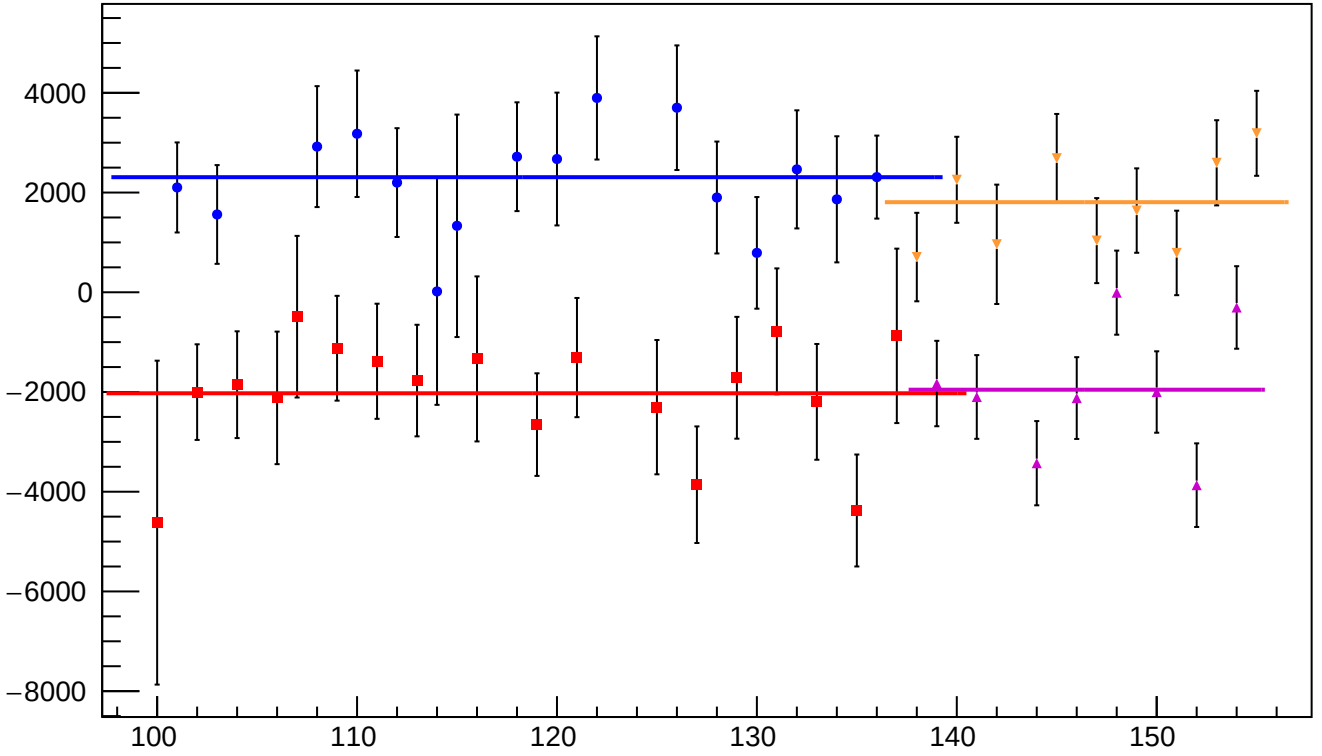
reg_asym_us_avg_mean vs Slug



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

Left Out: 1806.968+/-295.048 χ^2/NDF:9.1/8

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

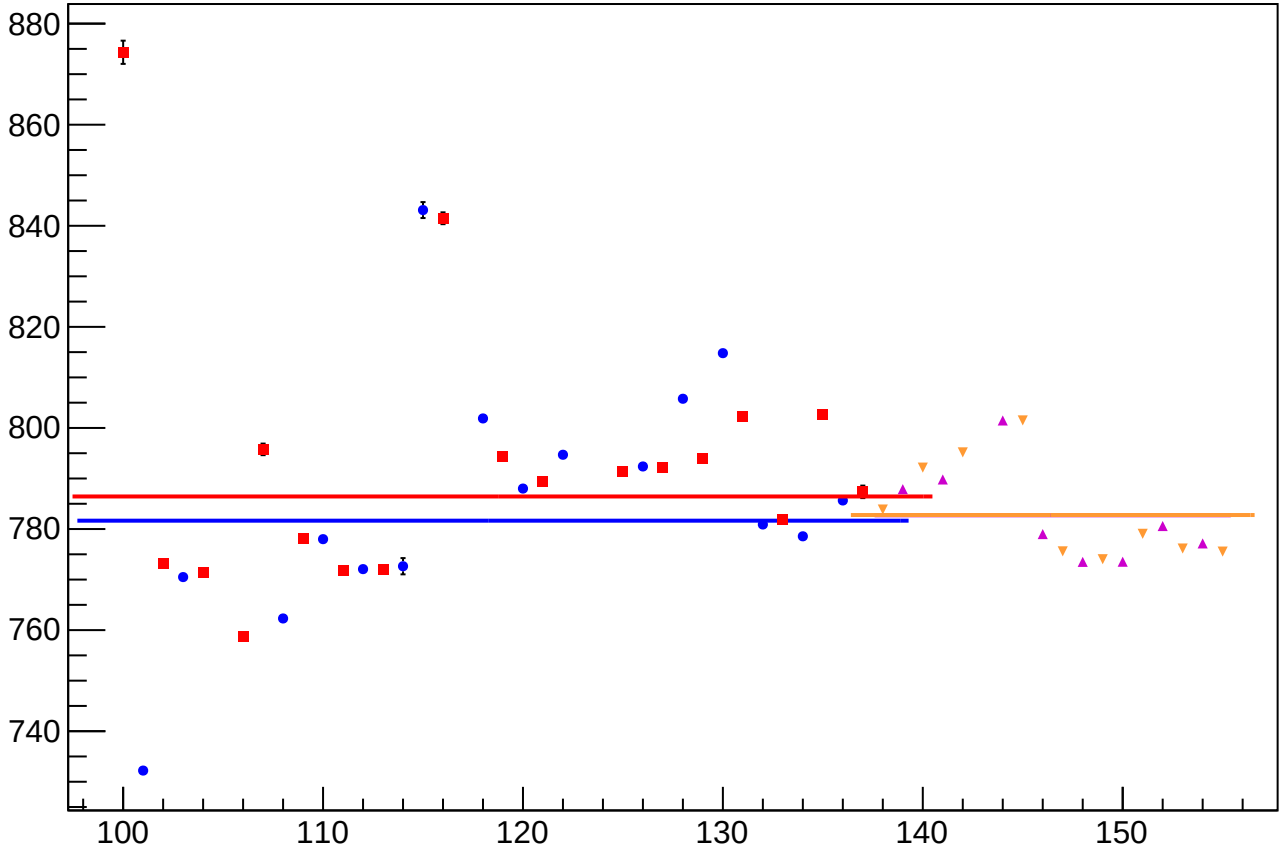
Left In: -1954.189+/-295.421 χ^2/NDF:17.7/7

+ sign 2061.513+/-206.979 χ^2/NDF: 18.3/24

All: 34.463+/-146.320 χ^2/NDF: 239.7/50

- sign -1990.594+/-206.877 χ^2/NDF: 29.6/25

reg_asym_us_avg_rms vs Slug



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

Left Out: 782.771+/-0.209 χ^2/NDF:1998.7/8

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

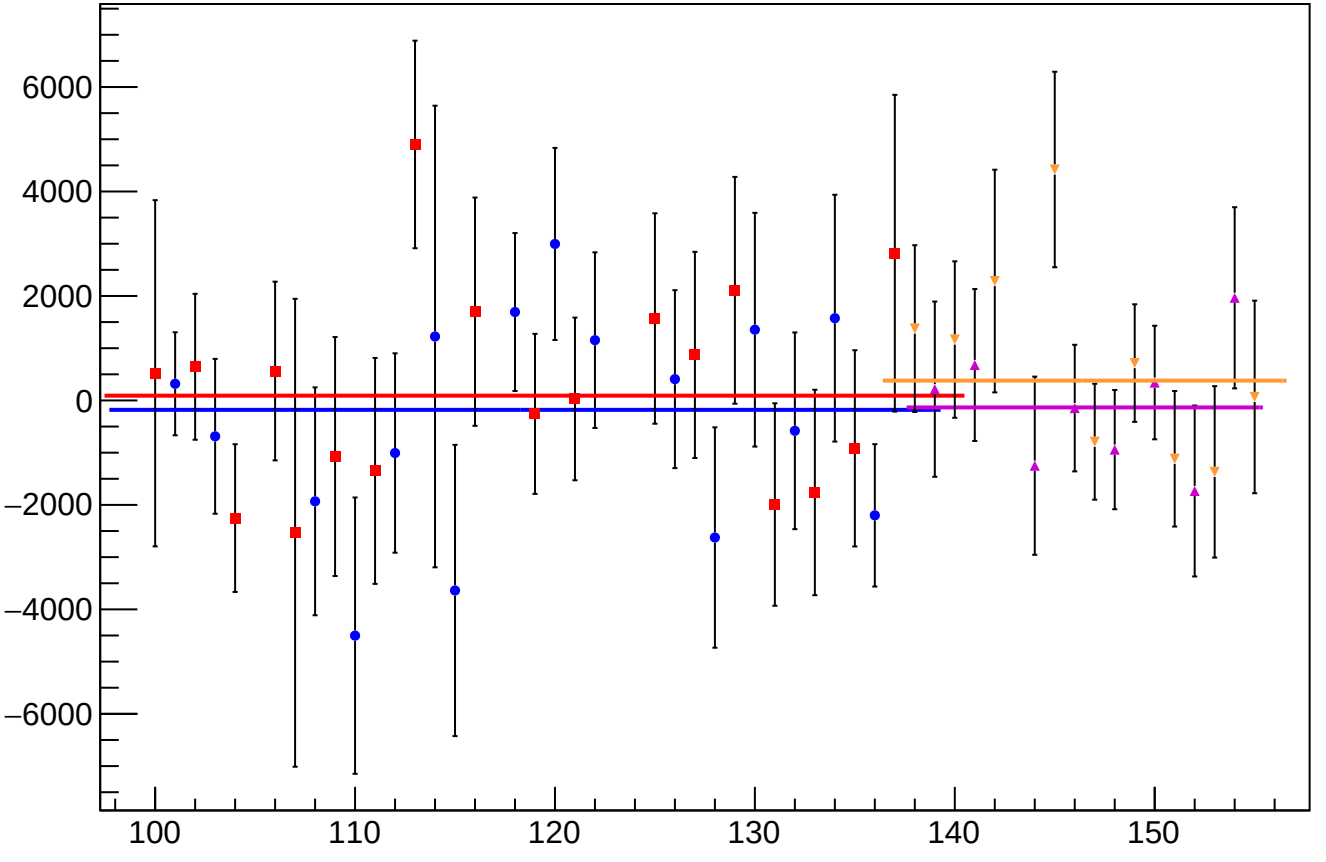
Left In: 782.720+/-0.209 χ^2/NDF:1838.3/7

+ sign 782.204+/-0.146 χ^2/NDF: 14332.3/24

All: 783.411+/-0.103 χ^2/NDF: 23670.1/50

- sign 784.618+/-0.146 χ^2/NDF: 9201.7/25

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: 379.621+/-487.645 χ^2/NDF:9.8/8

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

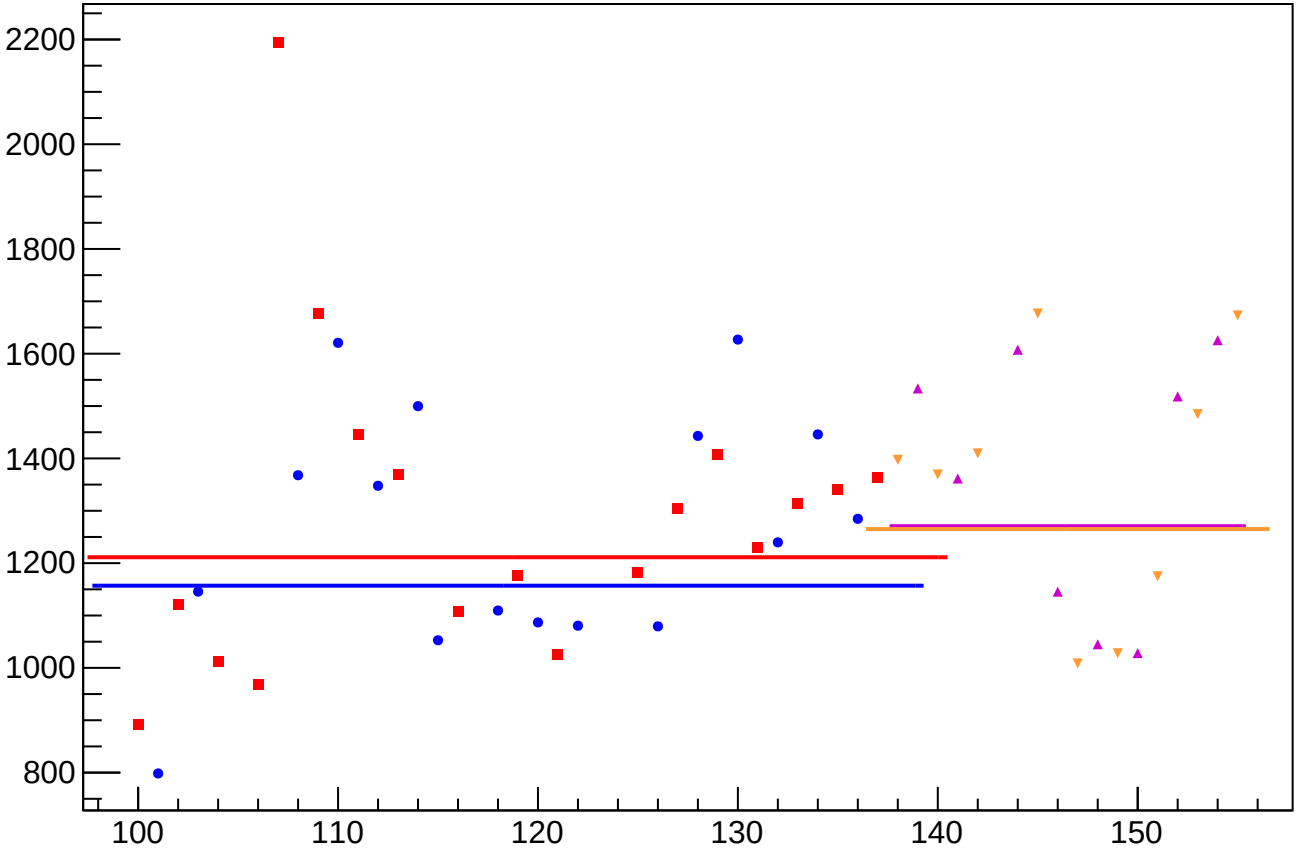
Left In: -133.958+/-489.530 χ^2/NDF:3.9/7

+ sign 71.668+/-326.992 χ^2/NDF: 25.9/24

All: 30.098+/-233.381 χ^2/NDF: 45.2/50

- sign -13.065+/-333.199 χ^2/NDF: 19.2/25

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1265.102+/-0.345 χ^2/NDF:468494.3/8

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

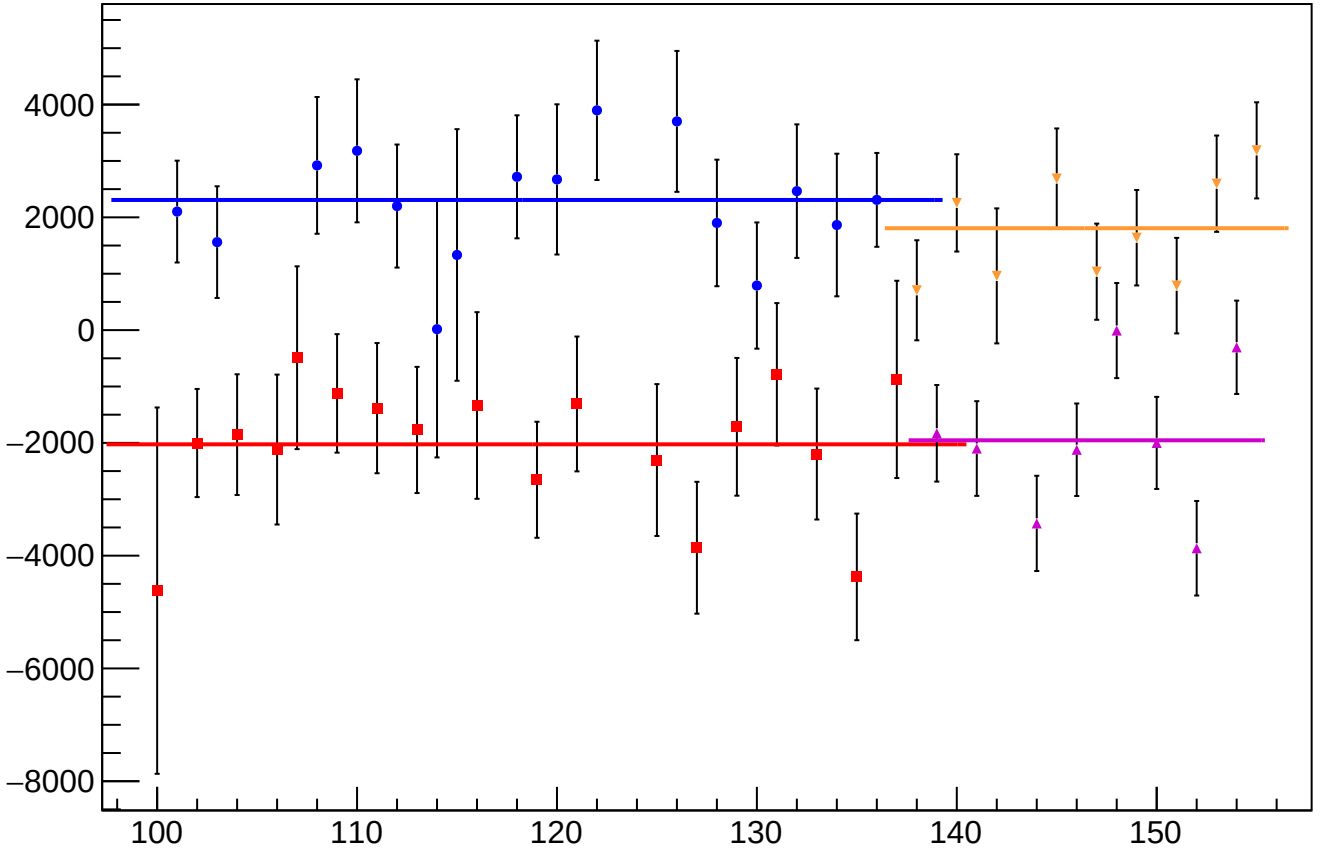
Left In: 1270.526+/-0.346 χ^2/NDF:463522.2/7

+ sign 1205.578+/-0.231 χ^2/NDF: 1091758.2/24

All: 1221.837+/-0.165 χ^2/NDF: 1978804.7/50

- sign 1238.719+/-0.236 χ^2/NDF: 876967.9/25

cor_asym_us_avg_mean vs Slug



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

Left Out: 1806.968+/-295.048 χ^2/NDF:9.1/8

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

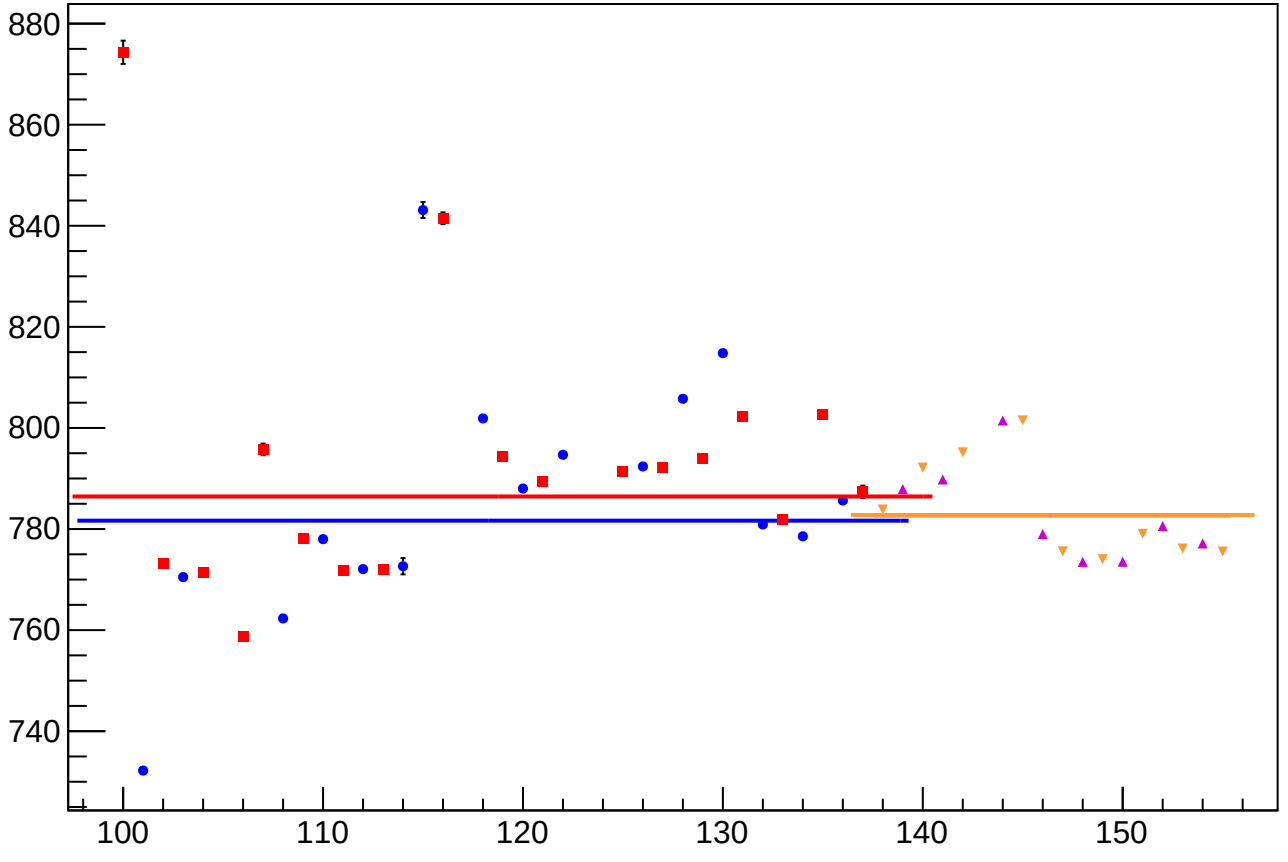
Left In: -1954.189+/-295.421 χ^2/NDF:17.7/7

+ sign 2061.513+/-206.979 χ^2/NDF: 18.3/24

All: 34.463+/-146.320 χ^2/NDF: 239.7/50

- sign -1990.594+/-206.877 χ^2/NDF: 29.6/25

cor_asym_us_avg_rms vs Slug



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

Left Out: 782.771+/-0.209 χ^2/NDF:1998.7/8

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

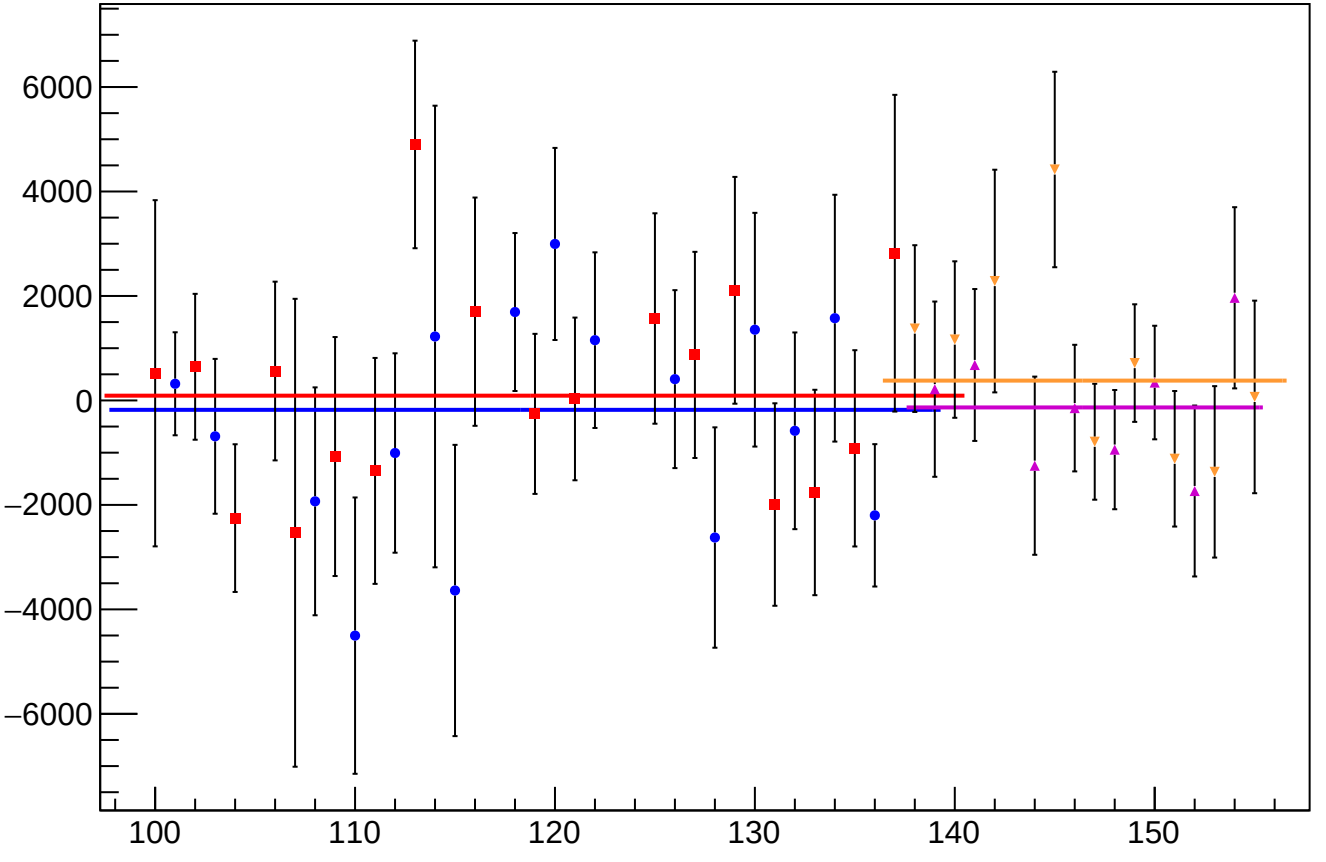
Left In: 782.720+/-0.209 χ^2/NDF:1838.3/7

+ sign 782.204+/-0.146 χ^2/NDF: 14332.3/24

All: 783.411+/-0.103 χ^2/NDF: 23670.1/50

- sign 784.618+/-0.146 χ^2/NDF: 9201.7/25

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: 379.621+/-487.645 χ^2/NDF:9.8/8

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

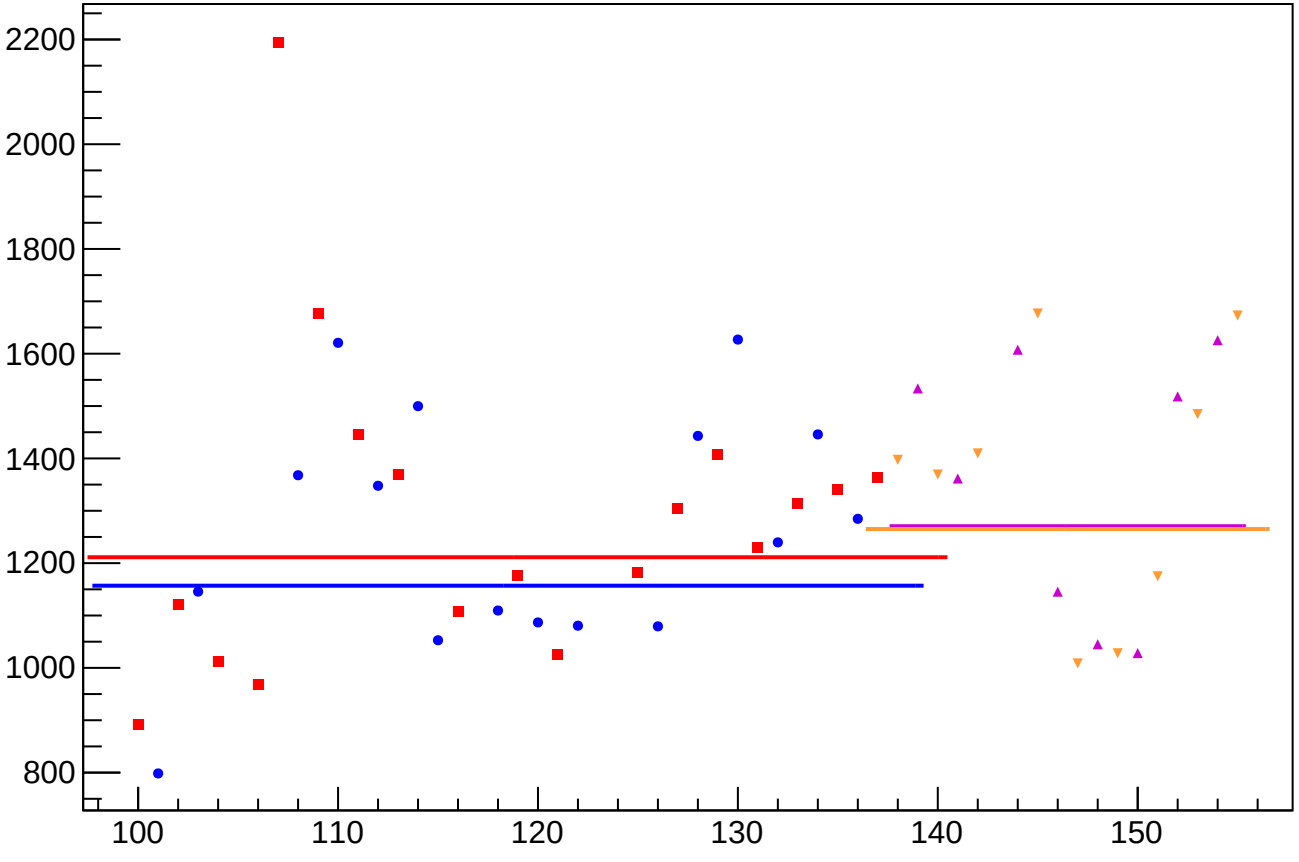
Left In: -133.958+/-489.530 χ^2/NDF:3.9/7

+ sign 71.668+/-326.992 χ^2/NDF: 25.9/24

All: 30.098+/-233.381 χ^2/NDF: 45.2/50

- sign -13.065+/-333.199 χ^2/NDF: 19.2/25

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1265.102+/-0.345 χ^2/NDF:468494.3/8

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

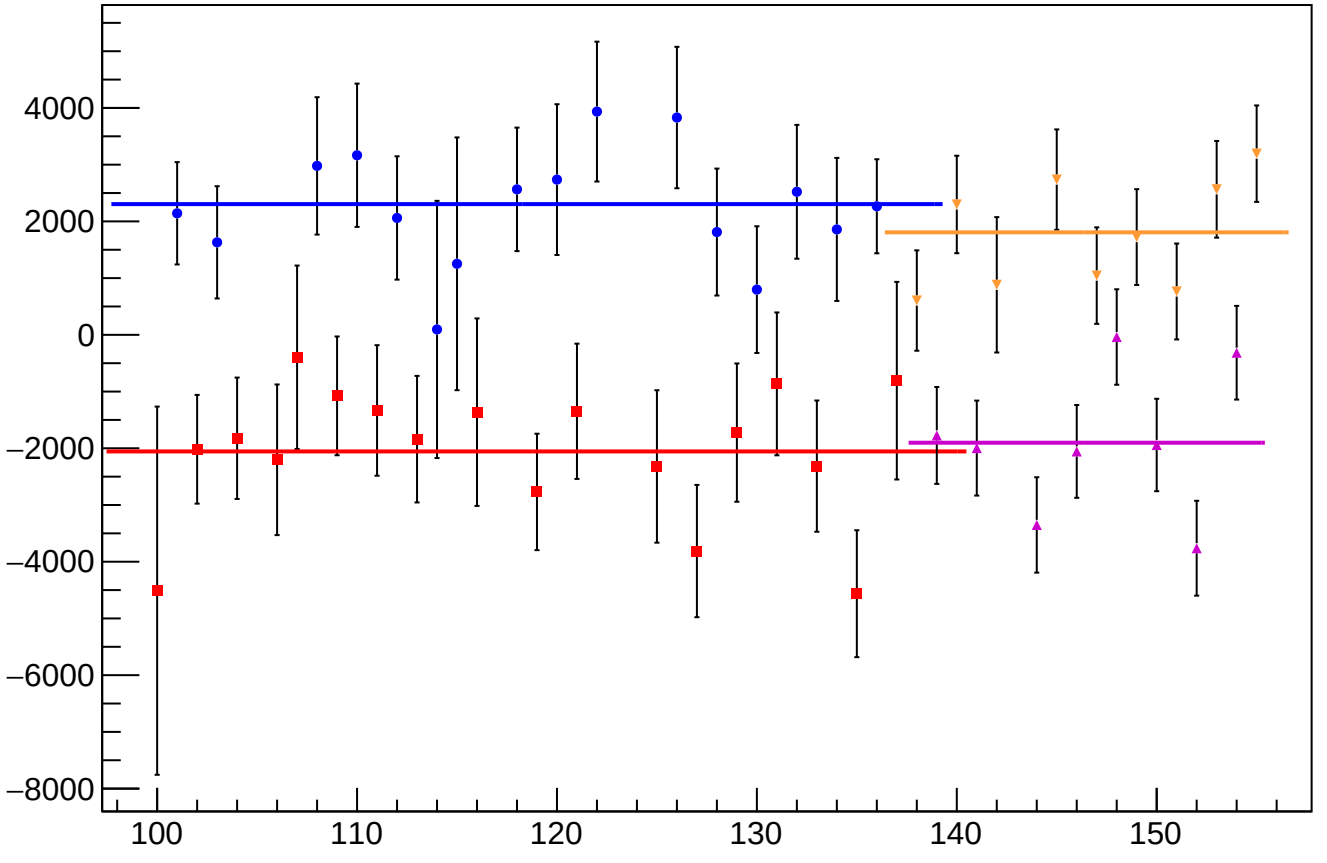
Left In: 1270.526+/-0.346 χ^2/NDF:463522.2/7

+ sign 1205.578+/-0.231 χ^2/NDF: 1091758.2/24

All: 1221.837+/-0.165 χ^2/NDF: 1978804.7/50

- sign 1238.719+/-0.236 χ^2/NDF: 876967.9/25

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1807.024+/-294.216 χ^2/NDF:9.7/8

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

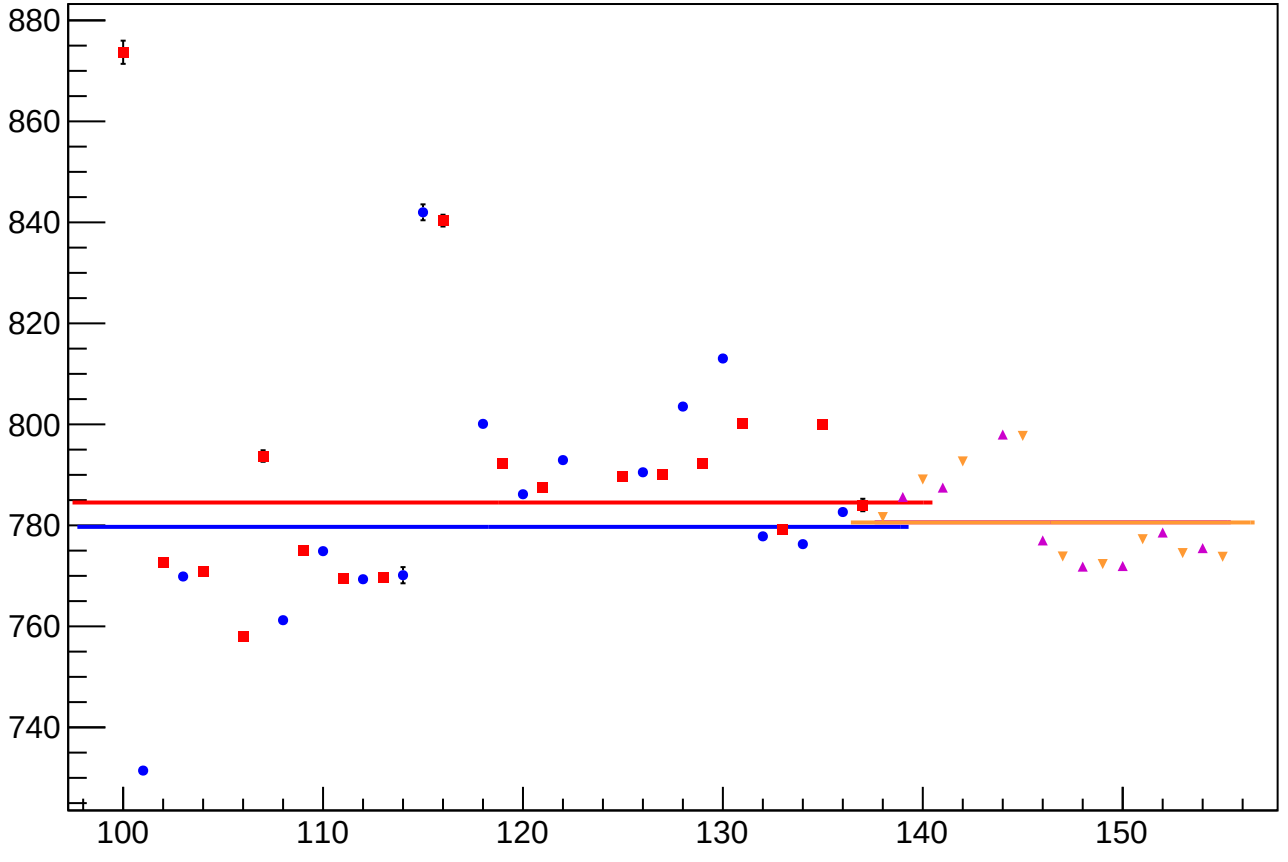
Left In: -1901.933+/-294.624 χ^2/NDF:16.6/7

+ sign 2059.785+/-206.428 χ^2/NDF: 19.2/24

All: 38.960+/-145.938 χ^2/NDF: 240.4/50

- sign -1980.257+/-206.346 χ^2/NDF: 29.6/25

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 780.573+/-0.208 χ^2/NDF:1729.9/8

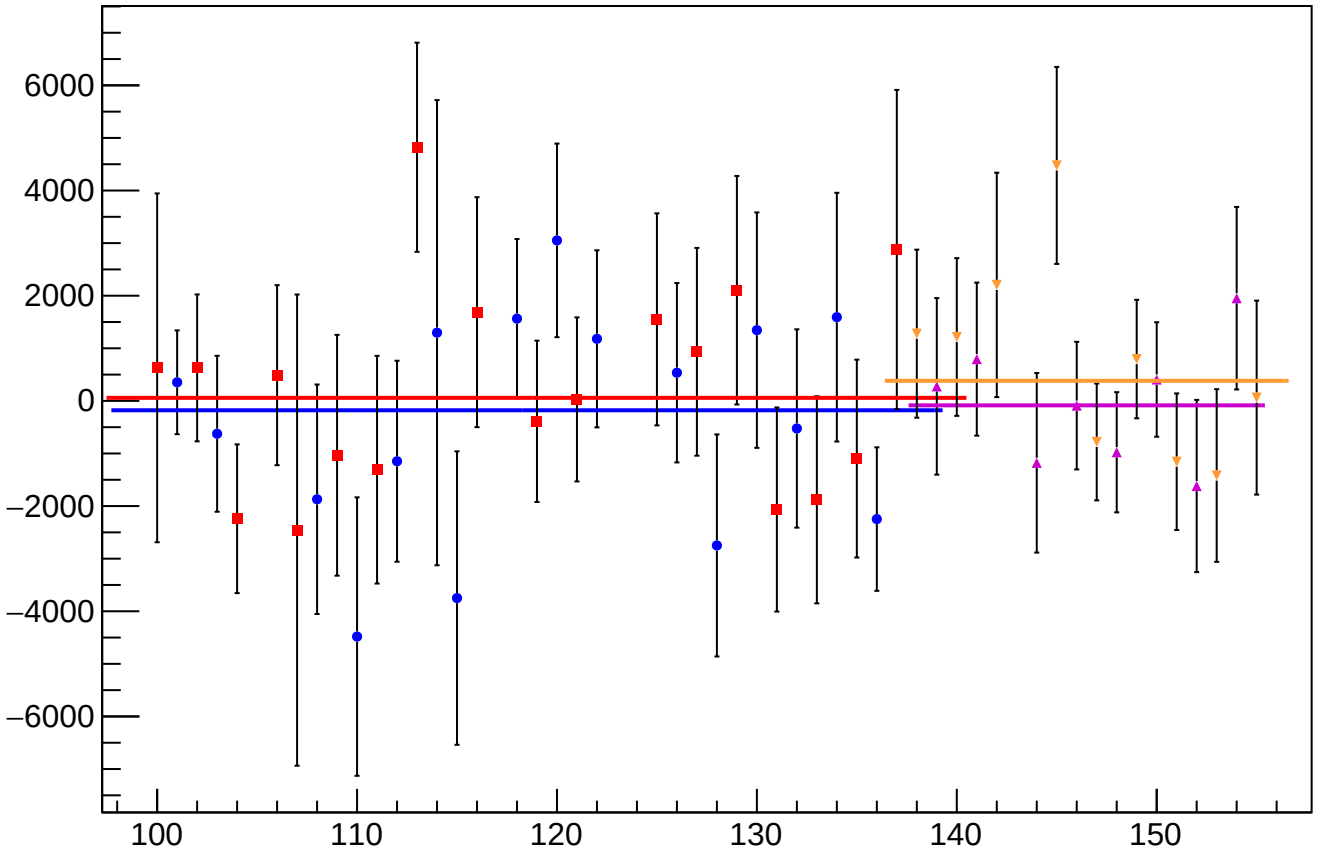
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 780.616+/-0.208 χ^2/NDF:1627.8/7

+ sign 780.131+/-0.146 χ^2/NDF: 13799.0/24

All: 781.370+/-0.103 χ^2/NDF: 22910.2/50

- sign 782.607+/-0.146 χ^2/NDF: 8967.2/25



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

Left Out: 381.918+/-488.168 χ^2/NDF:10.0/8

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

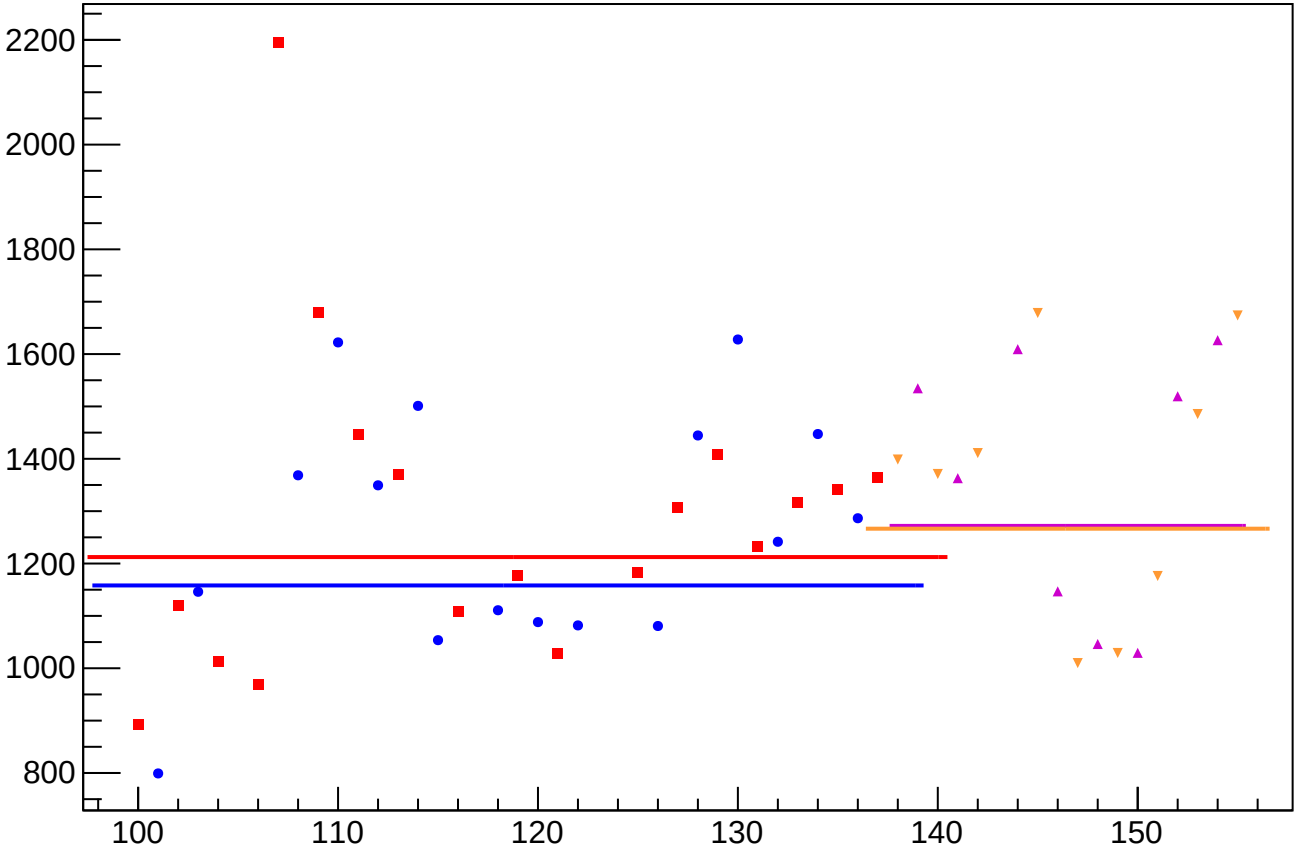
Left In: -84.574+/-490.020 χ^2/NDF:3.9/7

+ sign 73.494+/-327.331 χ^2/NDF: 26.4/24

All: 33.498+/-233.613 χ^2/NDF: 45.6/50

- sign -8.023+/-333.512 χ^2/NDF: 19.2/25

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1266.525+/-0.345 χ^2/NDF:467453.0/8

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

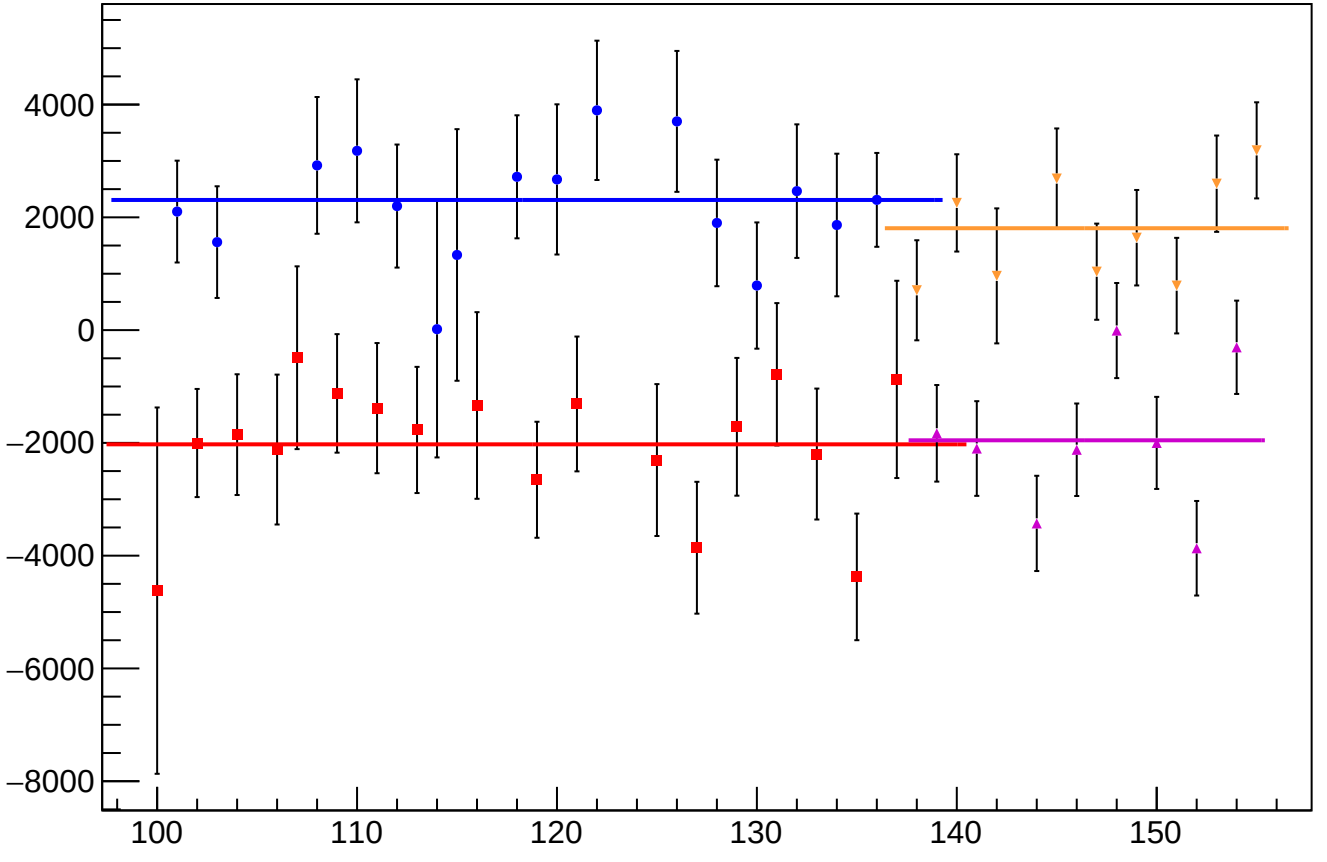
Left In: 1271.848+/-0.346 χ^2/NDF:462619.7/7

+ sign 1206.868+/-0.231 χ^2/NDF: 1090866.7/24

All: 1223.079+/-0.165 χ^2/NDF: 1977252.3/50

- sign 1239.909+/-0.236 χ^2/NDF: 876386.7/25

eigen_cor_asym_us_avg_mean vs Slug



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Left Out: 1806.968+/-295.048 χ^2/NDF:9.1/8

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

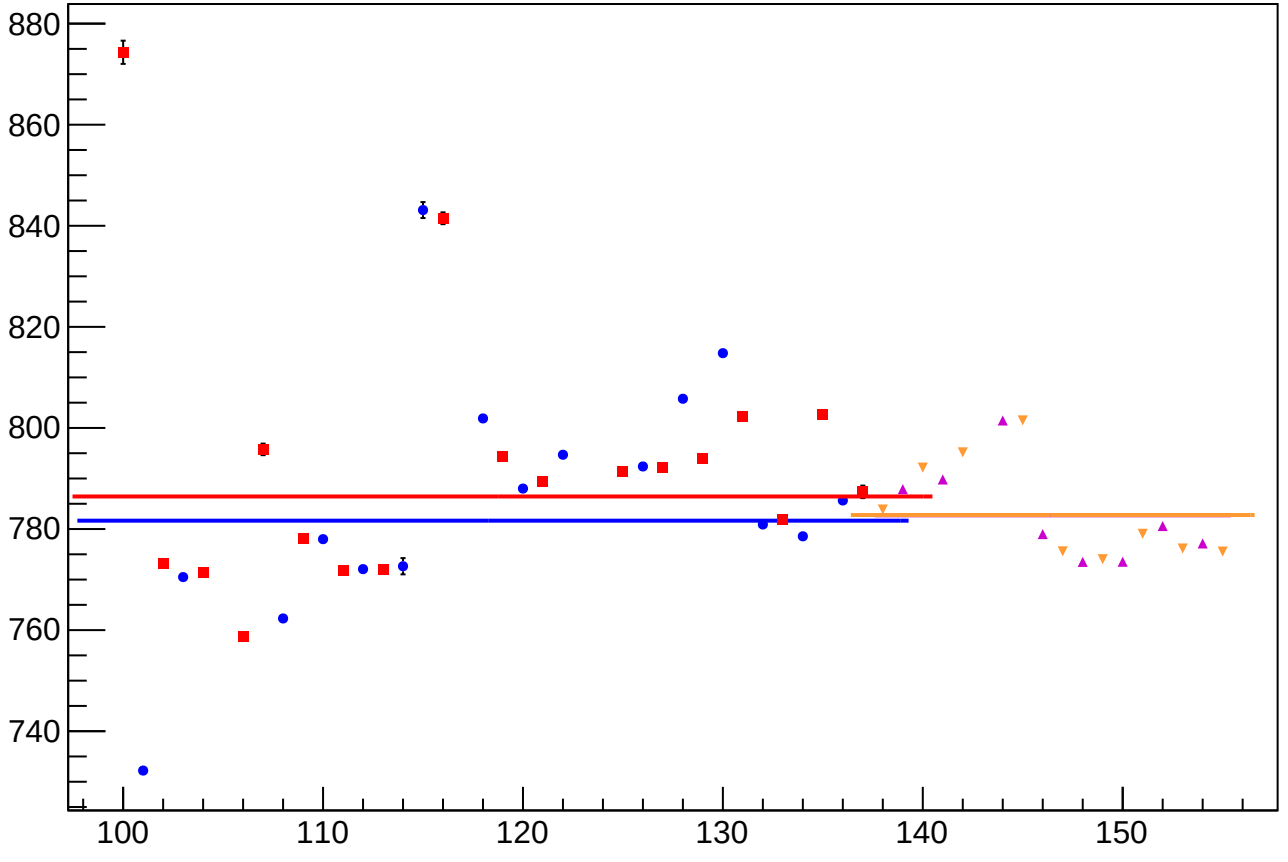
Left In: -1954.189+/-295.421 χ^2/NDF:17.7/7

+ sign 2061.513+/-206.979 χ^2/NDF: 18.3/24

All: 34.463+/-146.320 χ^2/NDF: 239.7/50

- sign -1990.594+/-206.877 χ^2/NDF: 29.6/25

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 782.771+/-0.209 χ^2/NDF:1998.7/8

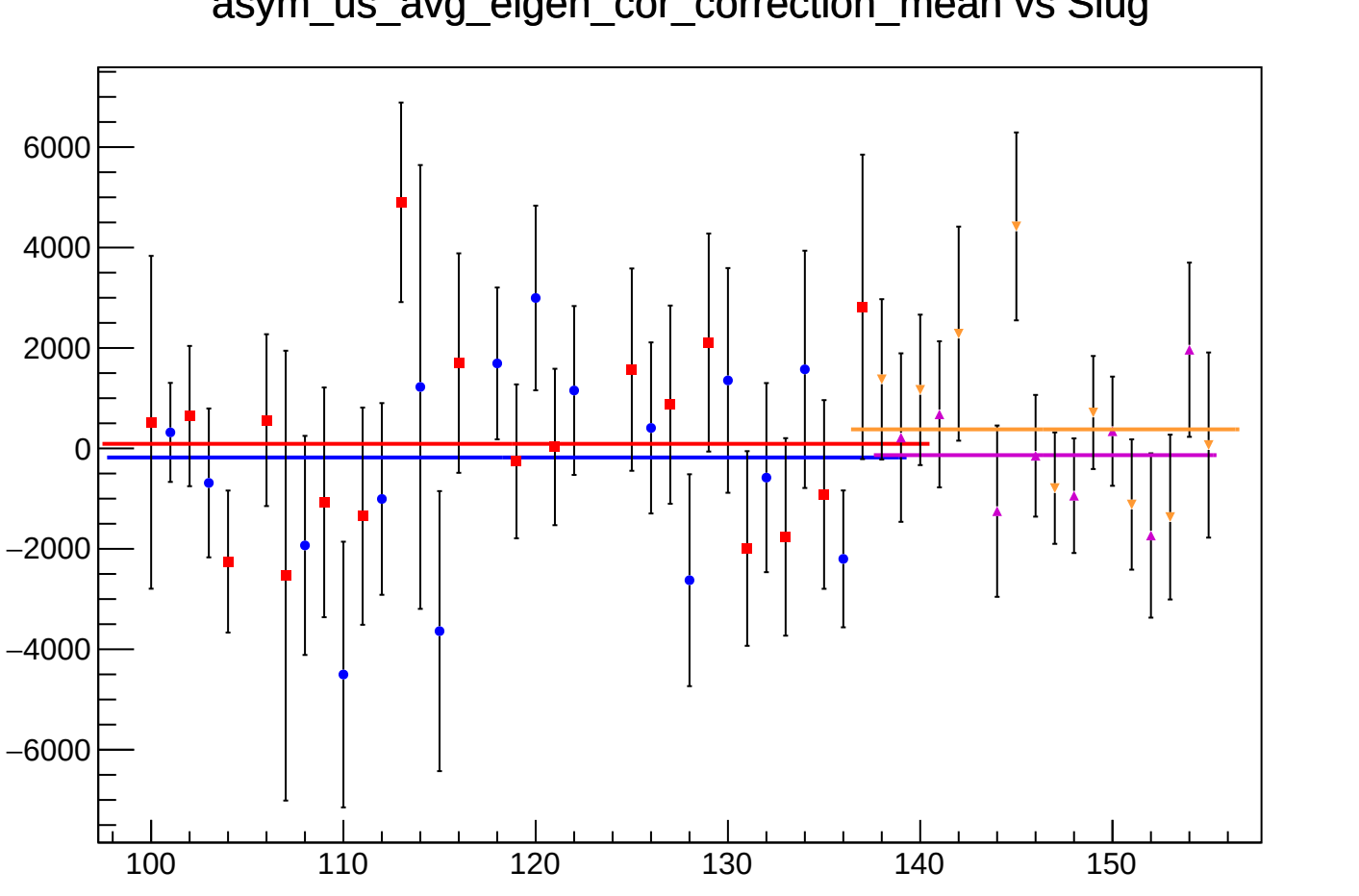
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 782.720+/-0.209 χ^2/NDF:1838.3/7

+ sign 782.204+/-0.146 χ^2/NDF: 14332.3/24

All: 783.411+/-0.103 χ^2/NDF: 23670.1/50

- sign 784.618+/-0.146 χ^2/NDF: 9201.7/25



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

Left Out: 379.621+/-487.645 χ^2/NDF:9.8/8

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

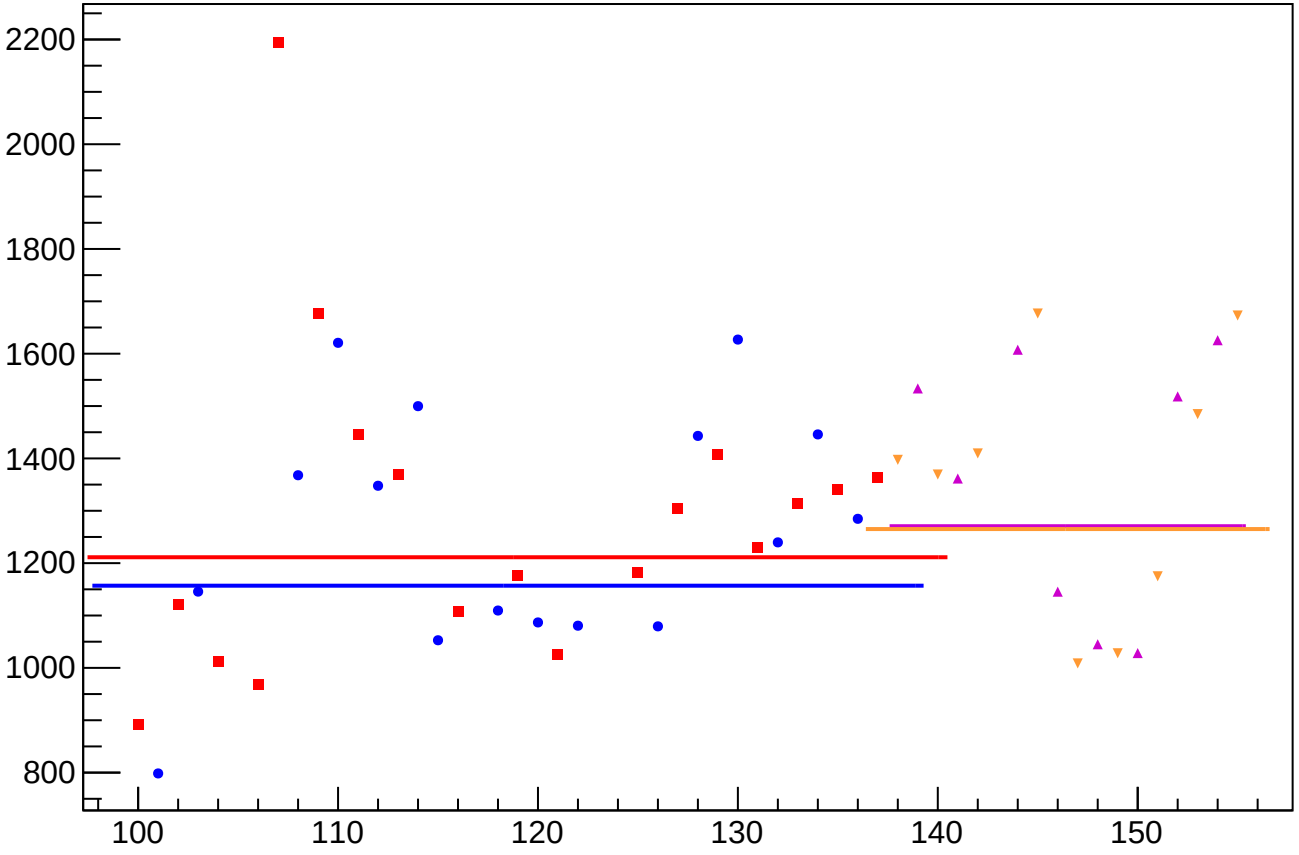
Left In: -133.958+/-489.530 χ^2/NDF:3.9/7

+ sign 71.668+/-326.992 χ^2/NDF: 25.9/24

All: 30.098+/-233.381 χ^2/NDF: 45.2/50

- sign -13.065+/-333.199 χ^2/NDF: 19.2/25

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1265.102+/-0.345 χ^2/NDF:468494.3/8

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

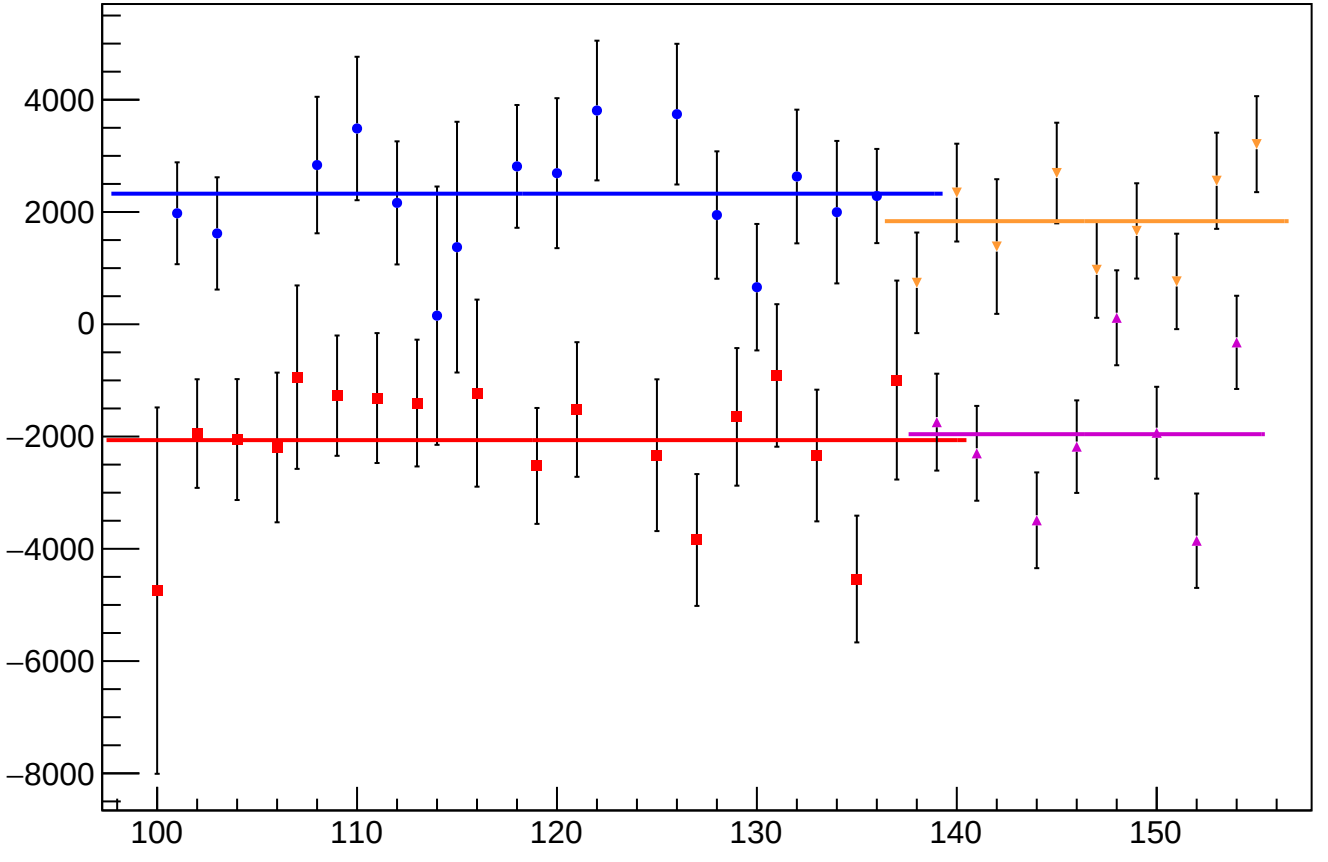
Left In: 1270.526+/-0.346 χ^2/NDF:463522.2/7

+ sign 1205.578+/-0.231 χ^2/NDF: 1091758.2/24

All: 1221.837+/-0.165 χ^2/NDF: 1978804.7/50

- sign 1238.719+/-0.236 χ^2/NDF: 876967.9/25

dit_asym_us_avg_mean vs Slug



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

Left Out: 1836.765+/-296.541 χ^2/NDF:8.8/8

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

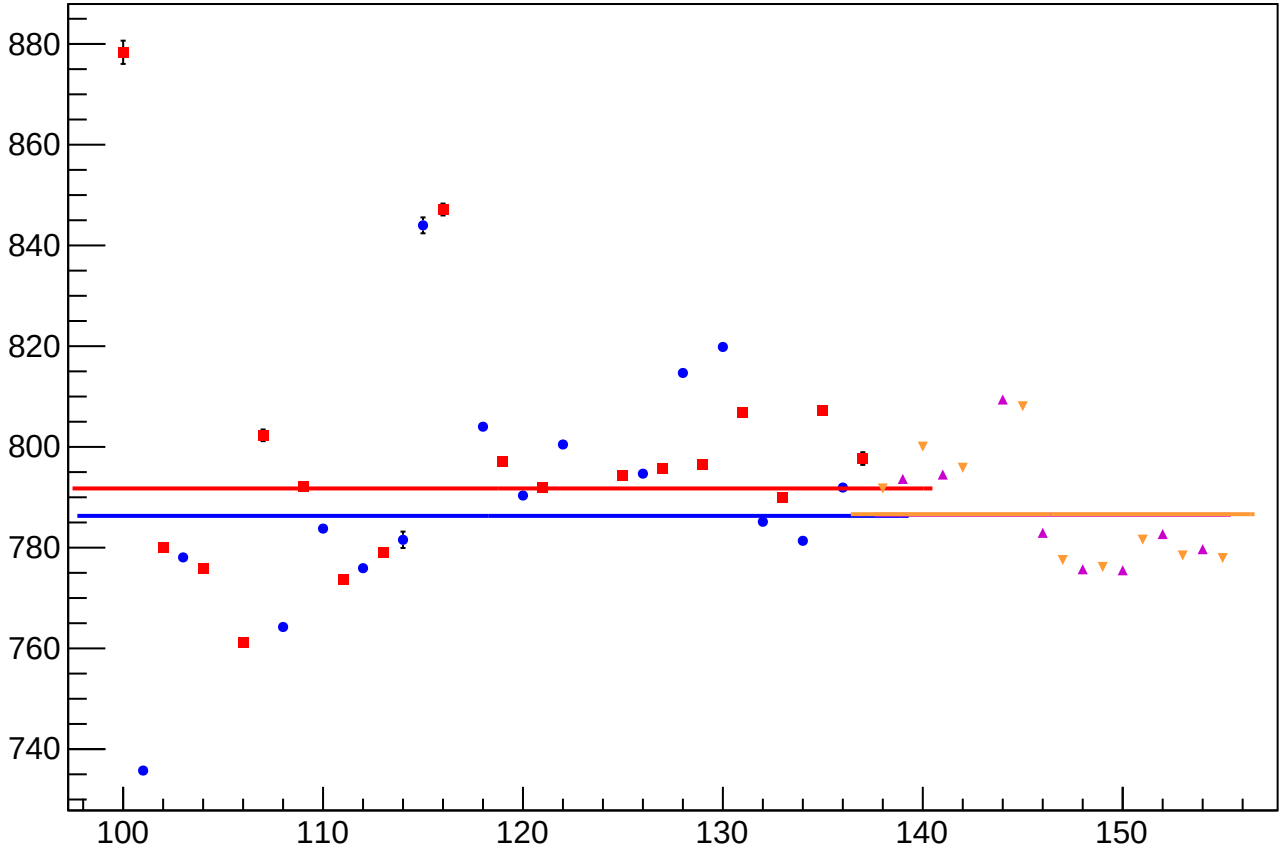
Left In: -1958.005+/-296.885 χ^2/NDF:18.5/7

+ sign 2085.228+/-208.125 χ^2/NDF: 18.4/24

All: 36.455+/-147.160 χ^2/NDF: 242.4/50

- sign -2011.908+/-208.105 χ^2/NDF: 30.2/25

dit_asym_us_avg_rms vs Slug



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

Left Out: 786.643+/-0.210 χ^2/NDF:2791.4/8

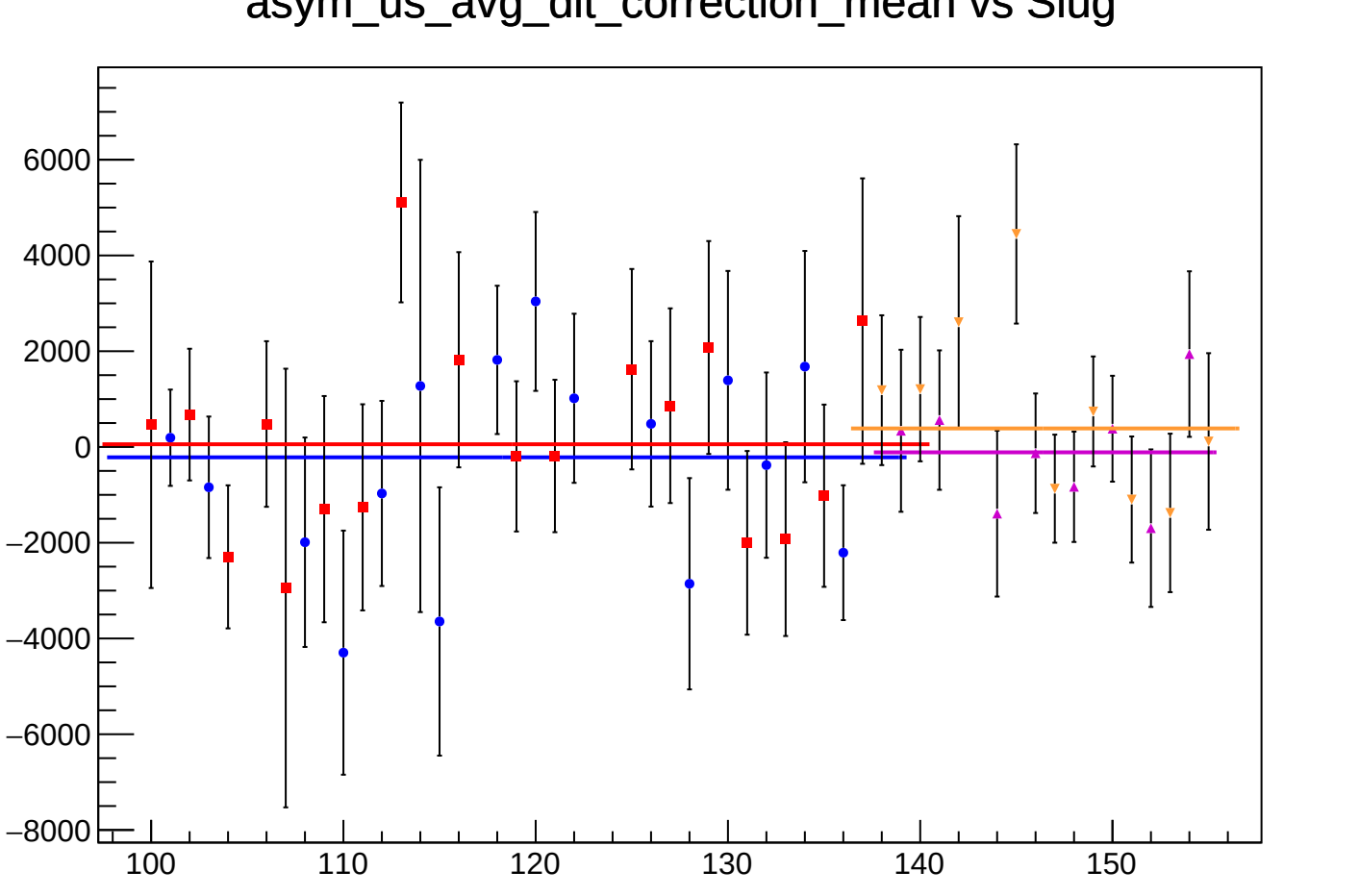
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 786.535+/-0.210 χ^2/NDF:2658.5/7

\+ sign 786.474+/-0.147 χ^2/NDF: 15363.7/24

All: 787.832+/-0.104 χ^2/NDF: 25522.5/50

\- sign 789.191+/-0.147 χ^2/NDF: 9988.3/25



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

Left Out: 386.943+/-492.892 χ^2/NDF:10.0/8

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

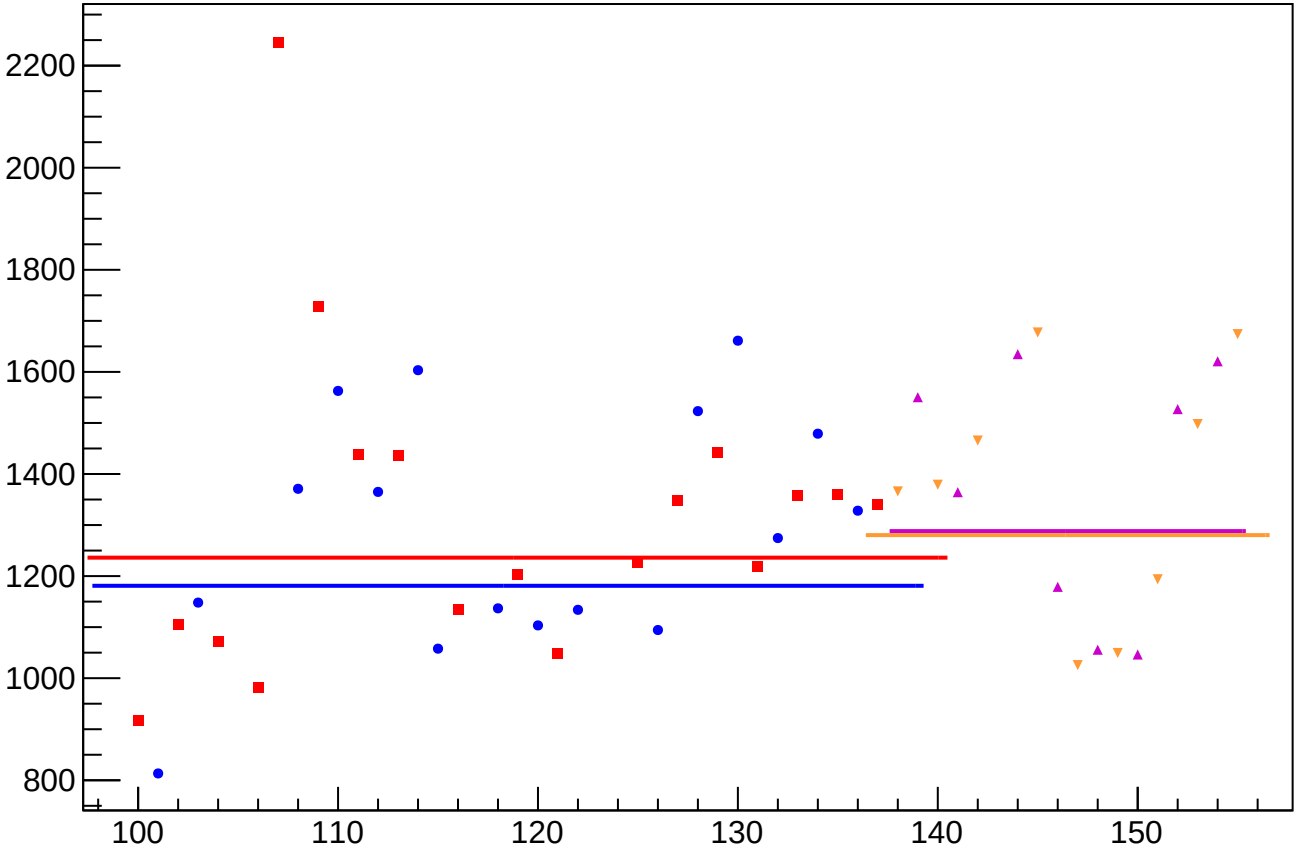
Left In: -112.224+/-495.656 χ^2/NDF:3.8/7

+ sign 57.692+/-332.143 χ^2/NDF: 26.1/24

All: 18.556+/-237.154 χ^2/NDF: 45.1/50

- sign -22.147+/-338.728 χ^2/NDF: 19.0/25

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1280.264+/-0.349 χ^2/NDF:435529.7/8

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

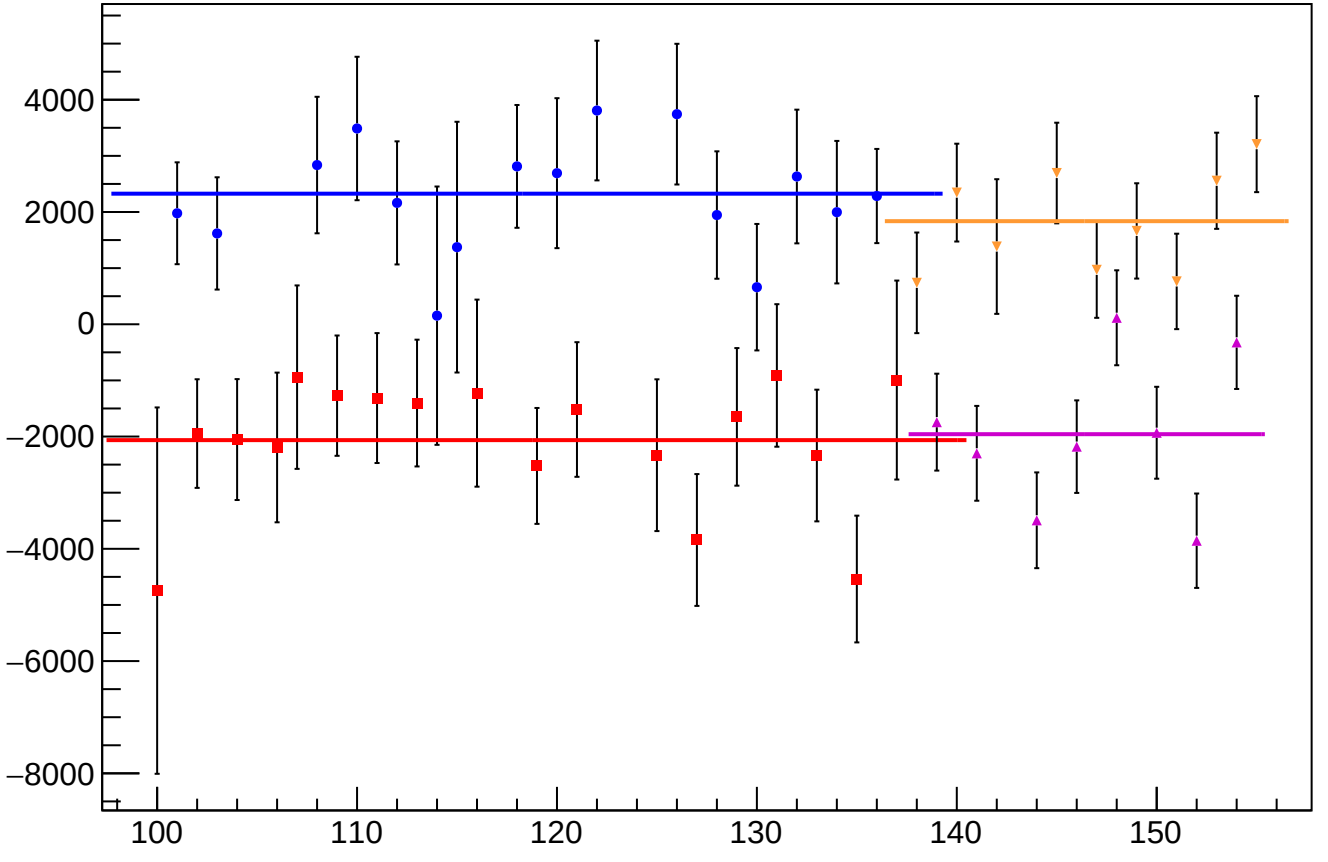
Left In: 1288.151+/-0.350 χ^2/NDF:442030.2/7

+ sign 1226.074+/-0.235 χ^2/NDF: 1050921.0/24

All: 1242.913+/-0.168 χ^2/NDF: 1912421.3/50

- sign 1260.428+/-0.240 χ^2/NDF: 851012.4/25

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1836.763+/-296.541 χ^2/NDF:8.8/8

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

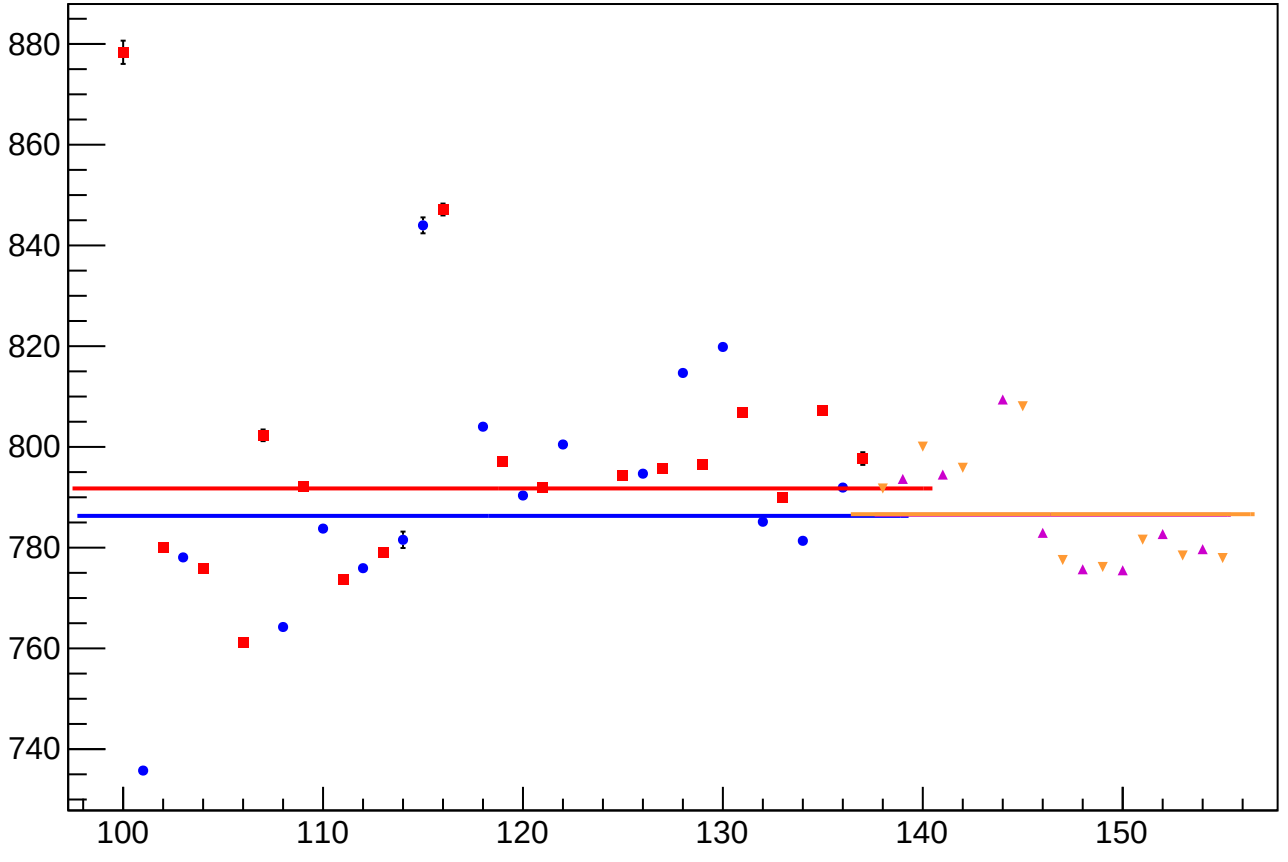
Left In: -1958.006+/-296.885 χ^2/NDF:18.5/7

+ sign 2085.227+/-208.125 χ^2/NDF: 18.4/24

All: 36.455+/-147.160 χ^2/NDF: 242.4/50

- sign -2011.907+/-208.105 χ^2/NDF: 30.2/25

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 786.643+/-0.210 χ^2/NDF:2791.3/8

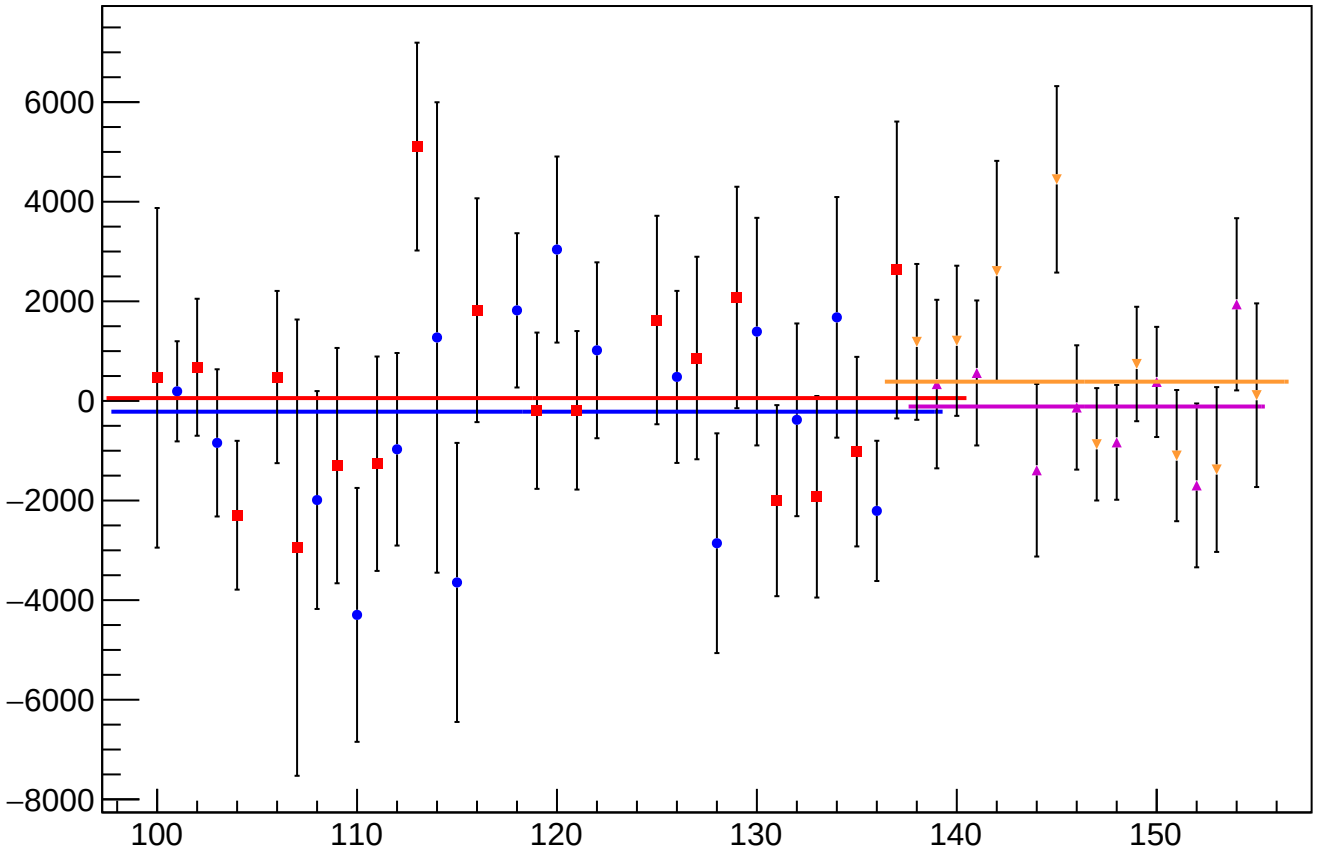
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 786.535+/-0.210 χ^2/NDF:2658.5/7

+ sign 786.474+/-0.147 χ^2/NDF: 15363.7/24

All: 787.832+/-0.104 χ^2/NDF: 25522.4/50

- sign 789.191+/-0.147 χ^2/NDF: 9988.3/25



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

Left Out: 386.939+/-492.893 χ^2/NDF:10.0/8

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

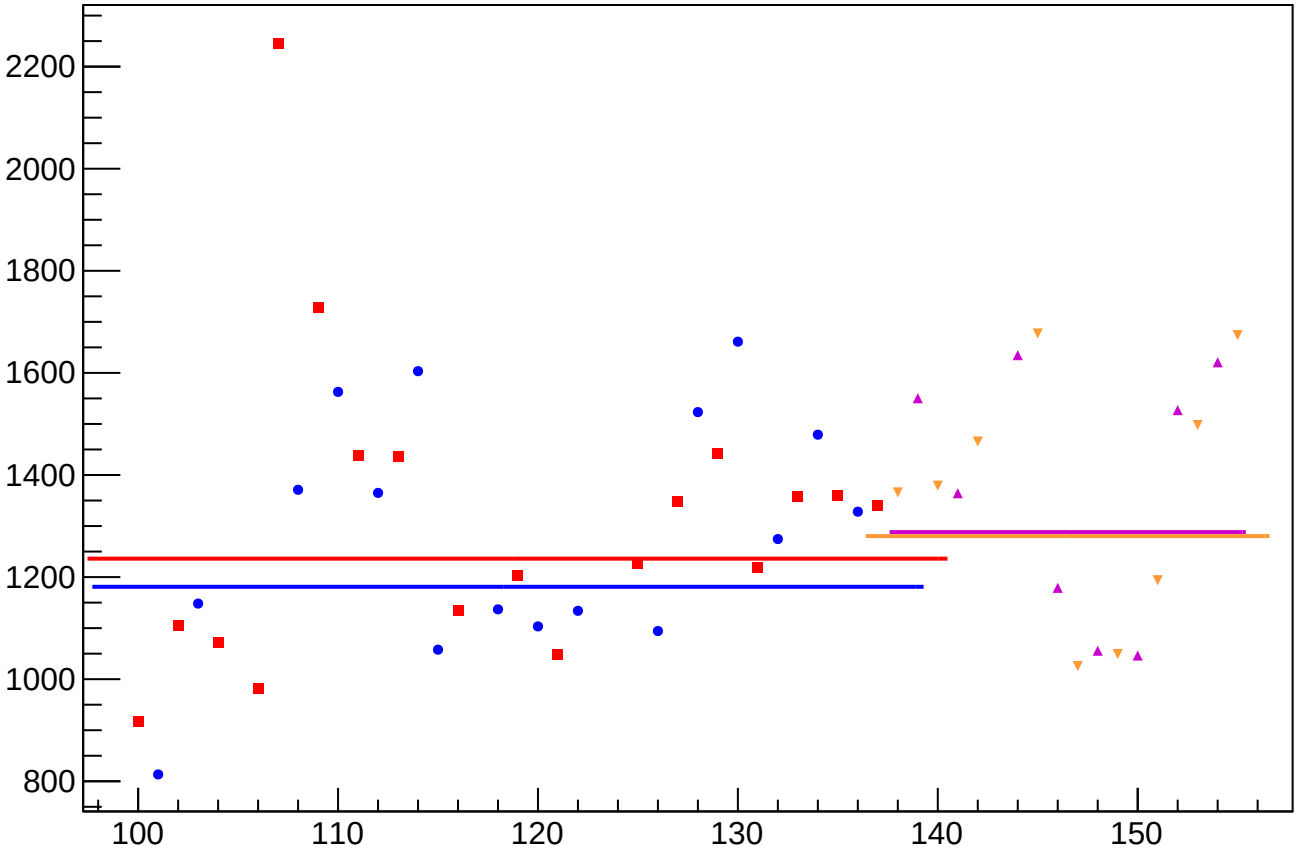
Left In: -112.225+/-495.657 χ^2/NDF:3.8/7

+ sign 57.689+/-332.142 χ^2/NDF: 26.1/24

All: 18.555+/-237.154 χ^2/NDF: 45.1/50

- sign -22.147+/-338.727 χ^2/NDF: 19.0/25

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1280.266+/-0.349 χ^2/NDF:435531.6/8

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

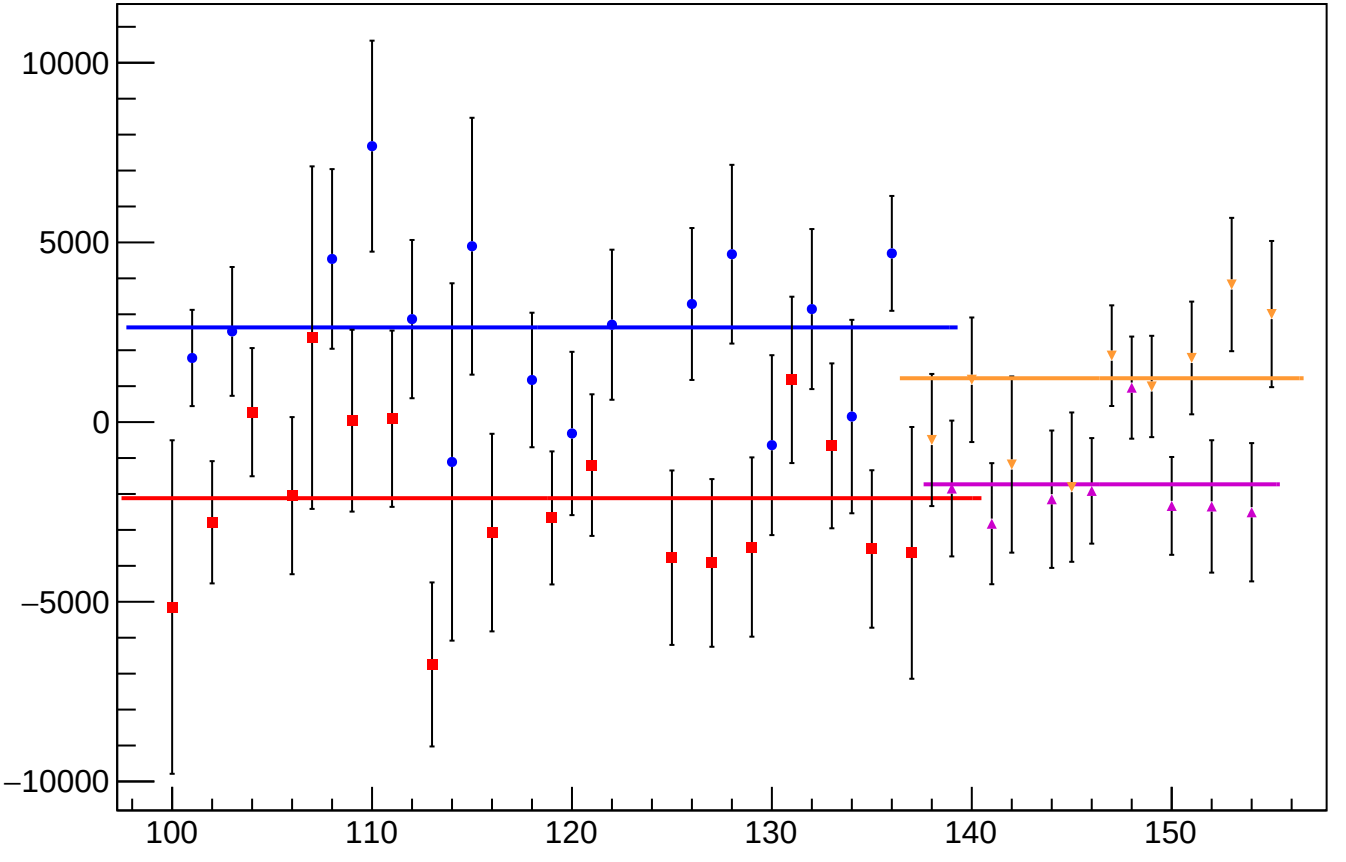
Left In: 1288.154+/-0.350 χ^2/NDF:442031.0/7

+ sign 1226.073+/-0.235 χ^2/NDF: 1050925.6/24

All: 1242.913+/-0.168 χ^2/NDF: 1912427.8/50

- sign 1260.427+/-0.240 χ^2/NDF: 851014.2/25

asym_us_avg_mean vs Slug



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

Left Out: 1220.425+/-579.459 χ^2/NDF:7.1/8

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

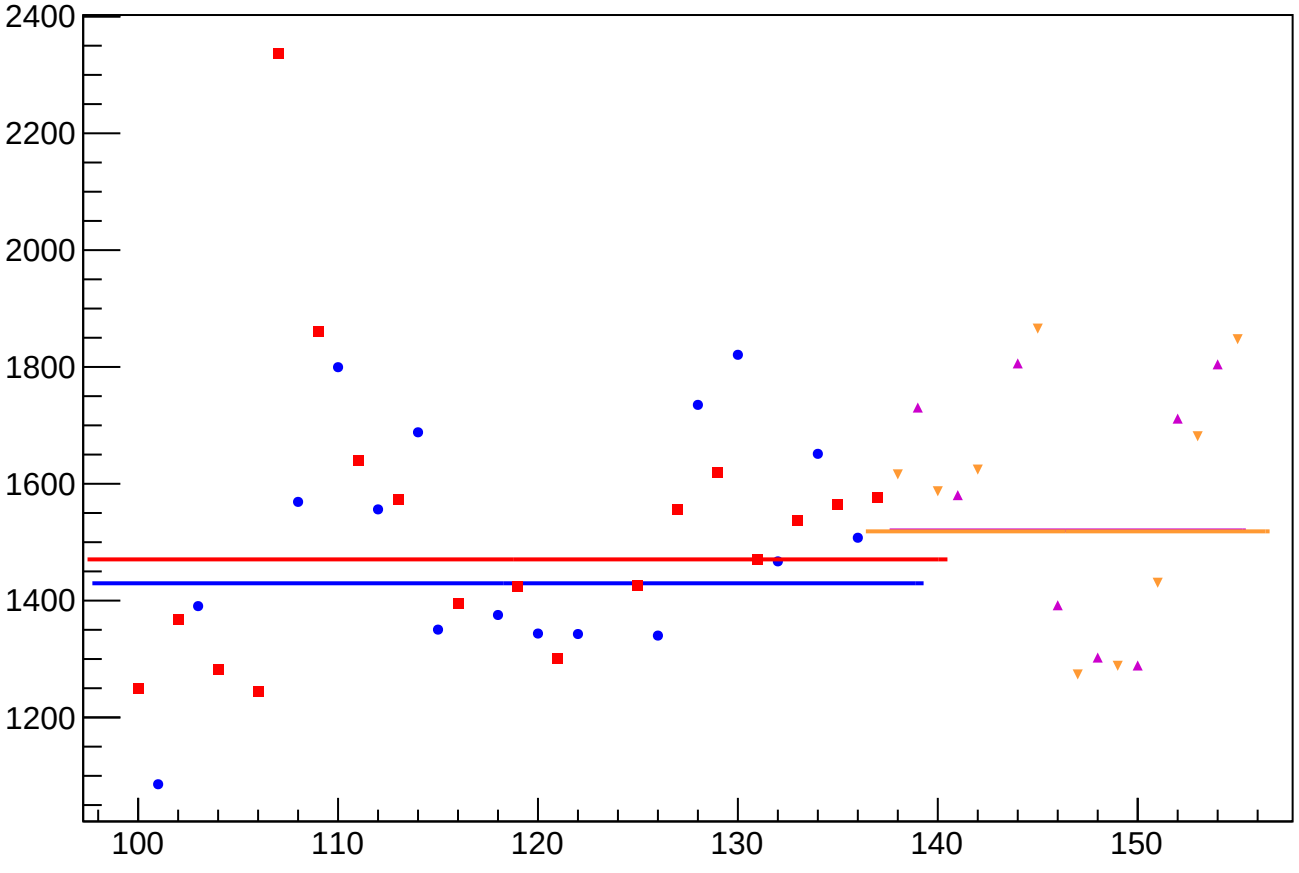
Left In: -1731.272+/-580.350 χ^2/NDF:4.5/7

+ sign 1980.291+/-394.280 χ^2/NDF: 22.5/24

All: 41.992+/-280.188 χ^2/NDF: 89.9/50

- sign -1935.453+/-398.241 χ^2/NDF: 18.5/25

asym_us_avg_rms vs Slug



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

Left Out: 1518.558+/-0.410 χ^2/NDF:256747.9/8

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

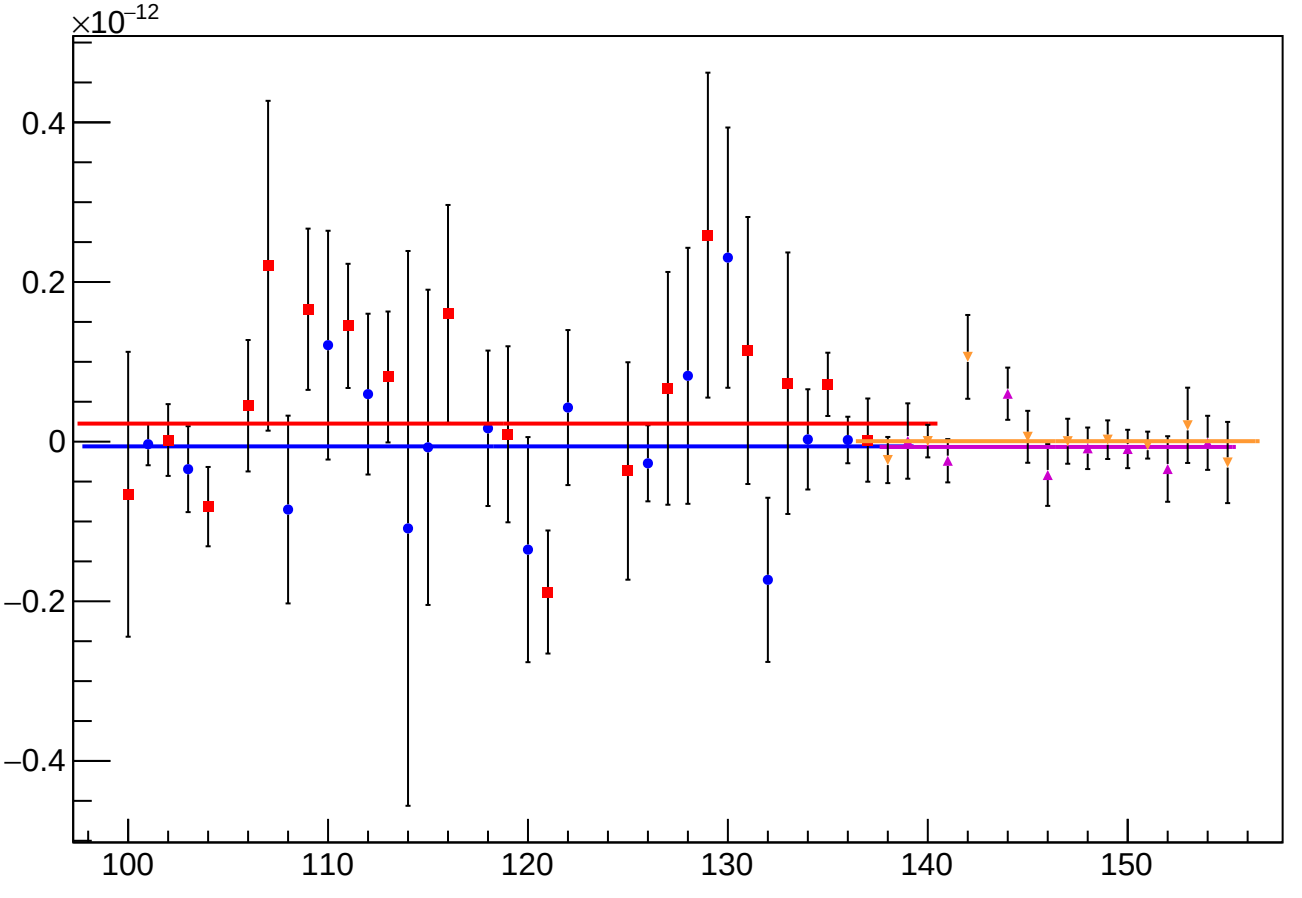
Left In: 1520.115+/-0.410 χ^2/NDF:257198.6/7

+ sign 1470.815+/-0.279 χ^2/NDF: 575418.7/24

All: 1482.241+/-0.198 χ^2/NDF: 1061792.0/50

- sign 1493.897+/-0.282 χ^2/NDF: 482980.2/25

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/8

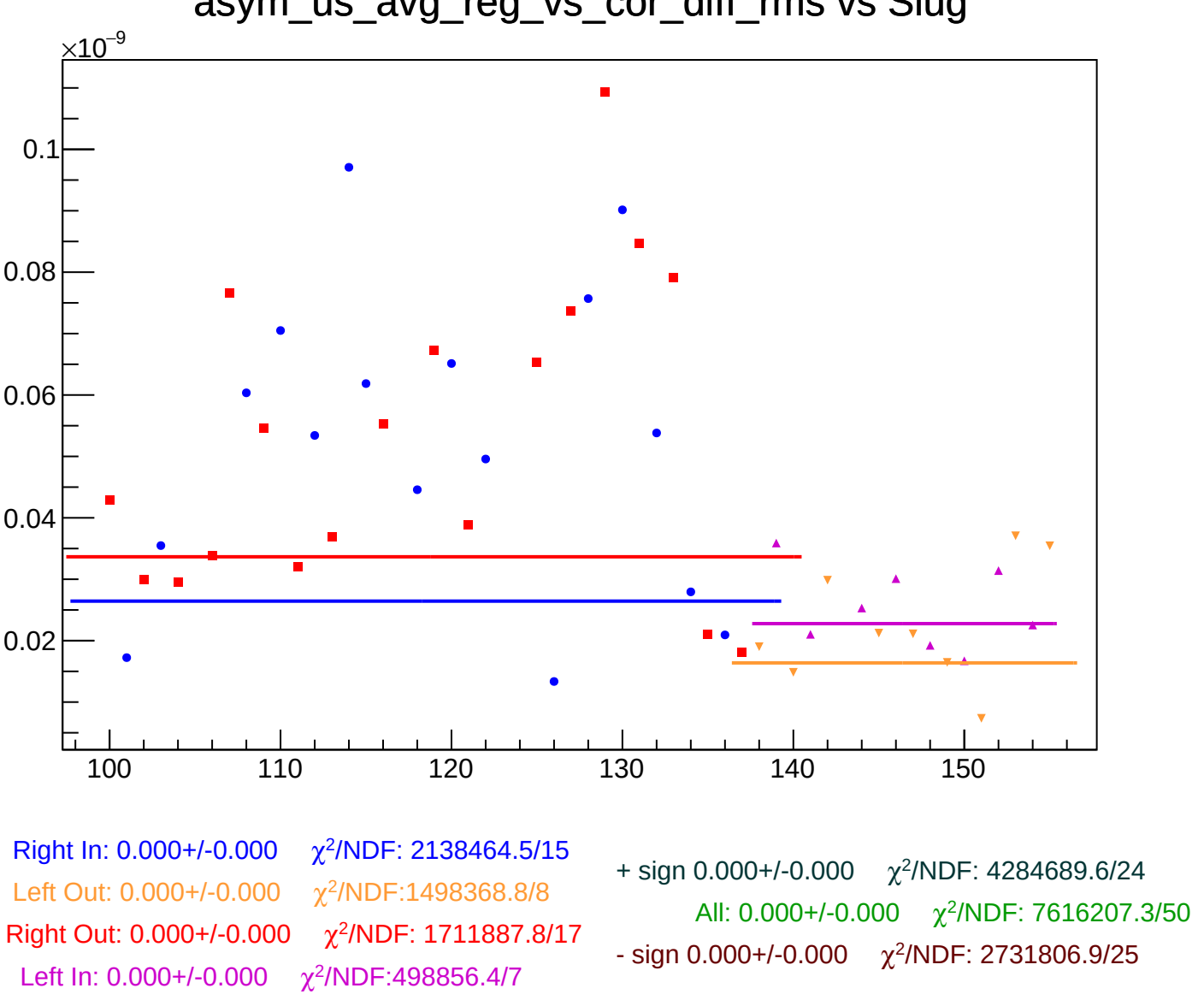
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.9/7

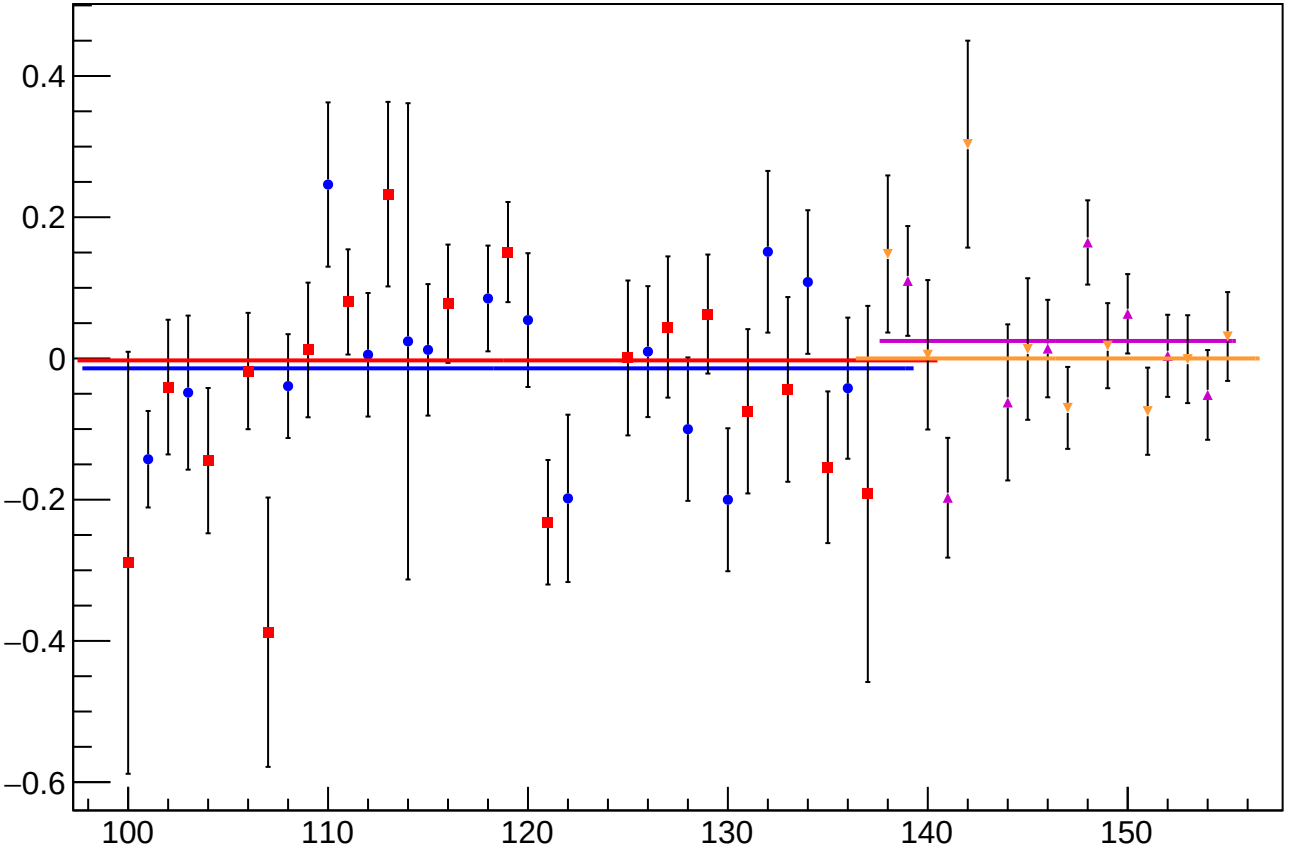
+ sign -0.000+/-0.000 χ^2/NDF: 13.9/24

All: -0.000+/-0.000 χ^2/NDF: 44.8/50

- sign 0.000+/-0.000 χ^2/NDF: 30.8/25


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1498368.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:498856.4/7
+ sign 0.000+/-0.000 χ²/NDF: 4284689.6/24
All: 0.000+/-0.000 χ²/NDF: 7616207.3/50
- sign 0.000+/-0.000 χ²/NDF: 2731806.9/25

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.025 χ^2/NDF:9.3/8

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

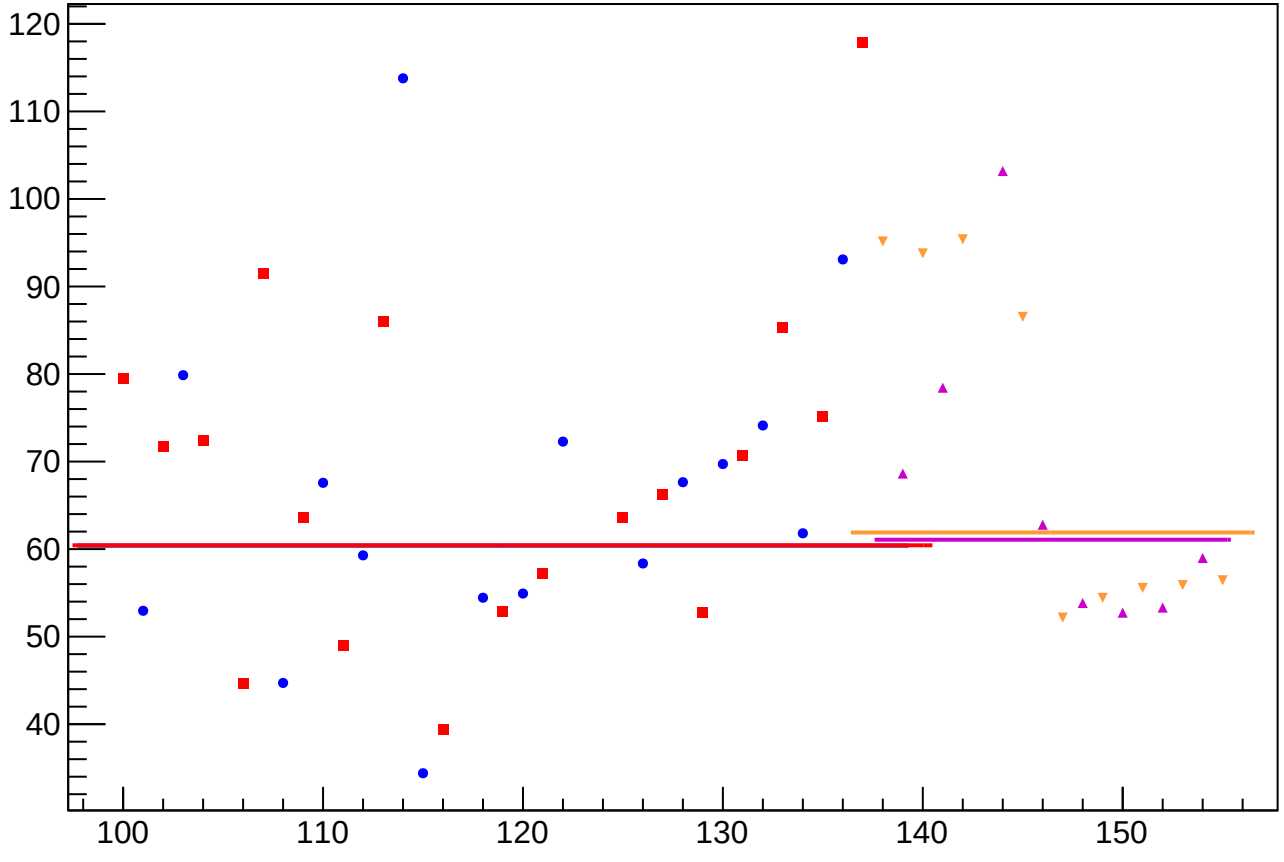
Left In: 0.025+/-0.024 χ^2/NDF:16.2/7

+ sign -0.007+/-0.017 χ^2/NDF: 30.9/24

All: 0.002+/-0.012 χ^2/NDF: 76.0/50

- sign 0.011+/-0.017 χ^2/NDF: 44.6/25

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 61.900+/-0.017 χ^2/NDF:727112.3/8

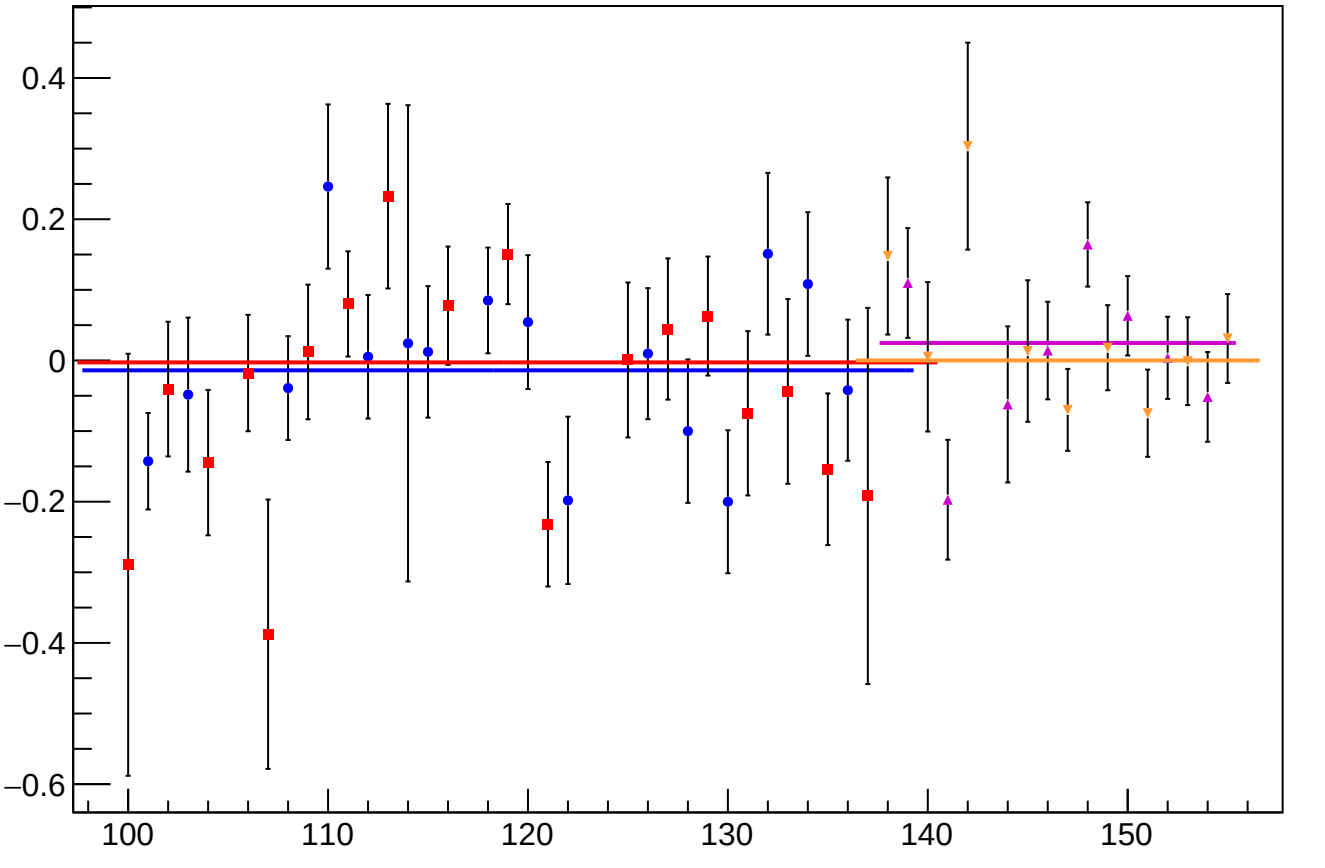
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.072+/-0.017 χ^2/NDF:505400.5/7

+ sign 61.129+/-0.012 χ^2/NDF: 1434115.1/24

All: 60.937+/-0.008 χ^2/NDF: 2651817.6/50

- sign 60.750+/-0.012 χ^2/NDF: 1217206.6/25



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

Left Out: 0.000+/-0.025 χ^2/NDF:9.3/8

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

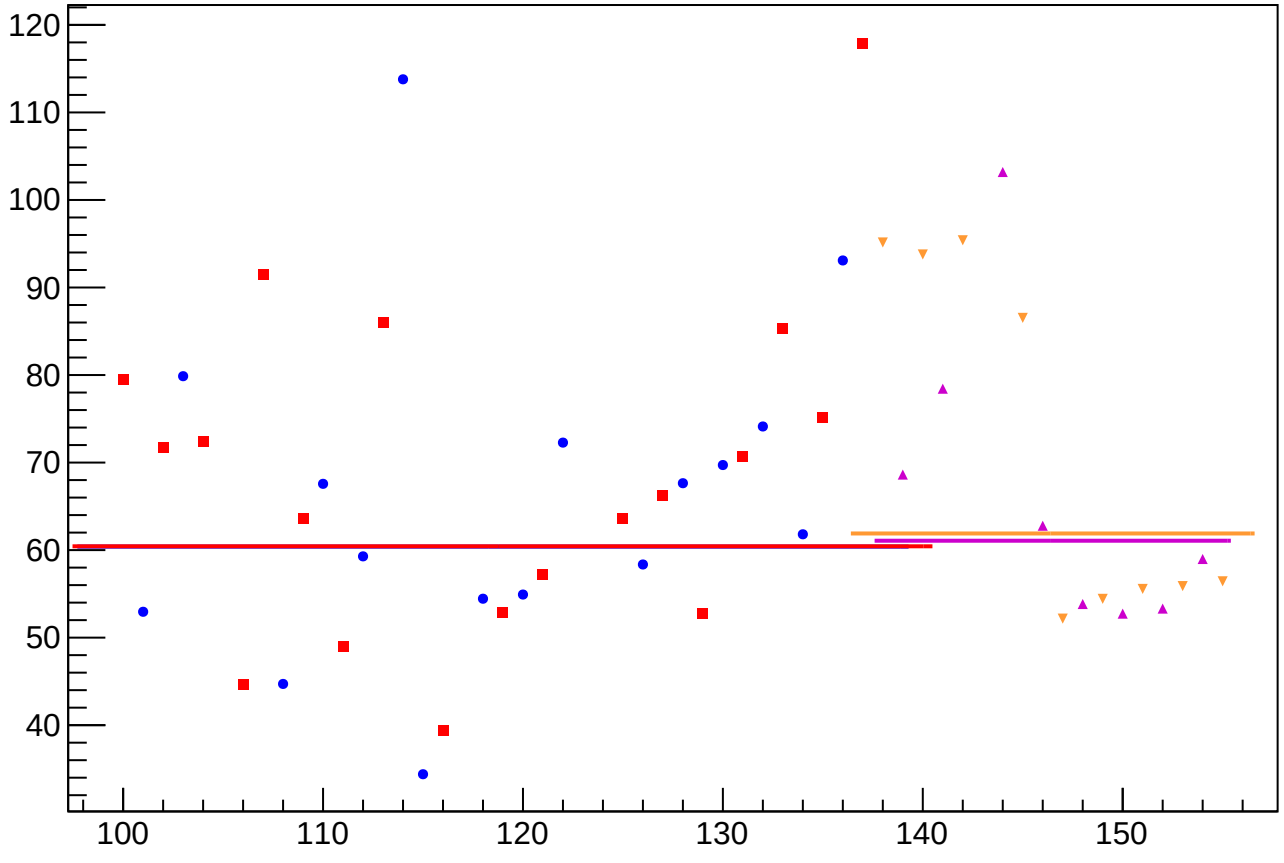
Left In: 0.025+/-0.024 χ^2/NDF:16.2/7

+ sign -0.007+/-0.017 χ^2/NDF: 30.9/24

All: 0.002+/-0.012 χ^2/NDF: 76.0/50

- sign 0.011+/-0.017 χ^2/NDF: 44.6/25

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: 61.900+/-0.017 χ^2/NDF:727112.3/8

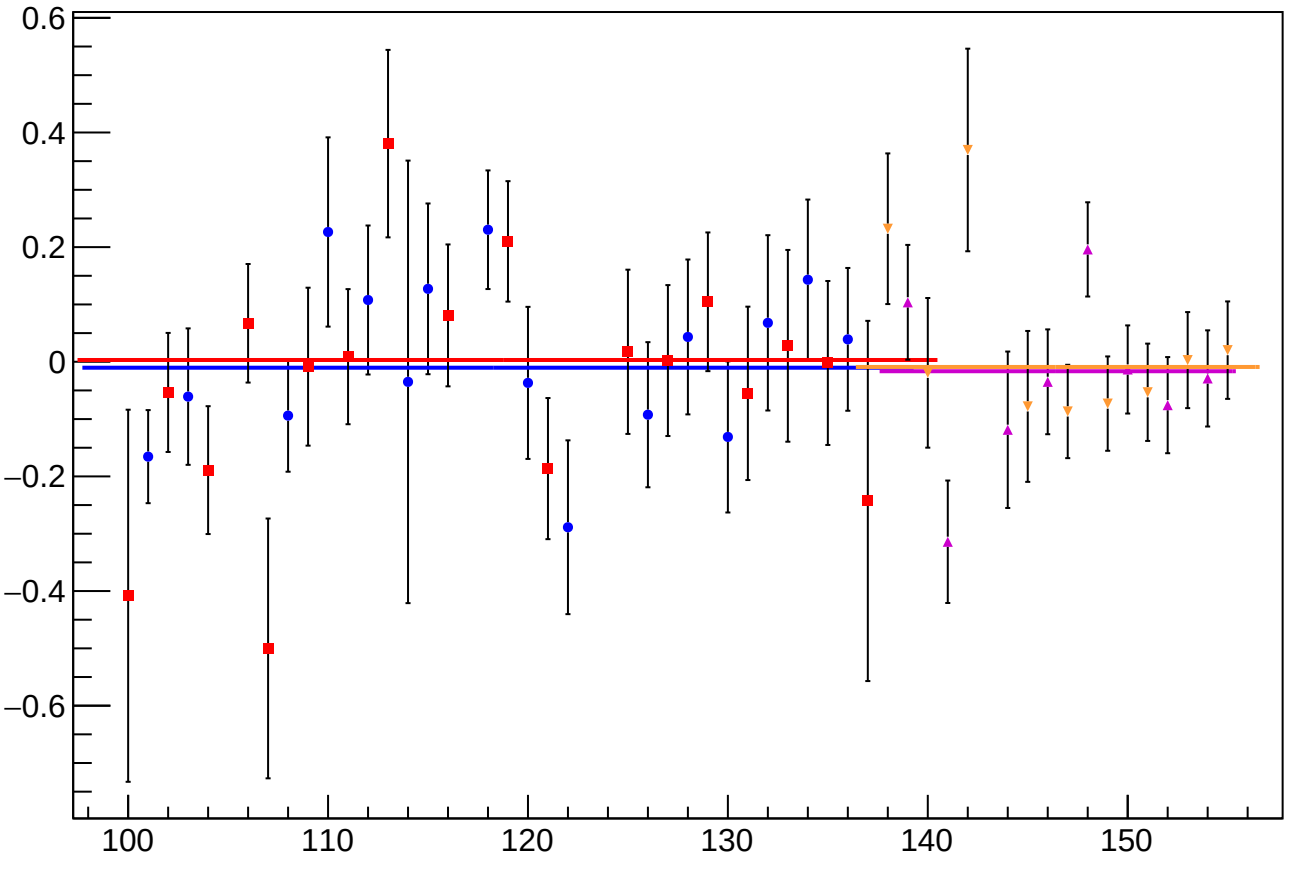
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.072+/-0.017 χ^2/NDF:505400.5/7

+ sign 61.129+/-0.012 χ^2/NDF: 1434115.1/24

All: 60.937+/-0.008 χ^2/NDF: 2651817.6/50

- sign 60.750+/-0.012 χ^2/NDF: 1217206.6/25



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

Left Out: -0.009+/-0.033 χ^2/NDF:10.2/8

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

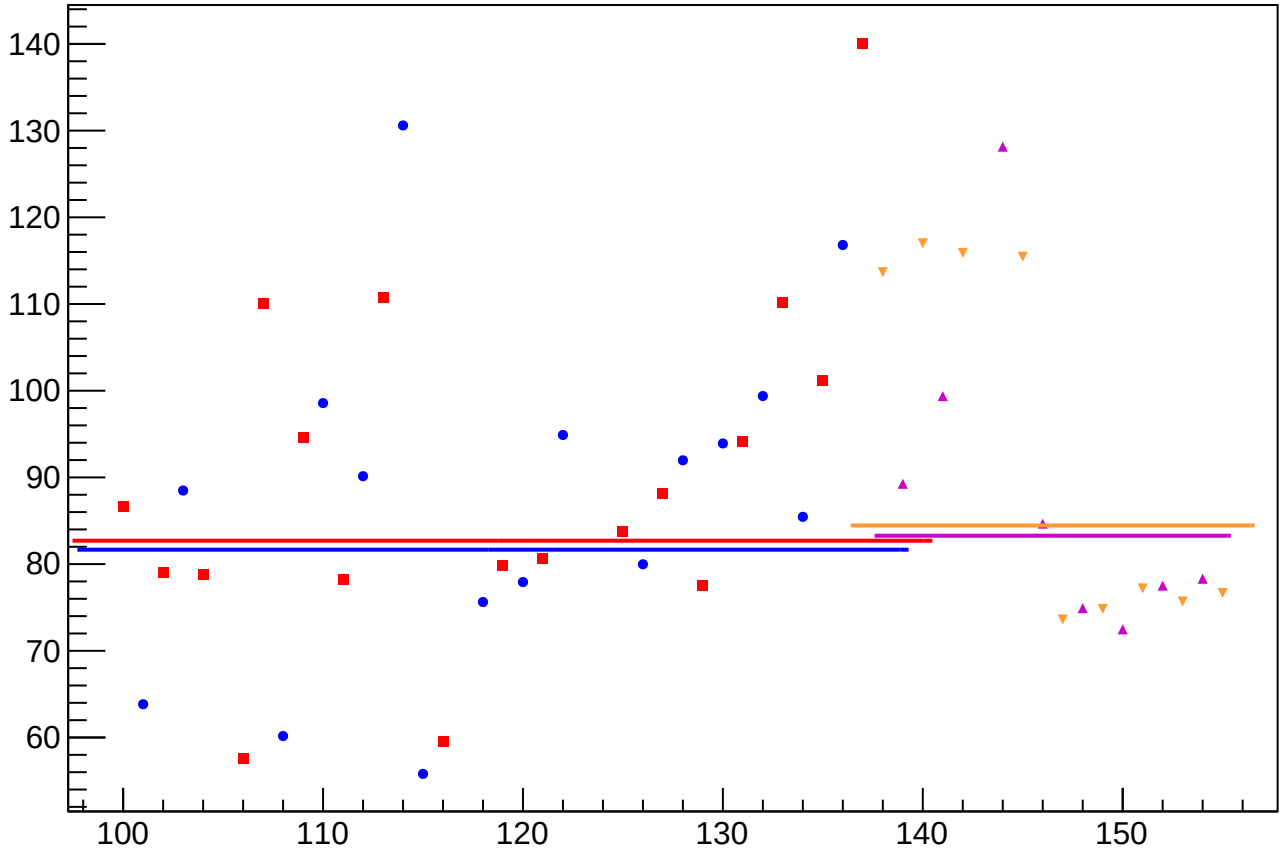
Left In: -0.017+/-0.032 χ^2/NDF:17.0/7

+ sign -0.010+/-0.023 χ^2/NDF: 30.3/24

All: -0.008+/-0.016 χ^2/NDF: 71.2/50

- sign -0.007+/-0.023 χ^2/NDF: 40.9/25

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 84.460+/-0.023 χ^2/NDF:513327.8/8

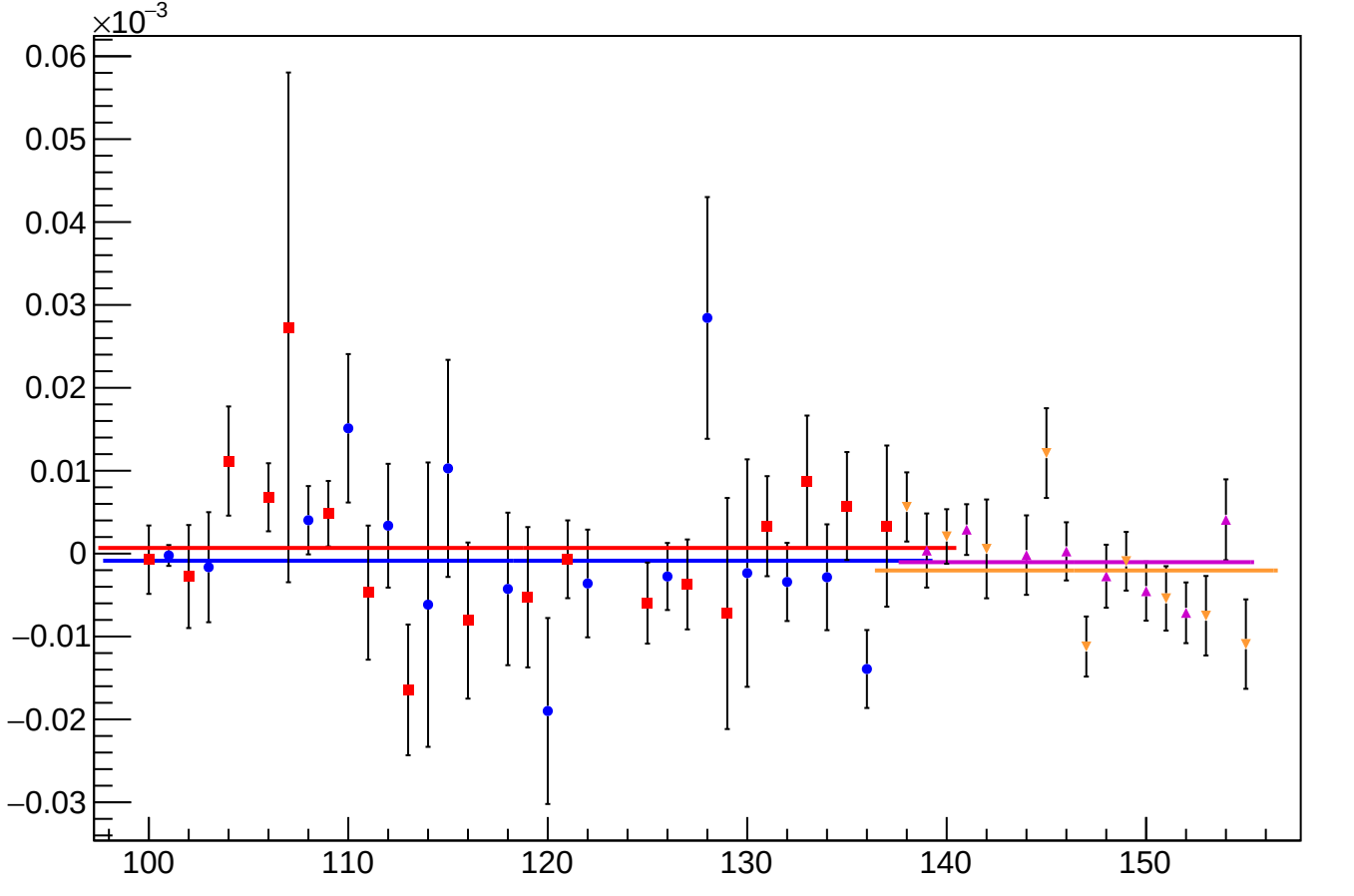
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 83.277+/-0.023 χ^2/NDF:345829.2/7

+ sign 83.006+/-0.016 χ^2/NDF: 1082691.1/24

All: 82.995+/-0.011 χ^2/NDF: 1901910.7/50

- sign 82.985+/-0.016 χ^2/NDF: 819218.7/25



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

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/8

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

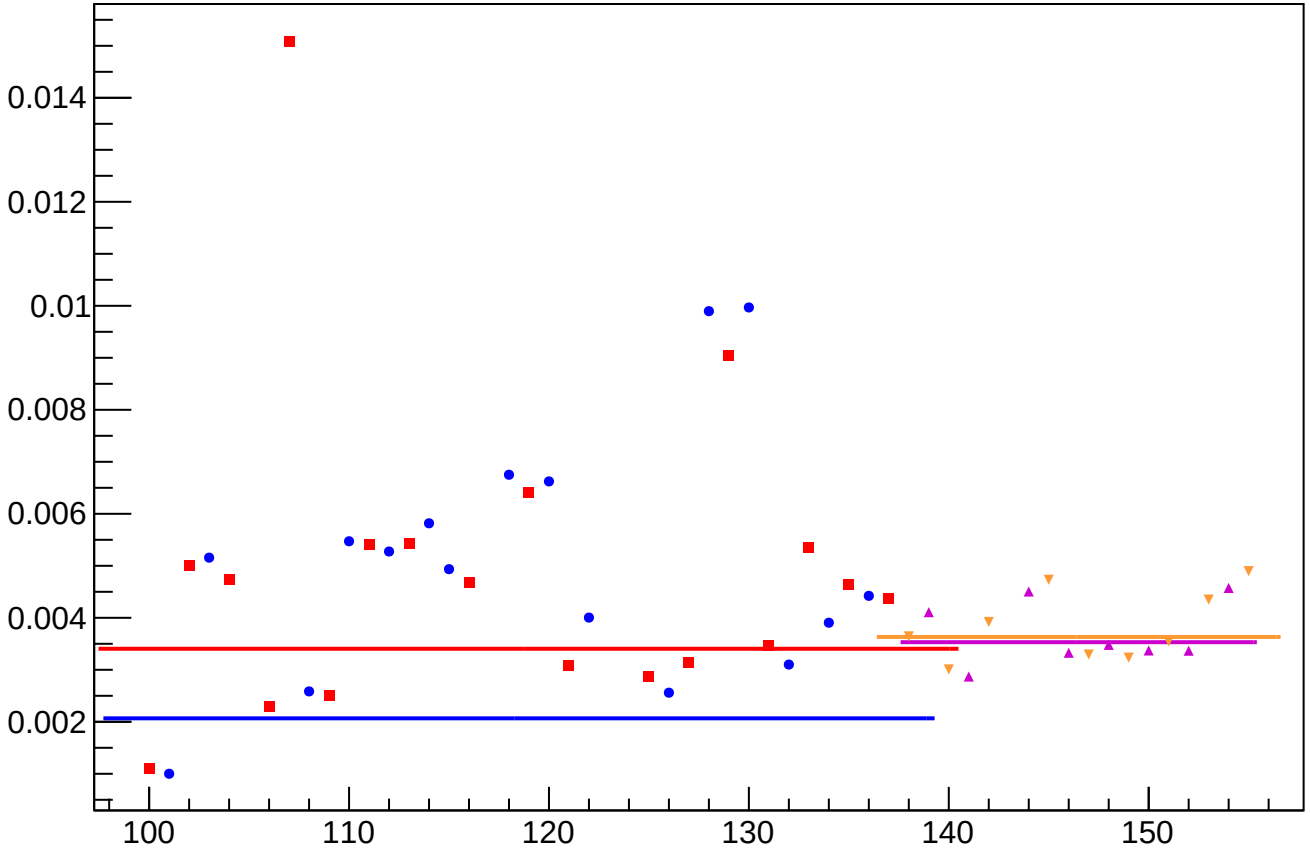
Left In: -0.000+/-0.000 χ^2/NDF:7.0/7

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/24

All: -0.000+/-0.000 χ^2/NDF: 71.7/50

- sign -0.000+/-0.000 χ^2/NDF: 26.1/25

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:357988.3/8

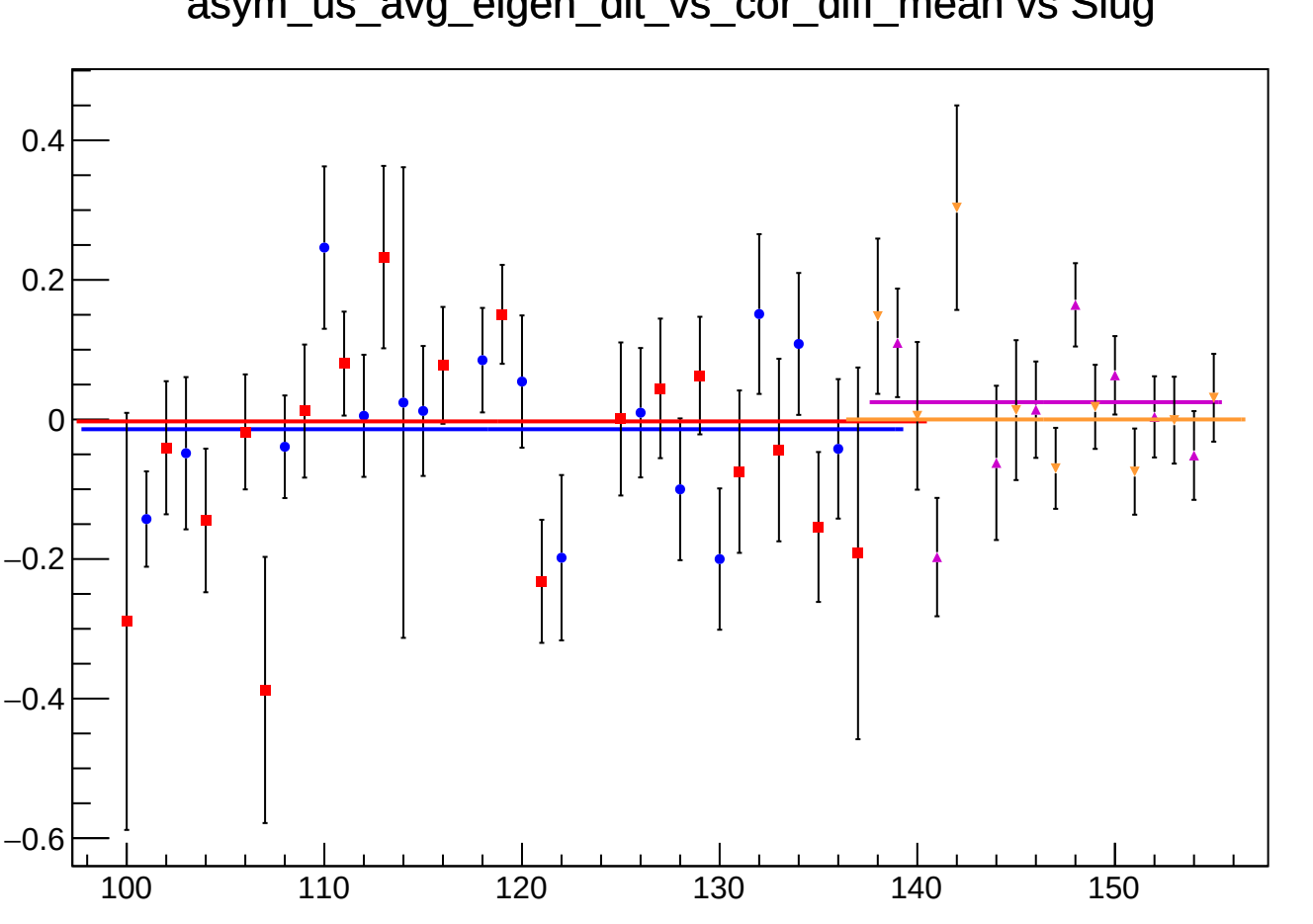
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.004+/-0.000 χ^2/NDF:315754.2/7

+ sign 0.003+/-0.000 χ^2/NDF: 7821589.1/24

All: 0.003+/-0.000 χ^2/NDF: 11560633.0/50

- sign 0.003+/-0.000 χ^2/NDF: 2815341.4/25



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

Left Out: 0.000+/-0.025 χ^2/NDF:9.3/8

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

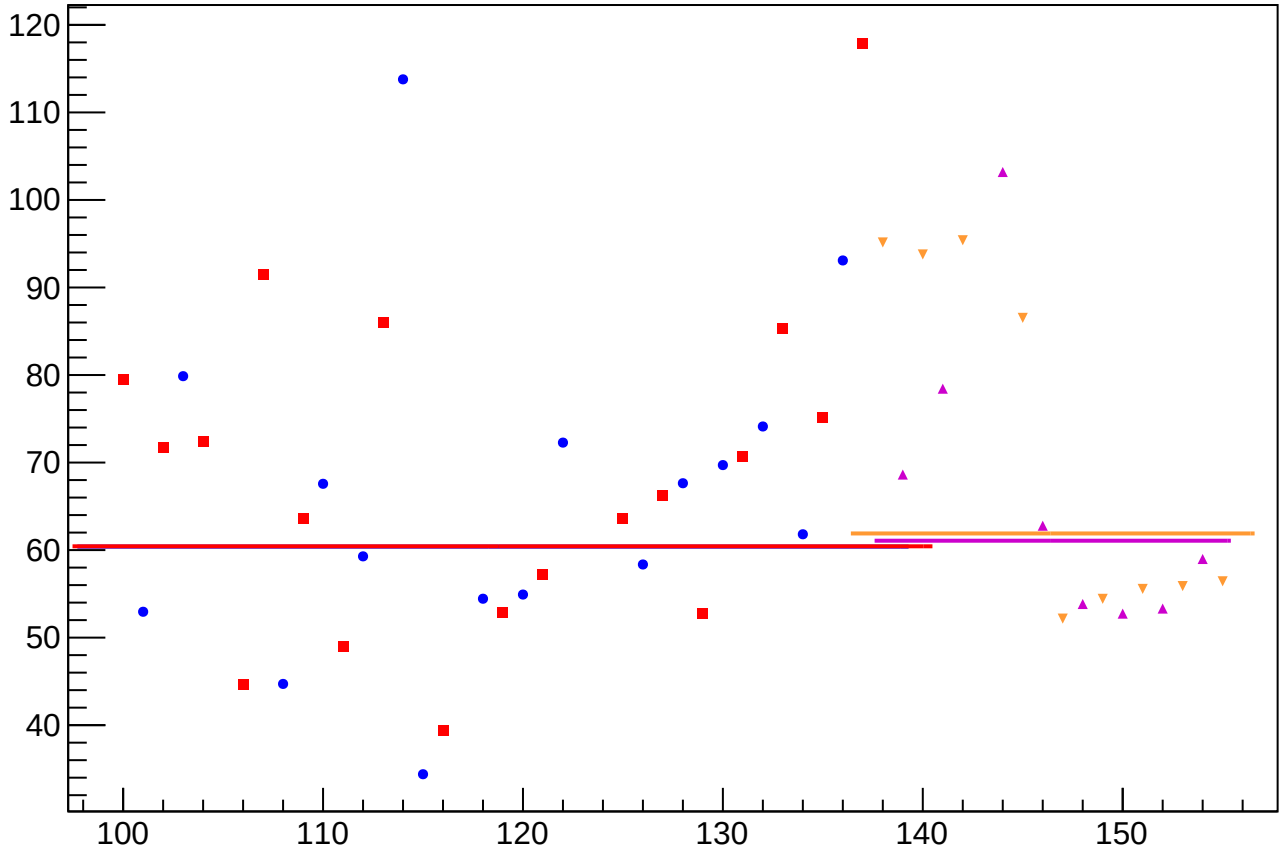
Left In: 0.025+/-0.024 χ^2/NDF:16.2/7

+ sign -0.007+/-0.017 χ^2/NDF: 30.9/24

All: 0.002+/-0.012 χ^2/NDF: 76.0/50

- sign 0.011+/-0.017 χ^2/NDF: 44.6/25

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: 61.900+/-0.017 χ^2/NDF:727106.5/8

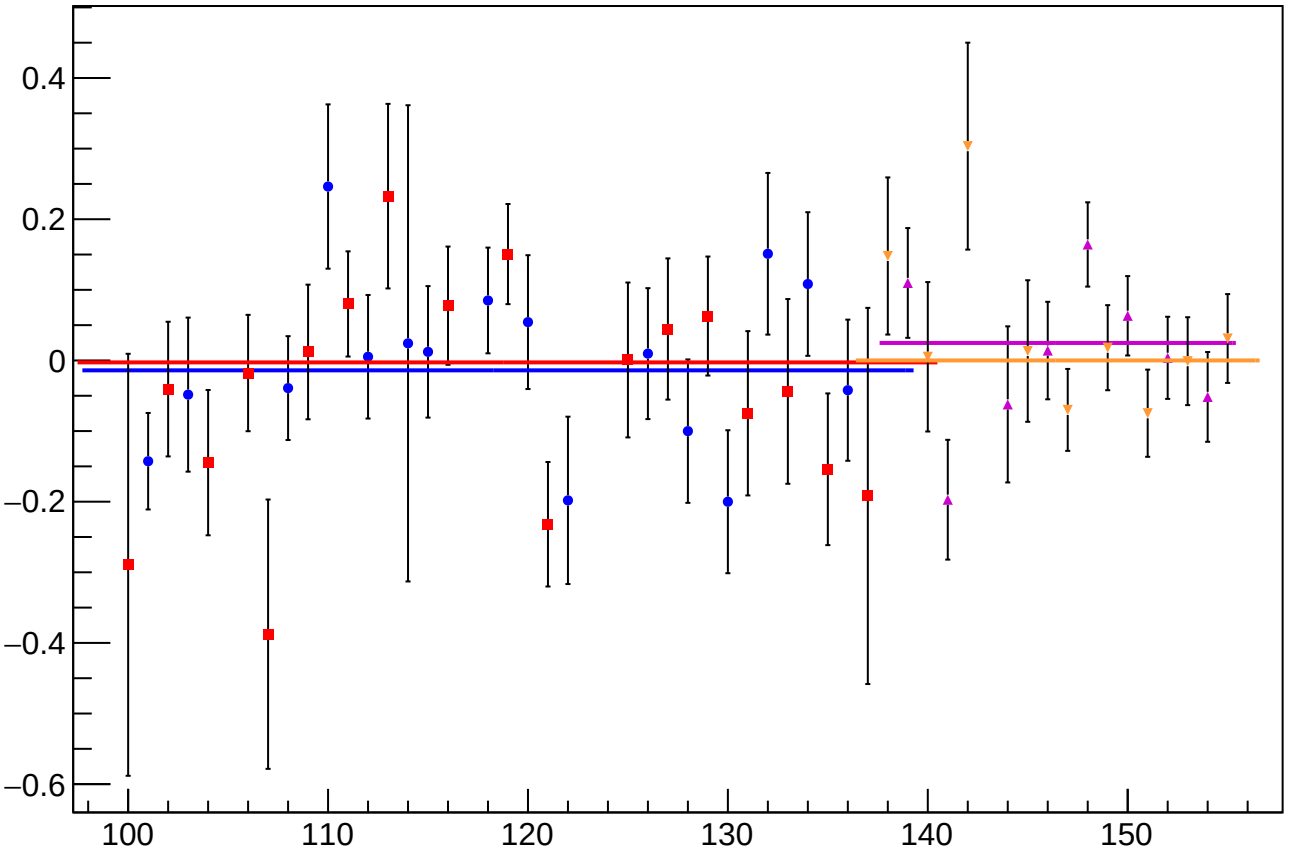
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.072+/-0.017 χ^2/NDF:505397.2/7

+ sign 61.128+/-0.012 χ^2/NDF: 1434129.7/24

All: 60.937+/-0.008 χ^2/NDF: 2651862.5/50

- sign 60.750+/-0.012 χ^2/NDF: 1217236.3/25



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

Left Out: 0.000+/-0.025 χ^2/NDF:9.3/8

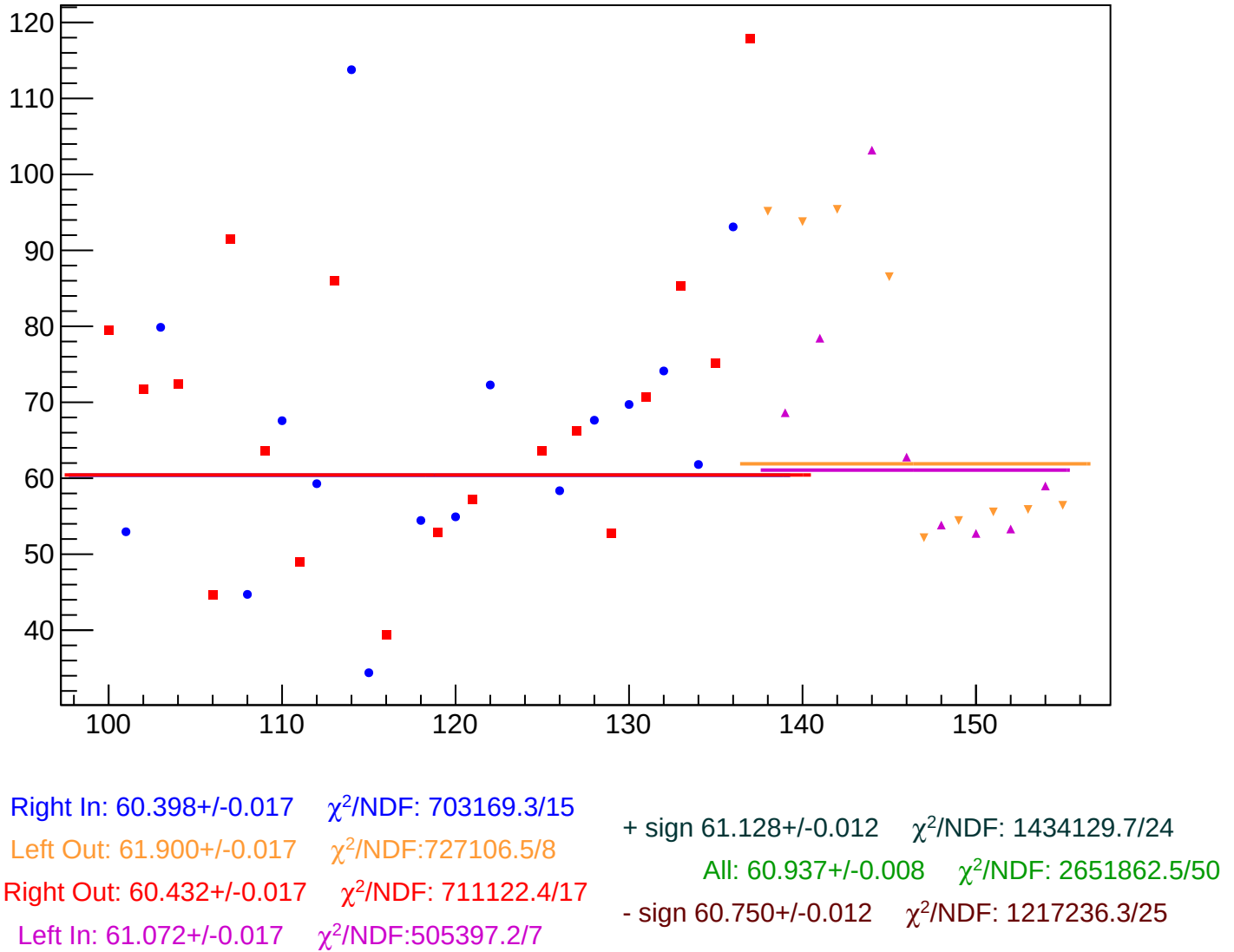
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

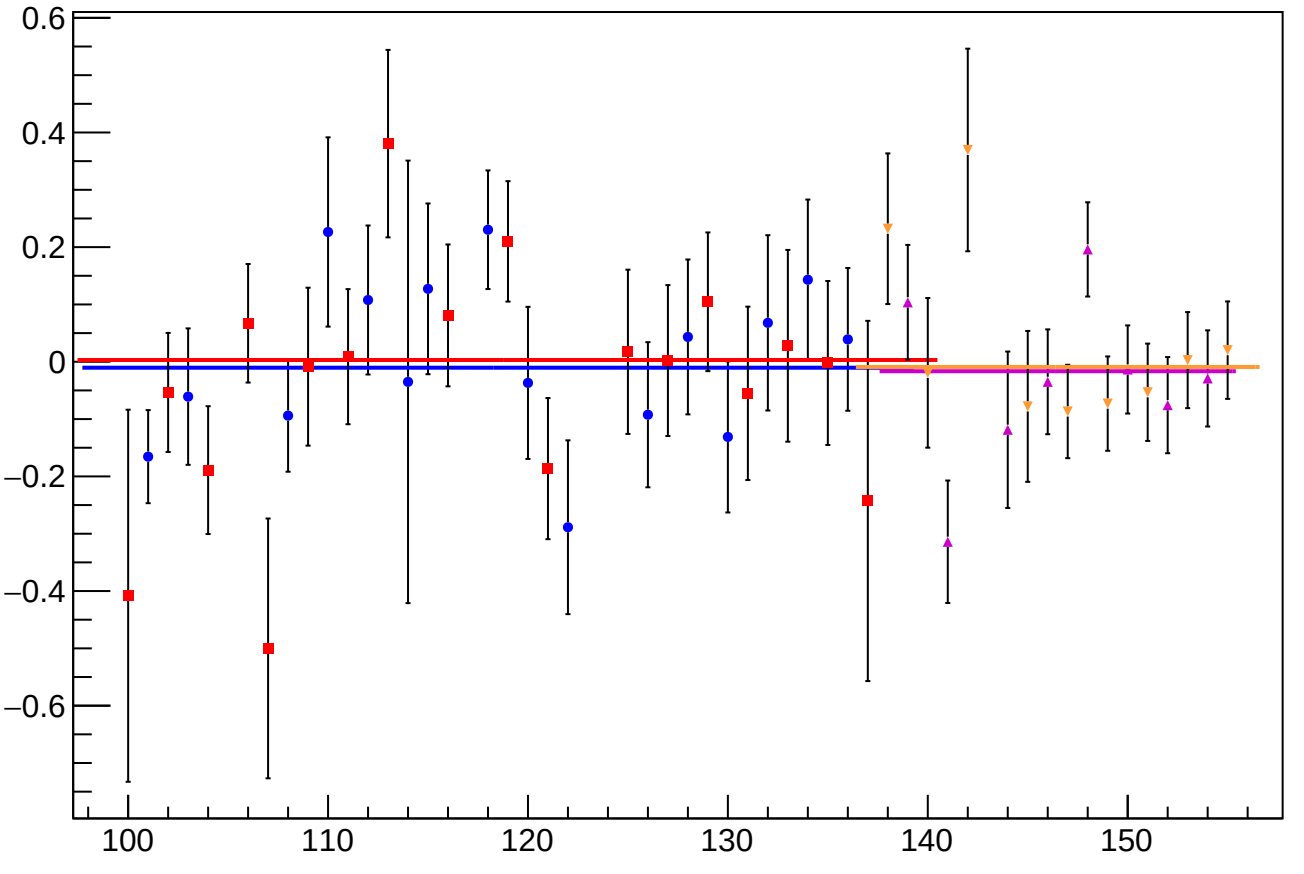
Left In: 0.025+/-0.024 χ^2/NDF:16.2/7

+ sign -0.007+/-0.017 χ^2/NDF: 30.9/24

All: 0.002+/-0.012 χ^2/NDF: 76.0/50

- sign 0.011+/-0.017 χ^2/NDF: 44.6/25


asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
110
100
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 60.398+/-0.017 χ²/NDF: 703169.3/15
Left Out: 61.900+/-0.017 χ²/NDF:727106.5/8
Right Out: 60.432+/-0.017 χ²/NDF: 711122.4/17
Left In: 61.072+/-0.017 χ²/NDF:505397.2/7
+ sign 61.128+/-0.012 χ²/NDF: 1434129.7/24
All: 60.937+/-0.008 χ²/NDF: 2651862.5/50
- sign 60.750+/-0.012 χ²/NDF: 1217236.3/25



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

Left Out: -0.009+/-0.033 χ^2/NDF:10.2/8

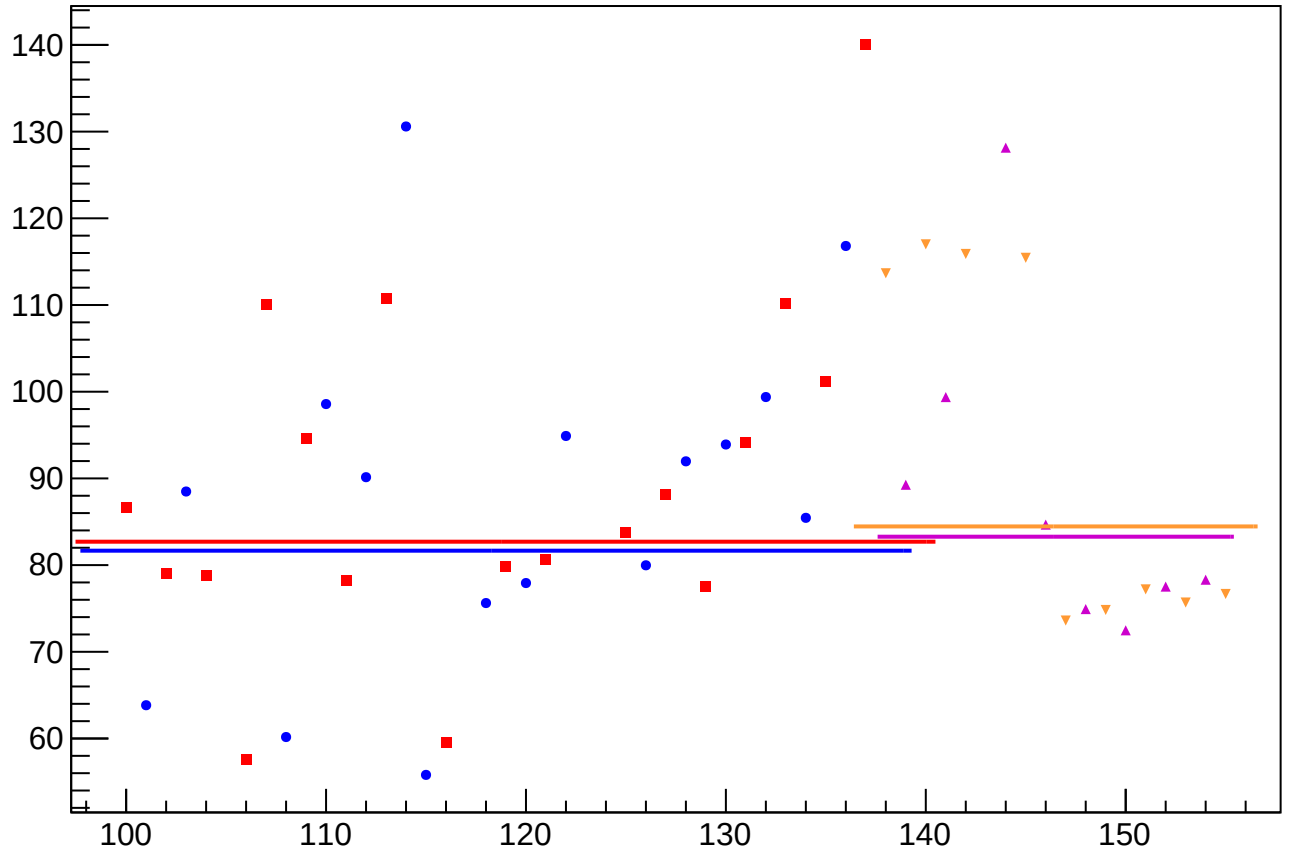
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.017+/-0.032 χ^2/NDF:17.0/7

