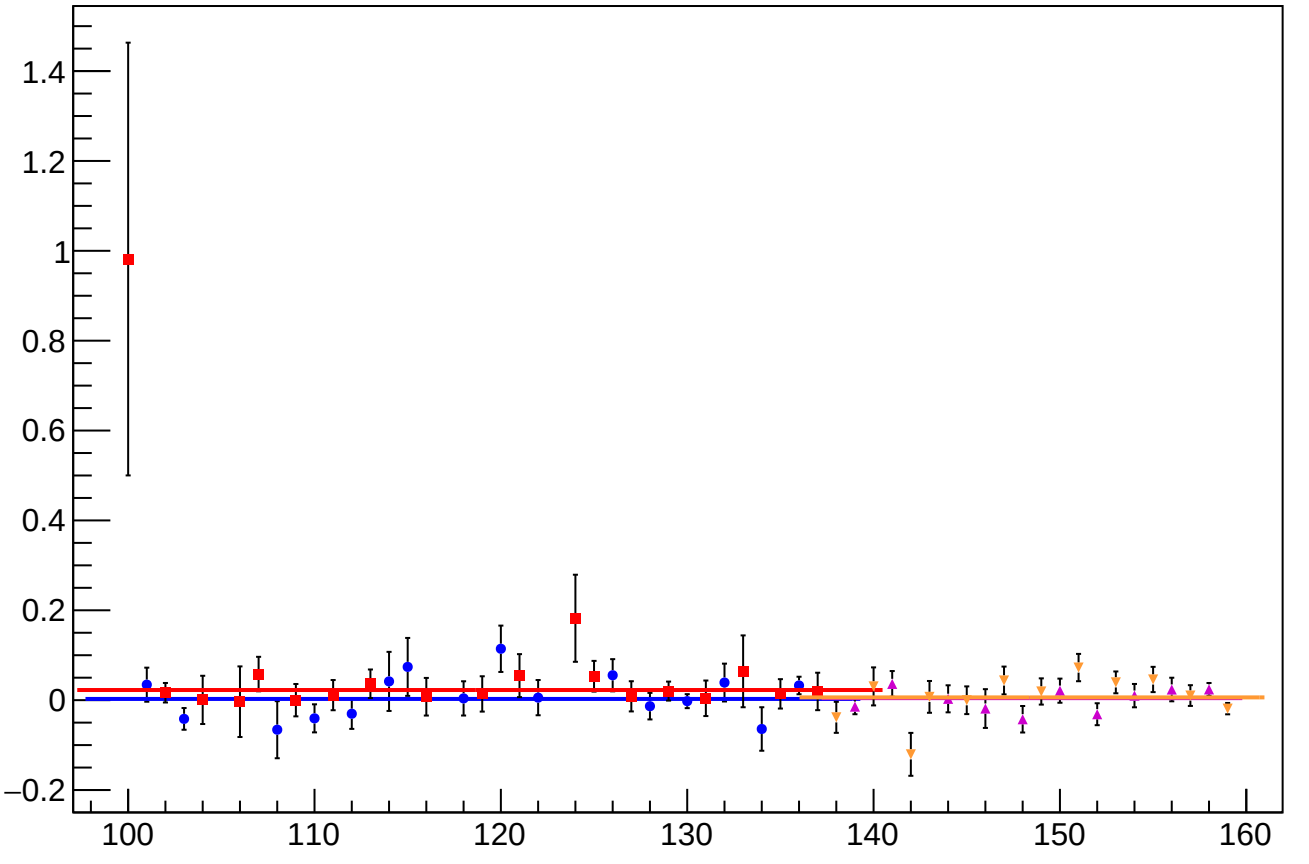
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.028+/-0.005 χ^2/NDF:1537237.2/9

+ sign 19.941+/-0.004 χ^2/NDF: 3500656.9/27

All: 20.151+/-0.003 χ^2/NDF: 6345803.9/56

- sign 20.373+/-0.004 χ^2/NDF: 2838913.4/28



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

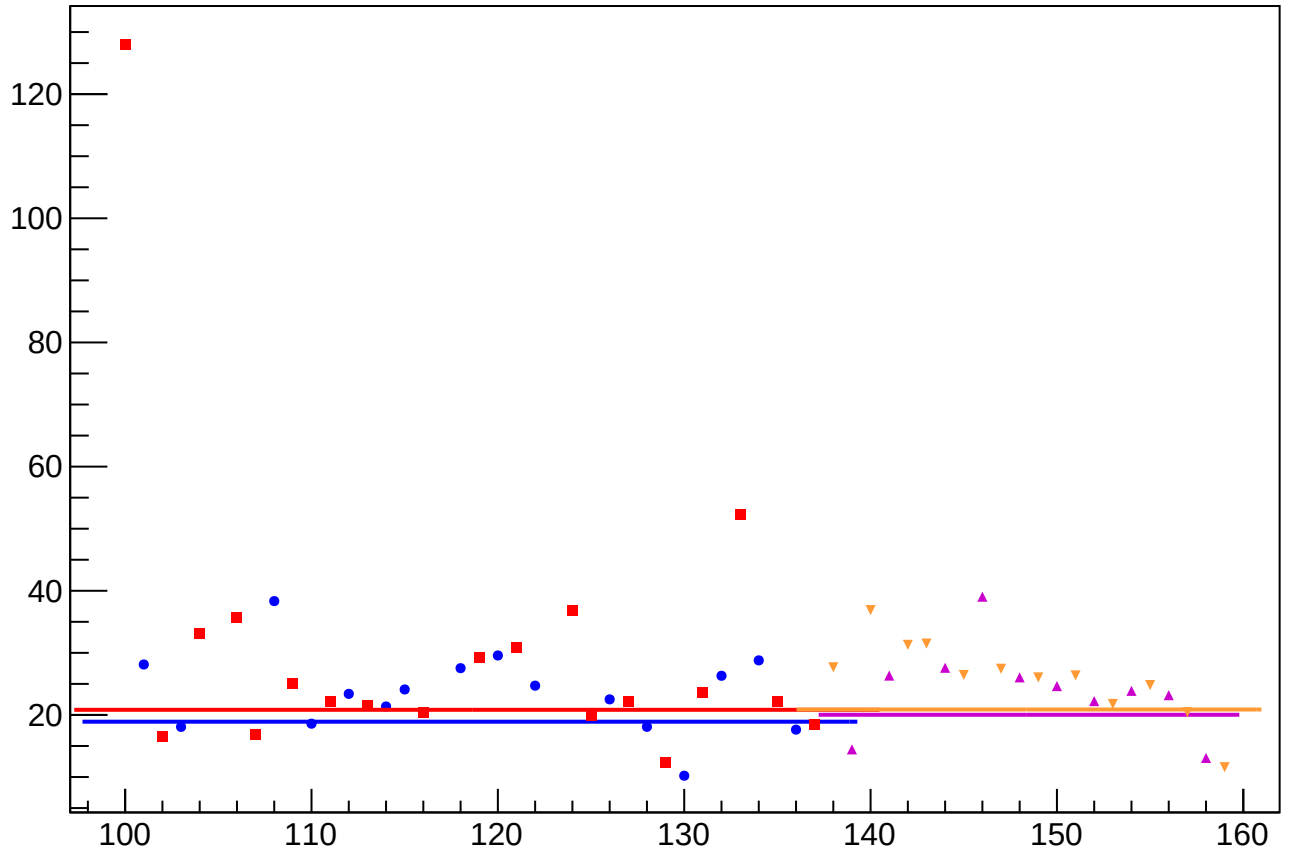
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.007 χ^2/NDF:10.3/9

+ sign 0.005+/-0.005 χ^2/NDF: 45.4/27

All: 0.008+/-0.004 χ^2/NDF: 70.1/56

- sign 0.012+/-0.006 χ^2/NDF: 23.6/28



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.877+/-0.005 χ^2/NDF:2043816.9/11

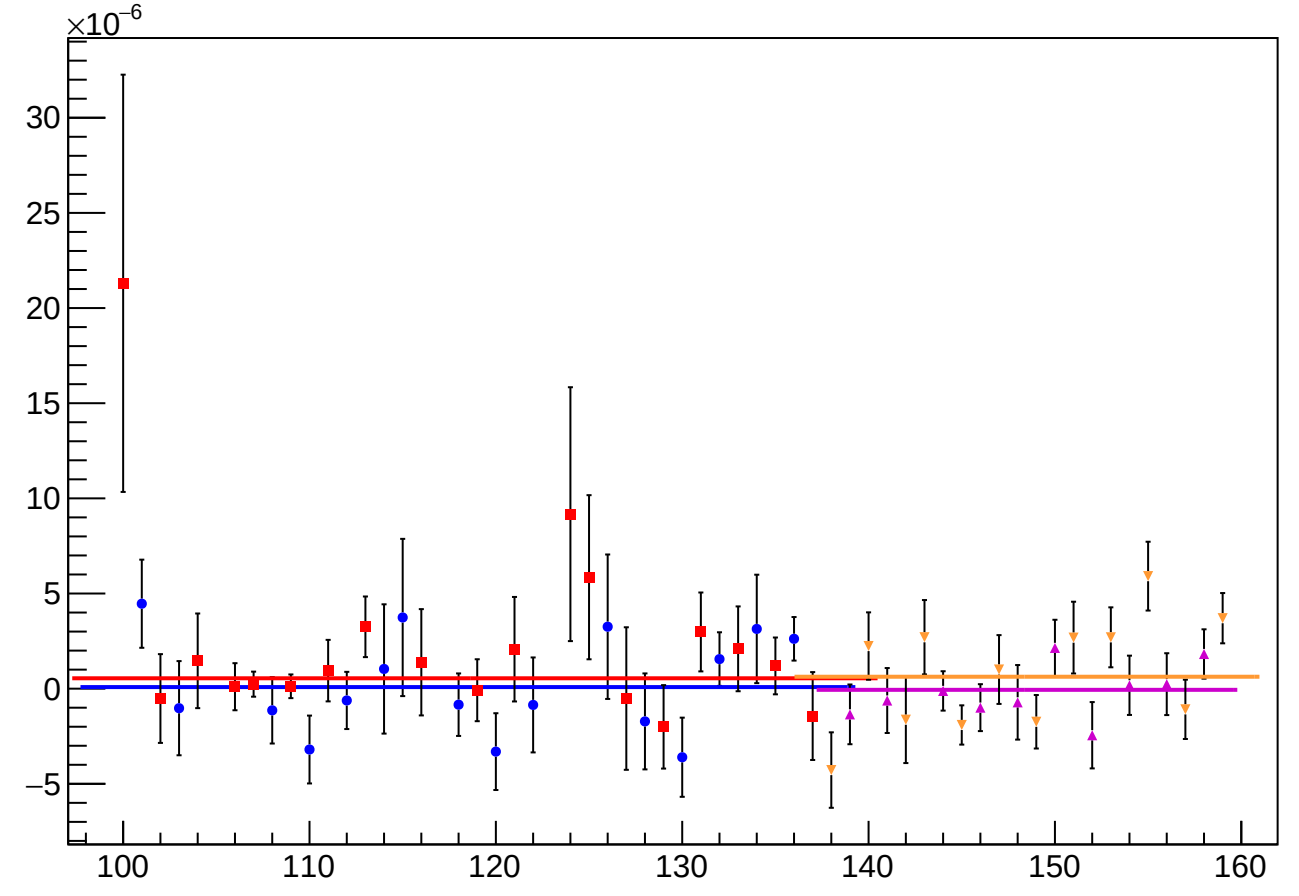
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.028+/-0.005 χ^2/NDF:1537237.2/9

+ sign 19.941+/-0.004 χ^2/NDF: 3500656.9/27

All: 20.151+/-0.003 χ^2/NDF: 6345803.9/56

- sign 20.373+/-0.004 χ^2/NDF: 2838913.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.1/11

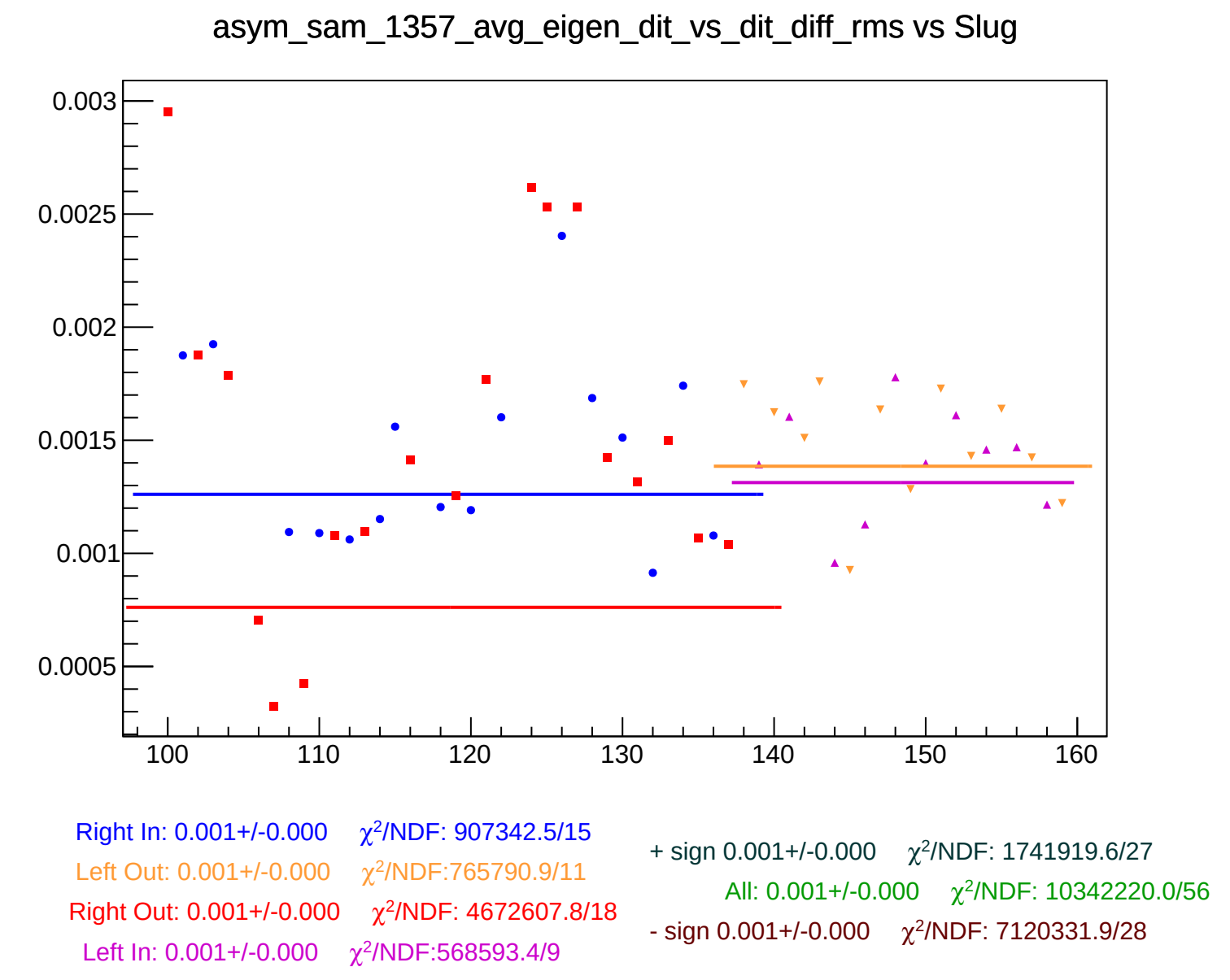
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

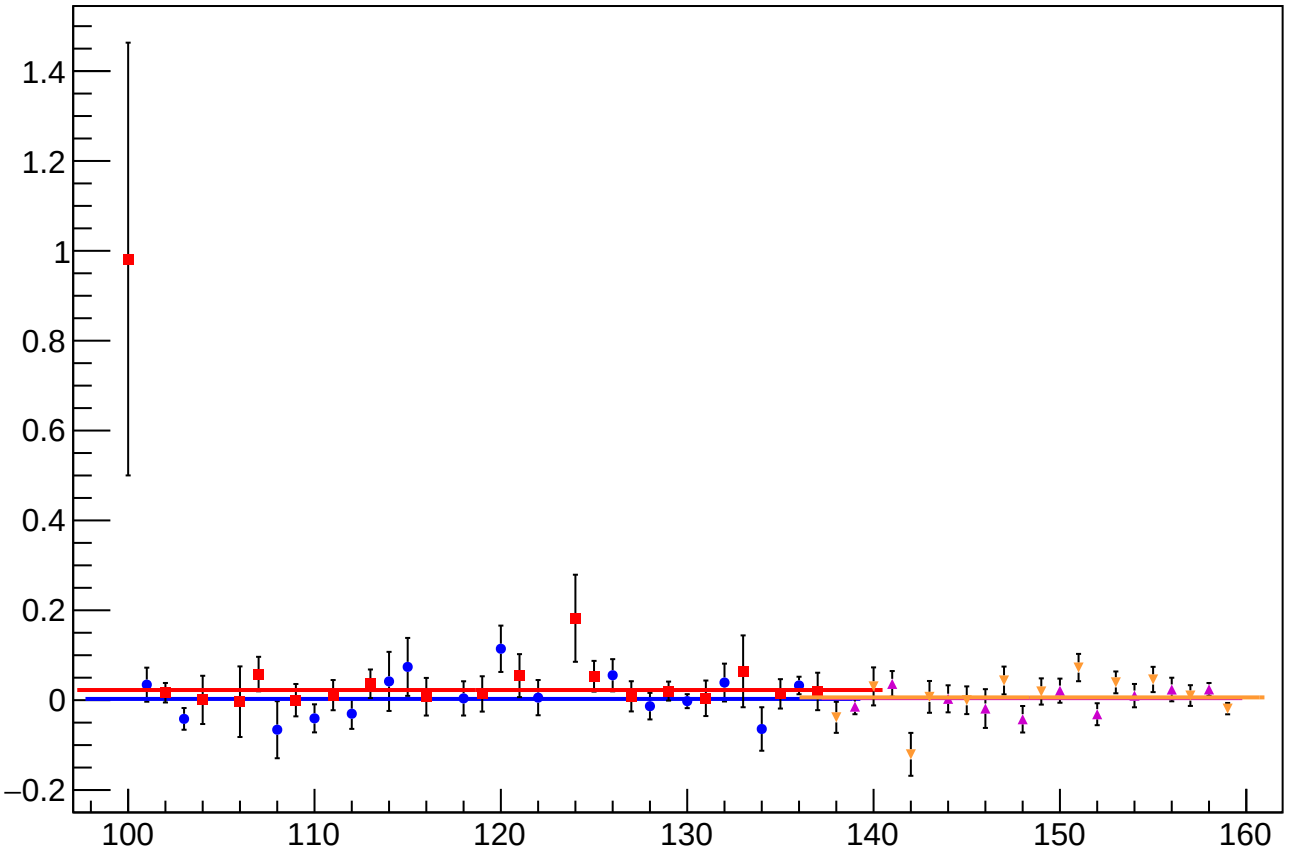
Left In: -0.000+/-0.000 χ^2/NDF:7.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 60.3/27

All: 0.000+/-0.000 χ^2/NDF: 84.8/56

- sign 0.000+/-0.000 χ^2/NDF: 24.5/28


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:568593.4/9
+ sign 0.001+/-0.000 χ²/NDF: 1741919.6/27
All: 0.001+/-0.000 χ²/NDF: 10342220.0/56
- sign 0.001+/-0.000 χ²/NDF: 7120331.9/28



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

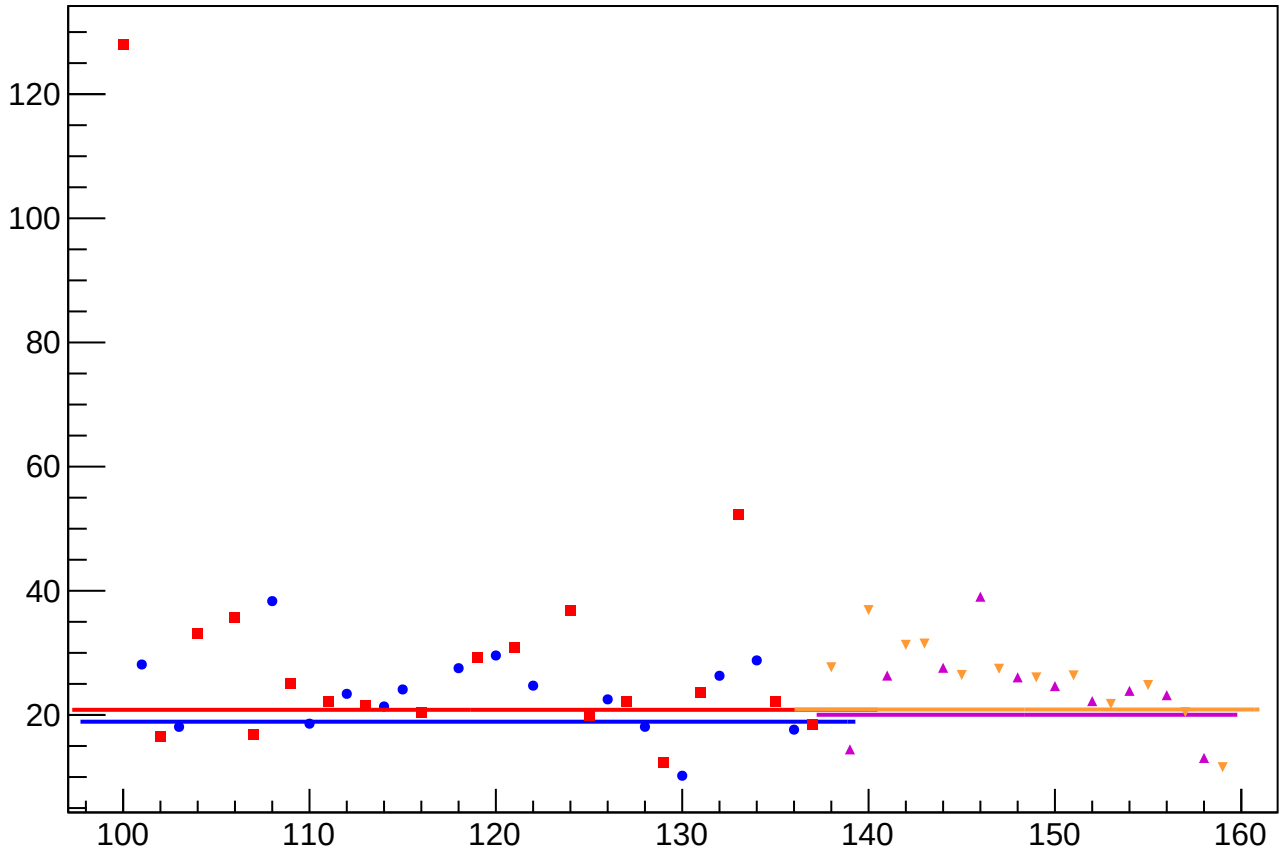
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.007 χ^2/NDF:10.3/9

+ sign 0.005+/-0.005 χ^2/NDF: 45.4/27

All: 0.008+/-0.004 χ^2/NDF: 70.1/56

- sign 0.012+/-0.006 χ^2/NDF: 23.6/28



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

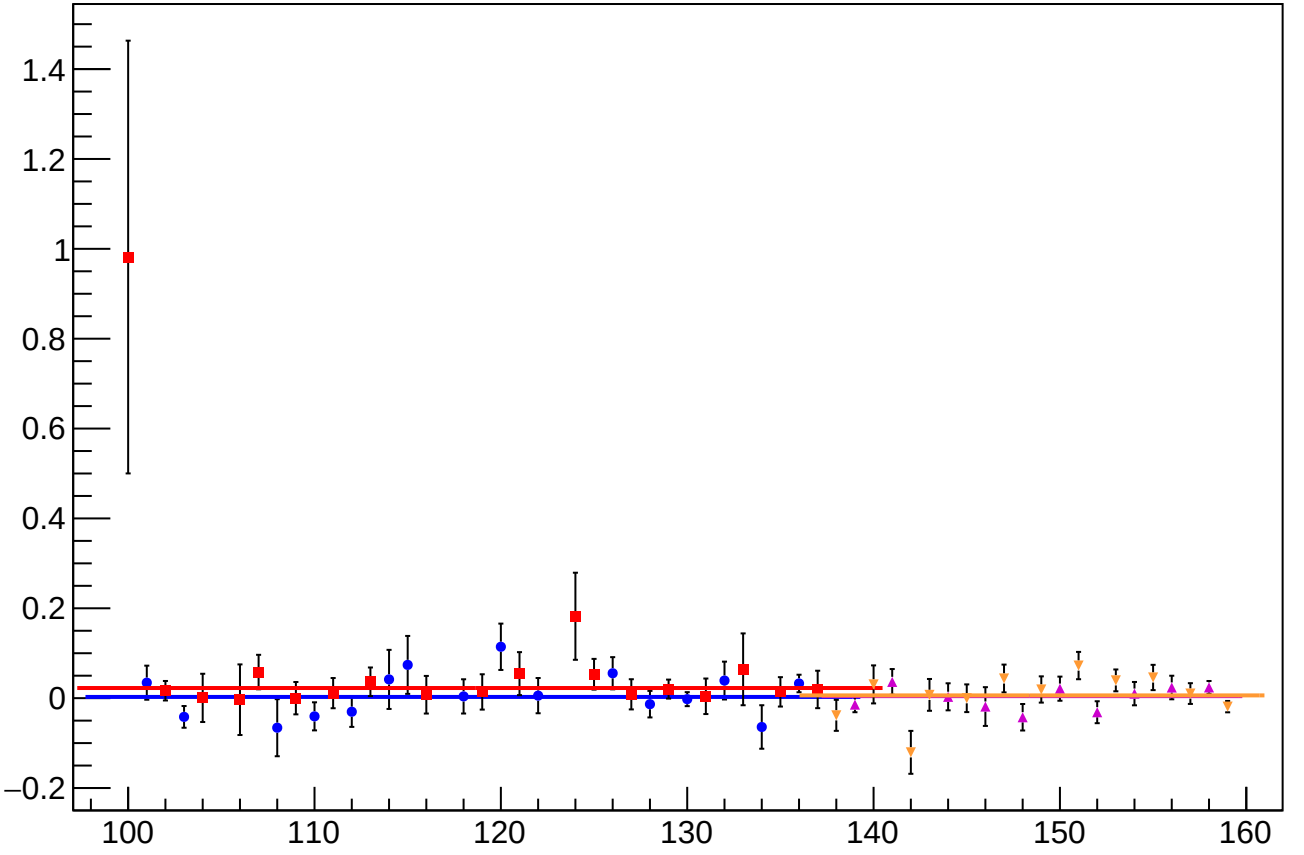
Left In: 20.029+/-0.005 χ^2/NDF:1537306.2/9

+ sign 19.942+/-0.004 χ^2/NDF: 3500698.0/27

All: 20.151+/-0.003 χ^2/NDF: 6345908.1/56

- sign 20.373+/-0.004 χ^2/NDF: 2838977.0/28

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

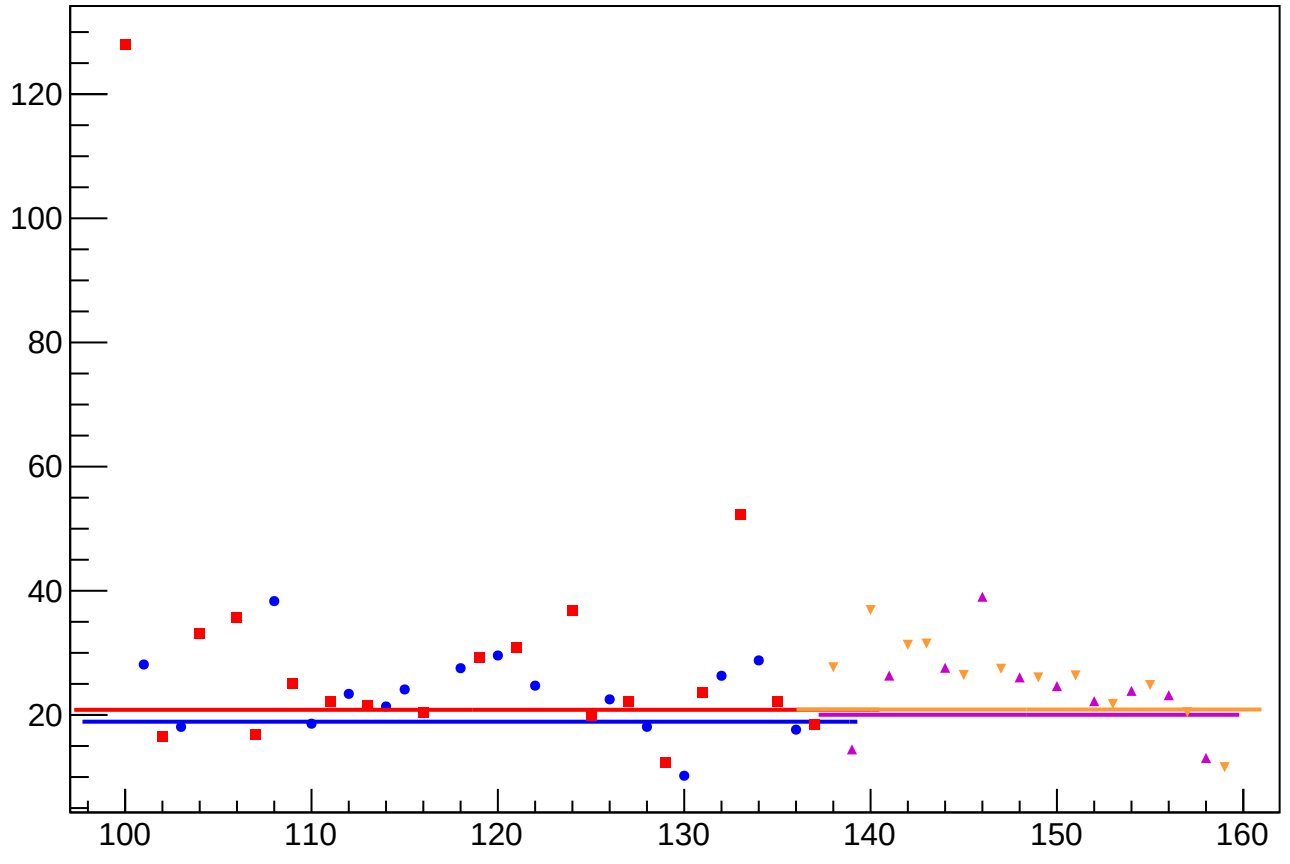
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.007 χ^2/NDF:10.3/9

+ sign 0.005+/-0.005 χ^2/NDF: 45.4/27

All: 0.008+/-0.004 χ^2/NDF: 70.1/56

- sign 0.012+/-0.006 χ^2/NDF: 23.6/28



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.877+/-0.005 χ^2/NDF:2043995.9/11

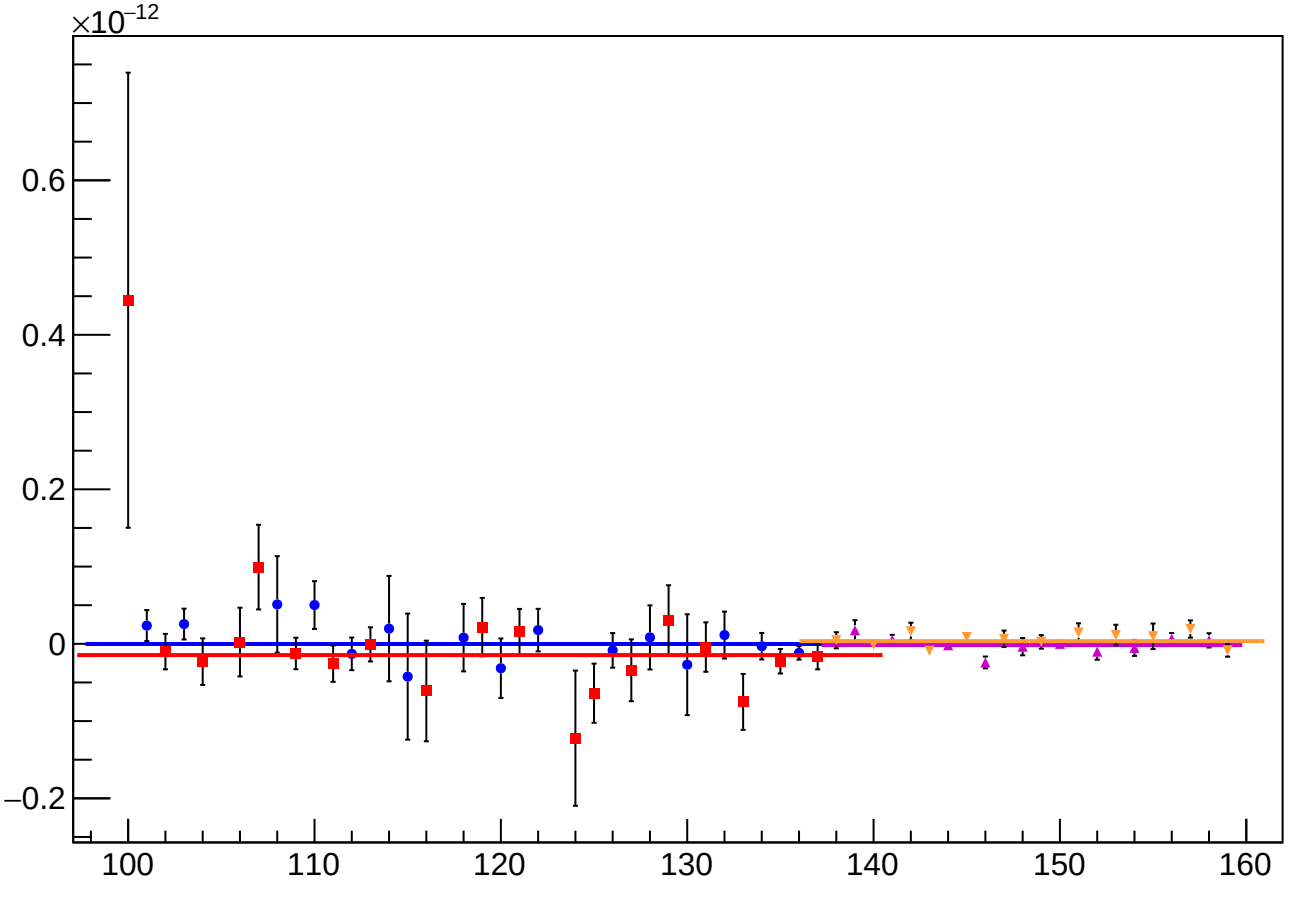
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.029+/-0.005 χ^2/NDF:1537306.2/9

+ sign 19.942+/-0.004 χ^2/NDF: 3500698.0/27

All: 20.151+/-0.003 χ^2/NDF: 6345908.1/56

- sign 20.373+/-0.004 χ^2/NDF: 2838977.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

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

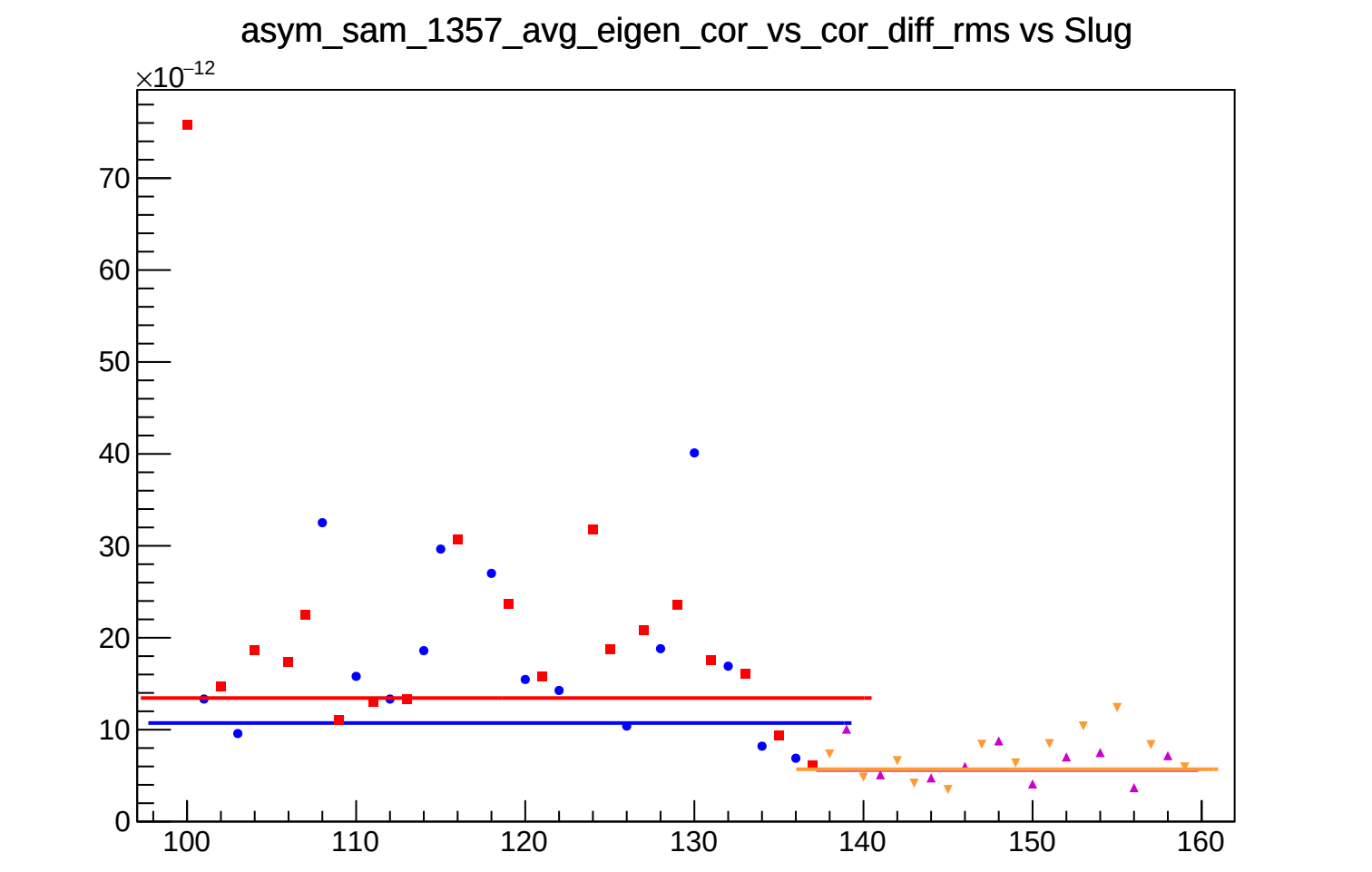
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/27

All: 0.000+/-0.000 χ^2/NDF: 62.1/56

- sign -0.000+/-0.000 χ^2/NDF: 35.4/28


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
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40
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20
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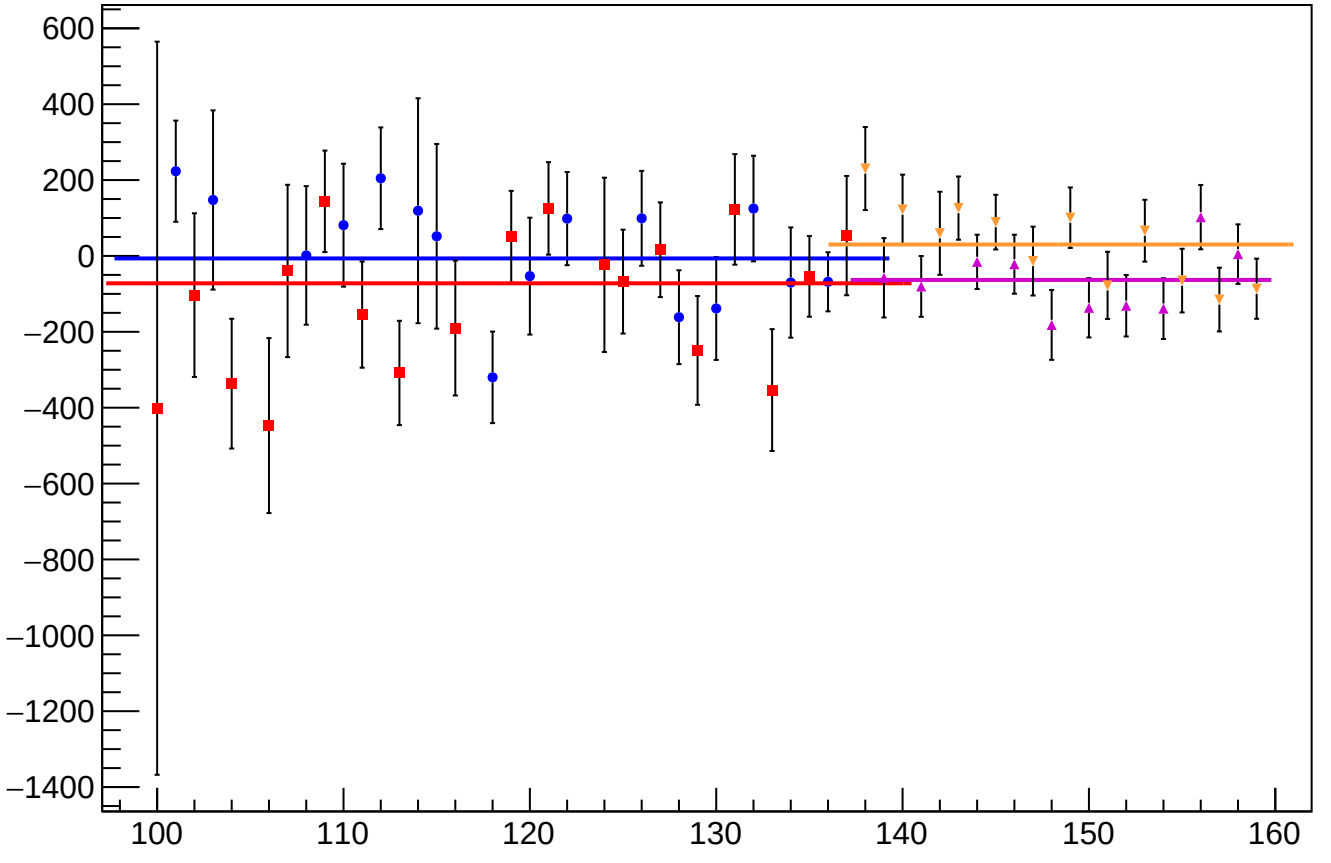
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1553089.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:857105.1/9
+ sign 0.000+/-0.000 χ²/NDF: 4746624.3/27
All: 0.000+/-0.000 χ²/NDF: 9501060.5/56
- sign 0.000+/-0.000 χ²/NDF: 4749696.7/28

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

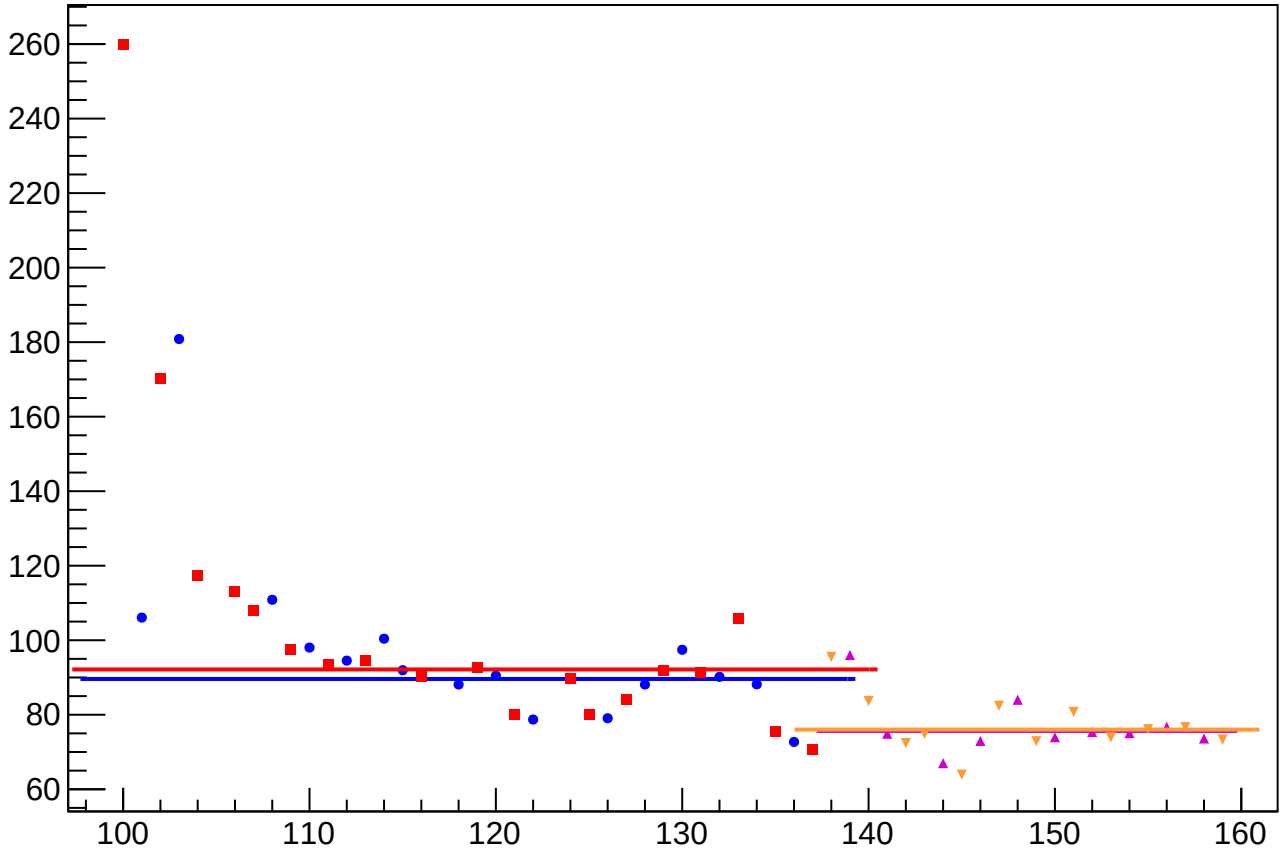
Left In: -63.259+/-25.824 χ^2/NDF:9.5/9

+ sign 17.544+/-20.116 χ^2/NDF: 35.2/27

All: -23.113+/-14.445 χ^2/NDF: 76.0/56

- sign -66.397+/-20.755 χ^2/NDF: 32.3/28

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

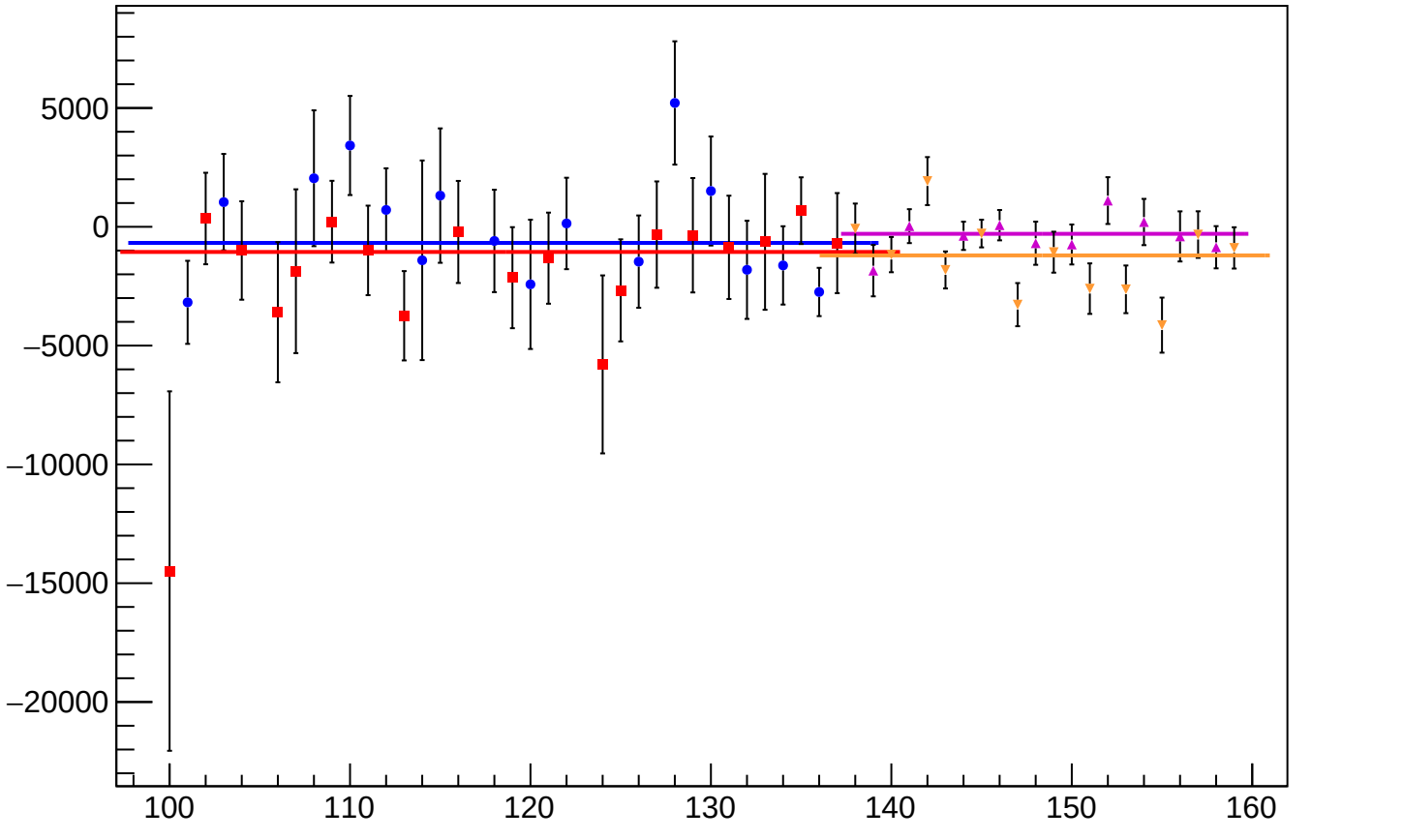
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

+ sign 80.693+/-0.014 χ^2/NDF: 863099.5/27

All: 81.084+/-0.010 χ^2/NDF: 1822932.5/56

- sign 81.500+/-0.015 χ^2/NDF: 958276.6/28



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

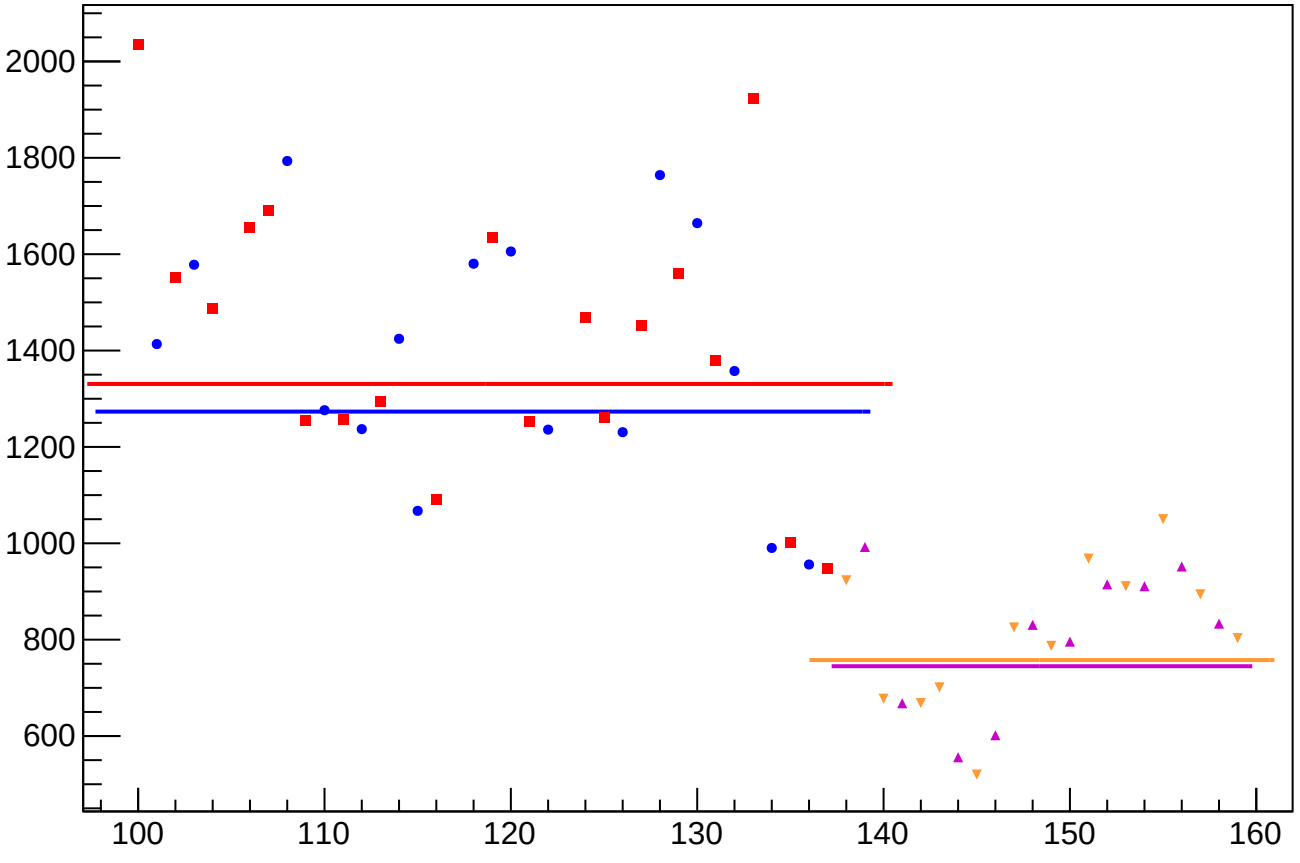
Left In: -295.406+/-258.385 χ^2/NDF:5.8/9

+ sign -1092.906+/-223.265 χ^2/NDF: 51.4/27

All: -783.846+/-159.926 χ^2/NDF: 74.4/56

- sign -458.164+/-229.190 χ^2/NDF: 19.1/28

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

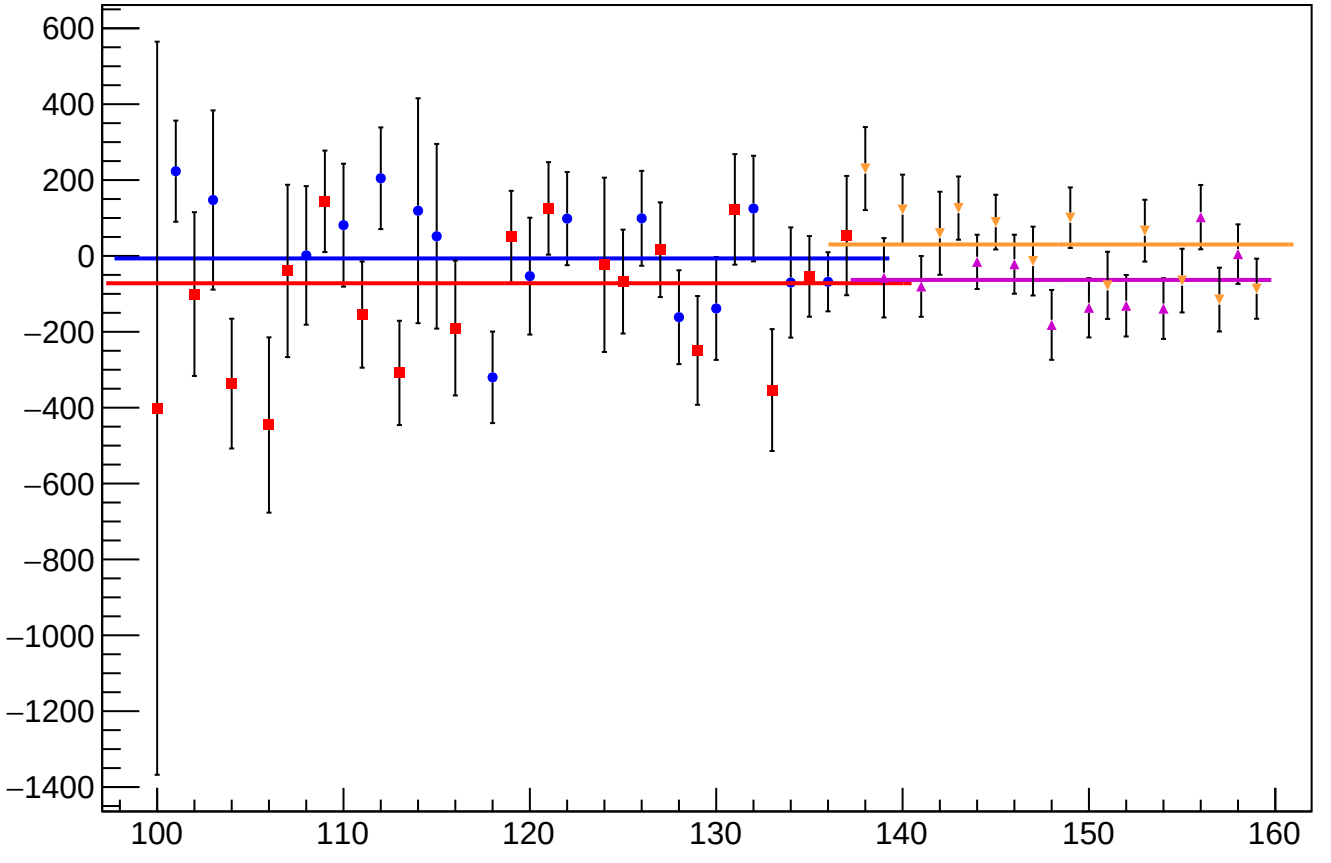
Left In: 744.905+/-0.183 χ^2/NDF:670408.5/9

+ sign 866.266+/-0.158 χ^2/NDF: 3113671.6/27

All: 867.987+/-0.113 χ^2/NDF: 6446708.8/56

- sign 869.801+/-0.162 χ^2/NDF: 3332793.1/28

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

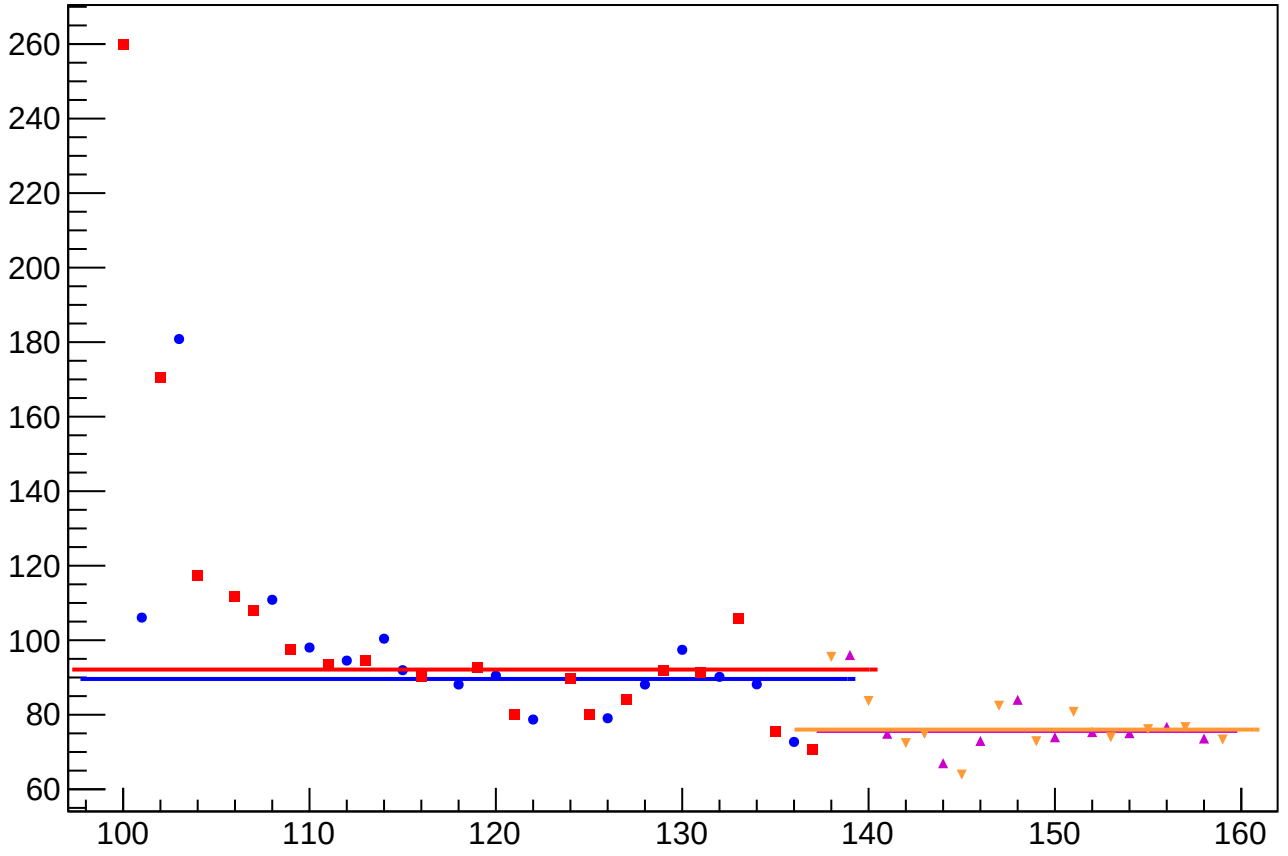
Left In: -63.261+/-25.824 χ^2/NDF:9.5/9

+ sign 17.543+/-20.116 χ^2/NDF: 35.2/27

All: -23.089+/-14.445 χ^2/NDF: 75.9/56

- sign -66.348+/-20.756 χ^2/NDF: 32.3/28

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

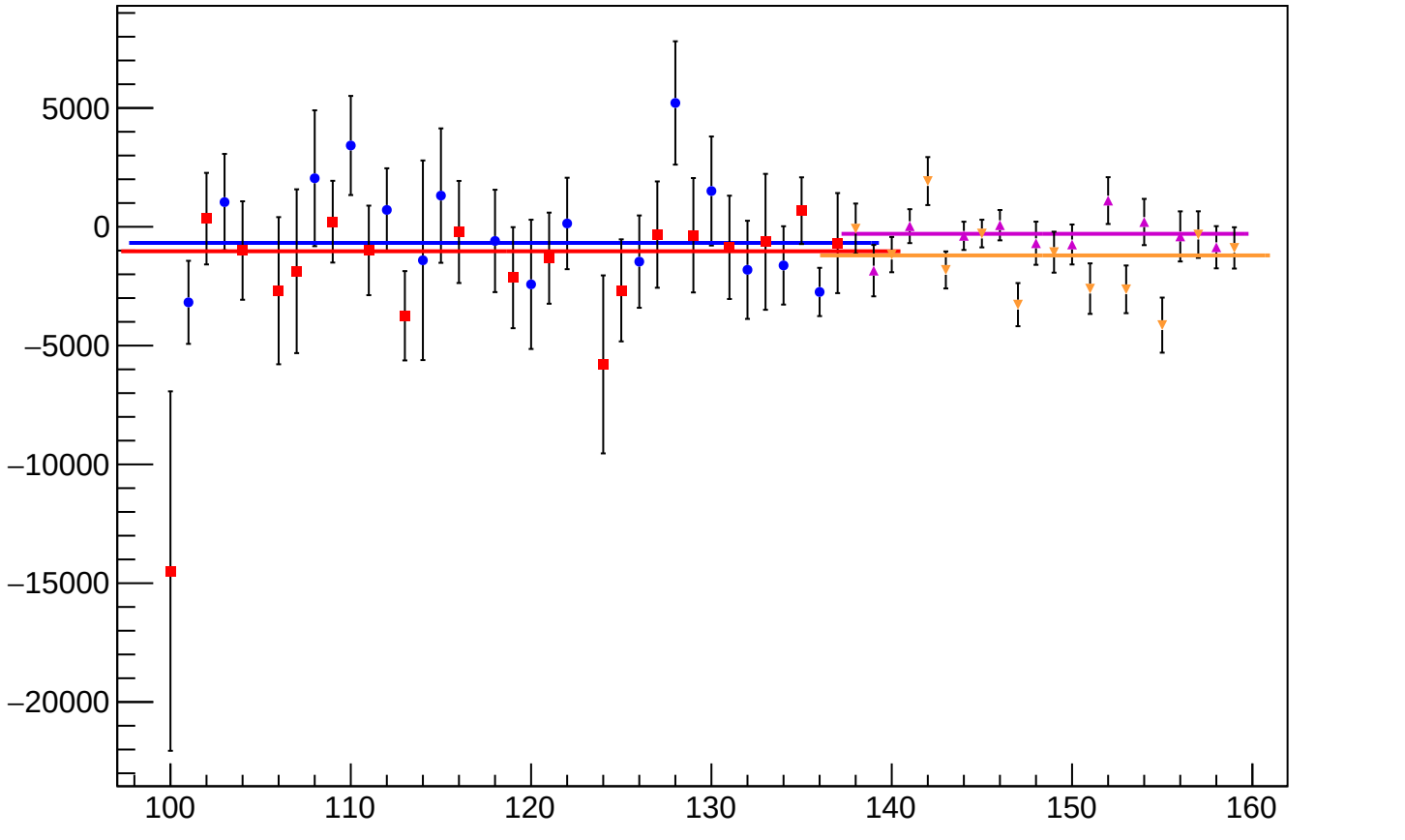
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

+ sign 80.693+/-0.014 χ^2/NDF: 863103.0/27

All: 81.078+/-0.010 χ^2/NDF: 1819991.8/56

- sign 81.488+/-0.015 χ^2/NDF: 955377.2/28



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

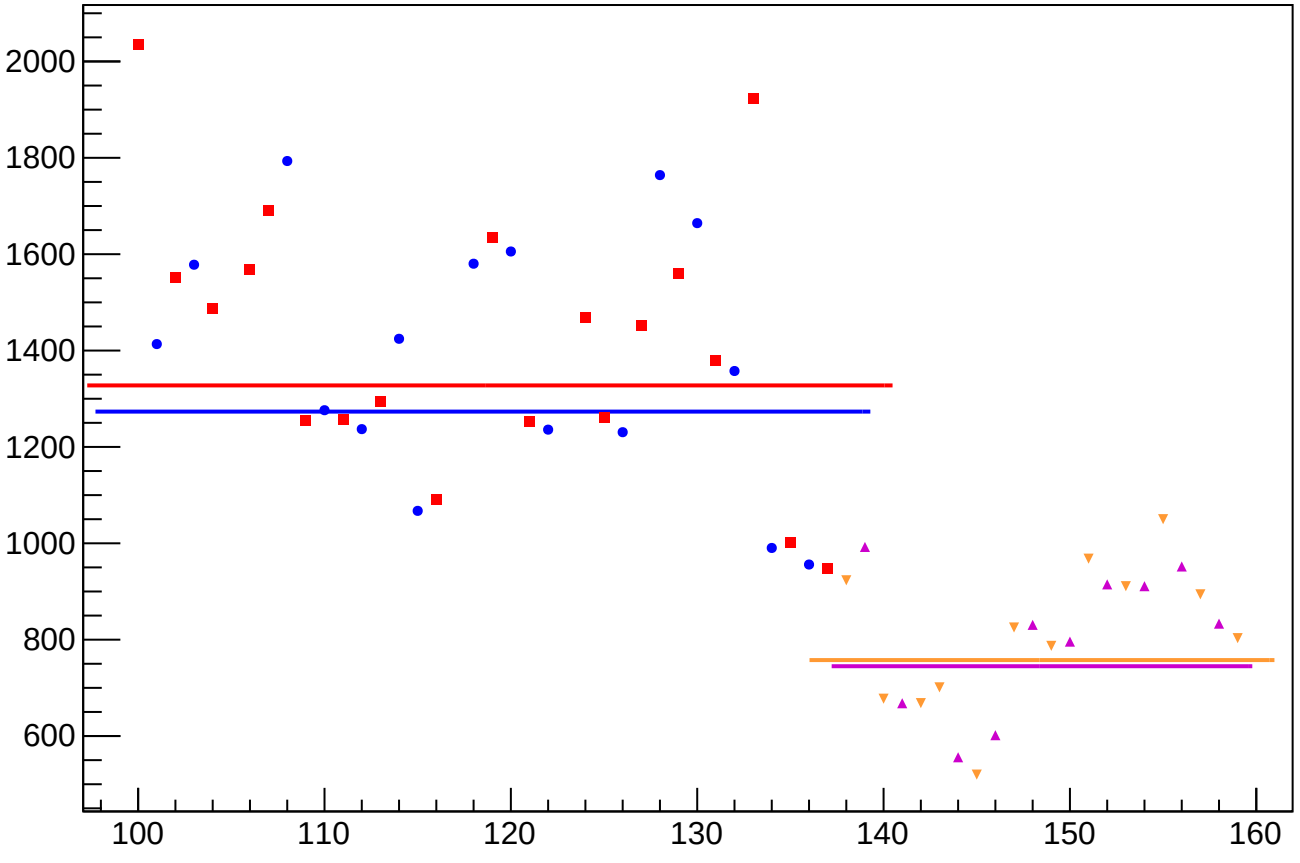
Left In: -295.411+/-258.385 χ^2/NDF:5.8/9

+ sign -1092.895+/-223.266 χ^2/NDF: 51.4/27

All: -780.724+/-159.948 χ^2/NDF: 73.9/56

- sign -451.576+/-229.256 χ^2/NDF: 18.5/28

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

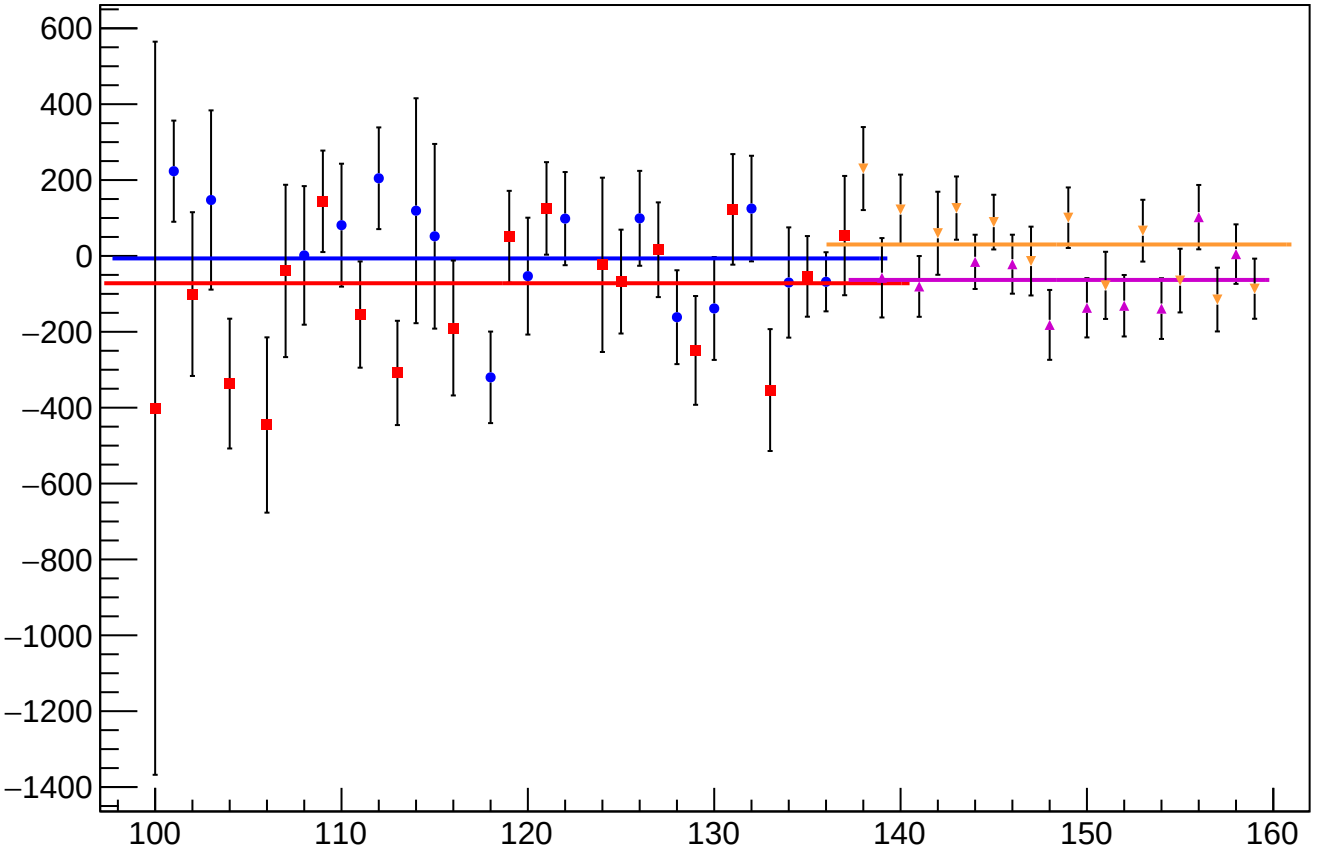
Left In: 744.905+/-0.183 χ^2/NDF:670406.3/9

+ sign 866.266+/-0.158 χ^2/NDF: 3113717.4/27

All: 867.545+/-0.113 χ^2/NDF: 6407275.4/56

- sign 868.894+/-0.162 χ^2/NDF: 3293423.1/28

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

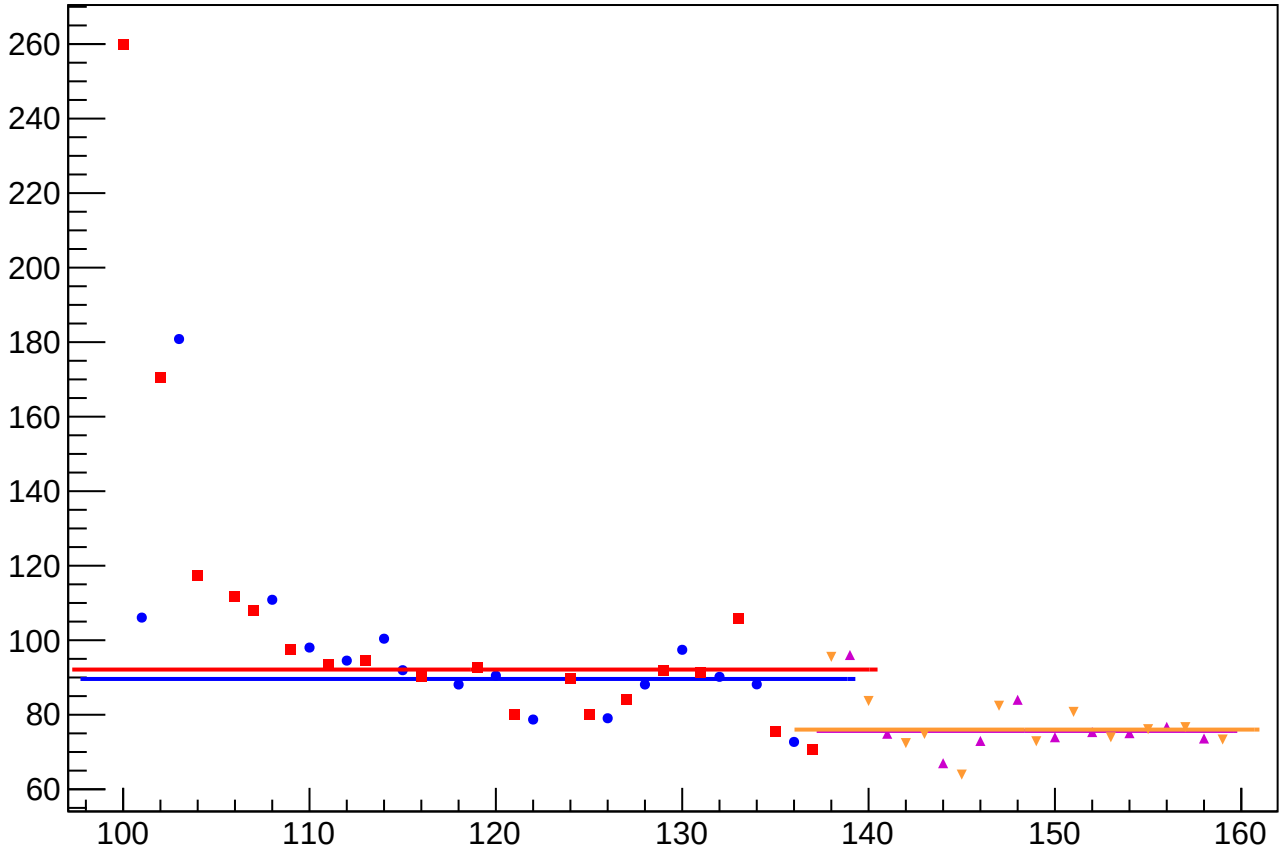
Left In: -63.261+/-25.824 χ^2/NDF:9.5/9

+ sign 17.543+/-20.116 χ^2/NDF: 35.2/27

All: -23.089+/-14.445 χ^2/NDF: 75.9/56

- sign -66.348+/-20.756 χ^2/NDF: 32.3/28

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

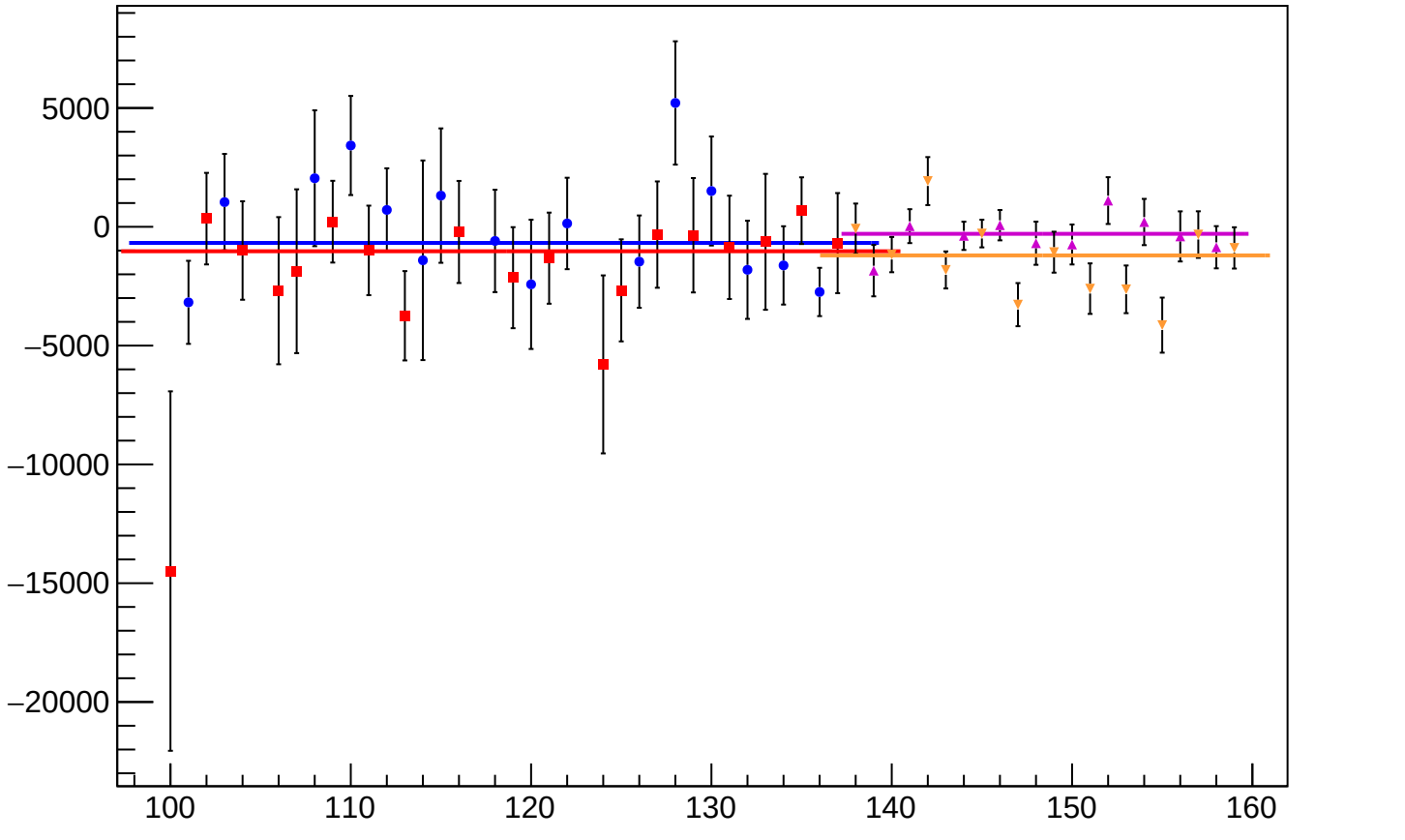
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.657+/-0.018 χ^2/NDF:126986.5/9

+ sign 80.693+/-0.014 χ^2/NDF: 863103.0/27

All: 81.078+/-0.010 χ^2/NDF: 1819991.8/56

- sign 81.488+/-0.015 χ^2/NDF: 955377.2/28



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1203.774+/-251.293 χ^2/NDF:30.2/11

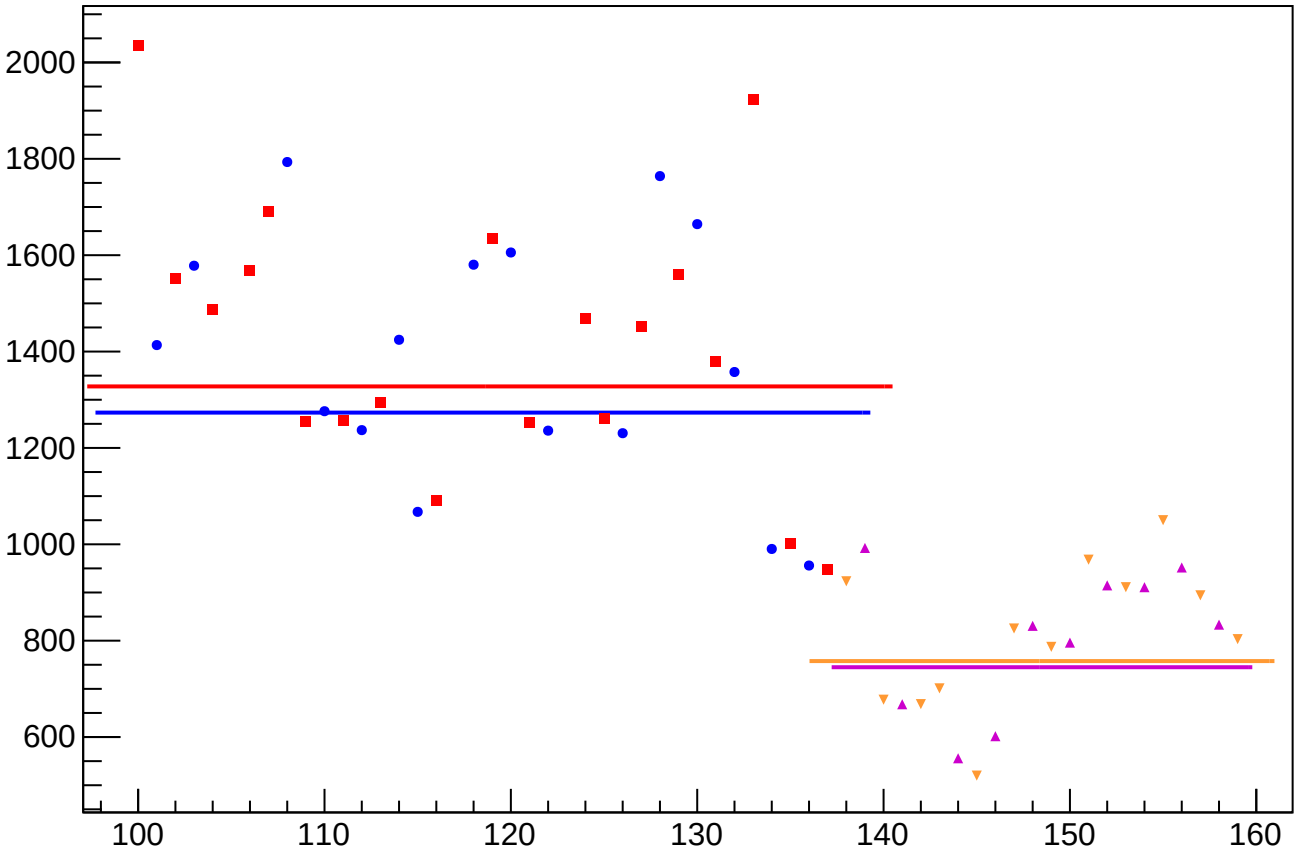
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -295.411+/-258.385 χ^2/NDF:5.8/9

+ sign -1092.895+/-223.266 χ^2/NDF: 51.4/27

All: -780.724+/-159.948 χ^2/NDF: 73.9/56

- sign -451.576+/-229.256 χ^2/NDF: 18.5/28



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

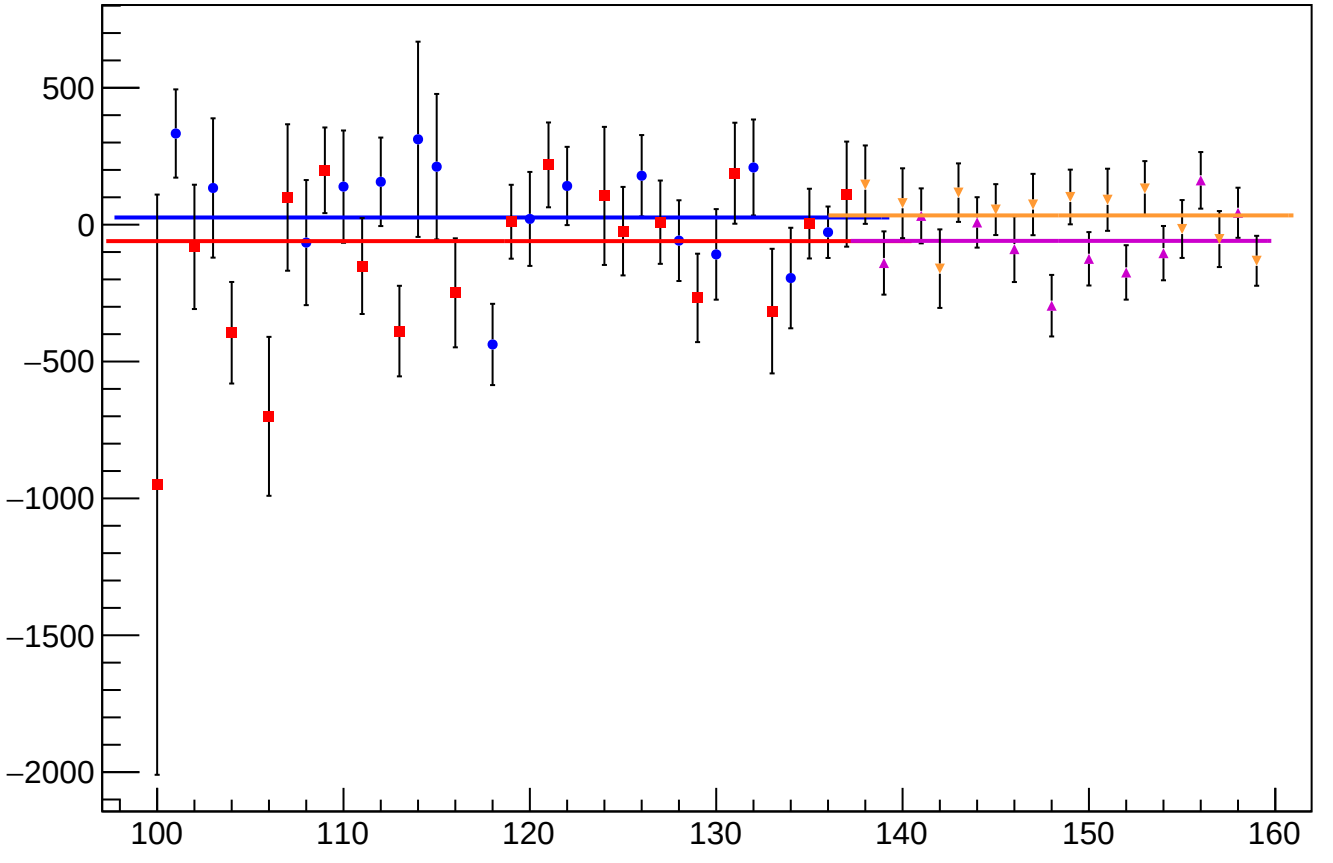
Left In: 744.905+/-0.183 χ^2/NDF:670406.3/9

\+ sign 866.266+/-0.158 χ^2/NDF: 3113717.4/27

All: 867.545+/-0.113 χ^2/NDF: 6407275.4/56

\- sign 868.894+/-0.162 χ^2/NDF: 3293423.1/28

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

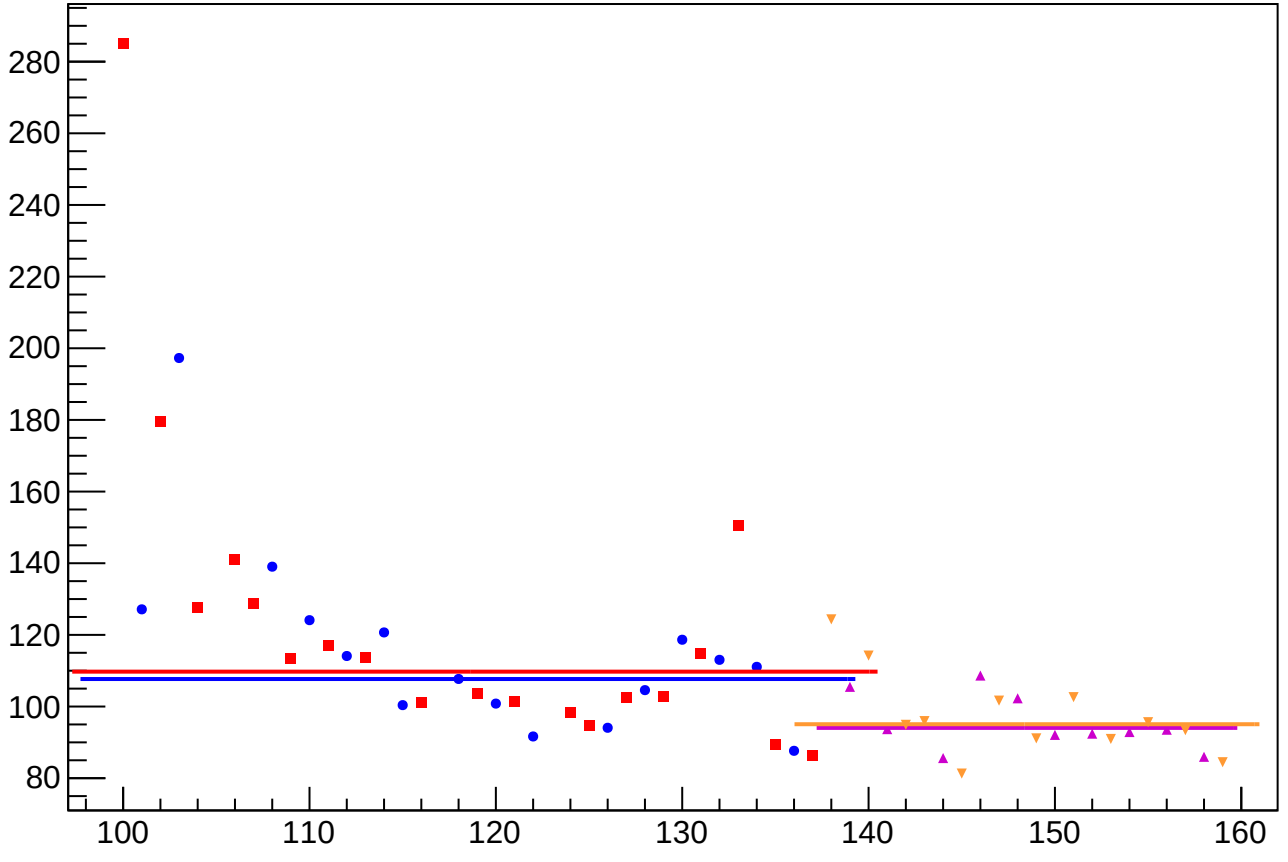
Left In: -59.245+/-32.262 χ^2/NDF:14.2/9

+ sign 31.065+/-24.900 χ^2/NDF: 30.7/27

All: -13.215+/-17.807 χ^2/NDF: 78.3/56

- sign -59.574+/-25.477 χ^2/NDF: 41.2/28

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

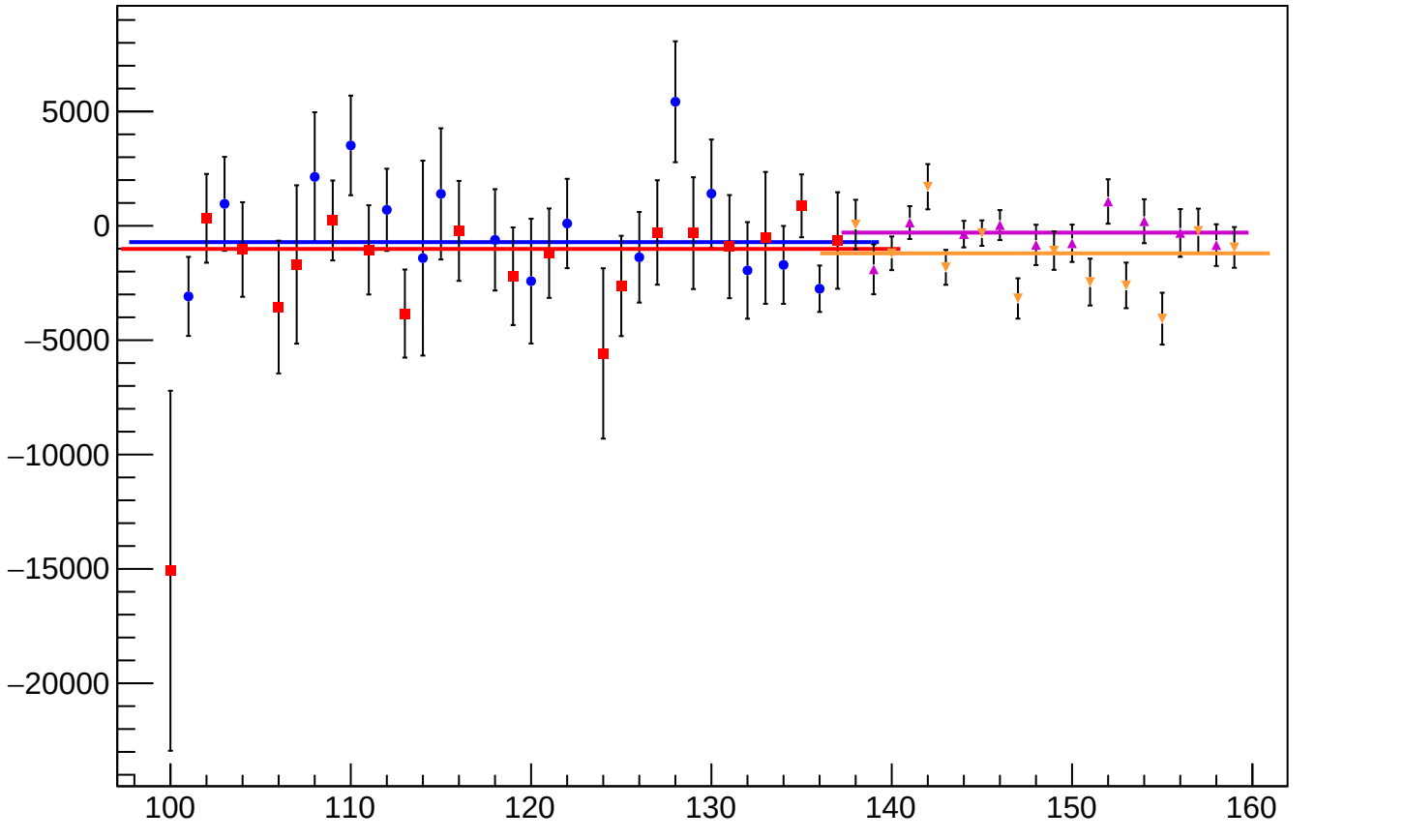
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.039+/-0.023 χ^2/NDF:93812.7/9

+ sign 99.667+/-0.018 χ^2/NDF: 824683.7/27

All: 99.805+/-0.013 χ^2/NDF: 1588670.6/56

- sign 99.949+/-0.018 χ^2/NDF: 763862.3/28



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1202.322+/-246.824 χ^2/NDF:29.1/11

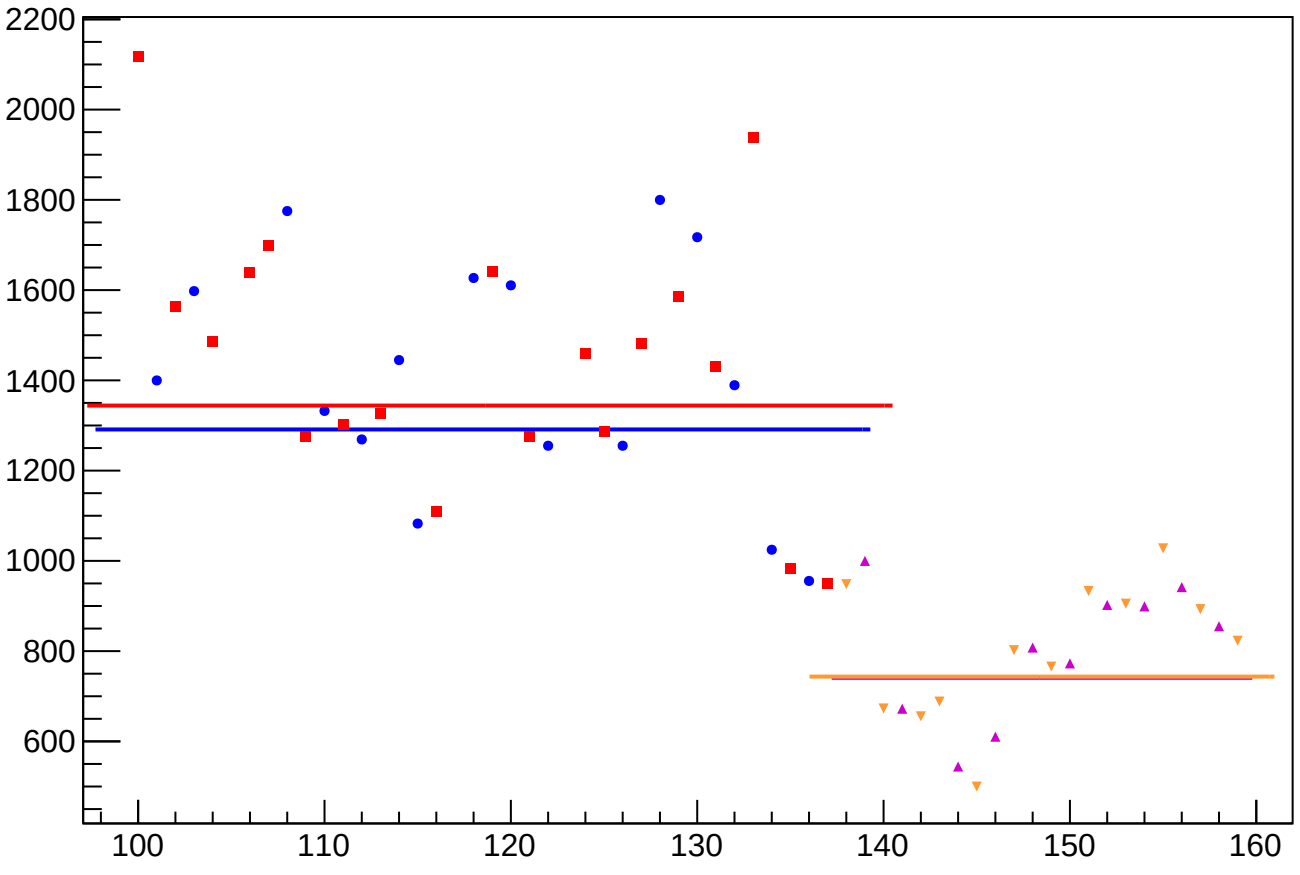
Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: -297.090+/-257.134 χ^2/NDF:6.1/9

+ sign -1104.309+/-220.731 χ^2/NDF: 50.0/27

All: -786.806+/-158.856 χ^2/NDF: 73.8/56

- sign -445.669+/-228.799 χ^2/NDF: 19.5/28



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

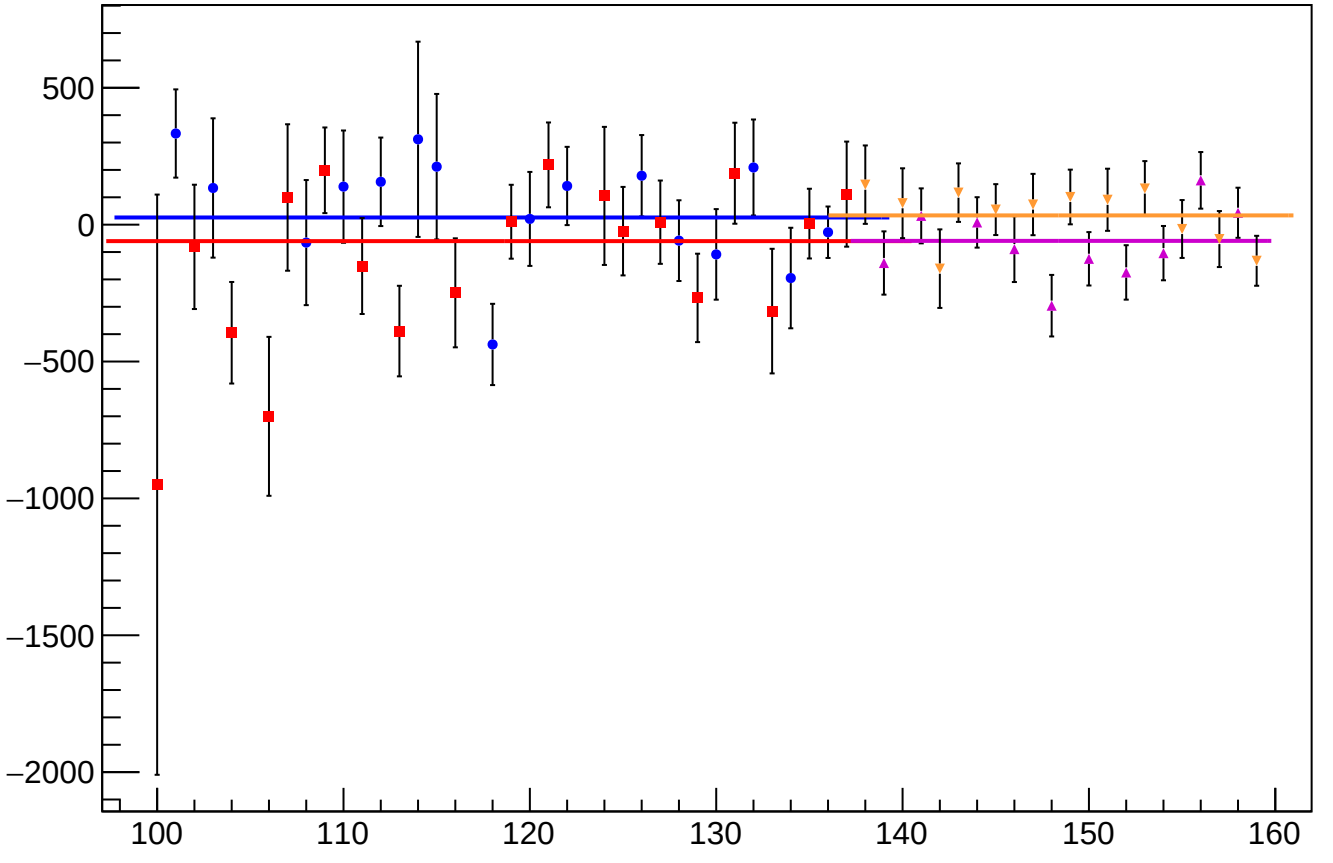
Left In: 740.820+/-0.182 χ^2/NDF:669346.8/9

+ sign 853.246+/-0.156 χ^2/NDF: 3402098.0/27

All: 859.614+/-0.112 χ^2/NDF: 6858623.6/56

- sign 866.456+/-0.162 χ^2/NDF: 3453072.2/28

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

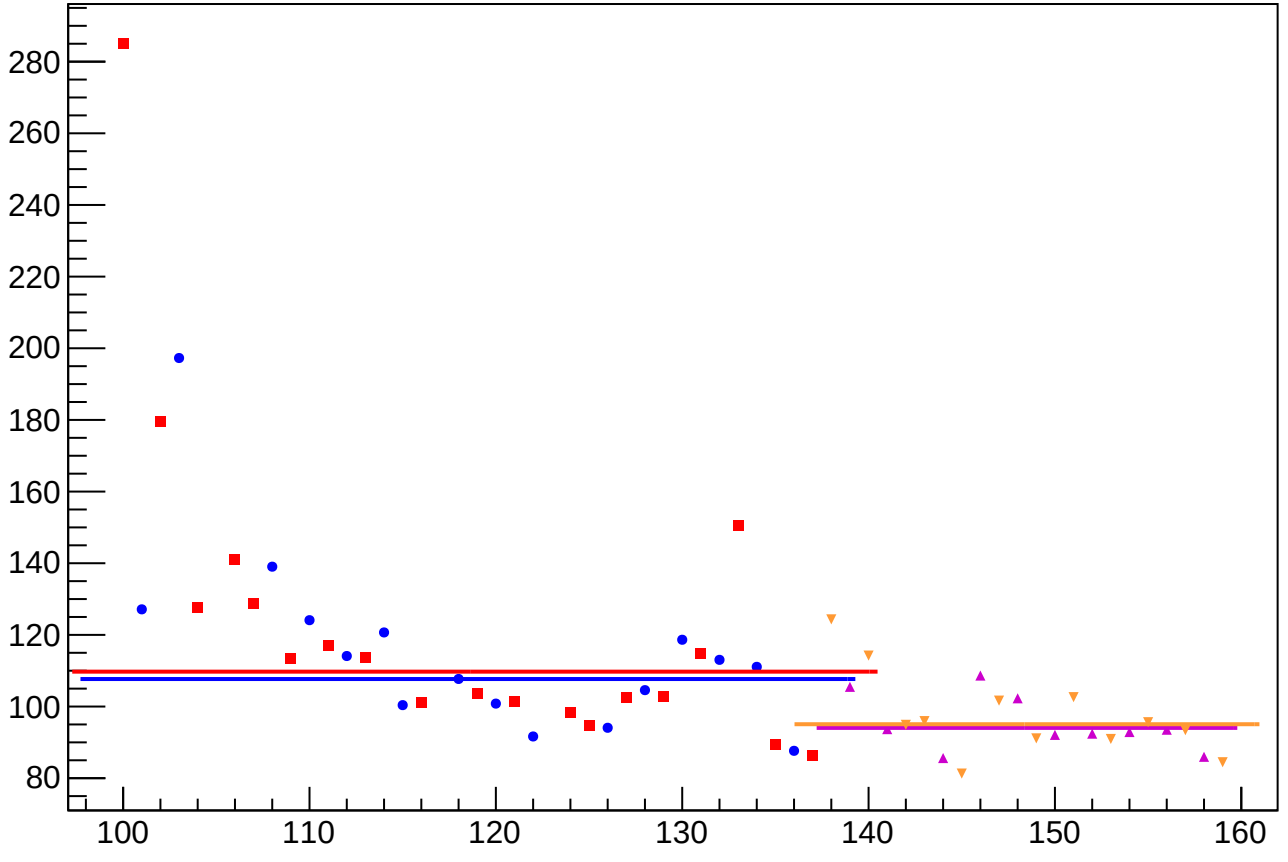
Left In: -59.244+/-32.262 χ^2/NDF:14.2/9

+ sign 31.066+/-24.900 χ^2/NDF: 30.7/27

All: -13.214+/-17.807 χ^2/NDF: 78.3/56

- sign -59.573+/-25.477 χ^2/NDF: 41.2/28

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

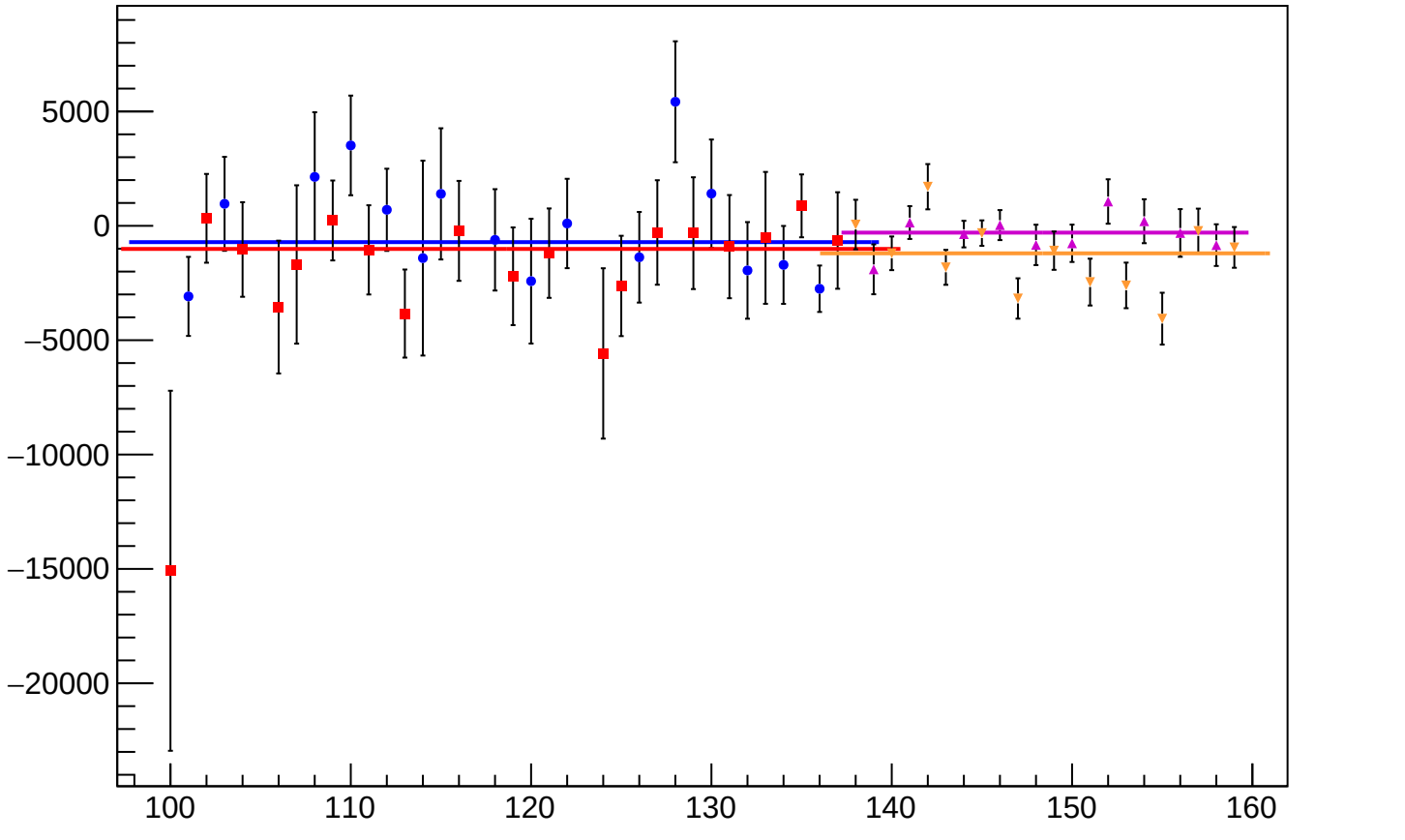
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.040+/-0.023 χ^2/NDF:93813.3/9

+ sign 99.667+/-0.018 χ^2/NDF: 824641.8/27

All: 99.805+/-0.013 χ^2/NDF: 1588605.5/56

- sign 99.949+/-0.018 χ^2/NDF: 763839.2/28



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

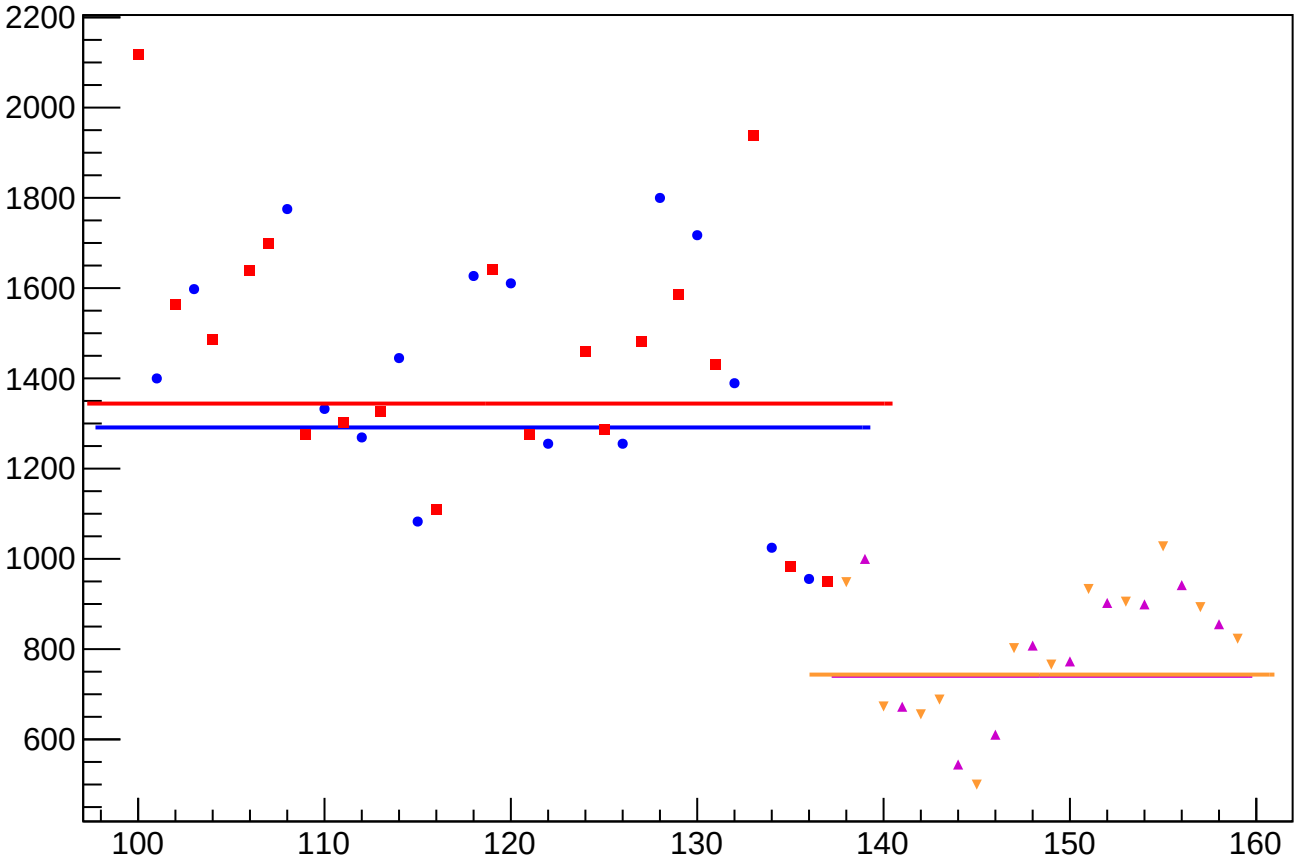
Left In: -297.089+/-257.134 χ^2/NDF:6.1/9

+ sign -1104.306+/-220.731 χ^2/NDF: 50.0/27

All: -786.804+/-158.856 χ^2/NDF: 73.8/56

- sign -445.669+/-228.798 χ^2/NDF: 19.5/28

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



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

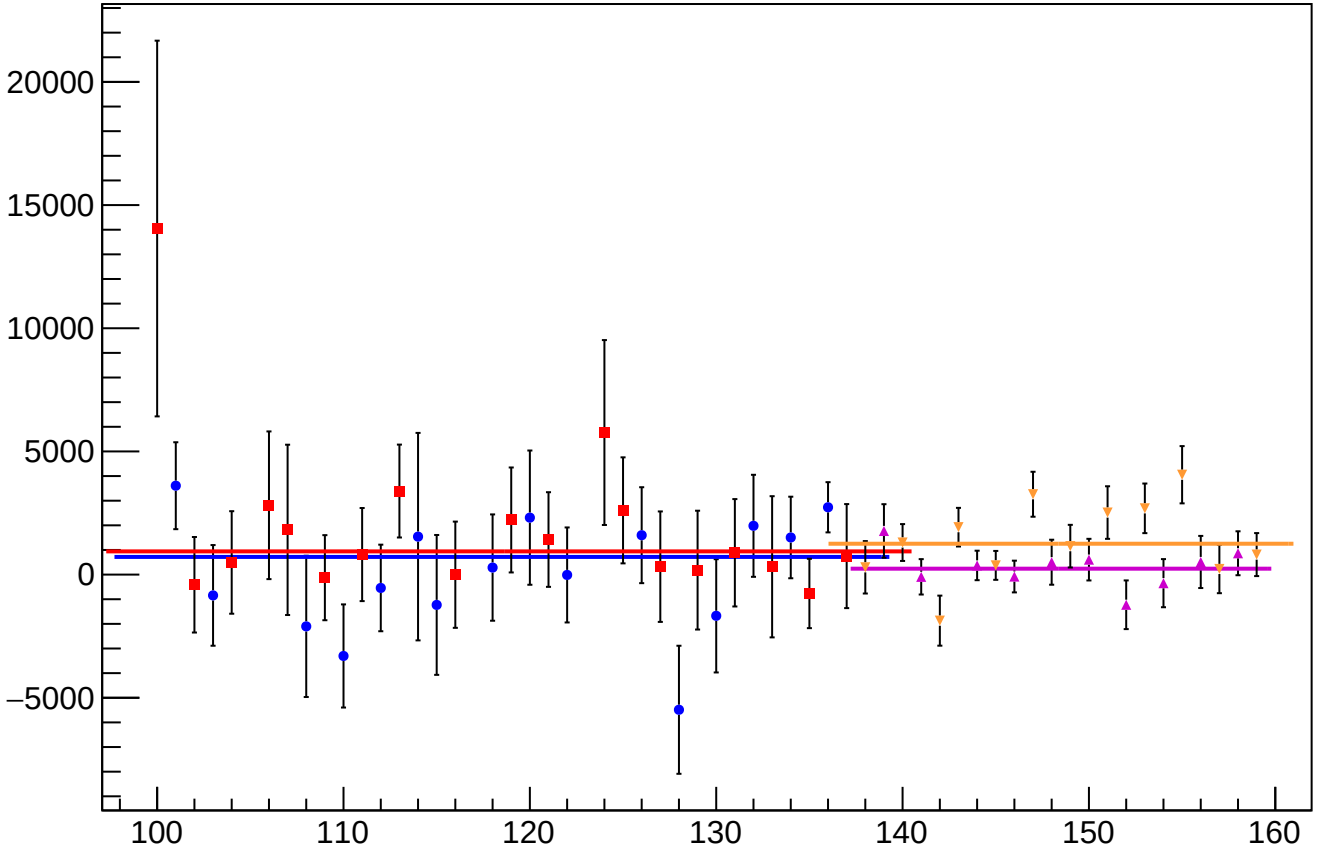
Left In: 740.819+/-0.182 χ^2/NDF:669347.1/9

+ sign 853.244+/-0.156 χ^2/NDF: 3402103.0/27

All: 859.613+/-0.112 χ^2/NDF: 6858622.3/56

- sign 866.455+/-0.162 χ^2/NDF: 3453065.6/28

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

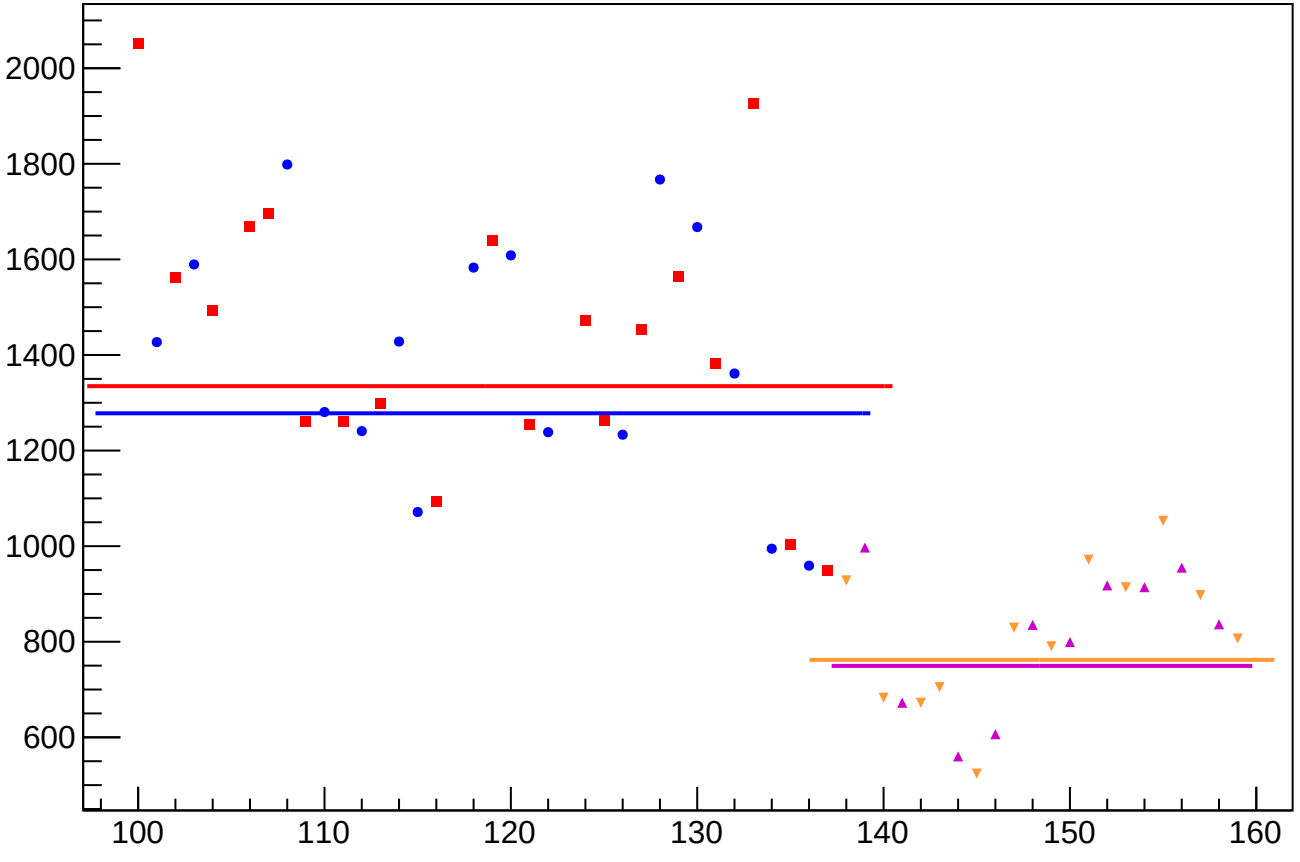
Left In: 240.012+/-259.854 χ^2/NDF:5.9/9

+ sign 1140.005+/-224.416 χ^2/NDF: 50.6/27

All: 774.978+/-160.754 χ^2/NDF: 74.1/56

- sign 390.281+/-230.382 χ^2/NDF: 18.0/28

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

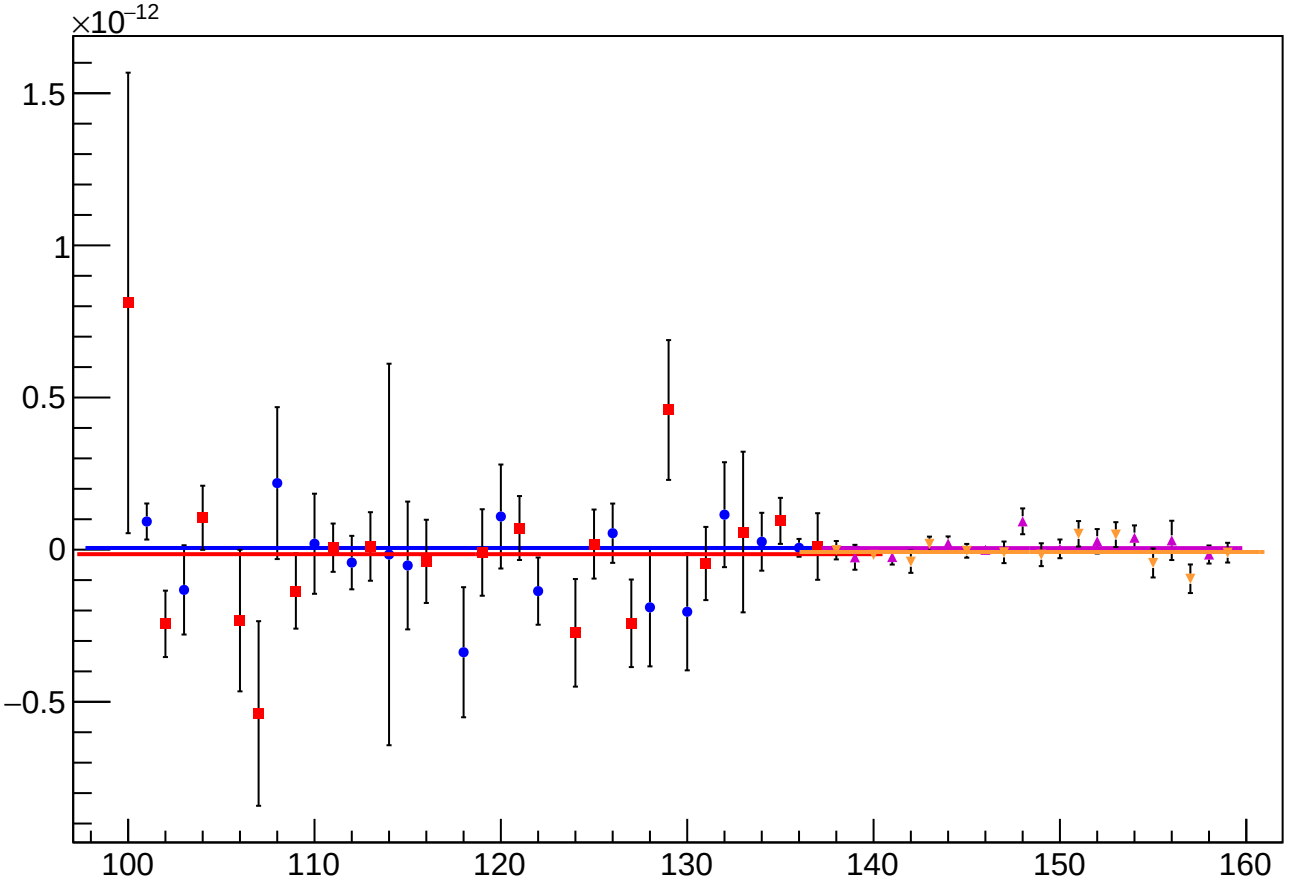
Left In: 749.395+/-0.184 χ^2/NDF:659724.3/9

+ sign 871.100+/-0.159 χ^2/NDF: 3089540.8/27

All: 872.827+/-0.114 χ^2/NDF: 6393092.8/56

- sign 874.648+/-0.163 χ^2/NDF: 3303308.6/28

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/11

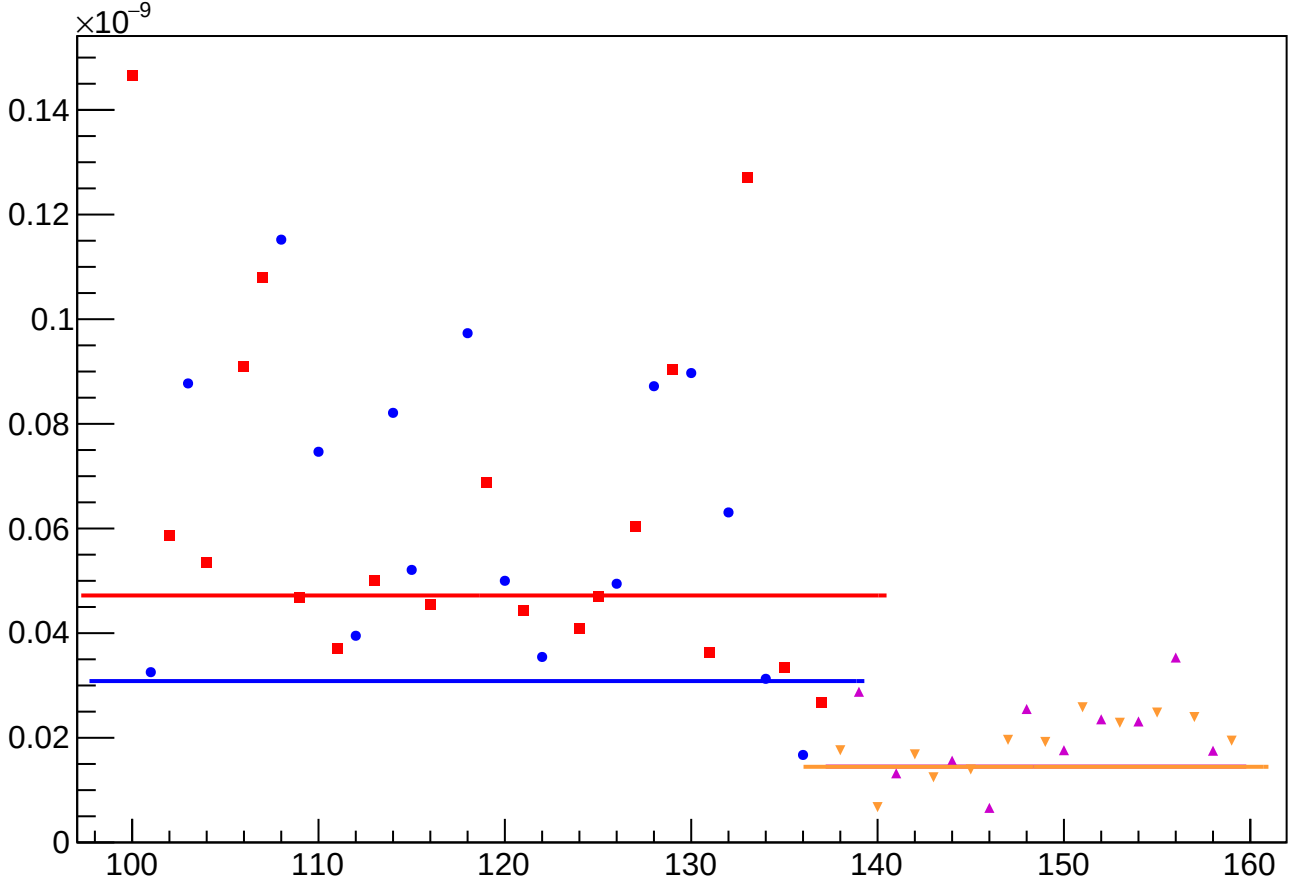
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/9

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/27

All: -0.000+/-0.000 χ^2/NDF: 55.9/56

- sign 0.000+/-0.000 χ^2/NDF: 32.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1089003.6/11

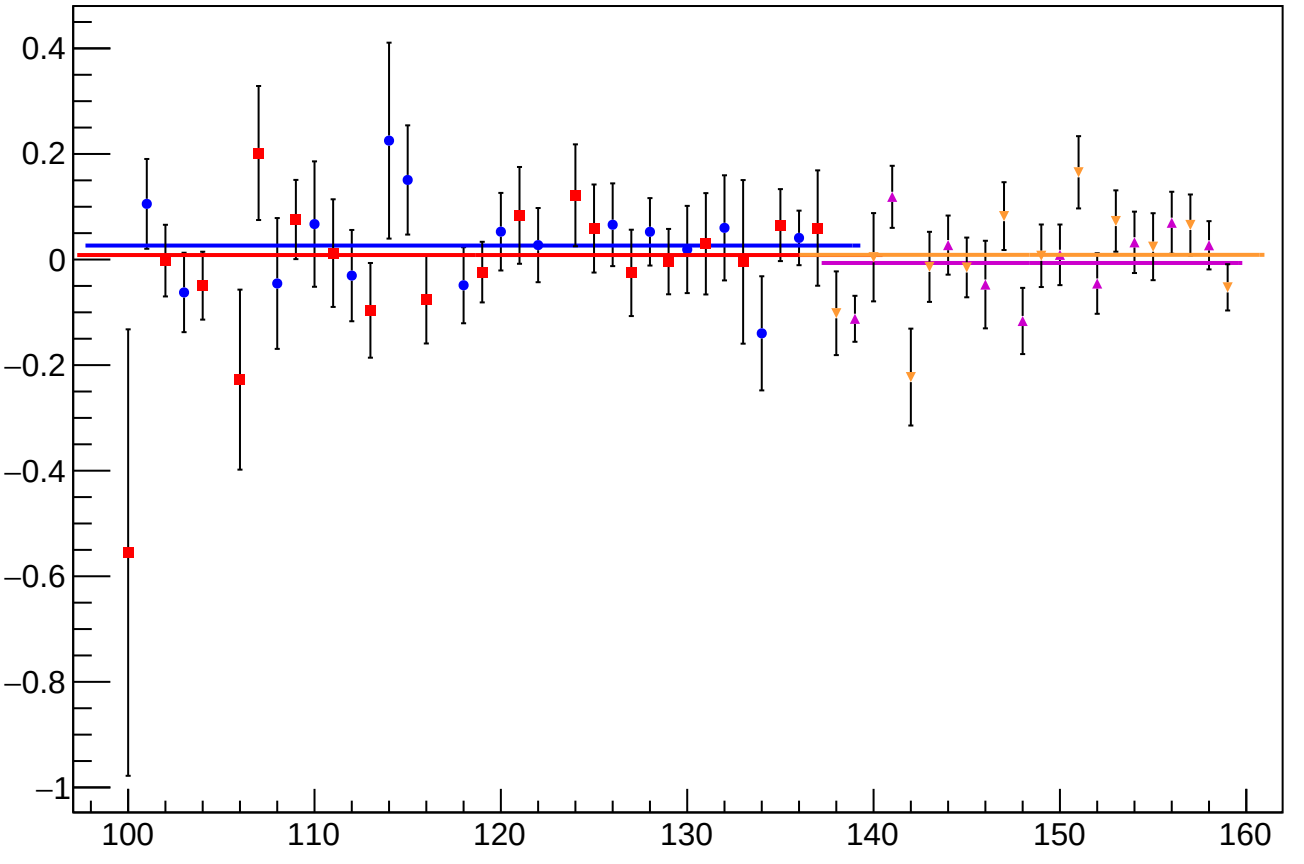
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1419382.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 4005695.9/27

All: 0.000+/-0.000 χ^2/NDF: 8541702.3/56

- sign 0.000+/-0.000 χ^2/NDF: 4528120.1/28



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.009+/-0.018 χ^2/NDF:19.3/11

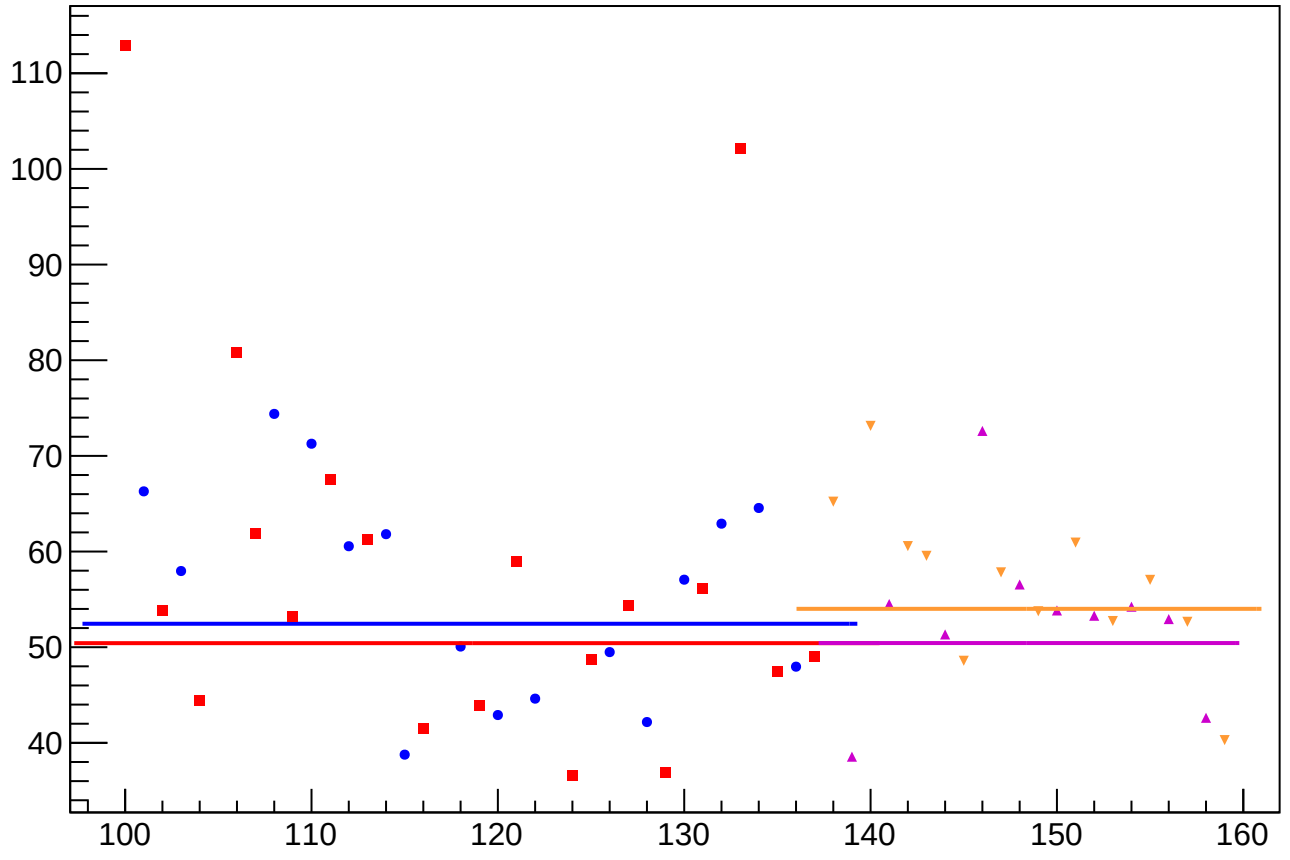
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.018 χ^2/NDF:17.3/9

+ sign 0.017+/-0.014 χ^2/NDF: 29.7/27

All: 0.008+/-0.009 χ^2/NDF: 62.0/56

- sign 0.000+/-0.013 χ^2/NDF: 31.6/28



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.011+/-0.013 χ^2/NDF:417666.7/11

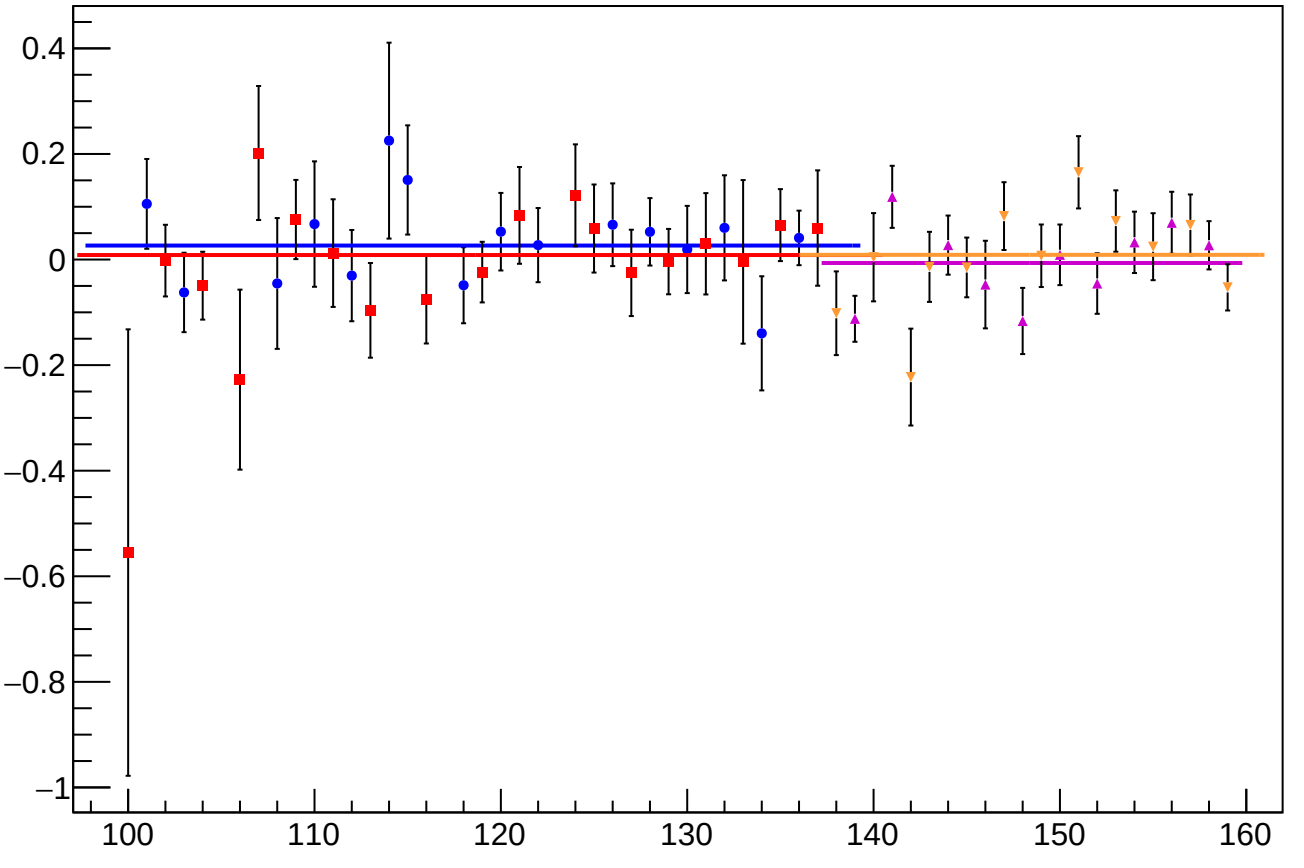
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.434+/-0.012 χ^2/NDF:403508.7/9

+ sign 53.326+/-0.010 χ^2/NDF: 842245.2/27

All: 51.830+/-0.007 χ^2/NDF: 1969915.6/56

- sign 50.429+/-0.009 χ^2/NDF: 1080256.3/28



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.009+/-0.018 χ^2/NDF:19.3/11

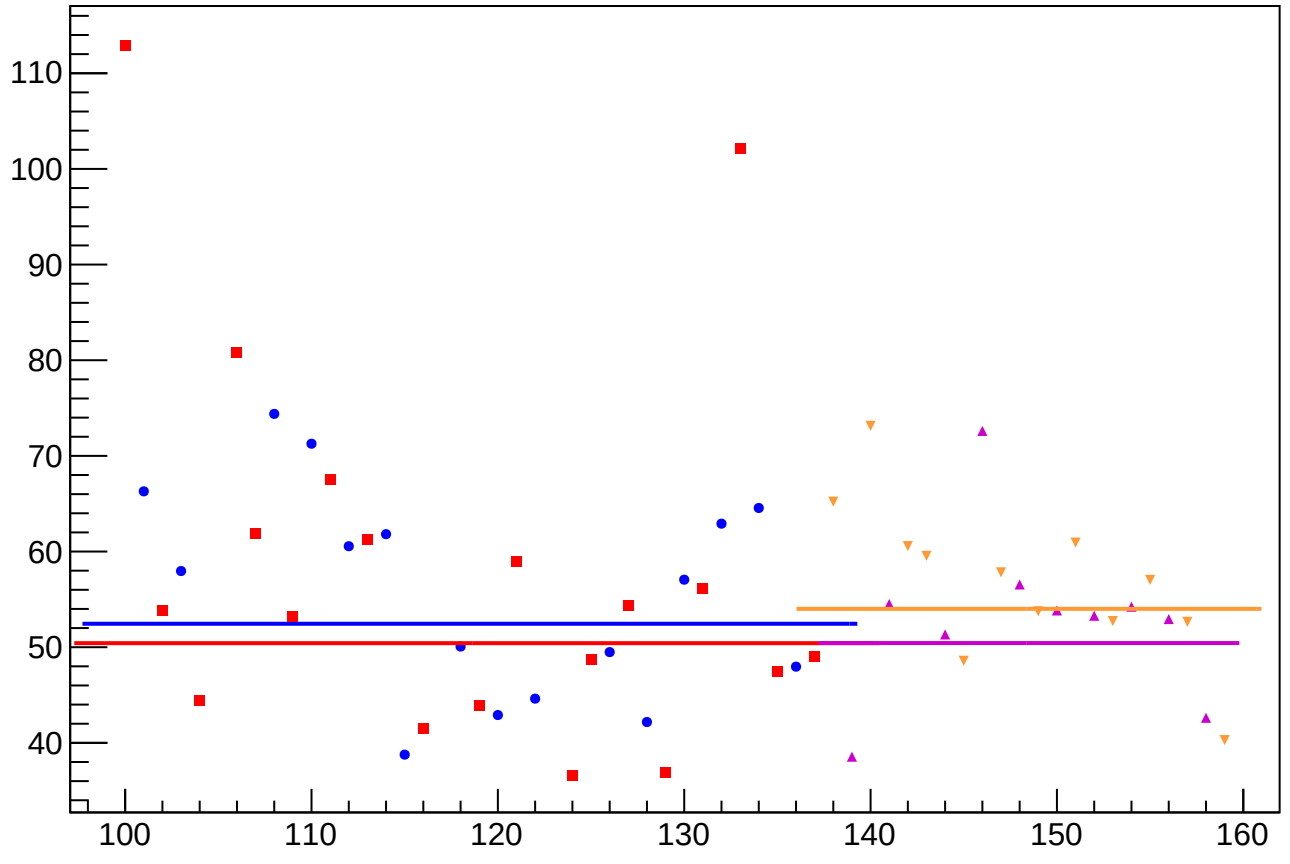
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.018 χ^2/NDF:17.3/9

+ sign 0.017+/-0.014 χ^2/NDF: 29.7/27

All: 0.008+/-0.009 χ^2/NDF: 62.0/56

- sign 0.000+/-0.013 χ^2/NDF: 31.6/28



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.011+/-0.013 χ^2/NDF:417666.7/11

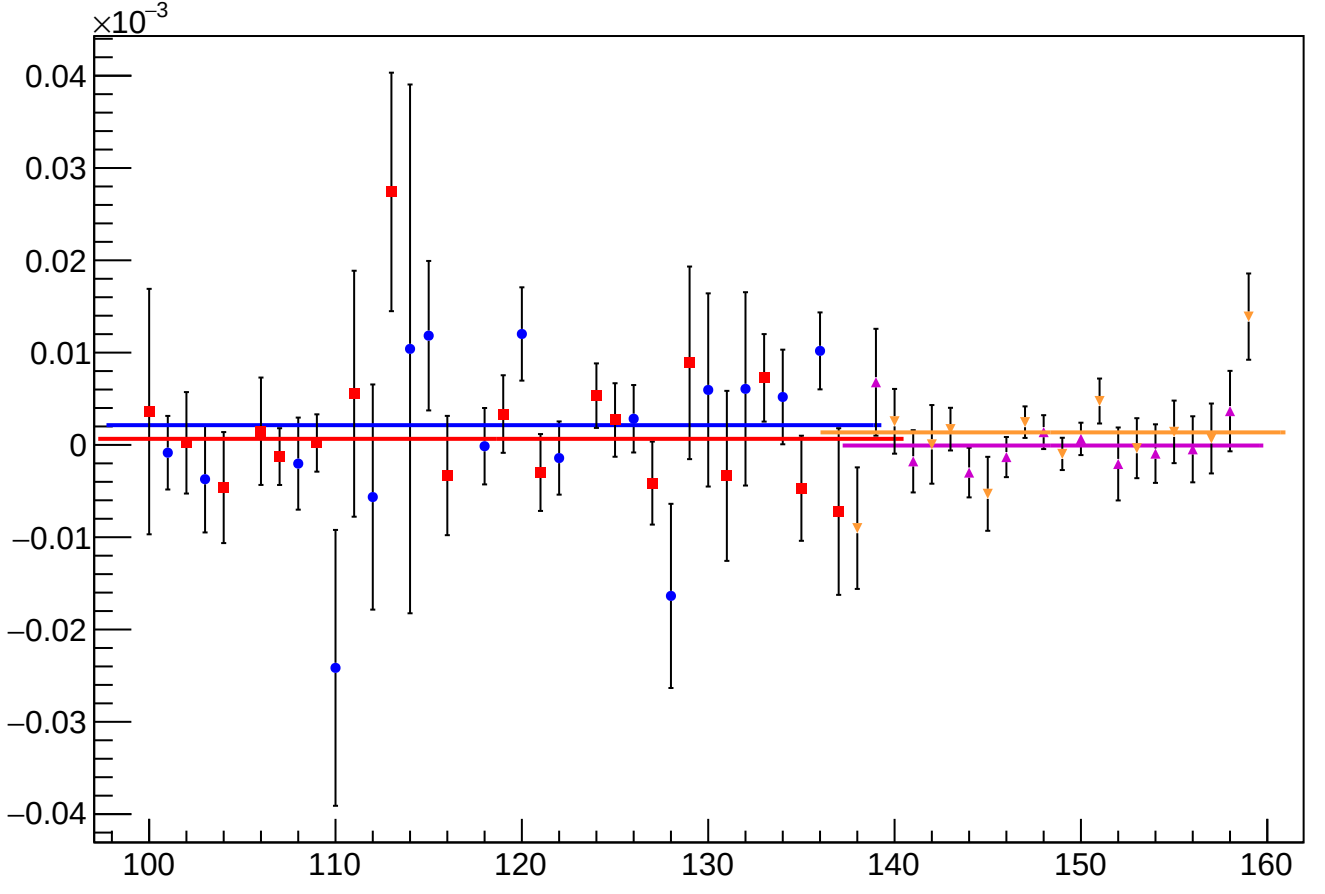
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.434+/-0.012 χ^2/NDF:403508.7/9

\+ sign 53.326+/-0.010 χ^2/NDF: 842245.2/27

All: 51.830+/-0.007 χ^2/NDF: 1969915.6/56

\- sign 50.429+/-0.009 χ^2/NDF: 1080256.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/11

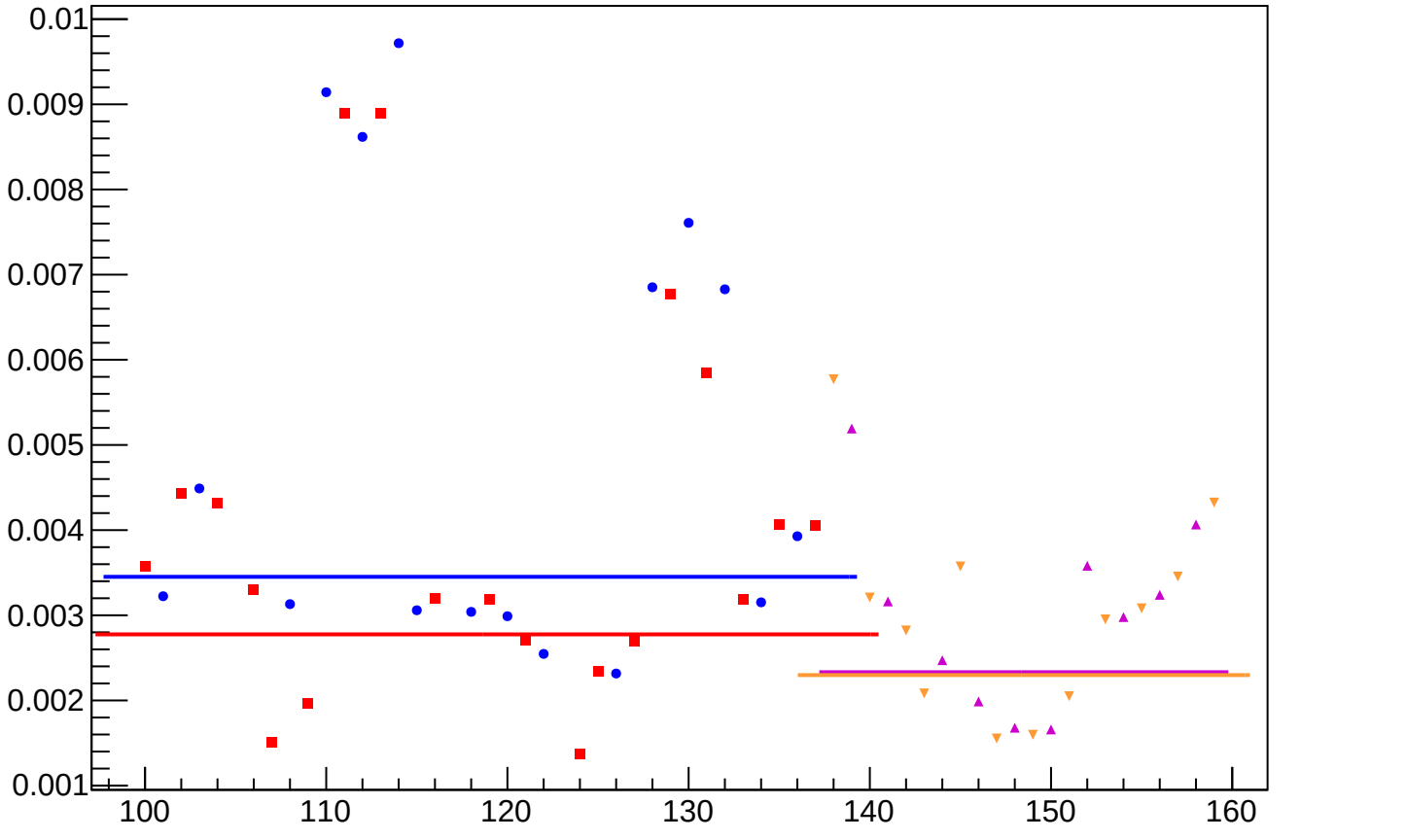
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/27

All: 0.000+/-0.000 χ^2/NDF: 59.5/56

- sign 0.000+/-0.000 χ^2/NDF: 20.1/28



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2414278.7/11

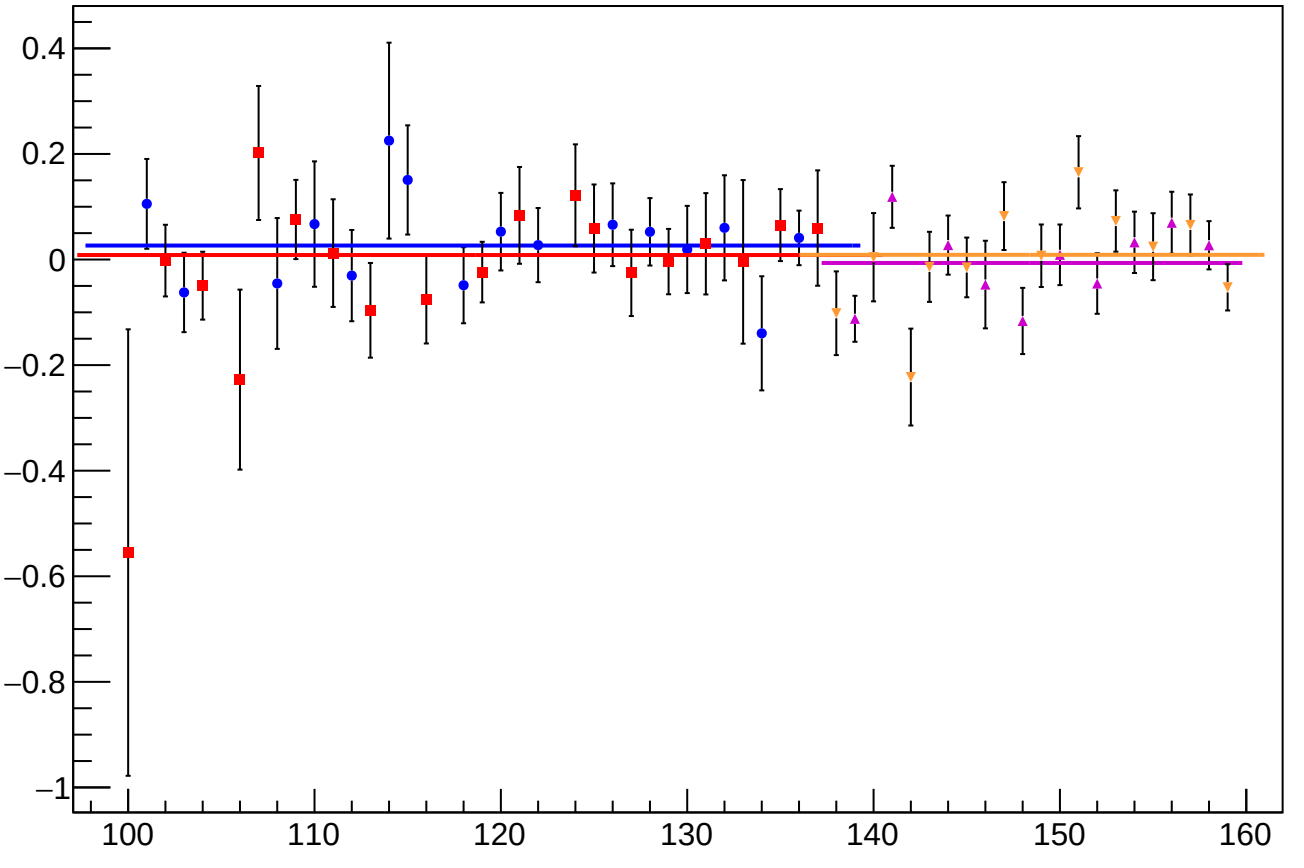
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1940895.2/9

+ sign 0.003+/-0.000 χ^2/NDF: 5402427.6/27

All: 0.003+/-0.000 χ^2/NDF: 10292463.2/56

- sign 0.002+/-0.000 χ^2/NDF: 4869081.1/28



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.009+/-0.018 χ^2/NDF:19.3/11

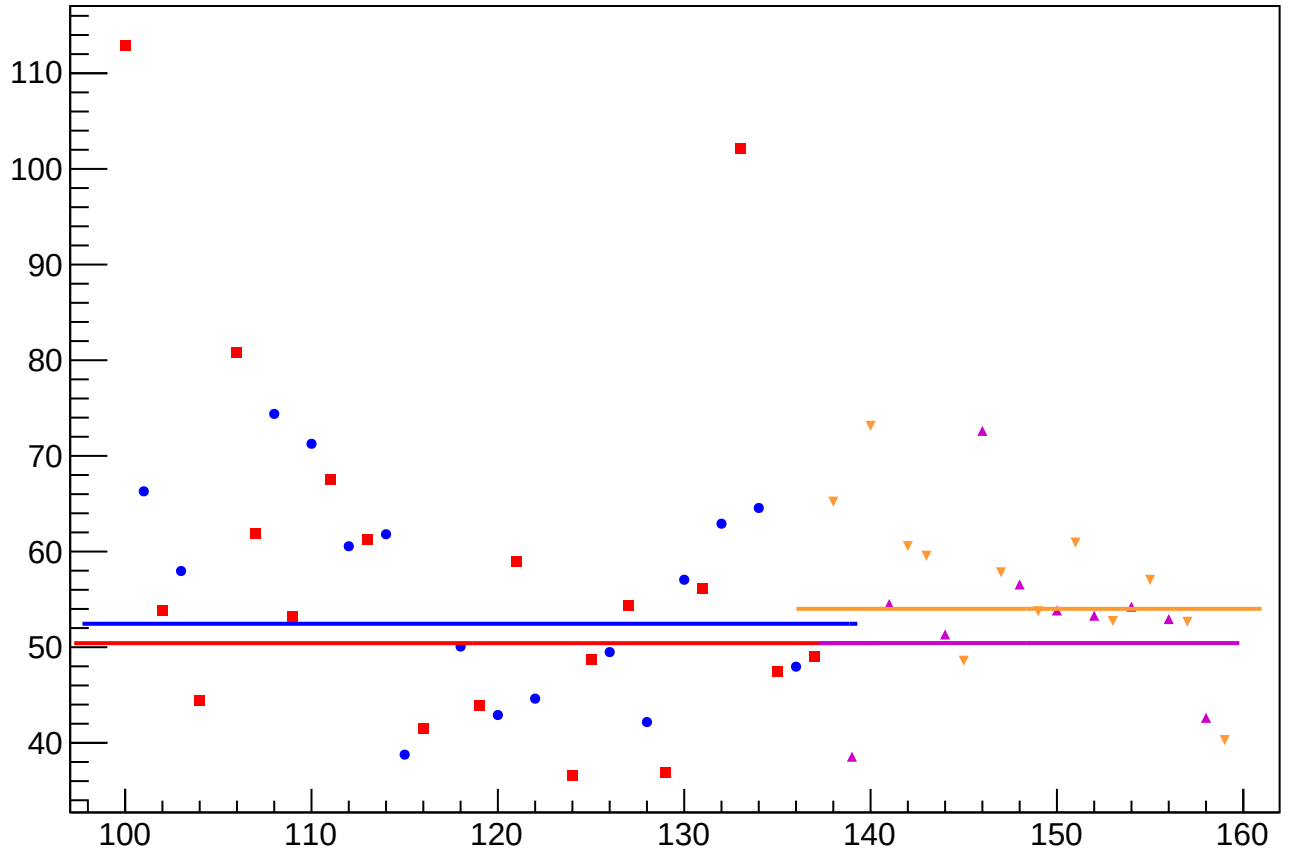
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.018 χ^2/NDF:17.3/9

+ sign 0.017+/-0.014 χ^2/NDF: 29.7/27

All: 0.008+/-0.009 χ^2/NDF: 62.0/56

- sign 0.000+/-0.013 χ^2/NDF: 31.6/28



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.012+/-0.013 χ^2/NDF:417679.4/11

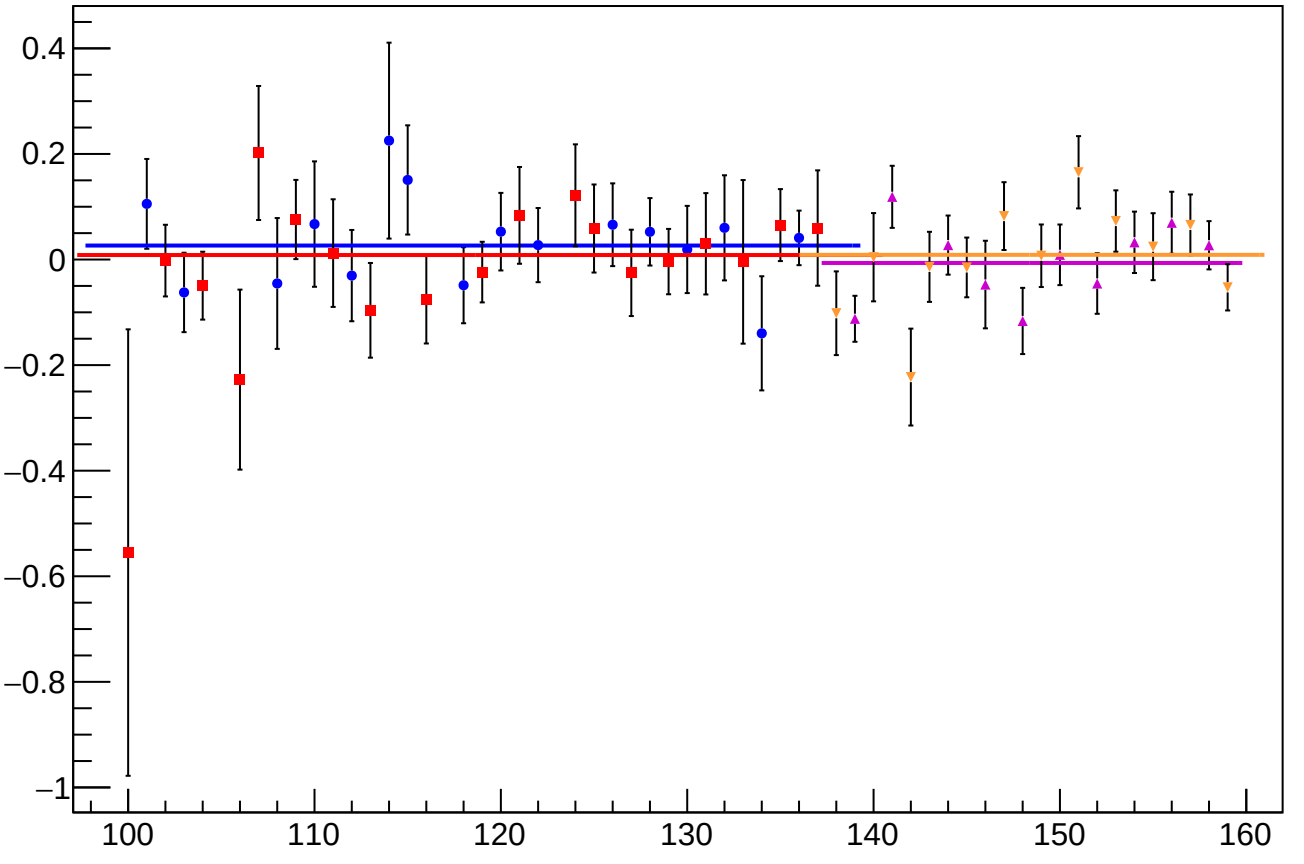
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.434+/-0.012 χ^2/NDF:403575.8/9

+ sign 53.326+/-0.010 χ^2/NDF: 842224.3/27

All: 51.829+/-0.007 χ^2/NDF: 1969973.9/56

- sign 50.429+/-0.009 χ^2/NDF: 1080329.8/28



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.009+/-0.018 χ^2/NDF:19.3/11

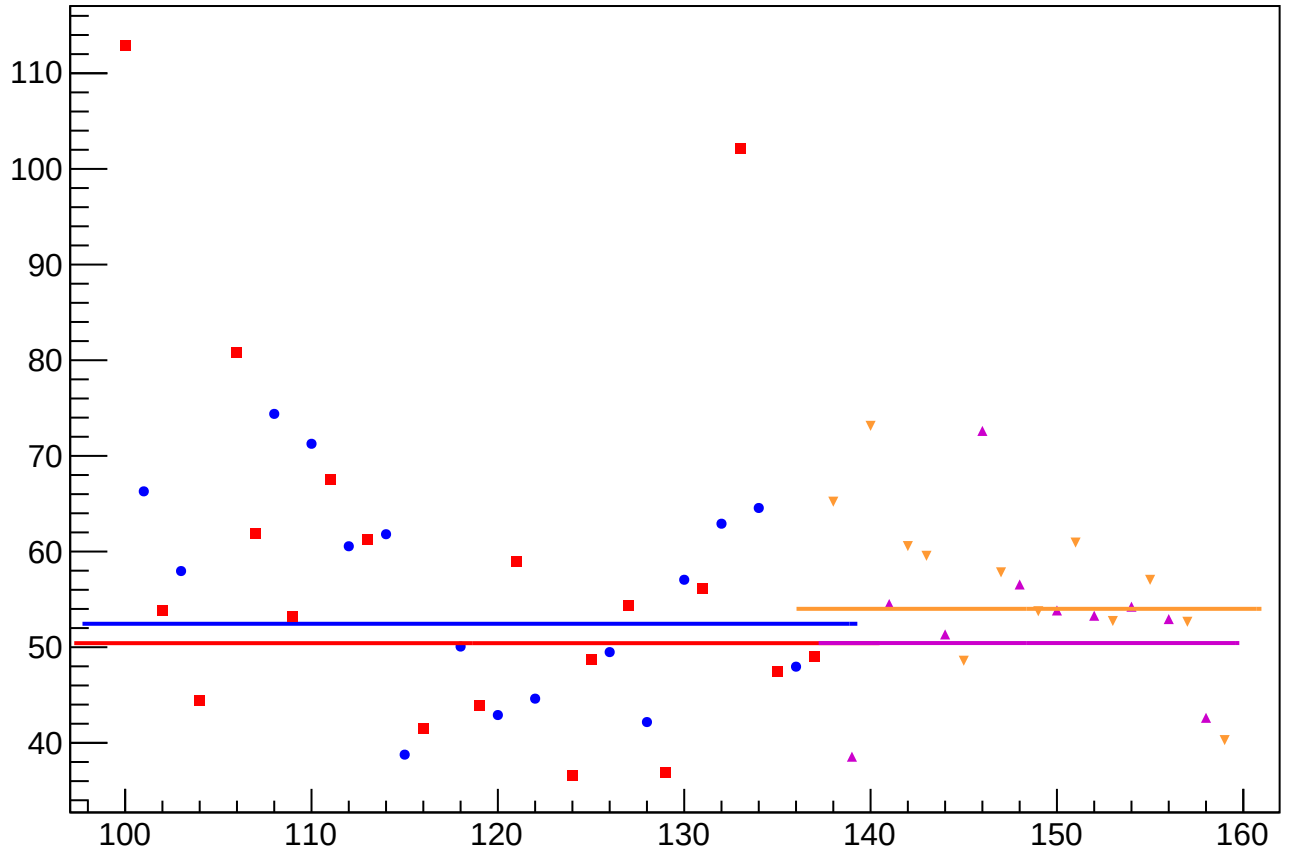
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.007+/-0.018 χ^2/NDF:17.3/9

+ sign 0.017+/-0.014 χ^2/NDF: 29.7/27

All: 0.008+/-0.009 χ^2/NDF: 62.0/56

- sign 0.000+/-0.013 χ^2/NDF: 31.6/28



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.012+/-0.013 χ^2/NDF:417679.4/11

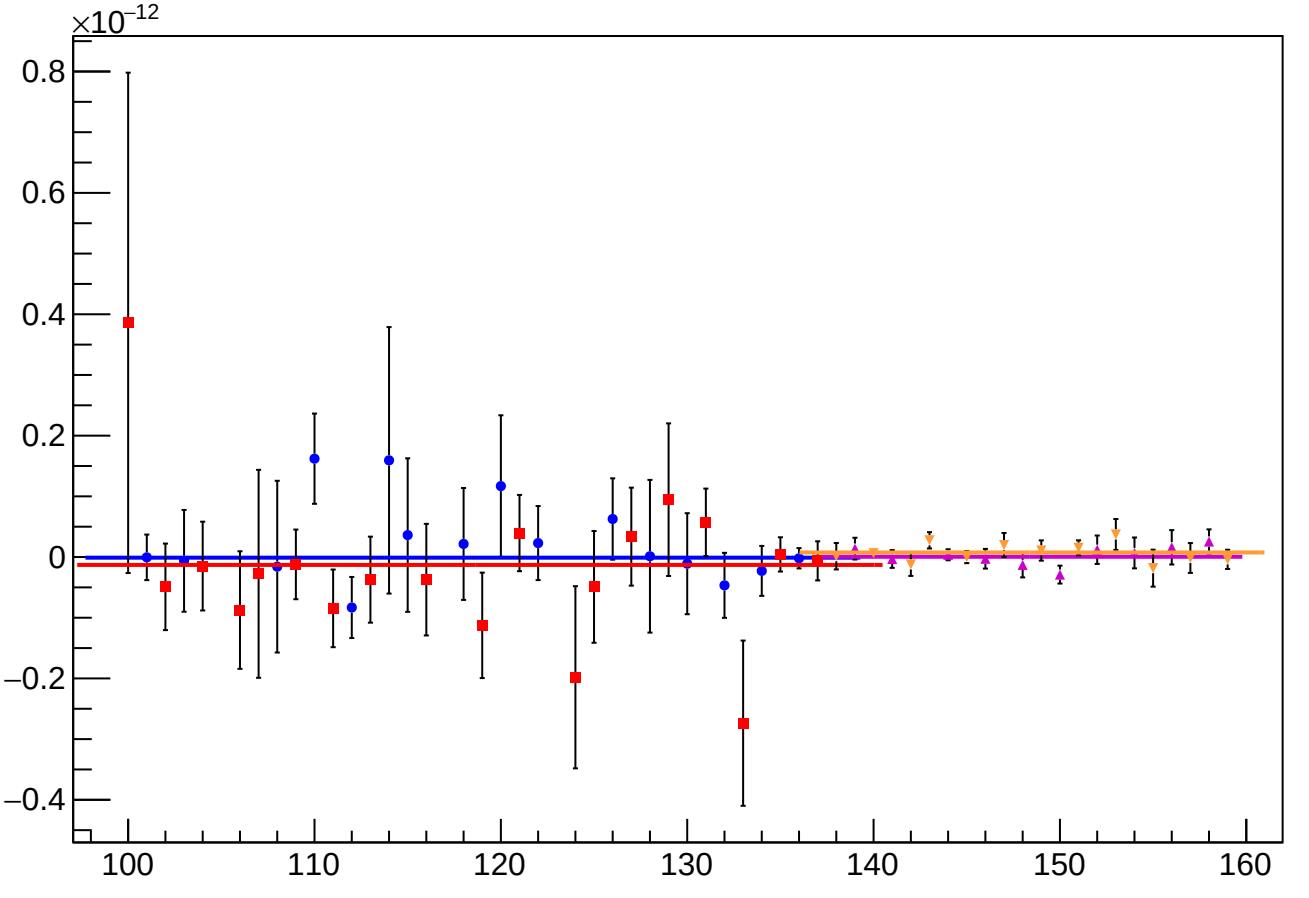
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.434+/-0.012 χ^2/NDF:403575.8/9

+ sign 53.326+/-0.010 χ^2/NDF: 842224.3/27

All: 51.829+/-0.007 χ^2/NDF: 1969973.9/56

- sign 50.429+/-0.009 χ^2/NDF: 1080329.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/11

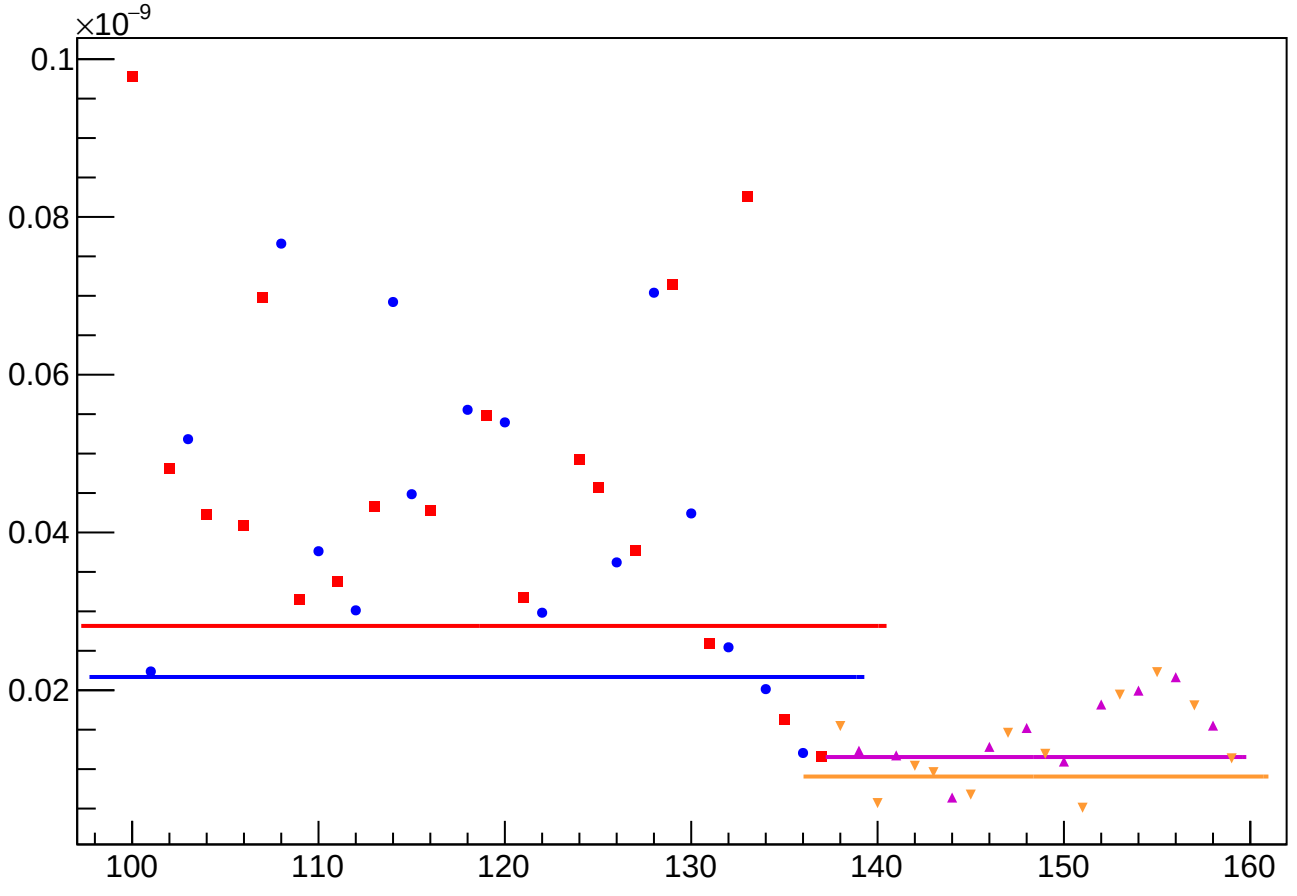
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 19.2/27

All: 0.000+/-0.000 χ^2/NDF: 42.5/56

- sign -0.000+/-0.000 χ^2/NDF: 21.8/28



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

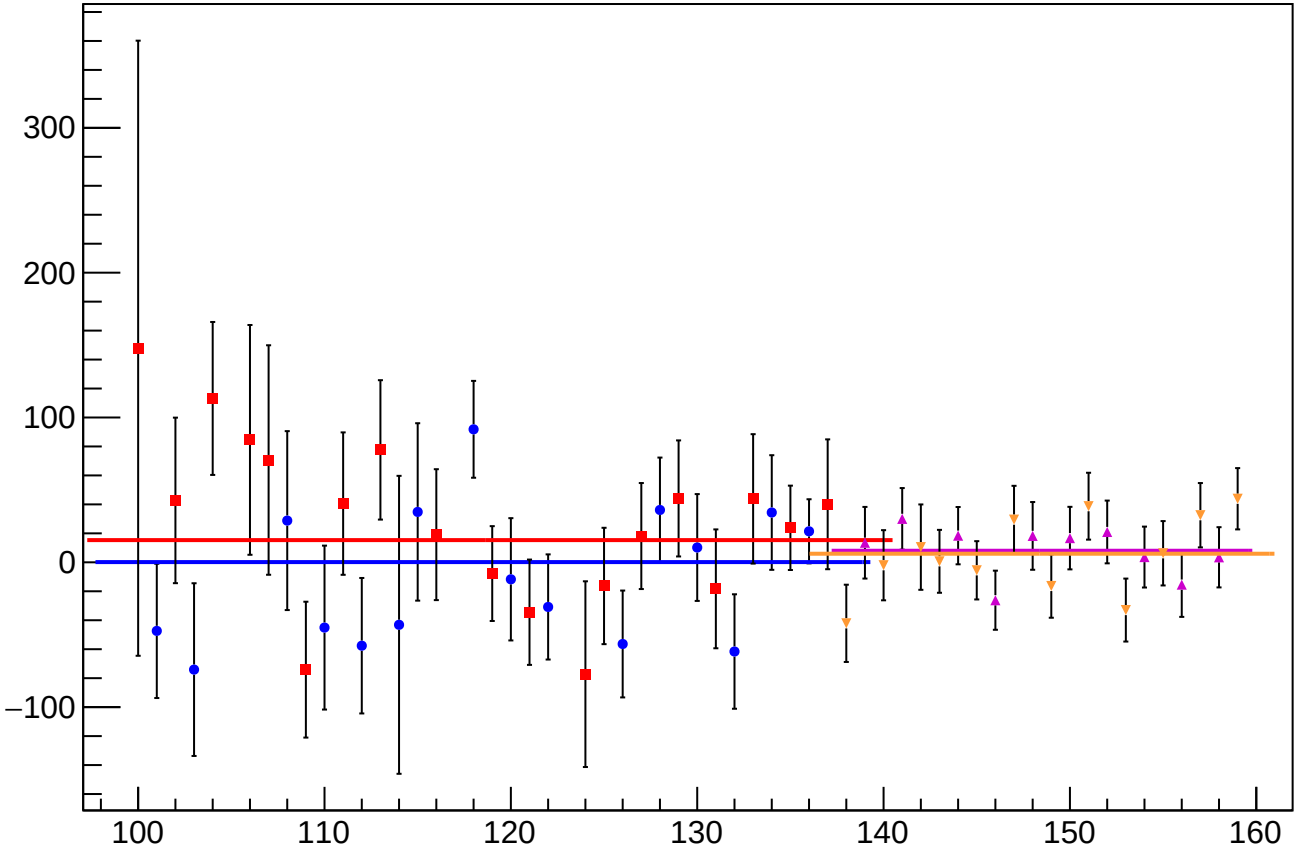
Left In: 0.000+/-0.000 χ^2/NDF:1440063.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 6567665.1/27

All: 0.000+/-0.000 χ^2/NDF: 13162604.3/56

- sign 0.000+/-0.000 χ^2/NDF: 6155418.5/28

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

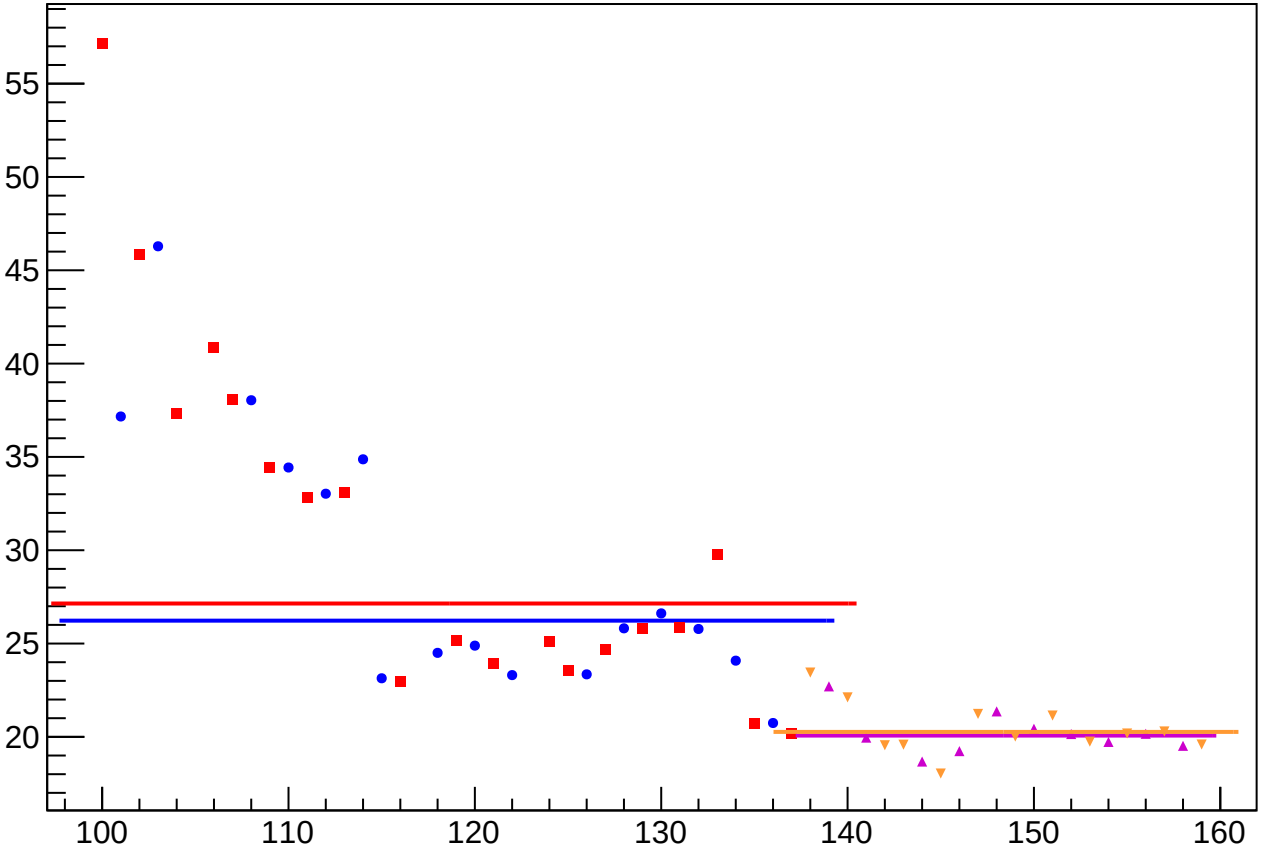
Left In: 7.986+/-6.821 χ^2/NDF:6.1/9

+ sign 4.193+/-5.509 χ^2/NDF: 37.2/27

All: 7.122+/-3.955 χ^2/NDF: 62.2/56

- sign 10.235+/-5.681 χ^2/NDF: 24.4/28

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

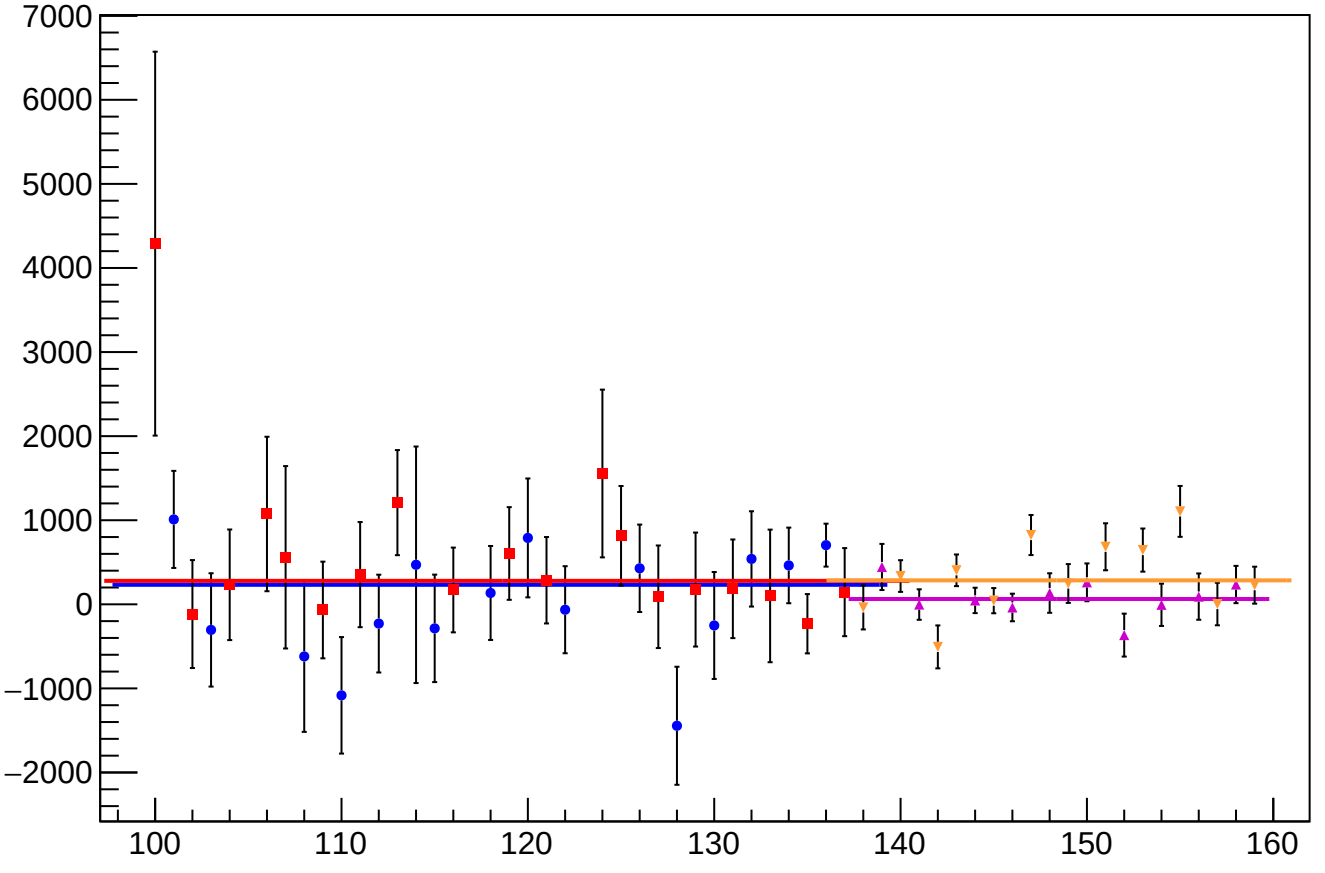
Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

+ sign 22.058+/-0.004 χ^2/NDF: 1245941.1/27

All: 22.144+/-0.003 χ^2/NDF: 2706150.9/56

- sign 22.236+/-0.004 χ^2/NDF: 1459196.8/28

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 284.801+/-64.218 χ^2/NDF:32.0/11

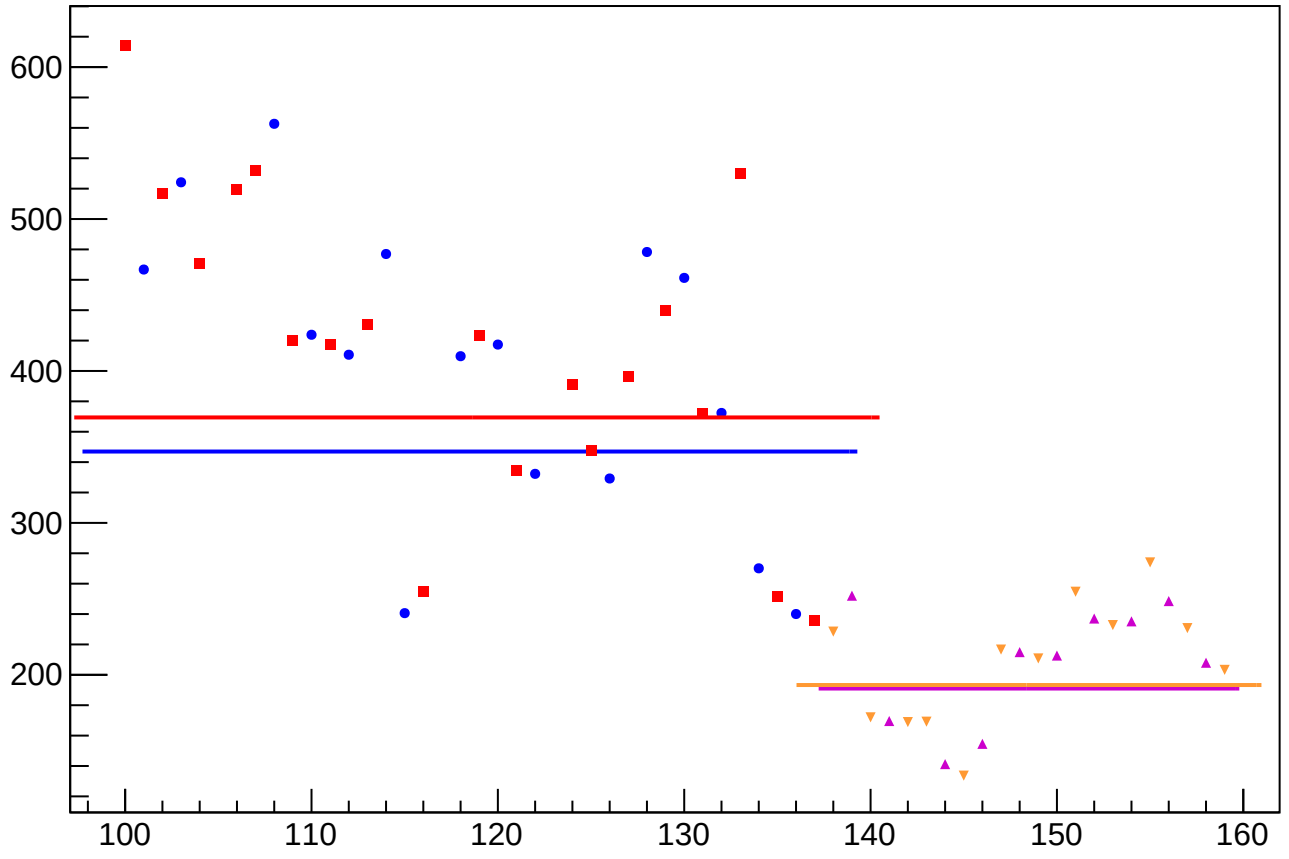
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 63.050+/-66.316 χ^2/NDF:6.8/9

+ sign 275.059+/-57.981 χ^2/NDF: 51.8/27

All: 191.703+/-41.671 χ^2/NDF: 76.9/56

- sign 102.649+/-59.930 χ^2/NDF: 20.9/28



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 193.289+/-0.045 χ^2/NDF:794497.7/11

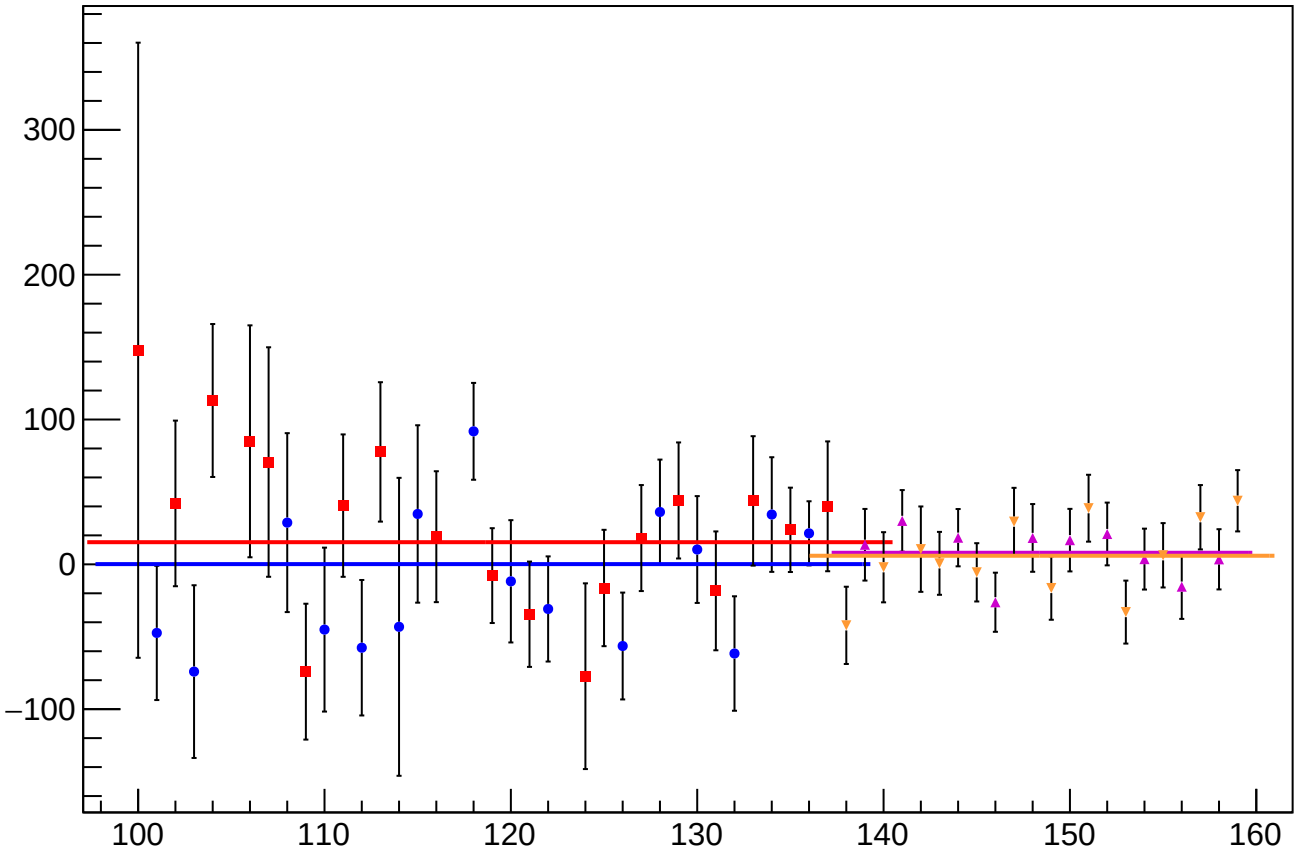
Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 190.979+/-0.047 χ^2/NDF:708243.4/9

+ sign 221.691+/-0.041 χ^2/NDF: 3969354.0/27

All: 222.658+/-0.029 χ^2/NDF: 8252063.8/56

- sign 223.692+/-0.042 χ^2/NDF: 4281558.8/28



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

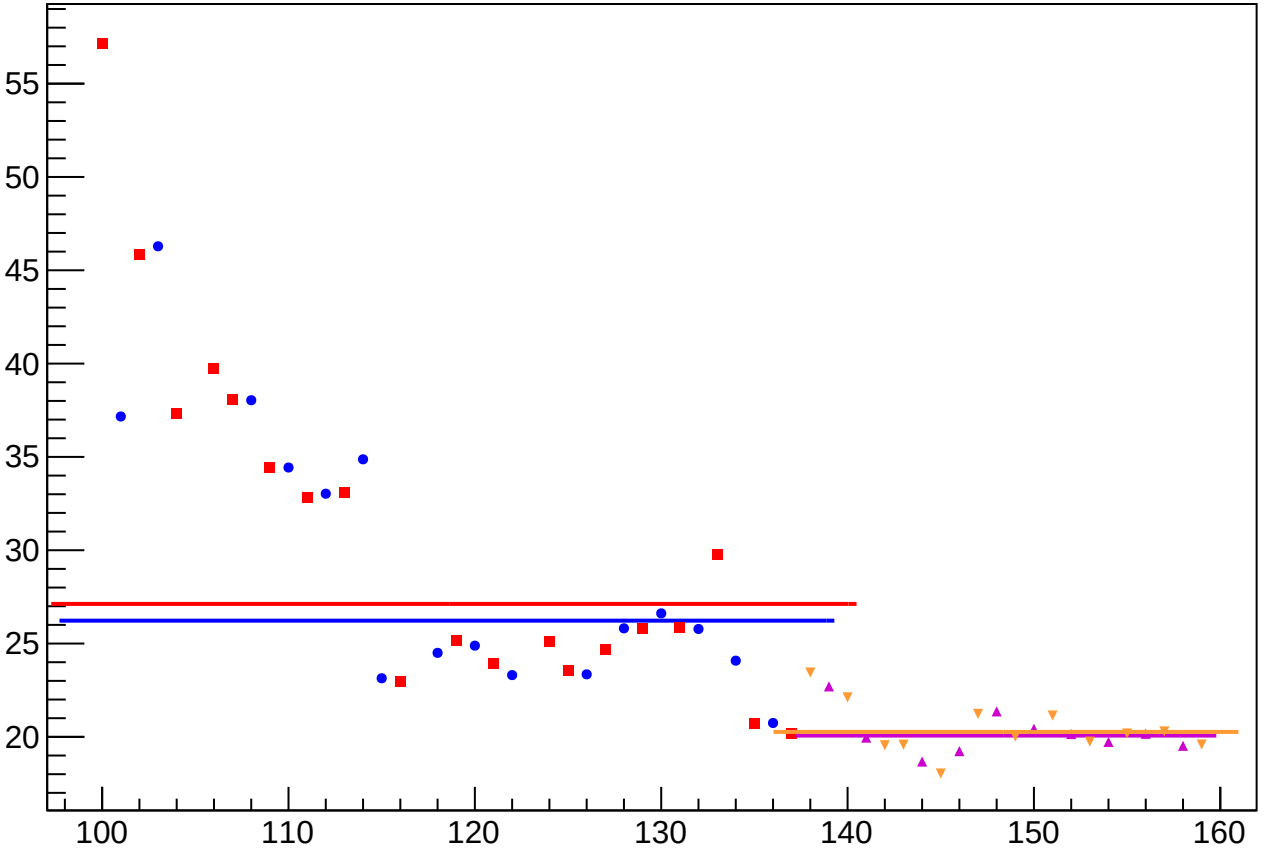
Left In: 7.987+/-6.821 χ^2/NDF:6.1/9

+ sign 4.193+/-5.509 χ^2/NDF: 37.2/27

All: 7.115+/-3.955 χ^2/NDF: 62.2/56

- sign 10.223+/-5.682 χ^2/NDF: 24.4/28

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

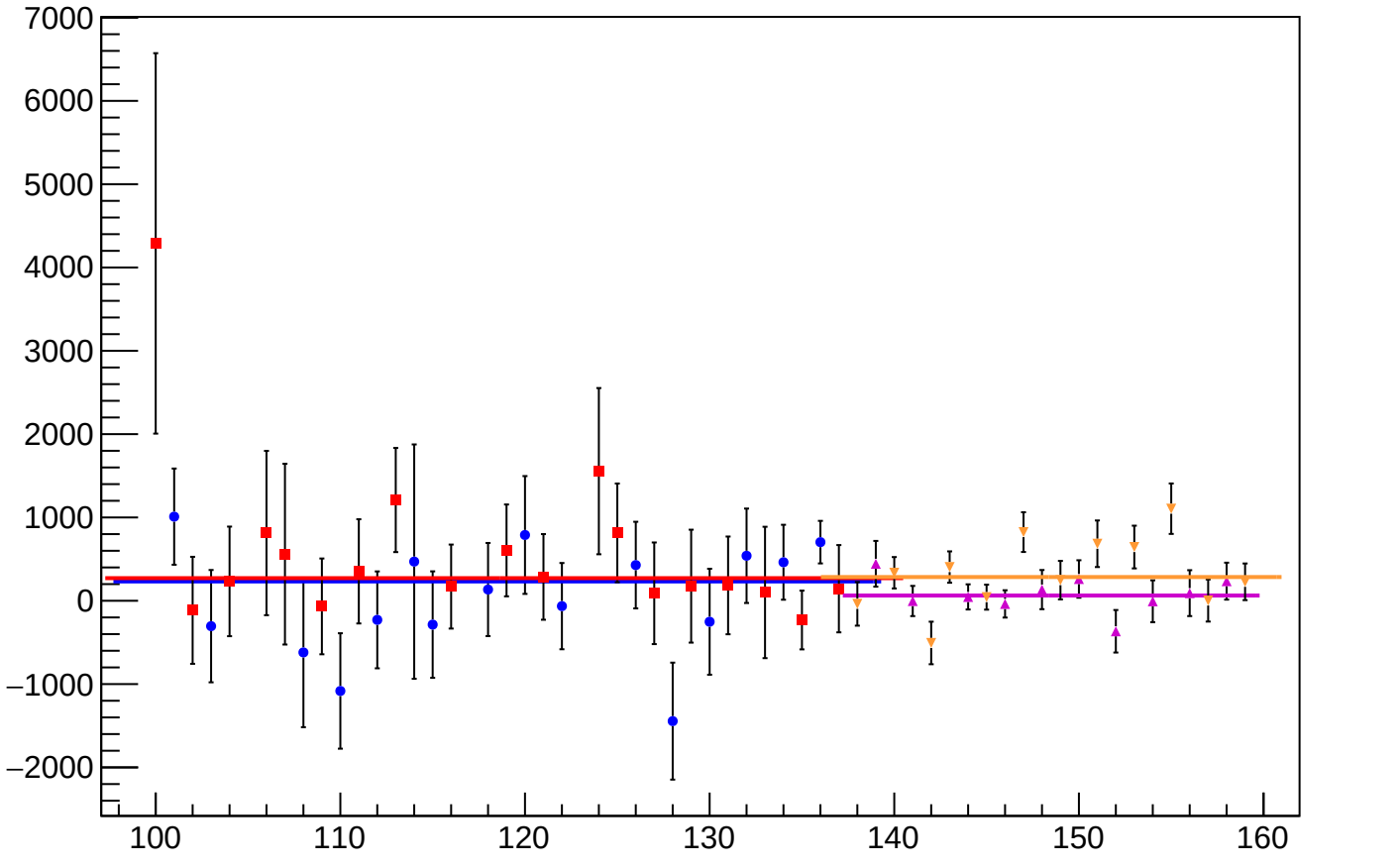
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

+ sign 22.058+/-0.004 χ^2/NDF: 1245944.5/27

All: 22.141+/-0.003 χ^2/NDF: 2692102.6/56

- sign 22.229+/-0.004 χ^2/NDF: 1445225.5/28



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 284.799+/-64.218 χ^2/NDF:32.0/11

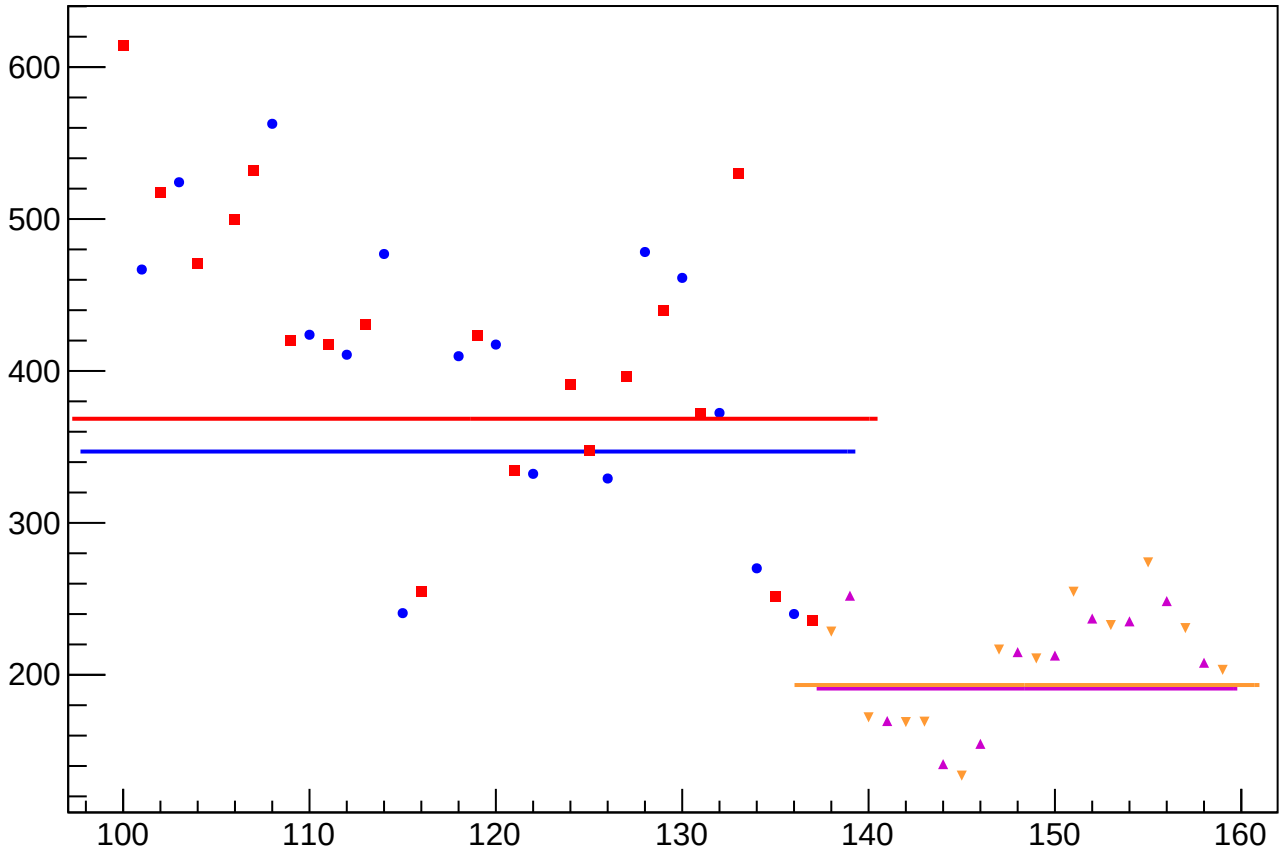
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 63.051+/-66.316 χ^2/NDF:6.8/9

+ sign 275.056+/-57.981 χ^2/NDF: 51.8/27

All: 191.003+/-41.676 χ^2/NDF: 76.4/56

- sign 101.154+/-59.947 χ^2/NDF: 20.3/28



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 193.289+/-0.045 χ^2/NDF:794501.2/11

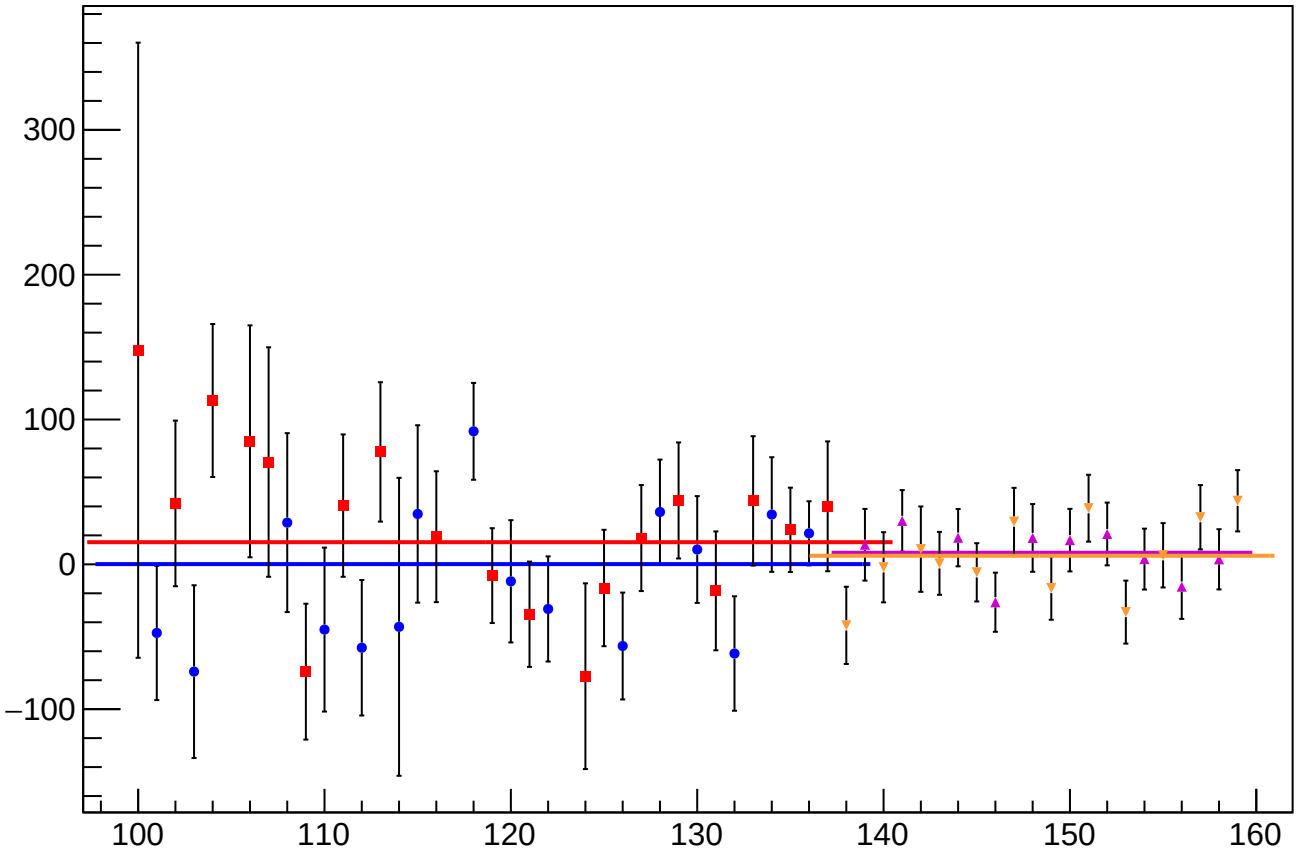
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 190.979+/-0.047 χ^2/NDF:708241.3/9

+ sign 221.691+/-0.041 χ^2/NDF: 3969387.7/27

All: 222.541+/-0.029 χ^2/NDF: 8200801.9/56

- sign 223.450+/-0.042 χ^2/NDF: 4230524.2/28



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

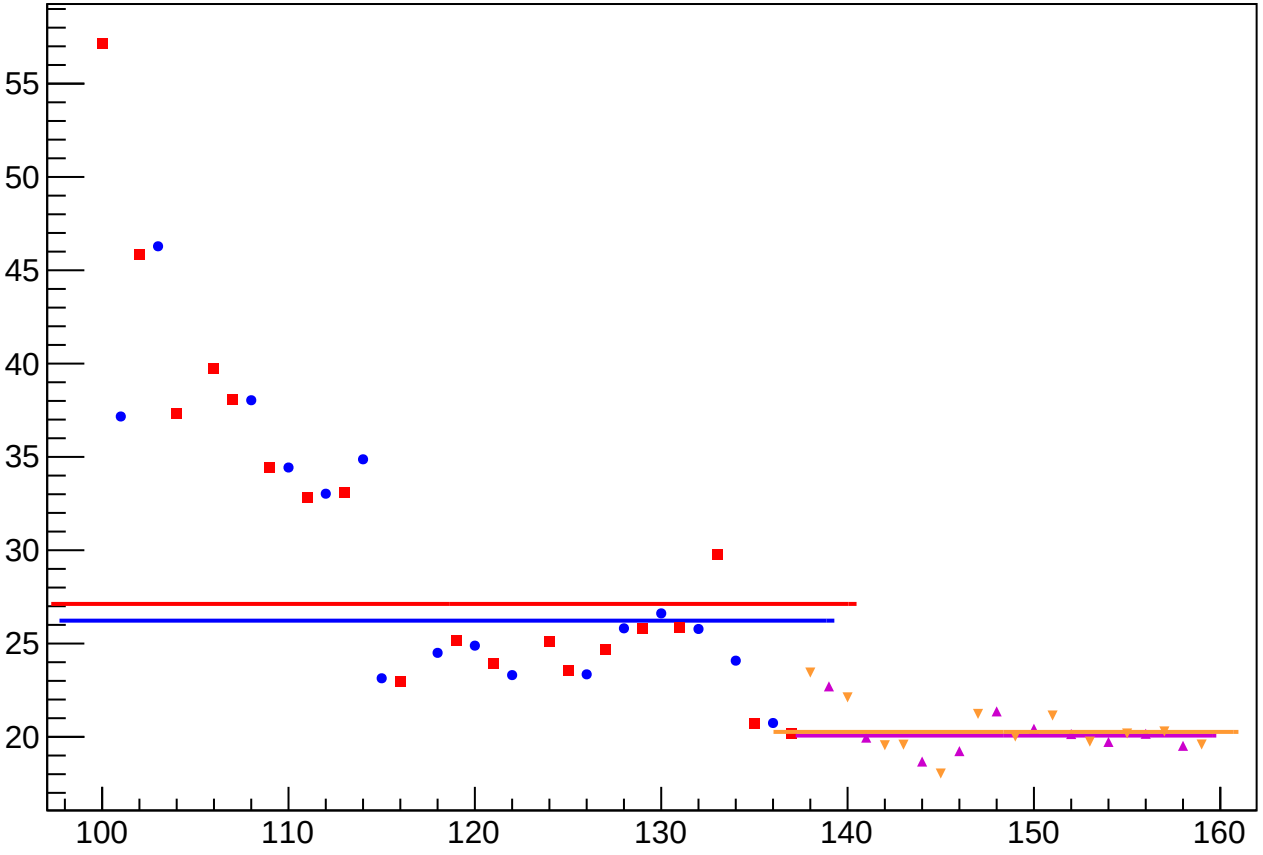
Left In: 7.987+/-6.821 χ^2/NDF:6.1/9

+ sign 4.193+/-5.509 χ^2/NDF: 37.2/27

All: 7.115+/-3.955 χ^2/NDF: 62.2/56

- sign 10.223+/-5.682 χ^2/NDF: 24.4/28

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

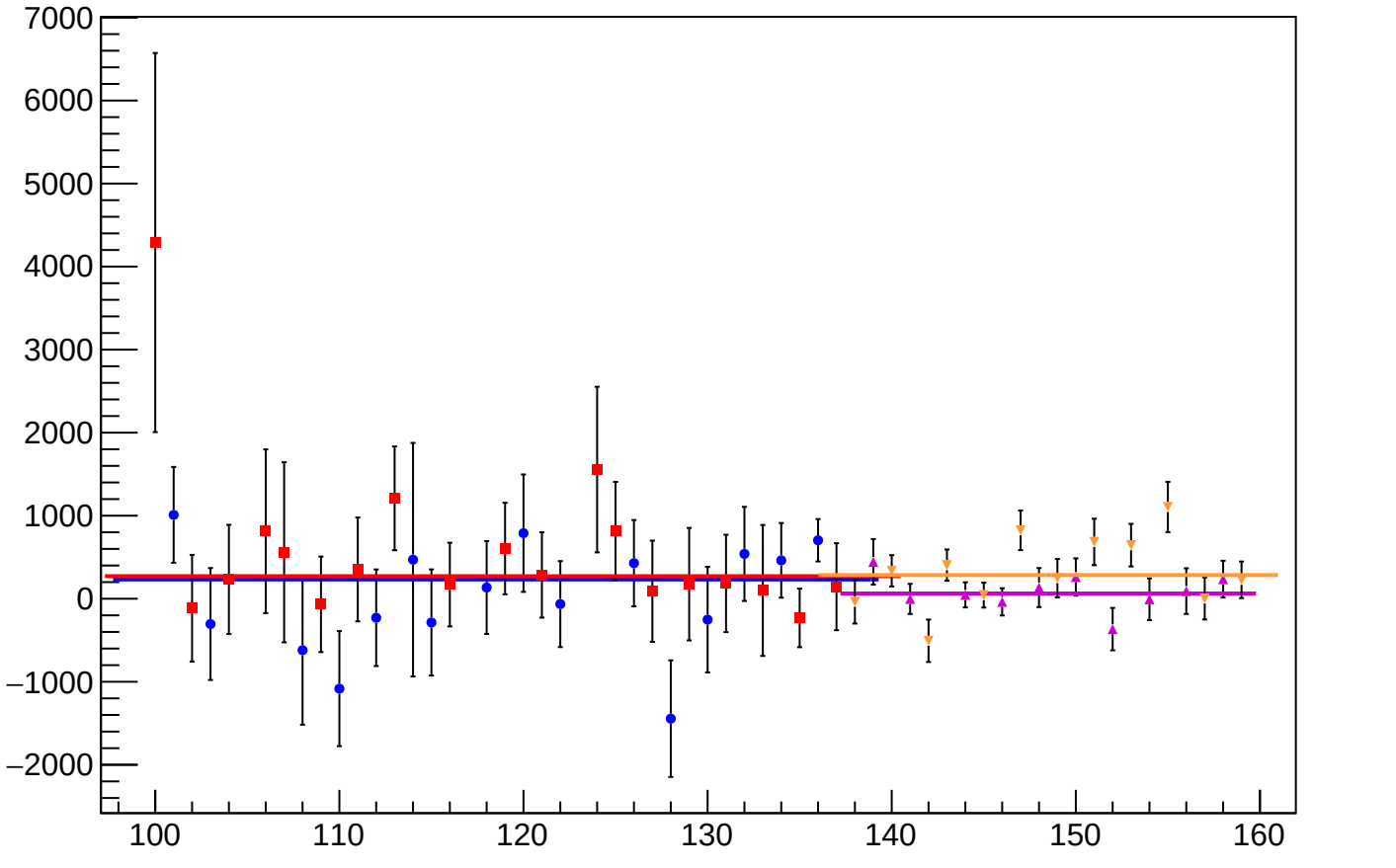
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.069+/-0.005 χ^2/NDF:44697.0/9

+ sign 22.058+/-0.004 χ^2/NDF: 1245944.5/27

All: 22.141+/-0.003 χ^2/NDF: 2692102.6/56

- sign 22.229+/-0.004 χ^2/NDF: 1445225.5/28



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 284.799+/-64.218 χ^2/NDF:32.0/11

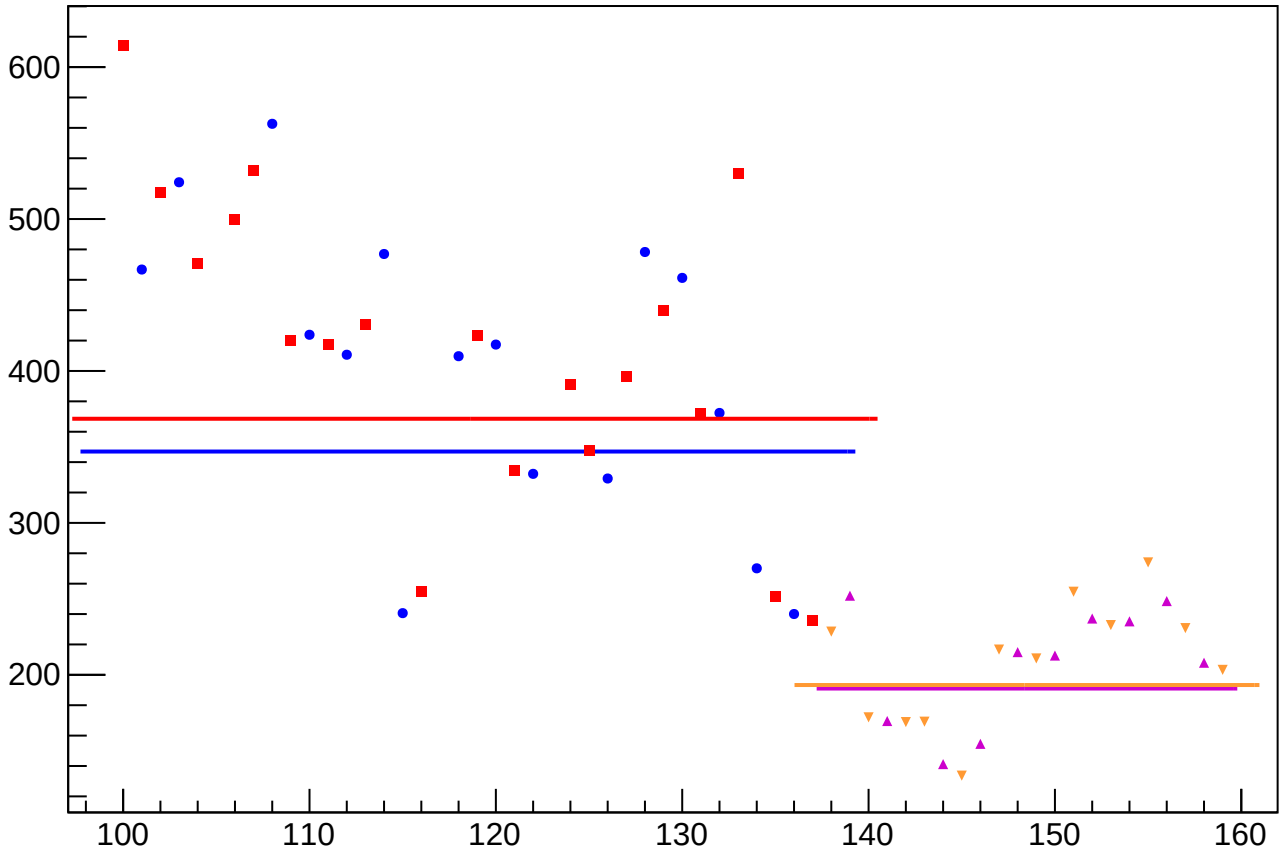
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 63.051+/-66.316 χ^2/NDF:6.8/9

+ sign 275.056+/-57.981 χ^2/NDF: 51.8/27

All: 191.003+/-41.676 χ^2/NDF: 76.4/56

- sign 101.154+/-59.947 χ^2/NDF: 20.3/28



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

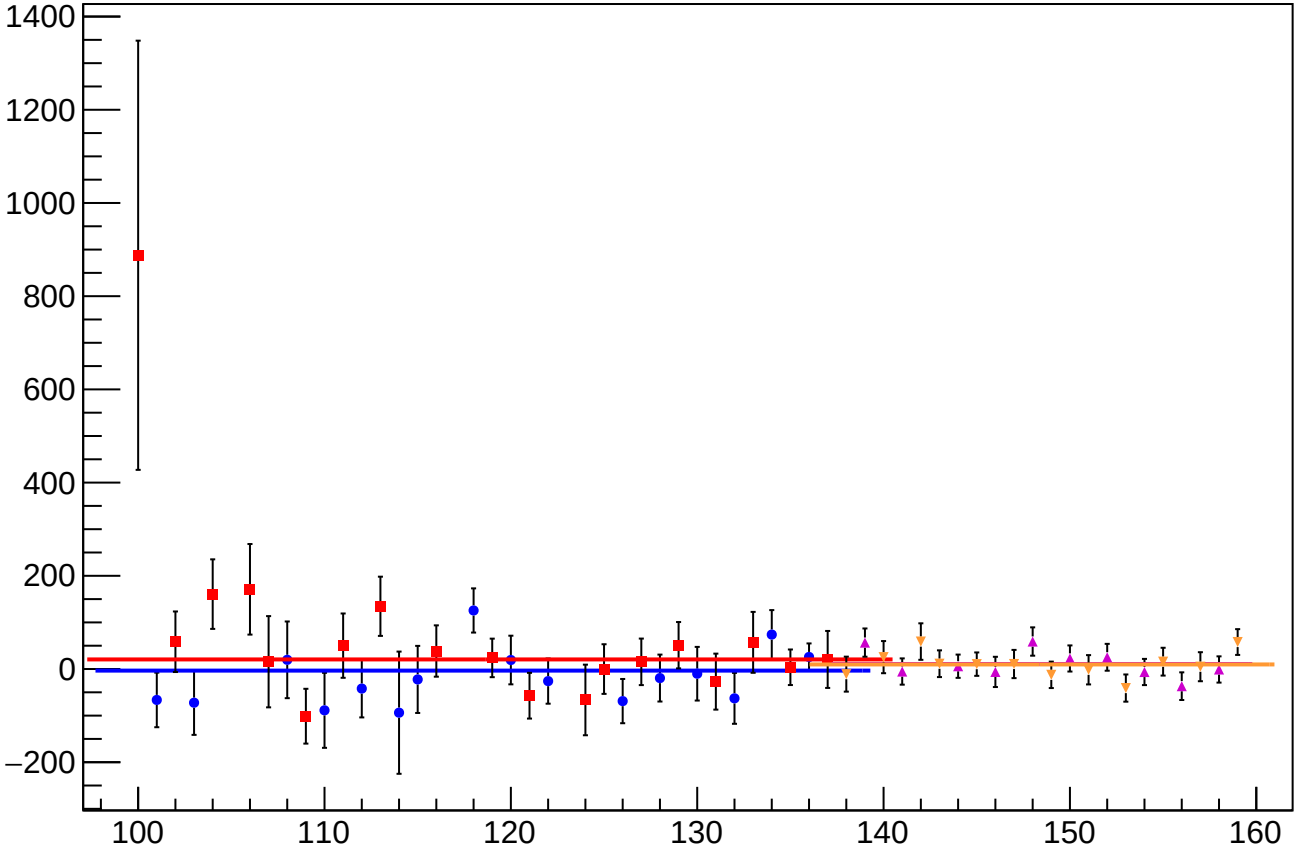
Left In: 190.979+/-0.047 χ^2/NDF:708241.3/9

+ sign 221.691+/-0.041 χ^2/NDF: 3969387.7/27

All: 222.541+/-0.029 χ^2/NDF: 8200801.9/56

- sign 223.450+/-0.042 χ^2/NDF: 4230524.2/28

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

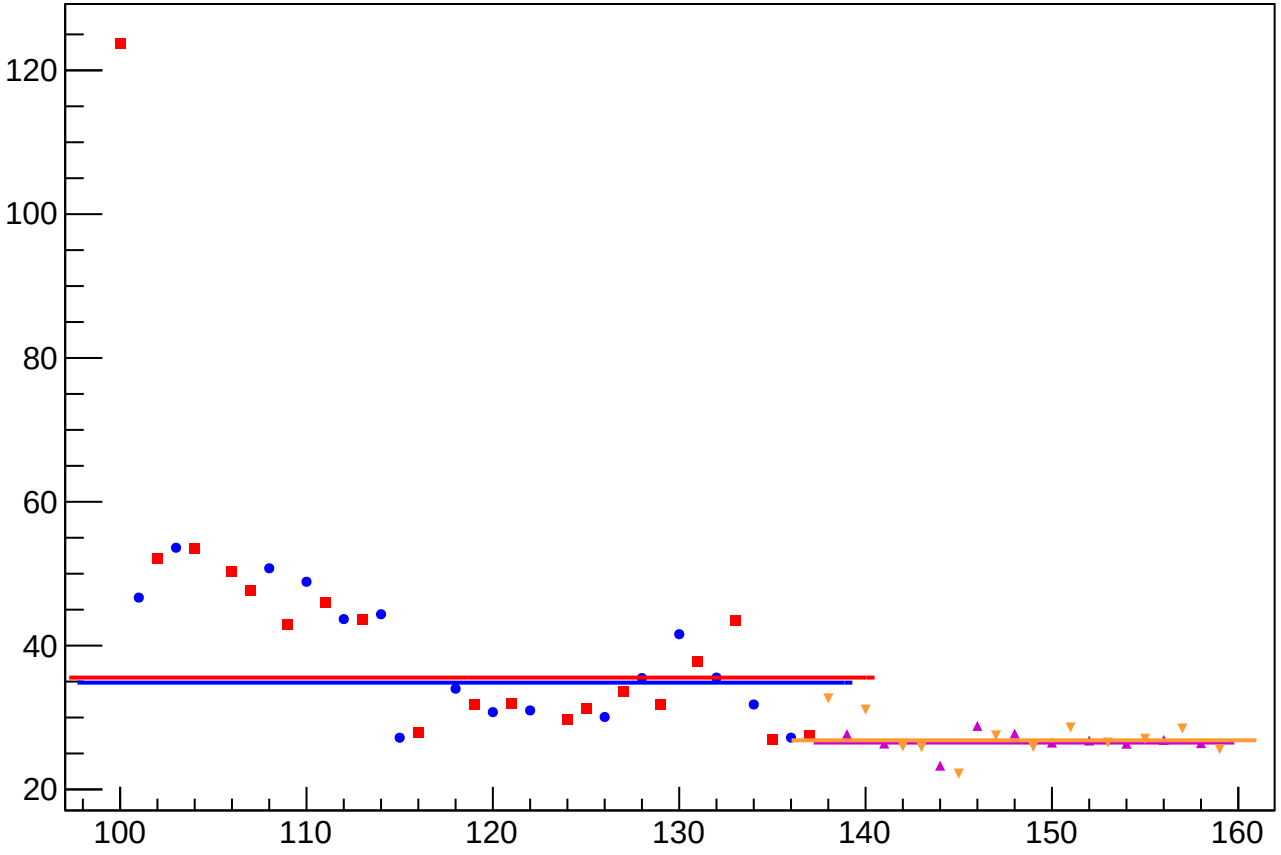
Left In: 10.762+/-9.082 χ^2/NDF:9.0/9

+ sign 5.831+/-7.340 χ^2/NDF: 28.1/27

All: 9.725+/-5.256 χ^2/NDF: 61.2/56

- sign 13.825+/-7.531 χ^2/NDF: 32.5/28

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

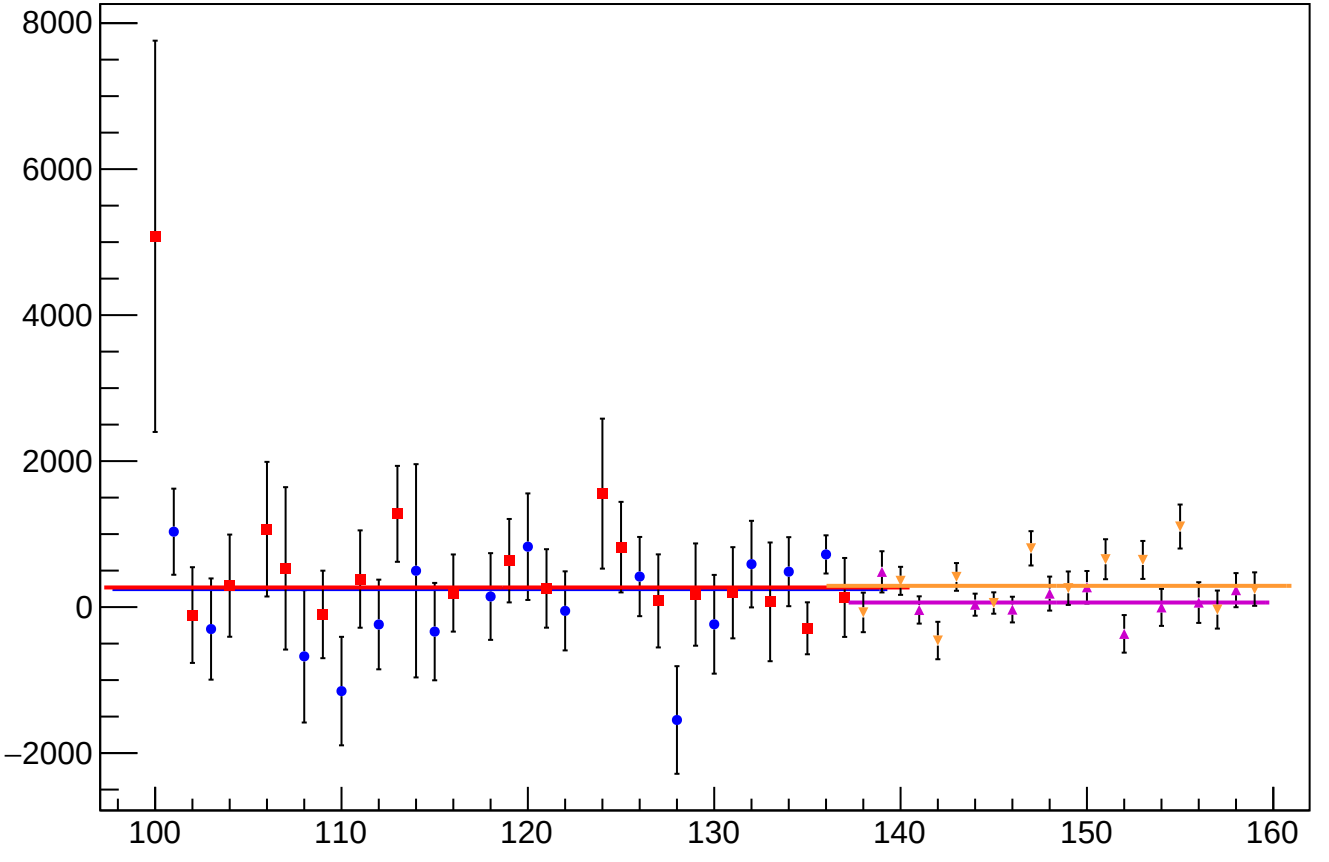
Left In: 26.516+/-0.006 χ^2/NDF:50213.7/9

+ sign 29.237+/-0.005 χ^2/NDF: 1329998.2/27

All: 29.287+/-0.004 χ^2/NDF: 2778855.1/56

- sign 29.339+/-0.005 χ^2/NDF: 1448670.4/28

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 291.249+/-64.501 χ^2/NDF:30.8/11

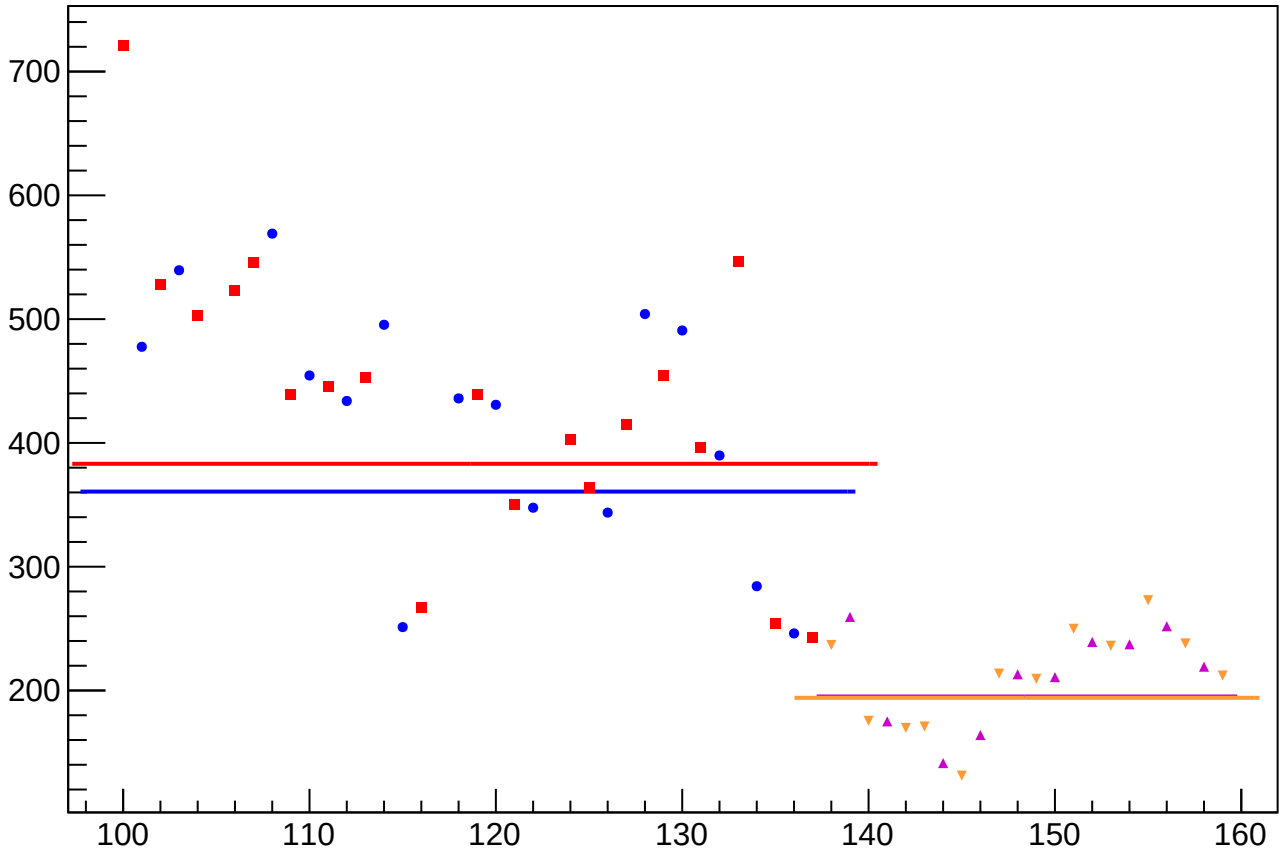
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 62.679+/-67.768 χ^2/NDF:7.4/9

+ sign 283.440+/-58.603 χ^2/NDF: 50.6/27

All: 195.793+/-42.398 χ^2/NDF: 77.0/56

- sign 99.527+/-61.416 χ^2/NDF: 21.7/28



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

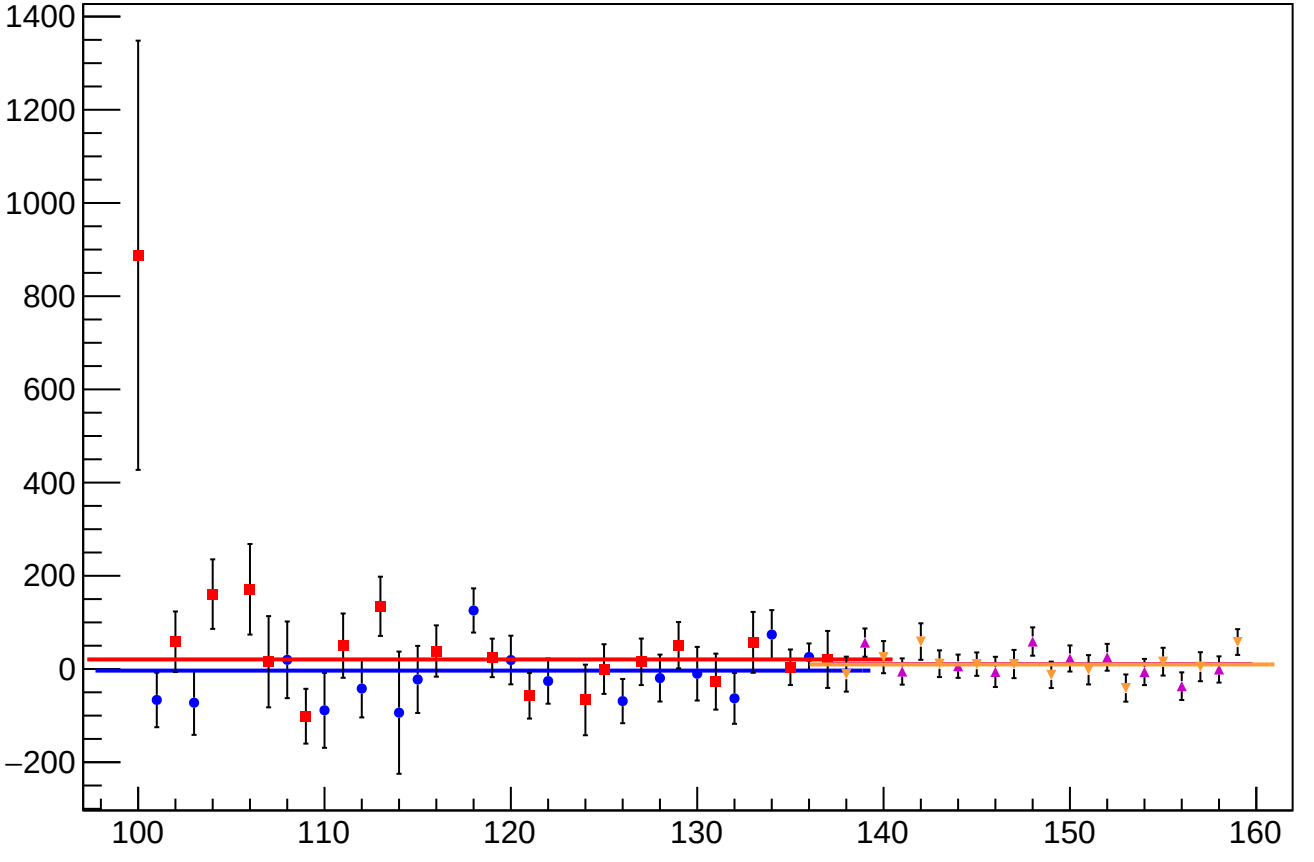
Left In: 195.179+/-0.048 χ^2/NDF:682759.7/9

+ sign 223.159+/-0.041 χ^2/NDF: 4271669.5/27

All: 225.829+/-0.030 χ^2/NDF: 8675050.3/56

- sign 228.761+/-0.043 χ^2/NDF: 4394670.1/28

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

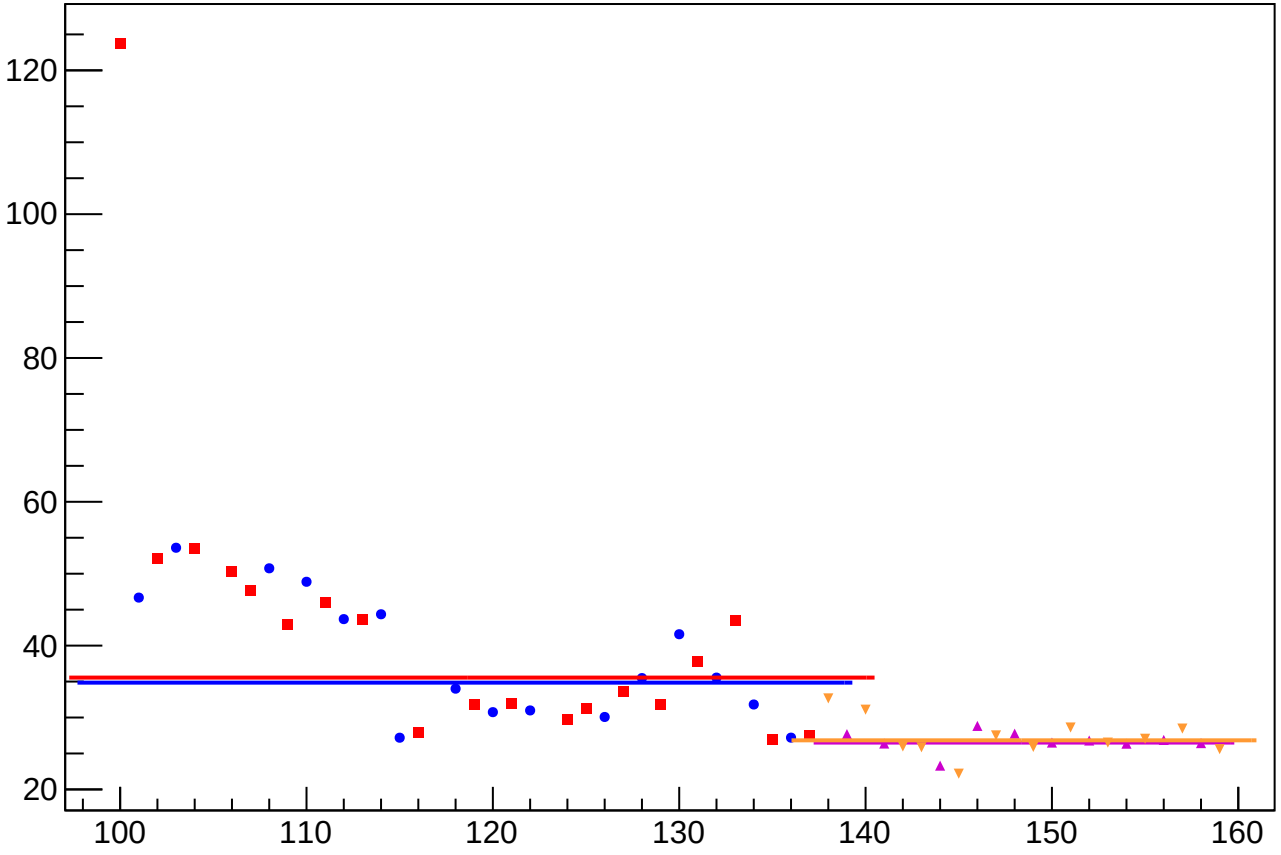
Left In: 10.762+/-9.082 χ^2/NDF:9.0/9

+ sign 5.830+/-7.339 χ^2/NDF: 28.1/27

All: 9.725+/-5.256 χ^2/NDF: 61.2/56

- sign 13.825+/-7.531 χ^2/NDF: 32.5/28

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

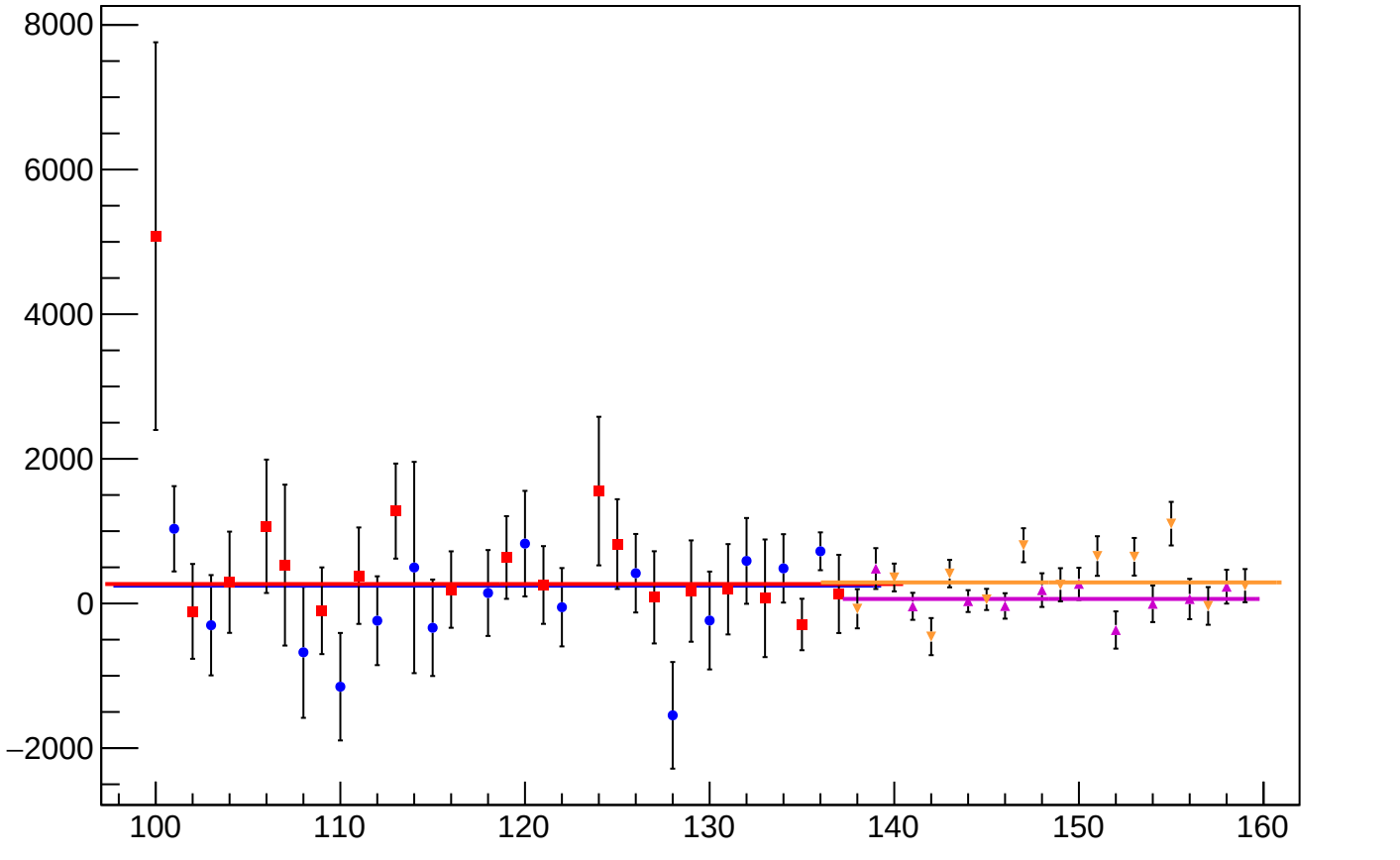
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.516+/-0.006 χ^2/NDF:50210.3/9

+ sign 29.237+/-0.005 χ^2/NDF: 1329870.9/27

All: 29.287+/-0.004 χ^2/NDF: 2778640.8/56

- sign 29.339+/-0.005 χ^2/NDF: 1448583.5/28



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 291.247+/-64.501 χ^2/NDF:30.8/11

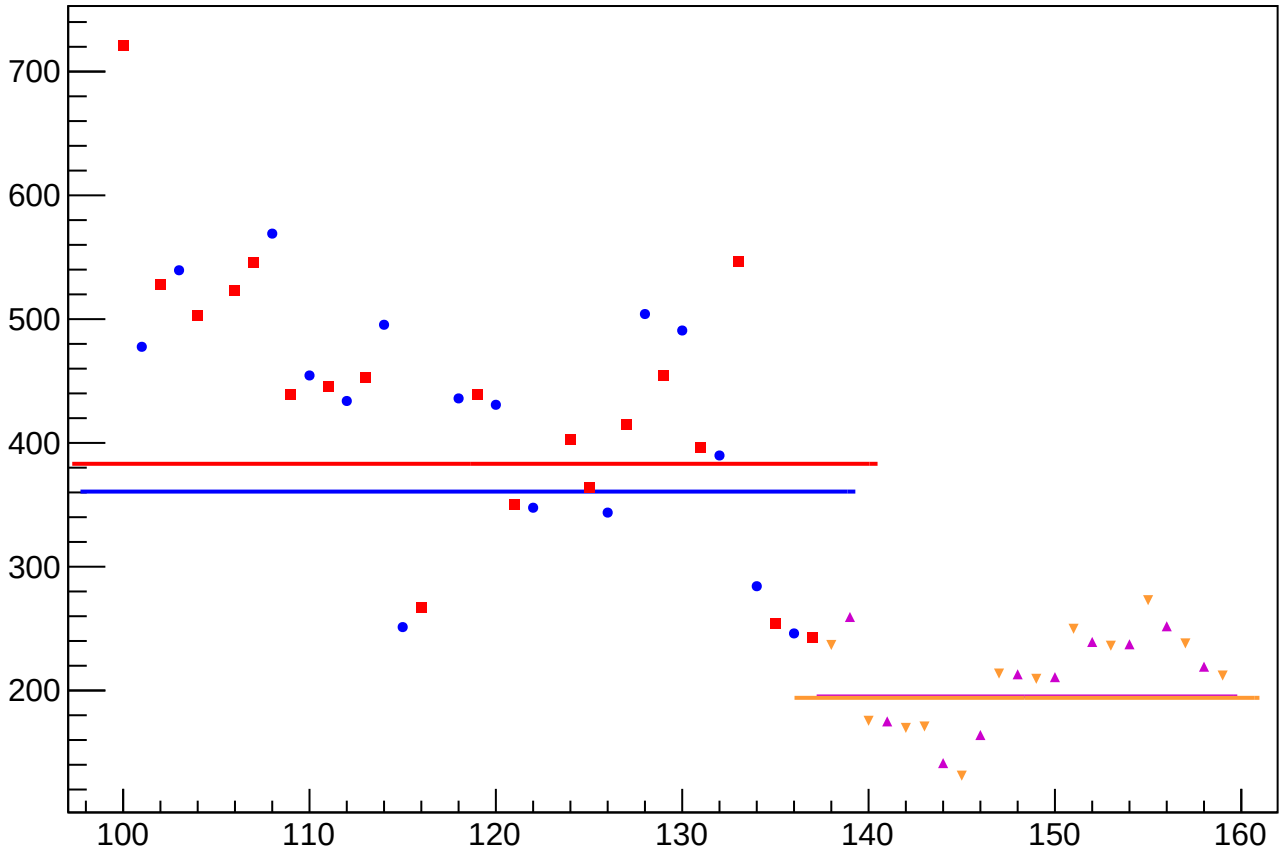
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 62.679+/-67.768 χ^2/NDF:7.4/9

+ sign 283.438+/-58.602 χ^2/NDF: 50.6/27

All: 195.792+/-42.398 χ^2/NDF: 77.0/56

- sign 99.527+/-61.416 χ^2/NDF: 21.7/28



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

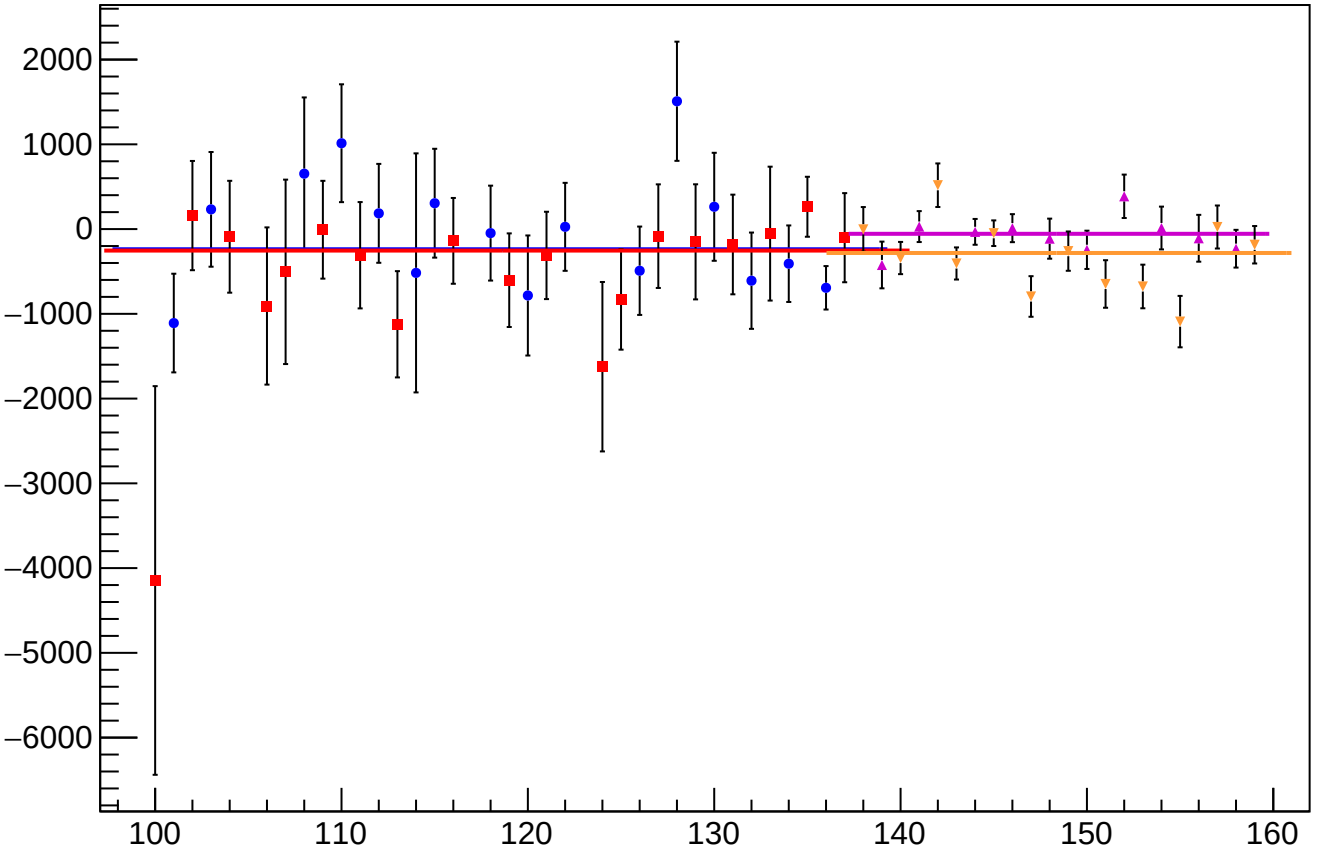
Left In: 195.178+/-0.048 χ^2/NDF:682764.2/9

+ sign 223.158+/-0.041 χ^2/NDF: 4271683.8/27

All: 225.828+/-0.030 χ^2/NDF: 8675062.2/56

- sign 228.761+/-0.043 χ^2/NDF: 4394667.0/28

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

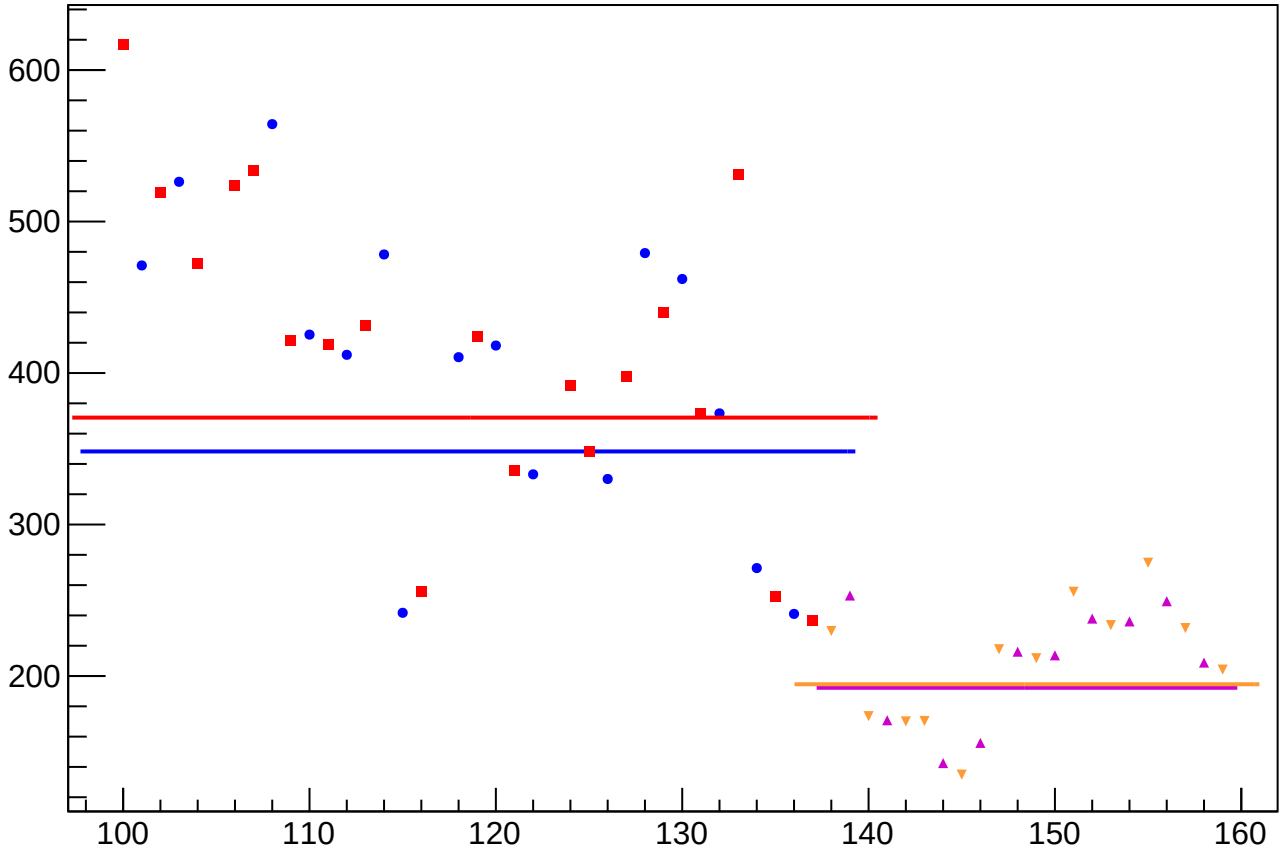
Left In: -55.740+/-66.723 χ^2/NDF:6.7/9

+ sign -273.752+/-58.308 χ^2/NDF: 51.1/27

All: -185.952+/-41.905 χ^2/NDF: 75.8/56

- sign -92.159+/-60.265 χ^2/NDF: 20.0/28

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

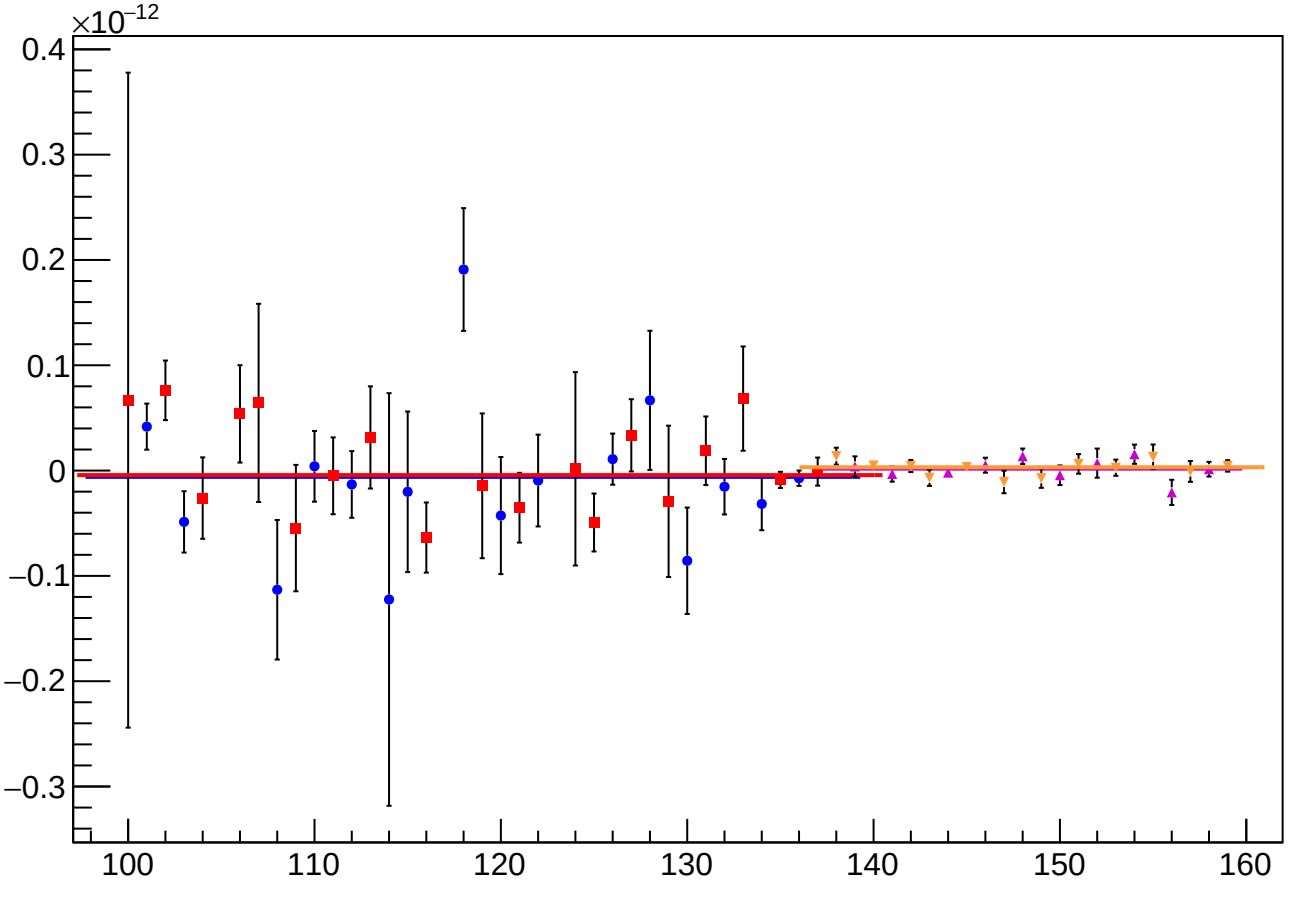
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.243+/-0.047 χ^2/NDF:694146.9/9

+ sign 223.088+/-0.041 χ^2/NDF: 3936077.4/27

All: 224.058+/-0.030 χ^2/NDF: 8181353.6/56

- sign 225.095+/-0.043 χ^2/NDF: 4244129.4/28



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/11

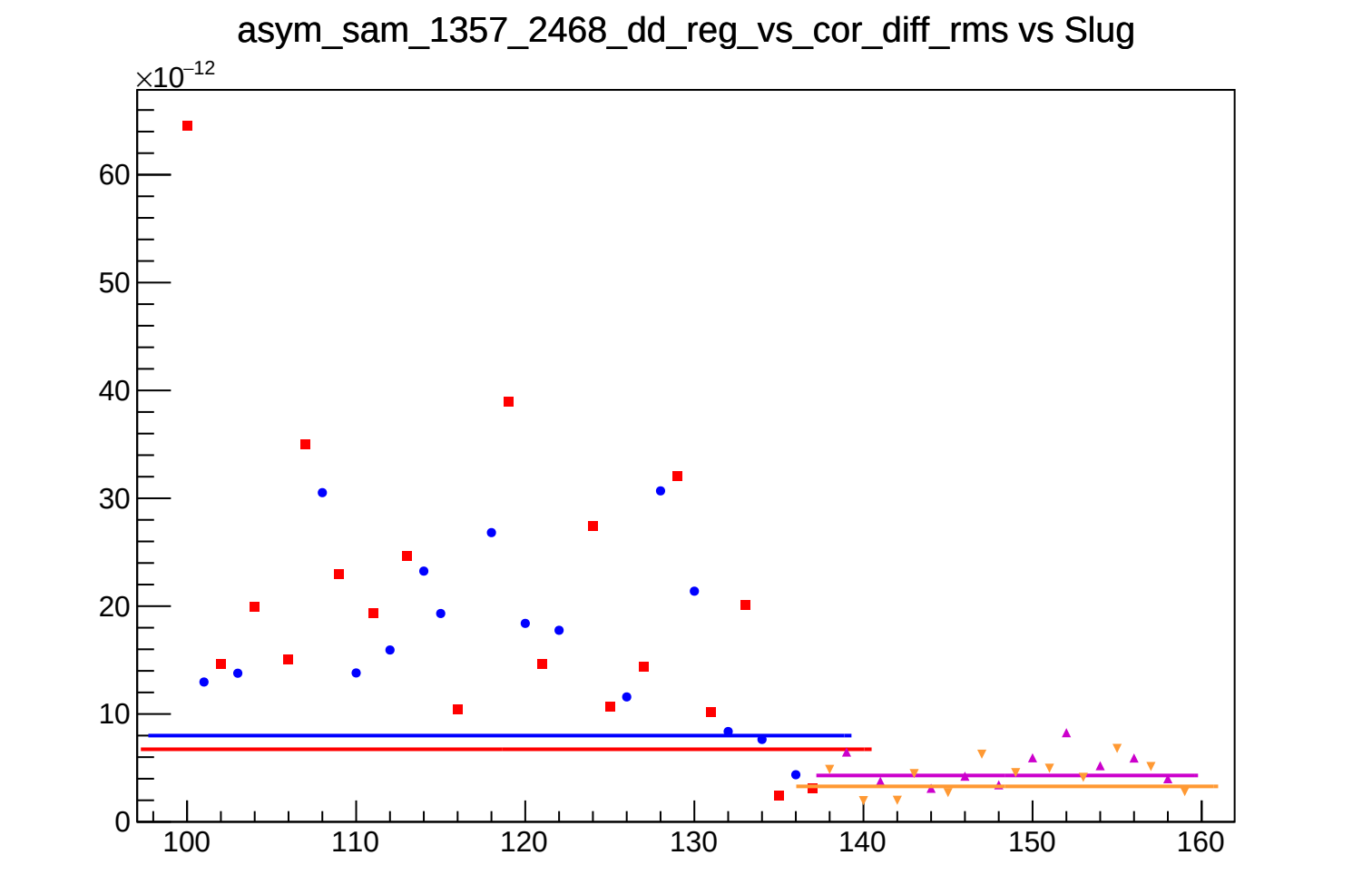
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/9

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/27

All: 0.000+/-0.000 χ^2/NDF: 71.8/56

- sign 0.000+/-0.000 χ^2/NDF: 34.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1019223.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

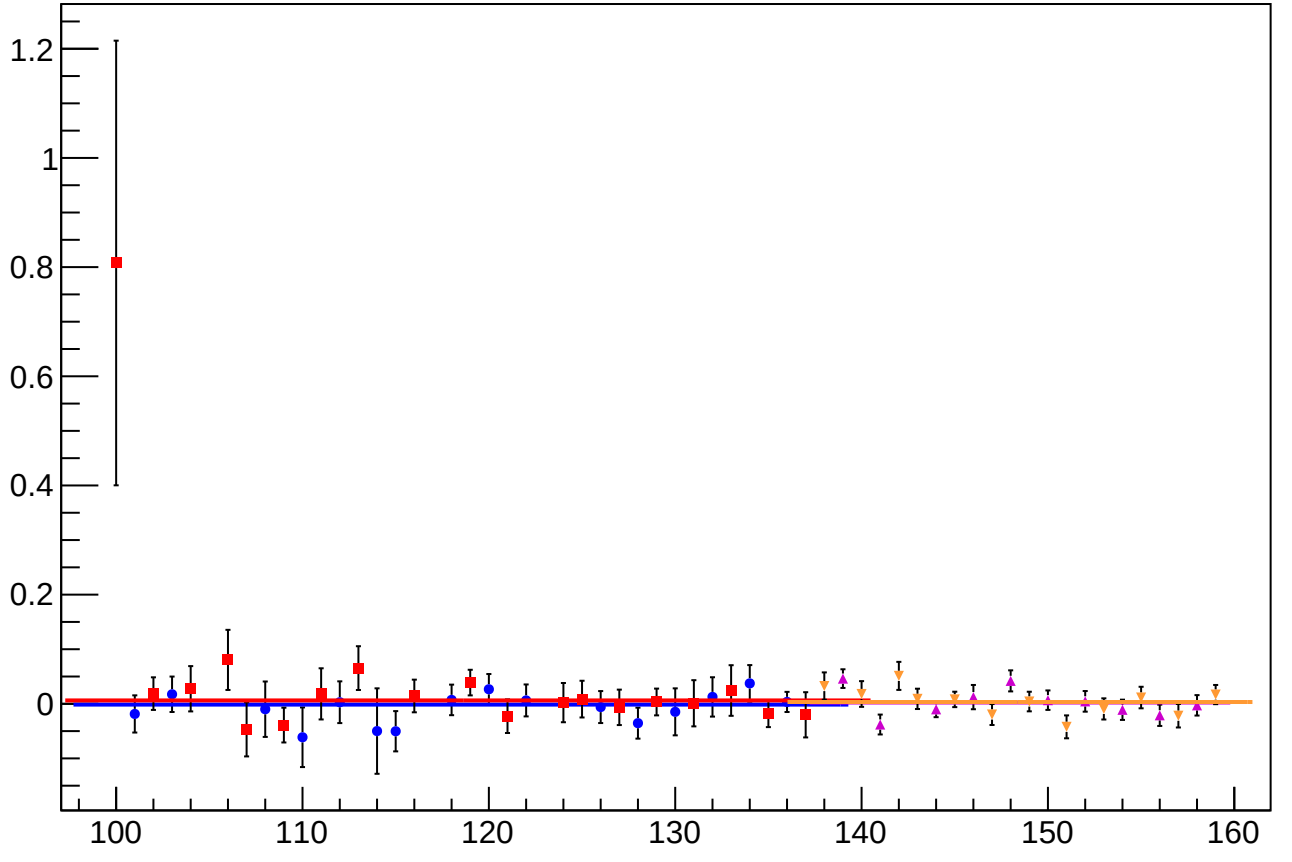
Left In: 0.000+/-0.000 χ^2/NDF:551401.7/9

+ sign 0.000+/-0.000 χ^2/NDF: 4199333.2/27

All: 0.000+/-0.000 χ^2/NDF: 8655860.8/56

- sign 0.000+/-0.000 χ^2/NDF: 4251614.2/28

asym_sam_1357_2468_dd_dit_vs_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

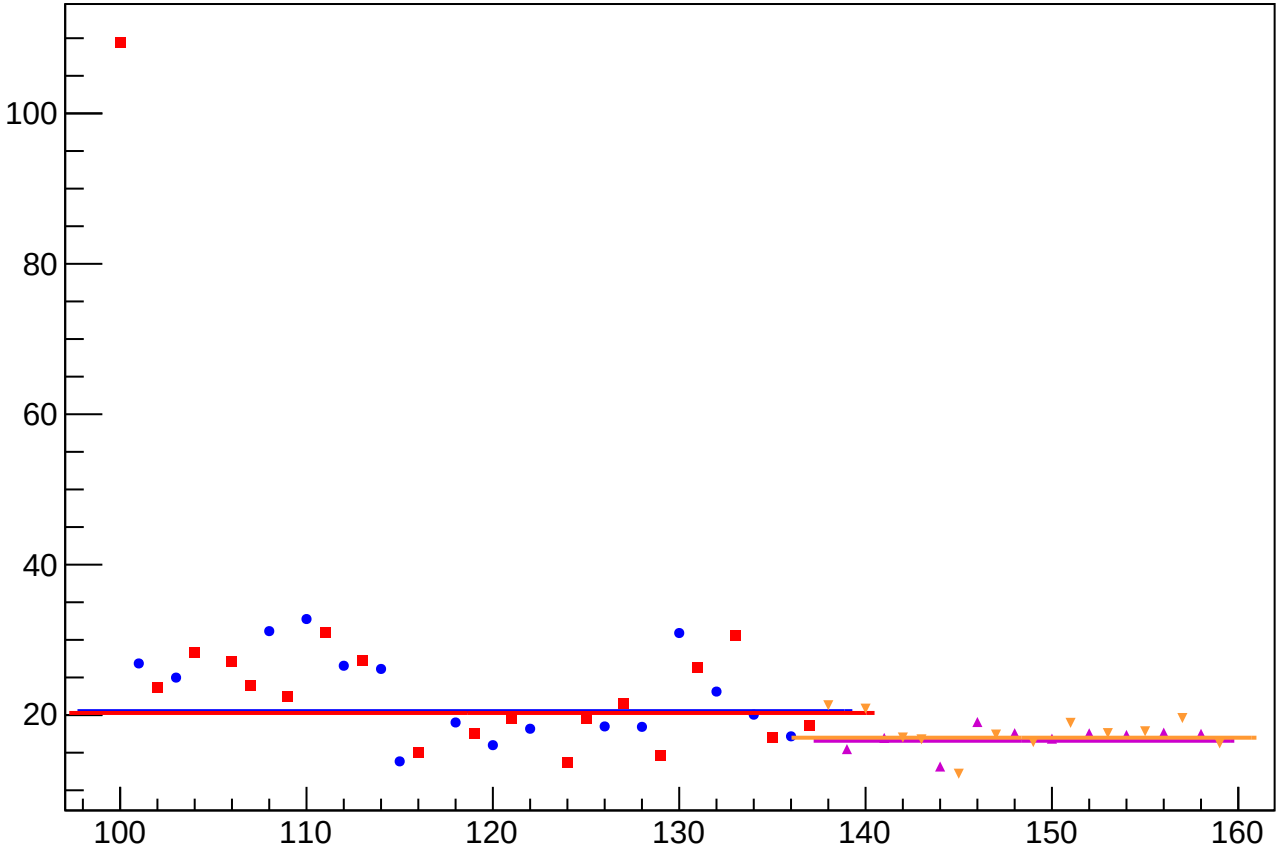
Left In: 0.002+/-0.006 χ^2/NDF:18.7/9

+ sign 0.002+/-0.005 χ^2/NDF: 22.6/27

All: 0.003+/-0.003 χ^2/NDF: 57.8/56

- sign 0.004+/-0.005 χ^2/NDF: 35.1/28

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

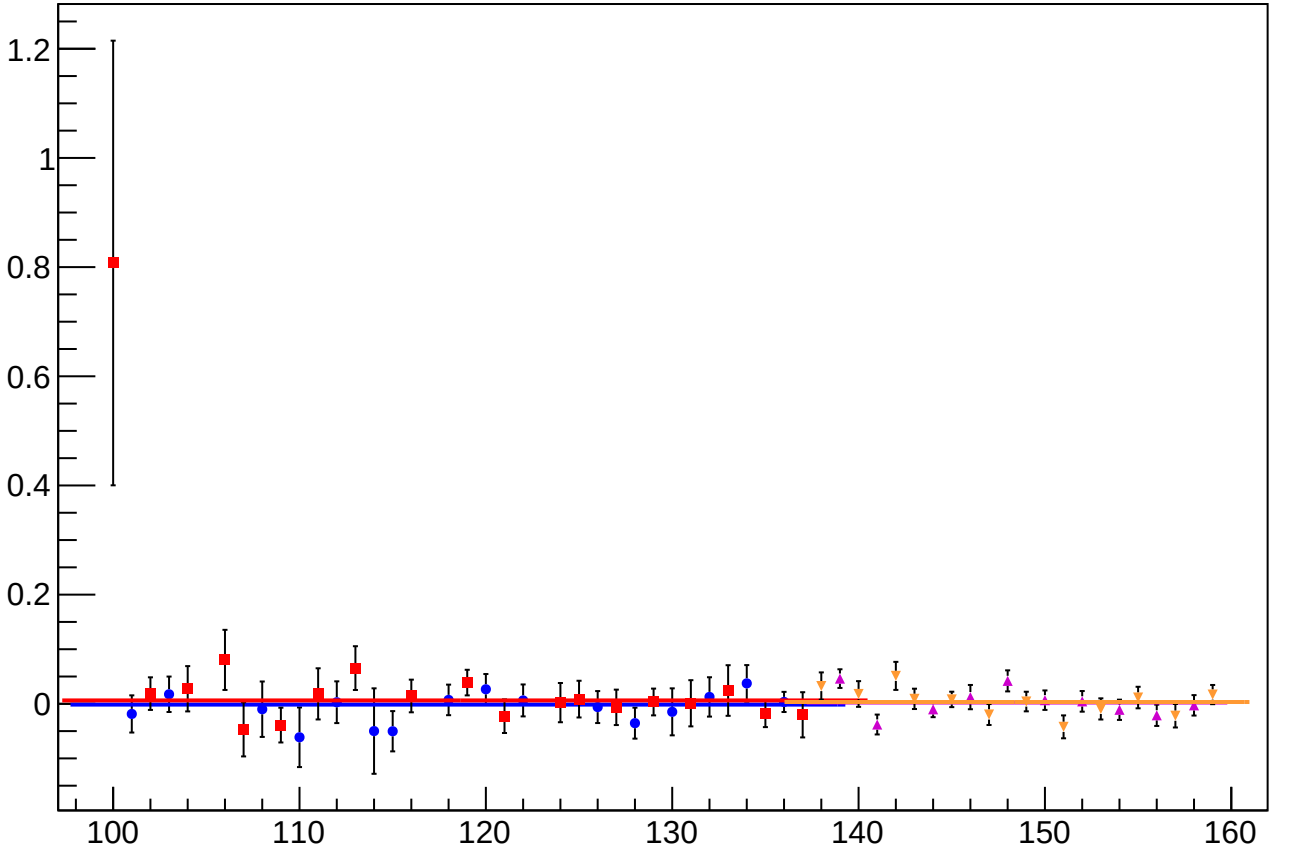
Left In: 16.587+/-0.004 χ^2/NDF:173365.3/9

\+ sign 18.150+/-0.003 χ^2/NDF: 1366707.8/27

All: 18.010+/-0.002 χ^2/NDF: 2694966.6/56

\- sign 17.869+/-0.003 χ^2/NDF: 1324574.8/28

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

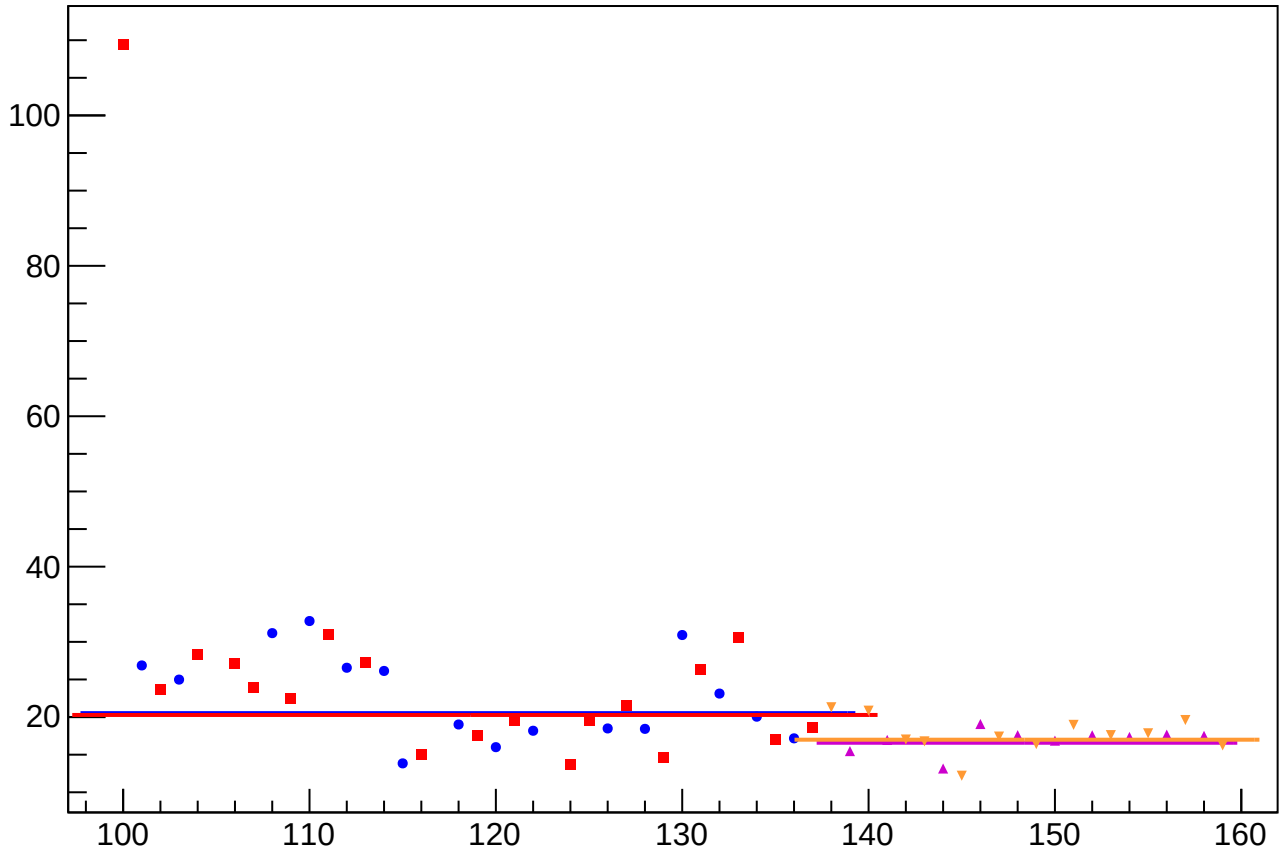
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.006 χ^2/NDF:18.7/9

+ sign 0.002+/-0.005 χ^2/NDF: 22.6/27

All: 0.003+/-0.003 χ^2/NDF: 57.8/56

- sign 0.004+/-0.005 χ^2/NDF: 35.1/28



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.992+/-0.004 χ^2/NDF:402945.4/11

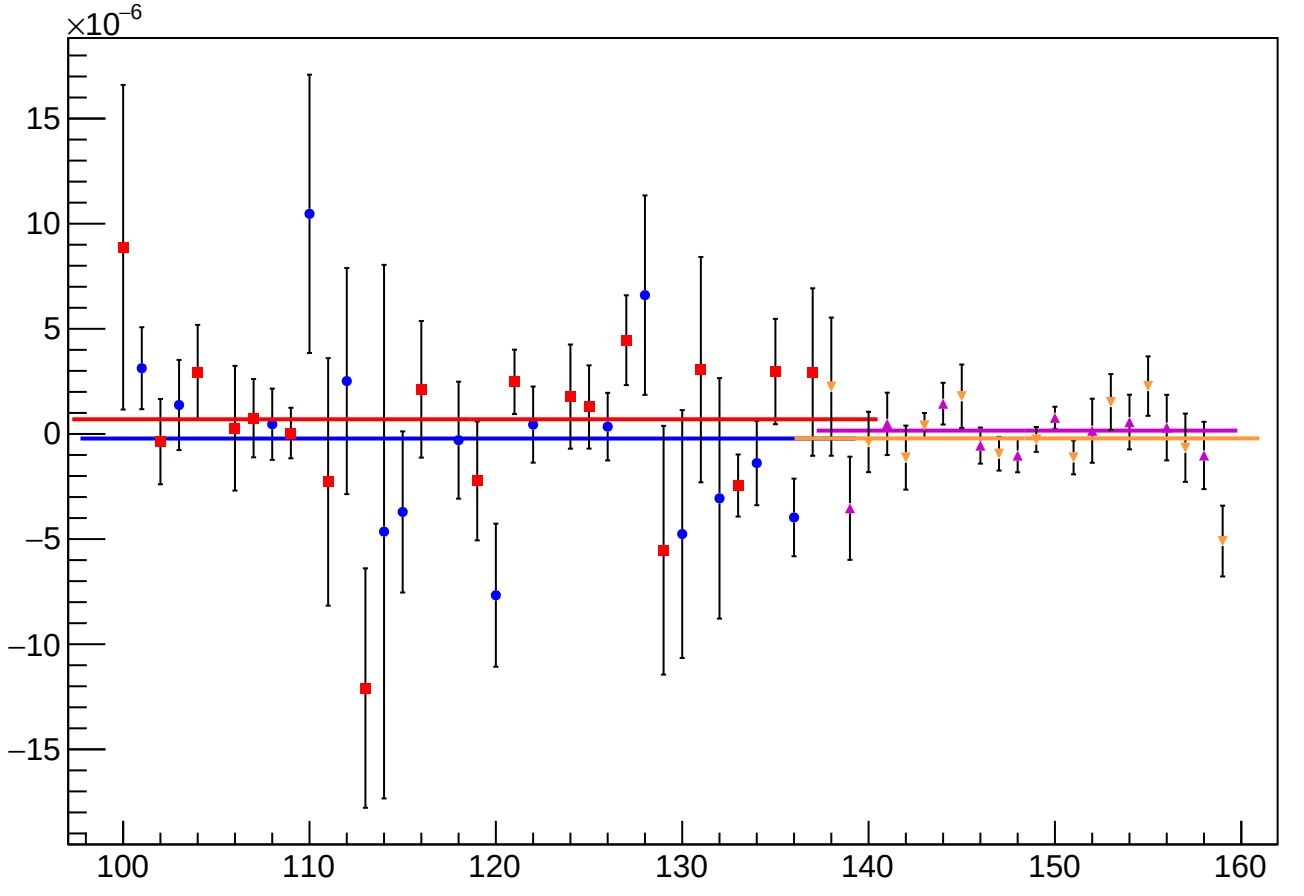
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.587+/-0.004 χ^2/NDF:173365.3/9

+ sign 18.150+/-0.003 χ^2/NDF: 1366707.8/27

All: 18.010+/-0.002 χ^2/NDF: 2694966.6/56

- sign 17.869+/-0.003 χ^2/NDF: 1324574.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/11

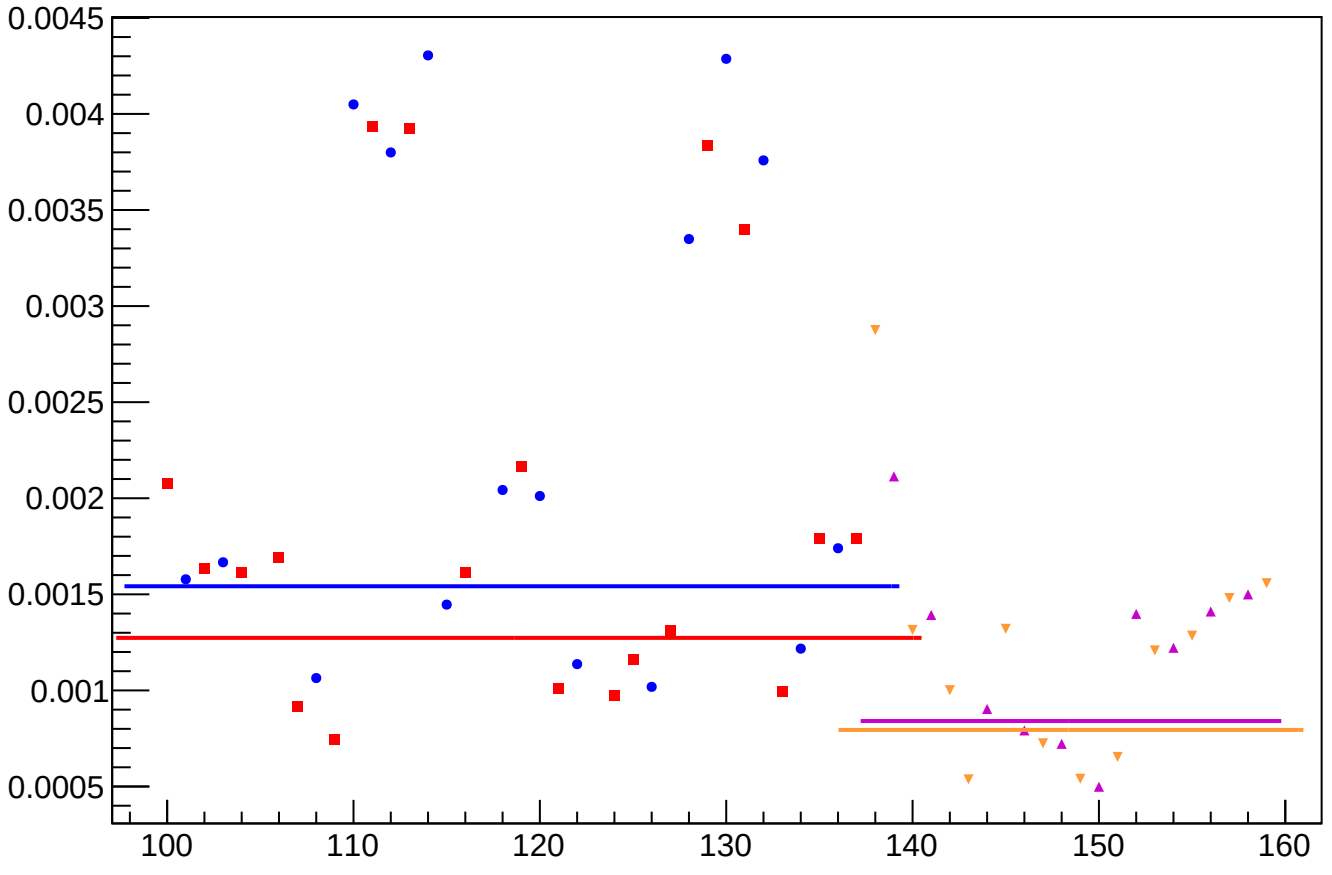
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/27

All: 0.000+/-0.000 χ^2/NDF: 71.5/56

- sign 0.000+/-0.000 χ^2/NDF: 30.7/28



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:3366054.0/11

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

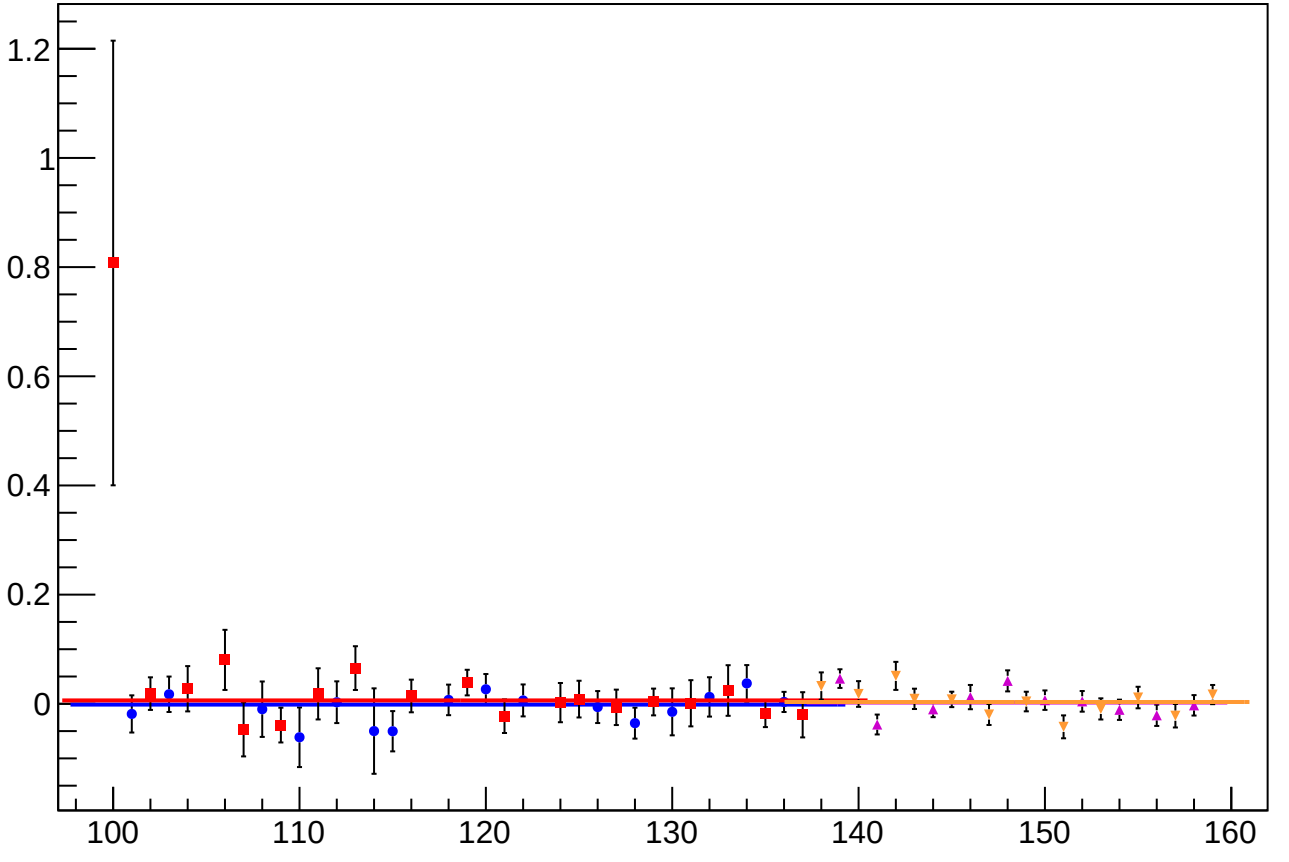
Left In: 0.001+/-0.000 χ^2/NDF:2759824.7/9

+ sign 0.001+/-0.000 χ^2/NDF: 8106967.9/27

All: 0.001+/-0.000 χ^2/NDF: 14547508.8/56

- sign 0.001+/-0.000 χ^2/NDF: 6425650.5/28

asym_sam_1357_2468_dd_eigen_dit_vs_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