+ sign -0.010+/-0.023 χ^2/NDF: 30.3/24

All: -0.008+/-0.016 χ^2/NDF: 71.2/50

- sign -0.007+/-0.023 χ^2/NDF: 40.9/25



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

Left Out: 84.460+/-0.023 χ^2/NDF:513324.9/8

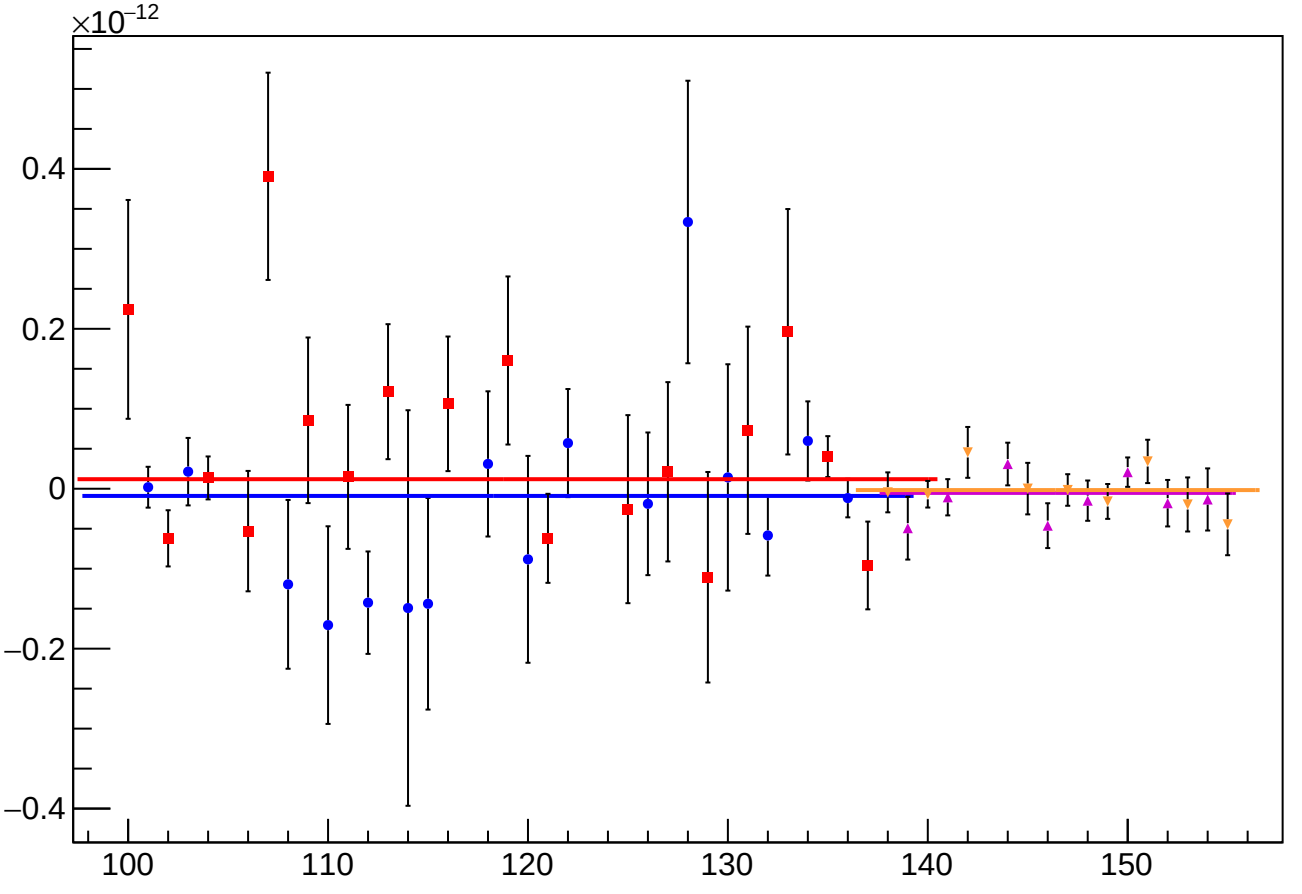
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 83.277+/-0.023 χ^2/NDF:345829.8/7

+ sign 83.006+/-0.016 χ^2/NDF: 1082681.1/24

All: 82.995+/-0.011 χ^2/NDF: 1901899.2/50

- sign 82.984+/-0.016 χ^2/NDF: 819217.2/25



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/8

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

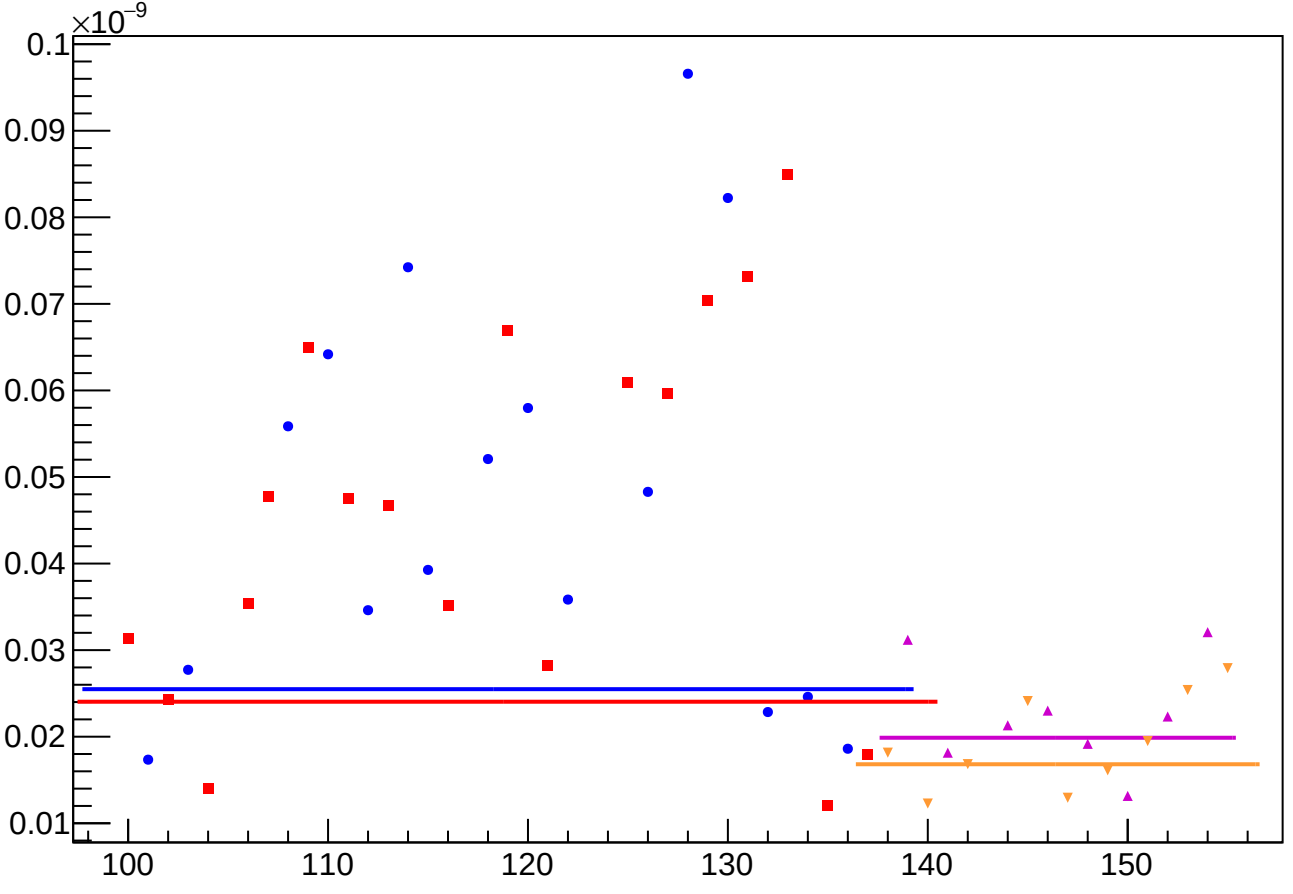
Left In: -0.000+/-0.000 χ^2/NDF:7.7/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.7/24

All: -0.000+/-0.000 χ^2/NDF: 63.7/50

- sign 0.000+/-0.000 χ^2/NDF: 39.8/25

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:649618.6/8

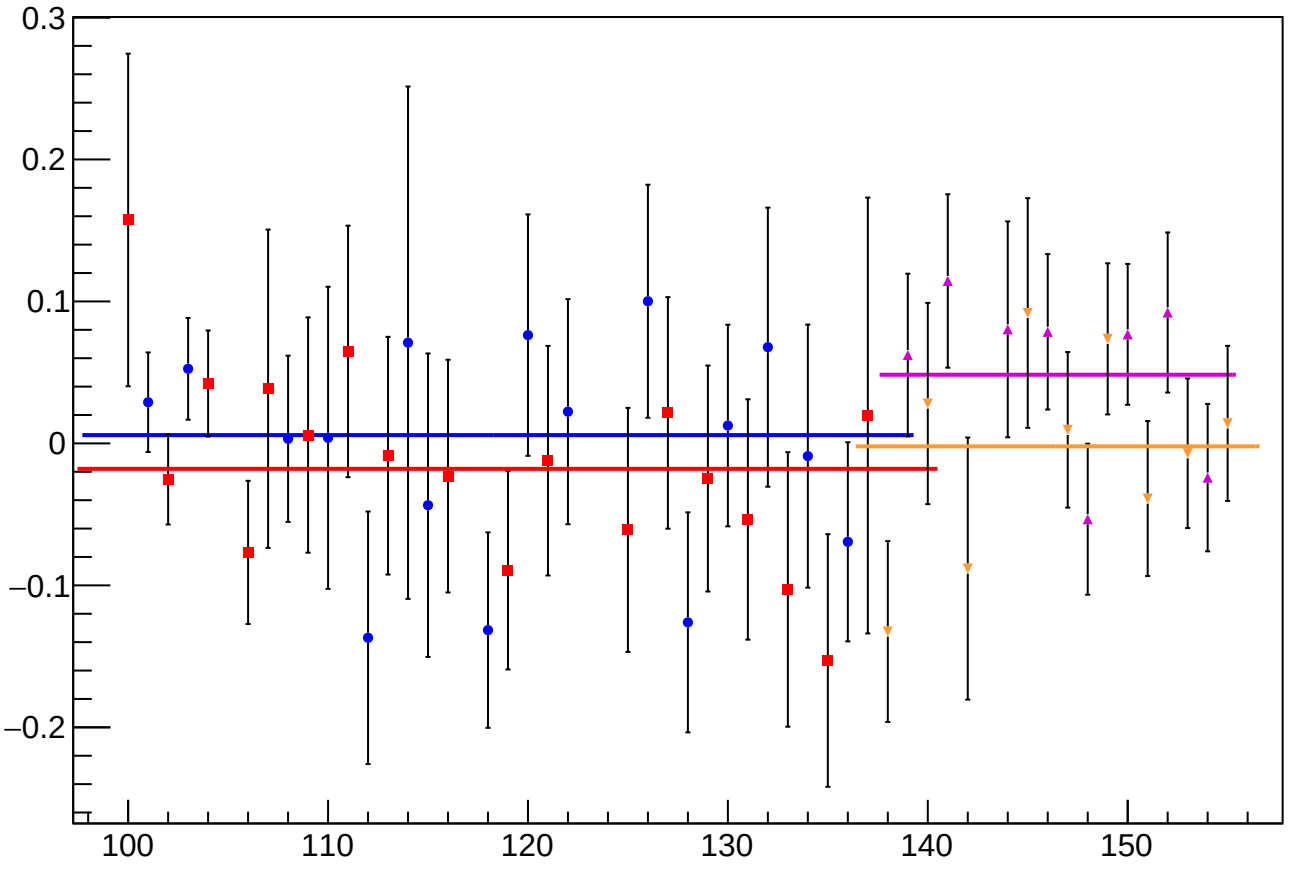
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:688477.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 3267940.2/24

All: 0.000+/-0.000 χ^2/NDF: 7245568.9/50

- sign 0.000+/-0.000 χ^2/NDF: 3903622.2/25



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

Left Out: -0.002+/-0.020 χ^2/NDF:9.2/8

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

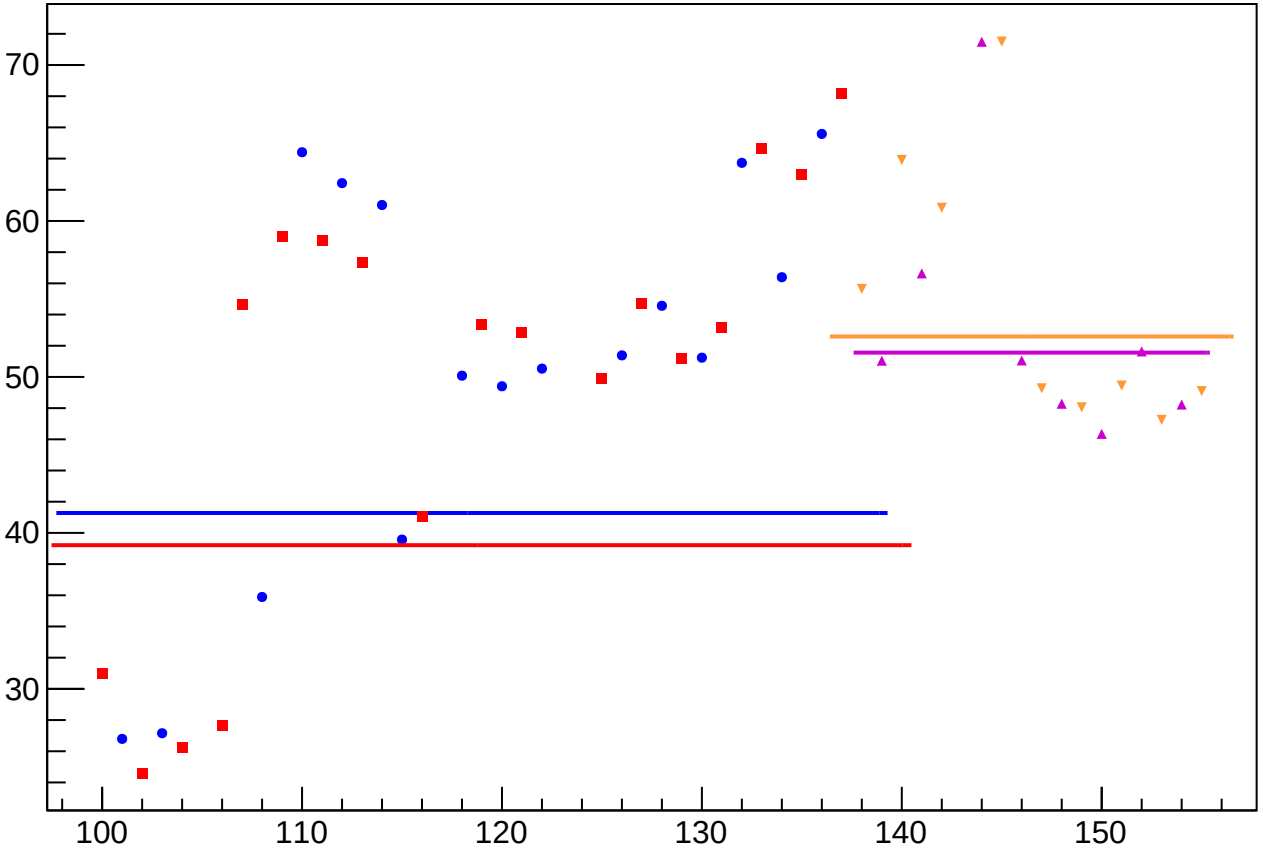
Left In: 0.048+/-0.020 χ^2/NDF:8.3/7

+ sign 0.003+/-0.013 χ^2/NDF: 24.9/24

All: 0.005+/-0.009 χ^2/NDF: 52.3/50

- sign 0.008+/-0.012 χ^2/NDF: 27.4/25

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: 52.592+/-0.014 χ^2/NDF:238265.8/8

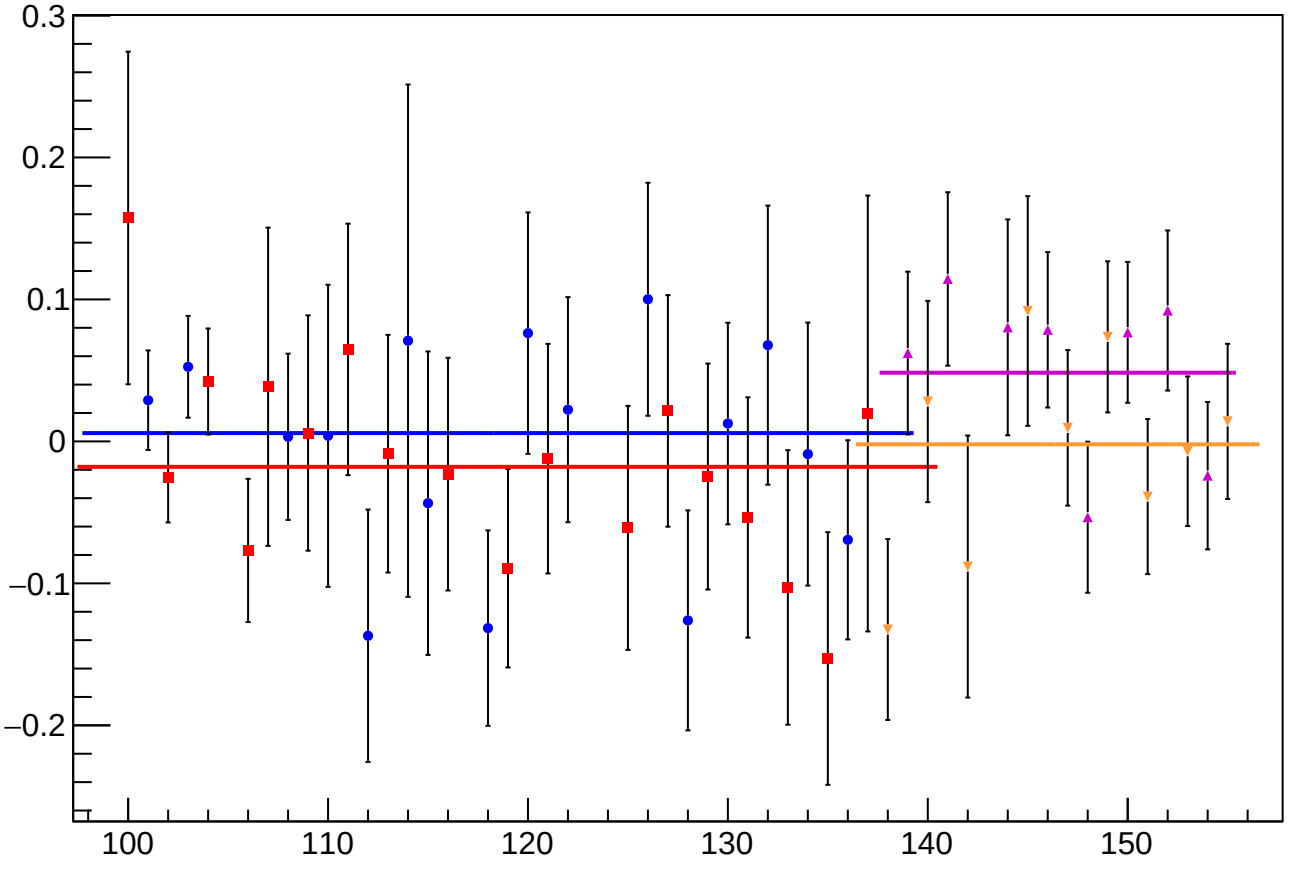
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.560+/-0.014 χ^2/NDF:189475.0/7

+ sign 45.793+/-0.009 χ^2/NDF: 2117761.6/24

All: 44.843+/-0.006 χ^2/NDF: 4622112.6/50

- sign 43.961+/-0.009 χ^2/NDF: 2483141.1/25



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

Left Out: -0.002+/-0.020 χ^2/NDF:9.2/8

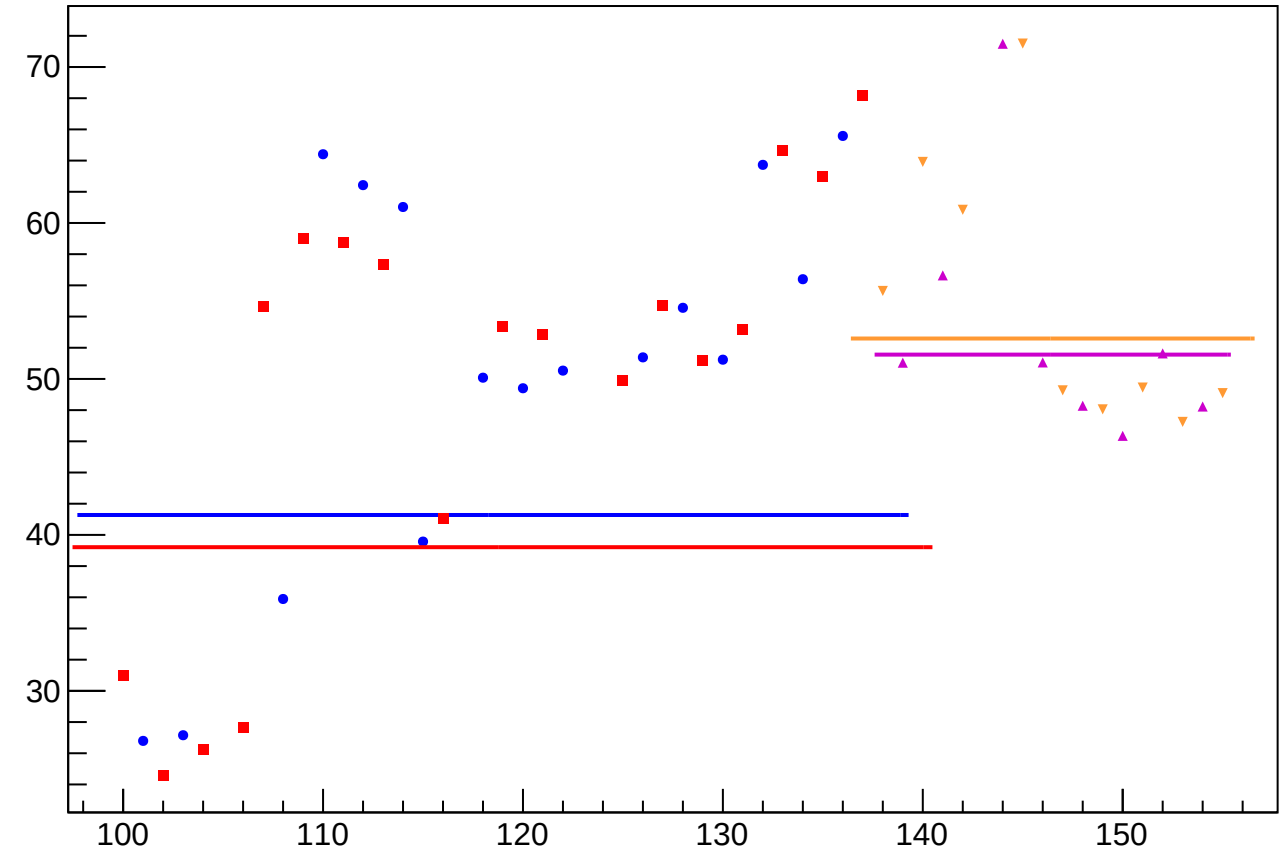
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.048+/-0.020 χ^2/NDF:8.3/7

+ sign 0.003+/-0.013 χ^2/NDF: 24.9/24

All: 0.005+/-0.009 χ^2/NDF: 52.3/50

- sign 0.008+/-0.012 χ^2/NDF: 27.4/25



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

Left Out: 52.592+/-0.014 χ^2/NDF:238265.8/8

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

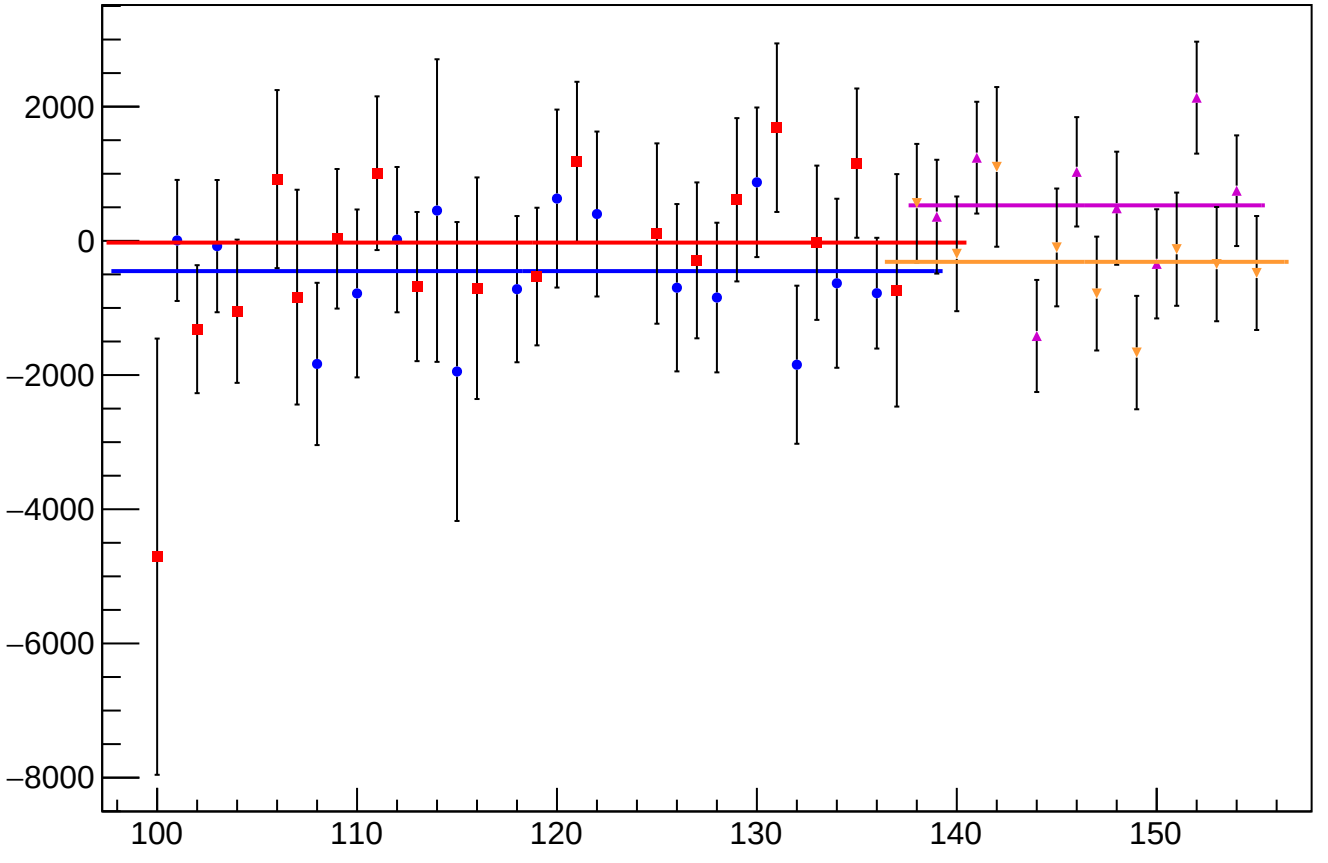
Left In: 51.560+/-0.014 χ^2/NDF:189475.0/7

+ sign 45.793+/-0.009 χ^2/NDF: 2117761.6/24

All: 44.843+/-0.006 χ^2/NDF: 4622112.6/50

- sign 43.961+/-0.009 χ^2/NDF: 2483141.1/25

reg_asym_us_dd_mean vs Slug



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

Left Out: -312.757+/-293.388 χ^2/NDF:5.4/8

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

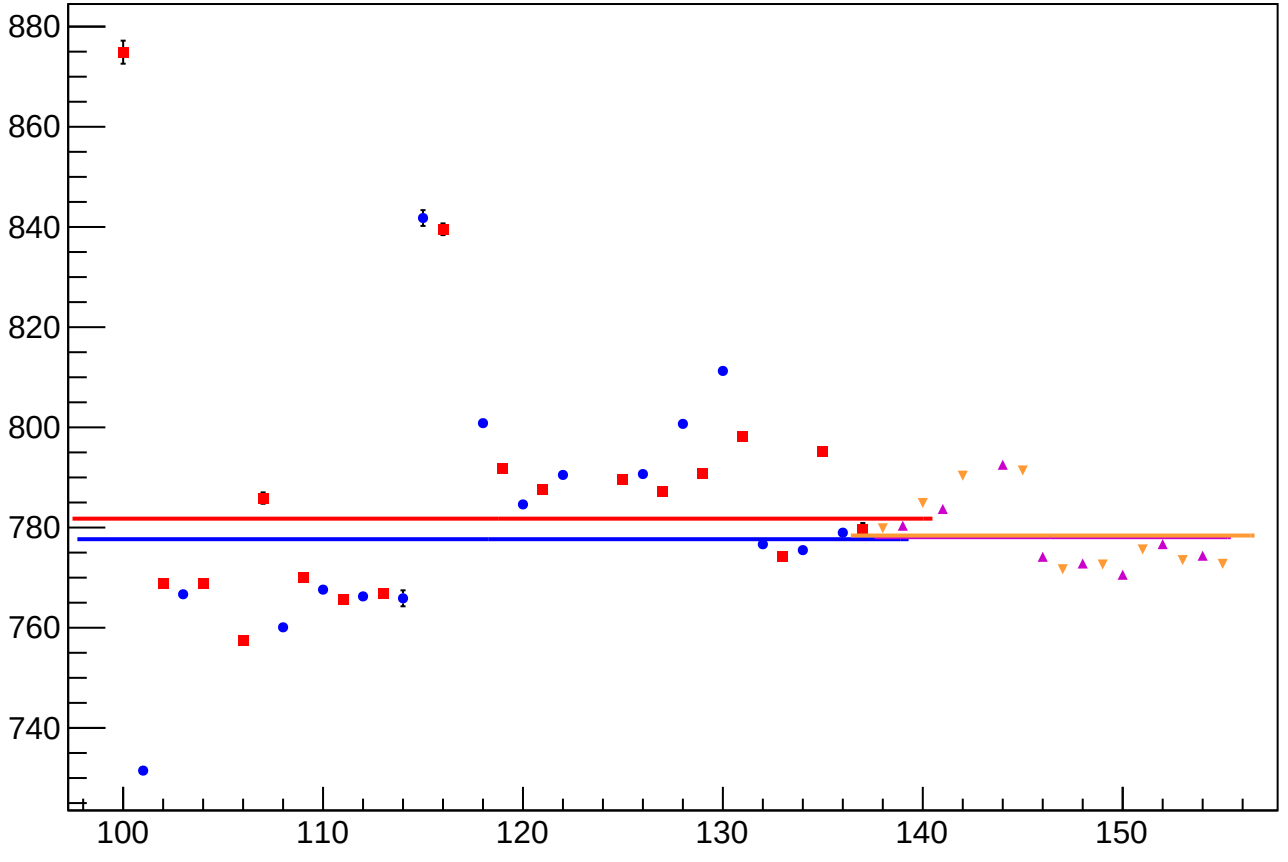
Left In: 529.005+/-293.647 χ^2/NDF:11.5/7

+ sign -382.908+/-205.870 χ^2/NDF: 12.5/24

All: -68.037+/-145.492 χ^2/NDF: 42.2/50

- sign 246.141+/-205.643 χ^2/NDF: 25.0/25

reg_asym_us_dd_rms vs Slug



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

Left Out: 778.408+/-0.207 χ^2/NDF:1156.1/8

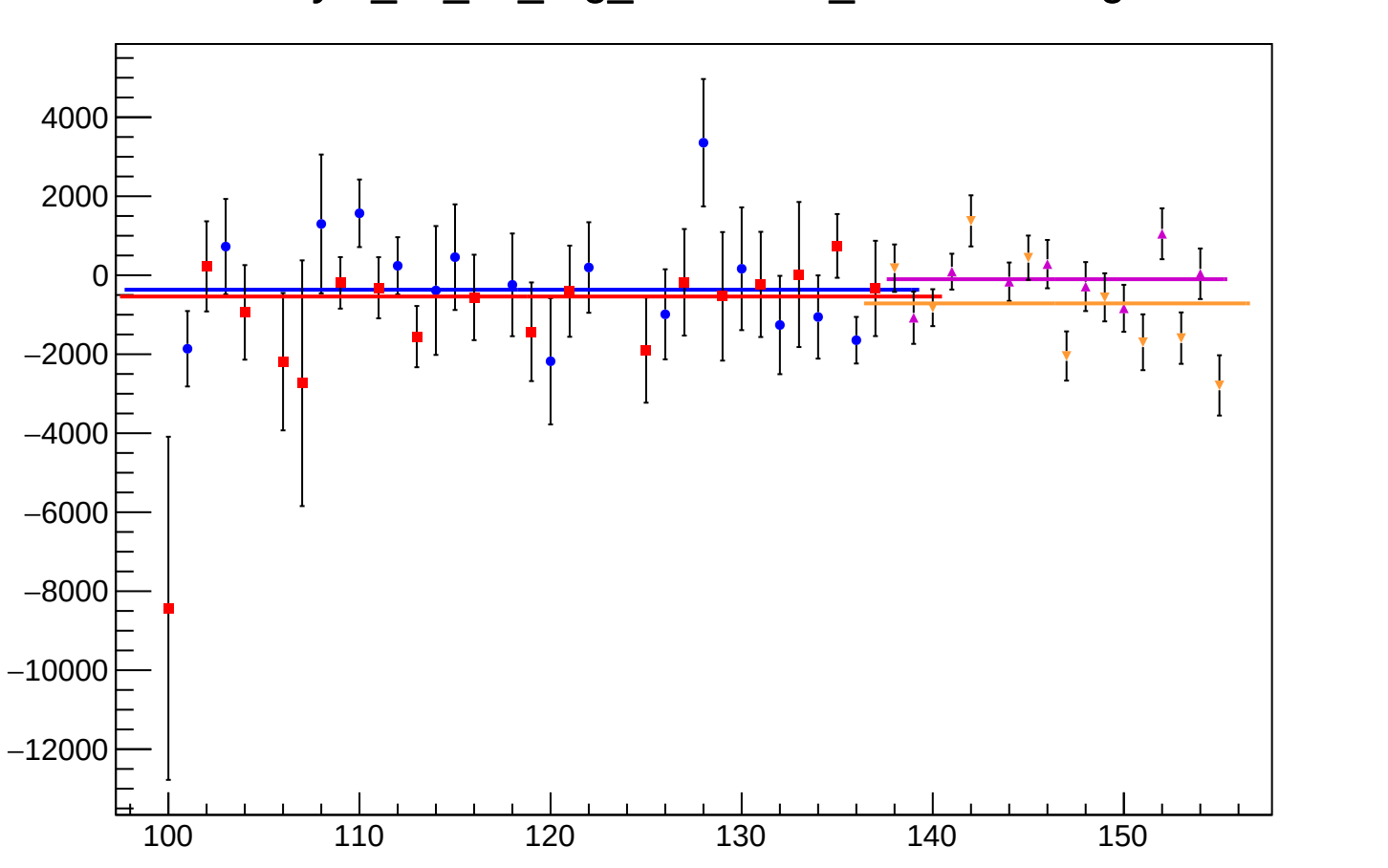
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.077+/-0.208 χ^2/NDF:1044.9/7

+ sign 778.036+/-0.146 χ^2/NDF: 13217.8/24

All: 779.000+/-0.103 χ^2/NDF: 22138.5/50

- sign 779.962+/-0.145 χ^2/NDF: 8833.0/25



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

Left Out: -713.052+/-202.999 χ^2/NDF:32.7/8

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

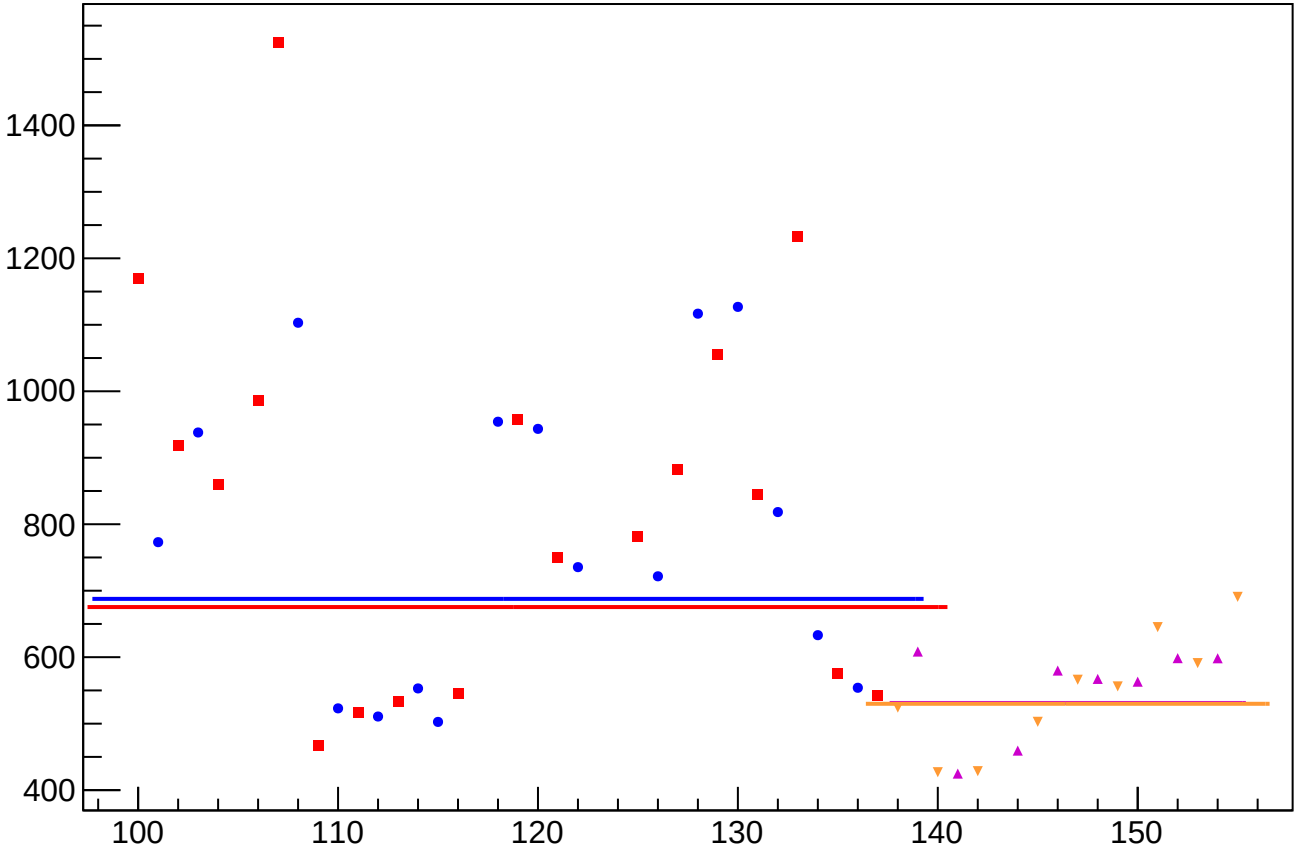
Left In: -100.797+/-202.772 χ^2/NDF:7.6/7

+ sign -586.112+/-161.530 χ^2/NDF: 57.1/24

All: -424.188+/-113.876 χ^2/NDF: 80.1/50

- sign -264.197+/-160.564 χ^2/NDF: 21.0/25

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 529.885+/-0.144 χ^2/NDF:321232.7/8

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

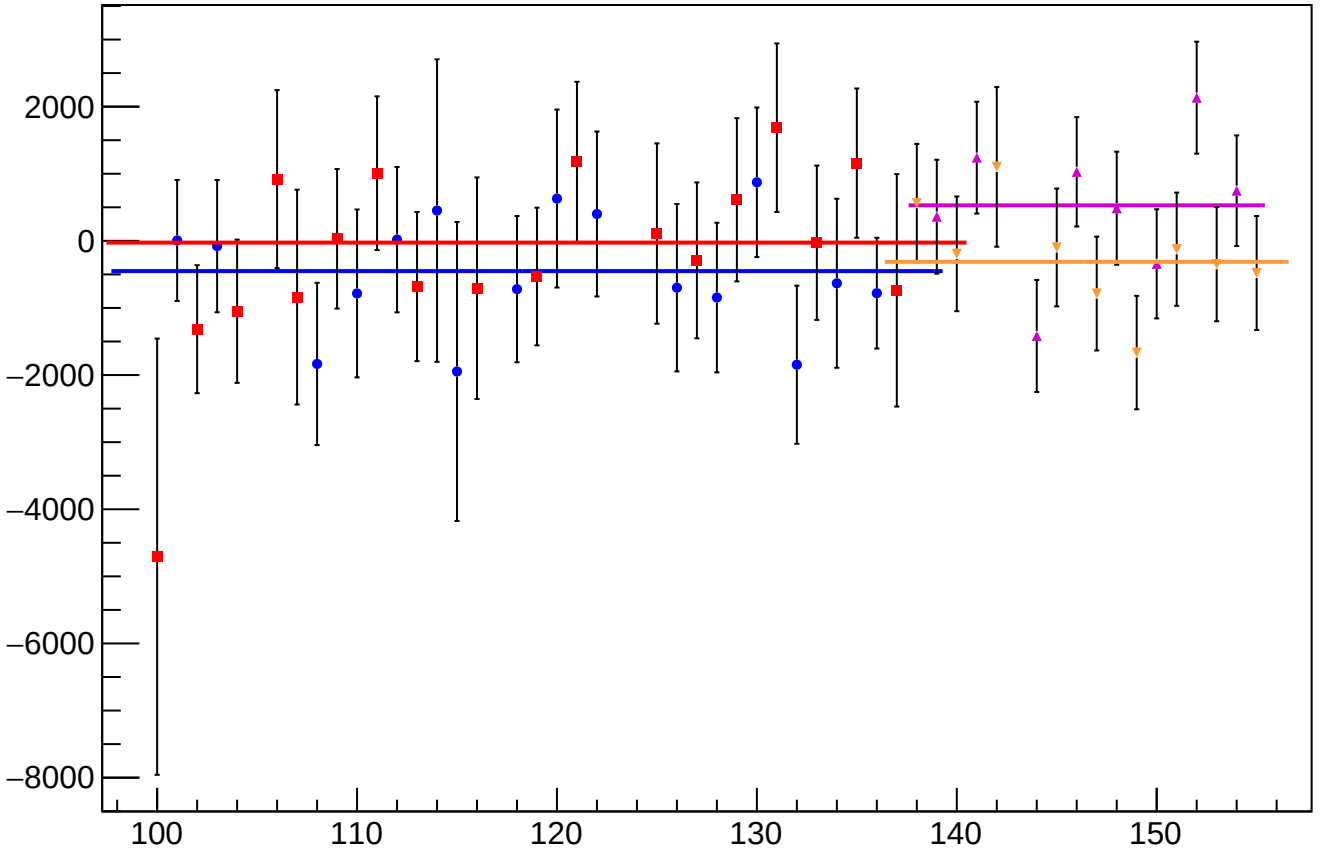
Left In: 531.120+/-0.143 χ^2/NDF:249670.6/7

+ sign 587.783+/-0.114 χ^2/NDF: 1796642.1/24

All: 586.352+/-0.081 χ^2/NDF: 3737353.0/50

- sign 584.938+/-0.114 χ^2/NDF: 1940398.8/25

cor_asym_us_dd_mean vs Slug



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

Left Out: -312.757+/-293.388 χ^2/NDF:5.4/8

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

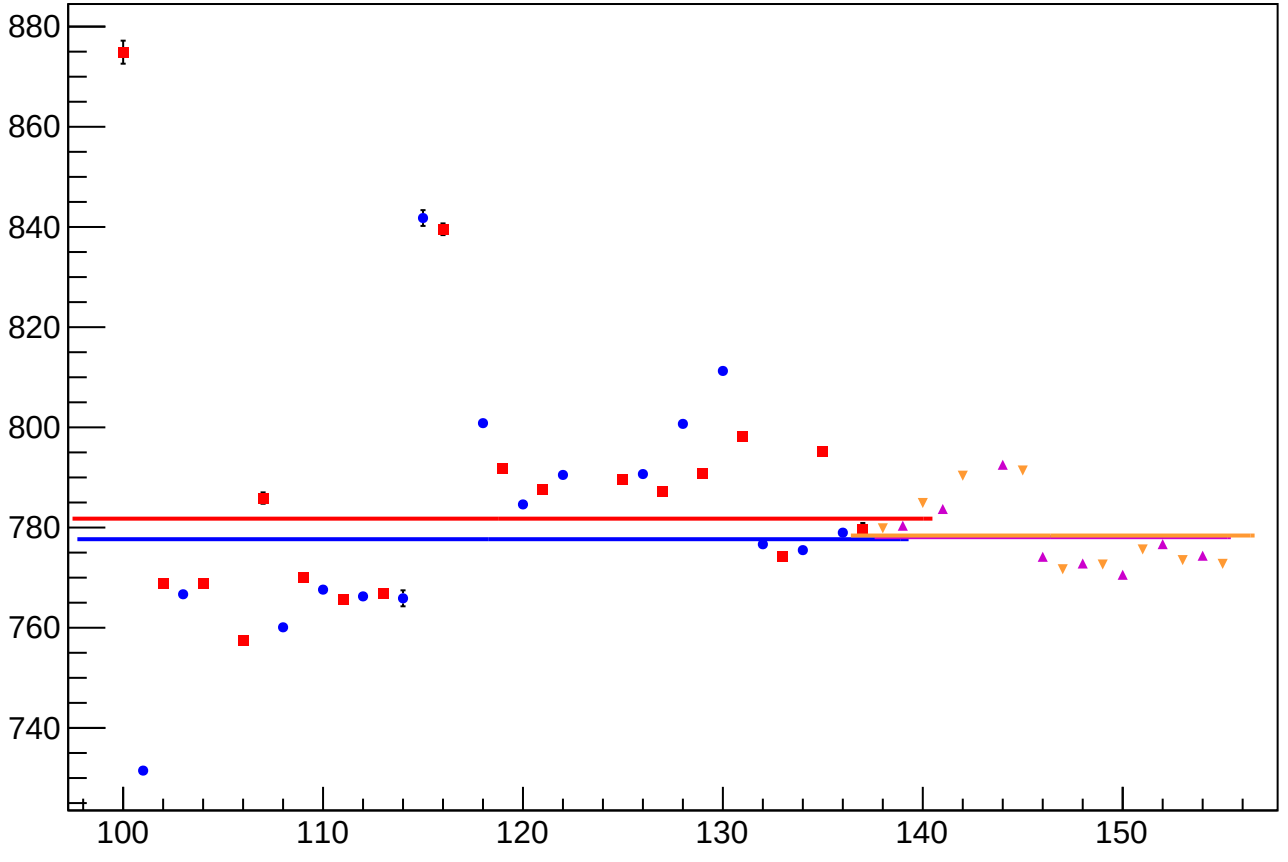
Left In: 529.005+/-293.647 χ^2/NDF:11.5/7

+ sign -382.908+/-205.870 χ^2/NDF: 12.5/24

All: -68.037+/-145.492 χ^2/NDF: 42.2/50

- sign 246.141+/-205.643 χ^2/NDF: 25.0/25

cor_asym_us_dd_rms vs Slug



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

Left Out: 778.408+/-0.207 χ^2/NDF:1156.1/8

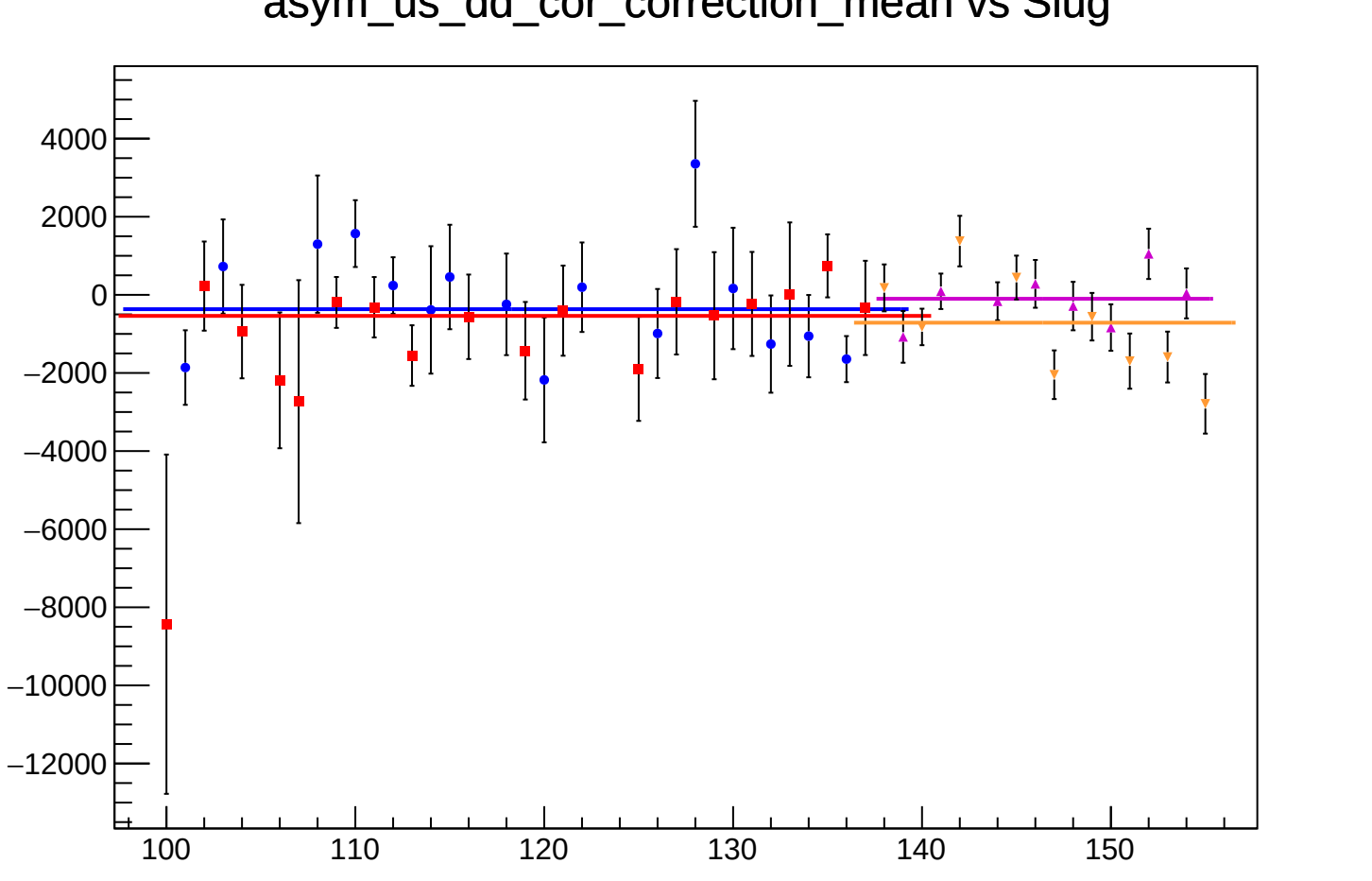
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.077+/-0.208 χ^2/NDF:1044.9/7

+ sign 778.036+/-0.146 χ^2/NDF: 13217.8/24

All: 779.000+/-0.103 χ^2/NDF: 22138.5/50

- sign 779.962+/-0.145 χ^2/NDF: 8833.0/25



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

Left Out: -713.052+/-202.999 χ^2/NDF:32.7/8

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

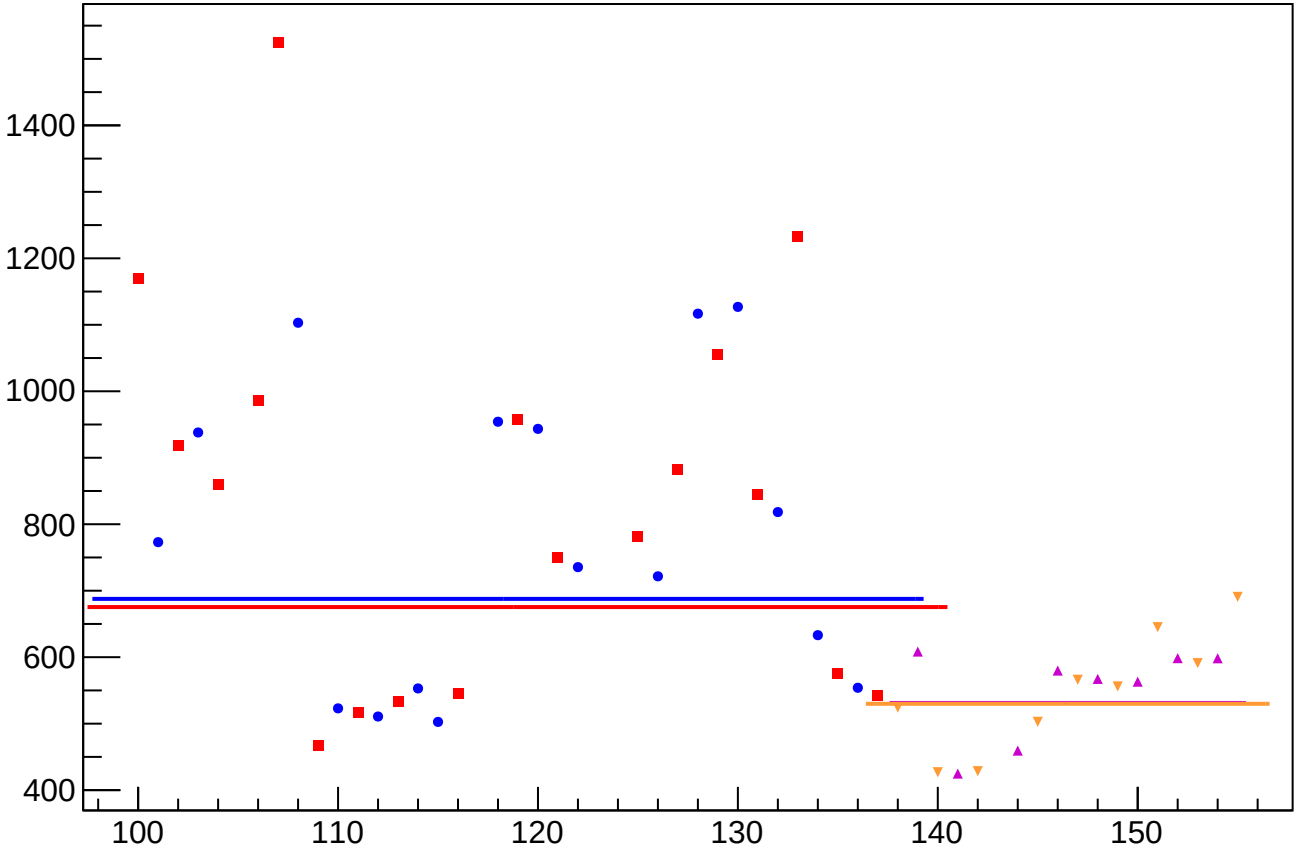
Left In: -100.797+/-202.772 χ^2/NDF:7.6/7

+ sign -586.112+/-161.530 χ^2/NDF: 57.1/24

All: -424.188+/-113.876 χ^2/NDF: 80.1/50

- sign -264.197+/-160.564 χ^2/NDF: 21.0/25

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 529.885+/-0.144 χ^2/NDF:321232.7/8

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

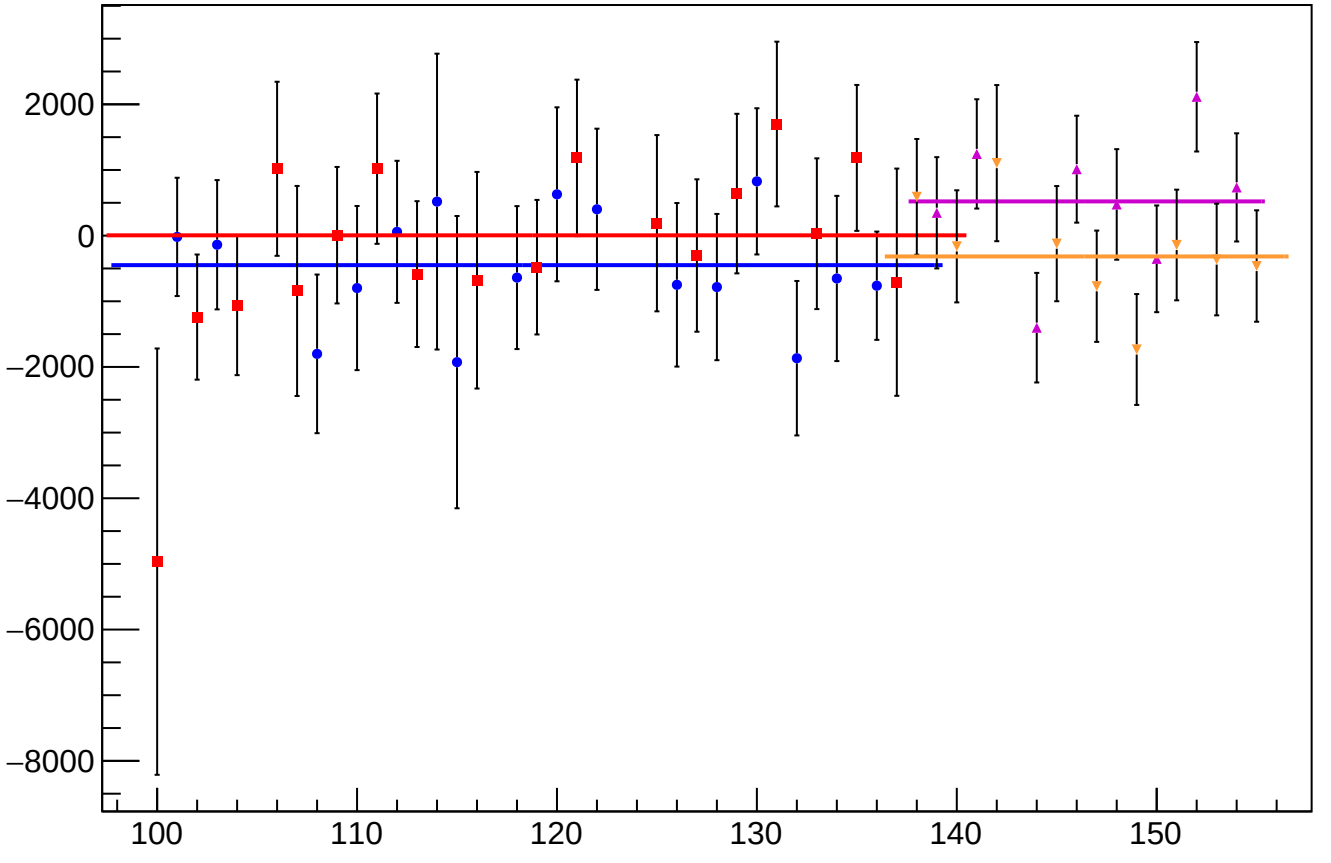
Left In: 531.120+/-0.143 χ^2/NDF:249670.6/7

+ sign 587.783+/-0.114 χ^2/NDF: 1796642.1/24

All: 586.352+/-0.081 χ^2/NDF: 3737353.0/50

- sign 584.938+/-0.114 χ^2/NDF: 1940398.8/25

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -317.268+/-293.131 χ^2/NDF:5.7/8

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

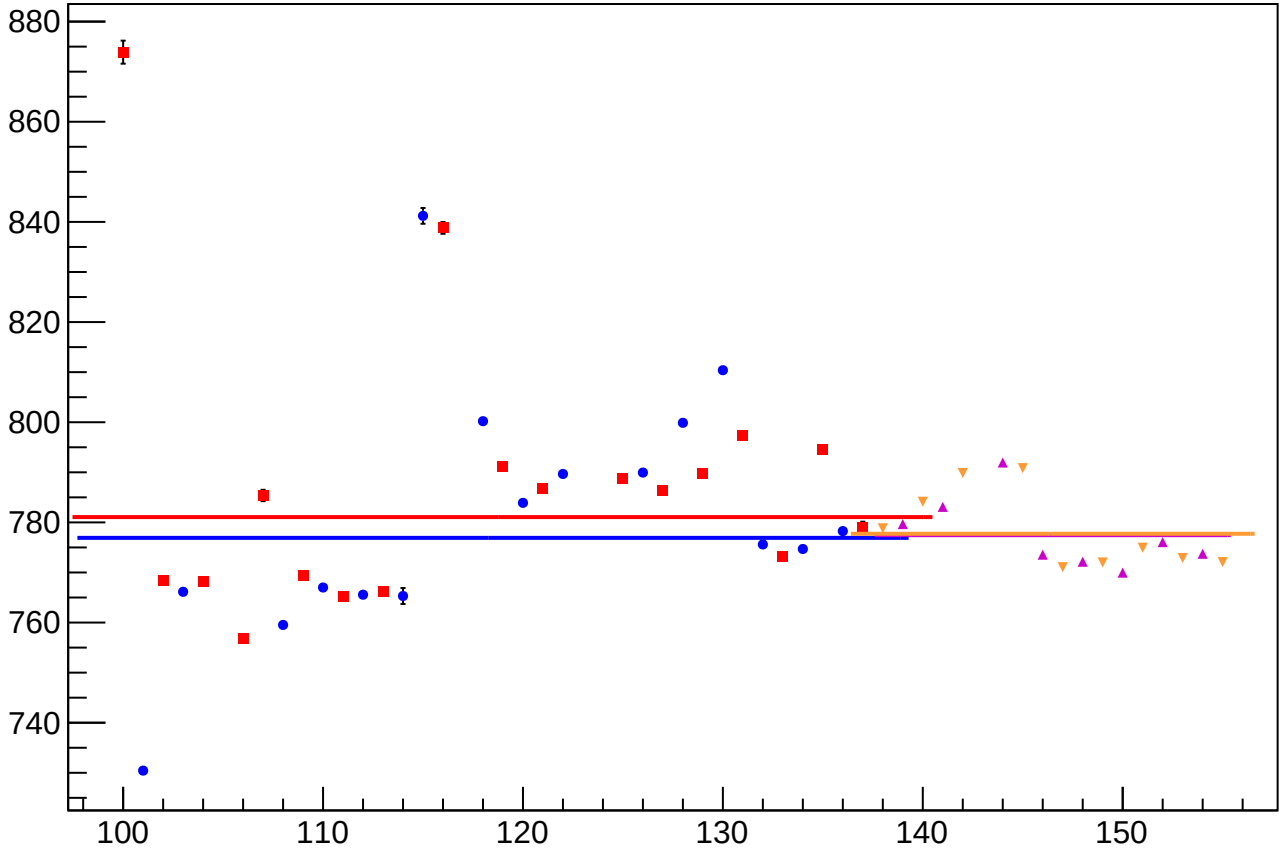
Left In: 521.368+/-293.409 χ^2/NDF:11.4/7

+ sign -384.363+/-205.679 χ^2/NDF: 12.6/24

All: -62.831+/-145.361 χ^2/NDF: 42.3/50

- sign 258.034+/-205.465 χ^2/NDF: 24.8/25

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 777.726+/-0.207 χ^2/NDF:1161.2/8

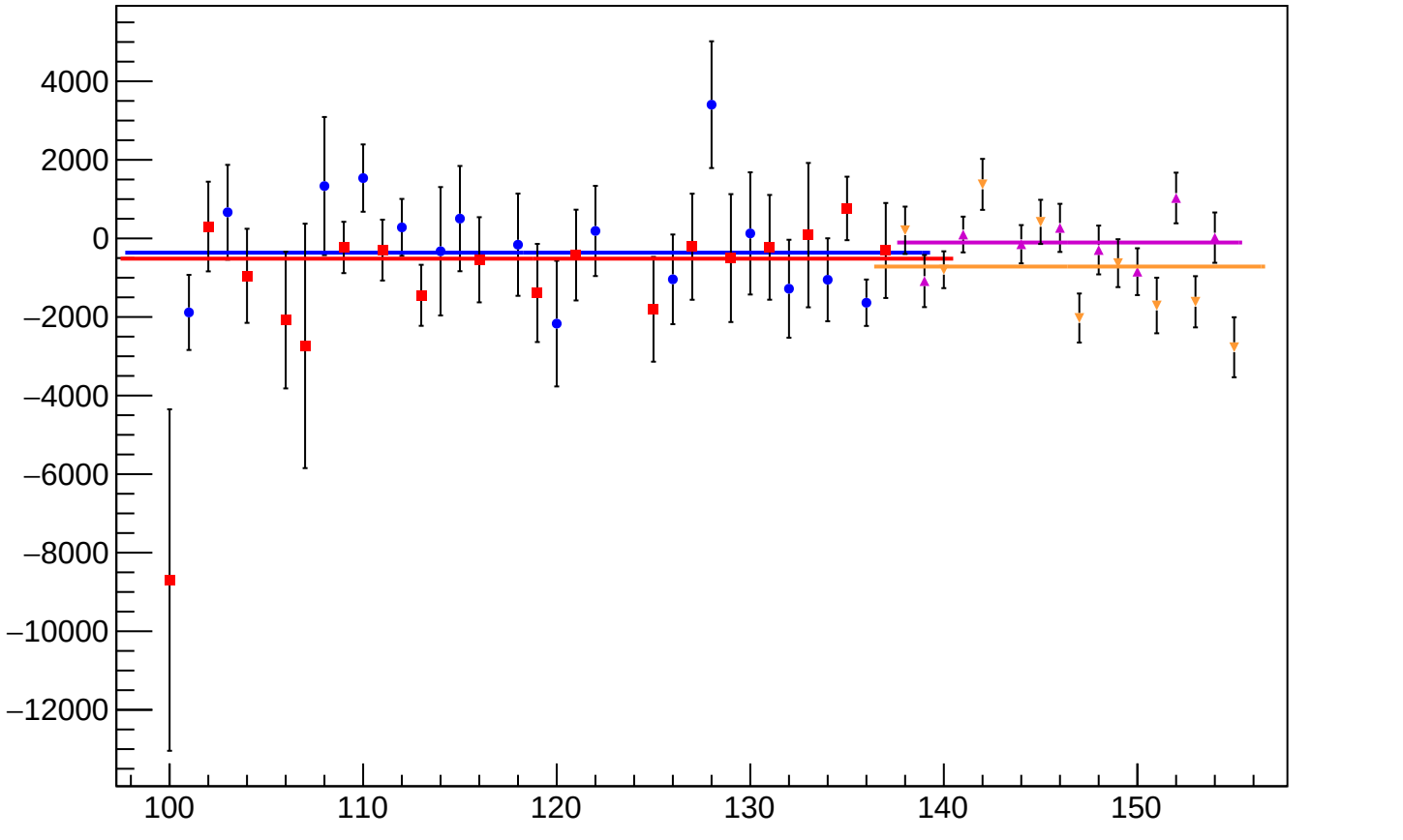
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 777.448+/-0.207 χ^2/NDF:1050.8/7

+ sign 777.313+/-0.145 χ^2/NDF: 13292.6/24

All: 778.302+/-0.103 χ^2/NDF: 22176.1/50

- sign 779.289+/-0.145 χ^2/NDF: 8791.1/25



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

Left Out: -716.363+/-203.421 χ^2/NDF:32.4/8

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

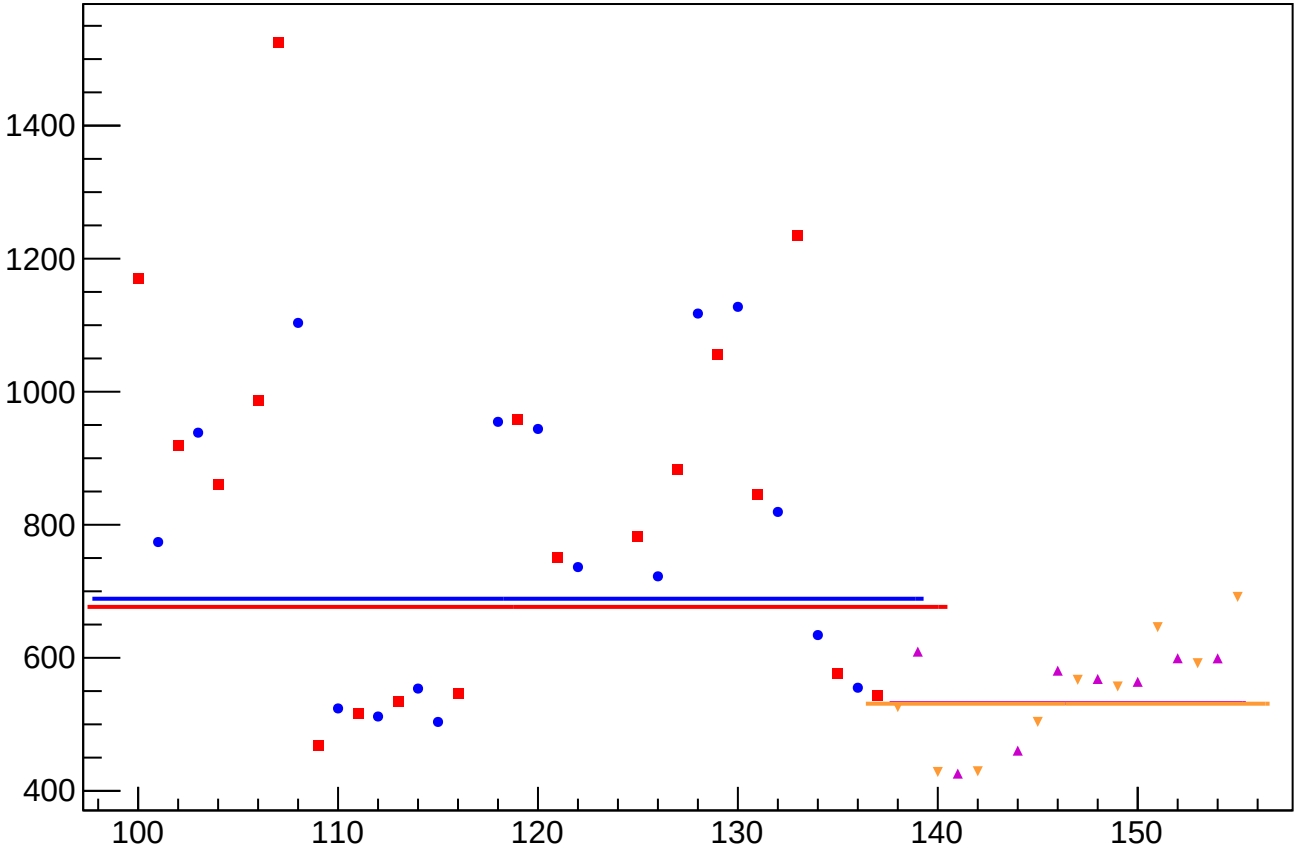
Left In: -104.261+/-203.141 χ^2/NDF:7.5/7

+ sign -586.566+/-161.829 χ^2/NDF: 56.9/24

All: -421.088+/-114.078 χ^2/NDF: 79.4/50

- sign -257.631+/-160.837 χ^2/NDF: 20.5/25

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 531.058+/-0.144 χ^2/NDF:318549.5/8

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

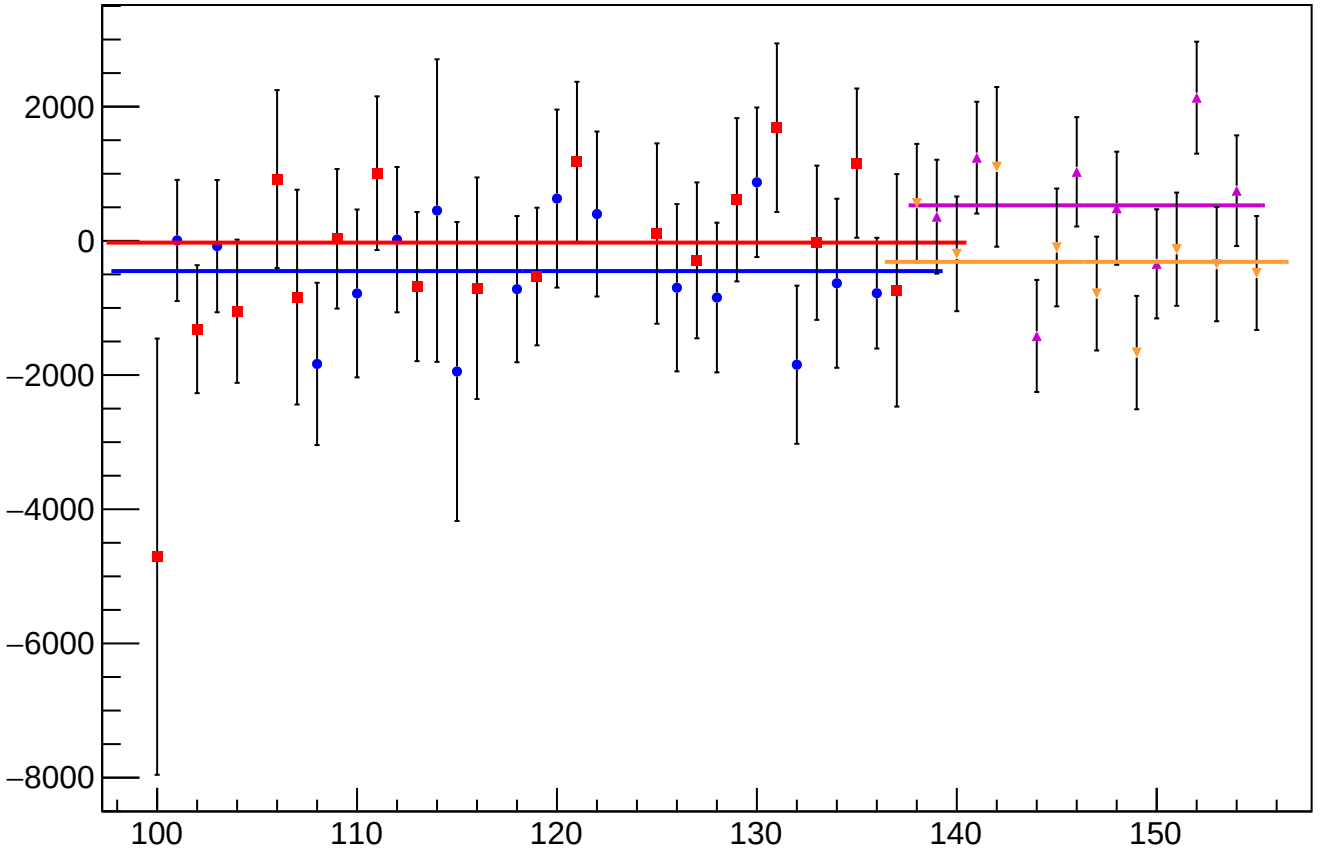
Left In: 532.130+/-0.144 χ^2/NDF:247943.8/7

+ sign 588.979+/-0.114 χ^2/NDF: 1788339.4/24

All: 587.493+/-0.081 χ^2/NDF: 3721954.9/50

- sign 586.026+/-0.114 χ^2/NDF: 1933280.3/25

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -312.757+/-293.388 χ^2/NDF:5.4/8

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

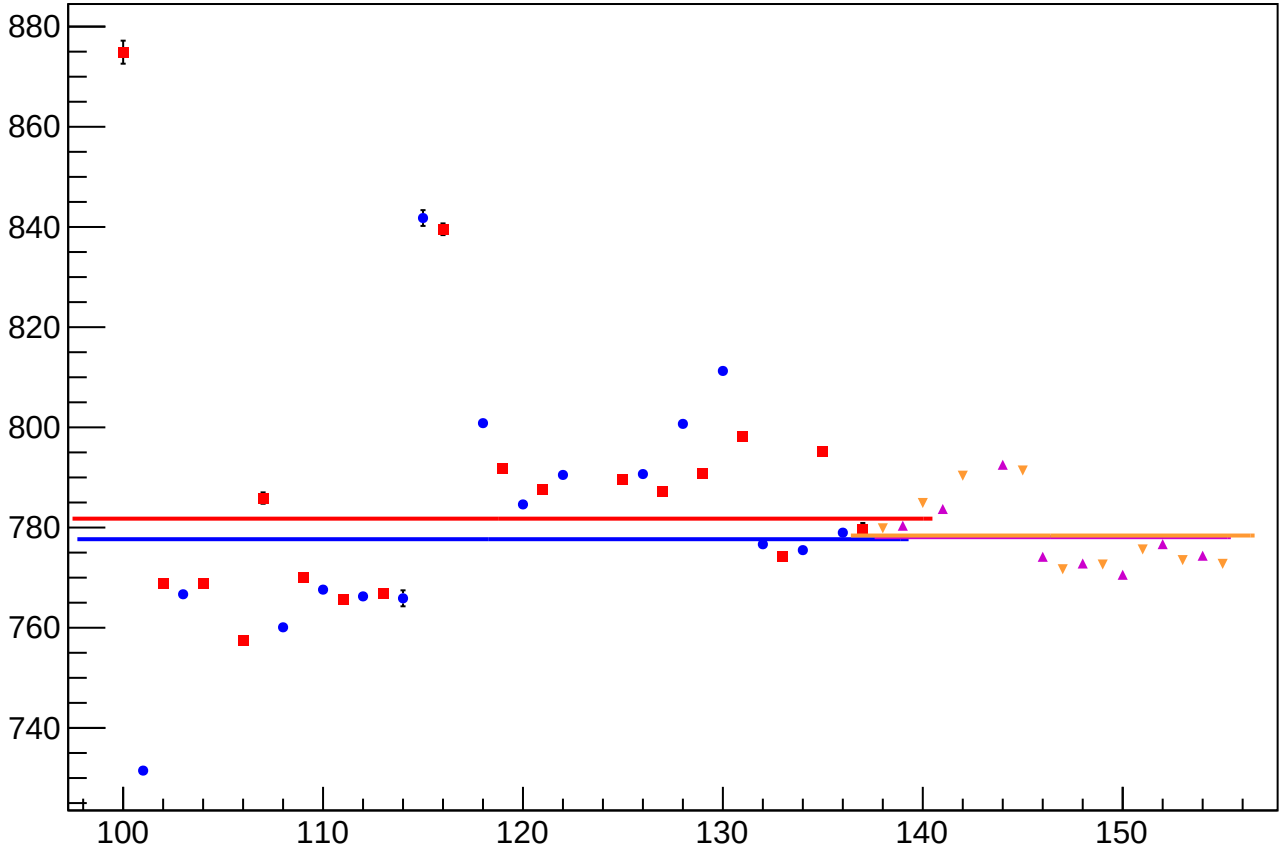
Left In: 529.005+/-293.647 χ^2/NDF:11.5/7

+ sign -382.908+/-205.870 χ^2/NDF: 12.5/24

All: -68.037+/-145.492 χ^2/NDF: 42.2/50

- sign 246.141+/-205.643 χ^2/NDF: 25.0/25

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 778.408+/-0.207 χ^2/NDF:1156.1/8

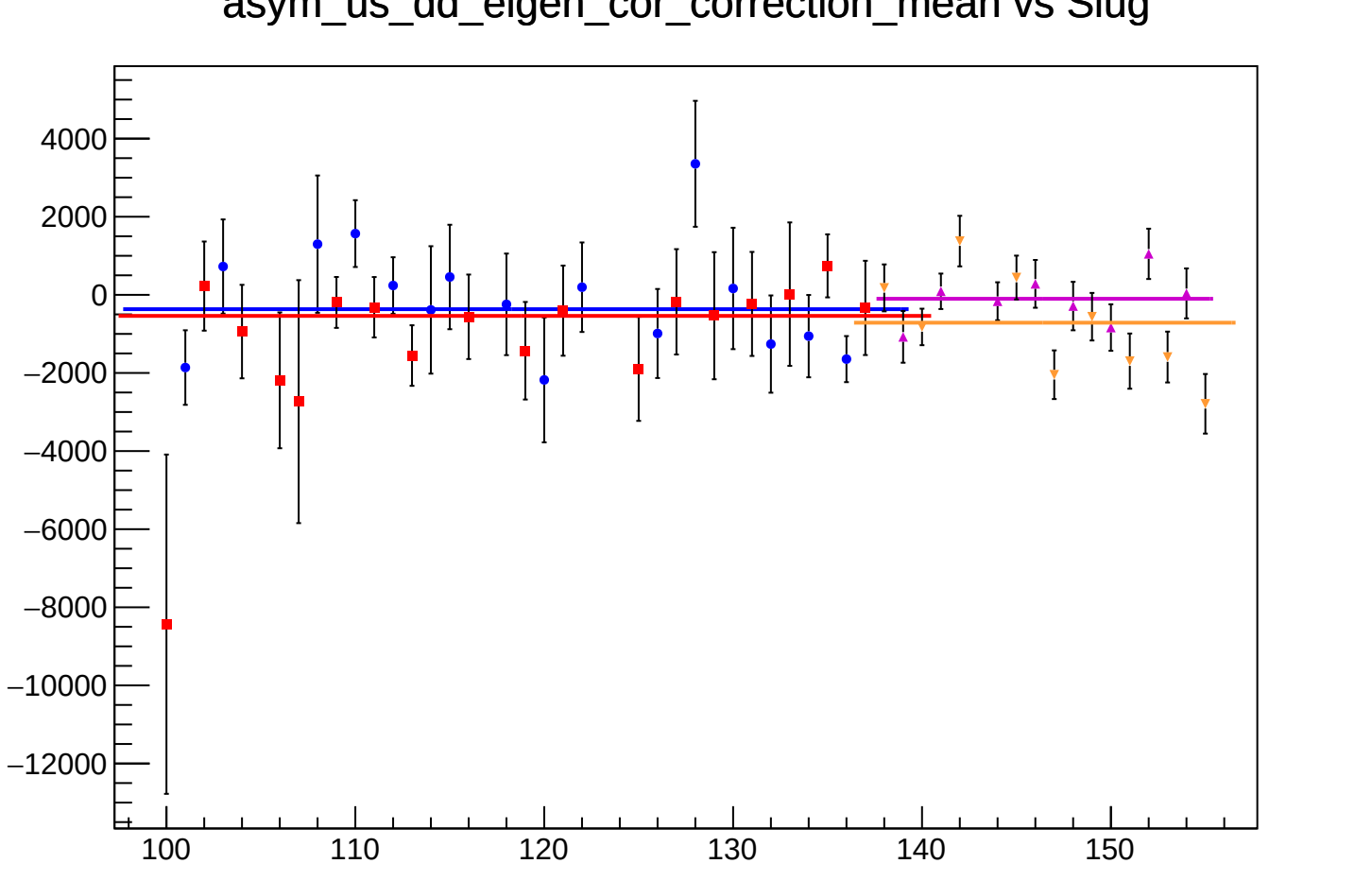
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.077+/-0.208 χ^2/NDF:1044.9/7

+ sign 778.036+/-0.146 χ^2/NDF: 13217.8/24

All: 779.000+/-0.103 χ^2/NDF: 22138.5/50

- sign 779.962+/-0.145 χ^2/NDF: 8833.0/25



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

Left Out: -713.052+/-202.999 χ^2/NDF:32.7/8

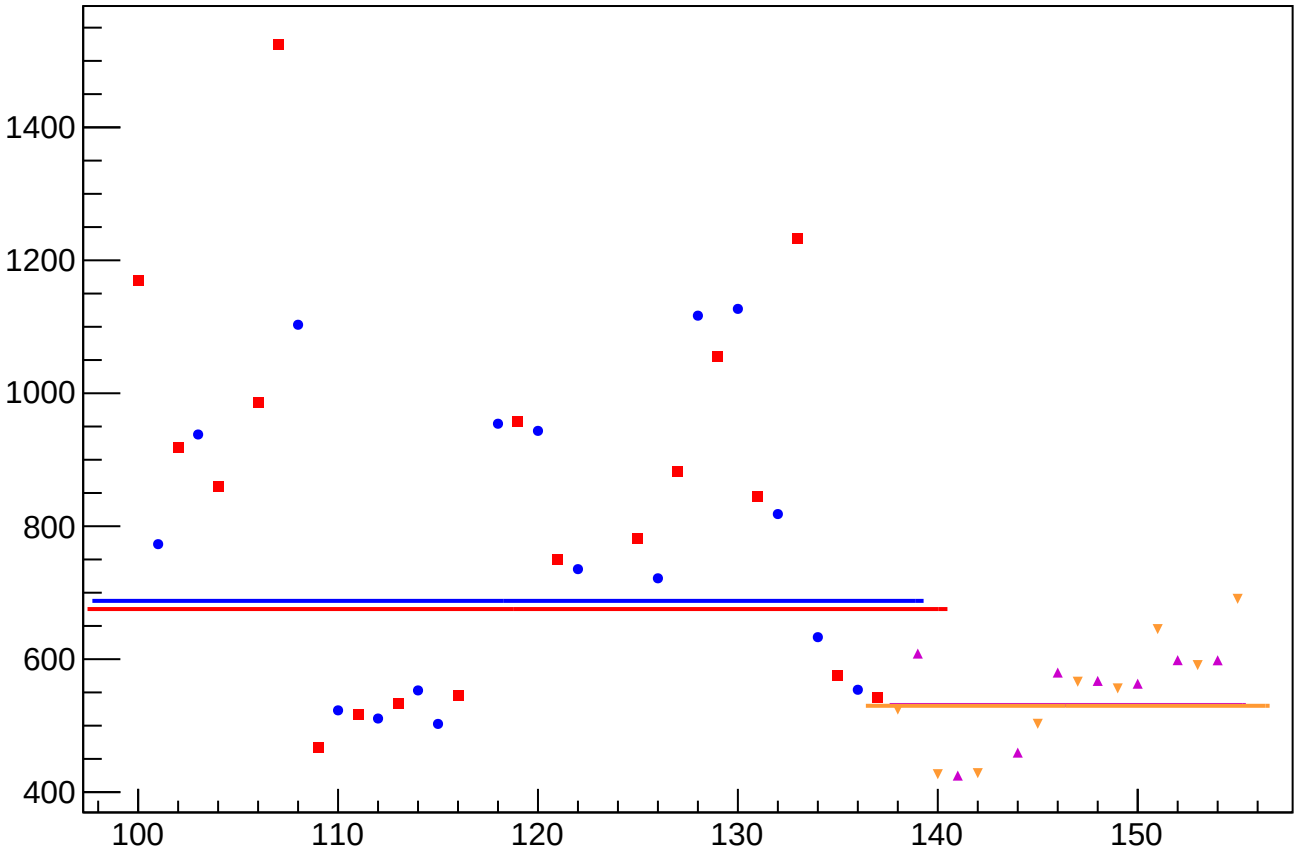
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -100.797+/-202.772 χ^2/NDF:7.6/7

+ sign -586.112+/-161.530 χ^2/NDF: 57.1/24

All: -424.188+/-113.876 χ^2/NDF: 80.1/50

- sign -264.197+/-160.564 χ^2/NDF: 21.0/25



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

Left Out: 529.885+/-0.144 χ^2/NDF:321232.7/8

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

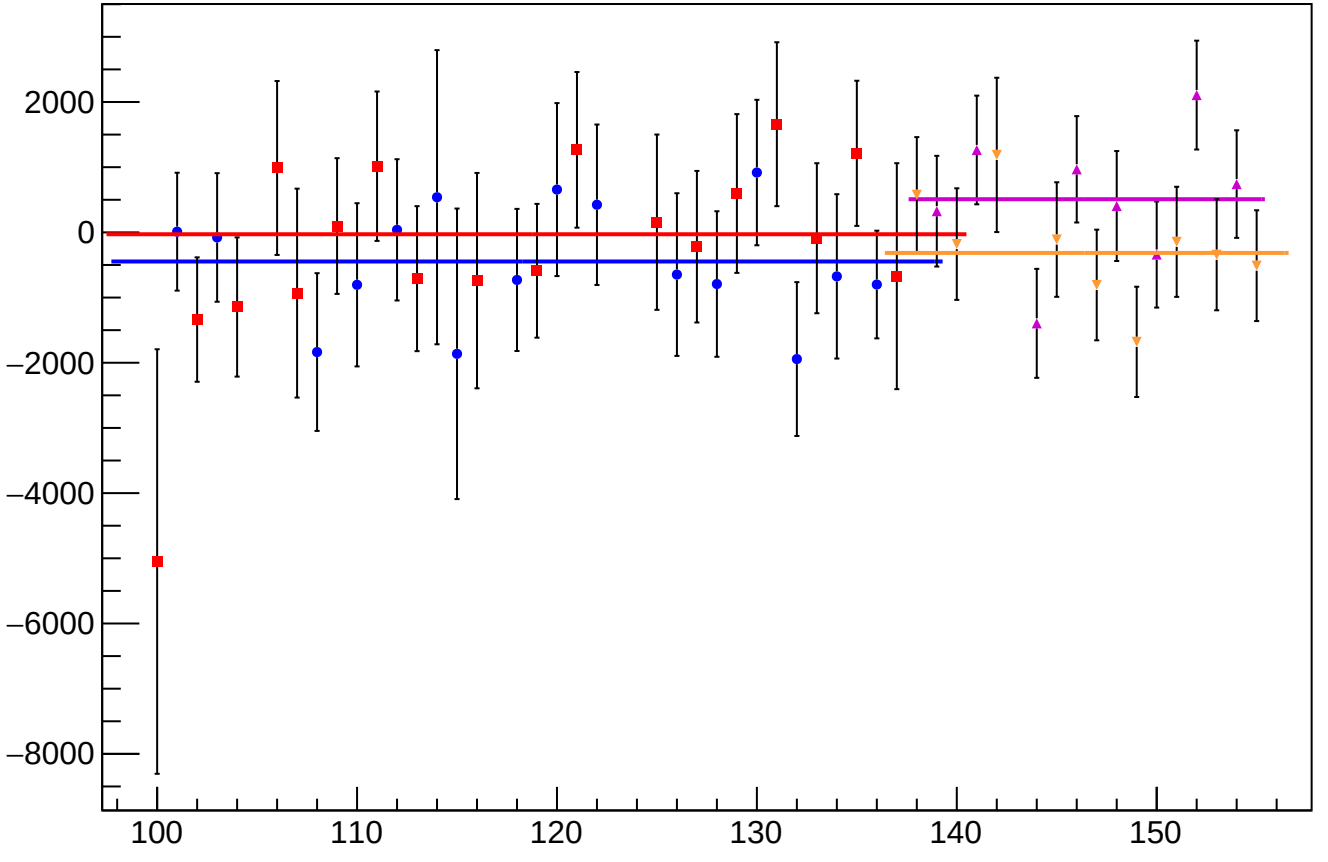
Left In: 531.120+/-0.143 χ^2/NDF:249670.6/7

+ sign 587.783+/-0.114 χ^2/NDF: 1796642.1/24

All: 586.352+/-0.081 χ^2/NDF: 3737353.0/50

- sign 584.938+/-0.114 χ^2/NDF: 1940398.8/25

dit_asym_us_dd_mean vs Slug



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

Left Out: -315.088+/-293.576 χ^2/NDF:5.7/8

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

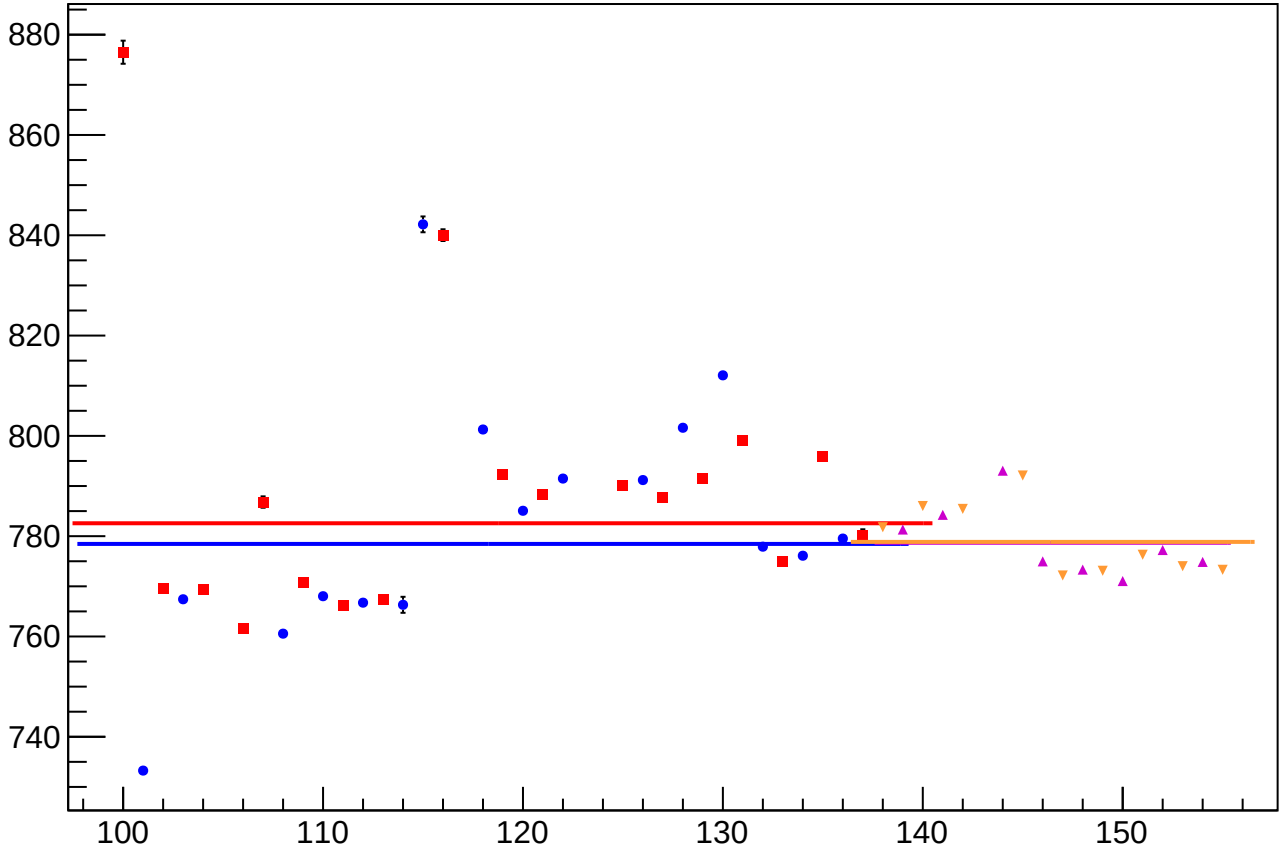
Left In: 508.710+/-293.876 χ^2/NDF:11.2/7

+ sign -381.852+/-206.039 χ^2/NDF: 13.1/24

All: -73.170+/-145.617 χ^2/NDF: 43.2/50

- sign 234.881+/-205.828 χ^2/NDF: 25.5/25

dit_asym_us_dd_rms vs Slug



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

Left Out: 778.860+/-0.208 χ^2/NDF:1063.4/8

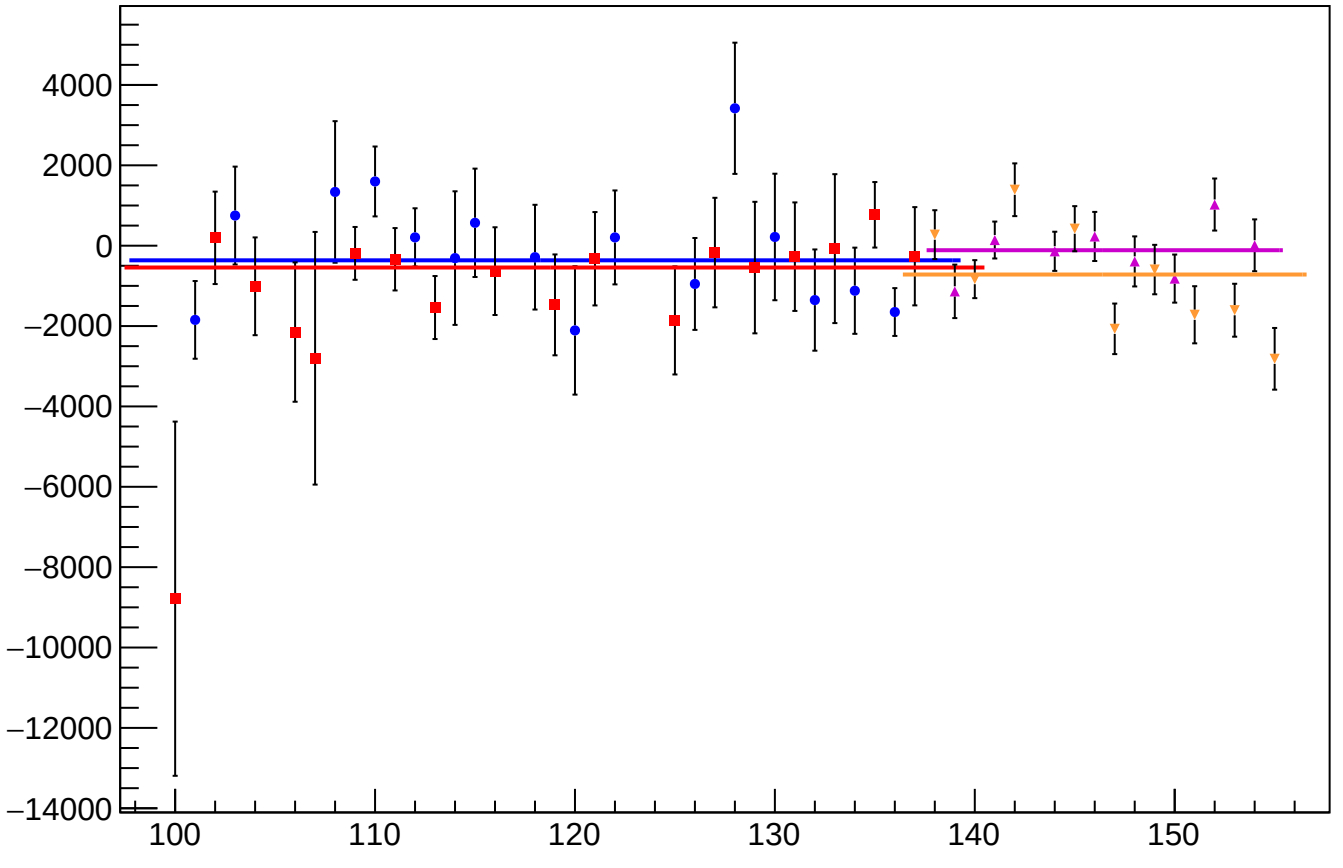
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.684+/-0.208 χ^2/NDF:1046.7/7

+ sign 778.655+/-0.146 χ^2/NDF: 12860.5/24

All: 779.662+/-0.103 χ^2/NDF: 21662.7/50

- sign 780.666+/-0.146 χ^2/NDF: 8706.7/25



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

Left Out: -717.366+/-204.901 χ^2/NDF:33.1/8

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

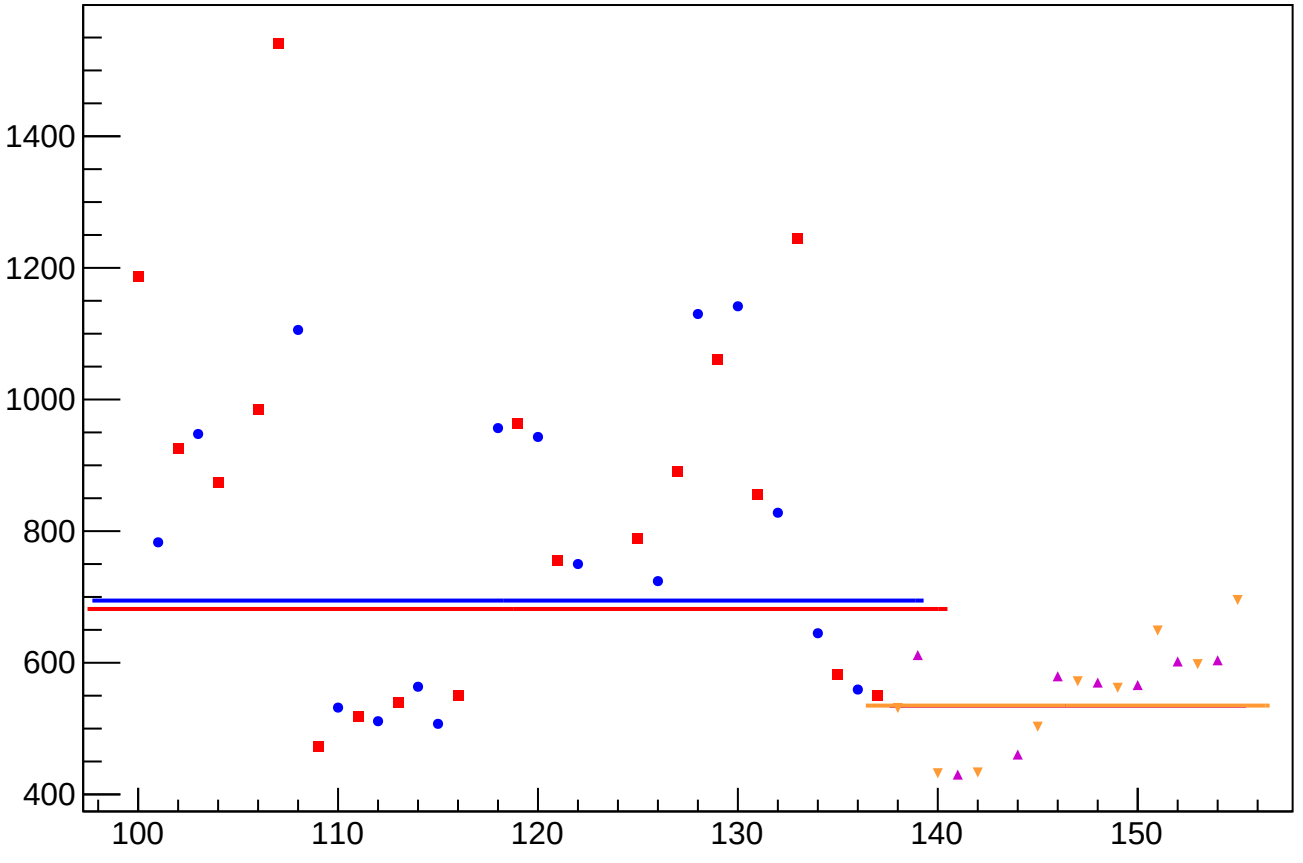
Left In: -112.600+/-203.917 χ^2/NDF:7.7/7

+ sign -587.804+/-163.070 χ^2/NDF: 57.5/24

All: -428.751+/-114.810 χ^2/NDF: 80.5/50

- sign -272.417+/-161.670 χ^2/NDF: 21.1/25

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 534.933+/-0.145 χ^2/NDF:316962.1/8

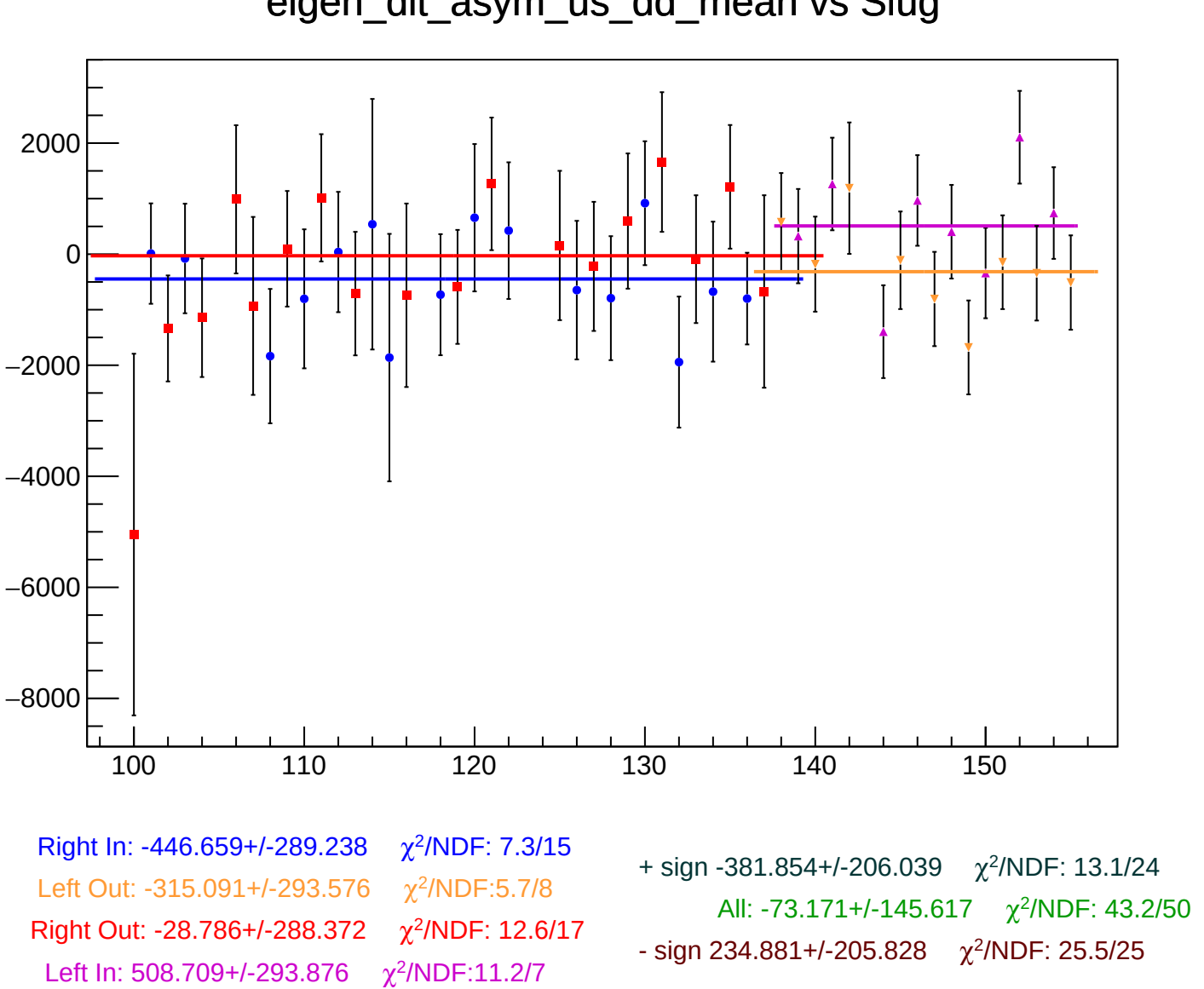
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 534.317+/-0.144 χ^2/NDF:244061.8/7

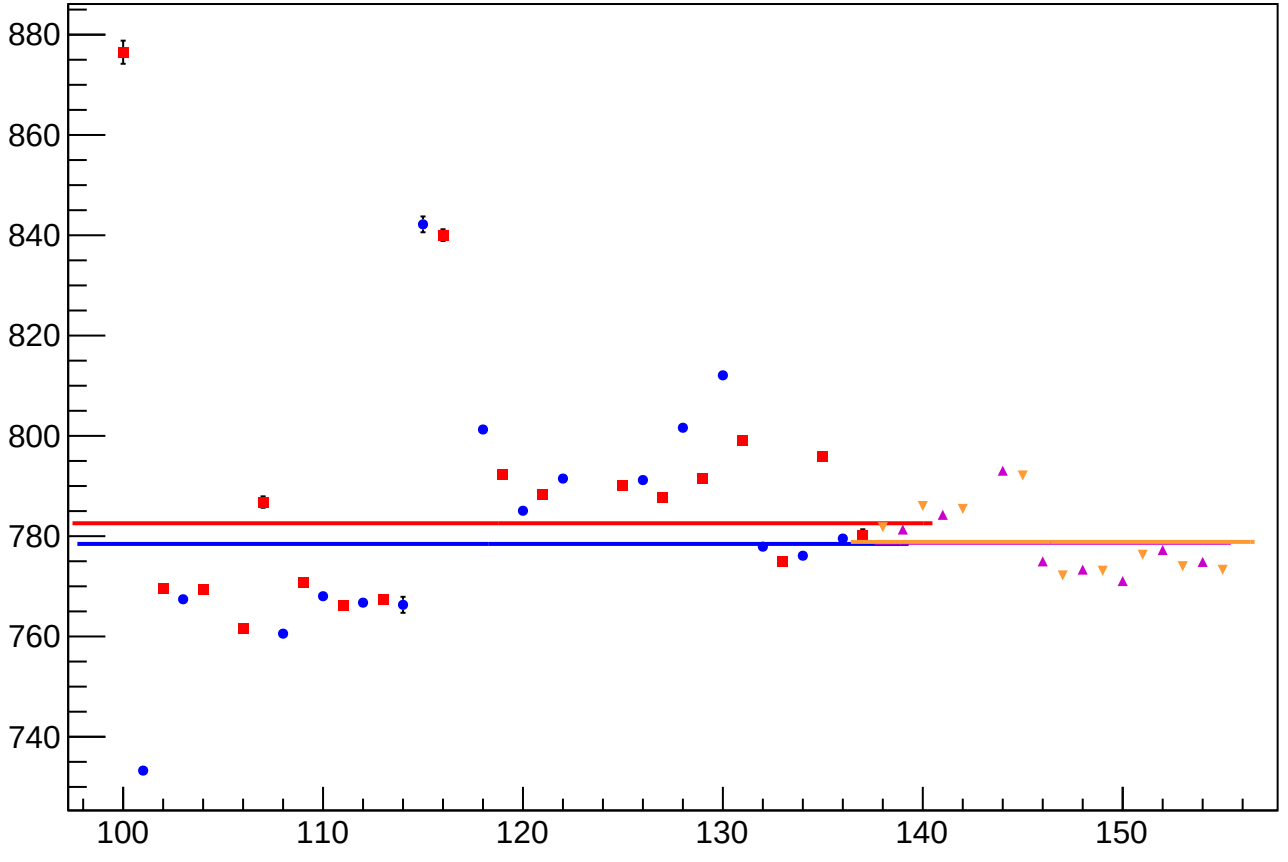
+ sign 593.443+/-0.115 χ^2/NDF: 1791658.5/24

All: 591.240+/-0.081 χ^2/NDF: 3736052.5/50

- sign 589.075+/-0.114 χ^2/NDF: 1943670.5/25


eigen_dit_asym_us_dd_mean vs Slug
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -446.659+/-289.238 χ²/NDF: 7.3/15
Left Out: -315.091+/-293.576 χ²/NDF:5.7/8
Right Out: -28.786+/-288.372 χ²/NDF: 12.6/17
Left In: 508.709+/-293.876 χ²/NDF:11.2/7
+ sign -381.854+/-206.039 χ²/NDF: 13.1/24
All: -73.171+/-145.617 χ²/NDF: 43.2/50
- sign 234.881+/-205.828 χ²/NDF: 25.5/25

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 778.860+/-0.208 χ^2/NDF:1063.4/8

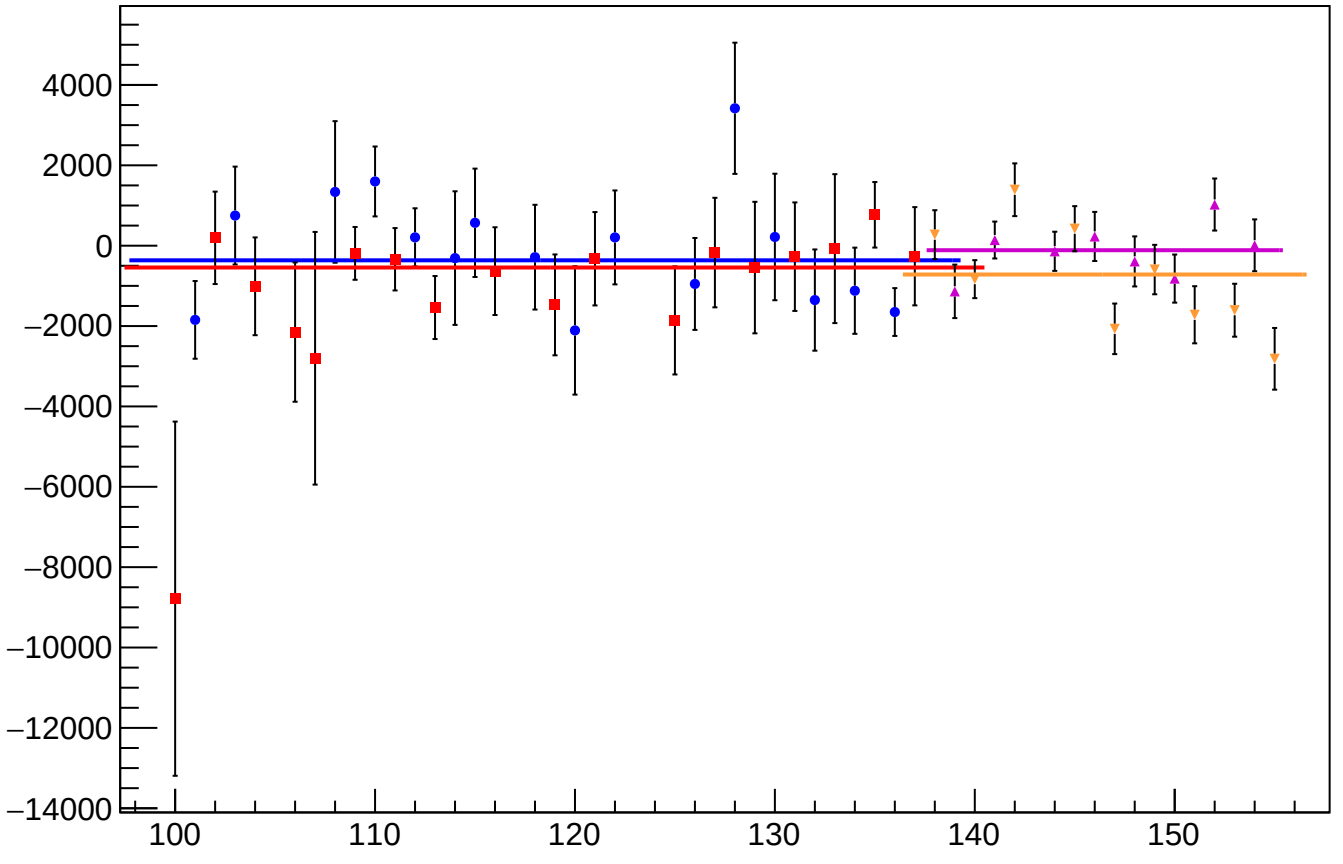
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.684+/-0.208 χ^2/NDF:1046.7/7

+ sign 778.655+/-0.146 χ^2/NDF: 12860.5/24

All: 779.662+/-0.103 χ^2/NDF: 21662.6/50

- sign 780.666+/-0.146 χ^2/NDF: 8706.7/25



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

Left Out: -717.366+/-204.901 χ^2/NDF:33.1/8

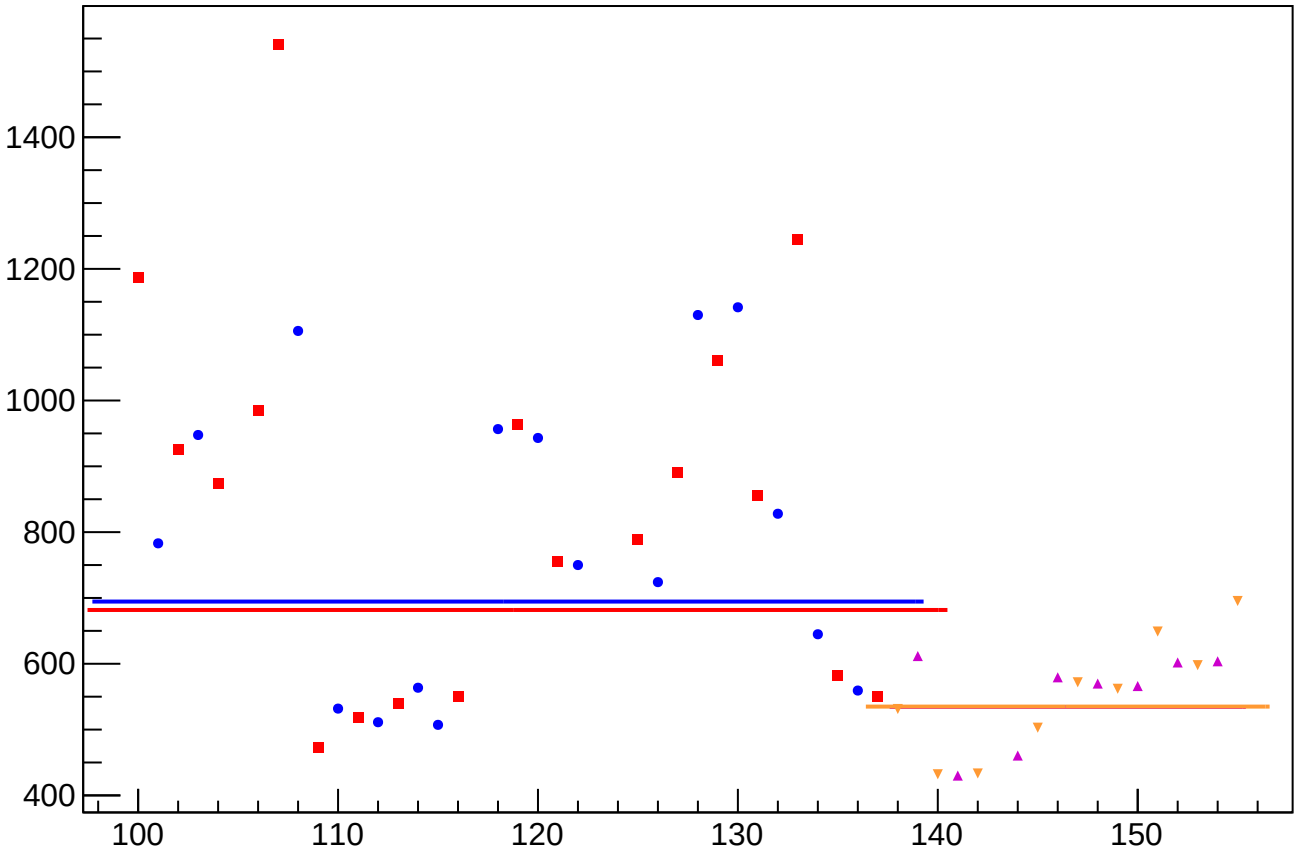
Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

Left In: -112.599+/-203.917 χ^2/NDF:7.7/7

\+ sign -587.801+/-163.070 χ^2/NDF: 57.5/24

All: -428.750+/-114.810 χ^2/NDF: 80.5/50

\- sign -272.417+/-161.670 χ^2/NDF: 21.1/25



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

Left Out: 534.933+/-0.145 χ^2/NDF:316973.8/8

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

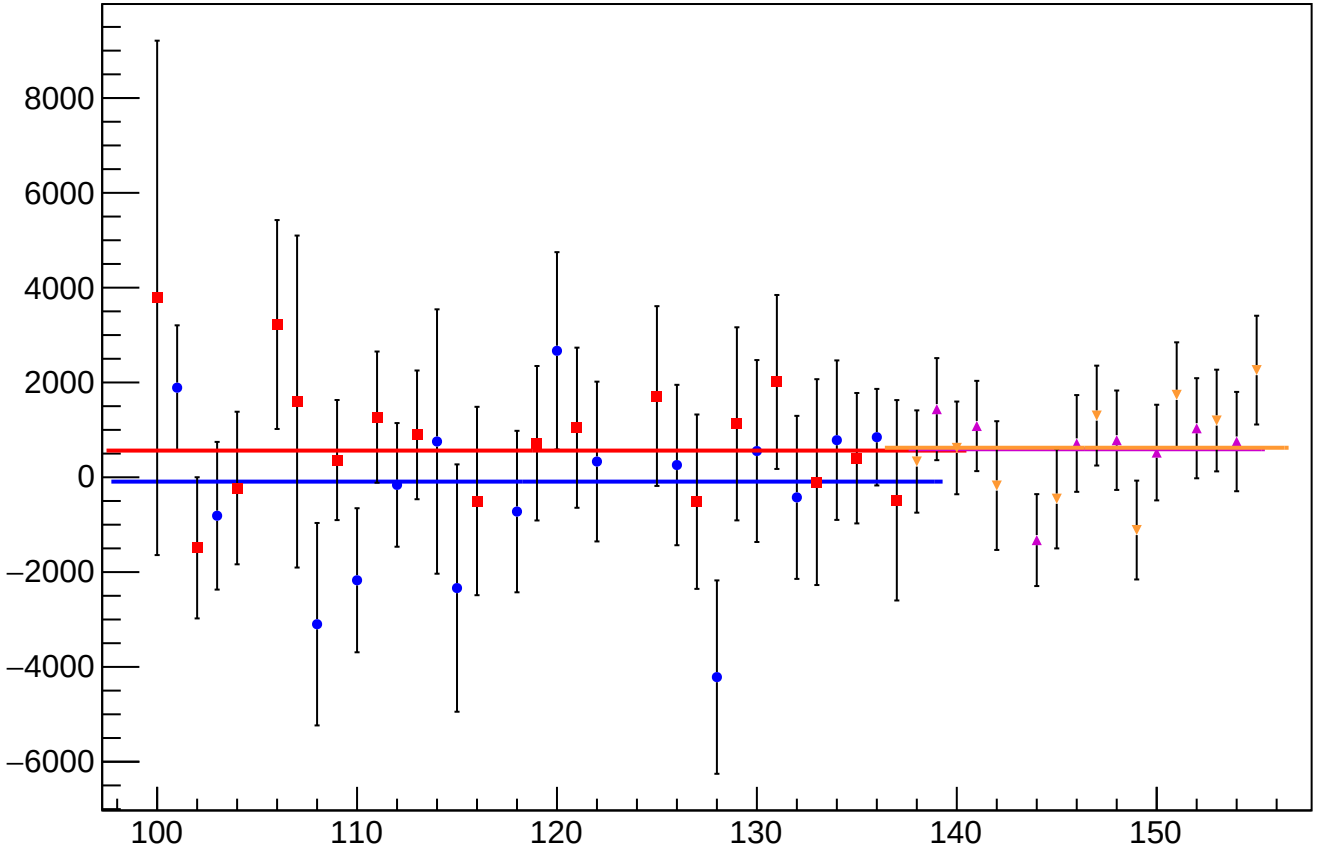
Left In: 534.317+/-0.144 χ^2/NDF:244072.7/7

+ sign 593.442+/-0.115 χ^2/NDF: 1791665.1/24

All: 591.239+/-0.081 χ^2/NDF: 3736073.8/50

- sign 589.074+/-0.114 χ^2/NDF: 1943685.2/25

asym_us_dd_mean vs Slug



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

Left Out: 623.148+/-362.233 χ^2/NDF:8.0/8

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

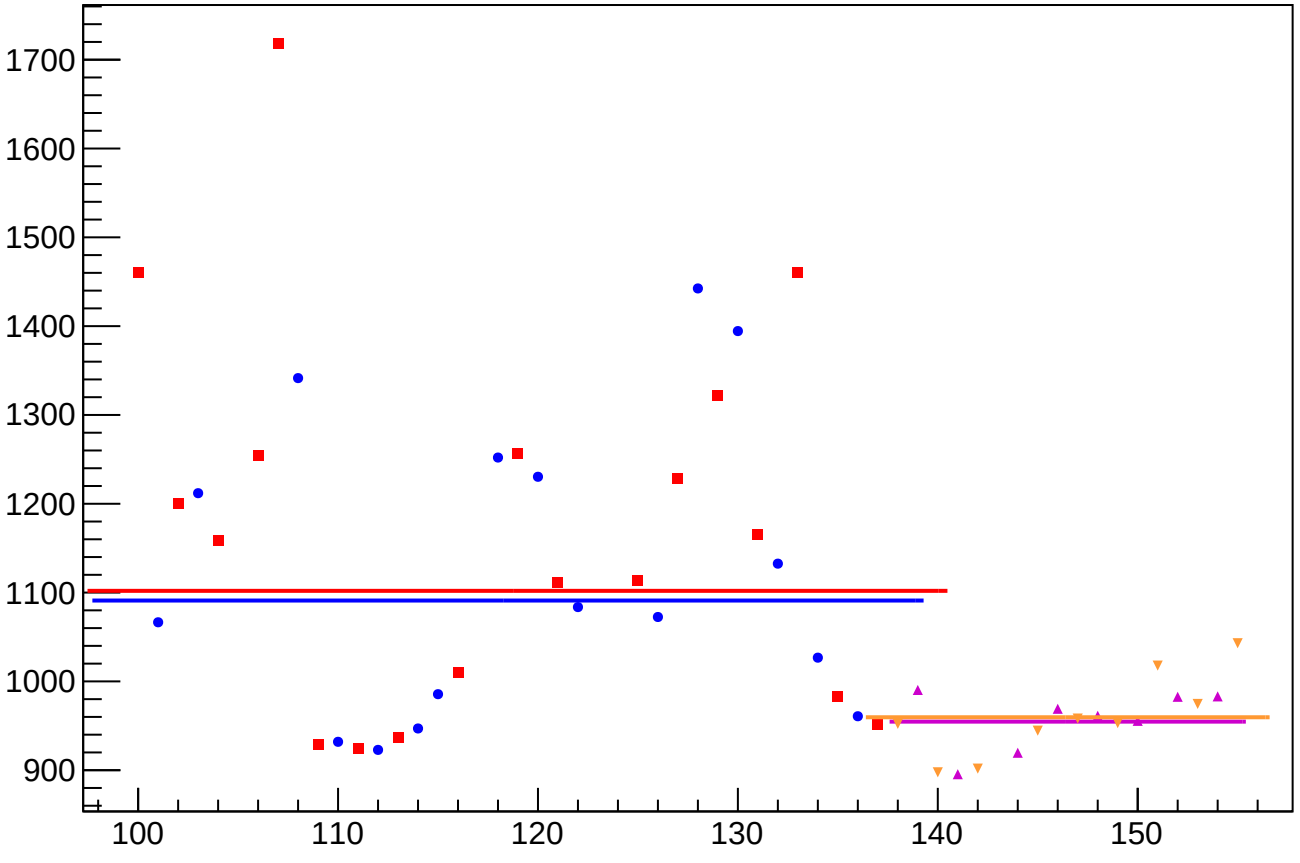
Left In: 591.363+/-360.593 χ^2/NDF:5.0/7

\+ sign 309.909+/-271.449 χ^2/NDF: 24.2/24

All: 444.655+/-191.862 χ^2/NDF: 36.3/50

\- sign 579.173+/-271.219 χ^2/NDF: 11.6/25

asym_us_dd_rms vs Slug



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

Left Out: 959.611+/-0.256 χ^2/NDF:28710.8/8

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

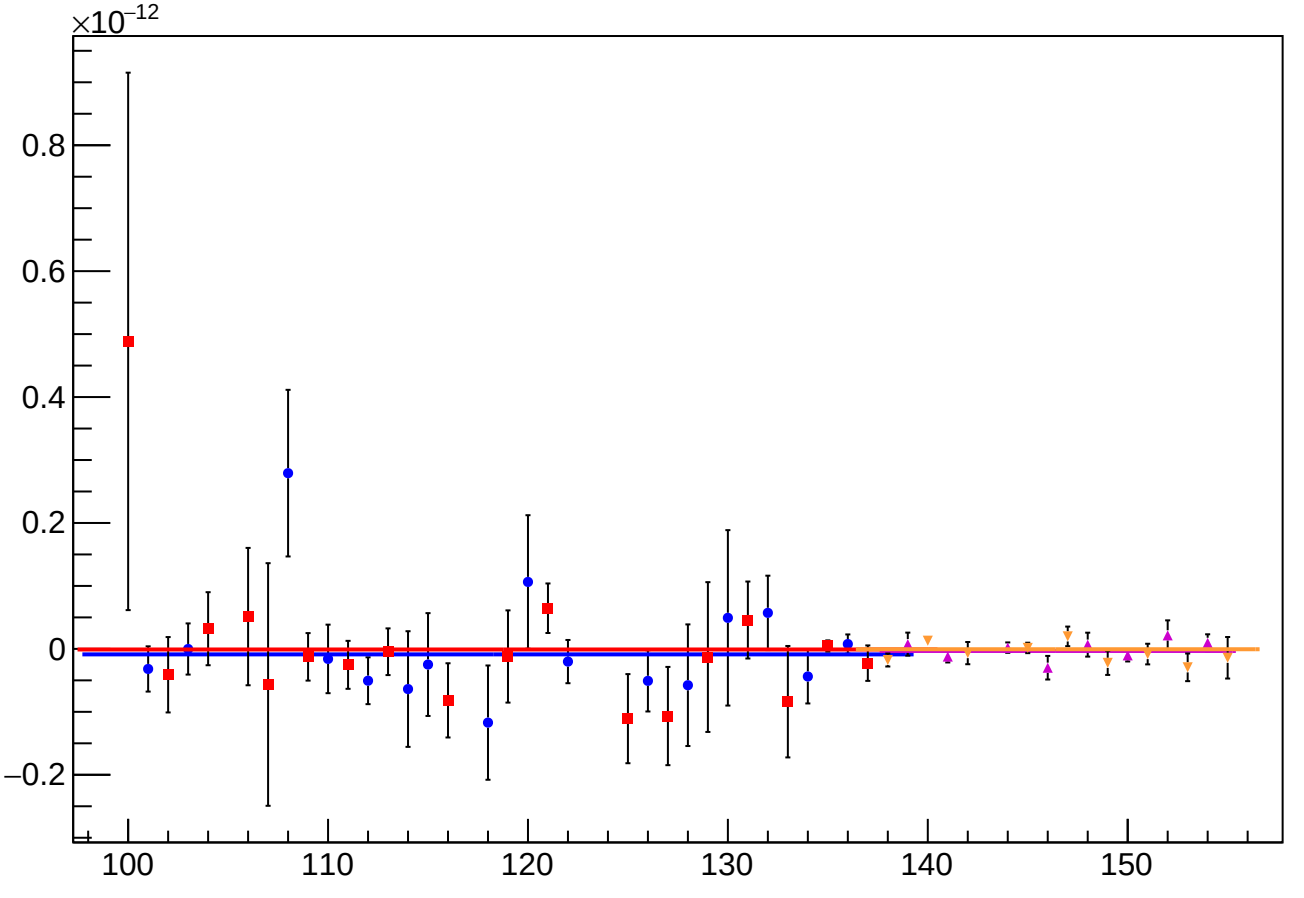
Left In: 954.696+/-0.255 χ^2/NDF:15902.3/7

+ sign 1017.234+/-0.192 χ^2/NDF: 421453.5/24

All: 1017.940+/-0.136 χ^2/NDF: 910338.1/50

- sign 1018.646+/-0.192 χ^2/NDF: 488857.5/25

asym_us_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/8

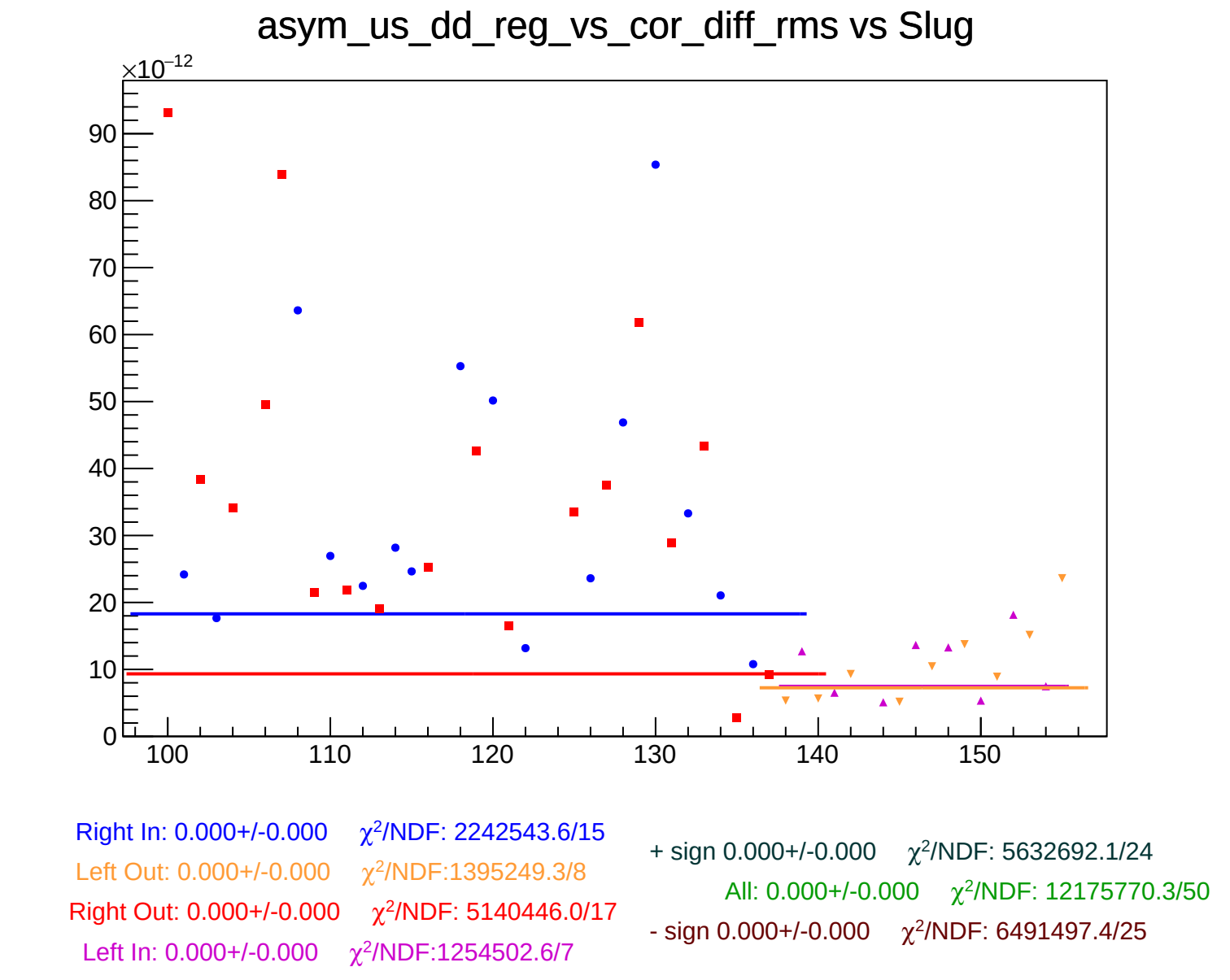
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:6.5/7

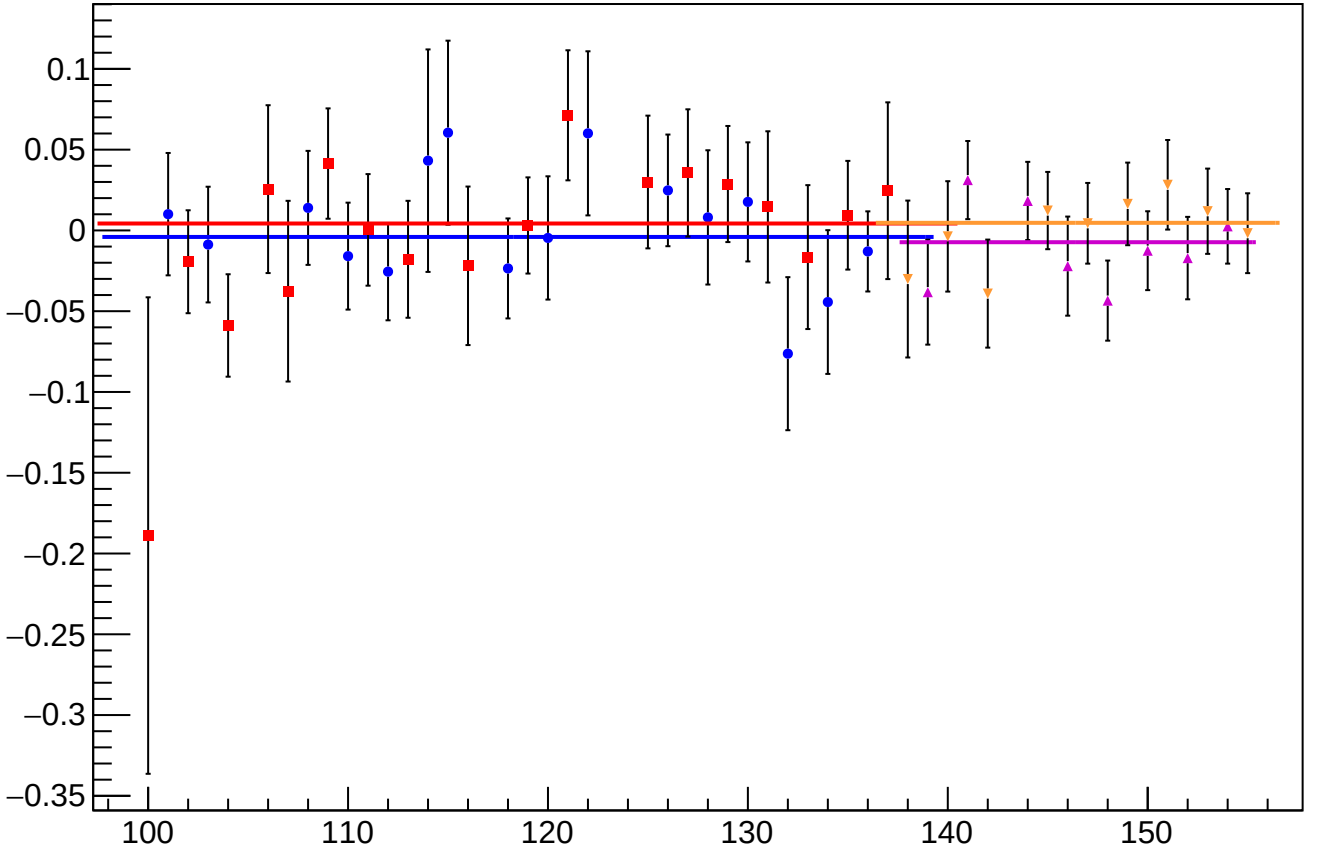
+ sign -0.000+/-0.000 χ^2/NDF: 25.5/24

All: -0.000+/-0.000 χ^2/NDF: 46.4/50

- sign -0.000+/-0.000 χ^2/NDF: 20.8/25


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
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1395249.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1254502.6/7
+ sign 0.000+/-0.000 χ²/NDF: 5632692.1/24
All: 0.000+/-0.000 χ²/NDF: 12175770.3/50
- sign 0.000+/-0.000 χ²/NDF: 6491497.4/25

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.005+/-0.009 χ^2/NDF:3.5/8

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

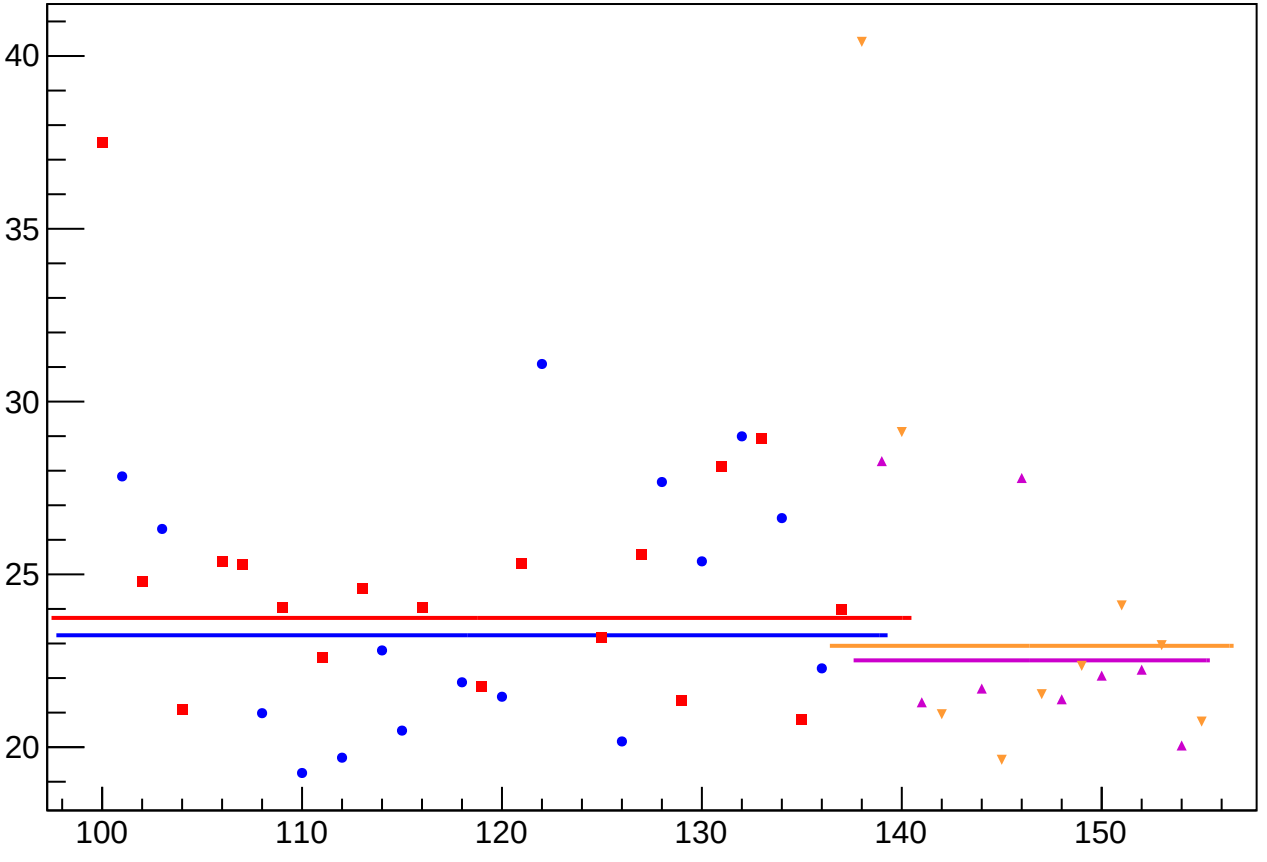
Left In: -0.007+/-0.009 χ^2/NDF:7.3/7

+ sign 0.000+/-0.007 χ^2/NDF: 13.1/24

All: -0.001+/-0.005 χ^2/NDF: 34.7/50

- sign -0.002+/-0.006 χ^2/NDF: 21.6/25

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 22.933+/-0.007 χ^2/NDF:396236.9/8

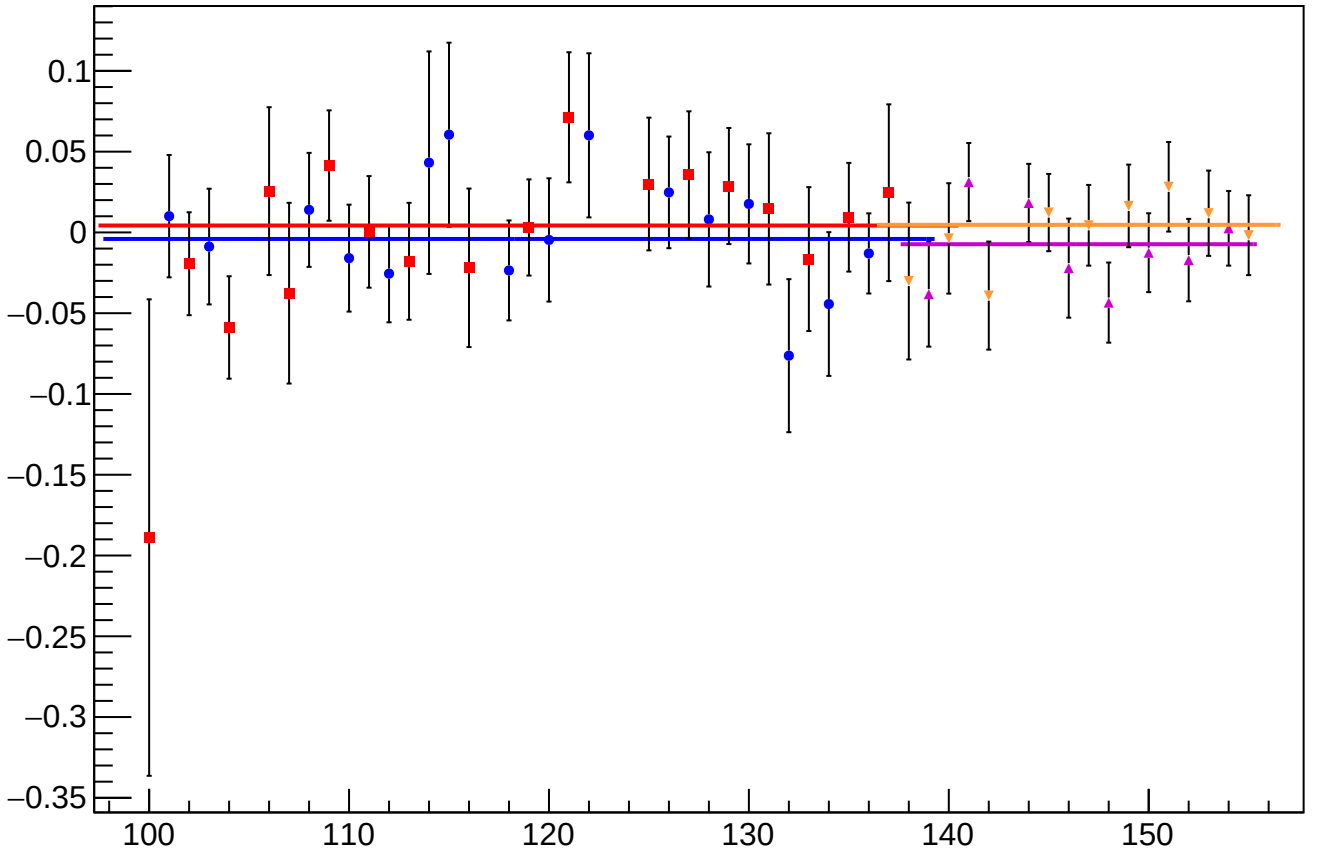
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.512+/-0.006 χ^2/NDF:157306.0/7

+ sign 23.087+/-0.005 χ^2/NDF: 656547.7/24

All: 23.099+/-0.003 χ^2/NDF: 957886.8/50

- sign 23.110+/-0.005 χ^2/NDF: 301326.4/25



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

Left Out: 0.005+/-0.009 χ^2/NDF:3.5/8

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

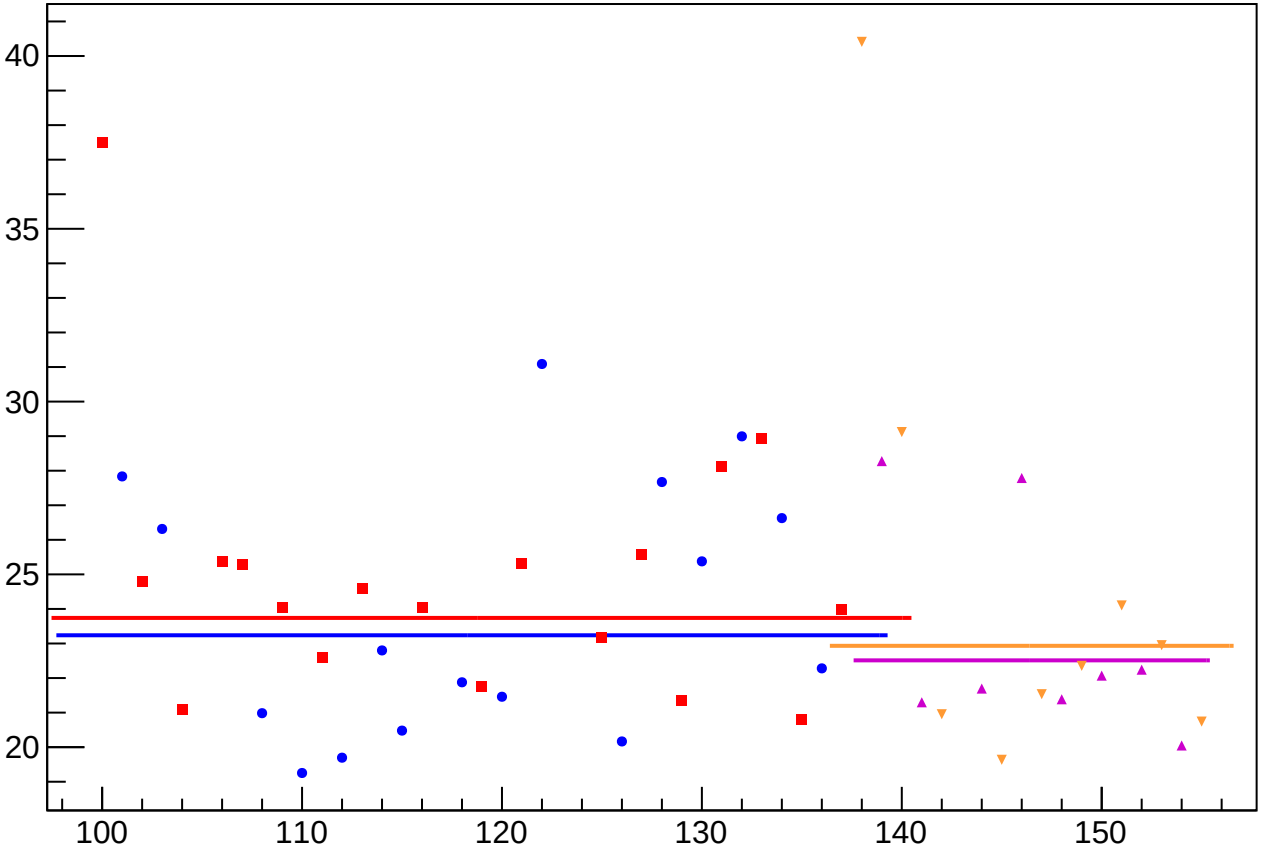
Left In: -0.007+/-0.009 χ^2/NDF:7.3/7

+ sign 0.000+/-0.007 χ^2/NDF: 13.1/24

All: -0.001+/-0.005 χ^2/NDF: 34.7/50

- sign -0.002+/-0.006 χ^2/NDF: 21.6/25

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: 22.933+/-0.007 χ^2/NDF:396236.9/8

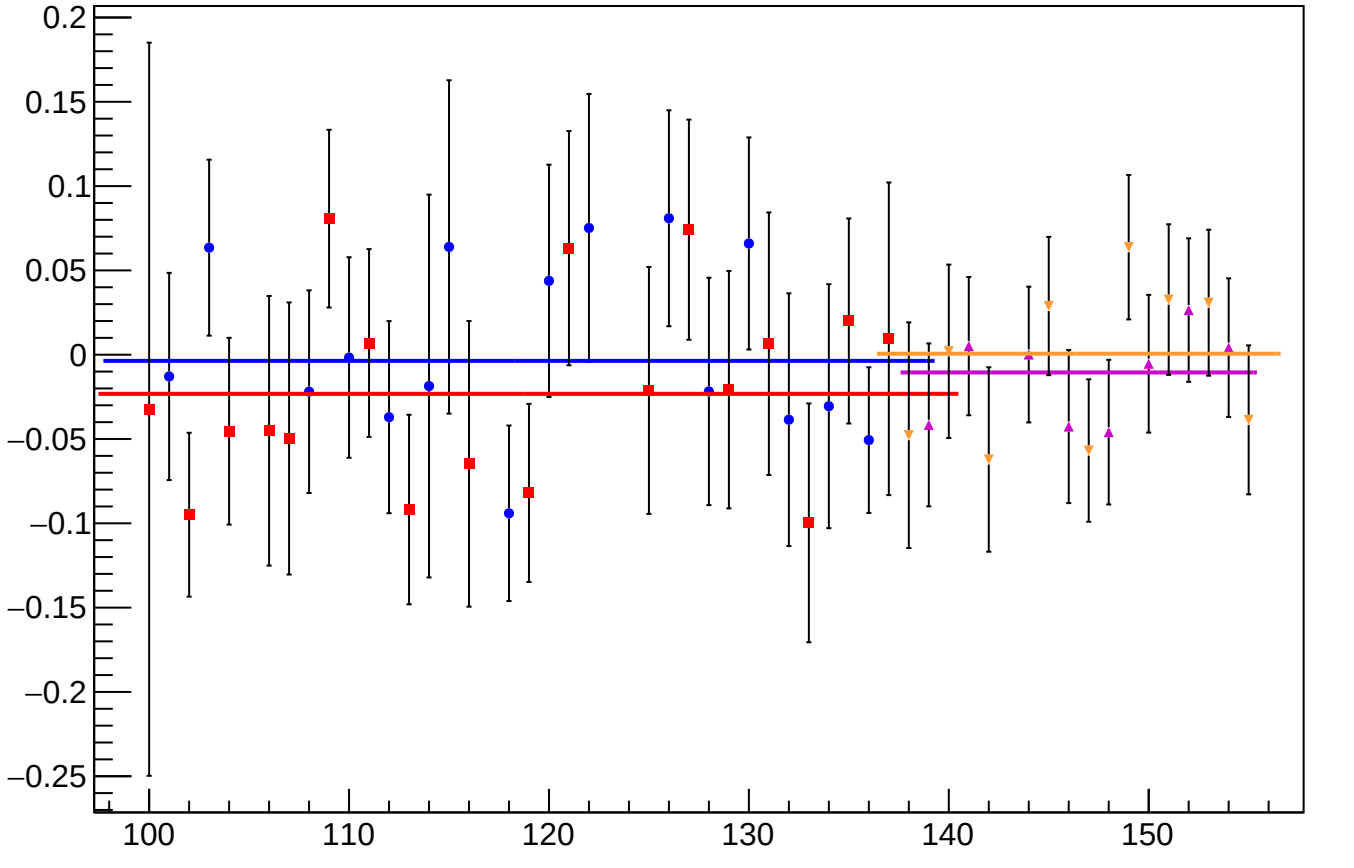
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.512+/-0.006 χ^2/NDF:157306.0/7

+ sign 23.087+/-0.005 χ^2/NDF: 656547.7/24

All: 23.099+/-0.003 χ^2/NDF: 957886.8/50

- sign 23.110+/-0.005 χ^2/NDF: 301326.4/25



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

Left Out: 0.001+/-0.015 χ^2/NDF:8.1/8

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

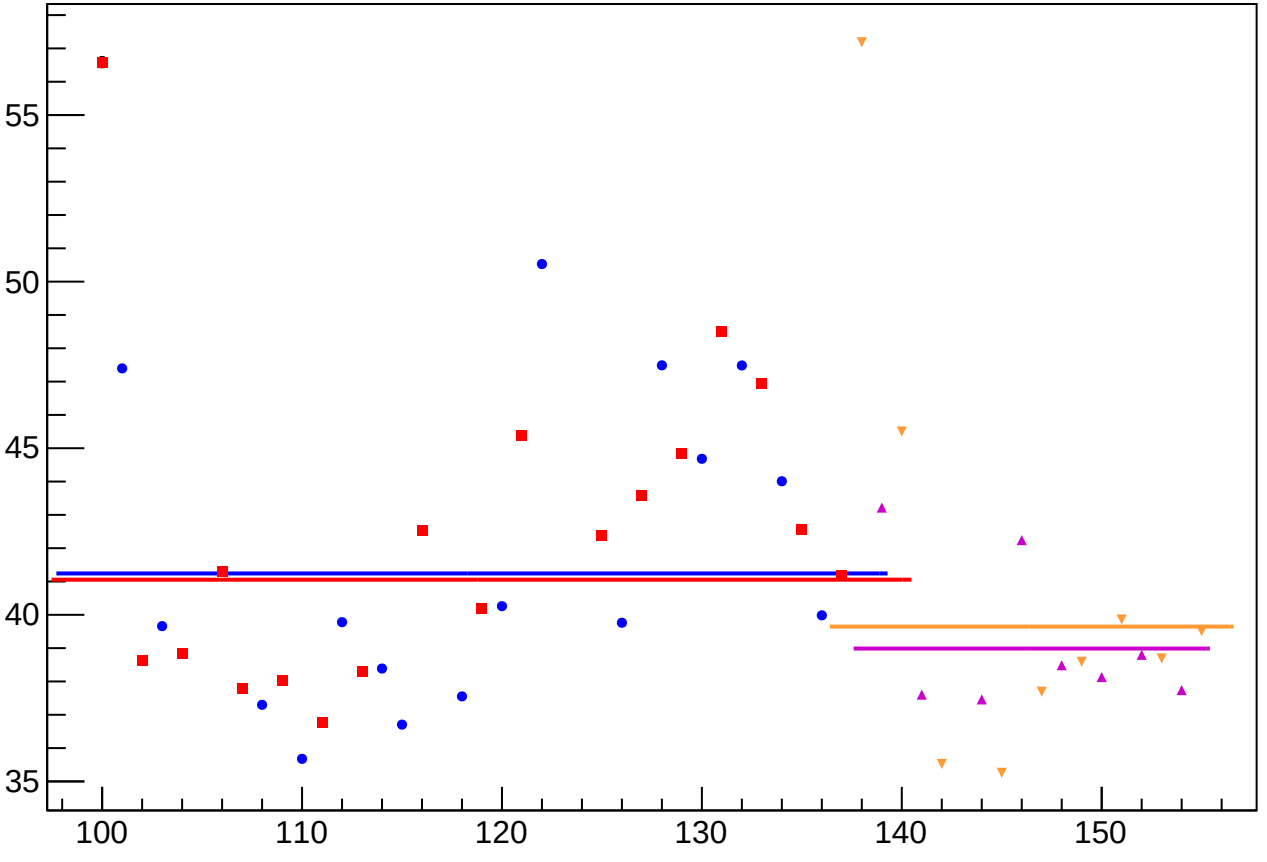
Left In: -0.011+/-0.015 χ^2/NDF:2.7/7

+ sign -0.001+/-0.011 χ^2/NDF: 19.8/24

All: -0.009+/-0.008 χ^2/NDF: 39.2/50

- sign -0.017+/-0.011 χ^2/NDF: 18.4/25

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: 39.647+/-0.011 χ^2/NDF:204165.5/8

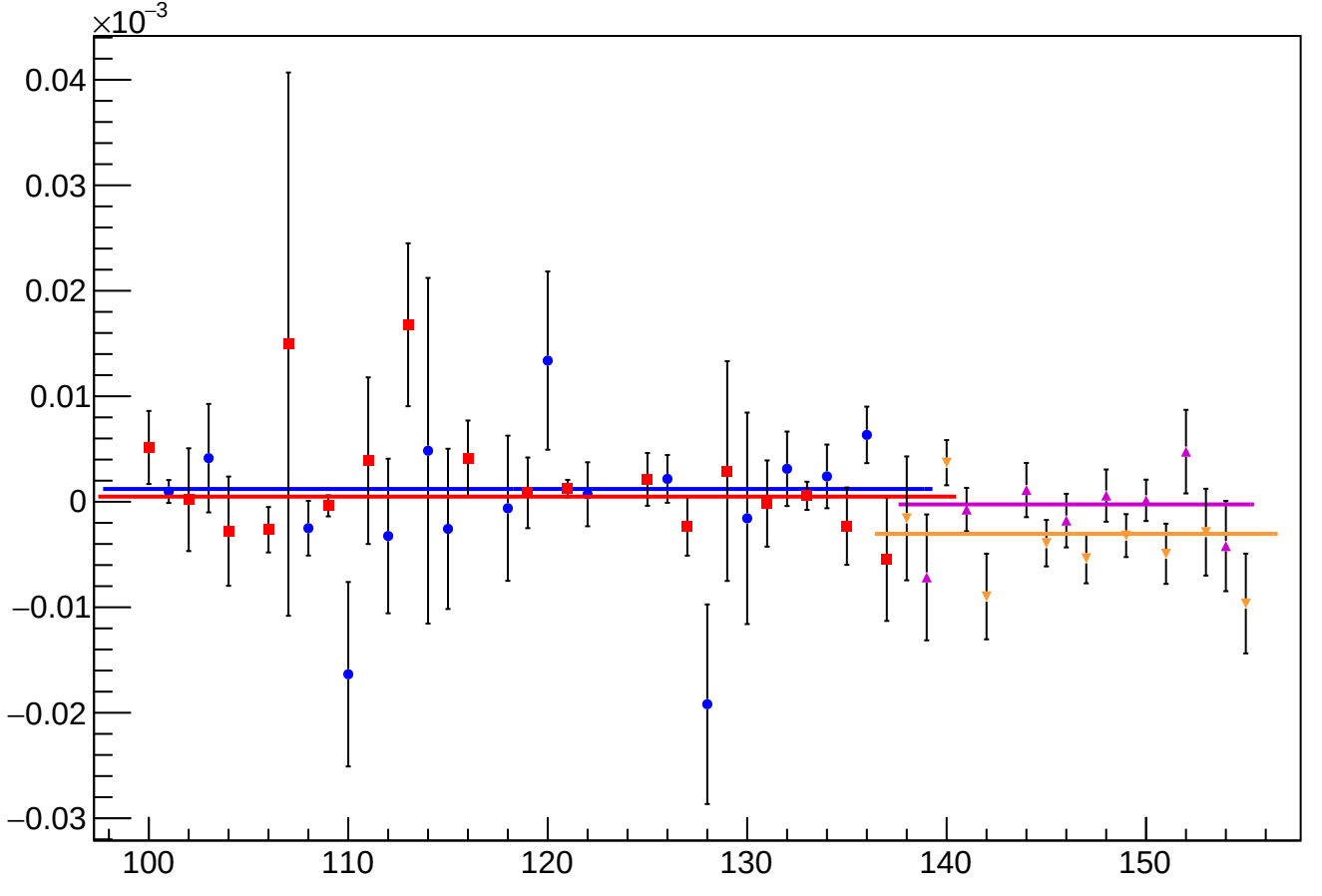
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 38.988+/-0.011 χ^2/NDF:33797.2/7

+ sign 40.430+/-0.008 χ^2/NDF: 349898.5/24

All: 40.206+/-0.005 χ^2/NDF: 500158.8/50

- sign 39.991+/-0.008 χ^2/NDF: 148641.5/25



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/8

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

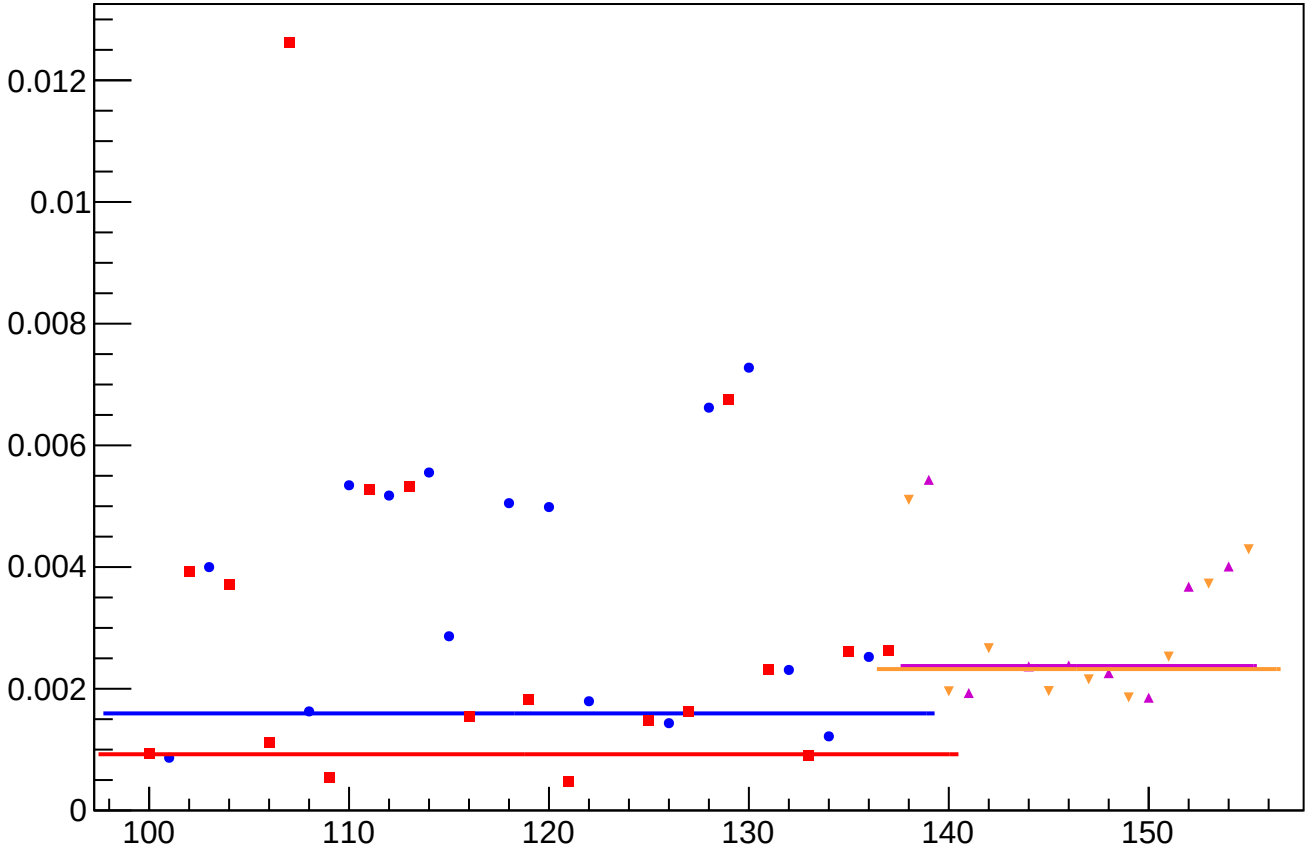
Left In: -0.000+/-0.000 χ^2/NDF:4.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 46.7/24

All: 0.000+/-0.000 χ^2/NDF: 68.0/50

- sign 0.000+/-0.000 χ^2/NDF: 20.1/25

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:1281459.2/8

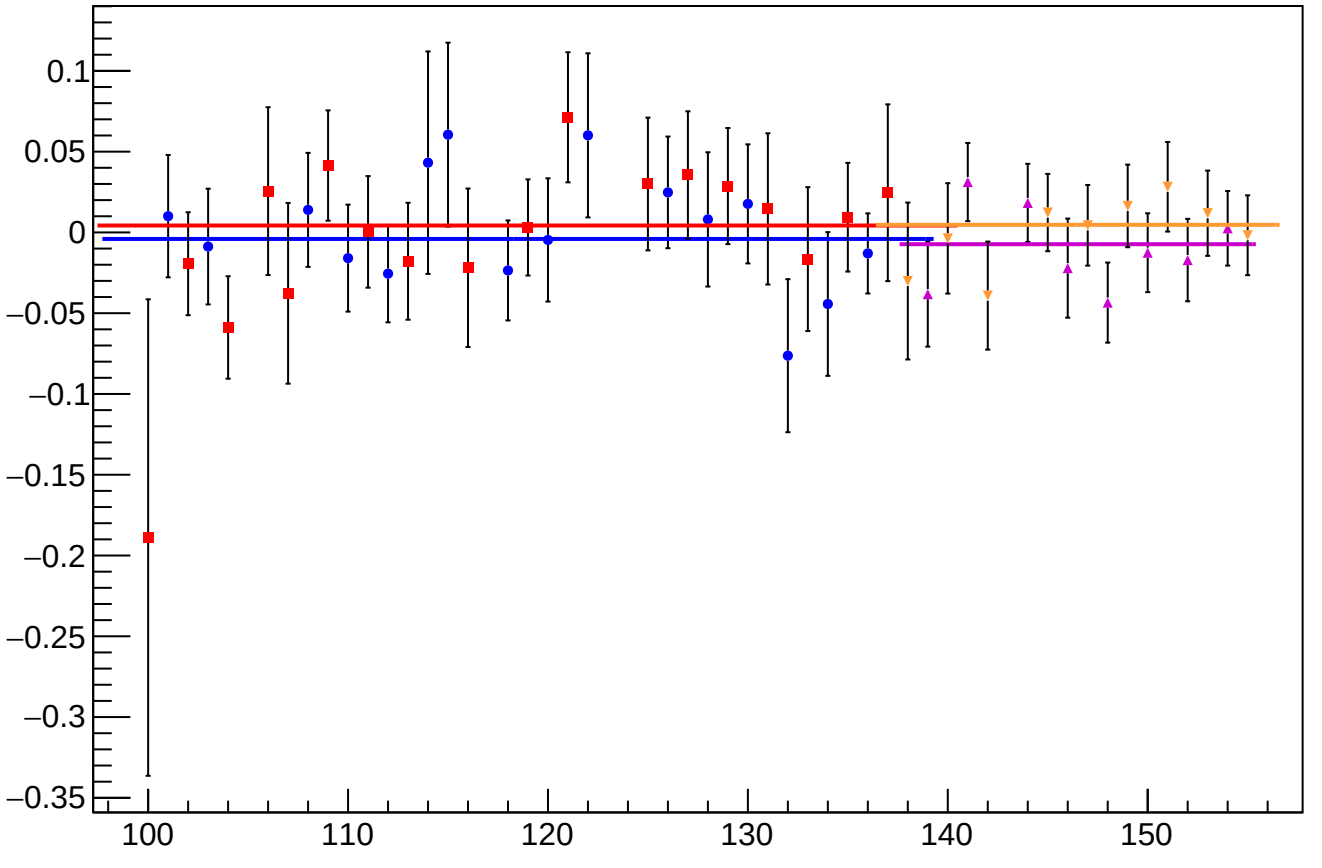
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:1273820.5/7

+ sign 0.002+/-0.000 χ^2/NDF: 6788747.8/24

All: 0.001+/-0.000 χ^2/NDF: 19077966.7/50

- sign 0.001+/-0.000 χ^2/NDF: 10724442.4/25



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

Left Out: 0.005+/-0.009 χ^2/NDF:3.5/8

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

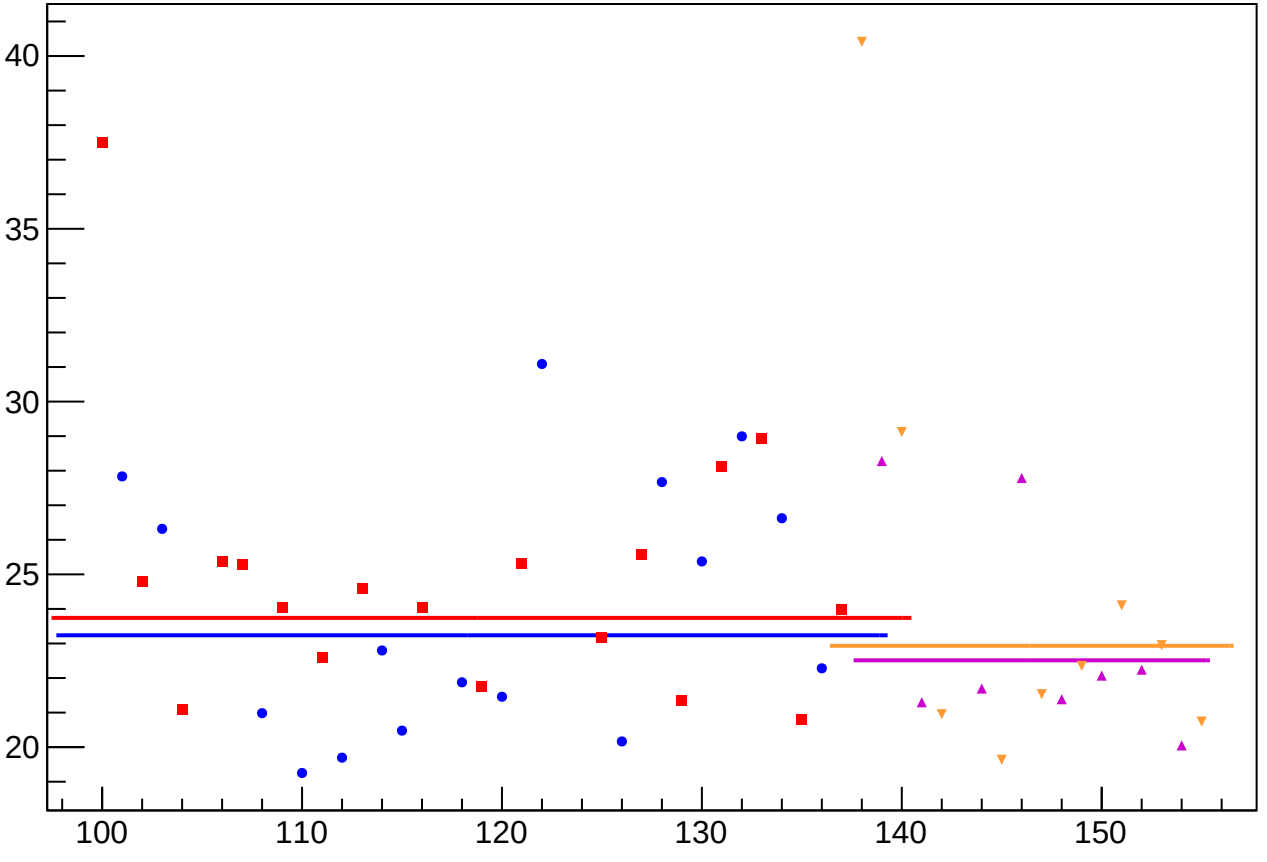
Left In: -0.007+/-0.009 χ^2/NDF:7.3/7

+ sign 0.000+/-0.007 χ^2/NDF: 13.1/24

All: -0.001+/-0.005 χ^2/NDF: 34.7/50

- sign -0.002+/-0.006 χ^2/NDF: 21.6/25

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: 22.933+/-0.007 χ^2/NDF:396232.7/8

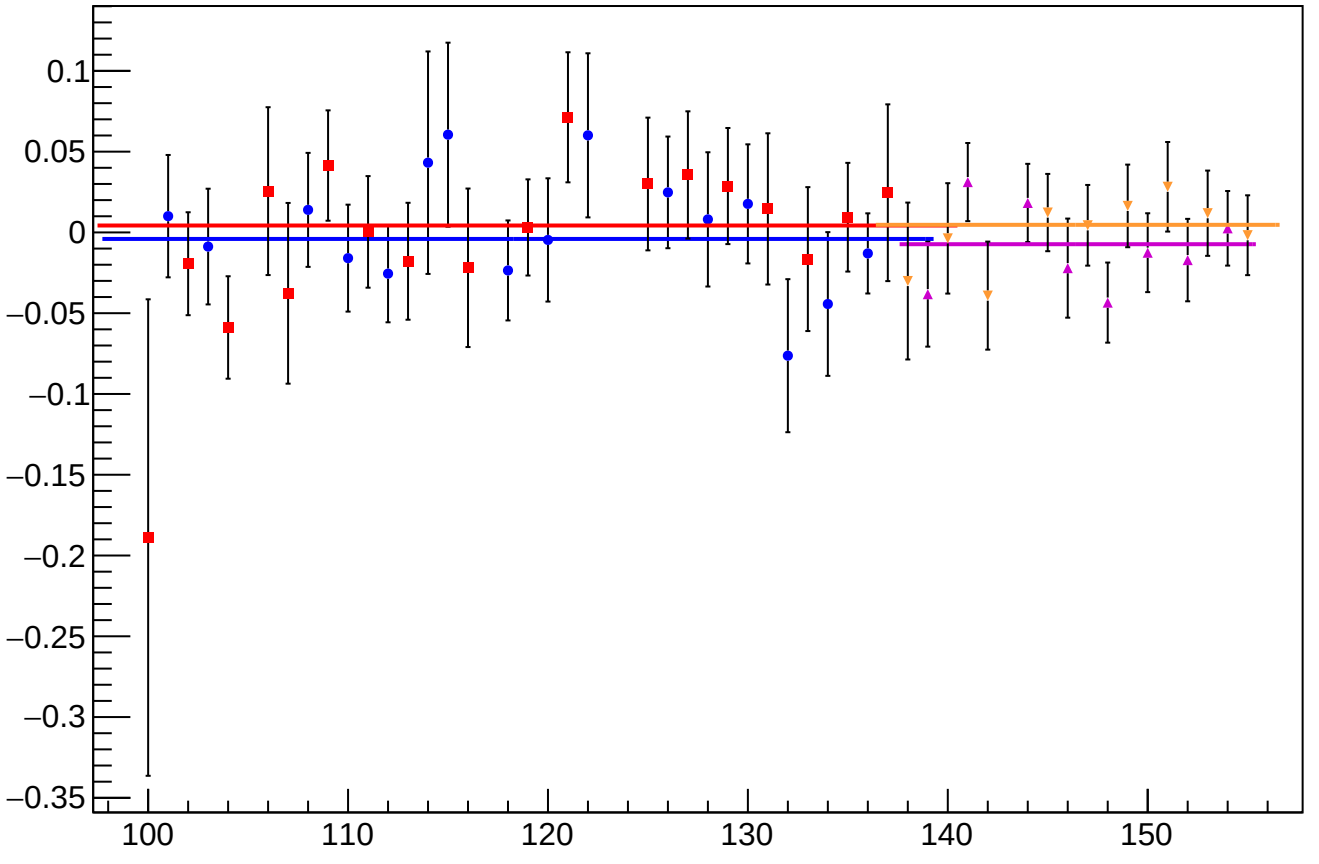
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.513+/-0.006 χ^2/NDF:157284.8/7

+ sign 23.087+/-0.005 χ^2/NDF: 656526.6/24

All: 23.099+/-0.003 χ^2/NDF: 957791.3/50

- sign 23.110+/-0.005 χ^2/NDF: 301251.5/25



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

Left Out: 0.005+/-0.009 χ^2/NDF:3.5/8

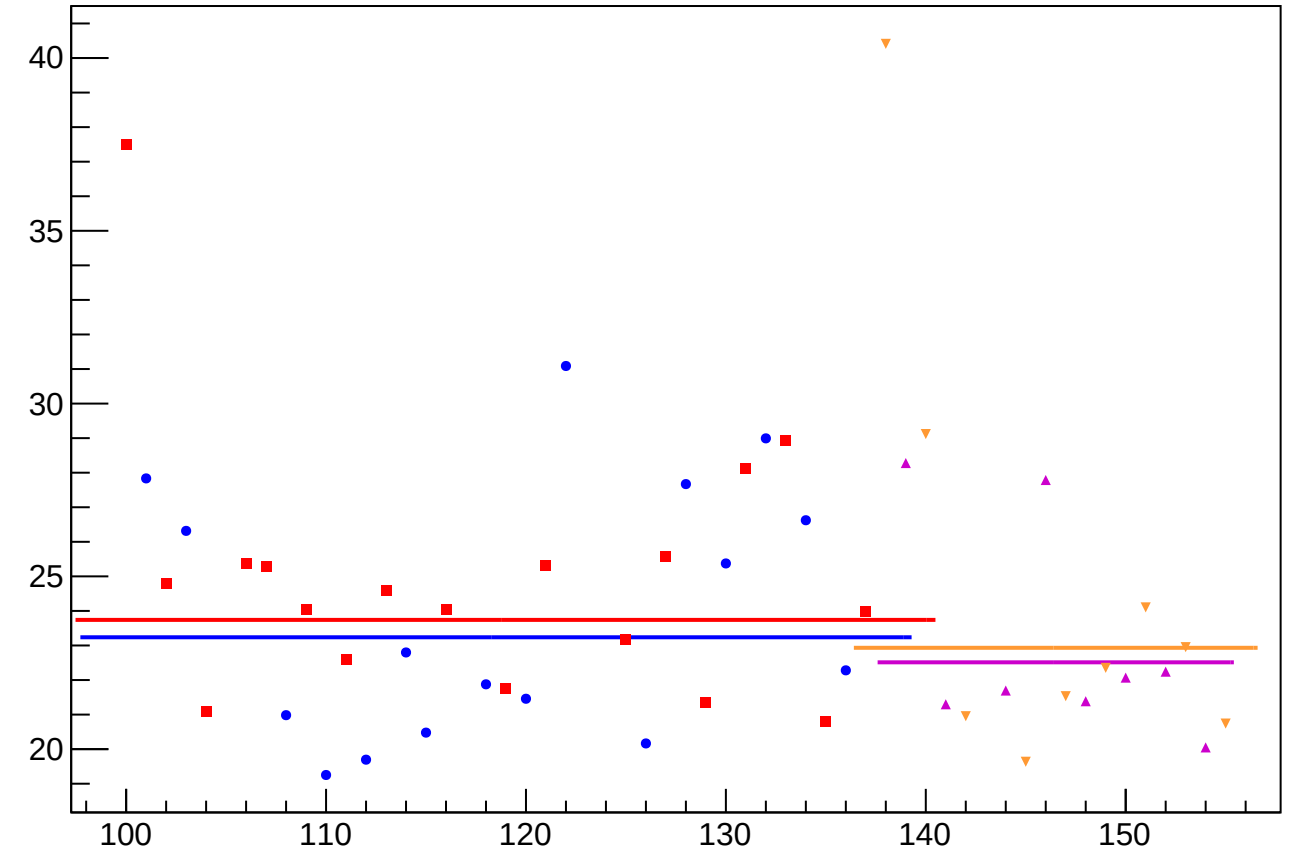
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.007+/-0.009 χ^2/NDF:7.3/7

+ sign 0.000+/-0.007 χ^2/NDF: 13.1/24

All: -0.001+/-0.005 χ^2/NDF: 34.7/50

- sign -0.002+/-0.006 χ^2/NDF: 21.6/25



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

Left Out: 22.933+/-0.007 χ^2/NDF:396232.7/8

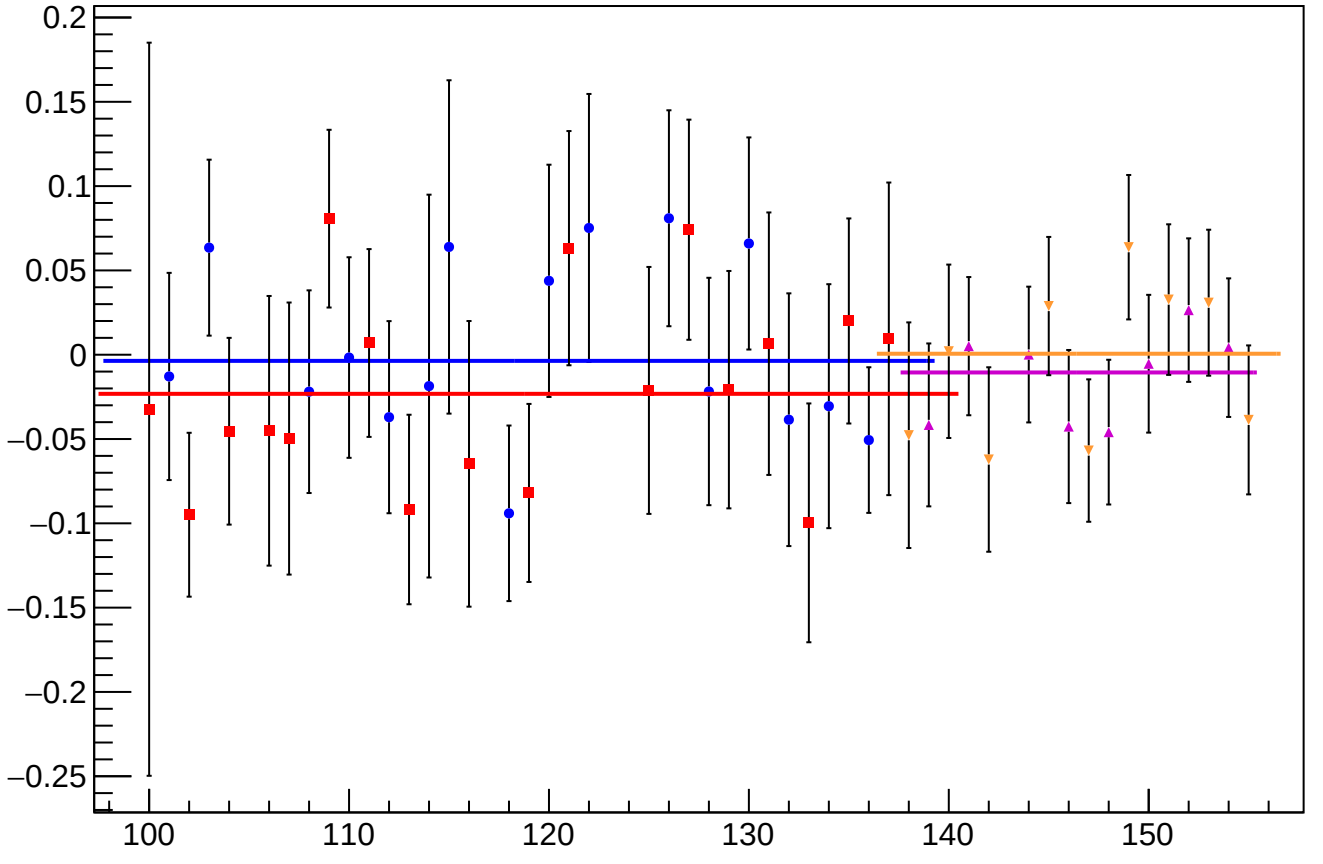
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.513+/-0.006 χ^2/NDF:157284.8/7

+ sign 23.087+/-0.005 χ^2/NDF: 656526.6/24

All: 23.099+/-0.003 χ^2/NDF: 957791.3/50

- sign 23.110+/-0.005 χ^2/NDF: 301251.5/25



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

Left Out: 0.001+/-0.015 χ^2/NDF:8.1/8

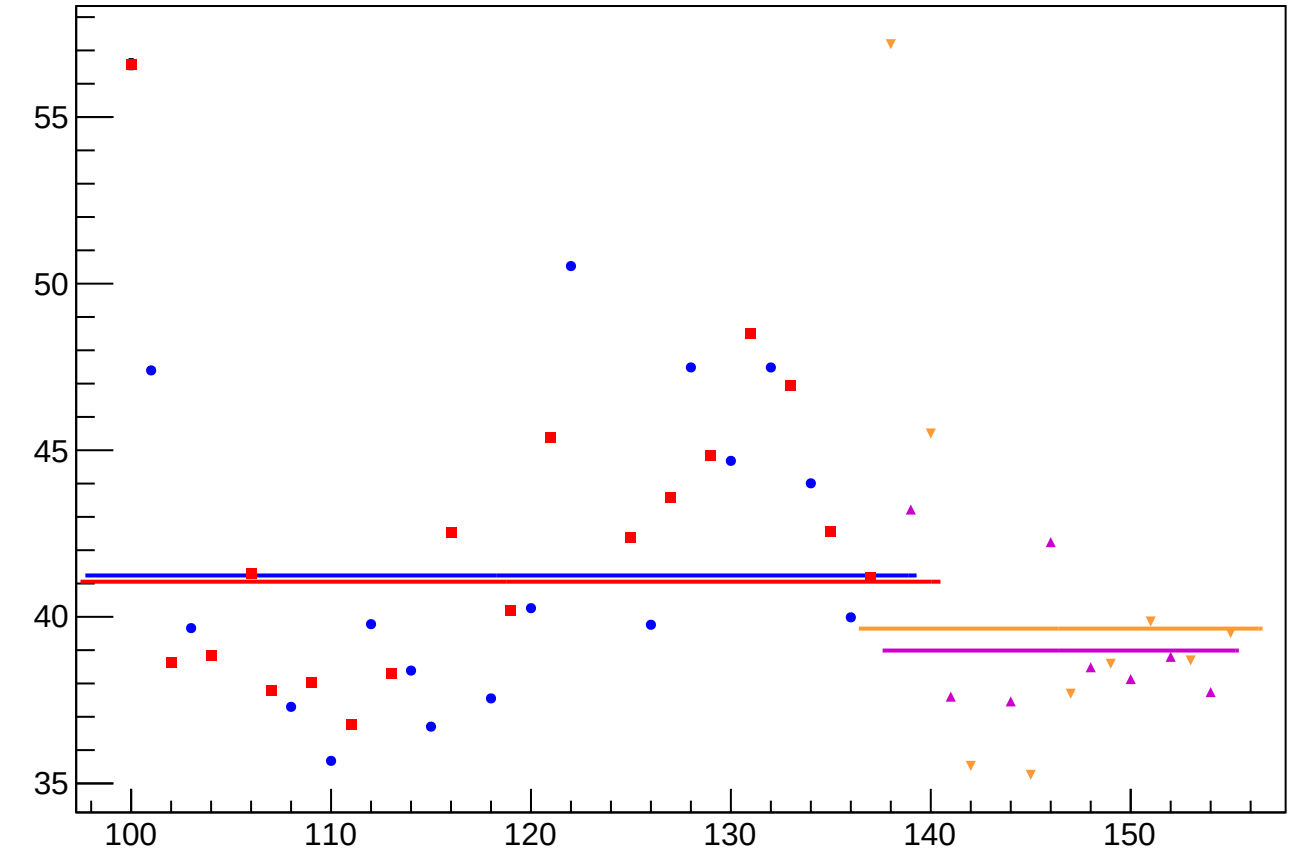
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.011+/-0.015 χ^2/NDF:2.7/7

+ sign -0.001+/-0.011 χ^2/NDF: 19.8/24

All: -0.009+/-0.008 χ^2/NDF: 39.2/50

- sign -0.017+/-0.011 χ^2/NDF: 18.4/25



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

Left Out: 39.647+/-0.011 χ^2/NDF:204164.9/8

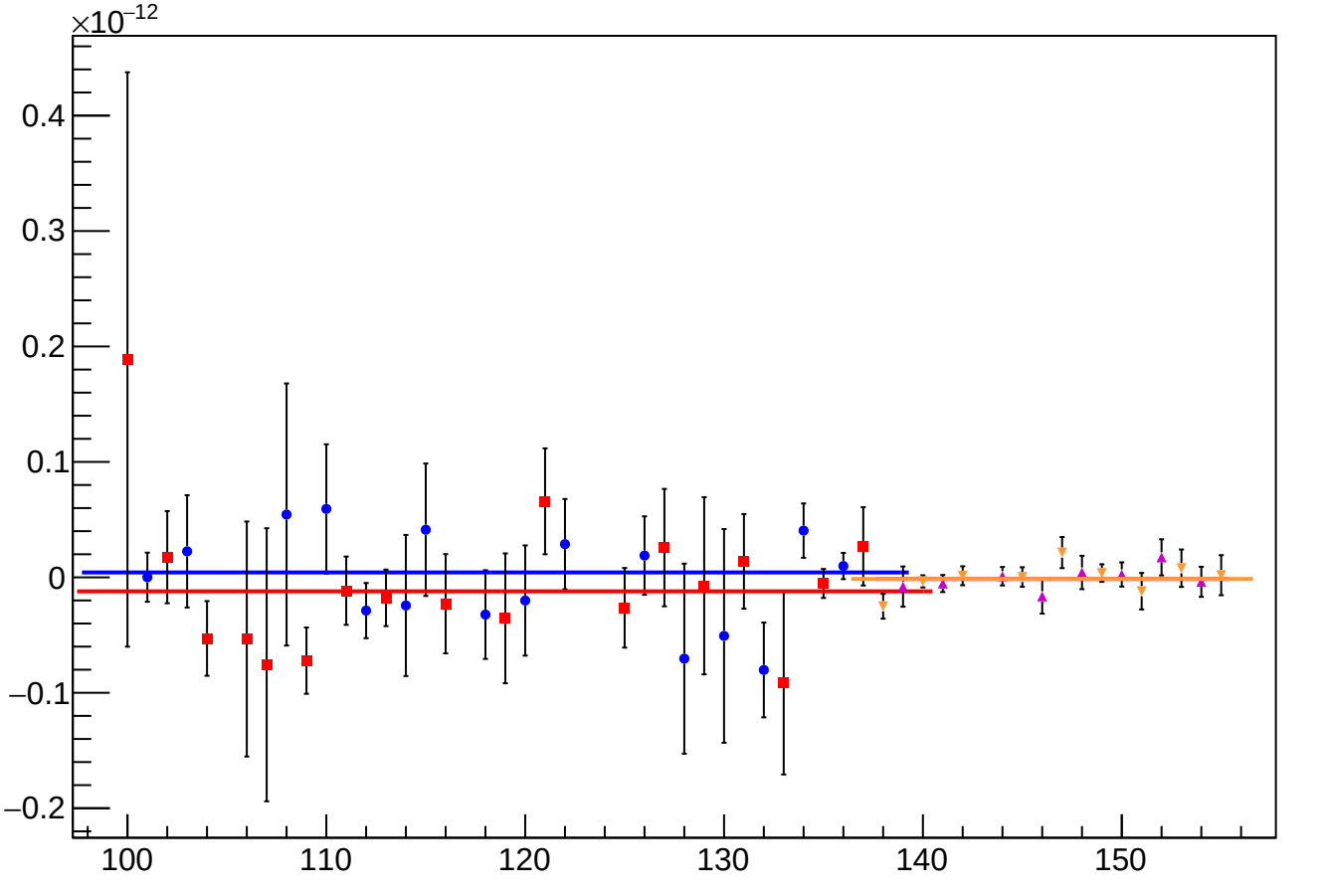
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 38.988+/-0.011 χ^2/NDF:33800.4/7

\+ sign 40.430+/-0.008 χ^2/NDF: 349871.3/24

All: 40.206+/-0.005 χ^2/NDF: 500118.9/50

\- sign 39.991+/-0.008 χ^2/NDF: 148629.9/25



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

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/8

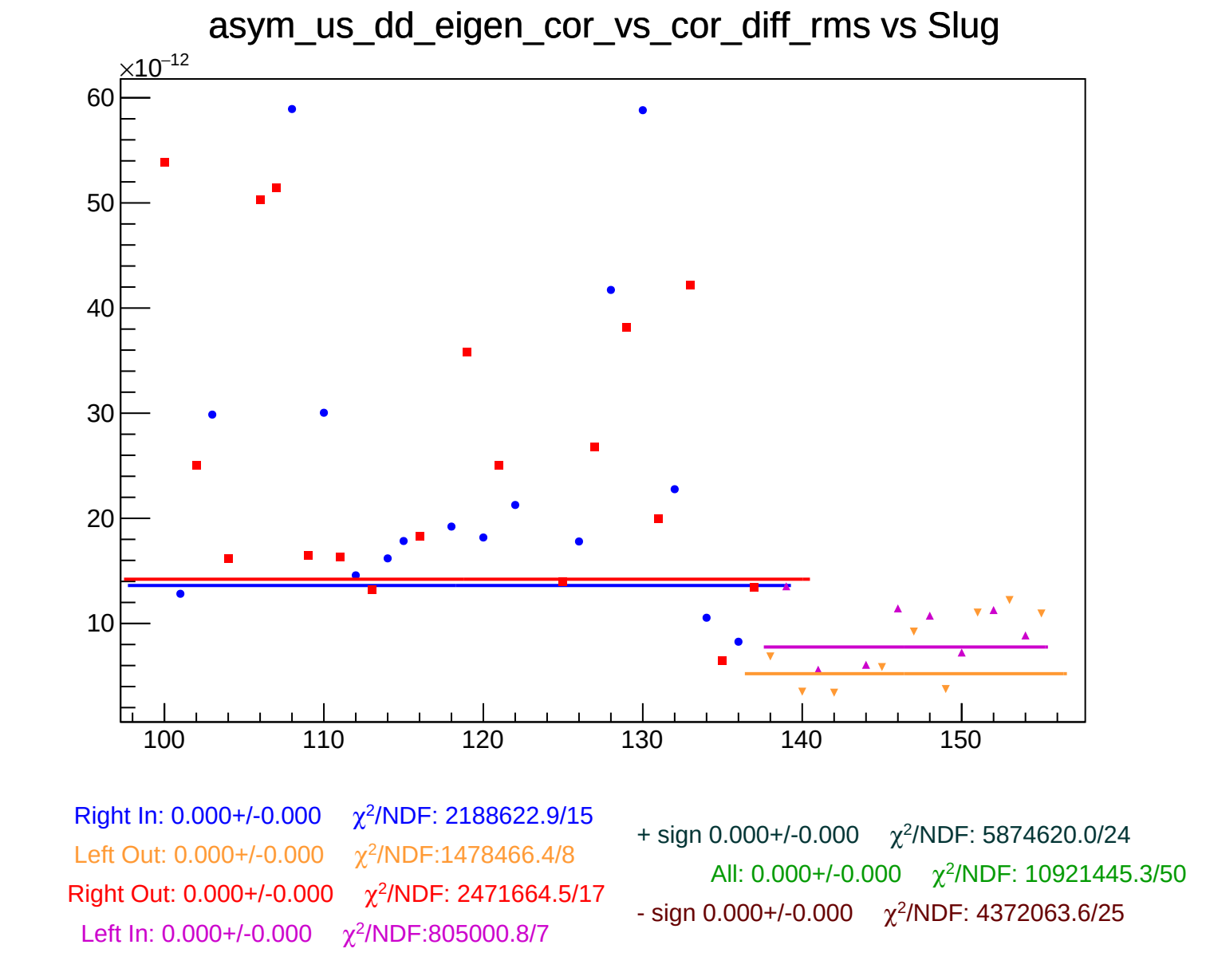
Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:3.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.5/24

All: -0.000+/-0.000 χ^2/NDF: 43.2/50

- sign -0.000+/-0.000 χ^2/NDF: 19.4/25


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
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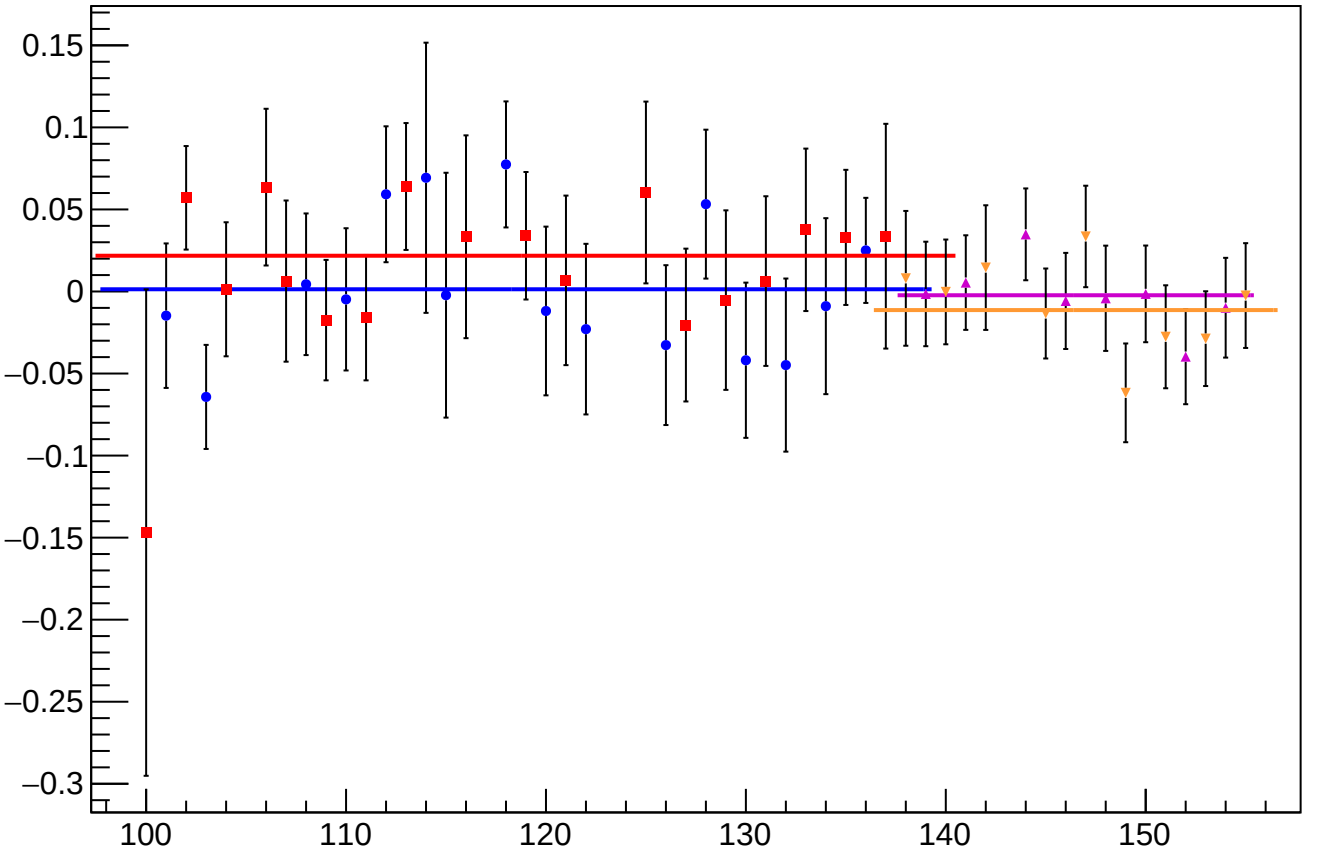
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1478466.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:805000.8/7
+ sign 0.000+/-0.000 χ²/NDF: 5874620.0/24
All: 0.000+/-0.000 χ²/NDF: 10921445.3/50
- sign 0.000+/-0.000 χ²/NDF: 4372063.6/25



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

Left Out: -0.011+/-0.011 χ^2/NDF:6.4/8

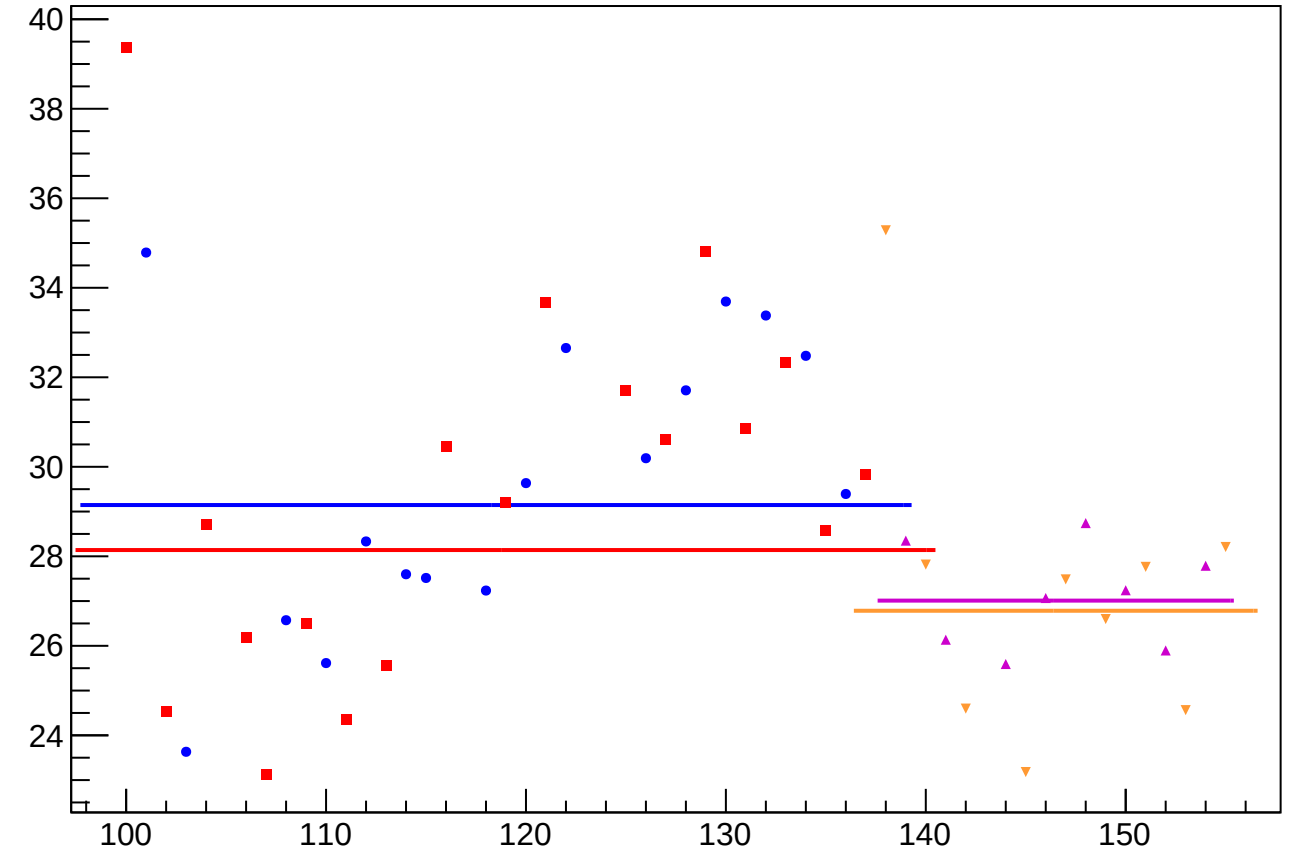
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.002+/-0.011 χ^2/NDF:3.6/7

+ sign -0.005+/-0.008 χ^2/NDF: 22.4/24

All: 0.002+/-0.005 χ^2/NDF: 39.4/50

- sign 0.009+/-0.008 χ^2/NDF: 15.2/25



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

Left Out: 26.783+/-0.007 χ^2/NDF:147828.1/8

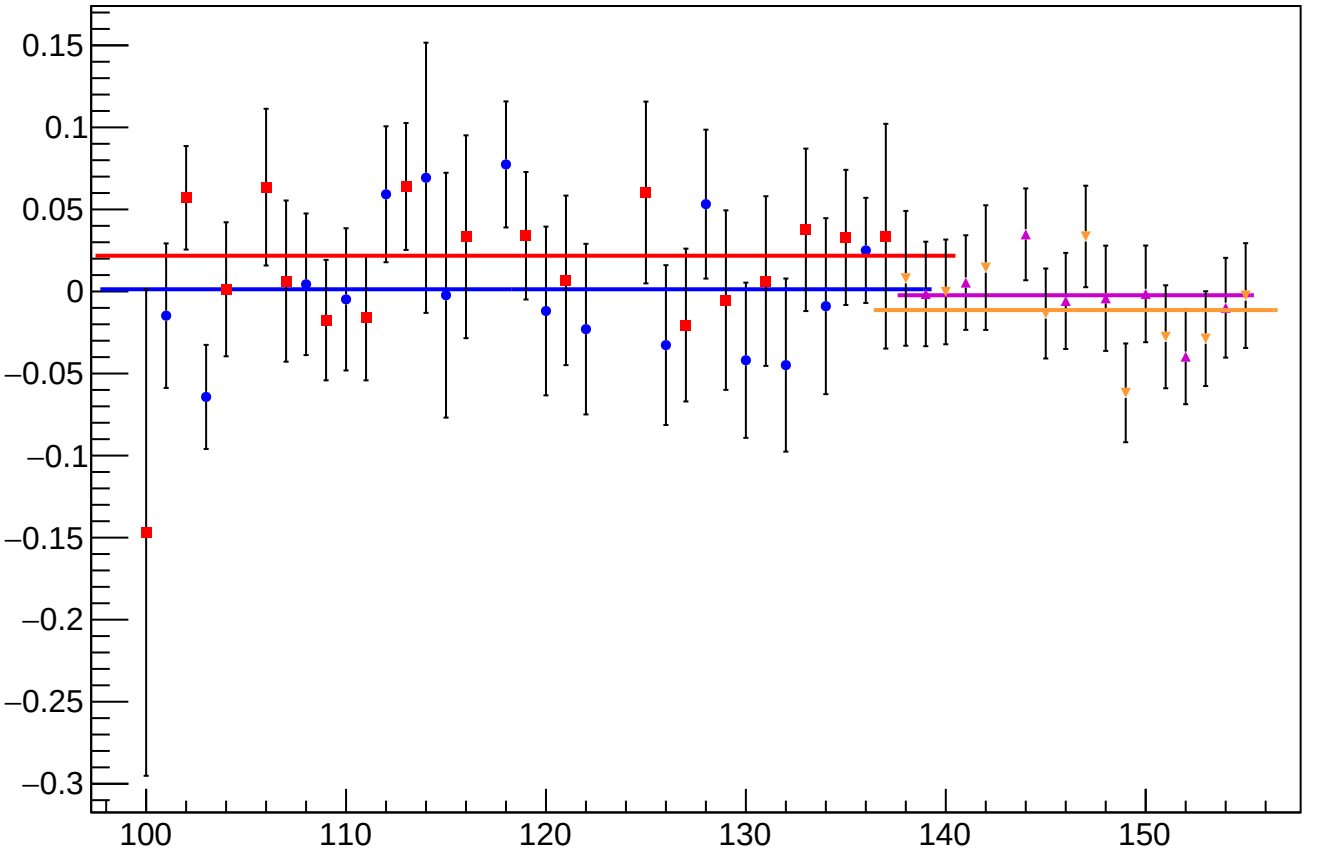
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.010+/-0.007 χ^2/NDF:20733.2/7

+ sign 27.895+/-0.005 χ^2/NDF: 371699.6/24

All: 27.725+/-0.004 χ^2/NDF: 592711.1/50

- sign 27.562+/-0.005 χ^2/NDF: 219088.9/25



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

Left Out: -0.011+/-0.011 χ^2/NDF:6.4/8

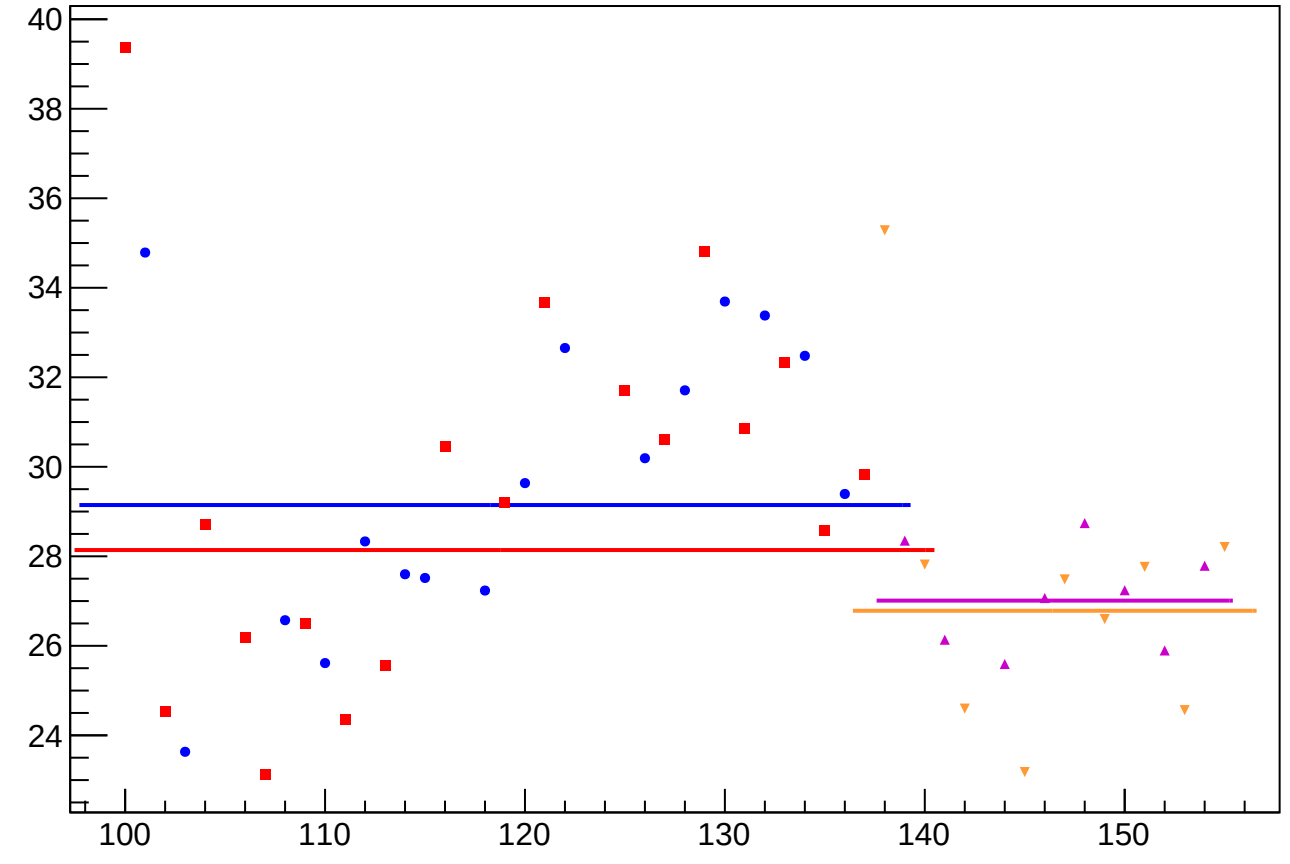
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.002+/-0.011 χ^2/NDF:3.6/7

+ sign -0.005+/-0.008 χ^2/NDF: 22.4/24

All: 0.002+/-0.005 χ^2/NDF: 39.4/50

- sign 0.009+/-0.008 χ^2/NDF: 15.2/25



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

Left Out: 26.783+/-0.007 χ^2/NDF:147828.1/8

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

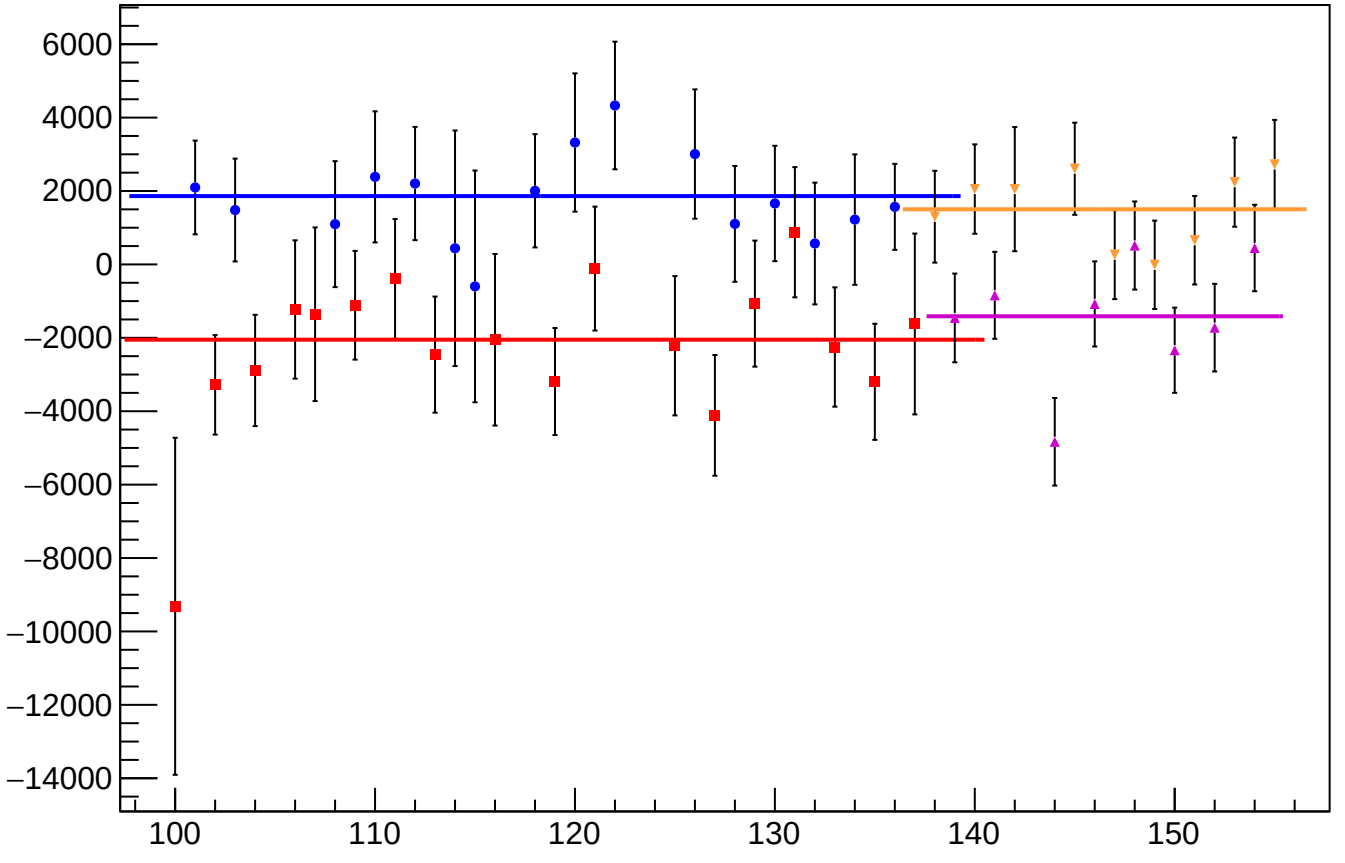
Left In: 27.010+/-0.007 χ^2/NDF:20733.2/7

+ sign 27.895+/-0.005 χ^2/NDF: 371699.6/24

All: 27.725+/-0.004 χ^2/NDF: 592711.1/50

- sign 27.562+/-0.005 χ^2/NDF: 219088.9/25

reg_asym_usl_mean vs Slug



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

Left Out: 1502.326+/-418.262 χ^2/NDF:5.6/8

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

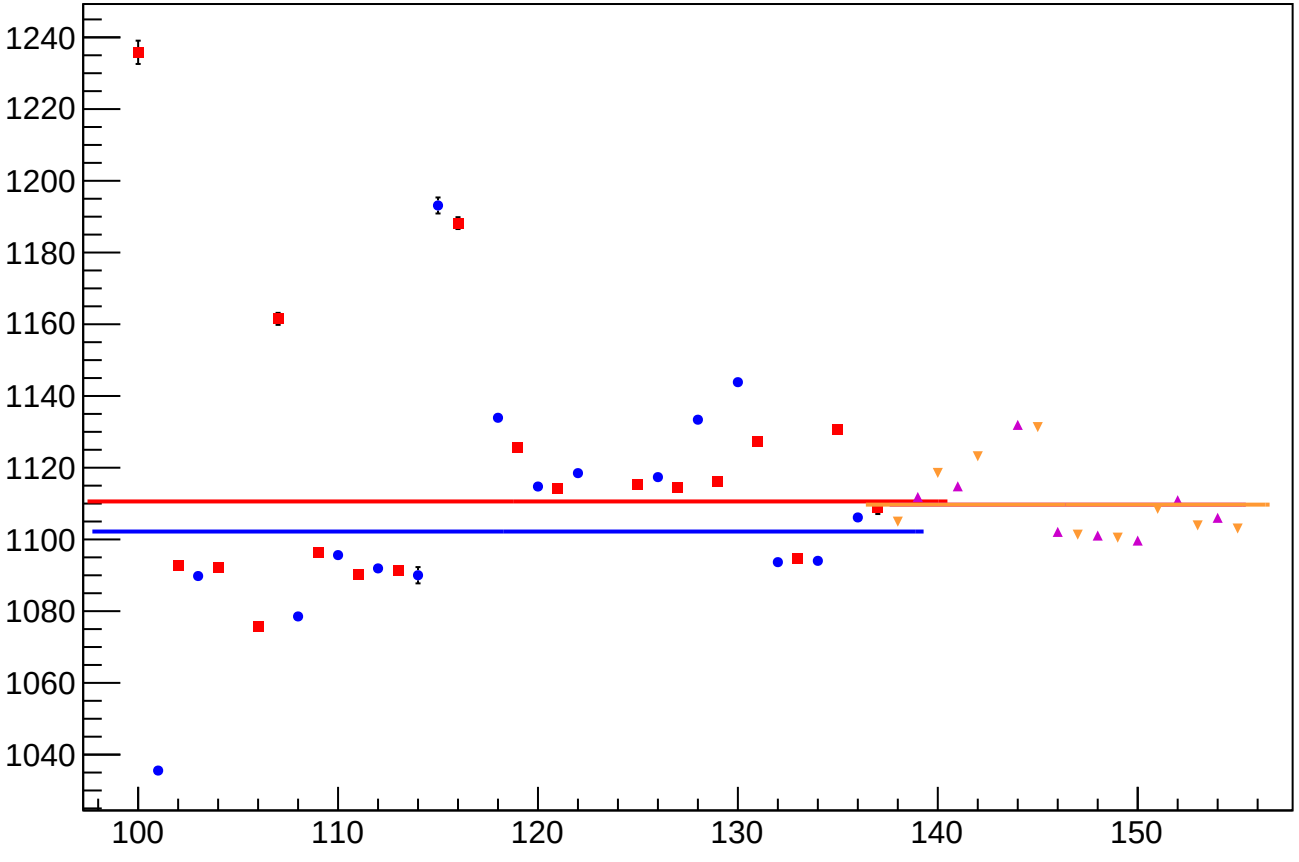
Left In: -1413.444+/-418.813 χ^2/NDF:14.3/7

+ sign 1685.717+/-292.618 χ^2/NDF: 11.3/24

All: -26.378+/-206.943 χ^2/NDF: 107.8/50

- sign -1739.504+/-292.706 χ^2/NDF: 28.0/25

reg_asym_usl_rms vs Slug



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

Left Out: 1109.705+/-0.296 χ^2/NDF:1174.9/8

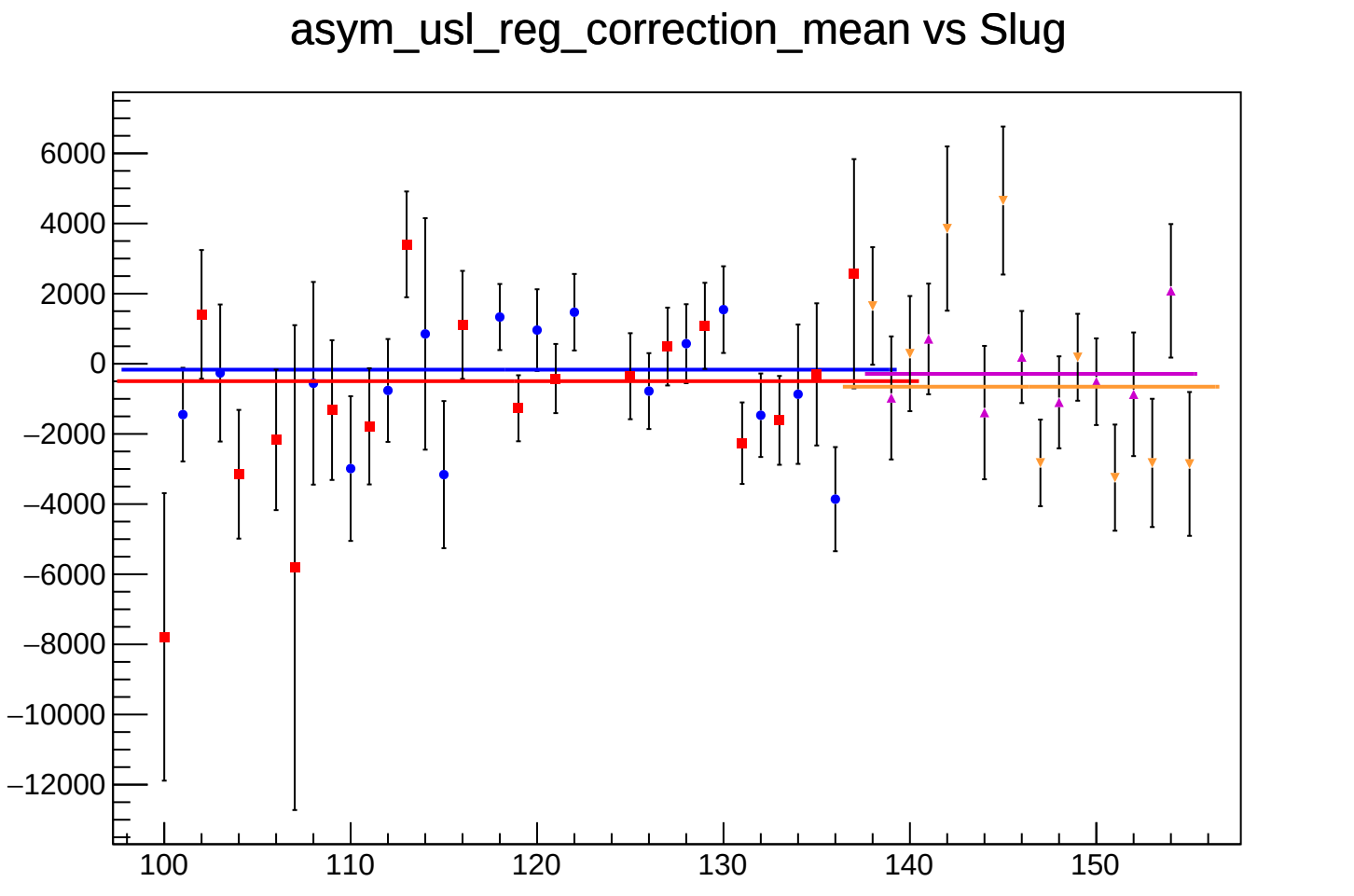
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1109.687+/-0.296 χ^2/NDF:1098.2/7

+ sign 1105.876+/-0.207 χ^2/NDF: 12852.2/24

All: 1108.012+/-0.146 χ^2/NDF: 21864.5/50

- sign 1110.150+/-0.207 χ^2/NDF: 8799.0/25



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

Left Out: -653.958+/-541.139 χ^2/NDF:21.3/8

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

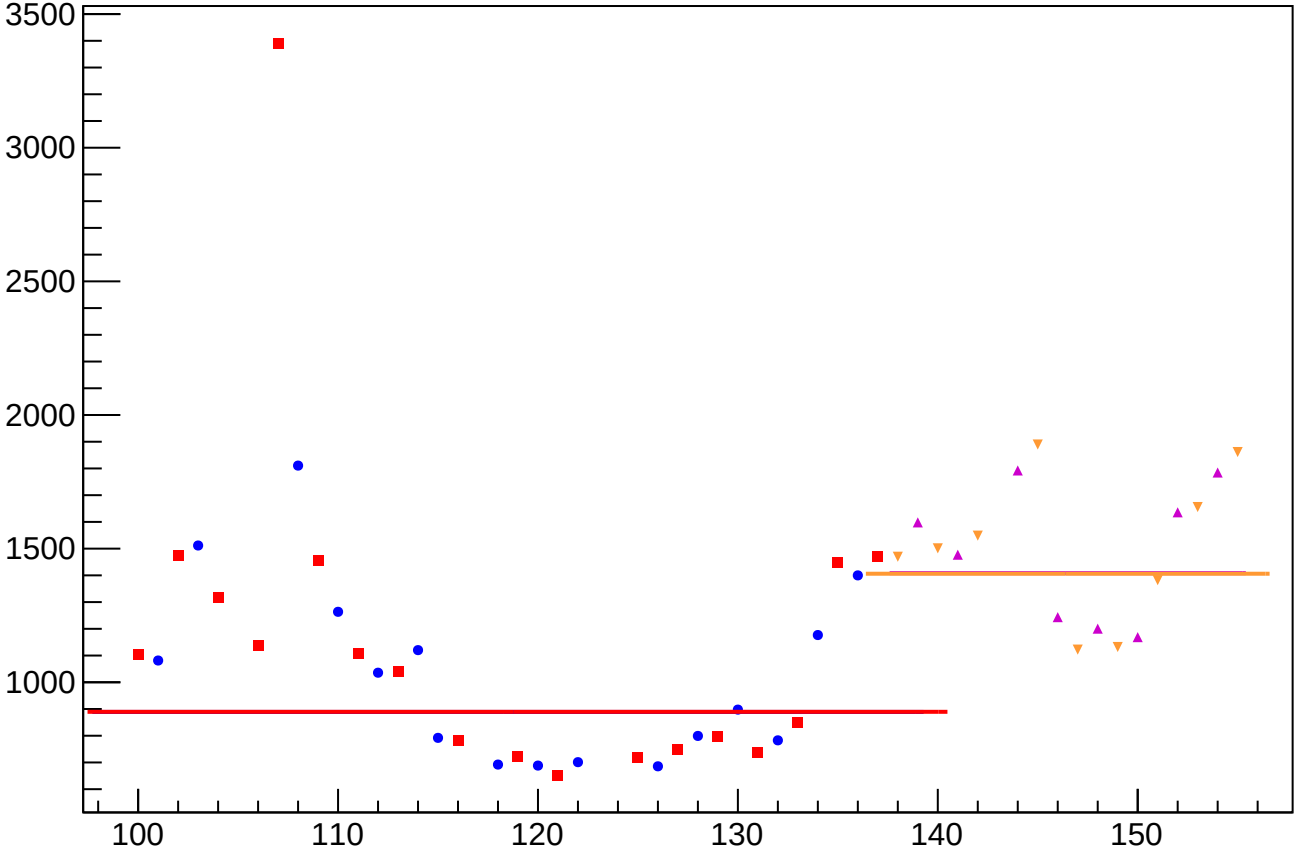
Left In: -287.983+/-540.883 χ^2/NDF:3.1/7

+ sign -308.618+/-291.172 χ^2/NDF: 42.9/24

All: -371.989+/-205.793 χ^2/NDF: 69.5/50

- sign -435.242+/-290.900 χ^2/NDF: 26.5/25

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1406.107+/-0.383 χ^2/NDF:461900.6/8

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

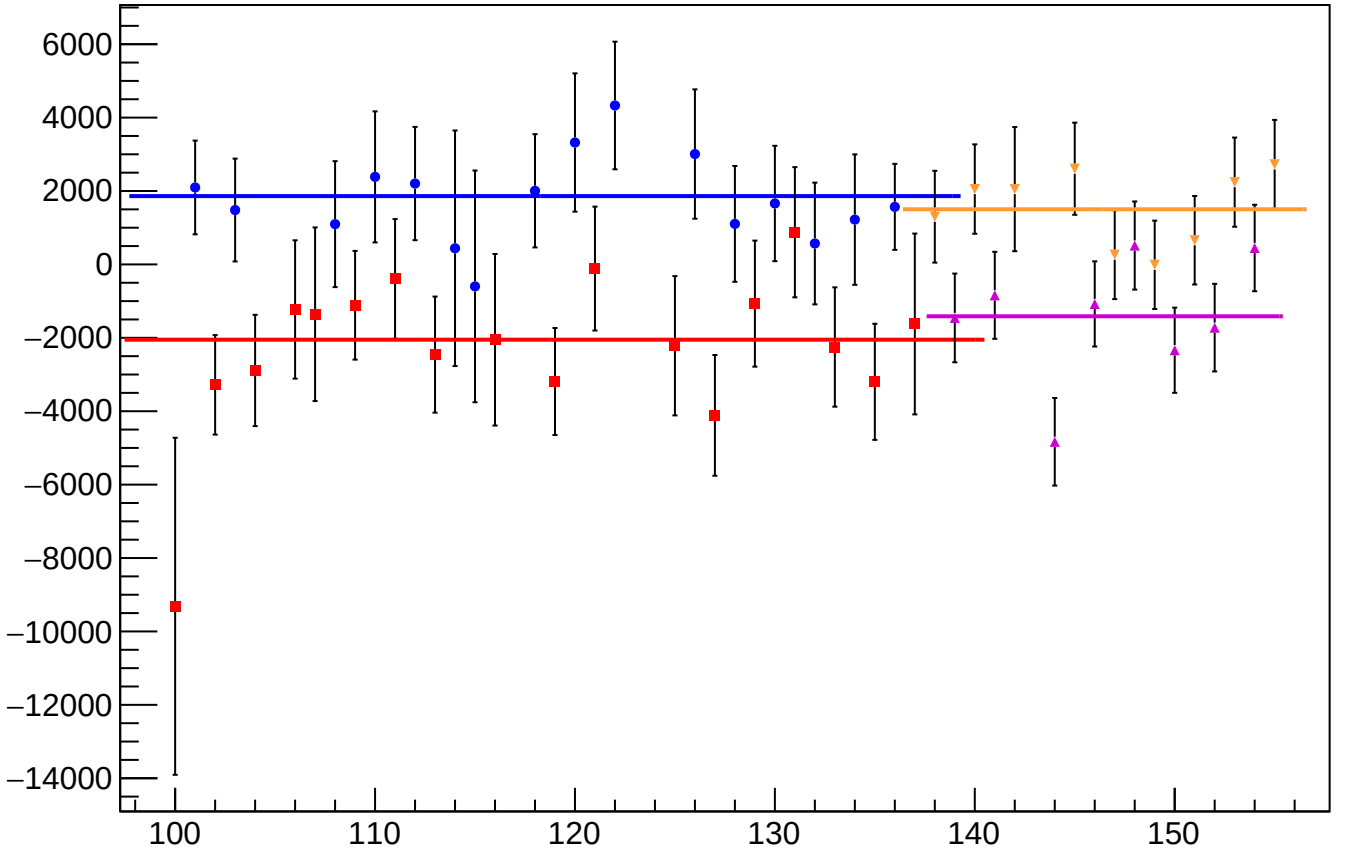
Left In: 1408.256+/-0.382 χ^2/NDF:377161.0/7

+ sign 1038.683+/-0.206 χ^2/NDF: 2892437.8/24

All: 1039.110+/-0.146 χ^2/NDF: 5923036.1/50

- sign 1039.538+/-0.206 χ^2/NDF: 3030589.6/25

cor_asym_usl_mean vs Slug



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

Left Out: 1502.326+/-418.262 χ^2/NDF:5.6/8

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

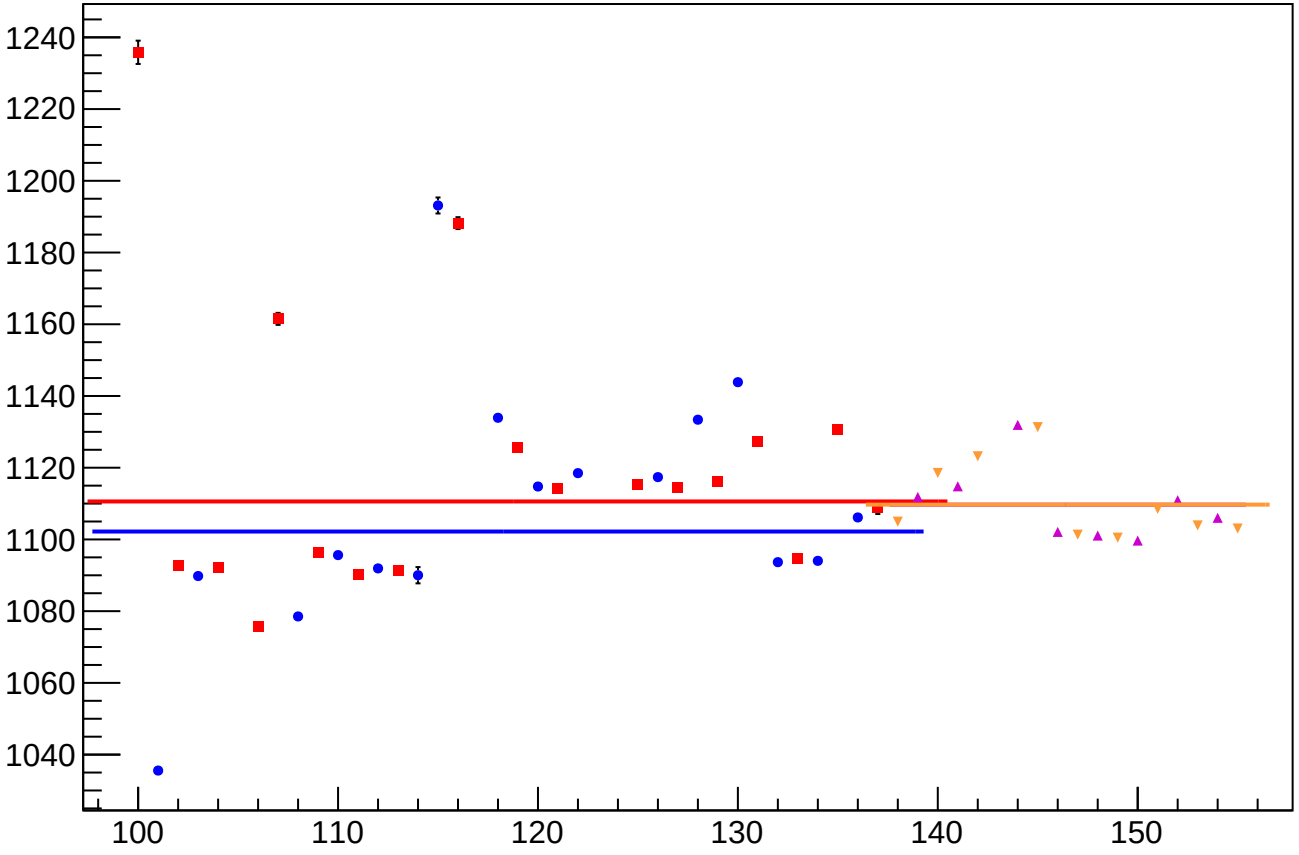
Left In: -1413.444+/-418.813 χ^2/NDF:14.3/7

+ sign 1685.717+/-292.618 χ^2/NDF: 11.3/24

All: -26.378+/-206.943 χ^2/NDF: 107.8/50

- sign -1739.504+/-292.706 χ^2/NDF: 28.0/25

cor_asym_usl_rms vs Slug



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

Left Out: 1109.705+/-0.296 χ^2/NDF:1174.9/8

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

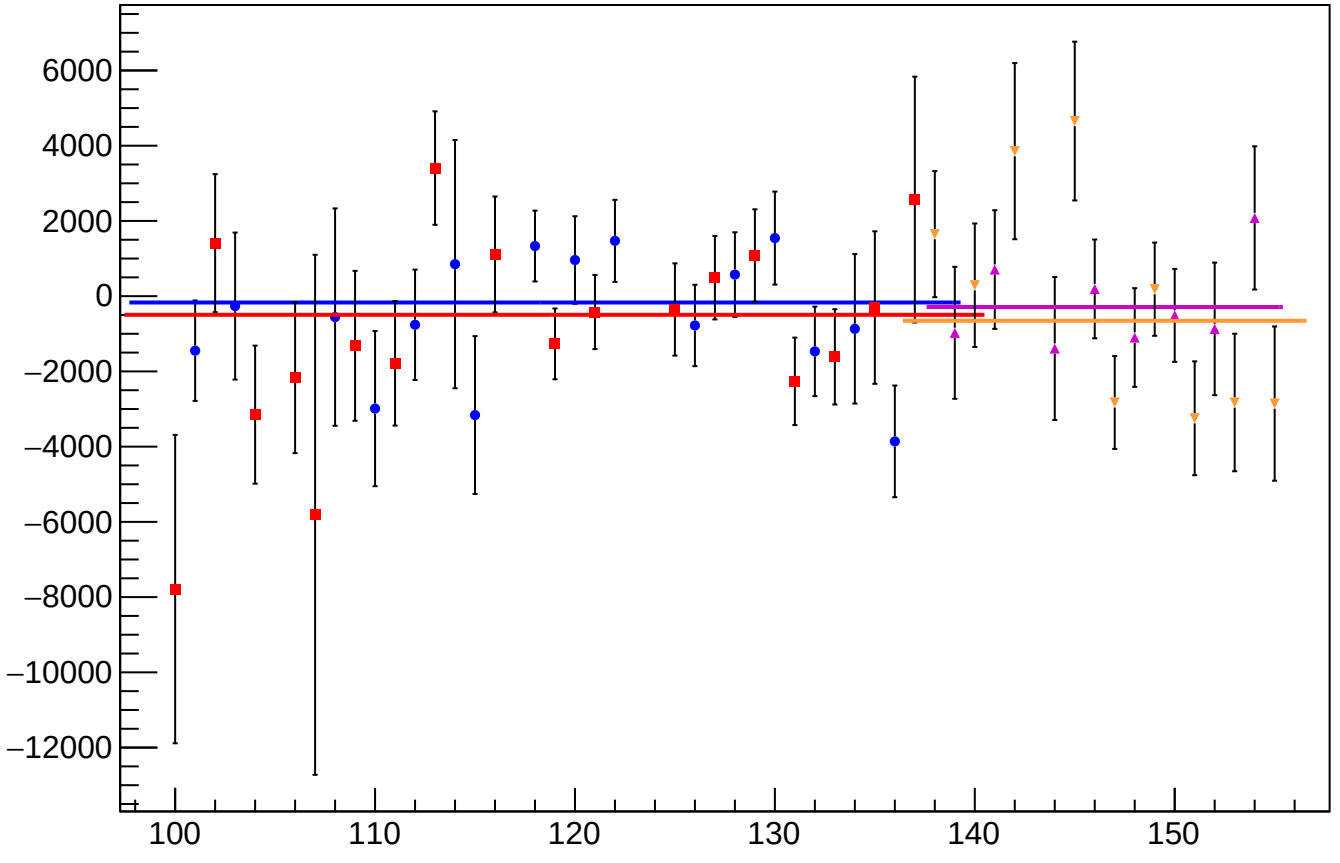
Left In: 1109.687+/-0.296 χ^2/NDF:1098.2/7

+ sign 1105.876+/-0.207 χ^2/NDF: 12852.2/24

All: 1108.012+/-0.146 χ^2/NDF: 21864.5/50

- sign 1110.150+/-0.207 χ^2/NDF: 8799.0/25

asym_usl_cor_correction_mean vs Slug



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

Left Out: -653.958+/-541.139 χ^2/NDF:21.3/8

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

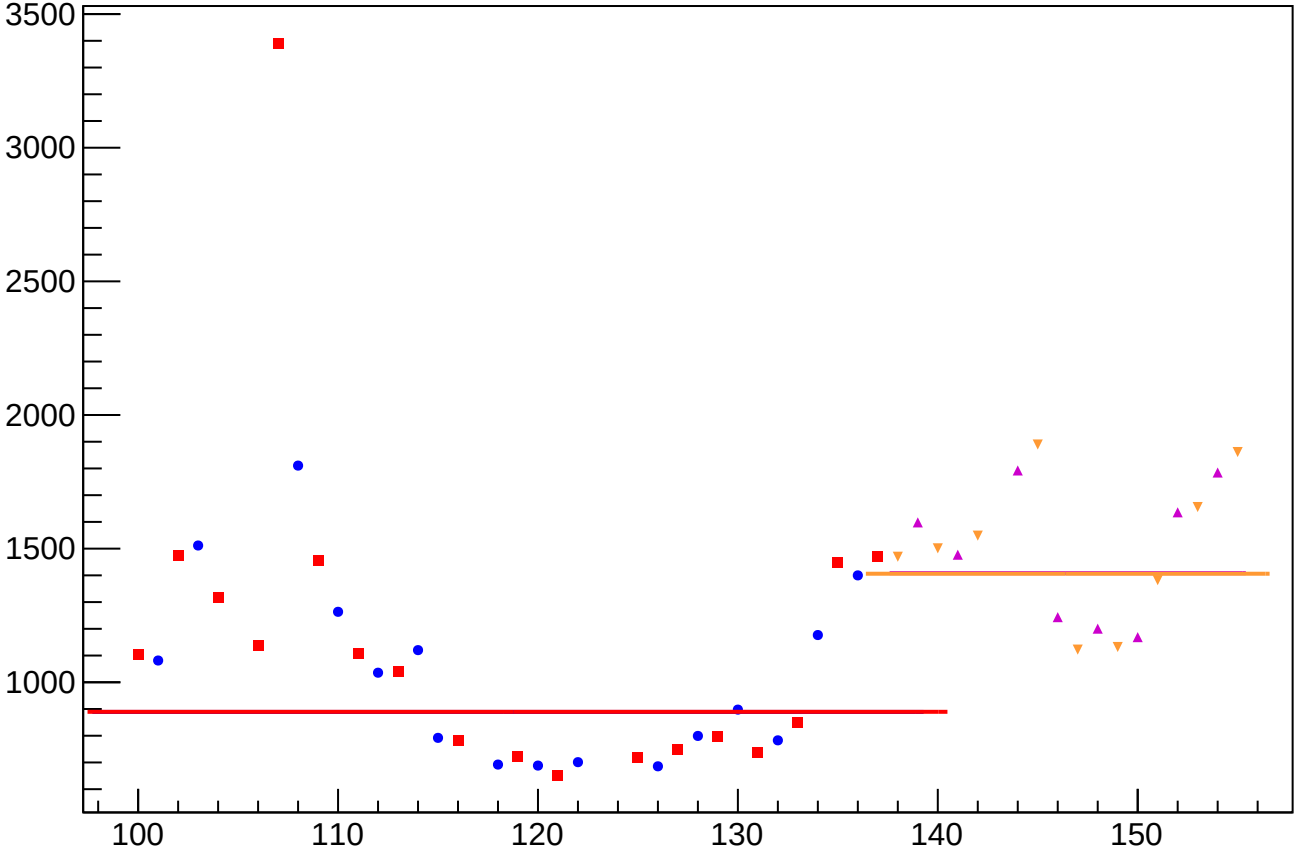
Left In: -287.983+/-540.883 χ^2/NDF:3.1/7

+ sign -308.618+/-291.172 χ^2/NDF: 42.9/24

All: -371.989+/-205.793 χ^2/NDF: 69.5/50

- sign -435.242+/-290.900 χ^2/NDF: 26.5/25

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1406.107+/-0.383 χ^2/NDF:461900.6/8

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

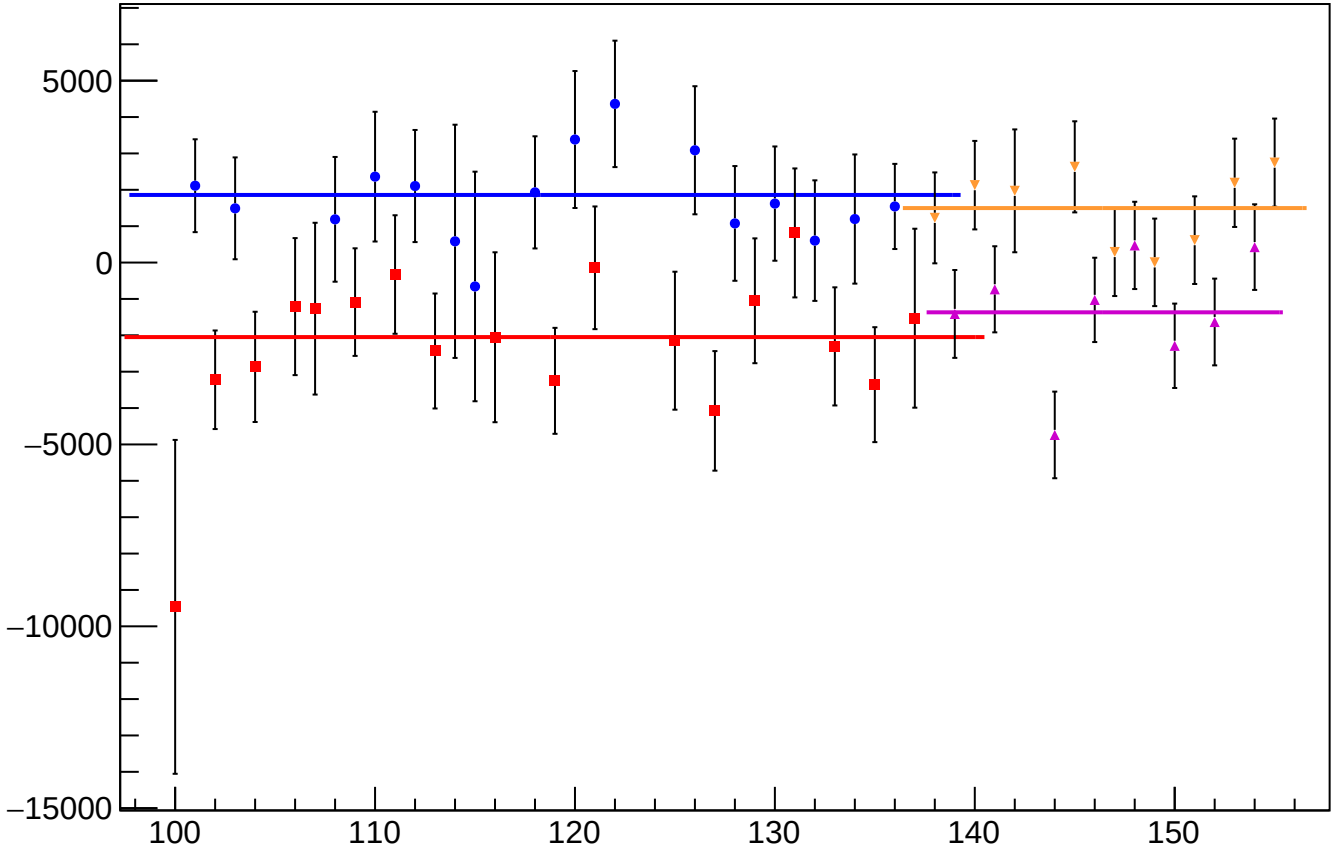
Left In: 1408.256+/-0.382 χ^2/NDF:377161.0/7

+ sign 1038.683+/-0.206 χ^2/NDF: 2892437.8/24

All: 1039.110+/-0.146 χ^2/NDF: 5923036.1/50

- sign 1039.538+/-0.206 χ^2/NDF: 3030589.6/25

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1497.736+/-417.811 χ^2/NDF:5.7/8

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

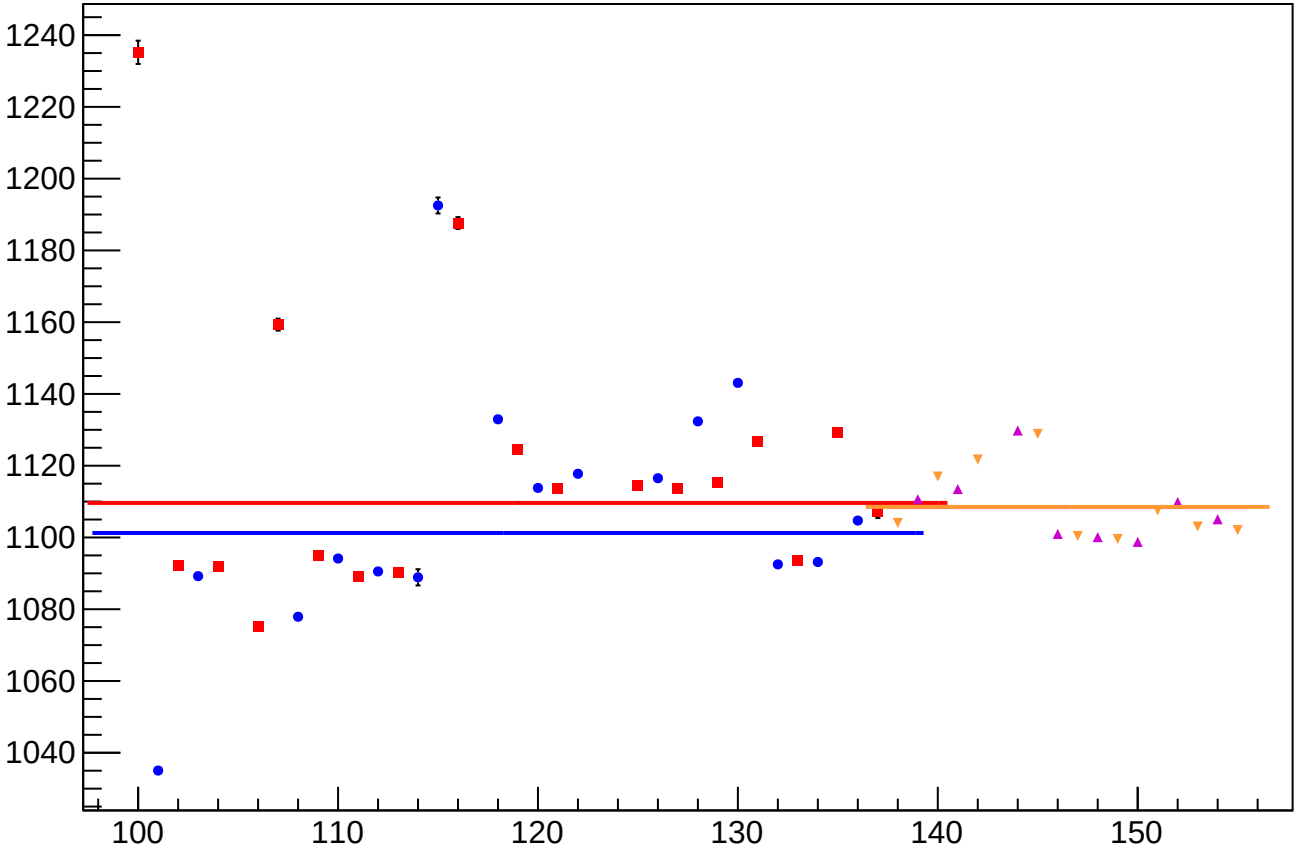
Left In: -1368.068+/-418.358 χ^2/NDF:13.7/7

+ sign 1681.980+/-292.334 χ^2/NDF: 11.5/24

All: -16.589+/-206.742 χ^2/NDF: 106.9/50

- sign -1716.157+/-292.420 χ^2/NDF: 27.8/25

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1108.513+/-0.295 χ^2/NDF:1071.5/8

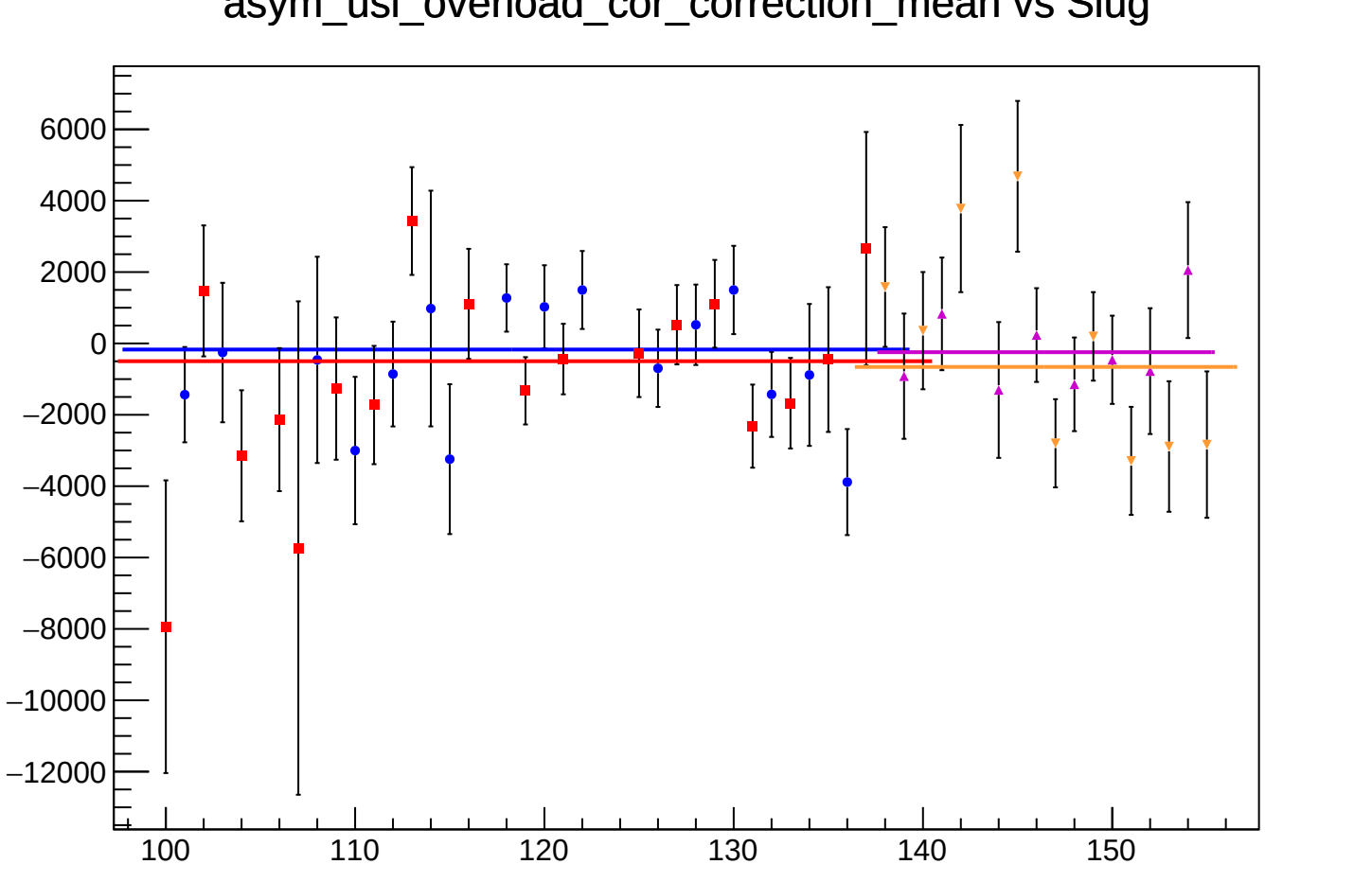
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1108.484+/-0.296 χ^2/NDF:1025.1/7

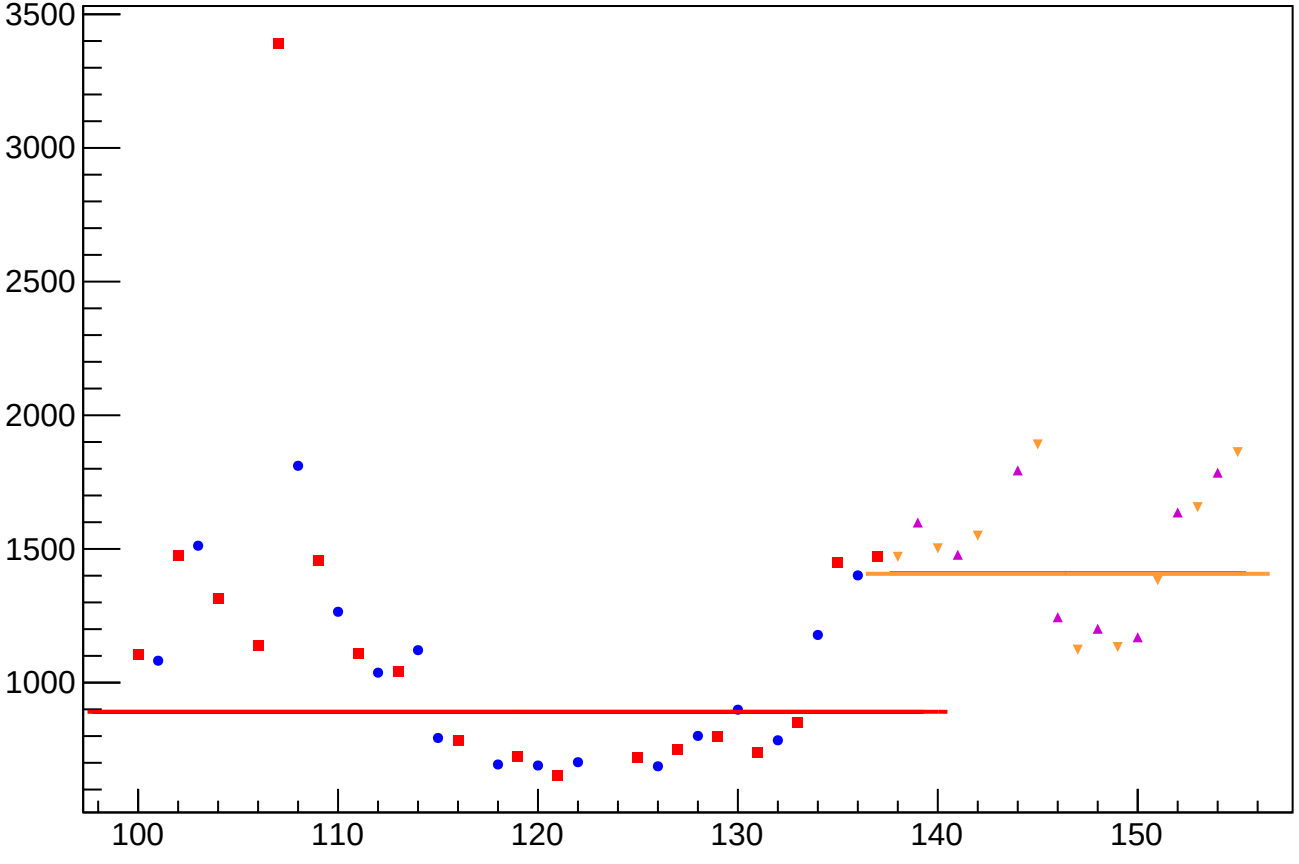
+ sign 1104.808+/-0.207 χ^2/NDF: 12687.9/24

All: 1106.938+/-0.146 χ^2/NDF: 21606.1/50

- sign 1109.069+/-0.207 χ^2/NDF: 8705.8/25


asym_usl_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -658.075+/-541.491 χ²/NDF:21.3/8
Right Out: -497.957+/-345.565 χ²/NDF: 23.9/17
Left In: -245.296+/-541.238 χ²/NDF:3.1/7
+ sign -312.151+/-291.550 χ²/NDF: 42.8/24
All: -368.525+/-206.055 χ²/NDF: 70.0/50
- sign -424.788+/-291.262 χ²/NDF: 27.2/25

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1407.063+/-0.383 χ^2/NDF:461317.4/8

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

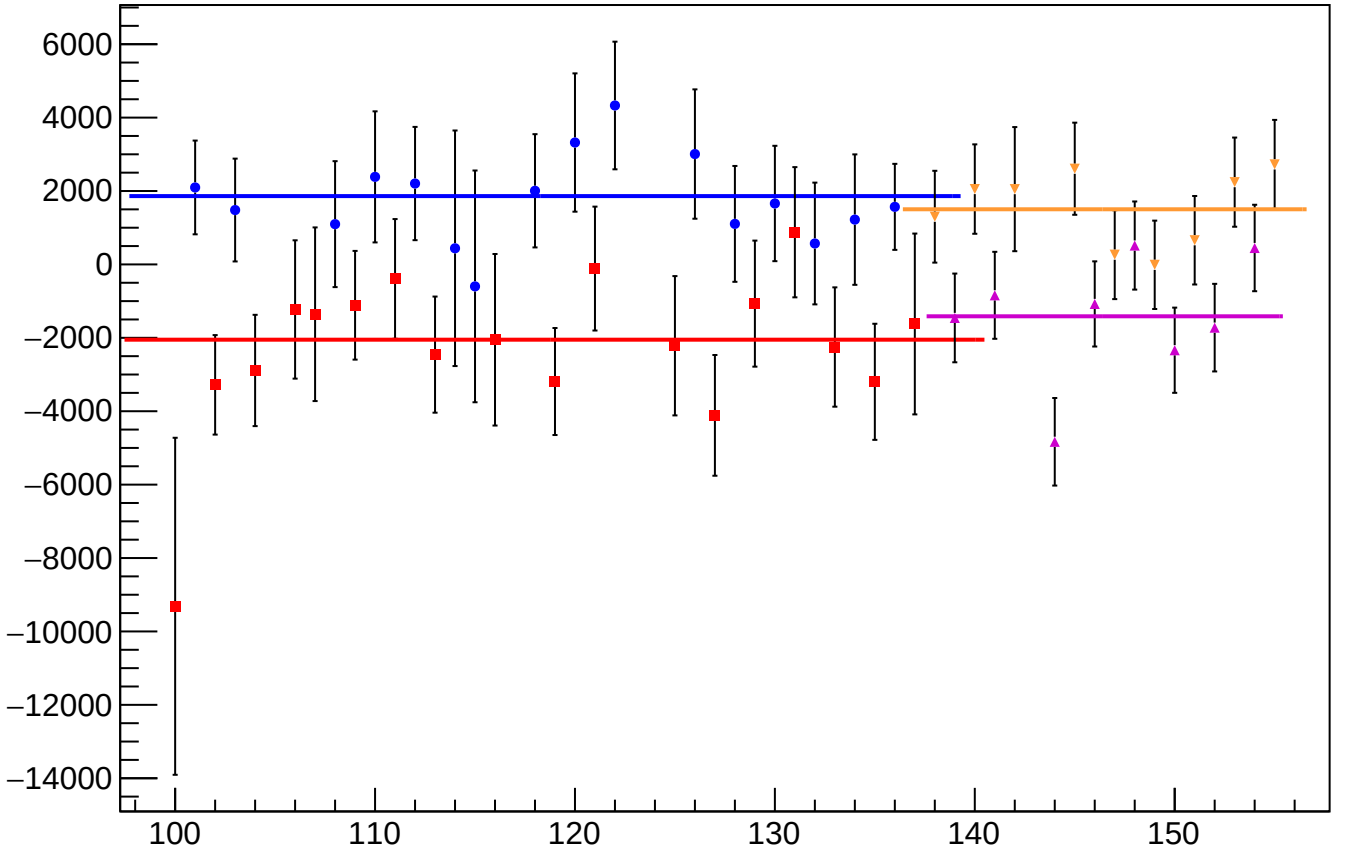
Left In: 1409.211+/-0.383 χ^2/NDF:376699.9/7

+ sign 1040.246+/-0.206 χ^2/NDF: 2882537.9/24

All: 1040.637+/-0.146 χ^2/NDF: 5903847.3/50

- sign 1041.027+/-0.206 χ^2/NDF: 3021302.2/25

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1502.326+/-418.262 χ^2/NDF:5.6/8

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

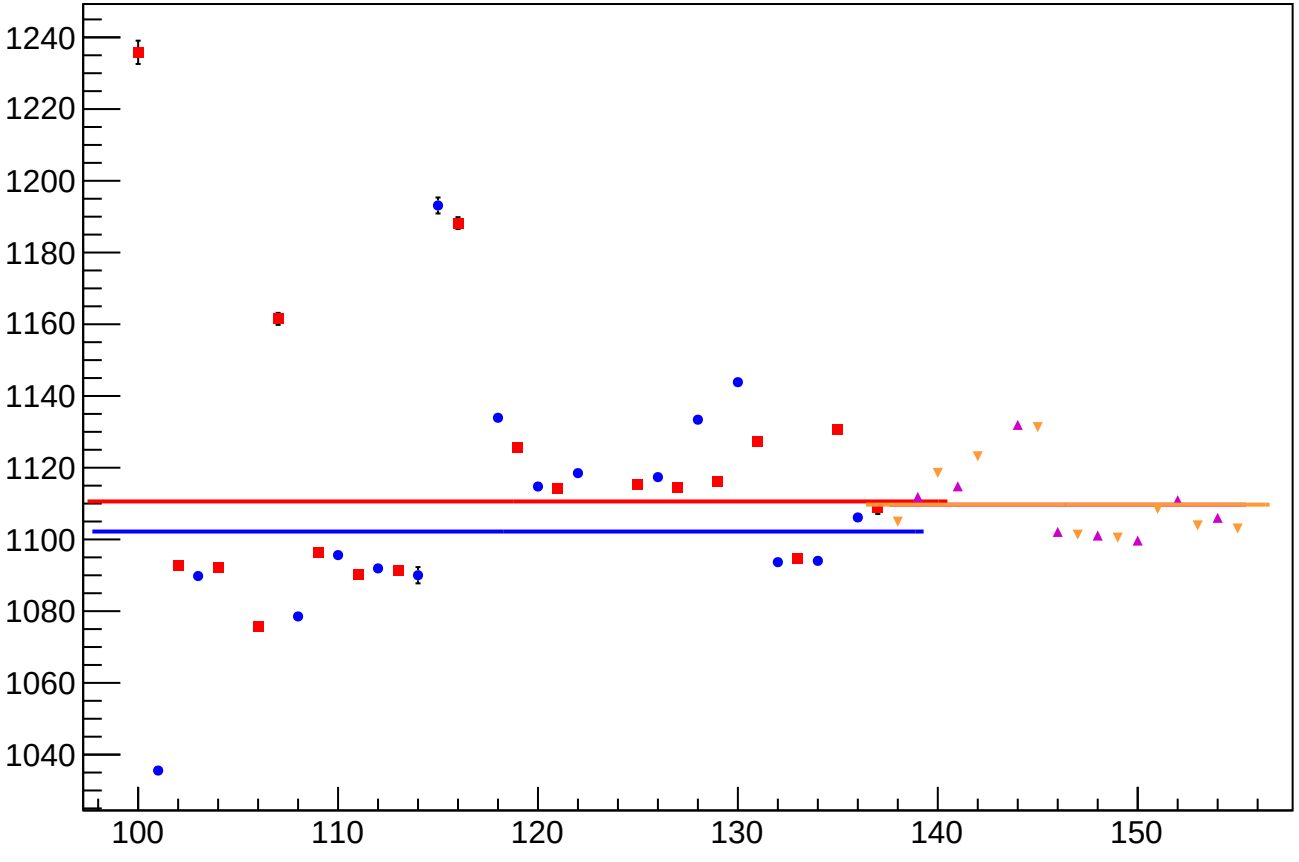
Left In: -1413.444+/-418.813 χ^2/NDF:14.3/7

+ sign 1685.717+/-292.618 χ^2/NDF: 11.3/24

All: -26.378+/-206.943 χ^2/NDF: 107.8/50

- sign -1739.504+/-292.706 χ^2/NDF: 28.0/25

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1109.705+/-0.296 χ^2/NDF:1174.9/8

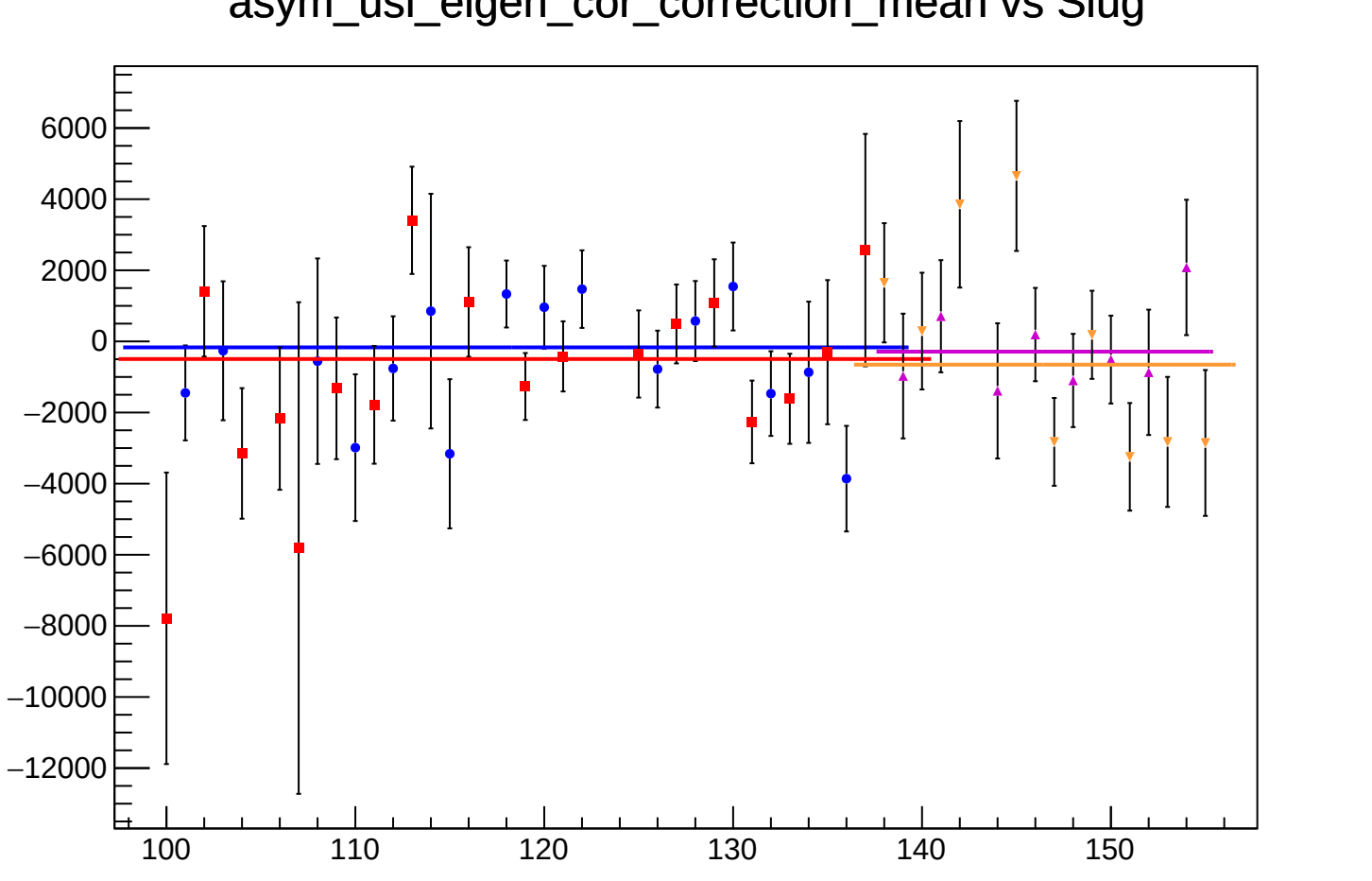
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1109.687+/-0.296 χ^2/NDF:1098.2/7

+ sign 1105.876+/-0.207 χ^2/NDF: 12852.2/24

All: 1108.012+/-0.146 χ^2/NDF: 21864.5/50

- sign 1110.150+/-0.207 χ^2/NDF: 8799.0/25



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

Left Out: -653.958+/-541.139 χ^2/NDF:21.3/8

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

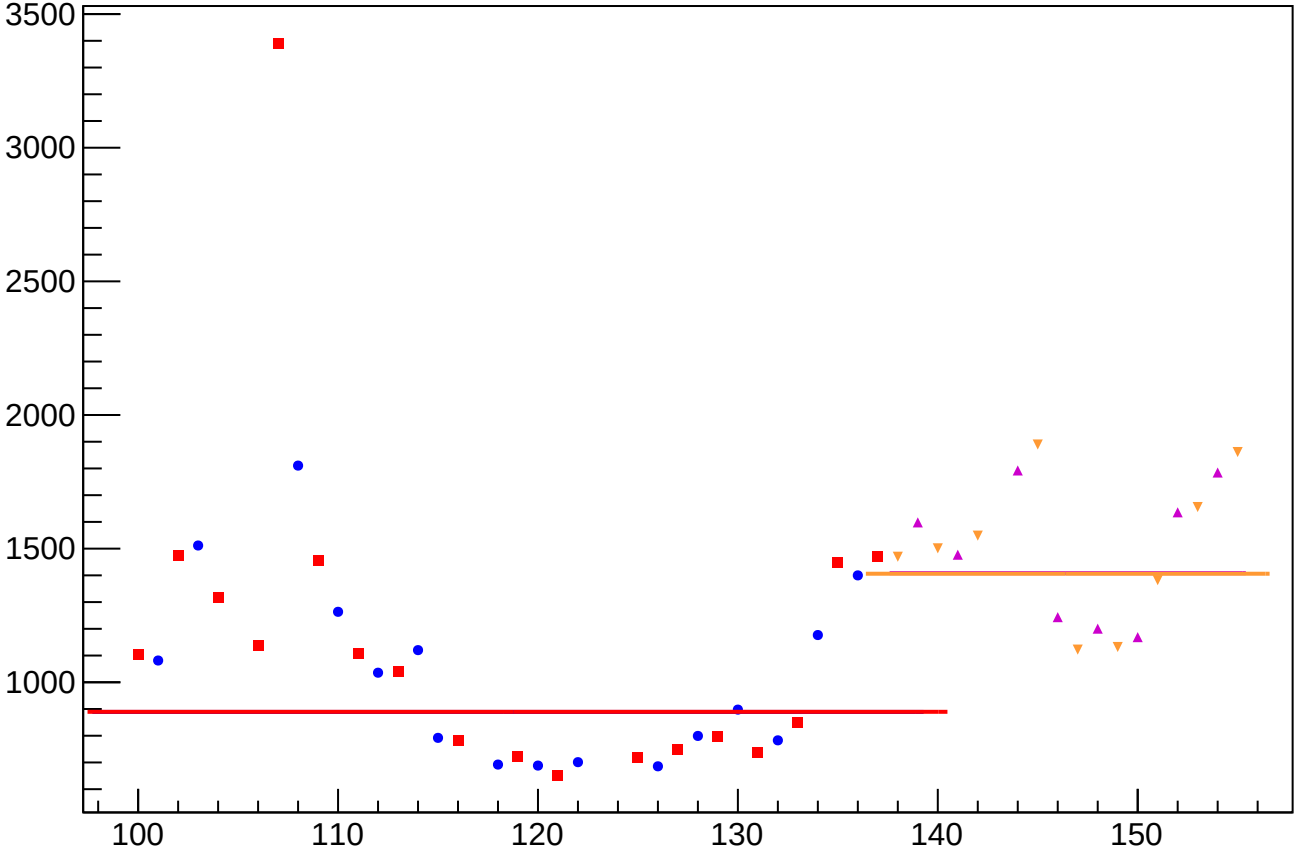
Left In: -287.983+/-540.883 χ^2/NDF:3.1/7

+ sign -308.618+/-291.172 χ^2/NDF: 42.9/24

All: -371.989+/-205.793 χ^2/NDF: 69.5/50

- sign -435.242+/-290.900 χ^2/NDF: 26.5/25

asym_usl_eigen_cor_correction_rms vs Slug



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Left Out: 1406.107+/-0.383 χ^2/NDF:461900.6/8

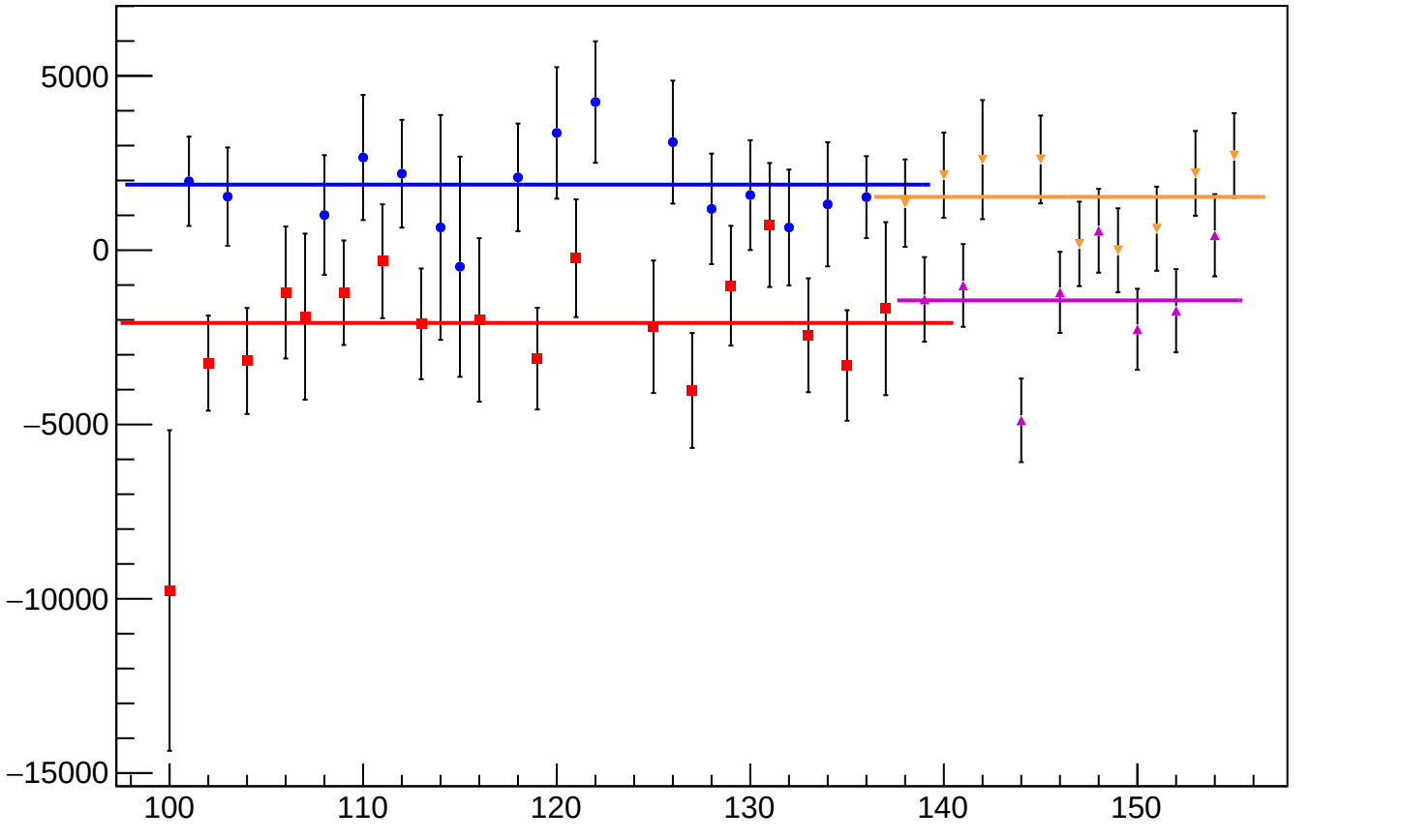
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1408.256+/-0.382 χ^2/NDF:377161.0/7

+ sign 1038.683+/-0.206 χ^2/NDF: 2892437.8/24

All: 1039.110+/-0.146 χ^2/NDF: 5923036.1/50

- sign 1039.538+/-0.206 χ^2/NDF: 3030589.6/25



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

Left Out: 1530.452+/-419.229 χ^2/NDF:6.1/8

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

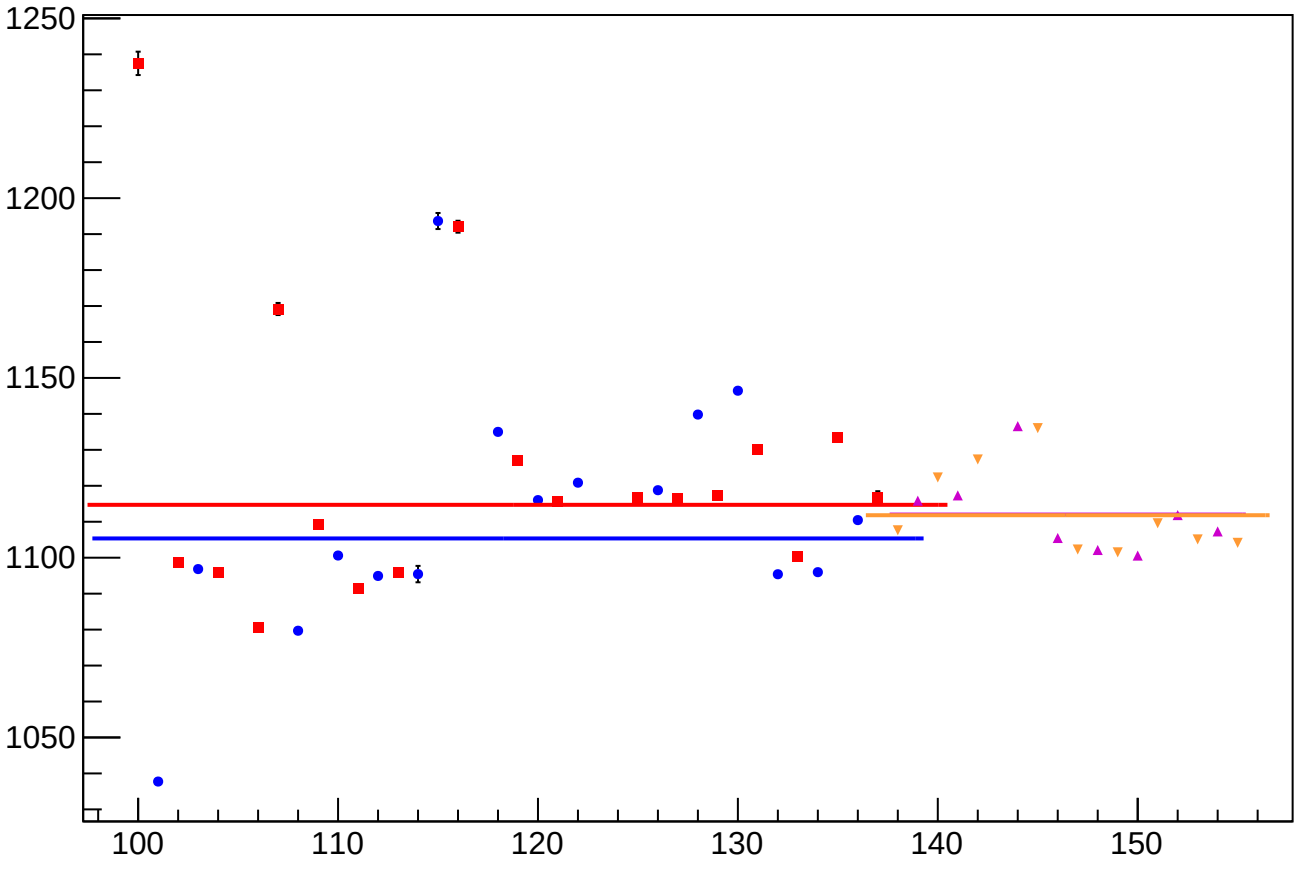
Left In: -1440.241+/-419.702 χ^2/NDF:14.3/7

+ sign 1709.595+/-293.378 χ^2/NDF: 11.6/24

All: -29.311+/-207.518 χ^2/NDF: 109.8/50

- sign -1770.506+/-293.571 χ^2/NDF: 27.9/25

dit_asym_usl_rms vs Slug



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

Left Out: 1111.815+/-0.296 χ^2/NDF:1492.8/8

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

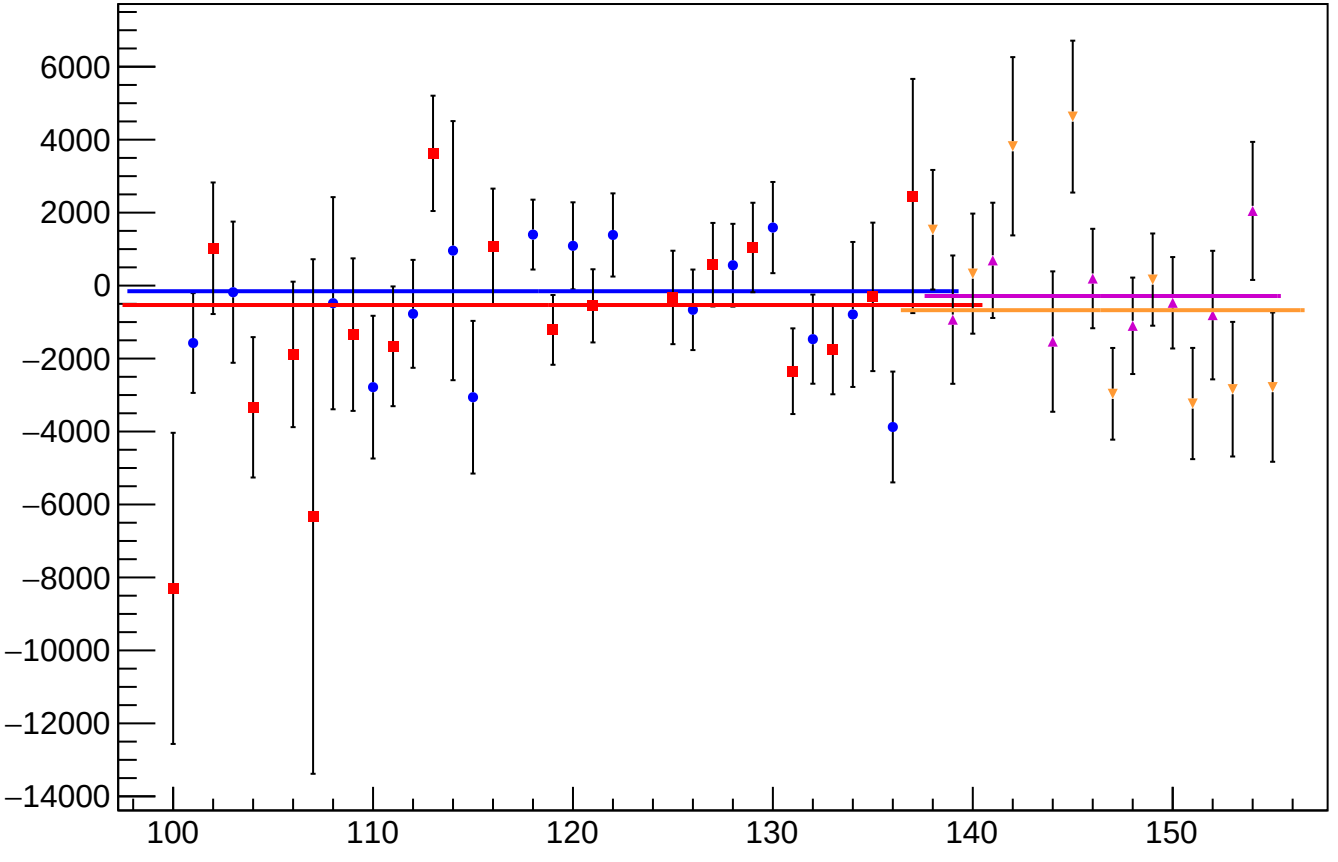
Left In: 1111.997+/-0.297 χ^2/NDF:1325.0/7

+ sign 1108.519+/-0.207 χ^2/NDF: 13066.0/24

All: 1110.948+/-0.147 χ^2/NDF: 22038.2/50

- sign 1113.380+/-0.208 χ^2/NDF: 8697.8/25

asym_usl_dit_correction_mean vs Slug



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

Left Out: -673.725+/-545.423 χ^2/NDF:21.1/8

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

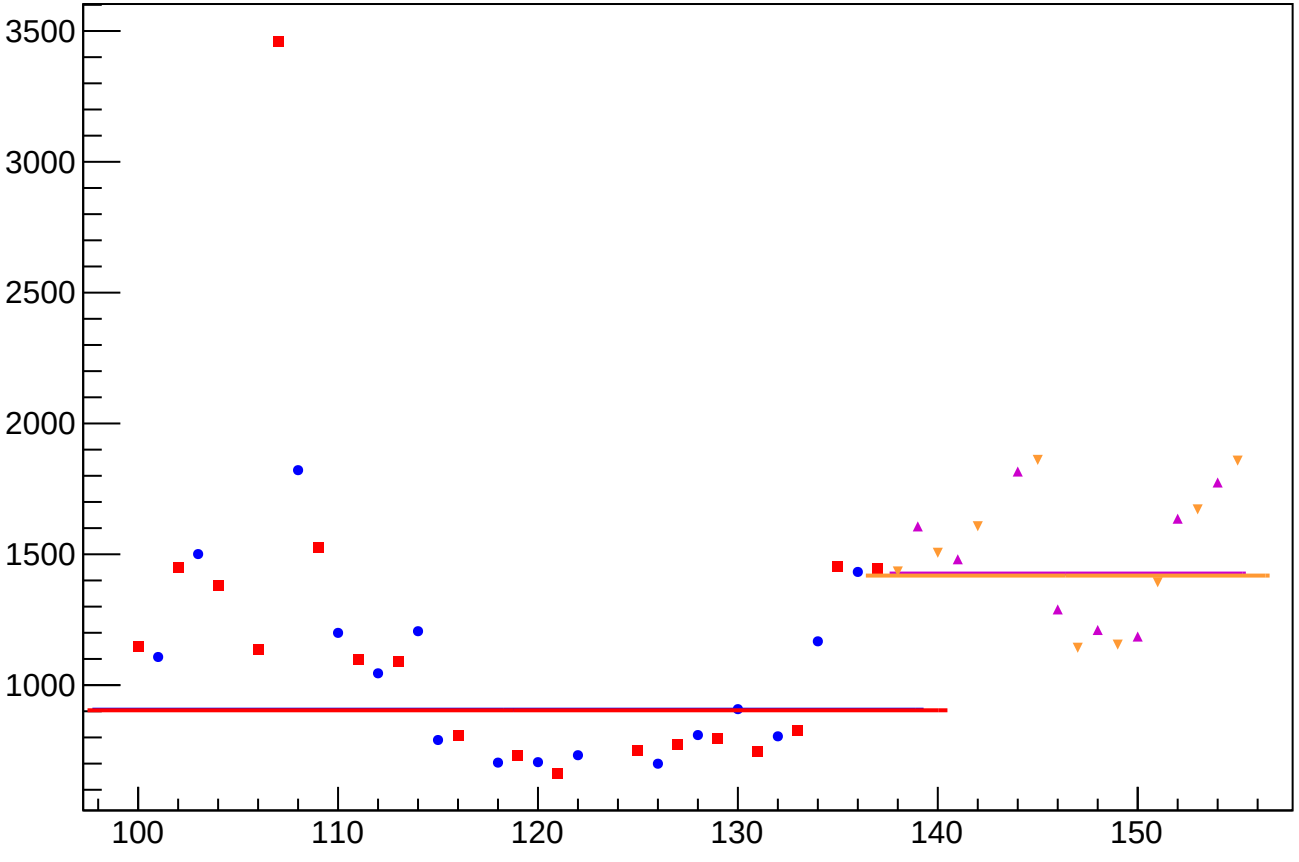
Left In: -285.222+/-546.927 χ^2/NDF:3.1/7

+ sign -306.399+/-295.351 χ^2/NDF: 42.2/24

All: -383.426+/-208.737 χ^2/NDF: 68.8/50

- sign -460.293+/-295.046 χ^2/NDF: 26.4/25

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1418.609+/-0.386 χ^2/NDF:421792.7/8

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

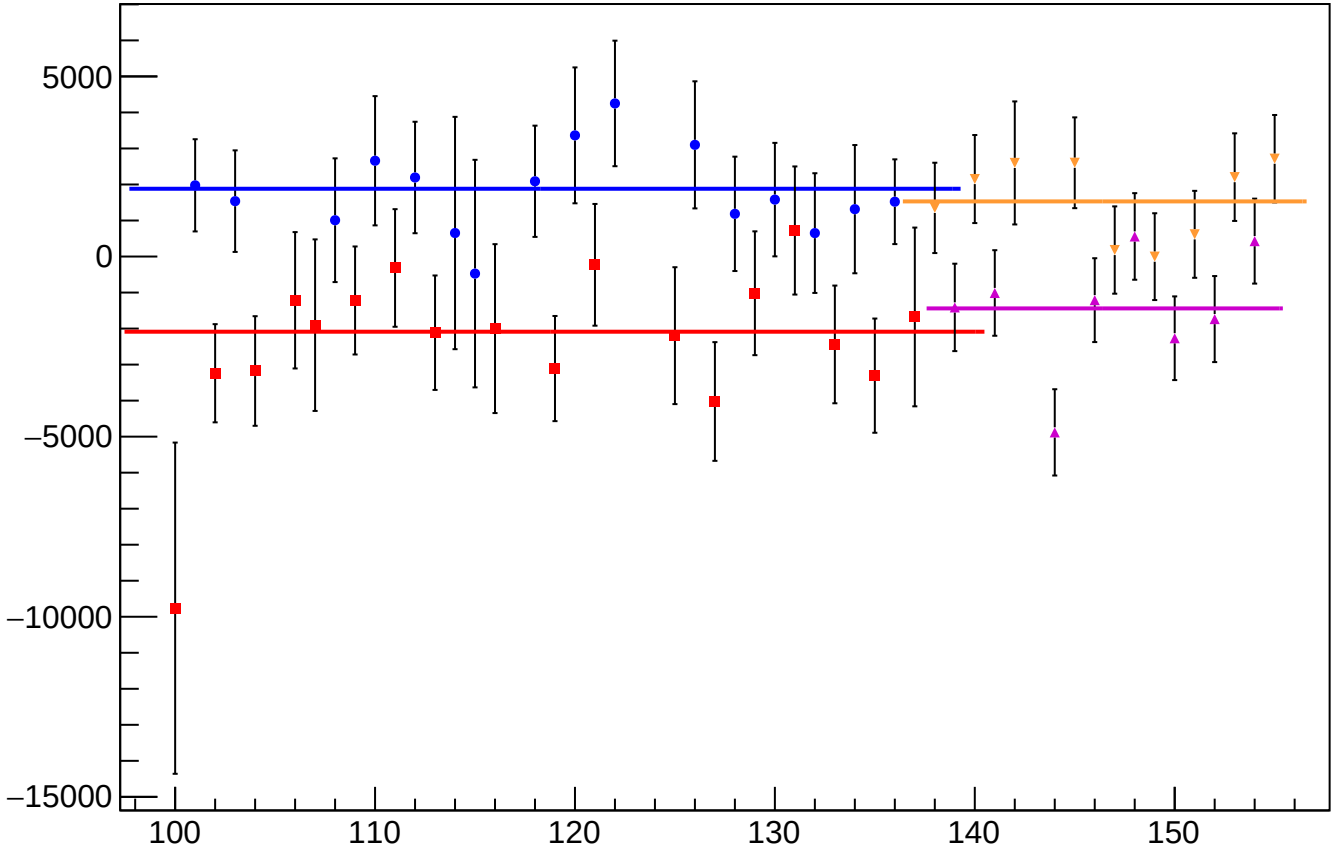
Left In: 1426.303+/-0.387 χ^2/NDF:348783.8/7

+ sign 1056.338+/-0.209 χ^2/NDF: 2749625.2/24

All: 1056.082+/-0.148 χ^2/NDF: 5732773.0/5

- sign 1055.825+/-0.209 χ^2/NDF: 2983144.8/25

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1530.446+/-419.229 χ^2/NDF:6.1/8

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

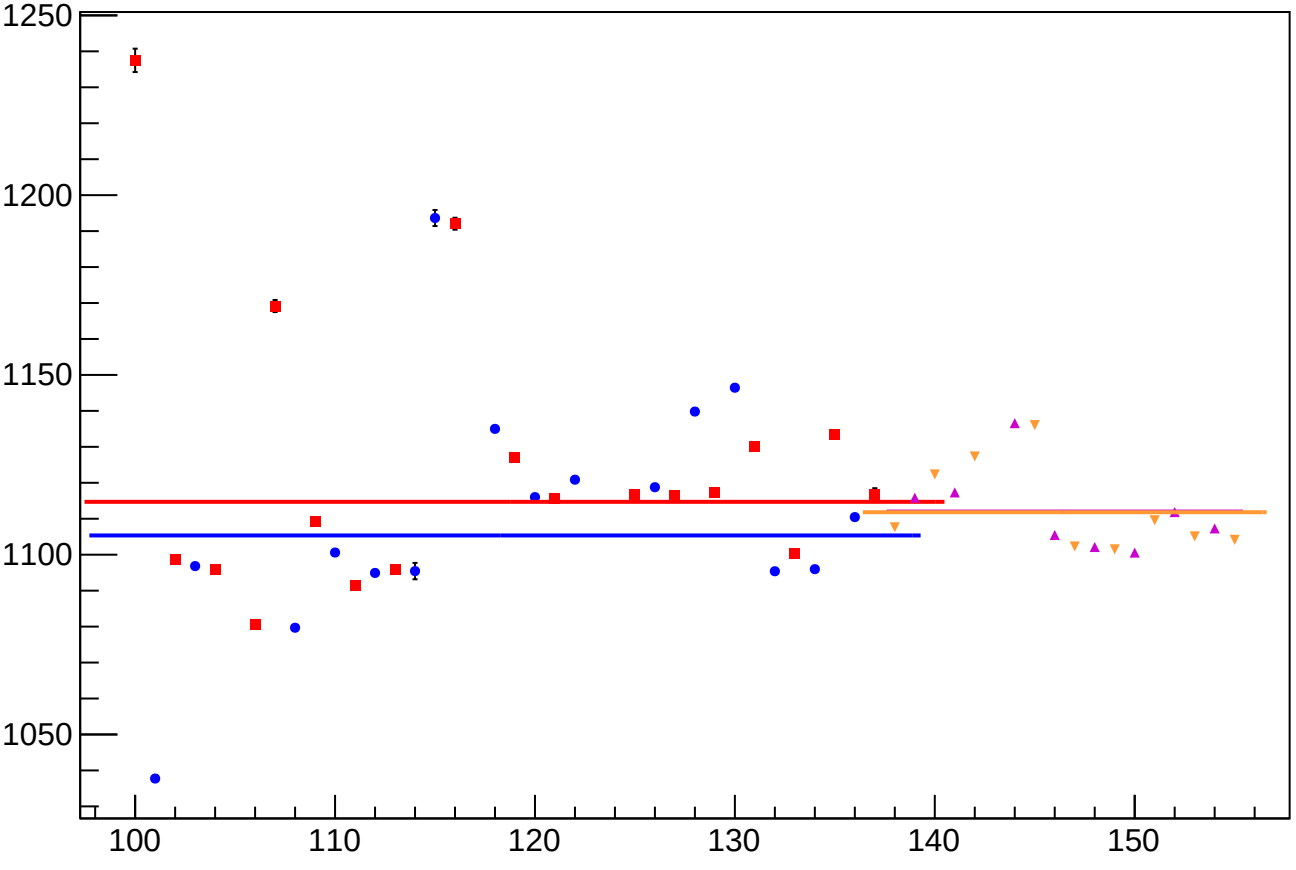
Left In: -1440.243+/-419.702 χ^2/NDF:14.3/7

+ sign 1709.592+/-293.378 χ^2/NDF: 11.6/24

All: -29.312+/-207.518 χ^2/NDF: 109.8/50

- sign -1770.505+/-293.571 χ^2/NDF: 27.9/25

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1111.815+/-0.296 χ^2/NDF:1492.8/8

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

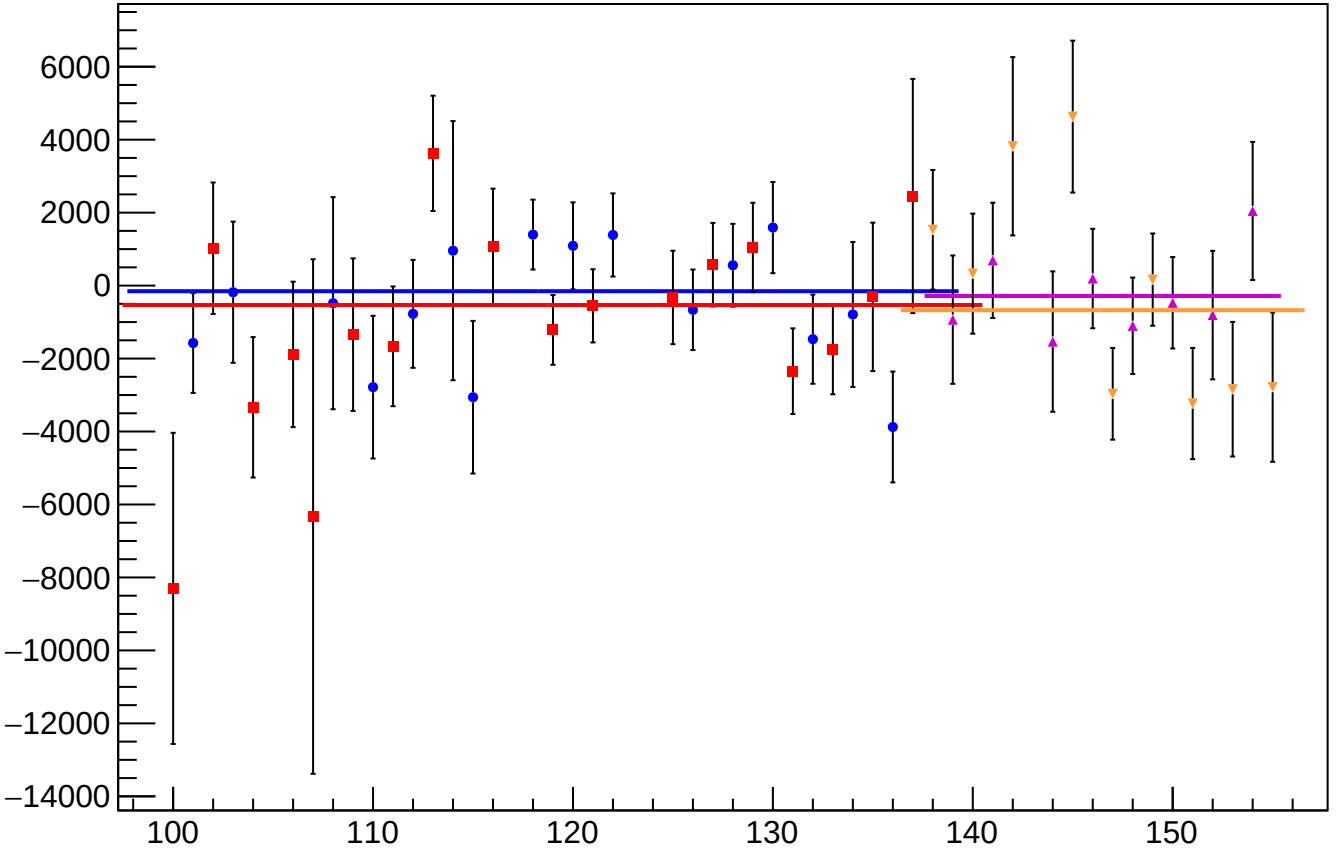
Left In: 1111.997+/-0.297 χ^2/NDF:1325.0/7

+ sign 1108.519+/-0.207 χ^2/NDF: 13066.0/24

All: 1110.948+/-0.147 χ^2/NDF: 22038.1/50

- sign 1113.380+/-0.208 χ^2/NDF: 8697.7/25

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: -673.731+/-545.424 χ^2/NDF:21.1/8

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

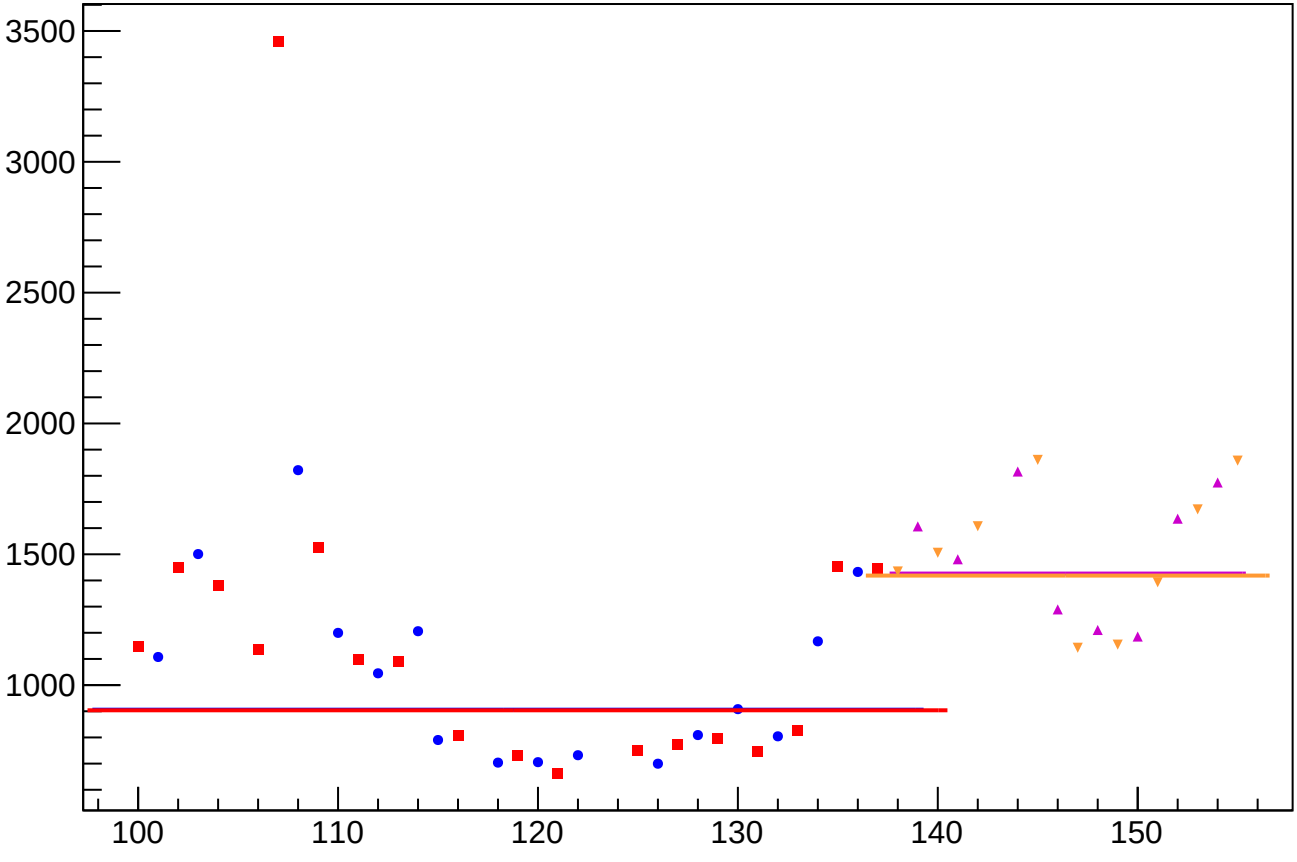
Left In: -285.224+/-546.928 χ^2/NDF:3.1/7

+ sign -306.399+/-295.351 χ^2/NDF: 42.2/24

All: -383.426+/-208.737 χ^2/NDF: 68.8/50

- sign -460.293+/-295.046 χ^2/NDF: 26.4/25

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1418.612+/-0.386 χ^2/NDF:421790.9/8

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

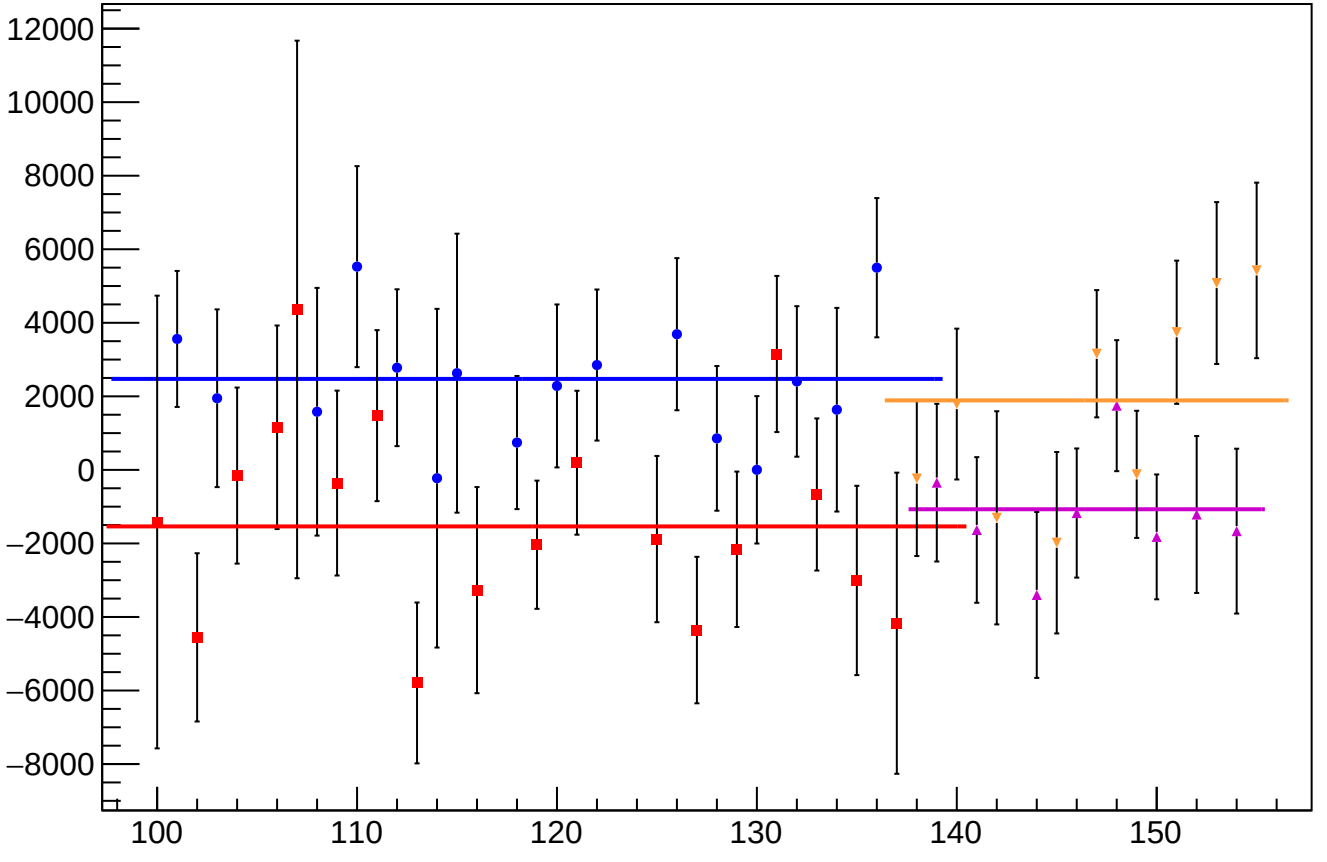
Left In: 1426.305+/-0.387 χ^2/NDF:348781.3/7

+ sign 1056.337+/-0.209 χ^2/NDF: 2749647.7/24

All: 1056.080+/-0.148 χ^2/NDF: 5732816.2/50

- sign 1055.824+/-0.209 χ^2/NDF: 2983165.5/25

asym_usl_mean vs Slug



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

Left Out: 1889.890+/-696.625 χ^2/NDF:11.8/8

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

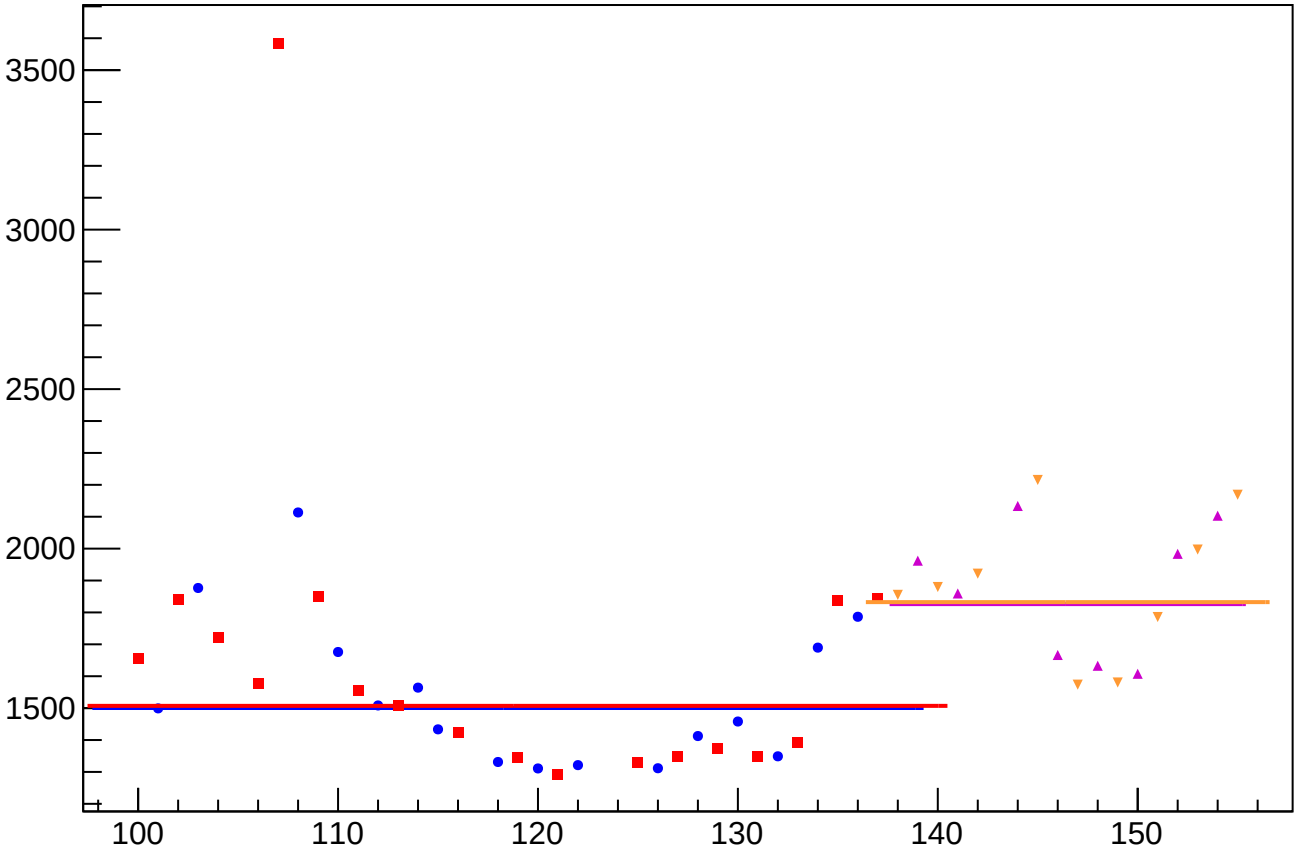
Left In: -1070.554+/-694.404 χ^2/NDF:4.0/7

+ sign 2243.361+/-437.780 χ^2/NDF: 20.4/24

All: 444.853+/-309.488 χ^2/NDF: 77.0/50

- sign -1352.038+/-437.583 χ^2/NDF: 22.8/25

asym_usl_rms vs Slug



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

Left Out: 1832.313+/-0.493 χ^2/NDF:190707.6/8

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

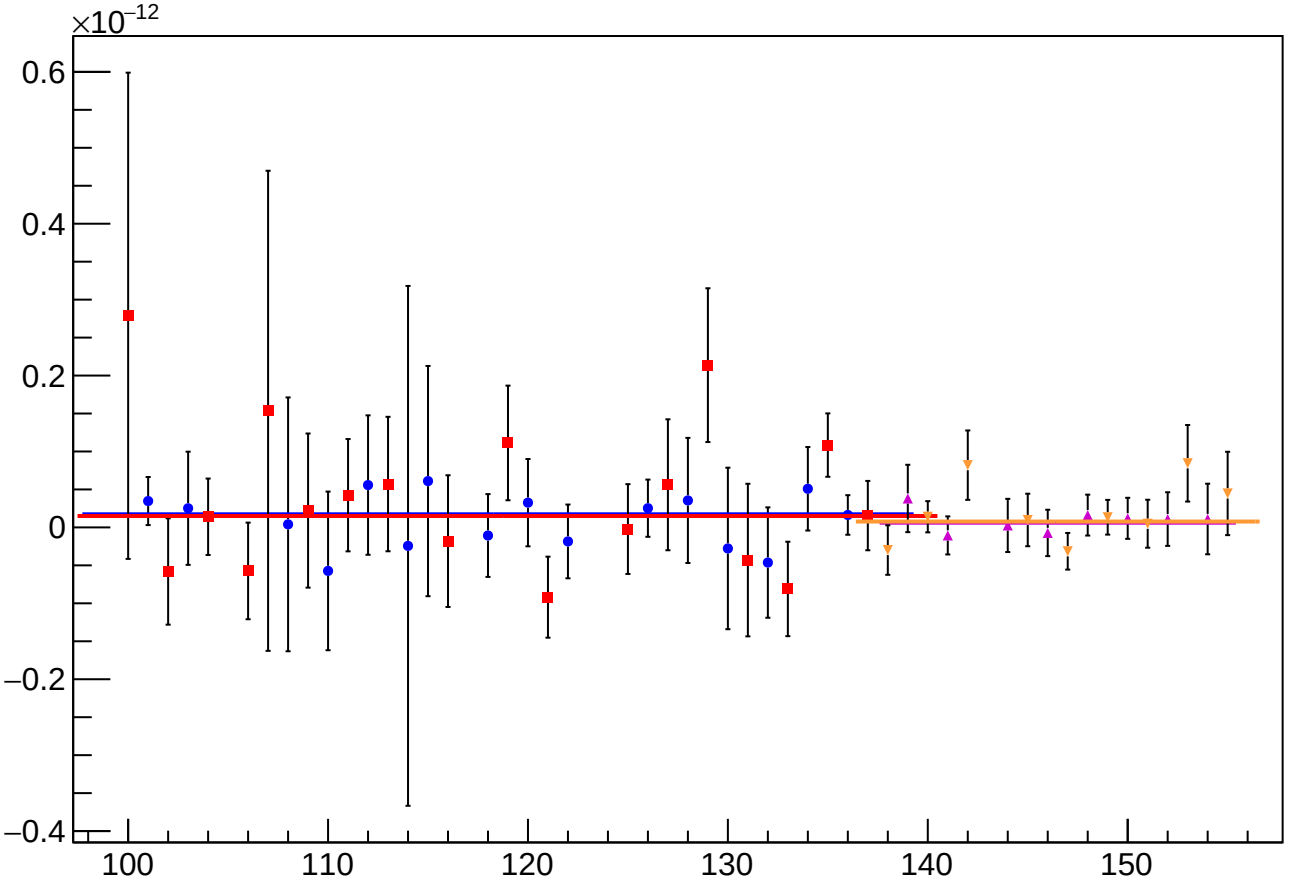
Left In: 1826.081+/-0.491 χ^2/NDF:160414.9/7

+ sign 1631.467+/-0.310 χ^2/NDF: 724258.5/24

All: 1632.616+/-0.219 χ^2/NDF: 1540369.8/50

- sign 1633.765+/-0.309 χ^2/NDF: 816083.7/25

asym_usl_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/8

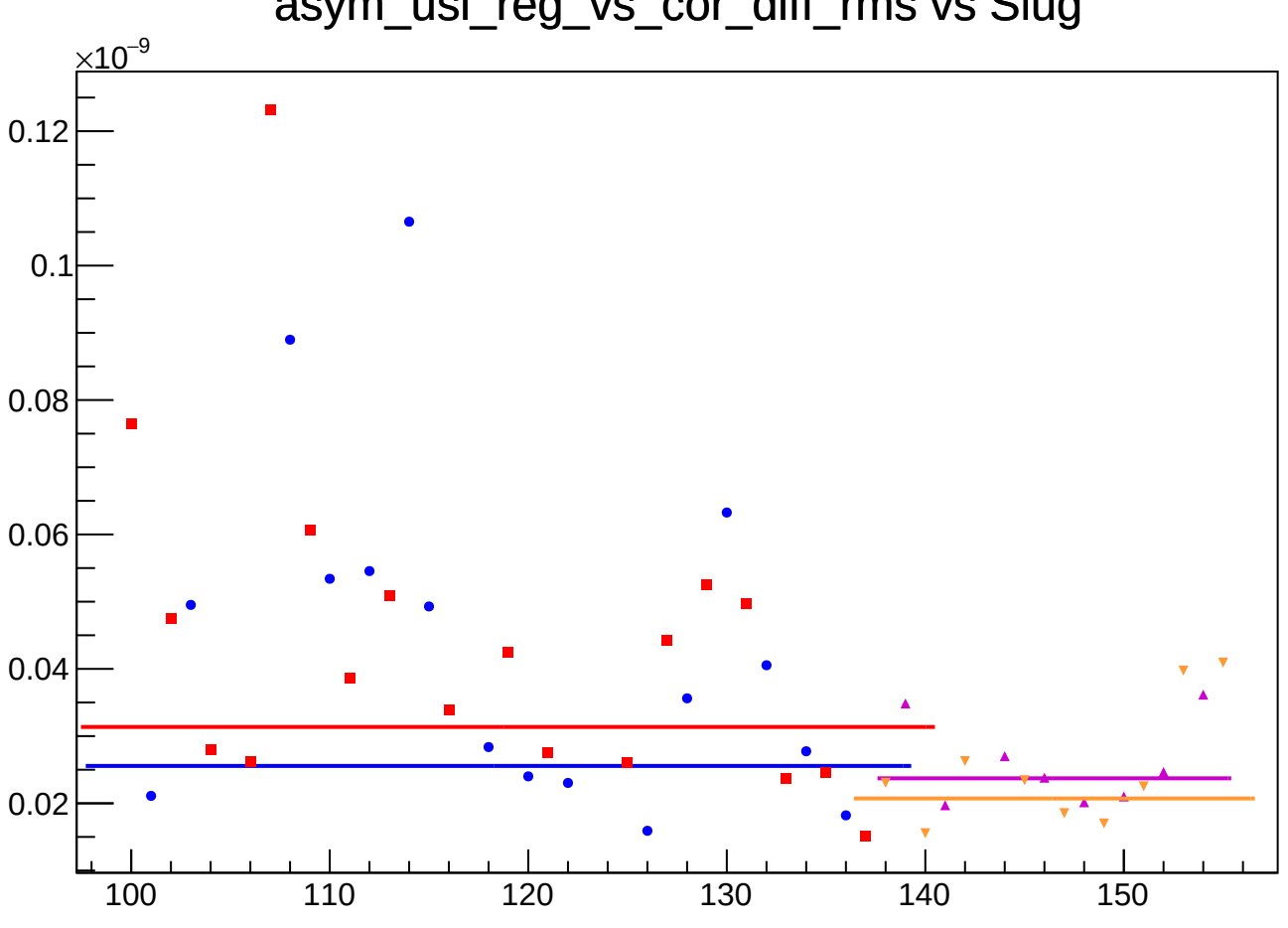
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 13.3/24

All: 0.000+/-0.000 χ^2/NDF: 36.2/50

- sign 0.000+/-0.000 χ^2/NDF: 22.9/25



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

Left Out: 0.000+/-0.000 χ^2/NDF:810558.5/8

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

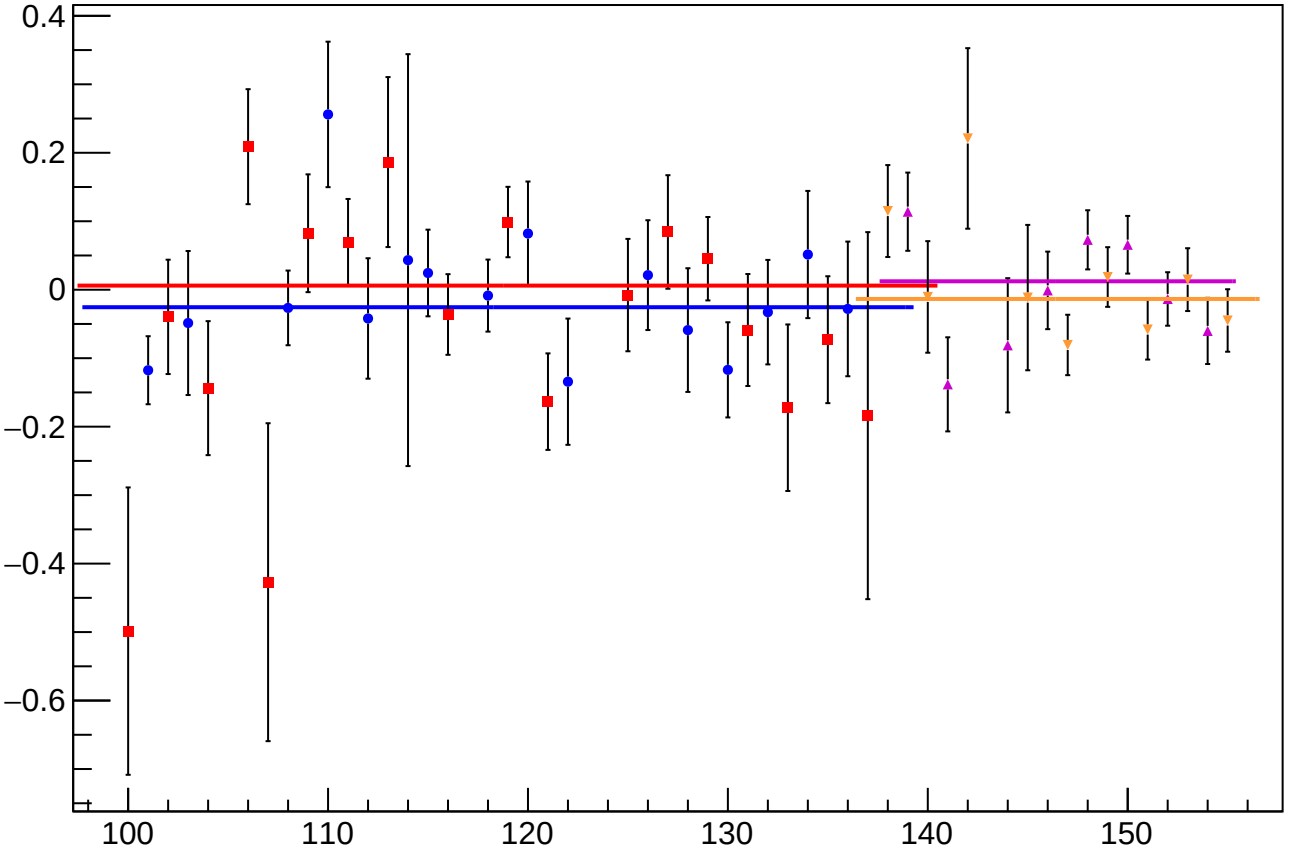
Left In: 0.000+/-0.000 χ^2/NDF:394658.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 2684007.2/24

All: 0.000+/-0.000 χ^2/NDF: 4801980.4/50

- sign 0.000+/-0.000 χ^2/NDF: 1926942.2/25

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.018 χ^2/NDF:11.6/8

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

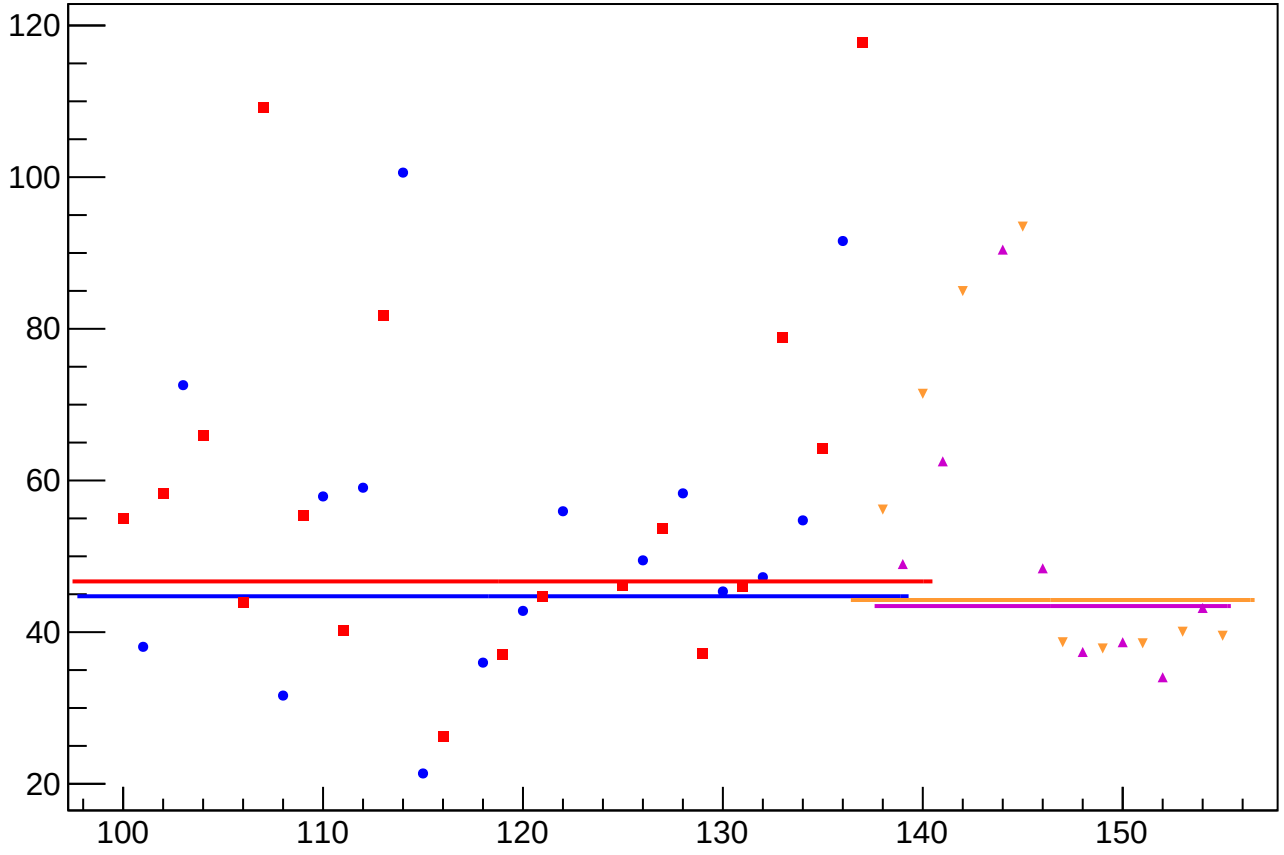
Left In: 0.012+/-0.018 χ^2/NDF:15.2/7

+ sign -0.019+/-0.013 χ^2/NDF: 29.4/24

All: -0.005+/-0.009 χ^2/NDF: 83.6/50

- sign 0.009+/-0.013 χ^2/NDF: 51.8/25

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 44.240+/-0.013 χ^2/NDF:1053907.7/8