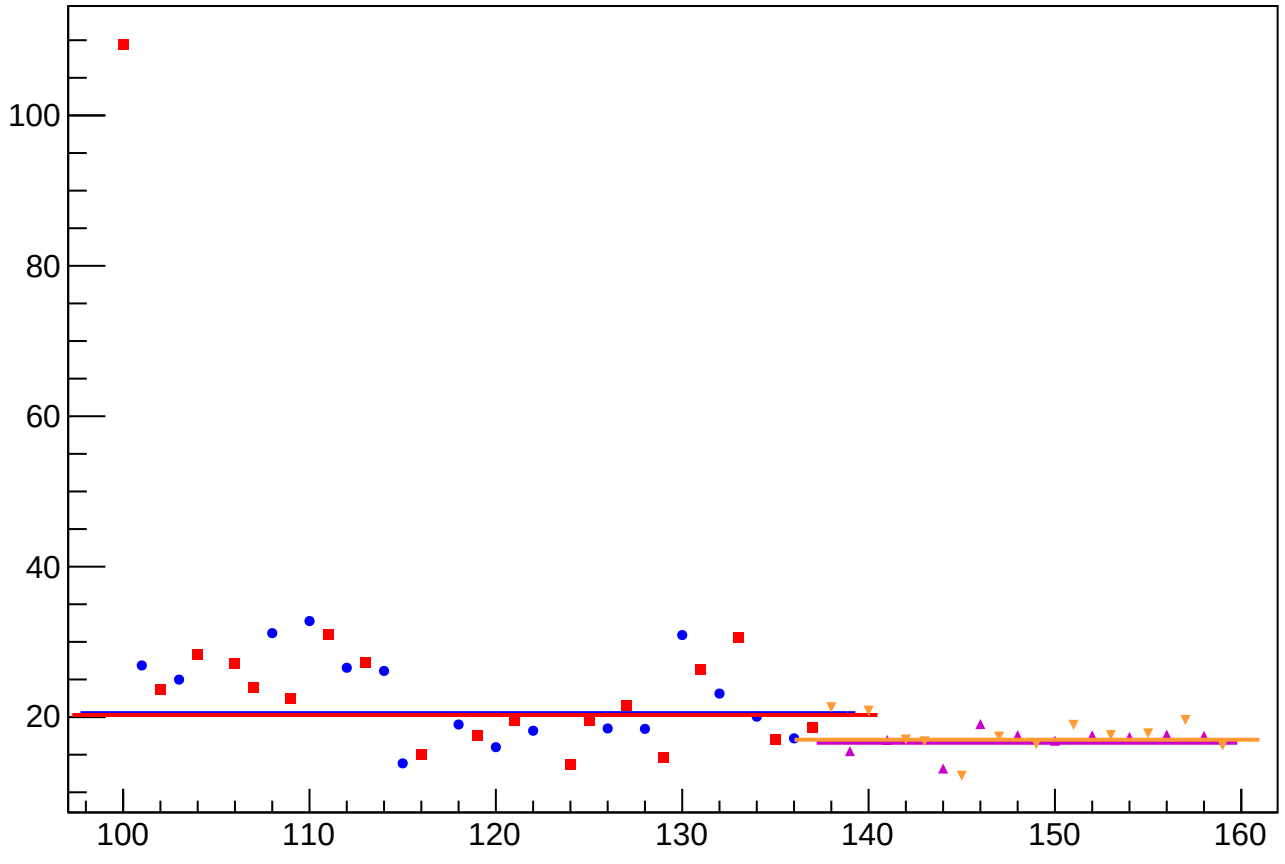
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.006 χ^2/NDF:18.7/9

+ sign 0.002+/-0.005 χ^2/NDF: 22.6/27

All: 0.003+/-0.003 χ^2/NDF: 57.8/56

- sign 0.004+/-0.005 χ^2/NDF: 35.1/28



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

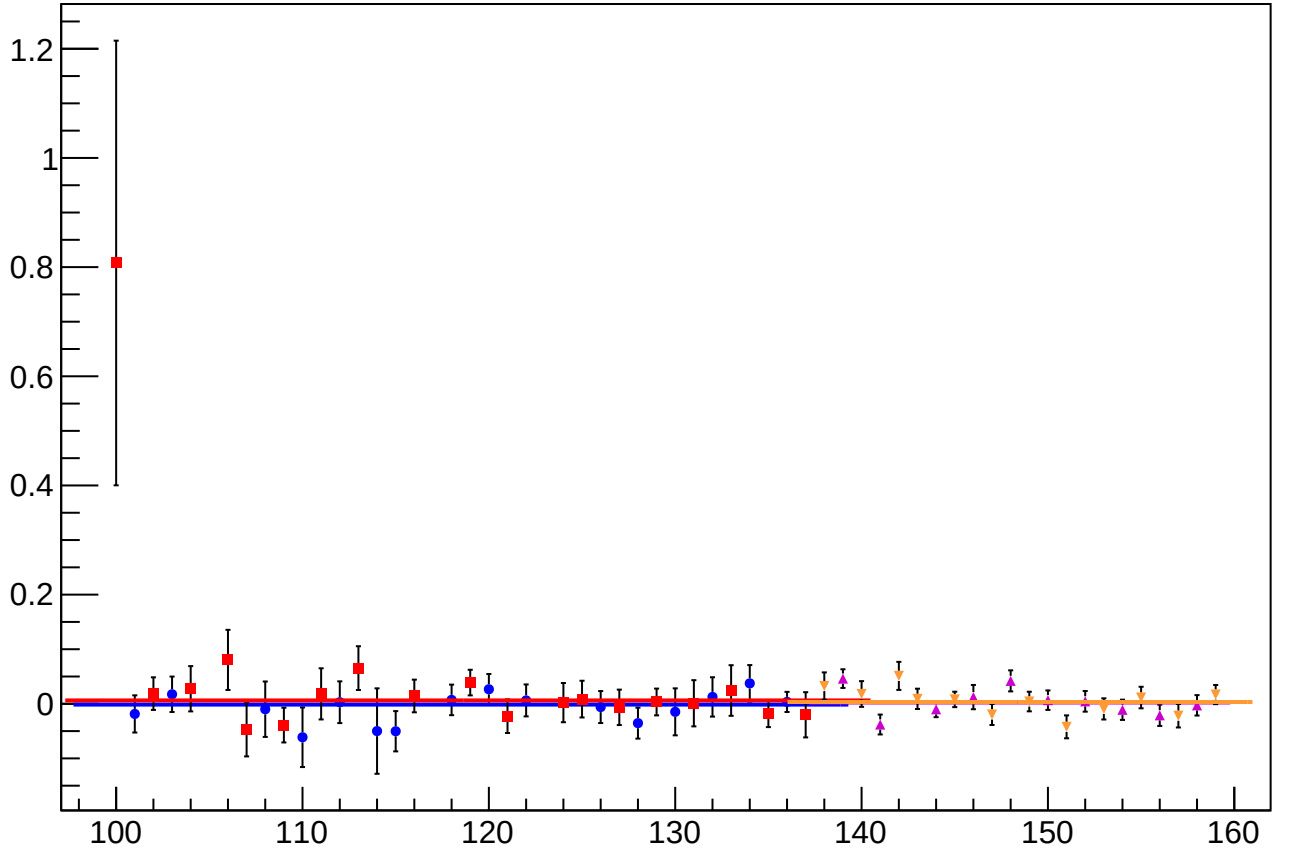
Left In: 16.587+/-0.004 χ^2/NDF:173380.3/9

+ sign 18.150+/-0.003 χ^2/NDF: 1366432.5/27

All: 18.010+/-0.002 χ^2/NDF: 2694609.5/56

- sign 17.869+/-0.003 χ^2/NDF: 1324489.0/28

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

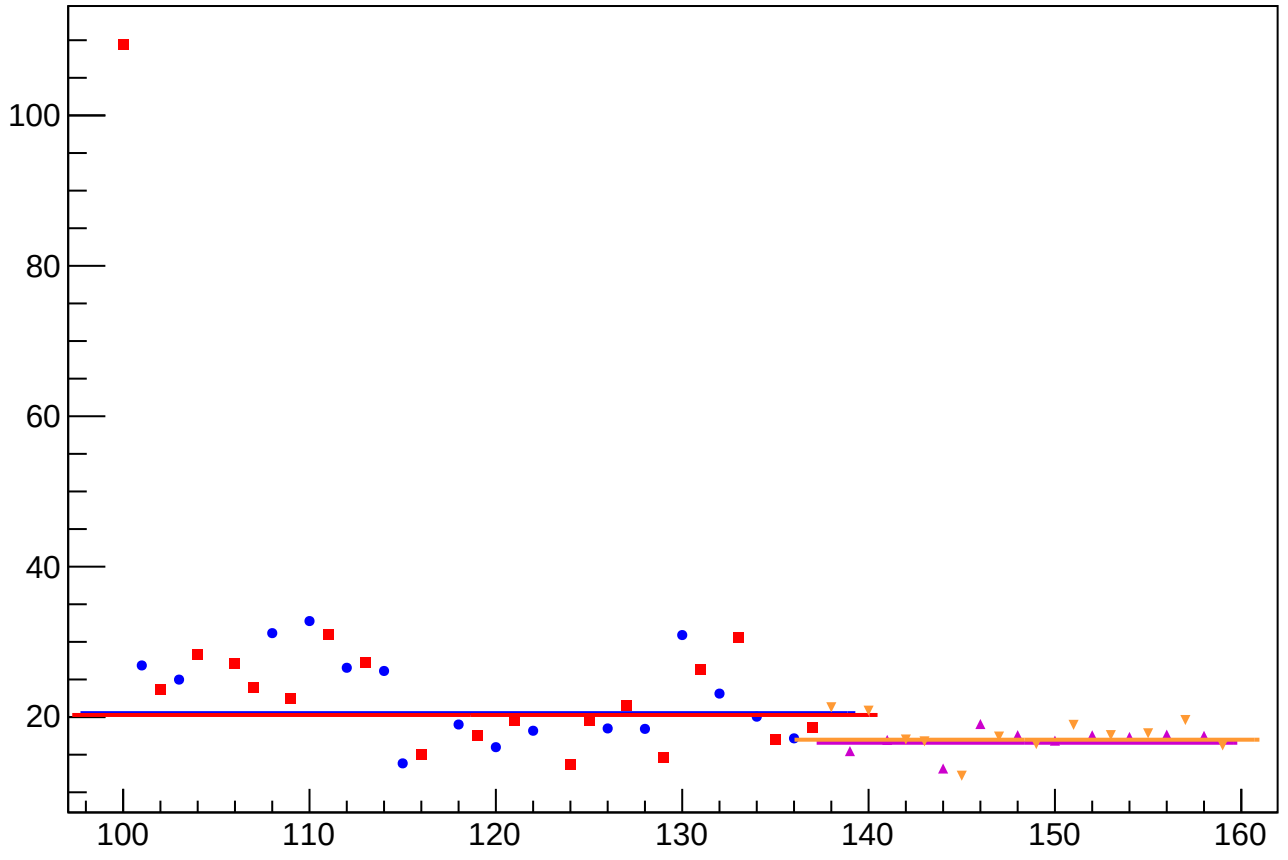
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.006 χ^2/NDF:18.7/9

+ sign 0.002+/-0.005 χ^2/NDF: 22.6/27

All: 0.003+/-0.003 χ^2/NDF: 57.8/56

- sign 0.004+/-0.005 χ^2/NDF: 35.1/28



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.992+/-0.004 χ^2/NDF:402896.7/11

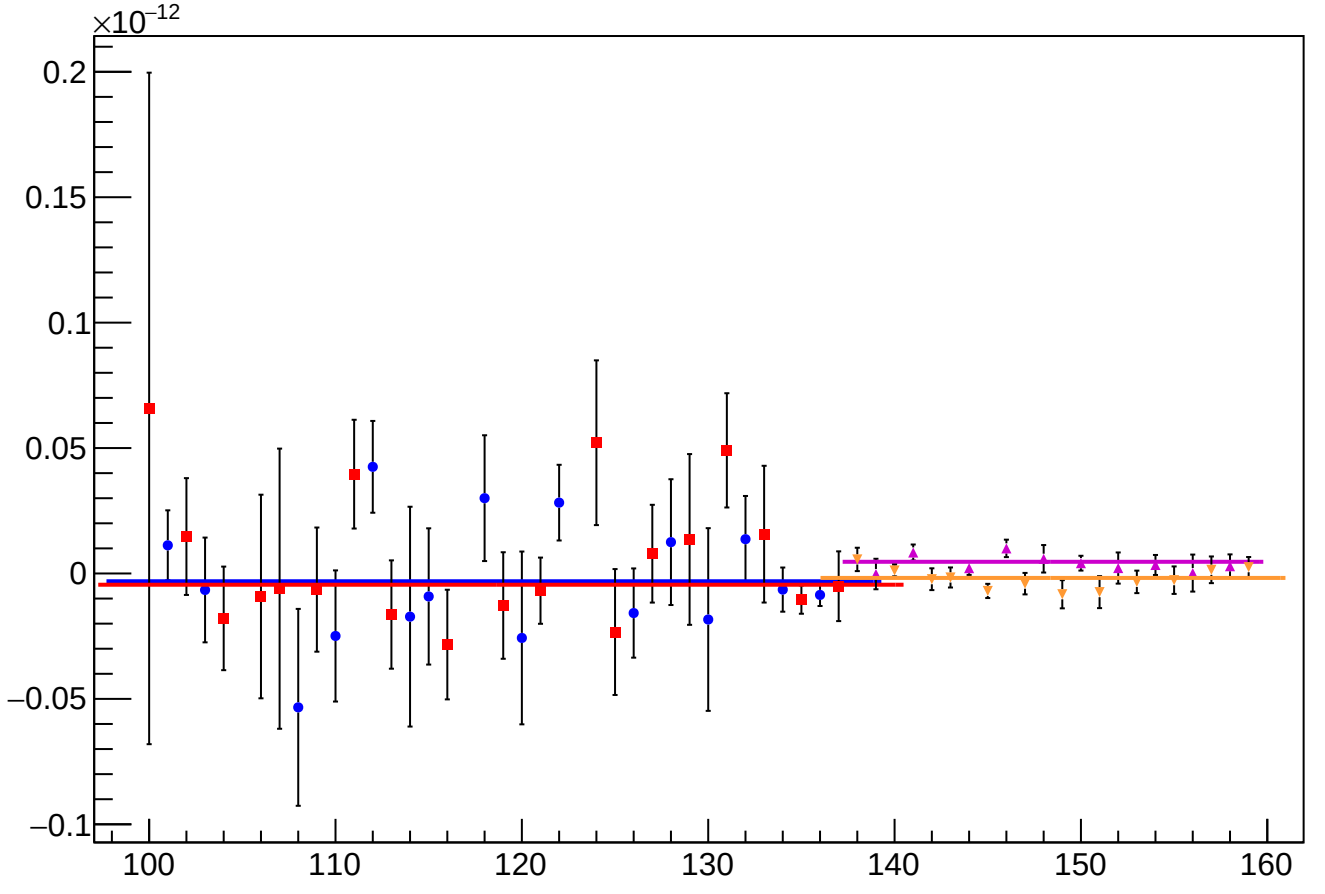
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.587+/-0.004 χ^2/NDF:173380.3/9

+ sign 18.150+/-0.003 χ^2/NDF: 1366432.5/27

All: 18.010+/-0.002 χ^2/NDF: 2694609.5/56

- sign 17.869+/-0.003 χ^2/NDF: 1324489.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/11

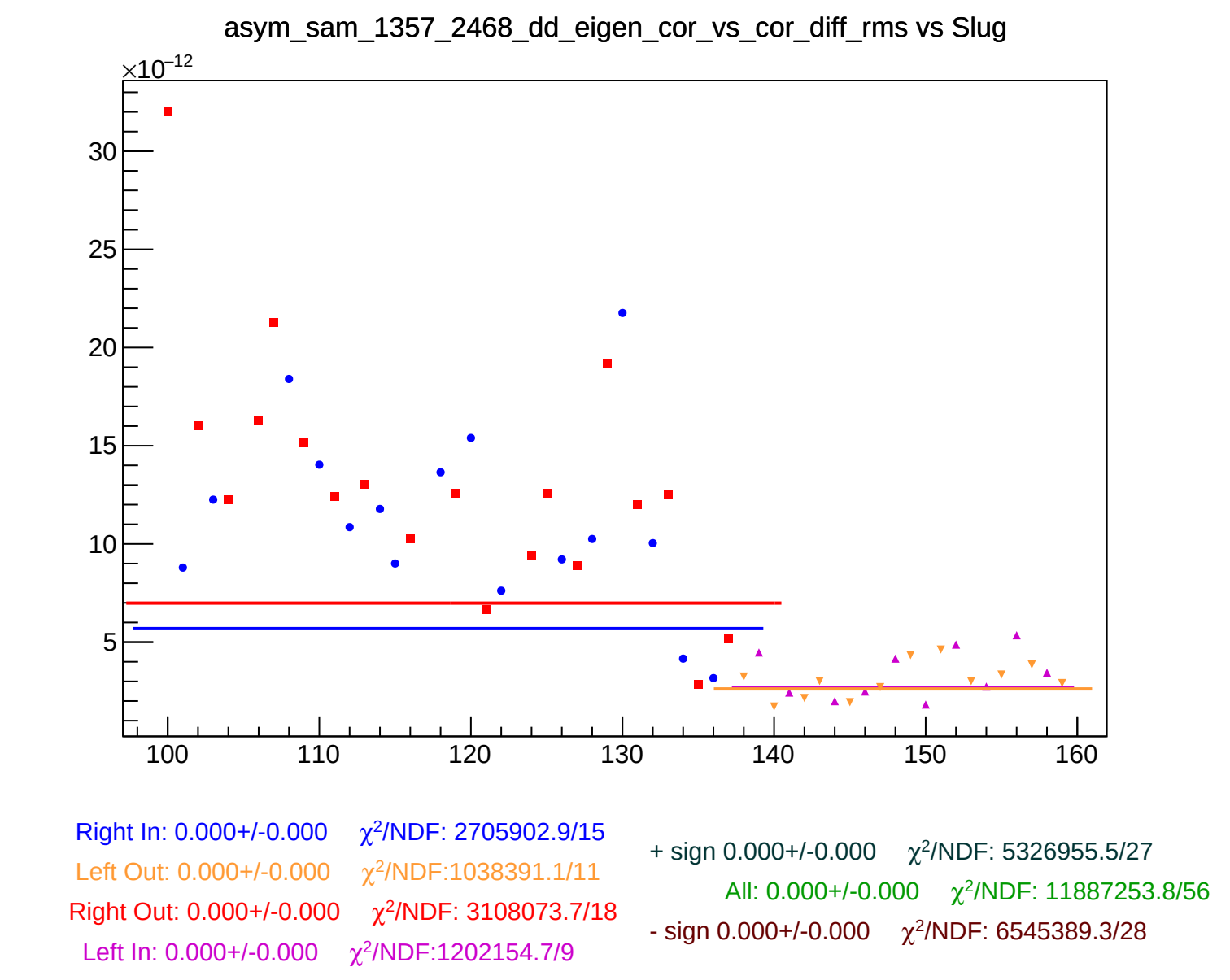
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/9

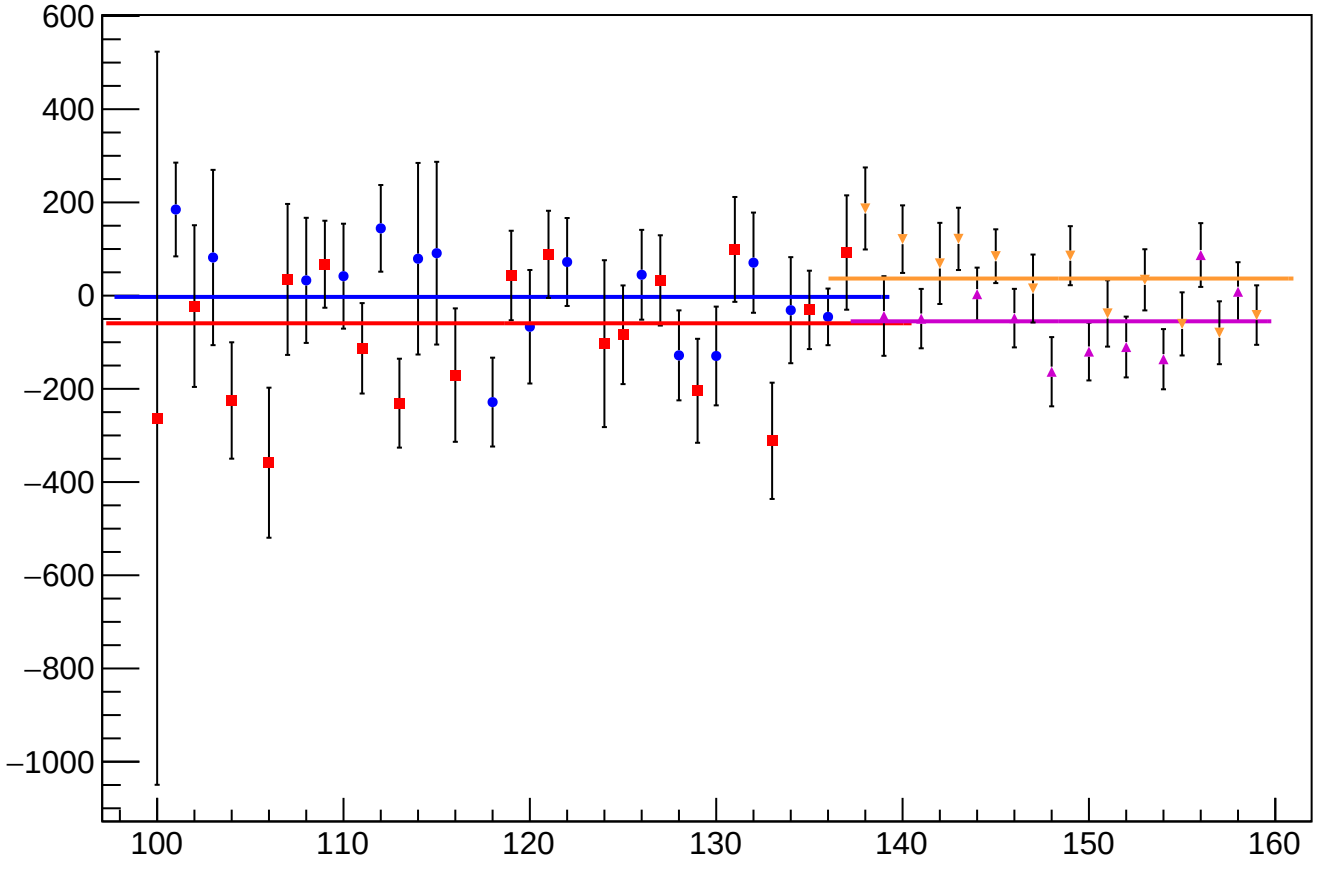
+ sign -0.000+/-0.000 χ^2/NDF: 31.6/27

All: 0.000+/-0.000 χ^2/NDF: 74.1/56

- sign 0.000+/-0.000 χ^2/NDF: 29.8/28


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1038391.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1202154.7/9
+ sign 0.000+/-0.000 χ²/NDF: 5326955.5/27
All: 0.000+/-0.000 χ²/NDF: 11887253.8/56
- sign 0.000+/-0.000 χ²/NDF: 6545389.3/28

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

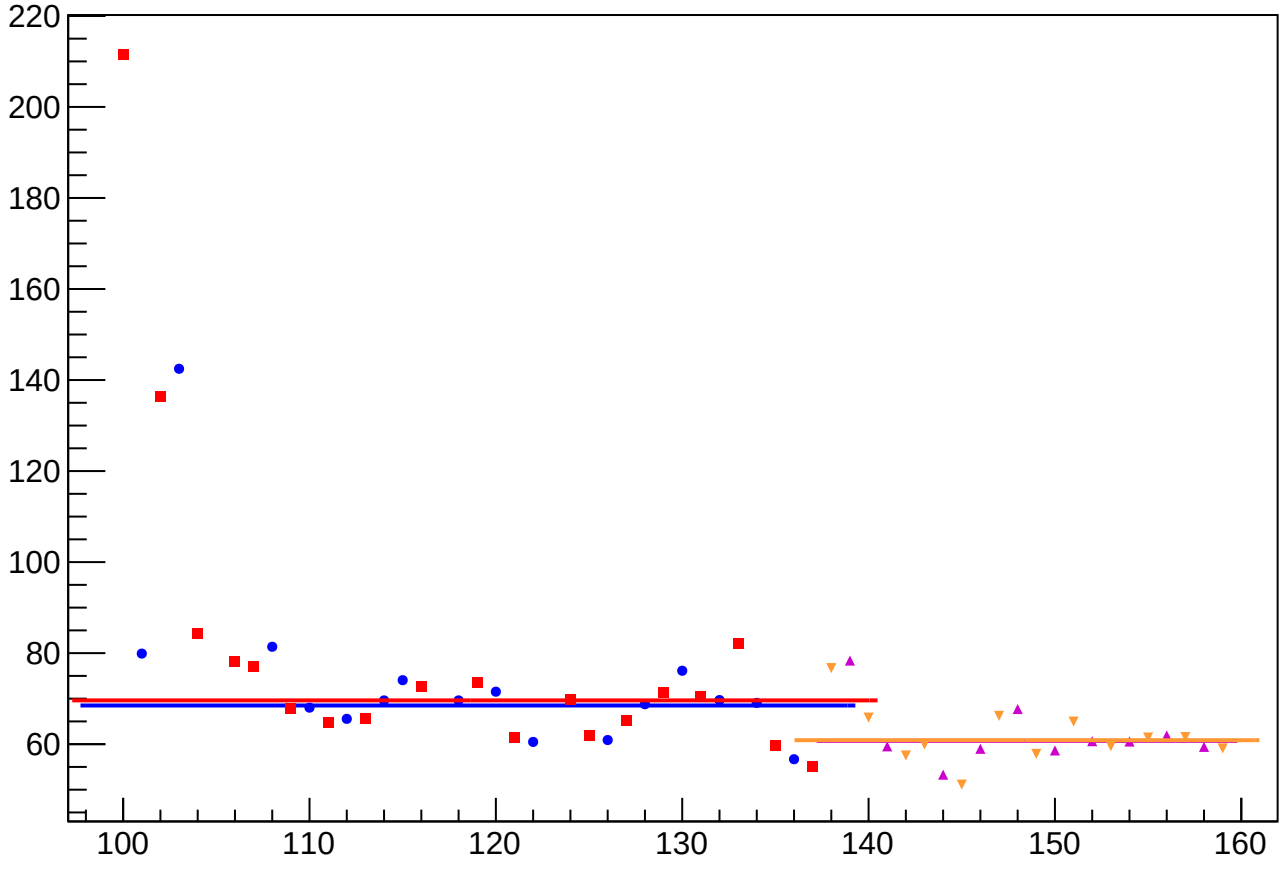
Left In: -55.103+/-20.736 χ^2/NDF:11.9/9

+ sign 22.249+/-15.849 χ^2/NDF: 34.2/27

All: -16.123+/-11.364 χ^2/NDF: 83.9/56

- sign -56.725+/-16.303 χ^2/NDF: 37.7/28

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

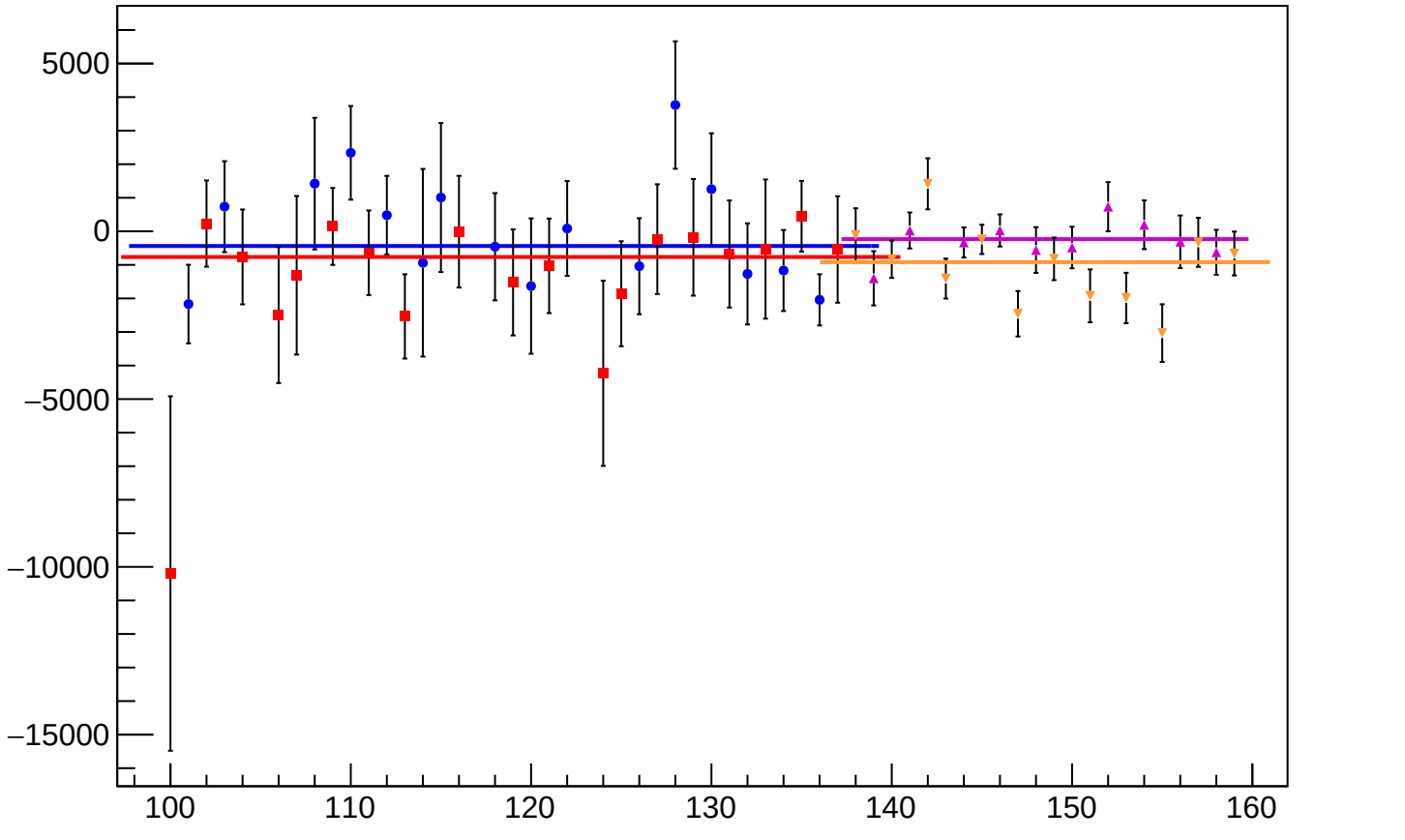
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

+ sign 63.660+/-0.011 χ^2/NDF: 738605.1/27

All: 63.883+/-0.008 χ^2/NDF: 1543694.2/56

- sign 64.119+/-0.012 χ^2/NDF: 804272.9/28



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -919.804+/-188.275 χ^2/NDF:29.2/11

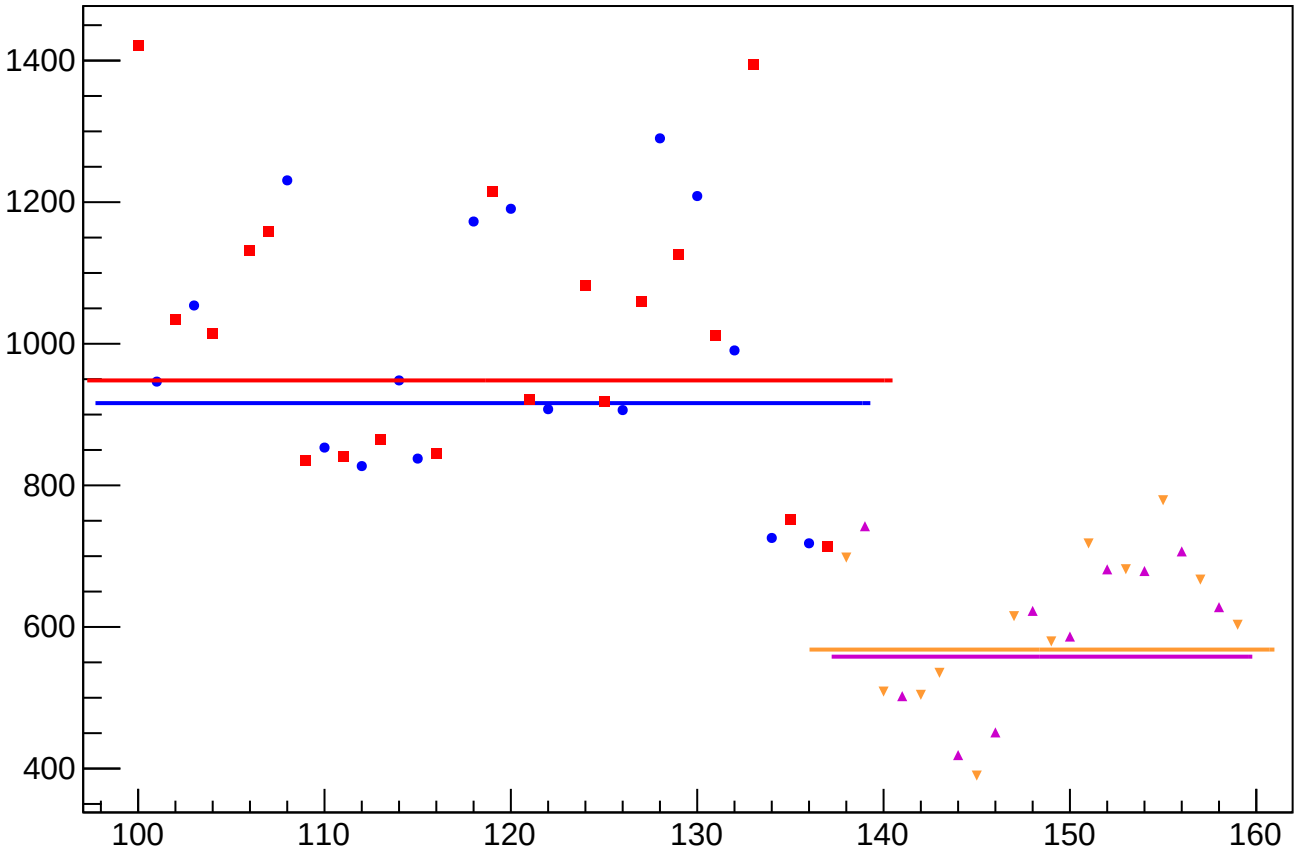
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -232.657+/-193.436 χ^2/NDF:5.5/9

+ sign -811.010+/-165.688 χ^2/NDF: 51.3/27

All: -588.695+/-118.532 χ^2/NDF: 73.5/56

- sign -355.644+/-169.642 χ^2/NDF: 18.6/28



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

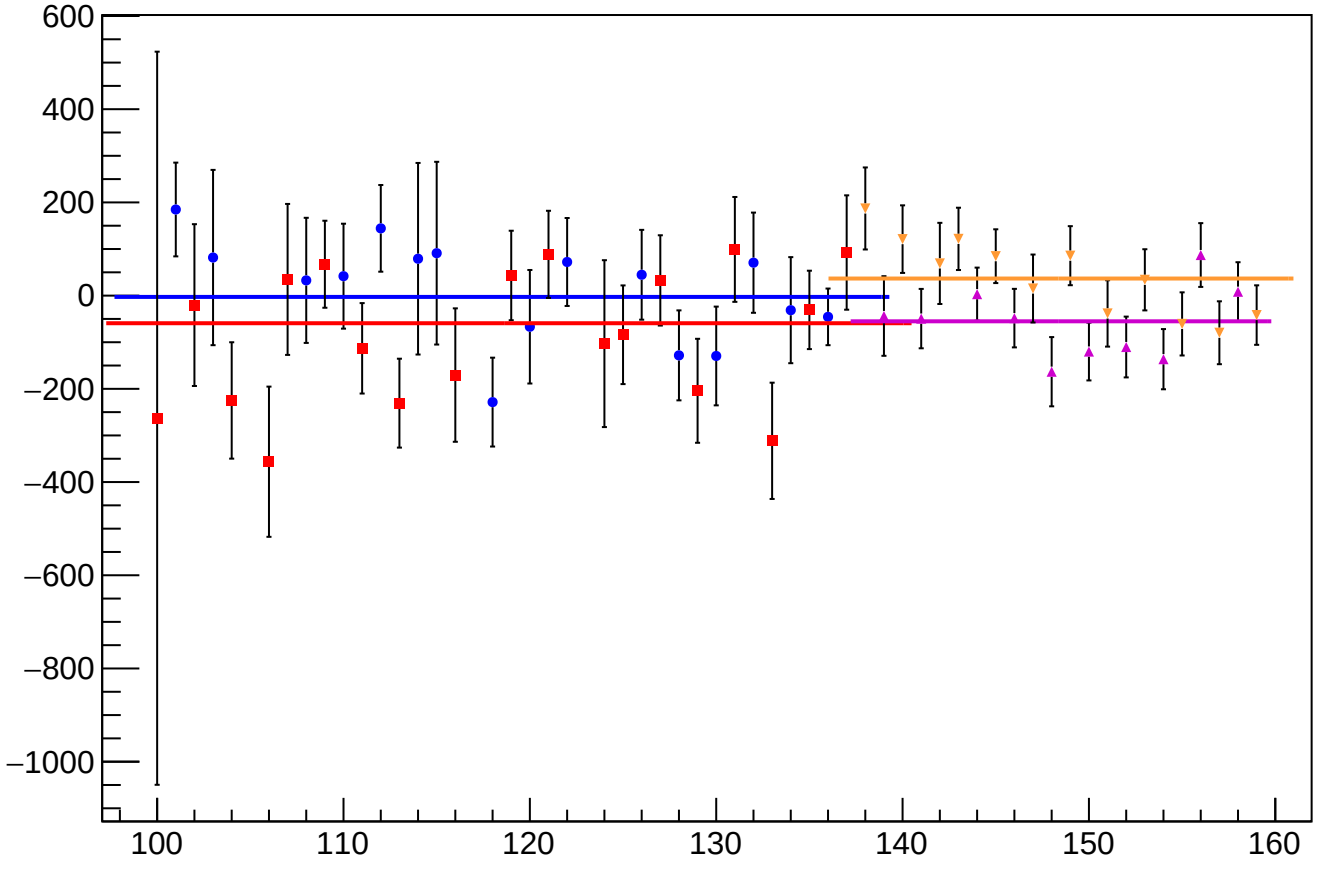
Left In: 558.051+/-0.137 χ^2/NDF:646126.2/9

+ sign 646.580+/-0.117 χ^2/NDF: 2770704.7/27

All: 647.340+/-0.084 χ^2/NDF: 5710933.9/56

- sign 648.137+/-0.120 χ^2/NDF: 2940143.0/28

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

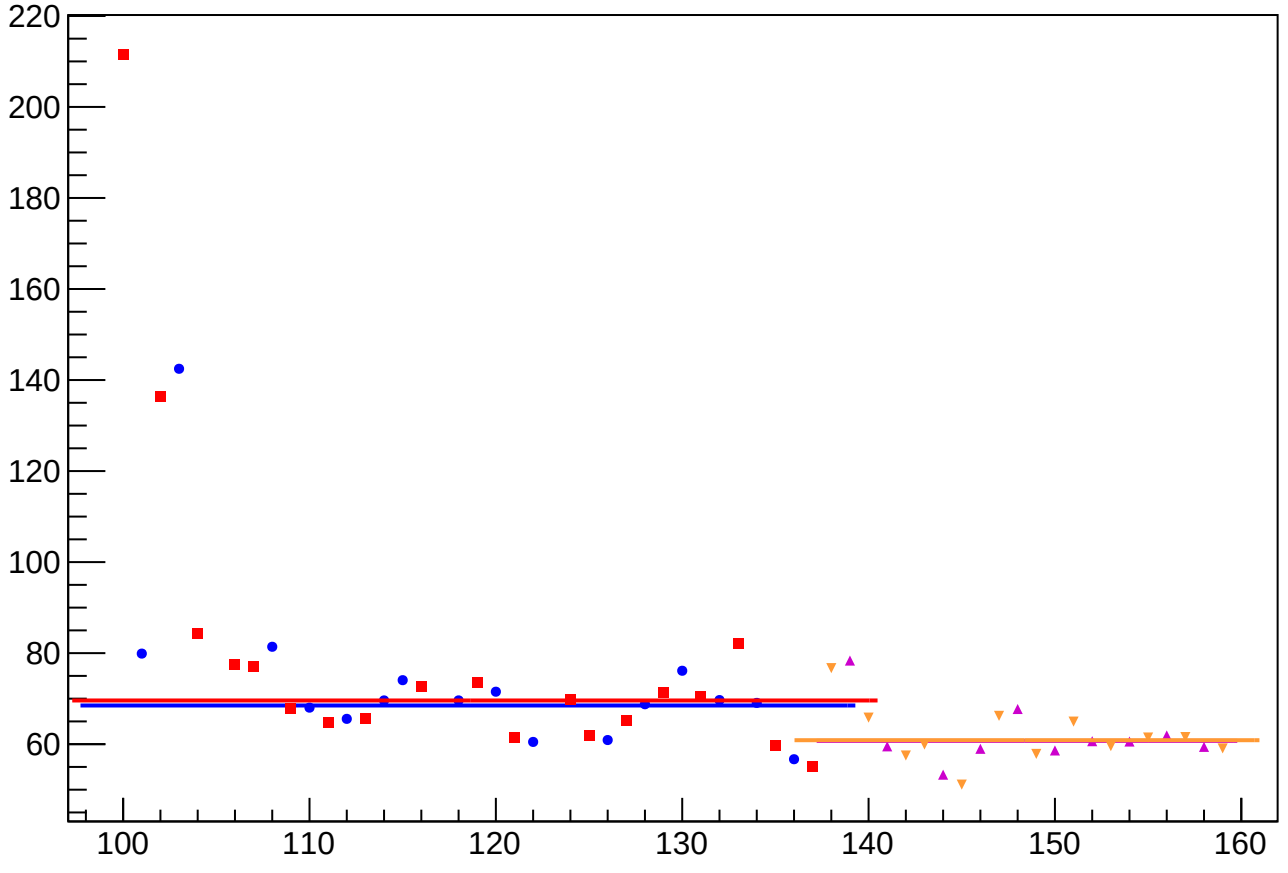
Left In: -55.105+/-20.736 χ^2/NDF:11.9/9

+ sign 22.248+/-15.849 χ^2/NDF: 34.2/27

All: -16.101+/-11.364 χ^2/NDF: 83.8/56

- sign -56.679+/-16.303 χ^2/NDF: 37.6/28

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

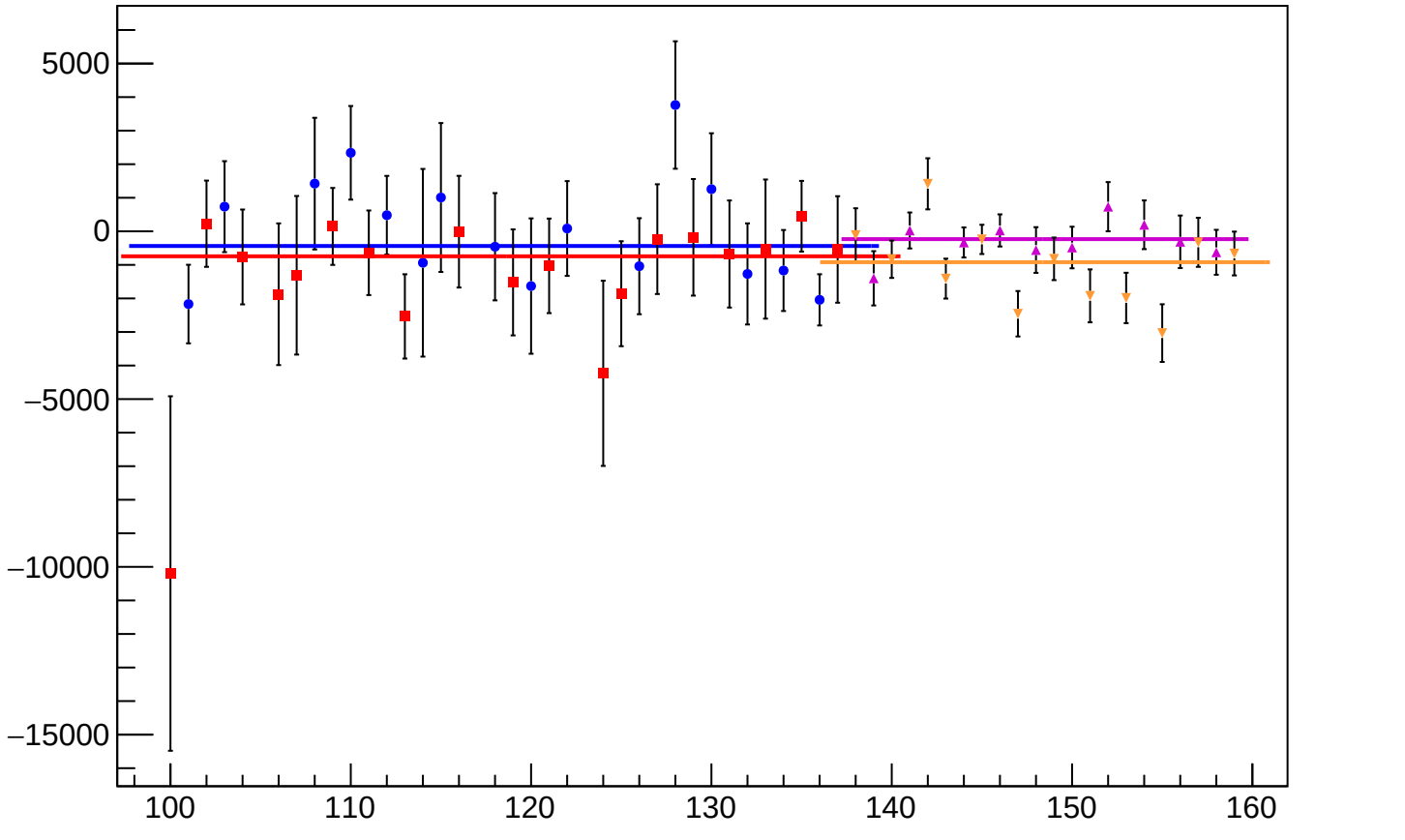
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

+ sign 63.660+/-0.011 χ^2/NDF: 738608.1/27

All: 63.879+/-0.008 χ^2/NDF: 1542440.6/56

- sign 64.111+/-0.012 χ^2/NDF: 803042.9/28



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

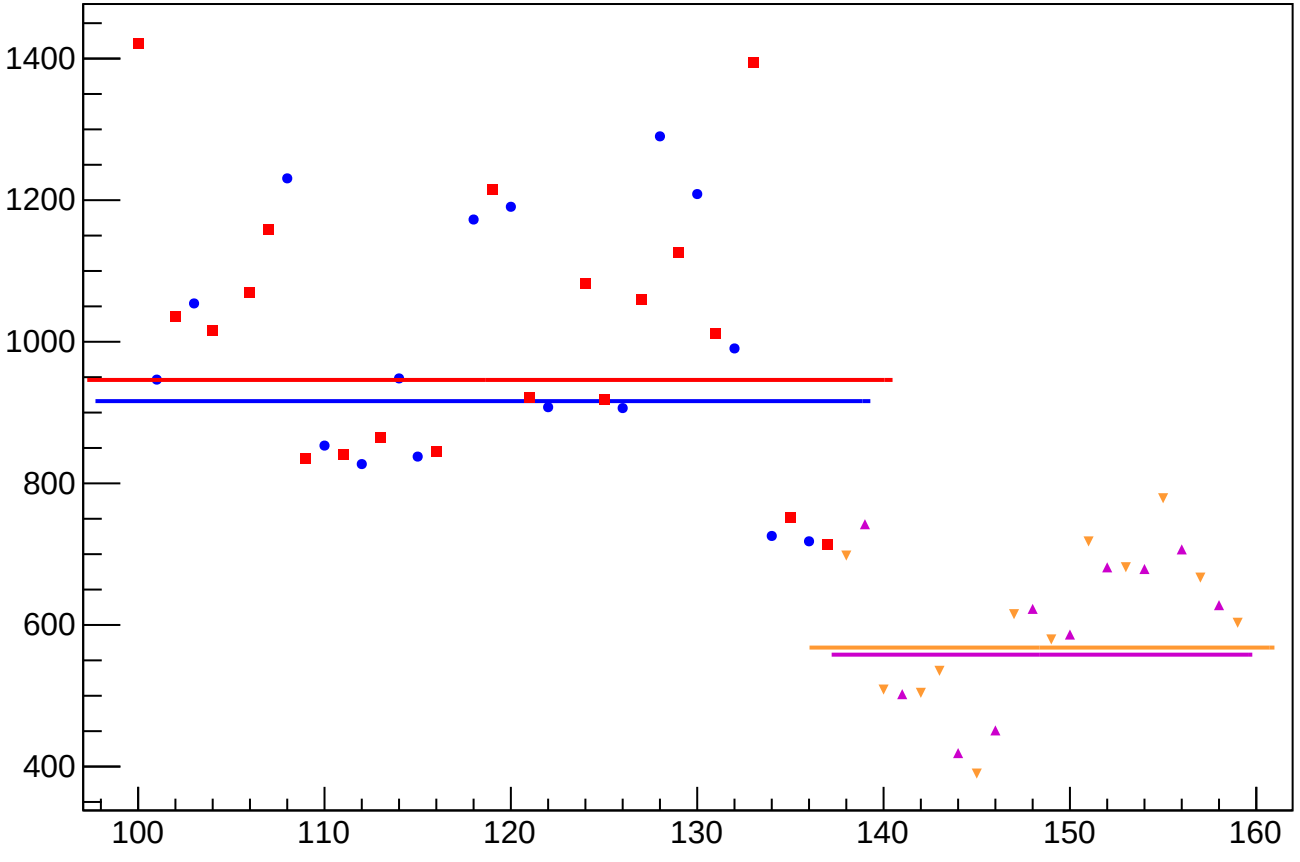
Left In: -232.660+/-193.436 χ^2/NDF:5.5/9

+ sign -811.002+/-165.688 χ^2/NDF: 51.3/27

All: -586.286+/-118.549 χ^2/NDF: 73.0/56

- sign -350.585+/-169.690 χ^2/NDF: 18.0/28

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.067+/-0.133 χ^2/NDF:719554.8/11

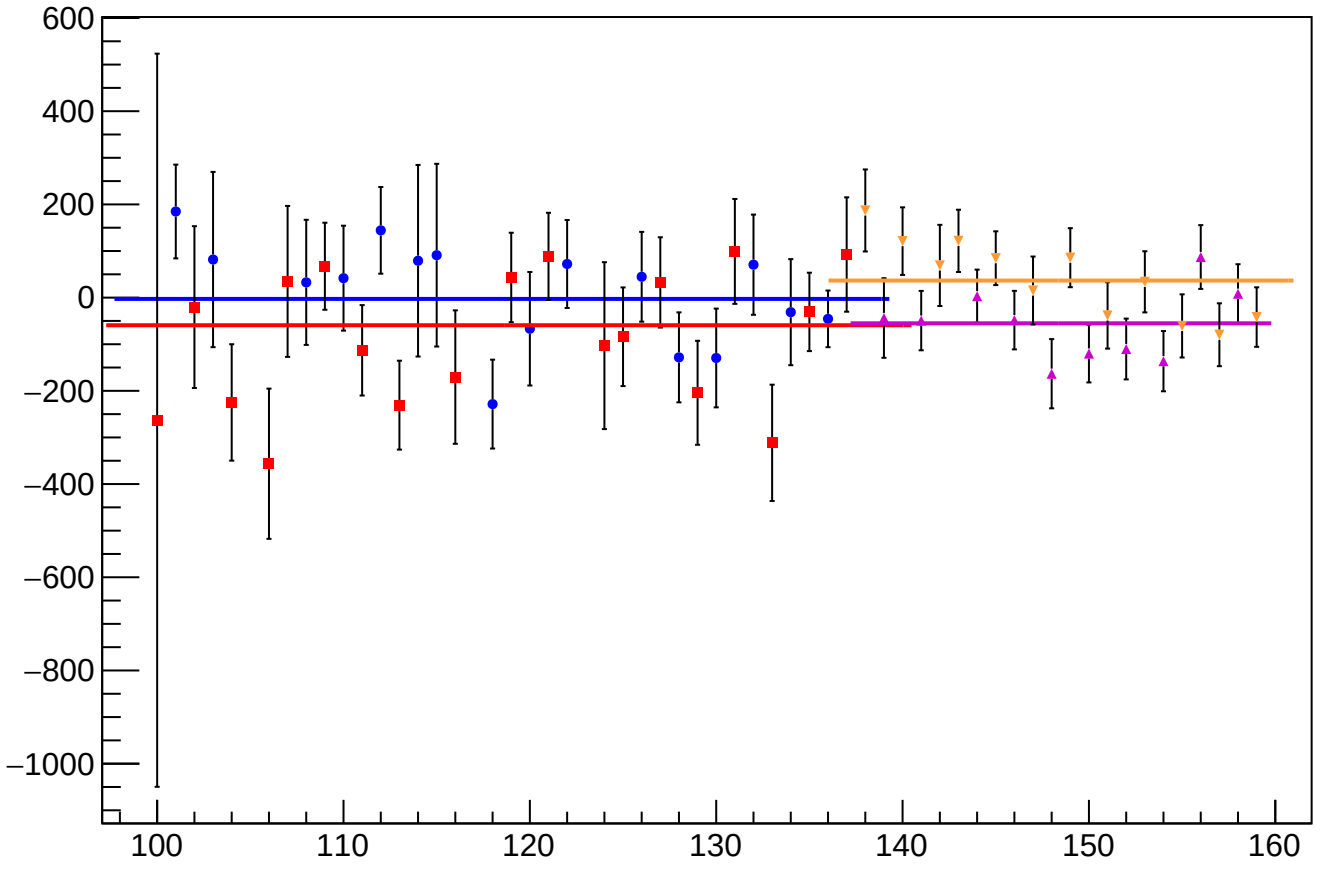
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.051+/-0.137 χ^2/NDF:646124.1/9

+ sign 646.580+/-0.117 χ^2/NDF: 2770754.4/27

All: 647.016+/-0.084 χ^2/NDF: 5677037.3/56

- sign 647.472+/-0.120 χ^2/NDF: 2906254.6/28



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

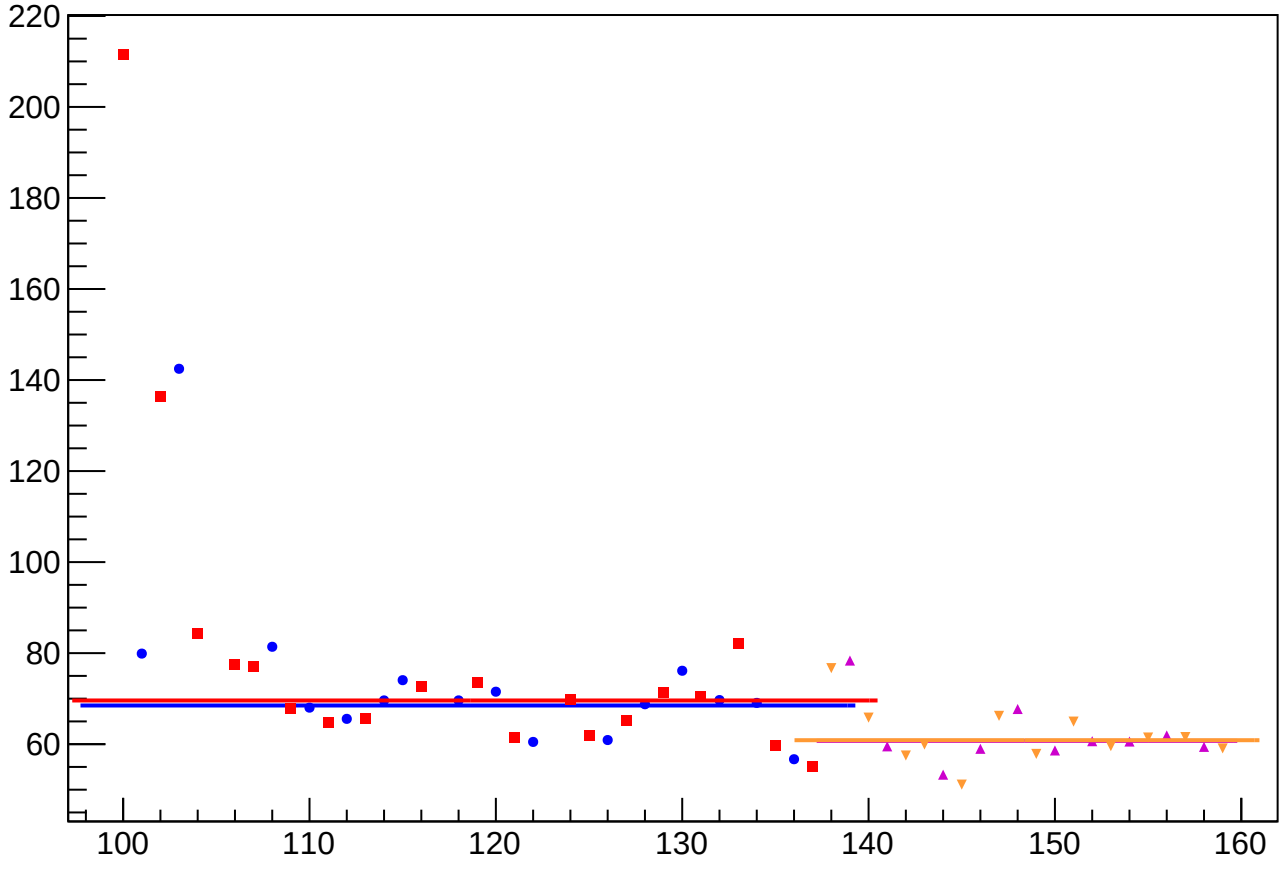
Left In: -55.105+/-20.736 χ^2/NDF:11.9/9

+ sign 22.248+/-15.849 χ^2/NDF: 34.2/27

All: -16.101+/-11.364 χ^2/NDF: 83.8/56

- sign -56.679+/-16.303 χ^2/NDF: 37.6/28

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

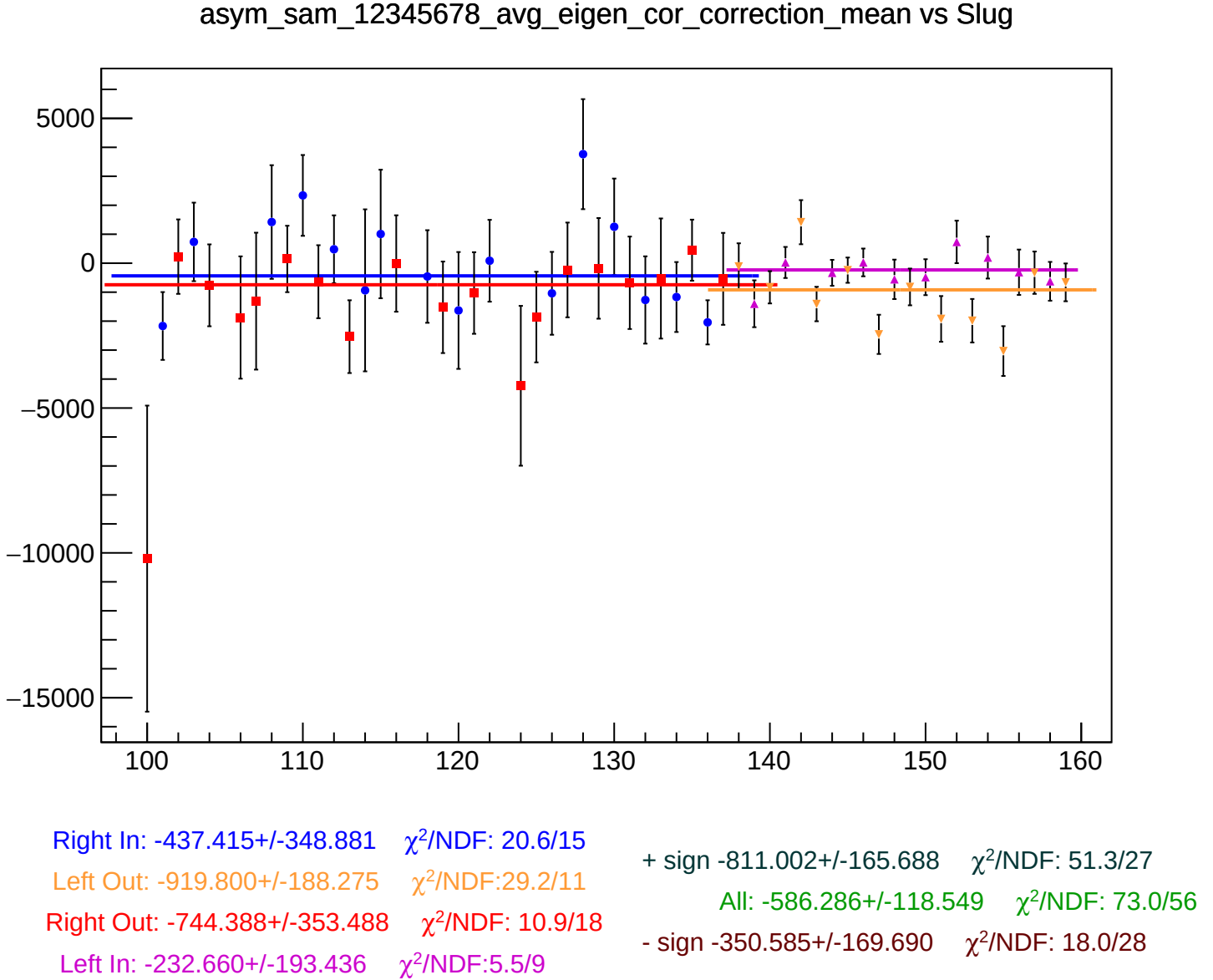
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

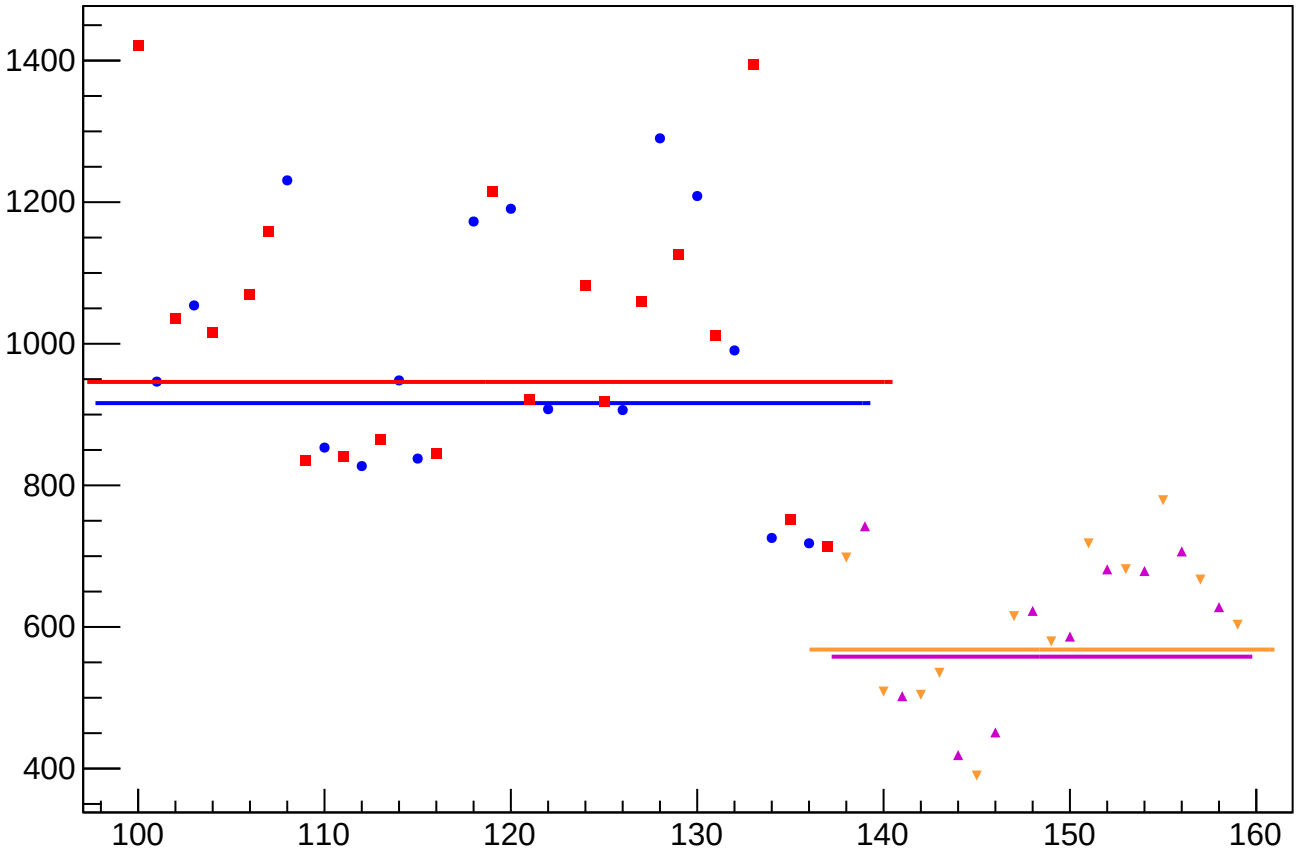
Left In: 60.721+/-0.015 χ^2/NDF:143206.0/9

+ sign 63.660+/-0.011 χ^2/NDF: 738608.1/27

All: 63.879+/-0.008 χ^2/NDF: 1542440.6/56

- sign 64.111+/-0.012 χ^2/NDF: 803042.9/28


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: -232.660+/-193.436 χ²/NDF:5.5/9
+ sign -811.002+/-165.688 χ²/NDF: 51.3/27
All: -586.286+/-118.549 χ²/NDF: 73.0/56
- sign -350.585+/-169.690 χ²/NDF: 18.0/28



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

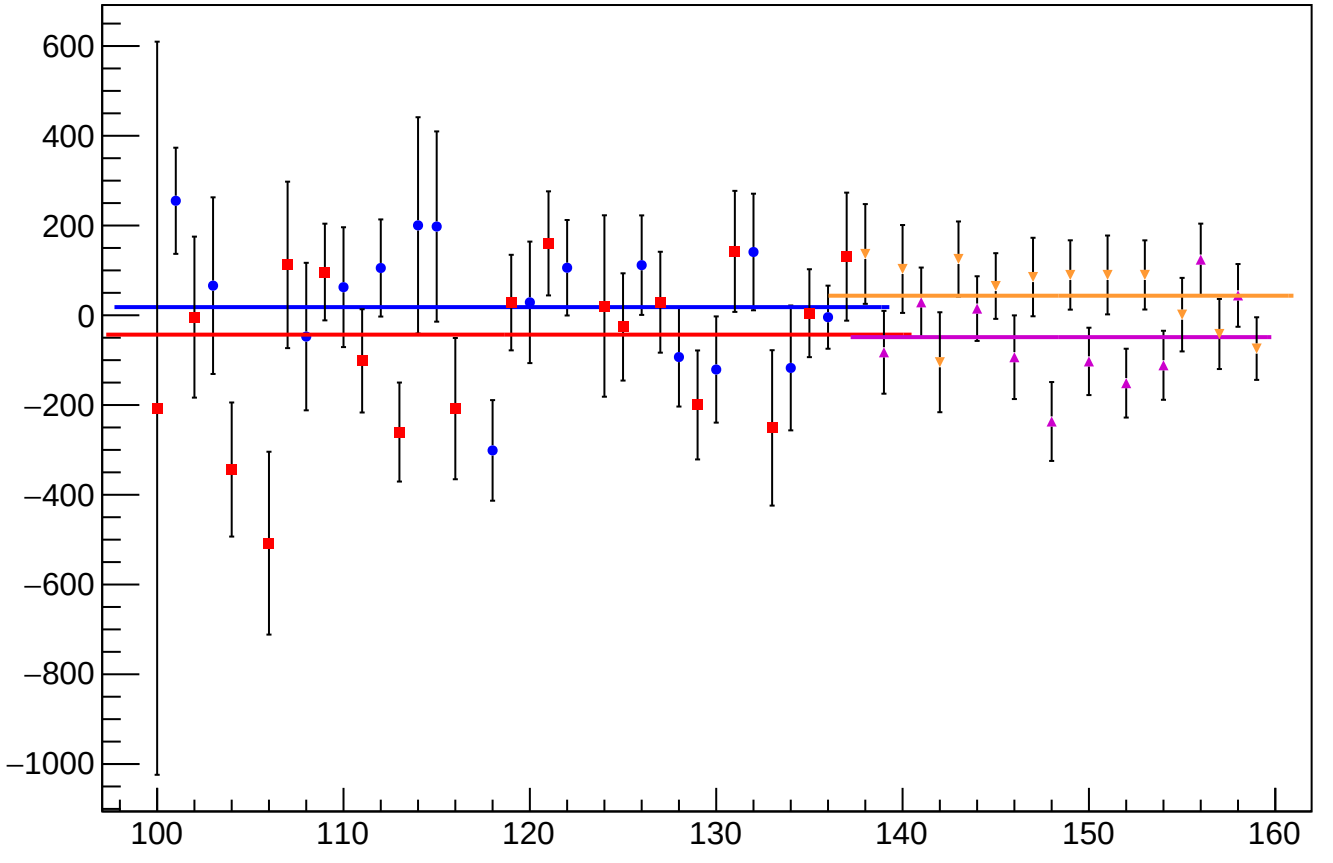
Left In: 558.051+/-0.137 χ^2/NDF:646124.1/9

+ sign 646.580+/-0.117 χ^2/NDF: 2770754.4/27

All: 647.016+/-0.084 χ^2/NDF: 5677037.3/56

- sign 647.472+/-0.120 χ^2/NDF: 2906254.6/28

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

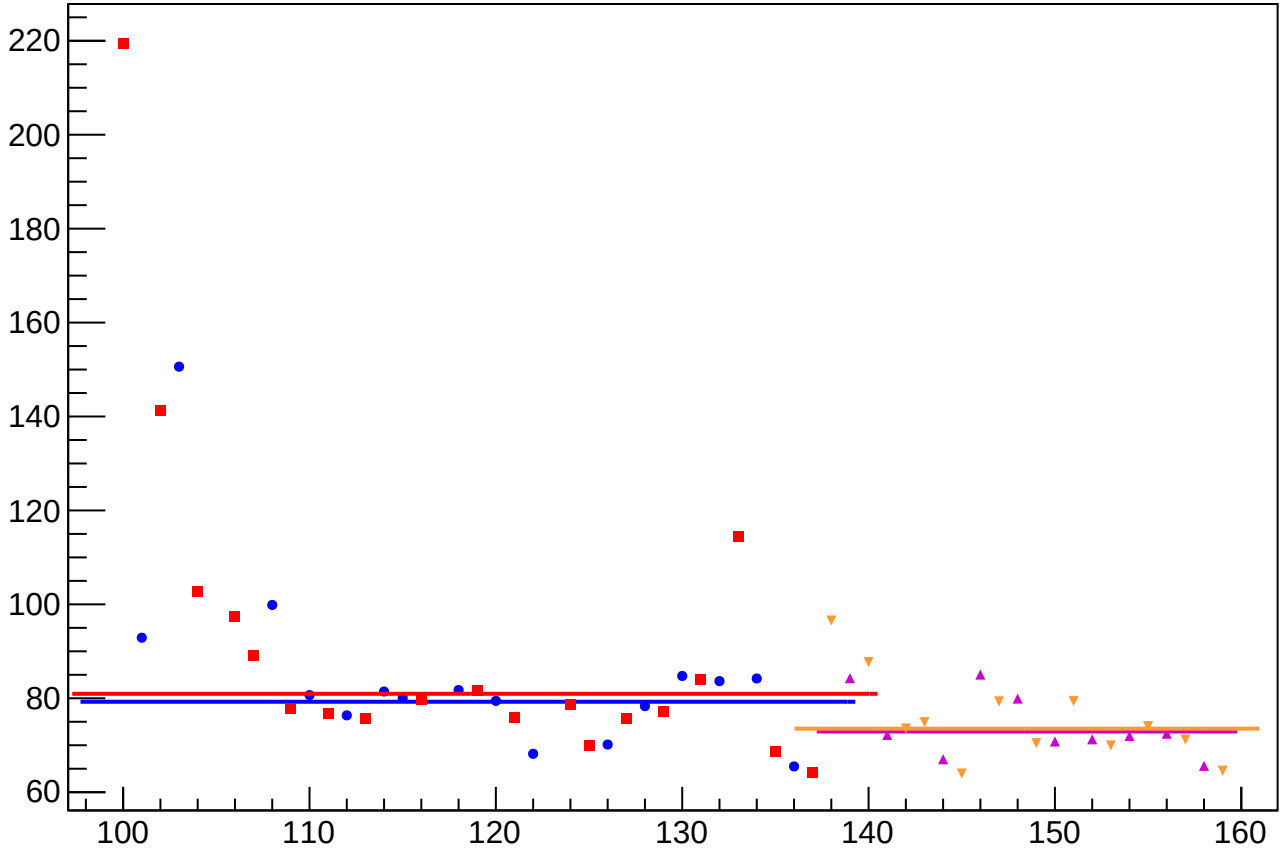
Left In: -48.706+/-25.015 χ^2/NDF:16.1/9

+ sign 33.730+/-18.911 χ^2/NDF: 30.0/27

All: -5.367+/-13.540 χ^2/NDF: 82.6/56

- sign -46.488+/-19.394 χ^2/NDF: 43.8/28

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

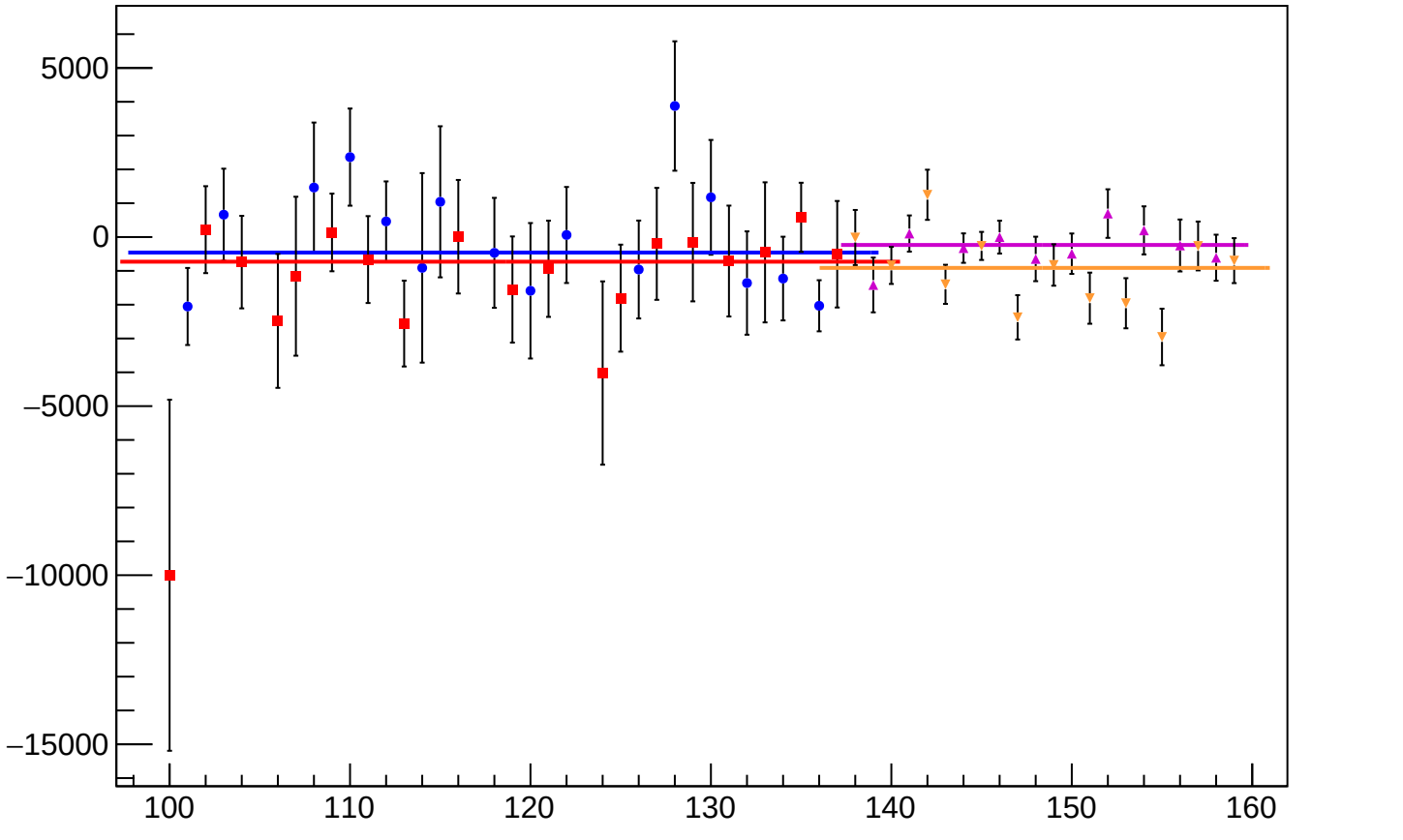
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.923+/-0.018 χ^2/NDF:115215.4/9

+ sign 75.763+/-0.013 χ^2/NDF: 710717.3/27

All: 75.941+/-0.010 χ^2/NDF: 1422802.0/56

- sign 76.128+/-0.014 χ^2/NDF: 711721.4/28



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

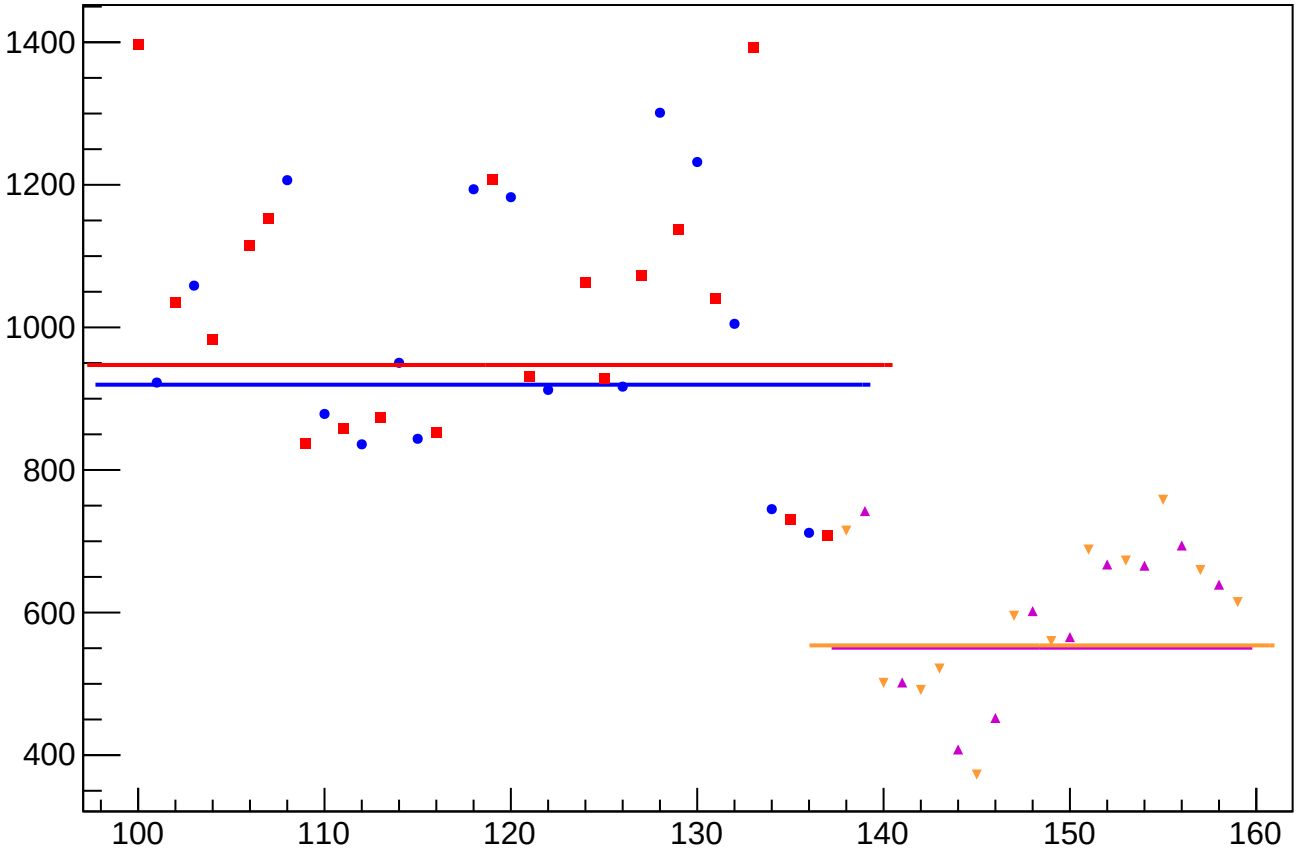
Left In: -234.089+/-191.038 χ^2/NDF:5.7/9

\+ sign -814.146+/-162.701 χ^2/NDF: 49.7/27

All: -587.697+/-116.864 χ^2/NDF: 72.5/56

\- sign -346.356+/-167.966 χ^2/NDF: 18.8/28

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

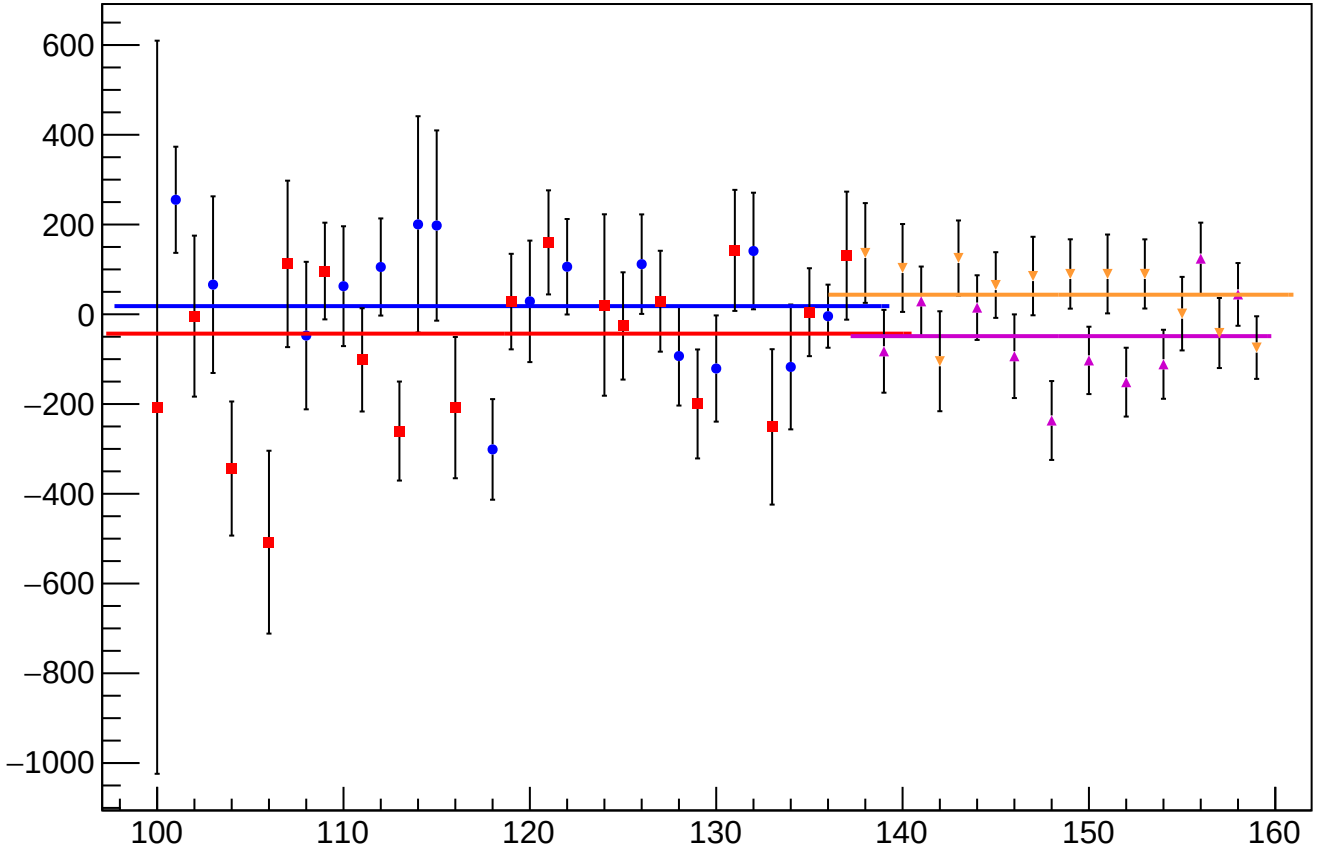
Left In: 550.729+/-0.135 χ^2/NDF:647824.1/9

+ sign 632.927+/-0.115 χ^2/NDF: 3026563.8/27

All: 636.703+/-0.083 χ^2/NDF: 6057932.6/56

- sign 640.727+/-0.119 χ^2/NDF: 3029143.5/28

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

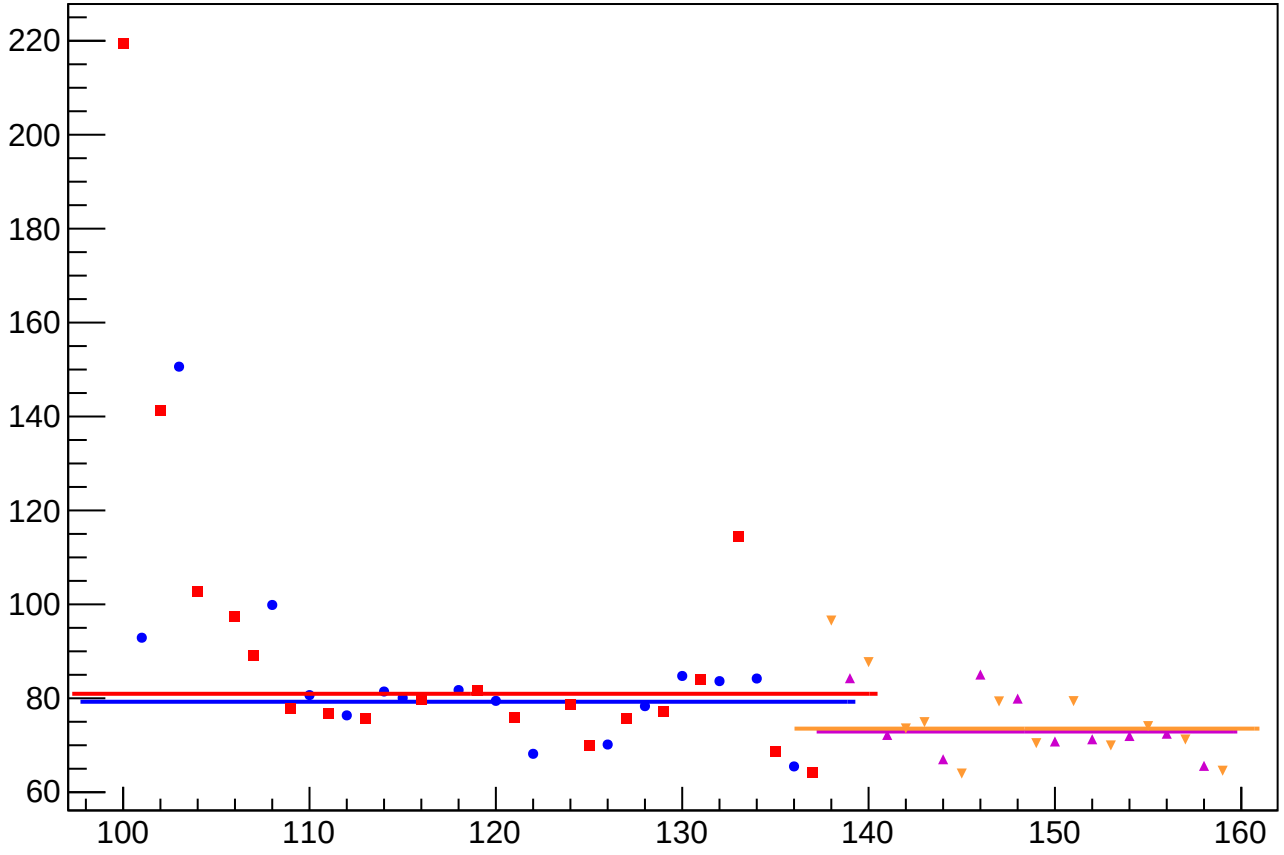
Left In: -48.706+/-25.016 χ^2/NDF:16.1/9

+ sign 33.731+/-18.911 χ^2/NDF: 30.0/27

All: -5.366+/-13.540 χ^2/NDF: 82.6/56

- sign -46.487+/-19.394 χ^2/NDF: 43.8/28

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

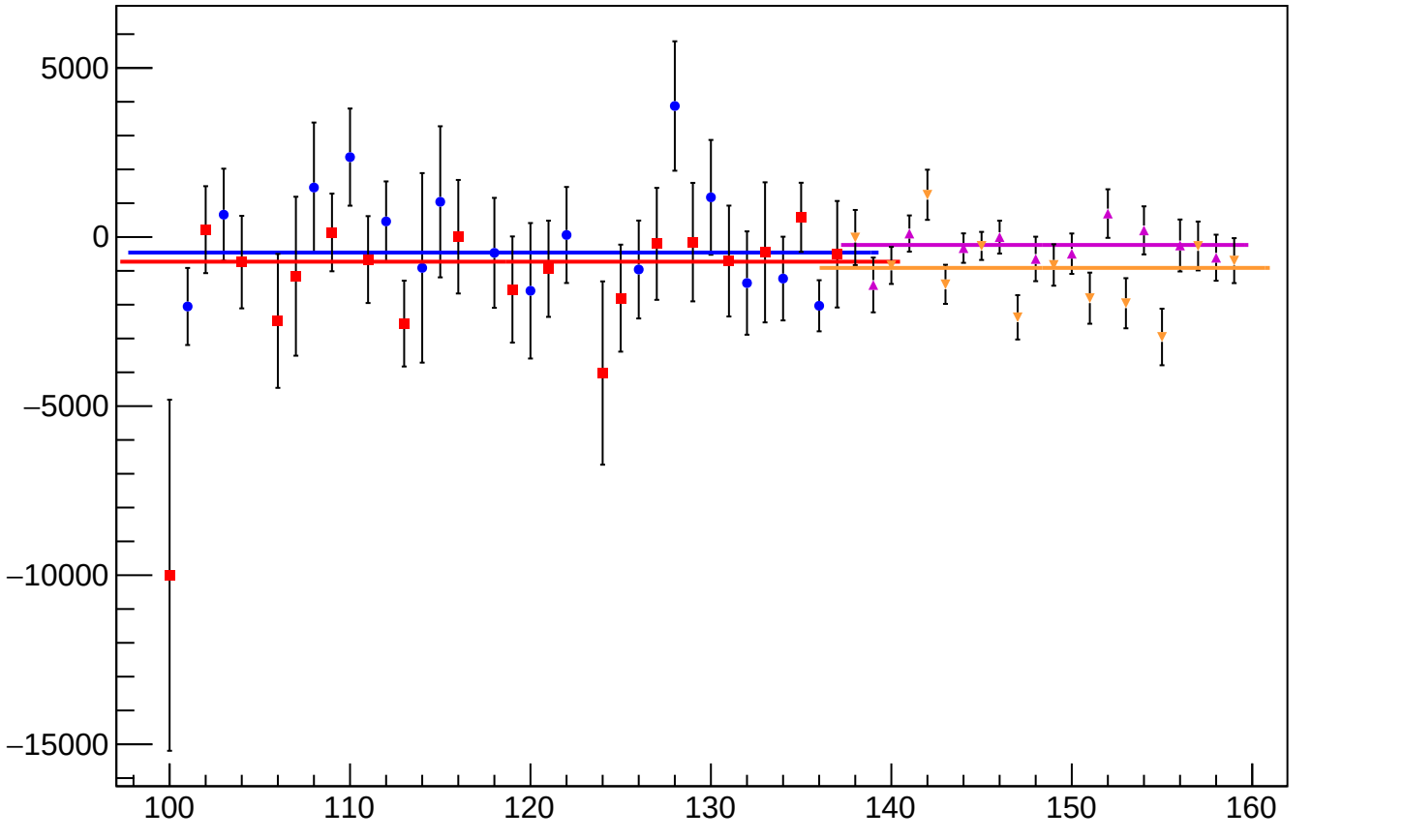
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.923+/-0.018 χ^2/NDF:115217.0/9

\+ sign 75.763+/-0.013 χ^2/NDF: 710703.2/27

All: 75.941+/-0.010 χ^2/NDF: 1422788.5/56

\- sign 76.128+/-0.014 χ^2/NDF: 711721.9/28



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -912.239+/-183.752 χ^2/NDF:28.2/11

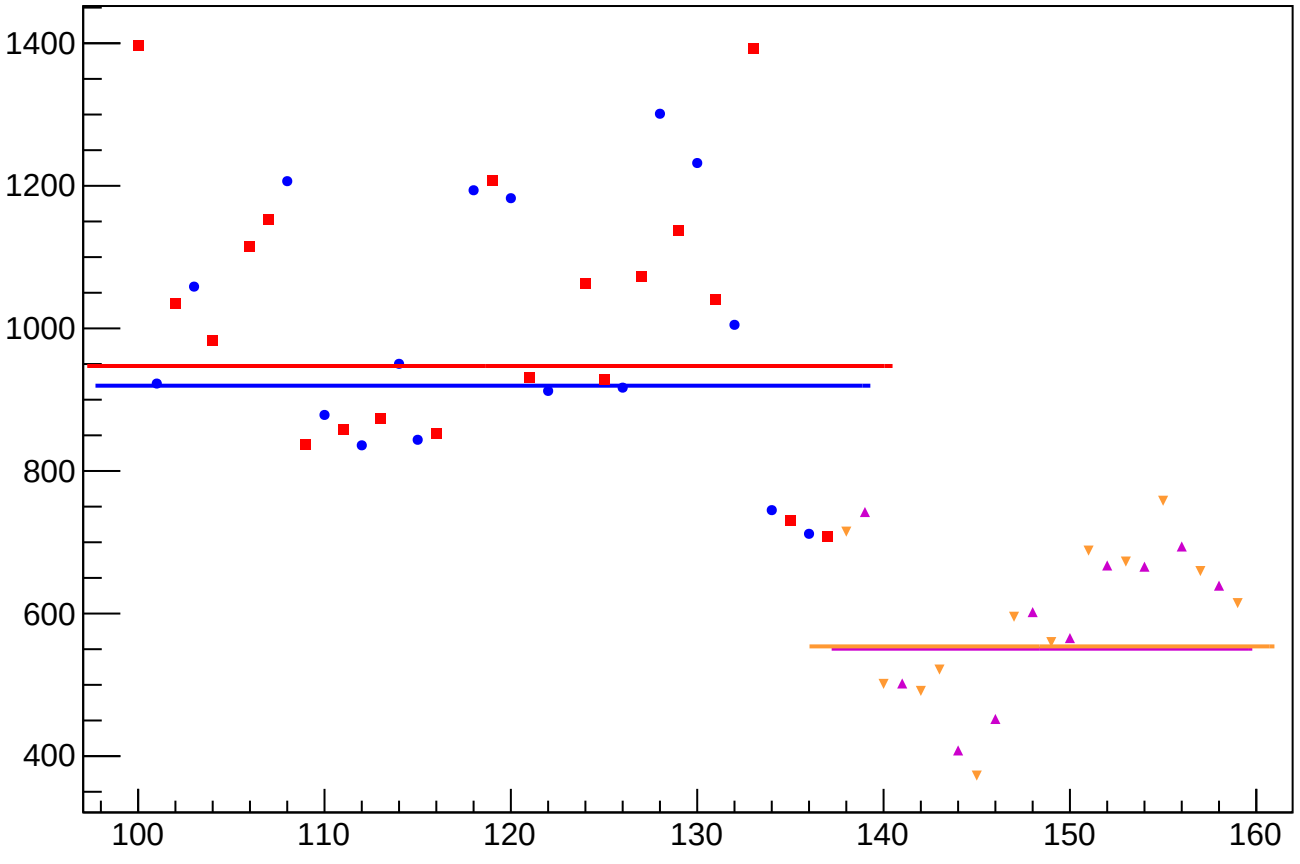
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -234.089+/-191.037 χ^2/NDF:5.7/9

+ sign -814.145+/-162.701 χ^2/NDF: 49.7/27

All: -587.696+/-116.864 χ^2/NDF: 72.5/56

- sign -346.355+/-167.966 χ^2/NDF: 18.8/28



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

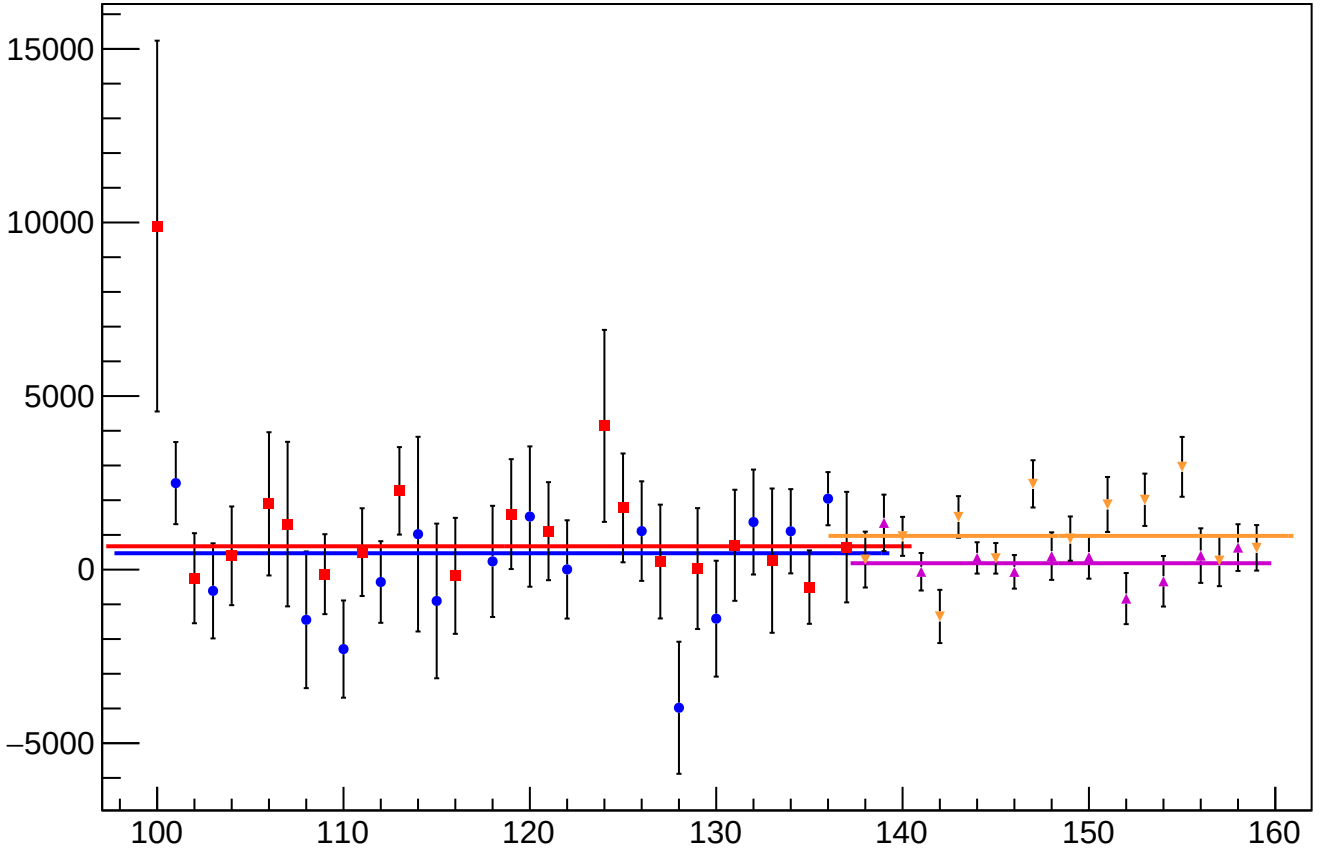
Left In: 550.729+/-0.135 χ^2/NDF:647823.2/9

+ sign 632.926+/-0.115 χ^2/NDF: 3026565.0/27

All: 636.702+/-0.083 χ^2/NDF: 6057926.5/56

- sign 640.726+/-0.119 χ^2/NDF: 3029136.0/28

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

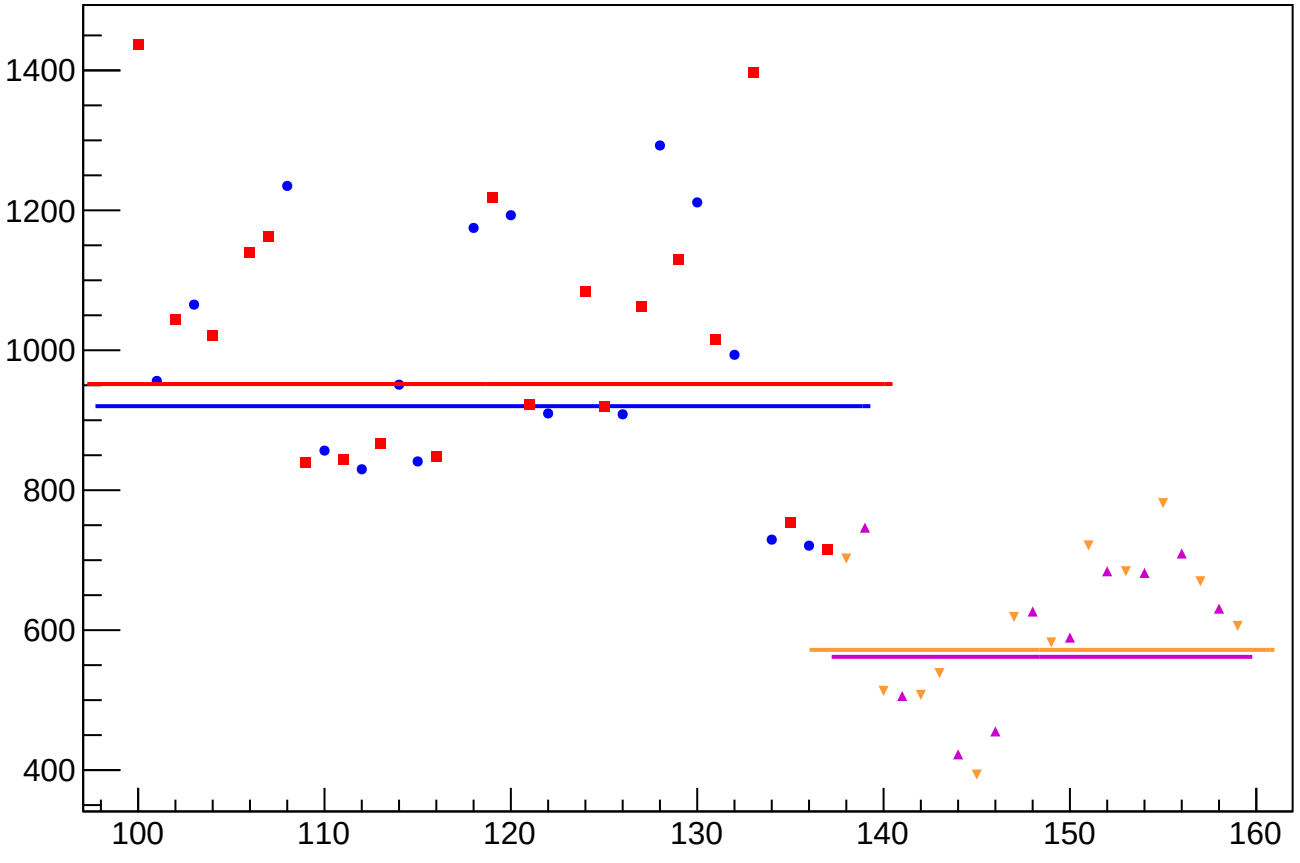
Left In: 184.146+/-194.687 χ^2/NDF:5.7/9

+ sign 858.999+/-166.655 χ^2/NDF: 50.5/27

All: 584.802+/-119.230 χ^2/NDF: 73.6/56

- sign 297.310+/-170.648 χ^2/NDF: 17.5/28

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

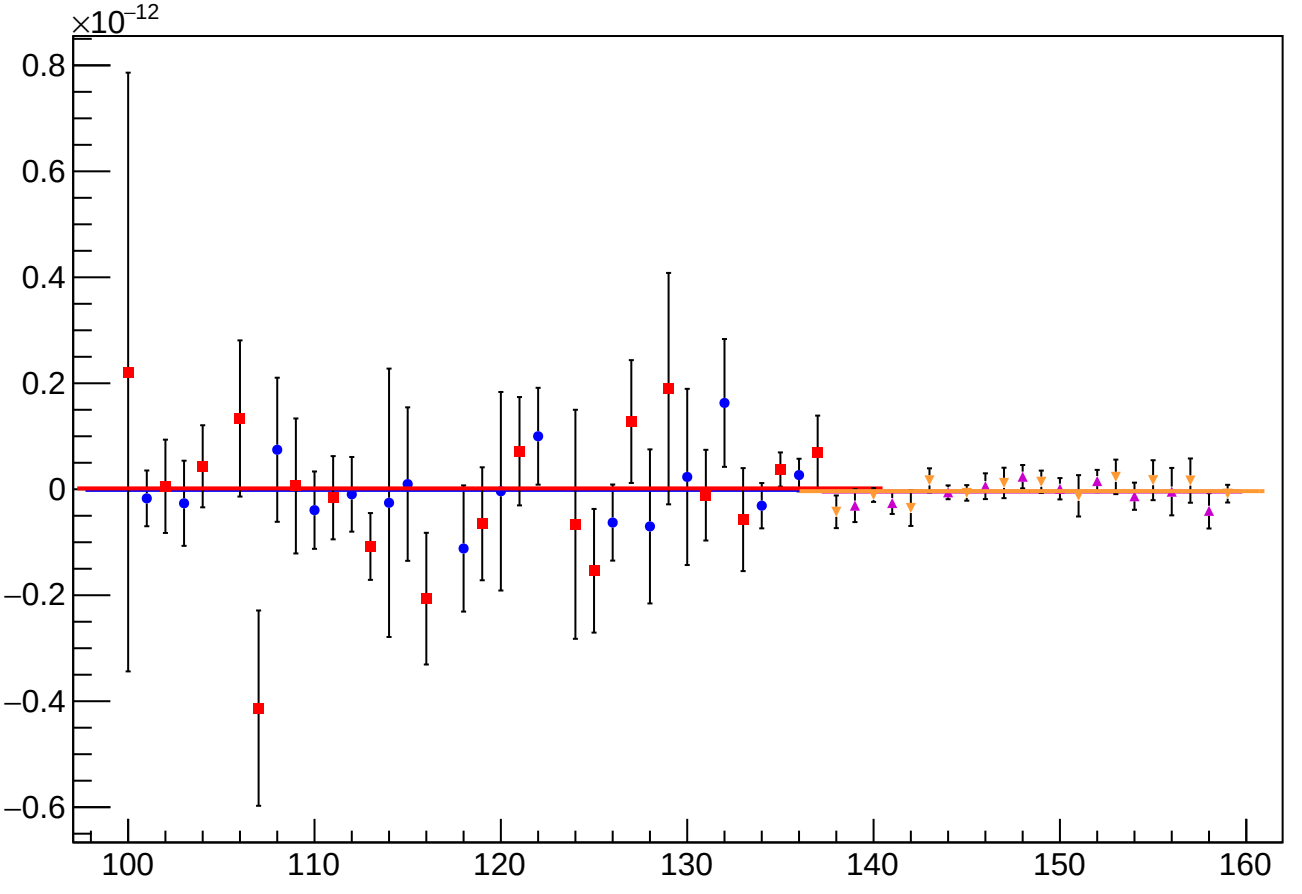
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 561.866+/-0.138 χ^2/NDF:634789.2/9

+ sign 650.630+/-0.118 χ^2/NDF: 2745139.3/27

All: 651.396+/-0.084 χ^2/NDF: 5654416.8/56

- sign 652.199+/-0.121 χ^2/NDF: 2909191.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/11

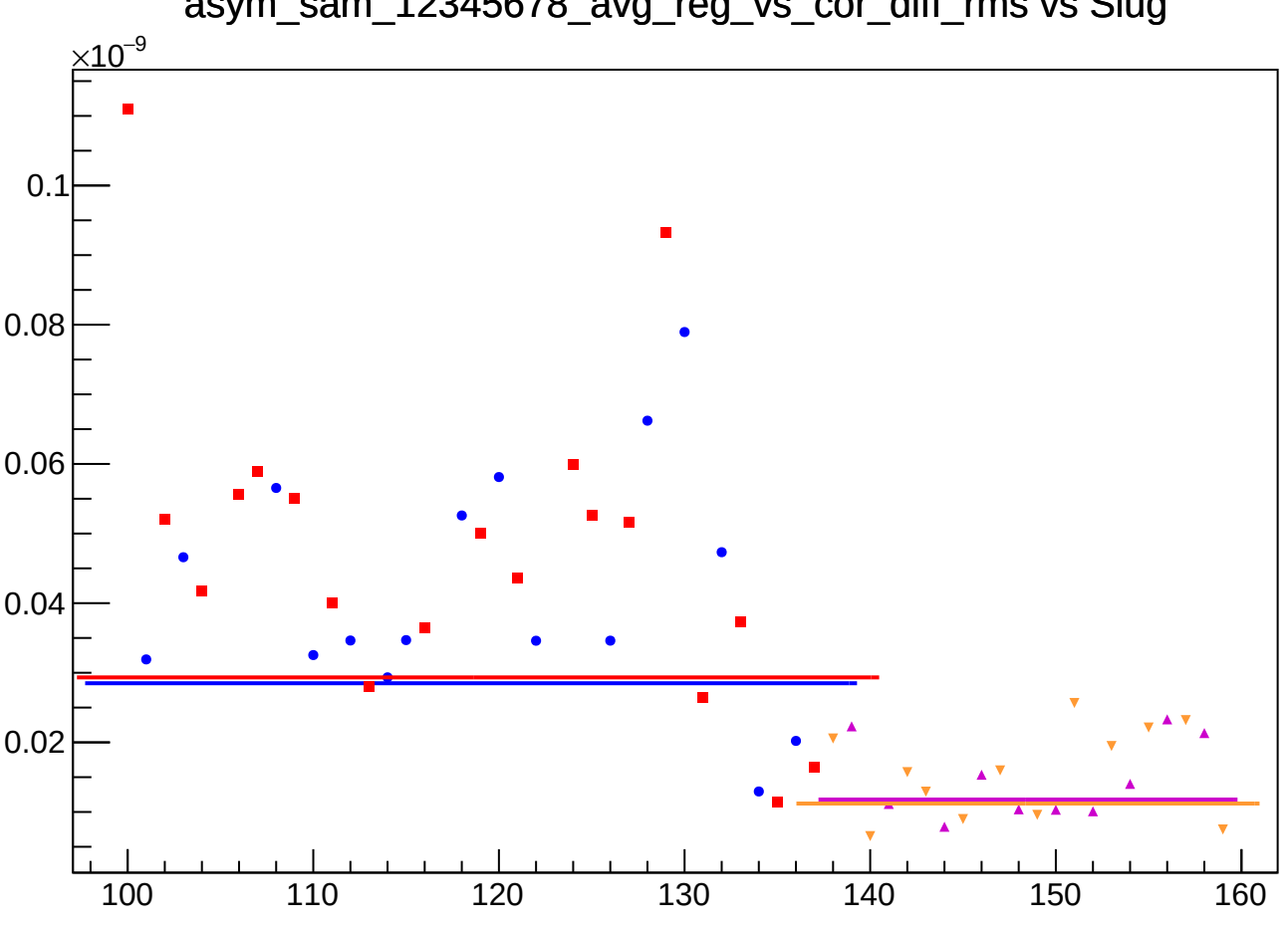
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/9

+ sign -0.000+/-0.000 χ^2/NDF: 13.0/27

All: -0.000+/-0.000 χ^2/NDF: 38.4/56

- sign -0.000+/-0.000 χ^2/NDF: 25.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1434878.2/11

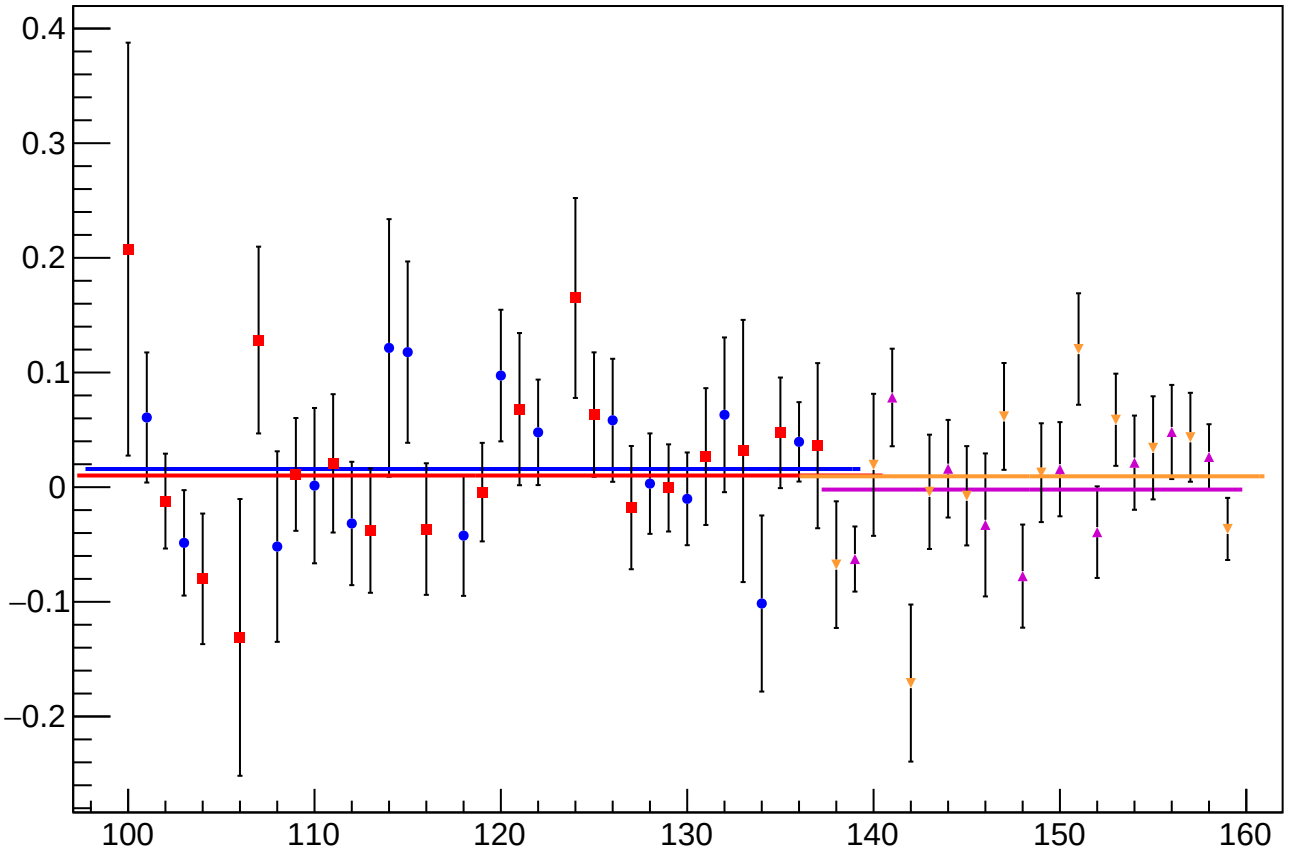
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:796748.1/9

+ sign 0.000+/-0.000 χ^2/NDF: 4270610.9/27

All: 0.000+/-0.000 χ^2/NDF: 8190644.8/56

- sign 0.000+/-0.000 χ^2/NDF: 3911085.0/28



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.013 χ^2/NDF:21.1/11

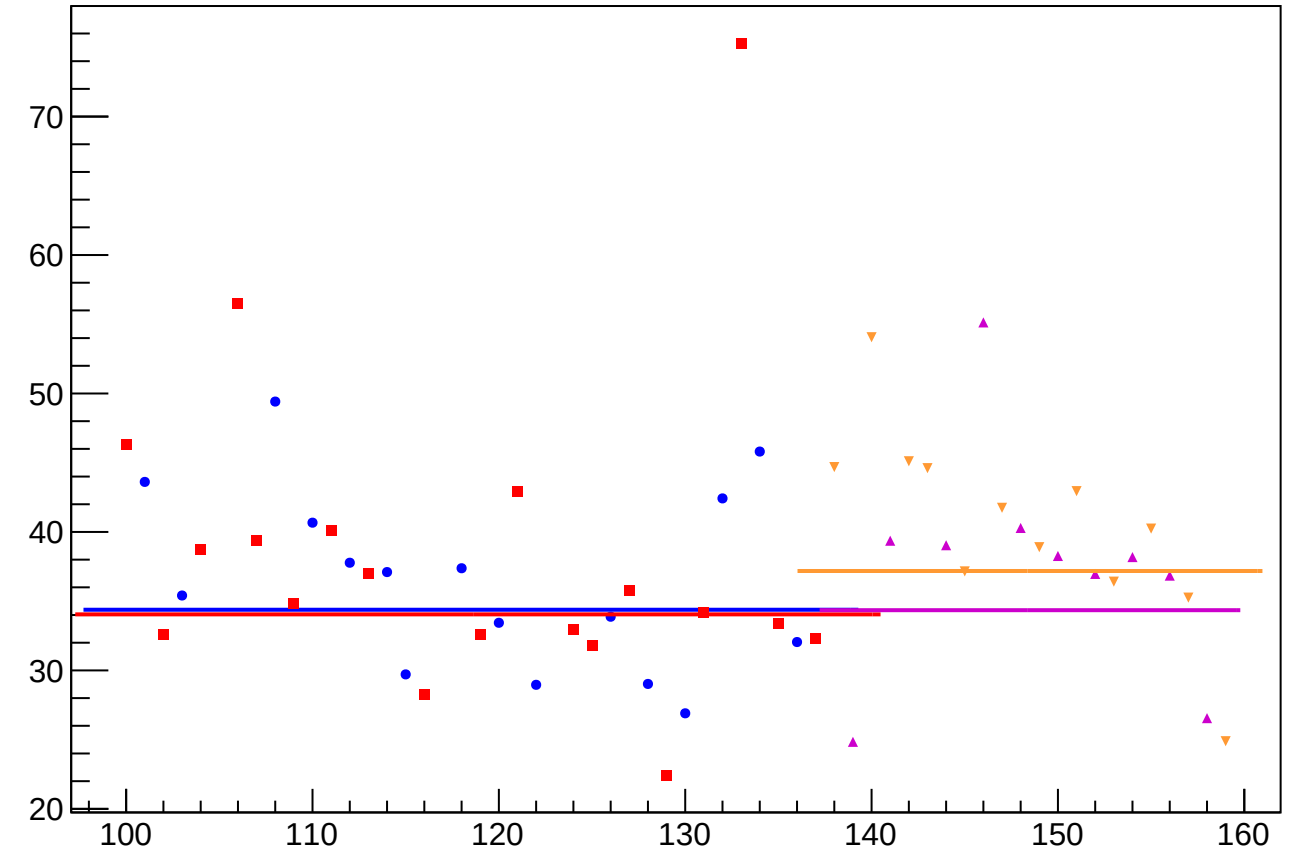
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.012 χ^2/NDF:15.2/9

+ sign 0.012+/-0.009 χ^2/NDF: 35.9/27

All: 0.008+/-0.006 χ^2/NDF: 67.3/56

- sign 0.004+/-0.009 χ^2/NDF: 30.8/28



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.180+/-0.009 χ^2/NDF:734047.0/11

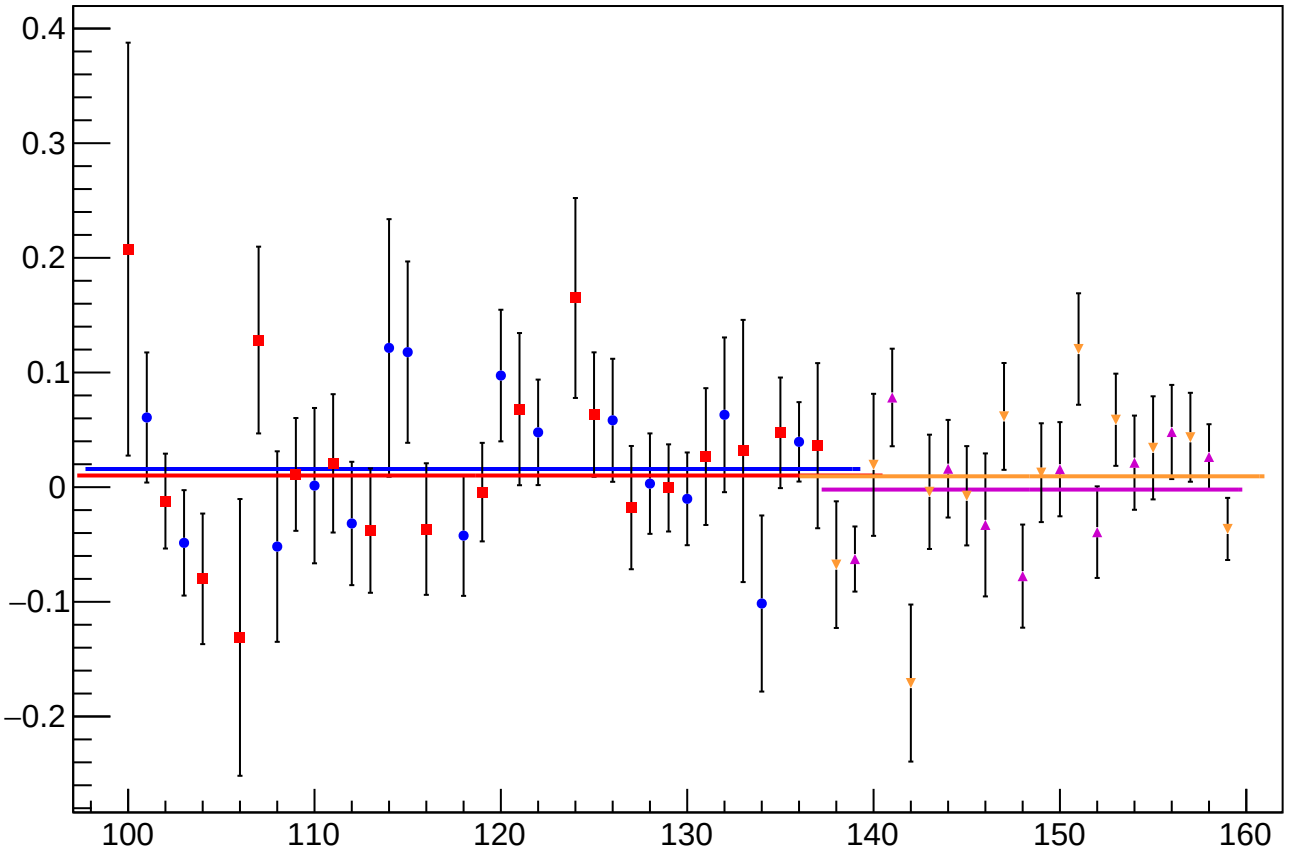
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.349+/-0.009 χ^2/NDF:734217.5/9

+ sign 35.867+/-0.006 χ^2/NDF: 1148248.3/27

All: 35.018+/-0.005 χ^2/NDF: 2559094.2/56

- sign 34.210+/-0.006 χ^2/NDF: 1377479.0/28



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.013 χ^2/NDF:21.1/11

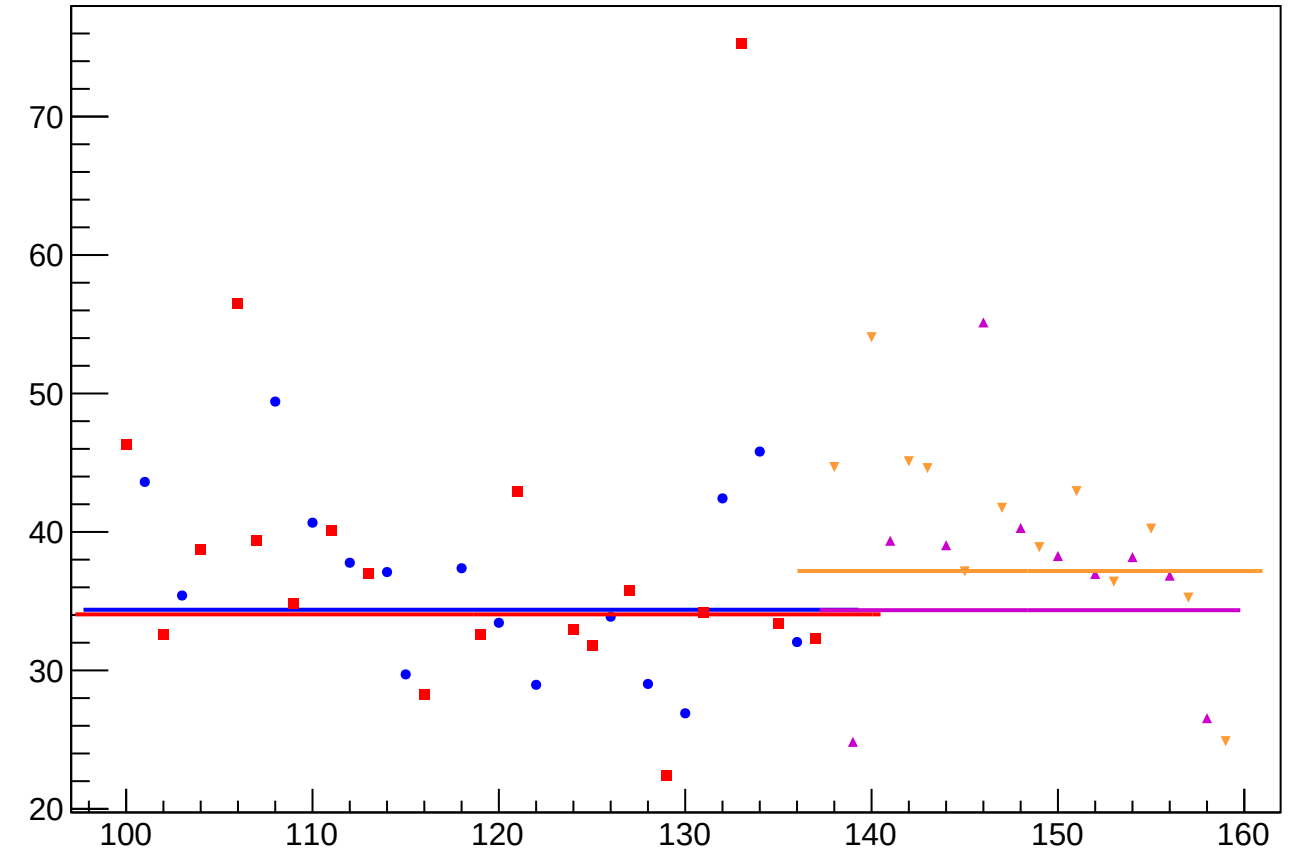
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.012 χ^2/NDF:15.2/9

+ sign 0.012+/-0.009 χ^2/NDF: 35.9/27

All: 0.008+/-0.006 χ^2/NDF: 67.3/56

- sign 0.004+/-0.009 χ^2/NDF: 30.8/28



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.180+/-0.009 χ^2/NDF:734047.0/11

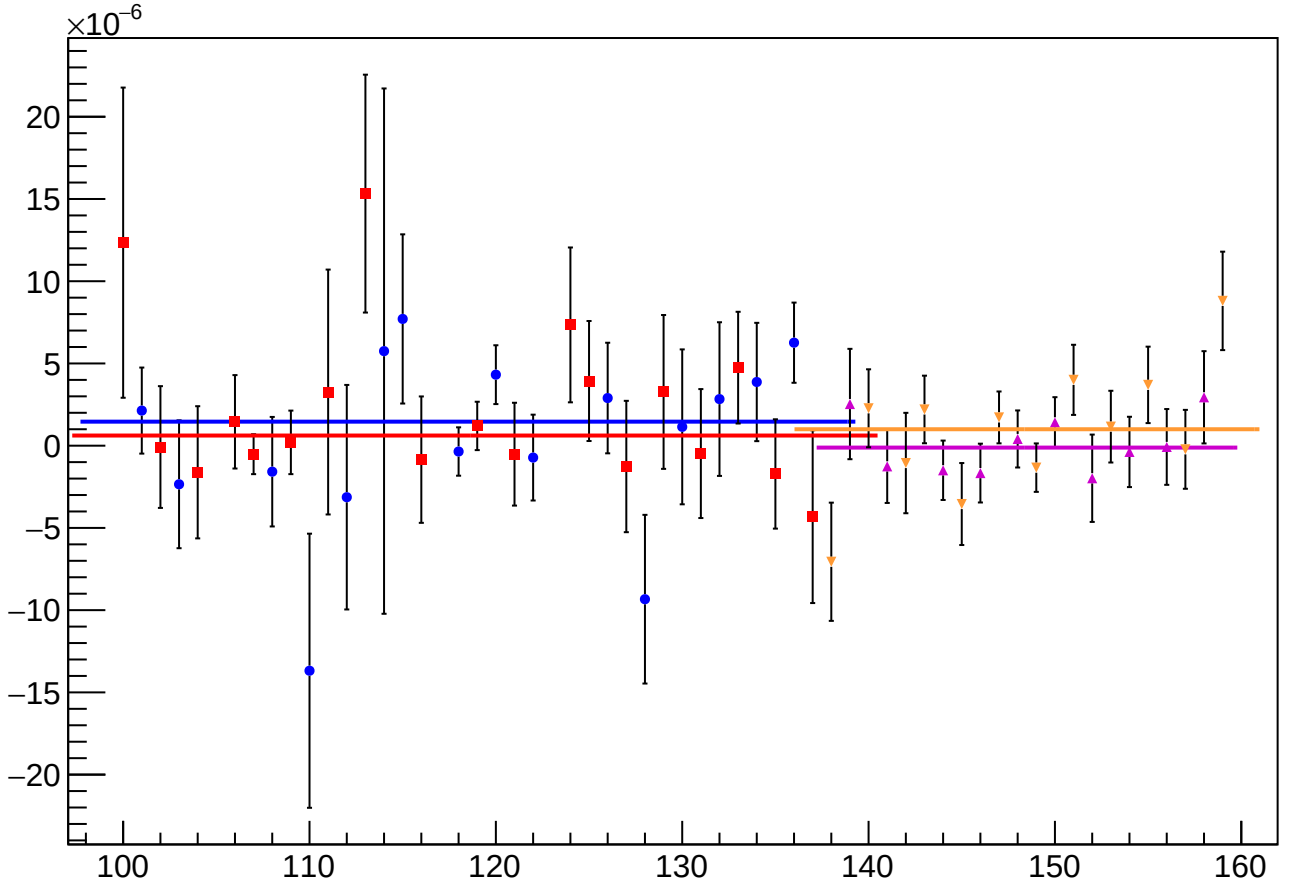
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.349+/-0.009 χ^2/NDF:734217.5/9

+ sign 35.867+/-0.006 χ^2/NDF: 1148248.3/27

All: 35.018+/-0.005 χ^2/NDF: 2559094.2/56

- sign 34.210+/-0.006 χ^2/NDF: 1377479.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.6/11

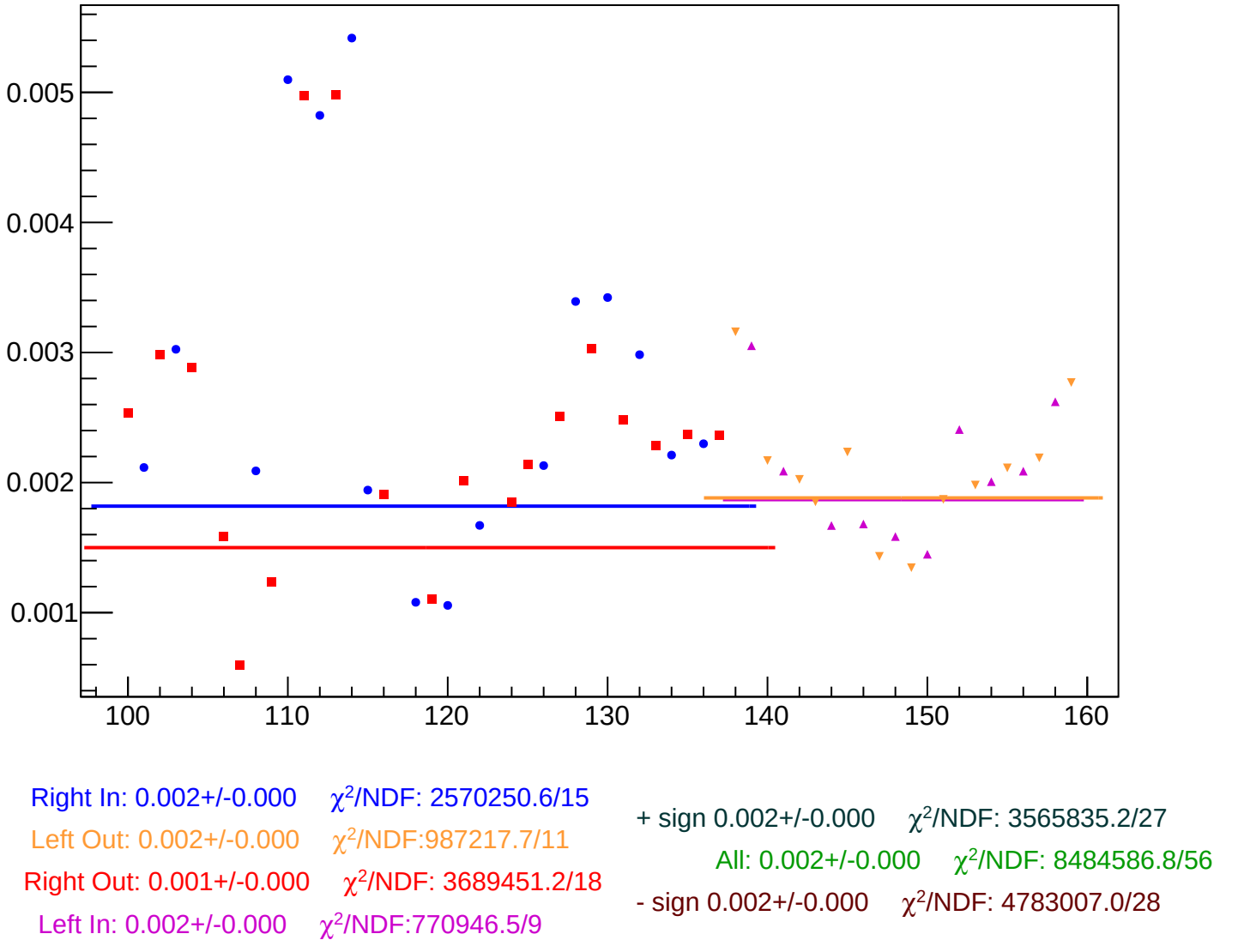
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

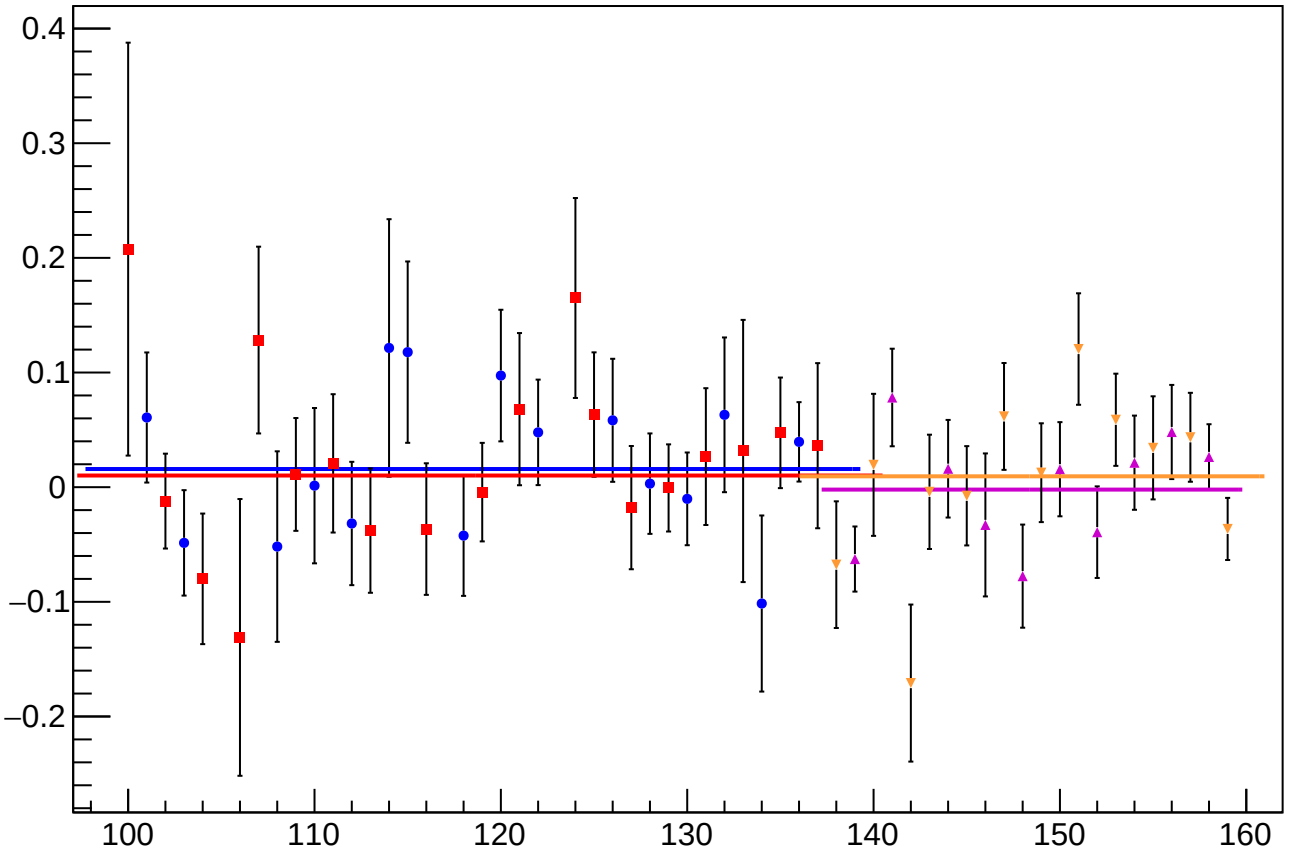
Left In: -0.000+/-0.000 χ^2/NDF:5.0/9

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/27

All: 0.000+/-0.000 χ^2/NDF: 65.3/56

- sign 0.000+/-0.000 χ^2/NDF: 19.6/28


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2570250.6/15
Left Out: 0.002+/-0.000 χ²/NDF:987217.7/11
Right Out: 0.001+/-0.000 χ²/NDF: 3689451.2/18
Left In: 0.002+/-0.000 χ²/NDF:770946.5/9
+ sign 0.002+/-0.000 χ²/NDF: 3565835.2/27
All: 0.002+/-0.000 χ²/NDF: 8484586.8/56
- sign 0.002+/-0.000 χ²/NDF: 4783007.0/28



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.013 χ^2/NDF:21.1/11

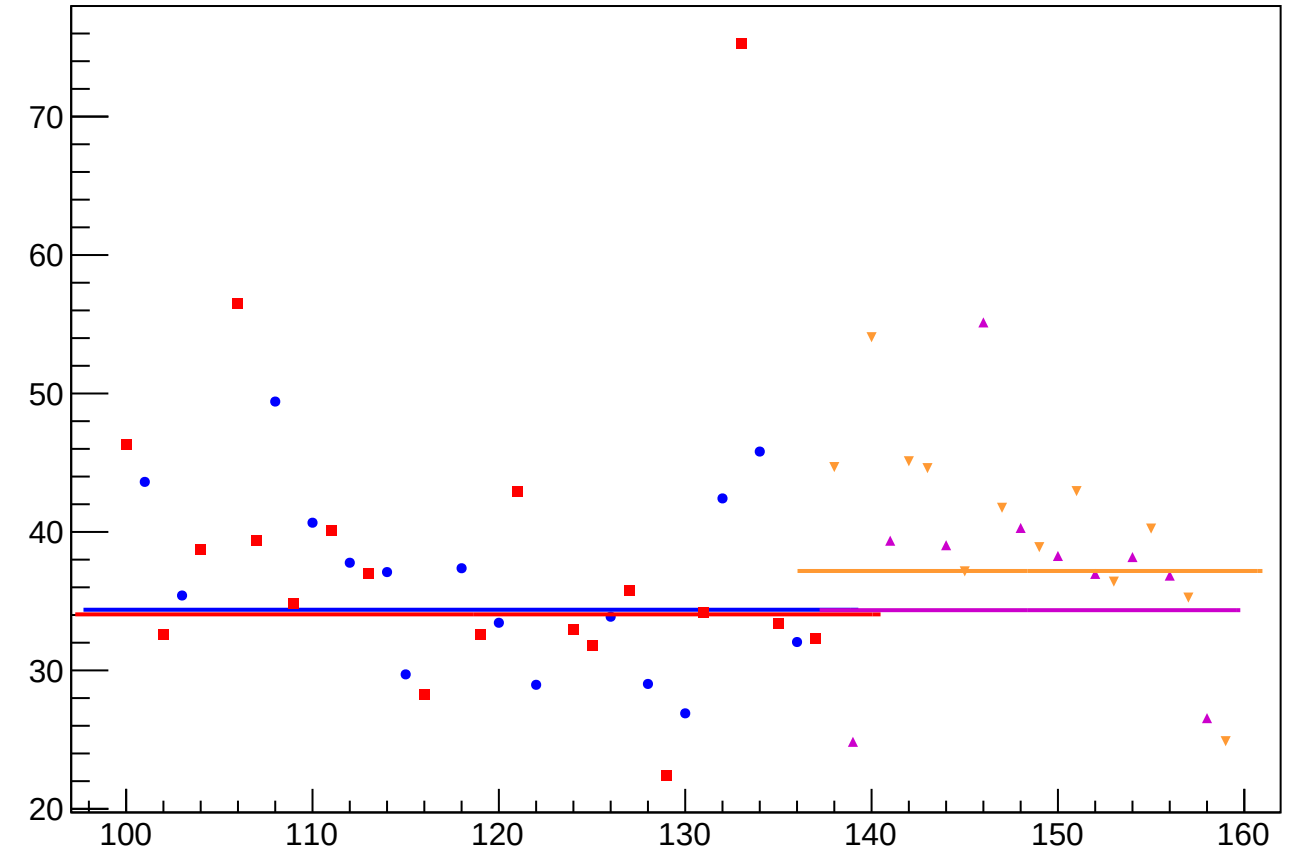
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.012 χ^2/NDF:15.2/9

+ sign 0.012+/-0.009 χ^2/NDF: 35.9/27

All: 0.008+/-0.006 χ^2/NDF: 67.3/56

- sign 0.004+/-0.009 χ^2/NDF: 30.8/28



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.181+/-0.009 χ^2/NDF:734103.5/11

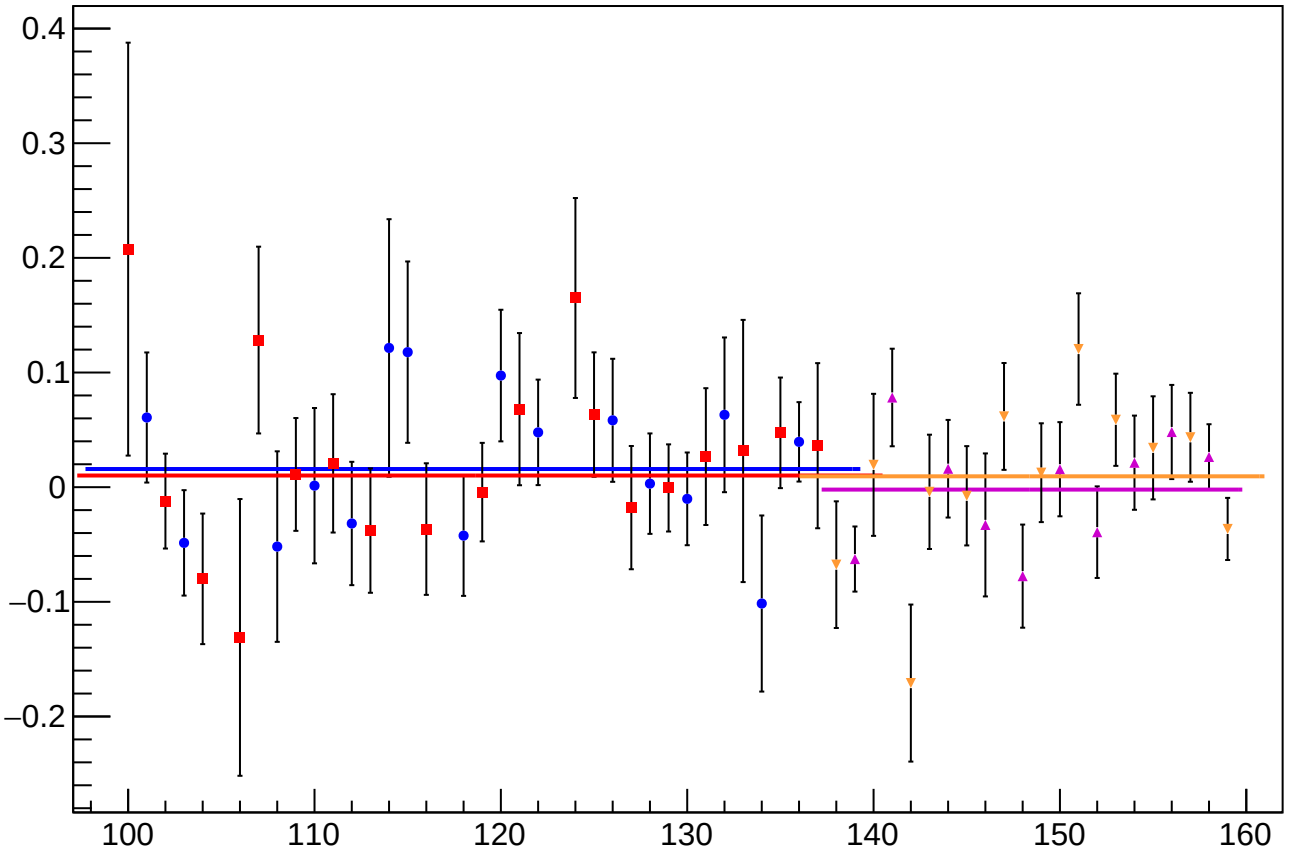
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.350+/-0.009 χ^2/NDF:734270.6/9

+ sign 35.867+/-0.006 χ^2/NDF: 1148397.2/27

All: 35.018+/-0.005 χ^2/NDF: 2559338.2/56

- sign 34.210+/-0.006 χ^2/NDF: 1377579.2/28



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.013 χ^2/NDF:21.1/11

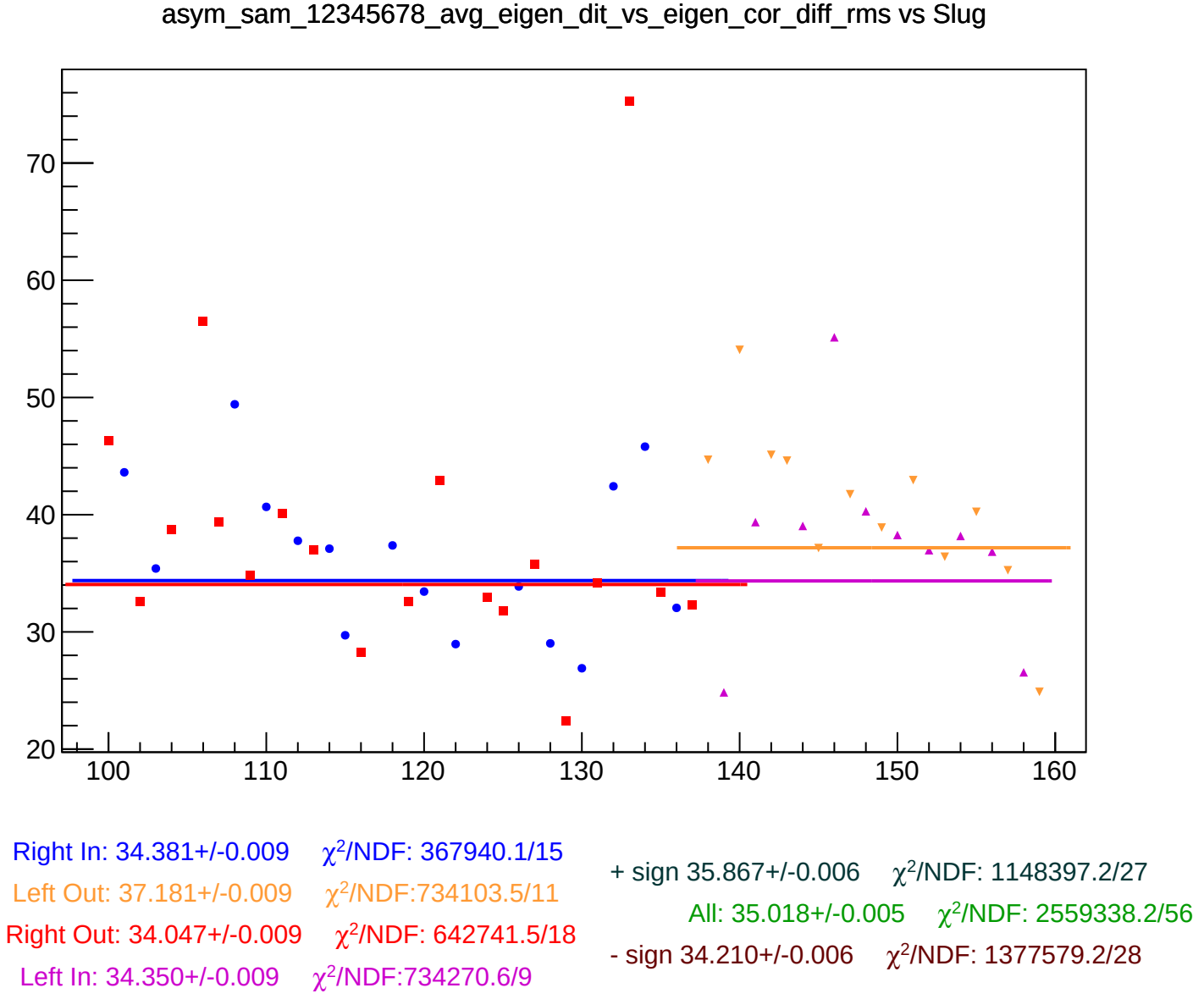
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.012 χ^2/NDF:15.2/9

+ sign 0.012+/-0.009 χ^2/NDF: 35.9/27

All: 0.008+/-0.006 χ^2/NDF: 67.3/56

- sign 0.004+/-0.009 χ^2/NDF: 30.8/28


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
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30
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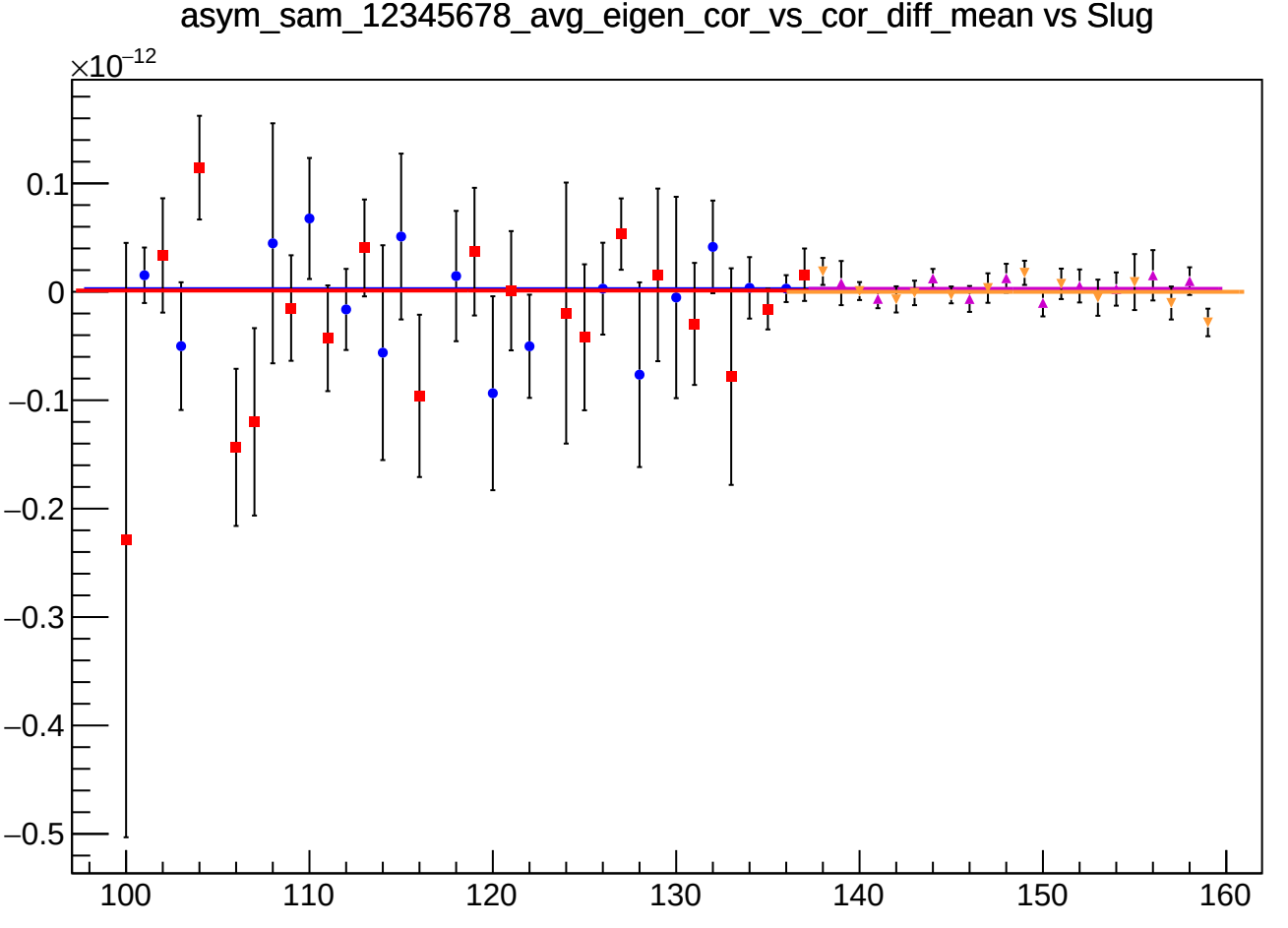
100
110
120
130
140
150
160
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 37.181+/-0.009 χ²/NDF:734103.5/11
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.350+/-0.009 χ²/NDF:734270.6/9
+ sign 35.867+/-0.006 χ²/NDF: 1148397.2/27
All: 35.018+/-0.005 χ²/NDF: 2559338.2/56
- sign 34.210+/-0.006 χ²/NDF: 1377579.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/11

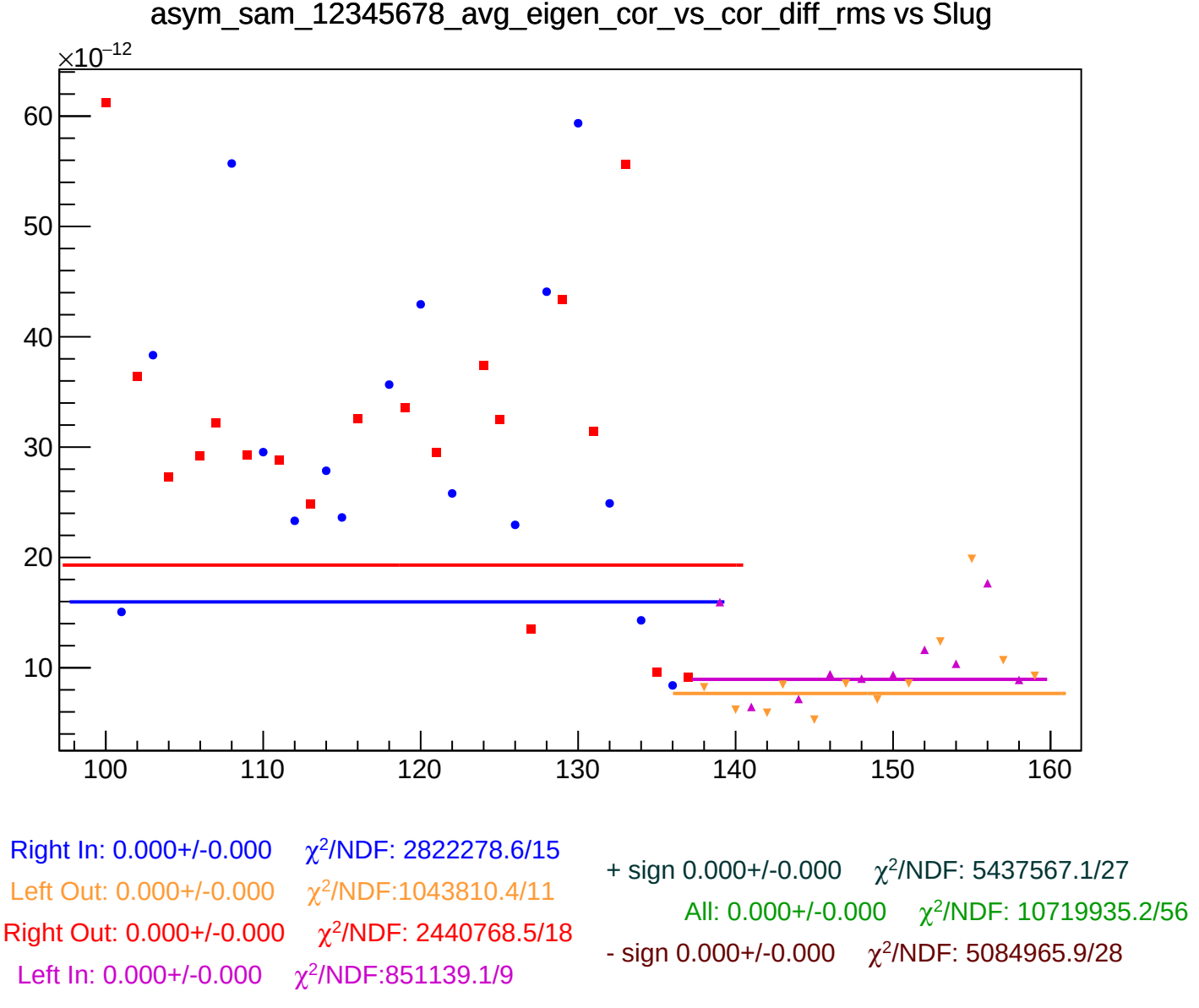
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/9

+ sign 0.000+/-0.000 χ^2/NDF: 18.9/27

All: 0.000+/-0.000 χ^2/NDF: 46.0/56

- sign 0.000+/-0.000 χ^2/NDF: 26.8/28


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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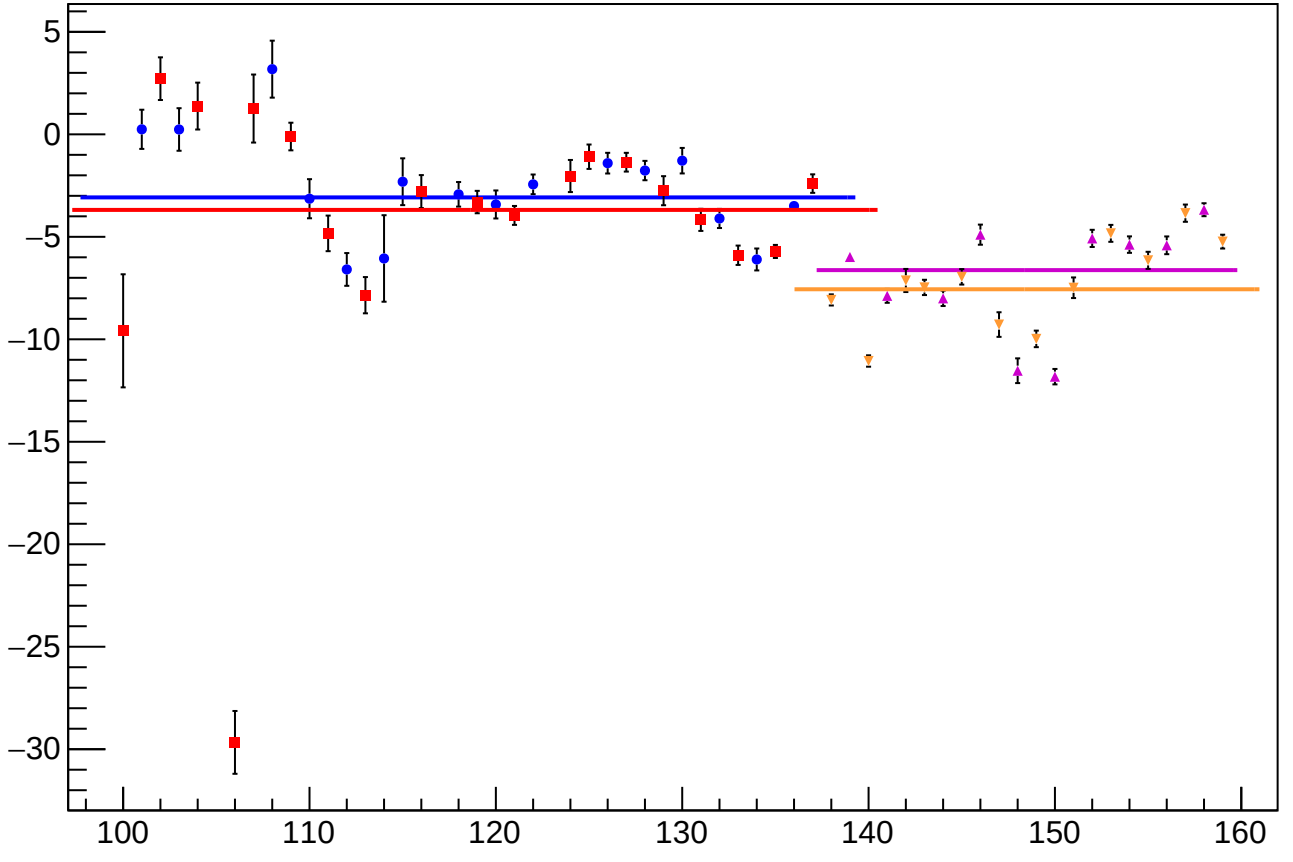
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1043810.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:851139.1/9
+ sign 0.000+/-0.000 χ²/NDF: 5437567.1/27
All: 0.000+/-0.000 χ²/NDF: 10719935.2/56
- sign 0.000+/-0.000 χ²/NDF: 5084965.9/28

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

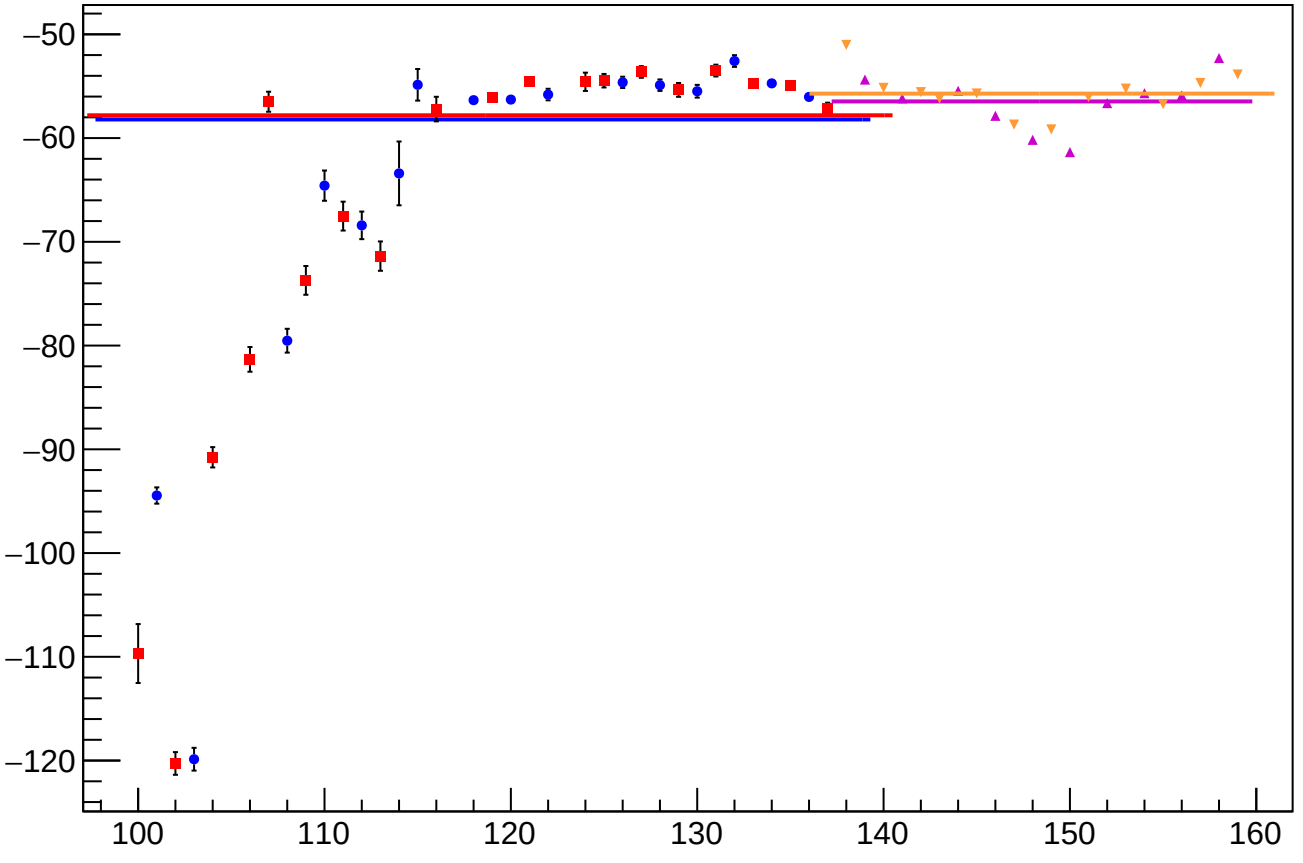
Left In: -6.625+/-0.116 χ^2/NDF:421.0/9

+ sign -5.777+/-0.085 χ^2/NDF: 1186.1/27

All: -5.612+/-0.062 χ^2/NDF: 2410.4/56

- sign -5.430+/-0.089 χ^2/NDF: 1216.4/28

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

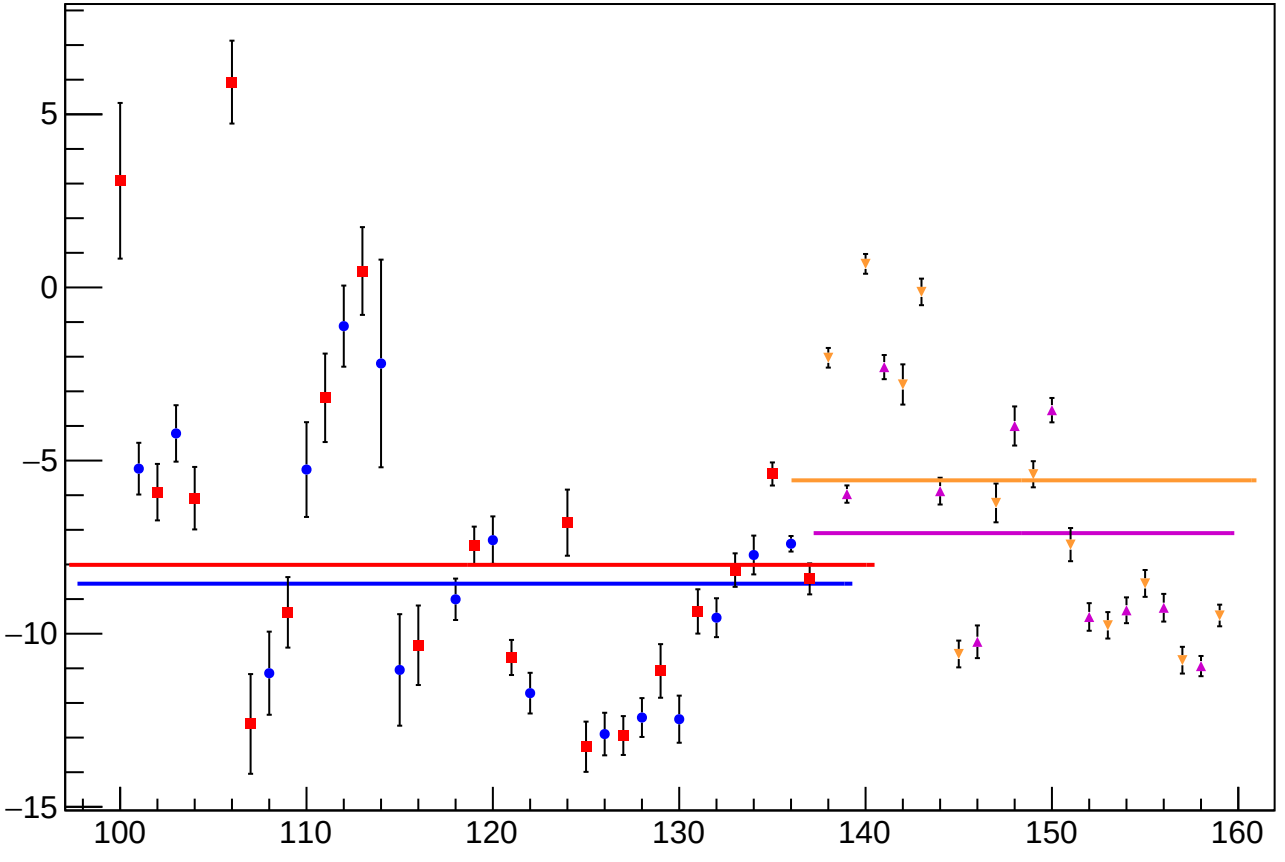
Left In: -56.468+/-0.088 χ^2/NDF:967.9/9

+ sign -56.367+/-0.069 χ^2/NDF: 6990.6/27

All: -56.593+/-0.051 χ^2/NDF: 13840.3/56

- sign -56.850+/-0.074 χ^2/NDF: 6827.0/28

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

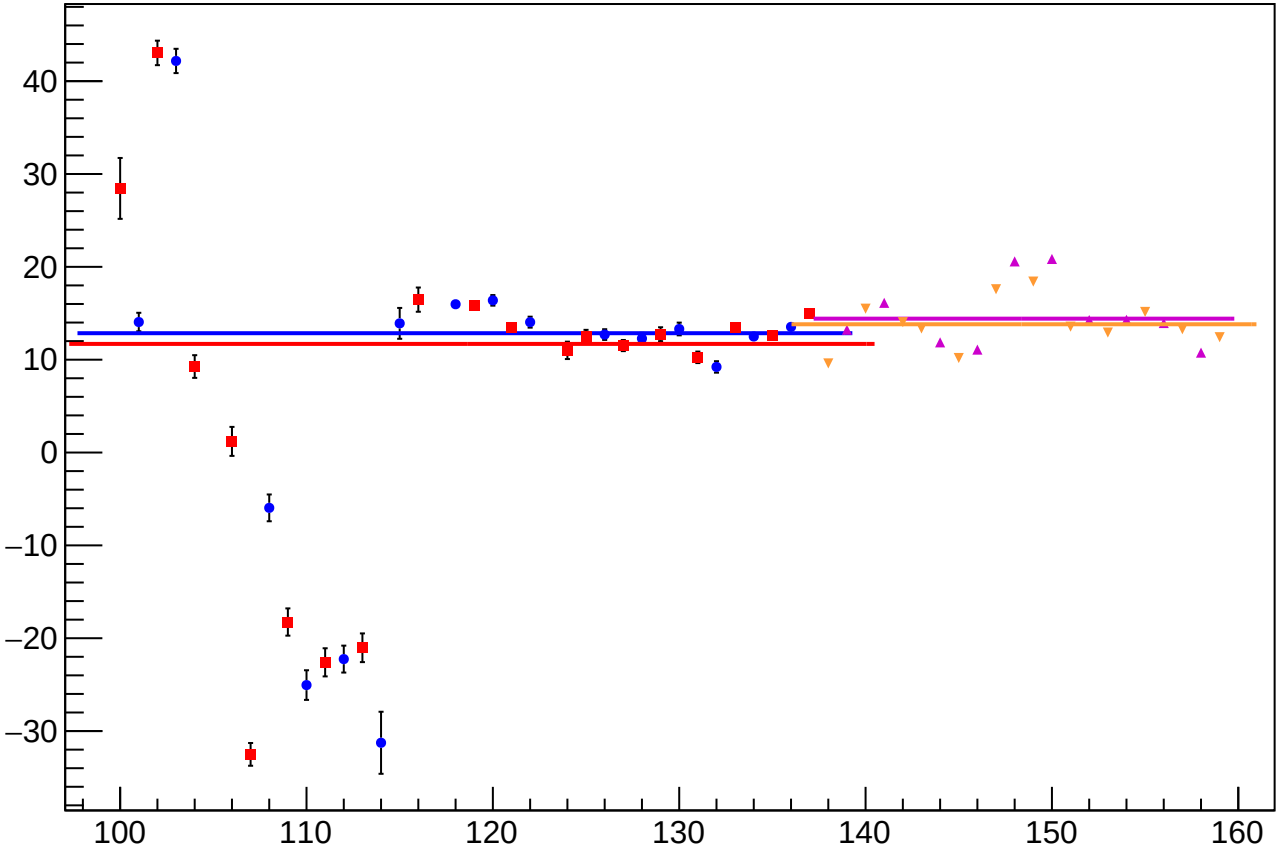
Left In: -7.095+/-0.113 χ^2/NDF:669.9/9

+ sign -6.635+/-0.086 χ^2/NDF: 2134.0/27

All: -7.007+/-0.063 χ^2/NDF: 3355.5/56

- sign -7.419+/-0.091 χ^2/NDF: 1182.4/28

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

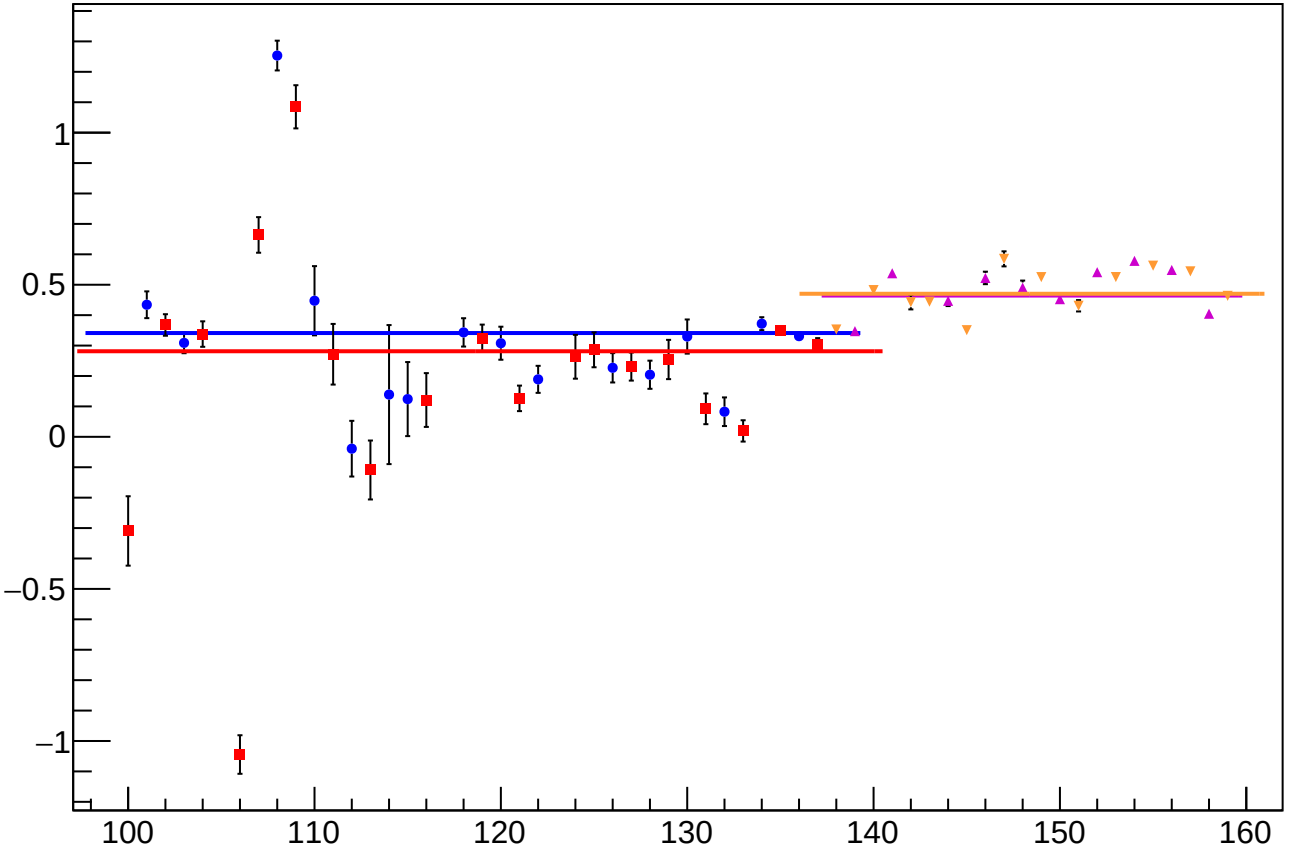
Left In: 14.419+/-0.101 χ^2/NDF:1155.3/9

+ sign 13.545+/-0.080 χ^2/NDF: 2824.3/27

All: 13.577+/-0.058 χ^2/NDF: 7695.3/56

- sign 13.613+/-0.084 χ^2/NDF: 4870.6/28

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

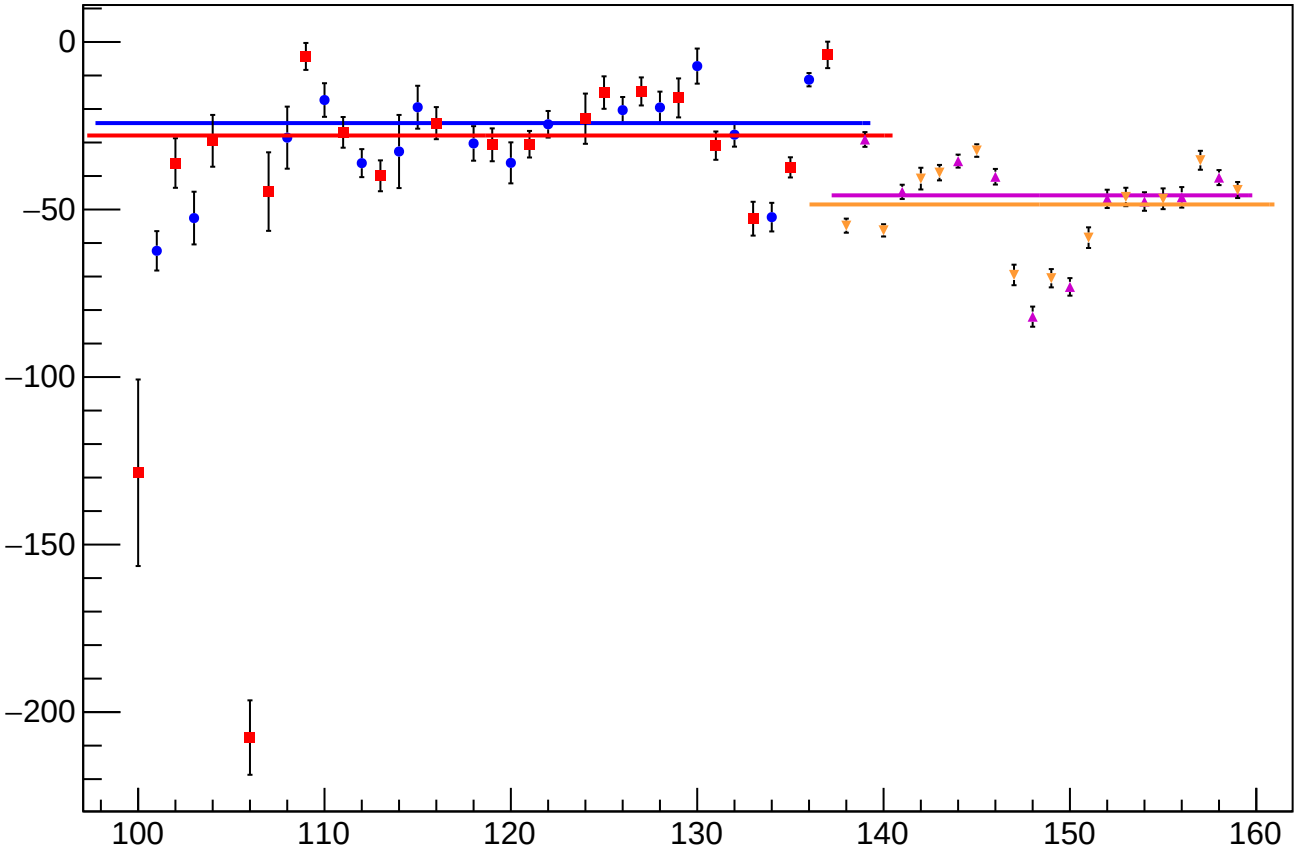
Left In: 0.464+/-0.004 χ^2/NDF:398.4/9

+ sign 0.443+/-0.004 χ^2/NDF: 968.2/27

All: 0.436+/-0.003 χ^2/NDF: 2527.4/56

- sign 0.429+/-0.004 χ^2/NDF: 1551.6/28

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

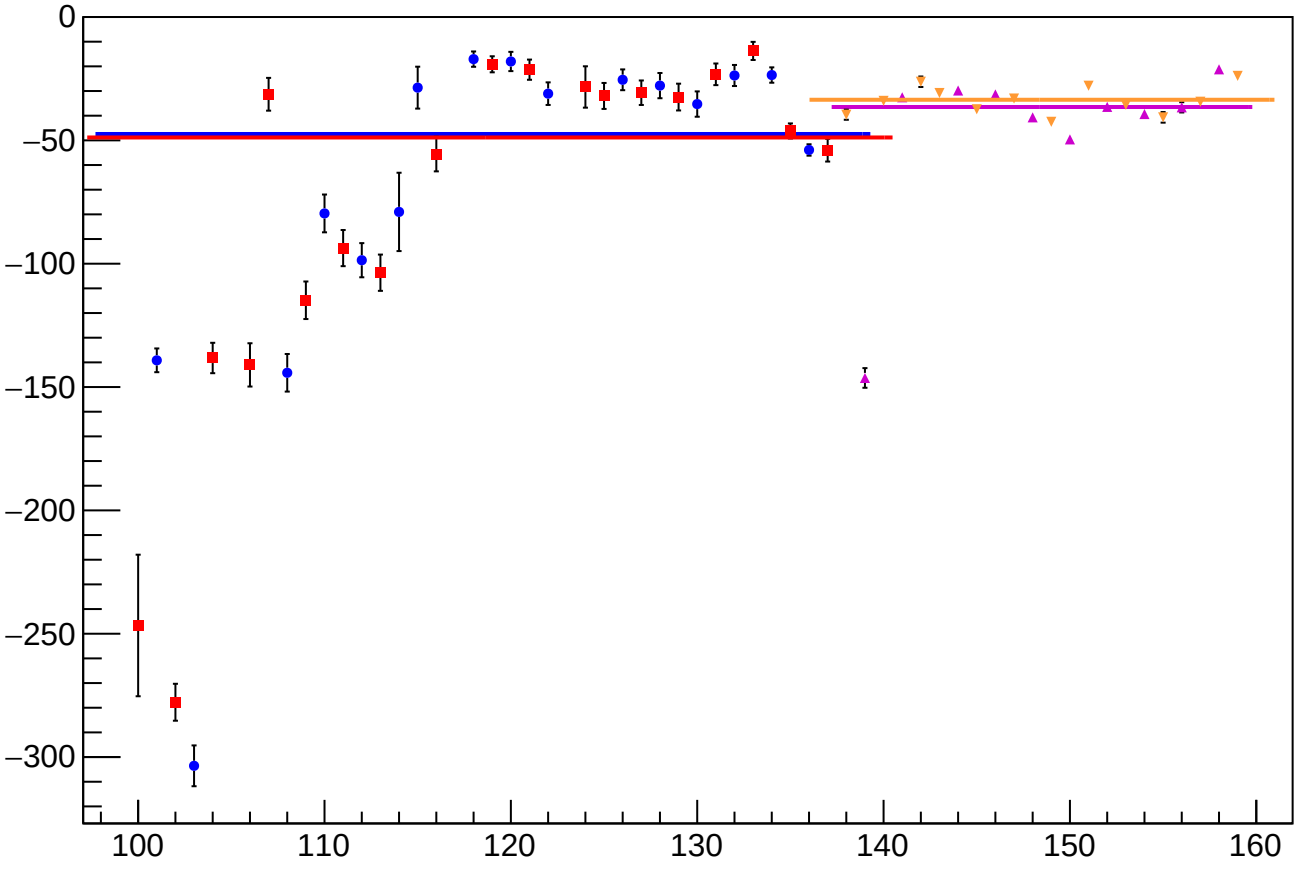
Left In: -45.770+/-0.767 χ^2/NDF:351.0/9

+ sign -41.191+/-0.596 χ^2/NDF: 791.6/27

All: -40.720+/-0.435 χ^2/NDF: 1727.0/56

- sign -40.185+/-0.636 χ^2/NDF: 934.1/28

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

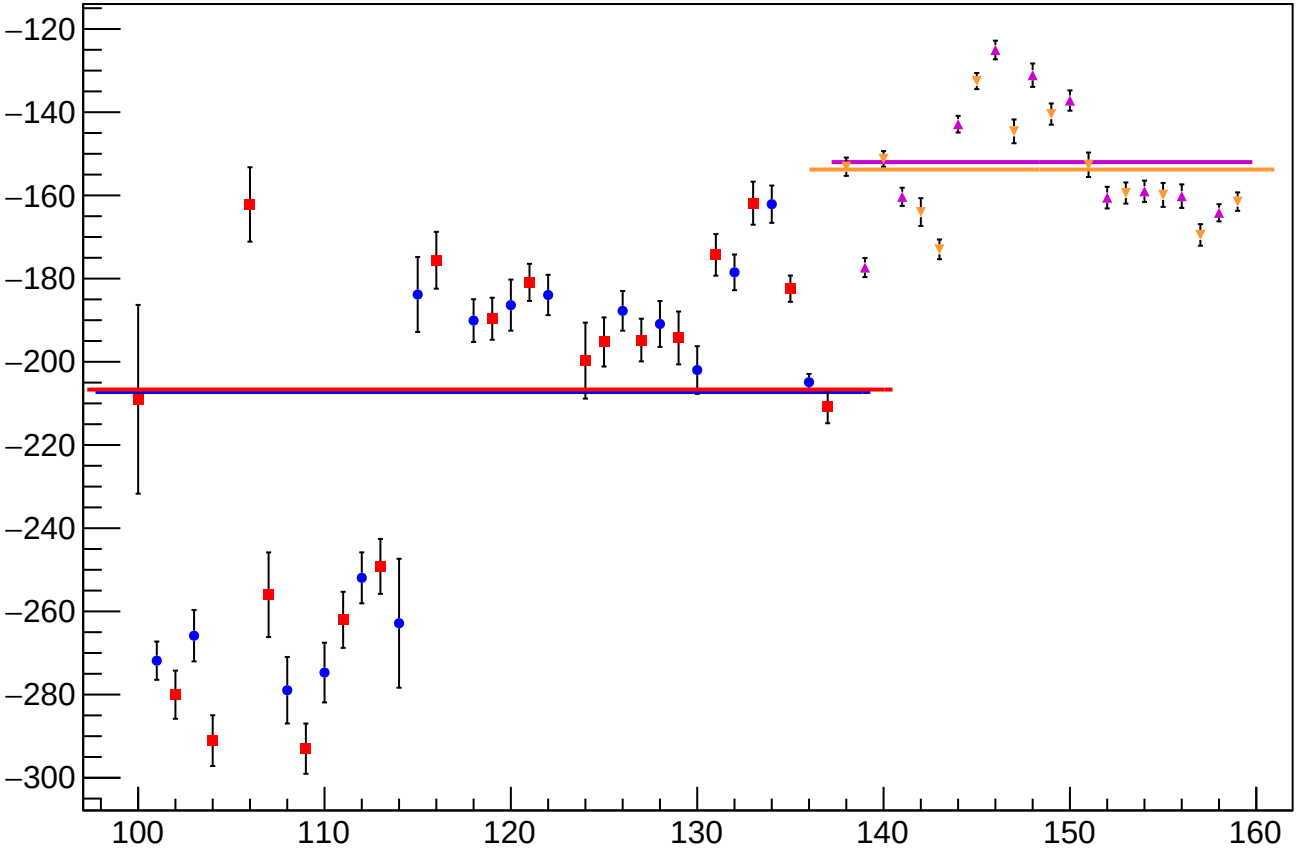
Left In: -36.480+/-0.531 χ^2/NDF:968.4/9

+ sign -35.911+/-0.455 χ^2/NDF: 2121.2/27

All: -37.149+/-0.331 χ^2/NDF: 4970.8/56

- sign -38.550+/-0.484 χ^2/NDF: 2833.8/28

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

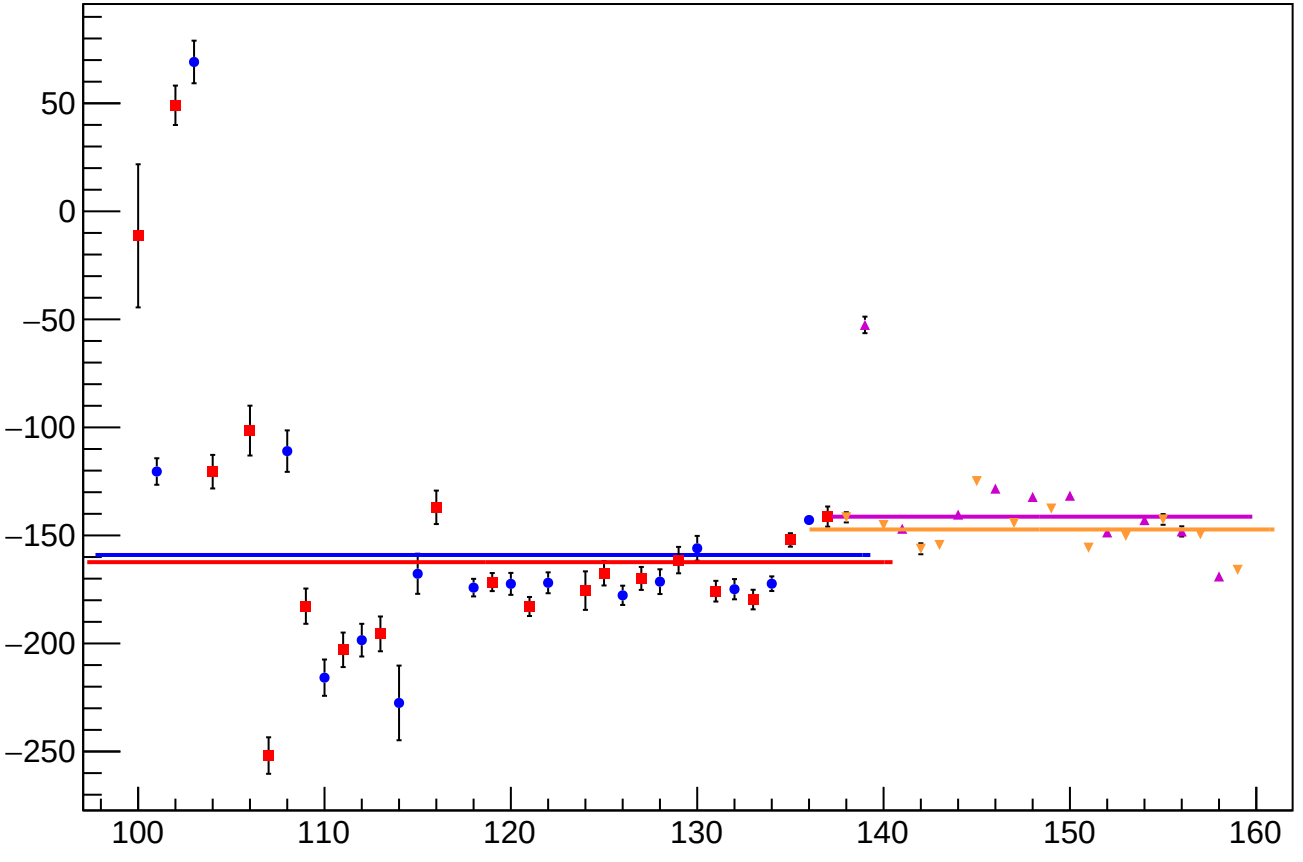
Left In: -151.991+/-0.746 χ^2/NDF:454.8/9

+ sign -167.726+/-0.602 χ^2/NDF: 2565.4/27

All: -166.854+/-0.440 χ^2/NDF: 5357.6/56

- sign -165.854+/-0.644 χ^2/NDF: 2787.7/28

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

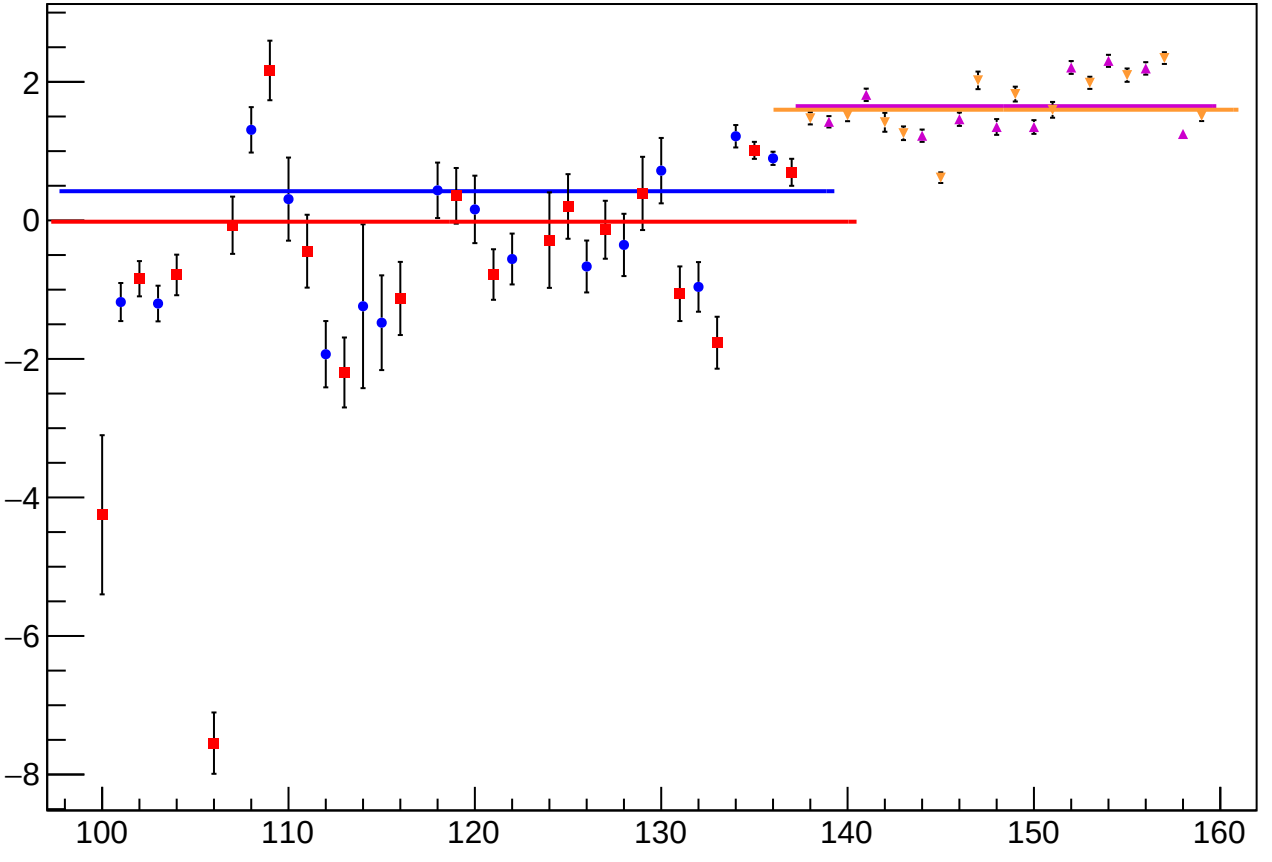
Left In: -141.321+/-0.627 χ^2/NDF:965.7/9

+ sign -149.472+/-0.533 χ^2/NDF: 1252.4/27

All: -147.455+/-0.388 χ^2/NDF: 3327.6/56

- sign -145.174+/-0.567 χ^2/NDF: 2044.7/28

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

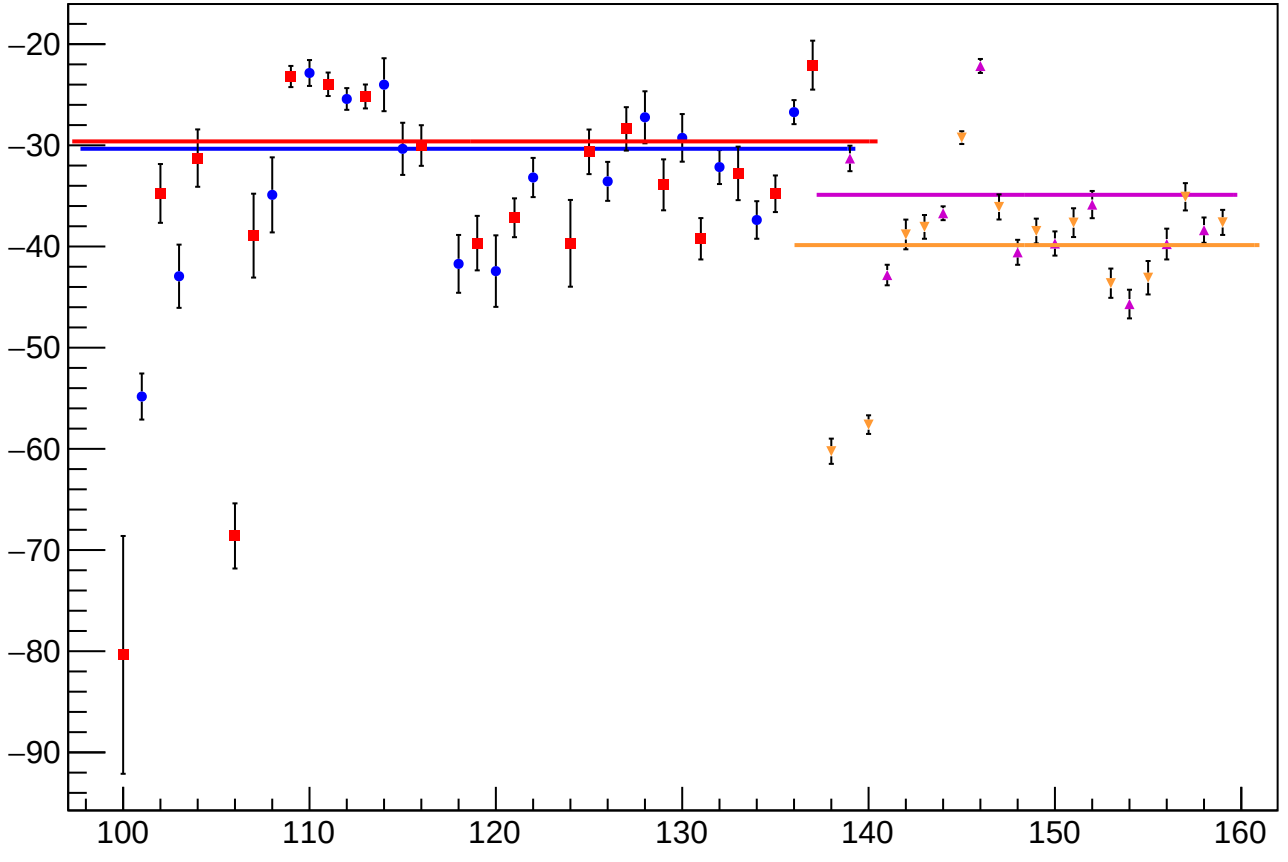
Left In: 1.649+/-0.028 χ^2/NDF:213.9/9

\+ sign 1.424+/-0.025 χ^2/NDF: 799.1/27

All: 1.425+/-0.018 χ^2/NDF: 1962.6/56

\- sign 1.428+/-0.026 χ^2/NDF: 1163.4/28

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

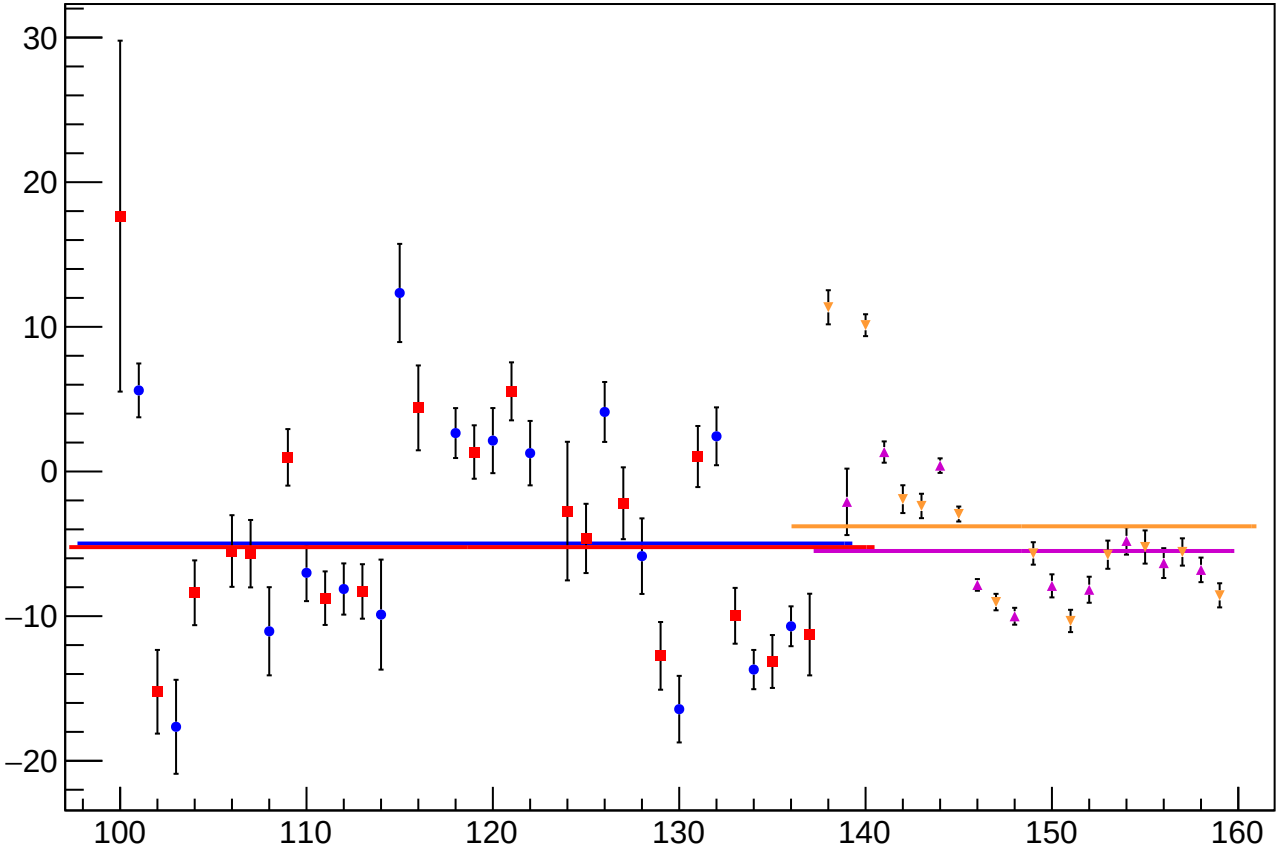
Left In: -34.892+/-0.328 χ^2/NDF:529.6/9

+ sign -36.742+/-0.268 χ^2/NDF: 1494.9/27

All: -34.884+/-0.188 χ^2/NDF: 2538.8/56

- sign -33.065+/-0.265 χ^2/NDF: 948.6/28

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

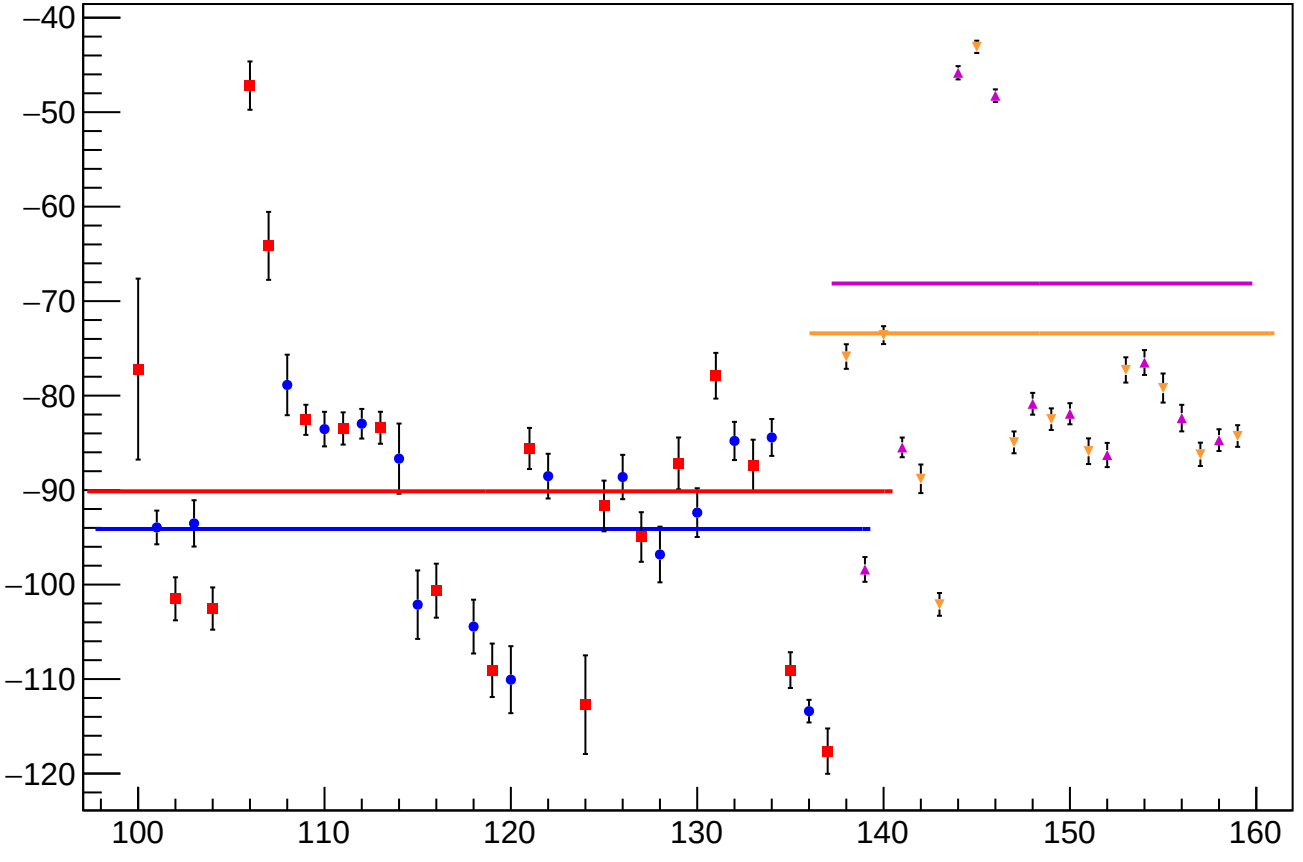
Left In: -5.495+/-0.217 χ^2/NDF:340.9/9

+ sign -3.985+/-0.207 χ^2/NDF: 958.4/27

All: -4.745+/-0.144 χ^2/NDF: 1462.1/56

- sign -5.456+/-0.200 χ^2/NDF: 477.6/28

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

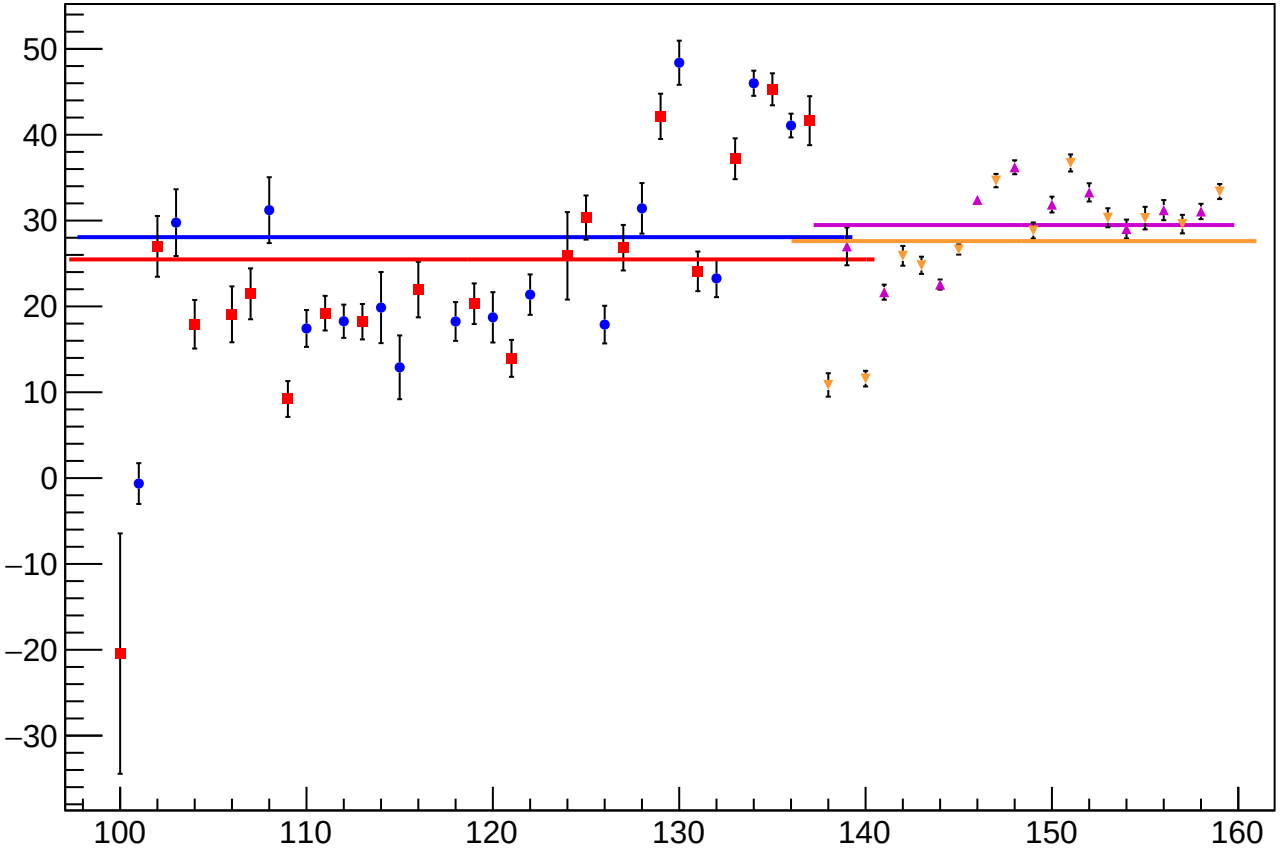
Left In: -68.134+/-0.320 χ^2/NDF:3529.3/9

+ sign -78.883+/-0.276 χ^2/NDF: 4873.2/27

All: -76.337+/-0.195 χ^2/NDF: 10579.4/56

- sign -73.802+/-0.276 χ^2/NDF: 5536.6/28

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

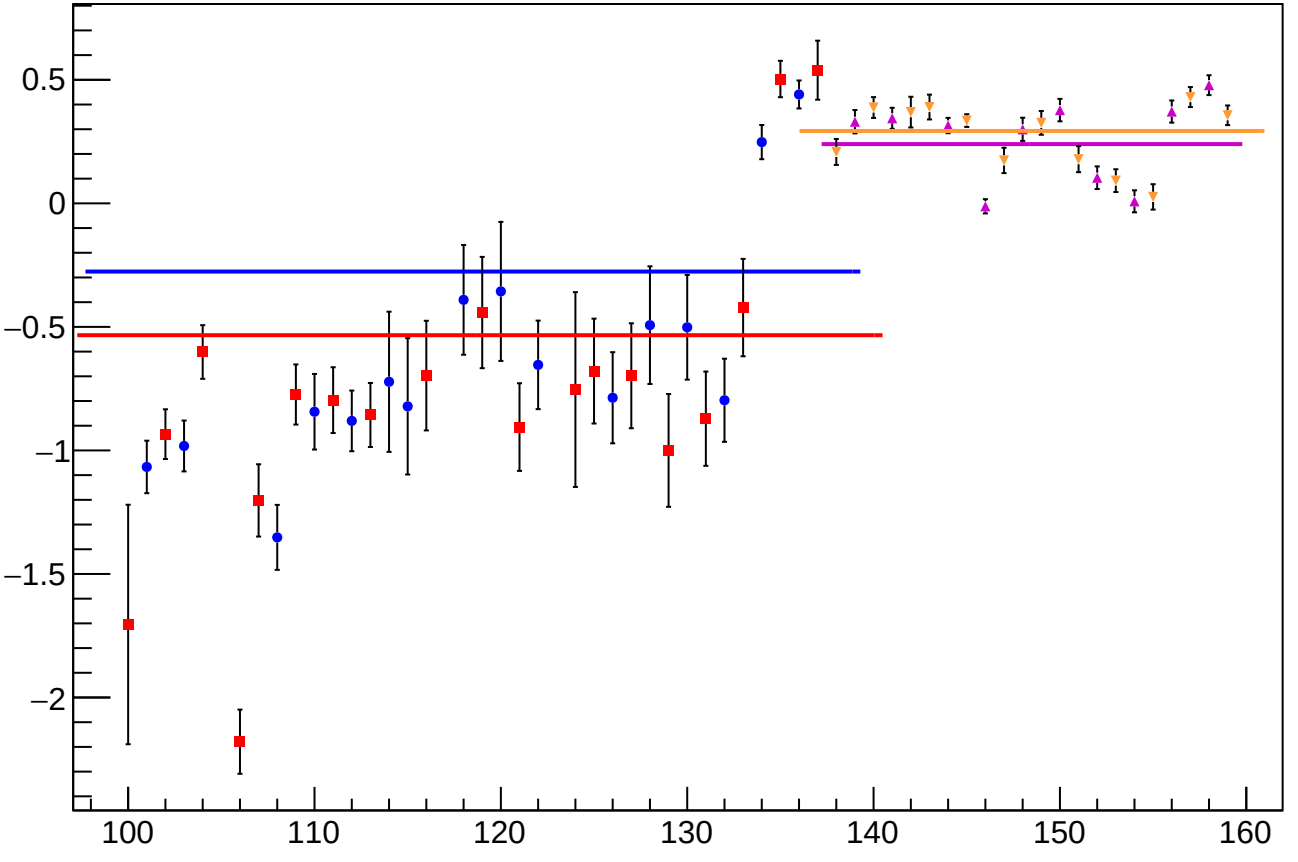
Left In: 29.477+/-0.262 χ^2/NDF:344.8/9

+ sign 27.695+/-0.244 χ^2/NDF: 1280.0/27

All: 28.269+/-0.171 χ^2/NDF: 2028.7/56

- sign 28.820+/-0.239 χ^2/NDF: 737.8/28

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

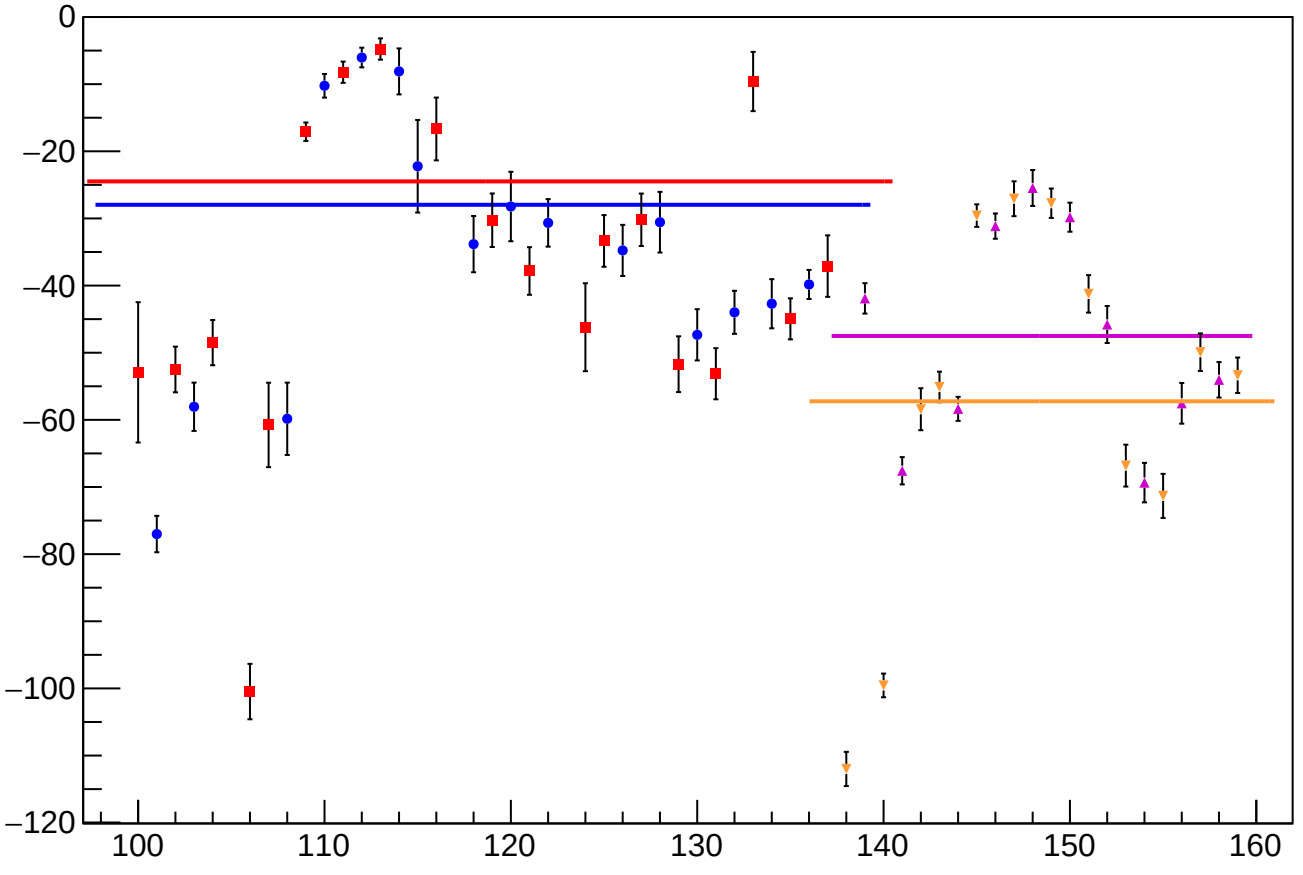
Left In: 0.240+/-0.013 χ^2/NDF:182.2/9

+ sign 0.211+/-0.012 χ^2/NDF: 837.1/27

All: 0.176+/-0.008 χ^2/NDF: 2031.0/56

- sign 0.140+/-0.012 χ^2/NDF: 1175.5/28

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

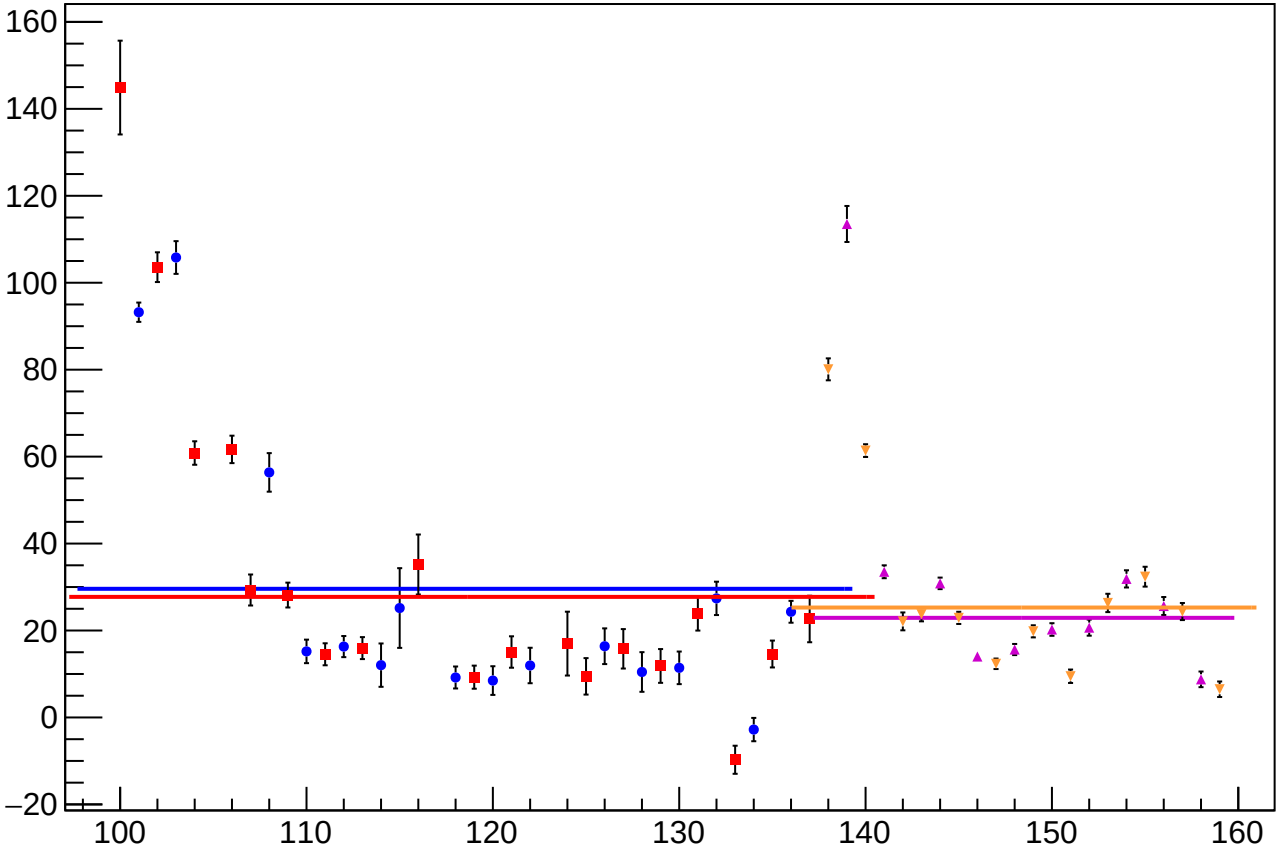
Left In: -47.503+/-0.729 χ^2/NDF:423.3/9

+ sign -43.296+/-0.502 χ^2/NDF: 3436.5/27

All: -39.002+/-0.351 χ^2/NDF: 5538.3/56

- sign -34.907+/-0.490 χ^2/NDF: 1958.9/28

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

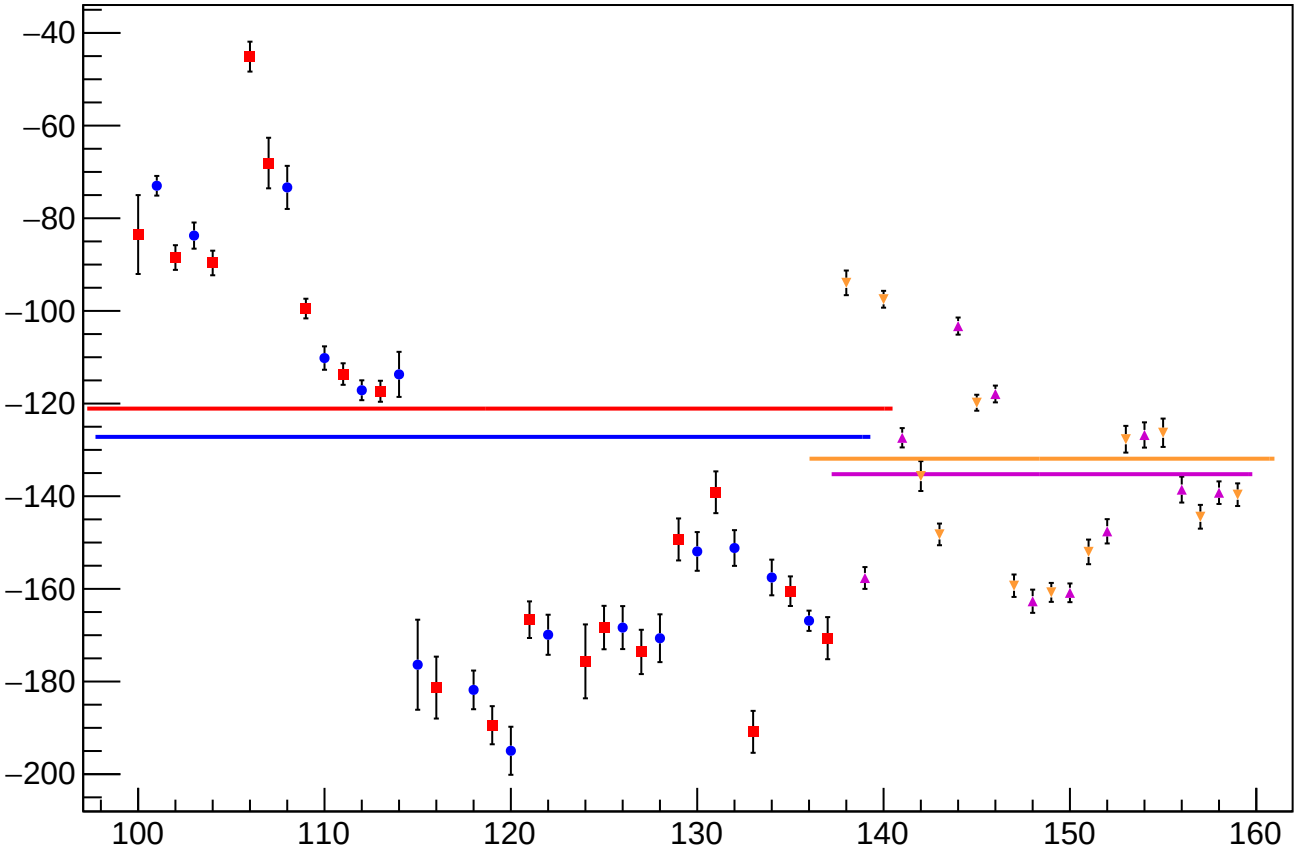
Left In: 22.915+/-0.499 χ^2/NDF:746.5/9

+ sign 26.411+/-0.412 χ^2/NDF: 3125.3/27

All: 25.369+/-0.295 χ^2/NDF: 5096.3/56

- sign 24.273+/-0.423 χ^2/NDF: 1957.9/28

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

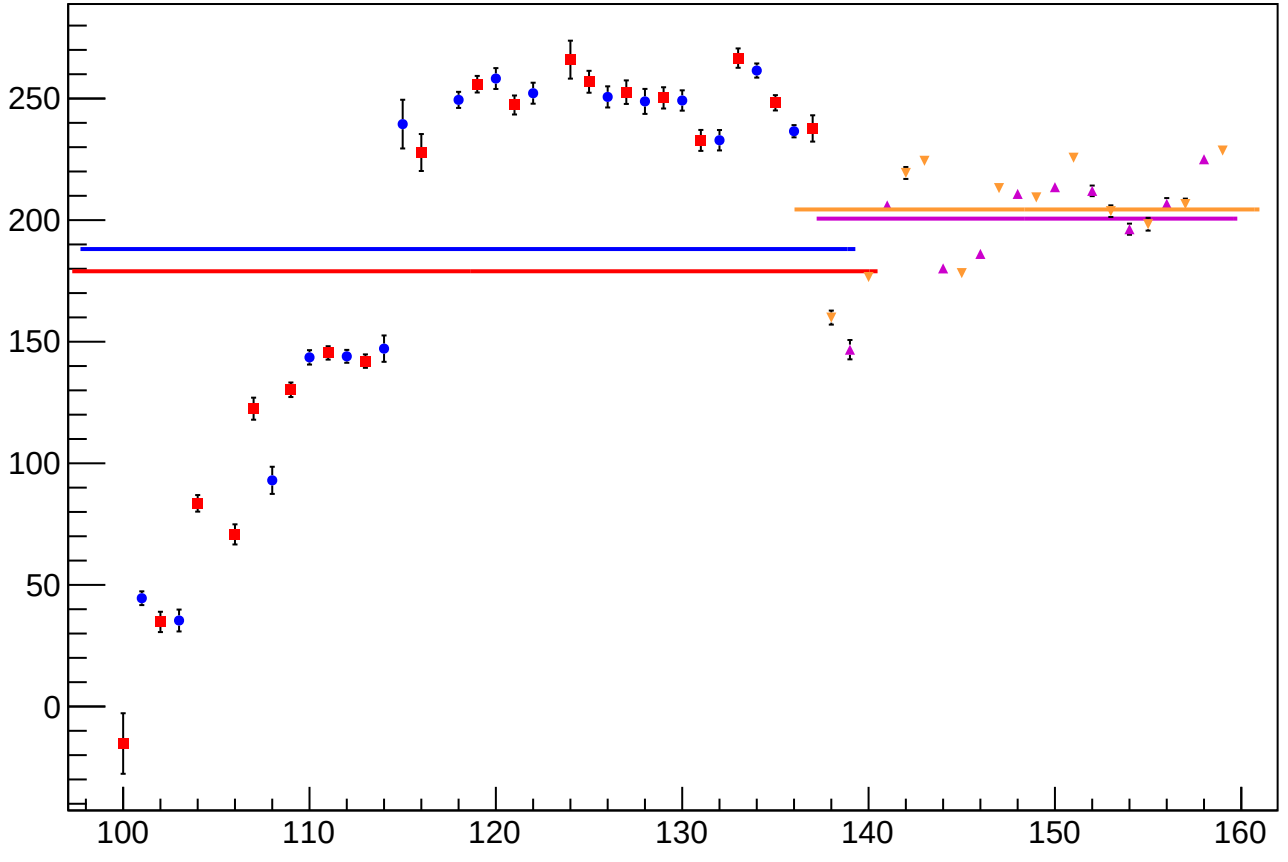
Left In: -135.244+/-0.709 χ^2/NDF:811.5/9

+ sign -130.004+/-0.526 χ^2/NDF: 3283.3/27

All: -129.502+/-0.373 χ^2/NDF: 6669.8/56

- sign -128.993+/-0.530 χ^2/NDF: 3384.7/28

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

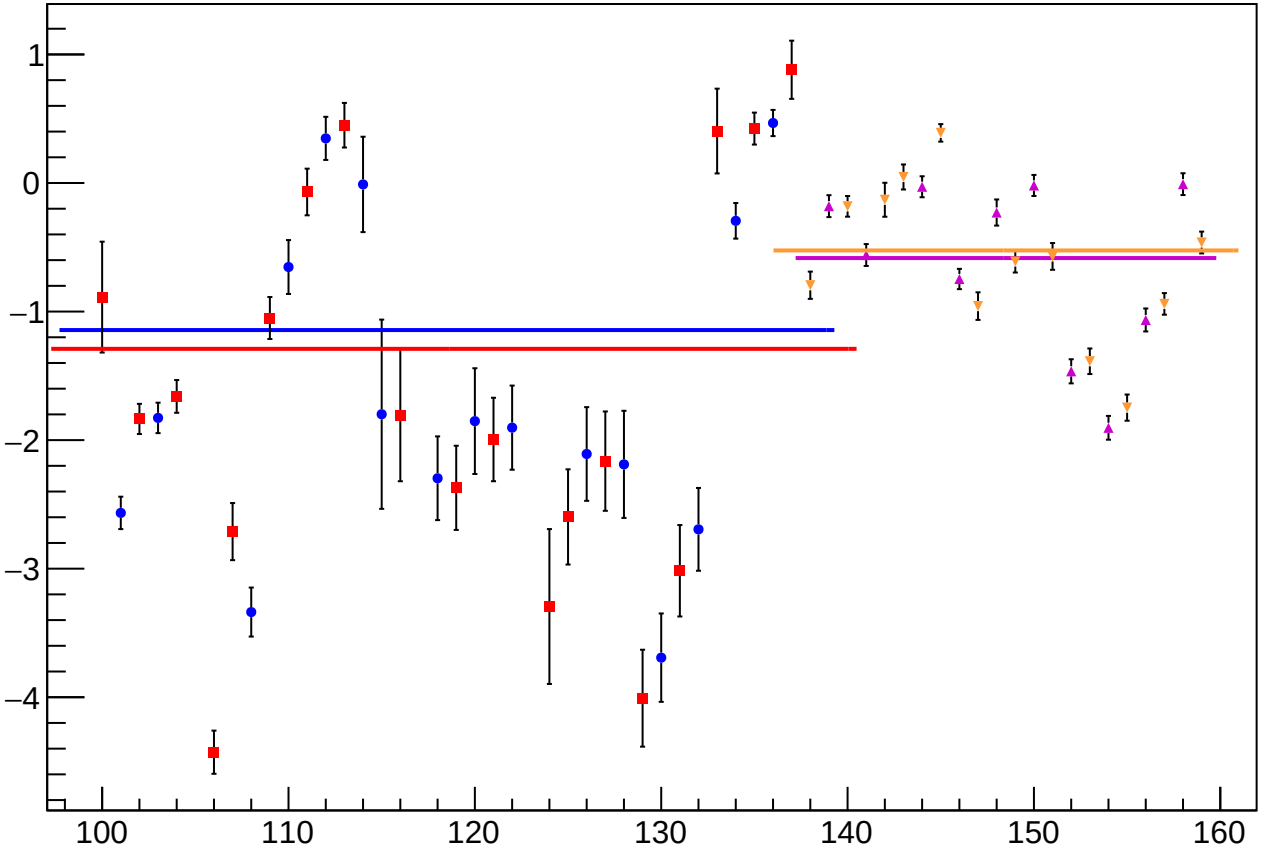
Left In: 200.614+/-0.594 χ^2/NDF:767.9/9

\+ sign 199.827+/-0.486 χ^2/NDF: 8569.0/27

All: 197.041+/-0.348 χ^2/NDF: 16470.7/56

\- sign 194.126+/-0.497 χ^2/NDF: 7834.5/28

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

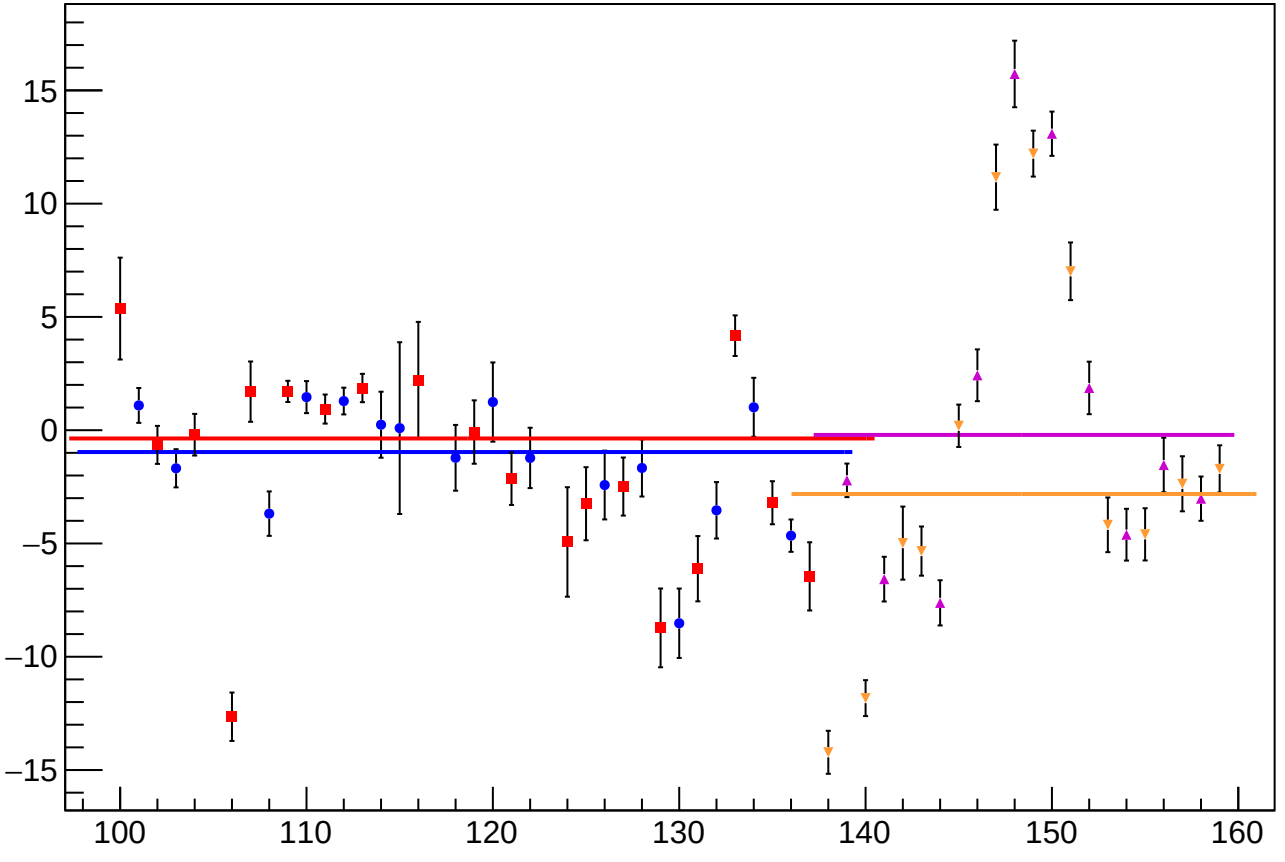
Left In: -0.584+/-0.027 χ^2/NDF:499.4/9

+ sign -0.670+/-0.023 χ^2/NDF: 1424.6/27

All: -0.714+/-0.017 χ^2/NDF: 3095.7/56

- sign -0.761+/-0.024 χ^2/NDF: 1663.6/28

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

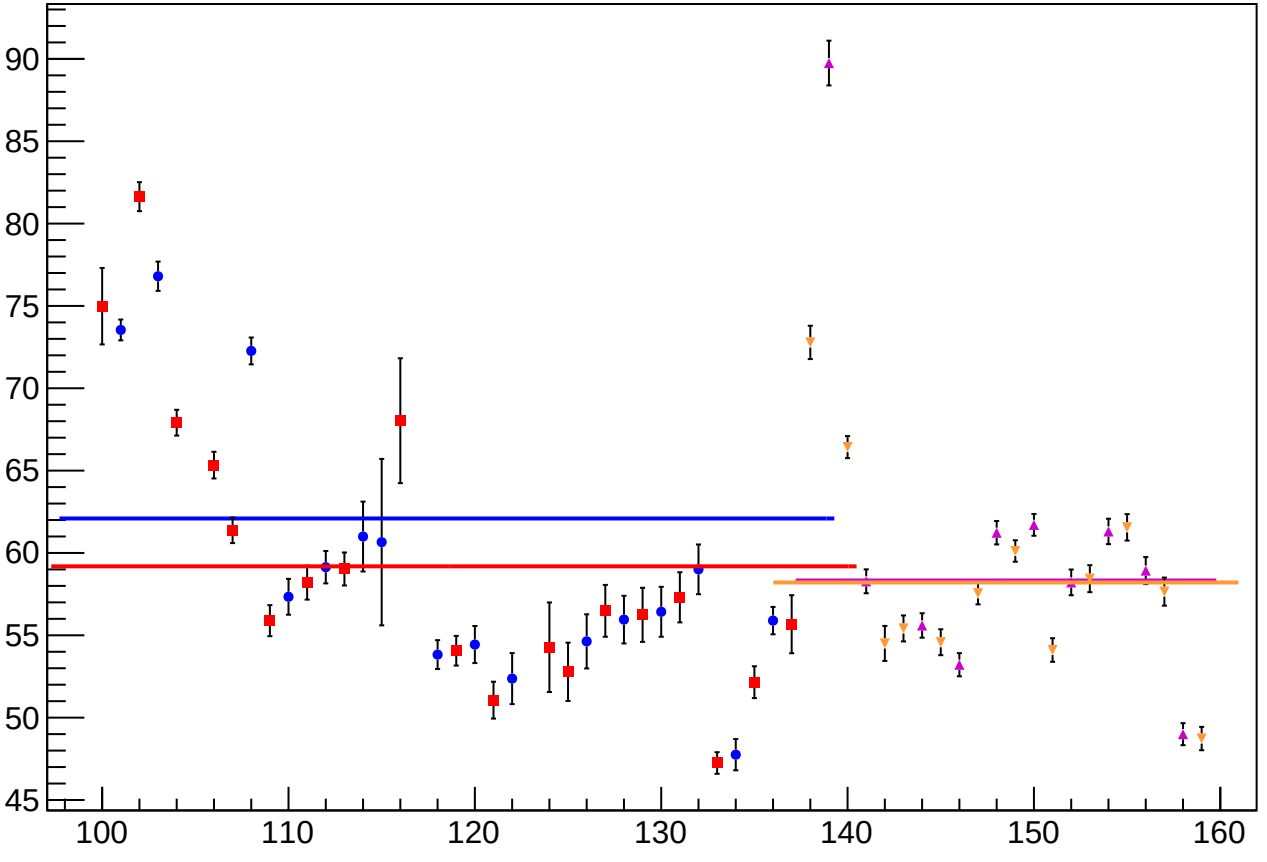
Left In: -0.208+/-0.327 χ^2/NDF:439.9/9

+ sign -1.696+/-0.197 χ^2/NDF: 794.2/27

All: -0.961+/-0.135 χ^2/NDF: 1541.1/56

- sign -0.315+/-0.185 χ^2/NDF: 720.7/28

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

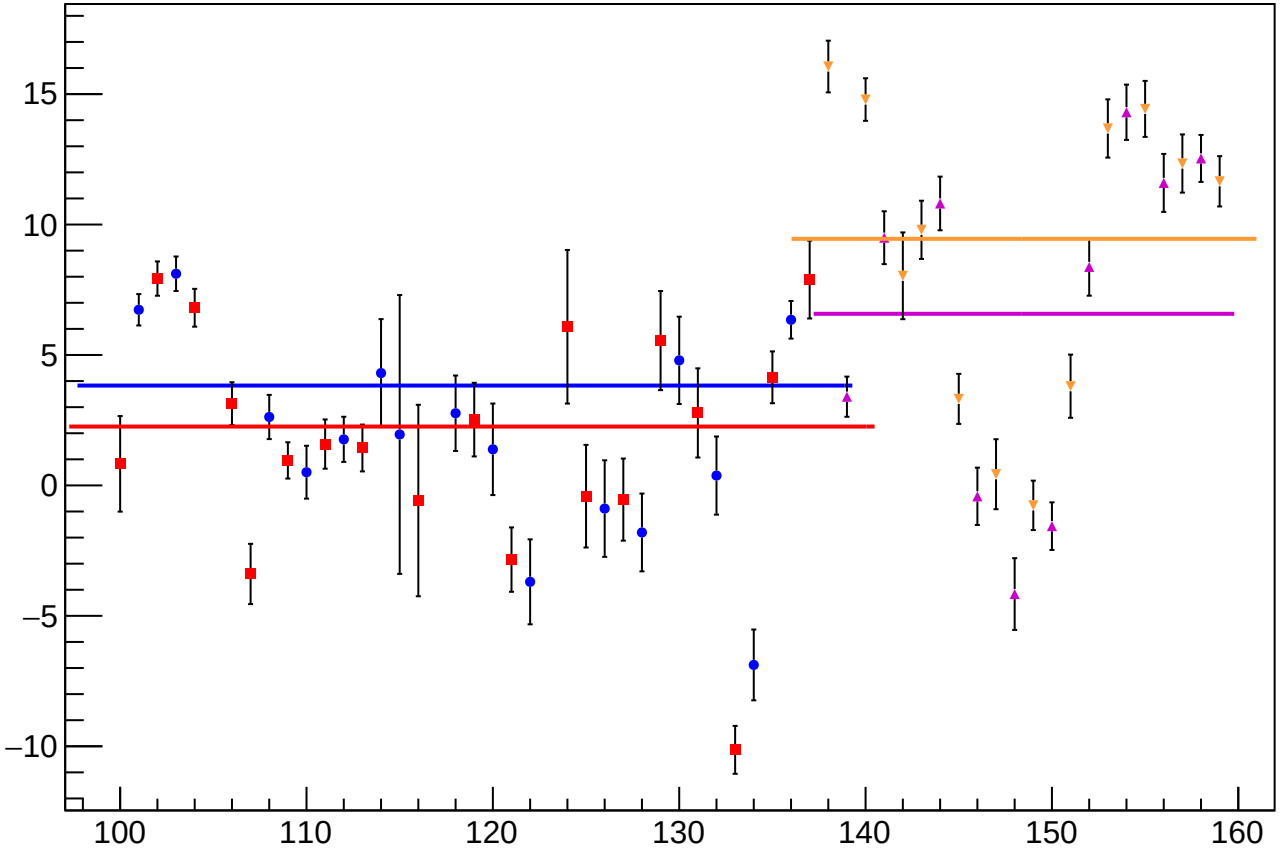
Left In: 58.327+/-0.239 χ^2/NDF:853.5/9

+ sign 59.812+/-0.170 χ^2/NDF: 2069.7/27

All: 59.280+/-0.121 χ^2/NDF: 4351.1/56

- sign 58.748+/-0.171 χ^2/NDF: 2262.0/28

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

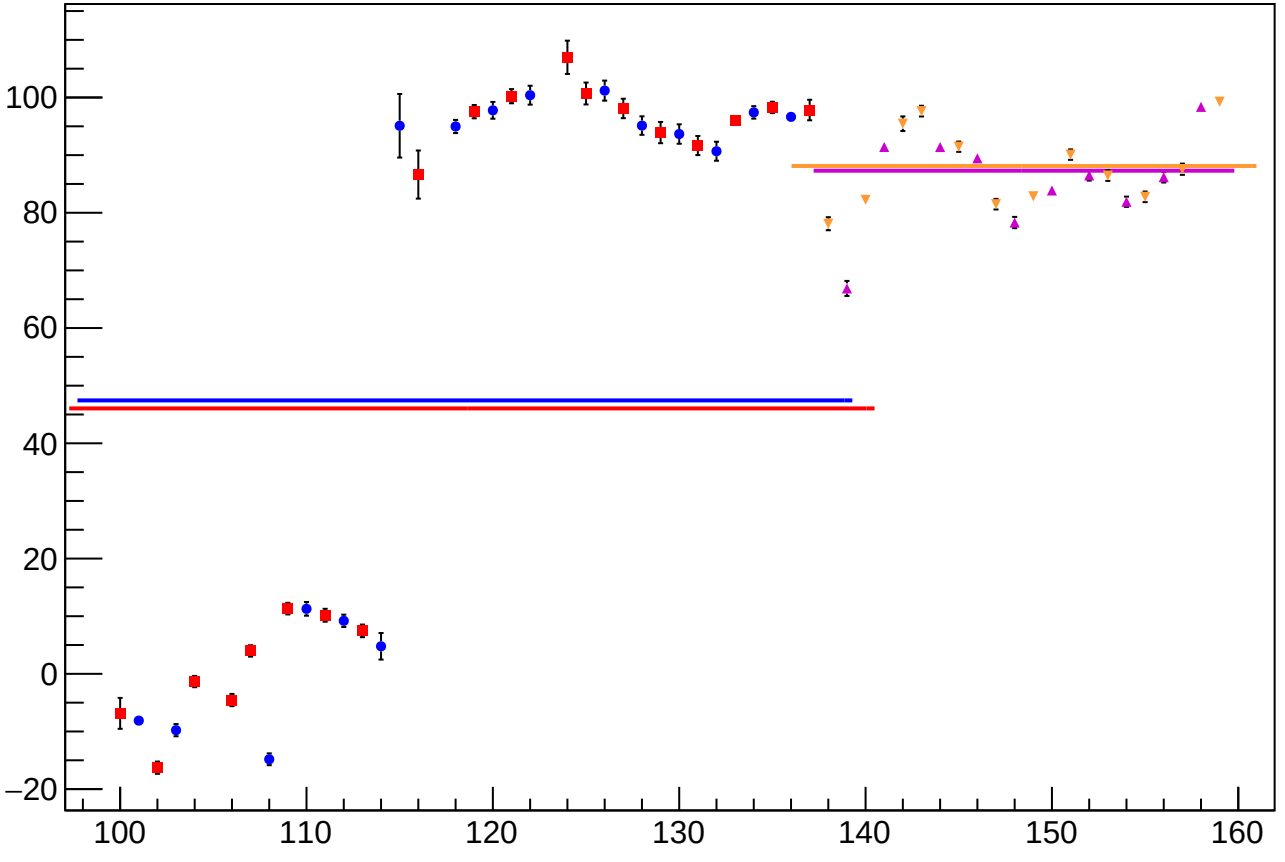
Left In: 6.578+/-0.318 χ^2/NDF:343.3/9

+ sign 6.240+/-0.200 χ^2/NDF: 761.6/27

All: 5.026+/-0.140 χ^2/NDF: 1663.6/56

- sign 3.881+/-0.195 χ^2/NDF: 830.8/28

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

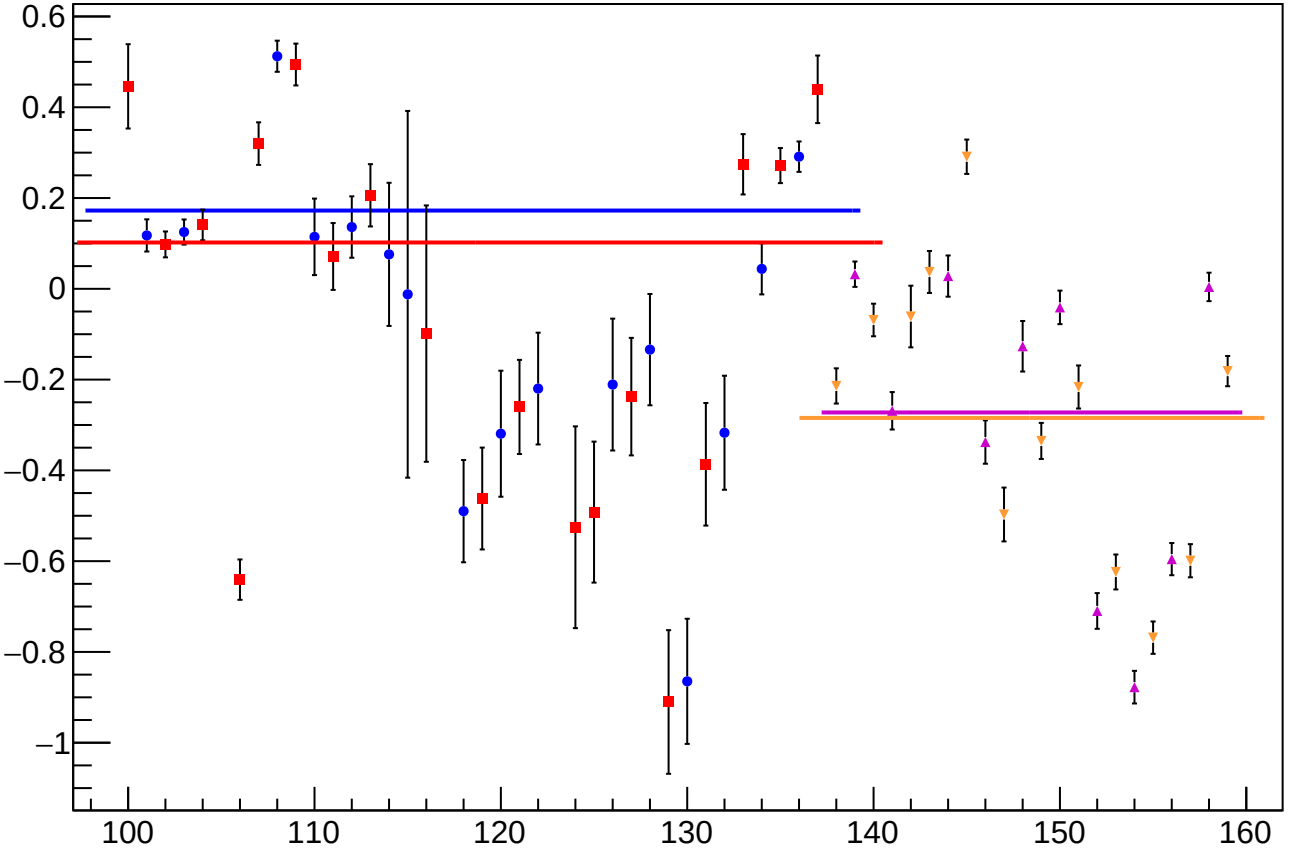
Left In: 87.302+/-0.277 χ^2/NDF:688.9/9

+ sign 71.075+/-0.199 χ^2/NDF: 37664.8/27

All: 69.128+/-0.141 χ^2/NDF: 78222.0/56

- sign 67.197+/-0.199 χ^2/NDF: 40367.3/28

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

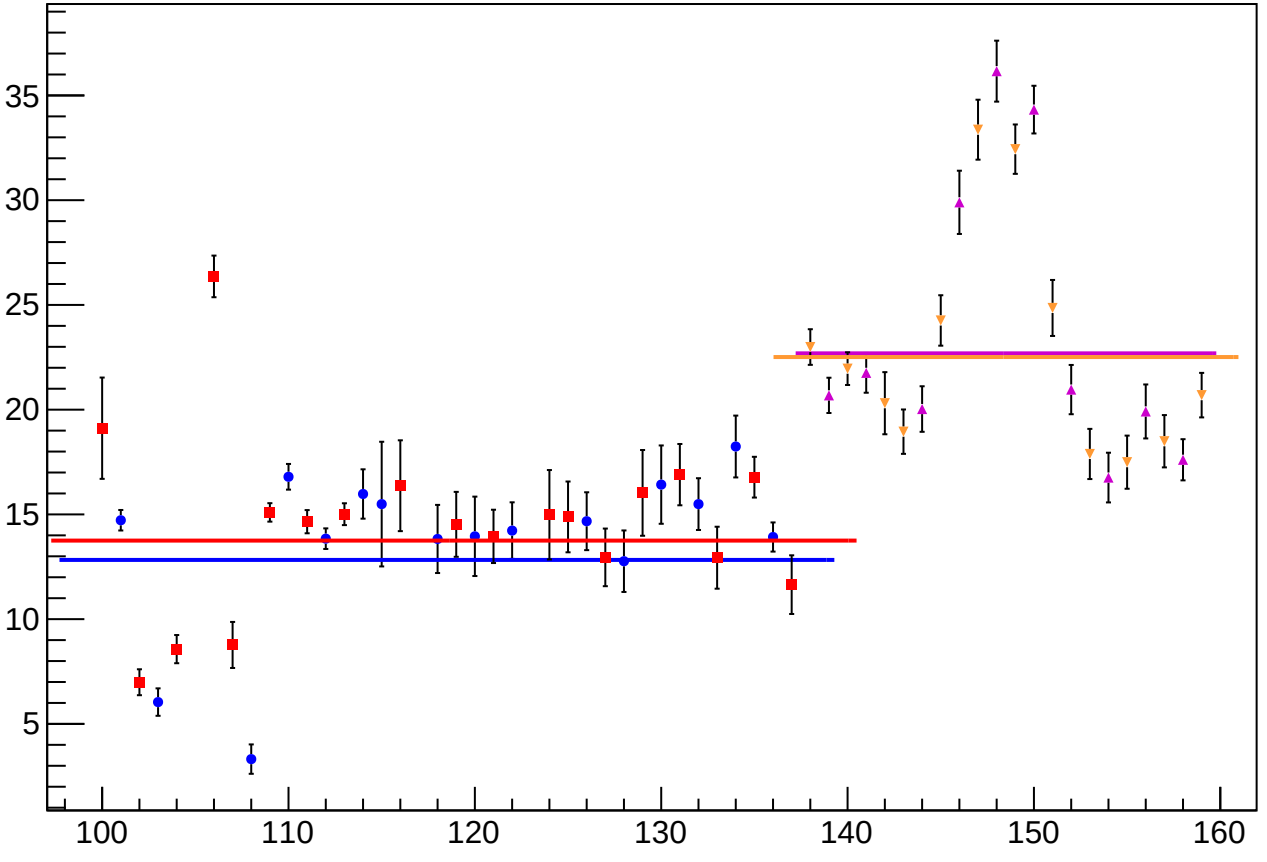
Left In: -0.272+/-0.012 χ^2/NDF:778.6/9

+ sign -0.099+/-0.009 χ^2/NDF: 1575.5/27

All: -0.104+/-0.006 χ^2/NDF: 3348.6/56

- sign -0.108+/-0.009 χ^2/NDF: 1772.6/28

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

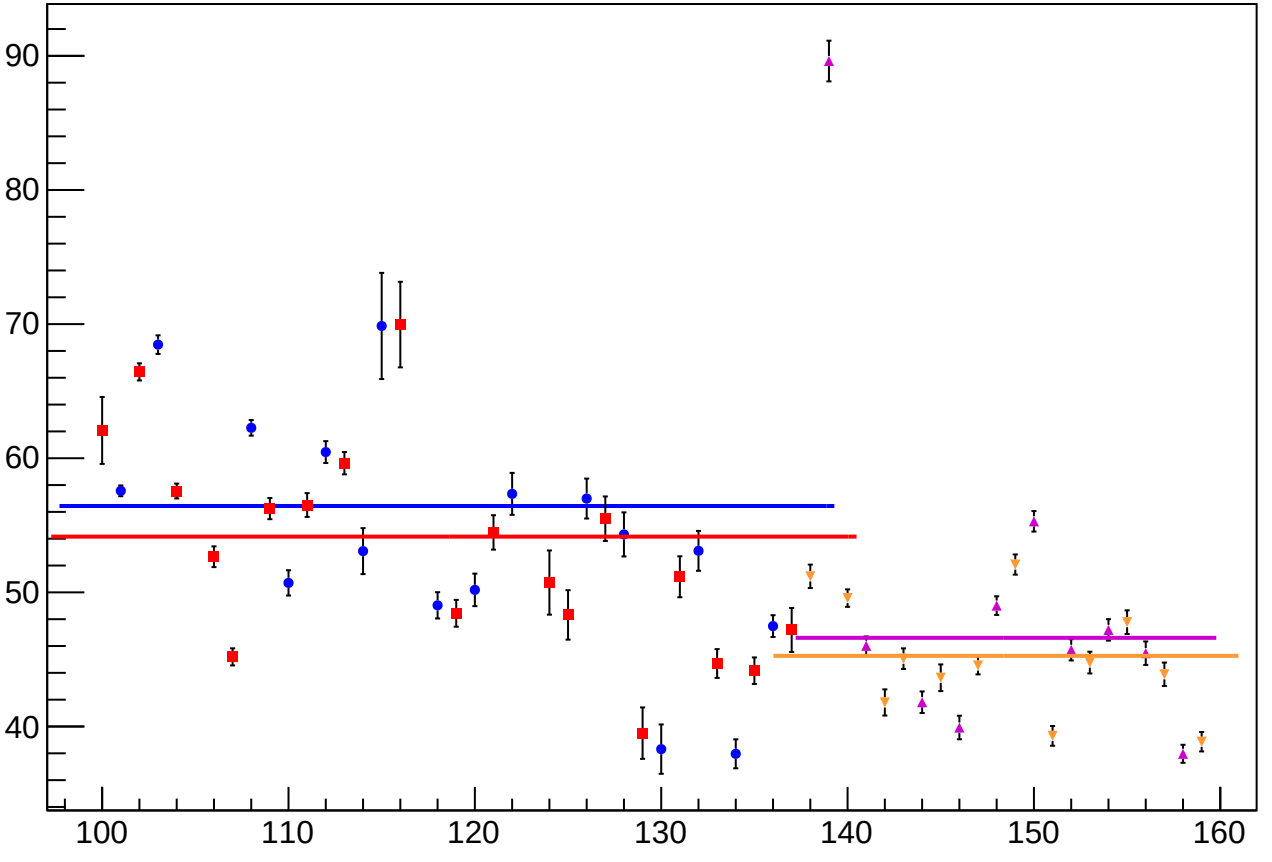
Left In: 22.688+/-0.351 χ^2/NDF:284.1/9

\+ sign 15.802+/-0.178 χ^2/NDF: 1208.6/27

All: 15.907+/-0.125 χ^2/NDF: 2382.0/56

\- sign 16.010+/-0.176 χ^2/NDF: 1172.8/28

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

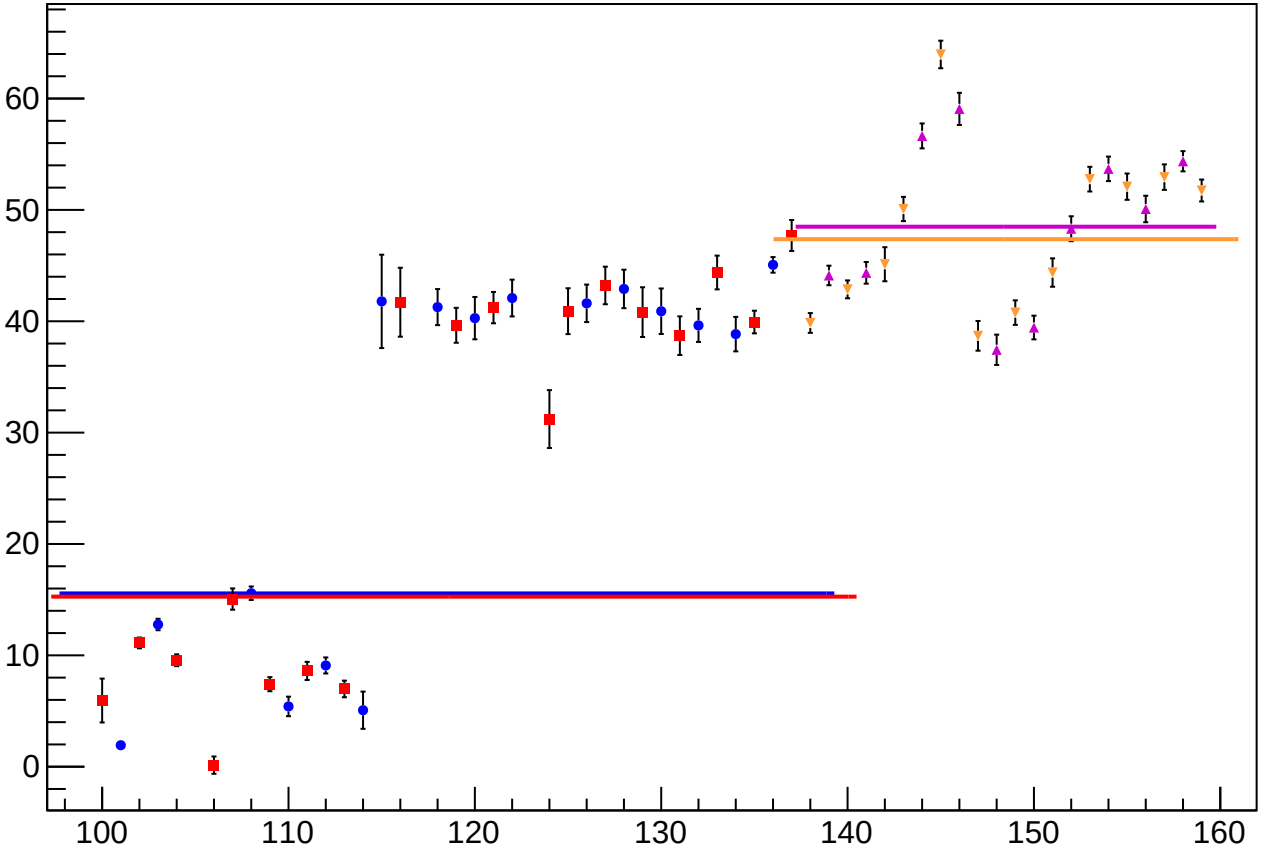
Left In: 46.611+/-0.252 χ^2/NDF:1207.6/9

+ sign 50.996+/-0.159 χ^2/NDF: 2666.7/27

All: 50.909+/-0.115 χ^2/NDF: 5382.1/56

- sign 50.812+/-0.168 χ^2/NDF: 2714.8/28

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

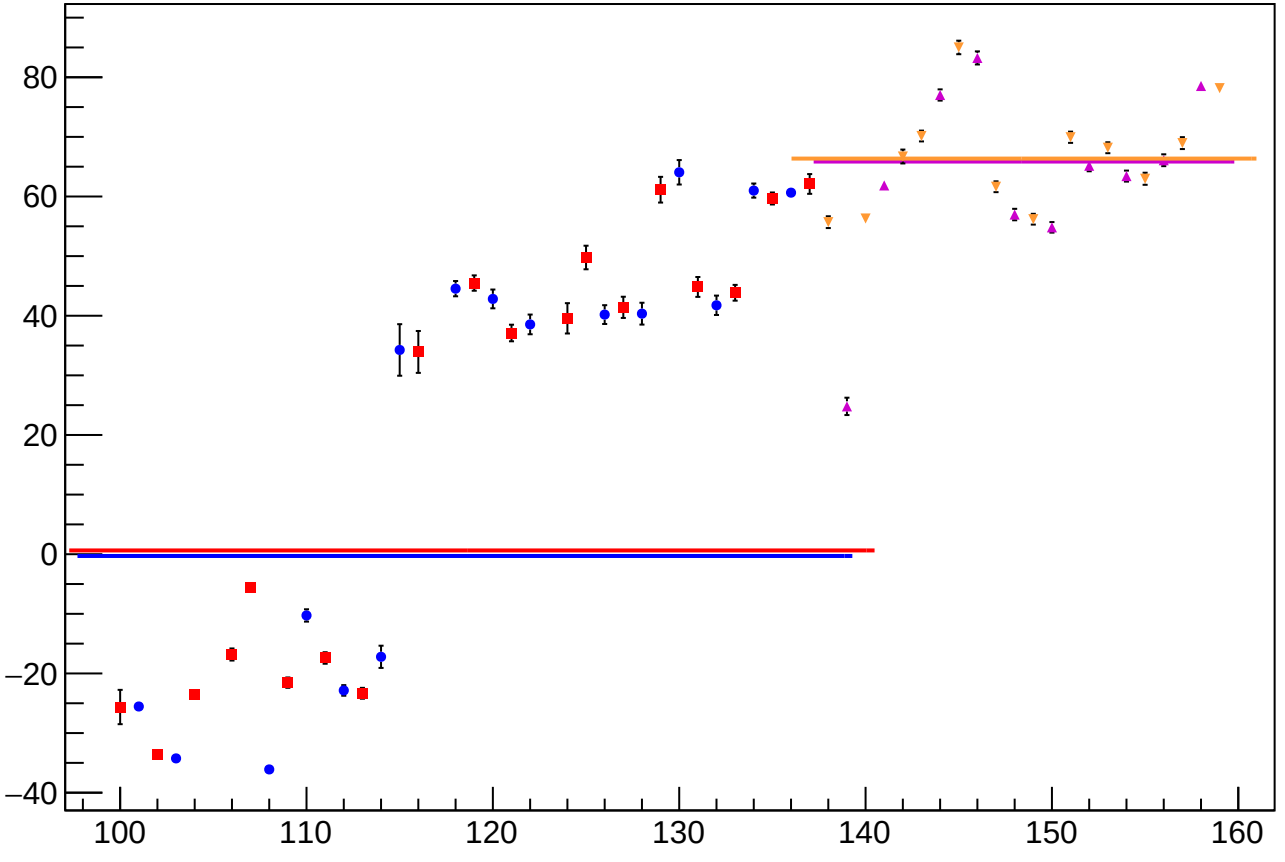
Left In: 48.491+/-0.341 χ^2/NDF:354.2/9

+ sign 25.601+/-0.177 χ^2/NDF: 12608.0/27

All: 25.304+/-0.128 χ^2/NDF: 23558.3/56

- sign 24.982+/-0.184 χ^2/NDF: 10944.4/28

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

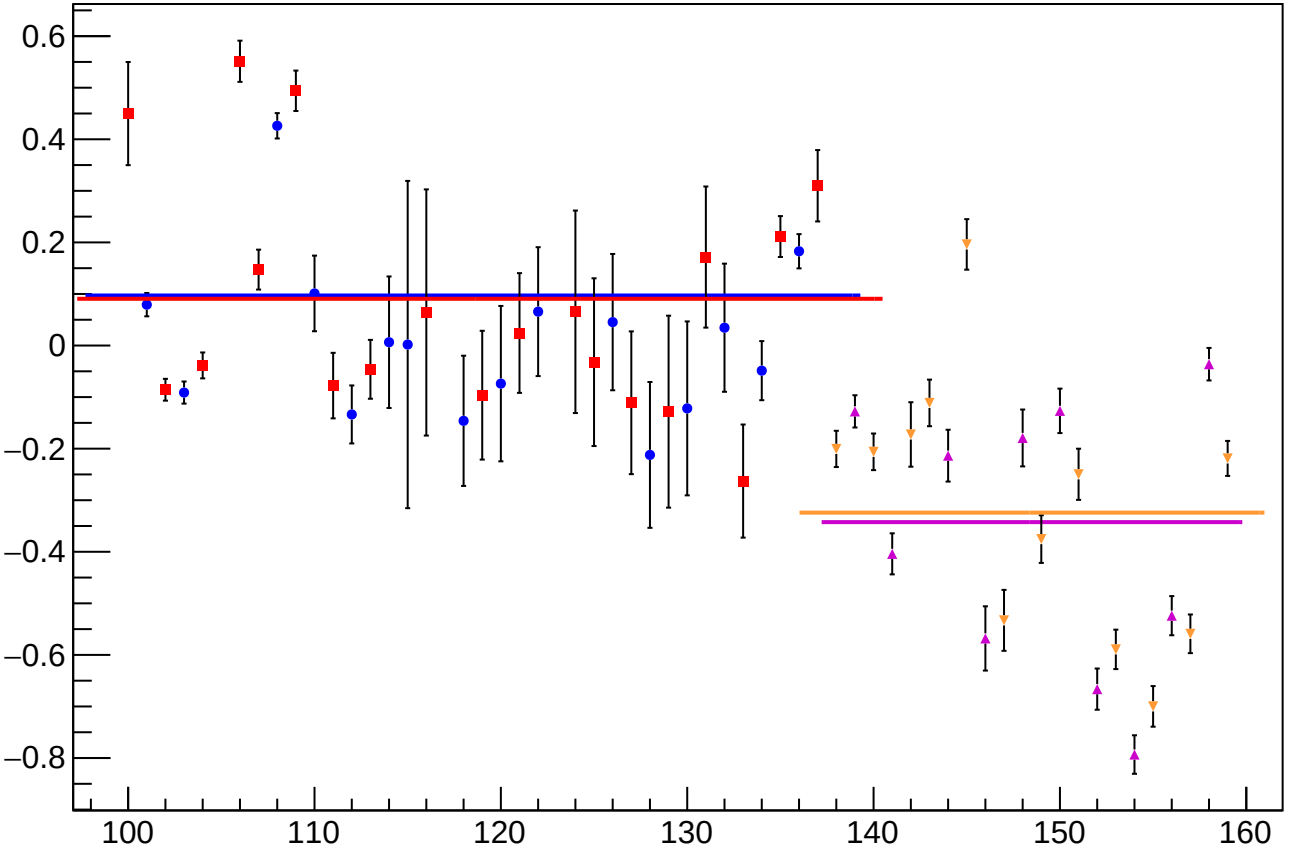
Left In: 65.863+/-0.294 χ^2/NDF:1781.9/9

+ sign 32.112+/-0.187 χ^2/NDF: 53645.7/27

All: 30.981+/-0.135 χ^2/NDF: 98857.0/56

- sign 29.742+/-0.196 χ^2/NDF: 45134.9/28

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

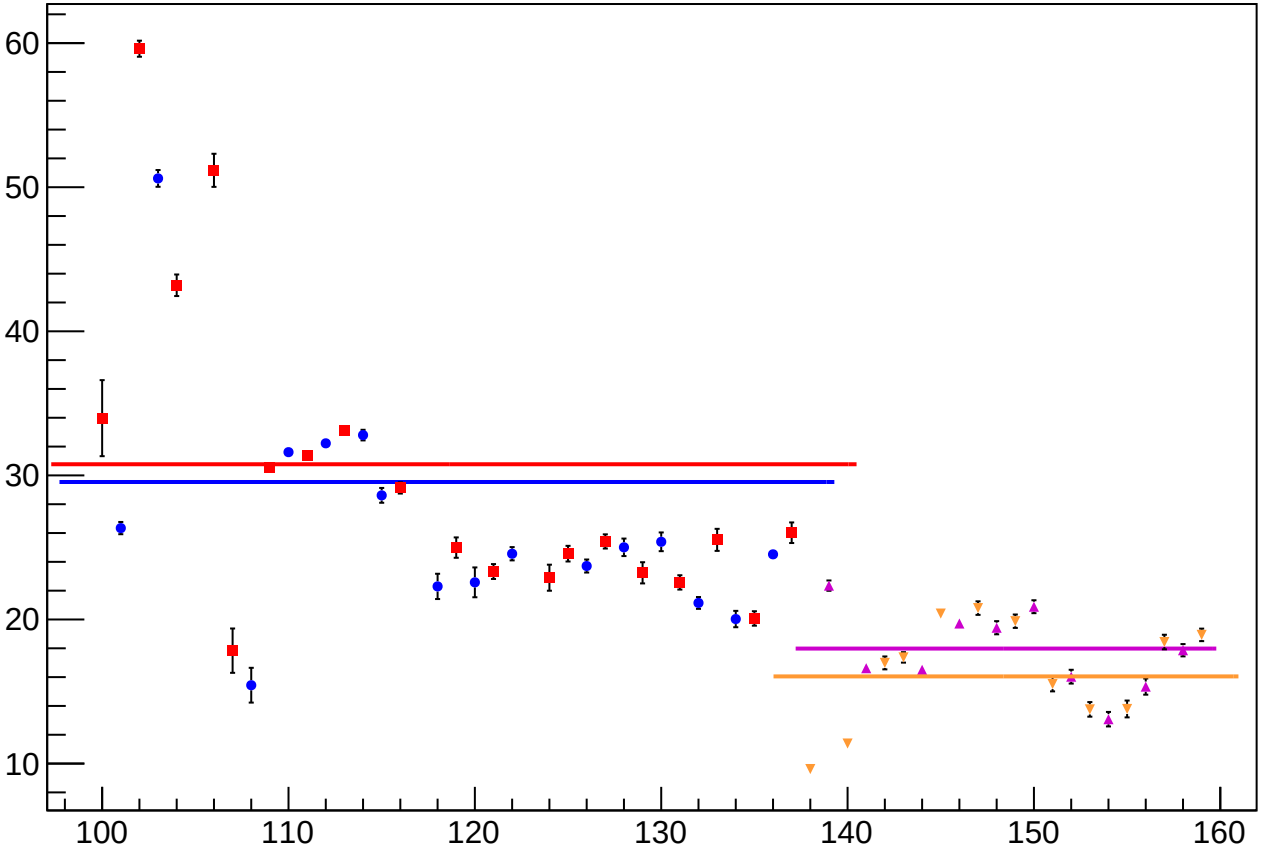
Left In: -0.342+/-0.013 χ^2/NDF:431.6/9

+ sign -0.098+/-0.008 χ^2/NDF: 1318.6/27

All: -0.100+/-0.006 χ^2/NDF: 2795.3/56

- sign -0.103+/-0.008 χ^2/NDF: 1476.5/28

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

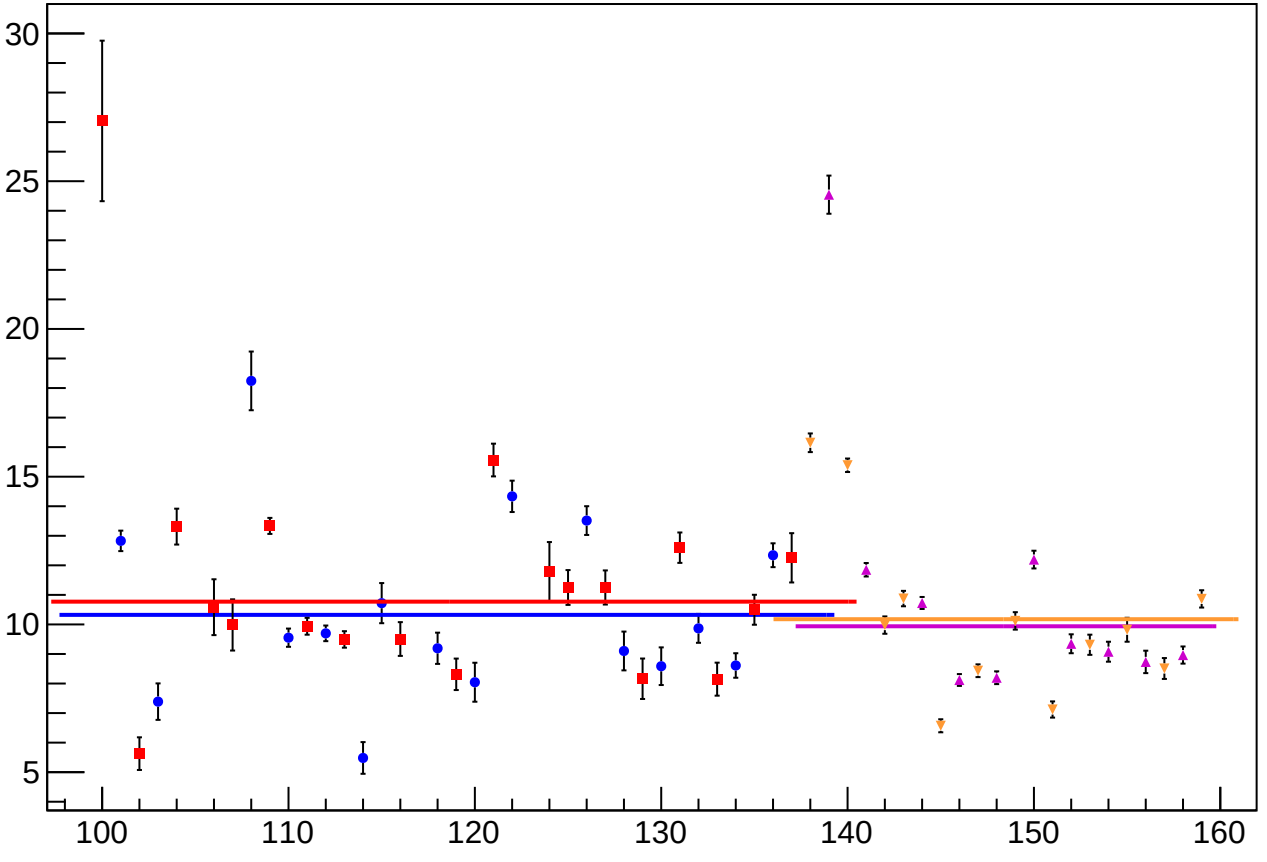
Left In: 17.981+/-0.123 χ^2/NDF:407.4/9

+ sign 24.203+/-0.071 χ^2/NDF: 13101.1/27

All: 25.667+/-0.049 χ^2/NDF: 26973.9/56

- sign 26.959+/-0.067 χ^2/NDF: 13083.6/28

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

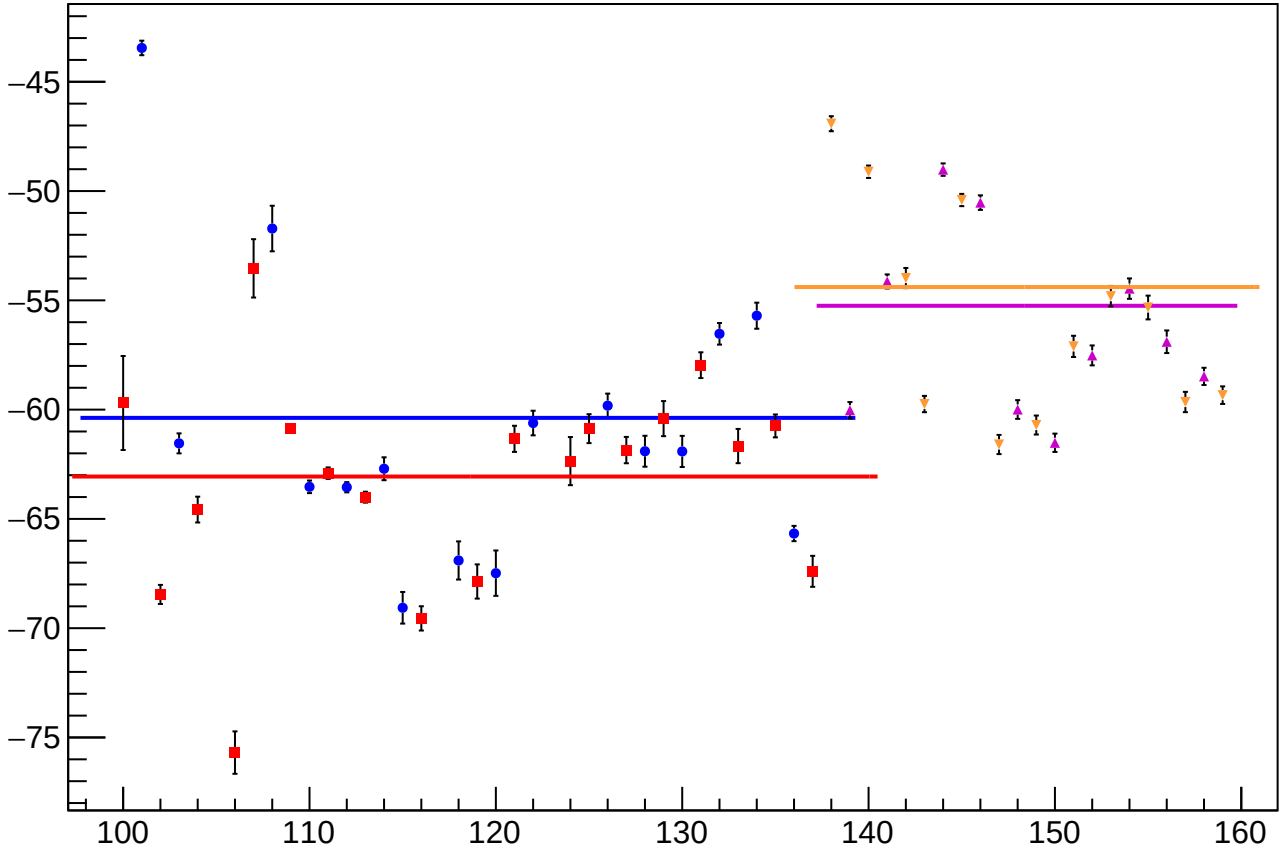
Left In: 9.938+/-0.084 χ^2/NDF:832.7/9

+ sign 10.225+/-0.065 χ^2/NDF: 1781.4/27

All: 10.231+/-0.047 χ^2/NDF: 3064.8/56

- sign 10.236+/-0.068 χ^2/NDF: 1283.4/28

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

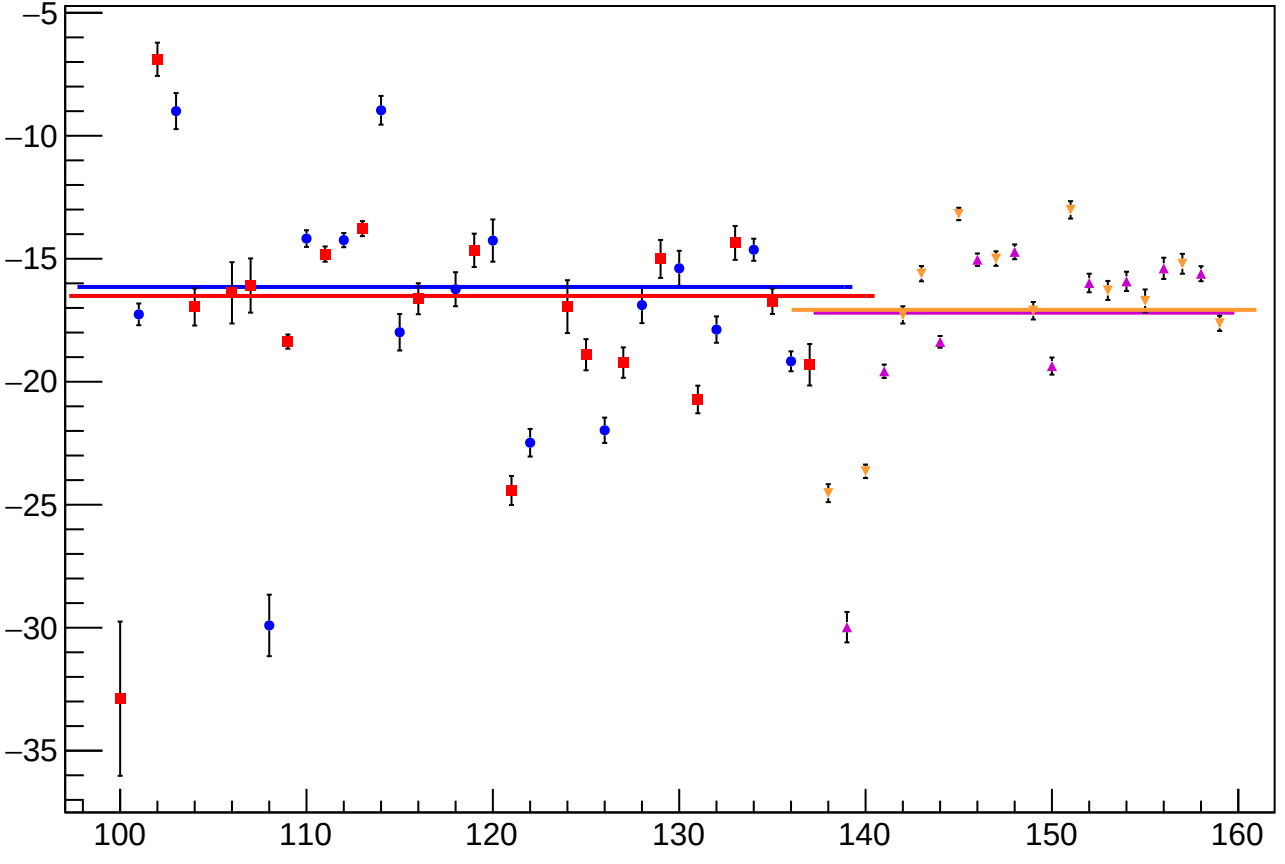
Left In: -55.249+/-0.120 χ^2/NDF:1308.7/9

+ sign -57.374+/-0.080 χ^2/NDF: 7024.4/27

All: -58.485+/-0.057 χ^2/NDF: 11914.0/56

- sign -59.605+/-0.080 χ^2/NDF: 4499.9/28

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

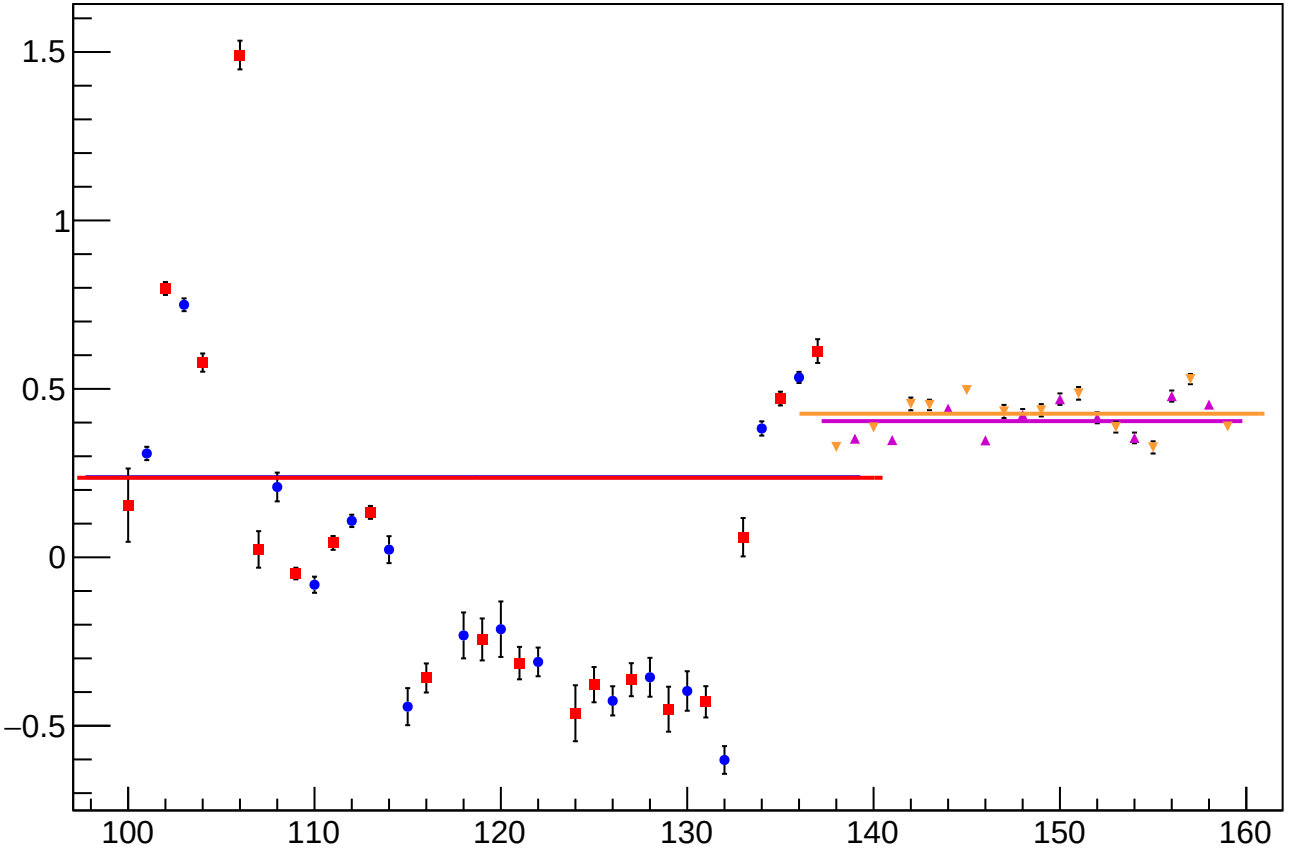
Left In: -17.192+/-0.101 χ^2/NDF:771.9/9

+ sign -16.742+/-0.076 χ^2/NDF: 2291.1/27

All: -16.830+/-0.055 χ^2/NDF: 3768.4/56

- sign -16.923+/-0.078 χ^2/NDF: 1474.6/28

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

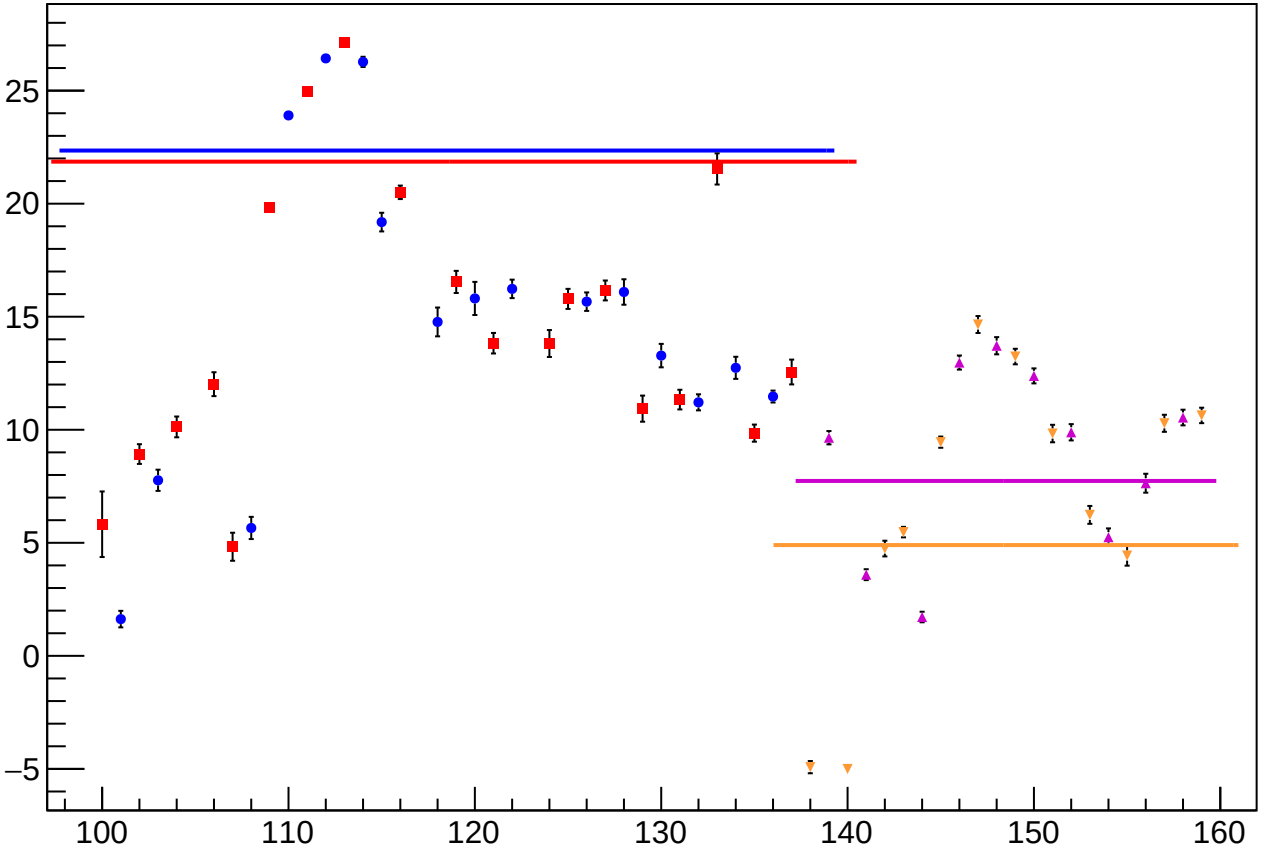
Left In: 0.404+/-0.005 χ^2/NDF:116.9/9

+ sign 0.373+/-0.004 χ^2/NDF: 3351.0/27

All: 0.364+/-0.003 χ^2/NDF: 7468.4/56

- sign 0.354+/-0.004 χ^2/NDF: 4104.2/28

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

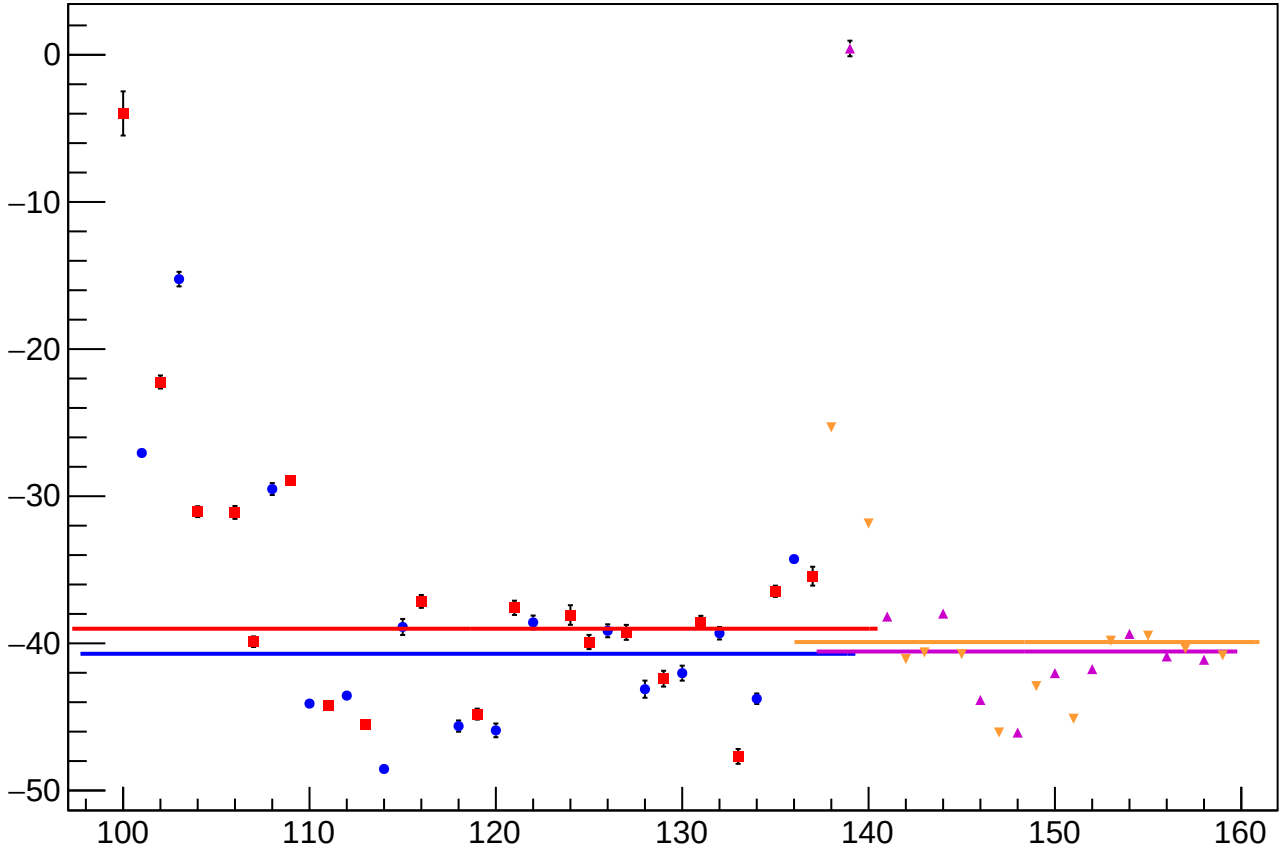
Left In: 7.736+/-0.099 χ^2/NDF:1873.1/9

+ sign 17.284+/-0.048 χ^2/NDF: 45705.9/27

All: 18.437+/-0.031 χ^2/NDF: 75981.8/56

- sign 19.330+/-0.042 χ^2/NDF: 29236.7/28

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

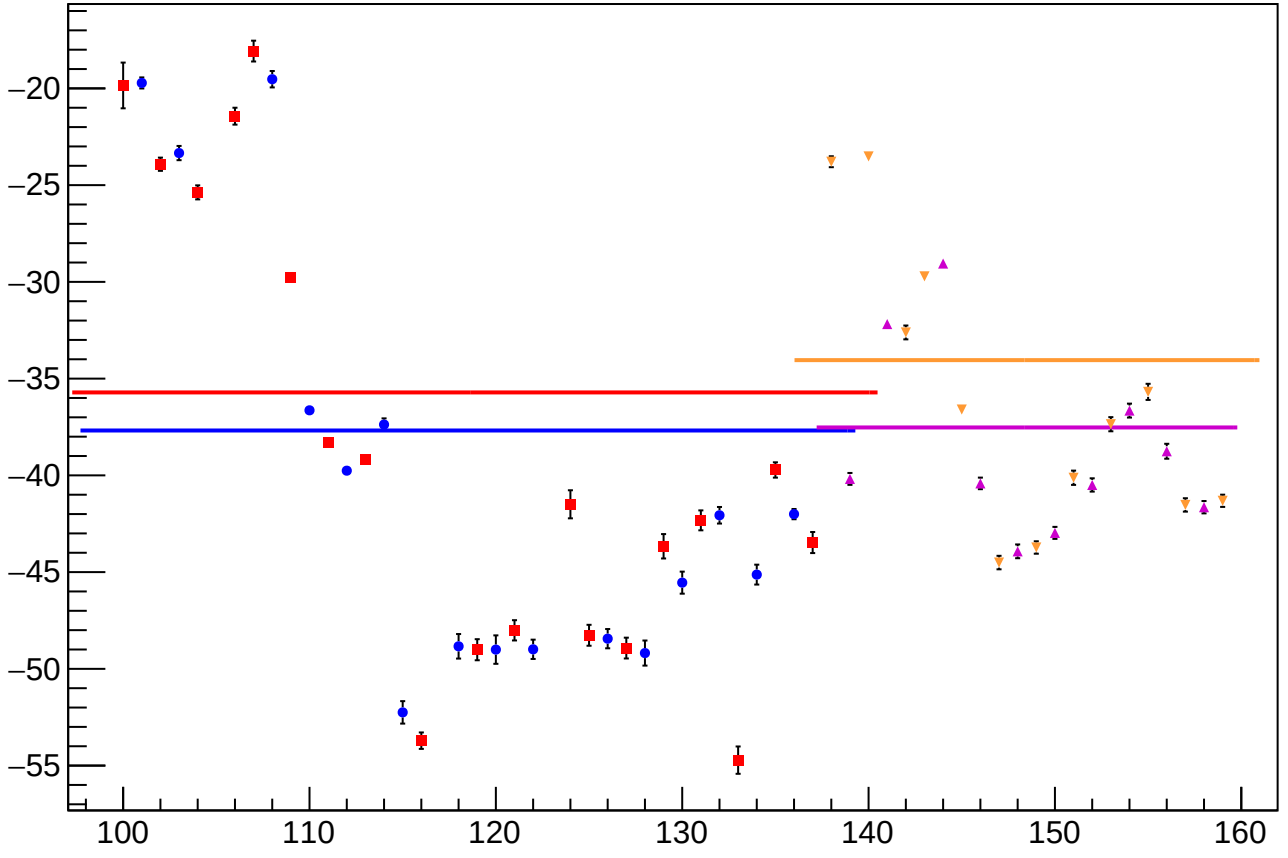
Left In: -40.555+/-0.069 χ^2/NDF:7704.5/9