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

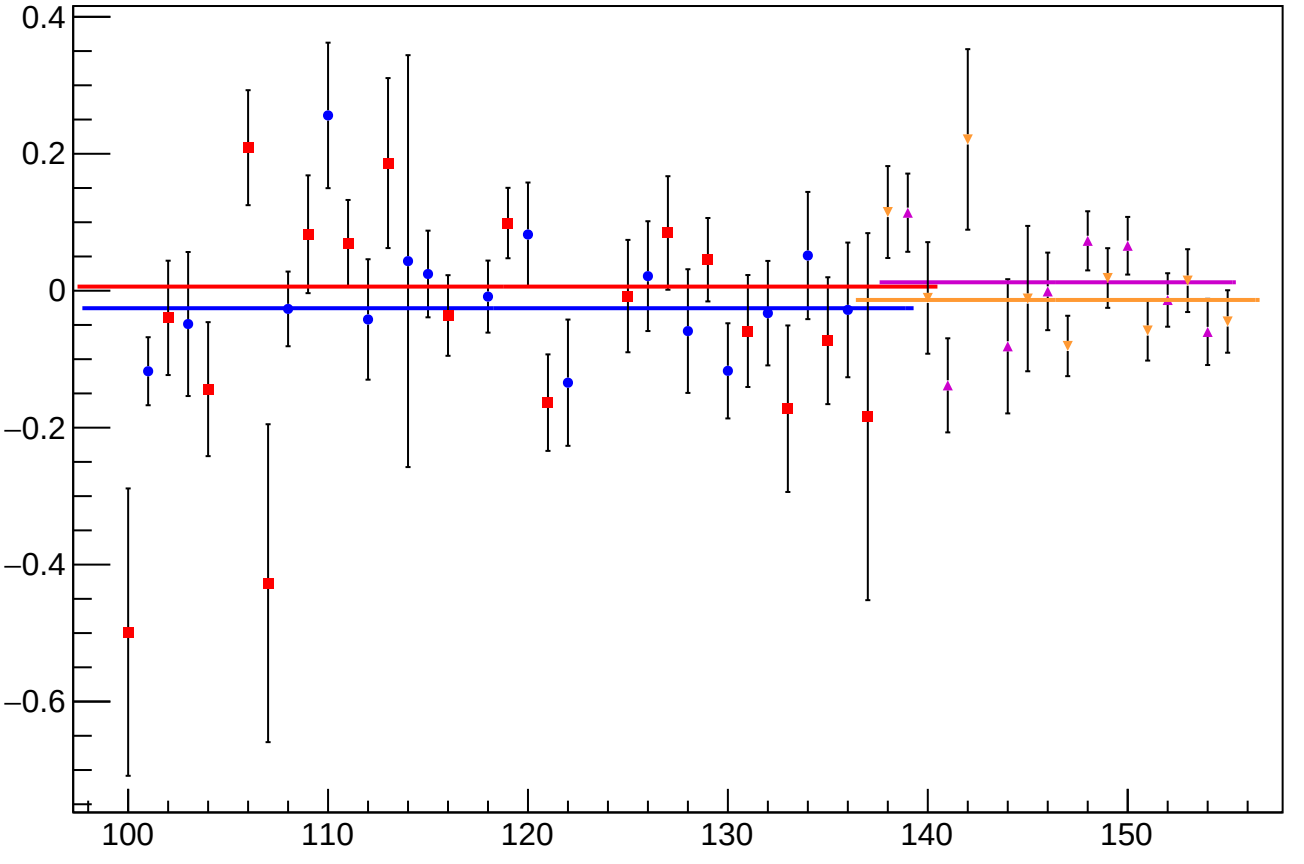
Left In: 43.440+/-0.013 χ^2/NDF:829237.6/7

+ sign 44.478+/-0.009 χ^2/NDF: 2389163.3/24

All: 44.705+/-0.007 χ^2/NDF: 4445415.1/50

- sign 44.936+/-0.009 χ^2/NDF: 2055029.7/25

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.018 χ^2/NDF:11.6/8

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

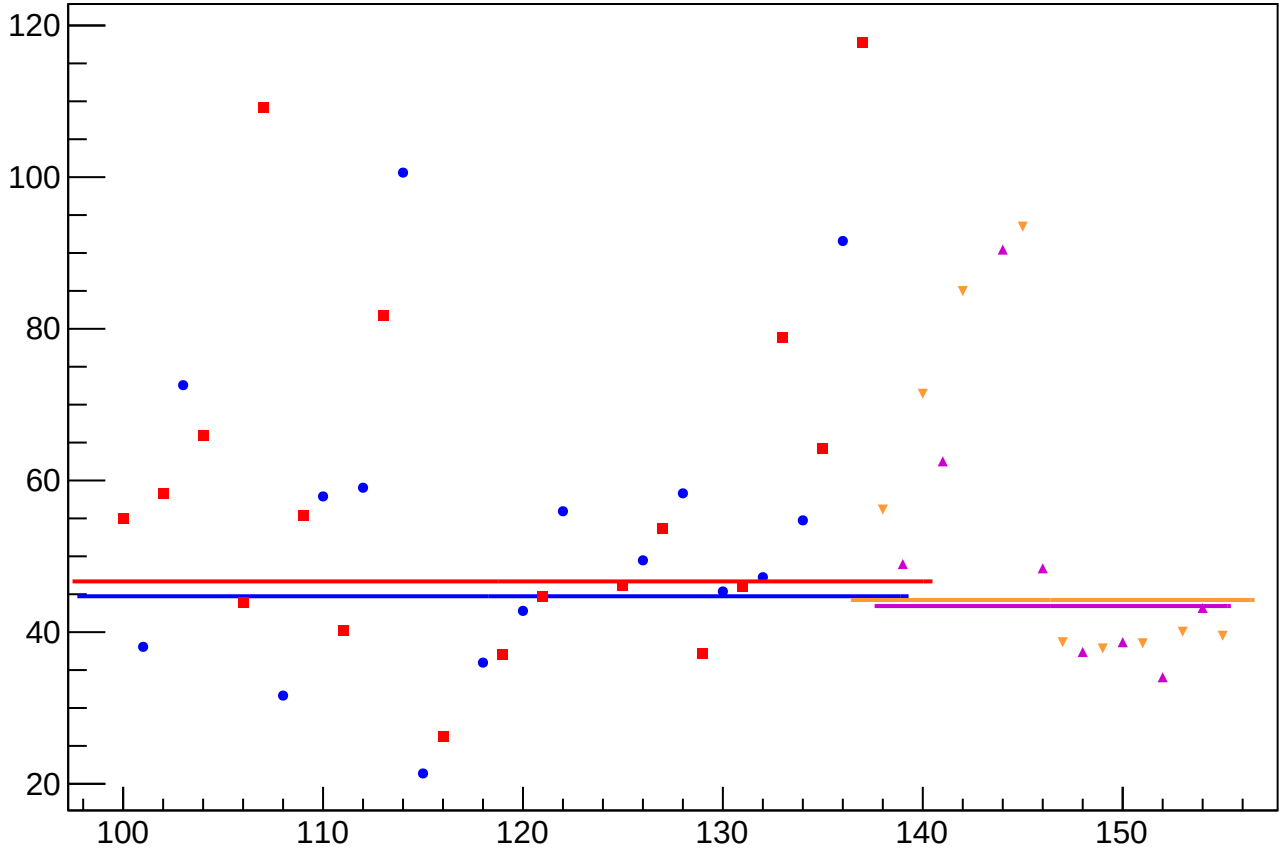
Left In: 0.012+/-0.018 χ^2/NDF:15.2/7

+ sign -0.019+/-0.013 χ^2/NDF: 29.4/24

All: -0.005+/-0.009 χ^2/NDF: 83.6/50

- sign 0.009+/-0.013 χ^2/NDF: 51.8/25

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 44.240+/-0.013 χ^2/NDF:1053907.7/8

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

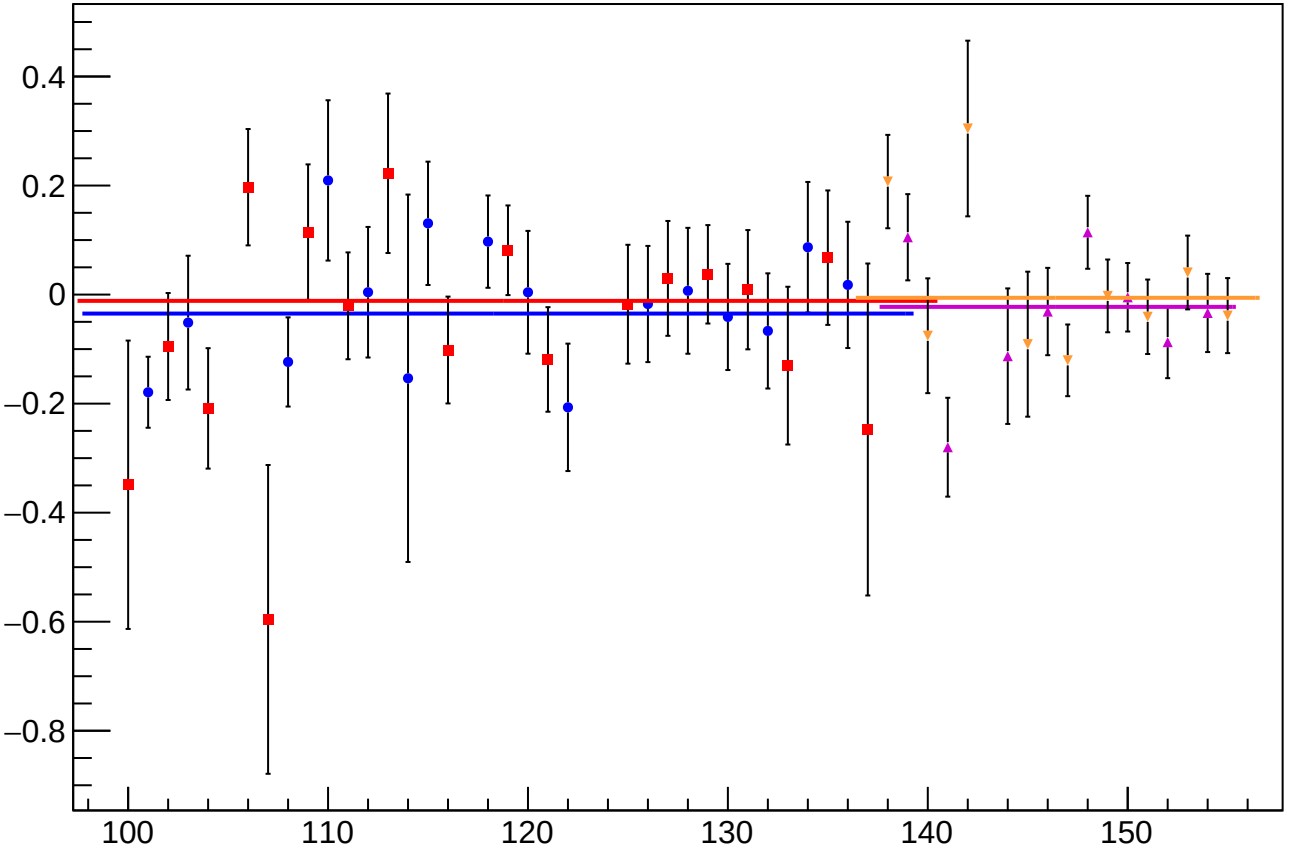
Left In: 43.440+/-0.013 χ^2/NDF:829237.6/7

+ sign 44.478+/-0.009 χ^2/NDF: 2389163.3/24

All: 44.705+/-0.007 χ^2/NDF: 4445415.1/50

- sign 44.936+/-0.009 χ^2/NDF: 2055029.7/25

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.006+/-0.027 χ^2/NDF:14.8/8

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

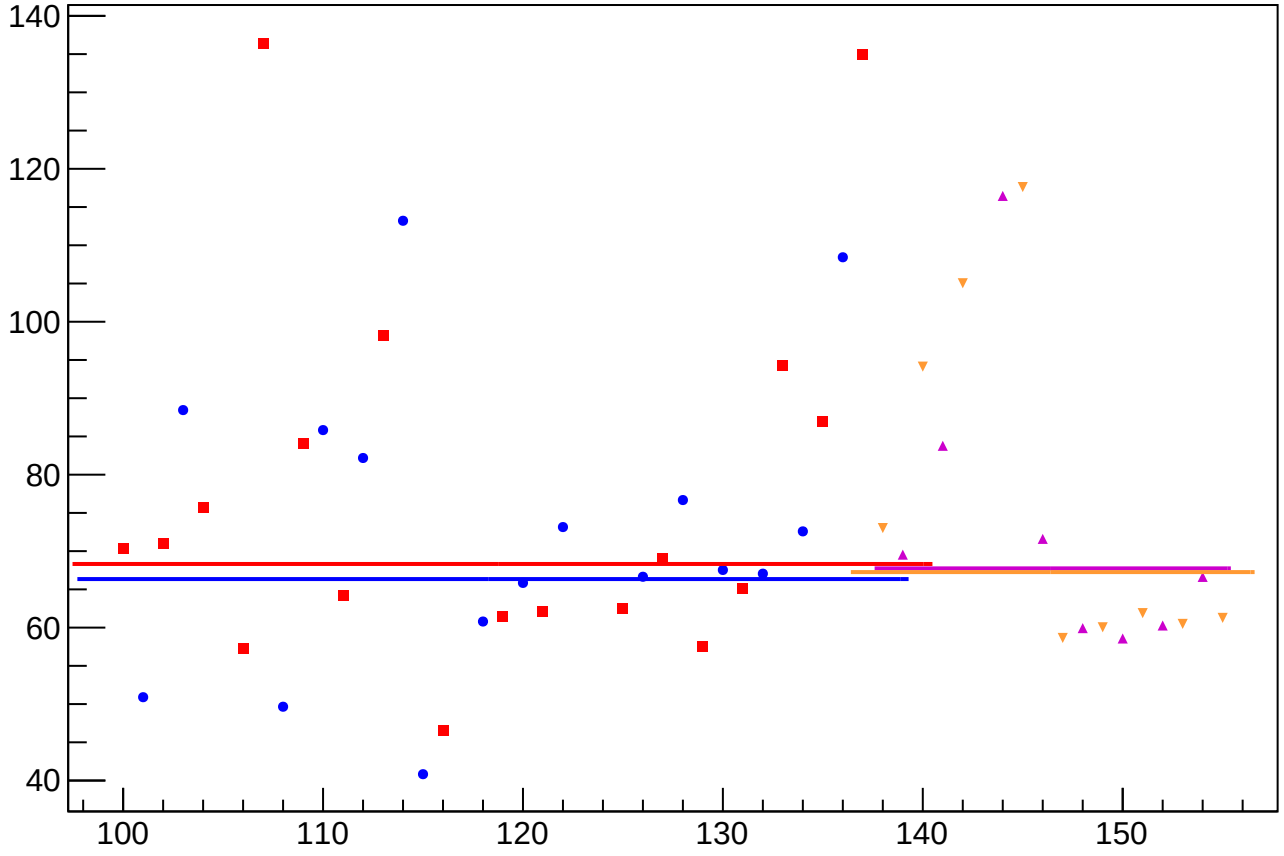
Left In: -0.023+/-0.027 χ^2/NDF:16.4/7

+ sign -0.021+/-0.019 χ^2/NDF: 32.8/24

All: -0.019+/-0.013 χ^2/NDF: 72.1/50

- sign -0.017+/-0.019 χ^2/NDF: 39.3/25

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 67.261+/-0.019 χ^2/NDF:641142.8/8

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

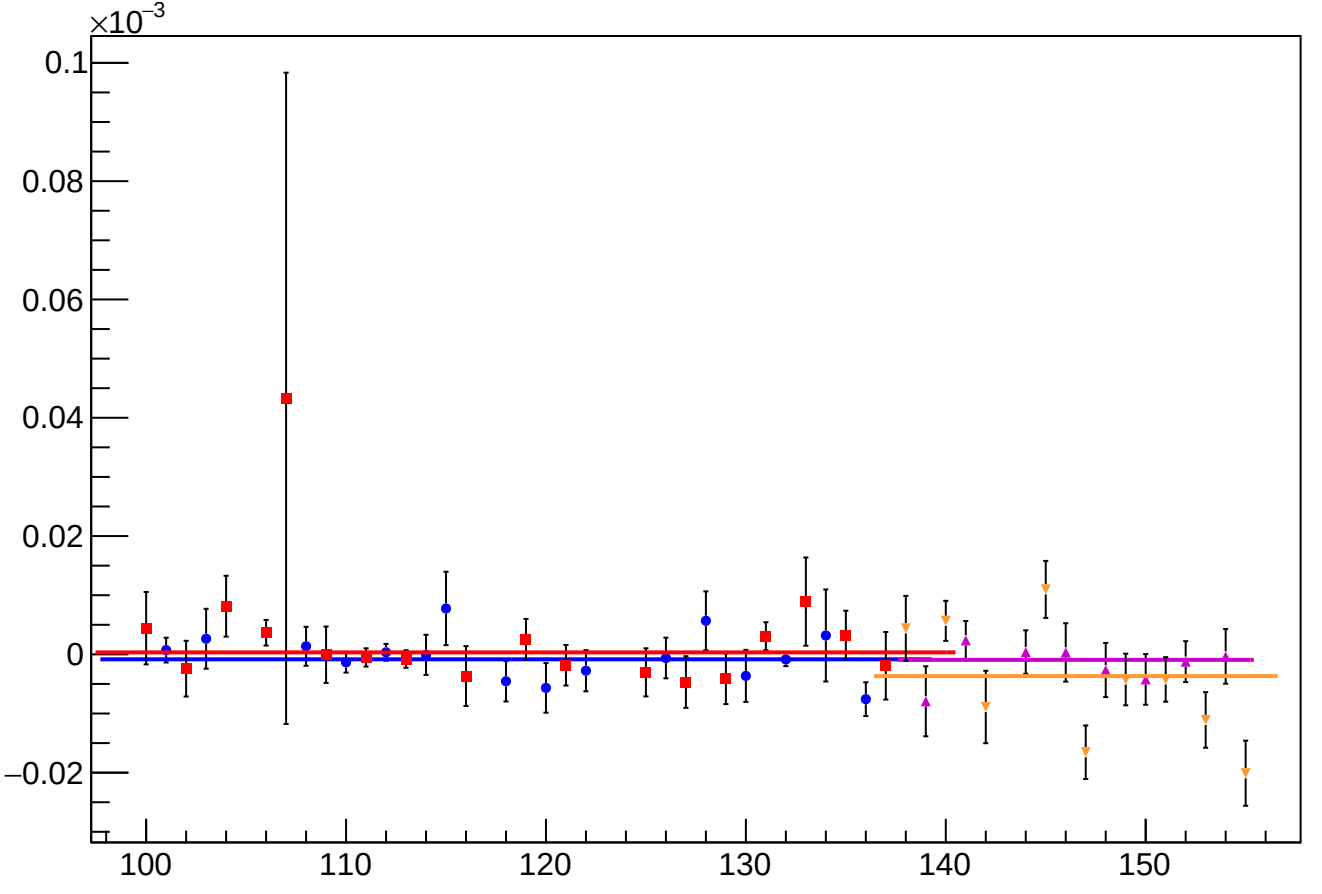
Left In: 67.746+/-0.019 χ^2/NDF:471206.7/7

+ sign 66.800+/-0.013 χ^2/NDF: 1414990.6/24

All: 67.407+/-0.009 χ^2/NDF: 2520617.0/50

- sign 68.032+/-0.013 χ^2/NDF: 1101338.2/25

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:39.3/8

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

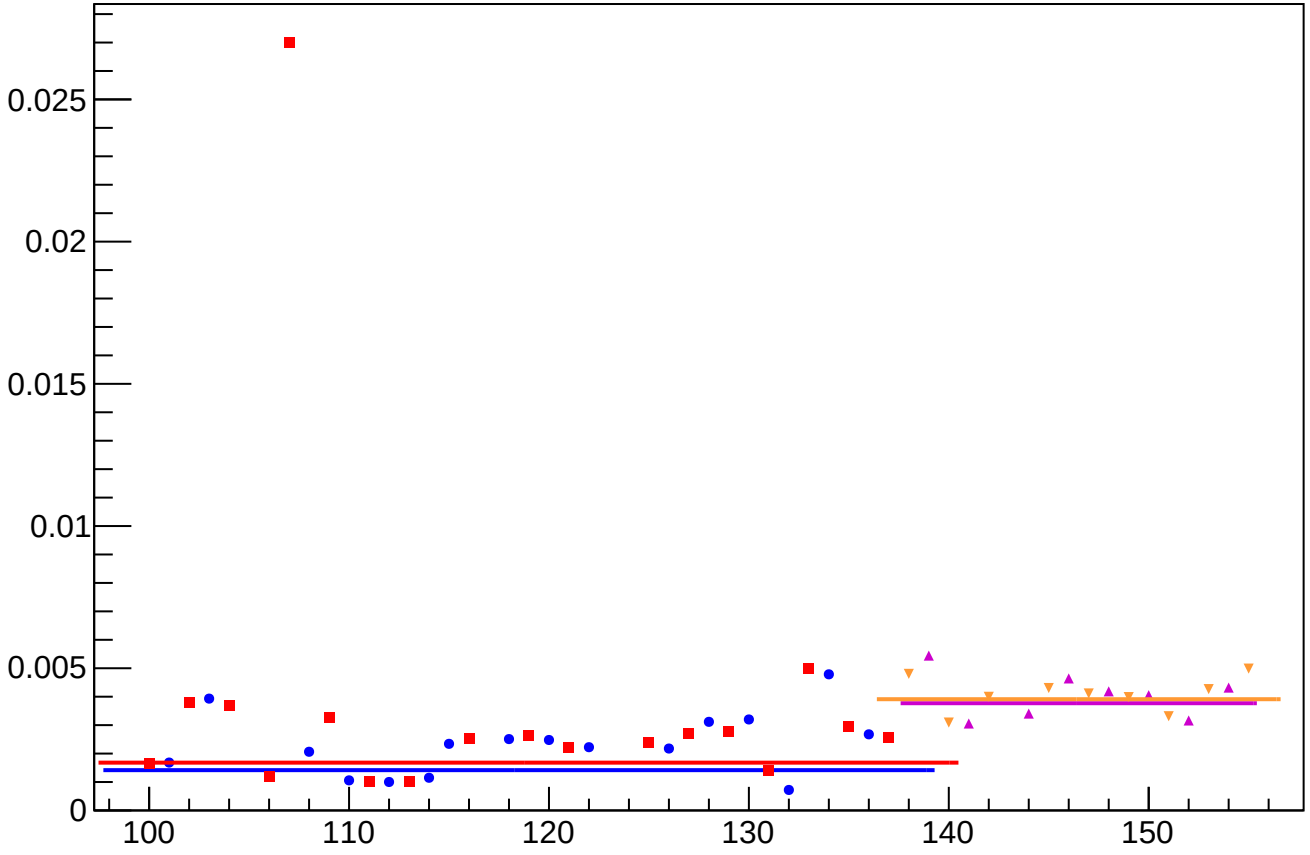
Left In: -0.000+/-0.000 χ^2/NDF:3.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 57.3/24

All: -0.000+/-0.000 χ^2/NDF: 78.5/50

- sign 0.000+/-0.000 χ^2/NDF: 18.8/25

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:327133.2/8

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

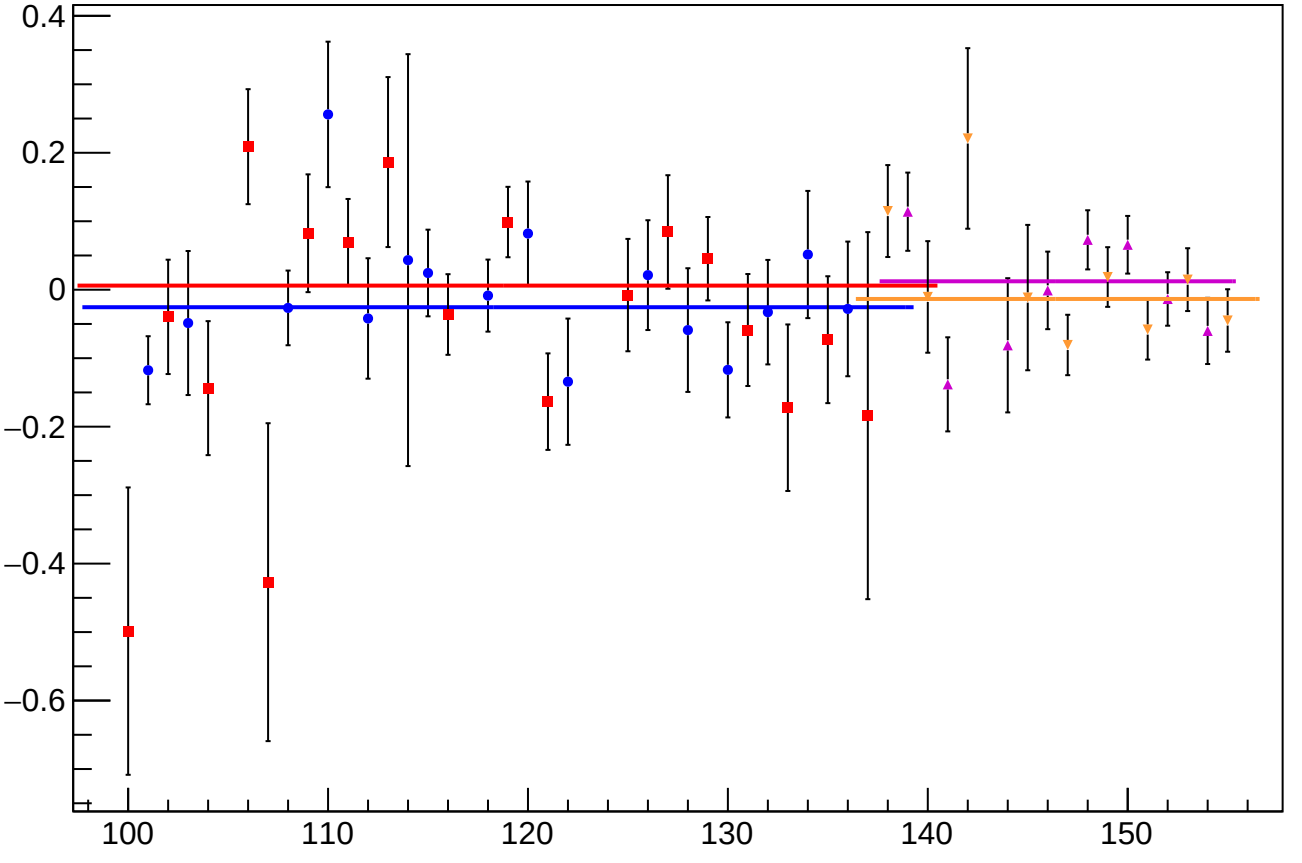
Left In: 0.004+/-0.000 χ^2/NDF:452746.3/7

+ sign 0.002+/-0.000 χ^2/NDF: 8571837.3/24

All: 0.002+/-0.000 χ^2/NDF: 16020067.1/50

- sign 0.002+/-0.000 χ^2/NDF: 7173419.0/25

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.018 χ^2/NDF:11.6/8

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

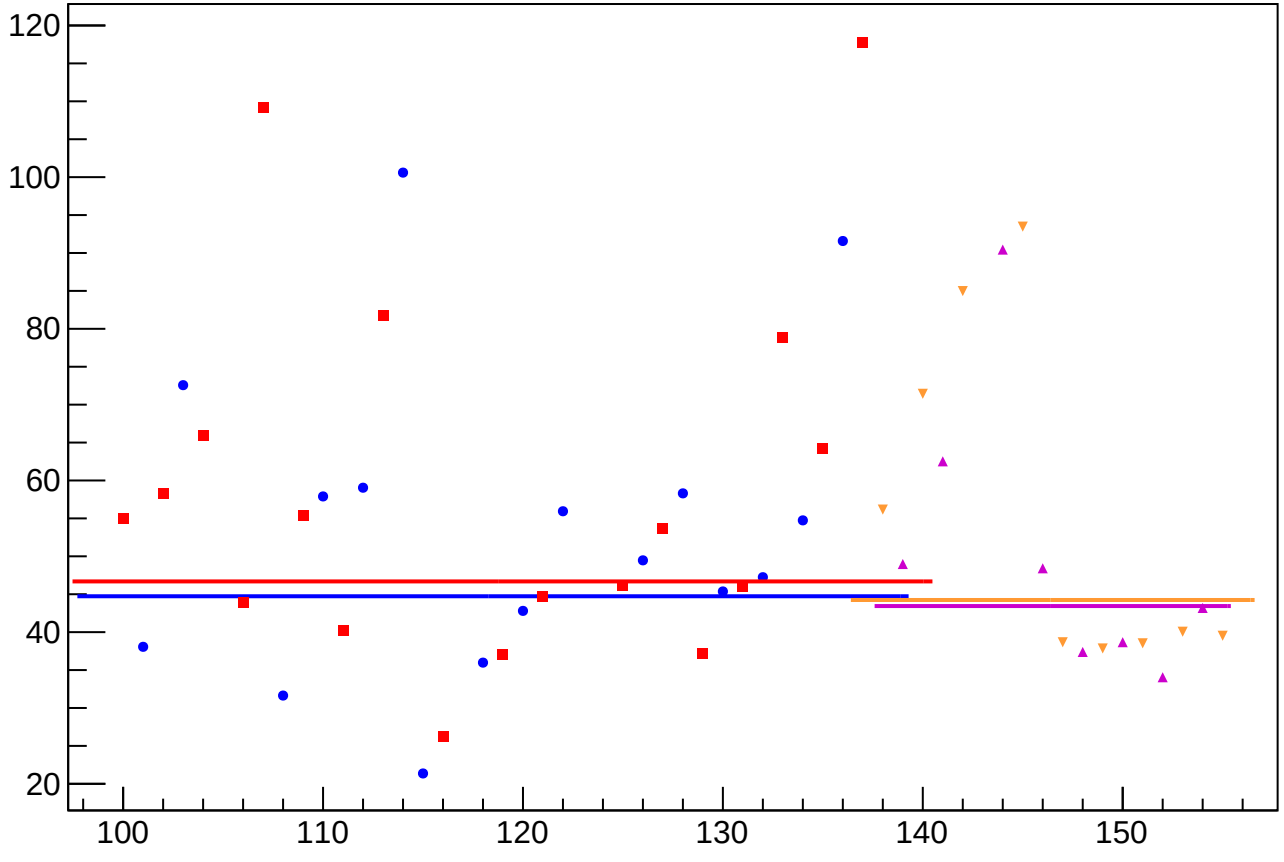
Left In: 0.012+/-0.018 χ^2/NDF:15.2/7

+ sign -0.019+/-0.013 χ^2/NDF: 29.4/24

All: -0.005+/-0.009 χ^2/NDF: 83.6/50

- sign 0.009+/-0.013 χ^2/NDF: 51.8/25

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.240+/-0.013 χ^2/NDF:1053863.4/8

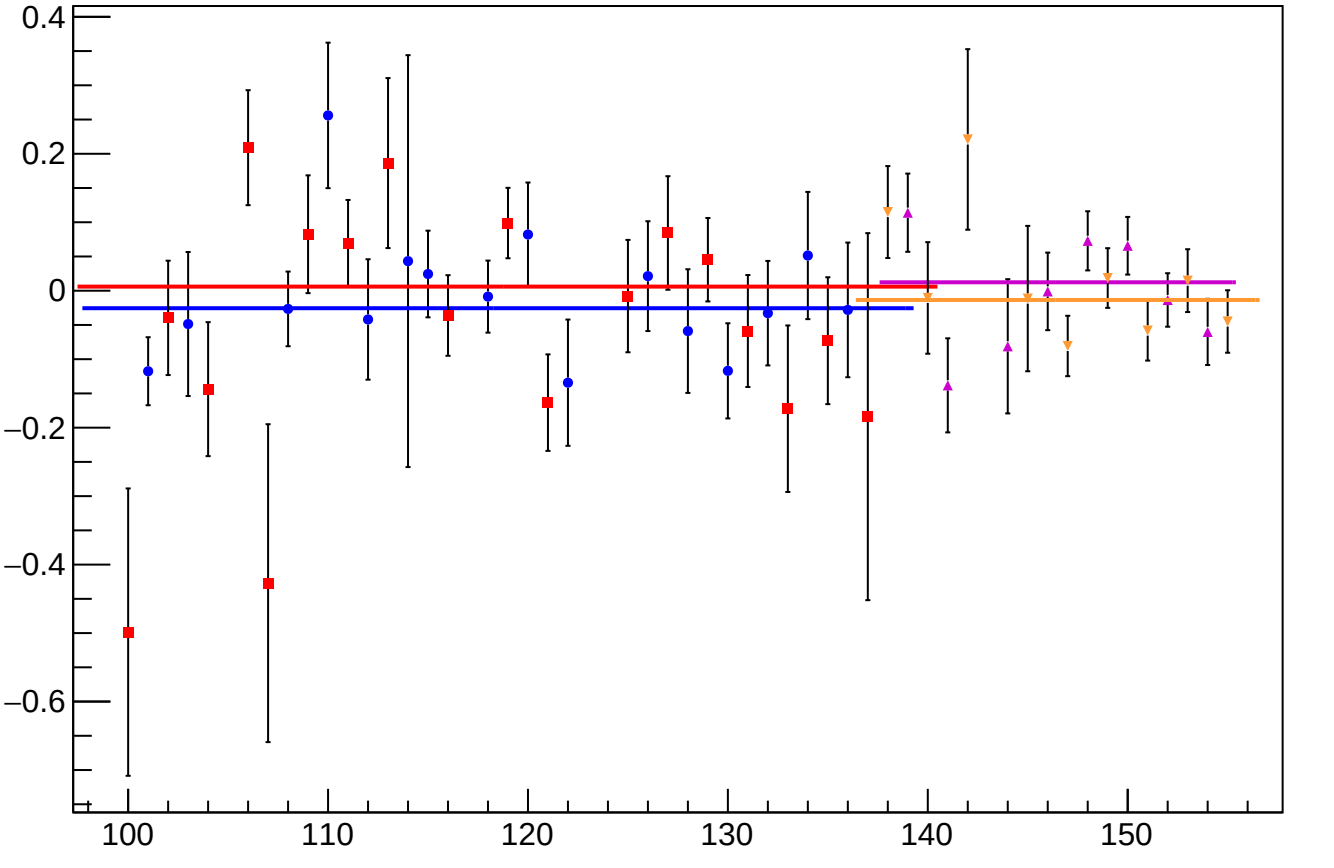
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.440+/-0.013 χ^2/NDF:829216.5/7

+ sign 44.478+/-0.009 χ^2/NDF: 2389177.3/24

All: 44.705+/-0.007 χ^2/NDF: 4445423.0/50

- sign 44.936+/-0.009 χ^2/NDF: 2055023.2/25



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

Left Out: -0.013+/-0.018 χ^2/NDF:11.6/8

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

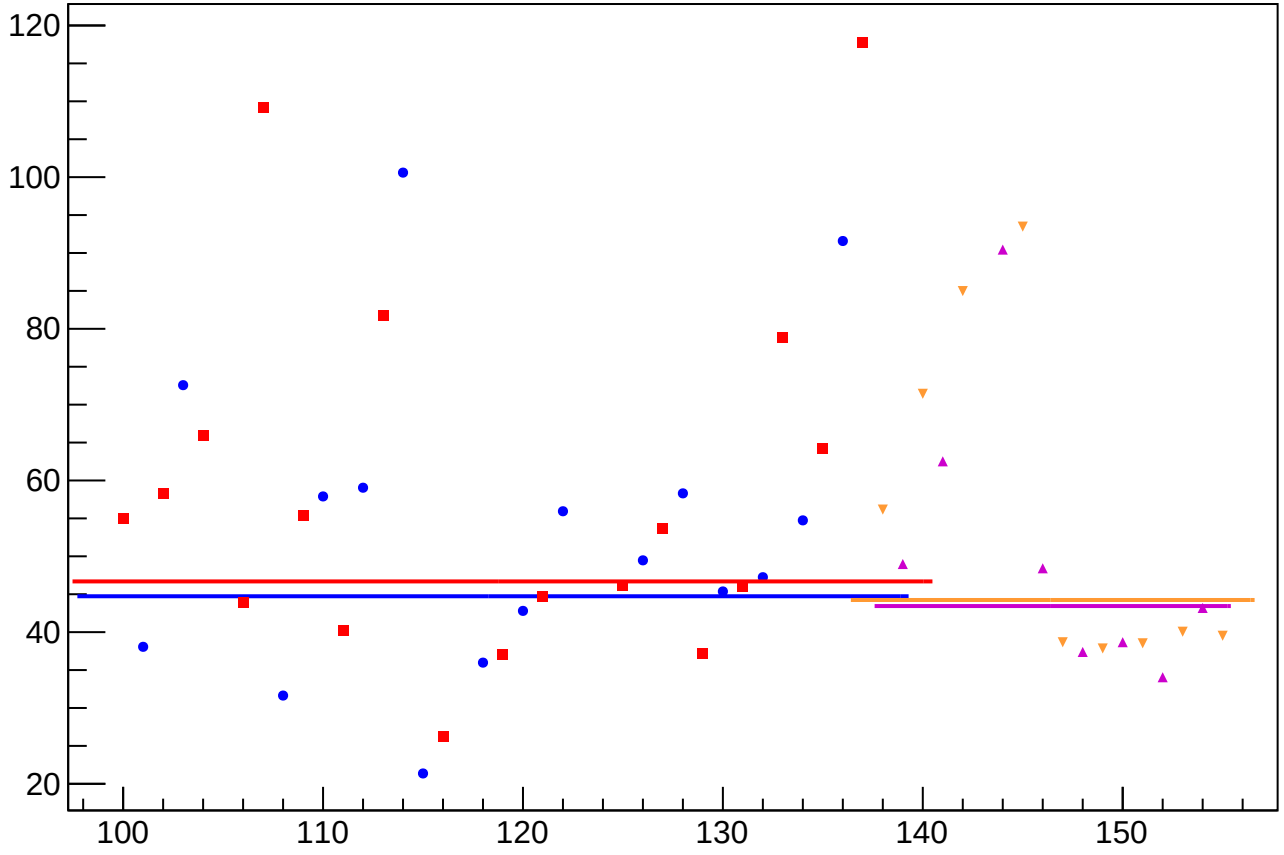
Left In: 0.012+/-0.018 χ^2/NDF:15.2/7

+ sign -0.019+/-0.013 χ^2/NDF: 29.4/24

All: -0.005+/-0.009 χ^2/NDF: 83.6/50

- sign 0.009+/-0.013 χ^2/NDF: 51.8/25

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: 44.240+/-0.013 χ^2/NDF:1053863.4/8

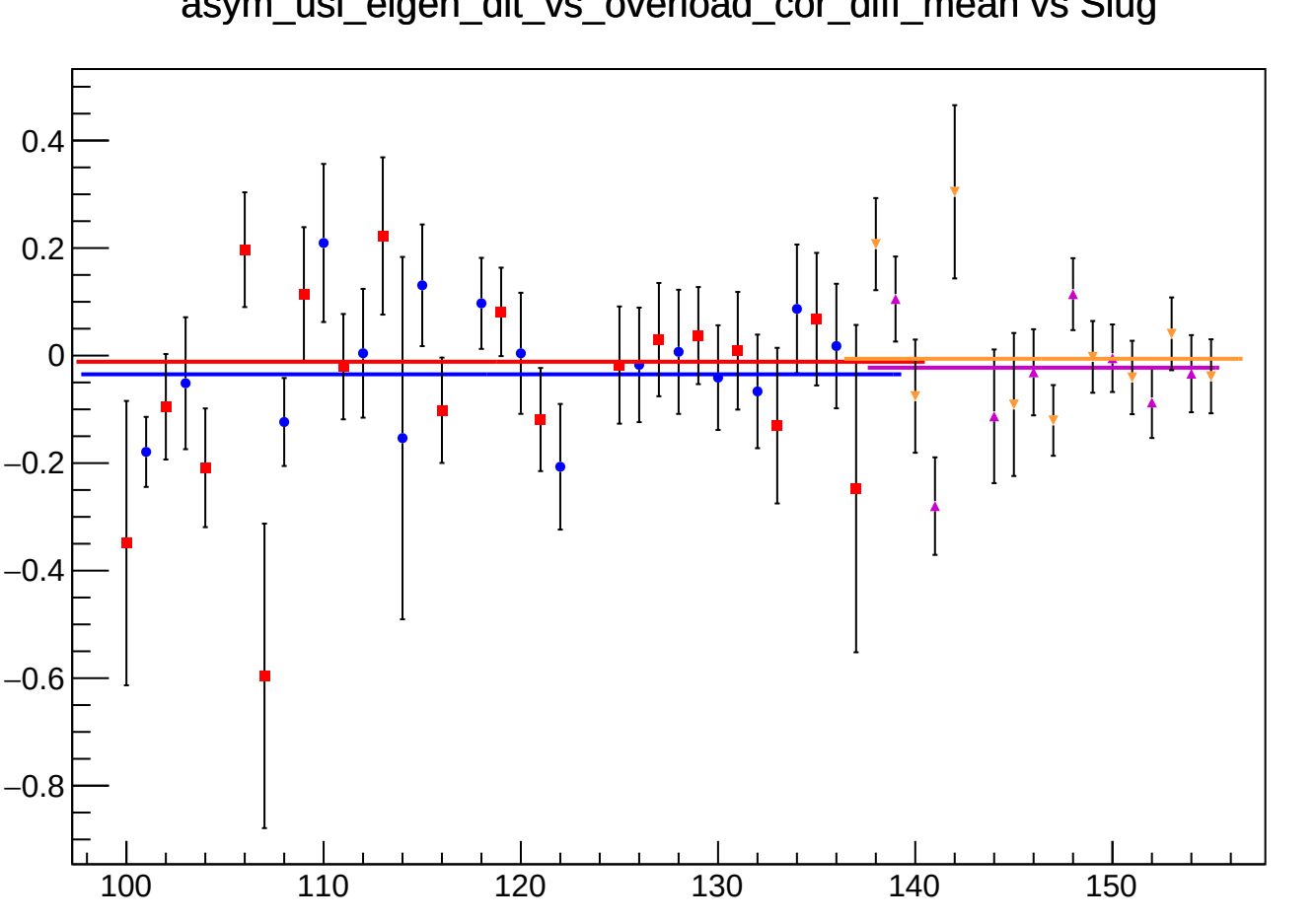
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.440+/-0.013 χ^2/NDF:829216.5/7

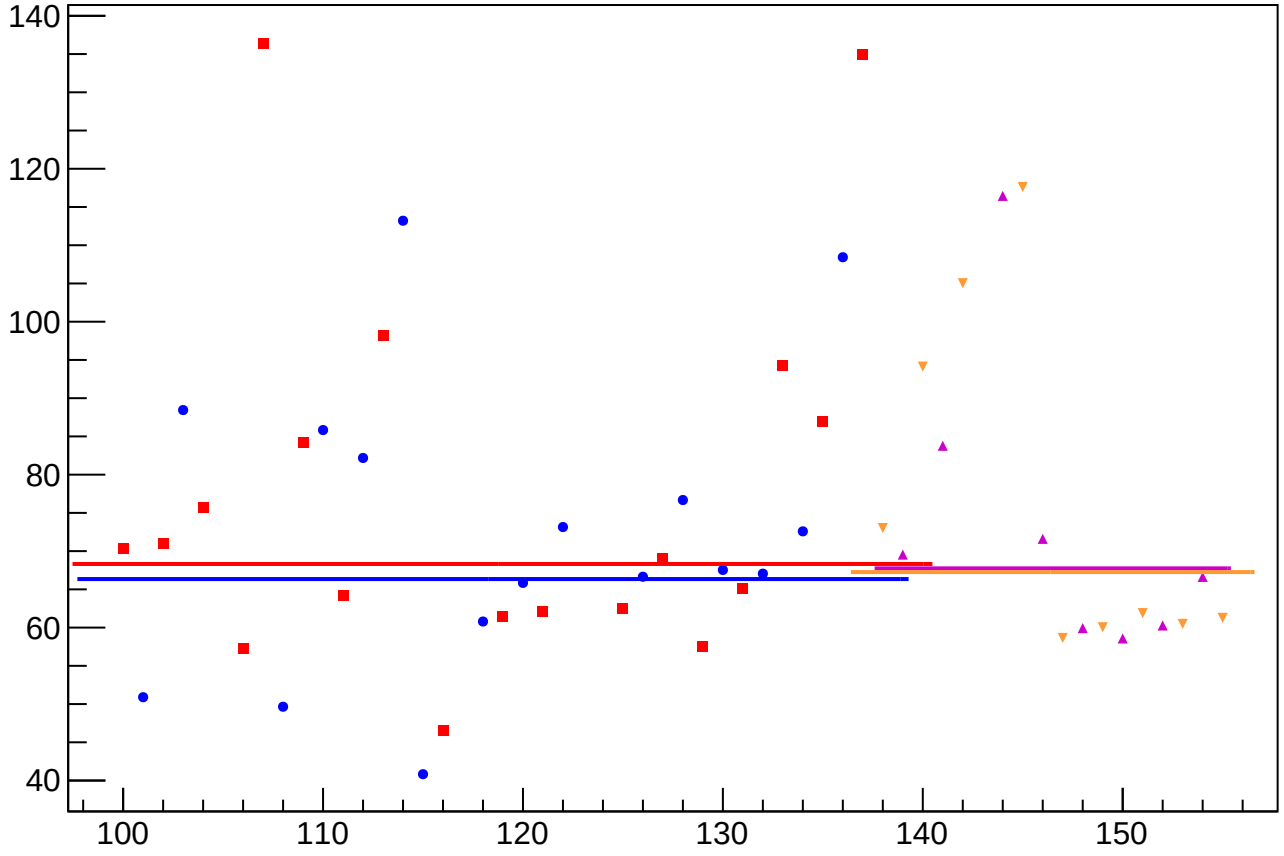
+ sign 44.478+/-0.009 χ^2/NDF: 2389177.3/24

All: 44.705+/-0.007 χ^2/NDF: 4445423.0/50

- sign 44.936+/-0.009 χ^2/NDF: 2055023.2/25


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.006+/-0.027 χ²/NDF:14.8/8
Right Out: -0.012+/-0.027 χ²/NDF: 22.8/17
Left In: -0.023+/-0.027 χ²/NDF:16.4/7
+ sign -0.021+/-0.019 χ²/NDF: 32.8/24
All: -0.019+/-0.013 χ²/NDF: 72.1/50
- sign -0.017+/-0.019 χ²/NDF: 39.3/25

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: 67.261+/-0.019 χ^2/NDF:641128.0/8

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

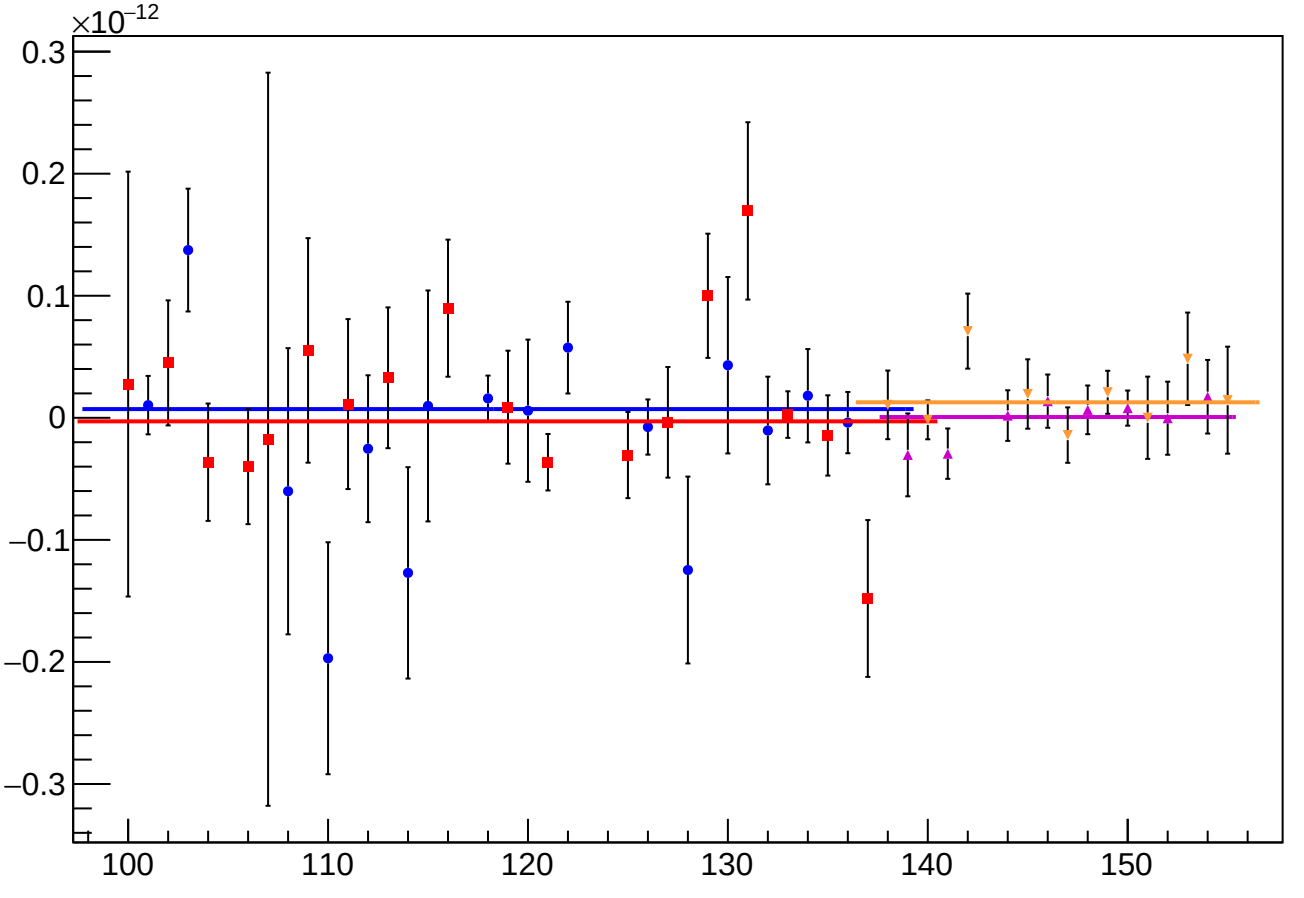
Left In: 67.746+/-0.019 χ^2/NDF:471195.1/7

+ sign 66.800+/-0.013 χ^2/NDF: 1414984.8/24

All: 67.406+/-0.009 χ^2/NDF: 2520593.6/50

- sign 68.032+/-0.013 χ^2/NDF: 1101320.8/25

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:7.1/8

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

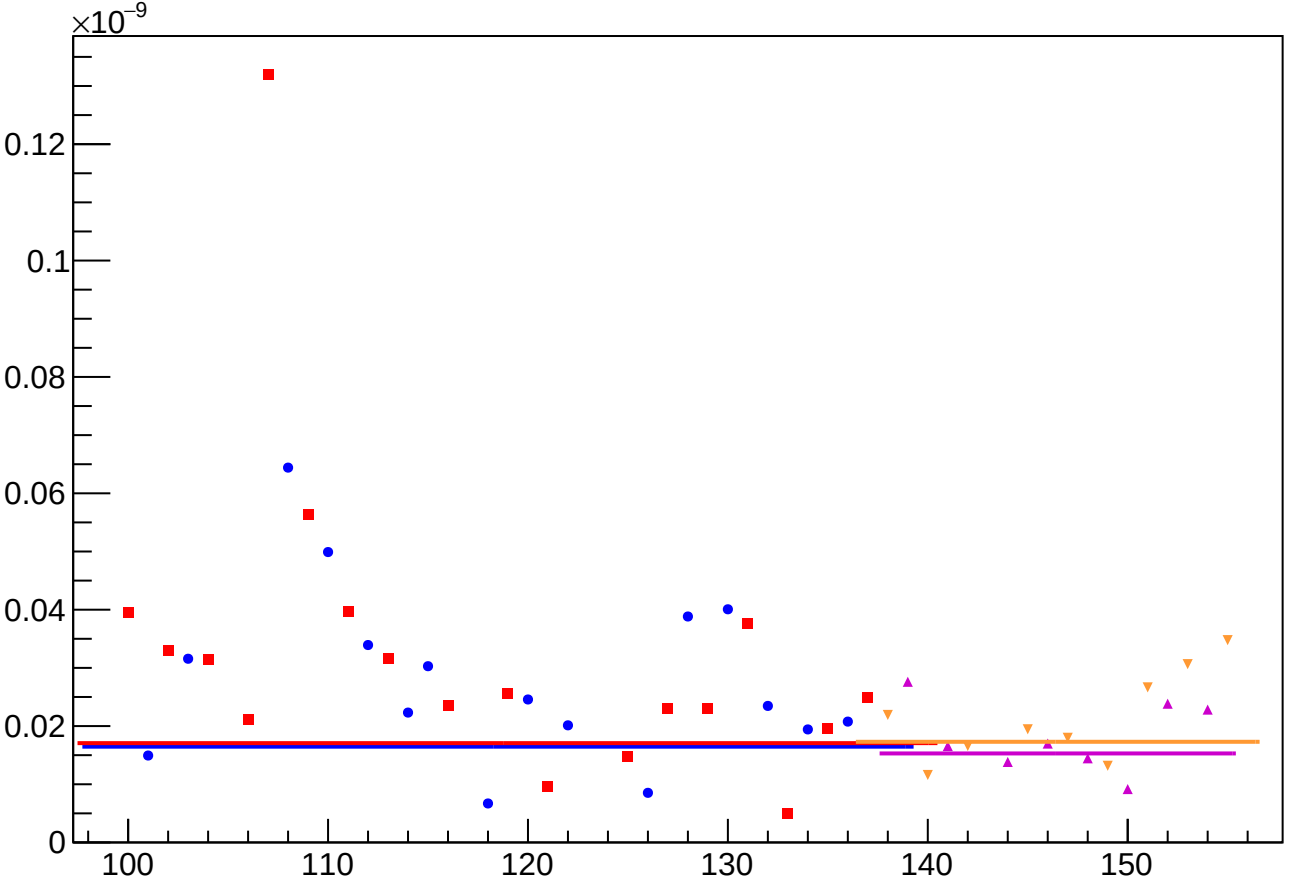
Left In: 0.000+/-0.000 χ^2/NDF:4.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 27.8/24

All: 0.000+/-0.000 χ^2/NDF: 56.8/50

- sign -0.000+/-0.000 χ^2/NDF: 27.4/25

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:1153658.5/8

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

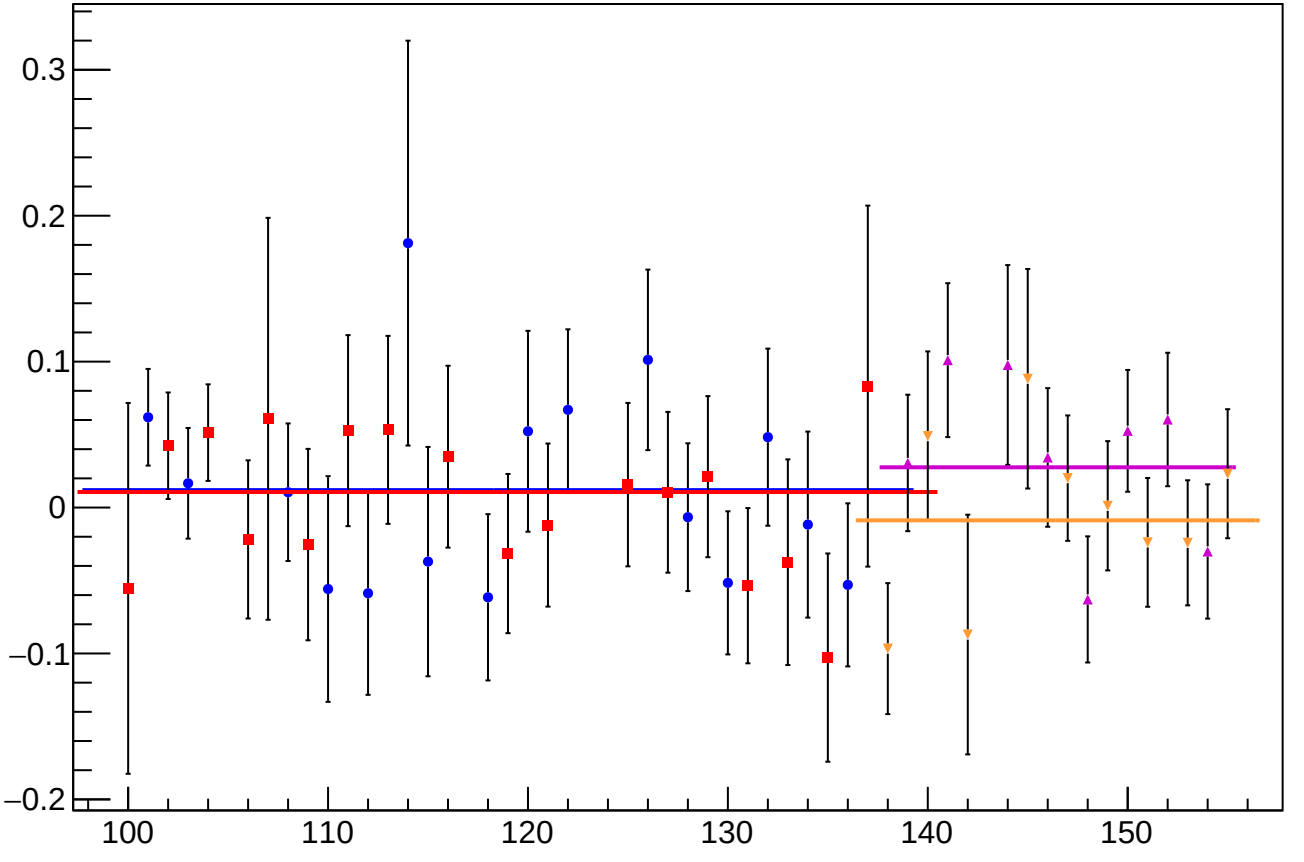
Left In: 0.000+/-0.000 χ^2/NDF:946679.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 3508767.2/24

All: 0.000+/-0.000 χ^2/NDF: 7312557.6/50

- sign 0.000+/-0.000 χ^2/NDF: 3778633.4/25

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.009+/-0.016 χ^2/NDF:8.7/8

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

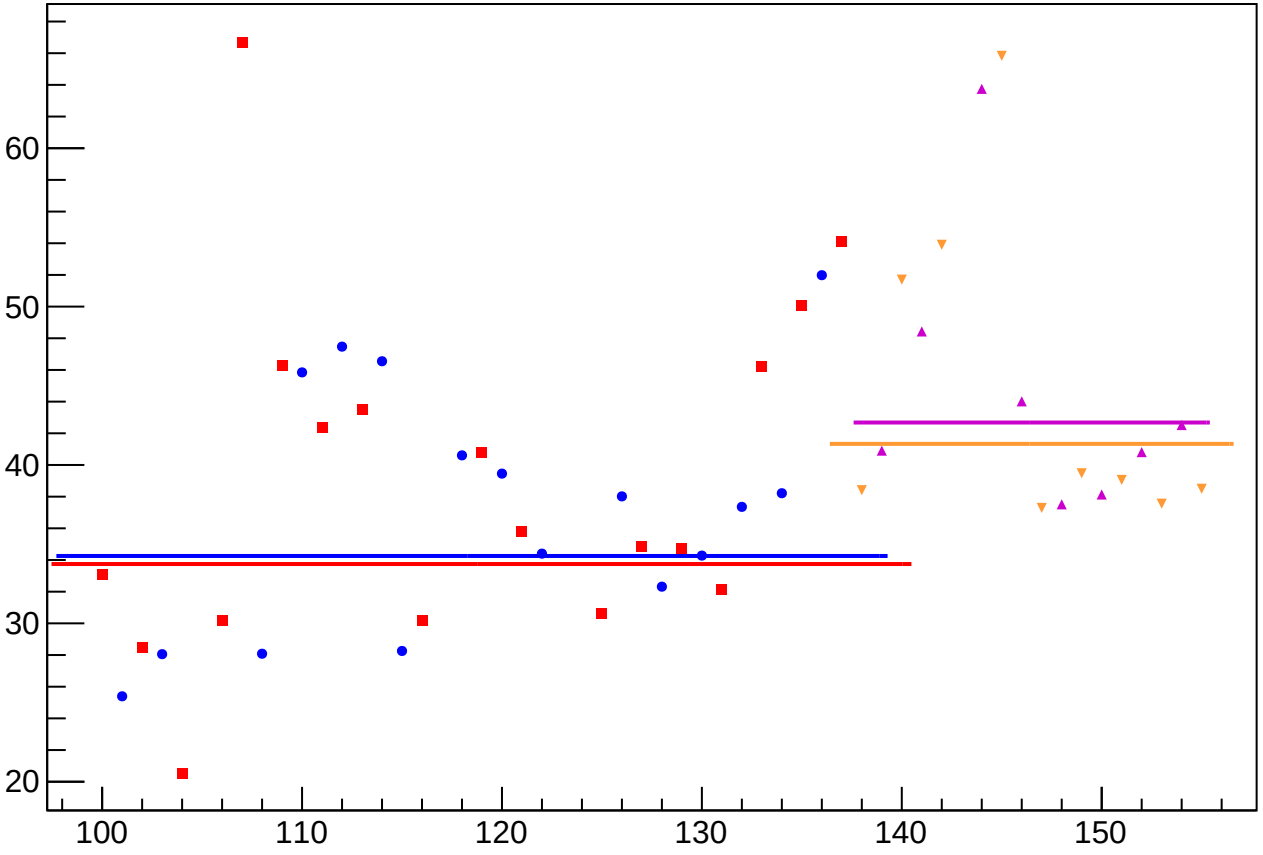
Left In: 0.028+/-0.017 χ^2/NDF:9.8/7

+ sign 0.003+/-0.010 χ^2/NDF: 24.3/24

All: 0.010+/-0.007 χ^2/NDF: 45.6/50

- sign 0.017+/-0.011 χ^2/NDF: 20.4/25

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.333+/-0.012 χ^2/NDF:381532.5/8

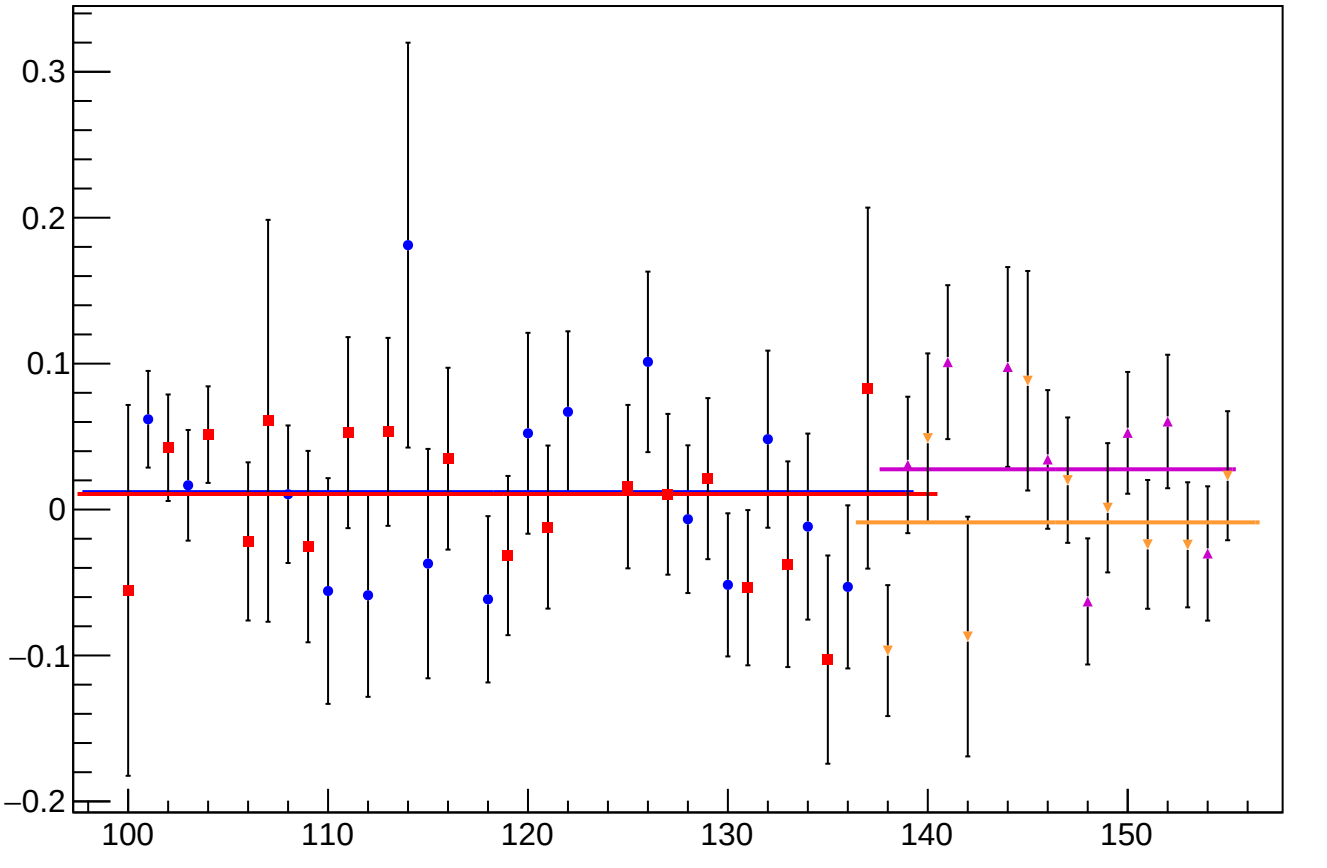
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 42.680+/-0.012 χ^2/NDF:273261.3/7

\+ sign 37.151+/-0.007 χ^2/NDF: 1238840.0/24

All: 37.189+/-0.005 χ^2/NDF: 2768340.8/50

\- sign 37.227+/-0.007 χ^2/NDF: 1529448.1/25



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

Left Out: -0.009+/-0.016 χ^2/NDF:8.7/8

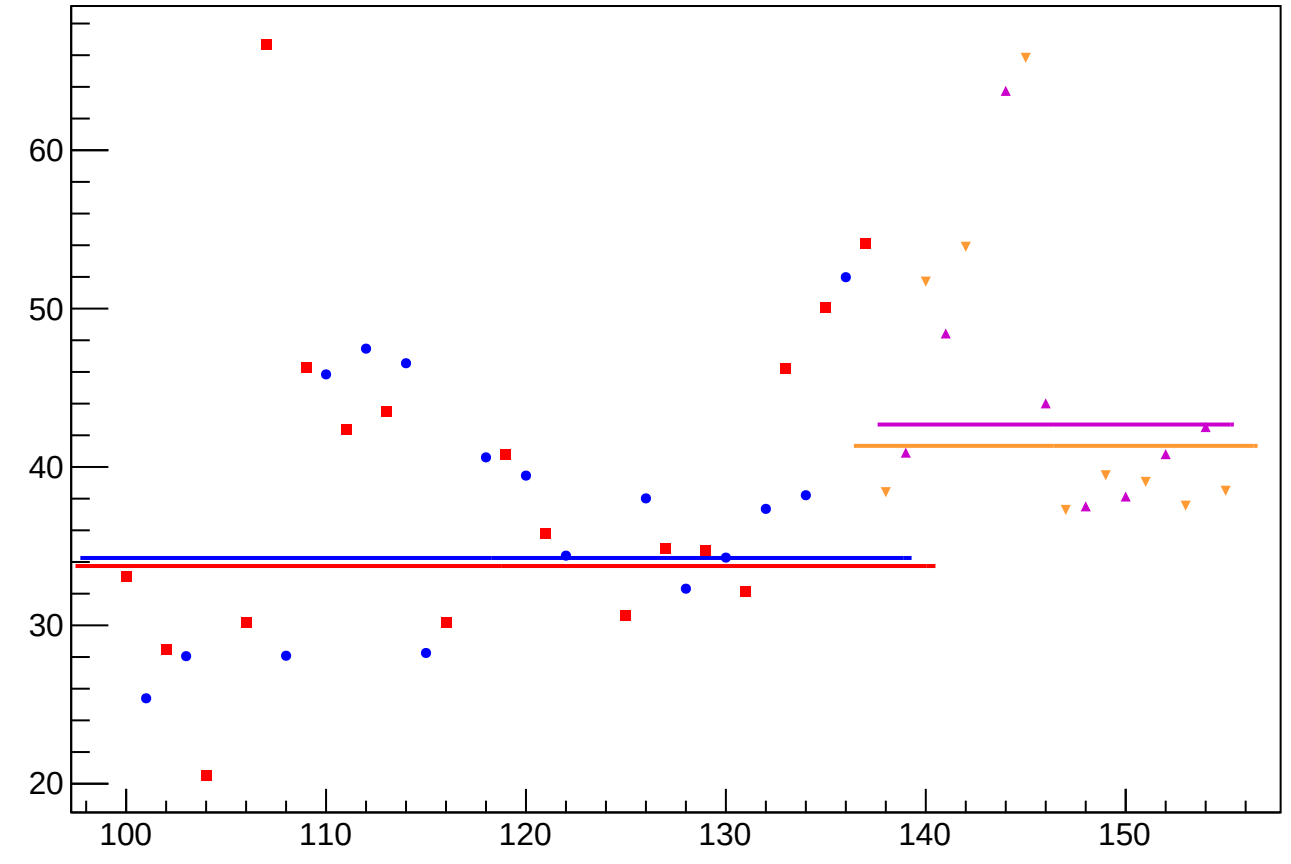
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.028+/-0.017 χ^2/NDF:9.8/7

+ sign 0.003+/-0.010 χ^2/NDF: 24.3/24

All: 0.010+/-0.007 χ^2/NDF: 45.6/50

- sign 0.017+/-0.011 χ^2/NDF: 20.4/25



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.333+/-0.012 χ^2/NDF:381532.5/8

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

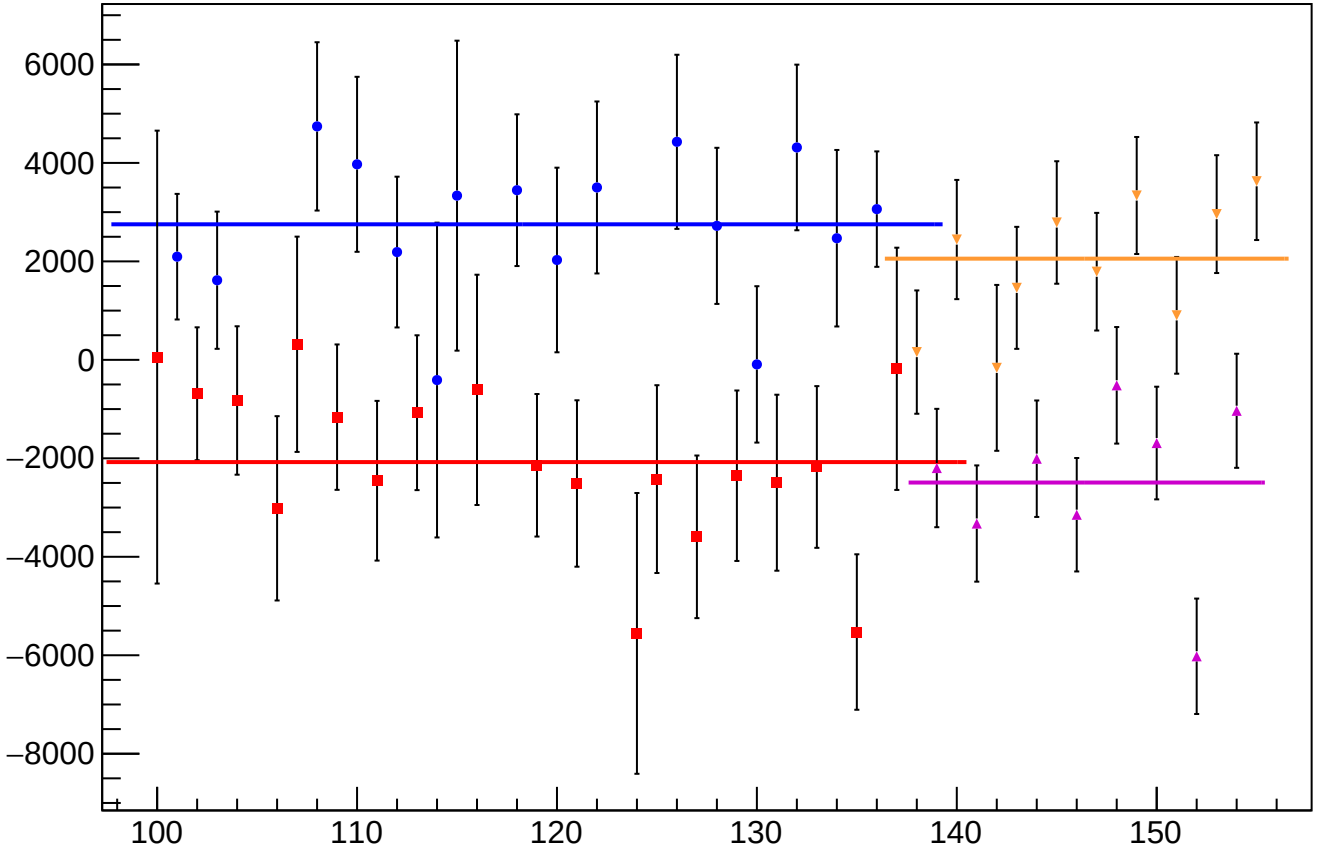
Left In: 42.680+/-0.012 χ^2/NDF:273261.3/7

+ sign 37.151+/-0.007 χ^2/NDF: 1238840.0/24

All: 37.189+/-0.005 χ^2/NDF: 2768340.8/50

- sign 37.227+/-0.007 χ^2/NDF: 1529448.1/25

reg_asym_usr_mean vs Slug



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

Left Out: 2055.360+/-392.576 χ^2/NDF:9.2/9

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

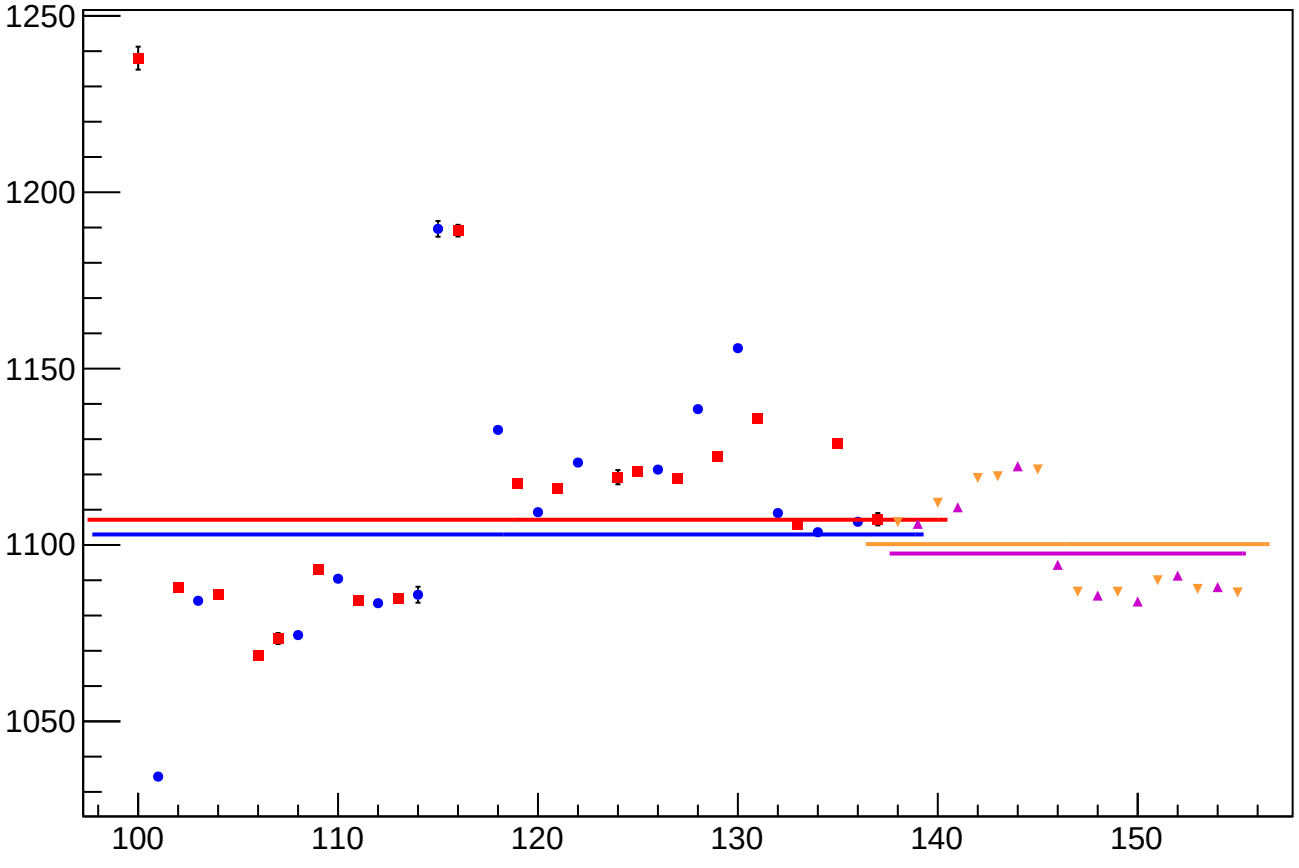
Left In: -2492.005+/-414.243 χ^2/NDF:15.0/7

+ sign 2389.238+/-283.499 χ^2/NDF: 20.2/25

All: 101.209+/-202.432 χ^2/NDF: 181.1/52

- sign -2278.933+/-289.149 χ^2/NDF: 28.0/26

reg_asym_usr_rms vs Slug



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

Left Out: 1100.239+/-0.278 χ^2/NDF:2696.3/9

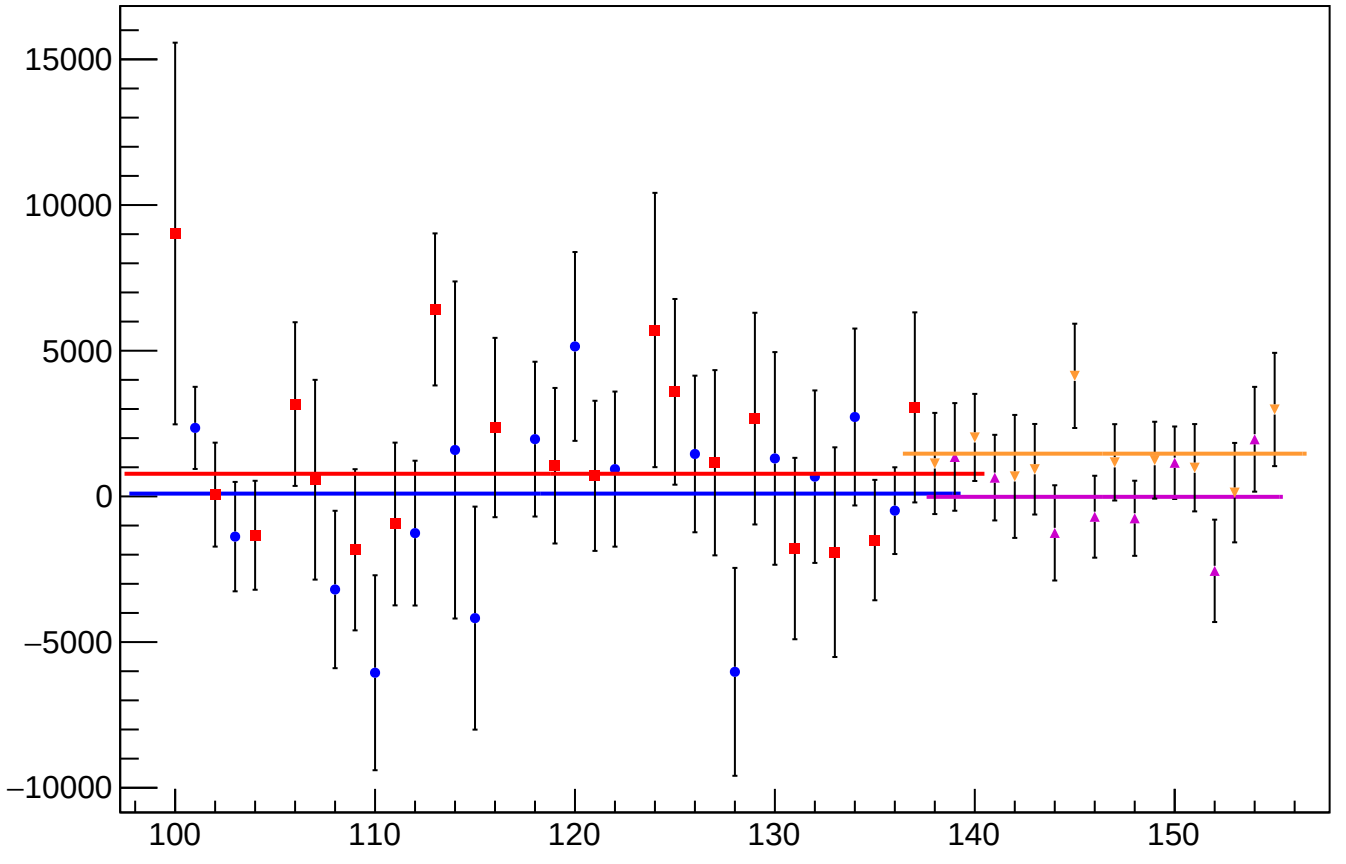
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1097.580+/-0.293 χ^2/NDF:1912.1/7

+ sign 1101.554+/-0.200 χ^2/NDF: 15967.0/25

All: 1102.014+/-0.143 χ^2/NDF: 27121.7/52

- sign 1102.492+/-0.204 χ^2/NDF: 11144.0/26



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

Left Out: 1466.657+/-503.748 χ^2/NDF:4.1/9

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

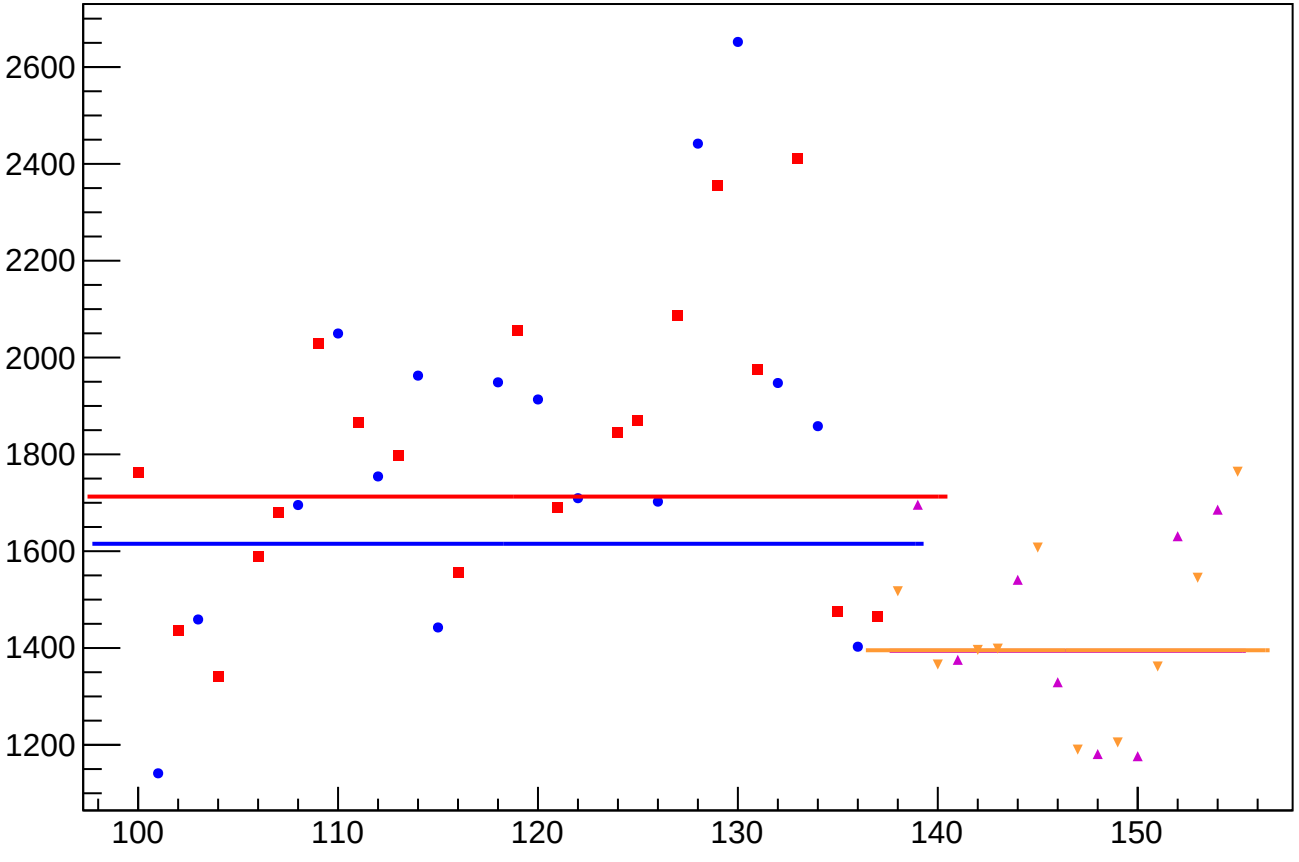
Left In: -14.742+/-533.158 χ^2/NDF:6.1/7

\+ sign 919.582+/-390.487 χ^2/NDF: 23.9/25

All: 629.465+/-282.381 χ^2/NDF: 47.2/52

\- sign 311.436+/-408.840 χ^2/NDF: 22.1/26

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1395.392+/-0.356 χ^2/NDF:217846.2/9

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

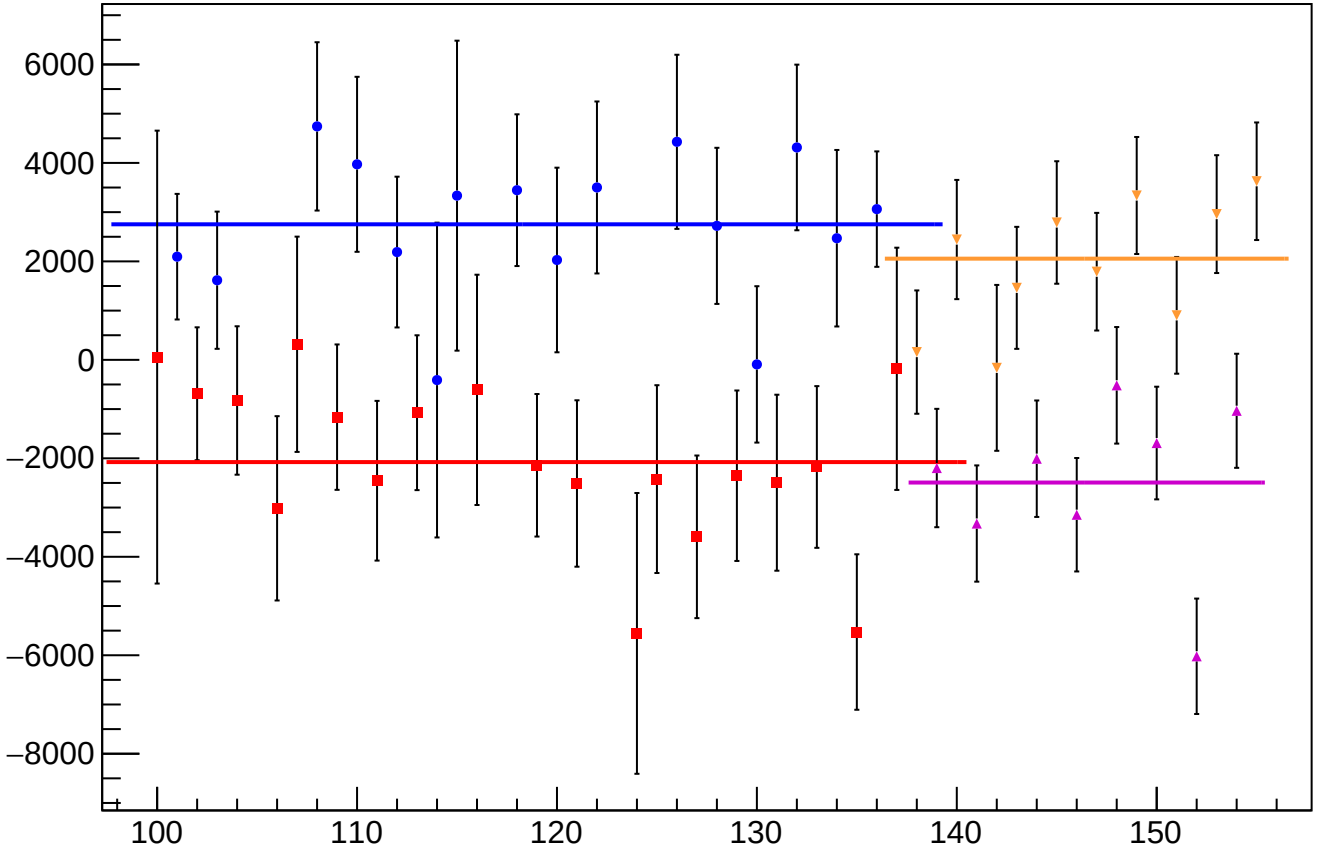
Left In: 1394.175+/-0.377 χ^2/NDF:278914.1/7

+ sign 1483.168+/-0.276 χ^2/NDF: 1063618.1/25

All: 1503.334+/-0.200 χ^2/NDF: 2076048.6/52

- sign 1525.440+/-0.289 χ^2/NDF: 1001249.3/26

cor_asym_usr_mean vs Slug



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

Left Out: 2055.360+/-392.576 χ^2/NDF:9.2/9

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

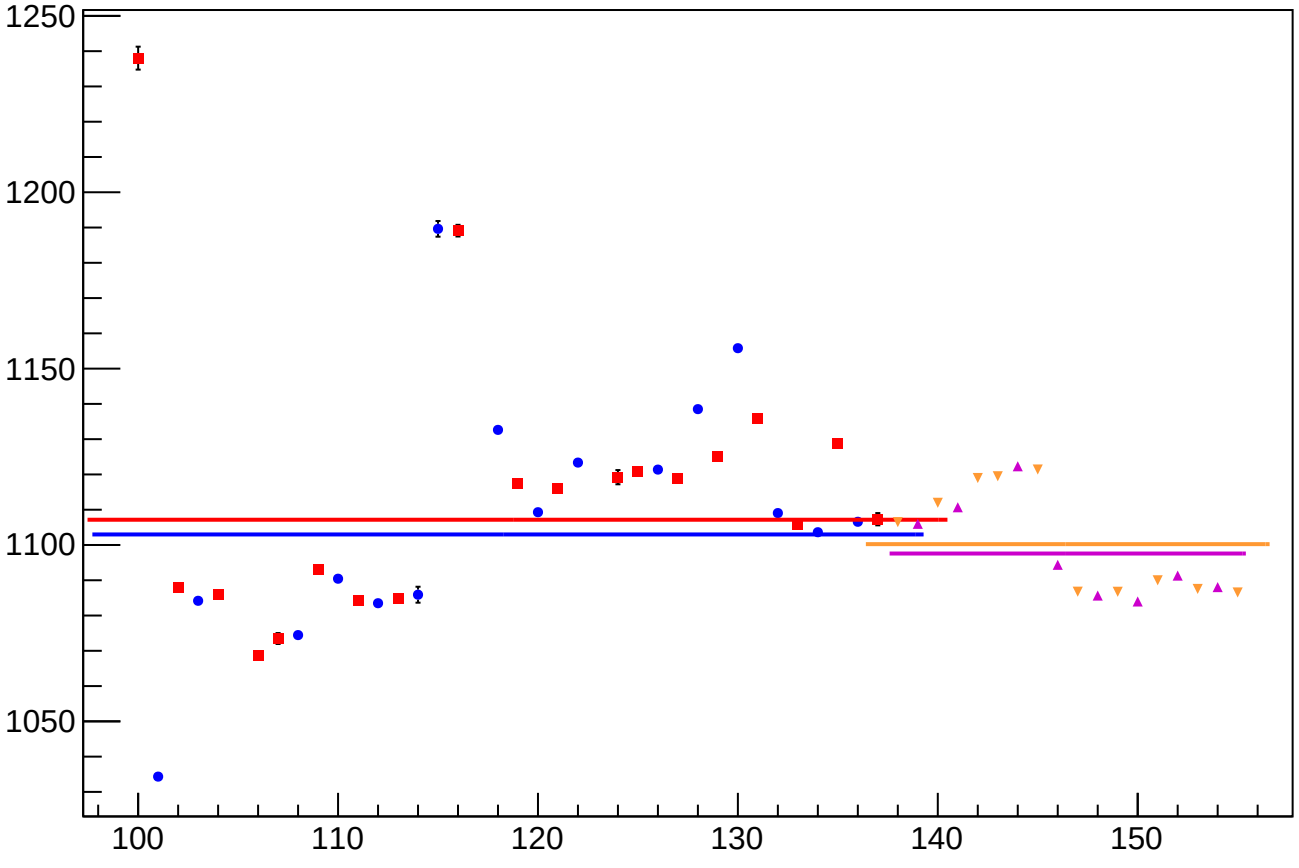
Left In: -2492.005+/-414.243 χ^2/NDF:15.0/7

+ sign 2389.238+/-283.499 χ^2/NDF: 20.2/25

All: 101.209+/-202.432 χ^2/NDF: 181.1/52

- sign -2278.933+/-289.149 χ^2/NDF: 28.0/26

cor_asym_usr_rms vs Slug



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

Left Out: 1100.239+/-0.278 χ^2/NDF:2696.3/9

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

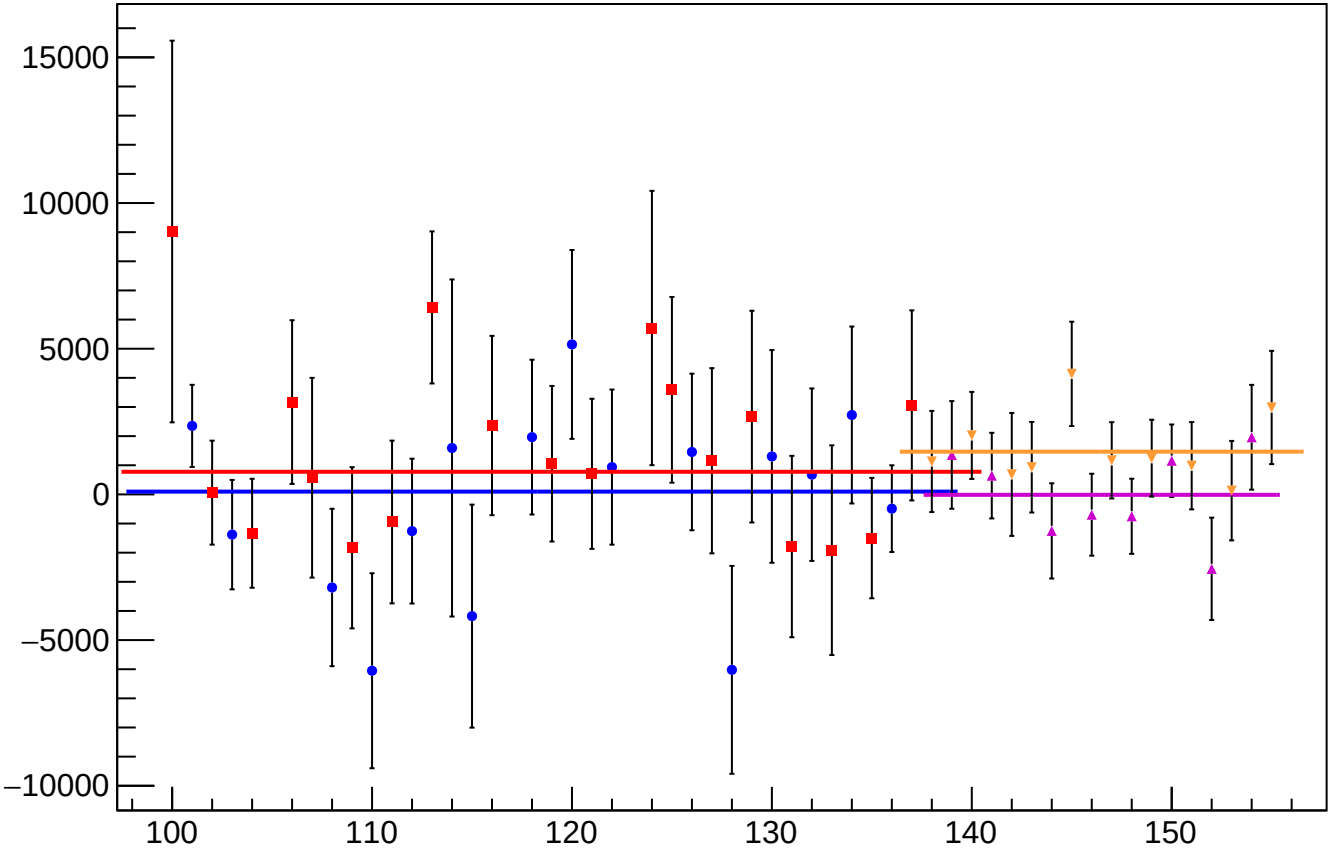
Left In: 1097.580+/-0.293 χ^2/NDF:1912.1/7

+ sign 1101.554+/-0.200 χ^2/NDF: 15967.0/25

All: 1102.014+/-0.143 χ^2/NDF: 27121.7/52

- sign 1102.492+/-0.204 χ^2/NDF: 11144.0/26

asym_usr_cor_correction_mean vs Slug



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

Left Out: 1466.657+/-503.748 χ^2/NDF:4.1/9

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

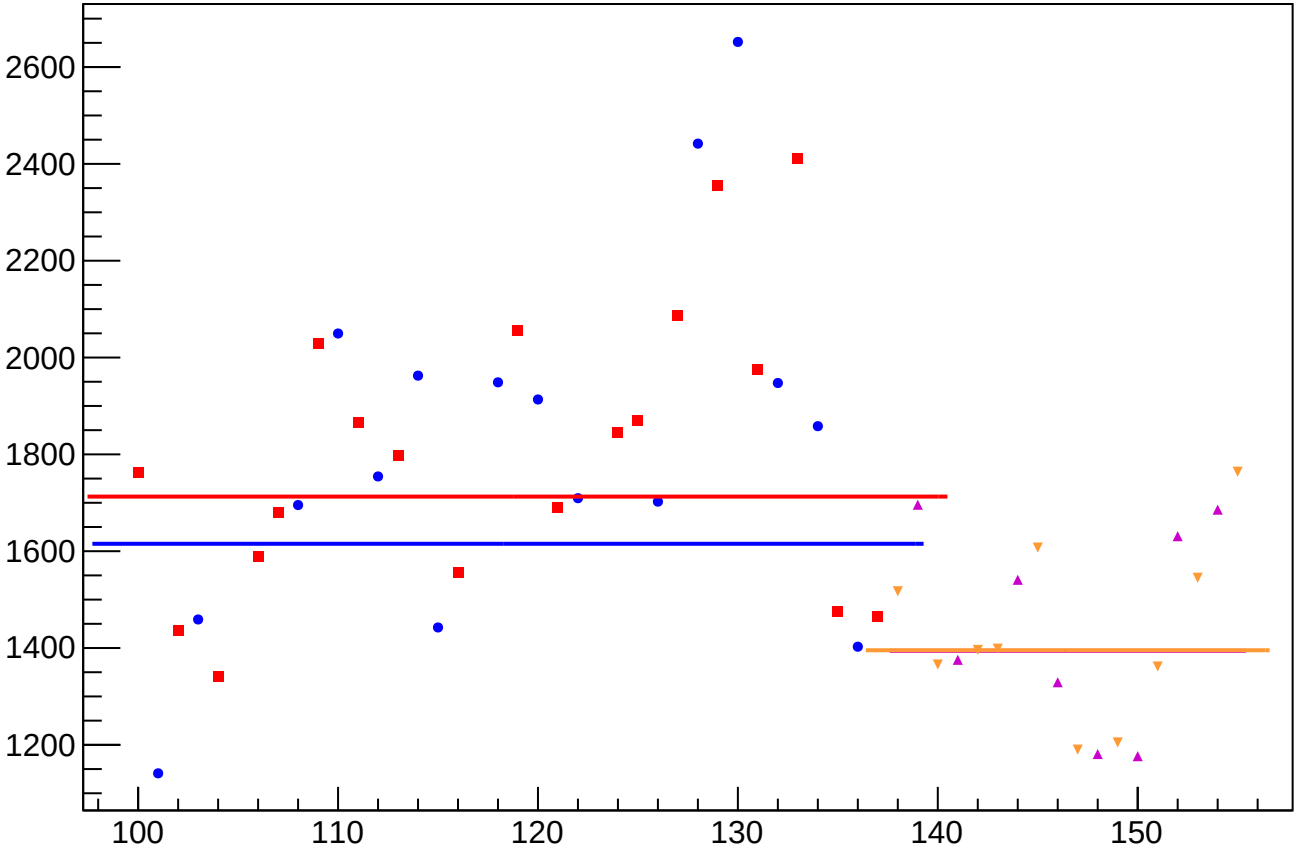
Left In: -14.742+/-533.158 χ^2/NDF:6.1/7

\+ sign 919.582+/-390.487 χ^2/NDF: 23.9/25

All: 629.465+/-282.381 χ^2/NDF: 47.2/52

\- sign 311.436+/-408.840 χ^2/NDF: 22.1/26

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1395.392+/-0.356 χ^2/NDF:217846.2/9

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

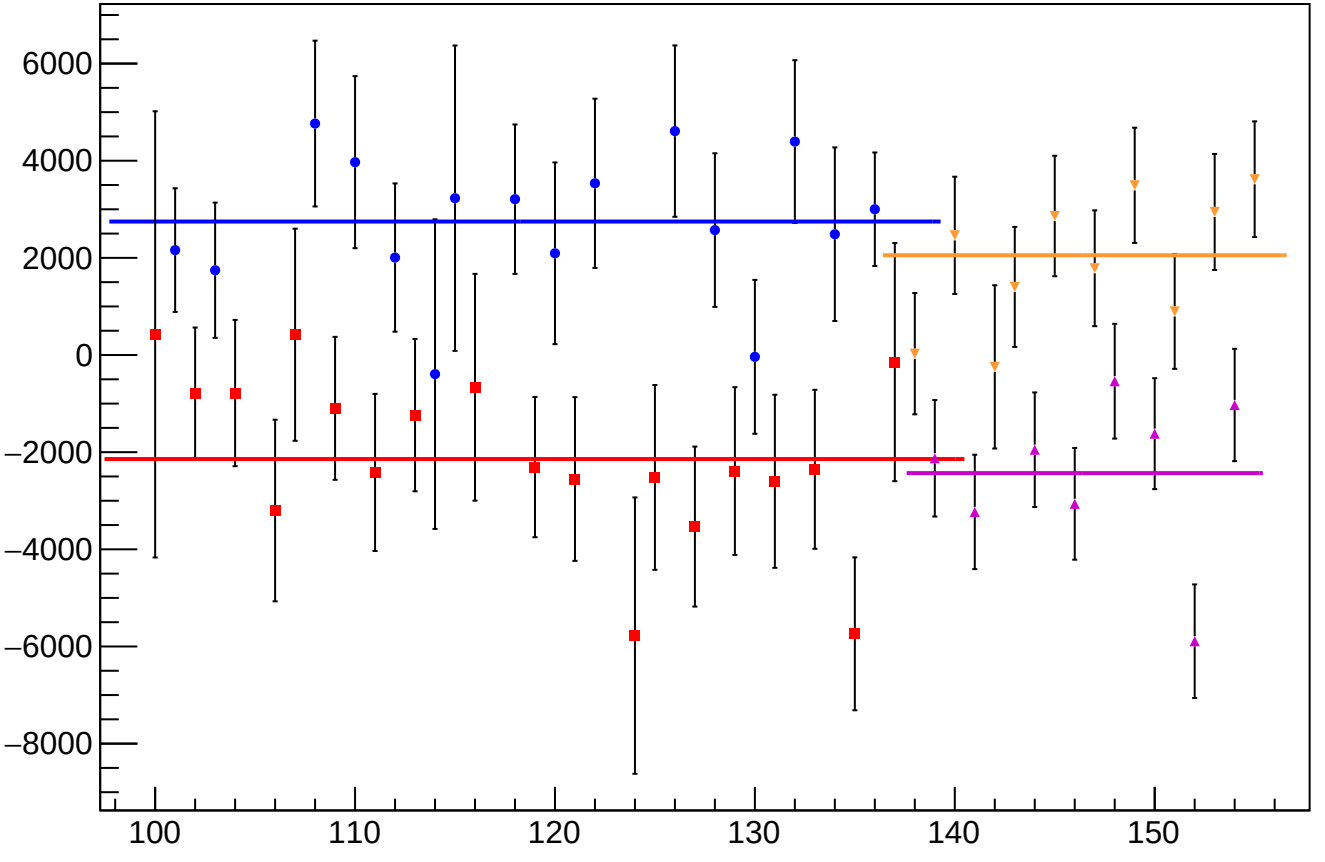
Left In: 1394.175+/-0.377 χ^2/NDF:278914.1/7

+ sign 1483.168+/-0.276 χ^2/NDF: 1063618.1/25

All: 1503.334+/-0.200 χ^2/NDF: 2076048.6/52

- sign 1525.440+/-0.289 χ^2/NDF: 1001249.3/26

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2054.399+/-391.533 χ^2/NDF:10.1/9

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

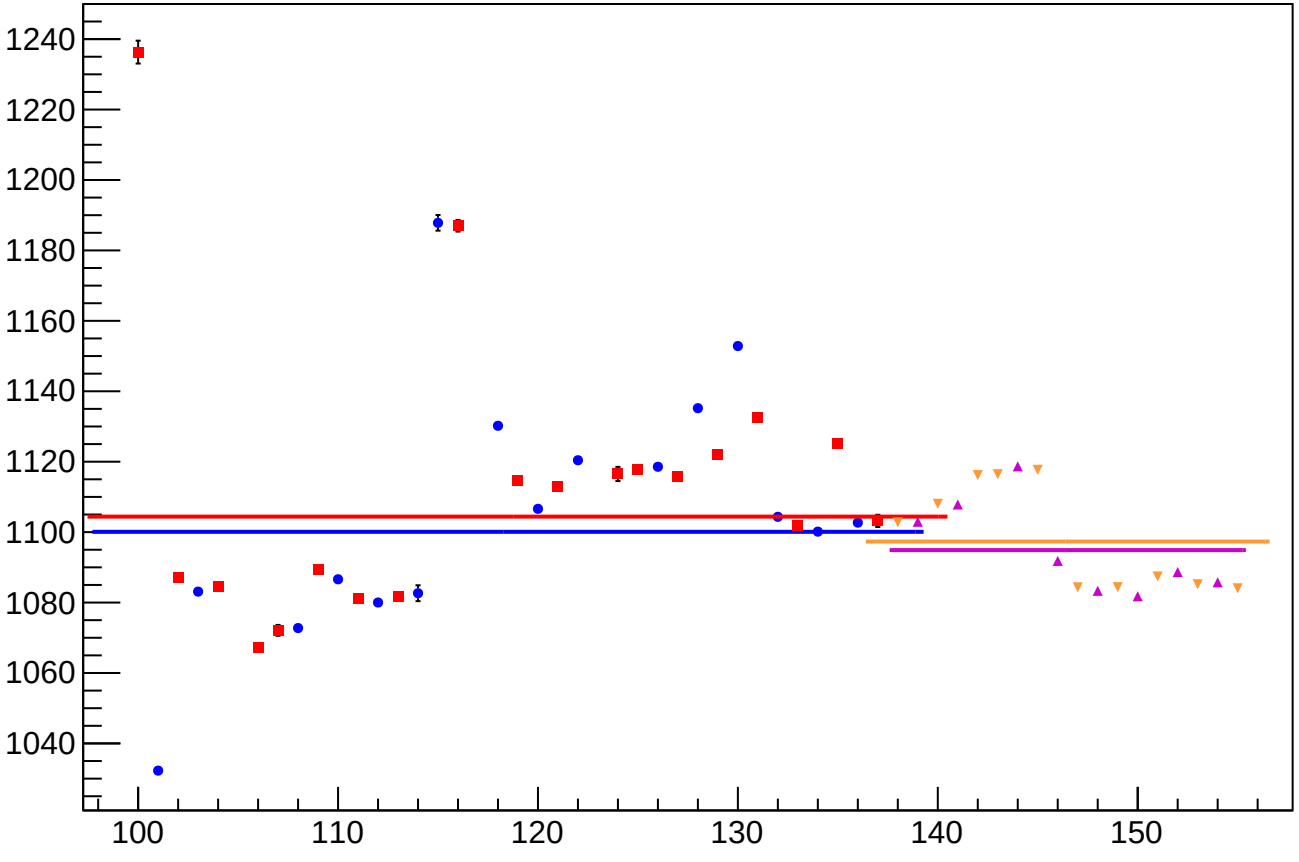
Left In: -2430.824+/-413.228 χ^2/NDF:14.3/7

+ sign 2386.248+/-282.750 χ^2/NDF: 21.1/25

All: 98.440+/-201.914 χ^2/NDF: 182.8/52

- sign -2282.292+/-288.435 χ^2/NDF: 28.1/26

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1097.324+/-0.277 χ^2/NDF:2538.4/9

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

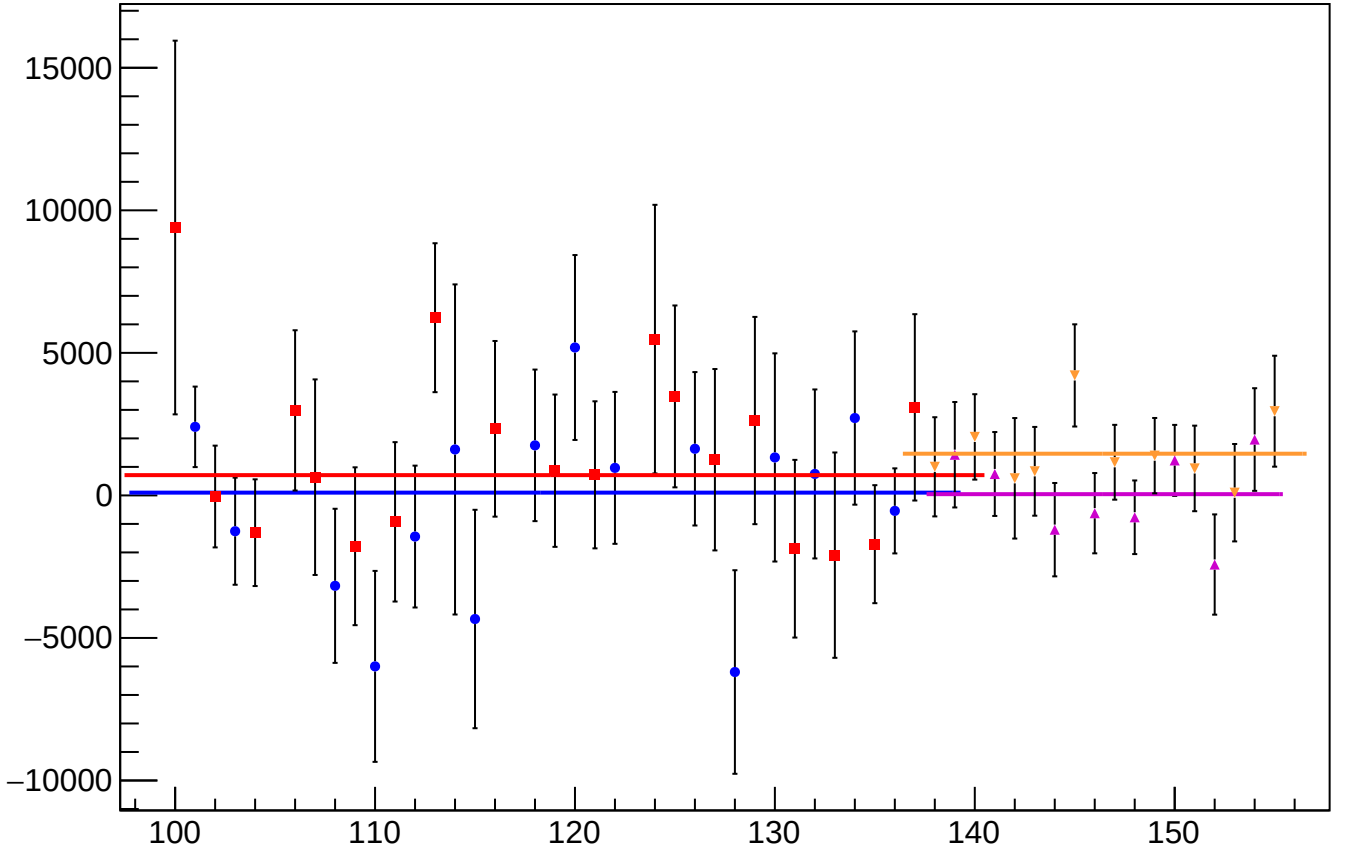
Left In: 1094.897+/-0.292 χ^2/NDF:1797.4/7

+ sign 1098.647+/-0.200 χ^2/NDF: 15663.4/25

All: 1099.198+/-0.143 χ^2/NDF: 26562.5/52

- sign 1099.771+/-0.204 χ^2/NDF: 10883.6/26

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1462.781+/-504.597 χ^2/NDF:4.3/9

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

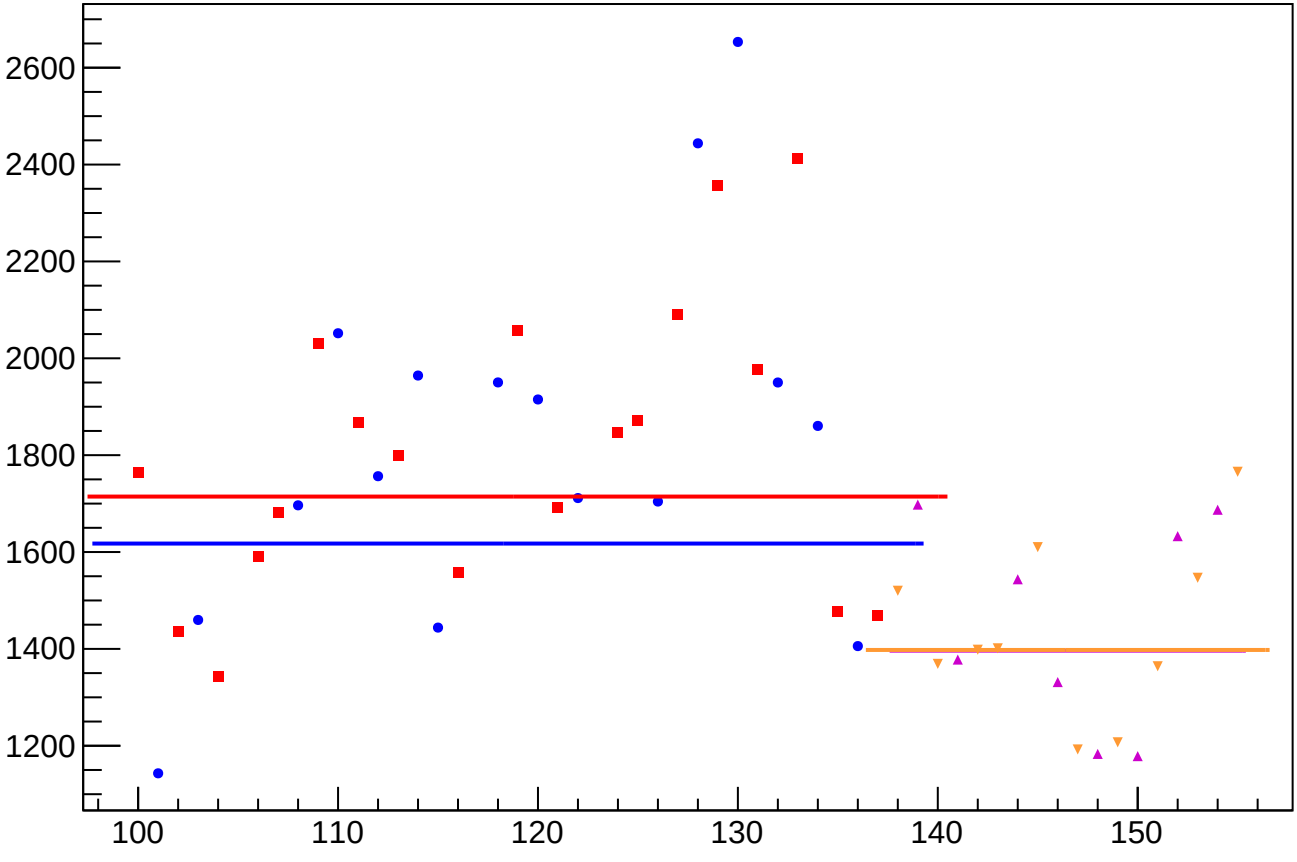
Left In: 43.795+/-533.977 χ^2/NDF:6.0/7

\+ sign 917.568+/-391.080 χ^2/NDF: 24.5/25

All: 631.941+/-282.781 χ^2/NDF: 47.1/52

\- sign 318.968+/-409.373 χ^2/NDF: 21.6/26

asym_usr_overload_cor_correction_rms vs Slug



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

Left Out: 1397.814+/-0.357 χ^2/NDF:217029.0/9

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

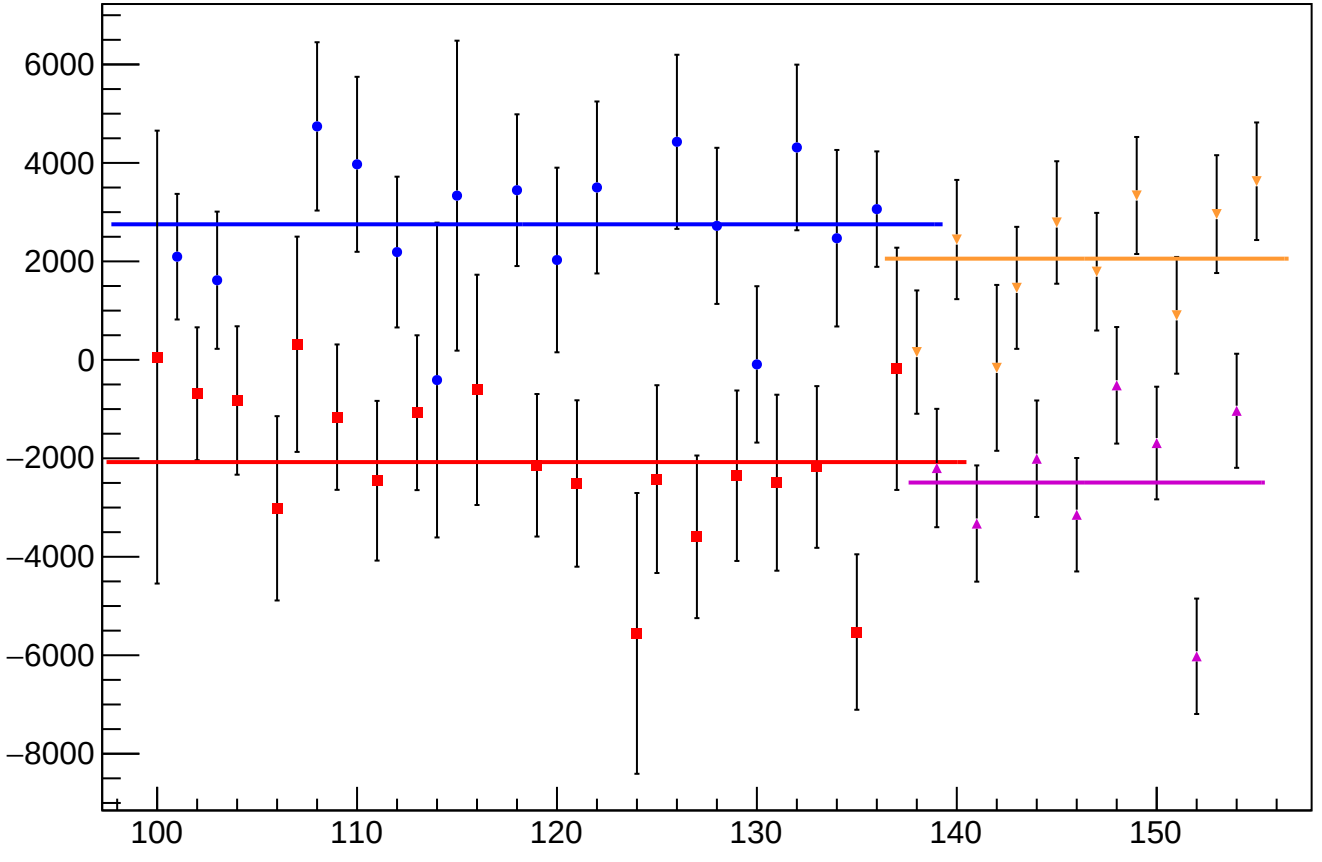
Left In: 1396.384+/-0.378 χ^2/NDF:277932.4/7

+ sign 1485.536+/-0.277 χ^2/NDF: 1060121.9/25

All: 1505.574+/-0.200 χ^2/NDF: 2069409.6/52

- sign 1527.530+/-0.289 χ^2/NDF: 998284.0/26

eigen_cor_asym_usr_mean vs Slug



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

Left Out: 2055.360+/-392.576 χ^2/NDF:9.2/9

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

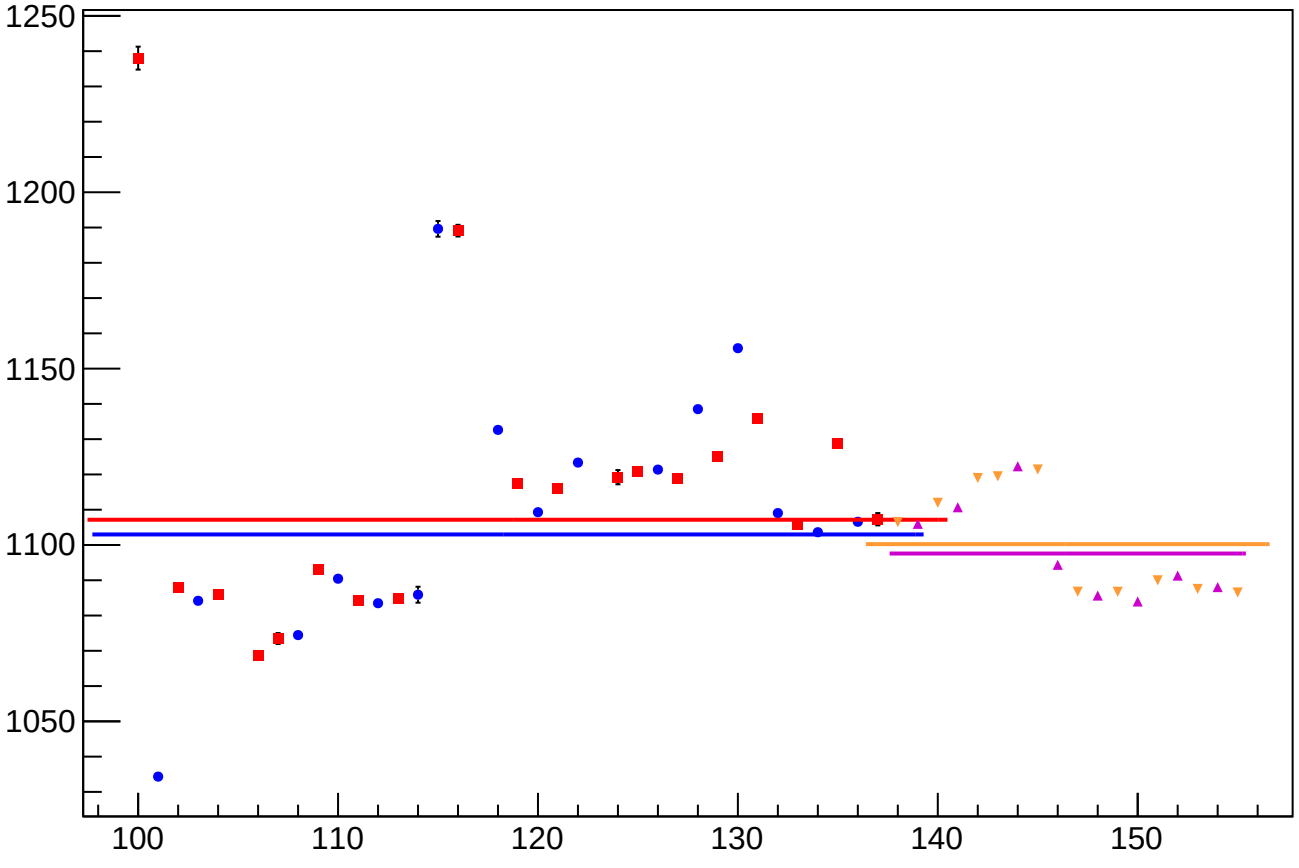
Left In: -2492.005+/-414.243 χ^2/NDF:15.0/7

+ sign 2389.238+/-283.499 χ^2/NDF: 20.2/25

All: 101.209+/-202.432 χ^2/NDF: 181.1/52

- sign -2278.933+/-289.149 χ^2/NDF: 28.0/26

eigen_cor_asym_usr_rms vs Slug



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

Left Out: 1100.239+/-0.278 χ^2/NDF:2696.3/9

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

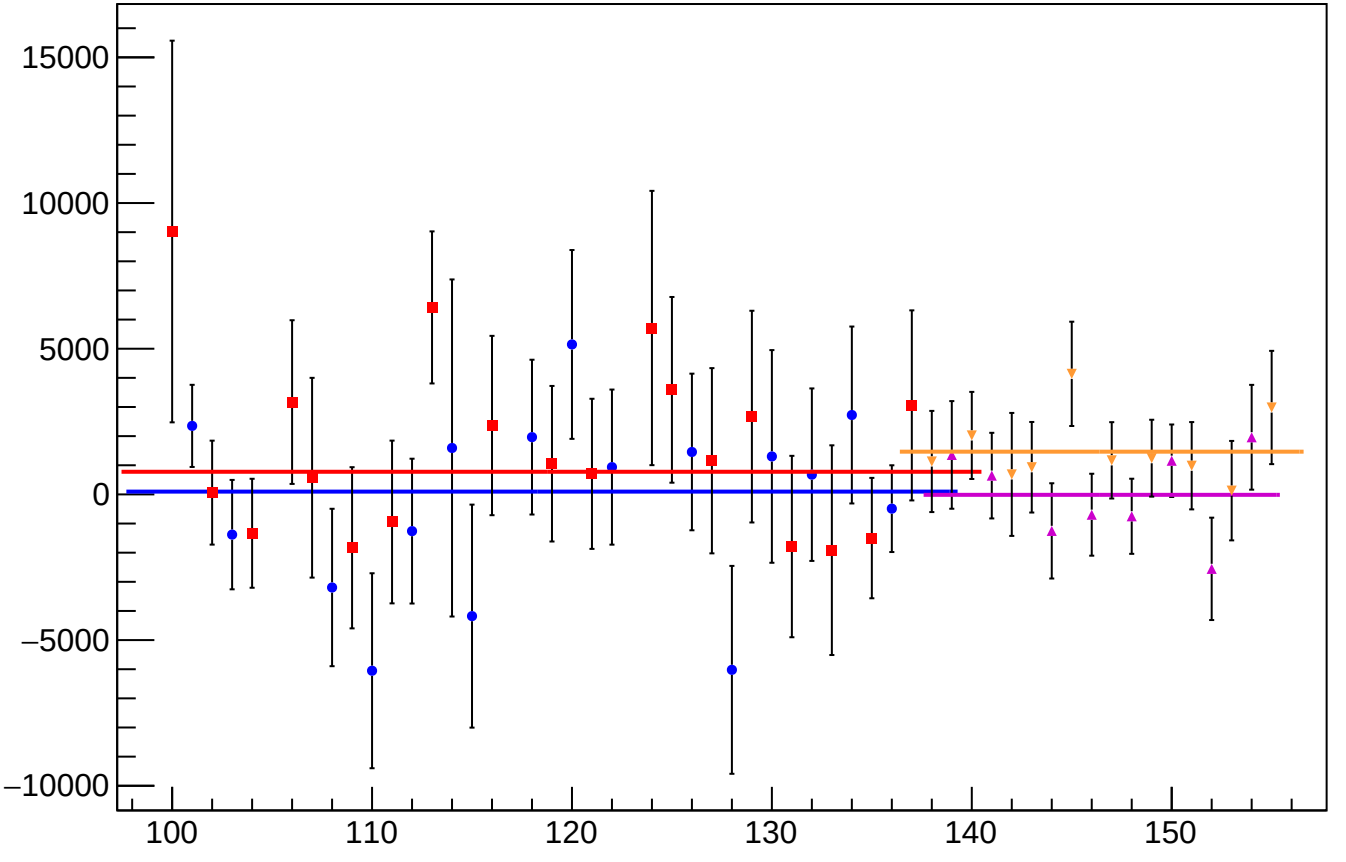
Left In: 1097.580+/-0.293 χ^2/NDF:1912.1/7

+ sign 1101.554+/-0.200 χ^2/NDF: 15967.0/25

All: 1102.014+/-0.143 χ^2/NDF: 27121.7/52

- sign 1102.492+/-0.204 χ^2/NDF: 11144.0/26

asym_usr_eigen_cor_correction_mean vs Slug



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

Left Out: 1466.657+/-503.748 χ^2/NDF:4.1/9

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

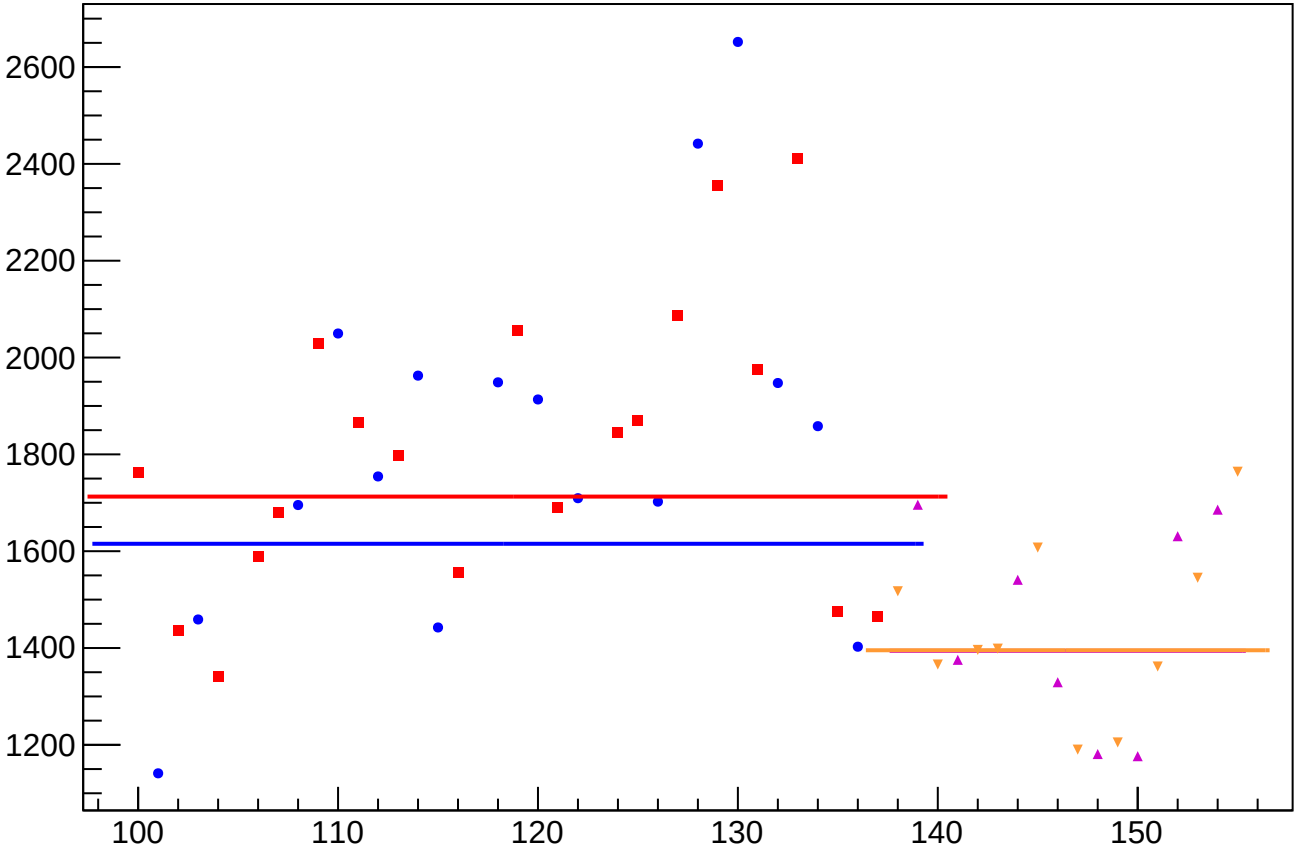
Left In: -14.742+/-533.158 χ^2/NDF:6.1/7

+ sign 919.582+/-390.487 χ^2/NDF: 23.9/25

All: 629.465+/-282.381 χ^2/NDF: 47.2/52

- sign 311.436+/-408.840 χ^2/NDF: 22.1/26

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1395.392+/-0.356 χ^2/NDF:217846.2/9

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

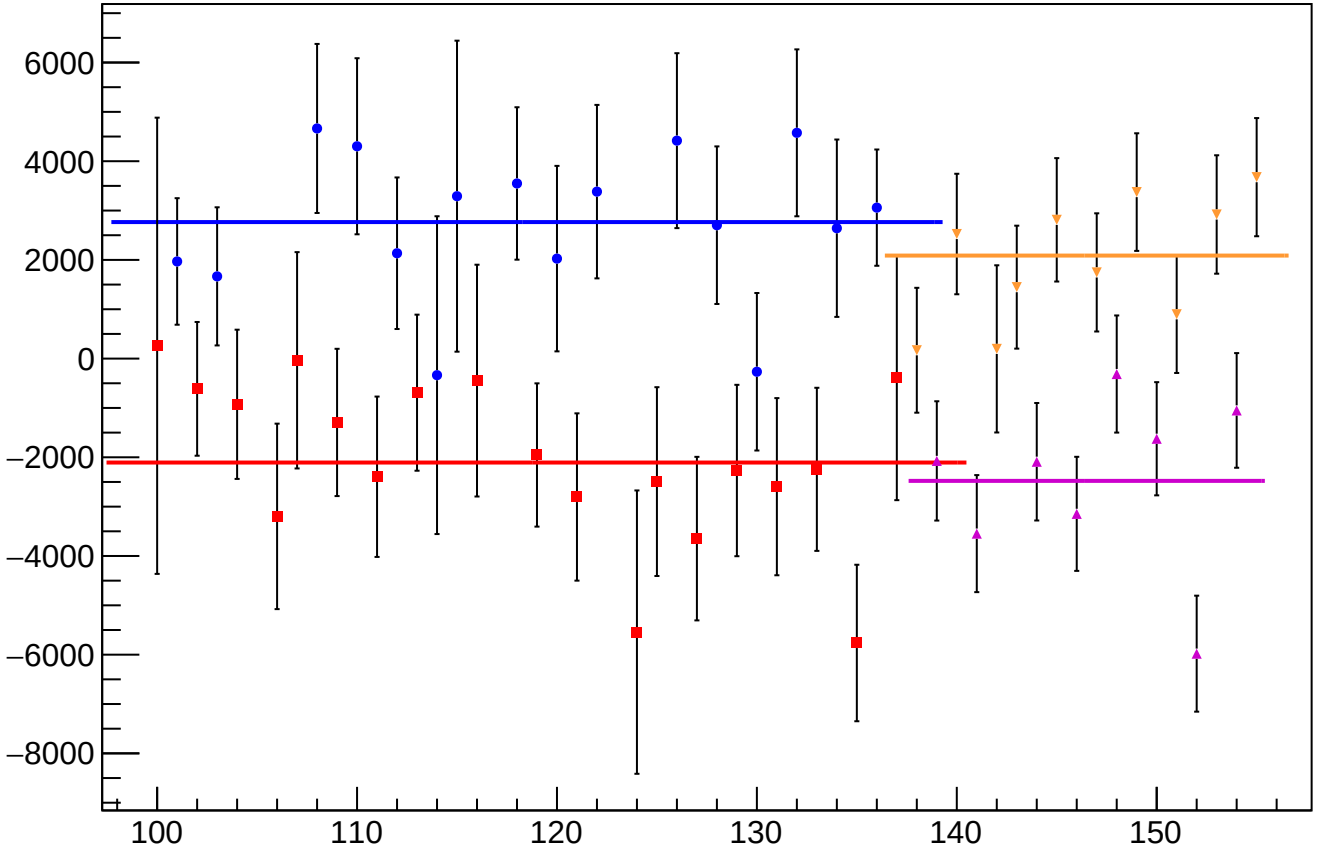
Left In: 1394.175+/-0.377 χ^2/NDF:278914.1/7

+ sign 1483.168+/-0.276 χ^2/NDF: 1063618.1/25

All: 1503.334+/-0.200 χ^2/NDF: 2076048.6/52

- sign 1525.440+/-0.289 χ^2/NDF: 1001249.3/26

dit_asym_usr_mean vs Slug



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

Left Out: 2087.793+/-394.417 χ^2/NDF:8.8/9

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

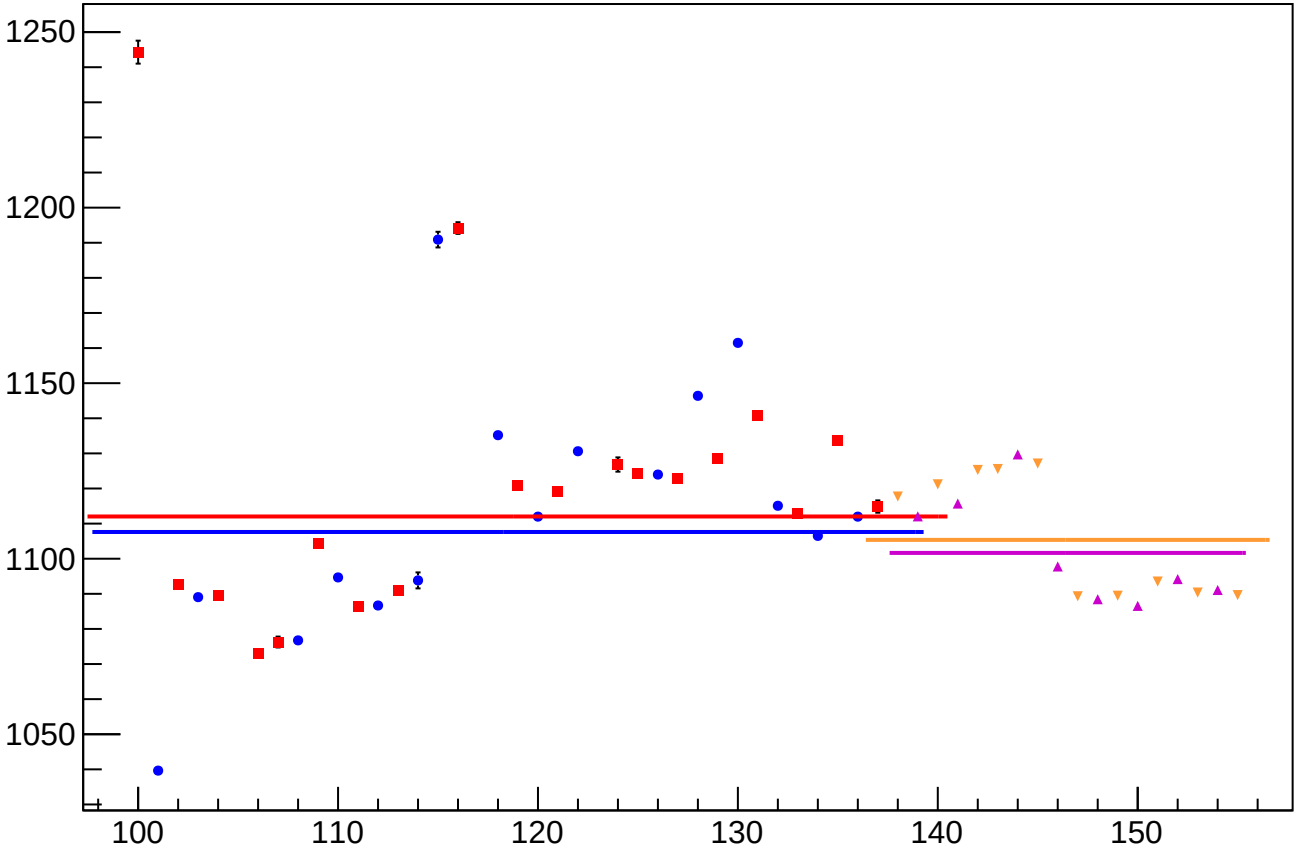
Left In: -2478.112+/-415.792 χ^2/NDF:15.6/7

+ sign 2412.790+/-284.764 χ^2/NDF: 20.5/25

All: 108.109+/-203.299 χ^2/NDF: 183.5/52

- sign -2287.616+/-290.334 χ^2/NDF: 29.4/26

dit_asym_usr_rms vs Slug



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

Left Out: 1105.363+/-0.279 χ^2/NDF:3506.4/9

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

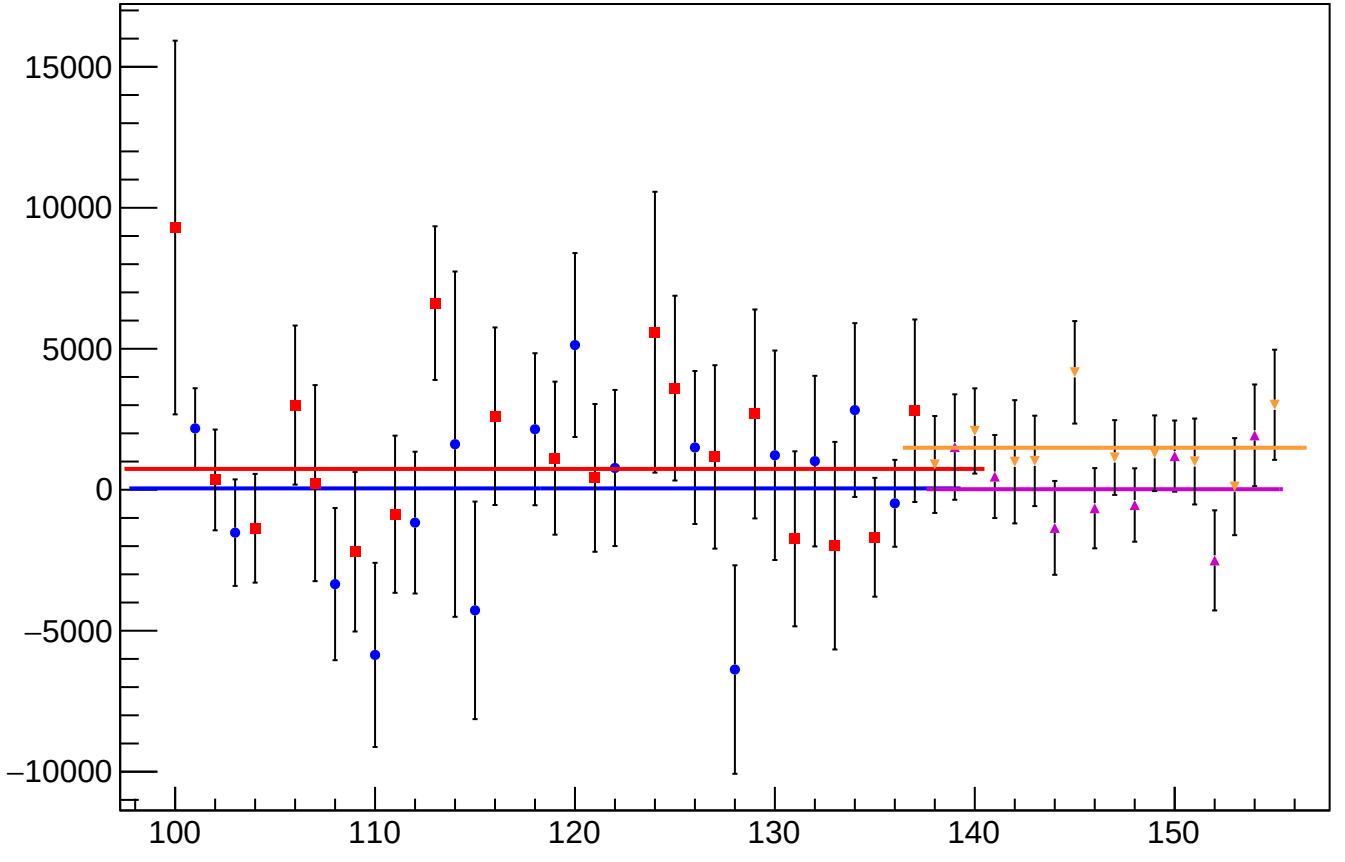
Left In: 1101.652+/-0.294 χ^2/NDF:2402.0/7

+ sign 1106.440+/-0.201 χ^2/NDF: 16758.4/25

All: 1106.700+/-0.144 χ^2/NDF: 28455.6/52

- sign 1106.969+/-0.205 χ^2/NDF: 11693.9/26

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1489.894+/-510.909 χ^2/NDF:4.0/9

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

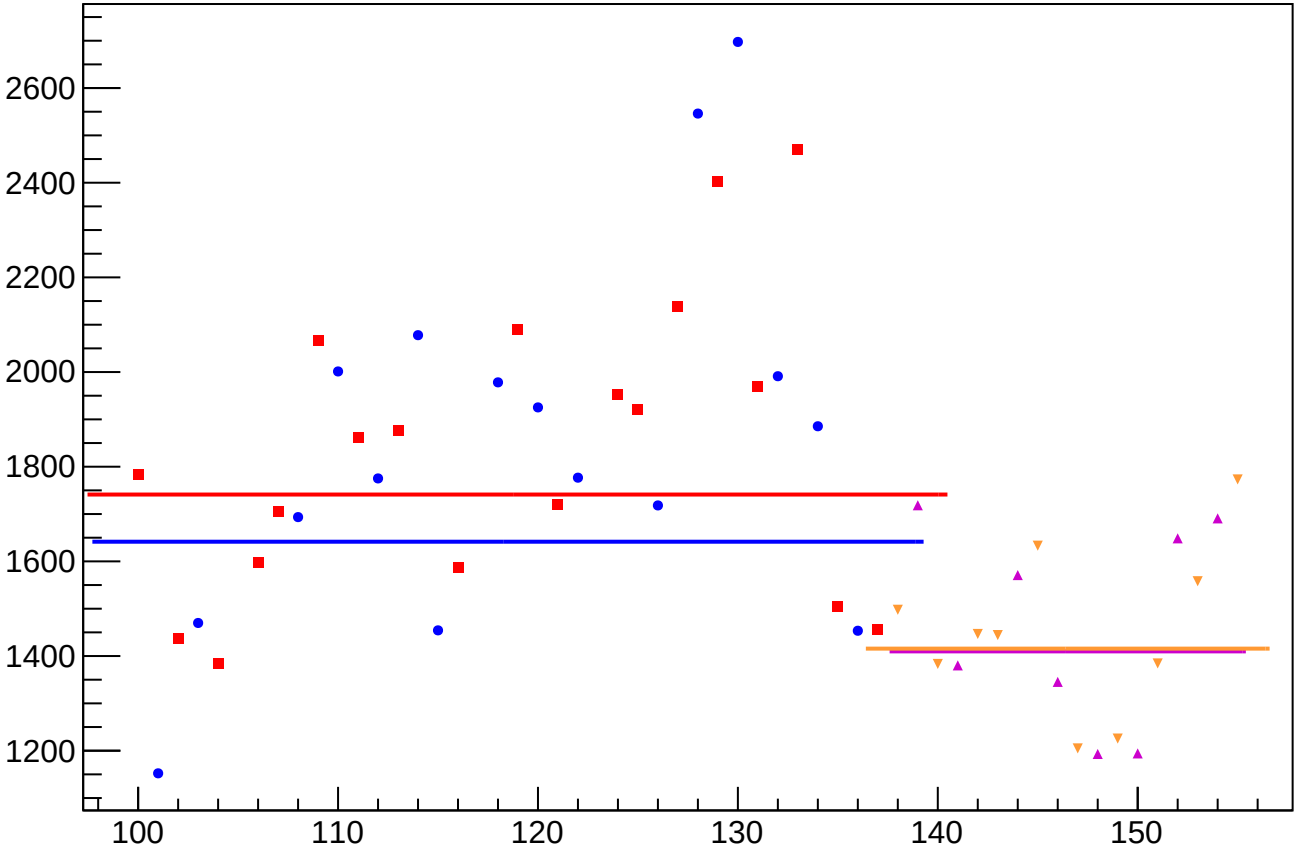
Left In: 19.128+/-538.888 χ^2/NDF:5.8/7

+ sign 915.631+/-396.335 χ^2/NDF: 24.1/25

All: 627.754+/-286.385 χ^2/NDF: 46.7/52

- sign 313.217+/-414.281 χ^2/NDF: 21.5/26

asym_usr_dit_correction_rms vs Slug



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

Left Out: 1415.654+/-0.361 χ^2/NDF:207304.4/9

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

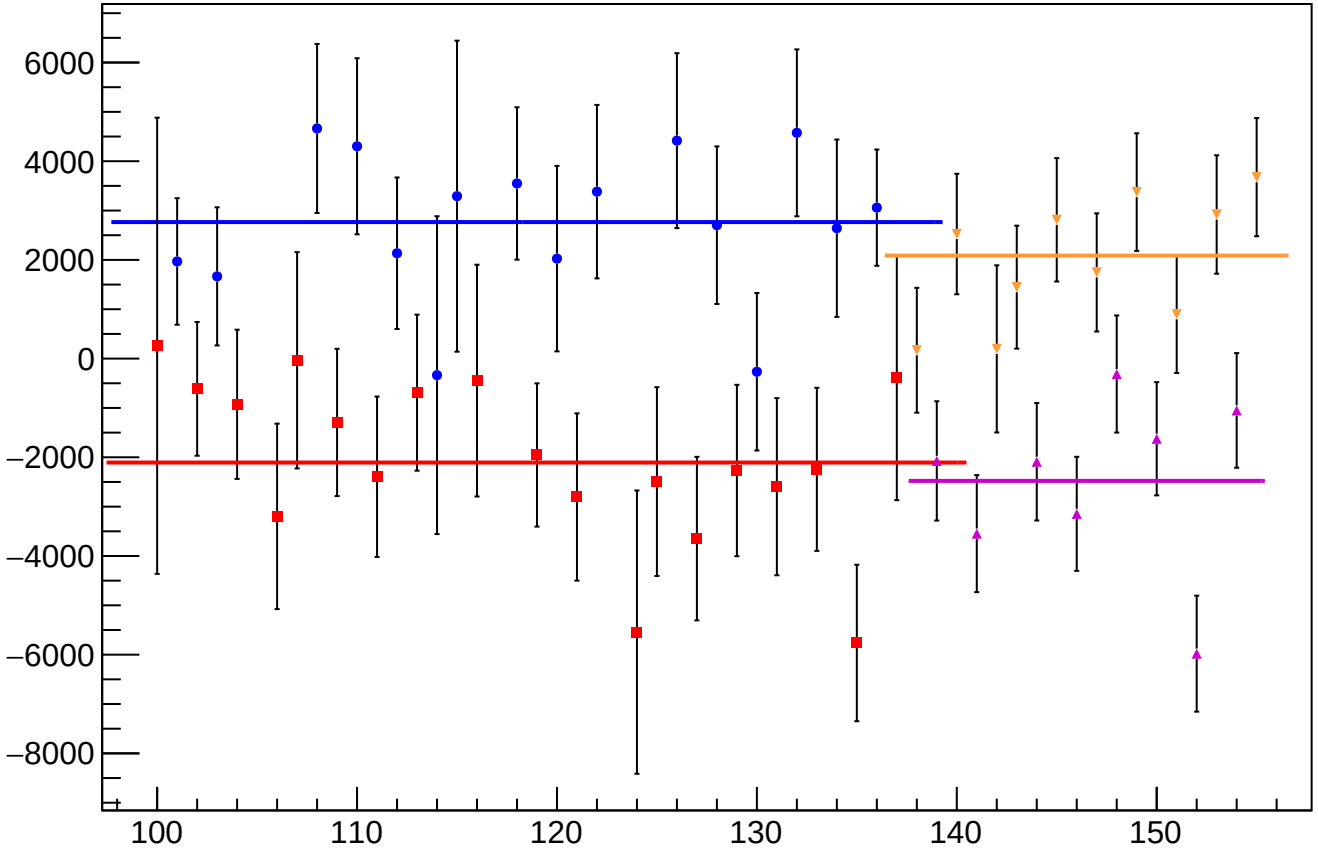
Left In: 1409.846+/-0.381 χ^2/NDF:276650.0/7

+ sign 1505.606+/-0.280 χ^2/NDF: 1064296.2/25

All: 1524.606+/-0.203 χ^2/NDF: 2098168.5/52

- sign 1545.367+/-0.293 χ^2/NDF: 1024253.2/26

eigen_dit_asym_usr_mean vs Slug



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

Left Out: 2087.793+/-394.417 χ^2/NDF:8.8/9

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

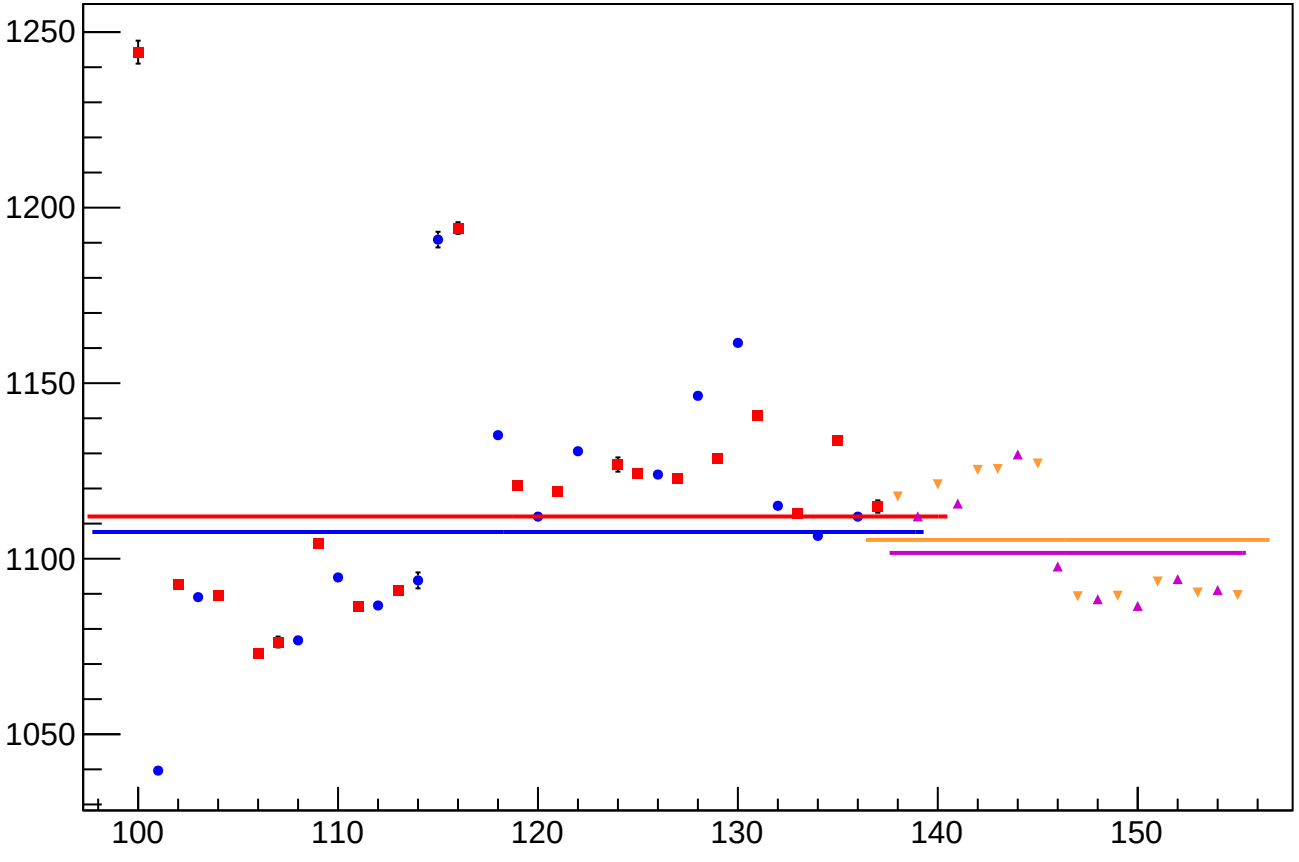
Left In: -2478.111+/-415.792 χ^2/NDF:15.6/7

+ sign 2412.790+/-284.764 χ^2/NDF: 20.5/25

All: 108.108+/-203.299 χ^2/NDF: 183.5/52

- sign -2287.617+/-290.334 χ^2/NDF: 29.4/26

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1105.363+/-0.279 χ^2/NDF:3506.4/9

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

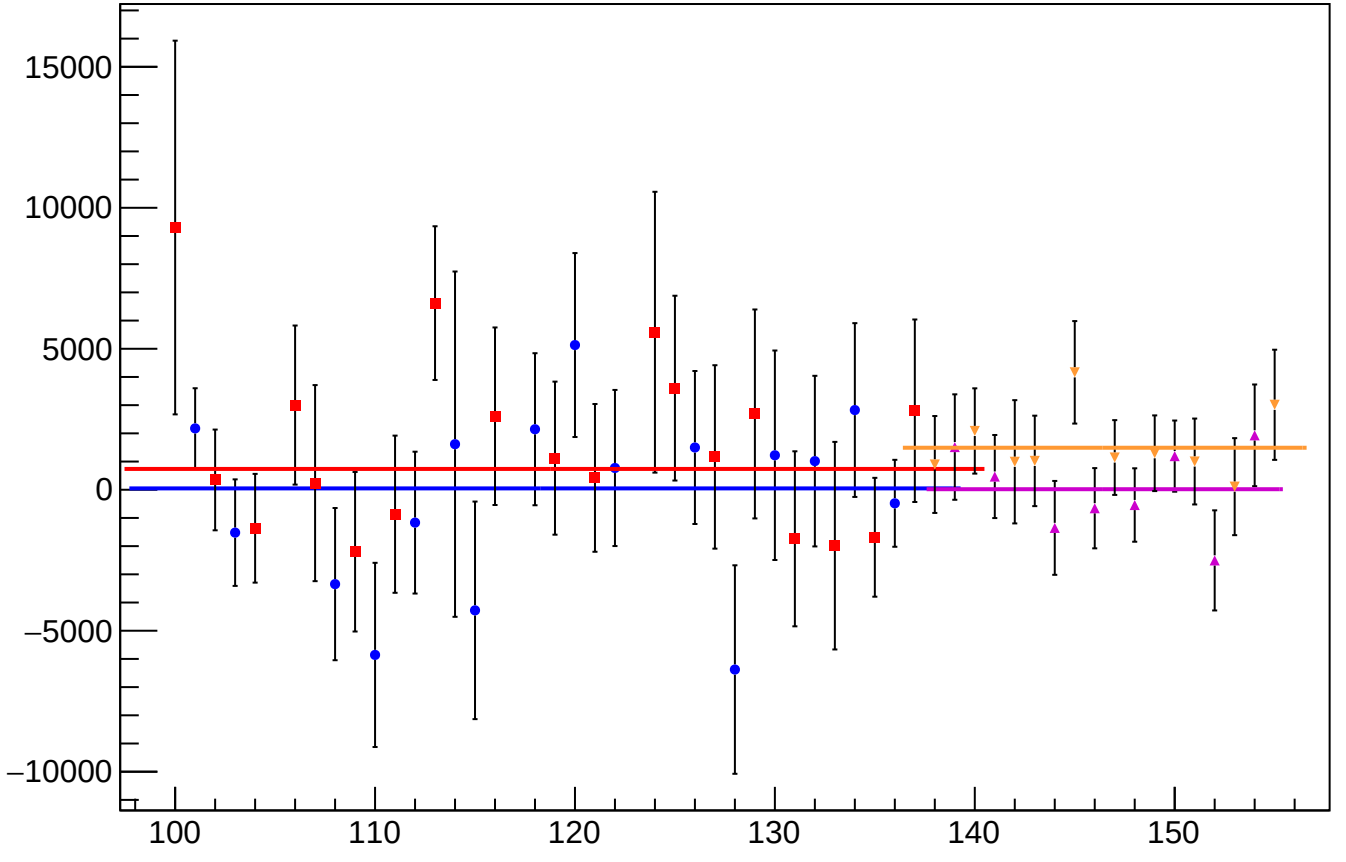
Left In: 1101.652+/-0.294 χ^2/NDF:2402.0/7

+ sign 1106.440+/-0.201 χ^2/NDF: 16758.2/25

All: 1106.700+/-0.144 χ^2/NDF: 28455.5/52

- sign 1106.969+/-0.205 χ^2/NDF: 11693.8/26

asym_usr_eigen_dit_correction_mean vs Slug



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

Left Out: 1489.894+/-510.910 χ^2/NDF:4.0/9

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

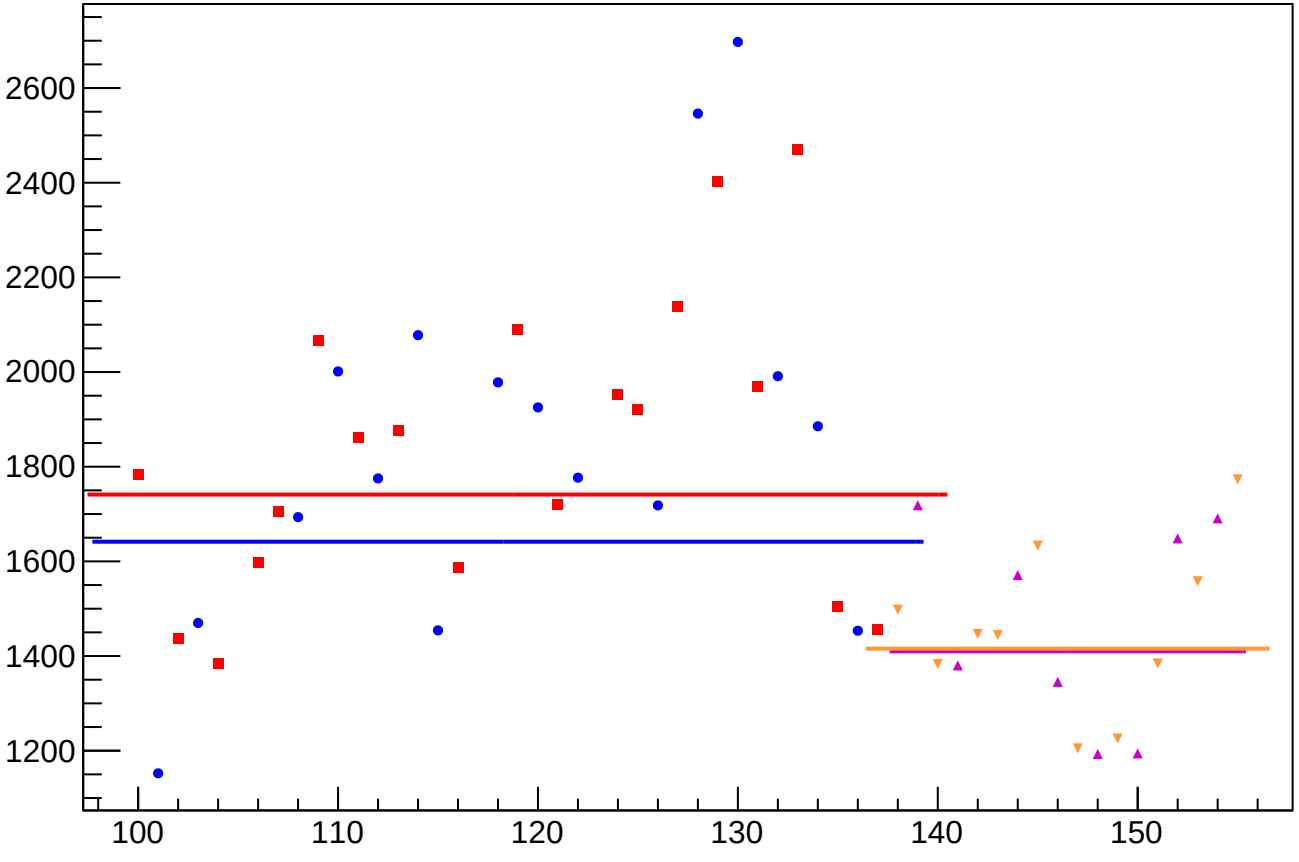
Left In: 19.128+/-538.889 χ^2/NDF:5.8/7

+ sign 915.627+/-396.335 χ^2/NDF: 24.1/25

All: 627.753+/-286.386 χ^2/NDF: 46.7/52

- sign 313.219+/-414.281 χ^2/NDF: 21.5/26

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1415.657+/-0.361 χ^2/NDF:207307.8/9

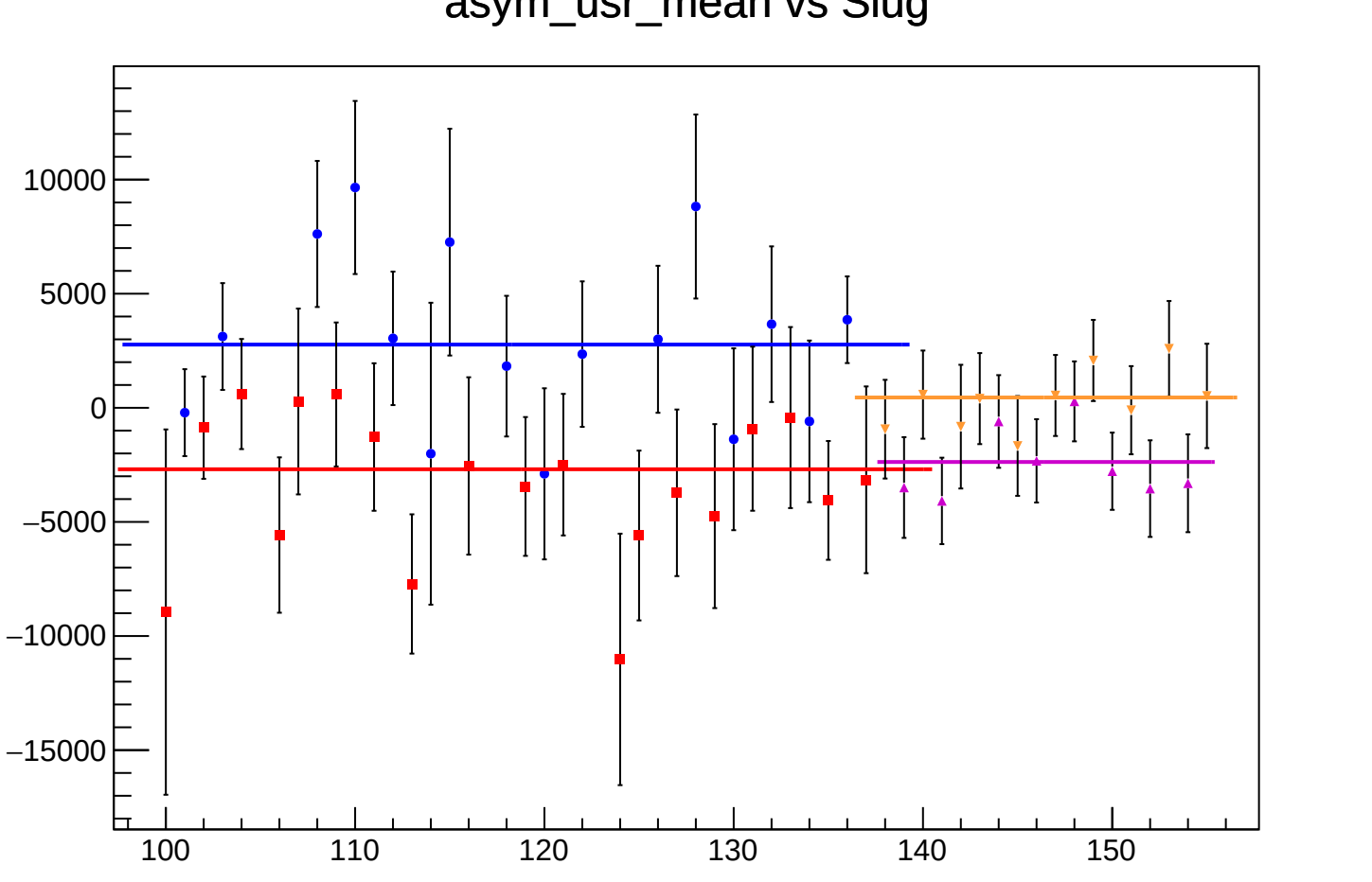
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1409.849+/-0.381 χ^2/NDF:276654.5/7

+ sign 1505.607+/-0.280 χ^2/NDF: 1064280.4/25

All: 1524.608+/-0.203 χ^2/NDF: 2098136.8/52

- sign 1545.369+/-0.293 χ^2/NDF: 1024237.1/26



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 452.208+/-645.487 χ^2/NDF:3.5/9

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

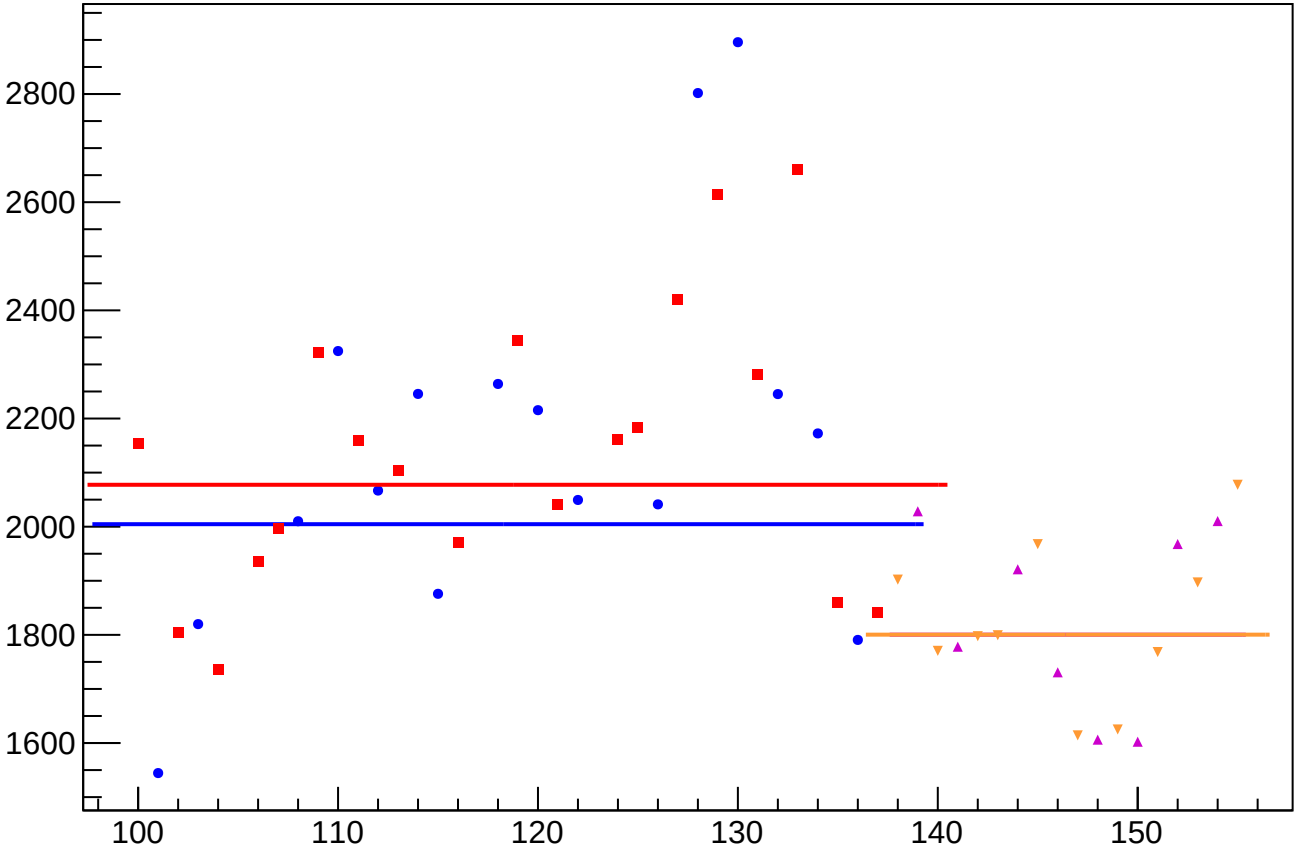
Left In: -2373.794+/-683.110 χ^2/NDF:4.7/7

+ sign 1427.789+/-491.199 χ^2/NDF: 25.4/25

All: -470.575+/-353.708 χ^2/NDF: 73.8/52

- sign -2515.083+/-509.756 χ^2/NDF: 17.3/26

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1800.381+/-0.456 χ^2/NDF:92277.8/9

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

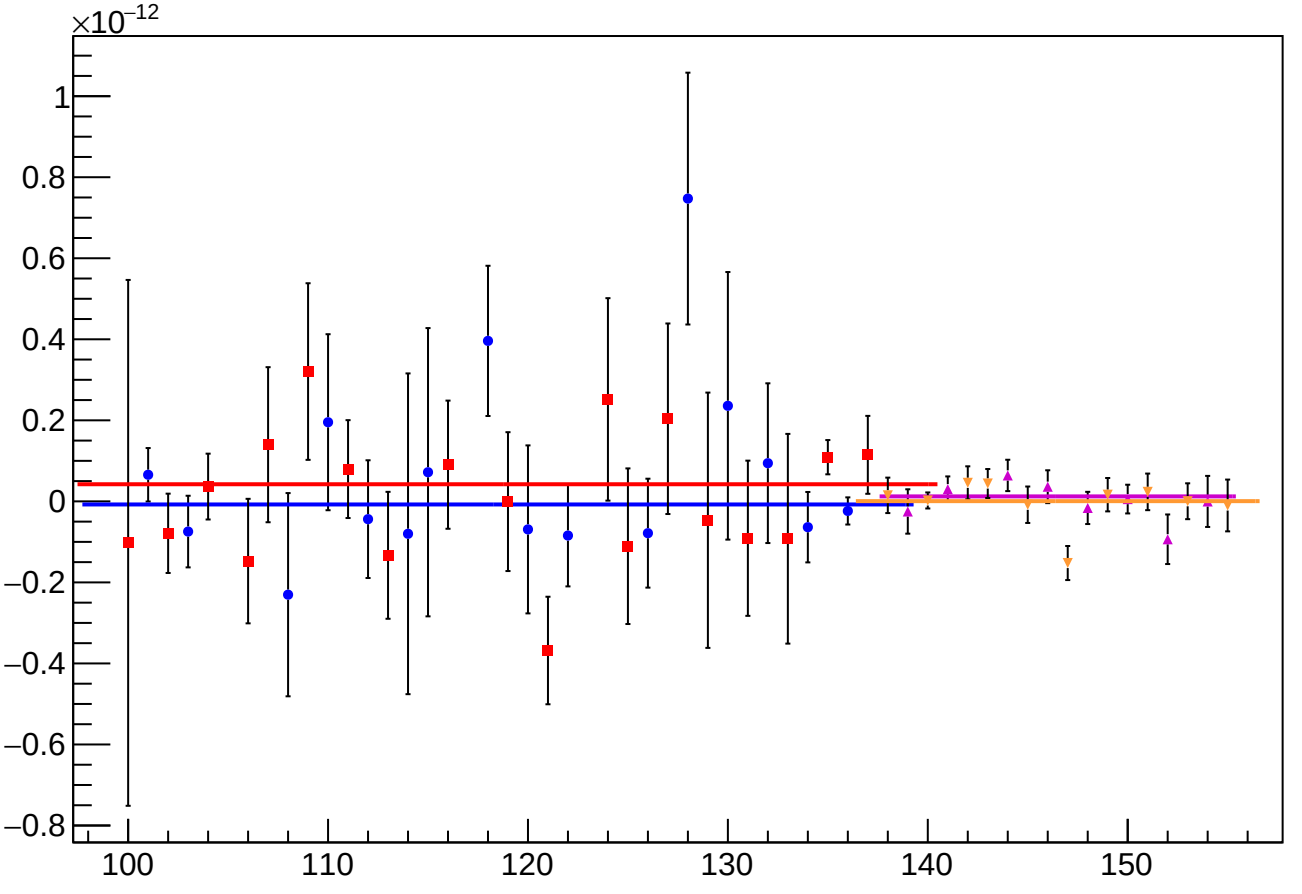
Left In: 1800.303+/-0.483 χ^2/NDF:115307.1/7

+ sign 1886.355+/-0.347 χ^2/NDF: 564138.6/25

All: 1904.067+/-0.250 χ^2/NDF: 1061267.7/52

- sign 1923.141+/-0.360 χ^2/NDF: 491728.4/26

asym_usr_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/9

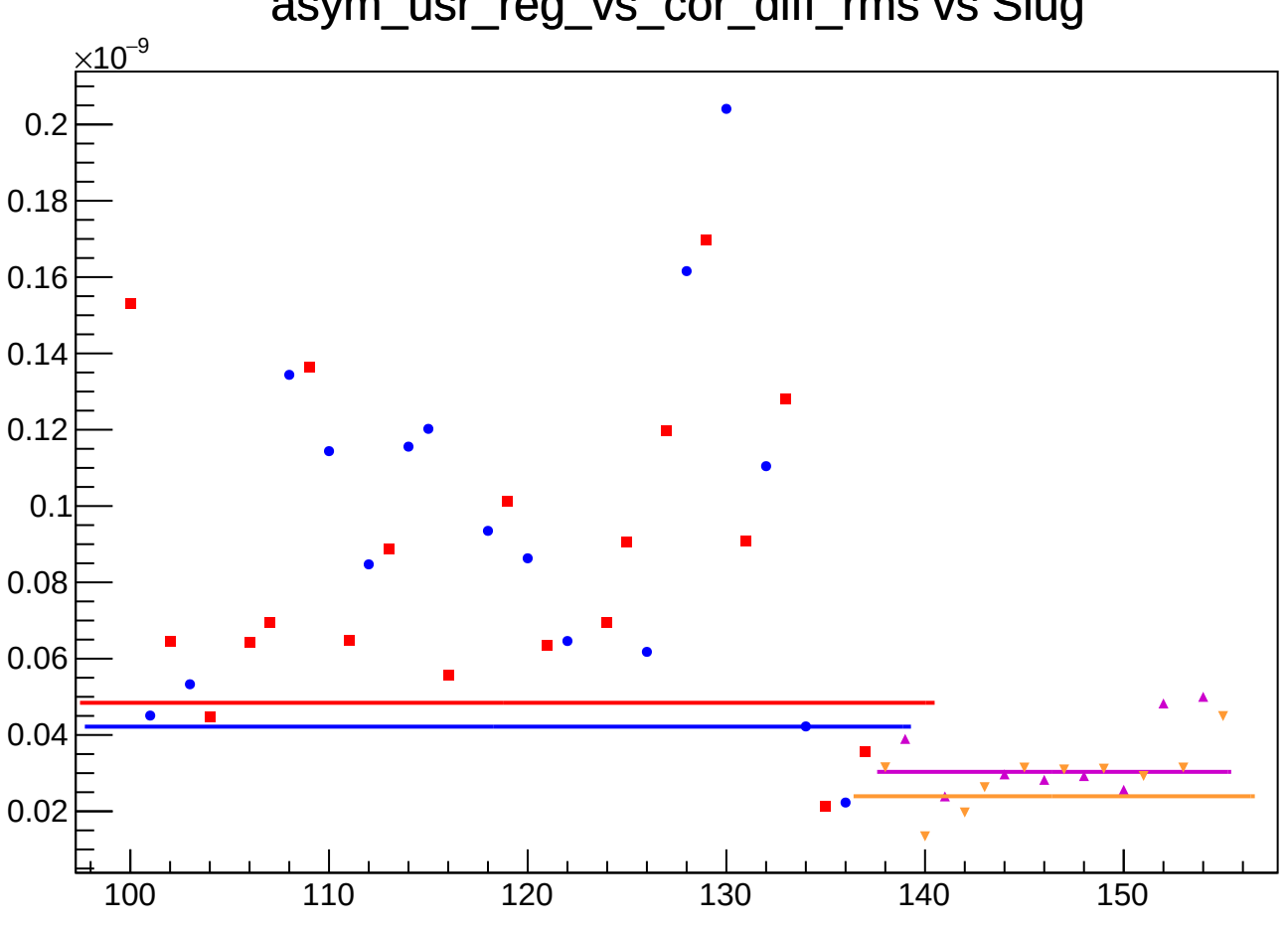
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 33.0/25

All: 0.000+/-0.000 χ^2/NDF: 63.7/52

- sign 0.000+/-0.000 χ^2/NDF: 29.2/26



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

Left Out: 0.000+/-0.000 χ^2/NDF:1127780.8/9

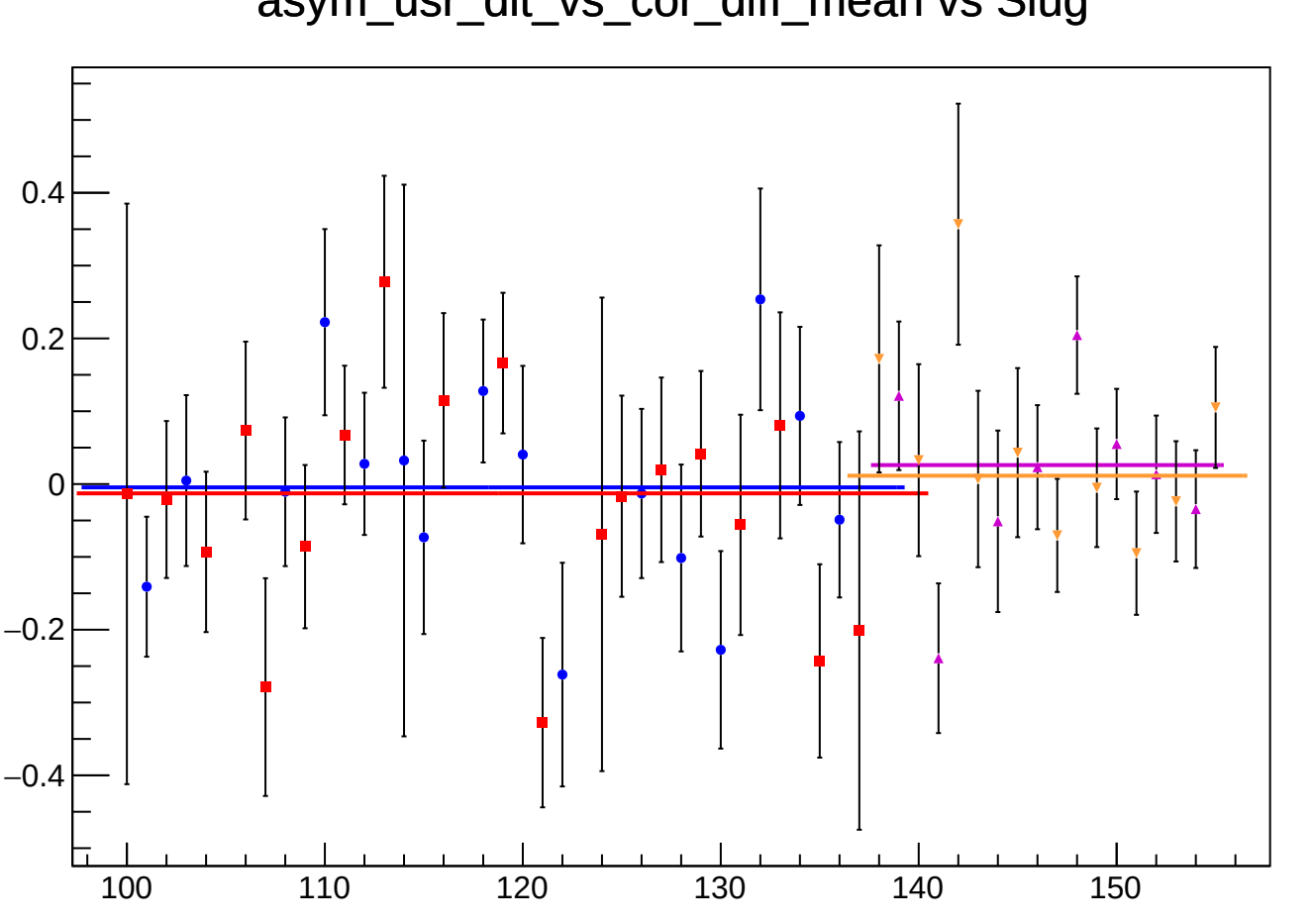
Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:542165.6/7

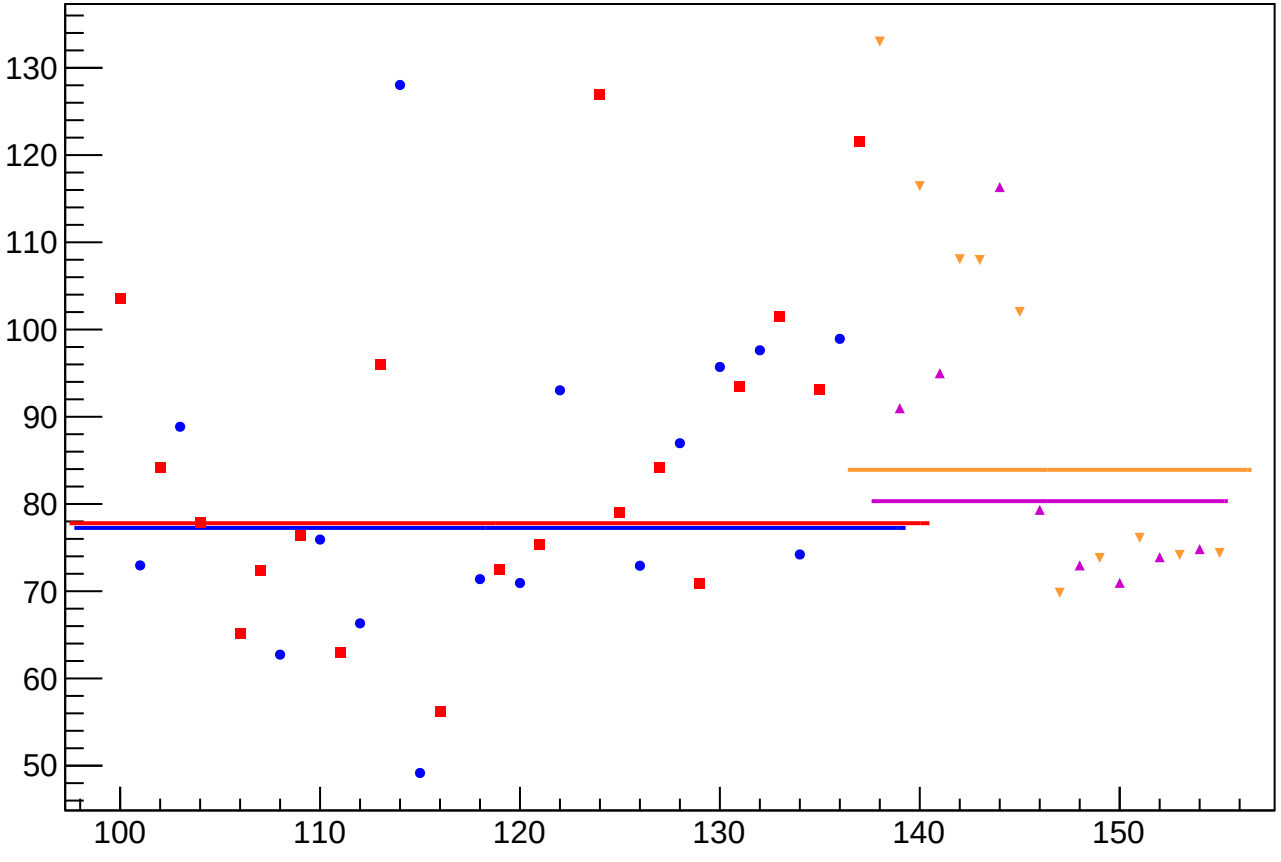
+ sign 0.000+/-0.000 χ^2/NDF: 4978238.1/25

All: 0.000+/-0.000 χ^2/NDF: 9182423.2/52

- sign 0.000+/-0.000 χ^2/NDF: 3837139.3/26


asym_usr_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.011+/-0.031 χ²/NDF:9.7/9
Right Out: -0.013+/-0.030 χ²/NDF: 25.5/18
Left In: 0.026+/-0.031 χ²/NDF:13.5/7
+ sign 0.003+/-0.022 χ²/NDF: 27.1/25
All: 0.004+/-0.015 χ²/NDF: 67.0/52
- sign 0.006+/-0.022 χ²/NDF: 39.8/26

asym_usr_dit_vs_cor_diff_rms vs Slug



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

Left Out: 83.917+/-0.022 χ^2/NDF:657752.3/9

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

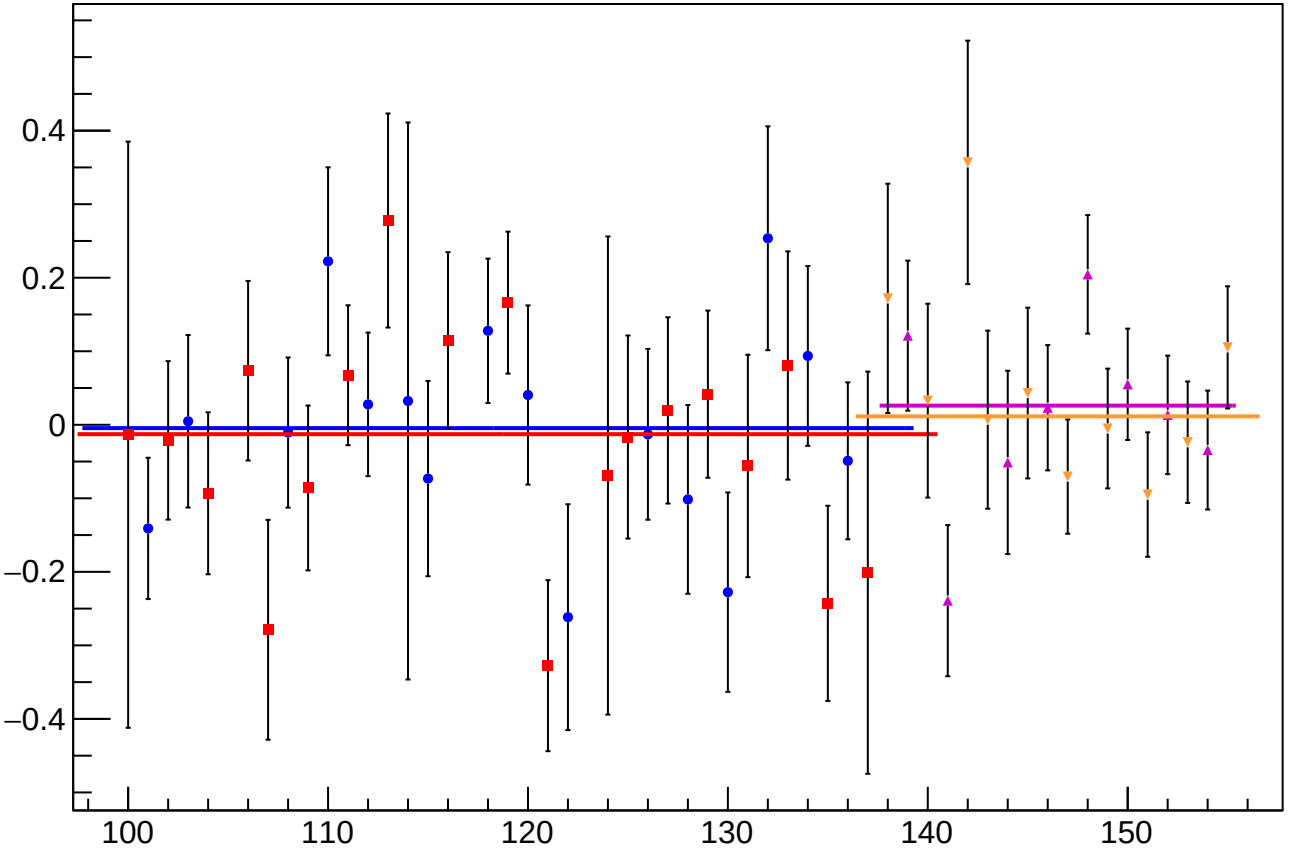
Left In: 80.325+/-0.022 χ^2/NDF:298977.1/7

+ sign 80.459+/-0.015 χ^2/NDF: 1124236.7/25

All: 79.725+/-0.011 χ^2/NDF: 1831151.7/52

- sign 79.000+/-0.015 χ^2/NDF: 702344.8/26

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: 0.011+/-0.031 χ^2/NDF:9.7/9

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

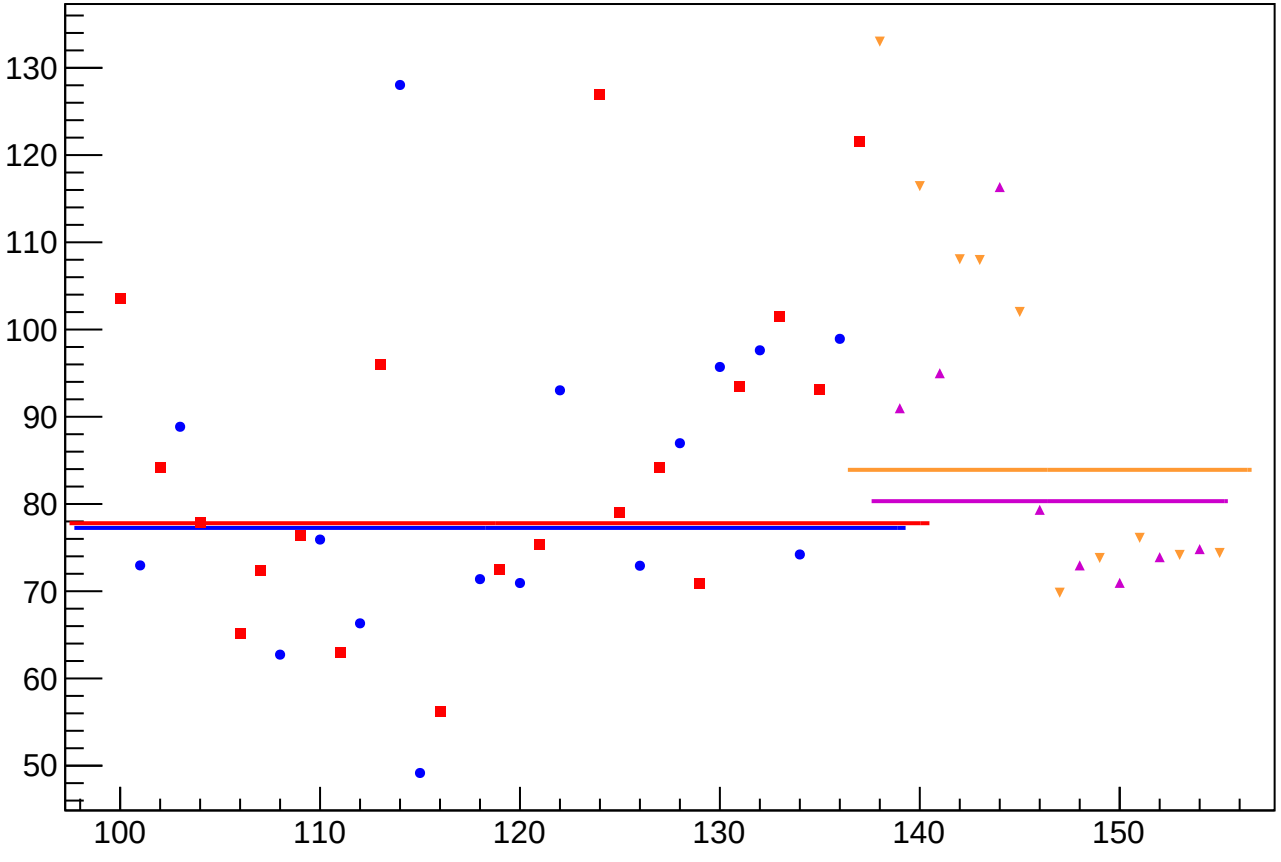
Left In: 0.026+/-0.031 χ^2/NDF:13.5/7

+ sign 0.003+/-0.022 χ^2/NDF: 27.1/25

All: 0.004+/-0.015 χ^2/NDF: 67.0/52

- sign 0.006+/-0.022 χ^2/NDF: 39.8/26

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 83.917+/-0.022 χ^2/NDF:657752.3/9

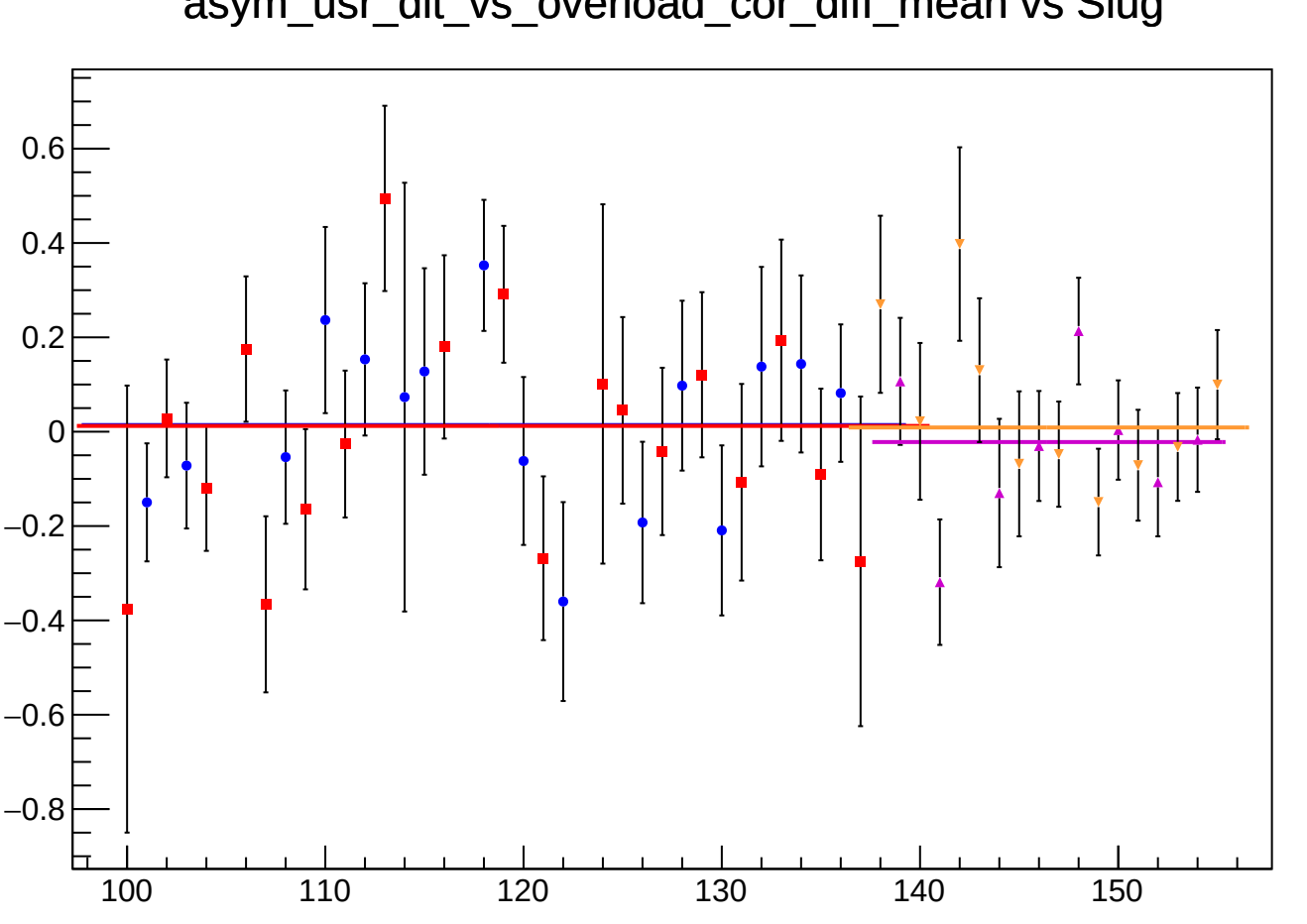
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.325+/-0.022 χ^2/NDF:298977.1/7

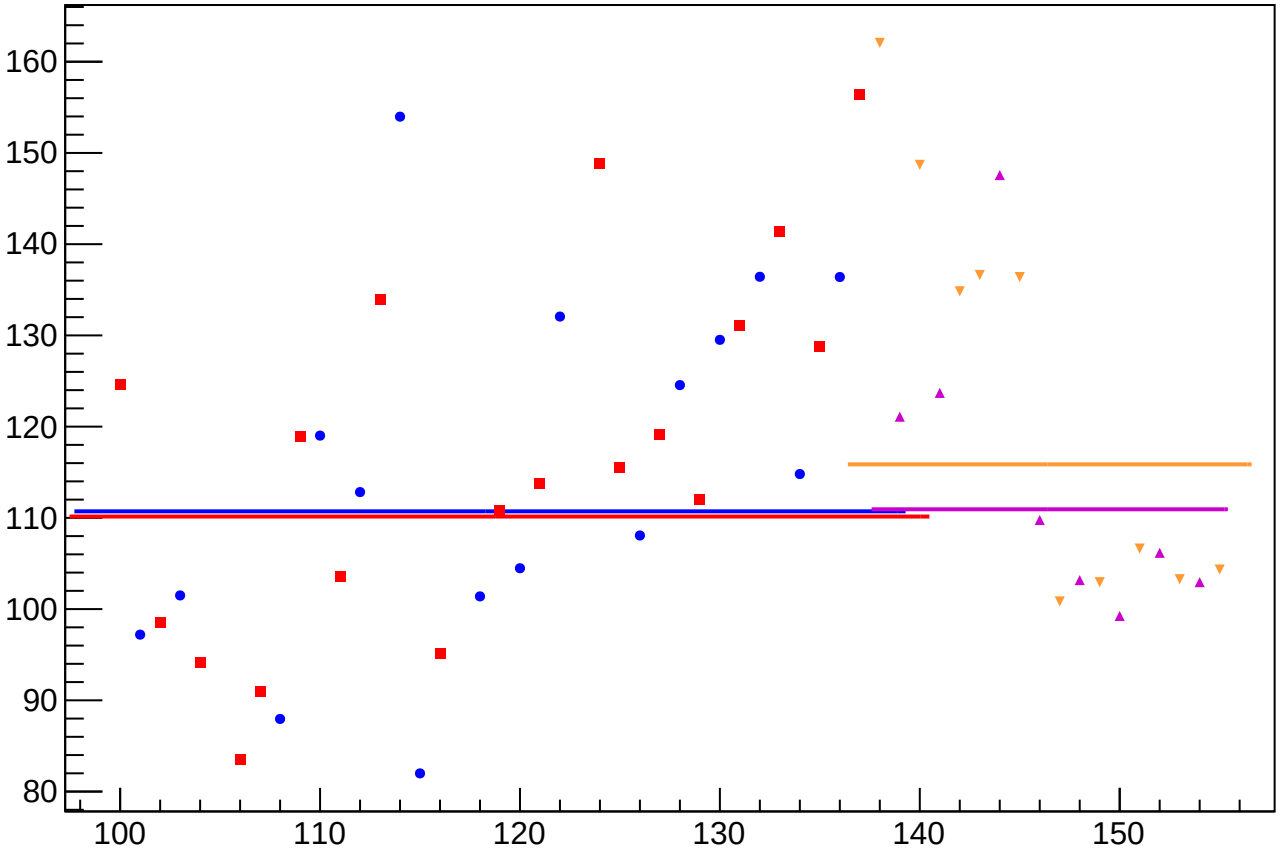
+ sign 80.459+/-0.015 χ^2/NDF: 1124236.7/25

All: 79.725+/-0.011 χ^2/NDF: 1831151.7/52

- sign 79.000+/-0.015 χ^2/NDF: 702344.8/26


asym_usr_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
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.009+/-0.042 χ²/NDF:9.8/9
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.022+/-0.043 χ²/NDF:11.3/7
+ sign 0.012+/-0.030 χ²/NDF: 28.0/25
All: 0.004+/-0.021 χ²/NDF: 63.6/52
- sign -0.004+/-0.030 χ²/NDF: 35.4/26

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 115.865+/-0.030 χ^2/NDF:407937.6/9

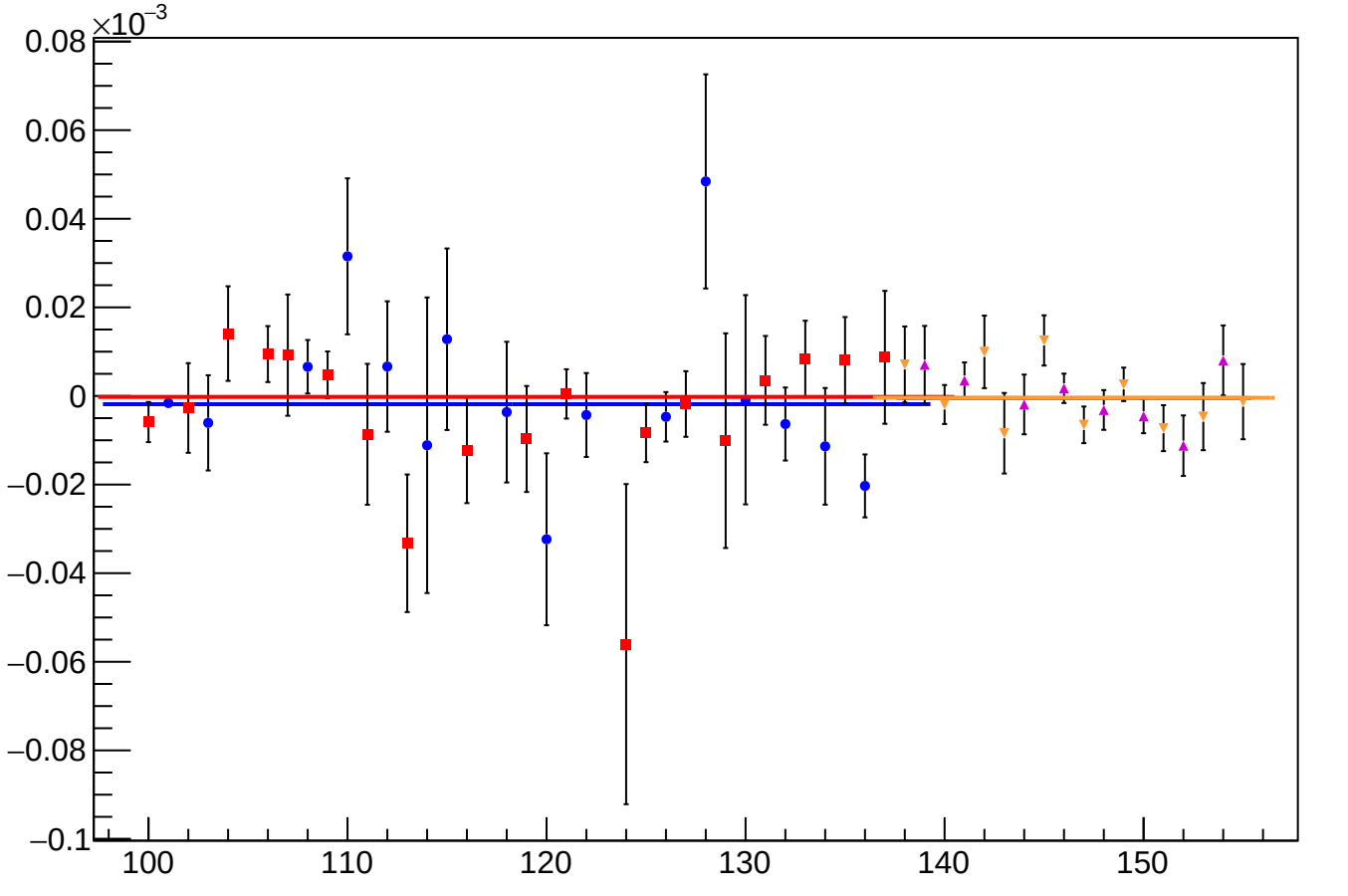
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.939+/-0.030 χ^2/NDF:186538.0/7

+ sign 113.282+/-0.021 χ^2/NDF: 722711.8/25

All: 111.892+/-0.015 χ^2/NDF: 1244864.2/52

- sign 110.530+/-0.021 χ^2/NDF: 513623.4/26



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/9

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

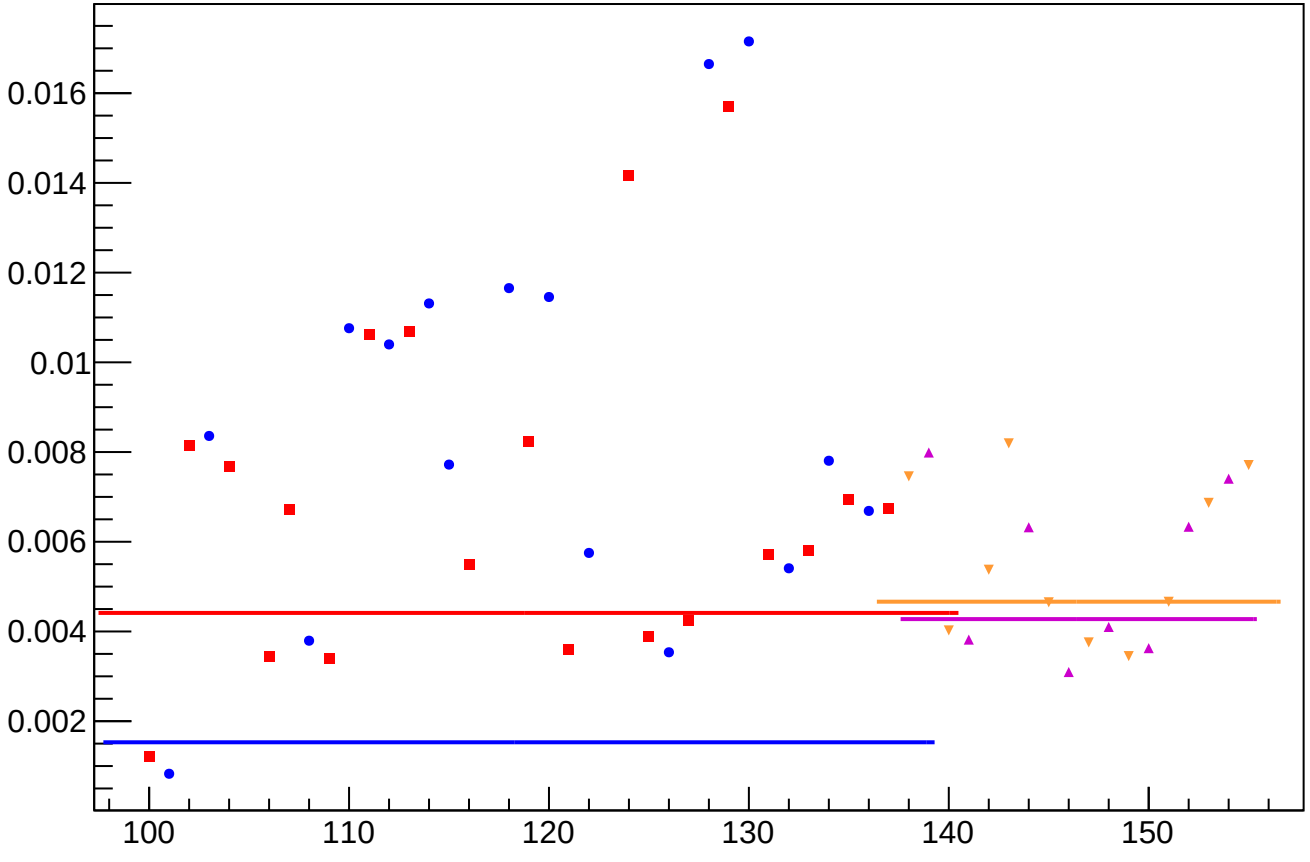
Left In: -0.000+/-0.000 χ^2/NDF:7.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/25

All: -0.000+/-0.000 χ^2/NDF: 63.1/52

- sign -0.000+/-0.000 χ^2/NDF: 27.2/26

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:1300548.4/9

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

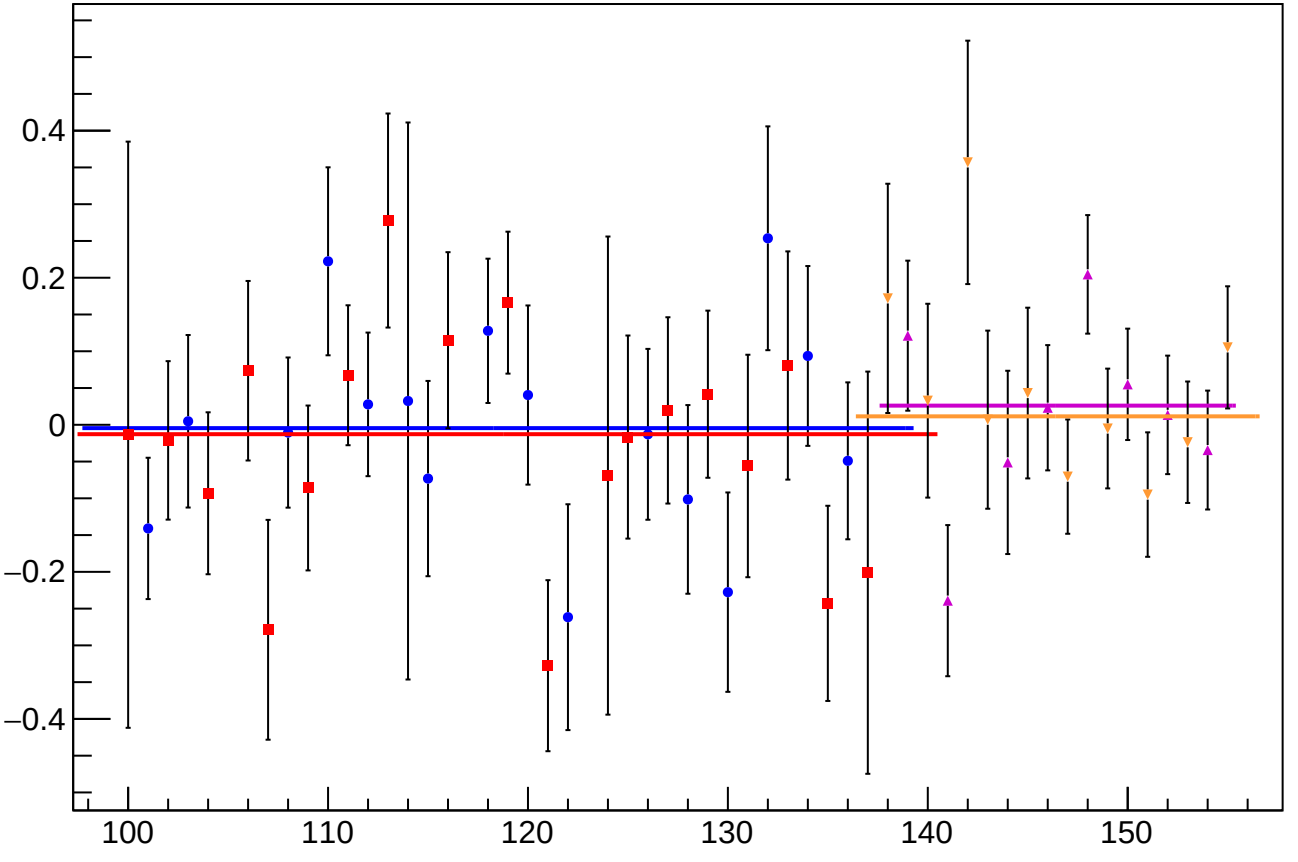
Left In: 0.004+/-0.000 χ^2/NDF:1378724.2/7

+ sign 0.002+/-0.000 χ^2/NDF: 15356442.1/25

All: 0.003+/-0.000 χ^2/NDF: 23782925.6/52

- sign 0.004+/-0.000 χ^2/NDF: 4772503.2/26

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.011+/-0.031 χ^2/NDF:9.7/9

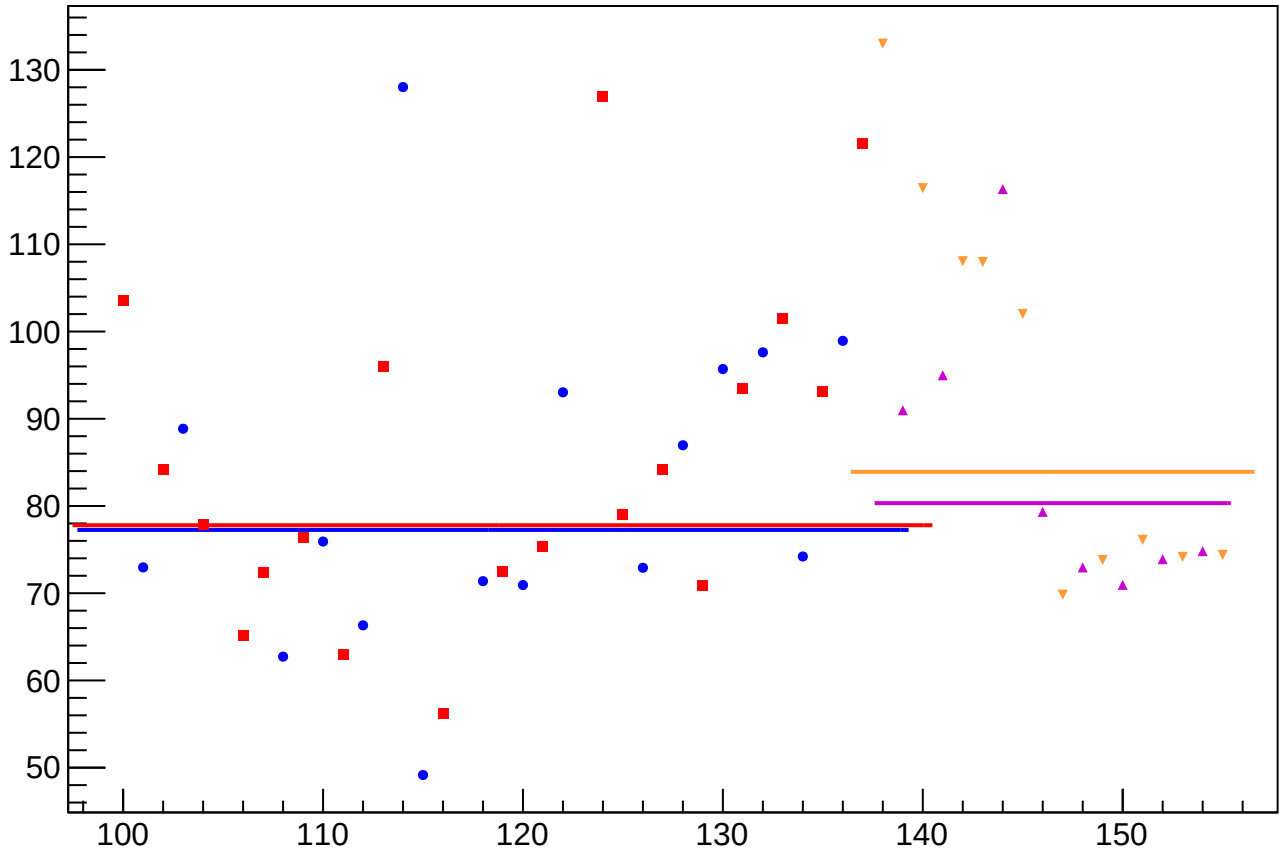
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.026+/-0.031 χ^2/NDF:13.5/7

+ sign 0.003+/-0.022 χ^2/NDF: 27.1/25

All: 0.004+/-0.015 χ^2/NDF: 67.0/52

- sign 0.006+/-0.022 χ^2/NDF: 39.8/26



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

Left Out: 83.917+/-0.022 χ^2/NDF:657759.2/9

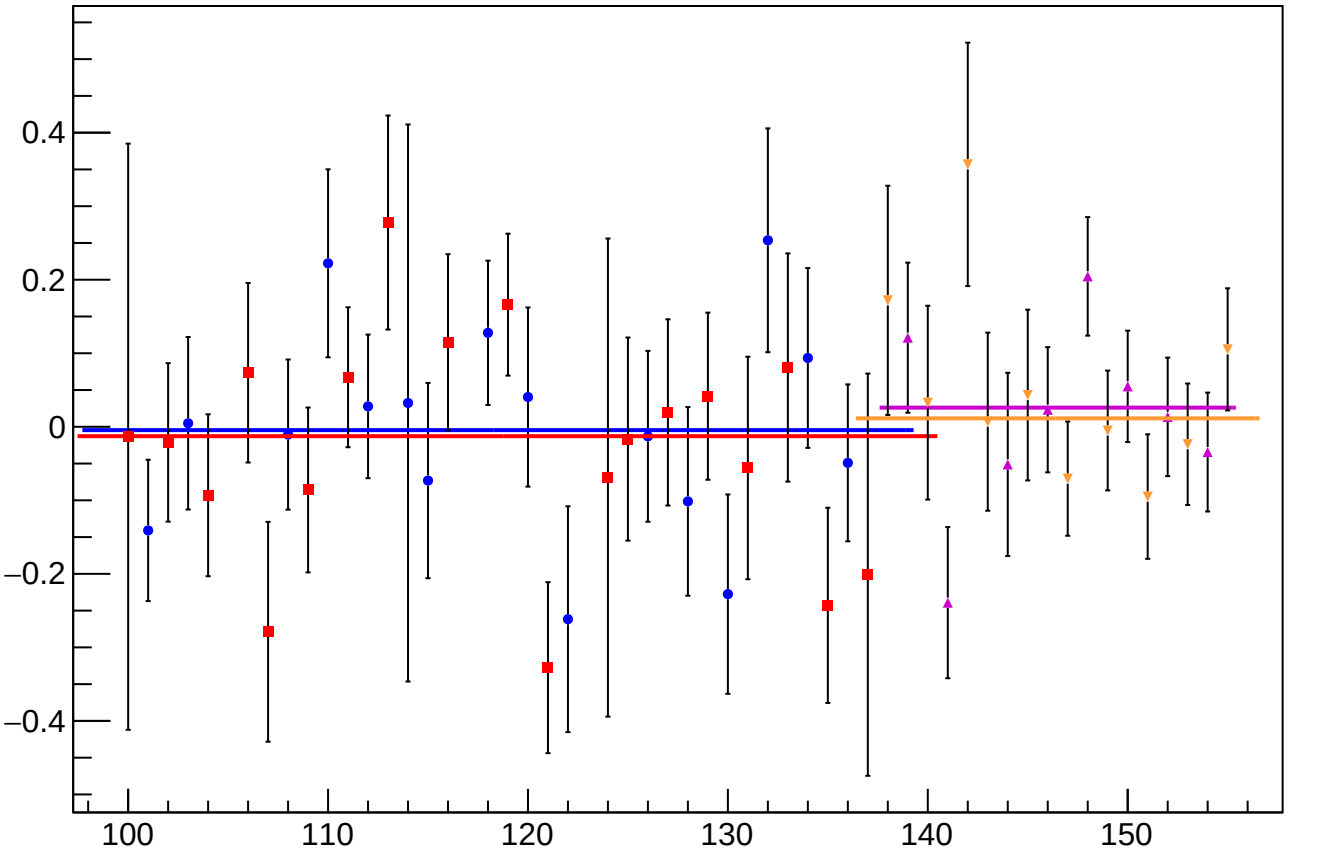
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.325+/-0.022 χ^2/NDF:298983.2/7

+ sign 80.458+/-0.015 χ^2/NDF: 1124255.8/25

All: 79.724+/-0.011 χ^2/NDF: 1831183.2/52

- sign 78.999+/-0.015 χ^2/NDF: 702357.1/26



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

Left Out: 0.011+/-0.031 χ^2/NDF:9.7/9

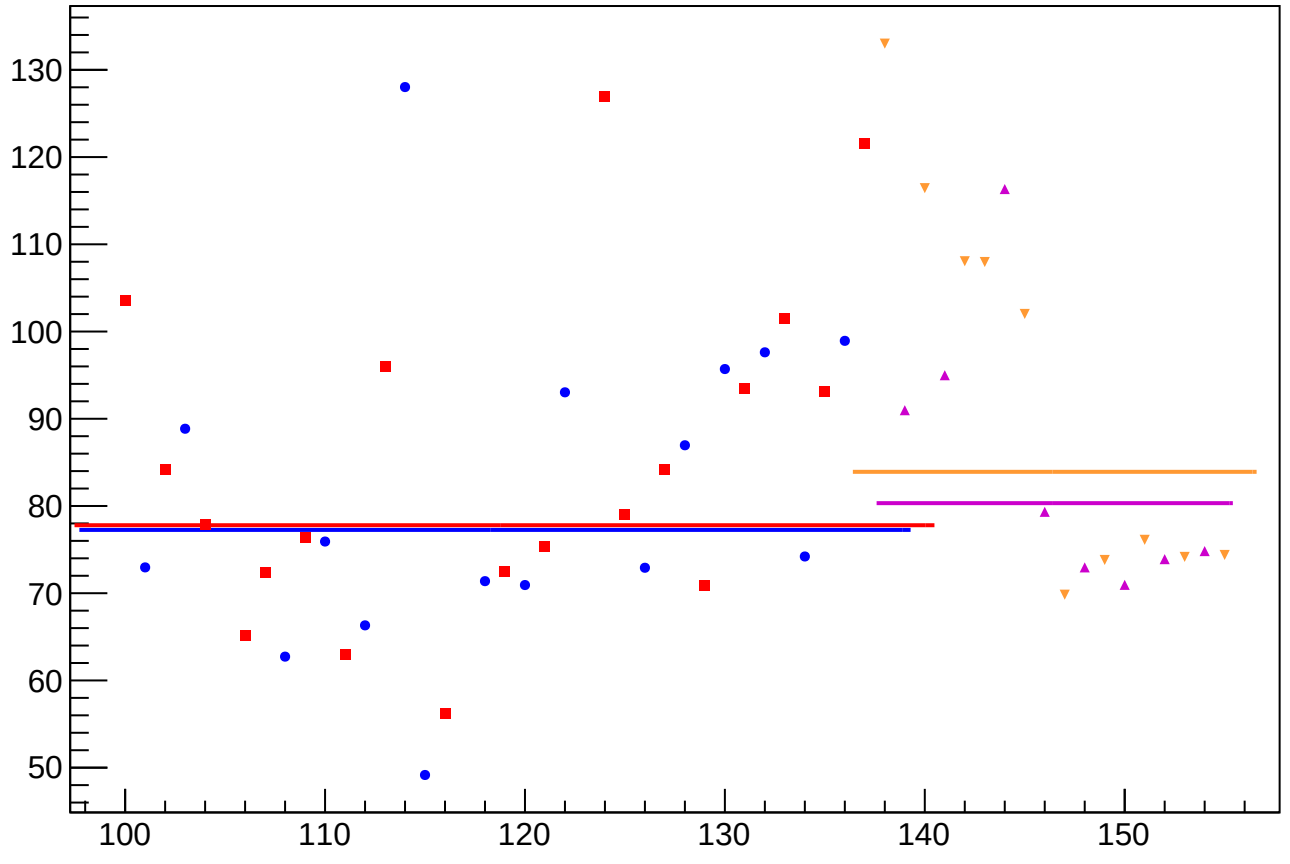
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.026+/-0.031 χ^2/NDF:13.5/7

+ sign 0.003+/-0.022 χ^2/NDF: 27.1/25

All: 0.004+/-0.015 χ^2/NDF: 67.0/52

- sign 0.006+/-0.022 χ^2/NDF: 39.8/26



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

Left Out: 83.917+/-0.022 χ^2/NDF:657759.2/9

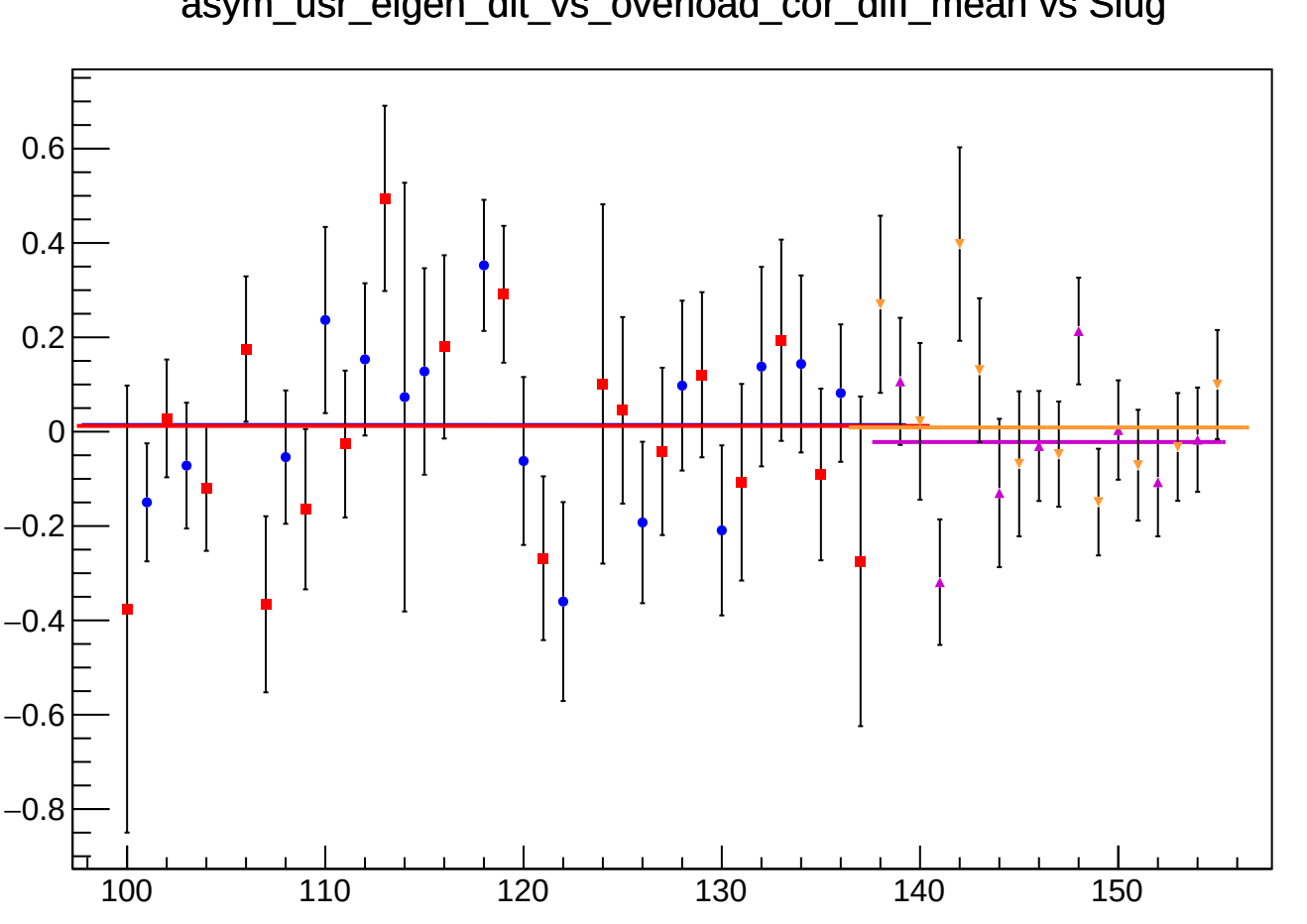
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.325+/-0.022 χ^2/NDF:298983.2/7

+ sign 80.458+/-0.015 χ^2/NDF: 1124255.8/25

All: 79.724+/-0.011 χ^2/NDF: 1831183.2/52

- sign 78.999+/-0.015 χ^2/NDF: 702357.1/26



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.009+/-0.042 χ^2/NDF:9.8/9

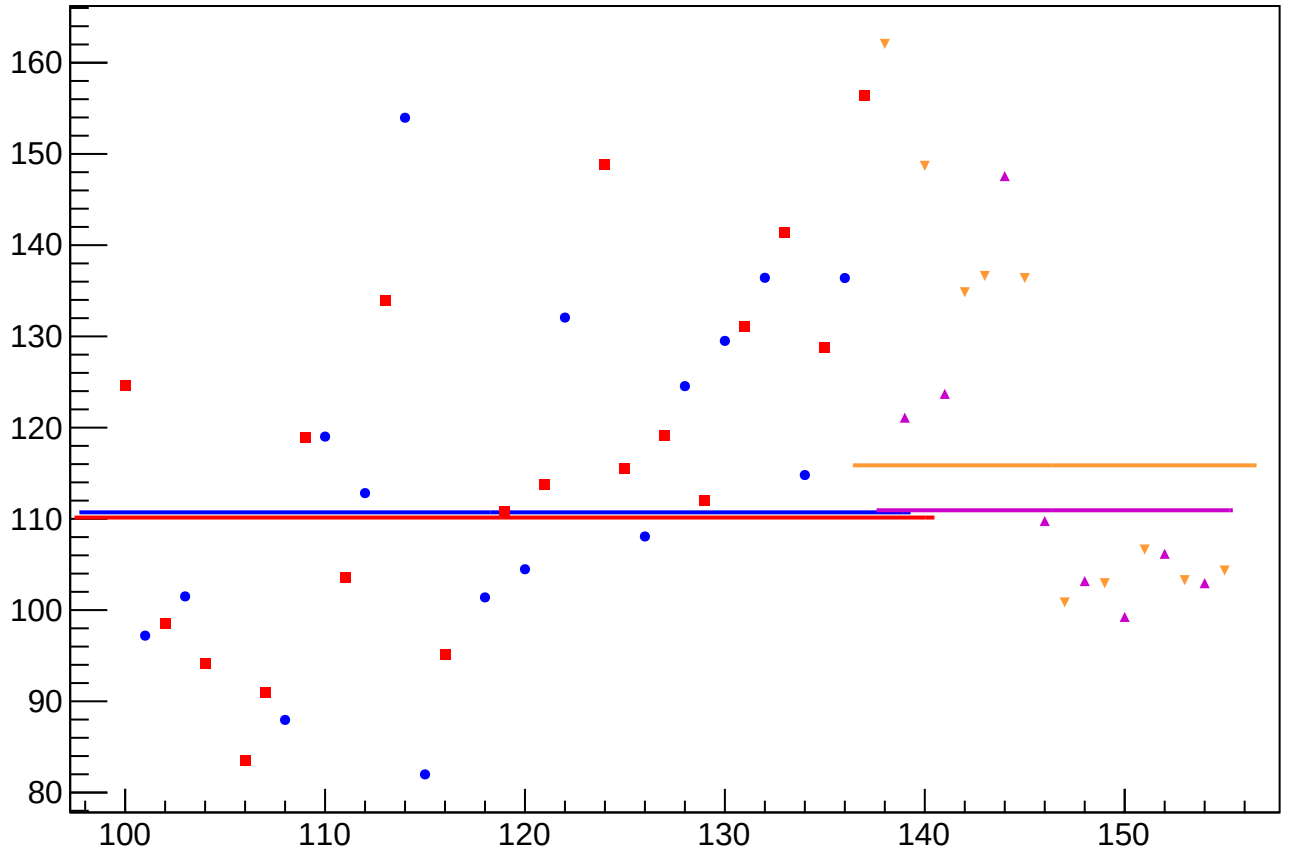
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.022+/-0.043 χ^2/NDF:11.3/7

+ sign 0.012+/-0.030 χ^2/NDF: 28.0/25

All: 0.004+/-0.021 χ^2/NDF: 63.6/52

- sign -0.004+/-0.030 χ^2/NDF: 35.4/26



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

Left Out: 115.865+/-0.030 χ^2/NDF:407939.2/9

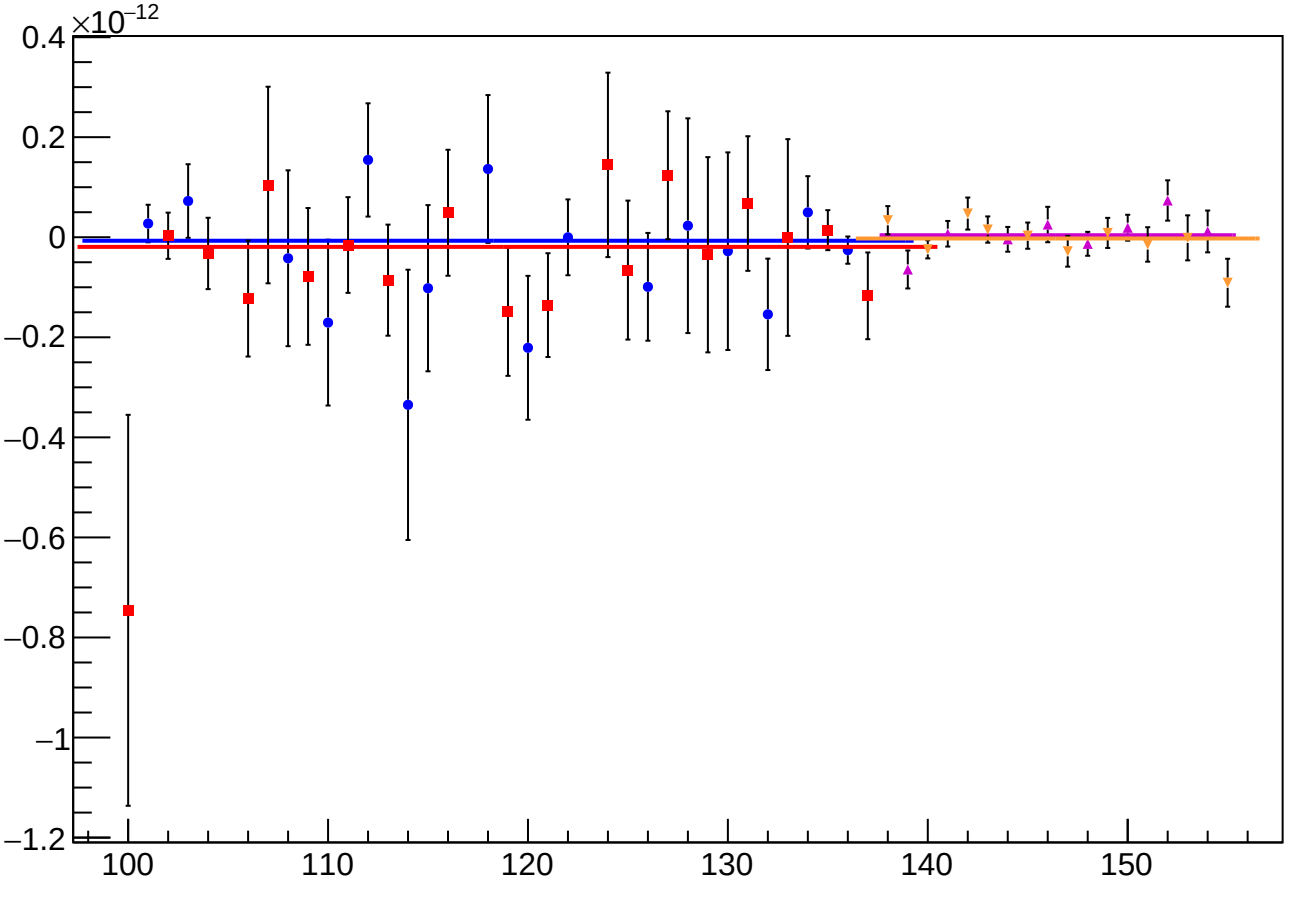
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.939+/-0.030 χ^2/NDF:186542.6/7

+ sign 113.281+/-0.021 χ^2/NDF: 722694.9/25

All: 111.892+/-0.015 χ^2/NDF: 1244822.6/52

- sign 110.530+/-0.021 χ^2/NDF: 513599.0/26



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/9

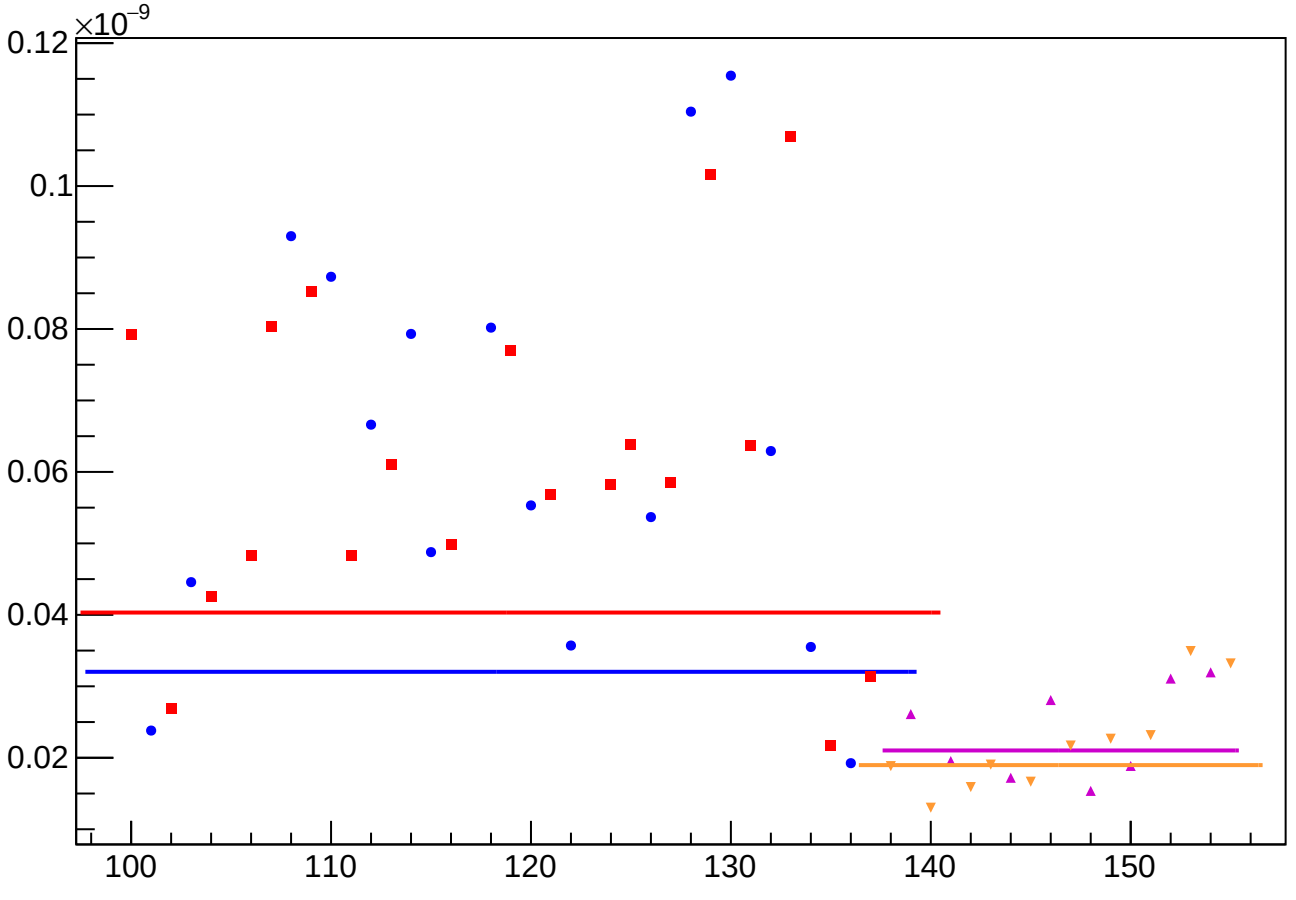
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/25

All: -0.000+/-0.000 χ^2/NDF: 45.3/52

- sign -0.000+/-0.000 χ^2/NDF: 21.2/26



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

Left Out: 0.000+/-0.000 χ^2/NDF:753910.4/9

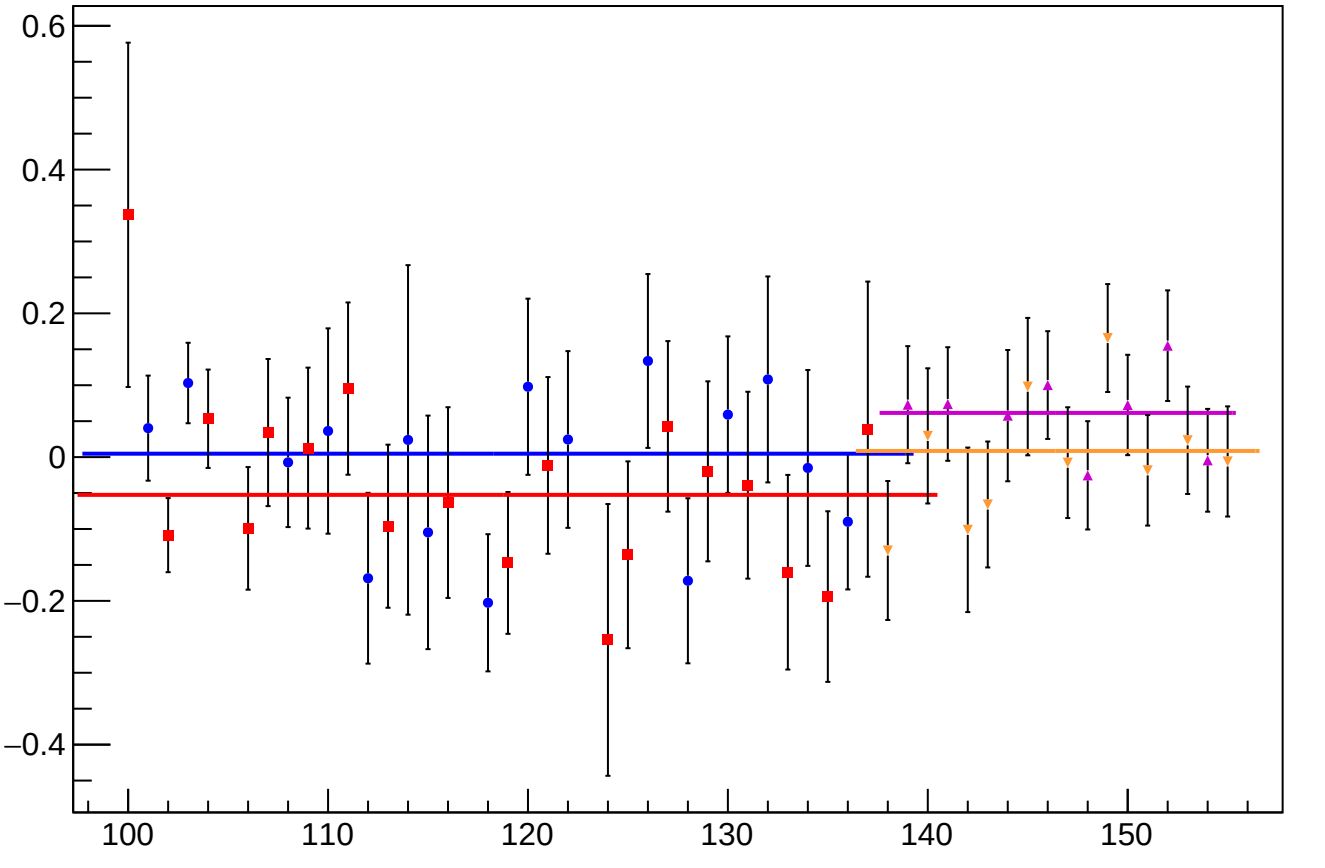
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:557321.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 4057835.6/25

All: 0.000+/-0.000 χ^2/NDF: 7953709.1/52

- sign 0.000+/-0.000 χ^2/NDF: 3762694.9/26



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

Left Out: 0.009+/-0.027 χ^2/NDF:9.2/9

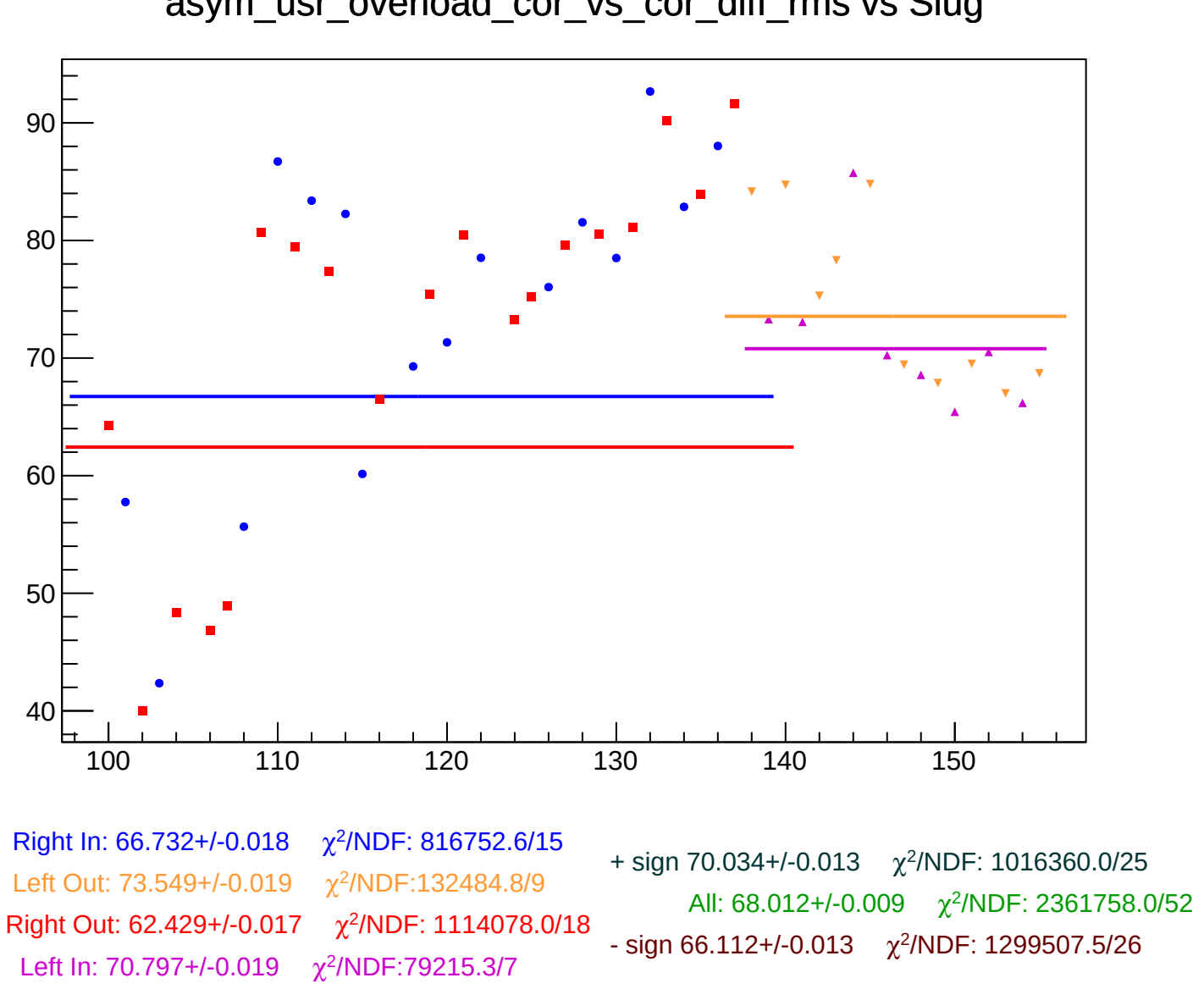
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

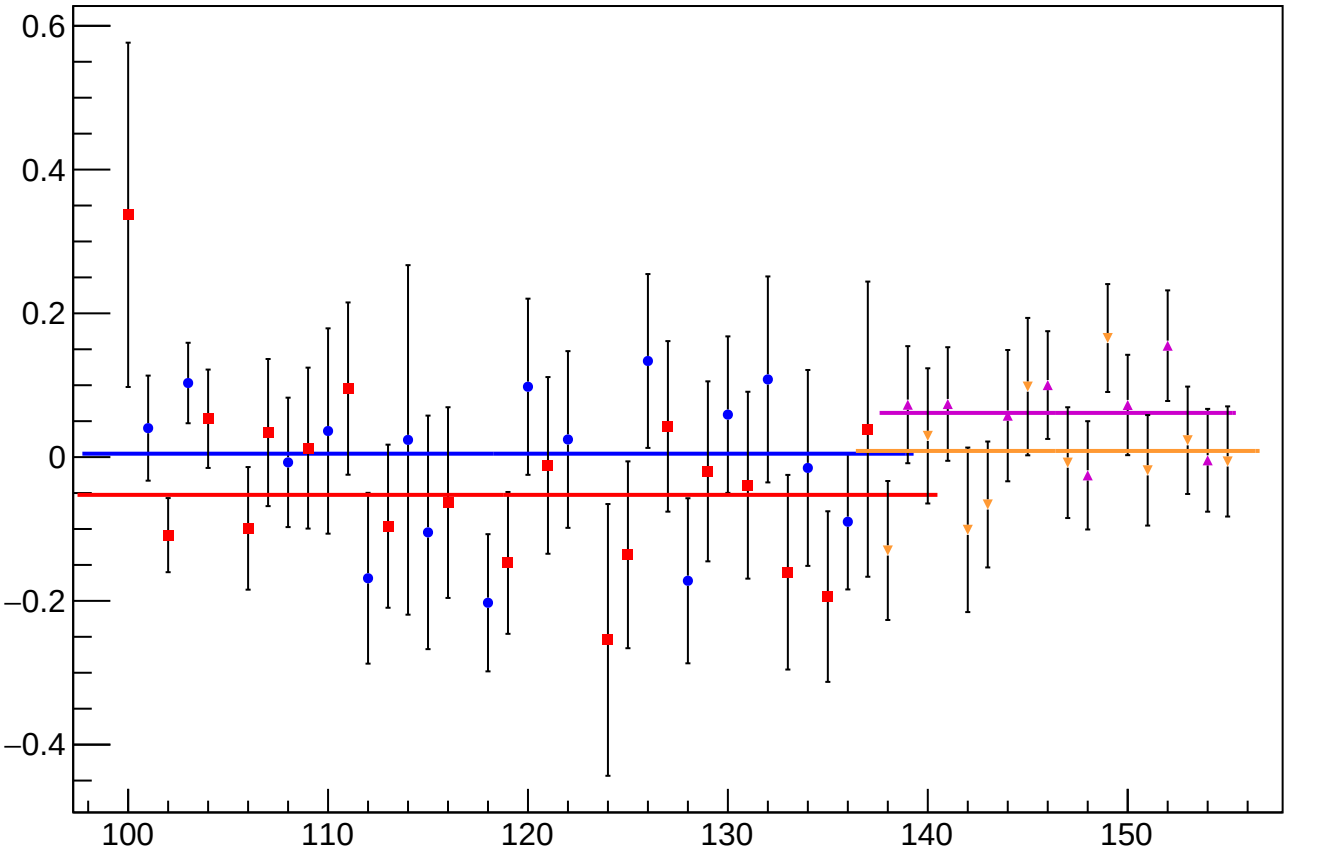
Left In: 0.061+/-0.027 χ^2/NDF:4.0/7

+ sign 0.007+/-0.019 χ^2/NDF: 25.9/25

All: 0.002+/-0.013 χ^2/NDF: 54.7/52

- sign -0.002+/-0.018 χ^2/NDF: 28.7/26


asym_usr_overload_cor_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 73.549+/-0.019 χ²/NDF:132484.8/9
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.797+/-0.019 χ²/NDF:79215.3/7
+ sign 70.034+/-0.013 χ²/NDF: 1016360.0/25
All: 68.012+/-0.009 χ²/NDF: 2361758.0/52
- sign 66.112+/-0.013 χ²/NDF: 1299507.5/26



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

Left Out: 0.009+/-0.027 χ^2/NDF:9.2/9

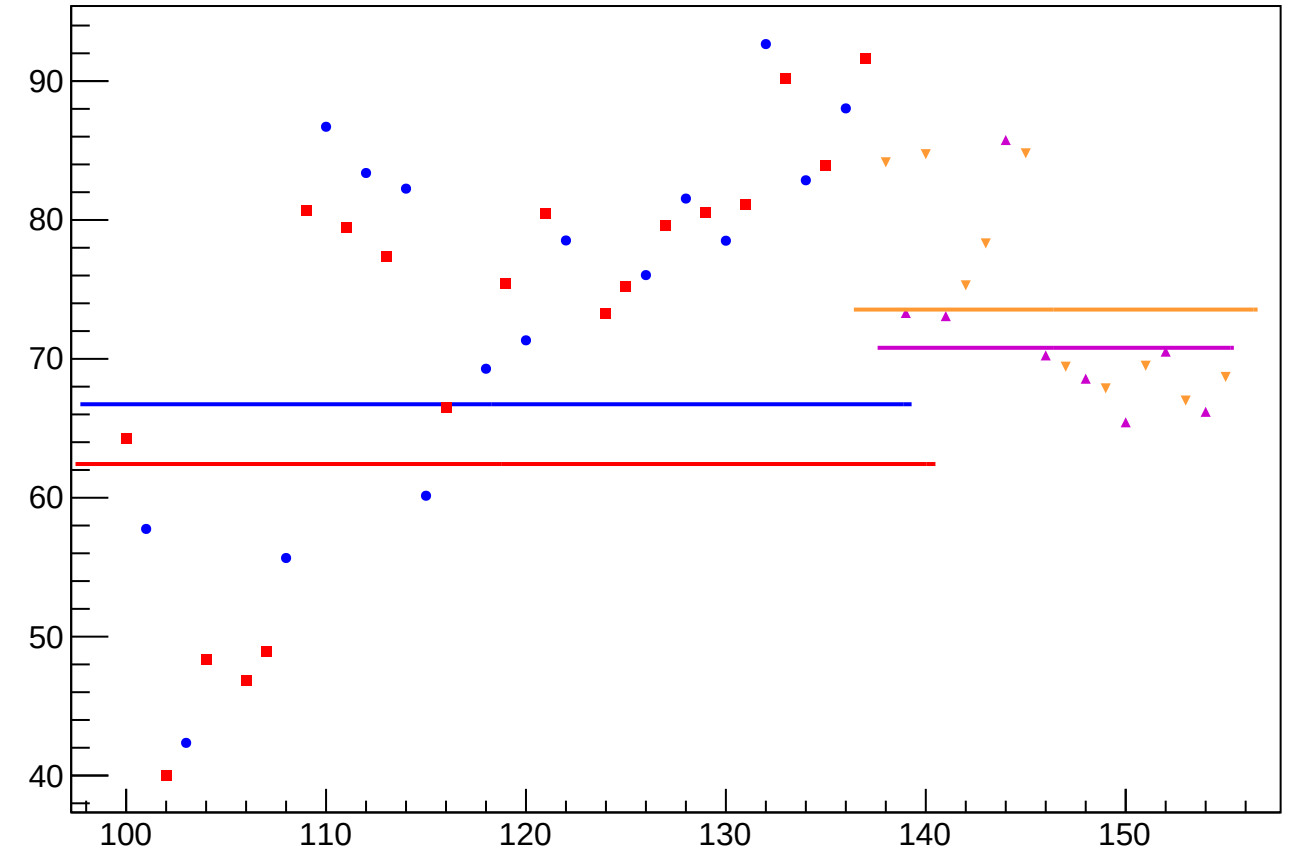
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.061+/-0.027 χ^2/NDF:4.0/7

+ sign 0.007+/-0.019 χ^2/NDF: 25.9/25

All: 0.002+/-0.013 χ^2/NDF: 54.7/52

- sign -0.002+/-0.018 χ^2/NDF: 28.7/26



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 73.549+/-0.019 χ^2/NDF:132484.8/9

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

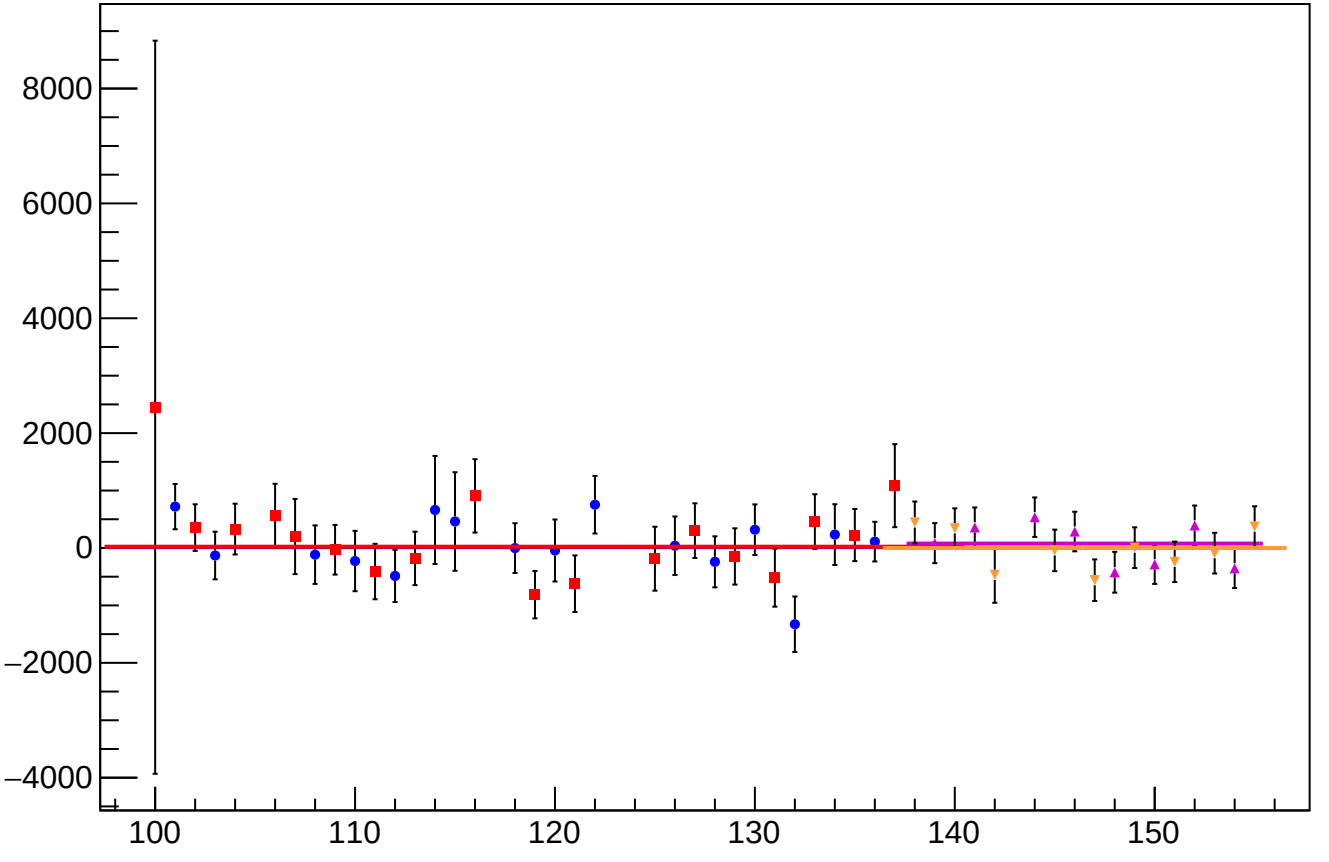
Left In: 70.797+/-0.019 χ^2/NDF:79215.3/7

+ sign 70.034+/-0.013 χ^2/NDF: 1016360.0/25

All: 68.012+/-0.009 χ^2/NDF: 2361758.0/52

- sign 66.112+/-0.013 χ^2/NDF: 1299507.5/26

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -1.221+/-121.906 χ^2/NDF:7.4/8

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

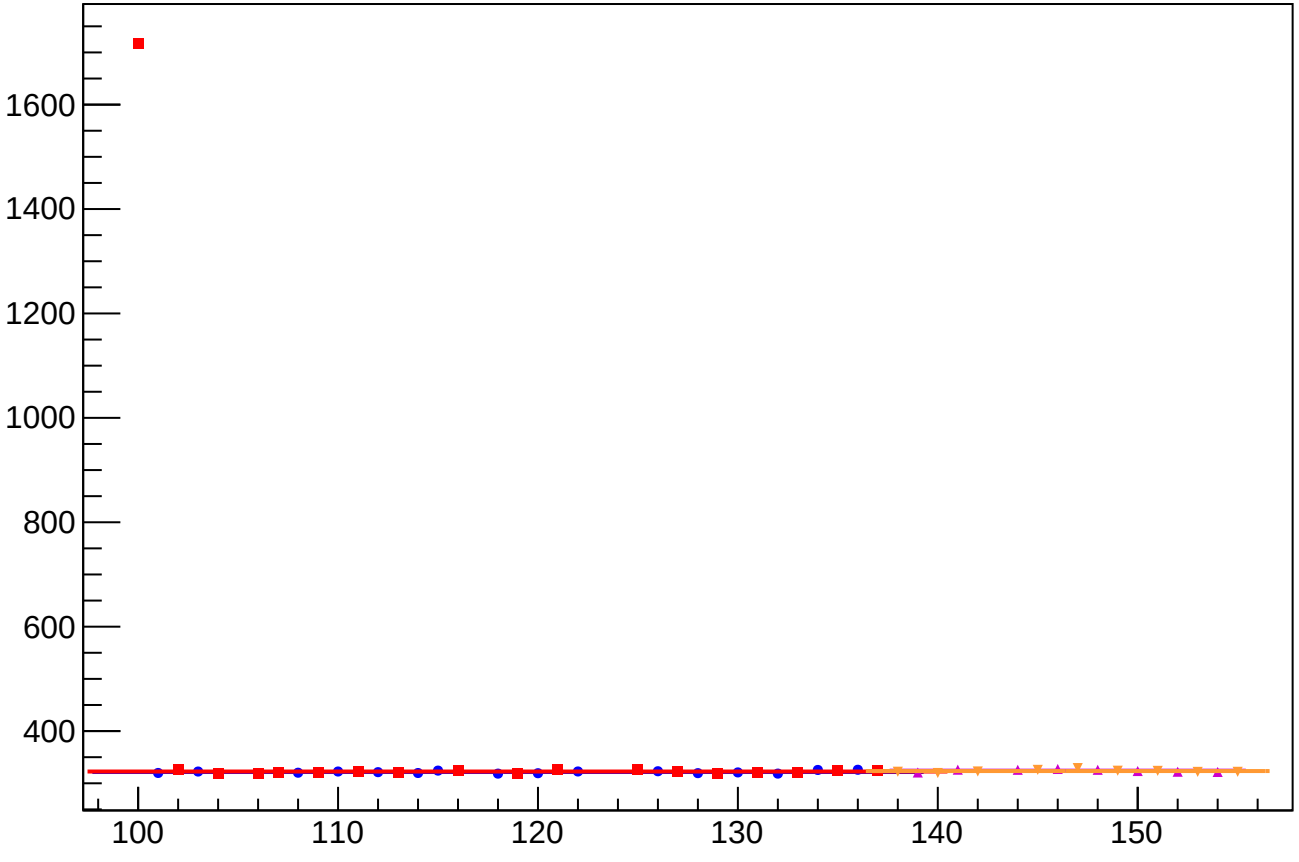
Left In: 76.616+/-122.346 χ^2/NDF:8.3/7

\+ sign 7.320+/-85.312 χ^2/NDF: 24.0/24

All: 27.980+/-60.349 χ^2/NDF: 48.5/50

\- sign 48.674+/-85.382 χ^2/NDF: 24.4/25

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.438+/-0.086 χ^2/NDF:915.8/8

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

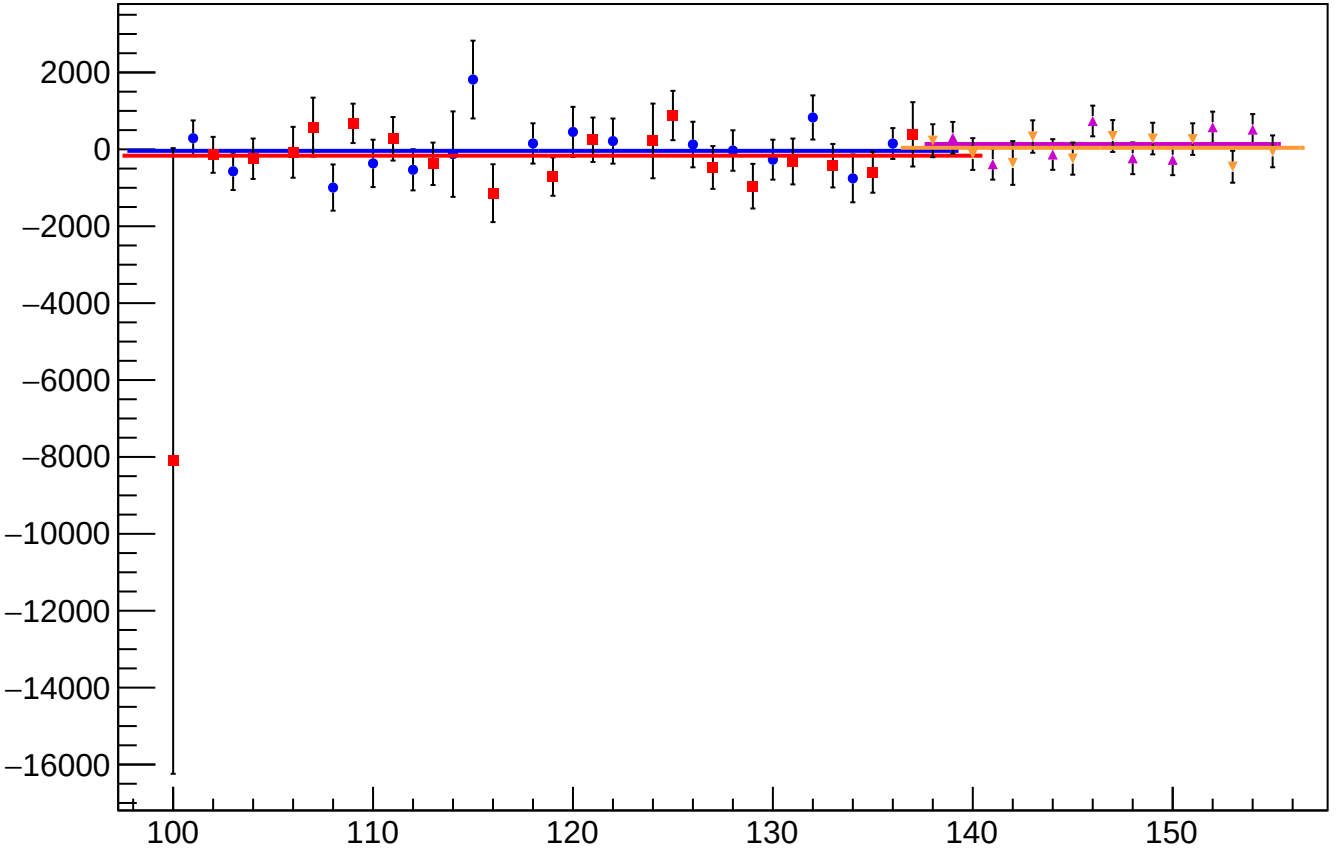
Left In: 324.182+/-0.087 χ^2/NDF:710.3/7

+ sign 322.502+/-0.060 χ^2/NDF: 1969.8/24

All: 322.924+/-0.043 χ^2/NDF: 99851.7/50

- sign 323.346+/-0.060 χ^2/NDF: 97784.1/25

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 40.372+/-134.836 χ^2/NDF:4.4/9

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

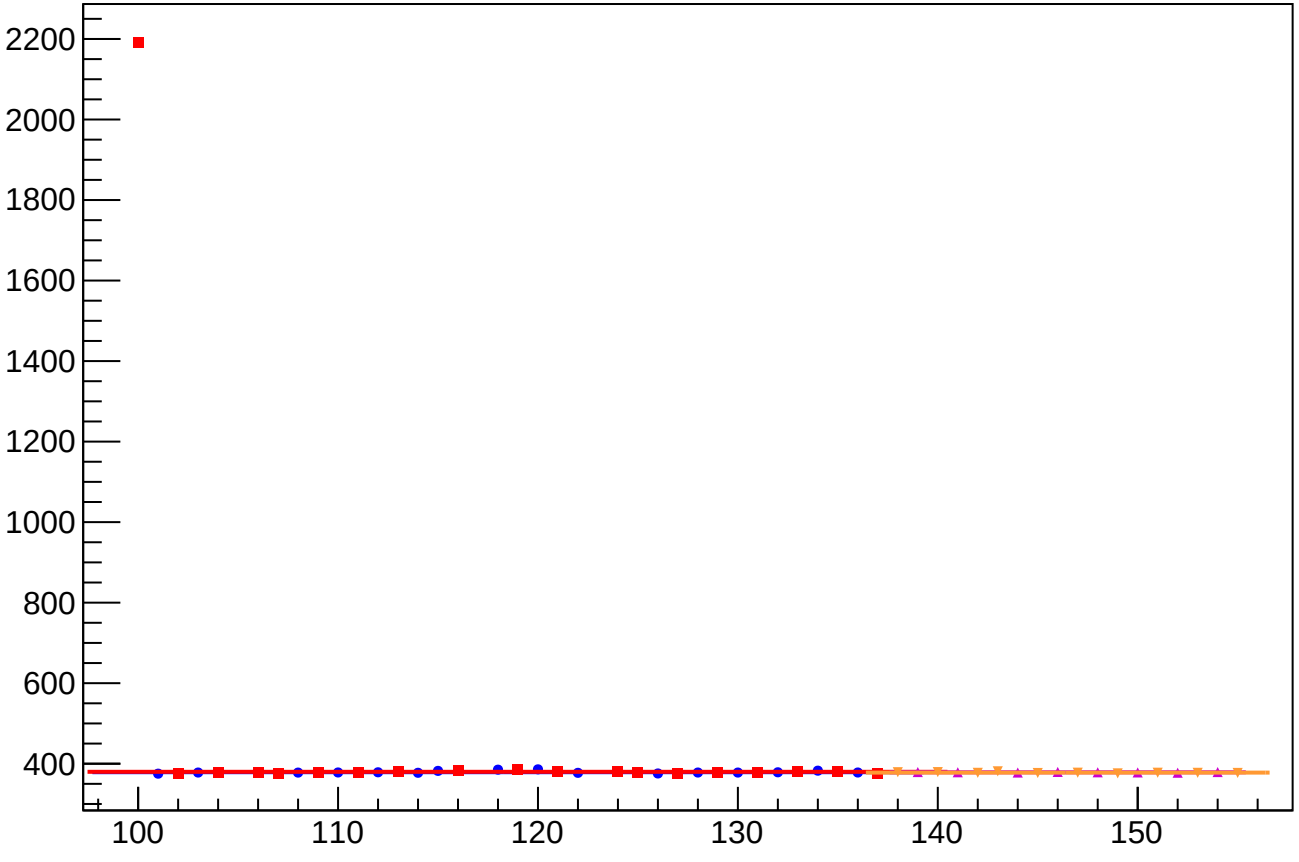
Left In: 137.725+/-142.925 χ^2/NDF:8.4/7

+ sign 2.421+/-97.357 χ^2/NDF: 18.3/25

All: -7.411+/-69.632 χ^2/NDF: 44.2/52

- sign -17.707+/-99.633 χ^2/NDF: 25.9/26

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.907+/-0.095 χ^2/NDF:208.5/9

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

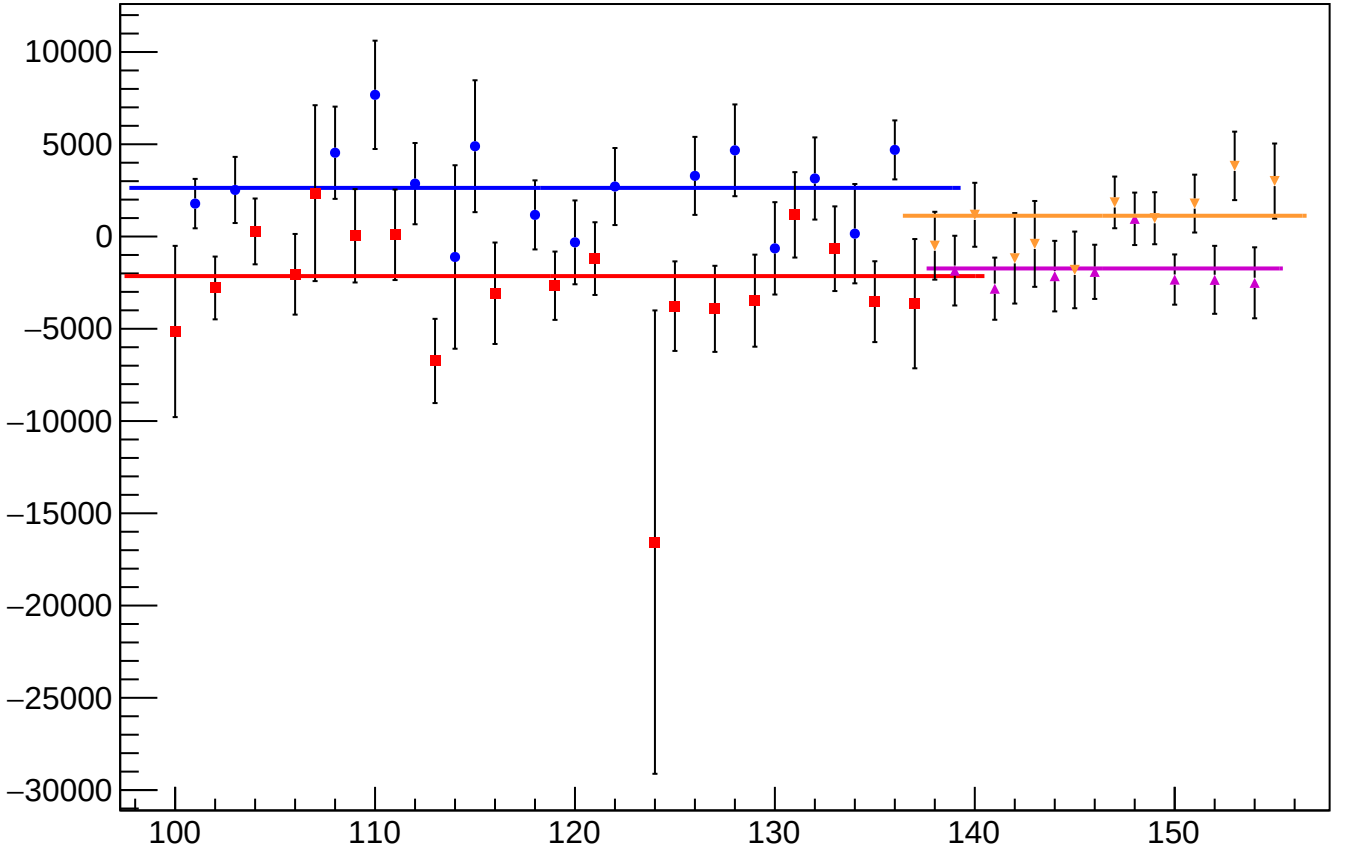
Left In: 378.699+/-0.101 χ^2/NDF:37.7/7

+ sign 378.387+/-0.069 χ^2/NDF: 1112.7/25

All: 378.835+/-0.049 χ^2/NDF: 100928.7/52

- sign 379.305+/-0.070 χ^2/NDF: 99729.1/26

asym_us_agg_avg_mean vs Slug



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

Left Out: 1125.779+/-562.285 χ^2/NDF:7.5/9

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

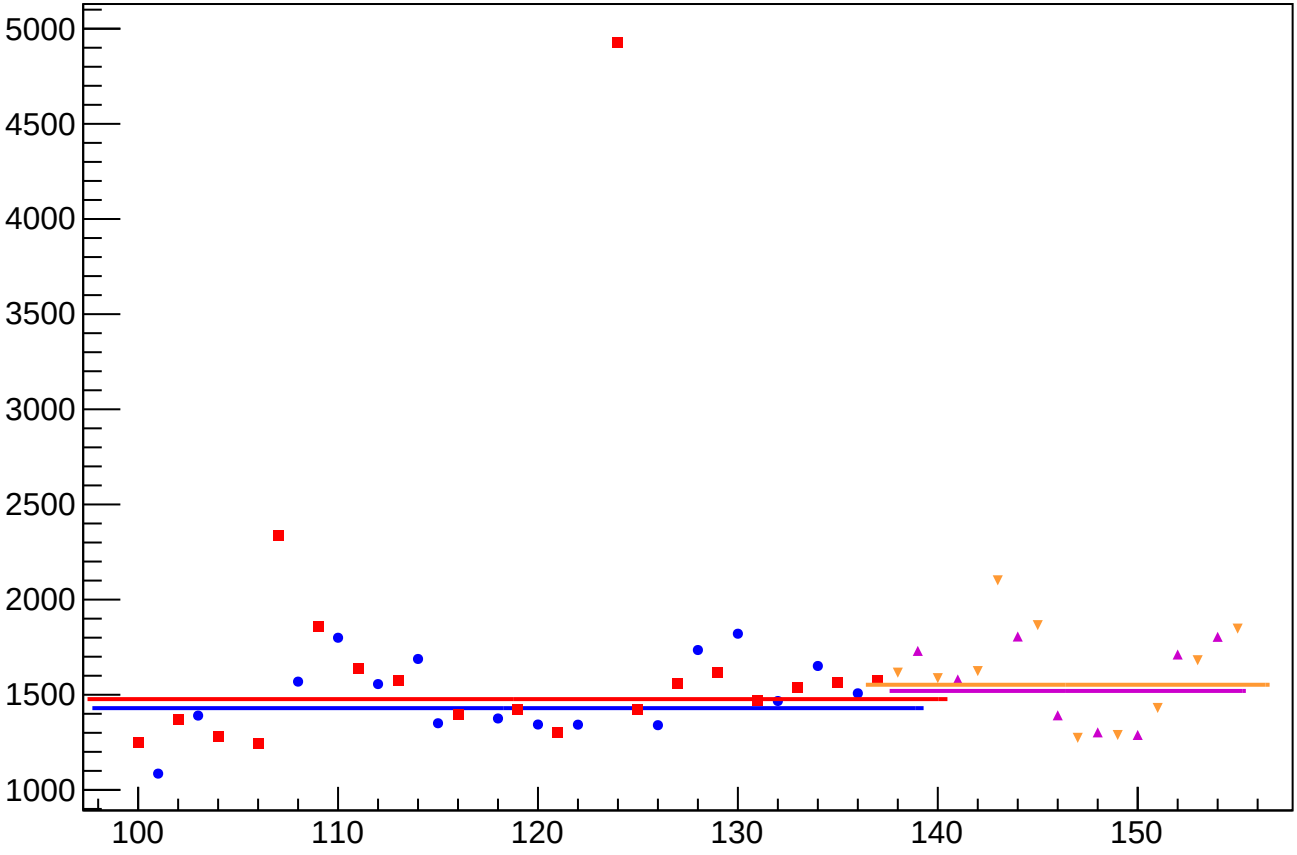
Left In: -1731.272+/-580.350 χ^2/NDF:4.5/7

+ sign 1913.843+/-388.738 χ^2/NDF: 23.5/25

All: 27.529+/-278.110 χ^2/NDF: 91.6/52

- sign -1950.150+/-398.041 χ^2/NDF: 19.9/26

asym_us_agg_avg_rms vs Slug



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

Left Out: 1552.581+/-0.398 χ^2/NDF:374813.9/9

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

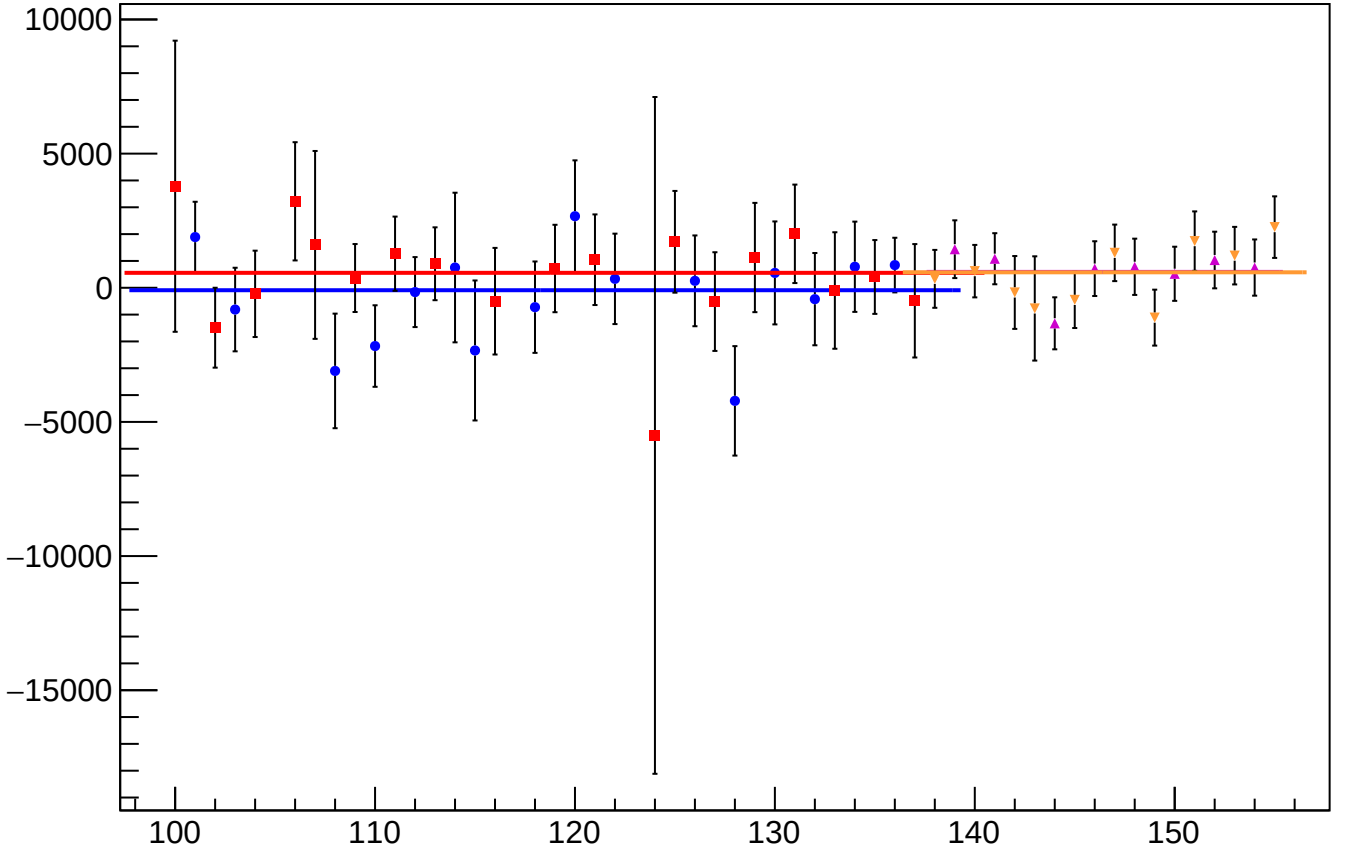
Left In: 1520.115+/-0.410 χ^2/NDF:257198.6/7

+ sign 1488.410+/-0.275 χ^2/NDF: 718103.5/25

All: 1492.773+/-0.197 χ^2/NDF: 1351060.7/52

- sign 1497.348+/-0.281 χ^2/NDF: 632441.0/26

asym_us_agg_dd_mean vs Slug



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

Left Out: 576.341+/-356.099 χ^2/NDF:8.5/9

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

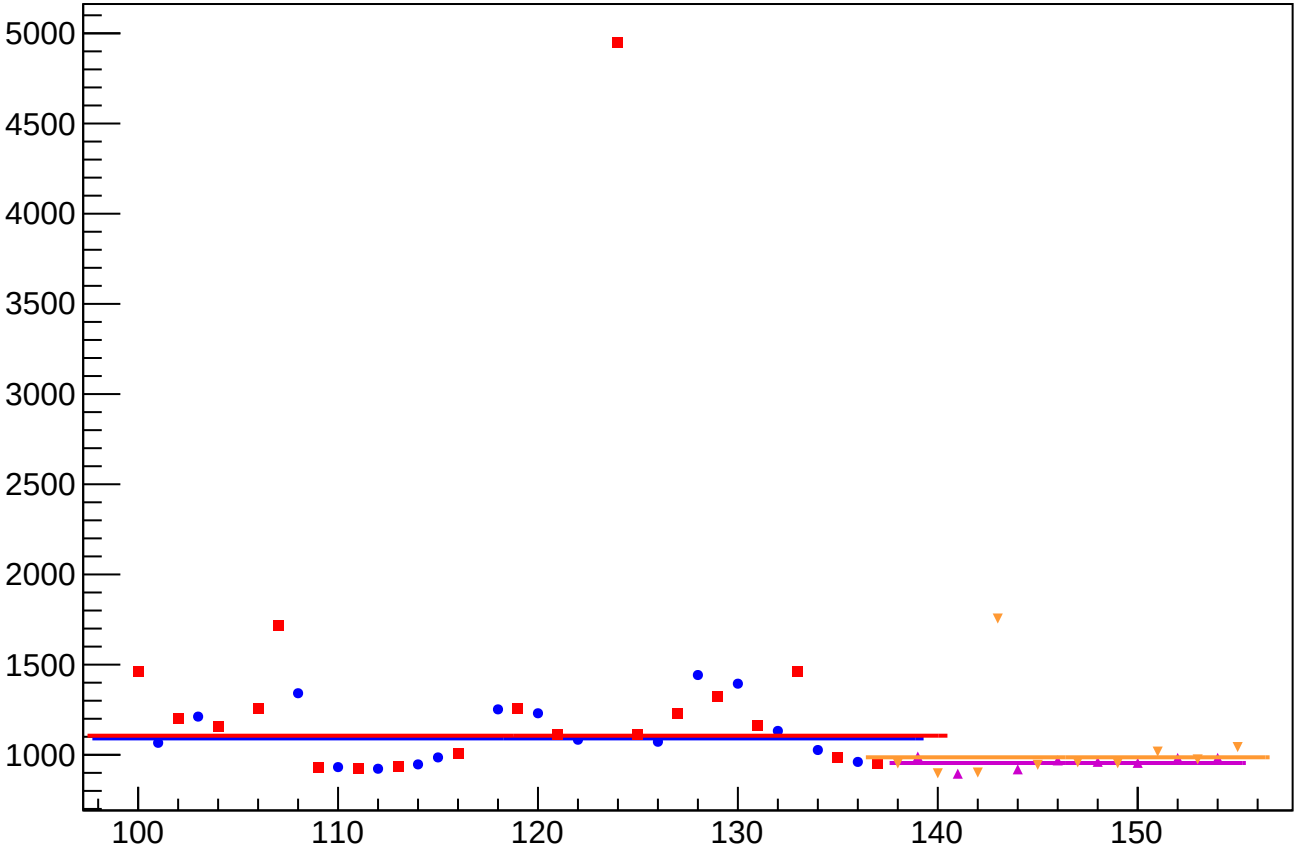
Left In: 591.363+/-360.593 χ^2/NDF:5.0/7

\+ sign 289.226+/-268.839 χ^2/NDF: 24.5/25

All: 431.562+/-190.912 χ^2/NDF: 36.9/52

\- sign 576.362+/-271.156 χ^2/NDF: 11.8/26

asym_us_agg_dd_rms vs Slug



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

Left Out: 986.340+/-0.252 χ^2/NDF:352983.0/9

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

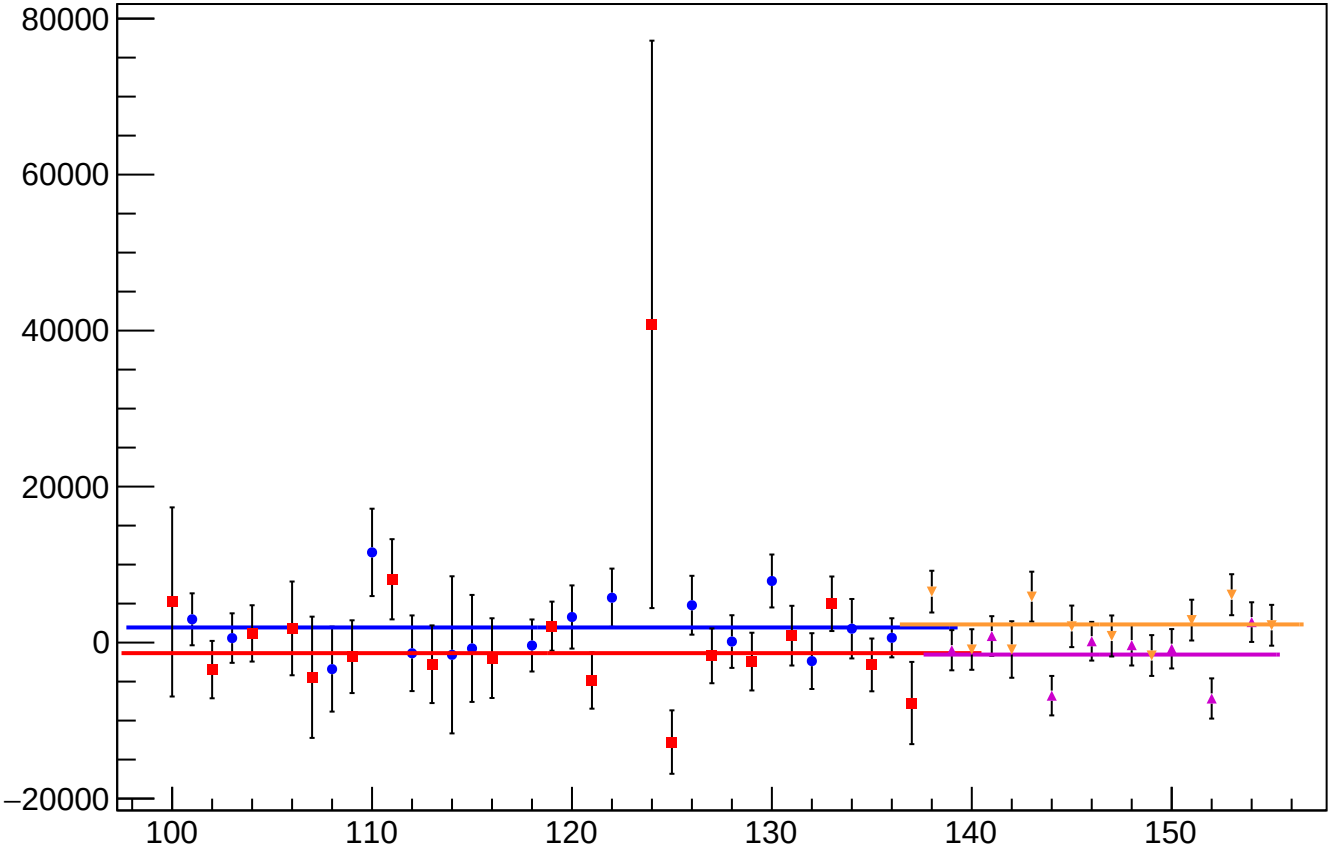
Left In: 954.696+/-0.255 χ^2/NDF:15902.3/7

+ sign 1031.365+/-0.190 χ^2/NDF: 704641.8/25

All: 1025.961+/-0.135 χ^2/NDF: 1389376.4/52

- sign 1020.463+/-0.192 χ^2/NDF: 683104.1/26

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2327.708+/-866.948 χ^2/NDF:10.8/9

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

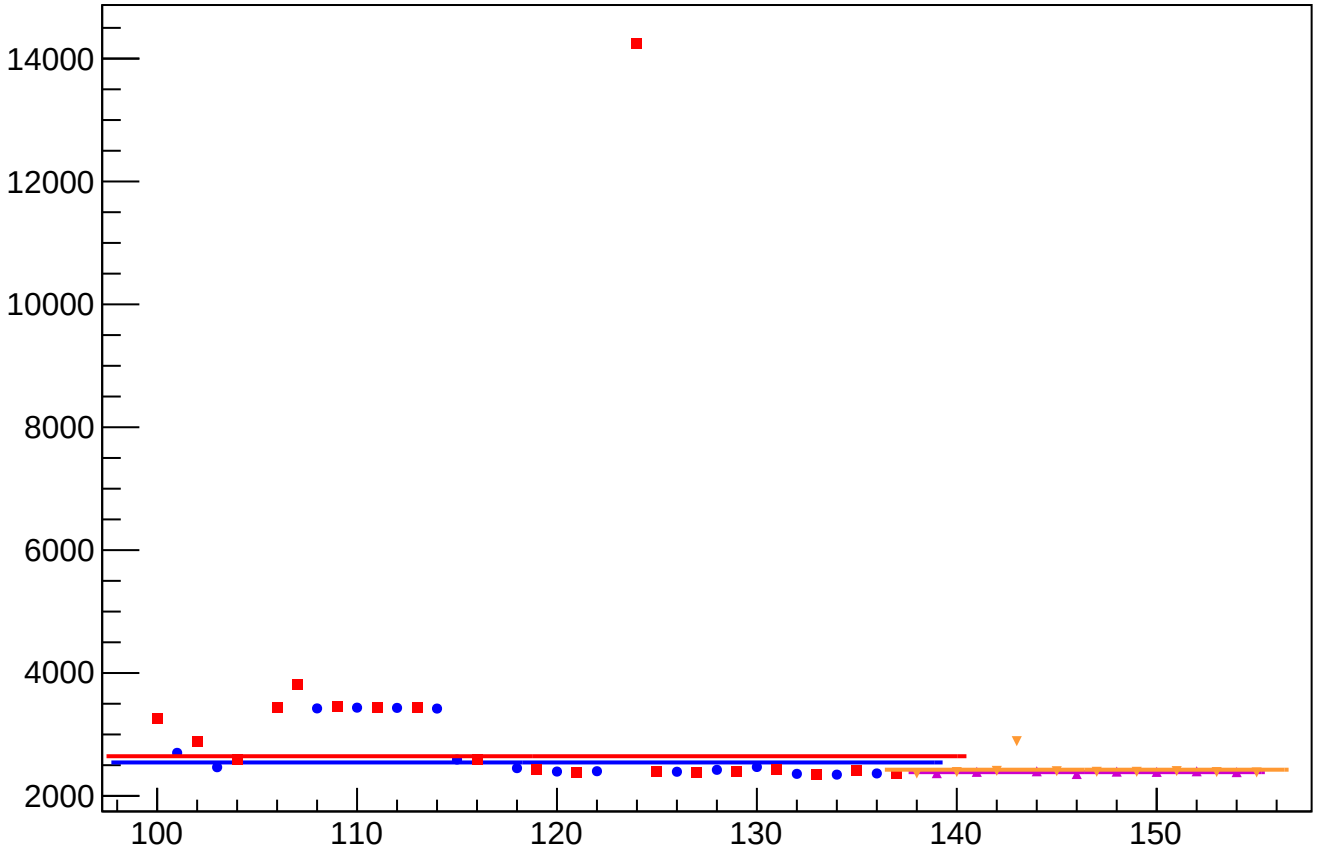
Left In: -1537.157+/-900.674 χ^2/NDF:13.5/7

+ sign 2151.896+/-641.153 χ^2/NDF: 23.2/25

All: 414.258+/-461.472 χ^2/NDF: 73.7/52

- sign -1453.503+/-664.726 χ^2/NDF: 35.3/26

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2426.407+/-0.613 χ^2/NDF:45727.1/9

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

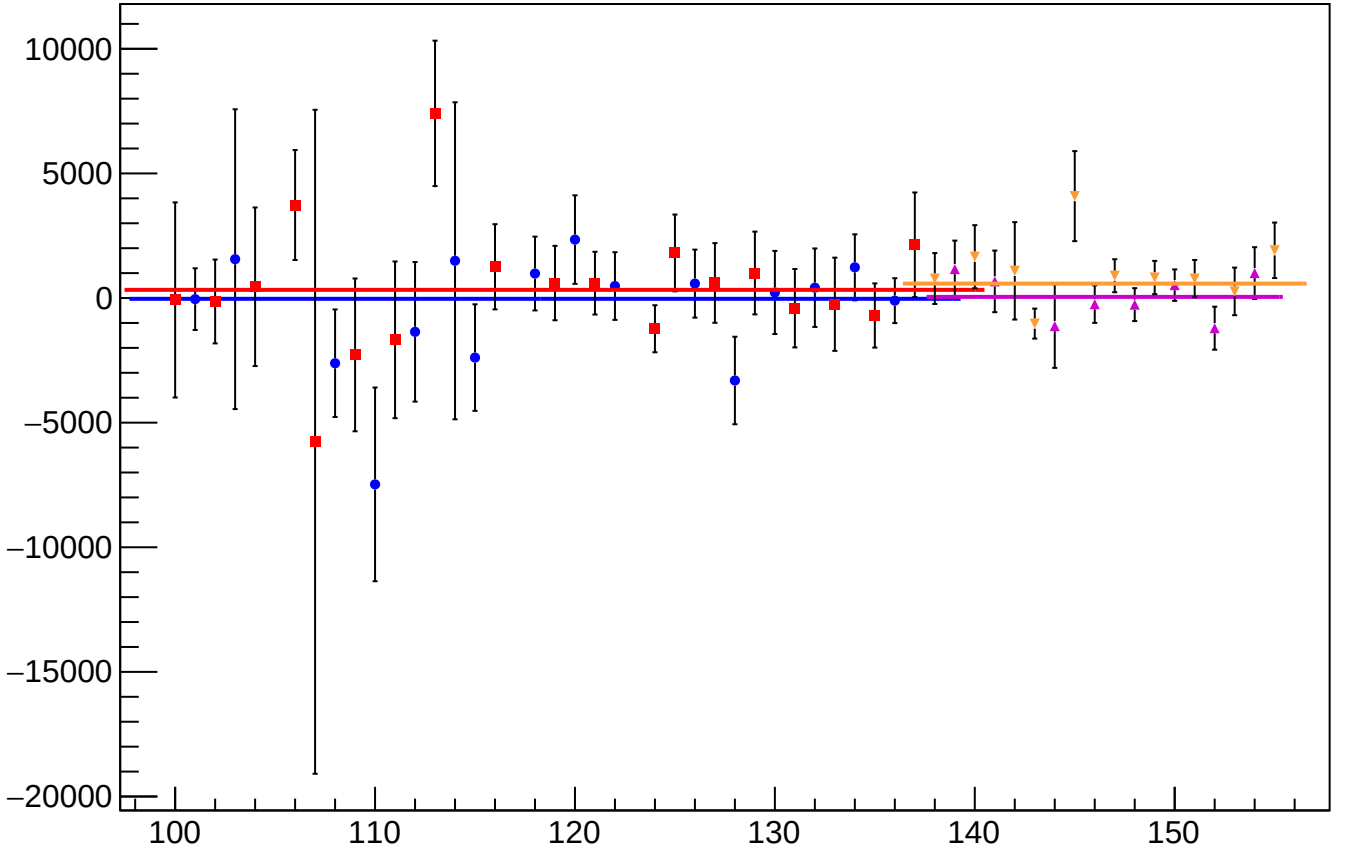
Left In: 2386.555+/-0.637 χ^2/NDF:531.4/7

+ sign 2479.873+/-0.453 χ^2/NDF: 288130.3/25

All: 2491.753+/-0.326 χ^2/NDF: 902406.1/52

- sign 2504.522+/-0.470 χ^2/NDF: 612851.1/26

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 579.802+/-275.804 χ^2/NDF:13.7/9

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

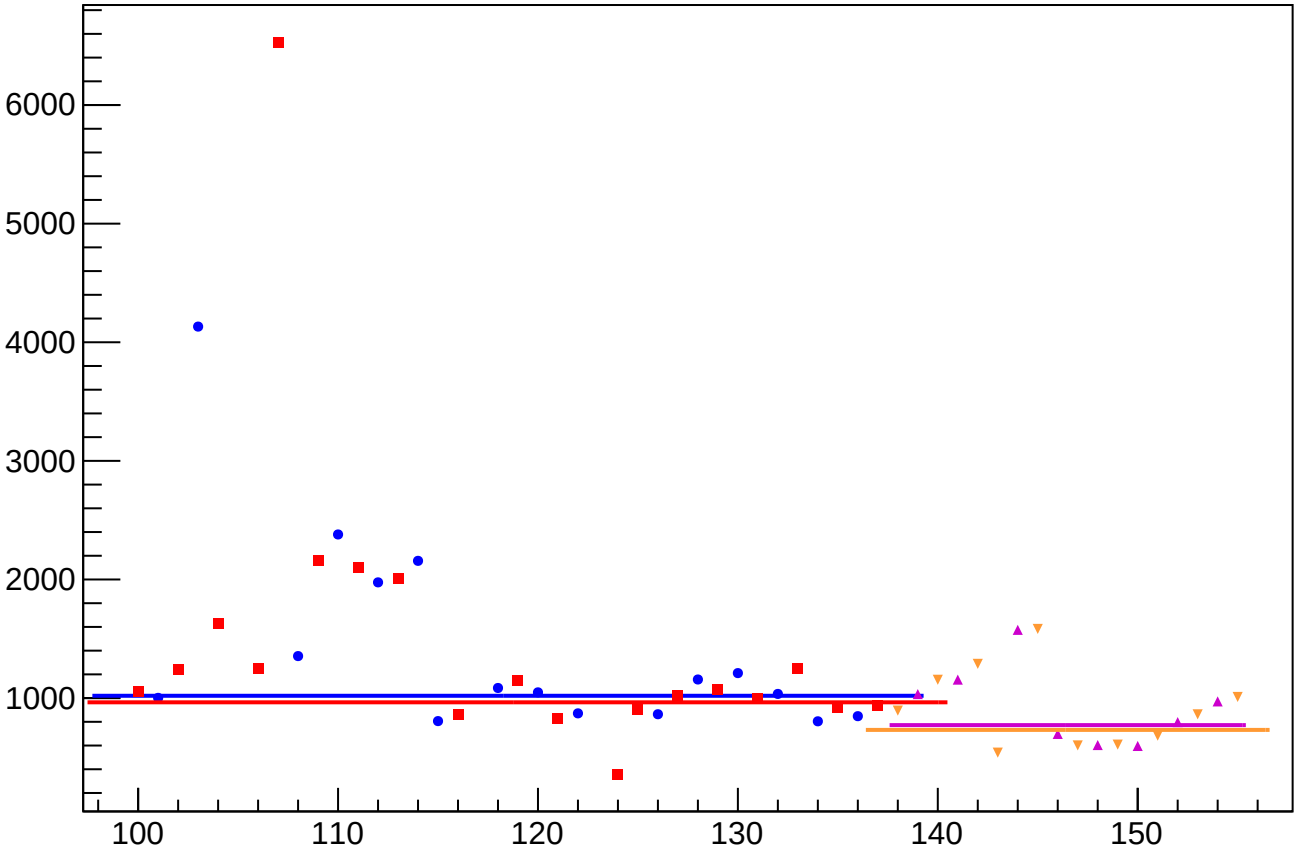
Left In: 46.223+/-306.907 χ^2/NDF:5.6/7

+ sign 386.697+/-228.093 χ^2/NDF: 29.0/25

All: 276.514+/-166.361 χ^2/NDF: 51.1/52

- sign 151.285+/-243.169 χ^2/NDF: 21.5/26

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 731.790+/-0.195 χ^2/NDF:1402181.4/9

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

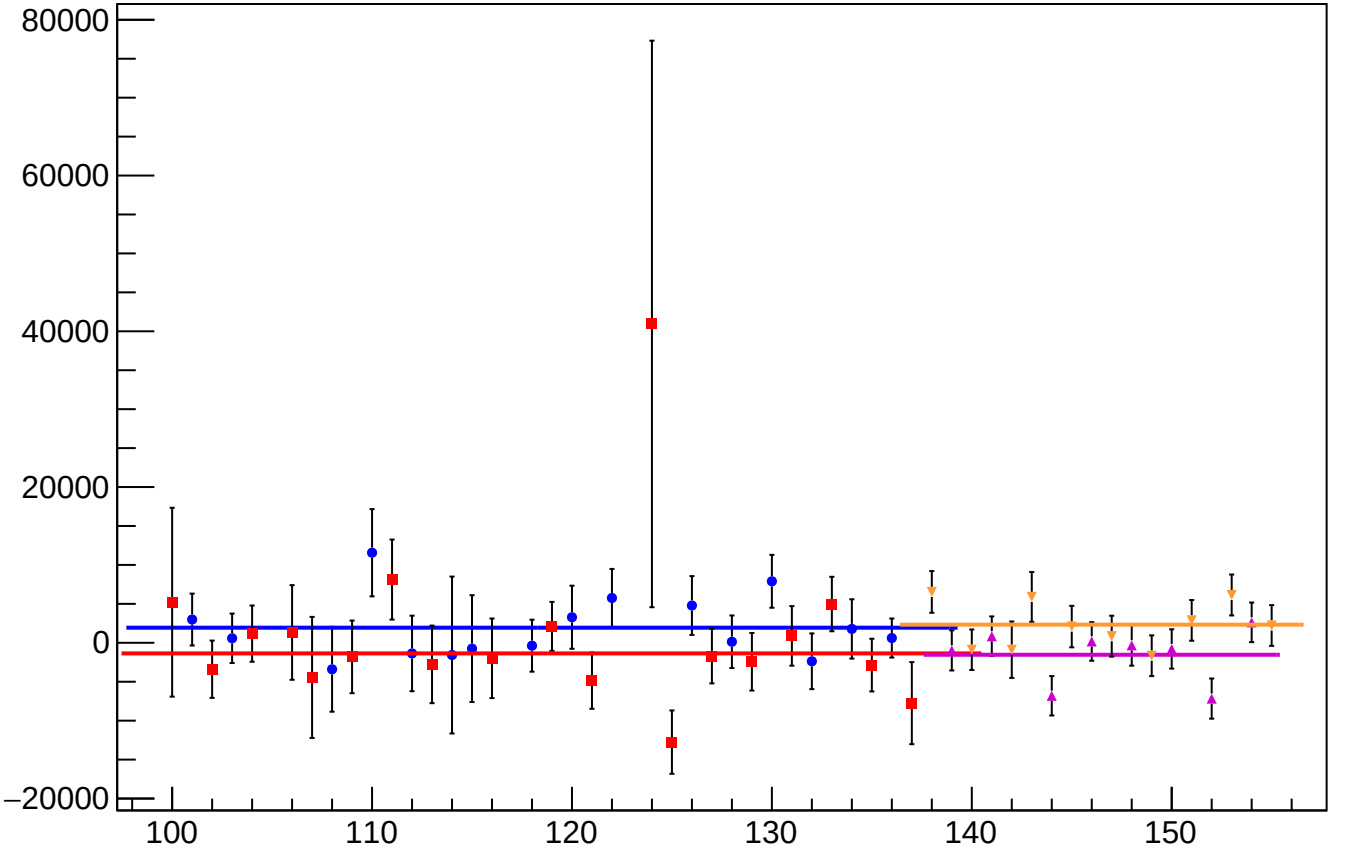
Left In: 772.147+/-0.217 χ^2/NDF:1135621.2/7

+ sign 822.728+/-0.161 χ^2/NDF: 3454893.3/25

All: 832.545+/-0.118 χ^2/NDF: 7199850.5/52

- sign 843.702+/-0.172 χ^2/NDF: 3737042.5/26

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2327.569+/-866.948 χ^2/NDF:10.8/9

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

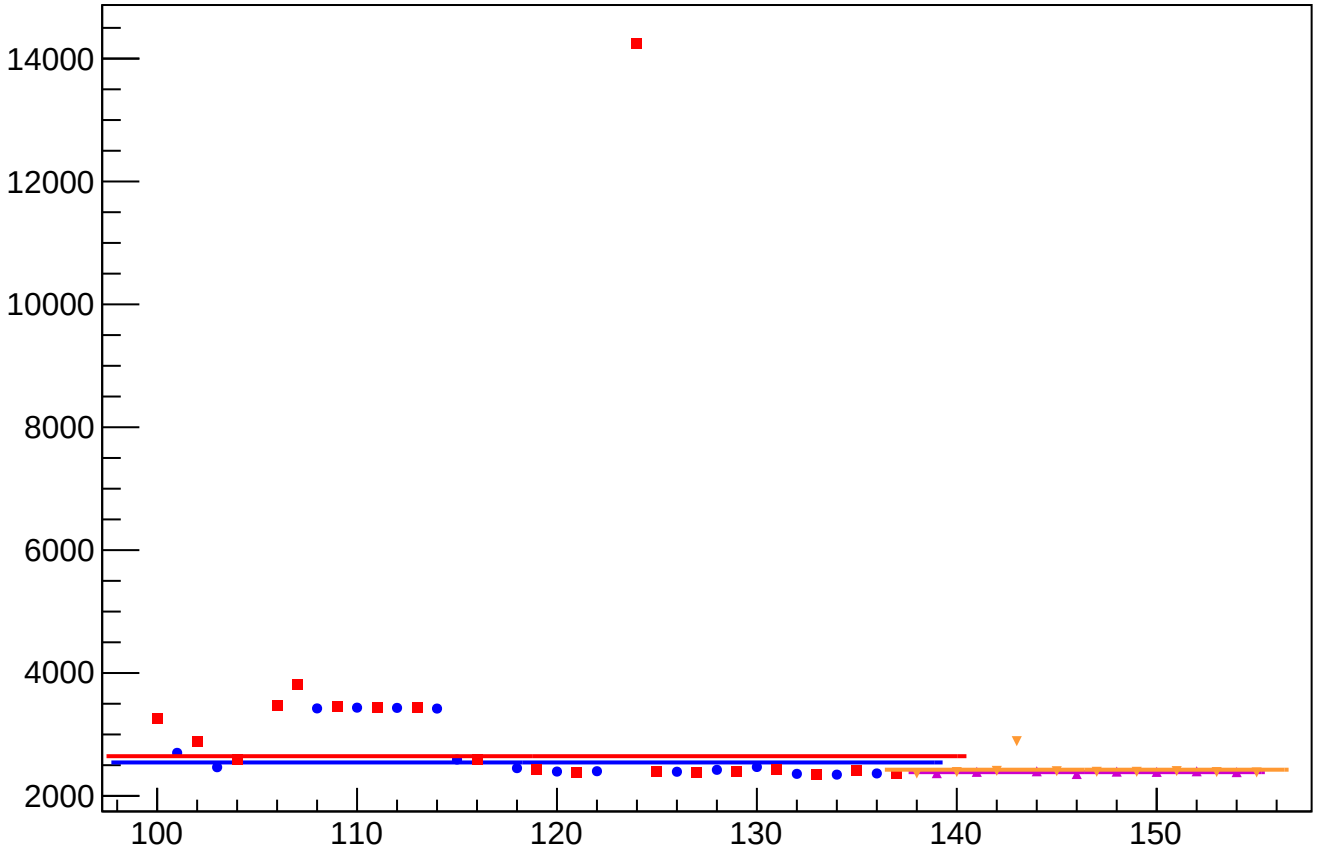
Left In: -1537.405+/-900.674 χ^2/NDF:13.5/7

+ sign 2151.978+/-641.153 χ^2/NDF: 23.2/25

All: 412.353+/-461.503 χ^2/NDF: 73.6/52

- sign -1458.063+/-664.818 χ^2/NDF: 35.2/26

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2426.407+/-0.613 χ^2/NDF:45727.1/9

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

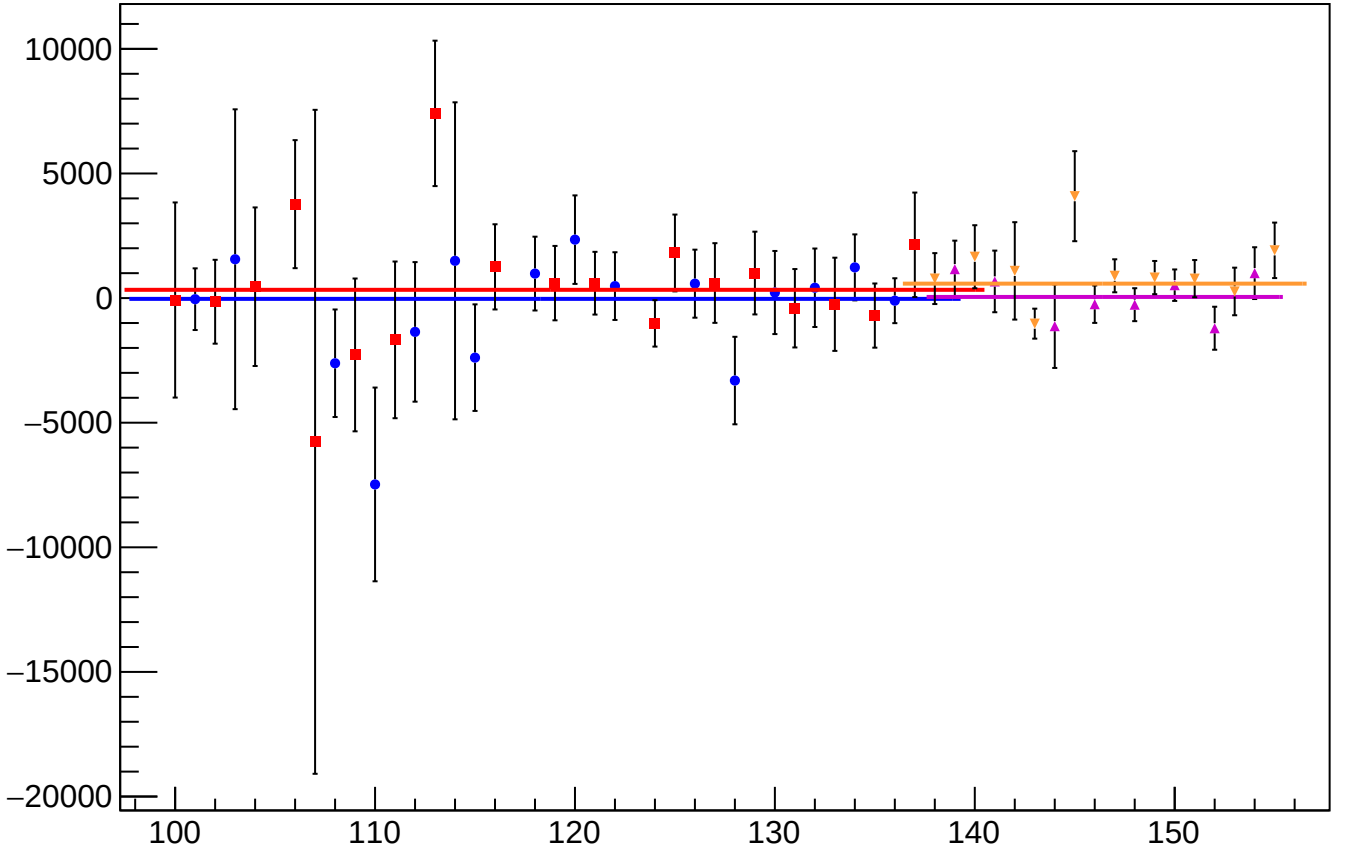
Left In: 2386.555+/-0.637 χ^2/NDF:531.4/7

+ sign 2479.873+/-0.453 χ^2/NDF: 288130.3/25

All: 2491.854+/-0.326 χ^2/NDF: 905311.1/52

- sign 2504.736+/-0.470 χ^2/NDF: 615731.5/26

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 579.721+/-275.808 χ^2/NDF:13.7/9

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

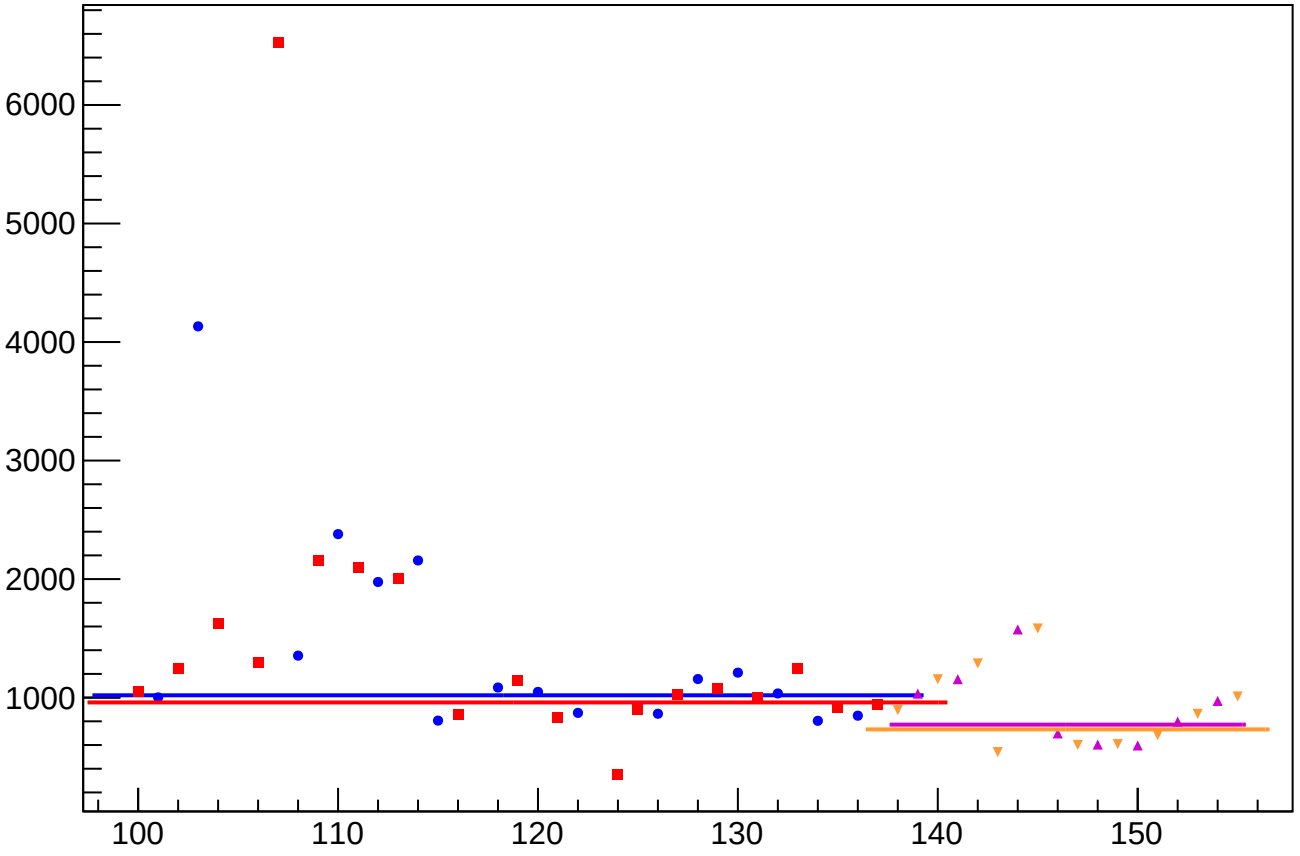
Left In: 46.087+/-306.905 χ^2/NDF:5.6/7

+ sign 386.616+/-228.095 χ^2/NDF: 29.0/25

All: 277.000+/-166.416 χ^2/NDF: 49.8/52

- sign 152.241+/-243.341 χ^2/NDF: 20.3/26

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.801+/-0.195 χ^2/NDF:1402118.0/9

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

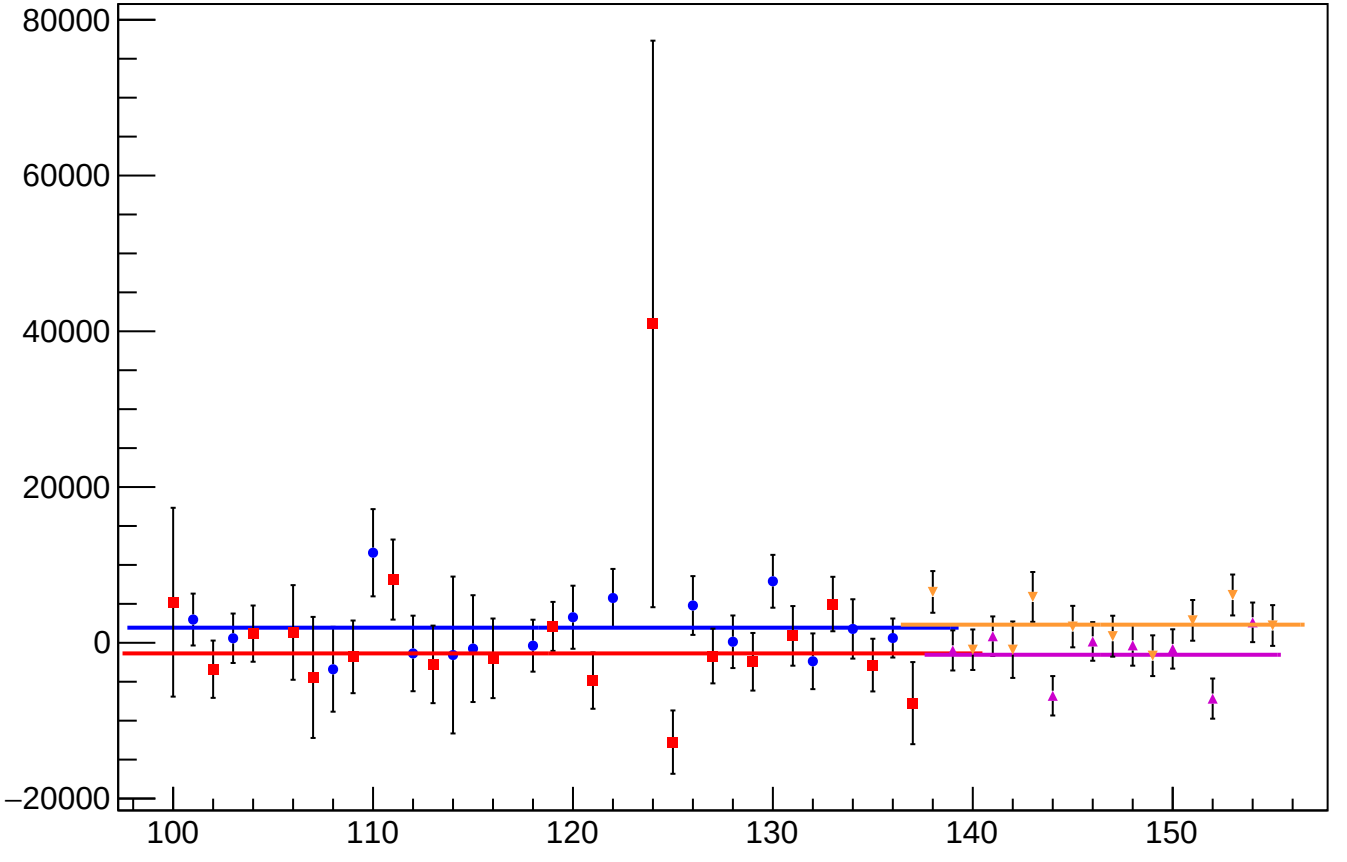
Left In: 772.140+/-0.217 χ^2/NDF:1135684.4/7

+ sign 822.736+/-0.161 χ^2/NDF: 3454729.6/25

All: 831.584+/-0.118 χ^2/NDF: 7217603.3/52

- sign 841.654+/-0.172 χ^2/NDF: 3756439.1/26

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2327.569+/-866.948 χ^2/NDF:10.8/9