+ sign -40.227+/-0.048 χ^2/NDF: 15176.2/27

All: -40.022+/-0.034 χ^2/NDF: 33265.4/56

- sign -39.806+/-0.049 χ^2/NDF: 18051.8/28

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

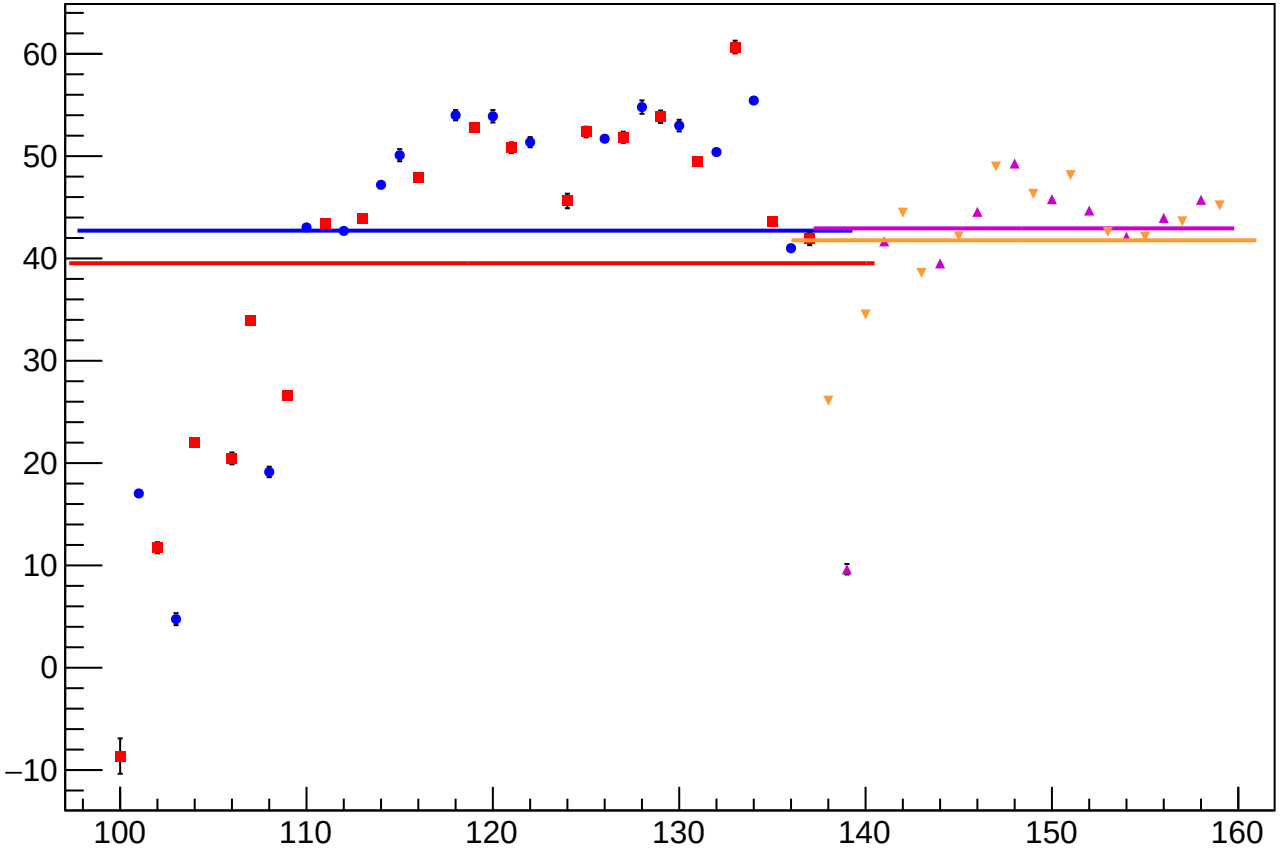
Left In: -37.524+/-0.097 χ^2/NDF:2770.1/9

+ sign -36.170+/-0.056 χ^2/NDF: 19087.0/27

All: -36.221+/-0.039 χ^2/NDF: 35375.4/56

- sign -36.267+/-0.054 χ^2/NDF: 16286.8/28

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

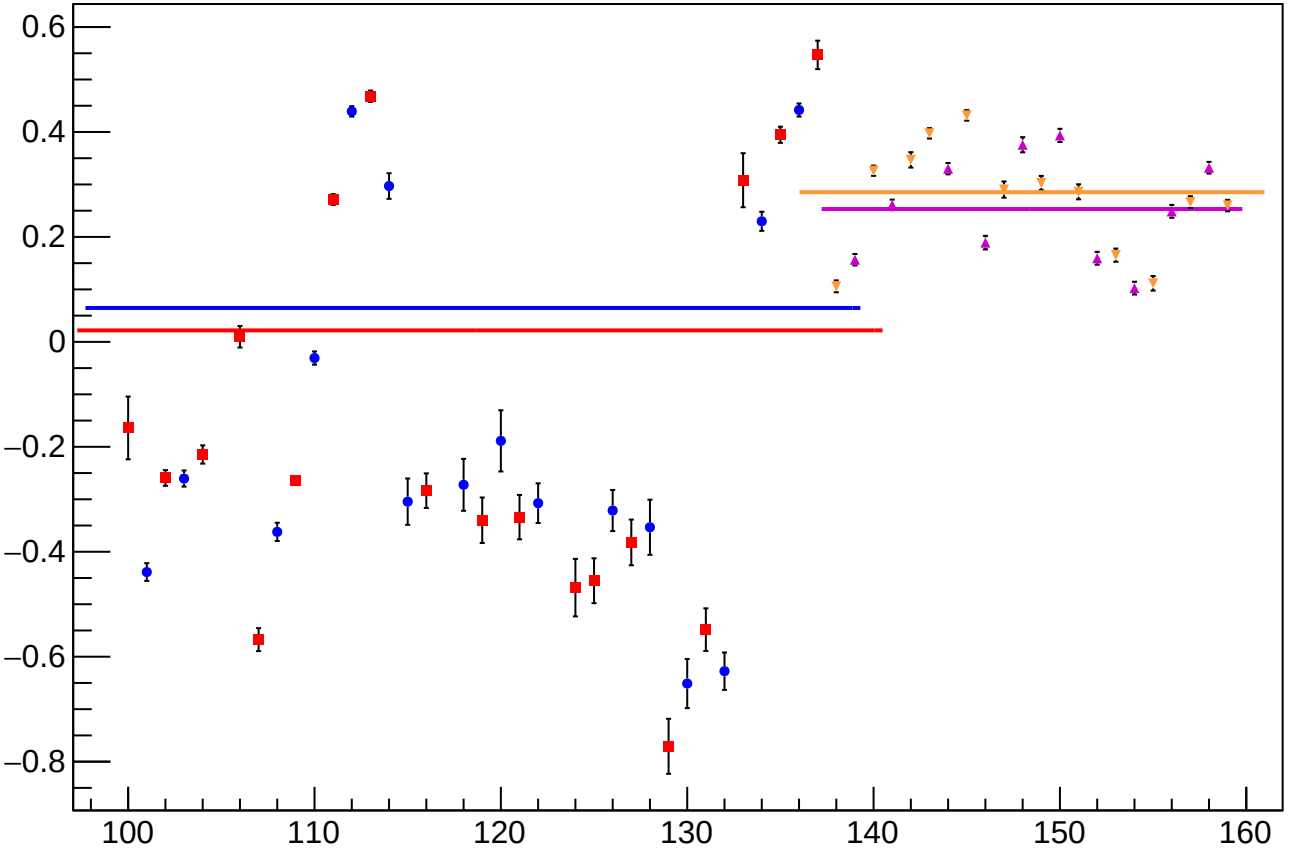
Left In: 42.939+/-0.082 χ^2/NDF:5602.2/9

\+ sign 42.182+/-0.056 χ^2/NDF: 21085.9/27

All: 41.679+/-0.040 χ^2/NDF: 45739.7/56

\- sign 41.163+/-0.056 χ^2/NDF: 24489.0/28

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

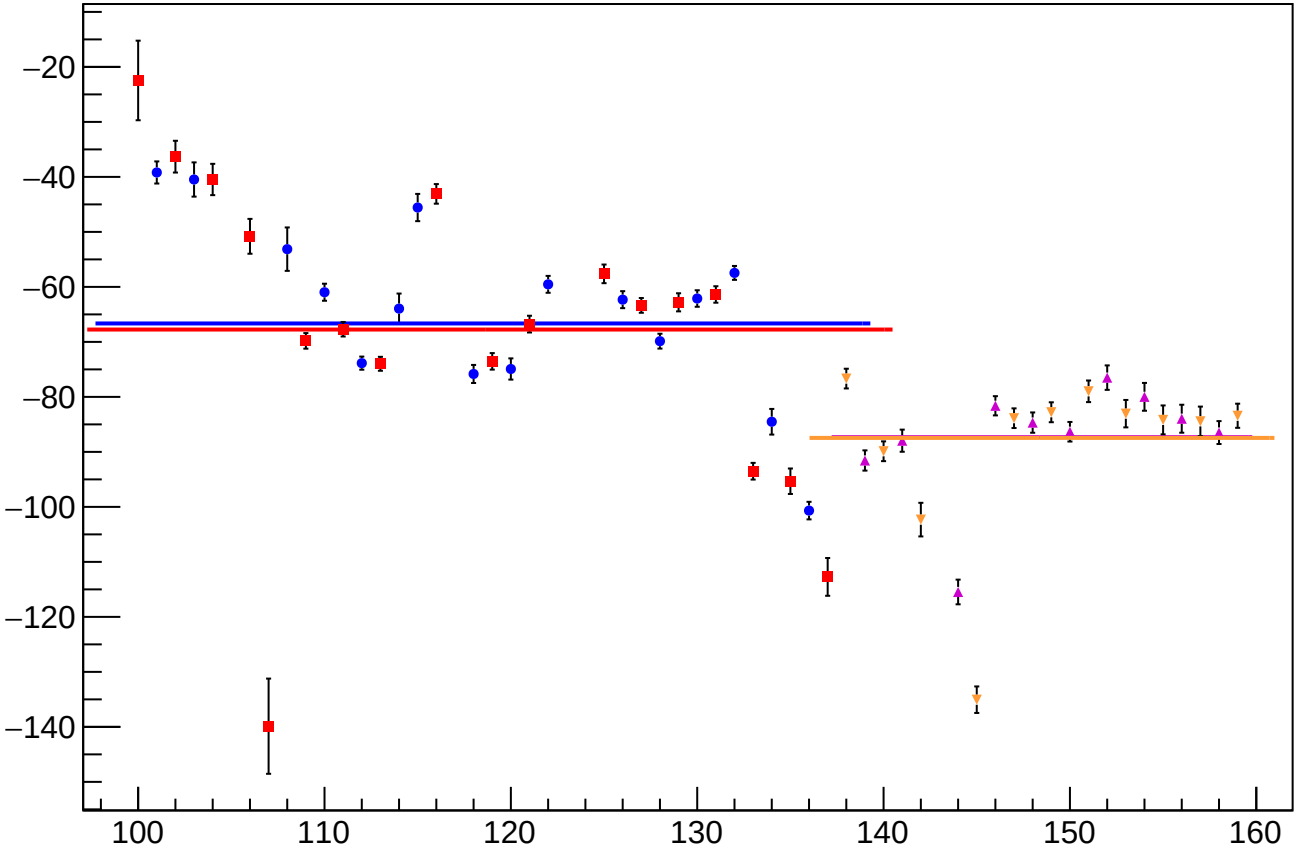
Left In: 0.253+/-0.004 χ^2/NDF:611.2/9

+ sign 0.211+/-0.003 χ^2/NDF: 7758.5/27

All: 0.184+/-0.002 χ^2/NDF: 16582.1/56

- sign 0.156+/-0.003 χ^2/NDF: 8631.0/28

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

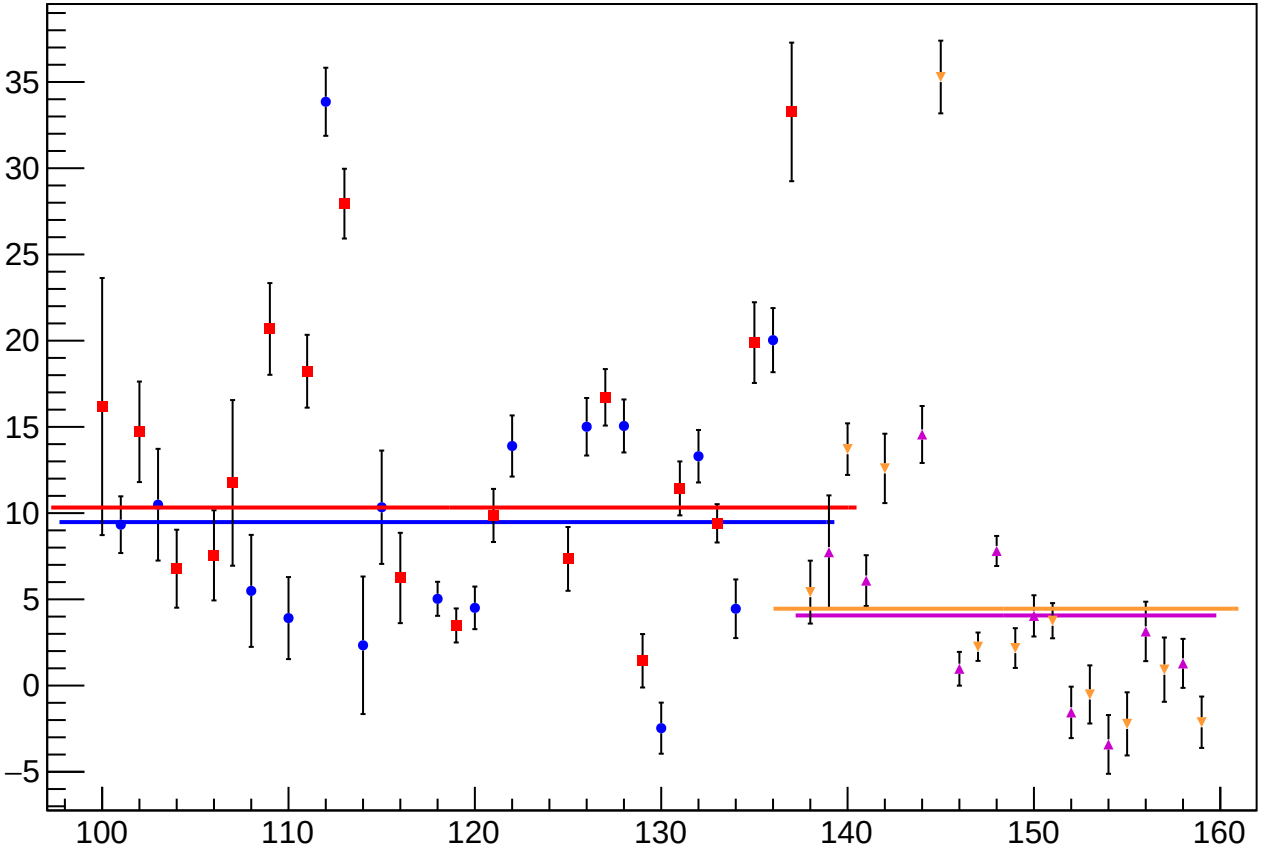
Left In: -87.323+/-0.643 χ^2/NDF:209.9/9

+ sign -73.017+/-0.355 χ^2/NDF: 2272.3/26

All: -73.312+/-0.250 χ^2/NDF: 4389.1/54

- sign -73.600+/-0.351 χ^2/NDF: 2115.4/27

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

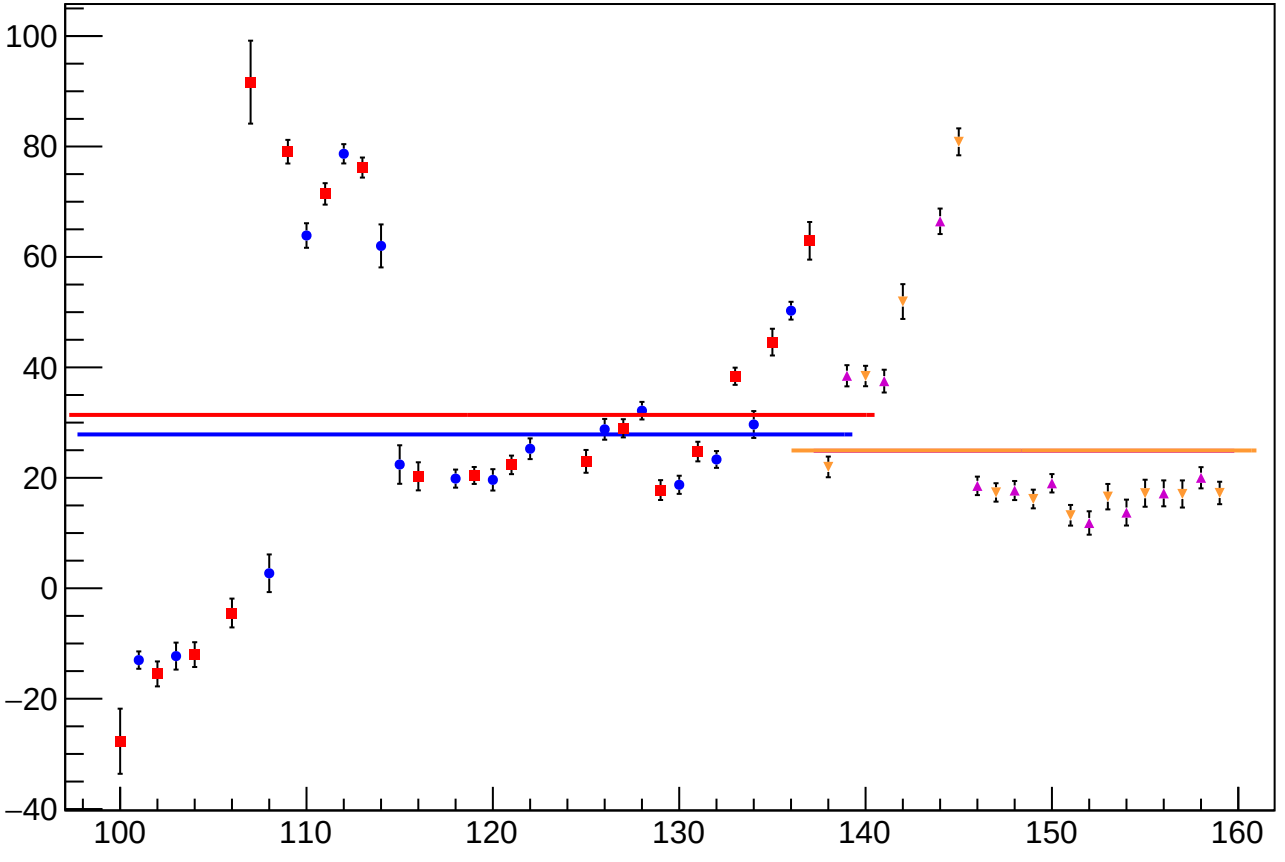
Left In: 4.066+/-0.422 χ^2/NDF:109.5/9

+ sign 6.892+/-0.298 χ^2/NDF: 738.3/26

All: 6.993+/-0.213 χ^2/NDF: 1217.8/54

- sign 7.098+/-0.303 χ^2/NDF: 479.3/27

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

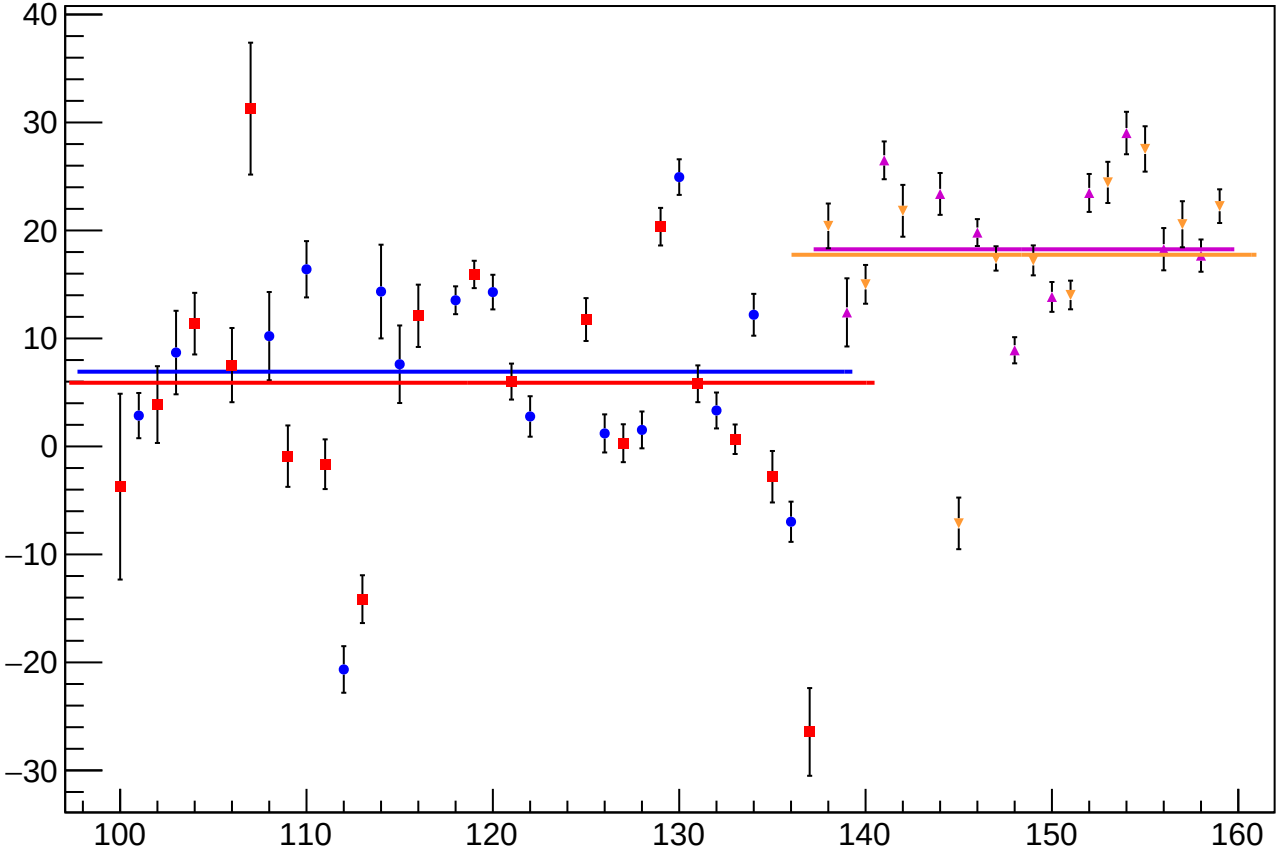
Left In: 24.889+/-0.620 χ^2/NDF:533.7/9

\+ sign 26.763+/-0.381 χ^2/NDF: 3276.2/26

All: 27.828+/-0.270 χ^2/NDF: 6905.1/54

\- sign 28.907+/-0.383 χ^2/NDF: 3613.2/27

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

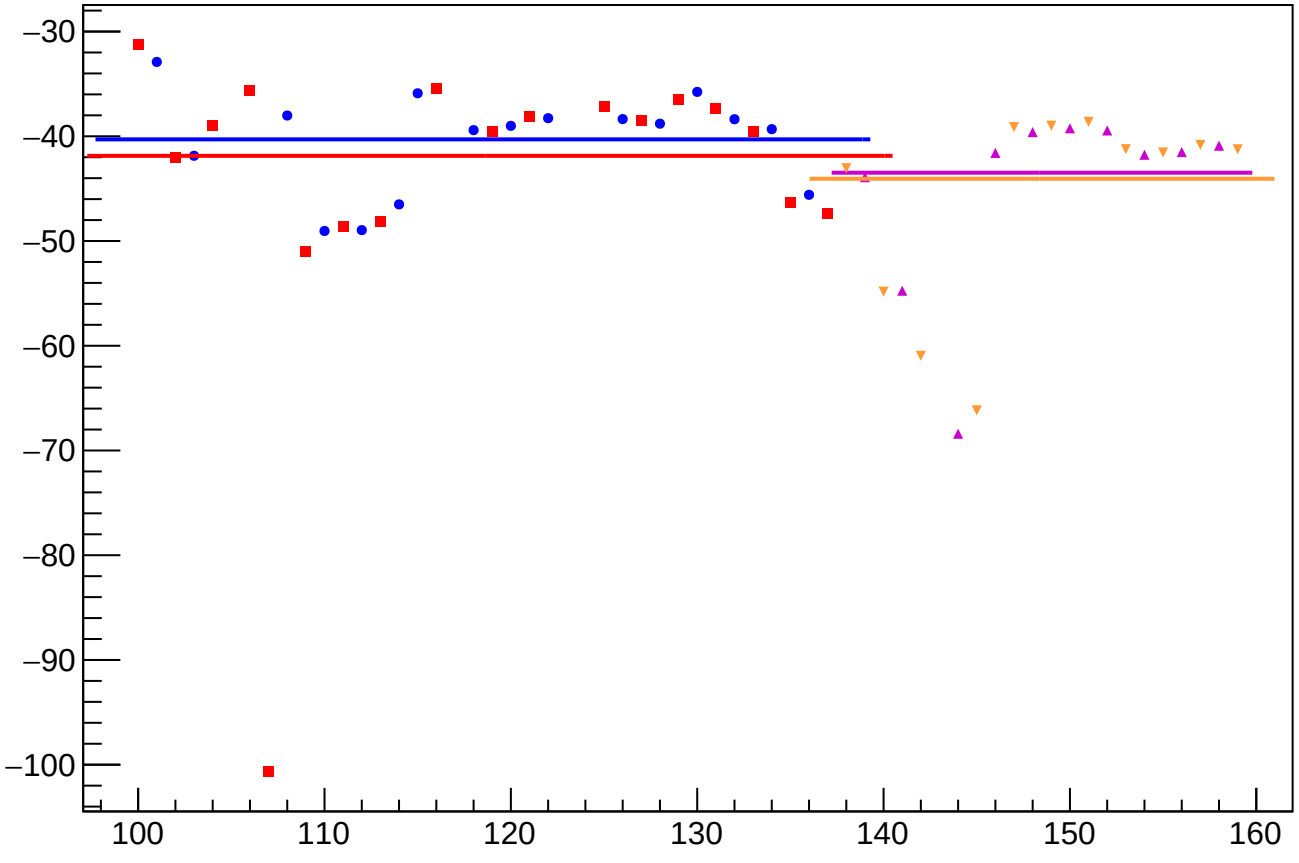
Left In: 18.256+/-0.511 χ^2/NDF:142.8/9

+ sign 12.217+/-0.354 χ^2/NDF: 845.3/26

All: 12.092+/-0.252 χ^2/NDF: 1653.9/54

- sign 11.965+/-0.358 χ^2/NDF: 808.4/27

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

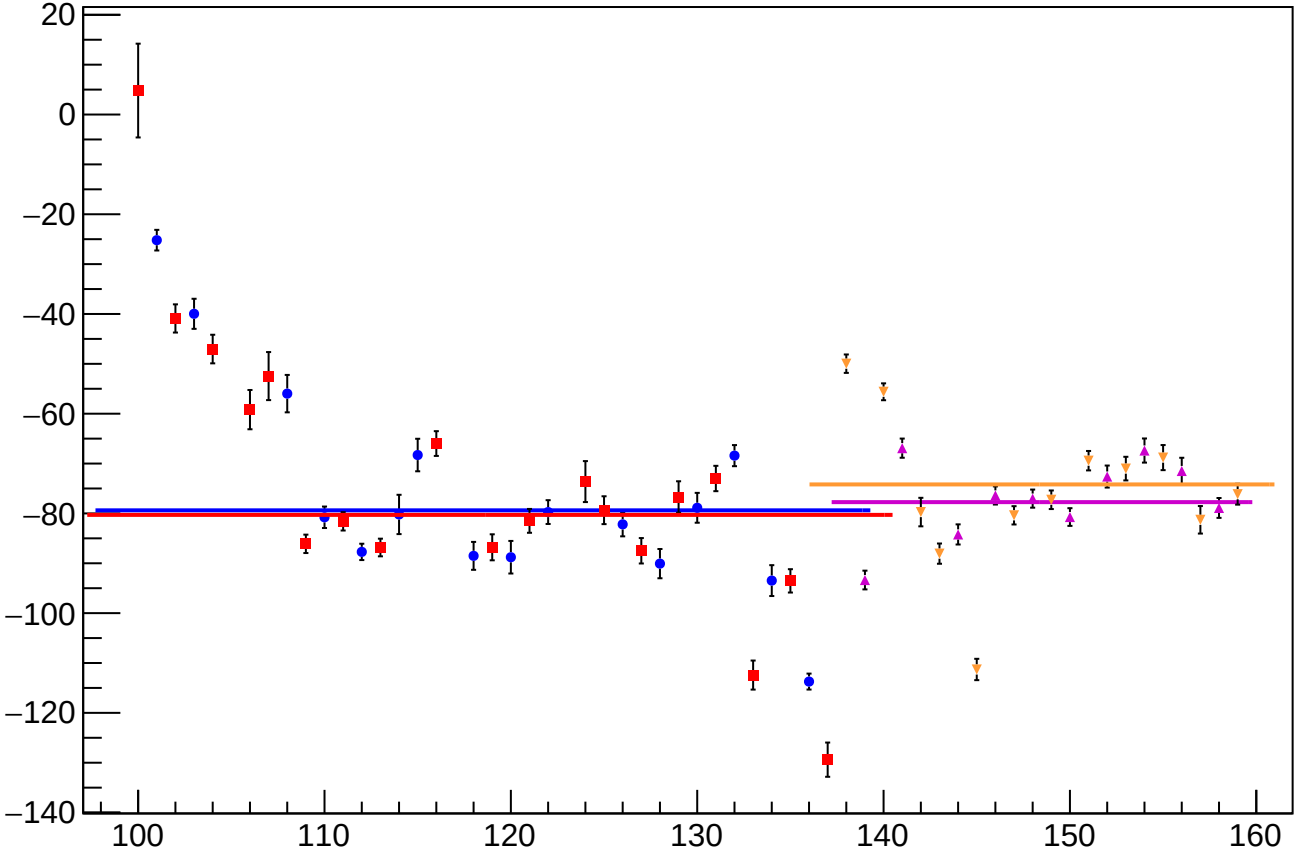
Left In: -43.477+/-0.024 χ^2/NDF:88678.3/9

+ sign -42.663+/-0.019 χ^2/NDF: 137250.7/26

All: -42.789+/-0.013 χ^2/NDF: 286383.8/54

- sign -42.913+/-0.019 χ^2/NDF: 149047.3/27

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

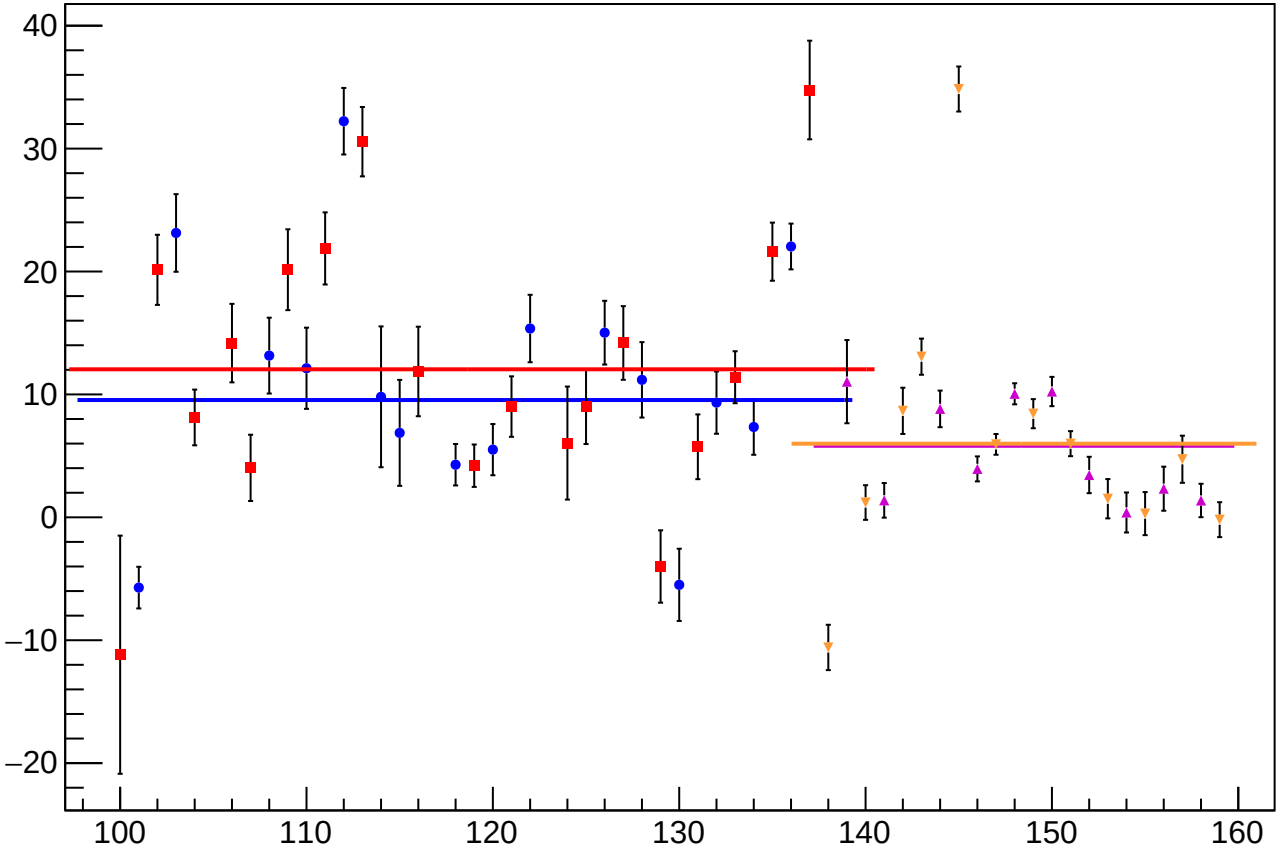
Left In: -77.736+/-0.634 χ^2/NDF:144.2/9

+ sign -76.740+/-0.428 χ^2/NDF: 2190.5/27

All: -77.884+/-0.306 χ^2/NDF: 3272.5/56

- sign -79.076+/-0.437 χ^2/NDF: 1067.4/28

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

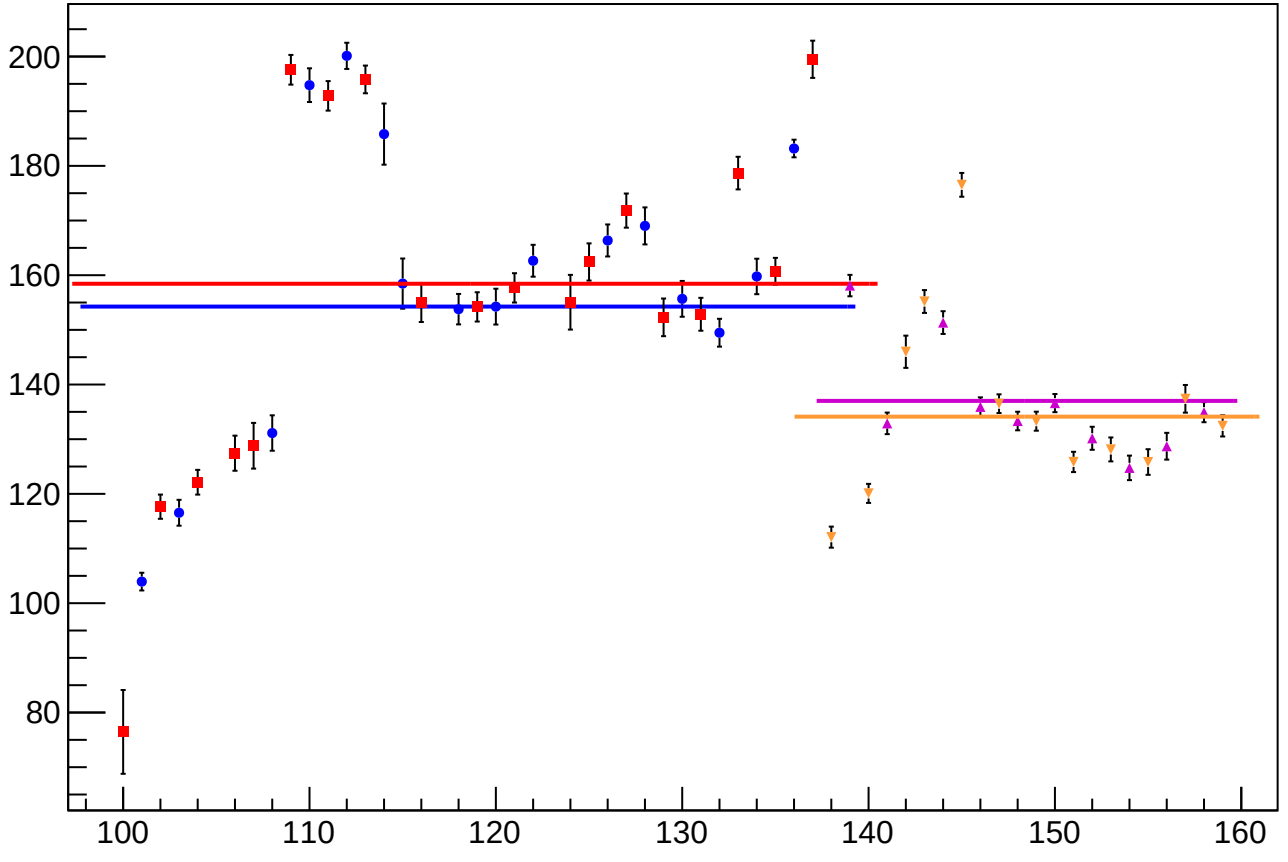
Left In: 5.820+/-0.416 χ^2/NDF:86.2/9

+ sign 7.014+/-0.333 χ^2/NDF: 698.0/27

All: 7.334+/-0.241 χ^2/NDF: 1048.8/56

- sign 7.684+/-0.349 χ^2/NDF: 348.9/28

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

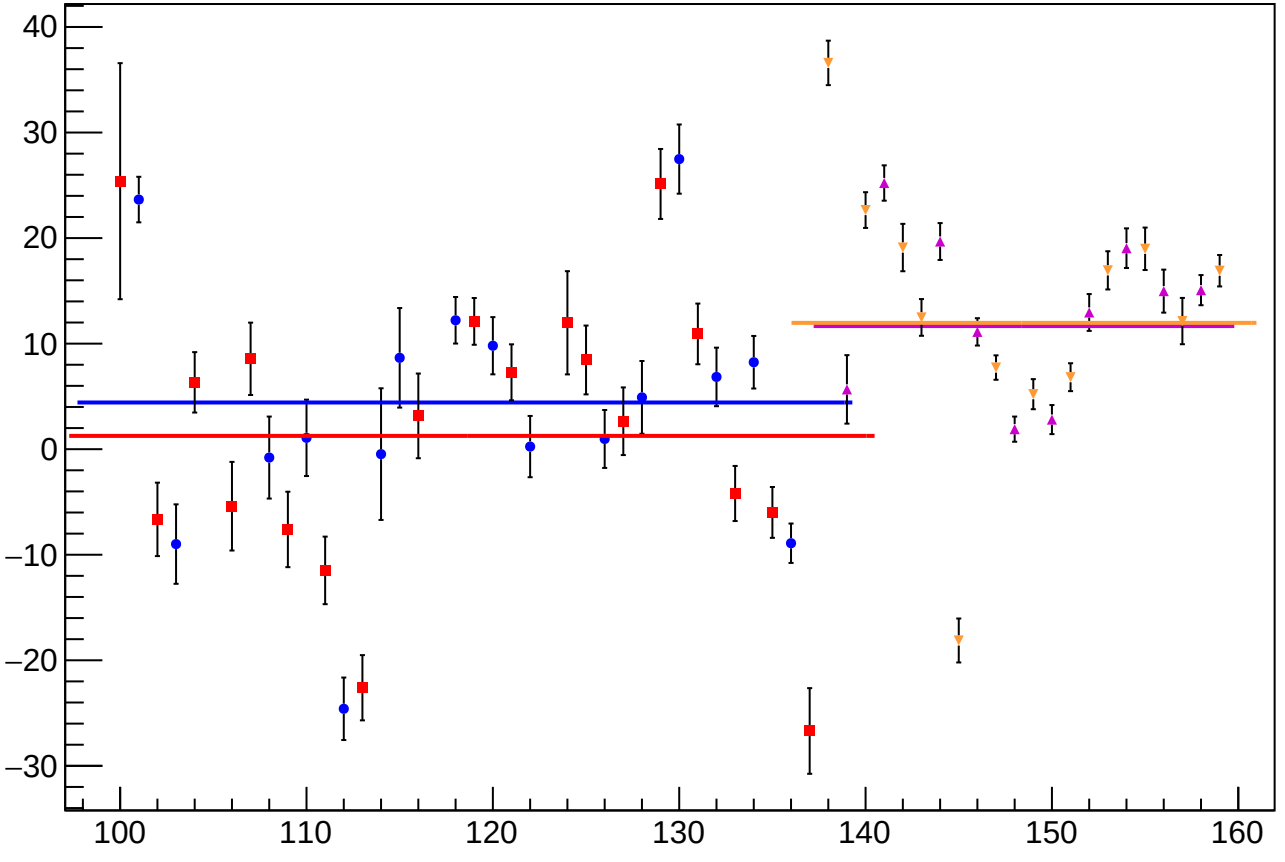
Left In: 137.006+/-0.611 χ^2/NDF:226.0/9

+ sign 142.944+/-0.438 χ^2/NDF: 3471.9/27

All: 144.673+/-0.316 χ^2/NDF: 5941.5/56

- sign 146.543+/-0.455 χ^2/NDF: 2437.1/28

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

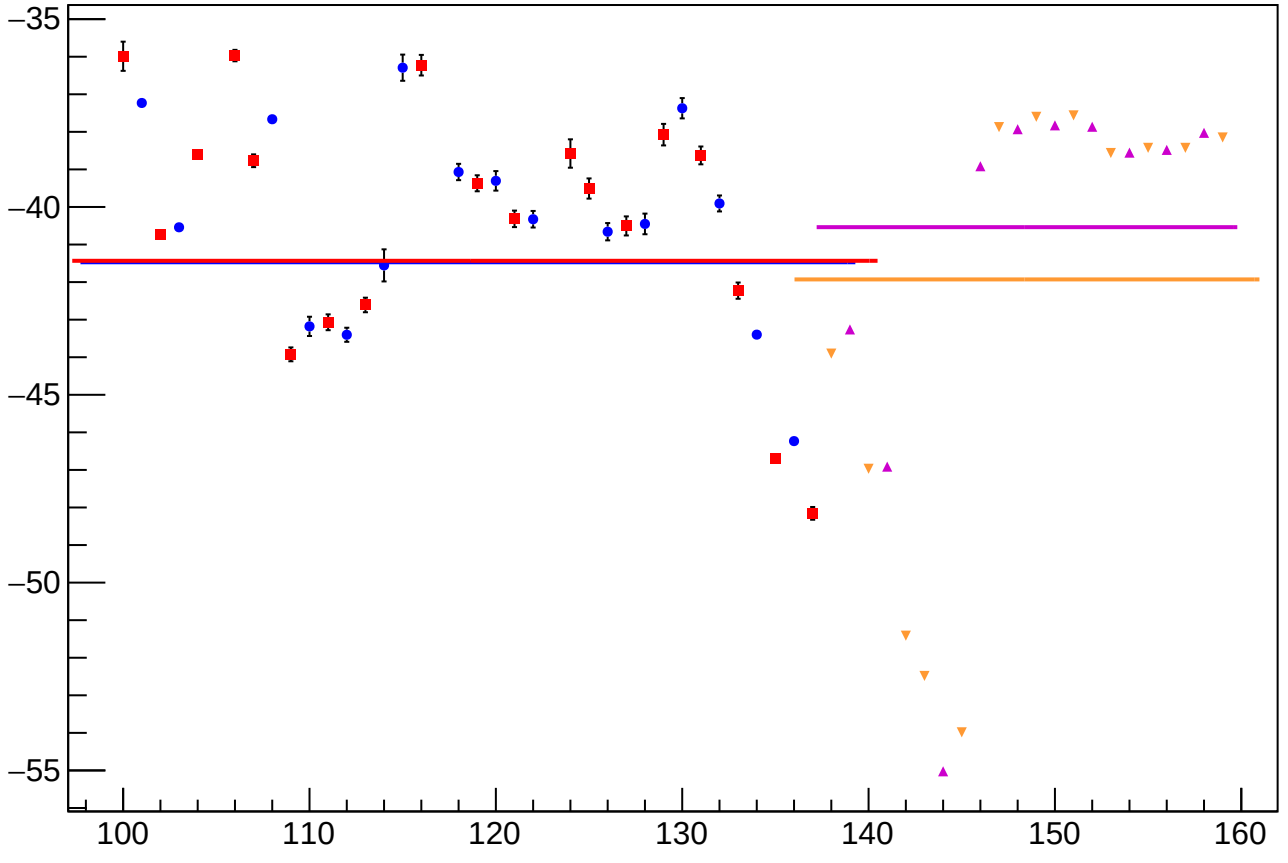
Left In: 11.664+/-0.503 χ^2/NDF:223.0/9

+ sign 9.627+/-0.398 χ^2/NDF: 870.5/27

All: 9.002+/-0.287 χ^2/NDF: 1500.8/56

- sign 8.323+/-0.415 χ^2/NDF: 625.2/28

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

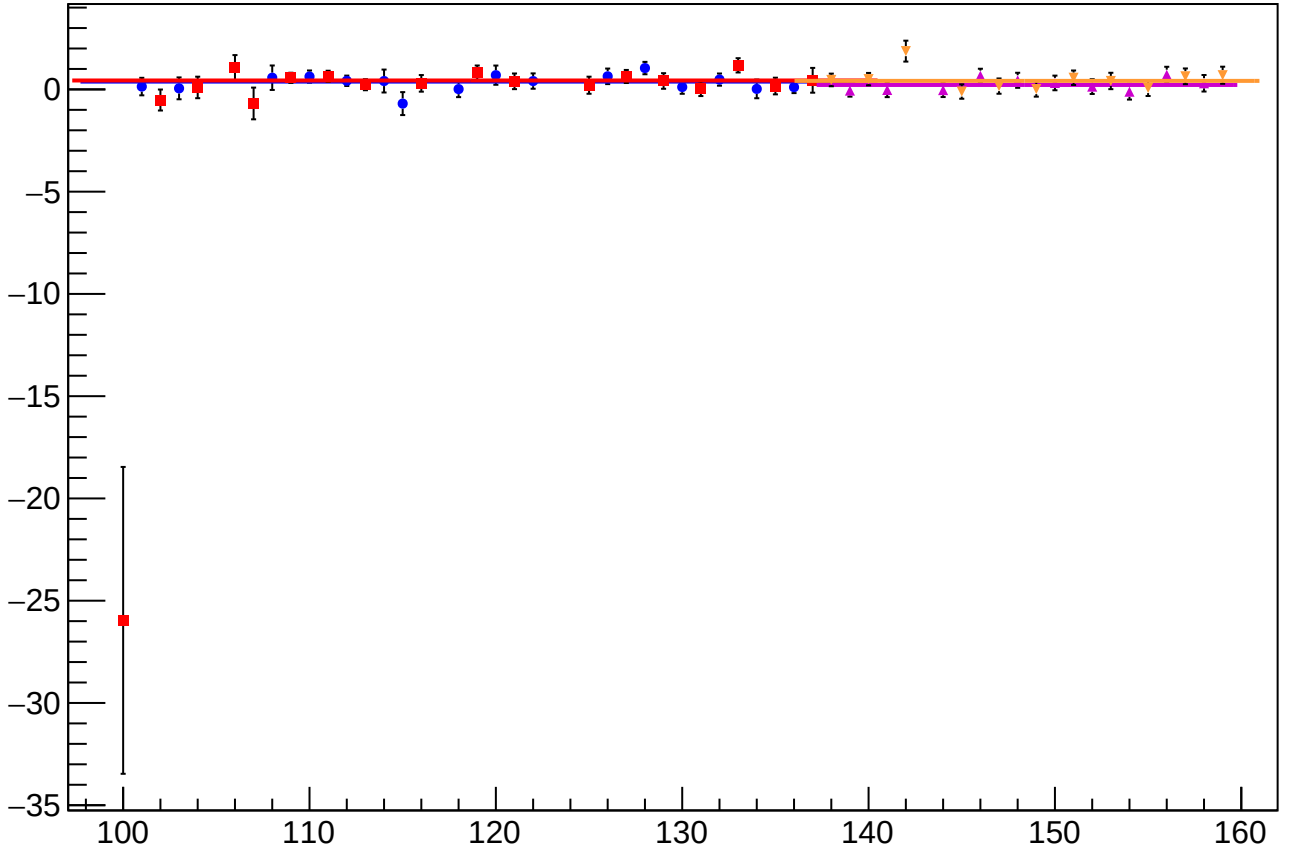
Left In: -40.537+/-0.023 χ^2/NDF:39625.5/9

+ sign -41.808+/-0.020 χ^2/NDF: 72286.7/27

All: -41.302+/-0.014 χ^2/NDF: 121894.4/56

- sign -40.769+/-0.020 χ^2/NDF: 48231.8/28

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

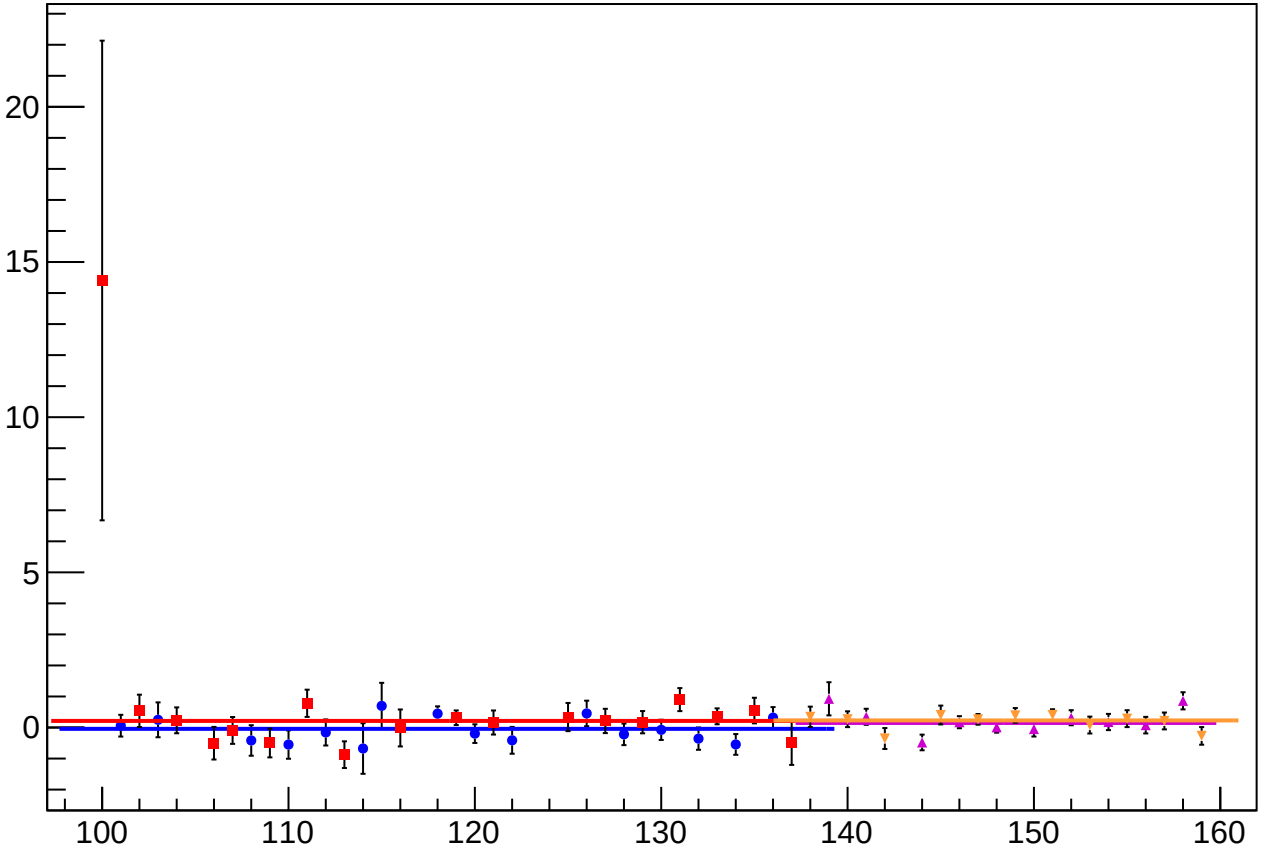
Left In: 0.217+/-0.113 χ^2/NDF:6.5/9

+ sign 0.396+/-0.071 χ^2/NDF: 27.8/26

All: 0.373+/-0.050 χ^2/NDF: 65.9/54

- sign 0.351+/-0.070 χ^2/NDF: 37.8/27

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

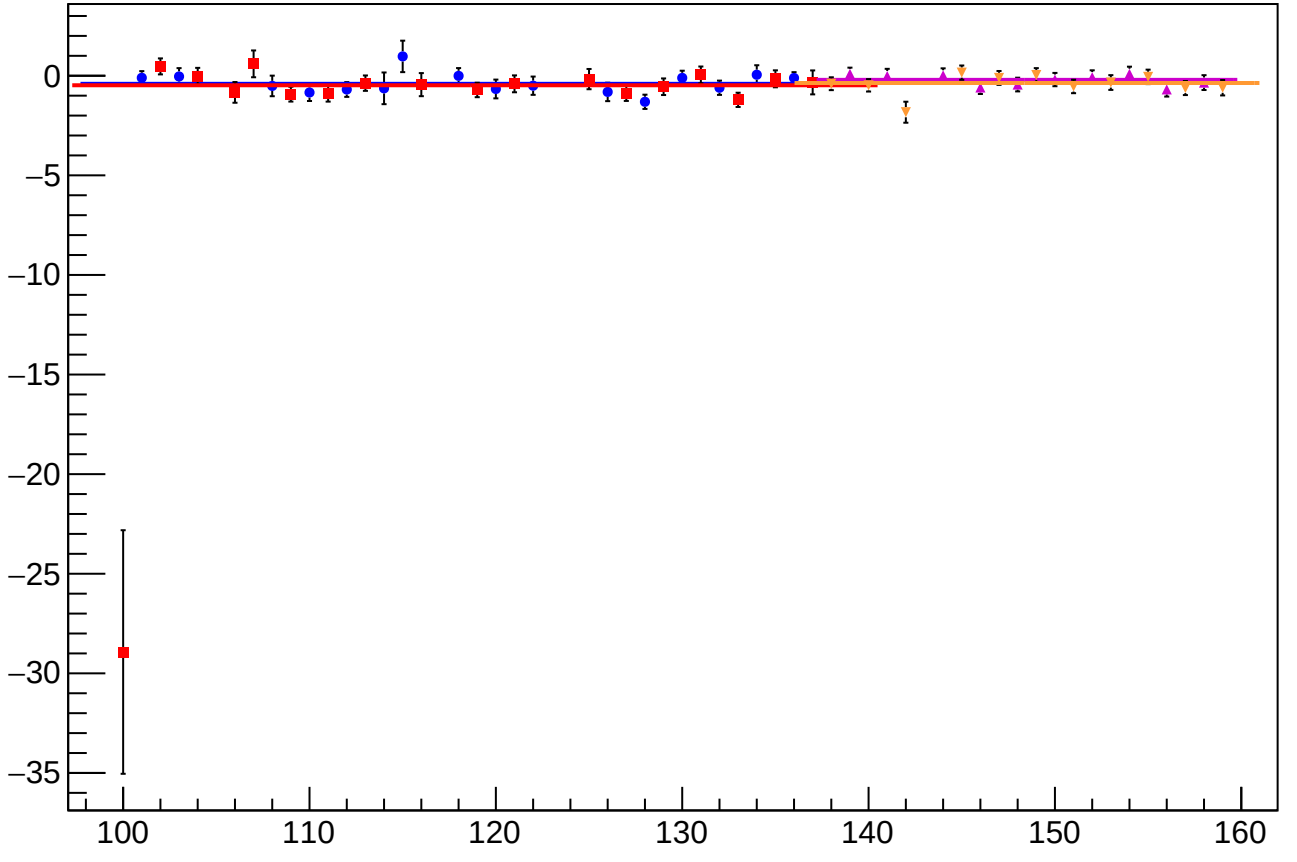
Left In: 0.148+/-0.077 χ^2/NDF:17.5/9

+ sign 0.123+/-0.059 χ^2/NDF: 28.4/26

All: 0.148+/-0.042 χ^2/NDF: 68.9/54

- sign 0.174+/-0.060 χ^2/NDF: 40.2/27

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

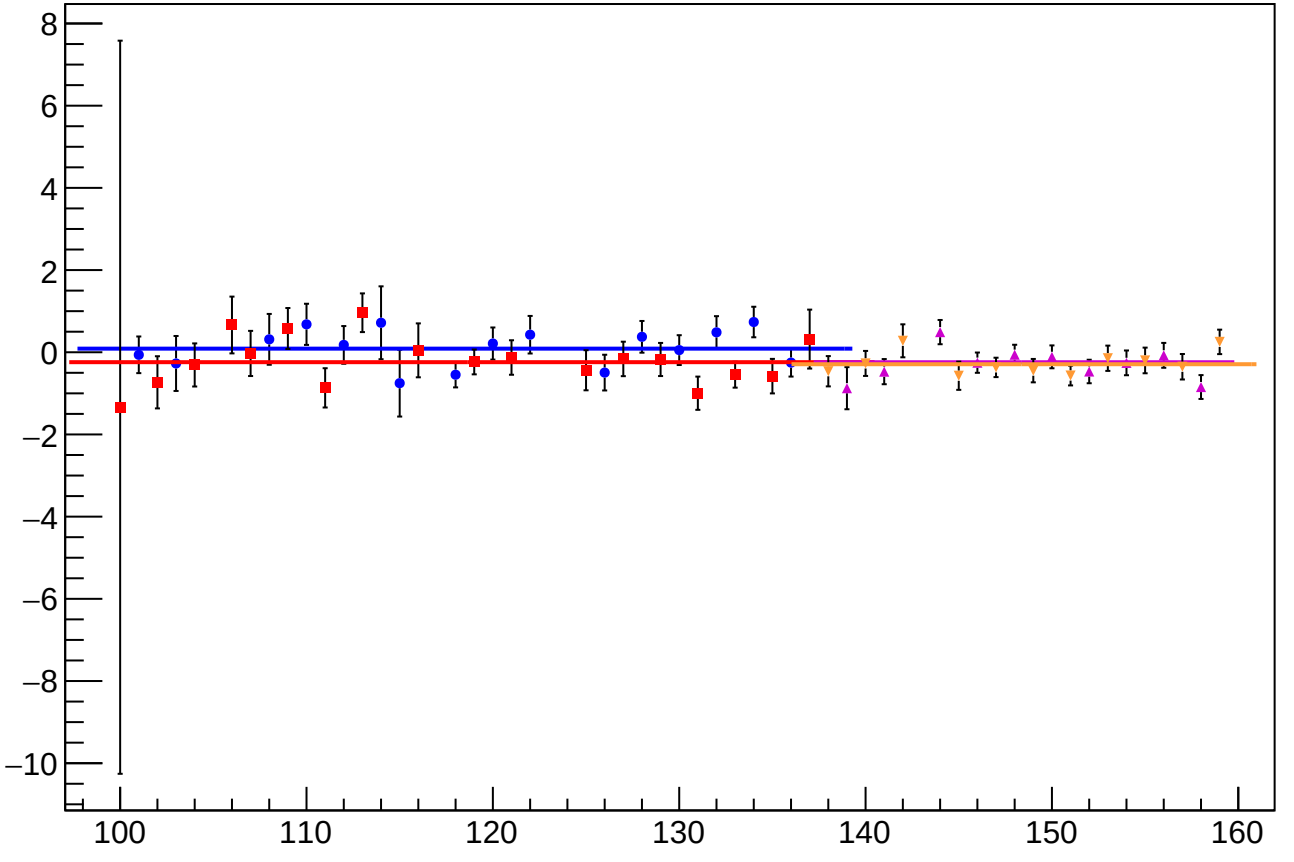
Left In: -0.207+/-0.109 χ^2/NDF:6.3/9

+ sign -0.386+/-0.075 χ^2/NDF: 31.6/26

All: -0.367+/-0.053 χ^2/NDF: 83.5/54

- sign -0.348+/-0.075 χ^2/NDF: 51.8/27

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

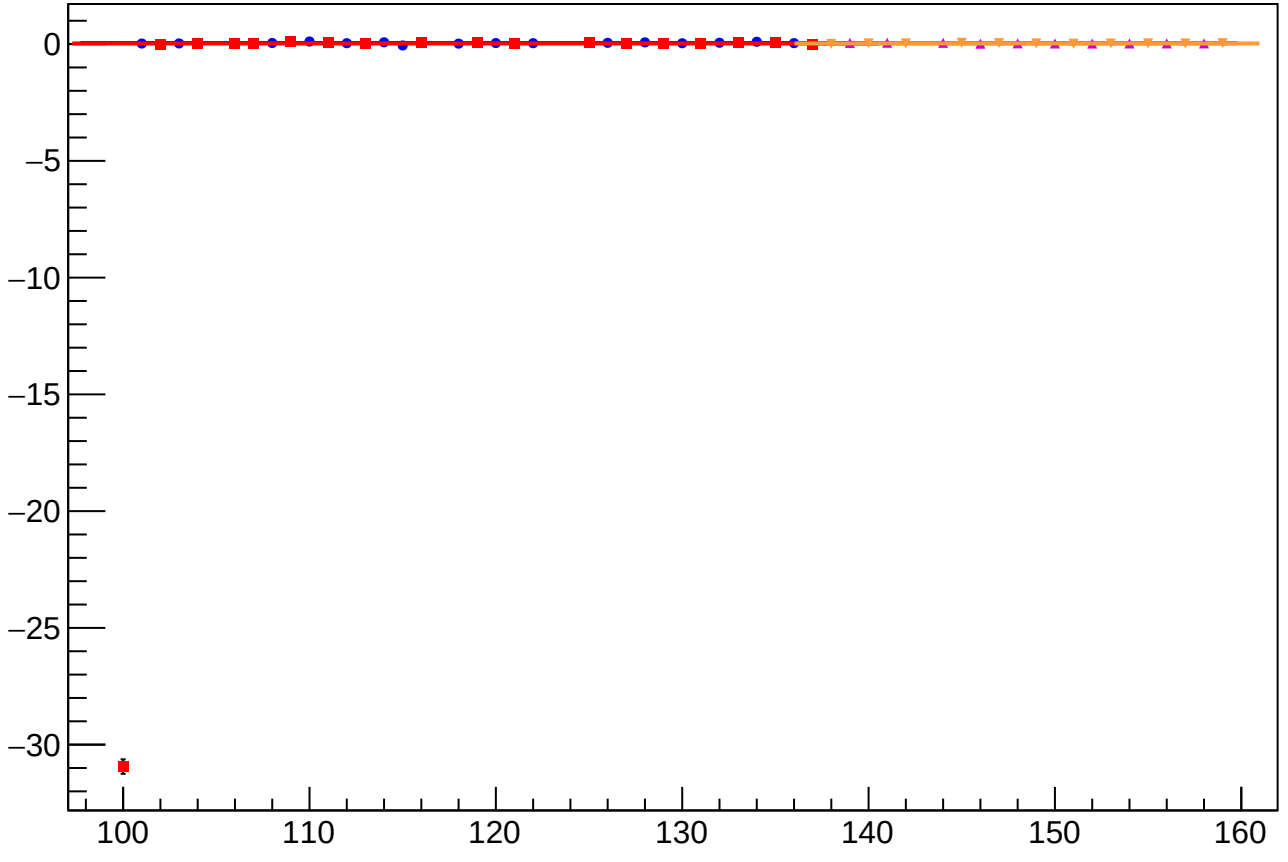
Left In: -0.243+/-0.092 χ^2/NDF:14.3/9

+ sign -0.136+/-0.069 χ^2/NDF: 31.4/26

All: -0.188+/-0.049 χ^2/NDF: 66.5/54

- sign -0.242+/-0.070 χ^2/NDF: 33.9/27

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

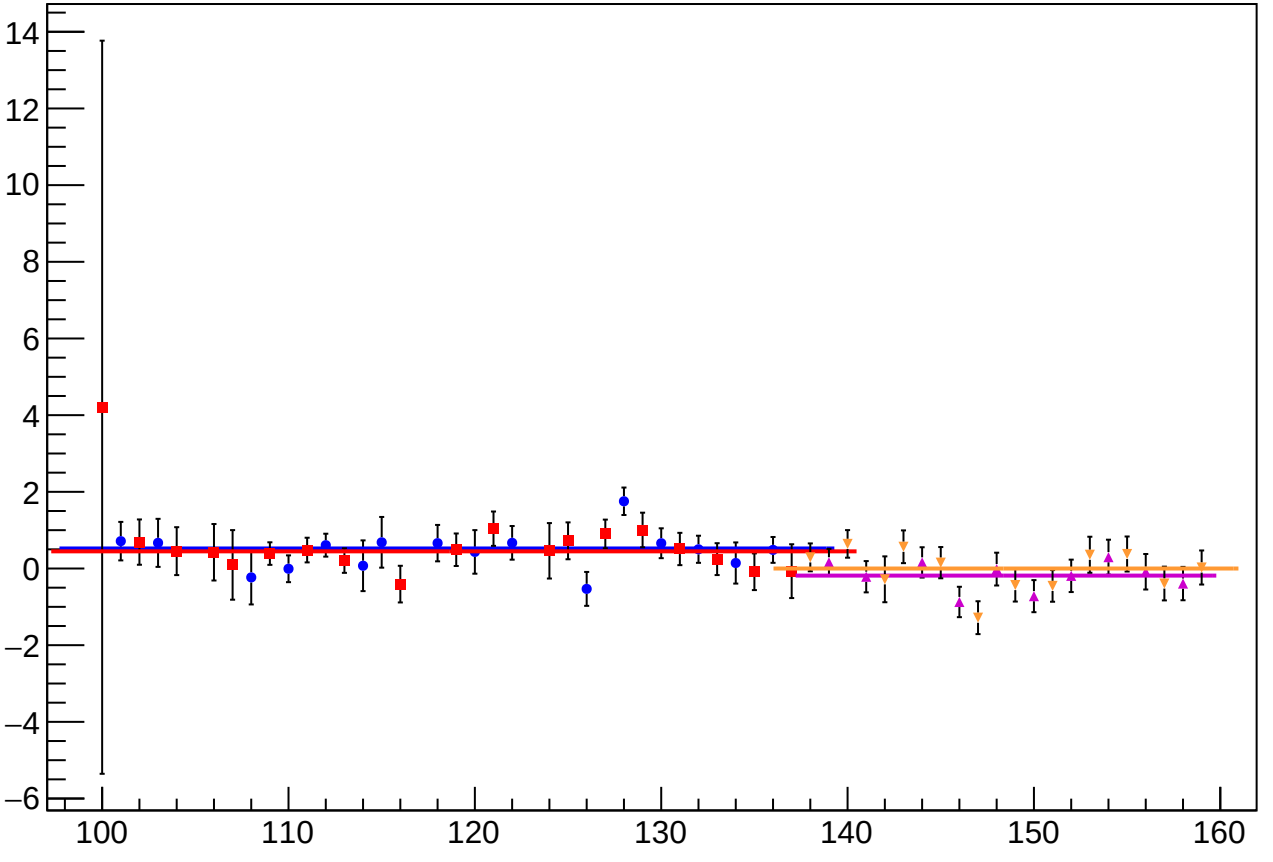
Left In: 0.037+/-0.004 χ^2/NDF:9.9/9

+ sign 0.034+/-0.003 χ^2/NDF: 34.8/26

All: 0.034+/-0.002 χ^2/NDF: 10066.9/54

- sign 0.034+/-0.003 χ^2/NDF: 10032.1/27

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

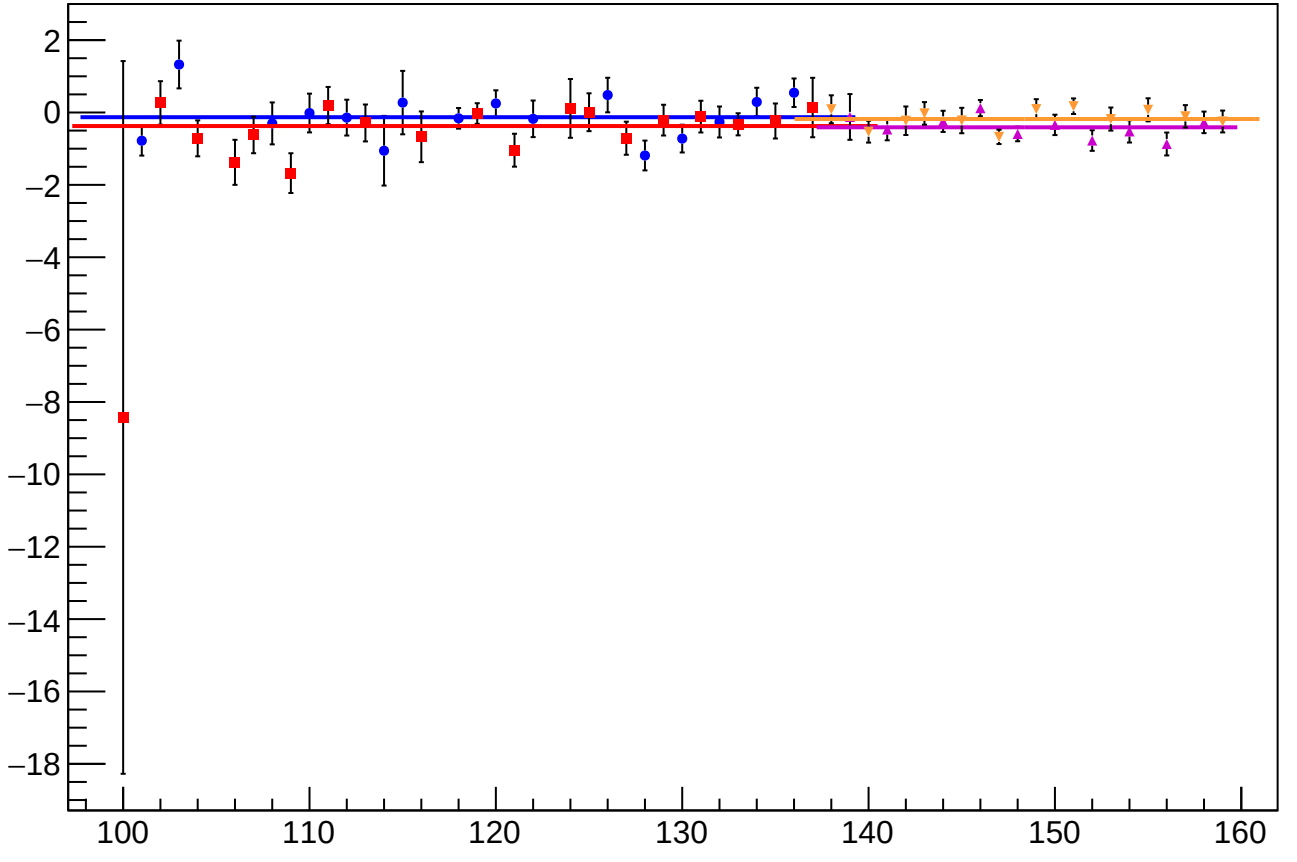
Left In: -0.185+/-0.131 χ^2/NDF:8.0/9

+ sign 0.294+/-0.081 χ^2/NDF: 51.9/27

All: 0.247+/-0.058 χ^2/NDF: 86.2/56

- sign 0.199+/-0.082 χ^2/NDF: 33.6/28

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

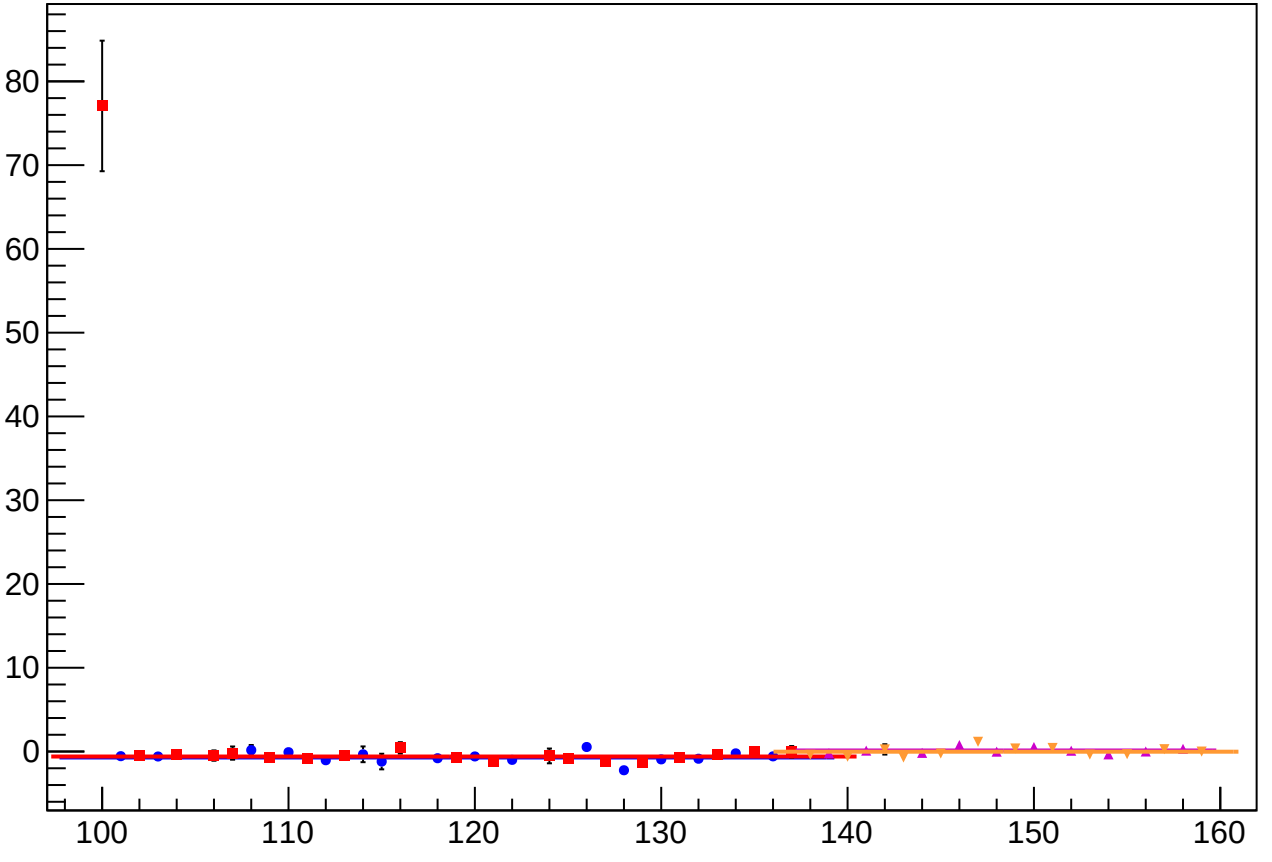
Left In: -0.409+/-0.089 χ^2/NDF:11.1/9

+ sign -0.162+/-0.067 χ^2/NDF: 37.5/27

All: -0.274+/-0.048 χ^2/NDF: 72.7/56

- sign -0.396+/-0.070 χ^2/NDF: 29.4/28

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

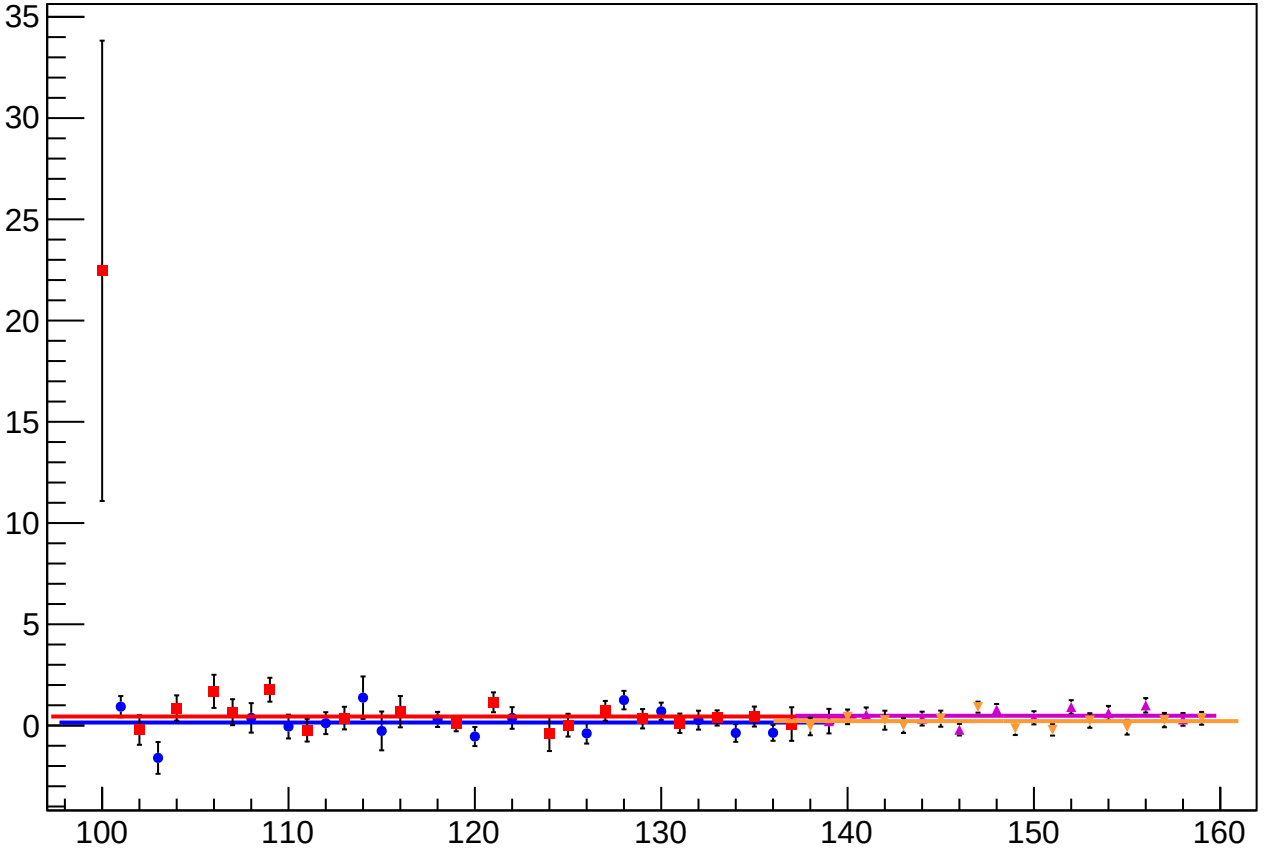
Left In: 0.123+/-0.127 χ^2/NDF:6.9/9

+ sign -0.363+/-0.085 χ^2/NDF: 60.4/27

All: -0.309+/-0.061 χ^2/NDF: 195.9/56

- sign -0.251+/-0.088 χ^2/NDF: 134.7/28

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

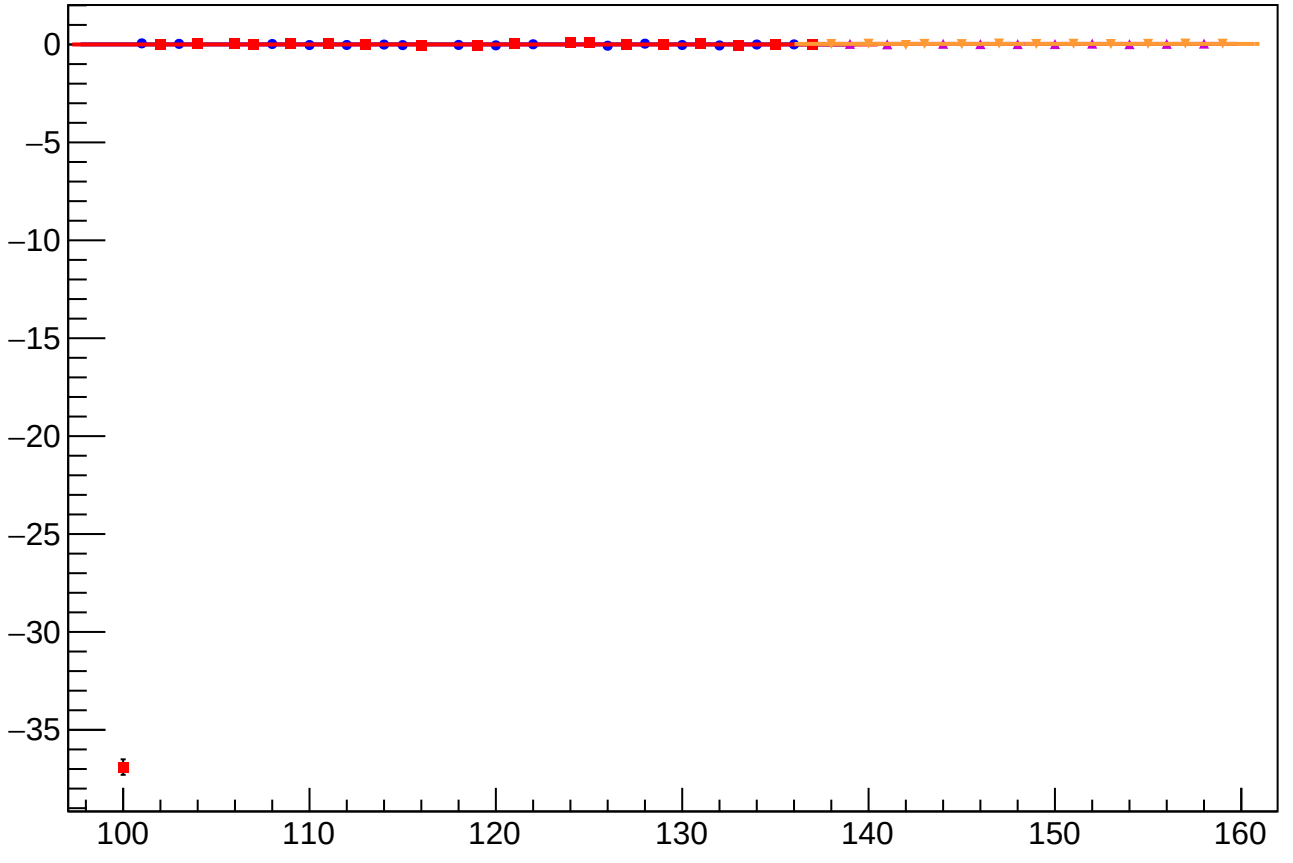
Left In: 0.482+/-0.106 χ^2/NDF:11.6/9

+ sign 0.191+/-0.079 χ^2/NDF: 35.6/27

All: 0.324+/-0.057 χ^2/NDF: 72.9/56

- sign 0.467+/-0.082 χ^2/NDF: 31.4/28

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

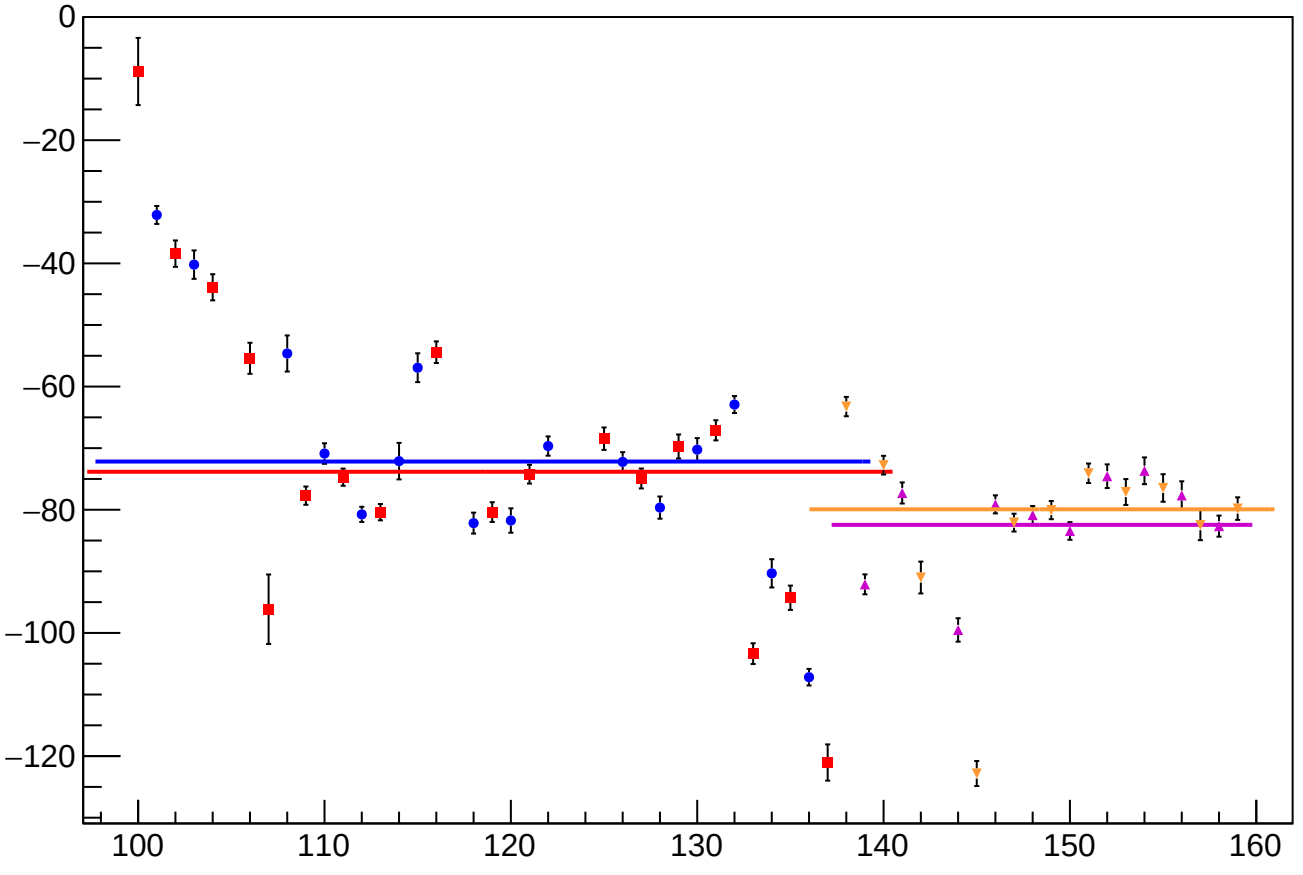
Left In: 0.031+/-0.005 χ^2/NDF:5.0/9

\+ sign 0.024+/-0.004 χ^2/NDF: 34.8/27

All: 0.023+/-0.003 χ^2/NDF: 8803.7/56

\- sign 0.023+/-0.004 χ^2/NDF: 8768.9/28

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

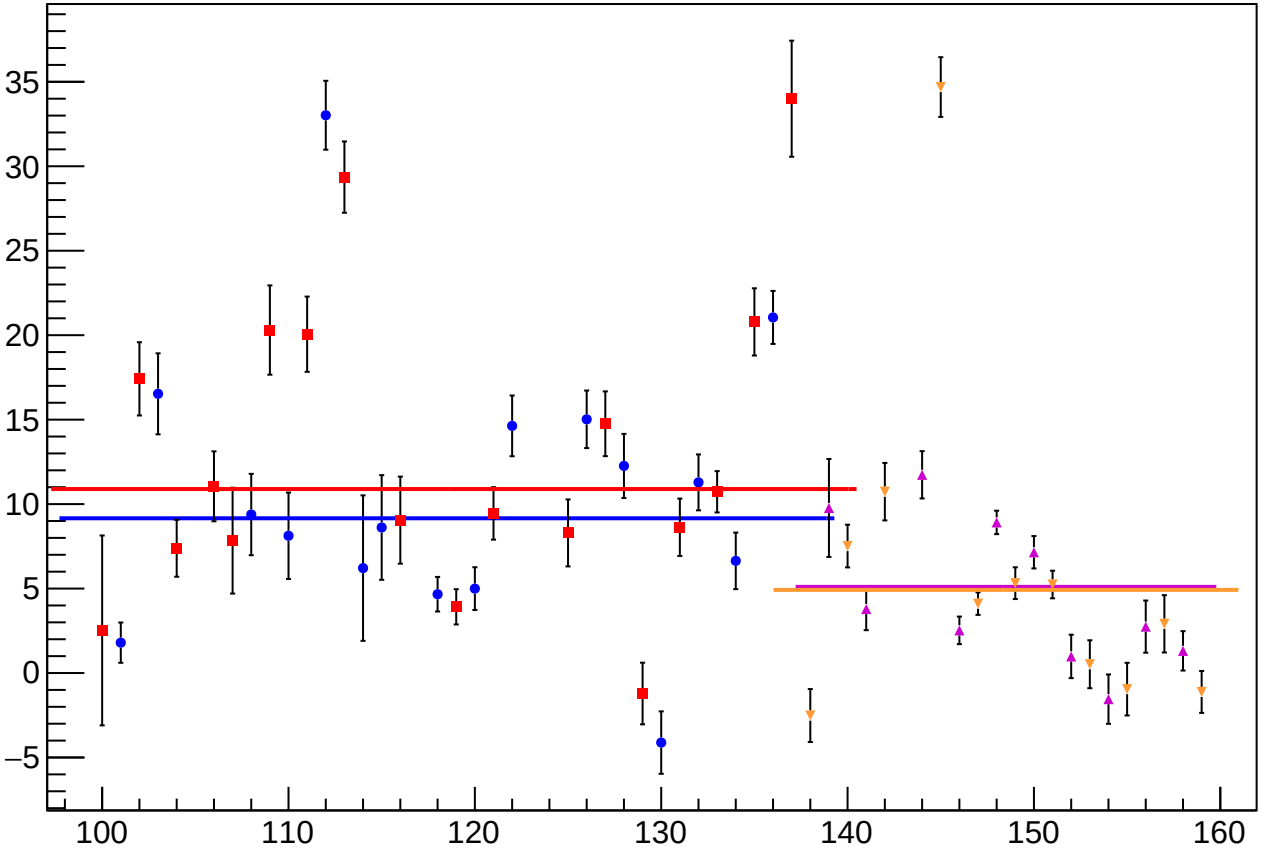
Left In: -82.451+/-0.540 χ^2/NDF:169.7/9

+ sign -75.213+/-0.337 χ^2/NDF: 2682.5/26

All: -76.199+/-0.238 χ^2/NDF: 4582.9/54

- sign -77.183+/-0.337 χ^2/NDF: 1883.3/27

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

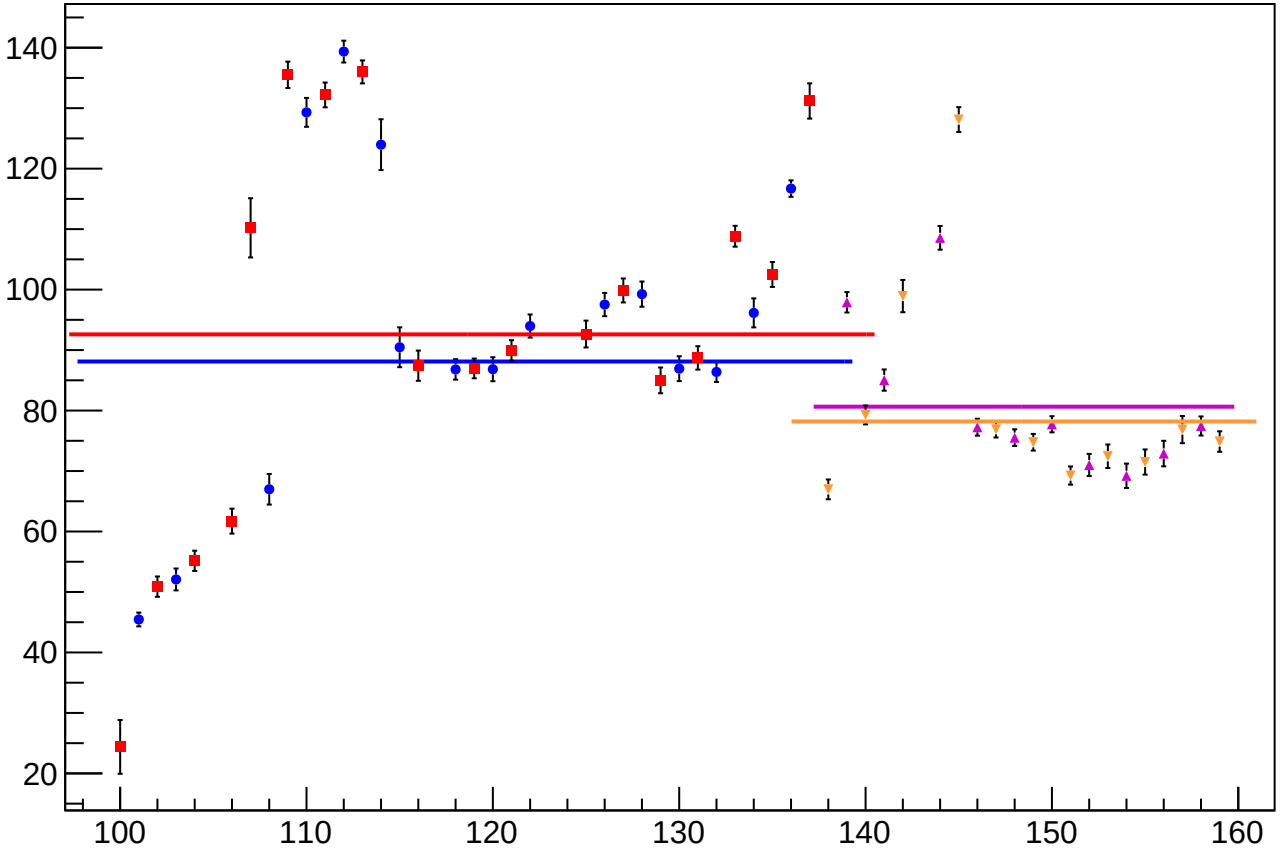
Left In: 5.100+/-0.350 χ^2/NDF:114.7/9

\+ sign 6.594+/-0.267 χ^2/NDF: 785.1/26

All: 6.959+/-0.191 χ^2/NDF: 1299.9/54

\- sign 7.344+/-0.274 χ^2/NDF: 511.0/27

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

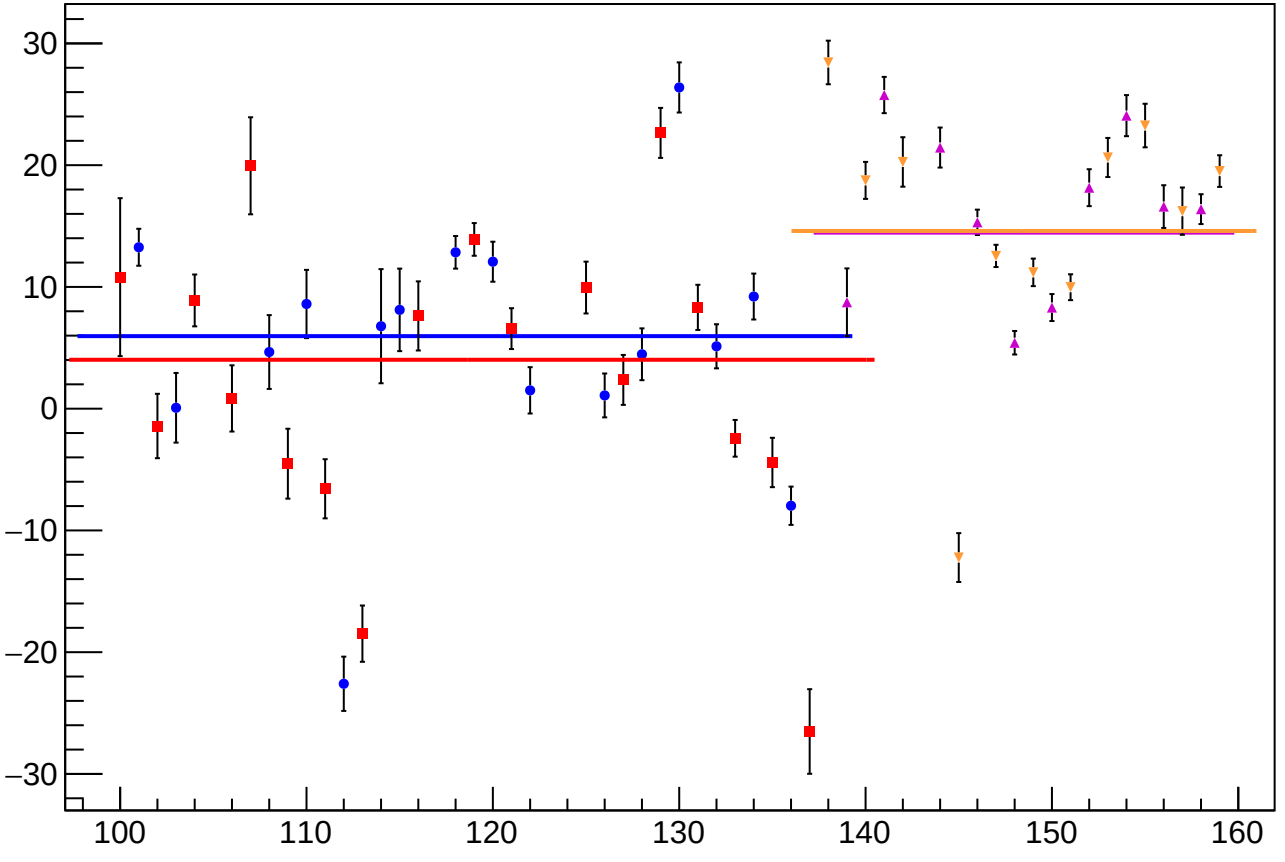
Left In: 80.639+/-0.520 χ^2/NDF:416.0/9

+ sign 83.654+/-0.348 χ^2/NDF: 4524.6/26

All: 85.324+/-0.248 χ^2/NDF: 8482.5/54

- sign 87.052+/-0.354 χ^2/NDF: 3911.0/27

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

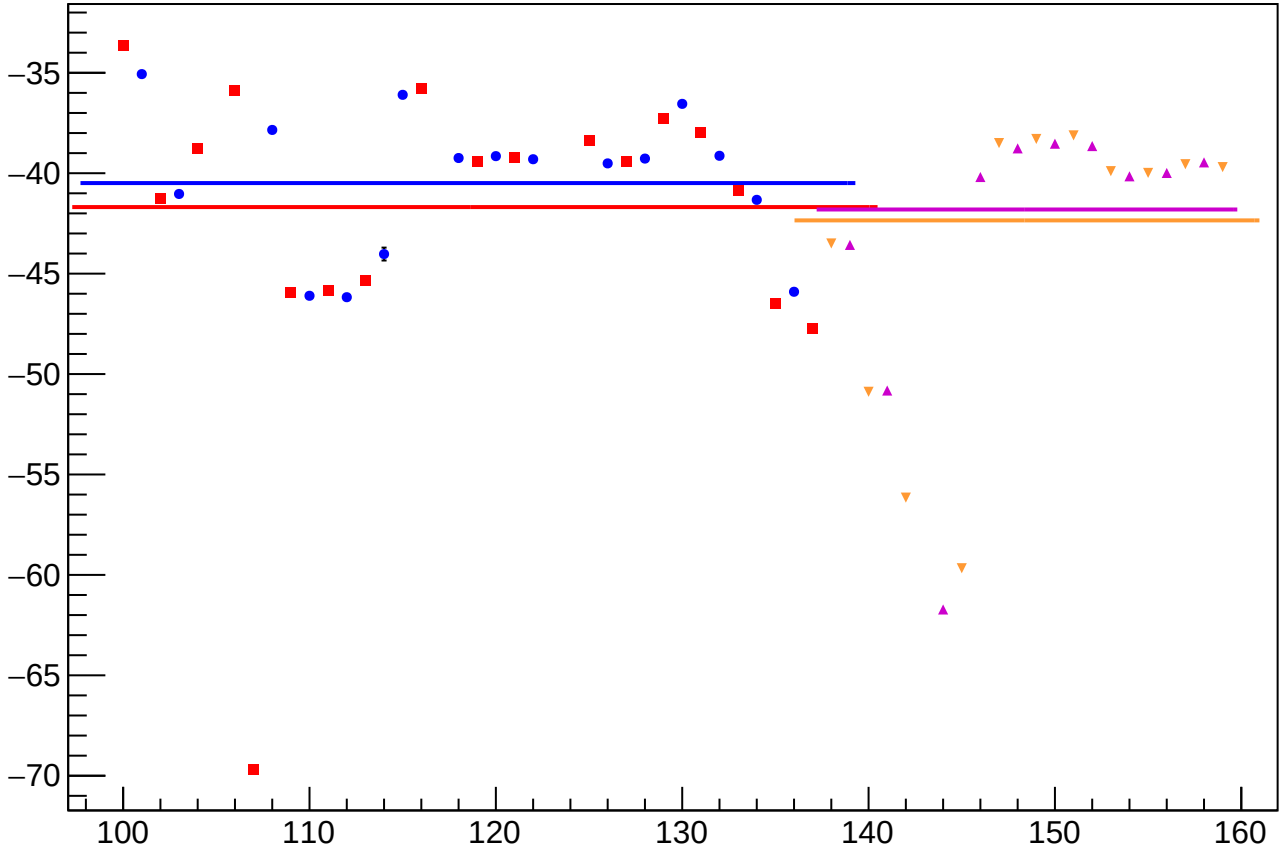
Left In: 14.459+/-0.425 χ^2/NDF:241.3/9

+ sign 10.975+/-0.320 χ^2/NDF: 943.2/26

All: 10.583+/-0.229 χ^2/NDF: 1852.9/54

- sign 10.175+/-0.326 χ^2/NDF: 906.6/27

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

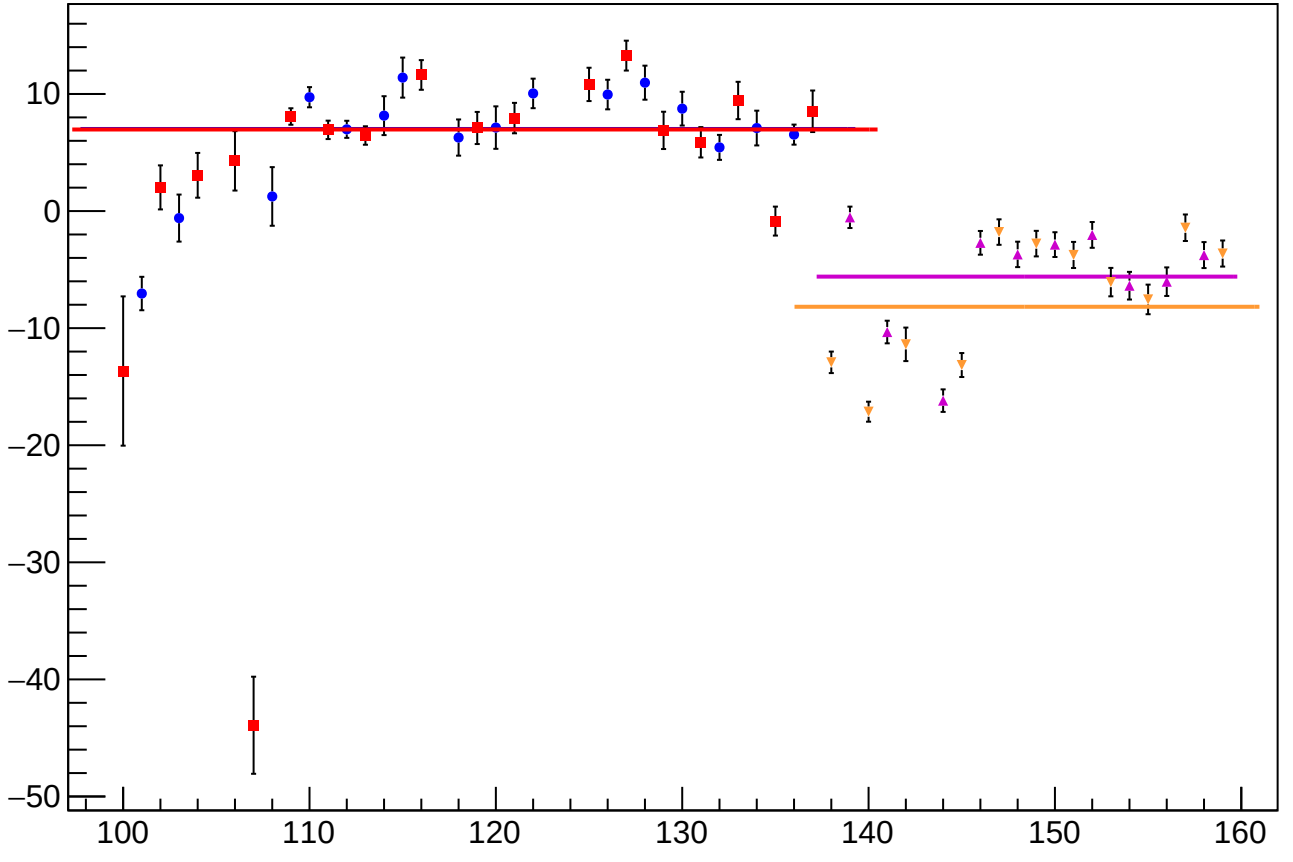
Left In: -41.806+/-0.020 χ^2/NDF:80635.7/9

+ sign -41.720+/-0.016 χ^2/NDF: 117573.4/26

All: -41.744+/-0.012 χ^2/NDF: 235063.7/54

- sign -41.768+/-0.016 χ^2/NDF: 117485.9/27

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

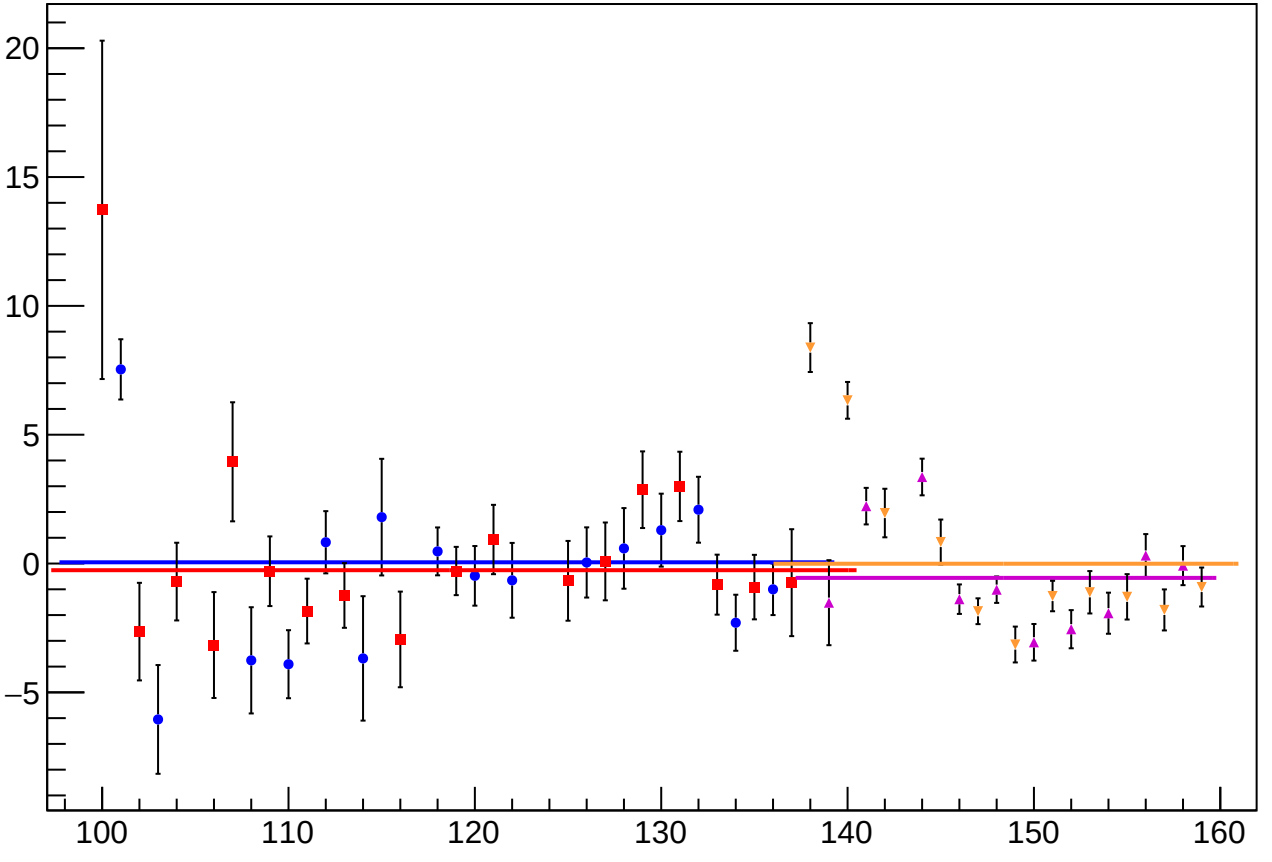
Left In: -5.599+/-0.332 χ^2/NDF:207.5/9

+ sign -0.167+/-0.225 χ^2/NDF: 1591.1/26

All: 0.602+/-0.158 χ^2/NDF: 2881.4/54

- sign 1.351+/-0.222 χ^2/NDF: 1267.2/27

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

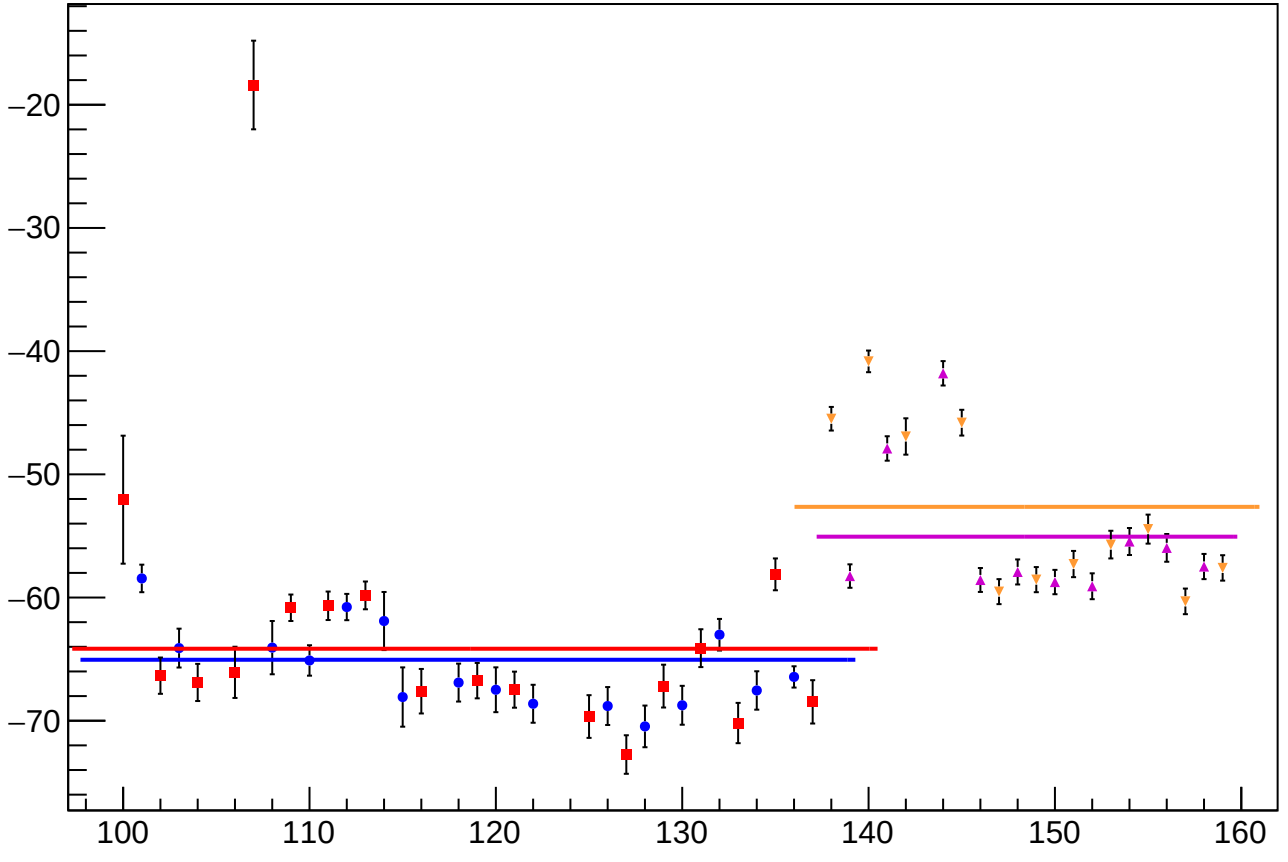
Left In: -0.557+/-0.225 χ^2/NDF:73.0/9

+ sign 0.009+/-0.184 χ^2/NDF: 286.4/26

All: -0.223+/-0.132 χ^2/NDF: 390.7/54

- sign -0.468+/-0.188 χ^2/NDF: 101.1/27

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

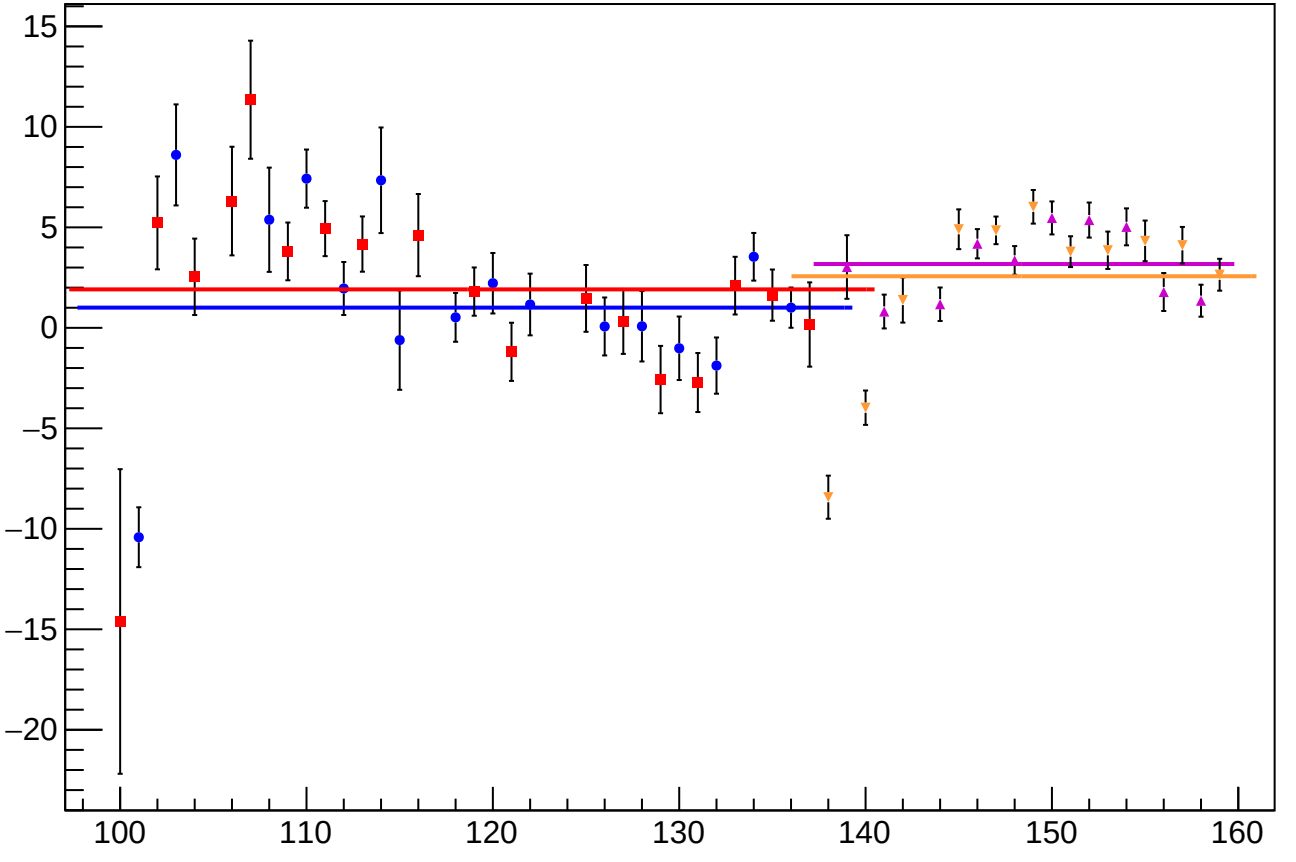
Left In: -55.060+/-0.321 χ^2/NDF:298.7/9

+ sign -58.163+/-0.236 χ^2/NDF: 1254.7/26

All: -58.619+/-0.168 χ^2/NDF: 2219.3/54

- sign -59.090+/-0.240 χ^2/NDF: 957.0/27

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

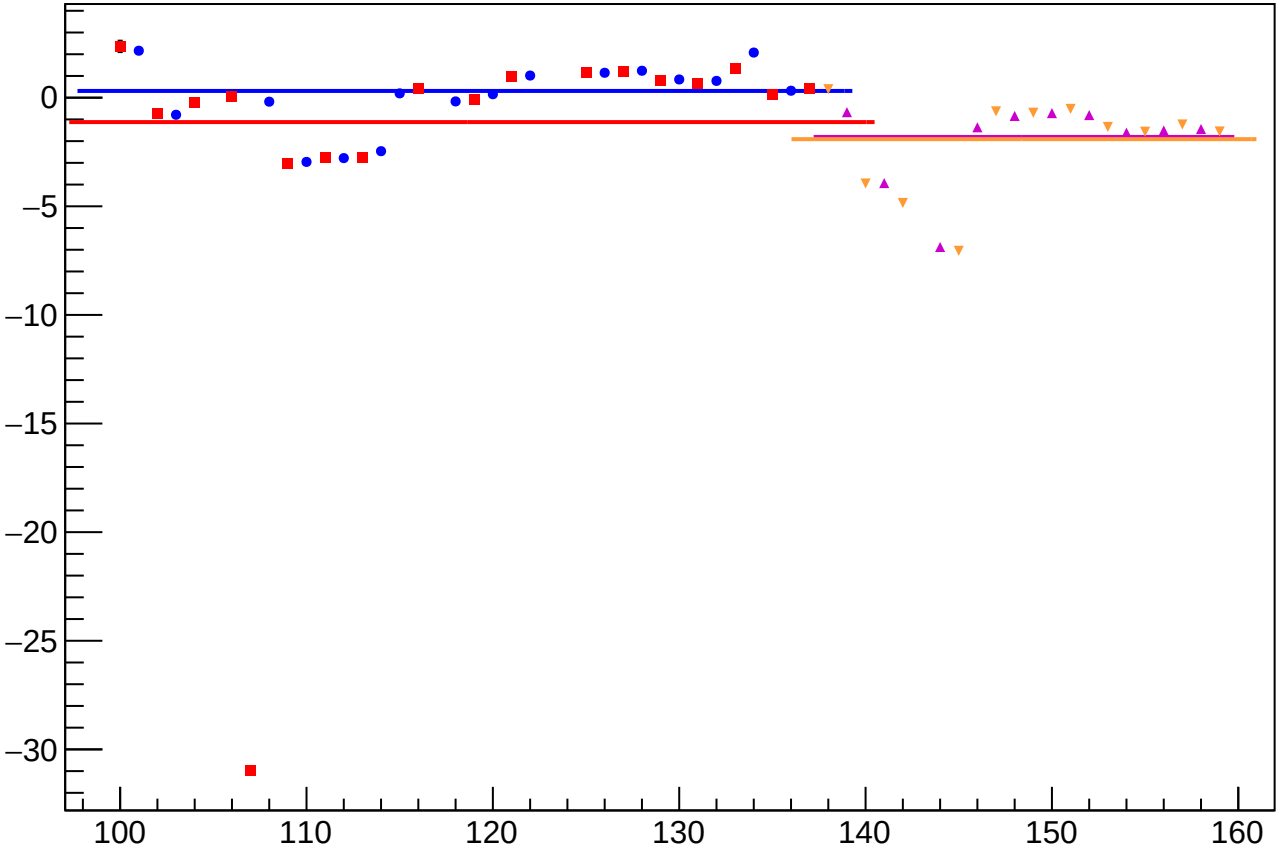
Left In: 3.175+/-0.269 χ^2/NDF:41.2/9

+ sign 2.048+/-0.217 χ^2/NDF: 329.6/26

All: 2.400+/-0.155 χ^2/NDF: 437.8/54

- sign 2.768+/-0.222 χ^2/NDF: 102.8/27

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

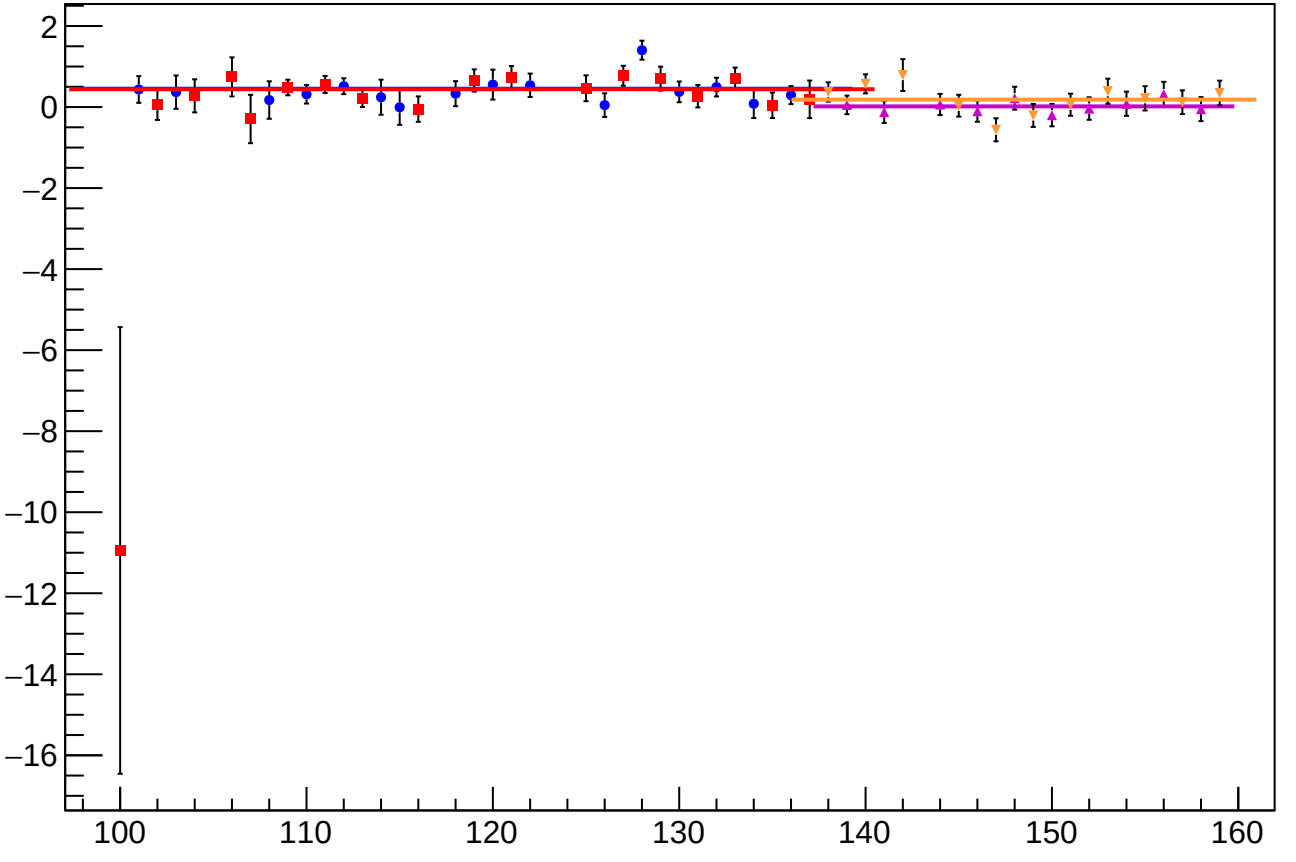
Left In: -1.808+/-0.012 χ^2/NDF:19296.0/9

+ sign -1.357+/-0.011 χ^2/NDF: 41023.2/26

All: -1.502+/-0.007 χ^2/NDF: 107782.1/54

- sign -1.651+/-0.011 χ^2/NDF: 66374.7/27

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

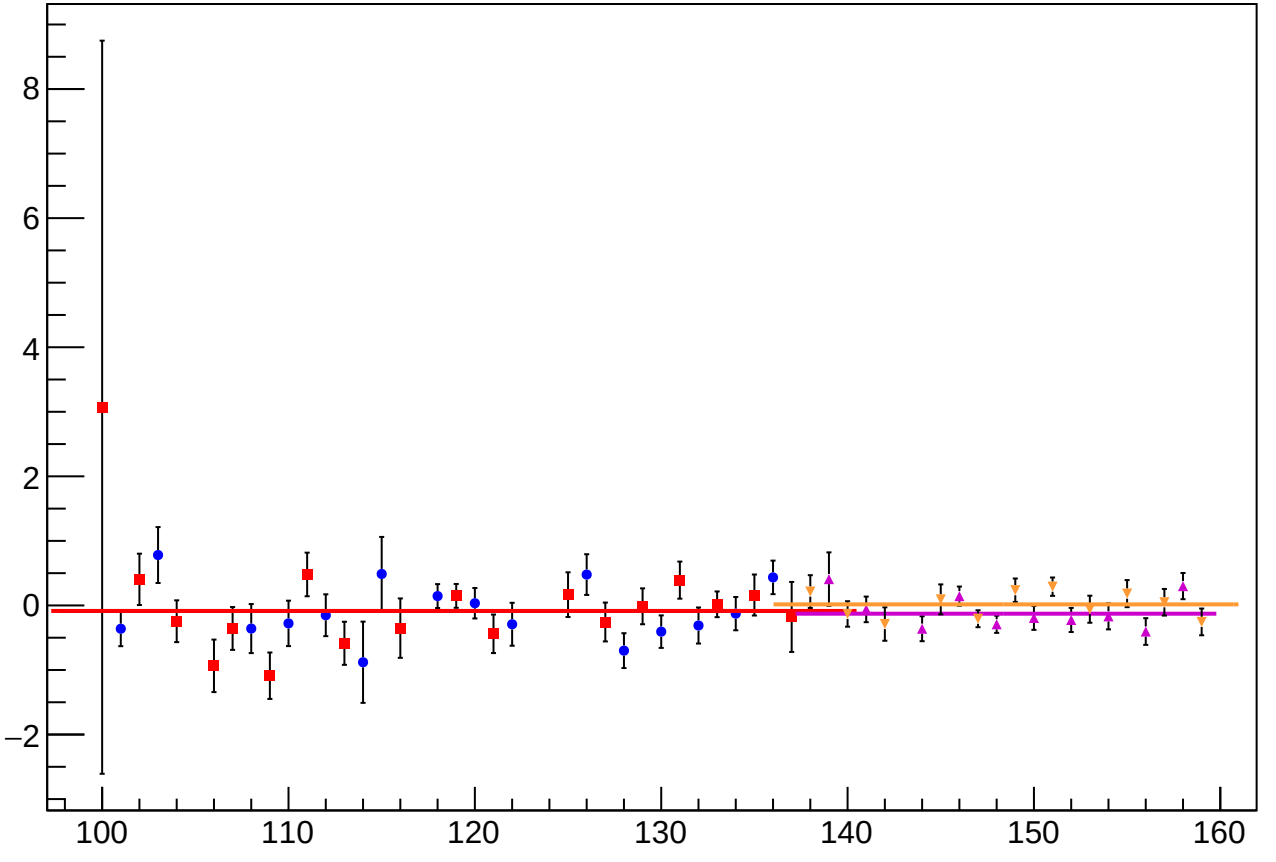
Left In: 0.016+/-0.086 χ^2/NDF:2.8/9

+ sign 0.341+/-0.055 χ^2/NDF: 44.3/26

All: 0.307+/-0.038 χ^2/NDF: 81.0/54

- sign 0.273+/-0.054 χ^2/NDF: 35.9/27

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

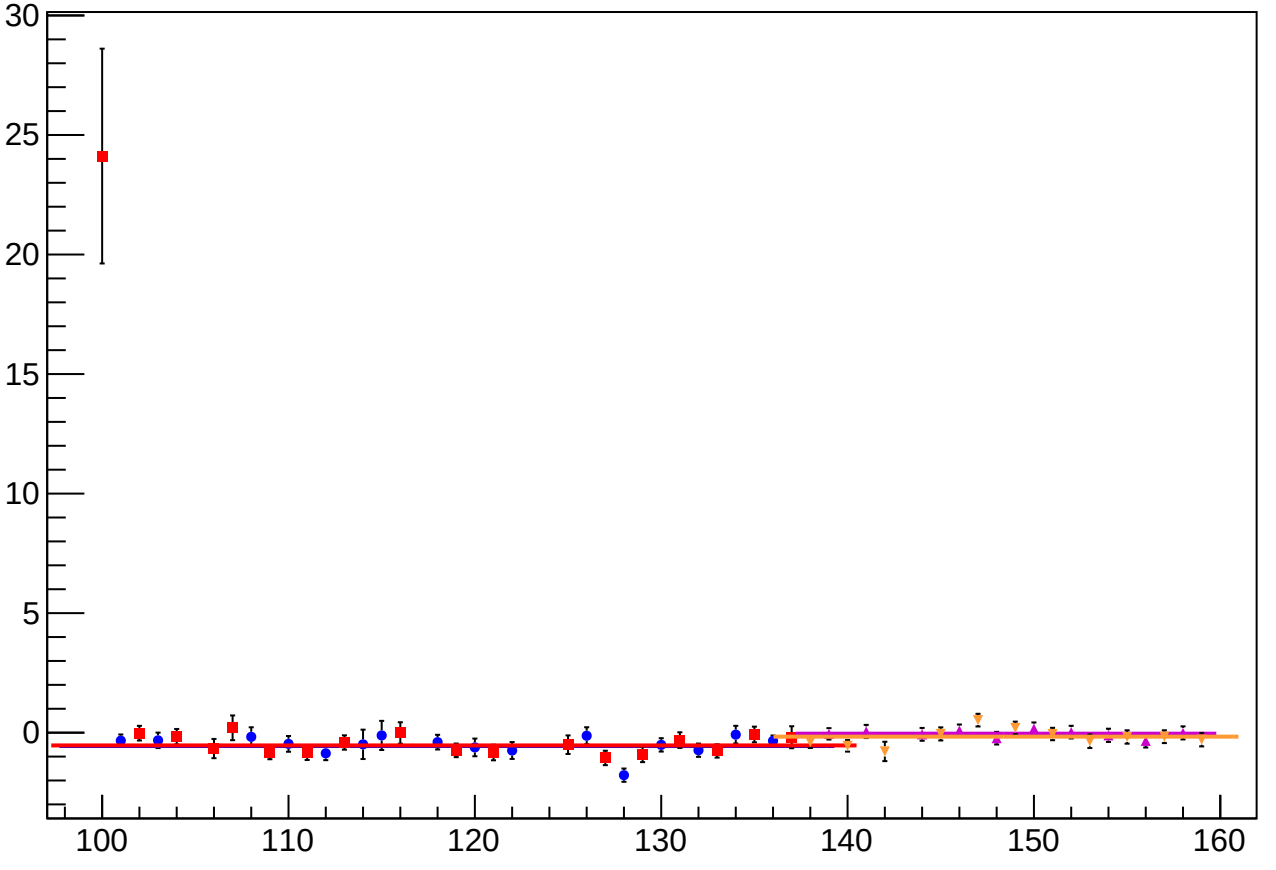
Left In: -0.128+/-0.059 χ^2/NDF:14.8/9

+ sign -0.023+/-0.045 χ^2/NDF: 39.8/26

All: -0.066+/-0.032 χ^2/NDF: 84.6/54

- sign -0.111+/-0.046 χ^2/NDF: 42.8/27

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

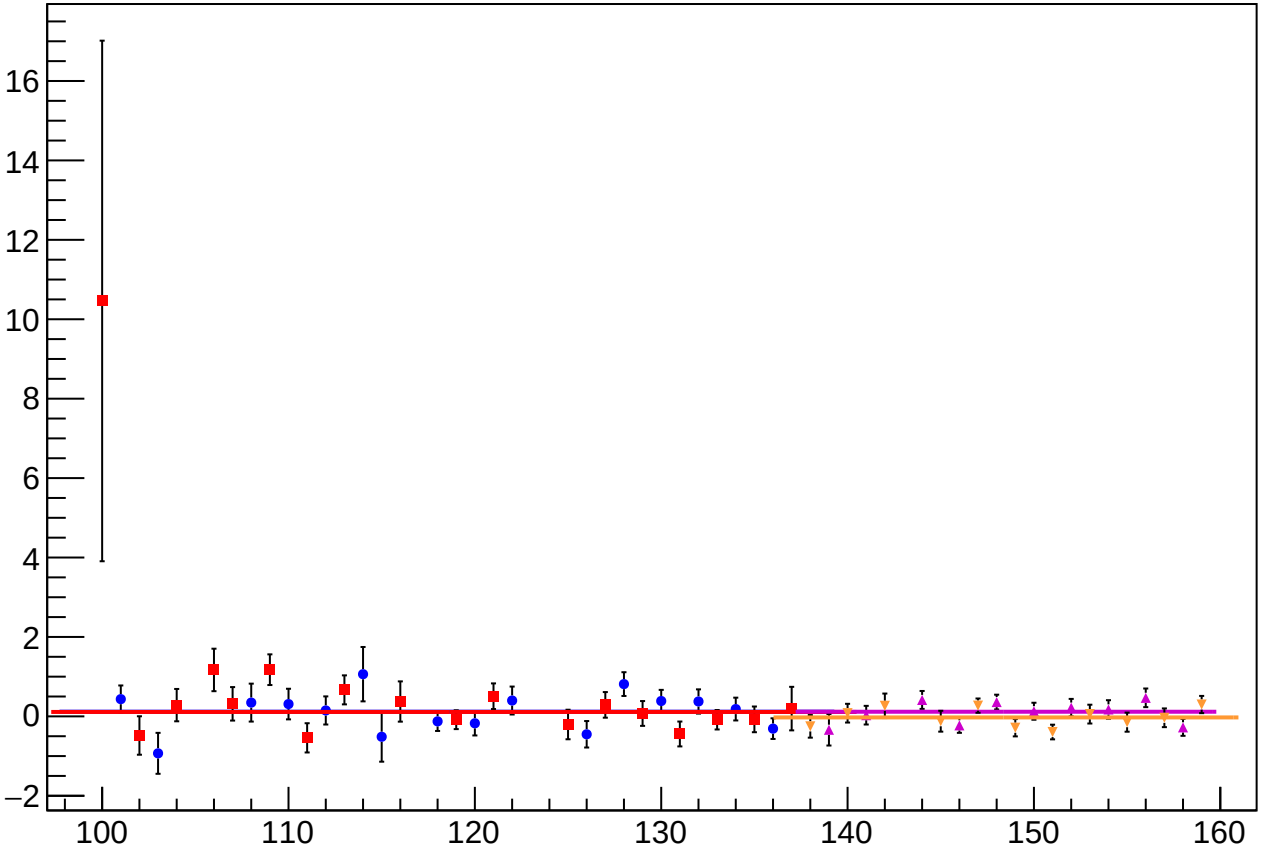
Left In: -0.043+/-0.084 χ^2/NDF:2.9/9

+ sign -0.369+/-0.057 χ^2/NDF: 55.4/26

All: -0.333+/-0.041 χ^2/NDF: 126.1/54

- sign -0.297+/-0.058 χ^2/NDF: 70.0/27

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

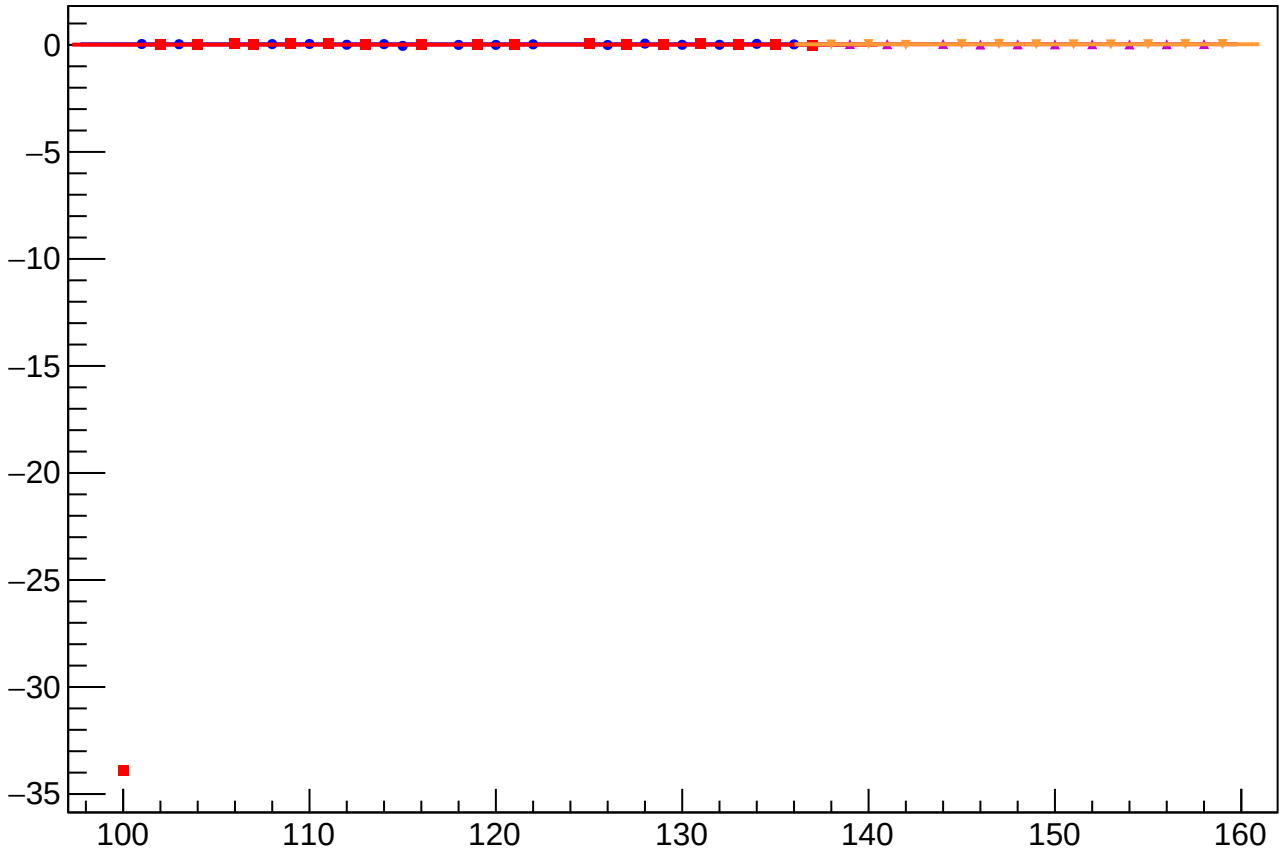
Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.116+/-0.070 χ^2/NDF:14.1/9

+ sign 0.032+/-0.053 χ^2/NDF: 38.0/26

All: 0.072+/-0.038 χ^2/NDF: 82.3/54

- sign 0.114+/-0.054 χ^2/NDF: 43.1/27



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

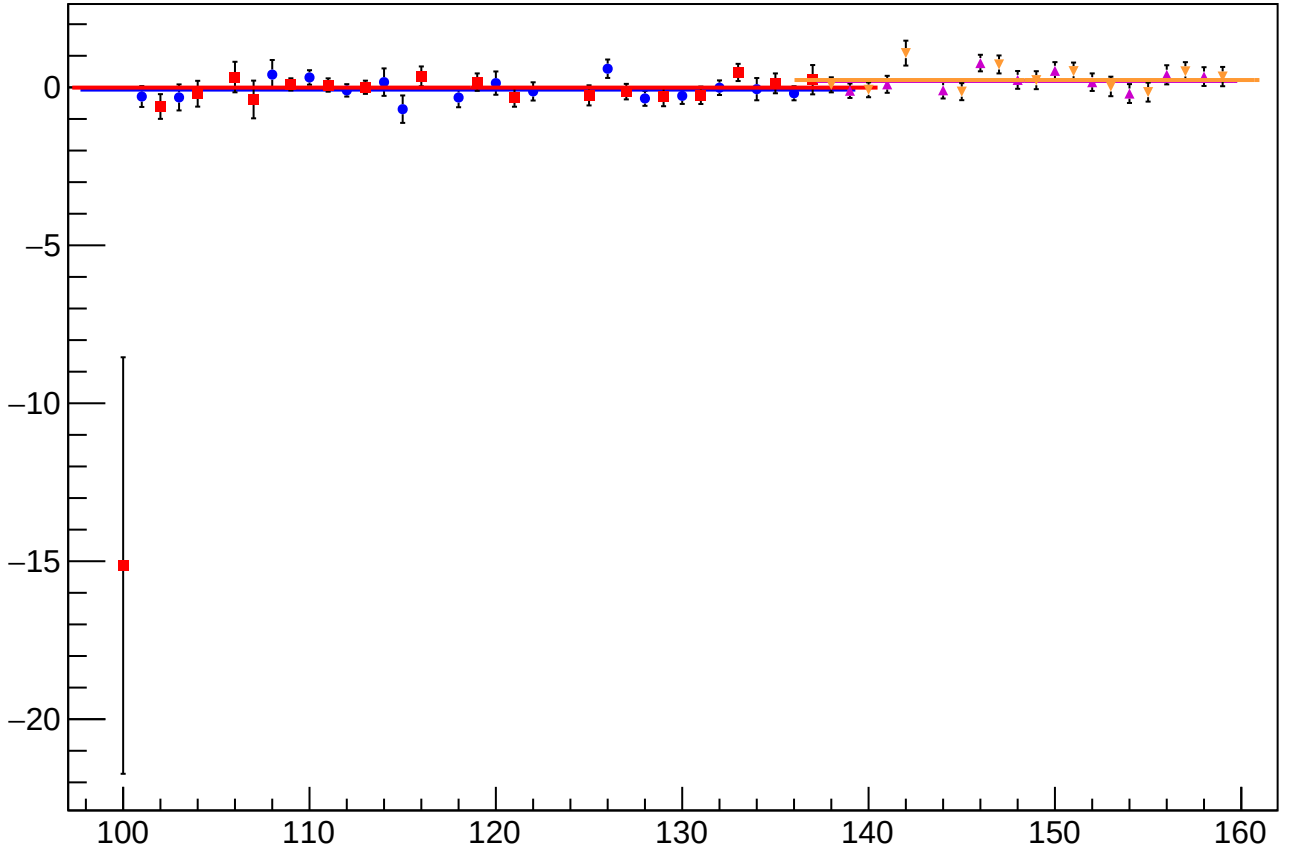
Left In: 0.034+/-0.003 χ^2/NDF:6.0/9

+ sign 0.029+/-0.003 χ^2/NDF: 24.2/26

All: 0.028+/-0.002 χ^2/NDF: 22306.4/54

- sign 0.027+/-0.003 χ^2/NDF: 22282.0/27

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

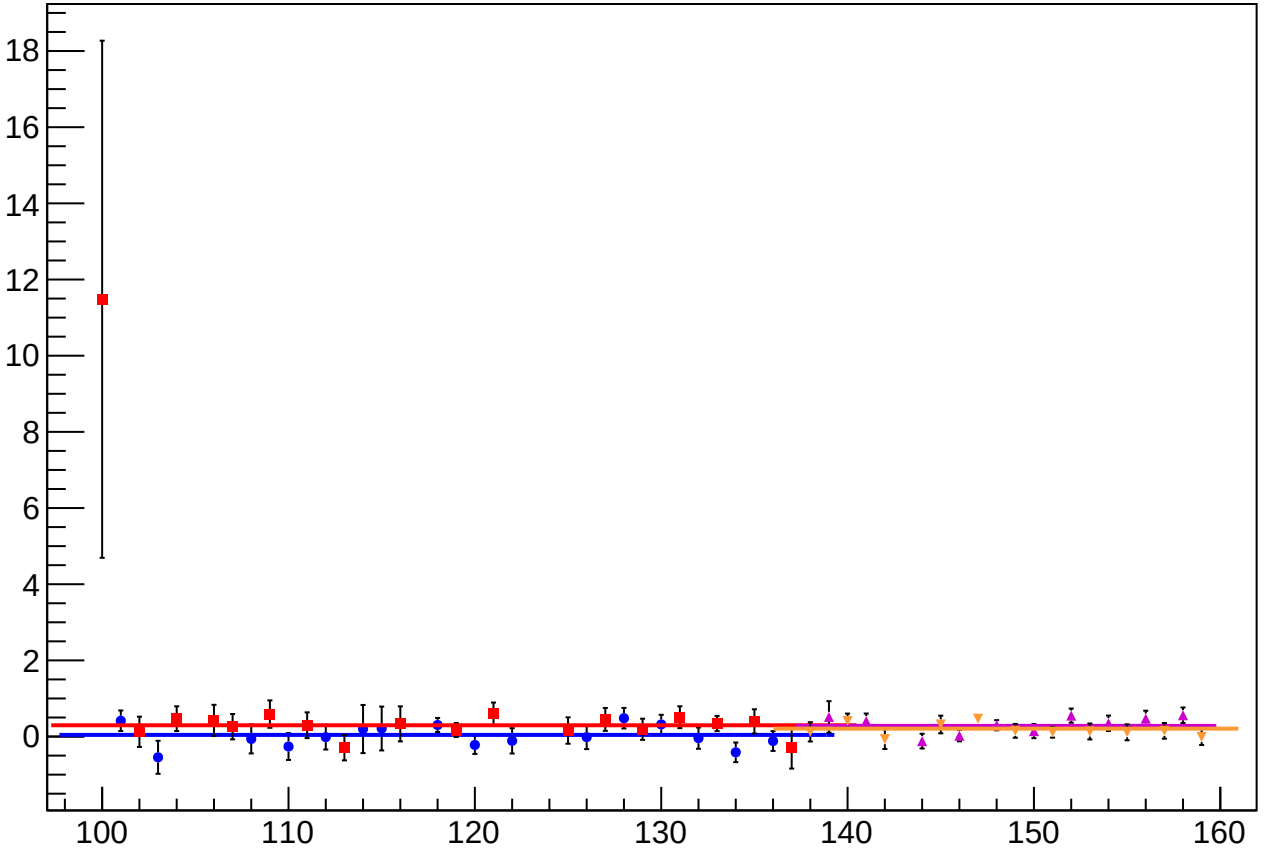
Left In: 0.203+/-0.086 χ^2/NDF:11.7/9

+ sign 0.055+/-0.055 χ^2/NDF: 38.8/26

All: 0.065+/-0.038 χ^2/NDF: 72.3/54

- sign 0.076+/-0.054 χ^2/NDF: 33.5/27

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

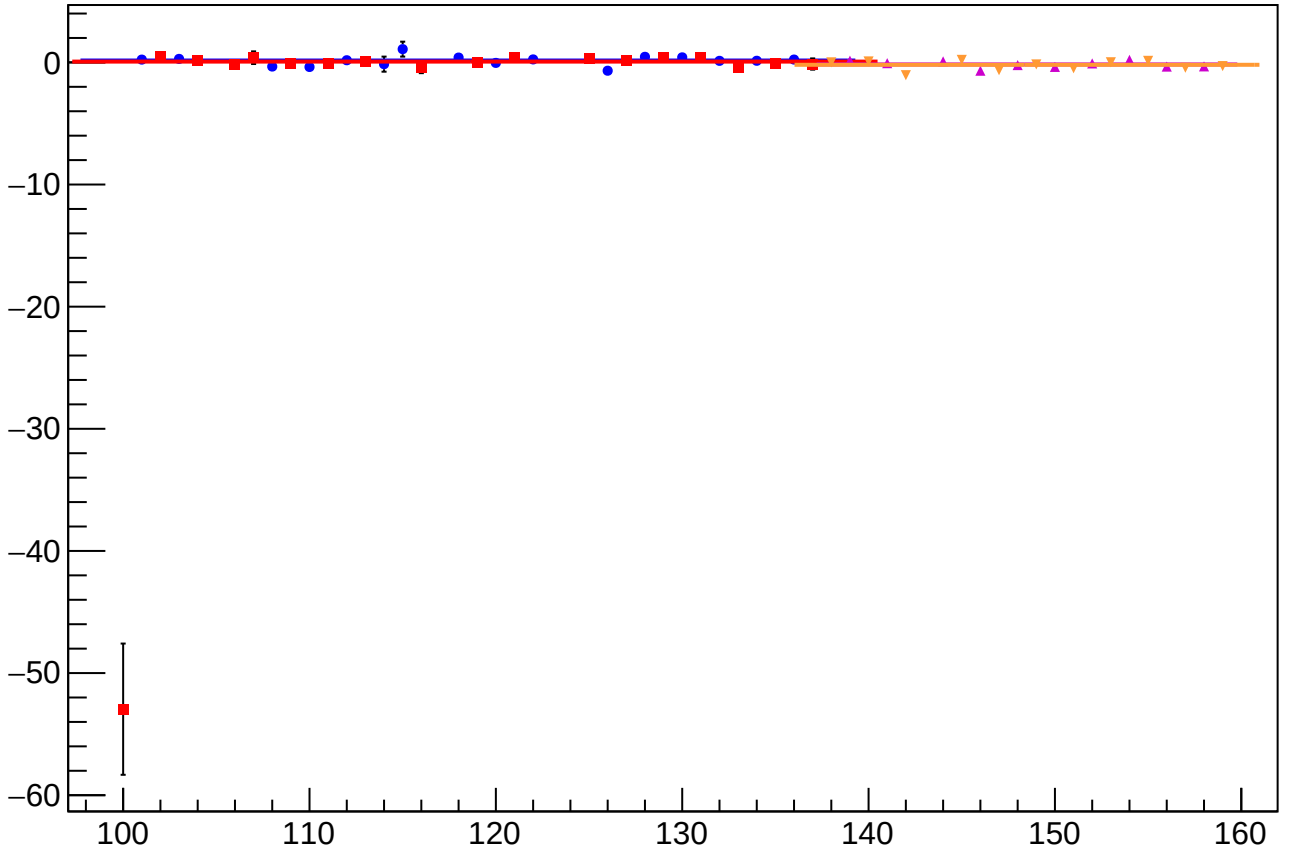
Left In: 0.280+/-0.059 χ^2/NDF:13.5/9

+ sign 0.145+/-0.045 χ^2/NDF: 27.3/26

All: 0.214+/-0.032 χ^2/NDF: 56.7/54

- sign 0.286+/-0.046 χ^2/NDF: 24.5/27

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

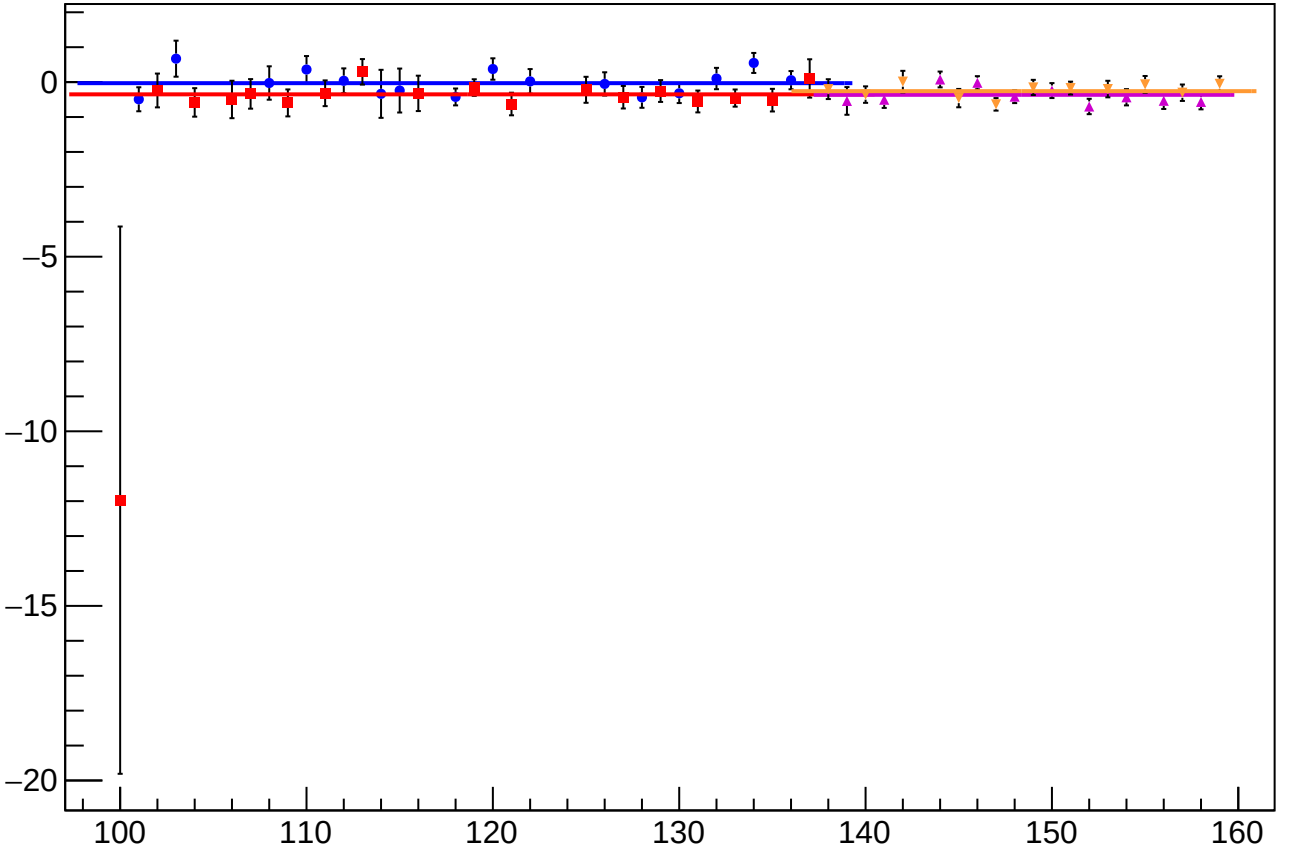
Left In: -0.167+/-0.084 χ^2/NDF:10.2/9

+ sign -0.016+/-0.057 χ^2/NDF: 40.2/26

All: -0.031+/-0.041 χ^2/NDF: 163.9/54

- sign -0.046+/-0.058 χ^2/NDF: 123.5/27

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

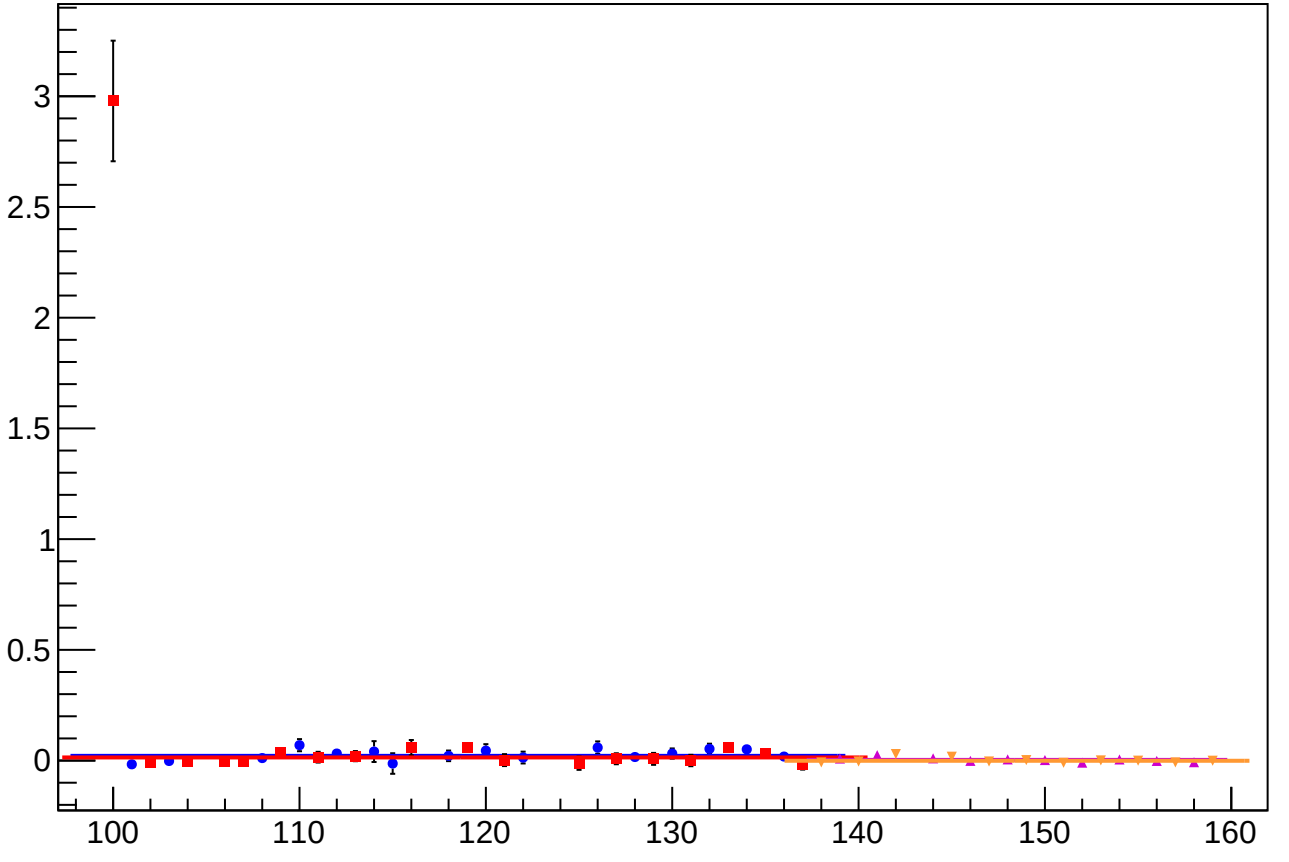
Left In: -0.364+/-0.070 χ^2/NDF:11.9/9

+ sign -0.167+/-0.053 χ^2/NDF: 29.4/26

All: -0.261+/-0.038 χ^2/NDF: 57.1/54

- sign -0.358+/-0.054 χ^2/NDF: 21.4/27

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

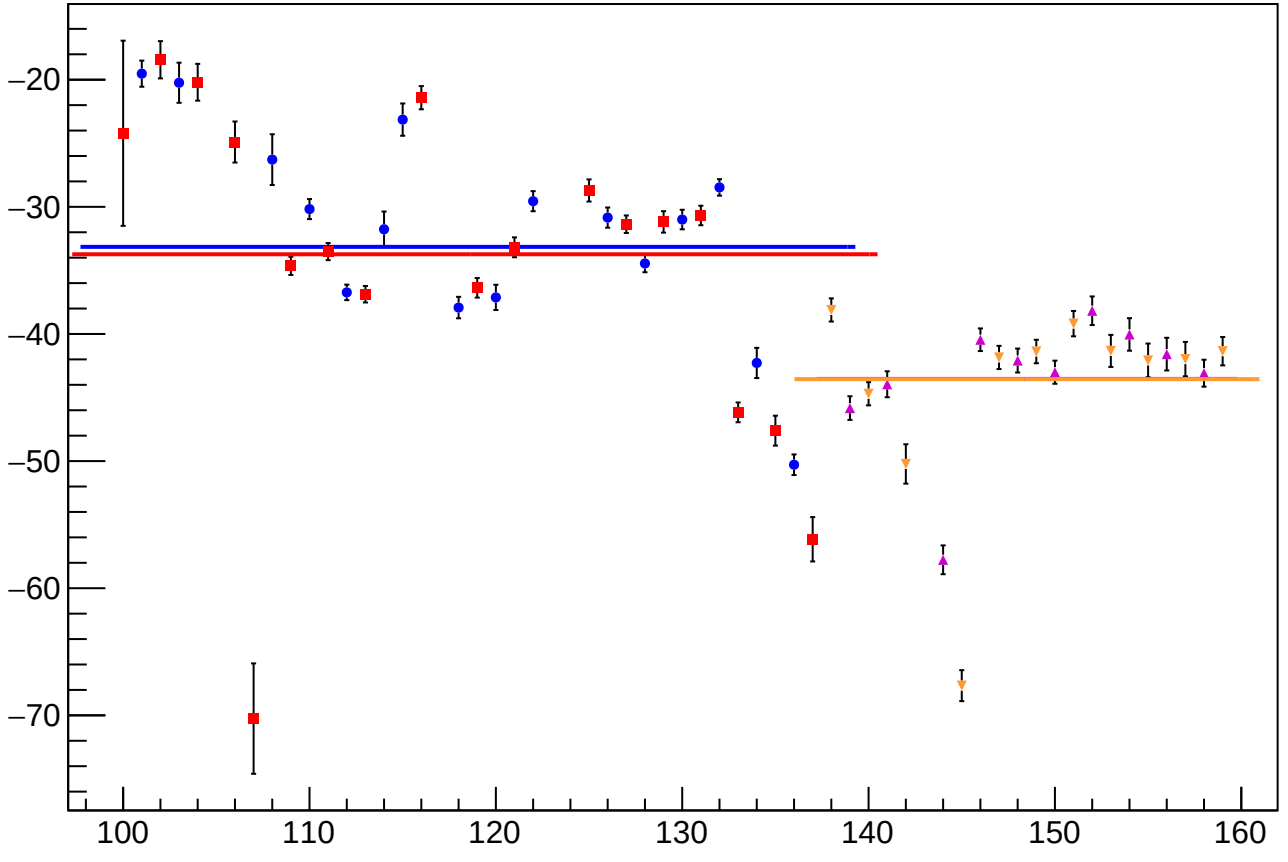
Left In: 0.003+/-0.003 χ^2/NDF:7.9/9

+ sign 0.006+/-0.003 χ^2/NDF: 45.9/26

All: 0.006+/-0.002 χ^2/NDF: 198.4/54

- sign 0.006+/-0.003 χ^2/NDF: 152.4/27

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

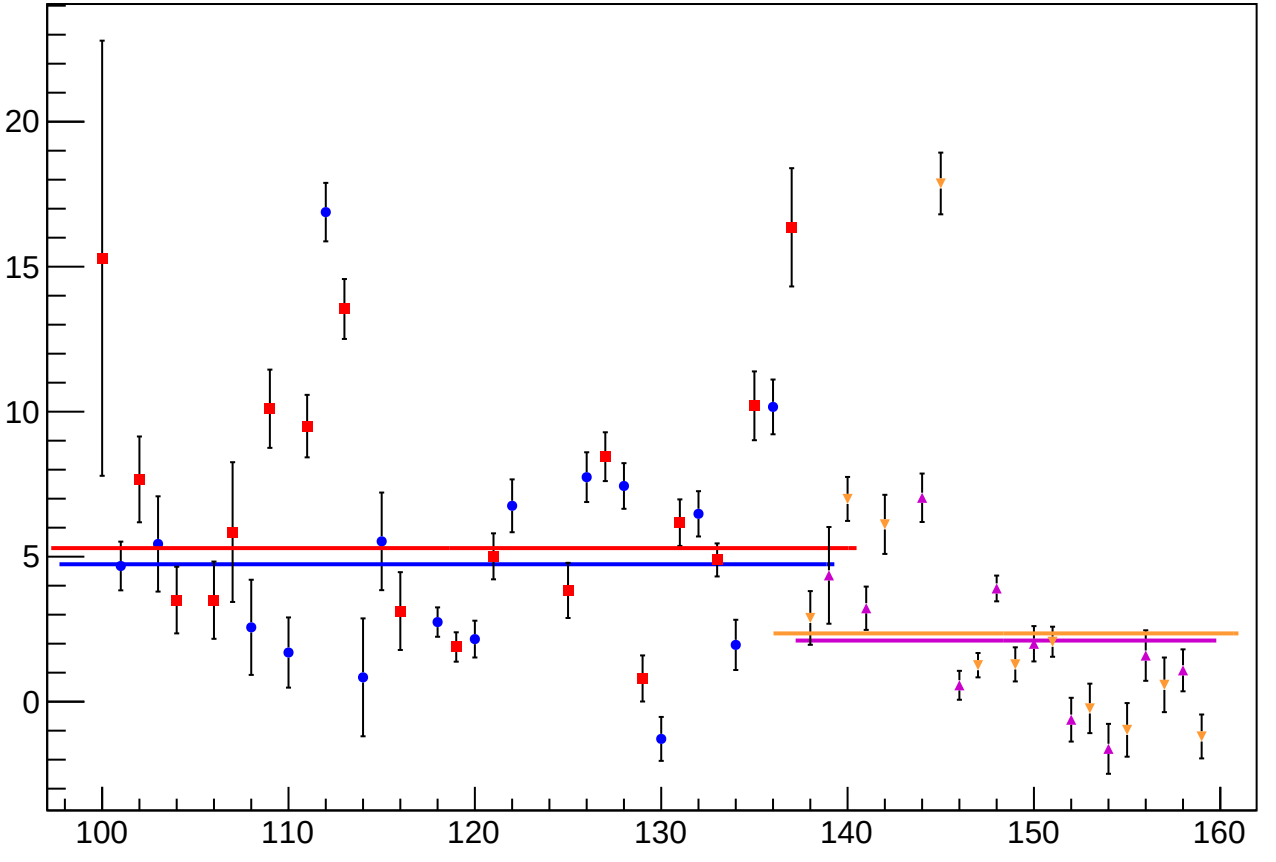
Left In: -43.535+/-0.326 χ^2/NDF:211.1/9

+ sign -36.368+/-0.181 χ^2/NDF: 2205.1/26

All: -36.534+/-0.127 χ^2/NDF: 4196.3/54

- sign -36.696+/-0.179 χ^2/NDF: 1989.5/27

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

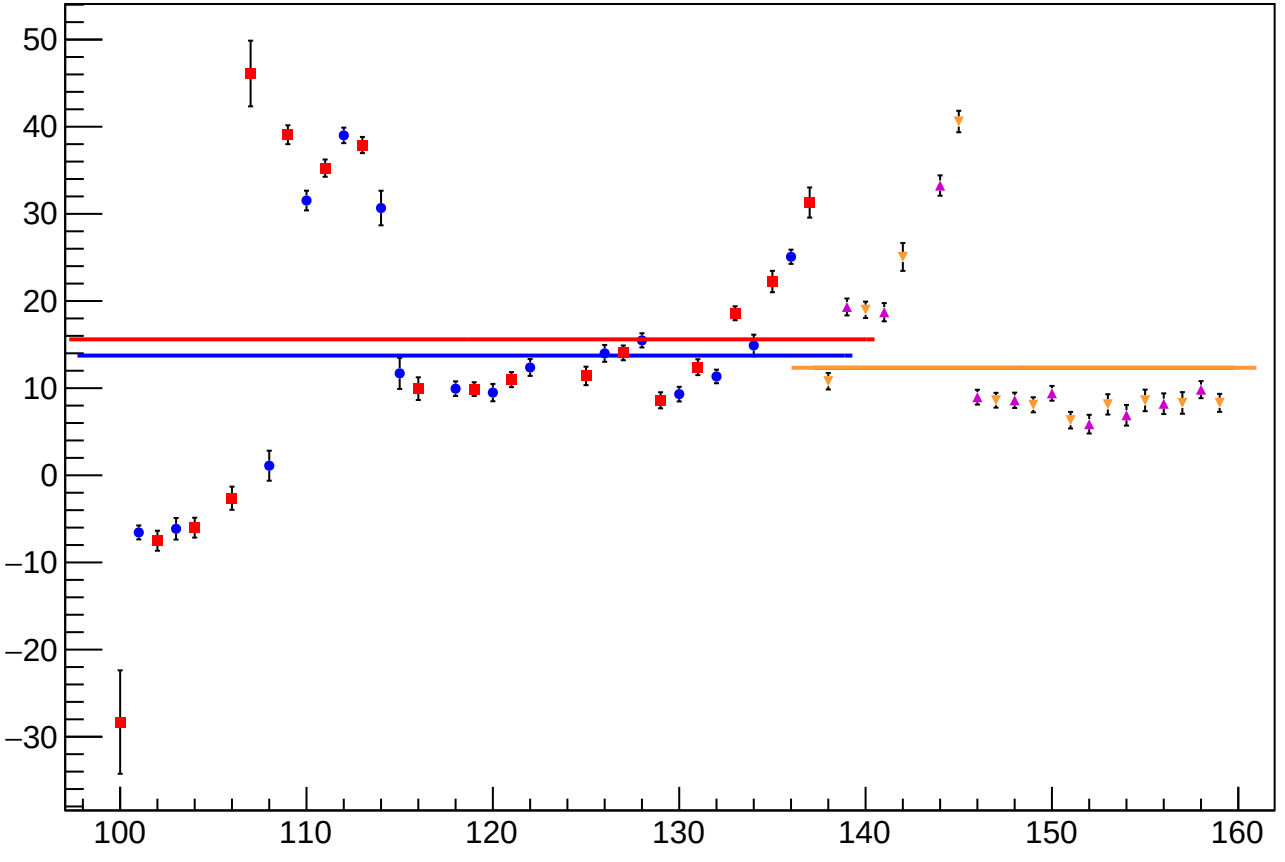
Left In: 2.108+/-0.215 χ^2/NDF:99.0/9

+ sign 3.501+/-0.152 χ^2/NDF: 713.1/26

All: 3.568+/-0.108 χ^2/NDF: 1163.5/54

- sign 3.638+/-0.155 χ^2/NDF: 450.0/27

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

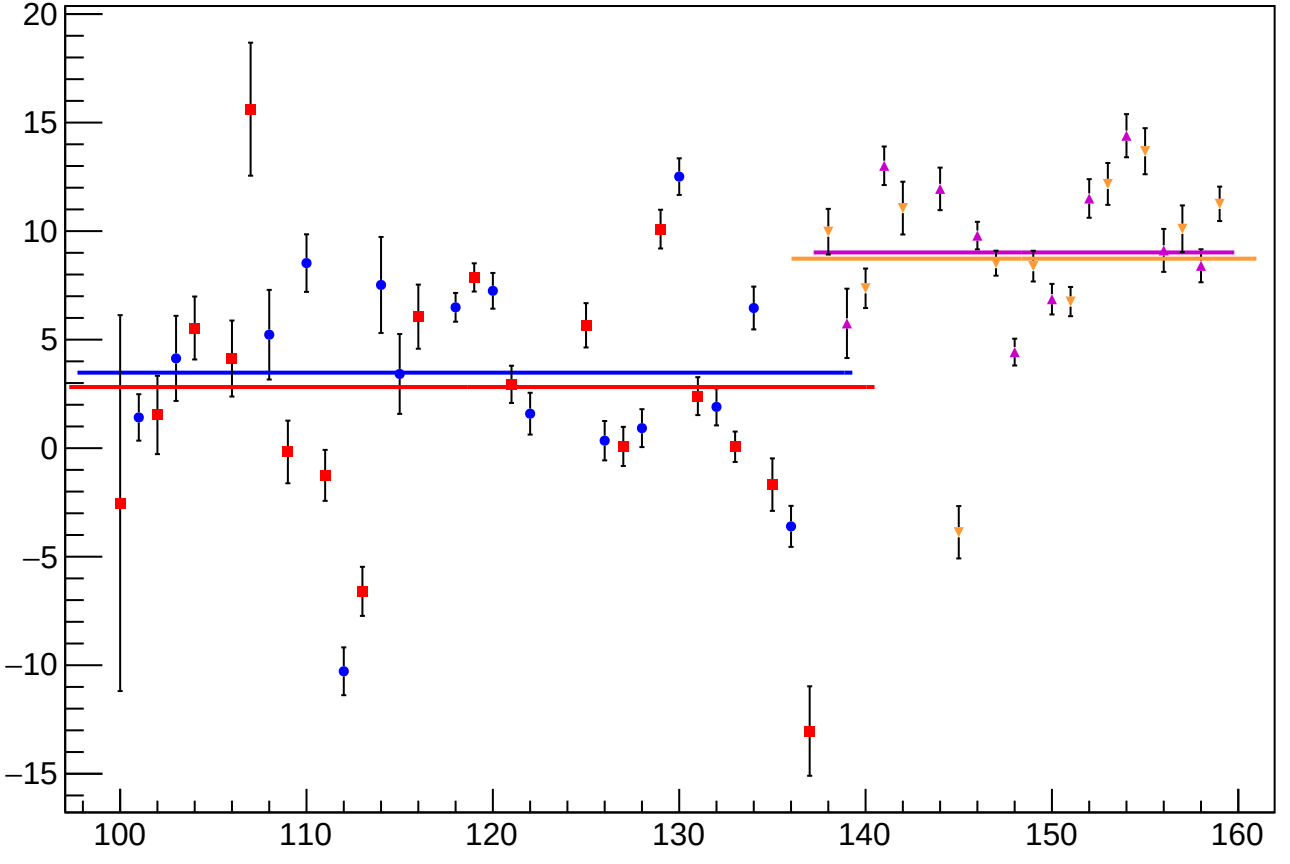
Left In: 12.336+/-0.315 χ^2/NDF:531.5/9

\+ sign 13.206+/-0.194 χ^2/NDF: 3135.7/26

All: 13.766+/-0.138 χ^2/NDF: 6576.2/54

\- sign 14.336+/-0.196 χ^2/NDF: 3423.7/27

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

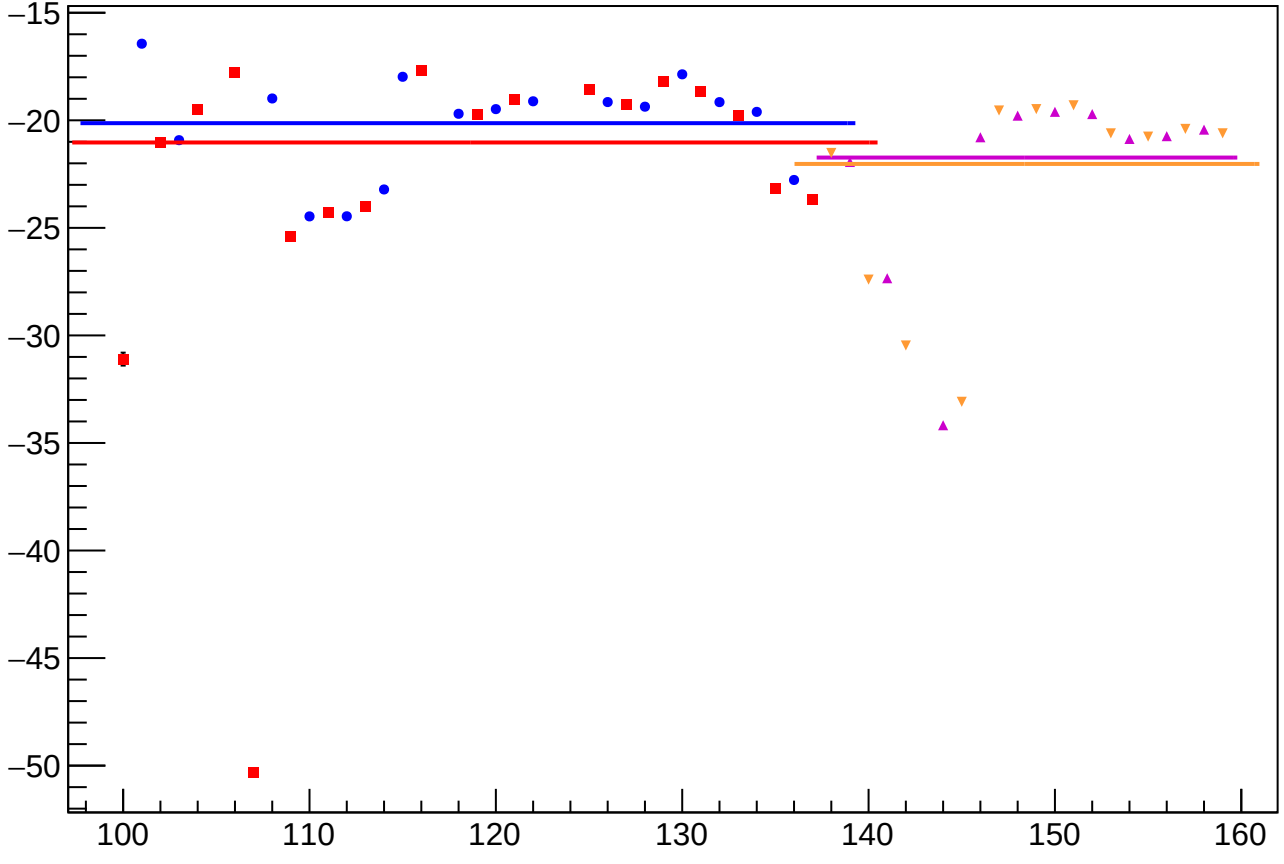
Left In: 9.017+/-0.260 χ^2/NDF:137.3/9

+ sign 6.068+/-0.181 χ^2/NDF: 810.6/26

All: 5.980+/-0.128 χ^2/NDF: 1581.5/54

- sign 5.890+/-0.183 χ^2/NDF: 770.4/27

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

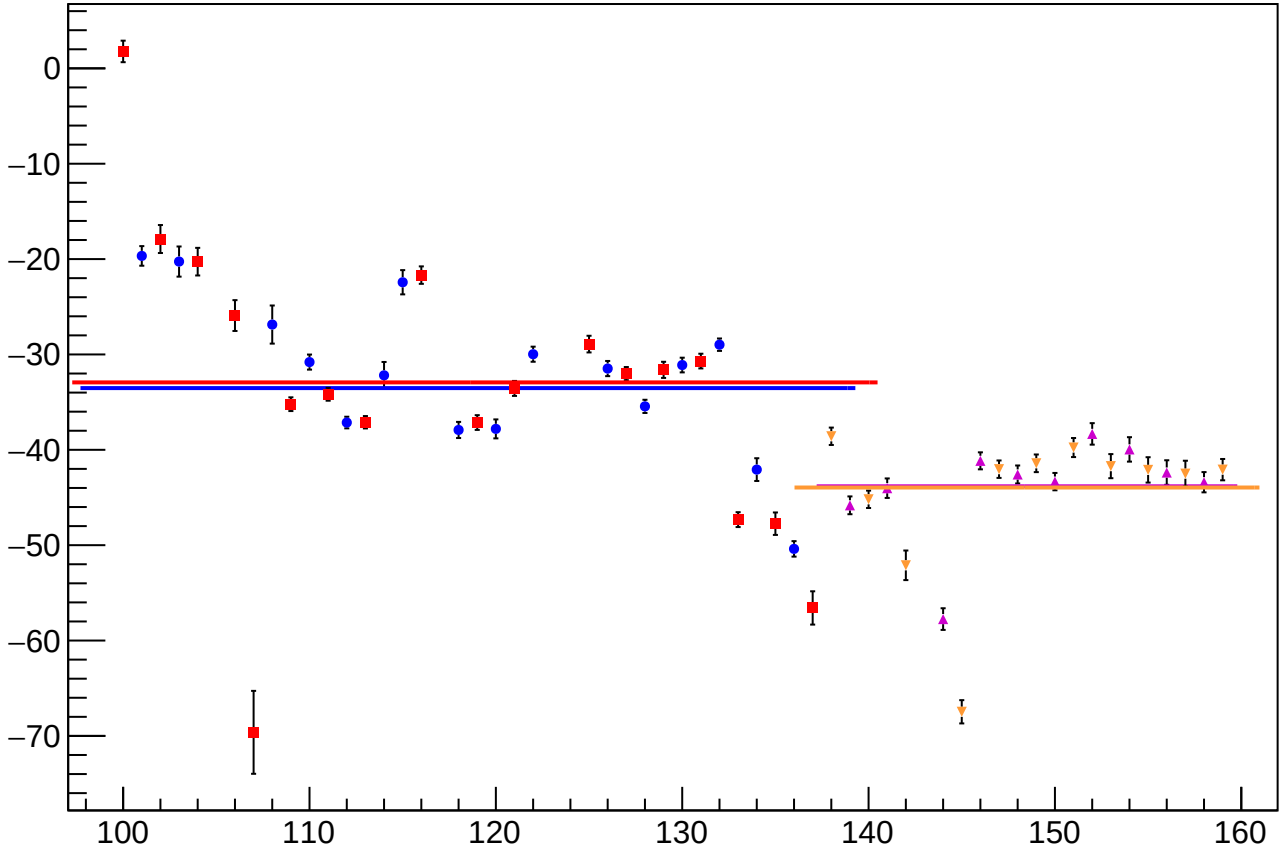
Left In: -21.732+/-0.012 χ^2/NDF:86351.6/9

+ sign -21.332+/-0.010 χ^2/NDF: 133779.9/26

All: -21.411+/-0.007 χ^2/NDF: 278976.2/54

- sign -21.489+/-0.010 χ^2/NDF: 145064.0/27

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

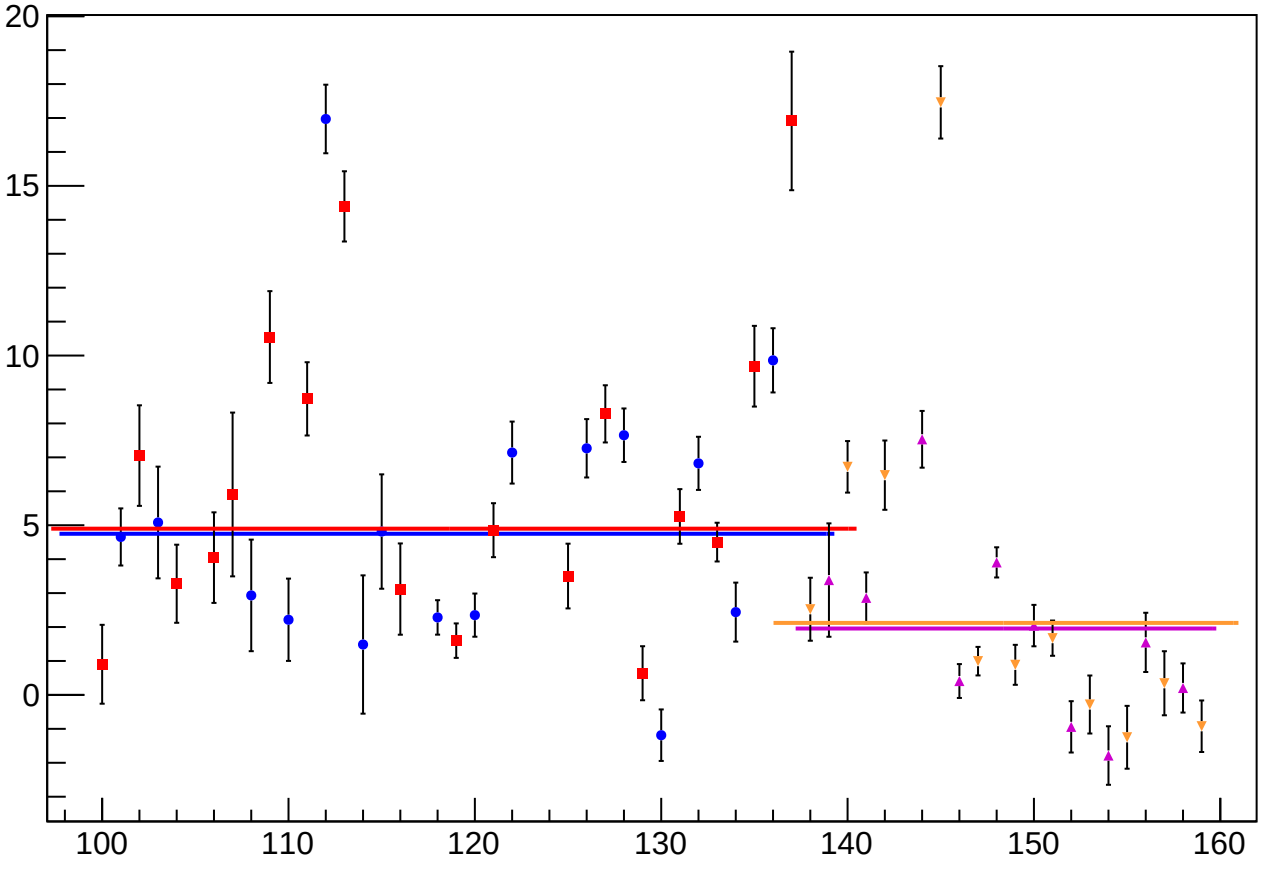
Left In: -43.825+/-0.327 χ^2/NDF:200.2/9

+ sign -36.755+/-0.182 χ^2/NDF: 2188.1/26

All: -36.445+/-0.127 χ^2/NDF: 5346.8/54

- sign -36.148+/-0.178 χ^2/NDF: 3153.1/27

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

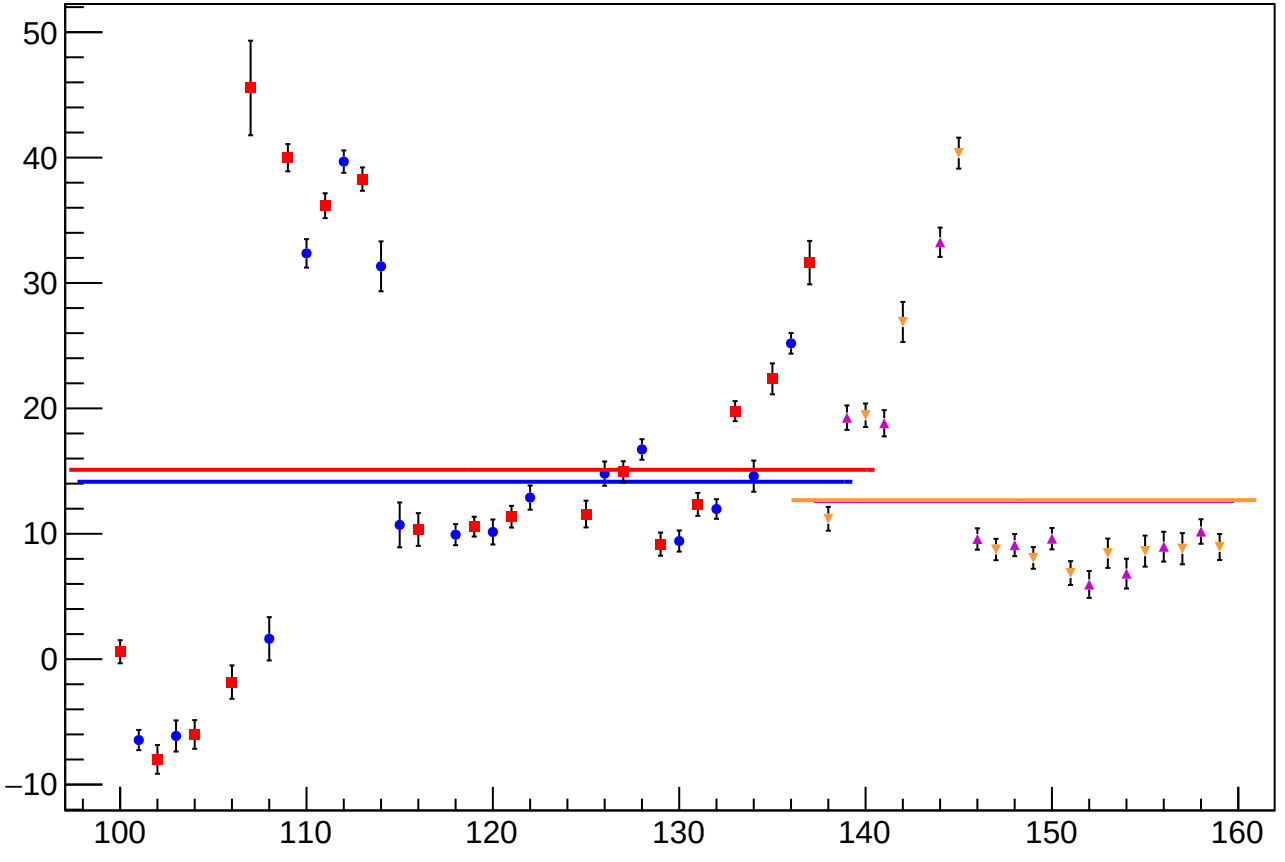
Left In: 1.956+/-0.215 χ^2/NDF:115.1/9

+ sign 3.385+/-0.152 χ^2/NDF: 714.9/26

All: 3.389+/-0.108 χ^2/NDF: 1194.5/54

- sign 3.394+/-0.154 χ^2/NDF: 479.6/27

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

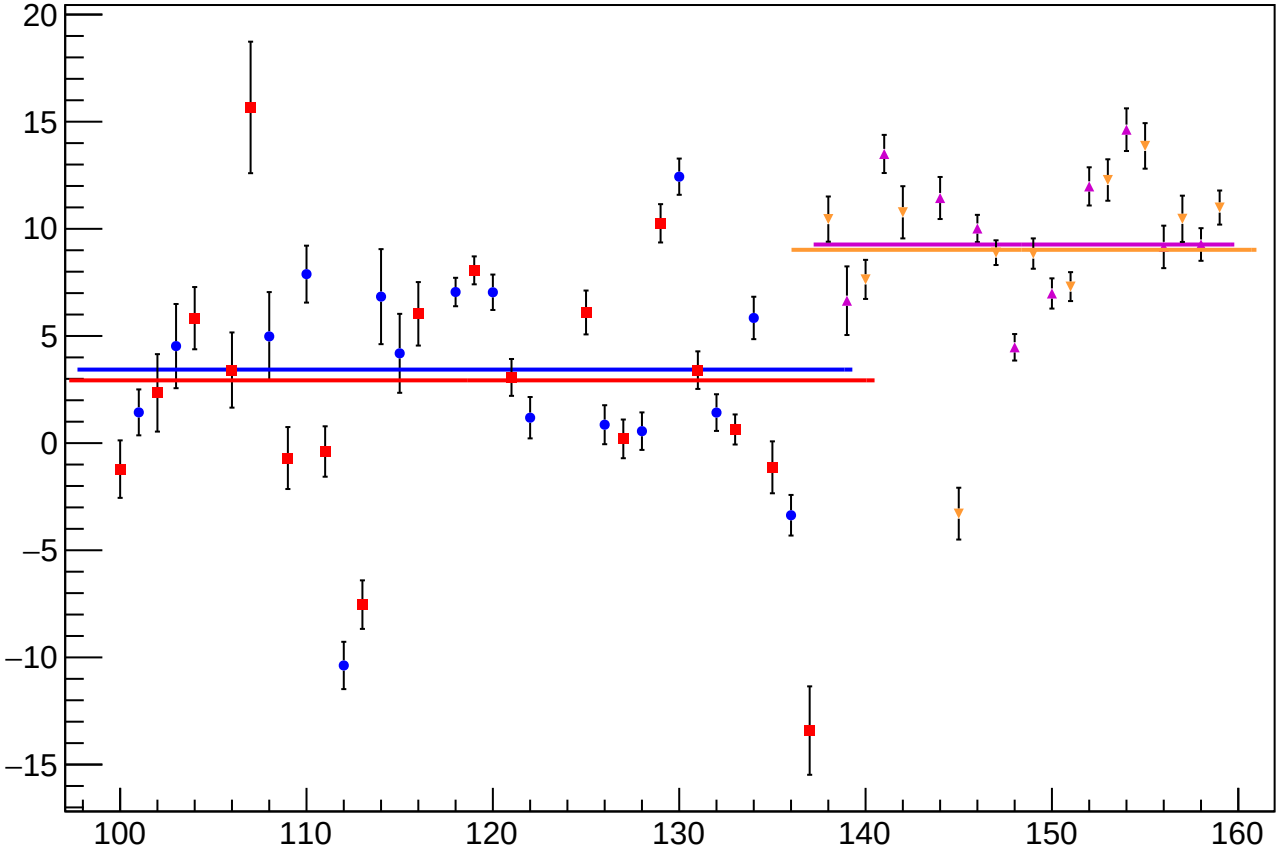
Left In: 12.607+/-0.315 χ^2/NDF:511.9/9

+ sign 13.590+/-0.195 χ^2/NDF: 3185.0/26

All: 13.888+/-0.137 χ^2/NDF: 6843.3/54

- sign 14.178+/-0.192 χ^2/NDF: 3653.6/27

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

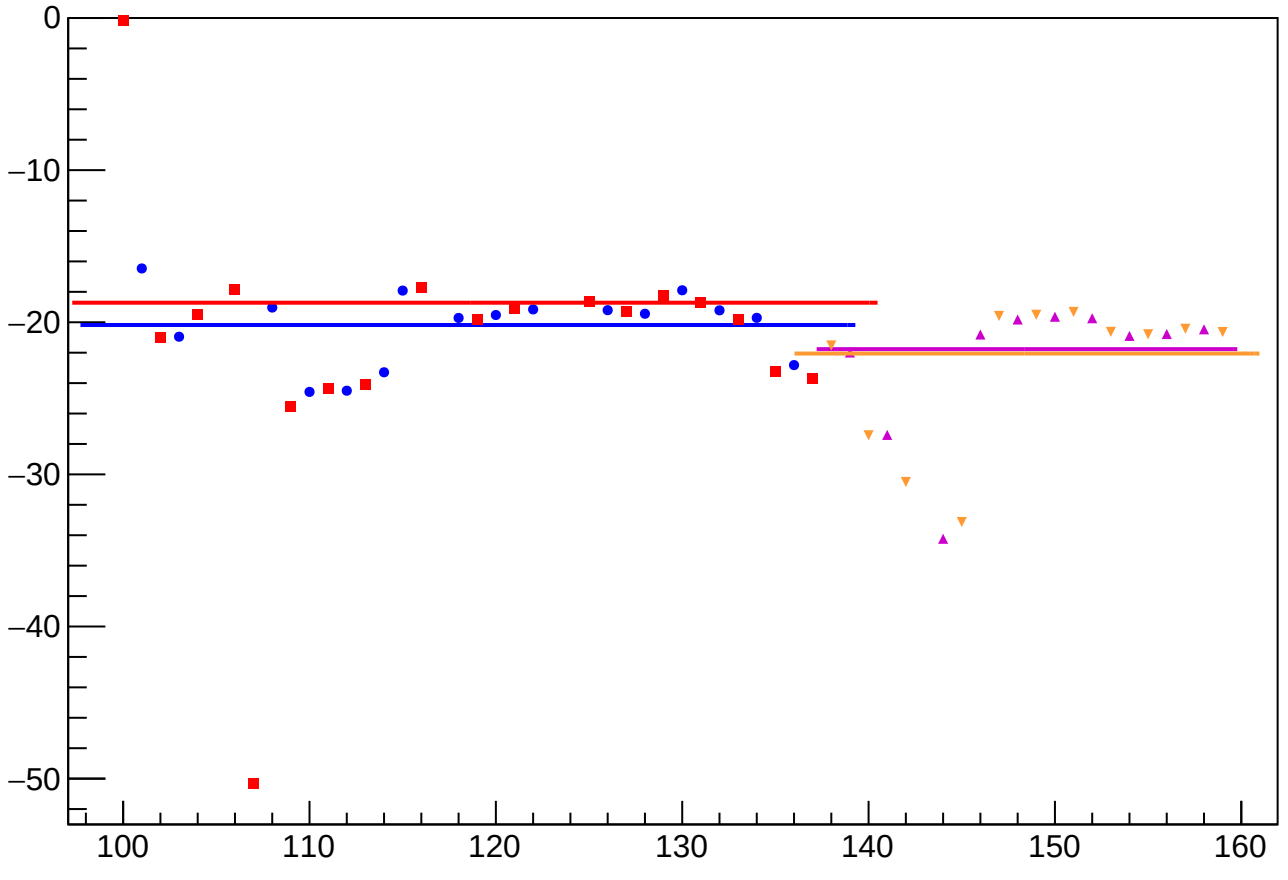
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.268+/-0.260 χ^2/NDF:140.4/9

+ sign 6.188+/-0.181 χ^2/NDF: 818.9/26

All: 6.102+/-0.128 χ^2/NDF: 1632.4/54

- sign 6.016+/-0.181 χ^2/NDF: 813.1/27



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

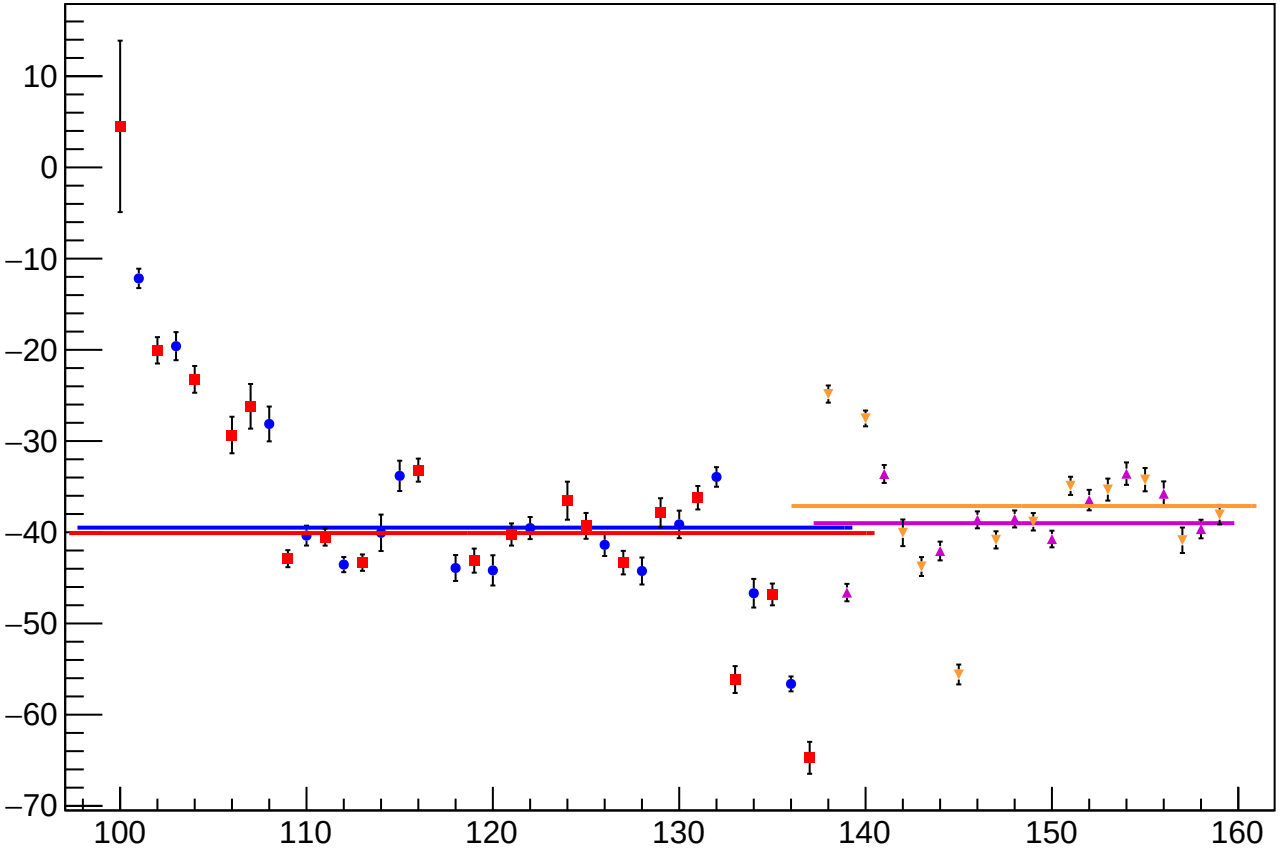
Left In: -21.767+/-0.012 χ^2/NDF:86507.9/9

+ sign -21.367+/-0.010 χ^2/NDF: 133338.4/26

All: -20.990+/-0.007 χ^2/NDF: 481593.8/54

- sign -20.630+/-0.009 χ^2/NDF: 345319.1/27

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

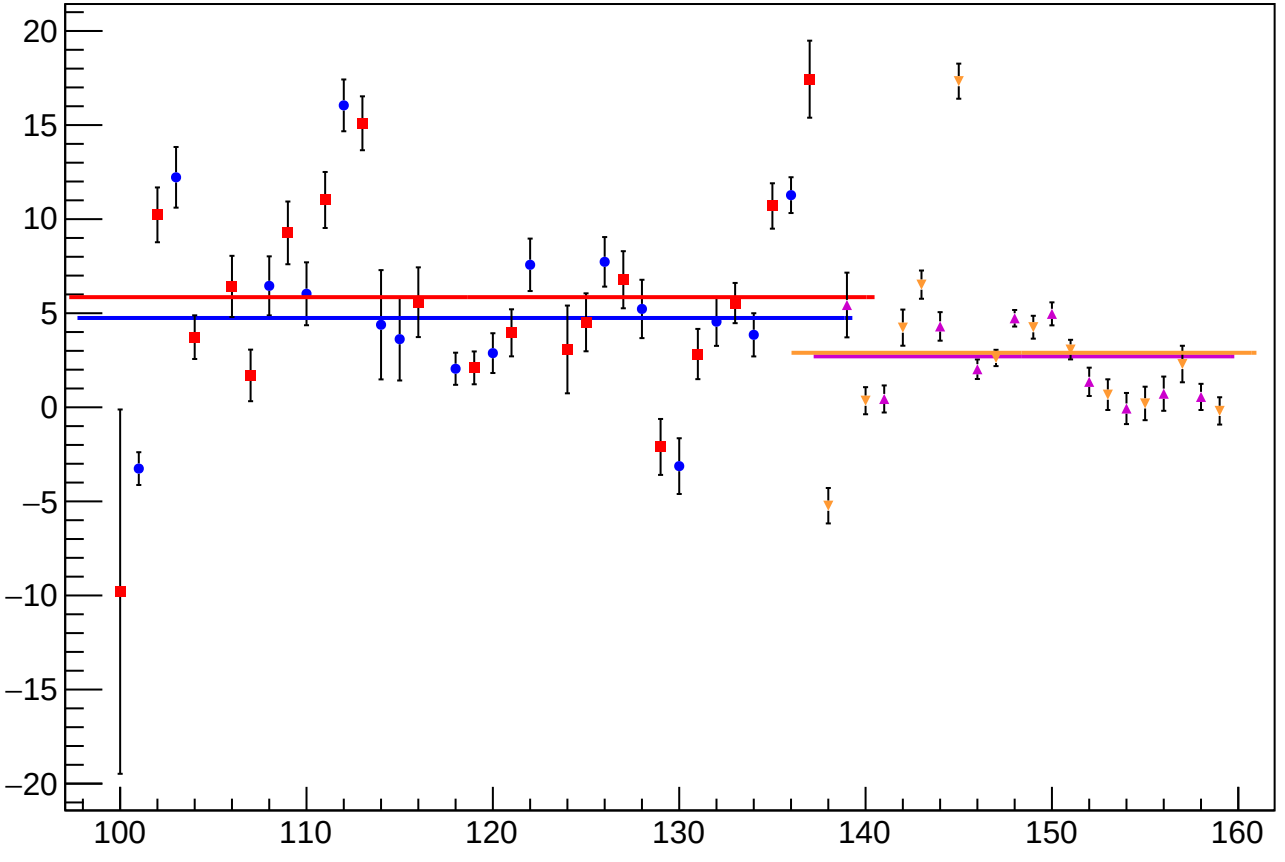
Left In: -39.005+/-0.323 χ^2/NDF:137.2/9

\+ sign -38.293+/-0.218 χ^2/NDF: 2112.1/27

All: -38.921+/-0.156 χ^2/NDF: 3107.1/56

\- sign -39.575+/-0.223 χ^2/NDF: 978.1/28

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

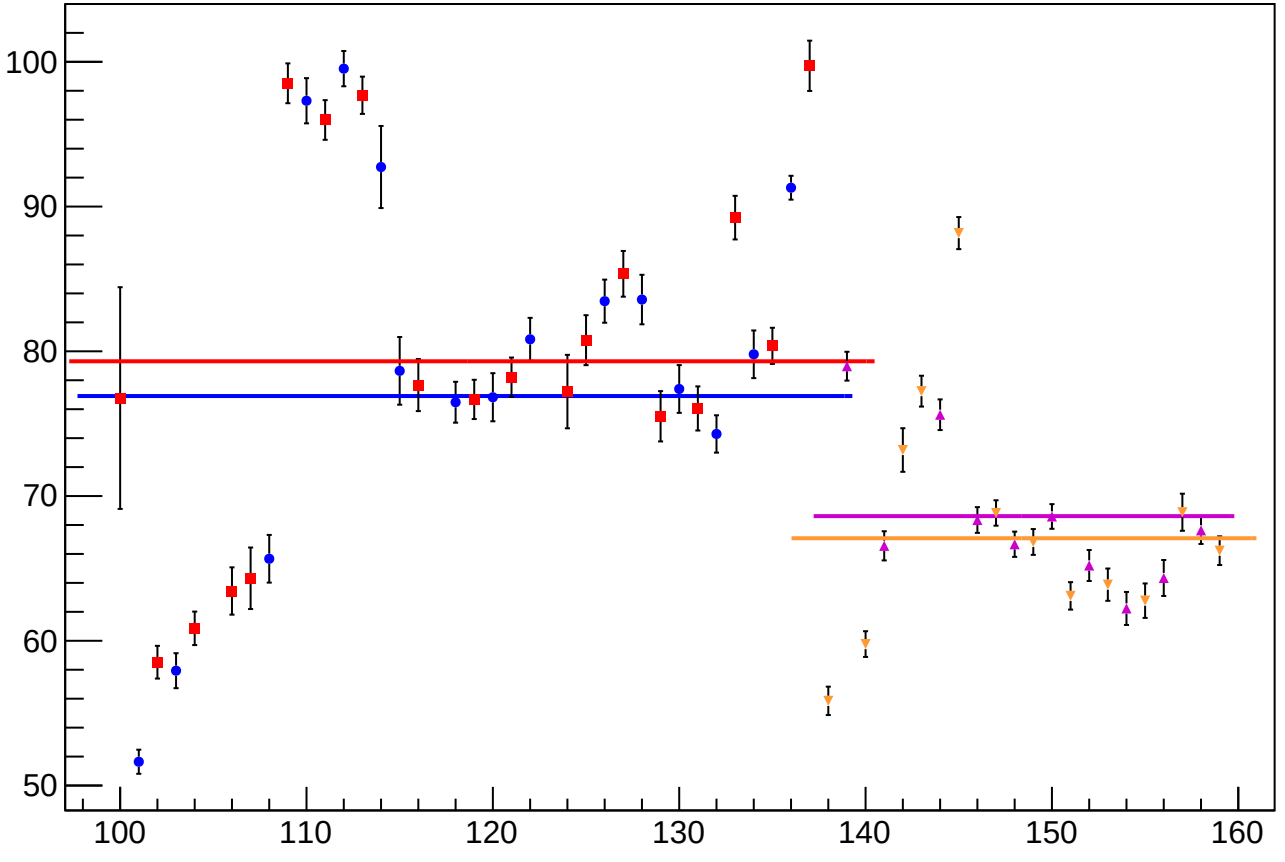
Left In: 2.708+/-0.213 χ^2/NDF:82.2/9

\+ sign 3.434+/-0.170 χ^2/NDF: 690.6/27

All: 3.541+/-0.123 χ^2/NDF: 1027.2/56

\- sign 3.657+/-0.178 χ^2/NDF: 335.8/28

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

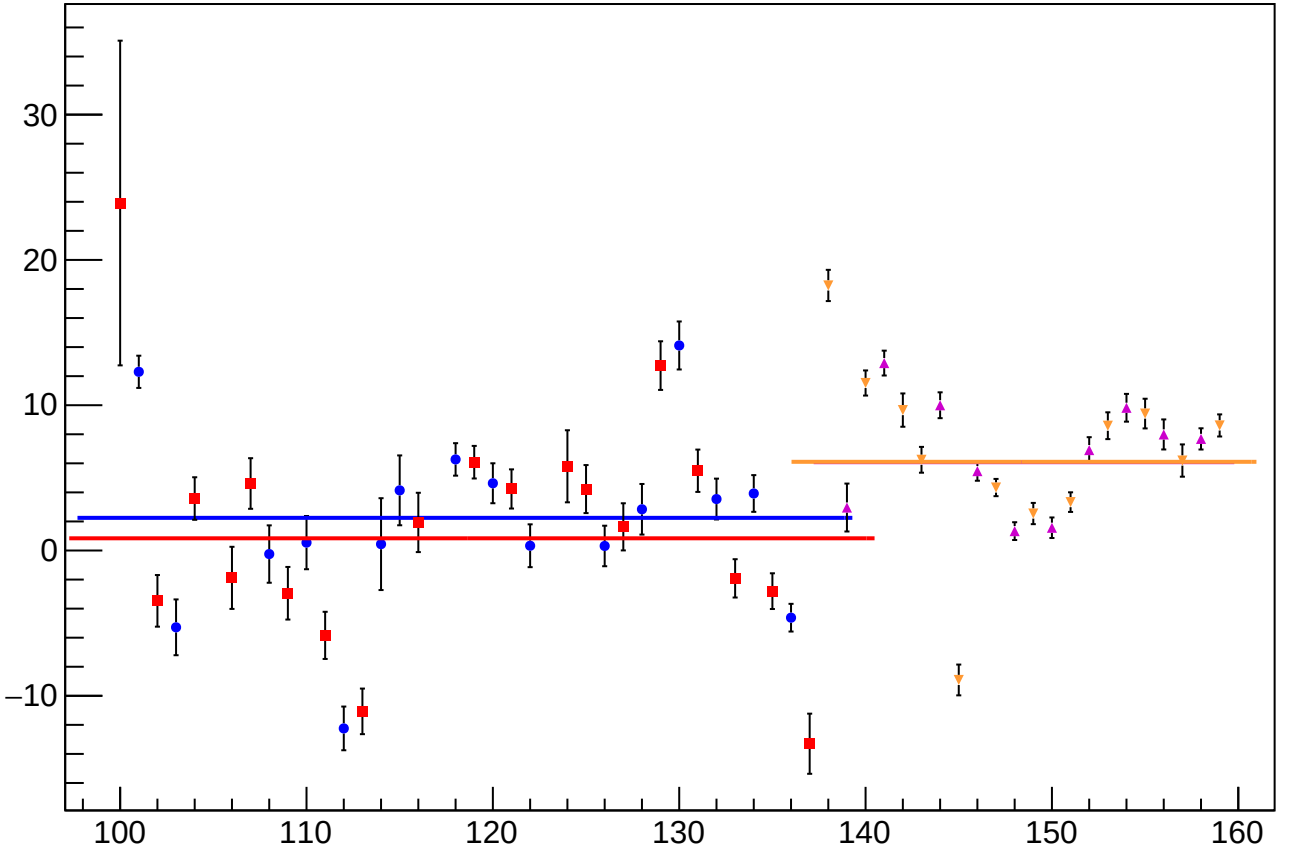
Left In: 68.612+/-0.312 χ^2/NDF:215.6/9

+ sign 71.402+/-0.223 χ^2/NDF: 3306.5/27

All: 72.354+/-0.161 χ^2/NDF: 5580.3/56

- sign 73.384+/-0.232 χ^2/NDF: 2235.9/28

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

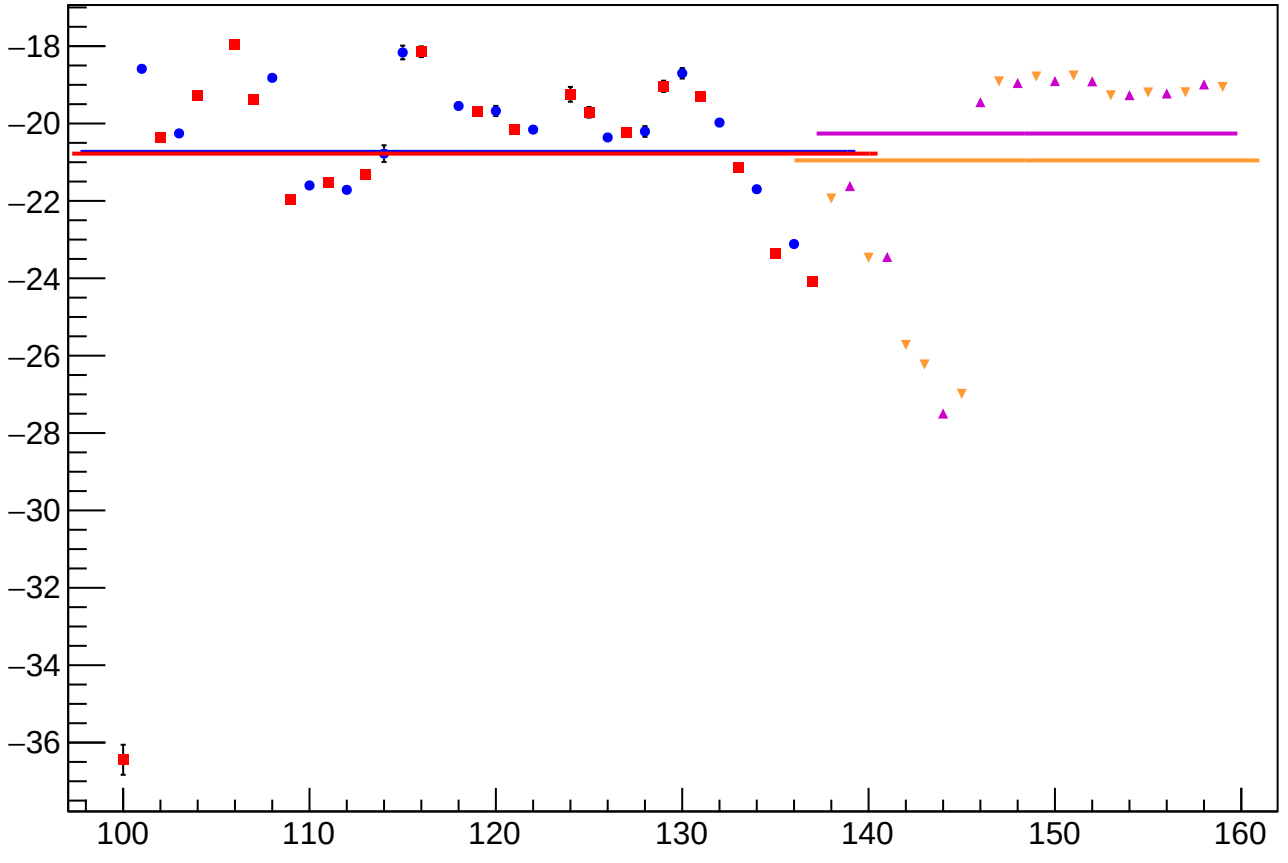
Left In: 6.079+/-0.257 χ^2/NDF:212.8/9

+ sign 4.900+/-0.203 χ^2/NDF: 852.6/27

All: 4.653+/-0.146 χ^2/NDF: 1458.9/56

- sign 4.385+/-0.212 χ^2/NDF: 603.1/28

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

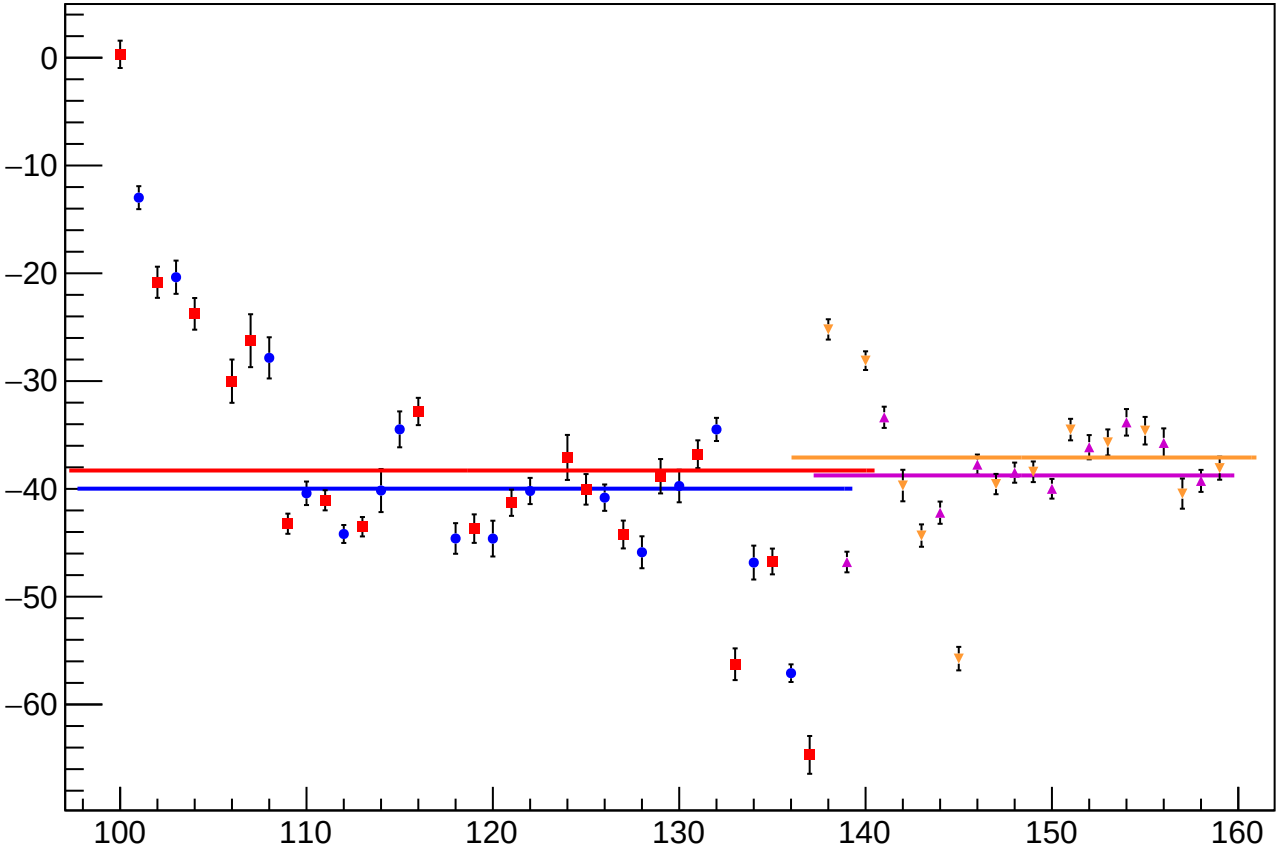
Left In: -20.259+/-0.012 χ^2/NDF:38155.5/9

+ sign -20.895+/-0.010 χ^2/NDF: 69685.3/27

All: -20.650+/-0.007 χ^2/NDF: 118989.8/56

- sign -20.393+/-0.010 χ^2/NDF: 48073.6/28

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

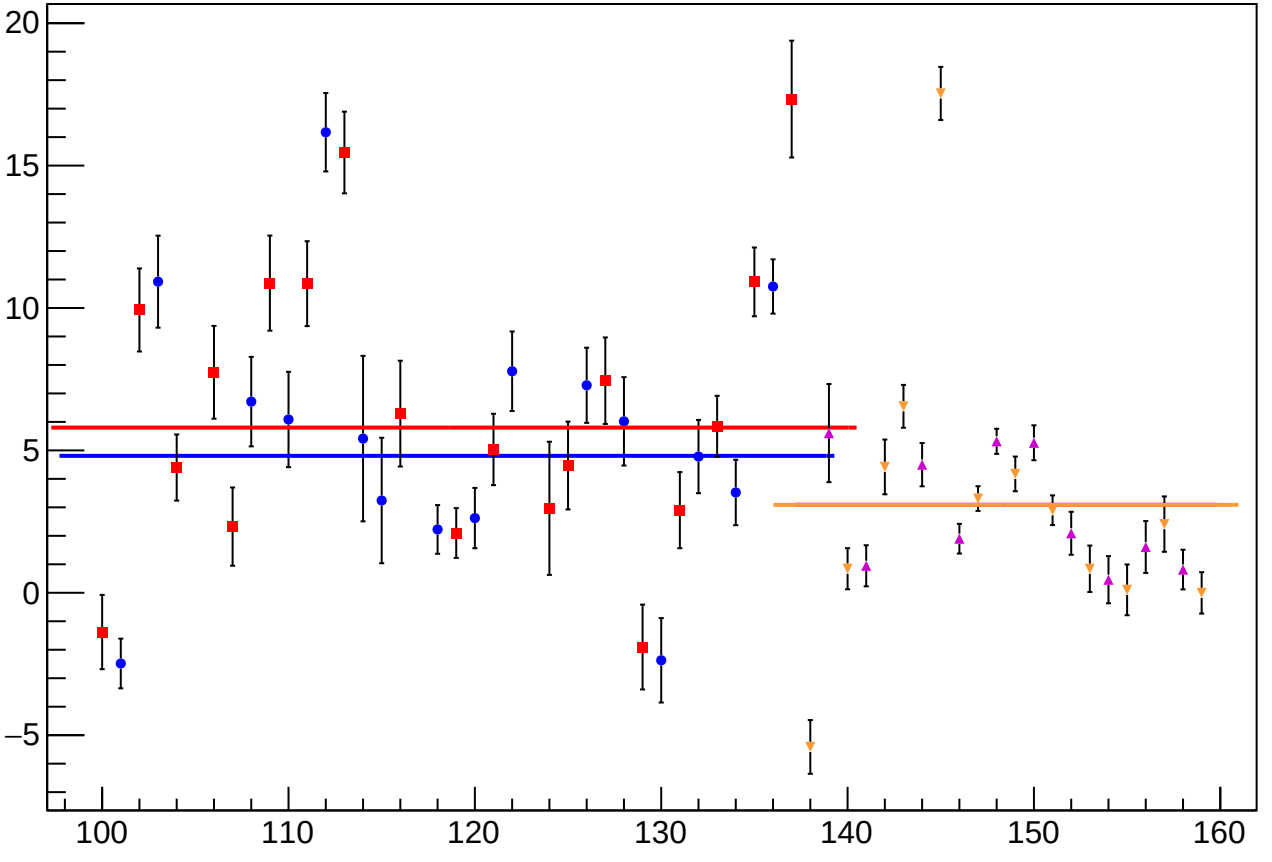
Left In: -38.752+/-0.324 χ^2/NDF:141.5/9

+ sign -38.516+/-0.219 χ^2/NDF: 2080.6/27

All: -38.511+/-0.155 χ^2/NDF: 3996.9/56

- sign -38.505+/-0.220 χ^2/NDF: 1916.3/28

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

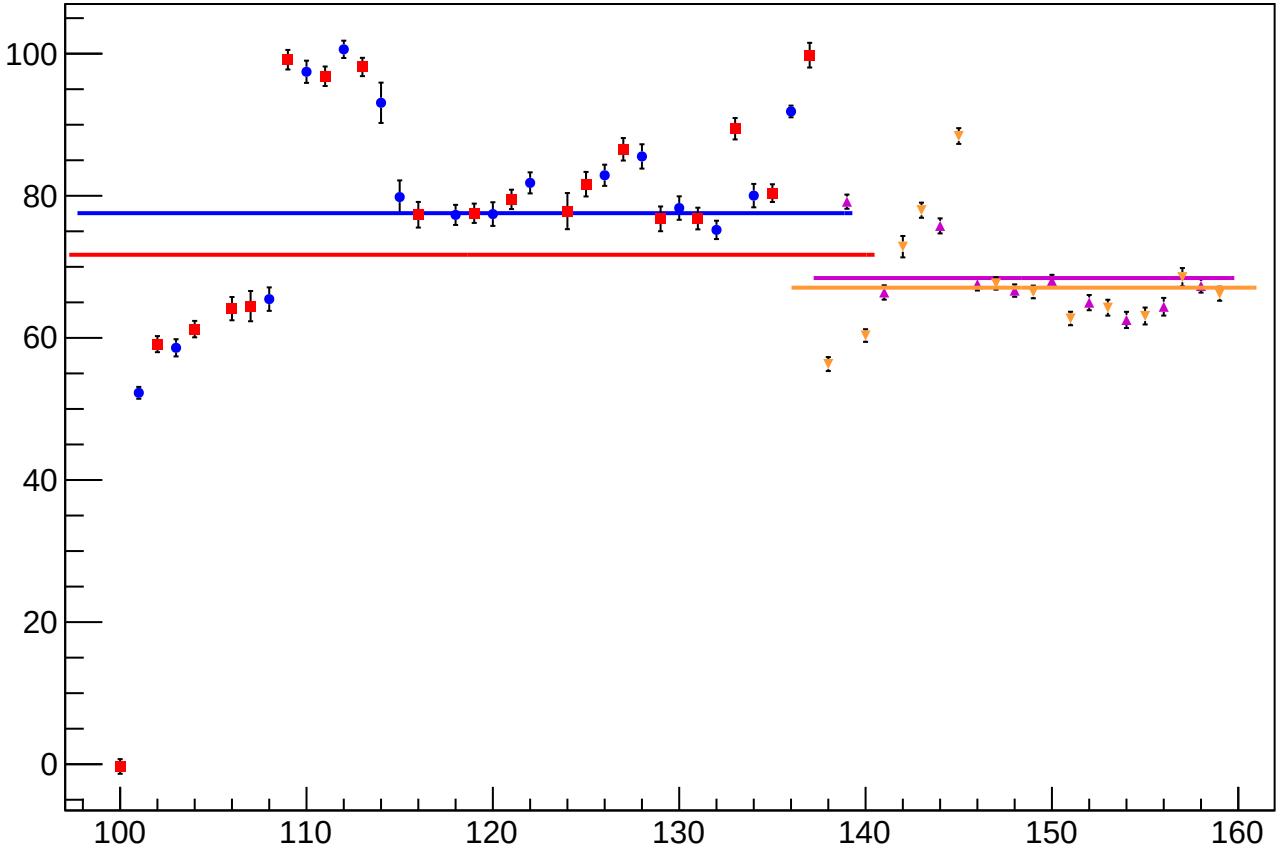
Left In: 3.091+/-0.213 χ^2/NDF:83.0/9

+ sign 3.587+/-0.170 χ^2/NDF: 655.7/27

All: 3.758+/-0.123 χ^2/NDF: 1008.1/56

- sign 3.943+/-0.177 χ^2/NDF: 350.2/28

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

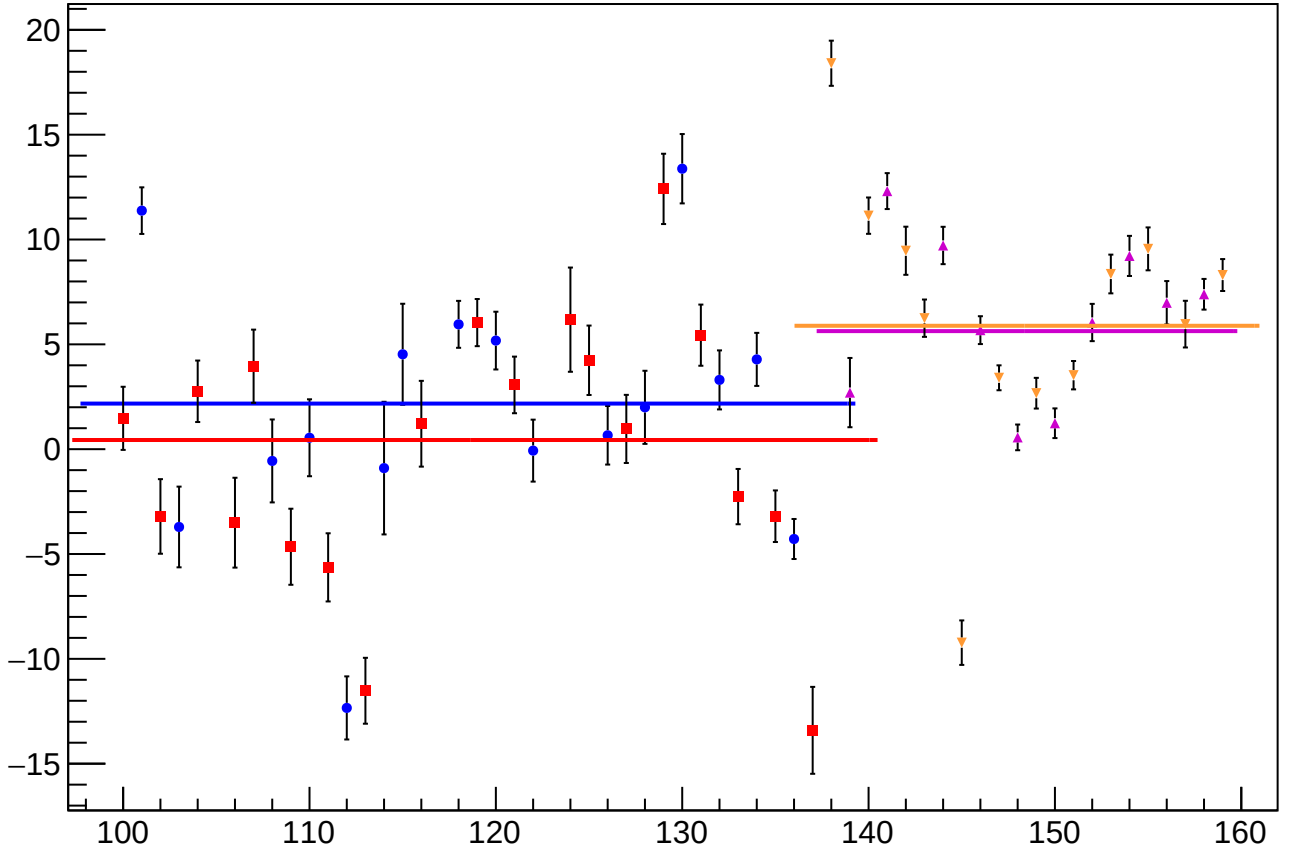
Left In: 68.424+/-0.313 χ^2/NDF:222.2/9

+ sign 71.677+/-0.224 χ^2/NDF: 3366.5/27

All: 70.837+/-0.159 χ^2/NDF: 10572.7/56

- sign 69.971+/-0.227 χ^2/NDF: 7177.6/28

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

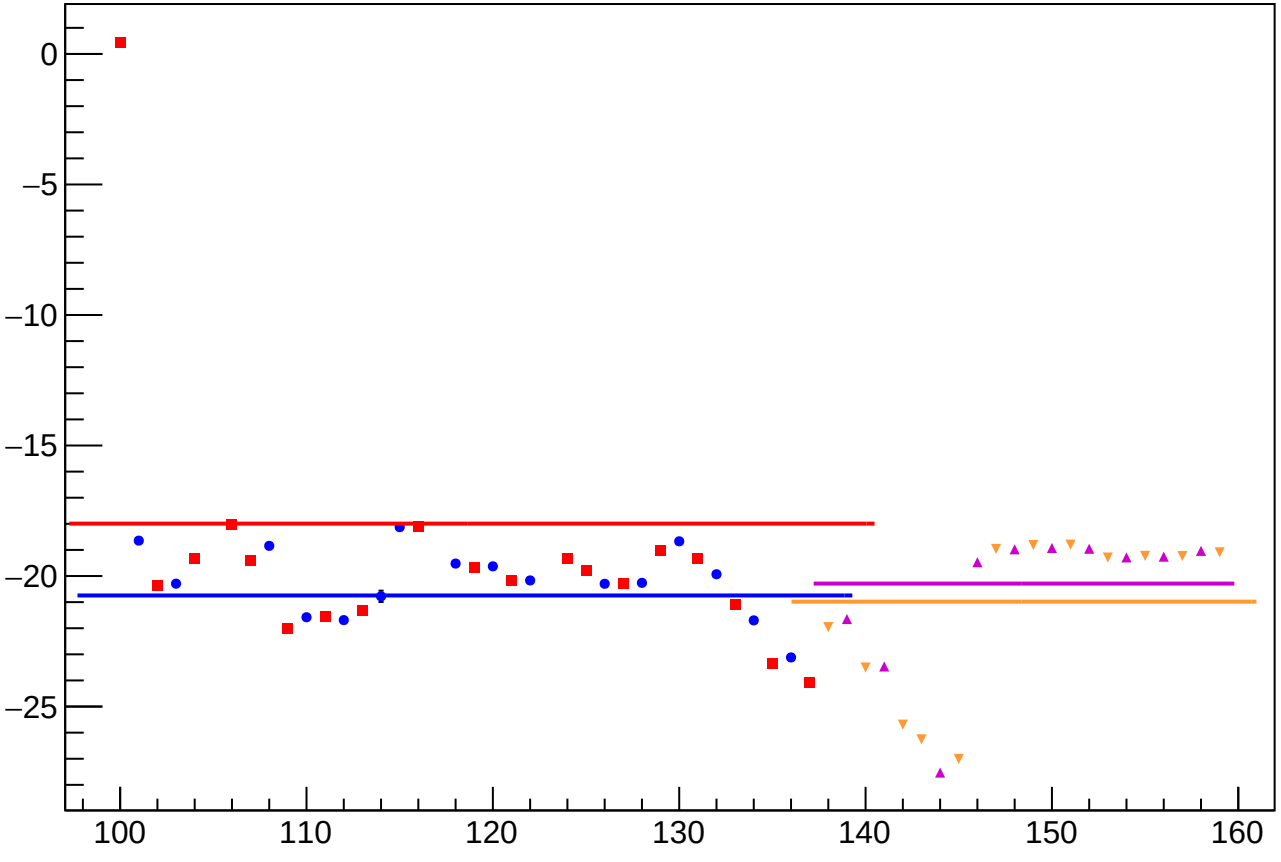
Left In: 5.631+/-0.258 χ^2/NDF:213.5/9

+ sign 4.726+/-0.203 χ^2/NDF: 825.7/27

All: 4.319+/-0.146 χ^2/NDF: 1438.3/56

- sign 3.885+/-0.210 χ^2/NDF: 604.3/28

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

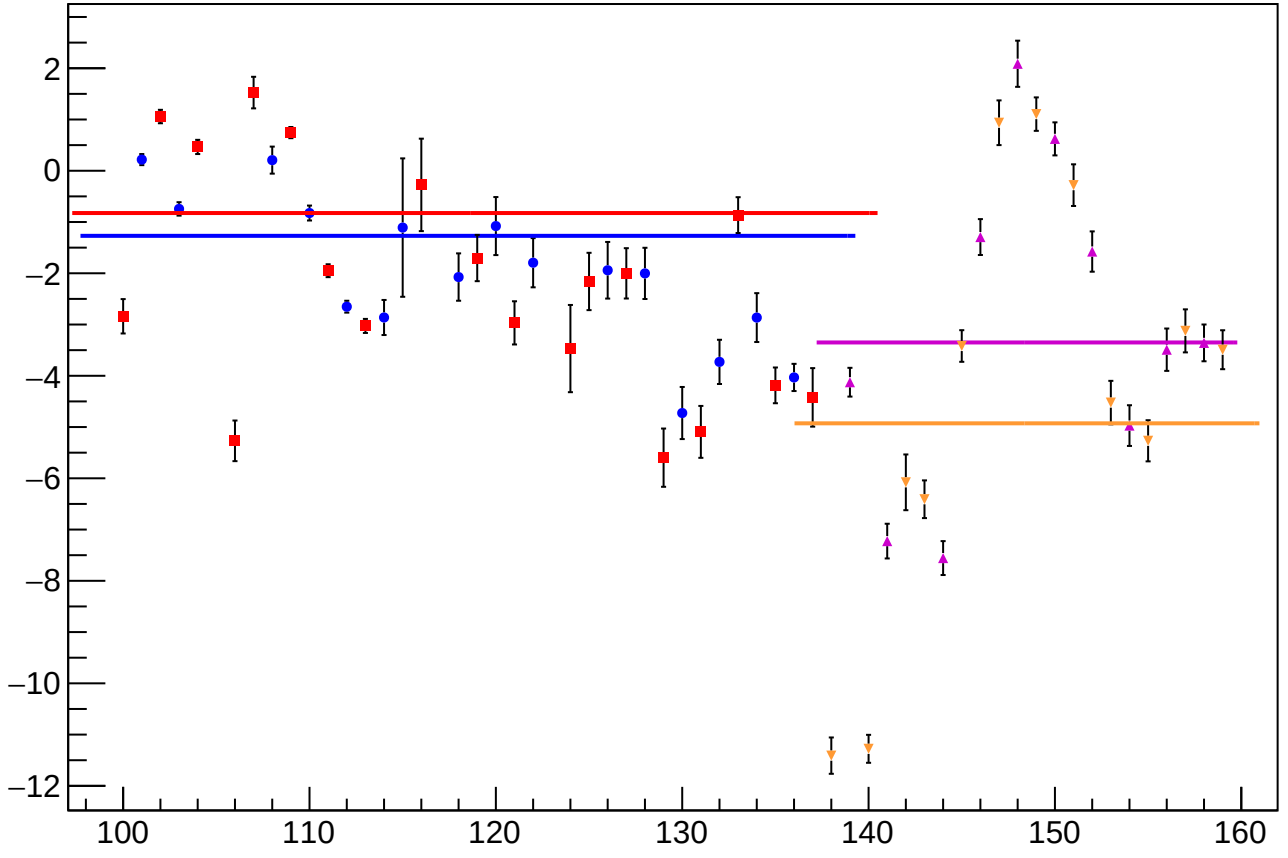
Left In: -20.289+/-0.012 χ^2/NDF:37984.0/9

+ sign -20.919+/-0.010 χ^2/NDF: 69096.2/27

All: -20.283+/-0.007 χ^2/NDF: 276431.5/56

- sign -19.635+/-0.010 χ^2/NDF: 199145.2/28

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

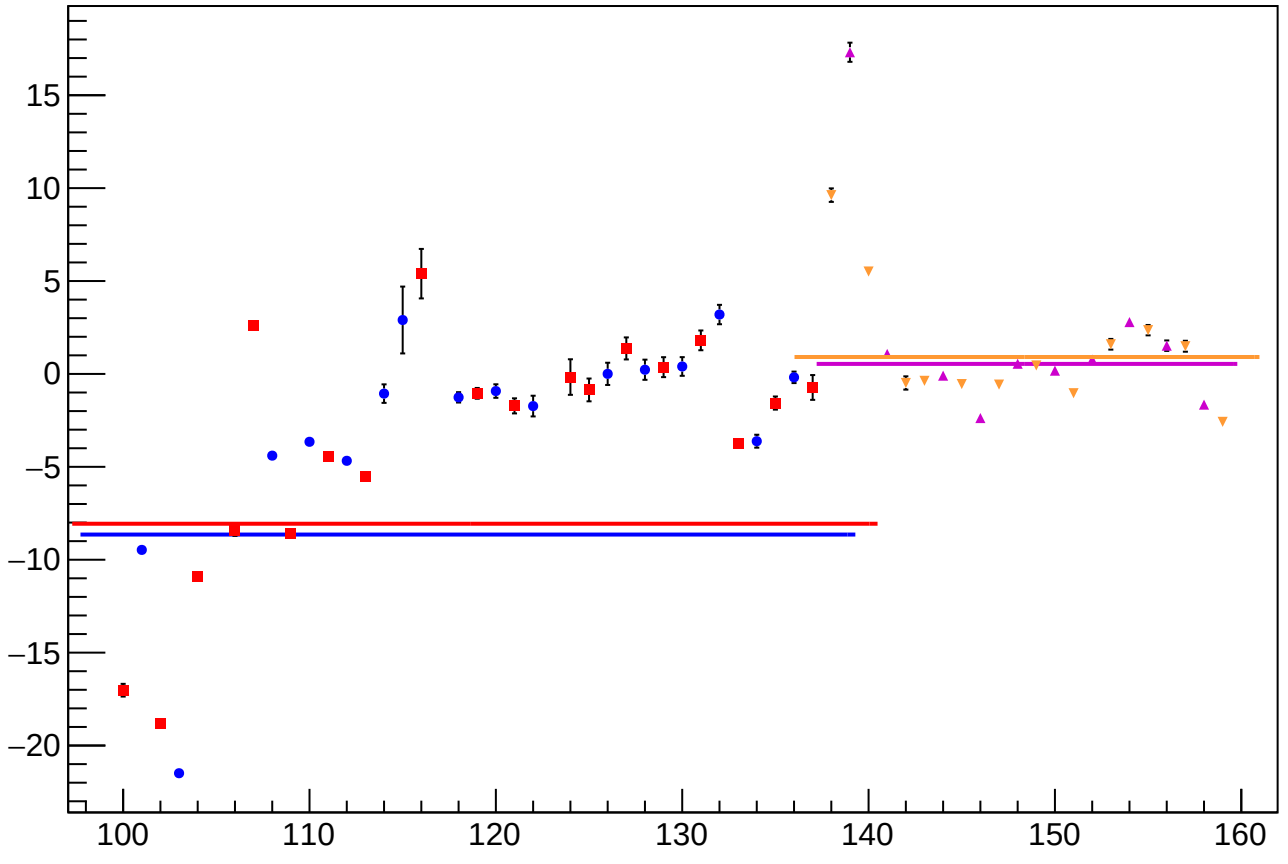
Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -3.350+/-0.112 χ^2/NDF:669.8/9

+ sign -2.026+/-0.049 χ^2/NDF: 3156.4/27

All: -1.626+/-0.034 χ^2/NDF: 5761.8/56

- sign -1.259+/-0.046 χ^2/NDF: 2475.0/28



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

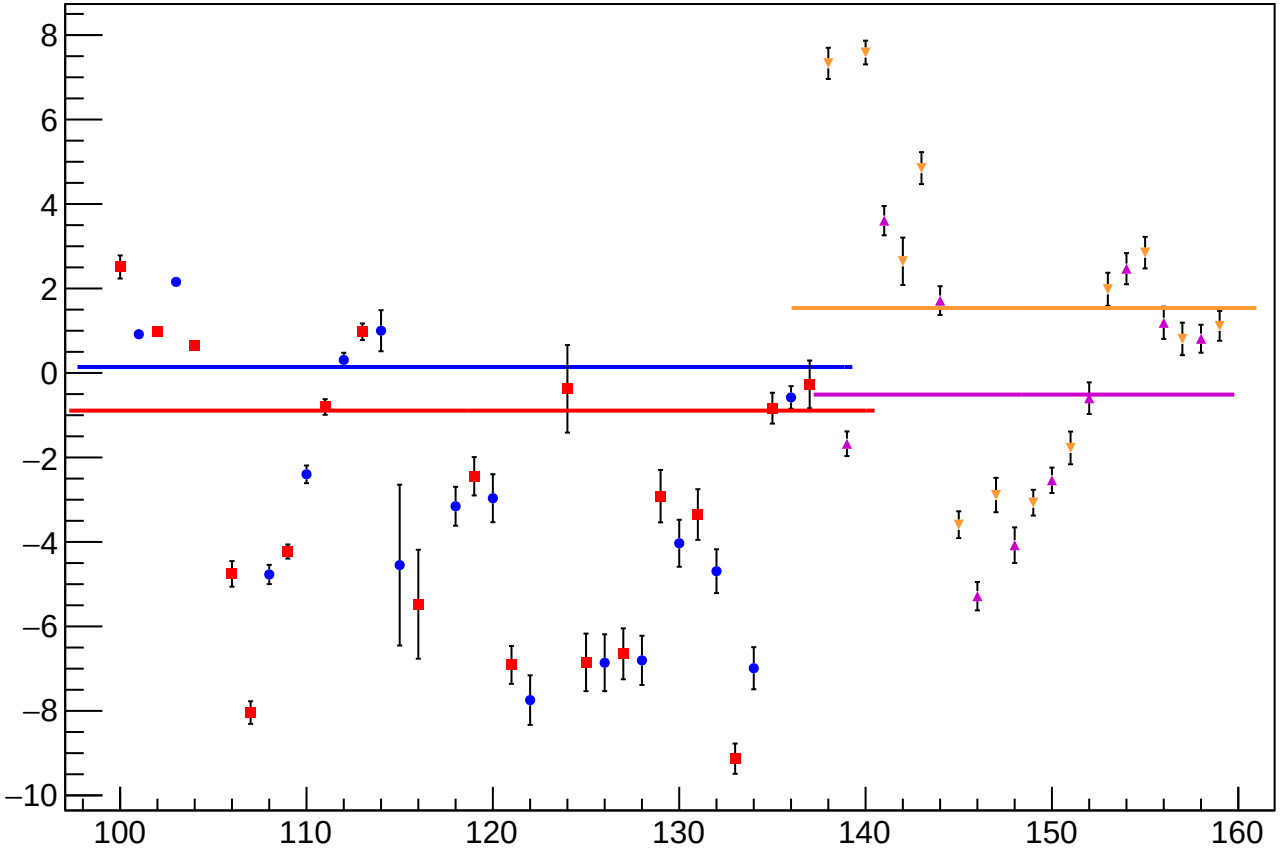
Left In: 0.540+/-0.079 χ^2/NDF:1425.2/9

\+ sign -5.112+/-0.045 χ^2/NDF: 25635.8/27

All: -5.109+/-0.032 χ^2/NDF: 49181.1/56

\- sign -5.106+/-0.047 χ^2/NDF: 23545.4/28

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

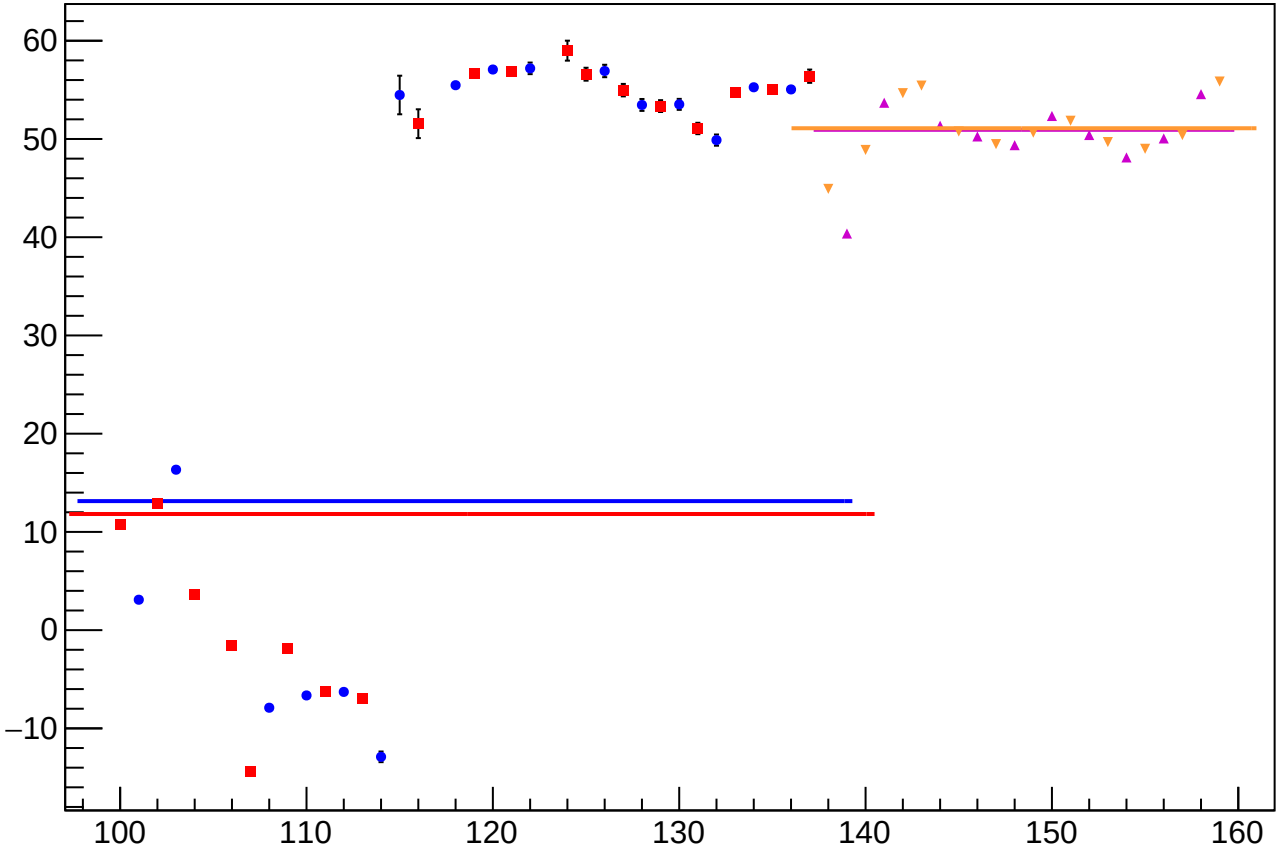
Left In: -0.512+/-0.109 χ^2/NDF:619.0/9

+ sign 0.428+/-0.047 χ^2/NDF: 3594.3/27

All: -0.183+/-0.034 χ^2/NDF: 7550.0/56

- sign -0.817+/-0.048 χ^2/NDF: 3614.5/28

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

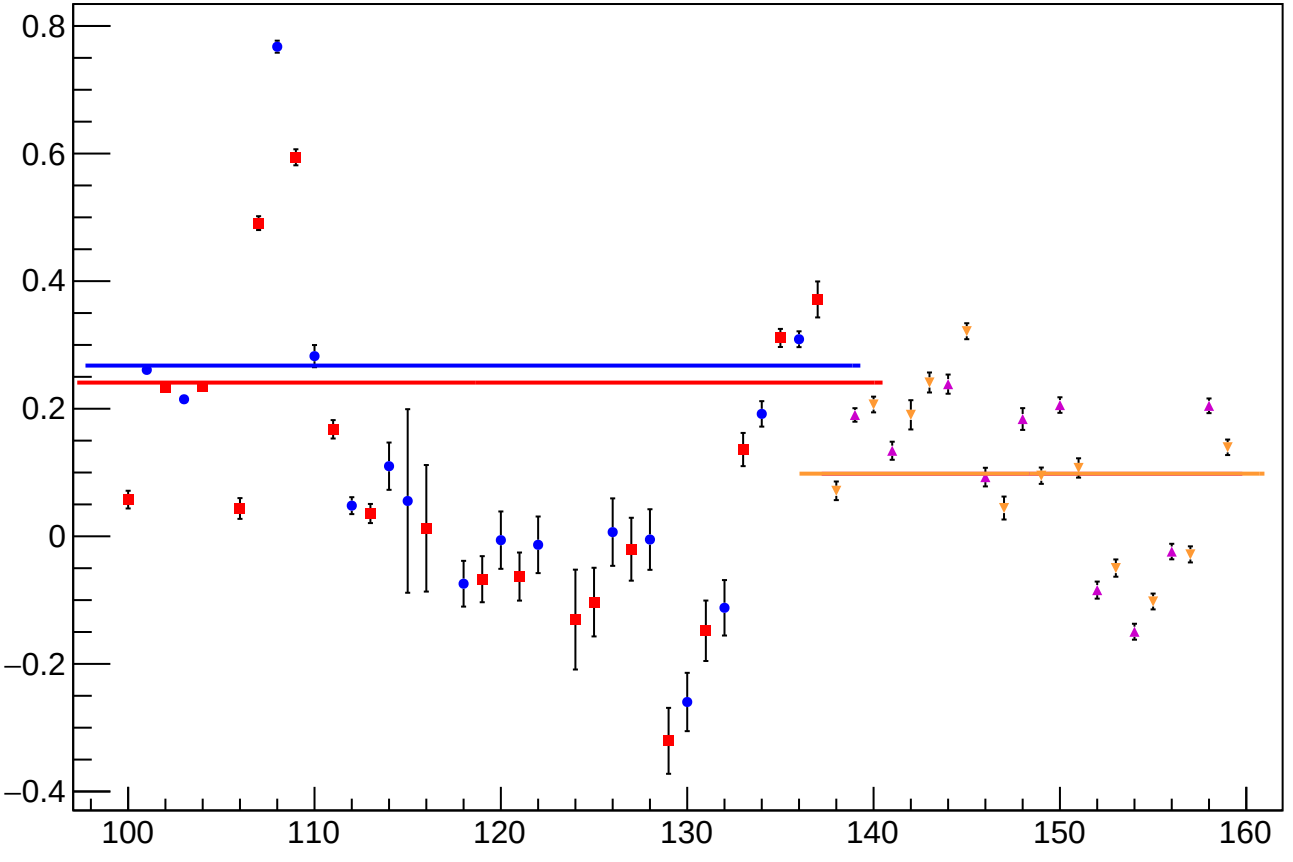
Left In: 50.935+/-0.093 χ^2/NDF:901.9/9

+ sign 27.281+/-0.054 χ^2/NDF: 225850.9/27

All: 26.336+/-0.038 χ^2/NDF: 460523.7/56

- sign 25.354+/-0.055 χ^2/NDF: 234043.9/28

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

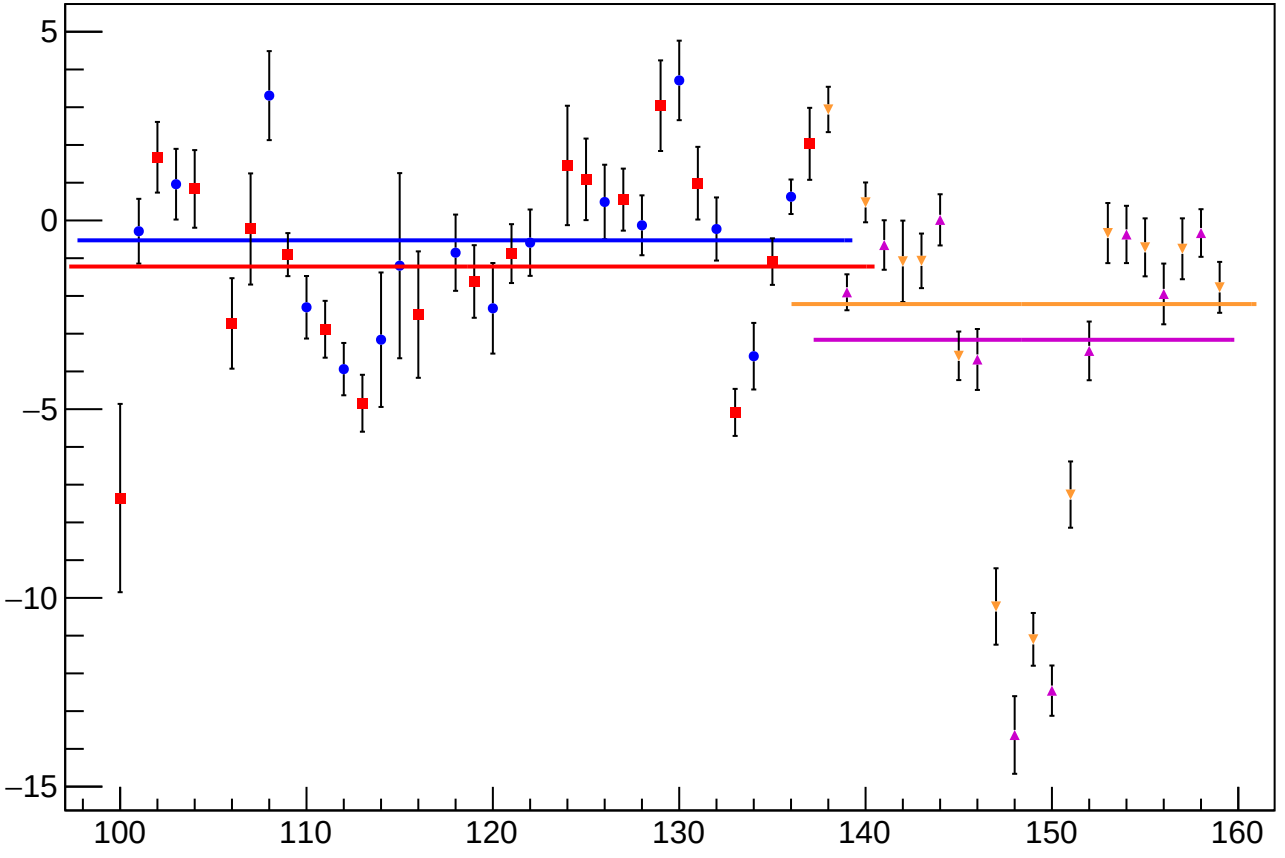
Left In: 0.098+/-0.004 χ^2/NDF:1038.4/9

+ sign 0.212+/-0.002 χ^2/NDF: 5922.9/27

All: 0.204+/-0.002 χ^2/NDF: 10163.8/56

- sign 0.197+/-0.002 χ^2/NDF: 4217.6/28

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

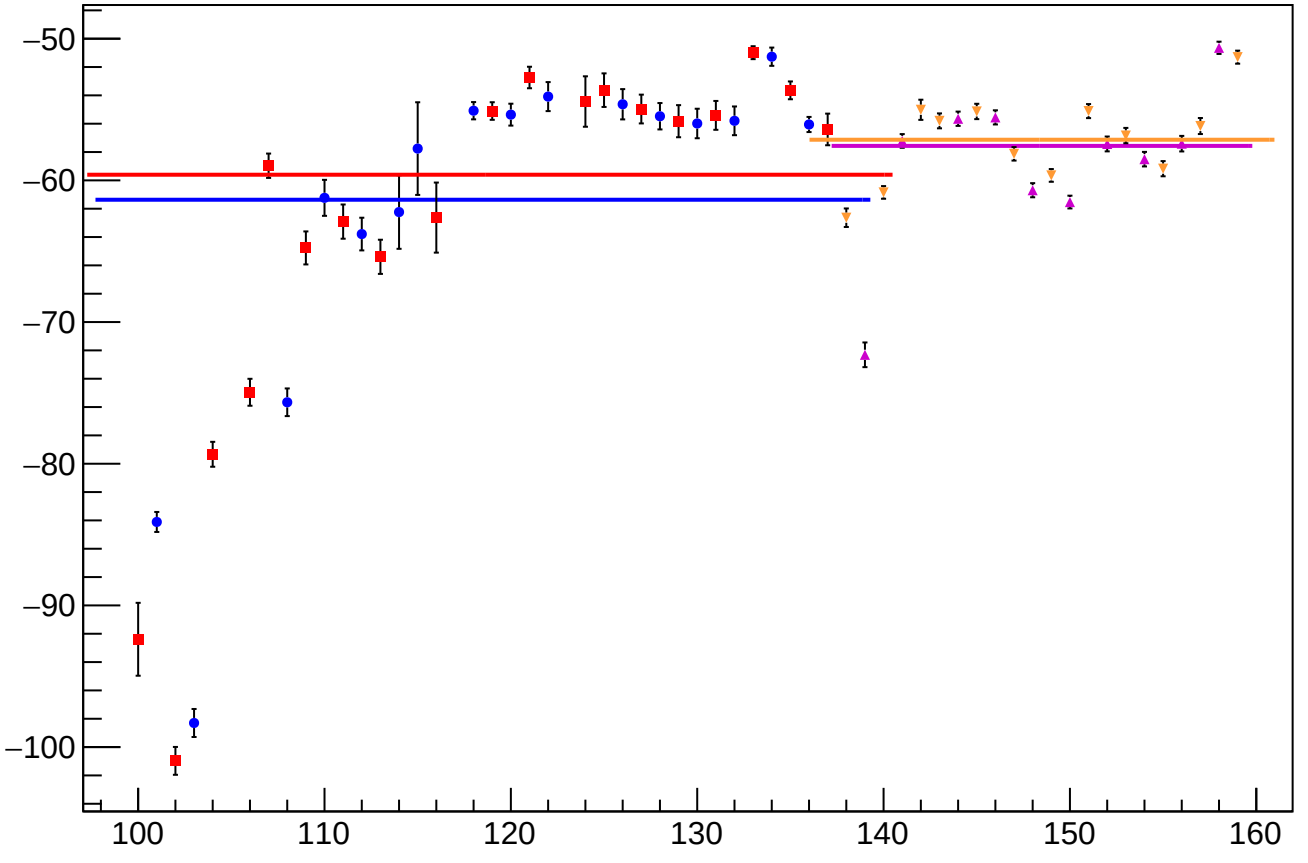
Left In: -3.162+/-0.218 χ^2/NDF:378.3/9

+ sign -1.403+/-0.151 χ^2/NDF: 492.4/27

All: -1.770+/-0.106 χ^2/NDF: 1055.6/56

- sign -2.131+/-0.149 χ^2/NDF: 551.4/28

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

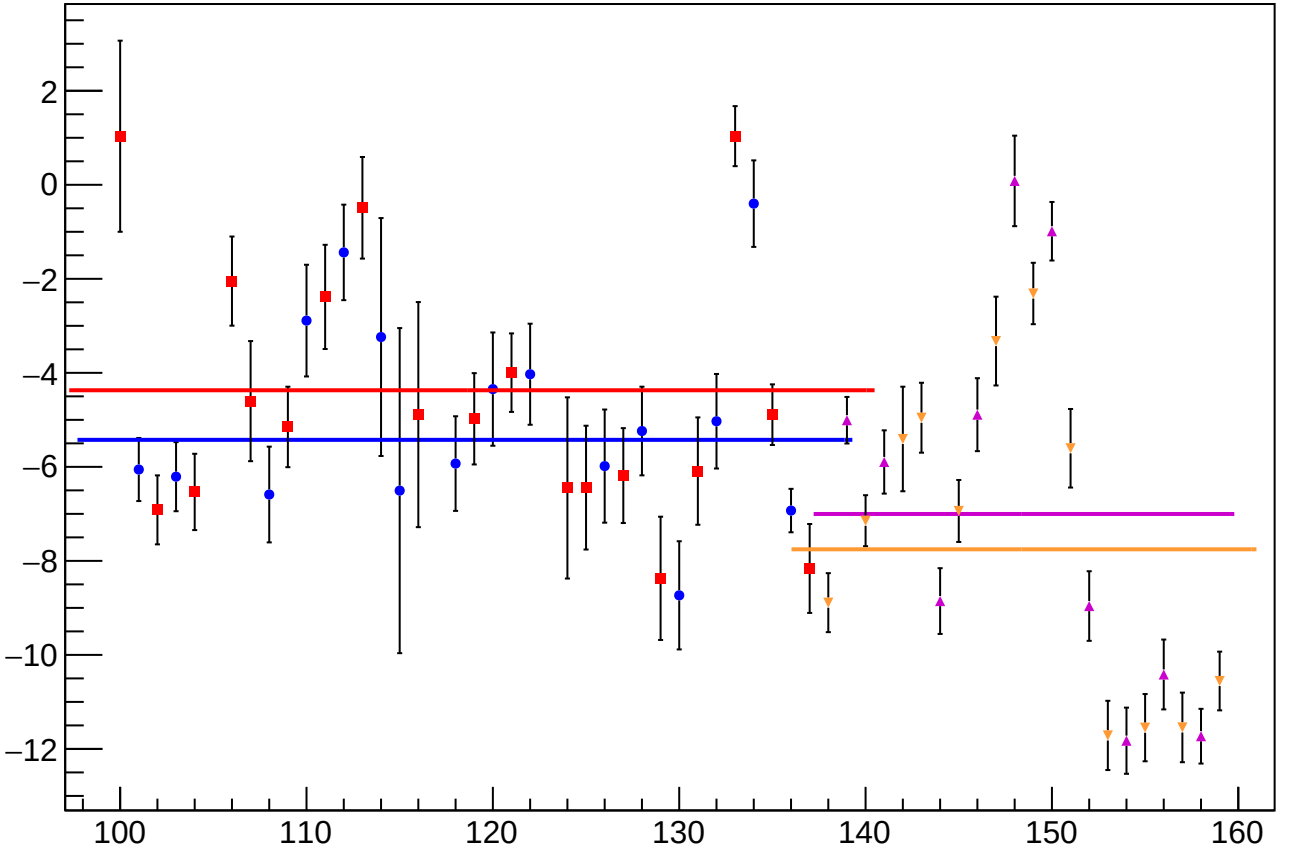
Left In: -57.566+/-0.161 χ^2/NDF:693.8/9

+ sign -58.482+/-0.124 χ^2/NDF: 4005.5/27

All: -58.411+/-0.089 χ^2/NDF: 8181.6/56

- sign -58.335+/-0.127 χ^2/NDF: 4175.4/28

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

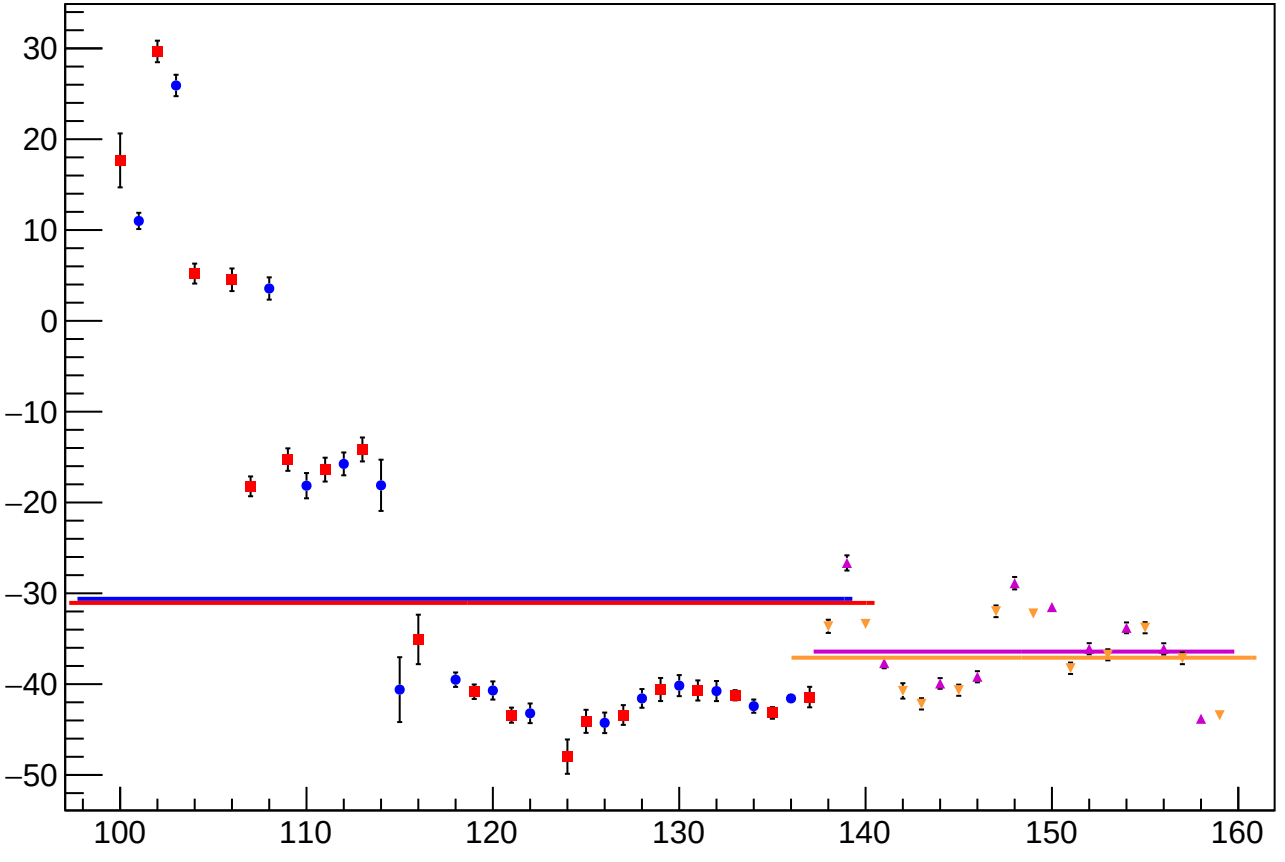
Left In: -7.002+/-0.212 χ^2/NDF:321.8/9

+ sign -6.726+/-0.153 χ^2/NDF: 359.3/27

All: -6.240+/-0.108 χ^2/NDF: 931.4/56

- sign -5.750+/-0.153 χ^2/NDF: 551.8/28

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

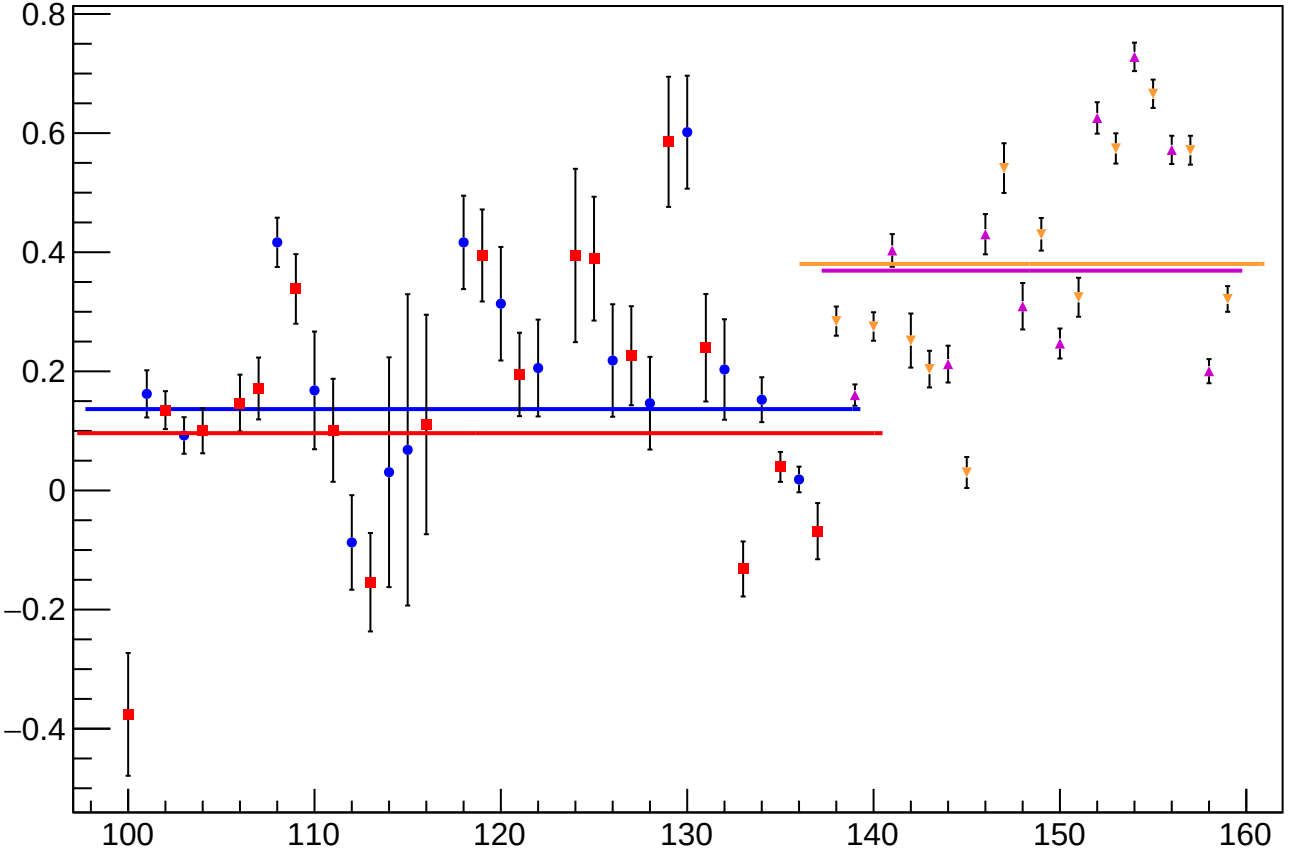
Left In: -36.418+/-0.186 χ^2/NDF:692.0/9

+ sign -34.940+/-0.144 χ^2/NDF: 7930.3/27

All: -34.664+/-0.103 χ^2/NDF: 15921.2/56

- sign -34.376+/-0.147 χ^2/NDF: 7983.4/28

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

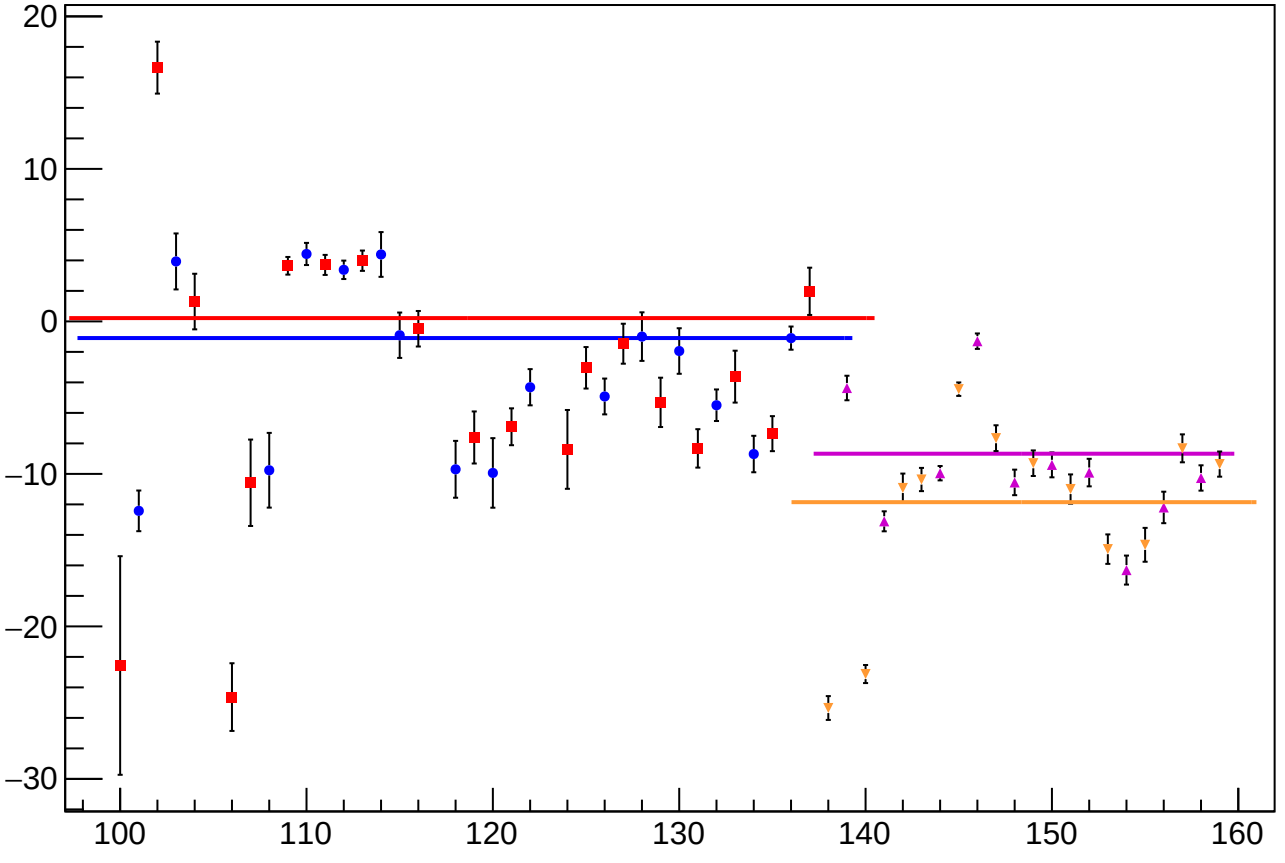
Left In: 0.369+/-0.008 χ^2/NDF:655.5/9

+ sign 0.312+/-0.007 χ^2/NDF: 952.7/27

All: 0.301+/-0.005 χ^2/NDF: 2108.1/56

- sign 0.290+/-0.007 χ^2/NDF: 1149.7/28

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

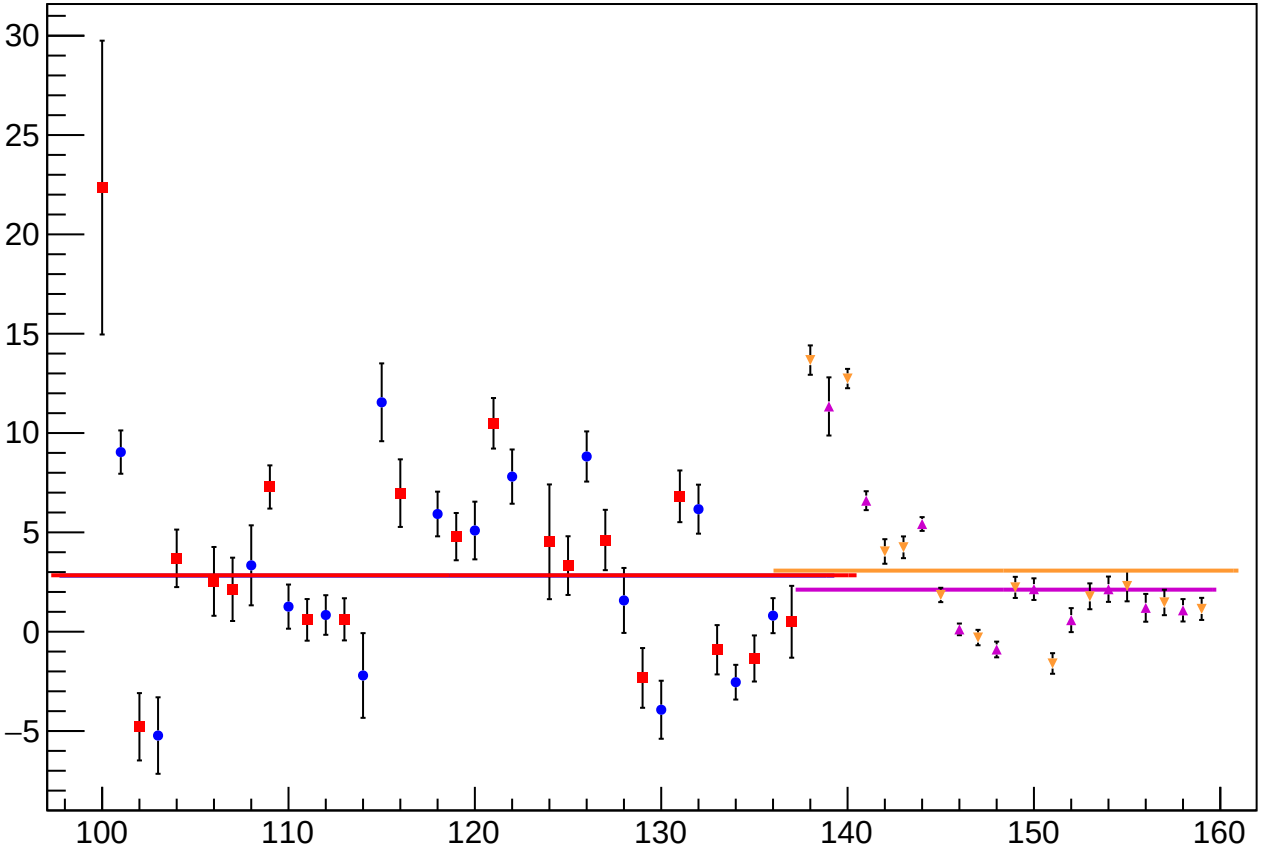
Left In: -8.676+/-0.224 χ^2/NDF:381.3/9

+ sign -7.786+/-0.172 χ^2/NDF: 2269.1/27

All: -6.379+/-0.122 χ^2/NDF: 3956.8/56

- sign -4.989+/-0.171 χ^2/NDF: 1555.3/28

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

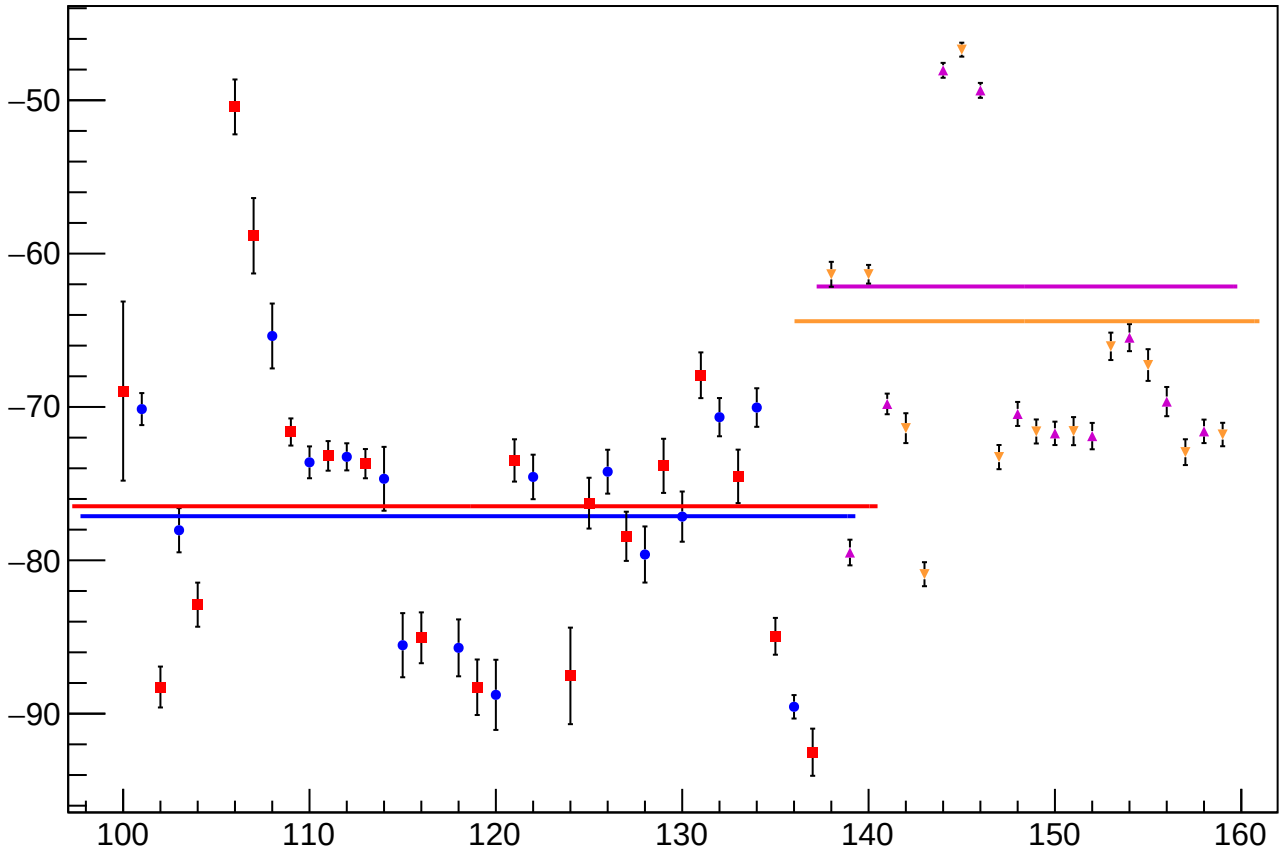
Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.116+/-0.149 χ^2/NDF:334.8/9

+ sign 3.027+/-0.137 χ^2/NDF: 1001.3/27

All: 2.632+/-0.096 χ^2/NDF: 1501.7/56

- sign 2.244+/-0.135 χ^2/NDF: 483.9/28



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -64.409+/-0.216 χ^2/NDF:2524.2/11

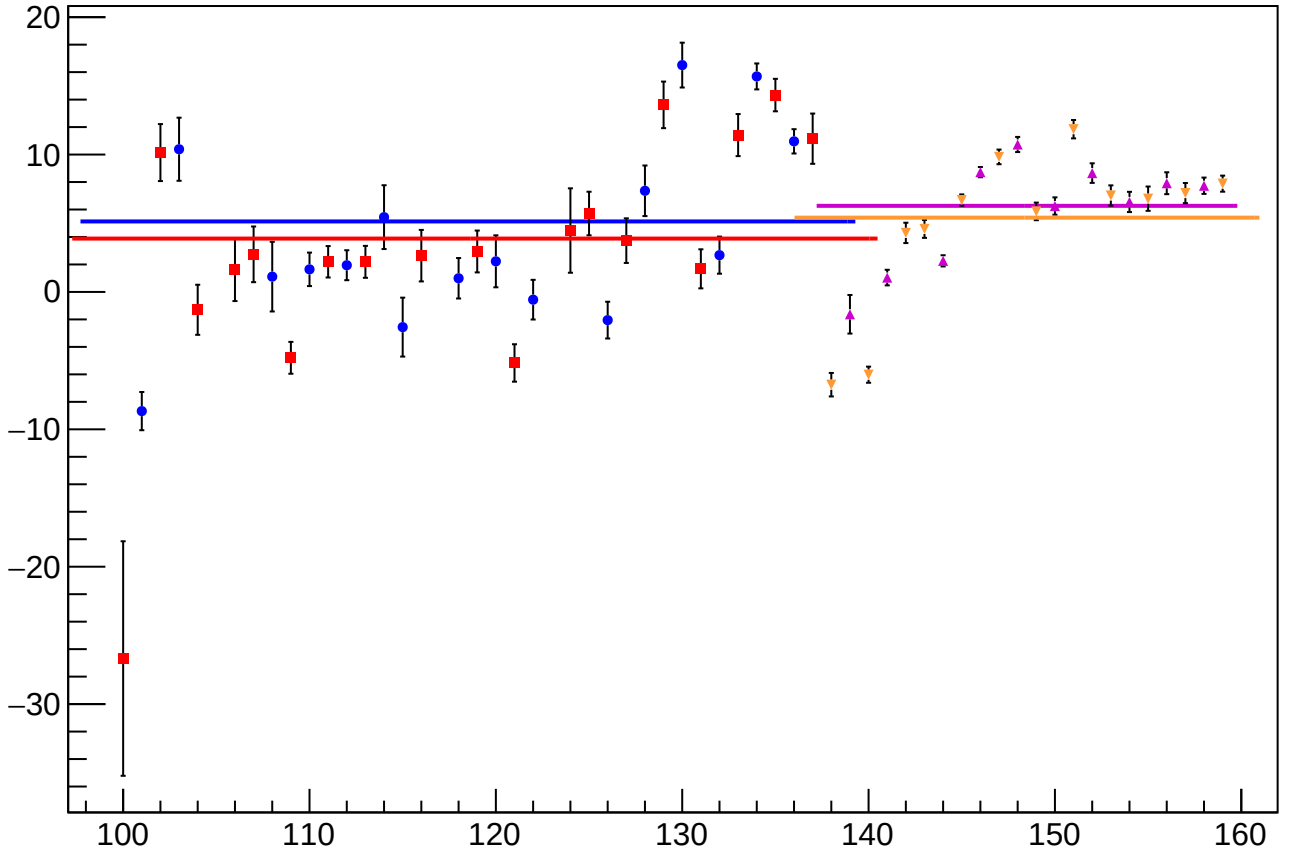
Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -62.144+/-0.219 χ^2/NDF:2717.1/9

+ sign -68.281+/-0.180 χ^2/NDF: 4083.5/27

All: -67.425+/-0.128 χ^2/NDF: 8860.4/56

- sign -66.549+/-0.182 χ^2/NDF: 4731.2/28



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

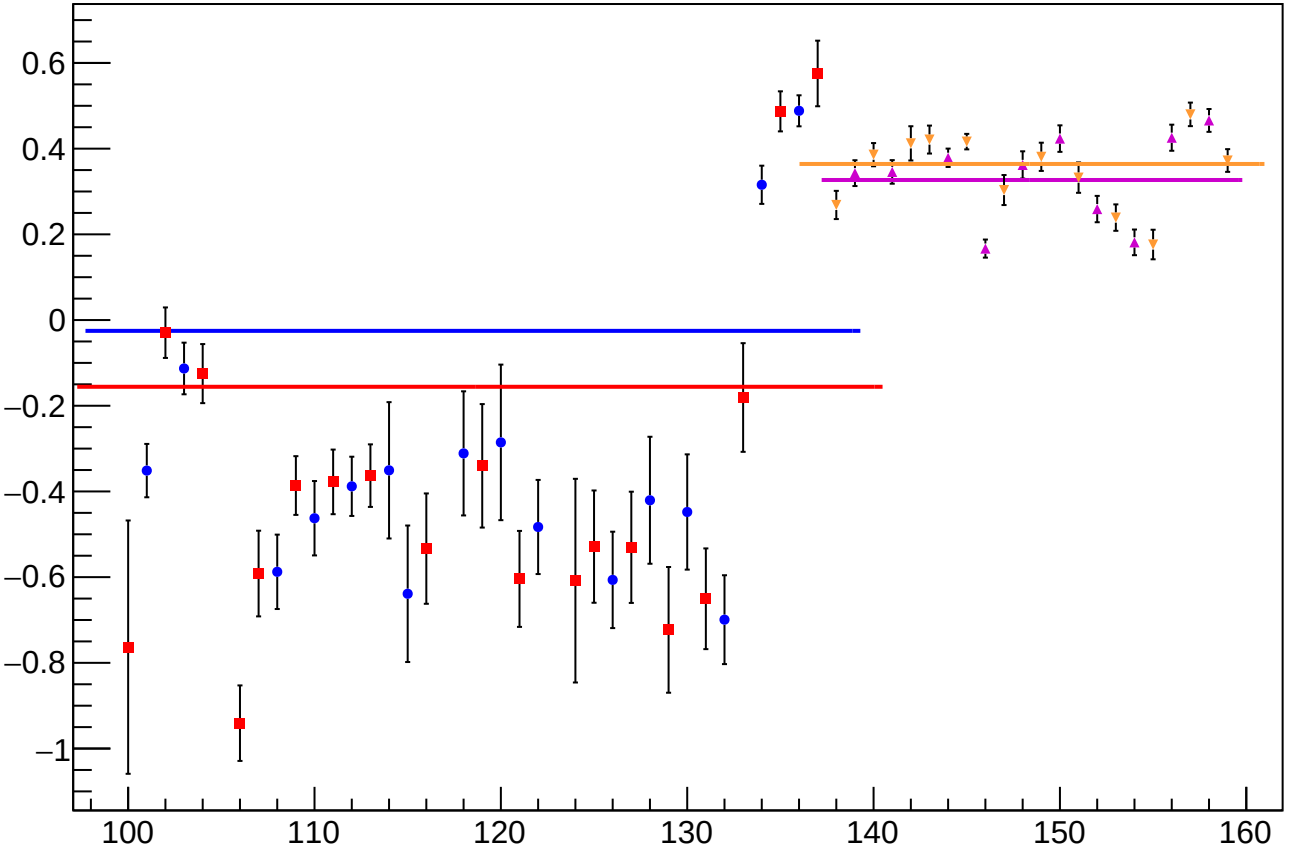
Left In: 6.268+/-0.180 χ^2/NDF:343.8/9

+ sign 5.349+/-0.161 χ^2/NDF: 1201.3/27

All: 5.572+/-0.114 χ^2/NDF: 1875.2/56

- sign 5.795+/-0.161 χ^2/NDF: 670.1/28

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

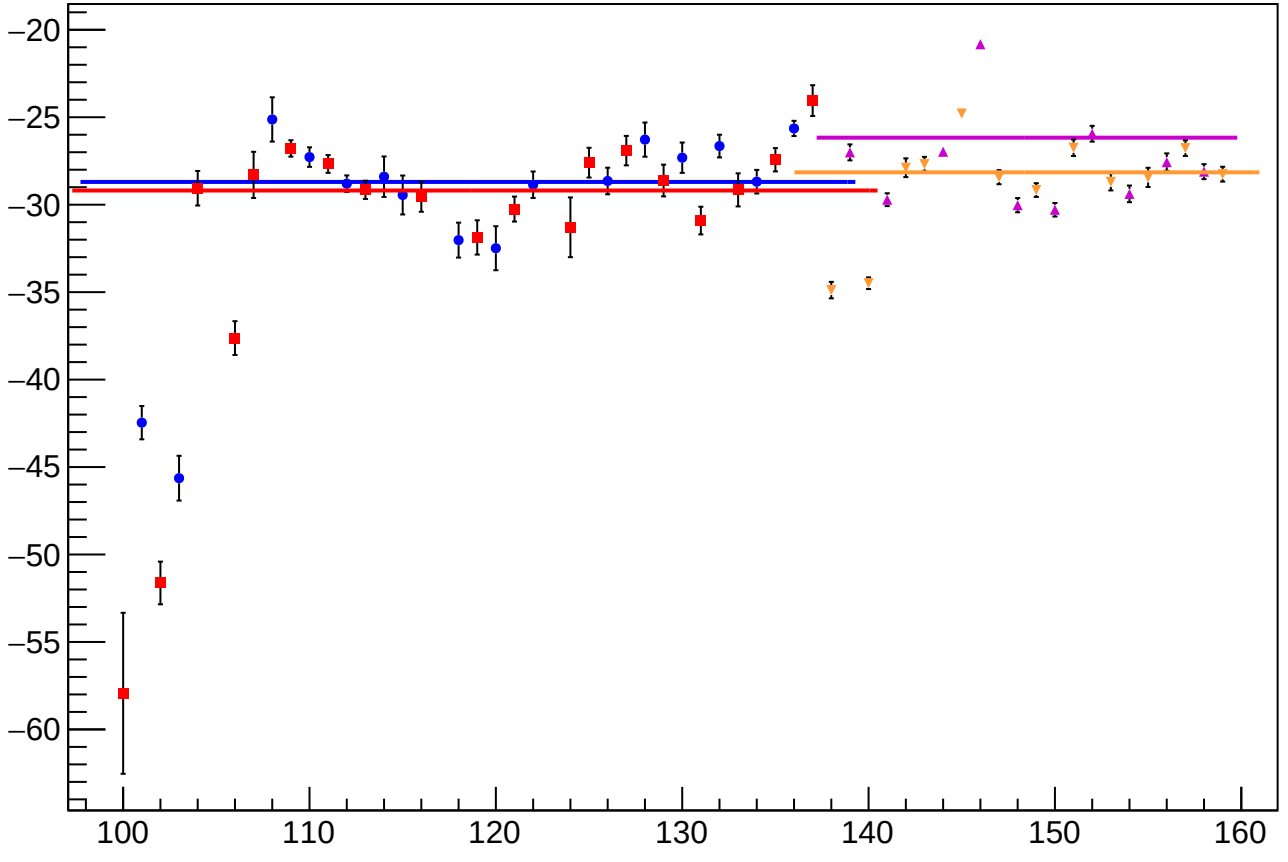
Left In: 0.327+/-0.009 χ^2/NDF:141.3/9

+ sign 0.300+/-0.008 χ^2/NDF: 955.4/27

All: 0.277+/-0.006 χ^2/NDF: 2092.4/56

- sign 0.253+/-0.008 χ^2/NDF: 1119.0/28

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

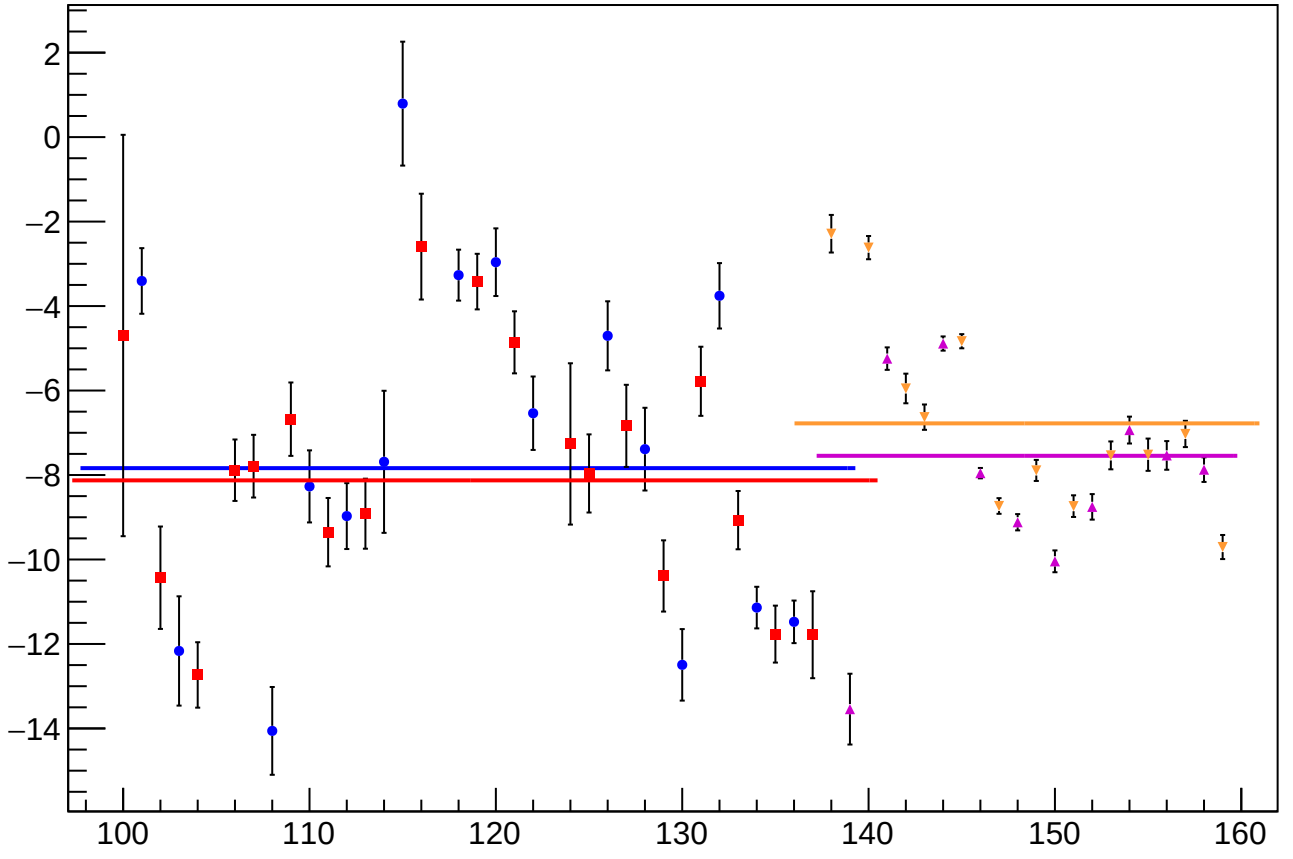
Left In: -26.169+/-0.108 χ^2/NDF:1057.3/9