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

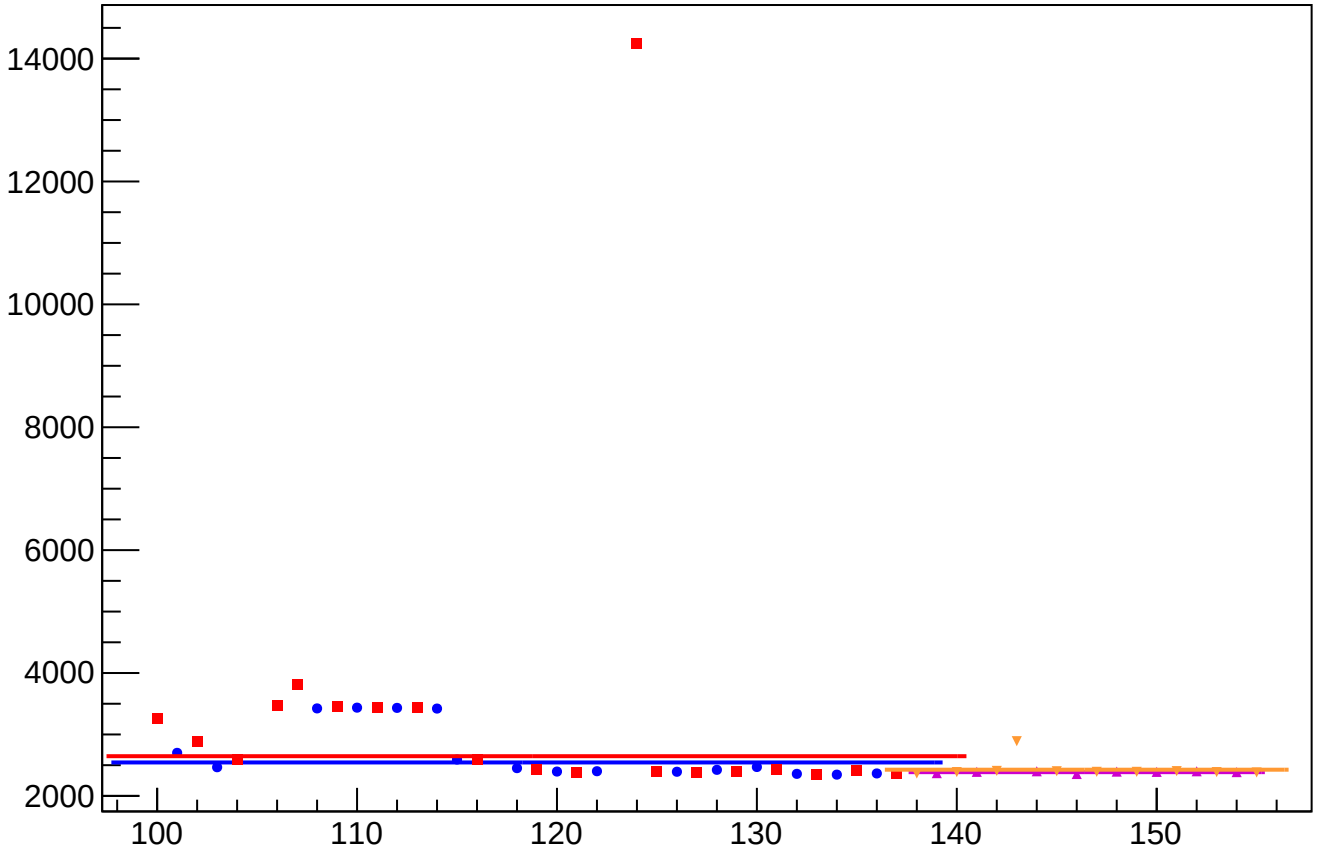
Left In: -1537.405+/-900.674 χ^2/NDF:13.5/7

+ sign 2151.978+/-641.153 χ^2/NDF: 23.2/25

All: 412.353+/-461.503 χ^2/NDF: 73.6/52

- sign -1458.063+/-664.818 χ^2/NDF: 35.2/26

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2426.407+/-0.613 χ^2/NDF:45727.1/9

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

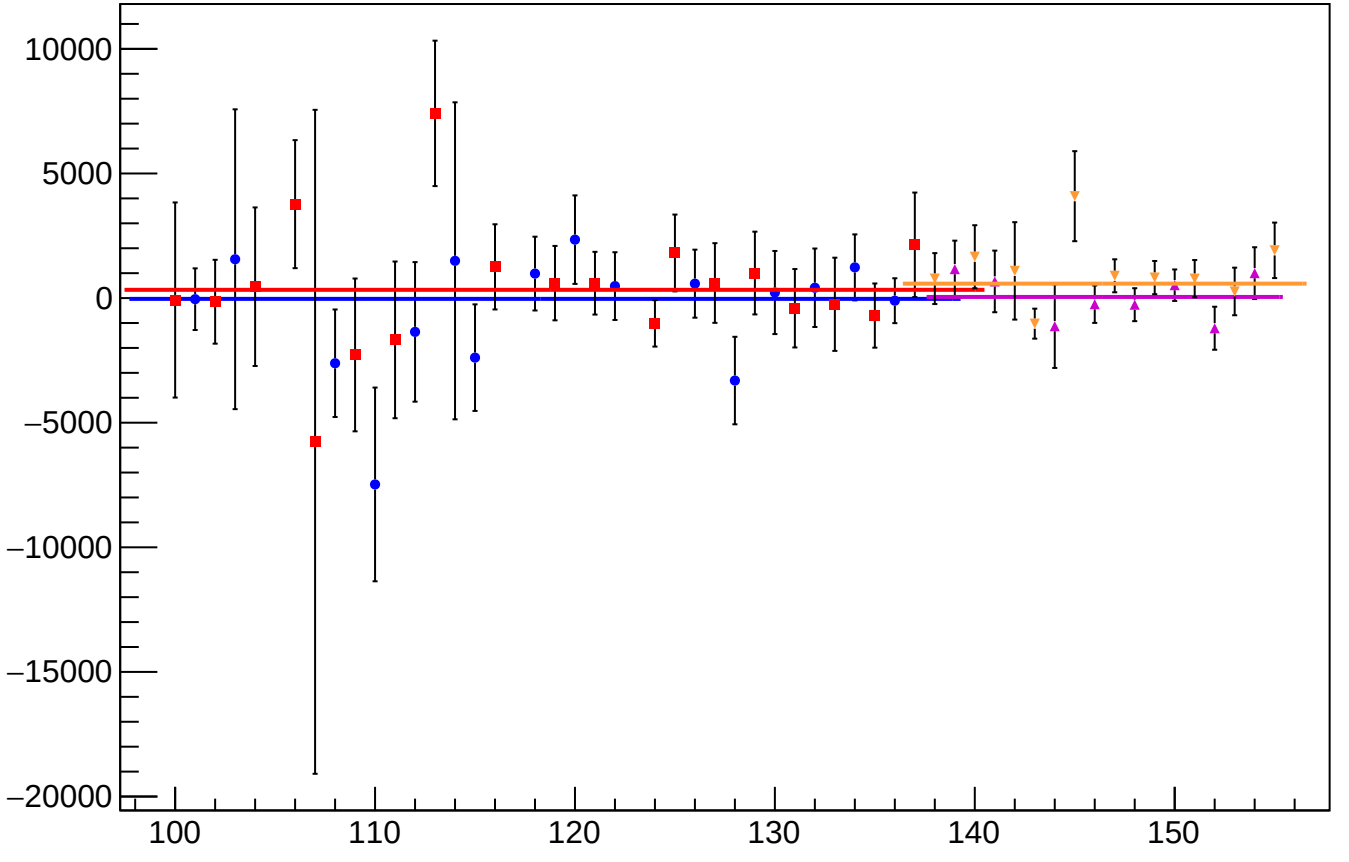
Left In: 2386.555+/-0.637 χ^2/NDF:531.4/7

+ sign 2479.873+/-0.453 χ^2/NDF: 288130.3/25

All: 2491.854+/-0.326 χ^2/NDF: 905311.1/52

- sign 2504.736+/-0.470 χ^2/NDF: 615731.5/26

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 579.721+/-275.808 χ^2/NDF:13.7/9

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

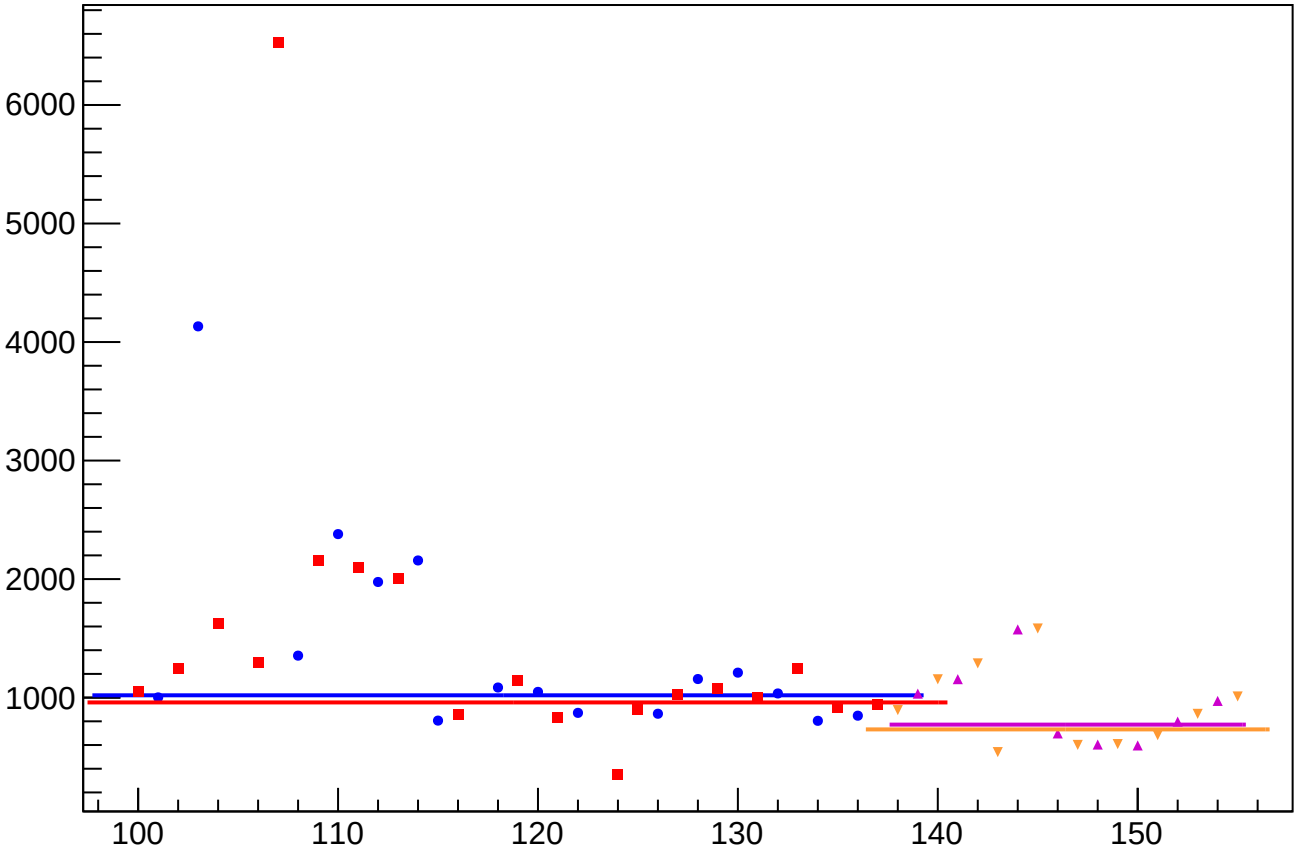
Left In: 46.087+/-306.905 χ^2/NDF:5.6/7

+ sign 386.616+/-228.095 χ^2/NDF: 29.0/25

All: 277.000+/-166.416 χ^2/NDF: 49.8/52

- sign 152.241+/-243.341 χ^2/NDF: 20.3/26

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.801+/-0.195 χ^2/NDF:1402118.0/9

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

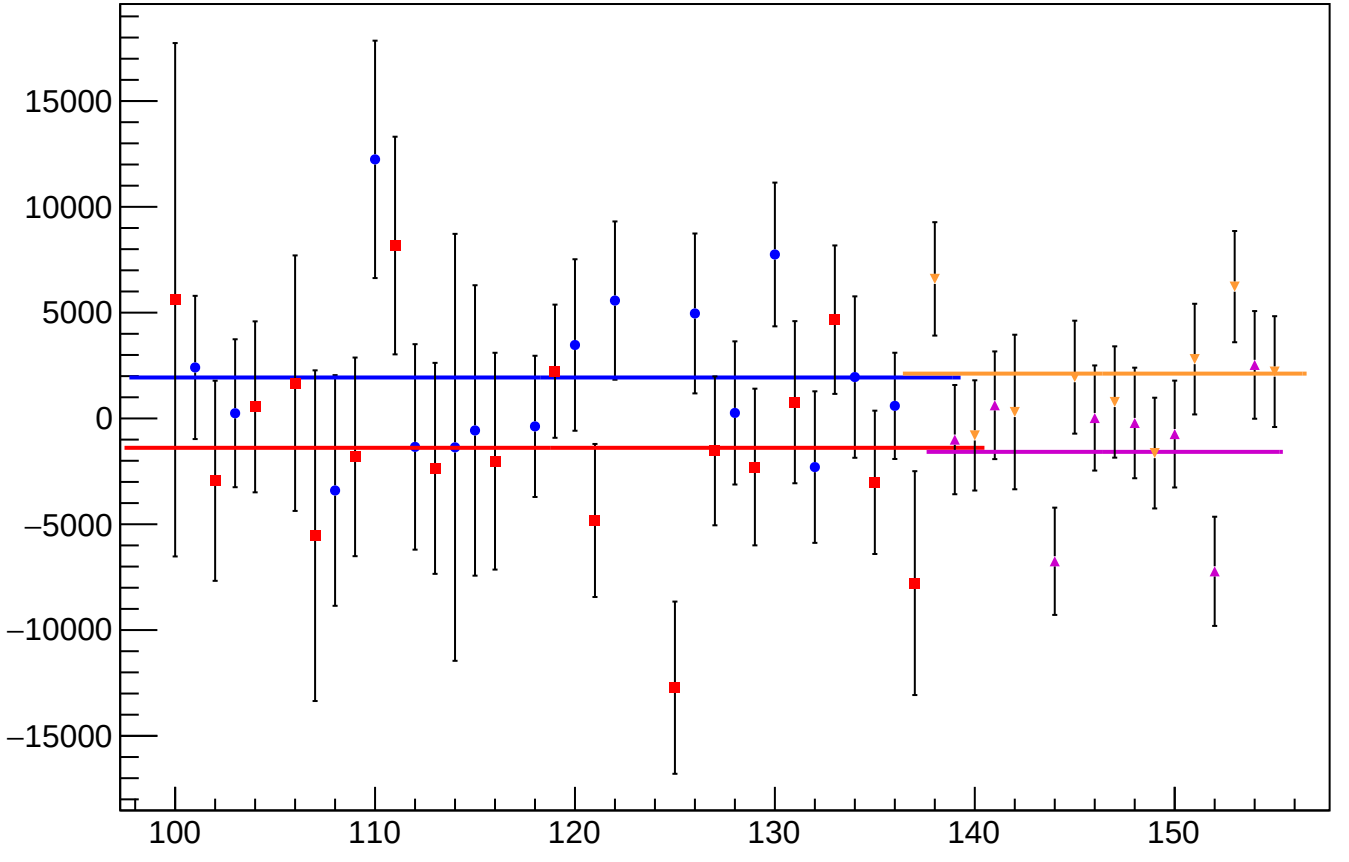
Left In: 772.140+/-0.217 χ^2/NDF:1135684.4/7

+ sign 822.736+/-0.161 χ^2/NDF: 3454729.6/25

All: 831.584+/-0.118 χ^2/NDF: 7217603.3/52

- sign 841.654+/-0.172 χ^2/NDF: 3756439.1/26

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2118.883+/-901.889 χ^2/NDF:9.1/8

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

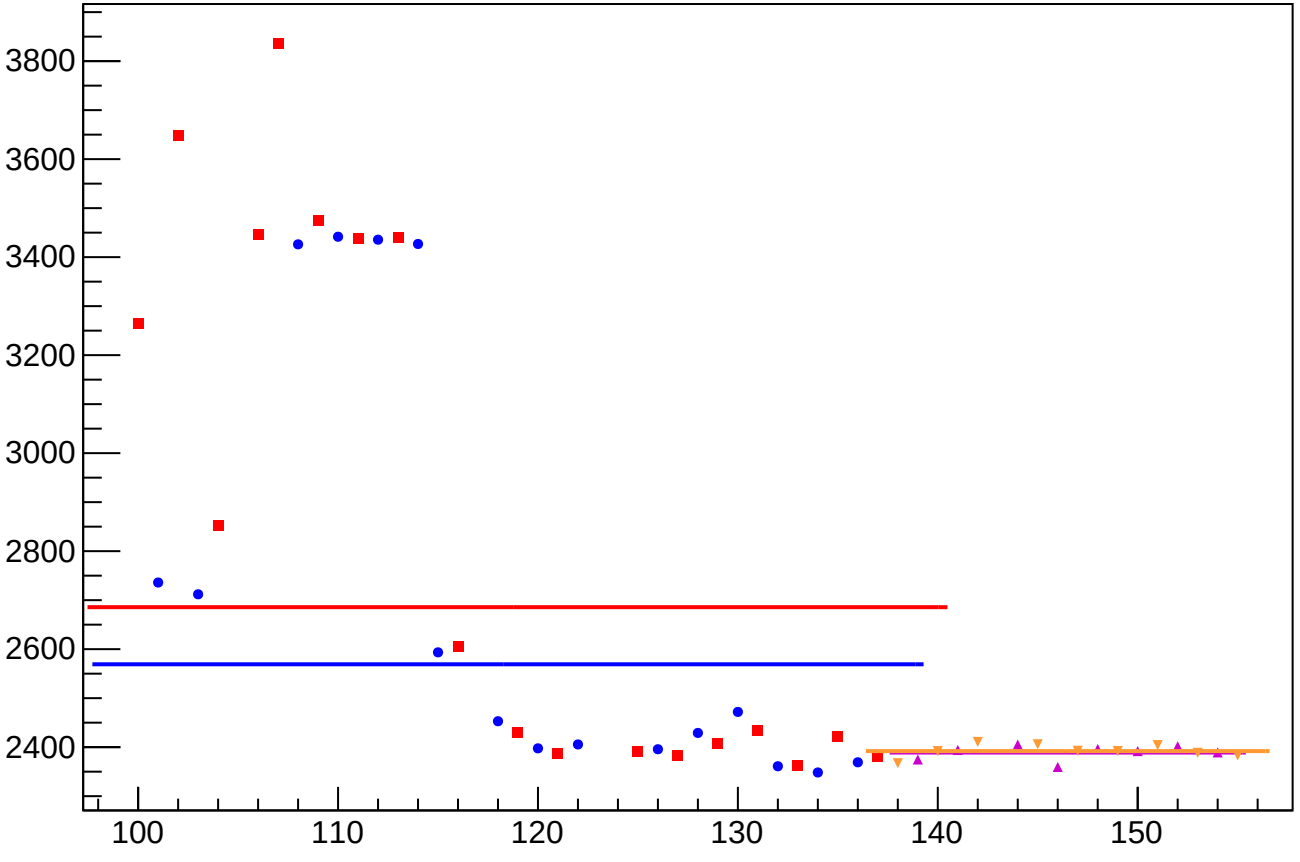
Left In: -1578.928+/-901.606 χ^2/NDF:13.2/7

+ sign 2033.360+/-658.060 χ^2/NDF: 21.5/24

All: 307.543+/-470.285 χ^2/NDF: 68.5/50

- sign -1493.971+/-672.337 χ^2/NDF: 32.9/25

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2391.981+/-0.638 χ^2/NDF:347.1/8

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

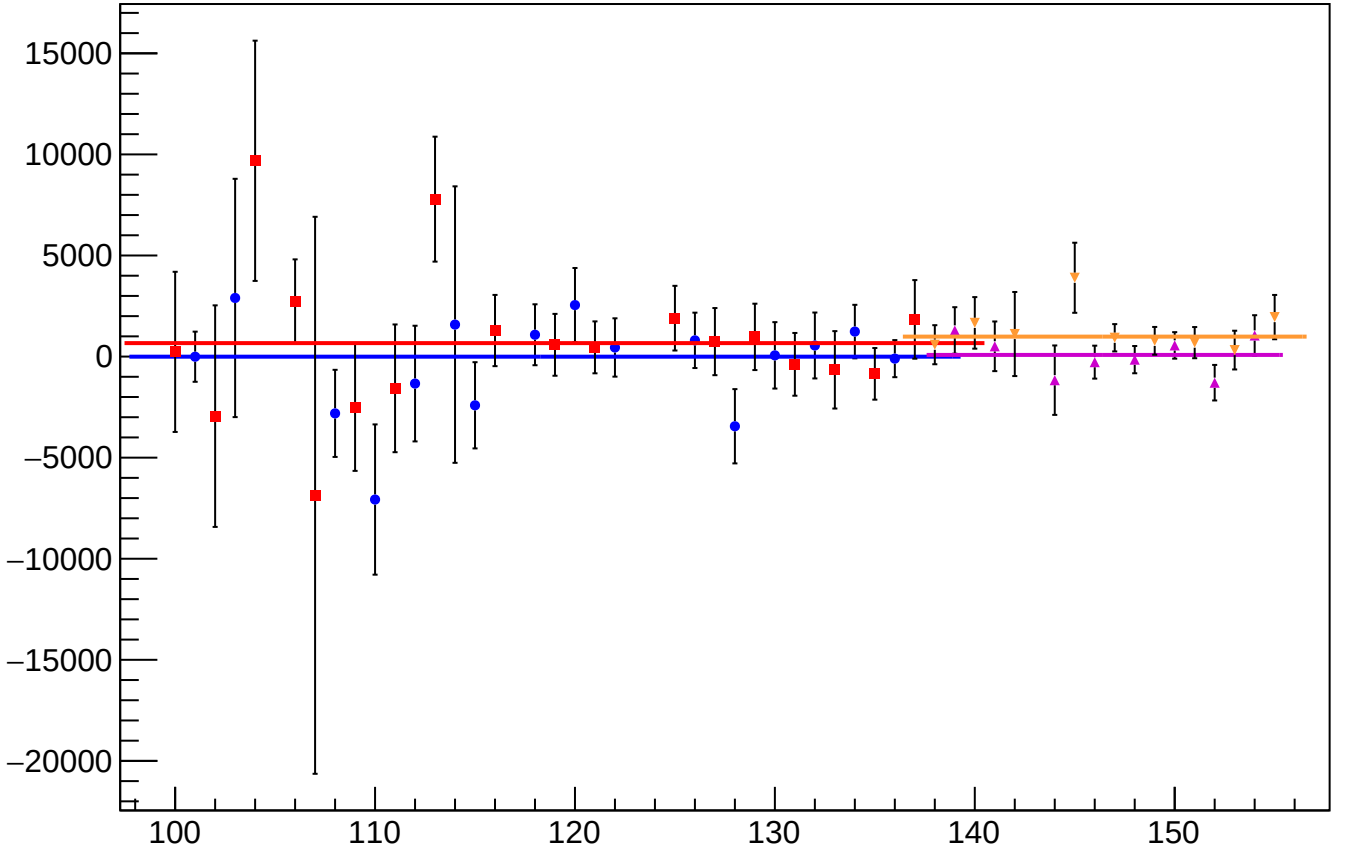
Left In: 2389.003+/-0.638 χ^2/NDF:500.4/7

+ sign 2474.819+/-0.465 χ^2/NDF: 265916.6/24

All: 2497.267+/-0.333 χ^2/NDF: 786566.6/50

- sign 2520.700+/-0.475 χ^2/NDF: 515893.2/25

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 986.948+/-313.645 χ^2/NDF:4.8/8

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

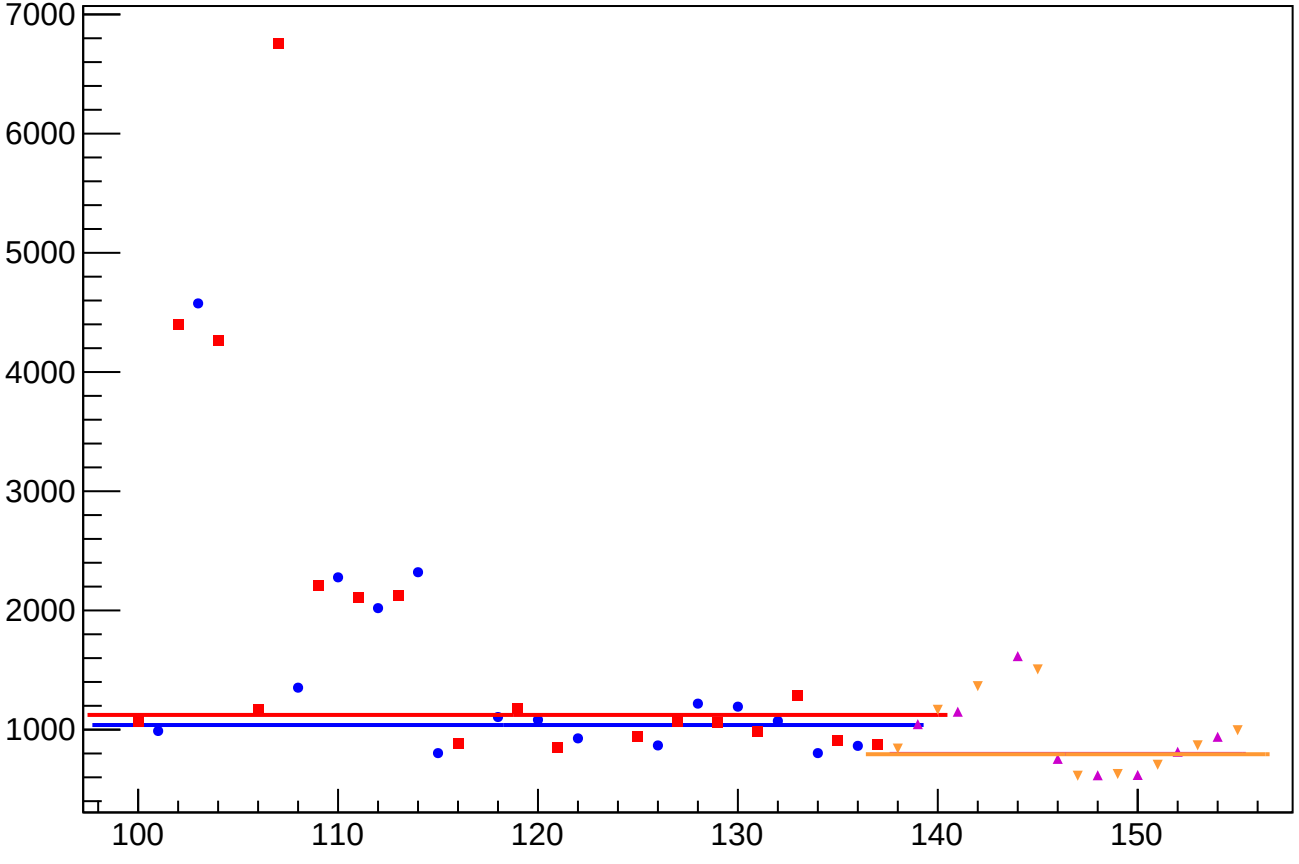
Left In: 81.574+/-314.947 χ^2/NDF:5.9/7

+ sign 623.213+/-249.614 χ^2/NDF: 23.0/24

All: 452.723+/-180.052 χ^2/NDF: 45.4/50

- sign 267.800+/-259.965 χ^2/NDF: 21.4/25

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 793.804+/-0.222 χ^2/NDF:1028695.4/8

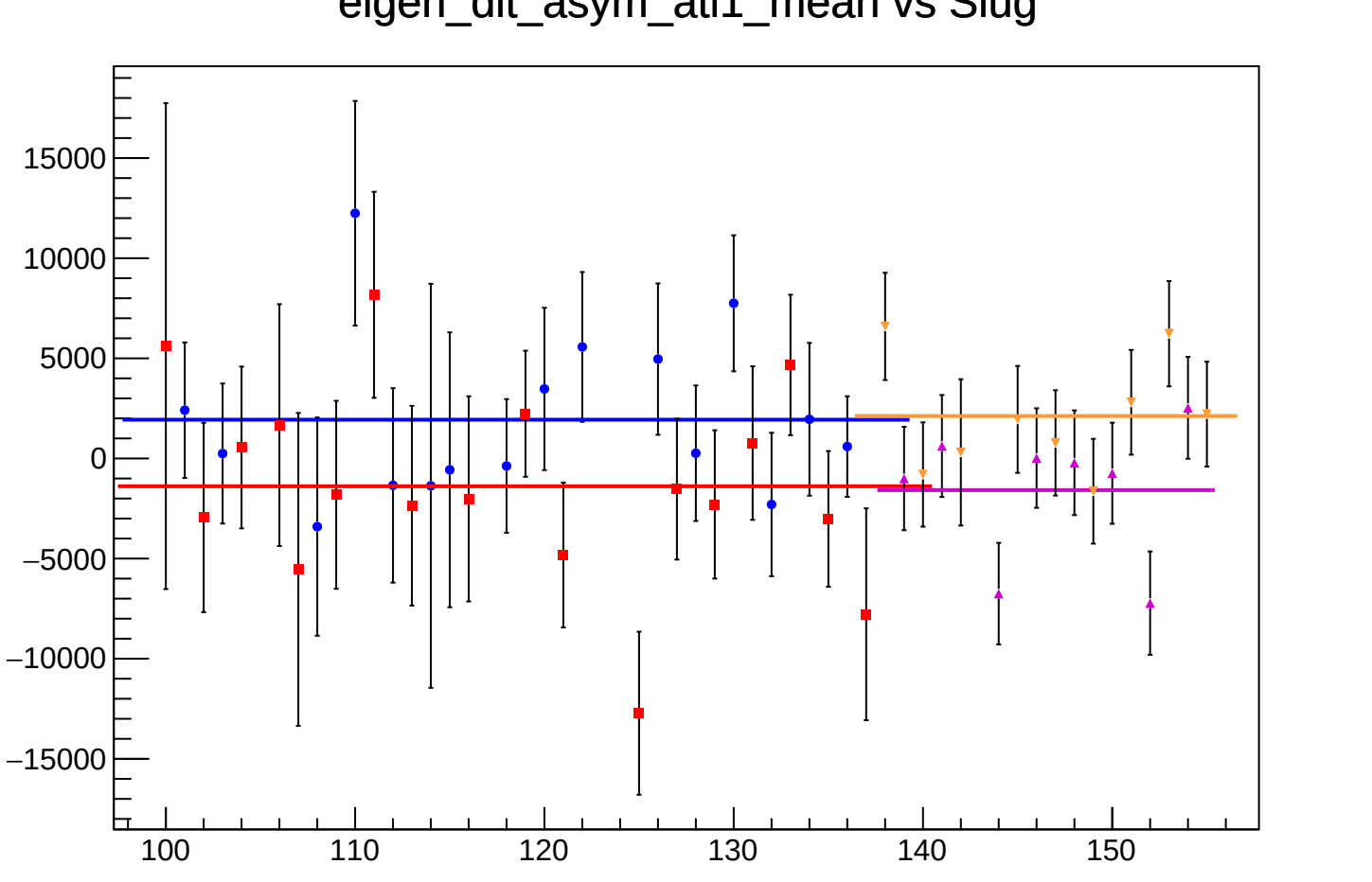
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 796.577+/-0.223 χ^2/NDF:1050446.4/7

+ sign 883.627+/-0.177 χ^2/NDF: 3015831.2/24

All: 891.841+/-0.127 χ^2/NDF: 7292938.1/50

- sign 900.750+/-0.184 χ^2/NDF: 4272592.1/25



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2118.885+/-901.889 χ^2/NDF:9.1/8

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

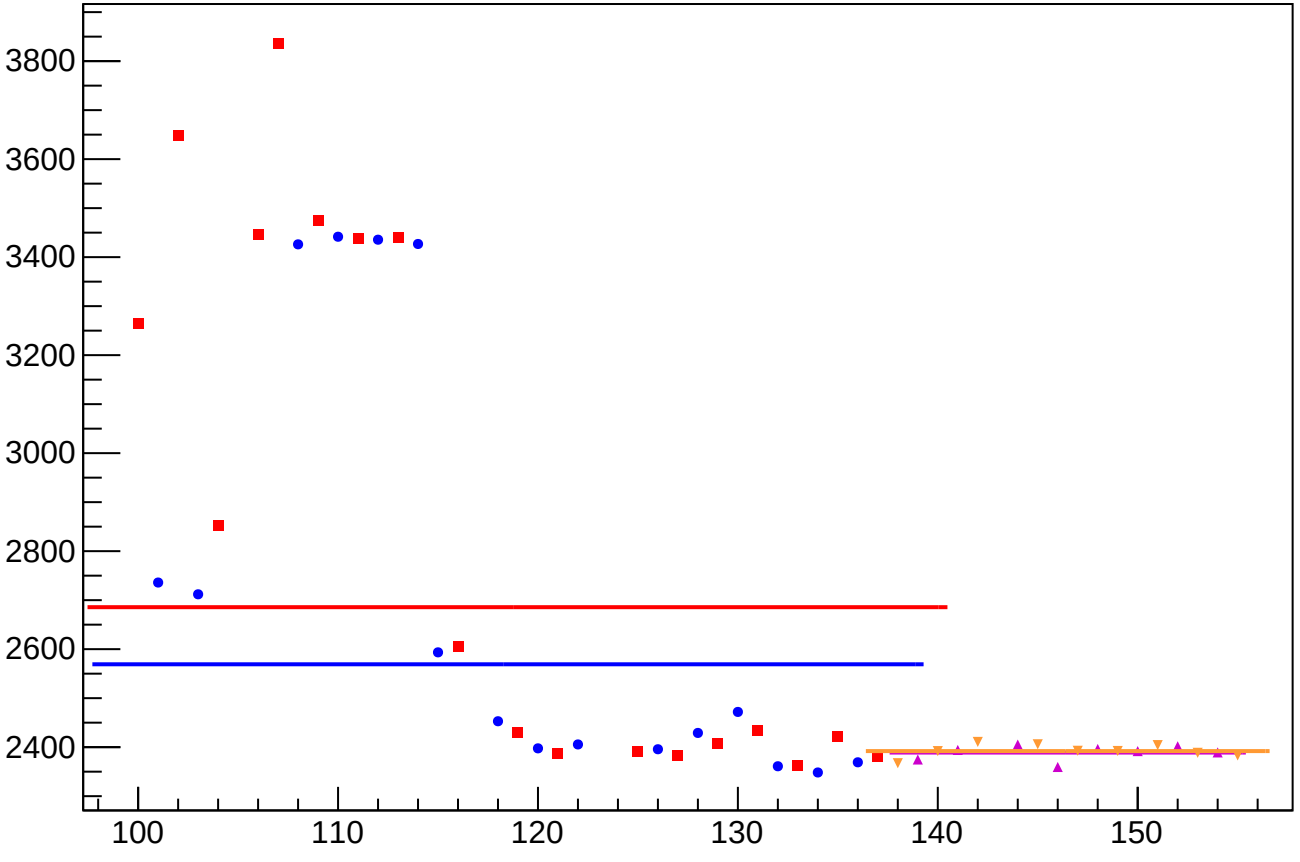
Left In: -1578.927+/-901.606 χ^2/NDF:13.2/7

+ sign 2033.360+/-658.060 χ^2/NDF: 21.5/24

All: 307.544+/-470.285 χ^2/NDF: 68.5/50

- sign -1493.970+/-672.337 χ^2/NDF: 32.9/25

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2391.981+/-0.638 χ^2/NDF:347.1/8

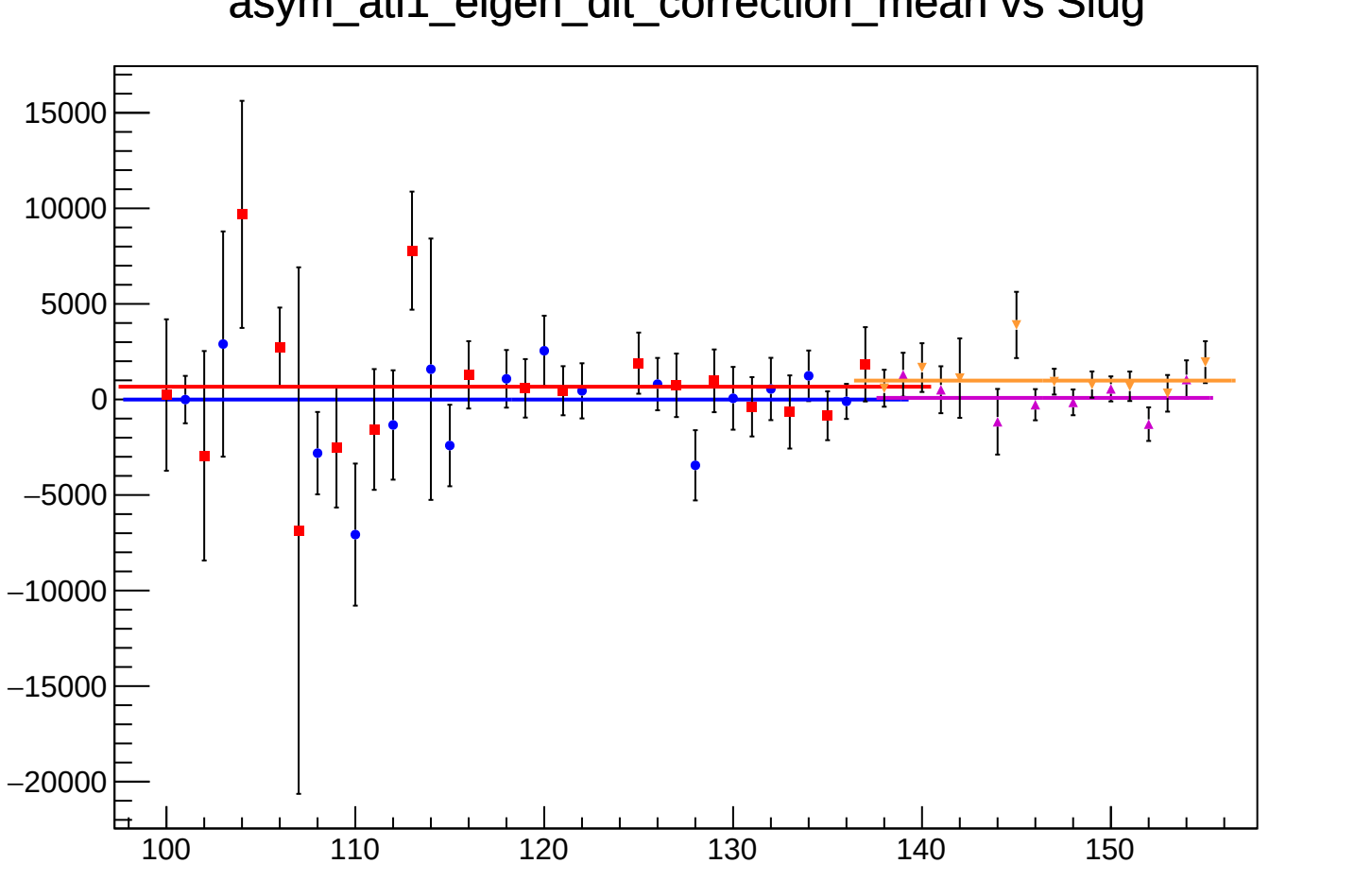
Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2389.003+/-0.638 χ^2/NDF:500.4/7

+ sign 2474.819+/-0.465 χ^2/NDF: 265916.2/24

All: 2497.267+/-0.333 χ^2/NDF: 786565.4/50

- sign 2520.700+/-0.475 χ^2/NDF: 515892.3/25



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 986.949+/-313.646 χ^2/NDF:4.8/8

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

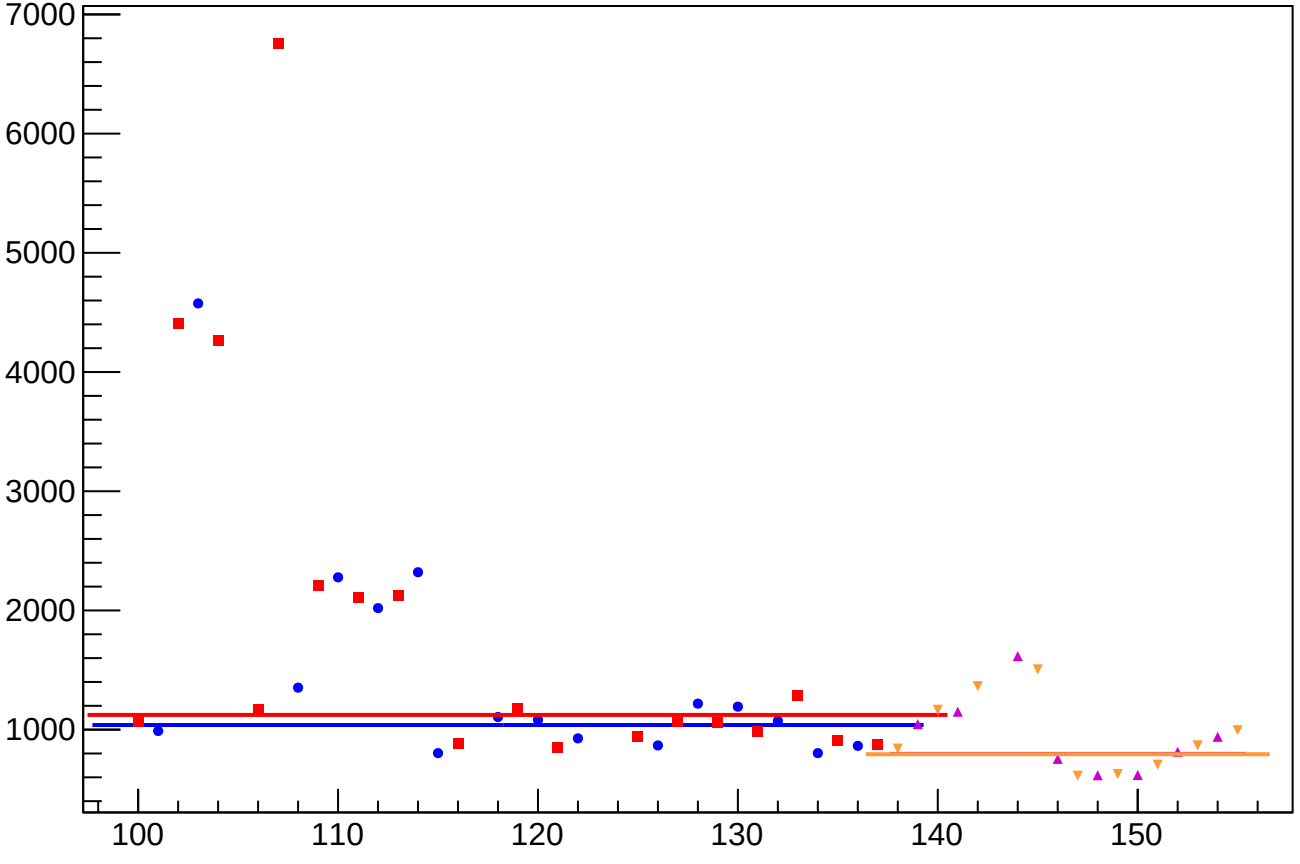
Left In: 81.574+/-314.947 χ^2/NDF:5.9/7

+ sign 623.212+/-249.614 χ^2/NDF: 23.0/24

All: 452.723+/-180.052 χ^2/NDF: 45.4/50

- sign 267.801+/-259.965 χ^2/NDF: 21.4/25

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 793.806+/-0.222 χ^2/NDF:1028693.1/8

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

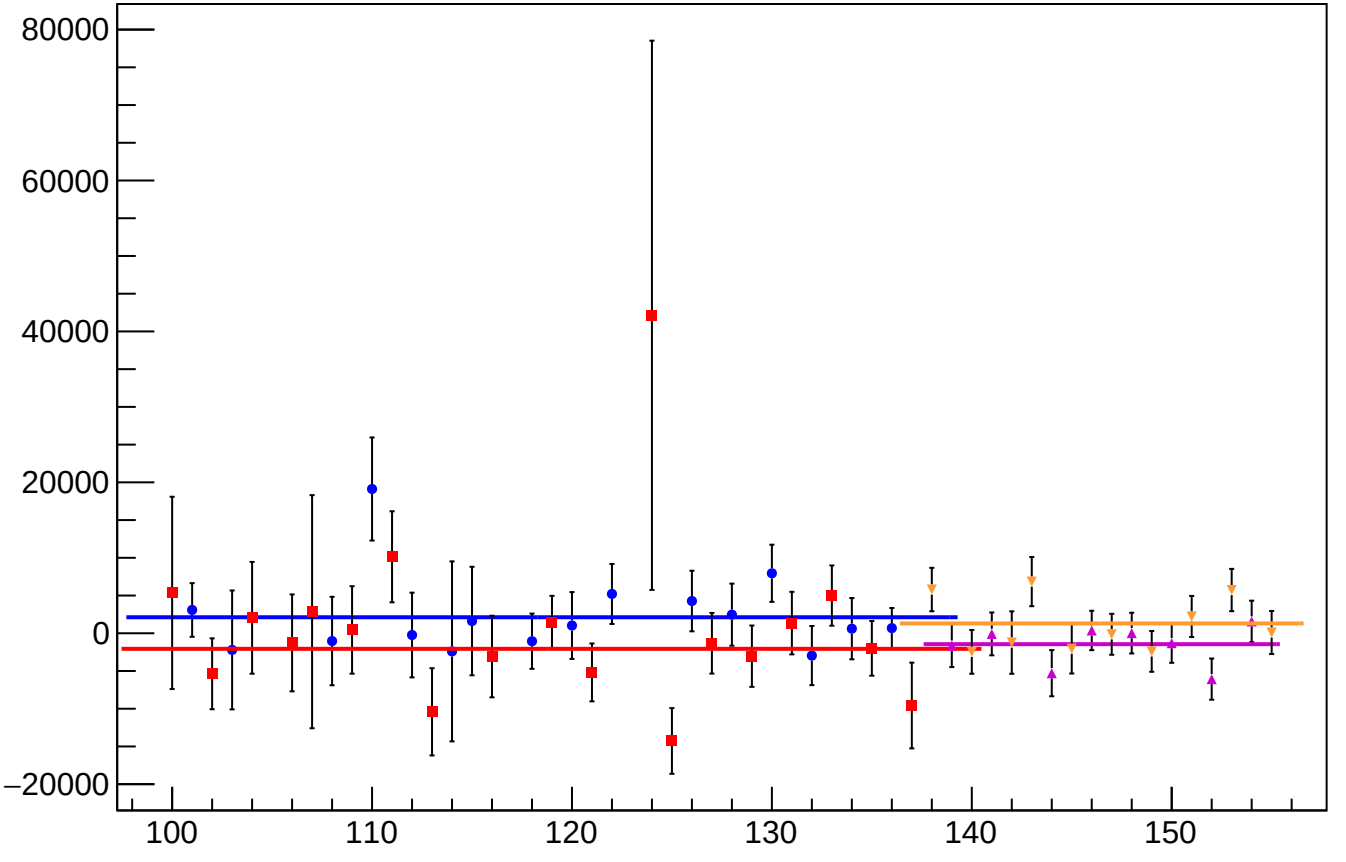
Left In: 796.578+/-0.223 χ^2/NDF:1050443.7/7

+ sign 883.628+/-0.177 χ^2/NDF: 3015820.0/24

All: 891.842+/-0.127 χ^2/NDF: 7292916.3/50

- sign 900.751+/-0.184 χ^2/NDF: 4272581.6/25

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1301.393+/-935.294 χ^2/NDF:13.4/9

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

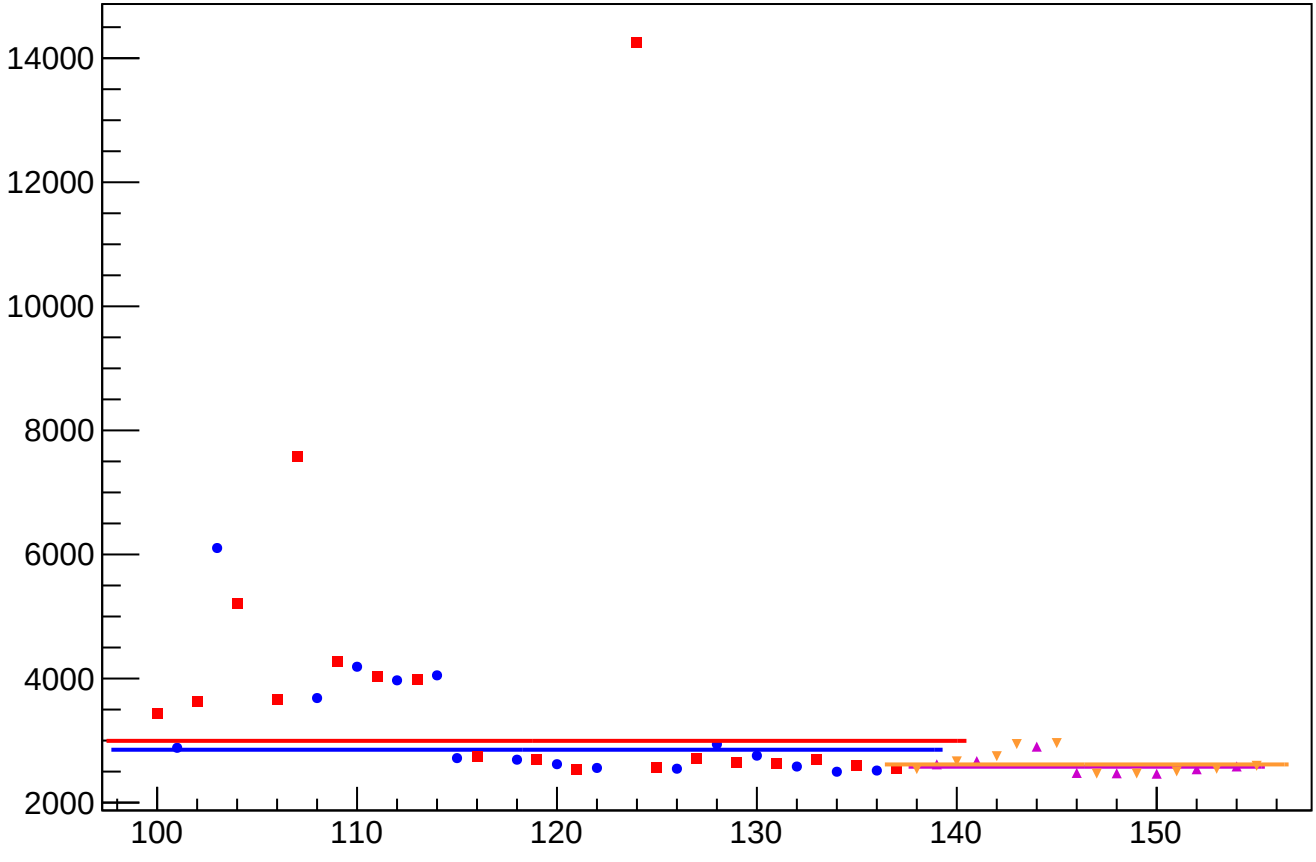
Left In: -1445.421+/-974.669 χ^2/NDF:6.7/7

+ sign 1651.328+/-708.334 χ^2/NDF: 27.1/25

All: 46.047+/-511.676 χ^2/NDF: 69.0/52

- sign -1705.685+/-739.939 χ^2/NDF: 31.2/26

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2615.304+/-0.661 χ^2/NDF:62653.9/9

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

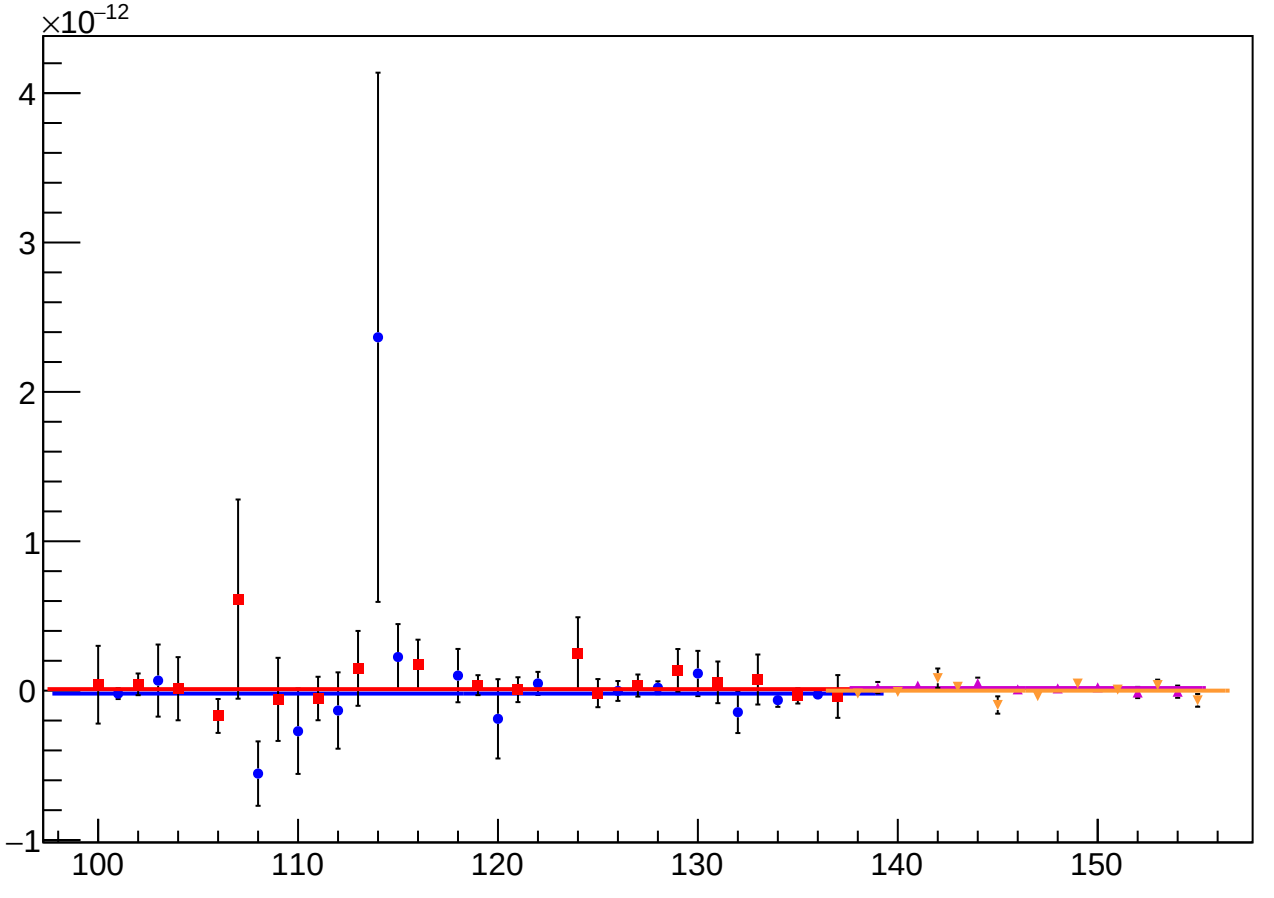
Left In: 2578.539+/-0.689 χ^2/NDF:34958.5/7

+ sign 2716.328+/-0.501 χ^2/NDF: 766087.0/25

All: 2734.916+/-0.362 χ^2/NDF: 1938182.2/52

- sign 2755.200+/-0.523 χ^2/NDF: 1169215.0/26

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:15.8/9

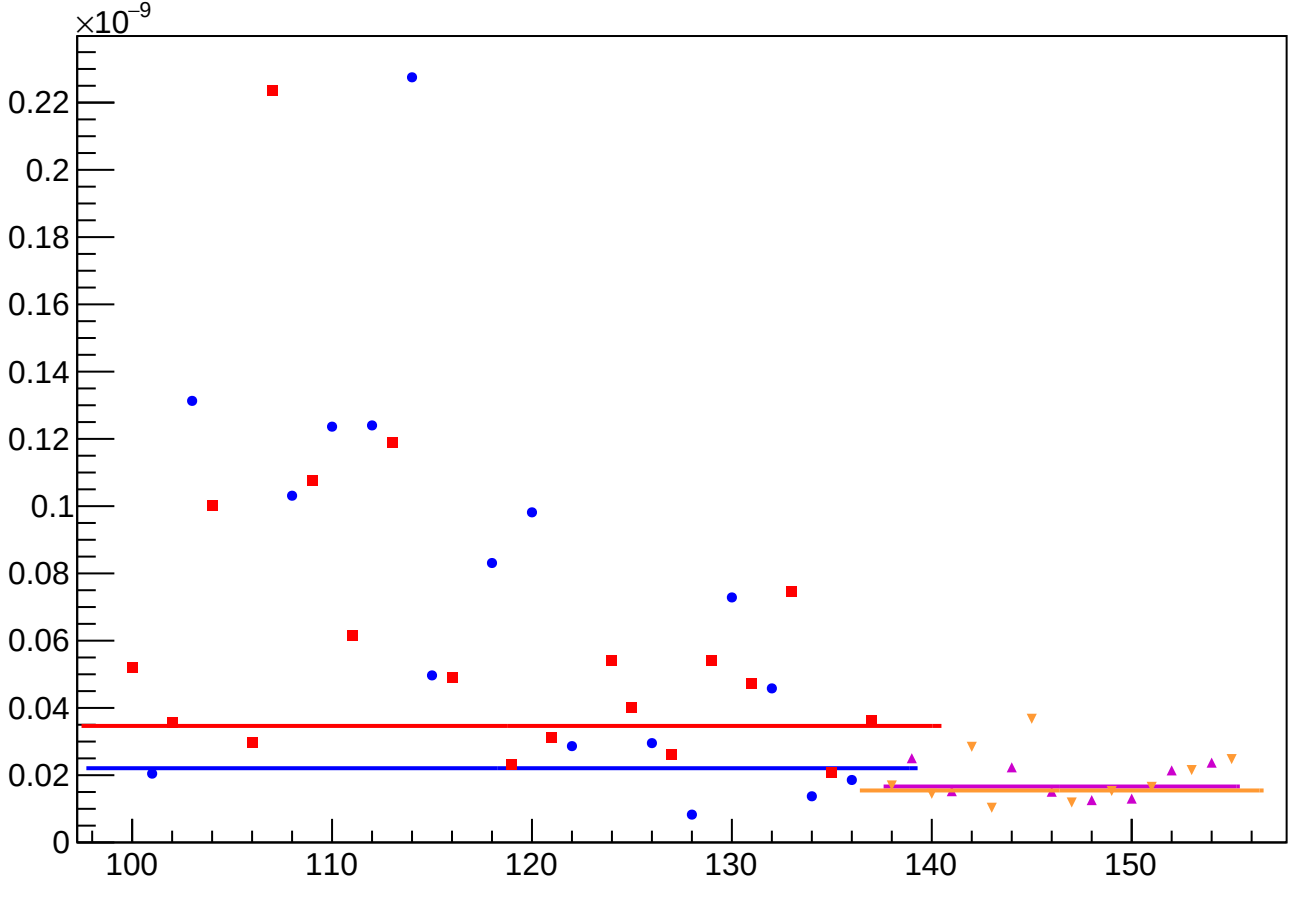
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/7

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/25

All: 0.000+/-0.000 χ^2/NDF: 45.3/52

- sign 0.000+/-0.000 χ^2/NDF: 10.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:706609.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

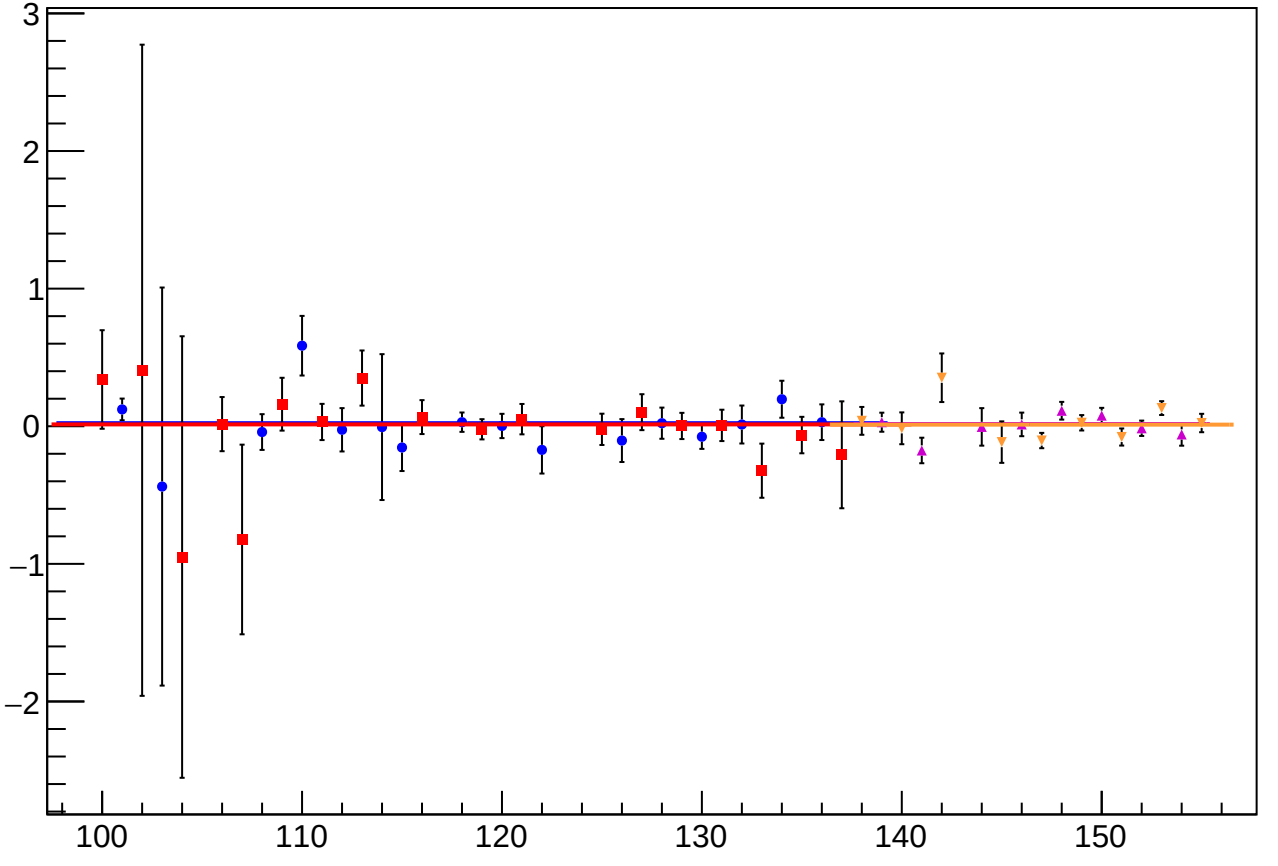
Left In: 0.000+/-0.000 χ^2/NDF:355777.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 3283278.1/25

All: 0.000+/-0.000 χ^2/NDF: 5879787.2/52

- sign 0.000+/-0.000 χ^2/NDF: 2512101.9/26

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.024 χ^2/NDF:16.8/8

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

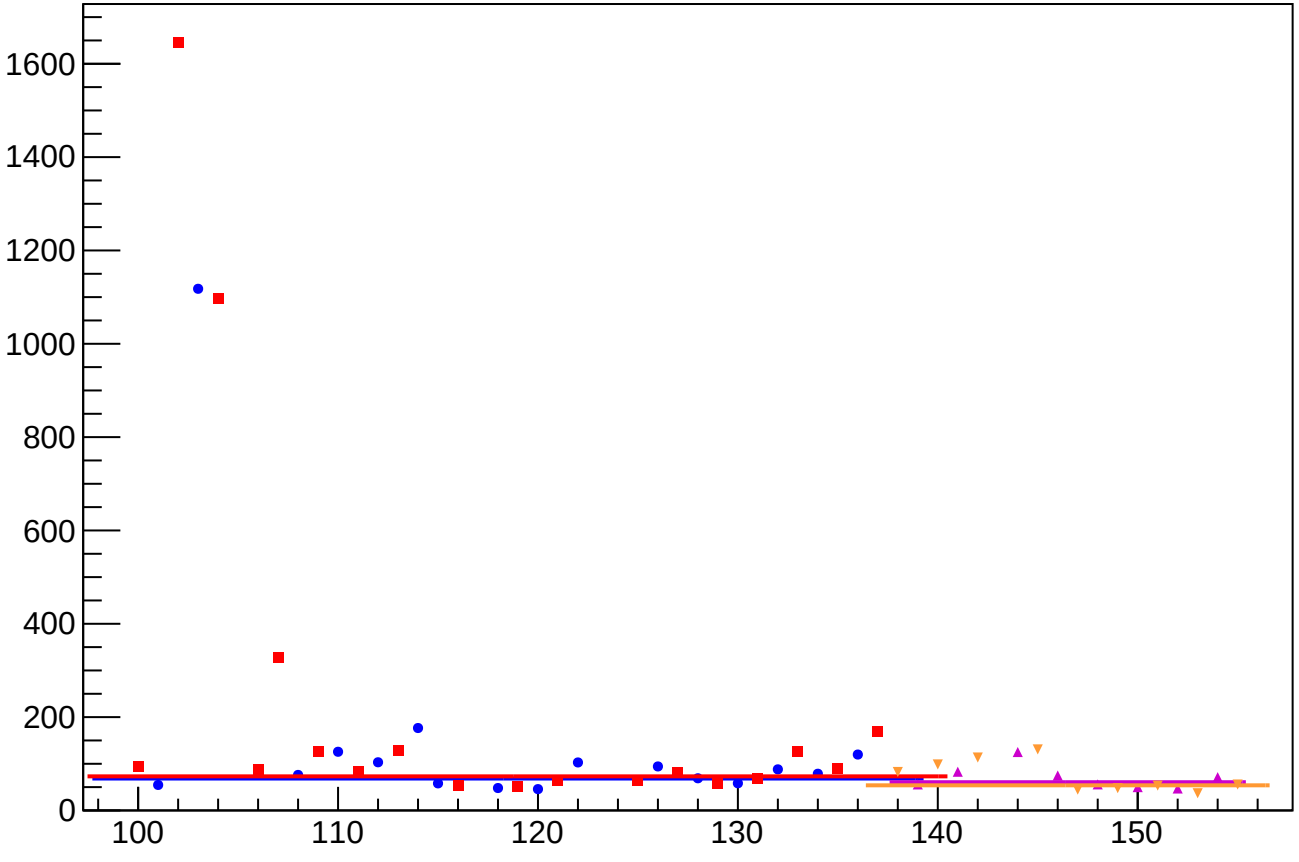
Left In: 0.016+/-0.025 χ^2/NDF:8.9/7

+ sign 0.016+/-0.019 χ^2/NDF: 31.7/24

All: 0.016+/-0.014 χ^2/NDF: 51.4/50

- sign 0.015+/-0.020 χ^2/NDF: 19.8/25

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 53.864+/-0.017 χ^2/NDF:1517608.9/8

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

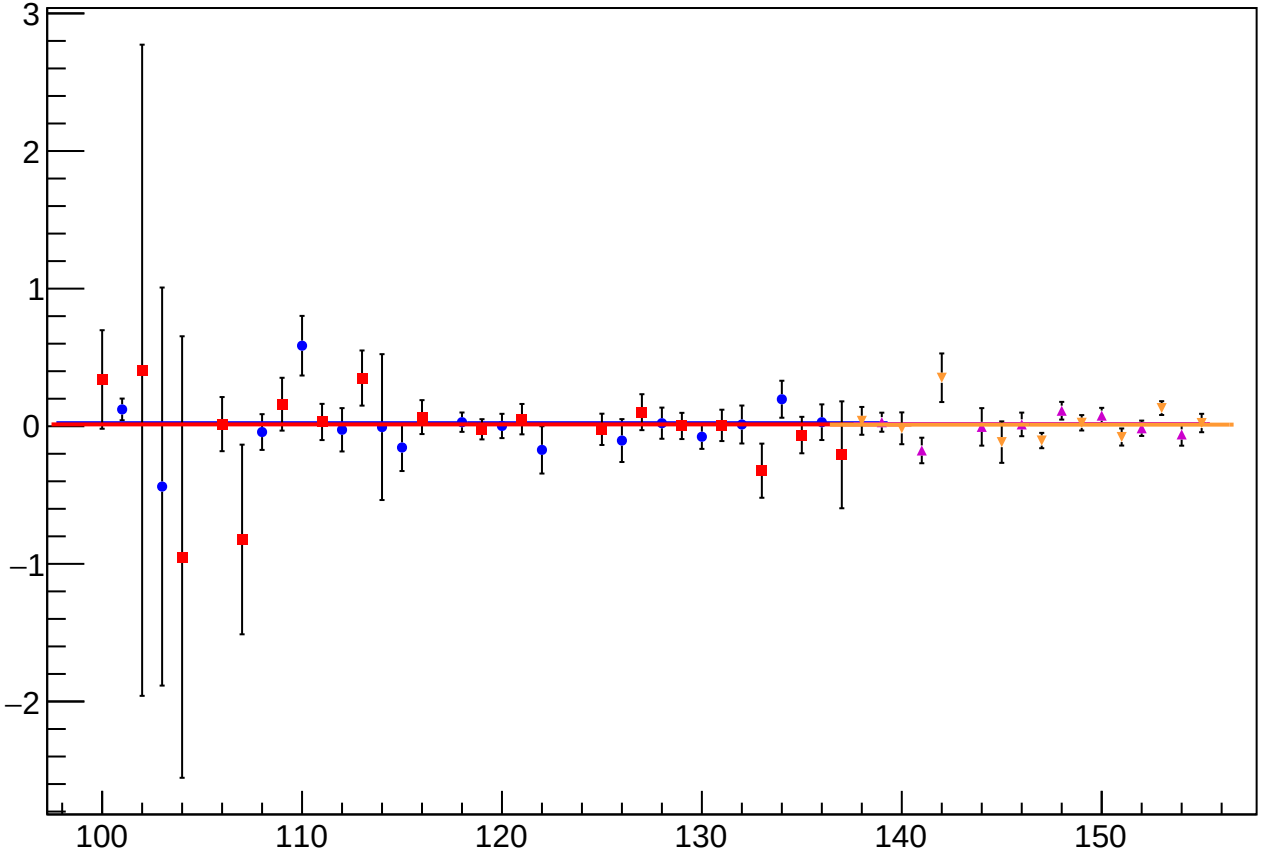
Left In: 60.496+/-0.018 χ^2/NDF:864594.0/7

+ sign 59.445+/-0.013 χ^2/NDF: 4083592.2/24

All: 62.043+/-0.010 χ^2/NDF: 8124532.2/50

- sign 65.108+/-0.014 χ^2/NDF: 3956474.6/25

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.024 χ^2/NDF:16.8/8

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

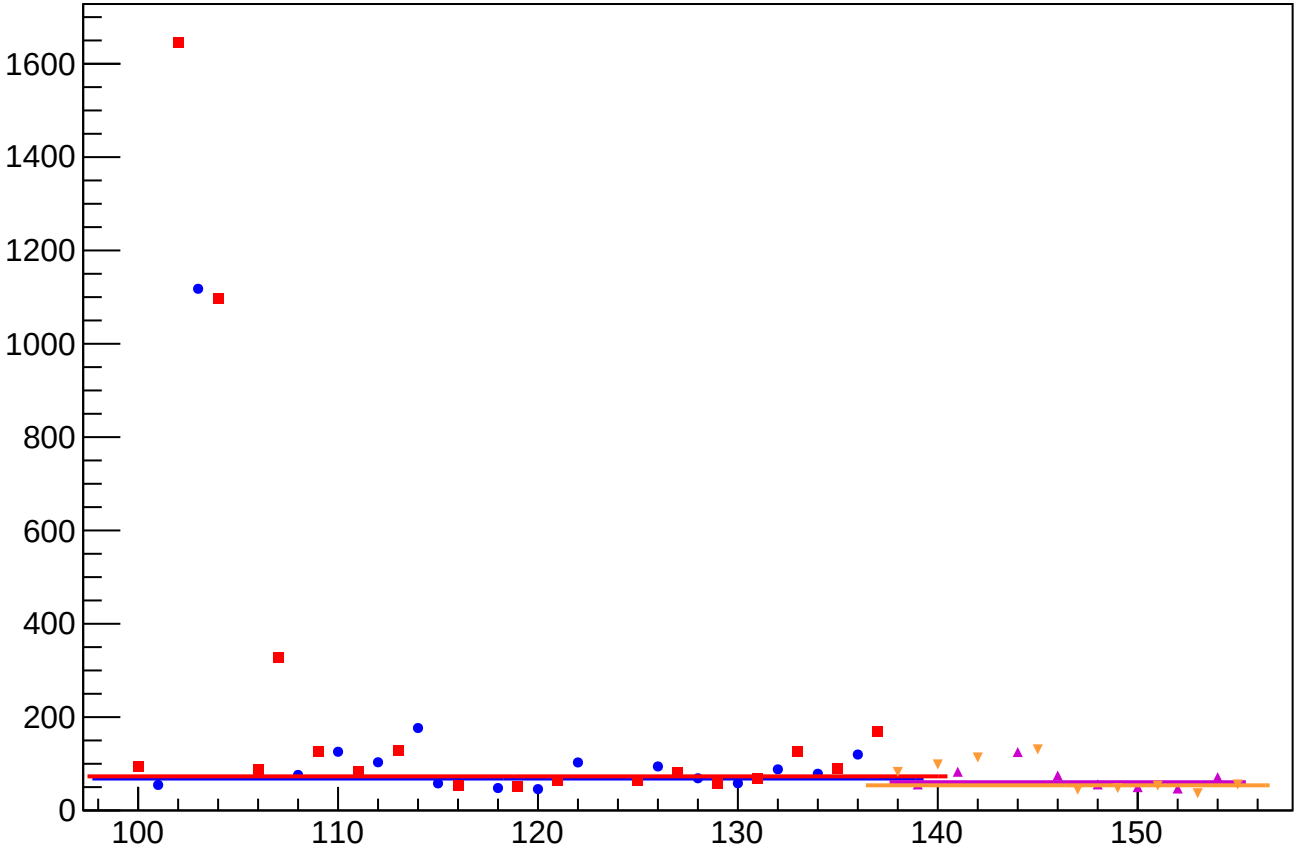
Left In: 0.016+/-0.025 χ^2/NDF:8.9/7

+ sign 0.016+/-0.019 χ^2/NDF: 31.7/24

All: 0.016+/-0.014 χ^2/NDF: 51.4/50

- sign 0.015+/-0.020 χ^2/NDF: 19.8/25

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 53.864+/-0.017 χ^2/NDF:1517608.9/8

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

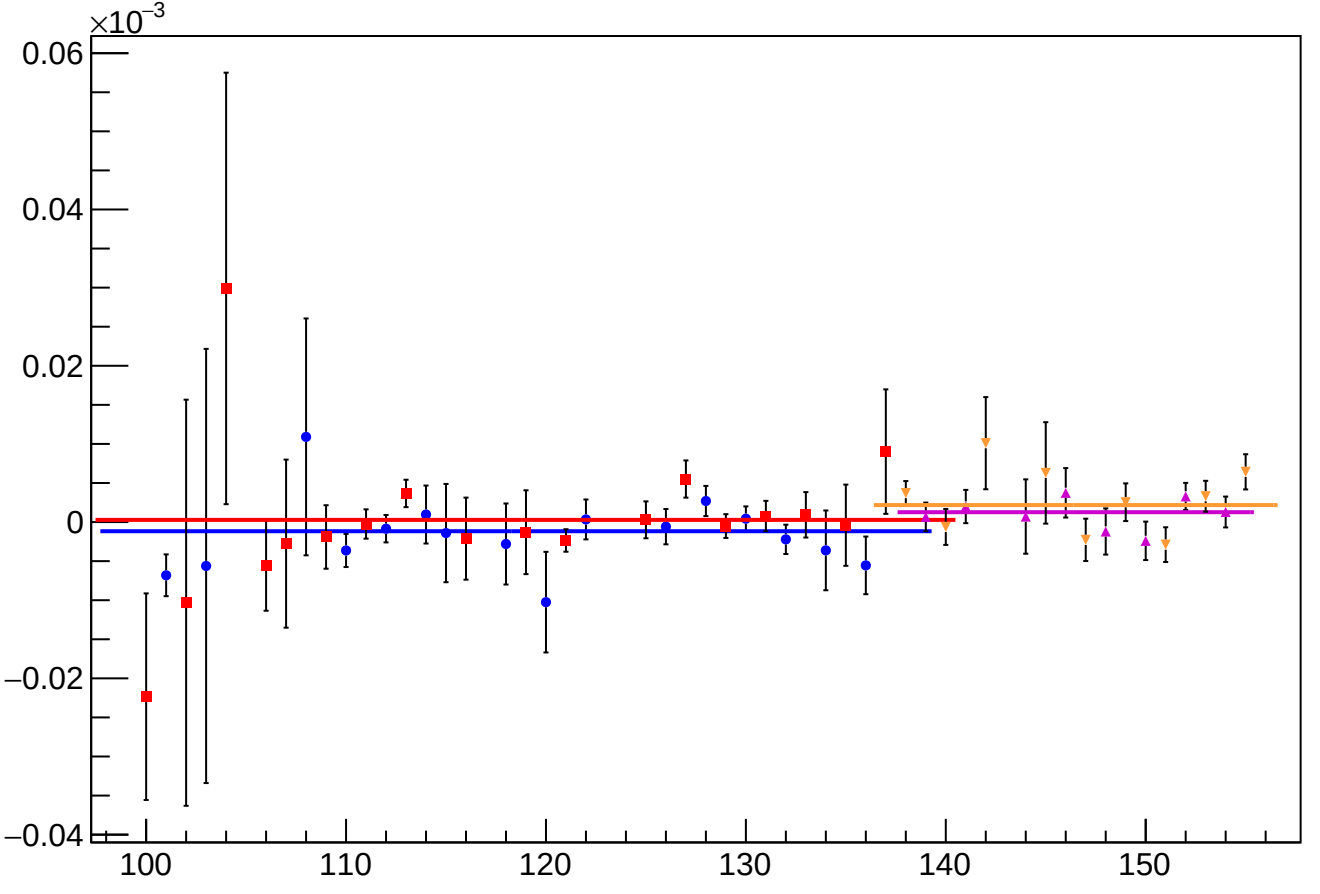
Left In: 60.496+/-0.018 χ^2/NDF:864594.0/7

+ sign 59.445+/-0.013 χ^2/NDF: 4083592.2/24

All: 62.043+/-0.010 χ^2/NDF: 8124532.2/50

- sign 65.108+/-0.014 χ^2/NDF: 3956474.6/25

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:16.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

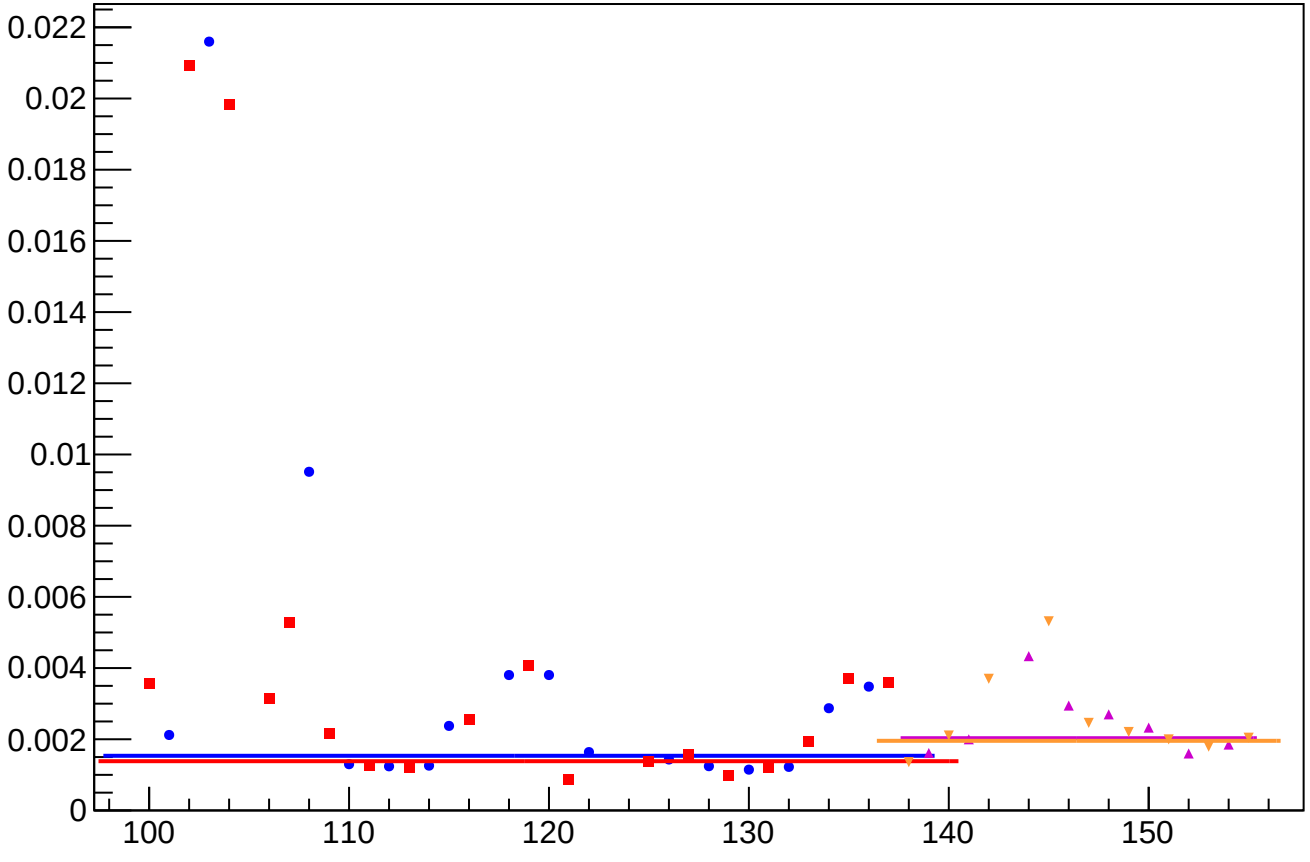
Left In: 0.000+/-0.000 χ^2/NDF:5.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 43.4/24

All: 0.000+/-0.000 χ^2/NDF: 69.4/50

- sign 0.000+/-0.000 χ^2/NDF: 25.6/25

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:1129066.8/8

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

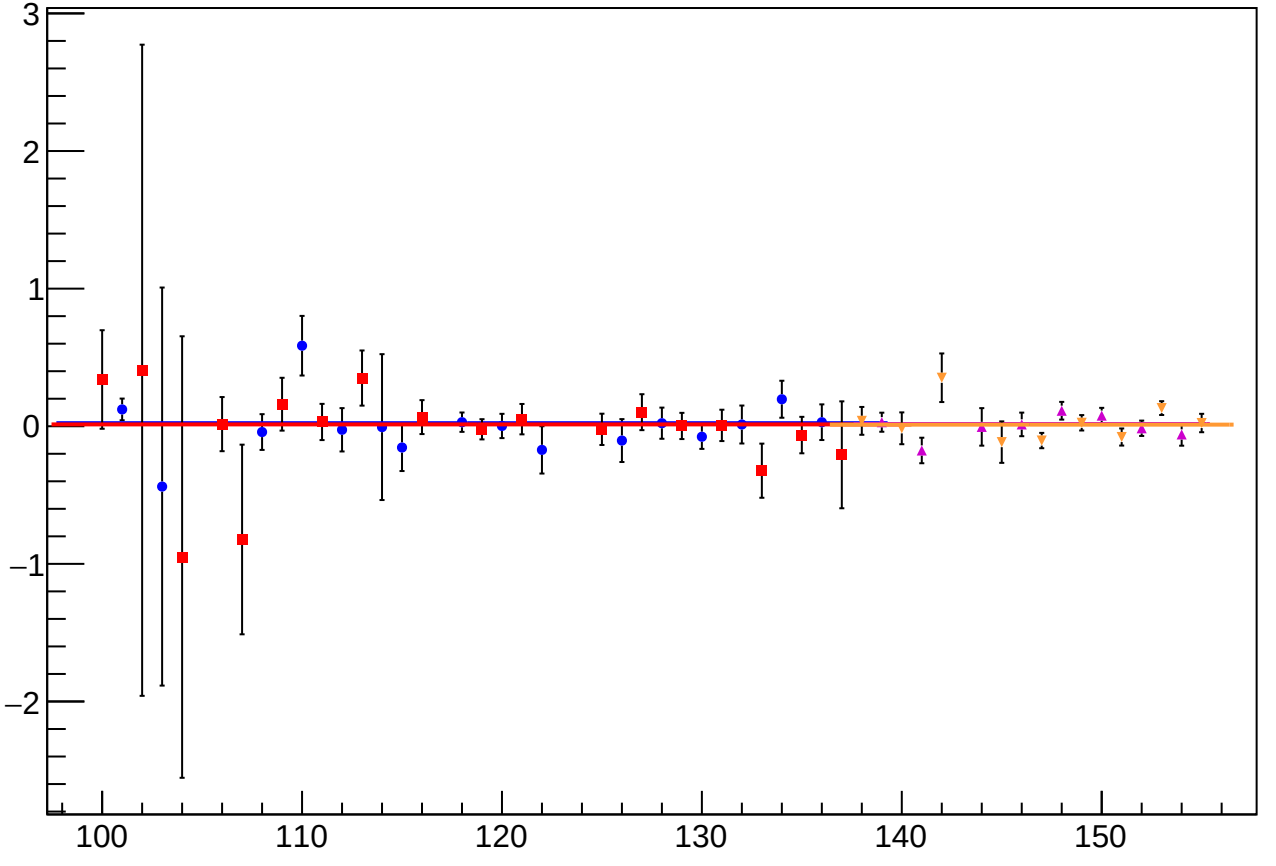
Left In: 0.002+/-0.000 χ^2/NDF:1012042.8/7

+ sign 0.002+/-0.000 χ^2/NDF: 4838212.5/24

All: 0.002+/-0.000 χ^2/NDF: 10937811.8/50

- sign 0.002+/-0.000 χ^2/NDF: 6072900.8/25

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.024 χ^2/NDF:16.8/8

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

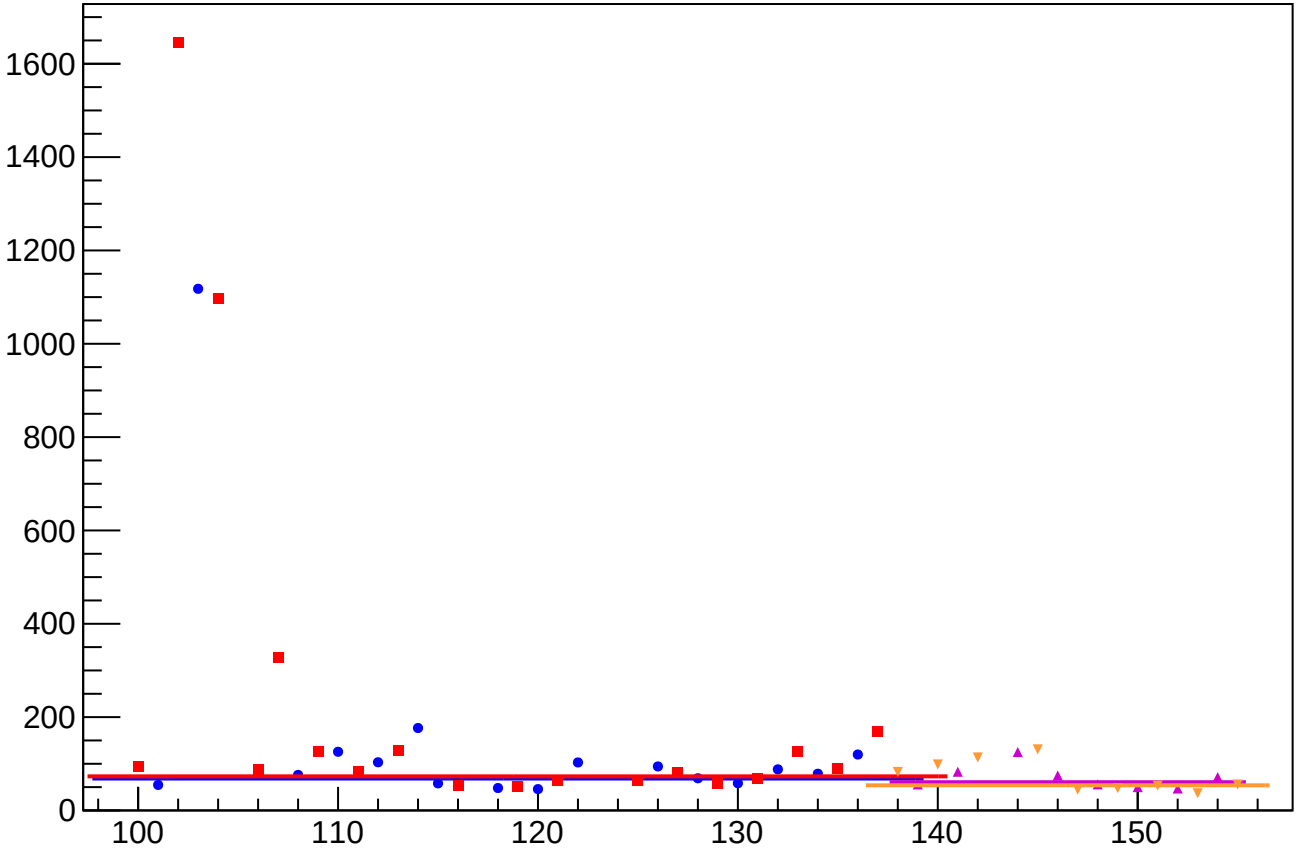
Left In: 0.016+/-0.025 χ^2/NDF:8.9/7

+ sign 0.016+/-0.019 χ^2/NDF: 31.7/24

All: 0.016+/-0.014 χ^2/NDF: 51.4/50

- sign 0.015+/-0.020 χ^2/NDF: 19.8/25

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 53.864+/-0.017 χ^2/NDF:1517666.3/8

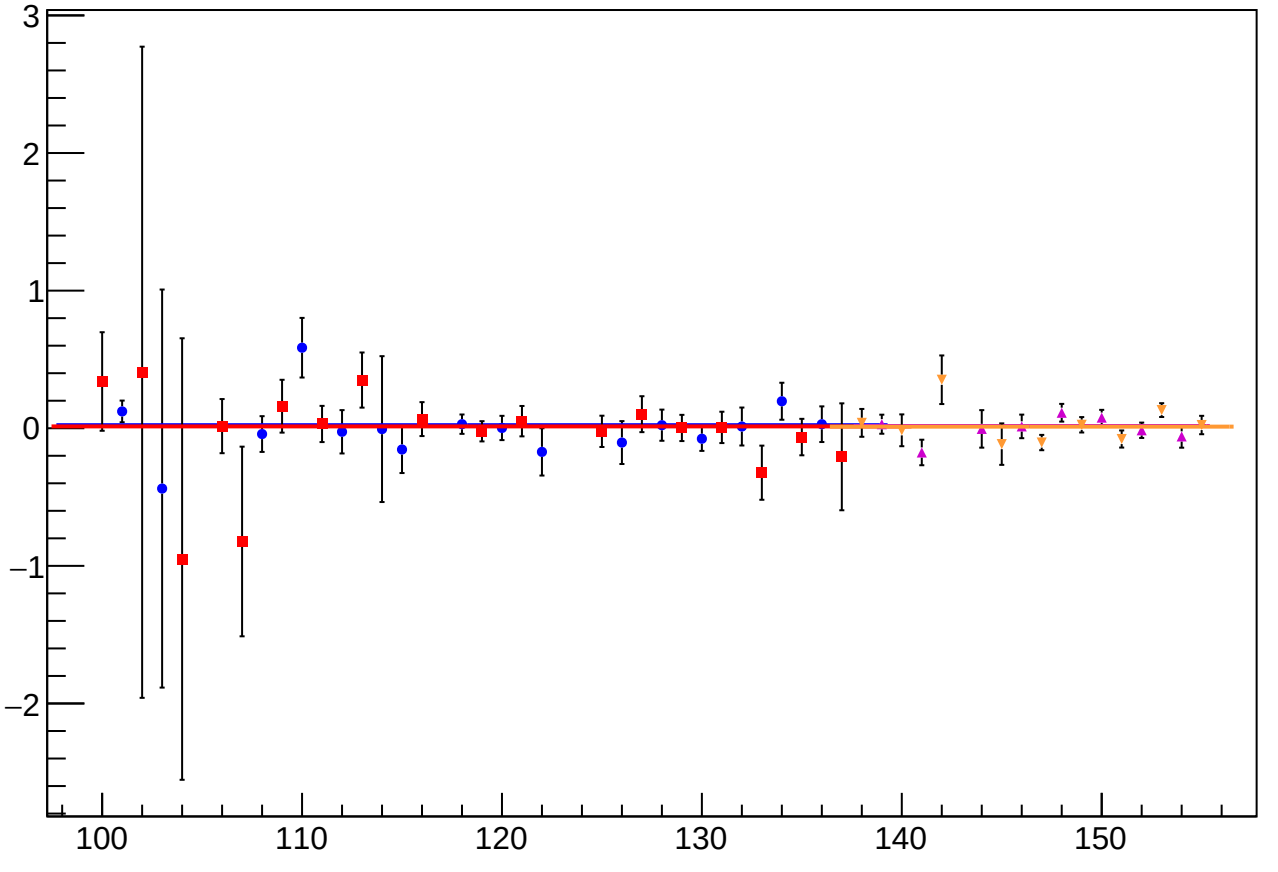
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 60.496+/-0.018 χ^2/NDF:864587.9/7

+ sign 59.445+/-0.013 χ^2/NDF: 4083716.0/24

All: 62.042+/-0.010 χ^2/NDF: 8124662.8/50

- sign 65.108+/-0.014 χ^2/NDF: 3956468.0/25



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.024 χ^2/NDF:16.8/8

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

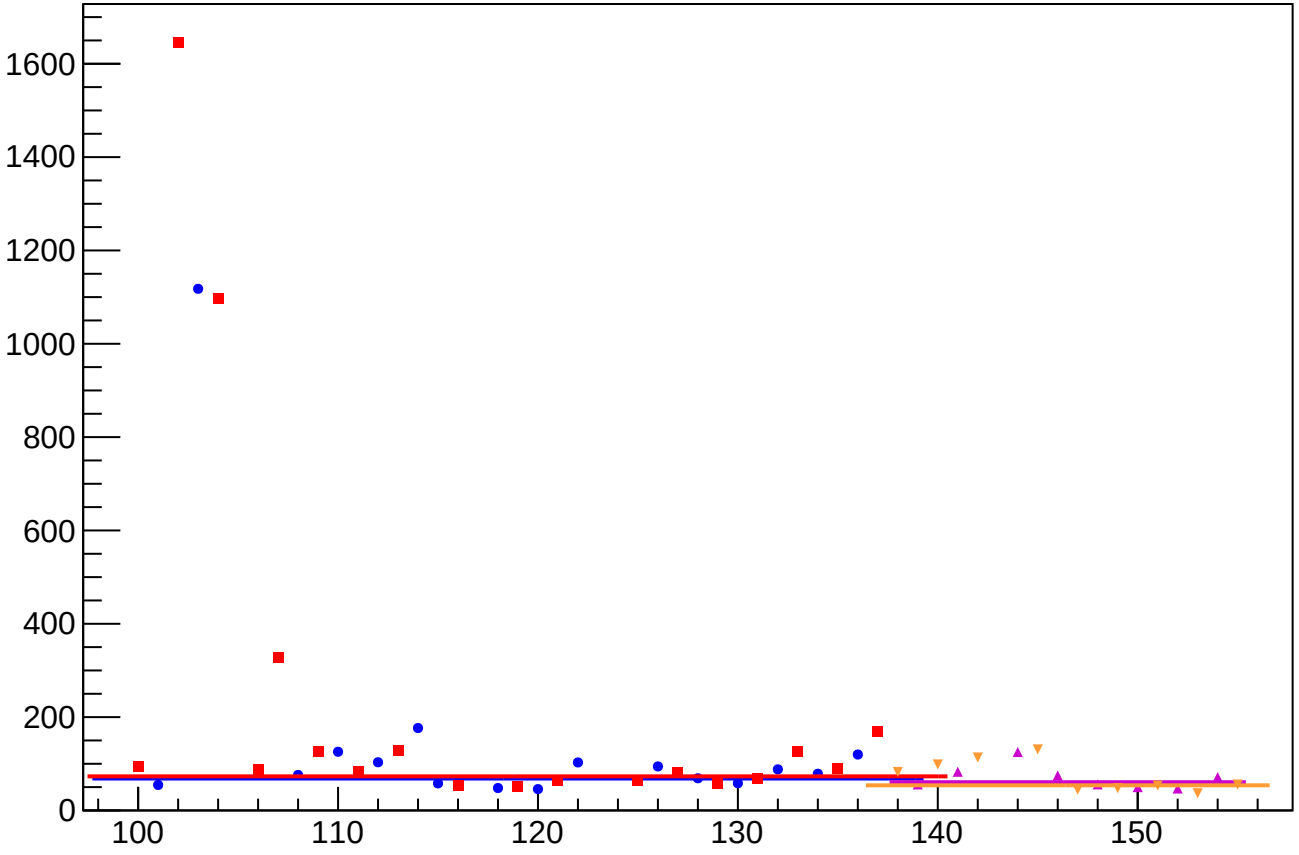
Left In: 0.016+/-0.025 χ^2/NDF:8.9/7

+ sign 0.016+/-0.019 χ^2/NDF: 31.7/24

All: 0.016+/-0.014 χ^2/NDF: 51.4/50

- sign 0.015+/-0.020 χ^2/NDF: 19.8/25

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 53.864+/-0.017 χ^2/NDF:1517666.3/8

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

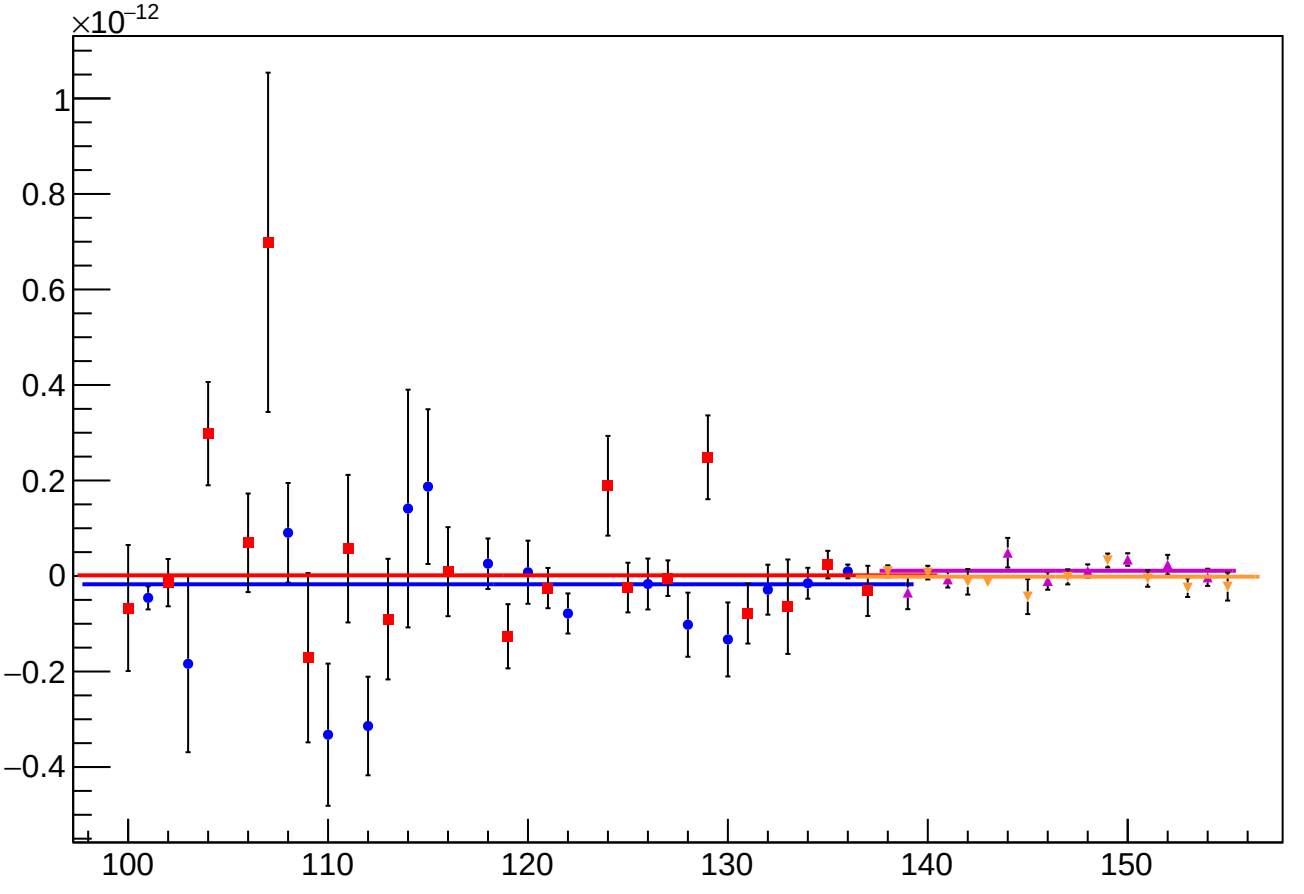
Left In: 60.496+/-0.018 χ^2/NDF:864587.9/7

+ sign 59.445+/-0.013 χ^2/NDF: 4083716.0/24

All: 62.042+/-0.010 χ^2/NDF: 8124662.8/50

- sign 65.108+/-0.014 χ^2/NDF: 3956468.0/25

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/9

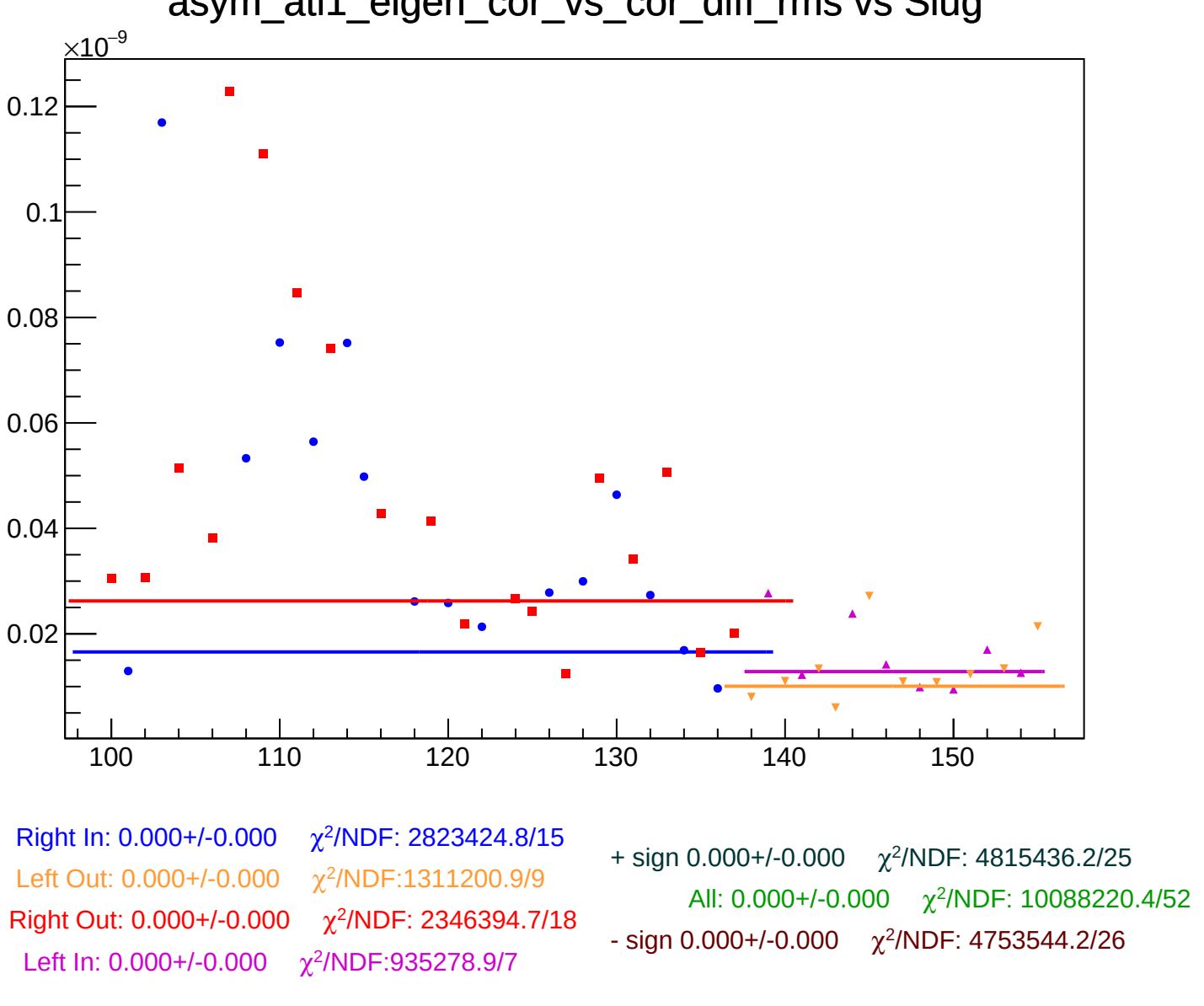
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/7

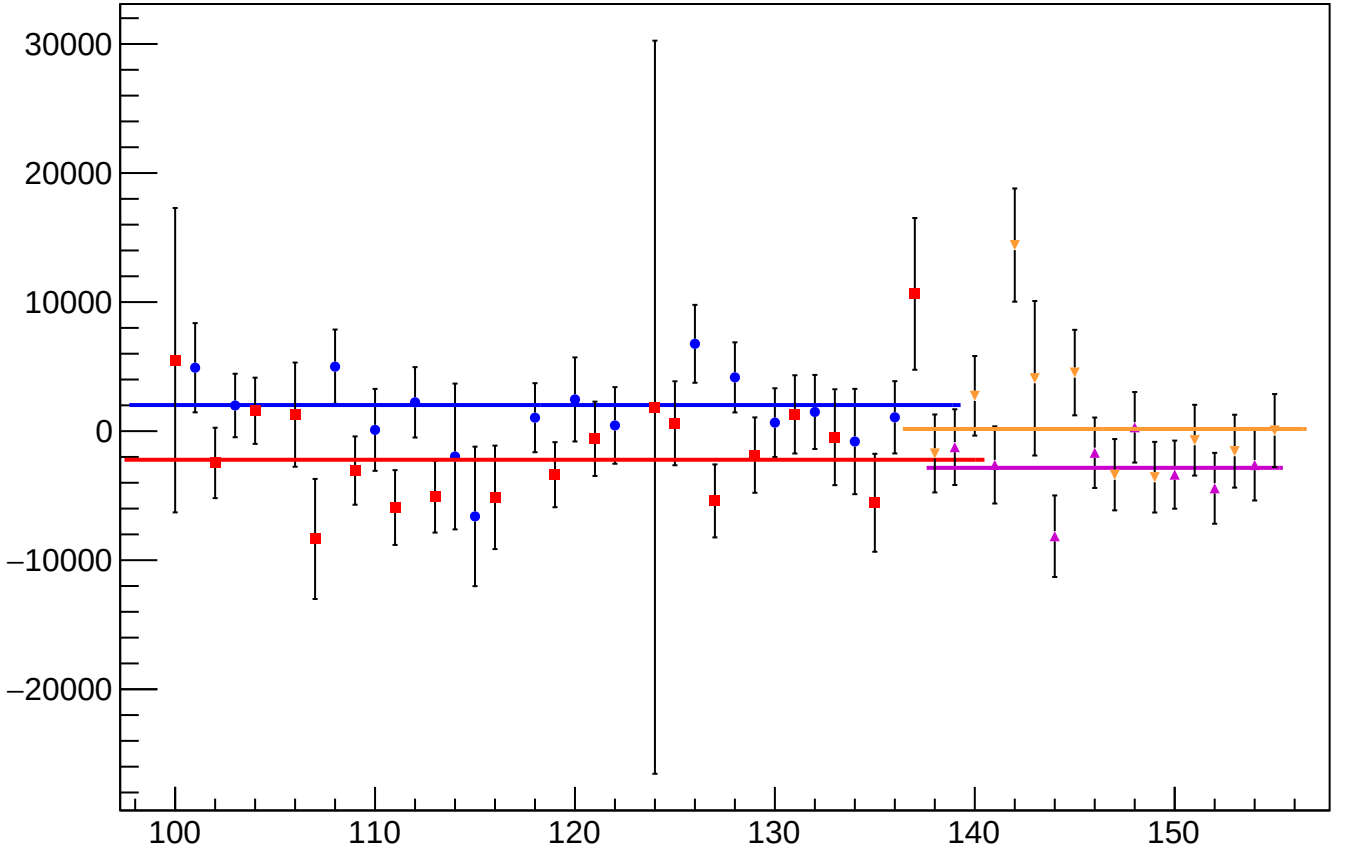
+ sign -0.000+/-0.000 χ^2/NDF: 41.9/25

All: 0.000+/-0.000 χ^2/NDF: 88.0/52

- sign 0.000+/-0.000 χ^2/NDF: 42.5/26


asym_atl1_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
Right In: 0.000+/-0.000 χ²/NDF: 2823424.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1311200.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:935278.9/7
+ sign 0.000+/-0.000 χ²/NDF: 4815436.2/25
All: 0.000+/-0.000 χ²/NDF: 10088220.4/52
- sign 0.000+/-0.000 χ²/NDF: 4753544.2/26

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 168.878+/-983.661 χ^2/NDF:17.8/9

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

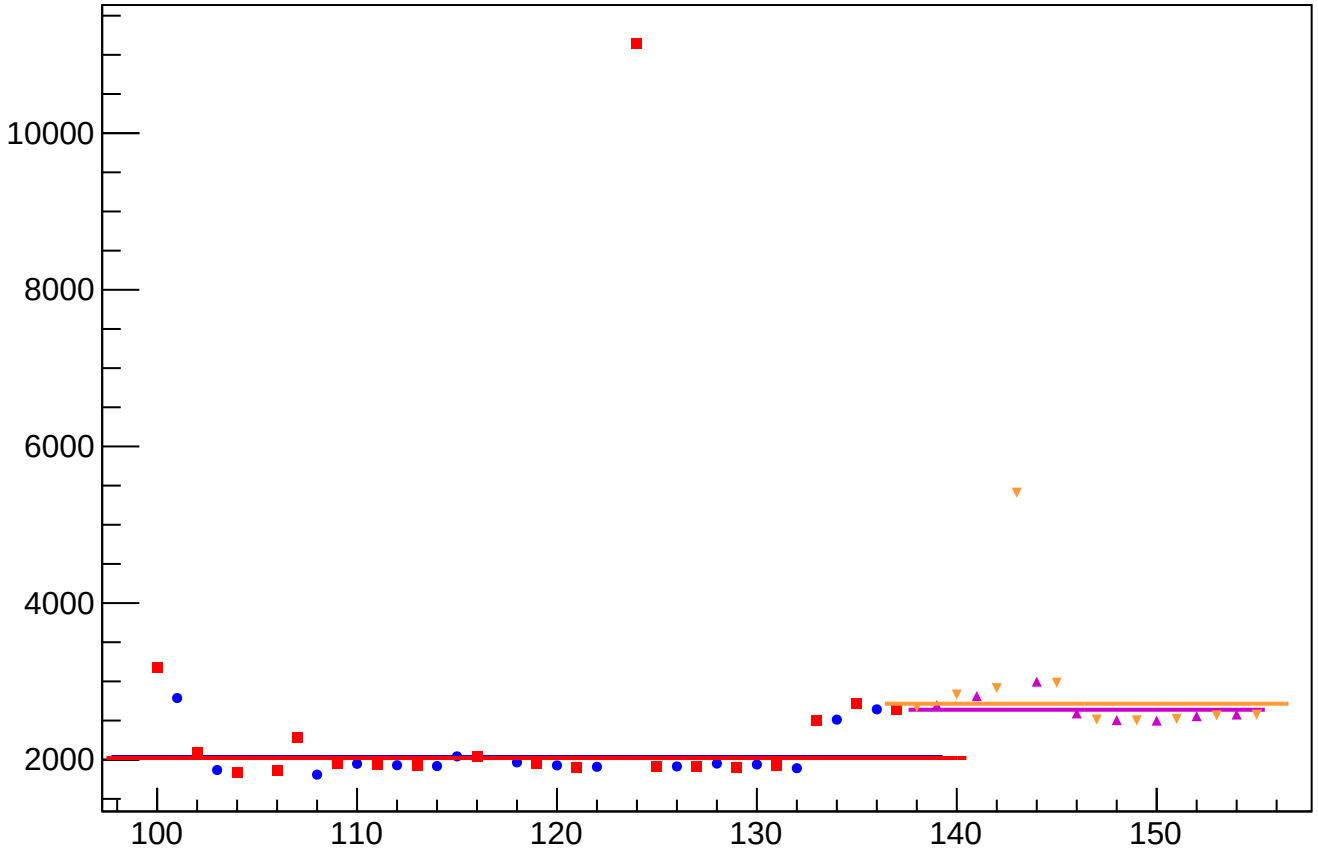
Left In: -2842.732+/-997.424 χ^2/NDF:5.0/7

+ sign 1324.757+/-603.559 χ^2/NDF: 29.6/25

All: -563.501+/-426.428 χ^2/NDF: 72.5/52

- sign -2445.533+/-602.563 χ^2/NDF: 23.4/26

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2715.211+/-0.696 χ^2/NDF:468670.6/9

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

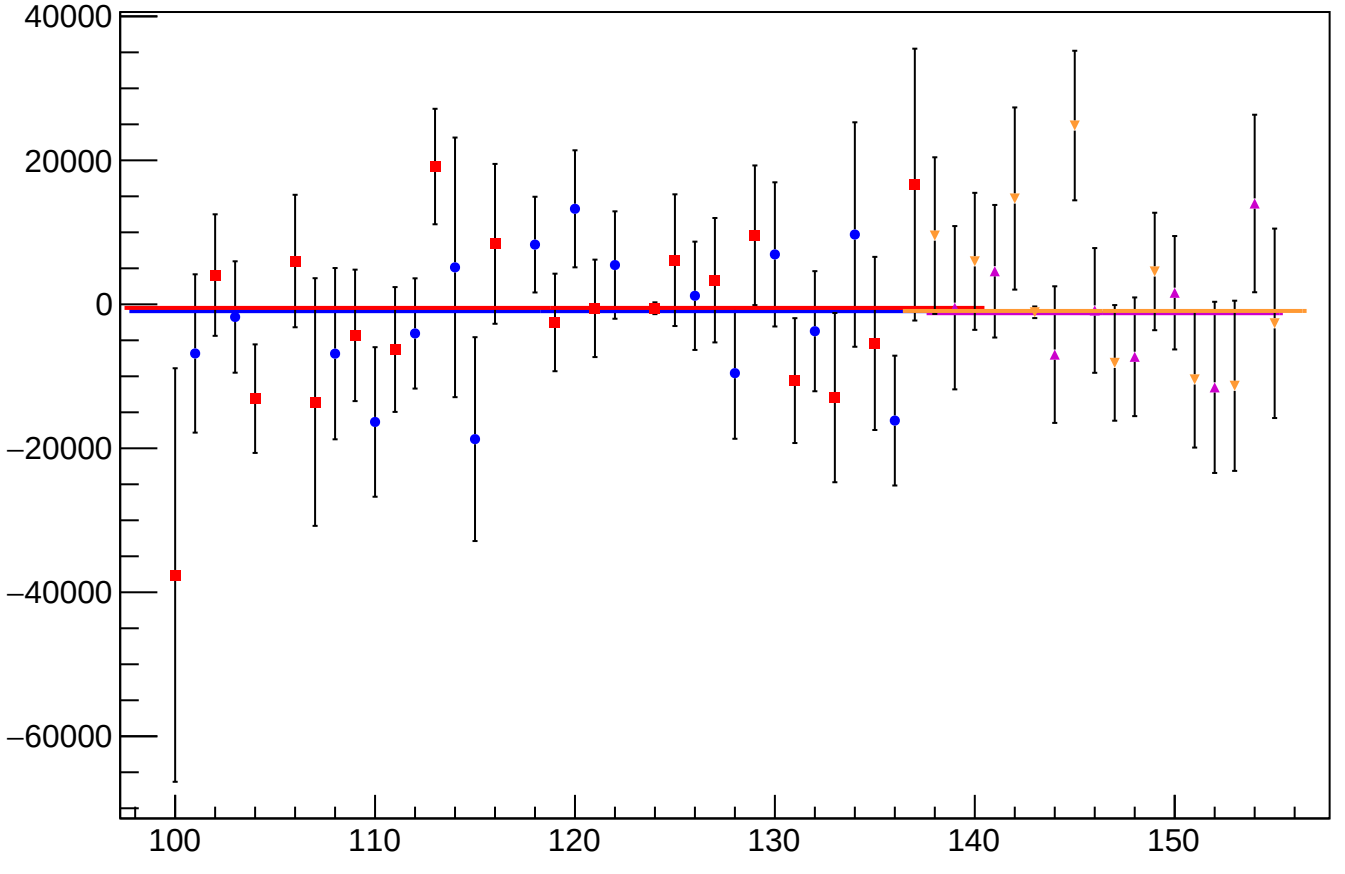
Left In: 2637.892+/-0.705 χ^2/NDF:46889.9/7

+ sign 2290.565+/-0.427 χ^2/NDF: 1329417.5/25

All: 2268.490+/-0.302 χ^2/NDF: 2256950.3/52

- sign 2246.487+/-0.426 χ^2/NDF: 922190.6/26

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -920.343+/-784.571 χ^2/NDF:12.2/9

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

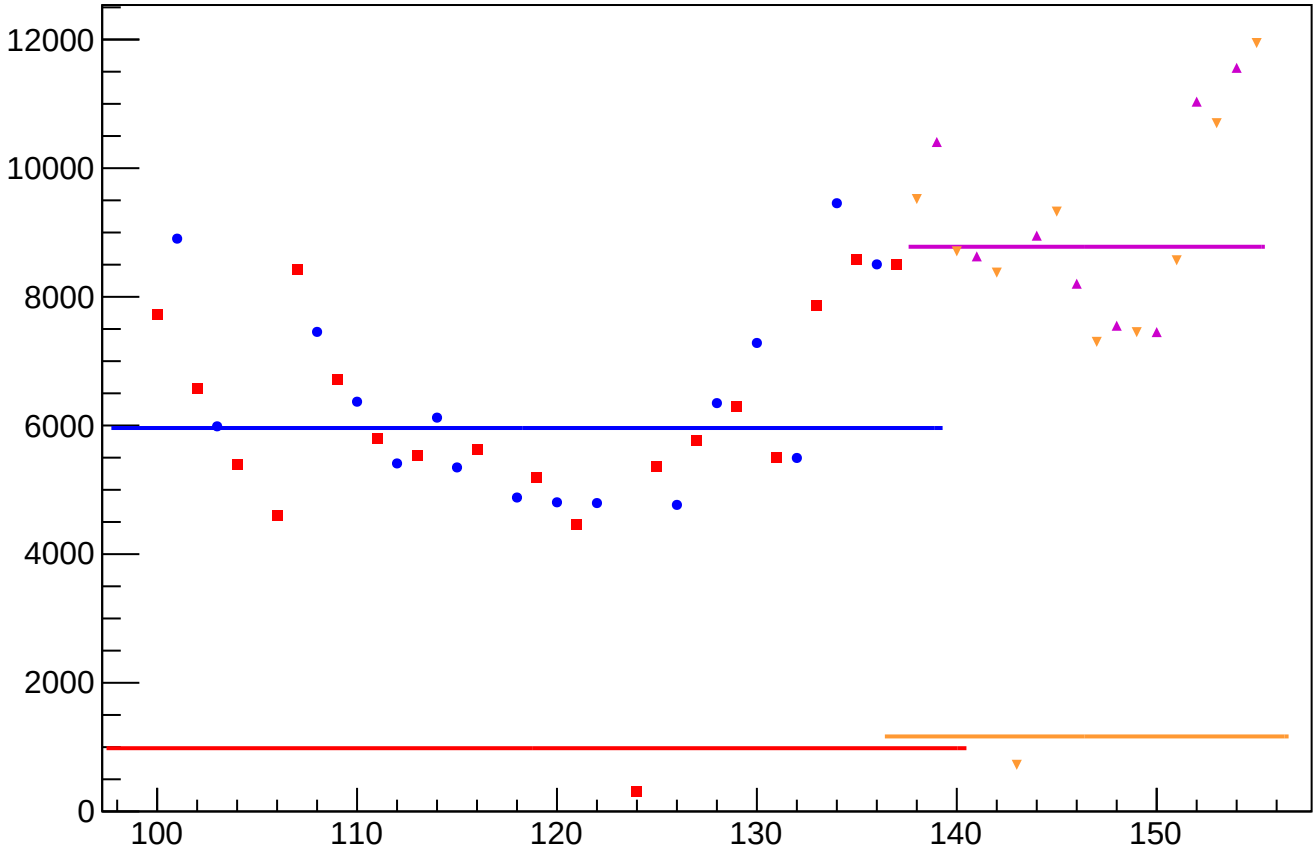
Left In: -1233.617+/-3361.800 χ^2/NDF:3.7/7

+ sign -923.541+/-741.825 χ^2/NDF: 27.6/25

All: -730.585+/-527.060 χ^2/NDF: 49.9/52

- sign -533.891+/-748.977 χ^2/NDF: 22.2/26

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1166.082+/-0.555 χ^2/NDF:11134578.9/9

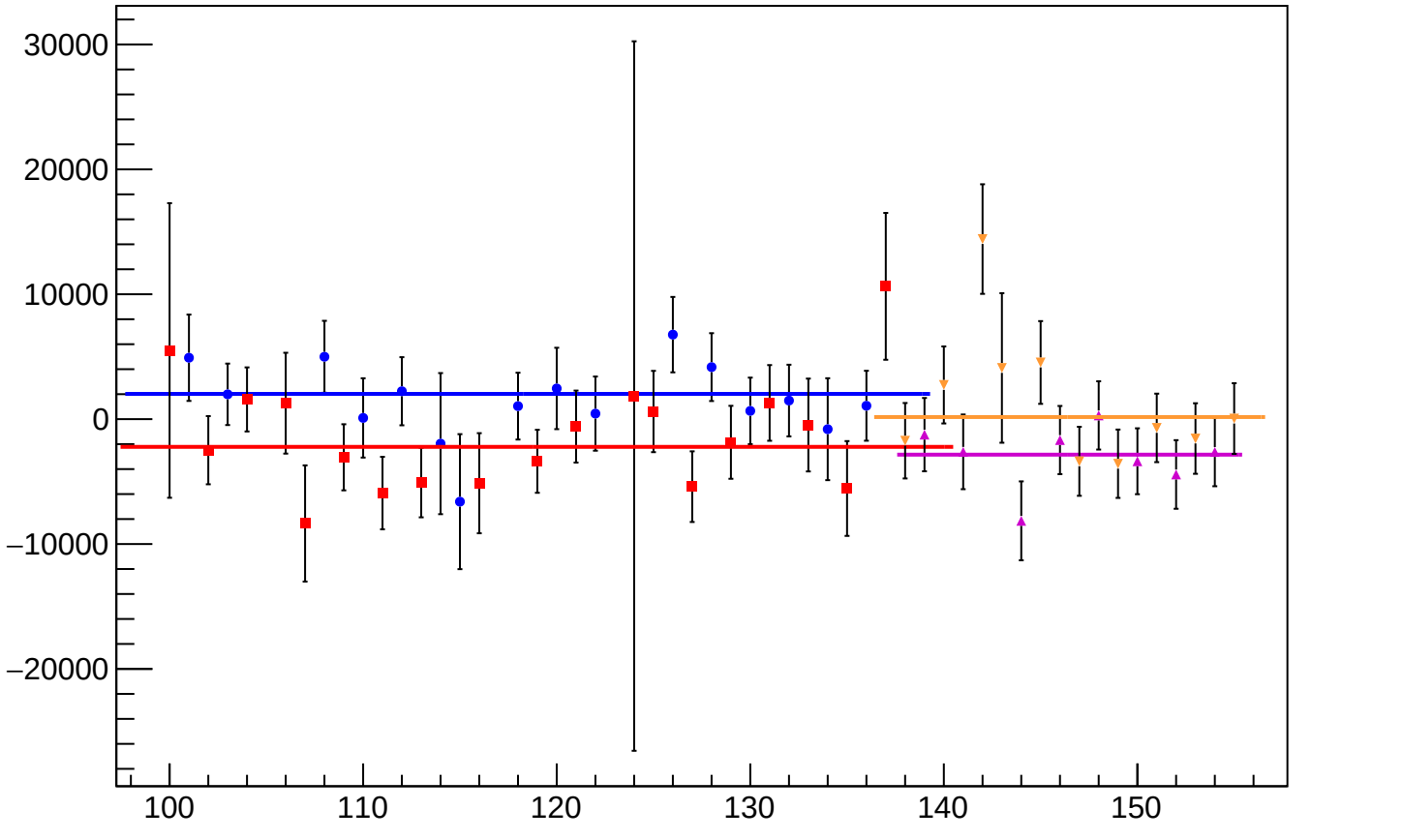
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8778.563+/-2.377 χ^2/NDF:326090.0/7

+ sign 1674.308+/-0.525 χ^2/NDF: 19741294.6/25

All: 1523.731+/-0.373 χ^2/NDF: 41870130.0/5

- sign 1370.238+/-0.530 χ^2/NDF: 21962433.8/26



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 168.964+/-983.661 χ^2/NDF:17.8/9

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

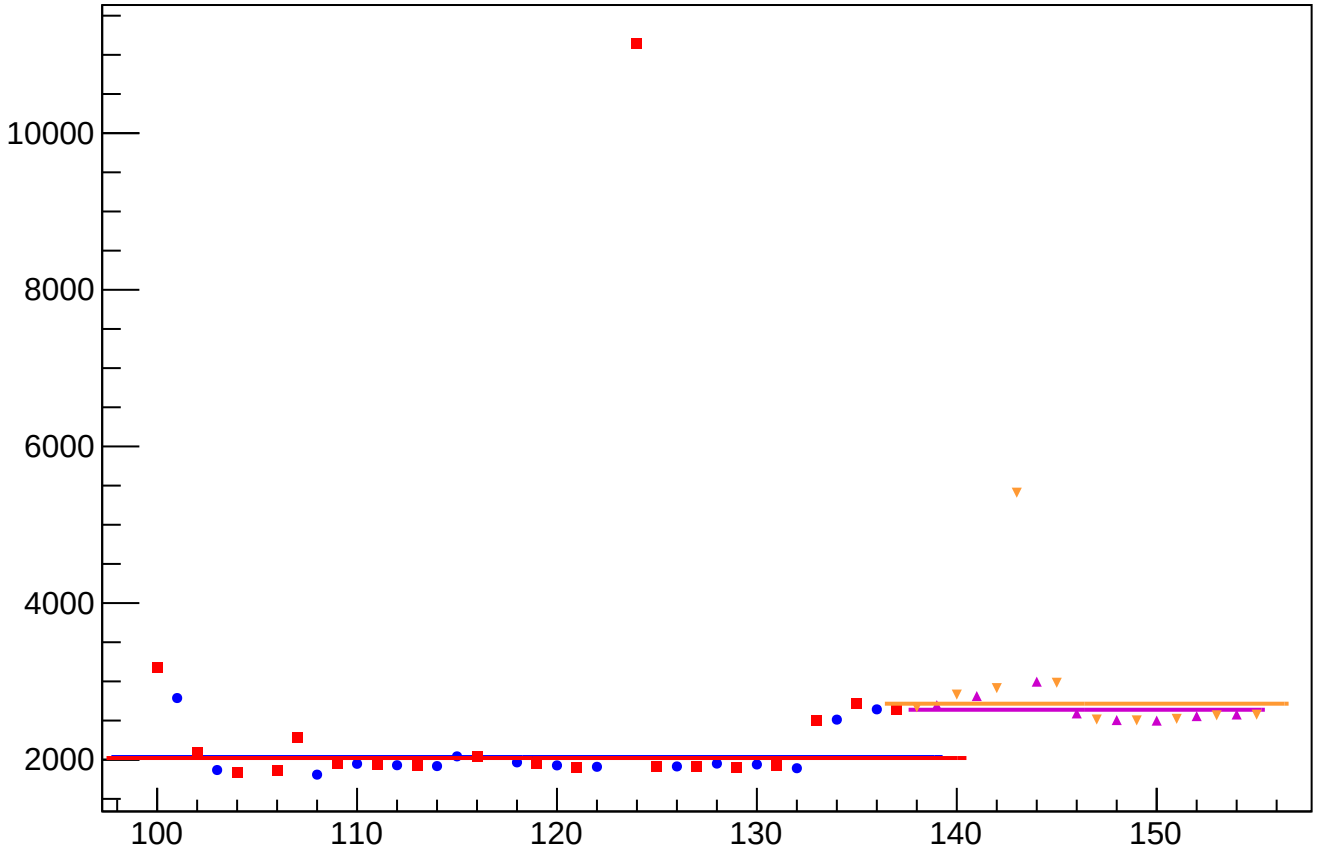
Left In: -2842.951+/-997.424 χ^2/NDF:5.0/7

+ sign 1324.868+/-603.559 χ^2/NDF: 29.6/25

All: -564.060+/-426.429 χ^2/NDF: 72.6/52

- sign -2446.783+/-602.567 χ^2/NDF: 23.4/26

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2715.211+/-0.696 χ^2/NDF:468670.6/9

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

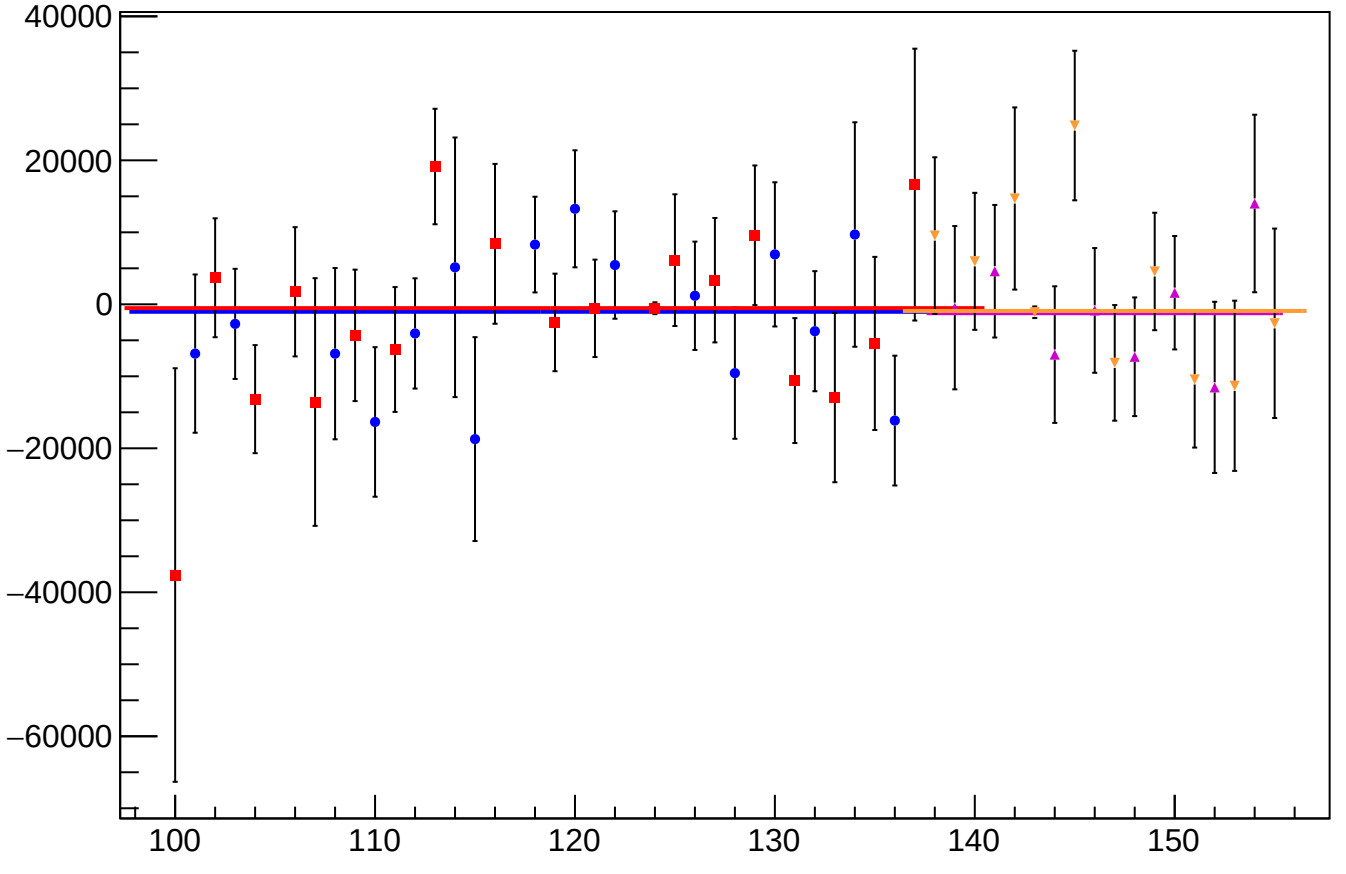
Left In: 2637.893+/-0.705 χ^2/NDF:46889.9/7

+ sign 2290.565+/-0.427 χ^2/NDF: 1329417.6/25

All: 2268.498+/-0.302 χ^2/NDF: 2256920.6/52

- sign 2246.504+/-0.426 χ^2/NDF: 922164.9/26

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -920.127+/-784.499 χ^2/NDF:12.2/9

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

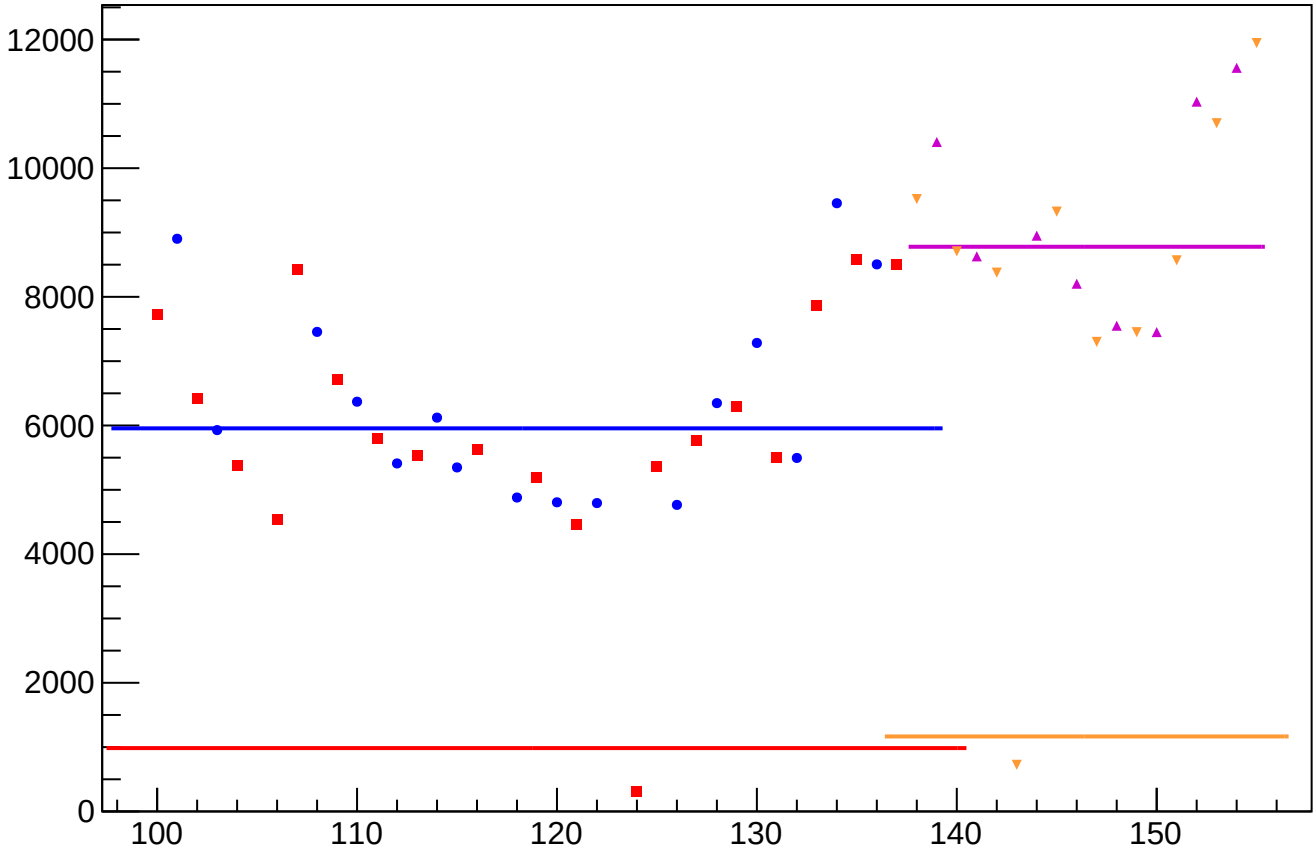
Left In: -1233.781+/-3361.796 χ^2/NDF:3.7/7

+ sign -932.636+/-741.683 χ^2/NDF: 27.6/25

All: -750.803+/-526.899 χ^2/NDF: 49.5/52

- sign -565.532+/-748.662 χ^2/NDF: 21.8/26

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1165.937+/-0.555 χ^2/NDF:11134879.5/9

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

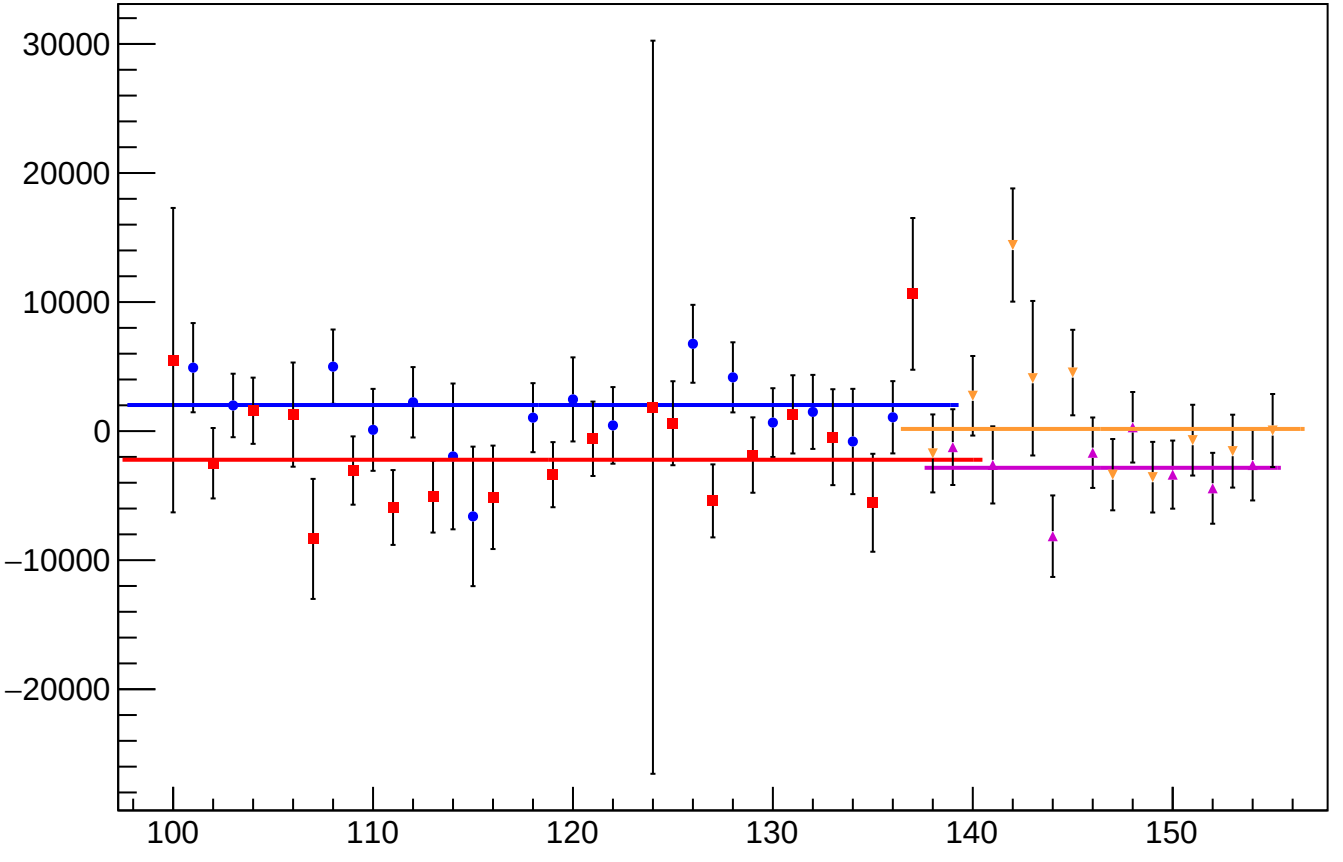
Left In: 8778.552+/-2.377 χ^2/NDF:326091.3/7

+ sign 1674.485+/-0.524 χ^2/NDF: 19739657.0/25

All: 1524.439+/-0.373 χ^2/NDF: 41859414.0/5

- sign 1371.556+/-0.529 χ^2/NDF: 21954500.1/26

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 168.964+/-983.661 χ^2/NDF:17.8/9

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

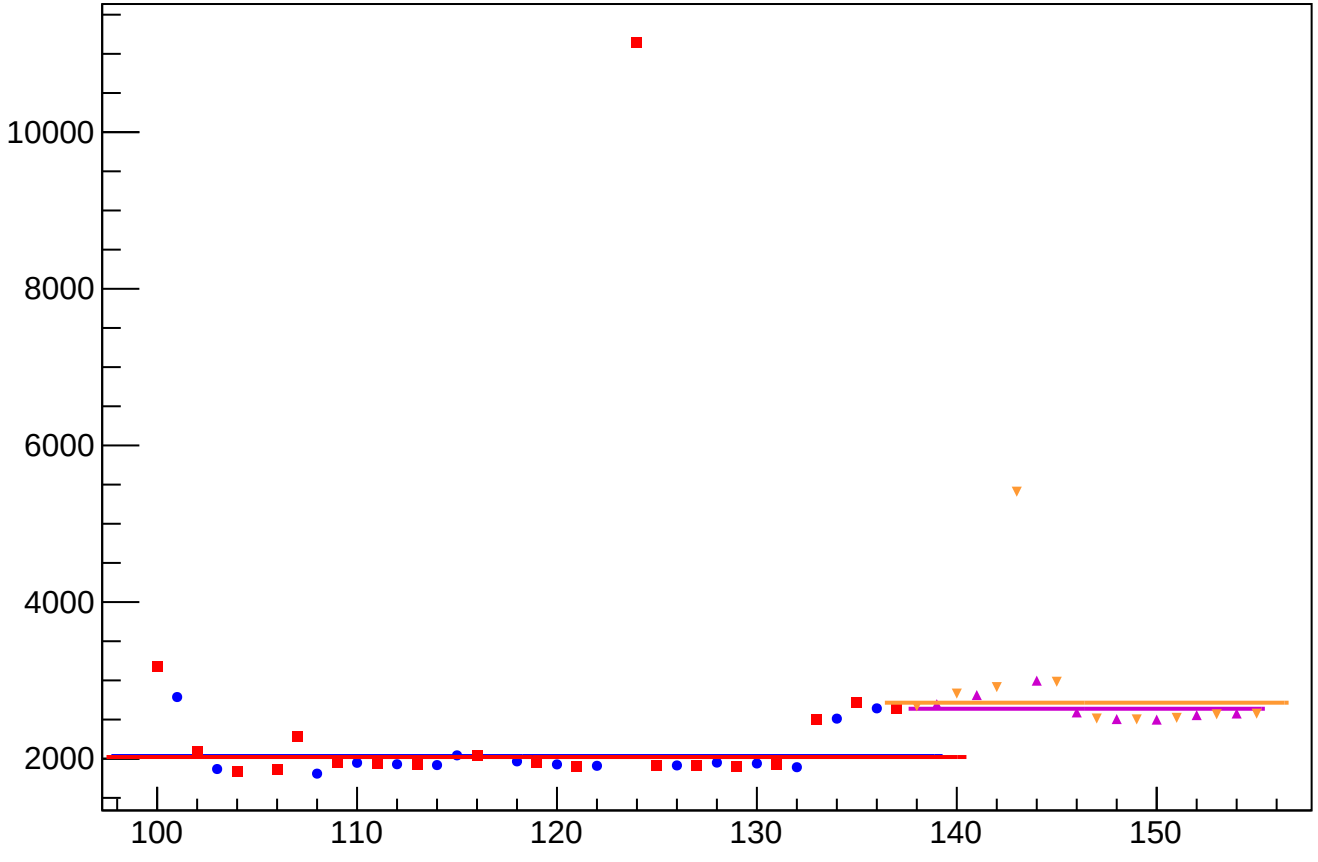
Left In: -2842.951+/-997.424 χ^2/NDF:5.0/7

+ sign 1324.868+/-603.559 χ^2/NDF: 29.6/25

All: -564.060+/-426.429 χ^2/NDF: 72.6/52

- sign -2446.783+/-602.567 χ^2/NDF: 23.4/26

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2715.211+/-0.696 χ^2/NDF:468670.6/9

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

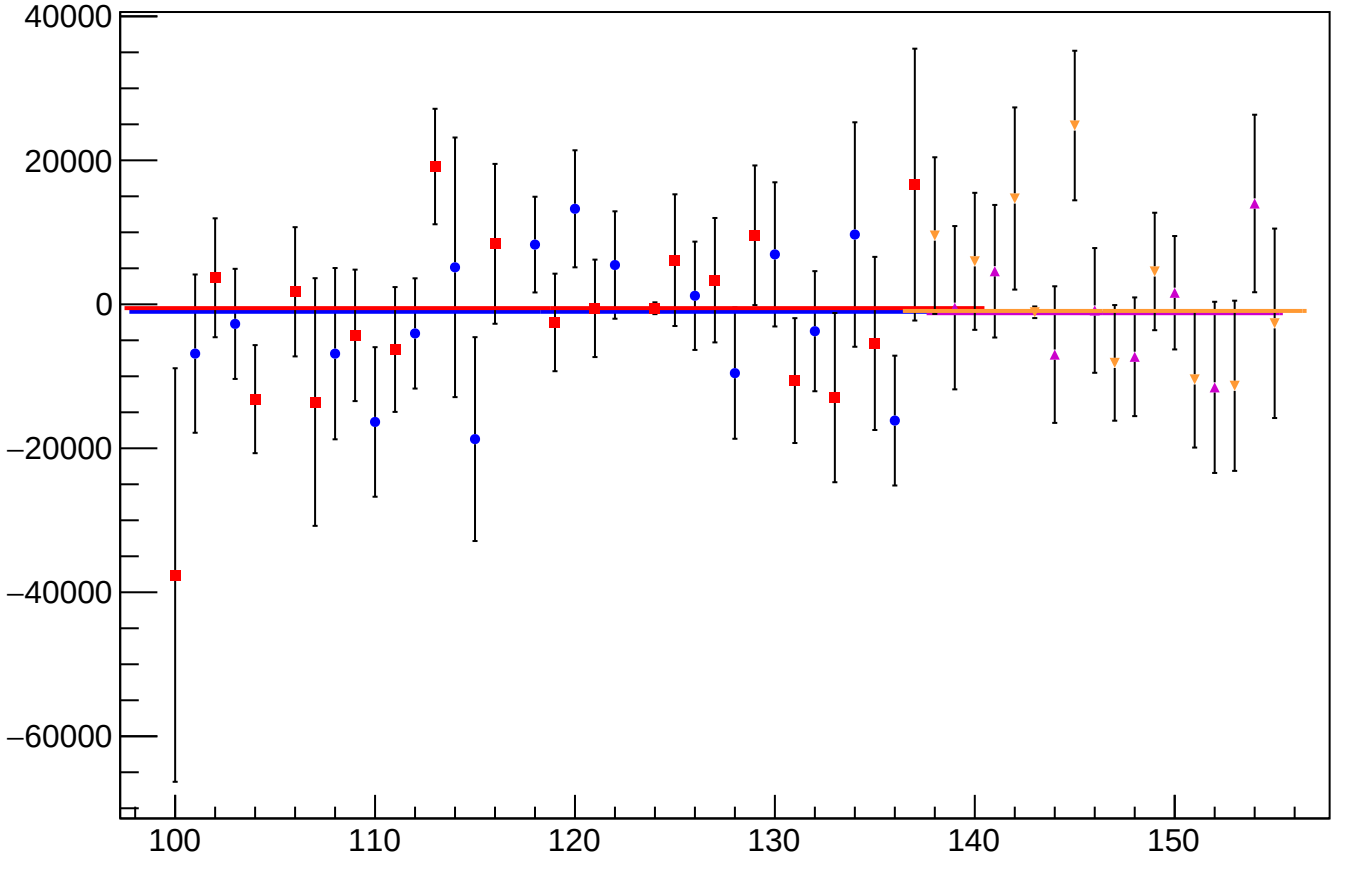
Left In: 2637.893+/-0.705 χ^2/NDF:46889.9/7

+ sign 2290.565+/-0.427 χ^2/NDF: 1329417.6/25

All: 2268.498+/-0.302 χ^2/NDF: 2256920.6/52

- sign 2246.504+/-0.426 χ^2/NDF: 922164.9/26

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -920.127+/-784.499 χ^2/NDF:12.2/9

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

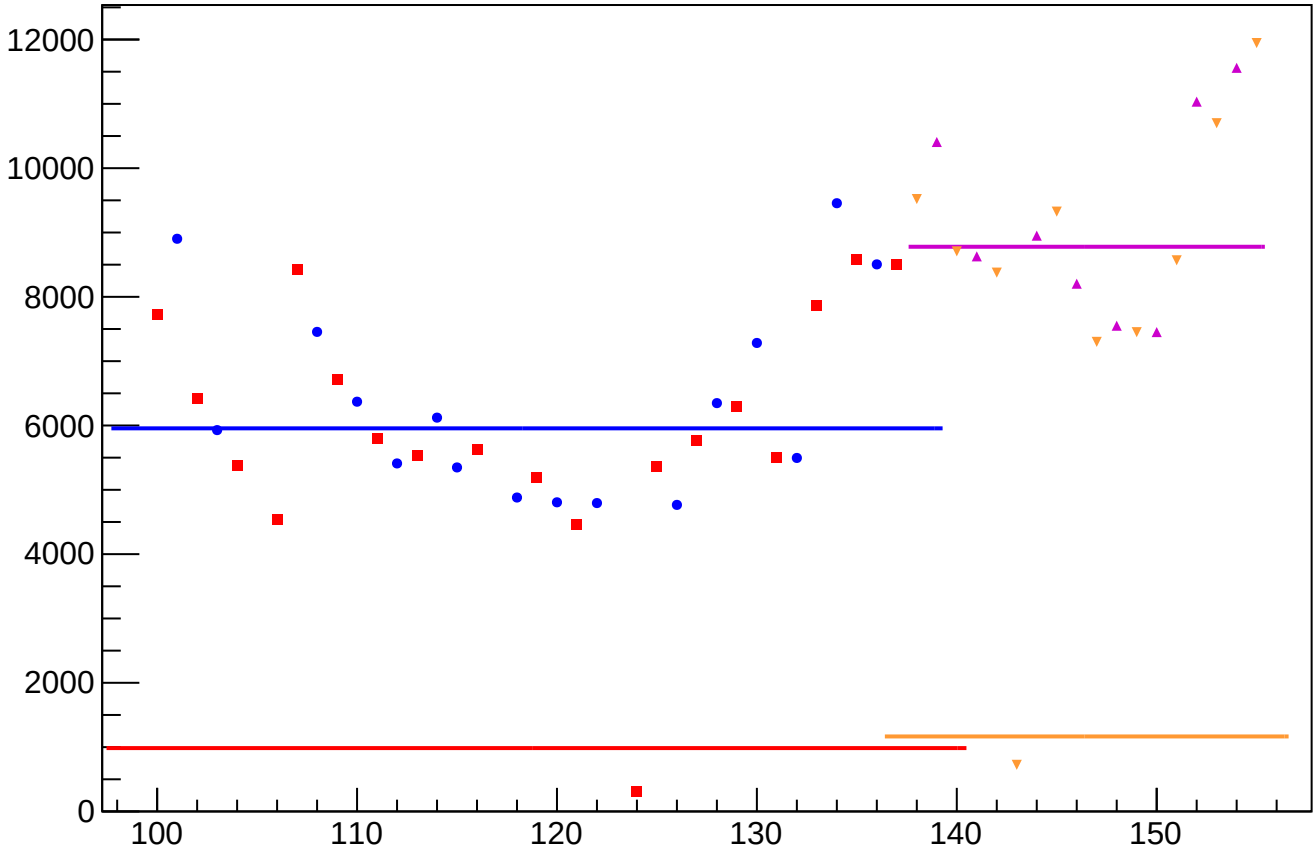
Left In: -1233.781+/-3361.796 χ^2/NDF:3.7/7

+ sign -932.636+/-741.683 χ^2/NDF: 27.6/25

All: -750.803+/-526.899 χ^2/NDF: 49.5/52

- sign -565.532+/-748.662 χ^2/NDF: 21.8/26

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1165.937+/-0.555 χ^2/NDF:11134879.5/9

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

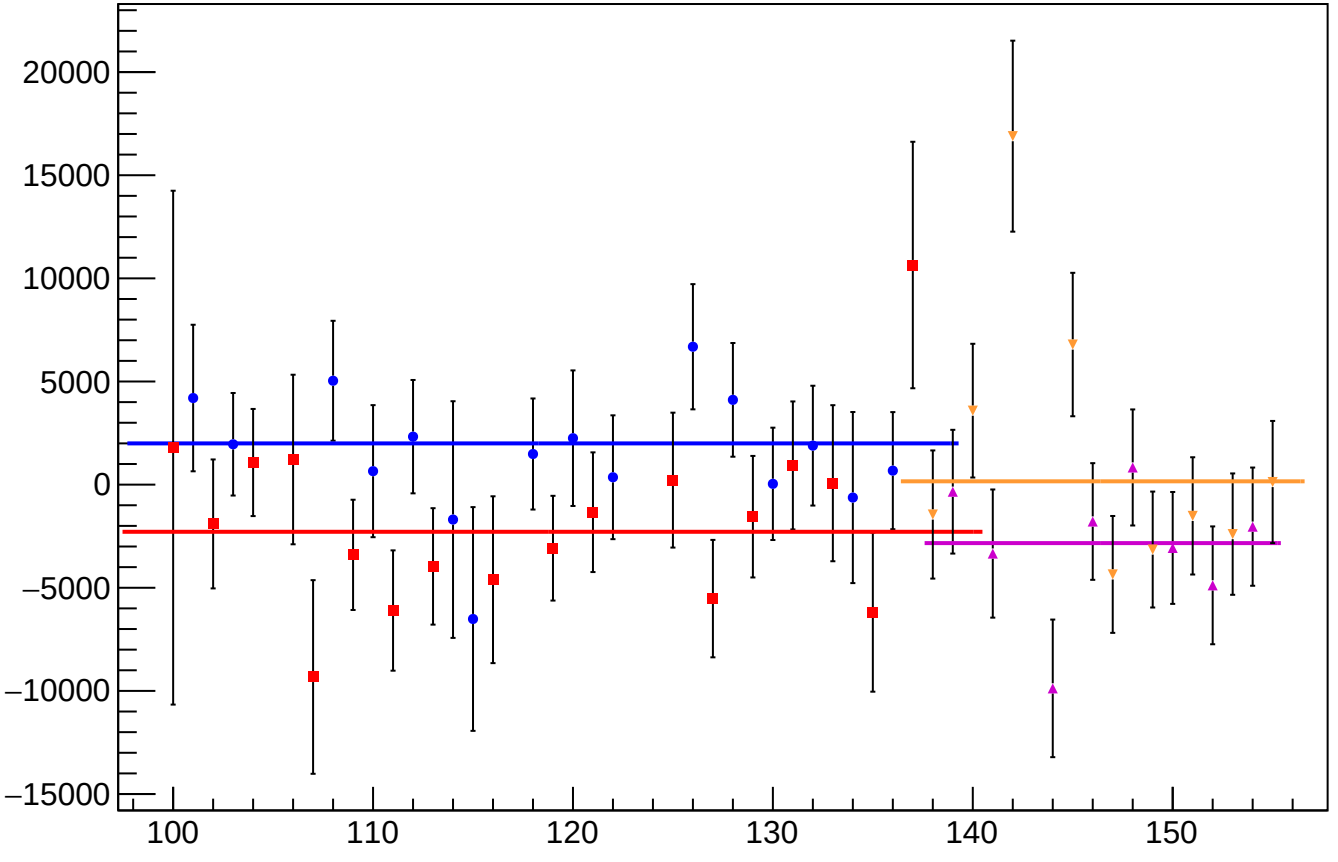
Left In: 8778.552+/-2.377 χ^2/NDF:326091.3/7

+ sign 1674.485+/-0.524 χ^2/NDF: 19739657.0/25

All: 1524.439+/-0.373 χ^2/NDF: 41859414.0/5

- sign 1371.556+/-0.529 χ^2/NDF: 21954500.1/26

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 160.809+/-1035.467 χ^2/NDF:23.1/8

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

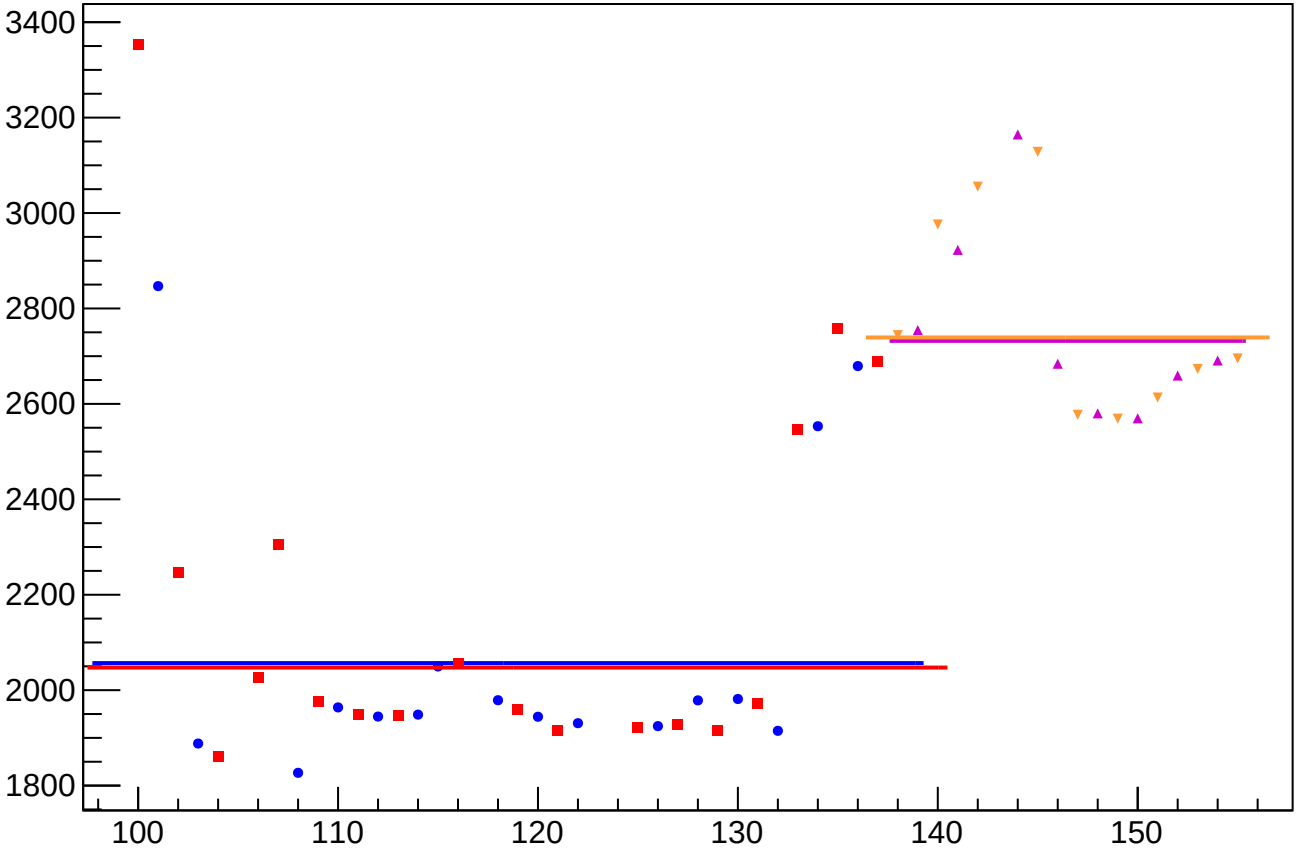
Left In: -2834.455+/-1033.517 χ^2/NDF:7.6/7

+ sign 1340.731+/-619.709 χ^2/NDF: 34.1/24

All: -575.545+/-437.644 χ^2/NDF: 77.7/50

- sign -2482.126+/-618.139 χ^2/NDF: 24.4/25

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2739.201+/-0.732 χ^2/NDF:64290.7/8

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

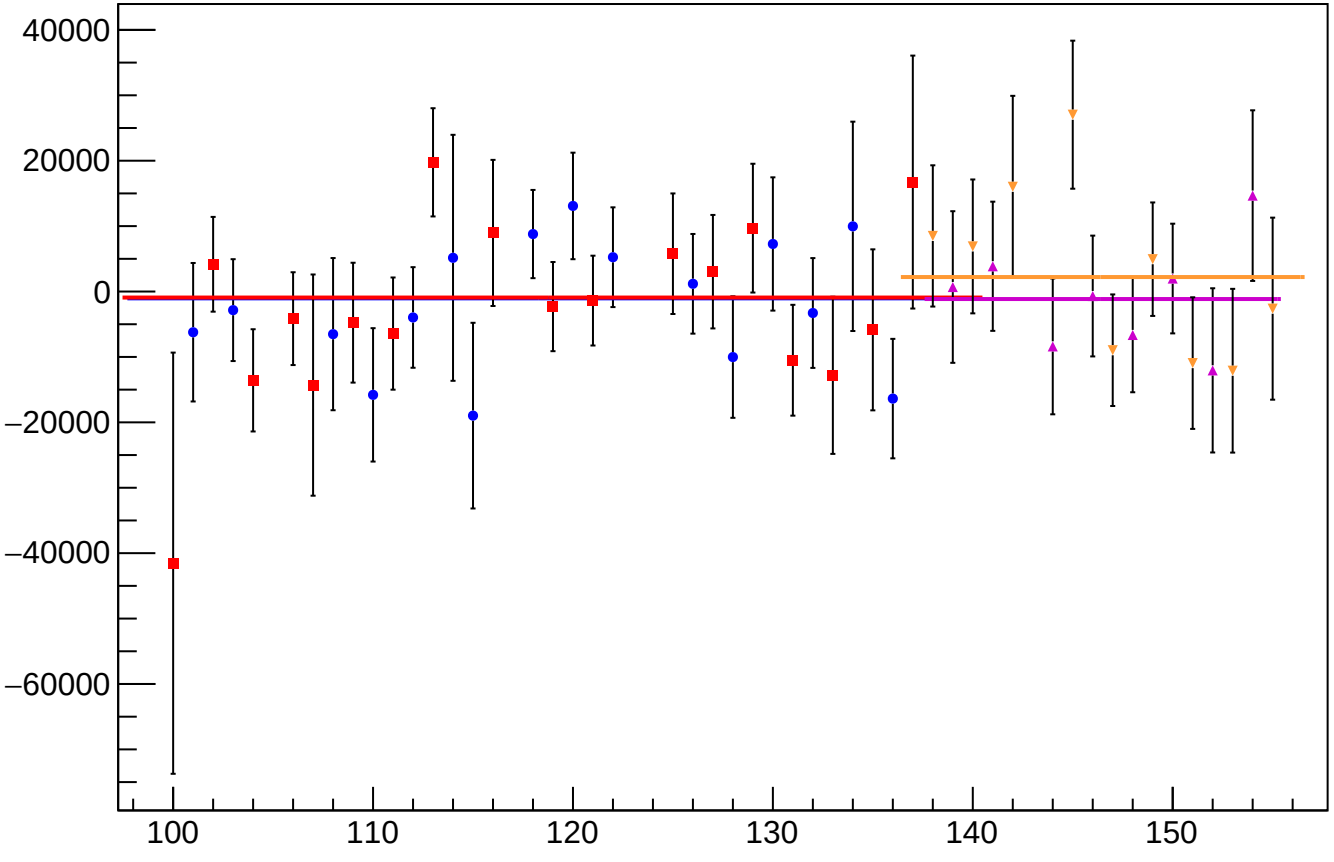
Left In: 2732.084+/-0.731 χ^2/NDF:56553.5/7

+ sign 2301.220+/-0.438 χ^2/NDF: 892258.4/24

All: 2296.517+/-0.309 χ^2/NDF: 1709943.9/50

- sign 2291.847+/-0.437 χ^2/NDF: 817455.9/25

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 2213.931+/-3545.216 χ^2/NDF:11.3/8