+ sign -28.292+/-0.095 χ^2/NDF: 1360.7/27

All: -27.607+/-0.066 χ^2/NDF: 3282.5/56

- sign -26.956+/-0.093 χ^2/NDF: 1820.0/28

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

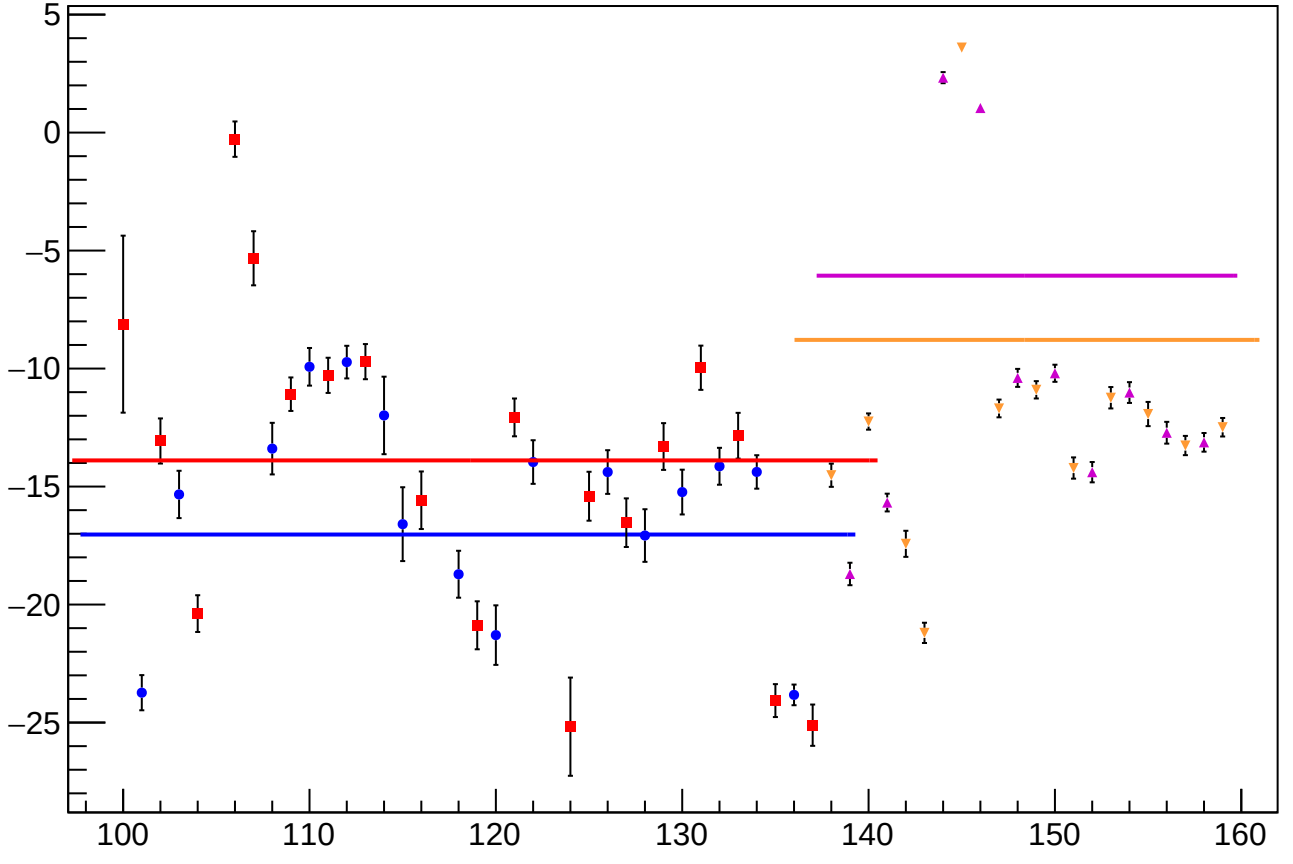
Left In: -7.545+/-0.071 χ^2/NDF:567.7/9

+ sign -6.918+/-0.071 χ^2/NDF: 1185.0/27

All: -7.287+/-0.049 χ^2/NDF: 2008.7/56

- sign -7.612+/-0.066 χ^2/NDF: 772.8/28

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

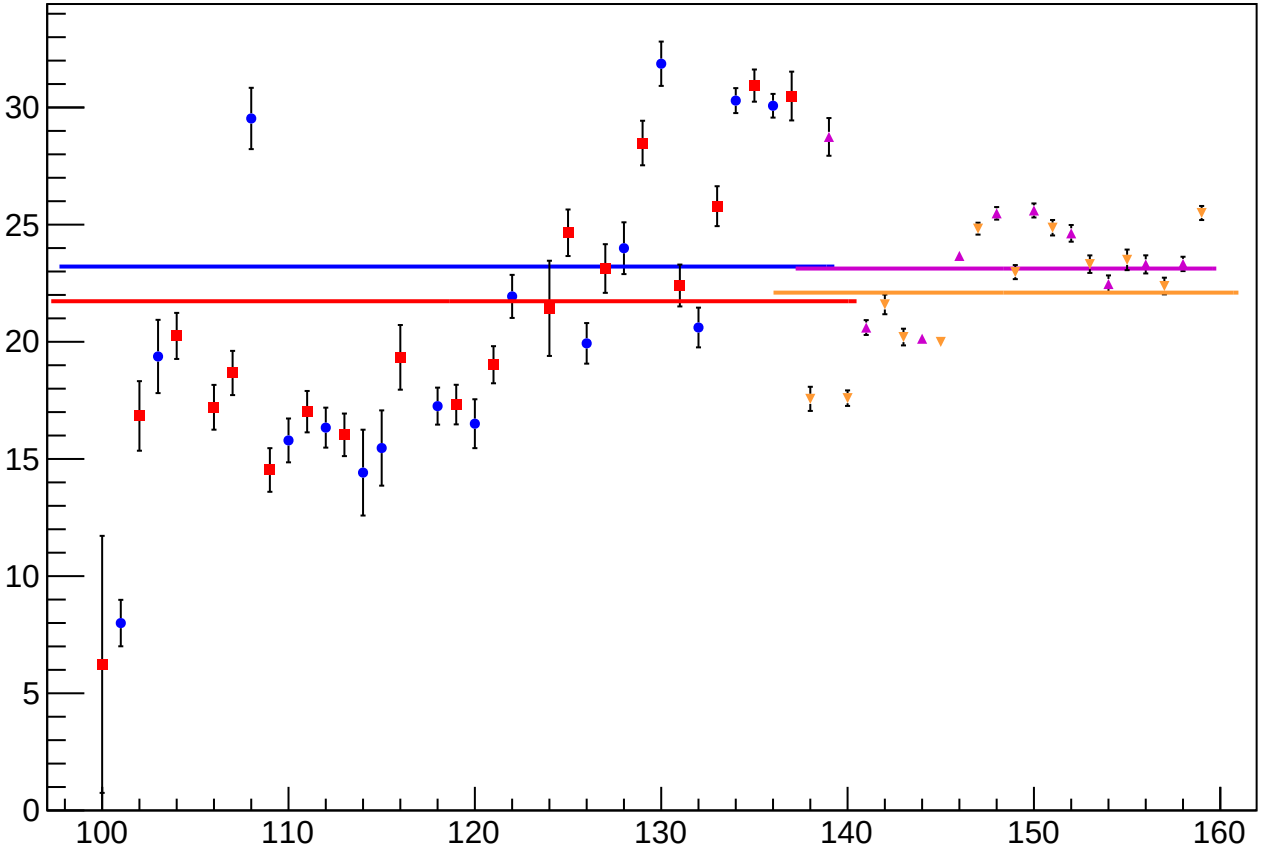
Left In: -6.064+/-0.105 χ^2/NDF:5198.7/9

+ sign -10.531+/-0.096 χ^2/NDF: 7203.0/27

All: -9.042+/-0.067 χ^2/NDF: 15002.4/56

- sign -7.632+/-0.094 χ^2/NDF: 7334.4/28

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

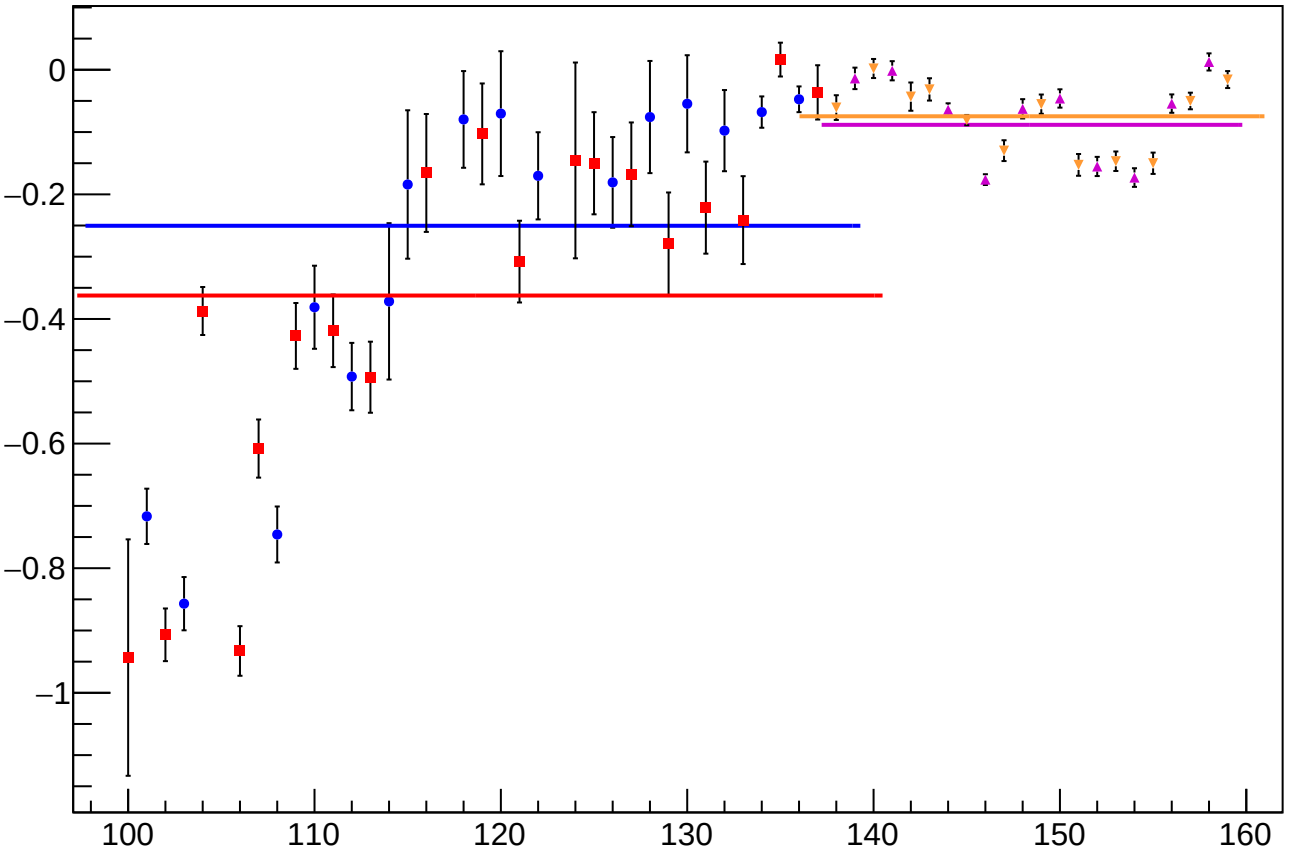
Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.126+/-0.085 χ^2/NDF:521.8/9

\+ sign 22.264+/-0.084 χ^2/NDF: 1786.3/27

All: 22.624+/-0.058 χ^2/NDF: 2935.1/56

\- sign 22.949+/-0.080 χ^2/NDF: 1113.8/28



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

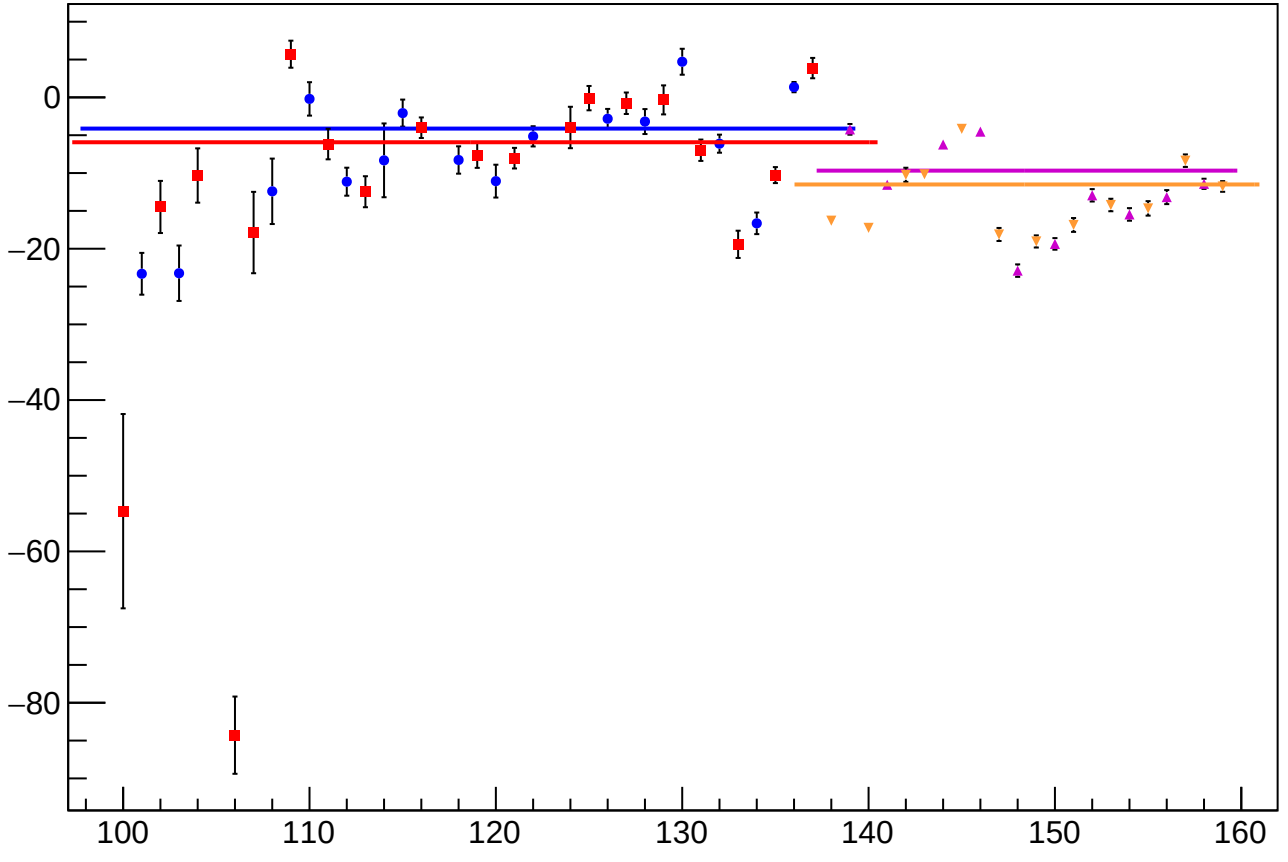
Left In: -0.088+/-0.004 χ^2/NDF:280.7/9

+ sign -0.095+/-0.004 χ^2/NDF: 963.5/27

All: -0.106+/-0.003 χ^2/NDF: 2405.1/56

- sign -0.116+/-0.004 χ^2/NDF: 1427.1/28

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.509+/-0.194 χ^2/NDF:784.6/11

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

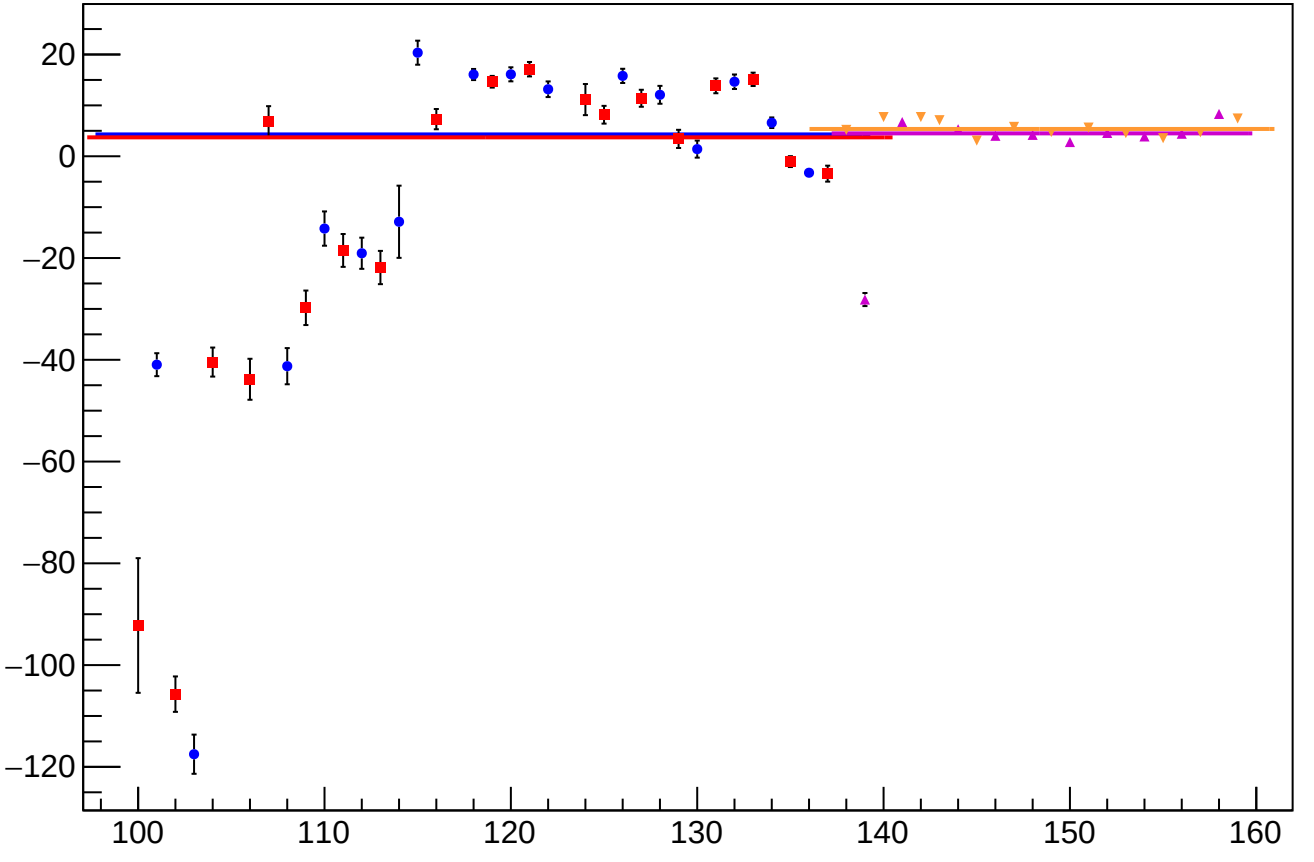
Left In: -9.681+/-0.197 χ^2/NDF:797.3/9

+ sign -9.988+/-0.173 χ^2/NDF: 1369.6/27

All: -9.491+/-0.124 χ^2/NDF: 2735.0/56

- sign -8.971+/-0.177 χ^2/NDF: 1348.5/28

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



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

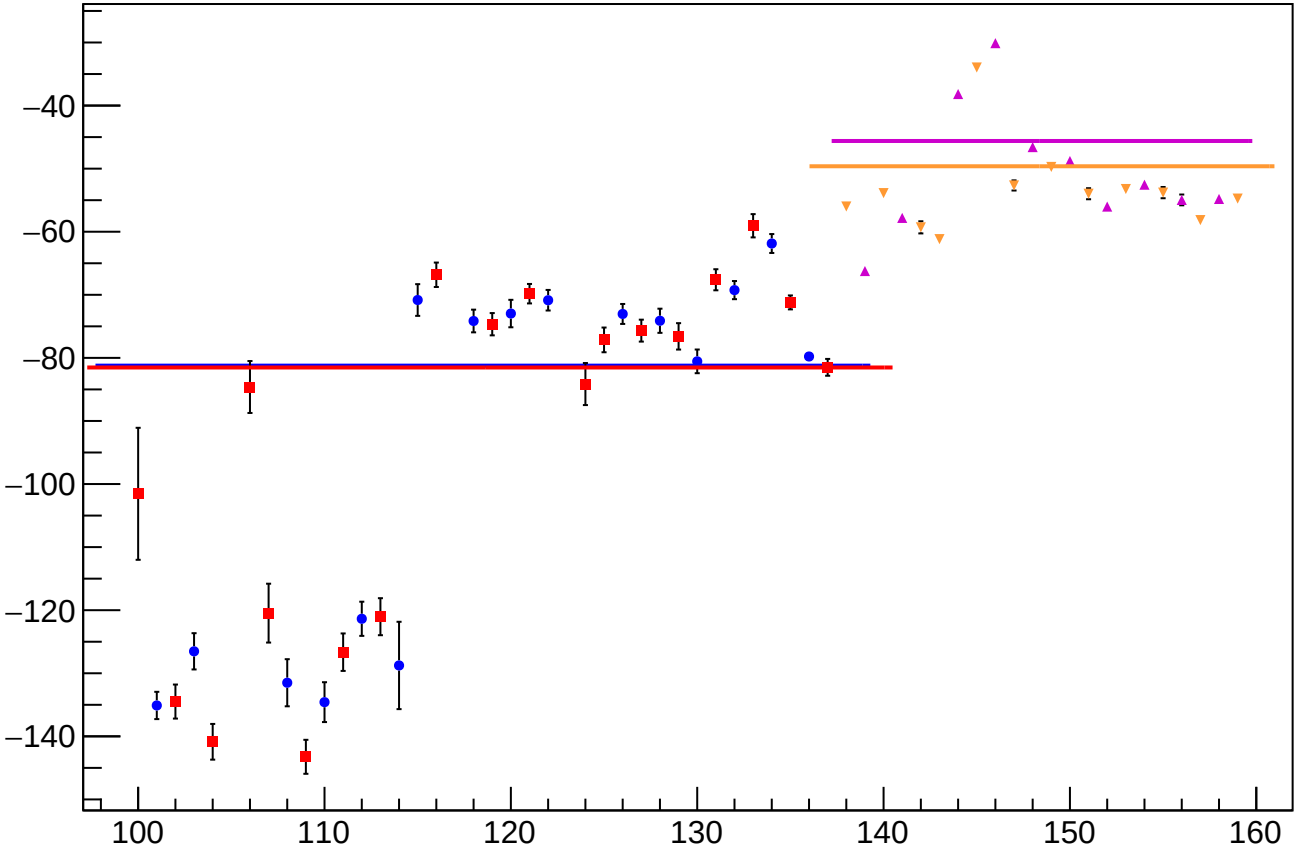
Left In: 4.499+/-0.133 χ^2/NDF:762.1/9

+ sign 5.245+/-0.130 χ^2/NDF: 2321.4/27

All: 4.828+/-0.091 χ^2/NDF: 5114.1/56

- sign 4.429+/-0.127 χ^2/NDF: 2772.5/28

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

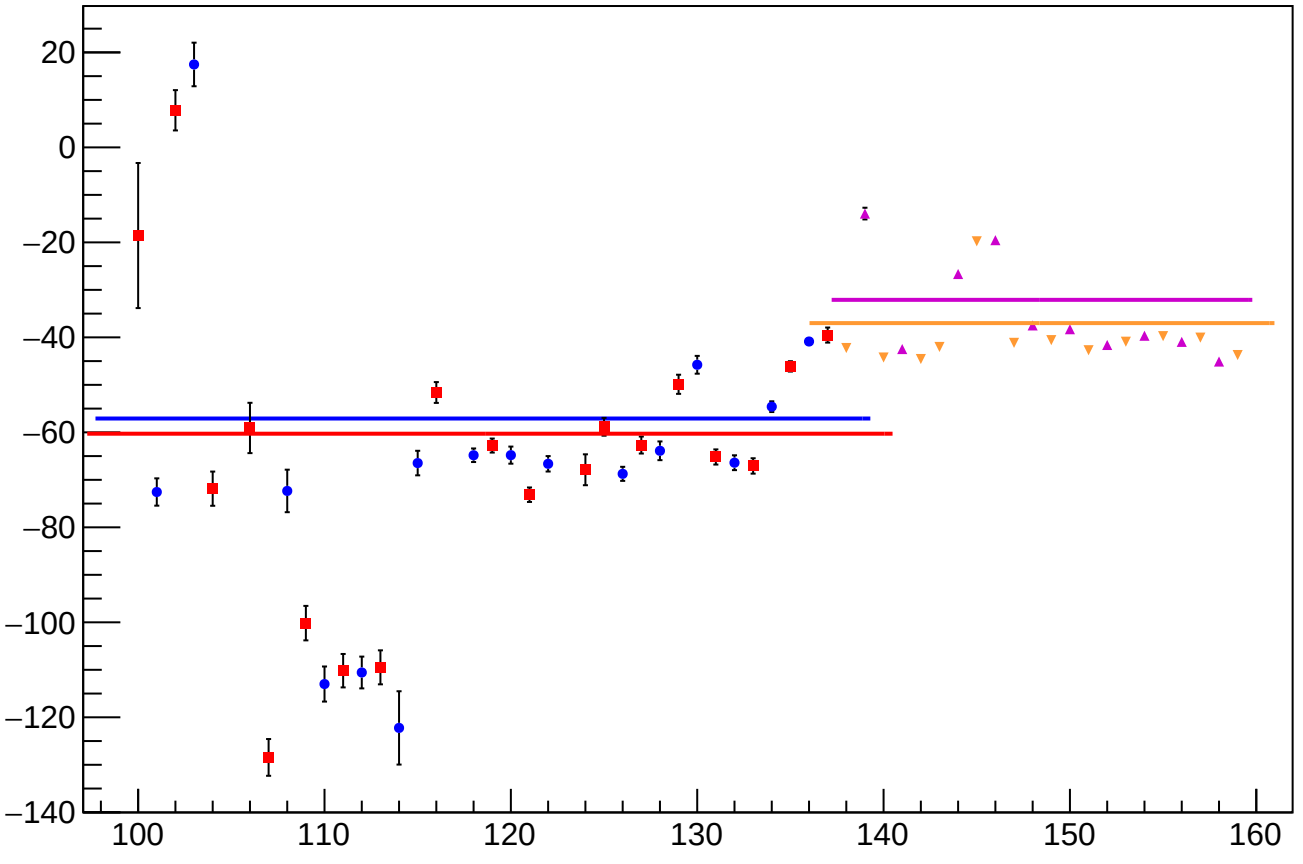
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -45.614+/-0.192 χ^2/NDF:3607.5/9

+ sign -55.178+/-0.175 χ^2/NDF: 9224.2/27

All: -53.087+/-0.125 χ^2/NDF: 20571.9/56

- sign -50.928+/-0.178 χ^2/NDF: 11056.7/28



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

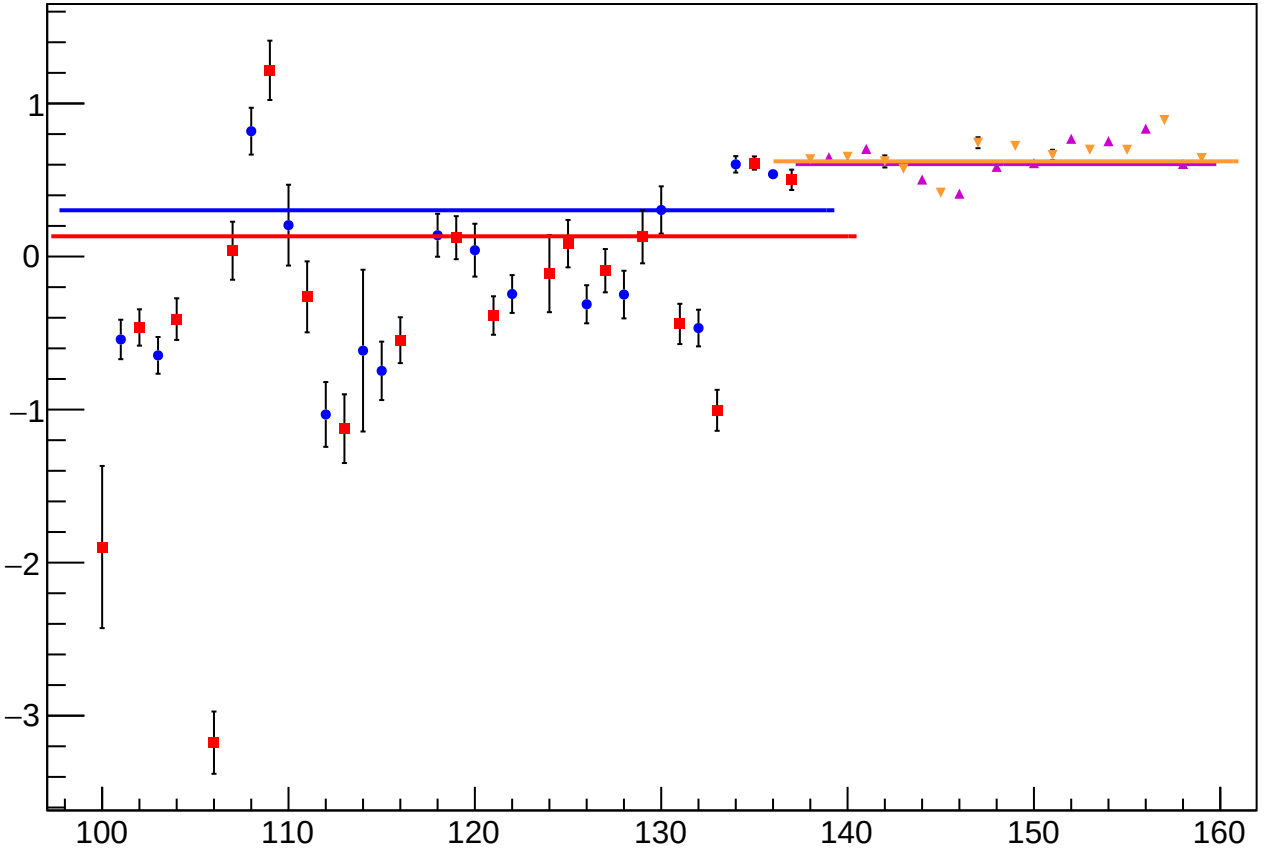
Left In: -32.100+/-0.159 χ^2/NDF:3899.1/9

+ sign -39.563+/-0.152 χ^2/NDF: 6868.6/27

All: -37.260+/-0.107 χ^2/NDF: 16036.5/56

- sign -34.998+/-0.151 χ^2/NDF: 8713.5/28

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

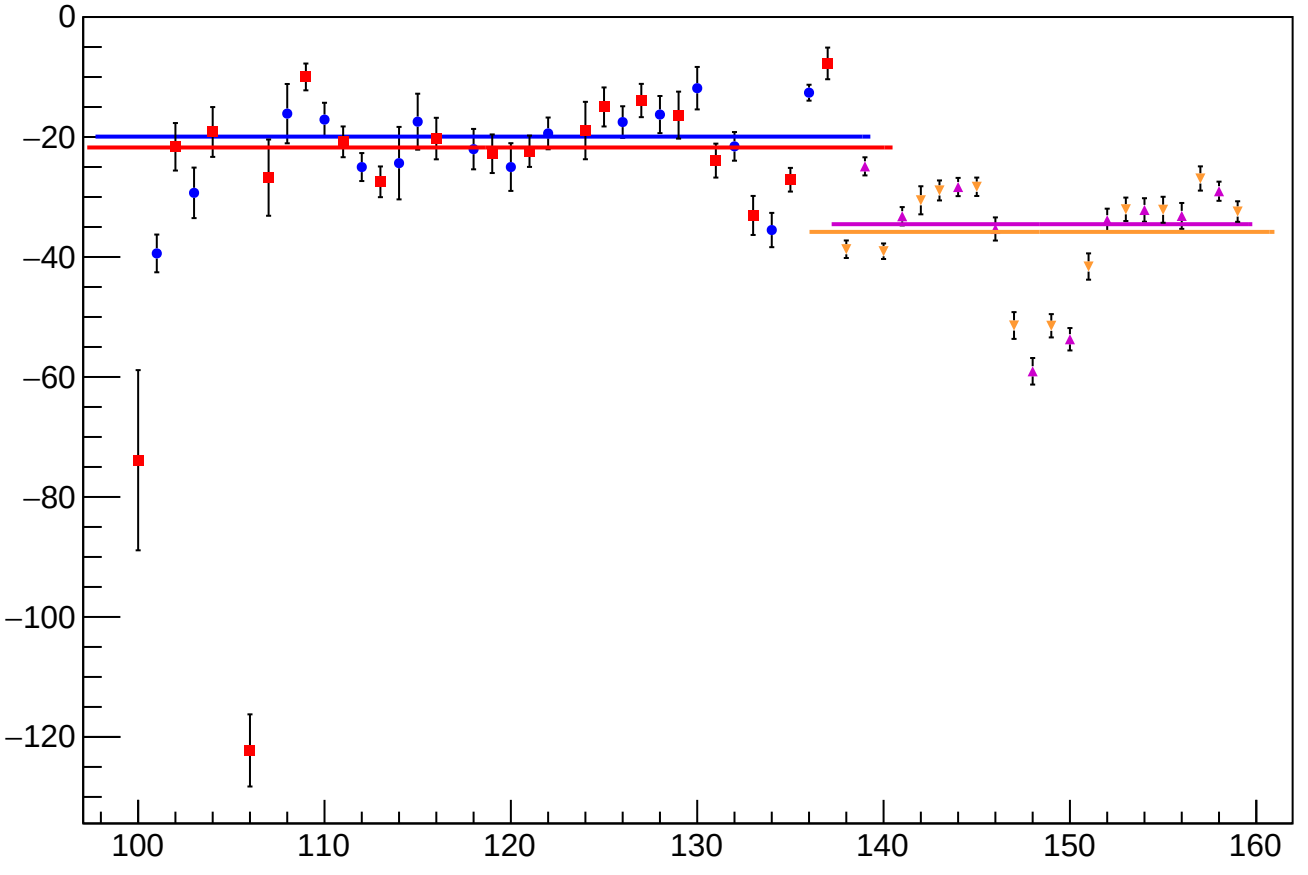
Left In: 0.604+/-0.008 χ^2/NDF:312.3/9

+ sign 0.591+/-0.007 χ^2/NDF: 897.4/27

All: 0.580+/-0.005 χ^2/NDF: 2180.2/56

- sign 0.568+/-0.007 χ^2/NDF: 1277.7/28

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

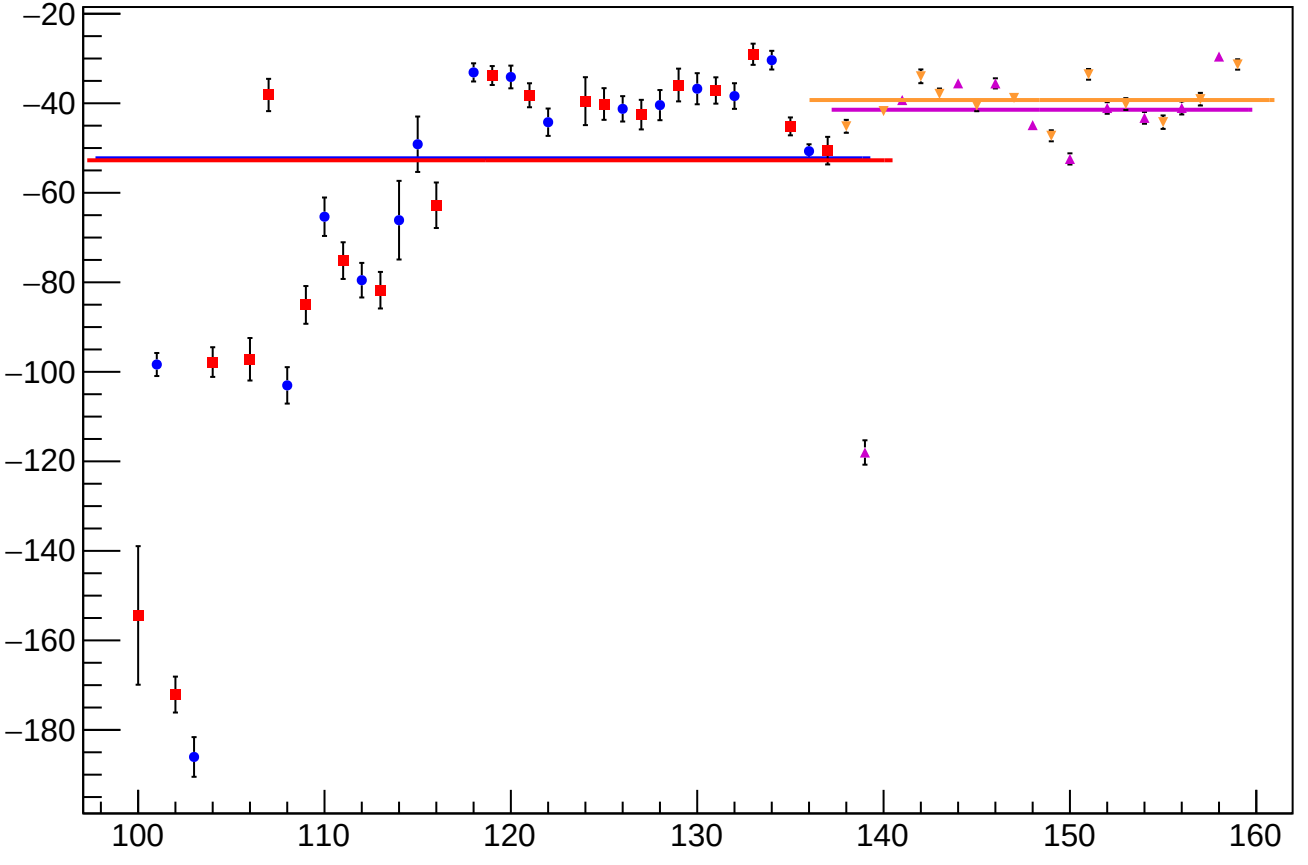
Left In: -34.533+/-0.560 χ^2/NDF:300.4/9

+ sign -30.182+/-0.414 χ^2/NDF: 664.7/27

All: -29.939+/-0.302 χ^2/NDF: 1553.0/56

- sign -29.665+/-0.440 χ^2/NDF: 887.5/28

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

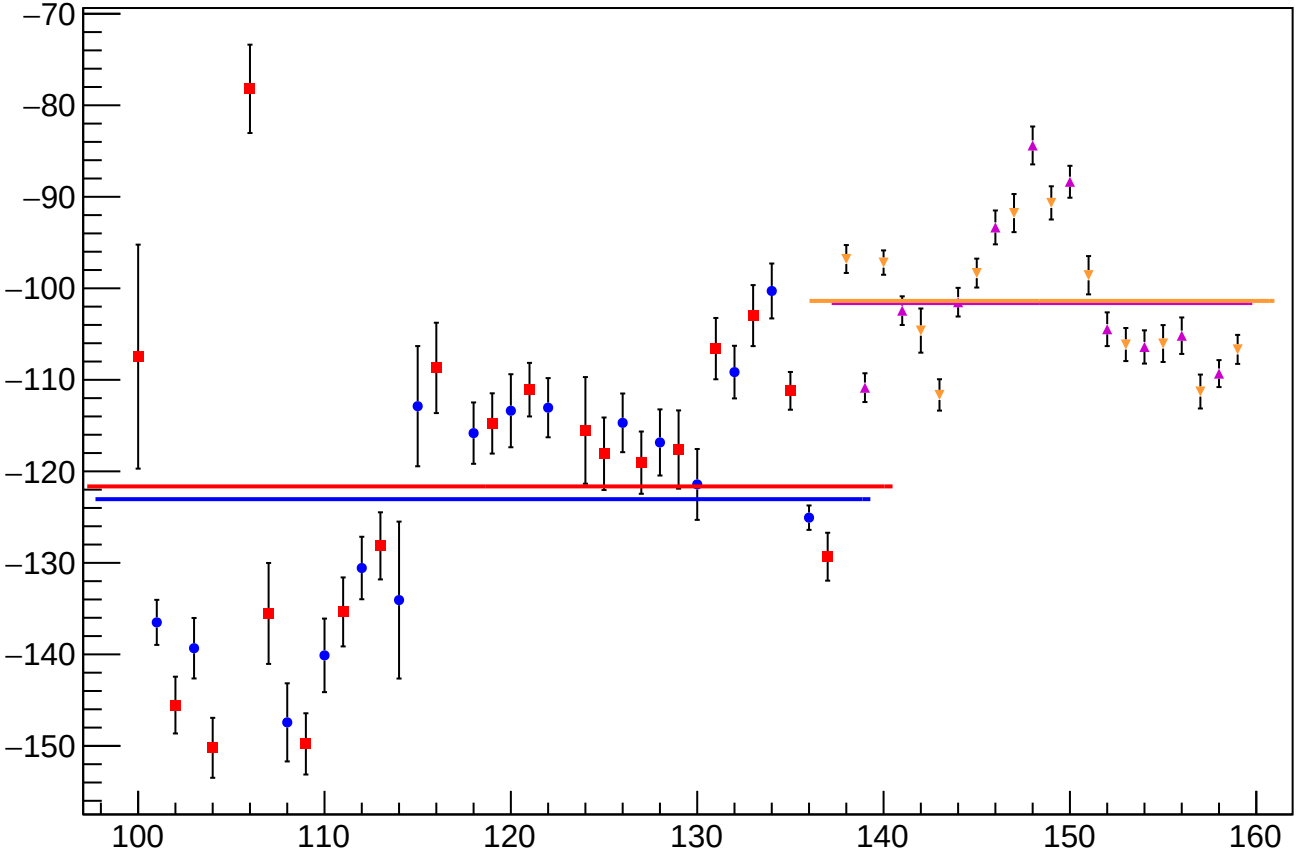
Left In: -41.444+/-0.391 χ^2/NDF:1056.3/9

+ sign -41.972+/-0.322 χ^2/NDF: 2205.4/27

All: -42.851+/-0.236 χ^2/NDF: 5119.1/56

- sign -43.870+/-0.347 χ^2/NDF: 2897.6/28

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

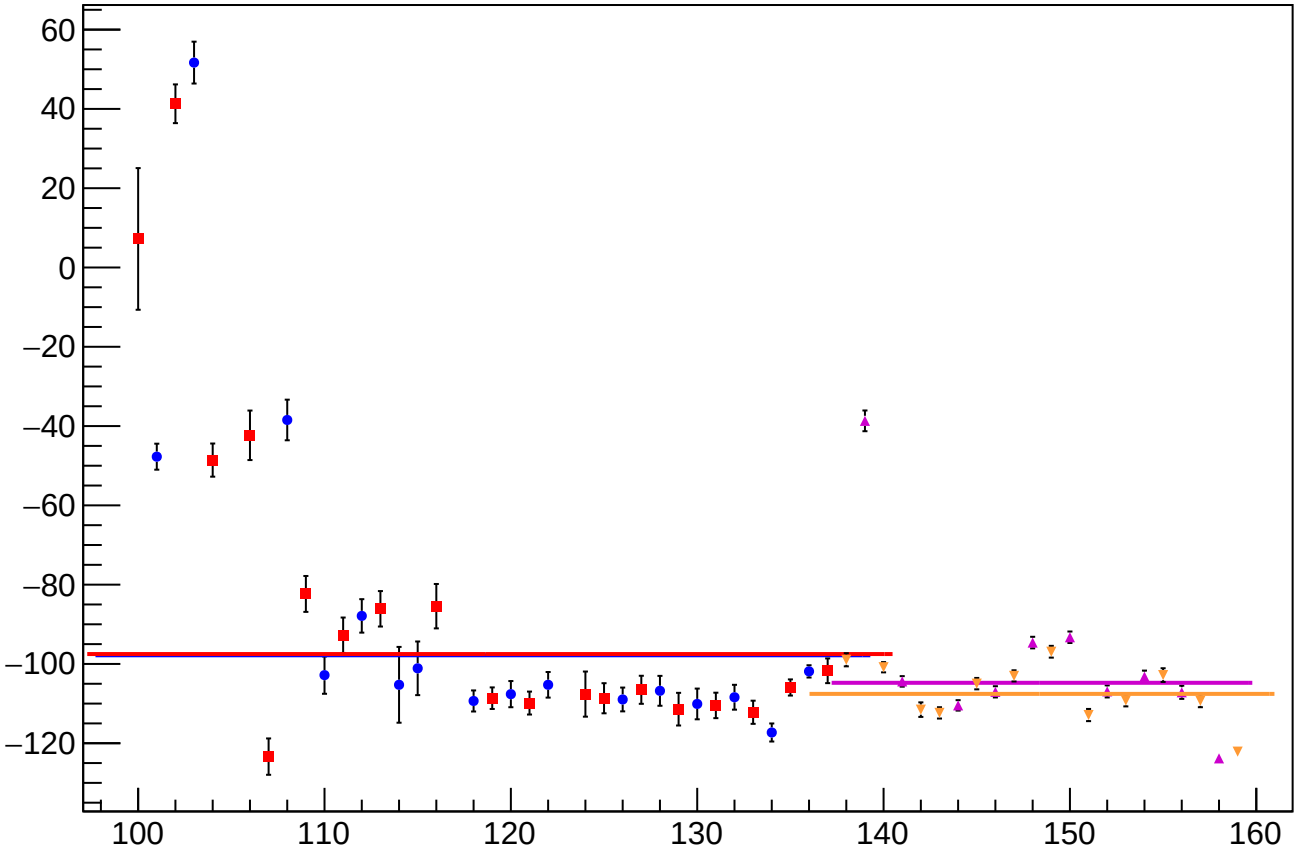
Left In: -101.610+/-0.544 χ^2/NDF:221.6/9

+ sign -108.145+/-0.419 χ^2/NDF: 970.7/27

All: -108.044+/-0.307 χ^2/NDF: 2045.1/56

- sign -107.927+/-0.450 χ^2/NDF: 1074.3/28

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

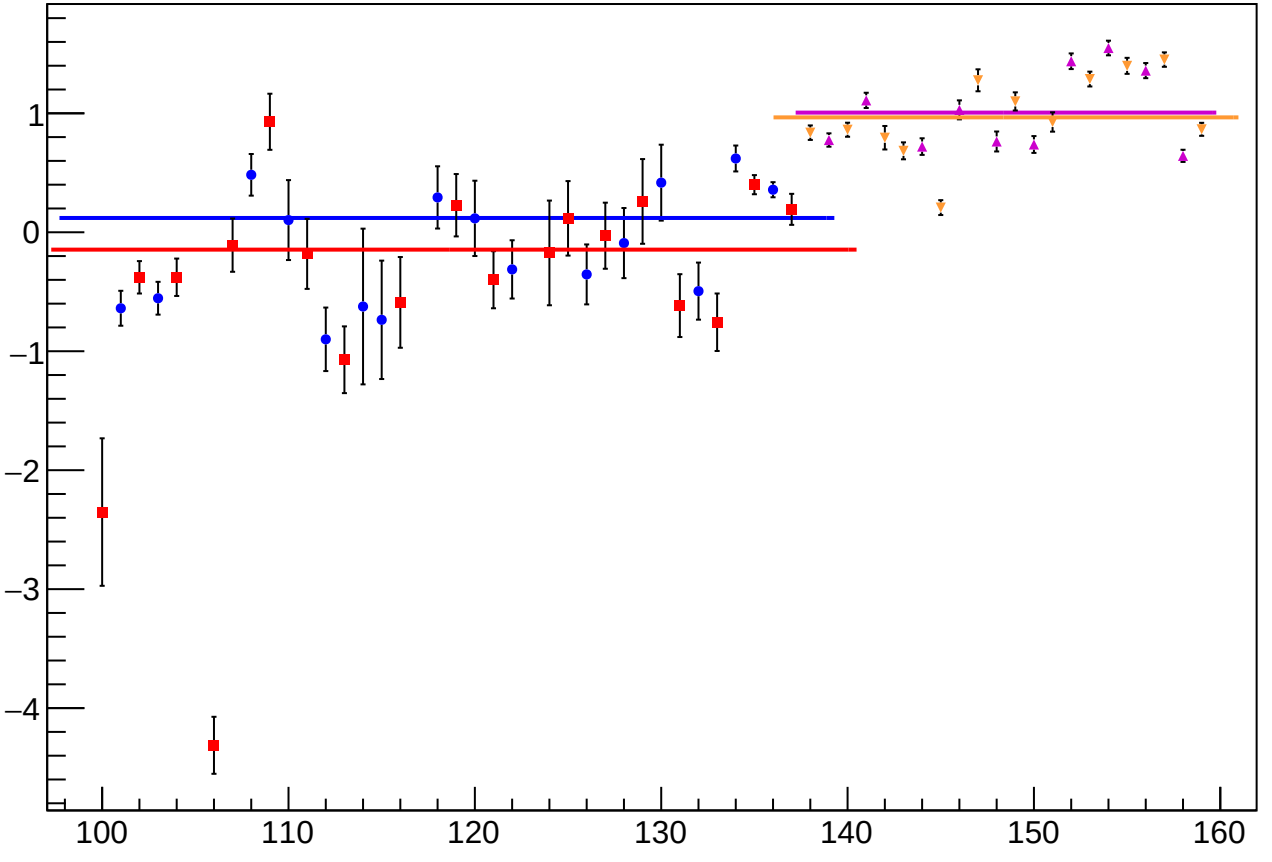
Left In: -104.758+/-0.460 χ^2/NDF:1053.6/9

+ sign -105.354+/-0.377 χ^2/NDF: 1747.8/27

All: -104.301+/-0.276 χ^2/NDF: 4111.7/56

- sign -103.090+/-0.404 χ^2/NDF: 2347.2/28

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

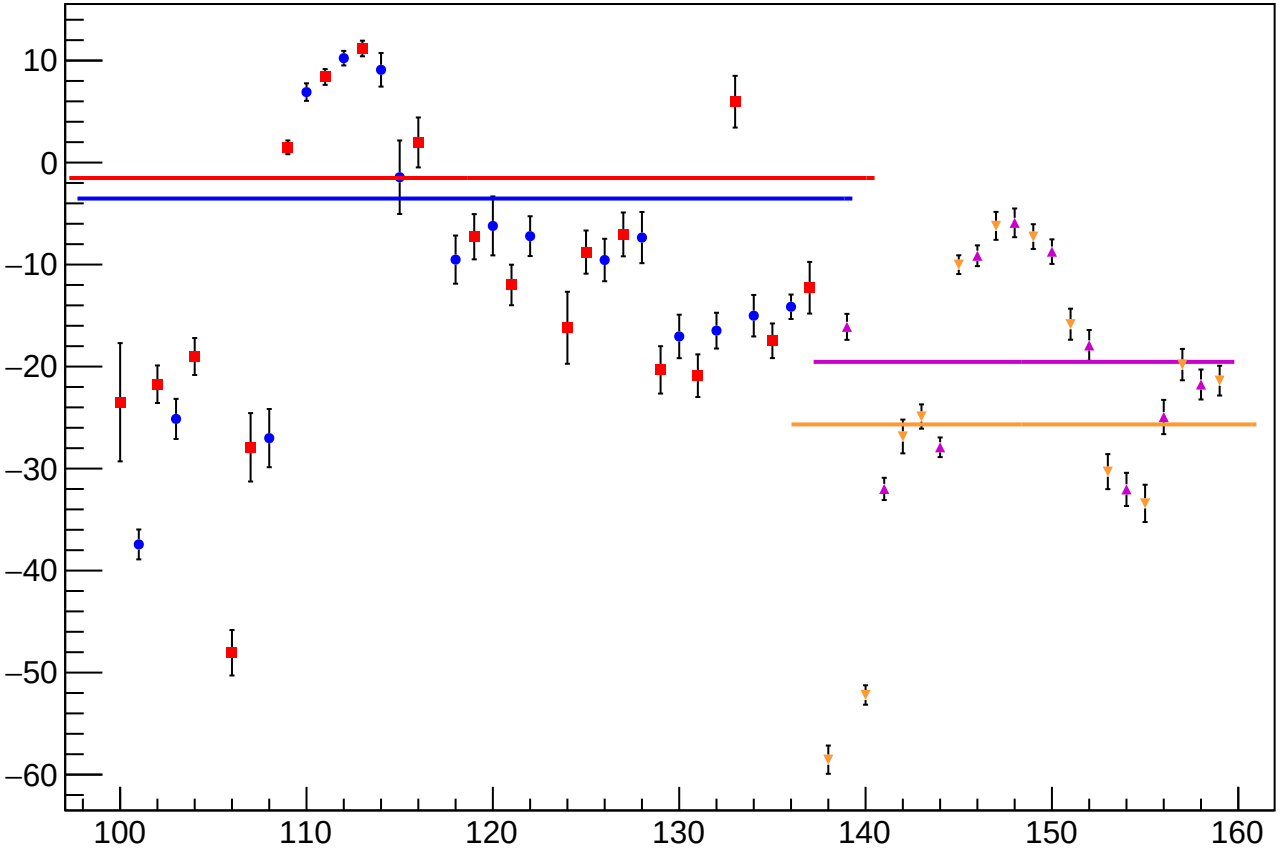
Left In: 1.006+/-0.020 χ^2/NDF:260.6/9

+ sign 0.811+/-0.018 χ^2/NDF: 791.1/27

All: 0.810+/-0.013 χ^2/NDF: 2017.9/56

- sign 0.807+/-0.019 χ^2/NDF: 1226.7/28

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

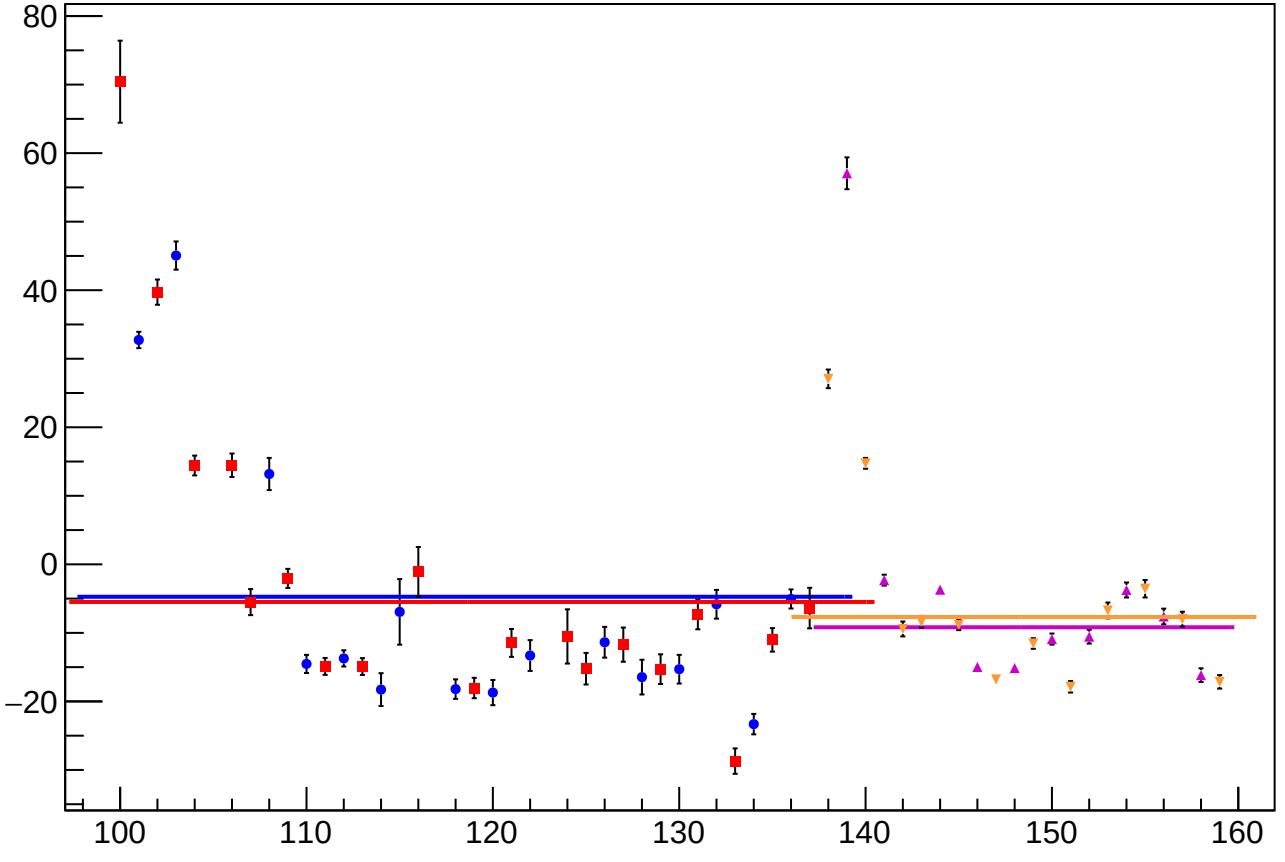
Left In: -19.539+/-0.397 χ^2/NDF:565.0/9

+ sign -14.599+/-0.266 χ^2/NDF: 5405.6/27

All: -11.753+/-0.185 χ^2/NDF: 8908.5/56

- sign -9.090+/-0.258 χ^2/NDF: 3282.0/28

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

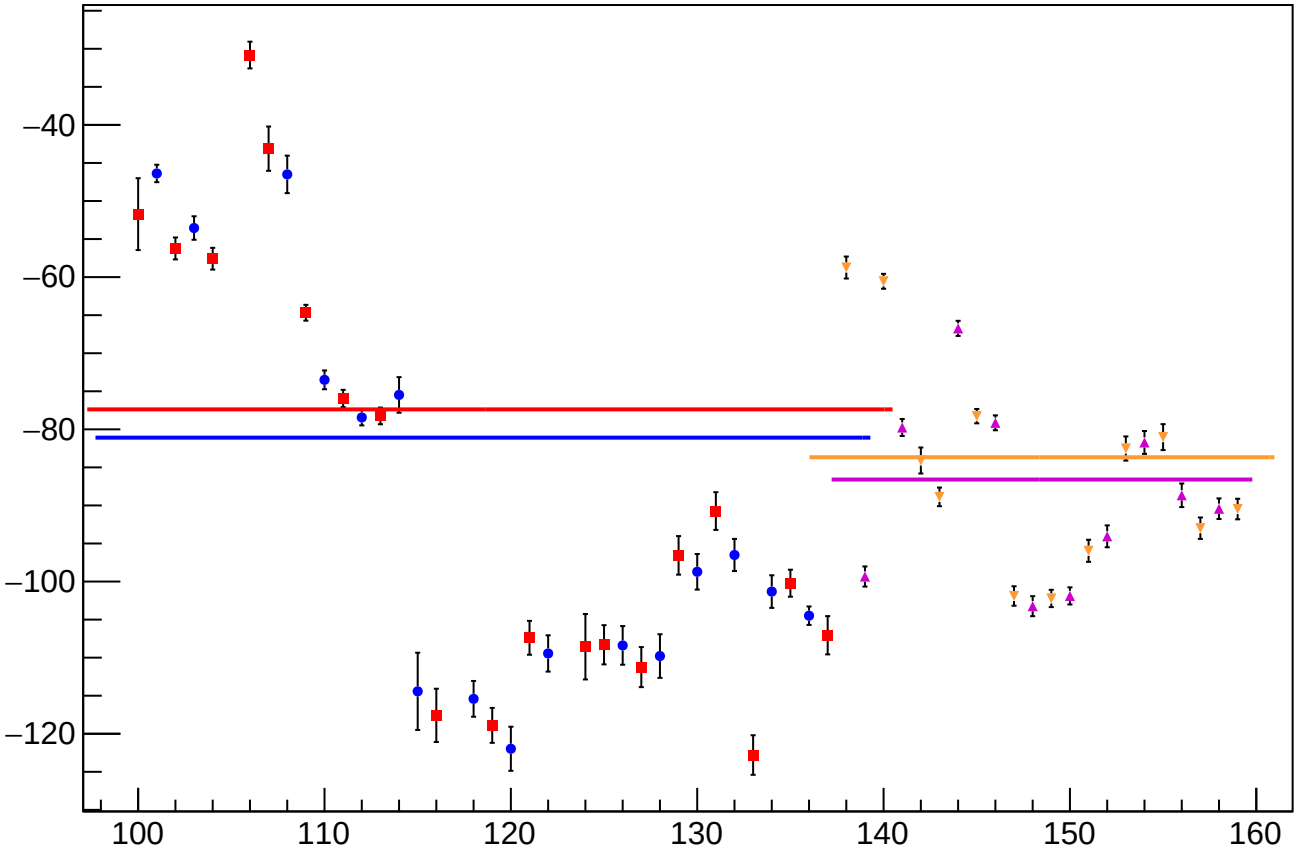
Left In: -9.181+/-0.270 χ^2/NDF:1196.7/9

+ sign -6.898+/-0.222 χ^2/NDF: 4129.7/27

All: -7.491+/-0.159 χ^2/NDF: 6903.8/56

- sign -8.111+/-0.227 χ^2/NDF: 2759.5/28

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

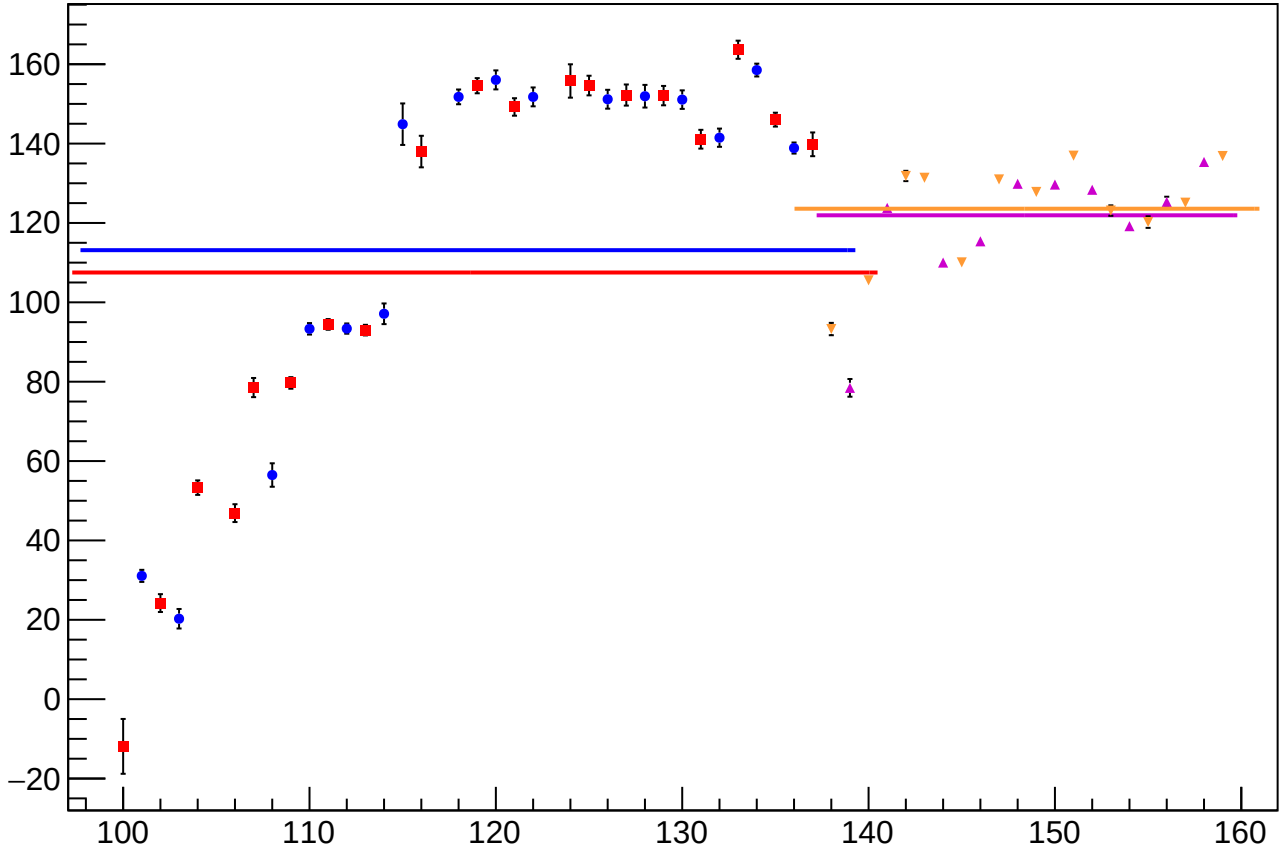
Left In: -86.596+/-0.387 χ^2/NDF:979.3/9

+ sign -82.597+/-0.283 χ^2/NDF: 4408.9/27

All: -82.464+/-0.200 χ^2/NDF: 8780.9/56

- sign -82.329+/-0.284 χ^2/NDF: 4371.5/28

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

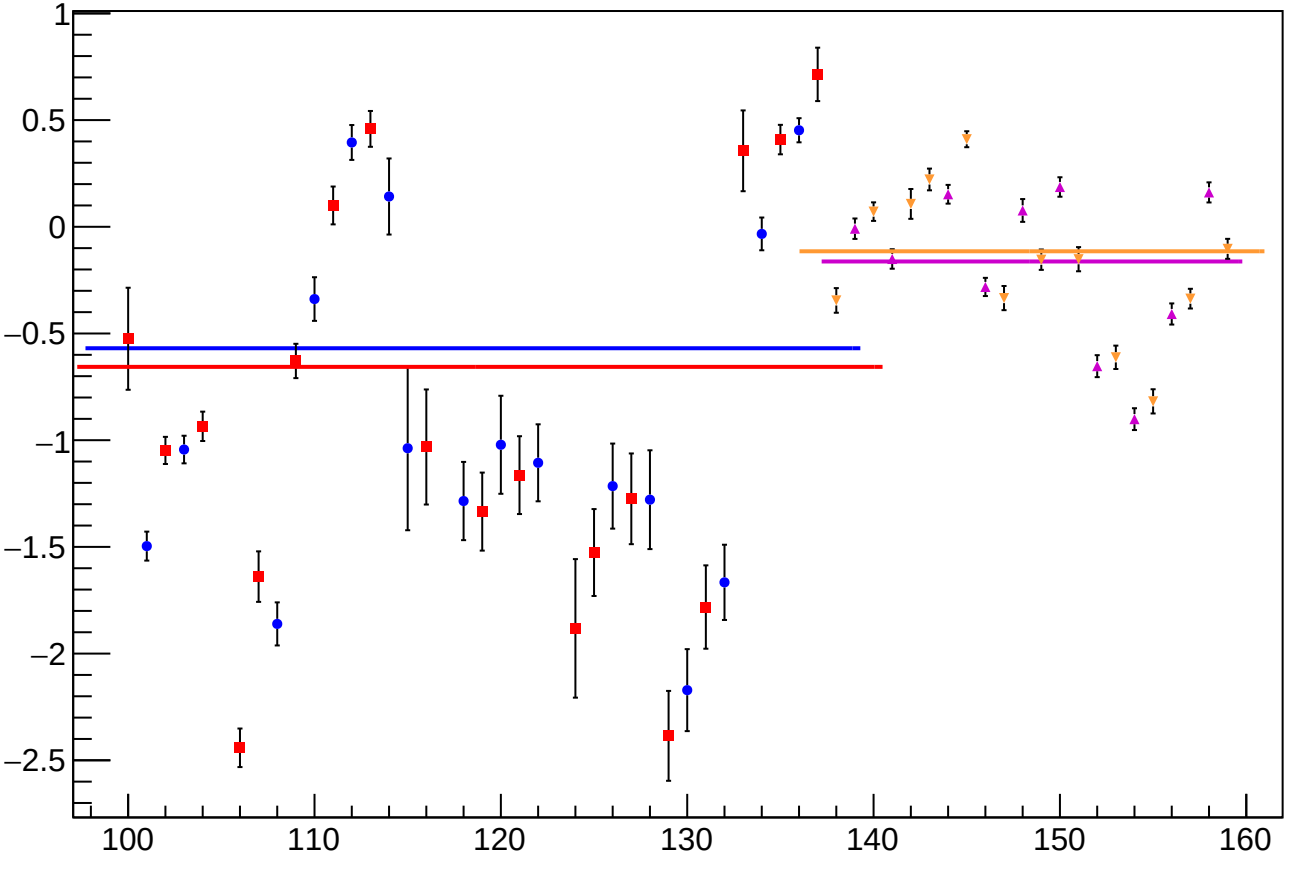
Left In: 121.930+/-0.323 χ^2/NDF:1008.0/9

+ sign 120.589+/-0.262 χ^2/NDF: 10028.8/27

All: 119.046+/-0.187 χ^2/NDF: 19274.0/56

- sign 117.438+/-0.268 χ^2/NDF: 9174.5/28

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.115+/-0.014 χ^2/NDF:560.3/11

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

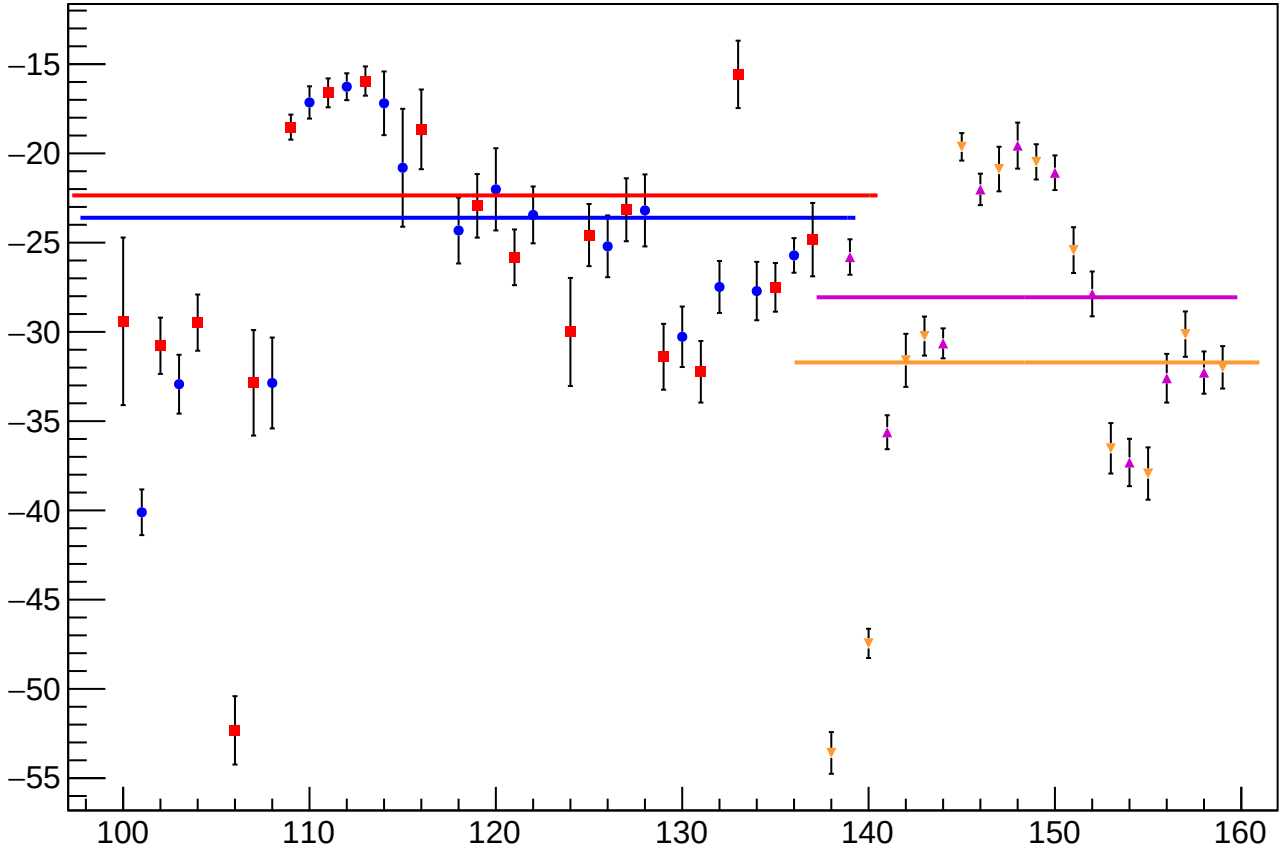
Left In: -0.163+/-0.015 χ^2/NDF:519.9/9

+ sign -0.224+/-0.013 χ^2/NDF: 1893.6/27

All: -0.257+/-0.009 χ^2/NDF: 4026.1/56

- sign -0.292+/-0.013 χ^2/NDF: 2118.3/28

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

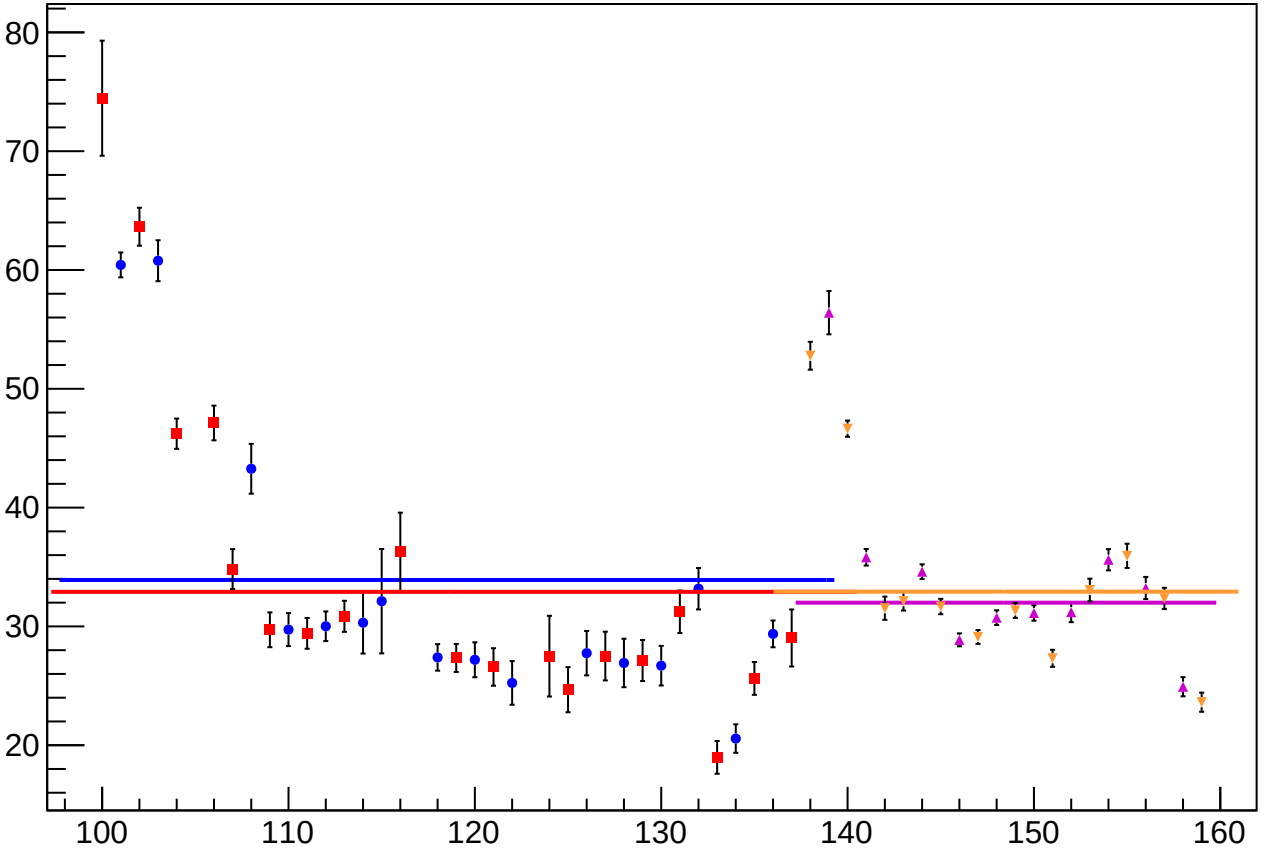
Left In: -28.062+/-0.334 χ^2/NDF:292.3/9

+ sign -28.002+/-0.236 χ^2/NDF: 1927.0/27

All: -26.526+/-0.165 χ^2/NDF: 2999.5/56

- sign -25.098+/-0.232 χ^2/NDF: 995.3/28

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

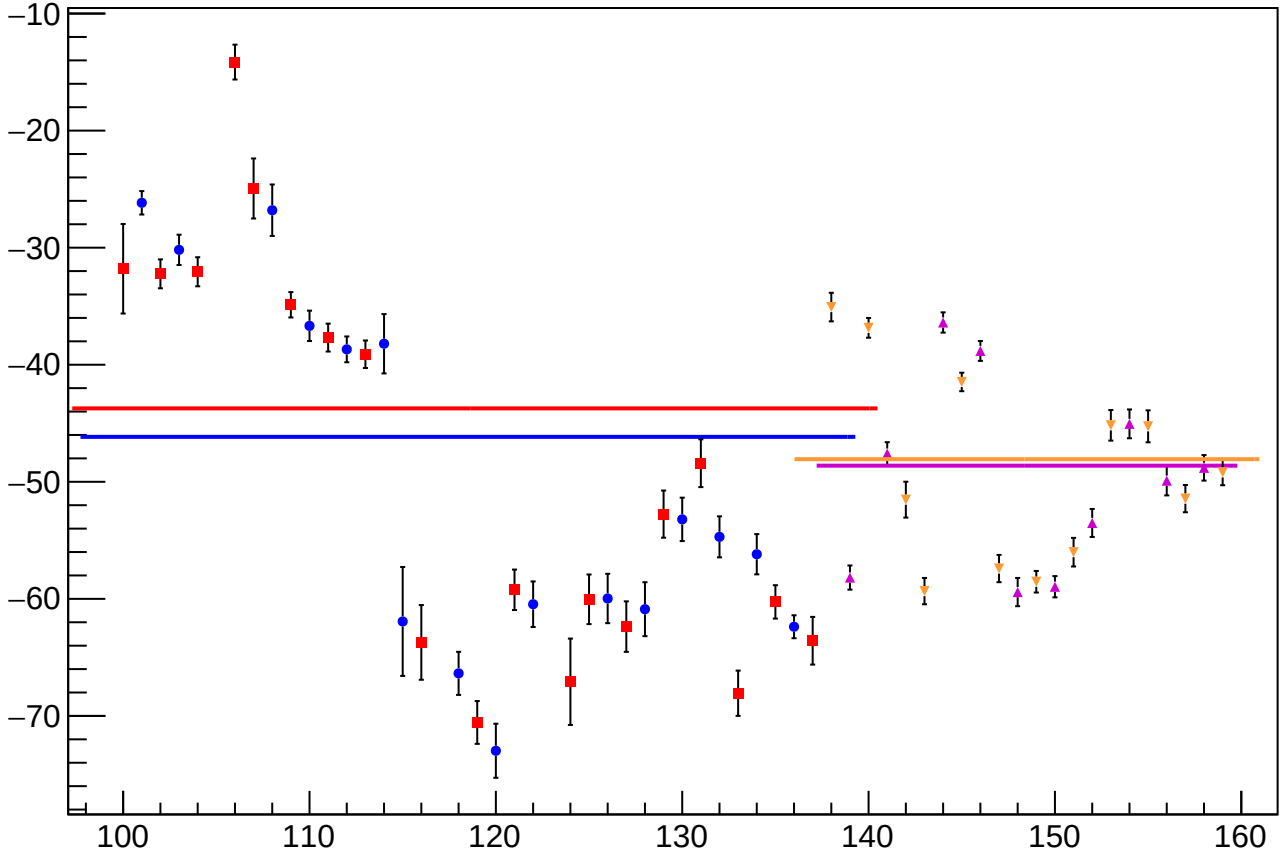
Left In: 31.998+/-0.232 χ^2/NDF:362.1/9

+ sign 33.182+/-0.192 χ^2/NDF: 2140.1/27

All: 32.730+/-0.137 χ^2/NDF: 3393.0/56

- sign 32.253+/-0.197 χ^2/NDF: 1241.4/28

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

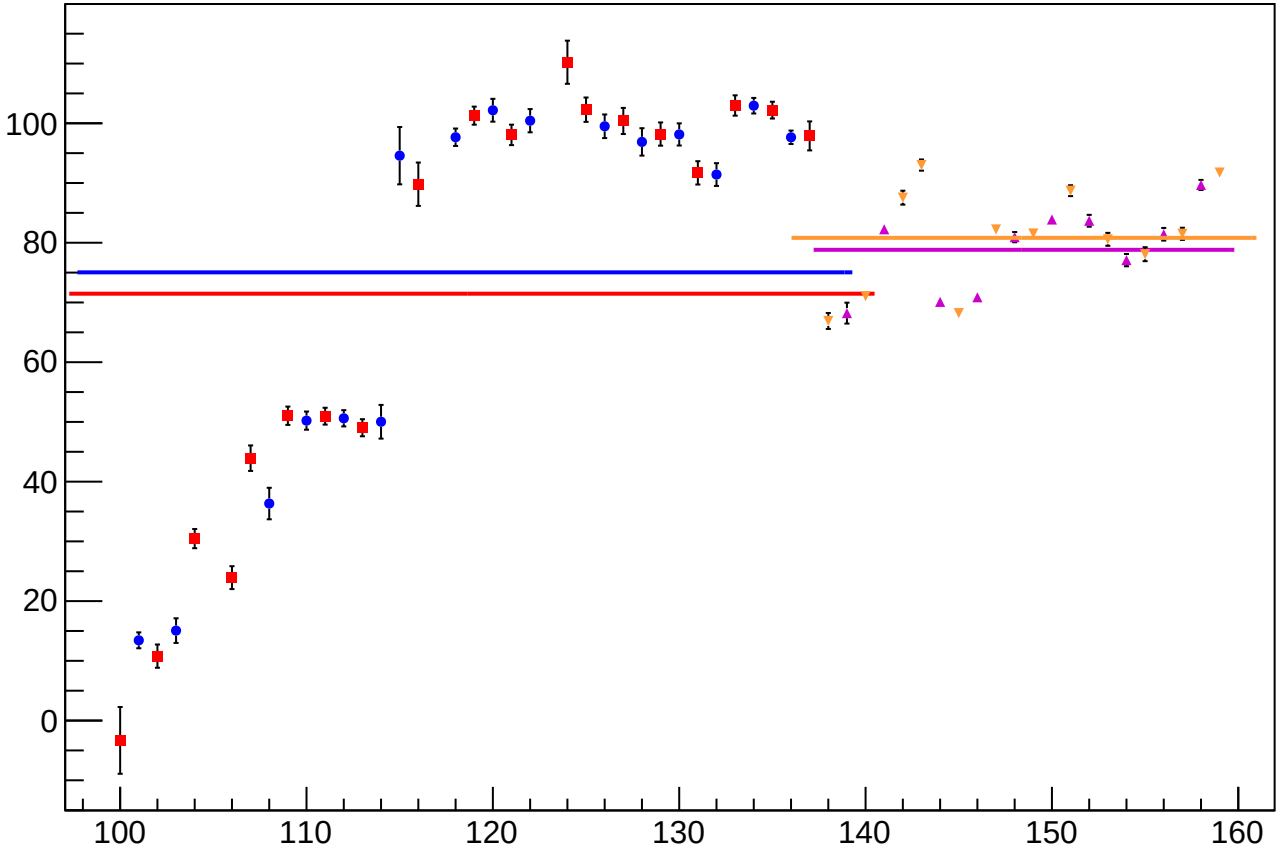
Left In: -48.622+/-0.325 χ^2/NDF:656.1/9

\+ sign -47.318+/-0.244 χ^2/NDF: 2224.2/27

All: -46.934+/-0.174 χ^2/NDF: 4644.7/56

\- sign -46.542+/-0.247 χ^2/NDF: 2415.5/28

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

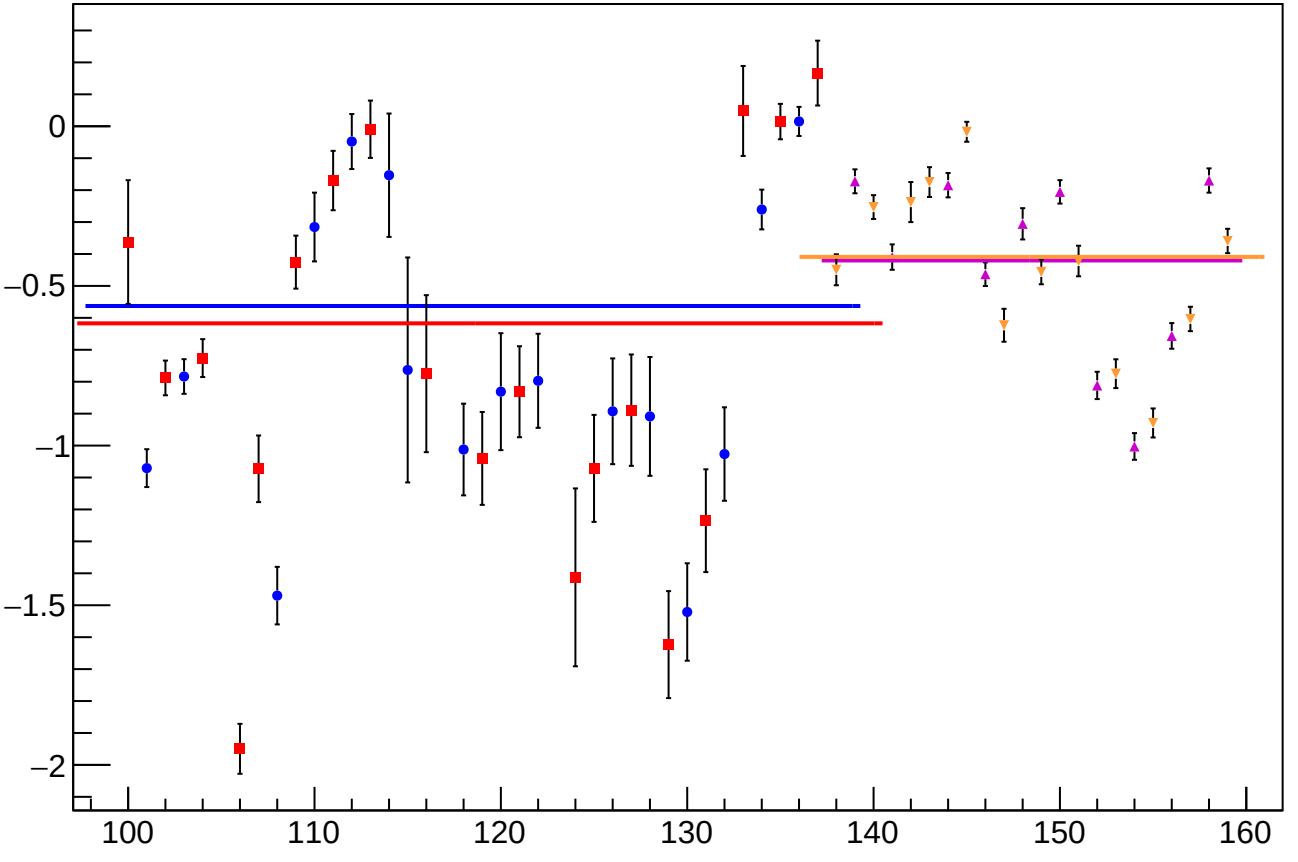
Left In: 78.815+/-0.275 χ^2/NDF:586.3/9

+ sign 79.216+/-0.225 χ^2/NDF: 6958.5/27

All: 77.968+/-0.161 χ^2/NDF: 13446.5/56

- sign 76.657+/-0.231 χ^2/NDF: 6425.0/28

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

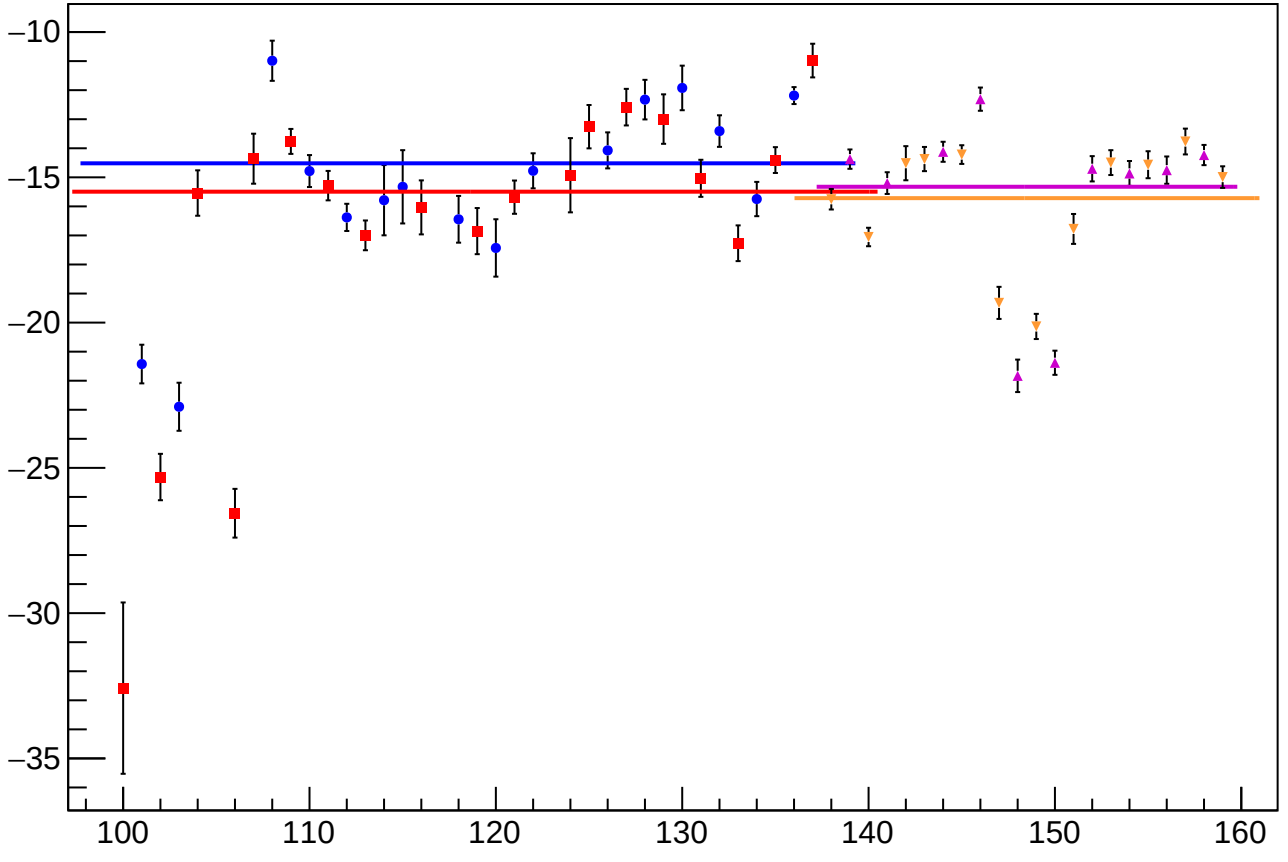
Left In: -0.420+/-0.013 χ^2/NDF:479.4/9

+ sign -0.445+/-0.011 χ^2/NDF: 981.7/27

All: -0.456+/-0.008 χ^2/NDF: 2213.1/56

- sign -0.468+/-0.011 χ^2/NDF: 1229.1/28

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

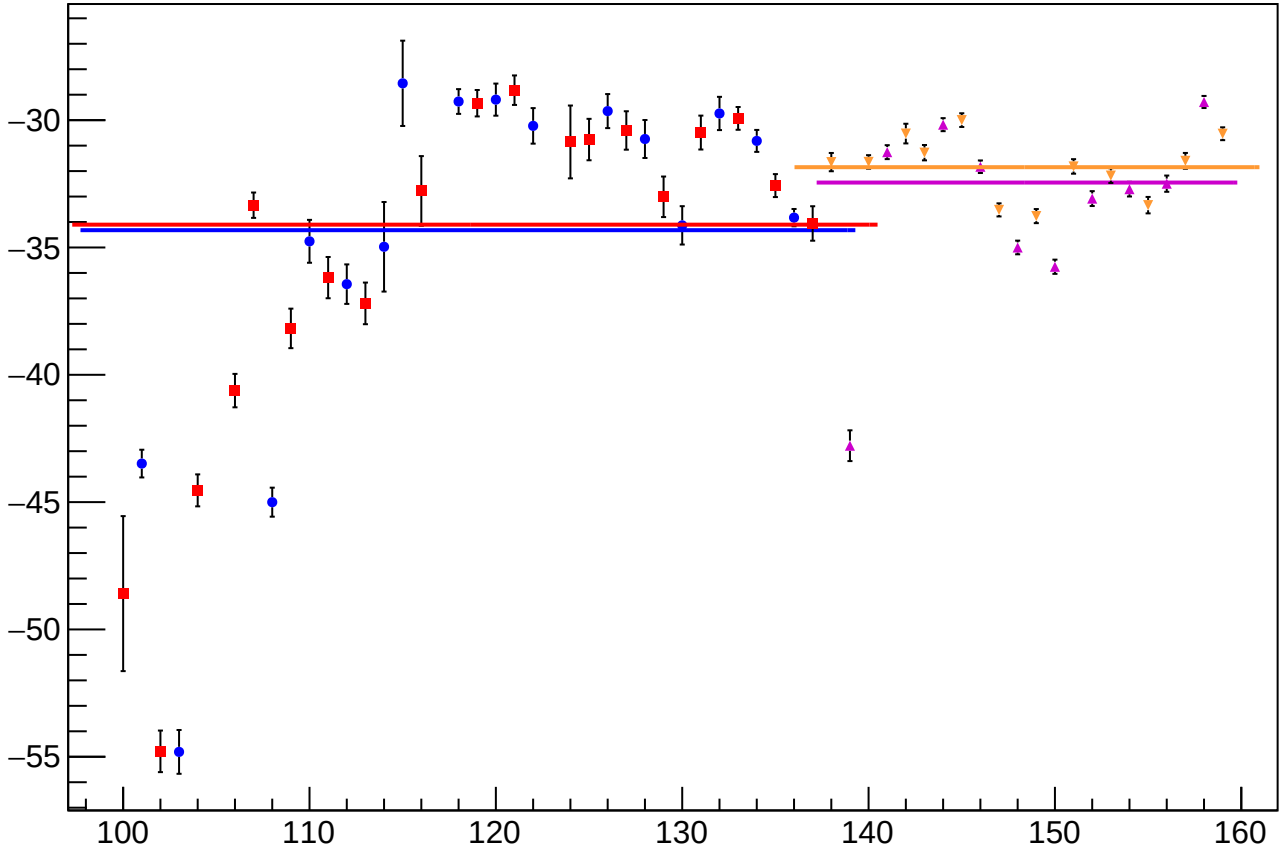
Left In: -15.324+/-0.126 χ^2/NDF:439.6/9

+ sign -15.253+/-0.093 χ^2/NDF: 645.0/27

All: -15.321+/-0.067 χ^2/NDF: 1590.3/56

- sign -15.394+/-0.096 χ^2/NDF: 944.2/28

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

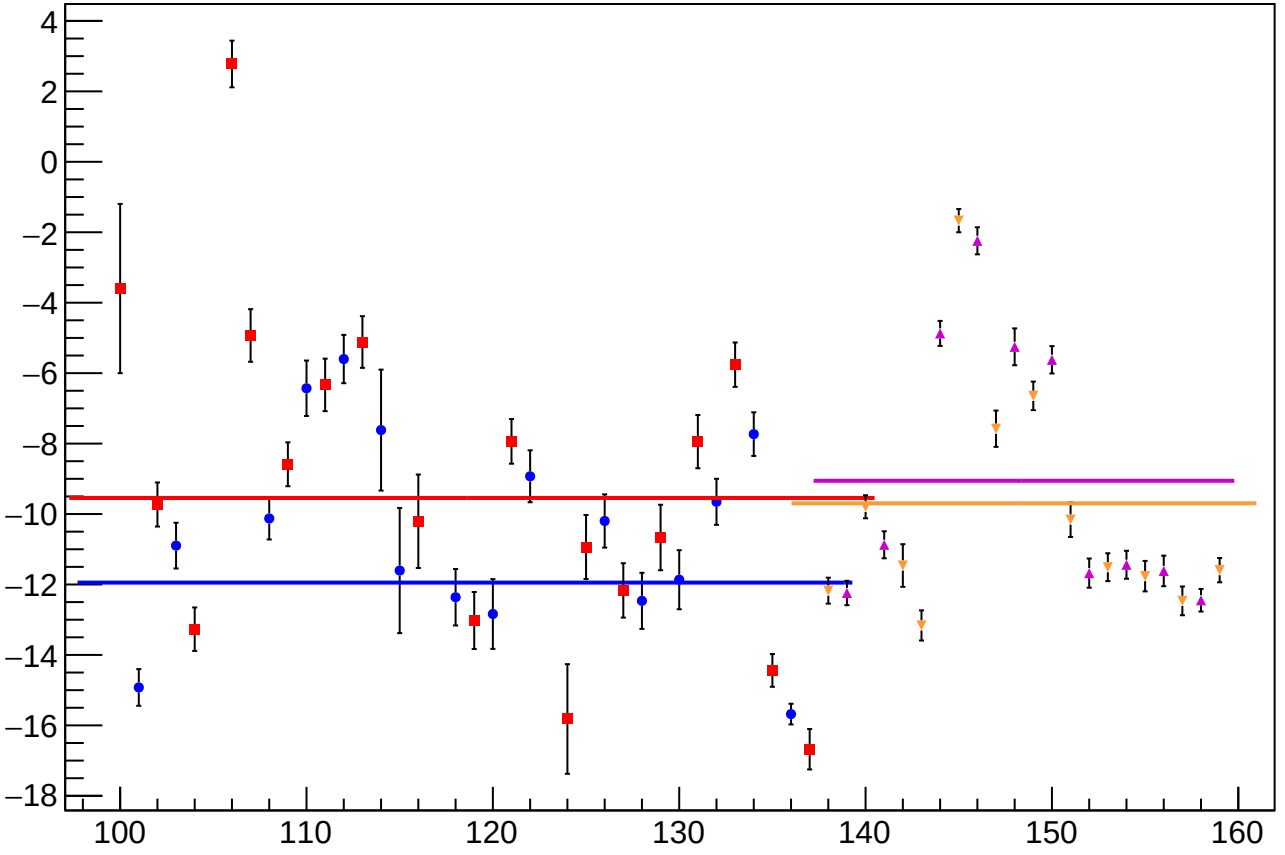
Left In: -32.450+/-0.089 χ^2/NDF:809.6/9

+ sign -32.419+/-0.074 χ^2/NDF: 2025.1/27

All: -32.632+/-0.053 χ^2/NDF: 4373.2/56

- sign -32.865+/-0.077 χ^2/NDF: 2330.6/28

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

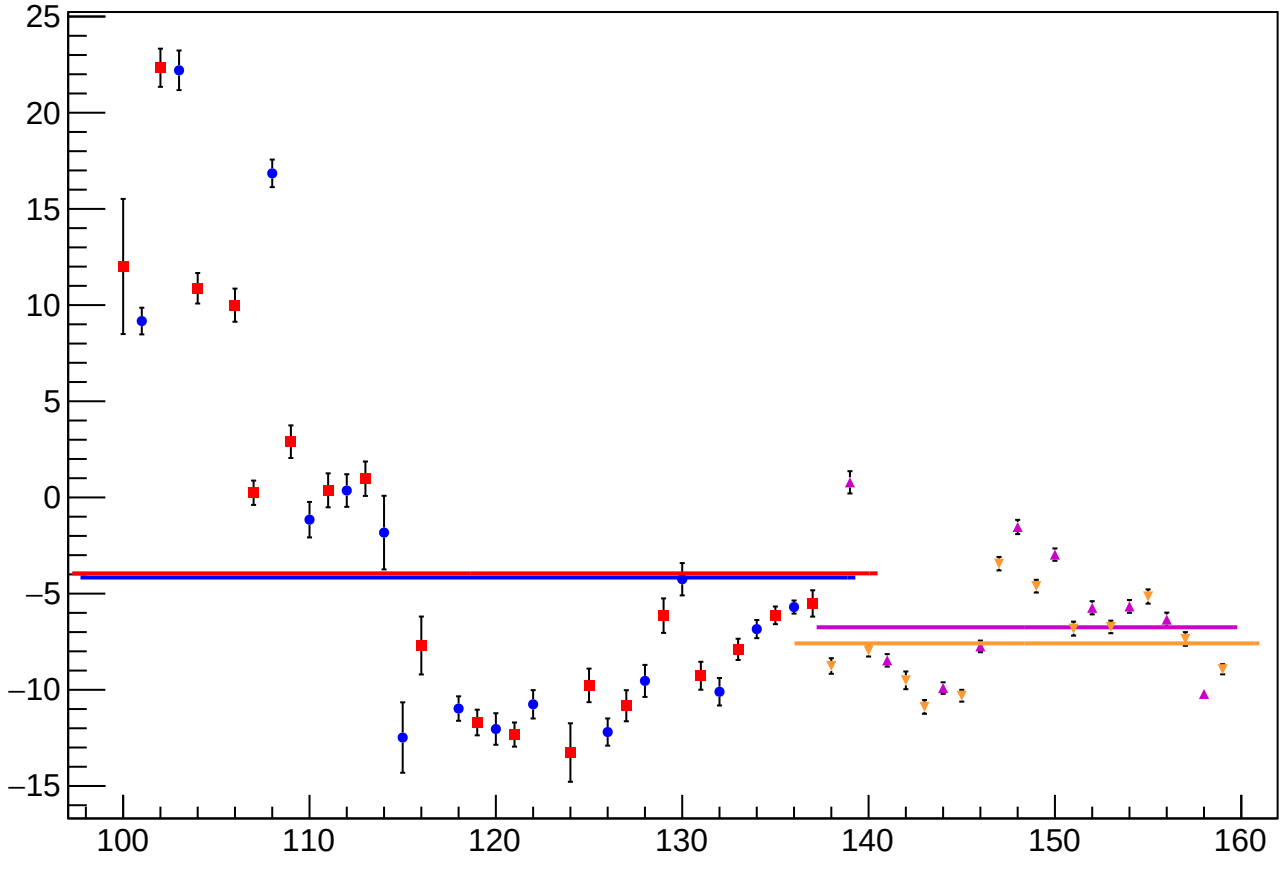
Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.055+/-0.122 χ^2/NDF:913.1/9

+ sign -10.470+/-0.094 χ^2/NDF: 1465.6/27

All: -9.876+/-0.068 χ^2/NDF: 3315.1/56

- sign -9.228+/-0.098 χ^2/NDF: 1765.9/28



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.586+/-0.099 χ^2/NDF:491.9/11

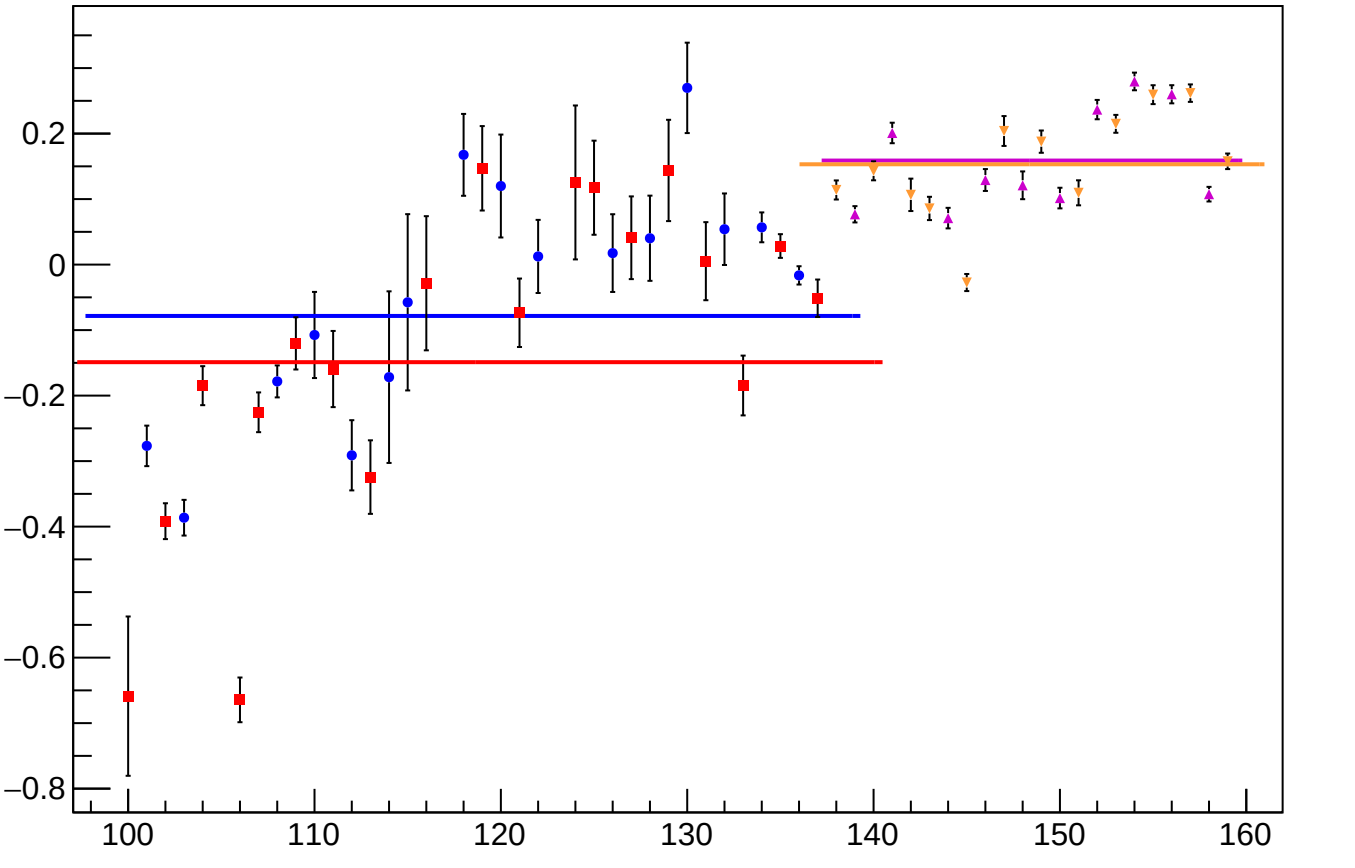
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

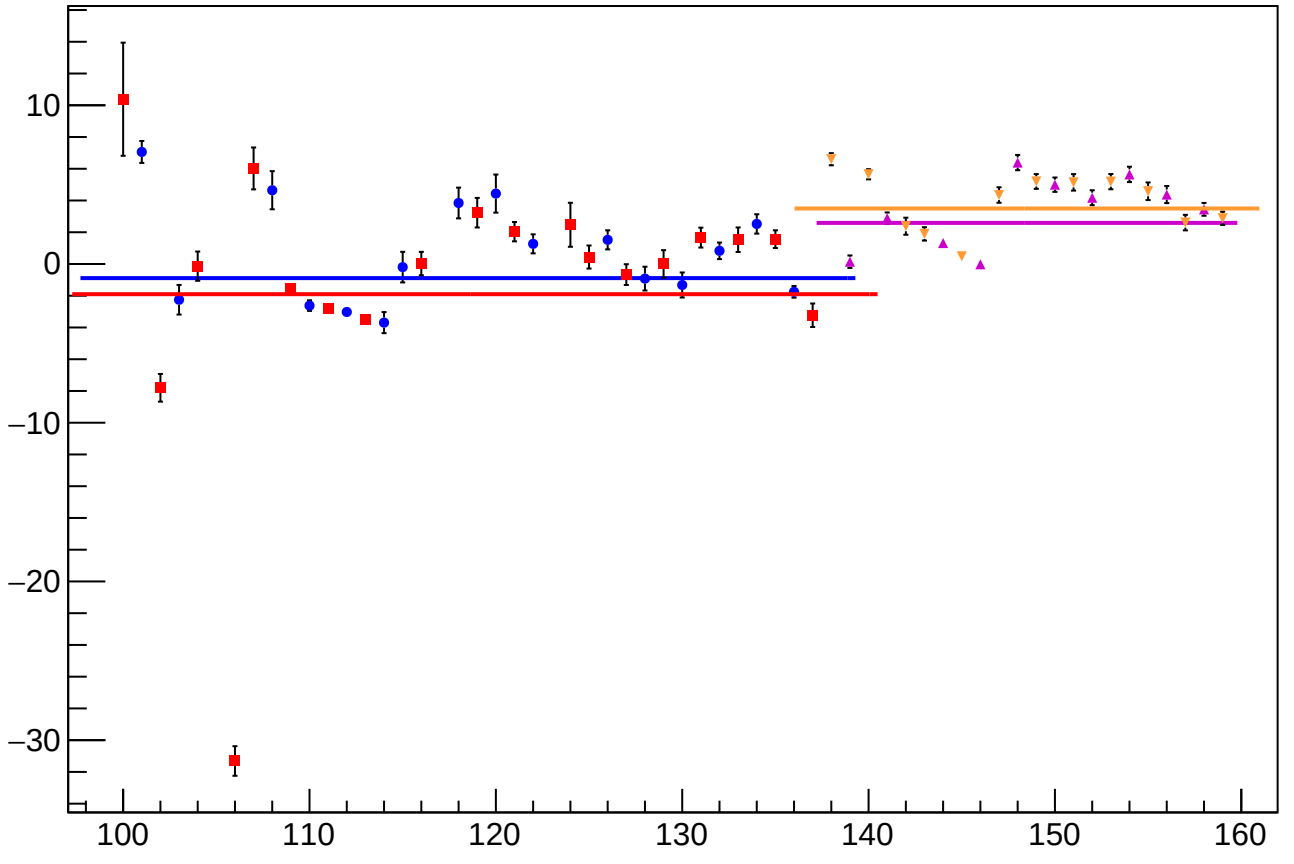
Left In: -6.750+/-0.104 χ^2/NDF:867.4/9

+ sign -6.738+/-0.086 χ^2/NDF: 3315.2/27

All: -6.397+/-0.062 χ^2/NDF: 6513.8/56

- sign -6.025+/-0.090 χ^2/NDF: 3165.5/28


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: 0.159+/-0.005 χ²/NDF:284.3/9
+ sign 0.105+/-0.004 χ²/NDF: 1268.4/27
All: 0.101+/-0.003 χ²/NDF: 2996.8/56
- sign 0.096+/-0.004 χ²/NDF: 1726.4/28



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.497+/-0.118 χ^2/NDF:329.5/11

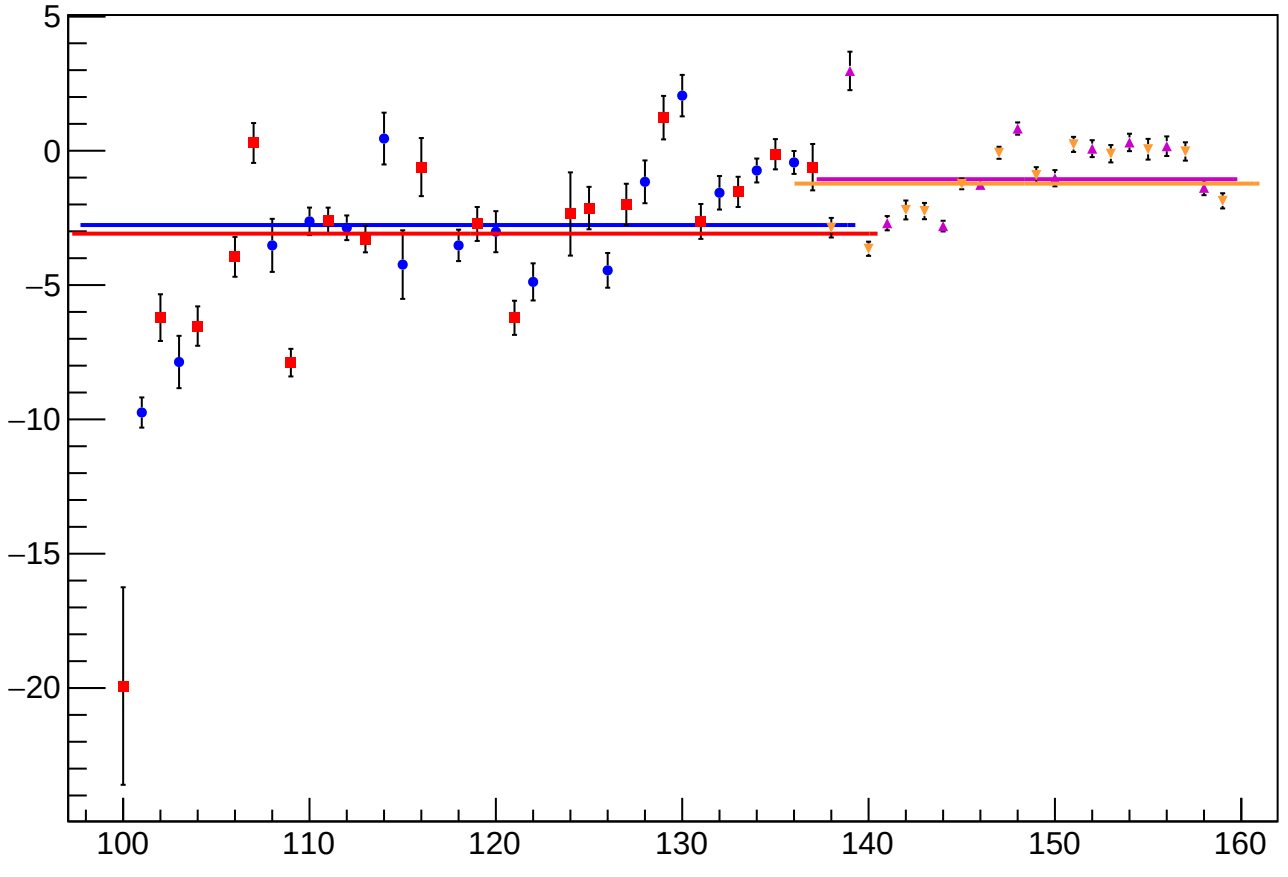
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.589+/-0.123 χ^2/NDF:293.2/9

\+ sign 1.629+/-0.089 χ^2/NDF: 1301.8/27

All: 1.033+/-0.063 χ^2/NDF: 3655.1/56

\- sign 0.441+/-0.089 χ^2/NDF: 2264.1/28



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

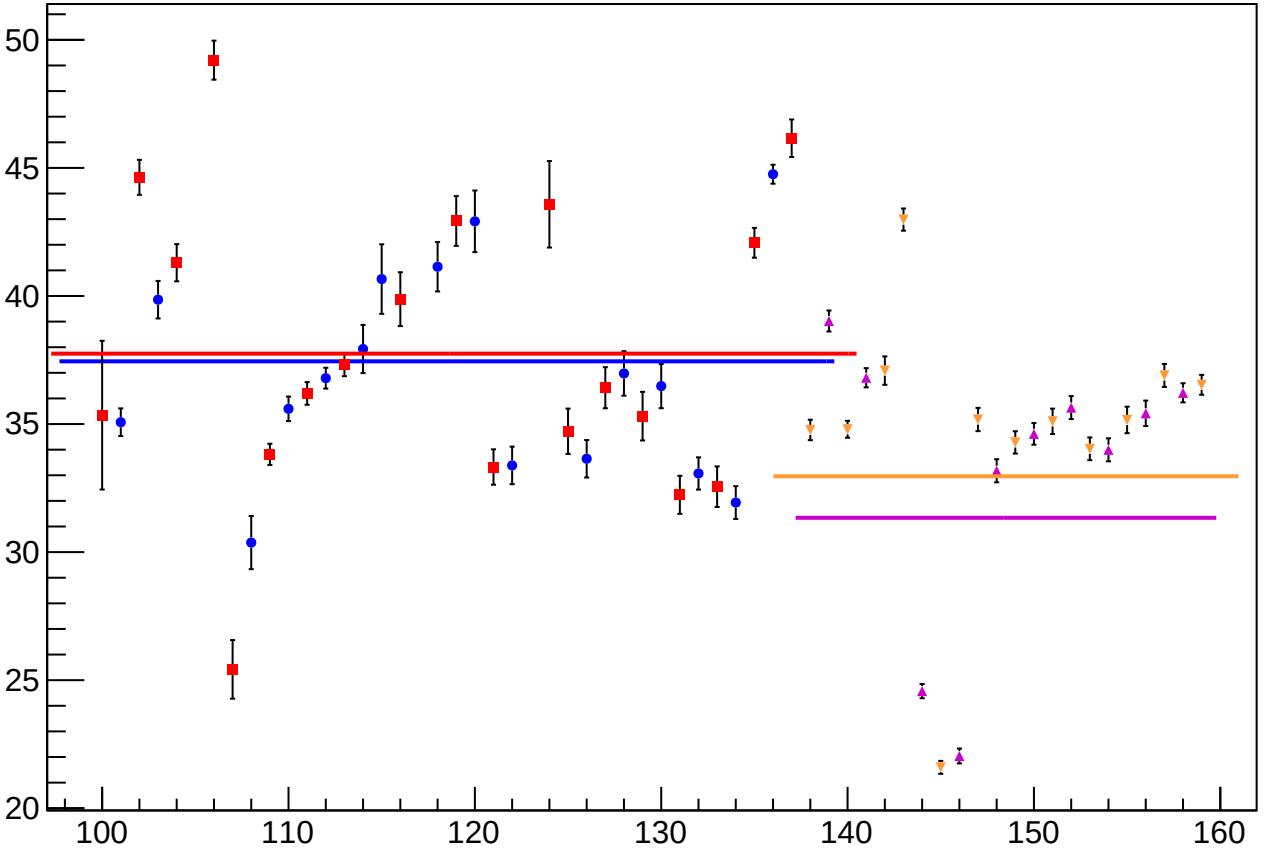
Left In: -1.060+/-0.083 χ^2/NDF:259.9/9

+ sign -1.559+/-0.073 χ^2/NDF: 604.4/27

All: -1.532+/-0.052 χ^2/NDF: 1266.2/56

- sign -1.504+/-0.074 χ^2/NDF: 661.5/28

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

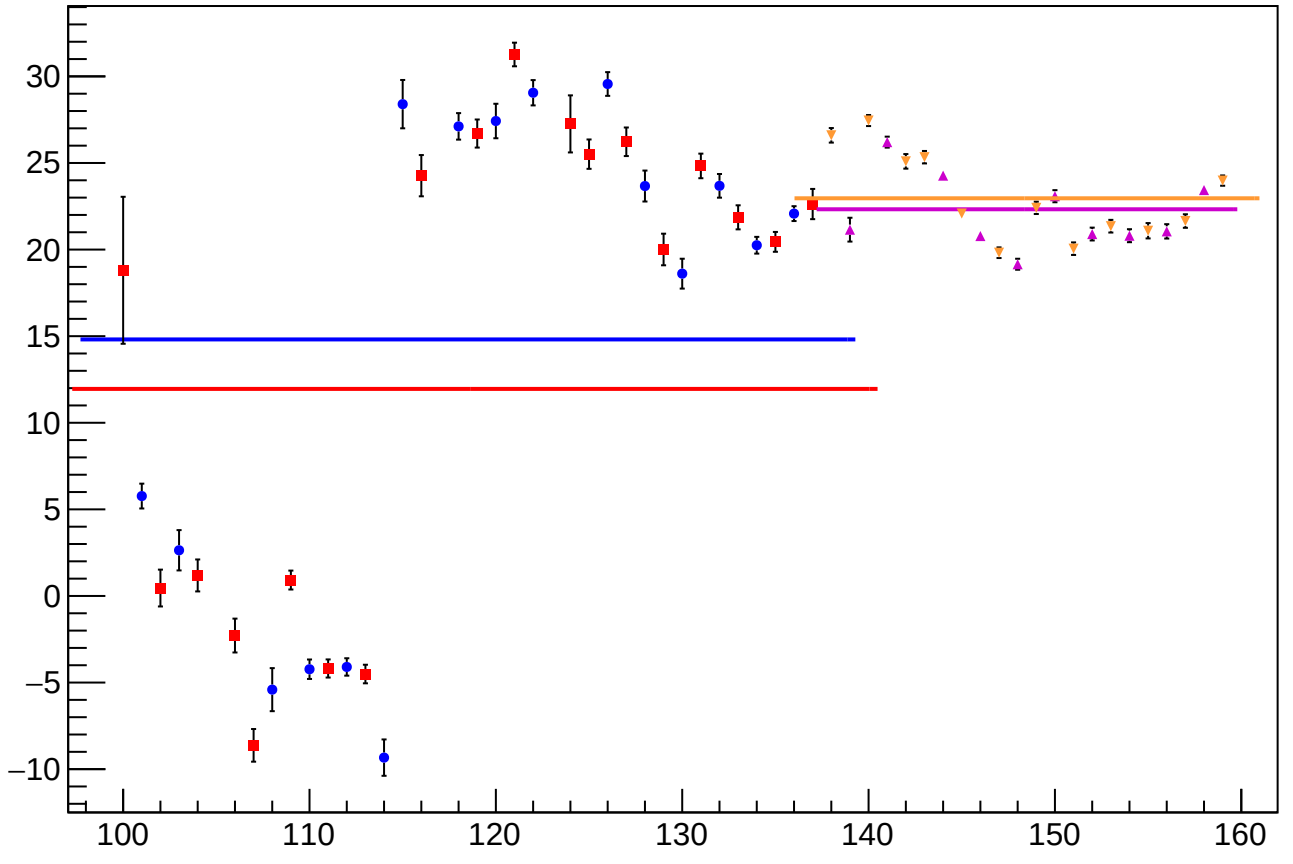
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.340+/-0.120 χ^2/NDF:2627.9/9

+ sign 34.498+/-0.094 χ^2/NDF: 4125.5/27

All: 34.084+/-0.067 χ^2/NDF: 8788.9/56

- sign 33.655+/-0.096 χ^2/NDF: 4623.9/28



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 22.961+/-0.098 χ^2/NDF:588.5/11

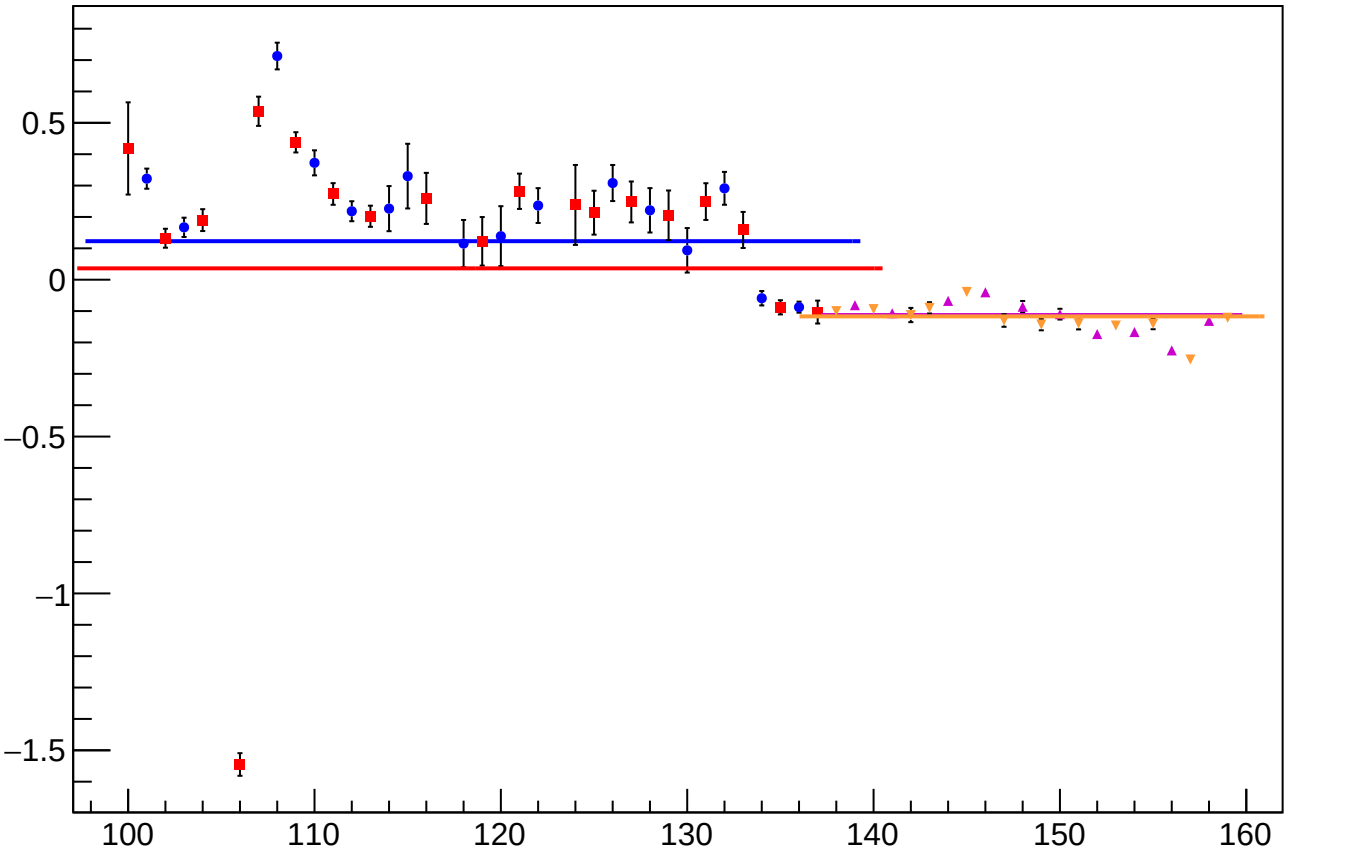
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.327+/-0.100 χ^2/NDF:430.7/9

+ sign 21.000+/-0.085 χ^2/NDF: 7943.0/27

All: 20.426+/-0.061 χ^2/NDF: 17184.2/56

- sign 19.831+/-0.087 χ^2/NDF: 9148.8/28



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

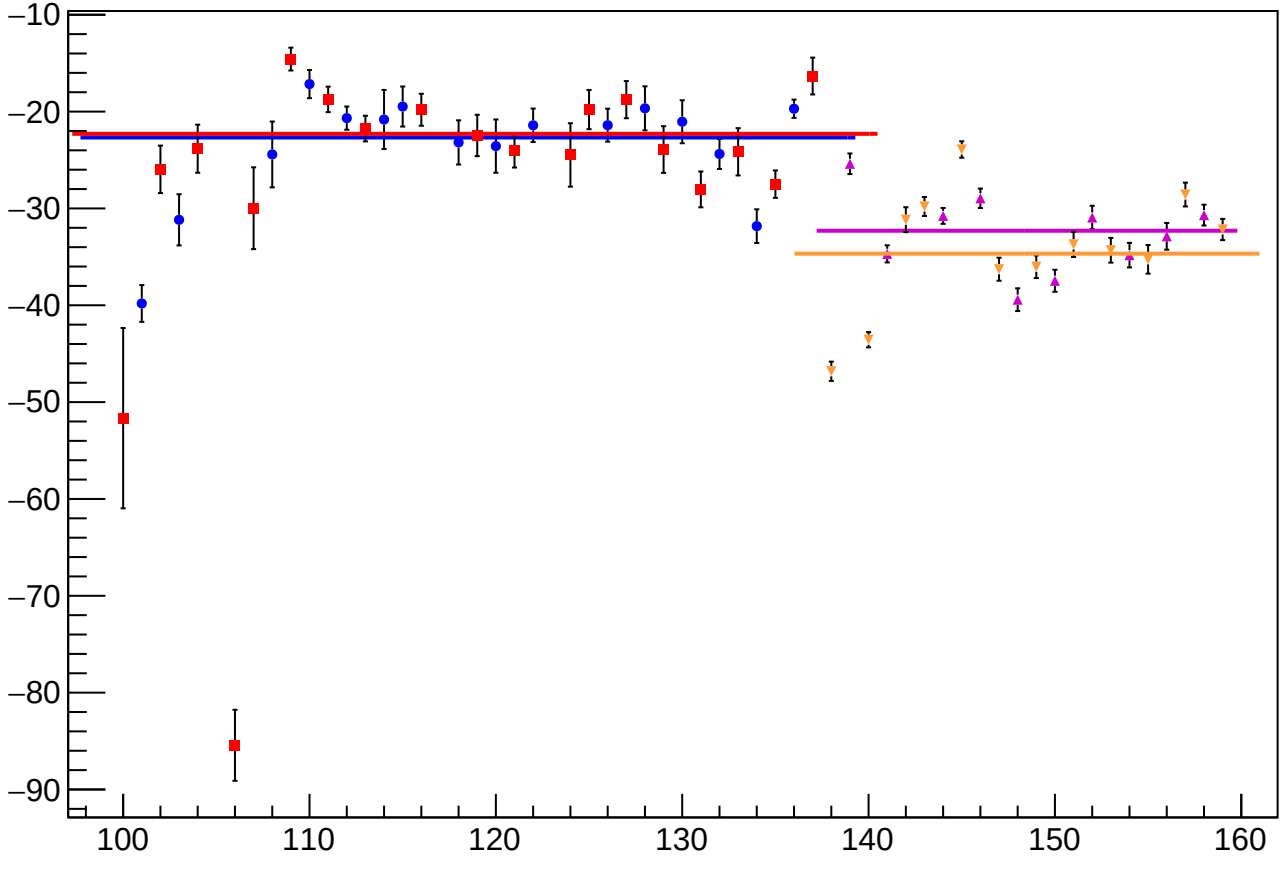
Left In: -0.113+/-0.005 χ^2/NDF:133.1/9

+ sign -0.072+/-0.004 χ^2/NDF: 1211.6/27

All: -0.079+/-0.003 χ^2/NDF: 3953.6/56

- sign -0.085+/-0.004 χ^2/NDF: 2737.0/28

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

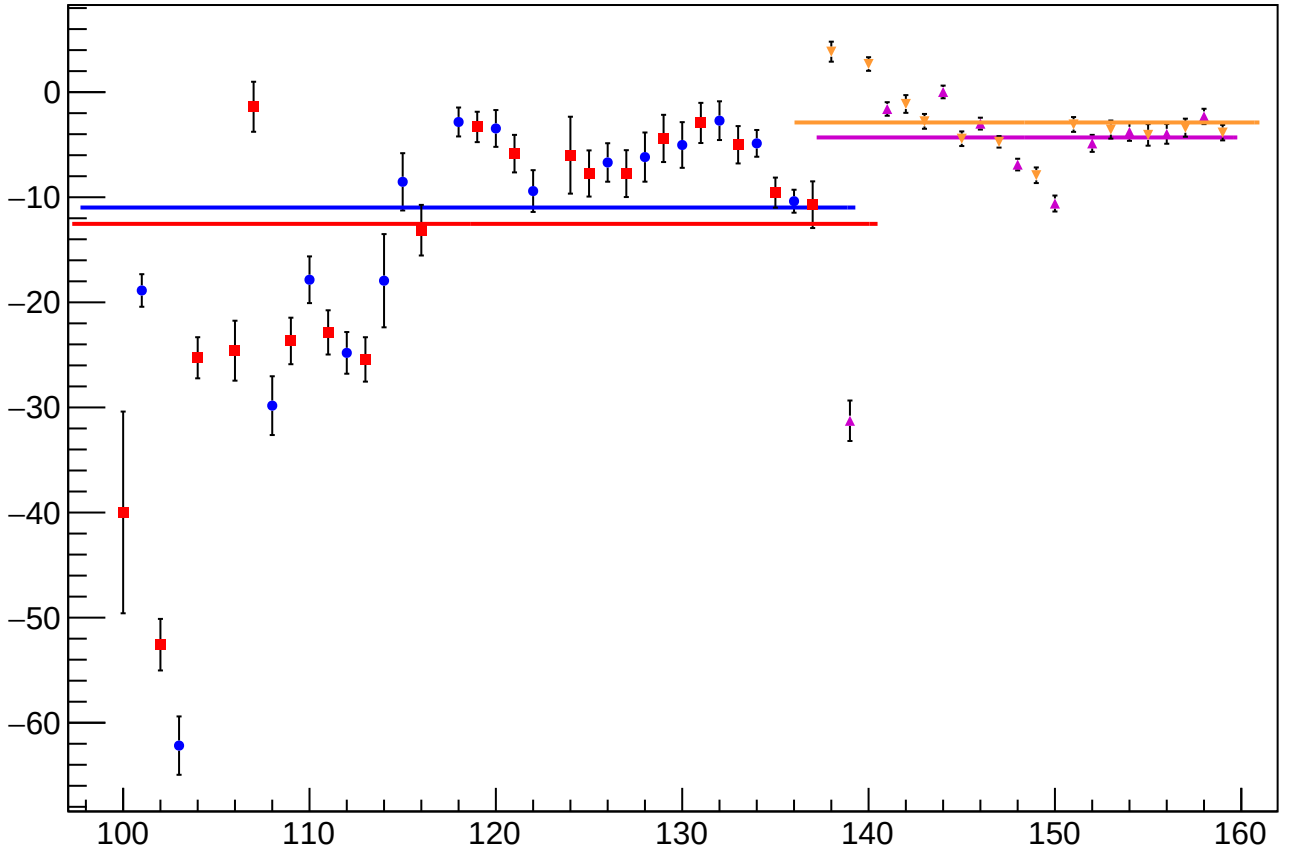
Left In: -32.301+/-0.337 χ^2/NDF:129.2/9

+ sign -30.581+/-0.254 χ^2/NDF: 1159.2/27

All: -29.617+/-0.184 χ^2/NDF: 2055.0/56

- sign -28.556+/-0.266 χ^2/NDF: 865.5/28

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.885+/-0.215 χ^2/NDF:194.1/11

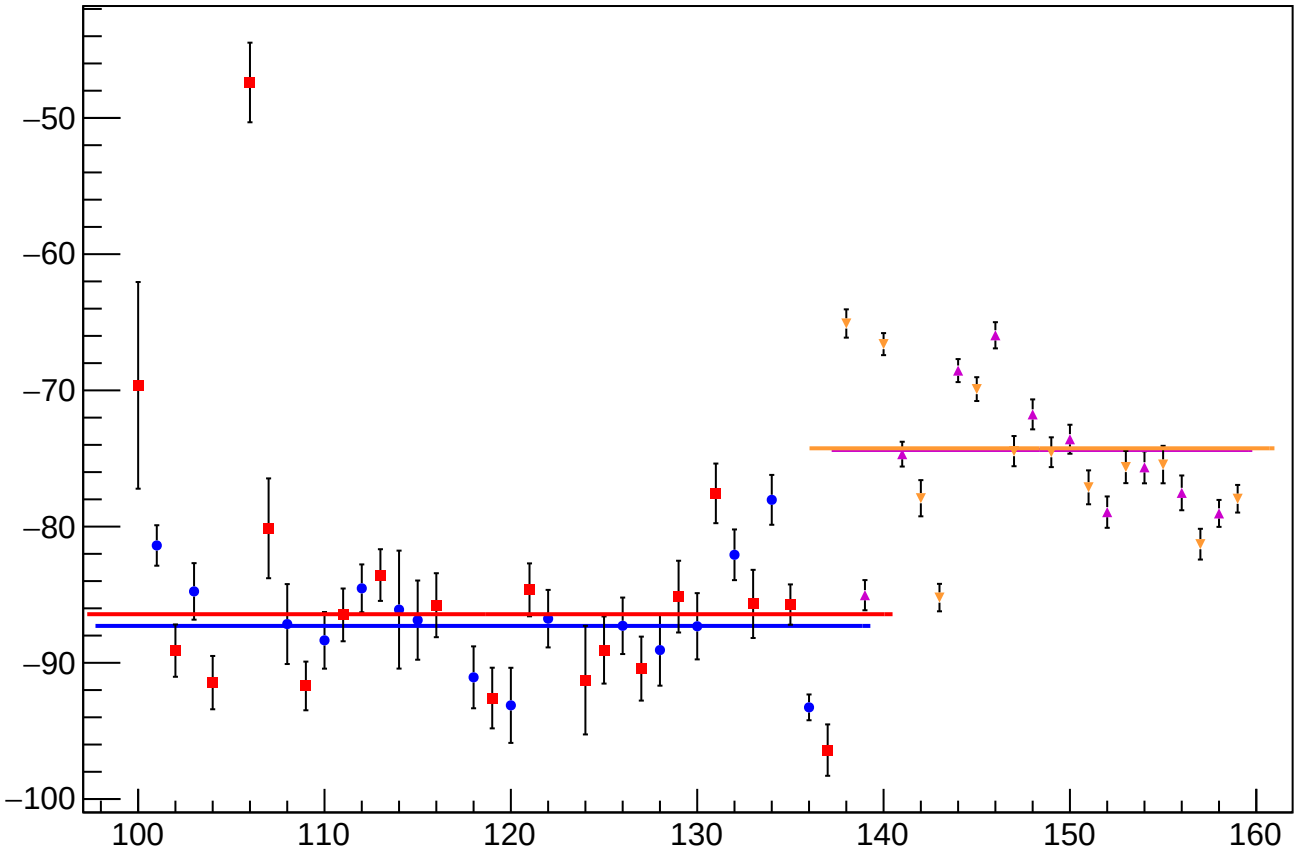
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.311+/-0.227 χ^2/NDF:369.0/9

+ sign -4.372+/-0.194 χ^2/NDF: 1041.5/27

All: -5.050+/-0.141 χ^2/NDF: 2247.6/56

- sign -5.805+/-0.205 χ^2/NDF: 1180.3/28



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

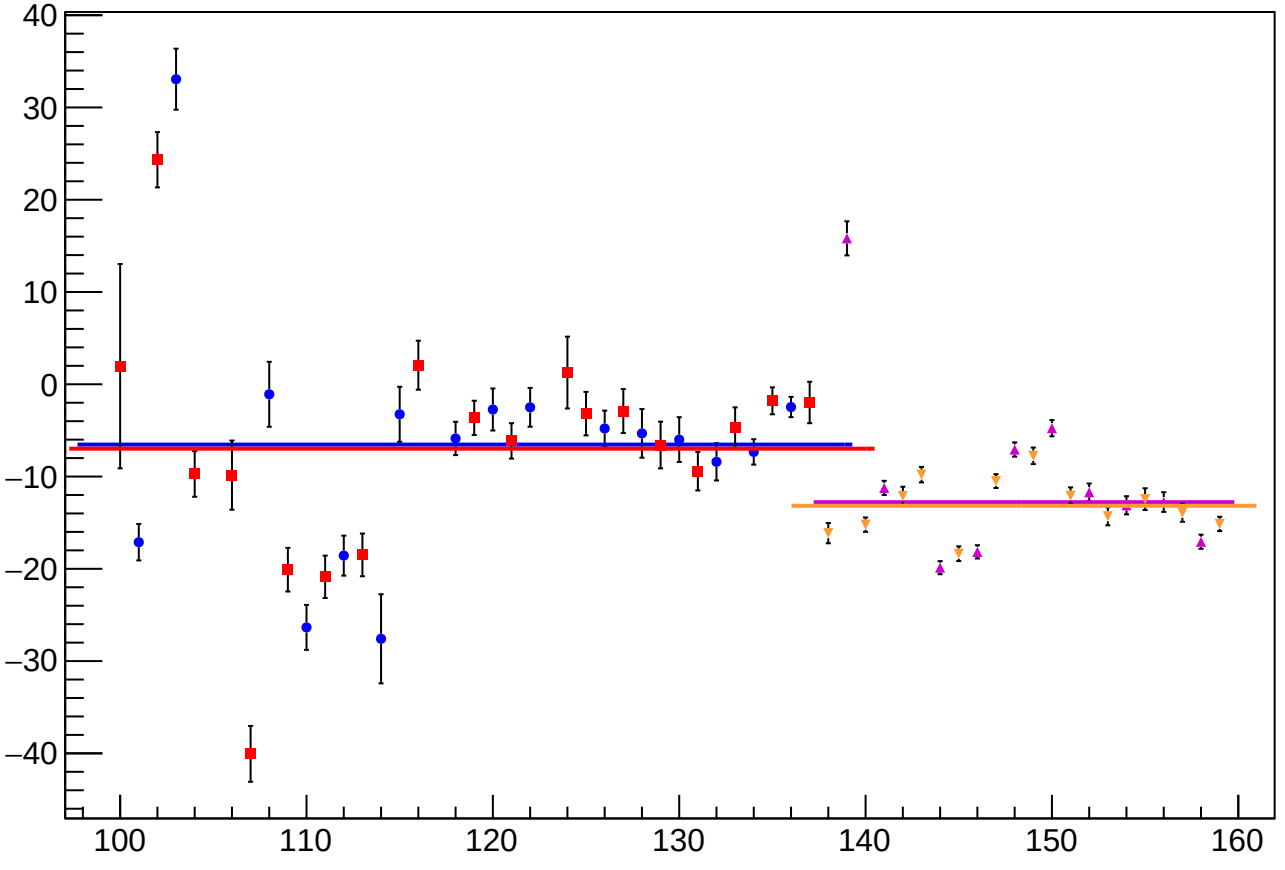
Left In: -74.374+/-0.327 χ^2/NDF:268.3/9

+ sign -78.031+/-0.259 χ^2/NDF: 1001.3/27

All: -77.985+/-0.188 χ^2/NDF: 1934.7/56

- sign -77.933+/-0.275 χ^2/NDF: 933.4/28

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -13.169+/-0.257 χ^2/NDF:133.5/11

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

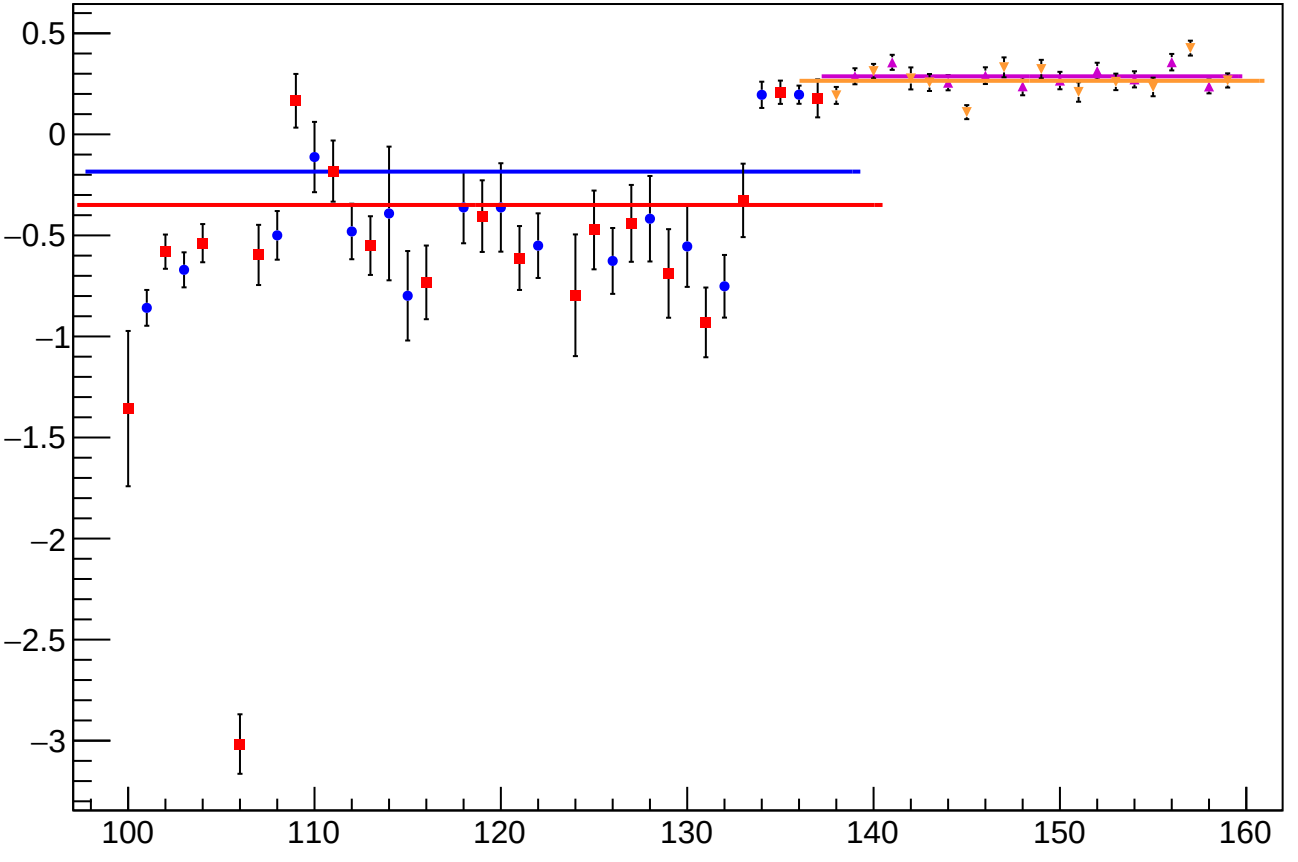
Left In: -12.782+/-0.271 χ^2/NDF:569.8/9

+ sign -11.817+/-0.229 χ^2/NDF: 583.3/27

All: -11.723+/-0.167 χ^2/NDF: 1613.5/56

- sign -11.617+/-0.243 χ^2/NDF: 1029.9/28

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

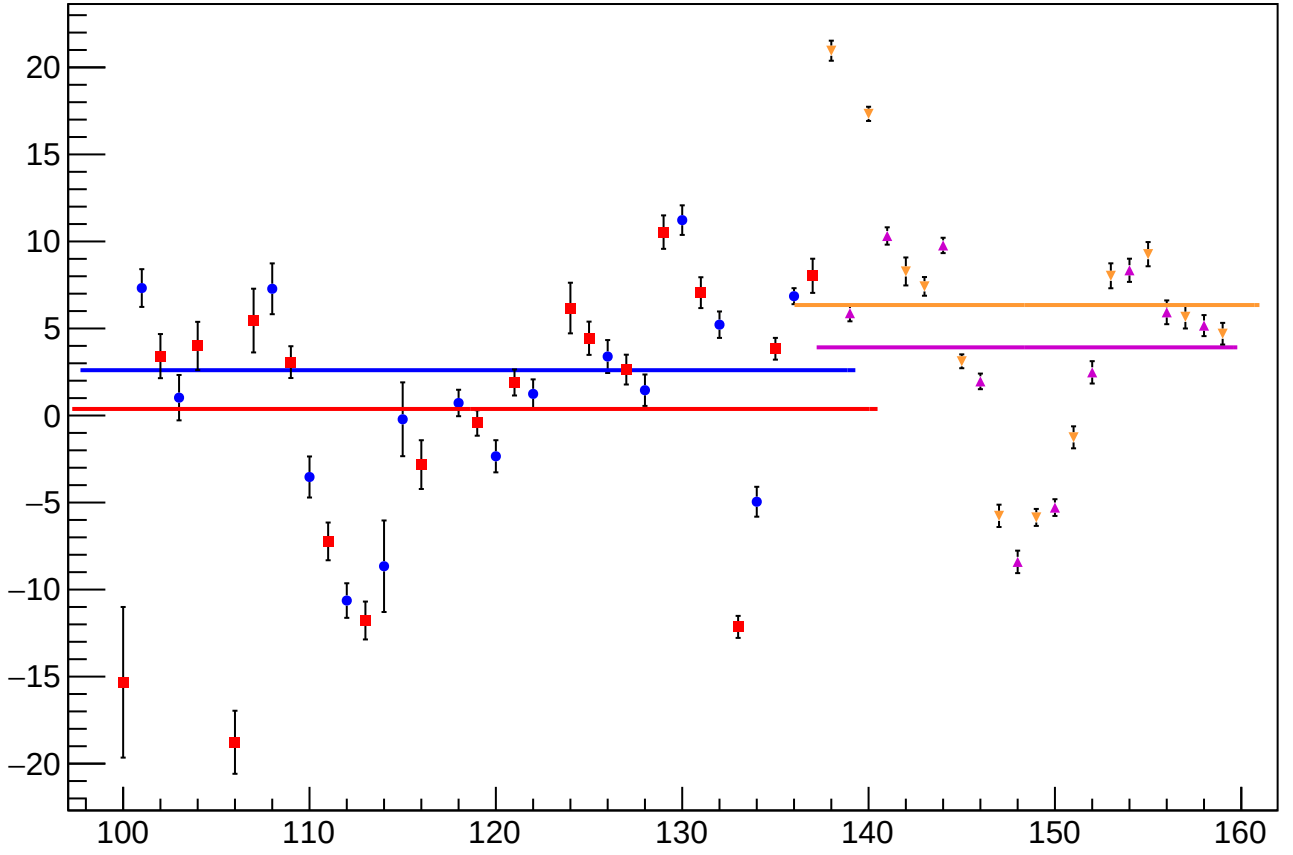
Left In: 0.287+/-0.013 χ^2/NDF:11.2/9

+ sign 0.190+/-0.011 χ^2/NDF: 531.4/27

All: 0.189+/-0.008 χ^2/NDF: 1457.4/56

- sign 0.189+/-0.012 χ^2/NDF: 926.0/28

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

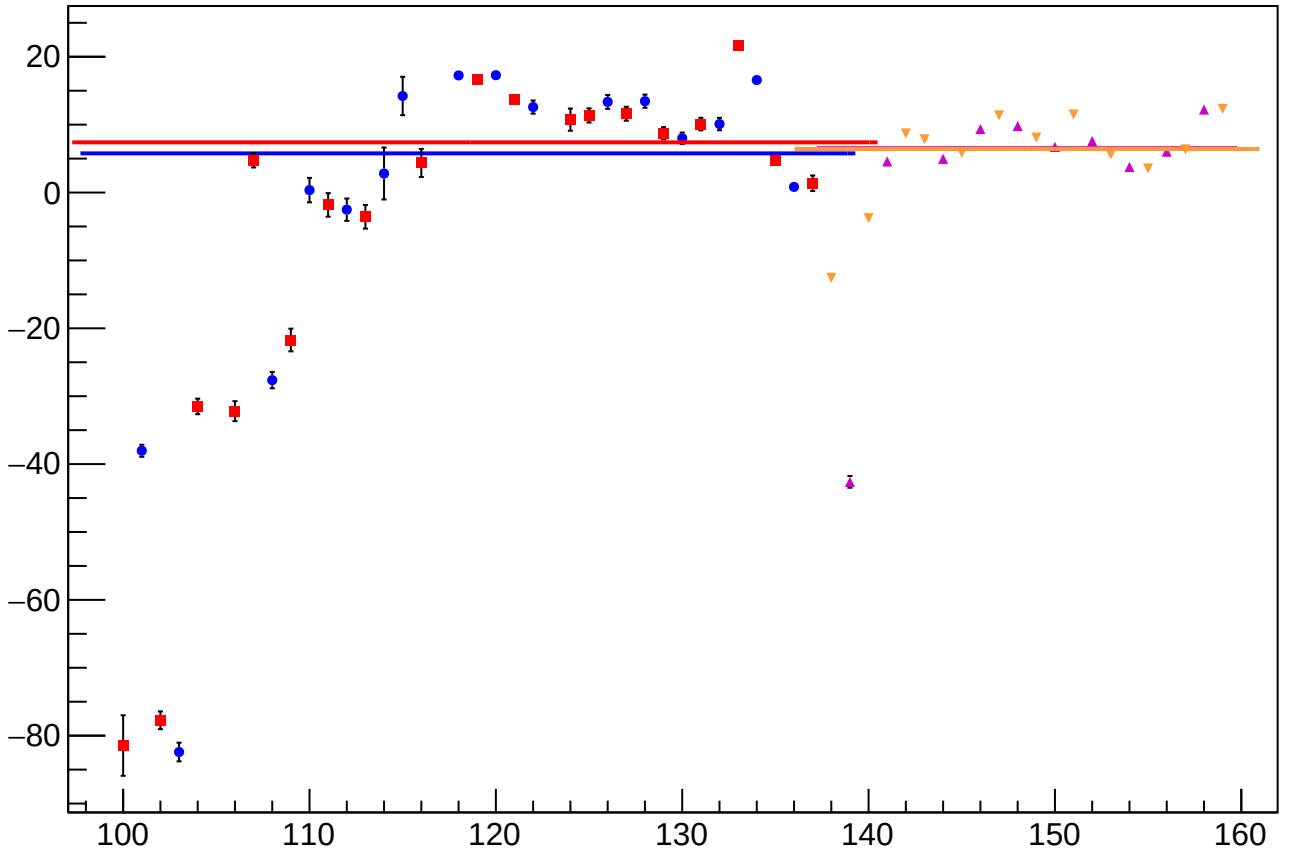
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.916+/-0.169 χ^2/NDF:1171.2/9

+ sign 5.066+/-0.131 χ^2/NDF: 3355.3/27

All: 3.874+/-0.094 χ^2/NDF: 5887.8/56

- sign 2.619+/-0.135 χ^2/NDF: 2362.8/28



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

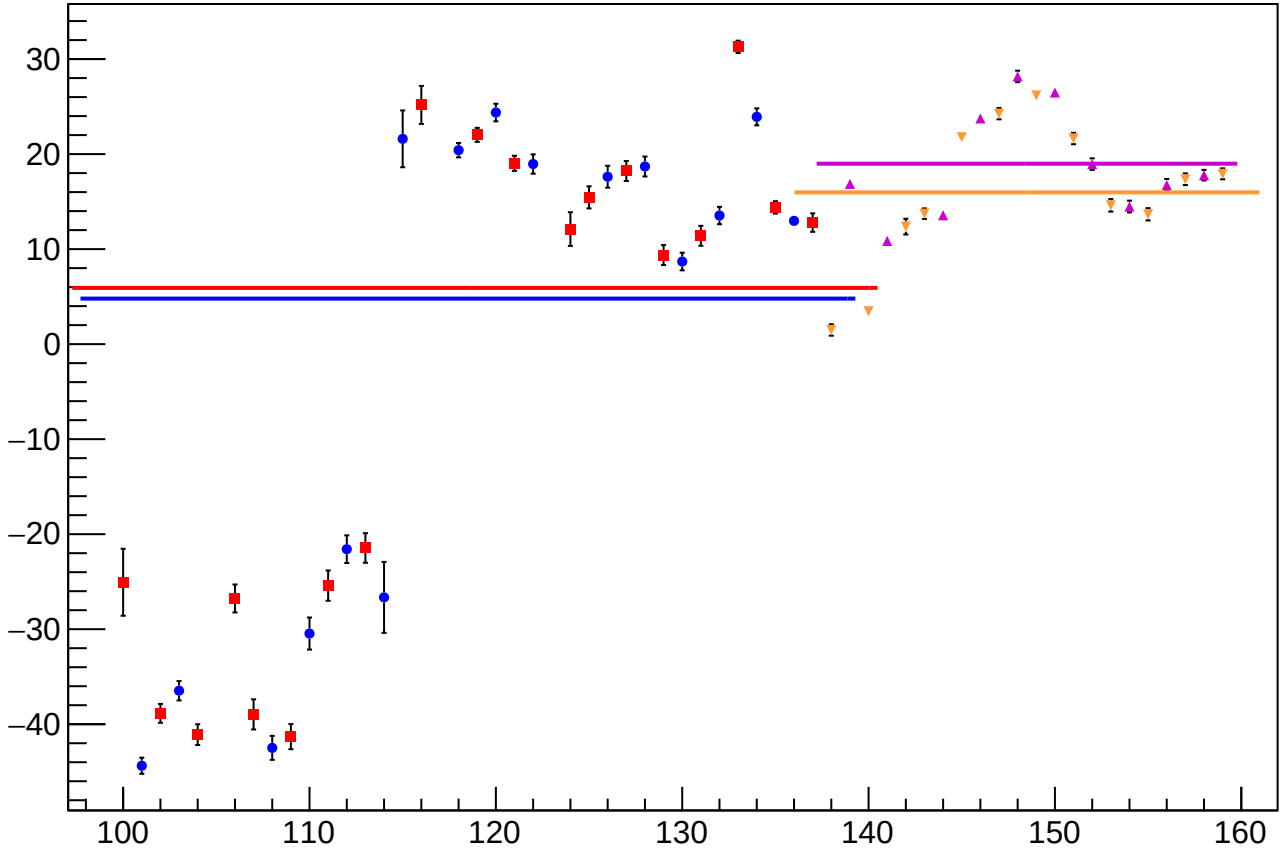
Left In: 6.530+/-0.118 χ^2/NDF:3780.5/9

+ sign 6.268+/-0.099 χ^2/NDF: 11670.7/27

All: 6.495+/-0.071 χ^2/NDF: 23865.6/56

- sign 6.738+/-0.103 χ^2/NDF: 12184.0/28

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

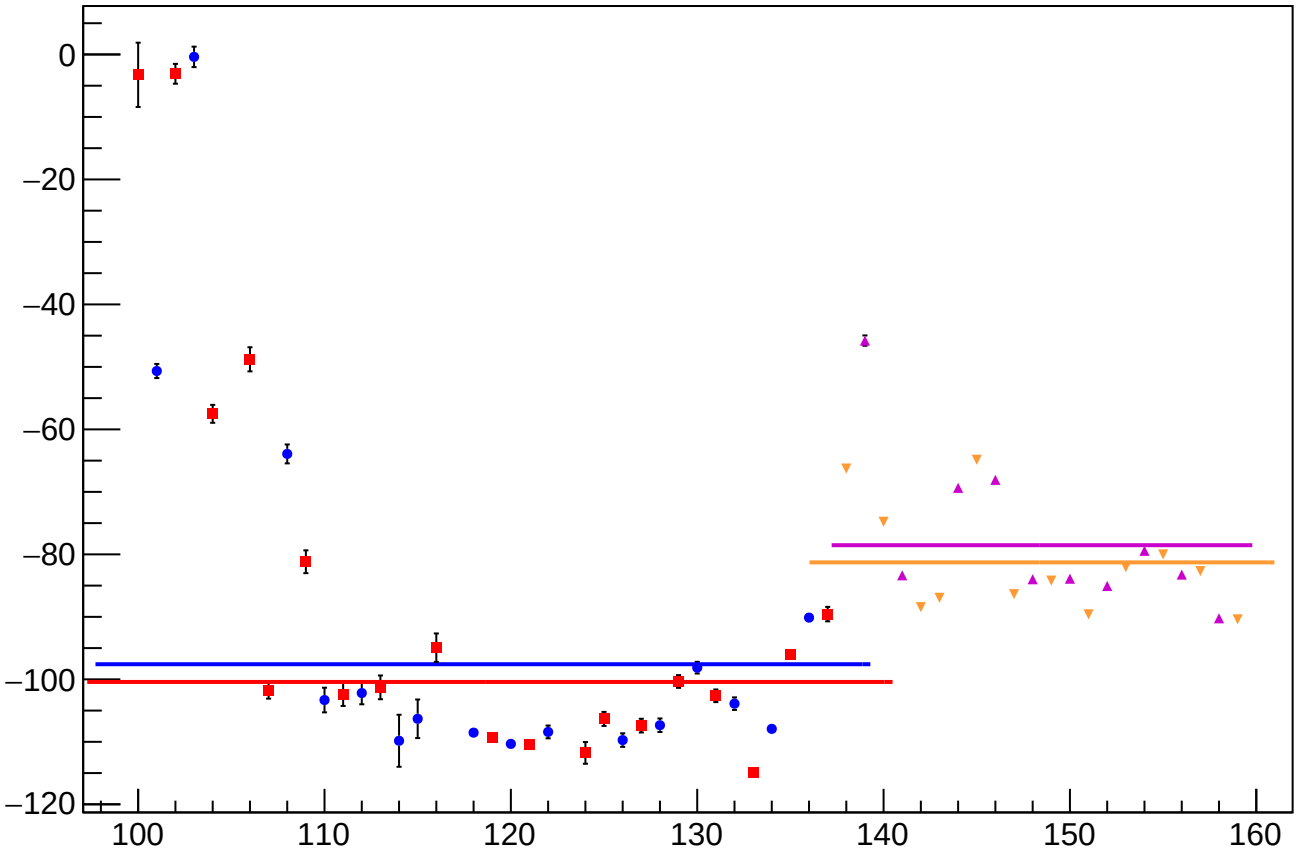
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 18.990+/-0.164 χ^2/NDF:1116.0/9

+ sign 12.527+/-0.132 χ^2/NDF: 13547.9/27

All: 13.638+/-0.095 χ^2/NDF: 26889.1/56

- sign 14.814+/-0.136 χ^2/NDF: 13195.0/28



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

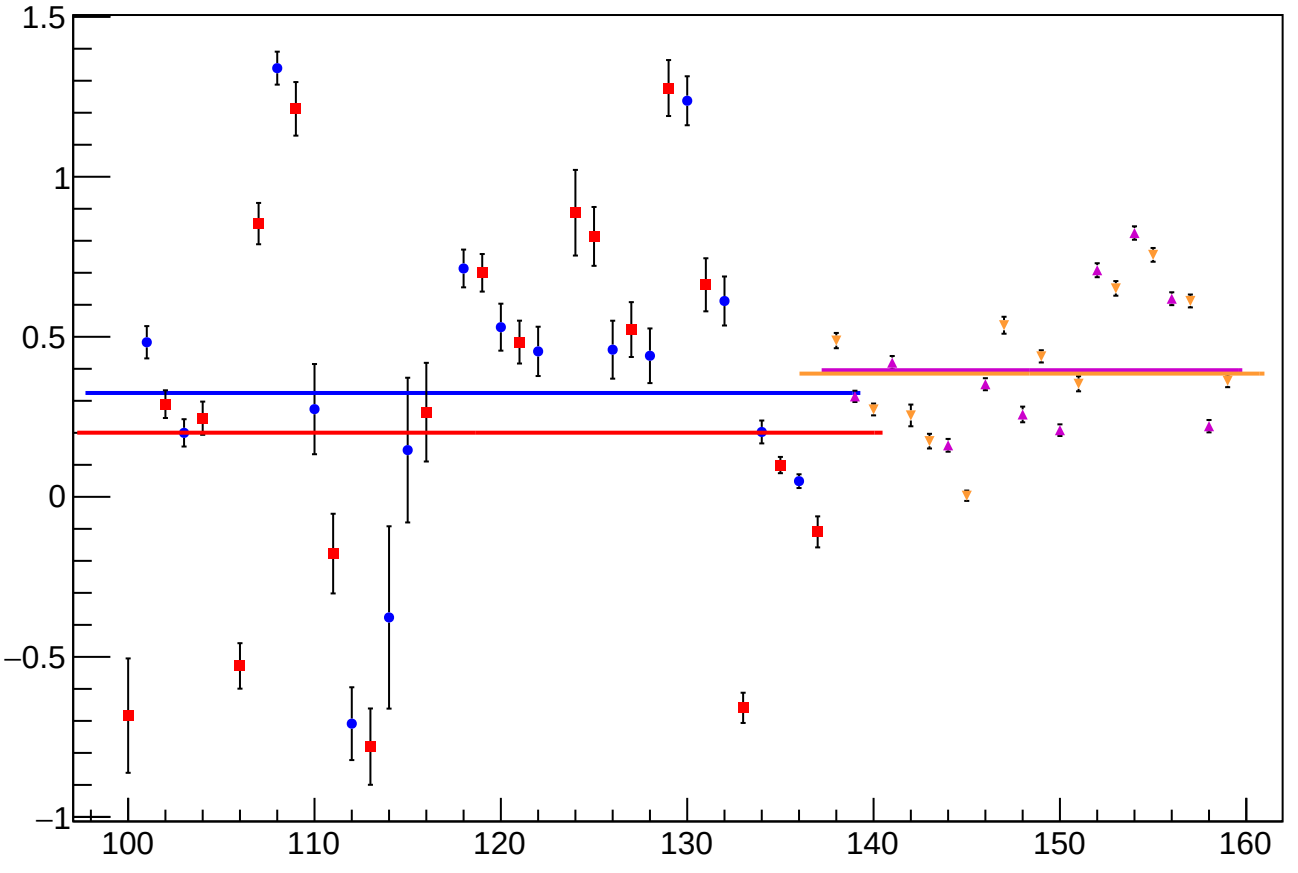
Left In: -78.533+/-0.140 χ^2/NDF:4566.5/9

\+ sign -85.117+/-0.117 χ^2/NDF: 14551.7/27

All: -84.588+/-0.084 χ^2/NDF: 32453.0/56

\- sign -84.027+/-0.121 χ^2/NDF: 17859.3/28

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

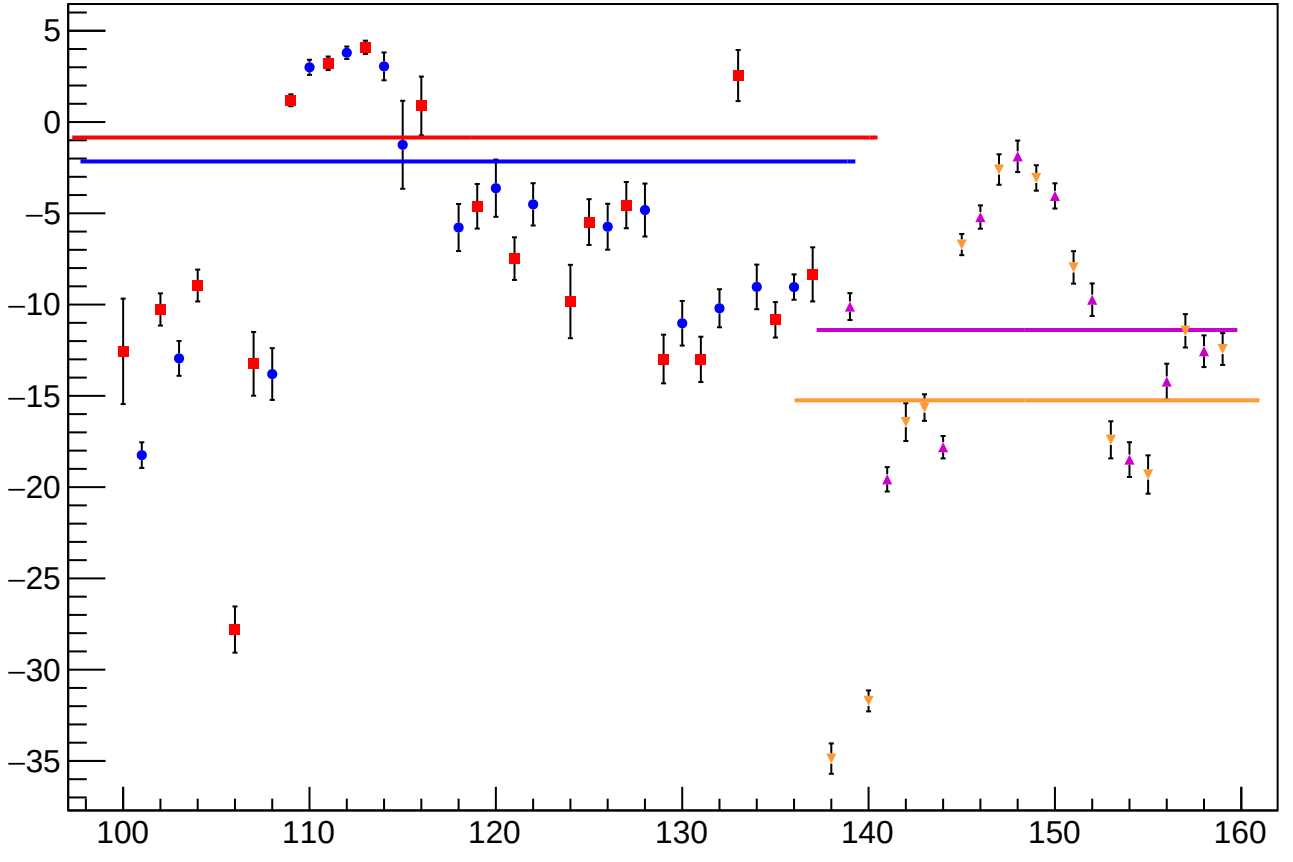
Left In: 0.396+/-0.006 χ^2/NDF:1130.3/9

+ sign 0.374+/-0.006 χ^2/NDF: 2217.1/27

All: 0.368+/-0.004 χ^2/NDF: 4720.5/56

- sign 0.362+/-0.006 χ^2/NDF: 2501.0/28

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

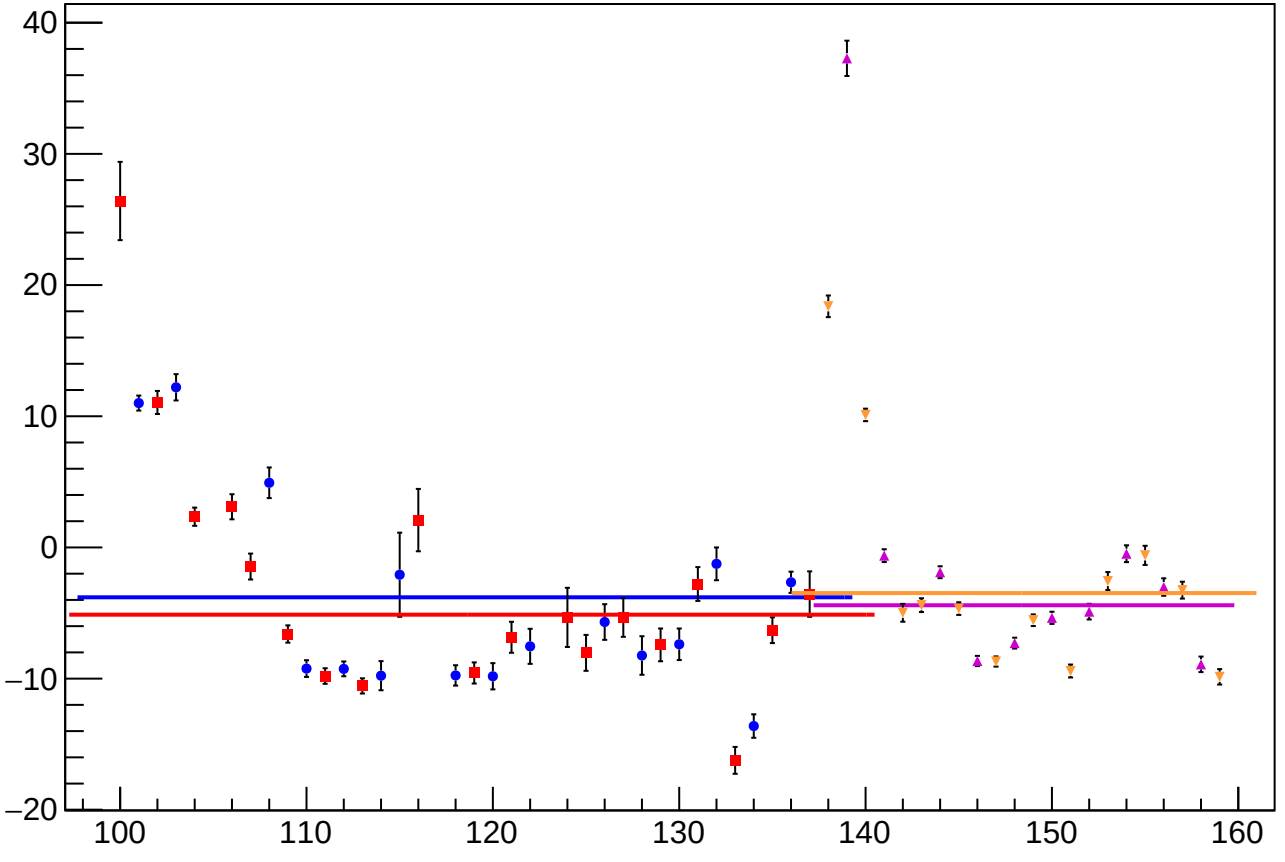
Left In: -11.392+/-0.240 χ^2/NDF:659.4/9

+ sign -7.618+/-0.147 χ^2/NDF: 5674.4/27

All: -5.913+/-0.101 χ^2/NDF: 9338.7/56

- sign -4.380+/-0.139 χ^2/NDF: 3407.2/28

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

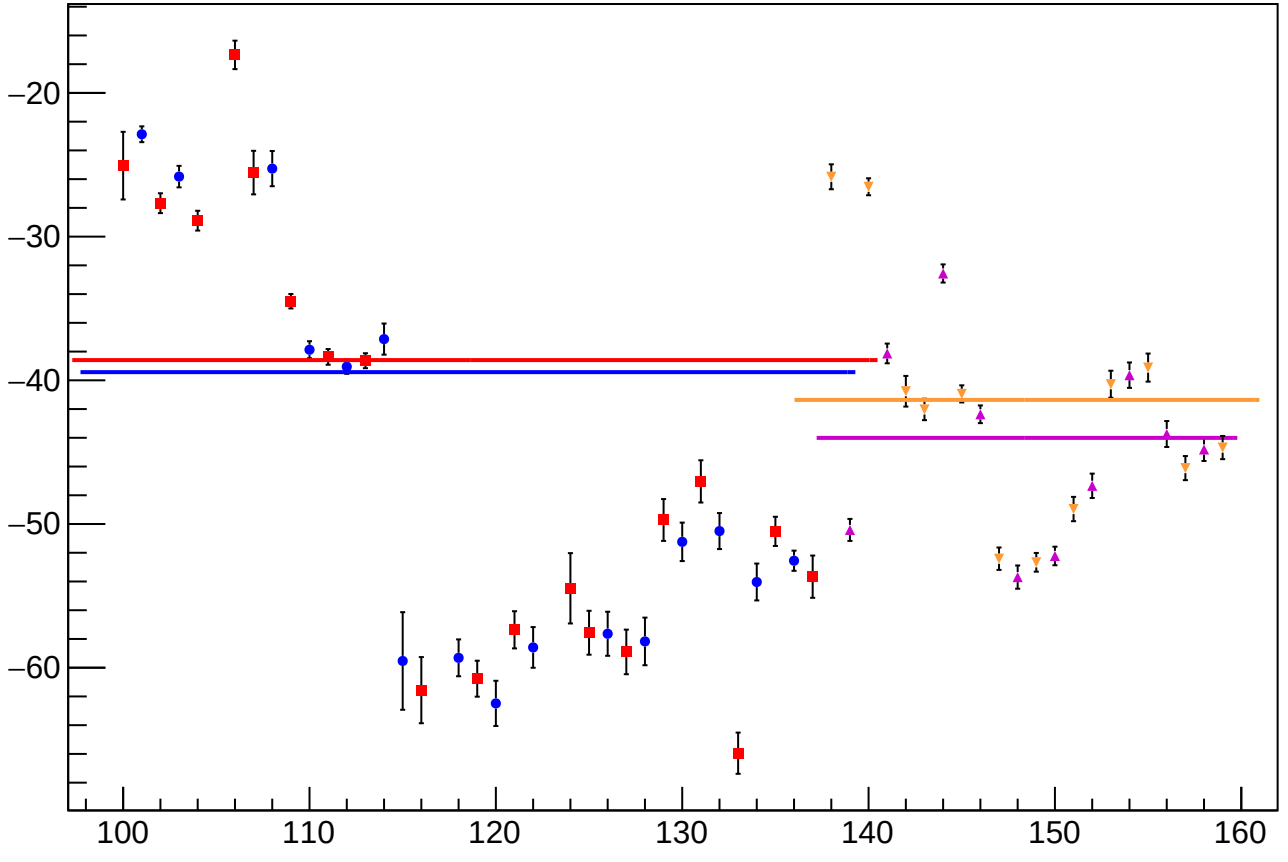
Left In: -4.406+/-0.164 χ^2/NDF:1323.2/9

+ sign -3.581+/-0.128 χ^2/NDF: 3432.3/27

All: -4.111+/-0.092 χ^2/NDF: 5777.8/56

- sign -4.666+/-0.131 χ^2/NDF: 2310.7/28

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

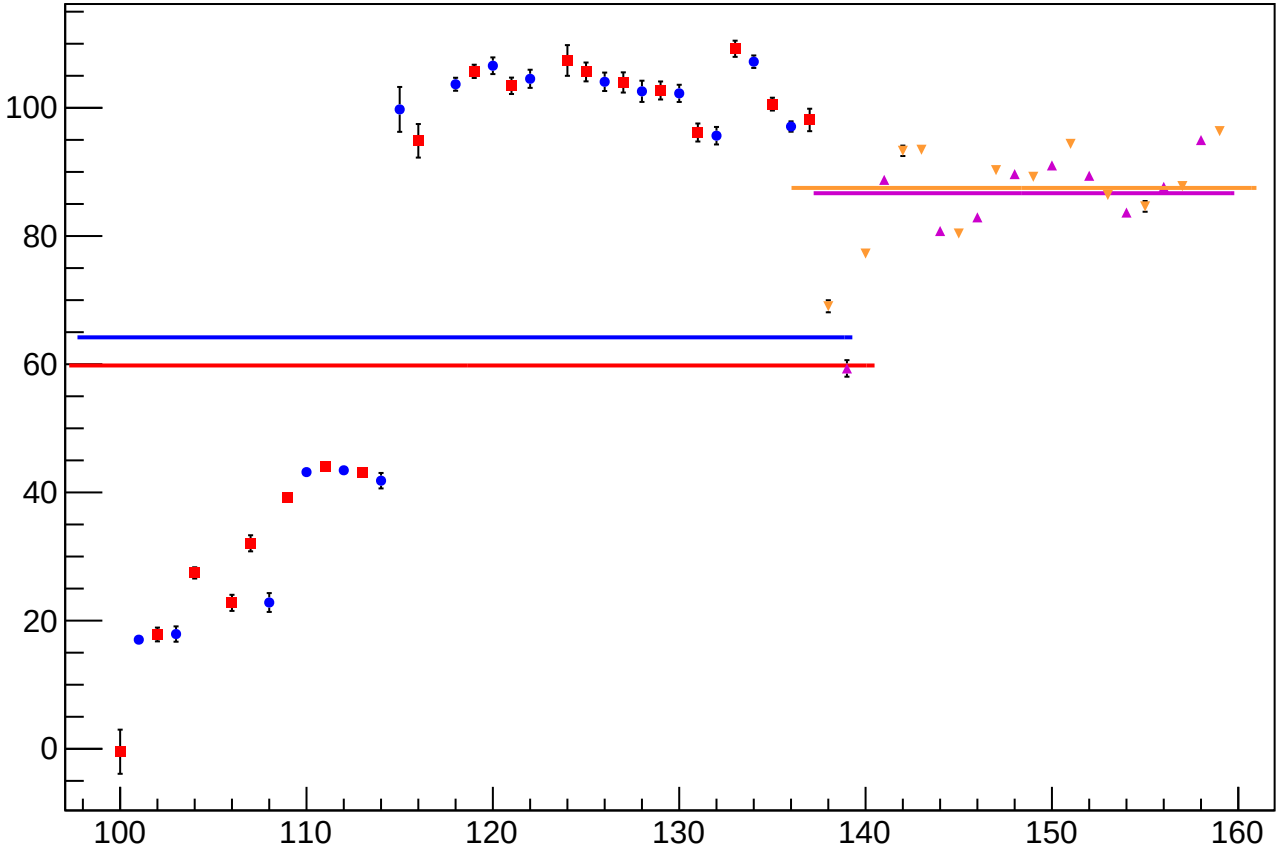
Left In: -44.006+/-0.233 χ^2/NDF:824.5/9

+ sign -40.410+/-0.158 χ^2/NDF: 4585.5/27

All: -40.731+/-0.112 χ^2/NDF: 8484.3/56

- sign -41.046+/-0.157 χ^2/NDF: 3890.6/28

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

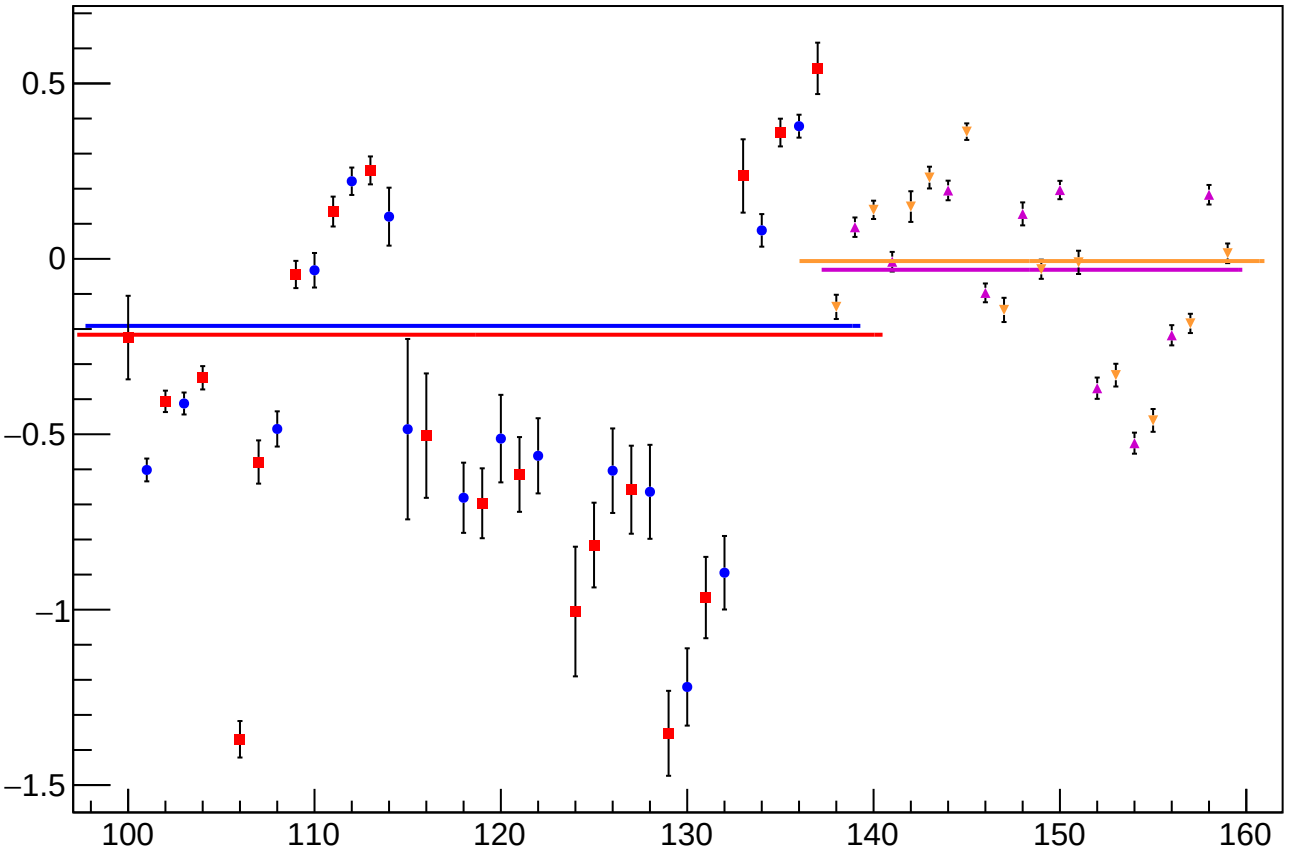
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 86.680+/-0.196 χ^2/NDF:947.9/9

+ sign 79.471+/-0.151 χ^2/NDF: 25353.1/27

All: 77.965+/-0.108 χ^2/NDF: 51145.6/56

- sign 76.407+/-0.154 χ^2/NDF: 25590.5/28



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

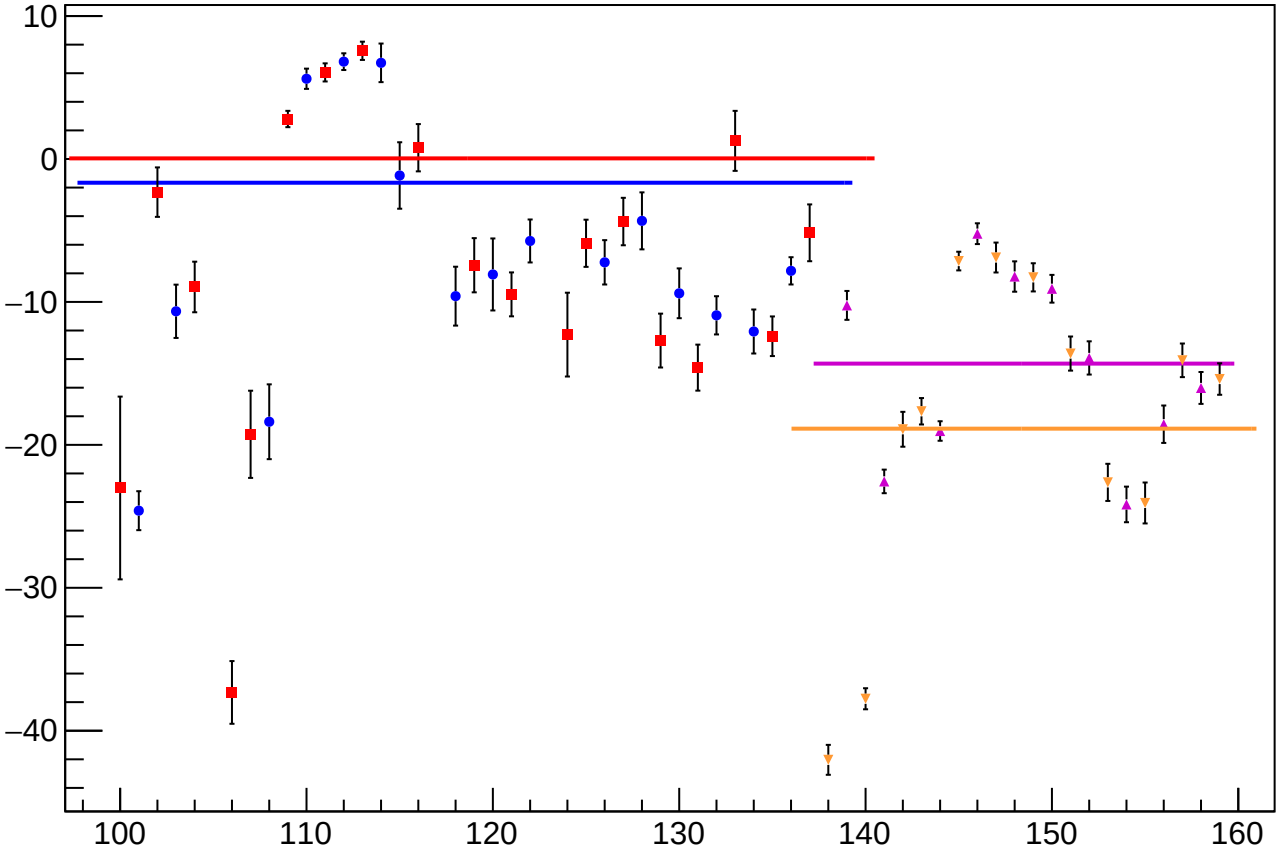
Left In: -0.031+/-0.009 χ^2/NDF:686.8/9

+ sign -0.061+/-0.007 χ^2/NDF: 1769.4/27

All: -0.076+/-0.005 χ^2/NDF: 3971.0/56

- sign -0.092+/-0.007 χ^2/NDF: 2192.8/28

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

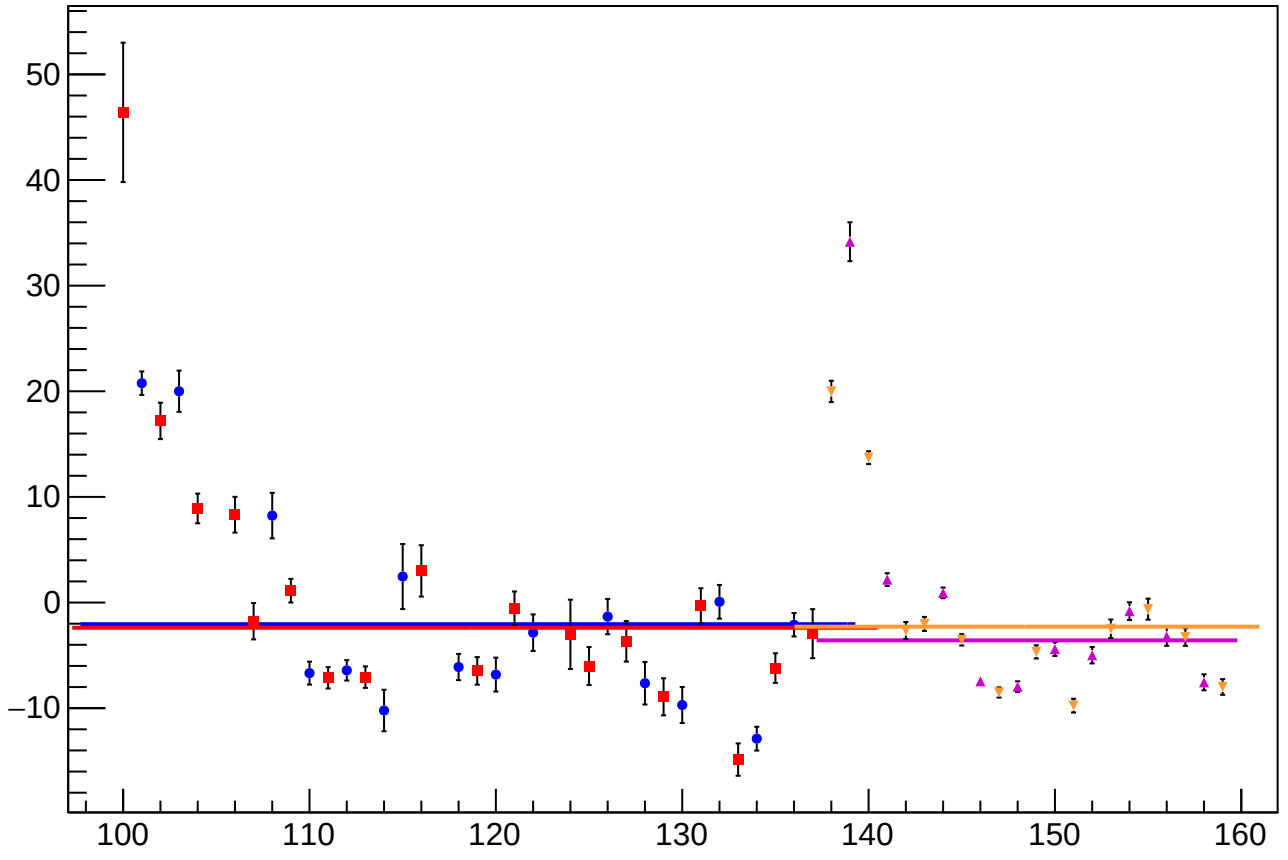
Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -14.316+/-0.299 χ^2/NDF:457.3/9

+ sign -10.898+/-0.210 χ^2/NDF: 4360.3/27

All: -8.763+/-0.147 χ^2/NDF: 7173.4/56

- sign -6.720+/-0.205 χ^2/NDF: 2610.1/28



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -2.286+/-0.197 χ^2/NDF:1559.4/11

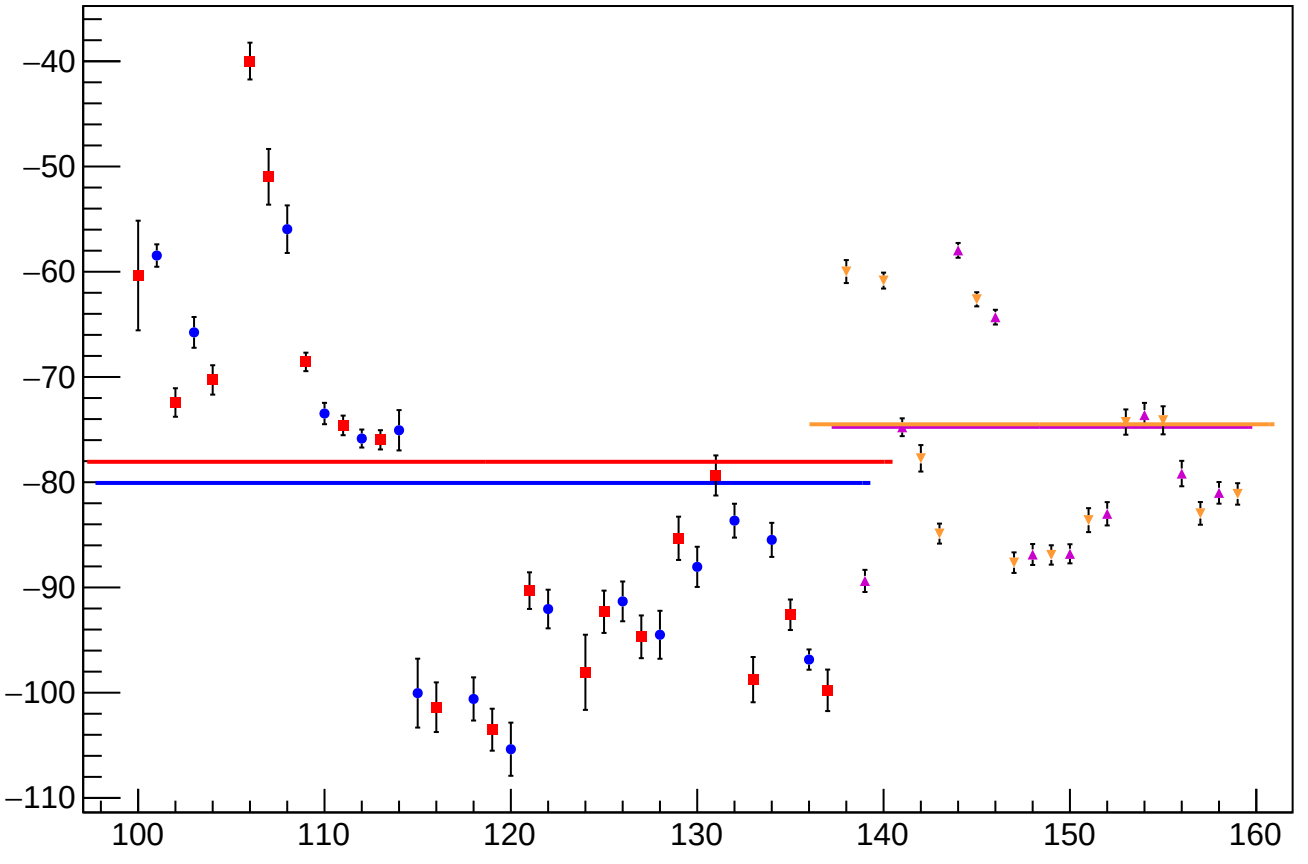
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.580+/-0.201 χ^2/NDF:790.7/9

+ sign -2.230+/-0.172 χ^2/NDF: 2331.7/27

All: -2.753+/-0.123 χ^2/NDF: 3600.5/56

- sign -3.290+/-0.175 χ^2/NDF: 1250.2/28



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

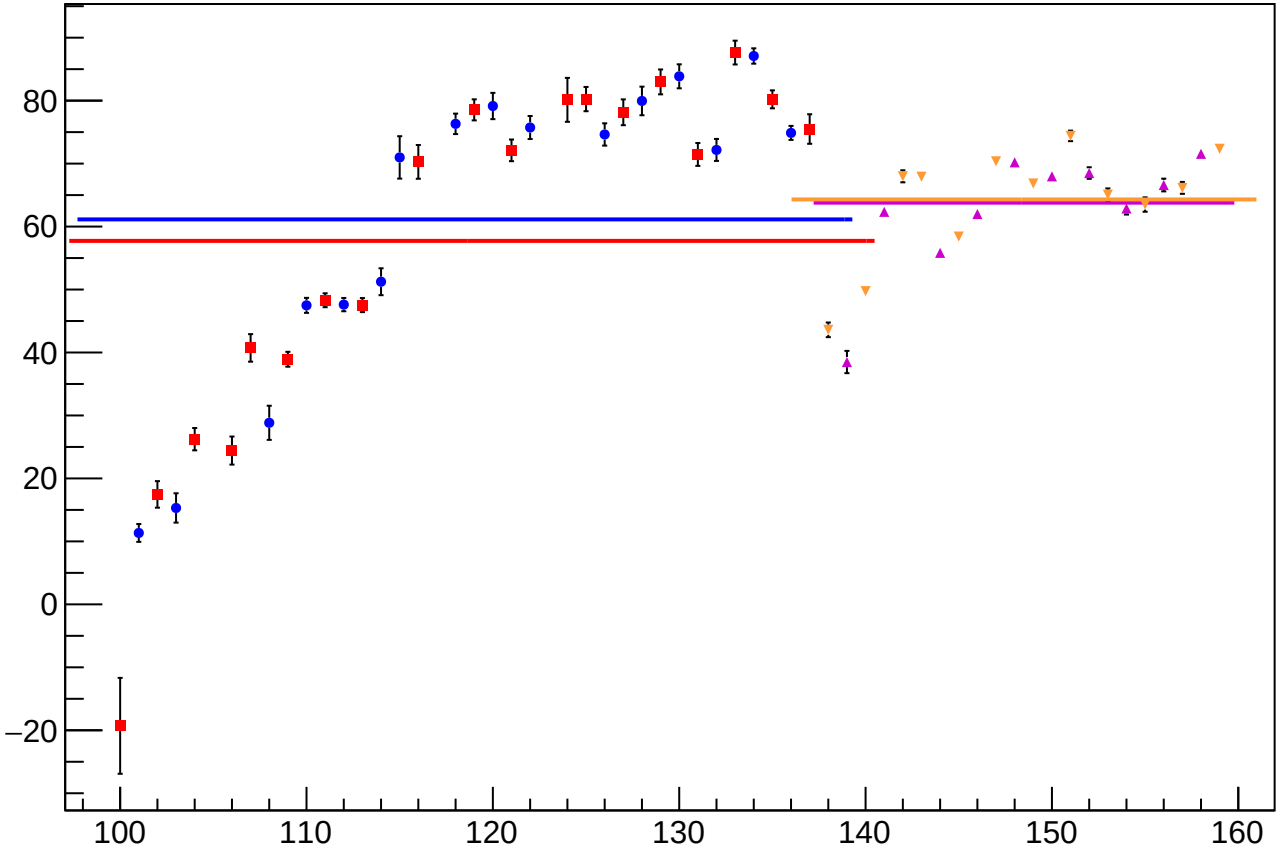
Left In: -74.736+/-0.291 χ^2/NDF:1416.4/9

+ sign -76.579+/-0.223 χ^2/NDF: 3005.0/27

All: -76.332+/-0.158 χ^2/NDF: 6037.7/56

- sign -76.080+/-0.225 χ^2/NDF: 3030.2/28

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

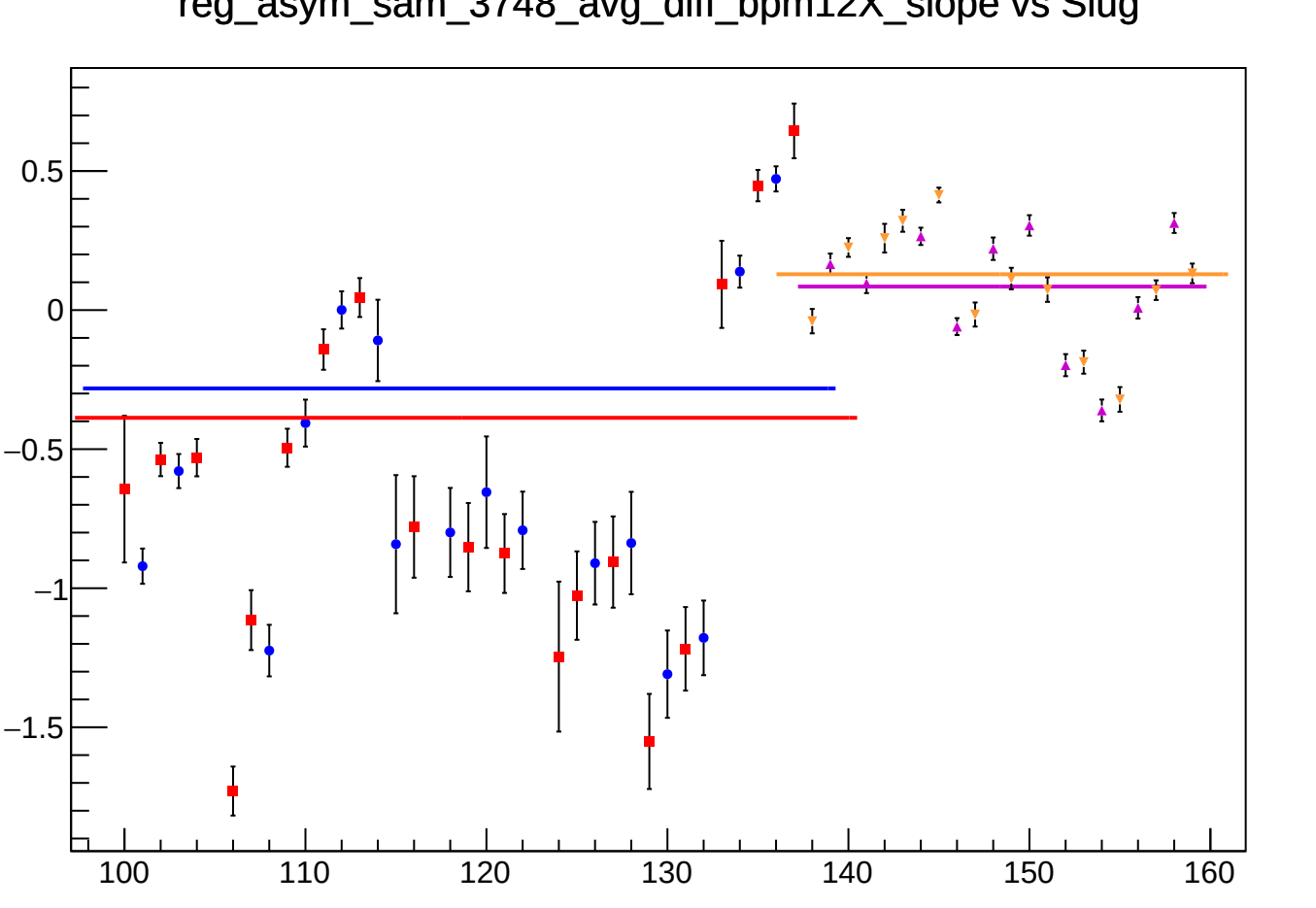
Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 63.798+/-0.241 χ^2/NDF:646.3/9

+ sign 63.489+/-0.203 χ^2/NDF: 4467.1/27

All: 62.845+/-0.145 χ^2/NDF: 8078.2/56

- sign 62.179+/-0.207 χ^2/NDF: 3590.7/28



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.129+/-0.011 χ^2/NDF:343.6/11

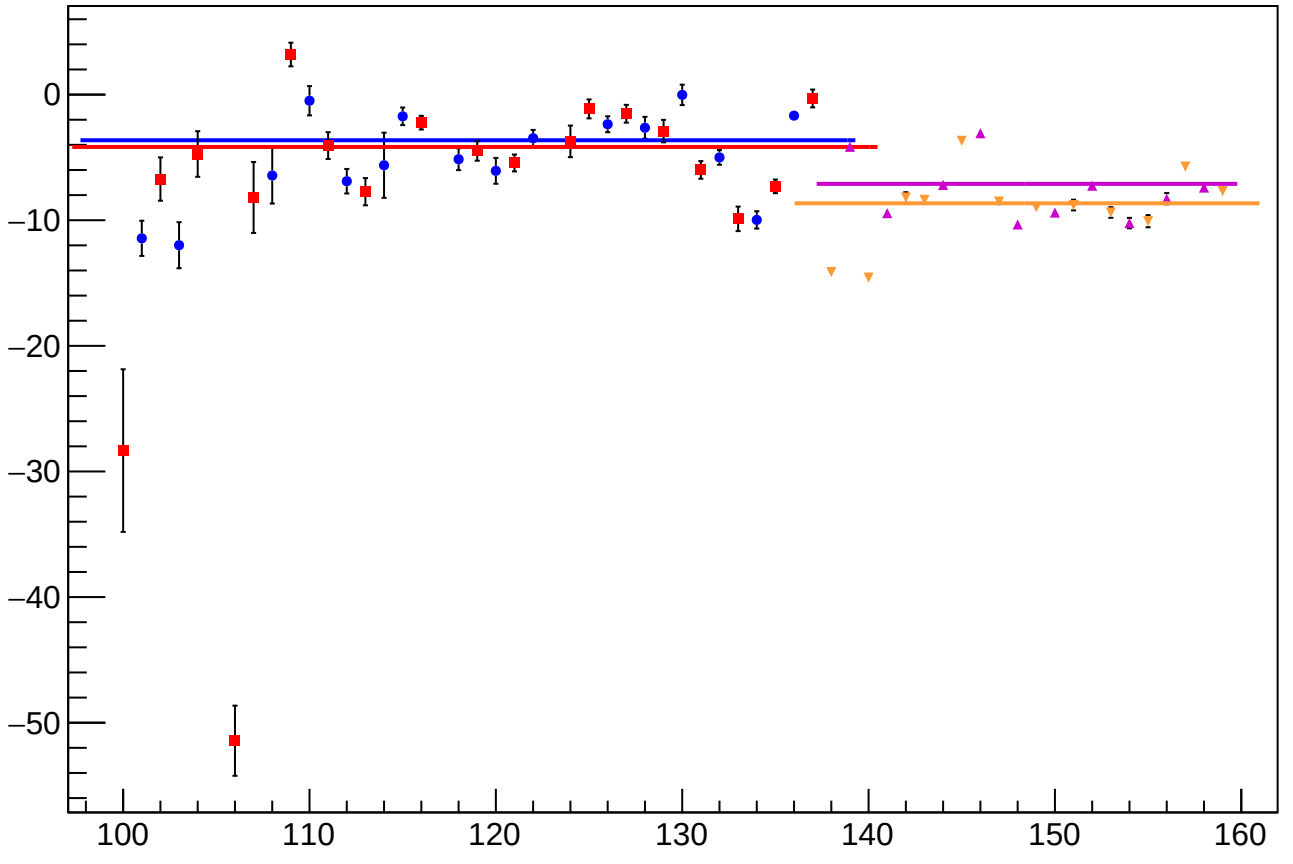
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.084+/-0.011 χ^2/NDF:332.5/9

+ sign 0.044+/-0.010 χ^2/NDF: 1357.9/27

All: 0.015+/-0.007 χ^2/NDF: 2892.7/56

- sign -0.016+/-0.010 χ^2/NDF: 1516.7/28



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

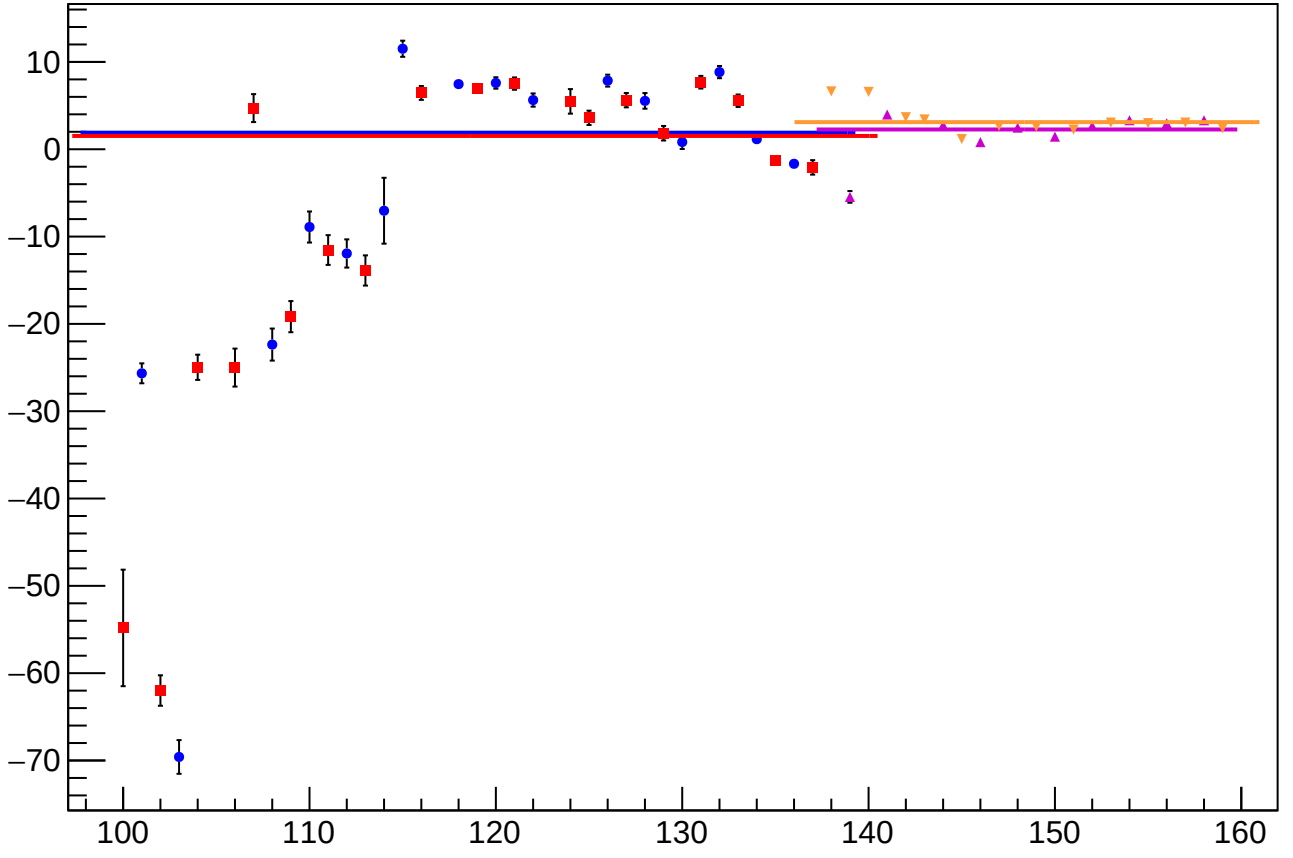
Left In: -7.104+/-0.101 χ^2/NDF:619.2/9

+ sign -7.587+/-0.087 χ^2/NDF: 2134.5/27

All: -7.064+/-0.063 χ^2/NDF: 3530.7/56

- sign -6.502+/-0.090 χ^2/NDF: 1321.4/28

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.105+/-0.068 χ^2/NDF:516.4/11

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

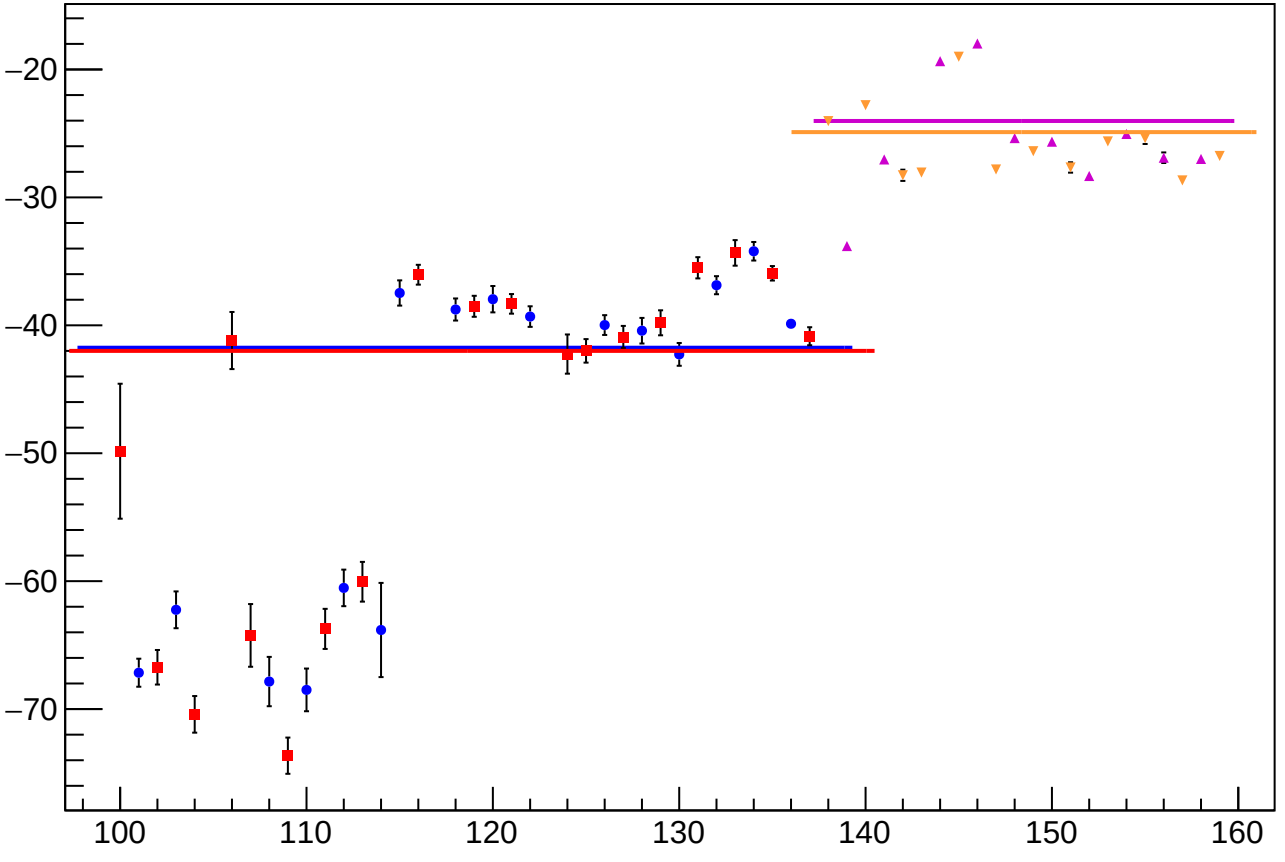
Left In: 2.265+/-0.068 χ^2/NDF:371.6/9

+ sign 2.967+/-0.064 χ^2/NDF: 3390.8/27

All: 2.584+/-0.045 χ^2/NDF: 6406.0/56

- sign 2.194+/-0.064 χ^2/NDF: 2942.8/28

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

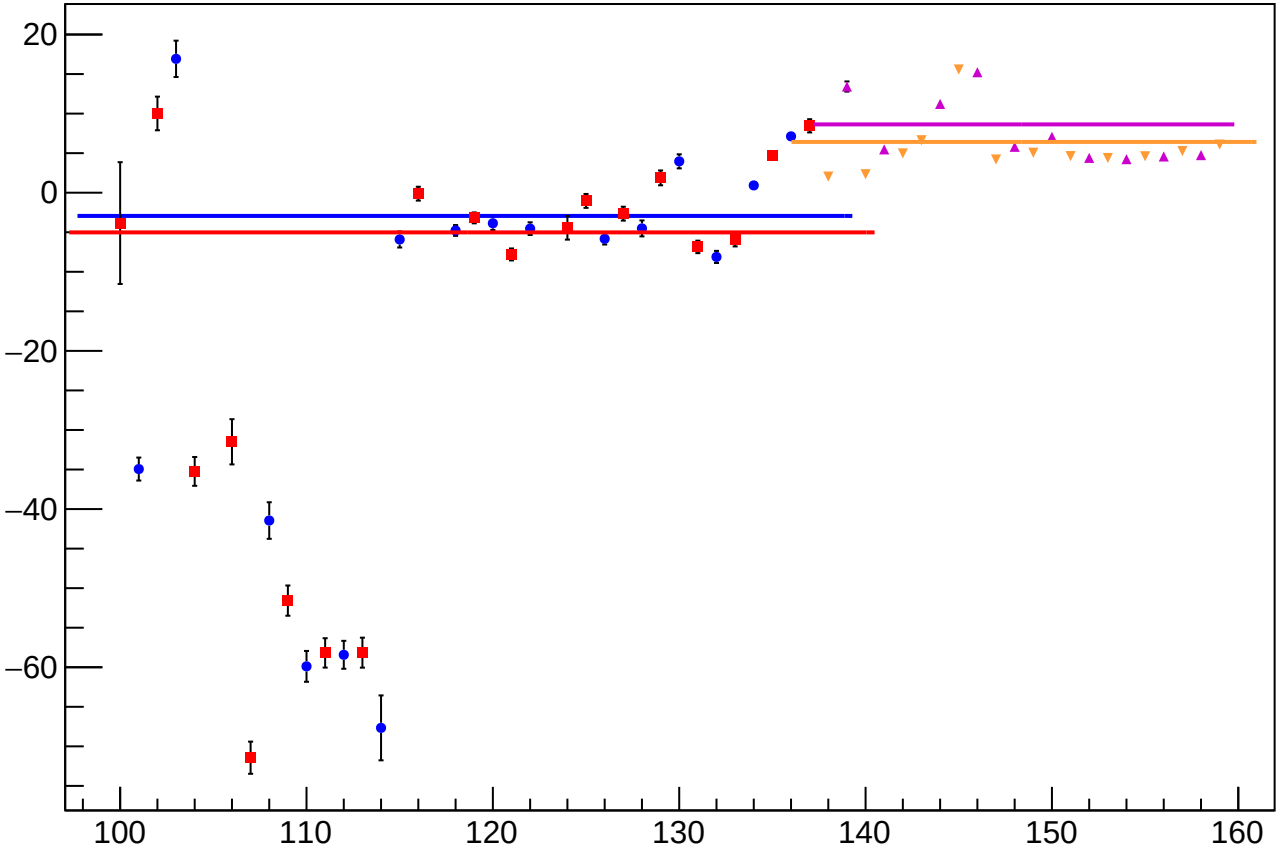
Left In: -24.026+/-0.099 χ^2/NDF:2196.0/9

+ sign -27.897+/-0.088 χ^2/NDF: 8260.2/27

All: -27.392+/-0.063 χ^2/NDF: 17734.6/56

- sign -26.853+/-0.091 χ^2/NDF: 9405.7/28

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



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

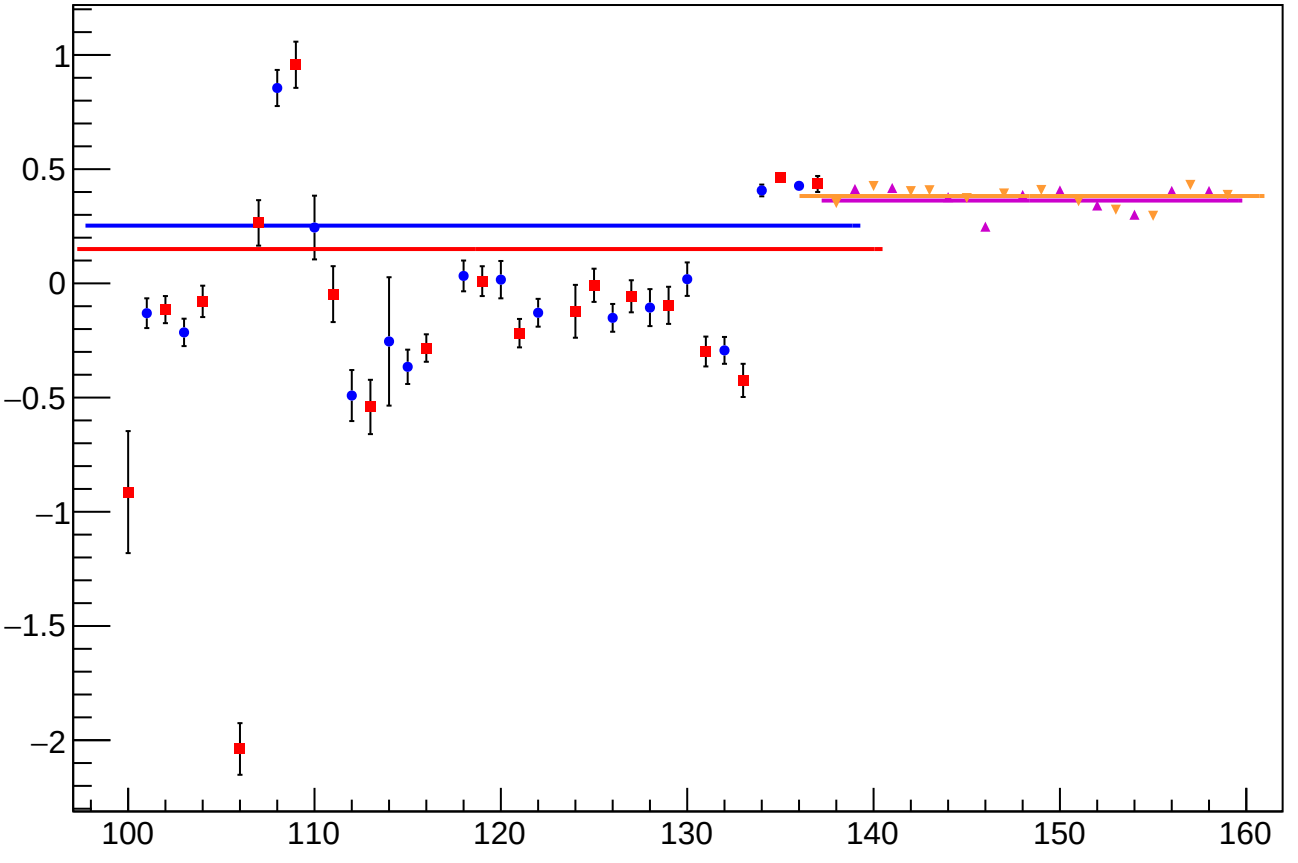
Left In: 8.637+/-0.081 χ^2/NDF:2747.8/9

+ sign 5.203+/-0.076 χ^2/NDF: 8105.8/27

All: 6.157+/-0.054 χ^2/NDF: 18643.6/56

- sign 7.140+/-0.077 χ^2/NDF: 10214.8/28

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

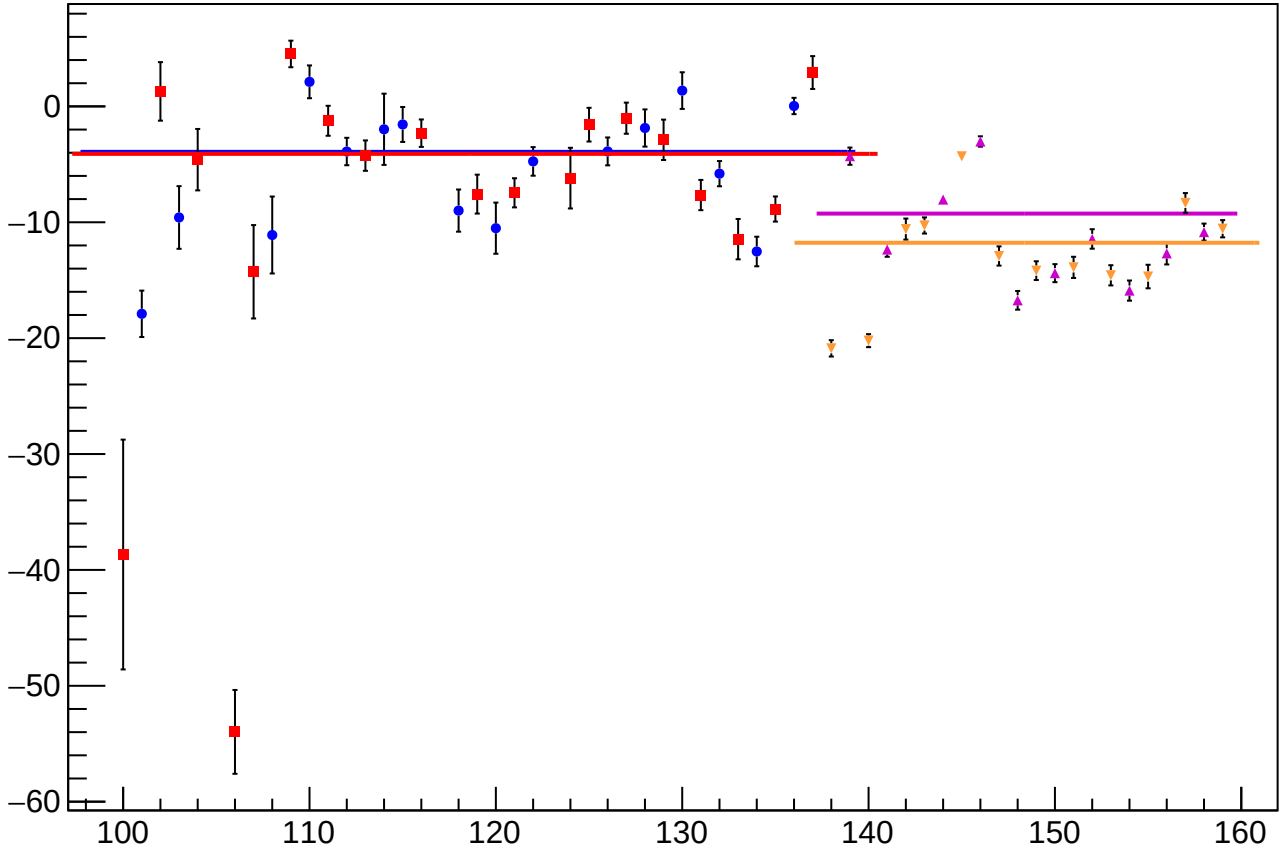
Left In: 0.363+/-0.004 χ^2/NDF:239.2/9

+ sign 0.370+/-0.004 χ^2/NDF: 845.6/27

All: 0.358+/-0.003 χ^2/NDF: 2357.1/56

- sign 0.346+/-0.004 χ^2/NDF: 1490.4/28

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

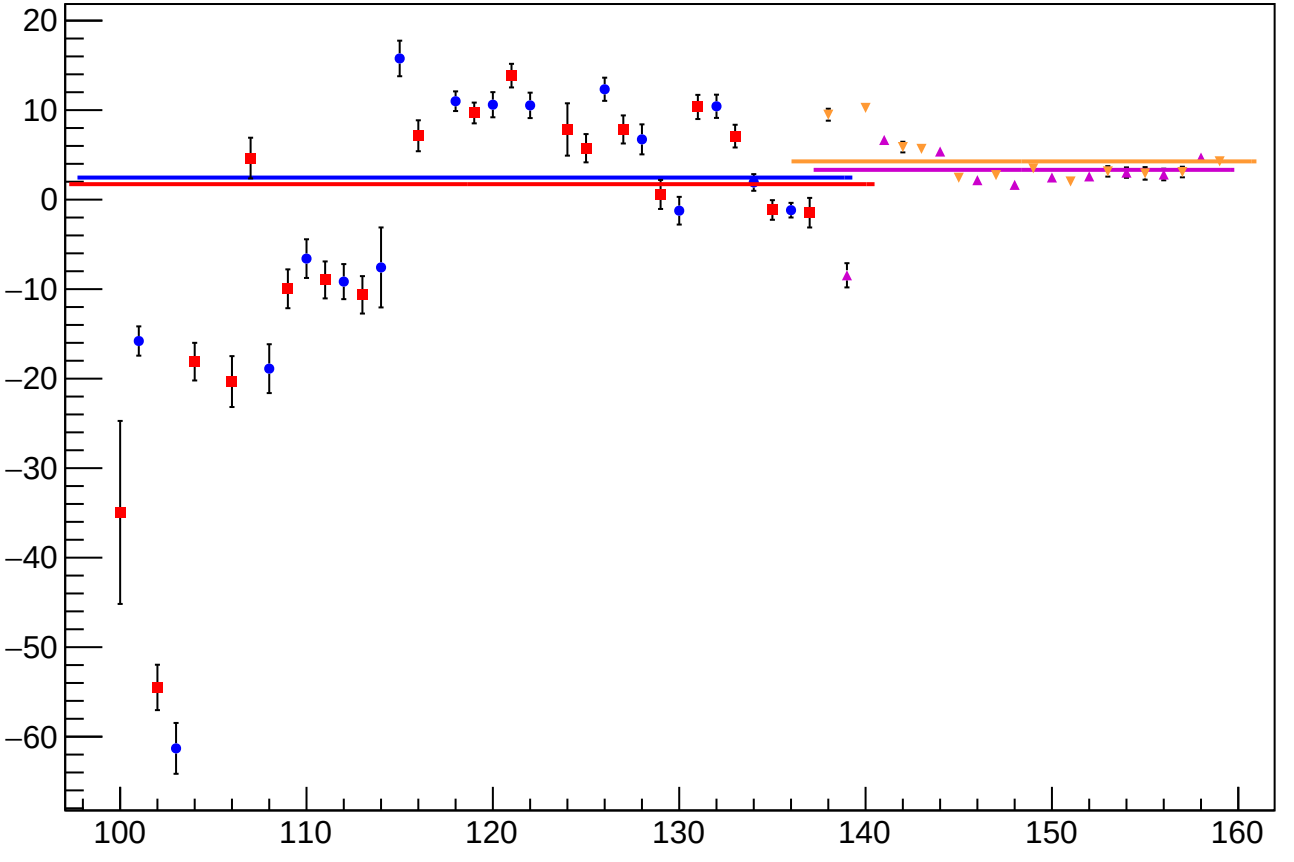
Left In: -9.251+/-0.206 χ^2/NDF:482.5/9

+ sign -9.777+/-0.174 χ^2/NDF: 1384.3/27

All: -8.891+/-0.125 χ^2/NDF: 2443.2/56

- sign -7.964+/-0.178 χ^2/NDF: 1005.9/28

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

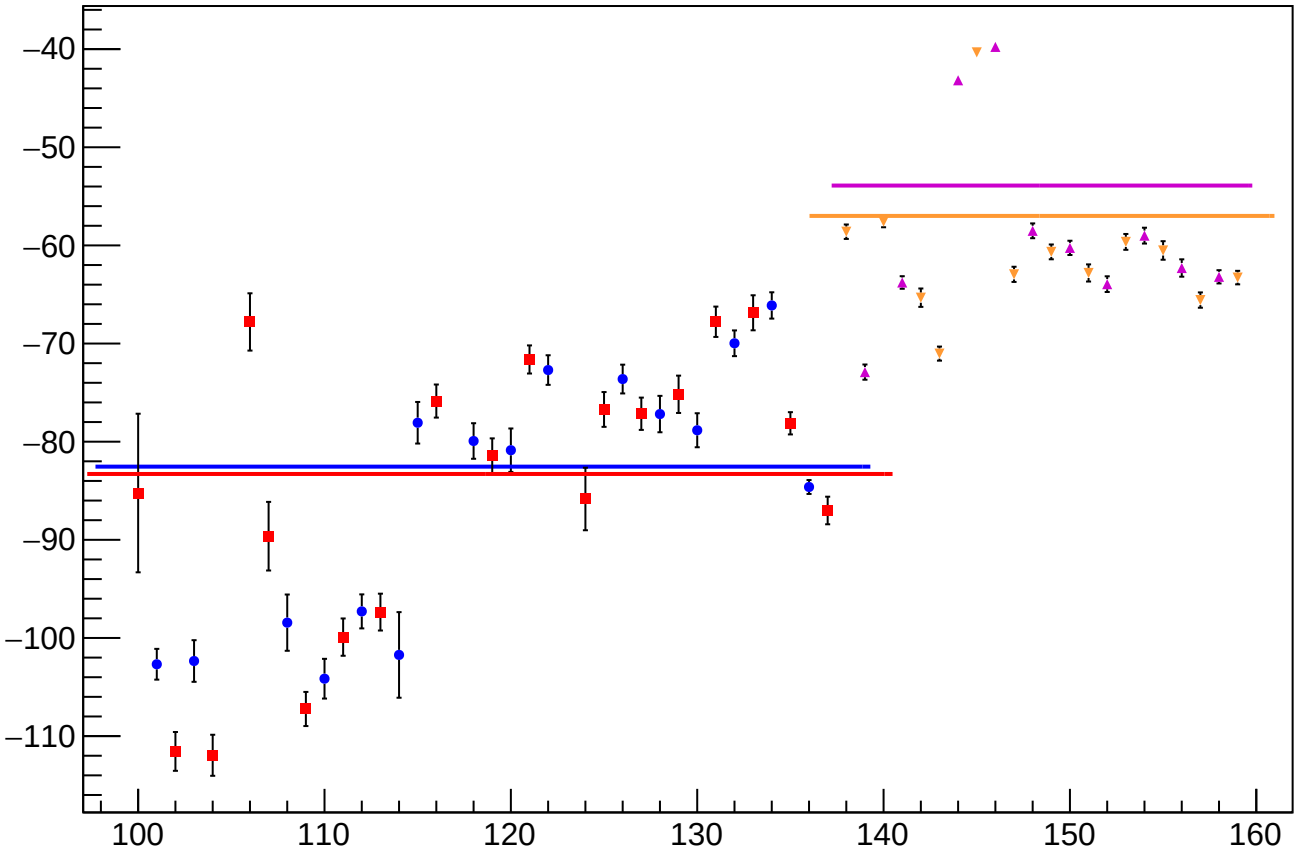
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.327+/-0.138 χ^2/NDF:223.0/9

+ sign 4.027+/-0.131 χ^2/NDF: 1395.7/27

All: 3.581+/-0.092 χ^2/NDF: 2639.8/56

- sign 3.147+/-0.130 χ^2/NDF: 1221.3/28



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

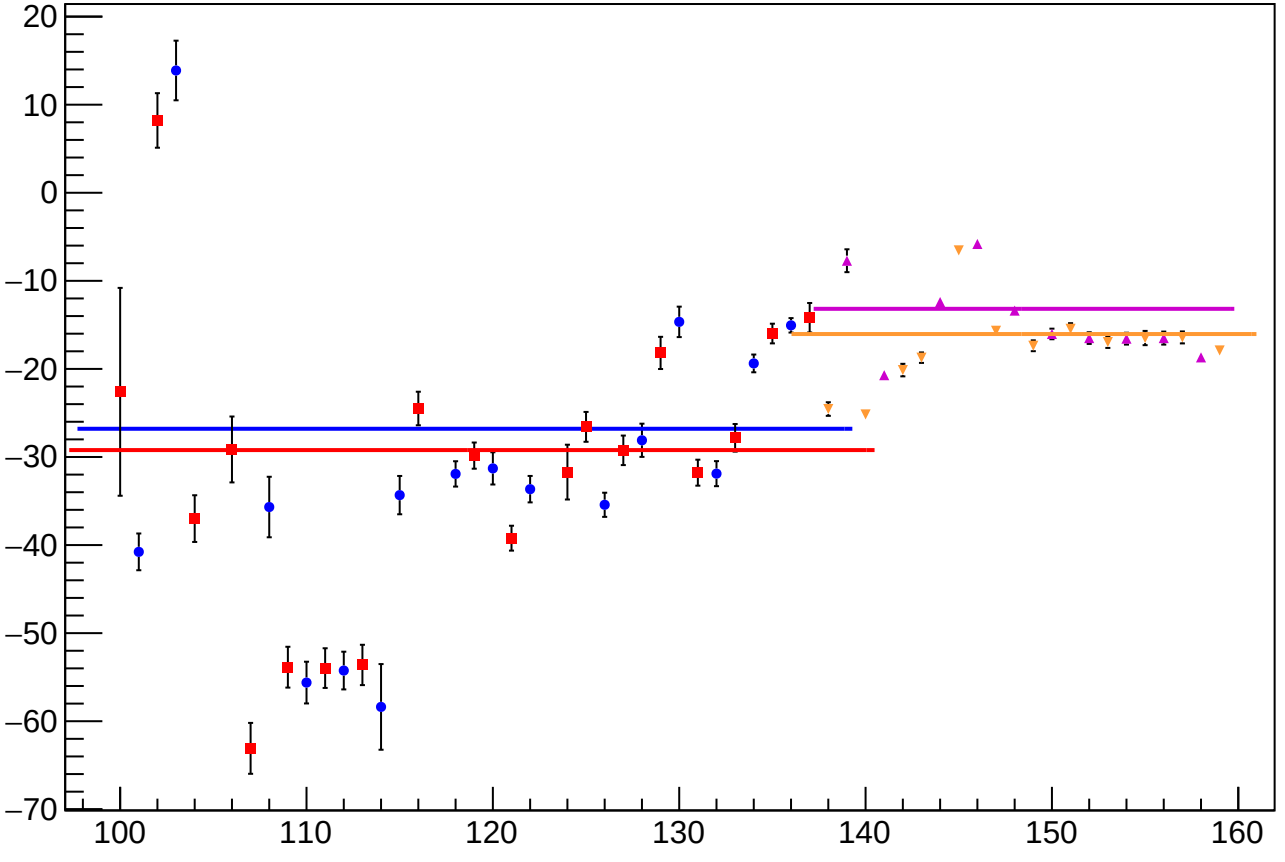
Left In: -53.901+/-0.201 χ^2/NDF:3086.9/9

+ sign -62.417+/-0.177 χ^2/NDF: 6824.1/27

All: -60.989+/-0.127 χ^2/NDF: 15210.6/56

- sign -59.500+/-0.181 χ^2/NDF: 8253.6/28

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

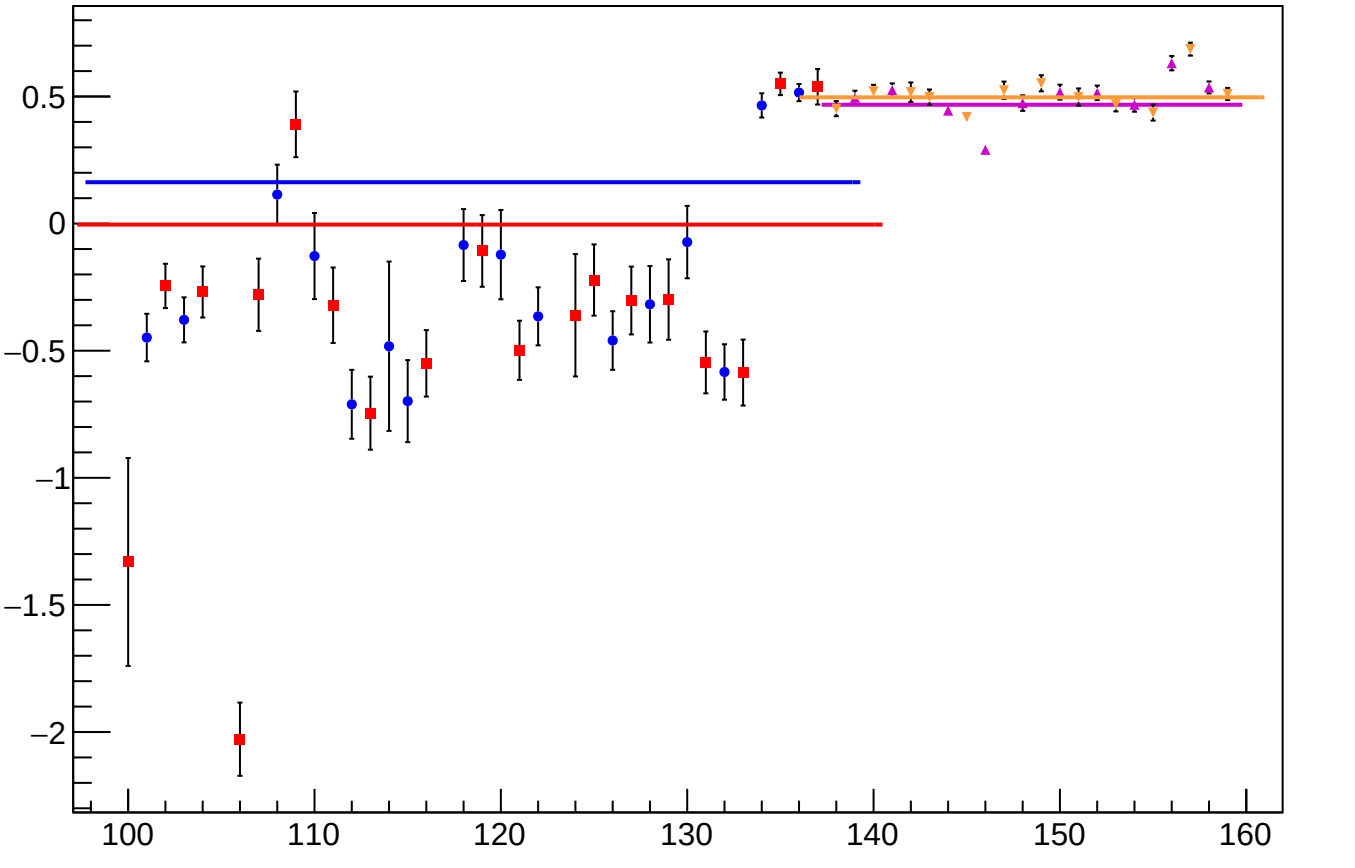
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -13.177+/-0.165 χ^2/NDF:911.9/9

+ sign -17.685+/-0.155 χ^2/NDF: 2723.3/27

All: -16.458+/-0.109 χ^2/NDF: 5928.0/56

- sign -15.235+/-0.154 χ^2/NDF: 3079.1/28



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

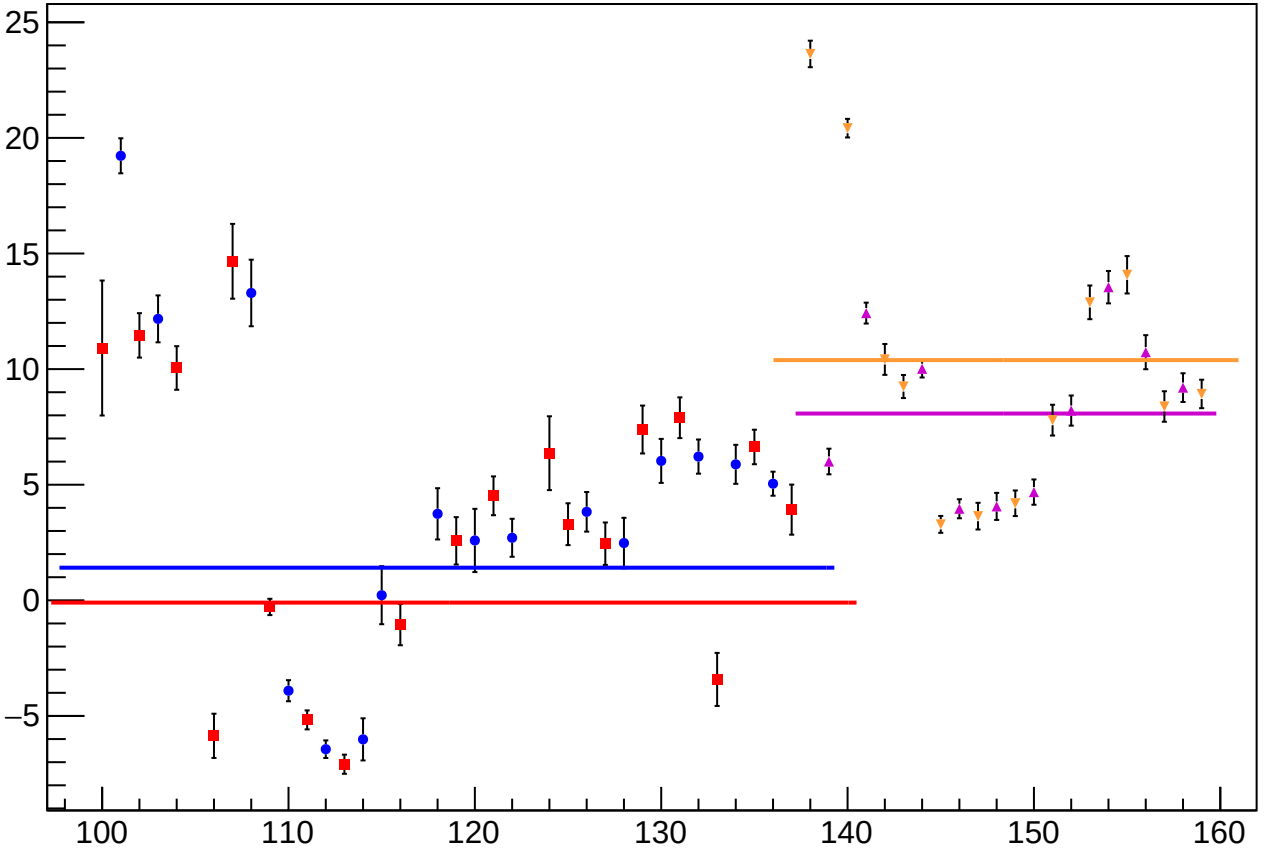
Left In: 0.468+/-0.008 χ^2/NDF:144.1/9

+ sign 0.458+/-0.007 χ^2/NDF: 728.1/27

All: 0.441+/-0.005 χ^2/NDF: 1794.6/56

- sign 0.423+/-0.008 χ^2/NDF: 1055.4/28

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

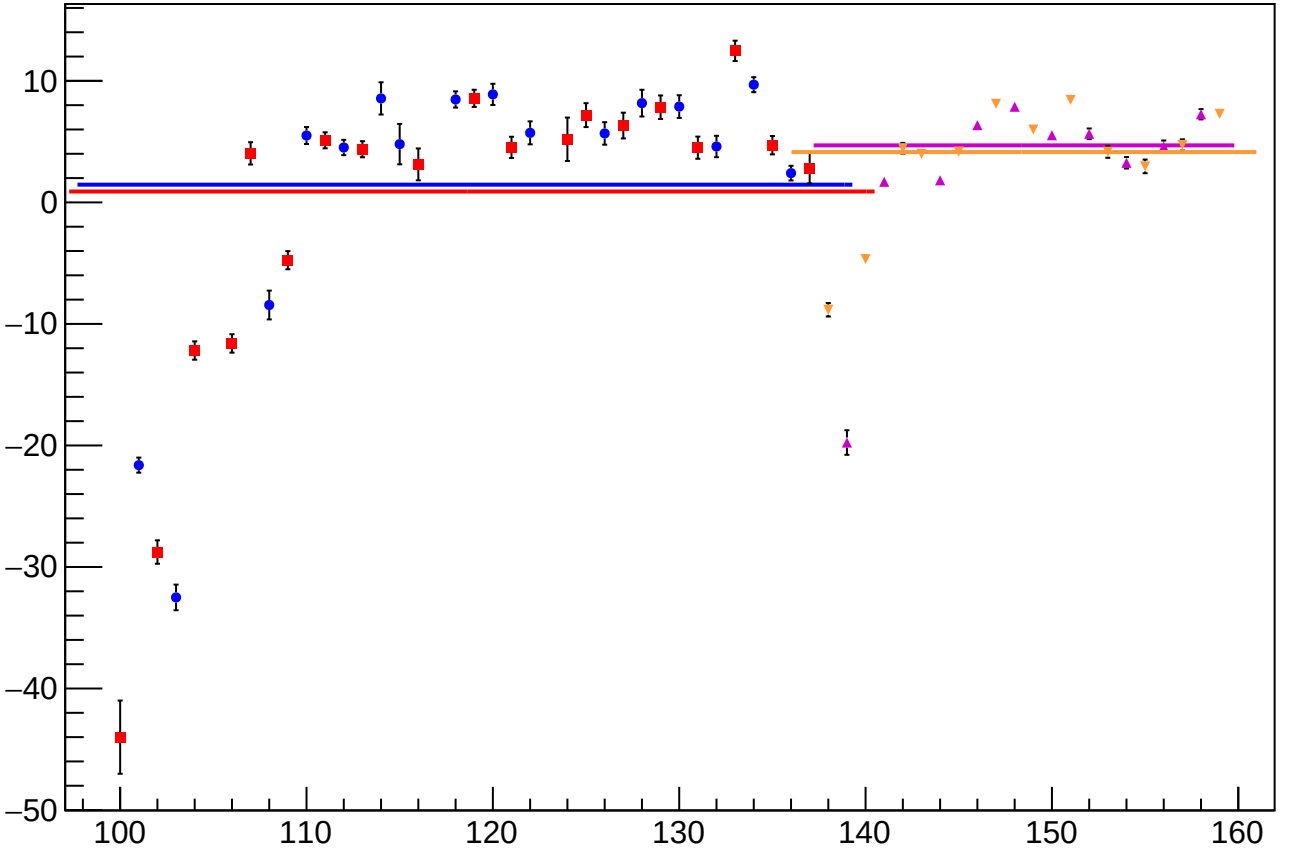
Left In: 8.079+/-0.166 χ^2/NDF:395.8/9

+ sign 6.544+/-0.120 χ^2/NDF: 4757.6/27

All: 5.261+/-0.084 χ^2/NDF: 7727.5/56

- sign 4.018+/-0.118 χ^2/NDF: 2744.3/28

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

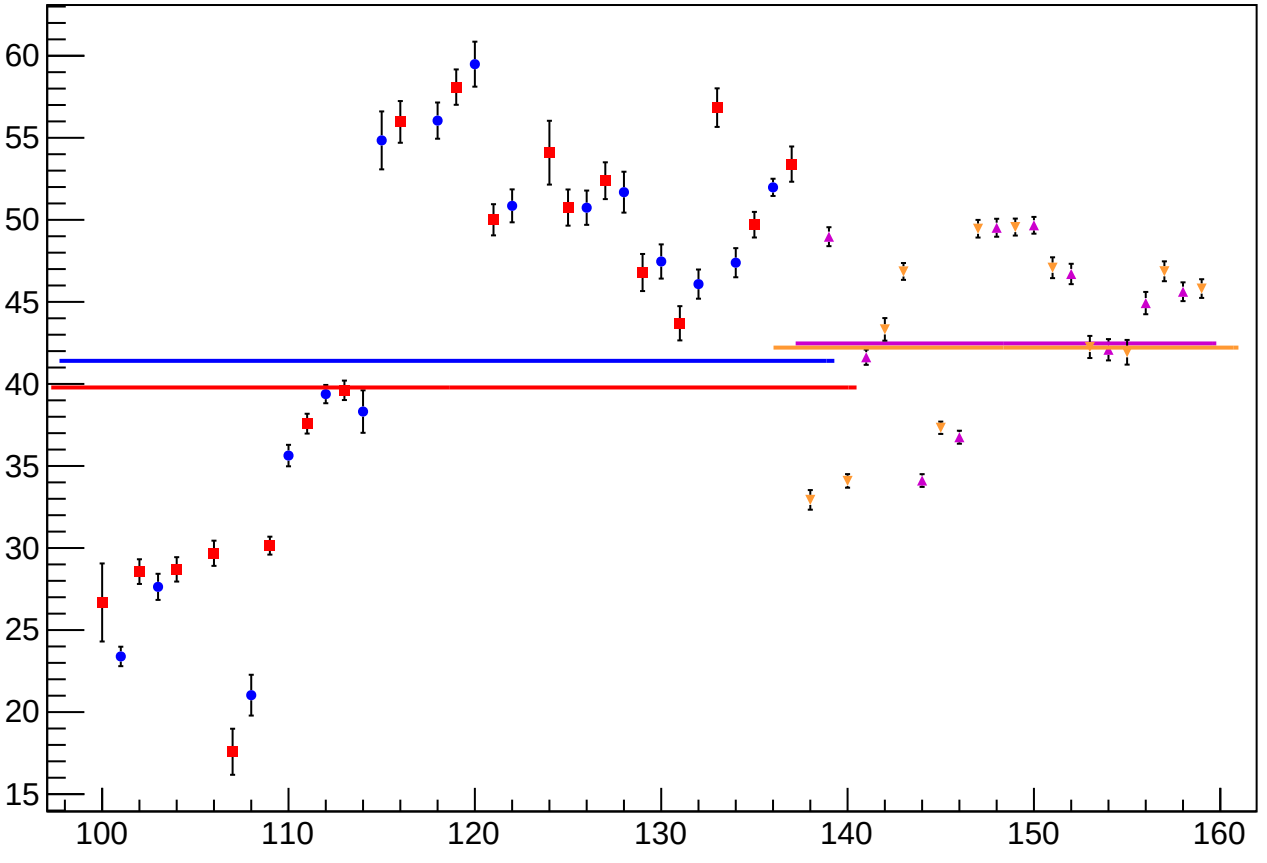
Left In: 4.693+/-0.112 χ^2/NDF:1009.9/9

+ sign 3.542+/-0.096 χ^2/NDF: 4919.5/27

All: 3.672+/-0.069 χ^2/NDF: 8580.8/56

- sign 3.805+/-0.098 χ^2/NDF: 3657.6/28

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

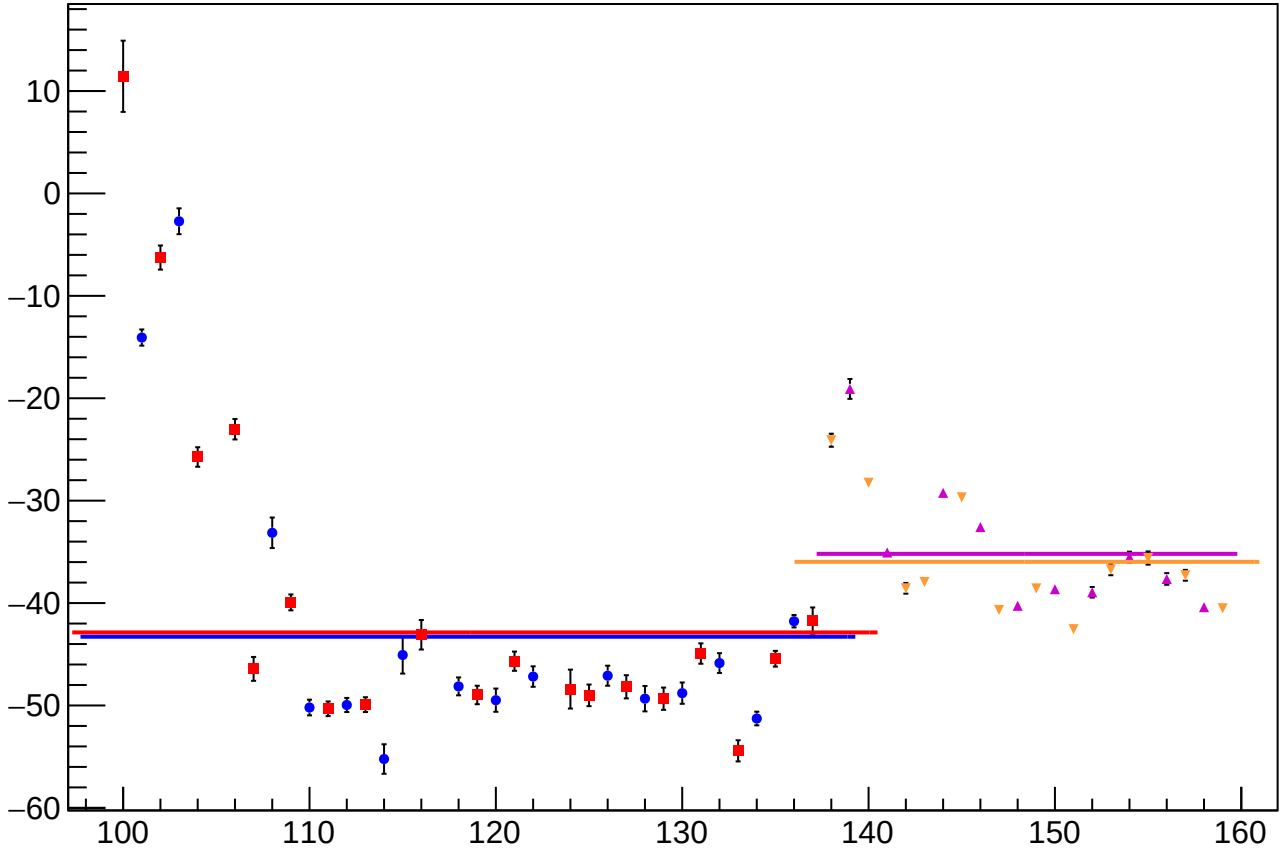
Left In: 42.467+/-0.162 χ^2/NDF:1255.7/9

+ sign 41.928+/-0.125 χ^2/NDF: 4175.2/27

All: 41.677+/-0.089 χ^2/NDF: 8199.5/56

- sign 41.421+/-0.127 χ^2/NDF: 4016.2/28

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

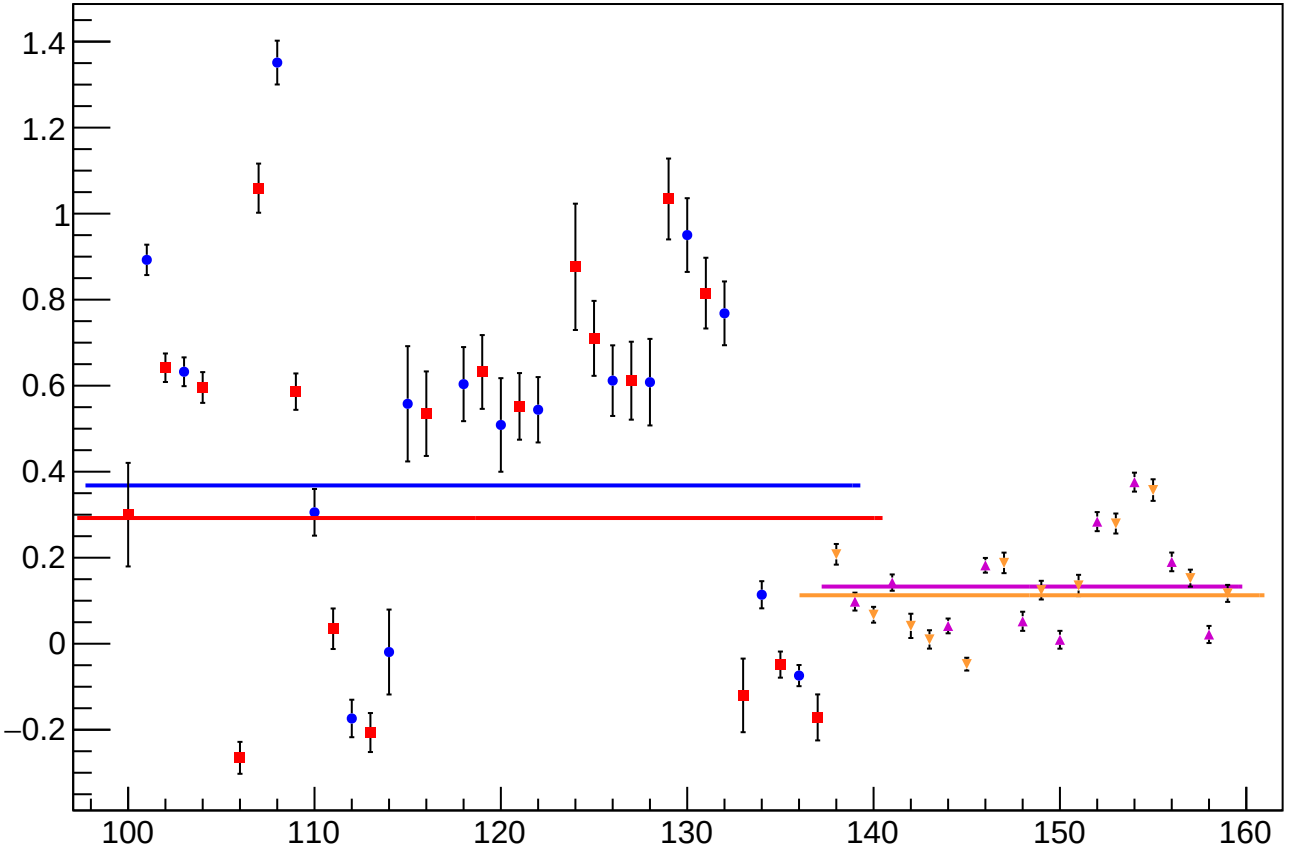
Left In: -35.194+/-0.134 χ^2/NDF:1133.2/9

+ sign -37.770+/-0.114 χ^2/NDF: 5369.4/27

All: -37.468+/-0.081 χ^2/NDF: 9806.8/56

- sign -37.155+/-0.116 χ^2/NDF: 4423.1/28

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.113+/-0.006 χ^2/NDF:328.3/11

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

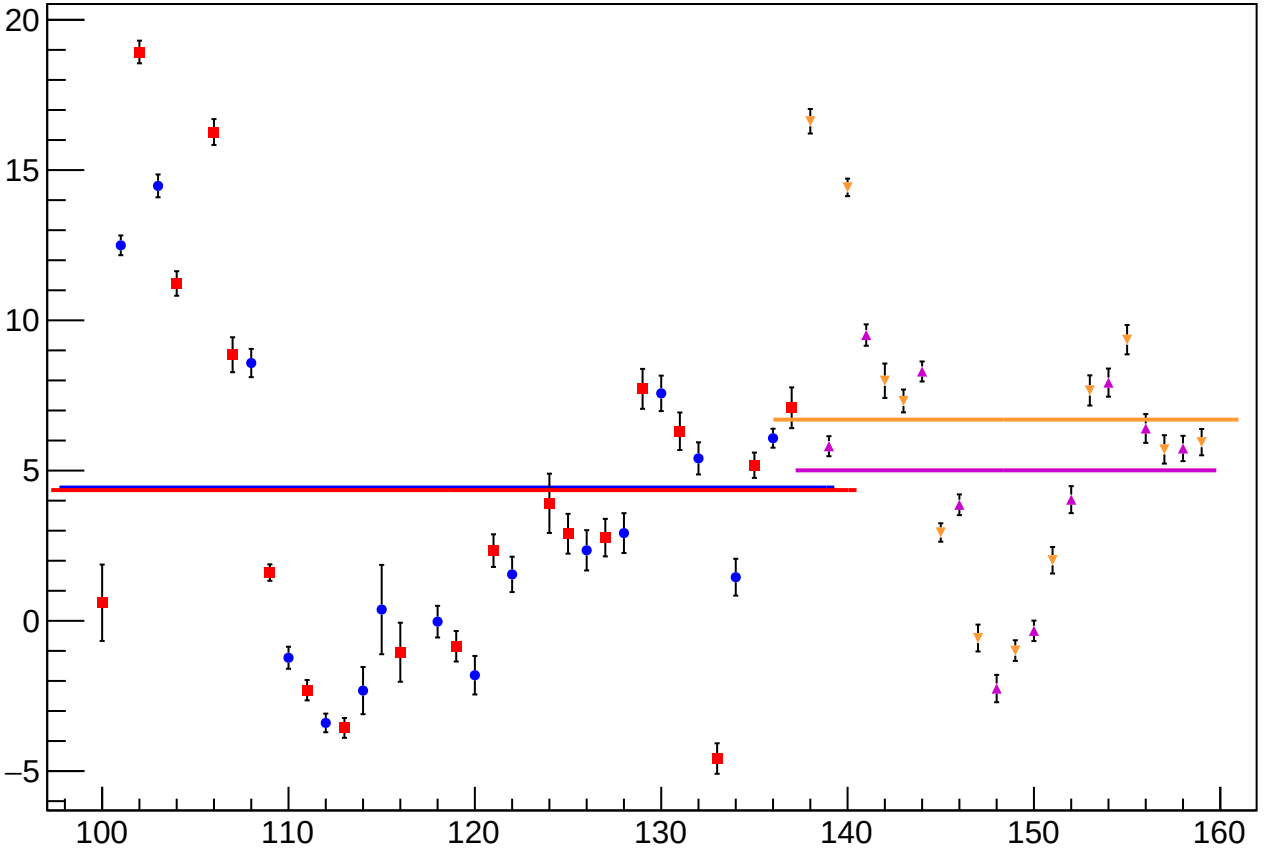
Left In: 0.133+/-0.006 χ^2/NDF:294.4/9

+ sign 0.164+/-0.005 χ^2/NDF: 1999.2/27

All: 0.166+/-0.004 χ^2/NDF: 3629.1/56

- sign 0.167+/-0.006 χ^2/NDF: 1629.8/28

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

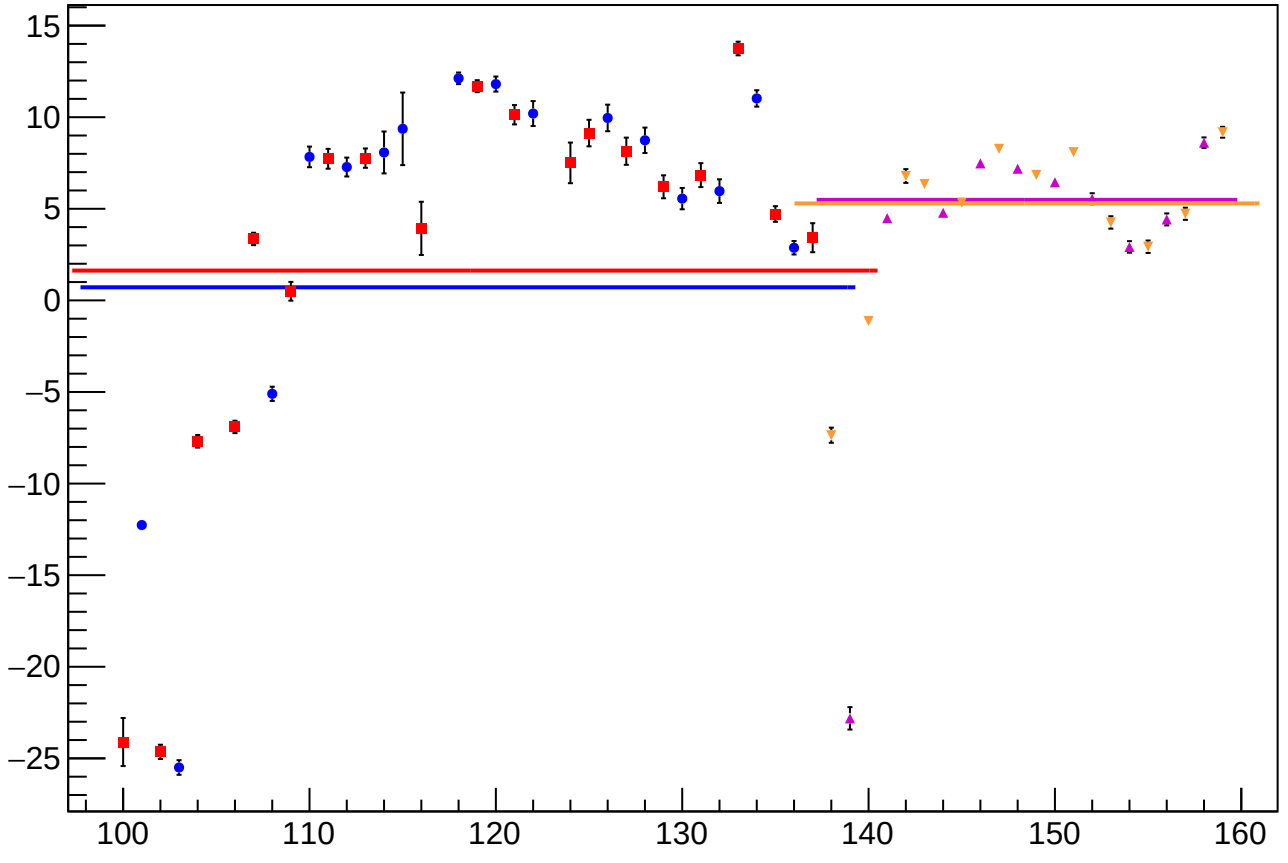
Left In: 5.008+/-0.122 χ^2/NDF:829.5/9

+ sign 5.578+/-0.082 χ^2/NDF: 5178.9/27

All: 5.105+/-0.058 χ^2/NDF: 10295.2/56

- sign 4.643+/-0.081 χ^2/NDF: 5050.9/28

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

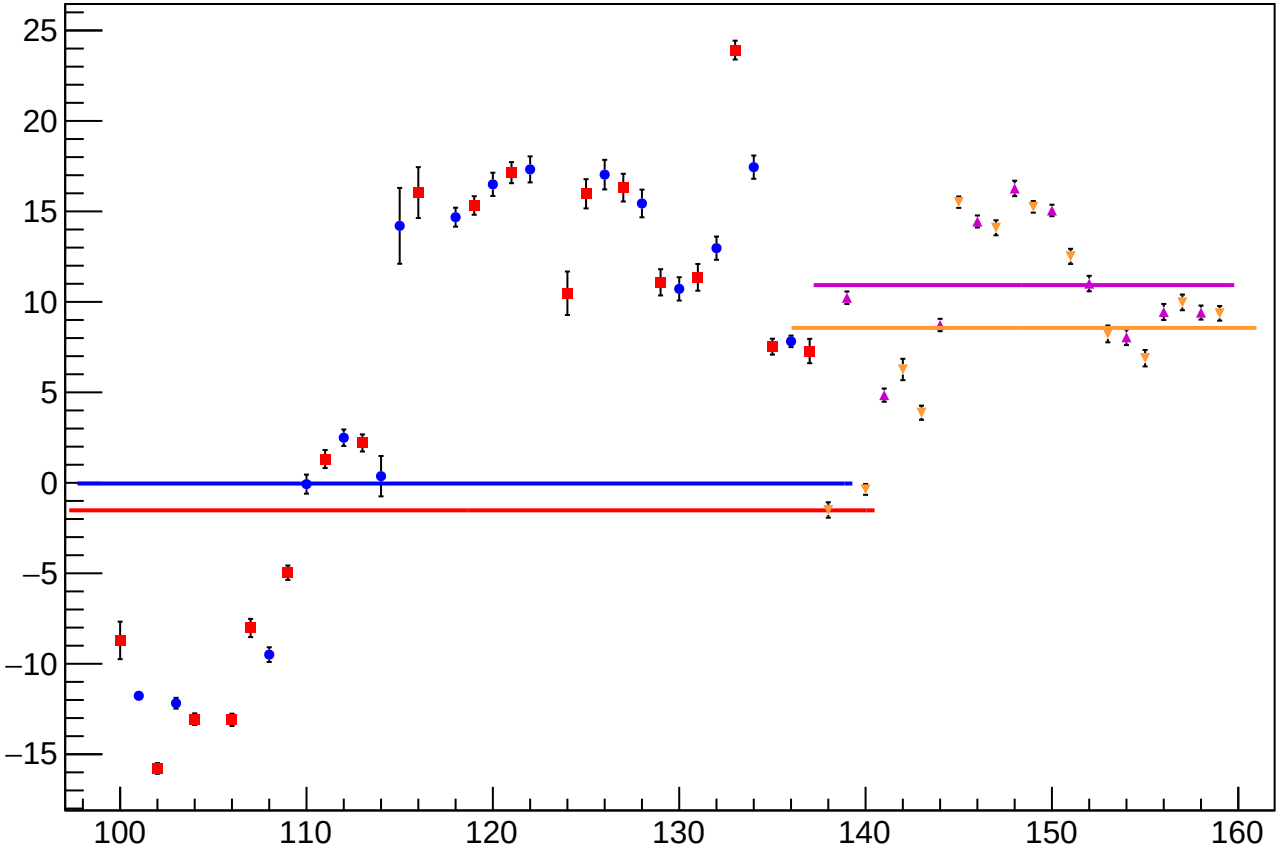
Left In: 5.485+/-0.085 χ^2/NDF:2525.1/9

+ sign 3.814+/-0.066 χ^2/NDF: 13779.2/27

All: 3.934+/-0.047 χ^2/NDF: 26328.4/56

- sign 4.061+/-0.067 χ^2/NDF: 12542.4/28

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

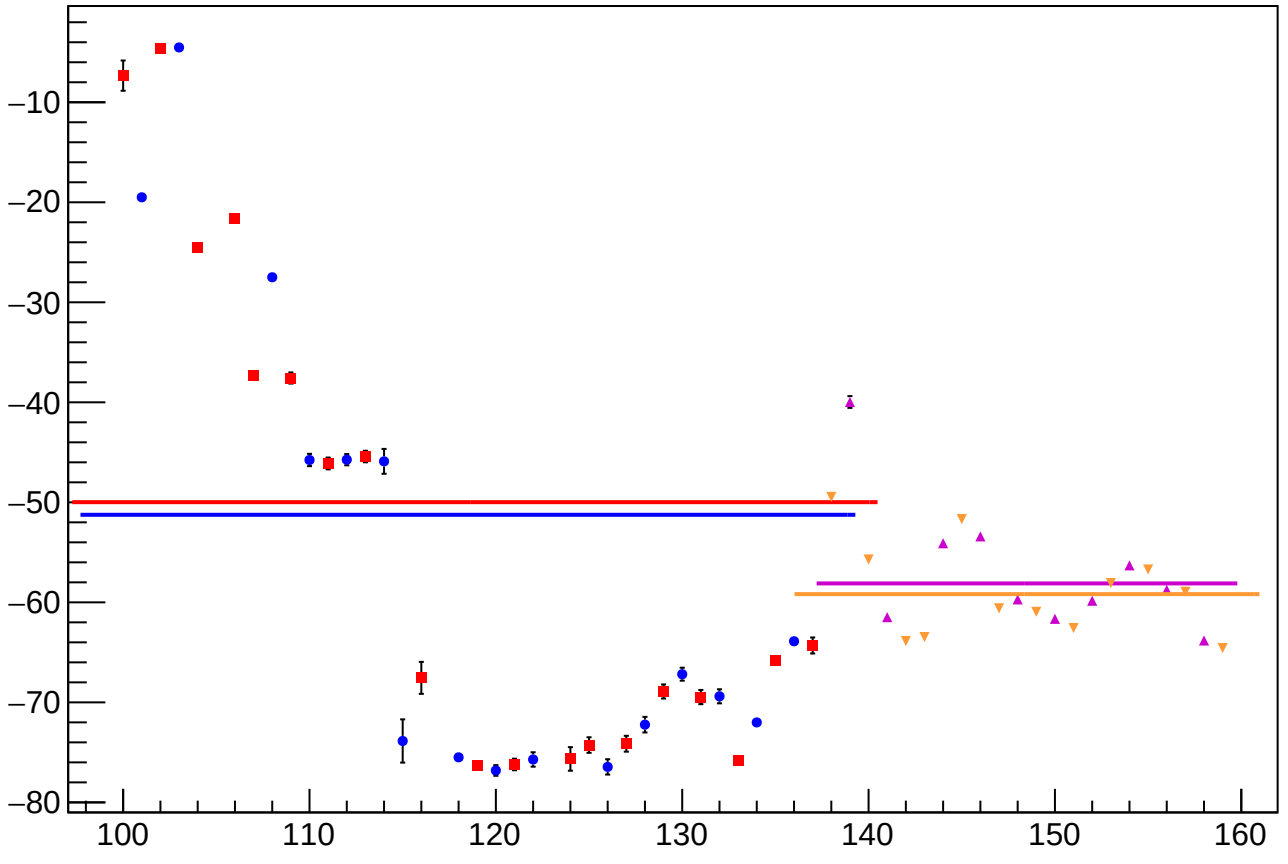
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 10.927+/-0.118 χ^2/NDF:830.0/9

+ sign 4.491+/-0.082 χ^2/NDF: 14822.4/27

All: 4.508+/-0.058 χ^2/NDF: 33464.4/56

- sign 4.524+/-0.083 χ^2/NDF: 18641.9/28



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

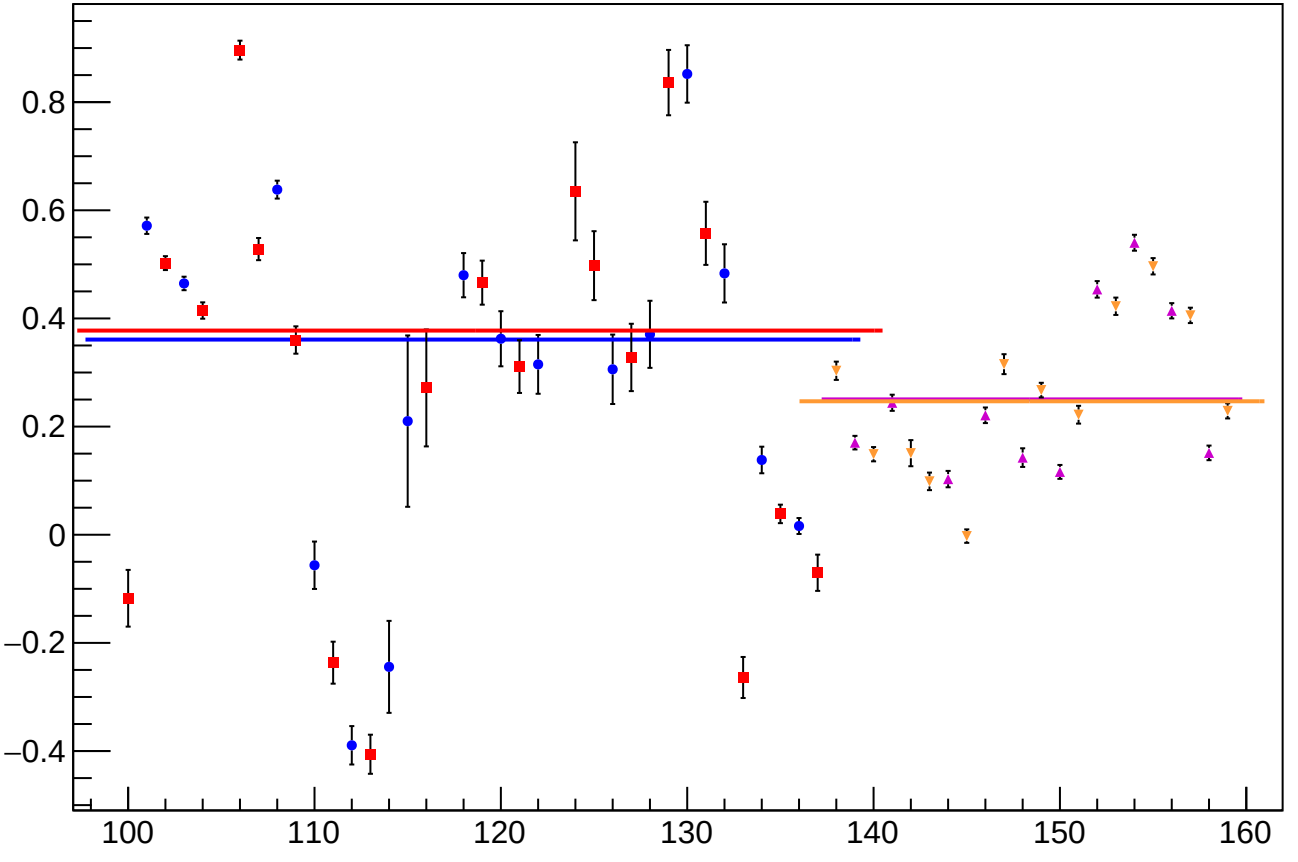
Left In: -58.107+/-0.101 χ^2/NDF:2205.6/9

+ sign -56.553+/-0.078 χ^2/NDF: 38092.5/27

All: -55.835+/-0.056 χ^2/NDF: 76791.1/56

- sign -55.086+/-0.080 χ^2/NDF: 38525.8/28

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

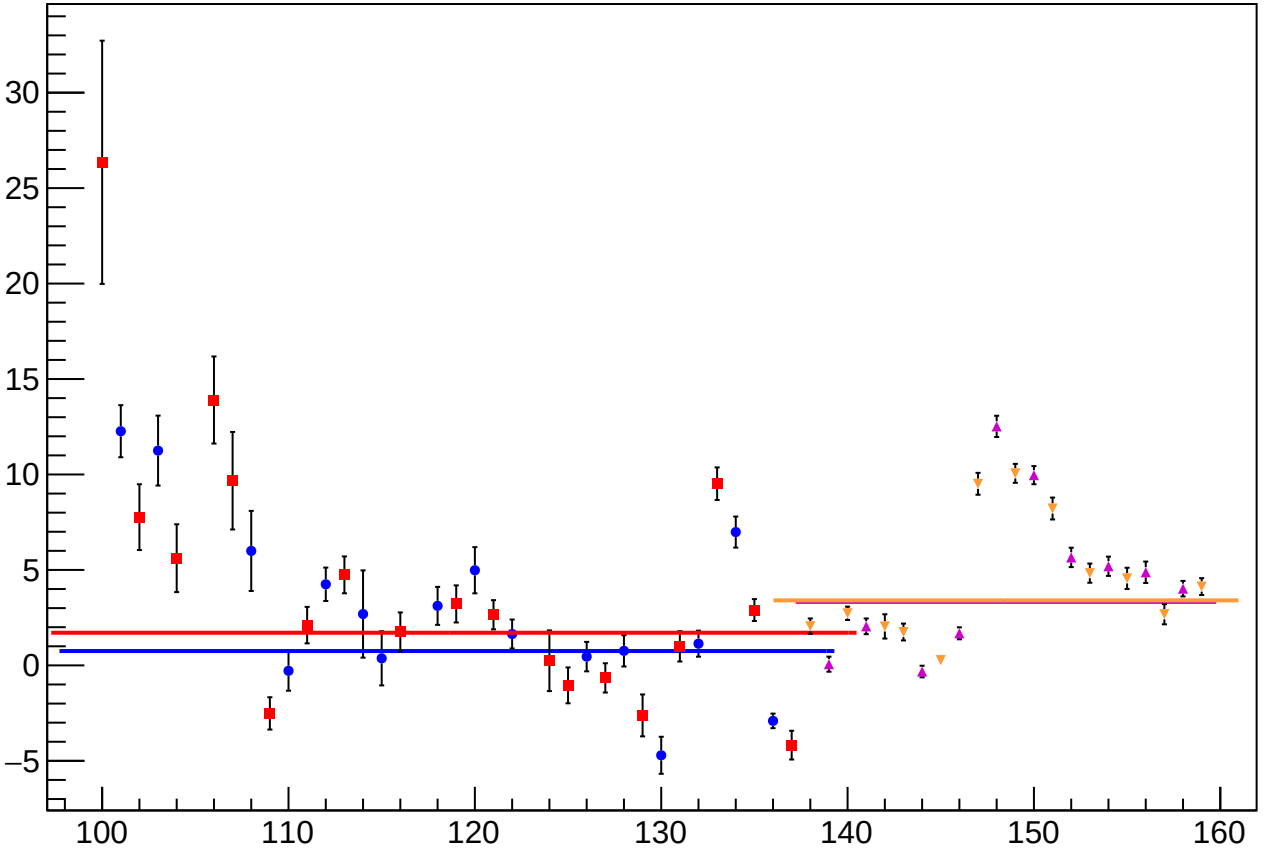
Left In: 0.250+/-0.005 χ^2/NDF:1039.3/9

+ sign 0.284+/-0.004 χ^2/NDF: 3180.4/27

All: 0.290+/-0.003 χ^2/NDF: 7295.2/56

- sign 0.295+/-0.004 χ^2/NDF: 4109.7/28

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

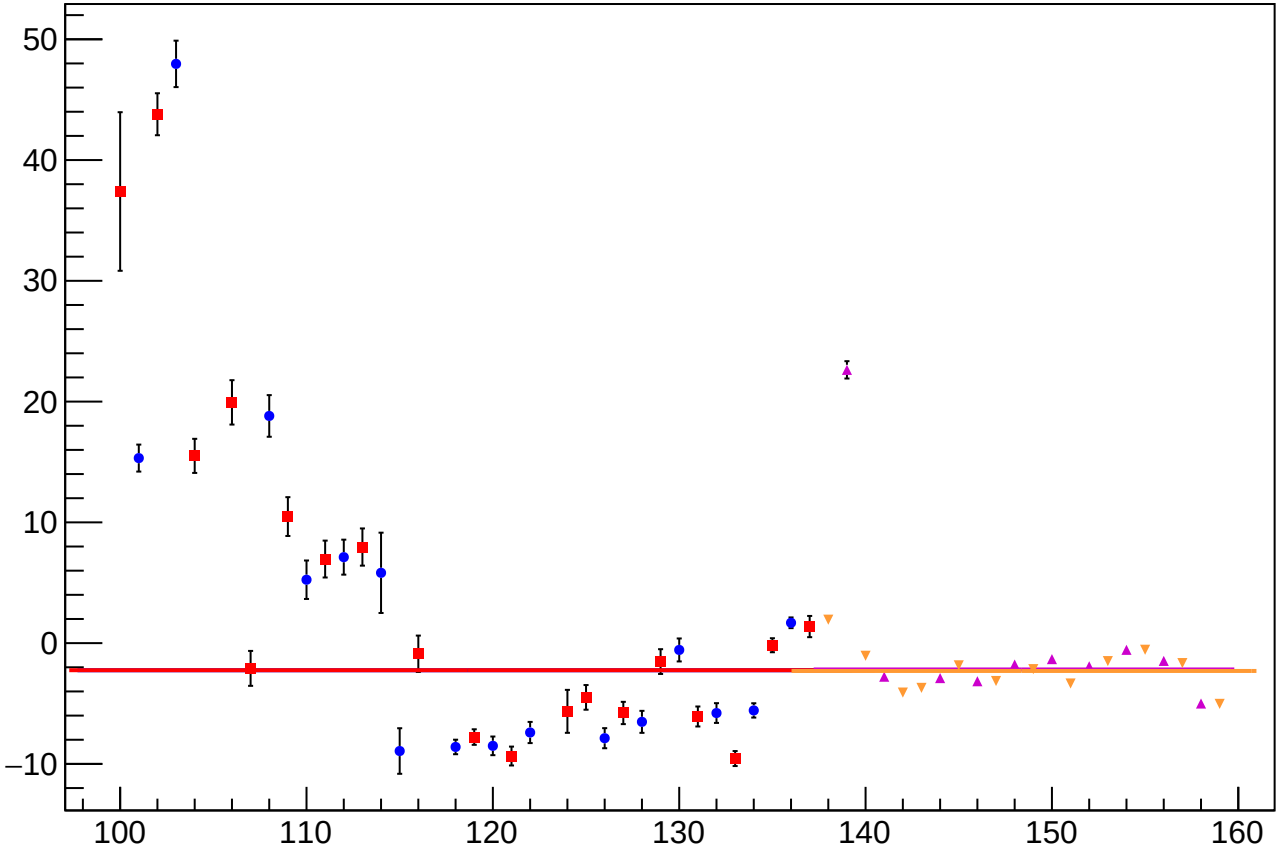
Left In: 3.326+/-0.131 χ^2/NDF:762.8/9

\+ sign 2.710+/-0.109 χ^2/NDF: 1001.2/27

All: 2.806+/-0.078 χ^2/NDF: 2098.4/56

\- sign 2.910+/-0.113 χ^2/NDF: 1095.6/28

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

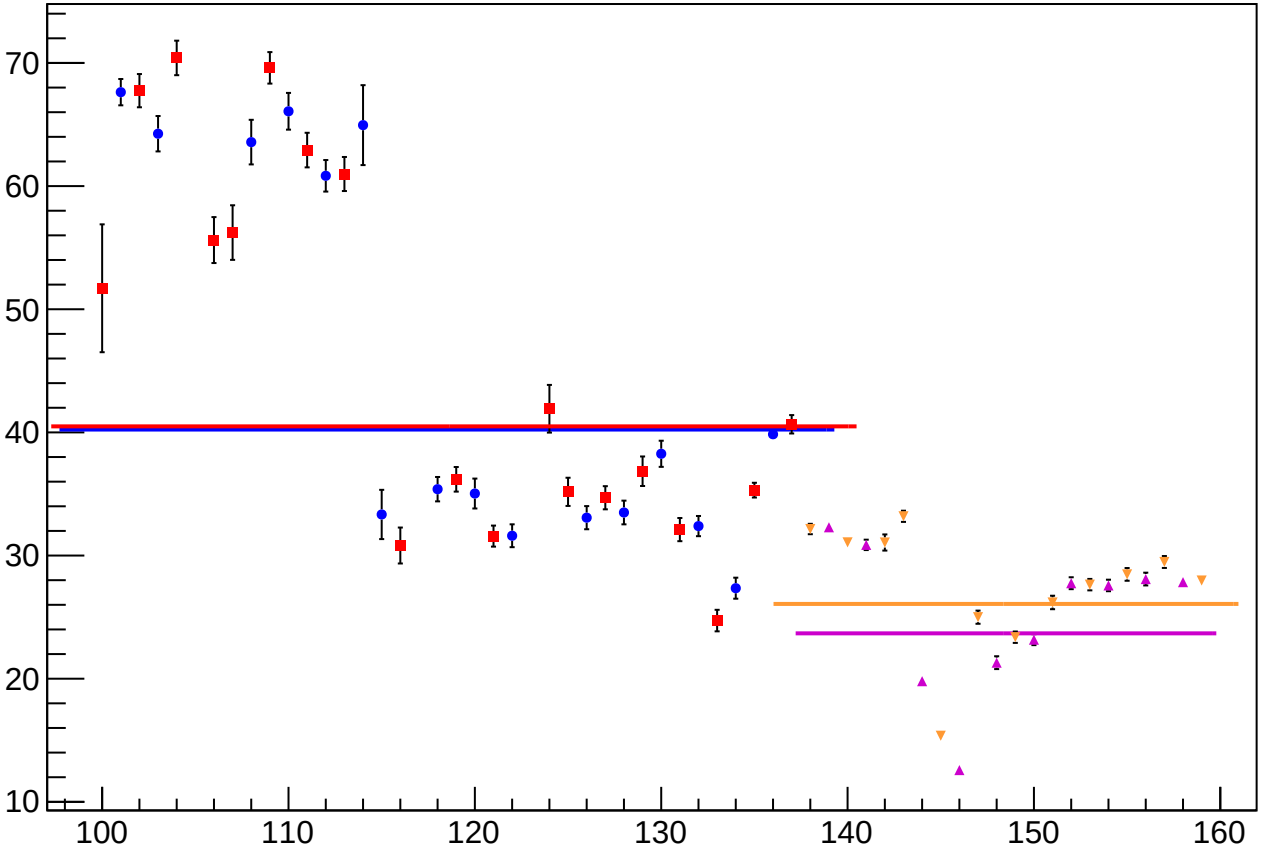
Left In: -2.180+/-0.091 χ^2/NDF:1374.4/9

+ sign -2.295+/-0.083 χ^2/NDF: 1883.3/27

All: -2.243+/-0.059 χ^2/NDF: 4814.2/56

- sign -2.189+/-0.084 χ^2/NDF: 2930.1/28

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

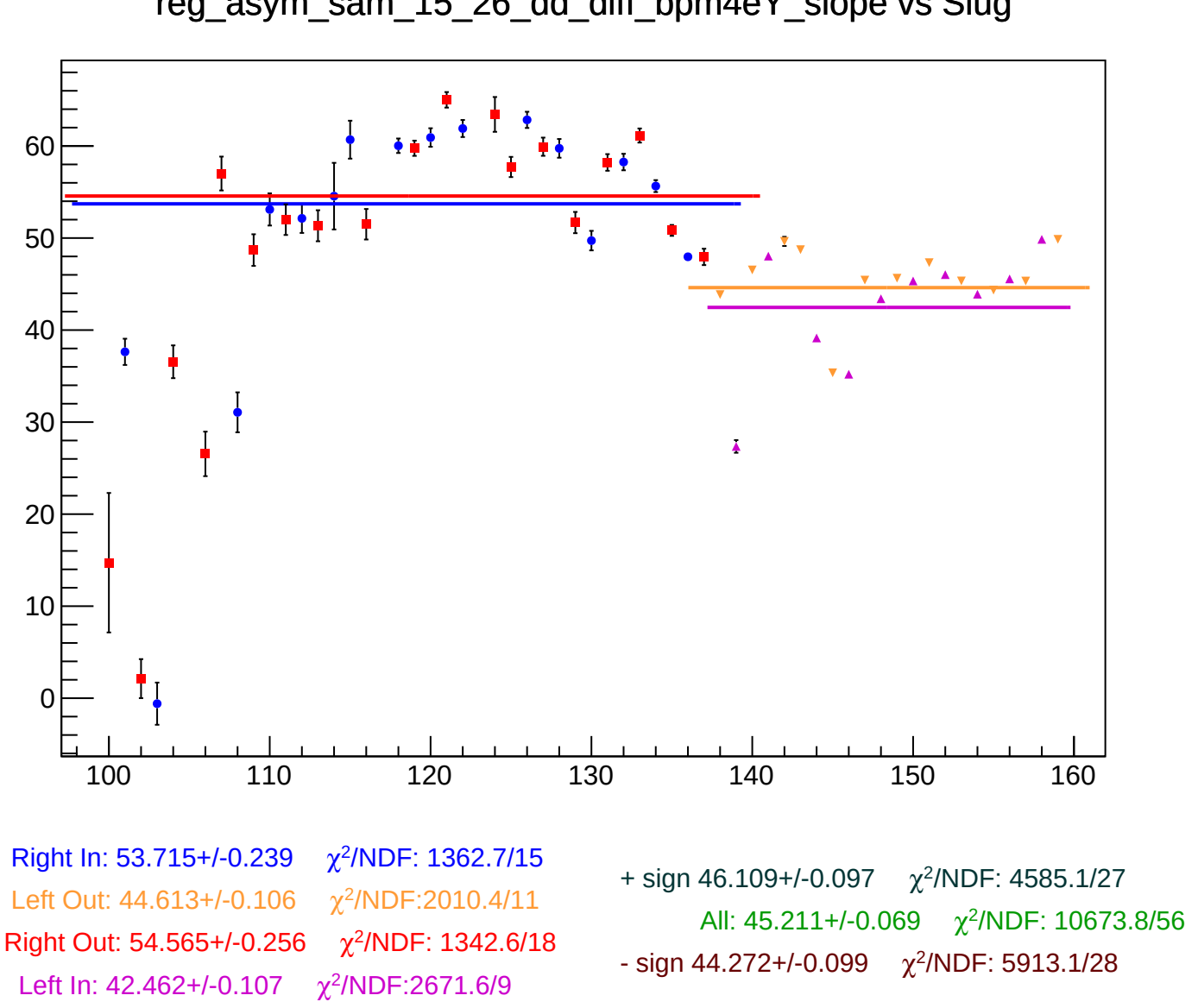
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 23.683+/-0.128 χ^2/NDF:2593.2/9