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

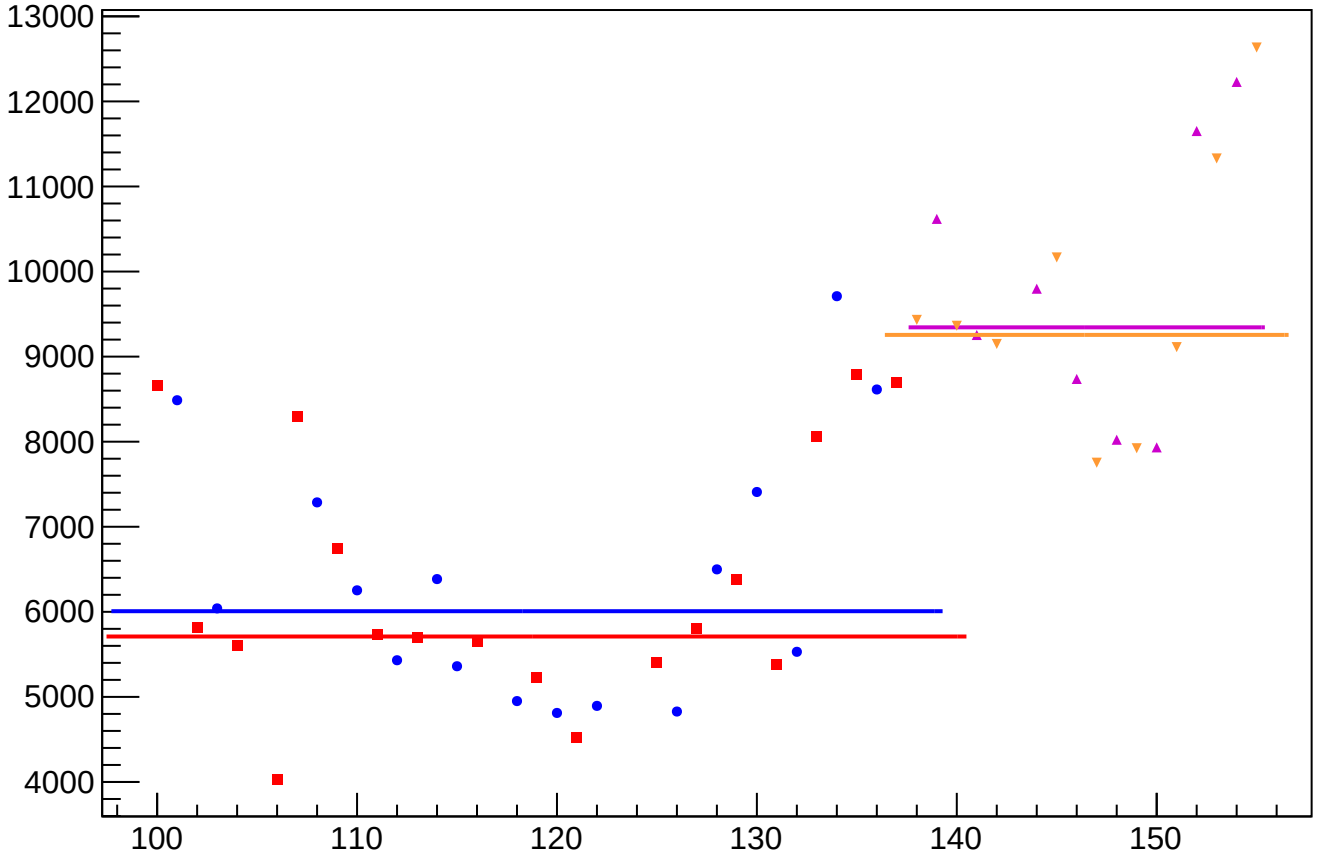
Left In: -1147.637+/-3576.336 χ^2/NDF:3.5/7

+ sign -81.086+/-1926.324 χ^2/NDF: 27.2/24

All: -550.466+/-1331.763 χ^2/NDF: 49.2/50

- sign -980.219+/-1843.218 χ^2/NDF: 21.9/25

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9255.270+/-2.507 χ^2/NDF:296256.6/8

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

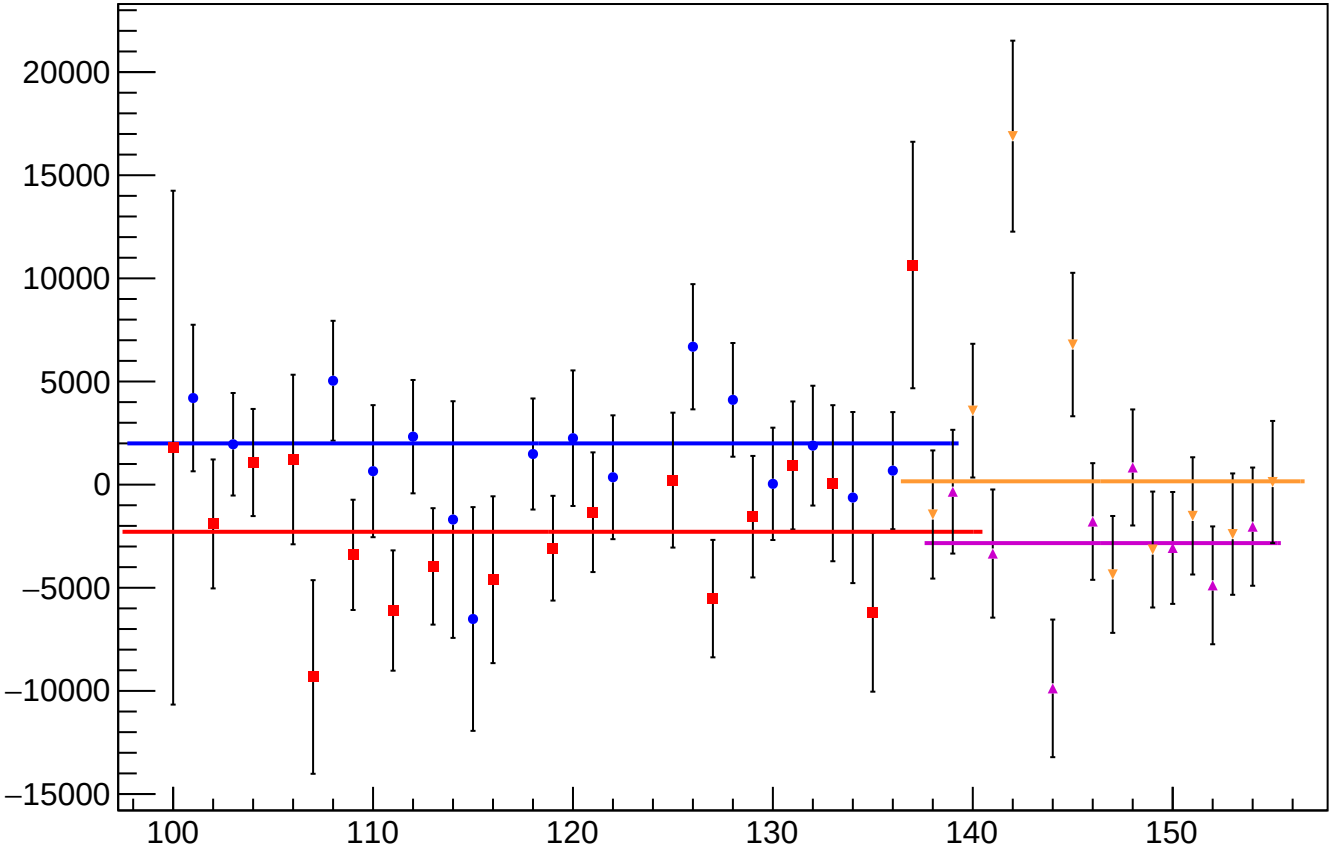
Left In: 9344.114+/-2.529 χ^2/NDF:304412.8/7

+ sign 6966.314+/-1.362 χ^2/NDF: 2133233.3/24

All: 6814.372+/-0.942 χ^2/NDF: 4514070.4/50

- sign 6675.257+/-1.303 χ^2/NDF: 2357001.4/25

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 160.814+/-1035.467 χ^2/NDF:23.1/8

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

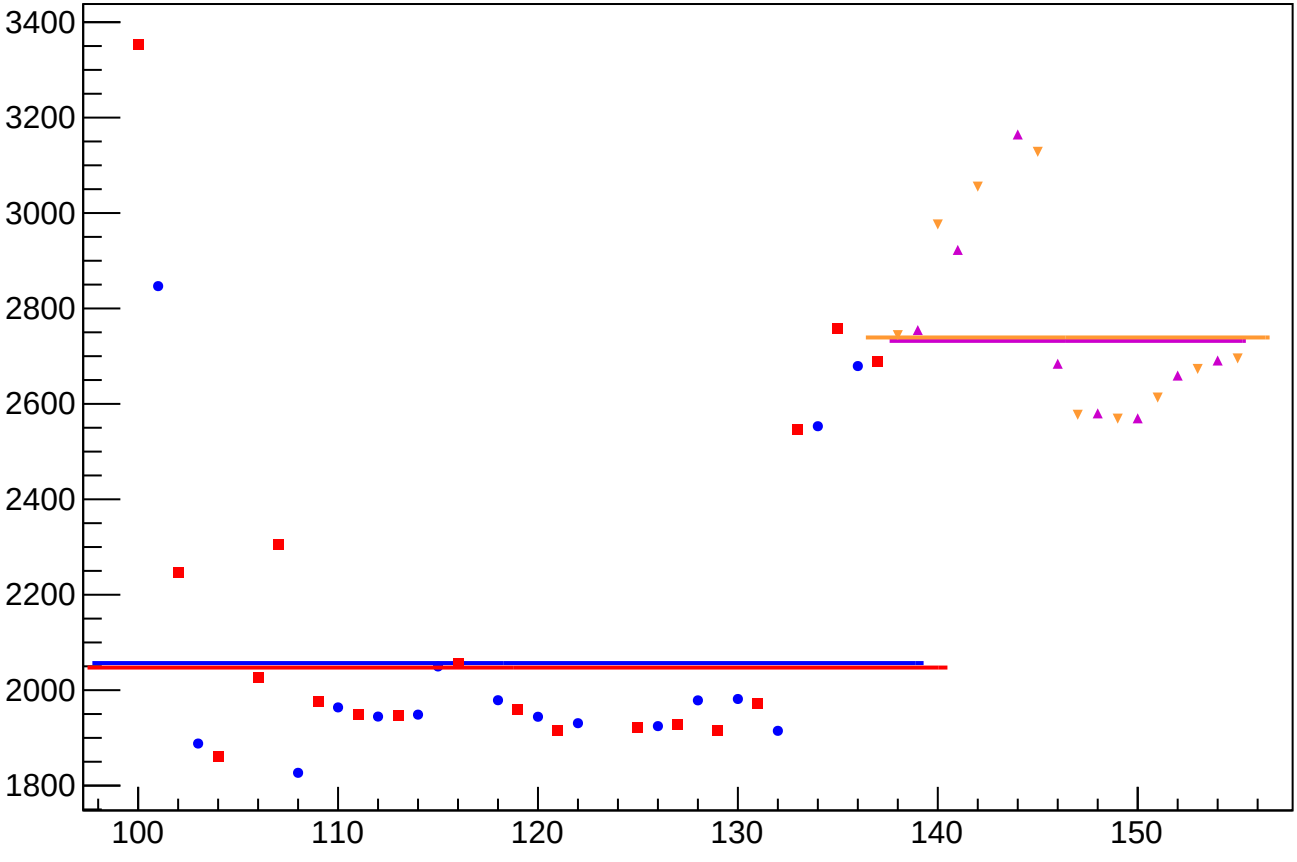
Left In: -2834.455+/-1033.517 χ^2/NDF:7.6/7

+ sign 1340.737+/-619.709 χ^2/NDF: 34.1/24

All: -575.543+/-437.644 χ^2/NDF: 77.7/50

- sign -2482.128+/-618.139 χ^2/NDF: 24.4/25

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2739.203+/-0.732 χ^2/NDF:64291.8/8

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

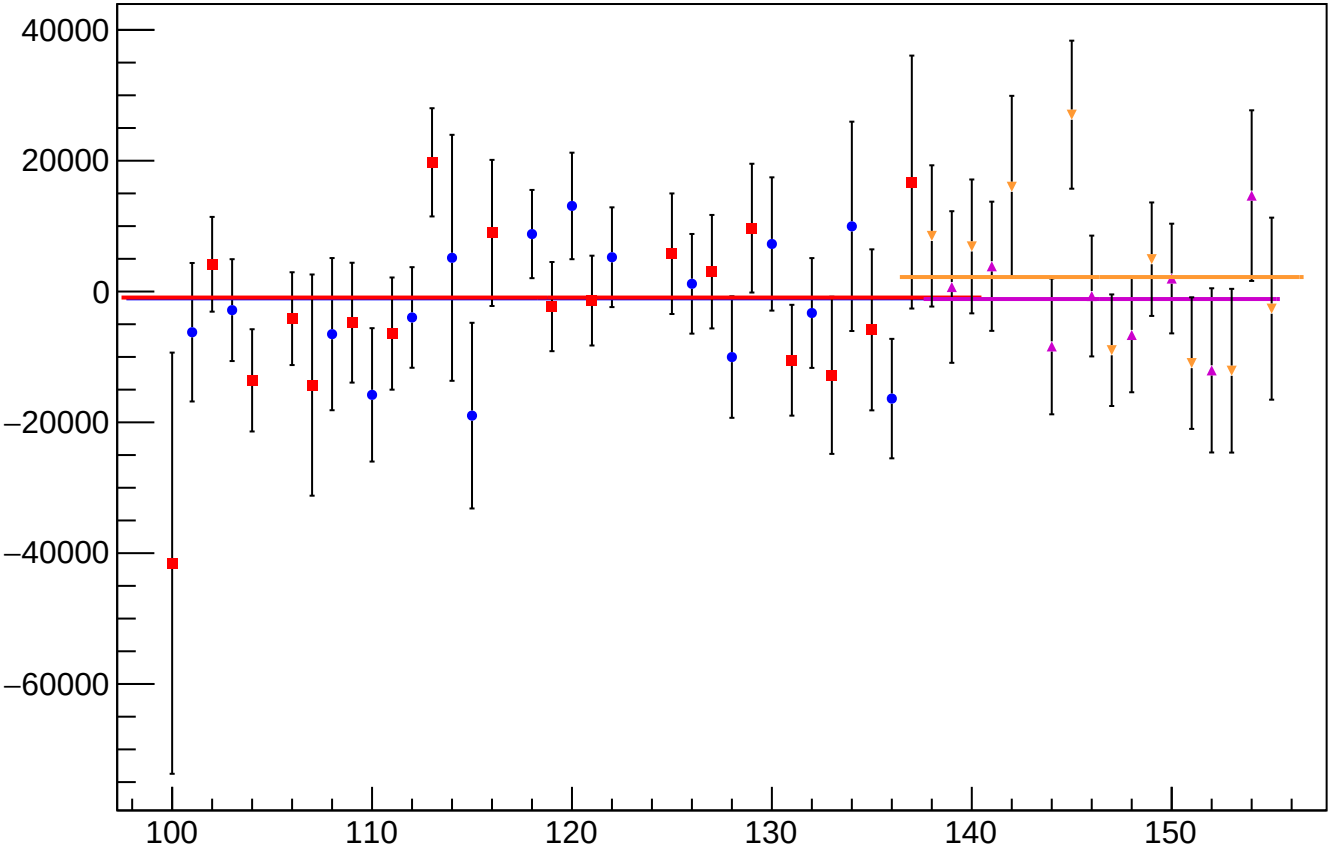
Left In: 2732.086+/-0.731 χ^2/NDF:56554.2/7

+ sign 2301.221+/-0.438 χ^2/NDF: 892262.4/24

All: 2296.518+/-0.309 χ^2/NDF: 1709952.5/50

- sign 2291.848+/-0.437 χ^2/NDF: 817460.5/25

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 2213.925+/-3545.221 χ^2/NDF:11.3/8

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

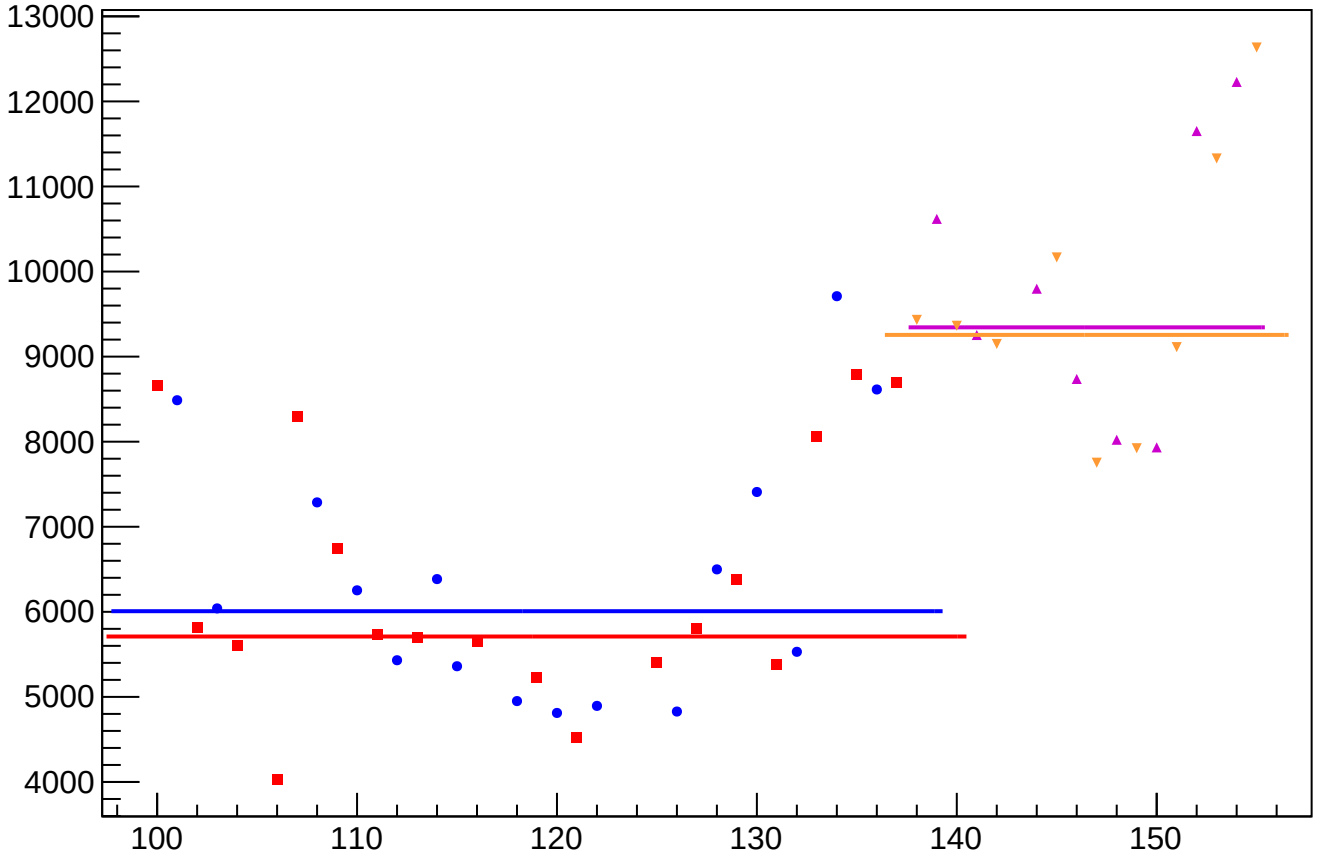
Left In: -1147.639+/-3576.340 χ^2/NDF:3.5/7

\+ sign -81.086+/-1926.321 χ^2/NDF: 27.2/24

All: -550.468+/-1331.761 χ^2/NDF: 49.2/50

\- sign -980.223+/-1843.215 χ^2/NDF: 21.9/25

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9255.282+/-2.507 χ^2/NDF:296259.3/8

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

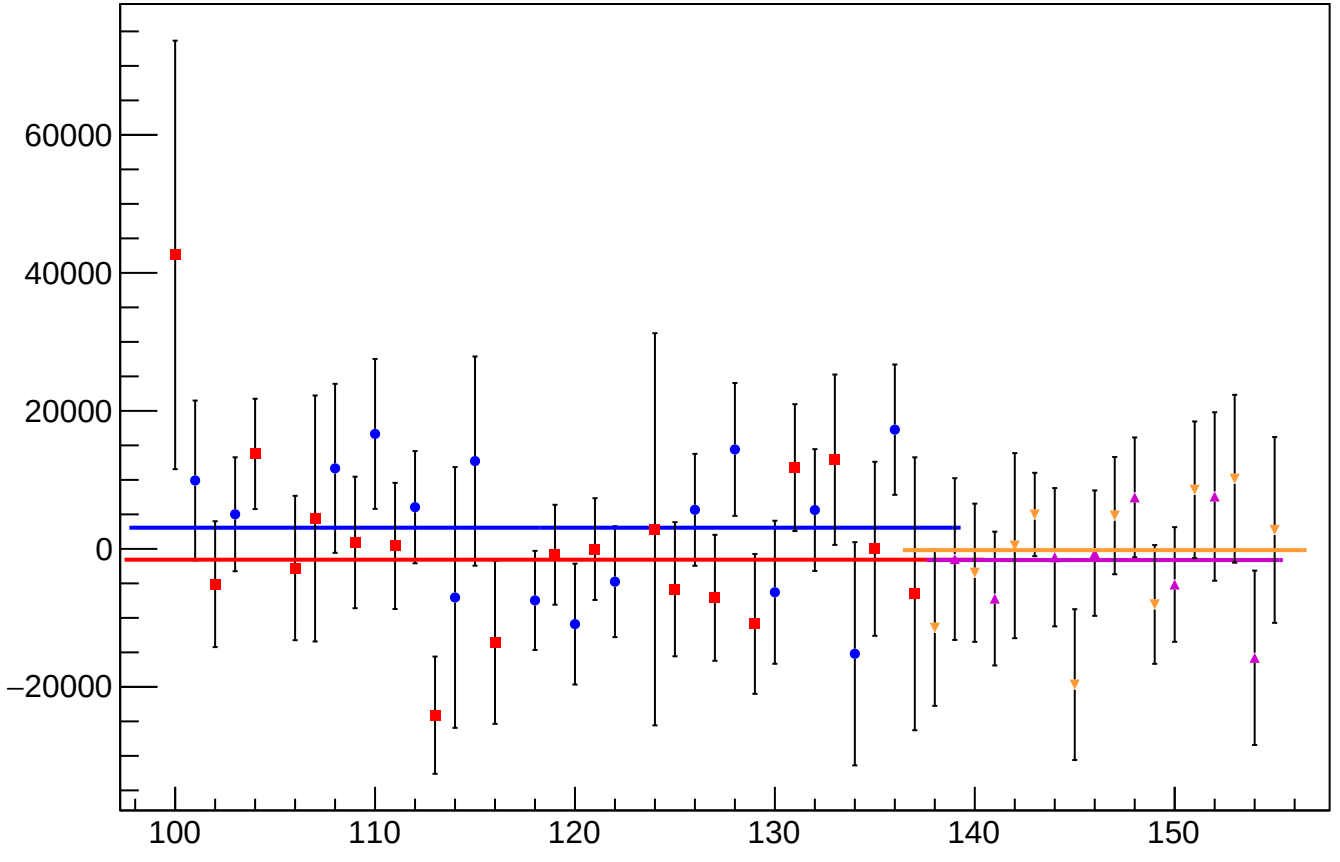
Left In: 9344.125+/-2.529 χ^2/NDF:304415.7/7

+ sign 6966.298+/-1.362 χ^2/NDF: 2133266.8/24

All: 6814.356+/-0.942 χ^2/NDF: 4514133.0/50

- sign 6675.242+/-1.303 χ^2/NDF: 2357030.6/25

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -182.386+/-3030.174 χ^2/NDF:7.7/9

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

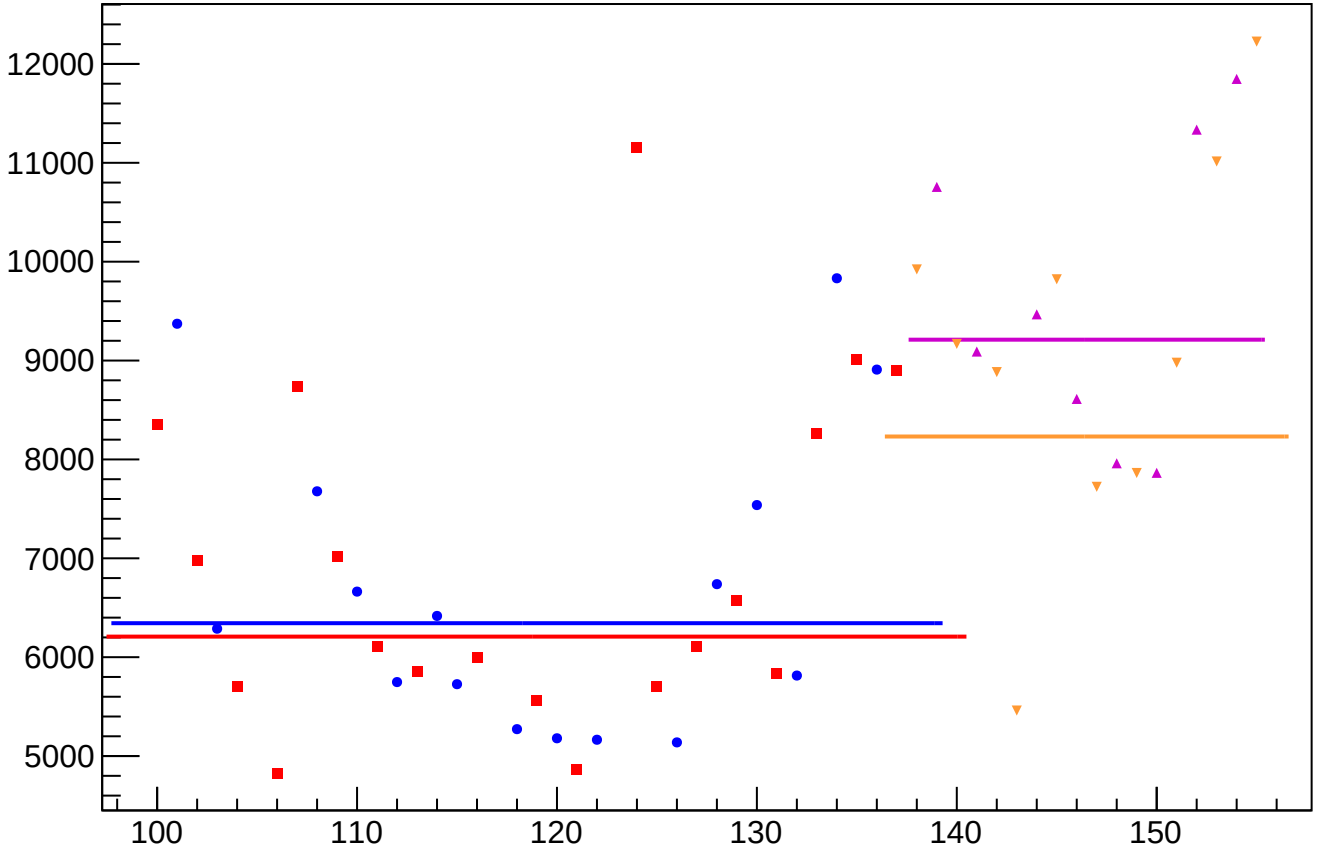
Left In: -1617.916+/-3520.826 χ^2/NDF:3.4/7

+ sign 1803.139+/-1891.306 χ^2/NDF: 23.3/25

All: 158.906+/-1356.435 χ^2/NDF: 47.5/52

- sign -1582.622+/-1946.460 χ^2/NDF: 22.7/26

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8231.853+/-2.143 χ^2/NDF:832455.5/9

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

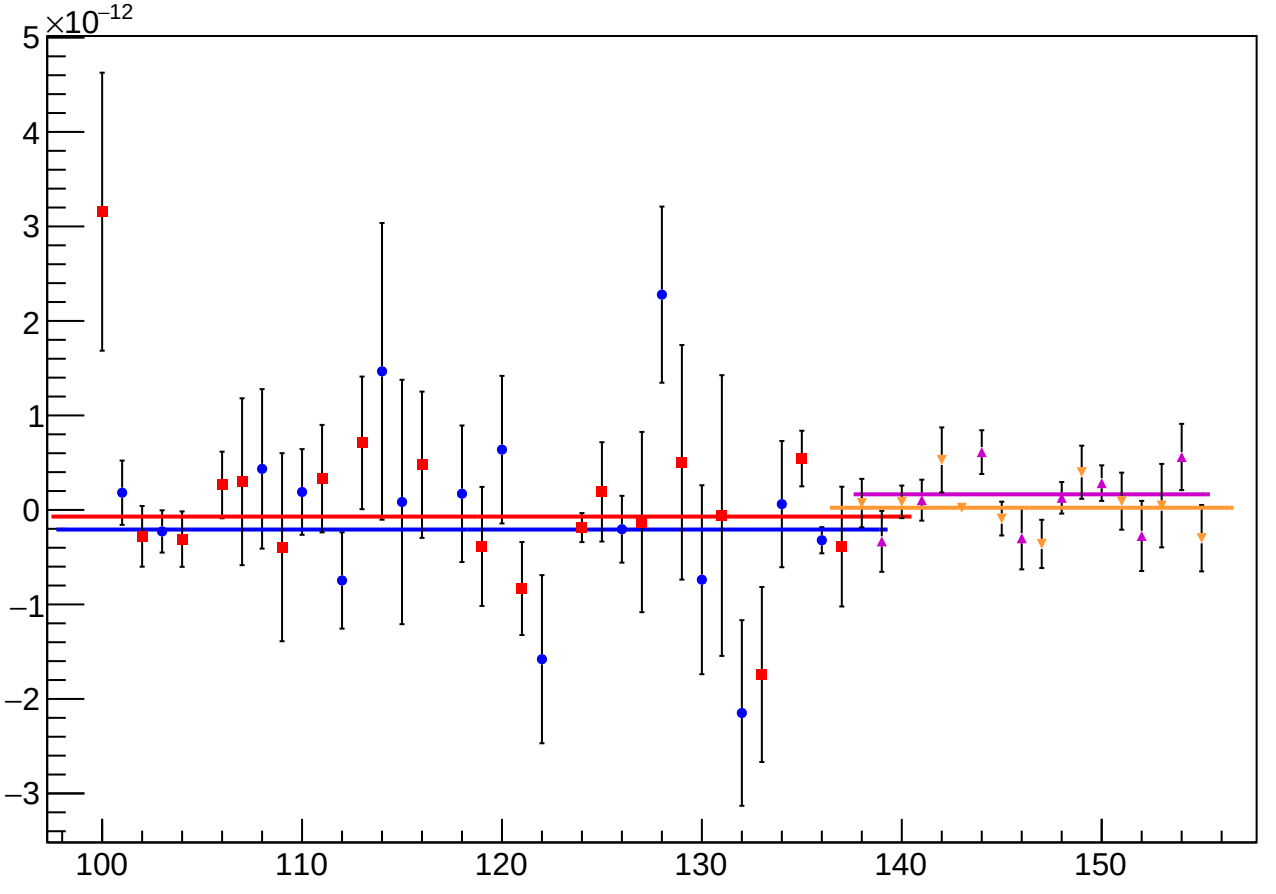
Left In: 9211.133+/-2.490 χ^2/NDF:286649.2/7

+ sign 7079.330+/-1.337 χ^2/NDF: 1927675.3/25

All: 7101.958+/-0.959 χ^2/NDF: 3697055.0/52

- sign 7125.925+/-1.376 χ^2/NDF: 1768790.2/26

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:7.7/9

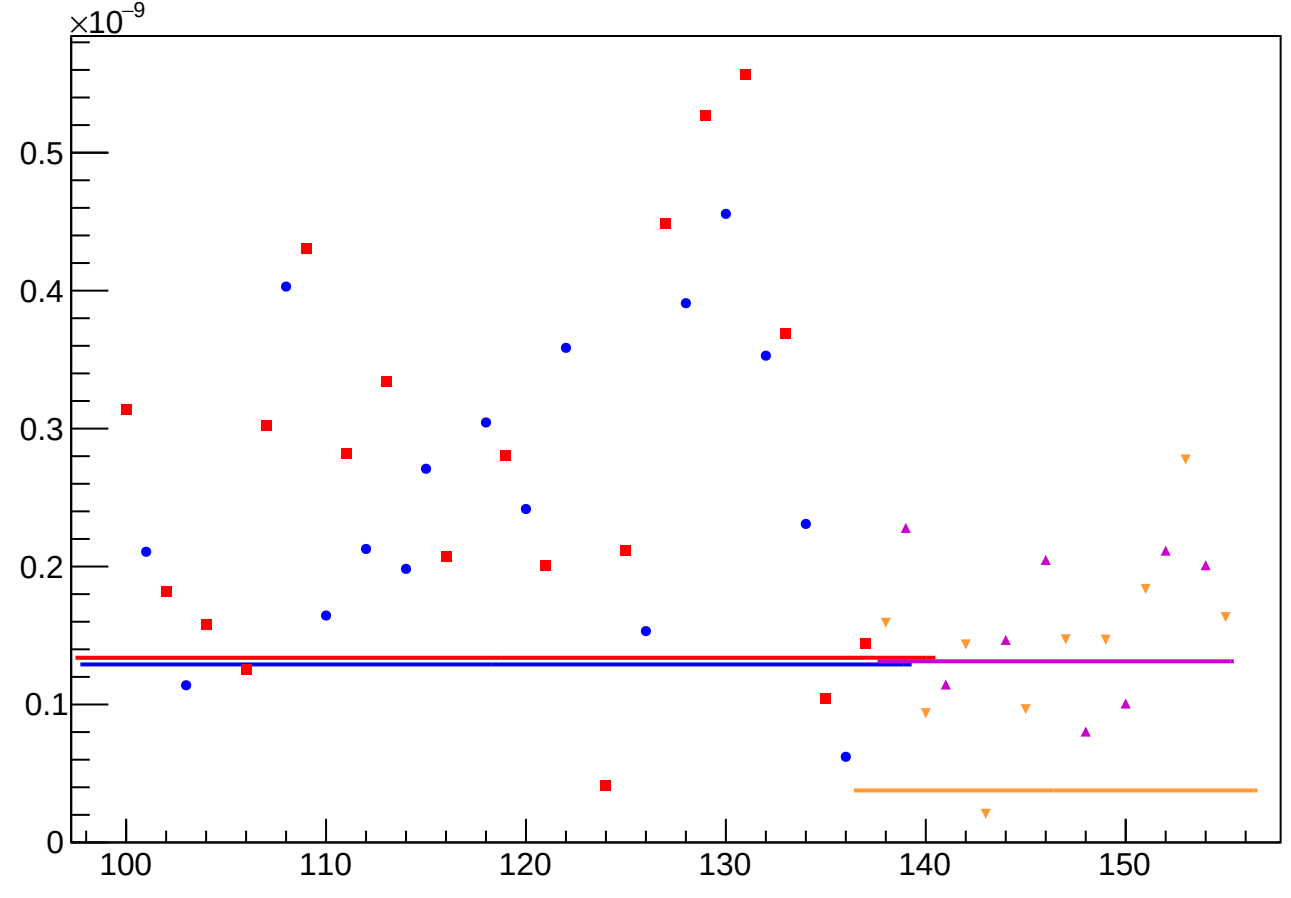
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 33.9/25

All: 0.000+/-0.000 χ^2/NDF: 70.2/52

- sign 0.000+/-0.000 χ^2/NDF: 35.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3505330.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

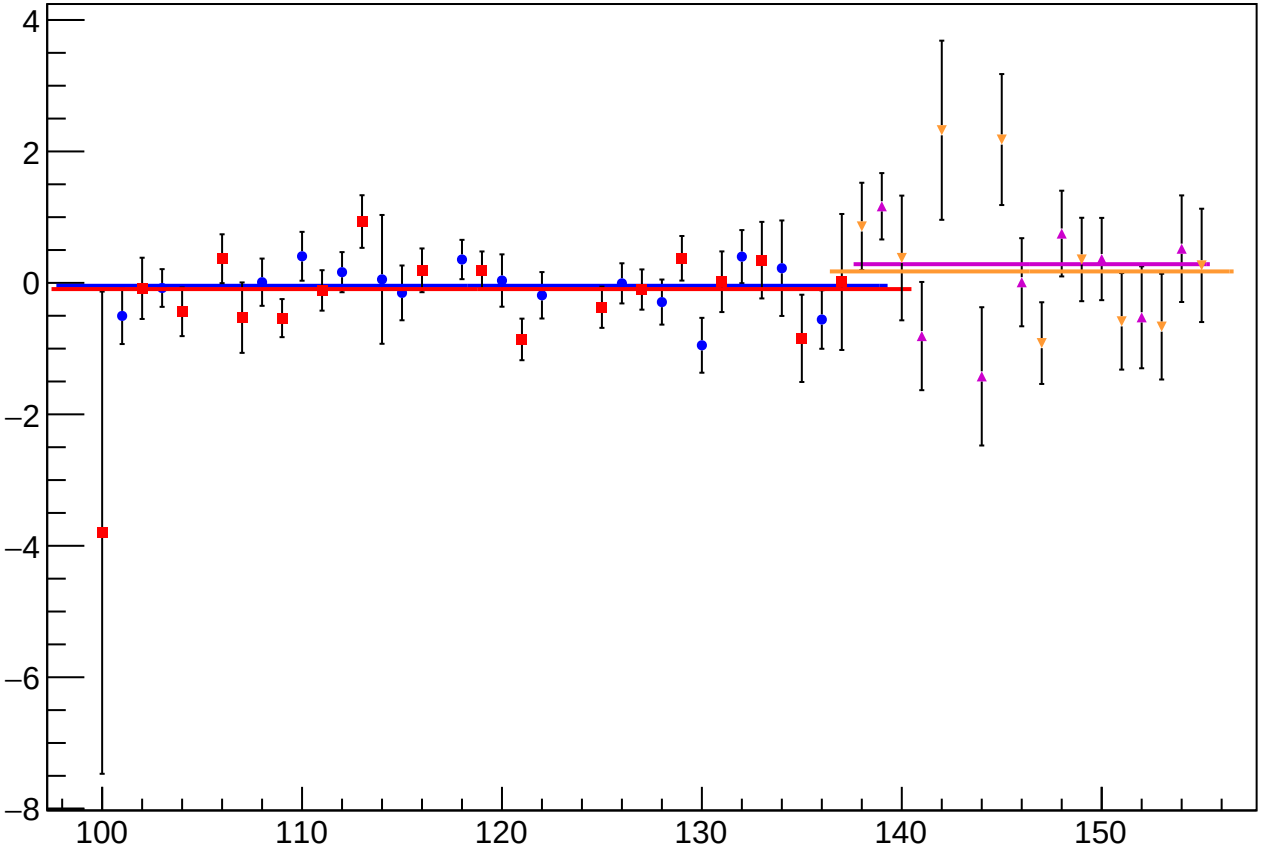
Left In: 0.000+/-0.000 χ^2/NDF:711625.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 6869982.9/25

All: 0.000+/-0.000 χ^2/NDF: 12781859.4/52

- sign 0.000+/-0.000 χ^2/NDF: 3016919.7/26

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.174+/-0.261 χ^2/NDF:13.0/8

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

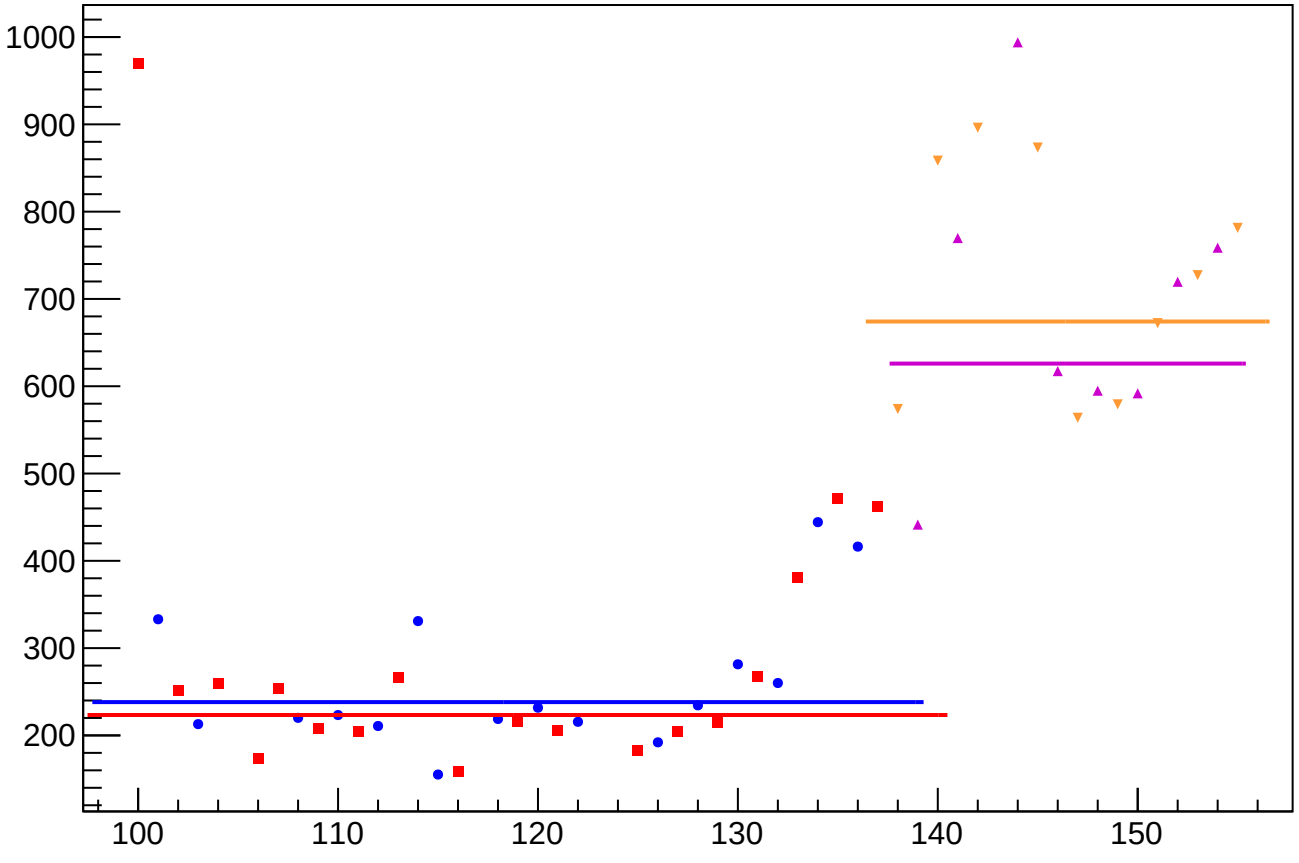
Left In: 0.285+/-0.245 χ^2/NDF:9.3/7

\+ sign -0.019+/-0.088 χ^2/NDF: 26.7/24

All: -0.035+/-0.061 χ^2/NDF: 63.4/50

\- sign -0.049+/-0.085 χ^2/NDF: 36.7/25

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 674.137+/-0.184 χ^2/NDF:401306.2/8

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

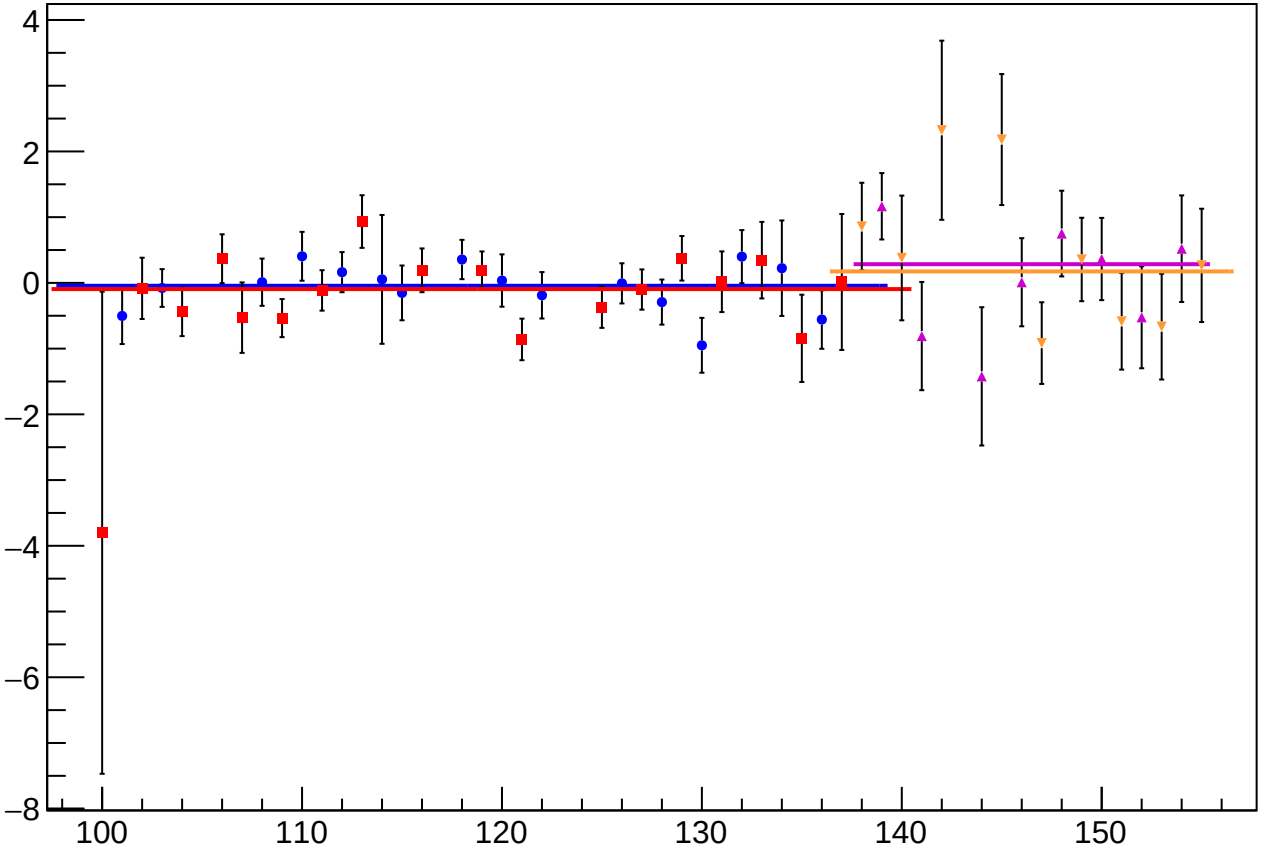
Left In: 625.939+/-0.173 χ^2/NDF:666283.8/7

+ sign 288.200+/-0.062 χ^2/NDF: 6167208.1/24

All: 279.318+/-0.043 χ^2/NDF: 12480454.5/50

- sign 271.170+/-0.060 χ^2/NDF: 6274402.6/25

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.174+/-0.261 χ^2/NDF:13.0/8

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

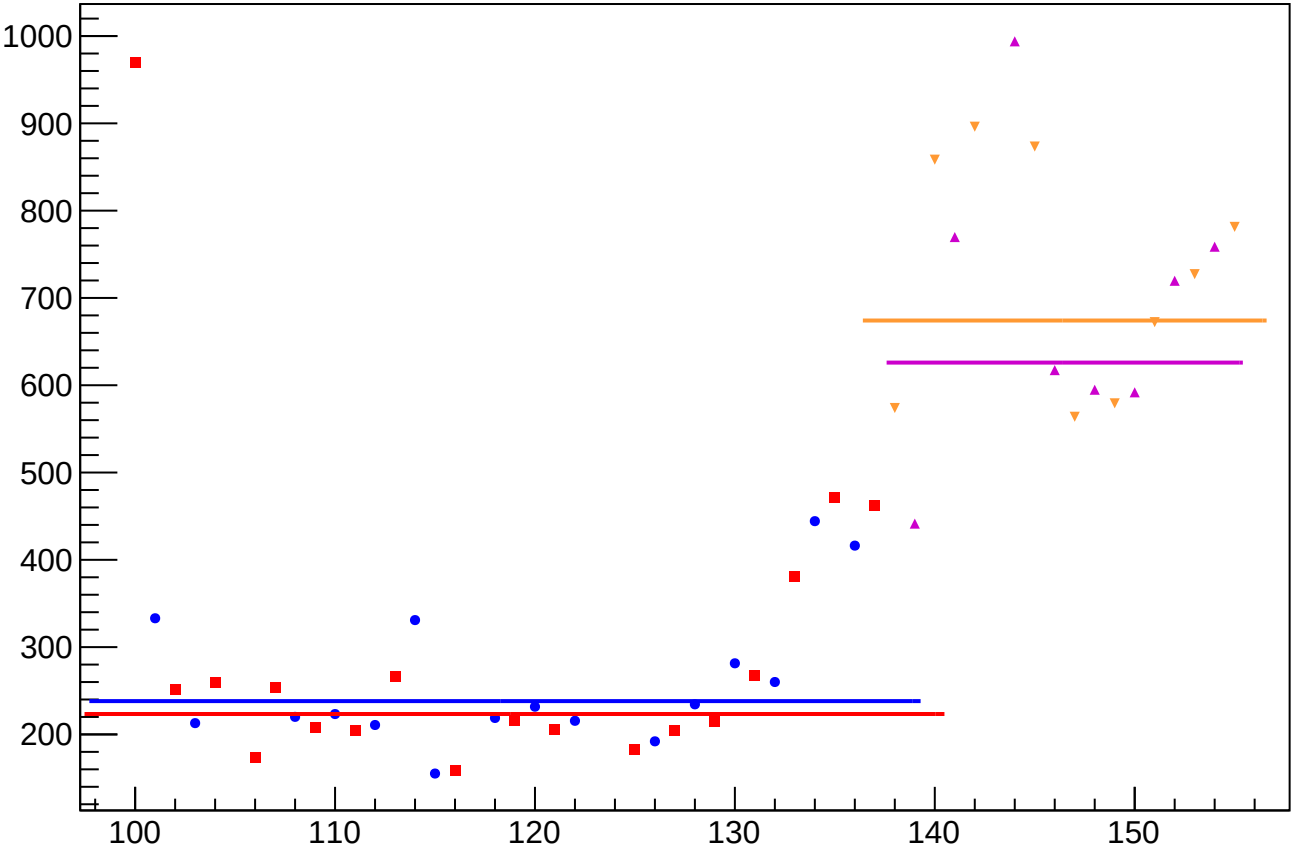
Left In: 0.285+/-0.245 χ^2/NDF:9.3/7

\+ sign -0.019+/-0.088 χ^2/NDF: 26.7/24

All: -0.035+/-0.061 χ^2/NDF: 63.4/50

\- sign -0.049+/-0.085 χ^2/NDF: 36.7/25

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 674.137+/-0.184 χ^2/NDF:401306.2/8

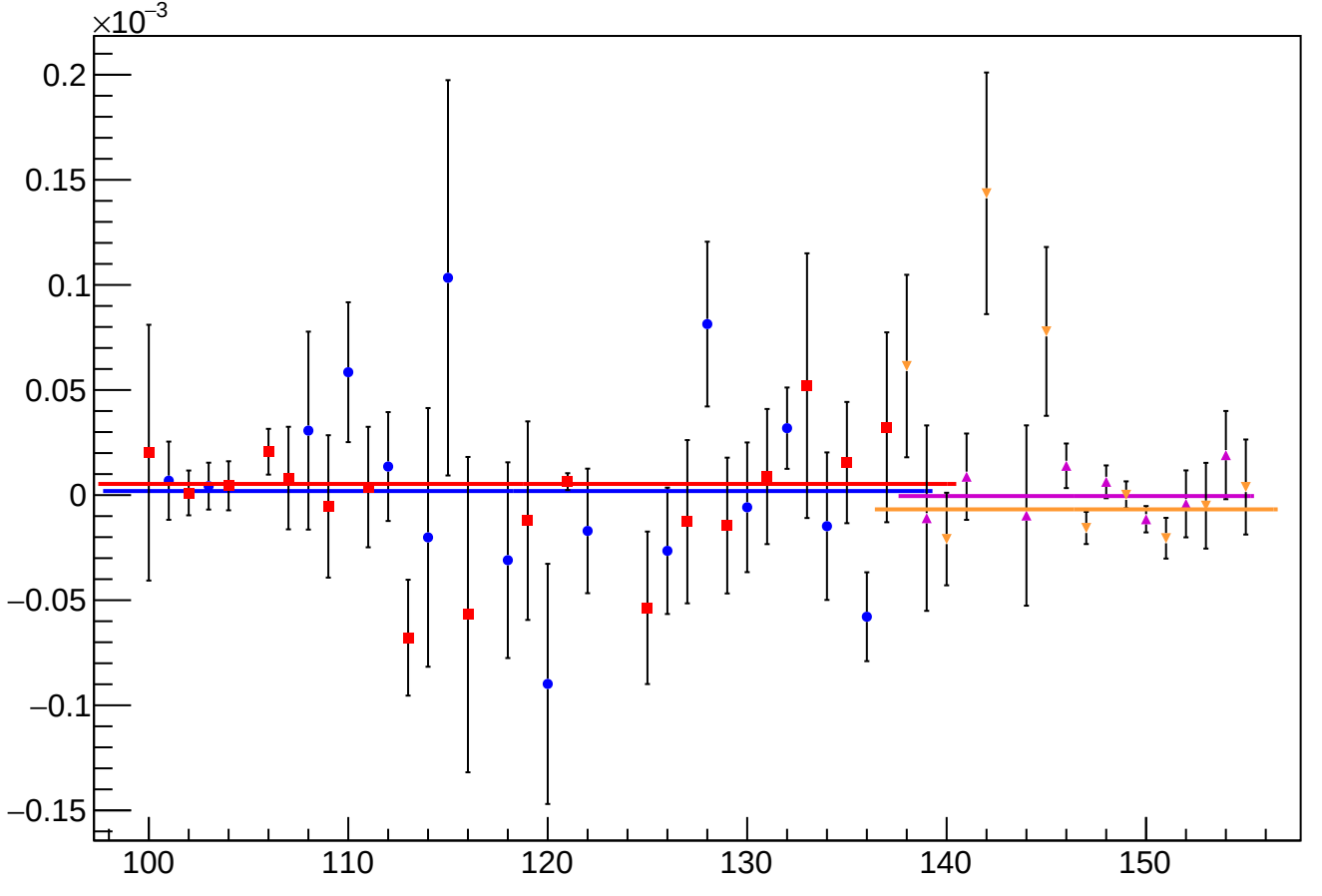
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 625.939+/-0.173 χ^2/NDF:666283.8/7

+ sign 288.200+/-0.062 χ^2/NDF: 6167208.1/24

All: 279.318+/-0.043 χ^2/NDF: 12480454.5/5

- sign 271.170+/-0.060 χ^2/NDF: 6274402.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/8

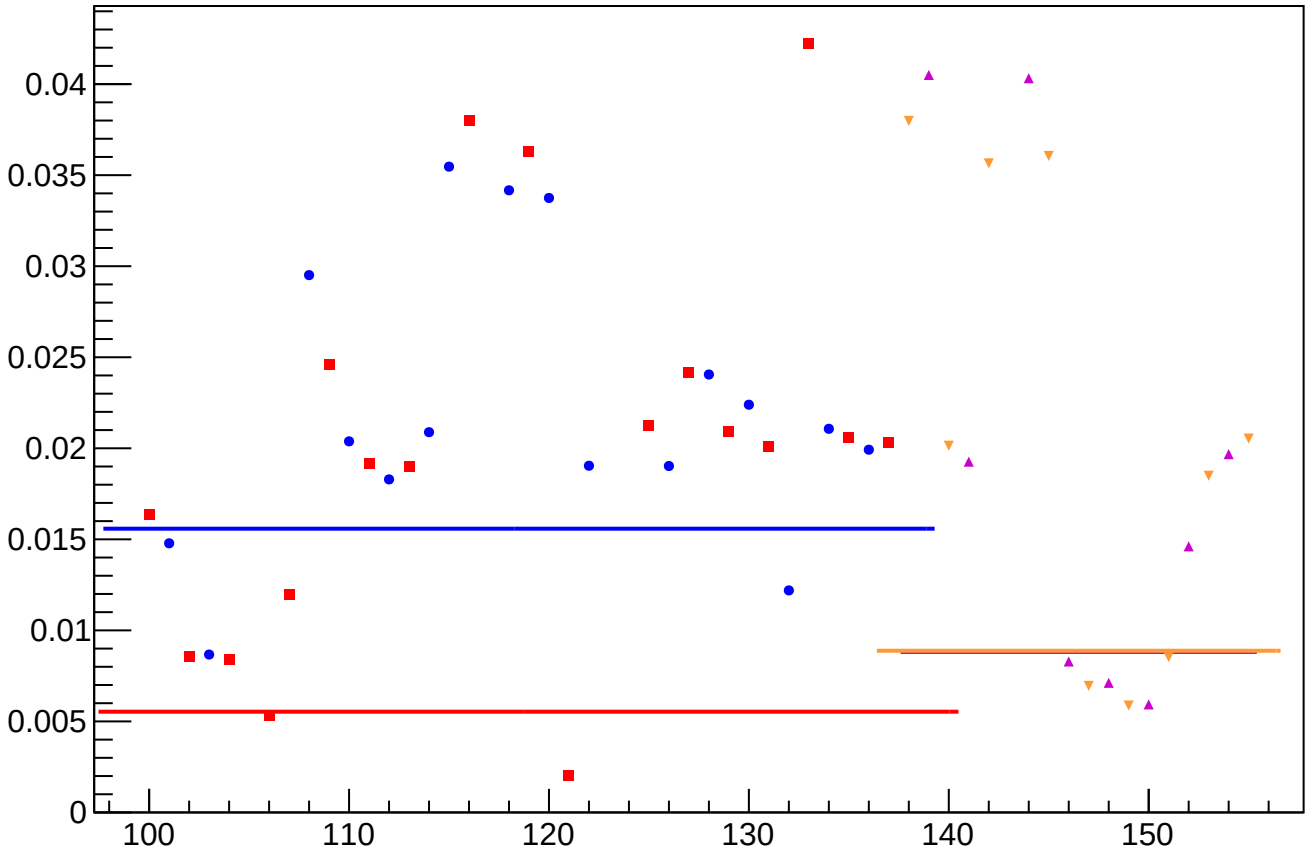
Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/24

All: 0.000+/-0.000 χ^2/NDF: 69.9/50

- sign 0.000+/-0.000 χ^2/NDF: 22.7/25



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:4314424.1/8

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

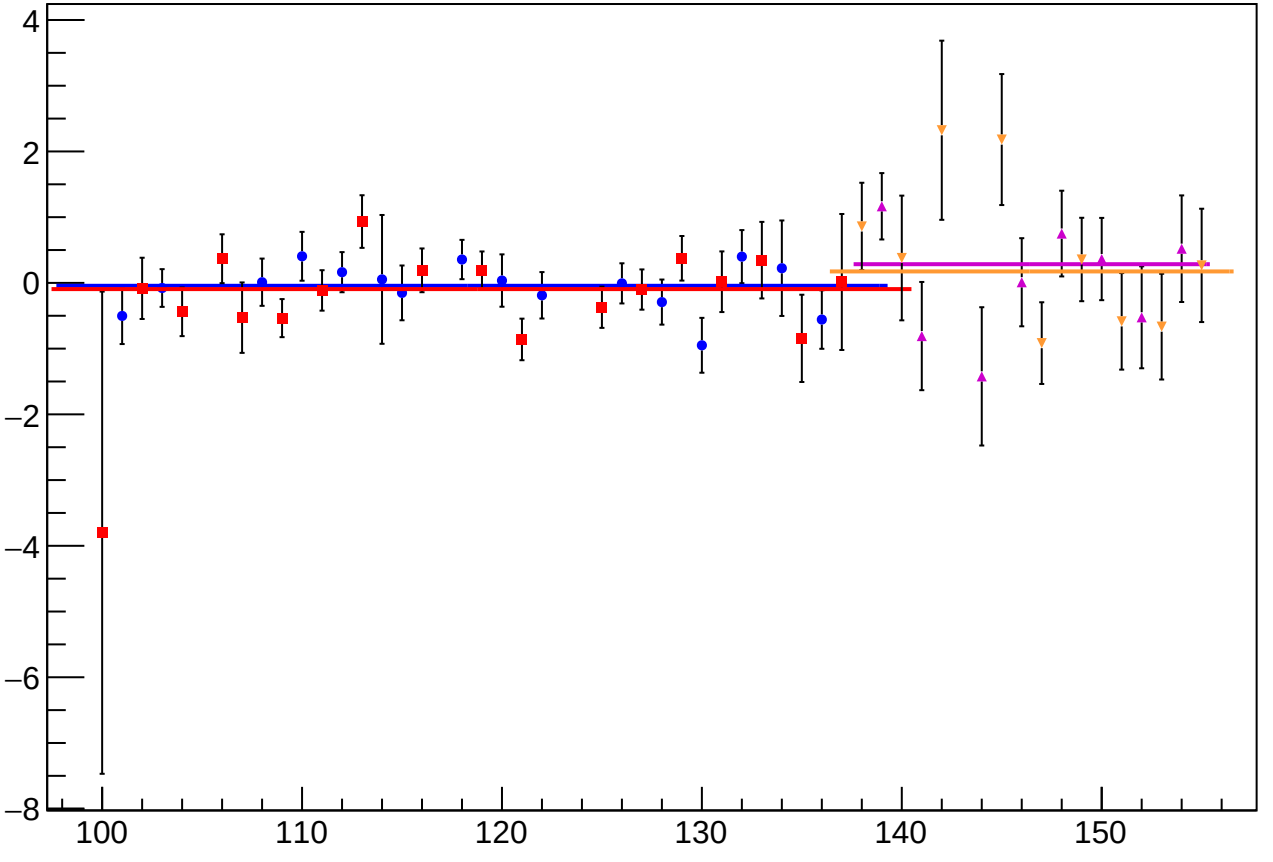
Left In: 0.009+/-0.000 χ^2/NDF:3952609.1/7

+ sign 0.011+/-0.000 χ^2/NDF: 7955457.1/24

All: 0.008+/-0.000 χ^2/NDF: 22469424.4/50

- sign 0.007+/-0.000 χ^2/NDF: 12710684.8/25

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.174+/-0.261 χ^2/NDF:13.0/8

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

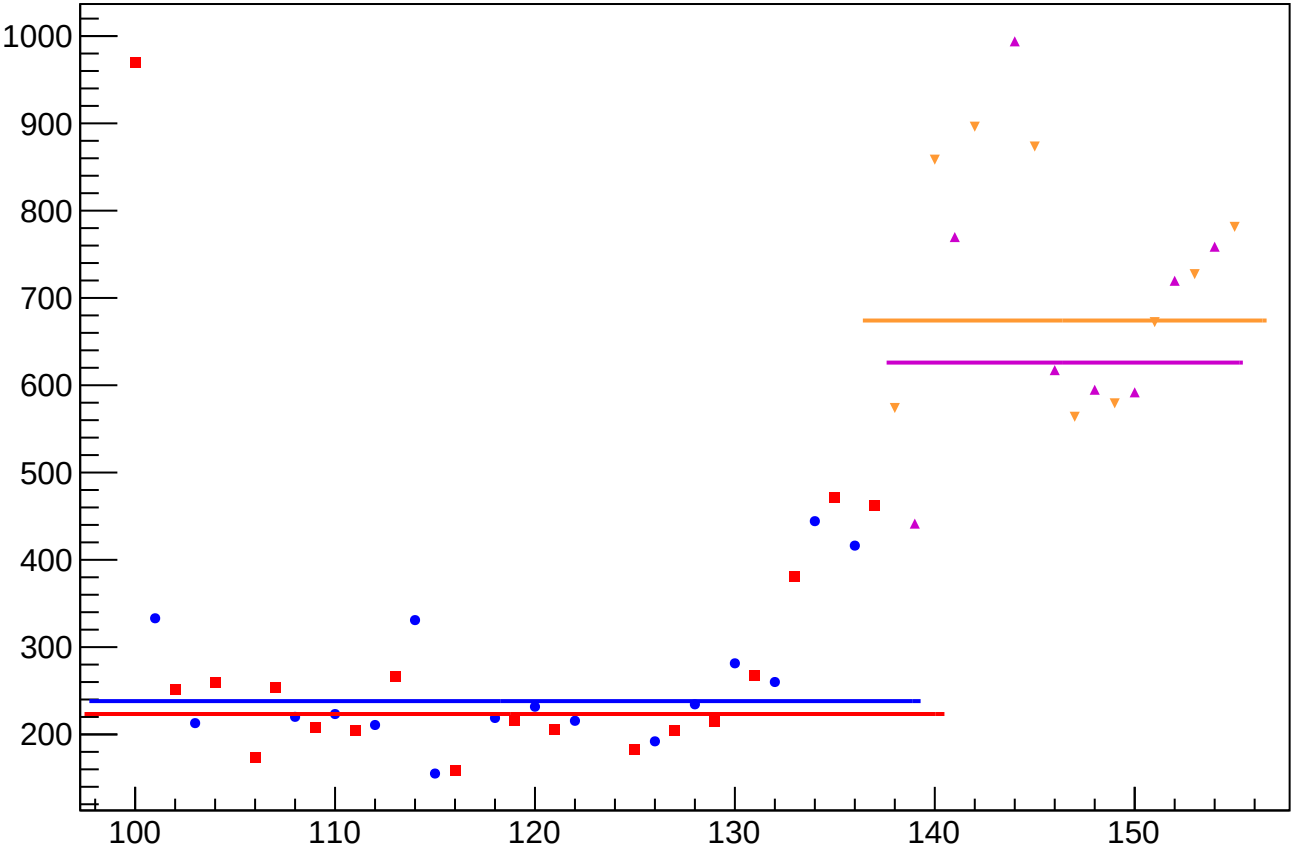
Left In: 0.285+/-0.245 χ^2/NDF:9.3/7

+ sign -0.019+/-0.088 χ^2/NDF: 26.7/24

All: -0.035+/-0.061 χ^2/NDF: 63.4/50

- sign -0.049+/-0.085 χ^2/NDF: 36.7/25

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 674.142+/-0.184 χ^2/NDF:401344.0/8

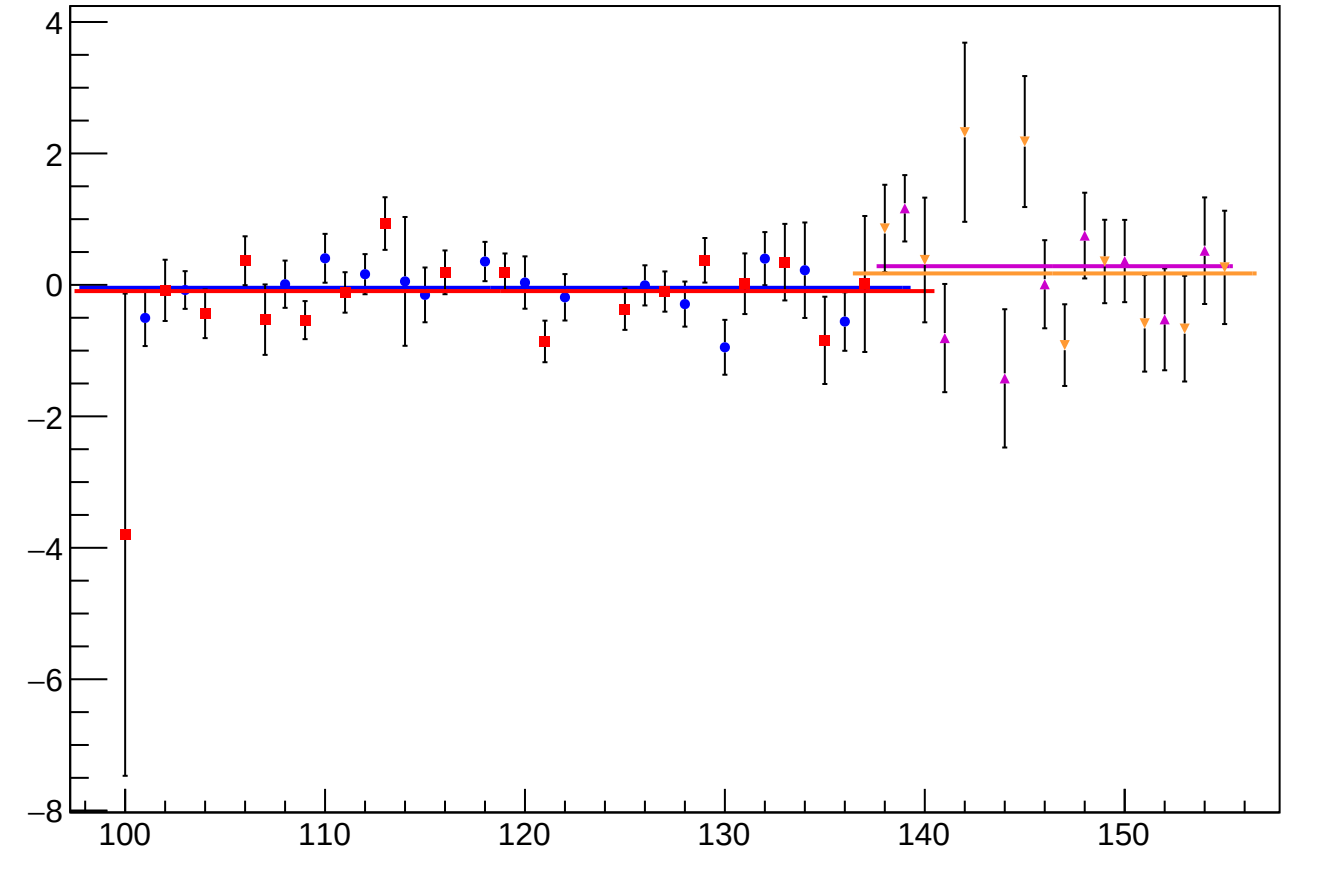
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 625.948+/-0.173 χ^2/NDF:666267.9/7

+ sign 288.201+/-0.062 χ^2/NDF: 6167238.2/24

All: 279.319+/-0.043 χ^2/NDF: 12480458.4/5

- sign 271.172+/-0.060 χ^2/NDF: 6274381.0/25



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.174+/-0.261 χ^2/NDF:13.0/8

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

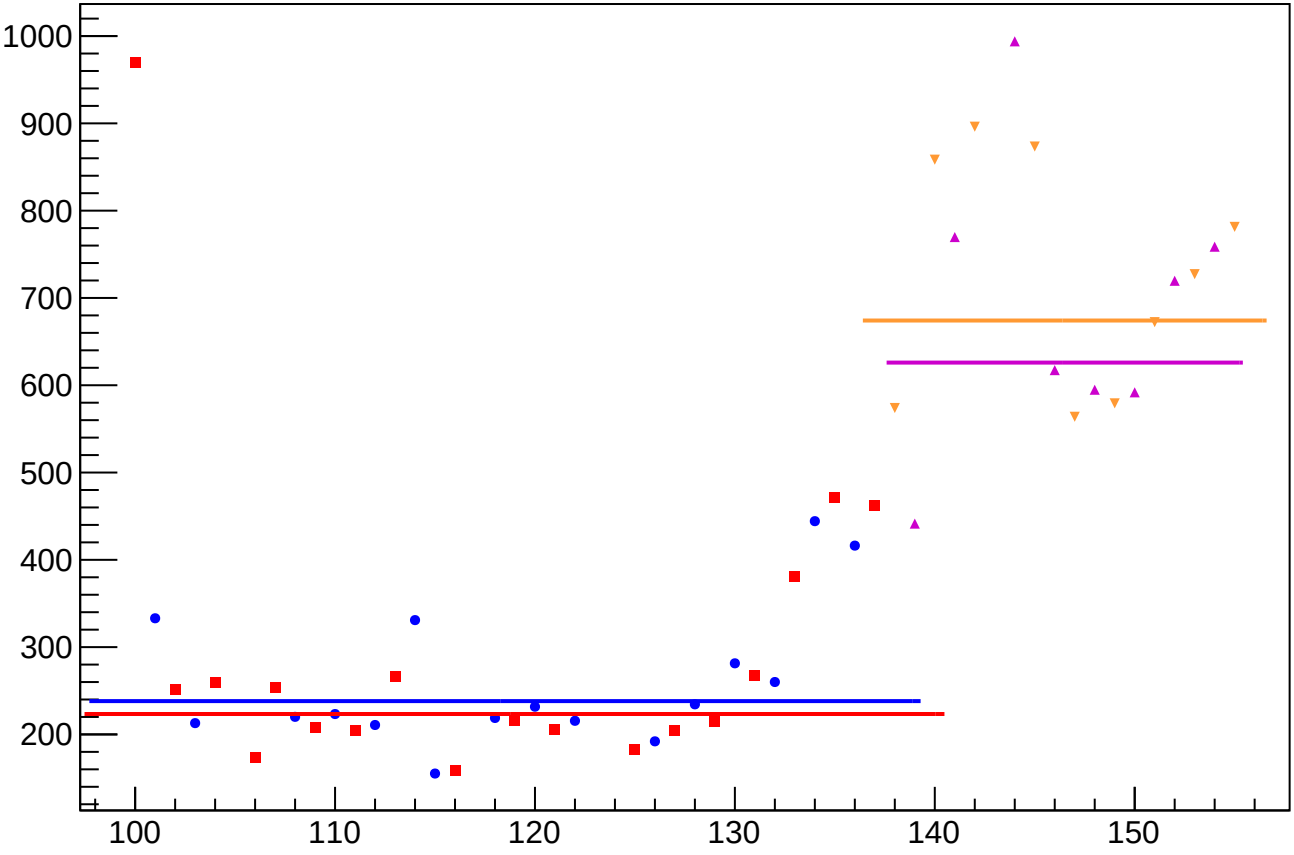
Left In: 0.285+/-0.245 χ^2/NDF:9.3/7

\+ sign -0.019+/-0.088 χ^2/NDF: 26.7/24

All: -0.035+/-0.061 χ^2/NDF: 63.4/50

\- sign -0.049+/-0.085 χ^2/NDF: 36.7/25

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 674.142+/-0.184 χ^2/NDF:401344.0/8

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

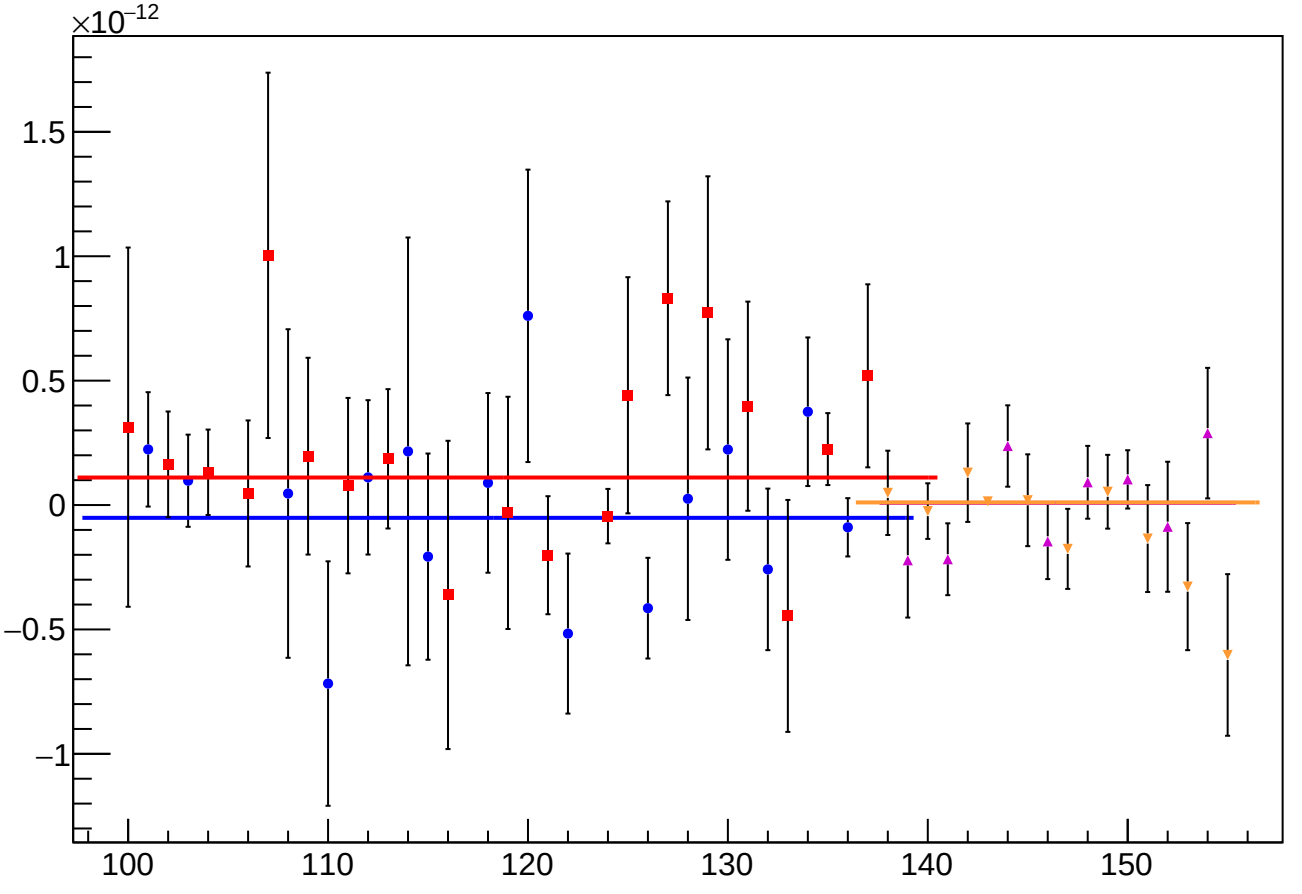
Left In: 625.948+/-0.173 χ^2/NDF:666267.9/7

+ sign 288.201+/-0.062 χ^2/NDF: 6167238.2/24

All: 279.319+/-0.043 χ^2/NDF: 12480458.4/5

- sign 271.172+/-0.060 χ^2/NDF: 6274381.0/25

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:7.8/9

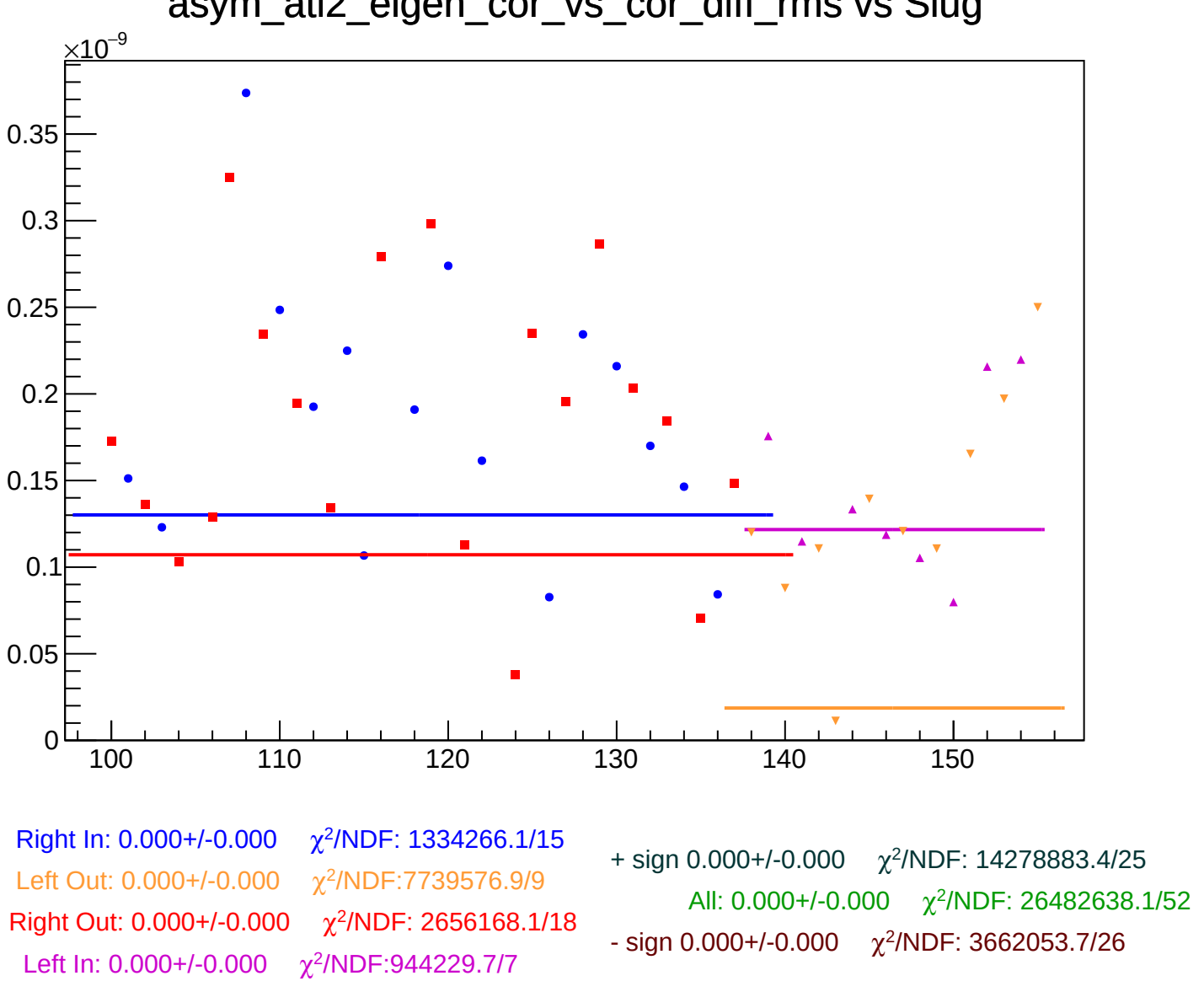
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/7

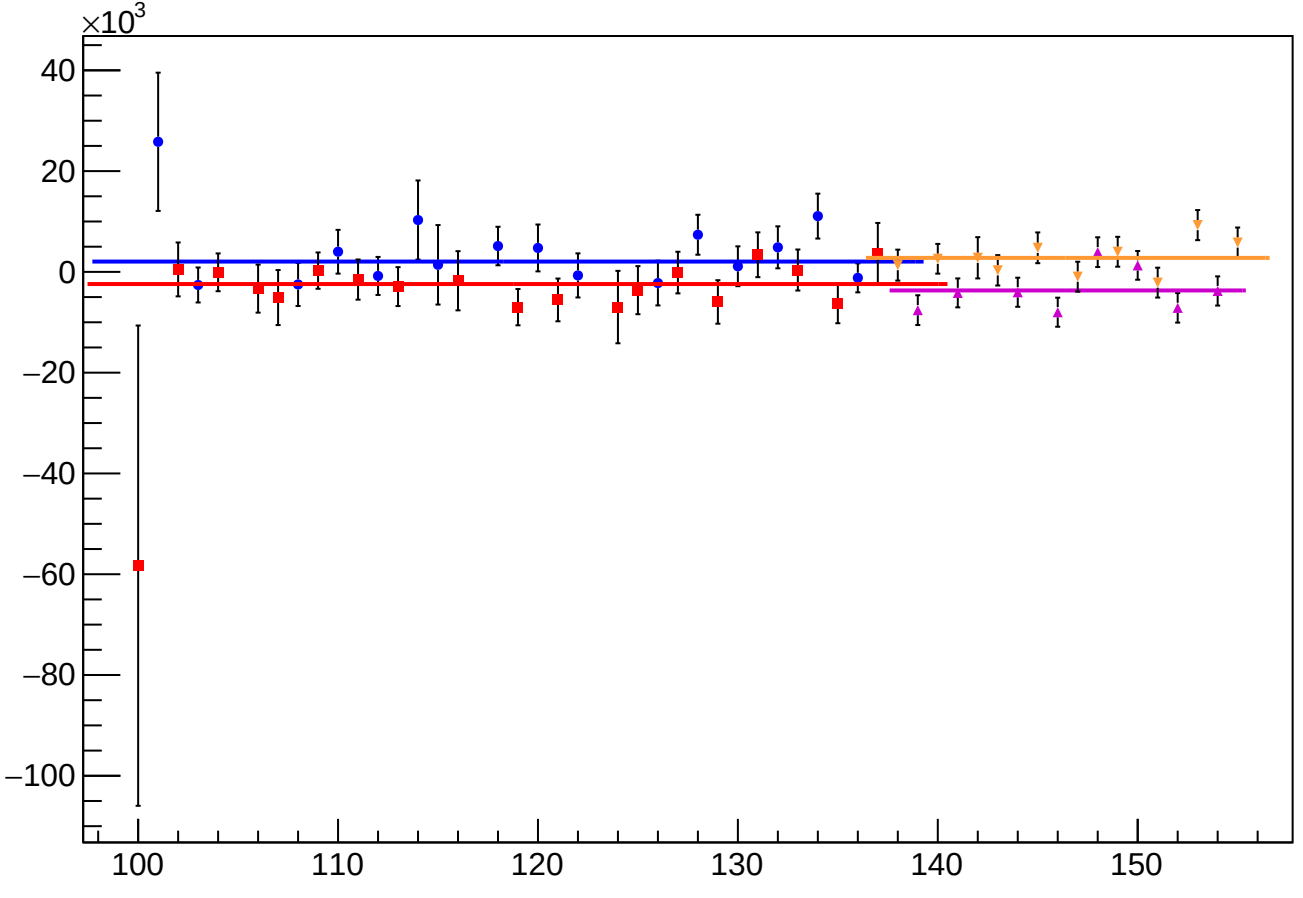
+ sign 0.000+/-0.000 χ^2/NDF: 23.4/25

All: 0.000+/-0.000 χ^2/NDF: 50.3/52

- sign 0.000+/-0.000 χ^2/NDF: 25.6/26


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
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:7739576.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:944229.7/7
+ sign 0.000+/-0.000 χ²/NDF: 14278883.4/25
All: 0.000+/-0.000 χ²/NDF: 26482638.1/52
- sign 0.000+/-0.000 χ²/NDF: 3662053.7/26

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2779.099+/-969.908 χ^2/NDF:11.6/9

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

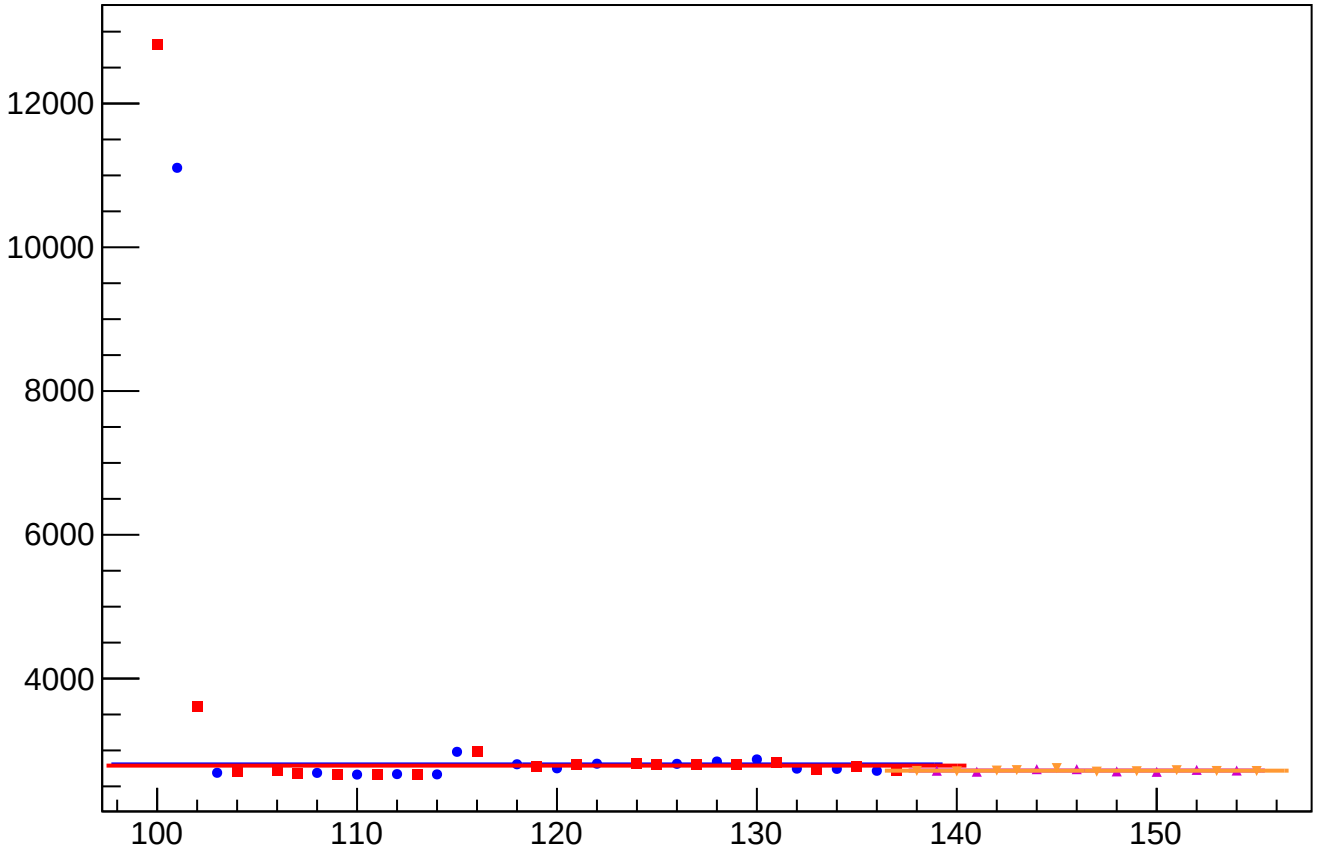
Left In: -3683.482+/-1026.632 χ^2/NDF:15.1/7

+ sign 2450.143+/-718.735 χ^2/NDF: 29.6/25

All: -262.307+/-511.828 χ^2/NDF: 85.1/52

- sign -3053.120+/-729.043 χ^2/NDF: 26.6/26

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2718.498+/-0.686 χ^2/NDF:384.8/9

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

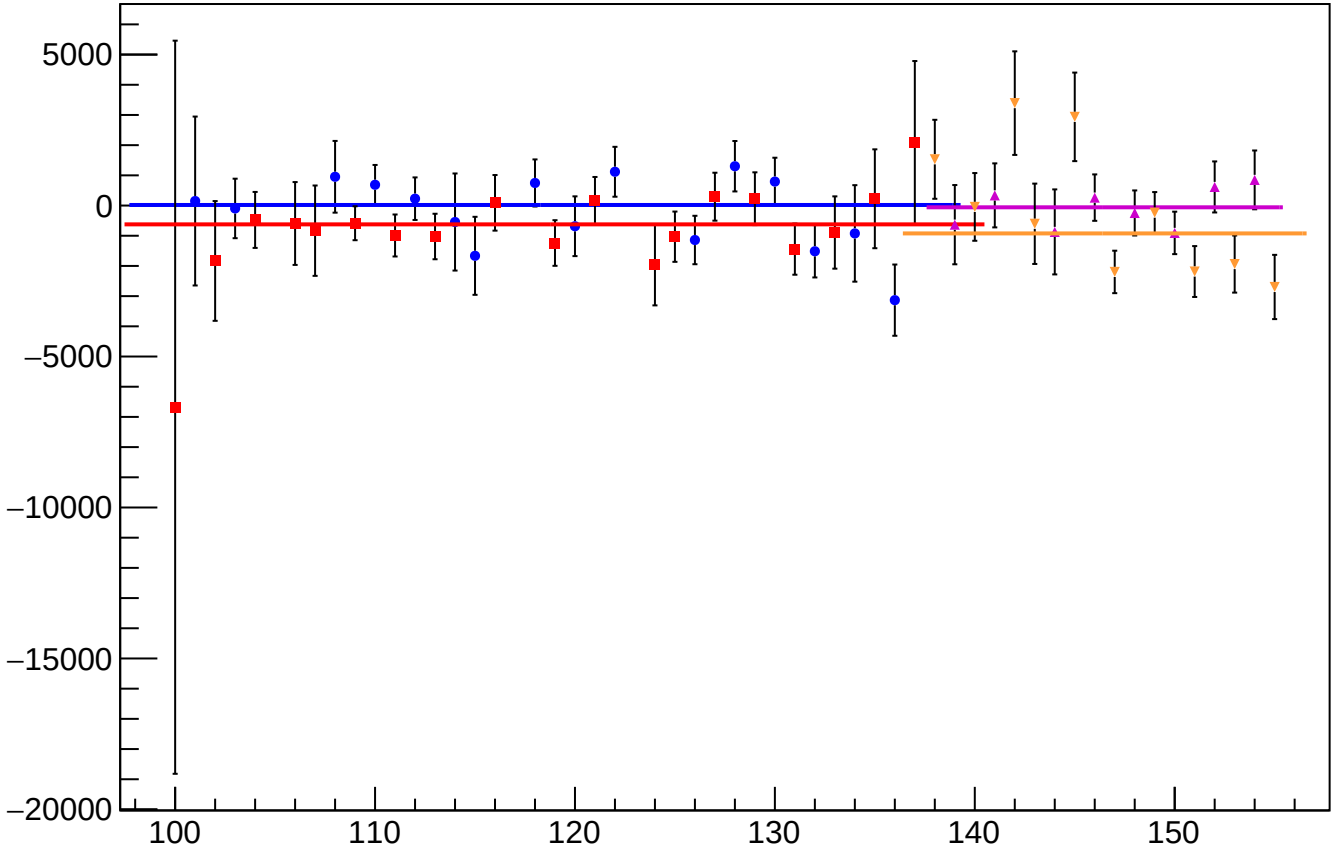
Left In: 2720.342+/-0.726 χ^2/NDF:373.3/7

+ sign 2757.700+/-0.508 χ^2/NDF: 753871.9/25

All: 2756.018+/-0.362 χ^2/NDF: 905676.8/52

- sign 2754.288+/-0.516 χ^2/NDF: 151782.6/26

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -922.971+/-310.998 χ^2/NDF:27.9/9

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

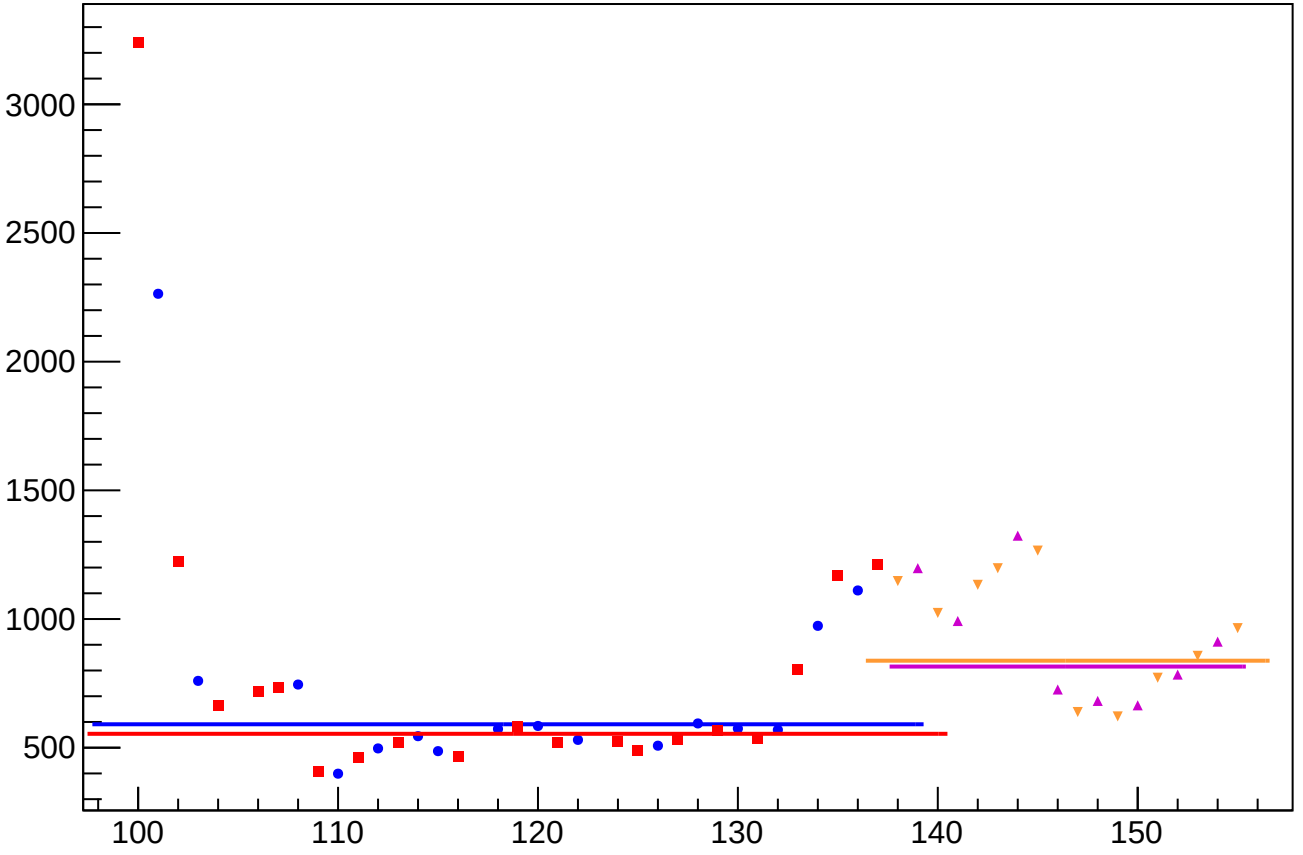
Left In: -58.287+/-317.193 χ^2/NDF:3.9/7

\+ sign -320.557+/-186.719 χ^2/NDF: 56.6/25

All: -385.170+/-129.029 χ^2/NDF: 72.1/52

\- sign -444.225+/-178.506 χ^2/NDF: 15.3/26

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 838.053+/-0.220 χ^2/NDF:946393.2/9

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

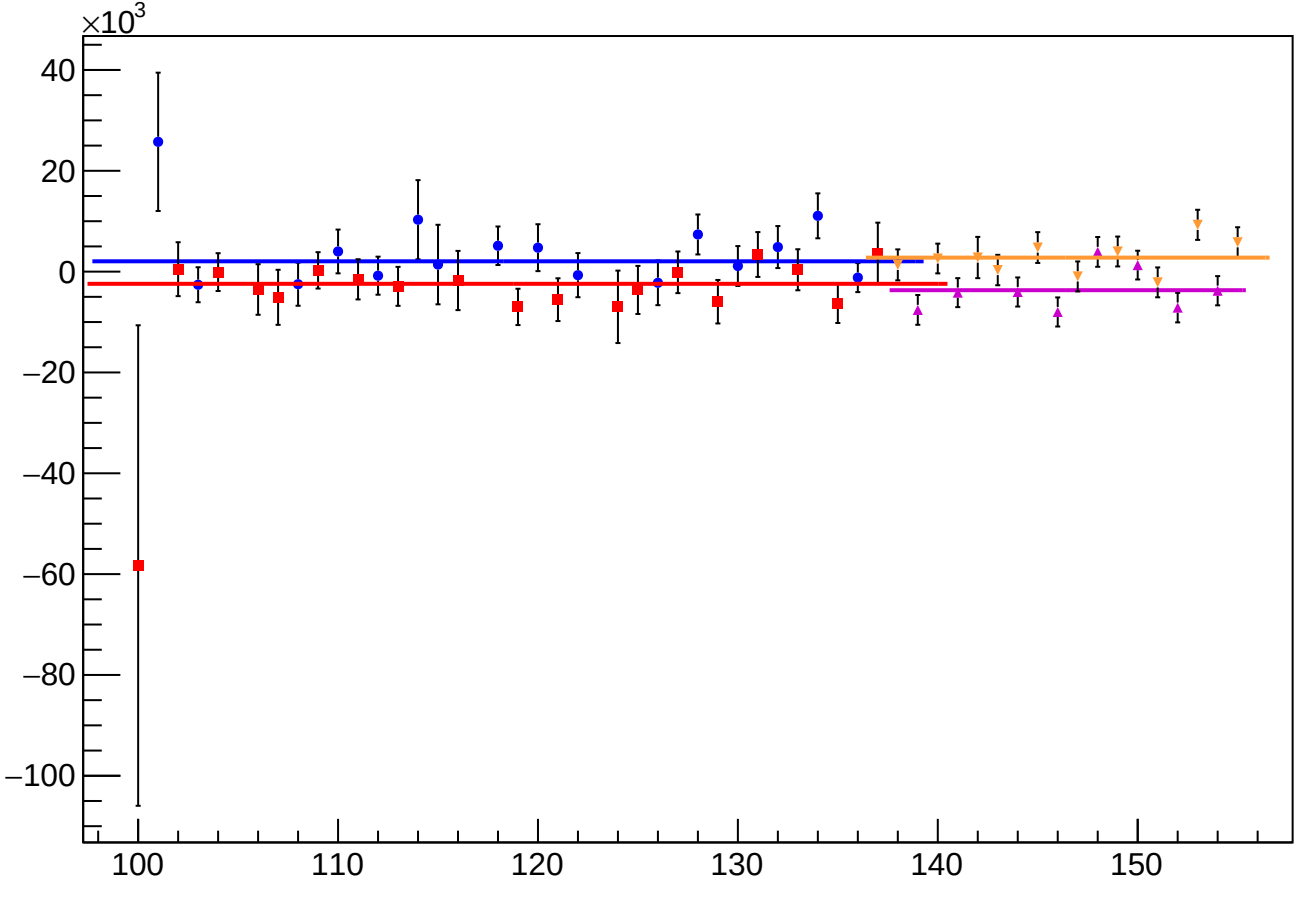
Left In: 815.276+/-0.224 χ^2/NDF:691681.3/7

+ sign 680.080+/-0.132 χ^2/NDF: 3320948.5/25

All: 657.433+/-0.091 χ^2/NDF: 6113213.5/52

- sign 636.735+/-0.126 χ^2/NDF: 2735955.4/26

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2779.122+/-969.908 χ^2/NDF:11.6/9

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

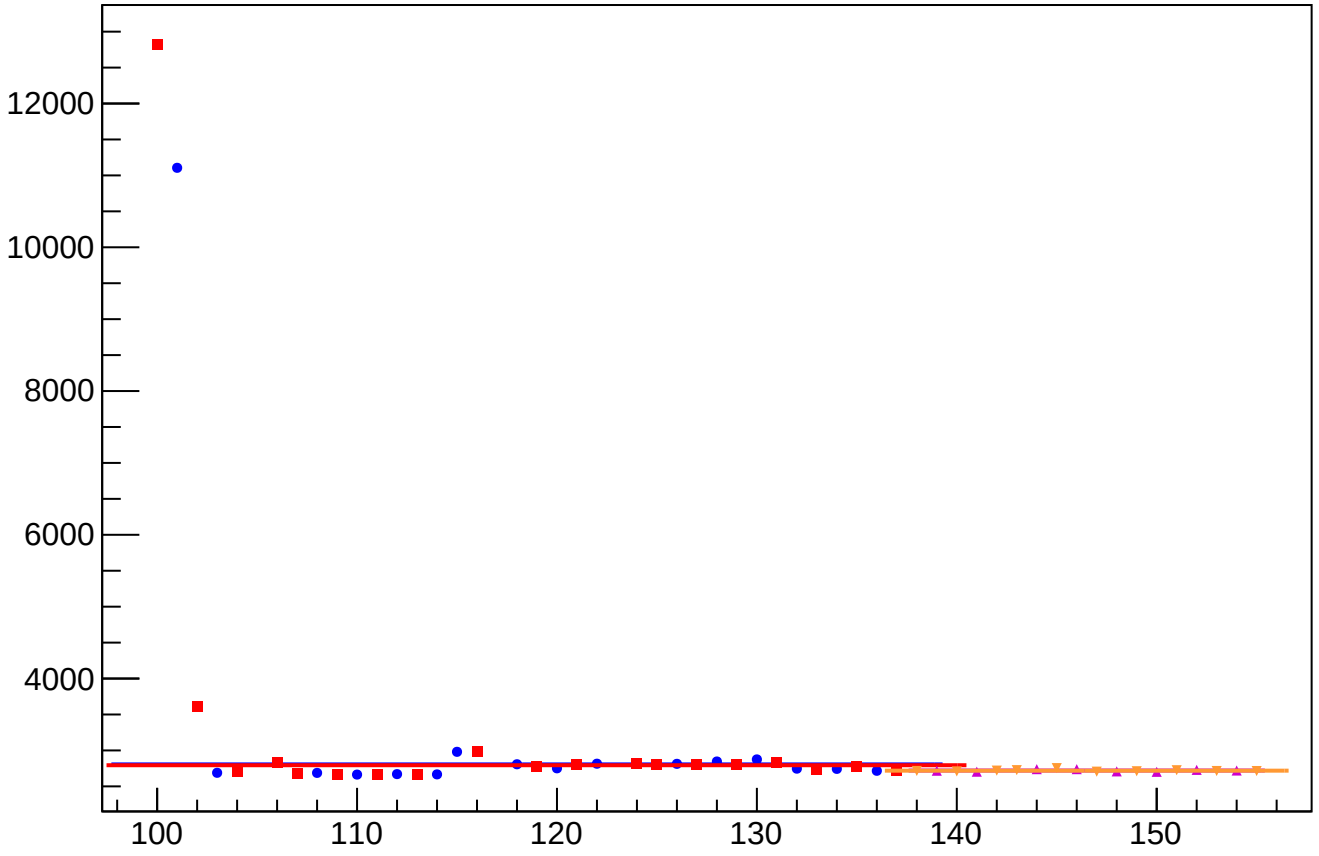
Left In: -3683.664+/-1026.632 χ^2/NDF:15.1/7

+ sign 2449.793+/-718.735 χ^2/NDF: 29.6/25

All: -261.590+/-512.115 χ^2/NDF: 85.1/52

- sign -3057.668+/-729.874 χ^2/NDF: 26.6/26

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2718.498+/-0.686 χ^2/NDF:384.8/9

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

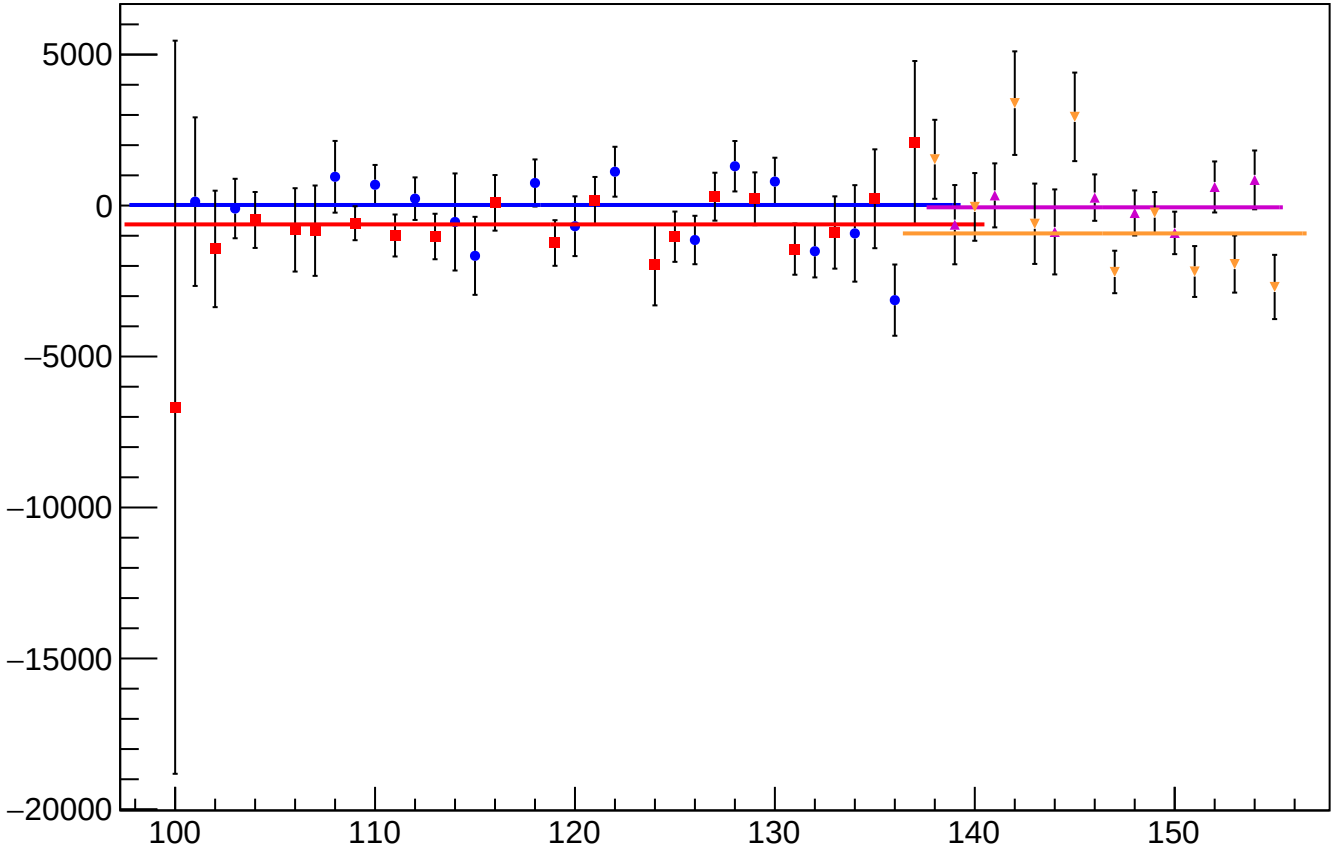
Left In: 2720.342+/-0.726 χ^2/NDF:373.3/7

+ sign 2757.700+/-0.508 χ^2/NDF: 753871.0/25

All: 2757.281+/-0.362 χ^2/NDF: 906103.4/52

- sign 2756.848+/-0.516 χ^2/NDF: 152231.0/26

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -922.932+/-310.996 χ^2/NDF:27.9/9

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

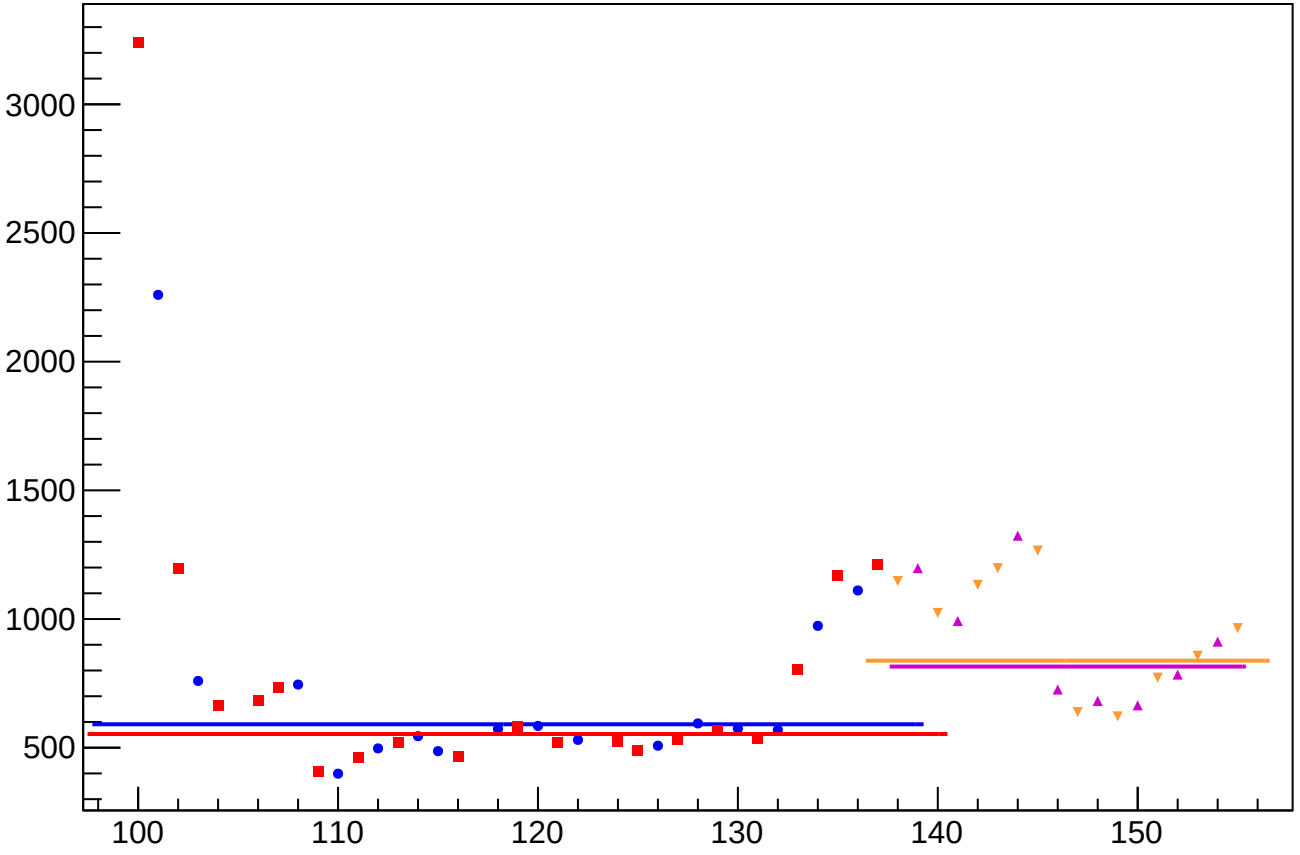
Left In: -58.531+/-317.193 χ^2/NDF:3.9/7

\+ sign -320.550+/-186.712 χ^2/NDF: 56.6/25

All: -385.638+/-129.017 χ^2/NDF: 71.9/52

\- sign -445.113+/-178.480 χ^2/NDF: 15.1/26

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 838.046+/-0.220 χ^2/NDF:946402.3/9

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

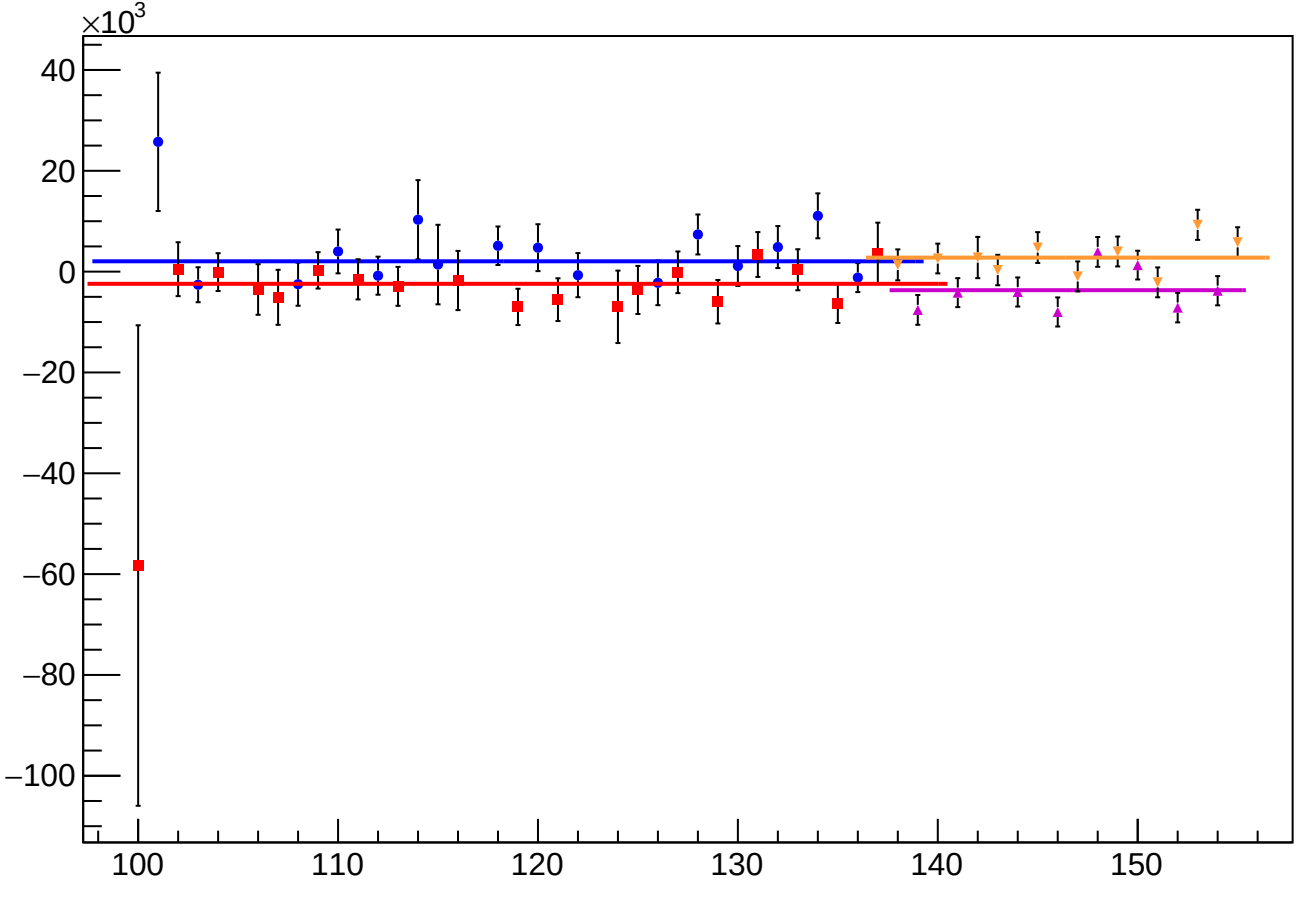
Left In: 815.274+/-0.224 χ^2/NDF:691664.0/7

+ sign 680.071+/-0.132 χ^2/NDF: 3319930.8/25

All: 657.146+/-0.091 χ^2/NDF: 6103745.5/52

- sign 636.199+/-0.126 χ^2/NDF: 2726115.0/26

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2779.122+/-969.908 χ^2/NDF:11.6/9

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

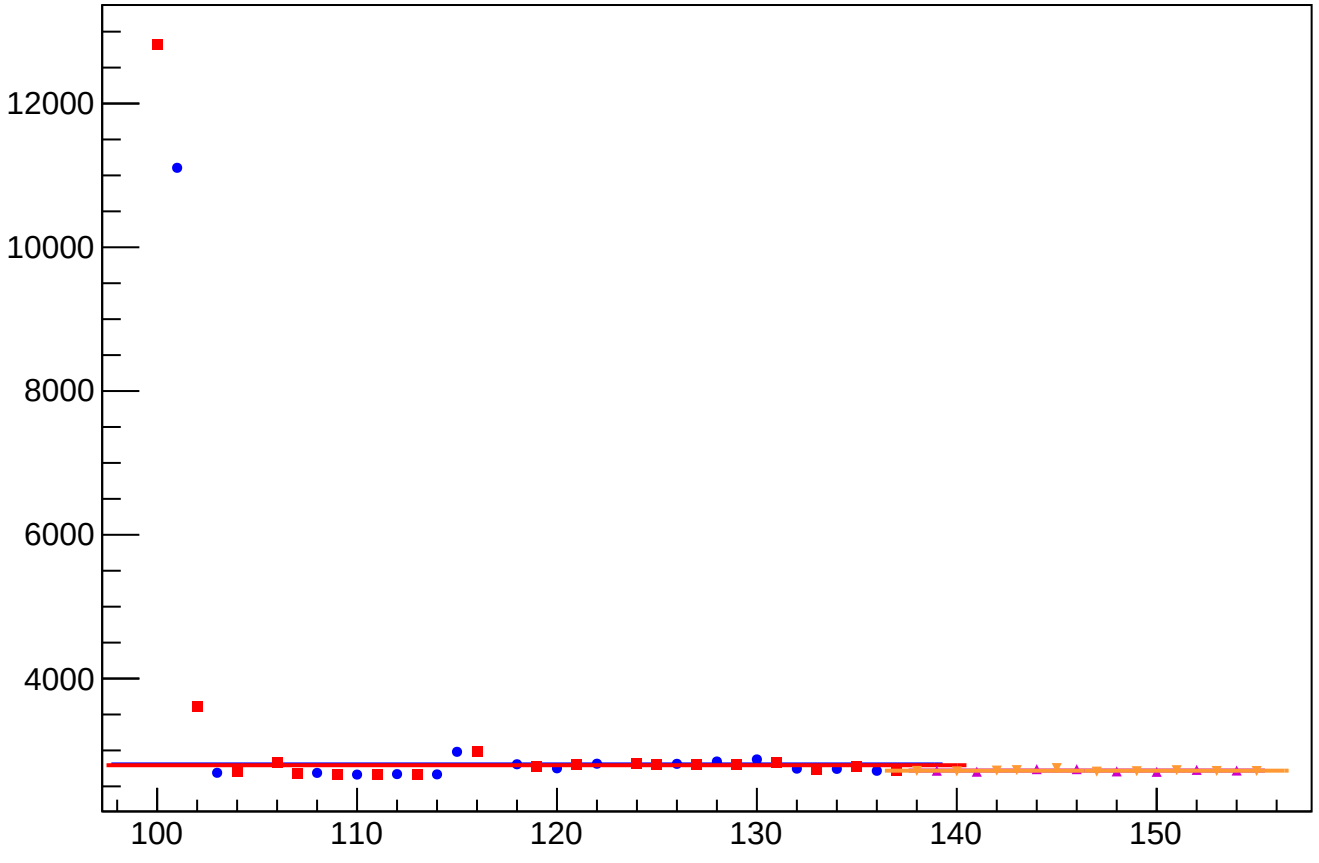
Left In: -3683.664+/-1026.632 χ^2/NDF:15.1/7

+ sign 2449.793+/-718.735 χ^2/NDF: 29.6/25

All: -261.590+/-512.115 χ^2/NDF: 85.1/52

- sign -3057.668+/-729.874 χ^2/NDF: 26.6/26

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2718.498+/-0.686 χ^2/NDF:384.8/9

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

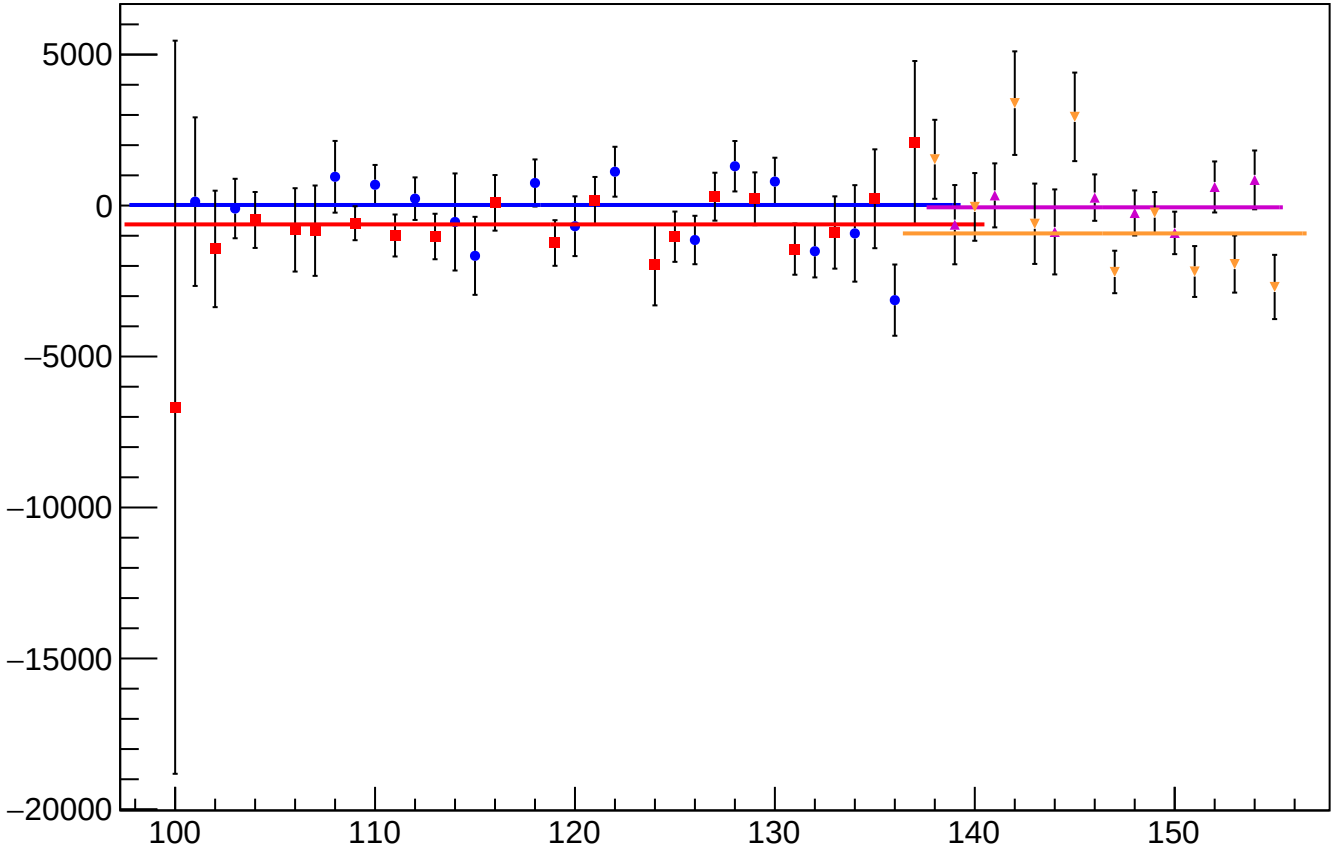
Left In: 2720.342+/-0.726 χ^2/NDF:373.3/7

+ sign 2757.700+/-0.508 χ^2/NDF: 753871.0/25

All: 2757.281+/-0.362 χ^2/NDF: 906103.4/52

- sign 2756.848+/-0.516 χ^2/NDF: 152231.0/26

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -922.932+/-310.996 χ^2/NDF:27.9/9

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

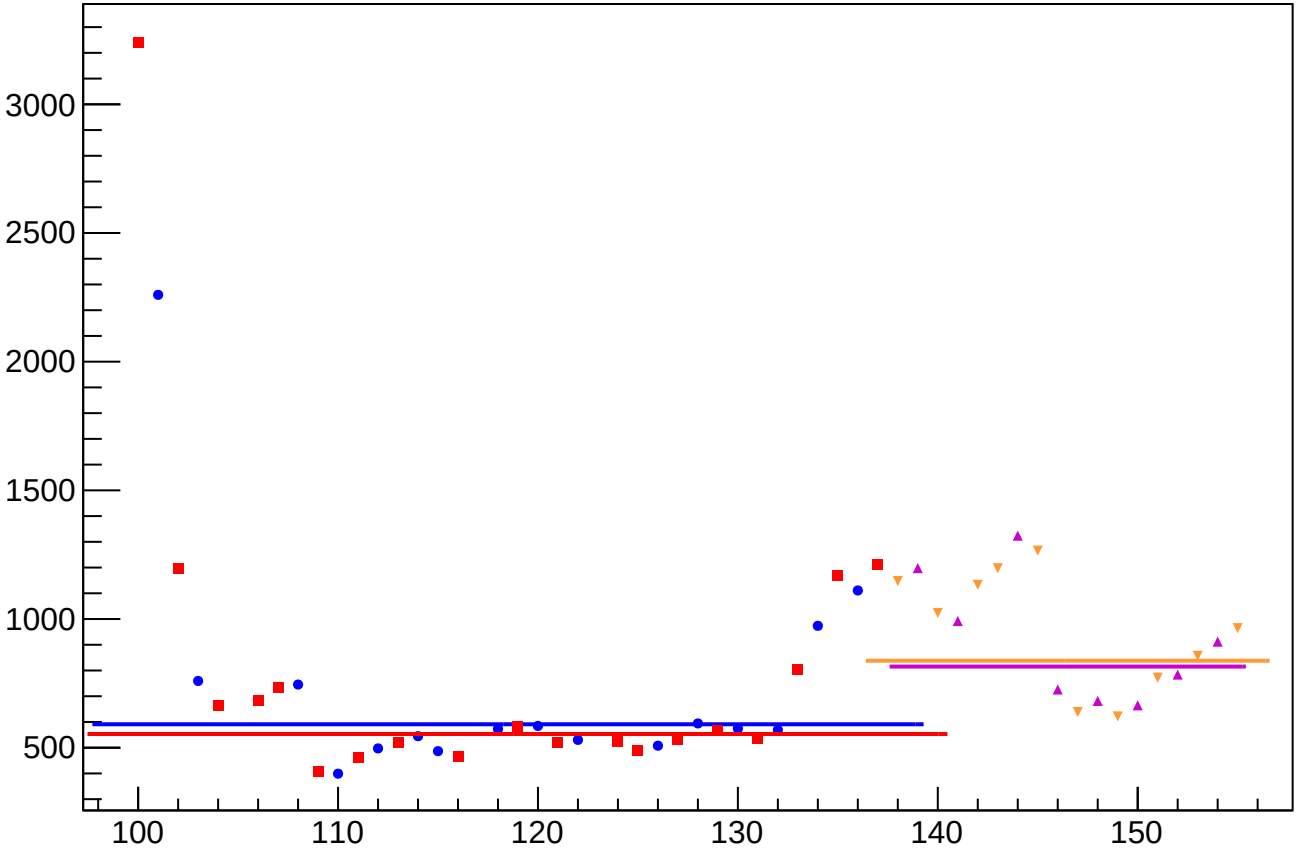
Left In: -58.531+/-317.193 χ^2/NDF:3.9/7

\+ sign -320.550+/-186.712 χ^2/NDF: 56.6/25

All: -385.638+/-129.017 χ^2/NDF: 71.9/52

\- sign -445.113+/-178.480 χ^2/NDF: 15.1/26

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 838.046+/-0.220 χ^2/NDF:946402.3/9

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

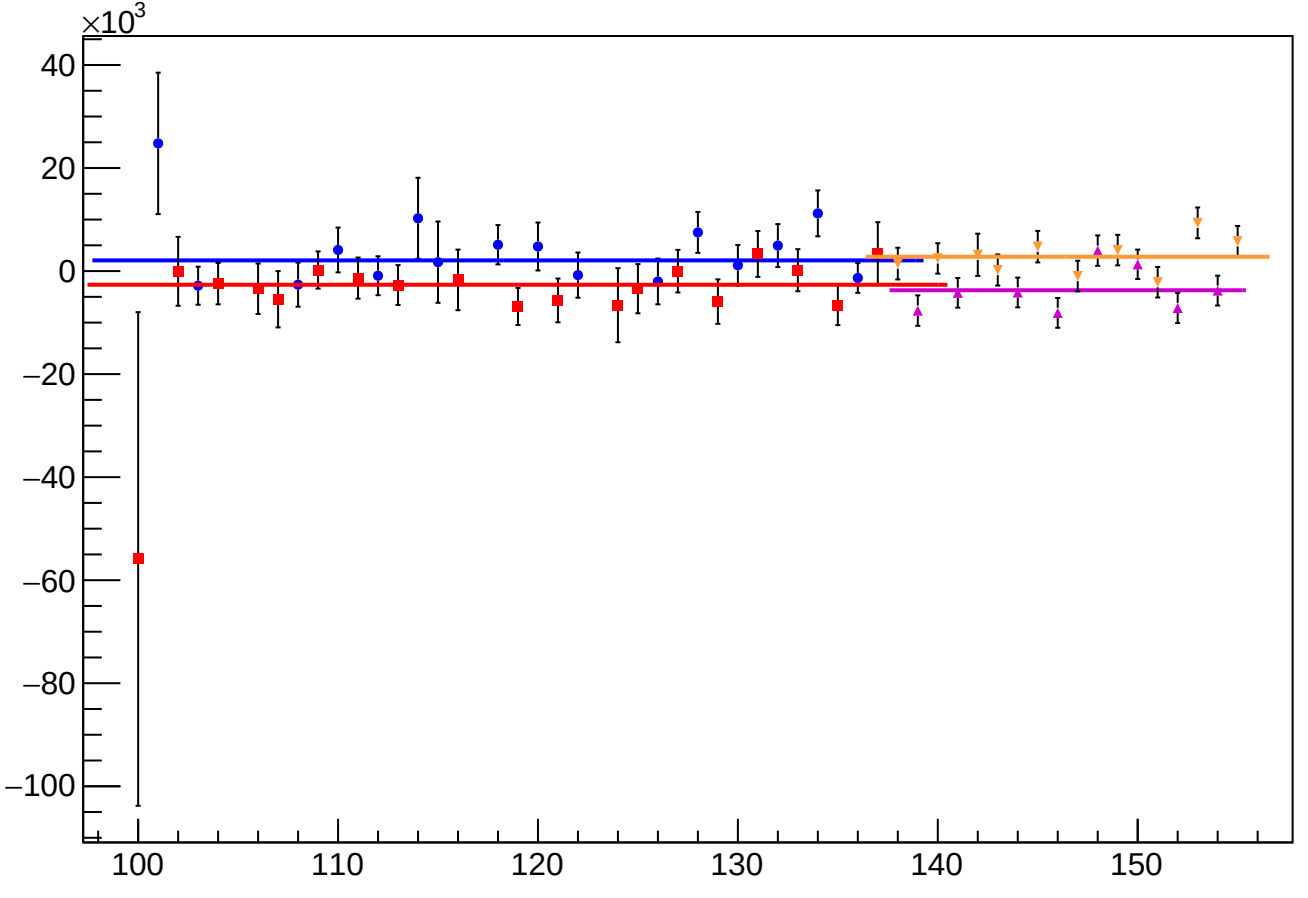
Left In: 815.274+/-0.224 χ^2/NDF:691664.0/7

+ sign 680.071+/-0.132 χ^2/NDF: 3319930.8/25

All: 657.146+/-0.091 χ^2/NDF: 6103745.5/52

- sign 636.199+/-0.126 χ^2/NDF: 2726115.0/26

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2784.246+/-970.579 χ^2/NDF:11.8/9

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

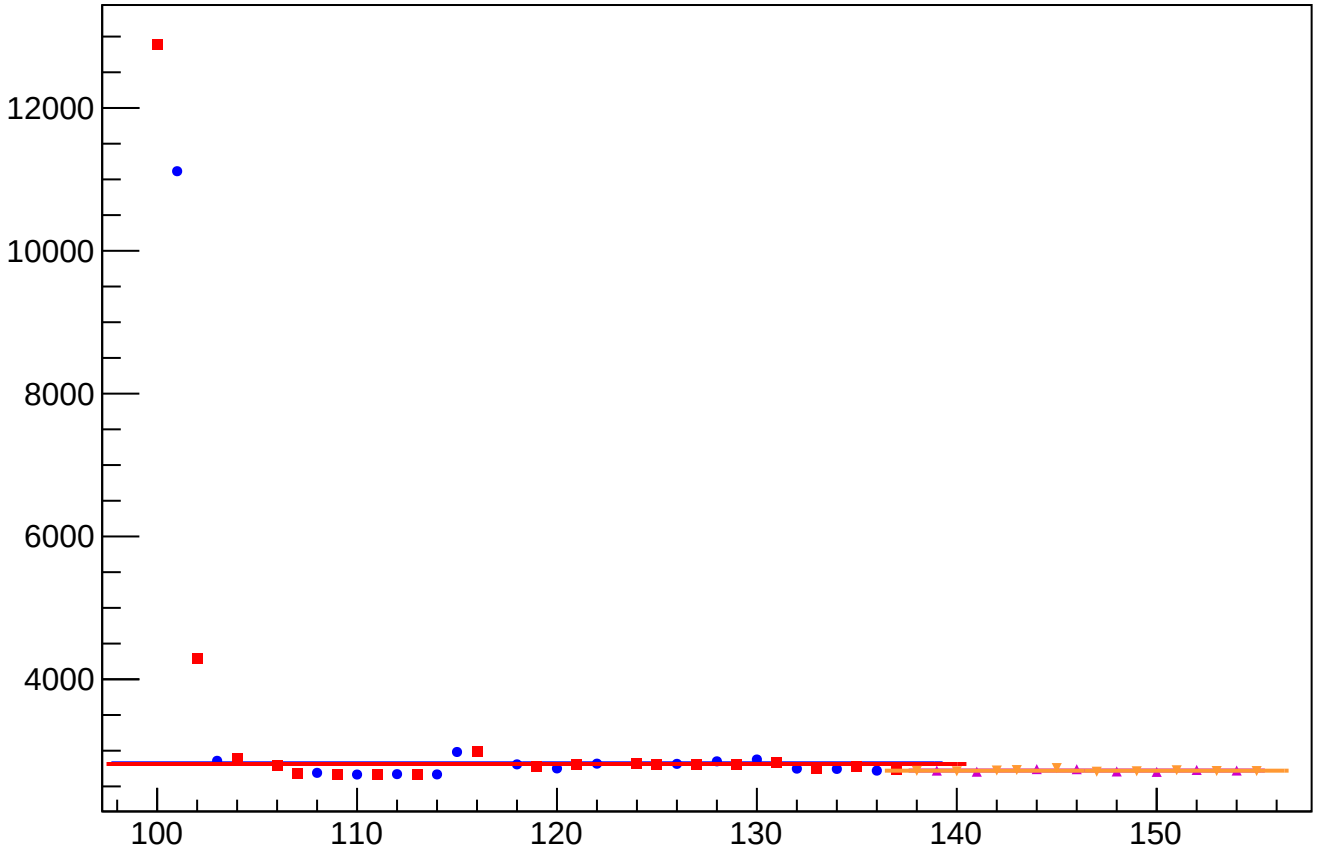
Left In: -3721.386+/-1027.343 χ^2/NDF:15.4/7

+ sign 2466.340+/-721.054 χ^2/NDF: 29.9/25

All: -315.790+/-514.473 χ^2/NDF: 86.1/52

- sign -3200.881+/-734.276 χ^2/NDF: 25.9/26

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2720.375+/-0.686 χ^2/NDF:404.1/9

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

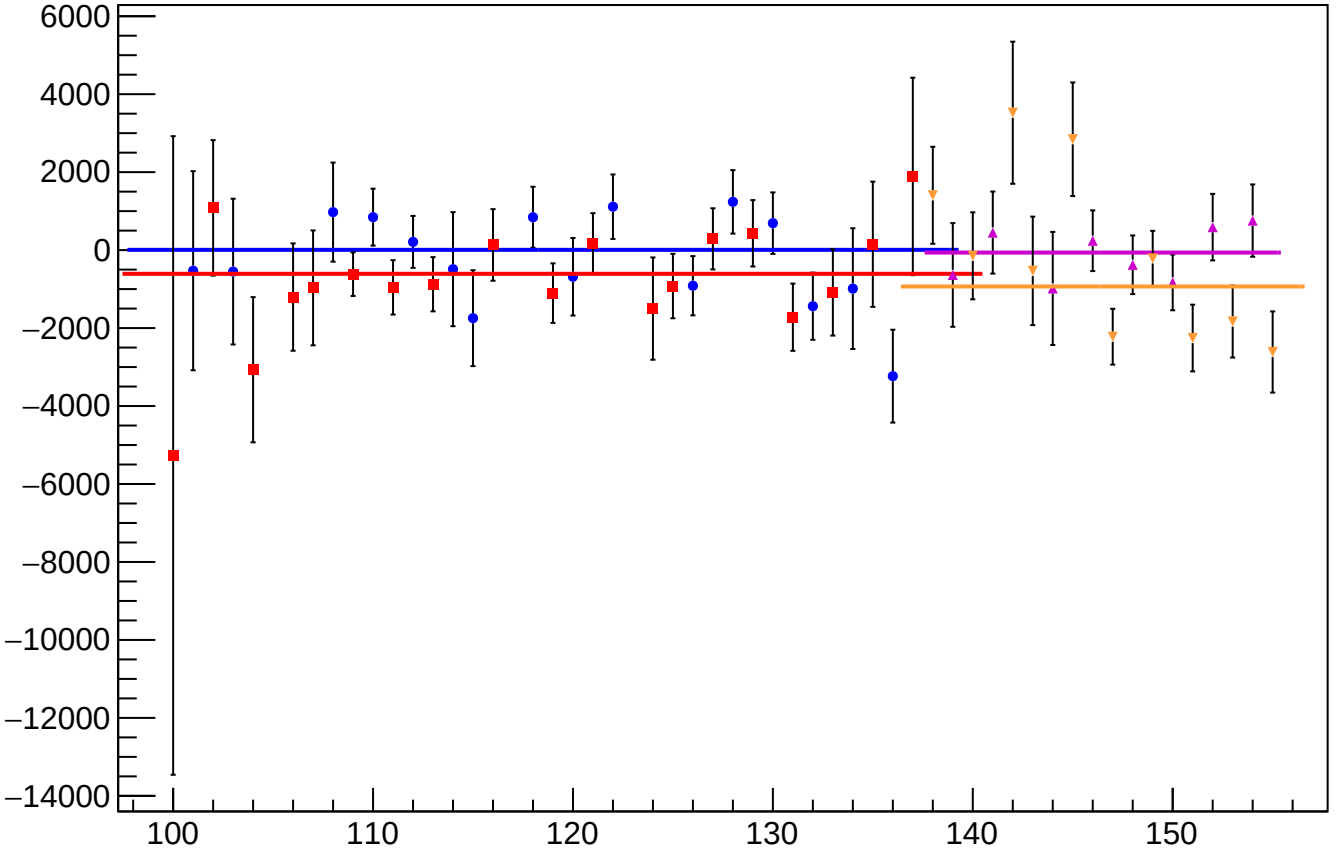
Left In: 2722.210+/-0.726 χ^2/NDF:387.7/7

+ sign 2766.560+/-0.510 χ^2/NDF: 754427.1/25

All: 2766.787+/-0.364 χ^2/NDF: 963106.5/52

- sign 2767.023+/-0.519 χ^2/NDF: 208679.0/26

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -933.303+/-313.763 χ^2/NDF:27.0/9

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

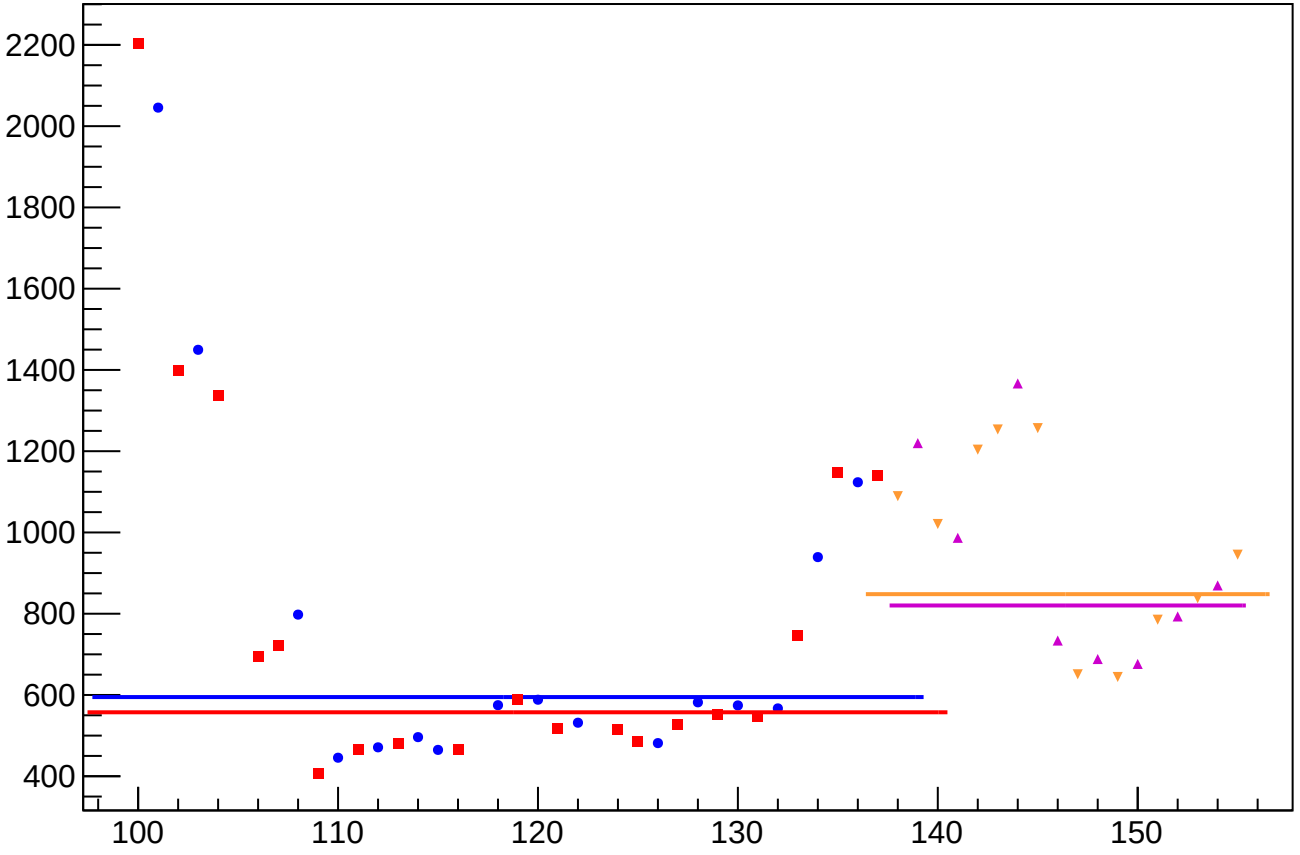
Left In: -63.103+/-318.587 χ^2/NDF:3.7/7

\+ sign -335.398+/-189.344 χ^2/NDF: 55.5/25

All: -387.868+/-130.229 χ^2/NDF: 73.5/52

\- sign -434.972+/-179.401 χ^2/NDF: 17.8/26

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 848.154+/-0.222 χ^2/NDF:873444.5/9

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

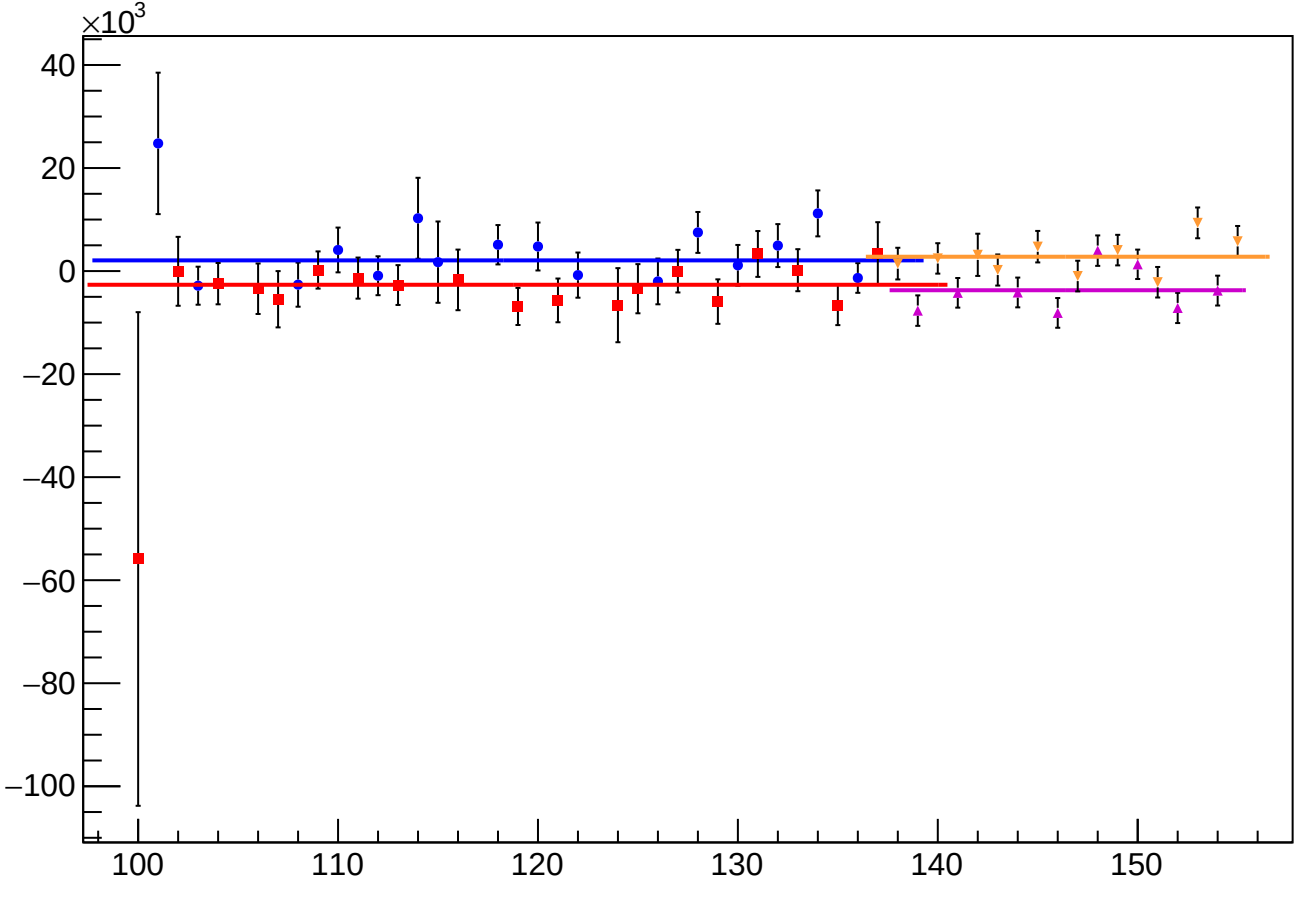
Left In: 820.266+/-0.225 χ^2/NDF:689262.6/7

+ sign 687.100+/-0.134 χ^2/NDF: 3554855.1/25

All: 662.678+/-0.092 χ^2/NDF: 6868421.2/52

- sign 640.753+/-0.127 χ^2/NDF: 3250421.1/26

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2784.246+/-970.579 χ^2/NDF:11.8/9

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

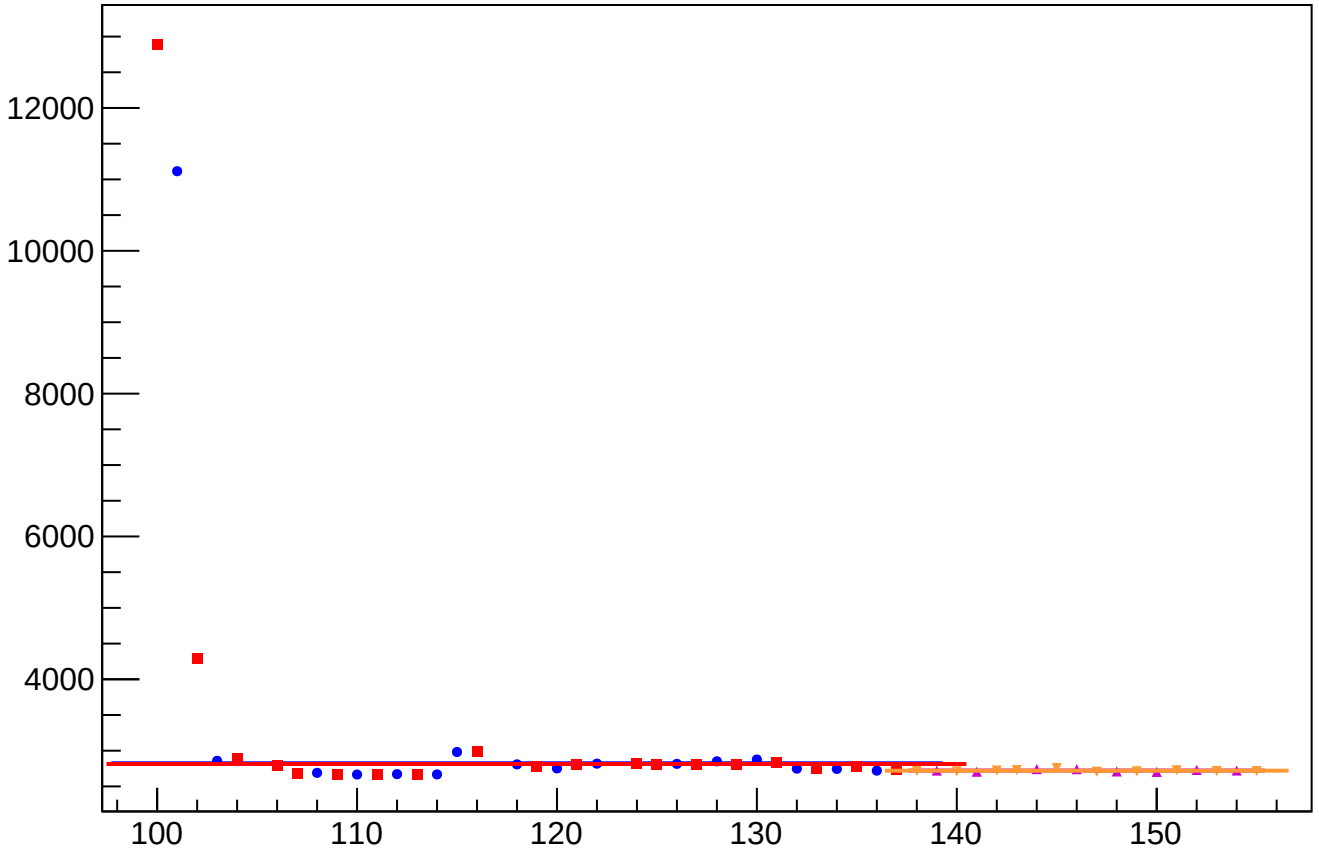
Left In: -3721.387+/-1027.343 χ^2/NDF:15.4/7

+ sign 2466.340+/-721.054 χ^2/NDF: 29.9/25

All: -315.790+/-514.473 χ^2/NDF: 86.1/52

- sign -3200.881+/-734.275 χ^2/NDF: 25.9/26

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2720.375+/-0.686 χ^2/NDF:404.1/9

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

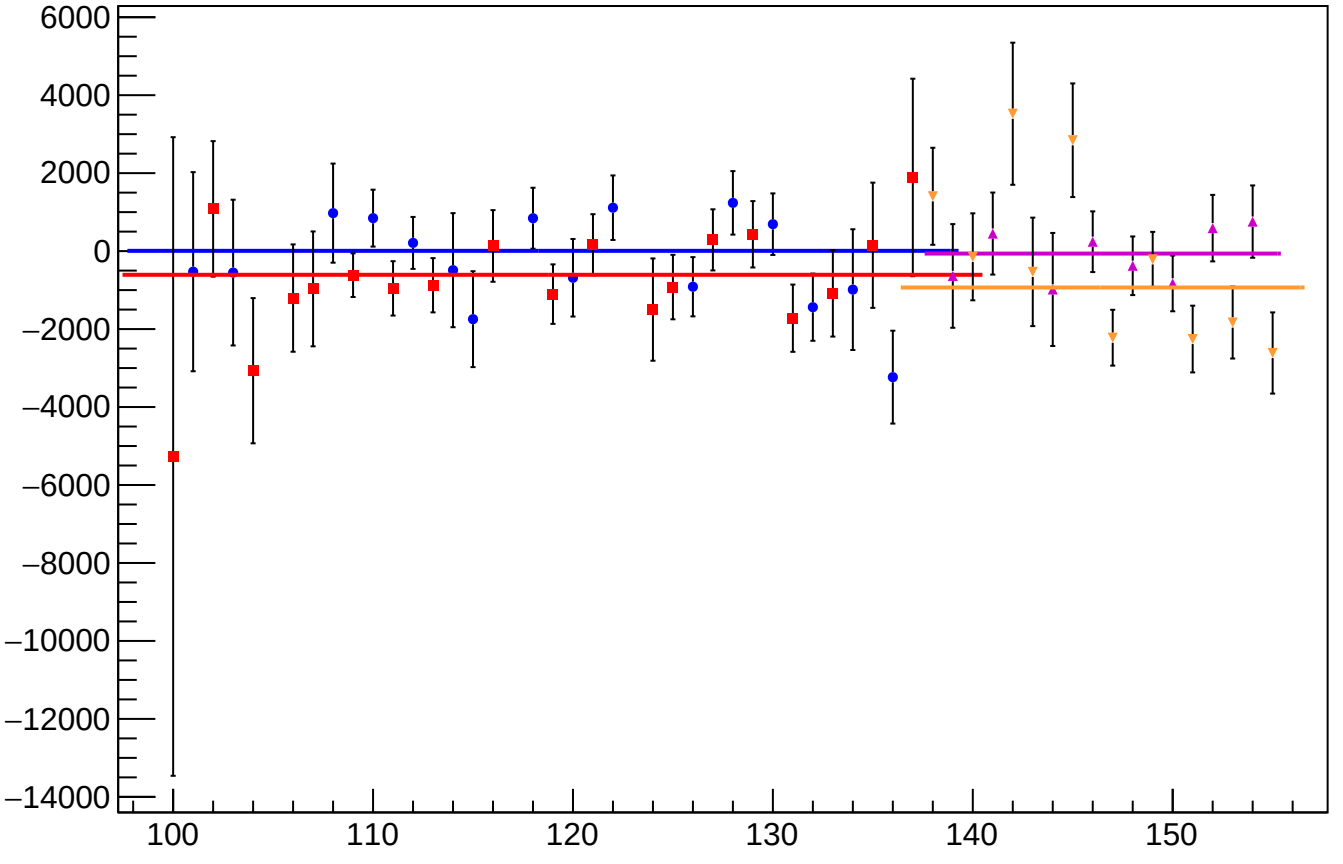
Left In: 2722.210+/-0.726 χ^2/NDF:387.7/7

+ sign 2766.560+/-0.510 χ^2/NDF: 754427.1/25

All: 2766.787+/-0.364 χ^2/NDF: 963106.3/52

- sign 2767.022+/-0.519 χ^2/NDF: 208678.7/26

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -933.304+/-313.763 χ^2/NDF:27.0/9

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

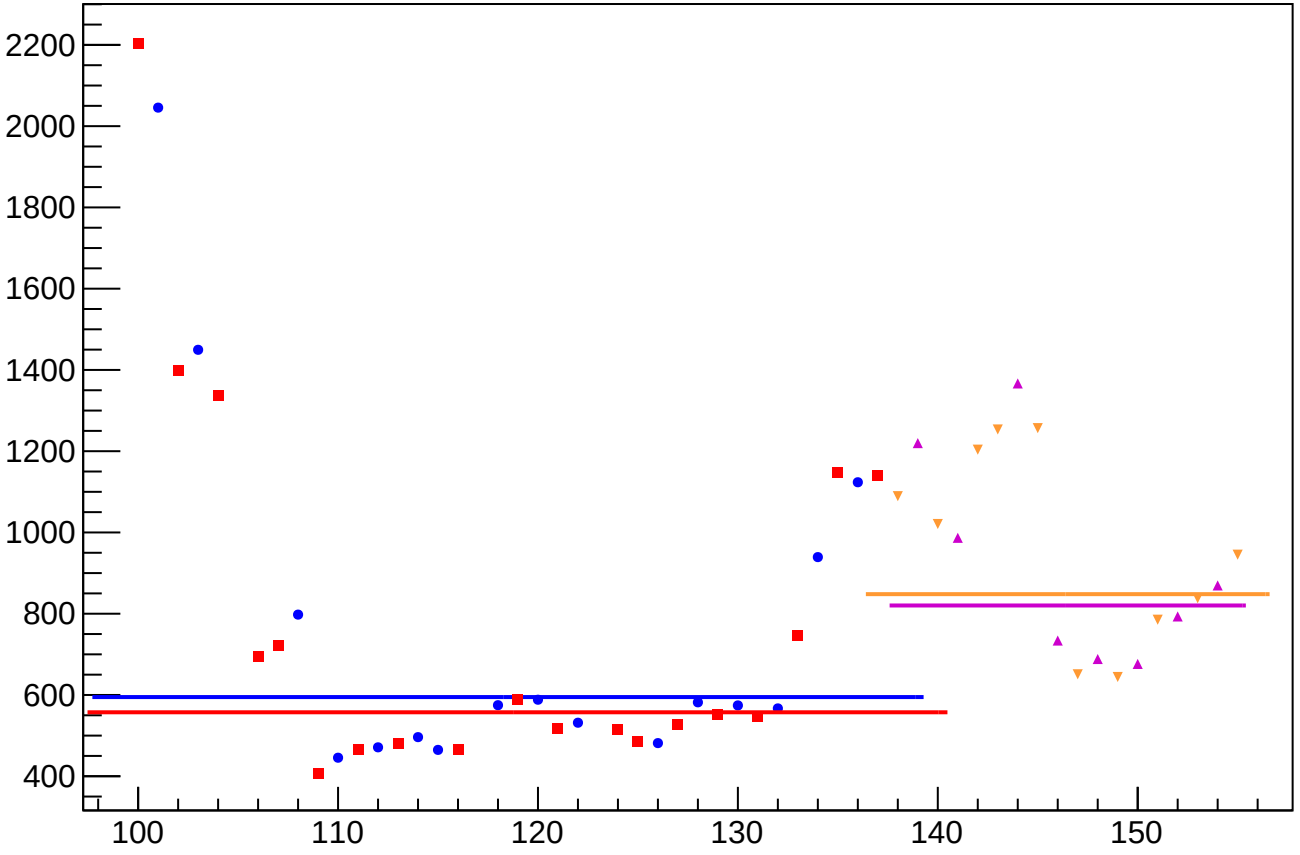
Left In: -63.104+/-318.587 χ^2/NDF:3.7/7

\+ sign -335.398+/-189.345 χ^2/NDF: 55.5/25

All: -387.868+/-130.229 χ^2/NDF: 73.5/52

\- sign -434.972+/-179.401 χ^2/NDF: 17.8/26

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 848.154+/-0.222 χ^2/NDF:873445.1/9

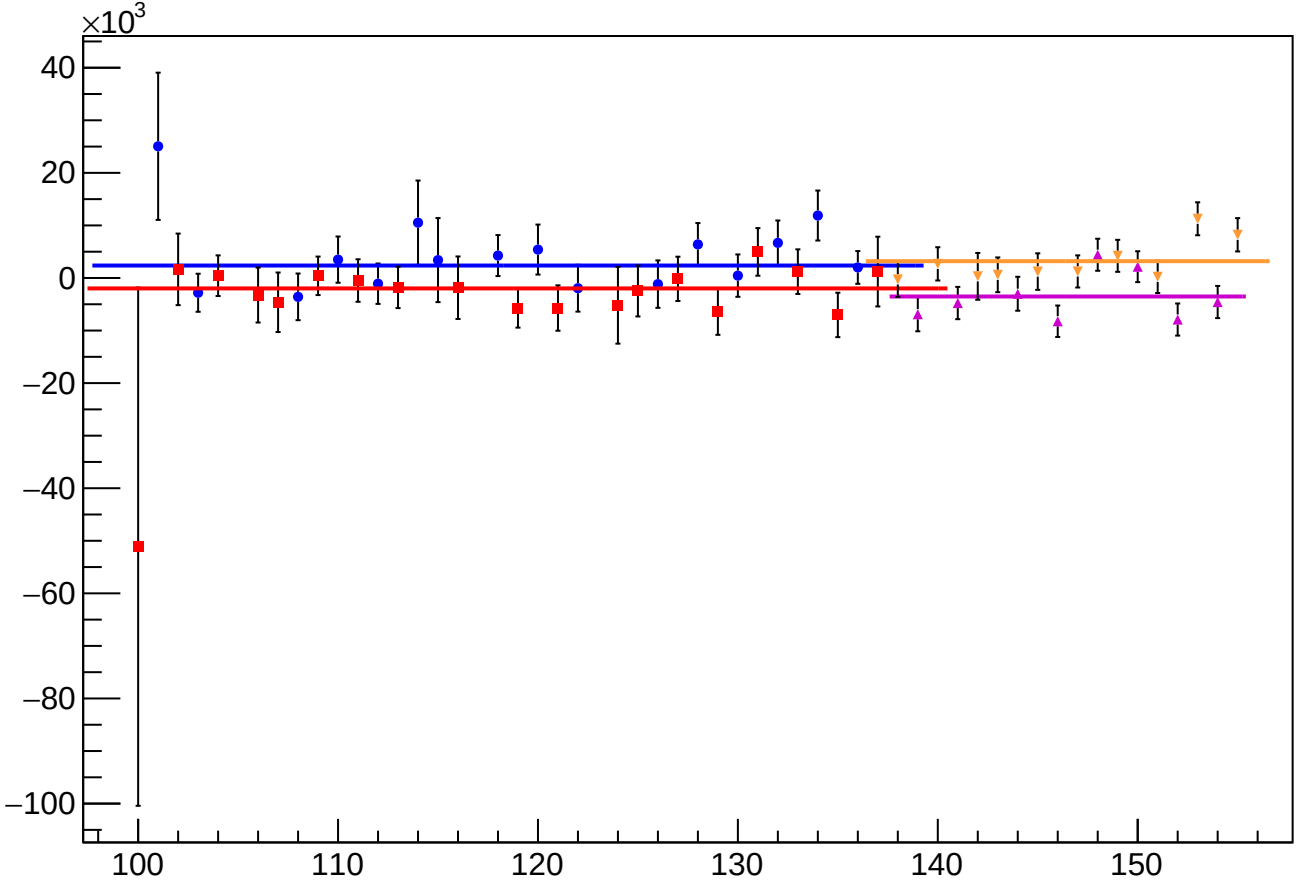
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 820.267+/-0.225 χ^2/NDF:689262.6/7