+ sign 29.263+/-0.110 χ^2/NDF: 7588.5/27

All: 28.250+/-0.079 χ^2/NDF: 16628.0/56

- sign 27.161+/-0.114 χ^2/NDF: 8863.2/28



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

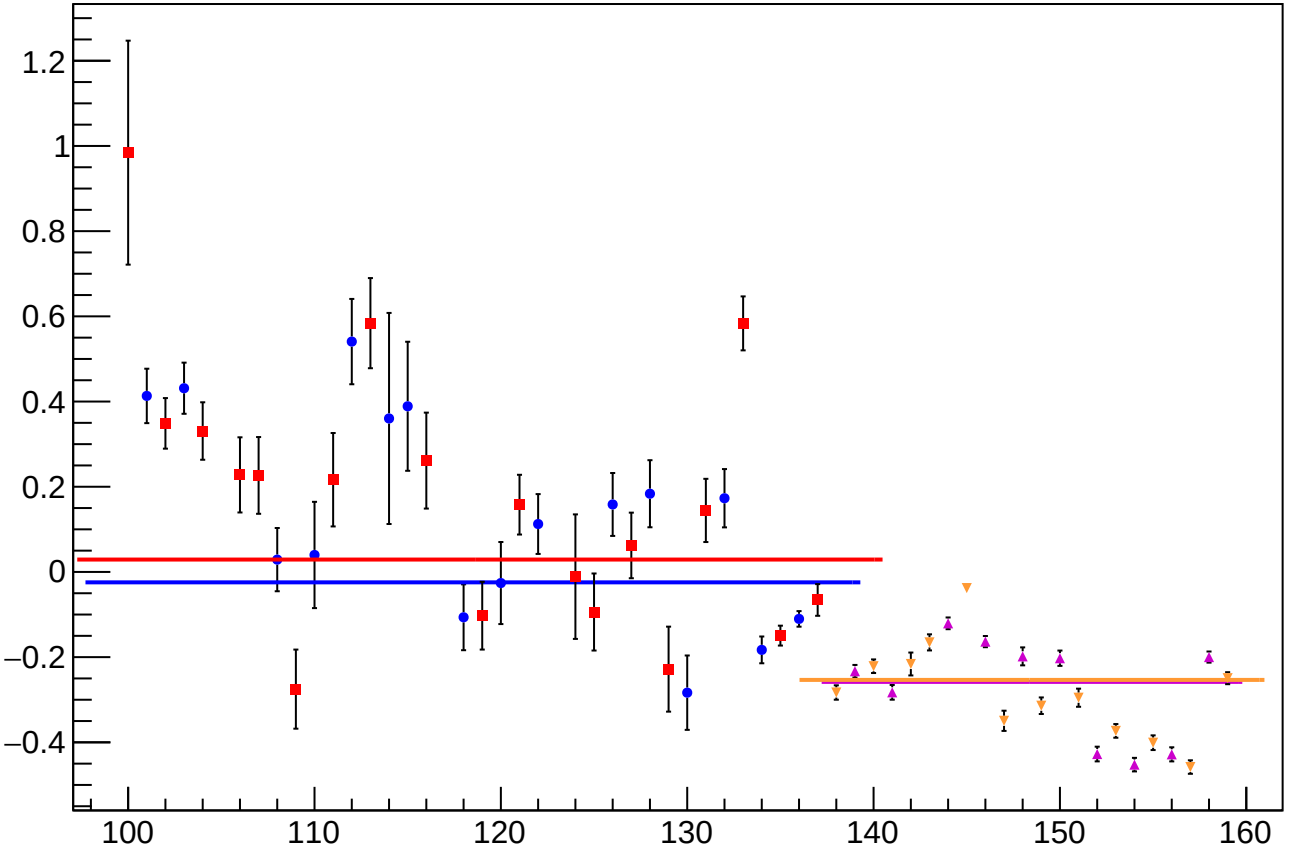
Left In: 42.462+/-0.107 χ^2/NDF:2671.6/9

+ sign 46.109+/-0.097 χ^2/NDF: 4585.1/27

All: 45.211+/-0.069 χ^2/NDF: 10673.8/56

- sign 44.272+/-0.099 χ^2/NDF: 5913.1/28

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.253+/-0.005 χ^2/NDF:755.9/11

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

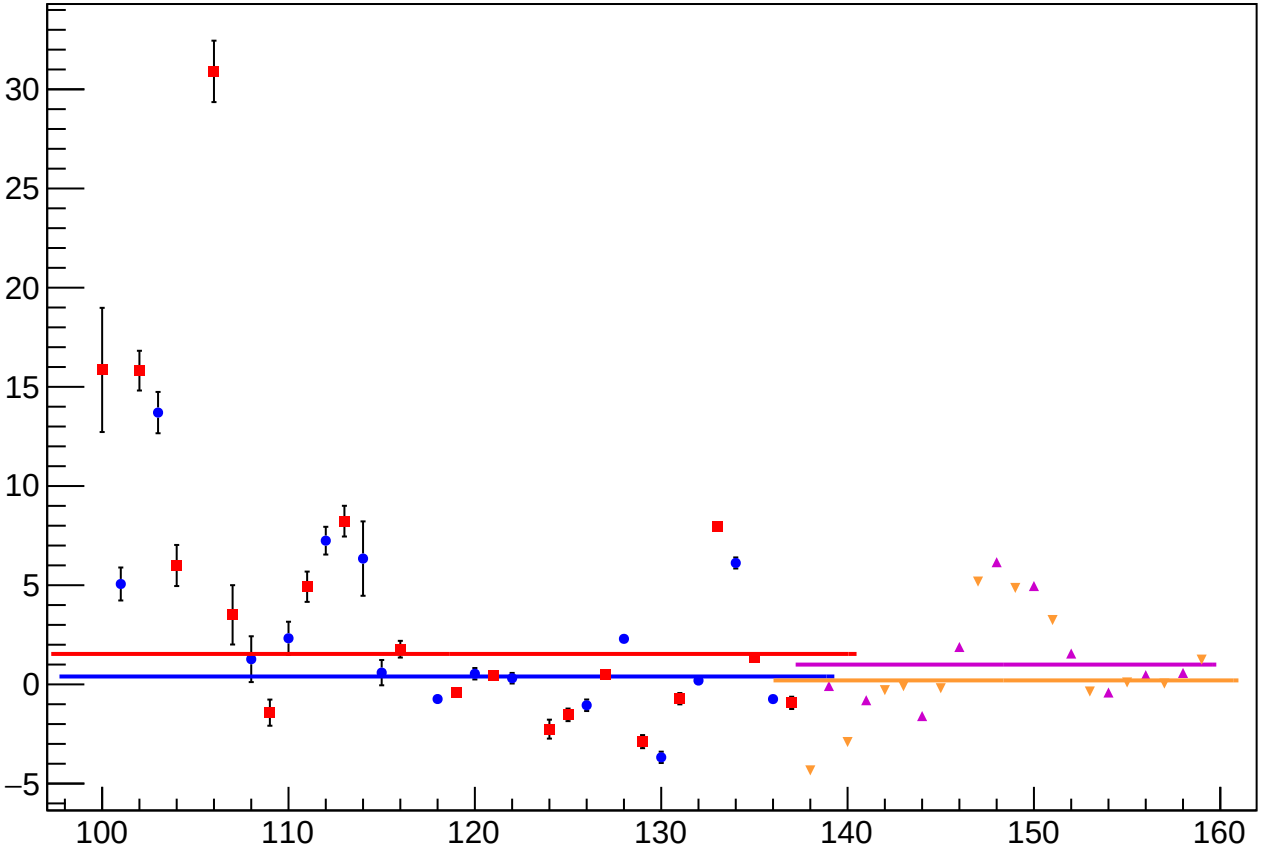
Left In: -0.258+/-0.005 χ^2/NDF:544.5/9

+ sign -0.225+/-0.005 χ^2/NDF: 1265.9/27

All: -0.226+/-0.003 χ^2/NDF: 2449.9/56

- sign -0.227+/-0.005 χ^2/NDF: 1183.8/28

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

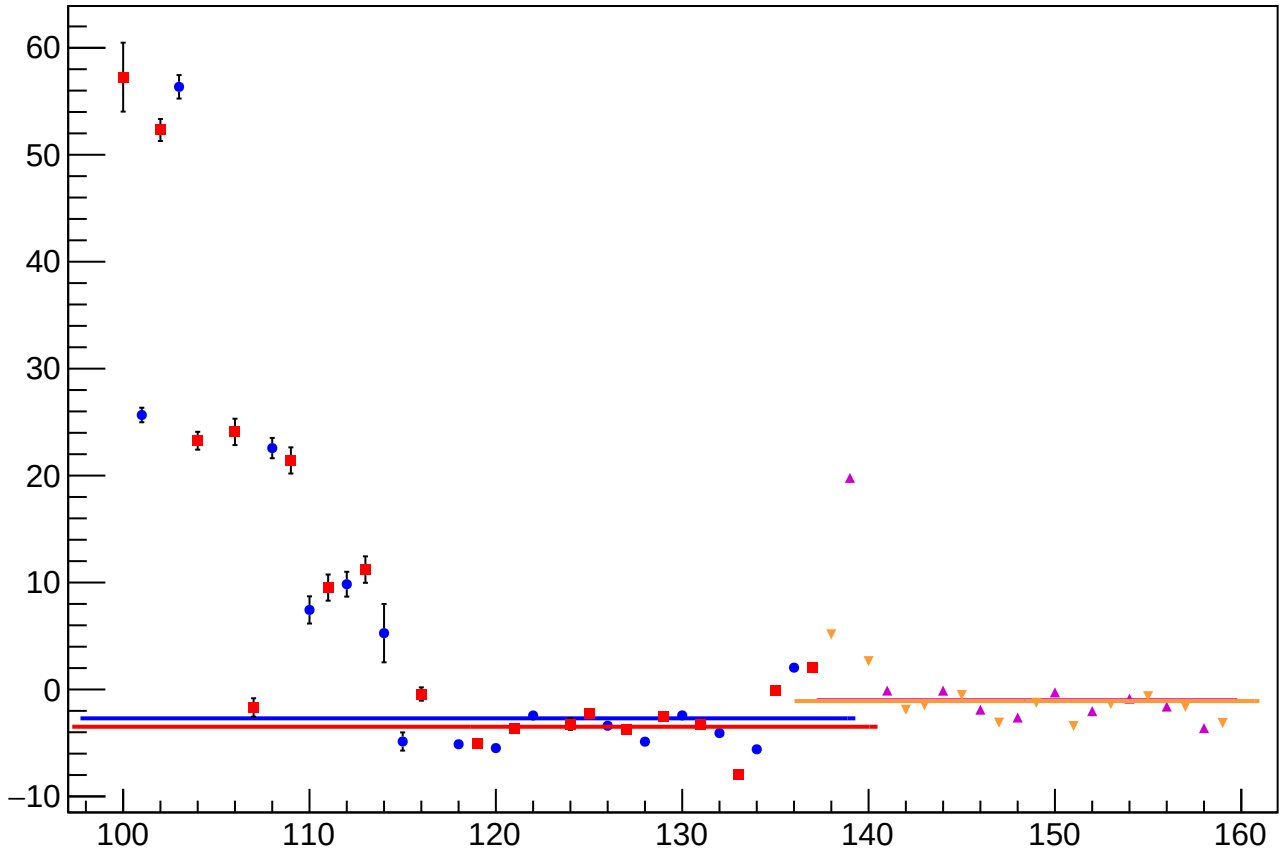
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.998+/-0.048 χ^2/NDF:2333.4/9

+ sign 0.254+/-0.040 χ^2/NDF: 4377.4/27

All: 0.691+/-0.029 χ^2/NDF: 9399.2/56

- sign 1.145+/-0.041 χ^2/NDF: 4778.9/28



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

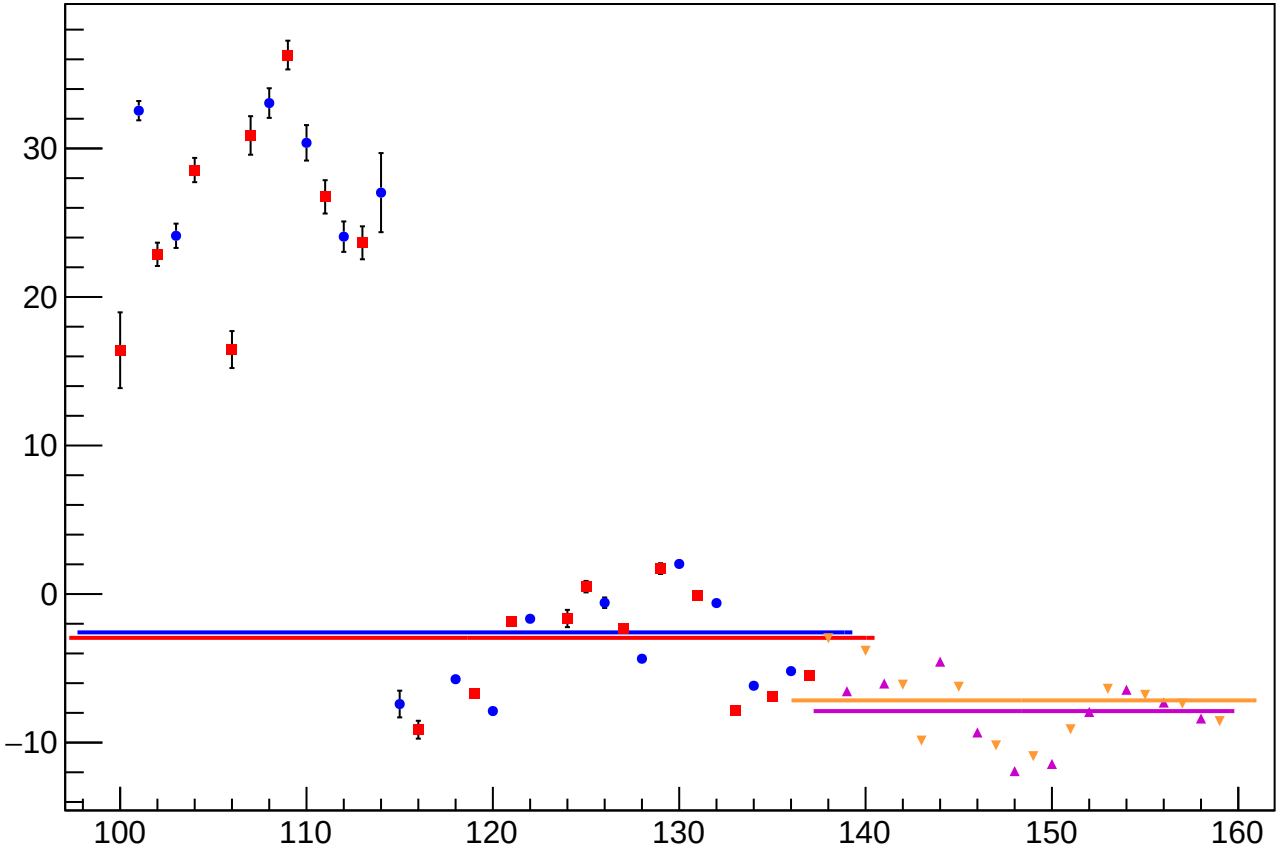
Left In: -1.007+/-0.033 χ^2/NDF:7889.8/9

+ sign -1.369+/-0.030 χ^2/NDF: 11521.5/27

All: -1.412+/-0.021 χ^2/NDF: 27578.0/56

- sign -1.455+/-0.030 χ^2/NDF: 16052.4/28

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

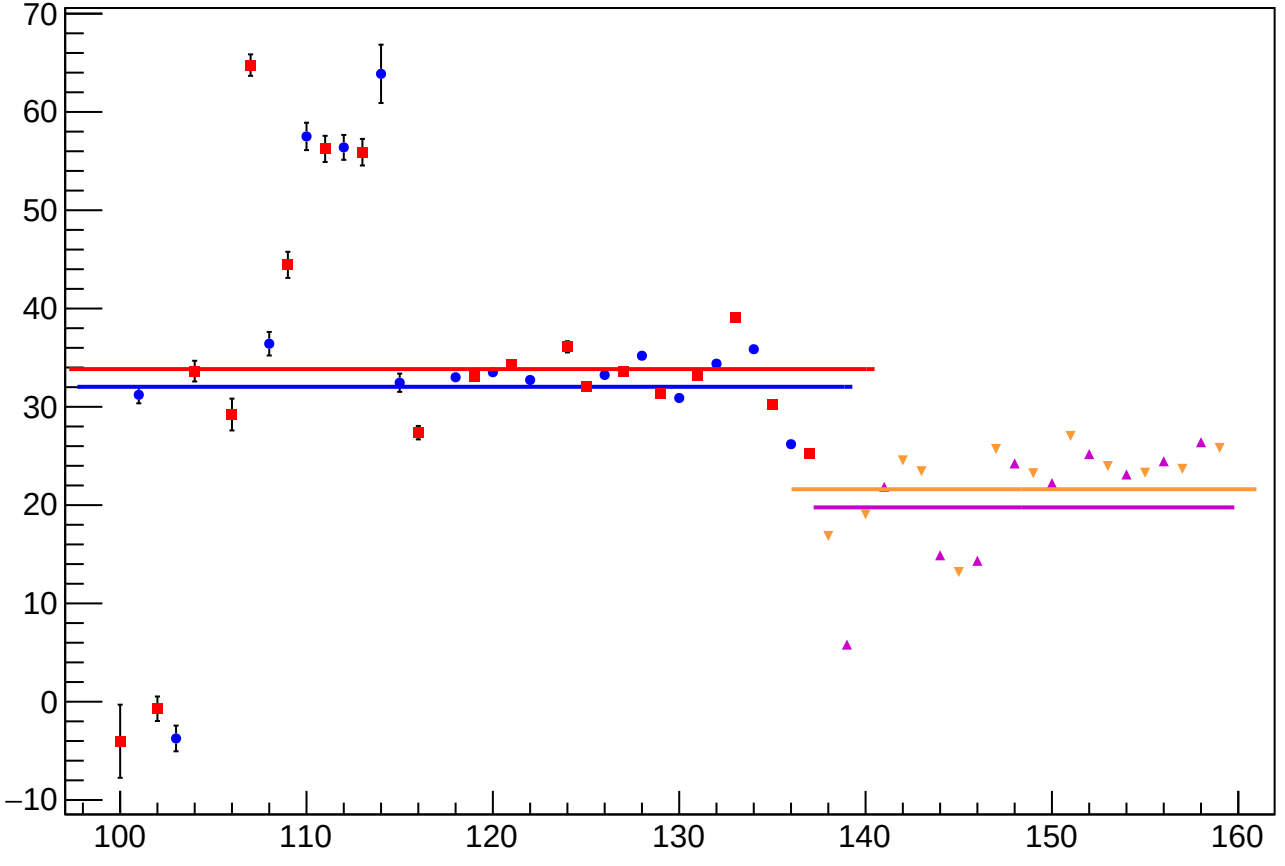
Left In: -7.880+/-0.047 χ^2/NDF:2513.6/9

+ sign -6.083+/-0.040 χ^2/NDF: 13296.3/27

All: -6.404+/-0.029 χ^2/NDF: 26723.8/56

- sign -6.735+/-0.041 χ^2/NDF: 13298.6/28

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

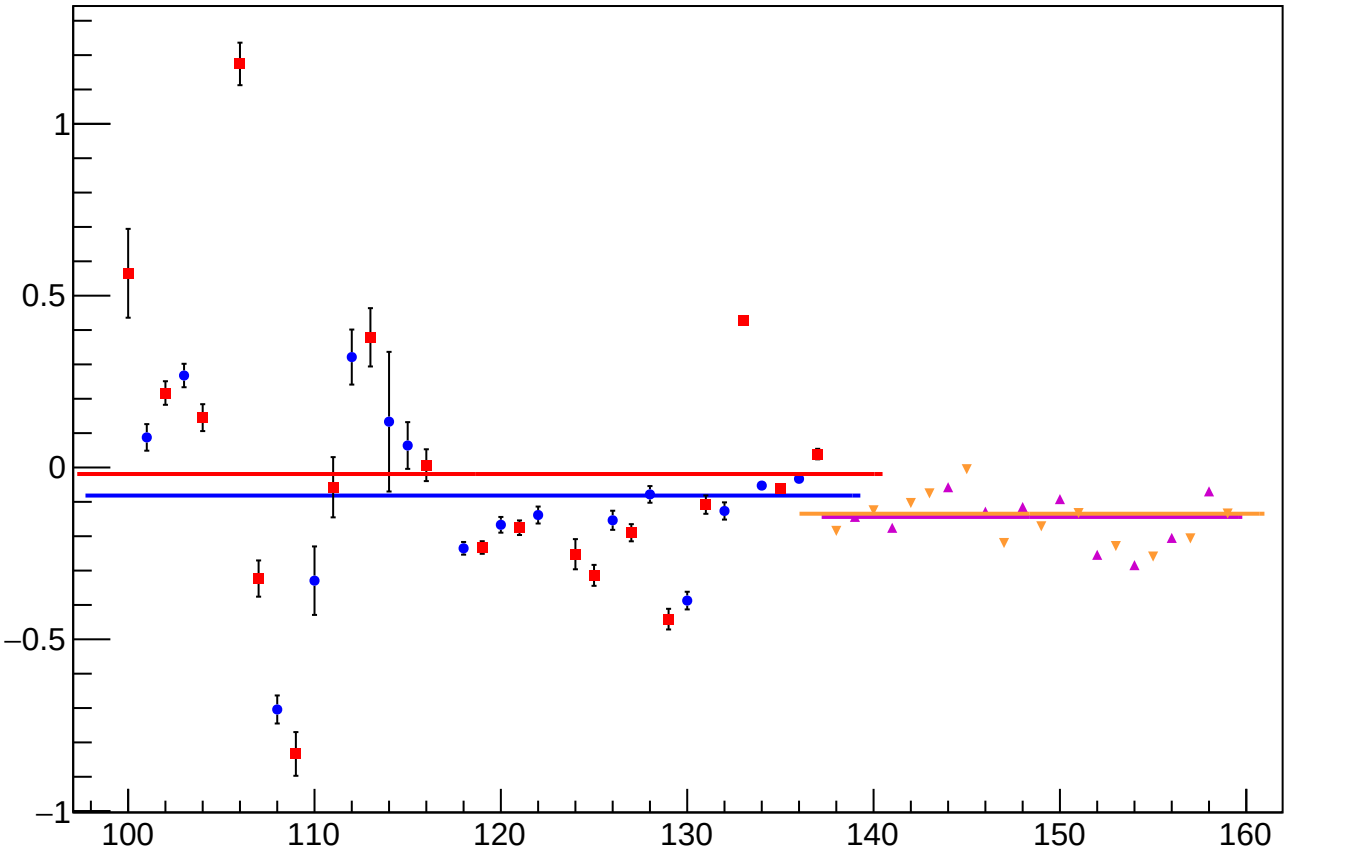
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 19.771+/-0.040 χ^2/NDF:16836.3/9

+ sign 23.584+/-0.035 χ^2/NDF: 30765.9/27

All: 23.018+/-0.025 χ^2/NDF: 76414.6/56

- sign 22.444+/-0.036 χ^2/NDF: 45131.8/28



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

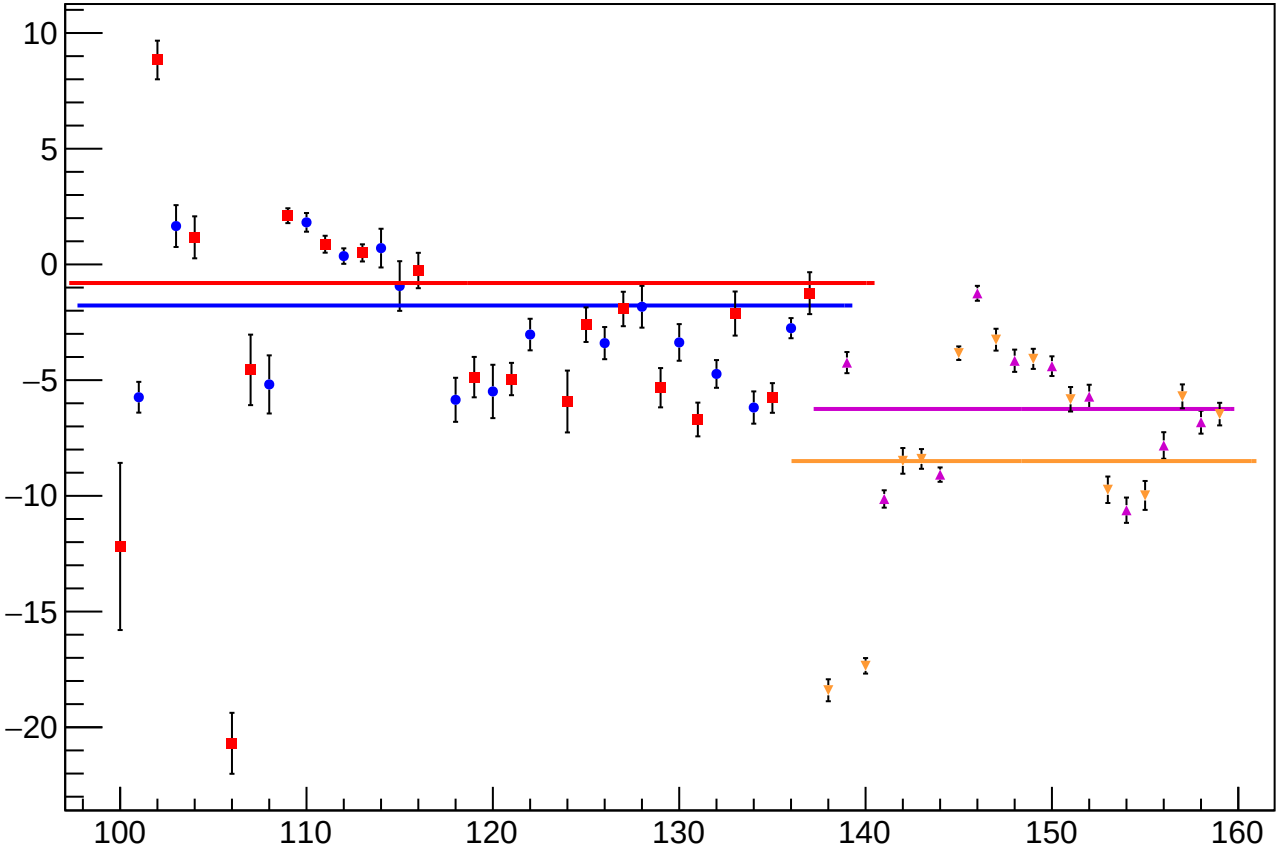
Left In: -0.144+/-0.002 χ^2/NDF:1452.4/9

+ sign -0.128+/-0.002 χ^2/NDF: 2844.1/27

All: -0.129+/-0.001 χ^2/NDF: 7085.0/56

- sign -0.130+/-0.002 χ^2/NDF: 4240.0/28

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

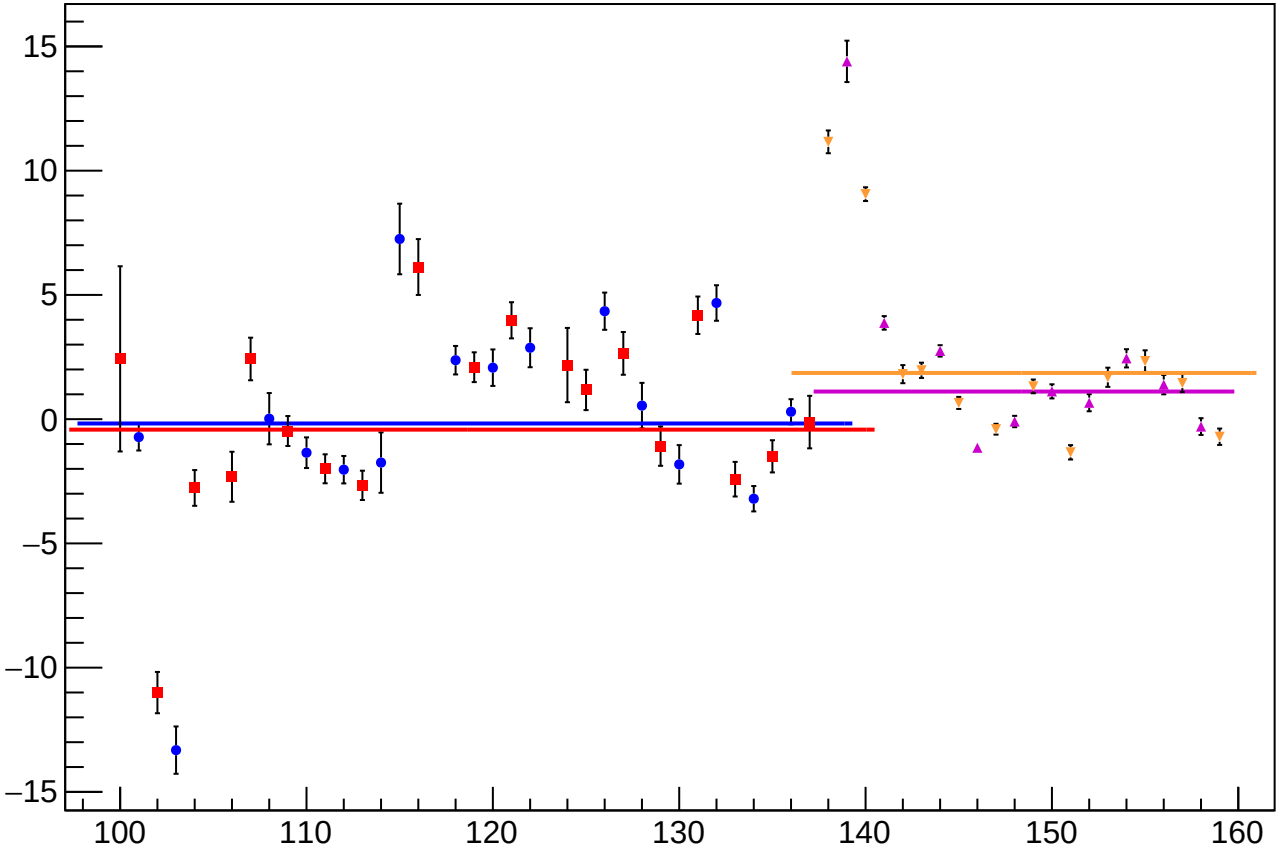
Left In: -6.246+/-0.134 χ^2/NDF:562.1/9

+ sign -5.805+/-0.099 χ^2/NDF: 3088.1/27

All: -4.804+/-0.070 χ^2/NDF: 5329.1/56

- sign -3.807+/-0.099 χ^2/NDF: 2038.9/28

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

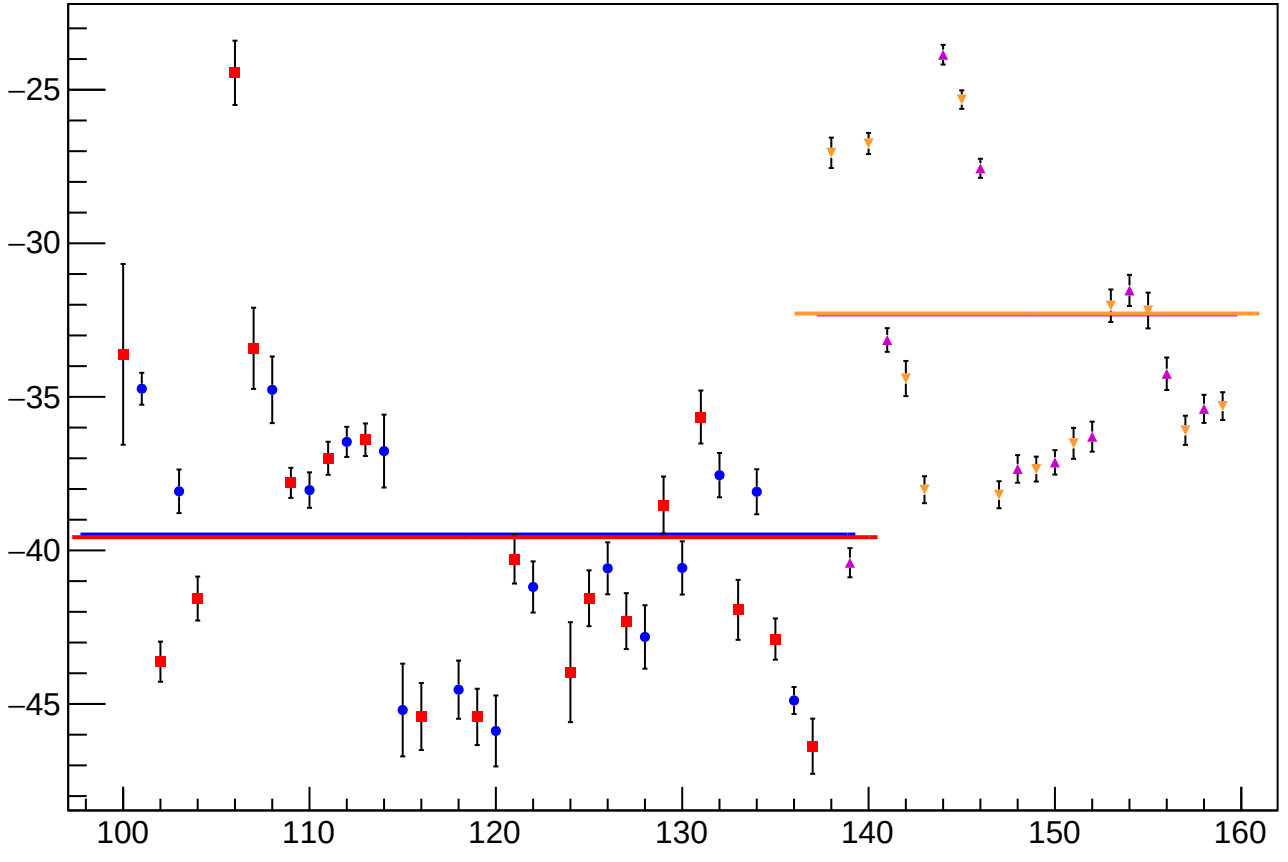
Left In: 1.111+/-0.090 χ^2/NDF:604.4/9

+ sign 1.439+/-0.079 χ^2/NDF: 1921.8/27

All: 1.124+/-0.056 χ^2/NDF: 2984.5/56

- sign 0.797+/-0.080 χ^2/NDF: 1030.1/28

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

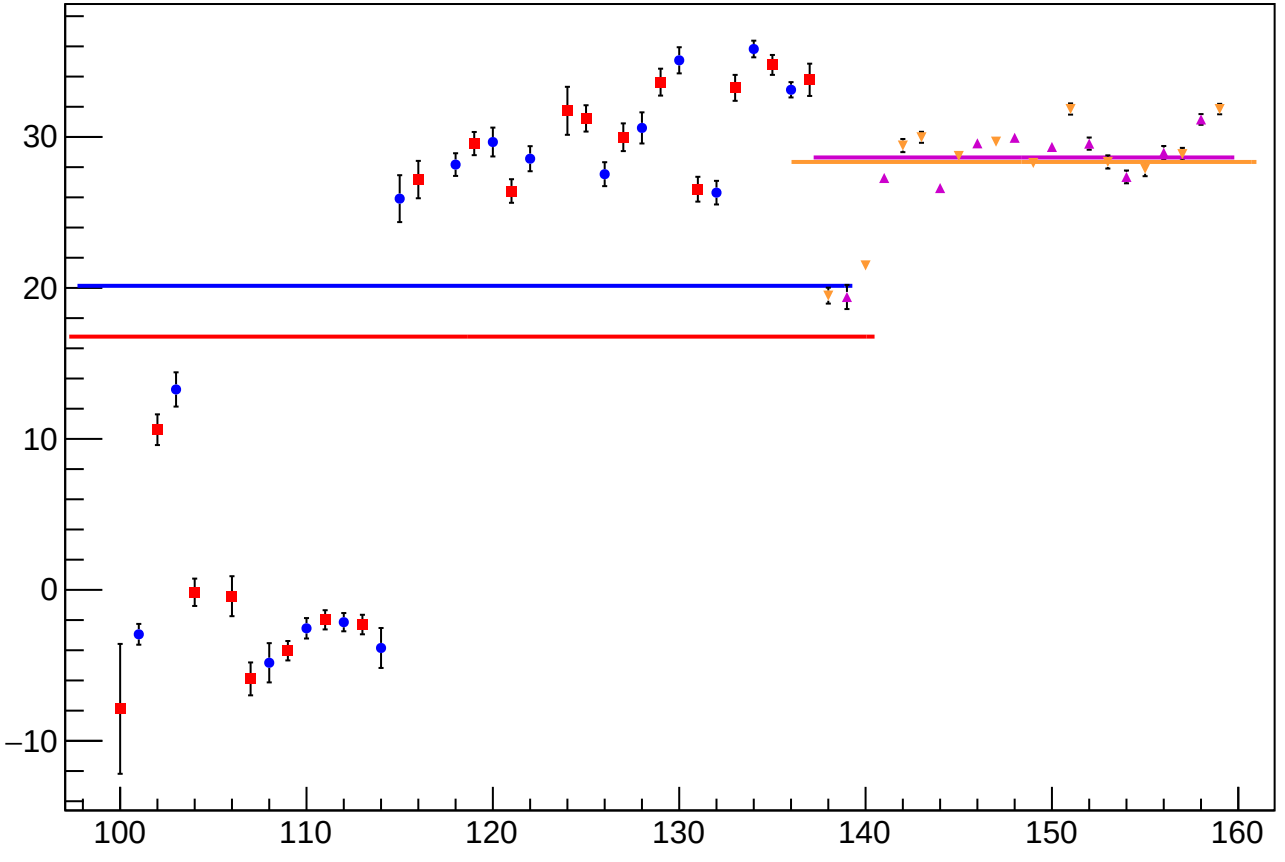
Left In: -32.316+/-0.130 χ^2/NDF:1626.8/9

+ sign -34.655+/-0.103 χ^2/NDF: 3082.0/27

All: -34.720+/-0.074 χ^2/NDF: 6321.9/56

- sign -34.789+/-0.106 χ^2/NDF: 3239.1/28

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

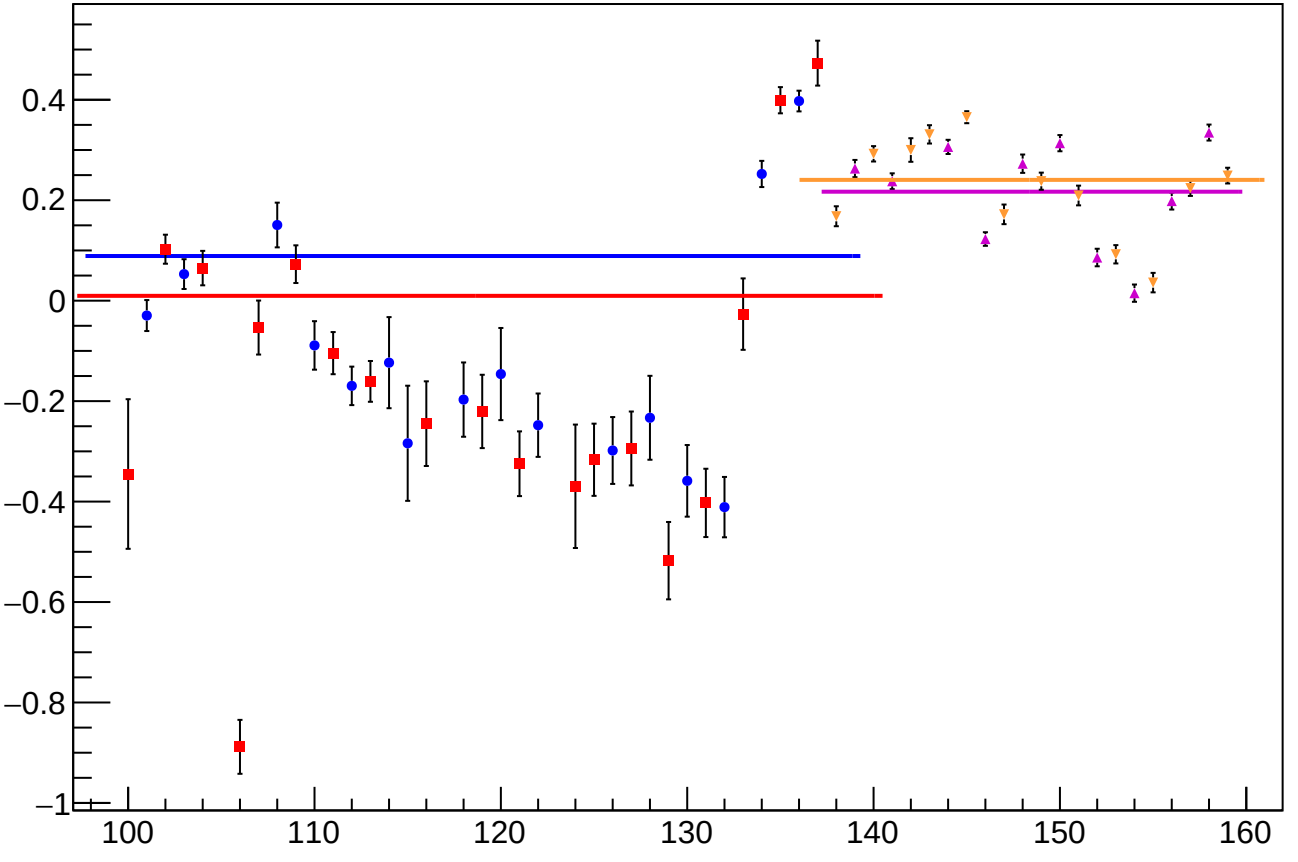
Left In: 28.643+/-0.108 χ^2/NDF:309.7/9

+ sign 26.475+/-0.093 χ^2/NDF: 9003.2/27

All: 26.223+/-0.066 χ^2/NDF: 18800.1/56

- sign 25.960+/-0.095 χ^2/NDF: 9781.9/28

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.241+/-0.005 χ^2/NDF:358.5/11

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

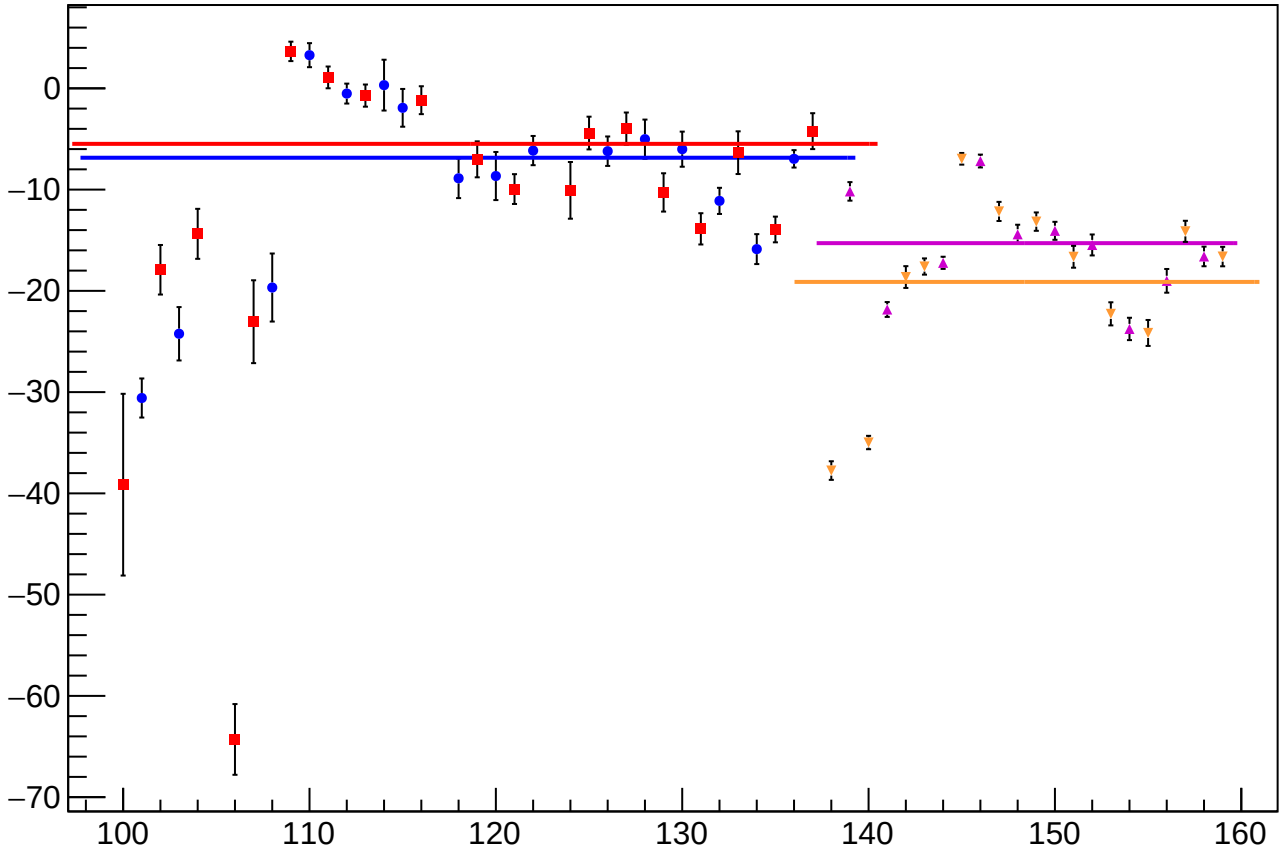
Left In: 0.217+/-0.005 χ^2/NDF:392.7/9

+ sign 0.213+/-0.004 χ^2/NDF: 1095.5/27

All: 0.197+/-0.003 χ^2/NDF: 2640.3/56

- sign 0.181+/-0.005 χ^2/NDF: 1519.7/28

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

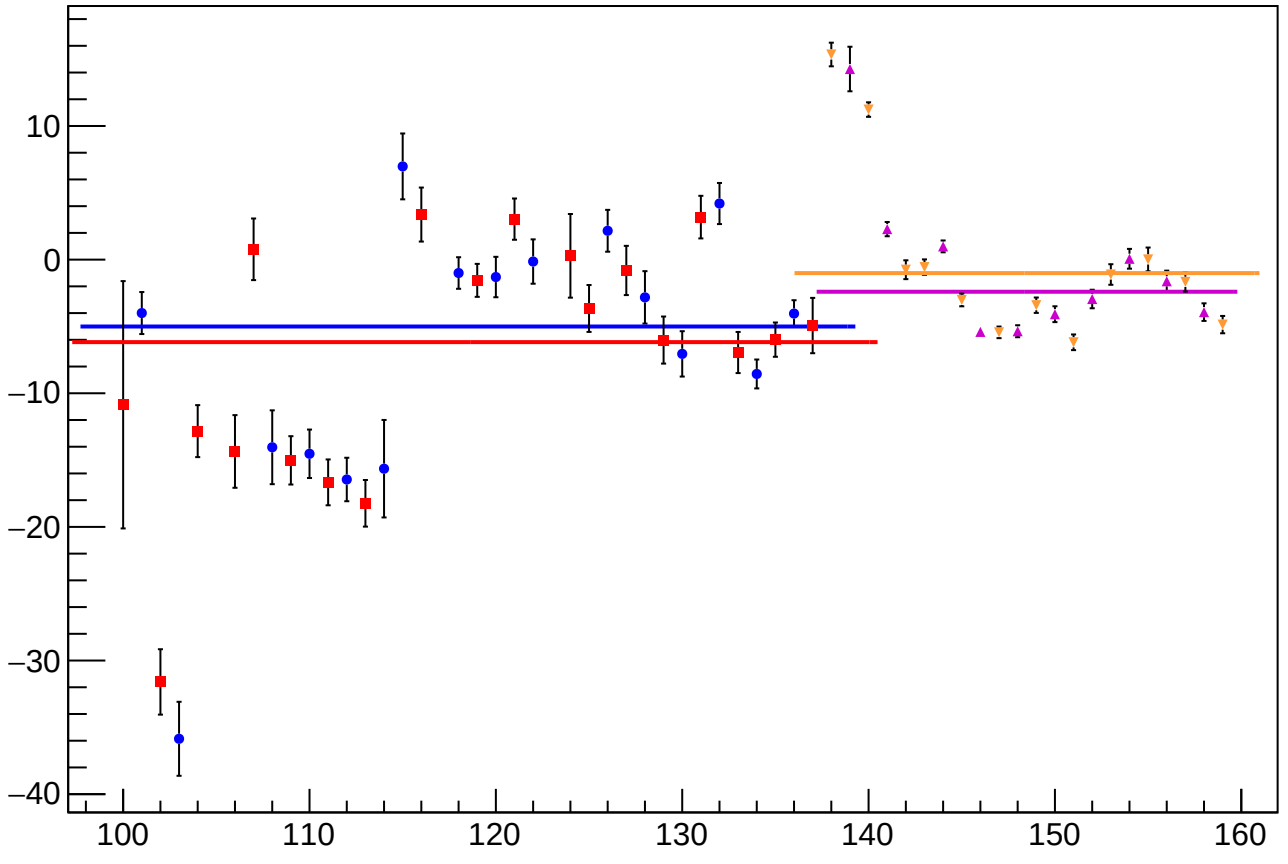
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -15.288+/-0.265 χ^2/NDF:358.0/9

+ sign -15.265+/-0.210 χ^2/NDF: 2713.2/27

All: -13.646+/-0.150 χ^2/NDF: 4264.8/56

- sign -11.951+/-0.215 χ^2/NDF: 1430.4/28



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

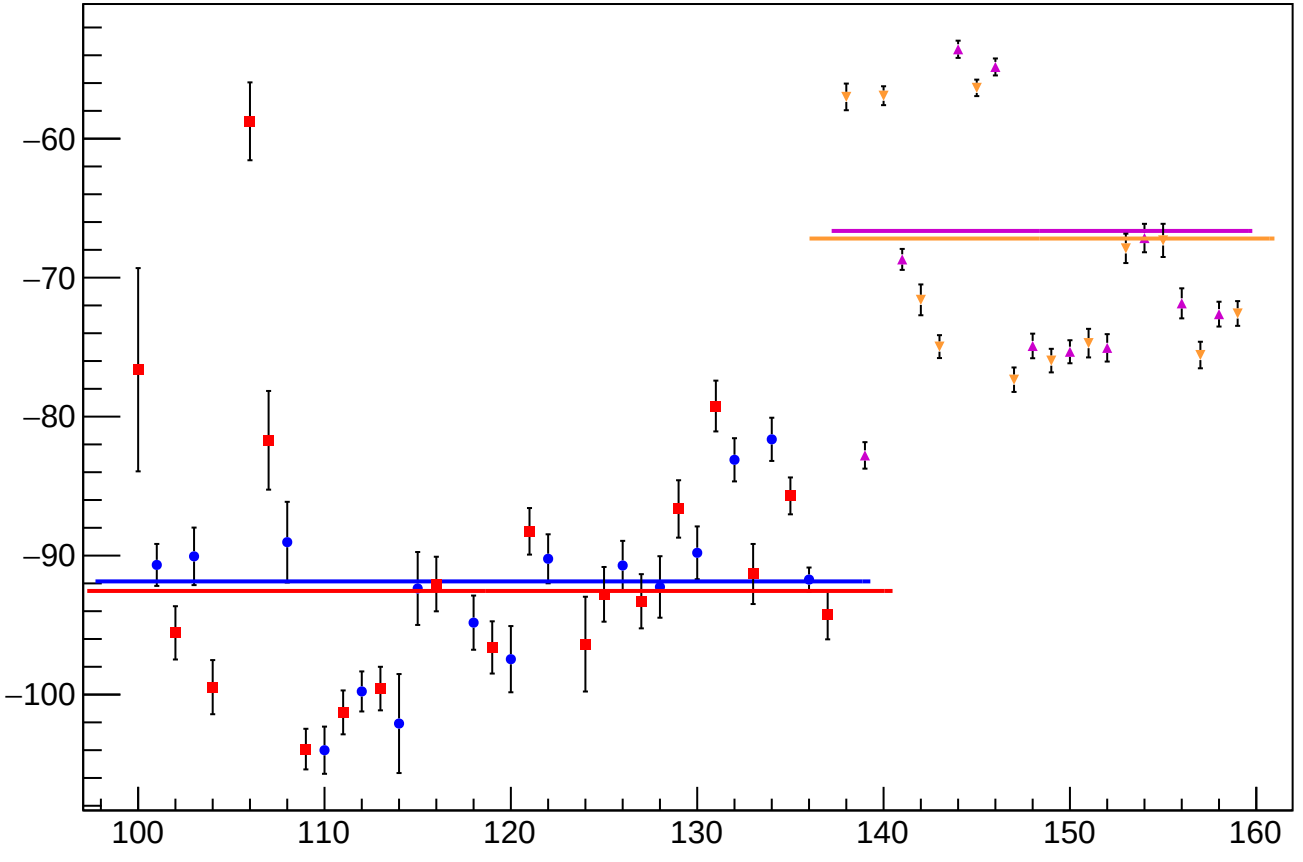
Left In: -2.403+/-0.178 χ^2/NDF:369.4/9

+ sign -1.665+/-0.160 χ^2/NDF: 1530.3/27

All: -2.311+/-0.114 χ^2/NDF: 2371.3/56

- sign -2.983+/-0.163 χ^2/NDF: 807.8/28

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

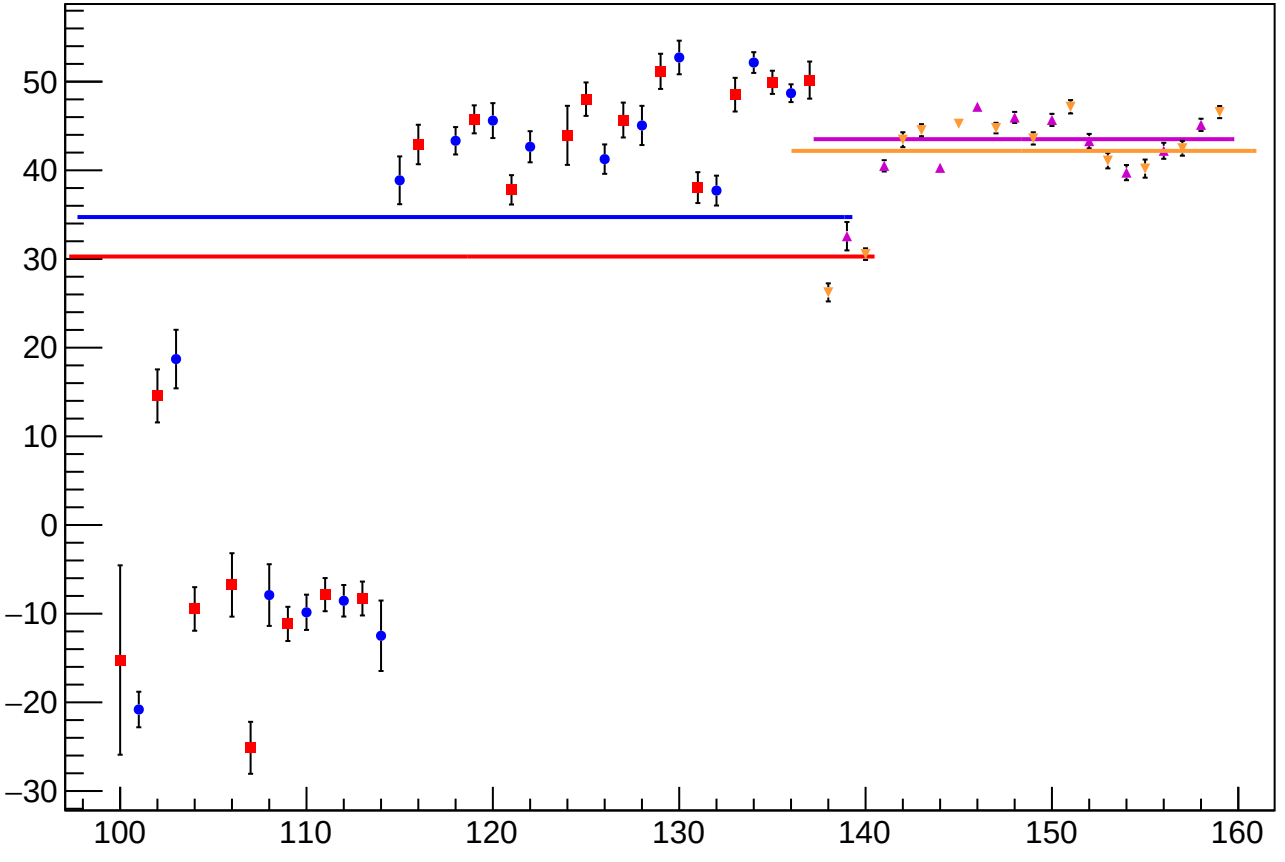
Left In: -66.639+/-0.258 χ^2/NDF:1451.8/9

+ sign -73.558+/-0.216 χ^2/NDF: 3877.2/27

All: -73.433+/-0.155 χ^2/NDF: 8301.2/56

- sign -73.300+/-0.223 χ^2/NDF: 4423.3/28

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

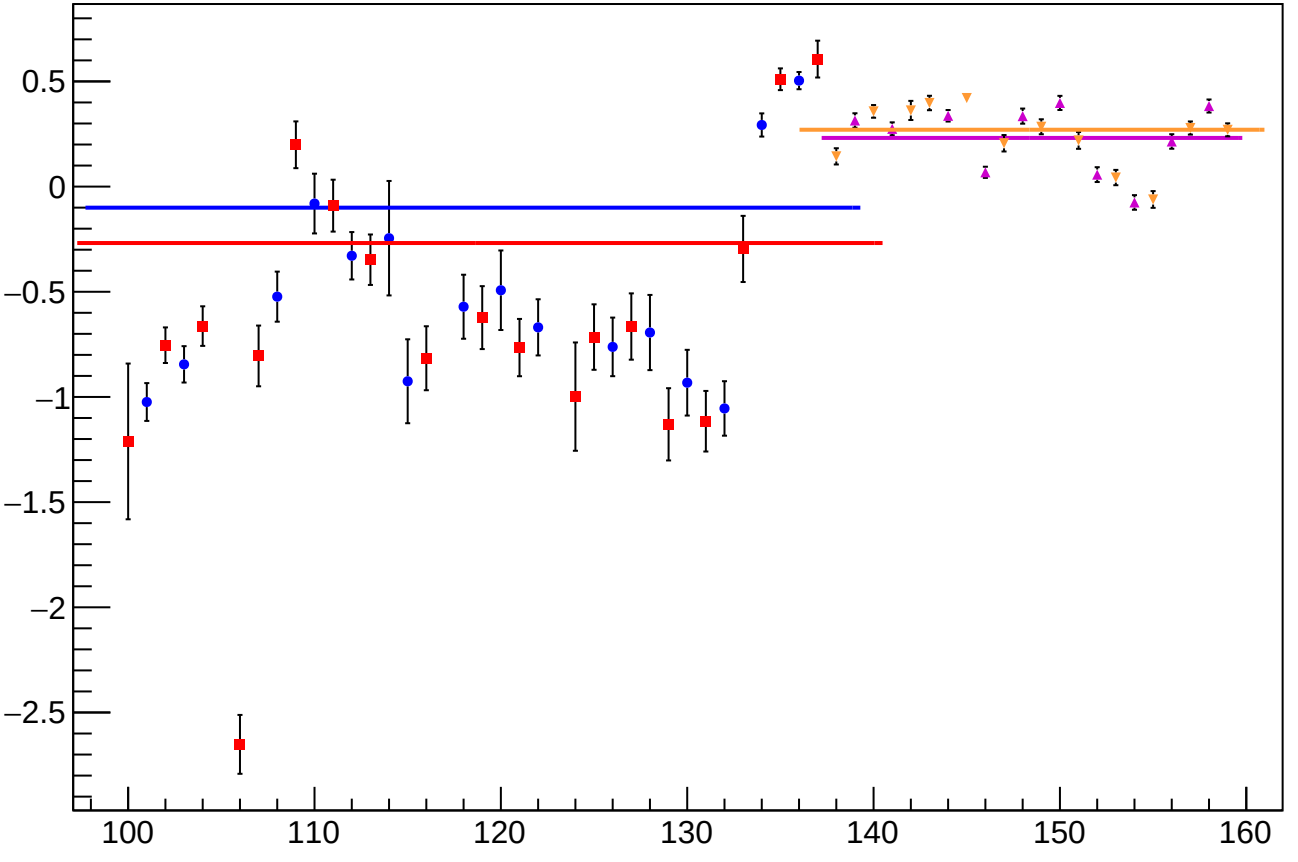
Left In: 43.513+/-0.214 χ^2/NDF:220.5/9

+ sign 40.820+/-0.189 χ^2/NDF: 3761.0/27

All: 41.018+/-0.136 χ^2/NDF: 7558.9/56

- sign 41.226+/-0.194 χ^2/NDF: 3795.6/28

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.270+/-0.010 χ^2/NDF:190.9/11

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

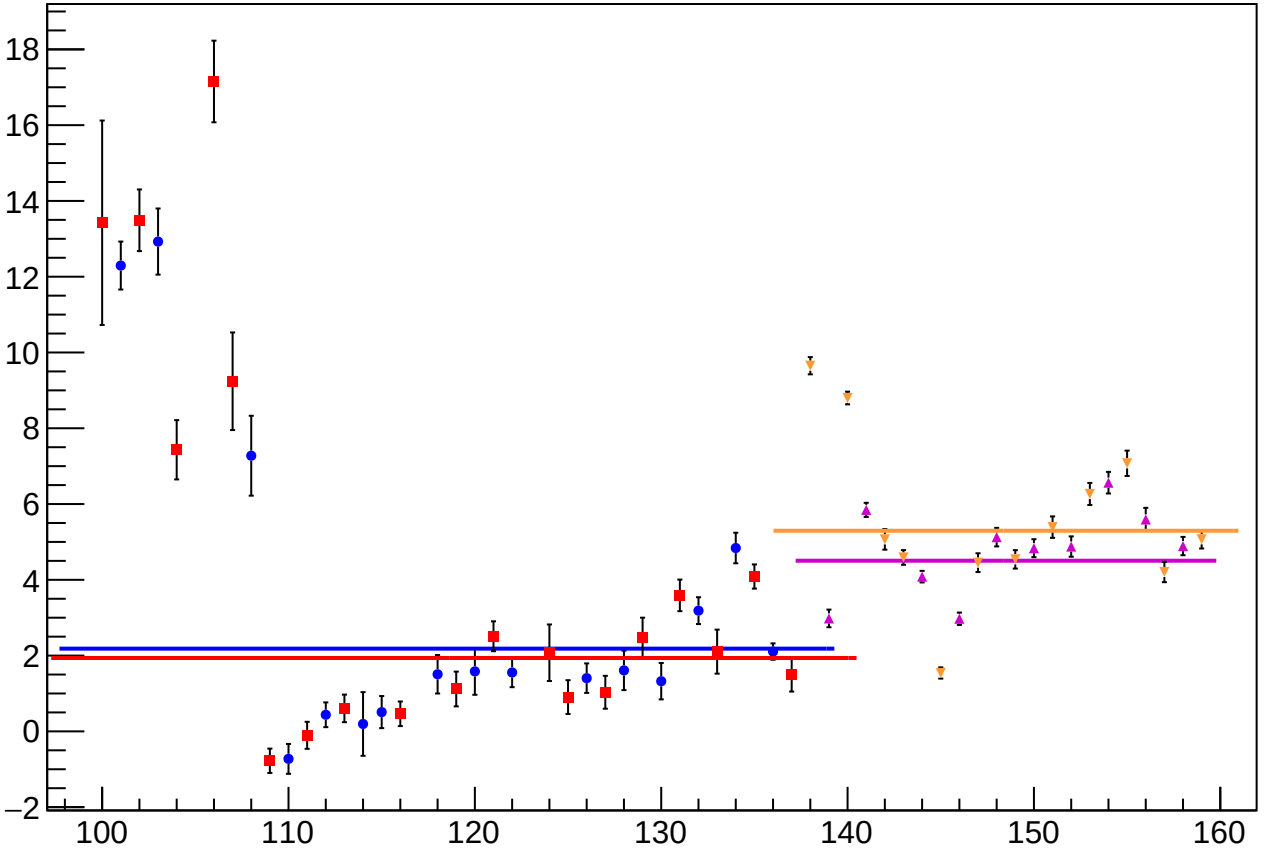
Left In: 0.231+/-0.010 χ^2/NDF:219.8/9

+ sign 0.218+/-0.009 χ^2/NDF: 1026.4/27

All: 0.193+/-0.007 χ^2/NDF: 2397.0/56

- sign 0.167+/-0.009 χ^2/NDF: 1355.9/28

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.295+/-0.065 χ^2/NDF:1532.3/11

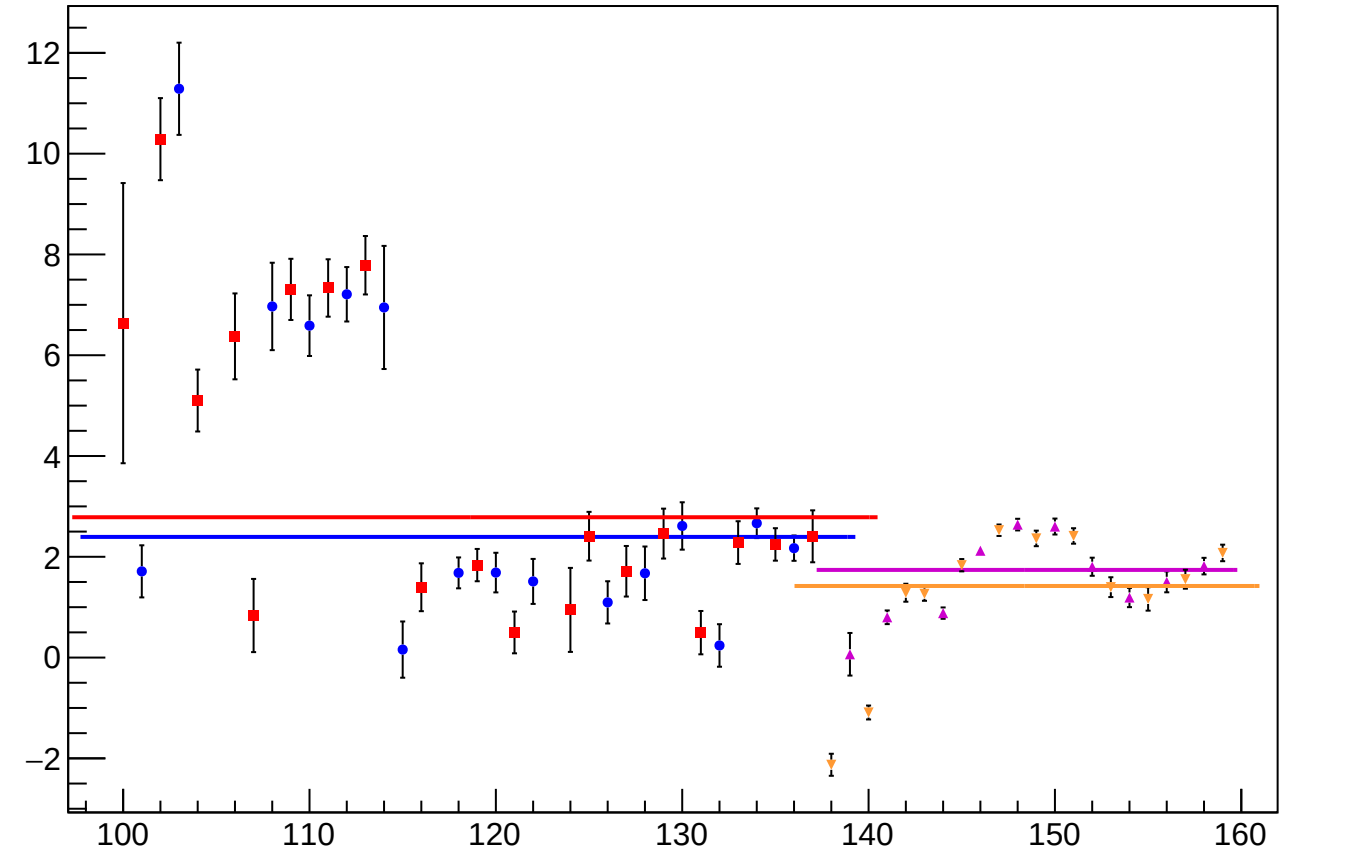
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.504+/-0.068 χ^2/NDF:267.7/9

+ sign 4.435+/-0.055 χ^2/NDF: 2767.1/27

All: 4.104+/-0.040 χ^2/NDF: 4244.7/56

- sign 3.749+/-0.057 χ^2/NDF: 1403.3/28



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

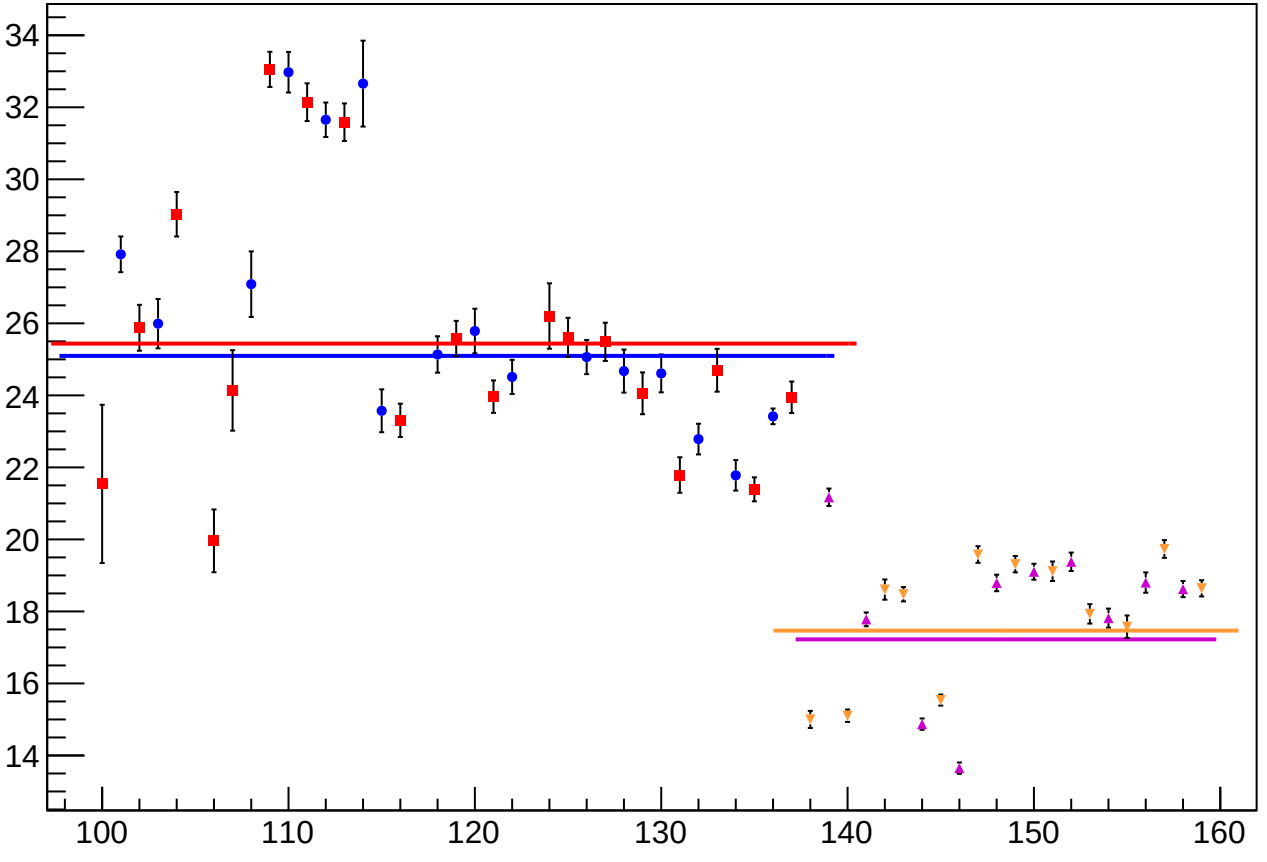
Left In: 1.740+/-0.045 χ^2/NDF:237.6/9

+ sign 1.564+/-0.042 χ^2/NDF: 1201.0/27

All: 1.718+/-0.030 χ^2/NDF: 1948.3/56

- sign 1.879+/-0.042 χ^2/NDF: 719.0/28

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

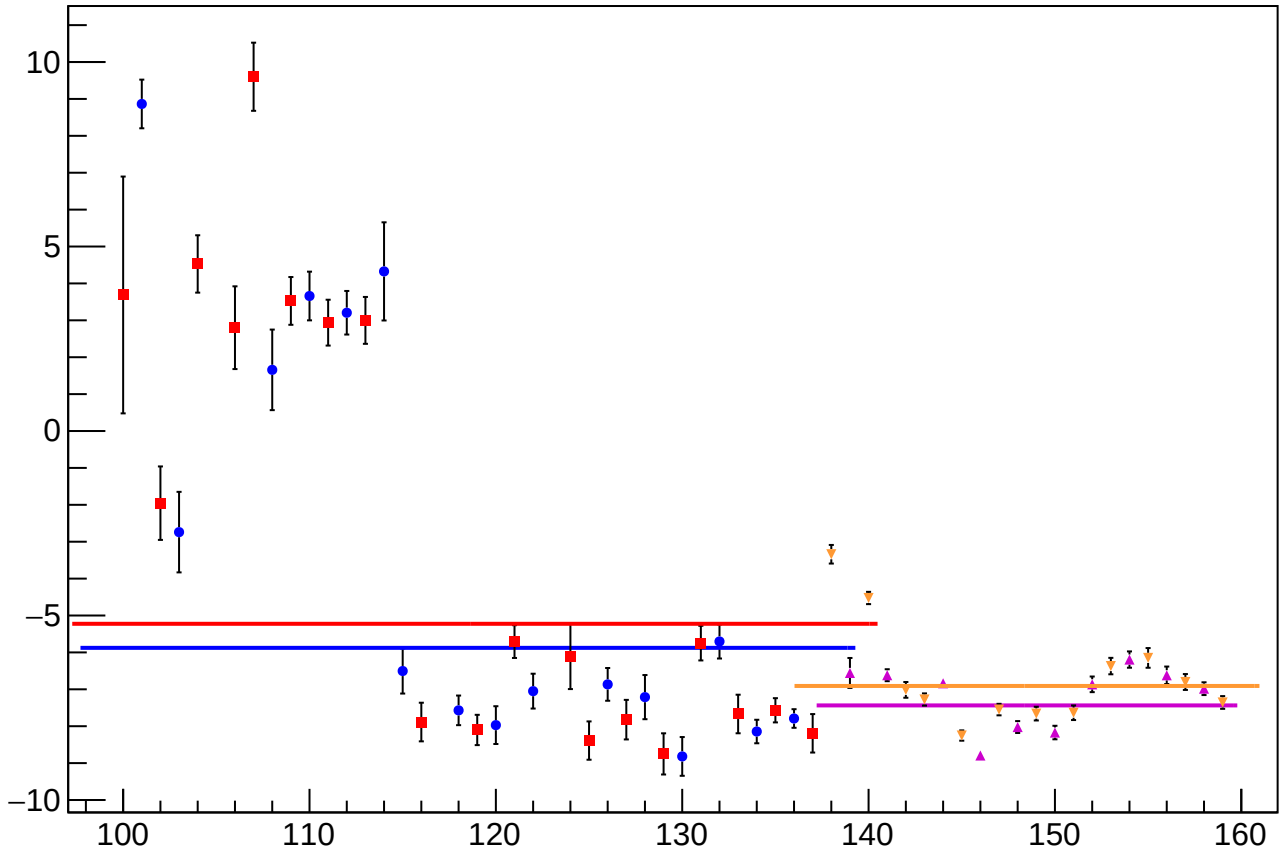
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 17.224+/-0.066 χ^2/NDF:1280.1/9

+ sign 19.213+/-0.056 χ^2/NDF: 4670.2/27

All: 19.137+/-0.041 χ^2/NDF: 10241.2/56

- sign 19.054+/-0.059 χ^2/NDF: 5567.2/28



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

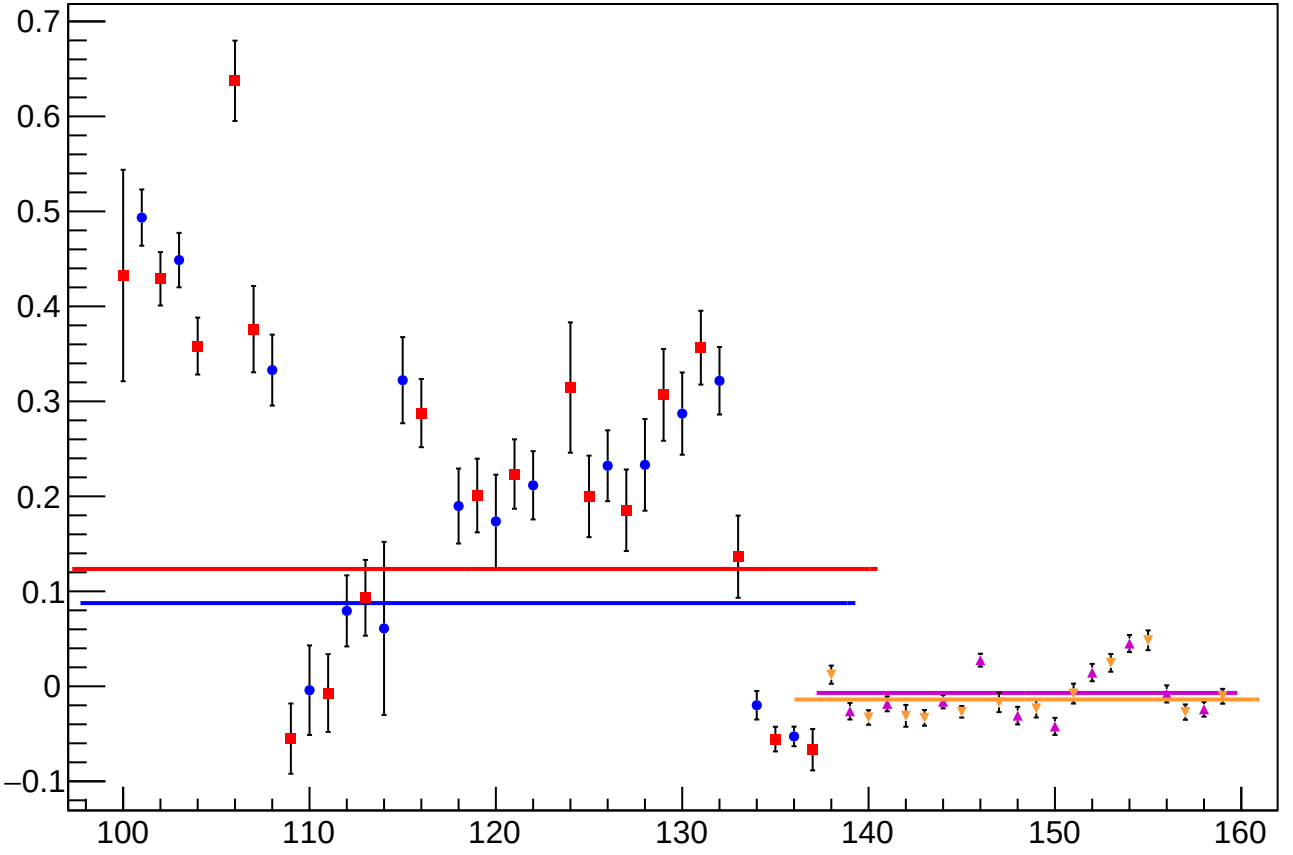
Left In: -7.436+/-0.055 χ^2/NDF:266.2/9

+ sign -6.738+/-0.049 χ^2/NDF: 1883.3/27

All: -6.915+/-0.035 χ^2/NDF: 3715.6/56

- sign -7.101+/-0.050 χ^2/NDF: 1805.8/28

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

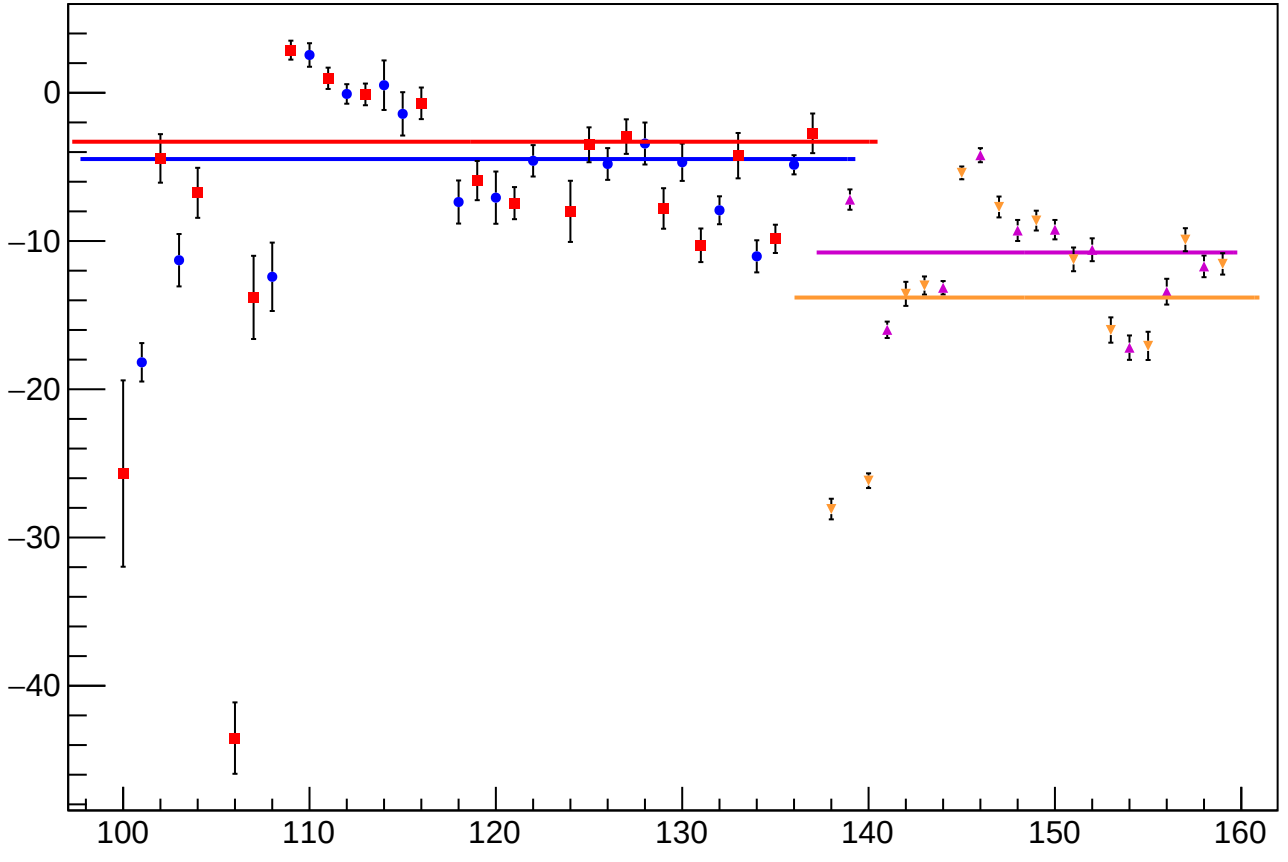
Left In: -0.007+/-0.003 χ^2/NDF:100.5/9

+ sign -0.001+/-0.002 χ^2/NDF: 1058.2/27

All: 0.003+/-0.002 χ^2/NDF: 2209.3/56

- sign 0.008+/-0.002 χ^2/NDF: 1144.6/28

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -13.812+/-0.191 χ^2/NDF:1620.2/11

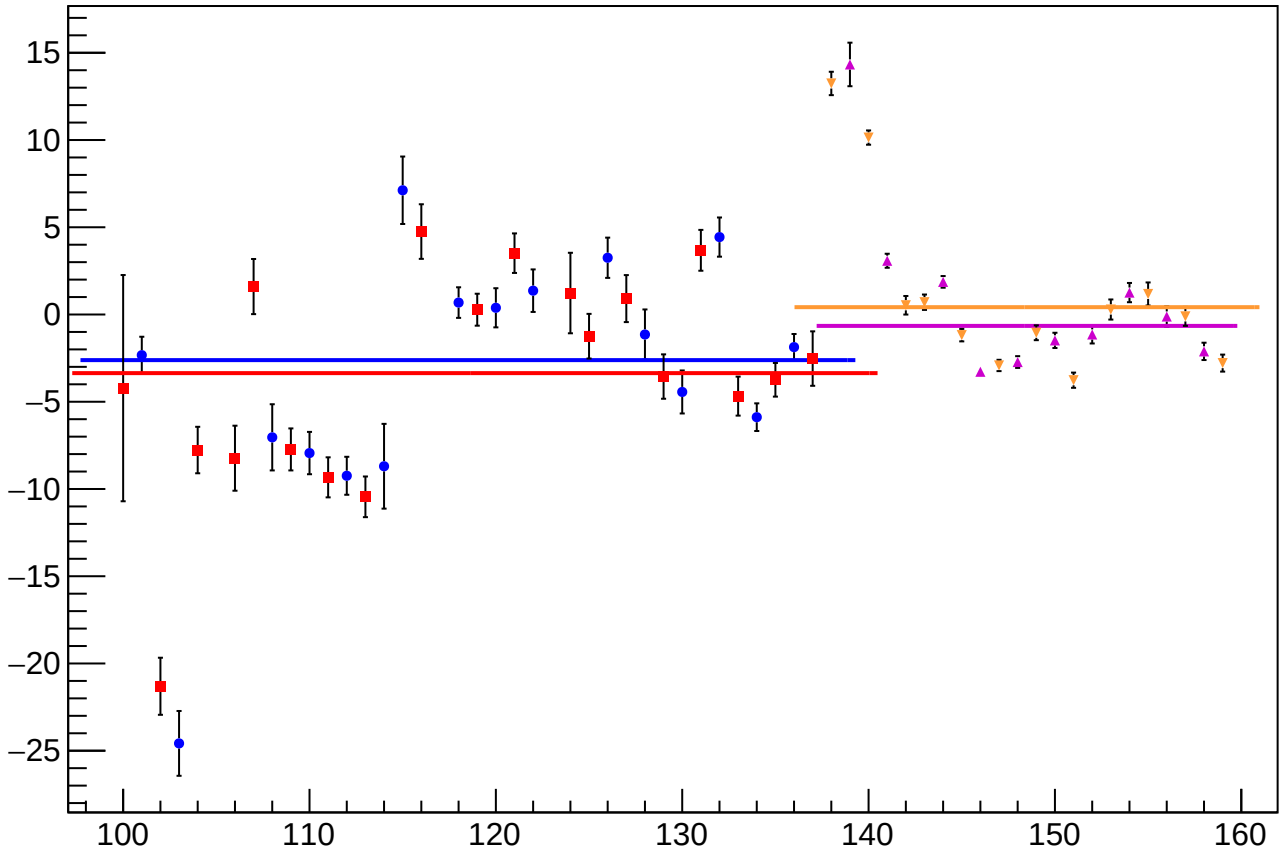
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.773+/-0.199 χ^2/NDF:415.4/9

+ sign -10.681+/-0.155 χ^2/NDF: 2757.1/27

All: -9.378+/-0.111 χ^2/NDF: 4419.5/56

- sign -8.032+/-0.158 χ^2/NDF: 1519.5/28



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.420+/-0.131 χ^2/NDF:1207.3/11

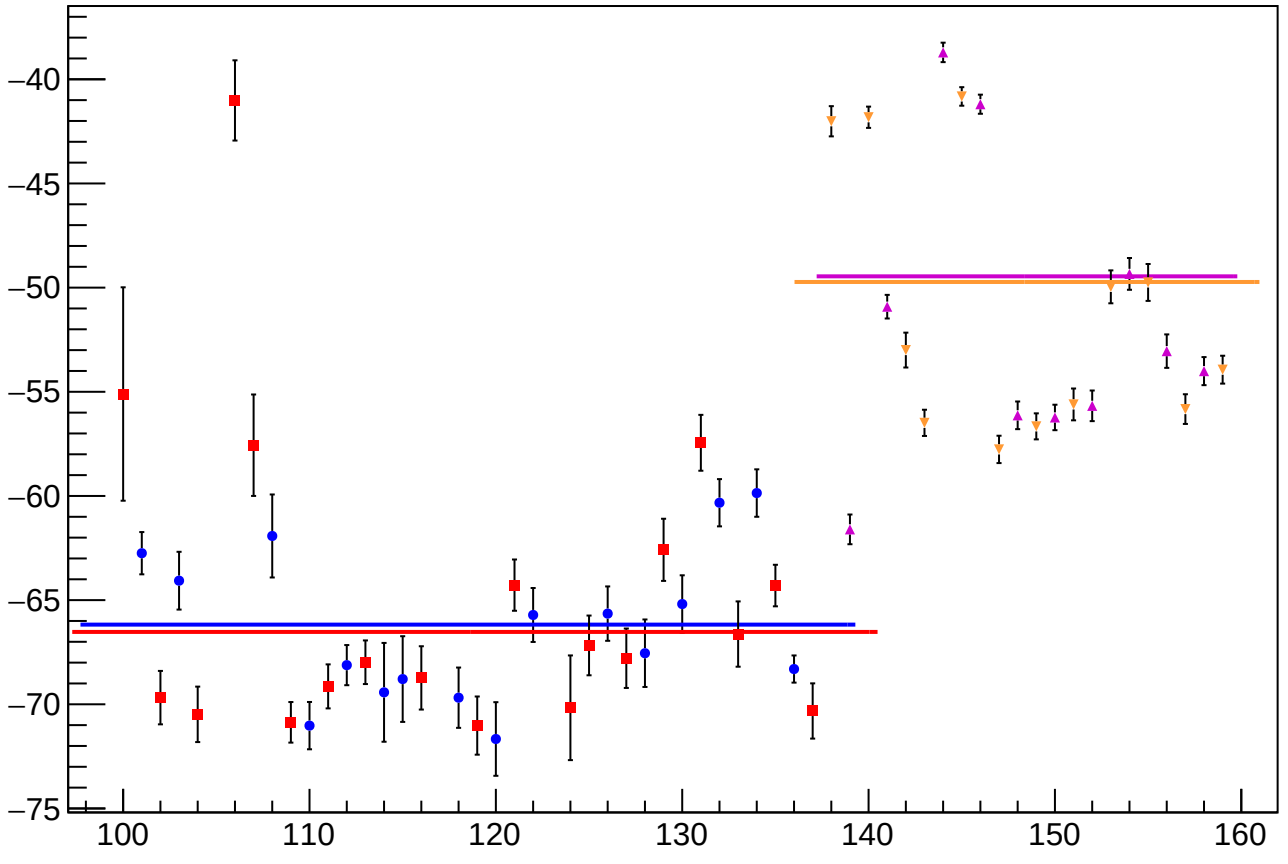
Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.653+/-0.133 χ^2/NDF:437.3/9

+ sign -0.109+/-0.119 χ^2/NDF: 1652.4/27

All: -0.596+/-0.085 χ^2/NDF: 2551.7/56

- sign -1.102+/-0.122 χ^2/NDF: 865.4/28



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

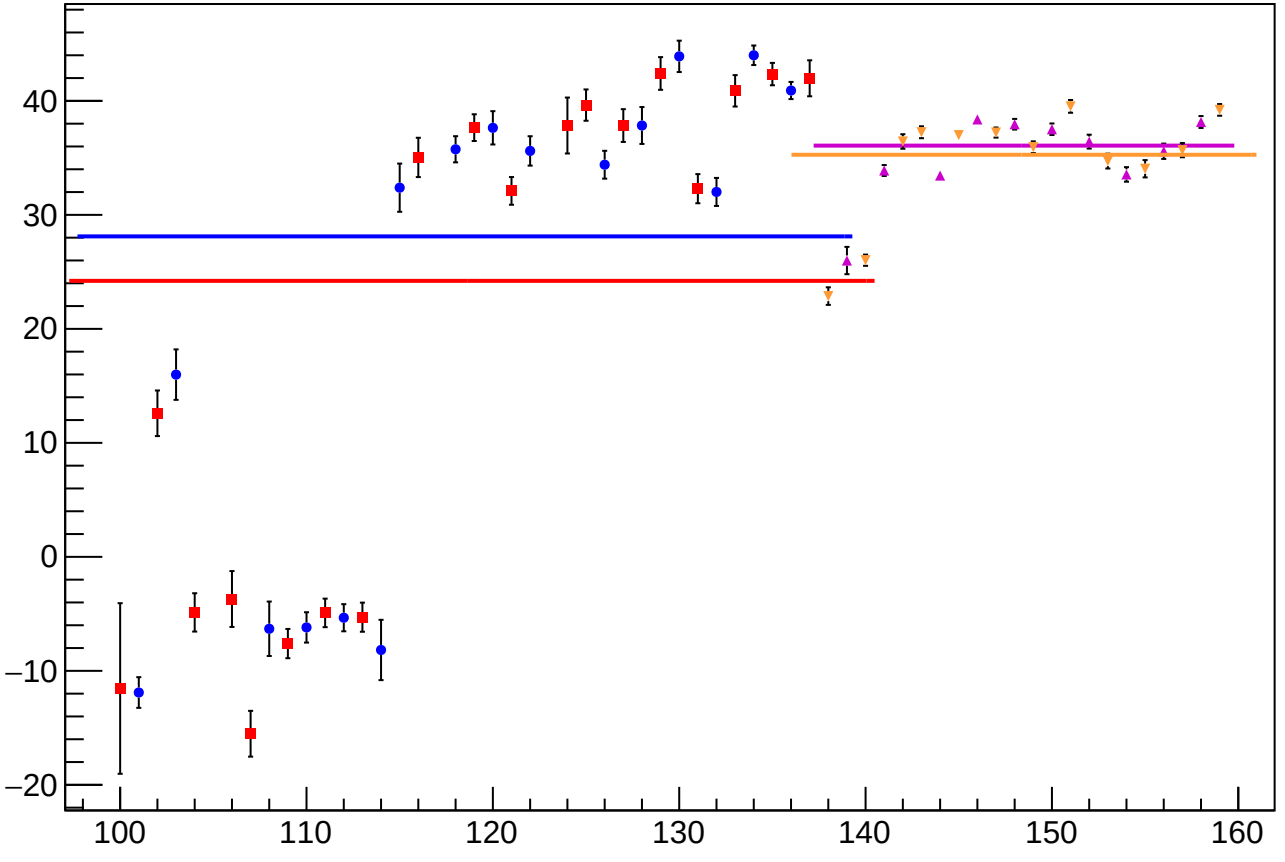
Left In: -49.458+/-0.194 χ^2/NDF:1512.3/9

+ sign -54.256+/-0.160 χ^2/NDF: 3576.1/27

All: -54.225+/-0.115 χ^2/NDF: 7566.5/56

- sign -54.191+/-0.165 χ^2/NDF: 3990.3/28

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

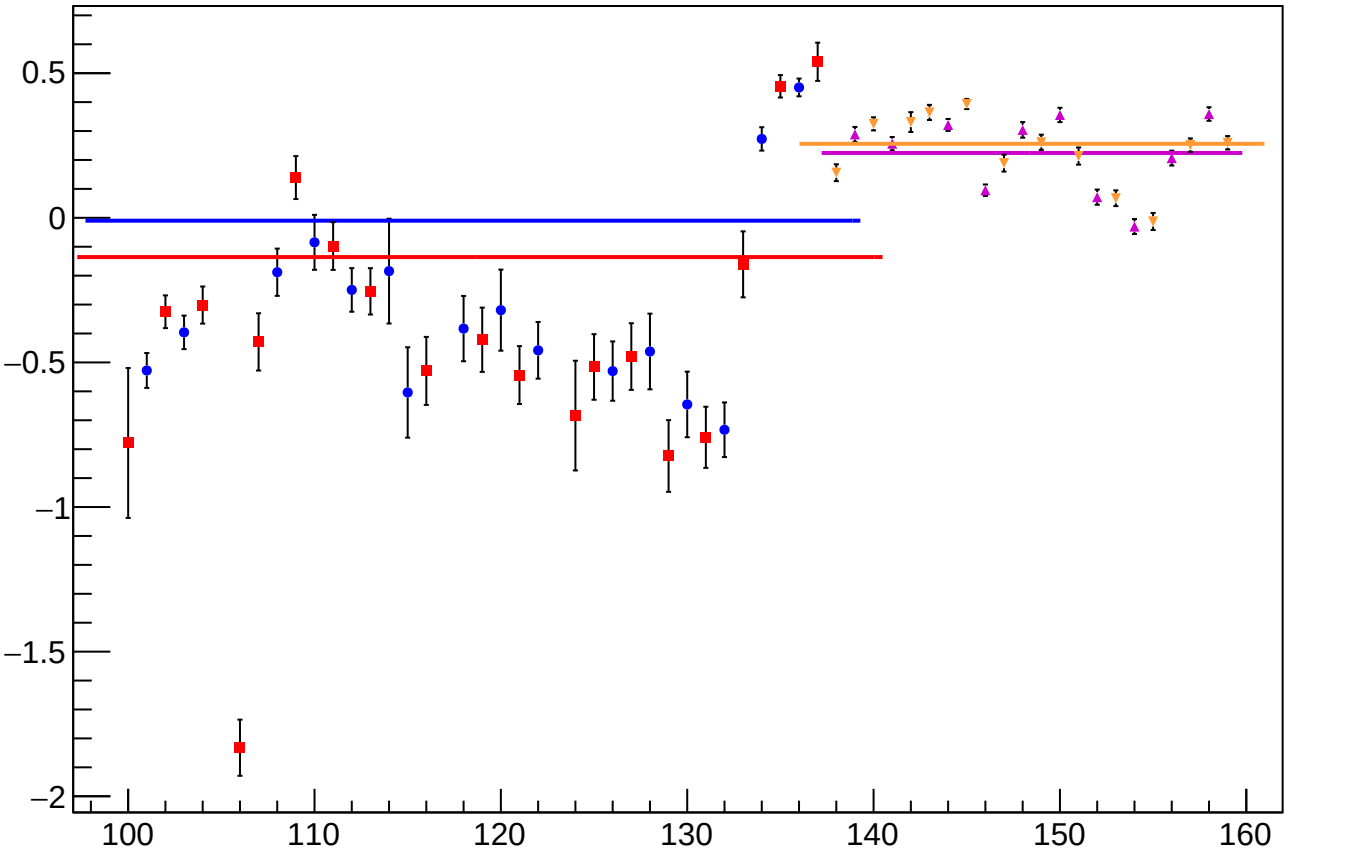
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.075+/-0.160 χ^2/NDF:235.0/9

+ sign 33.881+/-0.141 χ^2/NDF: 4918.6/27

All: 33.878+/-0.101 χ^2/NDF: 10013.1/56

- sign 33.876+/-0.144 χ^2/NDF: 5094.6/28



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

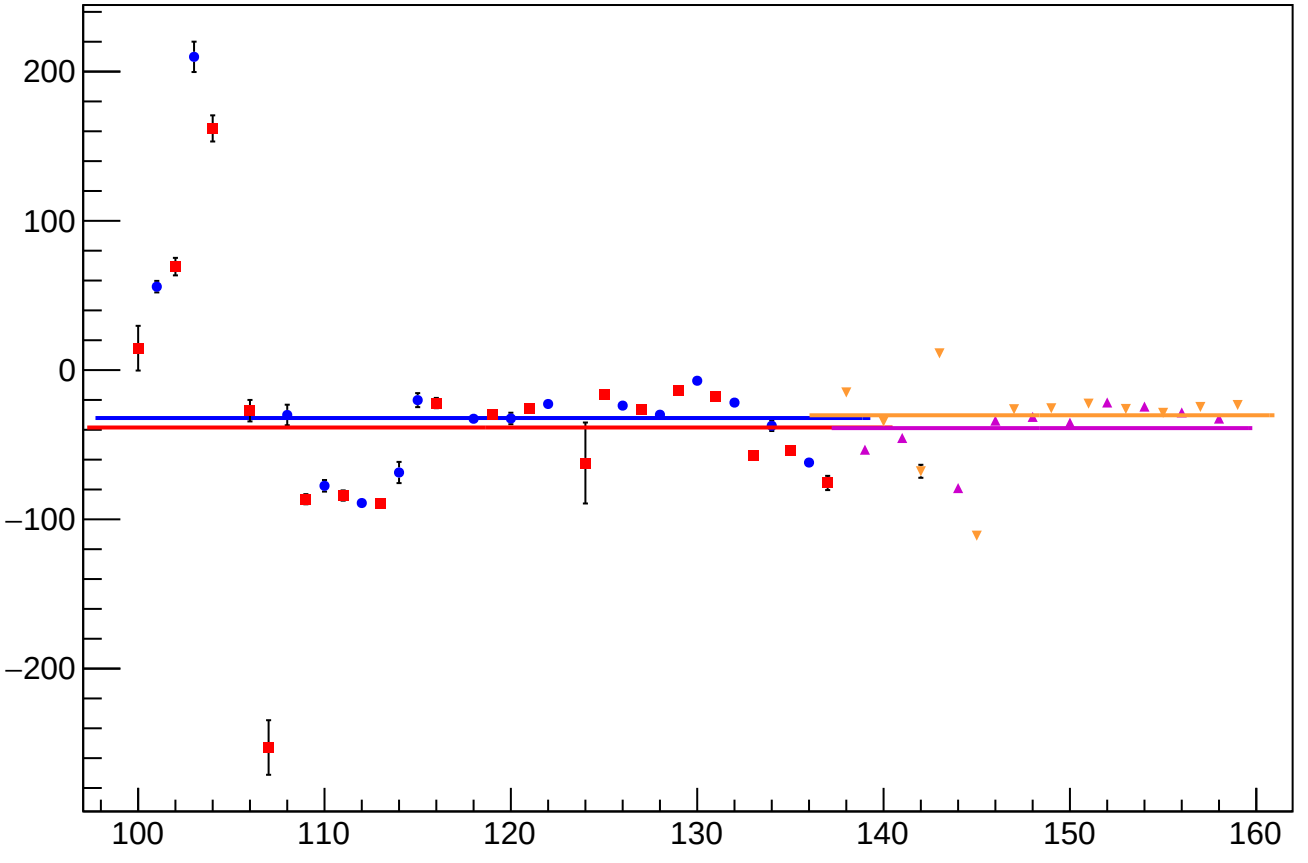
Left In: 0.224+/-0.008 χ^2/NDF:272.7/9

+ sign 0.215+/-0.007 χ^2/NDF: 1028.5/27

All: 0.196+/-0.005 χ^2/NDF: 2452.4/56

- sign 0.174+/-0.007 χ^2/NDF: 1406.1/28

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

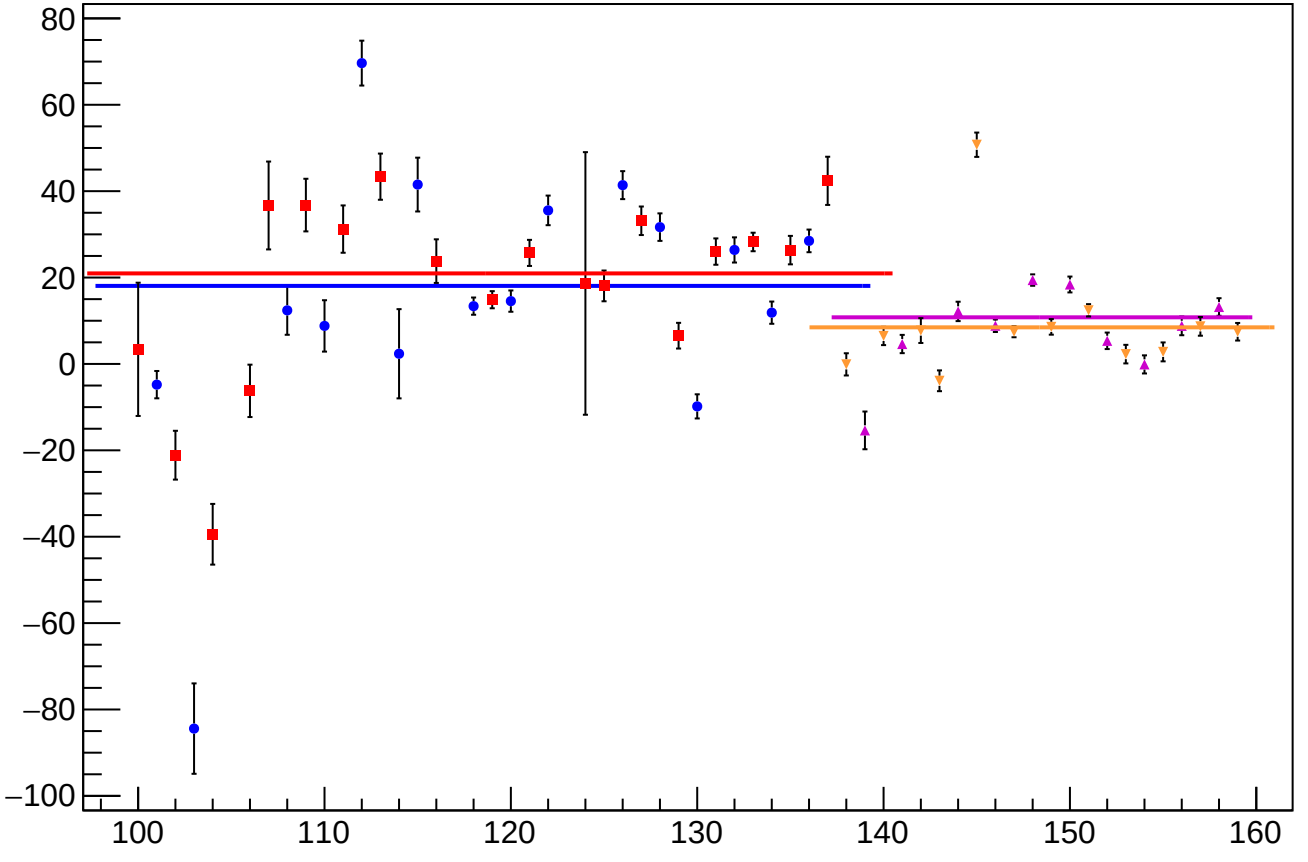
Left In: -38.878+/-0.894 χ^2/NDF:302.1/9

+ sign -31.208+/-0.600 χ^2/NDF: 2808.5/27

All: -34.805+/-0.432 χ^2/NDF: 5157.6/56

- sign -38.663+/-0.622 χ^2/NDF: 2274.7/28

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

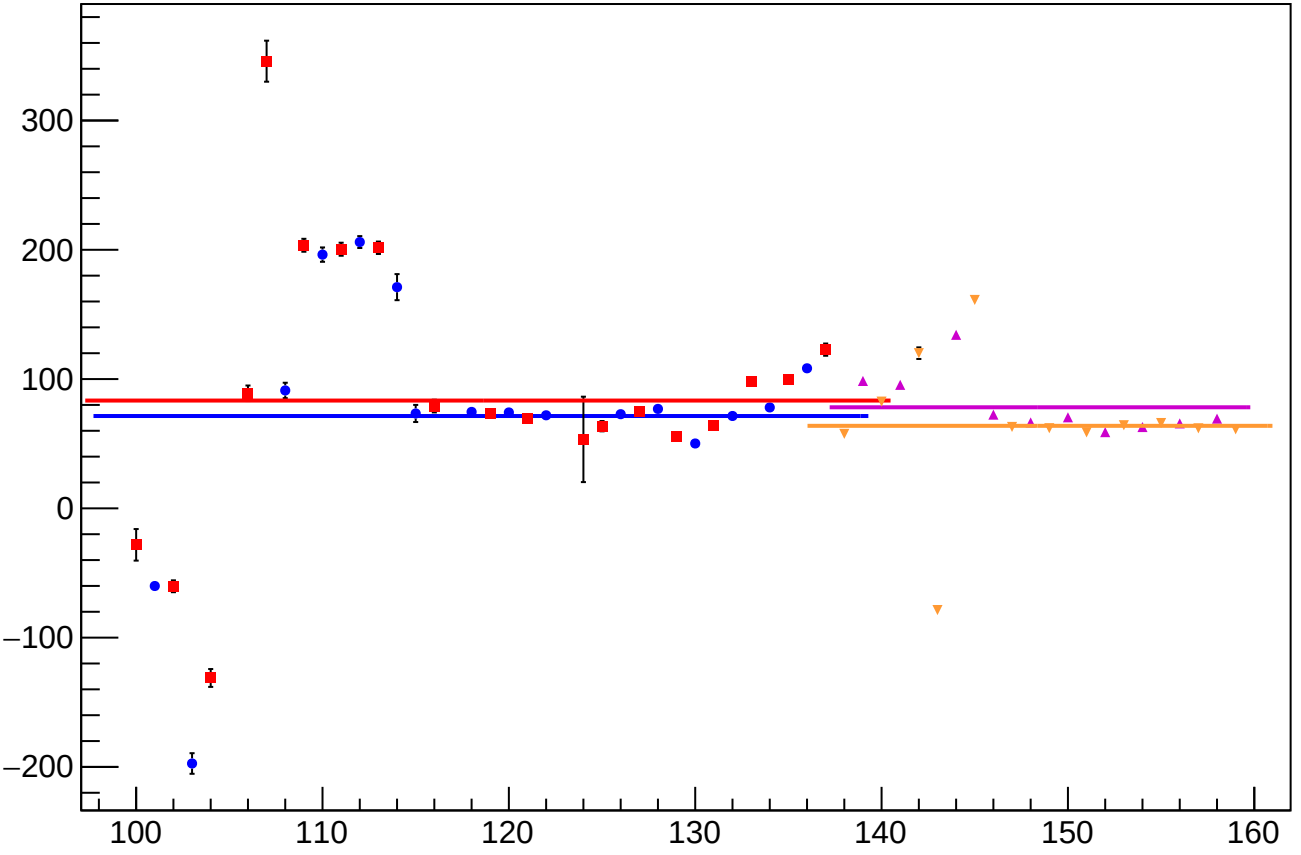
Left In: 10.793+/-0.600 χ^2/NDF:143.9/9

+ sign 11.591+/-0.469 χ^2/NDF: 878.8/27

All: 12.772+/-0.340 χ^2/NDF: 1391.4/56

- sign 14.081+/-0.494 χ^2/NDF: 499.2/28

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

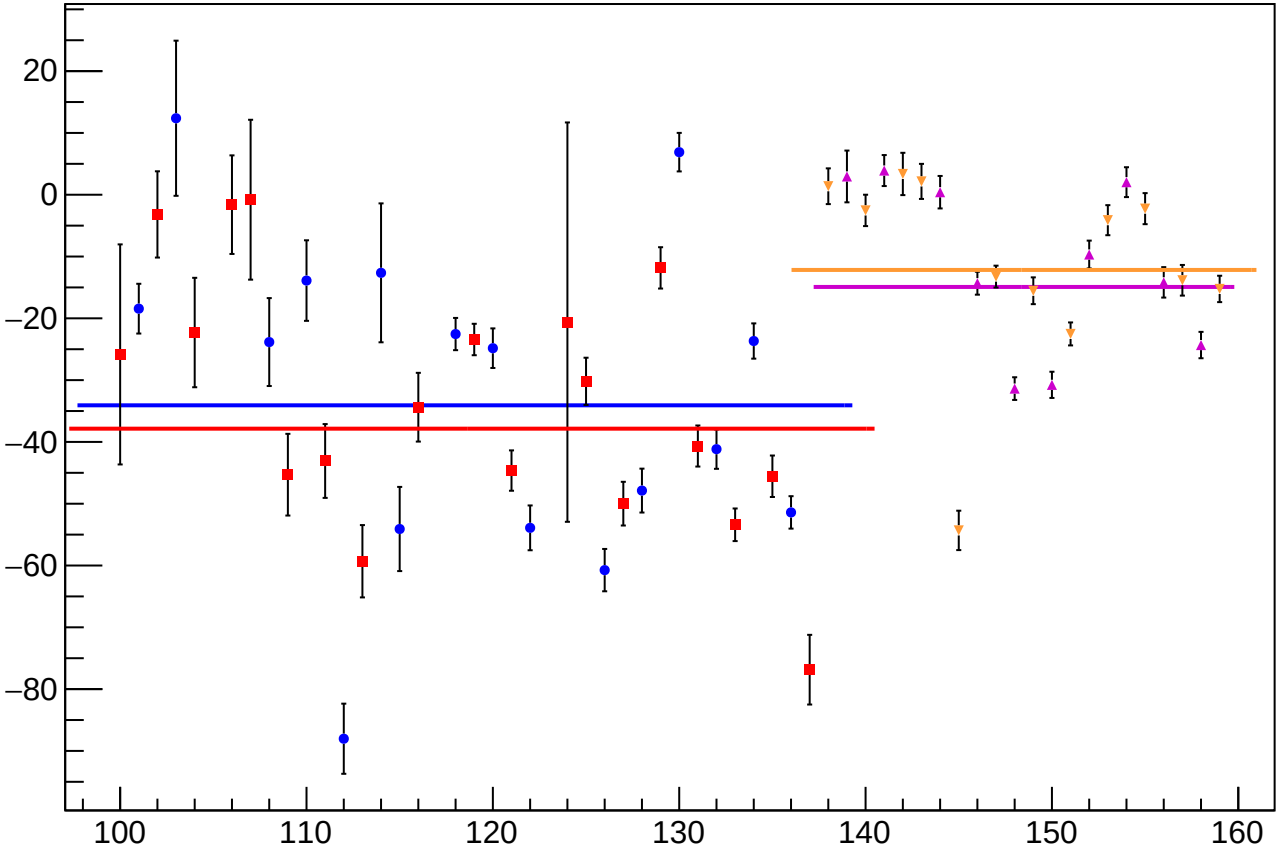
Left In: 78.177+/-0.863 χ^2/NDF:562.1/9

+ sign 67.188+/-0.619 χ^2/NDF: 7734.7/27

All: 73.498+/-0.448 χ^2/NDF: 12828.1/56

- sign 80.439+/-0.649 χ^2/NDF: 4875.2/28

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

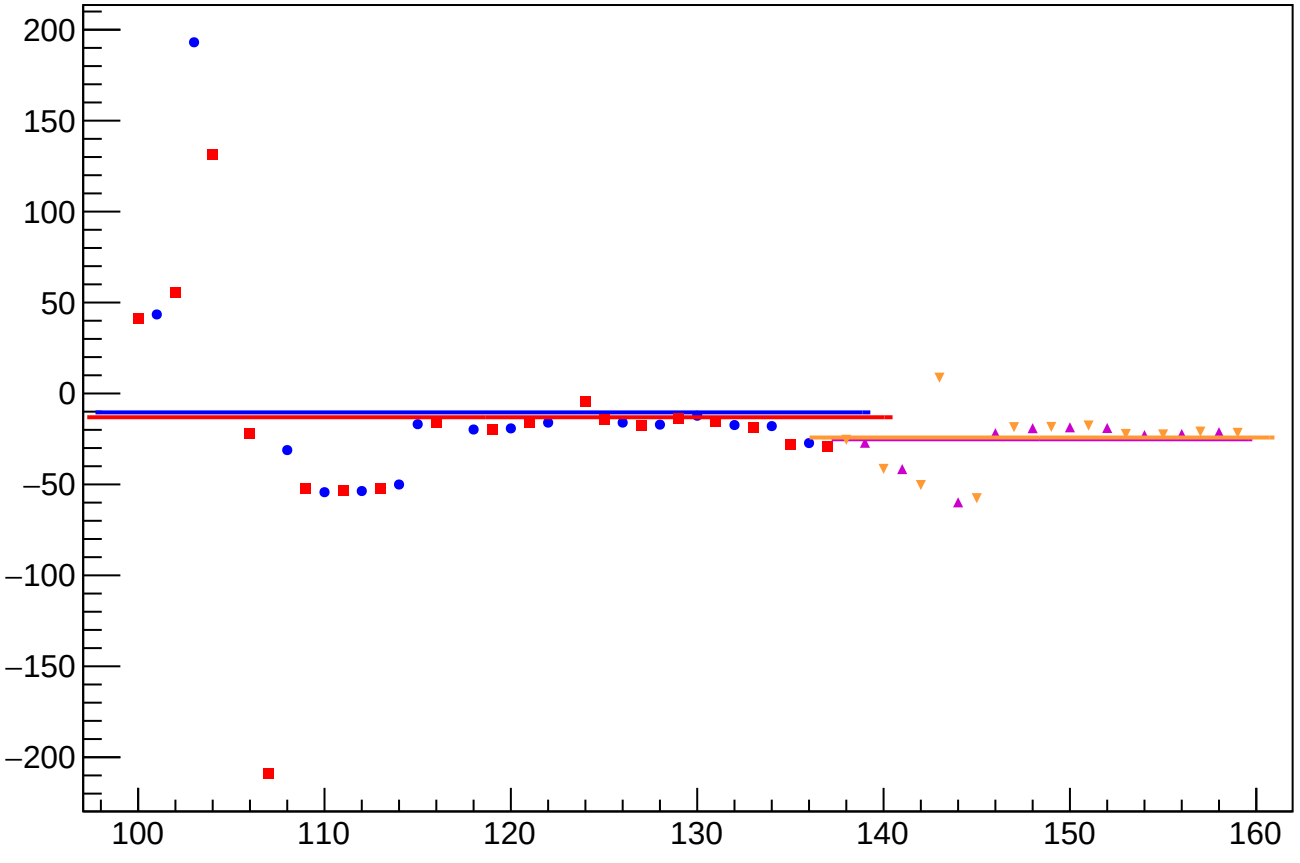
Left In: -14.921+/-0.721 χ^2/NDF:319.1/9

+ sign -19.784+/-0.555 χ^2/NDF: 1184.1/27

All: -21.232+/-0.402 χ^2/NDF: 2140.9/56

- sign -22.830+/-0.584 χ^2/NDF: 942.6/28

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

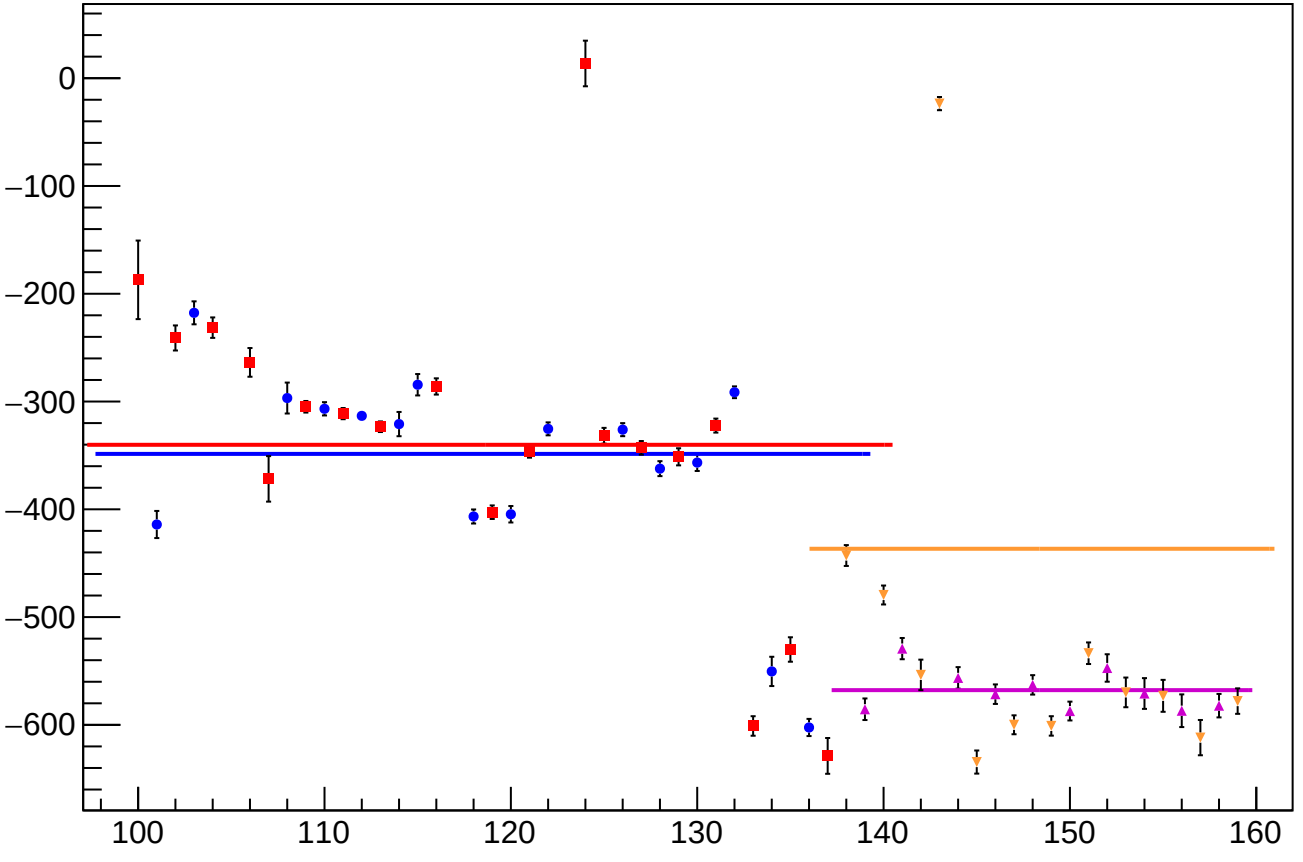
Left In: -25.179+/-0.032 χ^2/NDF:95752.7/9

+ sign -20.939+/-0.028 χ^2/NDF: 744213.4/27

All: -21.743+/-0.020 χ^2/NDF: 1320795.1/56

- sign -22.615+/-0.029 χ^2/NDF: 574819.7/28

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

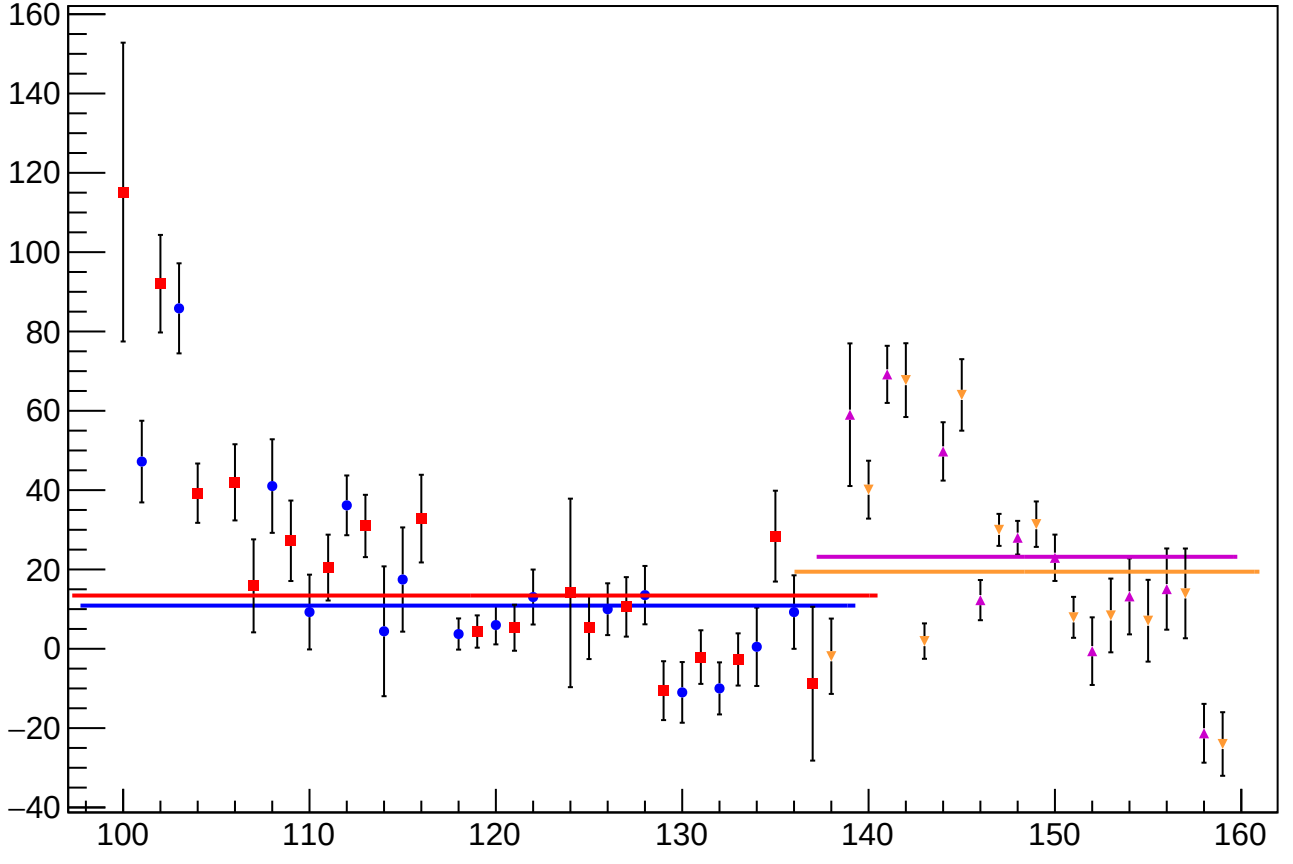
Left In: -567.776+/-3.301 χ^2/NDF:31.1/9

+ sign -373.705+/-1.542 χ^2/NDF: 8716.1/27

All: -382.054+/-1.094 χ^2/NDF: 14707.3/56

- sign -390.513+/-1.553 χ^2/NDF: 5932.2/28

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

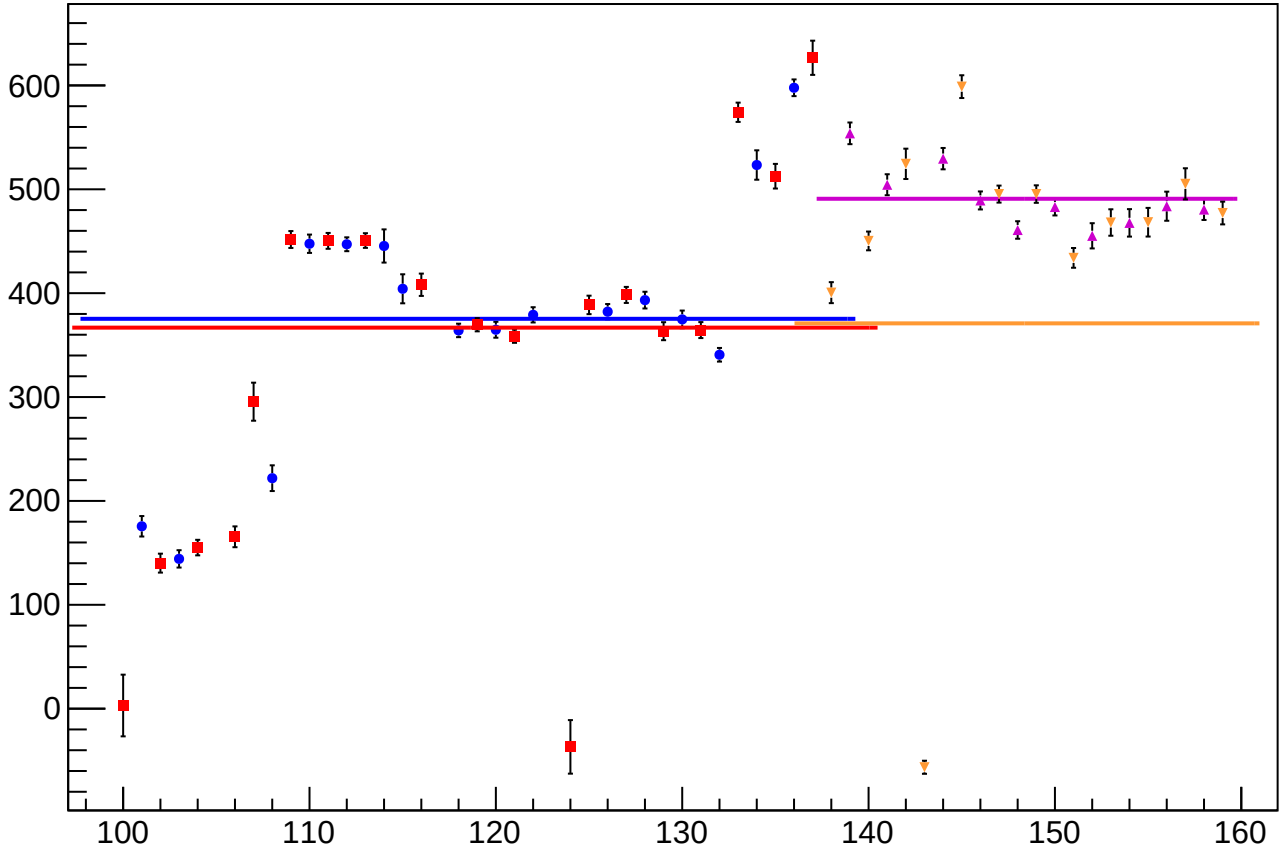
Left In: 23.194+/-2.147 χ^2/NDF:109.3/9

+ sign 15.036+/-1.322 χ^2/NDF: 237.1/27

All: 16.242+/-0.962 χ^2/NDF: 472.4/56

- sign 17.600+/-1.403 χ^2/NDF: 233.5/28

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

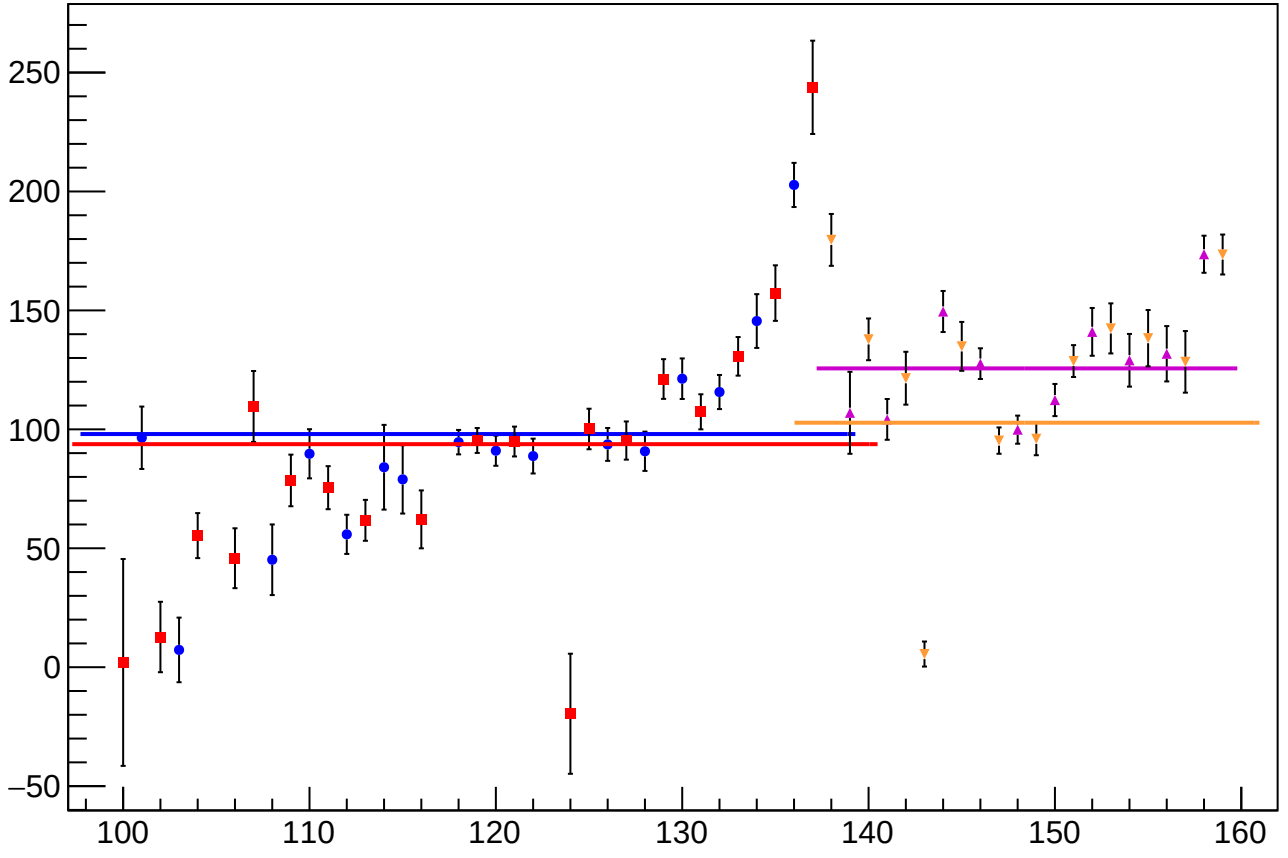
Left In: 490.882+/-3.188 χ^2/NDF:79.1/9

+ sign 373.763+/-1.689 χ^2/NDF: 8461.1/27

All: 388.125+/-1.206 χ^2/NDF: 13300.2/56

- sign 403.097+/-1.724 χ^2/NDF: 4691.3/28

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

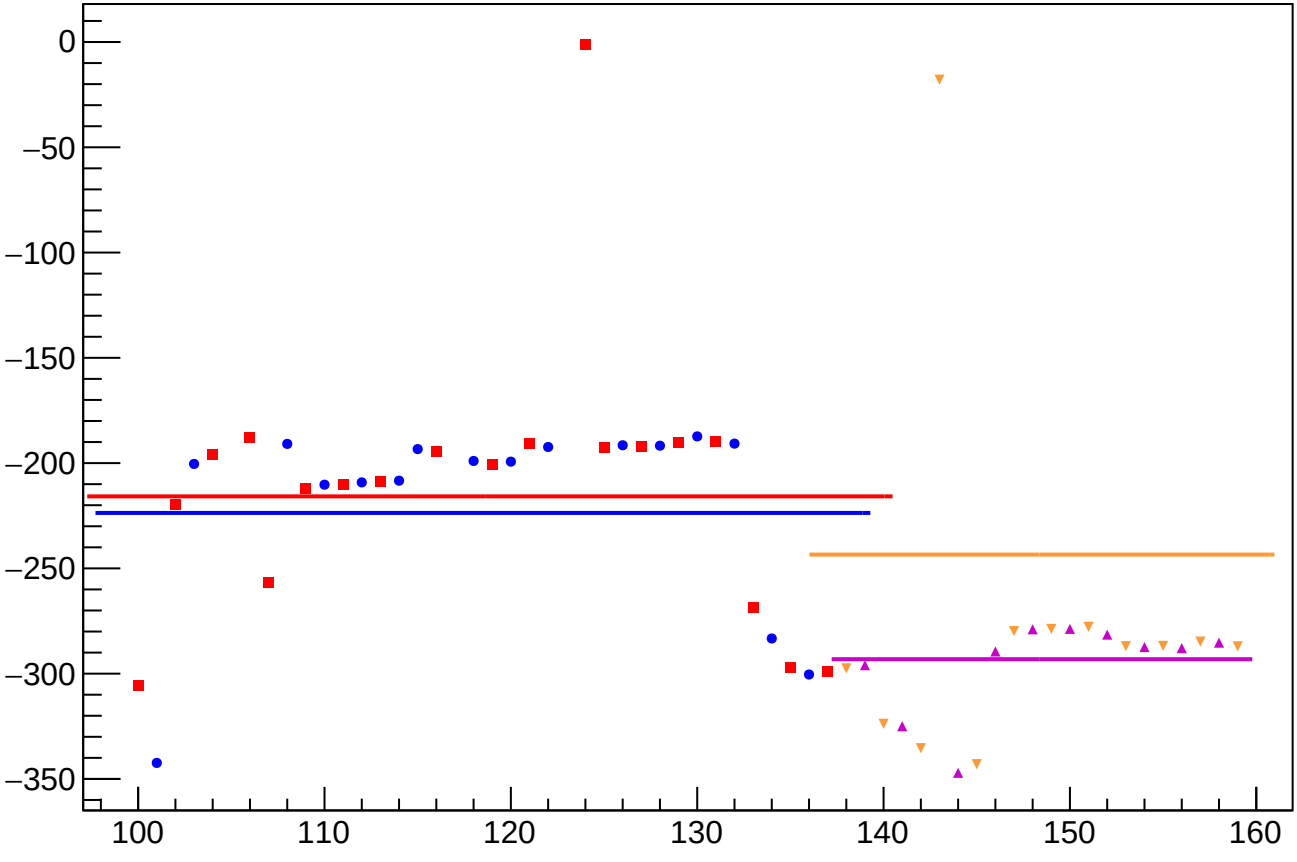
Left In: 125.622+/-2.610 χ^2/NDF:78.7/9

+ sign 100.226+/-1.572 χ^2/NDF: 787.1/27

All: 103.234+/-1.139 χ^2/NDF: 1199.8/56

- sign 106.566+/-1.654 χ^2/NDF: 404.9/28

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

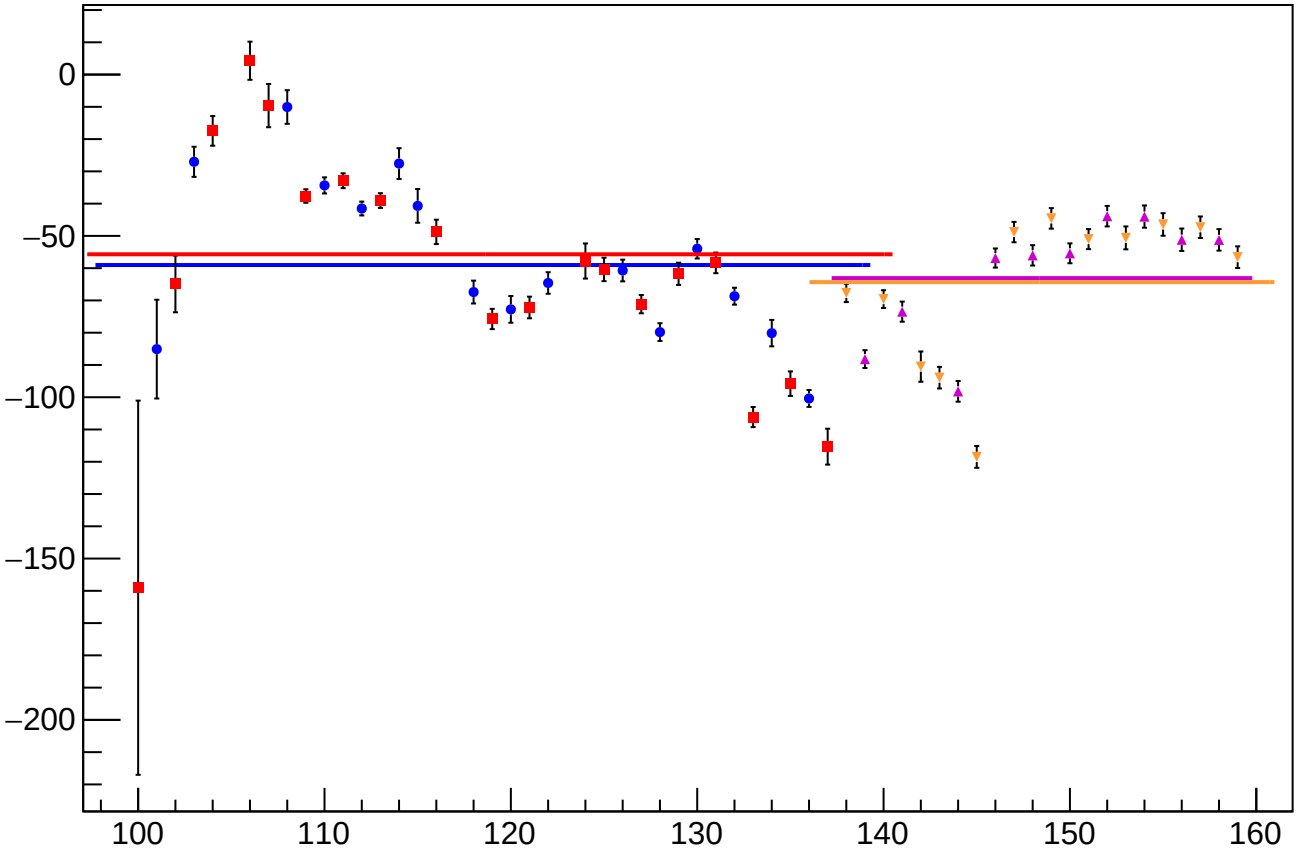
Left In: -293.127+/-0.123 χ^2/NDF:24919.4/9

+ sign -235.535+/-0.087 χ^2/NDF: 1079290.4/27

All: -246.281+/-0.063 χ^2/NDF: 1397319.8/56

- sign -257.841+/-0.091 χ^2/NDF: 286698.2/28

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

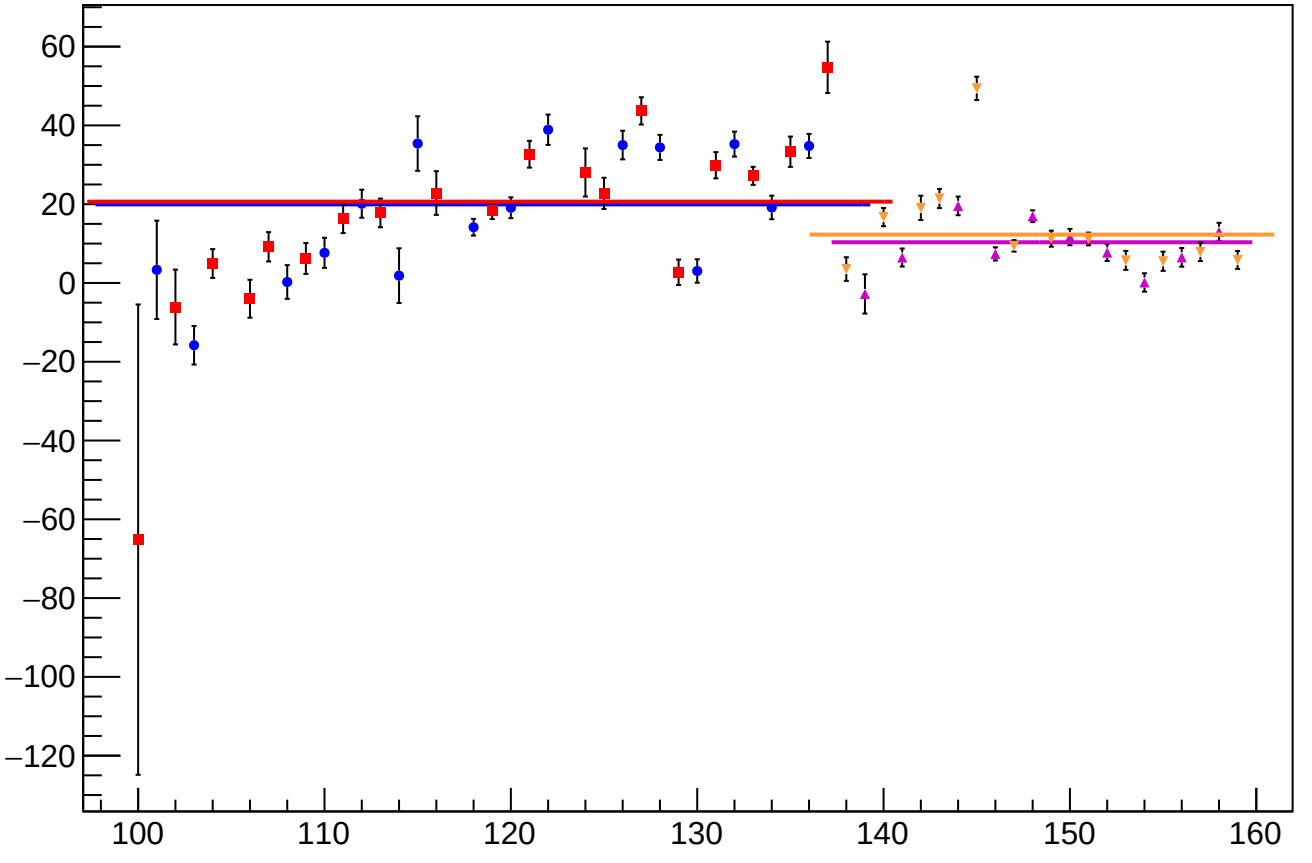
Left In: -63.084+/-0.997 χ^2/NDF:320.6/9

+ sign -61.330+/-0.623 χ^2/NDF: 1268.4/27

All: -59.930+/-0.439 χ^2/NDF: 2673.9/56

- sign -58.550+/-0.619 χ^2/NDF: 1395.5/28

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

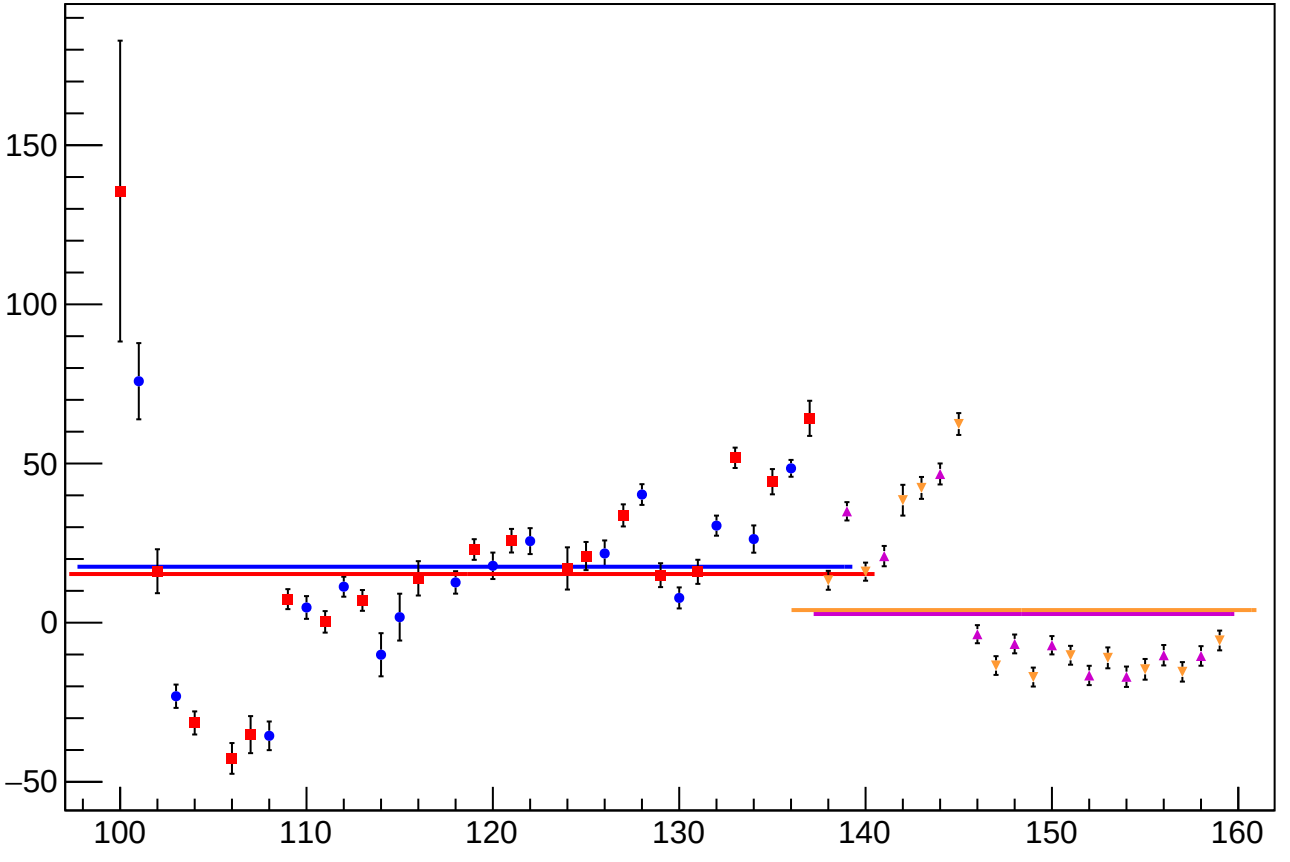
Left In: 10.330+/-0.671 χ^2/NDF:72.7/9

+ sign 14.947+/-0.511 χ^2/NDF: 517.2/27

All: 14.646+/-0.366 χ^2/NDF: 906.8/56

- sign 14.328+/-0.525 χ^2/NDF: 388.9/28

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

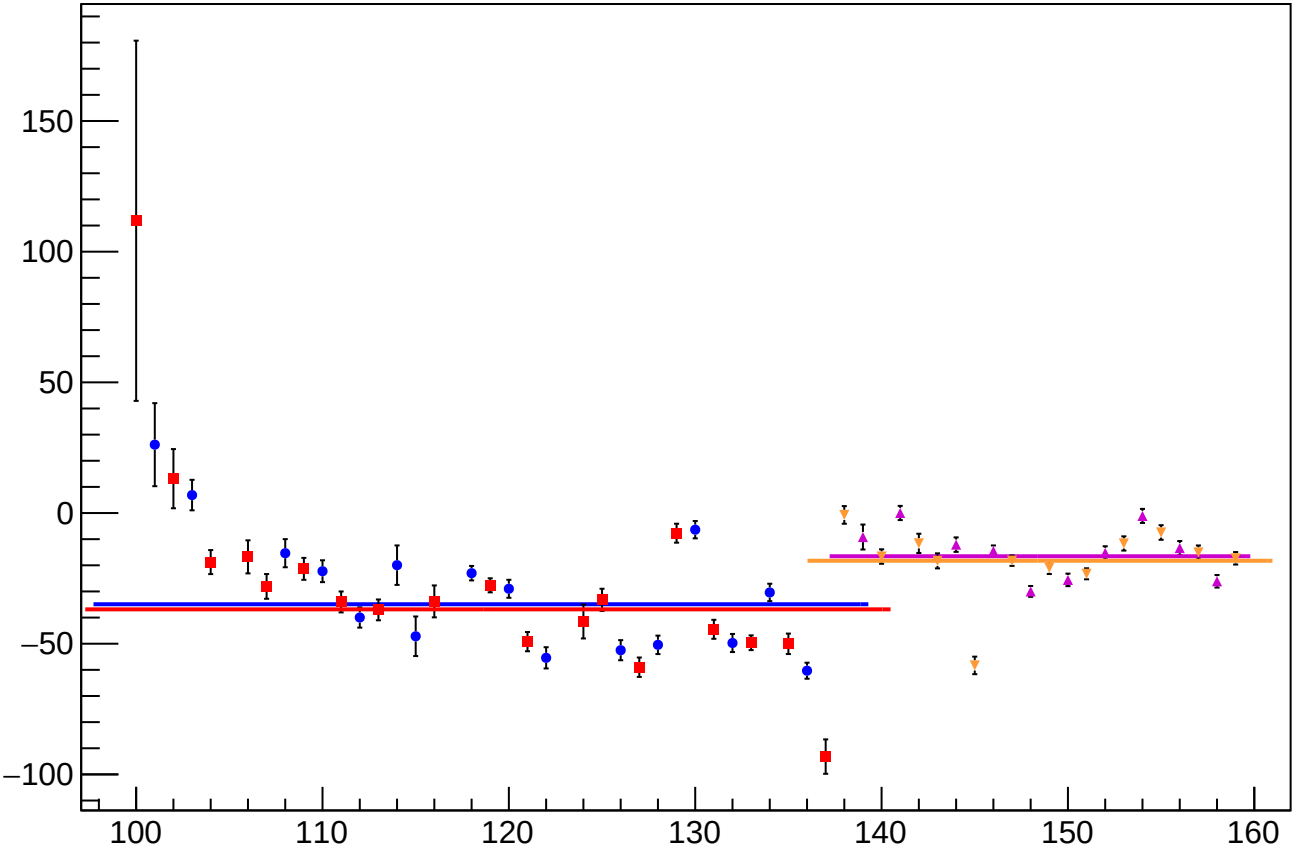
Left In: 2.723+/-0.963 χ^2/NDF:475.7/9

+ sign 10.479+/-0.662 χ^2/NDF: 1355.6/27

All: 9.844+/-0.471 χ^2/NDF: 2650.8/56

- sign 9.194+/-0.670 χ^2/NDF: 1293.4/28

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

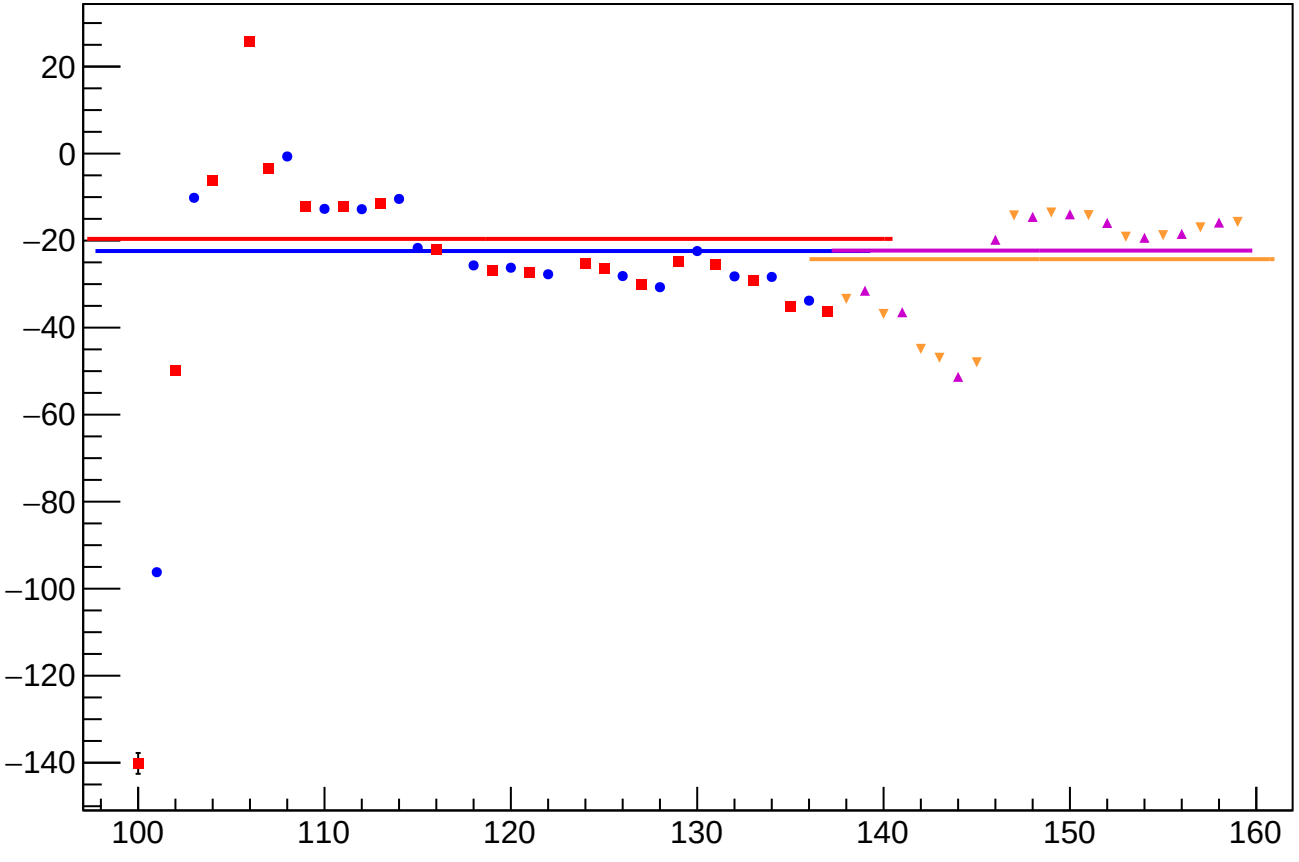
Left In: -16.539+/-0.805 χ^2/NDF:149.9/9

+ sign -24.444+/-0.604 χ^2/NDF: 726.4/27

All: -24.630+/-0.432 χ^2/NDF: 1437.9/56

- sign -24.826+/-0.619 χ^2/NDF: 711.3/28

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

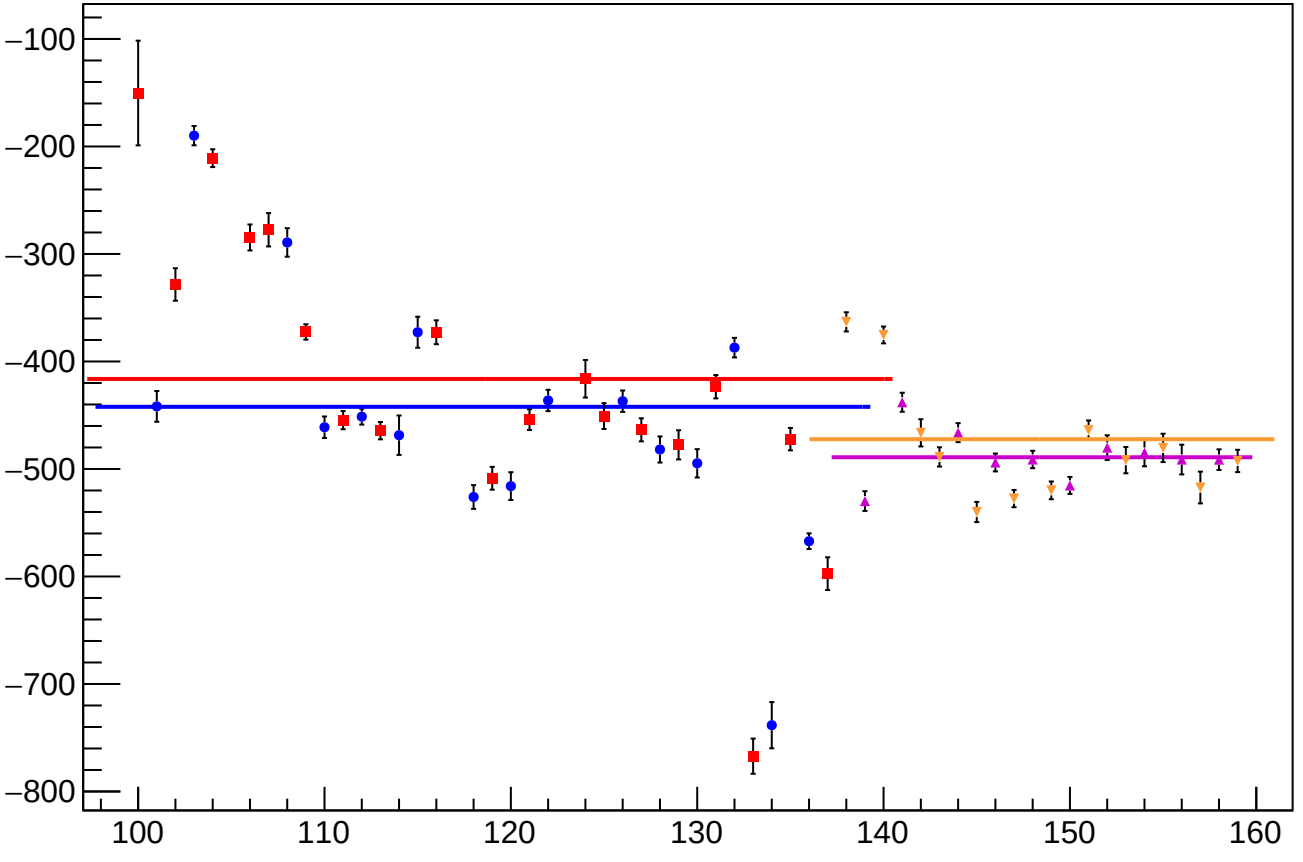
Left In: -22.291+/-0.036 χ^2/NDF:77425.0/9

+ sign -23.769+/-0.030 χ^2/NDF: 167426.4/27

All: -22.699+/-0.022 χ^2/NDF: 332822.4/56

- sign -21.564+/-0.031 χ^2/NDF: 162779.4/28

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

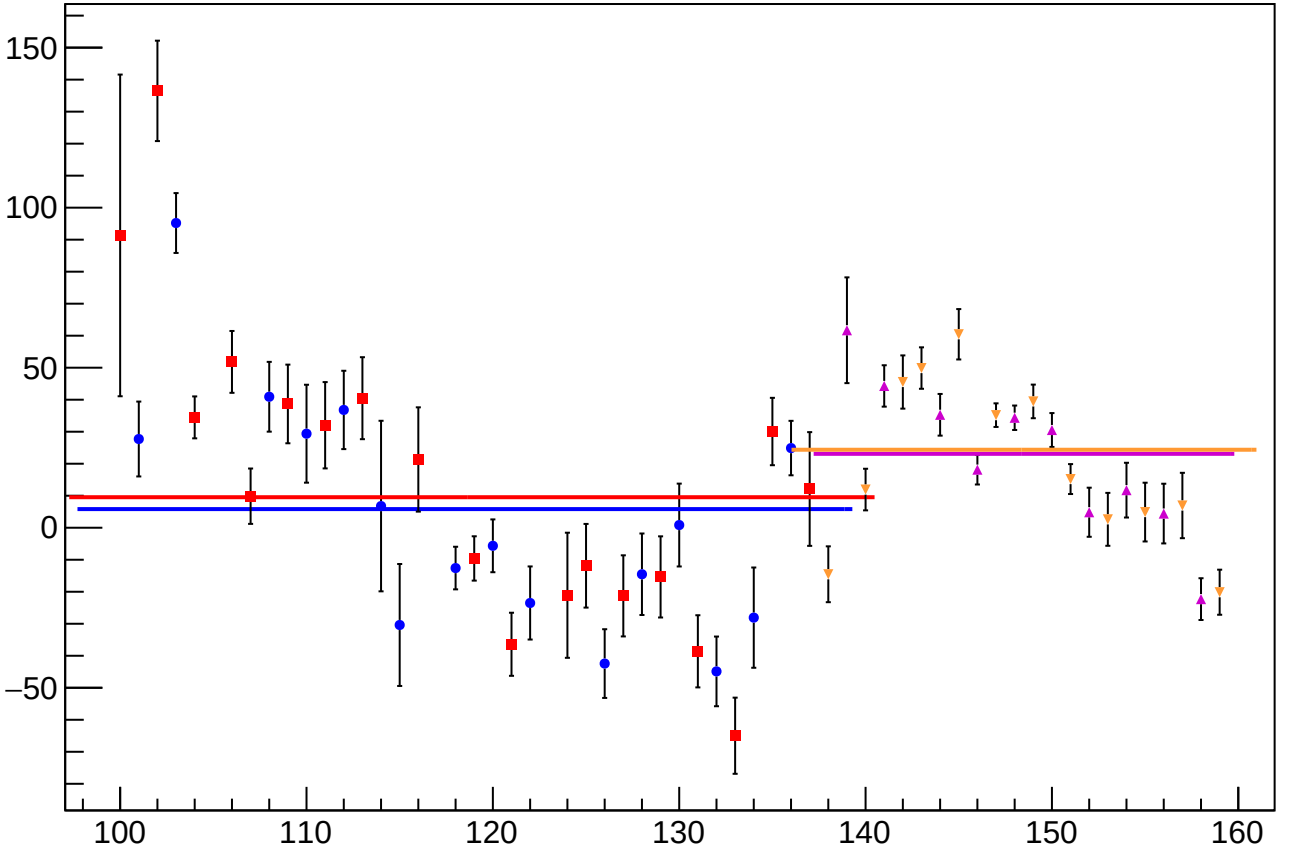
Left In: -489.091+/-2.974 χ^2/NDF:72.1/9

+ sign -456.586+/-1.937 χ^2/NDF: 2105.0/27

All: -451.626+/-1.365 χ^2/NDF: 4292.8/56

- sign -446.733+/-1.924 χ^2/NDF: 2174.8/28

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

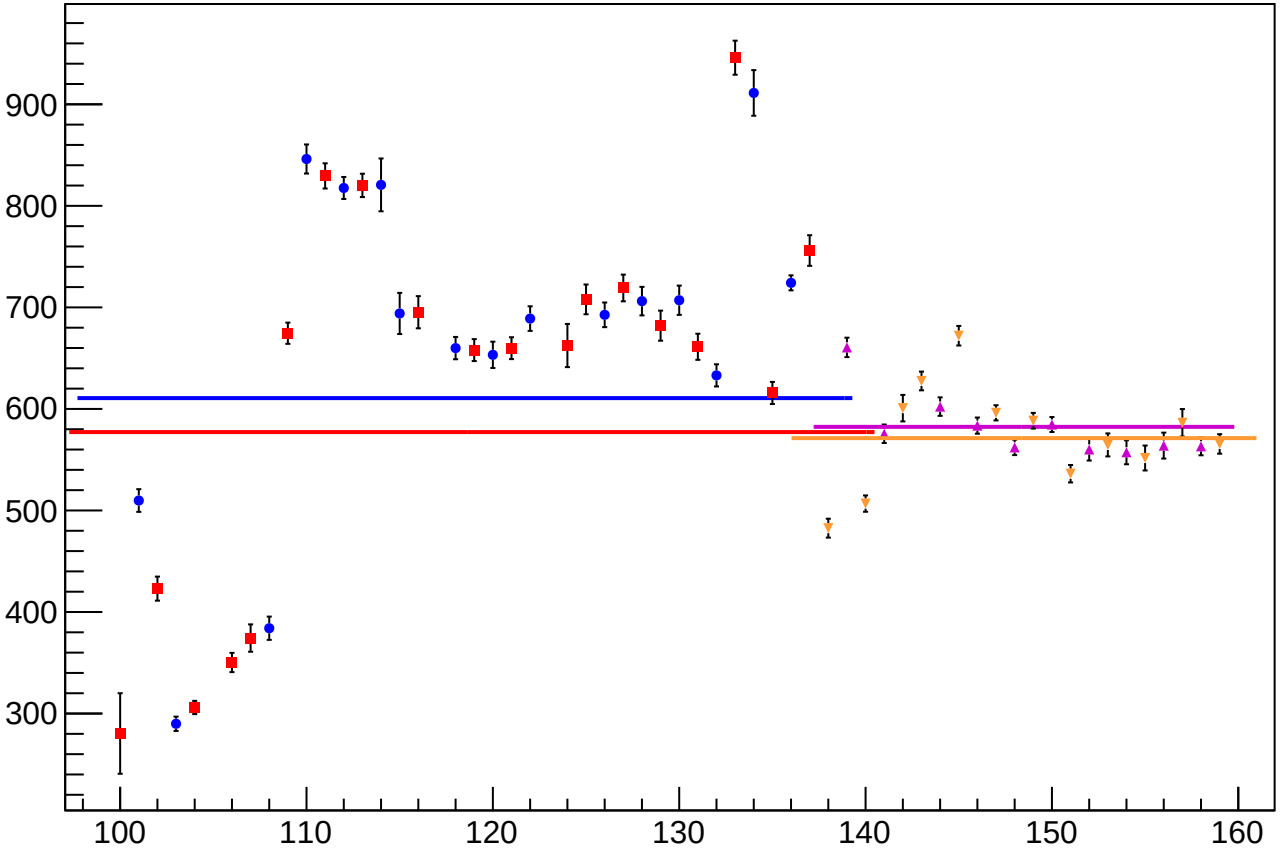
Left In: 23.091+/-1.933 χ^2/NDF:91.4/9

+ sign 18.671+/-1.512 χ^2/NDF: 361.7/27

All: 18.420+/-1.080 χ^2/NDF: 693.1/56

- sign 18.159+/-1.542 χ^2/NDF: 331.4/28

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

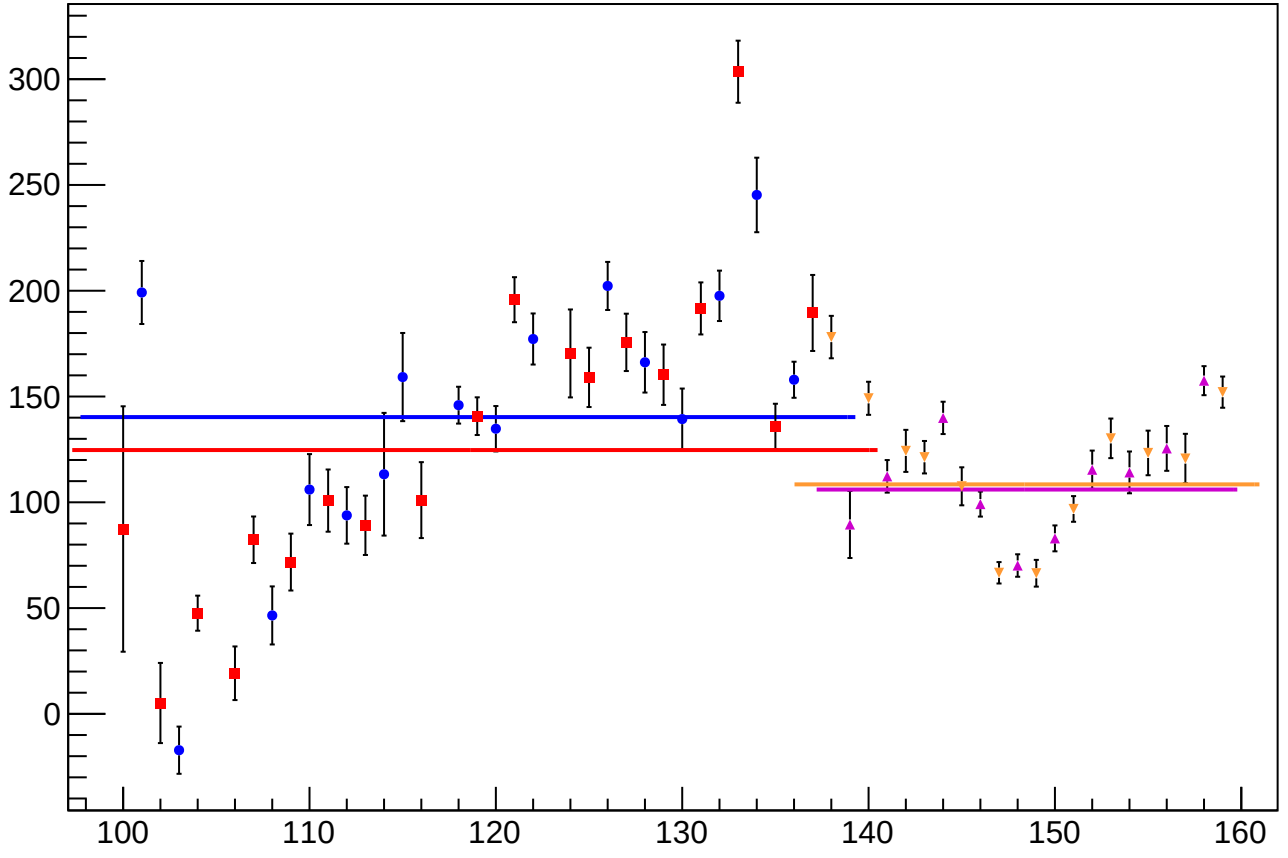
Left In: 582.346+/-2.873 χ^2/NDF:95.0/9

+ sign 589.813+/-1.985 χ^2/NDF: 4334.8/27

All: 584.749+/-1.405 χ^2/NDF: 9244.8/56

- sign 579.668+/-1.988 χ^2/NDF: 4897.0/28

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

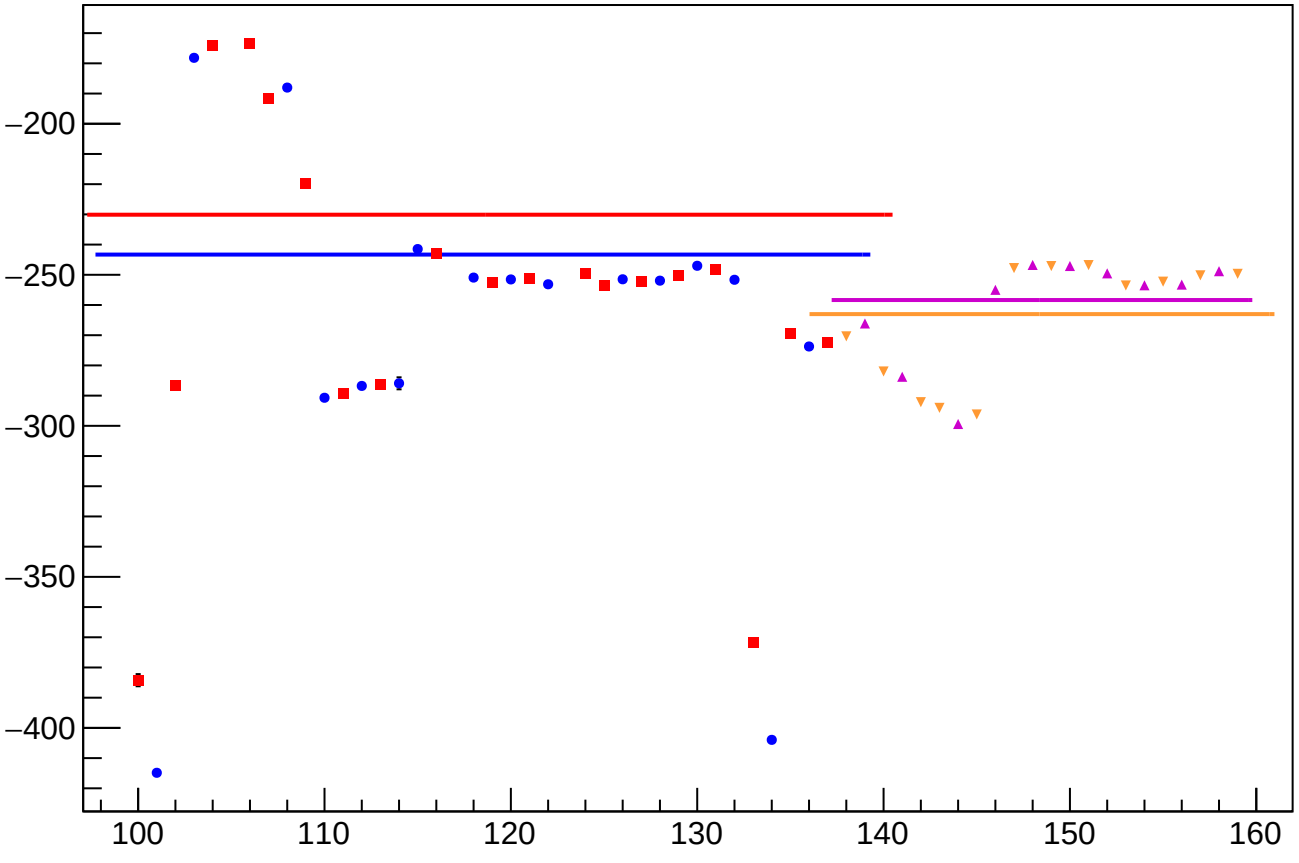
Left In: 106.027+/-2.348 χ^2/NDF:144.0/9

+ sign 119.015+/-1.814 χ^2/NDF: 693.5/27

All: 116.147+/-1.293 χ^2/NDF: 1375.4/56

- sign 113.184+/-1.844 χ^2/NDF: 676.8/28

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

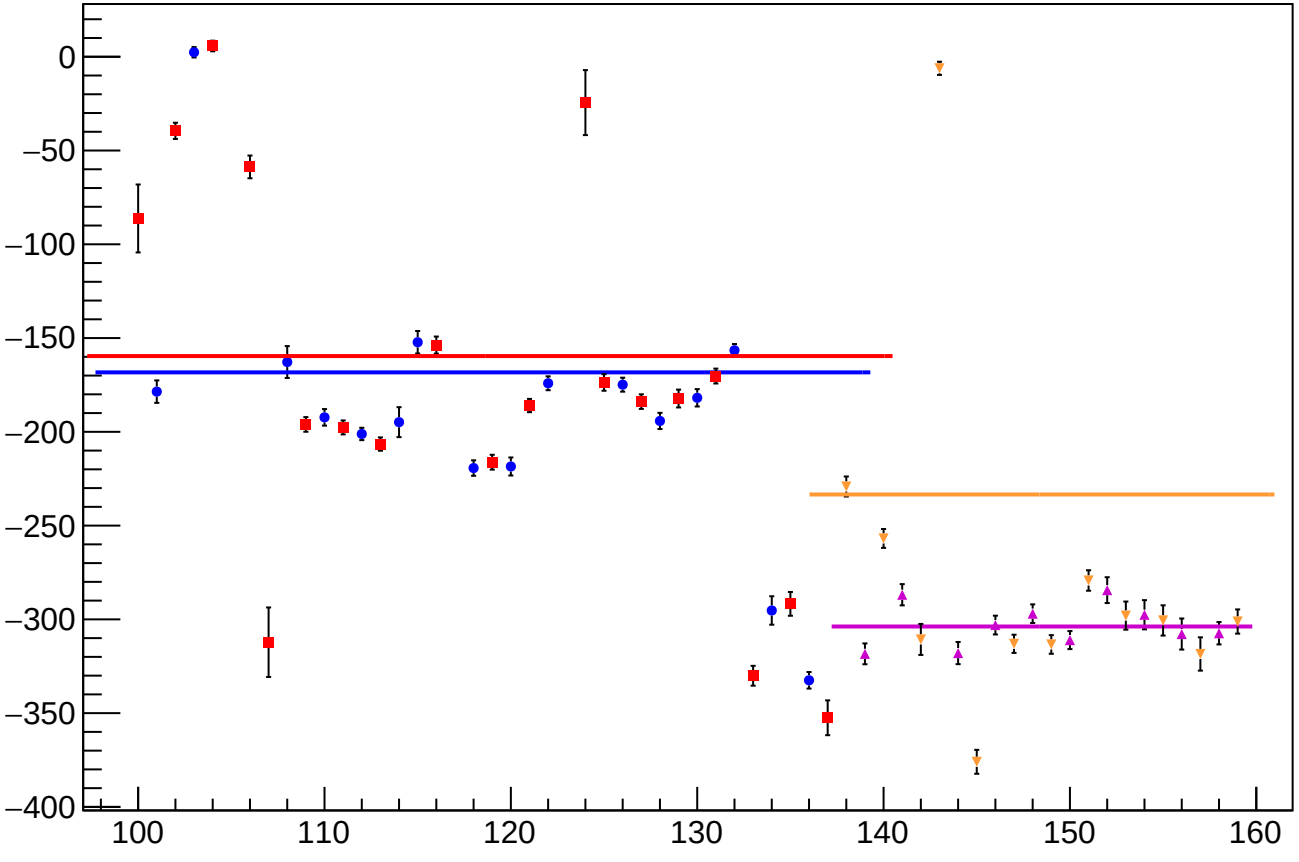
Left In: -258.355+/-0.111 χ^2/NDF:20051.6/9

+ sign -256.971+/-0.090 χ^2/NDF: 214367.5/27

All: -253.008+/-0.064 χ^2/NDF: 362311.1/56

- sign -248.991+/-0.091 χ^2/NDF: 144039.7/28

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

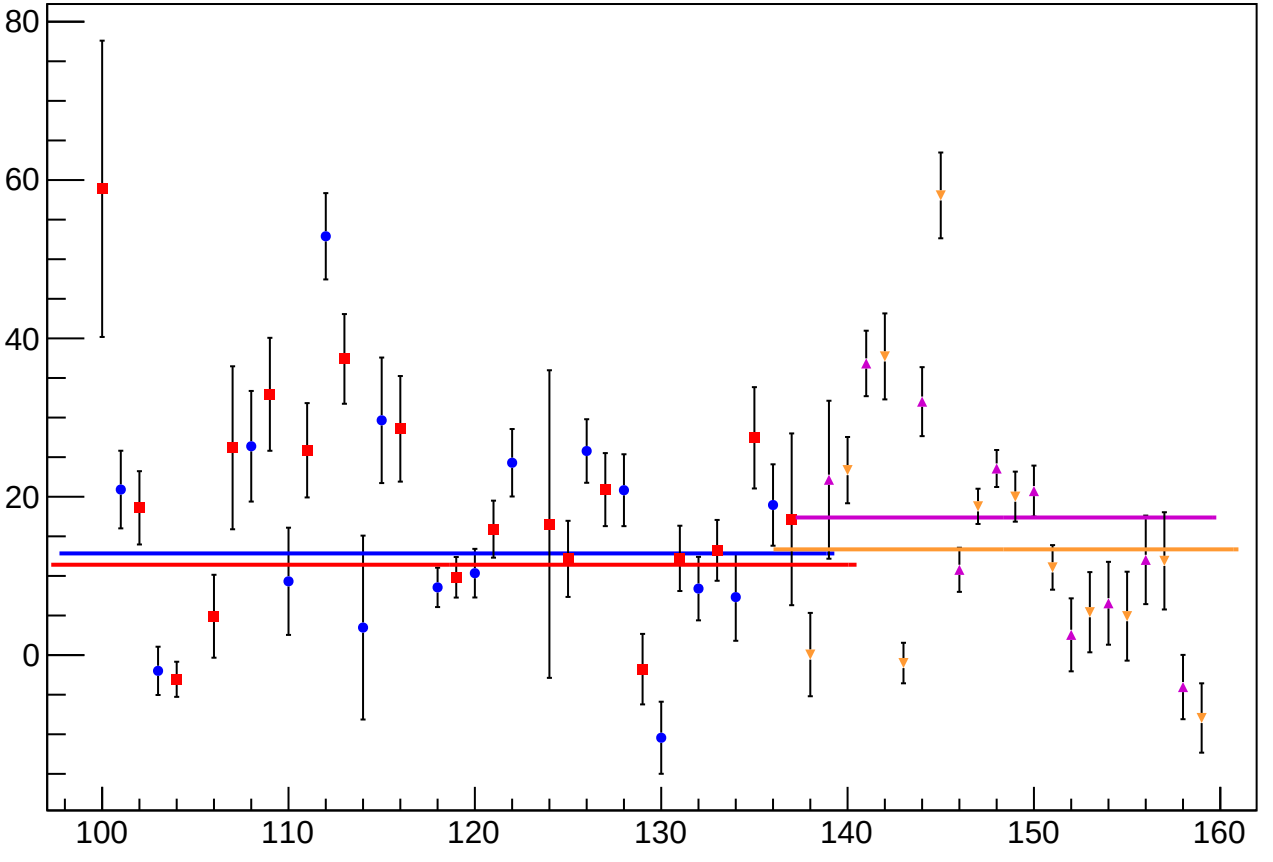
Left In: -303.801+/-1.837 χ^2/NDF:34.9/9

+ sign -188.221+/-0.896 χ^2/NDF: 12774.4/27

All: -191.431+/-0.637 χ^2/NDF: 24693.6/56

- sign -194.715+/-0.907 χ^2/NDF: 11893.3/28

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

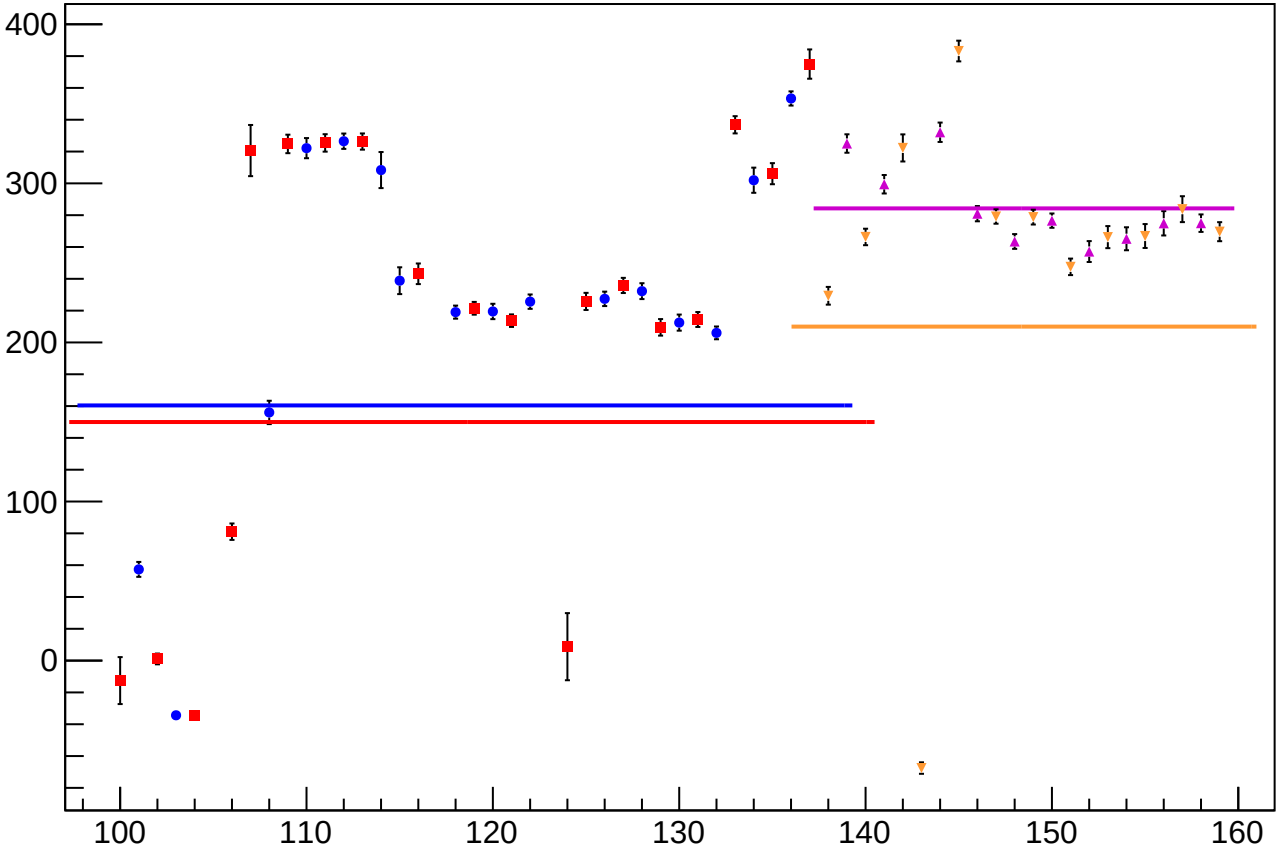
Left In: 17.379+/-1.190 χ^2/NDF:90.7/9

+ sign 13.102+/-0.755 χ^2/NDF: 315.1/27

All: 13.528+/-0.543 χ^2/NDF: 540.3/56

- sign 13.984+/-0.781 χ^2/NDF: 224.6/28

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

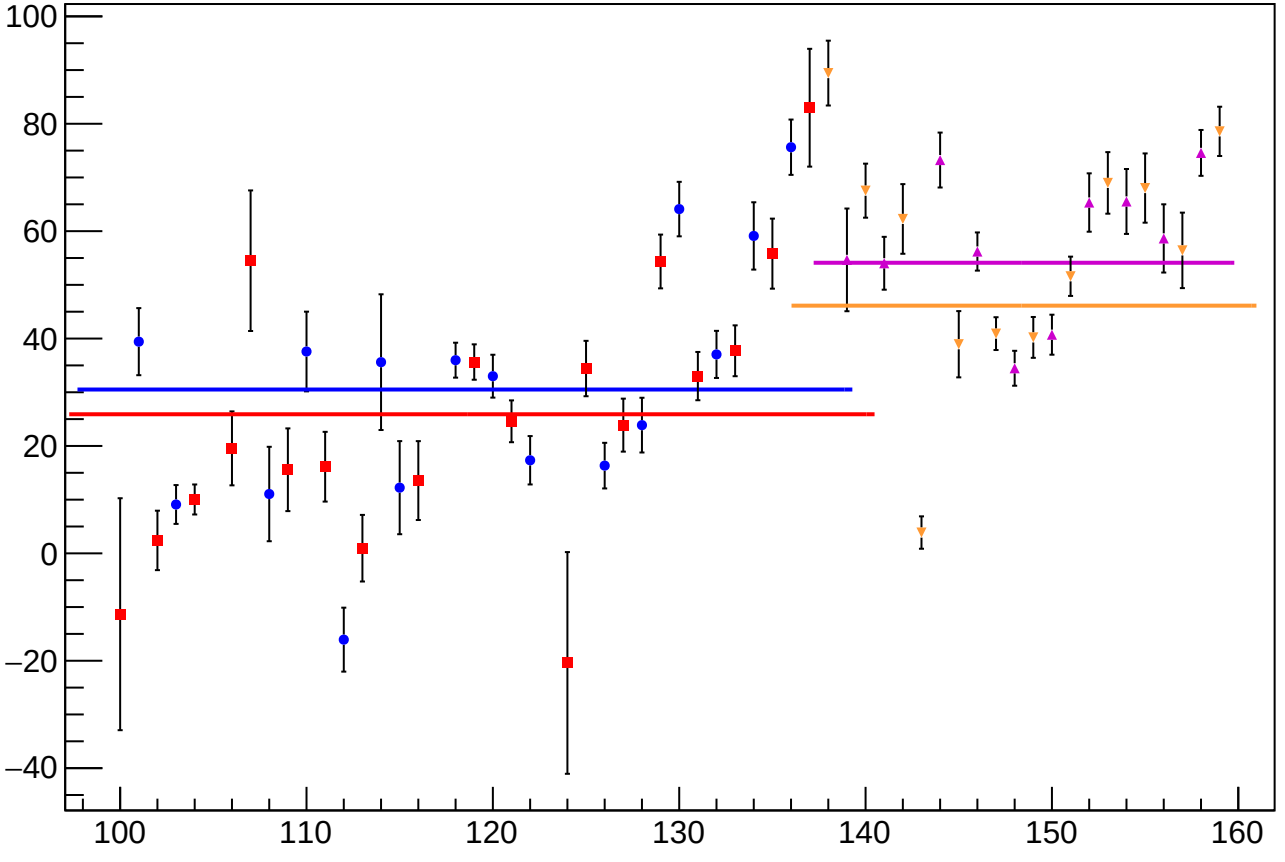
Left In: 284.265+/-1.772 χ^2/NDF:170.0/9

\+ sign 177.266+/-0.925 χ^2/NDF: 22327.3/27

All: 182.393+/-0.659 χ^2/NDF: 42957.4/56

\- sign 187.670+/-0.939 χ^2/NDF: 20567.8/28

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

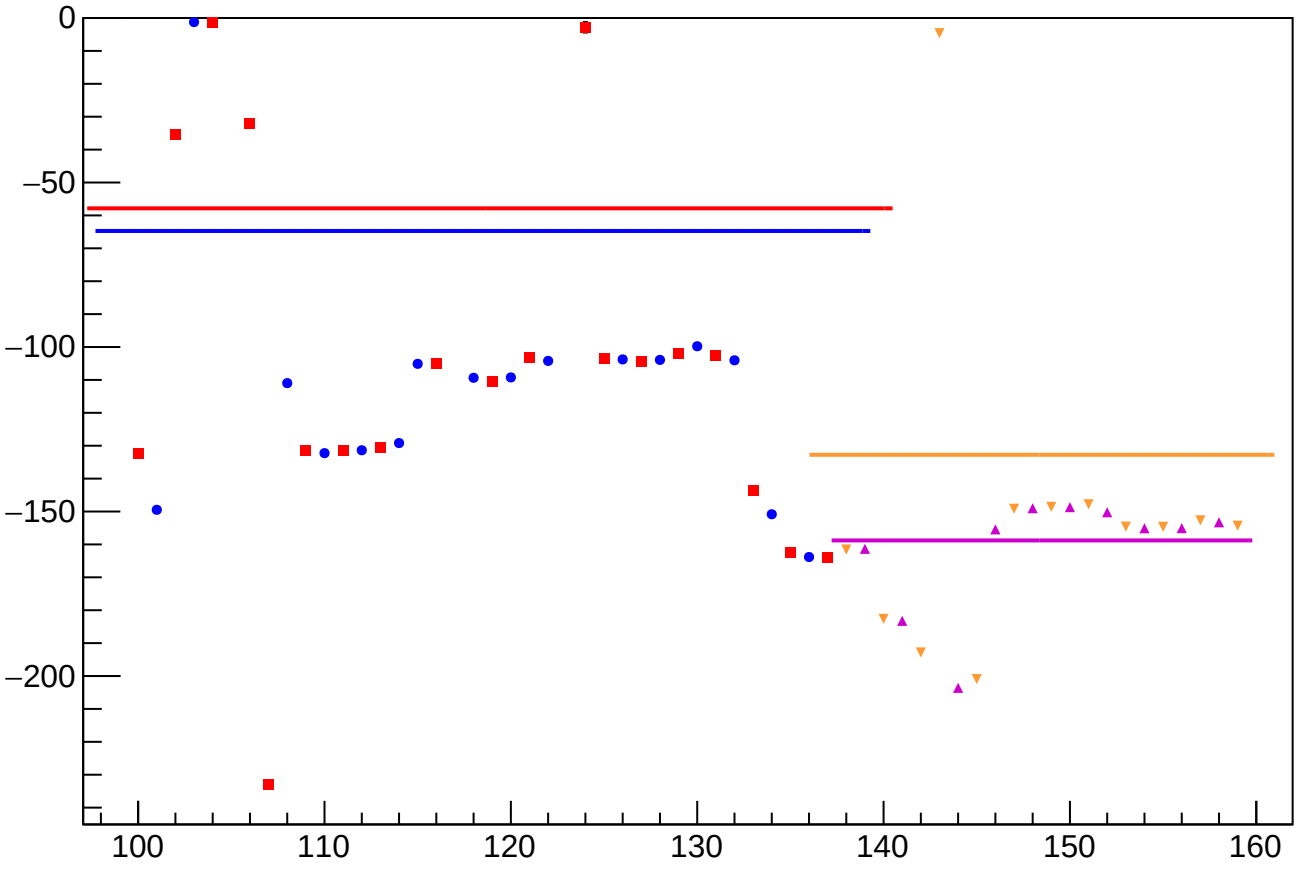
Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 54.115+/-1.448 χ^2/NDF:95.1/9

+ sign 38.096+/-0.900 χ^2/NDF: 712.7/27

All: 37.827+/-0.647 χ^2/NDF: 1218.9/56

- sign 37.540+/-0.930 χ^2/NDF: 506.0/28



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

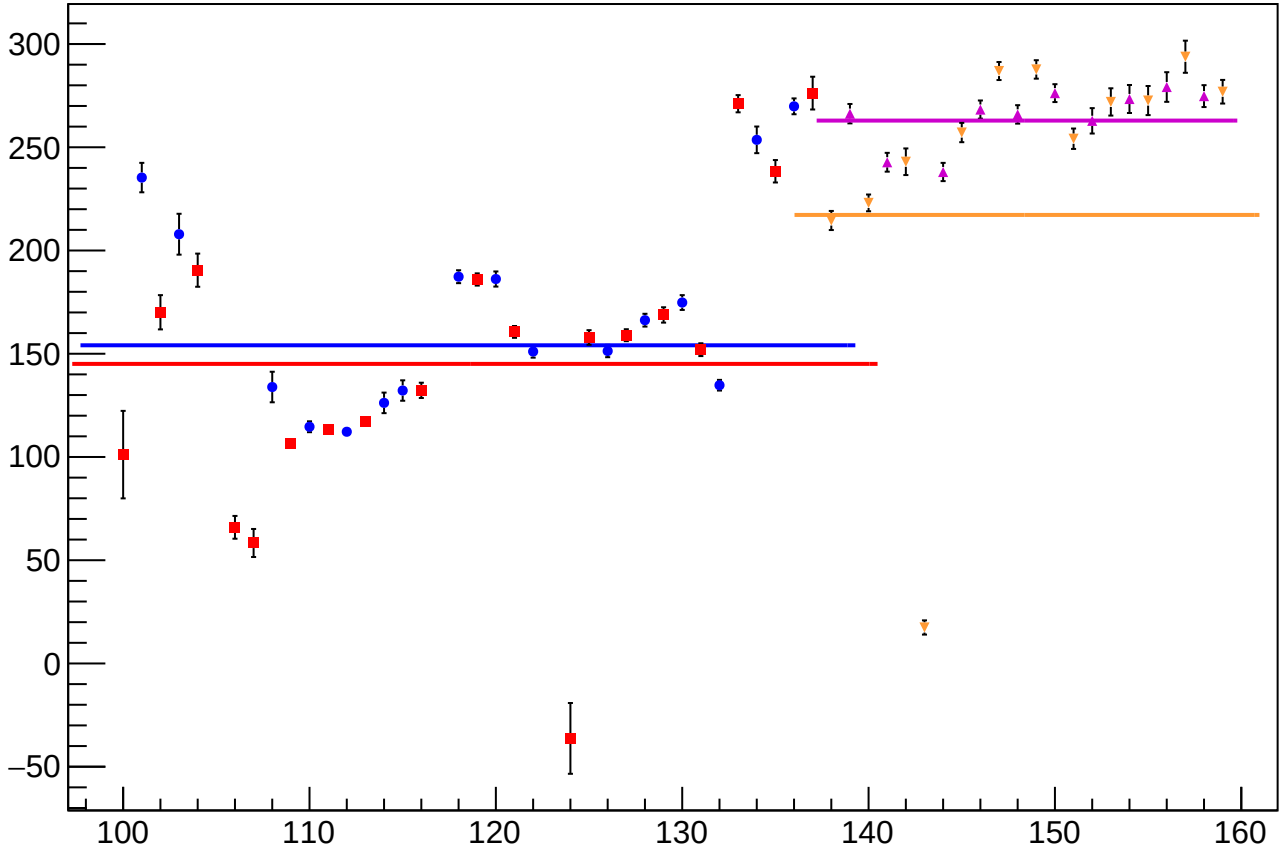
Left In: -158.789+/-0.068 χ^2/NDF:46267.5/9

+ sign -99.147+/-0.045 χ^2/NDF: 2564933.5/27

All: -101.358+/-0.032 χ^2/NDF: 4689401.7/56

- sign -103.678+/-0.046 χ^2/NDF: 2119485.5/28

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

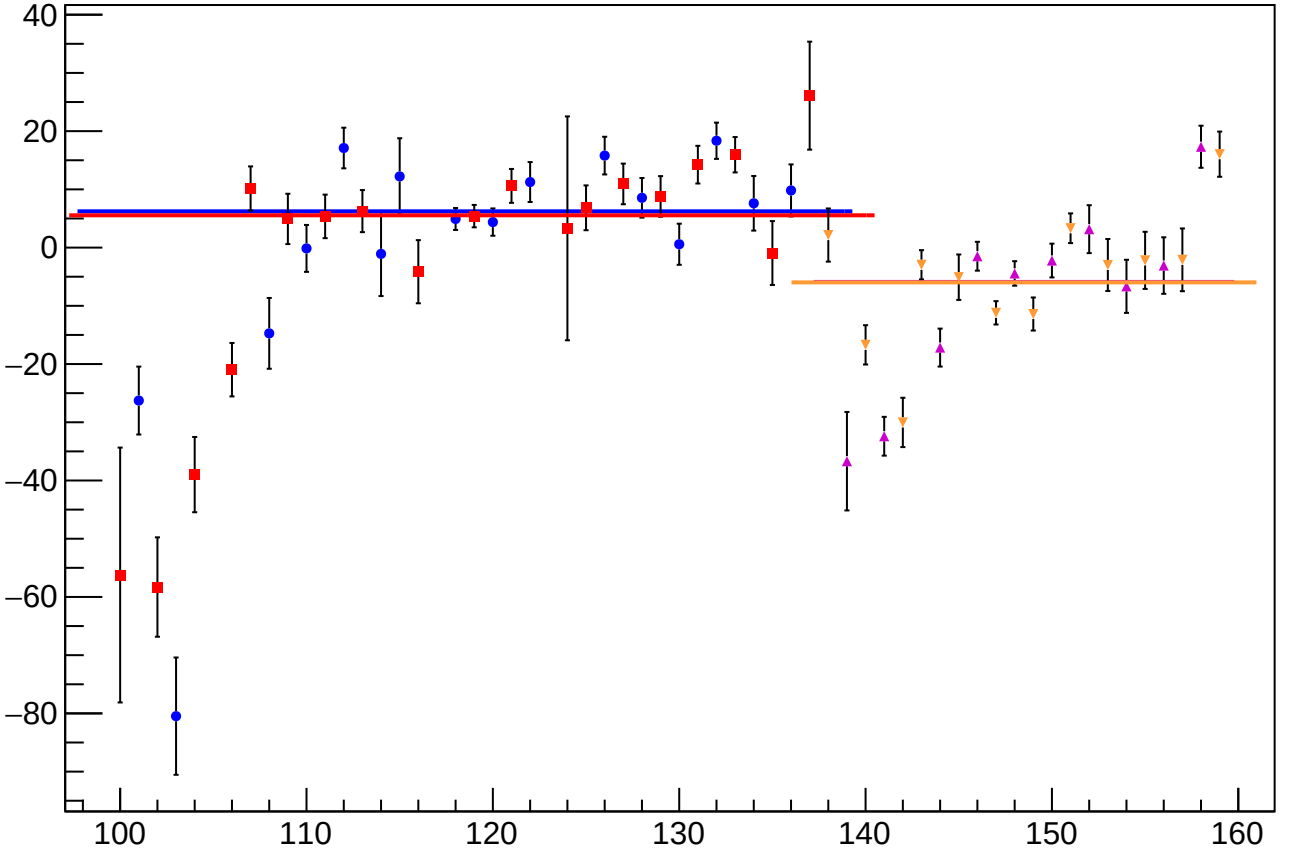
Left In: 262.922+/-1.575 χ^2/NDF:75.8/9

+ sign 171.284+/-0.741 χ^2/NDF: 8068.7/27

All: 170.890+/-0.521 χ^2/NDF: 15494.1/56

- sign 170.507+/-0.732 χ^2/NDF: 7424.9/28

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

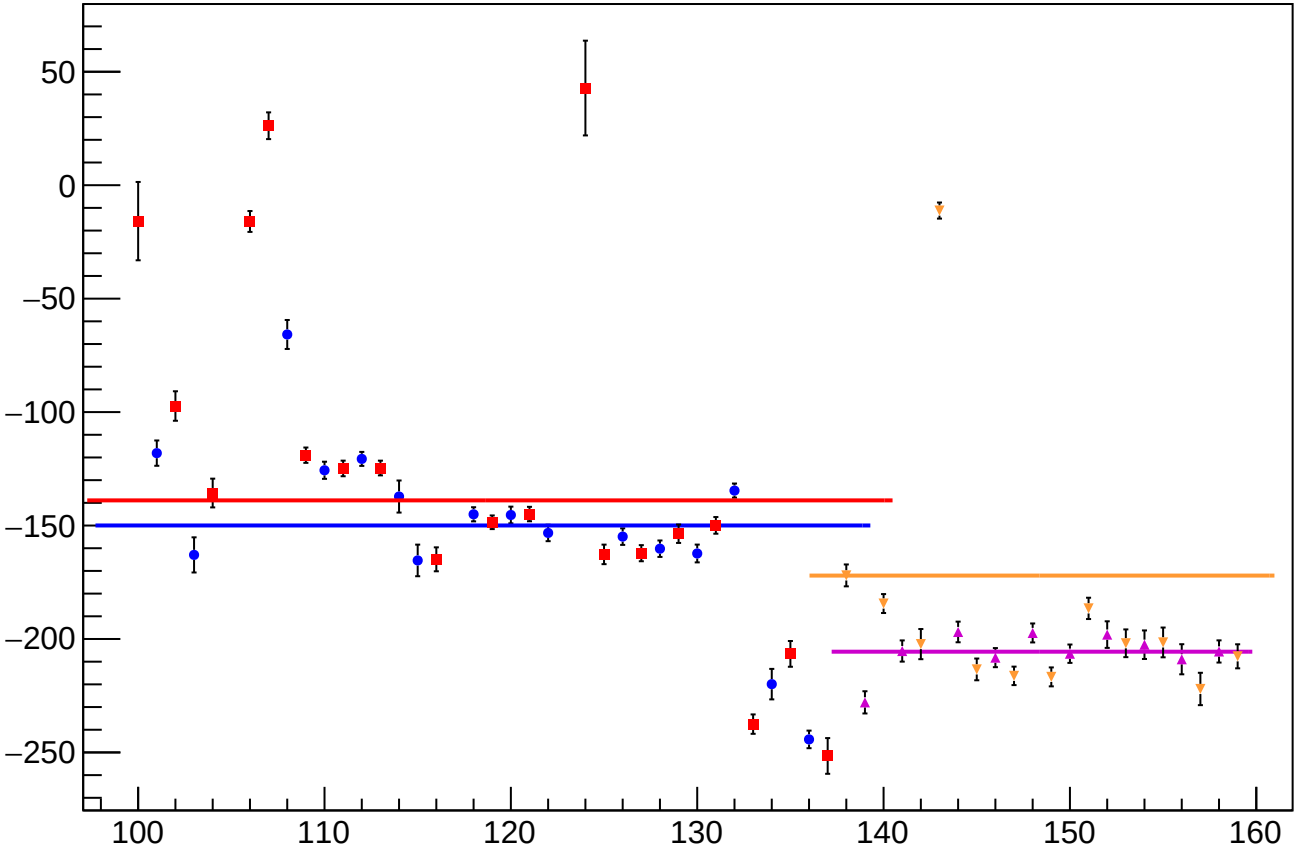
Left In: -5.896+/-1.036 χ^2/NDF:140.3/9

+ sign 0.452+/-0.646 χ^2/NDF: 355.6/27

All: 0.566+/-0.467 χ^2/NDF: 747.3/56

- sign 0.691+/-0.675 χ^2/NDF: 391.7/28

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

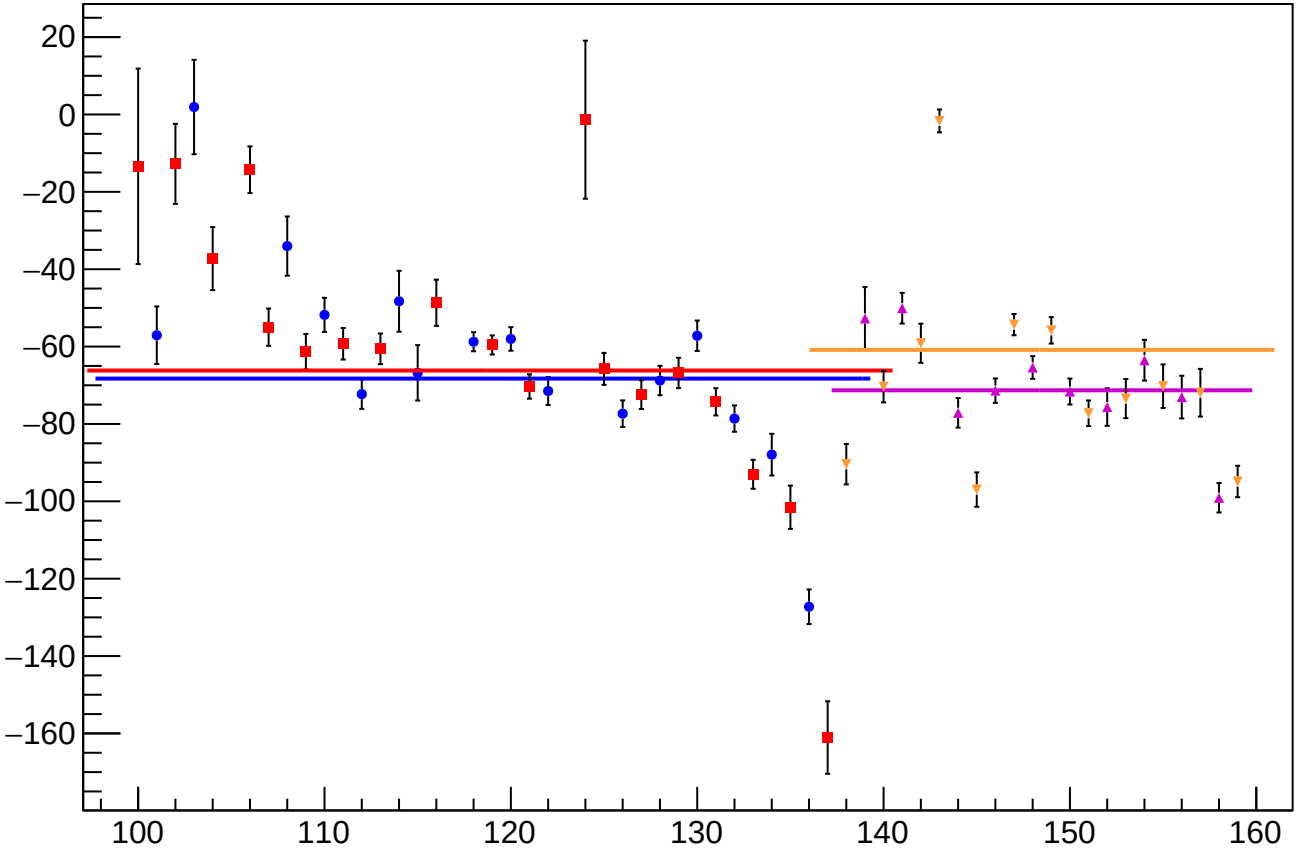
Left In: -205.602+/-1.526 χ^2/NDF:30.9/9

+ sign -157.727+/-0.826 χ^2/NDF: 3807.5/27

All: -158.245+/-0.586 χ^2/NDF: 7932.1/56

- sign -158.771+/-0.832 χ^2/NDF: 4123.8/28

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

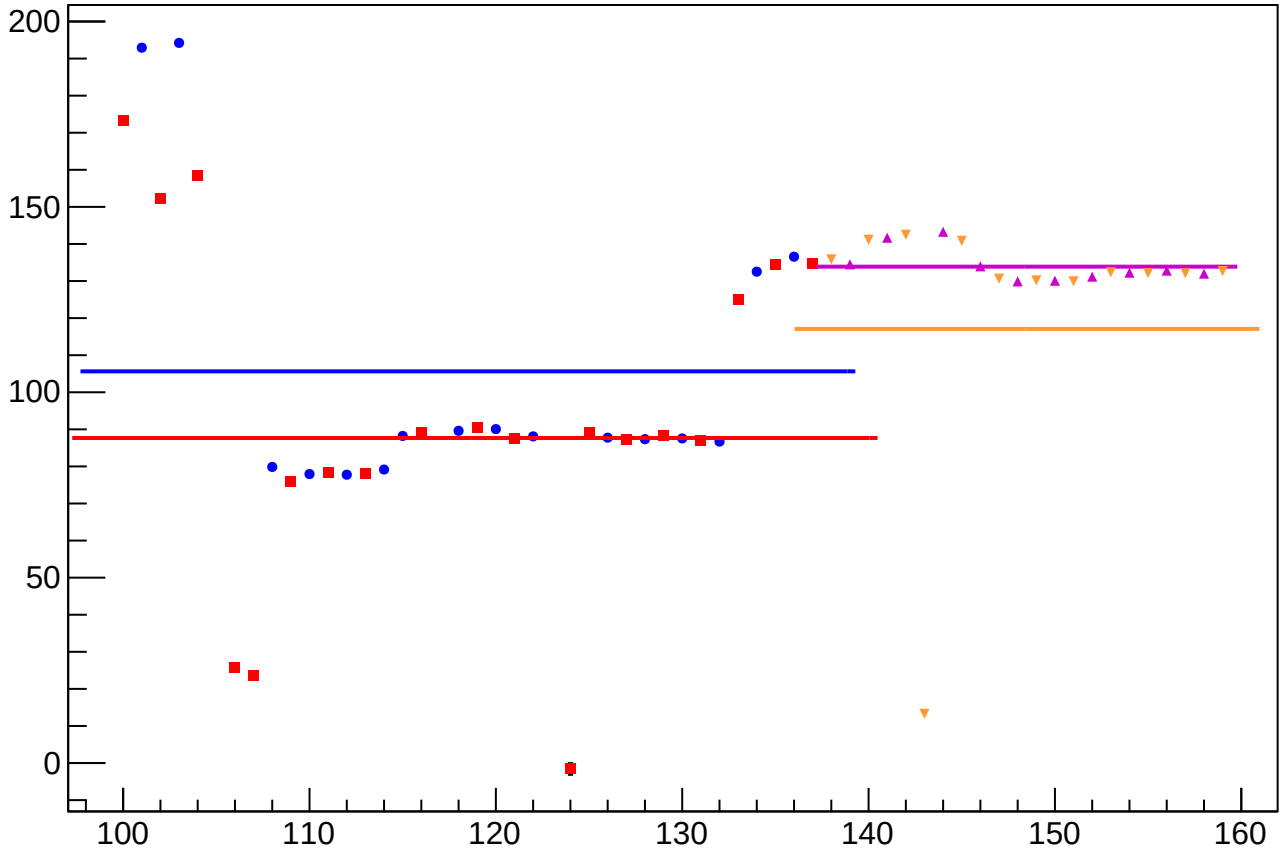
Left In: -71.303+/-1.255 χ^2/NDF:96.9/9

+ sign -64.933+/-0.766 χ^2/NDF: 955.9/27

All: -66.523+/-0.551 χ^2/NDF: 1430.0/56

- sign -68.230+/-0.793 χ^2/NDF: 465.2/28

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

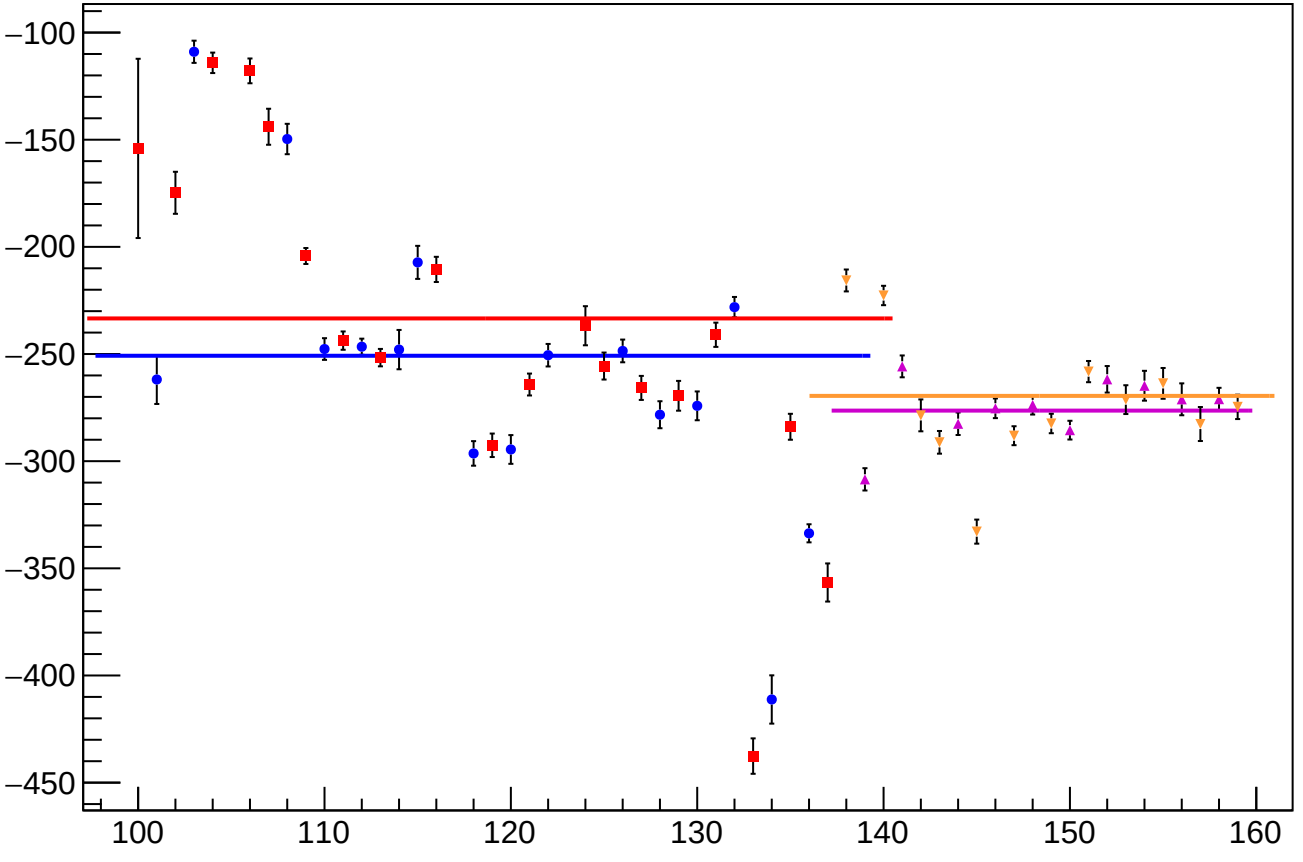
Left In: 133.877+/-0.059 χ^2/NDF:5272.4/9

+ sign 112.743+/-0.044 χ^2/NDF: 841753.6/27

All: 112.999+/-0.031 χ^2/NDF: 1496013.3/56

- sign 113.257+/-0.044 χ^2/NDF: 654190.6/28

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

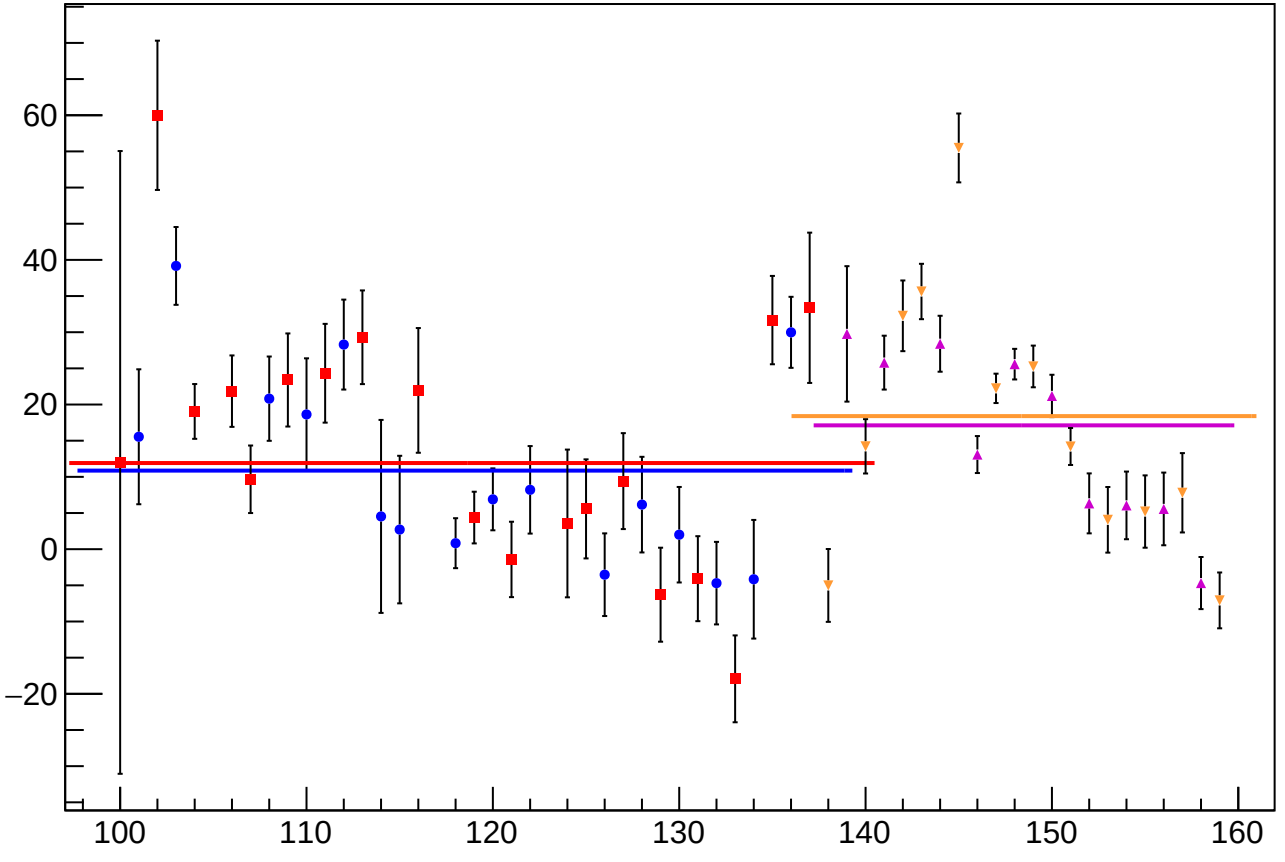
Left In: -276.405+/-1.663 χ^2/NDF:70.4/9

+ sign -259.308+/-1.063 χ^2/NDF: 2211.9/27

All: -254.670+/-0.743 χ^2/NDF: 5105.3/56

- sign -250.228+/-1.040 χ^2/NDF: 2856.1/28

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

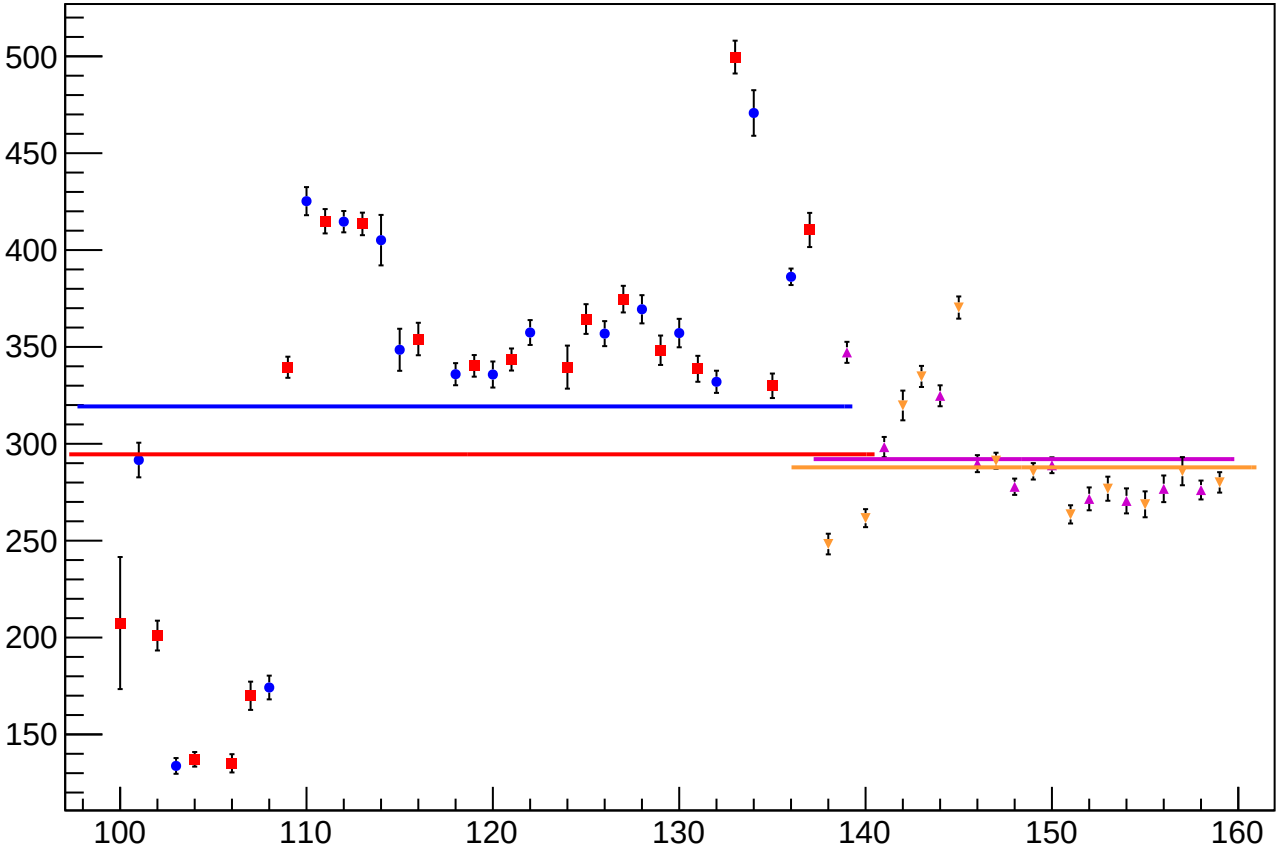
Left In: 17.121+/-1.076 χ^2/NDF:90.5/9

+ sign 15.967+/-0.836 χ^2/NDF: 290.5/27

All: 15.553+/-0.594 χ^2/NDF: 502.3/56

- sign 15.130+/-0.846 χ^2/NDF: 211.4/28

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

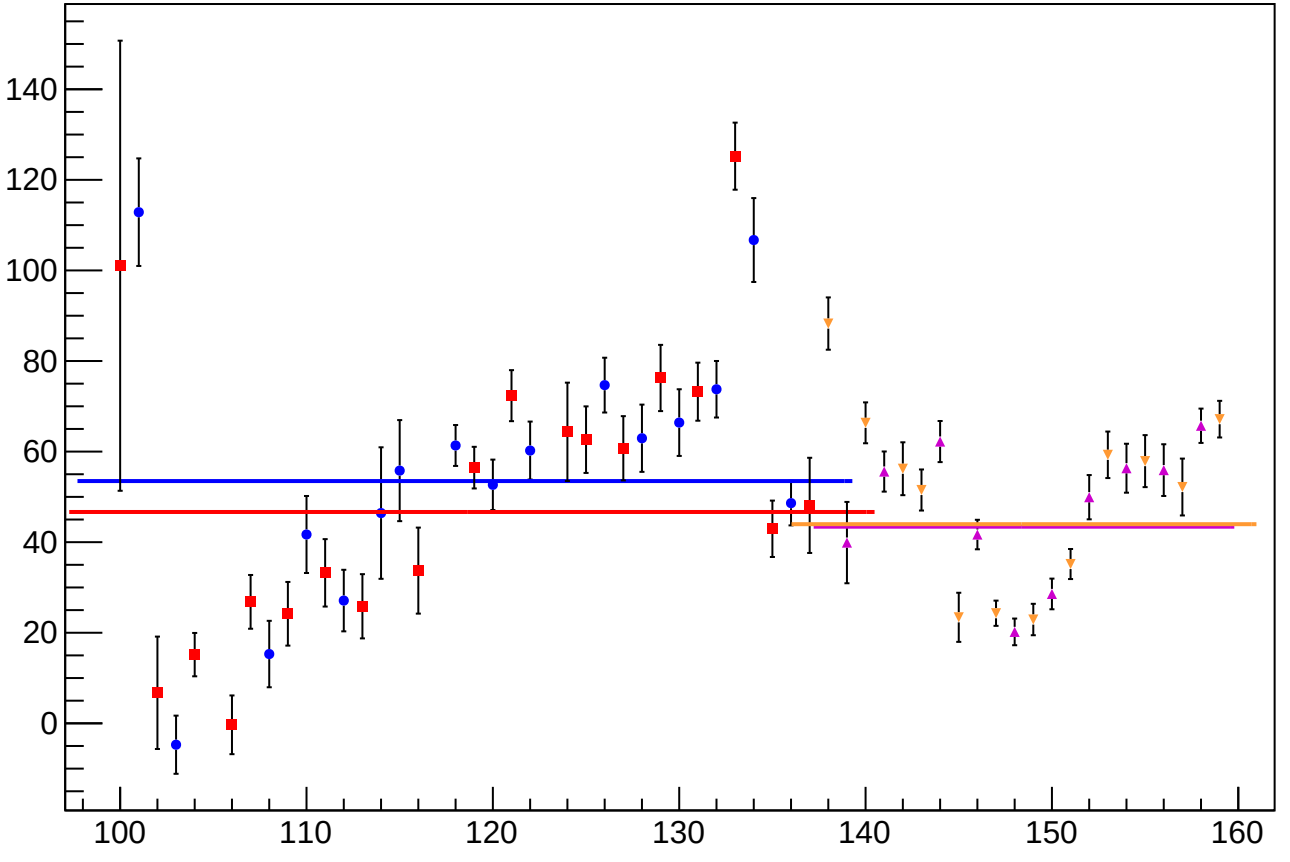
Left In: 292.092+/-1.603 χ^2/NDF:192.5/9

\+ sign 303.030+/-1.102 χ^2/NDF: 4423.4/27

All: 298.166+/-0.774 χ^2/NDF: 10158.8/56

\- sign 293.427+/-1.088 χ^2/NDF: 5697.0/28

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

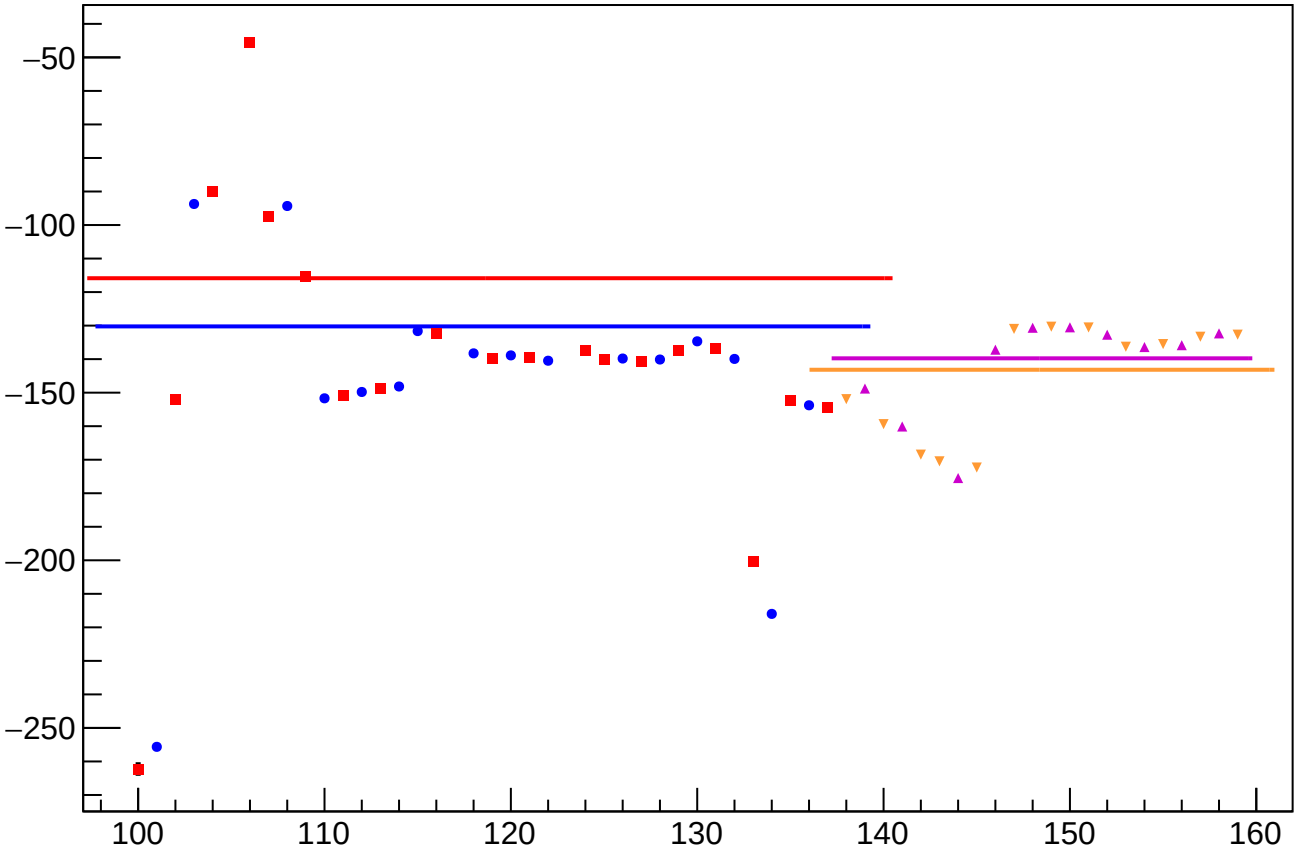
Left In: 43.420+/-1.307 χ^2/NDF:153.5/9

+ sign 47.287+/-1.002 χ^2/NDF: 485.7/27

All: 46.017+/-0.712 χ^2/NDF: 970.6/56

- sign 44.726+/-1.011 χ^2/NDF: 481.6/28

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

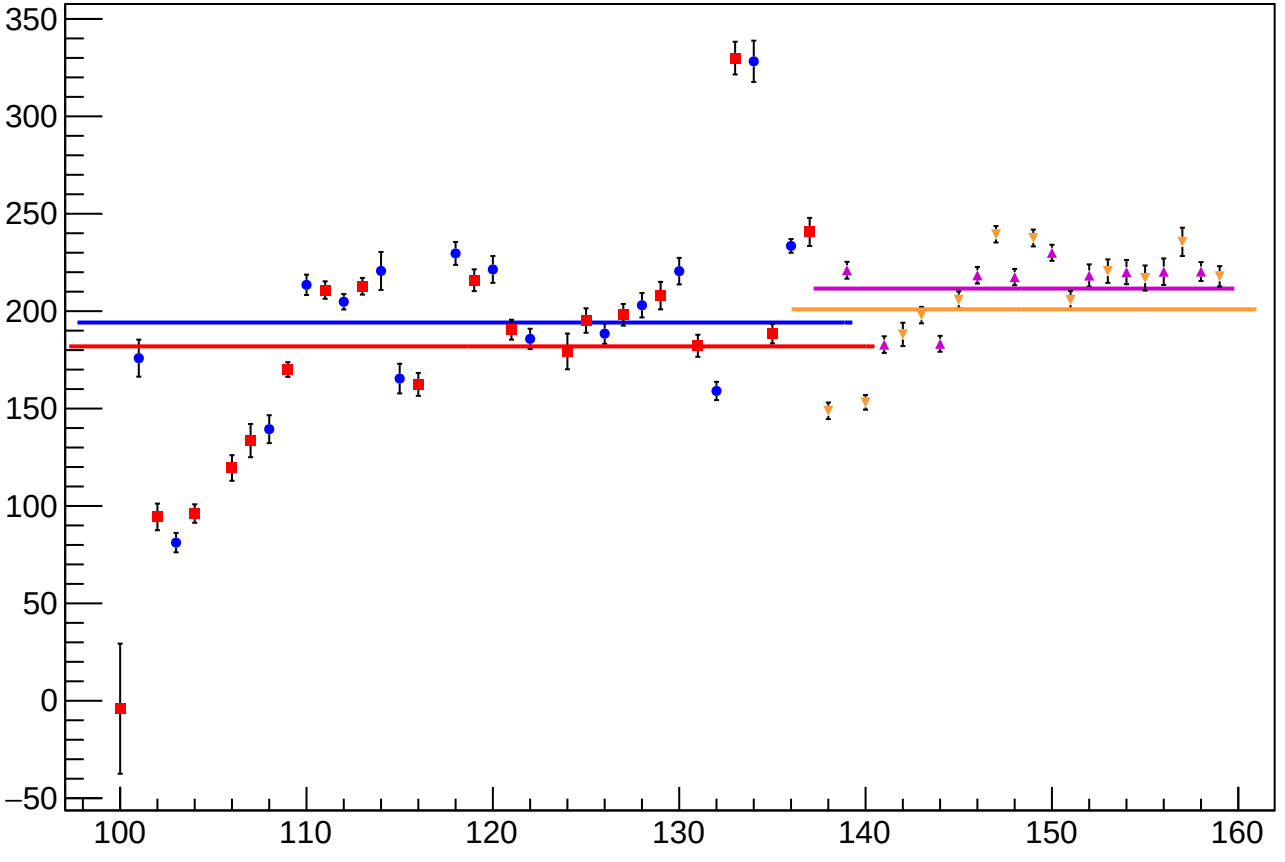
Left In: -139.759+/-0.062 χ^2/NDF:42670.5/9

+ sign -139.210+/-0.050 χ^2/NDF: 254873.0/27

All: -135.387+/-0.036 χ^2/NDF: 566097.4/56

- sign -131.614+/-0.050 χ^2/NDF: 299783.7/28

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

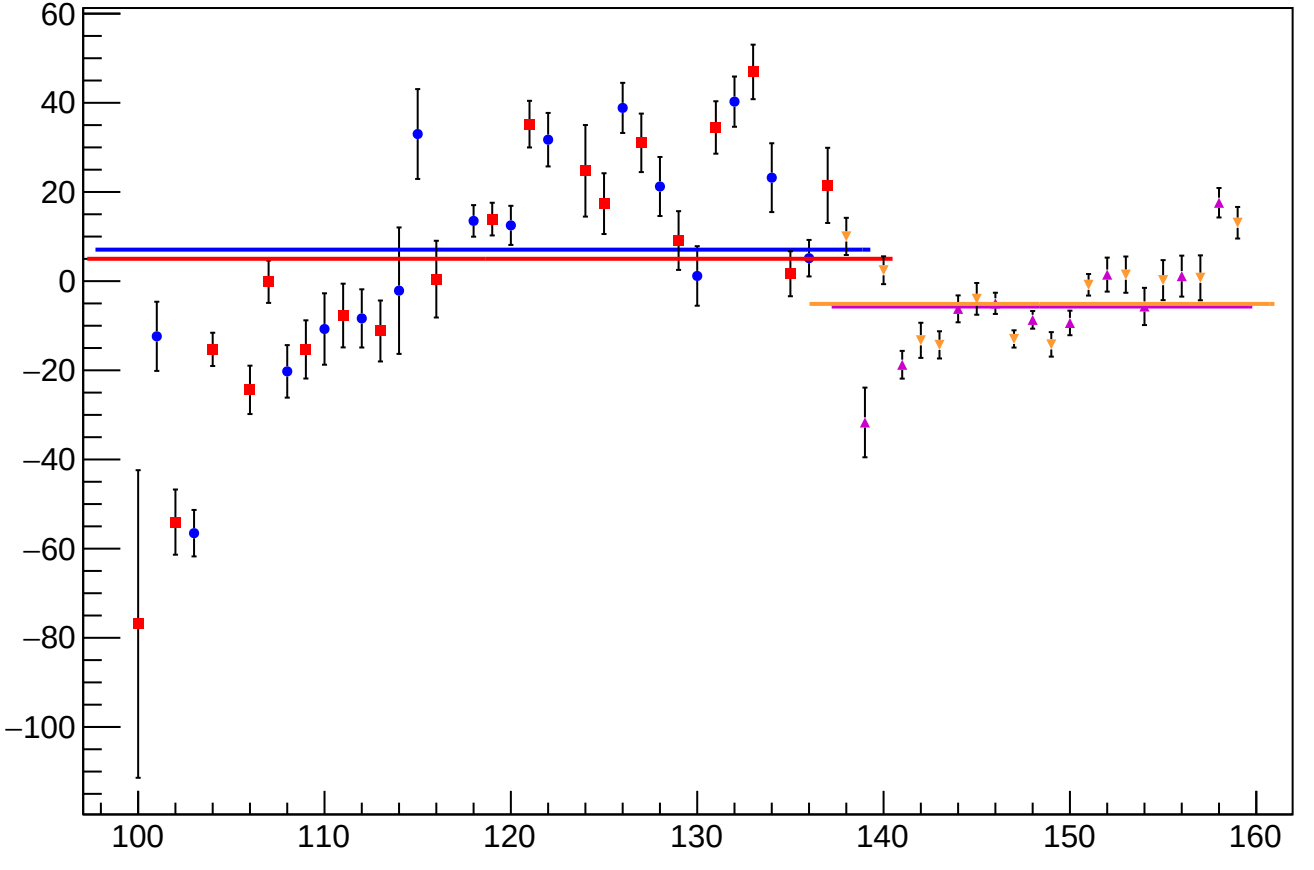
Left In: 211.591+/-1.474 χ^2/NDF:131.0/9

+ sign 197.623+/-0.984 χ^2/NDF: 1573.2/27

All: 196.387+/-0.696 χ^2/NDF: 3136.7/56

- sign 195.151+/-0.984 χ^2/NDF: 1560.3/28

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

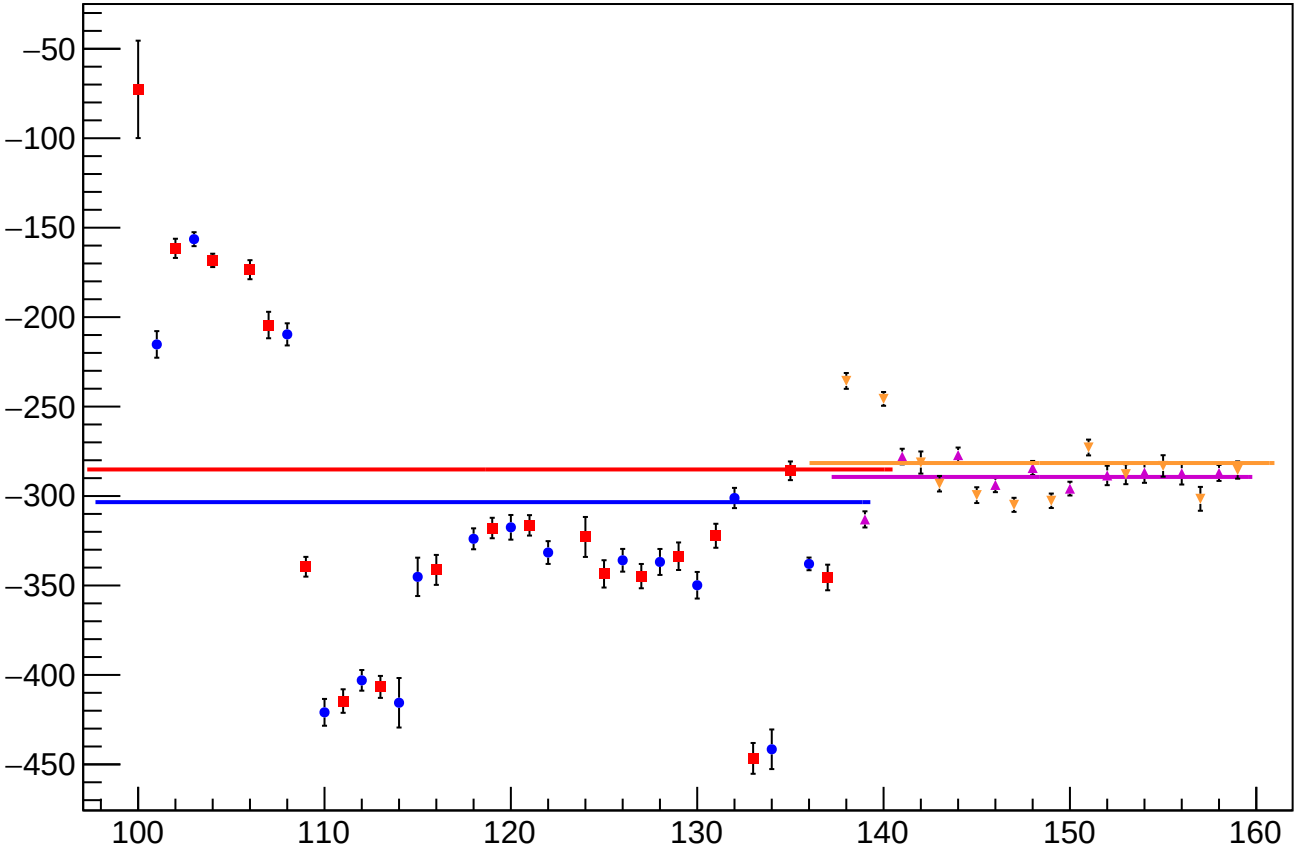
Left In: -5.696+/-0.973 χ^2/NDF:88.2/9

+ sign -1.648+/-0.769 χ^2/NDF: 438.4/27

All: -1.845+/-0.551 χ^2/NDF: 856.5/56

- sign -2.053+/-0.790 χ^2/NDF: 418.0/28

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

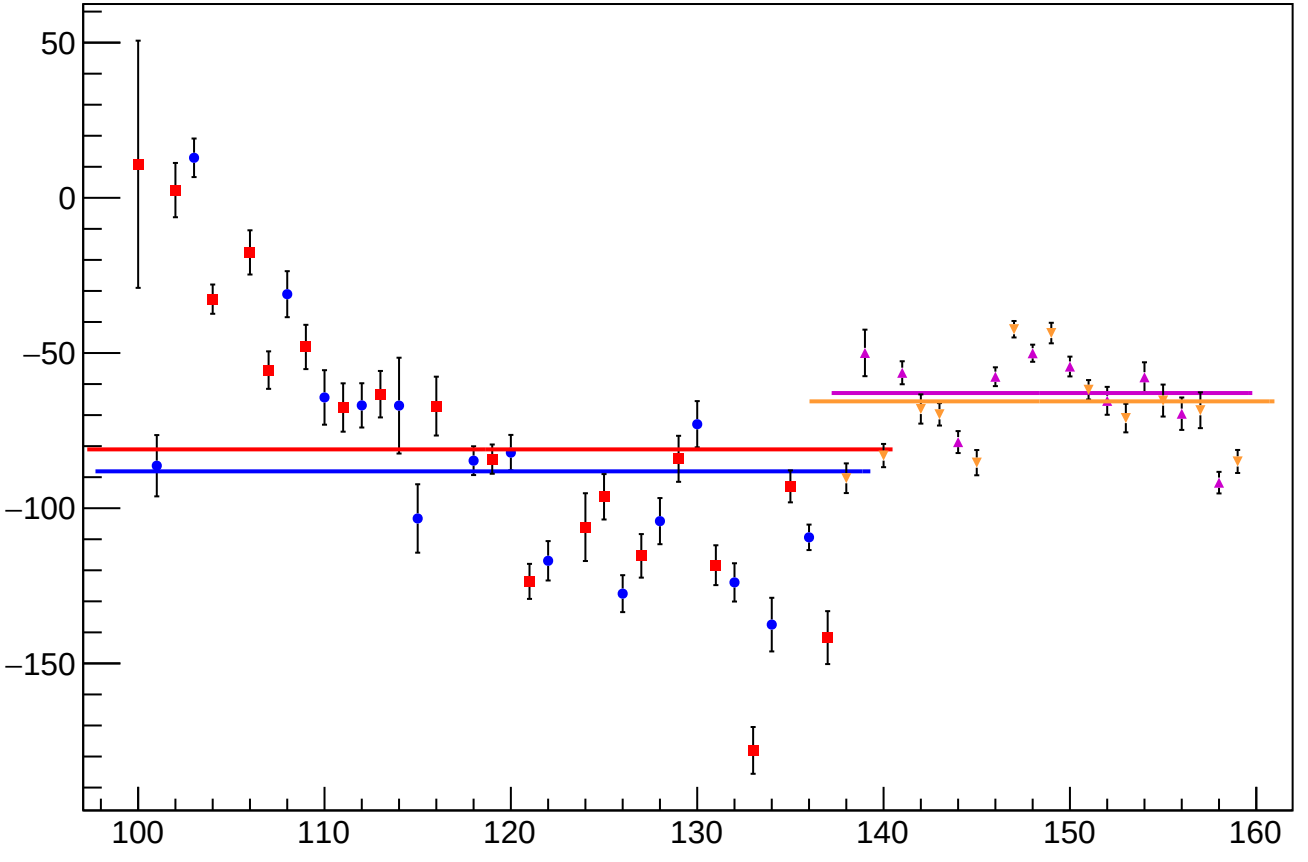
Left In: -289.326+/-1.428 χ^2/NDF:49.1/9

+ sign -291.090+/-1.011 χ^2/NDF: 3195.9/27

All: -289.193+/-0.717 χ^2/NDF: 7011.1/56

- sign -287.270+/-1.018 χ^2/NDF: 3808.1/28

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

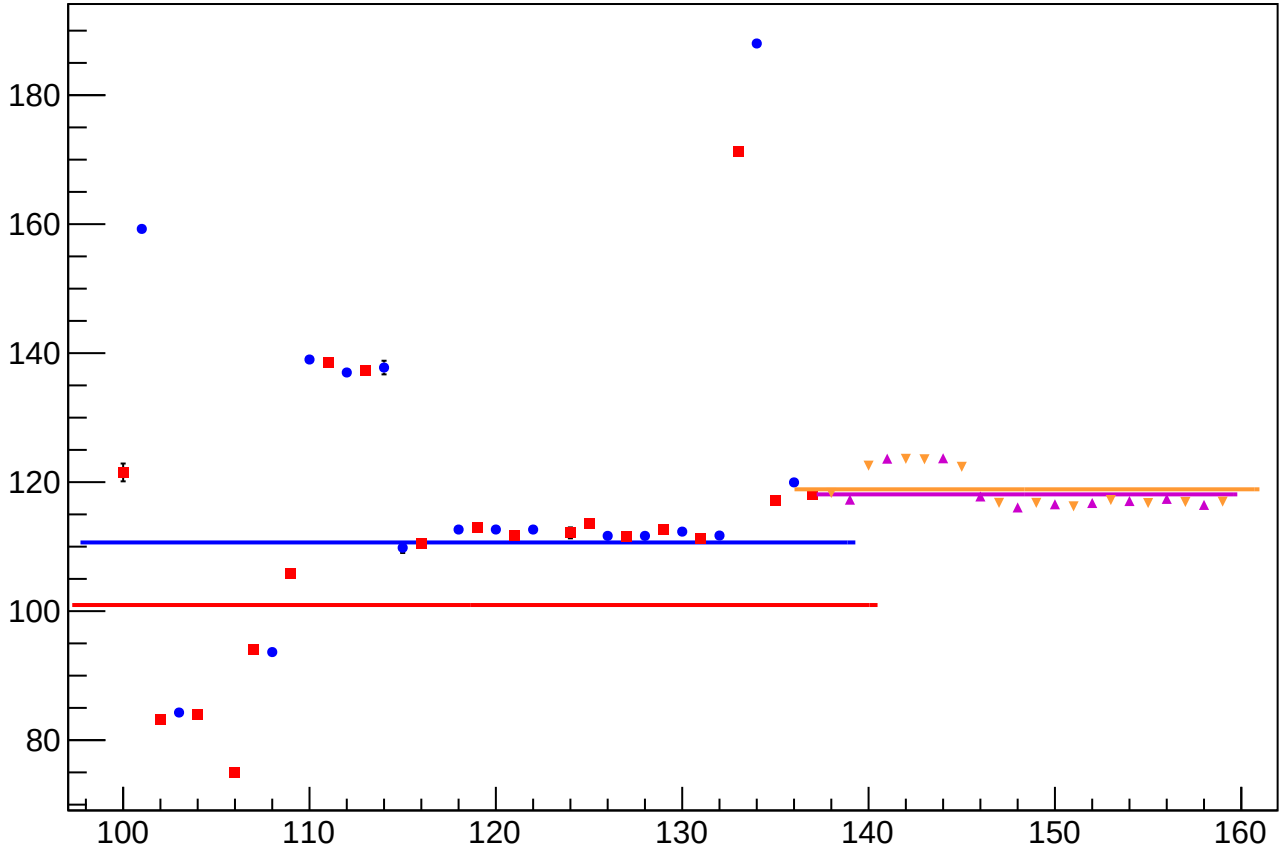
Left In: -62.890+/-1.177 χ^2/NDF:129.9/9

+ sign -72.519+/-0.919 χ^2/NDF: 865.3/27

All: -71.013+/-0.658 χ^2/NDF: 1763.9/56

- sign -69.432+/-0.942 χ^2/NDF: 893.1/28

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

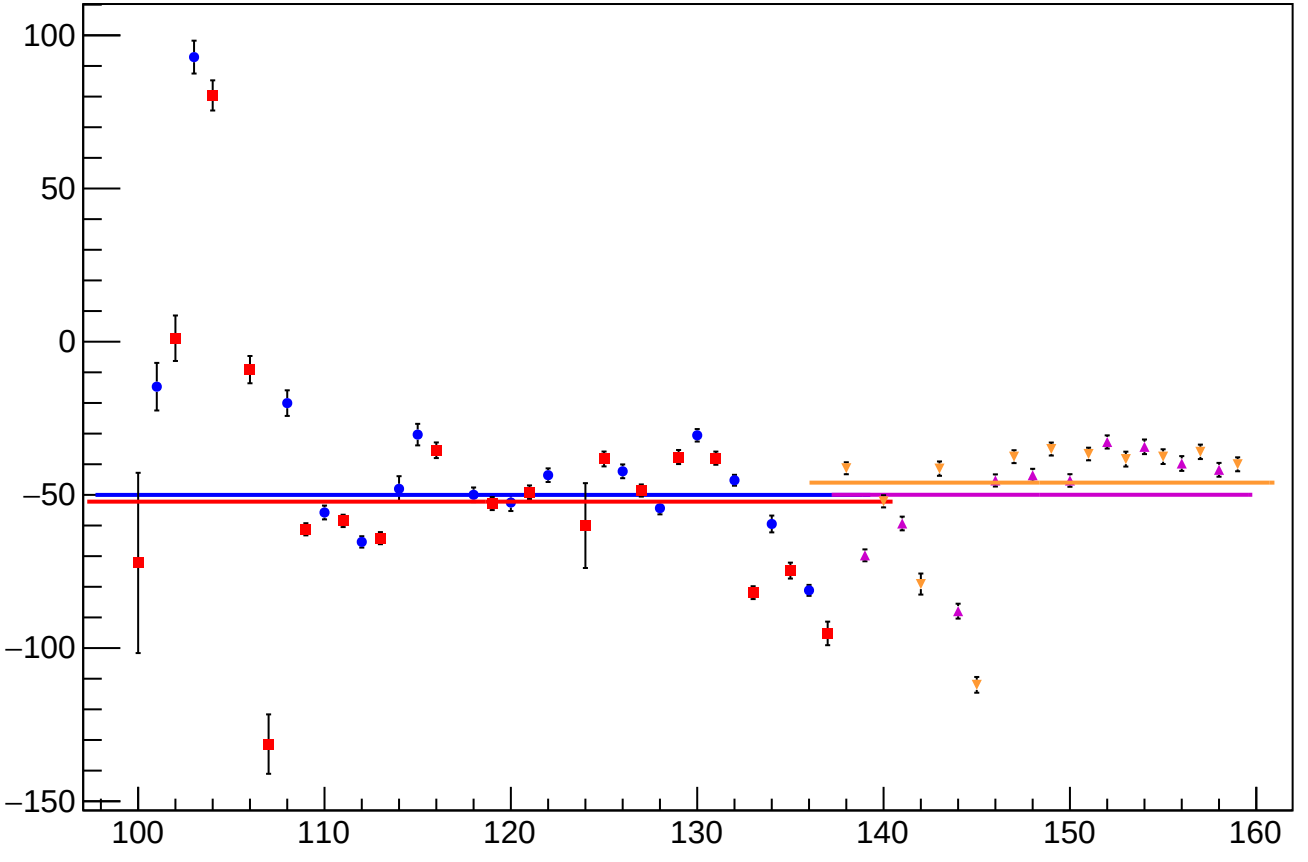
Left In: 118.104+/-0.055 χ^2/NDF:2327.8/9

+ sign 116.601+/-0.045 χ^2/NDF: 92974.8/27

All: 114.653+/-0.032 χ^2/NDF: 191730.4/56

- sign 112.679+/-0.046 χ^2/NDF: 95023.0/28

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

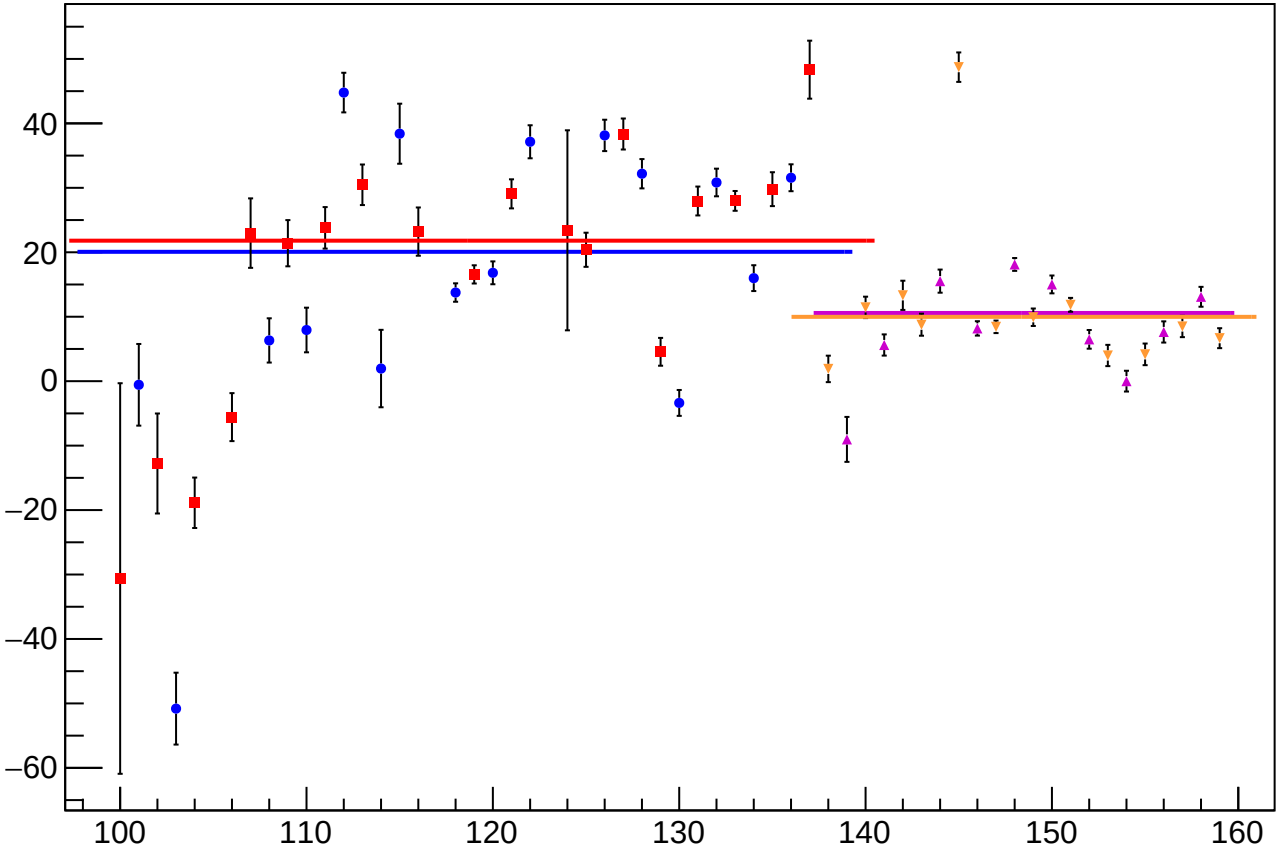
Left In: -49.966+/-0.689 χ^2/NDF:522.9/9

+ sign -48.148+/-0.446 χ^2/NDF: 2228.2/27

All: -49.662+/-0.319 χ^2/NDF: 4350.8/56

- sign -51.231+/-0.455 χ^2/NDF: 2099.2/28

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

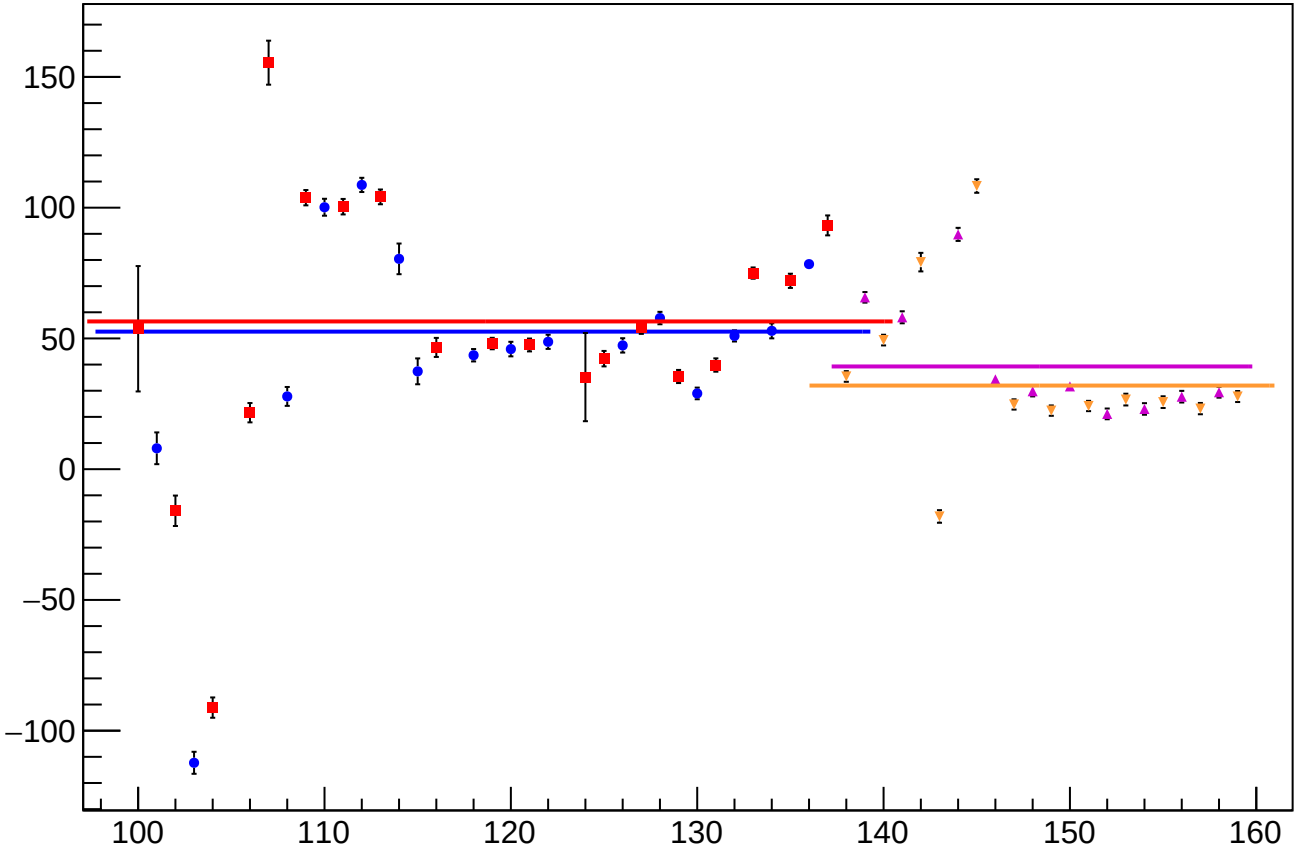
Left In: 10.583+/-0.459 χ^2/NDF:177.1/9

+ sign 13.361+/-0.354 χ^2/NDF: 1159.5/27

All: 13.925+/-0.256 χ^2/NDF: 1948.7/56

- sign 14.539+/-0.369 χ^2/NDF: 783.9/28

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

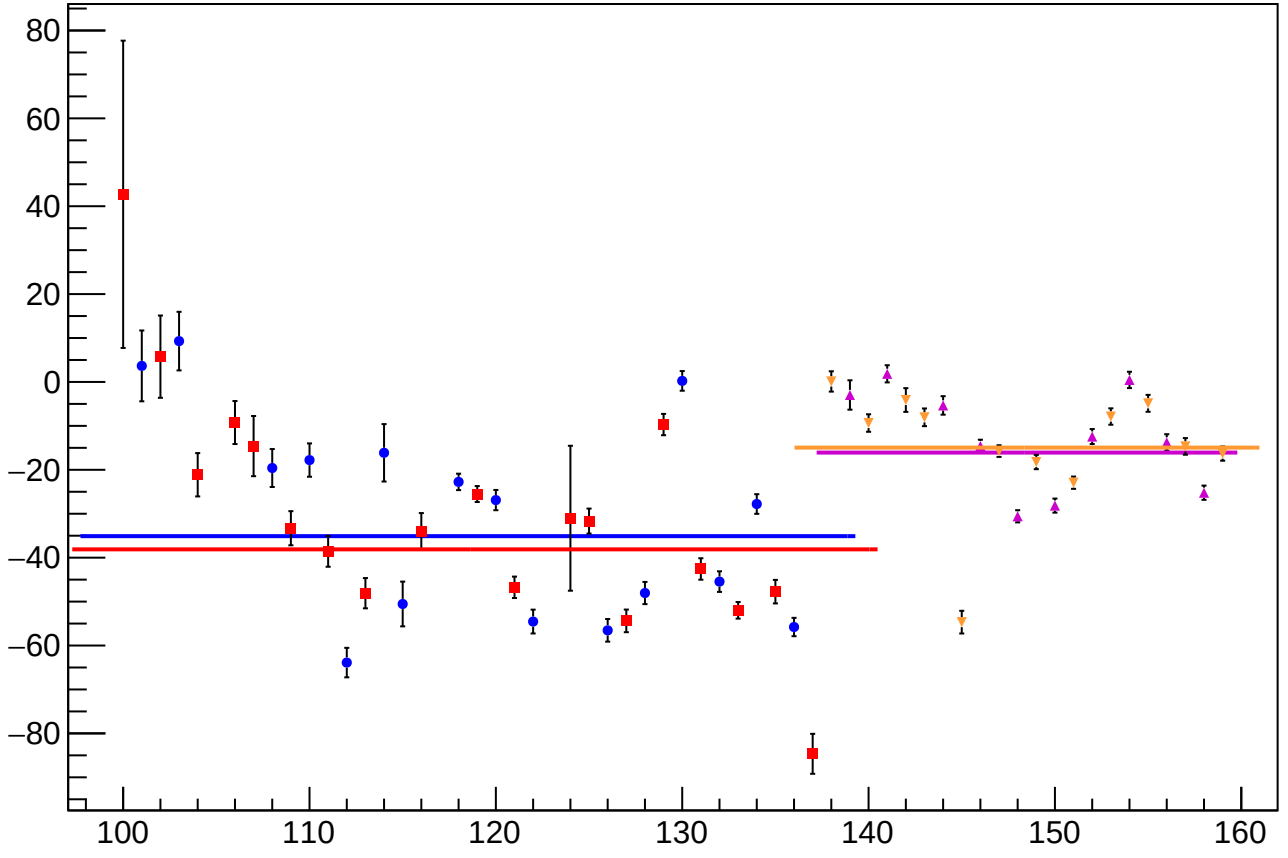
Left In: 39.282+/-0.664 χ^2/NDF:871.0/9

\+ sign 41.331+/-0.469 χ^2/NDF: 4773.6/27

All: 44.257+/-0.337 χ^2/NDF: 9006.4/56

\- sign 47.367+/-0.483 χ^2/NDF: 4152.5/28

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

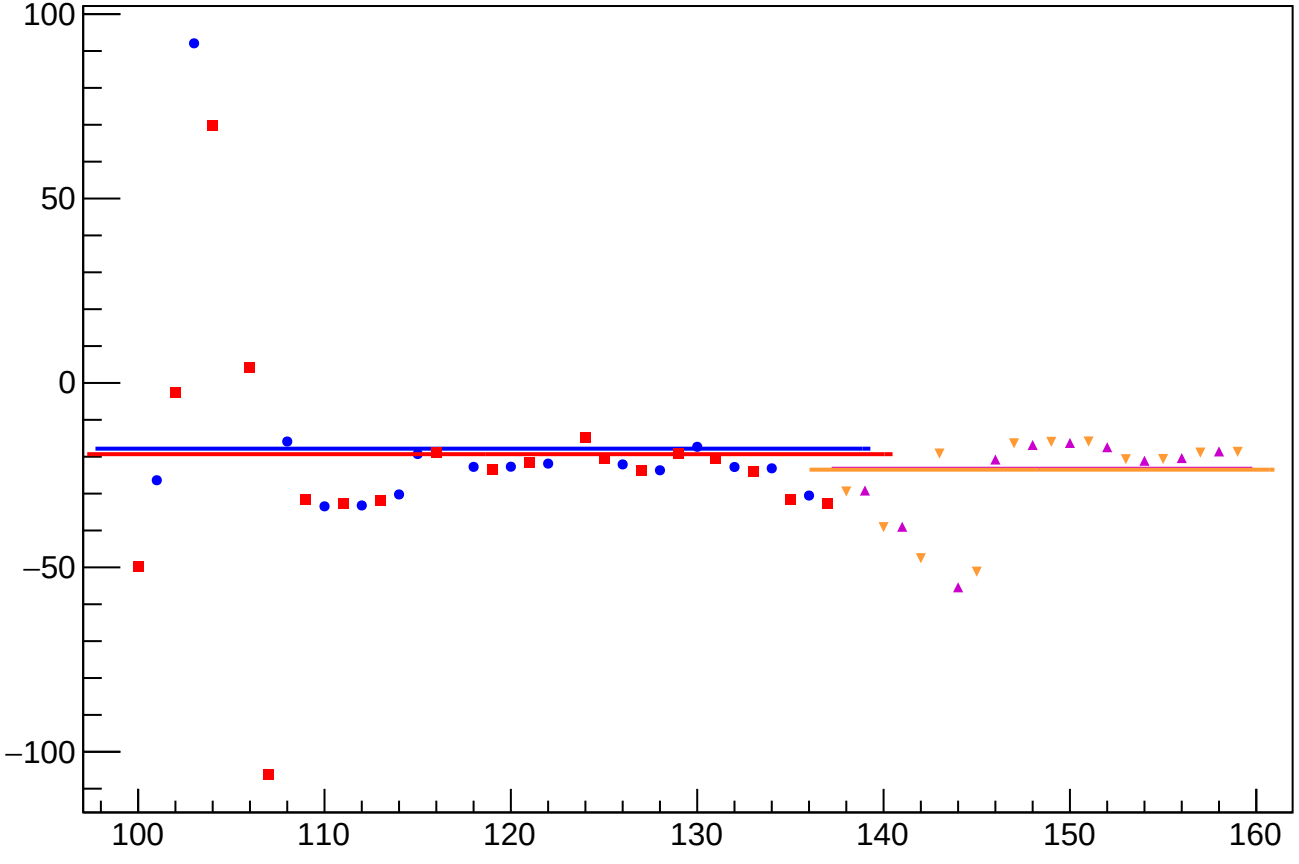
Left In: -16.077+/-0.552 χ^2/NDF:410.4/9

+ sign -22.182+/-0.419 χ^2/NDF: 1698.8/27

All: -23.207+/-0.302 χ^2/NDF: 3232.5/56

- sign -24.318+/-0.437 χ^2/NDF: 1521.3/28

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

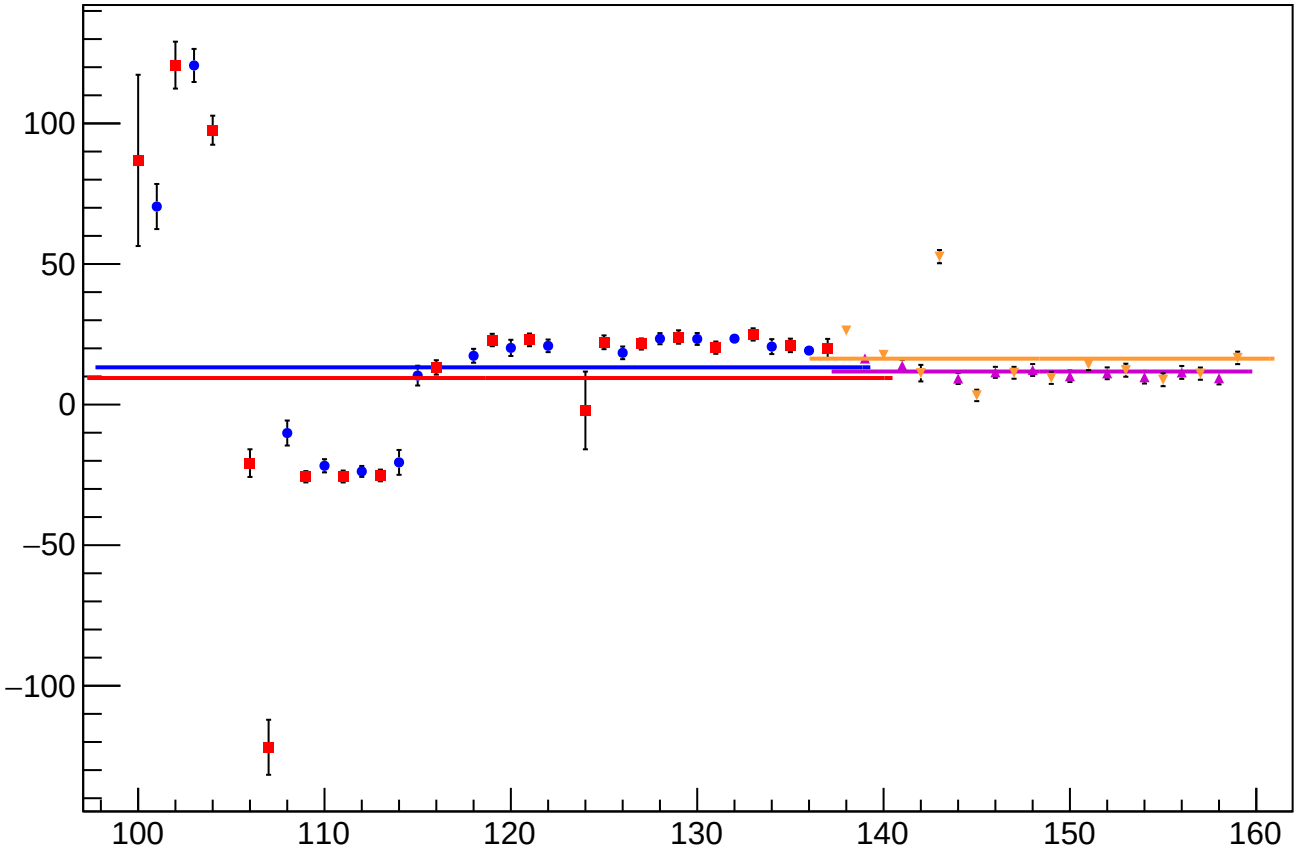
Left In: -23.258+/-0.025 χ^2/NDF:145236.0/9

+ sign -22.146+/-0.021 χ^2/NDF: 612781.8/27

All: -22.251+/-0.015 χ^2/NDF: 1108370.5/56

- sign -22.364+/-0.022 χ^2/NDF: 495537.6/28

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

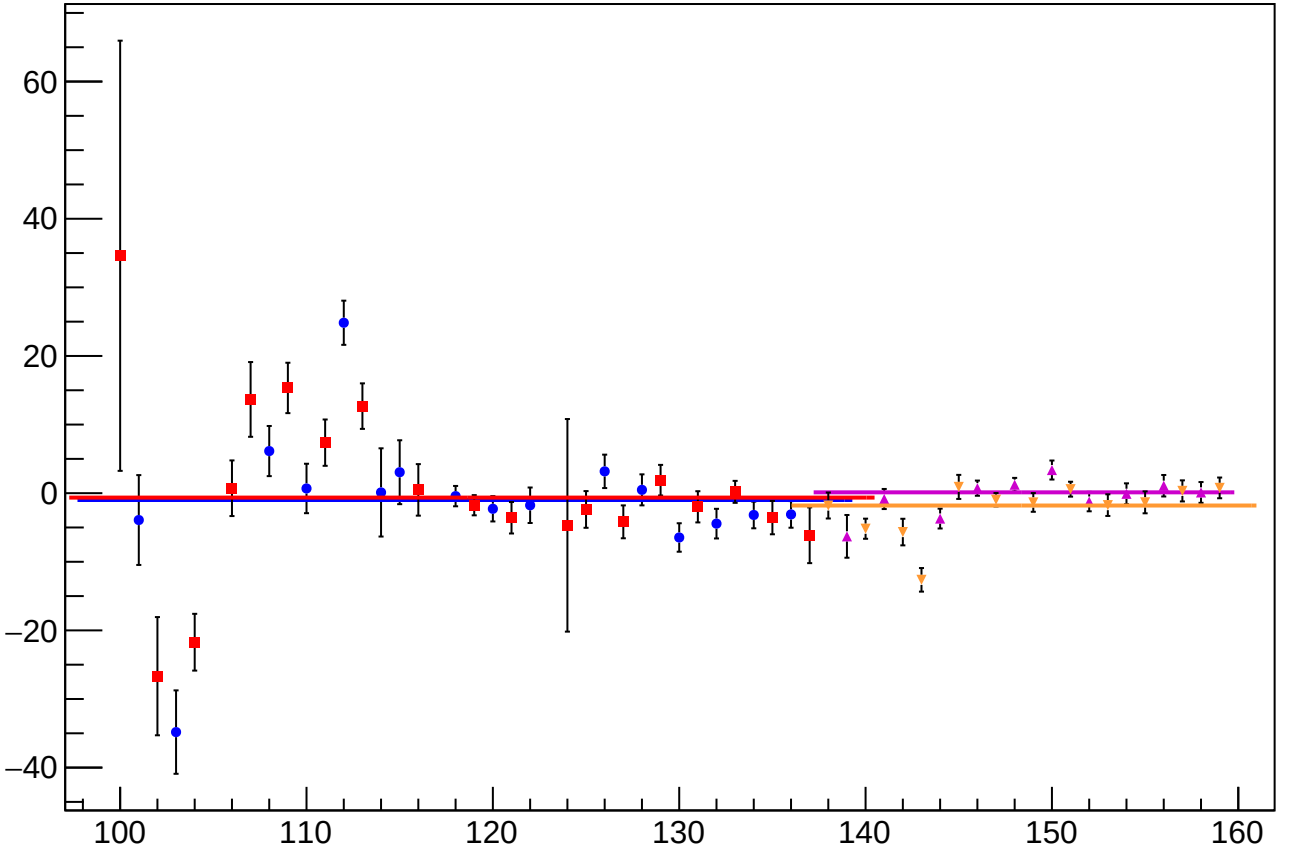
Left In: 11.763+/-0.647 χ^2/NDF:12.8/9

+ sign 14.791+/-0.435 χ^2/NDF: 1544.4/27

All: 12.721+/-0.311 χ^2/NDF: 3446.9/56

- sign 10.549+/-0.446 χ^2/NDF: 1856.1/28

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

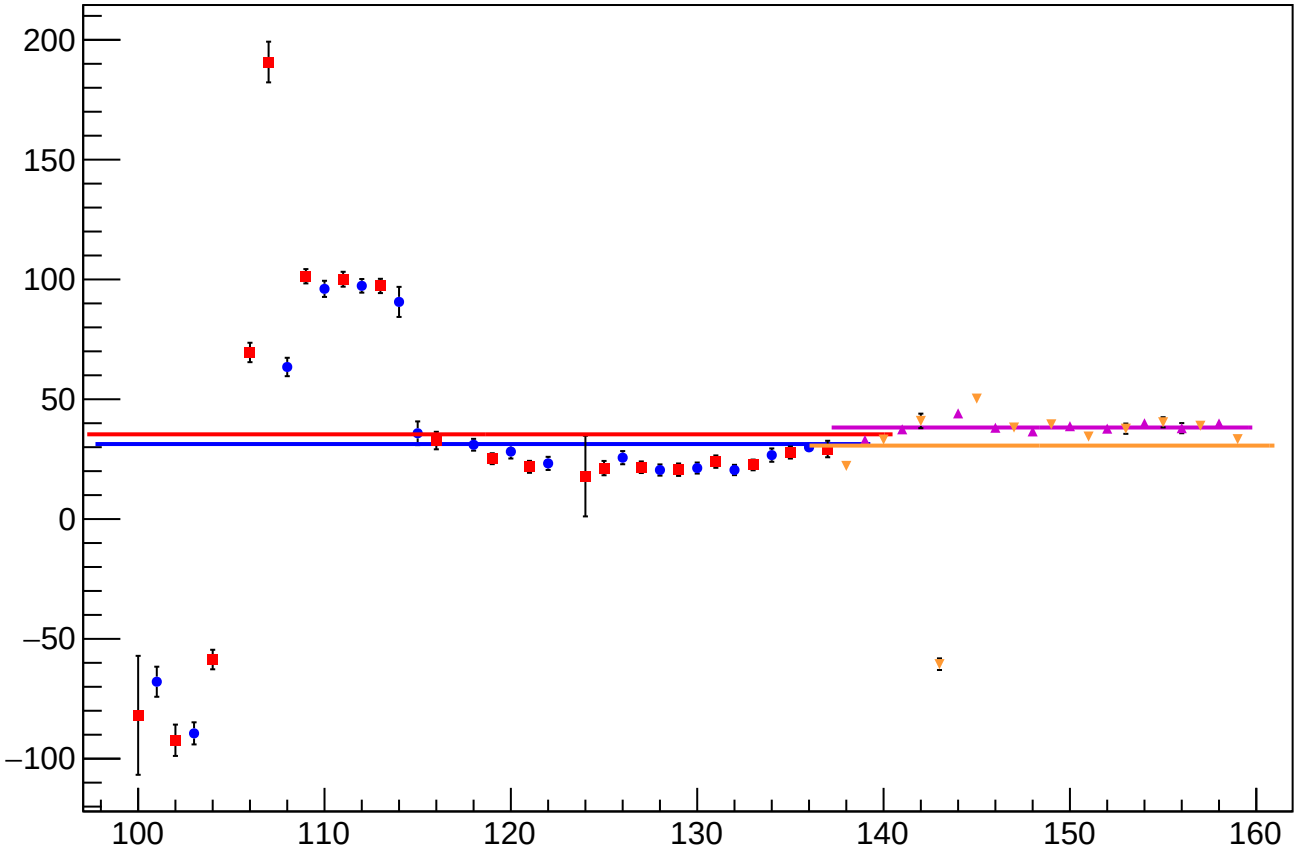
Left In: 0.122+/-0.440 χ^2/NDF:20.0/9

+ sign -1.548+/-0.345 χ^2/NDF: 179.5/27

All: -0.870+/-0.250 χ^2/NDF: 302.8/56

- sign -0.126+/-0.362 χ^2/NDF: 115.2/28

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

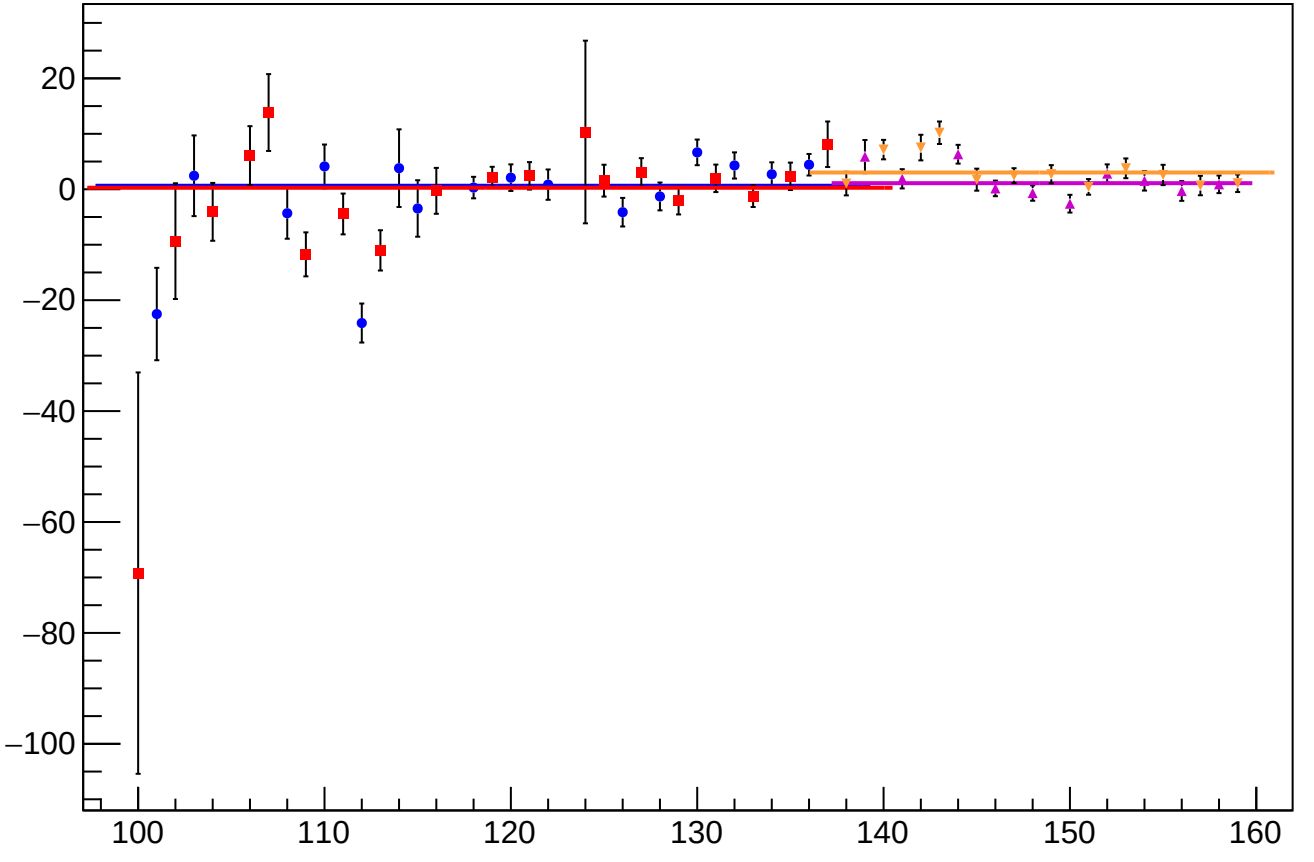
Left In: 38.211+/-0.626 χ^2/NDF:19.5/9

\+ sign 30.935+/-0.455 χ^2/NDF: 3711.2/27

All: 33.849+/-0.327 χ^2/NDF: 6722.5/56

\- sign 36.981+/-0.472 χ^2/NDF: 2926.1/28

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

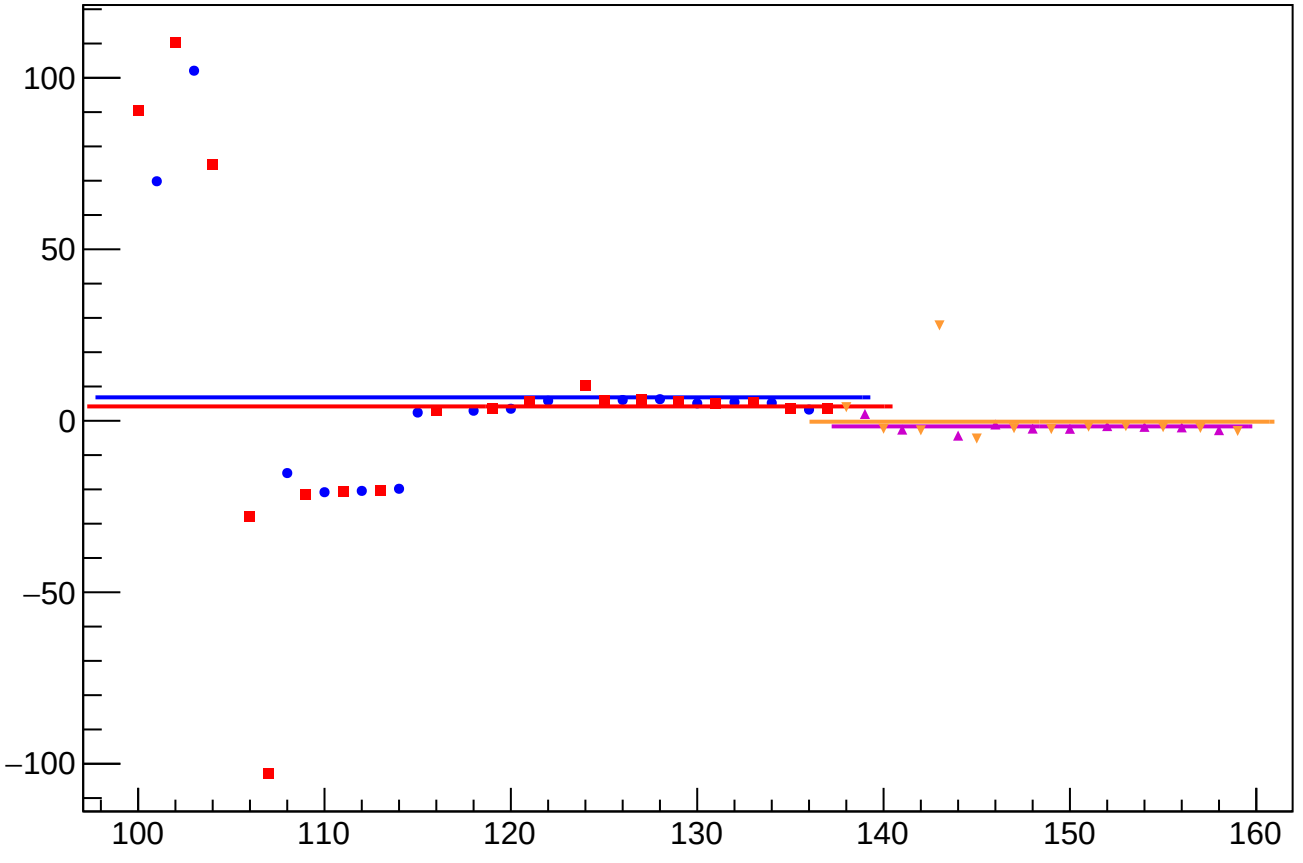
Left In: 1.099+/-0.526 χ^2/NDF:21.5/9

+ sign 2.222+/-0.408 χ^2/NDF: 116.4/27

All: 1.550+/-0.295 χ^2/NDF: 184.9/56

- sign 0.815+/-0.426 χ^2/NDF: 62.8/28

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



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

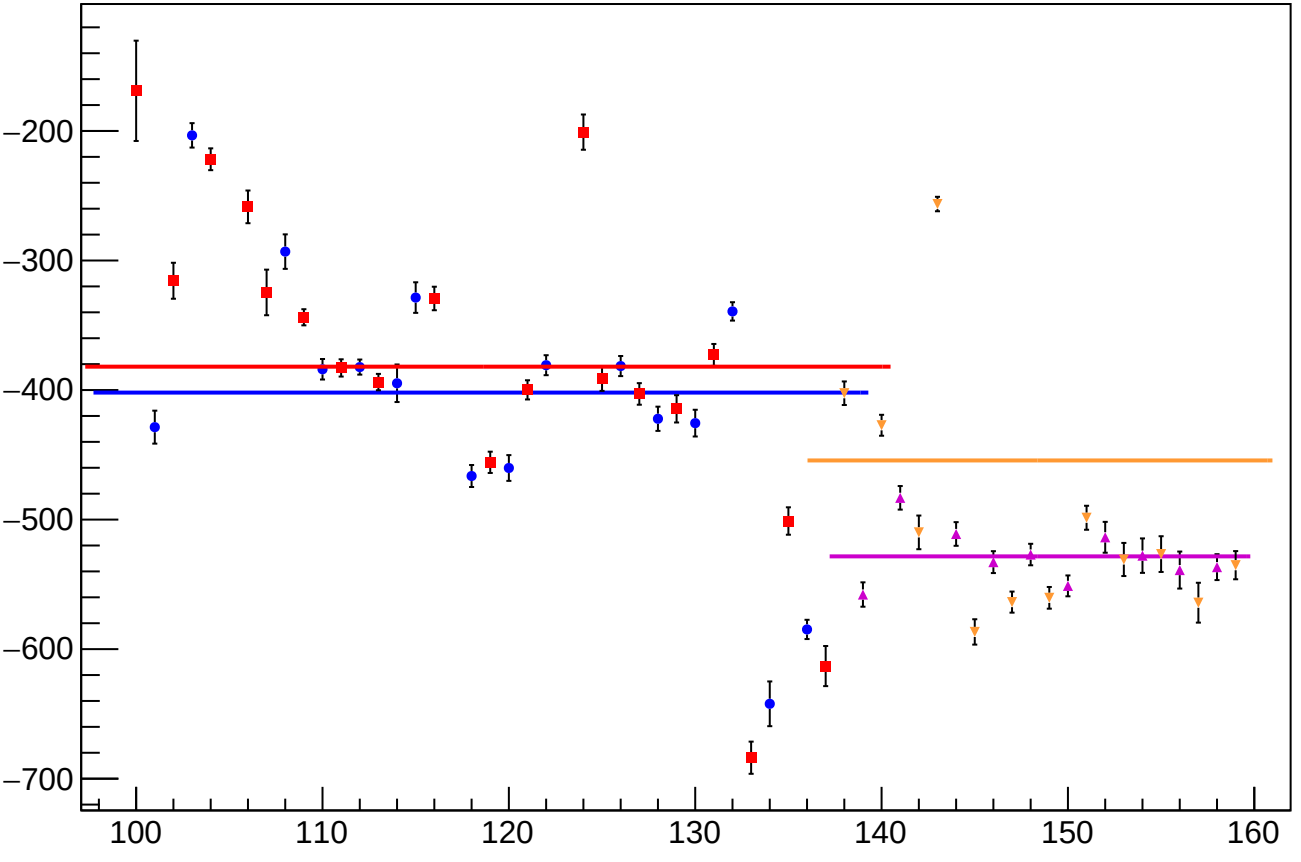
Left In: -1.630+/-0.024 χ^2/NDF:4665.0/9

+ sign 1.311+/-0.020 χ^2/NDF: 432539.8/27

All: 0.476+/-0.015 χ^2/NDF: 887879.4/56

- sign -0.431+/-0.021 χ^2/NDF: 451760.9/28

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

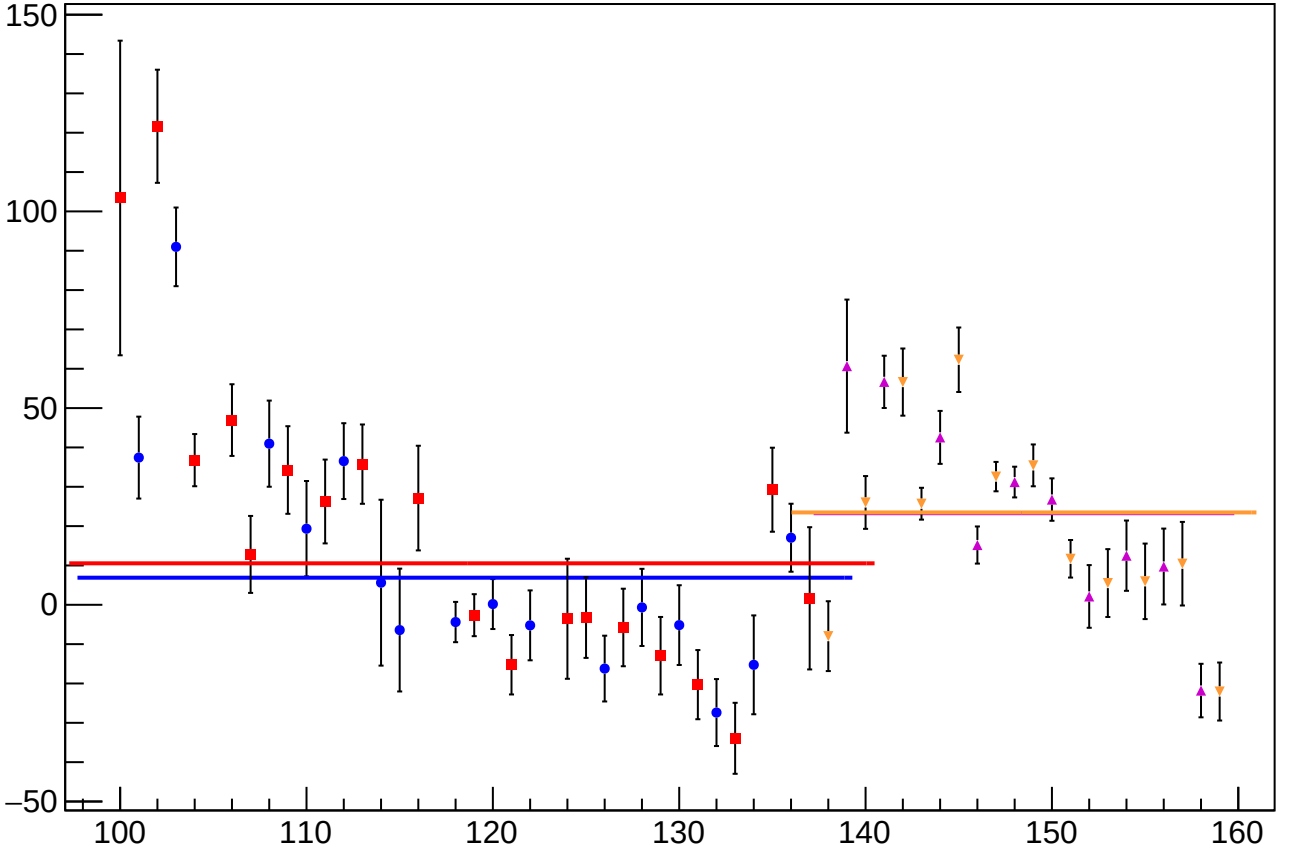
Left In: -528.391+/-3.058 χ^2/NDF:49.1/9

+ sign -423.610+/-1.713 χ^2/NDF: 3823.9/27

All: -426.561+/-1.222 χ^2/NDF: 7243.5/56

- sign -429.623+/-1.745 χ^2/NDF: 3413.6/28

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

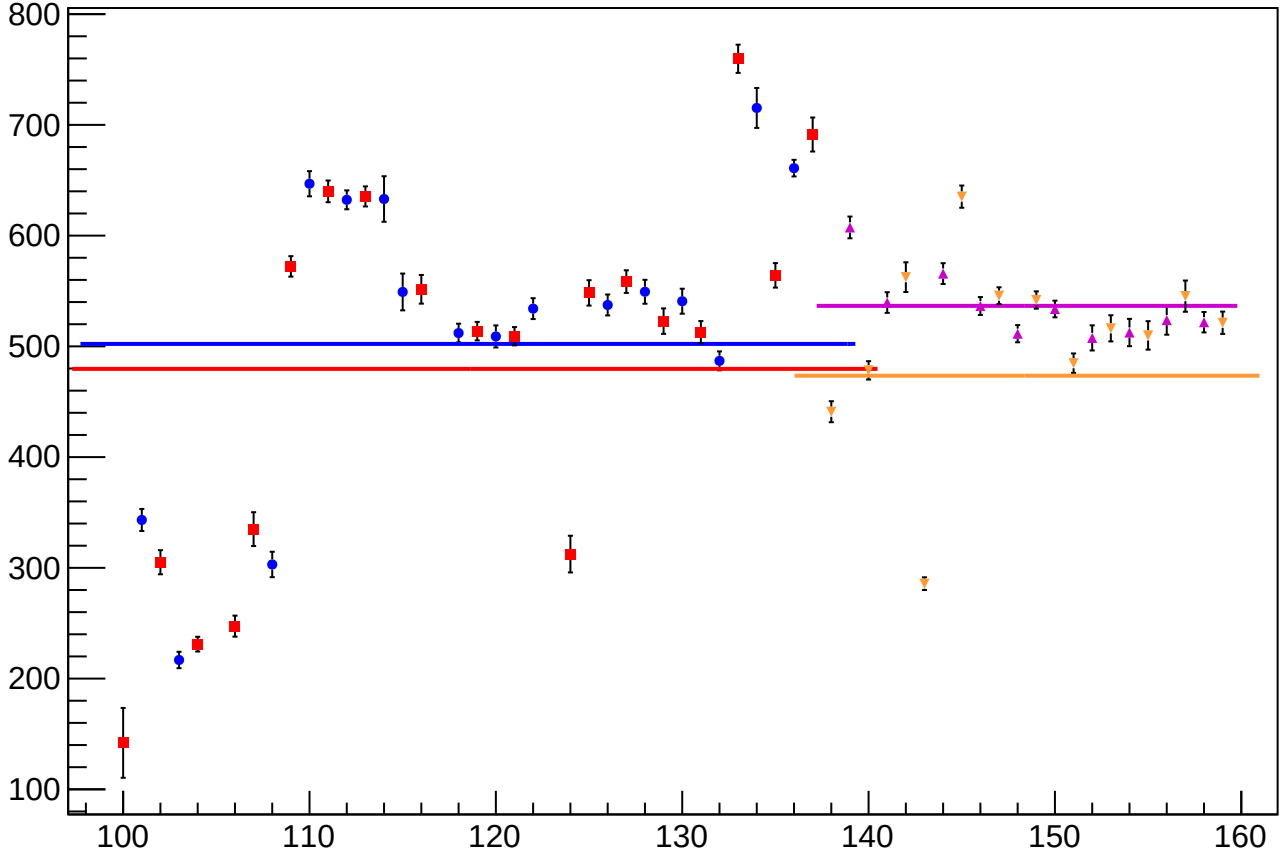
Left In: 23.279+/-1.985 χ^2/NDF:100.2/9

+ sign 17.280+/-1.384 χ^2/NDF: 286.9/27

All: 17.409+/-1.009 χ^2/NDF: 585.7/56

- sign 17.555+/-1.473 χ^2/NDF: 298.7/28

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

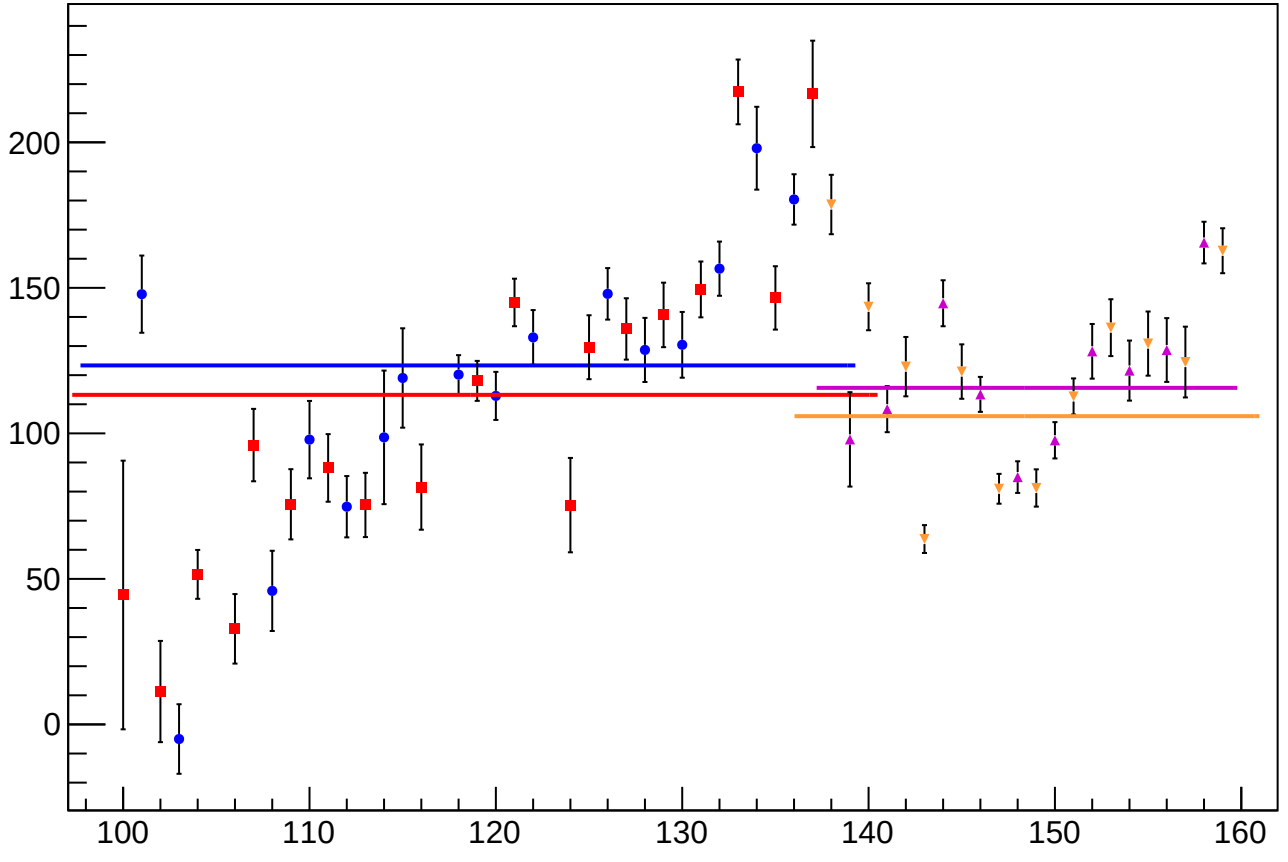
Left In: 536.575+/-2.954 χ^2/NDF:86.3/9

+ sign 488.553+/-1.804 χ^2/NDF: 4821.9/27

All: 495.209+/-1.296 χ^2/NDF: 9298.5/56

- sign 502.298+/-1.862 χ^2/NDF: 4448.4/28

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

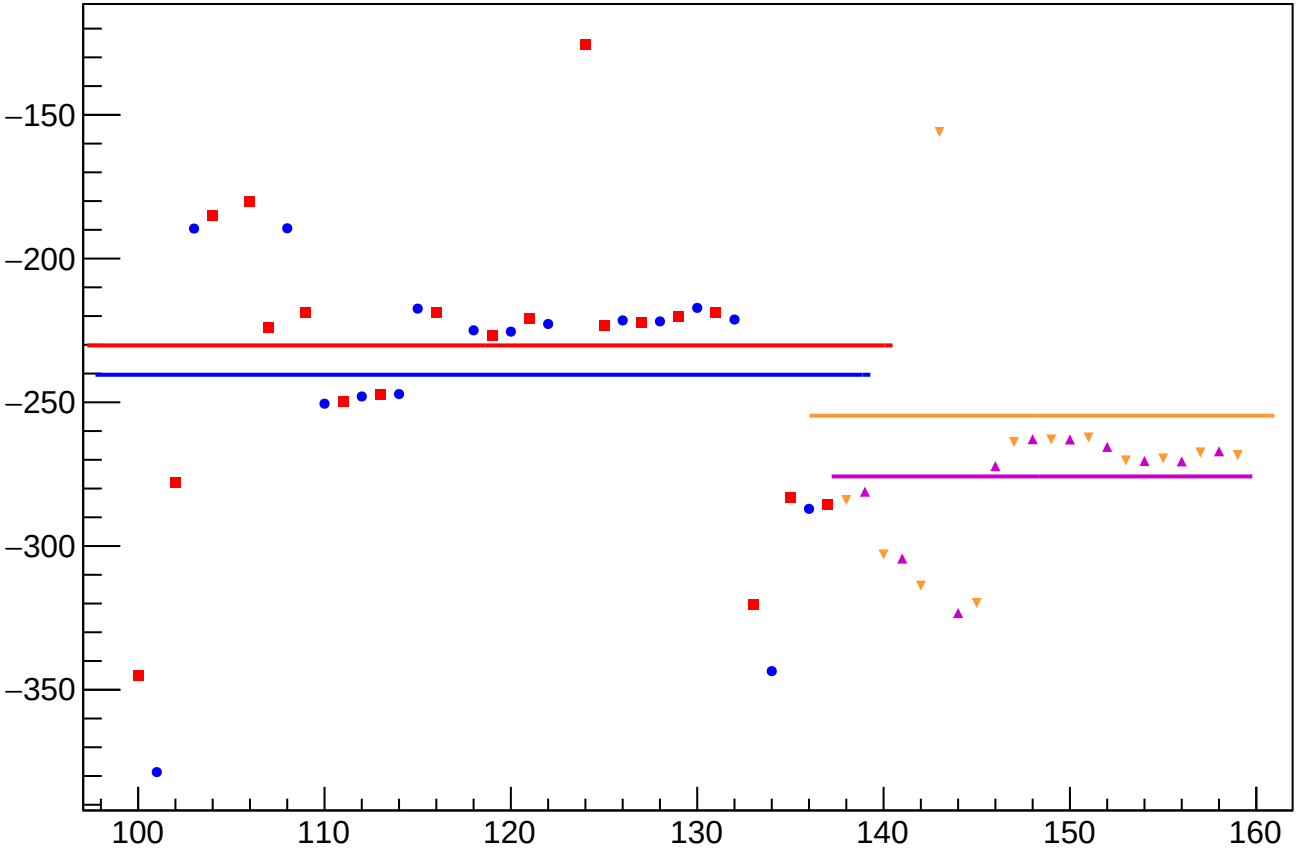
Left In: 115.639+/-2.414 χ^2/NDF:108.1/9

+ sign 112.827+/-1.655 χ^2/NDF: 564.7/27

All: 113.617+/-1.203 χ^2/NDF: 1019.5/56

- sign 114.500+/-1.751 χ^2/NDF: 454.3/28

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

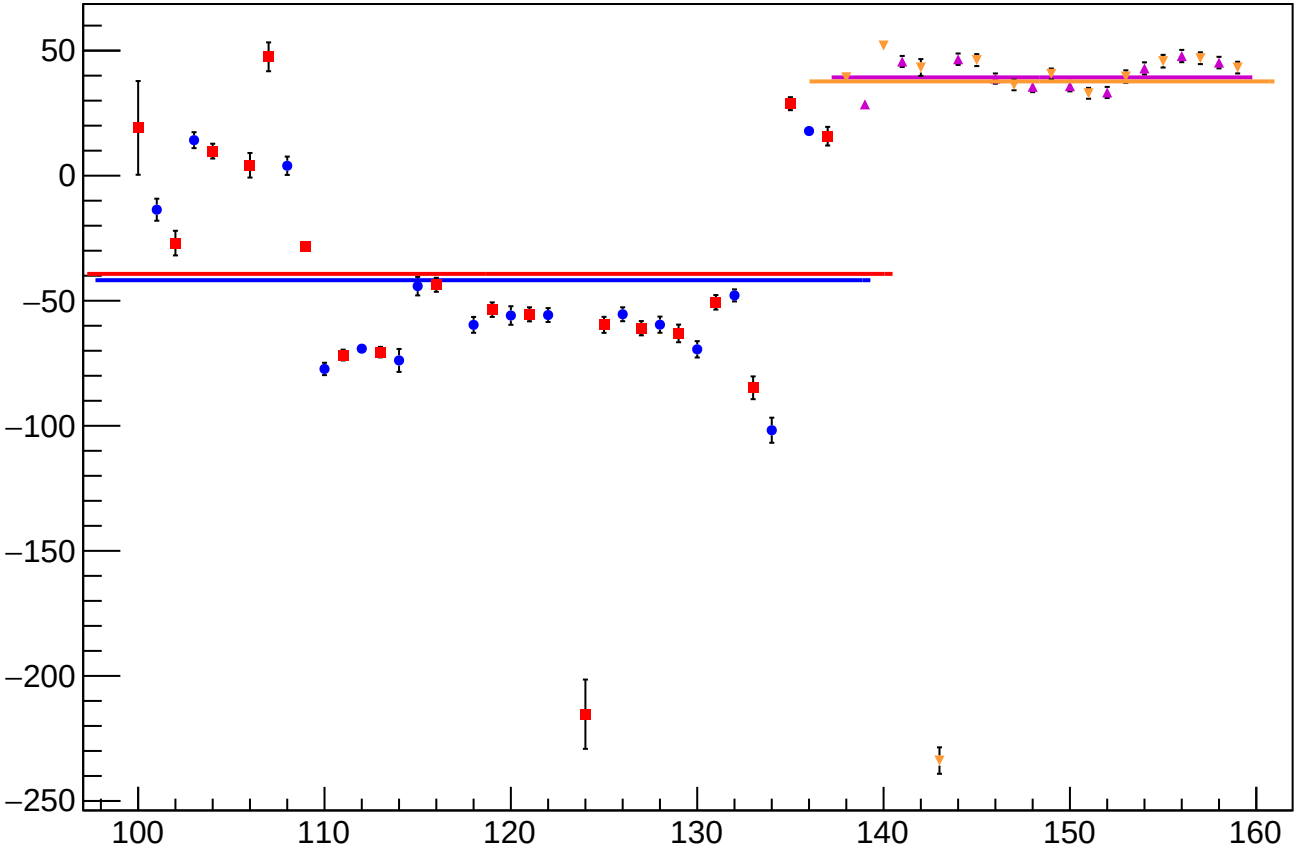
Left In: -275.786+/-0.114 χ^2/NDF:23799.8/9

+ sign -250.036+/-0.086 χ^2/NDF: 378433.9/27

All: -254.103+/-0.062 χ^2/NDF: 550639.7/56

- sign -258.578+/-0.090 χ^2/NDF: 167486.7/28

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

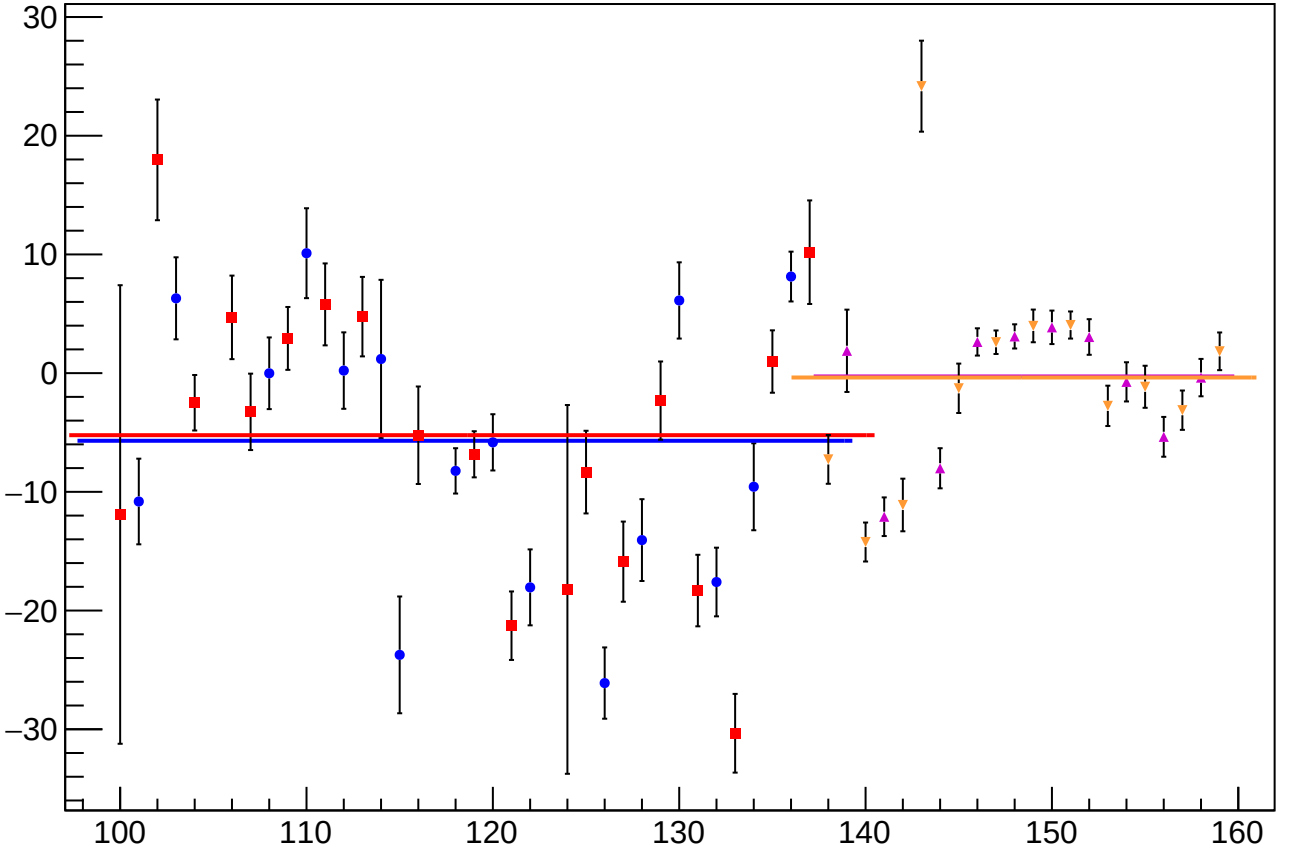
Left In: 39.290+/-0.695 χ^2/NDF:83.7/9

+ sign 0.196+/-0.497 χ^2/NDF: 11529.8/27

All: -0.357+/-0.347 χ^2/NDF: 20620.6/56

- sign -0.887+/-0.486 χ^2/NDF: 9088.3/28

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

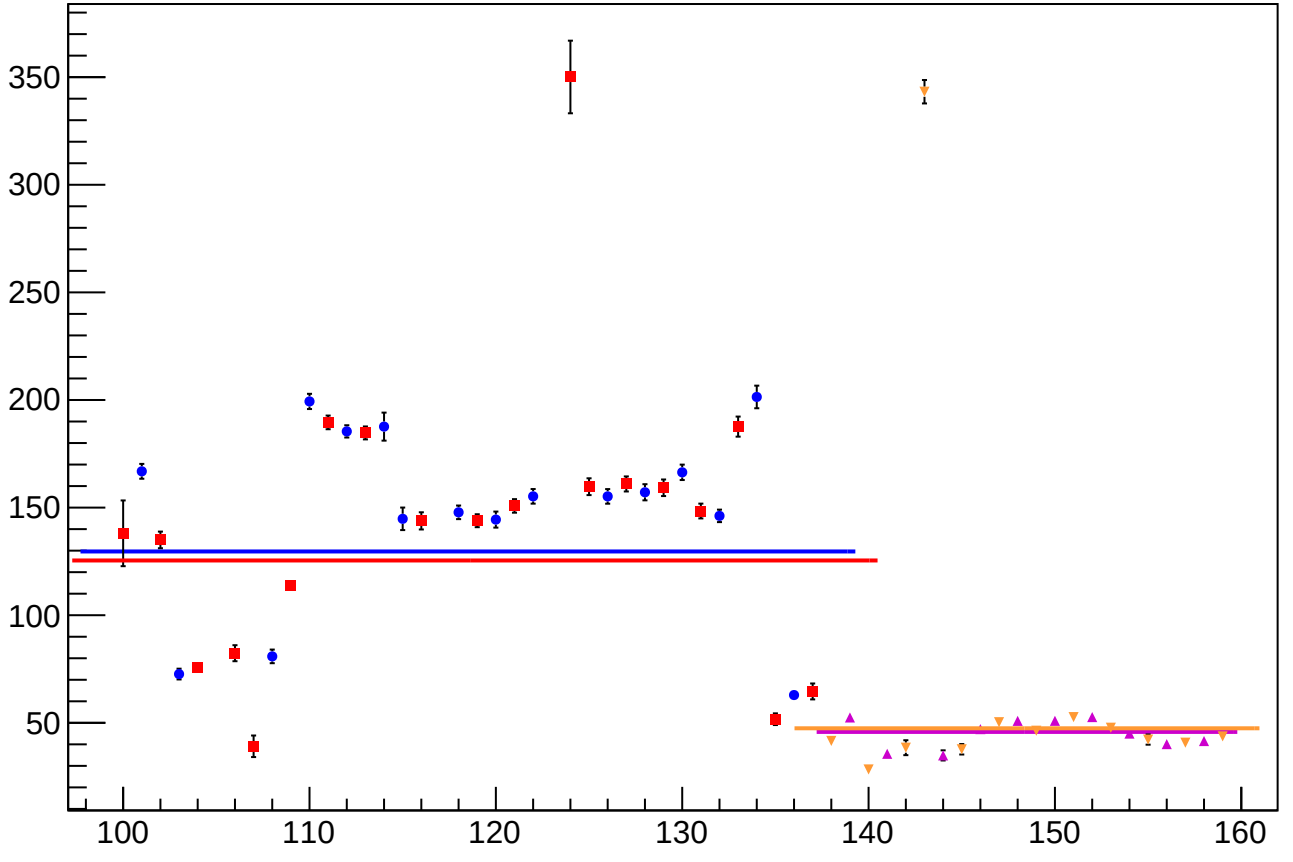
Left In: -0.279+/-0.466 χ^2/NDF:114.2/9

+ sign -1.788+/-0.389 χ^2/NDF: 421.5/27

All: -1.737+/-0.277 χ^2/NDF: 765.1/56

- sign -1.684+/-0.394 χ^2/NDF: 343.6/28

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

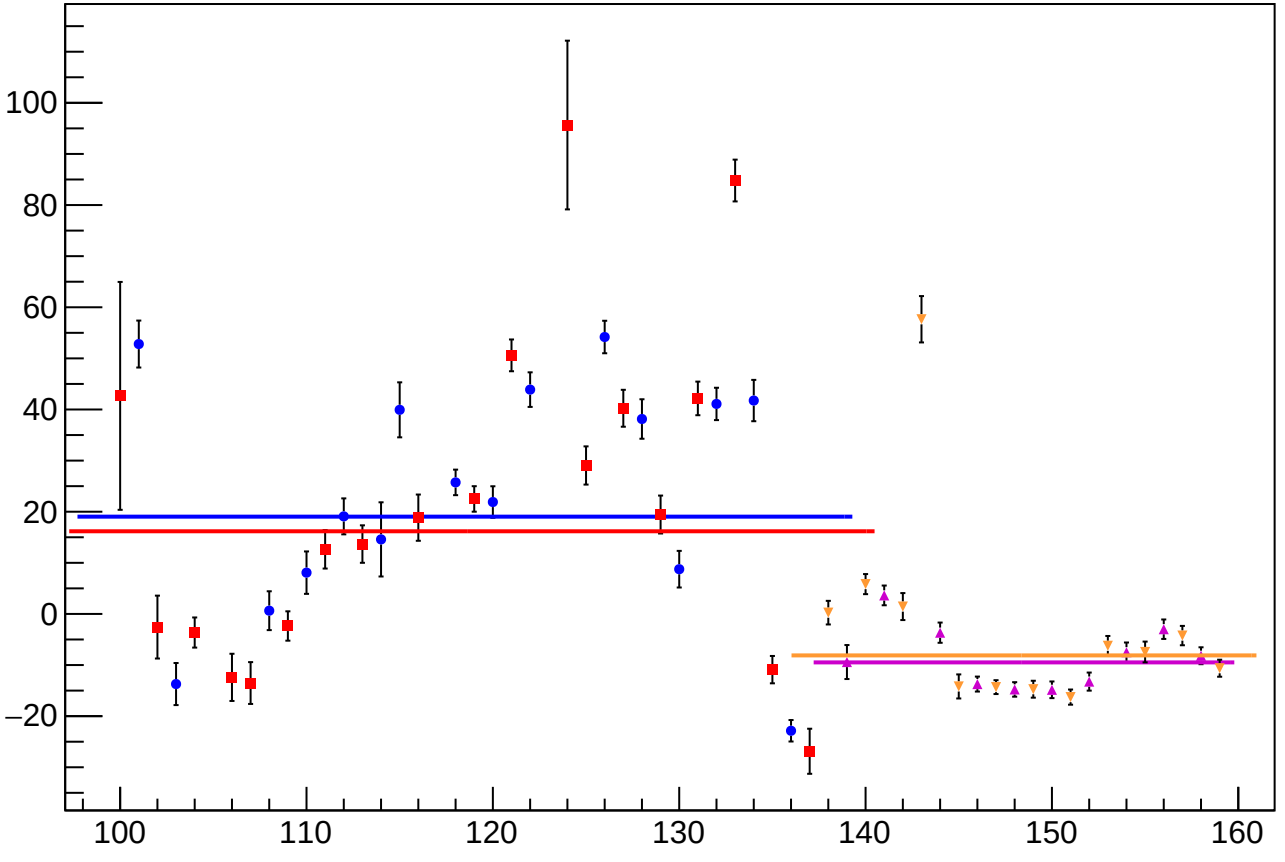
Left In: 45.777+/-0.671 χ^2/NDF:87.4/9

+ sign 80.736+/-0.510 χ^2/NDF: 12993.9/27

All: 79.964+/-0.361 χ^2/NDF: 22495.2/56

- sign 79.185+/-0.511 χ^2/NDF: 9496.7/28

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

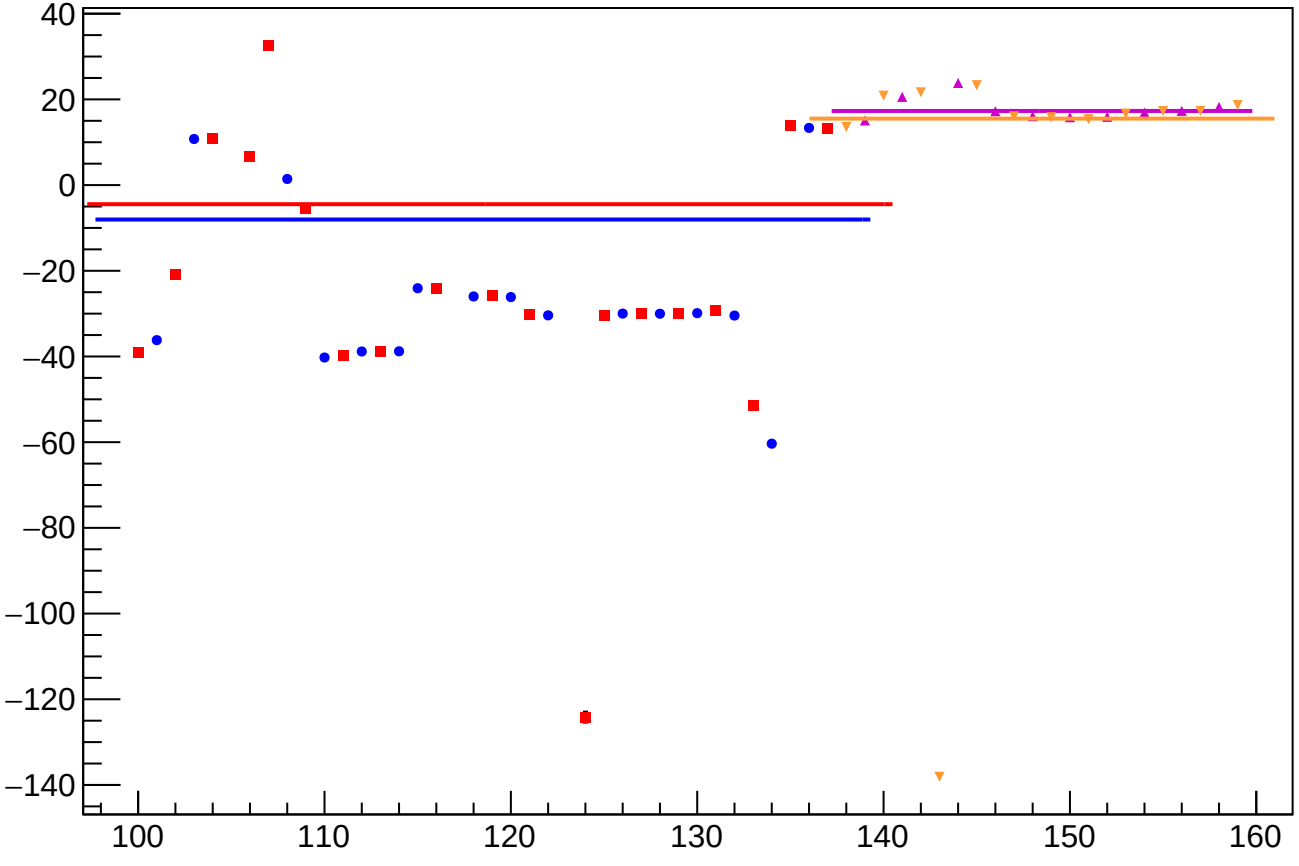
Left In: -9.482+/-0.560 χ^2/NDF:105.7/9

\+ sign -0.279+/-0.462 χ^2/NDF: 1935.5/27

All: -0.967+/-0.328 χ^2/NDF: 3626.6/56

\- sign -1.670+/-0.467 χ^2/NDF: 1686.6/28

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

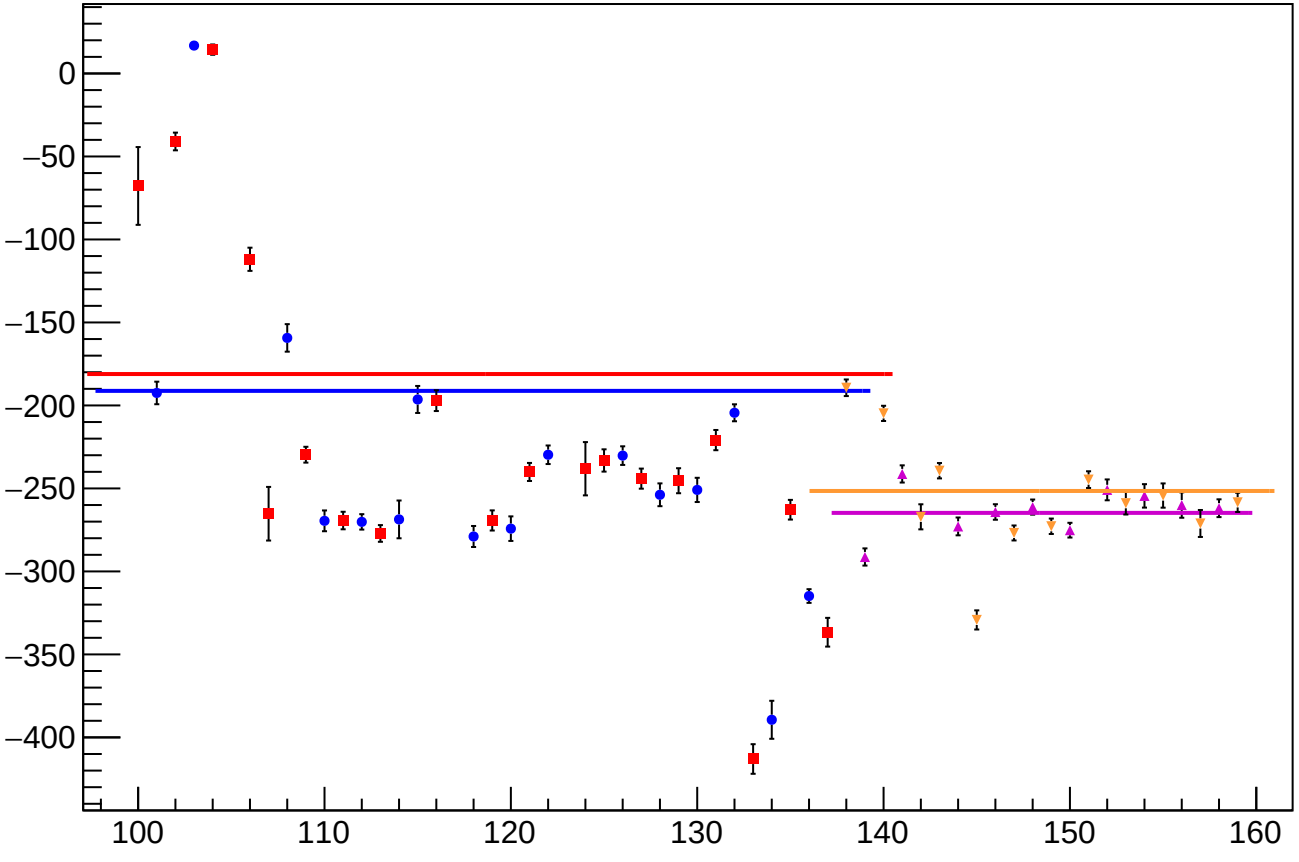
Left In: 17.300+/-0.025 χ^2/NDF:7134.1/9

+ sign 10.052+/-0.022 χ^2/NDF: 946532.7/27

All: 11.212+/-0.016 χ^2/NDF: 1355083.8/56

- sign 12.390+/-0.022 χ^2/NDF: 402983.4/28

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

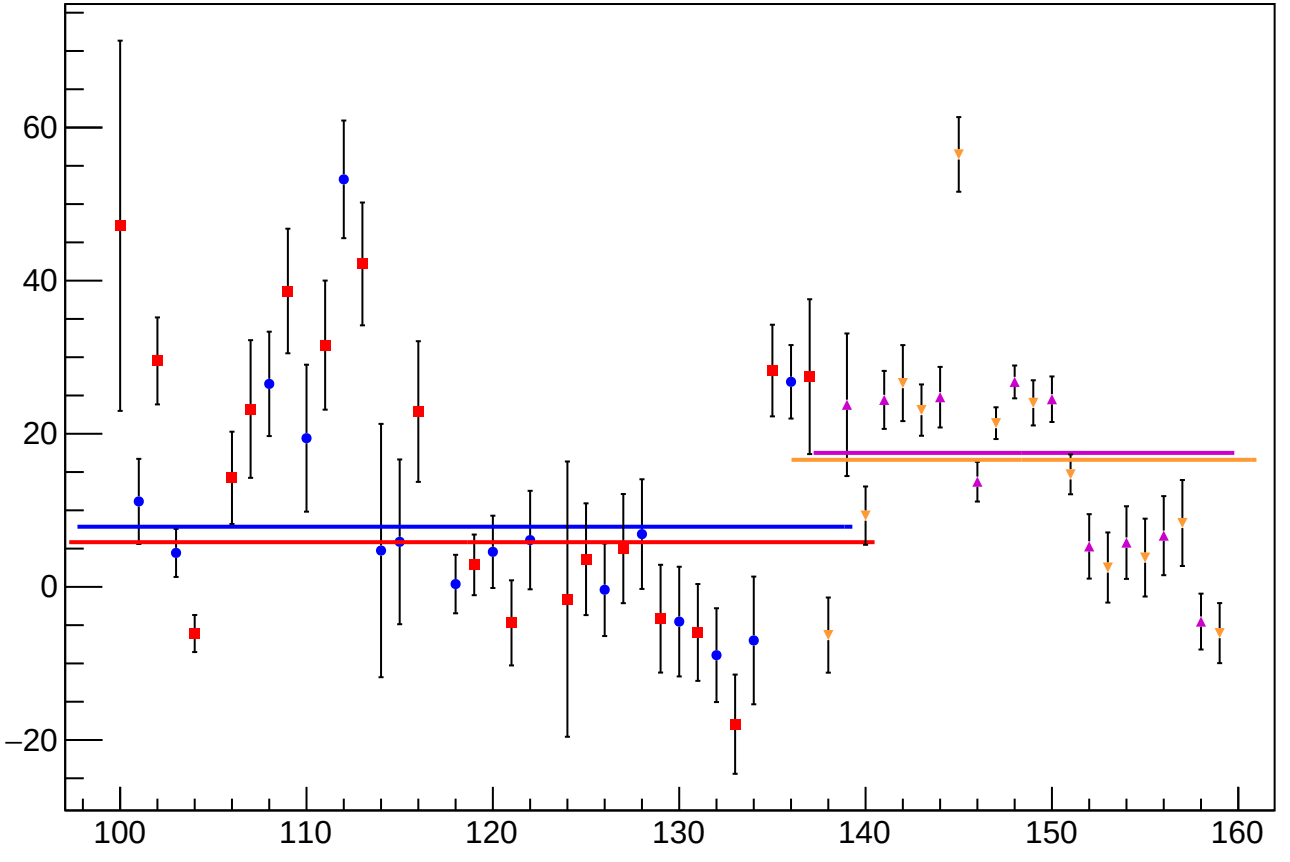
Left In: -264.733+/-1.687 χ^2/NDF:62.8/9

+ sign -218.199+/-1.055 χ^2/NDF: 8547.3/27

All: -216.463+/-0.751 χ^2/NDF: 17460.0/56

- sign -214.678+/-1.069 χ^2/NDF: 8907.3/28

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

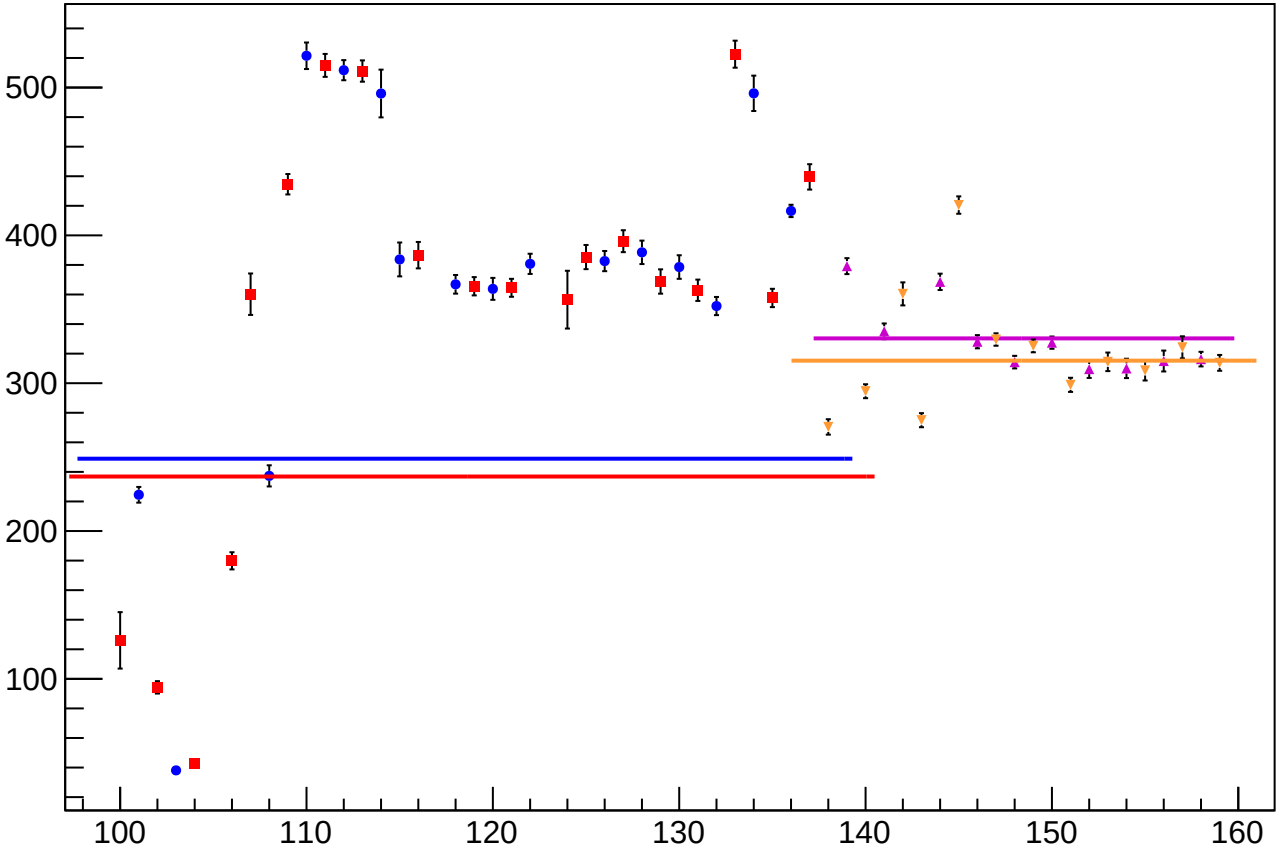
Left In: 17.502+/-1.093 χ^2/NDF:88.9/9

+ sign 13.671+/-0.832 χ^2/NDF: 269.1/27

All: 13.298+/-0.595 χ^2/NDF: 545.2/56

- sign 12.908+/-0.851 χ^2/NDF: 275.6/28

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

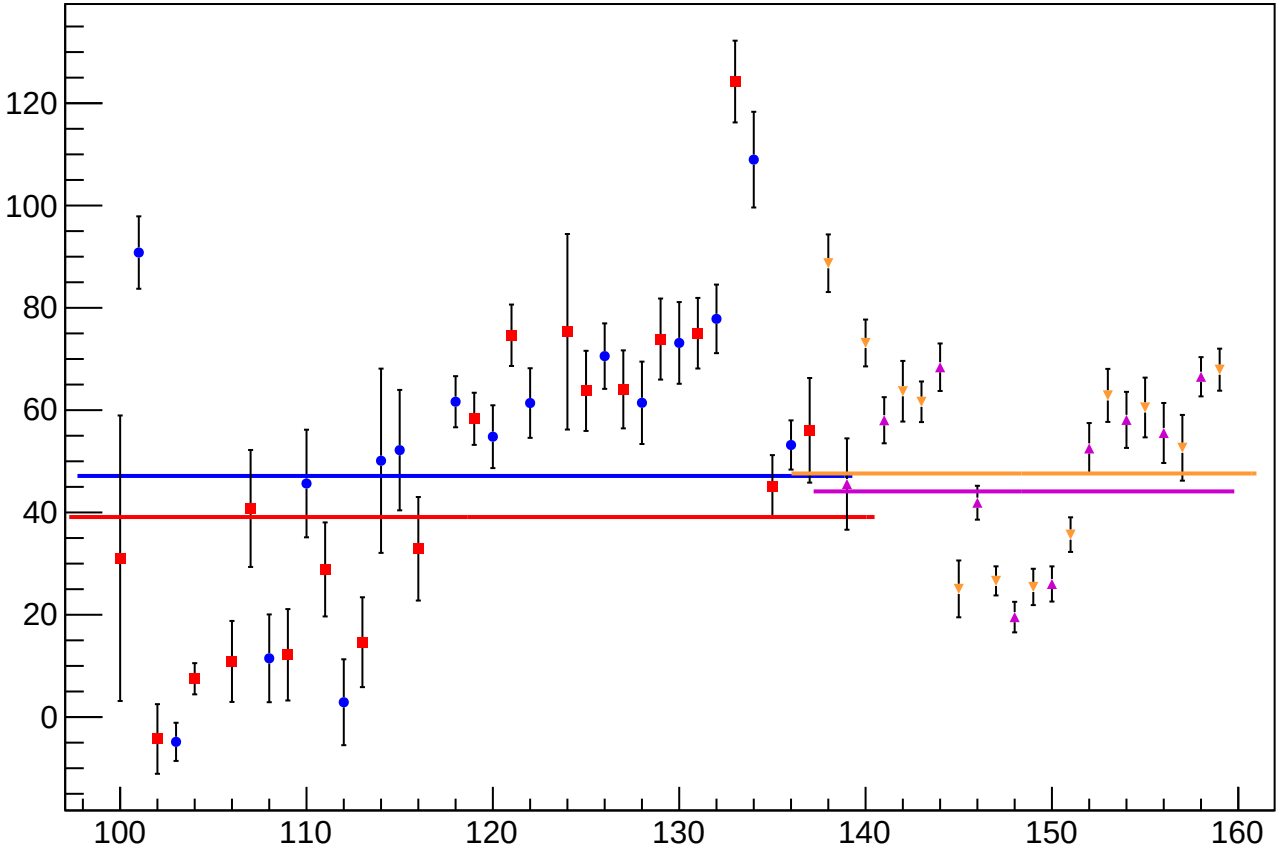
Left In: 330.308+/-1.627 χ^2/NDF:179.9/9

+ sign 279.552+/-1.043 χ^2/NDF: 16856.0/27

All: 278.224+/-0.745 χ^2/NDF: 34583.9/56

- sign 276.842+/-1.064 χ^2/NDF: 17724.7/28

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

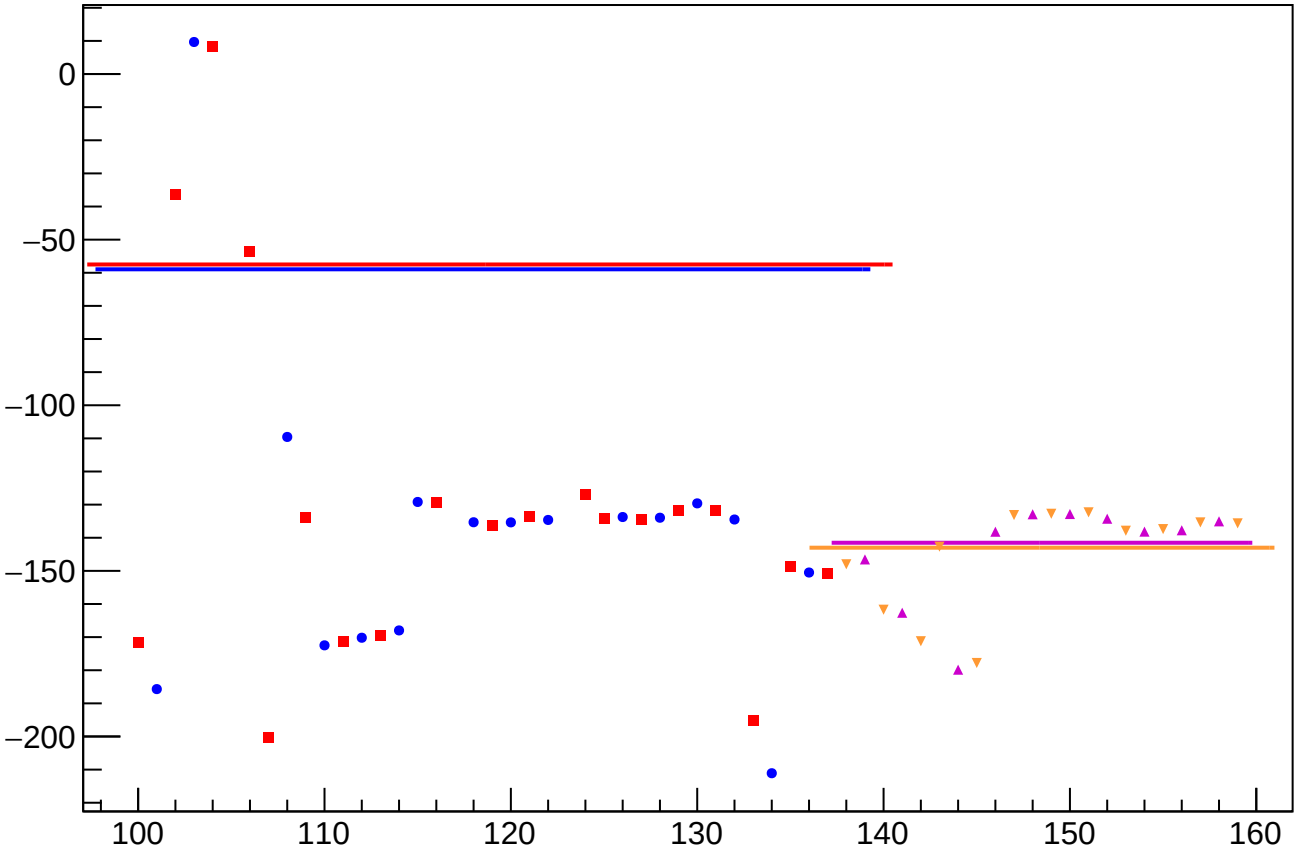
Left In: 44.115+/-1.328 χ^2/NDF:180.0/9

+ sign 47.447+/-0.998 χ^2/NDF: 650.5/27

All: 44.816+/-0.714 χ^2/NDF: 1267.0/56

- sign 42.065+/-1.021 χ^2/NDF: 602.3/28

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

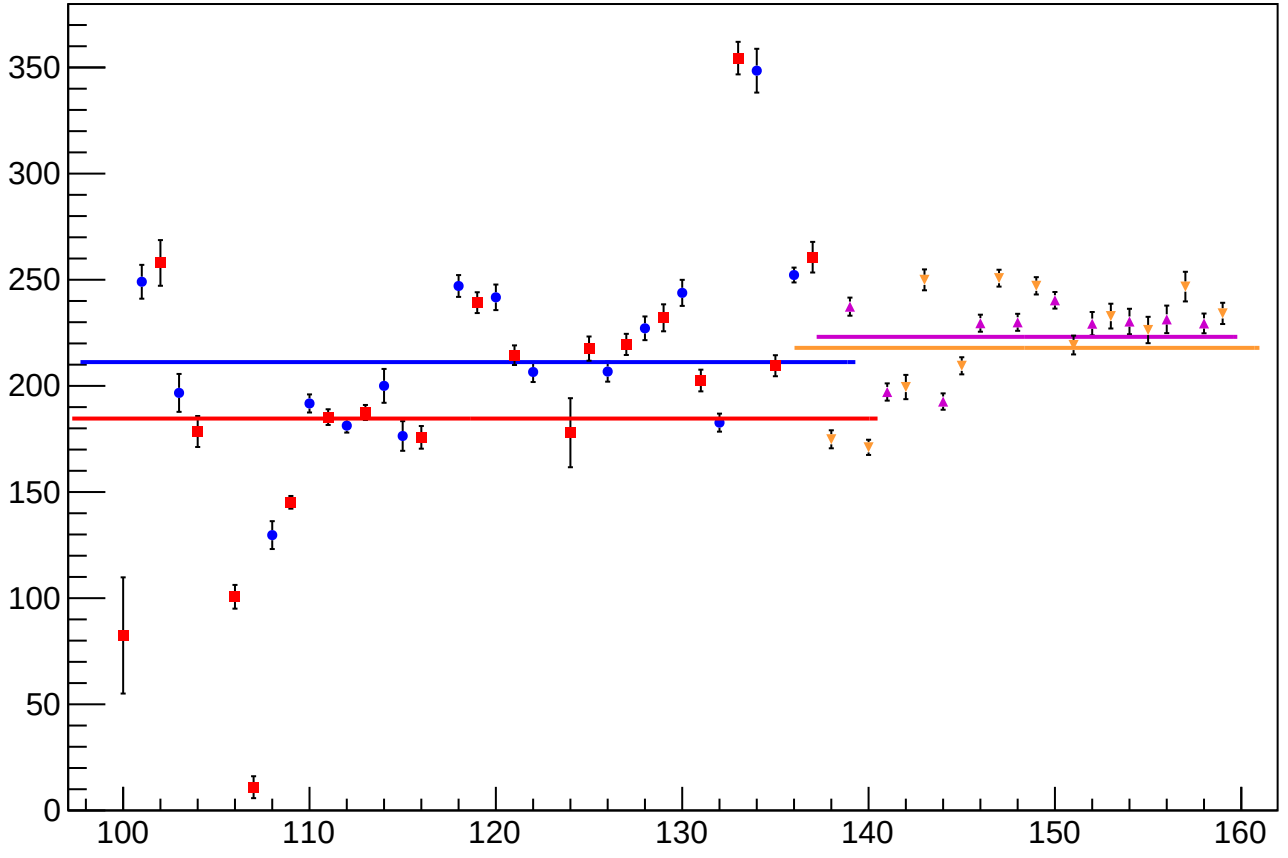
Left In: -141.509+/-0.063 χ^2/NDF:42479.5/9

+ sign -108.450+/-0.047 χ^2/NDF: 2067568.1/27

All: -107.571+/-0.033 χ^2/NDF: 3730772.3/56

- sign -106.642+/-0.048 χ^2/NDF: 1662470.9/28

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

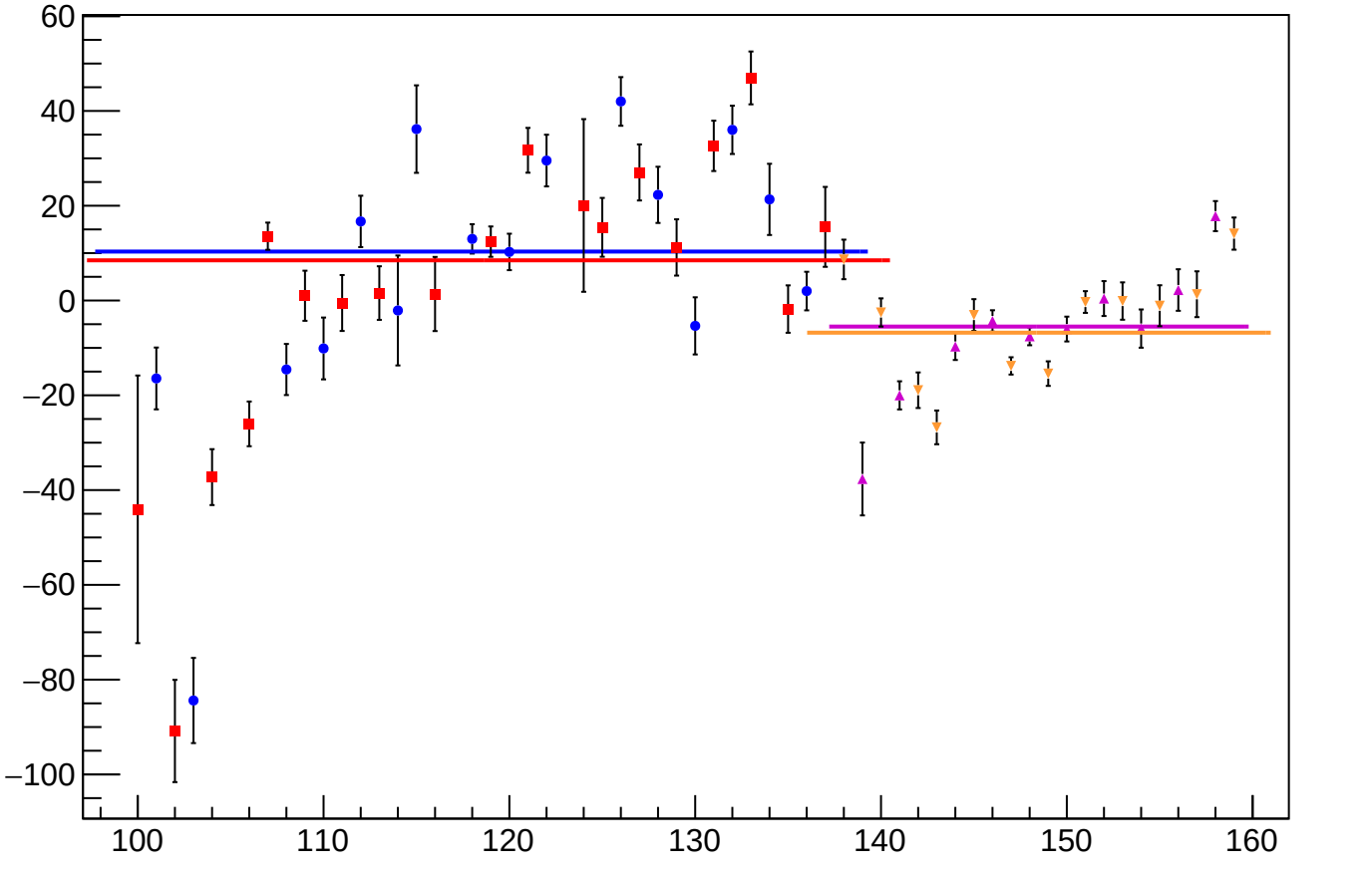
Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 223.105+/-1.409 χ^2/NDF:145.8/9

+ sign 214.448+/-0.931 χ^2/NDF: 1282.7/27

All: 207.421+/-0.651 χ^2/NDF: 4514.7/56

- sign 200.704+/-0.911 χ^2/NDF: 3120.7/28



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

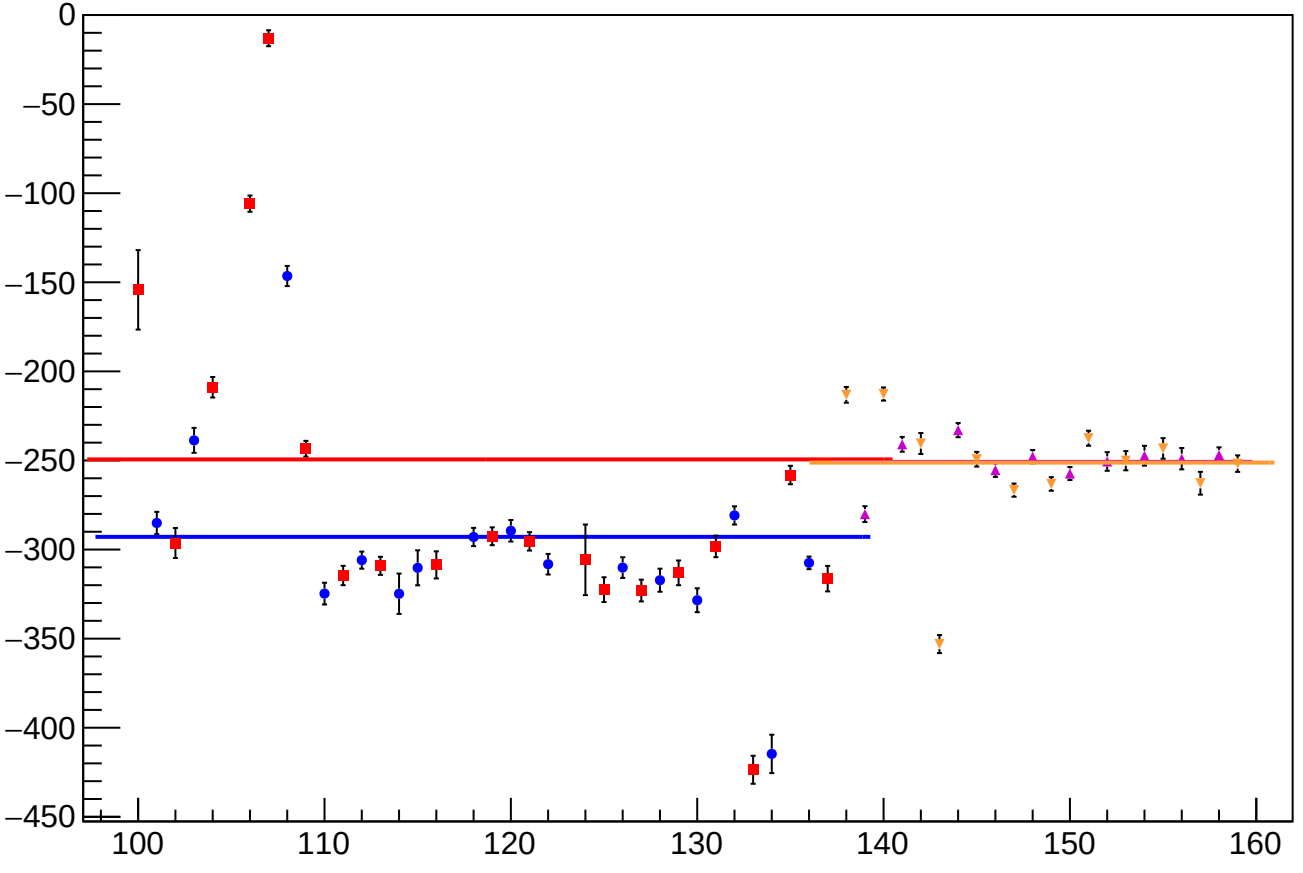
Left In: -5.499+/-0.927 χ^2/NDF:104.9/9

+ sign -1.602+/-0.734 χ^2/NDF: 516.4/27

All: -1.009+/-0.521 χ^2/NDF: 1027.7/56

- sign -0.407+/-0.739 χ^2/NDF: 510.0/28

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

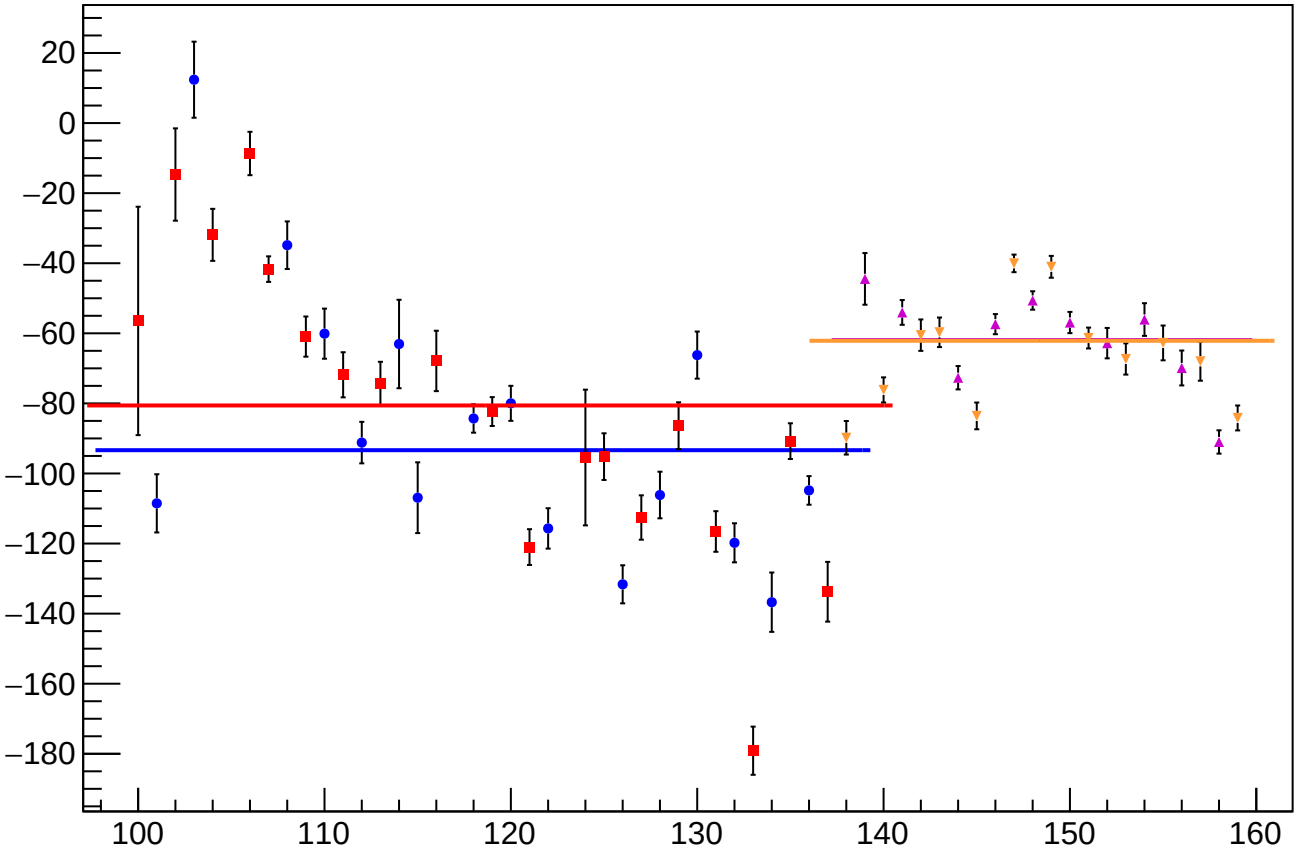
Left In: -250.799+/-1.365 χ^2/NDF:76.0/9

+ sign -269.651+/-0.977 χ^2/NDF: 2066.9/27

All: -259.776+/-0.687 χ^2/NDF: 7714.2/56

- sign -250.105+/-0.966 χ^2/NDF: 5444.9/28

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

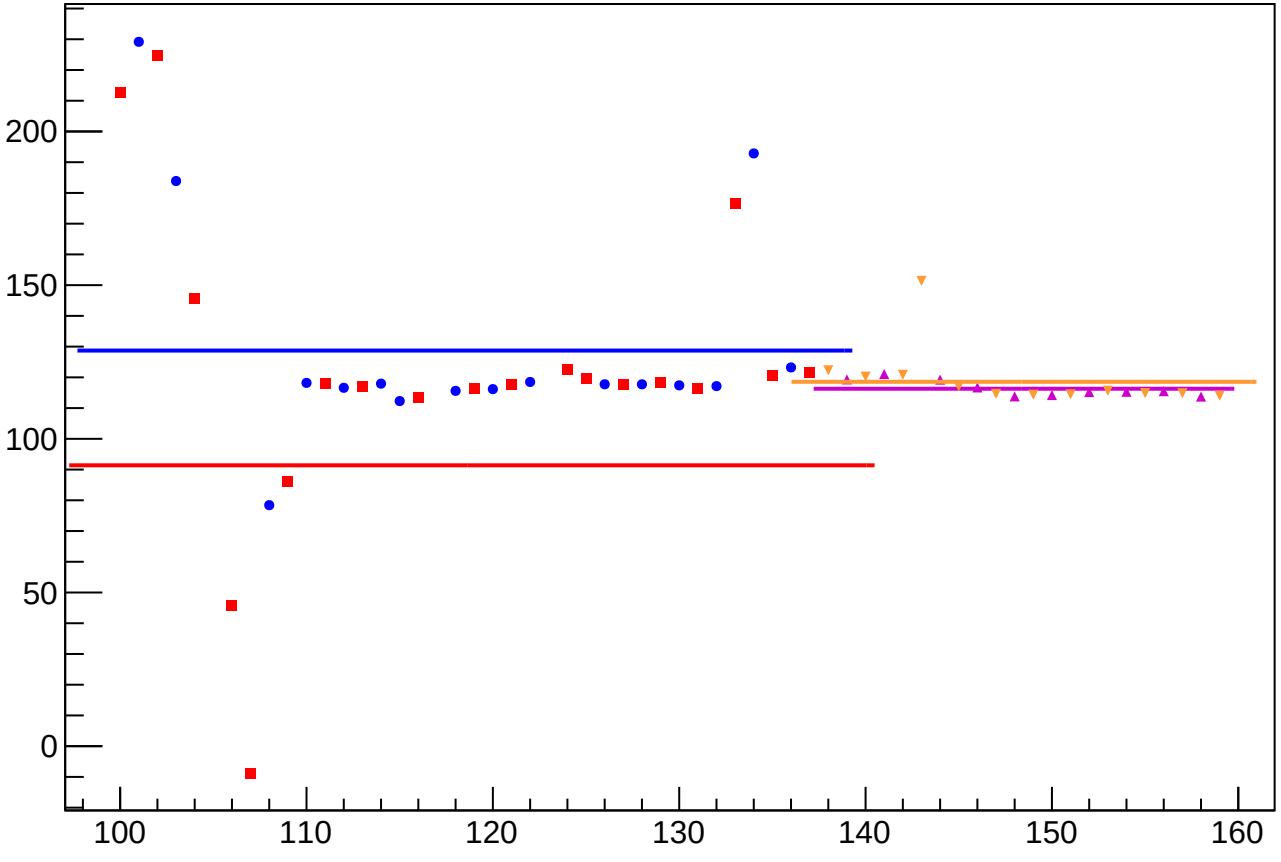
Left In: -61.924+/-1.123 χ^2/NDF:125.1/9

+ sign -72.346+/-0.878 χ^2/NDF: 879.2/27

All: -70.721+/-0.622 χ^2/NDF: 1832.6/56

- sign -69.080+/-0.882 χ^2/NDF: 946.4/28

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

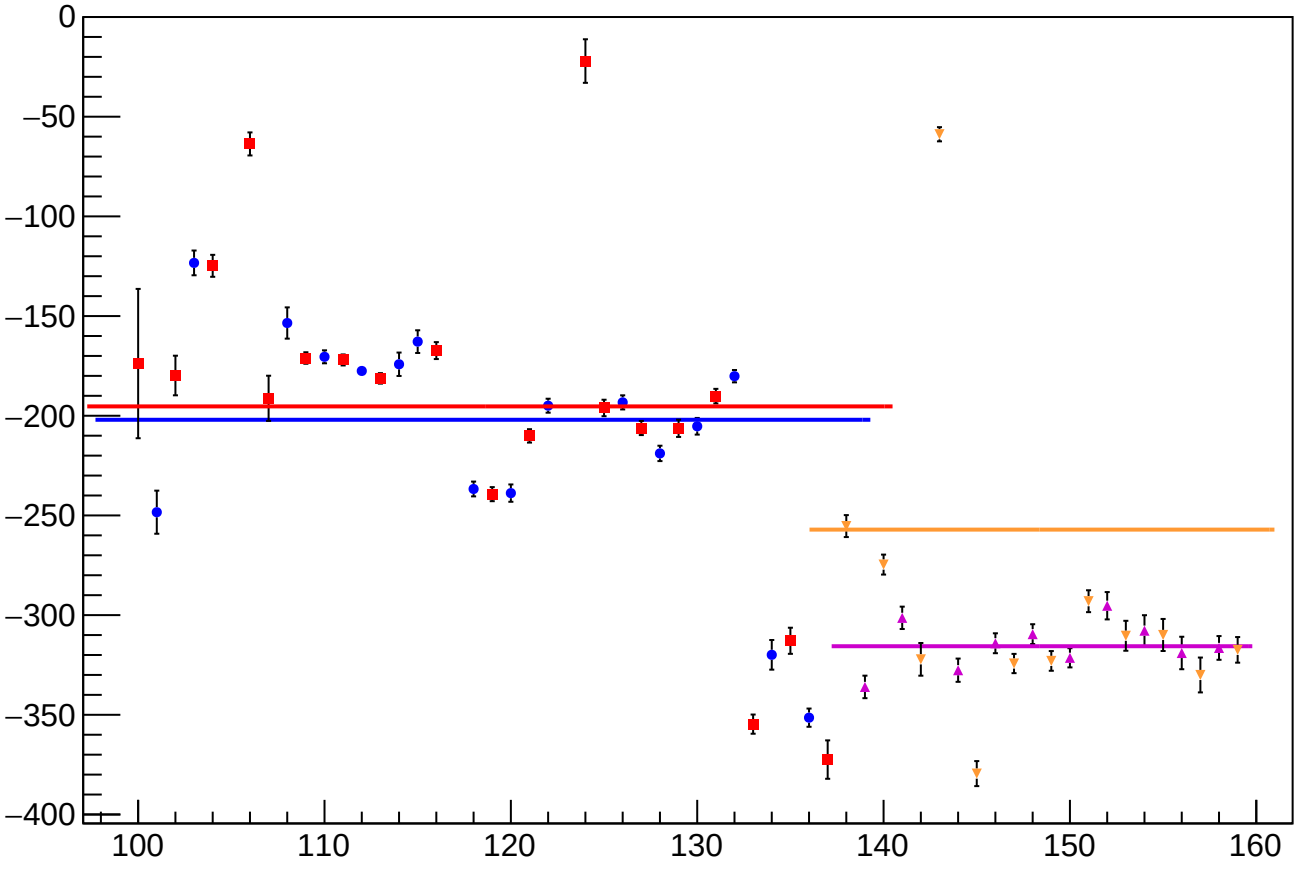
Left In: 116.299+/-0.053 χ^2/NDF:2268.3/9

+ sign 121.113+/-0.045 χ^2/NDF: 221706.7/27

All: 114.751+/-0.031 χ^2/NDF: 937336.0/56

- sign 108.633+/-0.044 χ^2/NDF: 675928.6/28

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

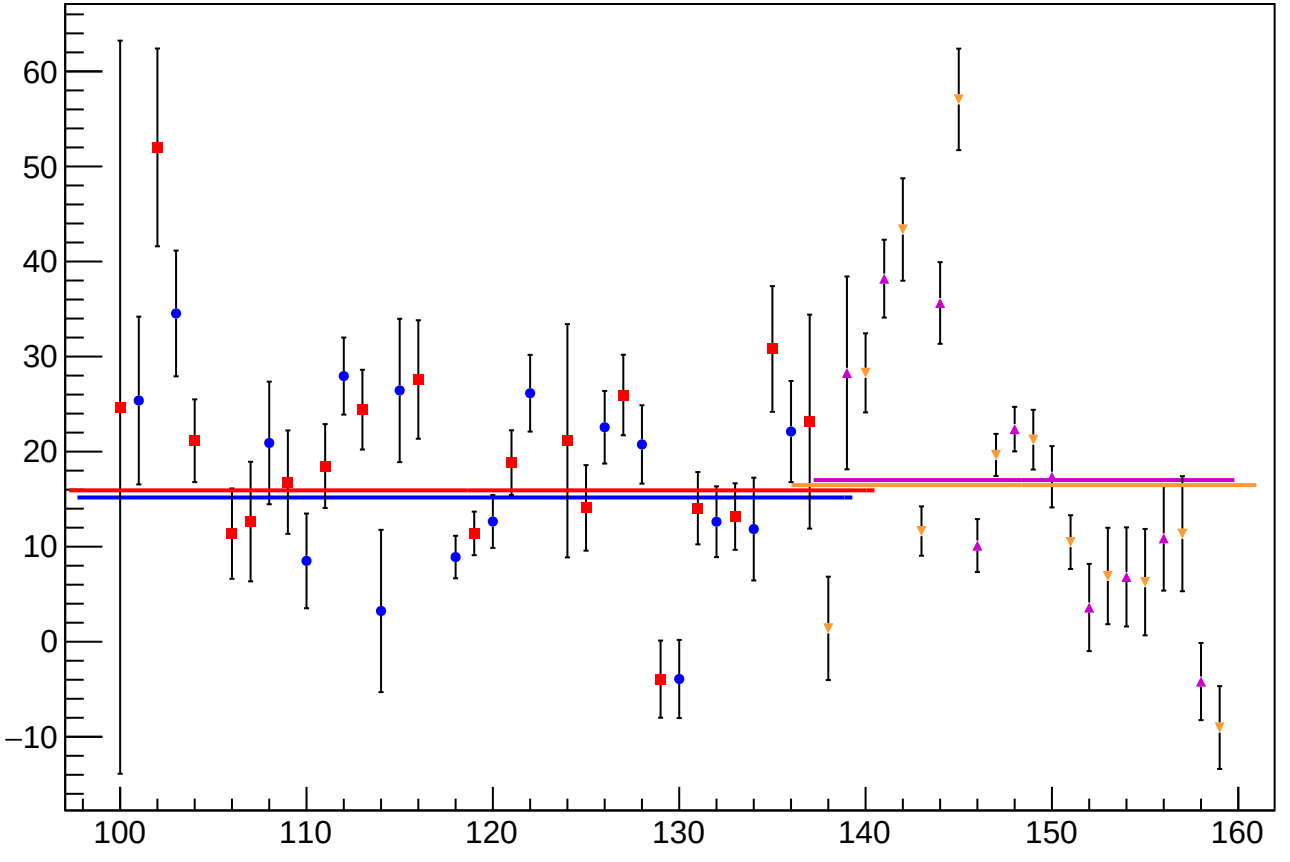
Left In: -315.604+/-1.834 χ^2/NDF:36.8/9

+ sign -217.706+/-0.866 χ^2/NDF: 7090.8/27

All: -219.759+/-0.610 χ^2/NDF: 13595.6/56

- sign -221.784+/-0.860 χ^2/NDF: 6493.7/28

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

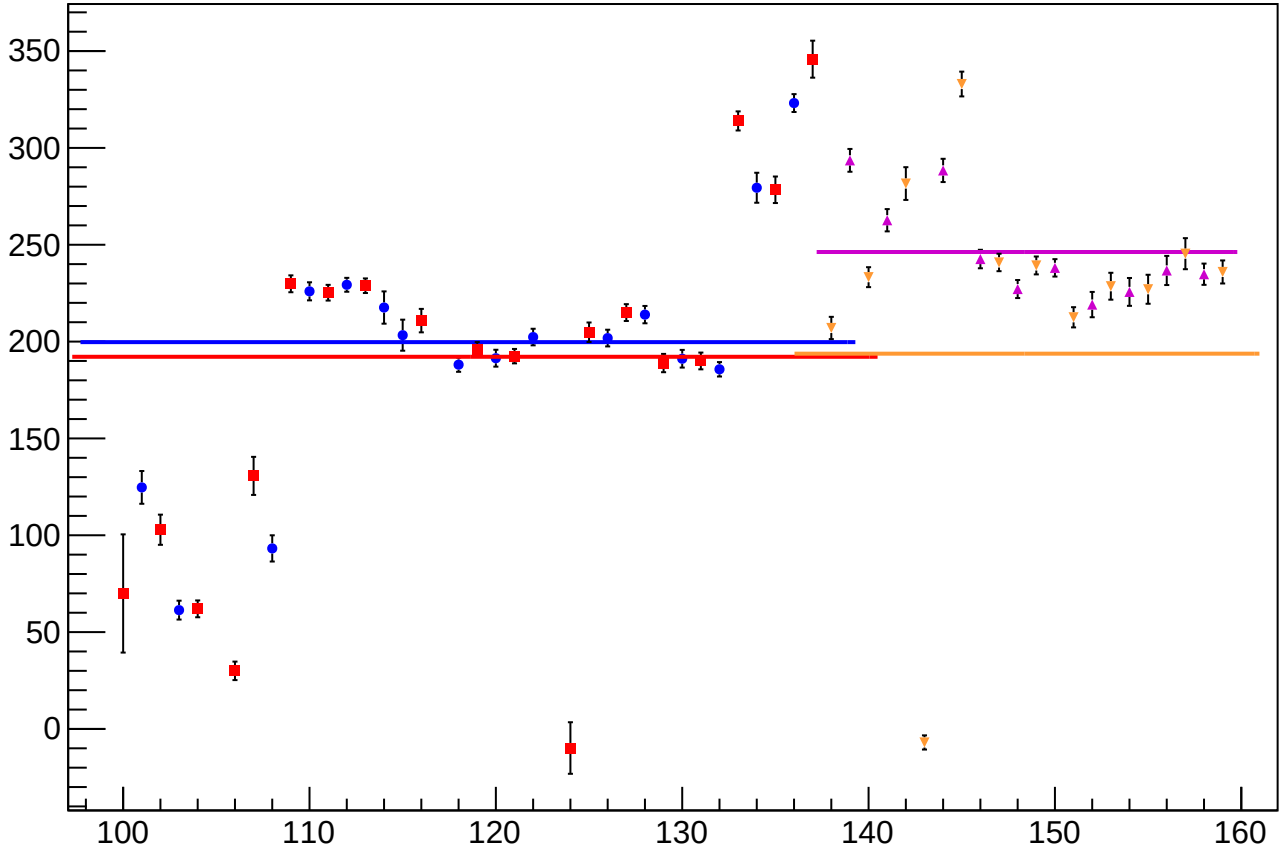
Left In: 17.007+/-1.188 χ^2/NDF:99.1/9

+ sign 15.820+/-0.745 χ^2/NDF: 225.8/27

All: 16.093+/-0.539 χ^2/NDF: 389.1/56

- sign 16.393+/-0.781 χ^2/NDF: 163.1/28

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

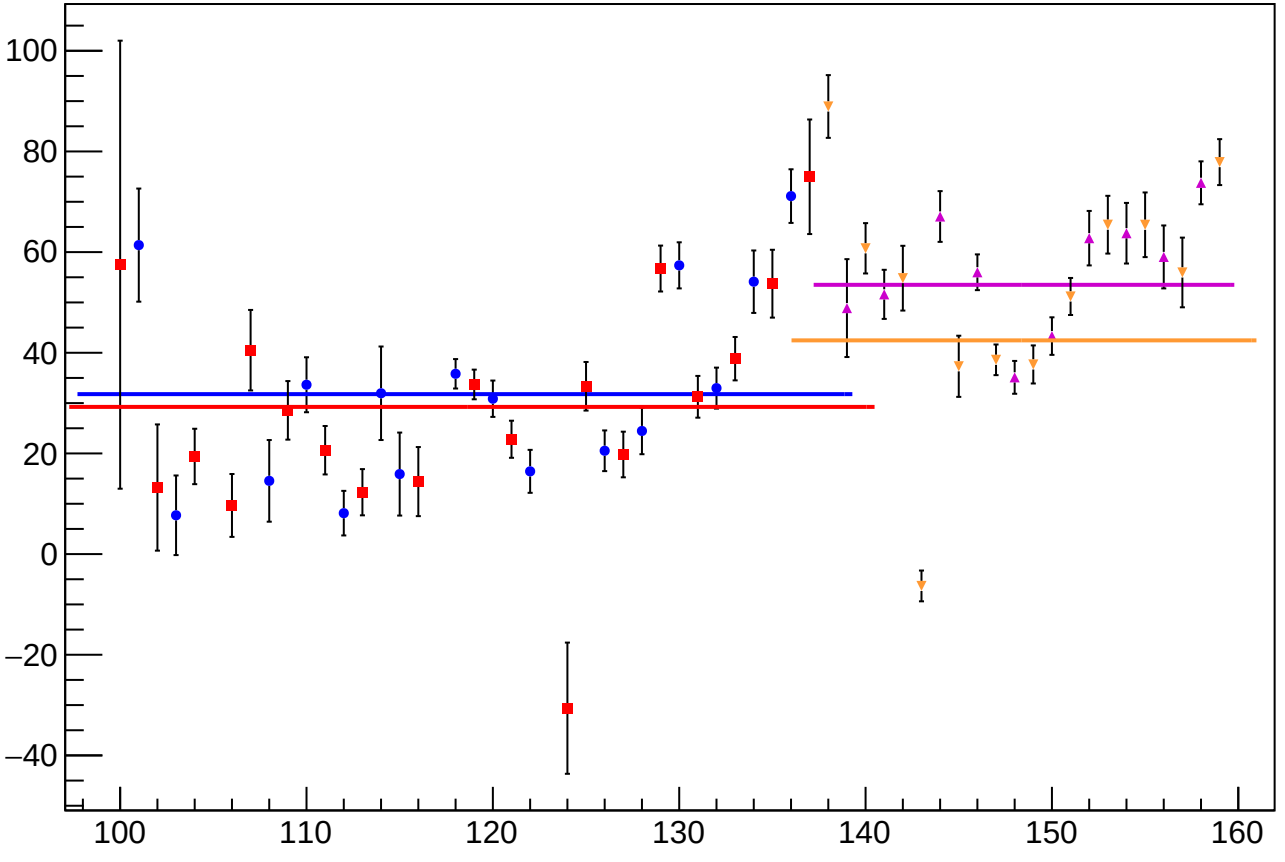
Left In: 246.257+/-1.768 χ^2/NDF:174.1/9

+ sign 197.565+/-0.955 χ^2/NDF: 6121.0/27

All: 202.855+/-0.679 χ^2/NDF: 10791.7/56

- sign 208.245+/-0.964 χ^2/NDF: 4608.9/28

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

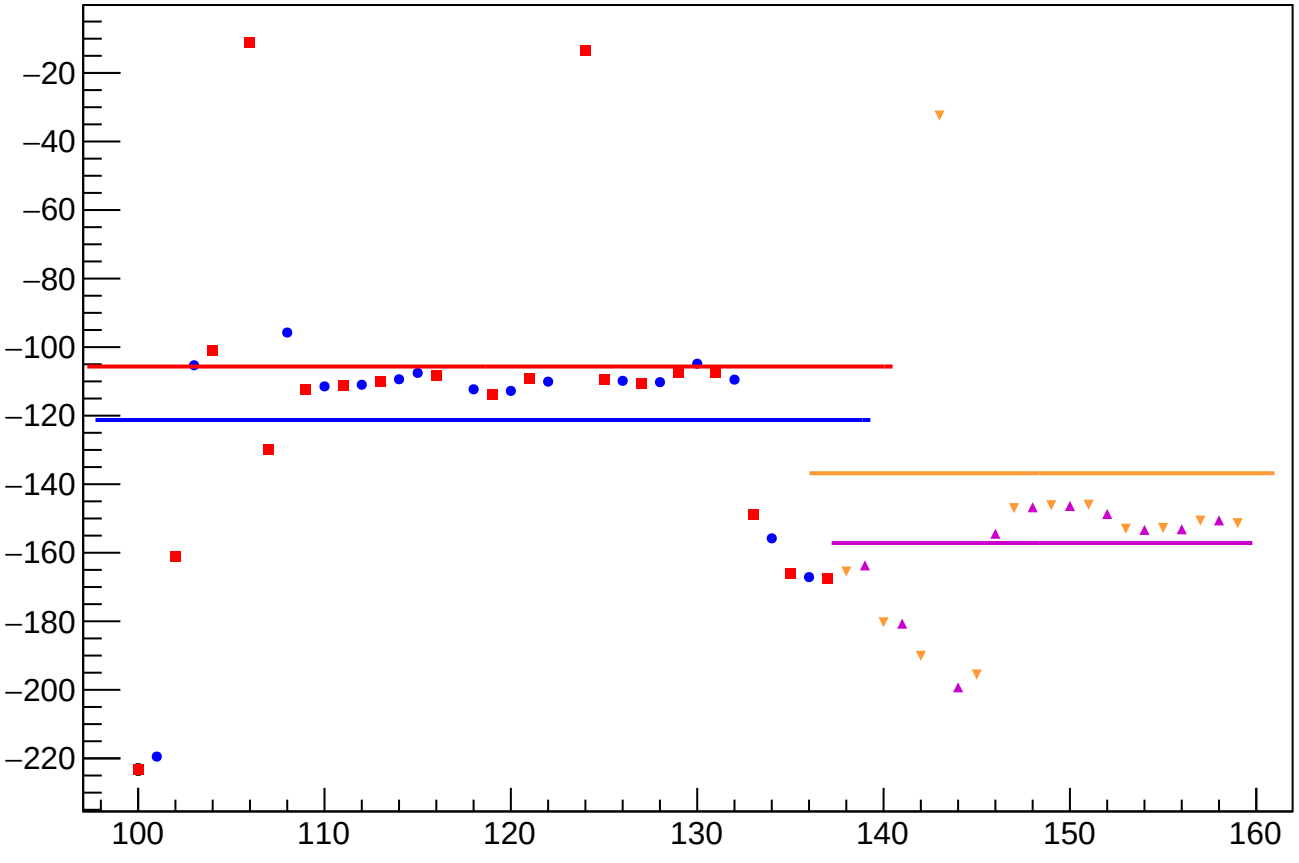
Left In: 53.500+/-1.444 χ^2/NDF:76.5/9

+ sign 36.801+/-0.886 χ^2/NDF: 642.7/27

All: 37.913+/-0.639 χ^2/NDF: 1030.7/56

- sign 39.116+/-0.921 χ^2/NDF: 384.6/28

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

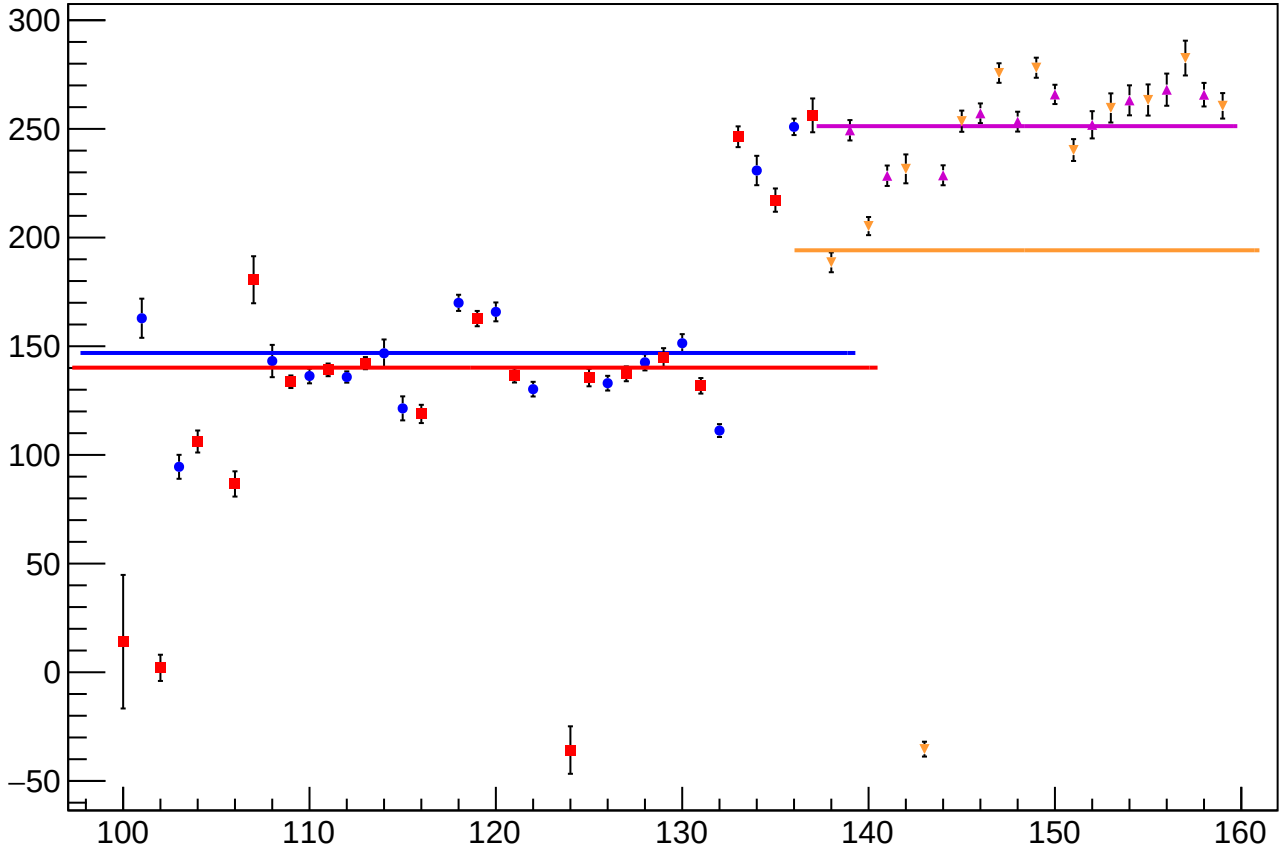
Left In: -157.162+/-0.068 χ^2/NDF:45133.4/9

+ sign -130.773+/-0.049 χ^2/NDF: 766571.9/27

All: -132.261+/-0.035 χ^2/NDF: 1428425.3/56

- sign -133.808+/-0.050 χ^2/NDF: 659998.0/28

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

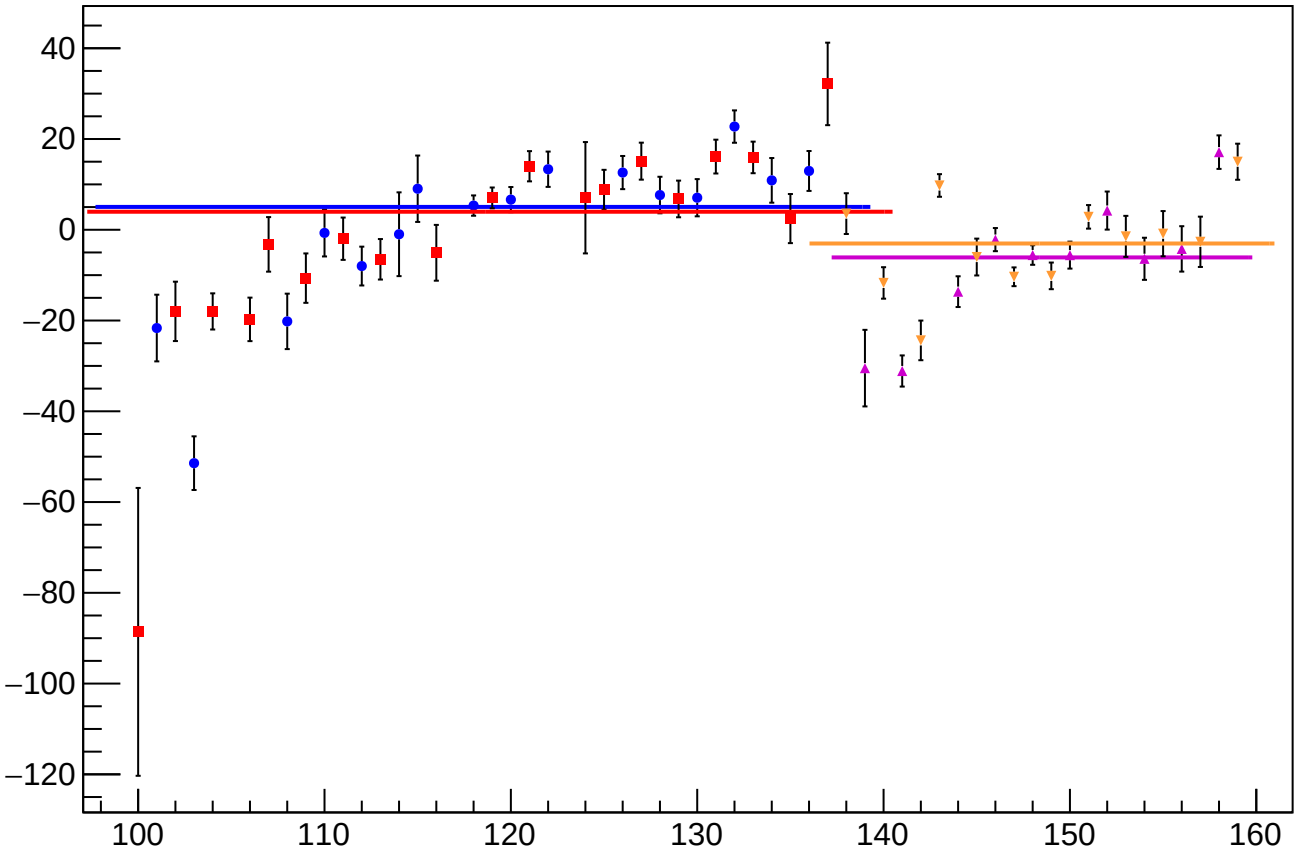
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 251.260+/-1.613 χ^2/NDF:76.0/9

+ sign 162.258+/-0.824 χ^2/NDF: 7901.0/27

All: 165.735+/-0.583 χ^2/NDF: 13466.8/56

- sign 169.217+/-0.825 χ^2/NDF: 5530.2/28



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

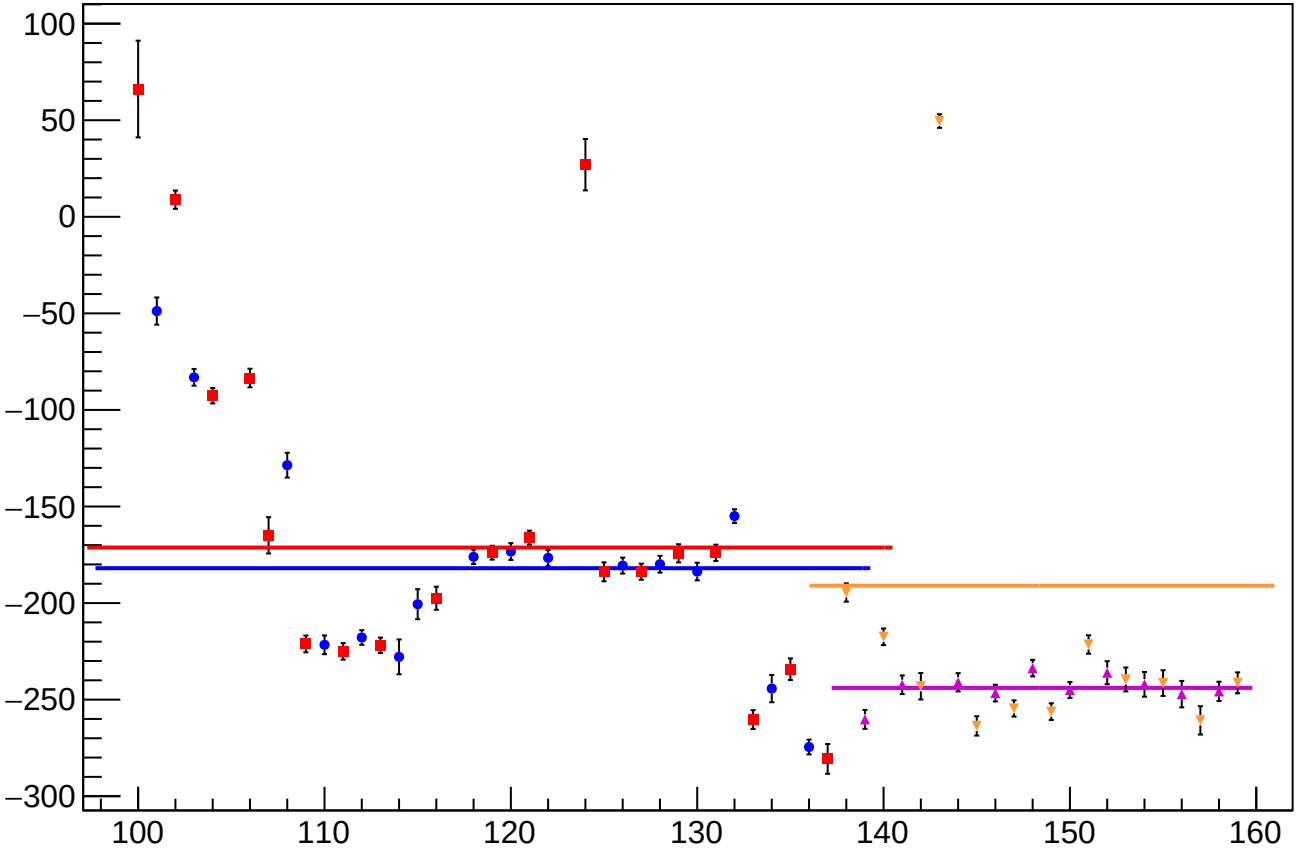
Left In: -6.094+/-1.063 χ^2/NDF:114.5/9

+ sign 0.749+/-0.699 χ^2/NDF: 308.7/27

All: 0.005+/-0.506 χ^2/NDF: 617.5/56

- sign -0.814+/-0.733 χ^2/NDF: 306.5/28

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

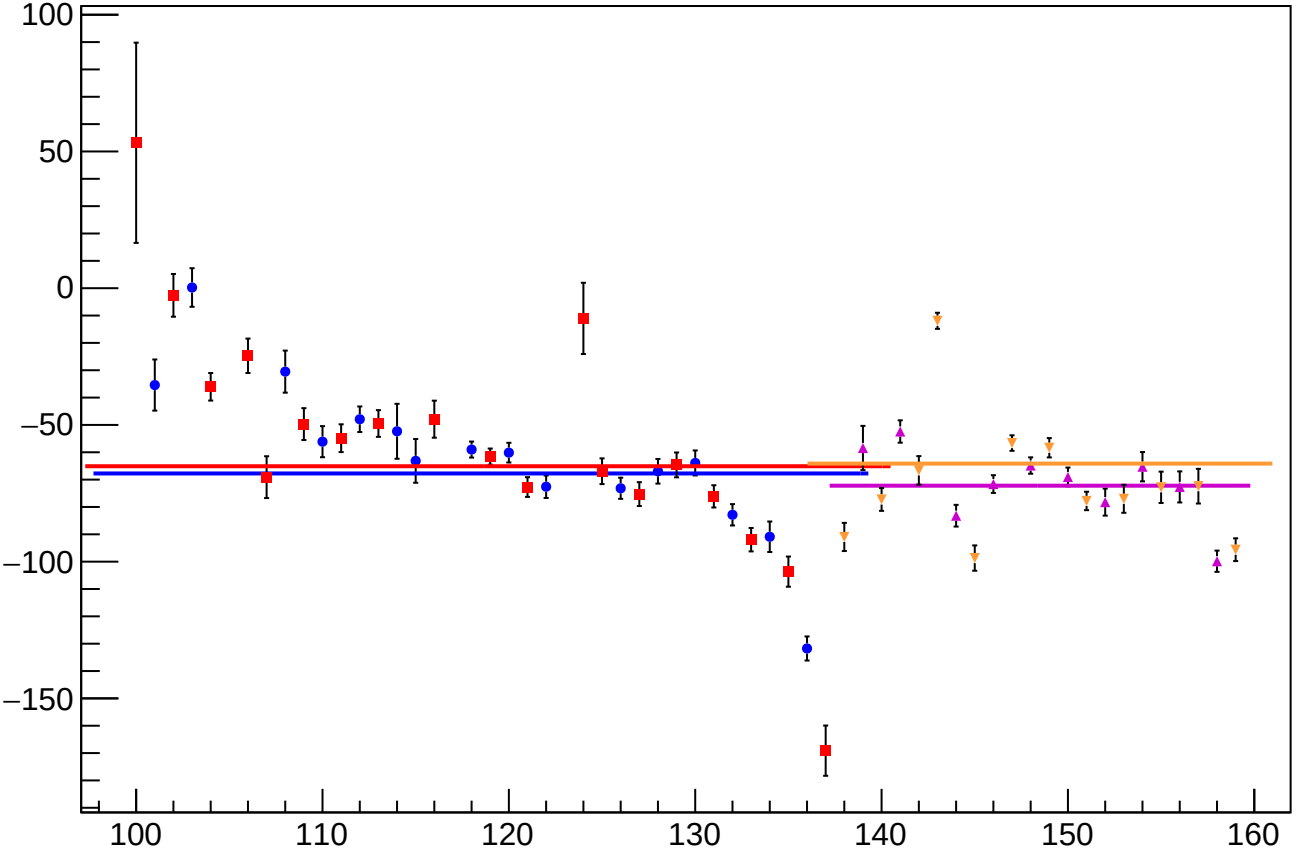
Left In: -243.931+/-1.563 χ^2/NDF:20.0/9

+ sign -185.557+/-0.895 χ^2/NDF: 7676.3/27

All: -190.554+/-0.637 χ^2/NDF: 12823.8/56

- sign -195.664+/-0.906 χ^2/NDF: 5084.6/28

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

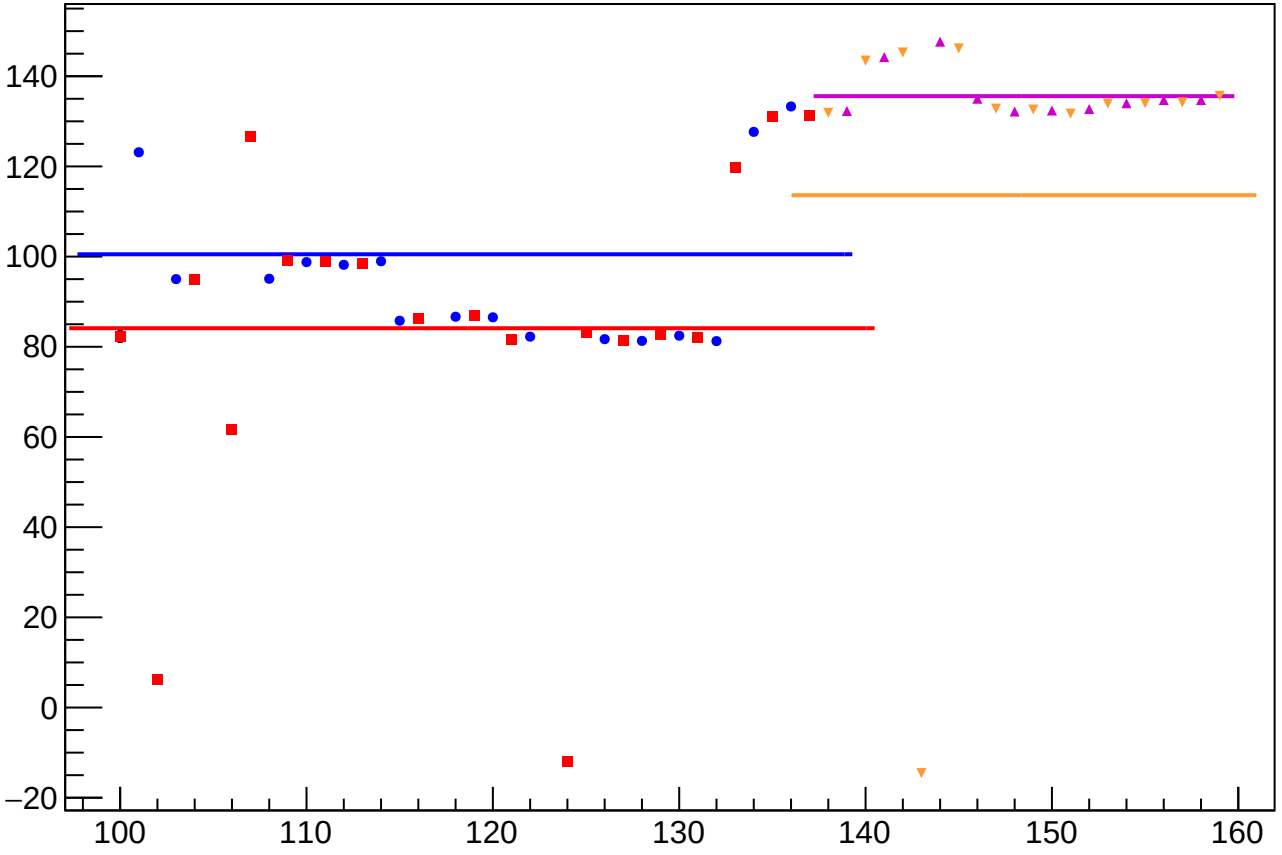
Left In: -72.218+/-1.288 χ^2/NDF:94.7/9

+ sign -65.920+/-0.829 χ^2/NDF: 920.7/27

All: -67.065+/-0.598 χ^2/NDF: 1465.2/56

- sign -68.310+/-0.865 χ^2/NDF: 540.5/28

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

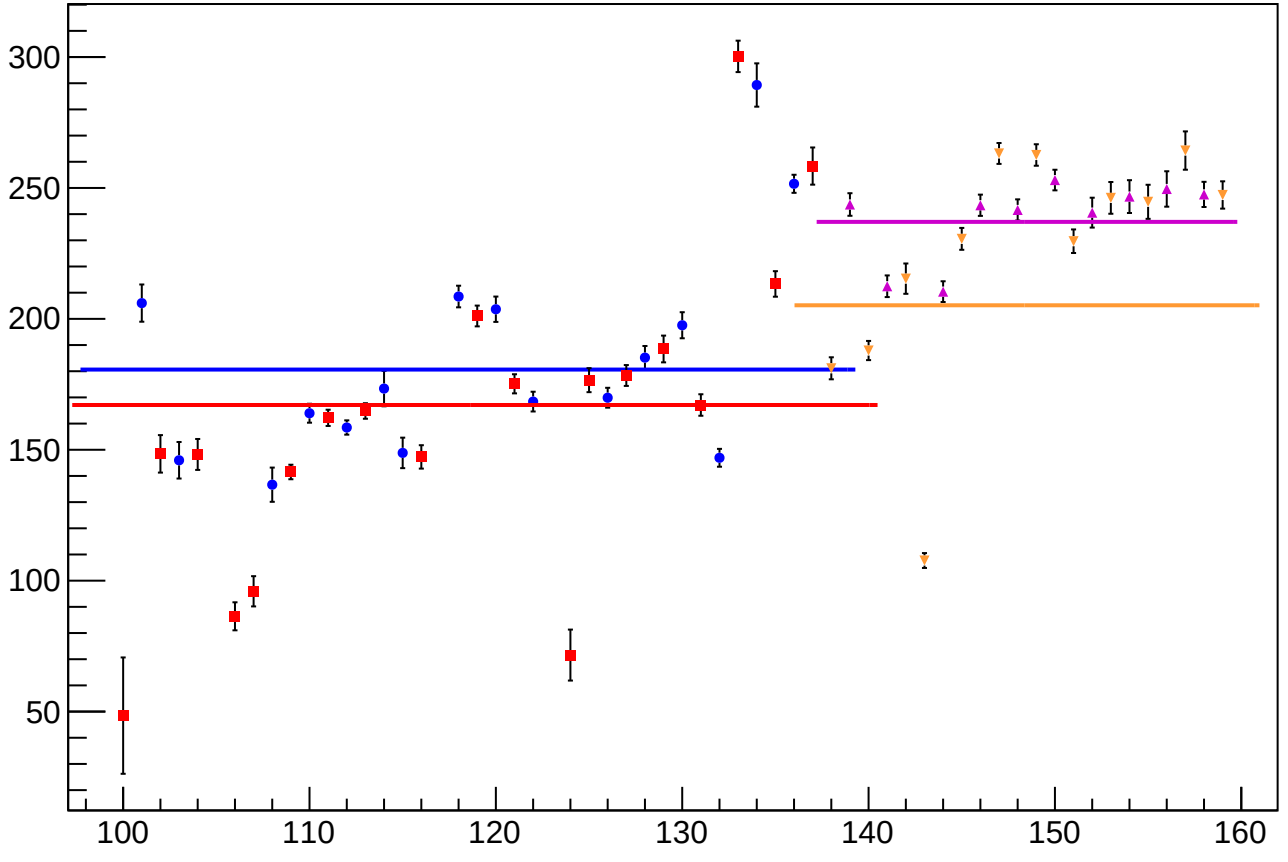
Left In: 135.585+/-0.060 χ^2/NDF:6571.0/9

+ sign 108.803+/-0.045 χ^2/NDF: 1000557.9/27

All: 111.063+/-0.032 χ^2/NDF: 1590600.7/56

- sign 113.386+/-0.045 χ^2/NDF: 584891.7/28

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

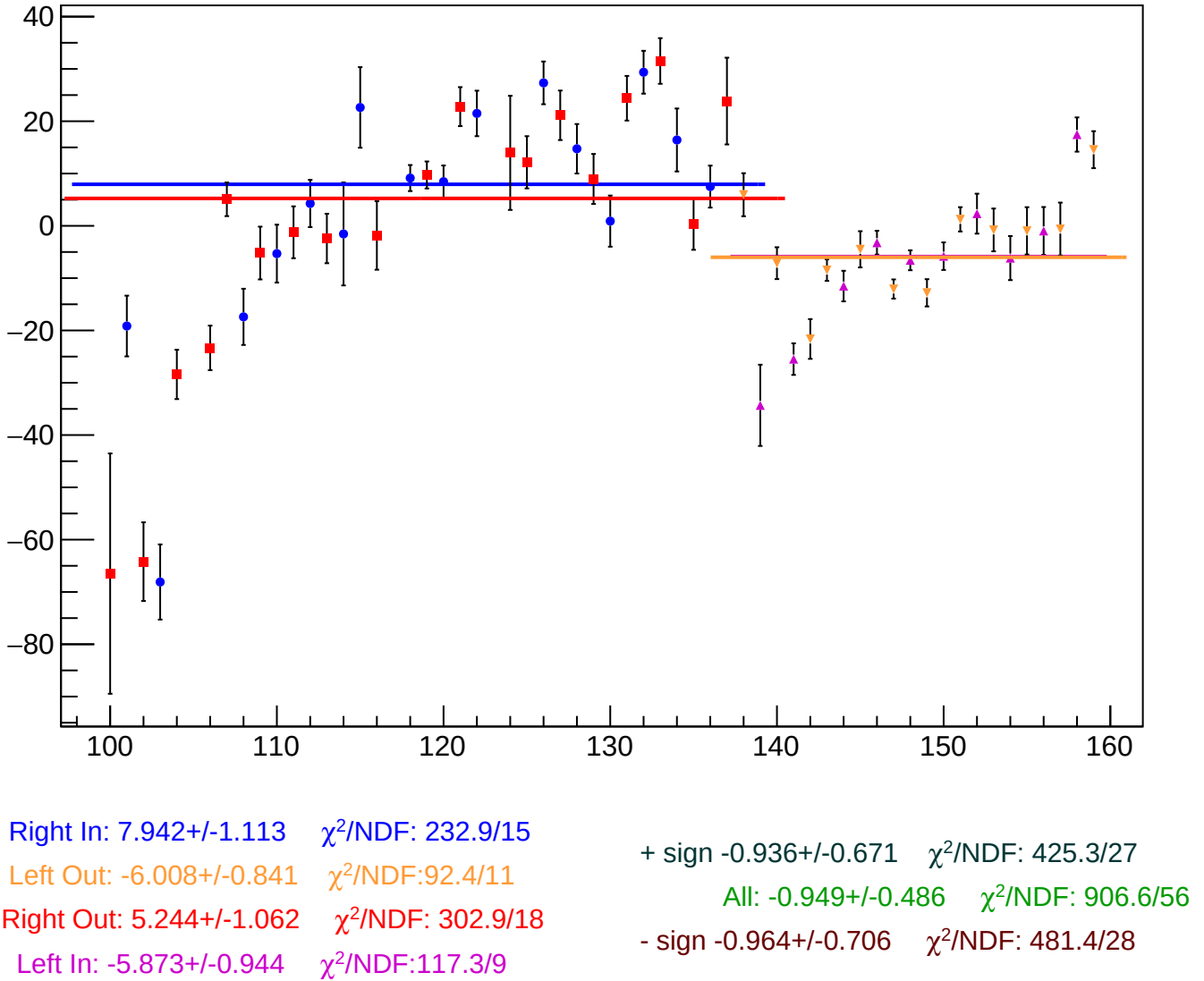
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

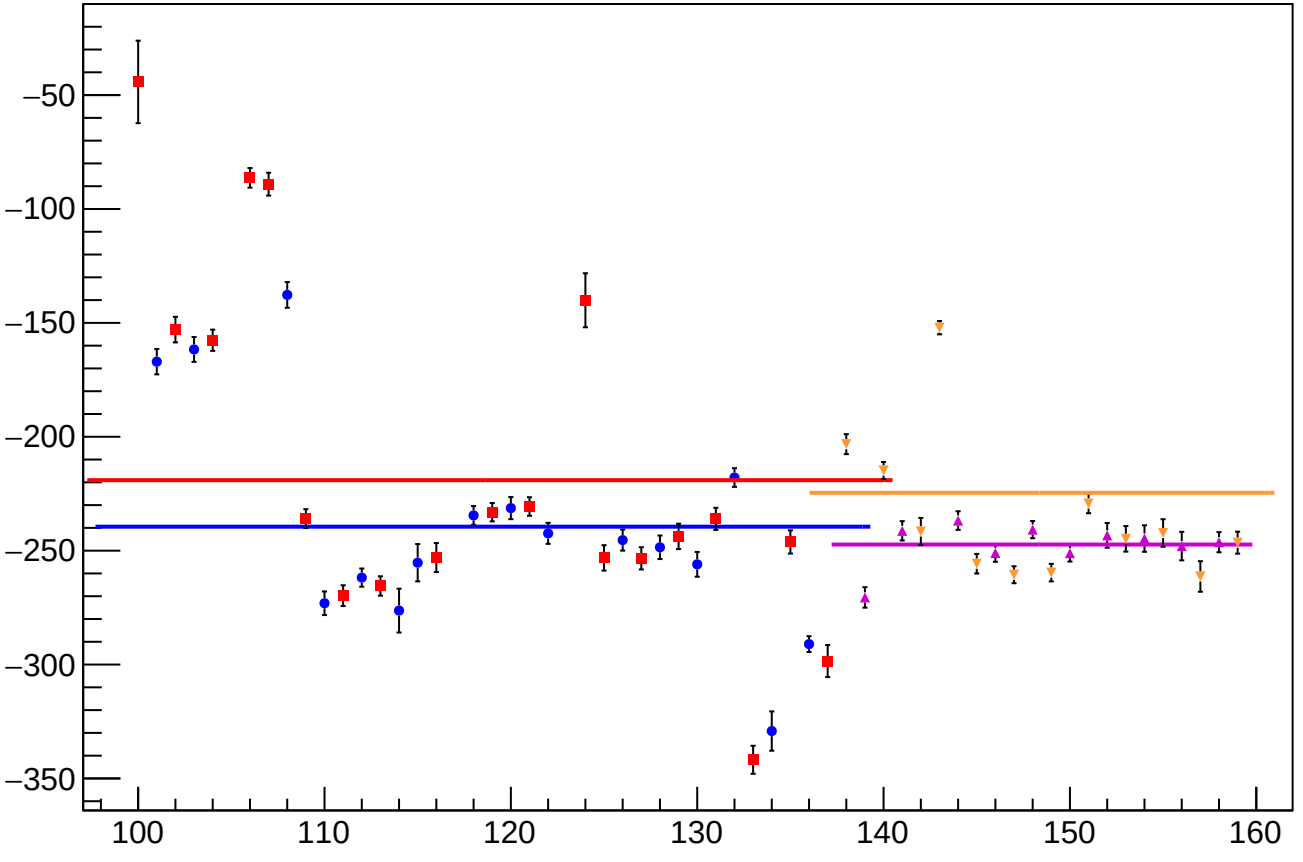
+ sign 191.041+/-0.827 χ^2/NDF: 3130.1/27

All: 190.794+/-0.587 χ^2/NDF: 6302.4/56

- sign 190.544+/-0.832 χ^2/NDF: 3172.2/28


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -6.008+/-0.841 χ²/NDF:92.4/11
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: -5.873+/-0.944 χ²/NDF:117.3/9
+ sign -0.936+/-0.671 χ²/NDF: 425.3/27
All: -0.949+/-0.486 χ²/NDF: 906.6/56
- sign -0.964+/-0.706 χ²/NDF: 481.4/28

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

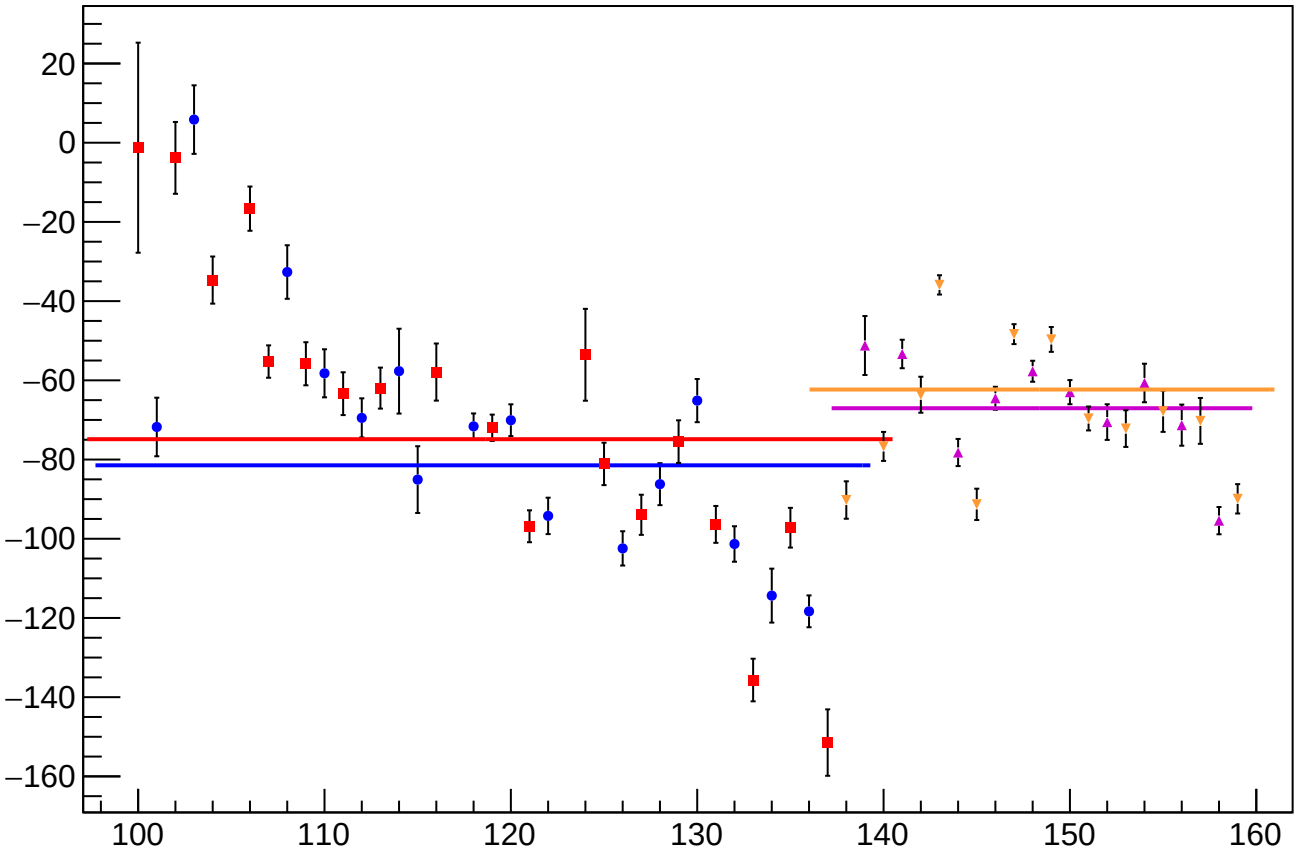
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

+ sign -232.057+/-0.882 χ^2/NDF: 2190.0/27

All: -231.447+/-0.629 χ^2/NDF: 5521.6/56

- sign -230.814+/-0.899 χ^2/NDF: 3330.7/28



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -62.320+/-1.023 χ^2/NDF:337.7/11

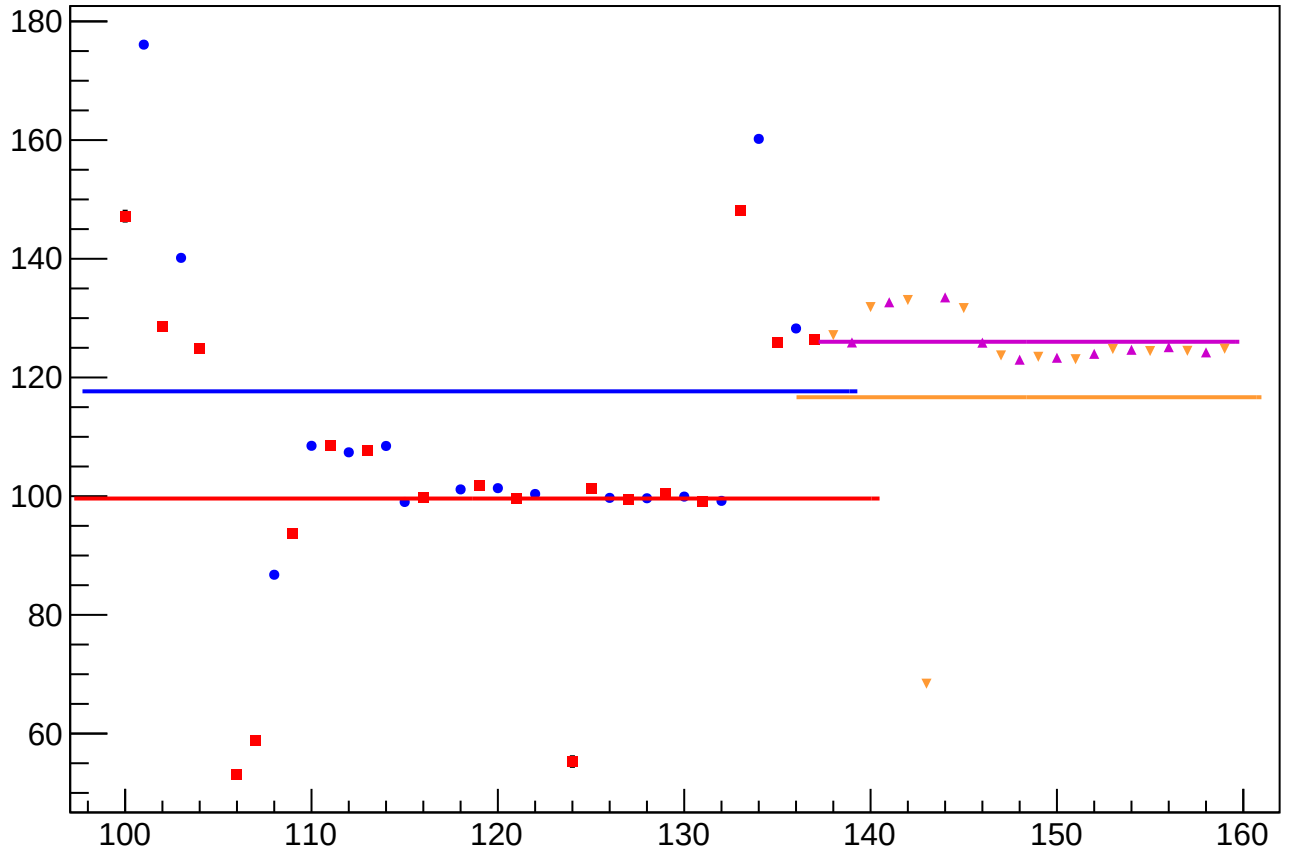
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

+ sign -69.731+/-0.801 χ^2/NDF: 839.8/27

All: -70.180+/-0.579 χ^2/NDF: 1554.3/56

- sign -70.673+/-0.838 χ^2/NDF: 713.8/28



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

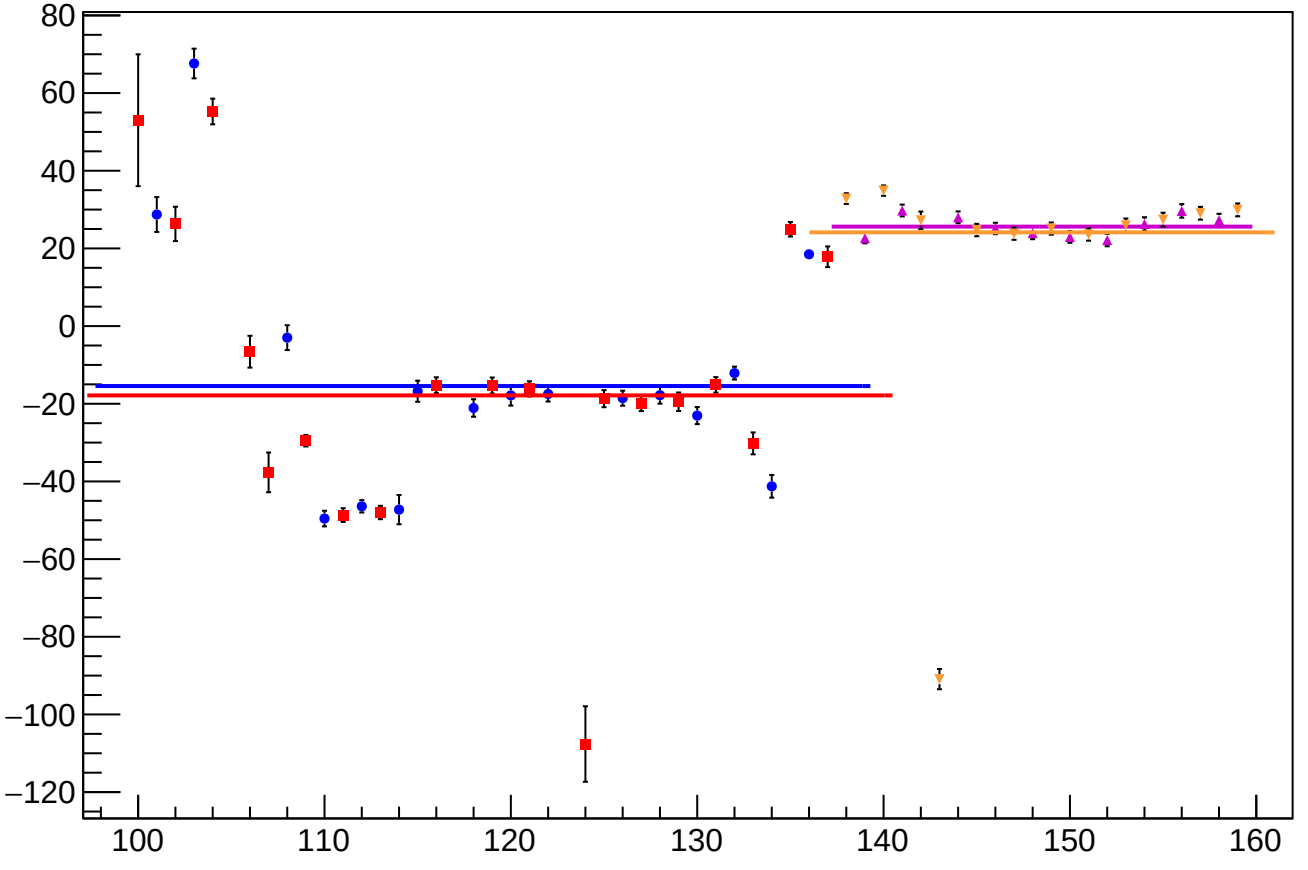
Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

+ sign 116.958+/-0.042 χ^2/NDF: 288850.3/27

All: 116.606+/-0.030 χ^2/NDF: 548313.9/56

- sign 116.242+/-0.043 χ^2/NDF: 259320.7/28

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

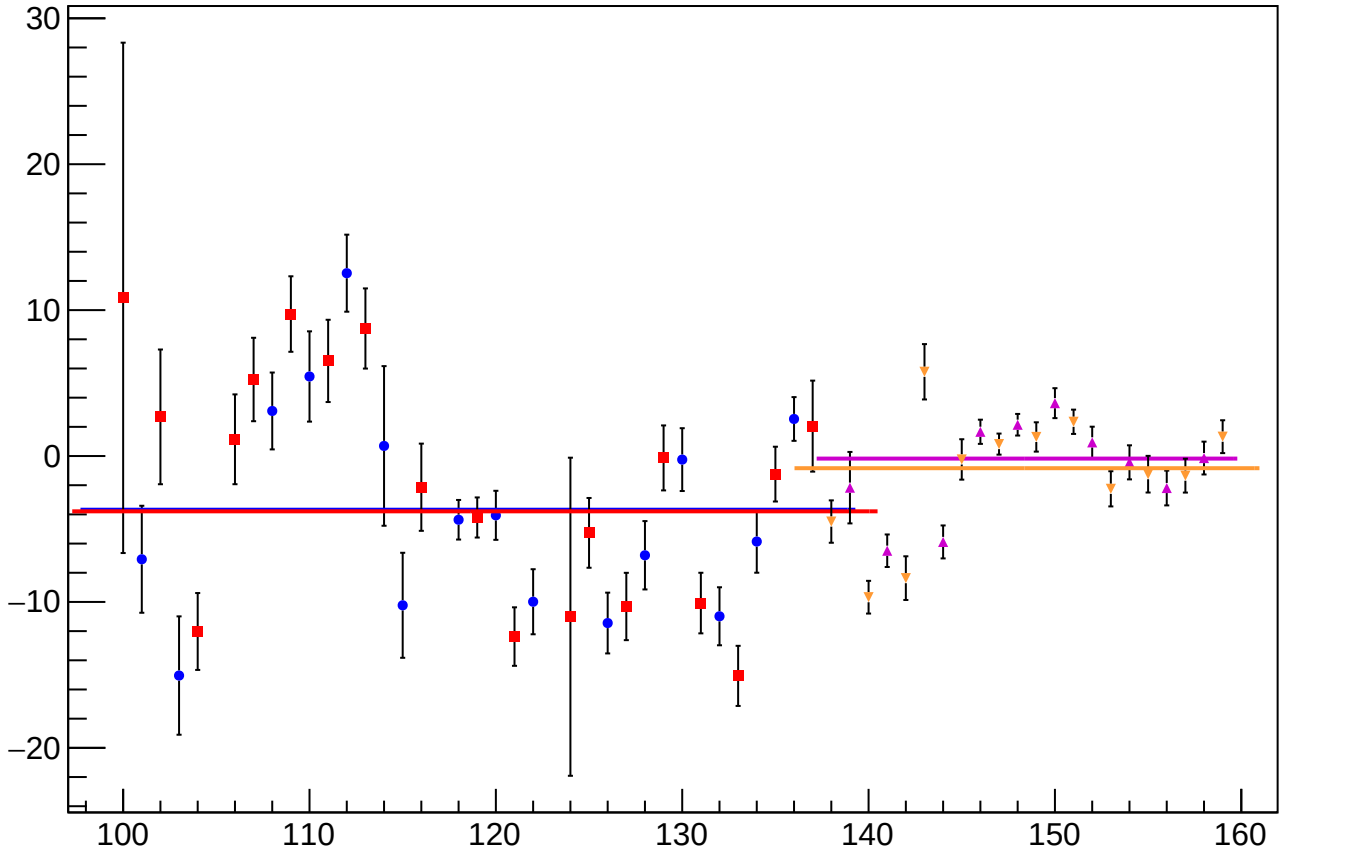
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.611+/-0.492 χ^2/NDF:30.2/9

+ sign 6.709+/-0.358 χ^2/NDF: 7211.4/27

All: 6.096+/-0.254 χ^2/NDF: 12985.8/56

- sign 5.473+/-0.361 χ^2/NDF: 5768.5/28



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

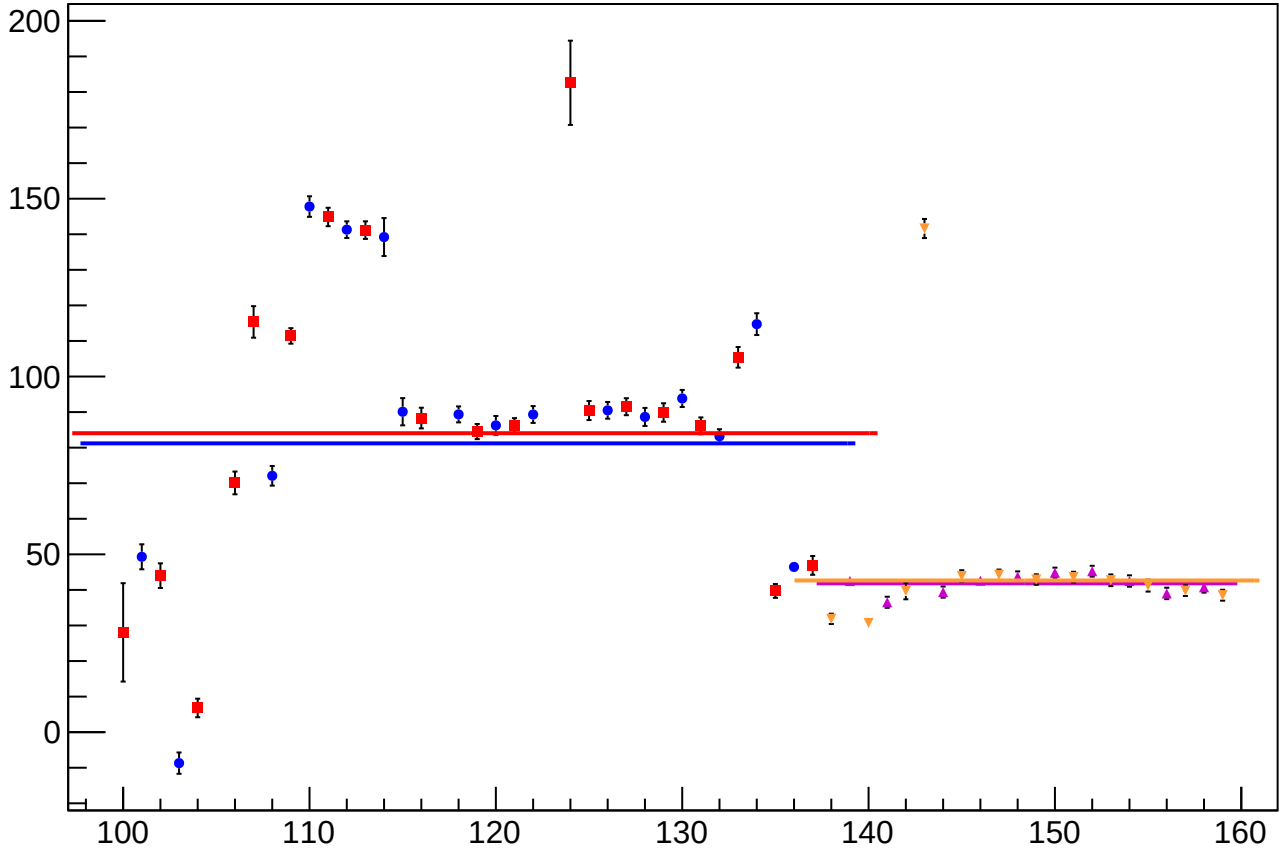
Left In: -0.175+/-0.332 χ^2/NDF:90.7/9

+ sign -1.552+/-0.277 χ^2/NDF: 279.8/27

All: -1.336+/-0.199 χ^2/NDF: 563.5/56

- sign -1.106+/-0.286 χ^2/NDF: 282.5/28

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

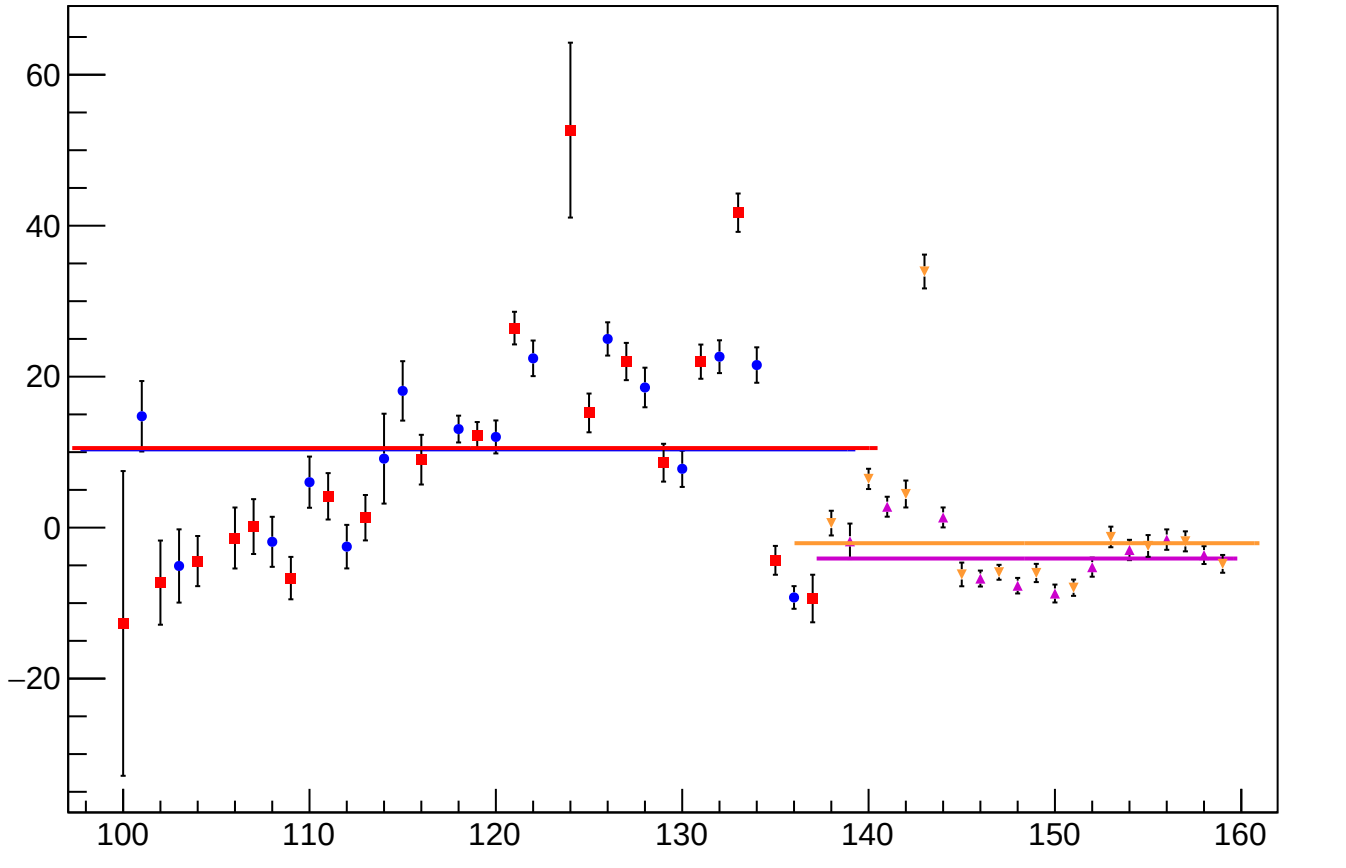
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.853+/-0.476 χ^2/NDF:29.5/9

+ sign 56.849+/-0.368 χ^2/NDF: 7280.9/27

All: 57.226+/-0.263 χ^2/NDF: 13458.2/56

- sign 57.621+/-0.377 χ^2/NDF: 6175.2/28



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -2.064+/-0.386 χ^2/NDF:382.7/11

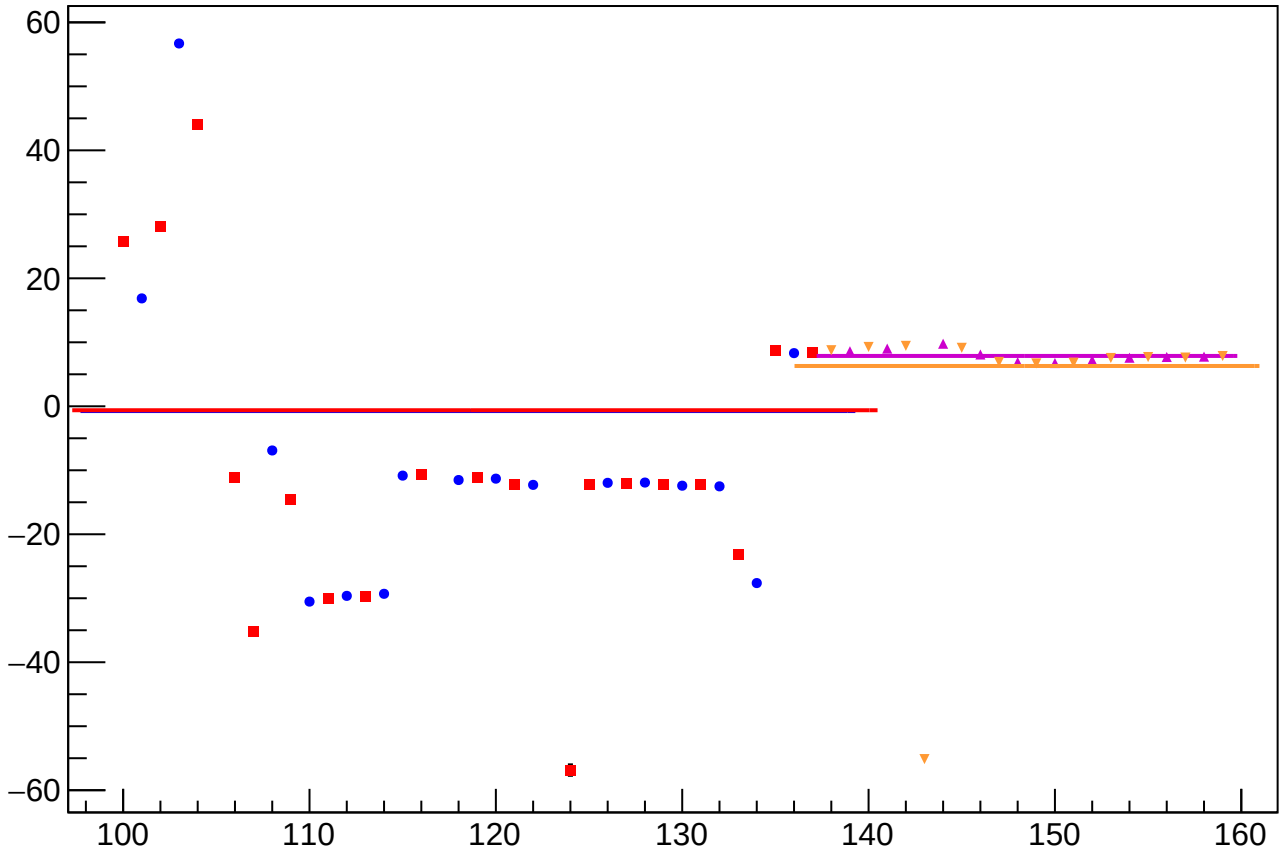
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.094+/-0.398 χ^2/NDF:83.8/9

+ sign 1.353+/-0.328 χ^2/NDF: 1027.9/27

All: 0.688+/-0.236 χ^2/NDF: 1967.7/56

- sign -0.017+/-0.338 χ^2/NDF: 931.3/28



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.300+/-0.018 χ^2/NDF:312374.6/11

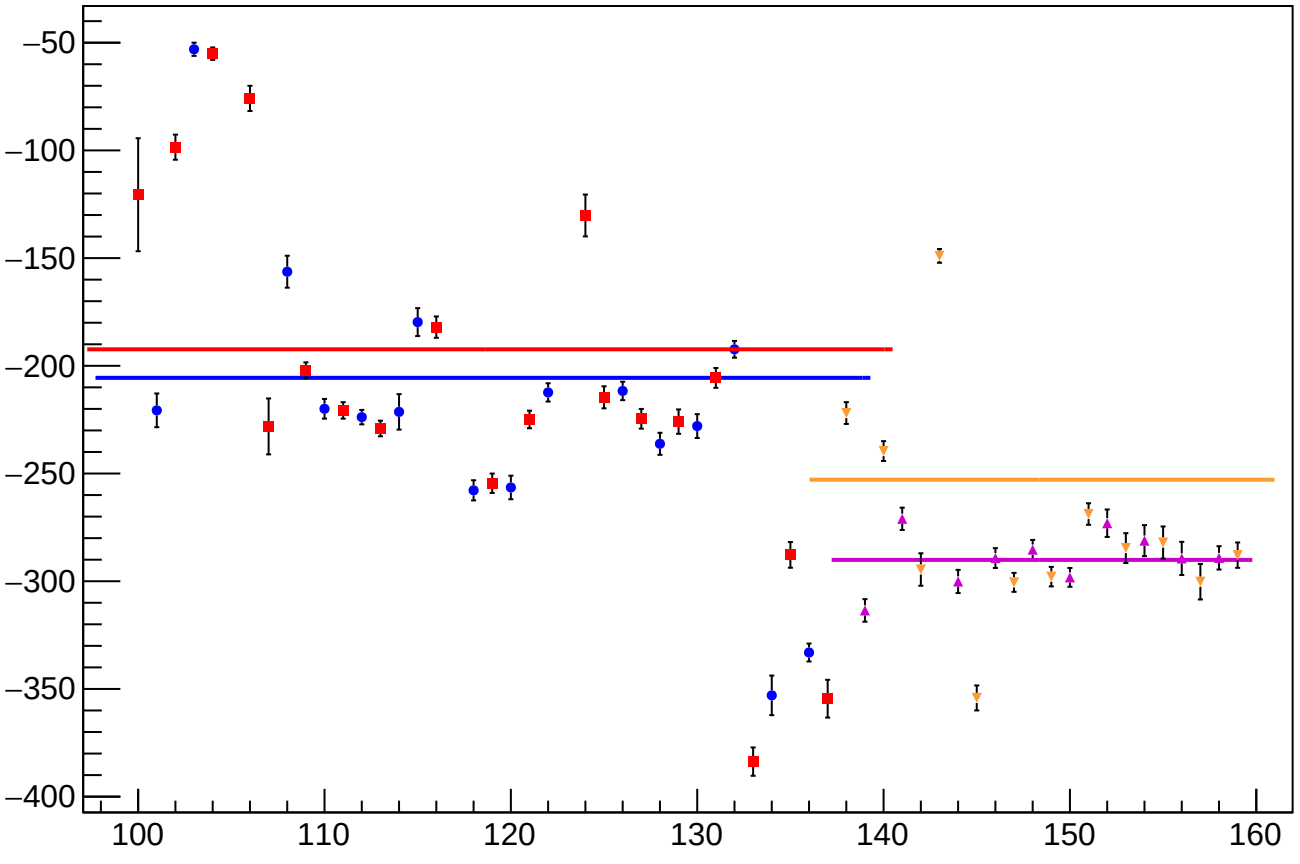
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.869+/-0.018 χ^2/NDF:2109.4/9

+ sign 4.922+/-0.016 χ^2/NDF: 711379.0/27

All: 5.587+/-0.011 χ^2/NDF: 1075561.3/56

- sign 6.278+/-0.016 χ^2/NDF: 360598.3/28



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -252.859+/-1.485 χ^2/NDF:1760.3/11

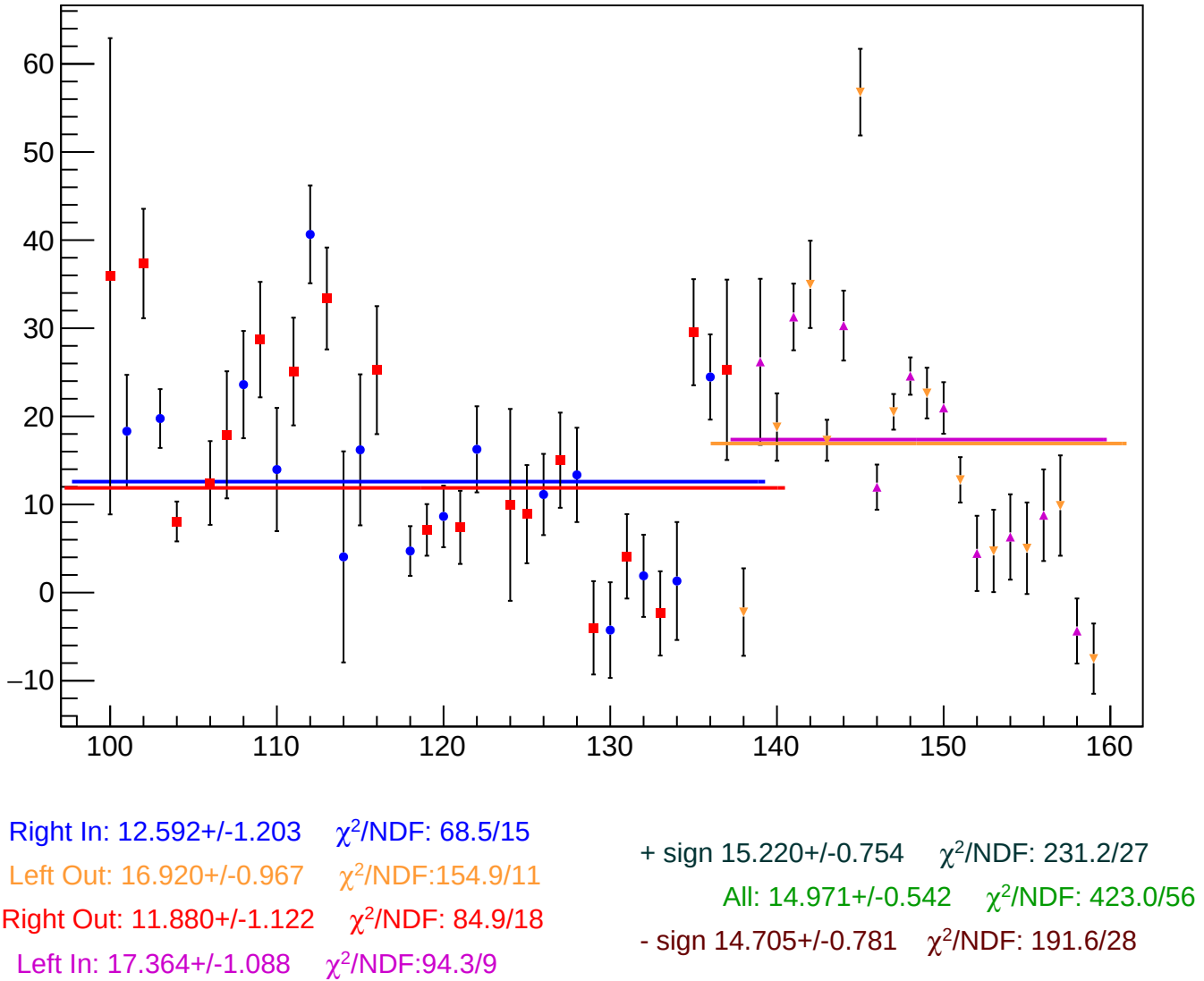
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -290.102+/-1.686 χ^2/NDF:50.3/9

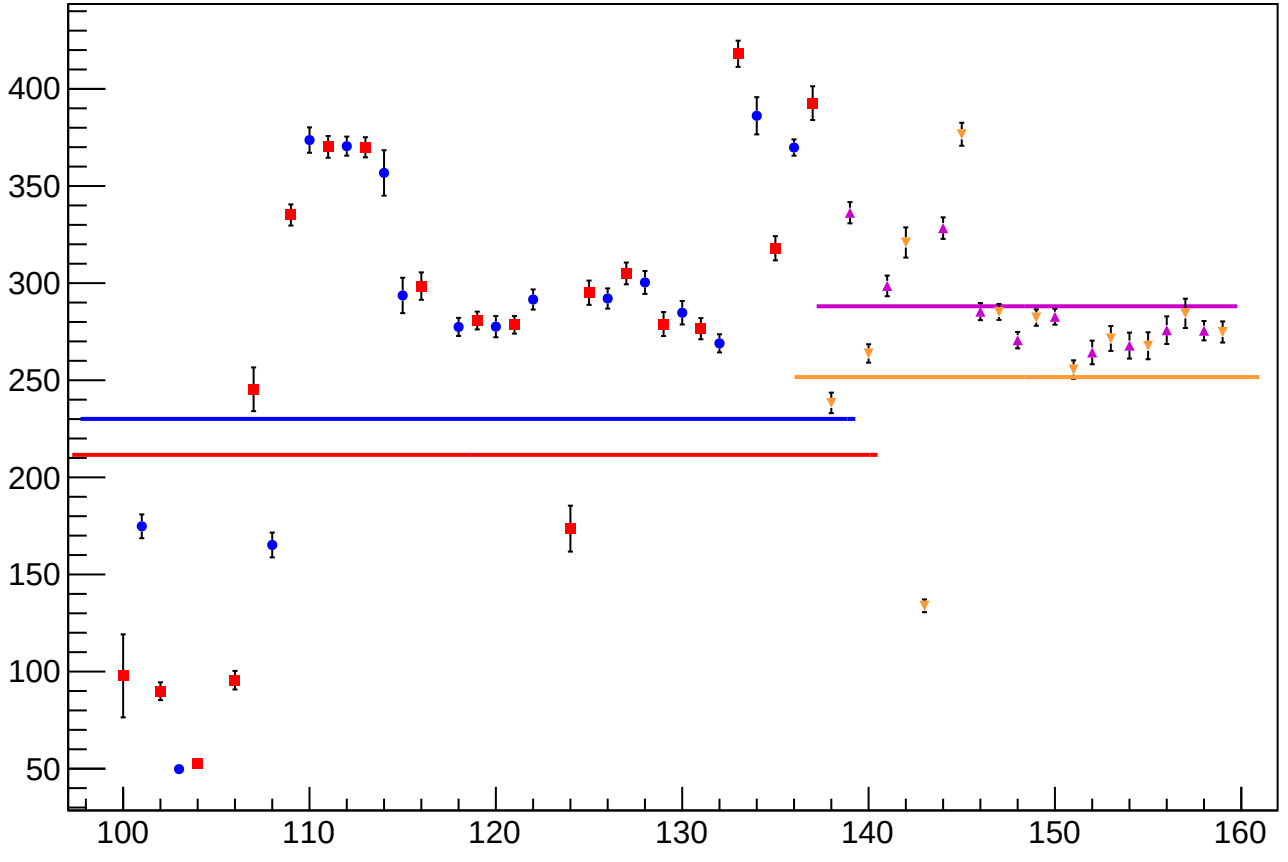
\+ sign -223.963+/-0.926 χ^2/NDF: 6435.7/27

All: -223.171+/-0.658 χ^2/NDF: 13786.4/56

\- sign -222.365+/-0.934 χ^2/NDF: 7349.3/28


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: 17.364+/-1.088 χ²/NDF:94.3/9
+ sign 15.220+/-0.754 χ²/NDF: 231.2/27
All: 14.971+/-0.542 χ²/NDF: 423.0/56
- sign 14.705+/-0.781 χ²/NDF: 191.6/28

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

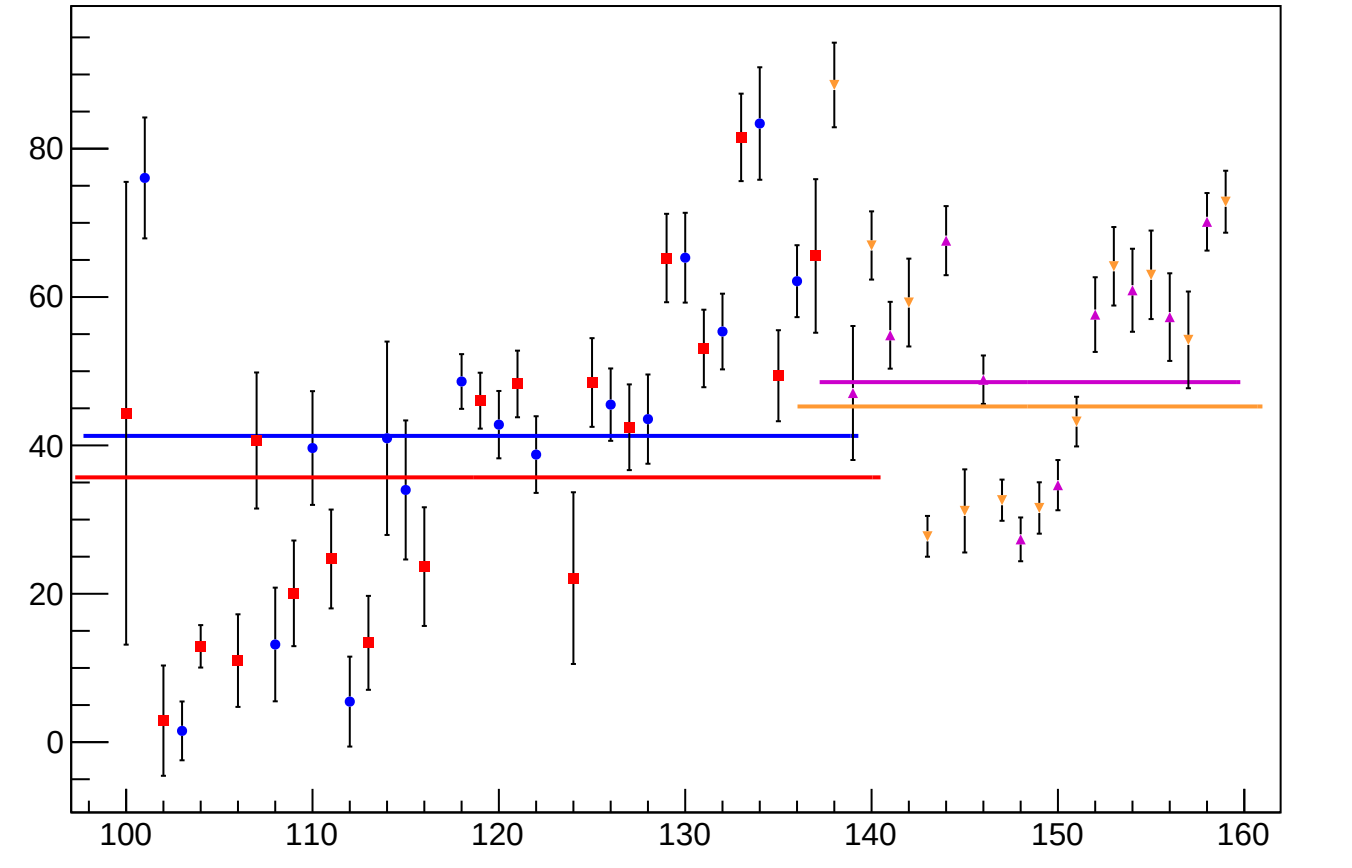
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 288.082+/-1.625 χ^2/NDF:187.2/9

+ sign 239.333+/-0.952 χ^2/NDF: 11485.3/27

All: 238.891+/-0.677 χ^2/NDF: 24582.7/56

- sign 238.440+/-0.963 χ^2/NDF: 13097.0/28



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 45.249+/-1.180 χ^2/NDF:236.3/11

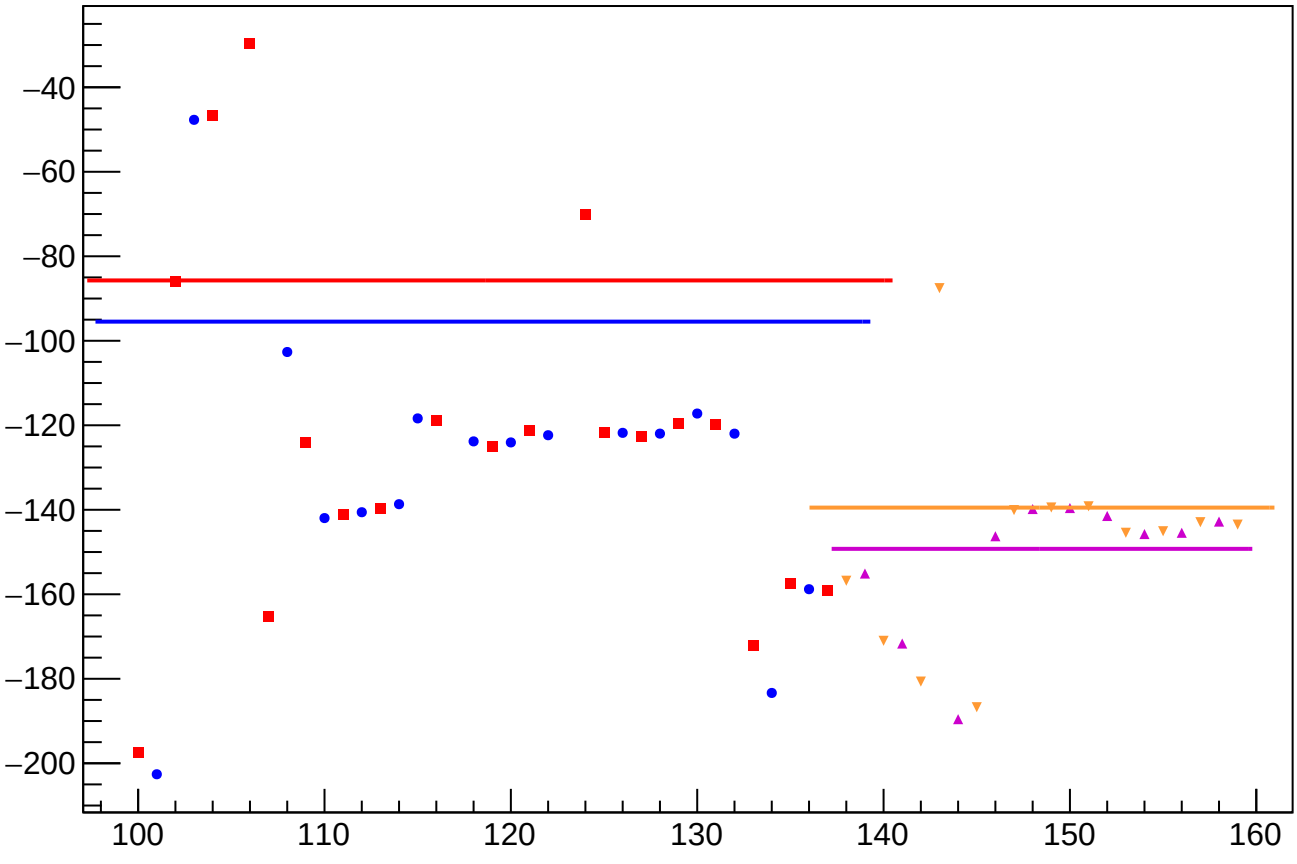
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 48.530+/-1.324 χ^2/NDF:128.6/9

+ sign 43.597+/-0.902 χ^2/NDF: 486.8/27

All: 42.862+/-0.649 χ^2/NDF: 917.2/56

- sign 42.075+/-0.934 χ^2/NDF: 429.0/28



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.485+/-0.058 χ^2/NDF:230956.4/11

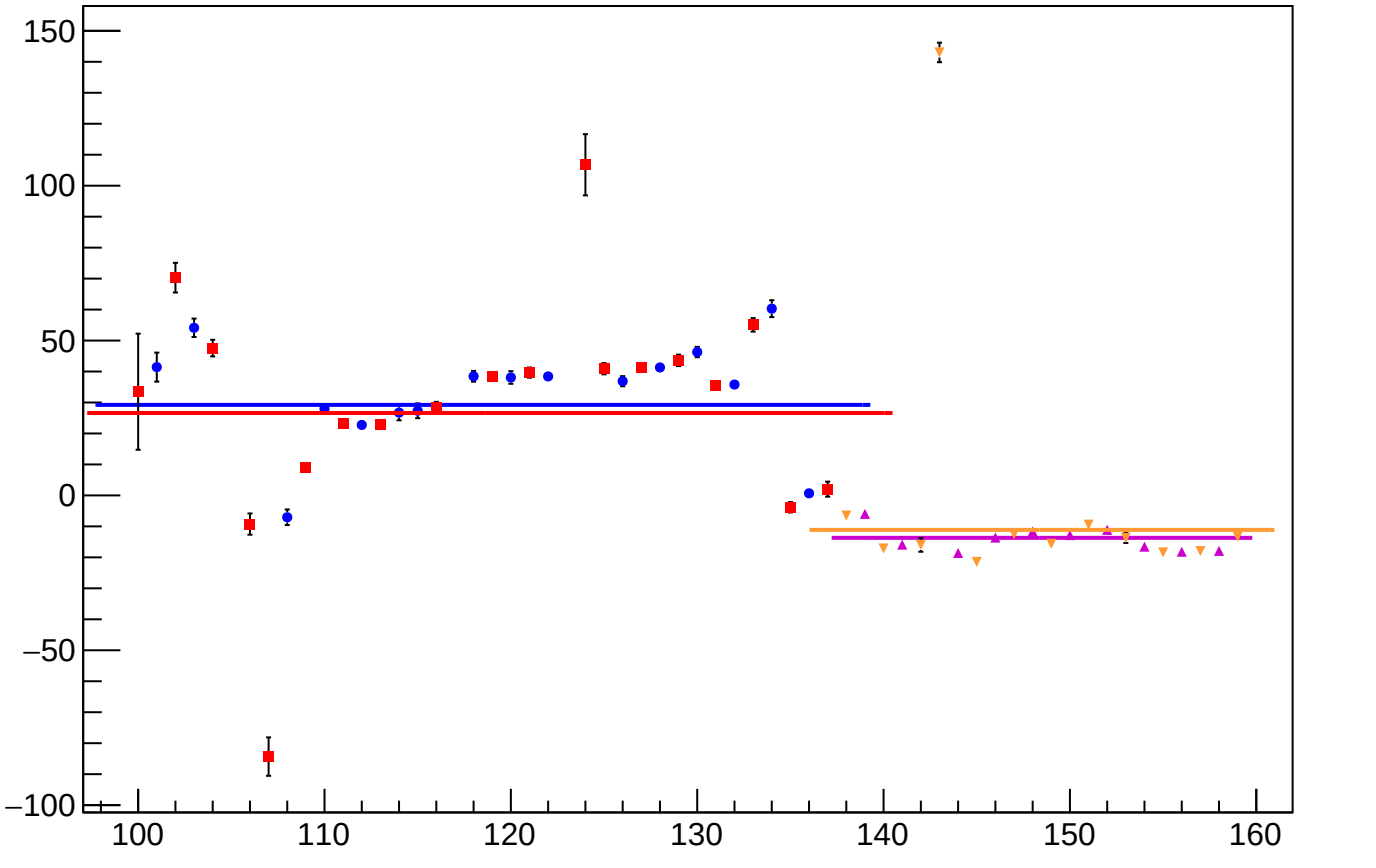
Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -149.247+/-0.063 χ^2/NDF:47609.2/9

+ sign -121.446+/-0.044 χ^2/NDF: 987962.1/27

All: -120.552+/-0.032 χ^2/NDF: 1999350.5/56

- sign -119.606+/-0.046 χ^2/NDF: 1010556.4/28



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.130+/-0.448 χ^2/NDF:2527.5/11

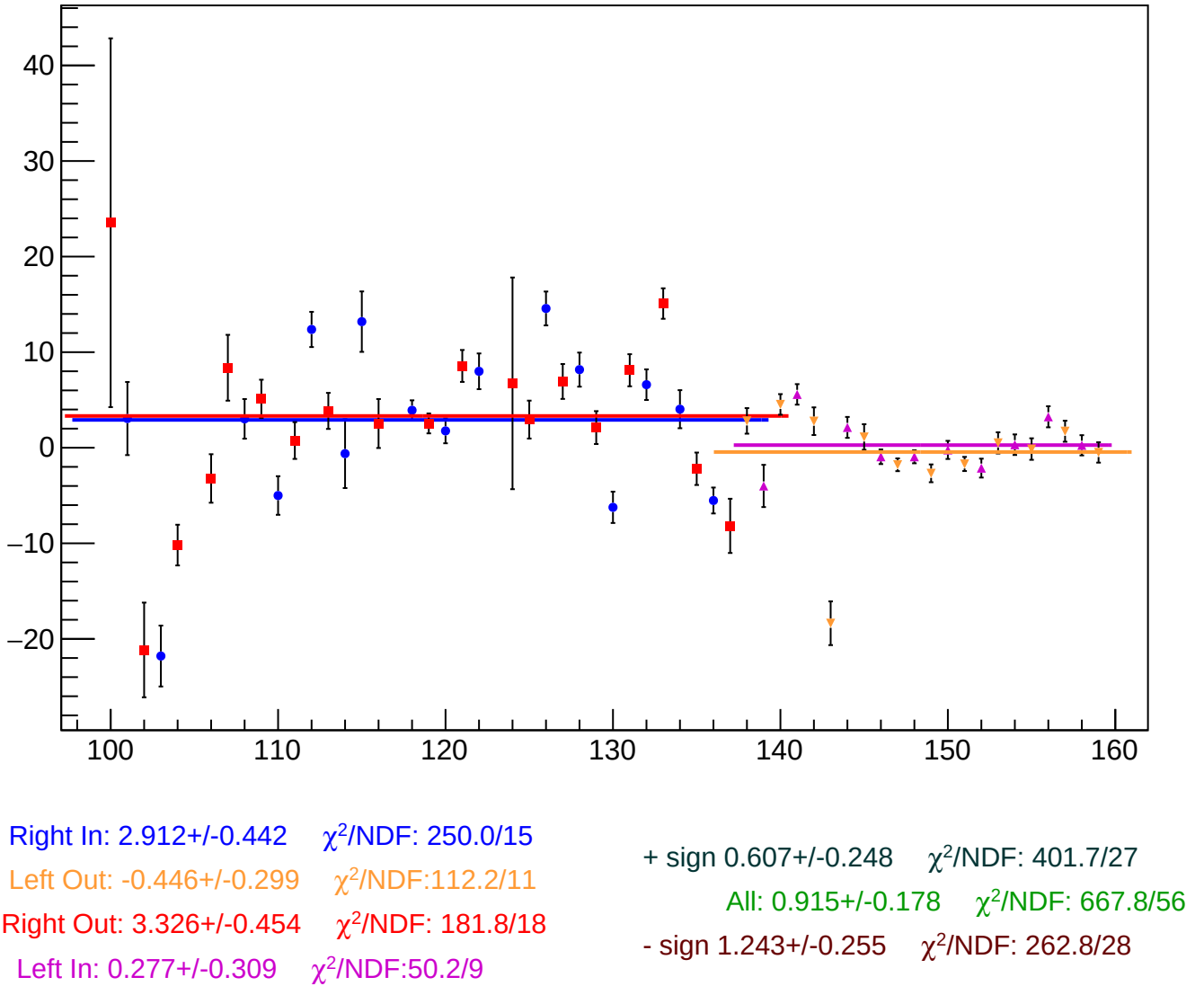
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.700+/-0.457 χ^2/NDF:76.8/9

\+ sign 10.137+/-0.308 χ^2/NDF: 8151.0/27

All: 9.293+/-0.217 χ^2/NDF: 14430.9/56

\- sign 8.455+/-0.307 χ^2/NDF: 6265.0/28


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug
40
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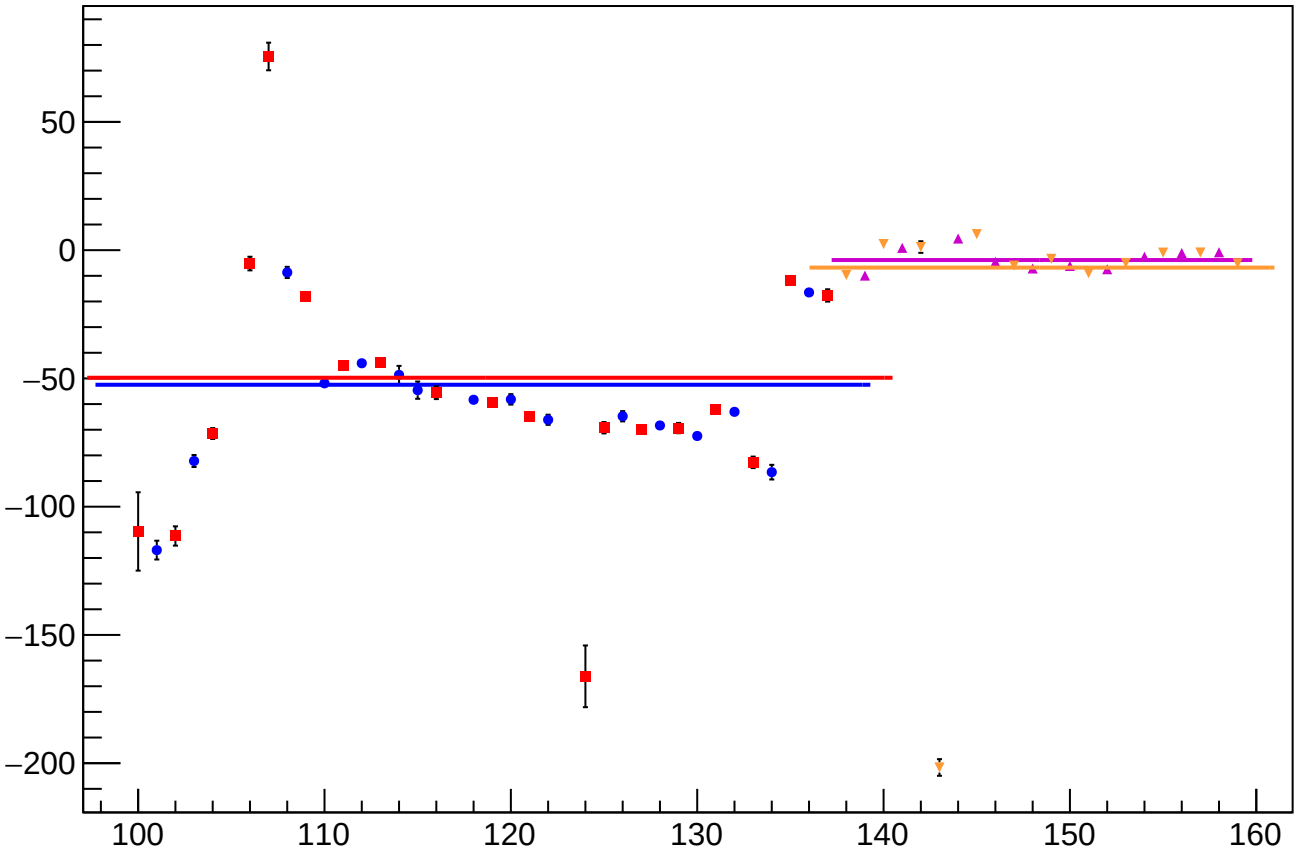
−20
100
110
120
130
140
150
160
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.446+/-0.299 χ²/NDF:112.2/11
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.277+/-0.309 χ²/NDF:50.2/9
+ sign 0.607+/-0.248 χ²/NDF: 401.7/27
All: 0.915+/-0.178 χ²/NDF: 667.8/56
- sign 1.243+/-0.255 χ²/NDF: 262.8/28



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.790+/-0.433 χ^2/NDF:3785.3/11

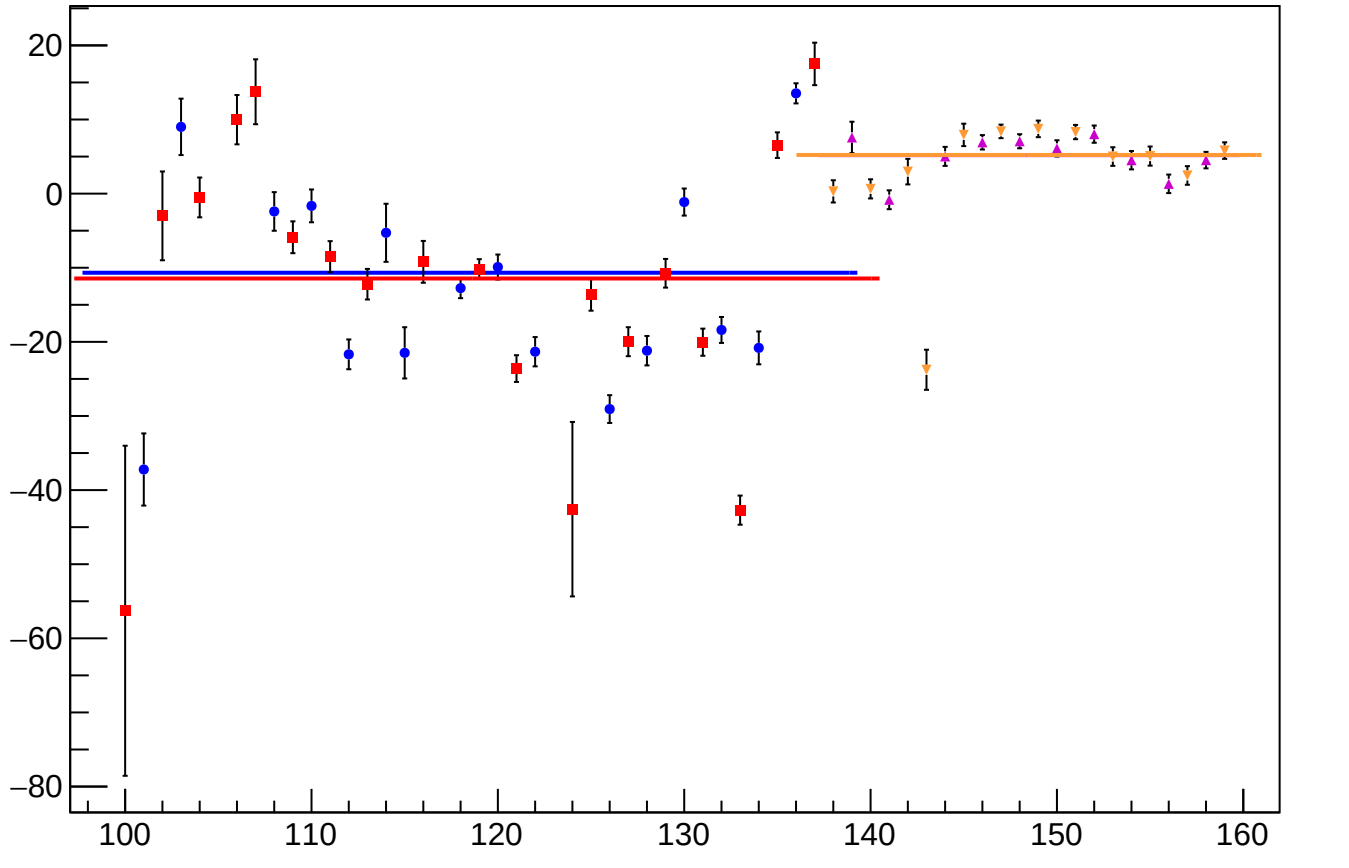
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.846+/-0.442 χ^2/NDF:87.3/9

+ sign -26.939+/-0.324 χ^2/NDF: 11016.4/27

All: -25.619+/-0.231 χ^2/NDF: 18937.6/56

- sign -24.254+/-0.329 χ^2/NDF: 7887.4/28



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.217+/-0.360 χ^2/NDF:180.5/11

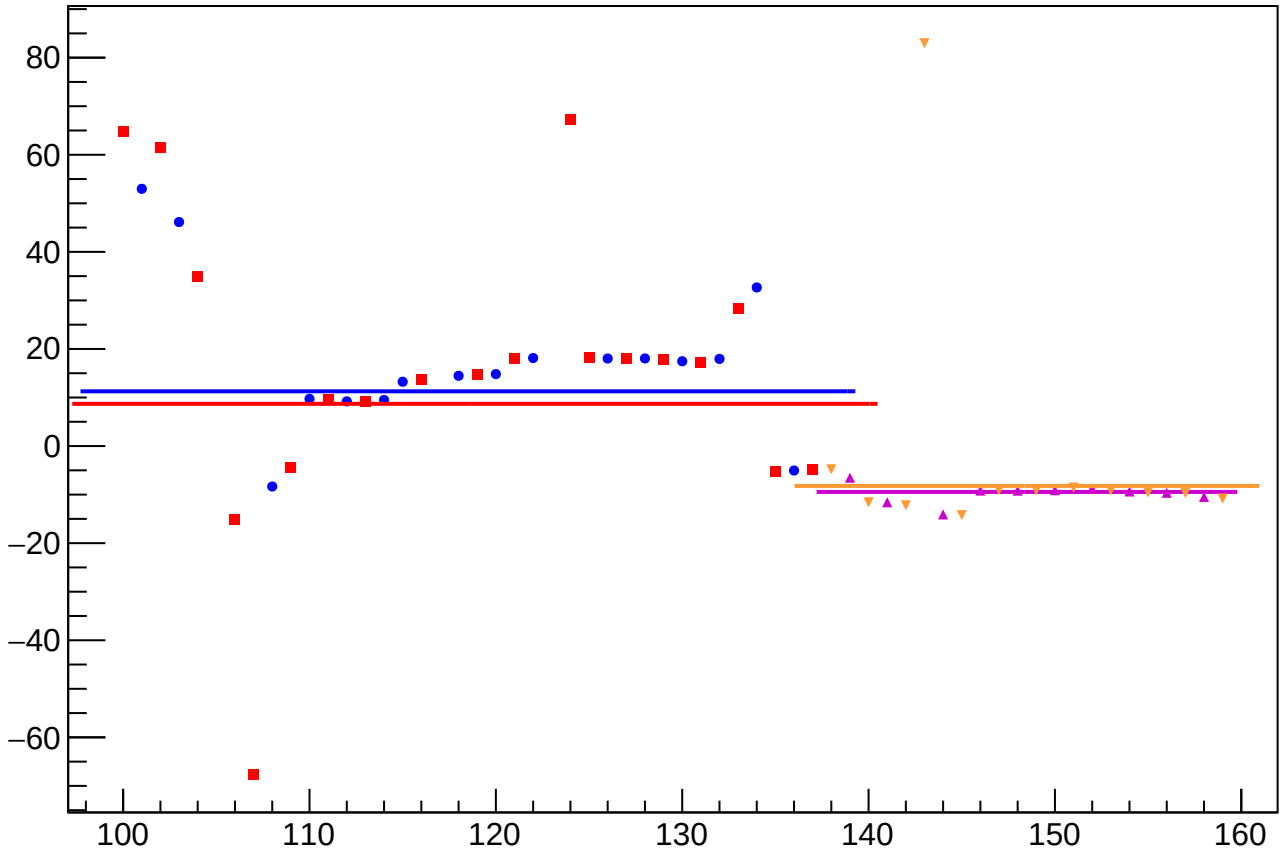
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.194+/-0.370 χ^2/NDF:47.6/9

+ sign -0.136+/-0.293 χ^2/NDF: 1502.4/27

All: -0.297+/-0.210 χ^2/NDF: 2902.8/56

- sign -0.467+/-0.301 χ^2/NDF: 1399.8/28



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

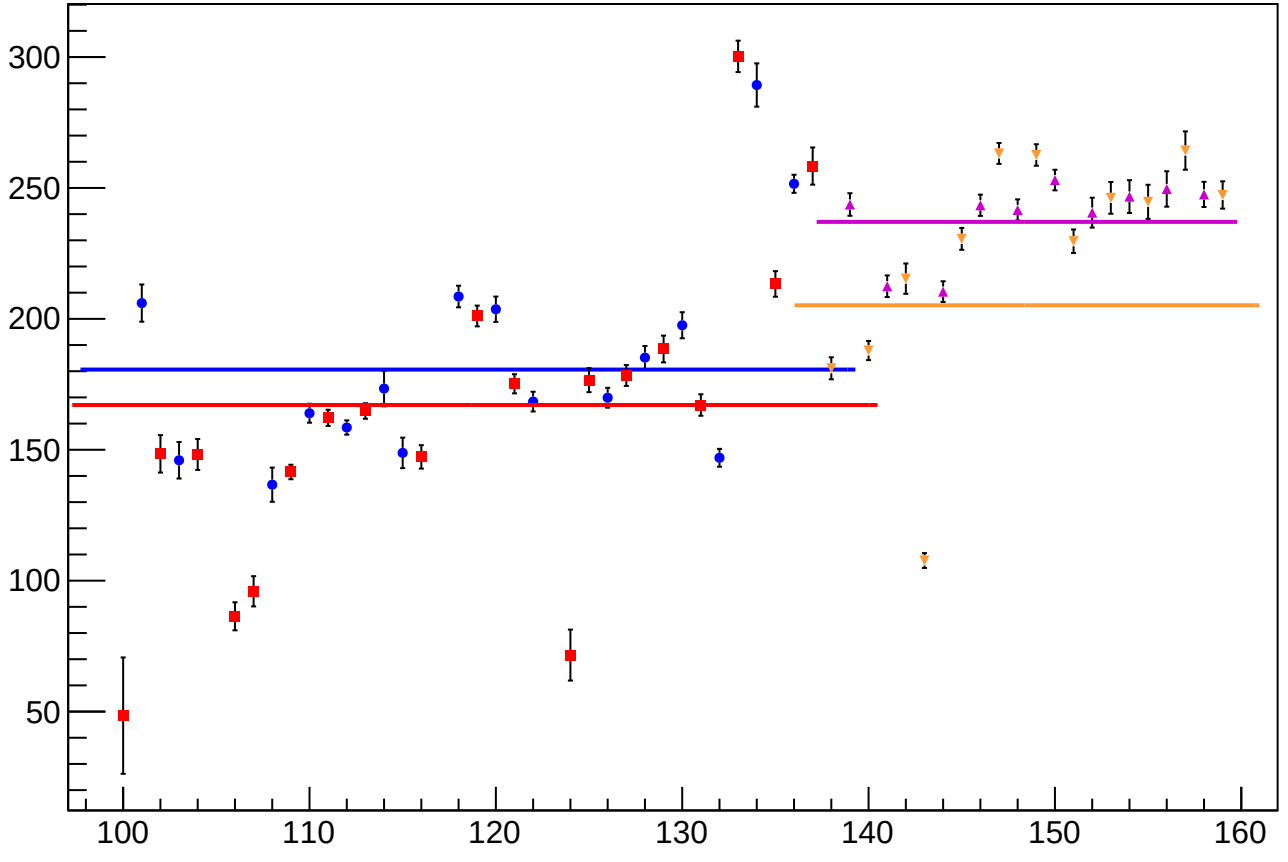
Left In: -9.453+/-0.017 χ^2/NDF:10727.4/9

\+ sign -3.668+/-0.014 χ^2/NDF: 1154188.5/27

All: -4.560+/-0.010 χ^2/NDF: 1869535.1/56

\- sign -5.483+/-0.015 χ^2/NDF: 707590.7/28

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.186+/-1.270 χ^2/NDF:1921.4/11

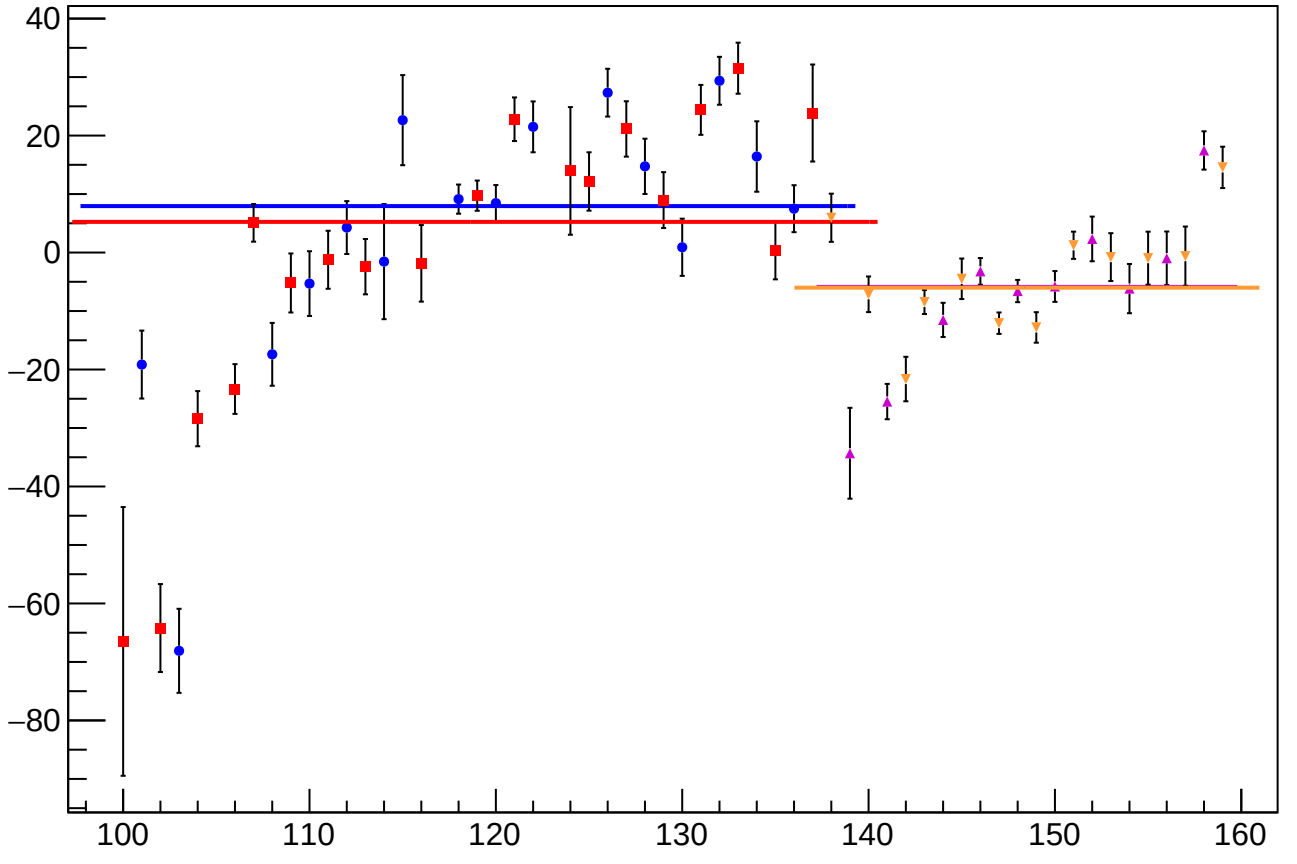
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

+ sign 191.041+/-0.827 χ^2/NDF: 3130.1/27

All: 190.794+/-0.587 χ^2/NDF: 6302.4/56

- sign 190.544+/-0.832 χ^2/NDF: 3172.2/28



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

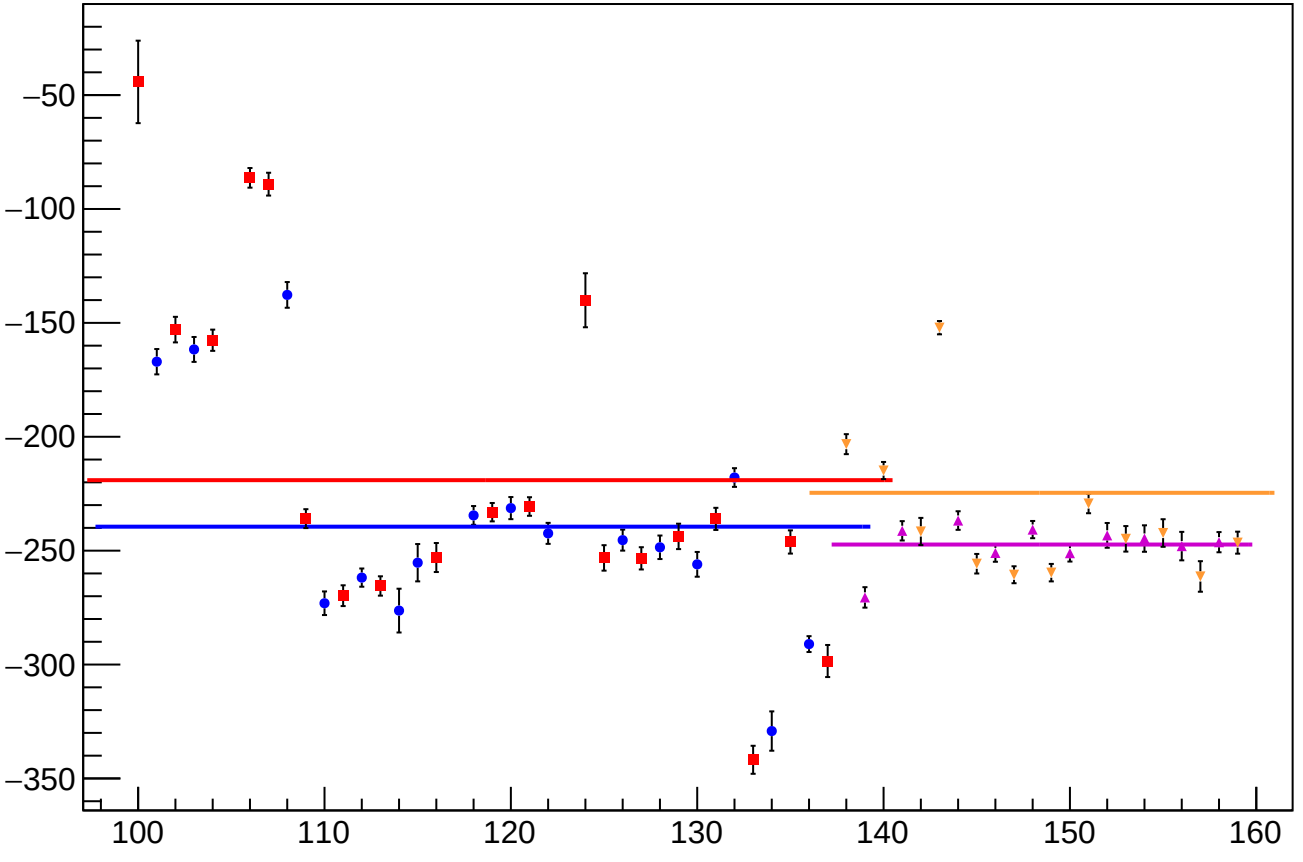
Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

\+ sign -0.936+/-0.671 χ^2/NDF: 425.3/27

All: -0.949+/-0.486 χ^2/NDF: 906.6/56

\- sign -0.964+/-0.706 χ^2/NDF: 481.4/28

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

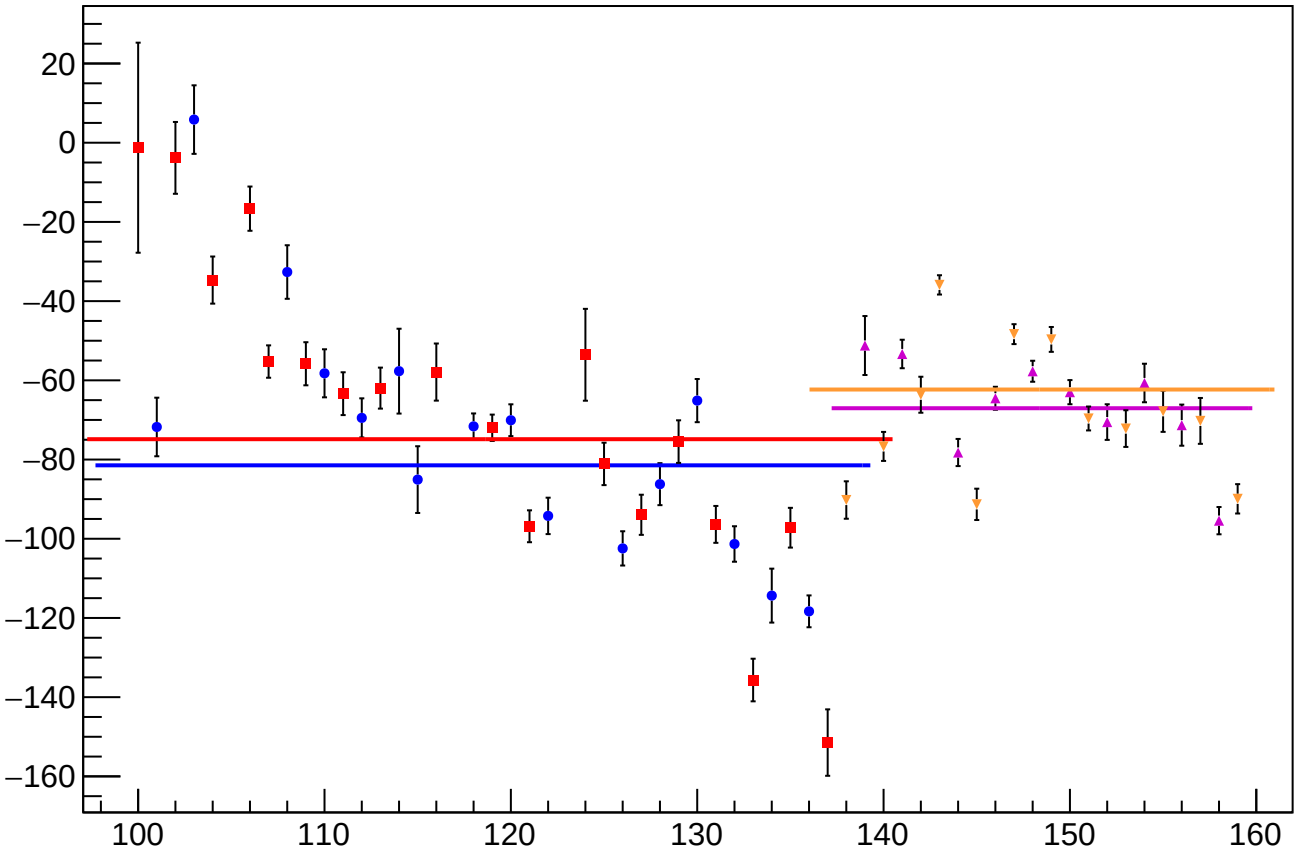
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

+ sign -232.057+/-0.882 χ^2/NDF: 2190.0/27

All: -231.447+/-0.629 χ^2/NDF: 5521.6/56

- sign -230.814+/-0.899 χ^2/NDF: 3330.7/28



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

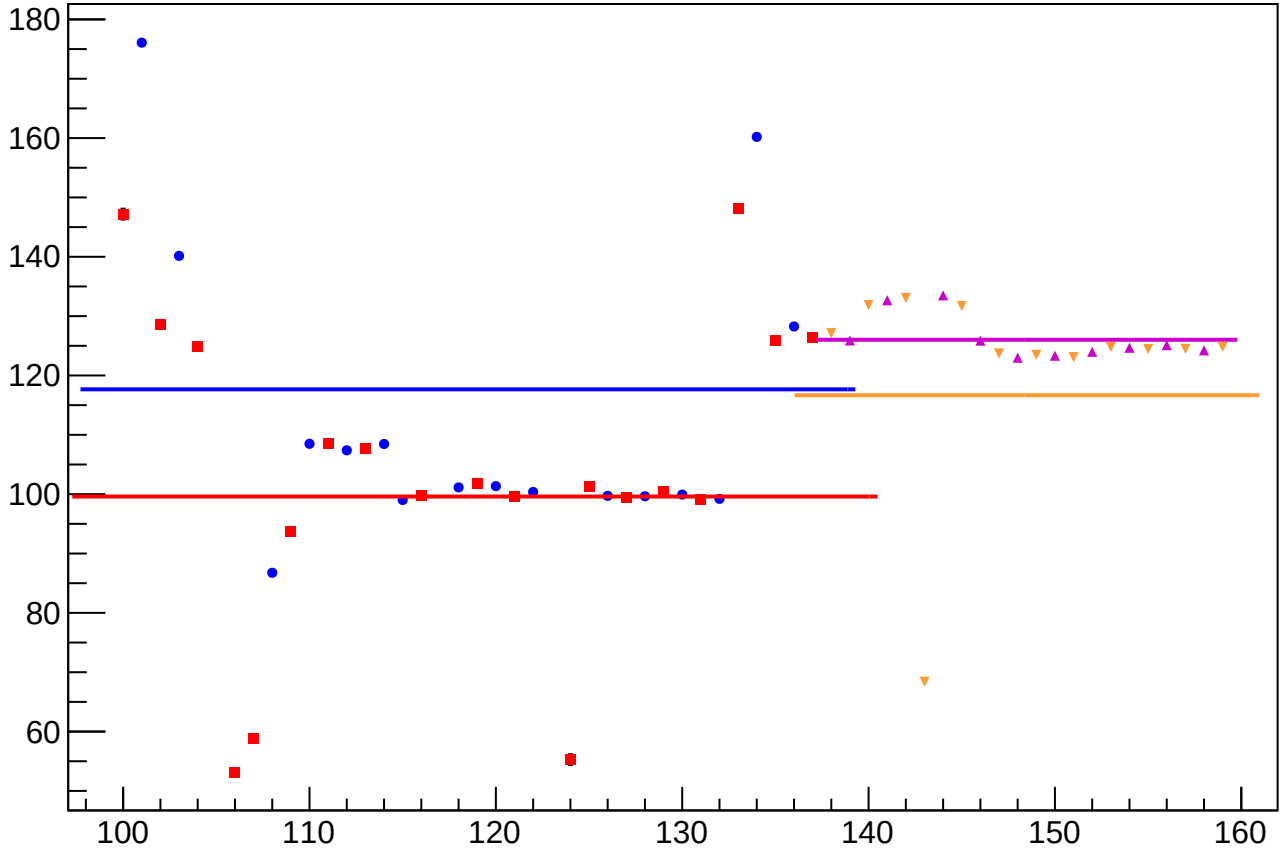
Left In: -67.042+/-1.145 χ^2/NDF:115.6/9

+ sign -69.731+/-0.801 χ^2/NDF: 839.8/27

All: -70.180+/-0.579 χ^2/NDF: 1554.3/56

- sign -70.673+/-0.838 χ^2/NDF: 713.8/28

reg_asym_at1_avg_at2_avg_dd_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

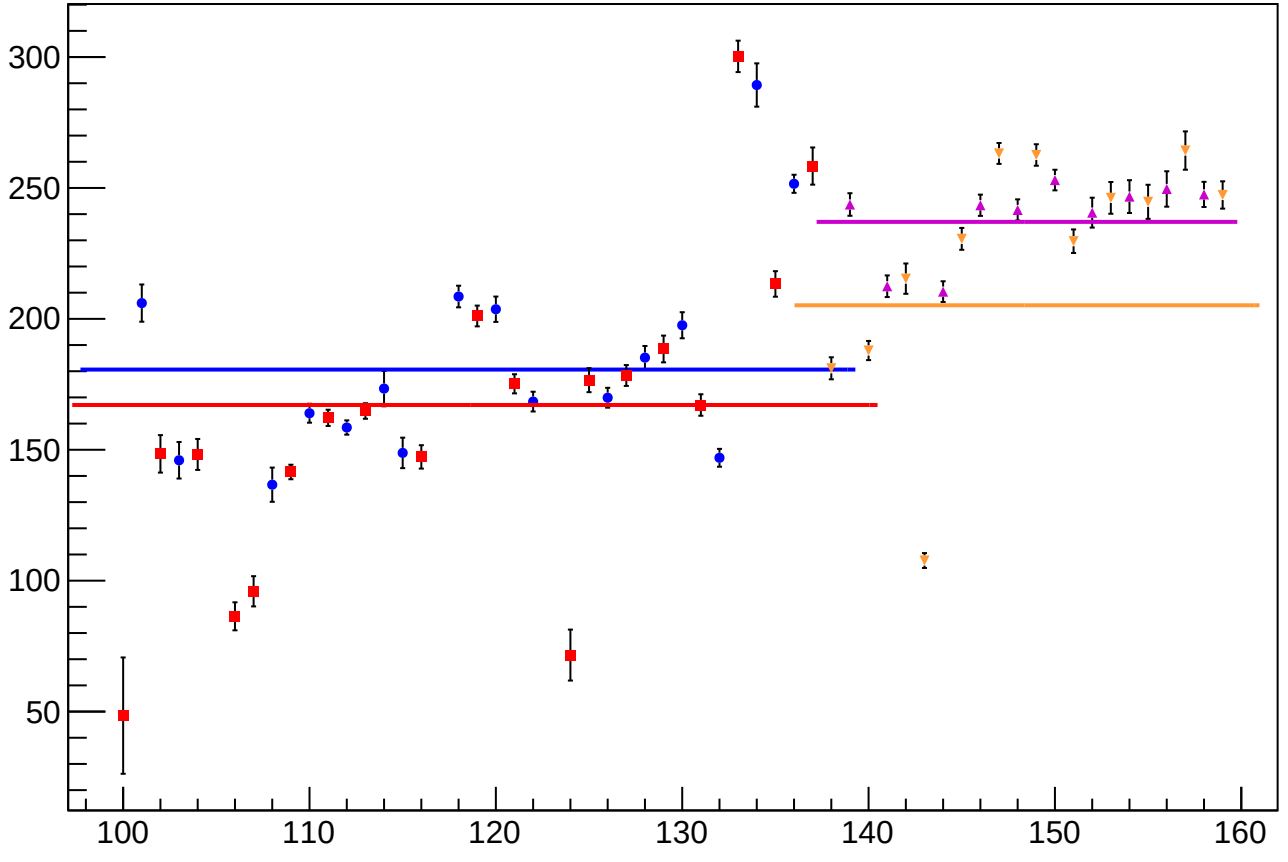
Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

+ sign 116.958+/-0.042 χ^2/NDF: 288850.3/27

All: 116.606+/-0.030 χ^2/NDF: 548313.9/56

- sign 116.242+/-0.043 χ^2/NDF: 259320.7/28

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

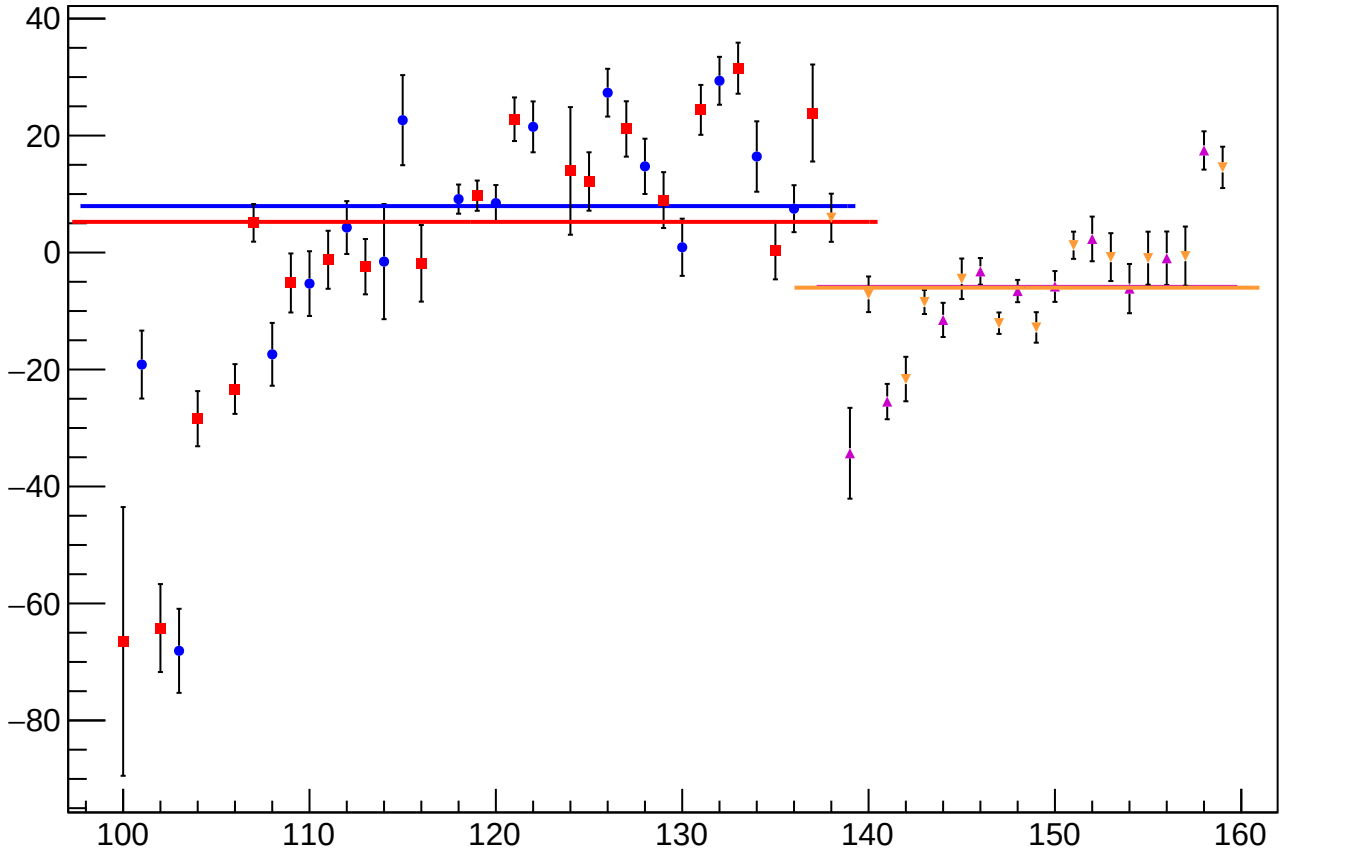
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.044+/-1.438 χ^2/NDF:114.1/9

+ sign 191.041+/-0.827 χ^2/NDF: 3130.1/27

All: 190.794+/-0.587 χ^2/NDF: 6302.4/56

- sign 190.544+/-0.832 χ^2/NDF: 3172.2/28



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -6.008+/-0.841 χ^2/NDF:92.4/11

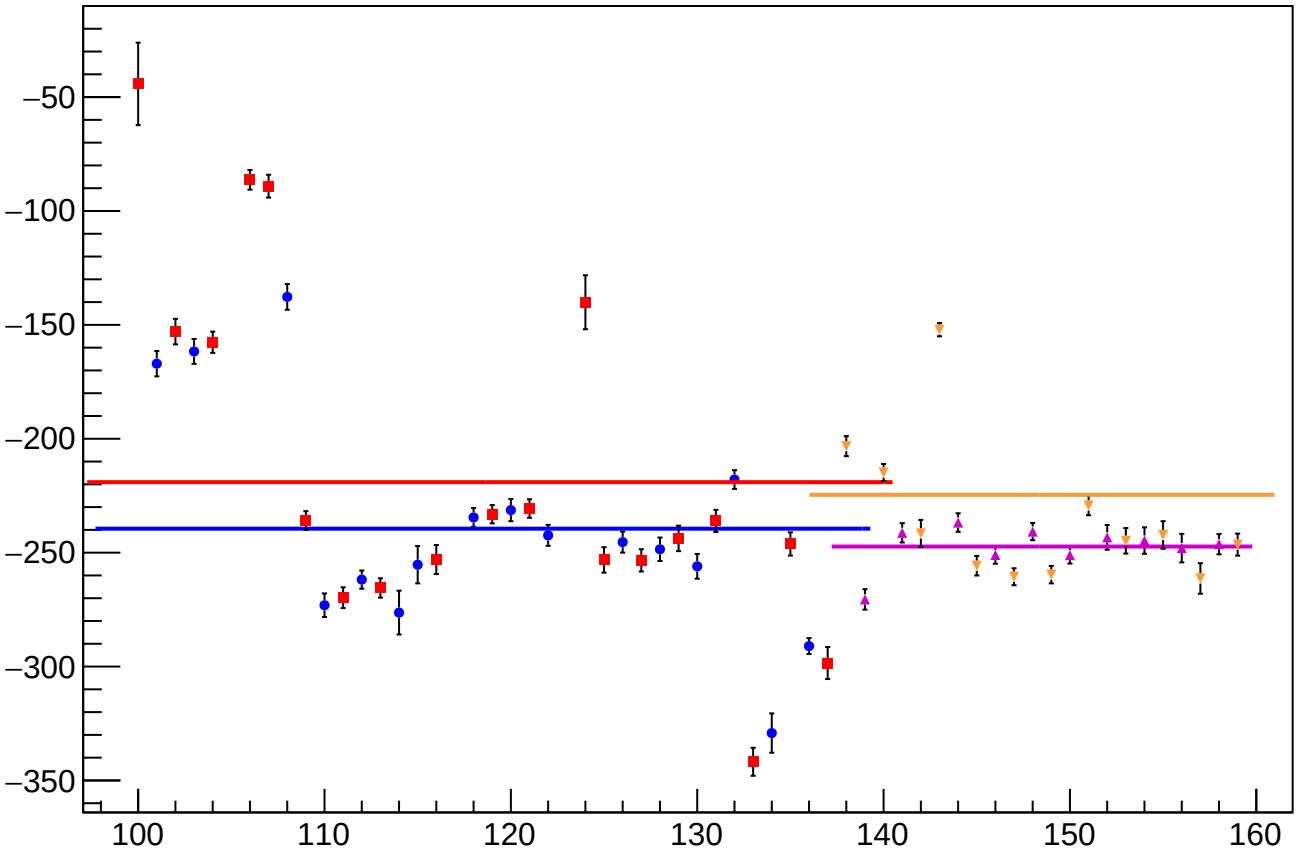
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -5.873+/-0.944 χ^2/NDF:117.3/9

+ sign -0.936+/-0.671 χ^2/NDF: 425.3/27

All: -0.949+/-0.486 χ^2/NDF: 906.6/56

- sign -0.964+/-0.706 χ^2/NDF: 481.4/28



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.601+/-1.249 χ^2/NDF:956.7/11

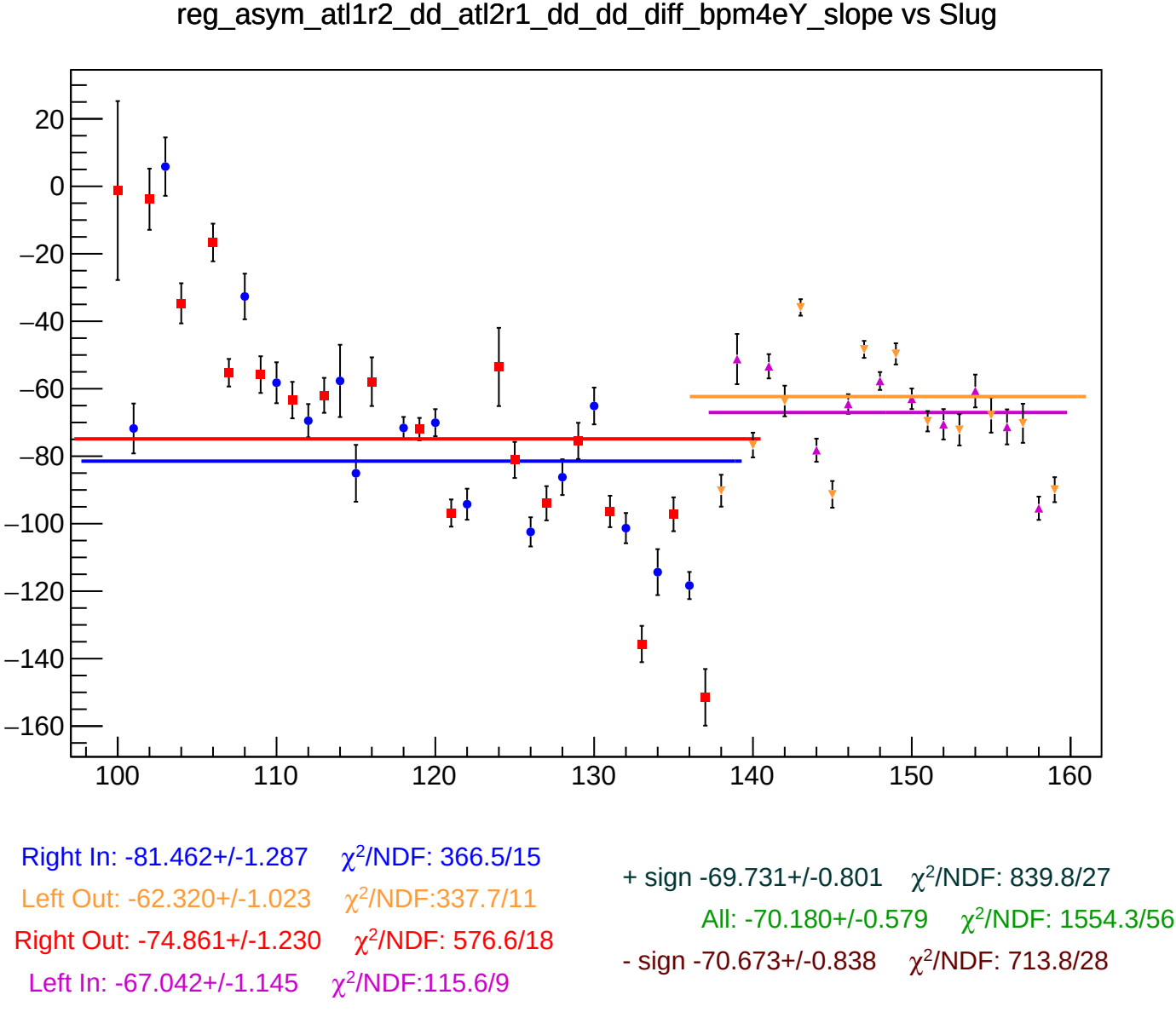
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.311+/-1.393 χ^2/NDF:41.2/9

+ sign -232.057+/-0.882 χ^2/NDF: 2190.0/27

All: -231.447+/-0.629 χ^2/NDF: 5521.6/56

- sign -230.814+/-0.899 χ^2/NDF: 3330.7/28


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug
20
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−120
−140
−160
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160
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -62.320+/-1.023 χ²/NDF:337.7/11
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+ sign -69.731+/-0.801 χ²/NDF: 839.8/27
All: -70.180+/-0.579 χ²/NDF: 1554.3/56
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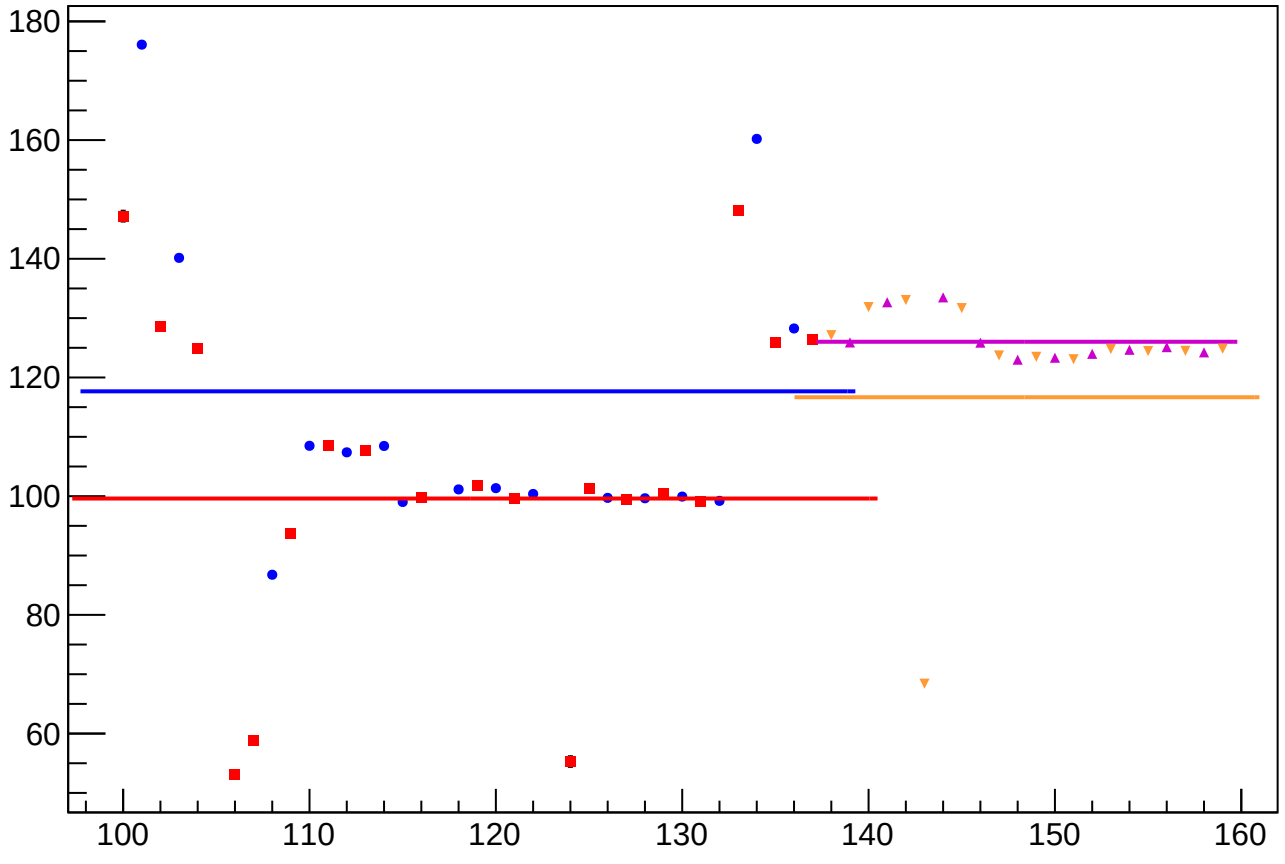


Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.672+/-0.050 χ^2/NDF:193338.3/11

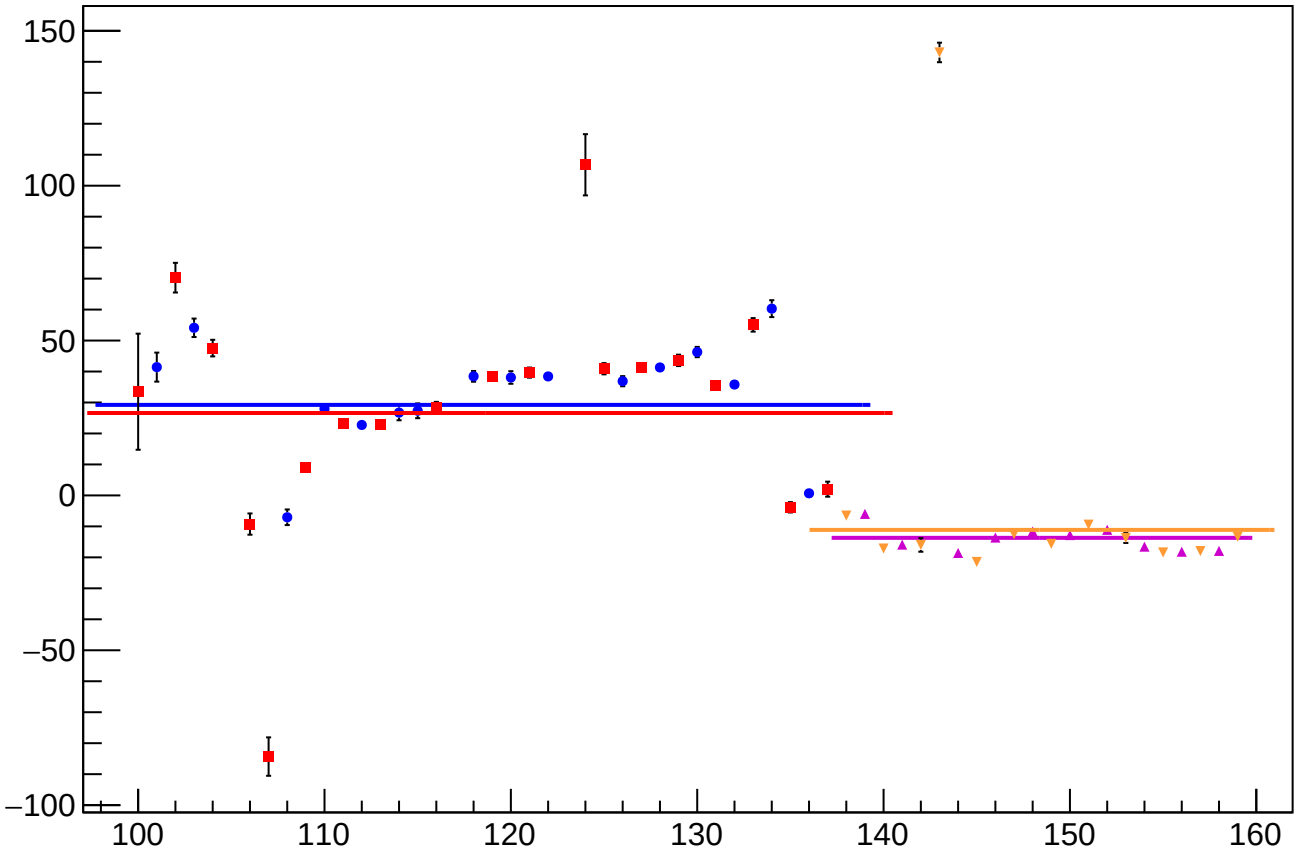
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.018+/-0.054 χ^2/NDF:4171.3/9

+ sign 116.958+/-0.042 χ^2/NDF: 288850.3/27

All: 116.606+/-0.030 χ^2/NDF: 548313.9/56

- sign 116.242+/-0.043 χ^2/NDF: 259320.7/28



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.130+/-0.448 χ^2/NDF:2527.5/11

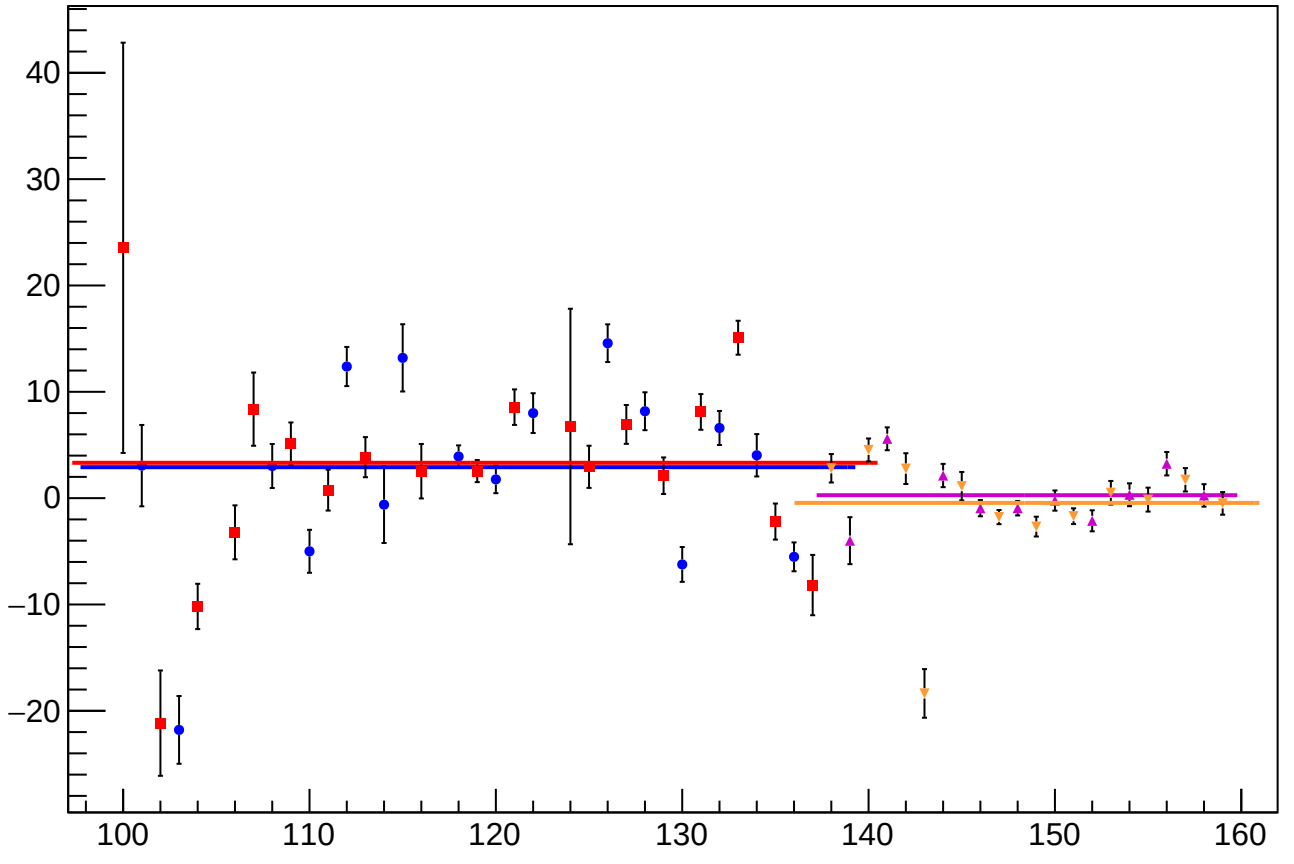
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.700+/-0.457 χ^2/NDF:76.8/9

+ sign 10.137+/-0.308 χ^2/NDF: 8151.0/27

All: 9.293+/-0.217 χ^2/NDF: 14430.9/56

- sign 8.455+/-0.307 χ^2/NDF: 6265.0/28



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.446+/-0.299 χ^2/NDF:112.2/11

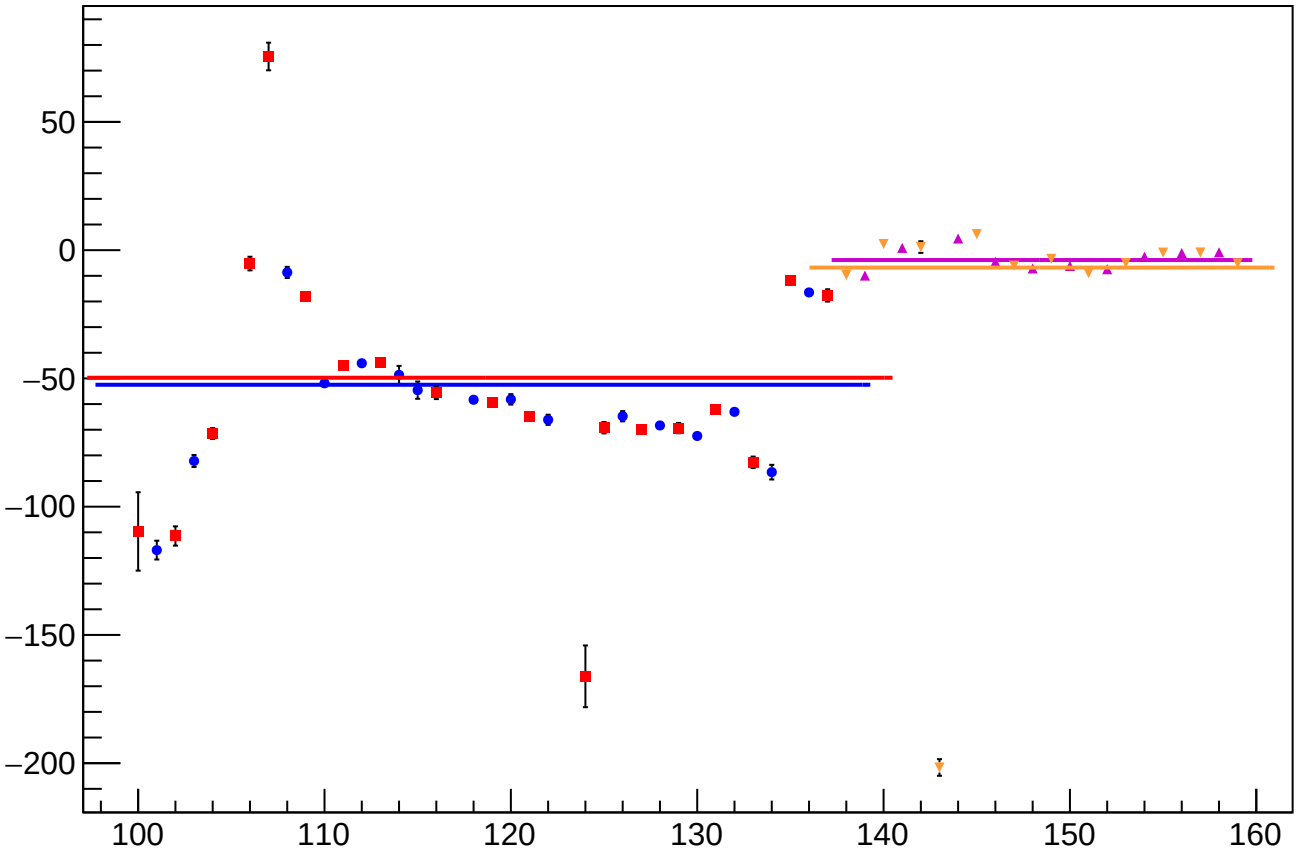
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.277+/-0.309 χ^2/NDF:50.2/9

+ sign 0.607+/-0.248 χ^2/NDF: 401.7/27

All: 0.915+/-0.178 χ^2/NDF: 667.8/56

- sign 1.243+/-0.255 χ^2/NDF: 262.8/28



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Left Out: -6.790+/-0.433 χ^2/NDF:3785.3/11

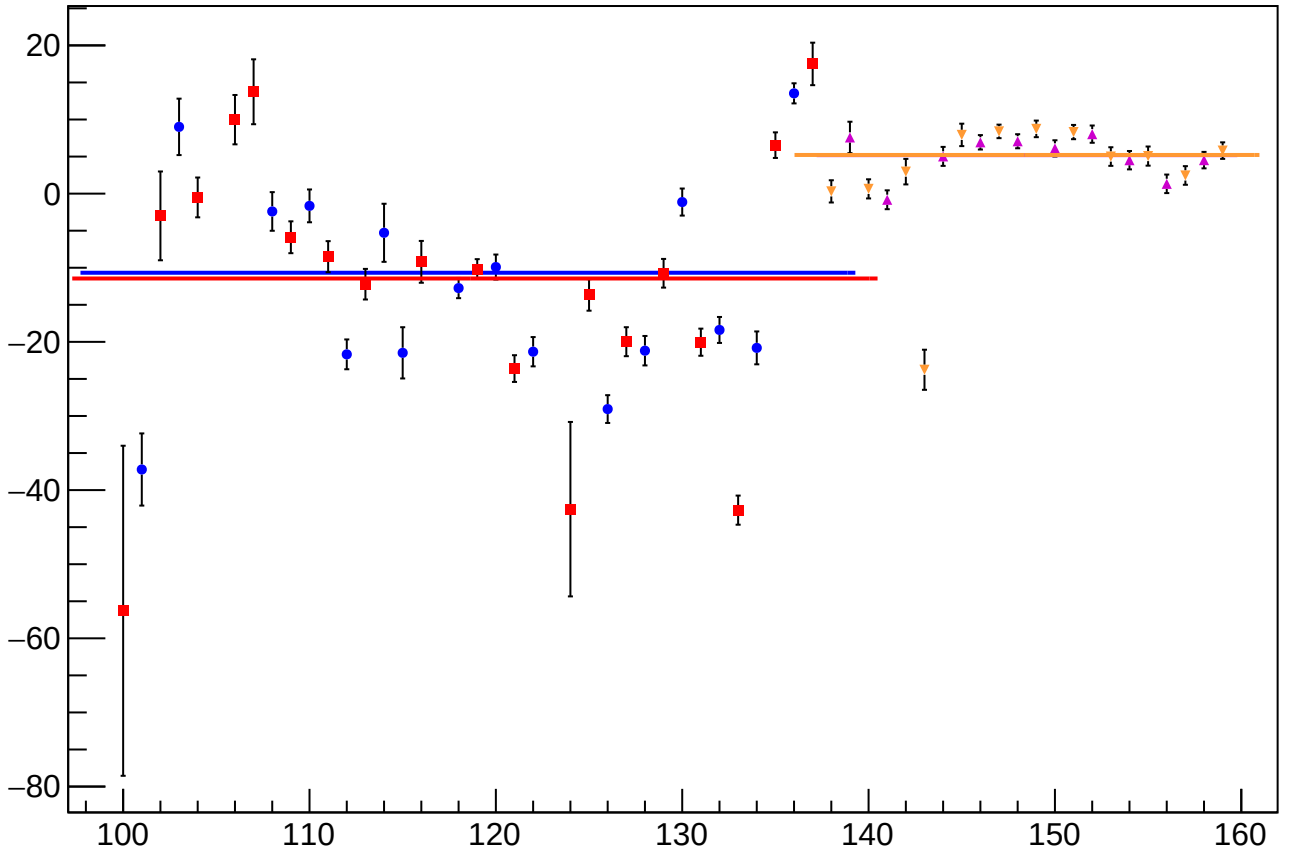
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.846+/-0.442 χ^2/NDF:87.3/9

+ sign -26.939+/-0.324 χ^2/NDF: 11016.4/27

All: -25.619+/-0.231 χ^2/NDF: 18937.6/56

- sign -24.254+/-0.329 χ^2/NDF: 7887.4/28



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.217+/-0.360 χ^2/NDF:180.5/11

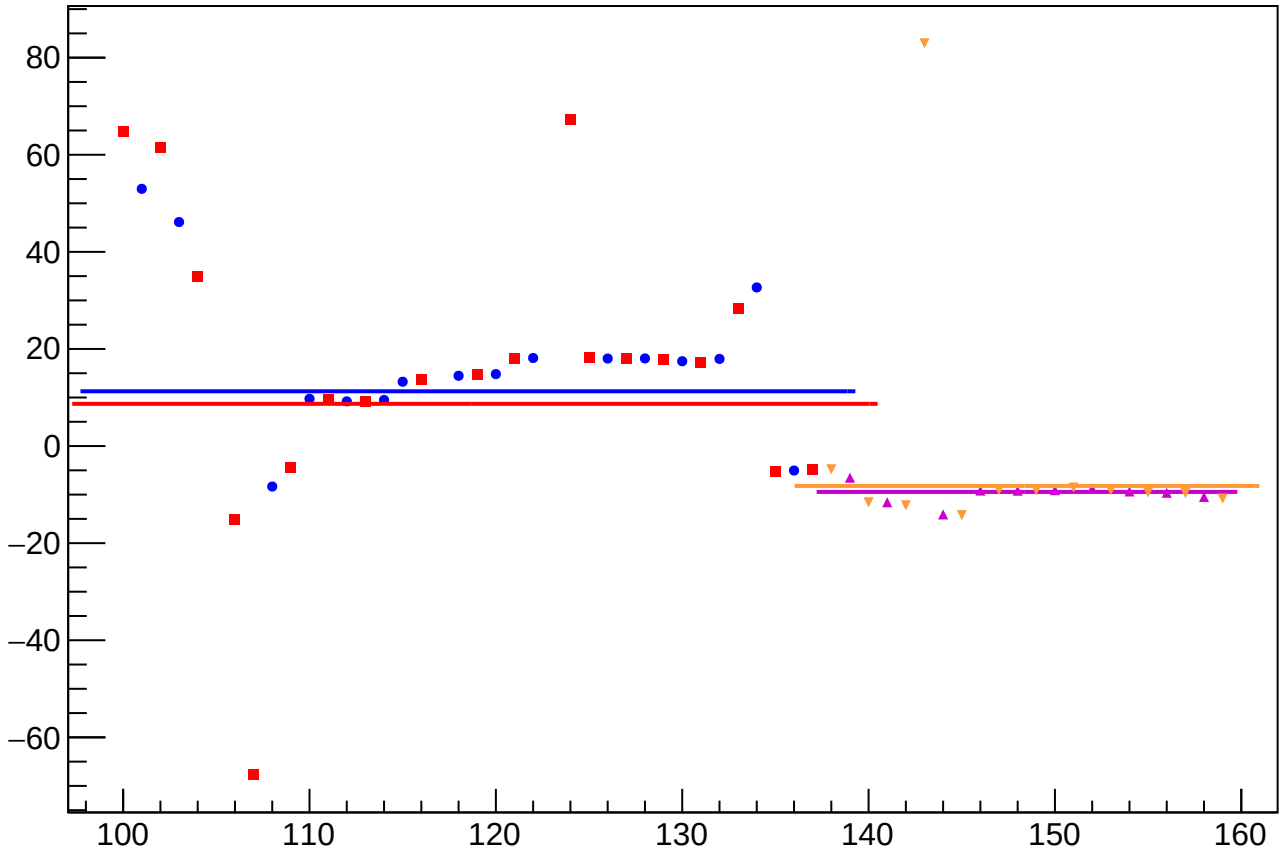
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.194+/-0.370 χ^2/NDF:47.6/9

\+ sign -0.136+/-0.293 χ^2/NDF: 1502.4/27

All: -0.297+/-0.210 χ^2/NDF: 2902.8/56

\- sign -0.467+/-0.301 χ^2/NDF: 1399.8/28



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.212+/-0.016 χ^2/NDF:479529.4/11

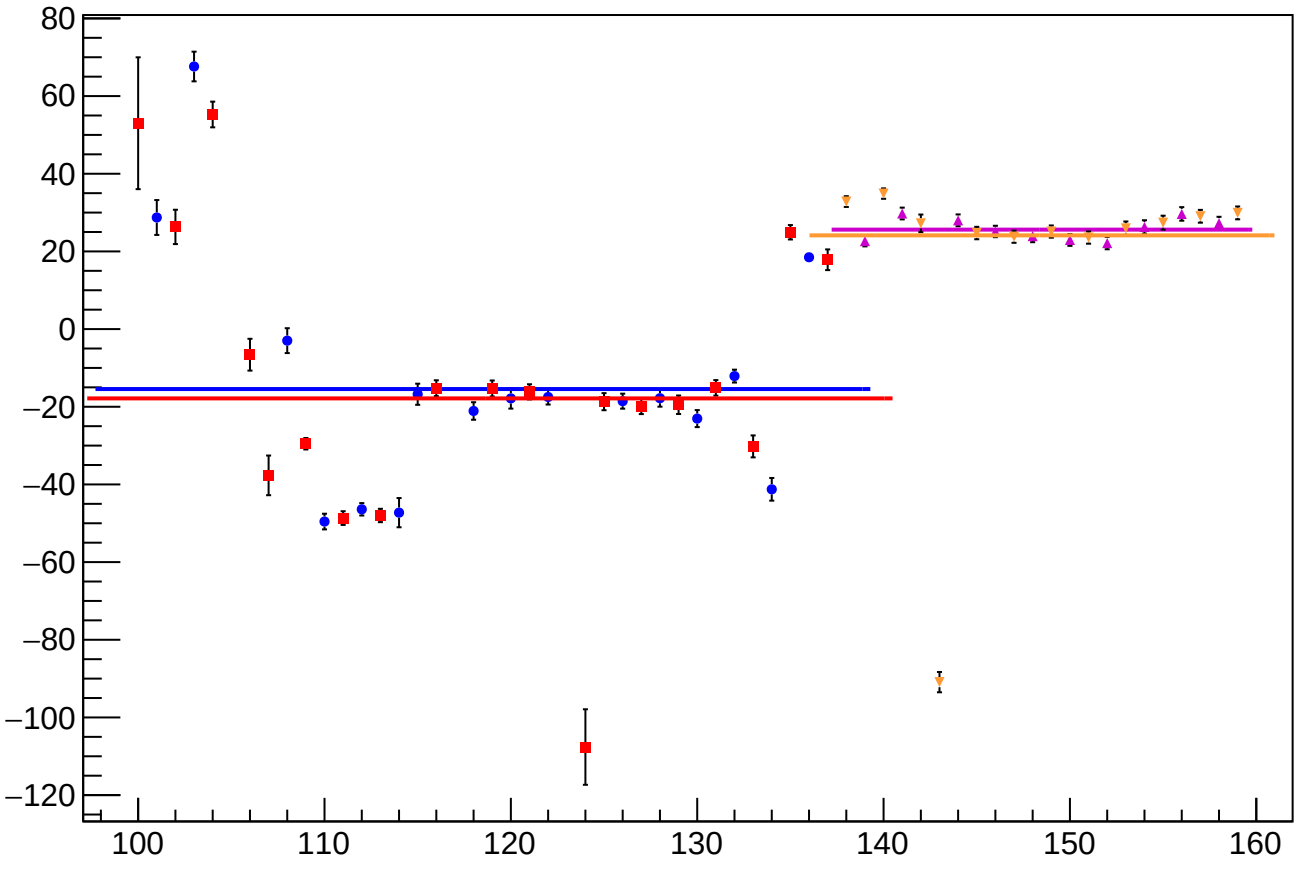
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.453+/-0.017 χ^2/NDF:10727.4/9

+ sign -3.668+/-0.014 χ^2/NDF: 1154188.5/27

All: -4.560+/-0.010 χ^2/NDF: 1869535.1/56

- sign -5.483+/-0.015 χ^2/NDF: 707590.7/28



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.135+/-0.478 χ^2/NDF:2071.0/11

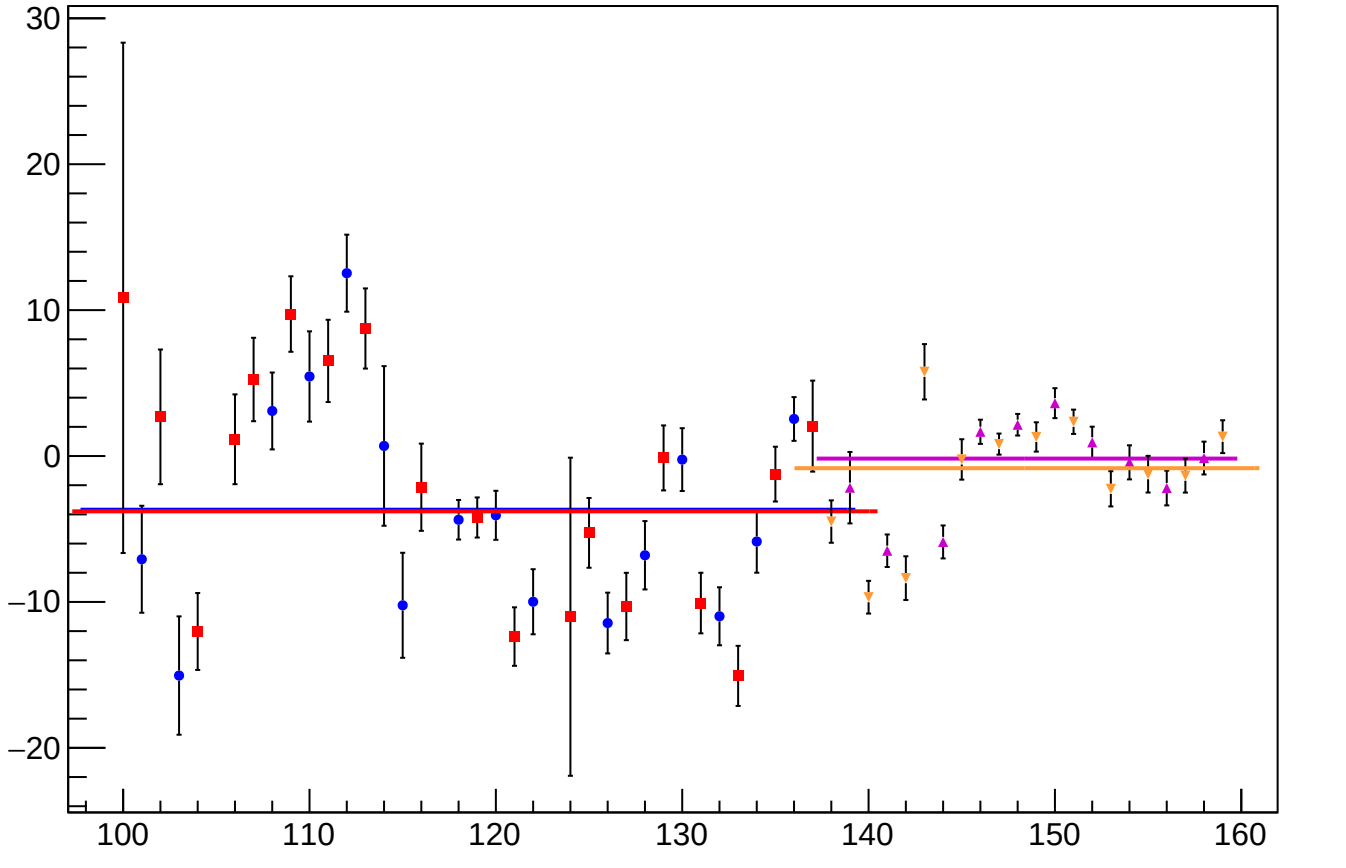
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

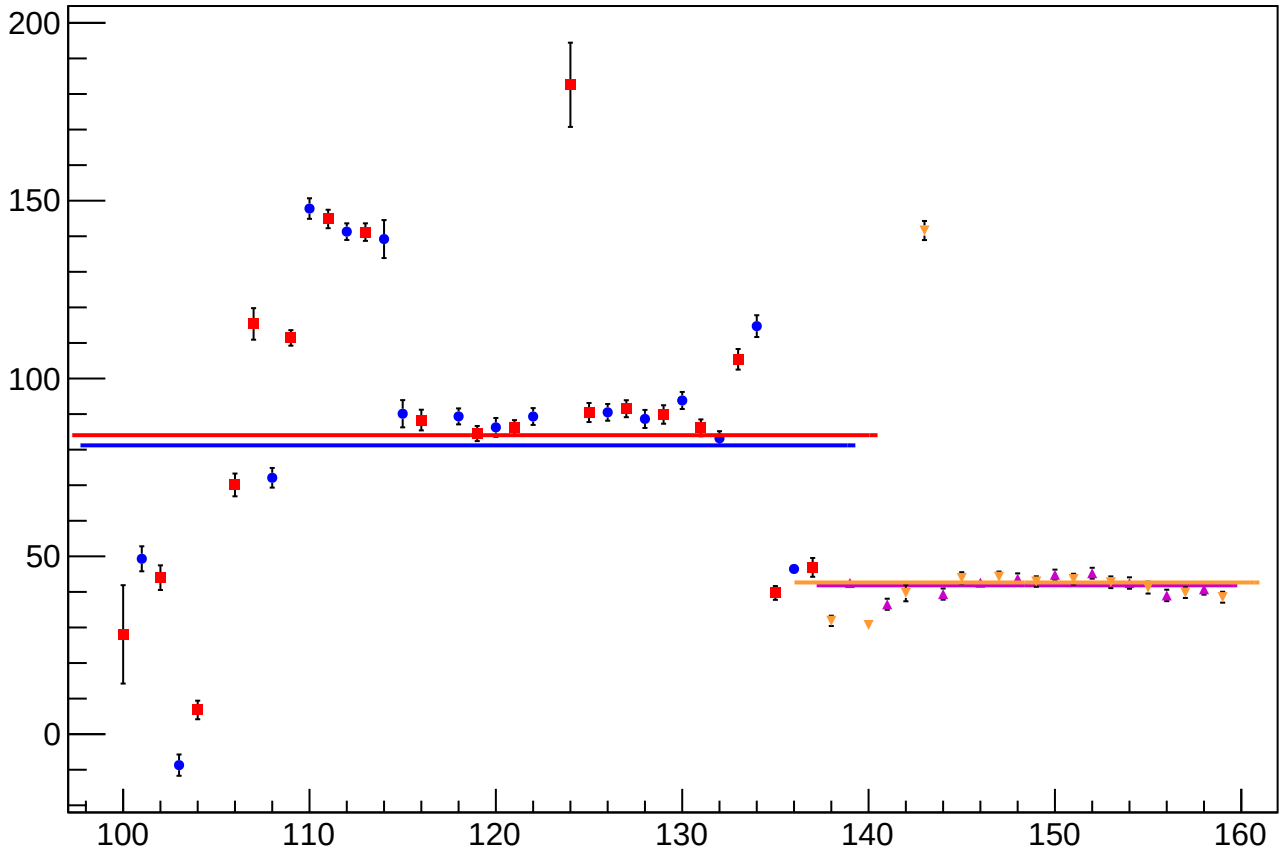
Left In: 25.611+/-0.492 χ^2/NDF:30.2/9

+ sign 6.709+/-0.358 χ^2/NDF: 7211.4/27

All: 6.096+/-0.254 χ^2/NDF: 12985.8/56

- sign 5.473+/-0.361 χ^2/NDF: 5768.5/28


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: -0.175+/-0.332 χ²/NDF:90.7/9
+ sign -1.552+/-0.277 χ²/NDF: 279.8/27
All: -1.336+/-0.199 χ²/NDF: 563.5/56
- sign -1.106+/-0.286 χ²/NDF: 282.5/28



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.654+/-0.463 χ^2/NDF:1502.8/11

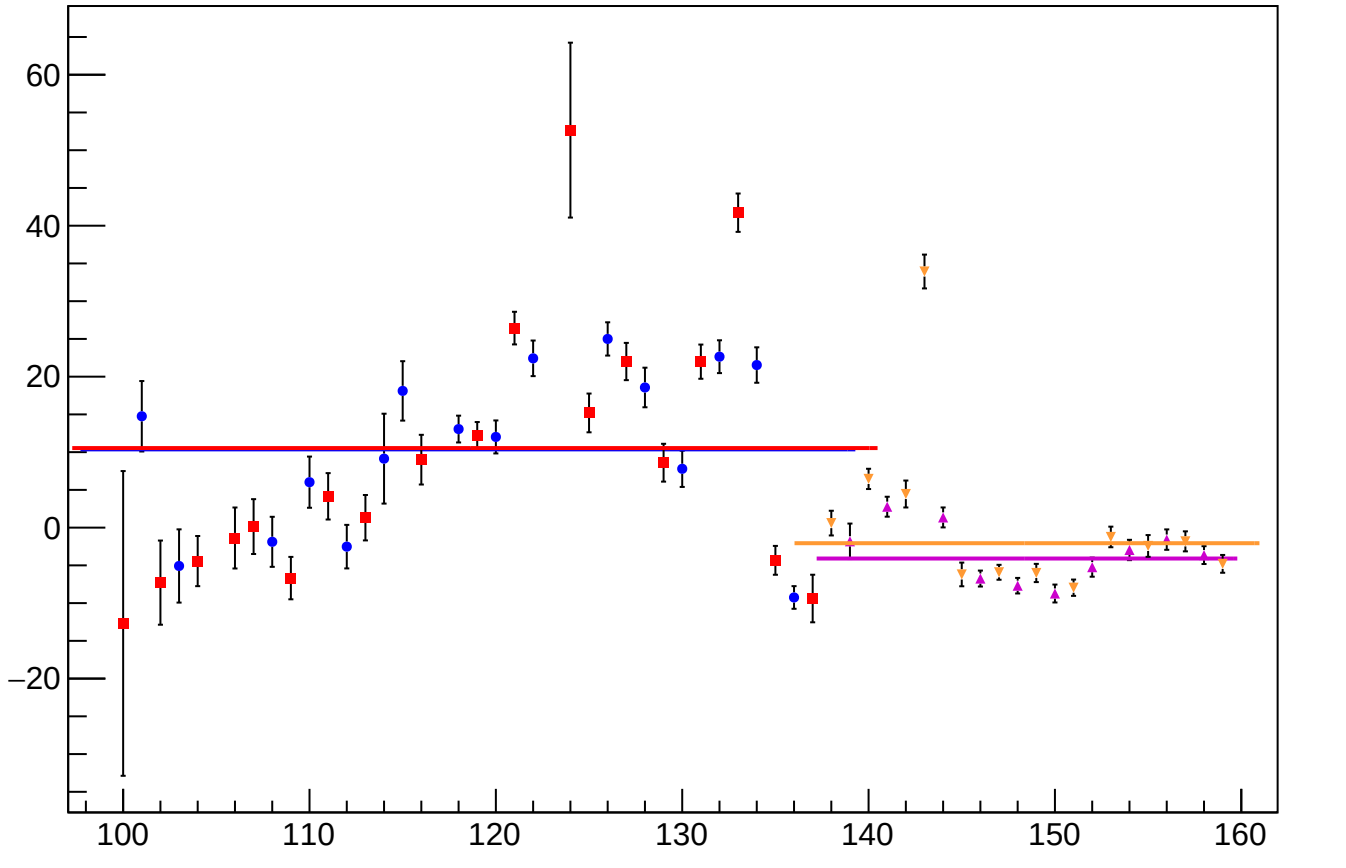
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.853+/-0.476 χ^2/NDF:29.5/9

\+ sign 56.849+/-0.368 χ^2/NDF: 7280.9/27

All: 57.226+/-0.263 χ^2/NDF: 13458.2/56

\- sign 57.621+/-0.377 χ^2/NDF: 6175.2/28



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -2.064+/-0.386 χ^2/NDF:382.7/11

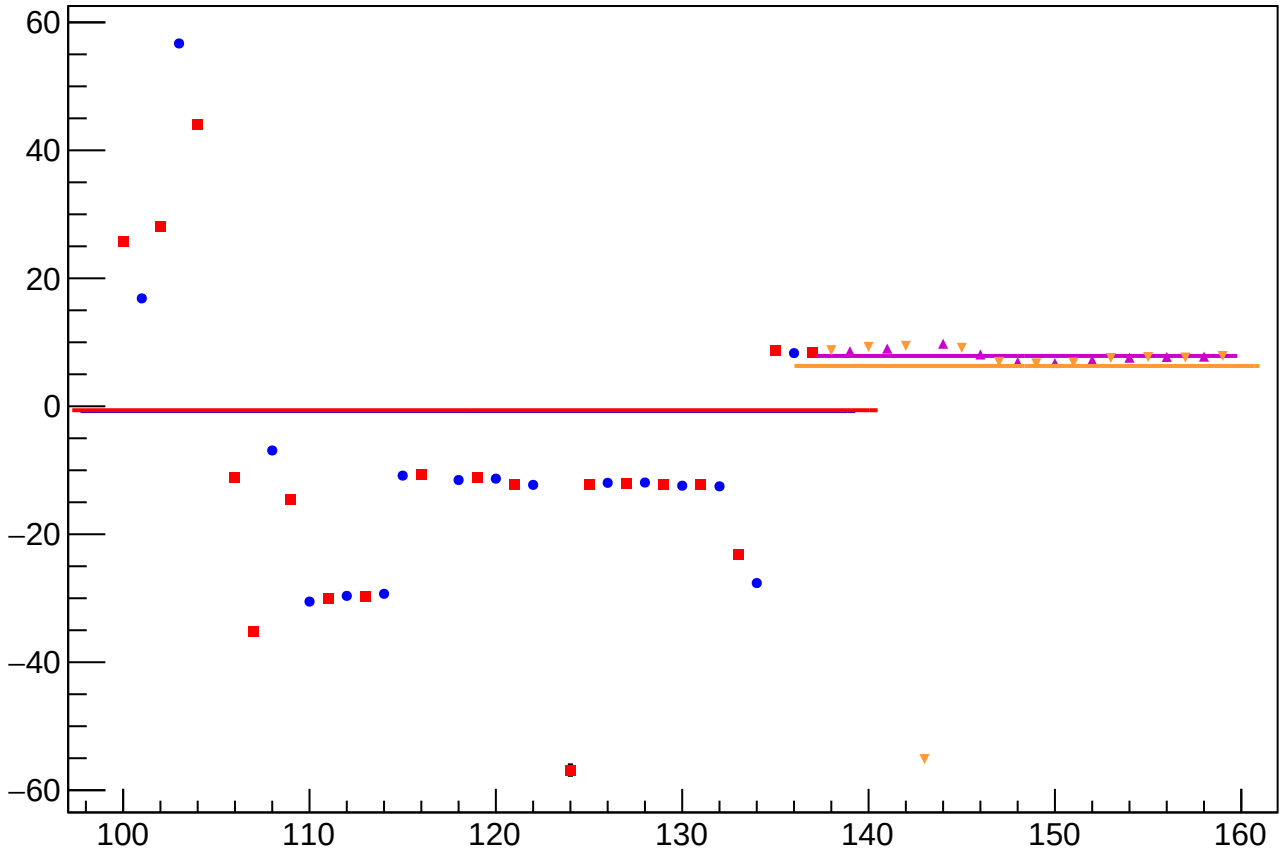
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.094+/-0.398 χ^2/NDF:83.8/9

+ sign 1.353+/-0.328 χ^2/NDF: 1027.9/27

All: 0.688+/-0.236 χ^2/NDF: 1967.7/56

- sign -0.017+/-0.338 χ^2/NDF: 931.3/28



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

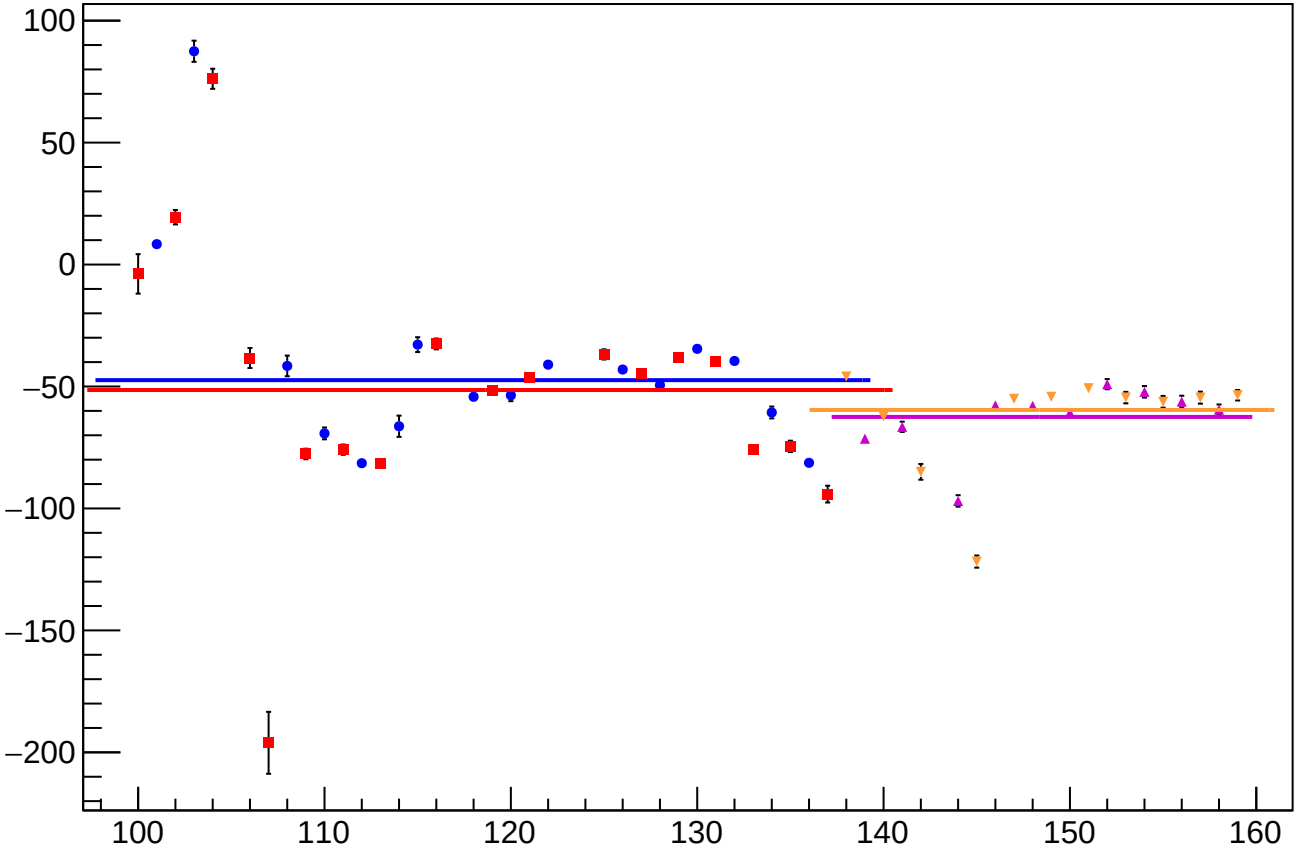
Left In: 7.869+/-0.018 χ^2/NDF:2109.4/9

+ sign 4.922+/-0.016 χ^2/NDF: 711379.0/27

All: 5.587+/-0.011 χ^2/NDF: 1075561.3/56

- sign 6.278+/-0.016 χ^2/NDF: 360598.3/28

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

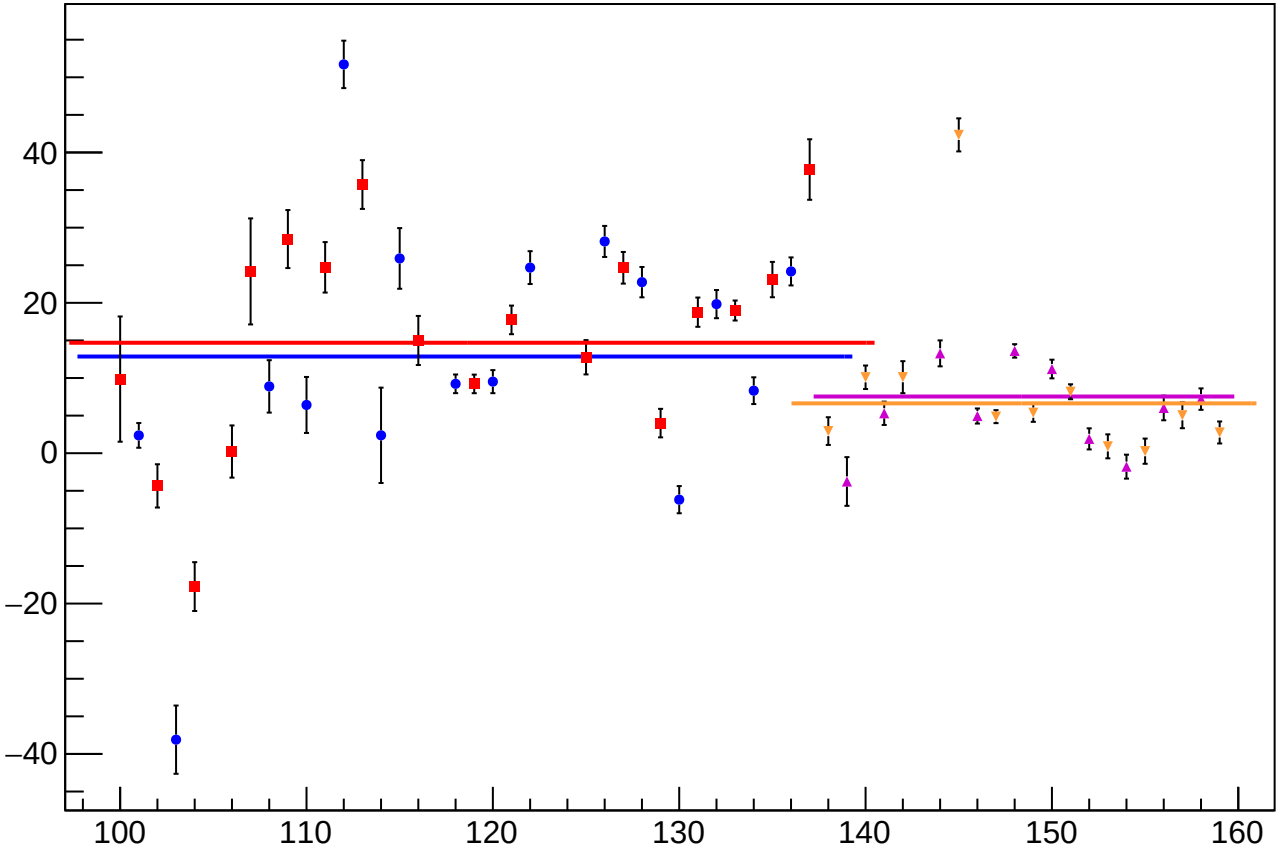
Left In: -62.469+/-0.645 χ^2/NDF:326.9/9

+ sign -52.405+/-0.411 χ^2/NDF: 3781.9/26

All: -54.196+/-0.293 χ^2/NDF: 7190.4/54

- sign -56.035+/-0.416 χ^2/NDF: 3370.0/27

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

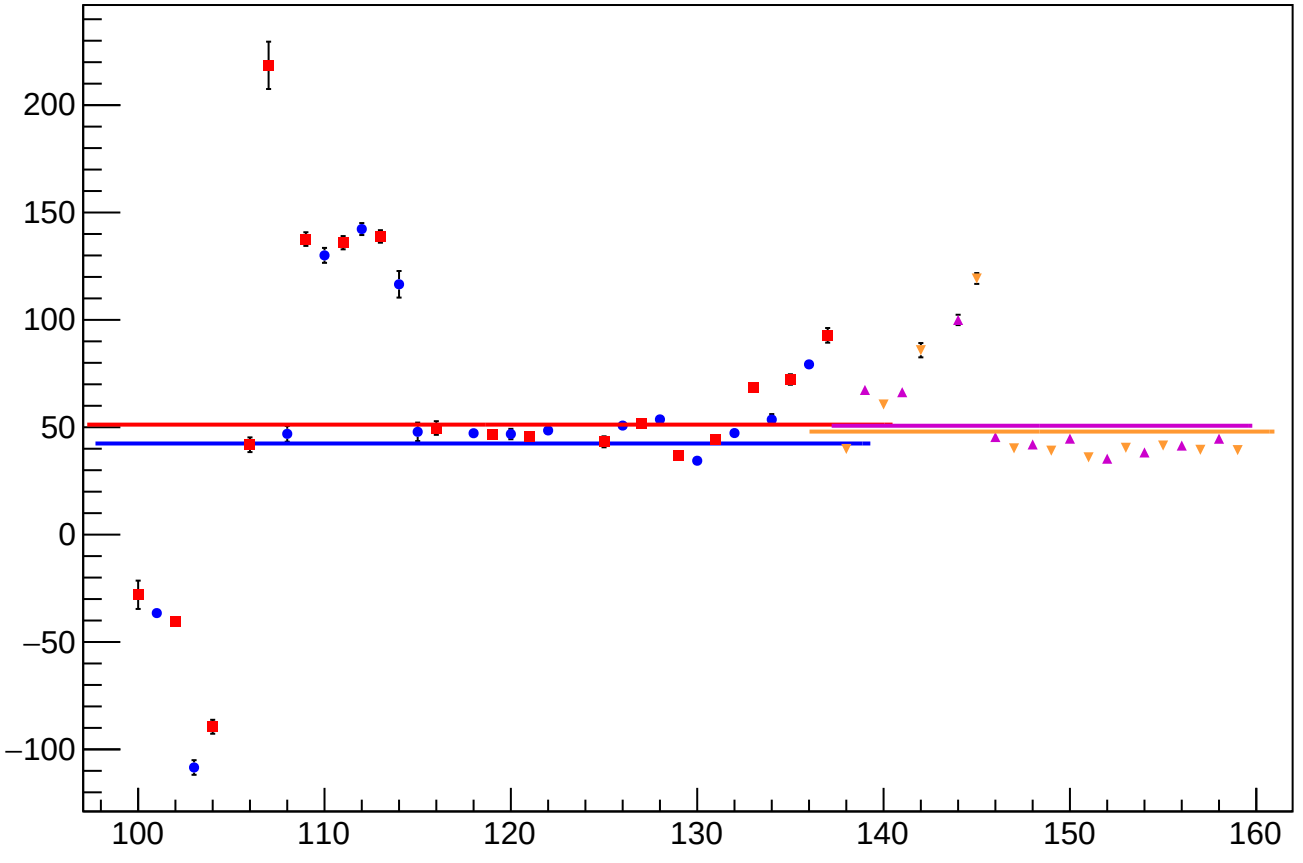
Left In: 7.540+/-0.426 χ^2/NDF:137.8/9

+ sign 9.084+/-0.326 χ^2/NDF: 1030.9/26

All: 9.654+/-0.234 χ^2/NDF: 1646.0/54

- sign 10.261+/-0.336 χ^2/NDF: 608.8/27

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

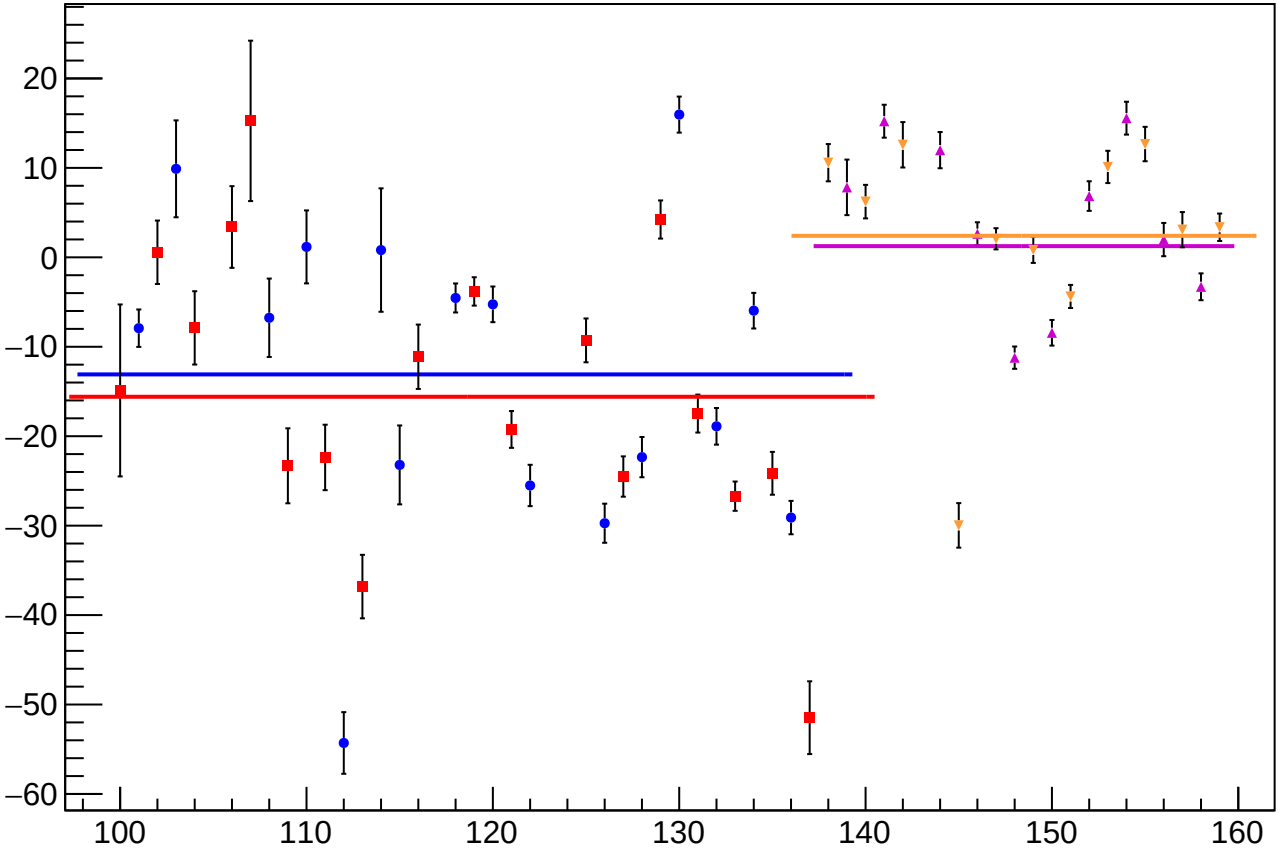
Left In: 50.706+/-0.622 χ^2/NDF:711.4/9

\+ sign 45.051+/-0.425 χ^2/NDF: 8345.7/26

All: 47.926+/-0.305 χ^2/NDF: 15762.9/54

\- sign 50.969+/-0.437 χ^2/NDF: 7323.0/27

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

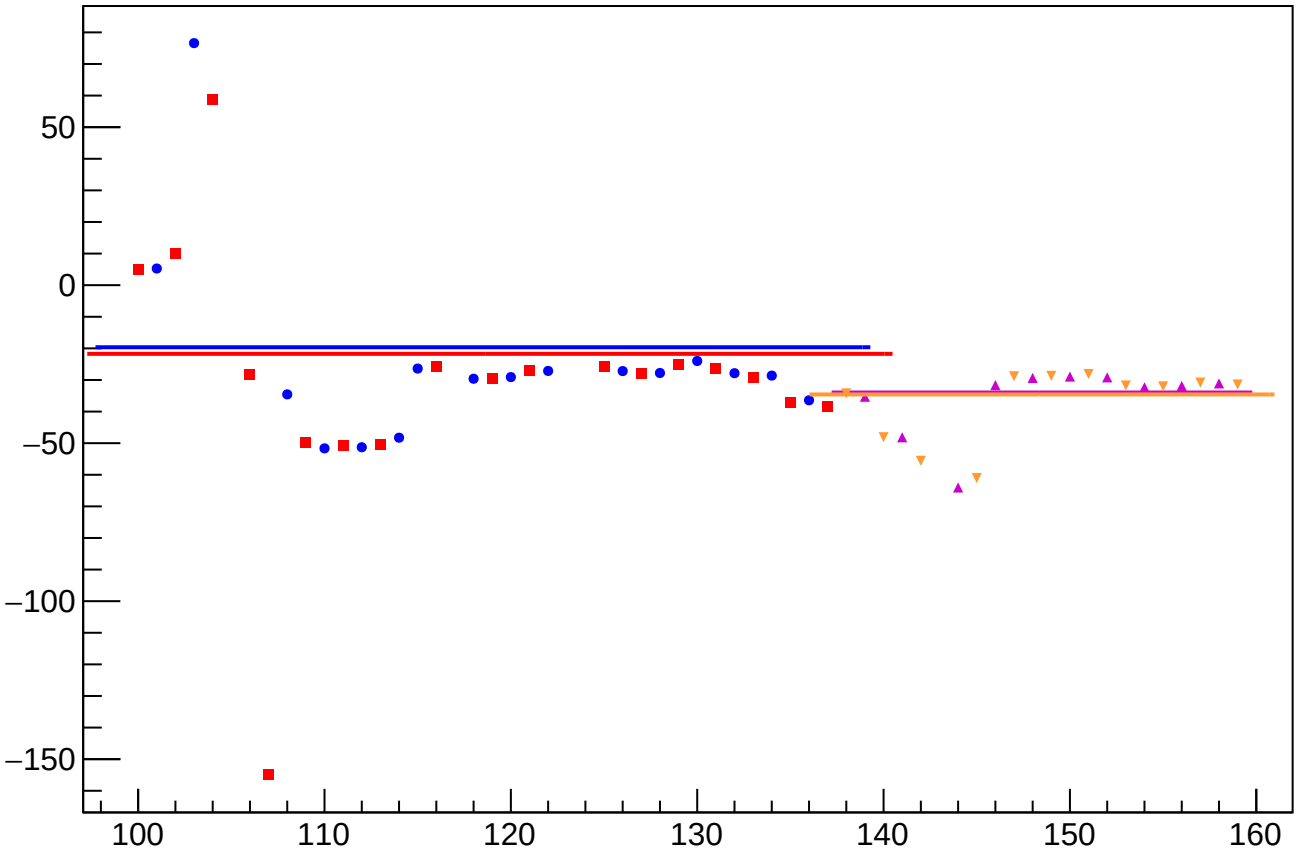
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.252+/-0.515 χ^2/NDF:318.3/9

\+ sign -4.067+/-0.388 χ^2/NDF: 1309.5/26

All: -4.779+/-0.278 χ^2/NDF: 2467.7/54

\- sign -5.528+/-0.398 χ^2/NDF: 1151.3/27



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

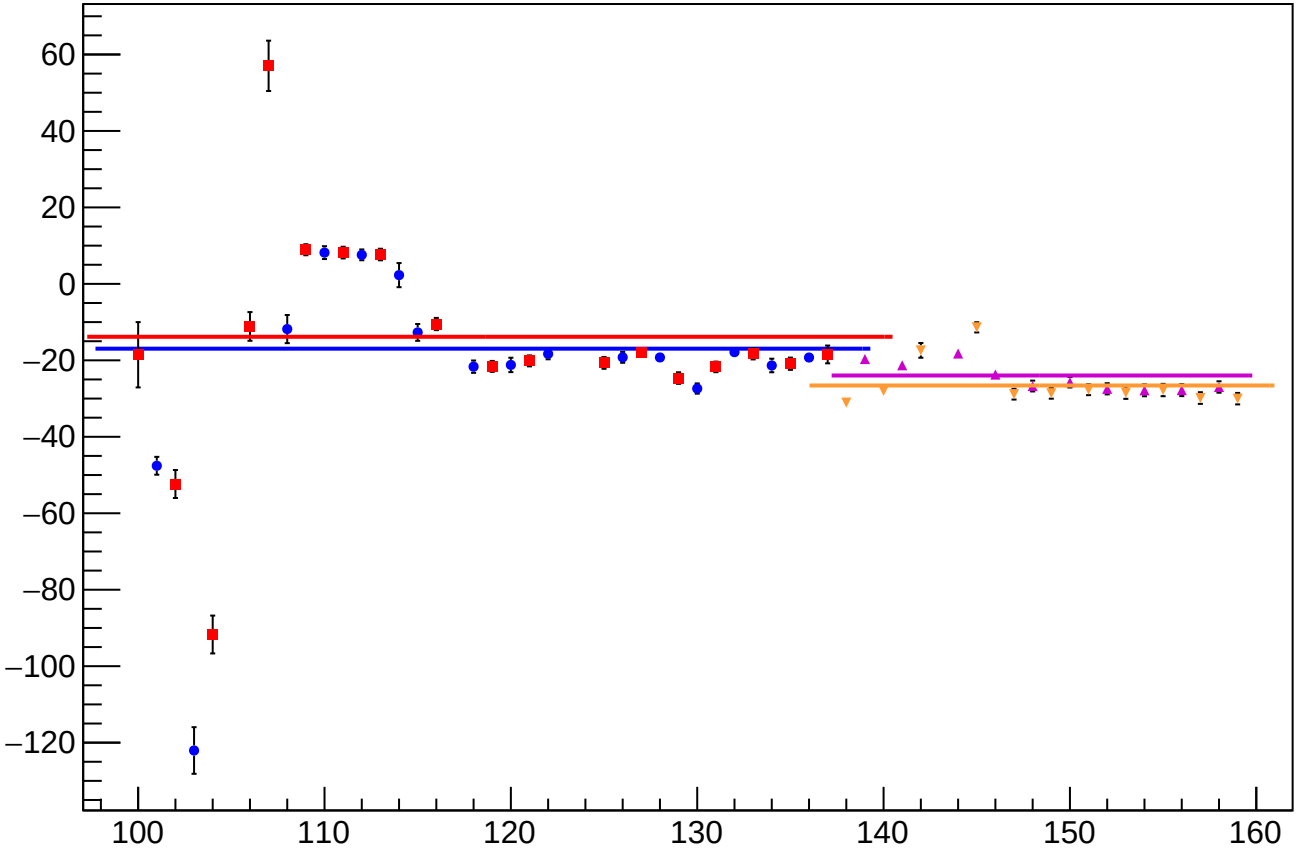
Left In: -33.969+/-0.023 χ^2/NDF:121019.7/9

+ sign -30.064+/-0.020 χ^2/NDF: 913050.6/26

All: -30.378+/-0.014 χ^2/NDF: 1653838.1/54

- sign -30.700+/-0.020 χ^2/NDF: 740279.7/27

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

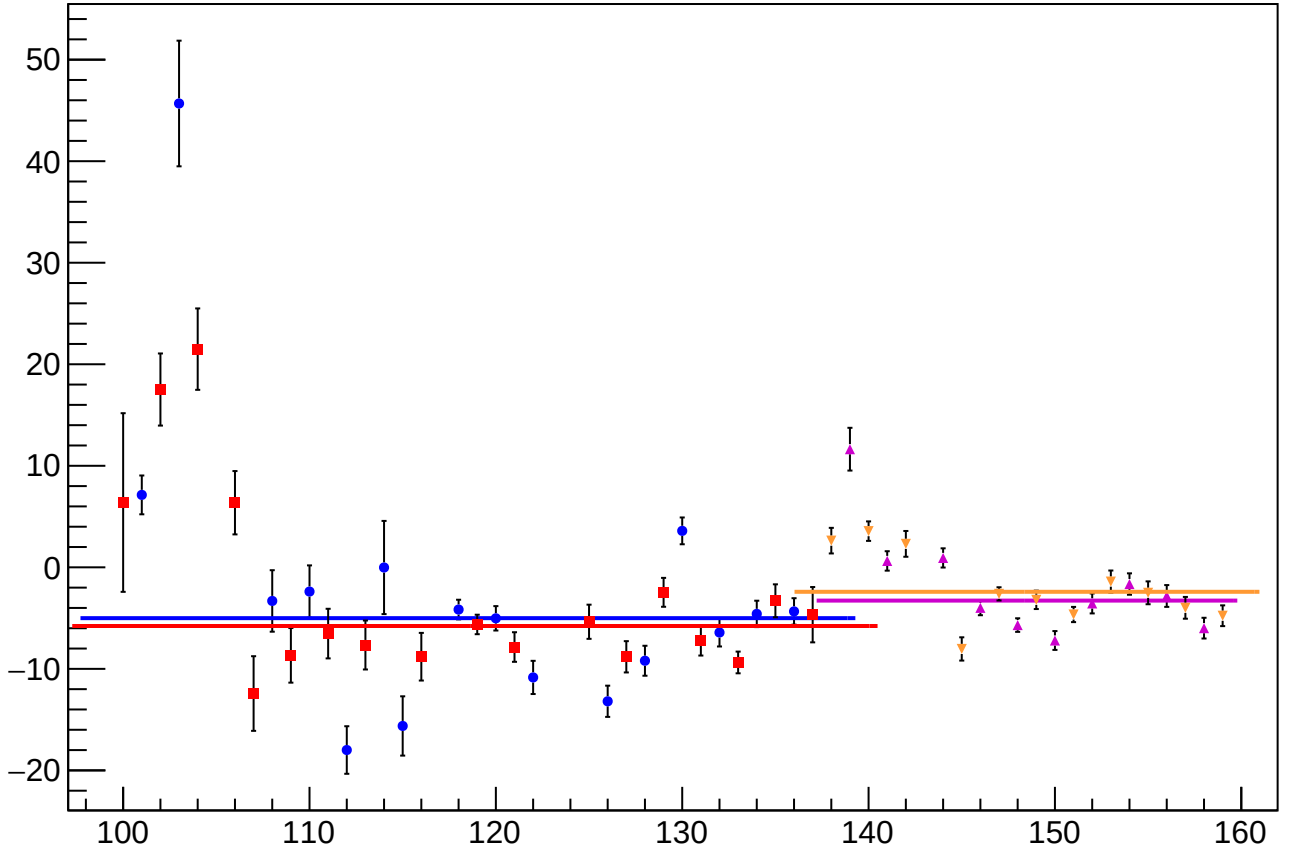
Left In: -23.965+/-0.434 χ^2/NDF:65.4/9

\+ sign -21.463+/-0.294 χ^2/NDF: 1579.5/26

All: -20.048+/-0.209 χ^2/NDF: 3313.0/54

\- sign -18.600+/-0.298 χ^2/NDF: 1686.6/27

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

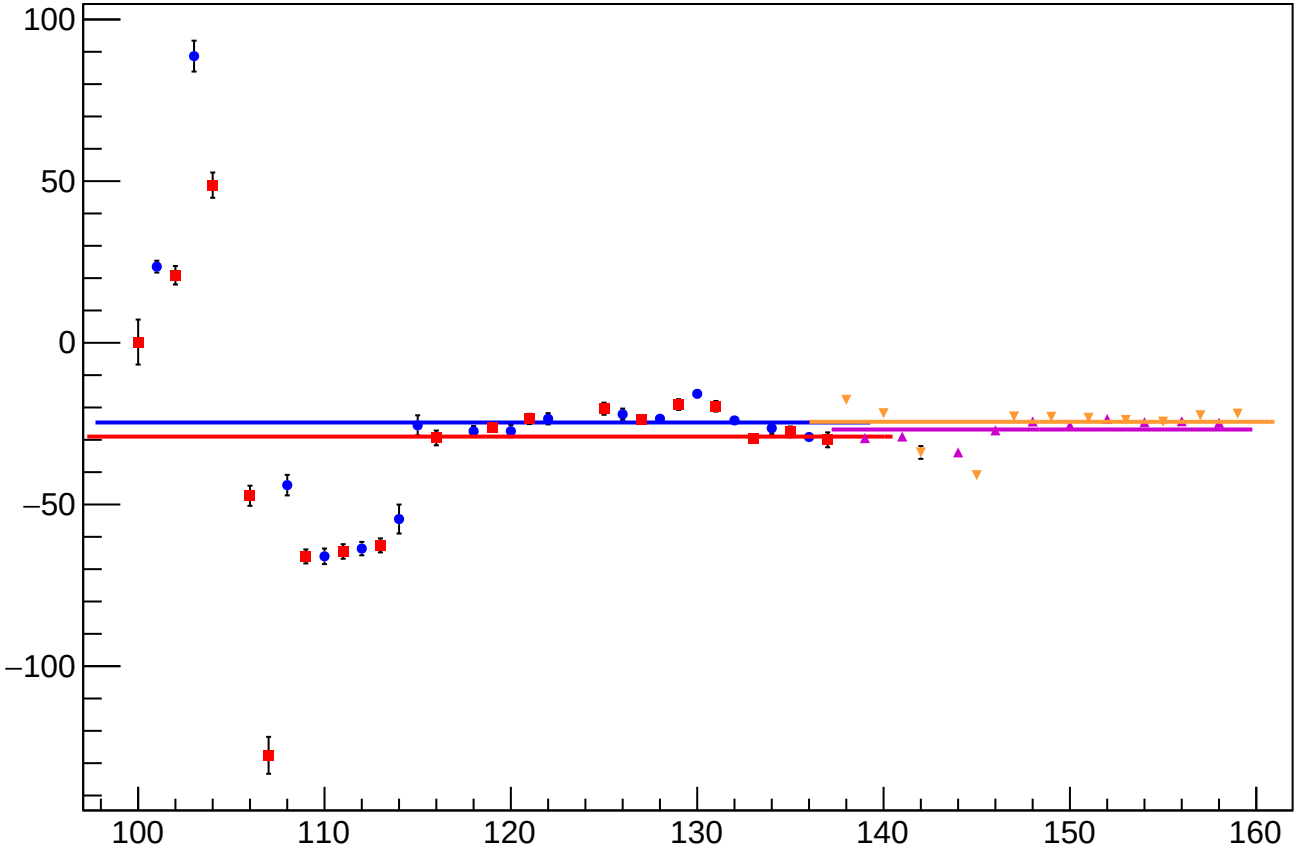
Left In: -3.277+/-0.295 χ^2/NDF:128.2/9

+ sign -3.299+/-0.235 χ^2/NDF: 386.0/26

All: -3.691+/-0.168 χ^2/NDF: 683.1/54

- sign -4.105+/-0.241 χ^2/NDF: 291.3/27

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

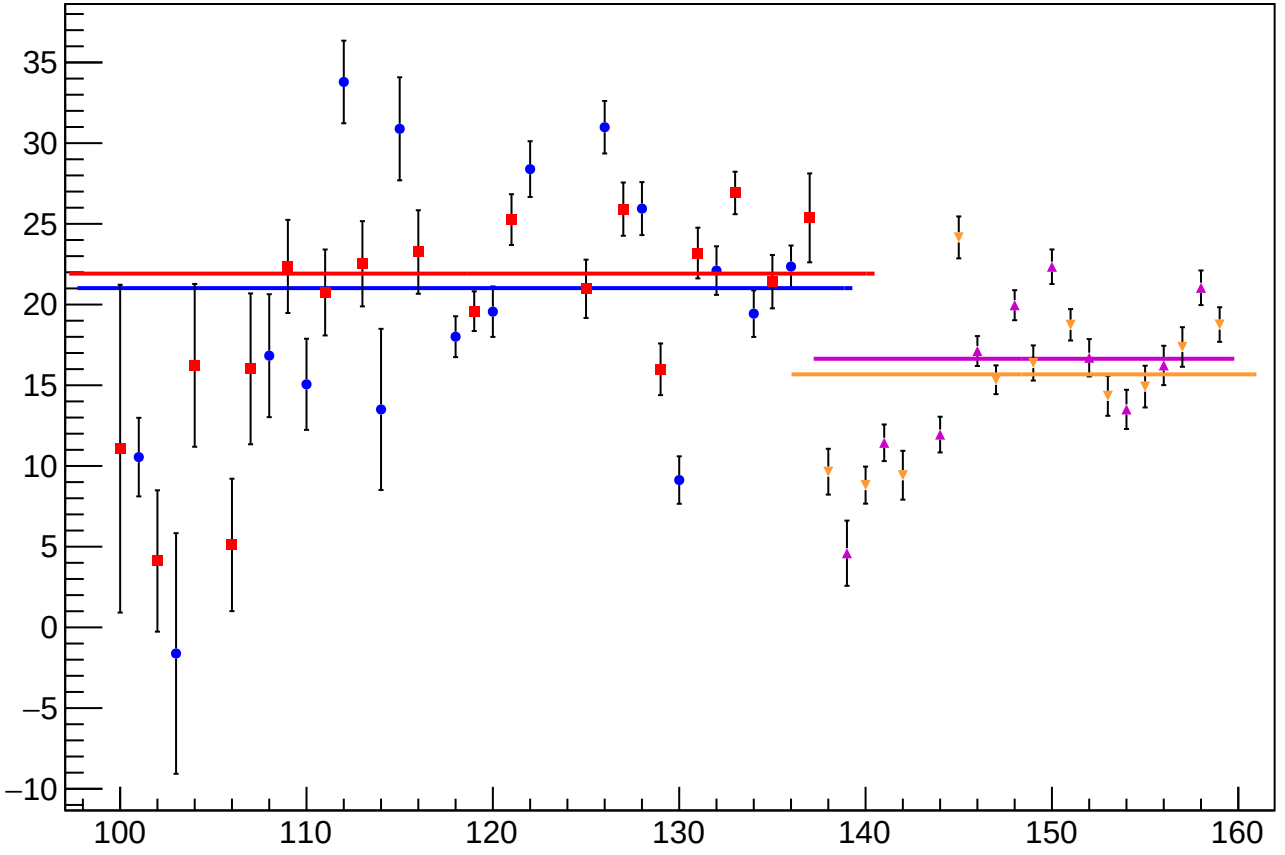
Left In: -26.814+/-0.421 χ^2/NDF:54.1/9

+ sign -24.527+/-0.307 χ^2/NDF: 2265.3/26

All: -26.111+/-0.220 χ^2/NDF: 4338.0/54

- sign -27.776+/-0.315 χ^2/NDF: 2018.2/27

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

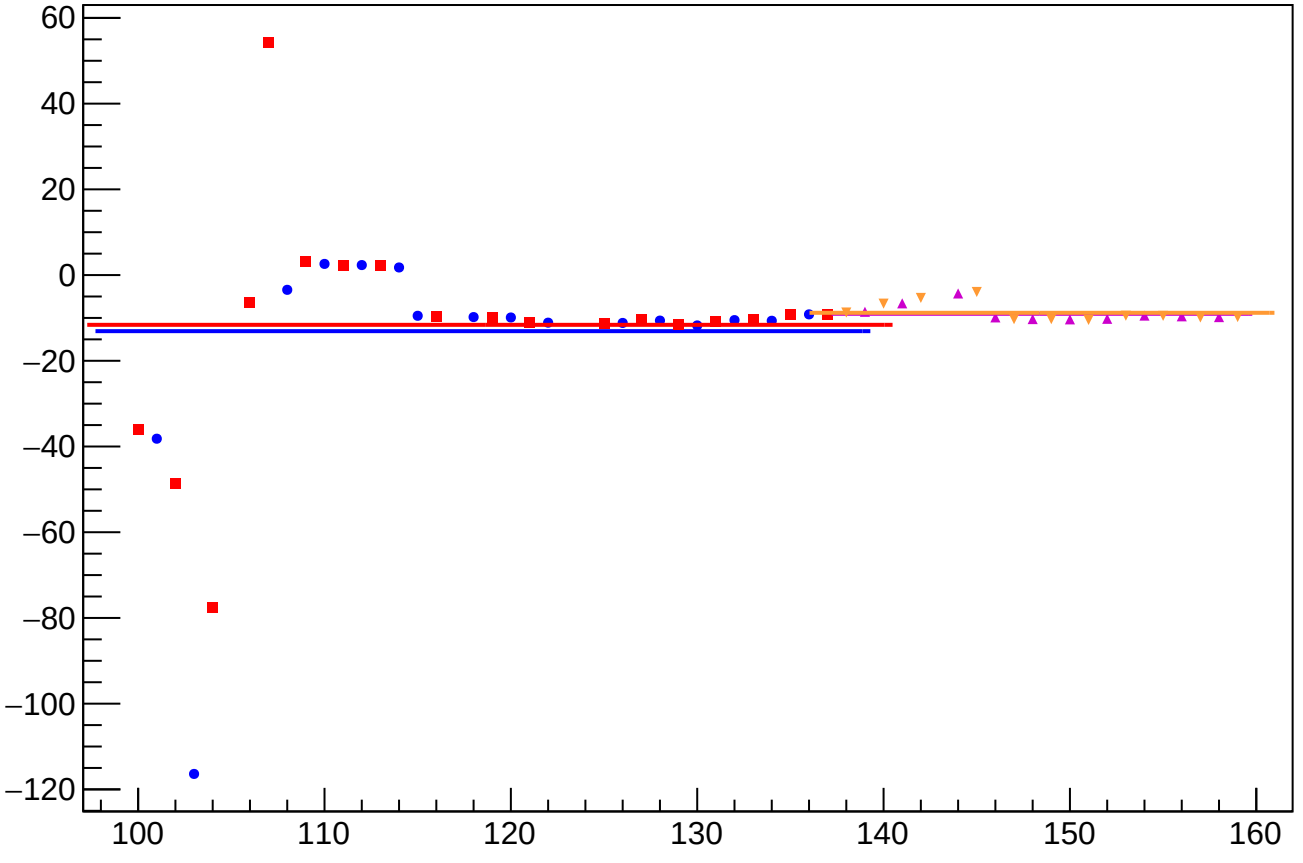
Left In: 16.641+/-0.354 χ^2/NDF:139.6/9

+ sign 17.635+/-0.277 χ^2/NDF: 431.5/26

All: 18.059+/-0.199 χ^2/NDF: 737.1/54

- sign 18.505+/-0.284 χ^2/NDF: 300.8/27

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

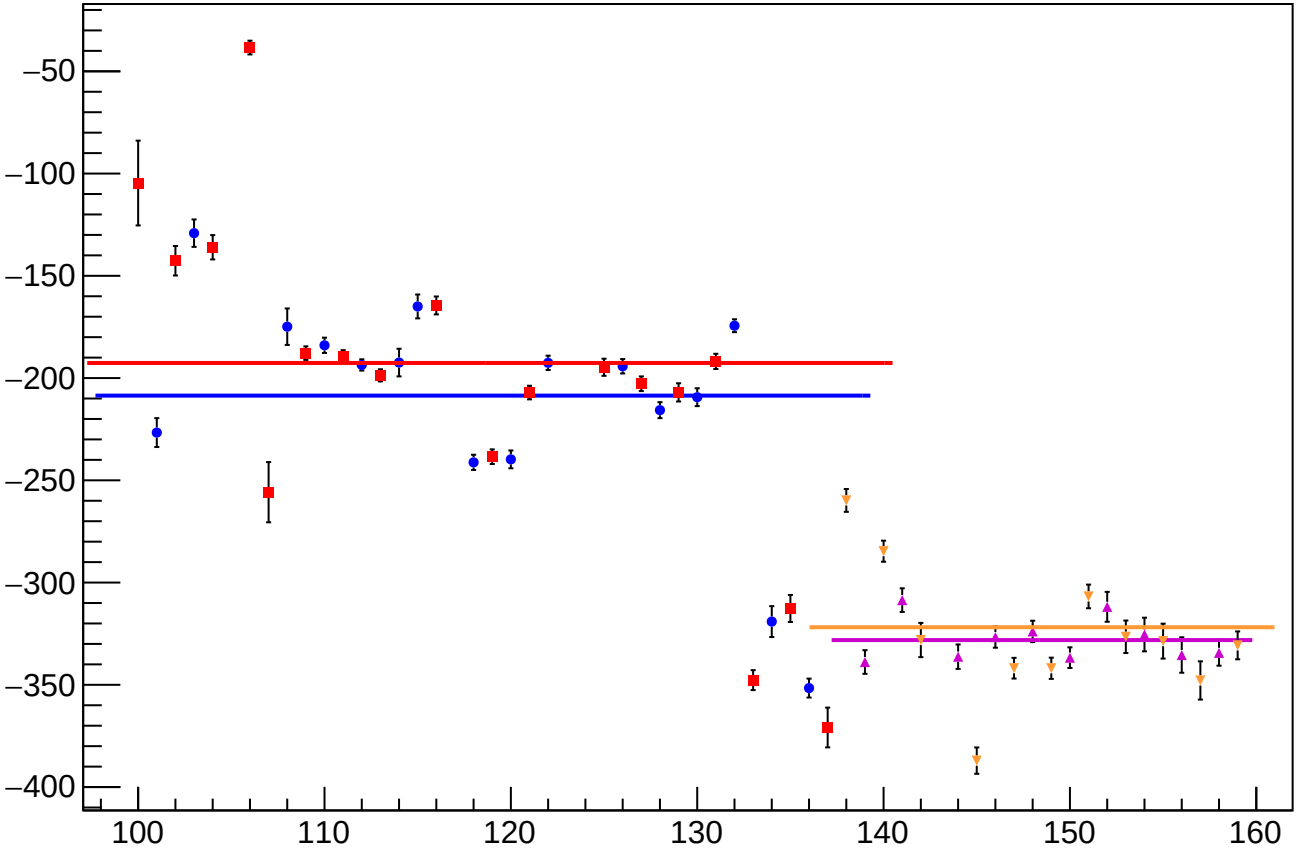
Left In: -9.037+/-0.016 χ^2/NDF:11072.9/9

+ sign -9.828+/-0.014 χ^2/NDF: 377676.2/26

All: -9.705+/-0.010 χ^2/NDF: 708576.1/54

- sign -9.577+/-0.014 χ^2/NDF: 330739.2/27

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

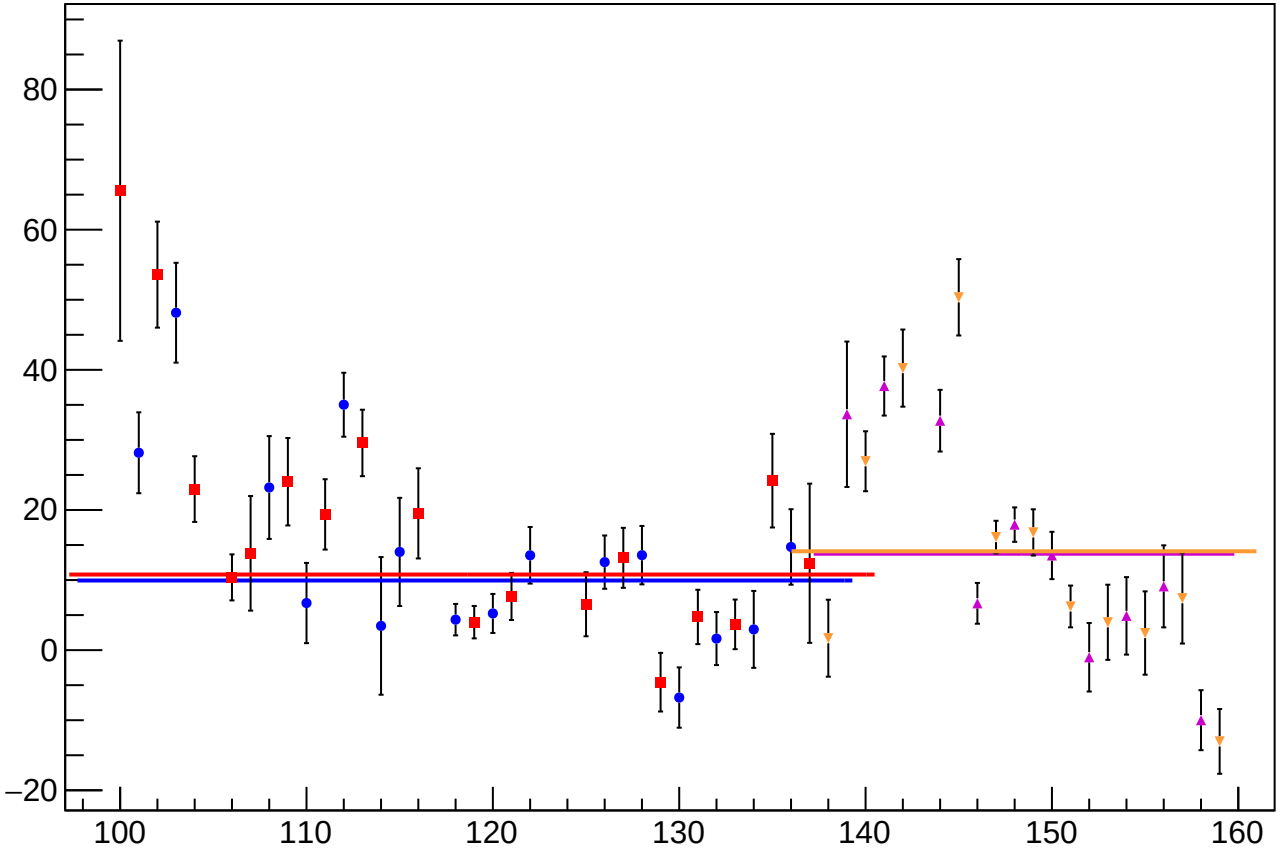
Left In: -328.123+/-1.914 χ^2/NDF:27.2/9

\+ sign -235.702+/-0.930 χ^2/NDF: 4777.8/26

All: -228.319+/-0.641 χ^2/NDF: 13072.3/54

\- sign -221.628+/-0.885 χ^2/NDF: 8174.4/27

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

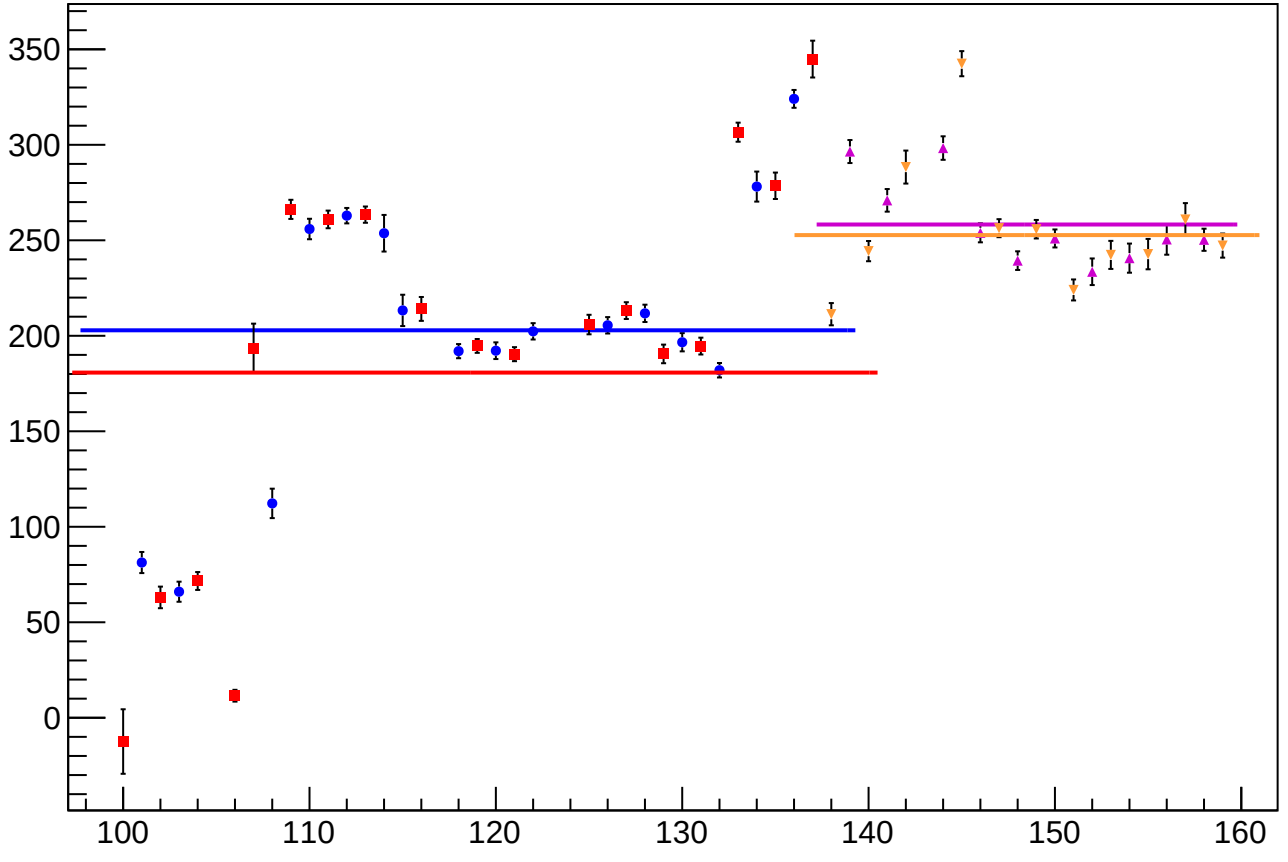
Left In: 13.760+/-1.243 χ^2/NDF:106.4/9

+ sign 11.750+/-0.801 χ^2/NDF: 245.5/26

All: 11.884+/-0.566 χ^2/NDF: 460.4/54

- sign 12.016+/-0.799 χ^2/NDF: 214.8/27

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

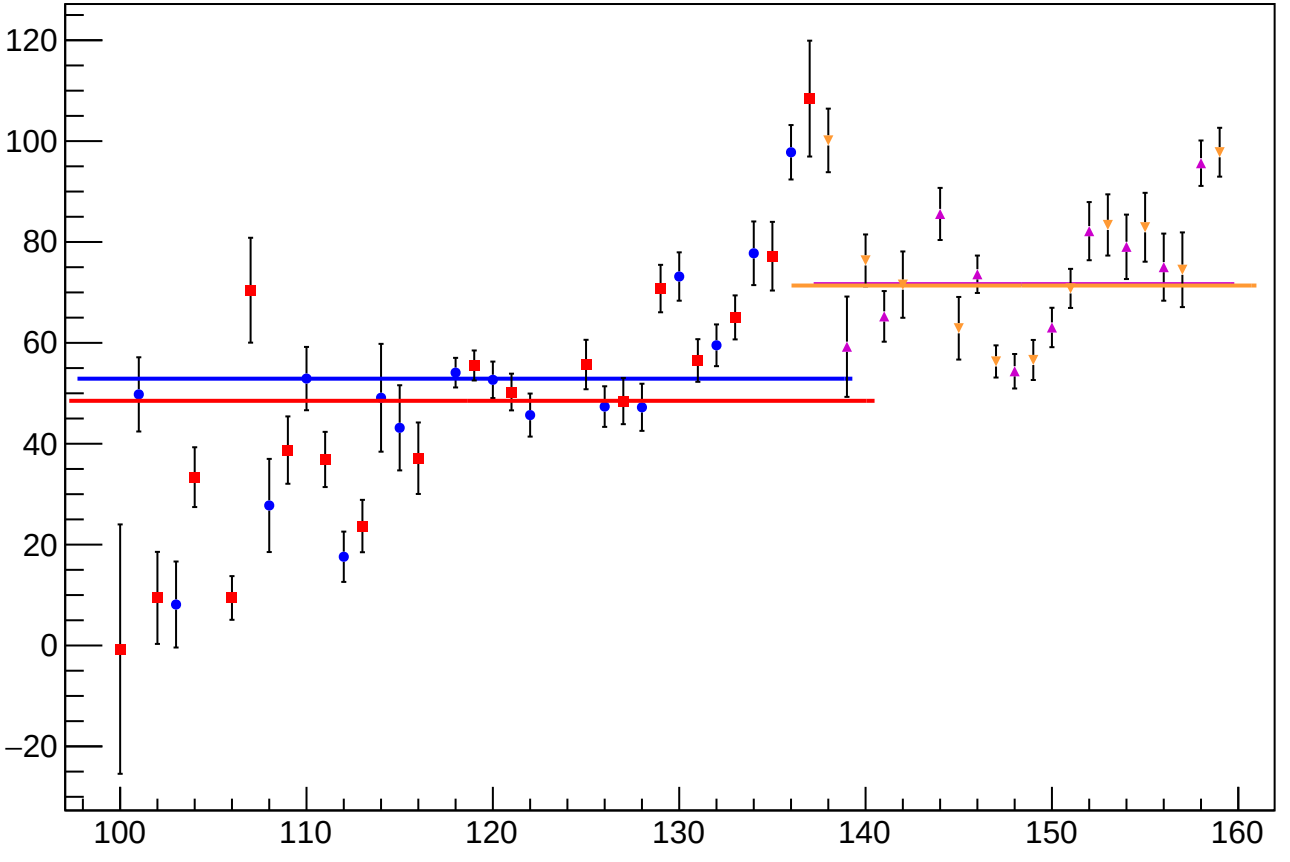
Left In: 258.267+/-1.848 χ^2/NDF:126.1/9

+ sign 218.192+/-1.020 χ^2/NDF: 3262.6/26

All: 209.819+/-0.704 χ^2/NDF: 11138.6/54

- sign 202.210+/-0.972 χ^2/NDF: 7747.3/27

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

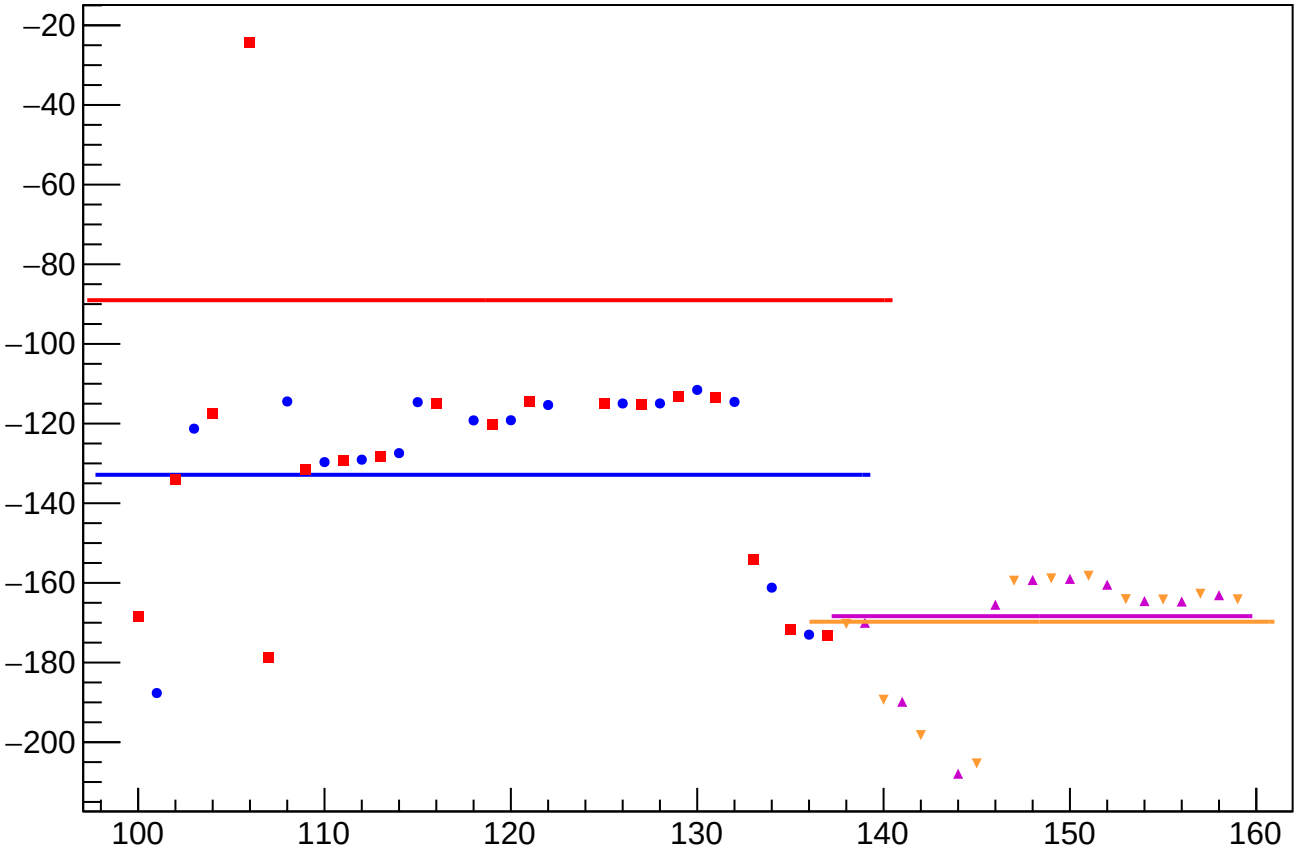
Left In: 71.645+/-1.512 χ^2/NDF:74.4/9

+ sign 60.463+/-0.954 χ^2/NDF: 385.4/26

All: 59.012+/-0.672 χ^2/NDF: 846.7/54

- sign 57.583+/-0.947 χ^2/NDF: 456.7/27

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

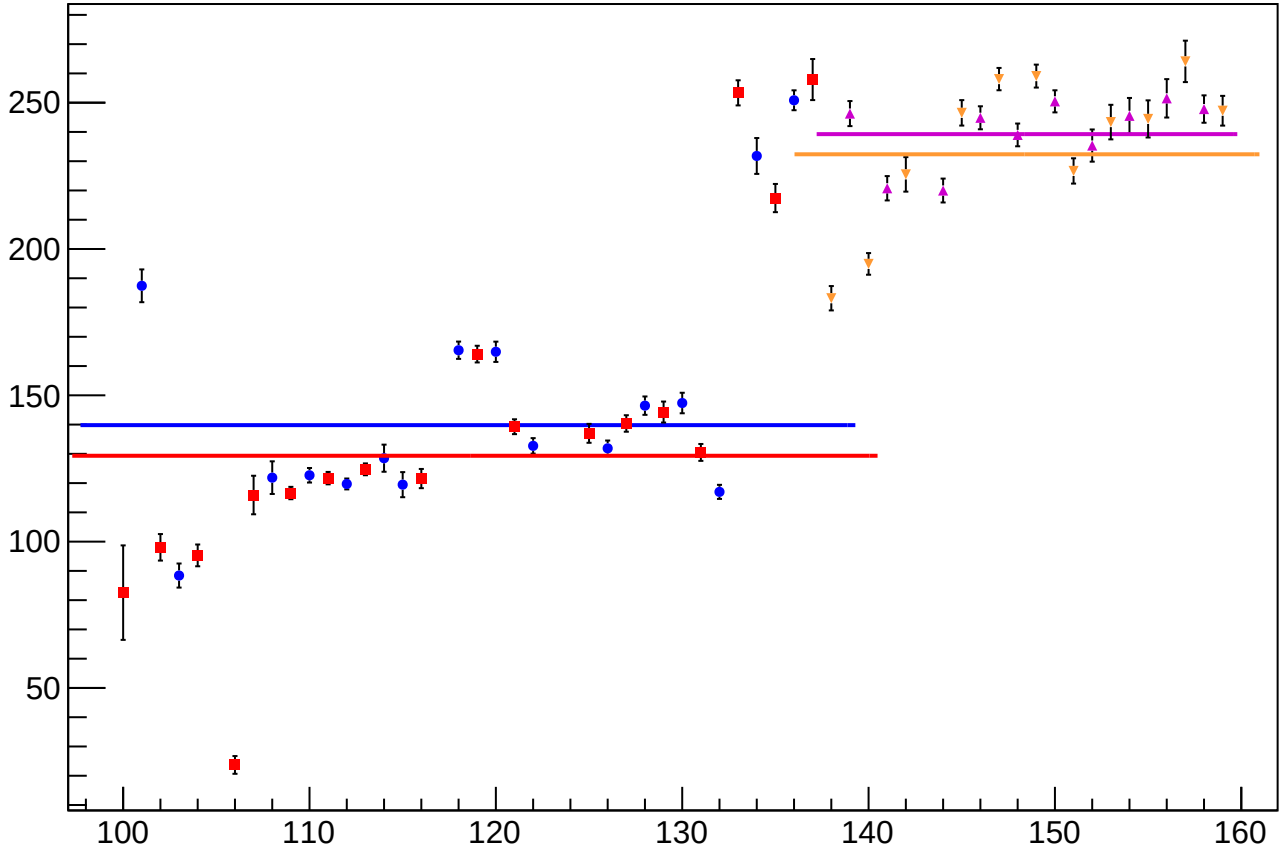
Left In: -168.356+/-0.071 χ^2/NDF:35239.4/9

+ sign -153.405+/-0.054 χ^2/NDF: 250316.1/26

All: -137.165+/-0.036 χ^2/NDF: 1858500.1/54

- sign -124.581+/-0.048 χ^2/NDF: 1448536.7/27

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

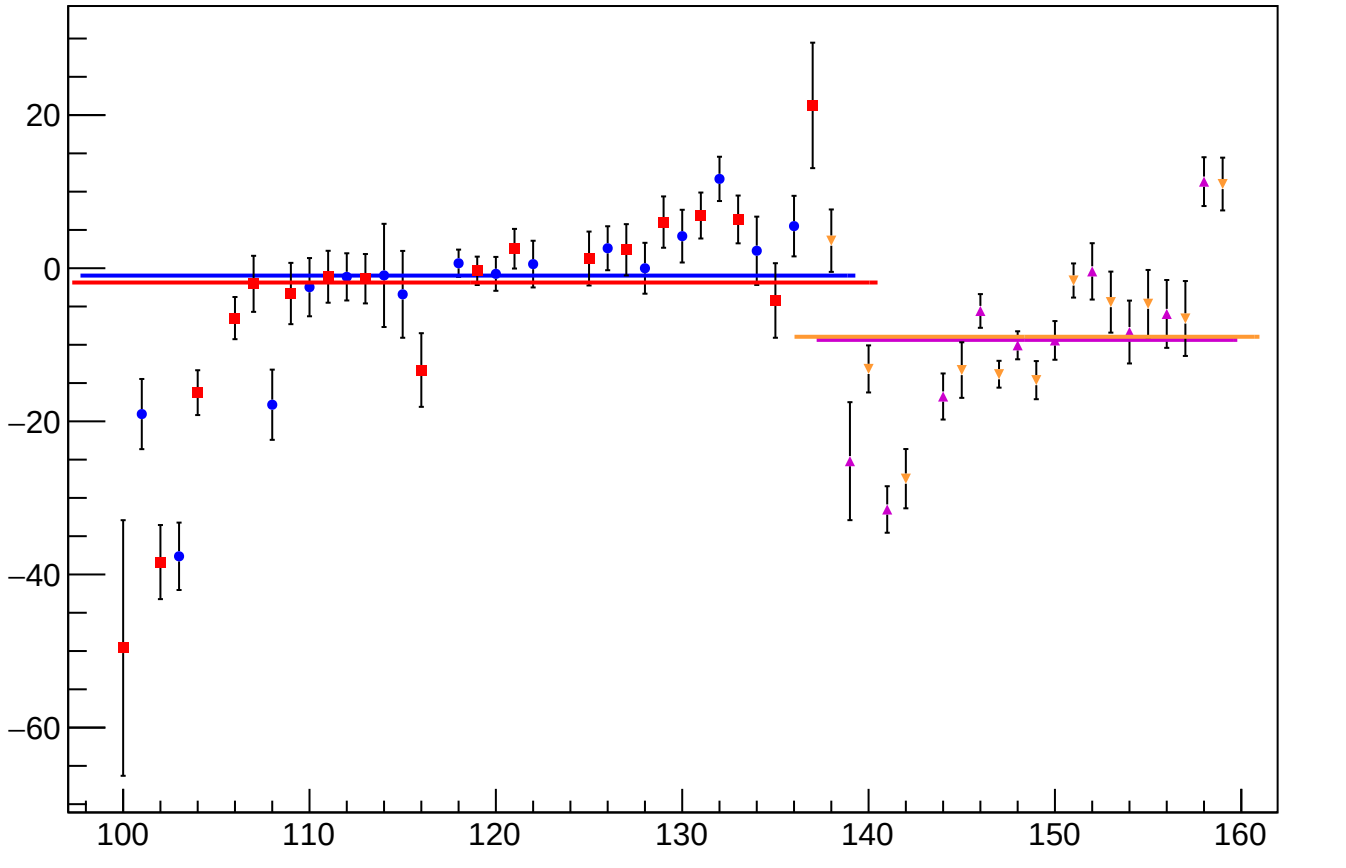
Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 239.250+/-1.411 χ^2/NDF:64.0/9

+ sign 161.985+/-0.684 χ^2/NDF: 5682.6/26

All: 157.147+/-0.472 χ^2/NDF: 13739.5/54

- sign 152.762+/-0.651 χ^2/NDF: 7961.5/27



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

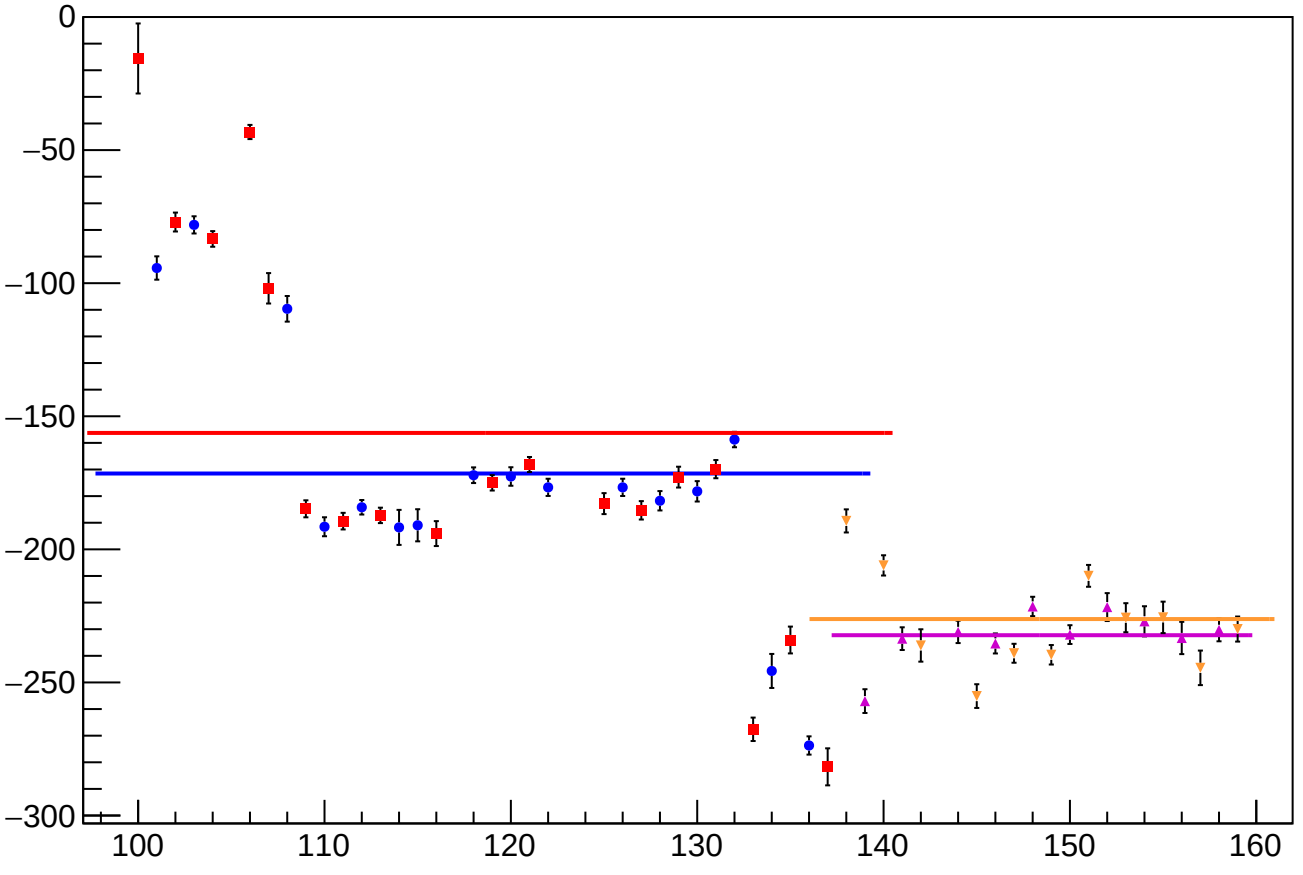
Left In: -9.359+/-0.921 χ^2/NDF:115.1/9

\+ sign -4.534+/-0.601 χ^2/NDF: 265.2/26

All: -4.776+/-0.424 χ^2/NDF: 552.2/54

\- sign -5.015+/-0.597 χ^2/NDF: 286.7/27

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

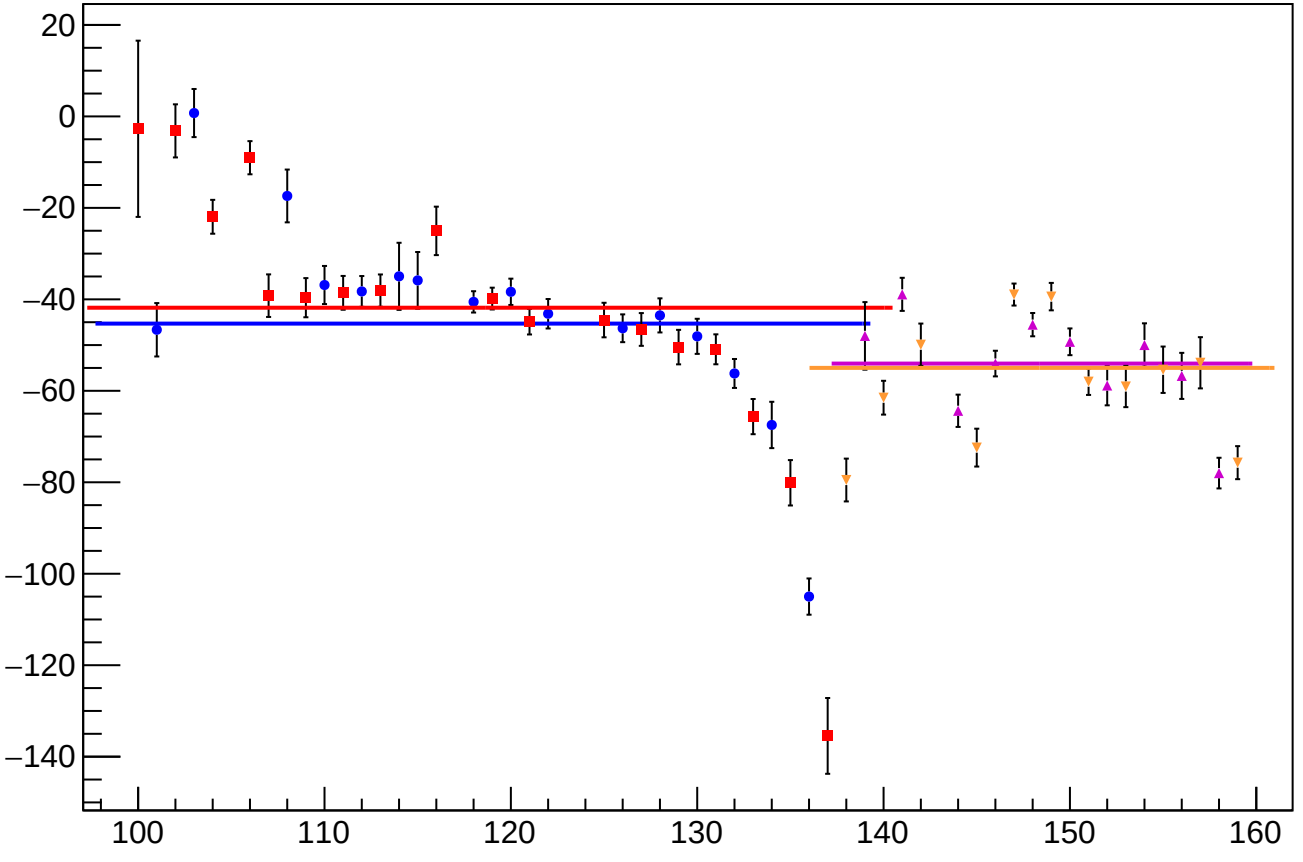
Left In: -232.256+/-1.365 χ^2/NDF:45.6/9

+ sign -188.396+/-0.754 χ^2/NDF: 3761.7/26

All: -182.647+/-0.521 χ^2/NDF: 11061.0/54

- sign -177.405+/-0.720 χ^2/NDF: 7188.1/27

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

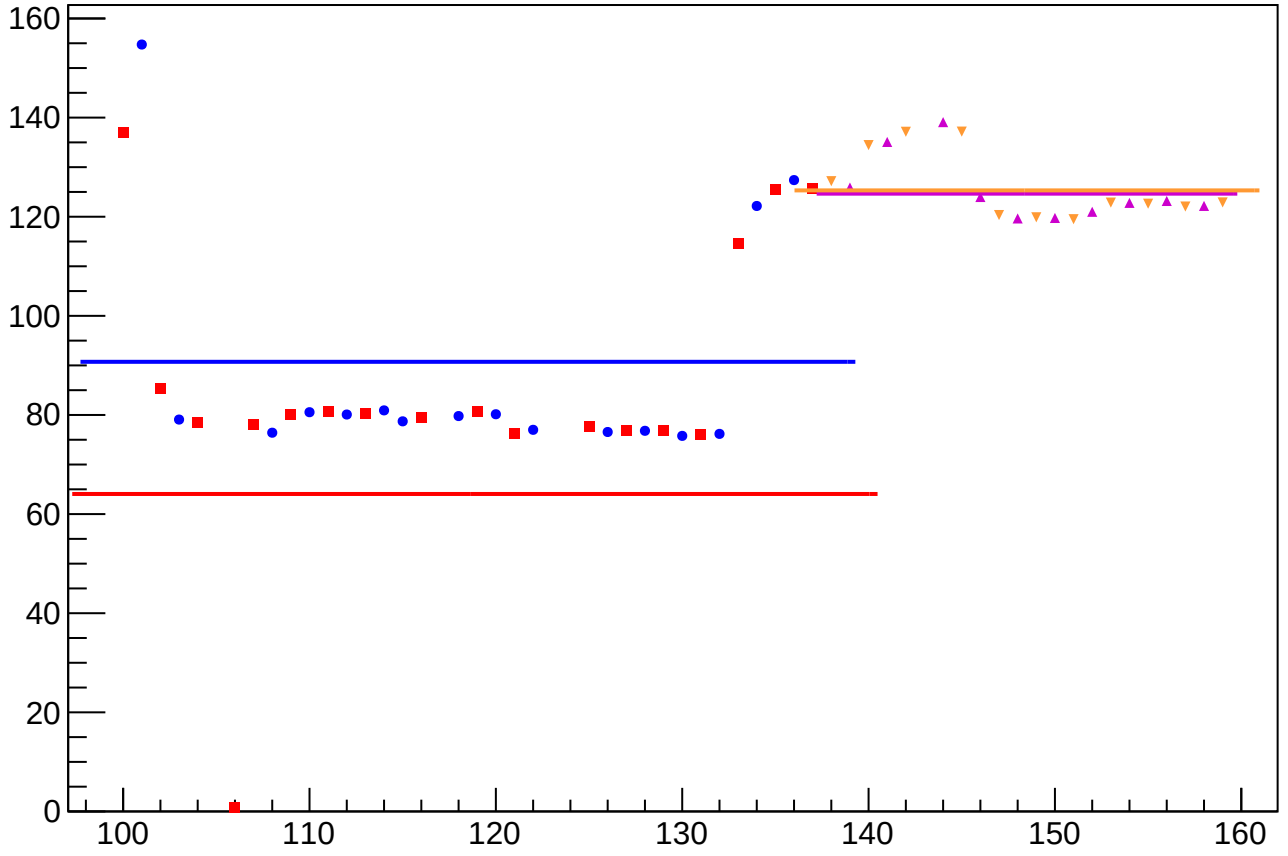
Left In: -54.048+/-1.119 χ^2/NDF:93.8/9

+ sign -49.371+/-0.714 χ^2/NDF: 582.7/26

All: -48.016+/-0.502 χ^2/NDF: 1169.7/54

- sign -46.693+/-0.706 χ^2/NDF: 579.9/27

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

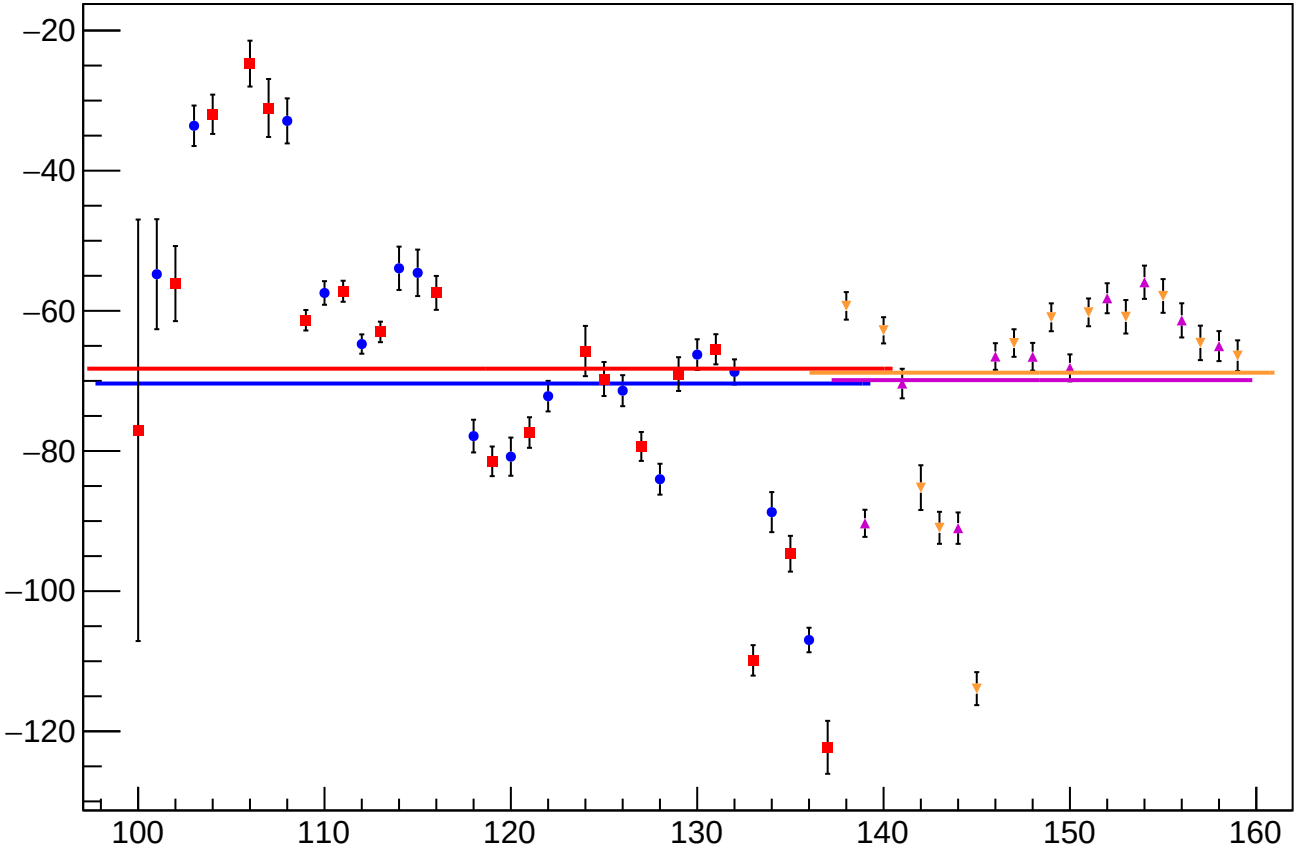
Left In: 124.656+/-0.053 χ^2/NDF:12656.0/9

+ sign 109.540+/-0.039 χ^2/NDF: 365482.9/26

All: 100.139+/-0.027 χ^2/NDF: 1847651.6/54

- sign 92.323+/-0.036 χ^2/NDF: 1378396.0/27

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

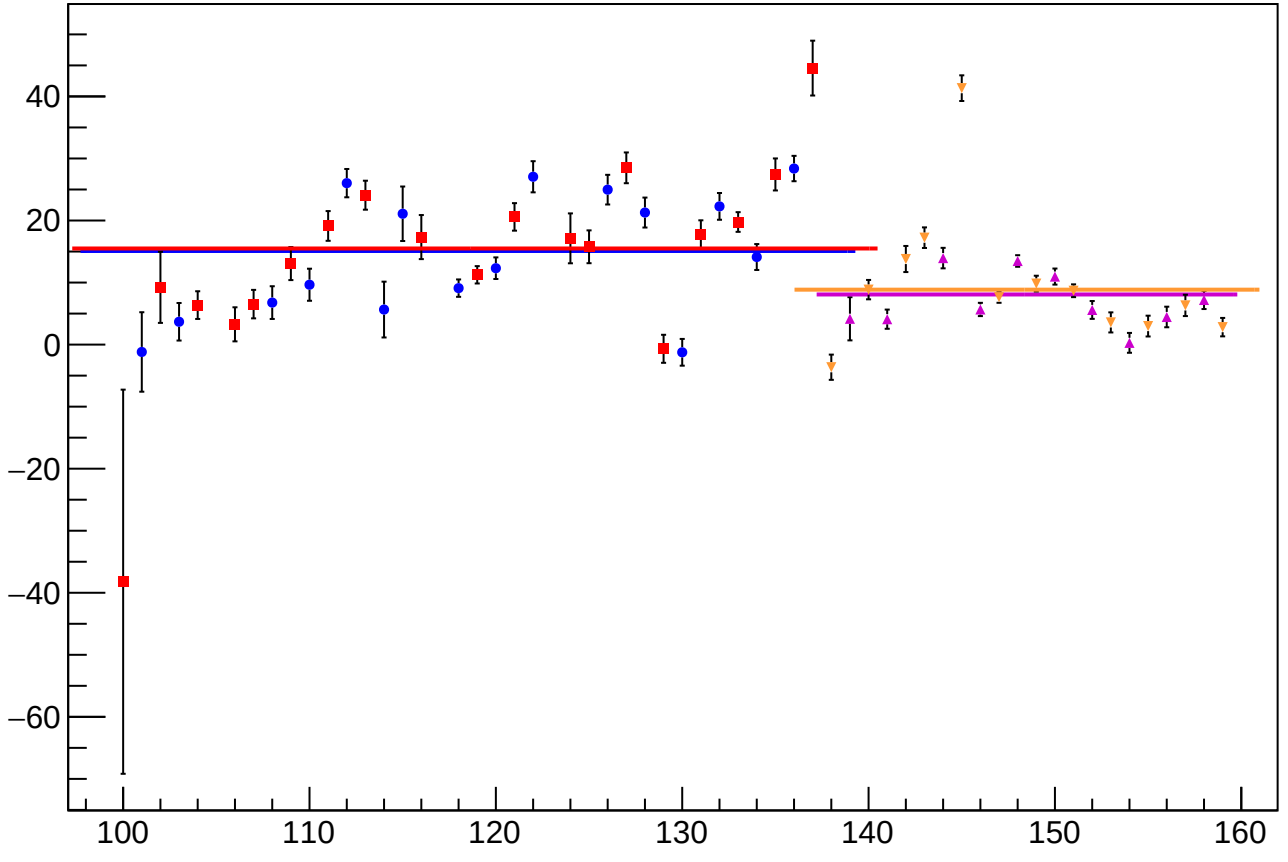
Left In: -69.887+/-0.663 χ^2/NDF:289.2/9

+ sign -69.697+/-0.418 χ^2/NDF: 1574.2/27

All: -69.285+/-0.294 χ^2/NDF: 3175.0/56

- sign -68.885+/-0.412 χ^2/NDF: 1598.9/28

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

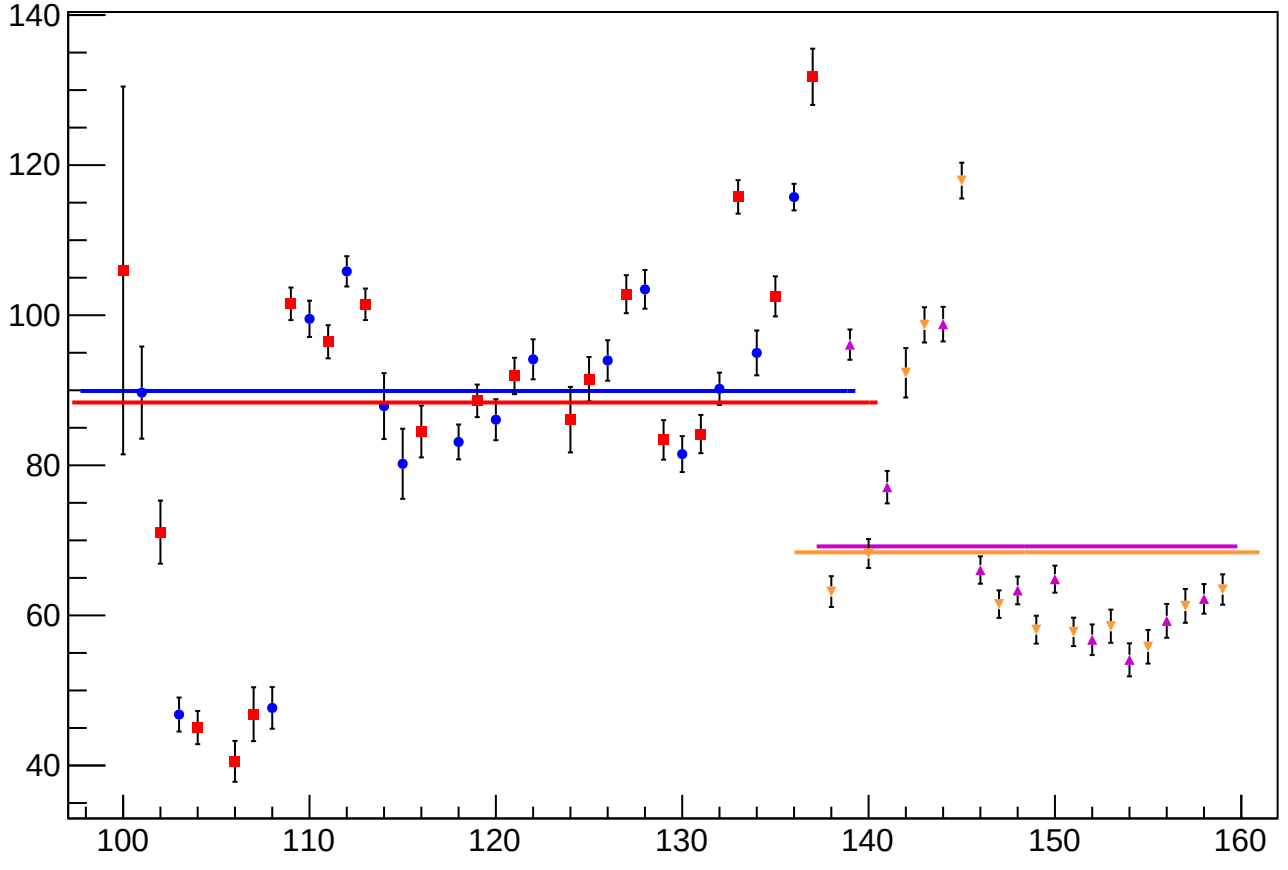
Left In: 8.080+/-0.439 χ^2/NDF:95.9/9

+ sign 10.968+/-0.338 χ^2/NDF: 677.9/27

All: 10.940+/-0.241 χ^2/NDF: 1122.1/56

- sign 10.911+/-0.345 χ^2/NDF: 444.2/28

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

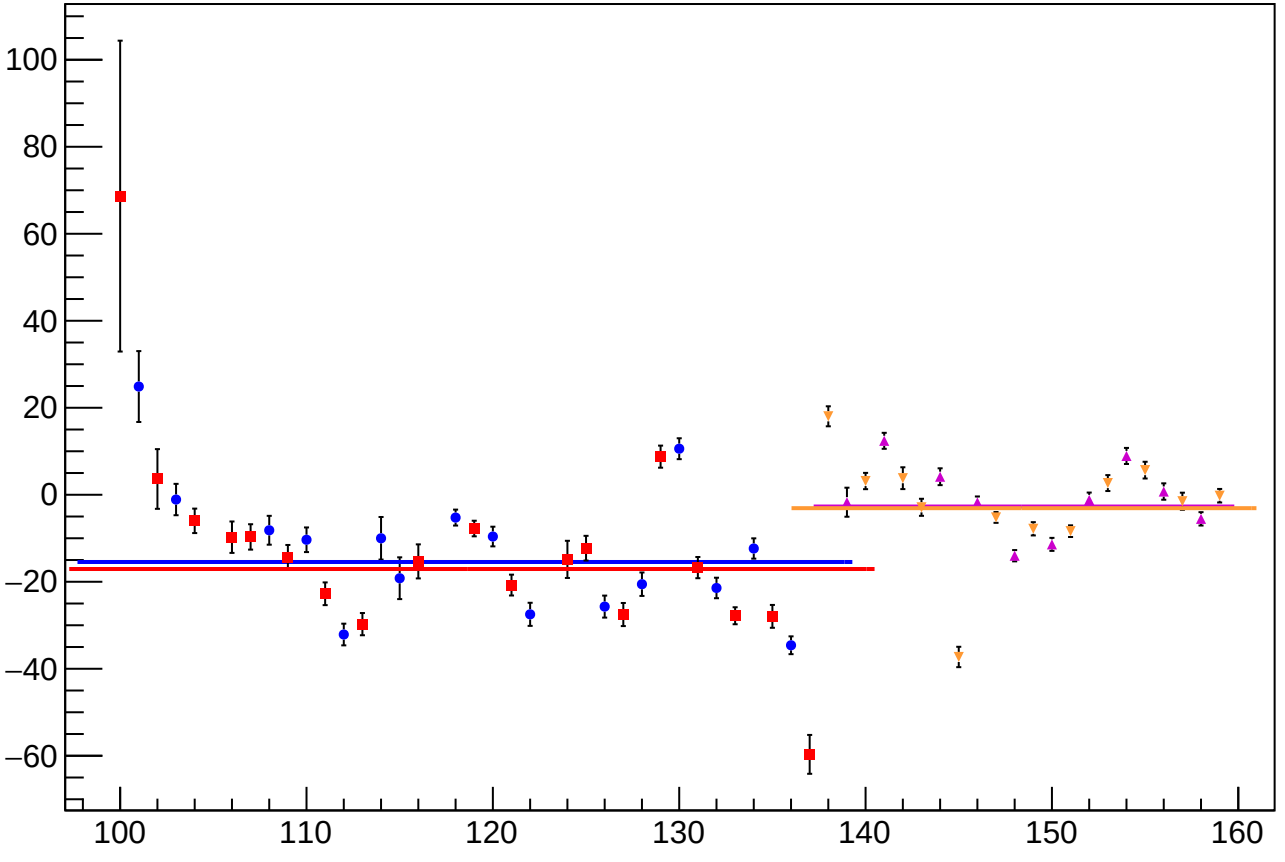
Left In: 69.196+/-0.639 χ^2/NDF:491.4/9

+ sign 78.668+/-0.443 χ^2/NDF: 2337.9/27

All: 78.888+/-0.313 χ^2/NDF: 4584.7/56

- sign 79.110+/-0.444 χ^2/NDF: 2246.3/28

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

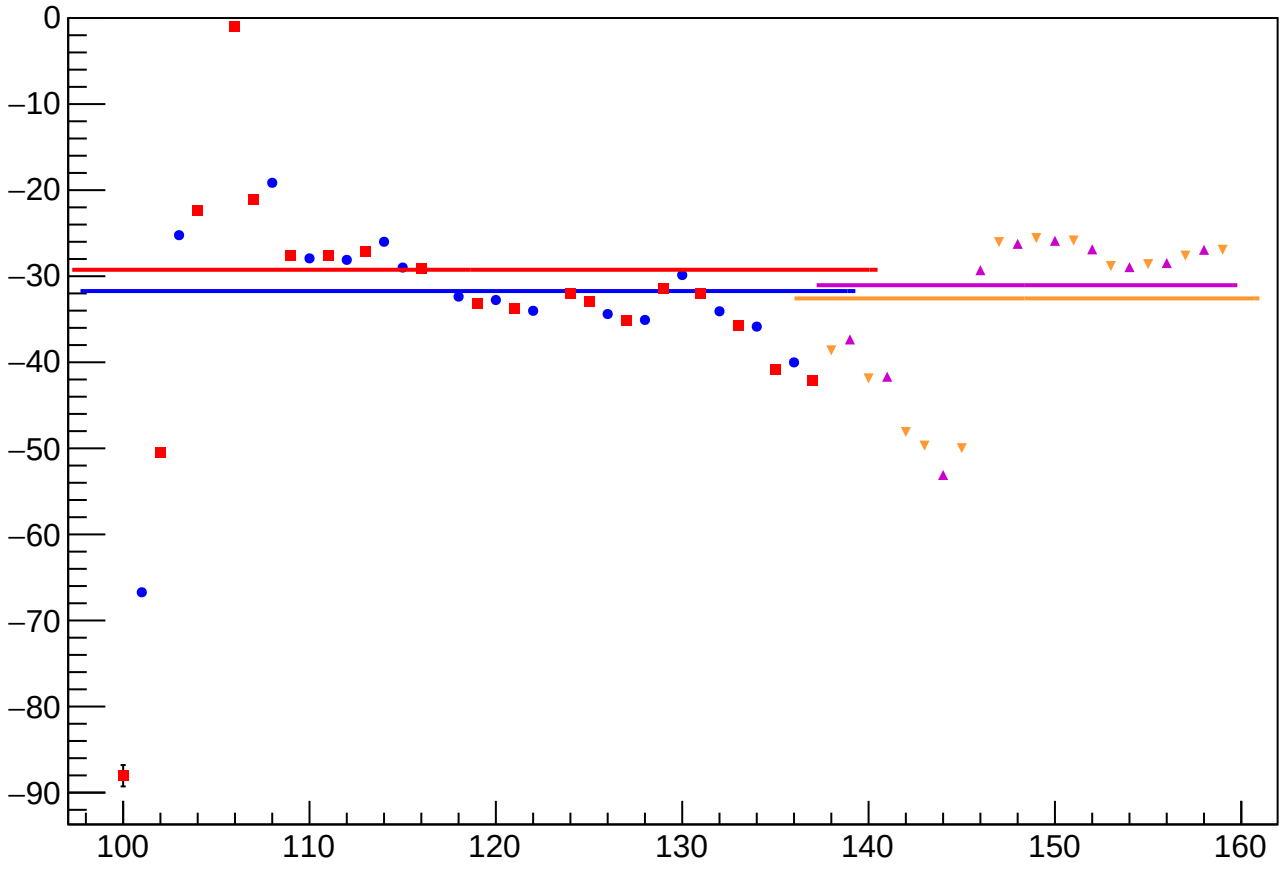
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.702+/-0.528 χ^2/NDF:237.8/9

+ sign -7.582+/-0.401 χ^2/NDF: 985.5/27

All: -8.026+/-0.286 χ^2/NDF: 1884.3/56

- sign -8.486+/-0.408 χ^2/NDF: 896.3/28



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

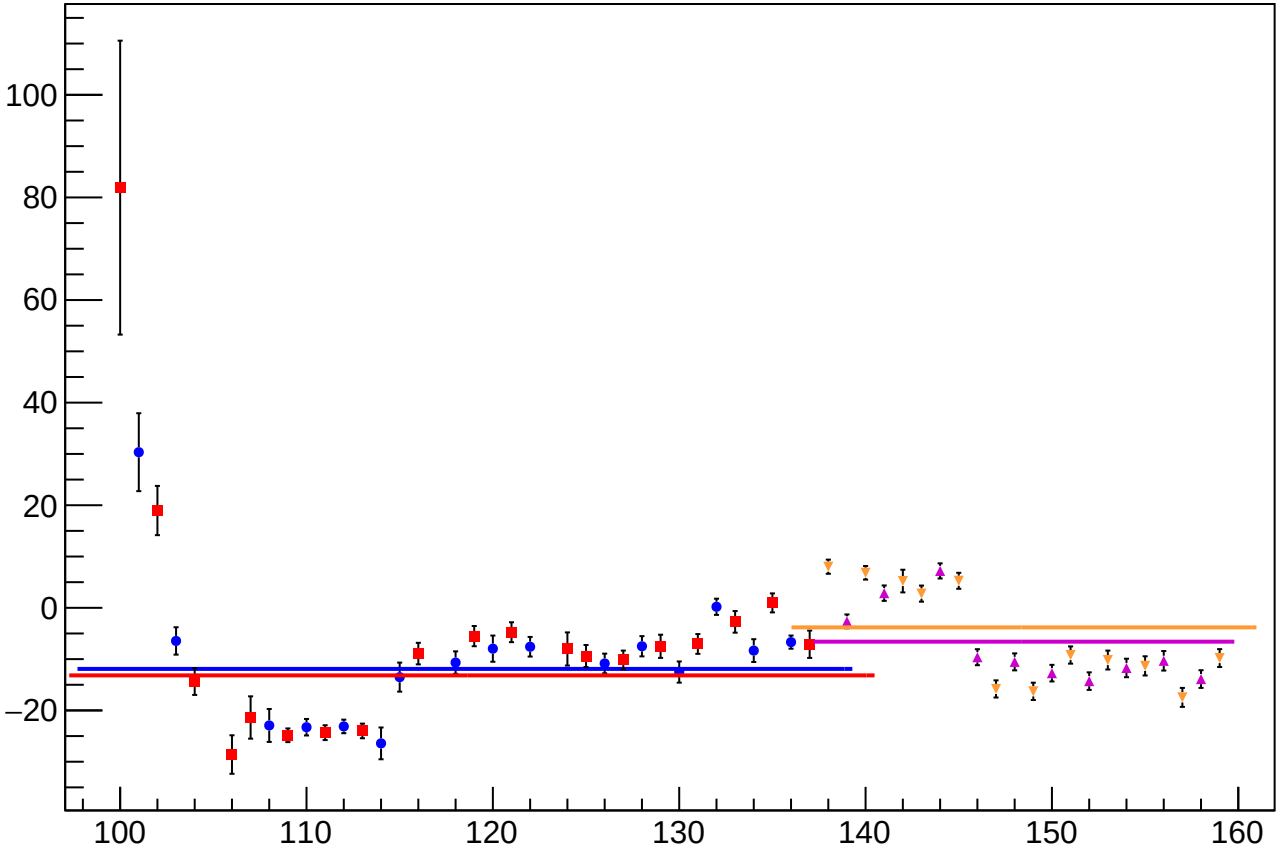
Left In: -31.046+/-0.024 χ^2/NDF:86306.3/9

\+ sign -32.346+/-0.020 χ^2/NDF: 174693.1/27

All: -31.457+/-0.014 χ^2/NDF: 361779.9/56

\- sign -30.538+/-0.020 χ^2/NDF: 183108.1/28

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

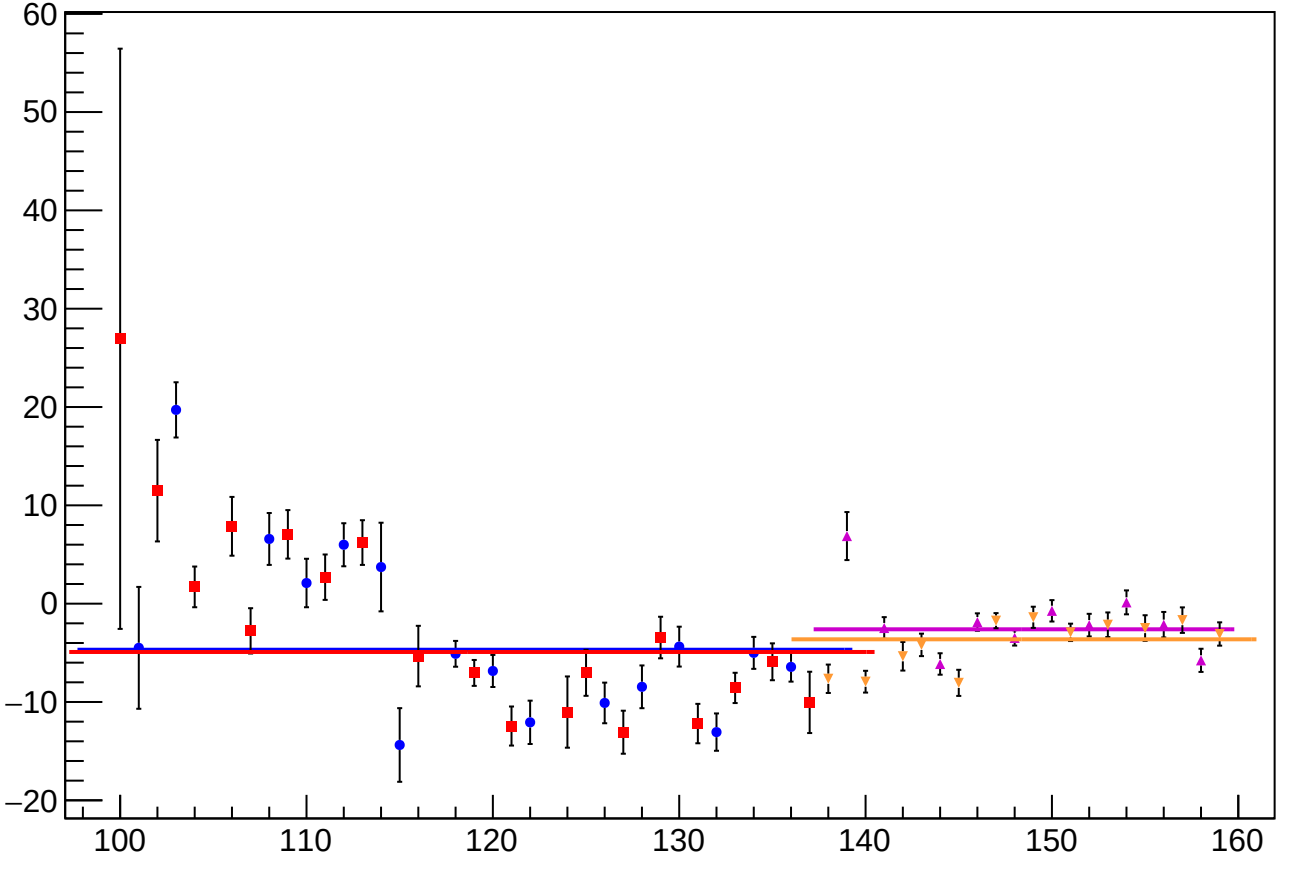
Left In: -6.600+/-0.508 χ^2/NDF:209.5/9

+ sign -7.700+/-0.344 χ^2/NDF: 837.1/27

All: -8.870+/-0.245 χ^2/NDF: 1579.8/56

- sign -10.072+/-0.349 χ^2/NDF: 719.3/28

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

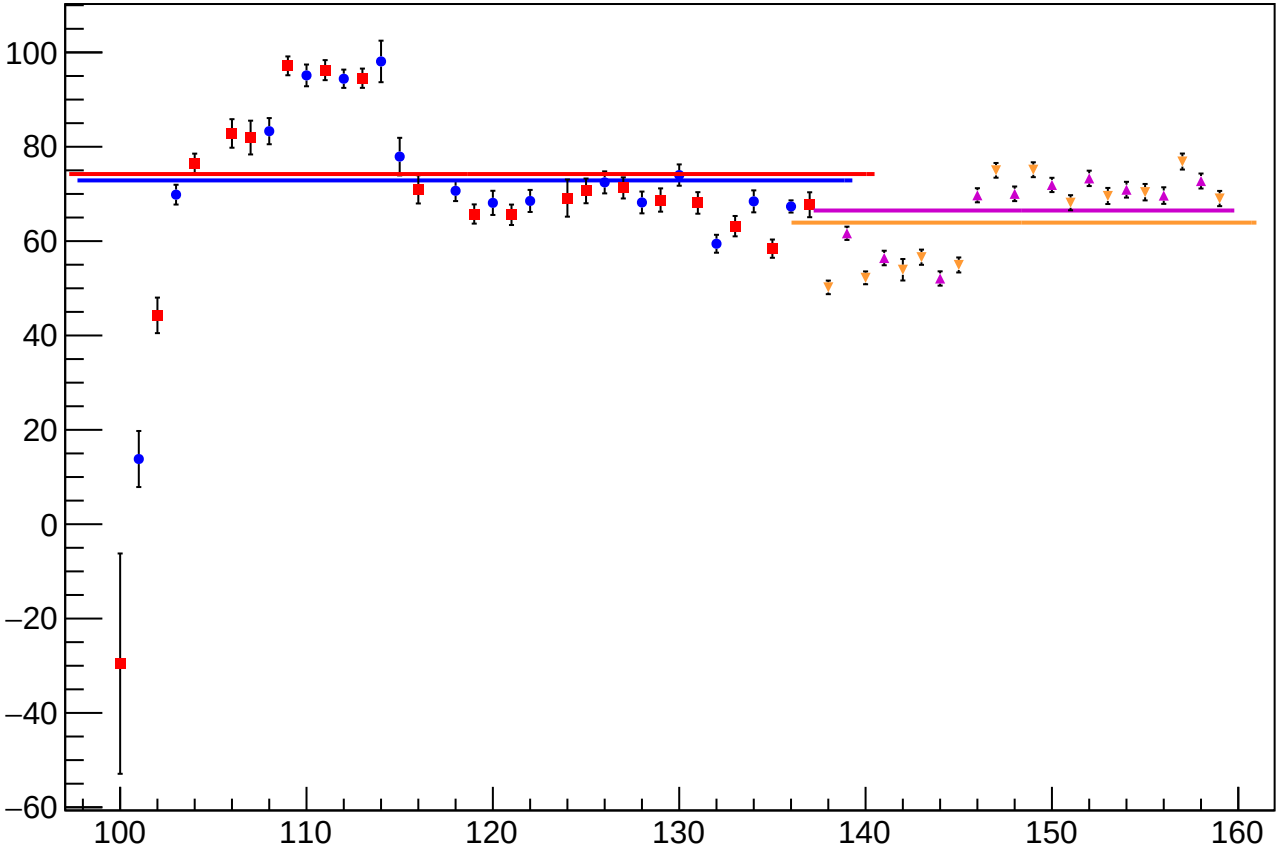
Left In: -2.607+/-0.346 χ^2/NDF:43.0/9

+ sign -3.926+/-0.275 χ^2/NDF: 233.4/27

All: -3.641+/-0.199 χ^2/NDF: 448.3/56

- sign -3.330+/-0.287 χ^2/NDF: 212.7/28

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

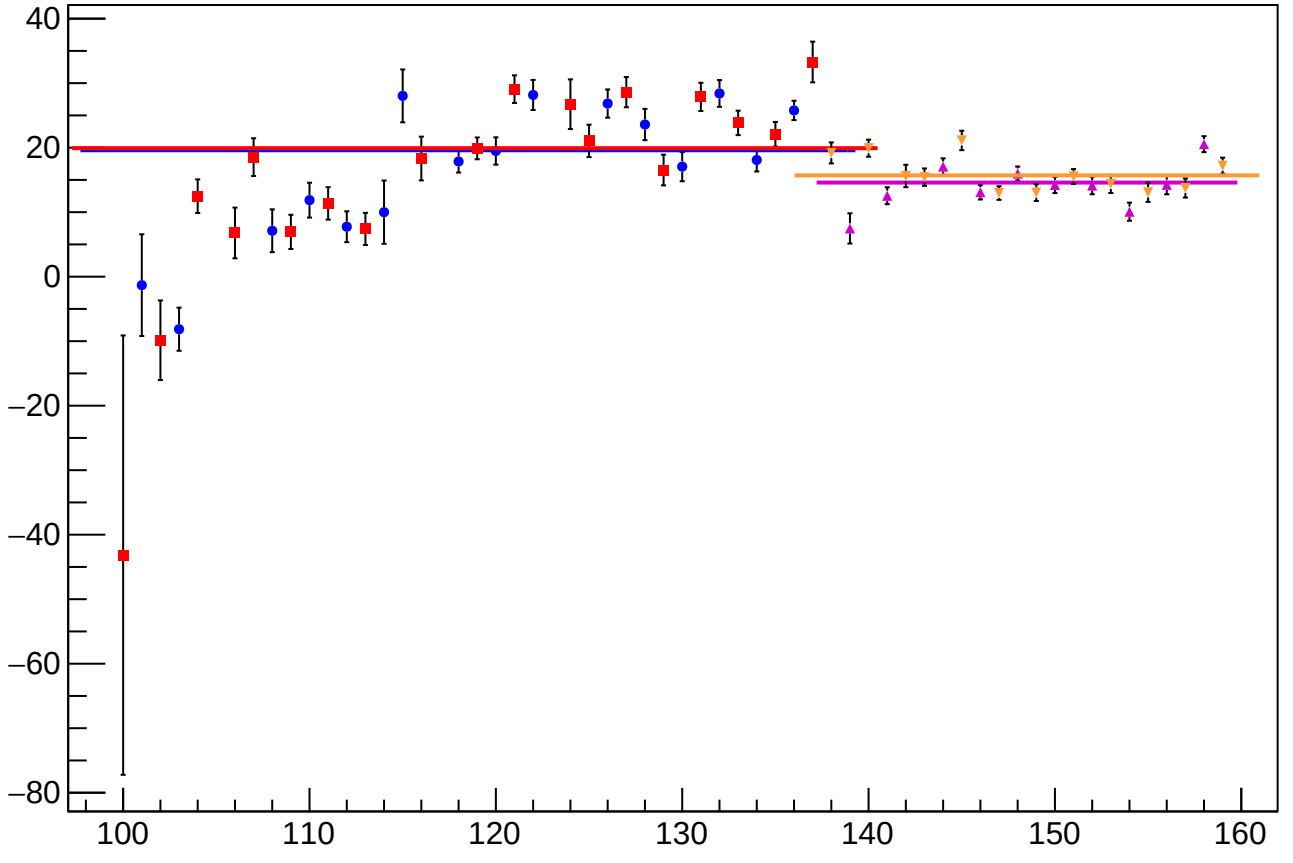
Left In: 66.488+/-0.493 χ^2/NDF:210.3/9

+ sign 67.542+/-0.360 χ^2/NDF: 1036.8/27

All: 68.660+/-0.258 χ^2/NDF: 1960.1/56

- sign 69.848+/-0.371 χ^2/NDF: 903.3/28

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

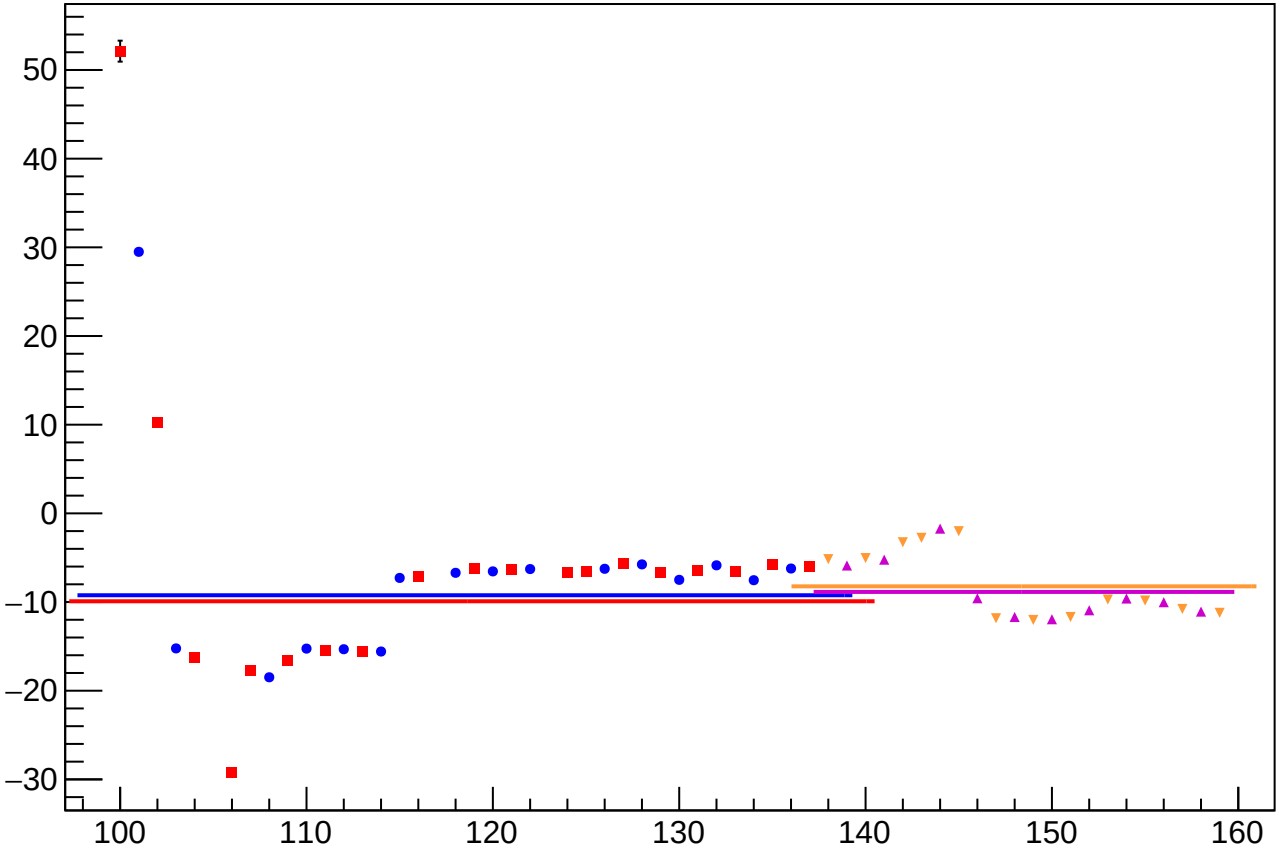
Left In: 14.589+/-0.415 χ^2/NDF:52.6/9

\+ sign 16.899+/-0.325 χ^2/NDF: 272.5/27

All: 16.646+/-0.234 χ^2/NDF: 562.9/56

\- sign 16.371+/-0.338 χ^2/NDF: 289.2/28

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

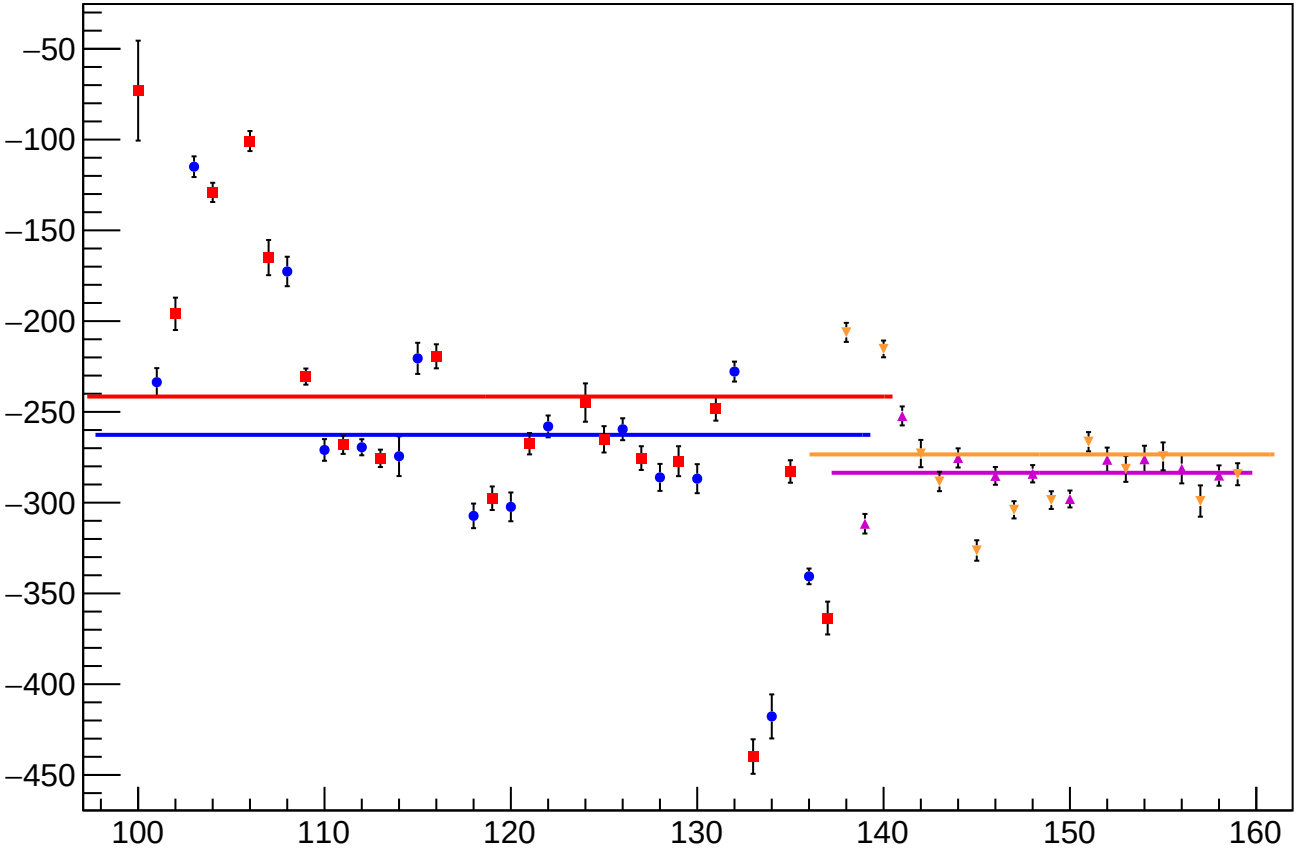
Left In: -8.859+/-0.019 χ^2/NDF:26084.0/9

+ sign -8.461+/-0.016 χ^2/NDF: 72364.5/27

All: -8.767+/-0.011 χ^2/NDF: 153821.9/56

- sign -9.098+/-0.016 χ^2/NDF: 80670.9/28

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

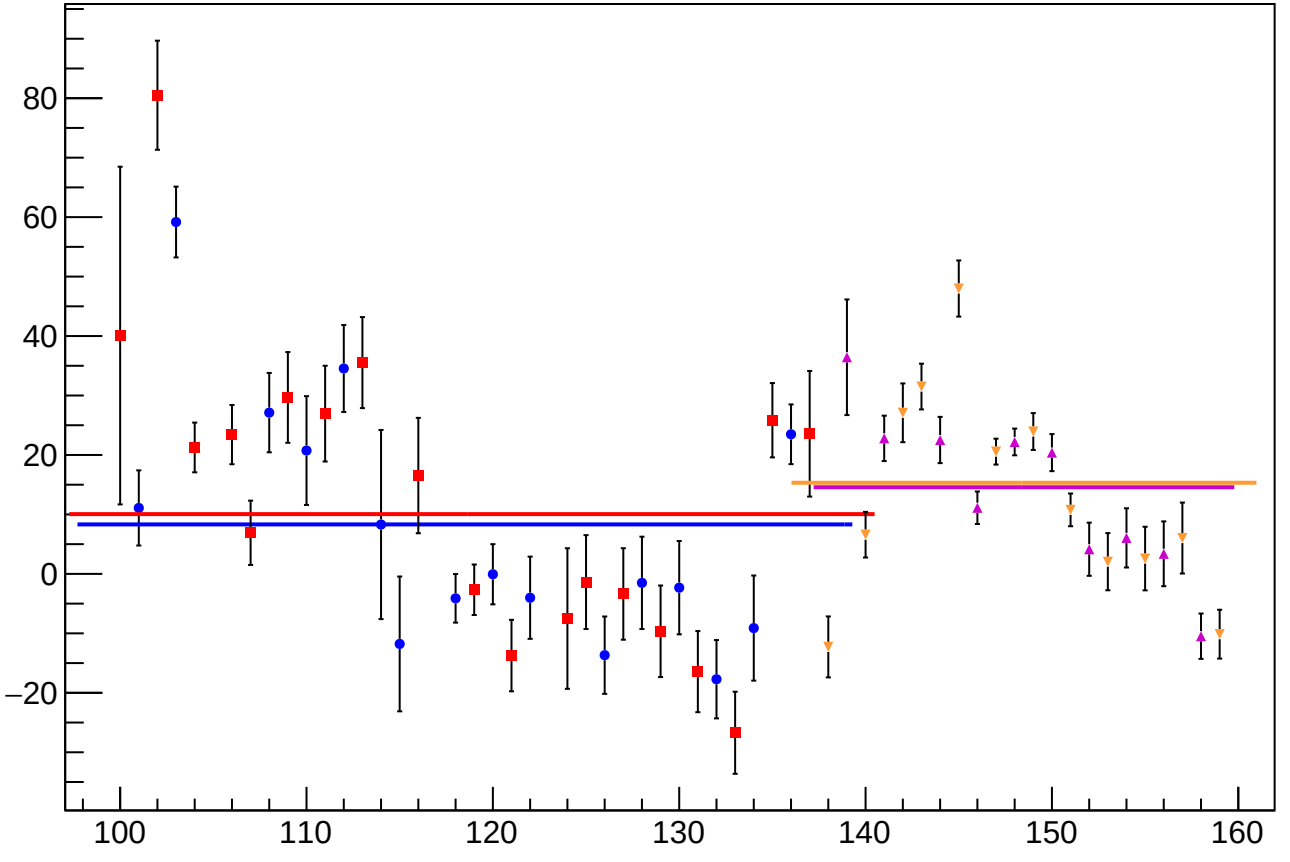
Left In: -283.541+/-1.750 χ^2/NDF:77.4/9

+ sign -267.913+/-1.154 χ^2/NDF: 1978.3/27

All: -263.617+/-0.812 χ^2/NDF: 4552.4/56

- sign -259.412+/-1.142 χ^2/NDF: 2546.7/28

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

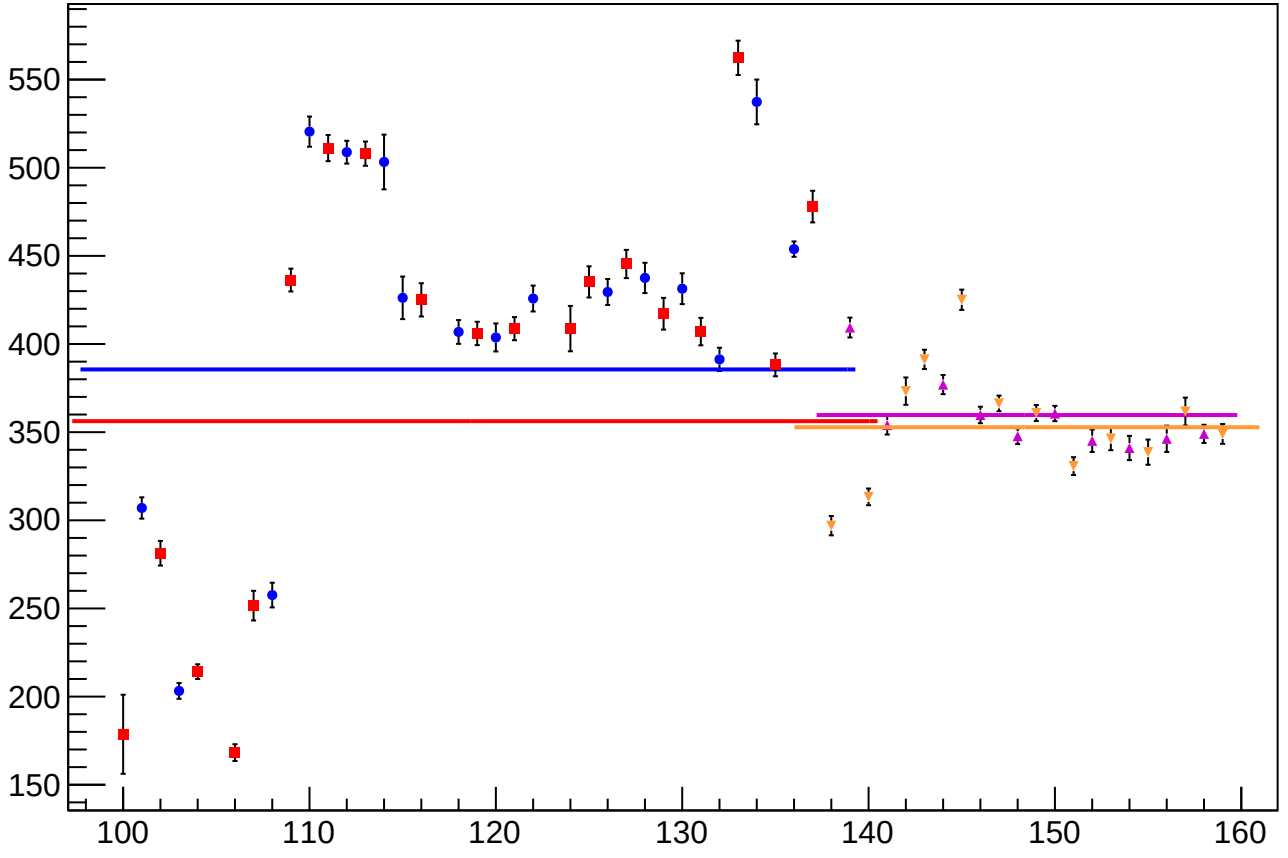
Left In: 14.576+/-1.137 χ^2/NDF:86.2/9

+ sign 13.242+/-0.897 χ^2/NDF: 346.2/27

All: 13.112+/-0.641 χ^2/NDF: 625.4/56

- sign 12.977+/-0.915 χ^2/NDF: 279.2/28

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

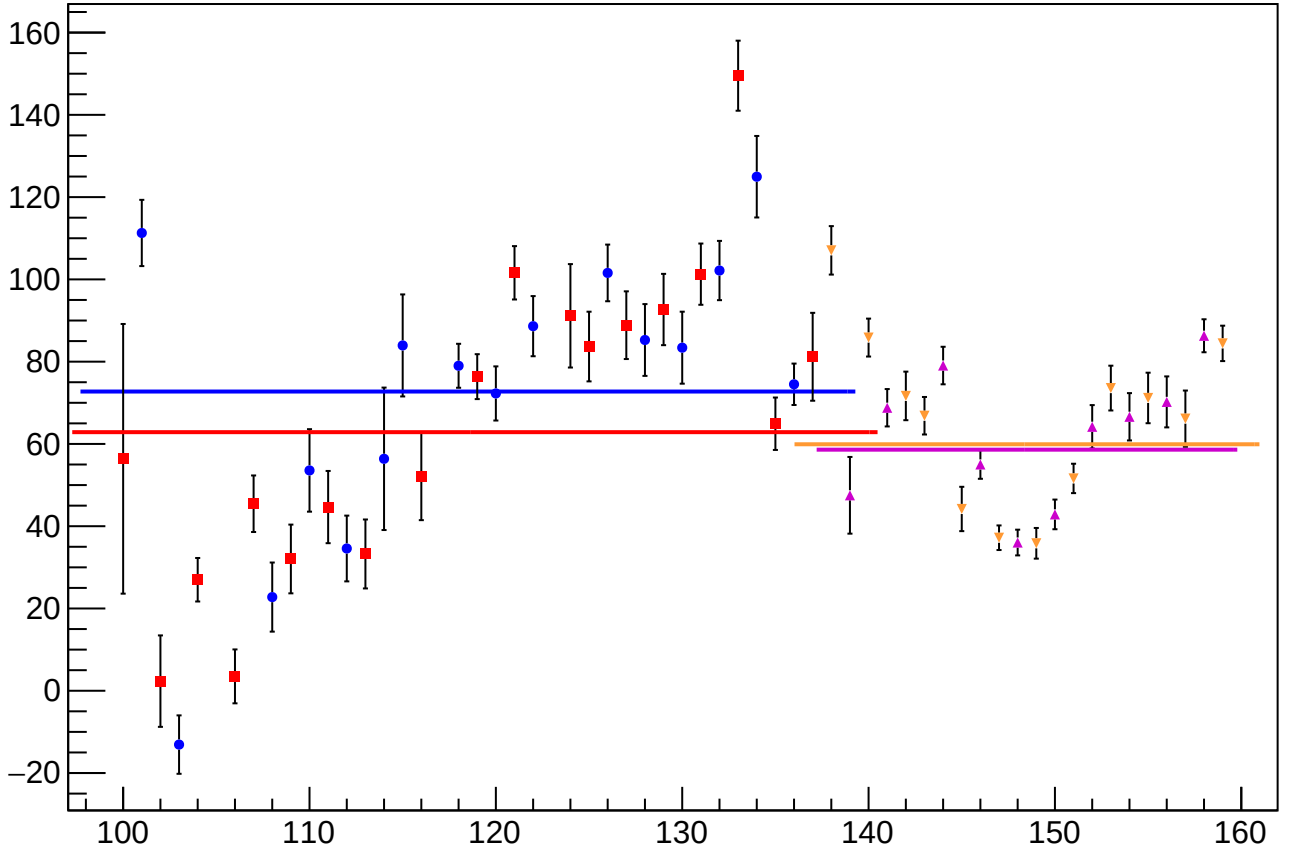
Left In: 359.715+/-1.690 χ^2/NDF:116.4/9

\+ sign 367.878+/-1.182 χ^2/NDF: 3990.0/27

All: 362.897+/-0.835 χ^2/NDF: 9414.3/56

\- sign 357.935+/-1.179 χ^2/NDF: 5388.8/28

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

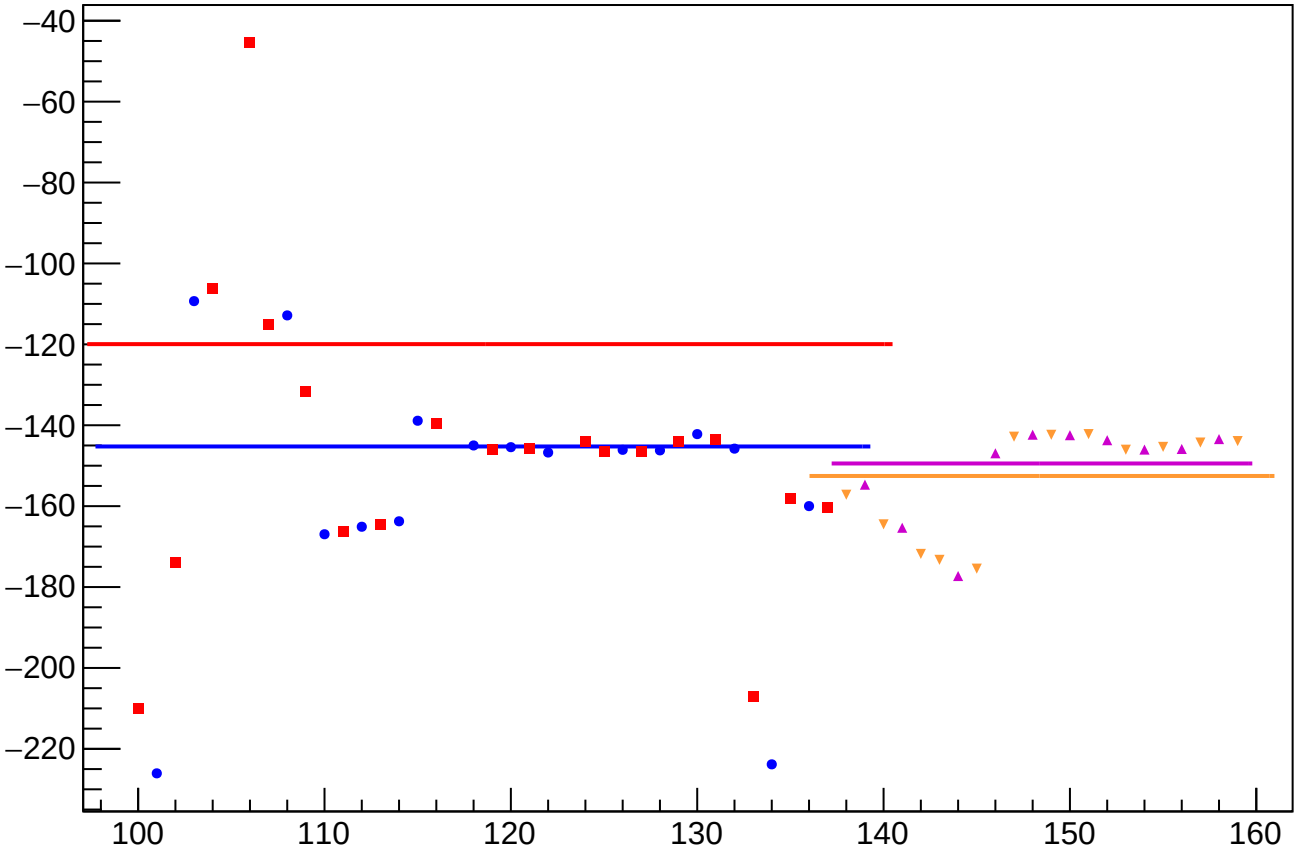
Left In: 58.606+/-1.381 χ^2/NDF:153.0/9

+ sign 64.048+/-1.077 χ^2/NDF: 593.5/27

All: 62.151+/-0.768 χ^2/NDF: 1160.0/56

- sign 60.190+/-1.095 χ^2/NDF: 560.1/28

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

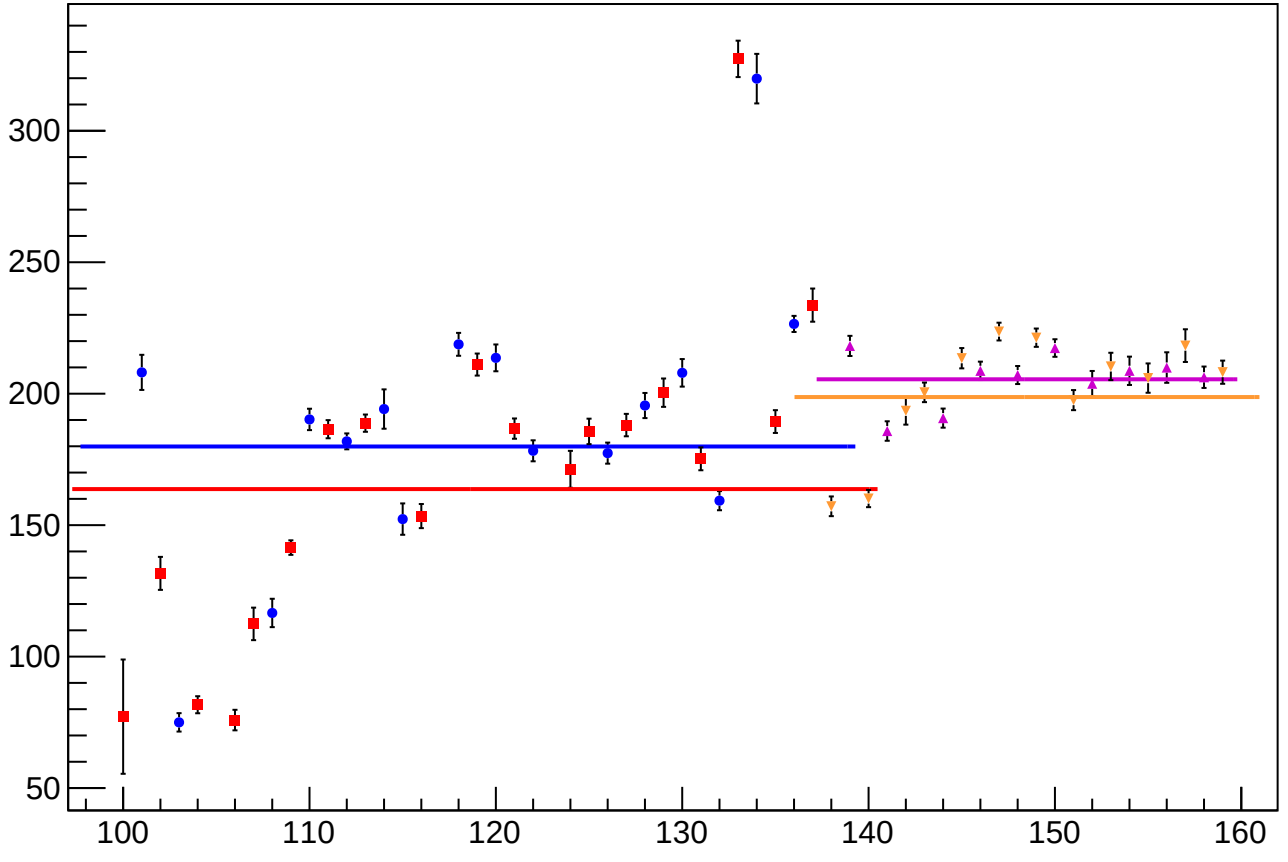
Left In: -149.450+/-0.065 χ^2/NDF:24465.3/9

+ sign -150.389+/-0.053 χ^2/NDF: 174170.0/27

All: -144.683+/-0.037 χ^2/NDF: 563061.6/56

- sign -139.157+/-0.053 χ^2/NDF: 366419.7/28

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

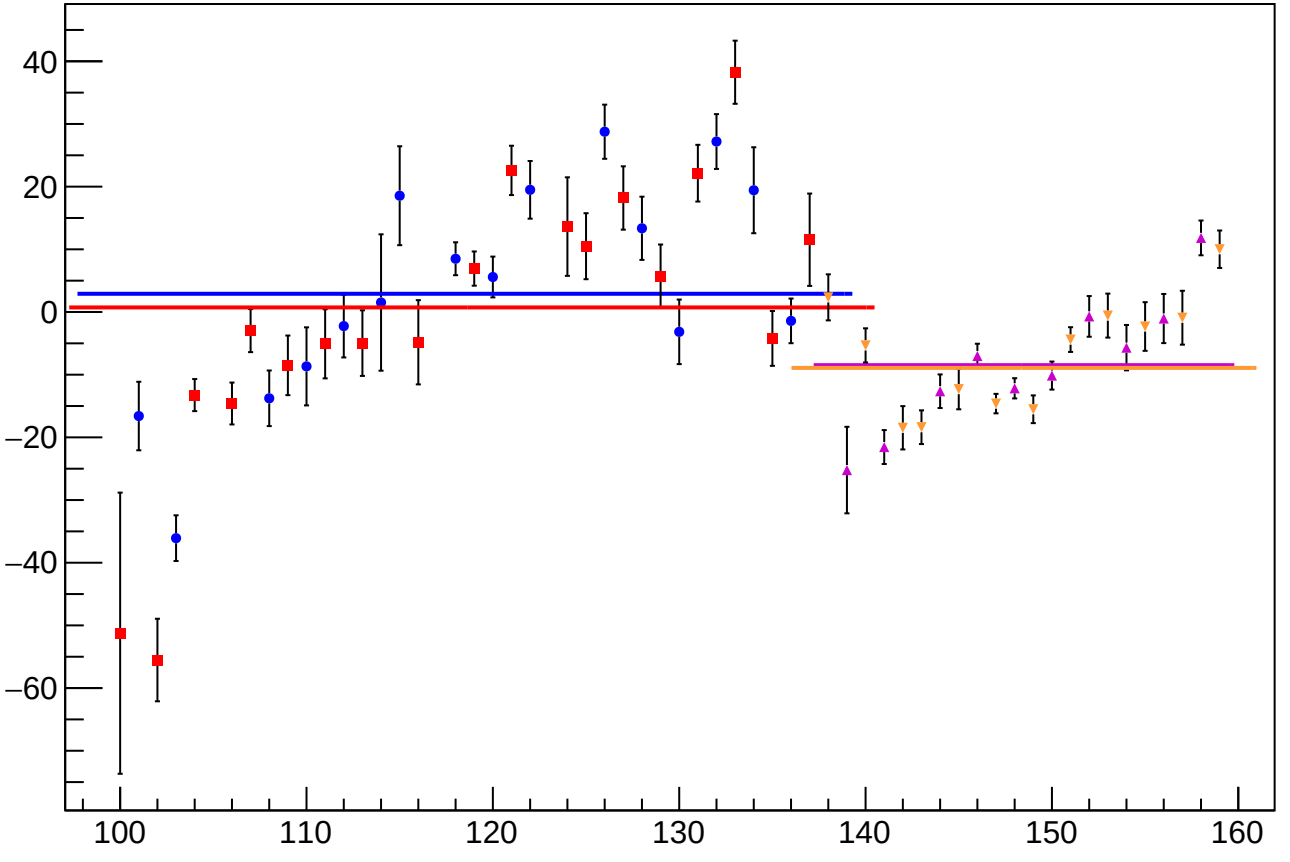
Left In: 205.478+/-1.250 χ^2/NDF:70.6/9

\+ sign 188.606+/-0.798 χ^2/NDF: 2265.6/27

All: 184.228+/-0.558 χ^2/NDF: 5492.3/56

\- sign 180.038+/-0.781 χ^2/NDF: 3167.9/28

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

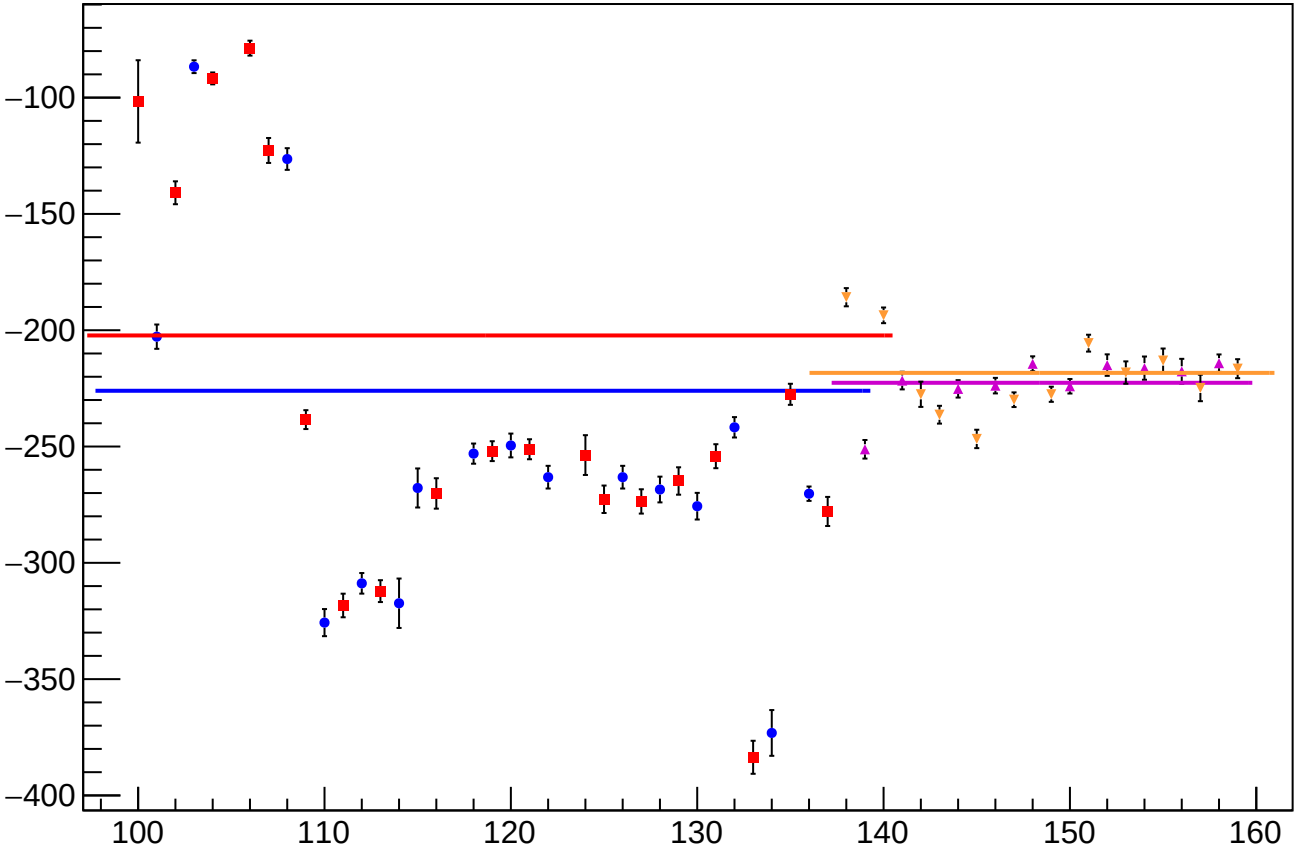
Left In: -8.481+/-0.814 χ^2/NDF:101.6/9

+ sign -5.097+/-0.628 χ^2/NDF: 437.1/27

All: -4.982+/-0.446 χ^2/NDF: 862.6/56

- sign -4.864+/-0.634 χ^2/NDF: 425.4/28

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

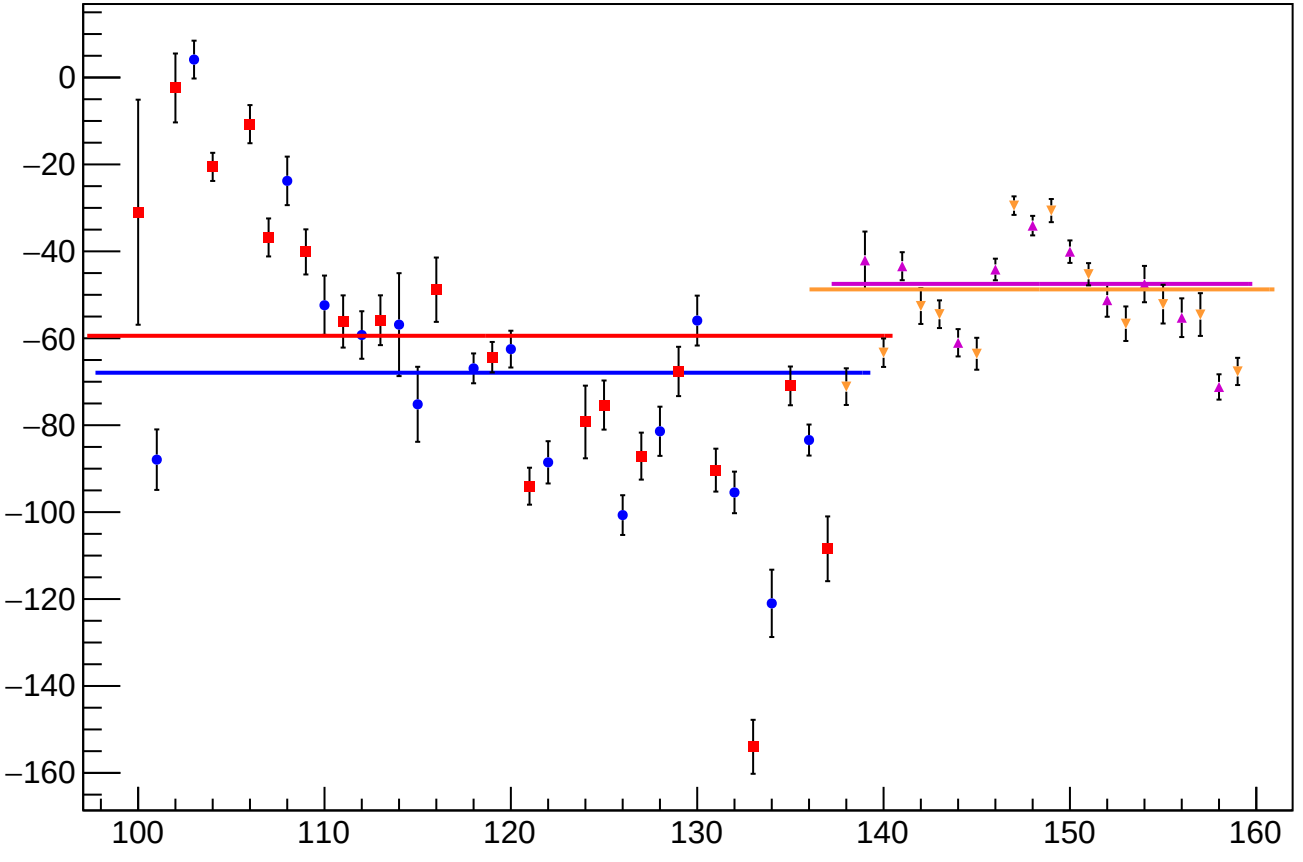
Left In: -222.598+/-1.208 χ^2/NDF:68.9/9

+ sign -222.085+/-0.820 χ^2/NDF: 4796.8/27

All: -216.639+/-0.576 χ^2/NDF: 11800.2/56

- sign -211.355+/-0.808 χ^2/NDF: 6916.5/28

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

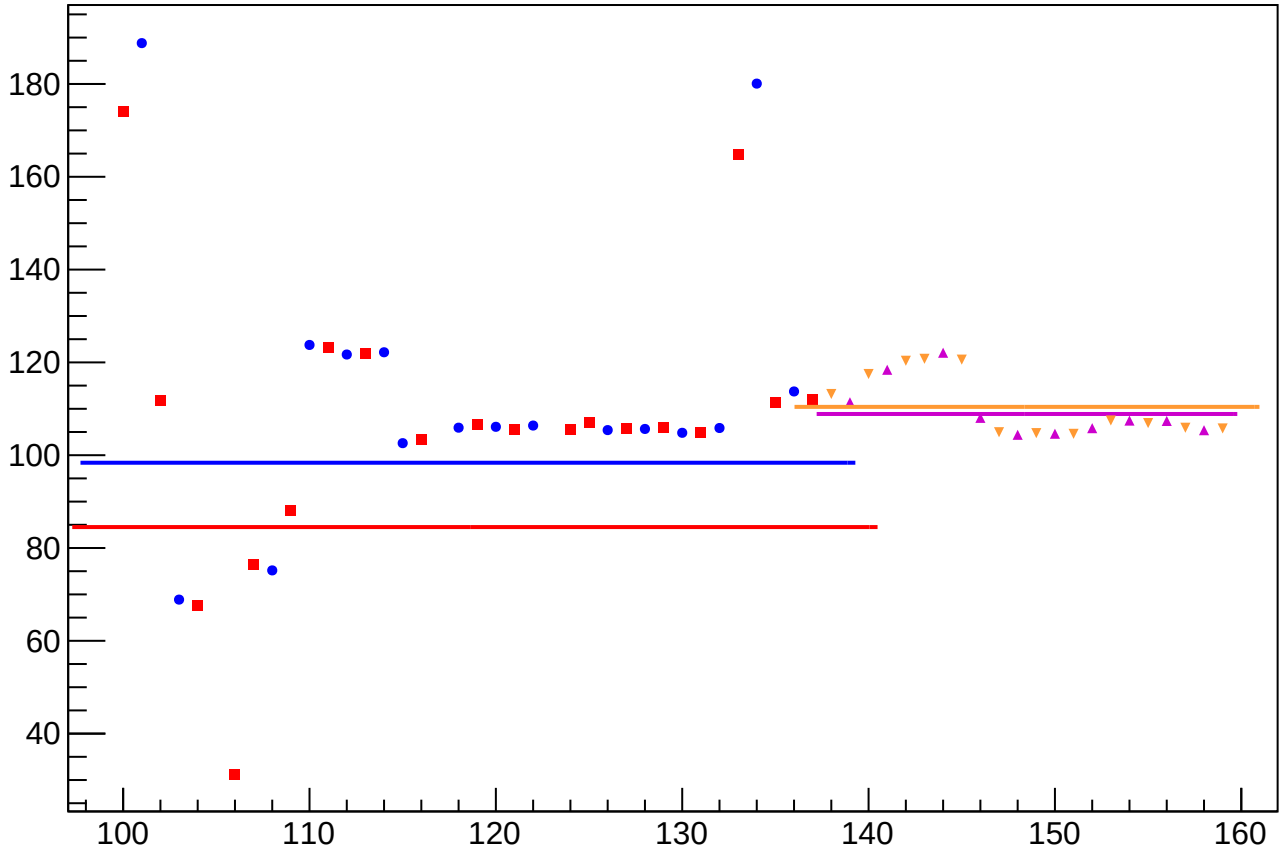
Left In: -47.485+/-0.989 χ^2/NDF:136.7/9

+ sign -55.409+/-0.753 χ^2/NDF: 921.5/27

All: -53.912+/-0.535 χ^2/NDF: 1921.0/56

- sign -52.390+/-0.759 χ^2/NDF: 991.5/28

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

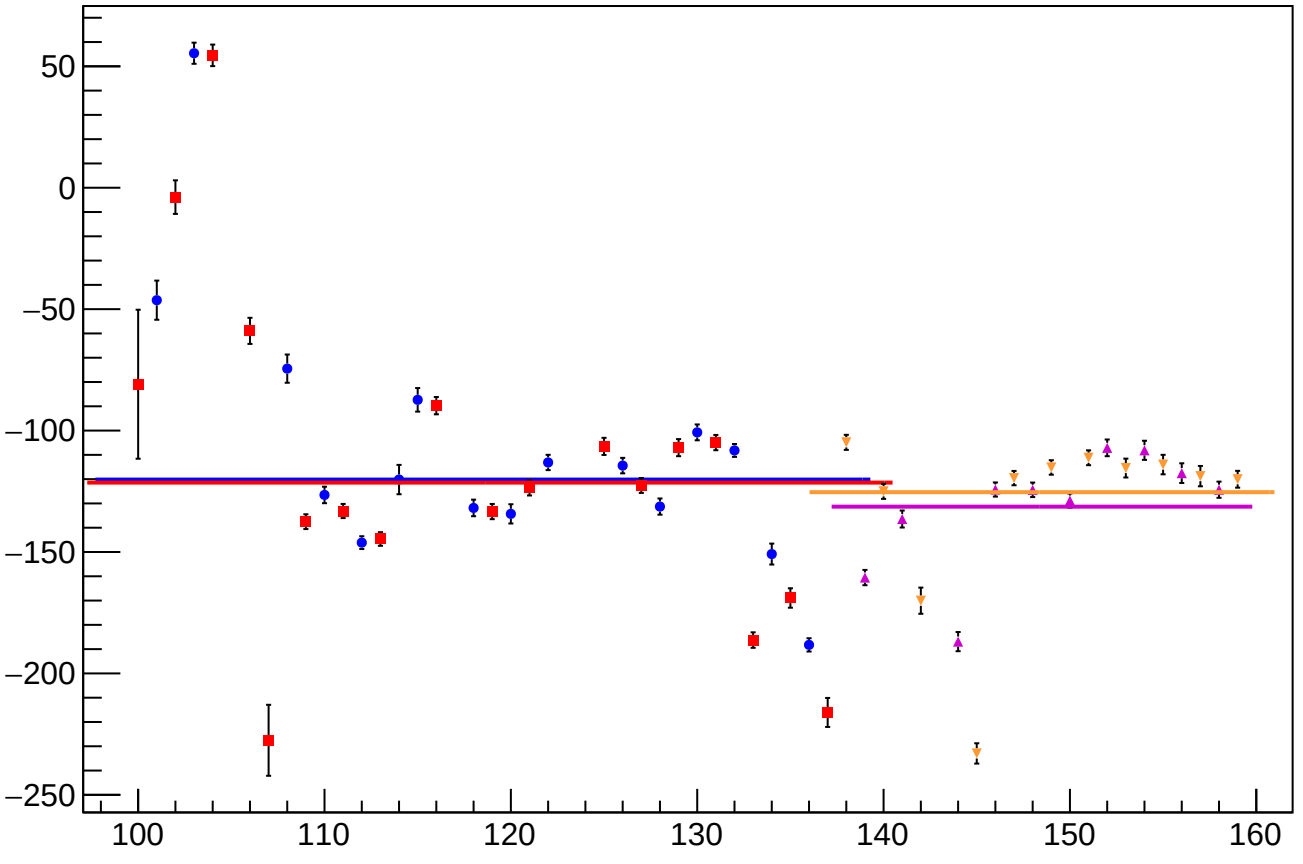
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.884+/-0.047 χ^2/NDF:13831.3/9

+ sign 106.553+/-0.037 χ^2/NDF: 271168.2/27

All: 103.149+/-0.026 χ^2/NDF: 671803.5/56

- sign 99.825+/-0.037 χ^2/NDF: 384270.0/28



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -125.360+/-1.053 χ^2/NDF:829.2/10

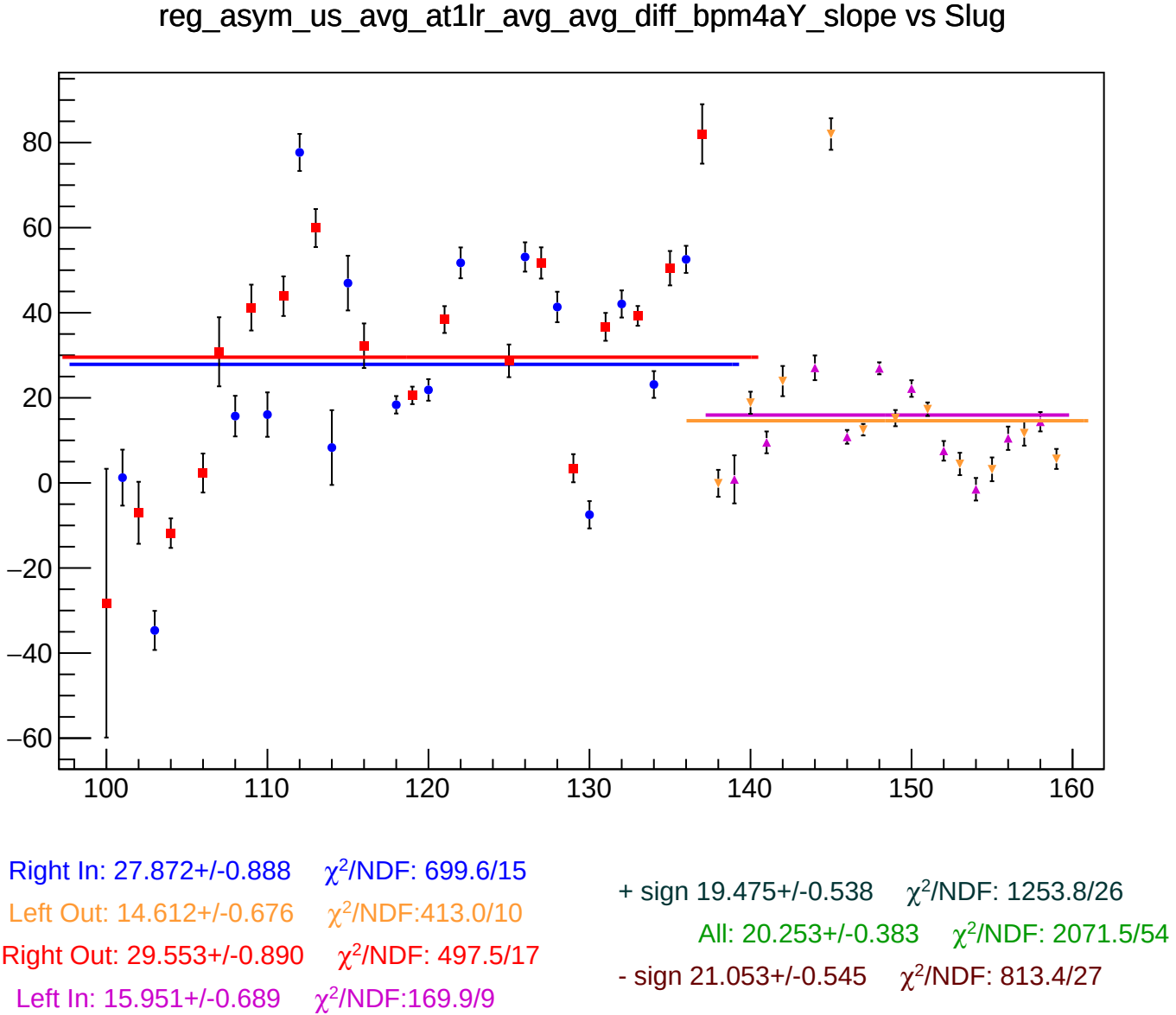
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

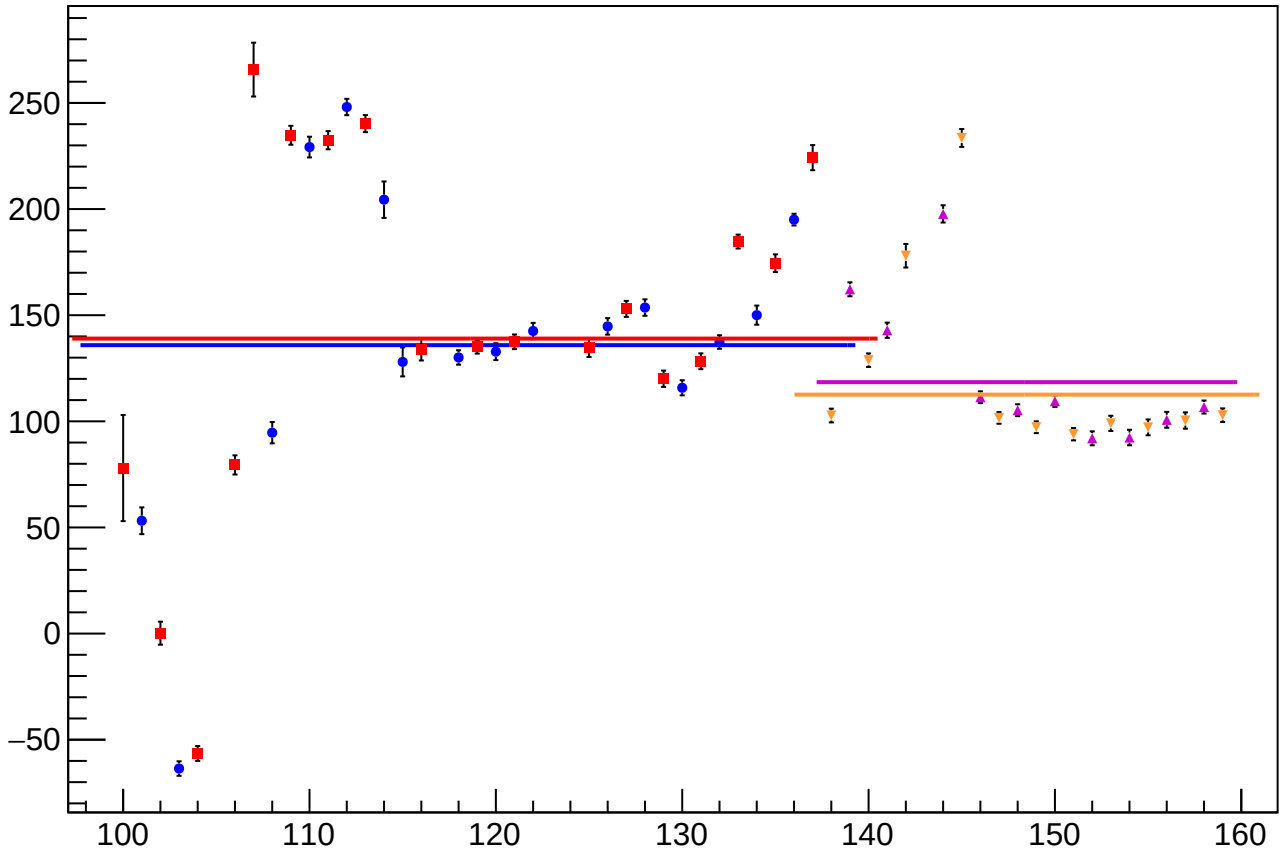
Left In: -131.328+/-1.057 χ^2/NDF:398.3/9

+ sign -122.338+/-0.680 χ^2/NDF: 3534.5/26

All: -123.908+/-0.479 χ^2/NDF: 7121.8/54

- sign -125.450+/-0.674 χ^2/NDF: 3576.8/27


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
Right In: 27.872+/-0.888 χ²/NDF: 699.6/15
Left Out: 14.612+/-0.676 χ²/NDF:413.0/10
Right Out: 29.553+/-0.890 χ²/NDF: 497.5/17
Left In: 15.951+/-0.689 χ²/NDF:169.9/9
+ sign 19.475+/-0.538 χ²/NDF: 1253.8/26
All: 20.253+/-0.383 χ²/NDF: 2071.5/54
- sign 21.053+/-0.545 χ²/NDF: 813.4/27



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 112.579+/-1.013 χ^2/NDF:1132.2/10

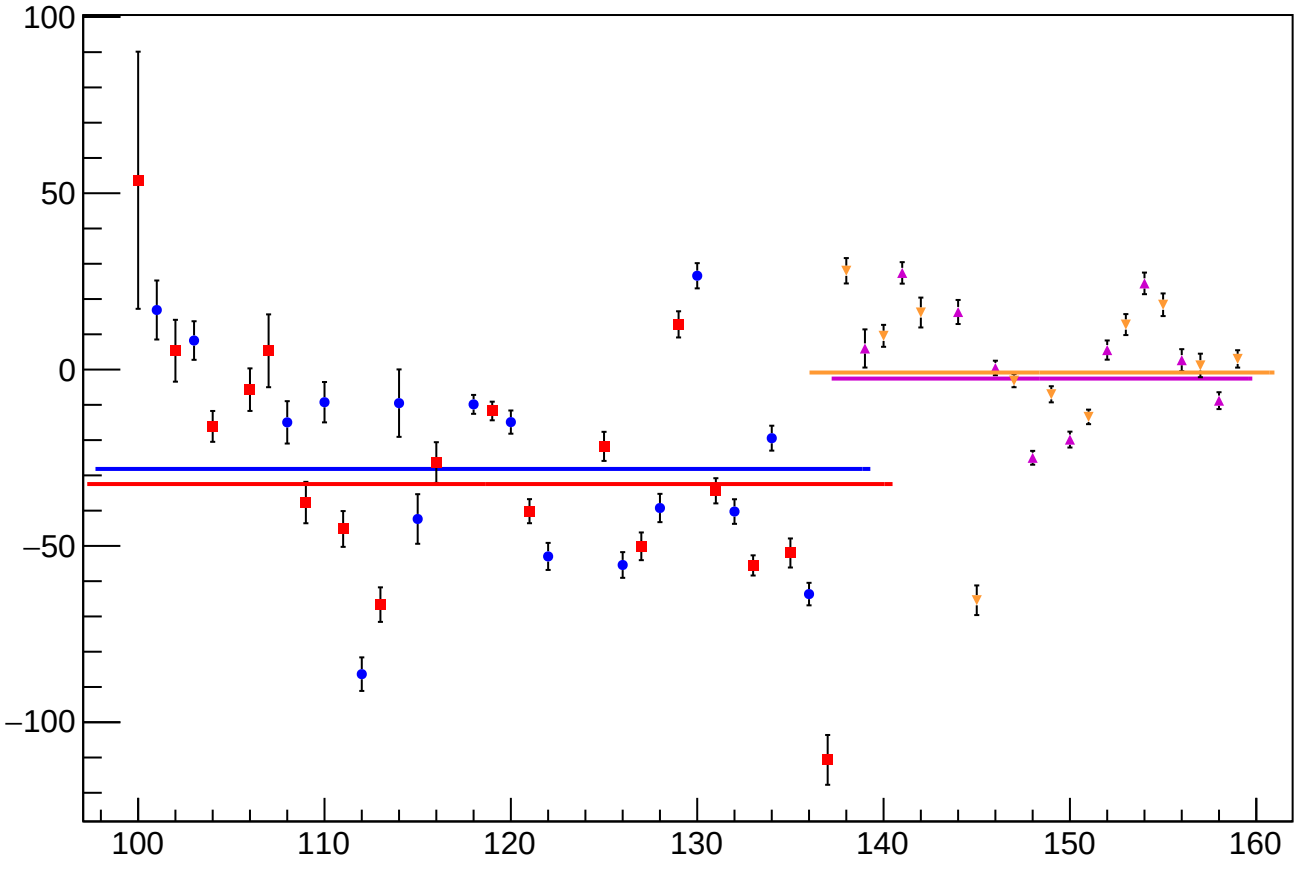
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 118.451+/-1.016 χ^2/NDF:796.8/9

\+ sign 124.400+/-0.711 χ^2/NDF: 6864.3/26

All: 126.646+/-0.503 χ^2/NDF: 14045.4/54

\- sign 128.897+/-0.712 χ^2/NDF: 7161.1/27



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -0.836+/-0.824 χ^2/NDF:433.3/10

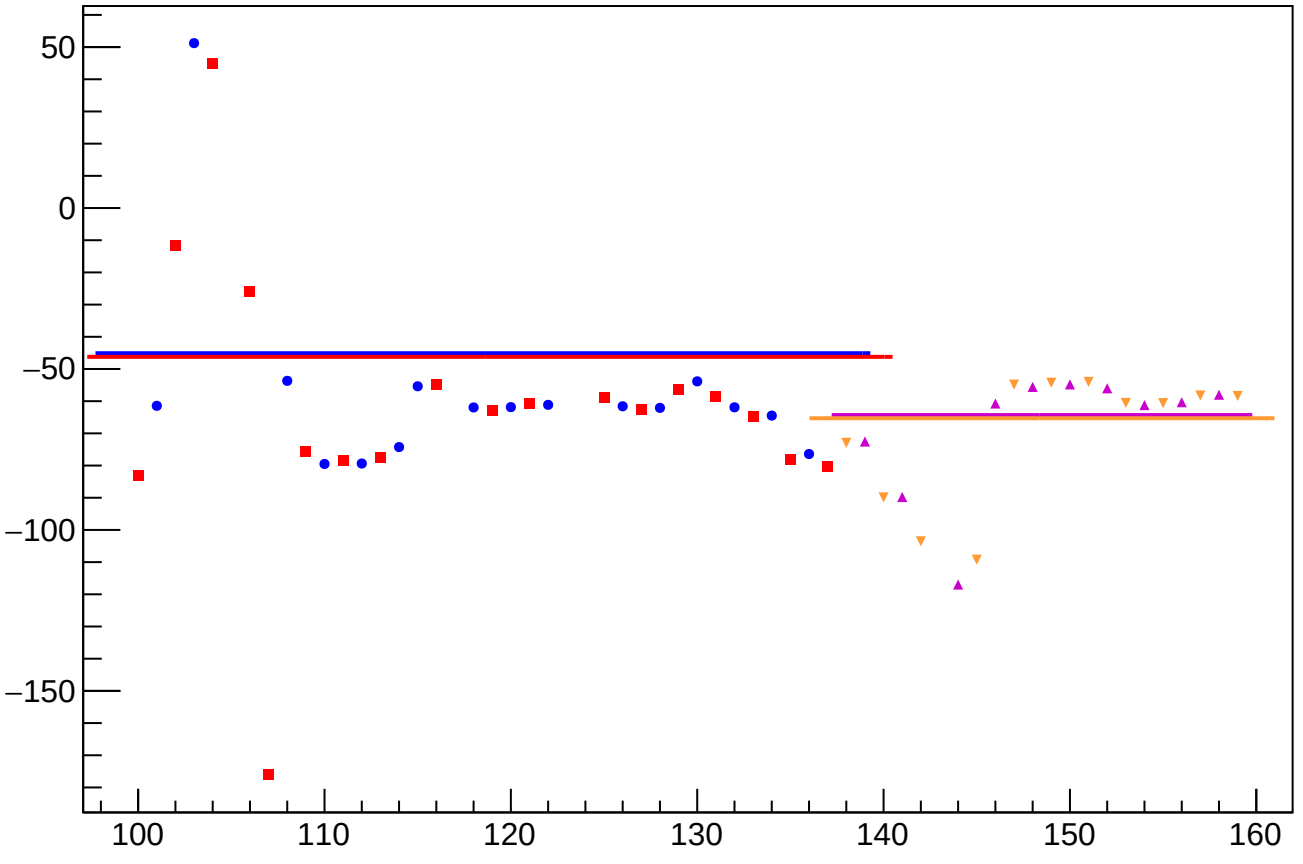
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.555+/-0.834 χ^2/NDF:418.3/9

+ sign -11.601+/-0.641 χ^2/NDF: 1658.1/26

All: -13.002+/-0.456 χ^2/NDF: 3177.7/54

- sign -14.431+/-0.647 χ^2/NDF: 1509.9/27



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

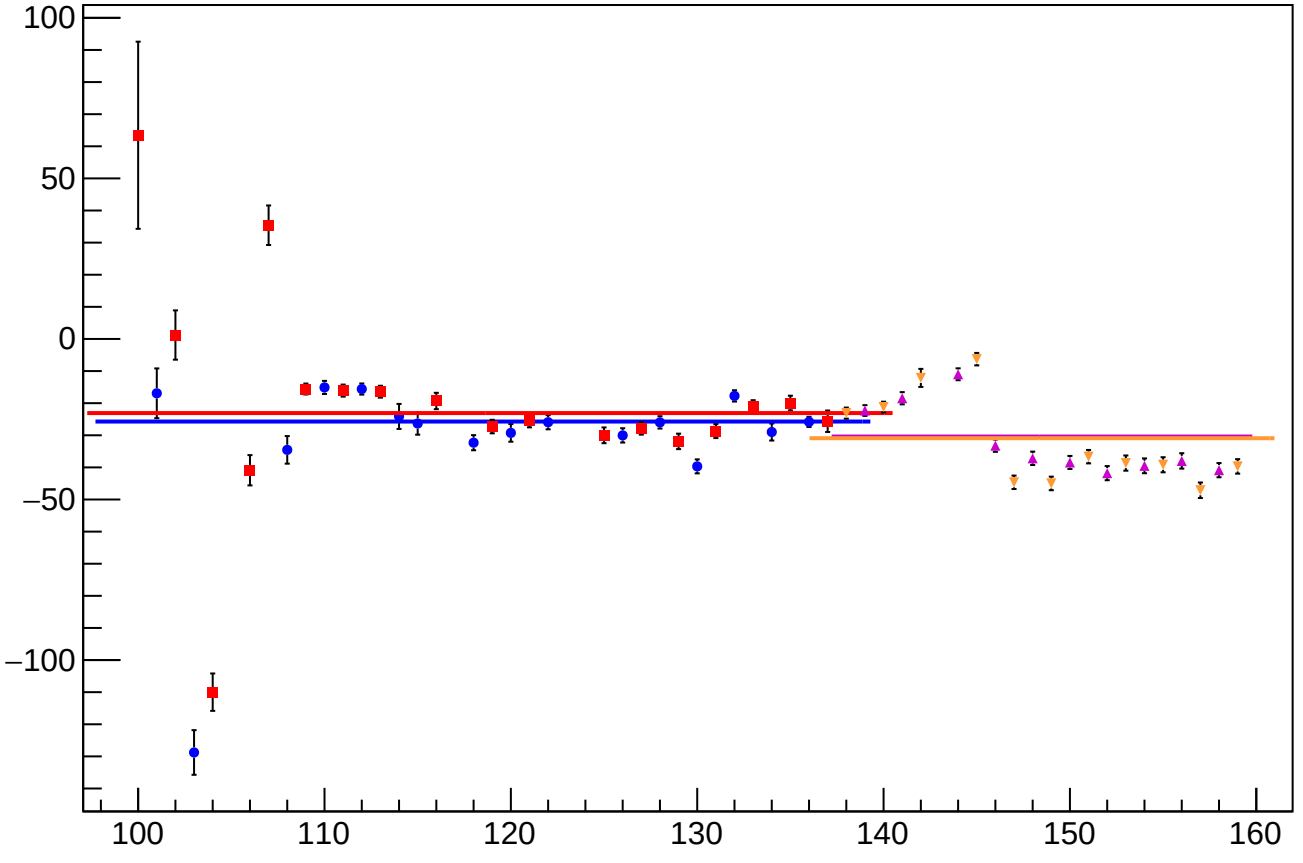
Left In: -64.319+/-0.038 χ^2/NDF:142640.7/9

+ sign -59.311+/-0.033 χ^2/NDF: 821548.1/26

All: -59.335+/-0.023 χ^2/NDF: 1518437.8/54

- sign -59.358+/-0.033 χ^2/NDF: 696888.7/27

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

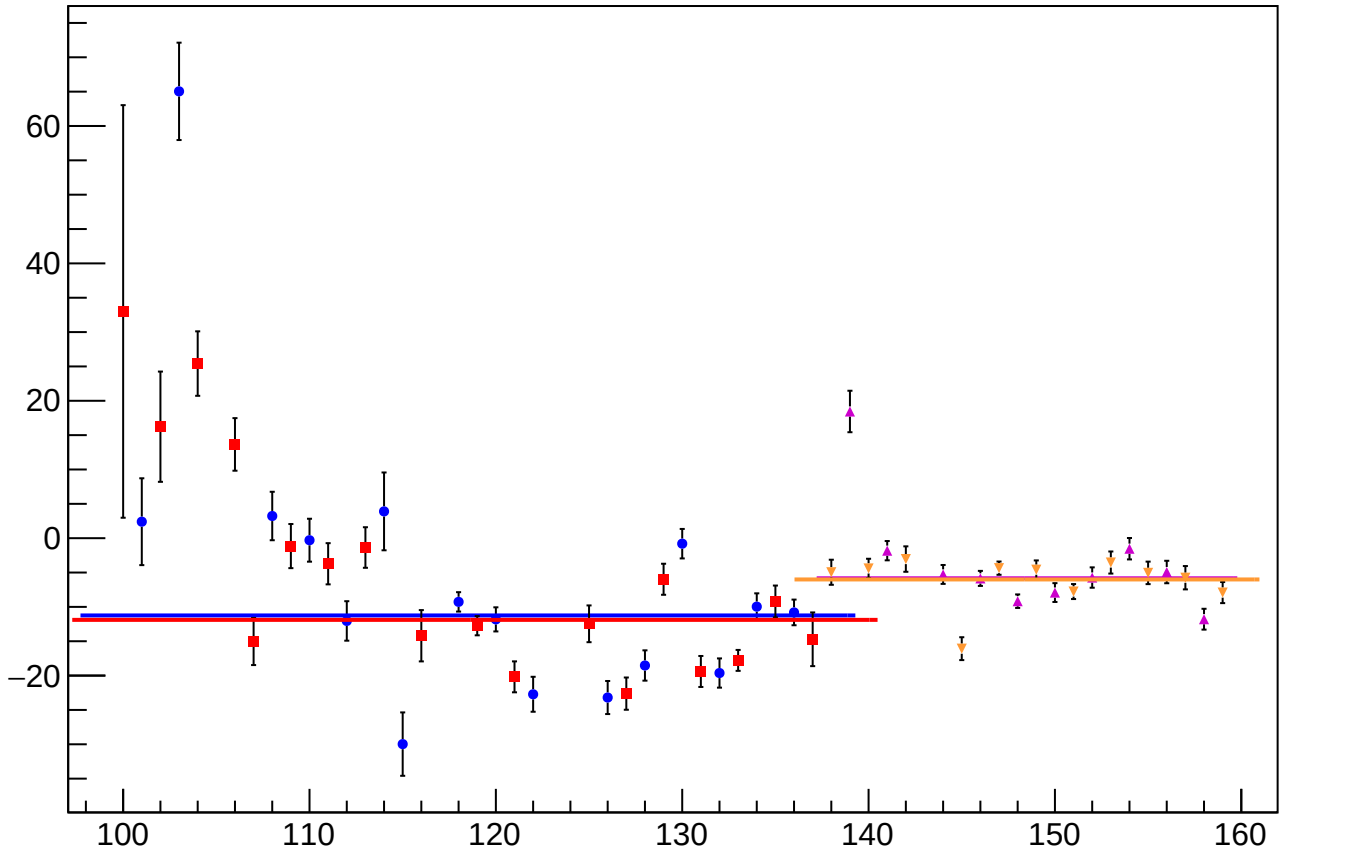
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -30.388+/-0.641 χ^2/NDF:274.7/9

+ sign -28.131+/-0.432 χ^2/NDF: 836.0/26

All: -27.254+/-0.305 χ^2/NDF: 1627.3/54

- sign -26.383+/-0.431 χ^2/NDF: 783.1/27



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.007+/-0.428 χ^2/NDF:51.7/10

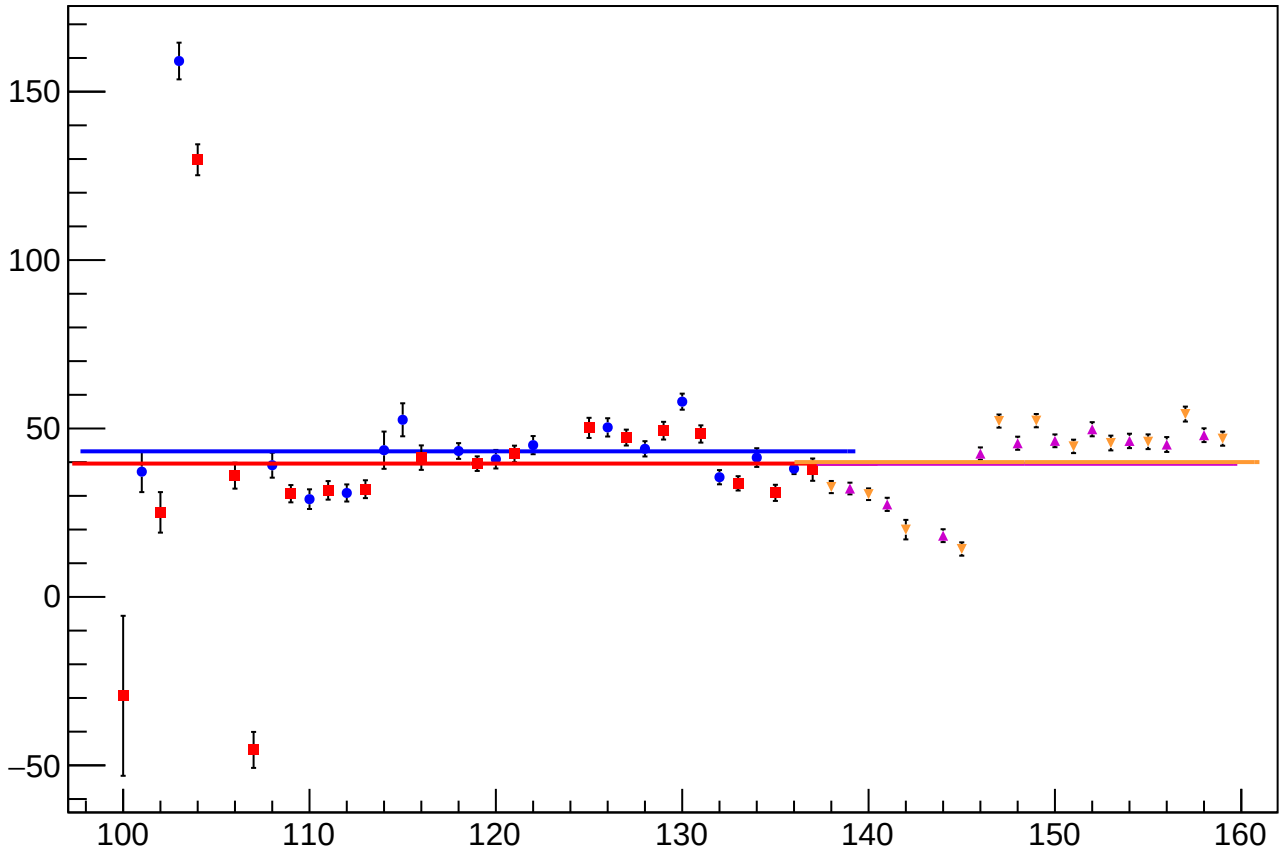
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.835+/-0.438 χ^2/NDF:110.2/9

\+ sign -7.775+/-0.349 χ^2/NDF: 373.3/26

All: -7.840+/-0.249 χ^2/NDF: 773.5/54

\- sign -7.907+/-0.355 χ^2/NDF: 400.1/27



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.030+/-0.616 χ^2/NDF:414.6/10

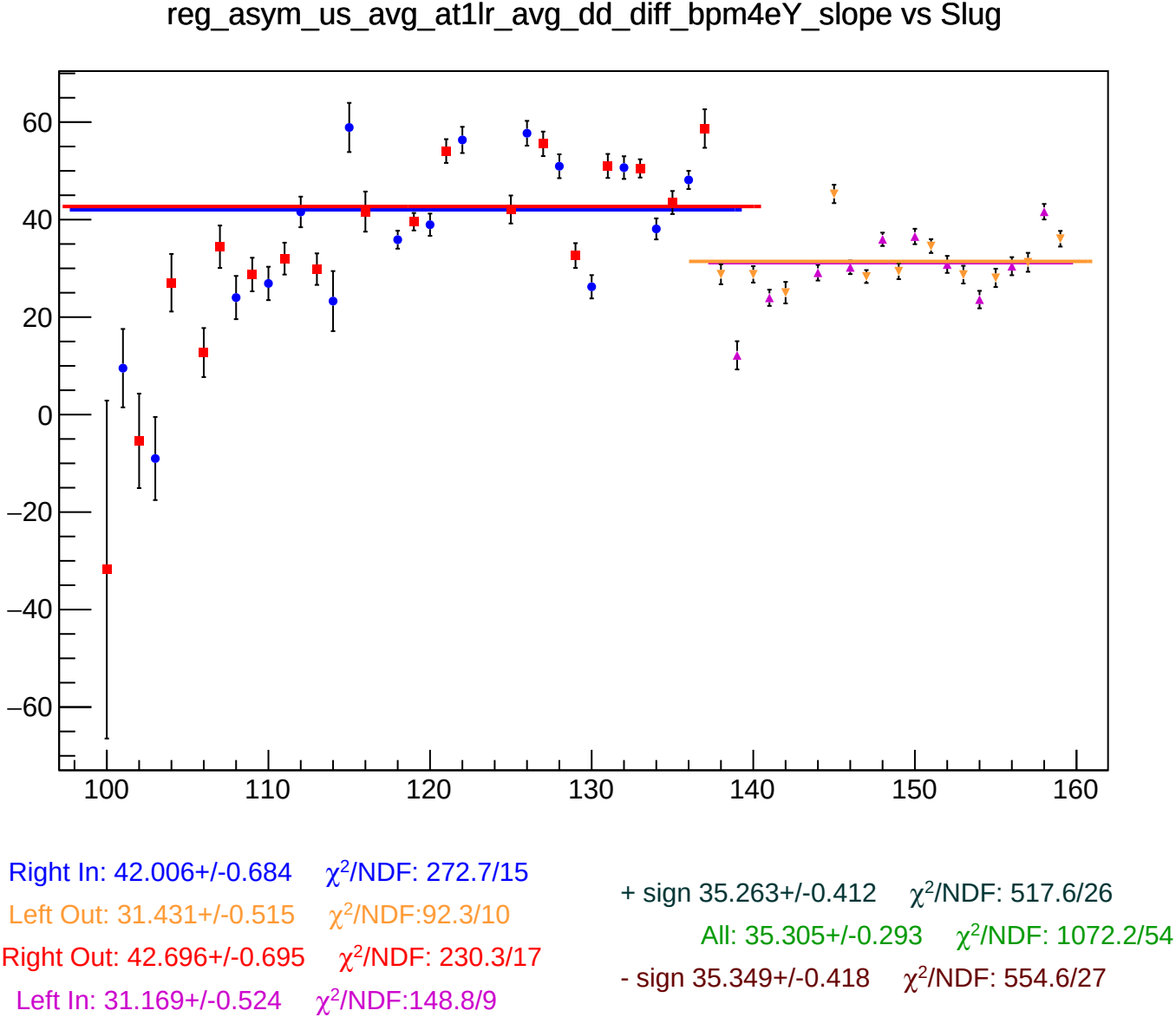
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

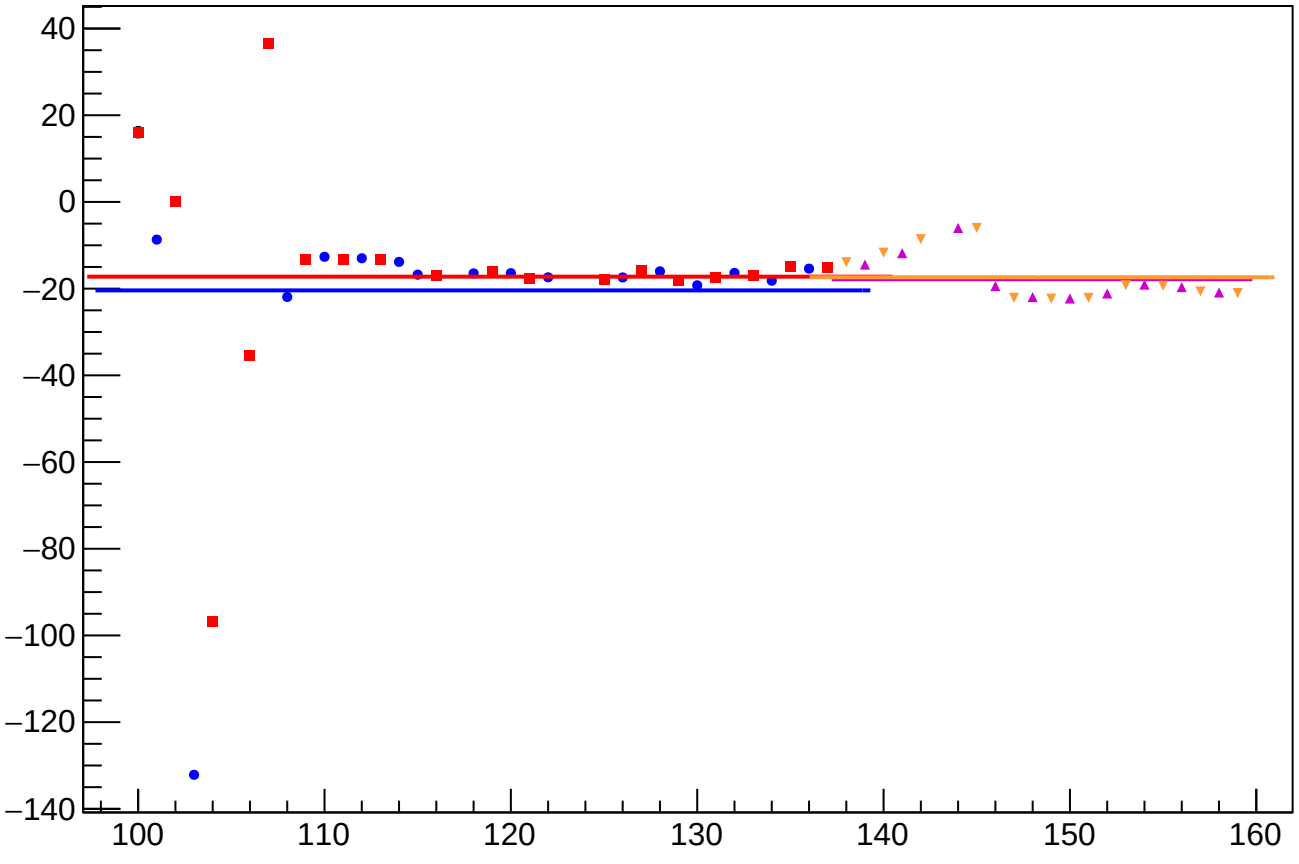
Left In: 39.520+/-0.622 χ^2/NDF:263.2/9

\+ sign 41.474+/-0.456 χ^2/NDF: 1002.7/26

All: 40.521+/-0.324 χ^2/NDF: 2028.8/54

\- sign 39.550+/-0.460 χ^2/NDF: 1017.3/27


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 31.431+/-0.515 χ²/NDF:92.3/10
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 31.169+/-0.524 χ²/NDF:148.8/9
+ sign 35.263+/-0.412 χ²/NDF: 517.6/26
All: 35.305+/-0.293 χ²/NDF: 1072.2/54
- sign 35.349+/-0.418 χ²/NDF: 554.6/27



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

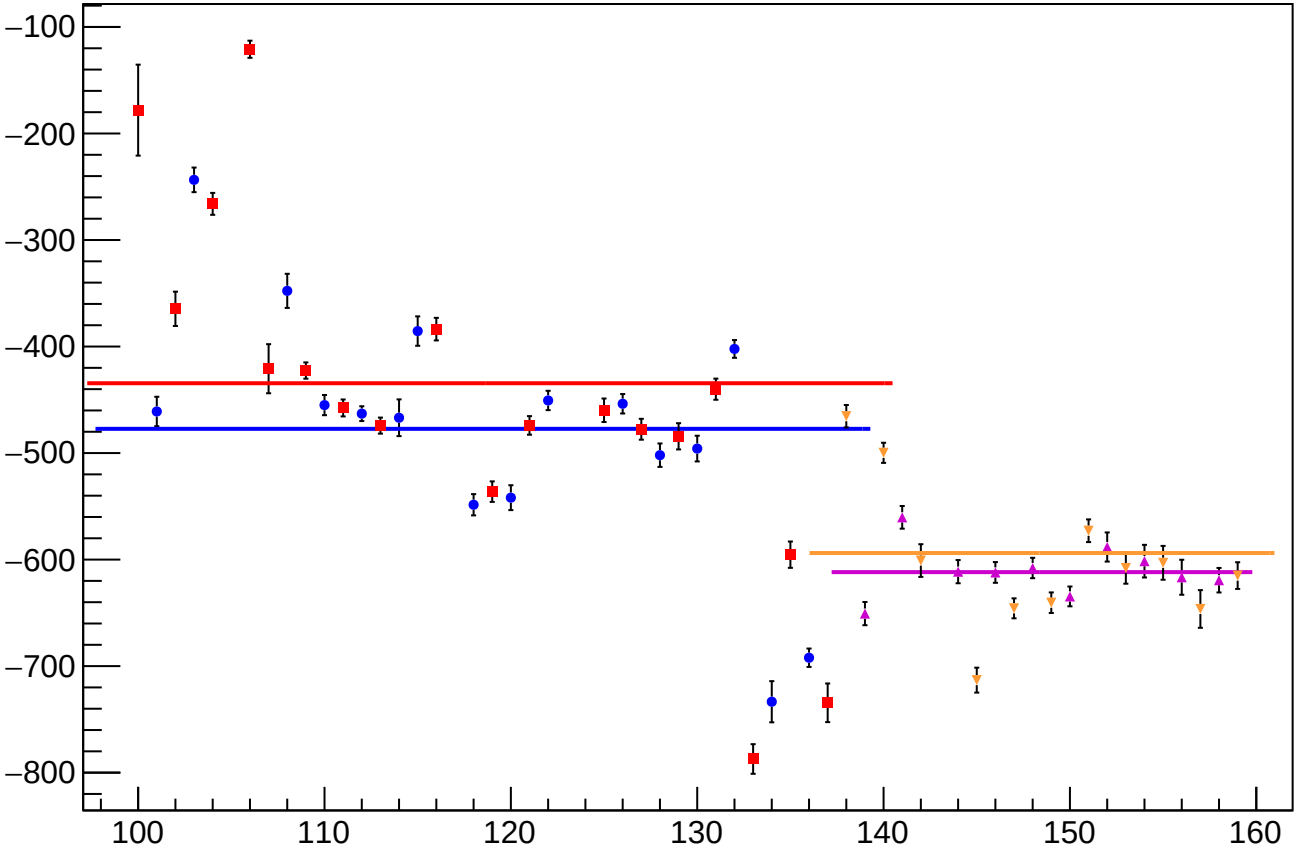
Left In: -17.828+/-0.024 χ^2/NDF:38974.8/9

+ sign -18.106+/-0.021 χ^2/NDF: 300383.5/26

All: -17.903+/-0.015 χ^2/NDF: 544351.6/54

- sign -17.697+/-0.021 χ^2/NDF: 243772.2/27

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -593.836+/-3.517 χ^2/NDF:423.0/10

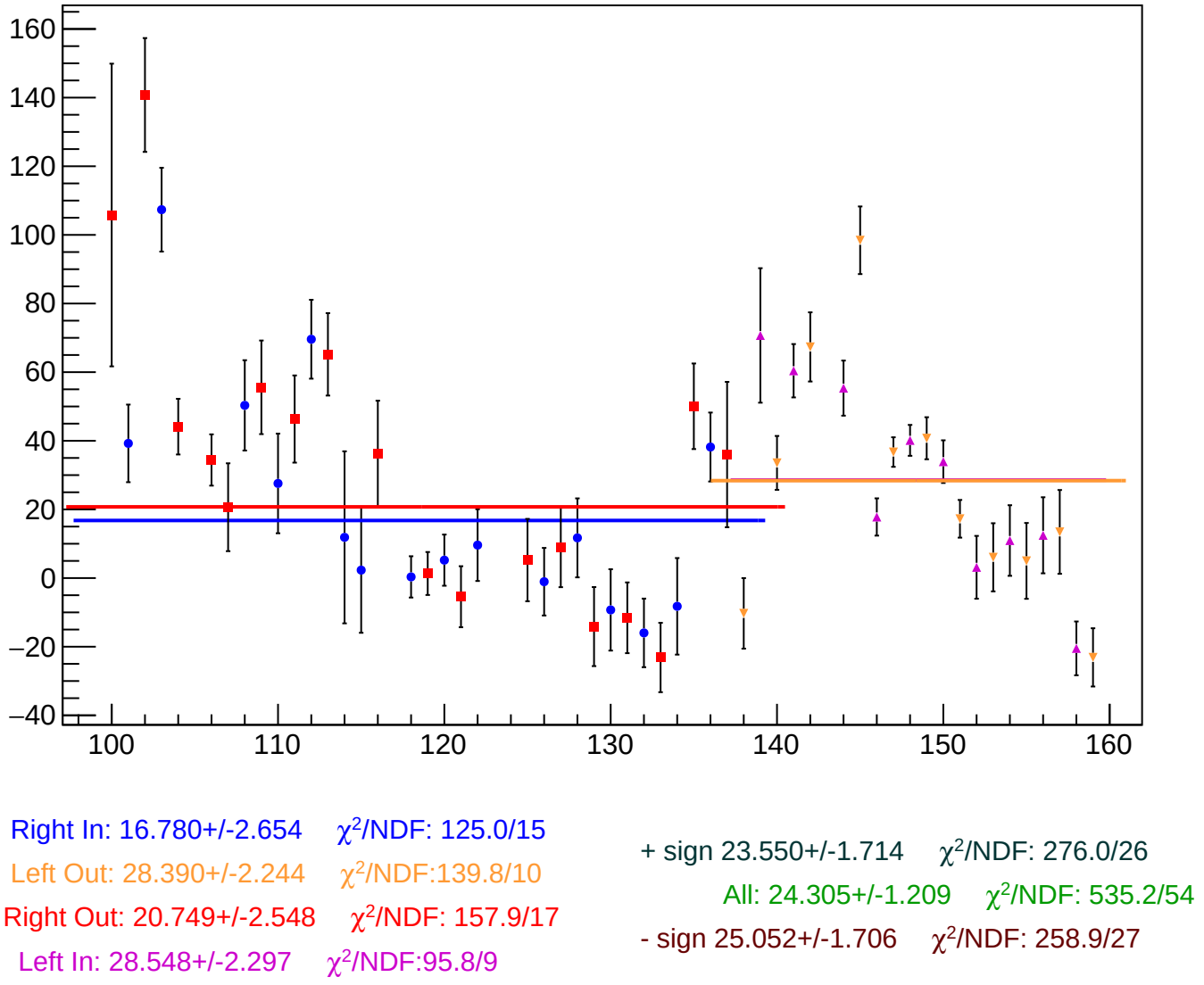
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

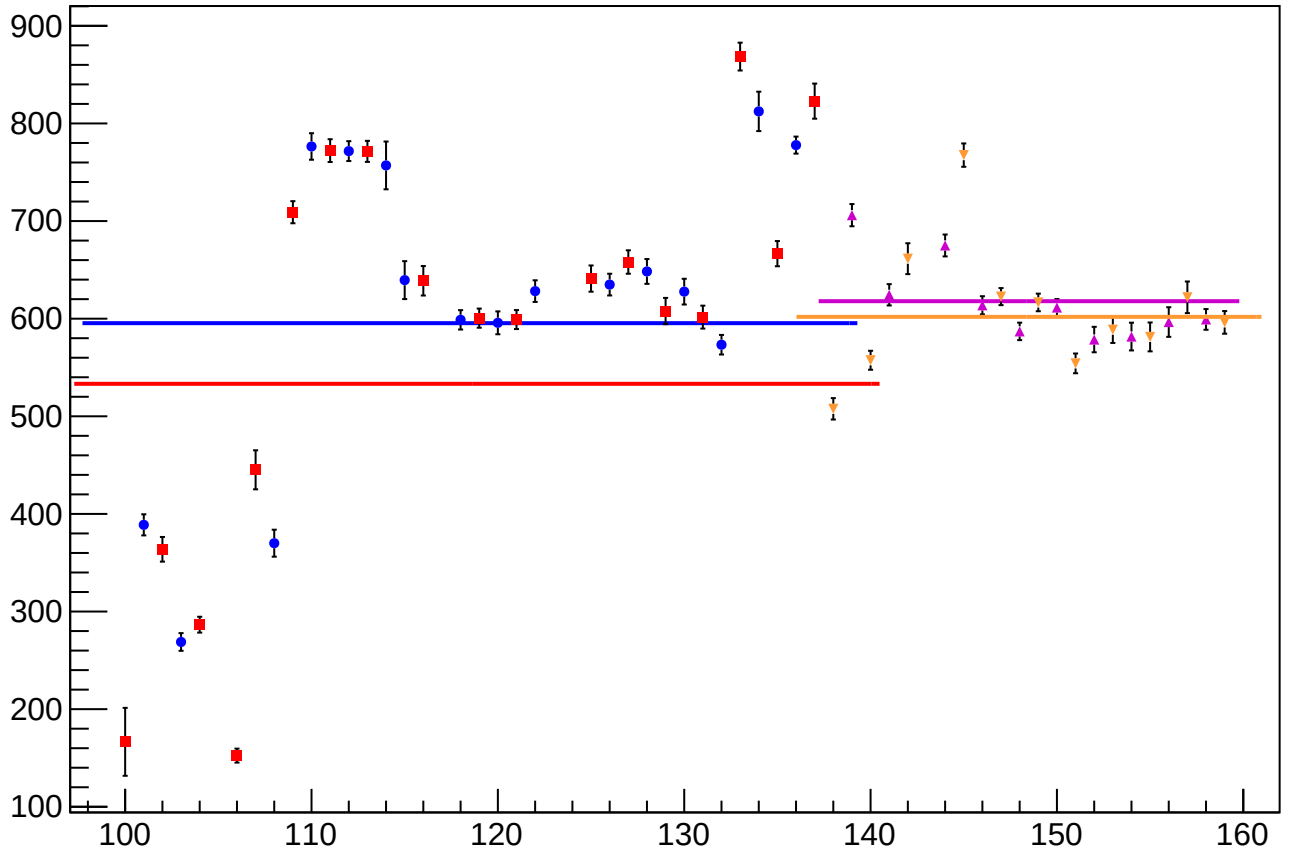
Left In: -611.769+/-3.544 χ^2/NDF:46.3/9

\+ sign -519.136+/-2.108 χ^2/NDF: 2638.1/26

All: -505.124+/-1.460 χ^2/NDF: 7619.0/54

\- sign -492.217+/-2.023 χ^2/NDF: 4896.0/27


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
160
140
120
100
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: 16.780+/-2.654 χ²/NDF: 125.0/15
Left Out: 28.390+/-2.244 χ²/NDF:139.8/10
Right Out: 20.749+/-2.548 χ²/NDF: 157.9/17
Left In: 28.548+/-2.297 χ²/NDF:95.8/9
+ sign 23.550+/-1.714 χ²/NDF: 276.0/26
All: 24.305+/-1.209 χ²/NDF: 535.2/54
- sign 25.052+/-1.706 χ²/NDF: 258.9/27



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 601.871+/-3.405 χ^2/NDF:335.8/10

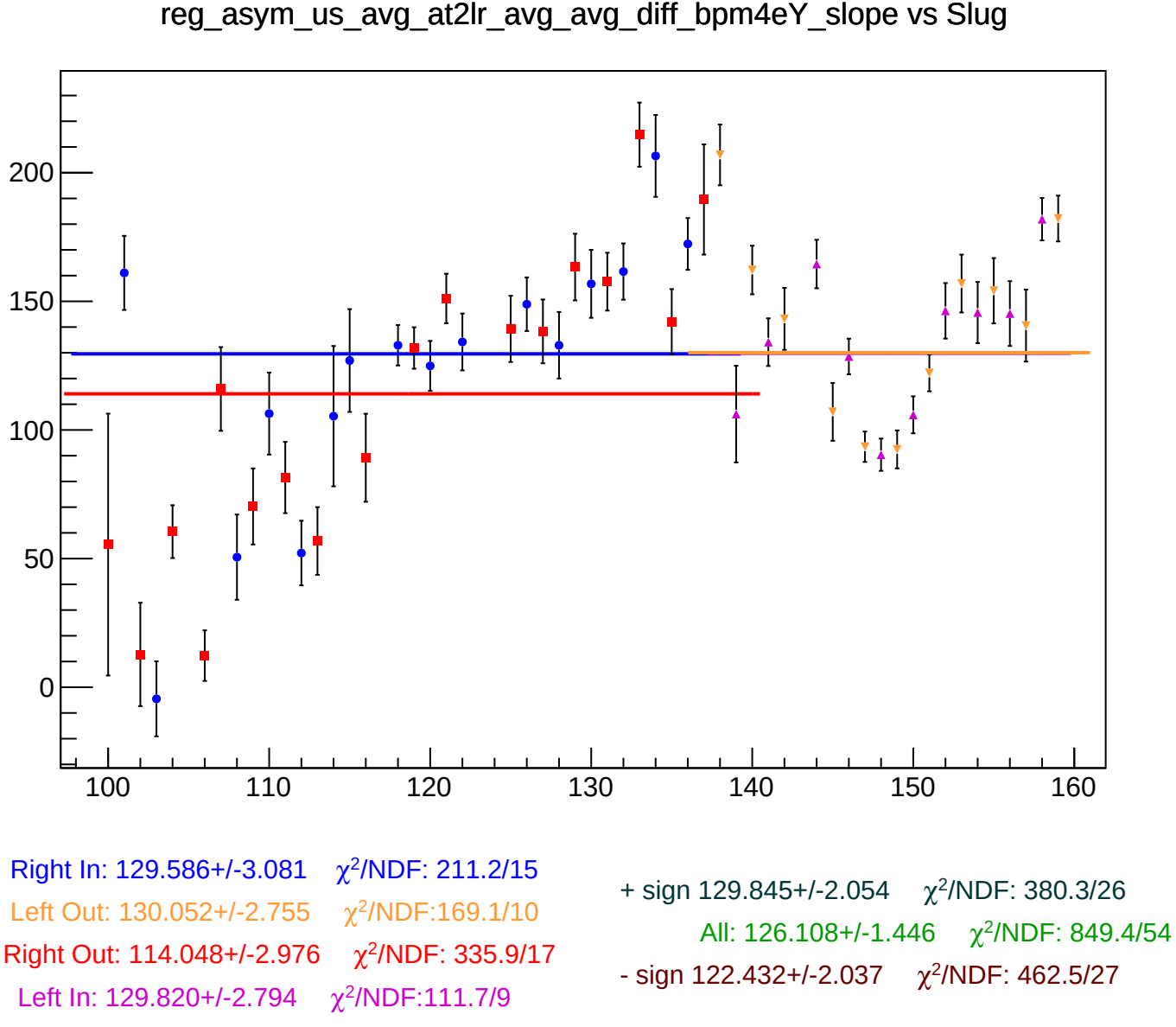
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

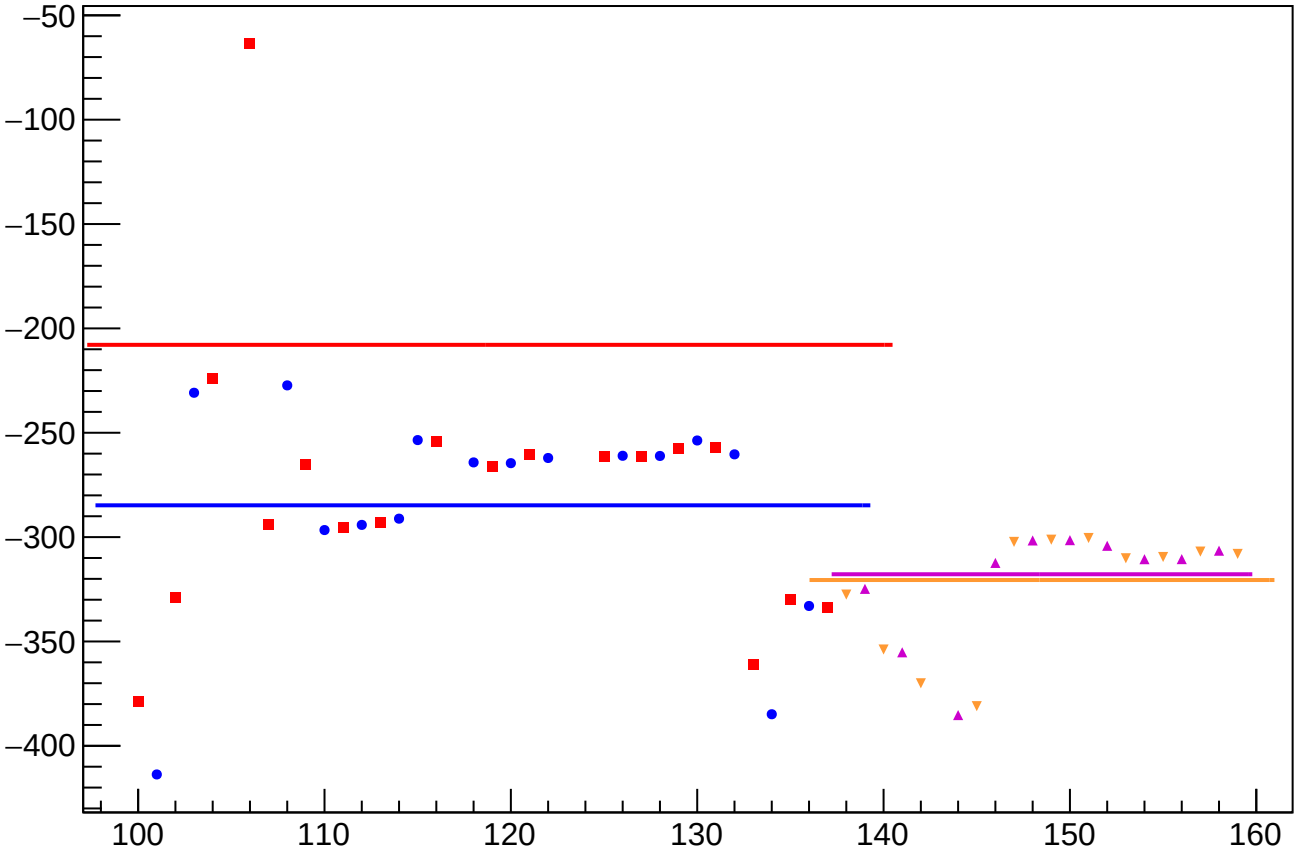
Left In: 617.923+/-3.421 χ^2/NDF:119.7/9

+ sign 598.157+/-2.221 χ^2/NDF: 3397.6/26

All: 581.728+/-1.541 χ^2/NDF: 10498.1/54

- sign 566.451+/-2.141 χ^2/NDF: 6994.9/27


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug
200
150
100
50
0
100
110
120
130
140
150
160
Right In: 129.586+/-3.081 χ²/NDF: 211.2/15
Left Out: 130.052+/-2.755 χ²/NDF:169.1/10
Right Out: 114.048+/-2.976 χ²/NDF: 335.9/17
Left In: 129.820+/-2.794 χ²/NDF:111.7/9
+ sign 129.845+/-2.054 χ²/NDF: 380.3/26
All: 126.108+/-1.446 χ²/NDF: 849.4/54
- sign 122.432+/-2.037 χ²/NDF: 462.5/27



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

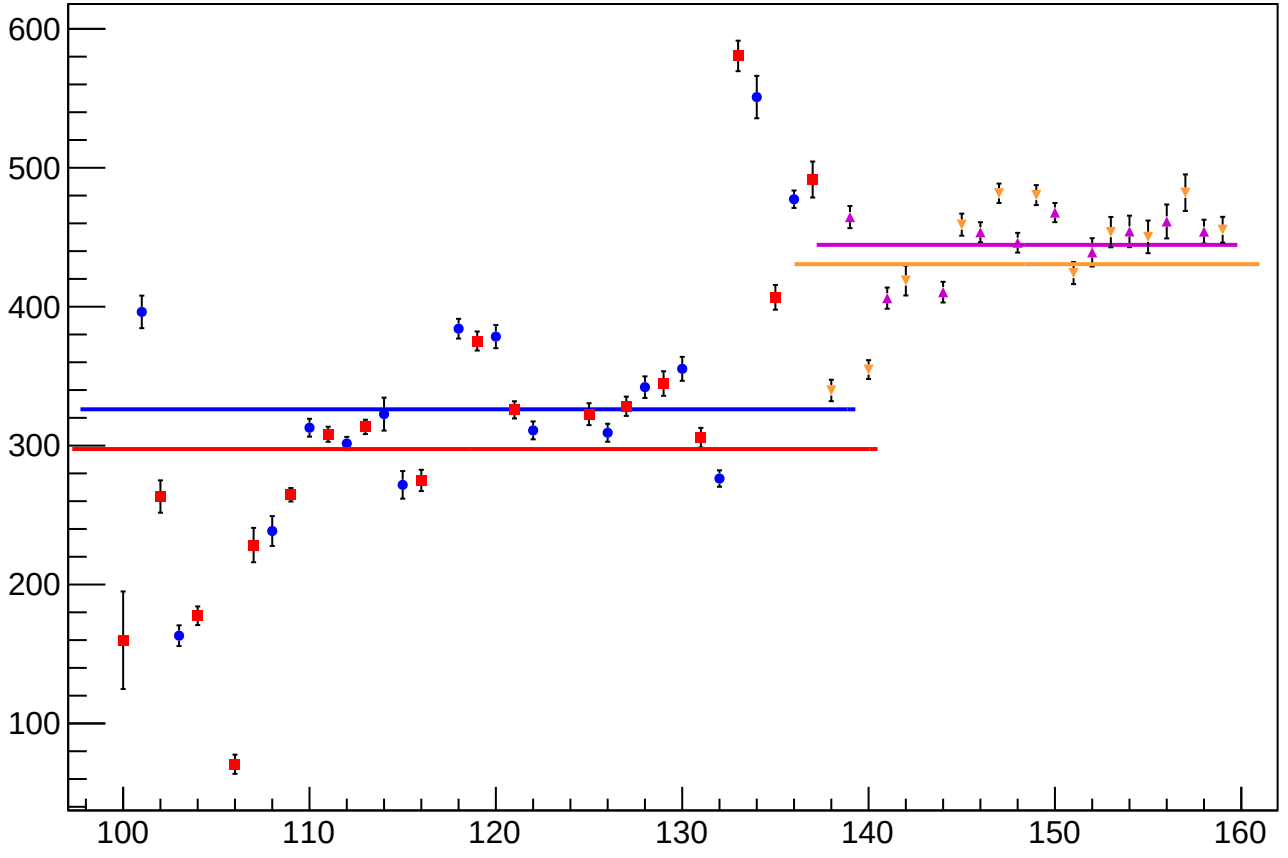
Left In: -317.790+/-0.132 χ^2/NDF:31847.8/9

\+ sign -307.520+/-0.107 χ^2/NDF: 168313.1/26

All: -286.909+/-0.073 χ^2/NDF: 1110557.5/54

\- sign -269.403+/-0.099 χ^2/NDF: 873825.6/27

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

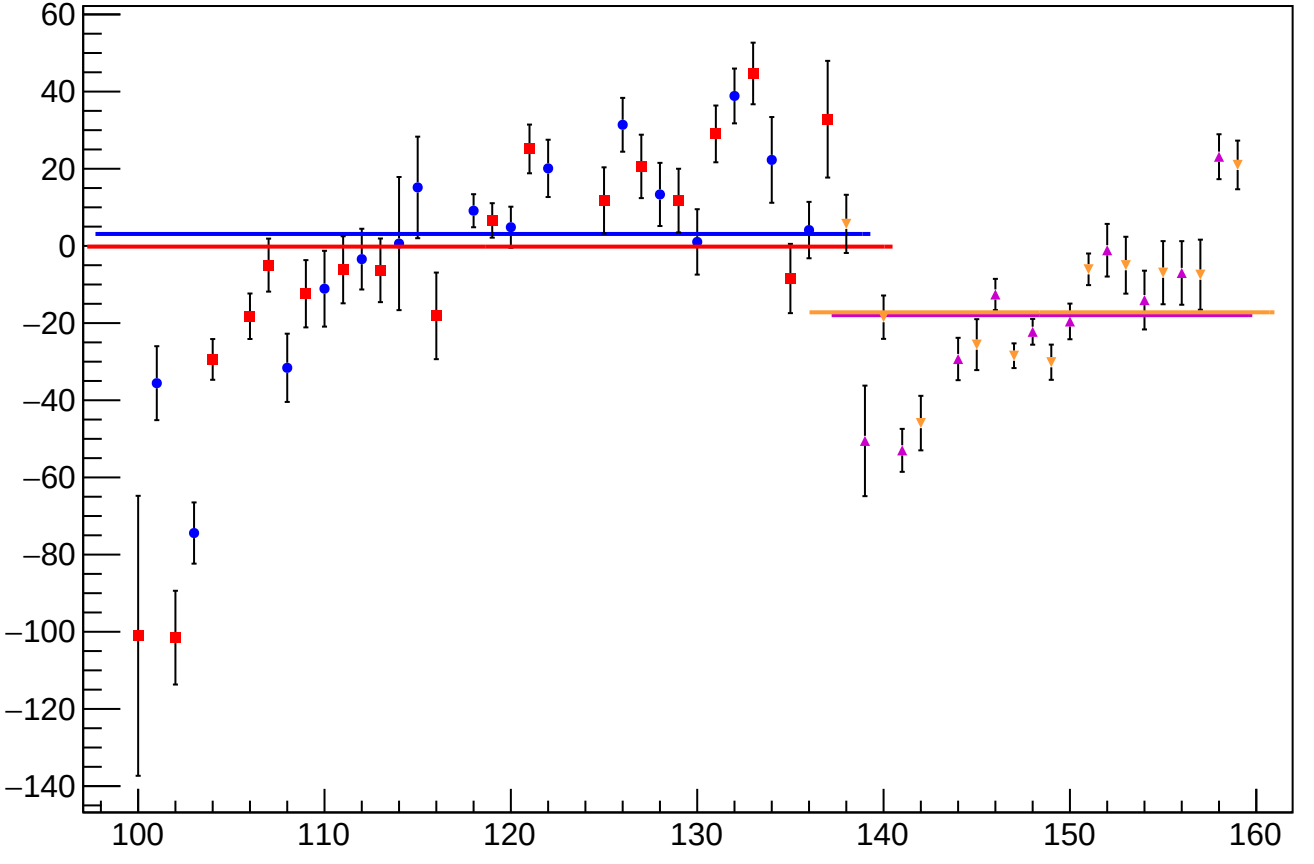
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 444.517+/-2.592 χ^2/NDF:69.7/9

+ sign 362.040+/-1.504 χ^2/NDF: 3141.1/26

All: 352.113+/-1.041 χ^2/NDF: 8290.3/54

- sign 342.995+/-1.442 χ^2/NDF: 5065.6/27



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -17.206+/-1.649 χ^2/NDF:97.4/10

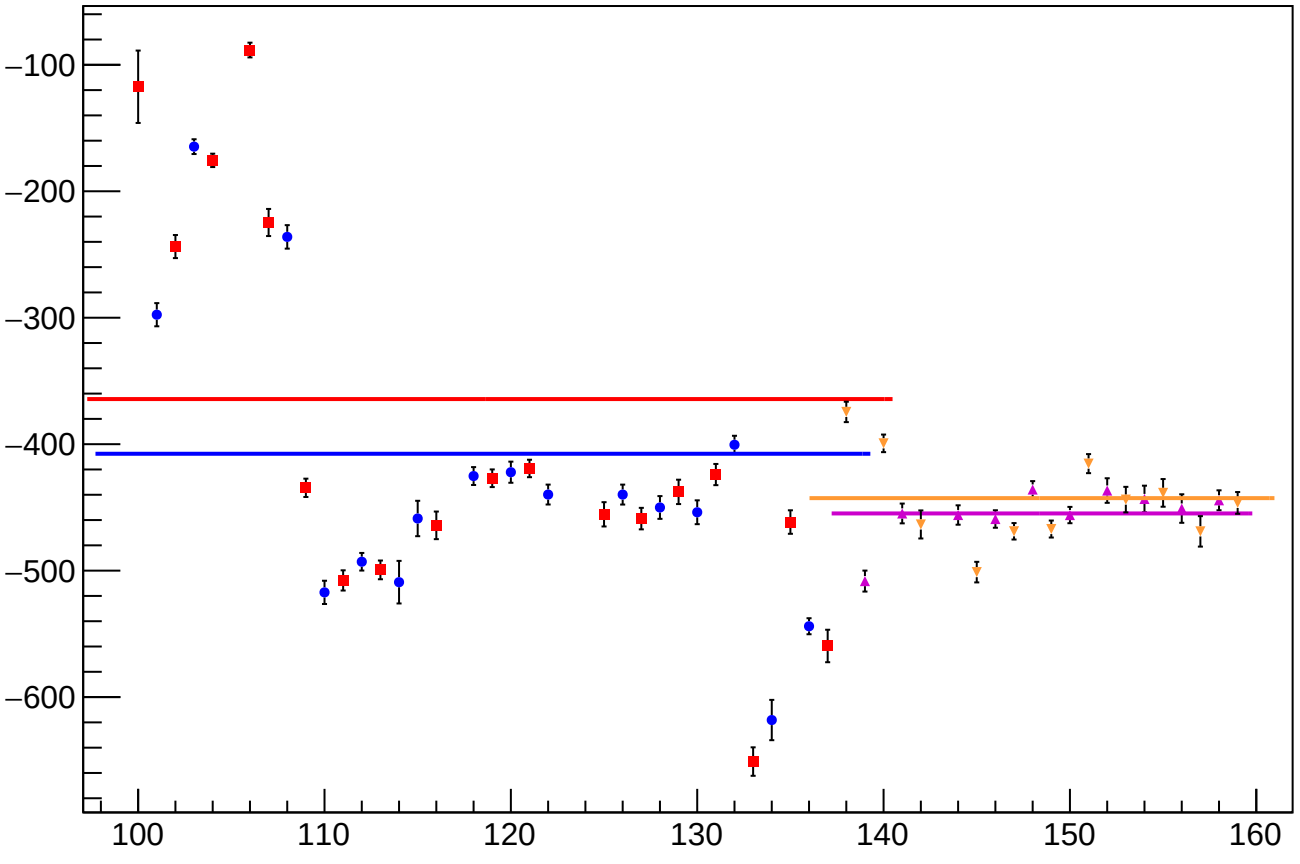
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -17.939+/-1.688 χ^2/NDF:110.5/9

\+ sign -8.443+/-1.243 χ^2/NDF: 347.4/26

All: -9.020+/-0.874 χ^2/NDF: 715.6/54

\- sign -9.583+/-1.229 χ^2/NDF: 367.8/27



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -442.667+/-2.490 χ^2/NDF:213.3/10

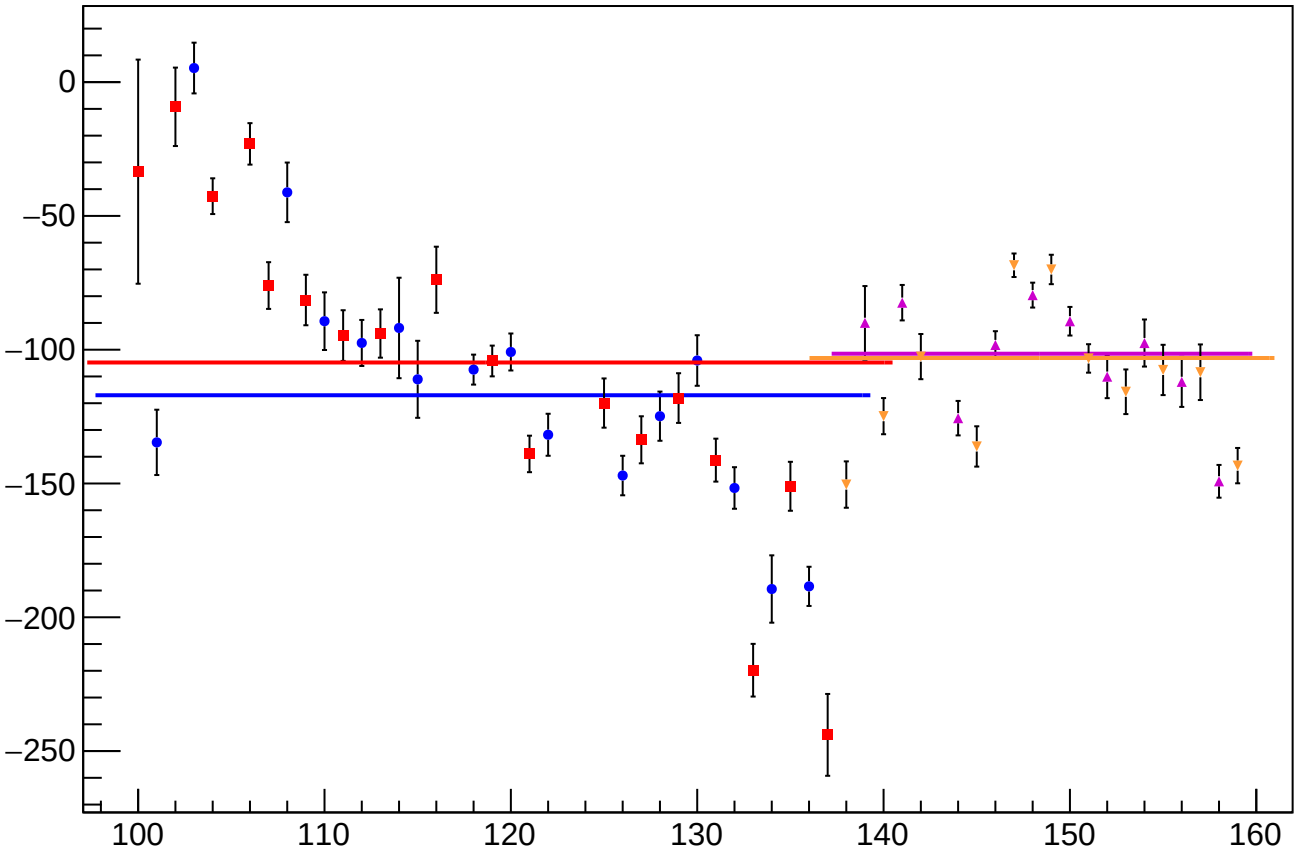
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -454.771+/-2.507 χ^2/NDF:56.7/9

+ sign -421.944+/-1.594 χ^2/NDF: 3611.0/26

All: -409.658+/-1.106 χ^2/NDF: 10816.2/54

- sign -398.254+/-1.535 χ^2/NDF: 7090.5/27



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -103.103+/-2.021 χ^2/NDF:197.6/10

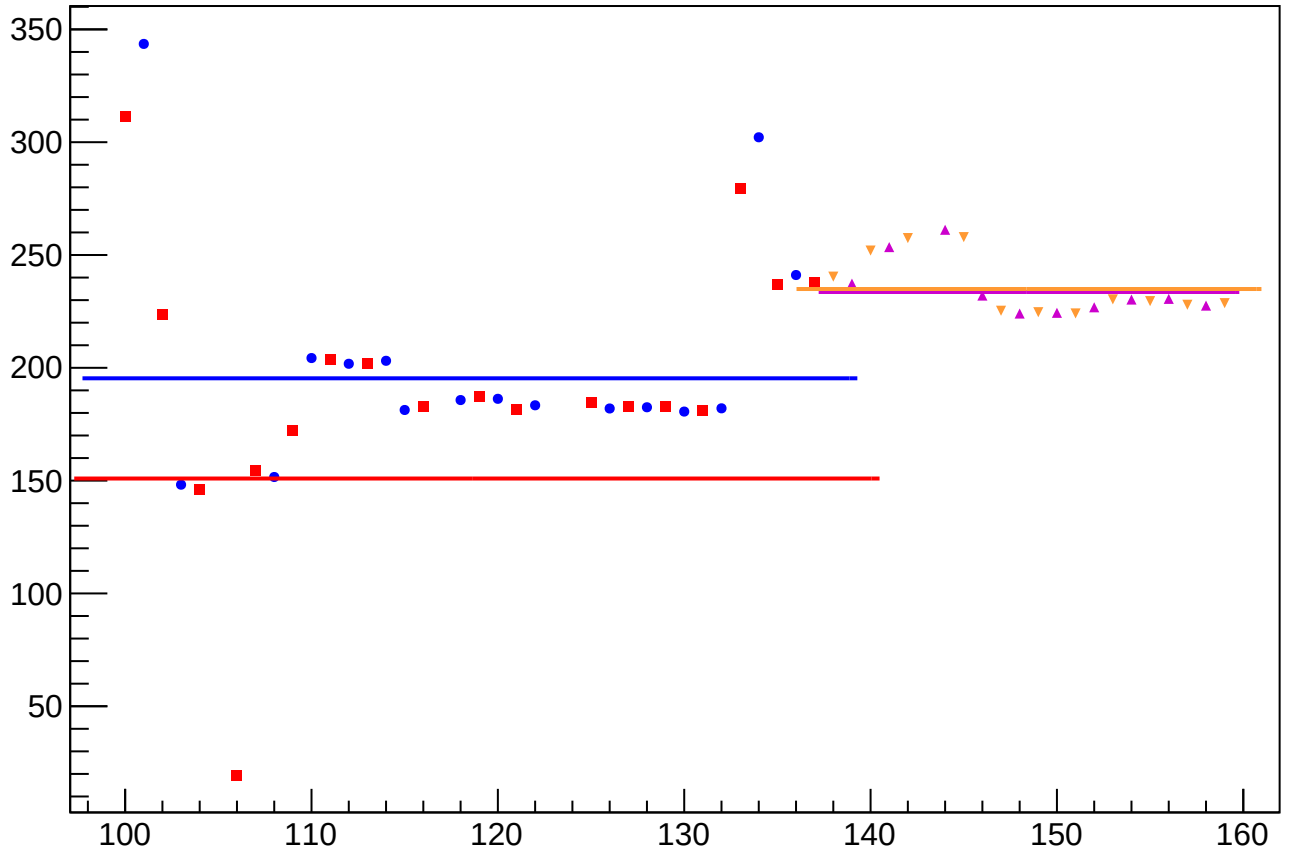
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -101.497+/-2.052 χ^2/NDF:114.0/9

+ sign -109.489+/-1.486 χ^2/NDF: 627.2/26

All: -106.251+/-1.043 χ^2/NDF: 1326.9/54

- sign -103.108+/-1.464 χ^2/NDF: 690.3/27



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 234.927+/-0.098 χ^2/NDF:15711.3/10

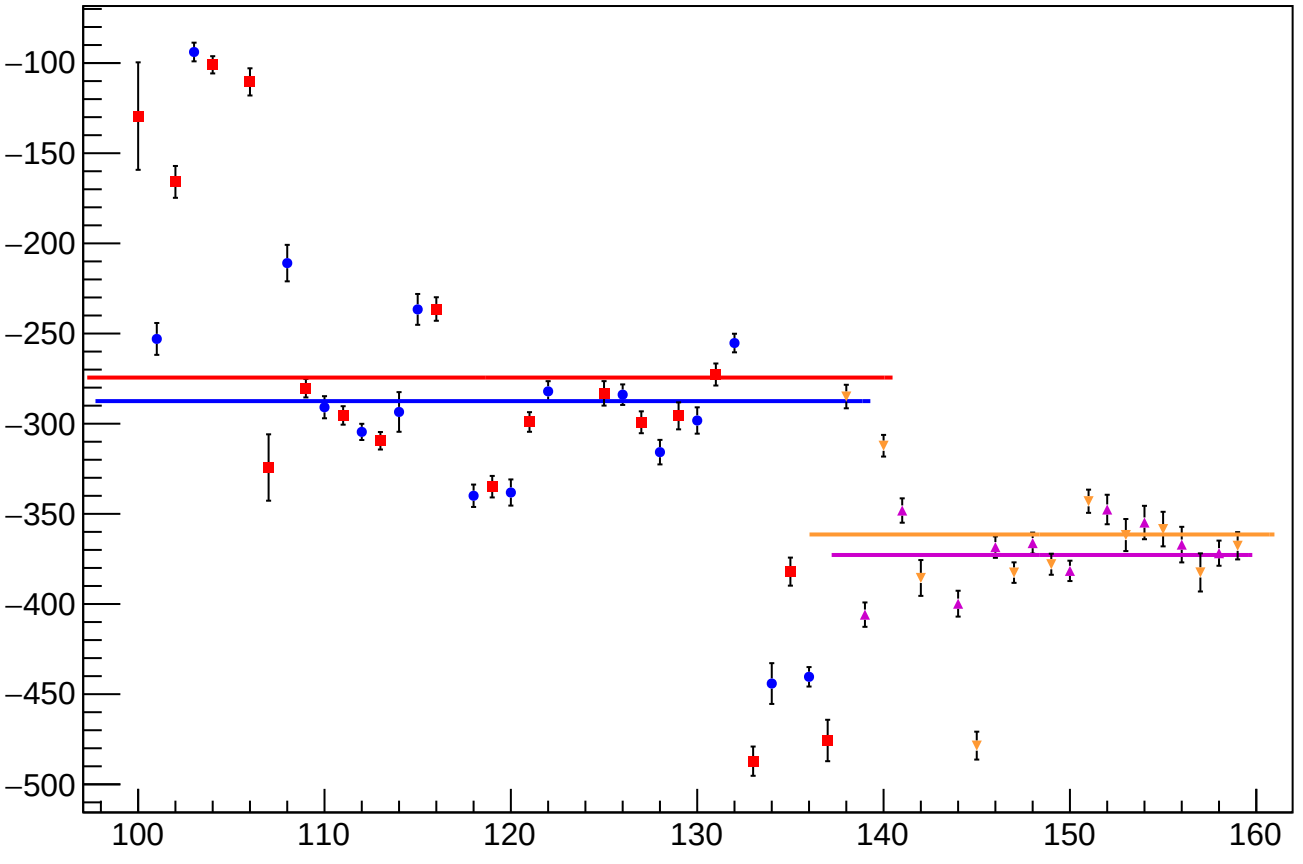
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 233.610+/-0.097 χ^2/NDF:14022.9/9

+ sign 219.725+/-0.077 χ^2/NDF: 254791.4/26

All: 207.966+/-0.053 χ^2/NDF: 1129196.9/54

- sign 197.527+/-0.073 χ^2/NDF: 830656.8/27



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -361.438+/-2.170 χ^2/NDF:474.4/10

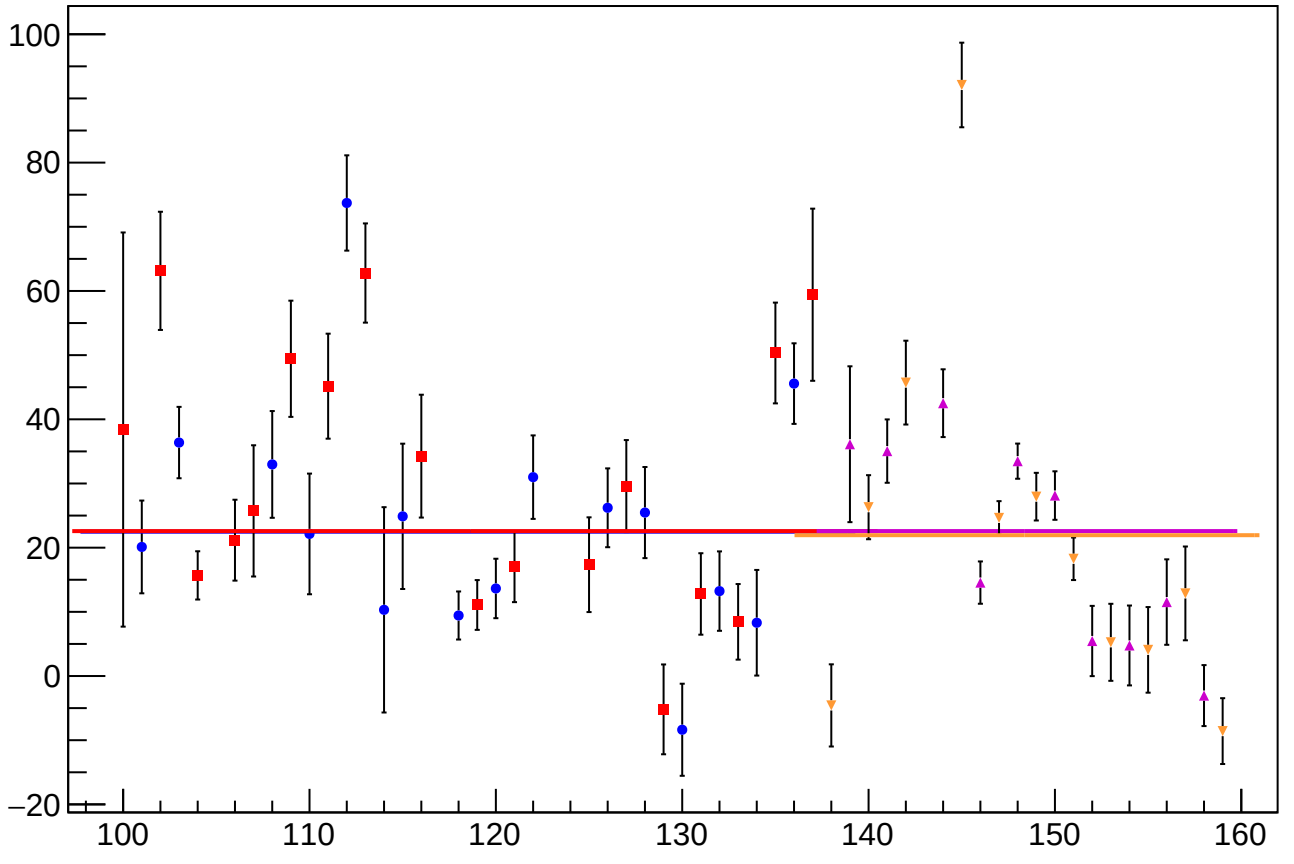
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -372.808+/-2.182 χ^2/NDF:69.3/9

+ sign -313.758+/-1.294 χ^2/NDF: 3919.7/26

All: -310.531+/-0.904 χ^2/NDF: 8764.9/54

- sign -307.449+/-1.264 χ^2/NDF: 4833.1/27



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

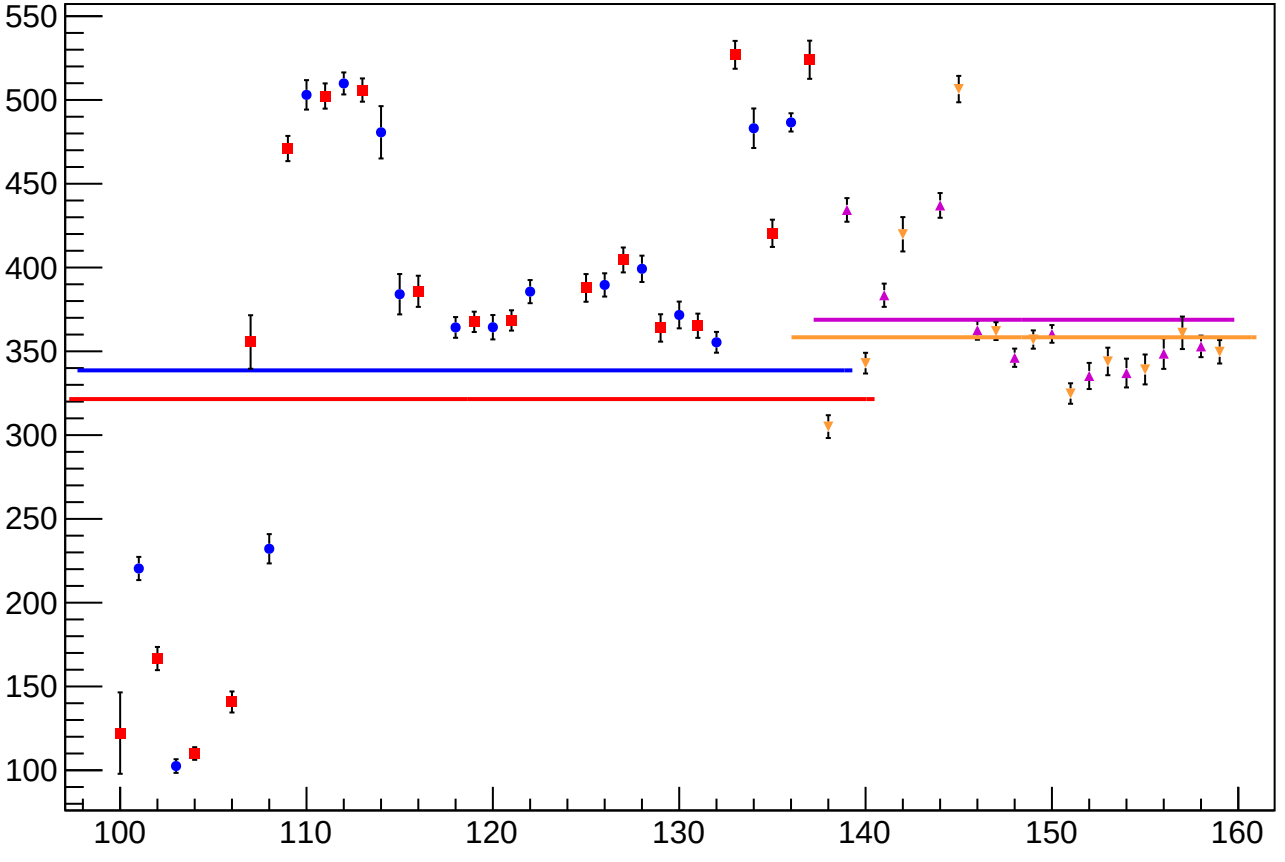
Left In: 22.584+/-1.407 χ^2/NDF:95.6/9

+ sign 22.174+/-1.049 χ^2/NDF: 312.7/26

All: 22.378+/-0.741 χ^2/NDF: 531.7/54

- sign 22.582+/-1.048 χ^2/NDF: 218.9/27

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

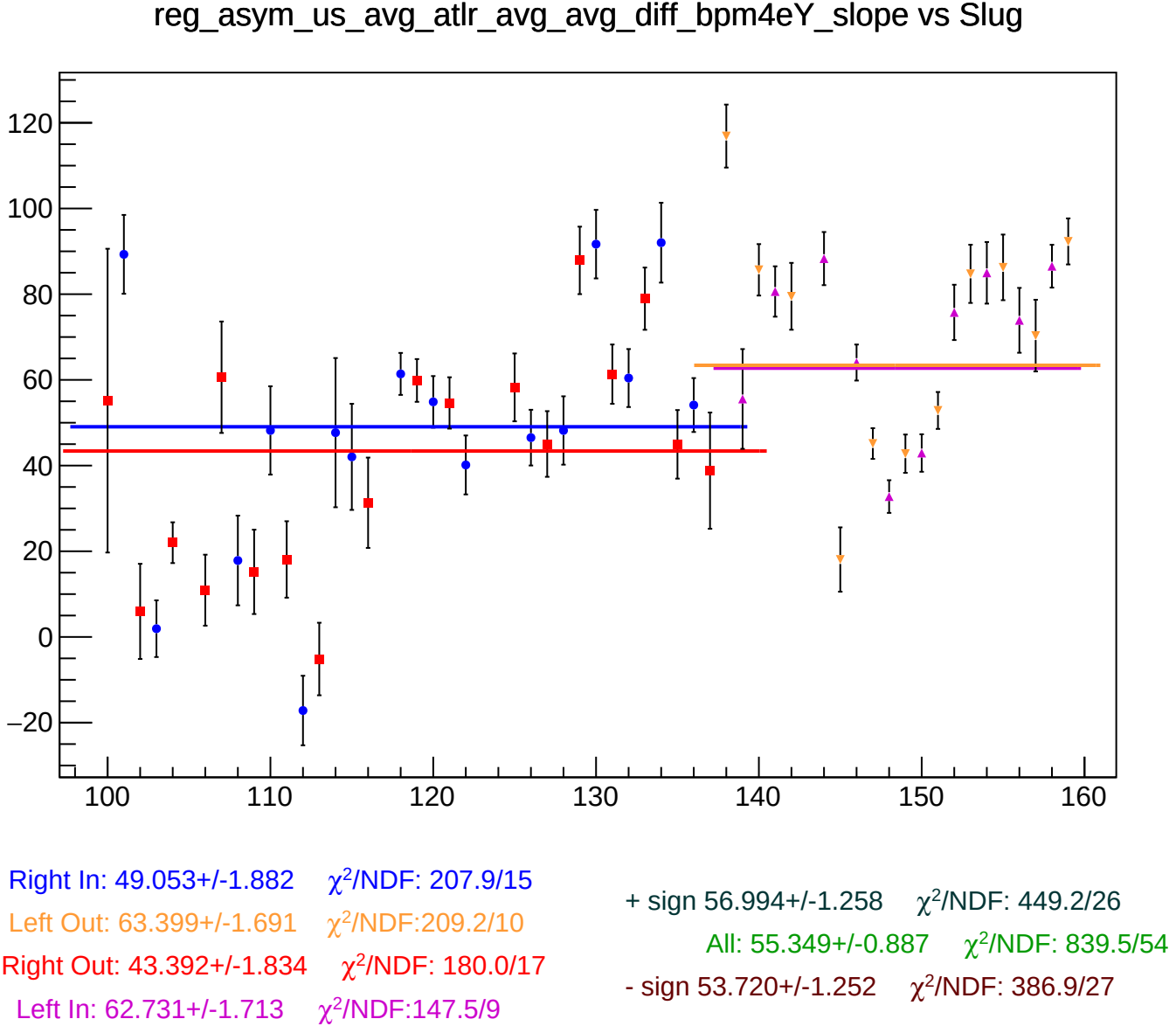
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

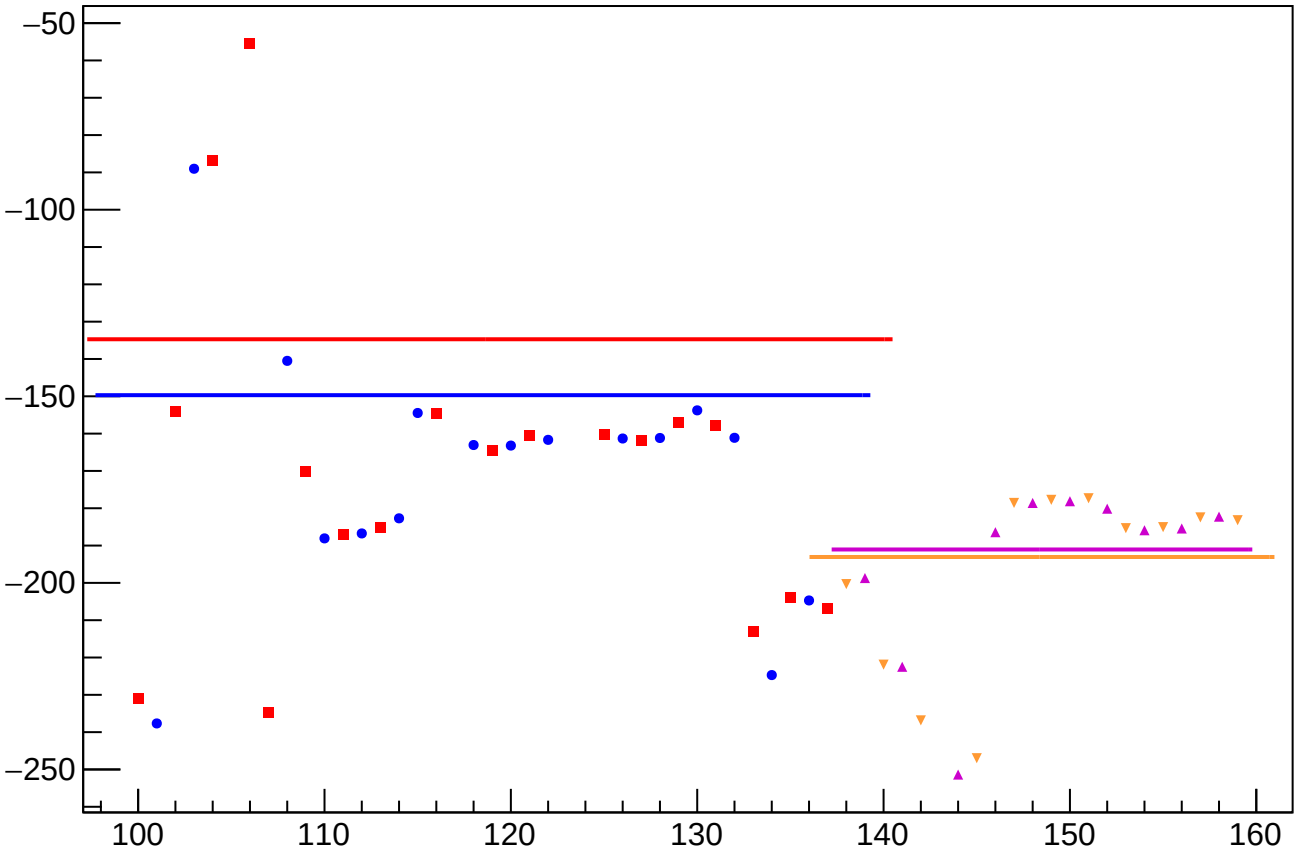
Left In: 368.833+/-2.102 χ^2/NDF:240.5/9

+ sign 346.736+/-1.343 χ^2/NDF: 6592.2/26

All: 343.379+/-0.941 χ^2/NDF: 14873.1/54

- sign 340.138+/-1.319 χ^2/NDF: 8268.6/27


reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug
120
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 49.053+/-1.882 χ²/NDF: 207.9/15
Left Out: 63.399+/-1.691 χ²/NDF:209.2/10
Right Out: 43.392+/-1.834 χ²/NDF: 180.0/17
Left In: 62.731+/-1.713 χ²/NDF:147.5/9
+ sign 56.994+/-1.258 χ²/NDF: 449.2/26
All: 55.349+/-0.887 χ²/NDF: 839.5/54
- sign 53.720+/-1.252 χ²/NDF: 386.9/27



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

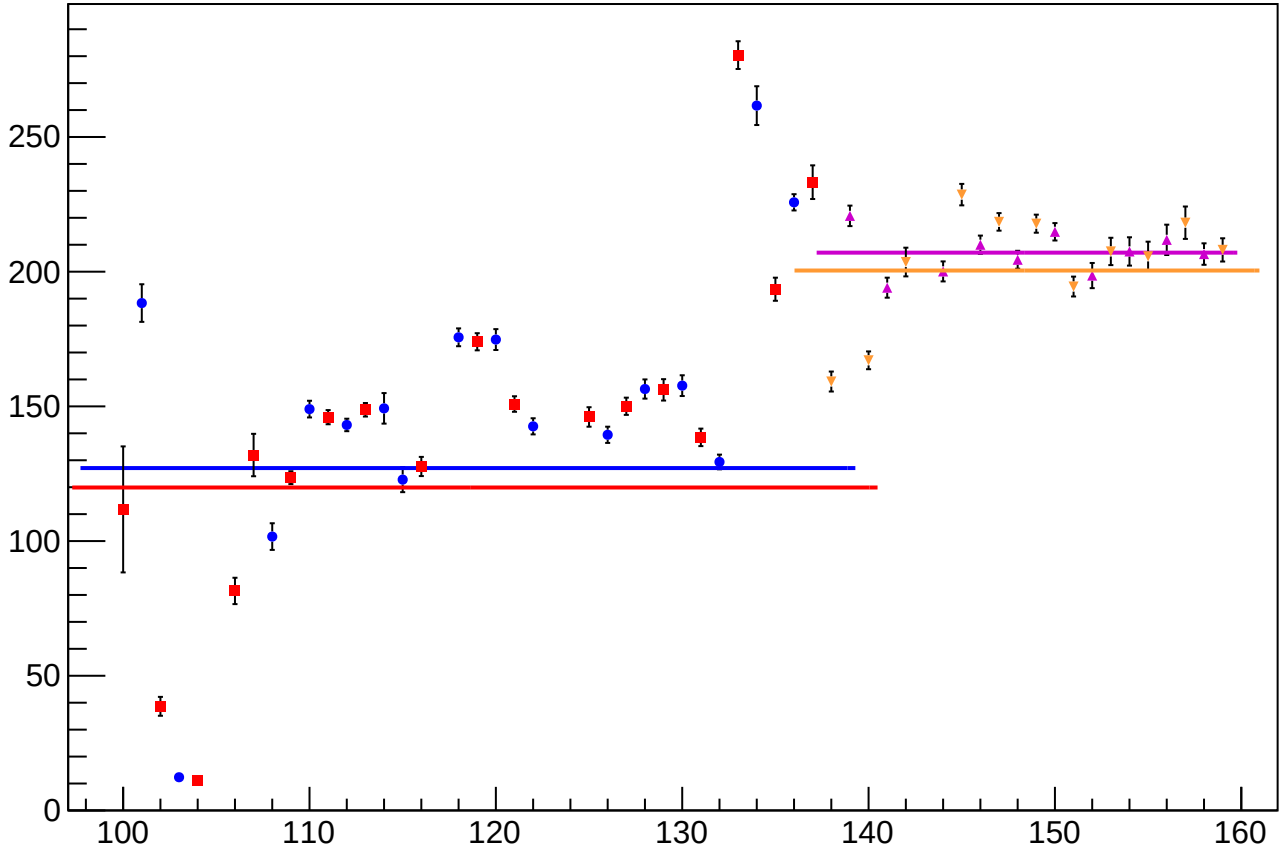
Left In: -191.049+/-0.081 χ^2/NDF:57224.9/9

+ sign -175.669+/-0.064 χ^2/NDF: 436270.9/26

All: -171.699+/-0.045 χ^2/NDF: 1012616.5/54

- sign -167.942+/-0.062 χ^2/NDF: 568820.9/27

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 200.432+/-1.218 χ^2/NDF:350.8/10

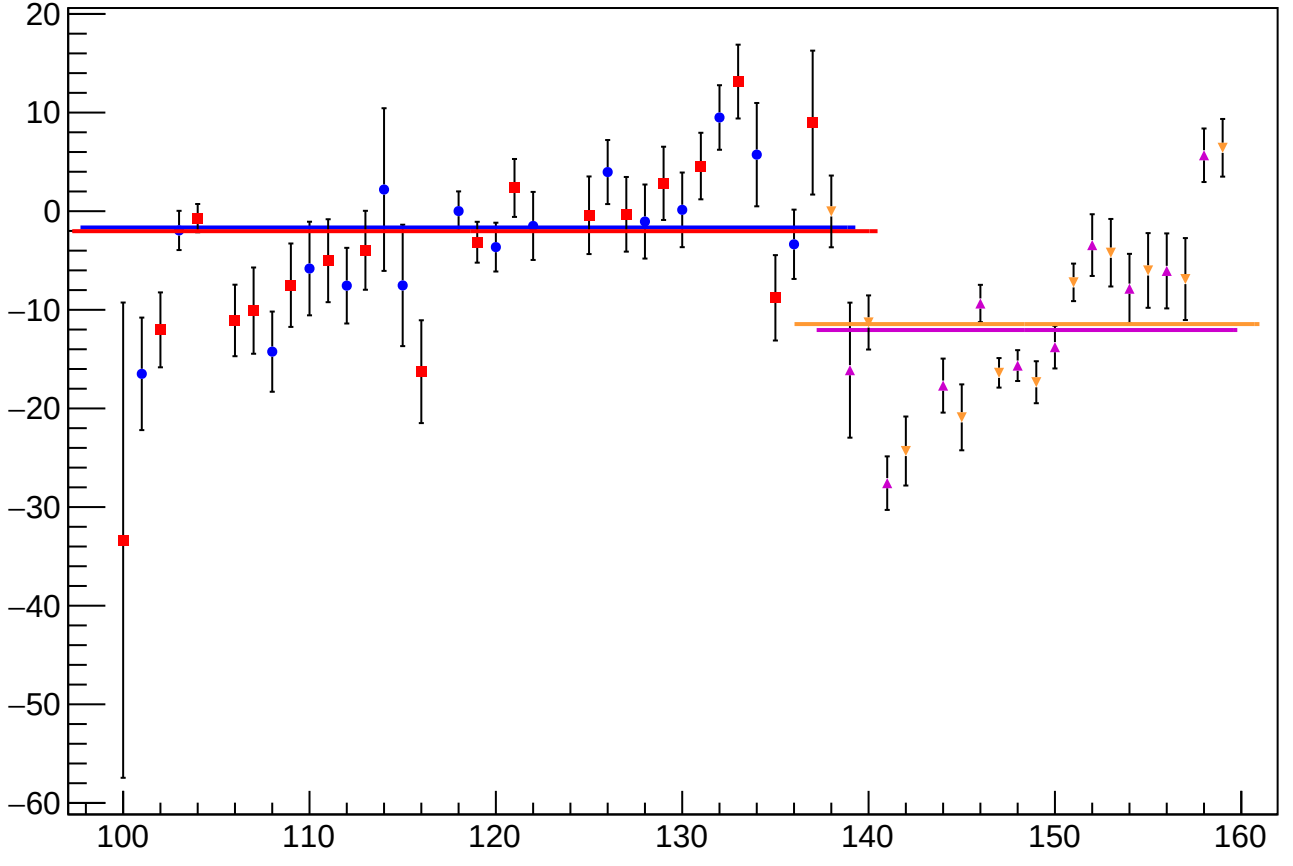
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.066+/-1.228 χ^2/NDF:39.8/9

\+ sign 149.606+/-0.675 χ^2/NDF: 9024.4/26

All: 147.076+/-0.470 χ^2/NDF: 19349.4/54

\- sign 144.695+/-0.655 χ^2/NDF: 10297.7/27



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -11.446+/-0.778 χ^2/NDF:100.0/10

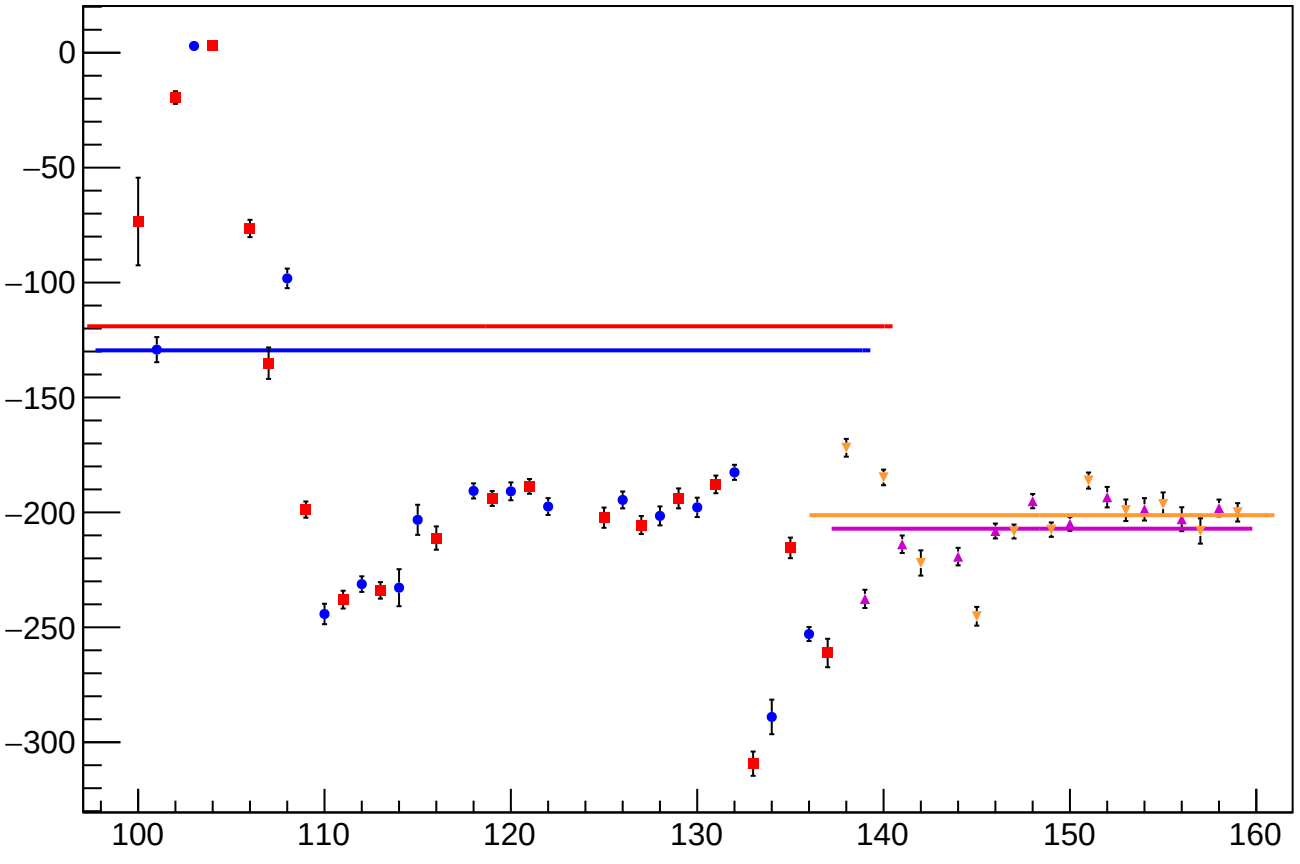
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -12.049+/-0.796 χ^2/NDF:99.4/9

+ sign -6.882+/-0.568 χ^2/NDF: 213.0/26

All: -6.878+/-0.397 χ^2/NDF: 452.8/54

- sign -6.875+/-0.553 χ^2/NDF: 239.8/27



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.215+/-1.179 χ^2/NDF:242.6/10

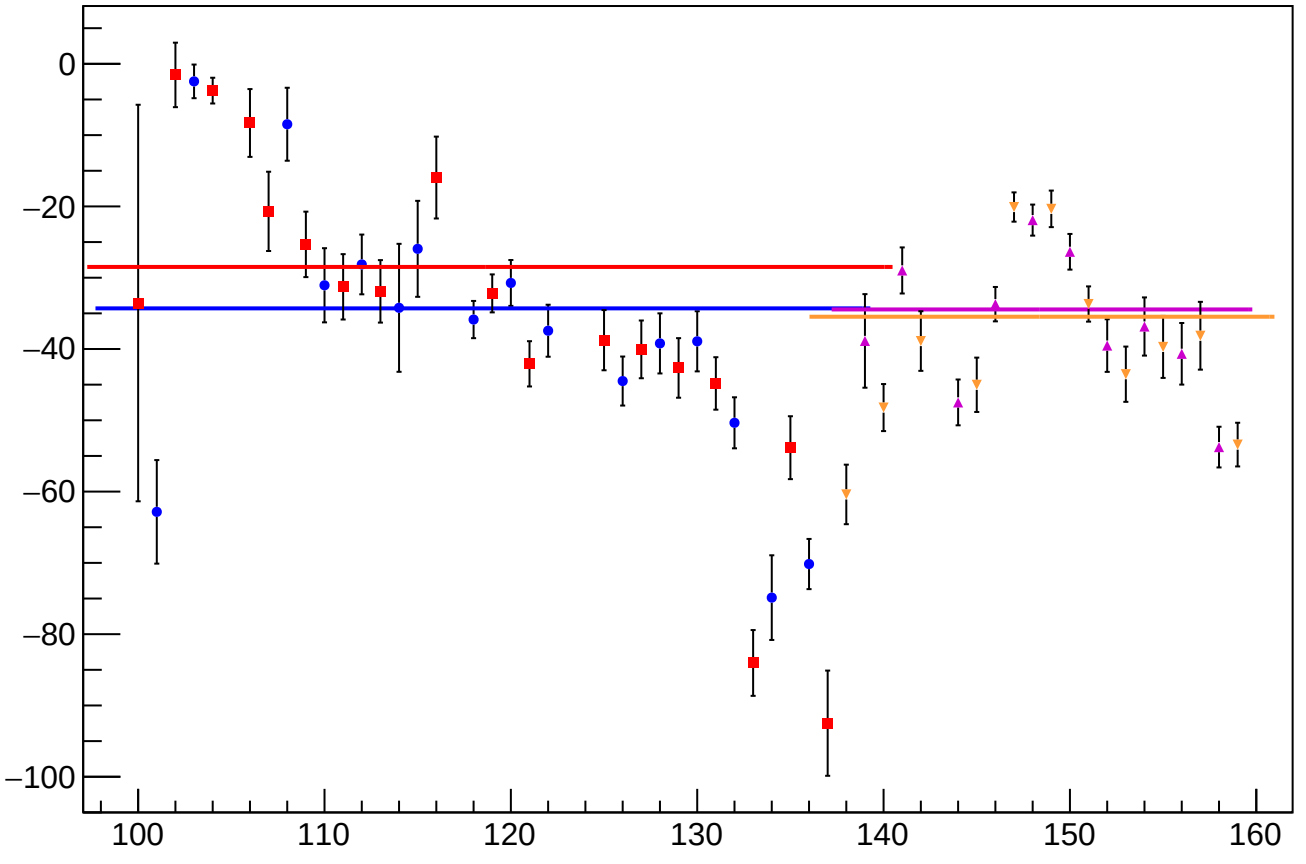
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -207.087+/-1.185 χ^2/NDF:107.1/9

+ sign -153.875+/-0.688 χ^2/NDF: 17371.0/26

All: -150.454+/-0.480 χ^2/NDF: 37460.4/54

- sign -147.204+/-0.670 χ^2/NDF: 20041.1/27



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -35.472+/-0.954 χ^2/NDF:188.8/10

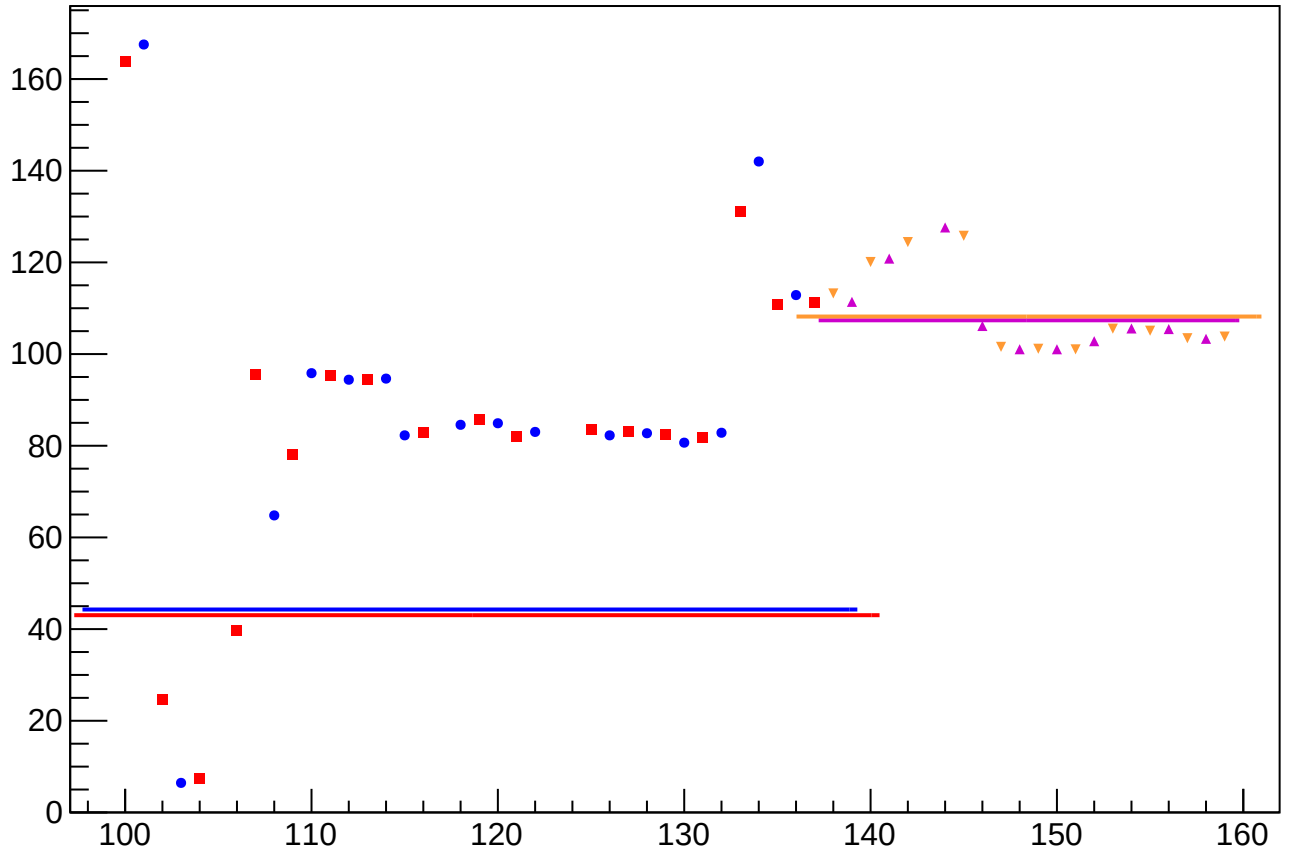
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -34.450+/-0.968 χ^2/NDF:113.5/9

+ sign -34.895+/-0.679 χ^2/NDF: 600.9/26

All: -33.038+/-0.474 χ^2/NDF: 1317.2/54

- sign -31.276+/-0.662 χ^2/NDF: 701.7/27



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 108.188+/-0.046 χ^2/NDF:34488.8/10

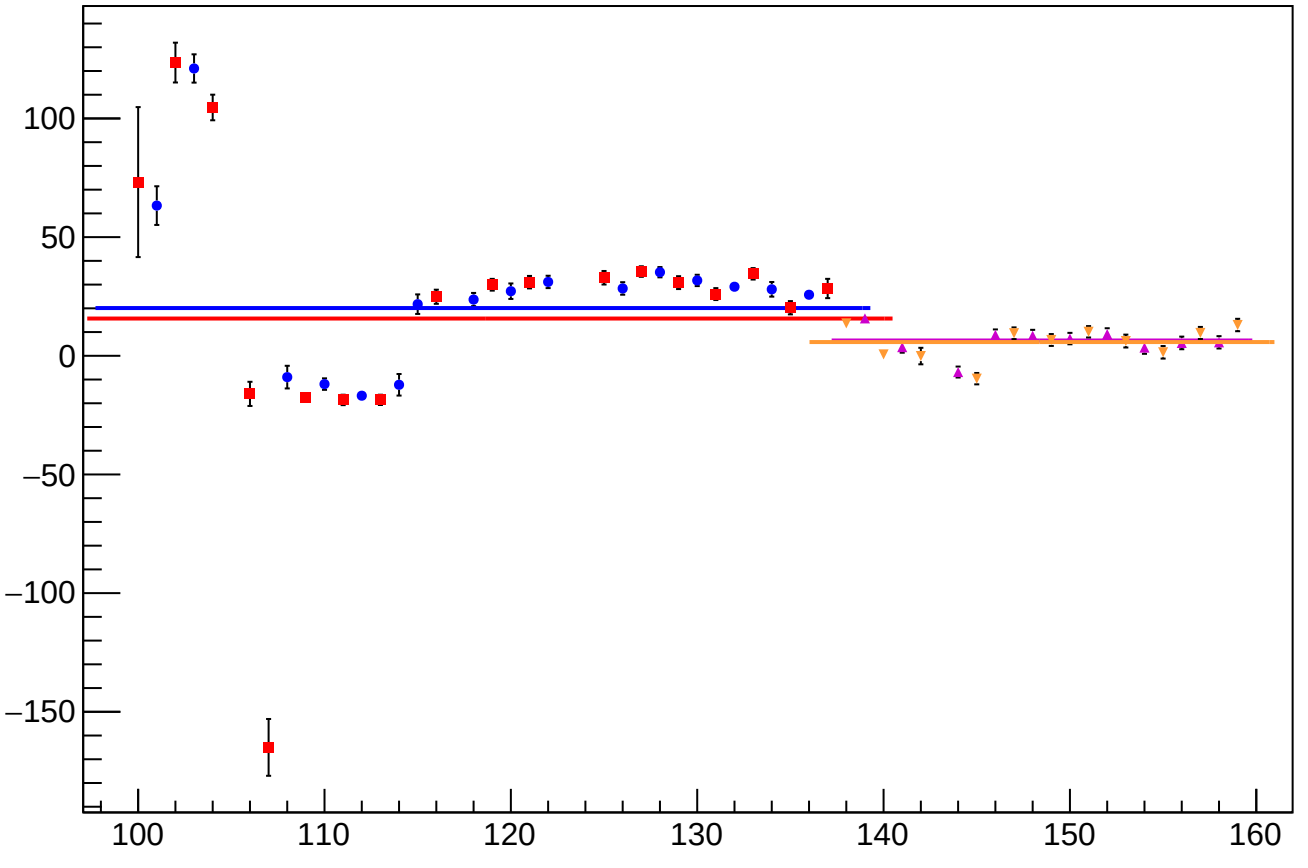
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 107.368+/-0.046 χ^2/NDF:29516.6/9

+ sign 75.158+/-0.032 χ^2/NDF: 2096889.3/26

All: 74.945+/-0.023 χ^2/NDF: 3937089.6/54

- sign 74.735+/-0.032 χ^2/NDF: 1840113.7/27



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.790+/-0.746 χ^2/NDF:82.9/10

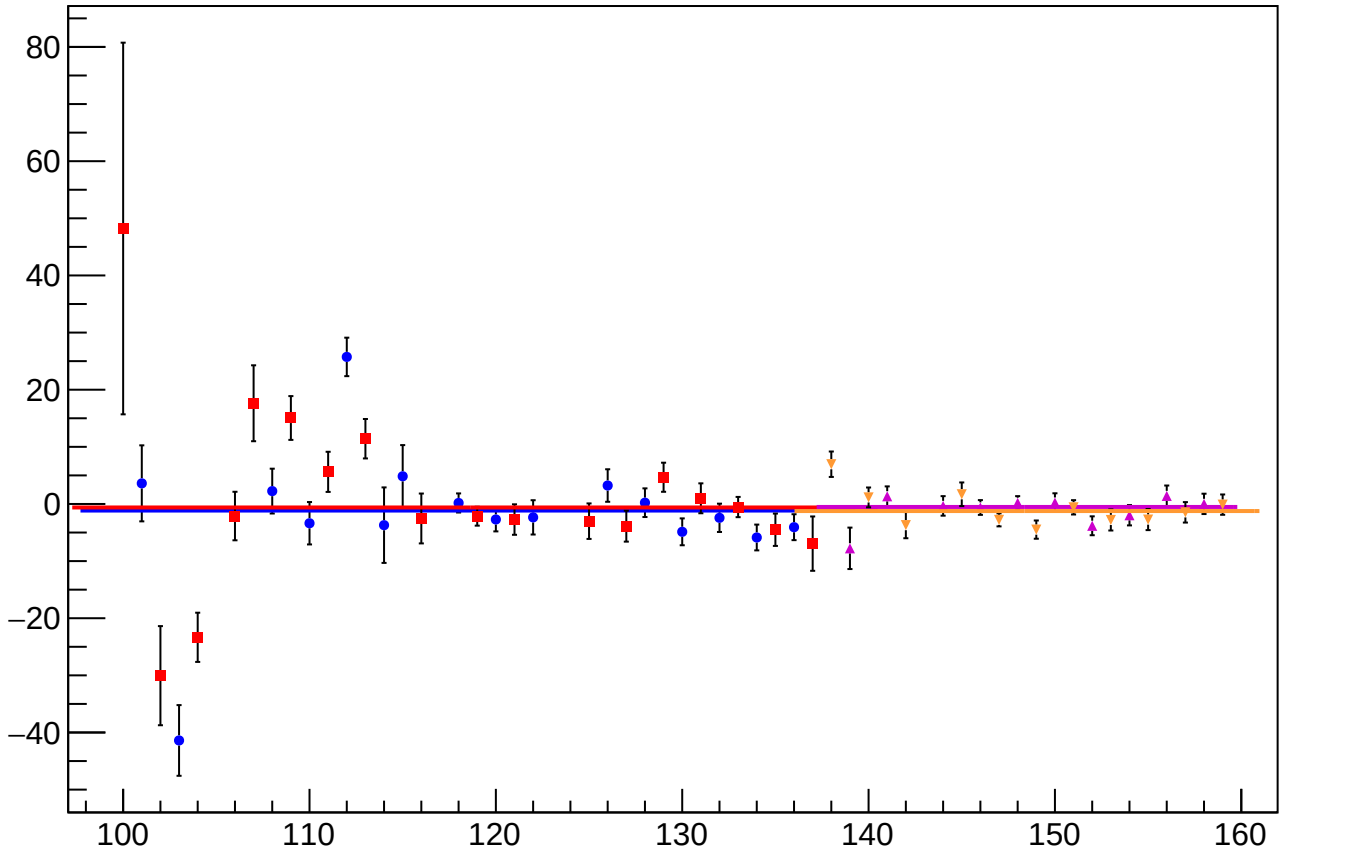
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.448+/-0.757 χ^2/NDF:60.8/9

\+ sign 13.544+/-0.505 χ^2/NDF: 1330.5/26

All: 12.551+/-0.358 χ^2/NDF: 3255.3/54

\- sign 11.553+/-0.507 χ^2/NDF: 1917.1/27



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.239+/-0.502 χ^2/NDF:26.7/10

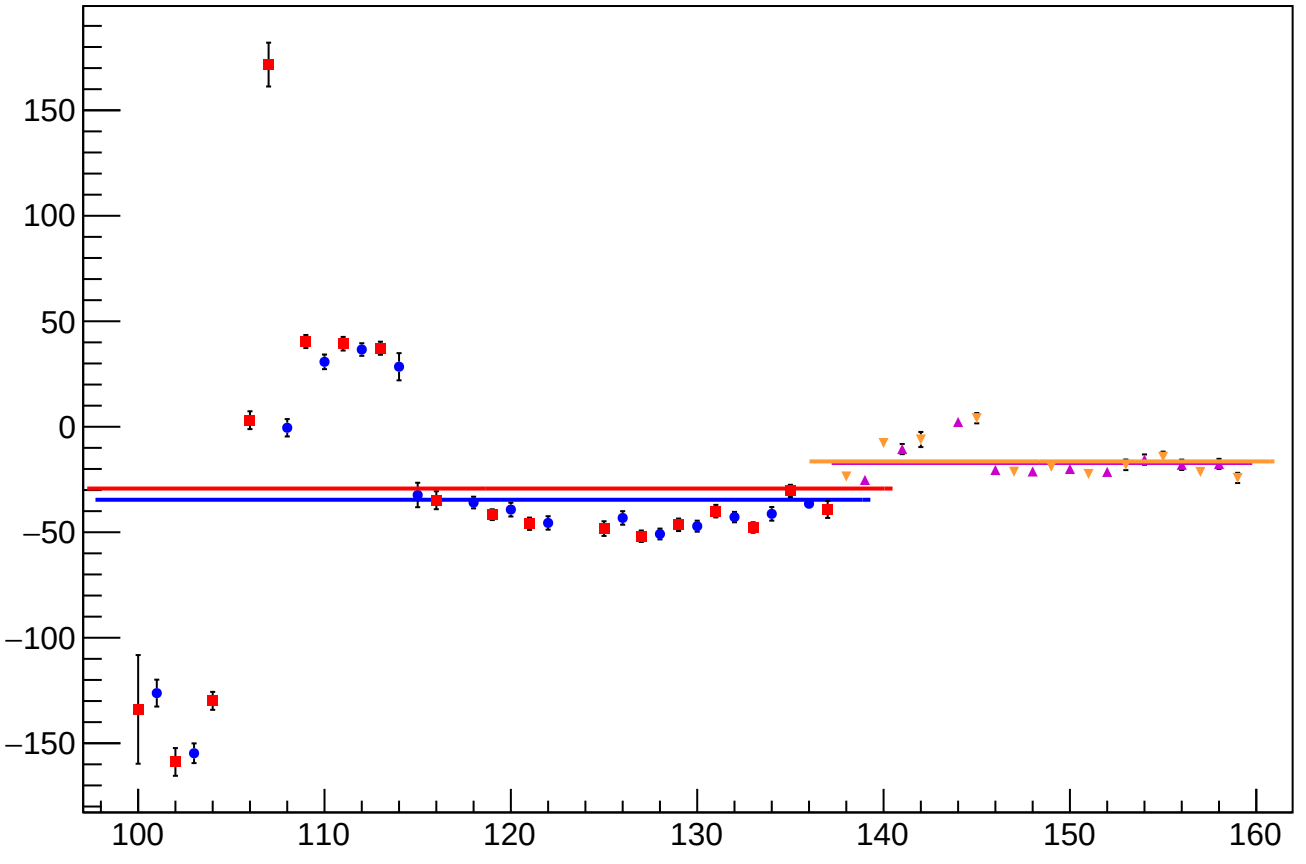
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.523+/-0.515 χ^2/NDF:11.6/9

+ sign -1.209+/-0.408 χ^2/NDF: 148.5/26

All: -0.890+/-0.292 χ^2/NDF: 254.8/54

- sign -0.554+/-0.418 χ^2/NDF: 105.0/27



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -16.426+/-0.722 χ^2/NDF:134.9/10

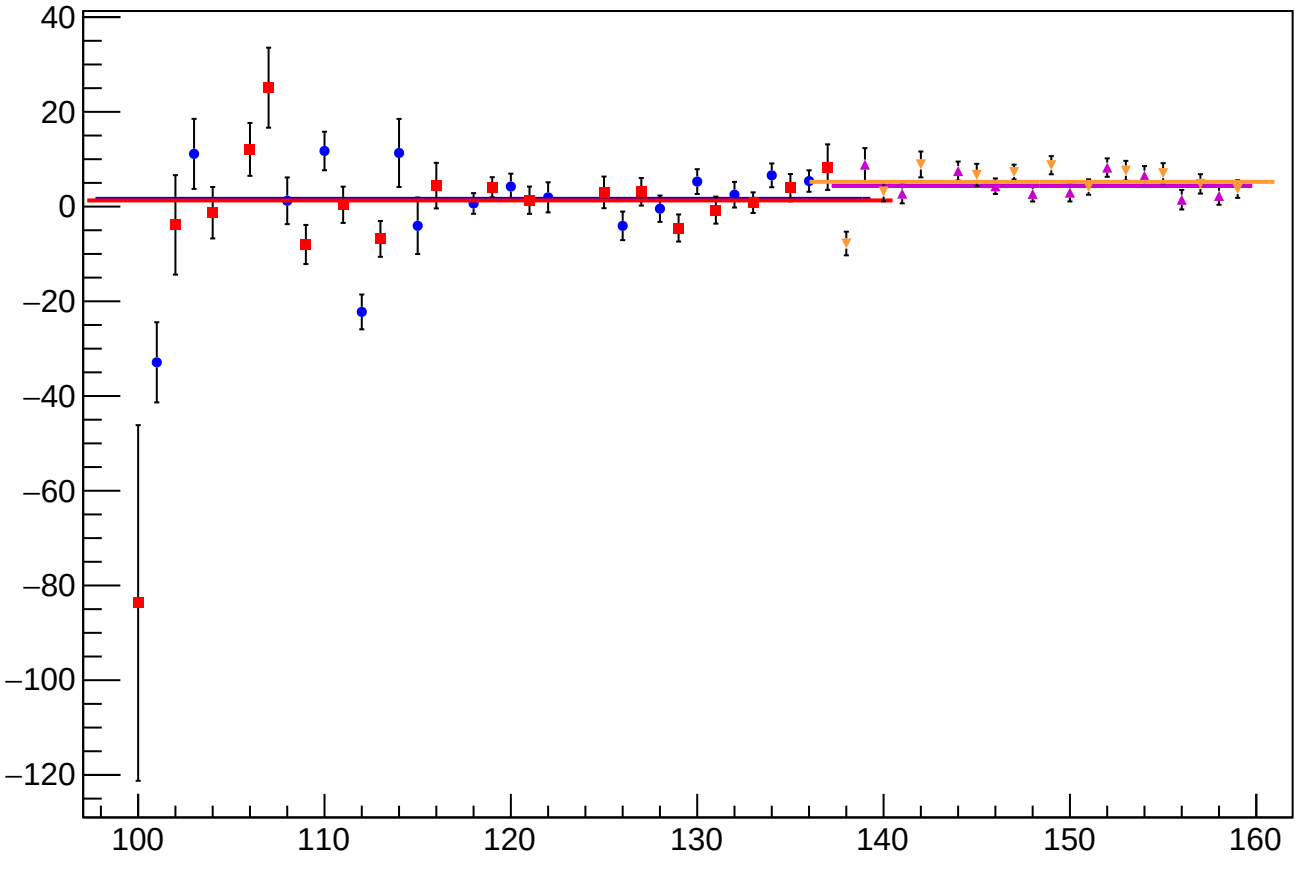
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.163+/-0.733 χ^2/NDF:100.0/9

\+ sign -24.746+/-0.532 χ^2/NDF: 2483.0/26

All: -23.735+/-0.379 χ^2/NDF: 5796.1/54

\- sign -22.691+/-0.540 χ^2/NDF: 3305.8/27



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.221+/-0.603 χ^2/NDF:38.7/10

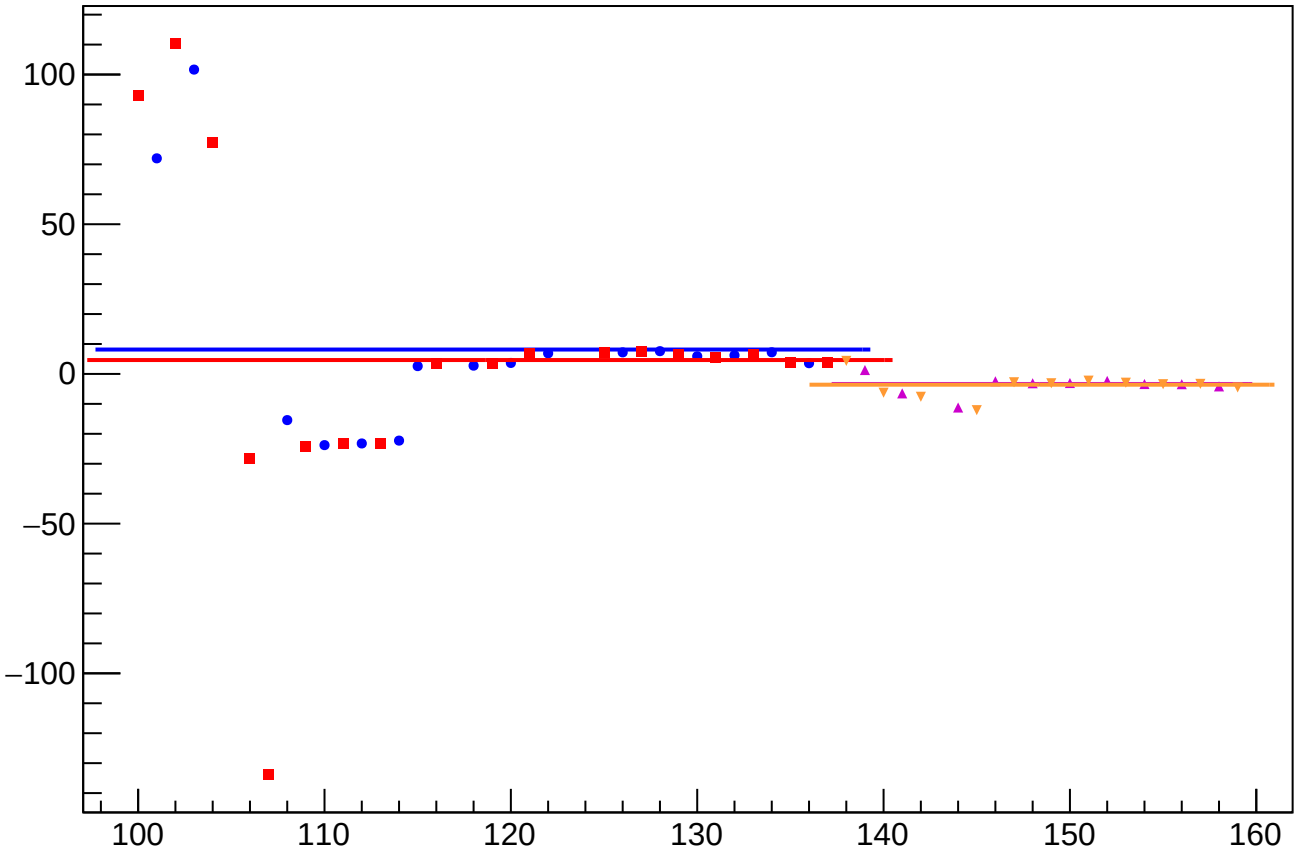
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.345+/-0.617 χ^2/NDF:14.7/9

\+ sign 3.913+/-0.481 χ^2/NDF: 134.9/26

All: 3.584+/-0.344 χ^2/NDF: 197.0/54

\- sign 3.239+/-0.492 χ^2/NDF: 61.1/27



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.597+/-0.027 χ^2/NDF:18501.9/10

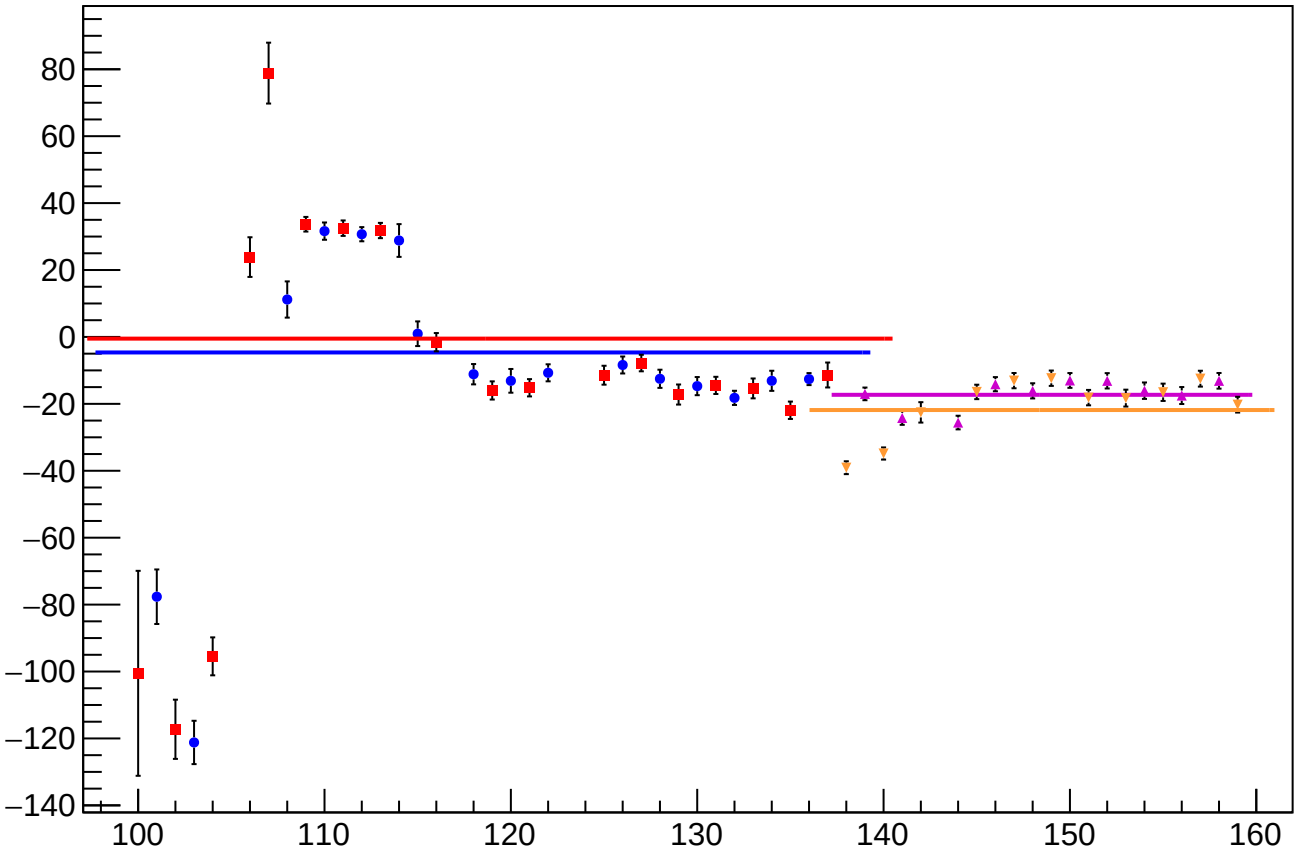
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.358+/-0.028 χ^2/NDF:10755.3/9

\+ sign -0.738+/-0.024 χ^2/NDF: 376436.5/26

All: -1.154+/-0.017 χ^2/NDF: 853248.9/54

\- sign -1.587+/-0.024 χ^2/NDF: 476192.3/27



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -21.849+/-0.685 χ^2/NDF:194.7/10

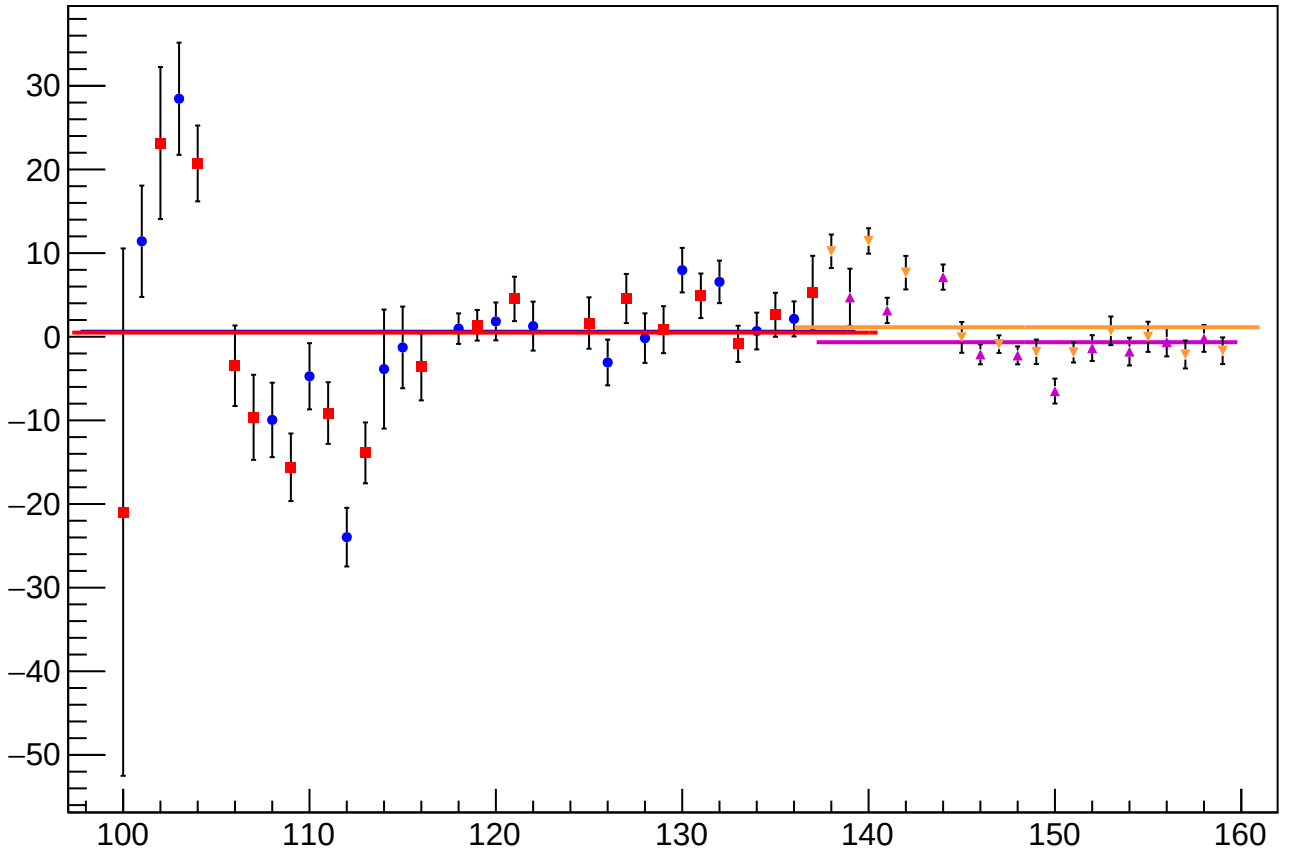
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.298+/-0.695 χ^2/NDF:40.8/9

+ sign -13.574+/-0.493 χ^2/NDF: 1544.6/26

All: -11.347+/-0.350 χ^2/NDF: 3369.5/54

- sign -9.088+/-0.497 χ^2/NDF: 1783.9/27



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.135+/-0.462 χ^2/NDF:98.9/10

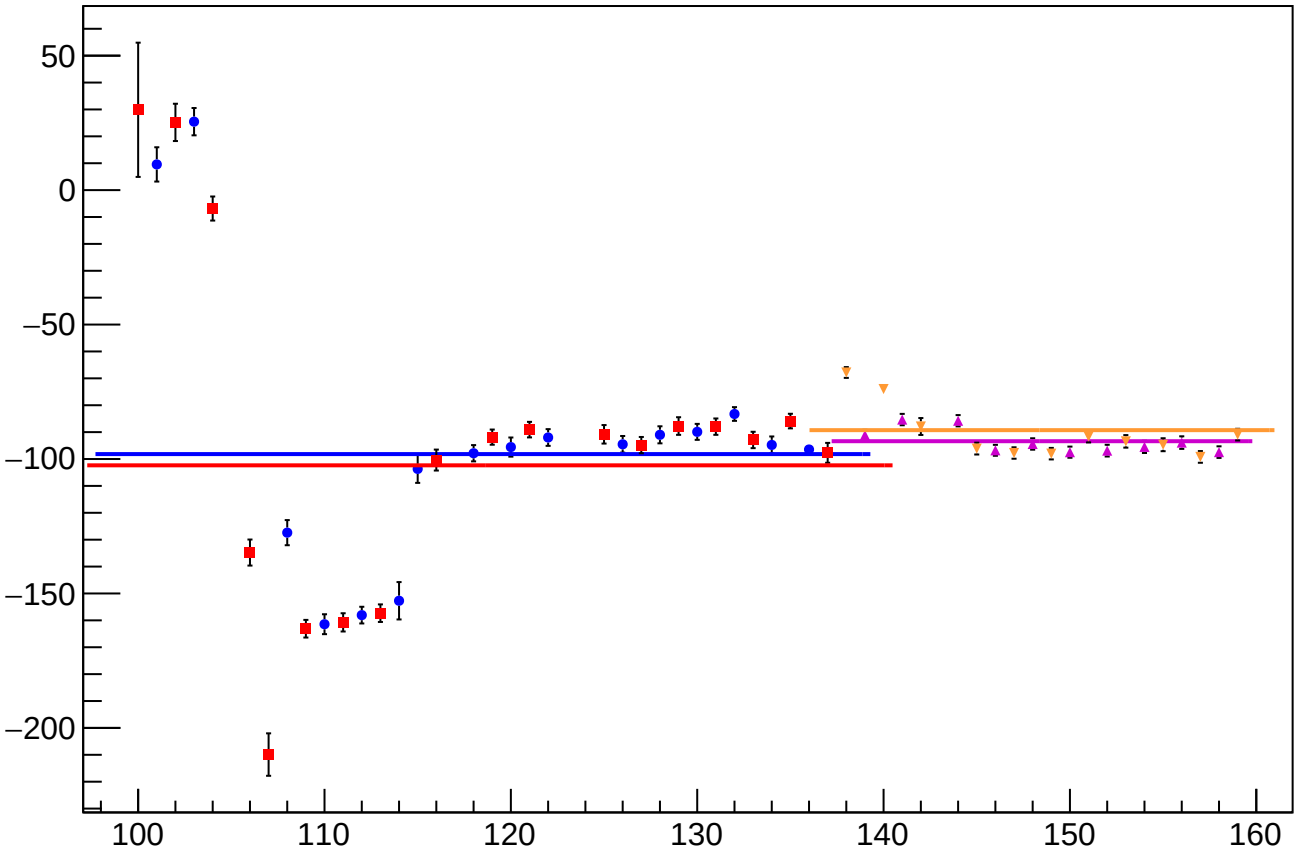
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.653+/-0.472 χ^2/NDF:55.2/9

+ sign 0.982+/-0.390 χ^2/NDF: 192.2/26

All: 0.342+/-0.279 χ^2/NDF: 334.7/54

- sign -0.330+/-0.400 χ^2/NDF: 137.0/27



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -89.267+/-0.664 χ^2/NDF:254.4/10

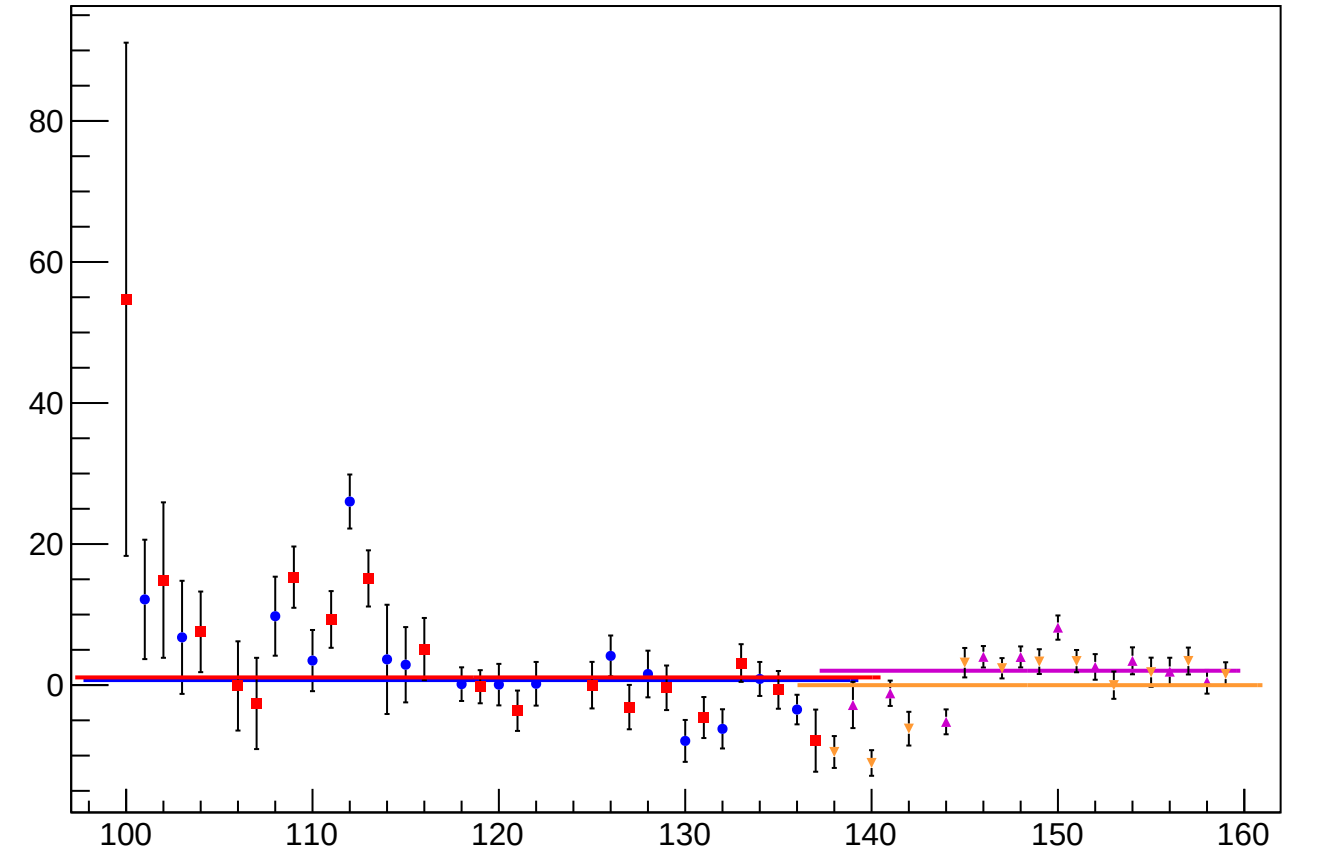
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -93.377+/-0.674 χ^2/NDF:42.8/9

+ sign -92.833+/-0.514 χ^2/NDF: 2026.2/26

All: -94.827+/-0.367 χ^2/NDF: 4287.0/54

- sign -96.904+/-0.525 χ^2/NDF: 2230.1/27



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

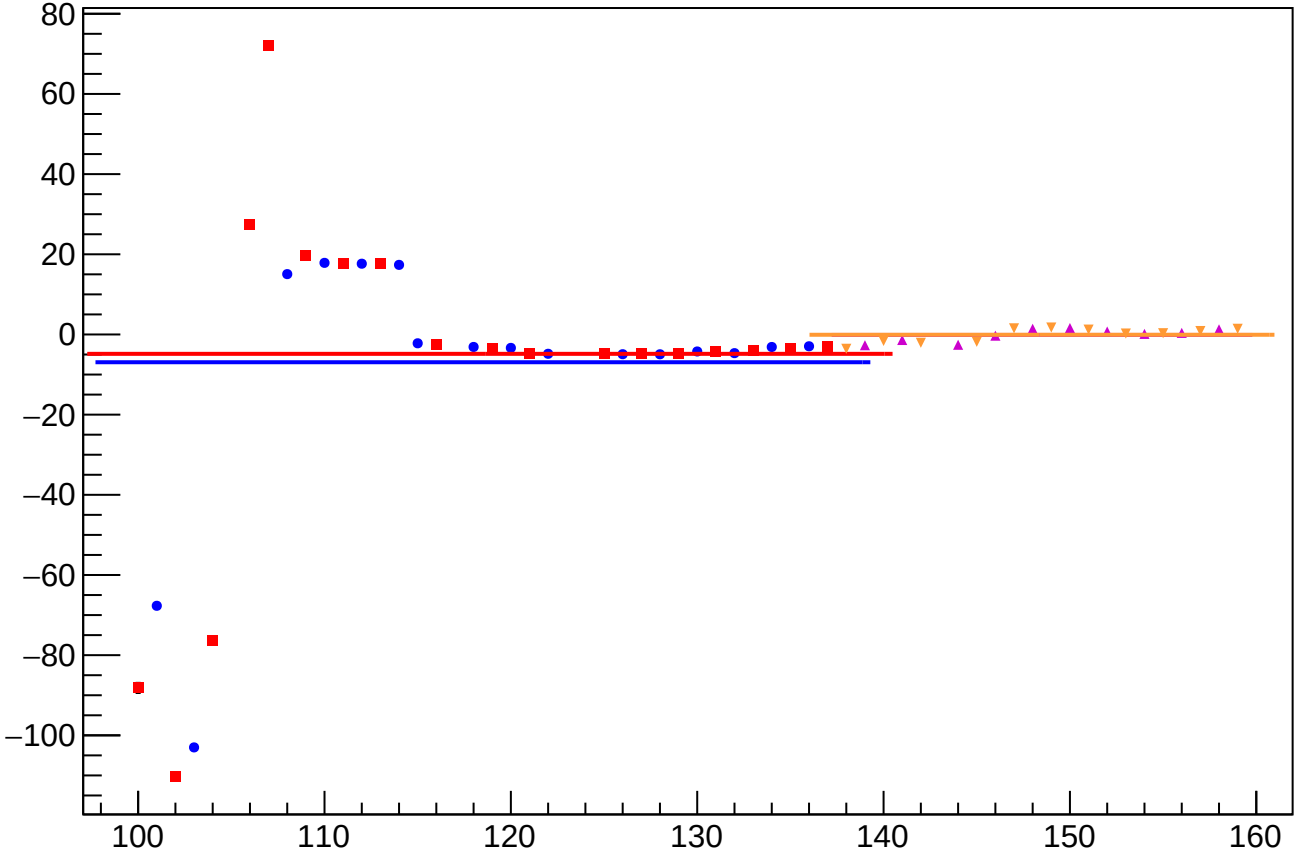
Left In: 2.034+/-0.565 χ^2/NDF:39.8/9

+ sign 0.215+/-0.460 χ^2/NDF: 149.5/26

All: 0.962+/-0.329 χ^2/NDF: 243.2/54

- sign 1.747+/-0.472 χ^2/NDF: 88.3/27

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.075+/-0.025 χ^2/NDF:4471.3/10

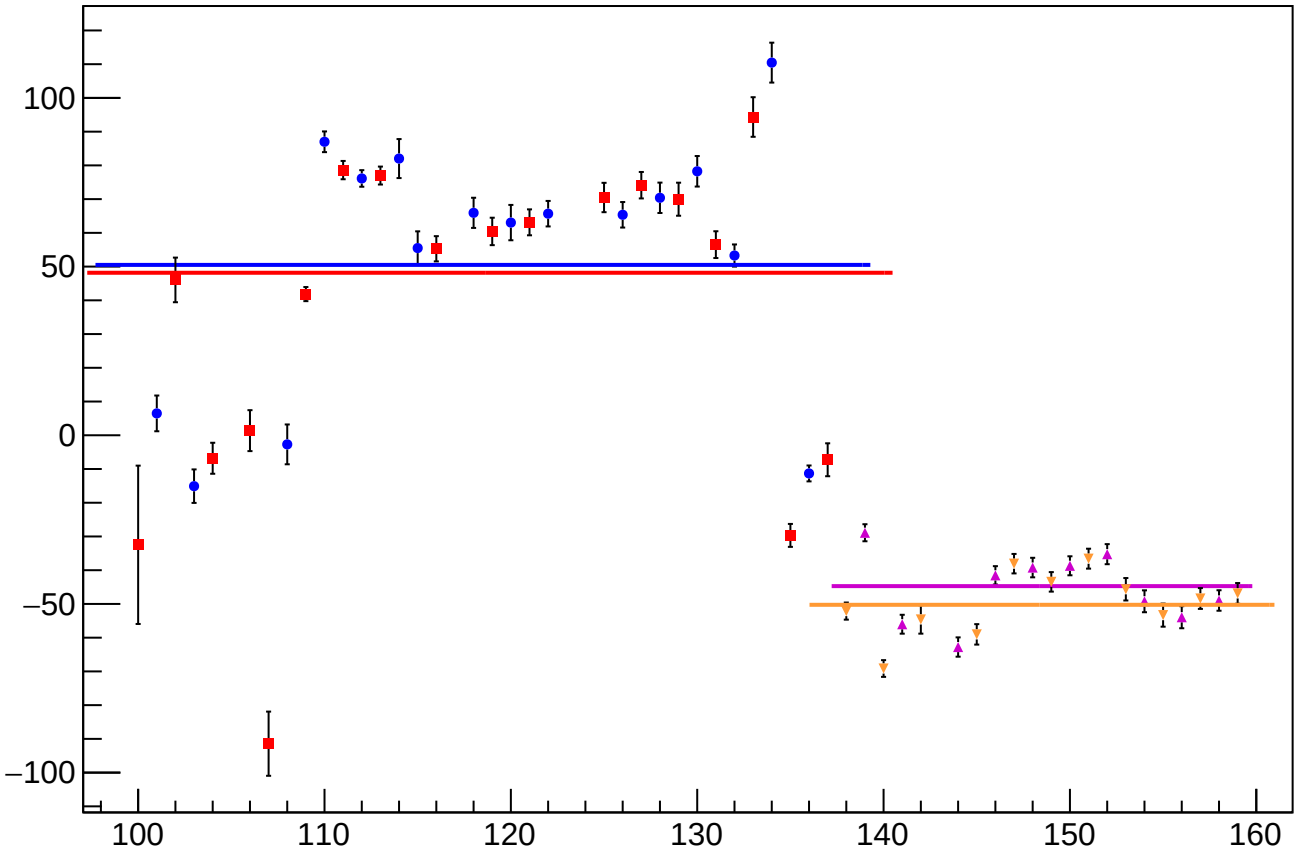
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.123+/-0.025 χ^2/NDF:3499.1/9

+ sign -1.544+/-0.022 χ^2/NDF: 285321.2/26

All: -1.282+/-0.016 χ^2/NDF: 634916.1/54

- sign -1.010+/-0.023 χ^2/NDF: 349318.8/27



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.256+/-0.904 χ^2/NDF:117.0/10

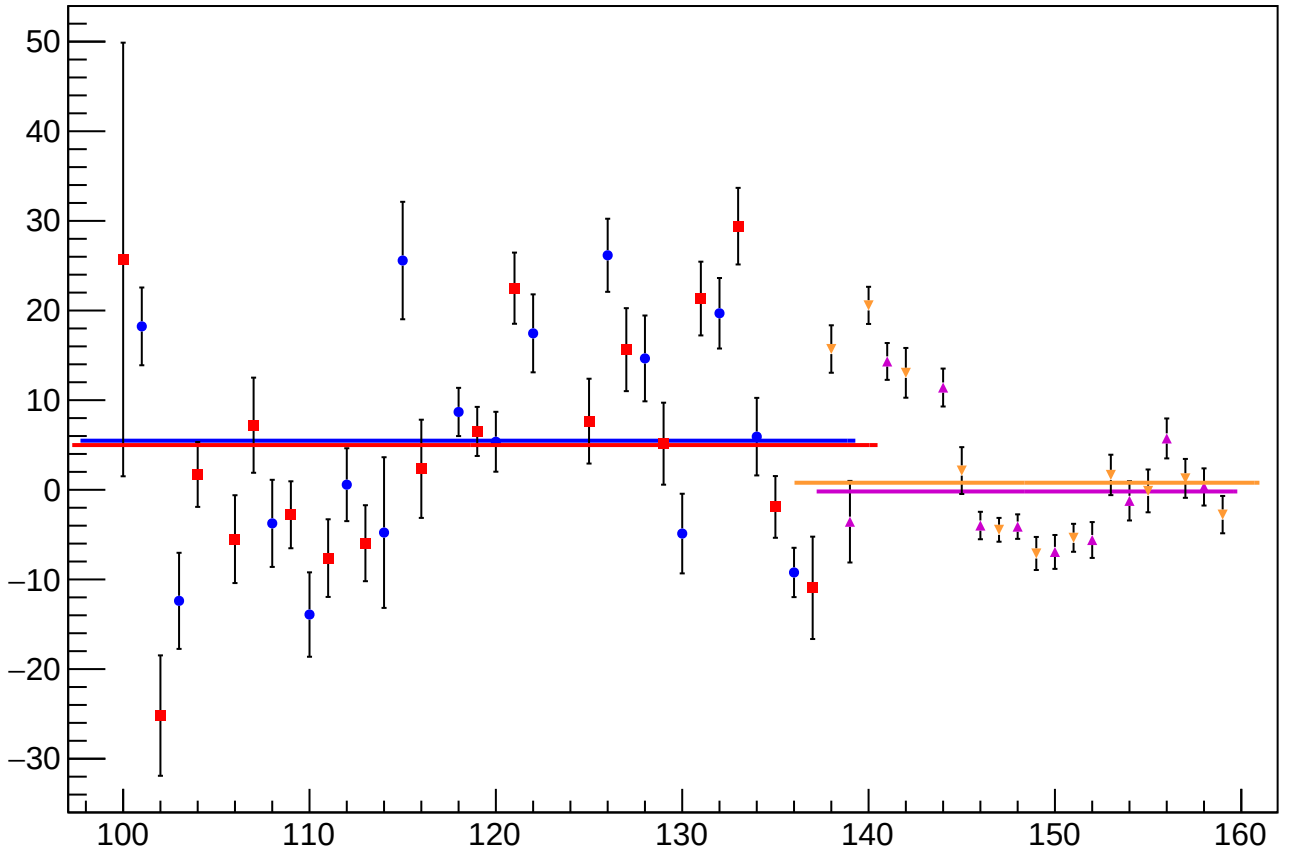
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.718+/-0.914 χ^2/NDF:126.9/9

\+ sign -3.189+/-0.660 χ^2/NDF: 7426.1/26

All: -0.692+/-0.462 χ^2/NDF: 14264.2/54

\- sign 1.704+/-0.646 χ^2/NDF: 6810.1/27



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 0.790+/-0.604 χ^2/NDF:195.4/10

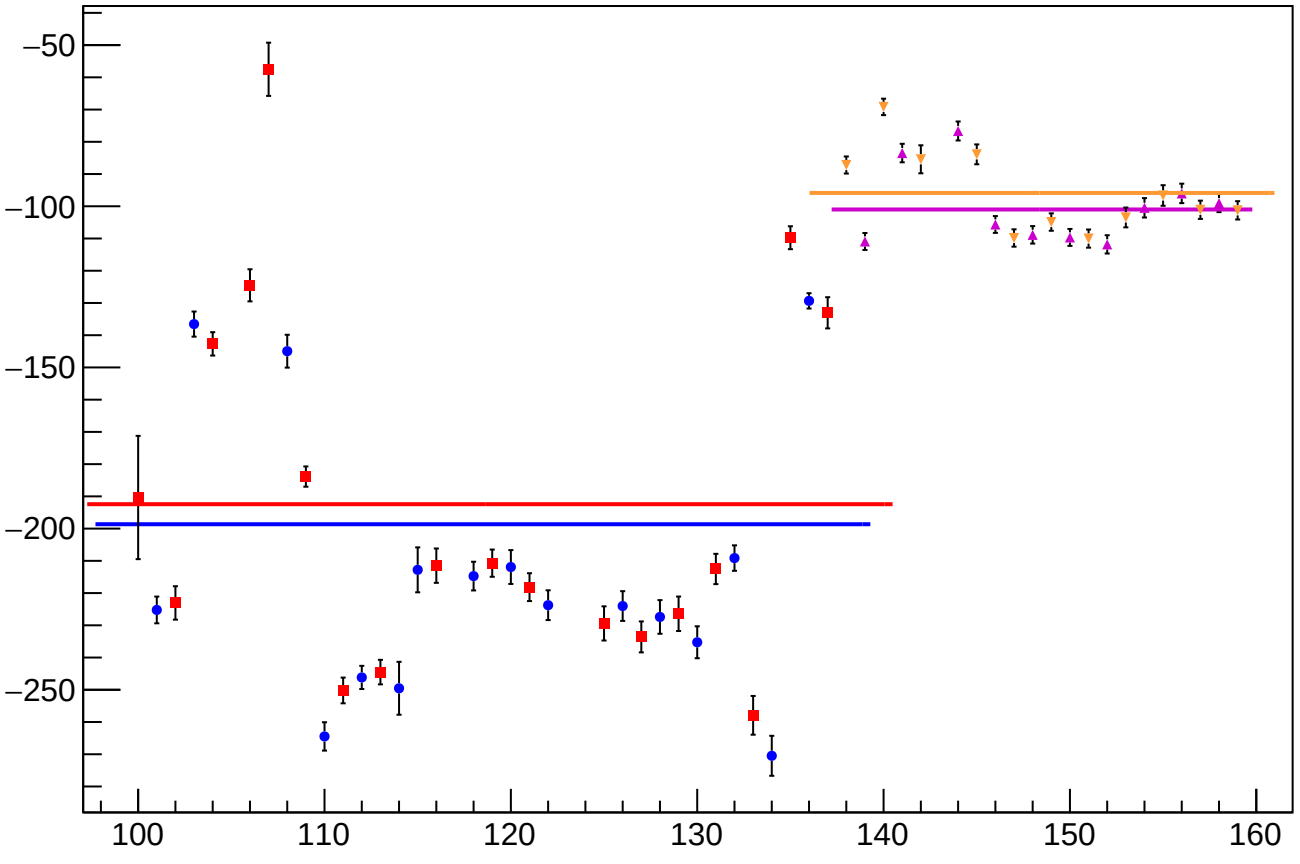
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.186+/-0.615 χ^2/NDF:122.2/9

+ sign 2.007+/-0.520 χ^2/NDF: 349.2/26

All: 1.604+/-0.370 χ^2/NDF: 623.2/54

- sign 1.190+/-0.527 χ^2/NDF: 272.8/27



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.865+/-0.875 χ^2/NDF:217.5/10

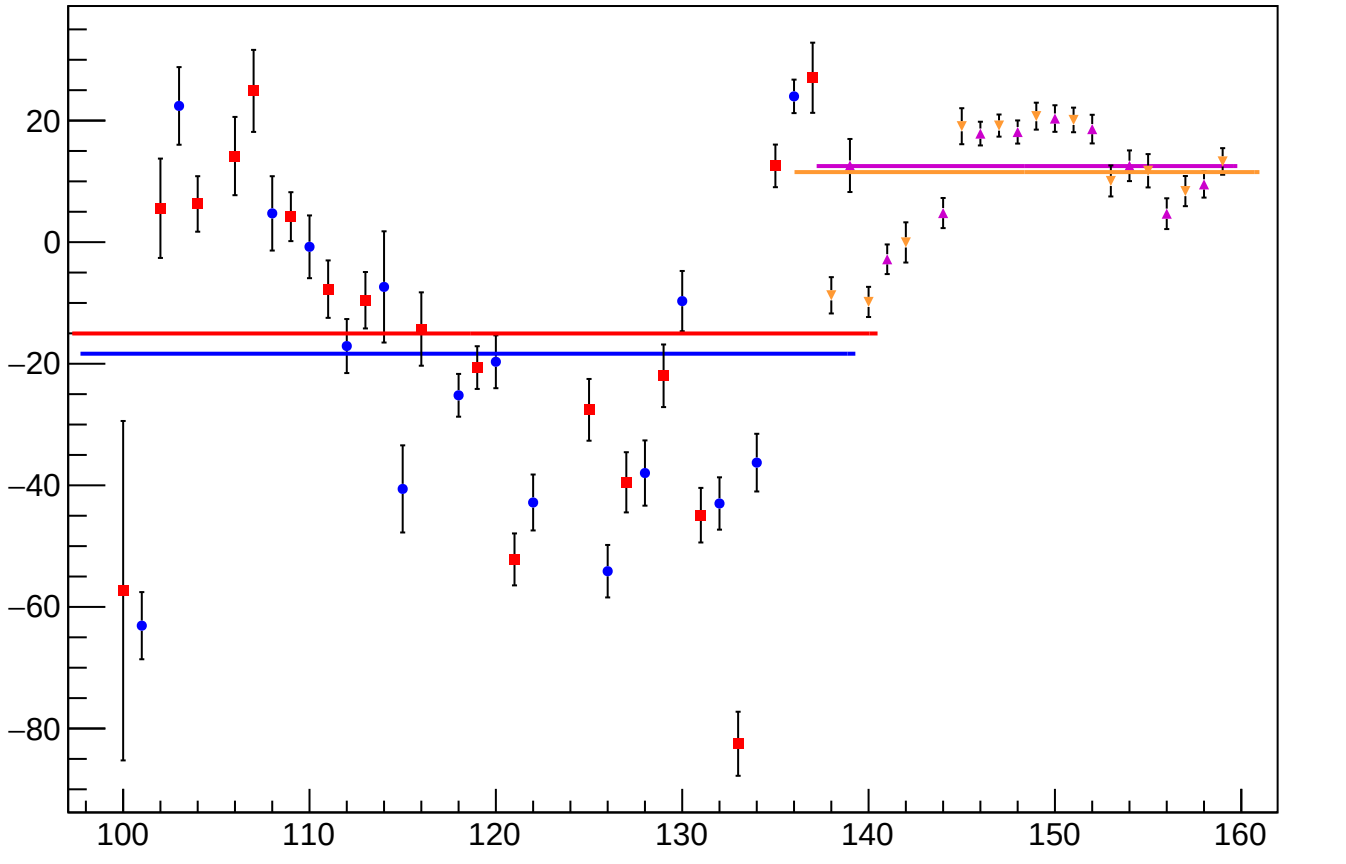
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -100.995+/-0.884 χ^2/NDF:160.0/9

+ sign -136.415+/-0.681 χ^2/NDF: 7668.5/26

All: -137.036+/-0.482 χ^2/NDF: 14264.0/54

- sign -137.663+/-0.684 χ^2/NDF: 6593.9/27



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.526+/-0.728 χ^2/NDF:194.3/10

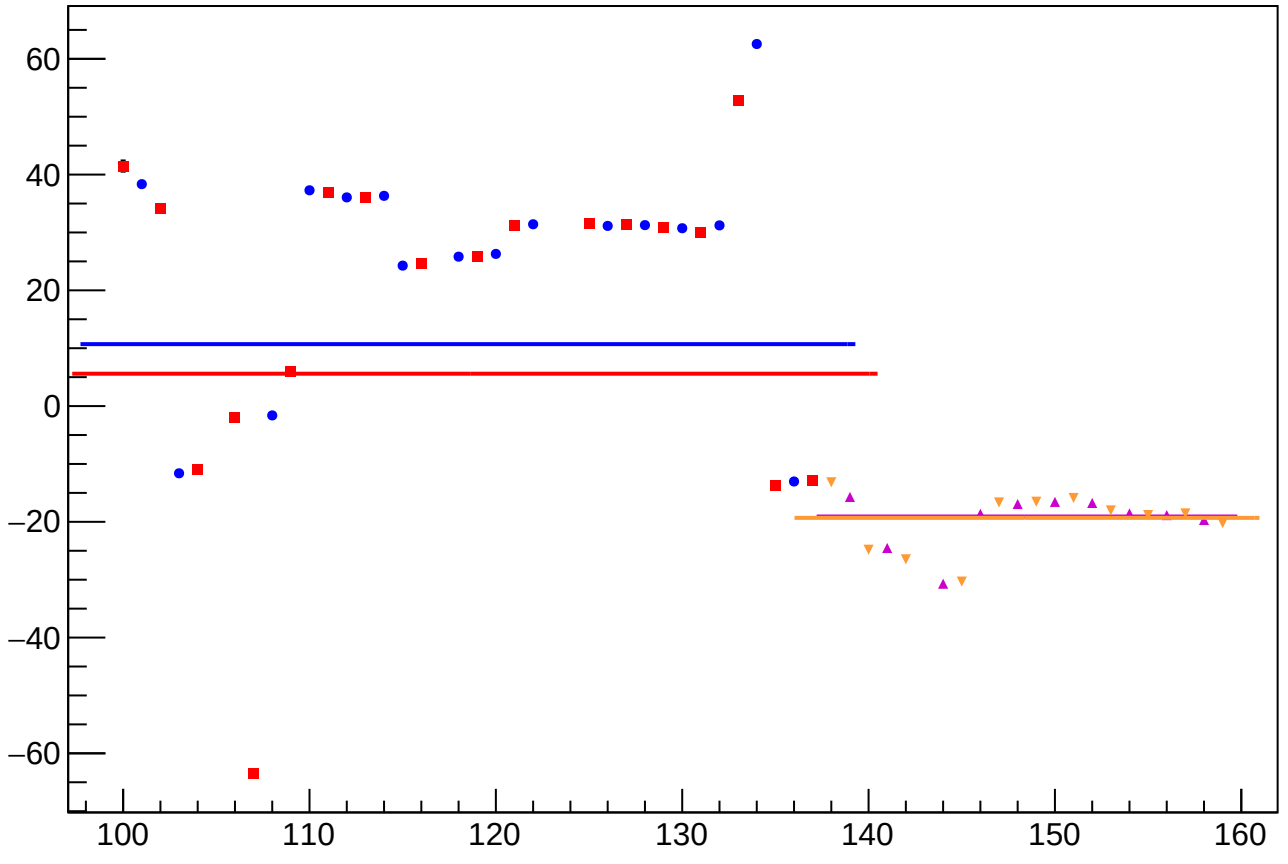
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 12.516+/-0.738 χ^2/NDF:96.4/9

+ sign 3.083+/-0.616 χ^2/NDF: 1214.5/26

All: 3.832+/-0.438 χ^2/NDF: 2260.6/54

- sign 4.599+/-0.623 χ^2/NDF: 1043.1/27



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.312+/-0.033 χ^2/NDF:18077.0/10

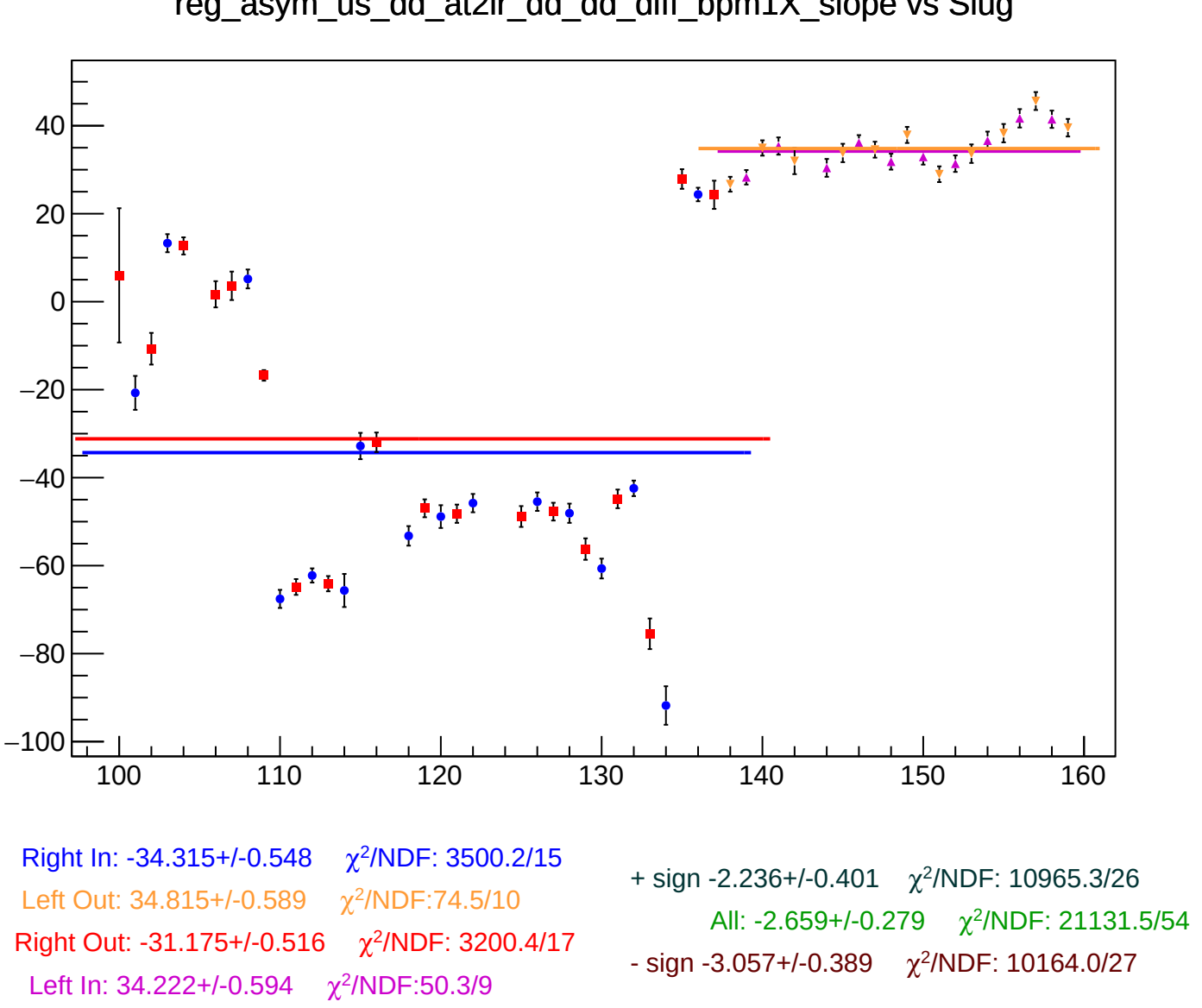
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

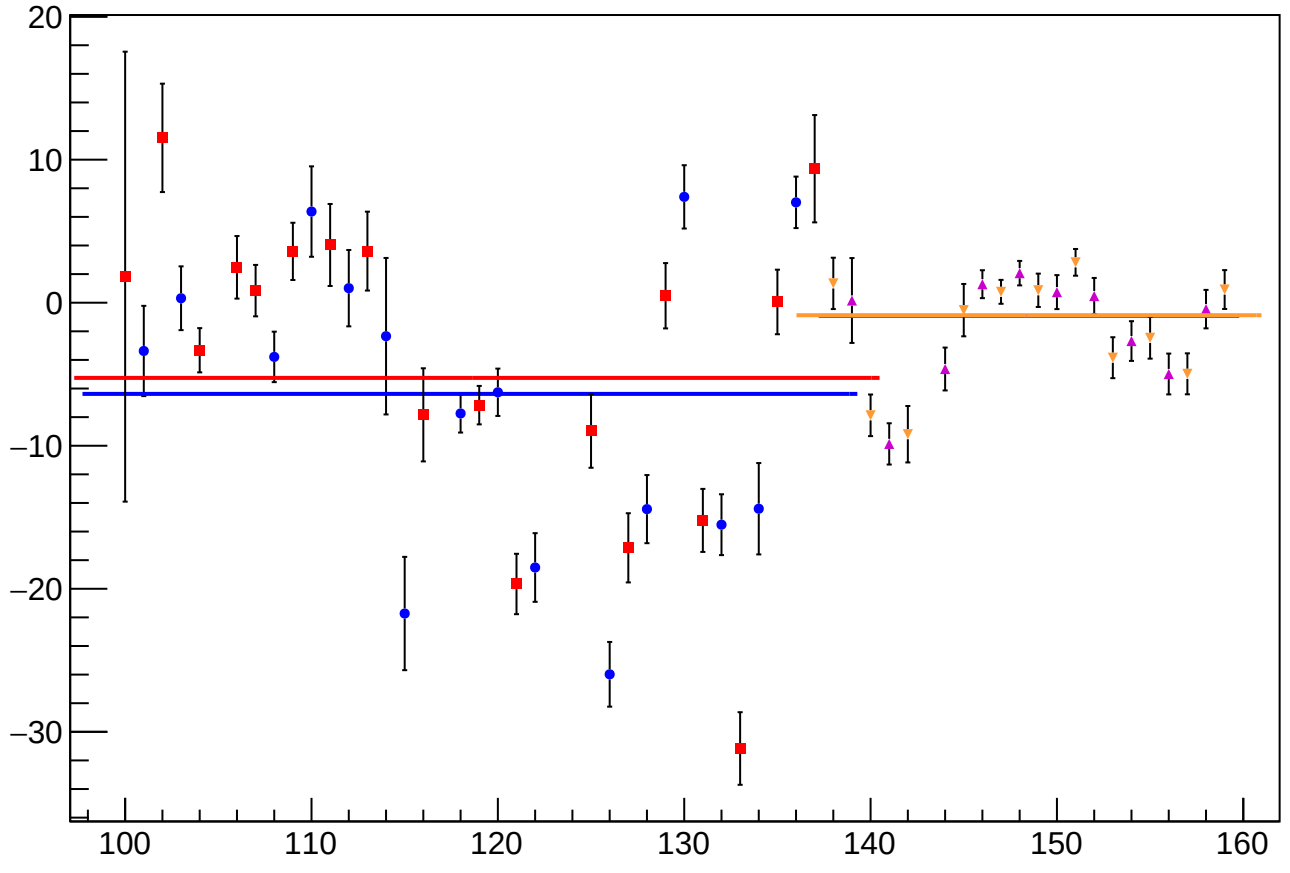
Left In: -19.079+/-0.033 χ^2/NDF:12775.1/9

\+ sign -12.723+/-0.029 χ^2/NDF: 360656.2/26

All: -13.246+/-0.021 χ^2/NDF: 647098.2/54

\- sign -13.770+/-0.030 χ^2/NDF: 285812.0/27


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: -34.315+/-0.548 χ²/NDF: 3500.2/15
Left Out: 34.815+/-0.589 χ²/NDF:74.5/10
Right Out: -31.175+/-0.516 χ²/NDF: 3200.4/17
Left In: 34.222+/-0.594 χ²/NDF:50.3/9
+ sign -2.236+/-0.401 χ²/NDF: 10965.3/26
All: -2.659+/-0.279 χ²/NDF: 21131.5/54
- sign -3.057+/-0.389 χ²/NDF: 10164.0/27



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

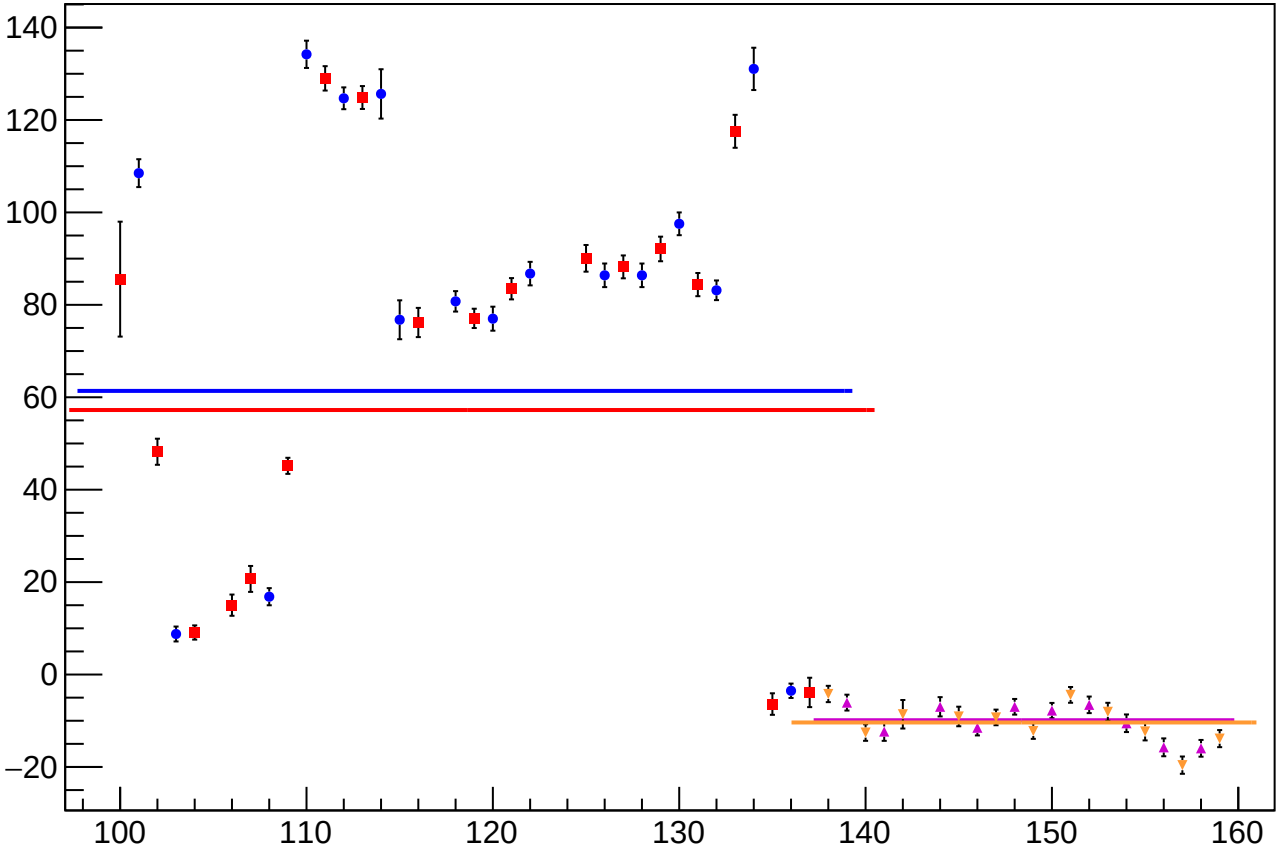
Left In: -0.924+/-0.397 χ^2/NDF:75.1/9

+ sign -2.687+/-0.318 χ^2/NDF: 429.4/26

All: -2.579+/-0.225 χ^2/NDF: 860.2/54

- sign -2.471+/-0.318 χ^2/NDF: 430.6/27

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

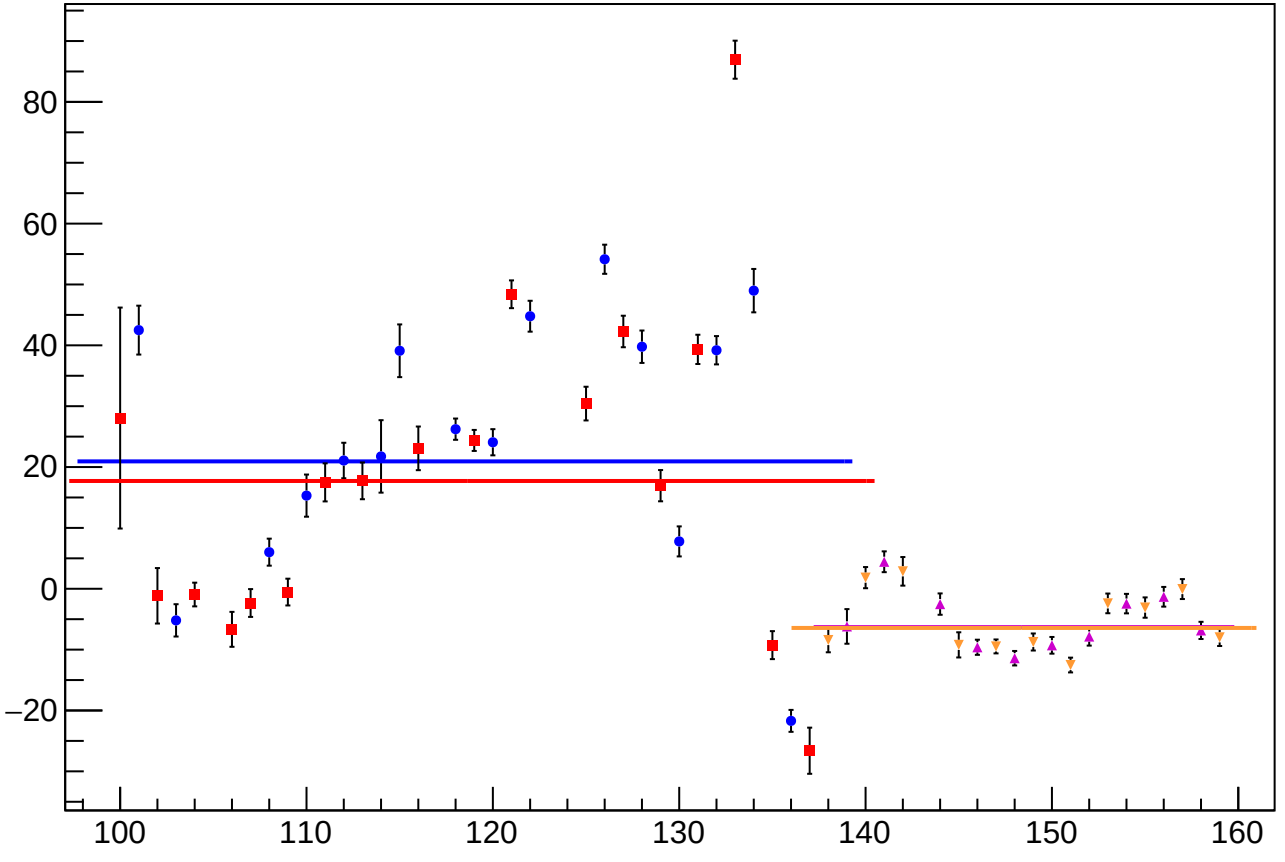
Left In: -9.888+/-0.573 χ^2/NDF:37.9/9

+ sign 23.849+/-0.410 χ^2/NDF: 13748.6/26

All: 23.537+/-0.289 χ^2/NDF: 25837.3/54

- sign 23.230+/-0.408 χ^2/NDF: 12087.5/27

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.437+/-0.469 χ^2/NDF:102.6/10

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

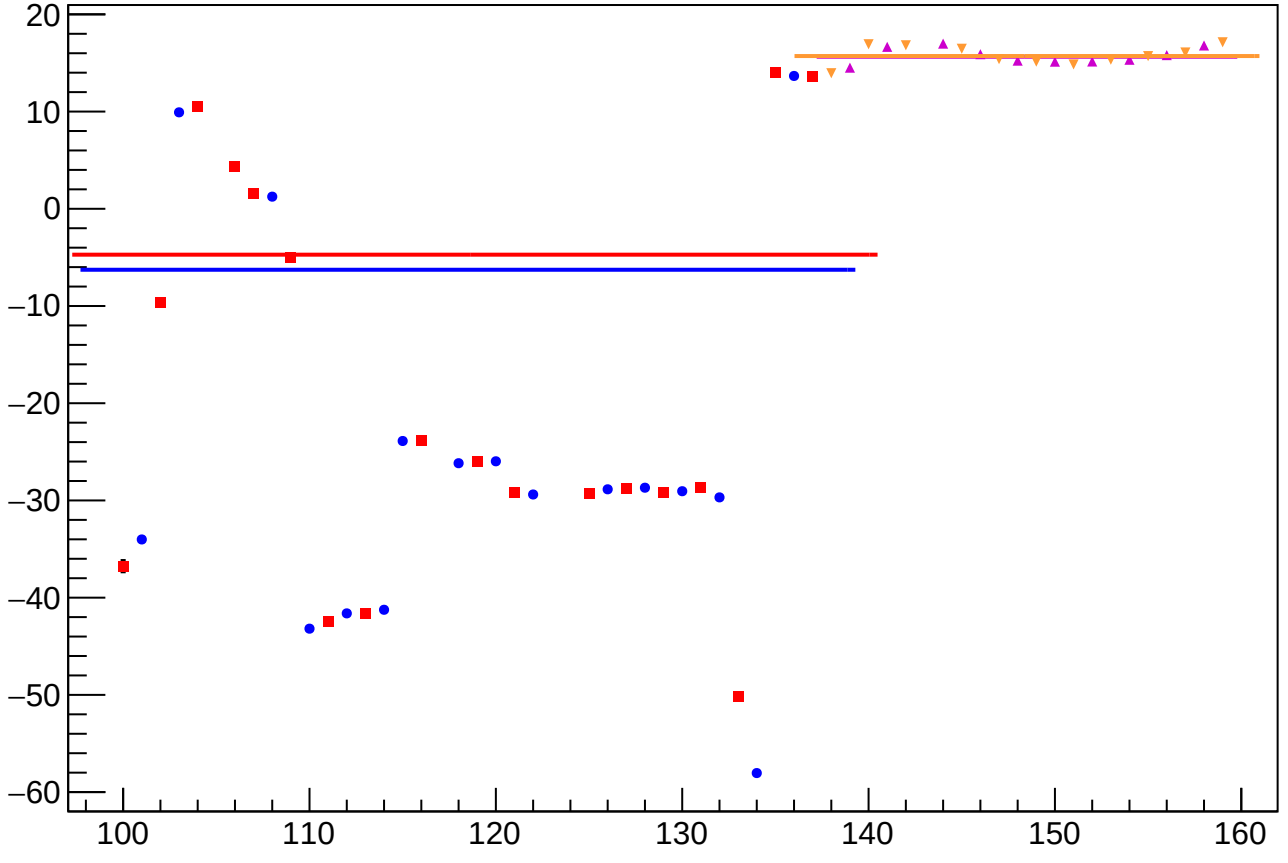
Left In: -6.297+/-0.477 χ^2/NDF:90.8/9

+ sign 3.114+/-0.378 χ^2/NDF: 2538.0/26

All: 2.887+/-0.267 χ^2/NDF: 5057.1/54

- sign 2.661+/-0.378 χ^2/NDF: 2518.5/27

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.711+/-0.022 χ^2/NDF:1851.6/10

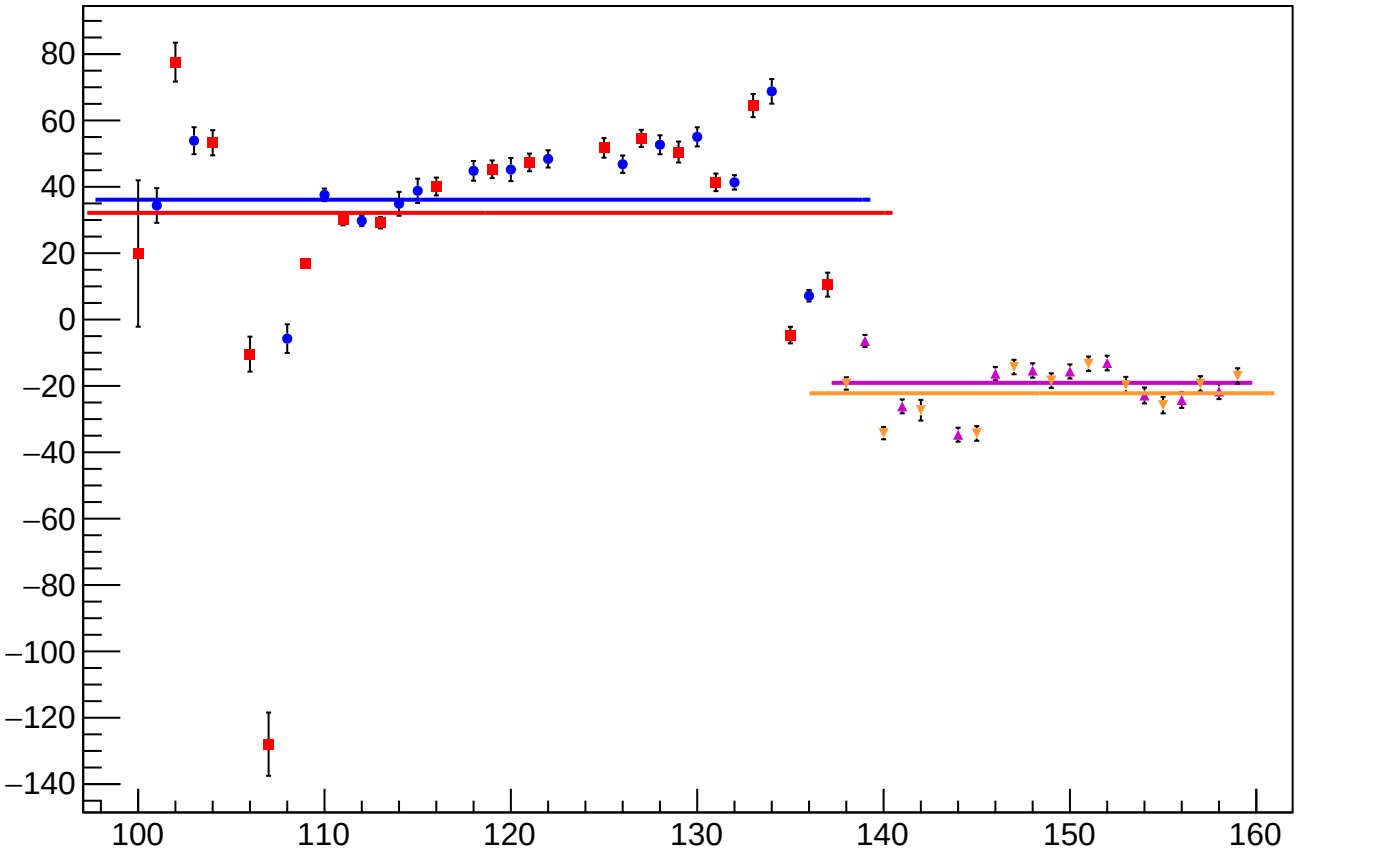
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.641+/-0.022 χ^2/NDF:1231.5/9

+ sign 9.243+/-0.018 χ^2/NDF: 717720.0/26

All: 9.492+/-0.013 χ^2/NDF: 1285434.4/54

- sign 9.742+/-0.018 χ^2/NDF: 567336.8/27



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.215+/-0.672 χ^2/NDF:119.8/10

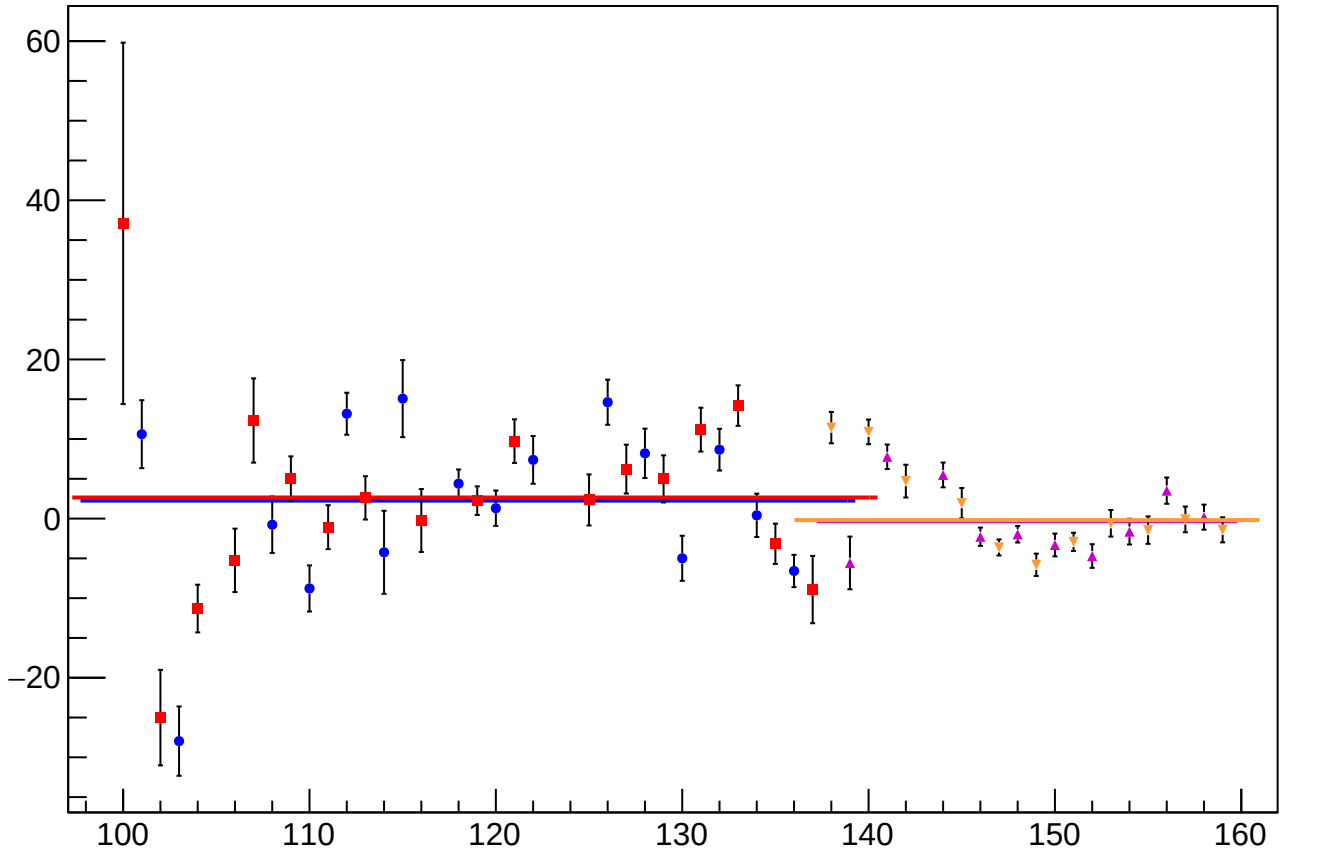
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

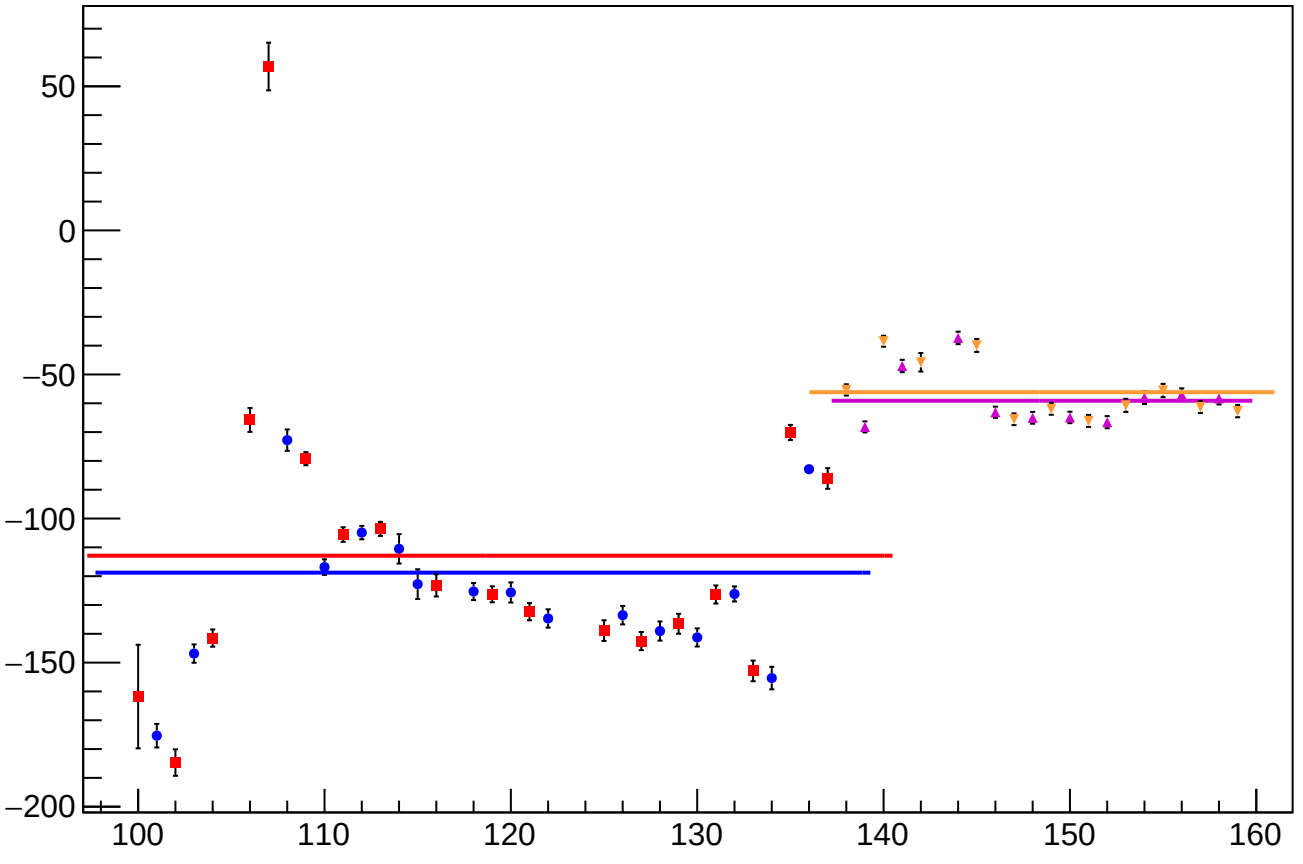
Left In: -19.077+/-0.680 χ^2/NDF:137.0/9

+ sign 7.624+/-0.469 χ^2/NDF: 4600.1/26

All: 8.051+/-0.329 χ^2/NDF: 8904.2/54

- sign 8.465+/-0.462 χ^2/NDF: 4302.5/27


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: -0.191+/-0.451 χ²/NDF:127.6/10
Right Out: 2.651+/-0.715 χ²/NDF: 107.2/17
Left In: -0.328+/-0.461 χ²/NDF:68.7/9
+ sign 0.527+/-0.379 χ²/NDF: 288.3/26
All: 0.536+/-0.271 χ²/NDF: 476.5/54
- sign 0.545+/-0.387 χ²/NDF: 188.2/27



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.152+/-0.650 χ^2/NDF:220.1/10

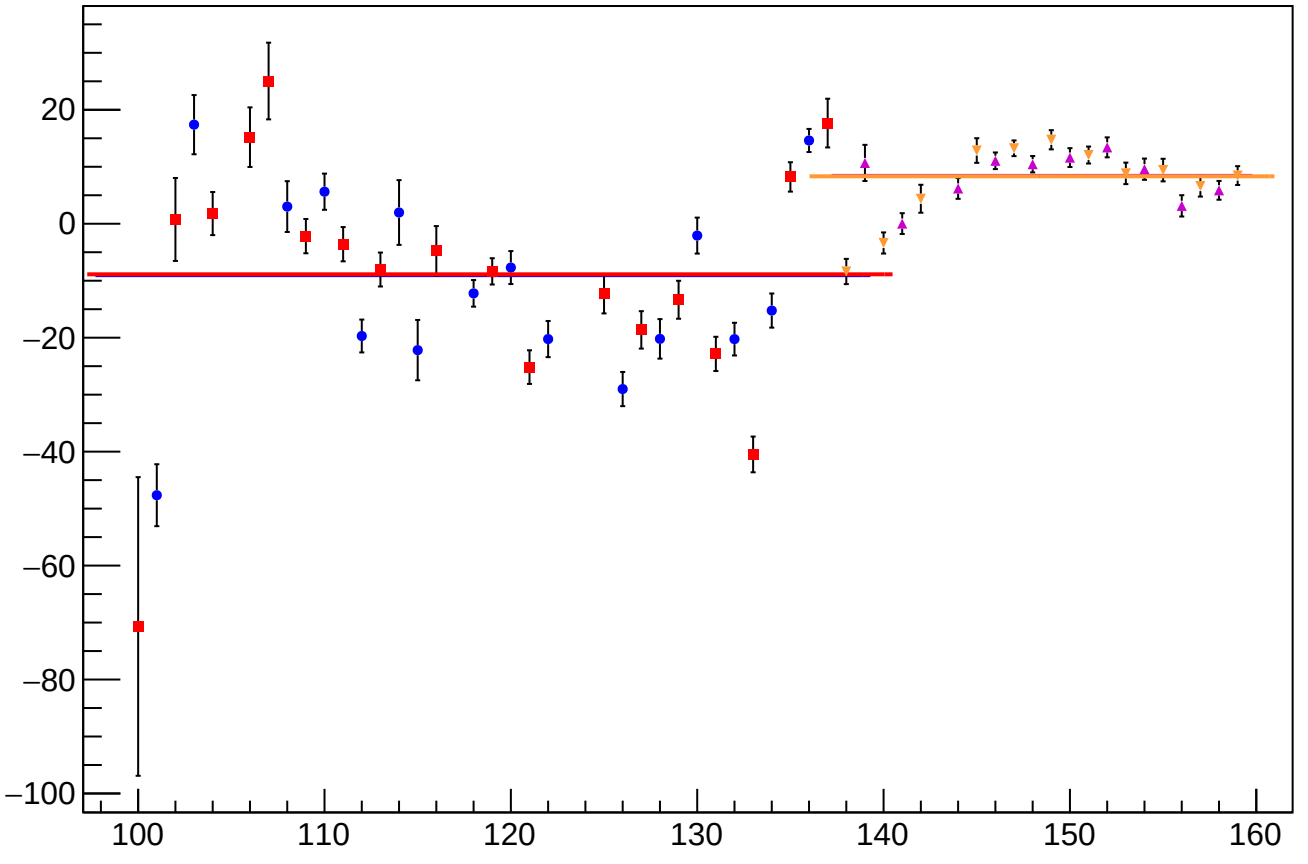
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.116+/-0.658 χ^2/NDF:190.2/9

\+ sign -82.753+/-0.493 χ^2/NDF: 5278.5/26

All: -82.443+/-0.350 χ^2/NDF: 10190.4/54

\- sign -82.127+/-0.498 χ^2/NDF: 4911.1/27



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.327+/-0.542 χ^2/NDF:138.6/10

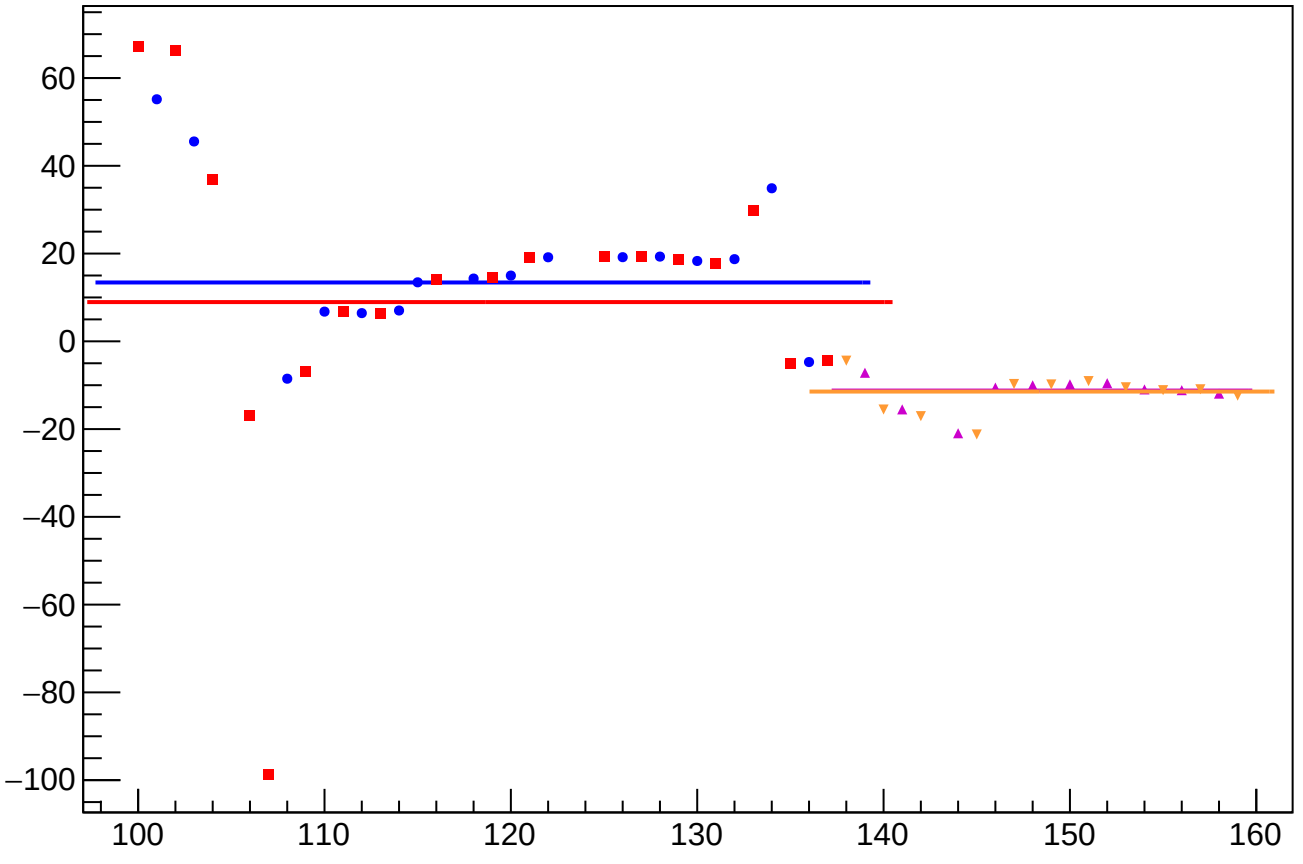
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.397+/-0.552 χ^2/NDF:50.9/9

\+ sign 2.826+/-0.448 χ^2/NDF: 821.2/26

All: 2.875+/-0.320 χ^2/NDF: 1501.4/54

\- sign 2.925+/-0.456 χ^2/NDF: 680.1/27



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.447+/-0.025 χ^2/NDF:26689.3/10

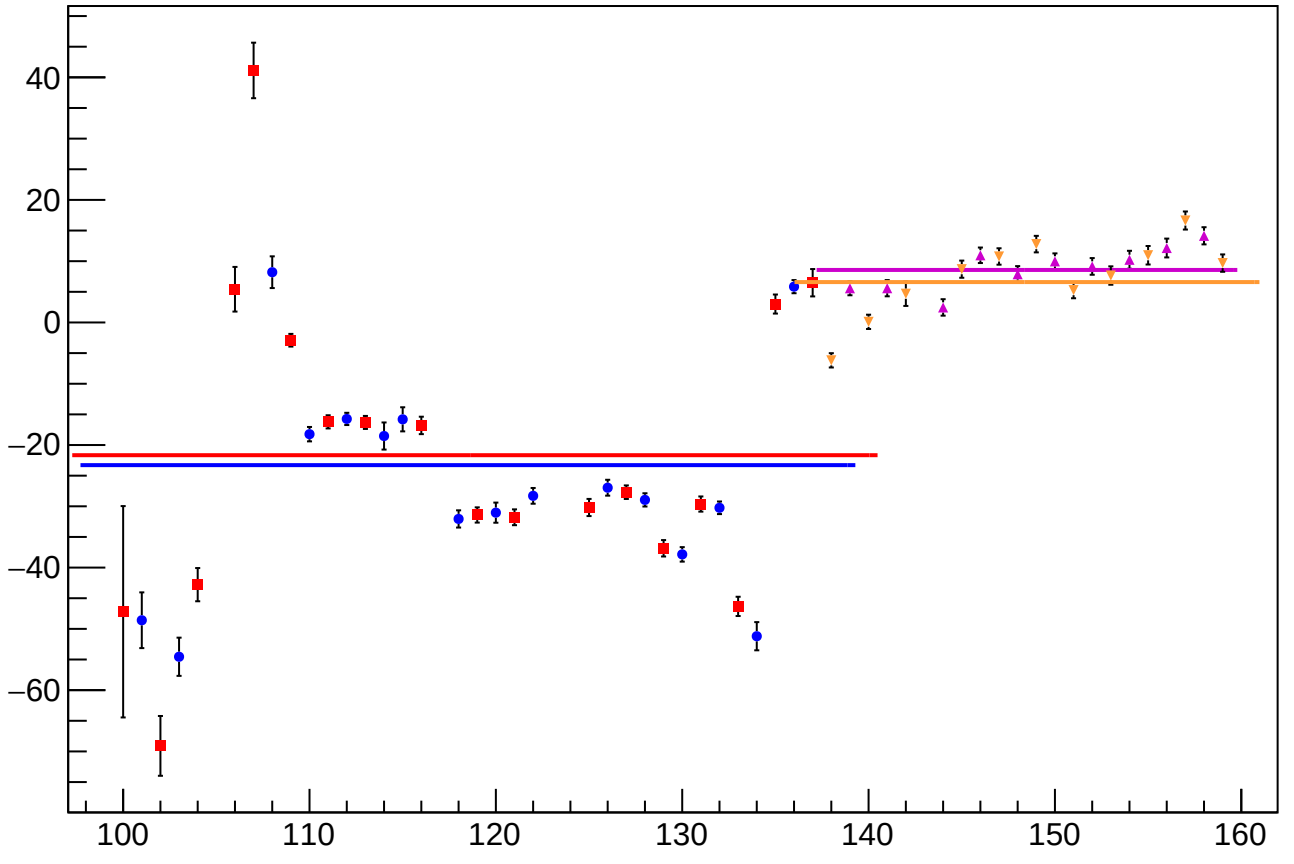
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.220+/-0.025 χ^2/NDF:17212.5/9

+ sign -5.723+/-0.022 χ^2/NDF: 442382.4/26

All: -6.300+/-0.015 χ^2/NDF: 894237.4/54

- sign -6.890+/-0.022 χ^2/NDF: 450429.5/27



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 6.591+/-0.417 χ^2/NDF:245.8/10

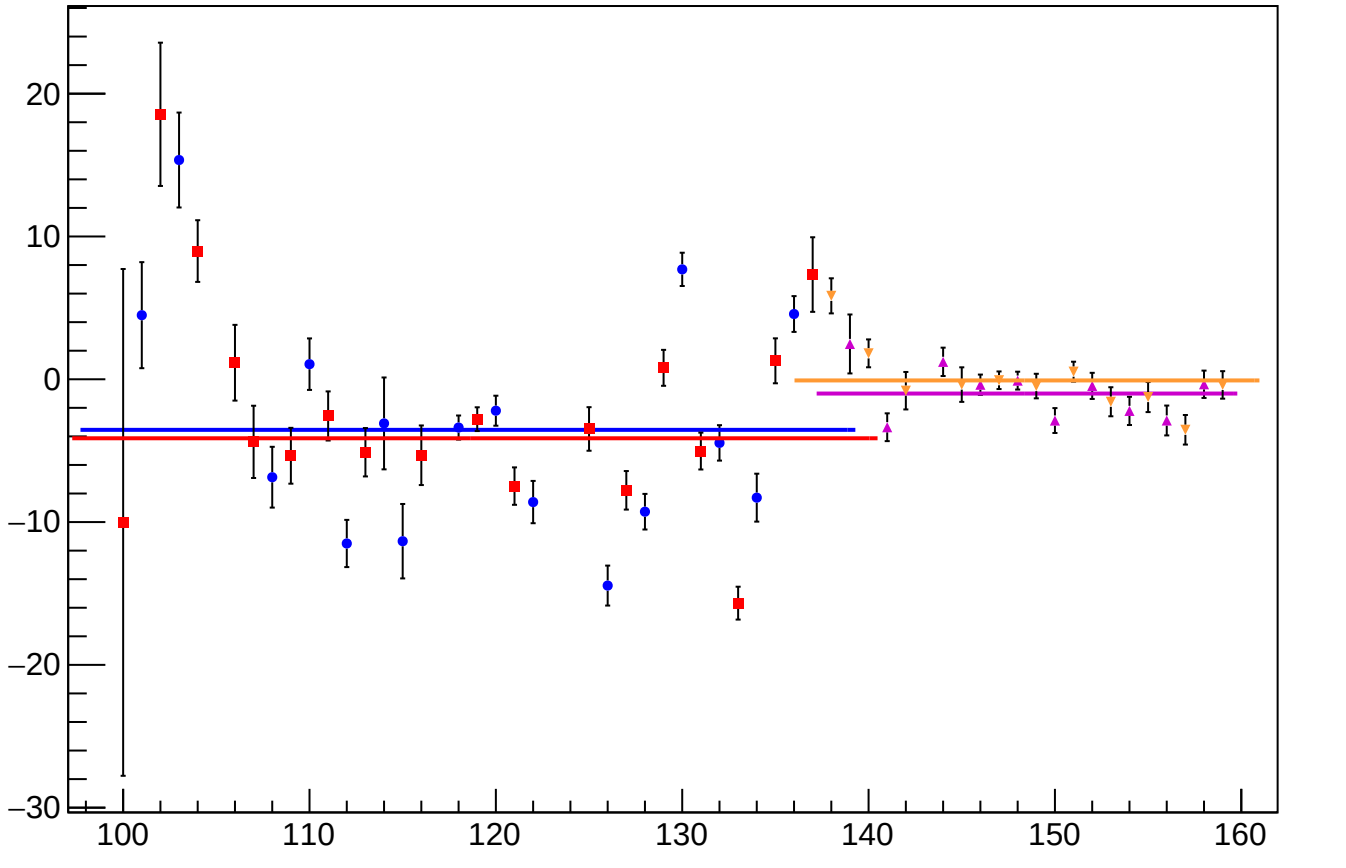
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 8.570+/-0.422 χ^2/NDF:60.4/9

\+ sign -10.919+/-0.268 χ^2/NDF: 4821.5/26

All: -10.180+/-0.190 χ^2/NDF: 9772.2/54

\- sign -9.442+/-0.268 χ^2/NDF: 4935.6/27



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

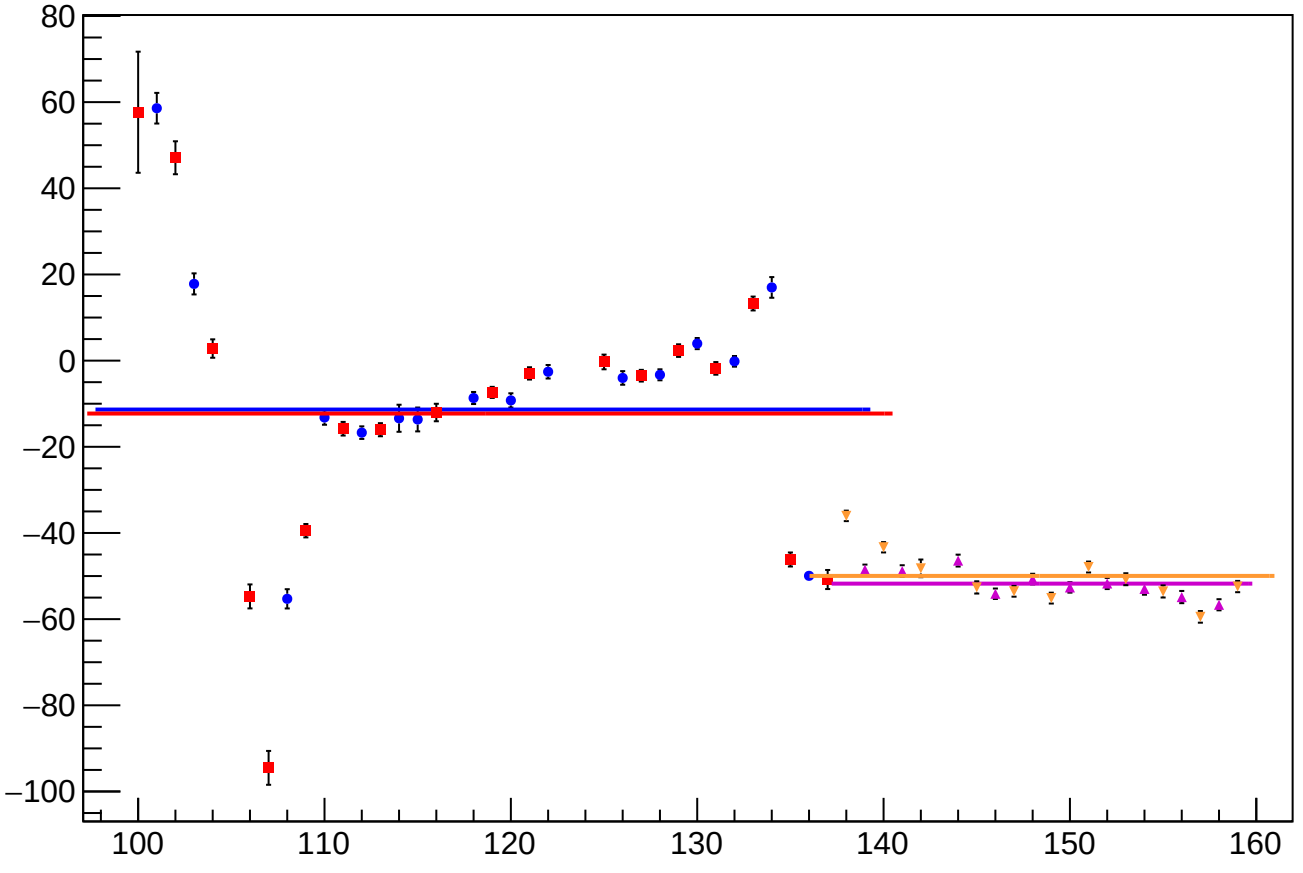
Left In: -0.999+/-0.284 χ^2/NDF:26.8/9

+ sign -1.364+/-0.221 χ^2/NDF: 417.0/26

All: -1.753+/-0.158 χ^2/NDF: 722.6/54

- sign -2.159+/-0.226 χ^2/NDF: 299.3/27

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -49.966+/-0.403 χ^2/NDF:253.1/10

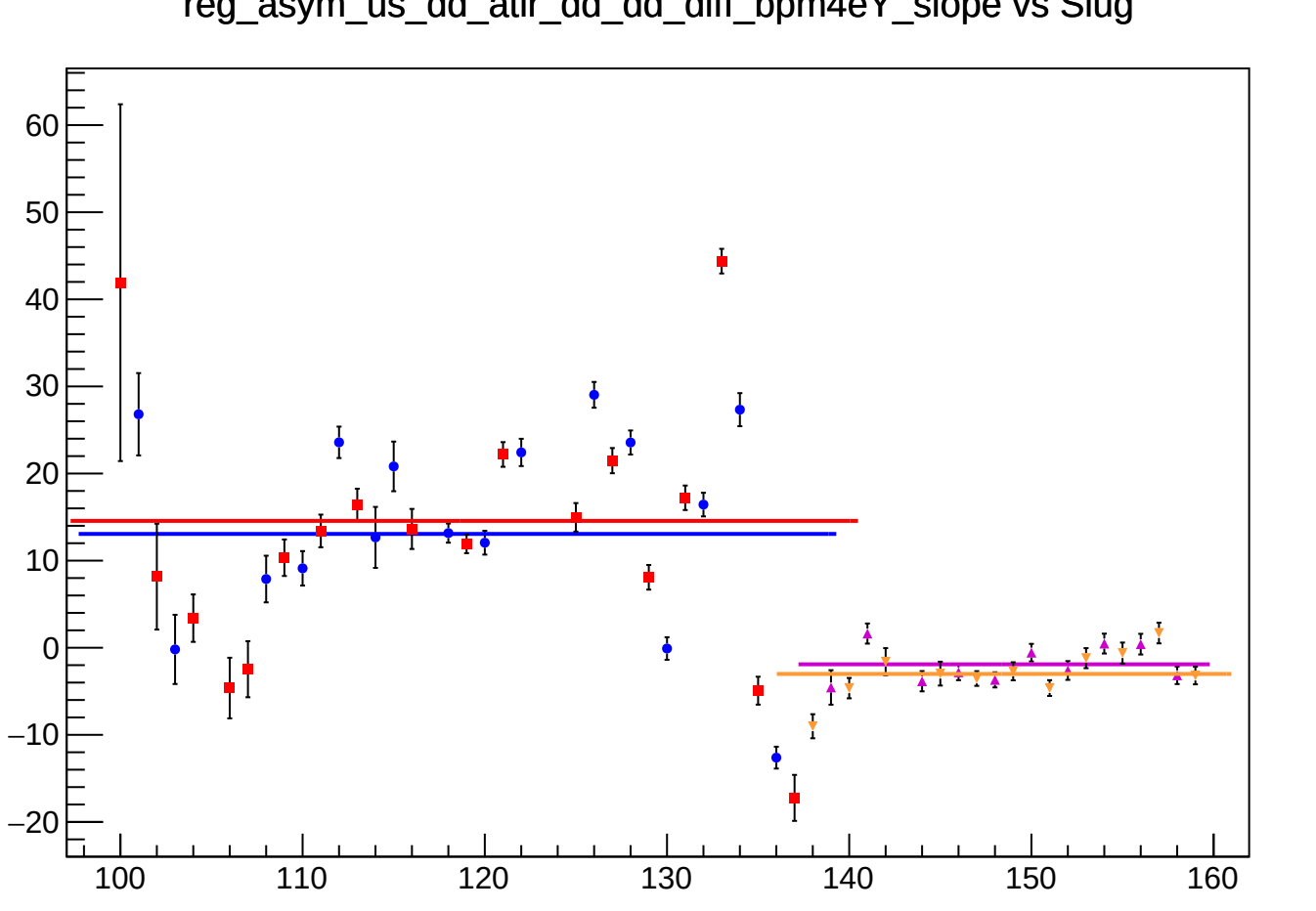
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

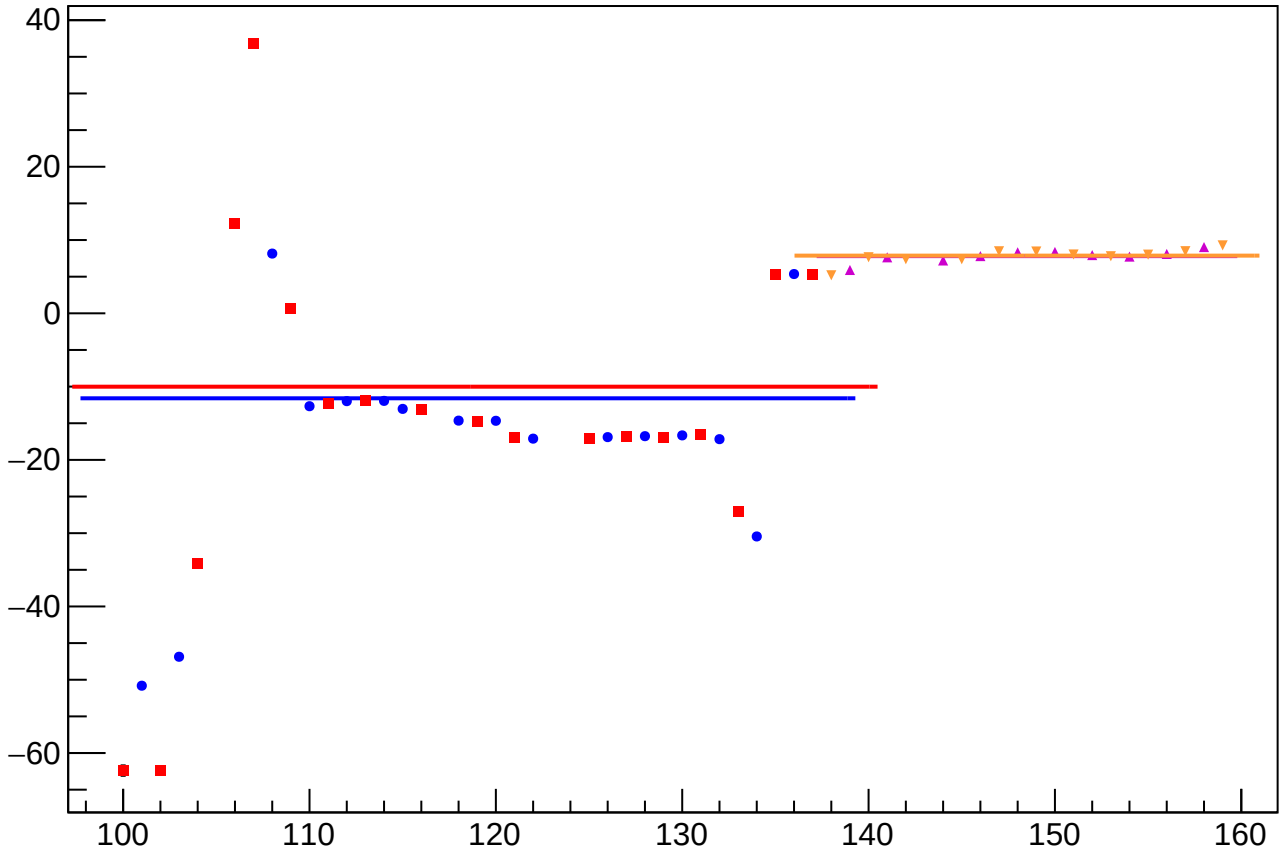
Left In: -51.758+/-0.408 χ^2/NDF:52.0/9

+ sign -30.772+/-0.286 χ^2/NDF: 7470.3/26

All: -31.518+/-0.204 χ^2/NDF: 14753.0/54

- sign -32.285+/-0.290 χ^2/NDF: 7268.9/27


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 13.066+/-0.415 χ²/NDF: 863.4/15
Left Out: -3.007+/-0.335 χ²/NDF:47.5/10
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -1.902+/-0.341 χ²/NDF:31.1/9
+ sign 3.346+/-0.261 χ²/NDF: 1819.2/26
All: 3.958+/-0.186 χ²/NDF: 3684.4/54
- sign 4.592+/-0.265 χ²/NDF: 1853.9/27



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

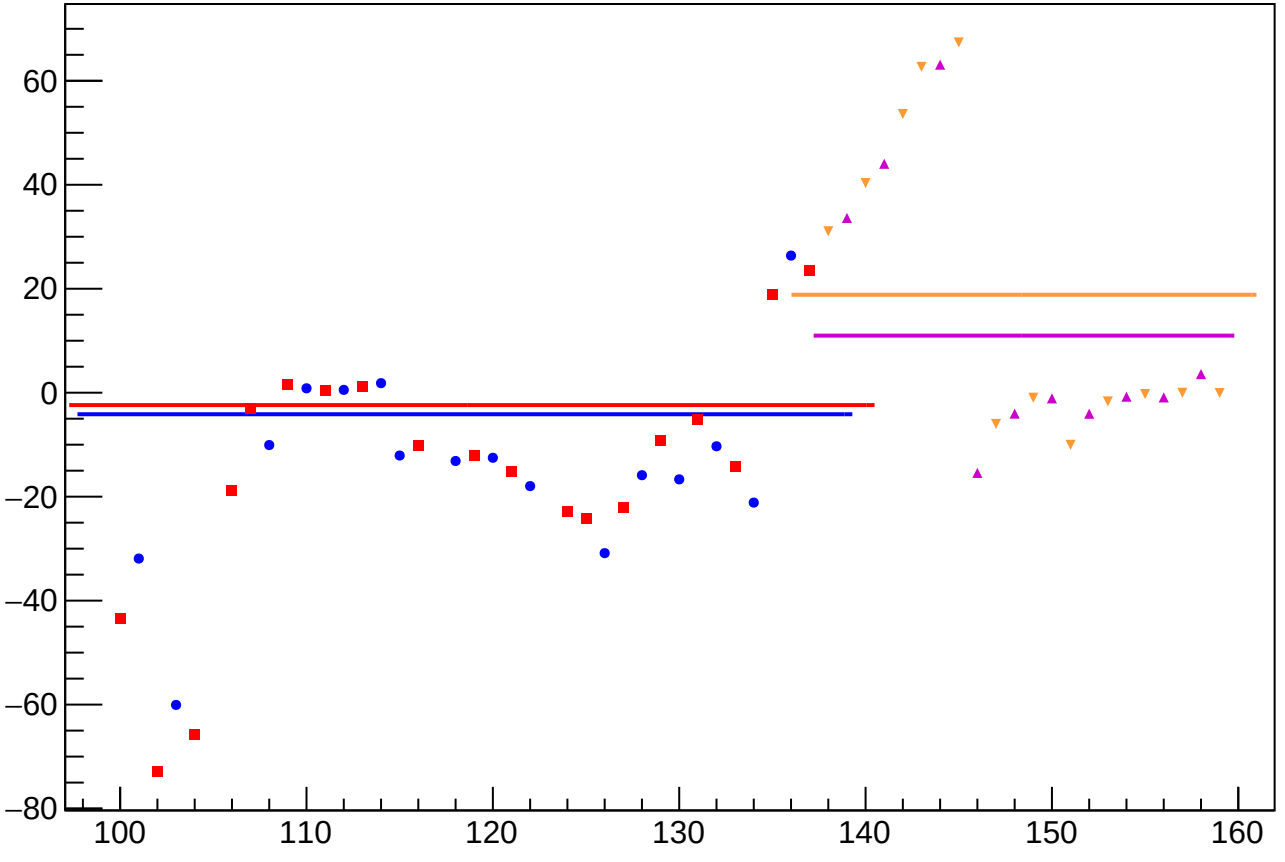
Left In: 7.802+/-0.015 χ^2/NDF:3126.4/9

\+ sign 2.923+/-0.013 χ^2/NDF: 773516.3/26

All: 3.237+/-0.009 χ^2/NDF: 1494970.0/54

\- sign 3.557+/-0.013 χ^2/NDF: 720323.5/27

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

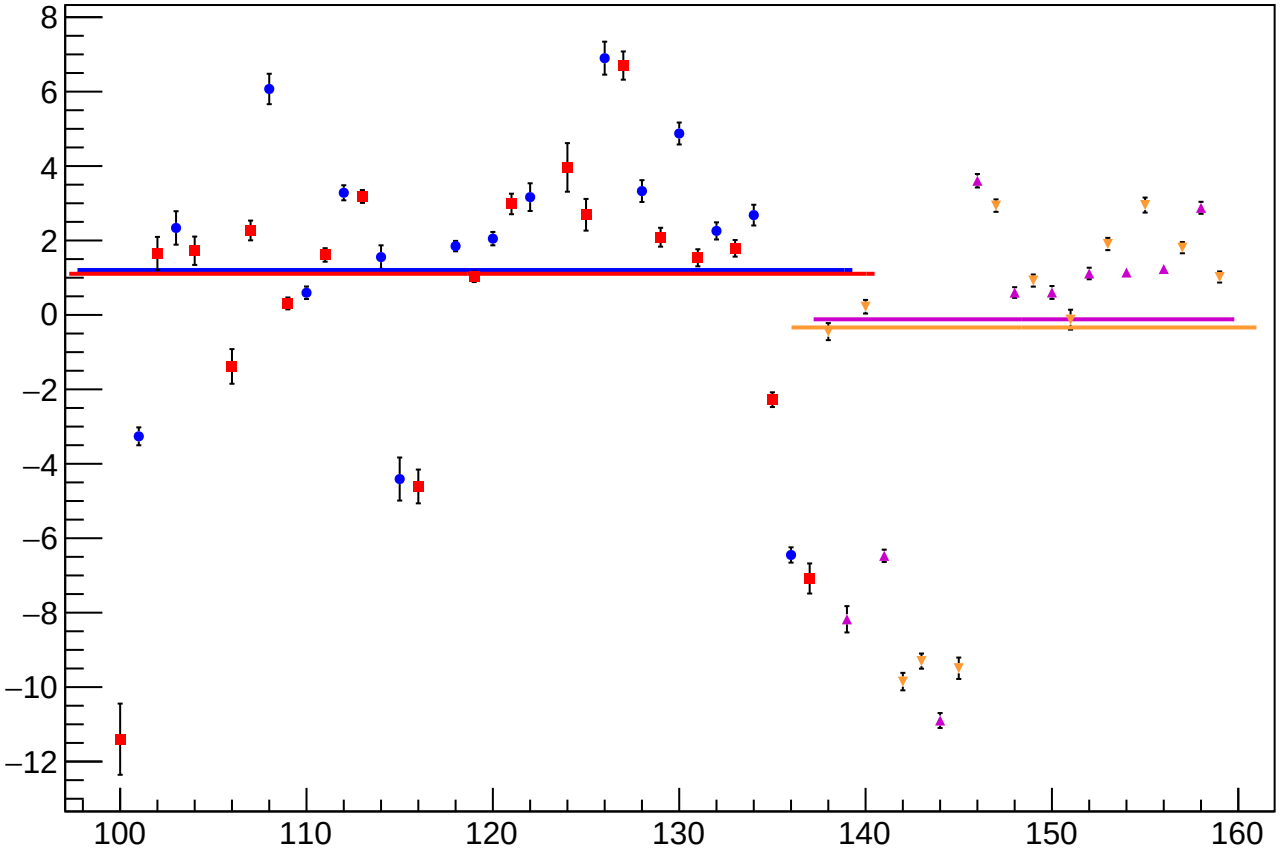
Left In: 10.980+/-0.069 χ^2/NDF:98833.6/9

+ sign 3.659+/-0.044 χ^2/NDF: 242531.9/27

All: 2.561+/-0.029 χ^2/NDF: 449074.1/56

- sign 1.743+/-0.038 χ^2/NDF: 205477.3/28

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

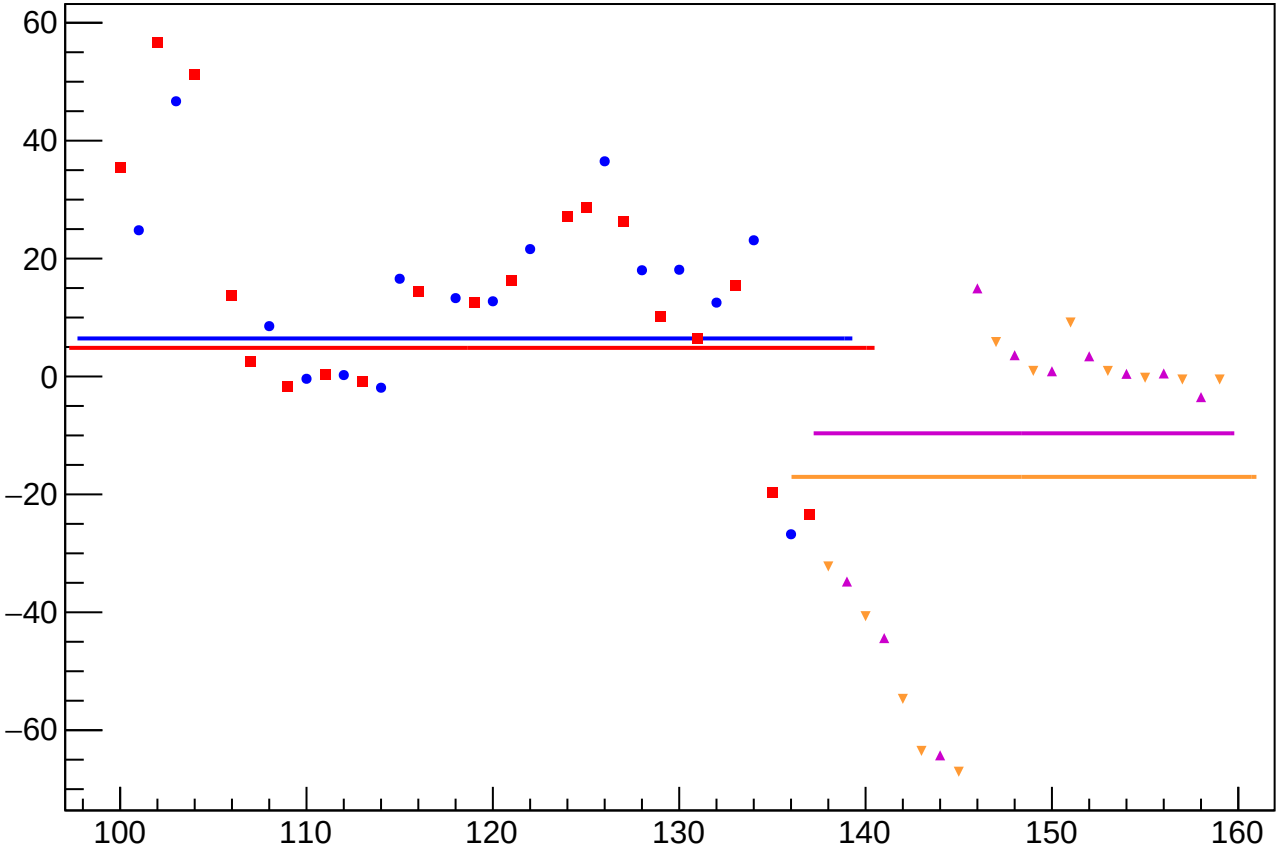
Left In: -0.118+/-0.048 χ^2/NDF:6024.7/9

+ sign 0.351+/-0.040 χ^2/NDF: 8727.4/27

All: 0.371+/-0.027 χ^2/NDF: 16608.0/56

- sign 0.388+/-0.037 χ^2/NDF: 7880.1/28

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

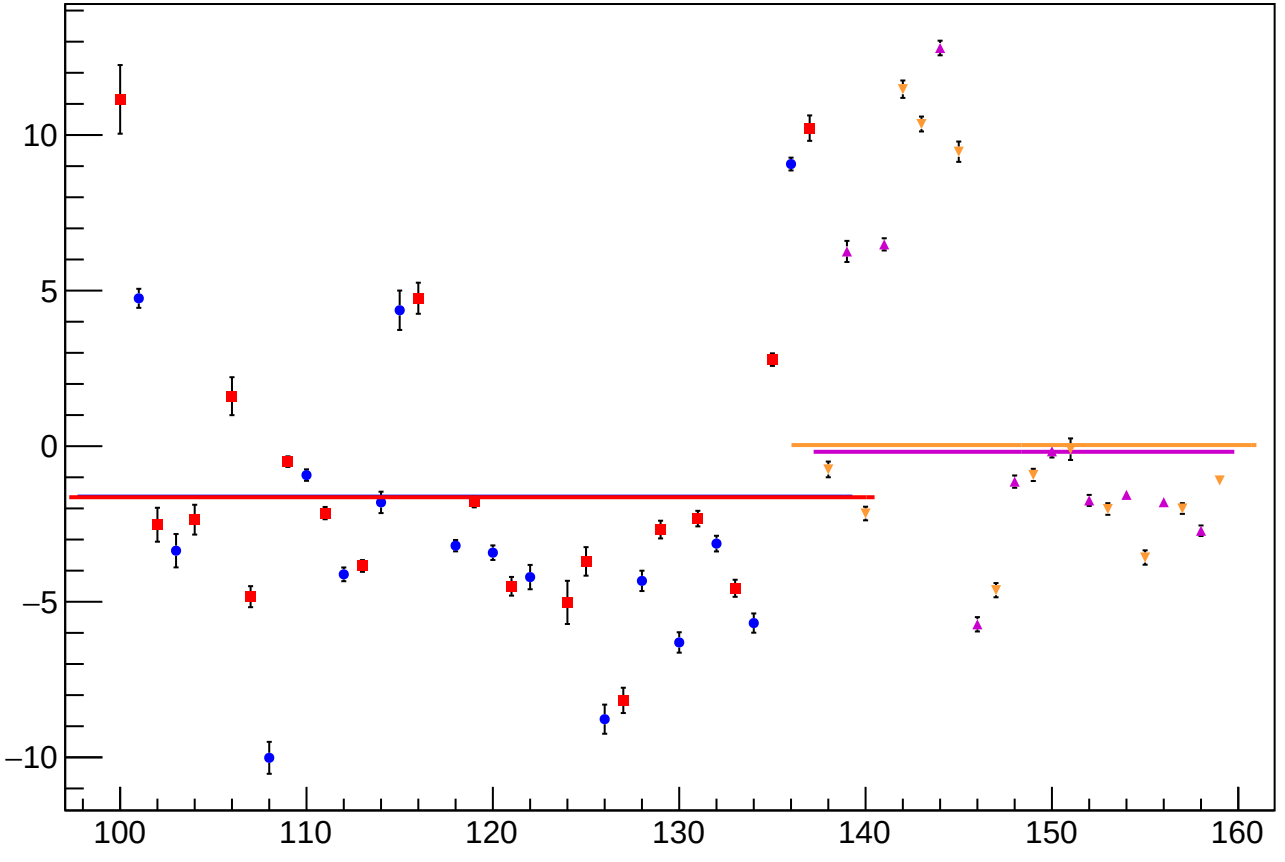
Left In: -9.640+/-0.066 χ^2/NDF:99877.0/9

+ sign -3.825+/-0.049 χ^2/NDF: 236839.7/27

All: -2.601+/-0.033 χ^2/NDF: 439883.7/56

- sign -1.608+/-0.044 χ^2/NDF: 201908.7/28

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 0.036+/-0.063 χ^2/NDF:5465.4/11

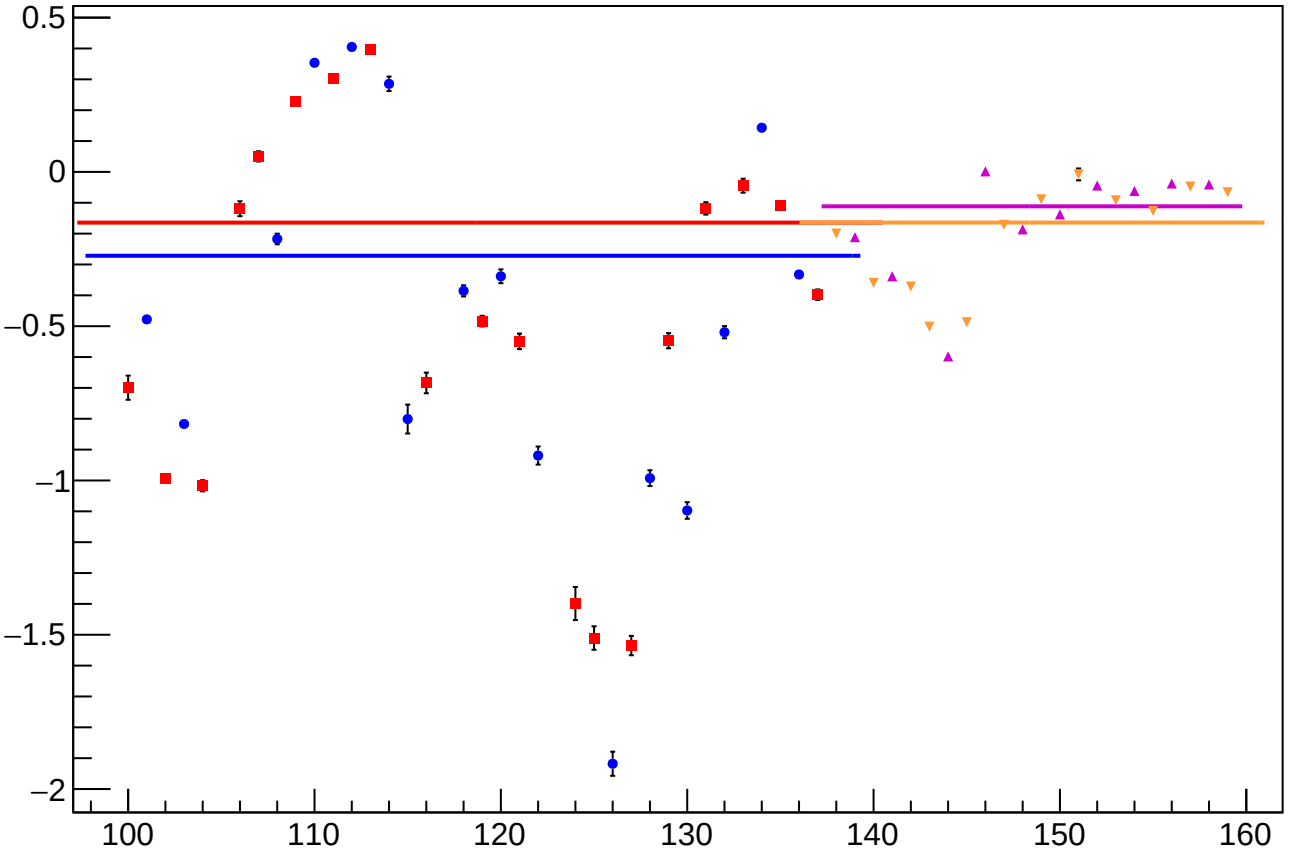
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.181+/-0.056 χ^2/NDF:5746.9/9

+ sign -0.713+/-0.047 χ^2/NDF: 10301.6/27

All: -0.764+/-0.031 χ^2/NDF: 18805.0/56

- sign -0.806+/-0.042 χ^2/NDF: 8501.2/28



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

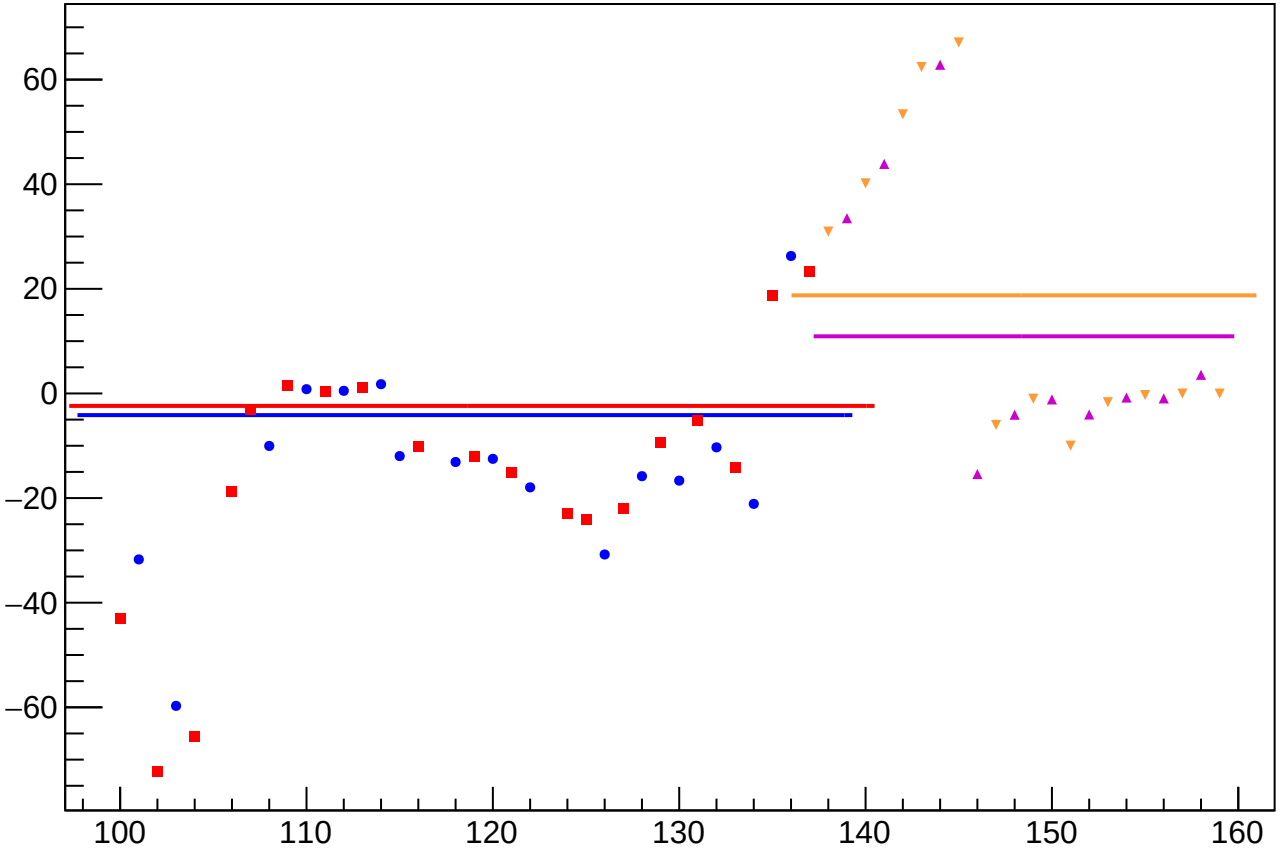
Left In: -0.112+/-0.002 χ^2/NDF:2908.3/9

+ sign -0.197+/-0.002 χ^2/NDF: 15221.9/27

All: -0.157+/-0.002 χ^2/NDF: 34309.8/56

- sign -0.126+/-0.002 χ^2/NDF: 18545.2/28

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

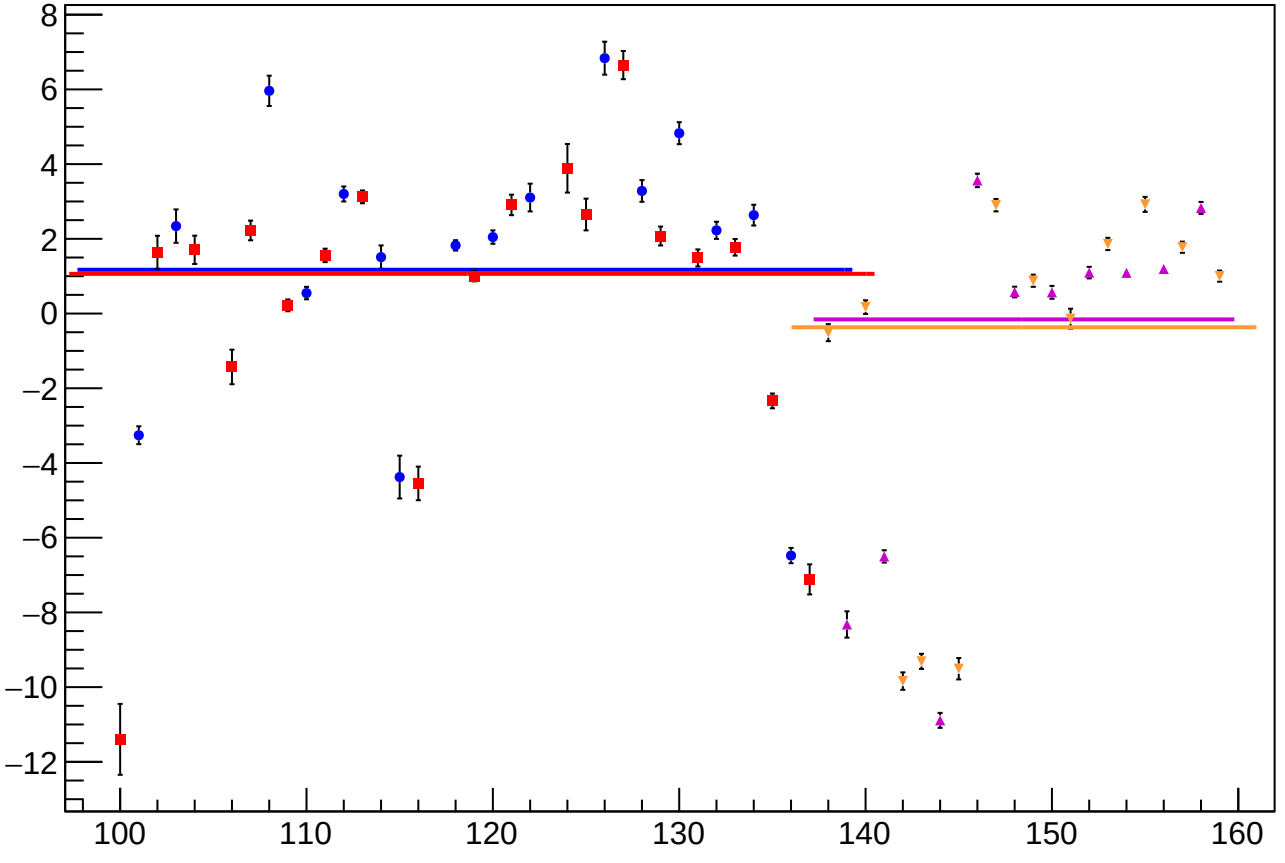
Left In: 10.922+/-0.069 χ^2/NDF:98792.6/9

+ sign 3.604+/-0.044 χ^2/NDF: 242404.9/27

All: 2.516+/-0.029 χ^2/NDF: 448783.8/56

- sign 1.705+/-0.038 χ^2/NDF: 205321.7/28

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

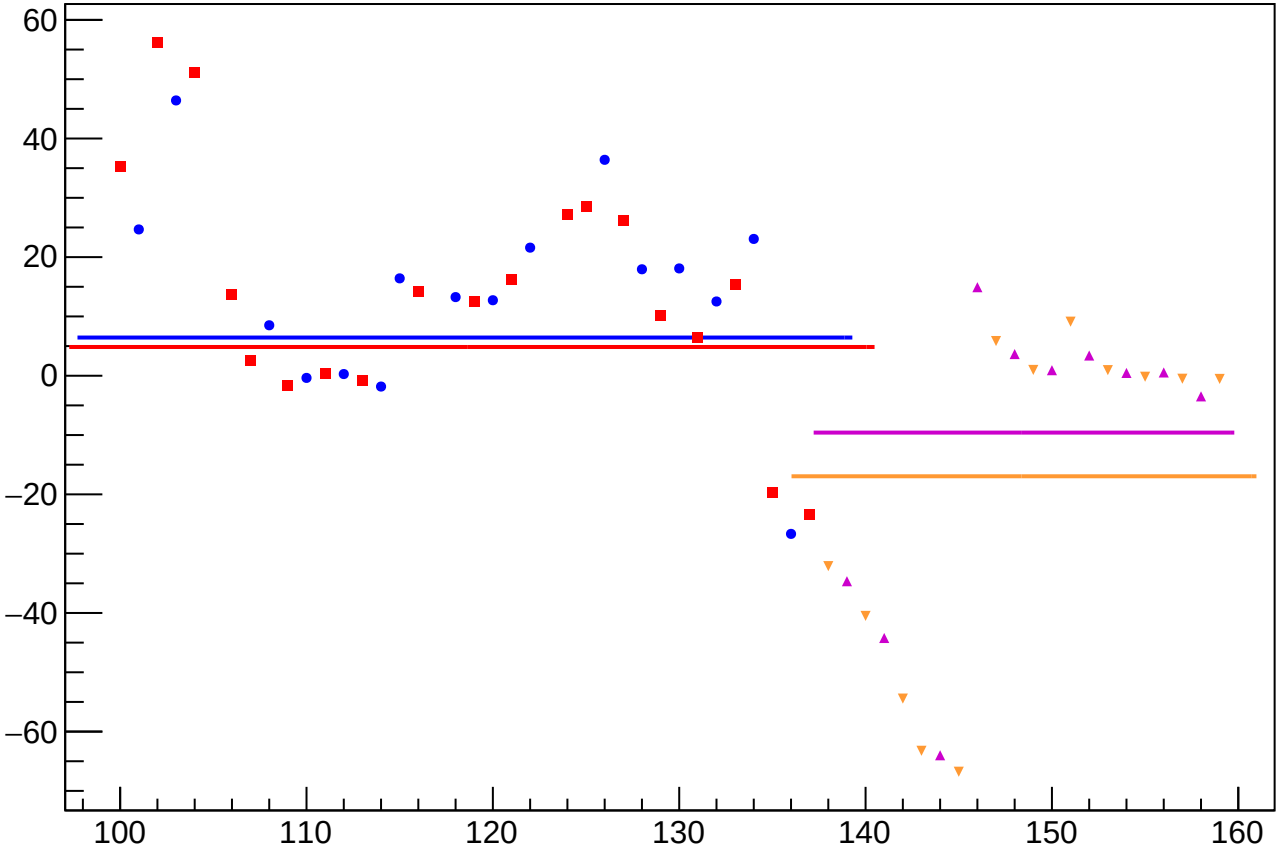
Left In: -0.157+/-0.048 χ^2/NDF:6042.2/9

+ sign 0.321+/-0.040 χ^2/NDF: 8737.3/27

All: 0.336+/-0.027 χ^2/NDF: 16645.0/56

- sign 0.349+/-0.037 χ^2/NDF: 7907.4/28

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

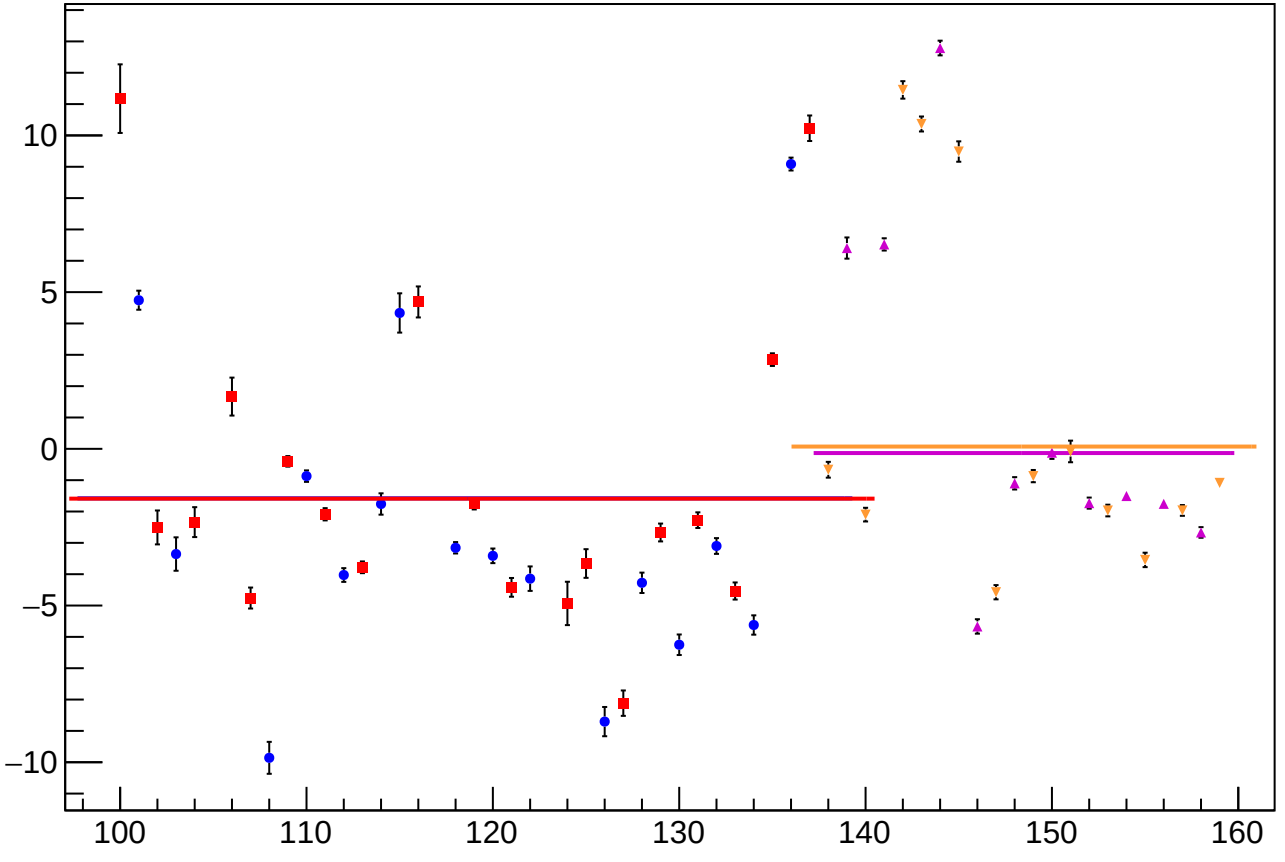
Left In: -9.586+/-0.066 χ^2/NDF:99824.9/9

+ sign -3.771+/-0.049 χ^2/NDF: 236705.0/27

All: -2.554+/-0.033 χ^2/NDF: 439581.4/56

- sign -1.566+/-0.044 χ^2/NDF: 201743.6/28

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

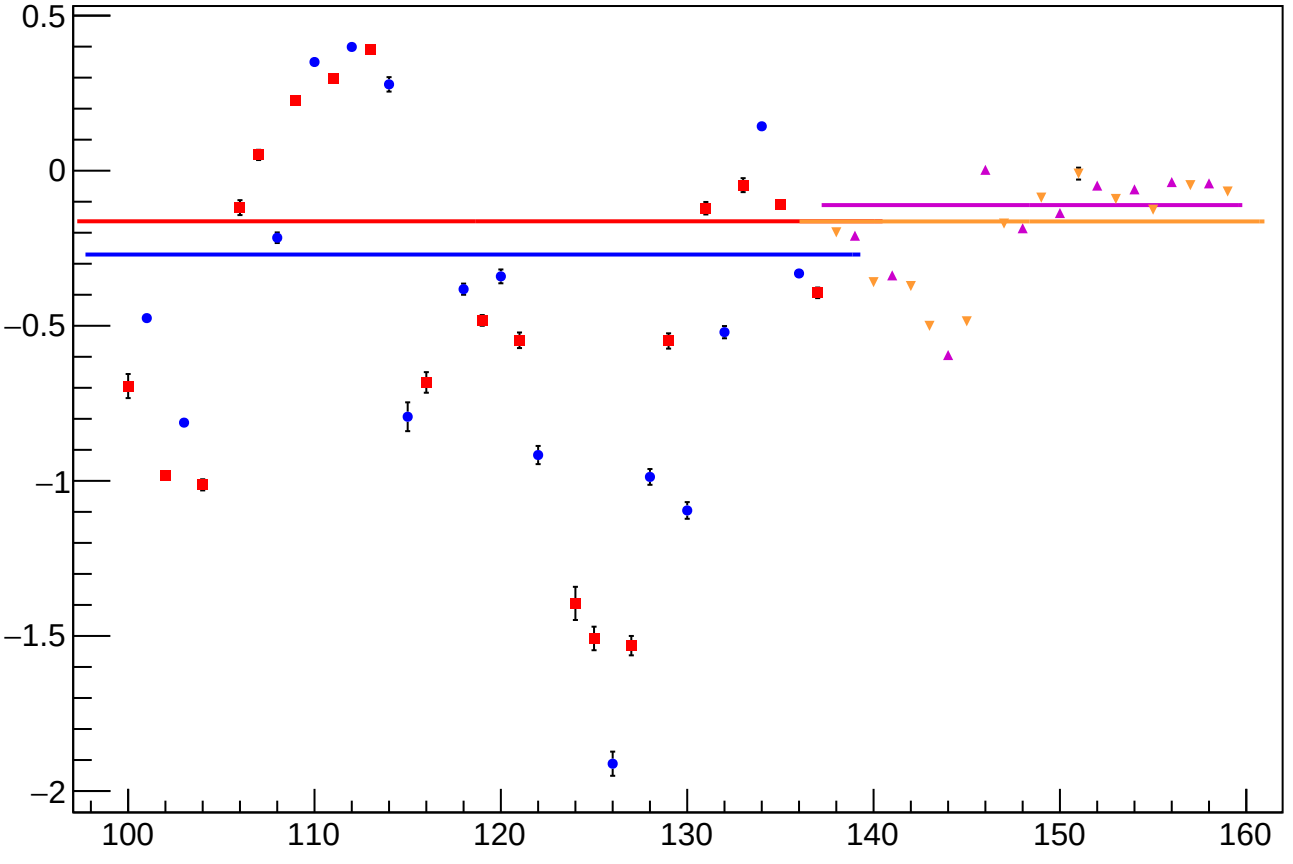
Left In: -0.135+/-0.056 χ^2/NDF:5764.1/9

+ sign -0.676+/-0.047 χ^2/NDF: 10304.4/27

All: -0.722+/-0.031 χ^2/NDF: 18834.9/56

- sign -0.760+/-0.042 χ^2/NDF: 8528.7/28

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

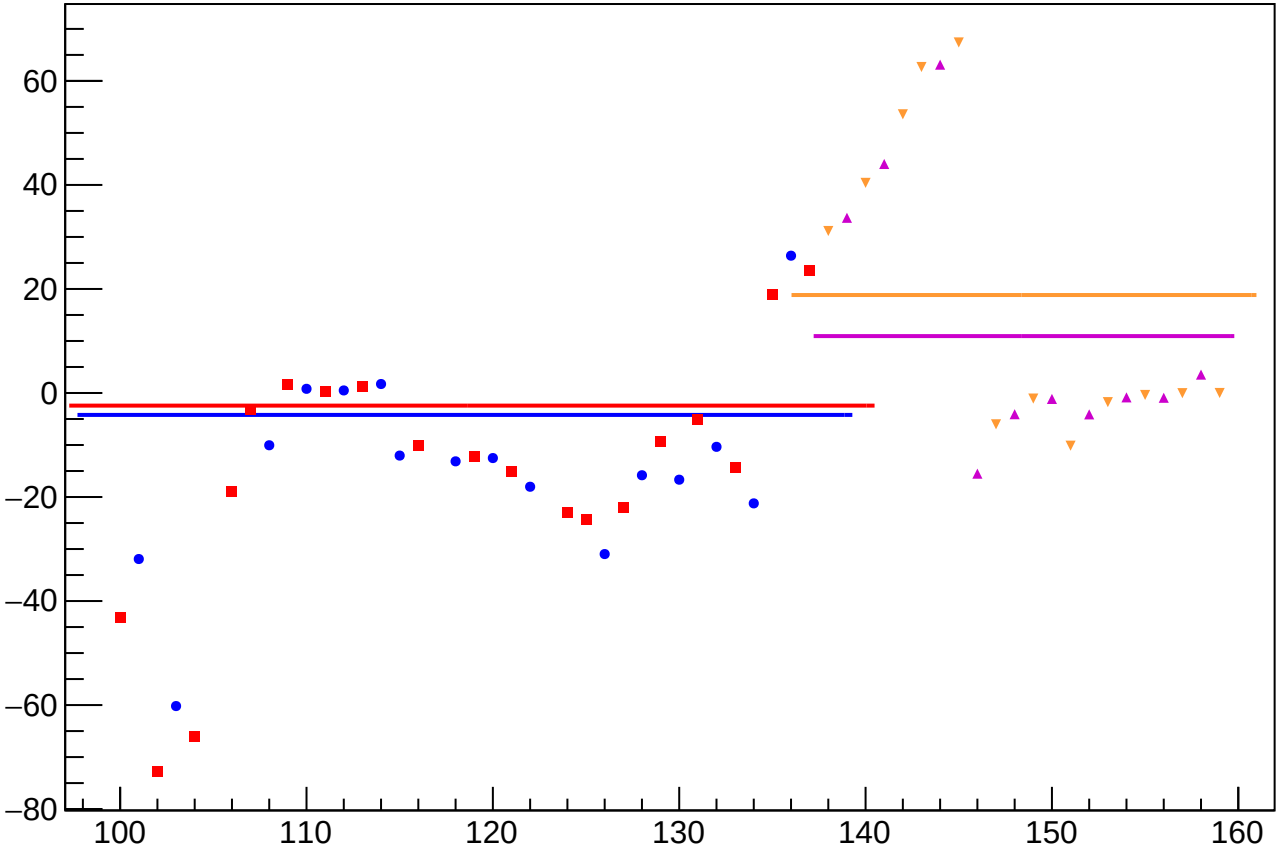
Left In: -0.111+/-0.002 χ^2/NDF:2894.5/9

+ sign -0.196+/-0.002 χ^2/NDF: 15216.5/27

All: -0.156+/-0.002 χ^2/NDF: 34305.3/56

- sign -0.125+/-0.002 χ^2/NDF: 18542.6/28

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

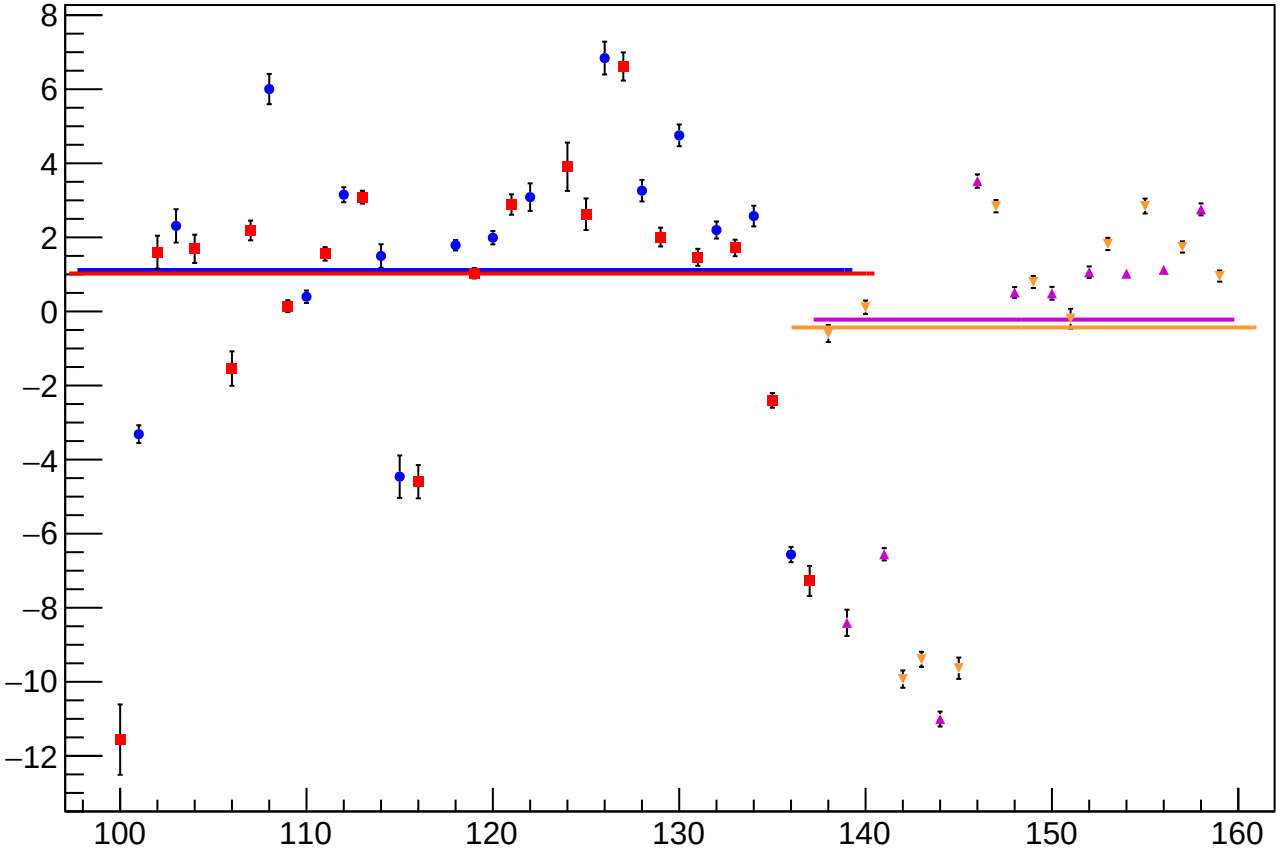
Left In: 10.939+/-0.069 χ^2/NDF:98936.2/9

+ sign 3.605+/-0.044 χ^2/NDF: 242795.7/27

All: 2.514+/-0.029 χ^2/NDF: 449376.0/56

- sign 1.700+/-0.038 χ^2/NDF: 205528.8/28

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

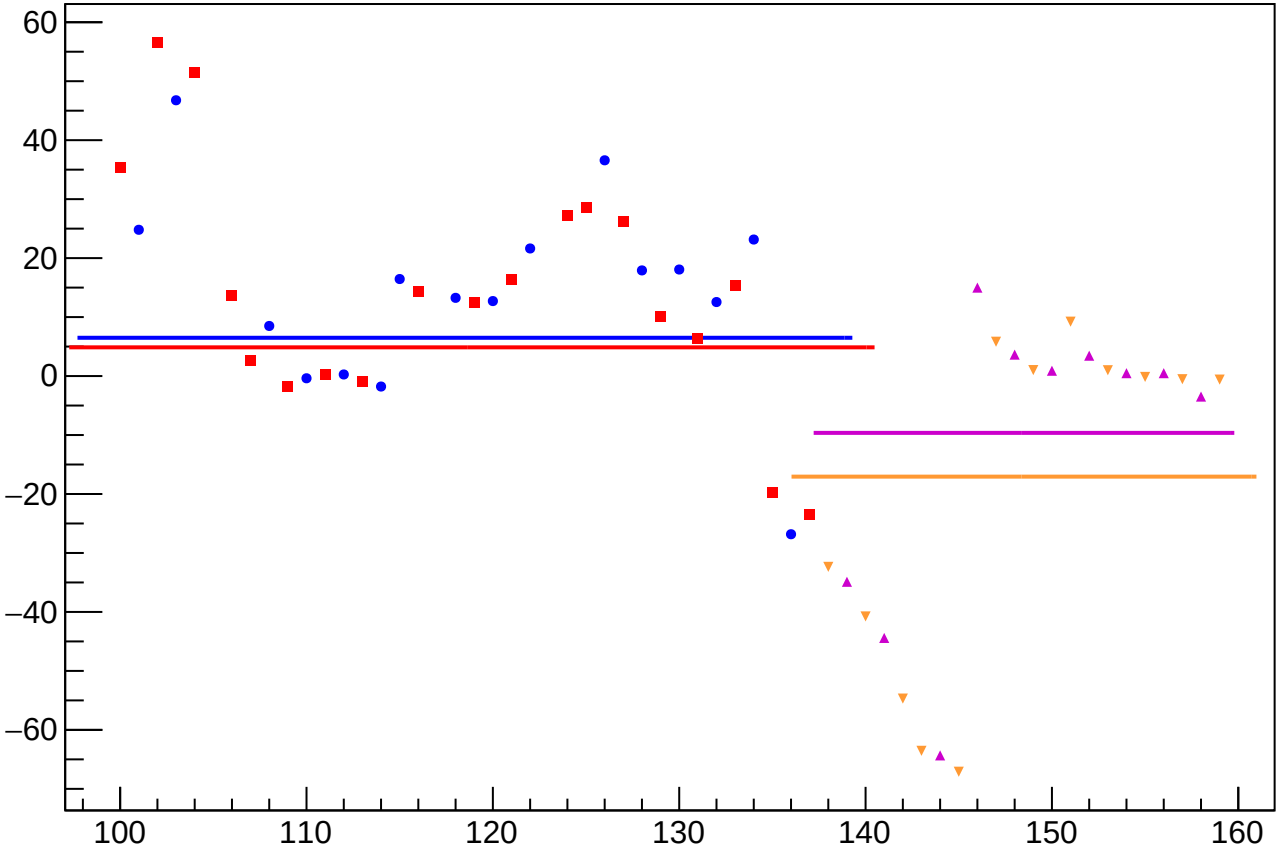
Left In: -0.220+/-0.048 χ^2/NDF:6022.3/9

+ sign 0.260+/-0.040 χ^2/NDF: 8740.0/27

All: 0.279+/-0.027 χ^2/NDF: 16651.8/56

- sign 0.295+/-0.037 χ^2/NDF: 7911.4/28

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

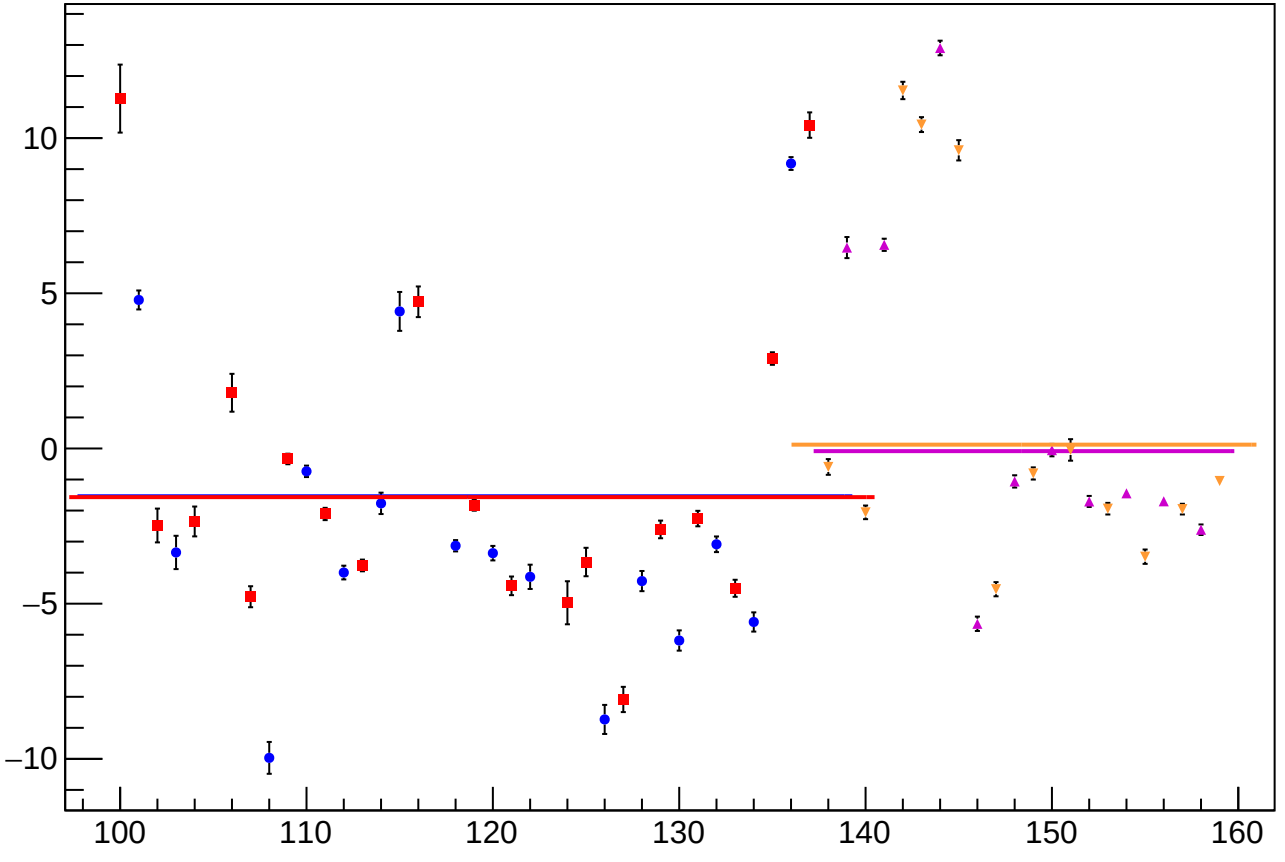
Left In: -9.635+/-0.066 χ^2/NDF:99971.5/9

+ sign -3.804+/-0.049 χ^2/NDF: 237128.4/27

All: -2.585+/-0.033 χ^2/NDF: 440250.7/56

- sign -1.597+/-0.044 χ^2/NDF: 201998.9/28

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

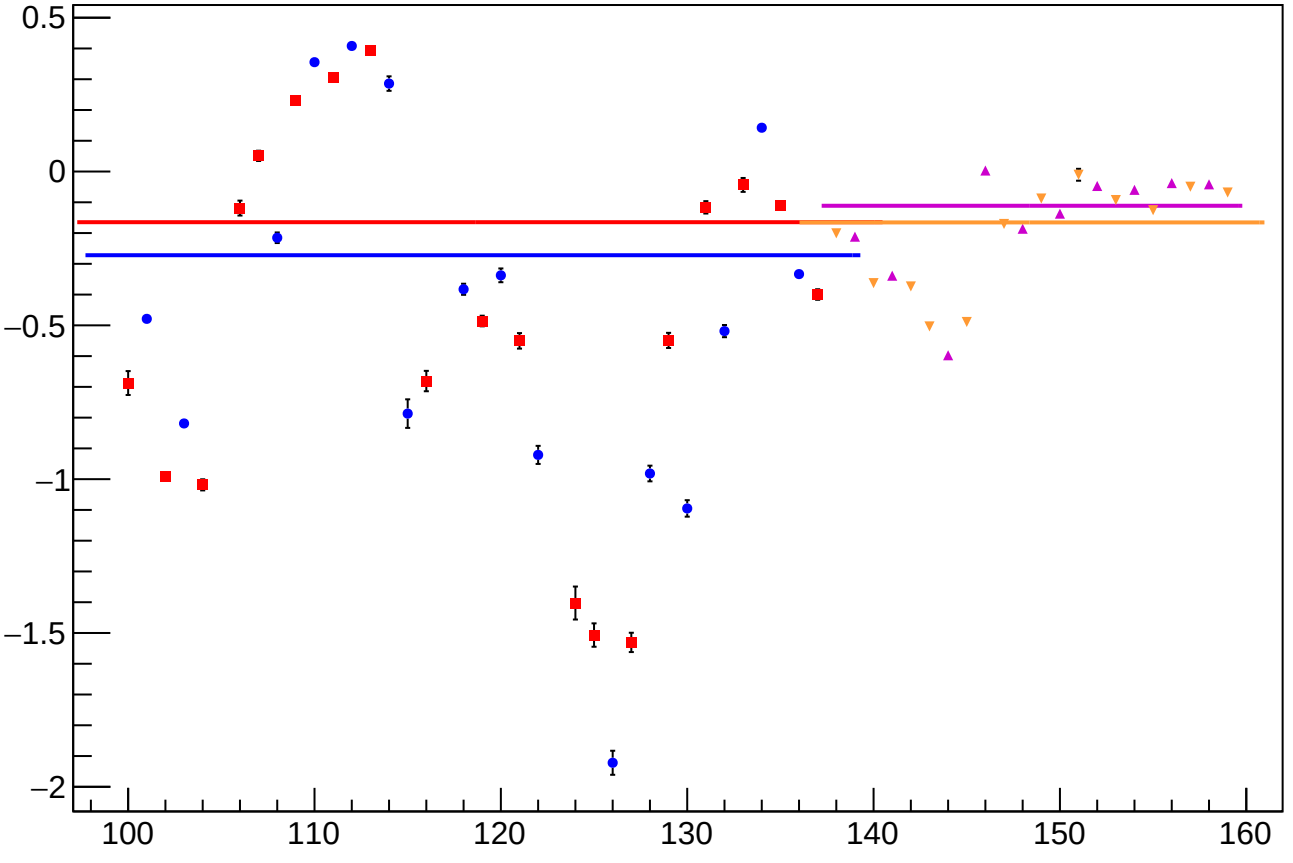
Left In: -0.086+/-0.056 χ^2/NDF:5751.2/9

+ sign -0.629+/-0.047 χ^2/NDF: 10312.0/27

All: -0.680+/-0.031 χ^2/NDF: 18863.0/56

- sign -0.721+/-0.042 χ^2/NDF: 8548.9/28

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

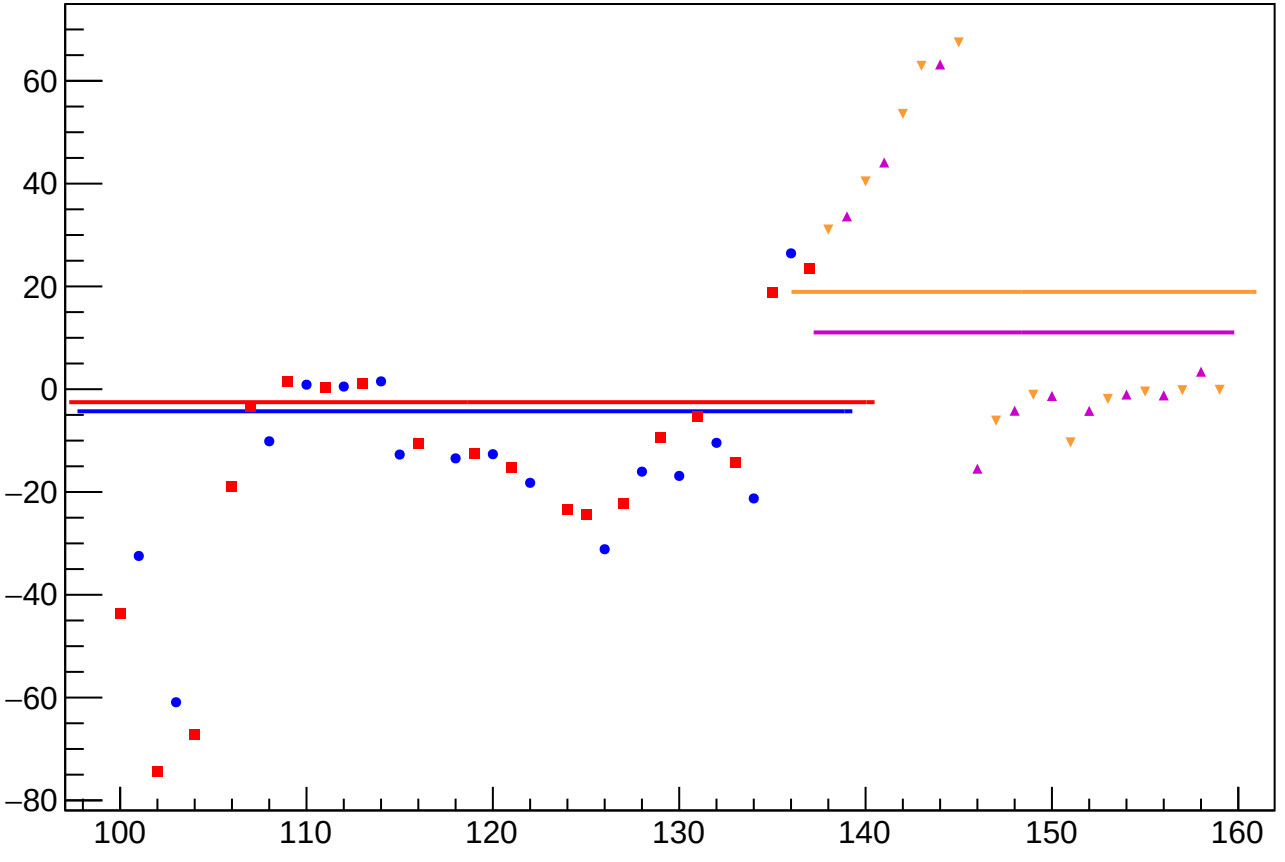
Left In: -0.111+/-0.002 χ^2/NDF:2900.6/9

+ sign -0.198+/-0.002 χ^2/NDF: 15235.8/27

All: -0.157+/-0.002 χ^2/NDF: 34328.3/56

- sign -0.126+/-0.002 χ^2/NDF: 18534.0/28

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

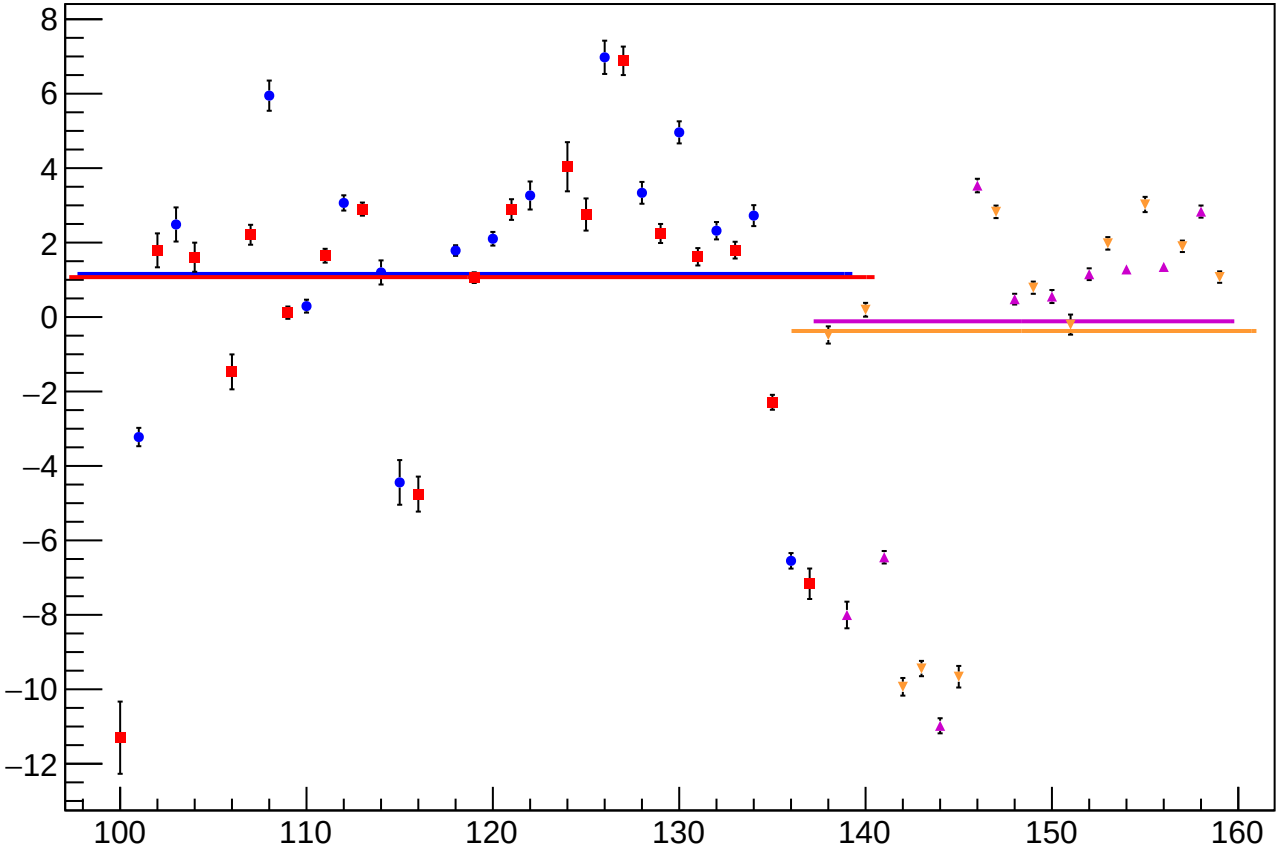
Left In: 11.046+/-0.070 χ^2/NDF:97207.6/9

+ sign 3.643+/-0.045 χ^2/NDF: 239272.8/27

All: 2.524+/-0.030 χ^2/NDF: 443023.8/56

- sign 1.681+/-0.039 χ^2/NDF: 202677.3/28

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

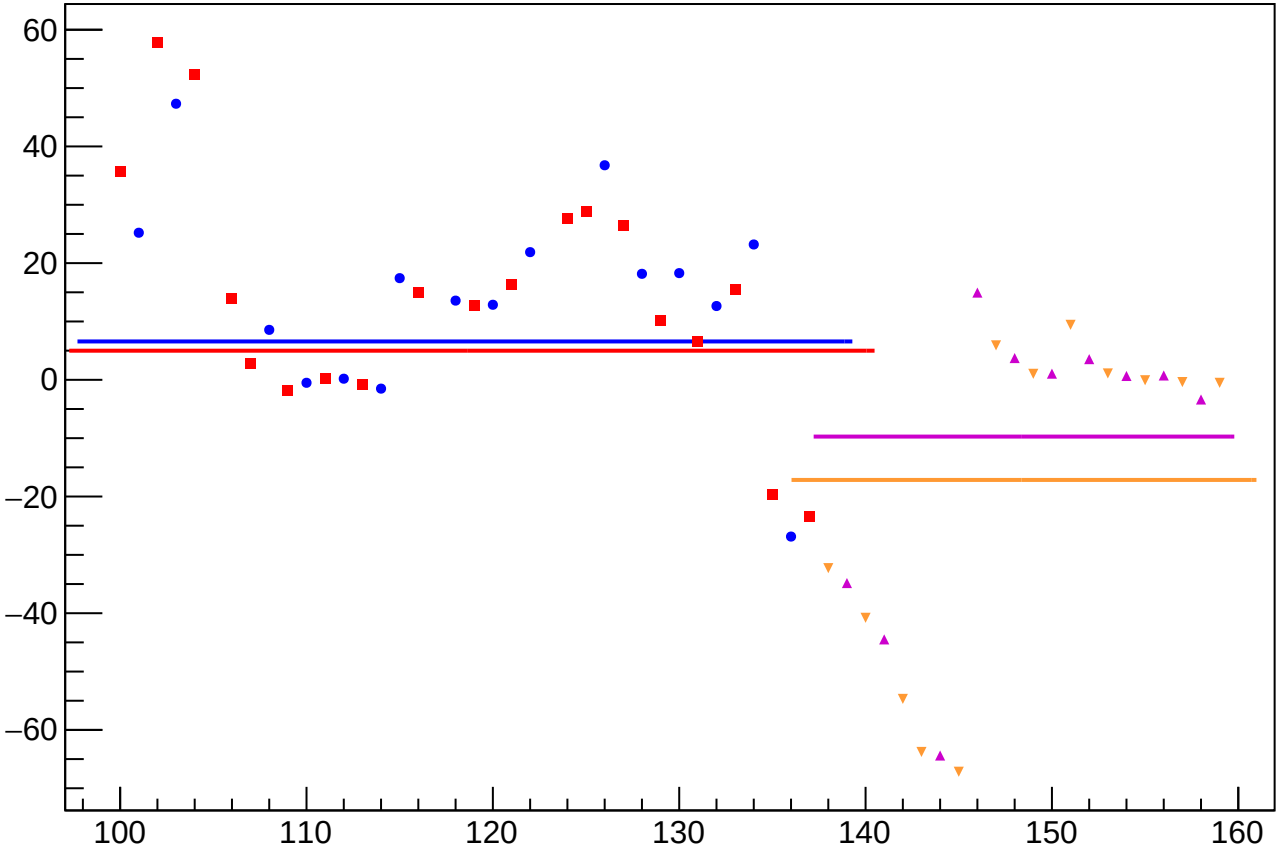
Left In: -0.115+/-0.049 χ^2/NDF:5922.3/9

+ sign 0.306+/-0.041 χ^2/NDF: 8684.5/27

All: 0.344+/-0.028 χ^2/NDF: 16402.2/56

- sign 0.377+/-0.038 χ^2/NDF: 7716.2/28

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

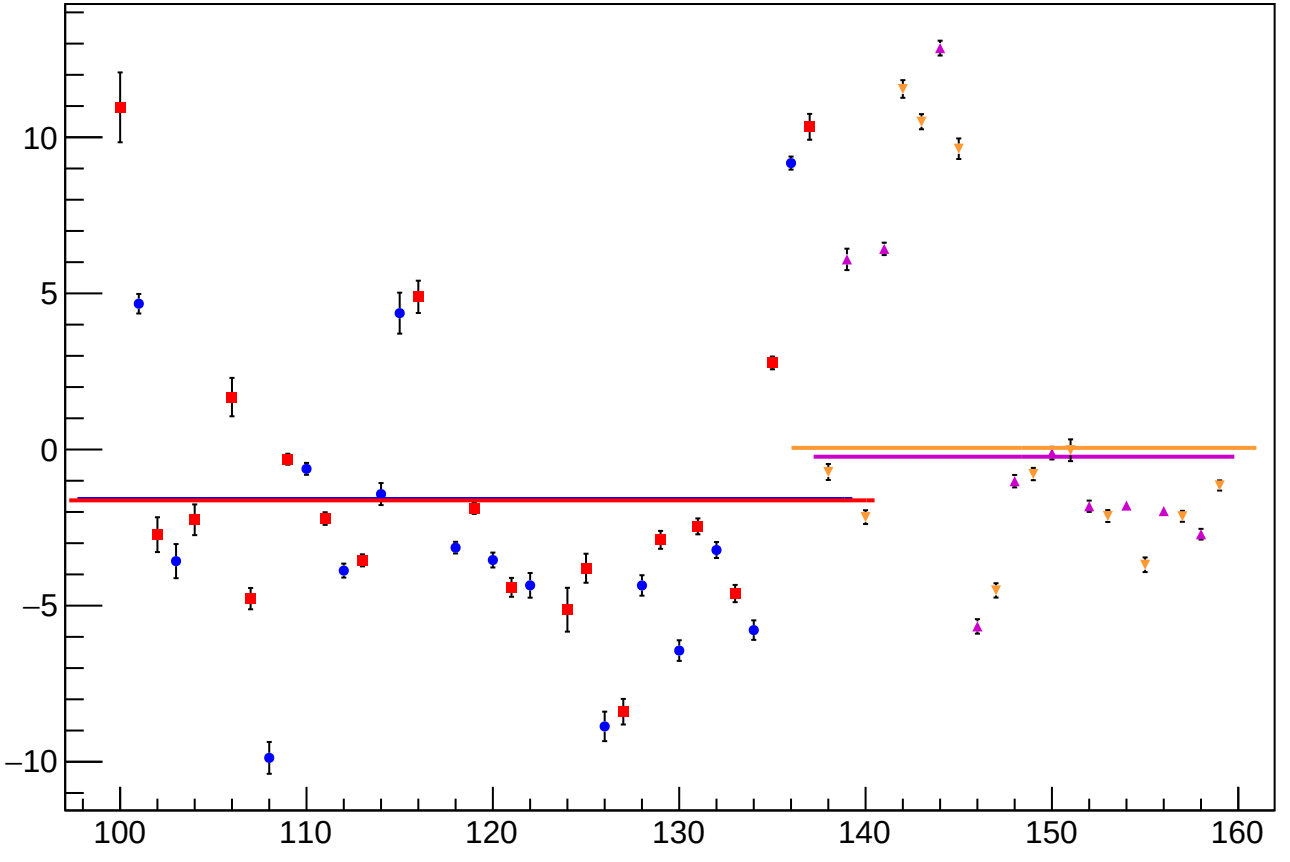
Left In: -9.727+/-0.067 χ^2/NDF:98240.3/9

+ sign -3.849+/-0.050 χ^2/NDF: 233648.0/27

All: -2.596+/-0.033 χ^2/NDF: 433962.0/56

- sign -1.569+/-0.045 χ^2/NDF: 199157.5/28

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

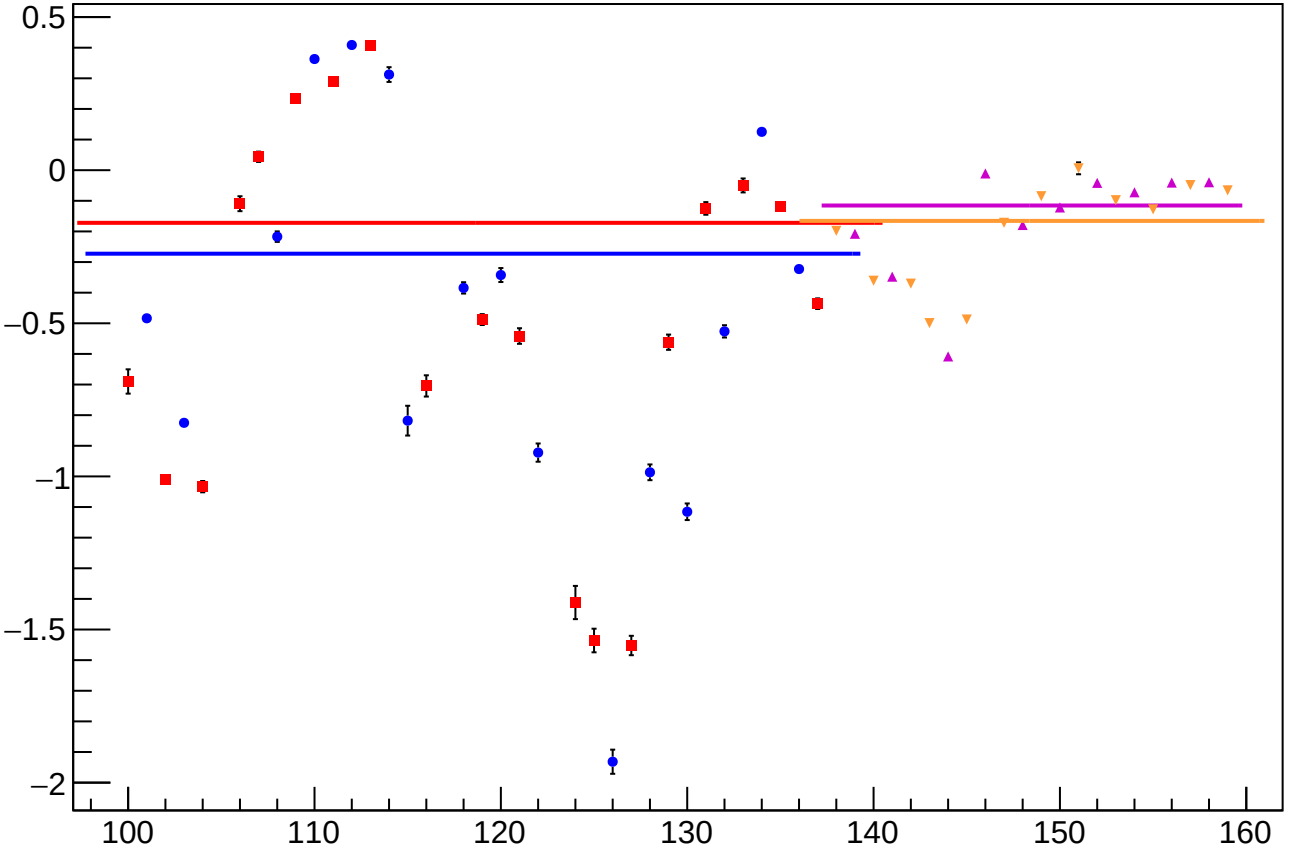
Left In: -0.230+/-0.057 χ^2/NDF:5673.2/9

+ sign -0.686+/-0.048 χ^2/NDF: 10242.7/27

All: -0.765+/-0.032 χ^2/NDF: 18600.4/56

- sign -0.830+/-0.043 χ^2/NDF: 8352.7/28

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

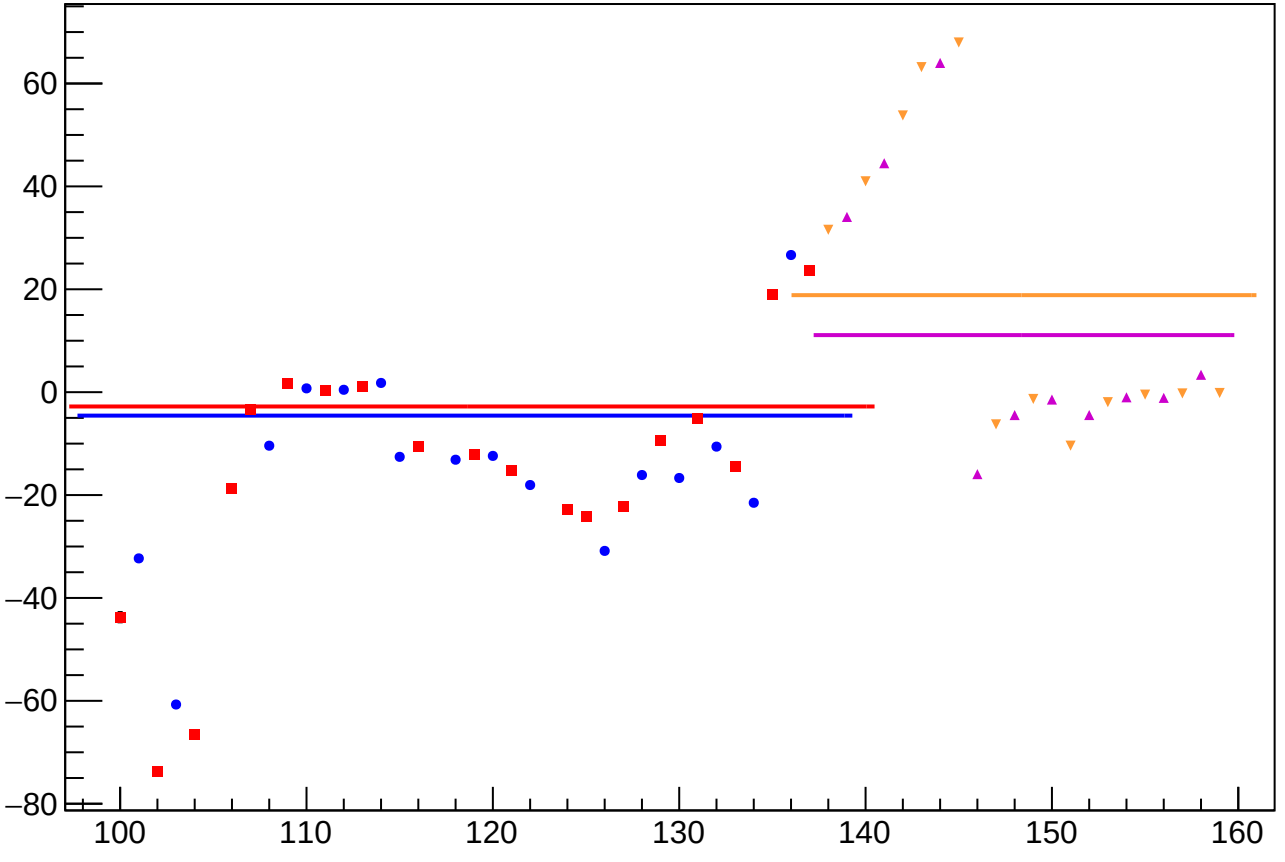
Left In: -0.115+/-0.002 χ^2/NDF:2850.4/9

+ sign -0.198+/-0.002 χ^2/NDF: 14932.2/27

All: -0.160+/-0.002 χ^2/NDF: 33729.3/56

- sign -0.131+/-0.002 χ^2/NDF: 18327.2/28

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

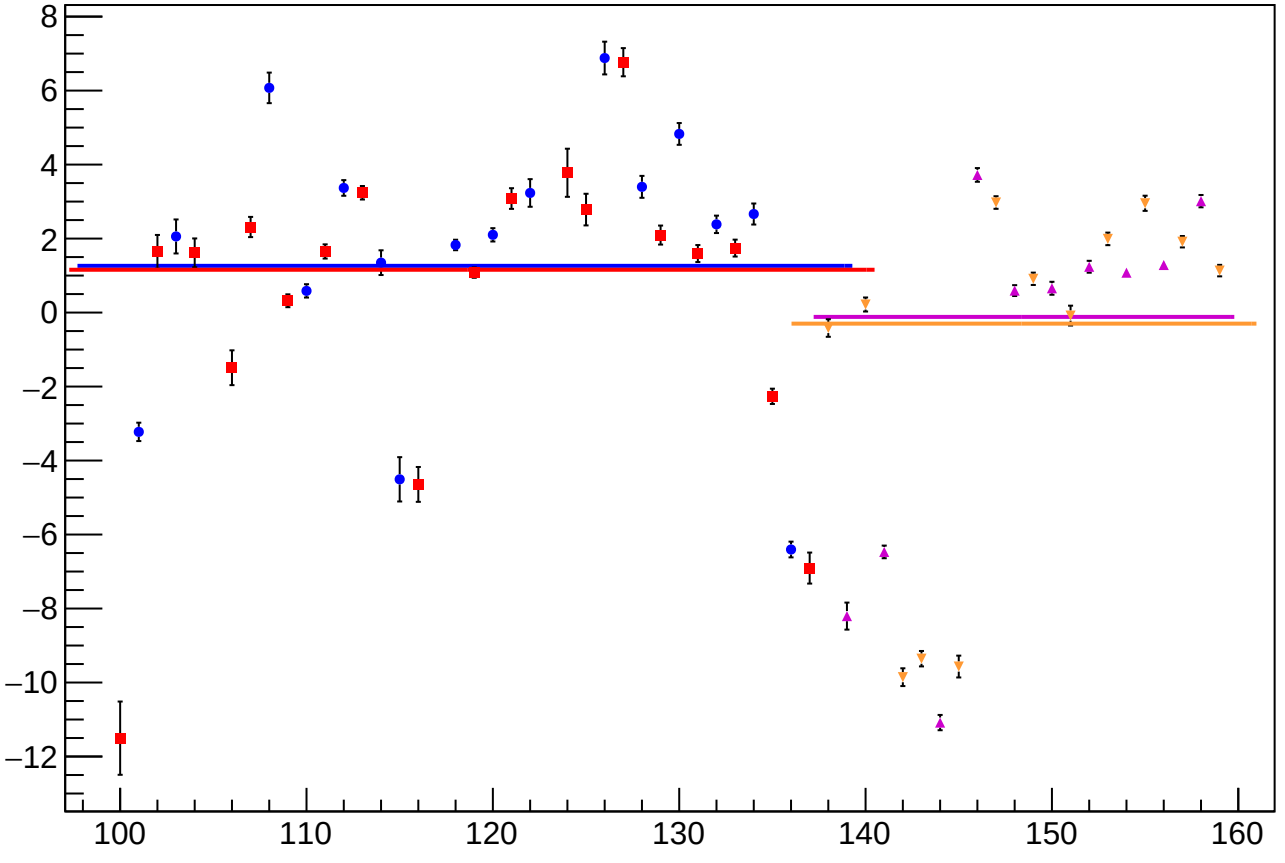
Left In: 11.094+/-0.072 χ^2/NDF:96157.2/9

+ sign 3.501+/-0.046 χ^2/NDF: 235932.2/27

All: 2.407+/-0.030 χ^2/NDF: 436654.2/56

- sign 1.573+/-0.040 χ^2/NDF: 199725.6/28

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

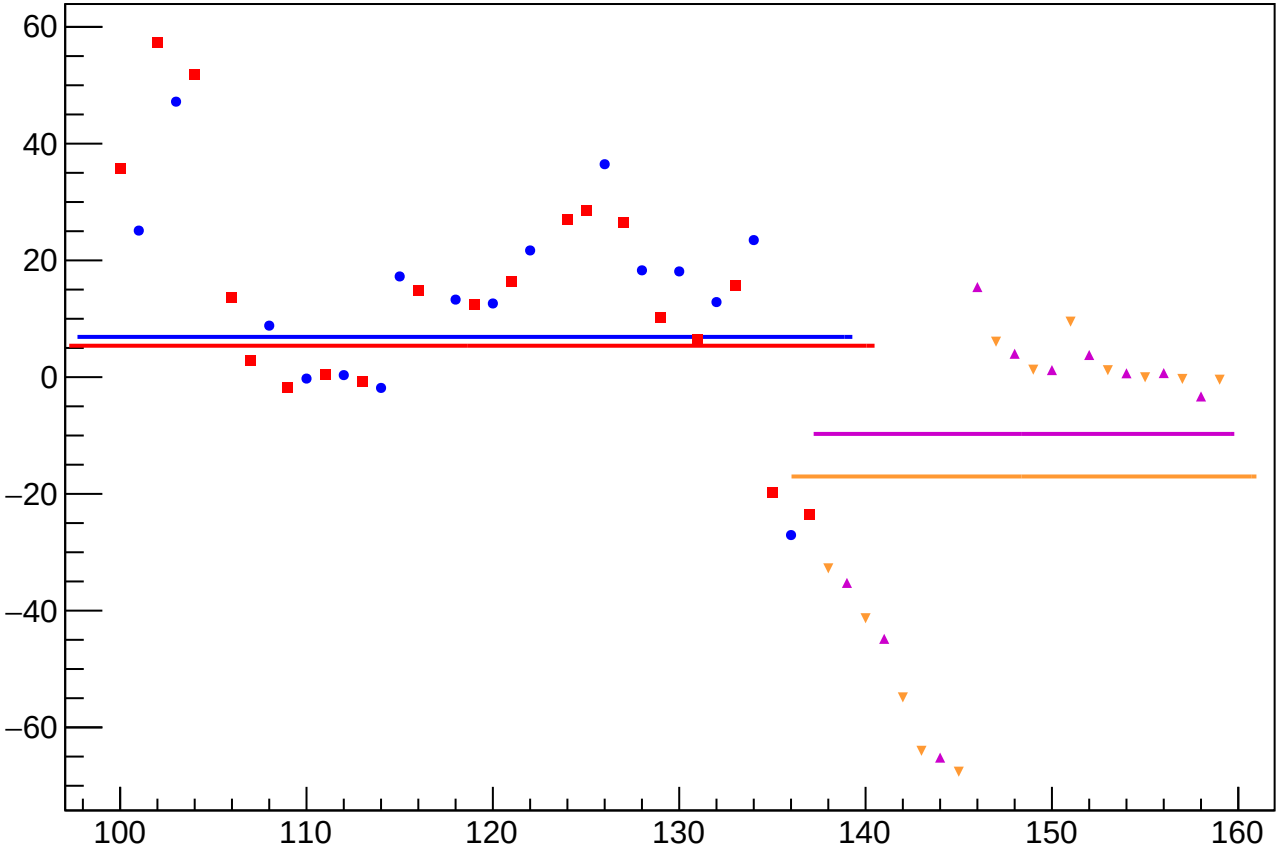
Left In: -0.117+/-0.050 χ^2/NDF:5835.9/9

+ sign 0.397+/-0.041 χ^2/NDF: 8404.9/27

All: 0.406+/-0.028 χ^2/NDF: 16002.8/56

- sign 0.413+/-0.038 χ^2/NDF: 7597.8/28

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

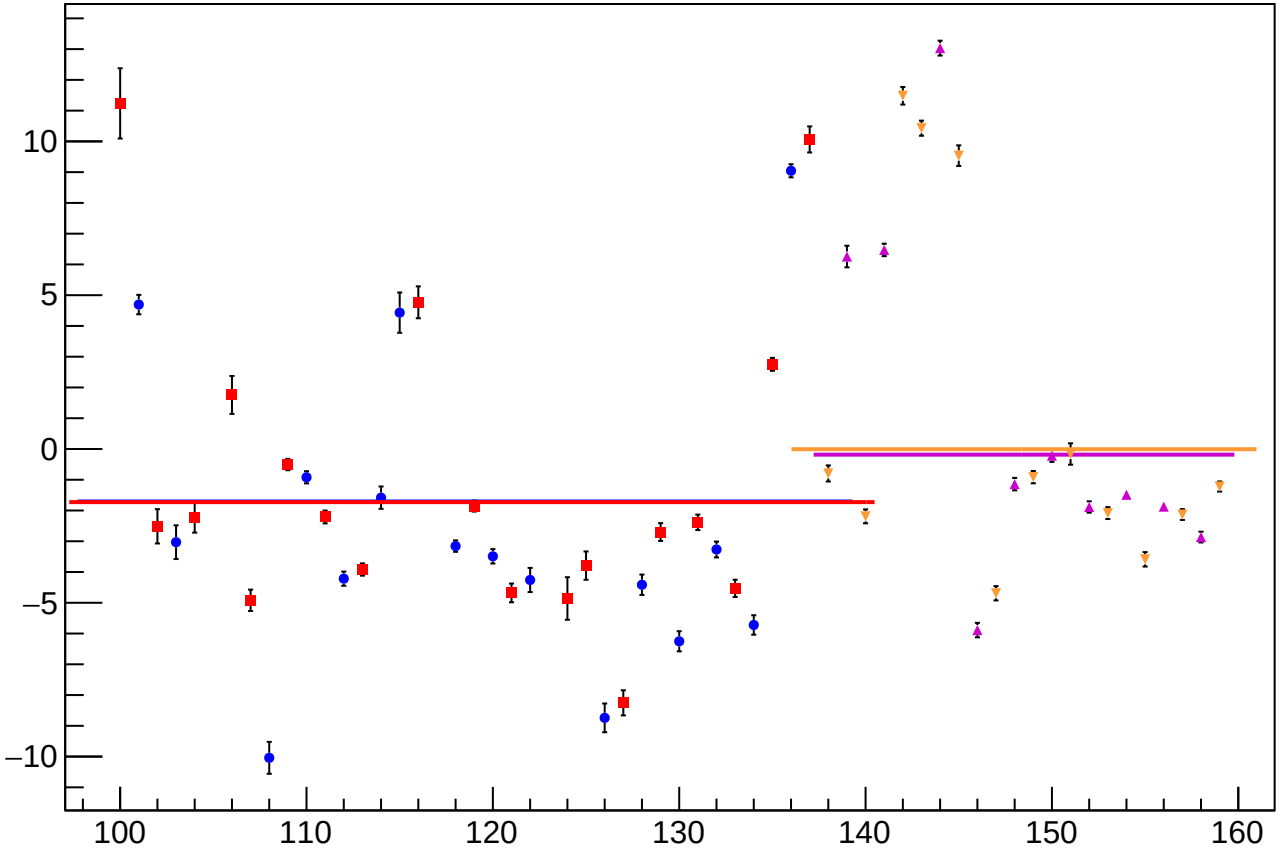
Left In: -9.725+/-0.069 χ^2/NDF:97142.2/9

+ sign -3.630+/-0.050 χ^2/NDF: 230280.1/27

All: -2.397+/-0.034 χ^2/NDF: 427569.1/56

- sign -1.375+/-0.046 χ^2/NDF: 196194.4/28

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

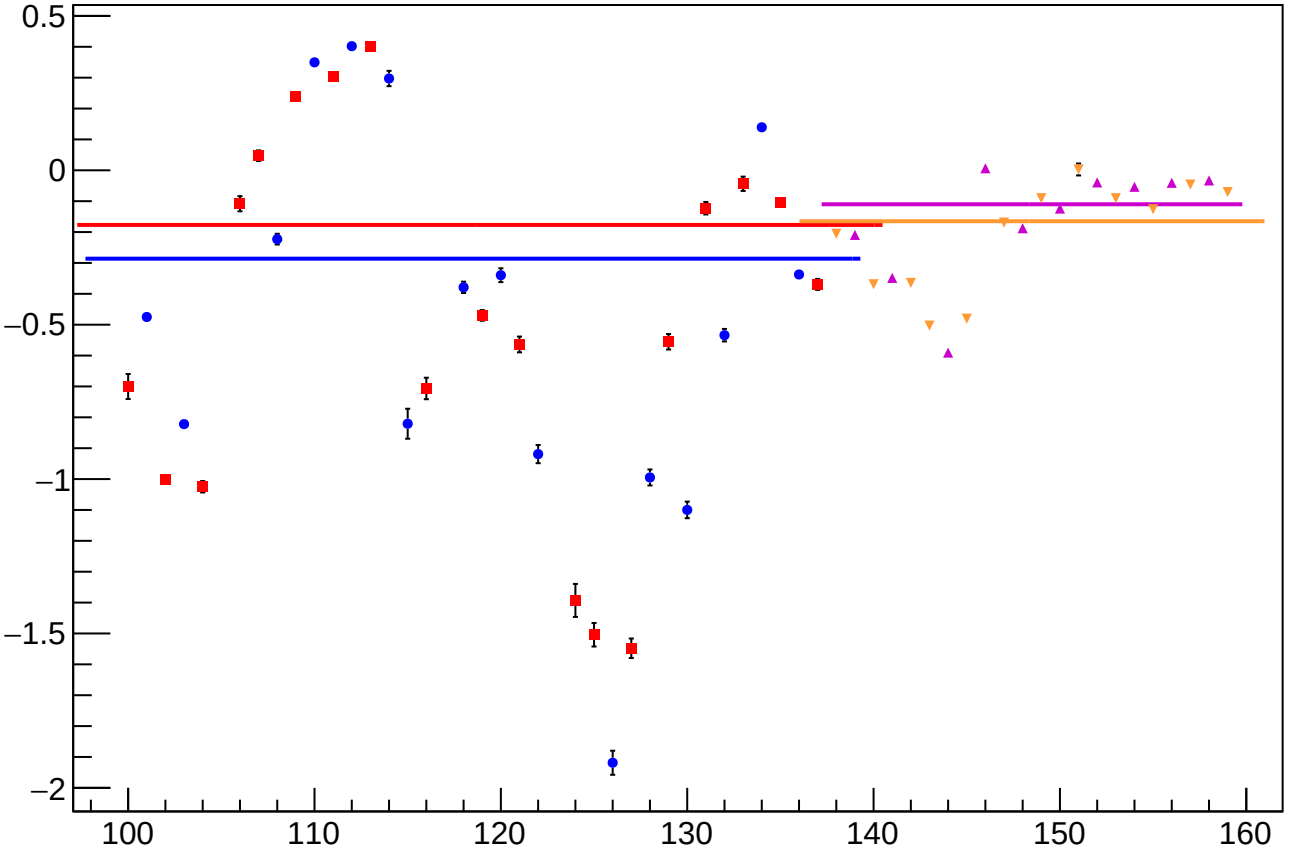
Left In: -0.184+/-0.058 χ^2/NDF:5590.2/9

+ sign -0.775+/-0.048 χ^2/NDF: 9904.3/27

All: -0.815+/-0.032 χ^2/NDF: 18108.8/56

- sign -0.849+/-0.044 χ^2/NDF: 8203.2/28

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

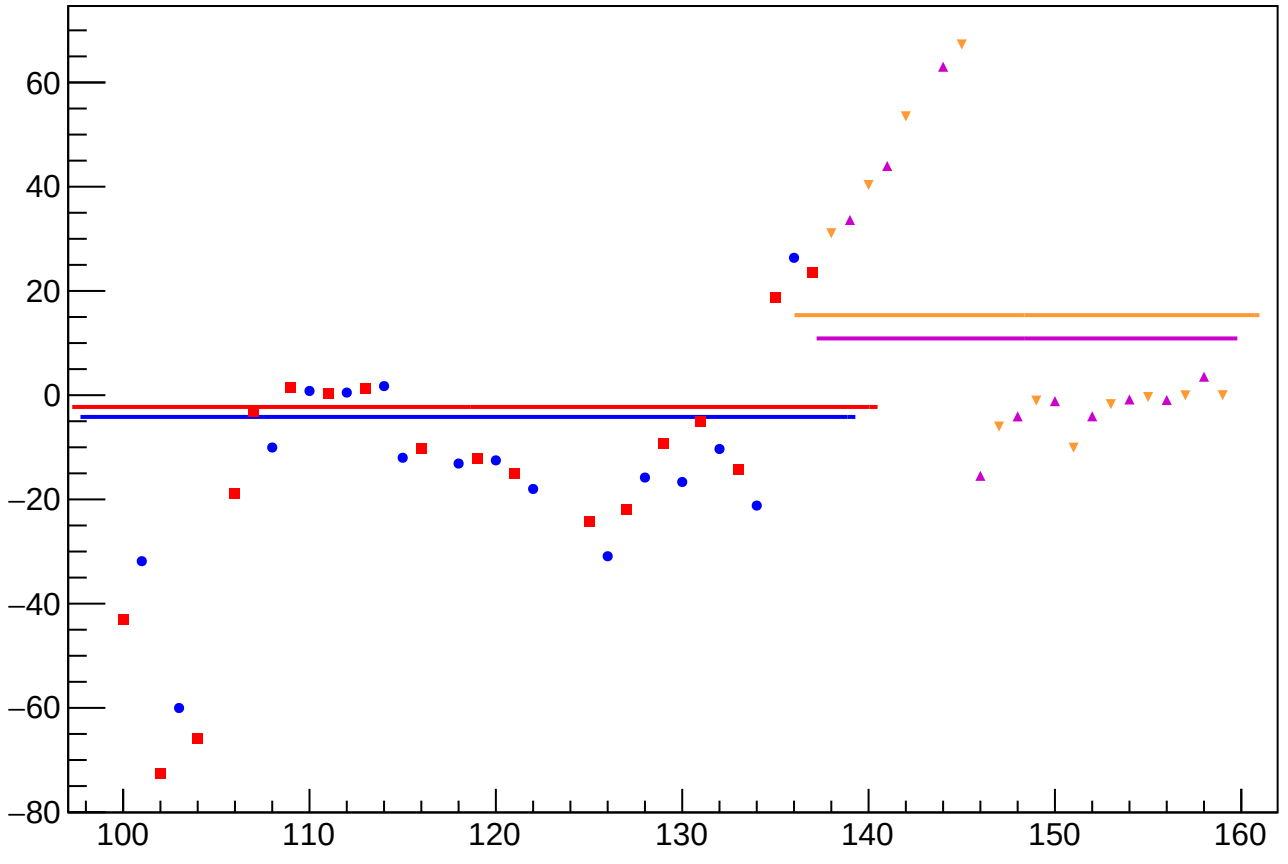
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.110+/-0.002 χ^2/NDF:2775.1/9

+ sign -0.202+/-0.002 χ^2/NDF: 14508.6/27

All: -0.161+/-0.002 χ^2/NDF: 32801.8/56

- sign -0.129+/-0.002 χ^2/NDF: 17750.5/28



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 15.358+/-0.079 χ^2/NDF:81712.7/10

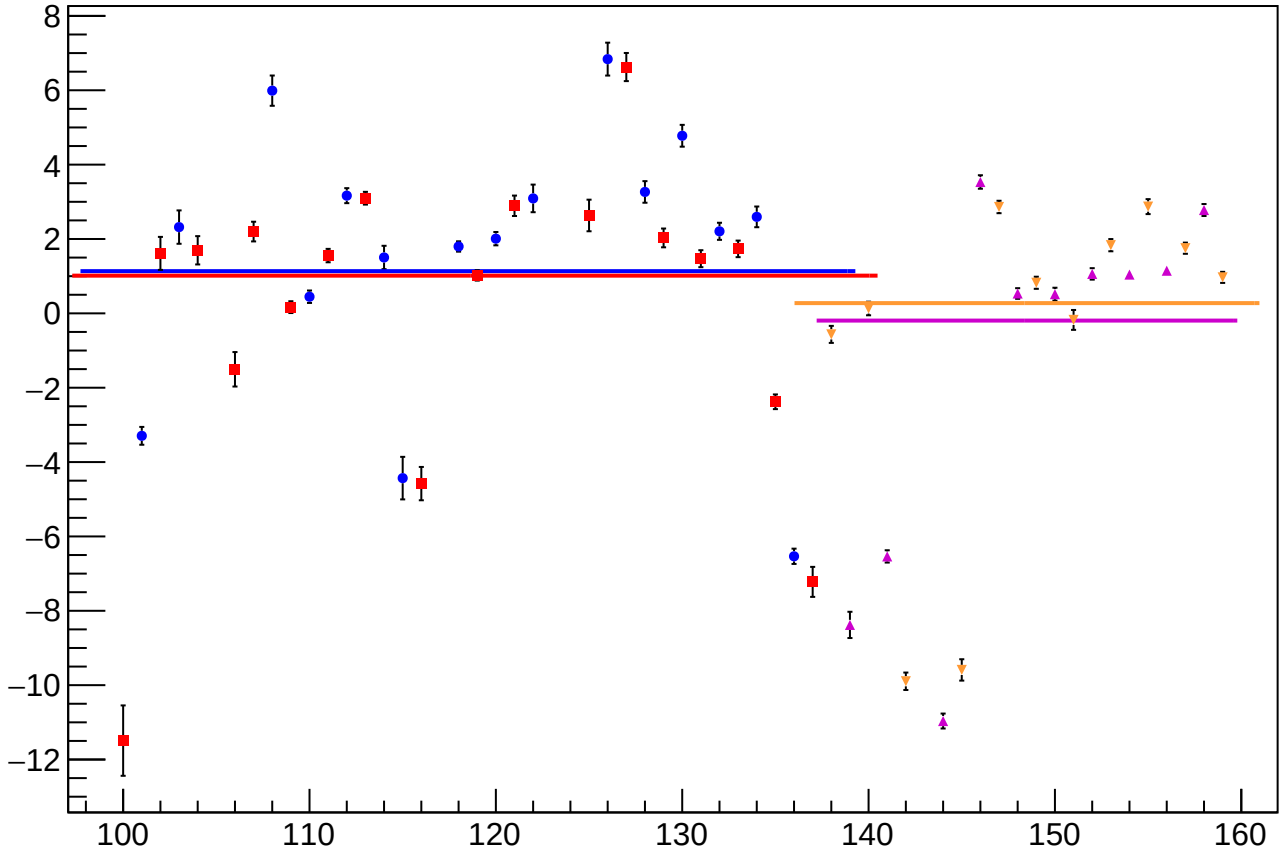
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 10.886+/-0.069 χ^2/NDF:99195.2/9

+ sign 2.116+/-0.045 χ^2/NDF: 198539.9/26

All: 1.937+/-0.029 χ^2/NDF: 402613.5/54

- sign 1.806+/-0.038 χ^2/NDF: 204045.8/27



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.275+/-0.056 χ^2/NDF:3704.7/10

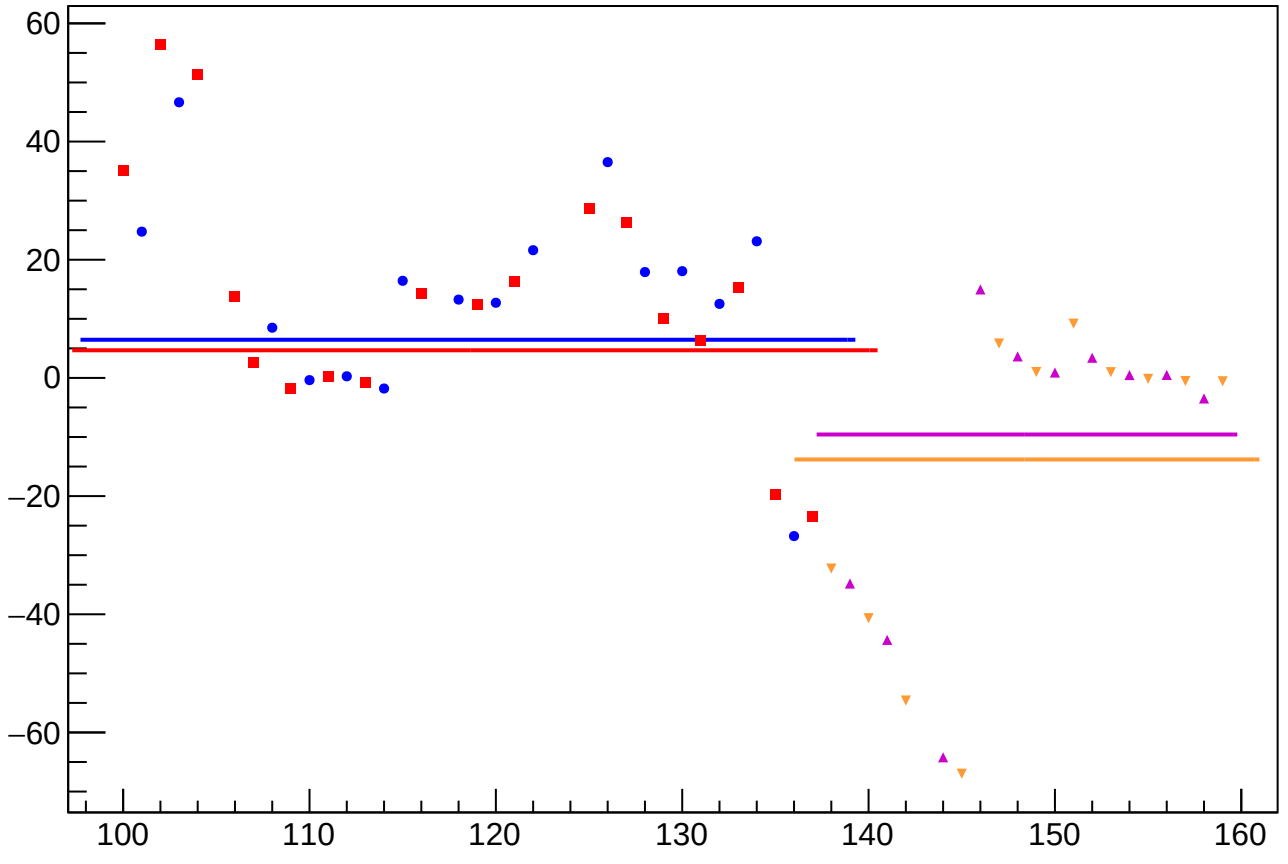
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -0.194+/-0.048 χ^2/NDF:6042.7/9

+ sign 0.675+/-0.041 χ^2/NDF: 6409.6/26

All: 0.468+/-0.027 χ^2/NDF: 14353.6/54

- sign 0.303+/-0.037 χ^2/NDF: 7898.3/27



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -13.800+/-0.076 χ^2/NDF:82467.9/10

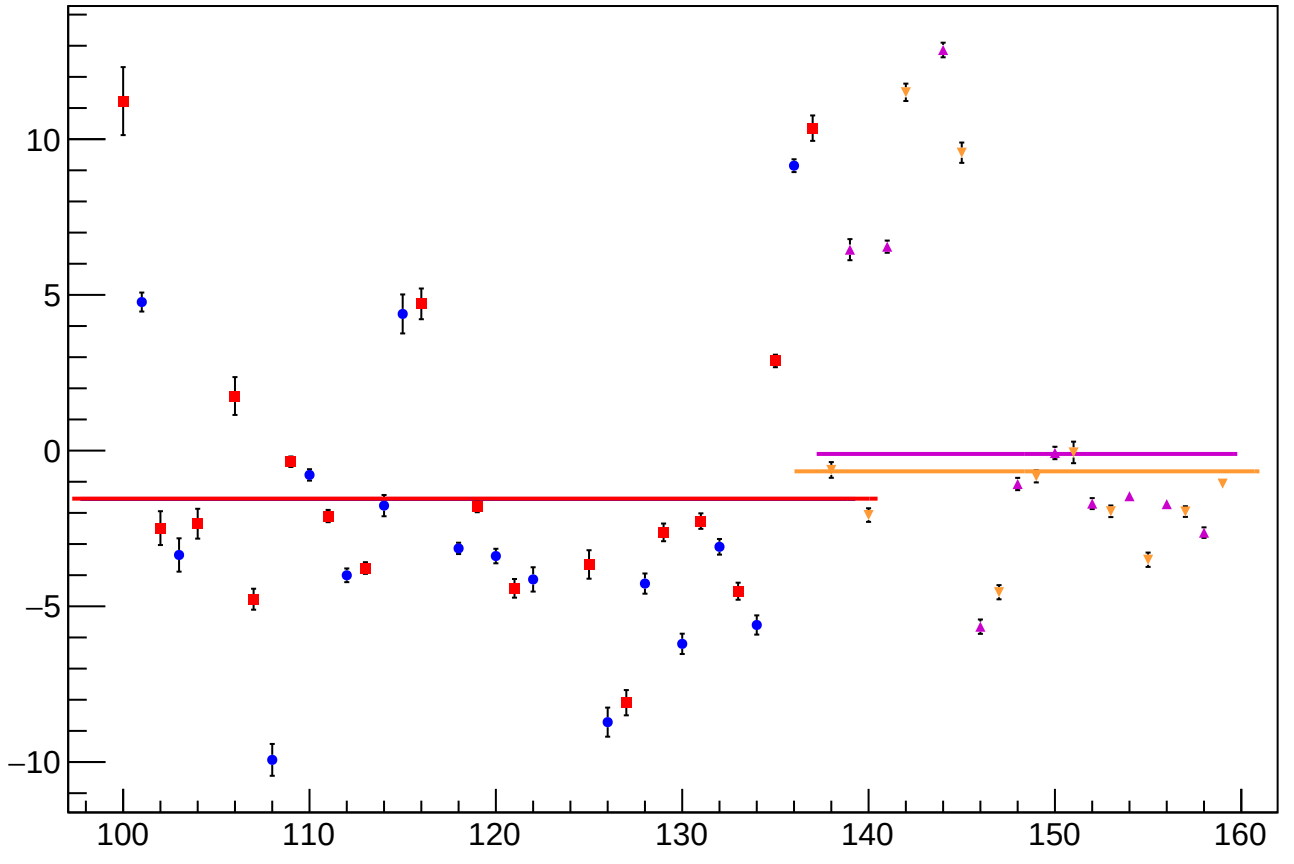
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -9.576+/-0.066 χ^2/NDF:100216.0/9

+ sign -2.064+/-0.049 χ^2/NDF: 194171.2/26

All: -1.858+/-0.033 χ^2/NDF: 394846.4/54

- sign -1.696+/-0.044 χ^2/NDF: 200644.2/27



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -0.665+/-0.065 χ^2/NDF:3482.4/10

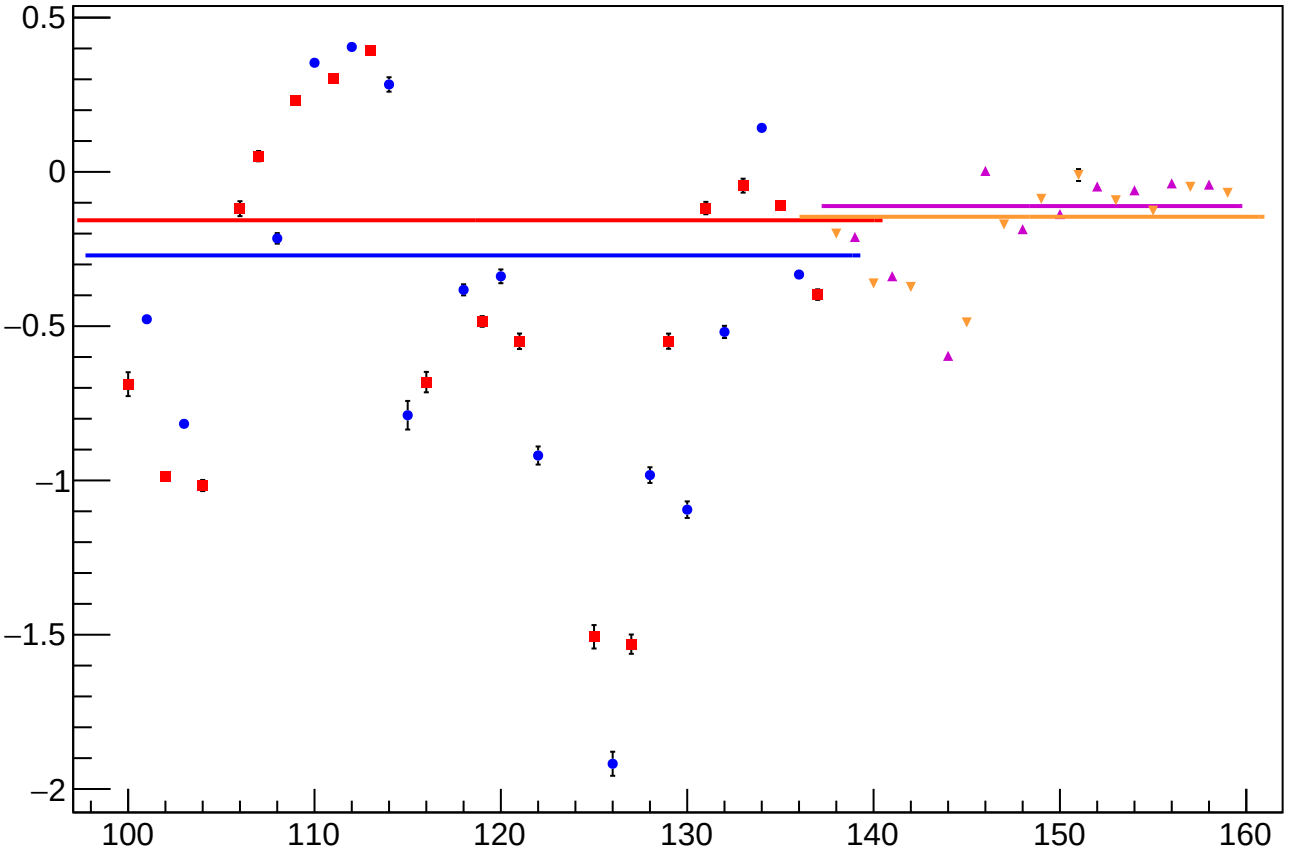
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.107+/-0.056 χ^2/NDF:5768.3/9

+ sign -1.083+/-0.048 χ^2/NDF: 8112.6/26

All: -0.879+/-0.032 χ^2/NDF: 16670.1/54

- sign -0.720+/-0.042 χ^2/NDF: 8524.9/27



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.145+/-0.003 χ^2/NDF:1863.3/10

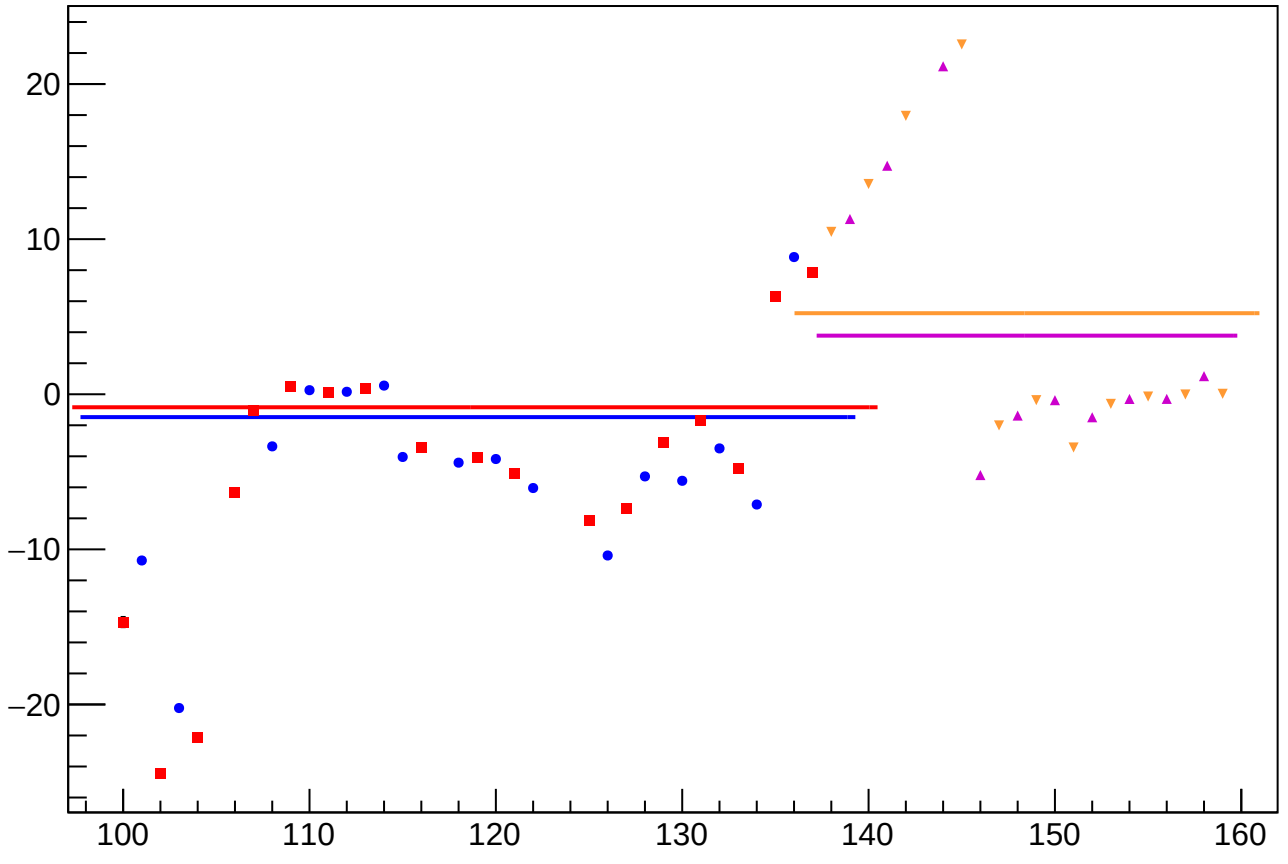
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.111+/-0.002 χ^2/NDF:2907.7/9

+ sign -0.185+/-0.002 χ^2/NDF: 14584.2/26

All: -0.149+/-0.002 χ^2/NDF: 33022.8/54

- sign -0.123+/-0.002 χ^2/NDF: 18033.3/27



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

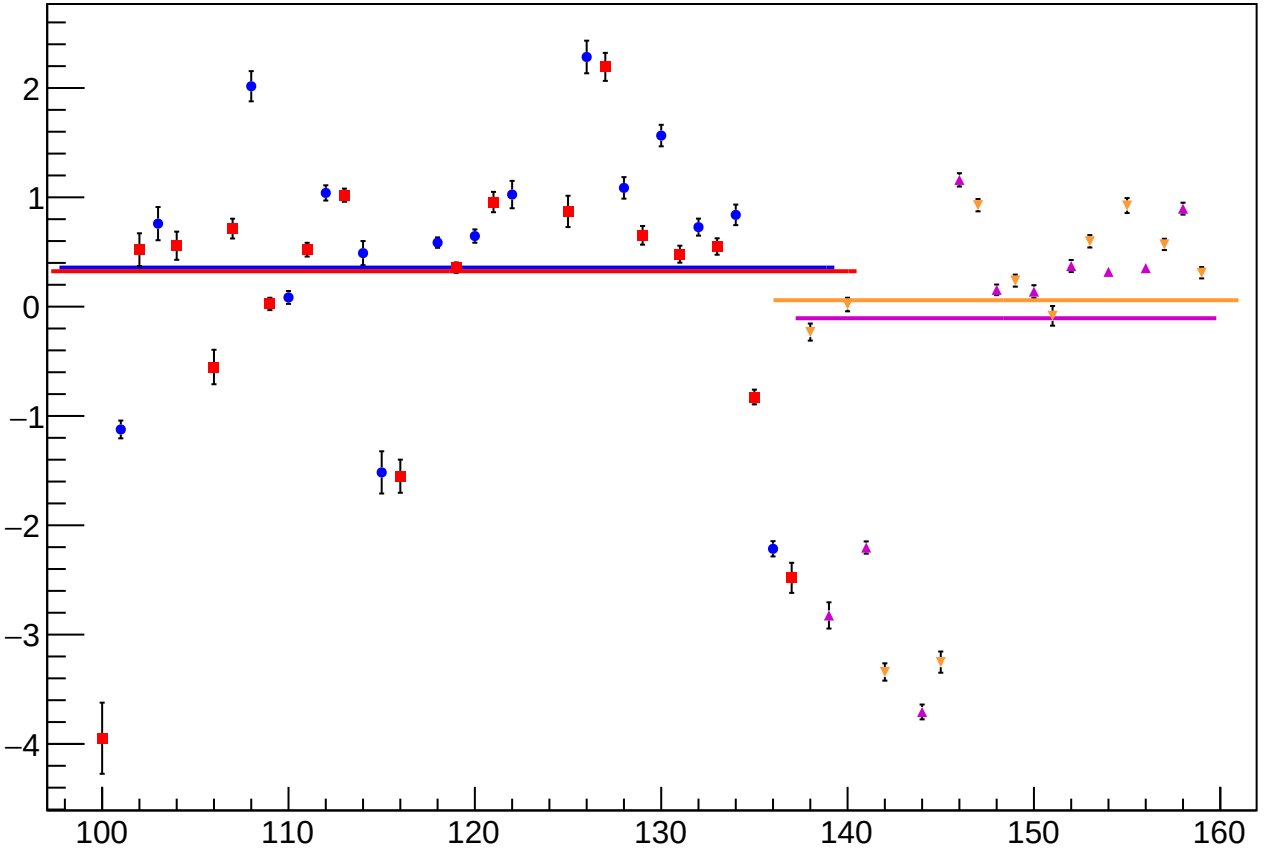
Left In: 3.779+/-0.024 χ^2/NDF:96487.4/9

+ sign 0.706+/-0.015 χ^2/NDF: 195292.3/26

All: 0.651+/-0.010 χ^2/NDF: 395829.2/54

- sign 0.609+/-0.013 χ^2/NDF: 200514.4/27

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.059+/-0.019 χ^2/NDF:3644.8/10

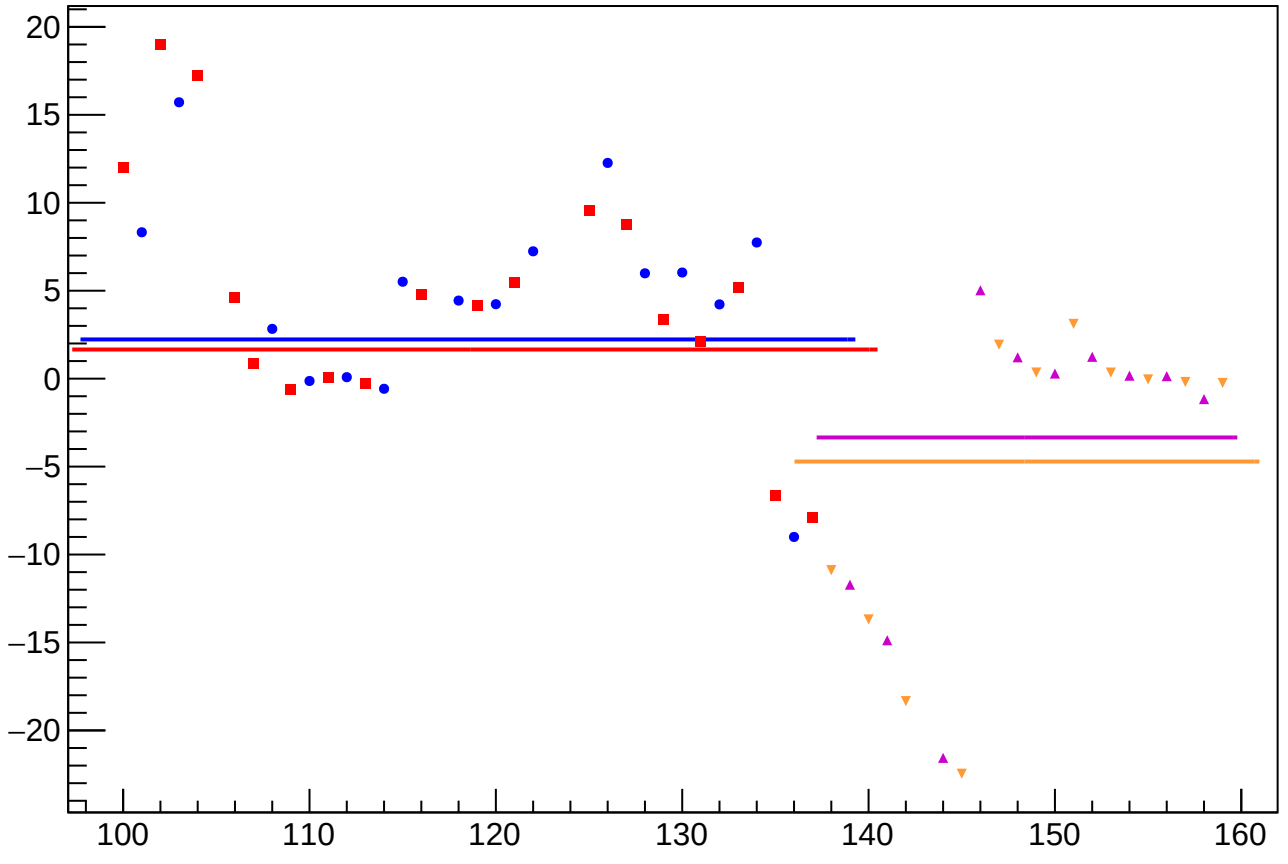
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.106+/-0.017 χ^2/NDF:5884.7/9

+ sign 0.197+/-0.014 χ^2/NDF: 6300.5/26

All: 0.128+/-0.009 χ^2/NDF: 14068.4/54

- sign 0.071+/-0.013 χ^2/NDF: 7723.3/27



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -4.712+/-0.026 χ^2/NDF:80773.9/10

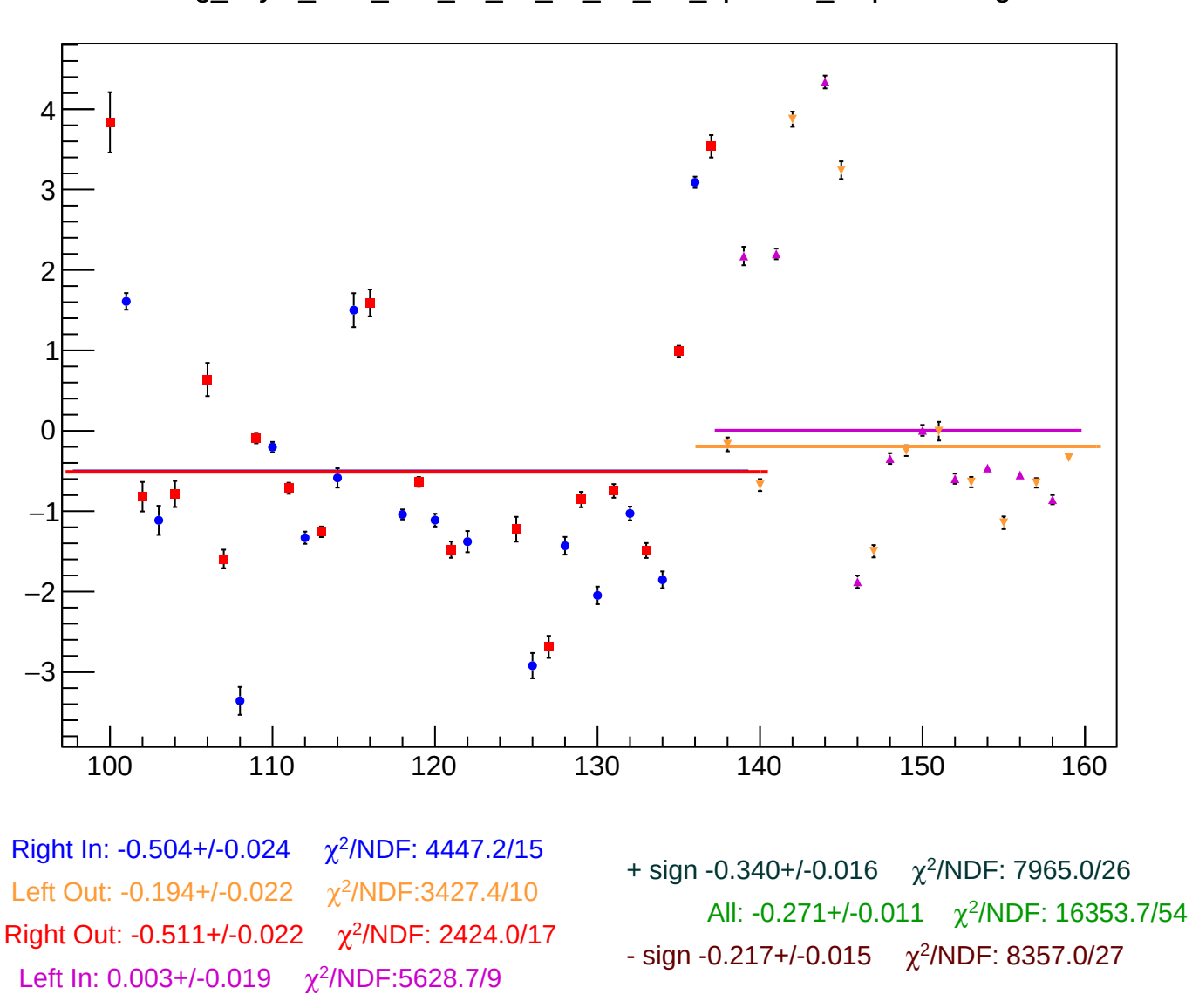
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

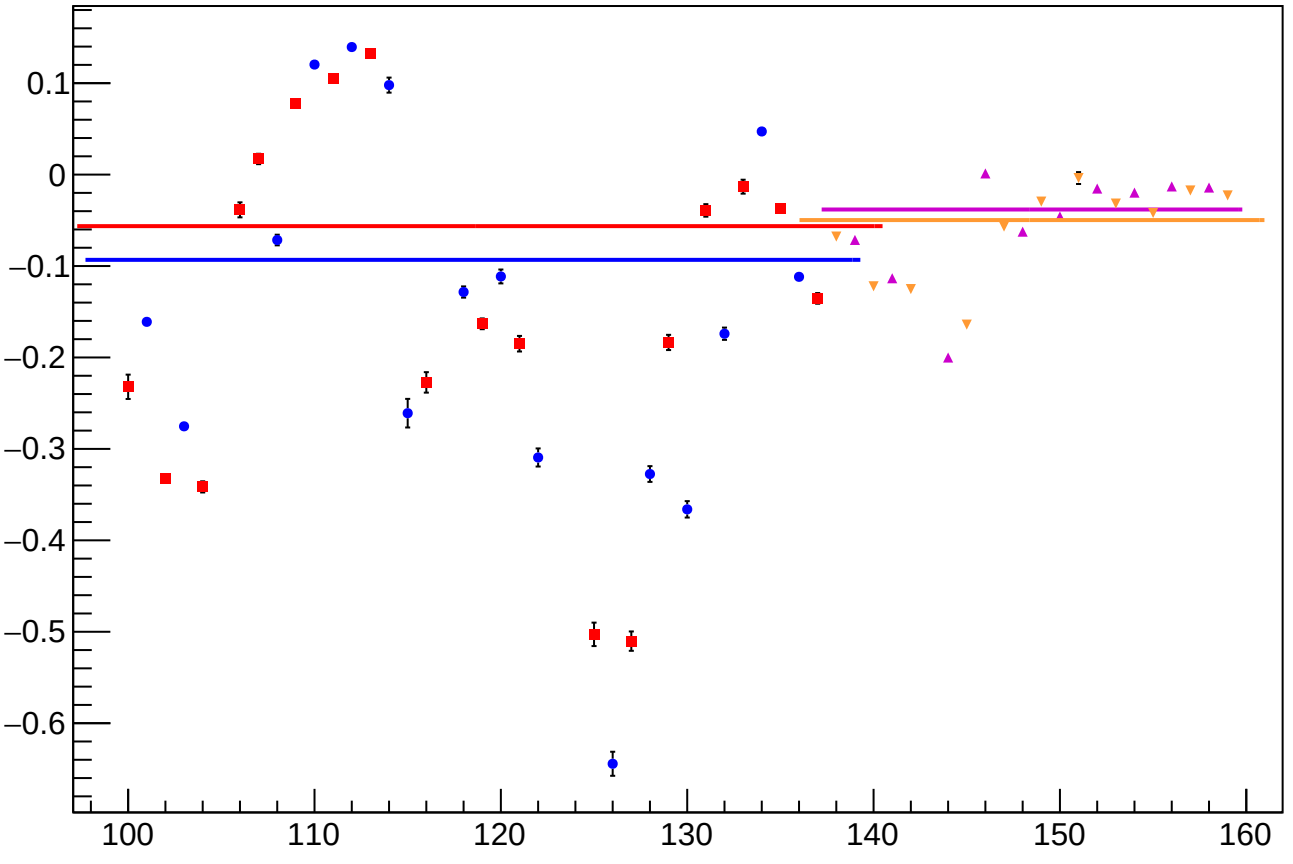
Left In: -3.344+/-0.023 χ^2/NDF:97630.5/9

+ sign -0.700+/-0.017 χ^2/NDF: 191010.1/26

All: -0.637+/-0.011 χ^2/NDF: 388280.5/54

- sign -0.585+/-0.015 χ^2/NDF: 197244.8/27


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.504+/-0.024 χ²/NDF: 4447.2/15
Left Out: -0.194+/-0.022 χ²/NDF:3427.4/10
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: 0.003+/-0.019 χ²/NDF:5628.7/9
+ sign -0.340+/-0.016 χ²/NDF: 7965.0/26
All: -0.271+/-0.011 χ²/NDF: 16353.7/54
- sign -0.217+/-0.015 χ²/NDF: 8357.0/27



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.050+/-0.001 χ^2/NDF:1817.3/10

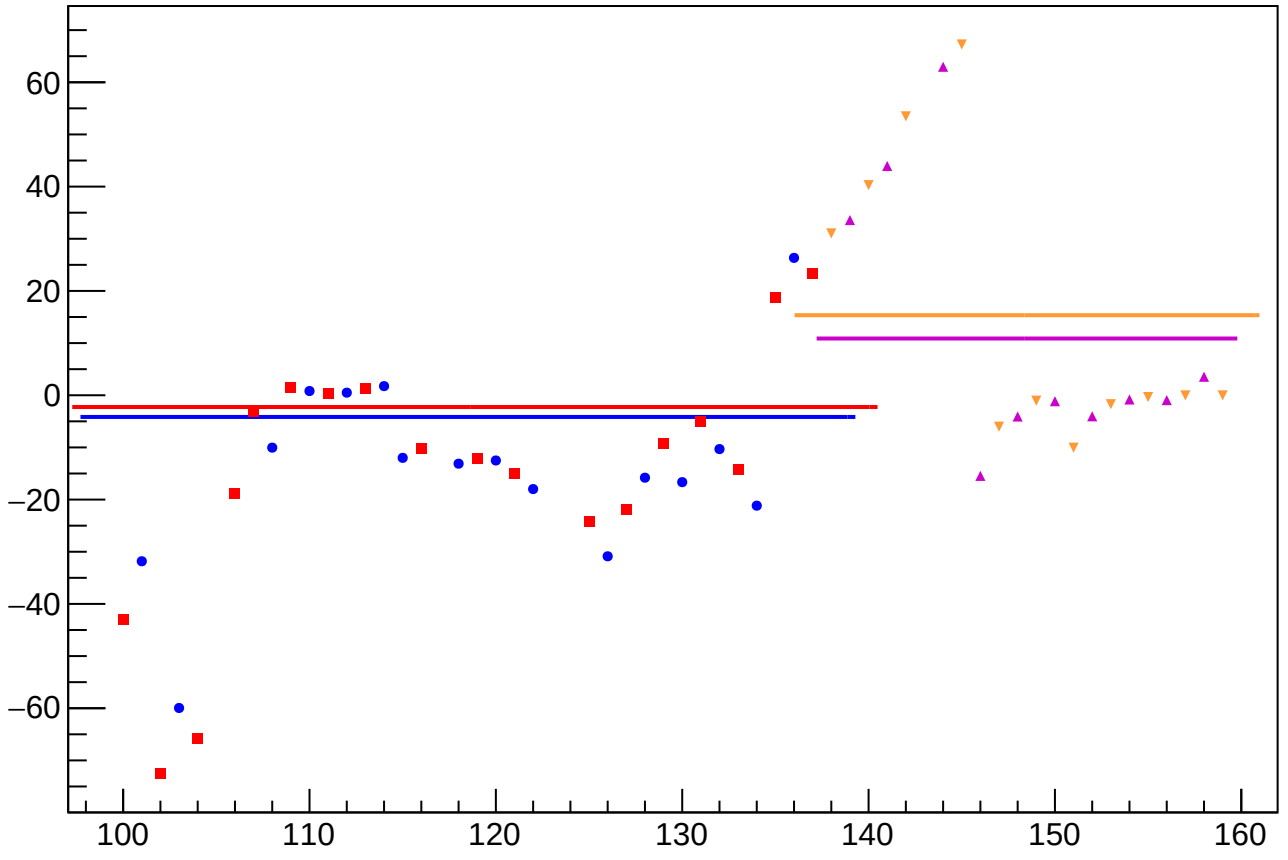
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.038+/-0.001 χ^2/NDF:2828.9/9

+ sign -0.064+/-0.001 χ^2/NDF: 14205.2/26

All: -0.052+/-0.001 χ^2/NDF: 32004.8/54

- sign -0.043+/-0.001 χ^2/NDF: 17426.4/27



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 15.347+/-0.079 χ^2/NDF:81707.8/10

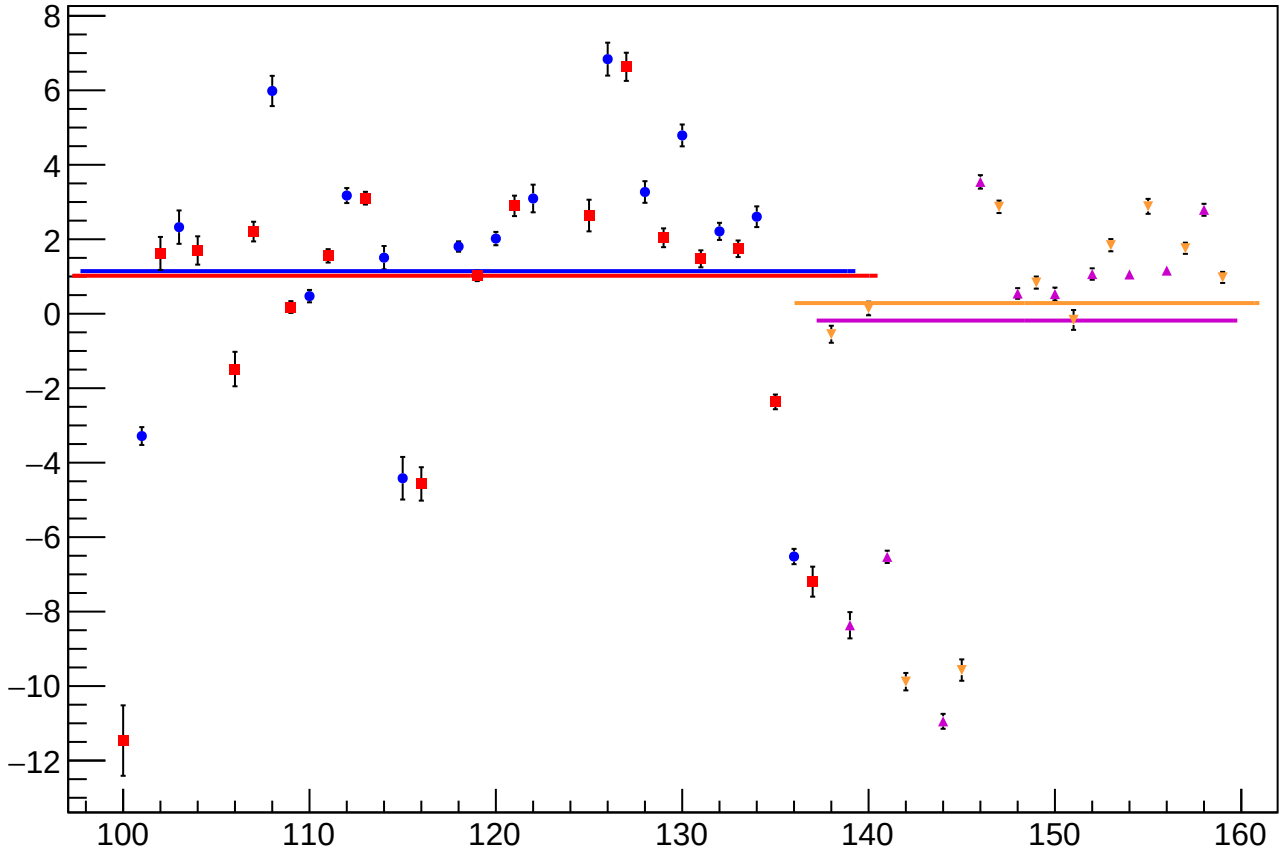
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 10.878+/-0.069 χ^2/NDF:99210.1/9

+ sign 2.118+/-0.045 χ^2/NDF: 198536.8/26

All: 1.938+/-0.029 χ^2/NDF: 402626.9/54

- sign 1.806+/-0.038 χ^2/NDF: 204062.0/27



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.286+/-0.056 χ^2/NDF:3705.4/10

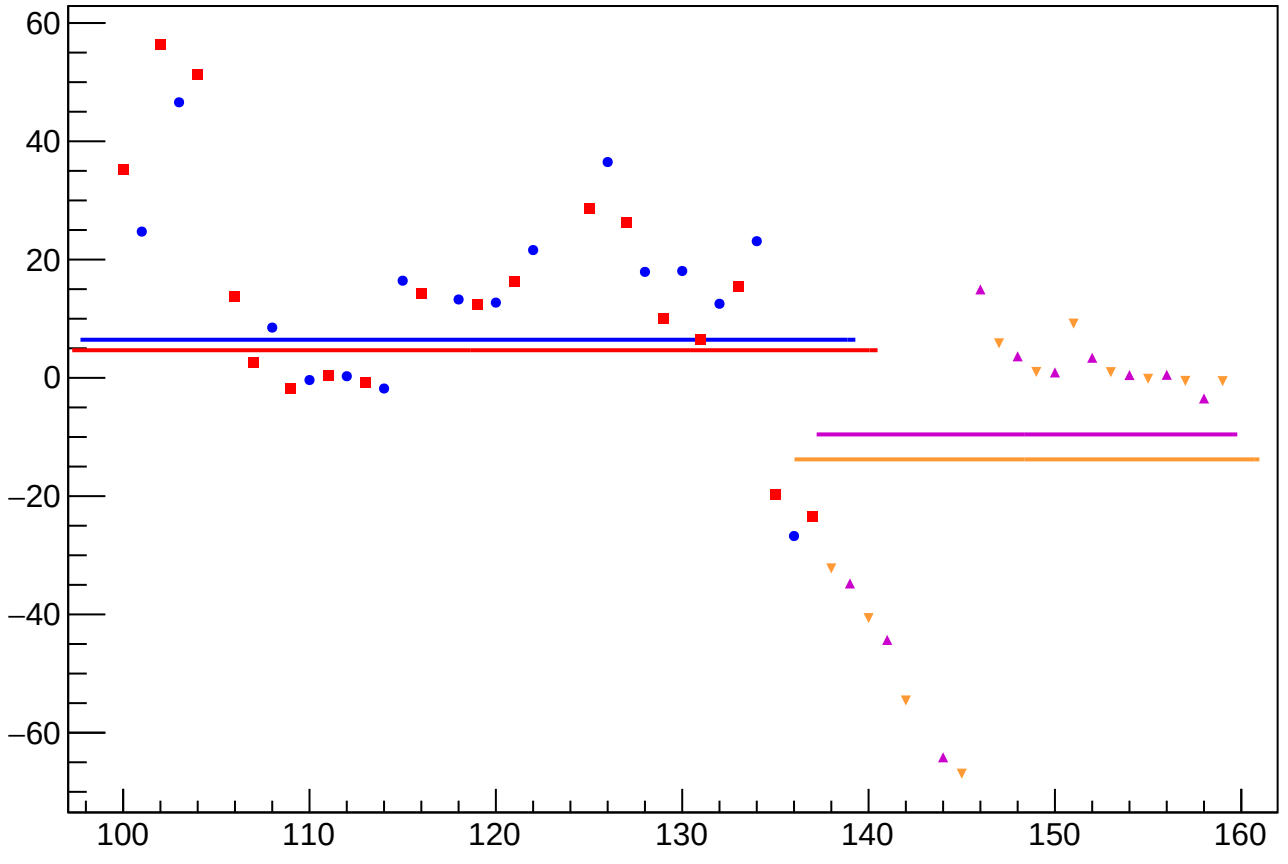
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -0.183+/-0.048 χ^2/NDF:6047.7/9

+ sign 0.685+/-0.041 χ^2/NDF: 6409.6/26

All: 0.478+/-0.027 χ^2/NDF: 14355.7/54

- sign 0.312+/-0.037 χ^2/NDF: 7900.2/27



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -13.784+/-0.076 χ^2/NDF:82461.0/10

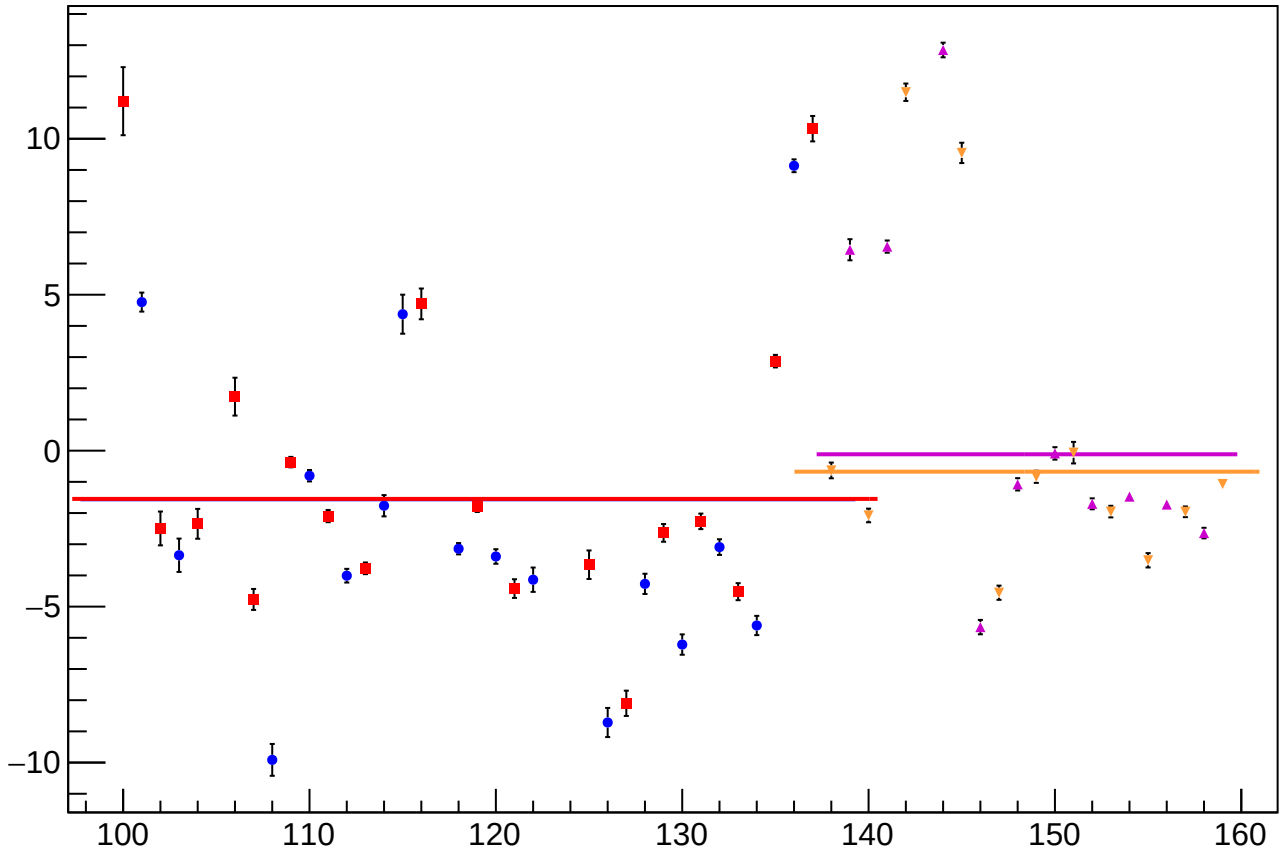
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -9.563+/-0.066 χ^2/NDF:100228.8/9

+ sign -2.061+/-0.049 χ^2/NDF: 194163.6/26

All: -1.854+/-0.033 χ^2/NDF: 394846.4/54

- sign -1.690+/-0.044 χ^2/NDF: 200651.3/27



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -0.674+/-0.065 χ^2/NDF:3482.9/10

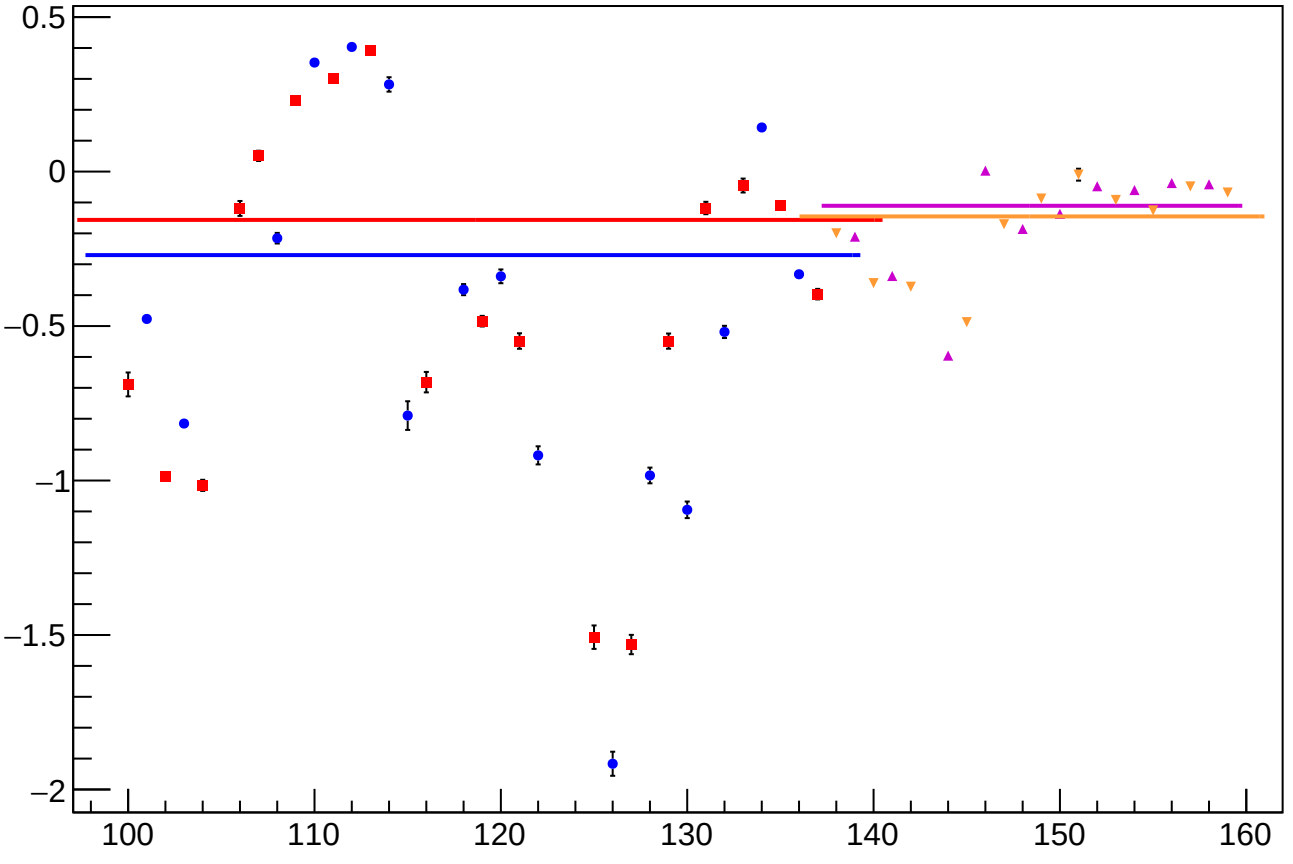
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.116+/-0.056 χ^2/NDF:5772.1/9

+ sign -1.090+/-0.048 χ^2/NDF: 8112.4/26

All: -0.887+/-0.032 χ^2/NDF: 16669.5/54

- sign -0.726+/-0.042 χ^2/NDF: 8524.3/27



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.145+/-0.003 χ^2/NDF:1864.5/10

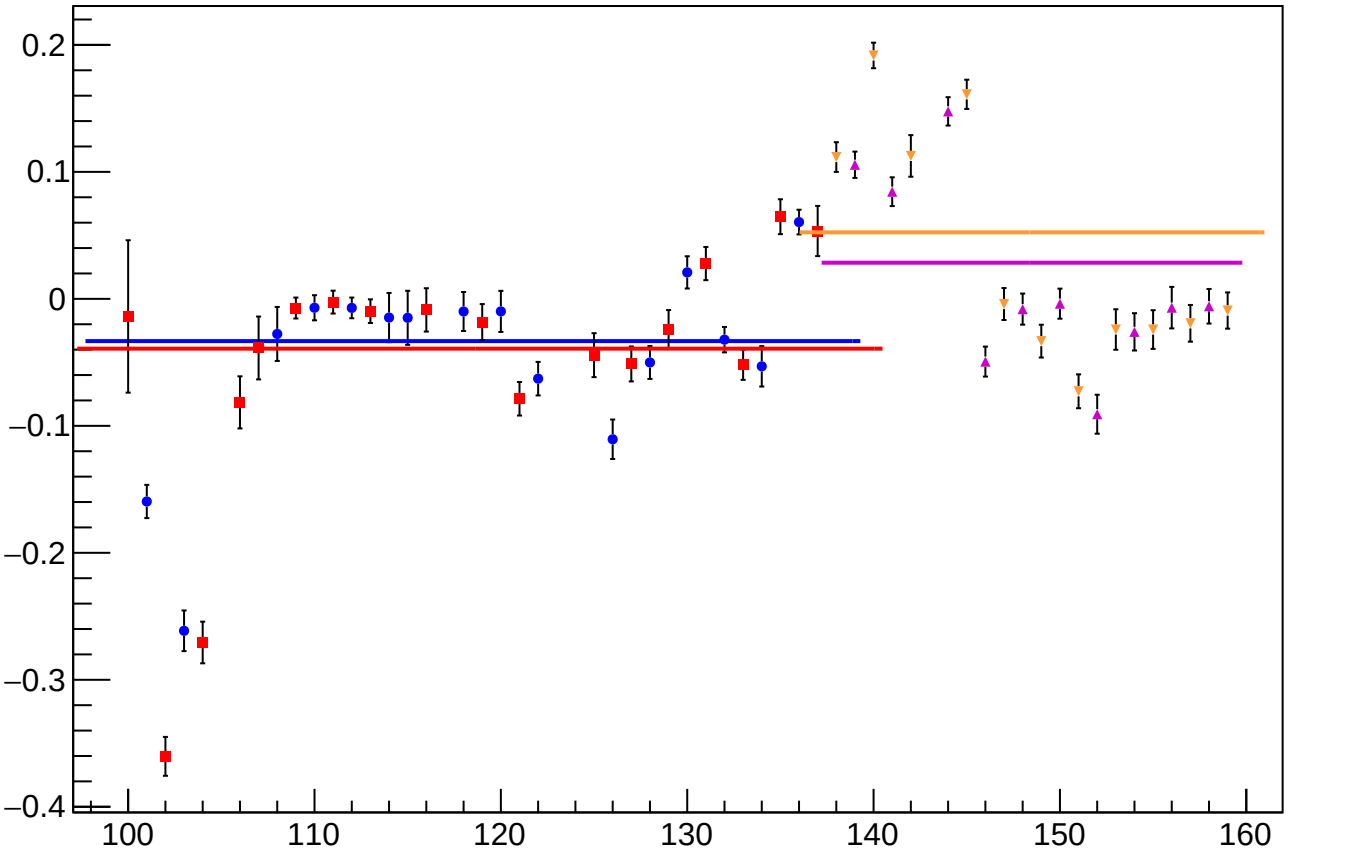
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.111+/-0.002 χ^2/NDF:2907.9/9

+ sign -0.185+/-0.002 χ^2/NDF: 14586.8/26

All: -0.149+/-0.002 χ^2/NDF: 33034.5/54

- sign -0.123+/-0.002 χ^2/NDF: 18043.4/27



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

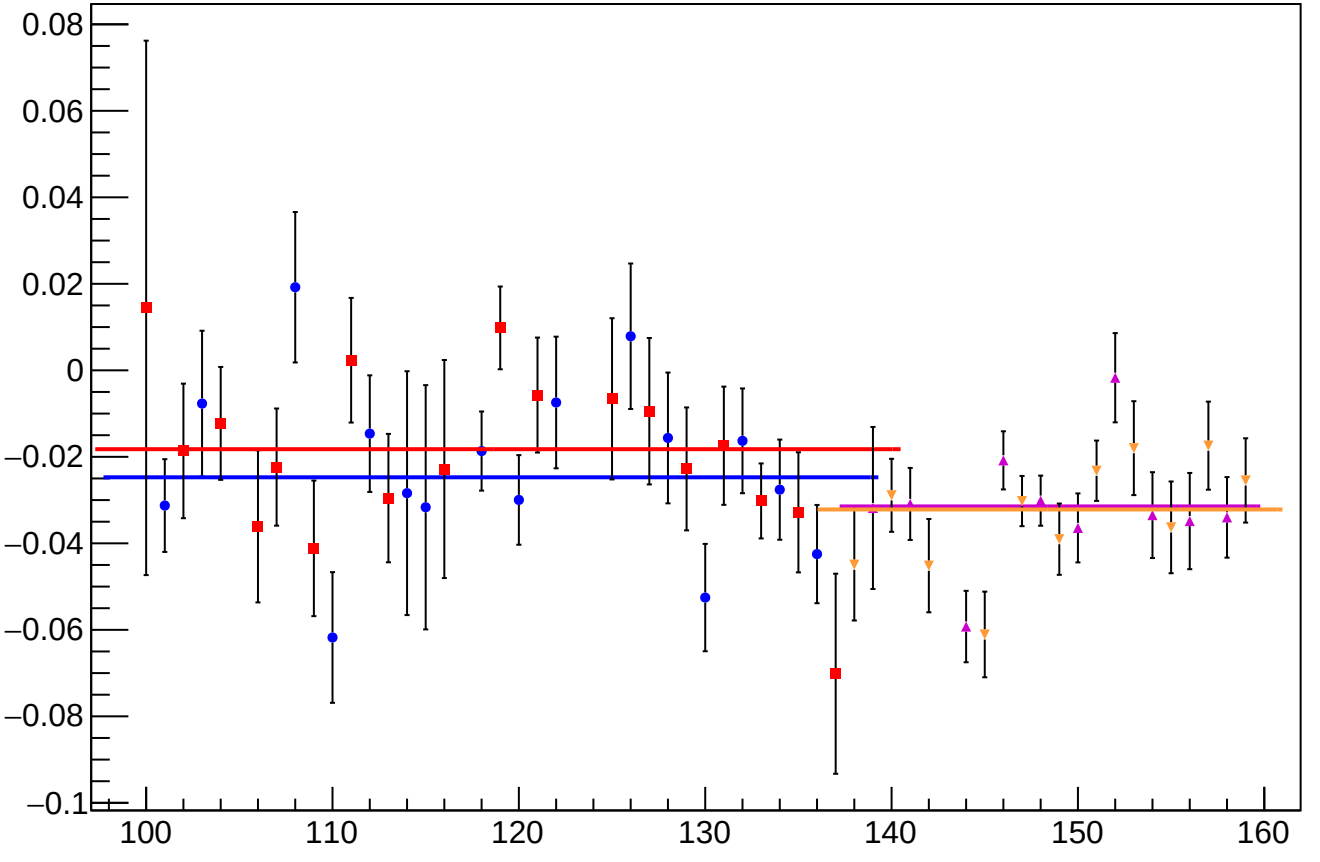
Left In: 0.028+/-0.004 χ^2/NDF:338.8/9

+ sign 0.001+/-0.002 χ^2/NDF: 1310.5/26

All: -0.006+/-0.002 χ^2/NDF: 2649.8/54

- sign -0.013+/-0.002 χ^2/NDF: 1324.5/27

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

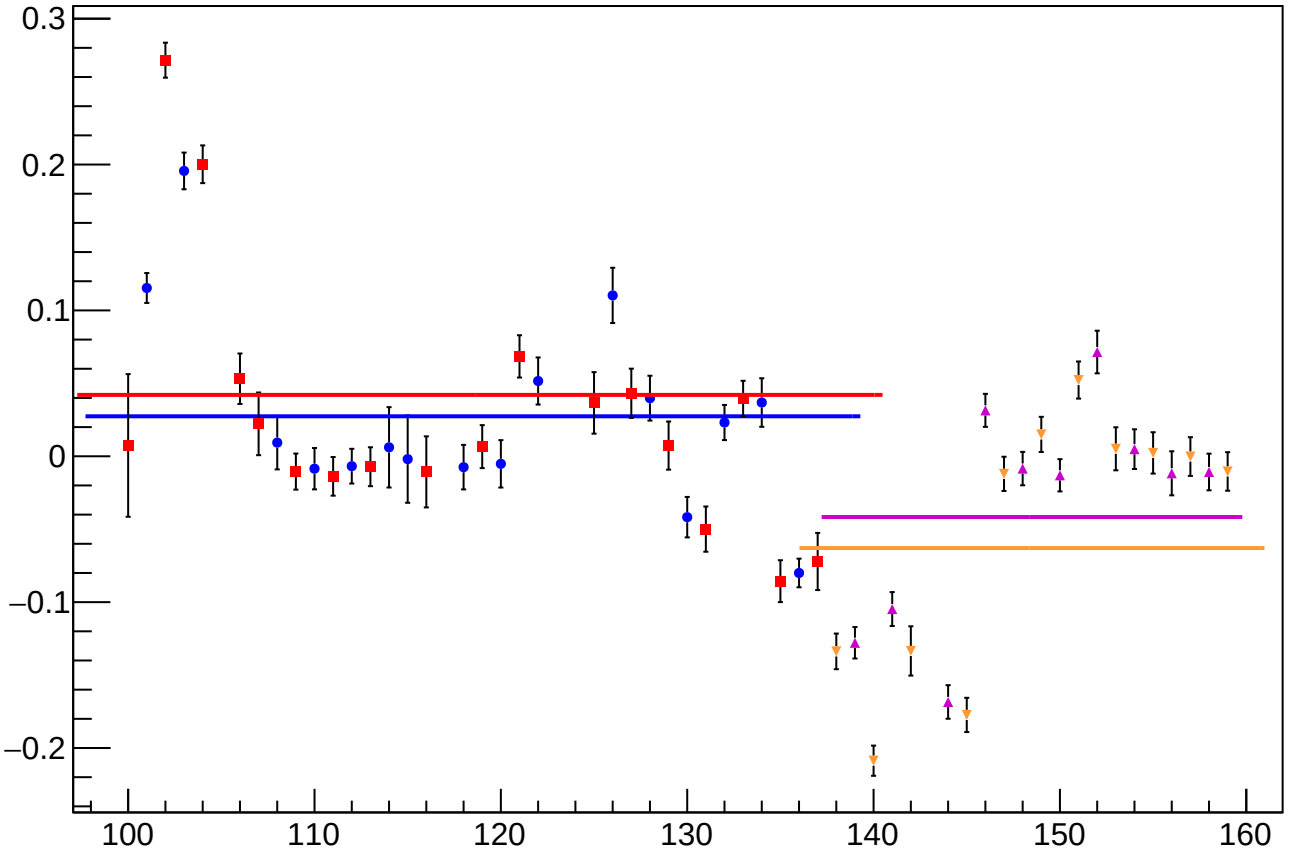
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.003 χ^2/NDF:22.8/9

+ sign -0.029+/-0.002 χ^2/NDF: 49.6/26

All: -0.028+/-0.001 χ^2/NDF: 107.4/54

- sign -0.026+/-0.002 χ^2/NDF: 56.9/27



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.063+/-0.004 χ^2/NDF:567.3/10

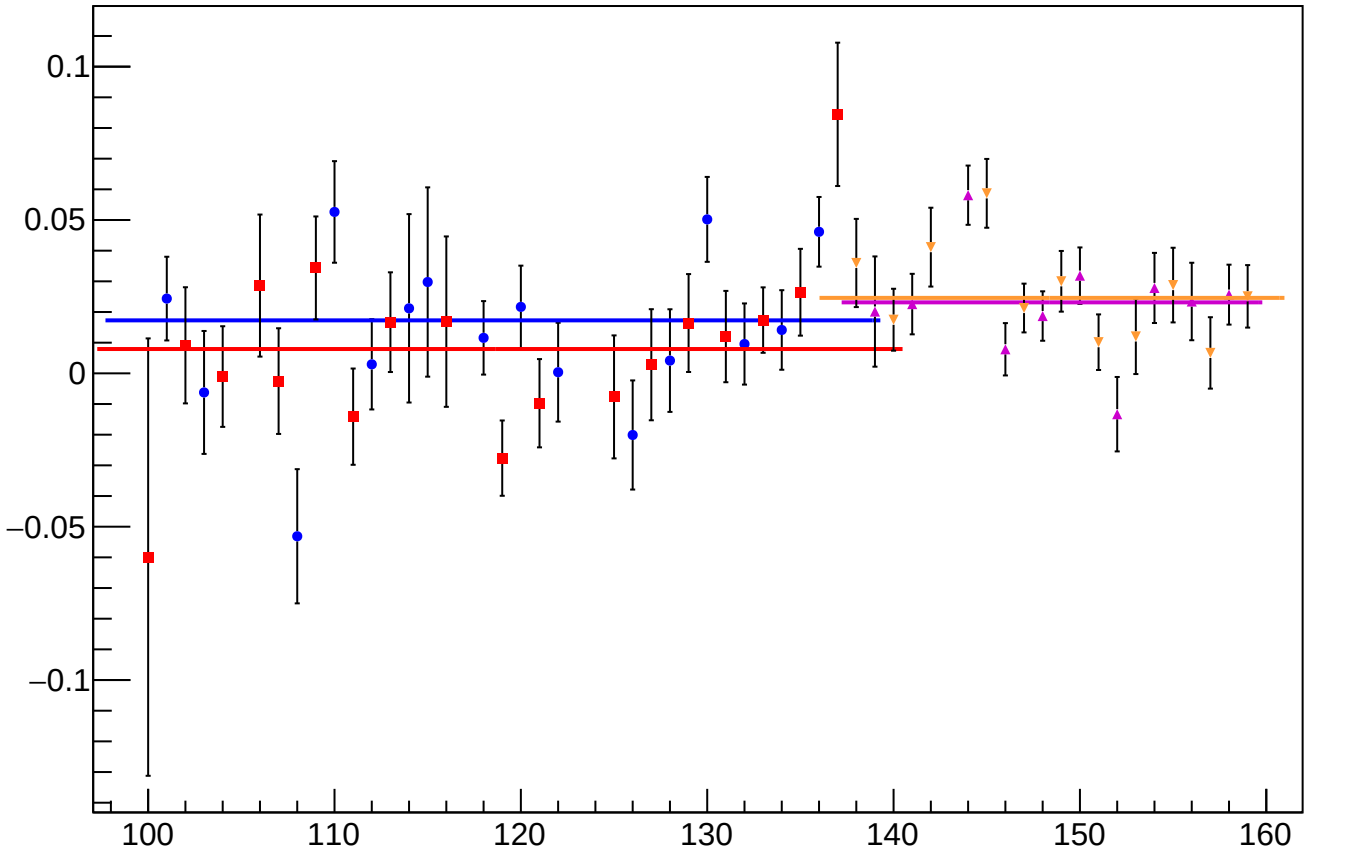
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.042+/-0.004 χ^2/NDF:353.2/9

\+ sign -0.015+/-0.003 χ^2/NDF: 1310.4/26

All: -0.006+/-0.002 χ^2/NDF: 2668.7/54

\- sign 0.002+/-0.003 χ^2/NDF: 1337.2/27



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.025+/-0.003 χ^2/NDF:18.6/10

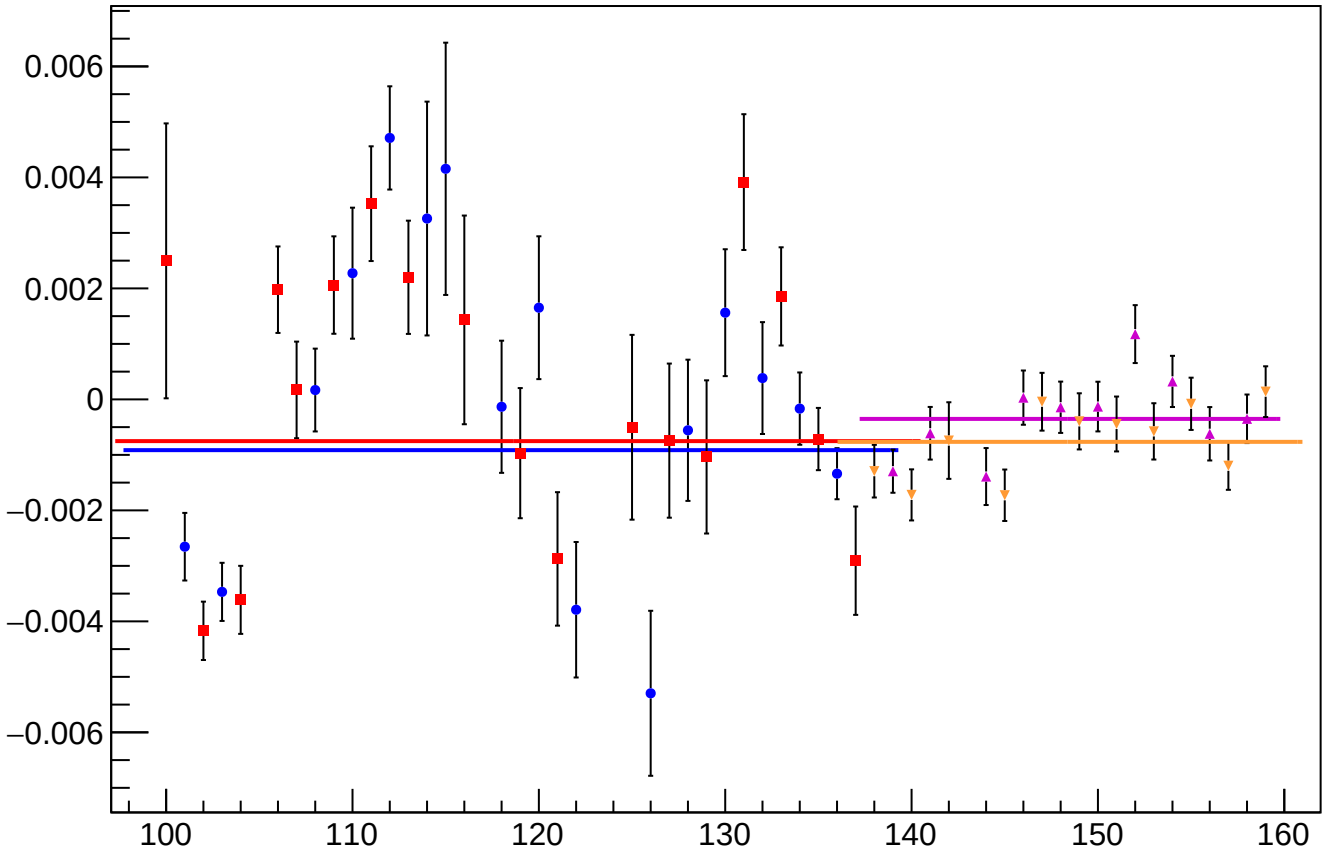
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.023+/-0.003 χ^2/NDF:26.8/9

+ sign 0.022+/-0.002 χ^2/NDF: 57.4/26

All: 0.019+/-0.002 χ^2/NDF: 126.3/54

- sign 0.017+/-0.002 χ^2/NDF: 67.2/27



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:19.9/10

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

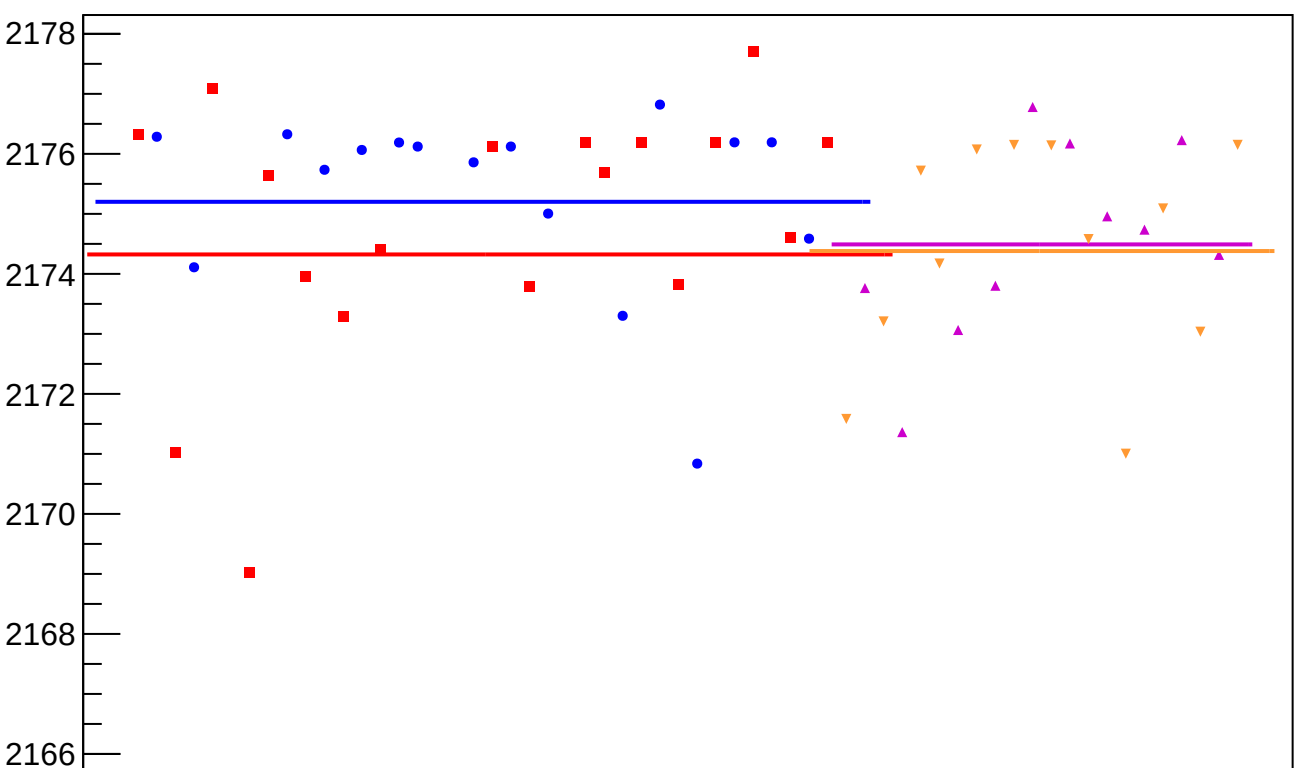
Left In: -0.000+/-0.000 χ^2/NDF:22.4/9

+ sign -0.001+/-0.000 χ^2/NDF: 134.3/26

All: -0.001+/-0.000 χ^2/NDF: 310.5/54

- sign -0.000+/-0.000 χ^2/NDF: 172.3/27

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

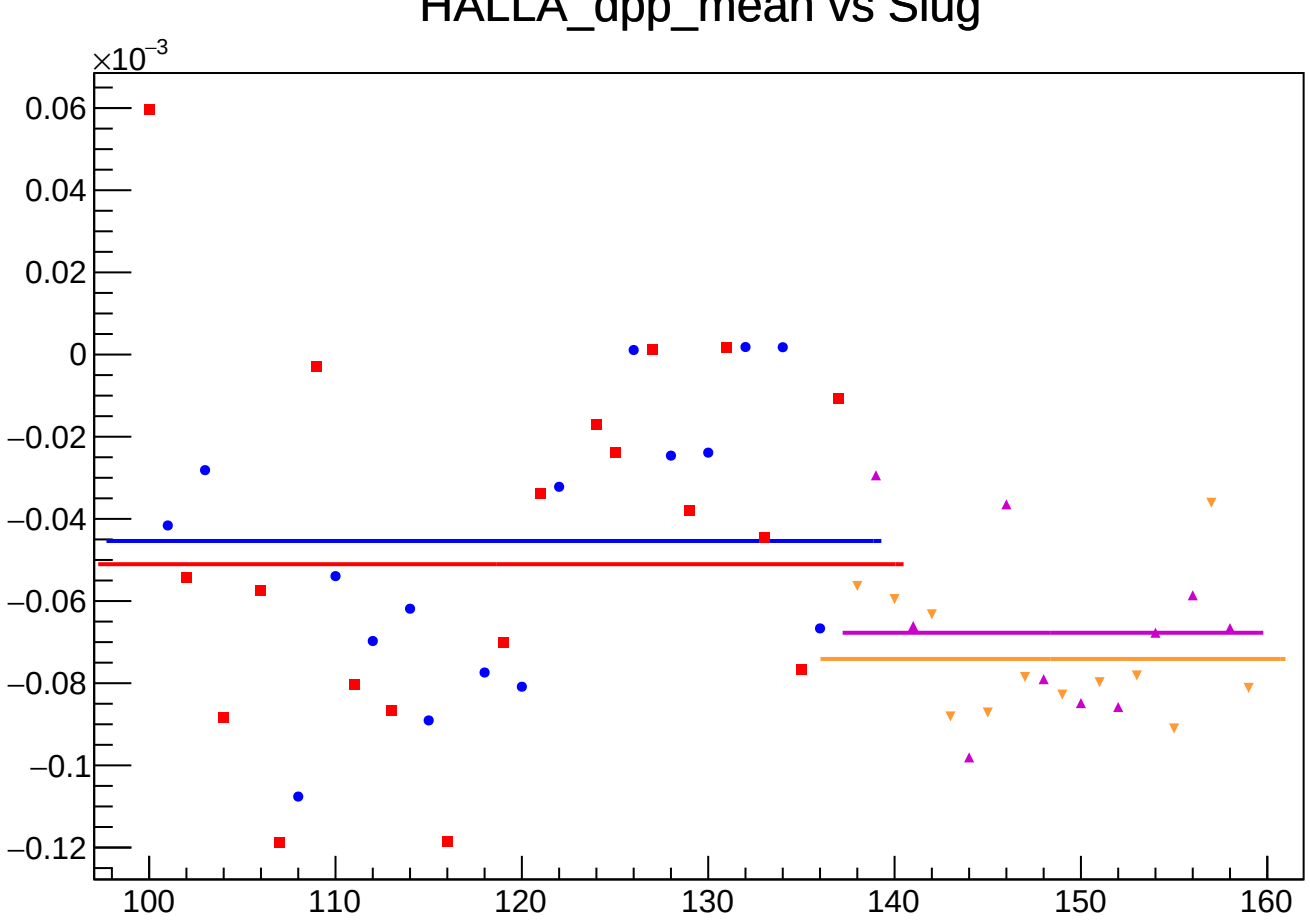
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.491+/-0.000 χ^2/NDF:219447033903628173611521503186124 8.0/9

+ sign 2174.731+/-0.000 χ^2/NDF: 5171942599287 3

All: 2174.576+/-0.000 χ^2/NDF: 1300514104 3

- sign 2174.415+/-0.000 χ^2/NDF: 7748281090723 2



Right In: -0.000+/-0.000 χ^2/NDF: 713132081378122377723904.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2433341286520196295557 12.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 10119559107206471011532 80.0/18

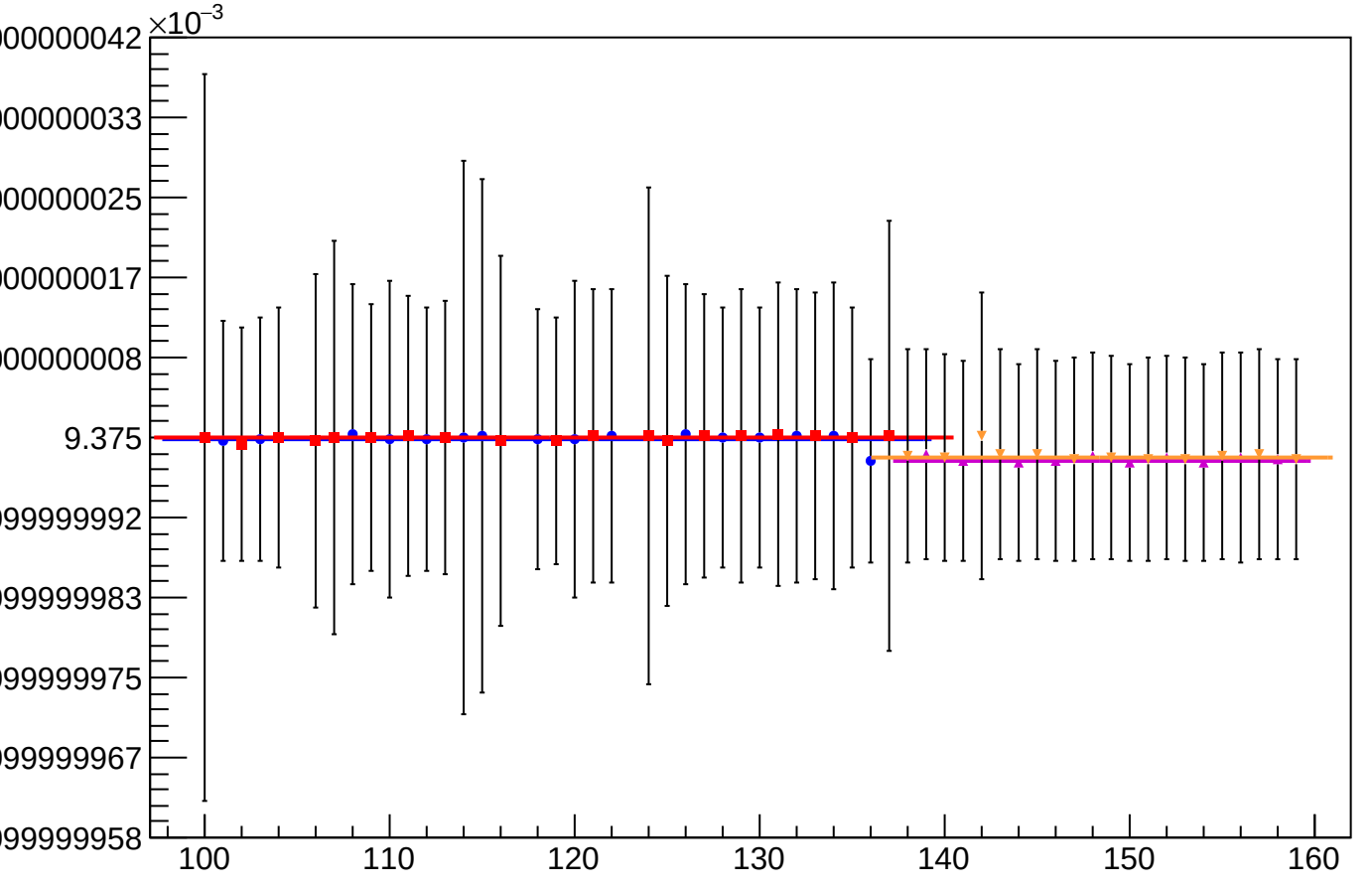
Left In: -0.000+/-0.000 χ^2/NDF:3757526749889449301114 88.0/9

+ sign -0.000+/-0.000 χ^2/NDF: 1306887098179862

All: -0.000+/-0.000 χ^2/NDF: 2812454767102

- sign -0.000+/-0.000 χ^2/NDF: 1502930330631597

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

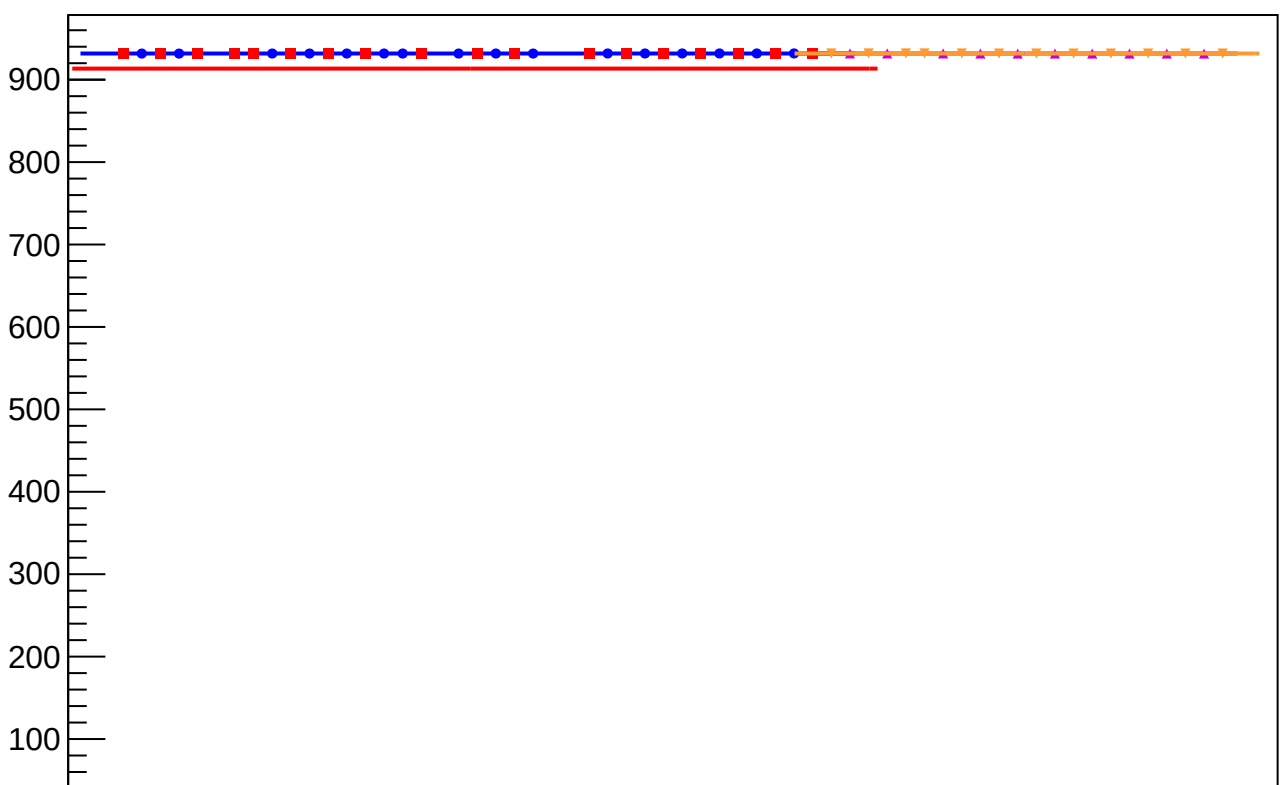
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/56

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

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

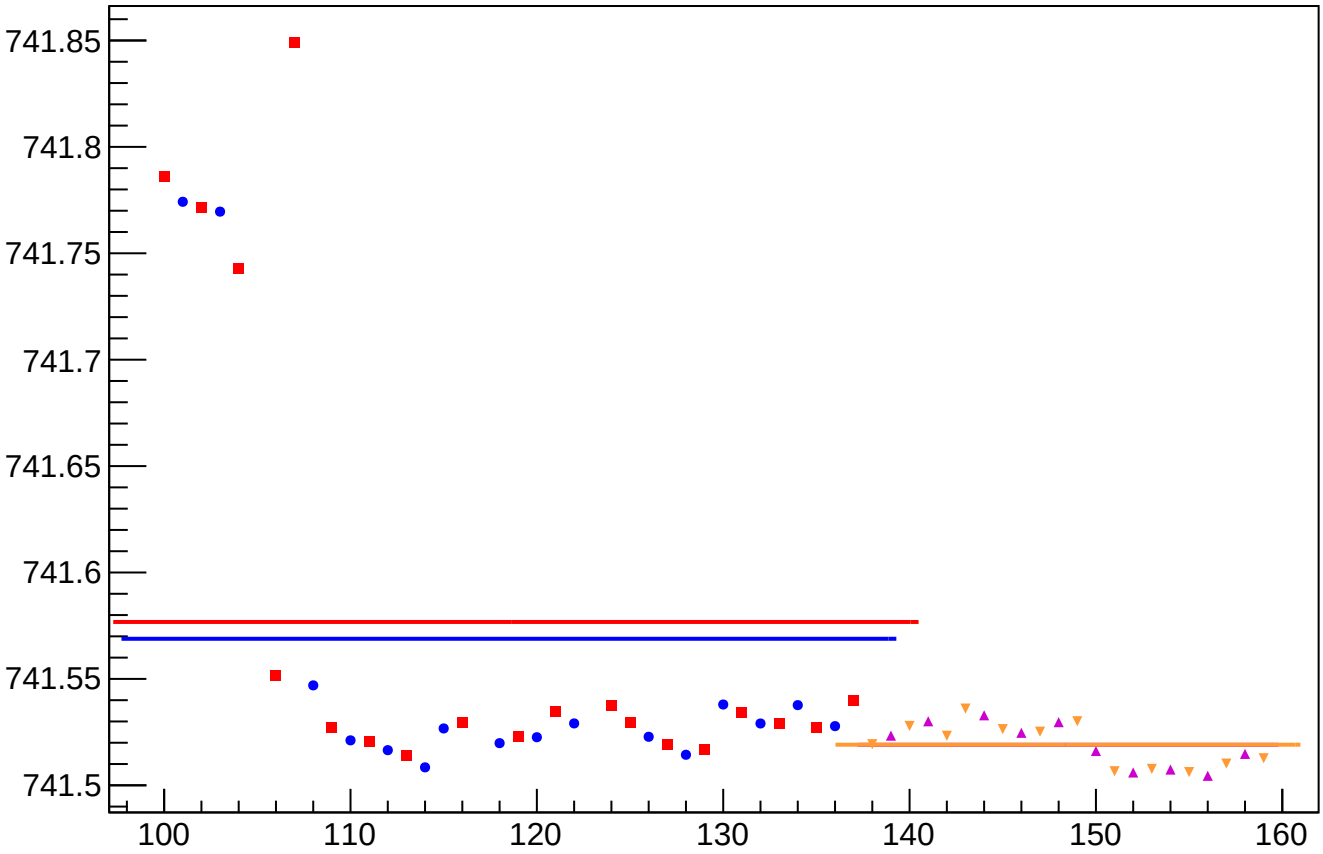
All: 927.669+/-0.000 χ^2/NDF: 12964807289

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 923.387+/-0.000 χ^2/NDF: 129048949237012

Left In: 931.776+/-0.000 χ^2/NDF:351061785889417209076390245 1712.0/9

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938 6368.0/15

Left Out: 741.519+/-0.000 χ^2/NDF:10000181751610599806999304 6016.0/11

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

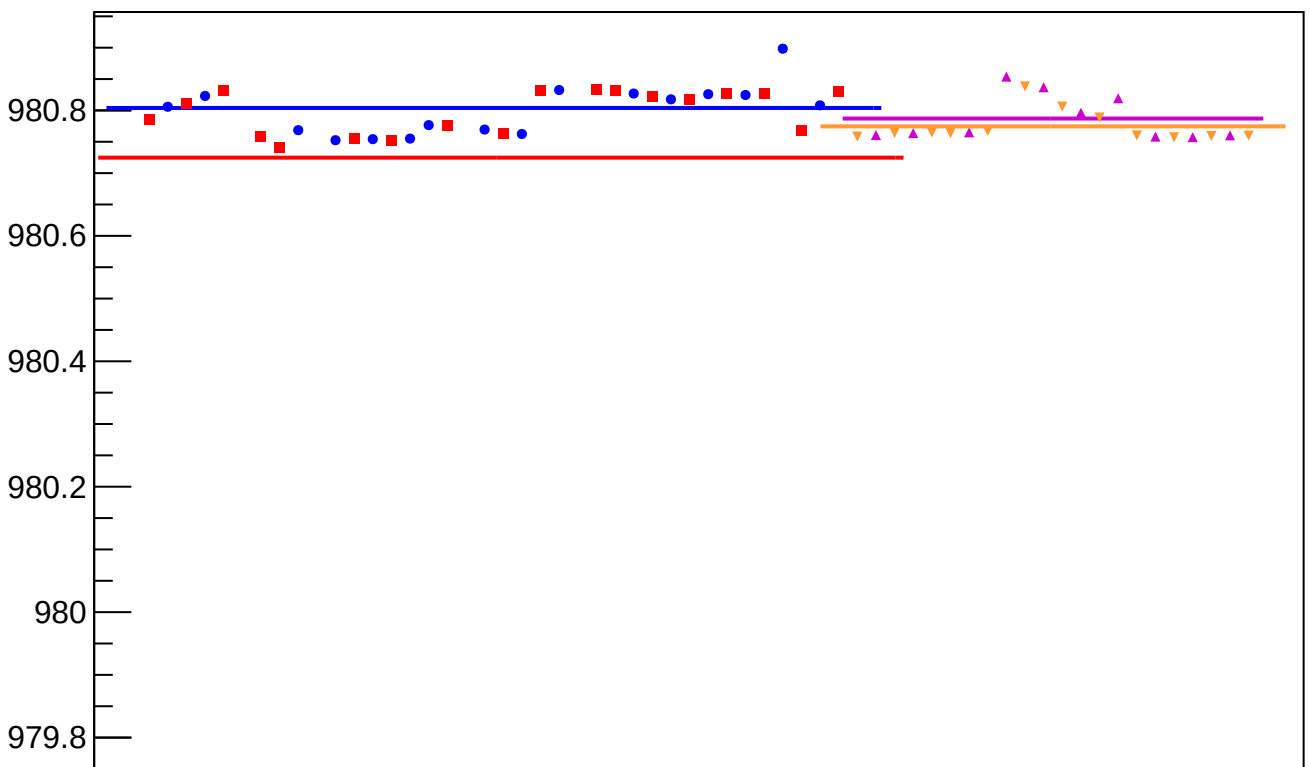
Left In: 741.519+/-0.000 χ^2/NDF:92266527285633119534333296640.0/9

+ sign 741.540+/-0.000 χ^2/NDF: 758562297469021

All: 741.543+/-0.000 χ^2/NDF: 167716185058

- sign 741.545+/-0.000 χ^2/NDF: 916355908609483

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:59702107982671889010972950528 0.0/11

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

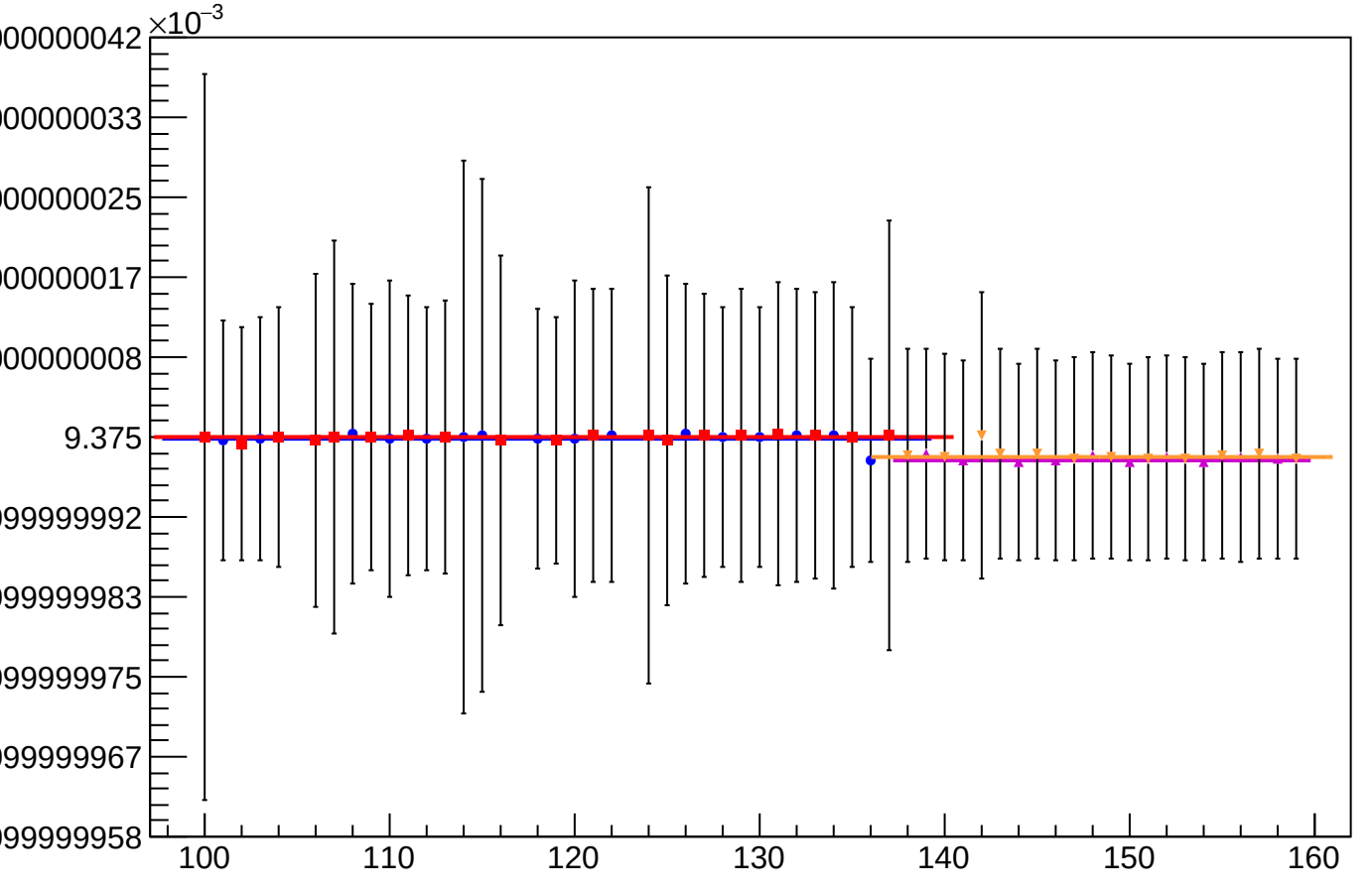
Left In: 980.787+/-0.000 χ^2/NDF:109634526793541328385176554700 8.0/9

+ sign 980.787+/-0.000 χ^2/NDF: 189605721044703

All: 980.773+/-0.000 χ^2/NDF: 613361804231

- sign 980.758+/-0.000 χ^2/NDF: 587450295235151

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

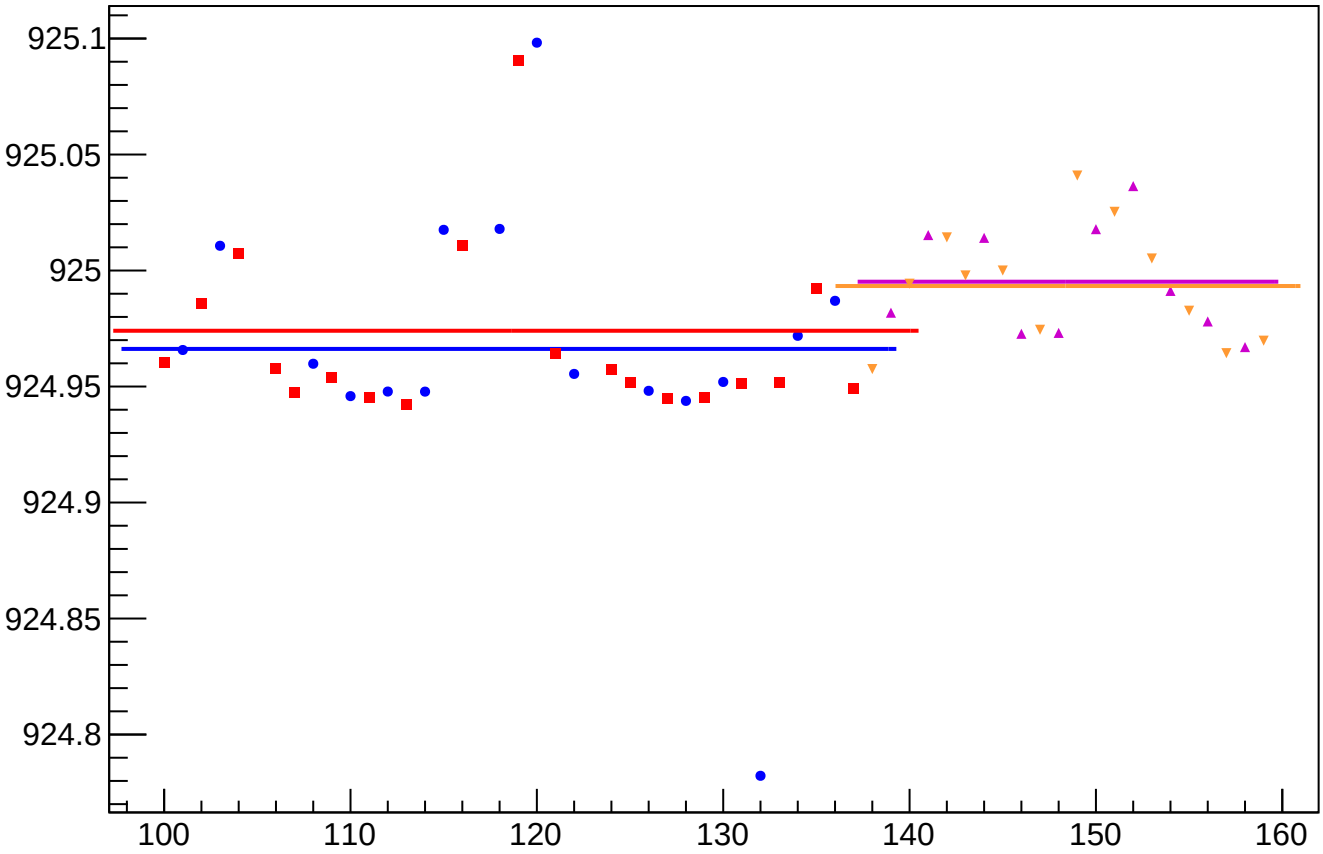
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/56

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

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

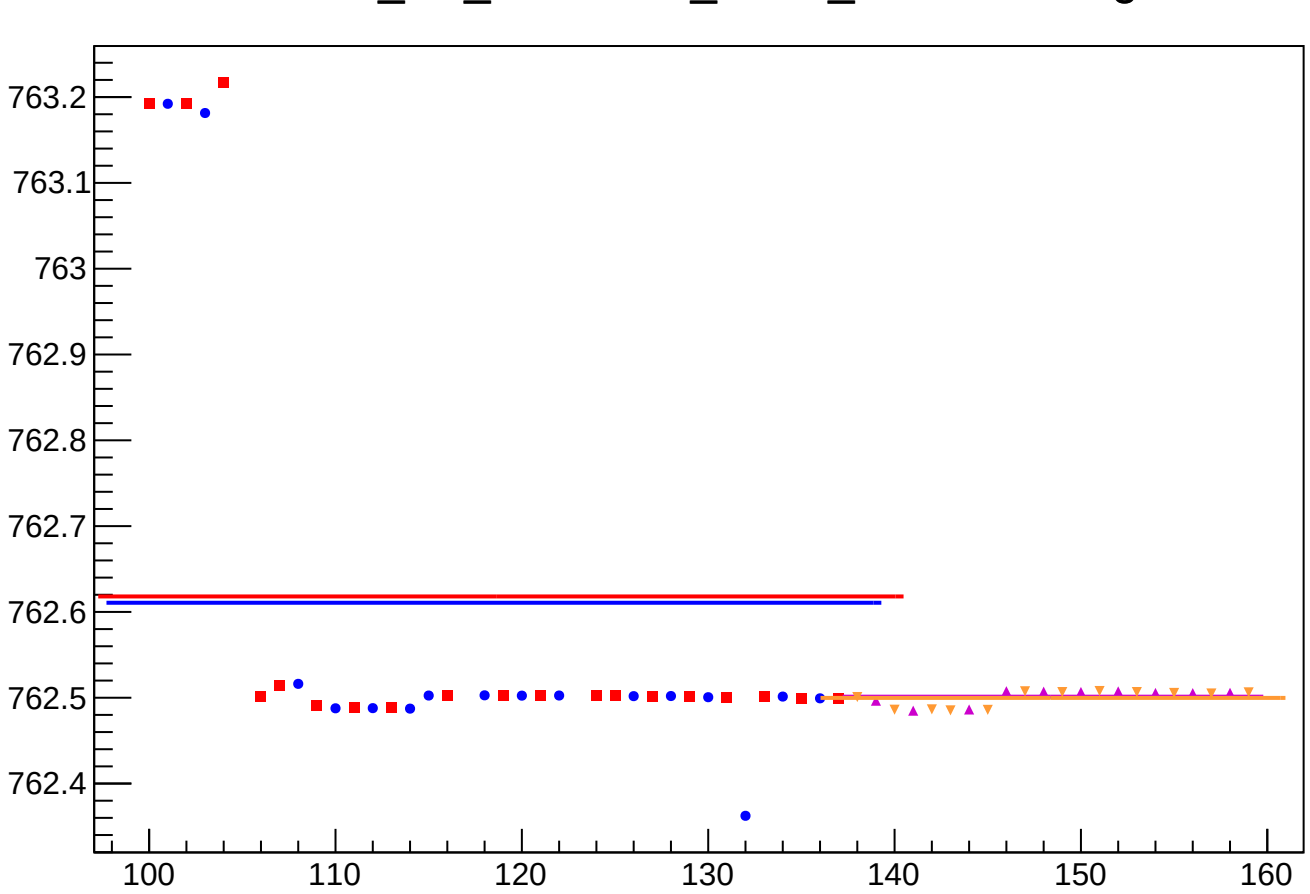
Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: 924.995+/-0.000 χ^2/NDF:473453777159763931692972113920.0/9

+ sign 924.982+/-0.000 χ^2/NDF: 345258782573765

All: 924.984+/-0.000 χ^2/NDF: 536493694007

- sign 924.986+/-0.000 χ^2/NDF: 190038902772846



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

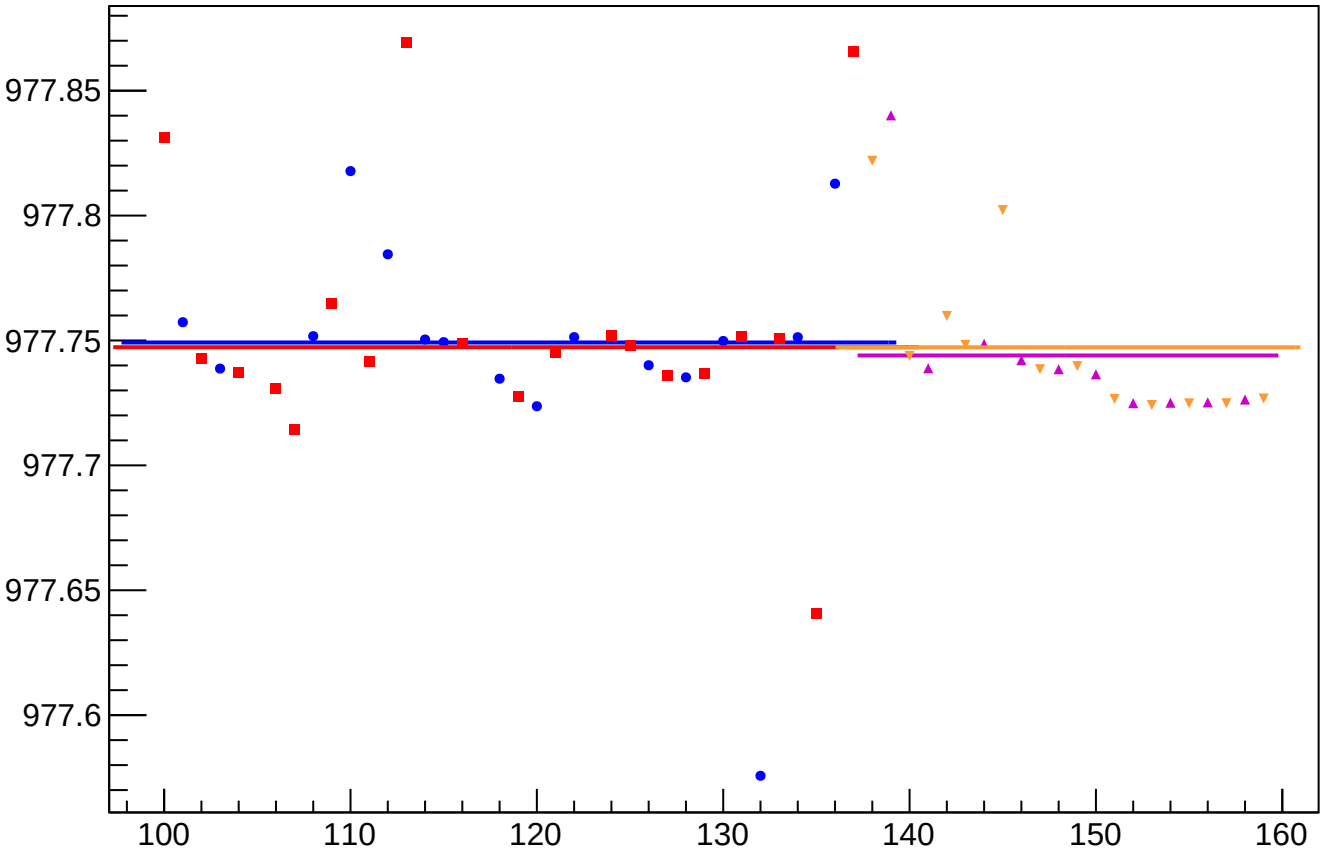
Left In: 762.501+/-0.000 χ^2/NDF:65976535961338559041988722688.0/9

+ sign 762.547+/-0.000 χ^2/NDF: 574723354572666

All: 762.551+/-0.000 χ^2/NDF: 116366571894

- sign 762.555+/-0.000 χ^2/NDF: 588452571569976

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

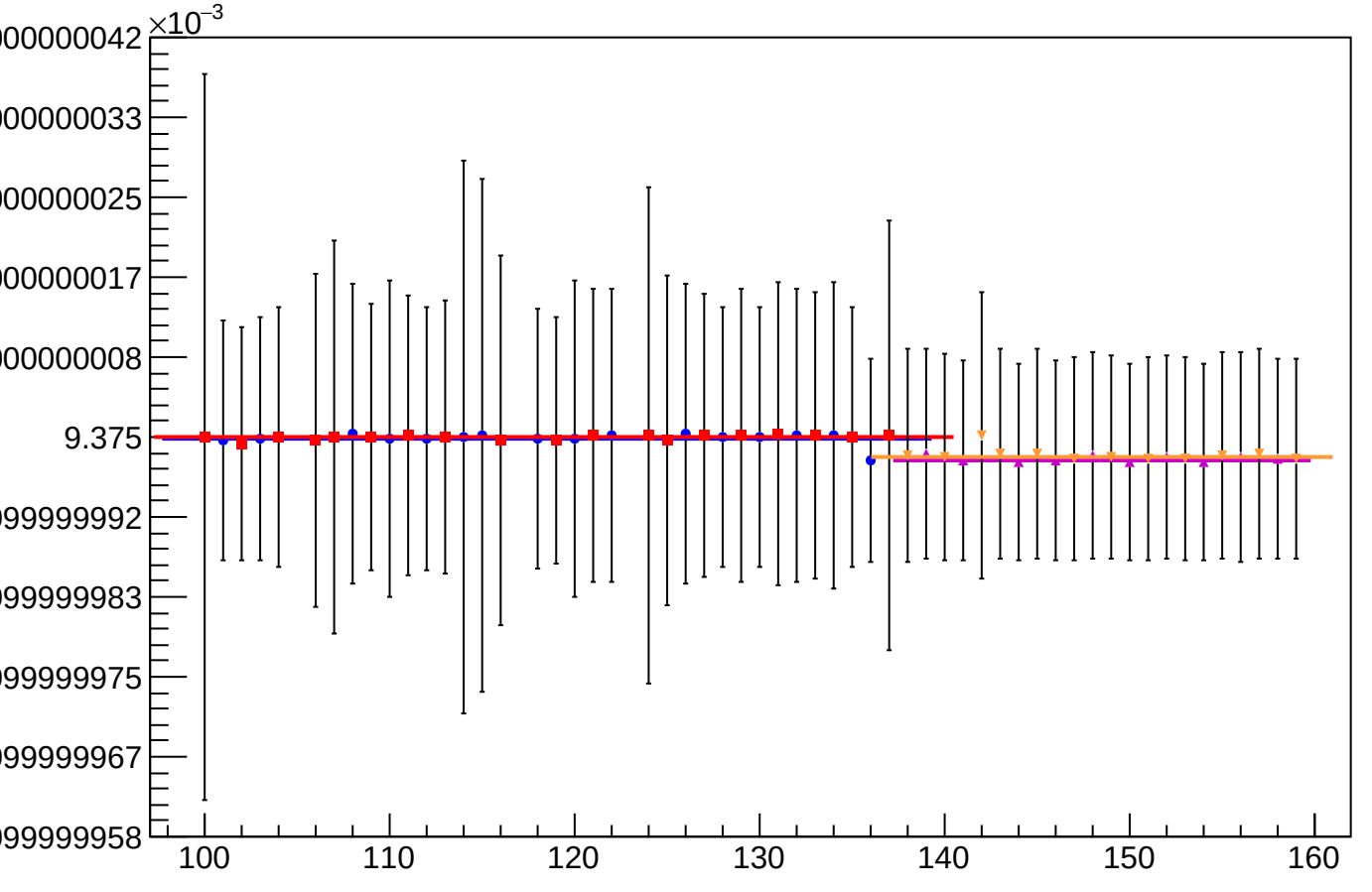
Left In: 977.744+/-0.000 χ^2/NDF:91385514167291434899427295 2320.0/9

+ sign 977.748+/-0.000 χ^2/NDF: 28946954900062

All: 977.747+/-0.000 χ^2/NDF: 56009688086

- sign 977.746+/-0.000 χ^2/NDF: 270061202114141

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

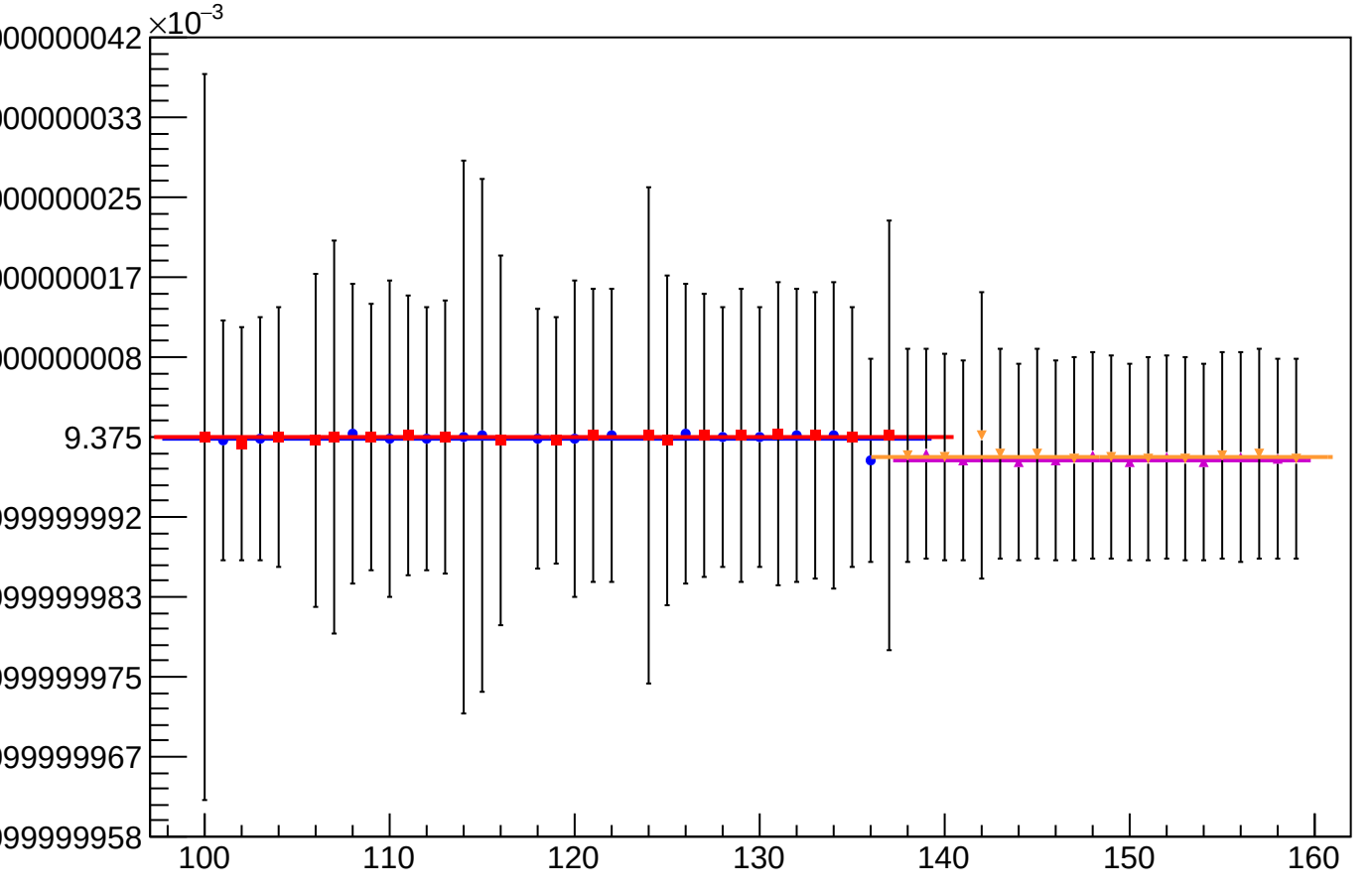
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/56

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

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

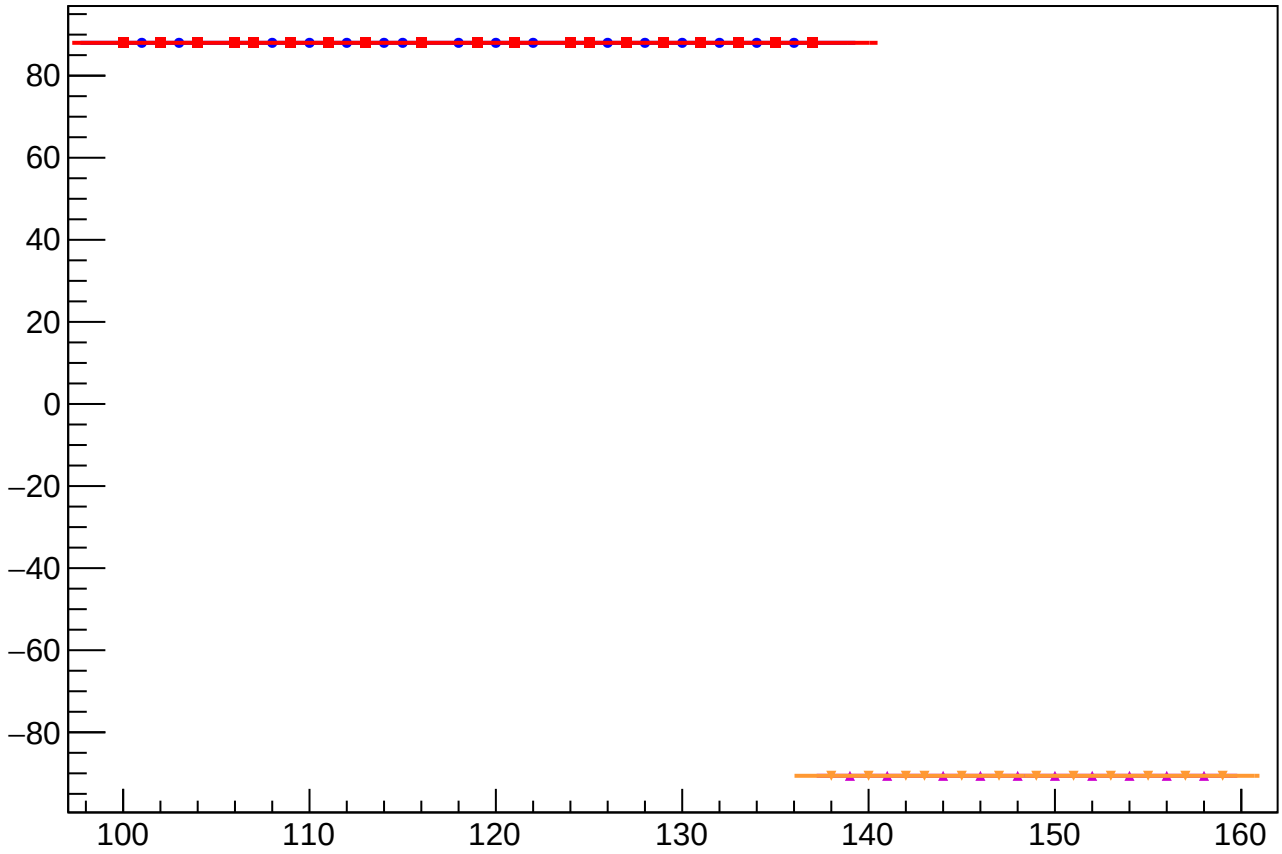
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/56

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

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

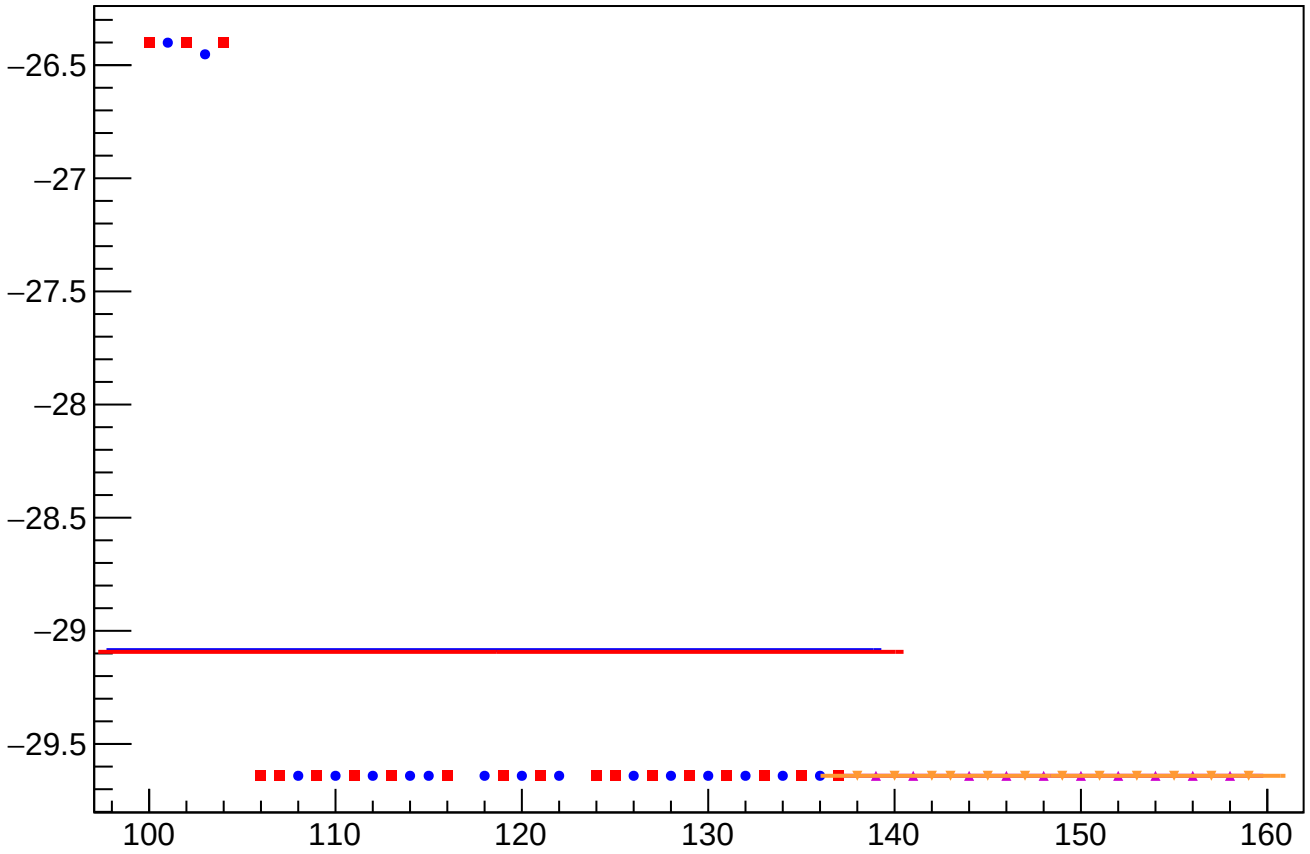
Left In: -90.599+/-0.000 χ^2/NDF:661381.0/9

+ sign -14.409+/-0.000 χ^2/NDF: 135531622375129

All: -11.687+/-0.000 χ^2/NDF: 26778205284

- sign -8.851+/-0.000 χ^2/NDF: 1319876901731079

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:88655.3/9

+ sign -29.404+/-0.000 χ^2/NDF: 122538824100666

All: -29.397+/-0.000 χ^2/NDF: 247494807345

- sign -29.390+/-0.000 χ^2/NDF: 124939702171565

Right In: 1473.467+/-0.000 χ^2/NDF: 1068941948607061768784857937047715840.0/15

Left Out: 1468.103+/-0.000 χ^2/NDF:13411843758819586644632647237632 0.0/11

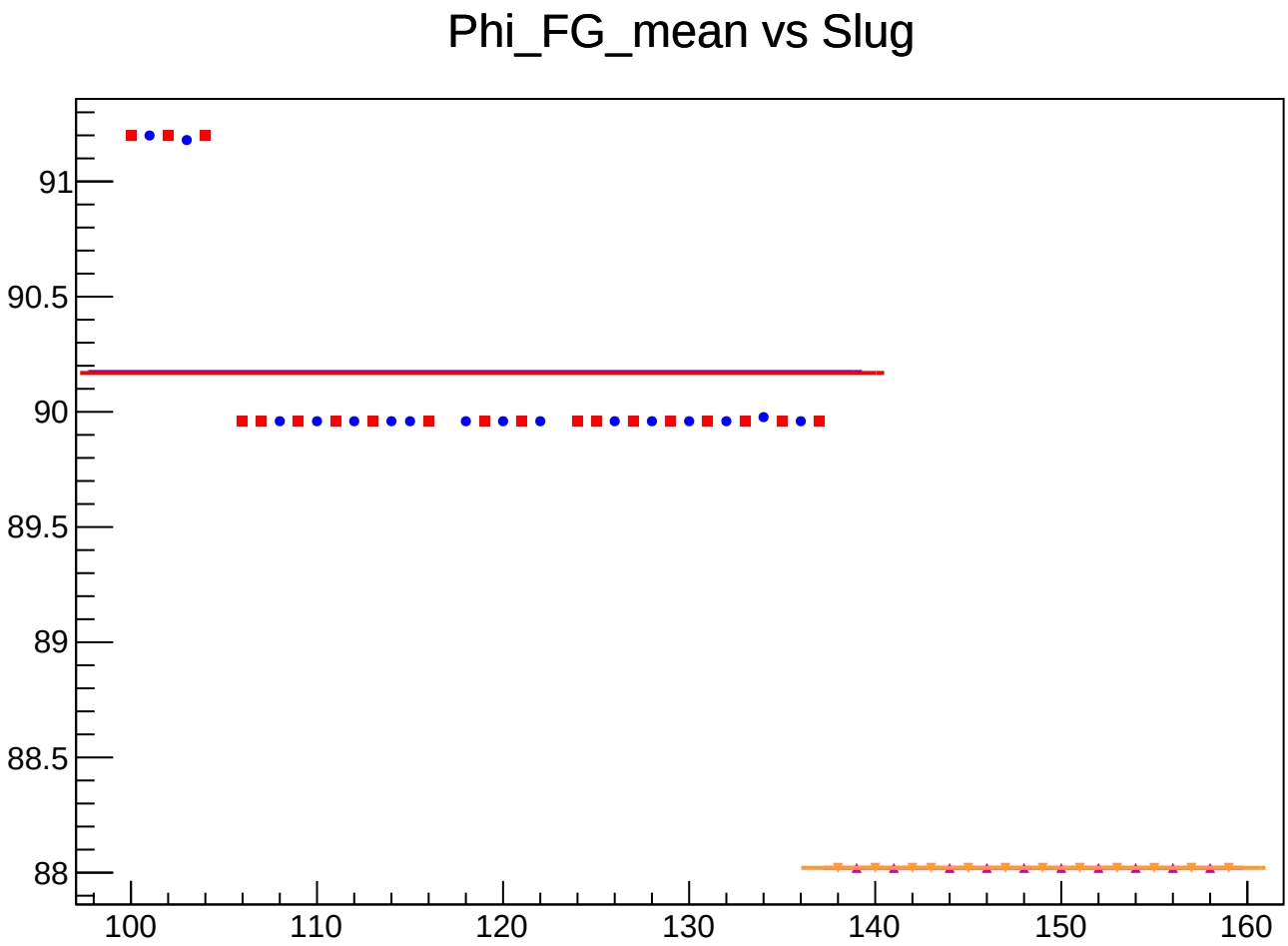
Right Out: 1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

Left In: 1467.987+/-0.000 χ^2/NDF:866548672293382984379431649280.0/9

+ sign 1470.392+/-0.000 χ^2/NDF: 11925486853984

All: 1470.426+/-0.000 χ^2/NDF: 241260393 47

- sign 1470.462+/-0.000 χ^2/NDF: 12200135266766



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:438430.0/9

+ sign 88.939+/-0.000 χ^2/NDF: 2127824505742884

All: 88.971+/-0.000 χ^2/NDF: 420577105937

- sign 89.004+/-0.000 χ^2/NDF: 2074329722832567

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:9903582461539219350224896.0/11

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

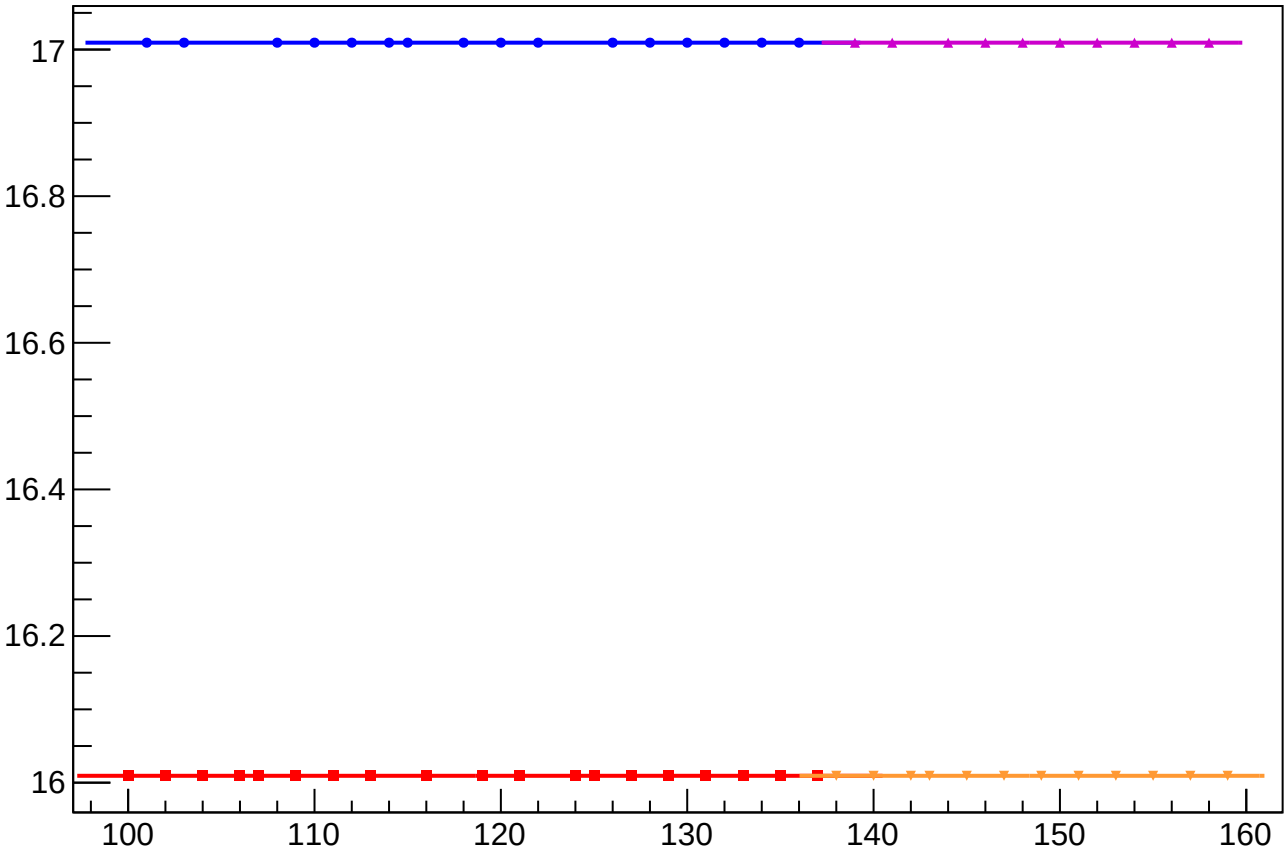
Left In: 16.009+/-0.000 χ^2/NDF:103284.0/9

+ sign 16.568+/-0.000 χ^2/NDF: 3921352445622378

All: 16.514+/-0.000 χ^2/NDF: 782976879206

- sign 16.459+/-0.000 χ^2/NDF: 3814856687334515

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

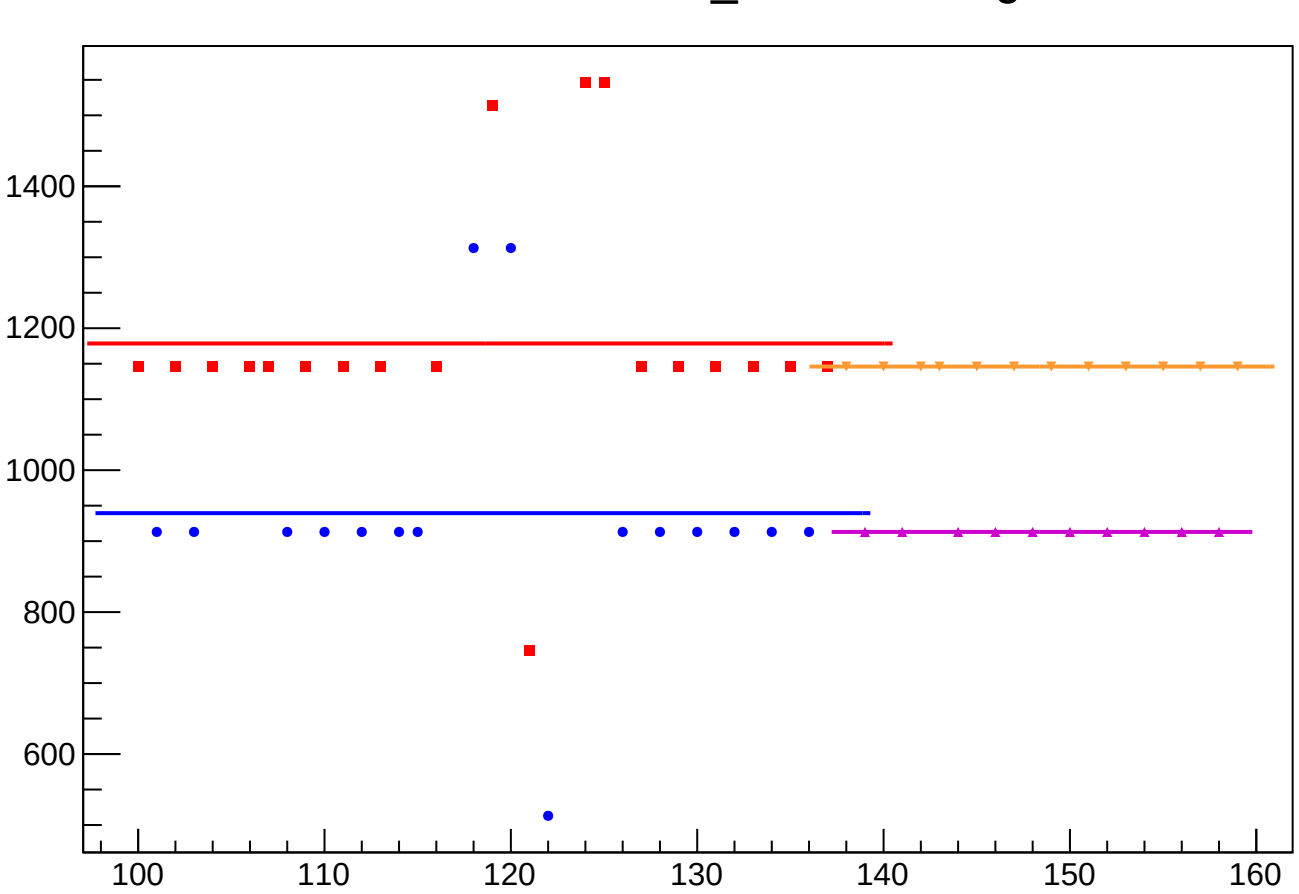
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:3433.1/9

+ sign 16.427+/-0.000 χ^2/NDF: 4119297520661159

All: 16.489+/-0.000 χ^2/NDF: 837892761394

- sign 16.553+/-0.000 χ^2/NDF: 4125892964521596



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:2857553477153236570815332352.0/11

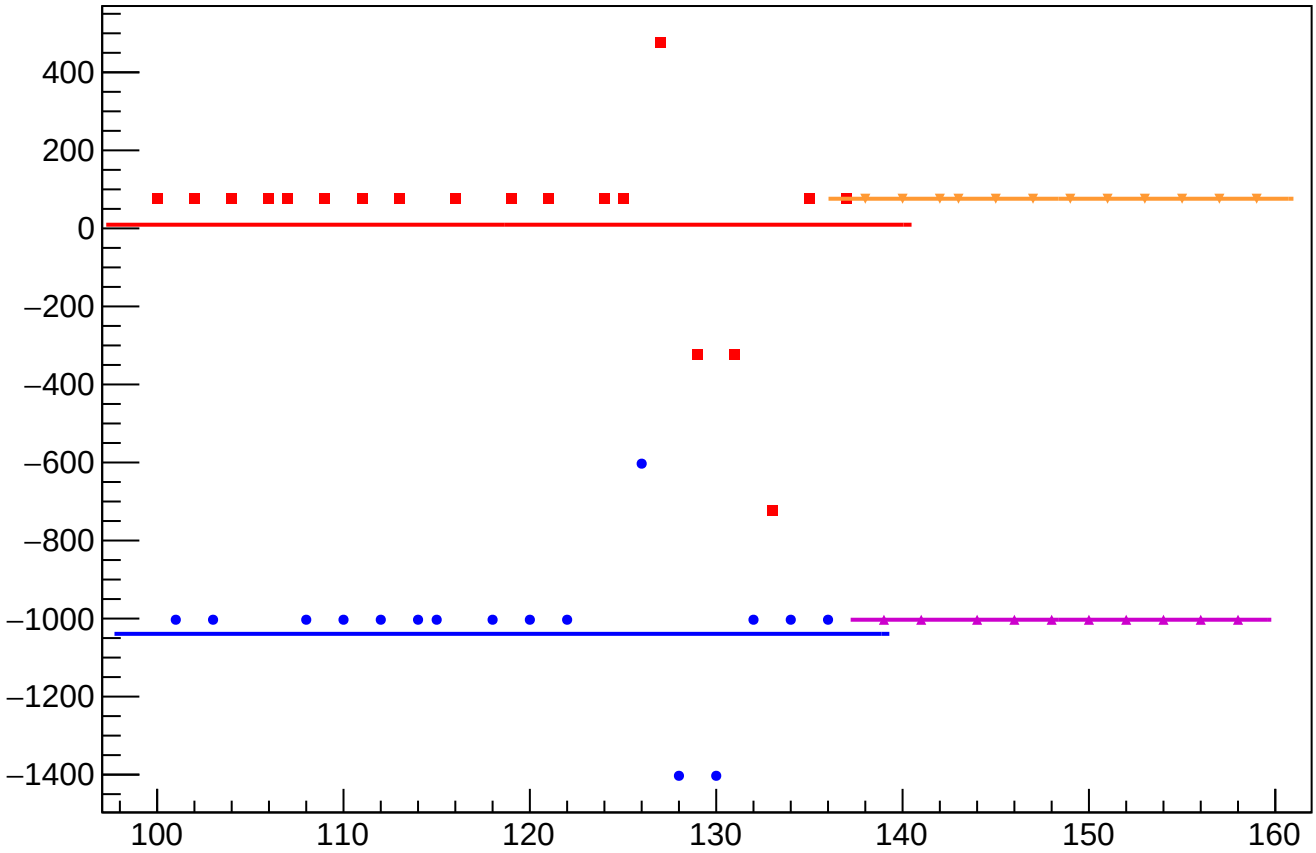
All: 1046.448+/-0.000 χ^2/NDF: 9098816001

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1034.524+/-0.000 χ^2/NDF: 51311120856986

Left In: 912.994+/-0.000 χ^2/NDF:10282041872709593162498179072.0/9

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -399.717+/-0.000 χ^2/NDF: 55126434787754

Left Out: 76.011+/-0.000 χ^2/NDF:4076855540886493554785910784.0/11

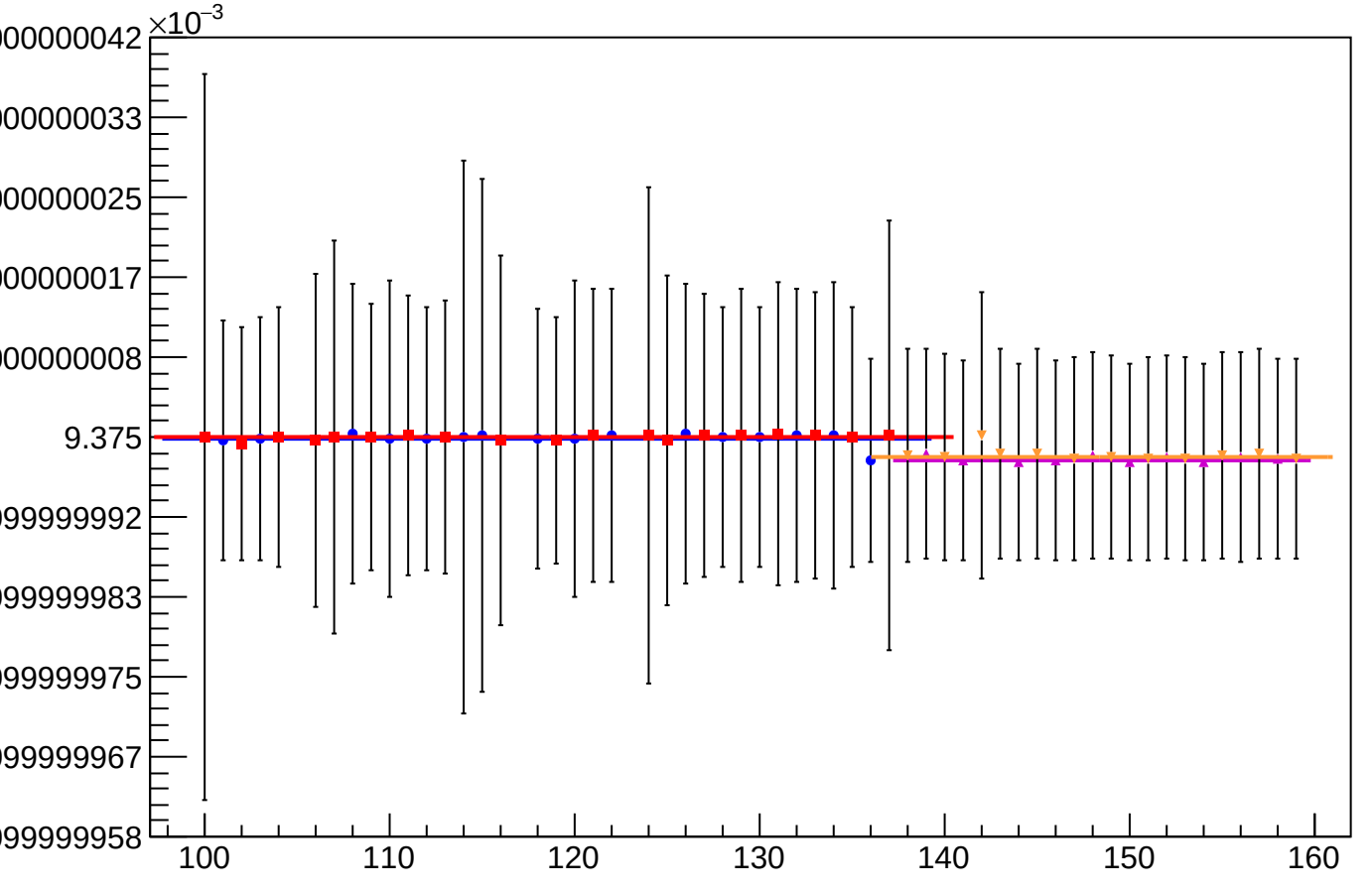
All: -468.219+/-0.000 χ^2/NDF: 1038075432

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

- sign -539.597+/-0.000 χ^2/NDF: 47016717847716

Left In: -1002.990+/-0.000 χ^2/NDF:14786867856529608613266718720/9

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

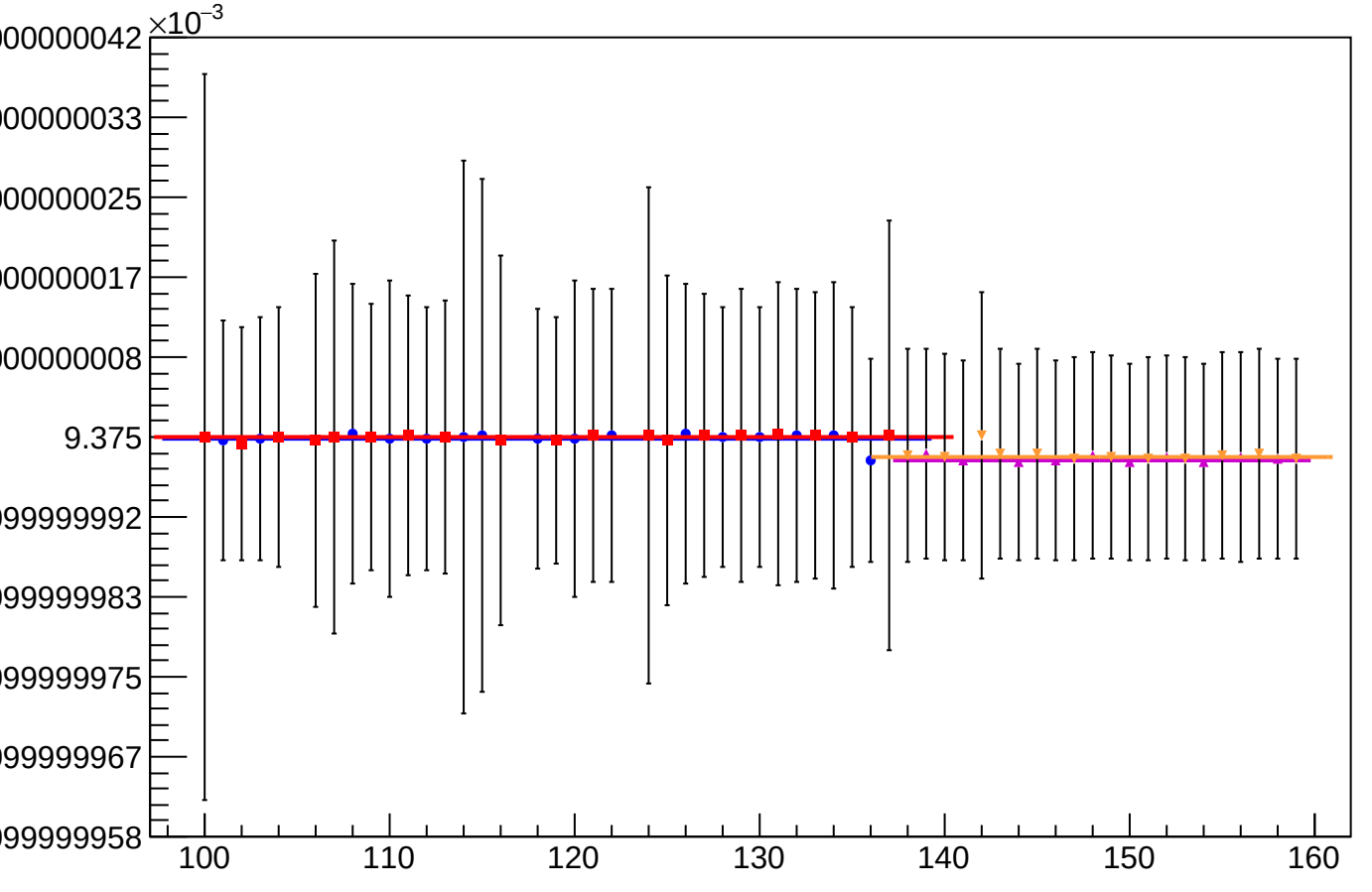
Left In: 0.009+/-0.000 χ^2/NDF:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/56

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28

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:0.0/9

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/56

- sign 0.009+/-0.000 χ^2/NDF: 0.2/28