+ sign 687.100+/-0.134 χ^2/NDF: 3554848.7/25

All: 662.678+/-0.092 χ^2/NDF: 6868413.6/52

- sign 640.753+/-0.127 χ^2/NDF: 3250419.4/26



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3197.373+/-1034.045 χ^2/NDF:13.0/9

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

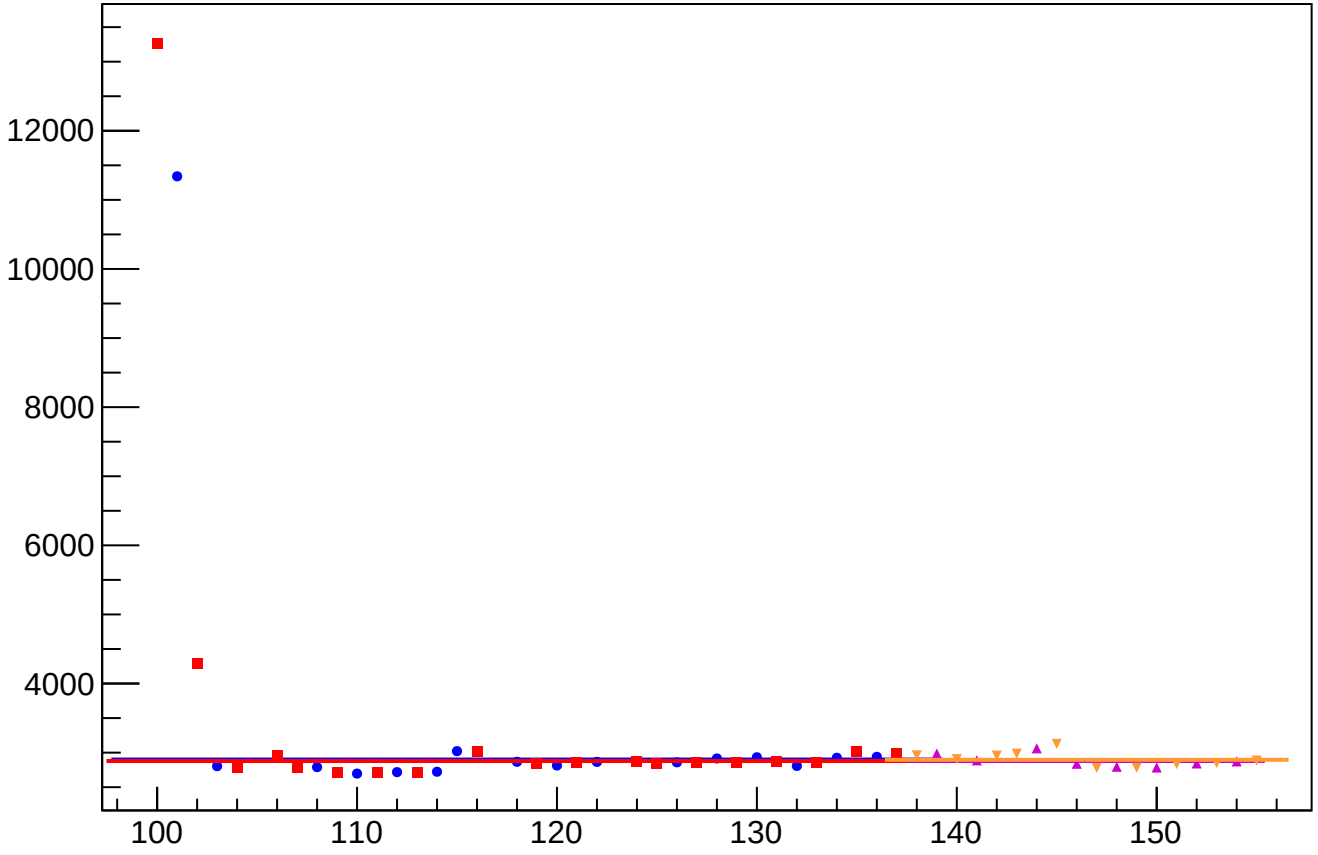
Left In: -3522.846+/-1087.217 χ^2/NDF:16.4/7

+ sign 2810.231+/-755.403 χ^2/NDF: 30.2/25

All: 65.254+/-537.350 χ^2/NDF: 84.6/52

- sign -2746.487+/-764.534 χ^2/NDF: 27.7/26

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2895.941+/-0.731 χ^2/NDF:18347.4/9

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

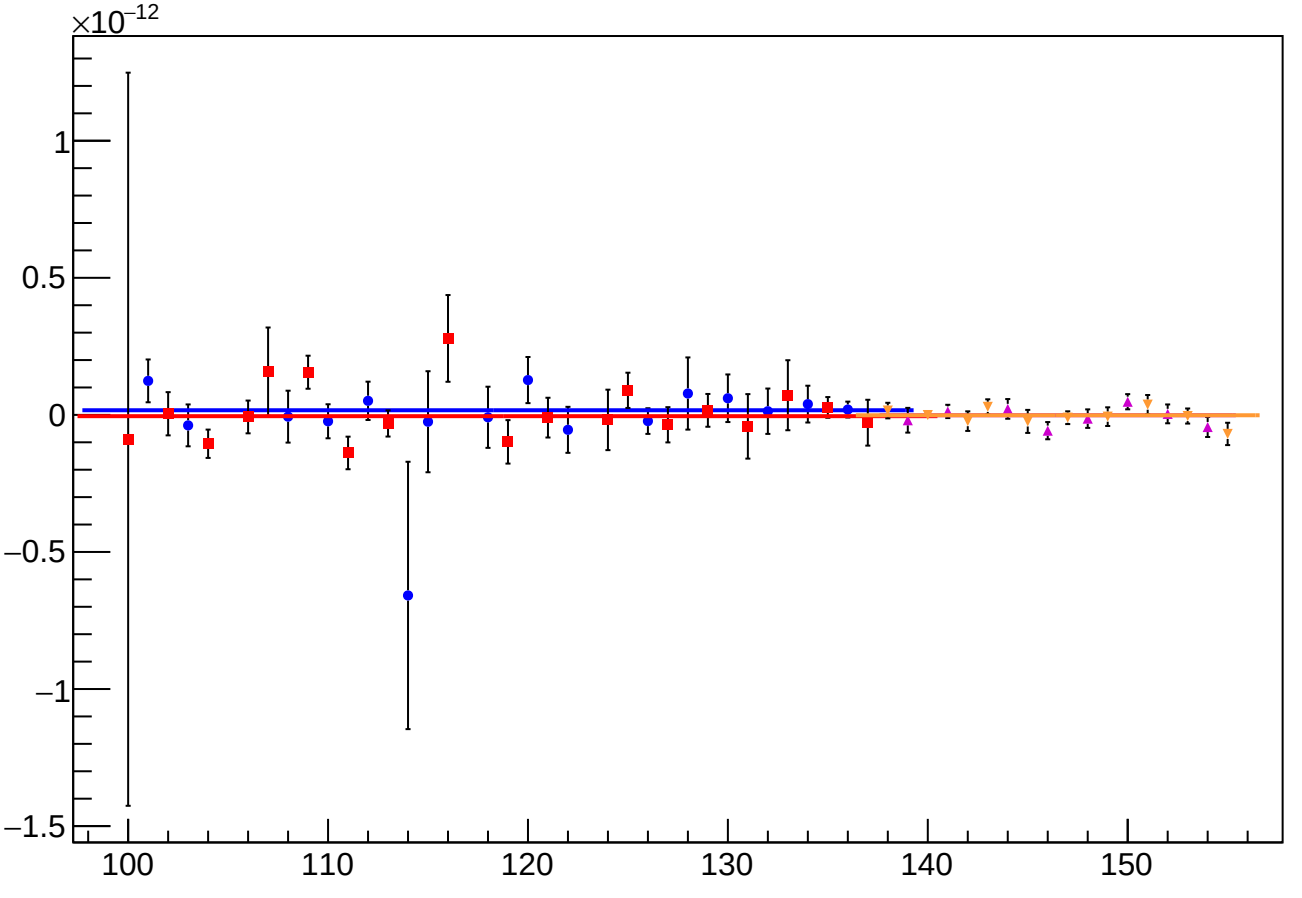
Left In: 2879.202+/-0.769 χ^2/NDF:12873.4/7

+ sign 2897.753+/-0.534 χ^2/NDF: 760178.8/25

All: 2888.528+/-0.380 χ^2/NDF: 966938.5/52

- sign 2879.078+/-0.541 χ^2/NDF: 206155.9/26

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

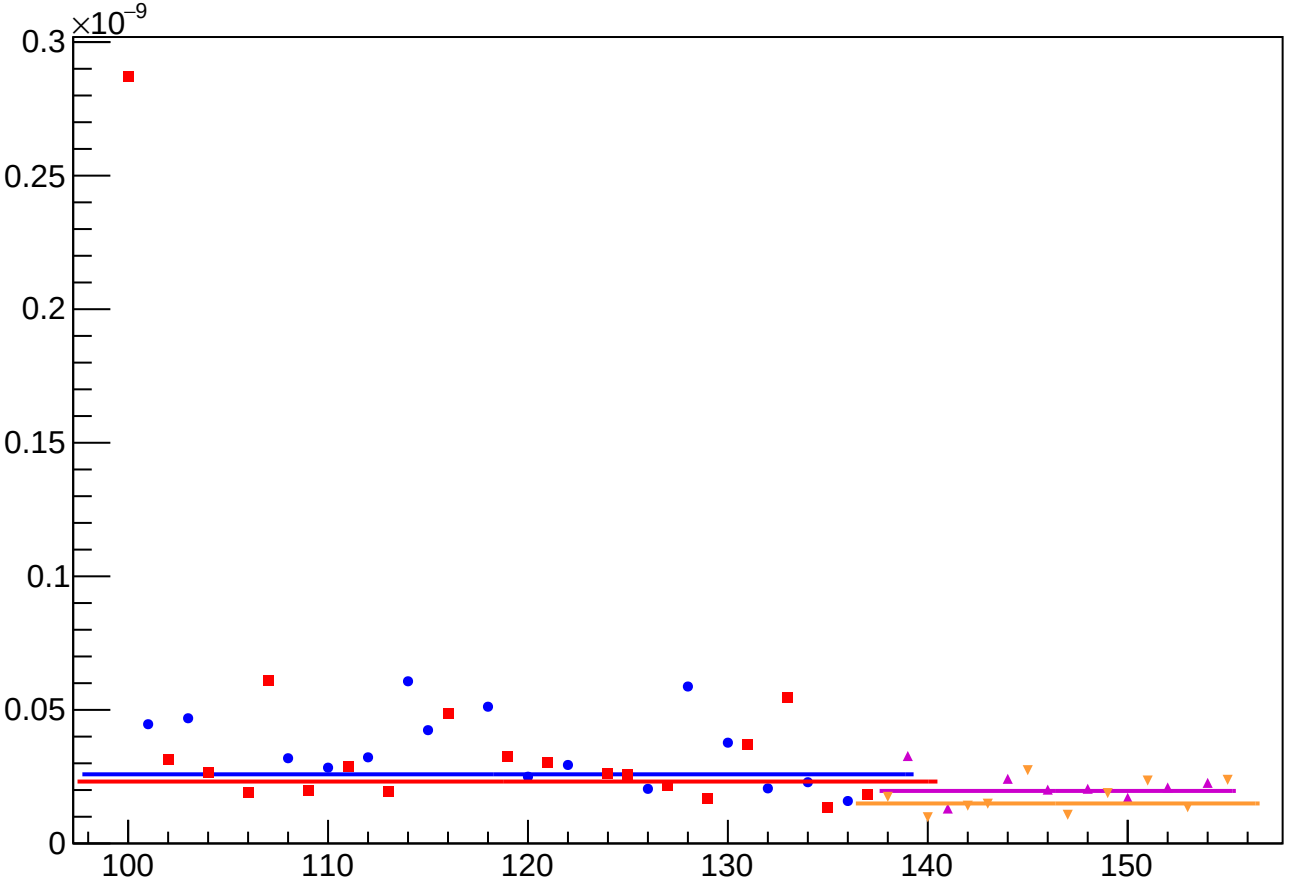
Left In: -0.000+/-0.000 χ^2/NDF:8.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 16.2/25

All: 0.000+/-0.000 χ^2/NDF: 51.0/52

- sign -0.000+/-0.000 χ^2/NDF: 34.6/26

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:660694.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

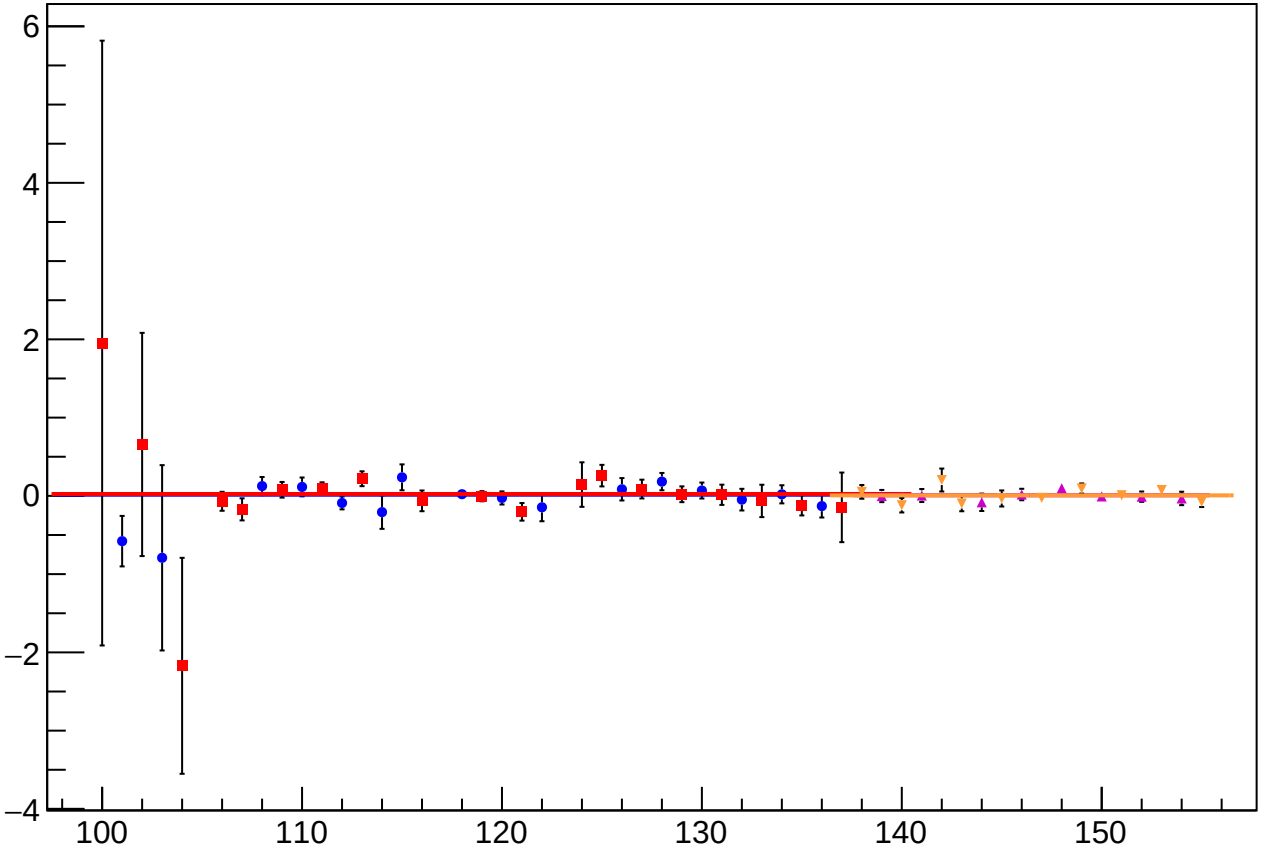
Left In: 0.000+/-0.000 χ^2/NDF:382789.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 2177139.2/25

All: 0.000+/-0.000 χ^2/NDF: 3478046.6/52

- sign 0.000+/-0.000 χ^2/NDF: 1137419.6/26

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.023 χ^2/NDF:10.2/9

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

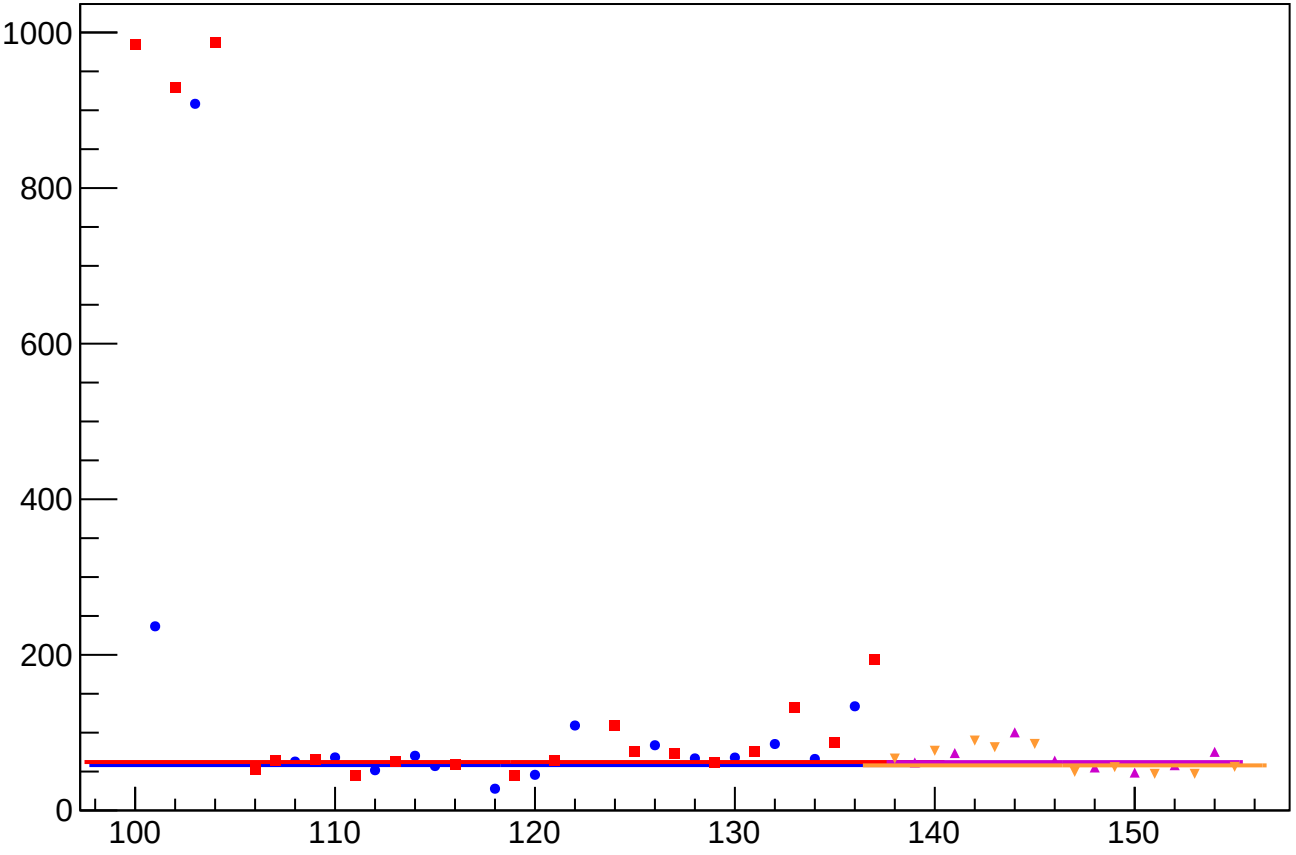
Left In: 0.008+/-0.026 χ^2/NDF:3.0/7

+ sign 0.010+/-0.018 χ^2/NDF: 25.3/25

All: 0.013+/-0.013 χ^2/NDF: 49.4/52

- sign 0.015+/-0.019 χ^2/NDF: 24.0/26

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 57.935+/-0.017 χ^2/NDF:636648.2/9

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

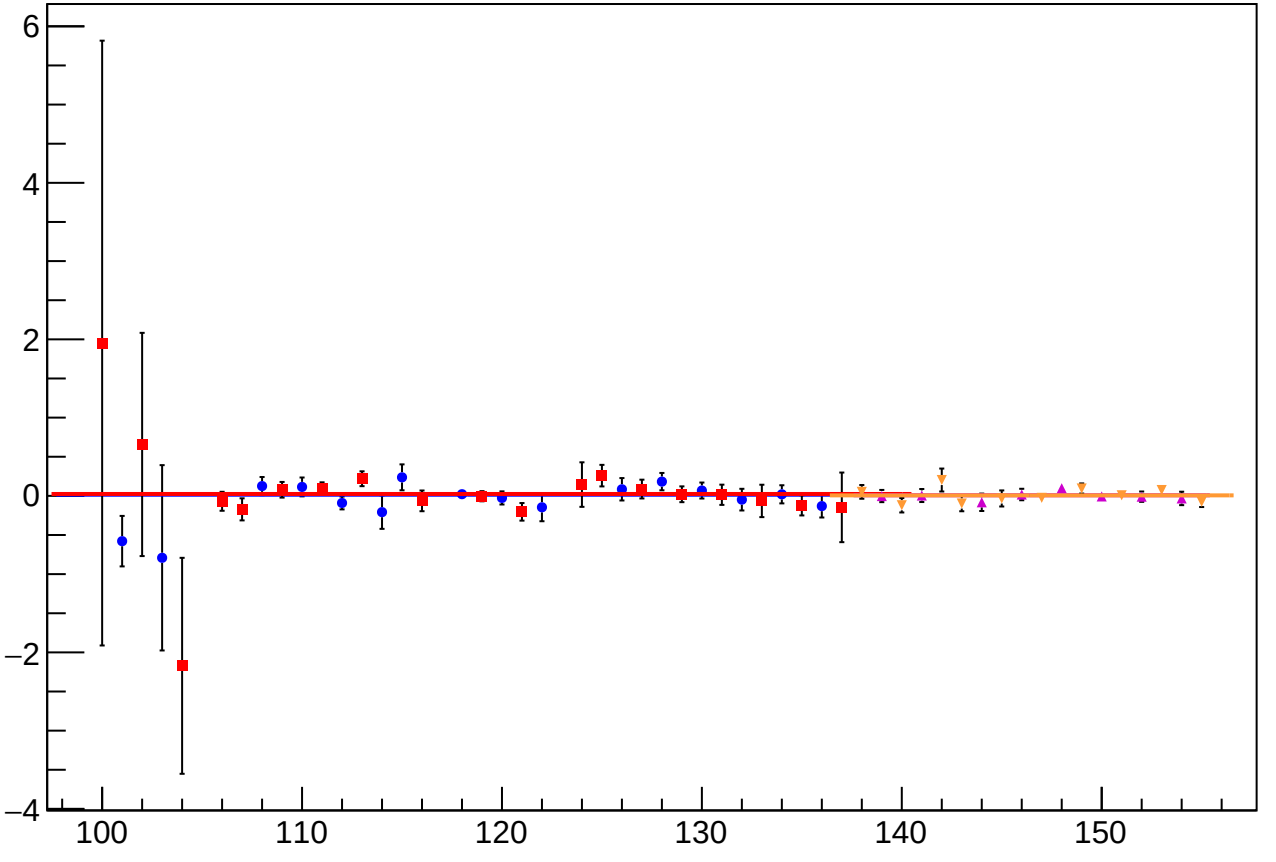
Left In: 62.133+/-0.018 χ^2/NDF:469324.6/7

+ sign 58.091+/-0.013 χ^2/NDF: 3897268.2/25

All: 60.016+/-0.009 χ^2/NDF: 7042804.7/52

- sign 62.180+/-0.013 χ^2/NDF: 3096369.1/26

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.023 χ^2/NDF:10.2/9

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

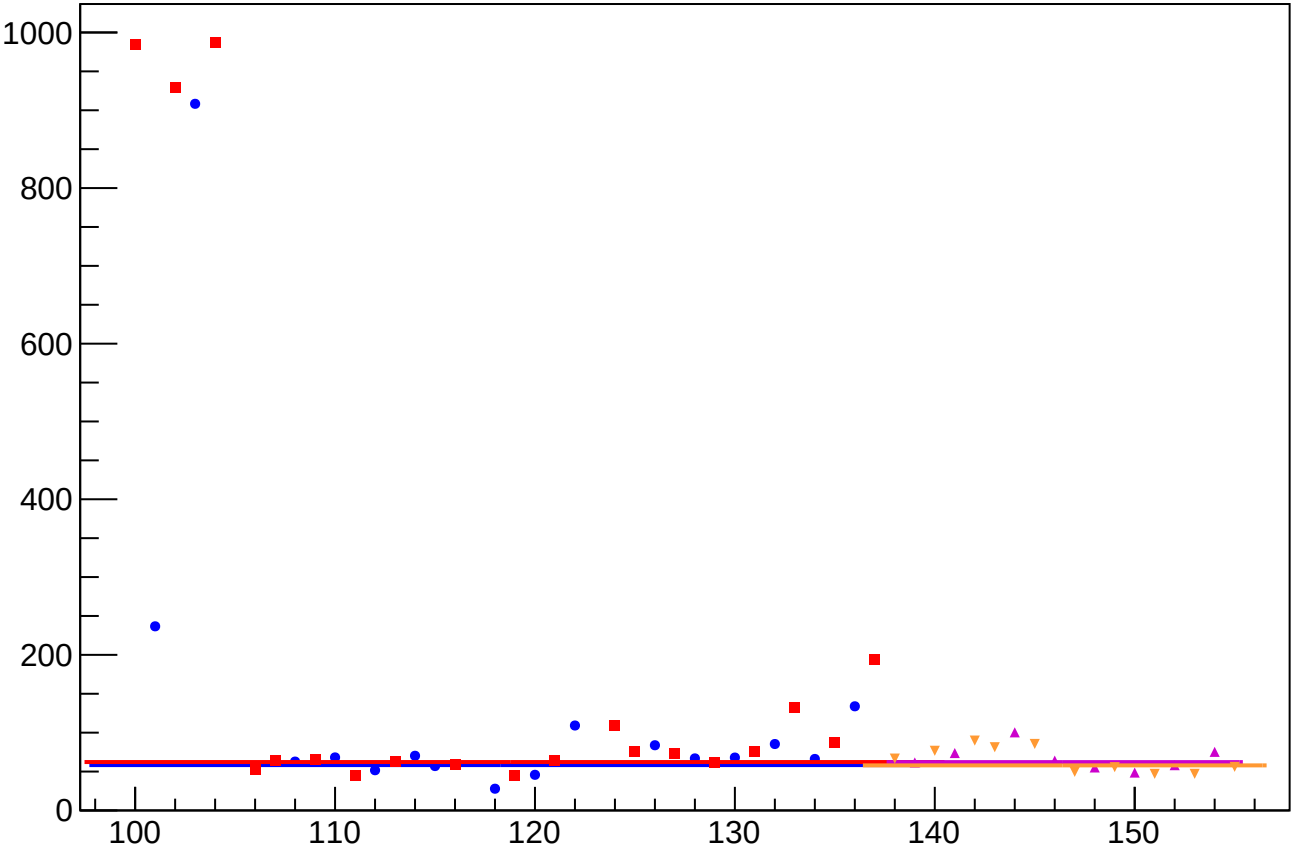
Left In: 0.008+/-0.026 χ^2/NDF:3.0/7

+ sign 0.010+/-0.018 χ^2/NDF: 25.3/25

All: 0.013+/-0.013 χ^2/NDF: 49.4/52

- sign 0.015+/-0.019 χ^2/NDF: 24.0/26

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 57.935+/-0.017 χ^2/NDF:636648.2/9

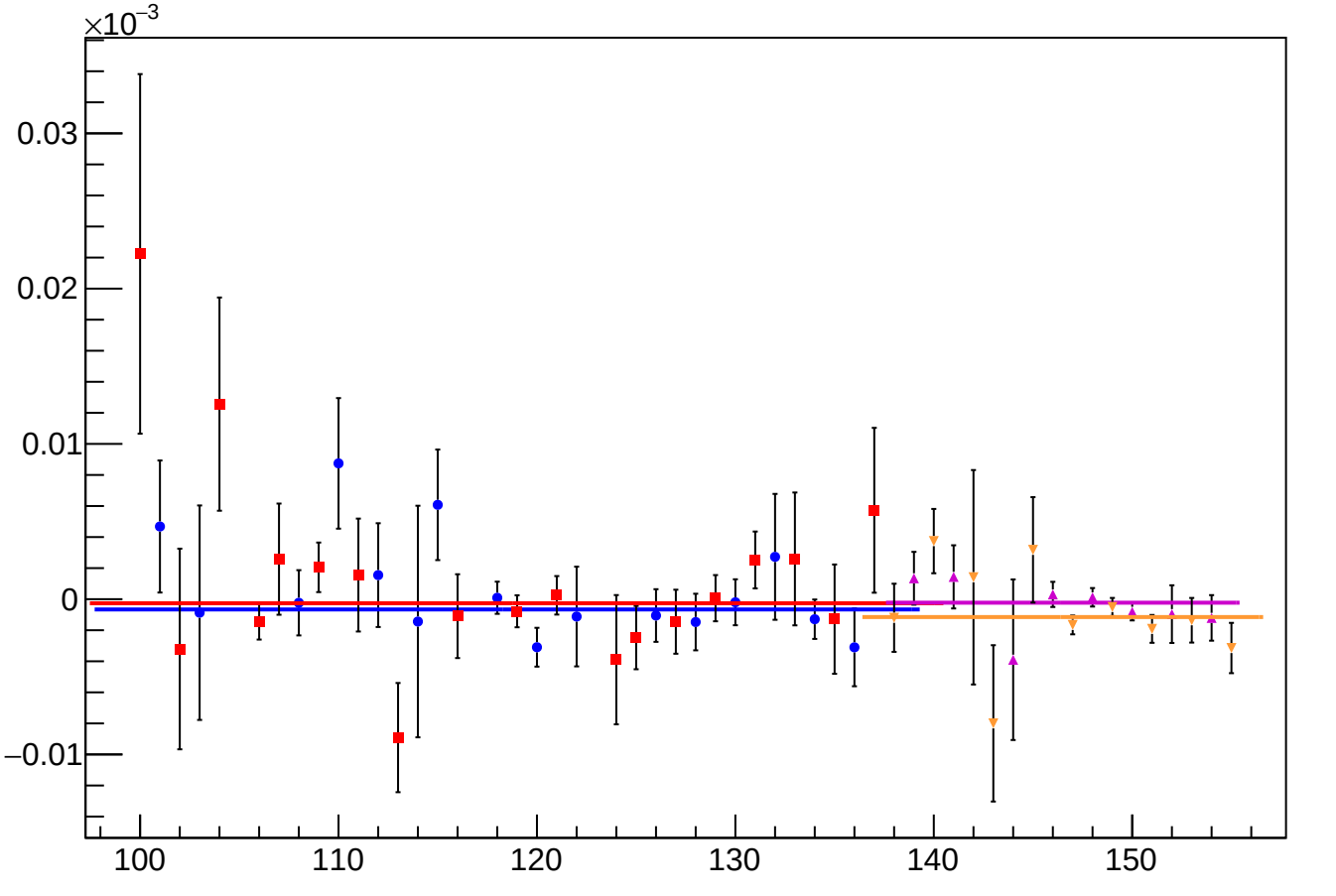
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 62.133+/-0.018 χ^2/NDF:469324.6/7

+ sign 58.091+/-0.013 χ^2/NDF: 3897268.2/25

All: 60.016+/-0.009 χ^2/NDF: 7042804.7/52

- sign 62.180+/-0.013 χ^2/NDF: 3096369.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

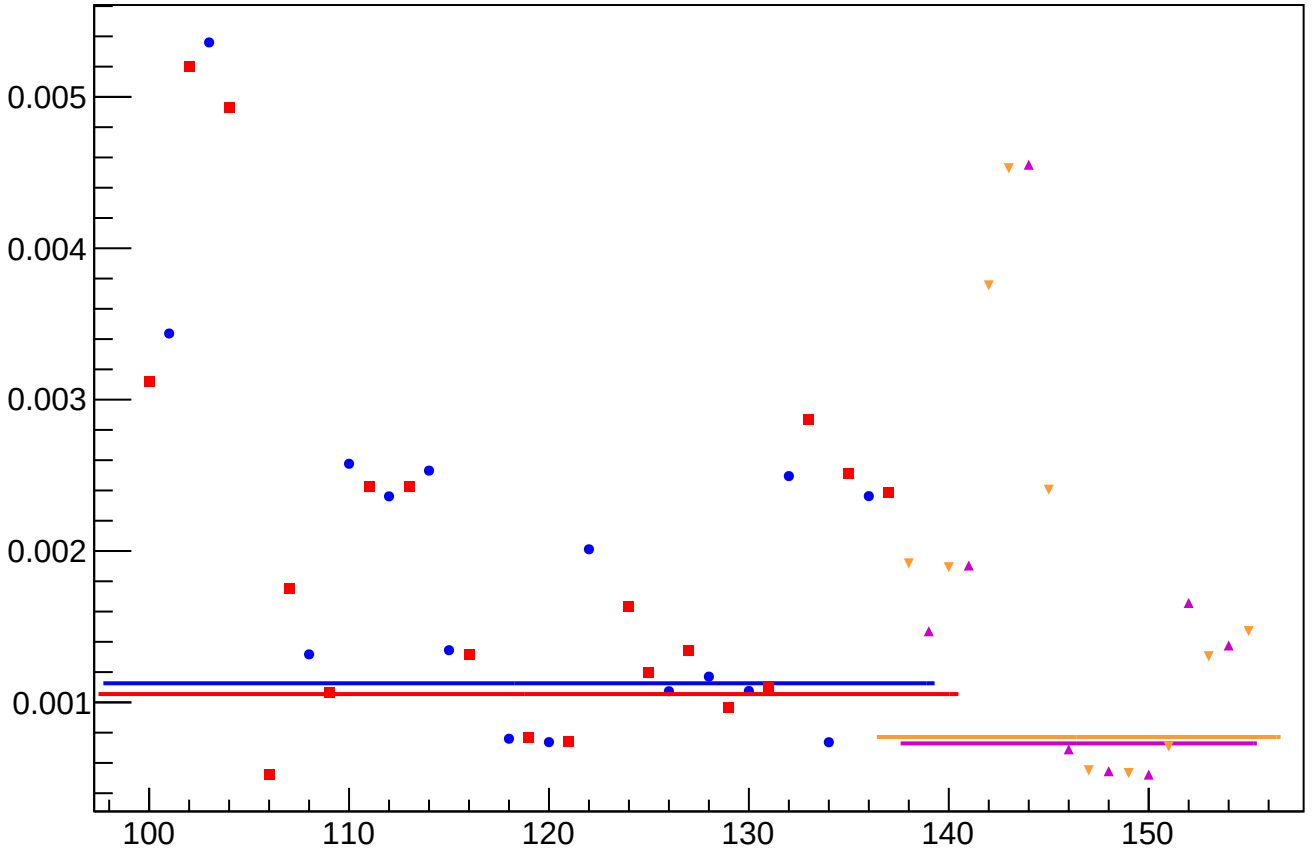
Left In: -0.000+/-0.000 χ^2/NDF:4.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/25

All: -0.000+/-0.000 χ^2/NDF: 64.0/52

- sign -0.000+/-0.000 χ^2/NDF: 29.1/26

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:4337303.9/9

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

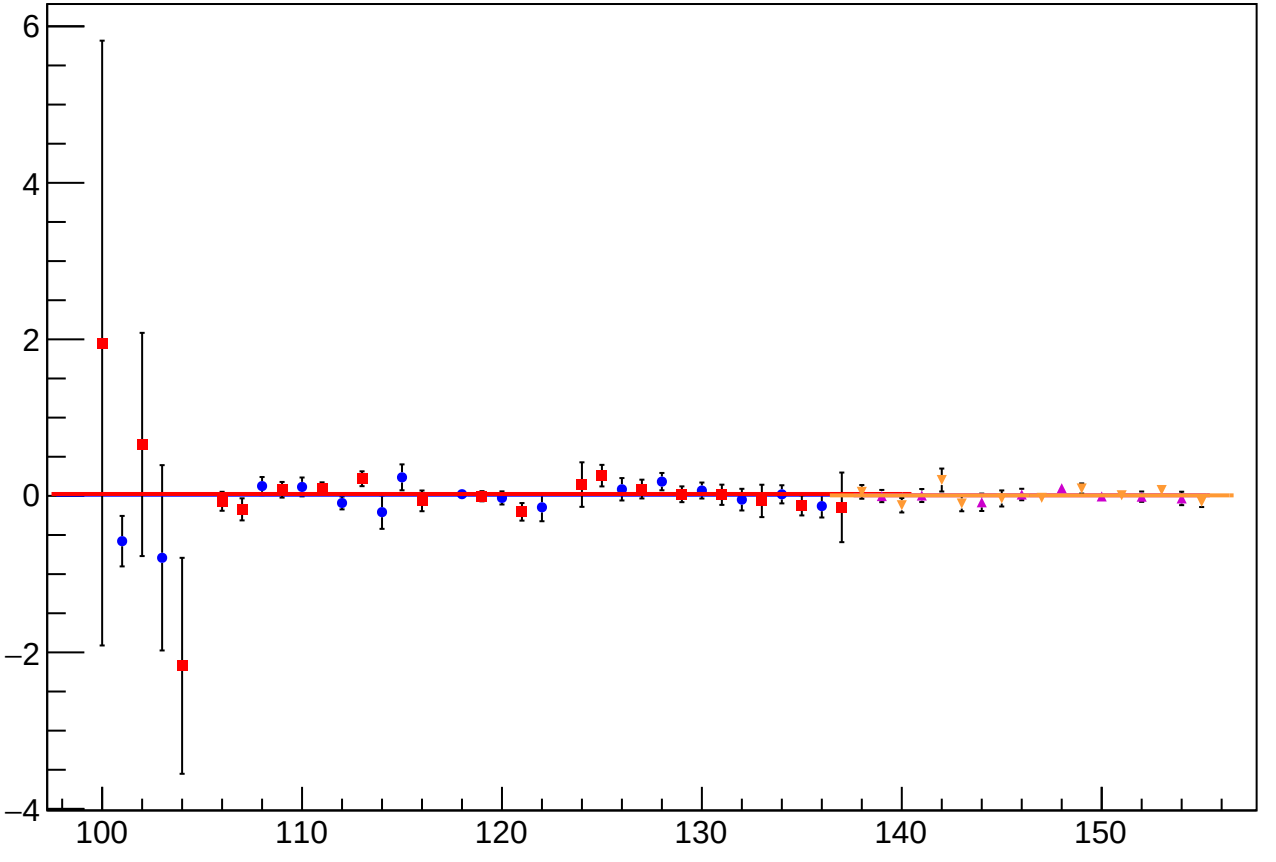
Left In: 0.001+/-0.000 χ^2/NDF:3502187.3/7

+ sign 0.001+/-0.000 χ^2/NDF: 8489619.0/25

All: 0.001+/-0.000 χ^2/NDF: 16521809.9/52

- sign 0.001+/-0.000 χ^2/NDF: 7999970.2/26

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.023 χ^2/NDF:10.2/9

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

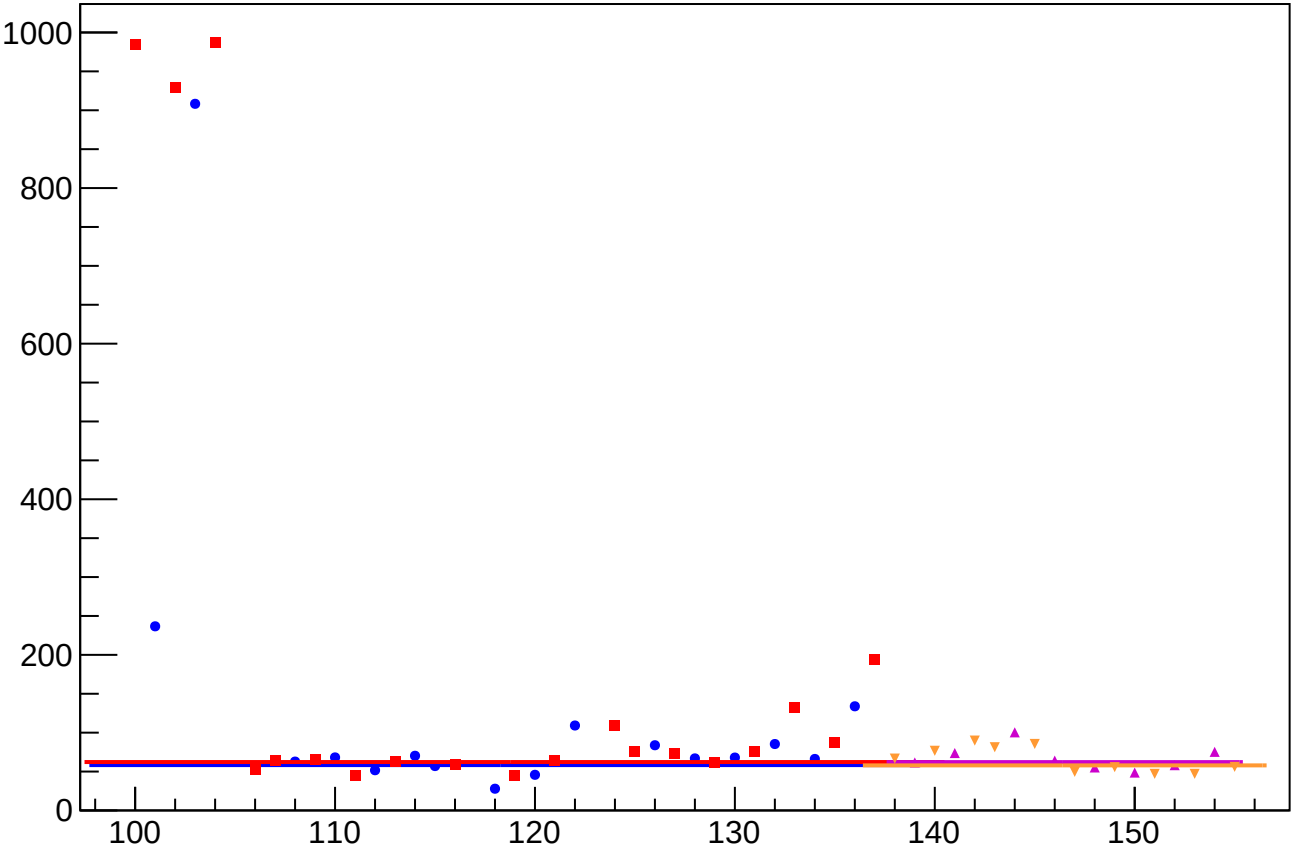
Left In: 0.008+/-0.026 χ^2/NDF:3.0/7

+ sign 0.010+/-0.018 χ^2/NDF: 25.3/25

All: 0.013+/-0.013 χ^2/NDF: 49.4/52

- sign 0.015+/-0.019 χ^2/NDF: 24.0/26

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 57.935+/-0.017 χ^2/NDF:636640.3/9

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

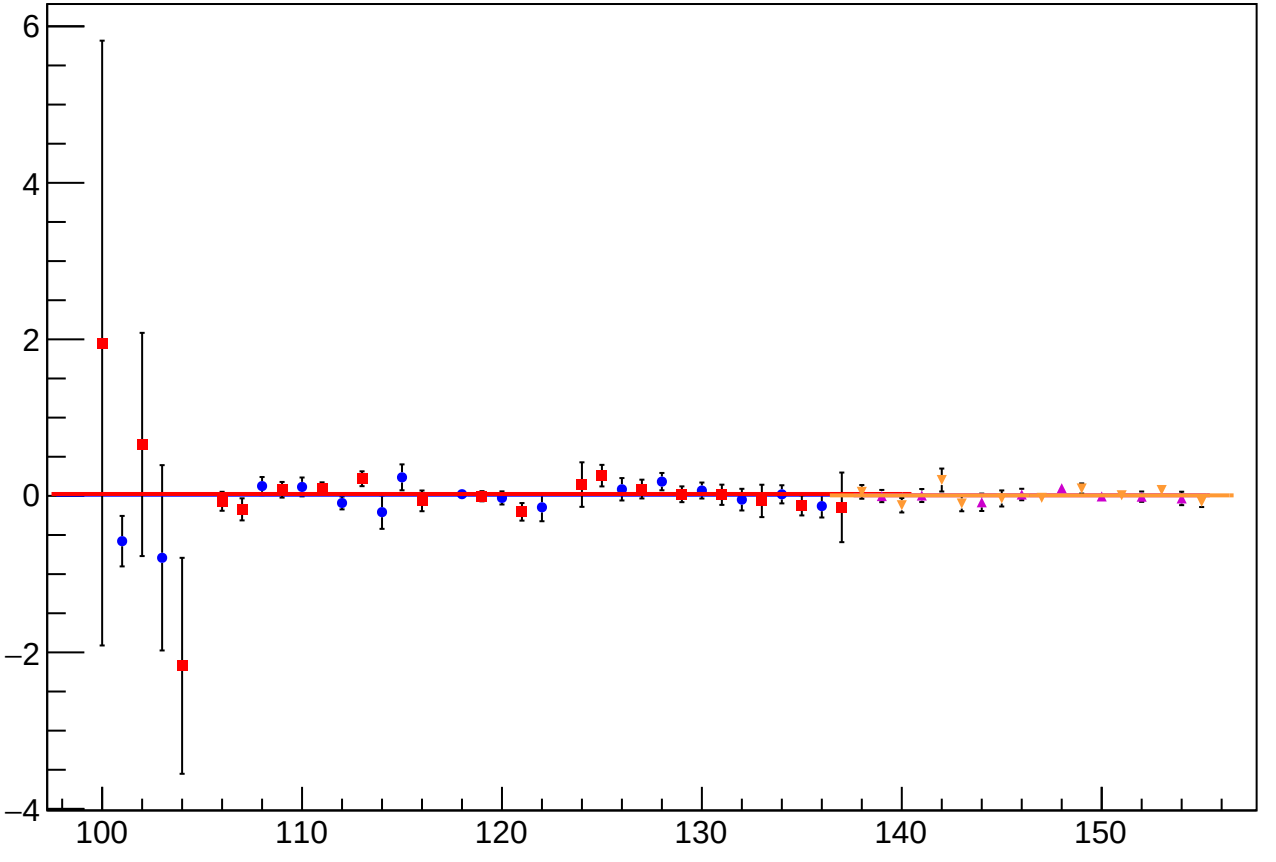
Left In: 62.133+/-0.018 χ^2/NDF:469341.5/7

+ sign 58.091+/-0.013 χ^2/NDF: 3897339.5/25

All: 60.015+/-0.009 χ^2/NDF: 7042897.7/52

- sign 62.180+/-0.013 χ^2/NDF: 3096378.1/26

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: 0.006+/-0.023 χ^2/NDF:10.2/9

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

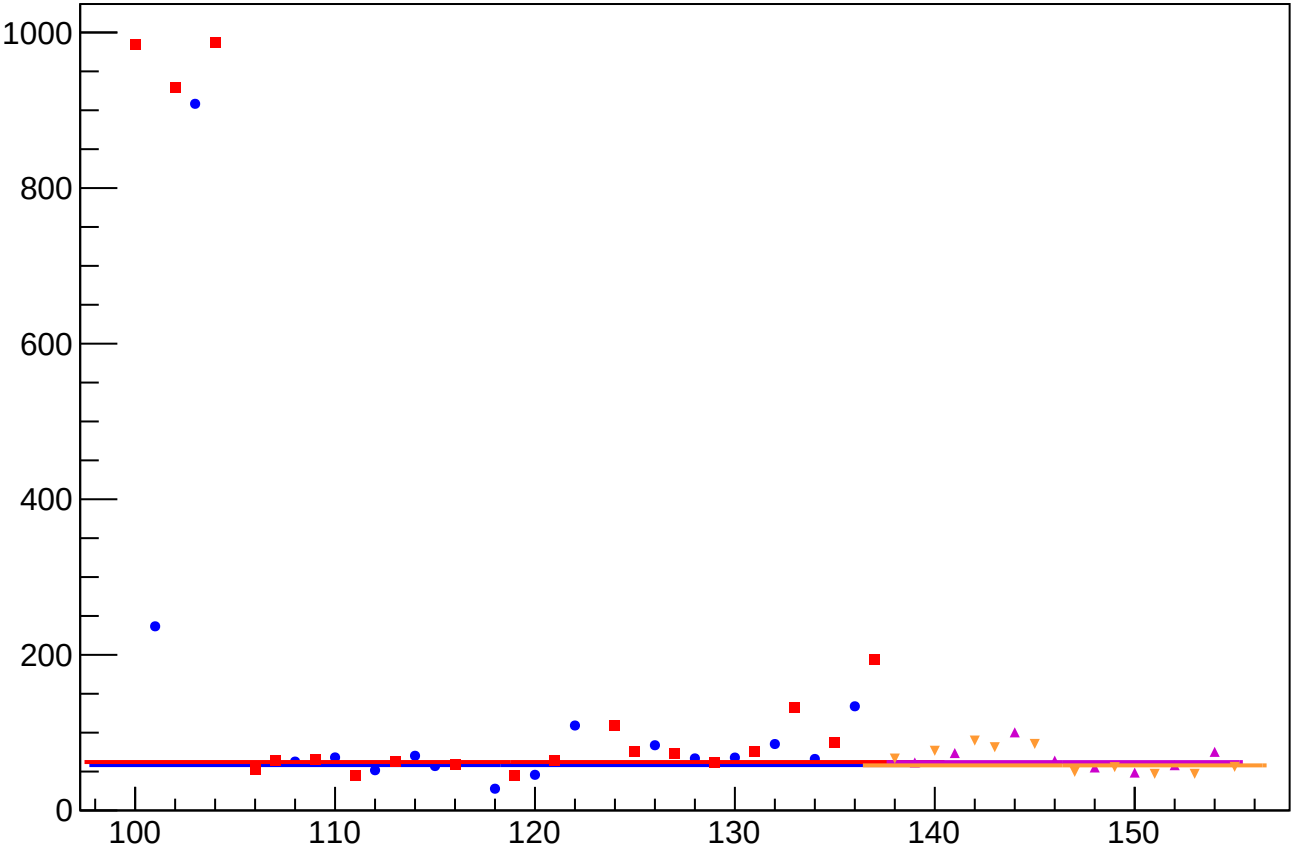
Left In: 0.008+/-0.026 χ^2/NDF:3.0/7

+ sign 0.010+/-0.018 χ^2/NDF: 25.3/25

All: 0.013+/-0.013 χ^2/NDF: 49.4/52

- sign 0.015+/-0.019 χ^2/NDF: 24.0/26

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: 57.935+/-0.017 χ^2/NDF:636640.3/9

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

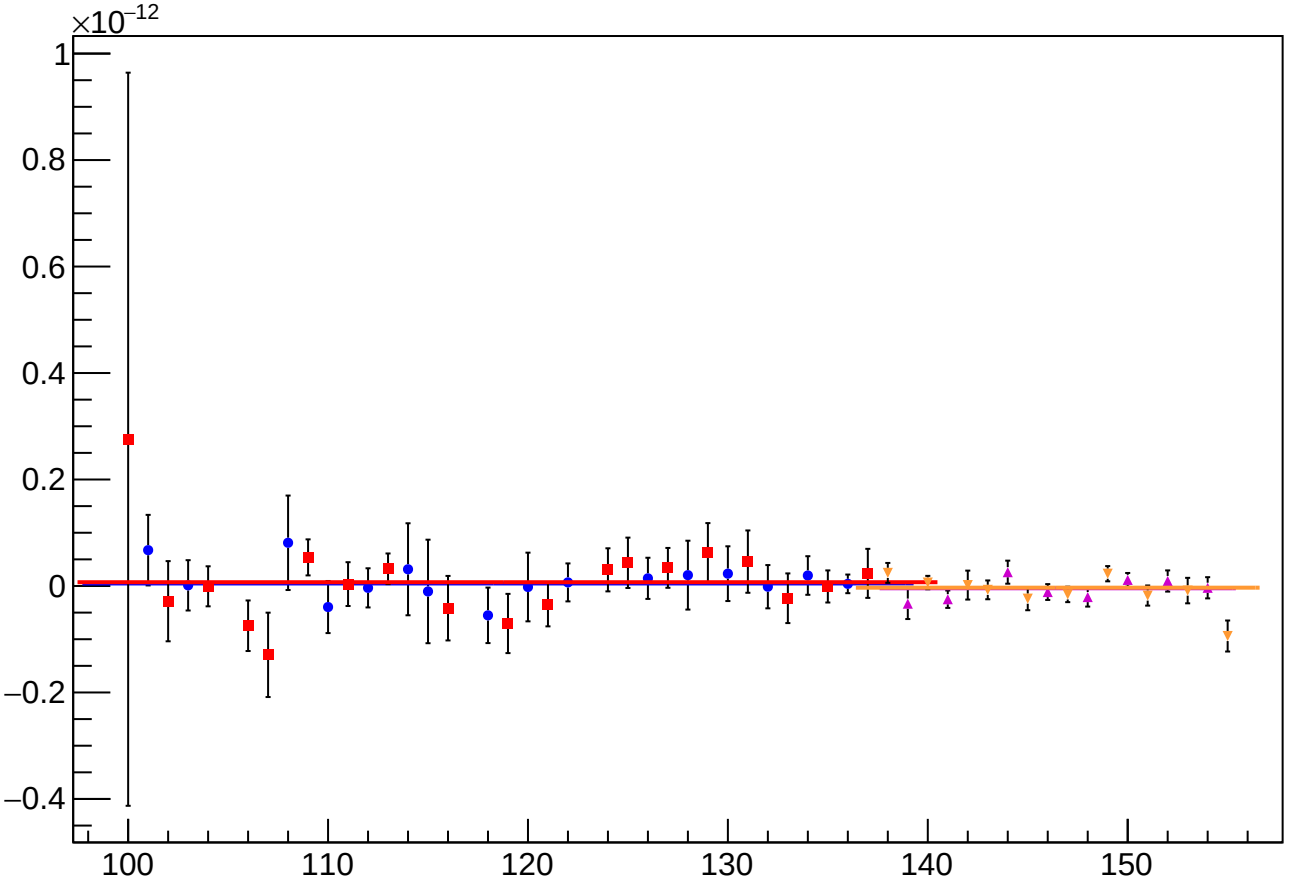
Left In: 62.133+/-0.018 χ^2/NDF:469341.5/7

+ sign 58.091+/-0.013 χ^2/NDF: 3897339.5/25

All: 60.015+/-0.009 χ^2/NDF: 7042897.7/52

- sign 62.180+/-0.013 χ^2/NDF: 3096378.1/26

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:18.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

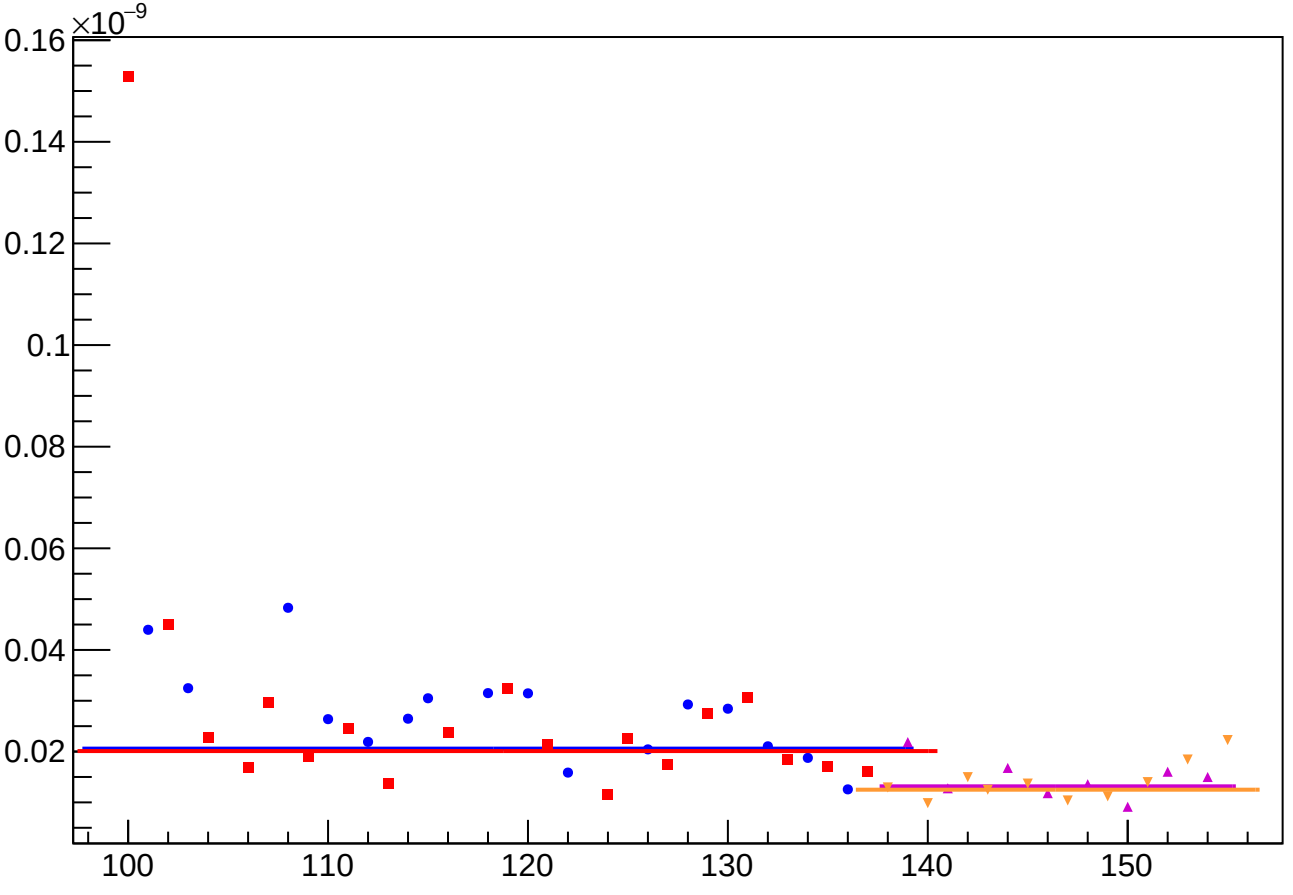
Left In: -0.000+/-0.000 χ^2/NDF:7.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/25

All: -0.000+/-0.000 χ^2/NDF: 47.7/52

- sign -0.000+/-0.000 χ^2/NDF: 24.6/26

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:531779.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

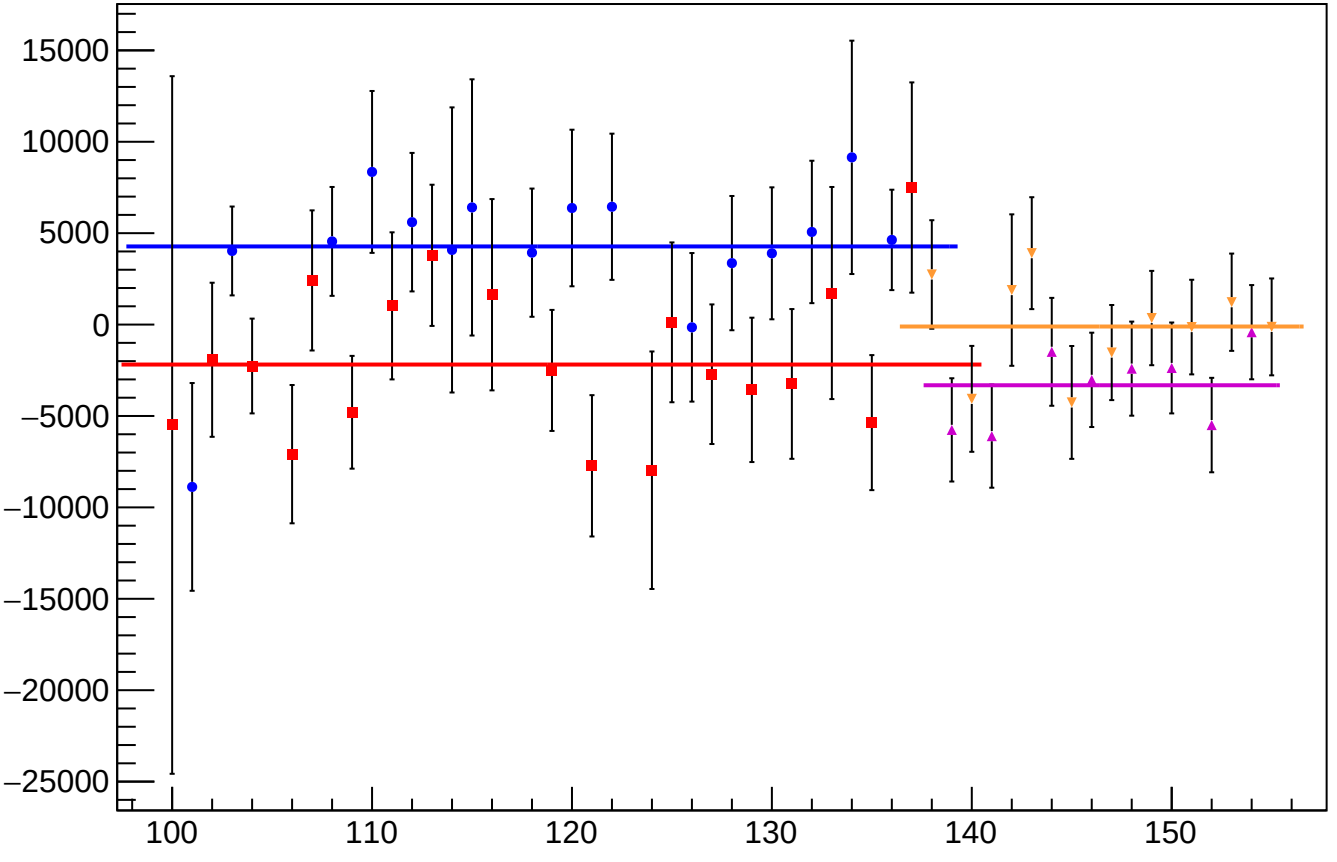
Left In: 0.000+/-0.000 χ^2/NDF:506863.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 2803503.1/25

All: 0.000+/-0.000 χ^2/NDF: 4821779.8/52

- sign 0.000+/-0.000 χ^2/NDF: 2000598.5/26

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -106.265+/-900.308 χ^2/NDF:7.1/9

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

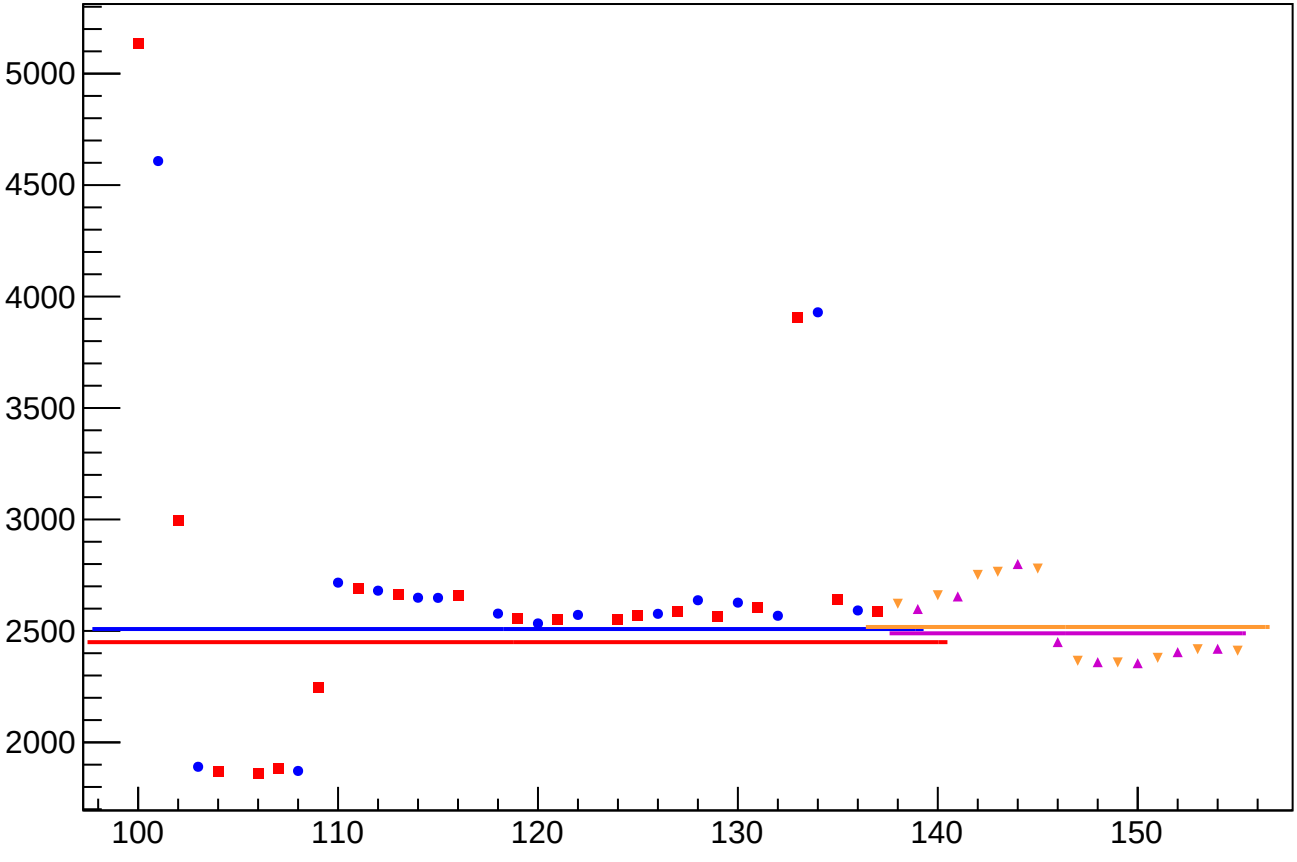
Left In: -3319.261+/-941.055 χ^2/NDF:4.4/7

+ sign 1962.011+/-654.111 χ^2/NDF: 27.2/25

All: -373.445+/-464.114 χ^2/NDF: 72.8/52

- sign -2741.240+/-658.624 χ^2/NDF: 19.9/26

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2517.692+/-0.637 χ^2/NDF:67320.1/9

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

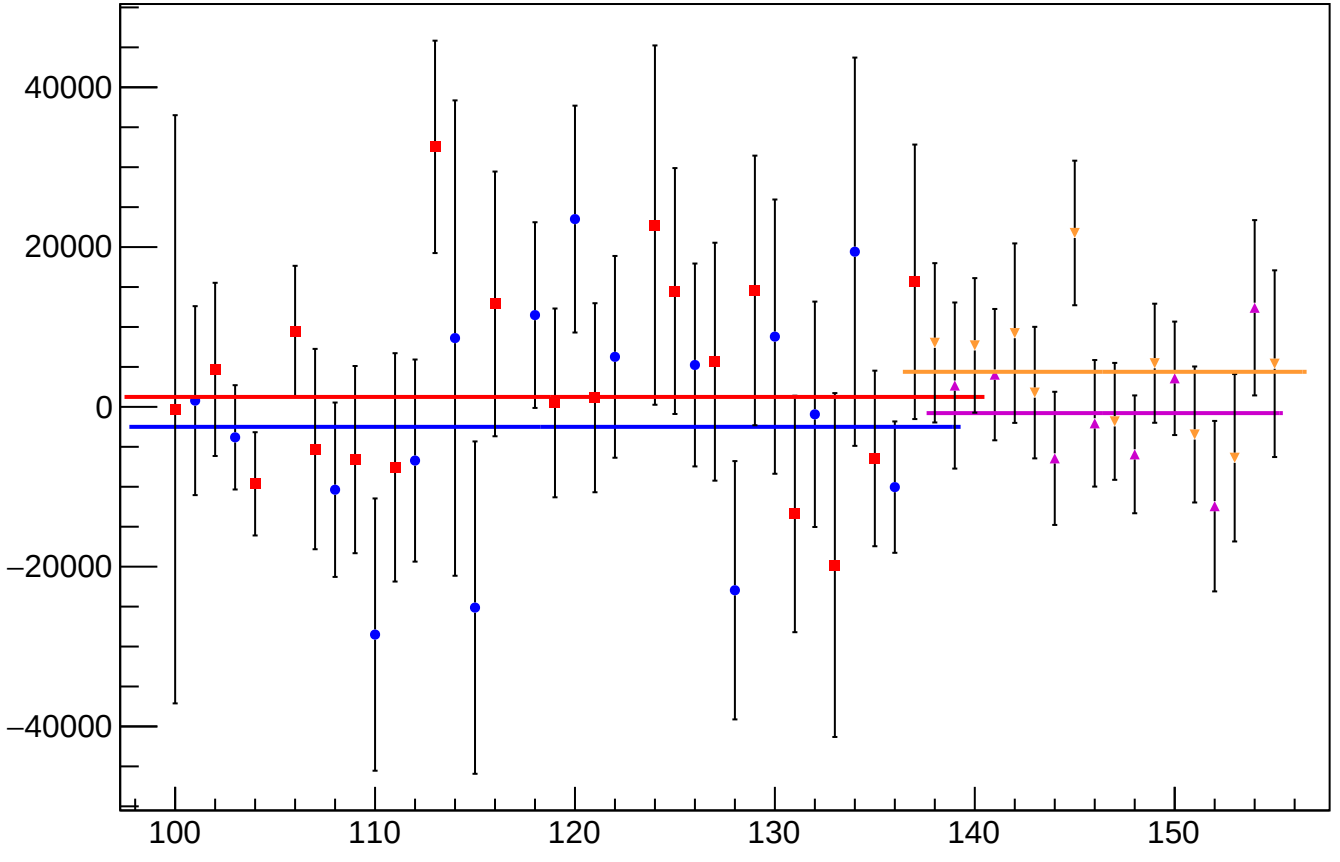
Left In: 2489.266+/-0.665 χ^2/NDF:46954.4/7

+ sign 2513.336+/-0.463 χ^2/NDF: 679008.9/25

All: 2491.341+/-0.328 χ^2/NDF: 1169229.3/52

- sign 2469.041+/-0.466 χ^2/NDF: 485666.2/26

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 4388.385+/-2817.481 χ^2/NDF:6.9/9

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

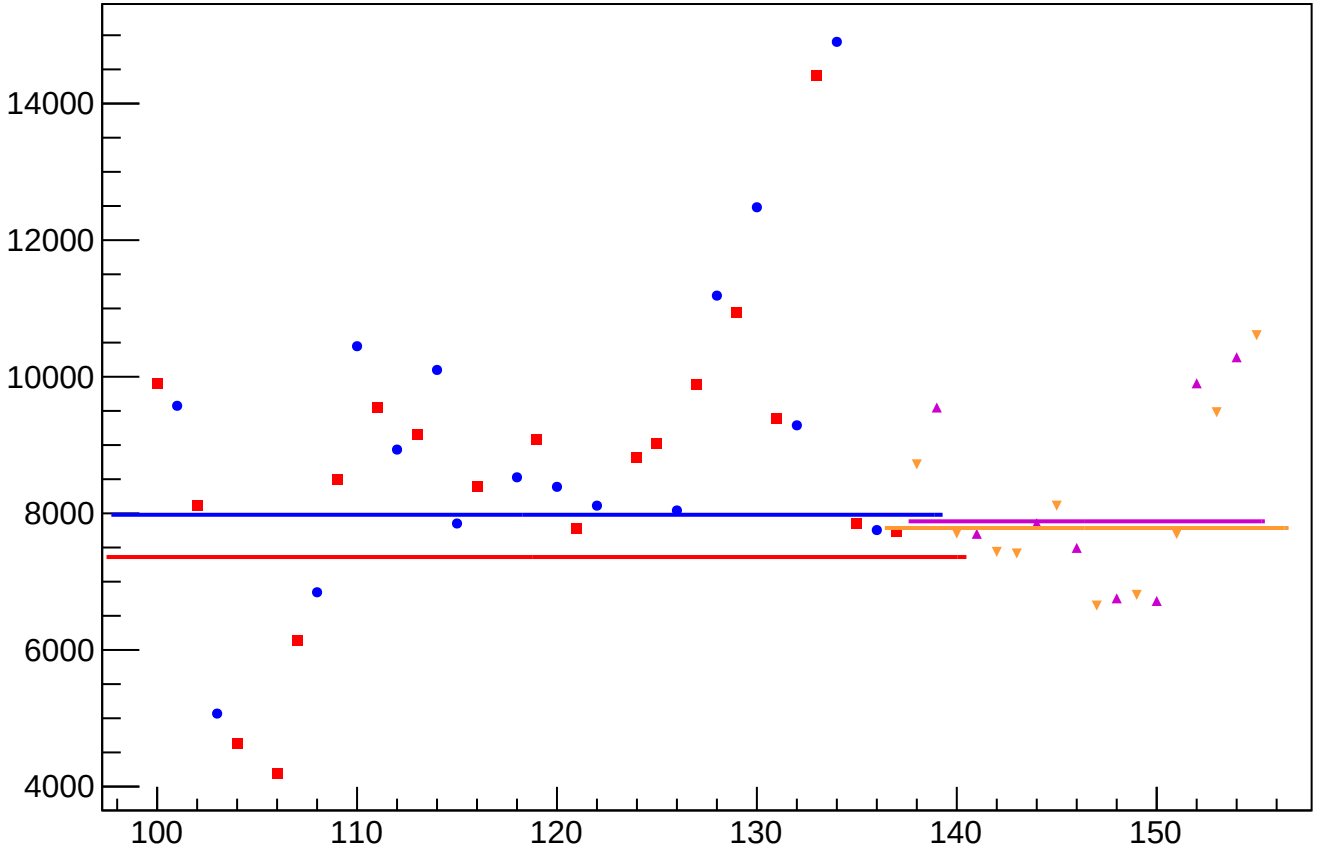
Left In: -781.099+/-3019.155 χ^2/NDF:4.4/7

+ sign 1245.031+/-2077.524 χ^2/NDF: 23.4/25

All: 766.087+/-1467.616 χ^2/NDF: 44.8/52

- sign 288.984+/-2073.528 χ^2/NDF: 21.3/26

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7785.552+/-1.992 χ^2/NDF:278252.9/9

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

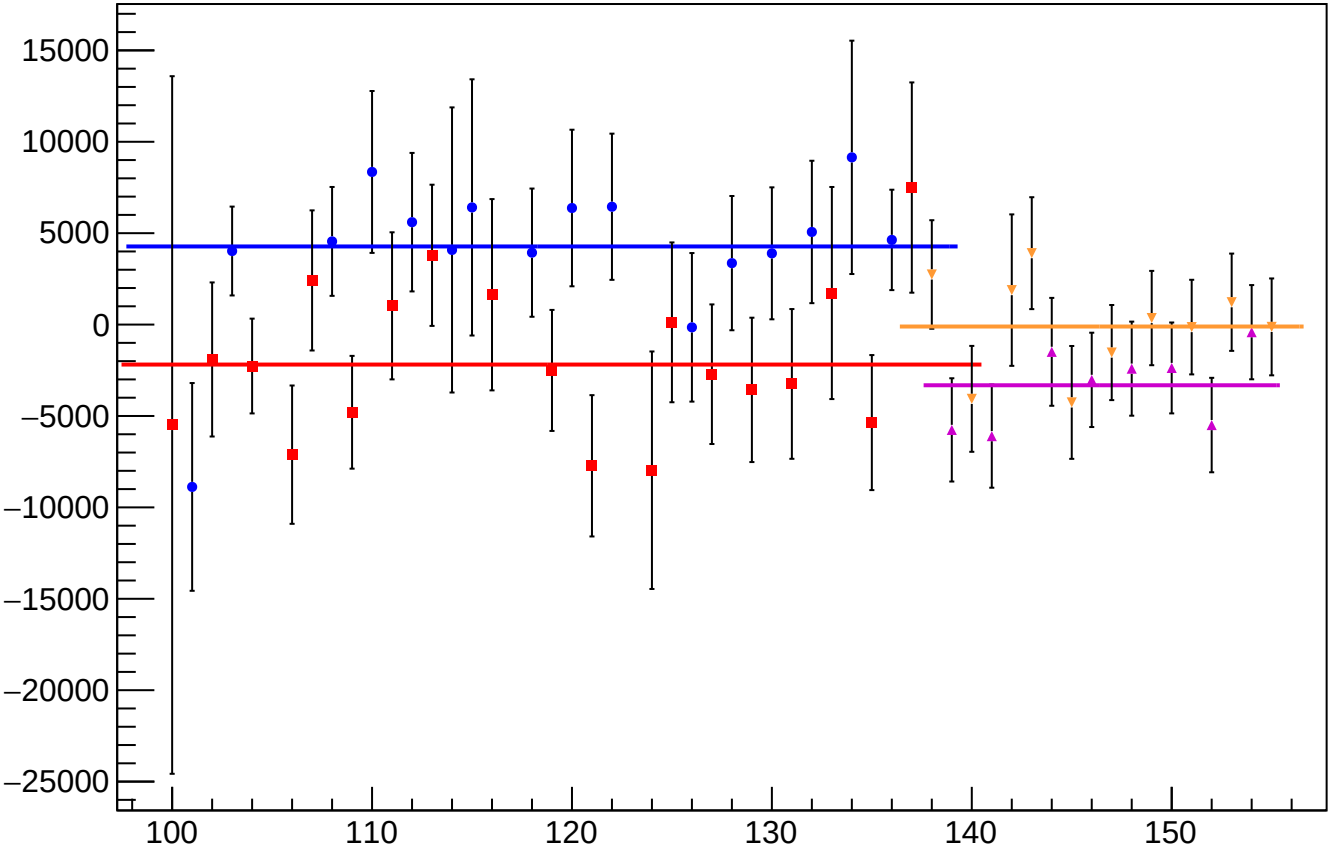
Left In: 7883.531+/-2.135 χ^2/NDF:325429.9/7

+ sign 7874.042+/-1.469 χ^2/NDF: 1205660.5/25

All: 7740.430+/-1.038 χ^2/NDF: 2865293.6/52

- sign 7607.331+/-1.466 χ^2/NDF: 1643120.1/26

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -106.369+/-900.308 χ^2/NDF:7.1/9

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

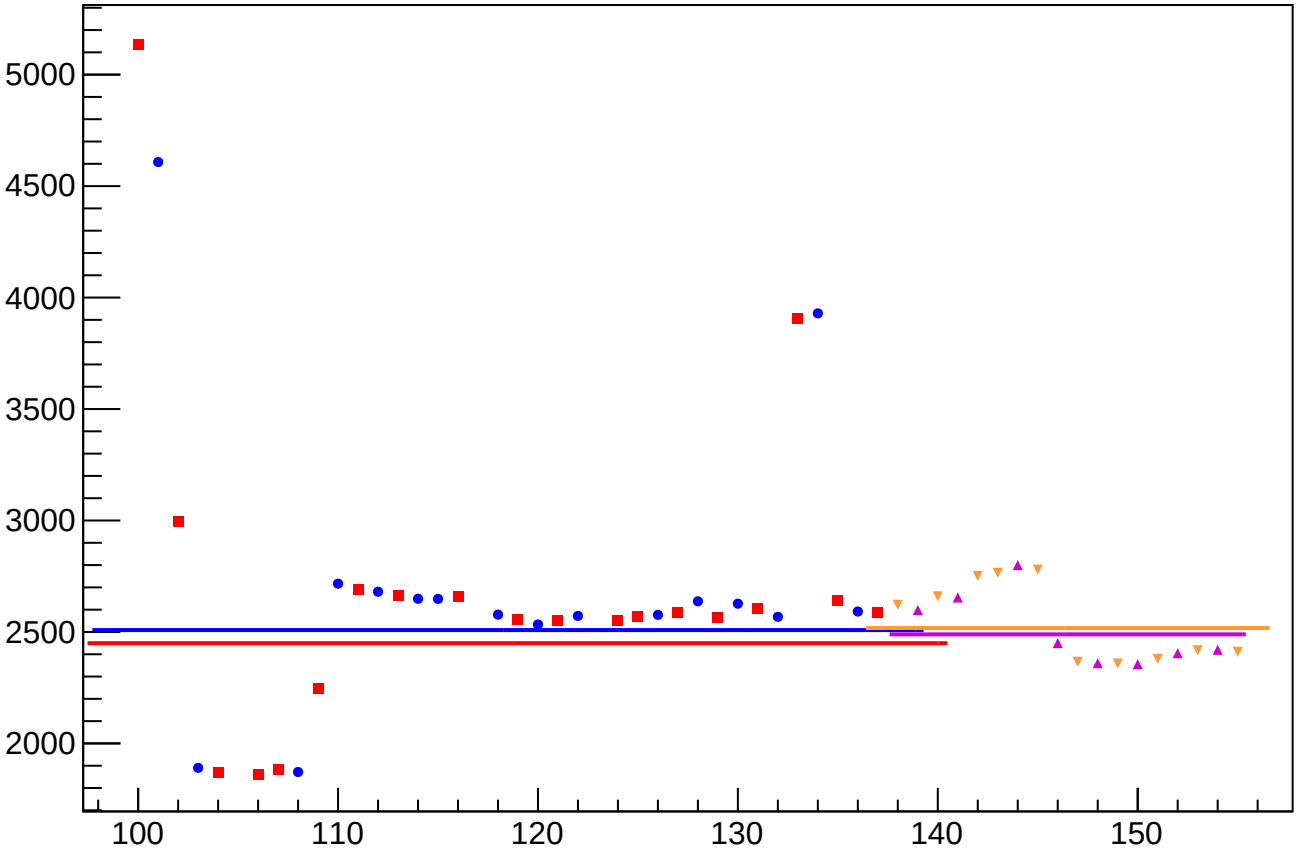
Left In: -3319.368+/-941.055 χ^2/NDF:4.4/7

+ sign 1961.724+/-654.111 χ^2/NDF: 27.2/25

All: -373.766+/-464.115 χ^2/NDF: 72.8/52

- sign -2741.614+/-658.627 χ^2/NDF: 19.9/26

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2517.692+/-0.637 χ^2/NDF:67320.1/9

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

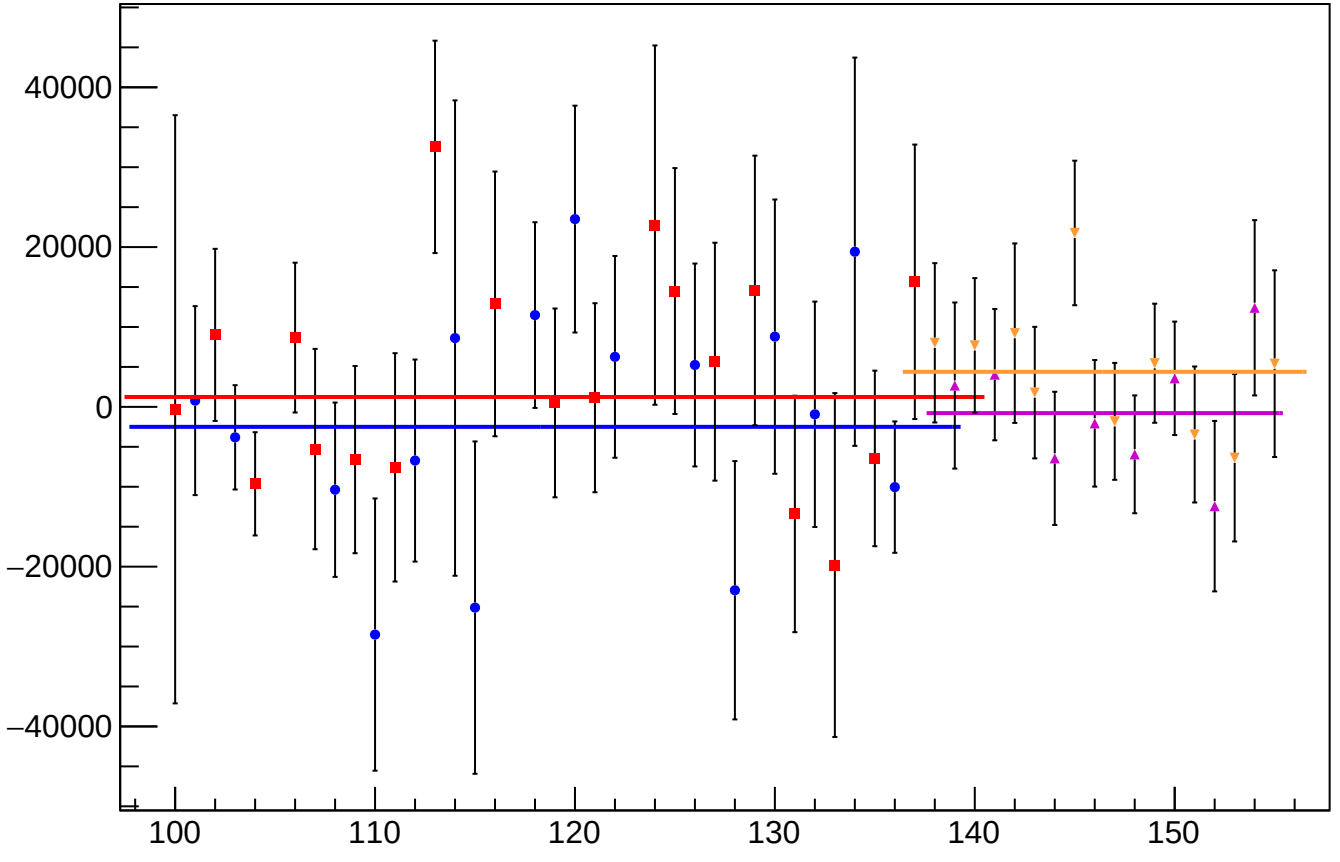
Left In: 2489.266+/-0.665 χ^2/NDF:46954.4/7

+ sign 2513.337+/-0.463 χ^2/NDF: 679006.7/25

All: 2491.348+/-0.328 χ^2/NDF: 1169167.9/52

- sign 2469.054+/-0.466 χ^2/NDF: 485609.6/26

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 4388.349+/-2817.477 χ^2/NDF:6.9/9

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

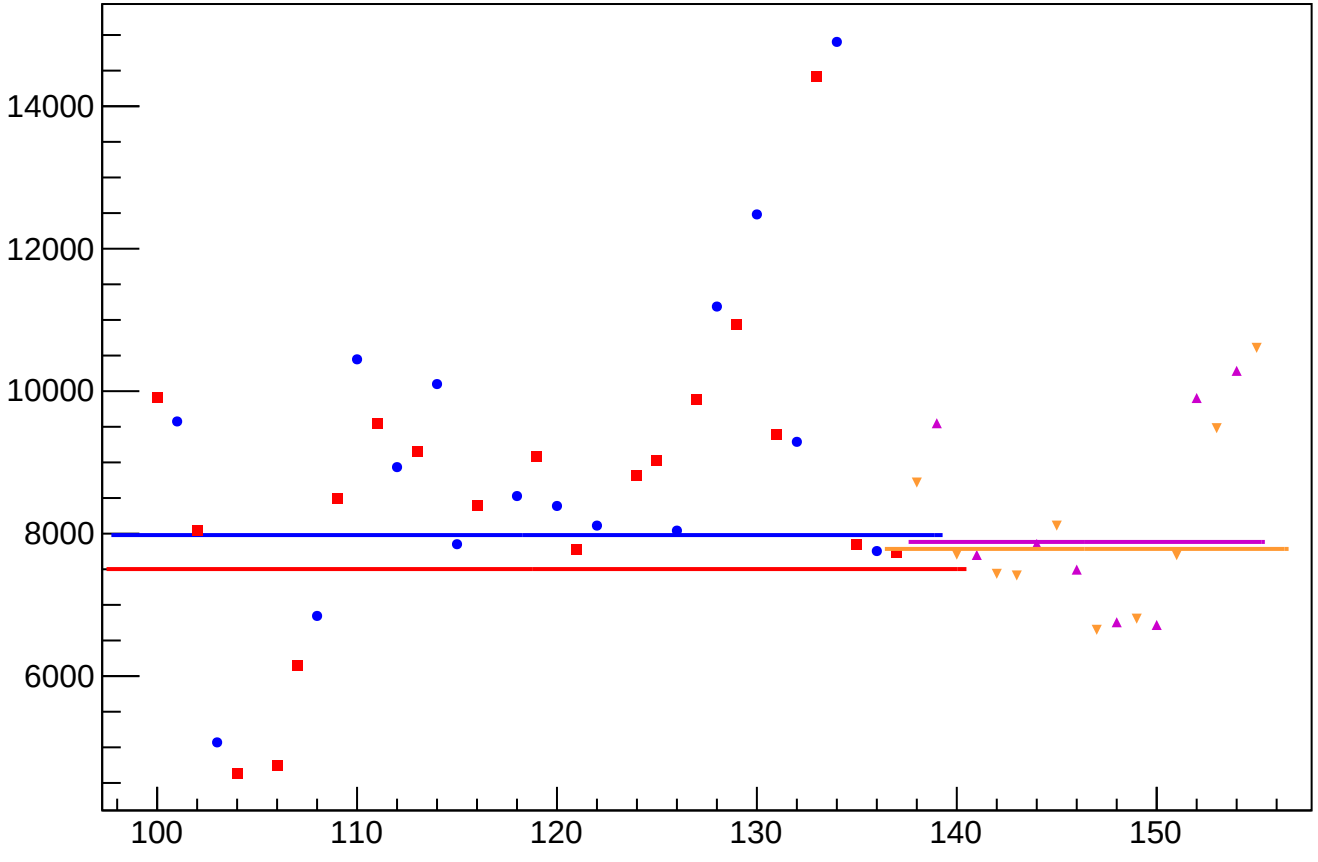
Left In: -781.264+/-3019.155 χ^2/NDF:4.4/7

+ sign 1245.217+/-2077.549 χ^2/NDF: 23.4/25

All: 761.416+/-1473.084 χ^2/NDF: 44.8/52

- sign 272.262+/-2089.010 χ^2/NDF: 21.3/26

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7785.537+/-1.992 χ^2/NDF:278259.5/9

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

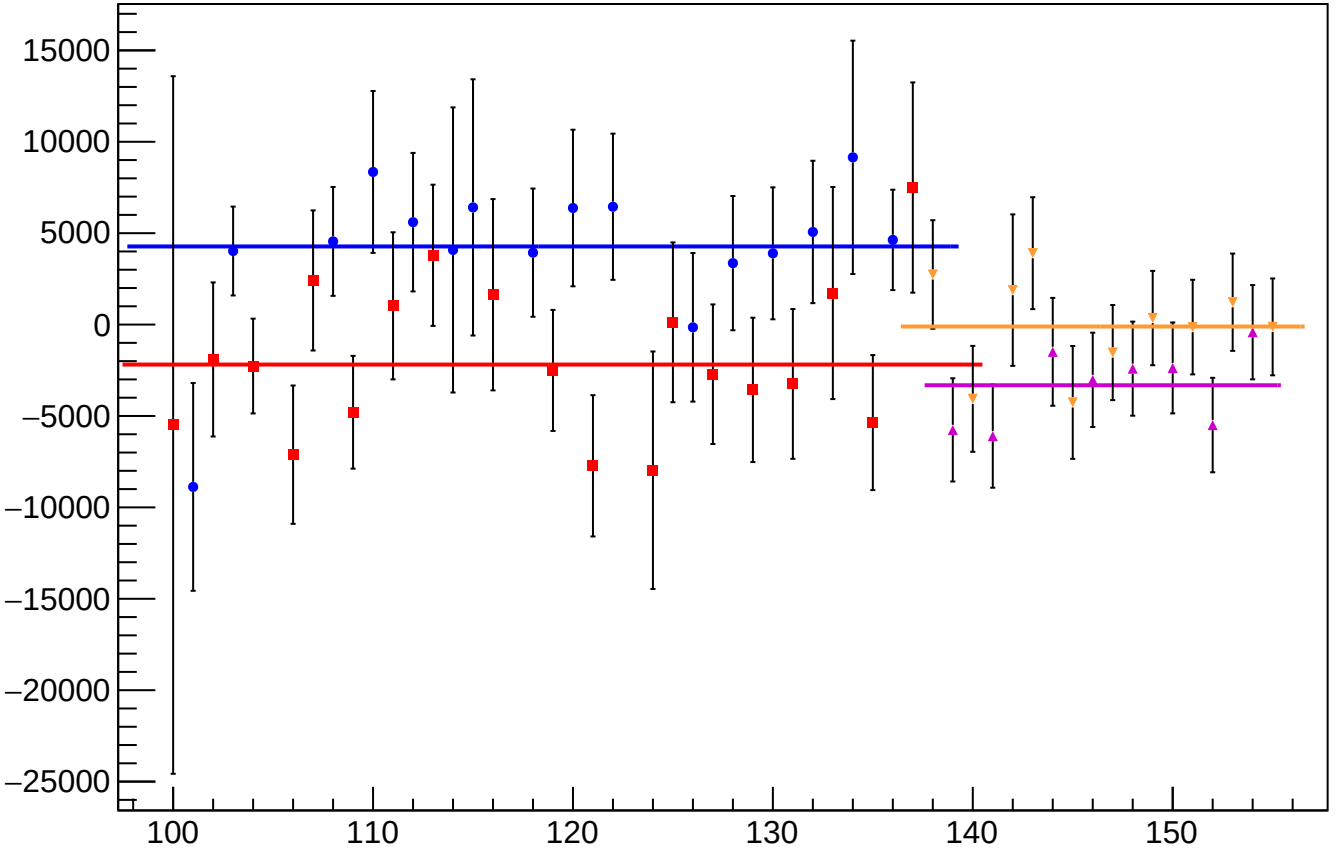
Left In: 7883.528+/-2.135 χ^2/NDF:325431.0/7

+ sign 7874.179+/-1.469 χ^2/NDF: 1205383.6/25

All: 7780.117+/-1.042 χ^2/NDF: 2691171.0/52

- sign 7685.014+/-1.477 χ^2/NDF: 1477542.6/26

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -106.369+/-900.308 χ^2/NDF:7.1/9

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

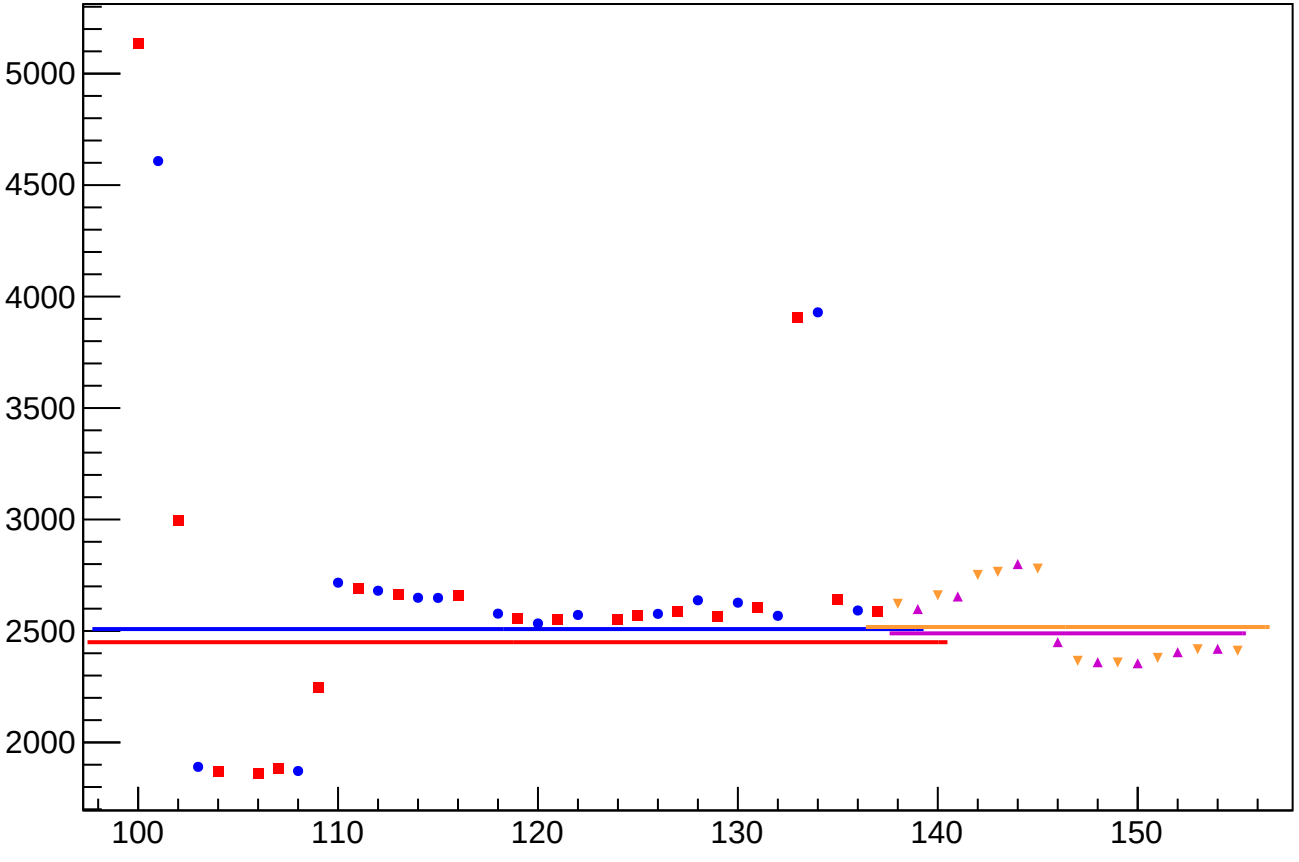
Left In: -3319.368+/-941.055 χ^2/NDF:4.4/7

+ sign 1961.724+/-654.111 χ^2/NDF: 27.2/25

All: -373.766+/-464.115 χ^2/NDF: 72.8/52

- sign -2741.614+/-658.627 χ^2/NDF: 19.9/26

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2517.692+/-0.637 χ^2/NDF:67320.1/9

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

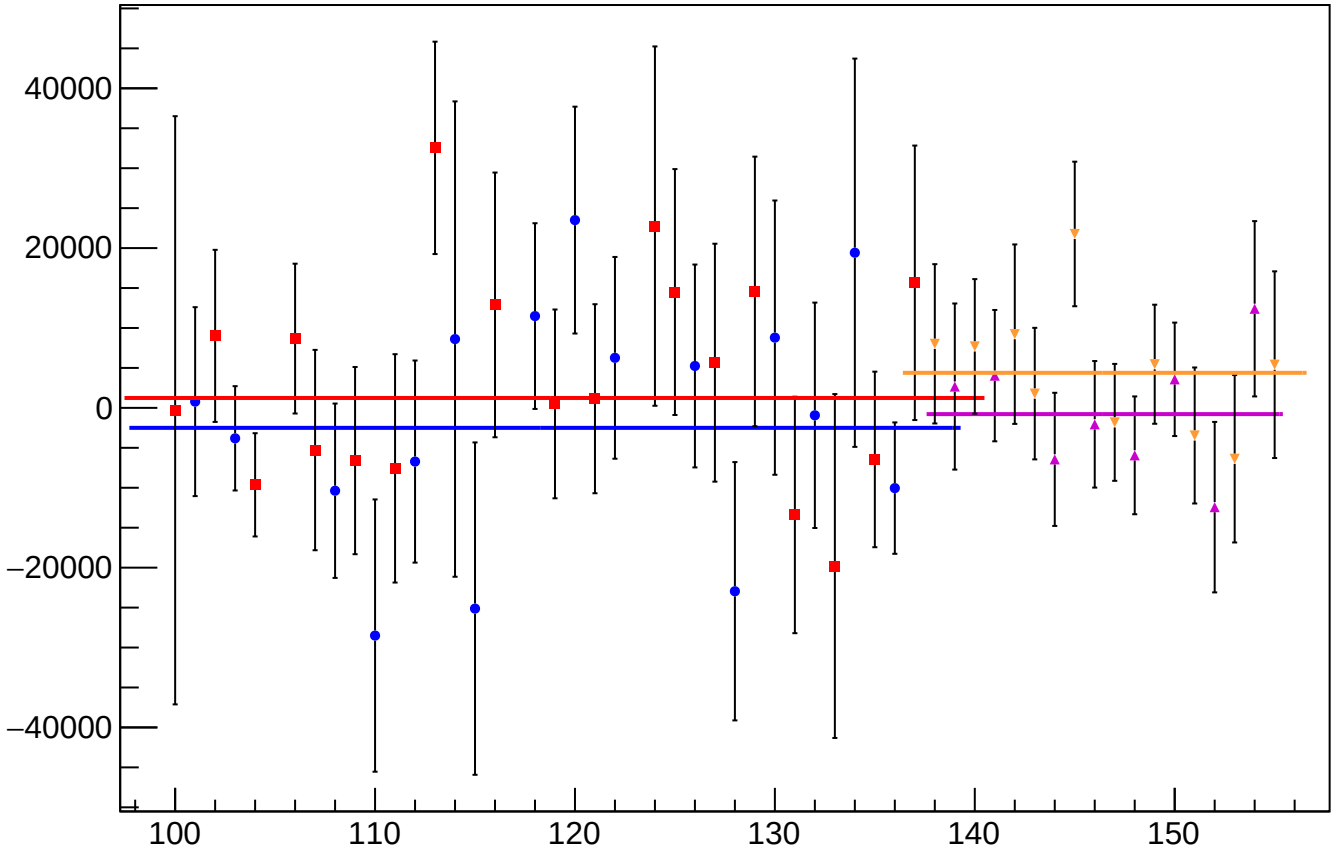
Left In: 2489.266+/-0.665 χ^2/NDF:46954.4/7

+ sign 2513.337+/-0.463 χ^2/NDF: 679006.7/25

All: 2491.348+/-0.328 χ^2/NDF: 1169167.9/52

- sign 2469.054+/-0.466 χ^2/NDF: 485609.6/26

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 4388.349+/-2817.477 χ^2/NDF:6.9/9

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

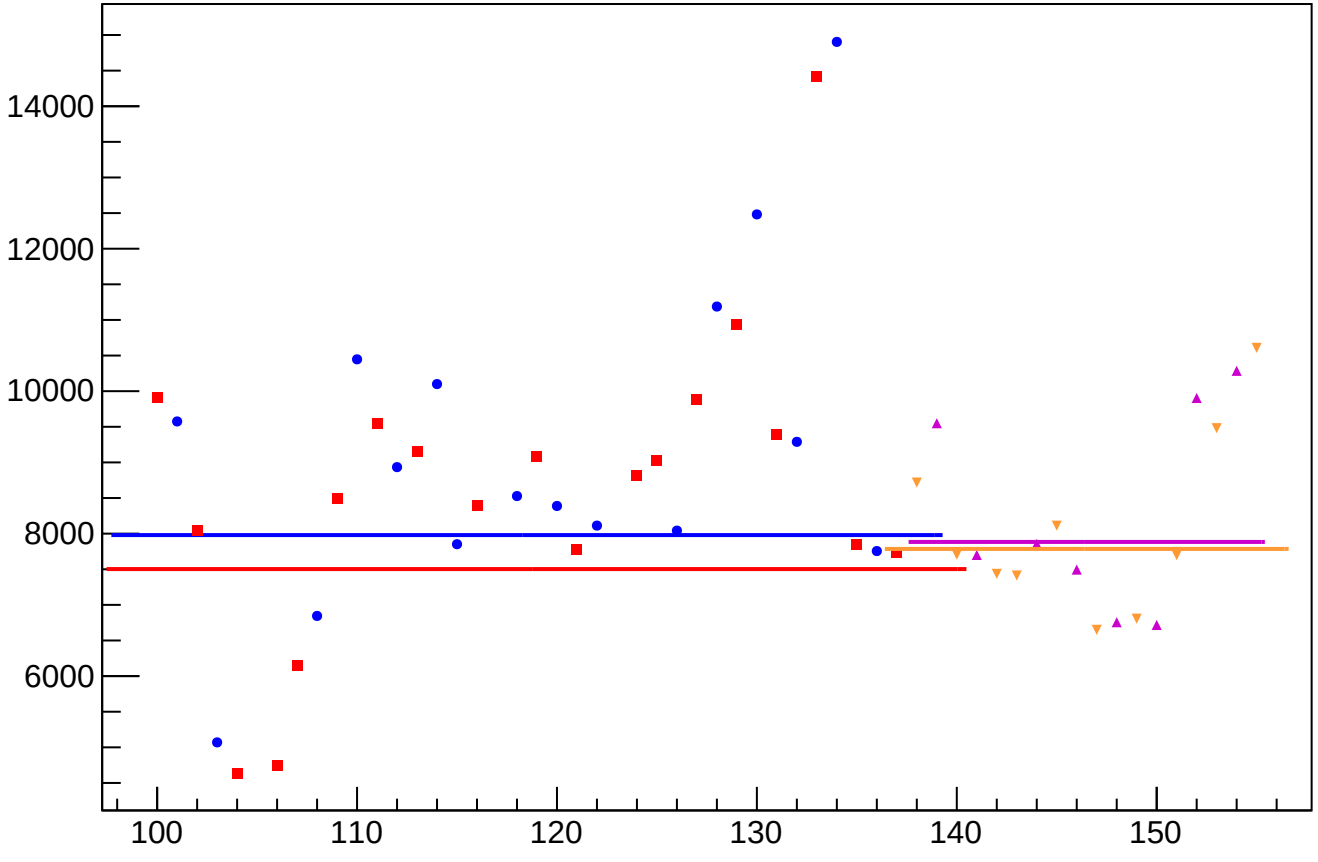
Left In: -781.264+/-3019.155 χ^2/NDF:4.4/7

+ sign 1245.217+/-2077.549 χ^2/NDF: 23.4/25

All: 761.416+/-1473.084 χ^2/NDF: 44.8/52

- sign 272.262+/-2089.010 χ^2/NDF: 21.3/26

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7785.537+/-1.992 χ^2/NDF:278259.5/9

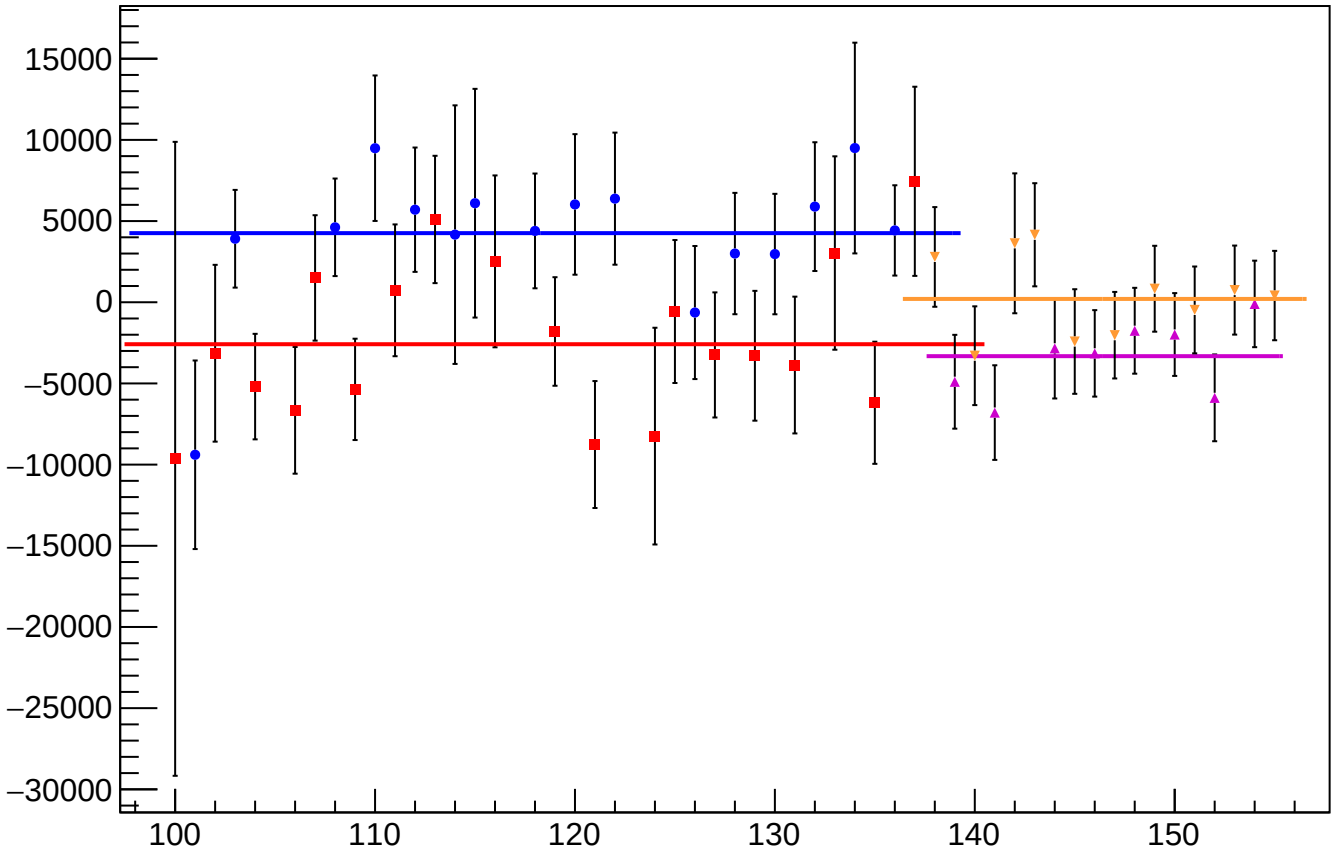
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7883.528+/-2.135 χ^2/NDF:325431.0/7

+ sign 7874.179+/-1.469 χ^2/NDF: 1205383.6/25

All: 7780.117+/-1.042 χ^2/NDF: 2691171.0/52

- sign 7685.014+/-1.477 χ^2/NDF: 1477542.6/26



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 204.876+/-931.660 χ^2/NDF:5.7/9

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

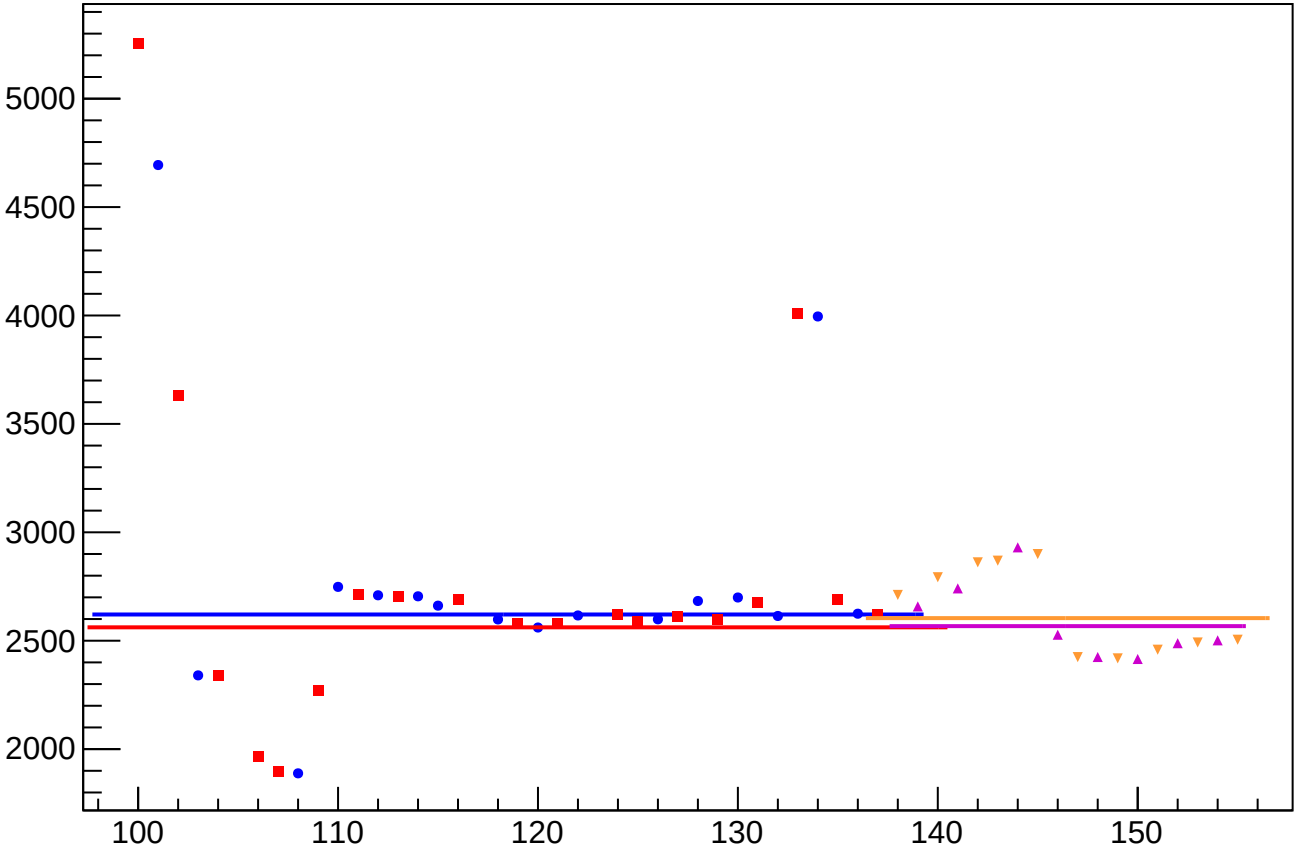
Left In: -3320.762+/-970.811 χ^2/NDF:4.8/7

+ sign 2106.918+/-678.645 χ^2/NDF: 24.7/25

All: -399.252+/-482.028 χ^2/NDF: 74.9/52

- sign -2950.916+/-684.777 χ^2/NDF: 22.7/26

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2604.222+/-0.659 χ^2/NDF:78856.9/9

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

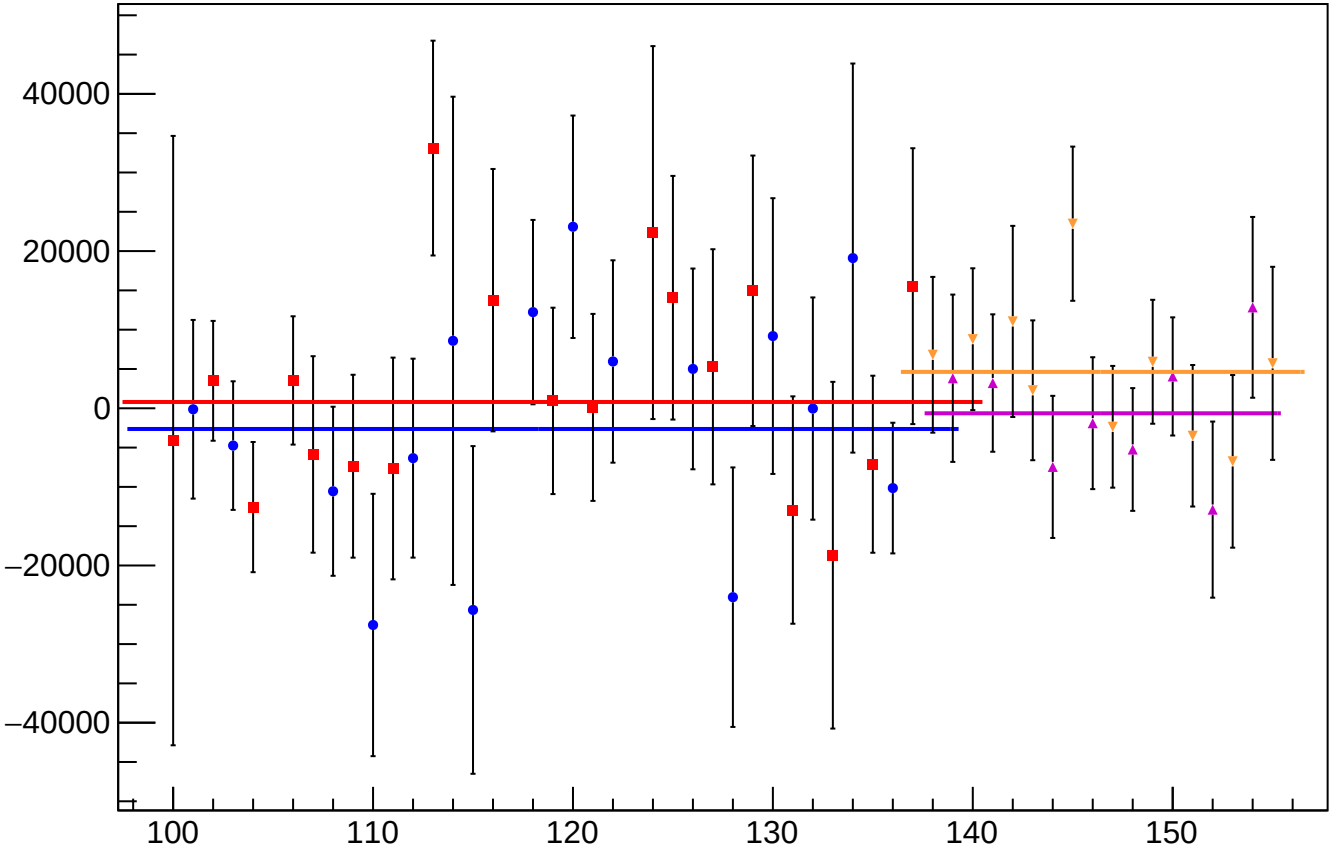
Left In: 2567.278+/-0.686 χ^2/NDF:53043.1/7

+ sign 2612.080+/-0.480 χ^2/NDF: 565074.2/25

All: 2588.489+/-0.341 χ^2/NDF: 1001286.0/52

- sign 2564.483+/-0.484 χ^2/NDF: 431335.5/26

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 4630.517+/-2984.332 χ^2/NDF:7.0/9

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

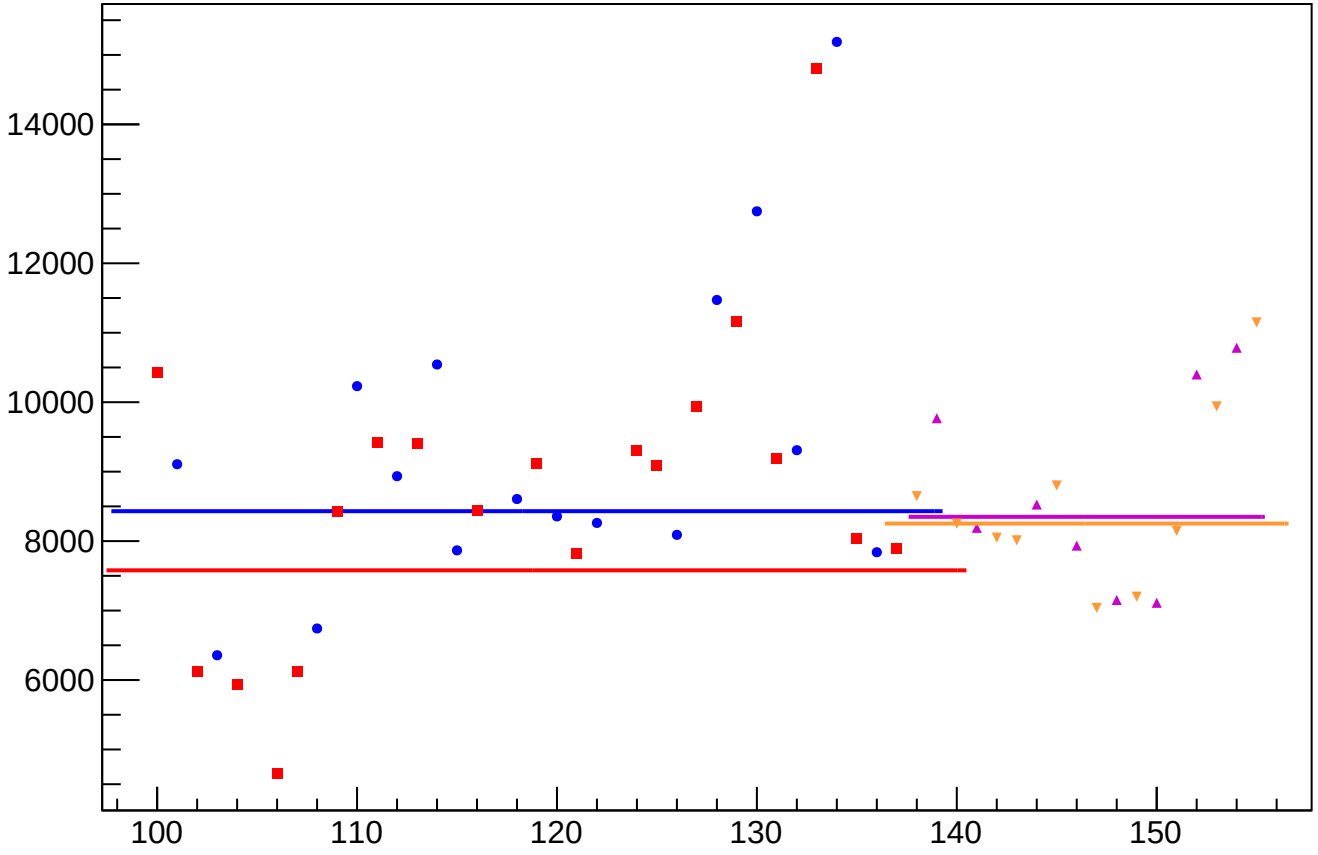
Left In: -635.707+/-3194.833 χ^2/NDF:4.3/7

+ sign 1265.221+/-2186.146 χ^2/NDF: 23.6/25

All: 699.693+/-1527.888 χ^2/NDF: 43.5/52

- sign 159.690+/-2136.238 χ^2/NDF: 19.8/26

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8252.555+/-2.110 χ^2/NDF:254957.7/9

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

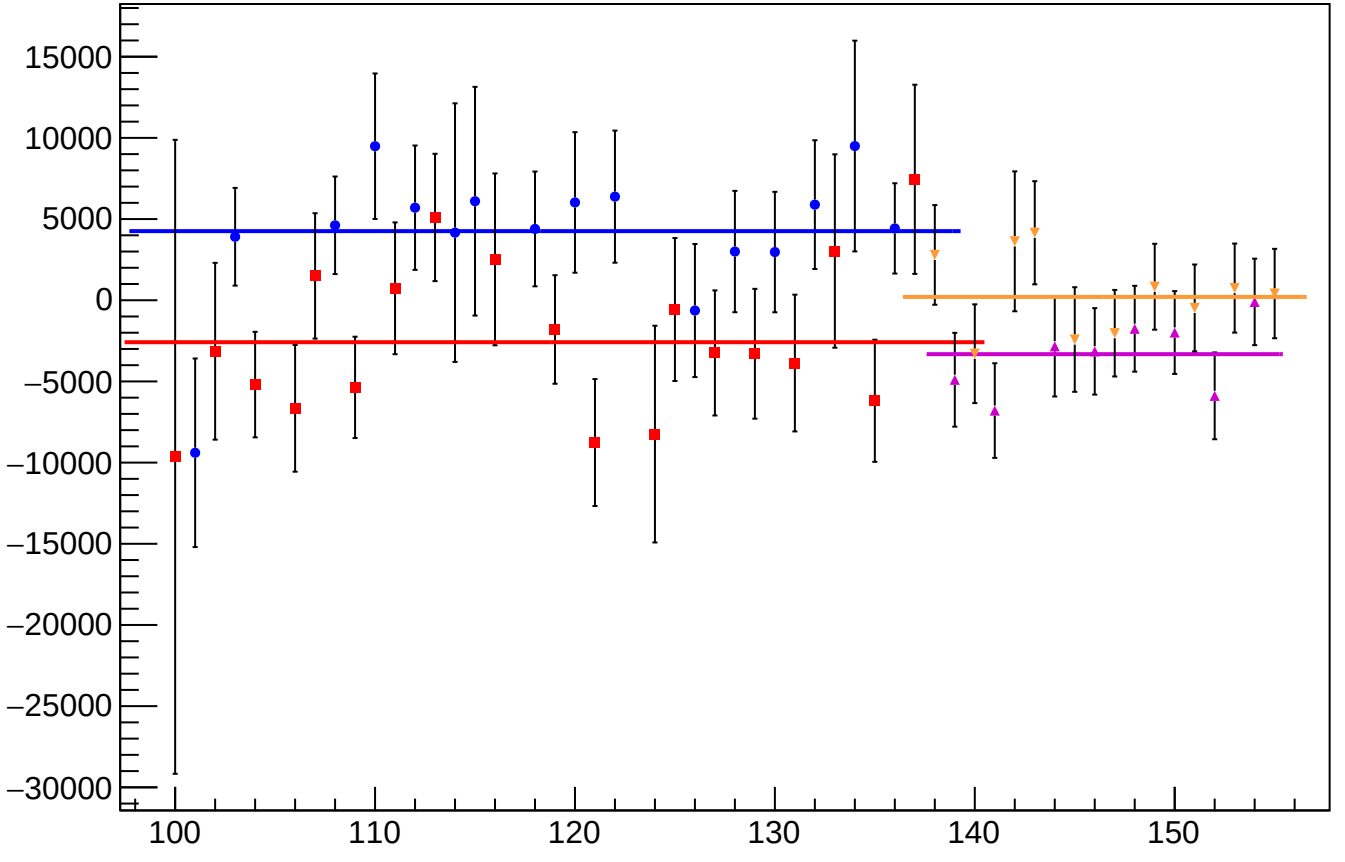
Left In: 8349.299+/-2.259 χ^2/NDF:299608.7/7

+ sign 8335.136+/-1.546 χ^2/NDF: 838557.7/25

All: 8124.546+/-1.080 χ^2/NDF: 2212837.8/52

- sign 7923.461+/-1.511 χ^2/NDF: 1338000.4/26

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 204.864+/-931.661 χ^2/NDF:5.7/9

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

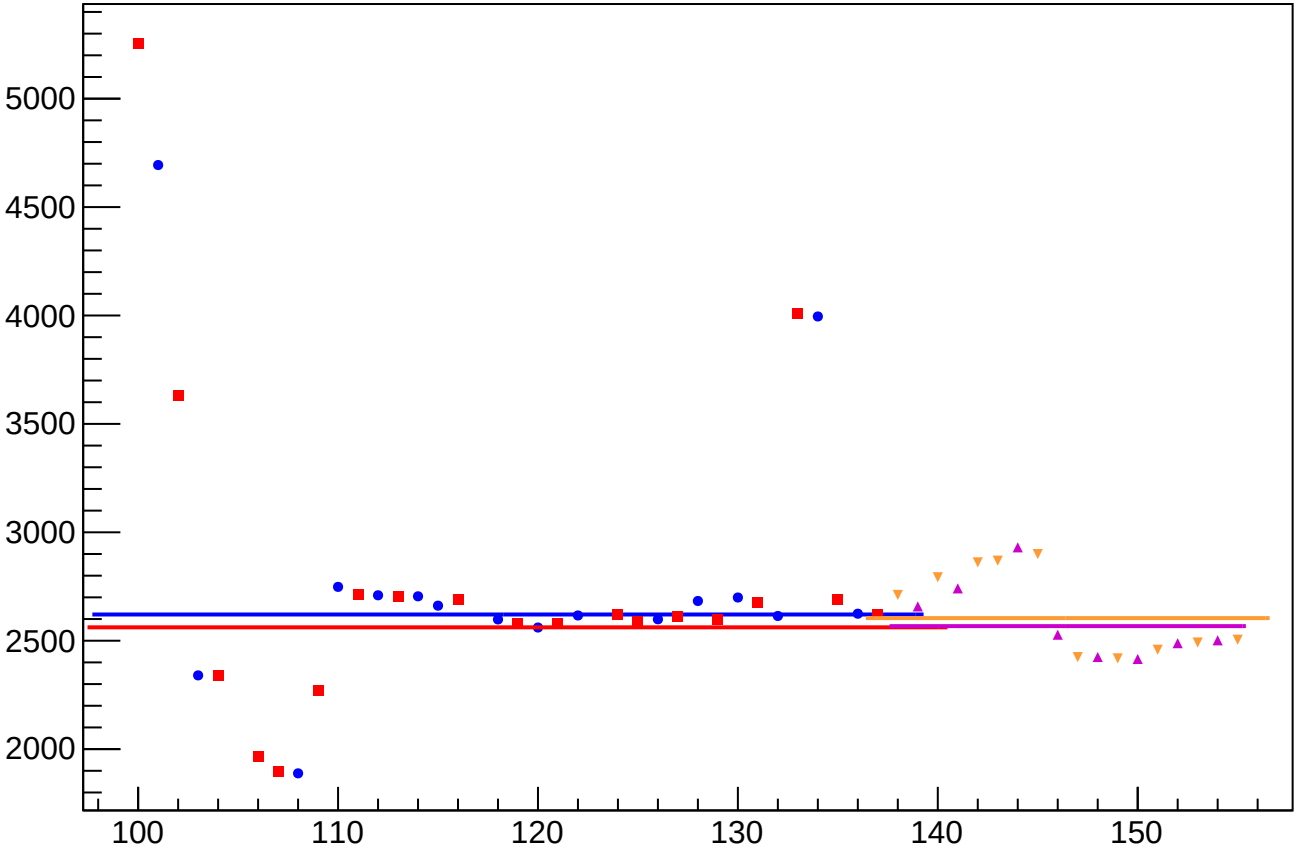
Left In: -3320.756+/-970.811 χ^2/NDF:4.8/7

+ sign 2106.917+/-678.645 χ^2/NDF: 24.7/25

All: -399.253+/-482.028 χ^2/NDF: 74.9/52

- sign -2950.917+/-684.777 χ^2/NDF: 22.7/26

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2604.223+/-0.659 χ^2/NDF:78857.2/9

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

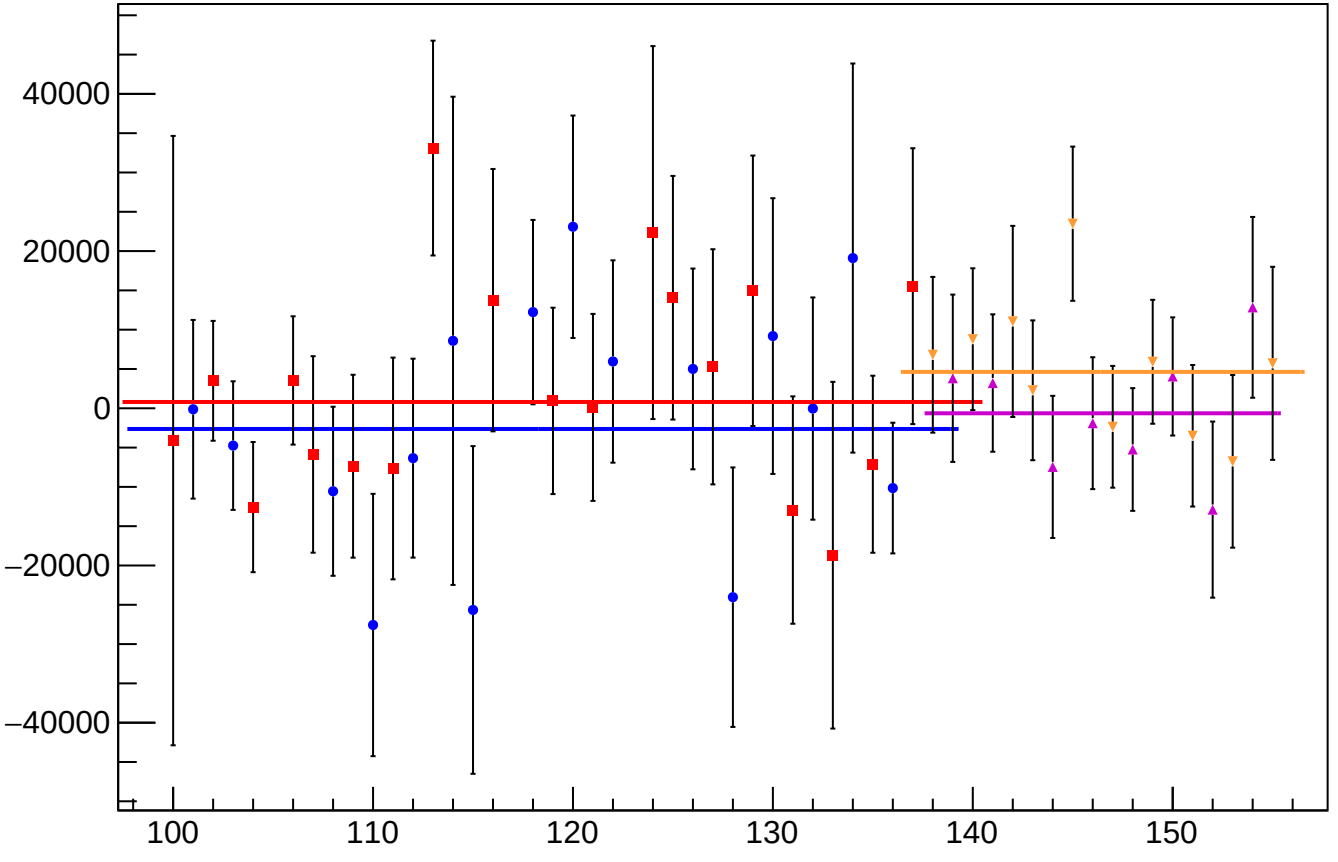
Left In: 2567.280+/-0.686 χ^2/NDF:53042.9/7

+ sign 2612.081+/-0.480 χ^2/NDF: 565074.6/25

All: 2588.489+/-0.341 χ^2/NDF: 1001285.6/52

- sign 2564.484+/-0.484 χ^2/NDF: 431334.8/26

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 4630.511+/-2984.336 χ^2/NDF:7.0/9

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

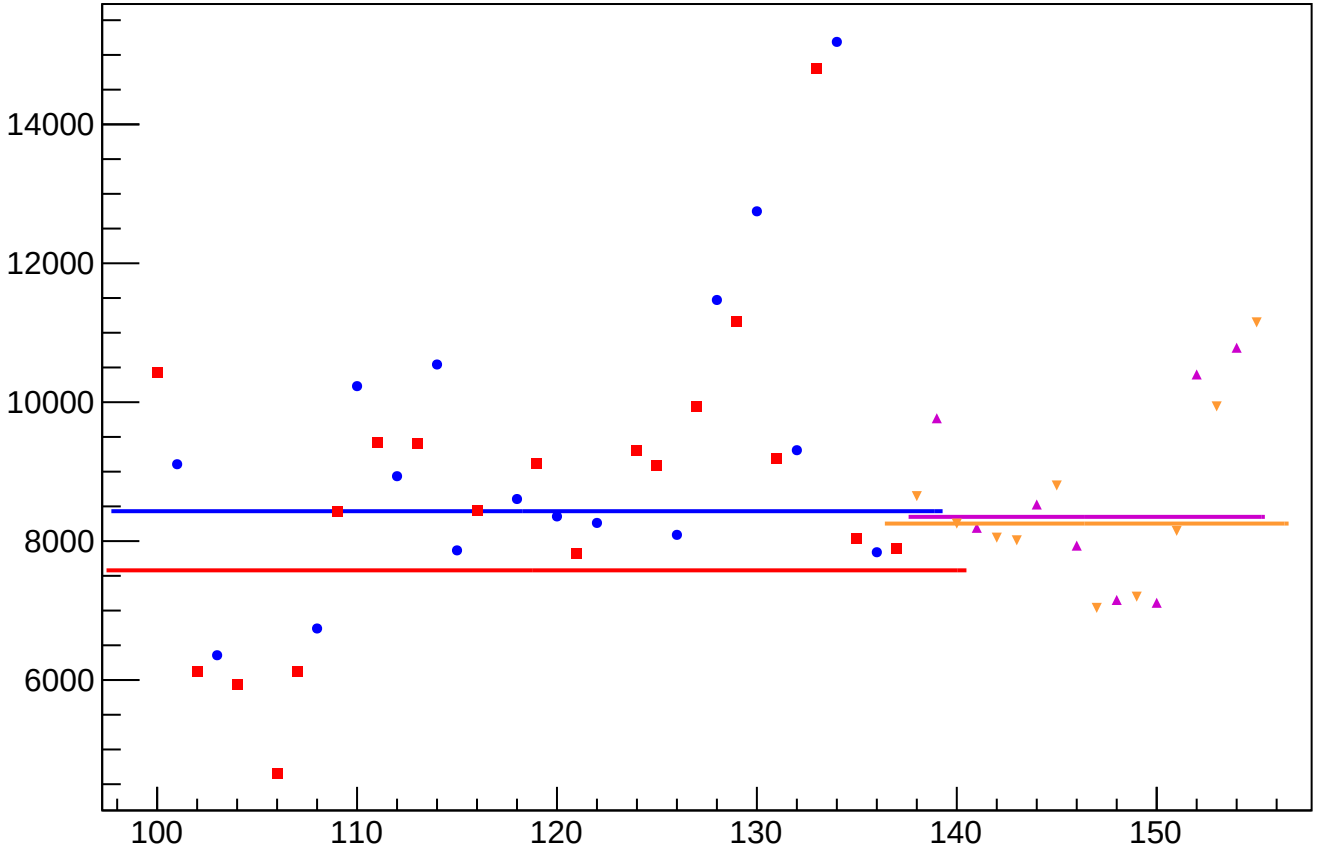
Left In: -635.700+/-3194.837 χ^2/NDF:4.3/7

+ sign 1265.225+/-2186.146 χ^2/NDF: 23.6/25

All: 699.696+/-1527.888 χ^2/NDF: 43.5/52

- sign 159.693+/-2136.238 χ^2/NDF: 19.8/26

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8252.566+/-2.110 χ^2/NDF:254956.7/9

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

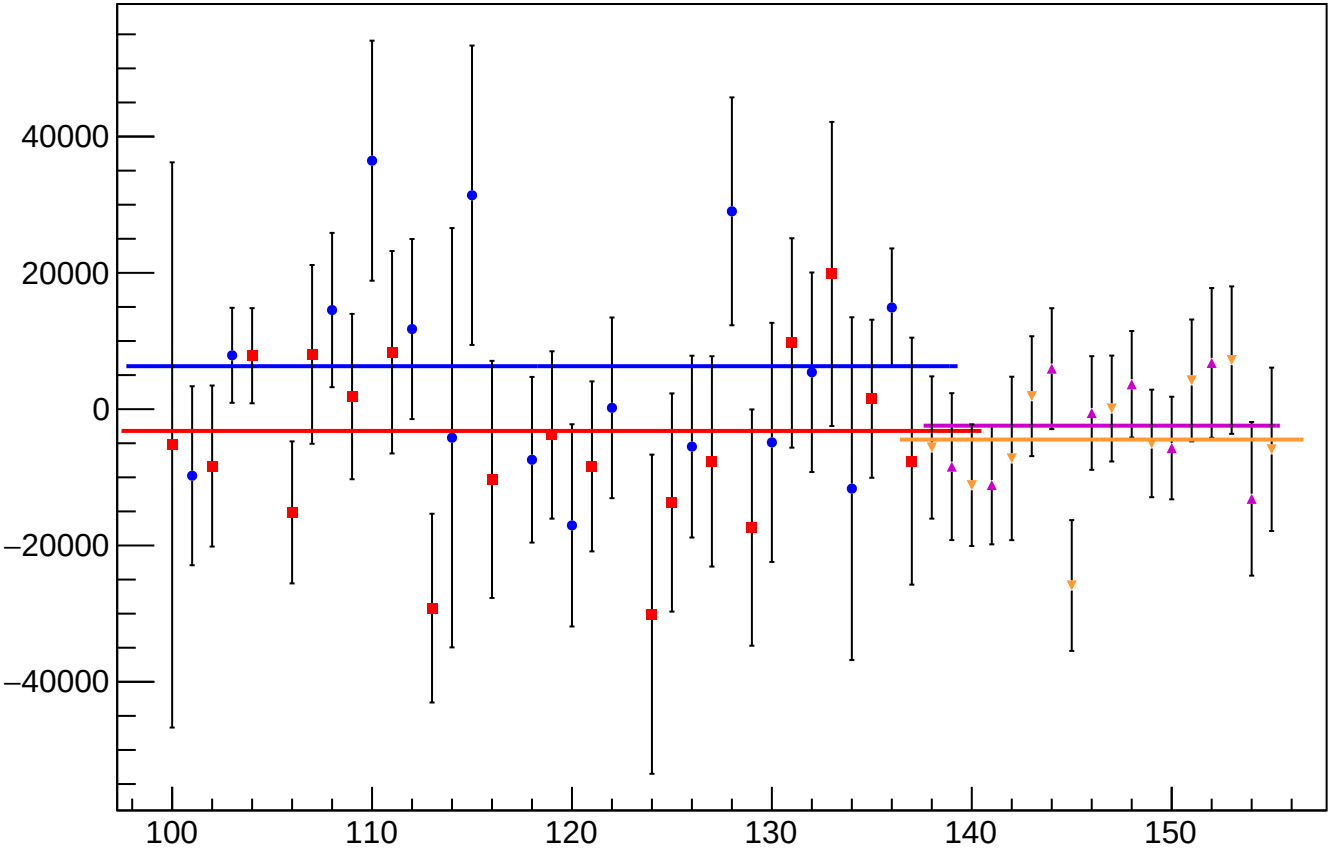
Left In: 8349.310+/-2.259 χ^2/NDF:299607.0/7

+ sign 8335.138+/-1.546 χ^2/NDF: 838550.1/25

All: 8124.545+/-1.080 χ^2/NDF: 2212829.5/52

- sign 7923.459+/-1.511 χ^2/NDF: 1337998.9/26

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -4458.634+/-2972.851 χ^2/NDF:8.6/9

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

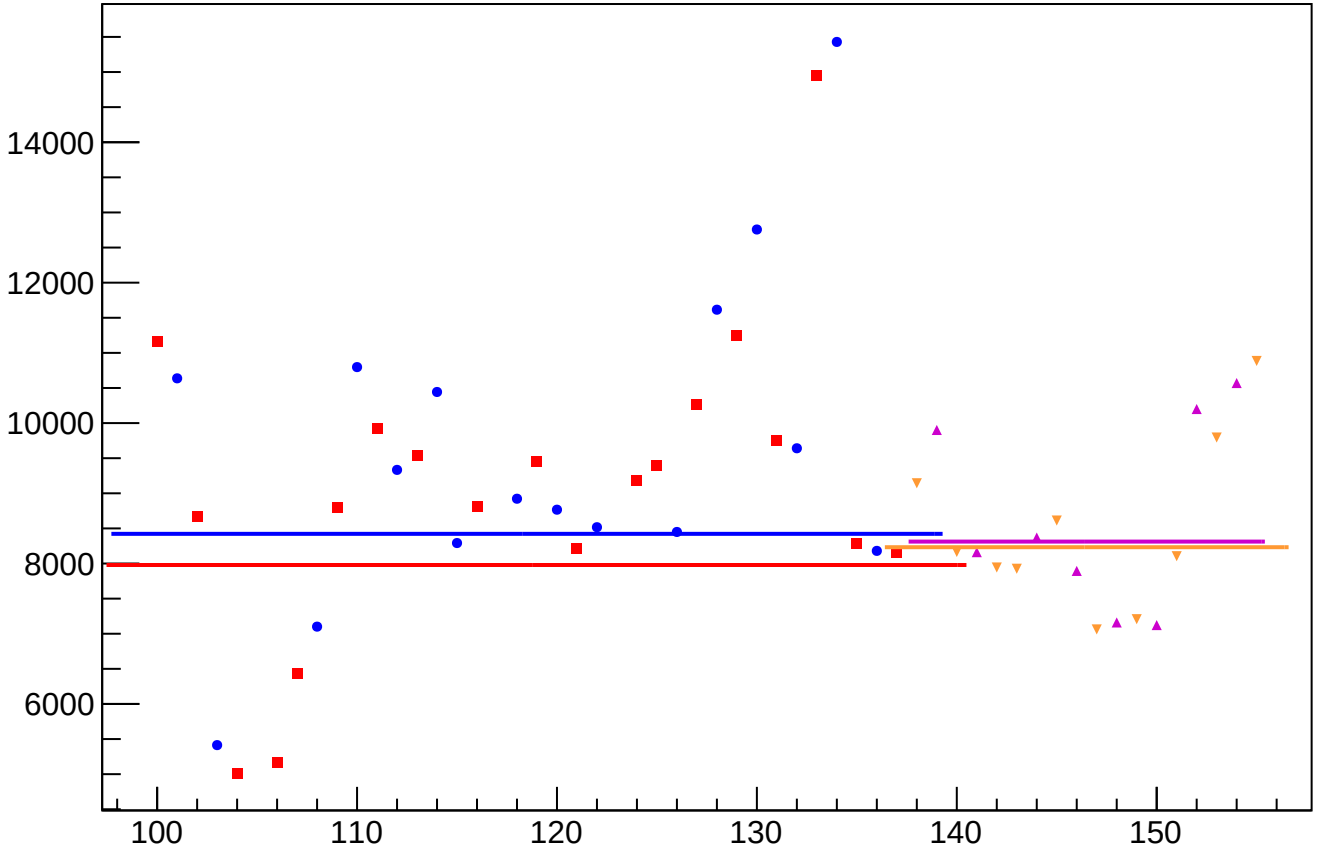
Left In: -2421.372+/-3176.668 χ^2/NDF:4.7/7

+ sign 462.626+/-2190.397 χ^2/NDF: 29.7/25

All: -1165.575+/-1554.703 χ^2/NDF: 49.4/52

- sign -2818.644+/-2207.061 χ^2/NDF: 18.6/26

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8232.210+/-2.102 χ^2/NDF:241315.1/9

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

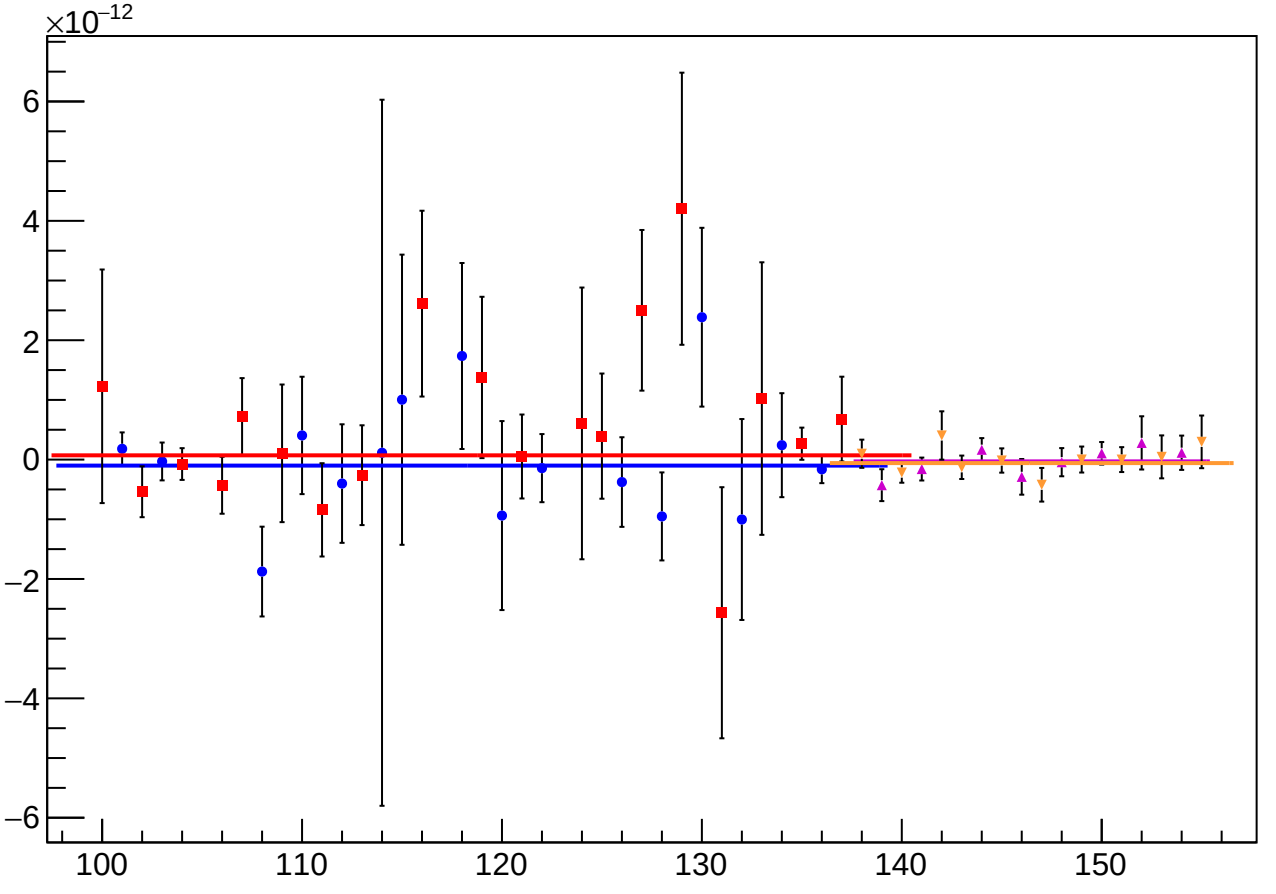
Left In: 8312.373+/-2.246 χ^2/NDF:281901.6/7

+ sign 8319.296+/-1.549 χ^2/NDF: 1126903.5/25

All: 8230.285+/-1.099 χ^2/NDF: 2442874.4/52

- sign 8139.918+/-1.561 χ^2/NDF: 1309315.2/26

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:5.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

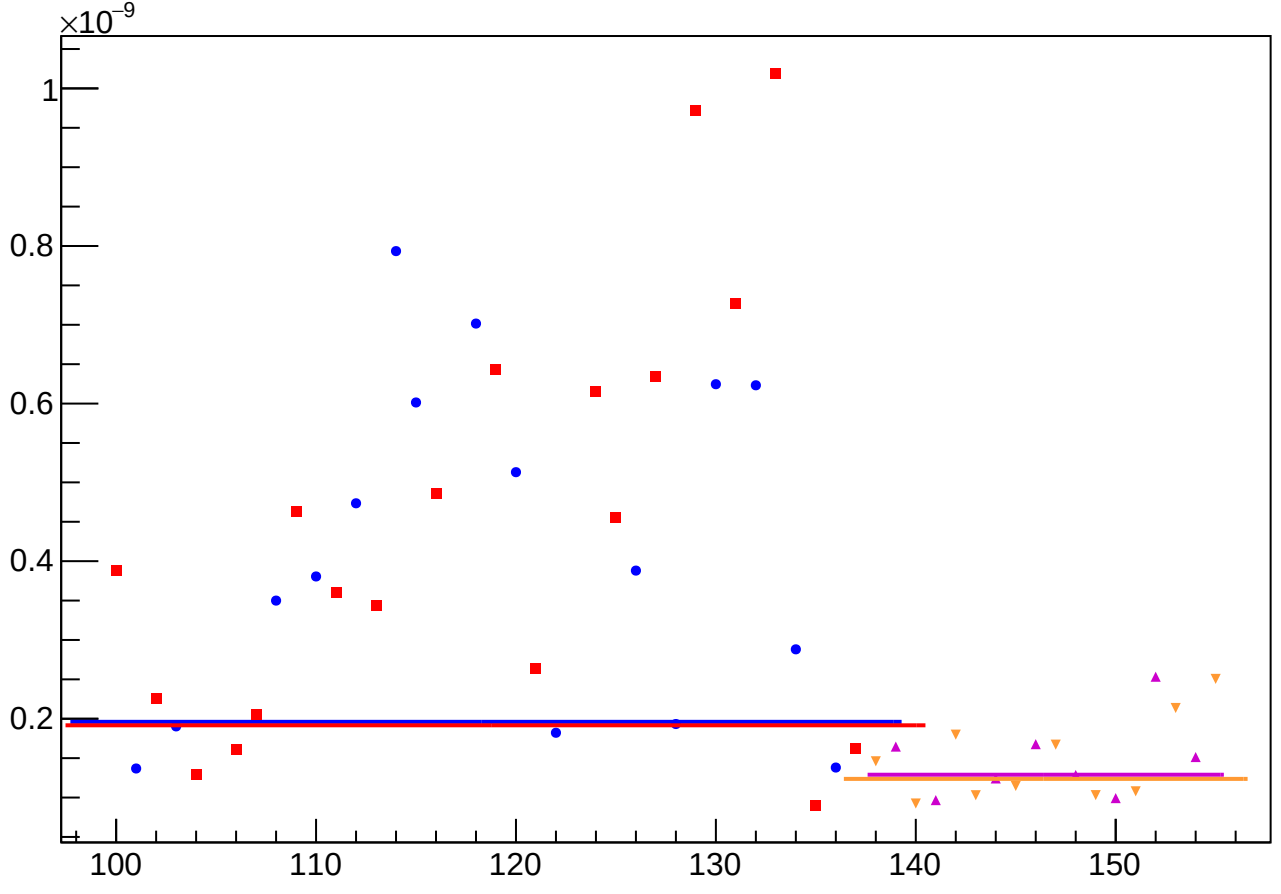
Left In: -0.000+/-0.000 χ^2/NDF:5.7/7

+ sign -0.000+/-0.000 χ^2/NDF: 19.1/25

All: -0.000+/-0.000 χ^2/NDF: 45.2/52

- sign -0.000+/-0.000 χ^2/NDF: 25.7/26

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:517942.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

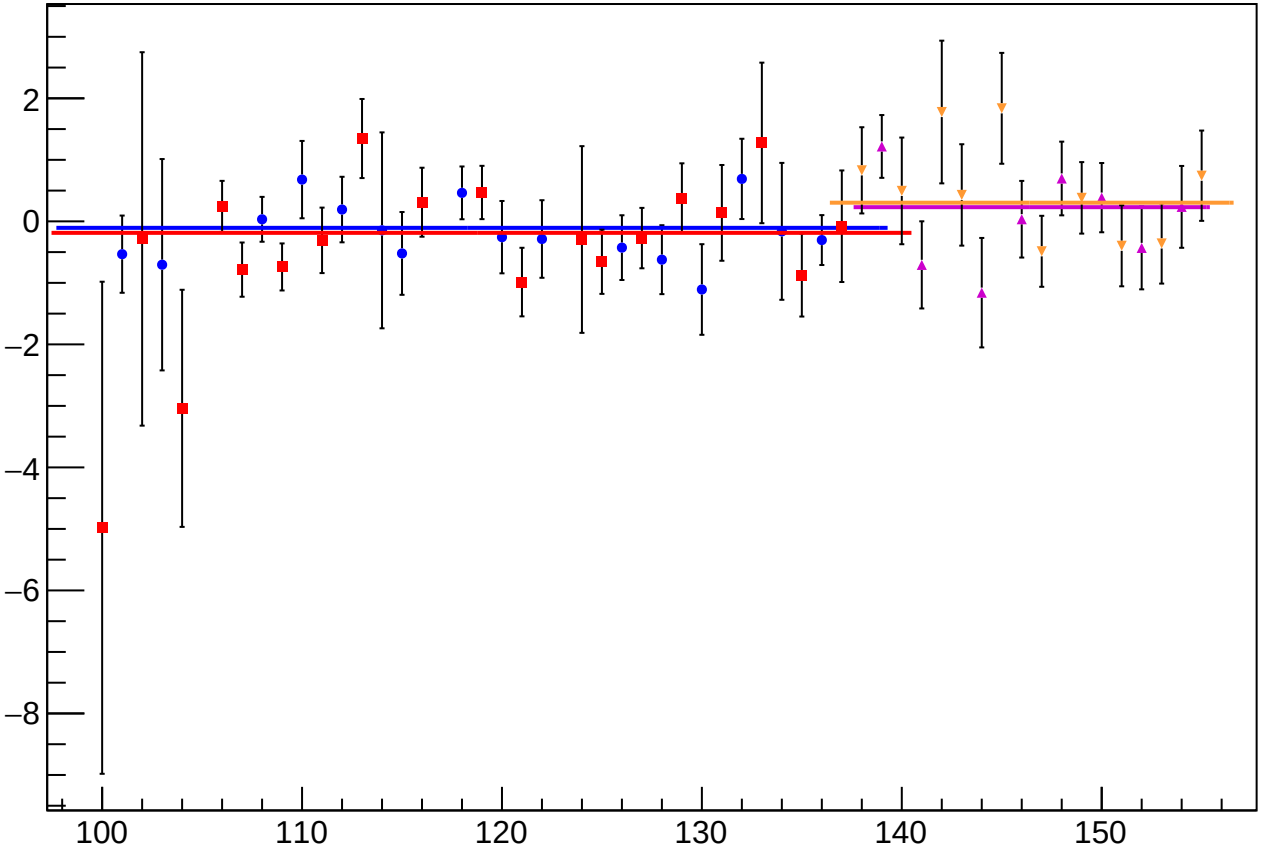
Left In: 0.000+/-0.000 χ^2/NDF:344108.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 2303565.6/25

All: 0.000+/-0.000 χ^2/NDF: 5016421.0/52

- sign 0.000+/-0.000 χ^2/NDF: 2707926.5/26

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.303+/-0.228 χ^2/NDF:9.6/9

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

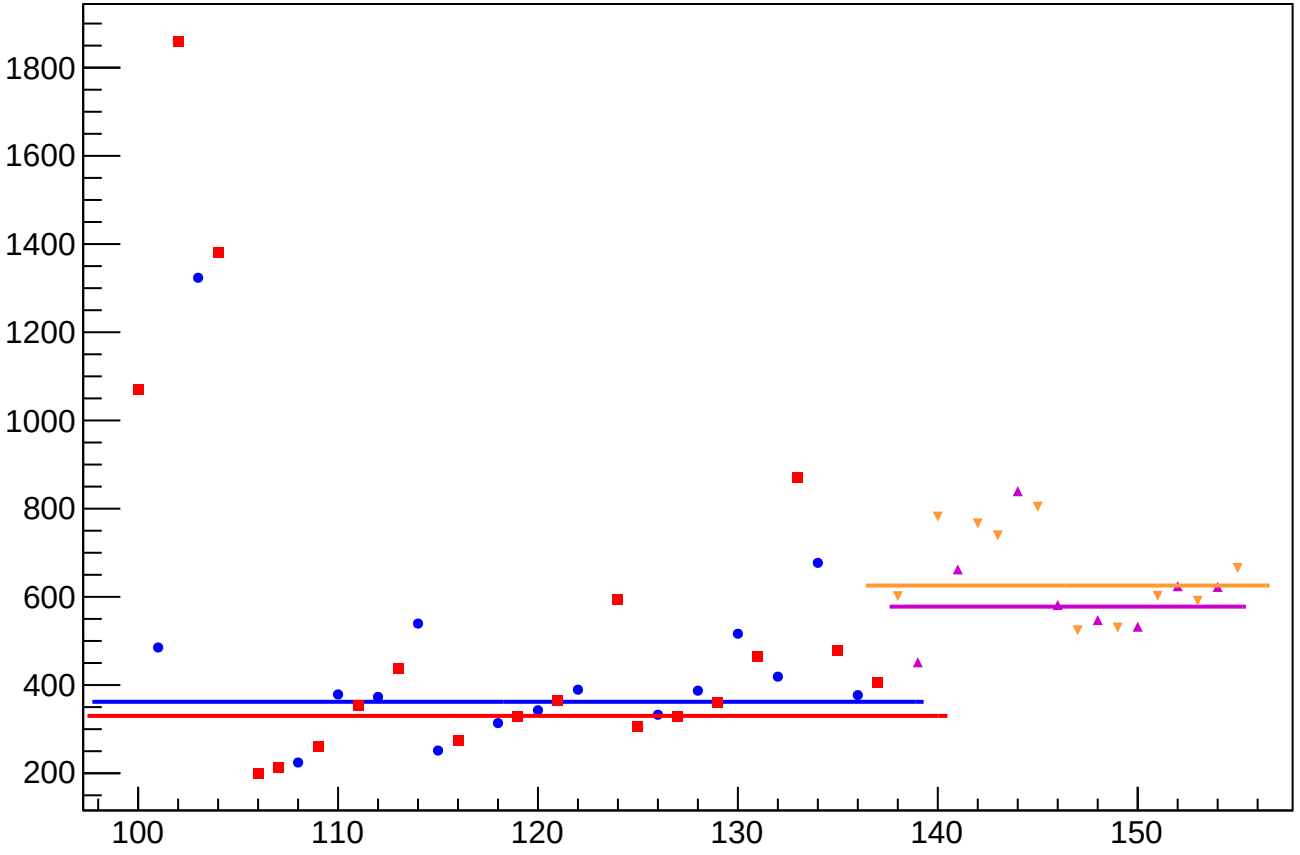
Left In: 0.230+/-0.223 χ^2/NDF:9.7/7

+ sign 0.012+/-0.122 χ^2/NDF: 21.6/25

All: -0.032+/-0.084 χ^2/NDF: 57.9/52

- sign -0.072+/-0.117 χ^2/NDF: 36.1/26

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 625.701+/-0.161 χ^2/NDF:343392.1/9

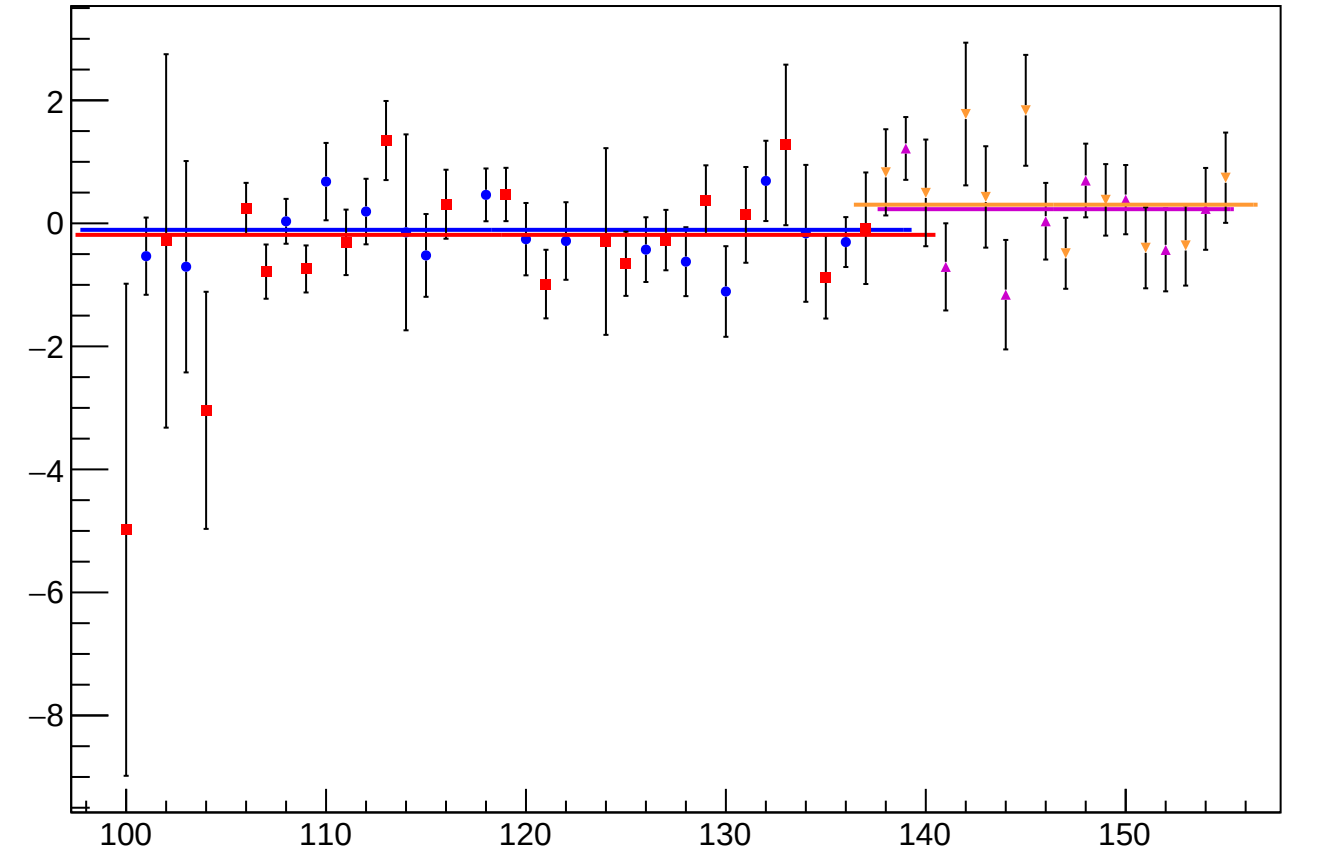
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 577.819+/-0.158 χ^2/NDF:360395.1/7

+ sign 437.868+/-0.086 χ^2/NDF: 3630925.6/25

All: 417.177+/-0.060 χ^2/NDF: 8134822.0/52

- sign 398.180+/-0.083 χ^2/NDF: 4393767.6/26



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.303+/-0.228 χ^2/NDF:9.6/9

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

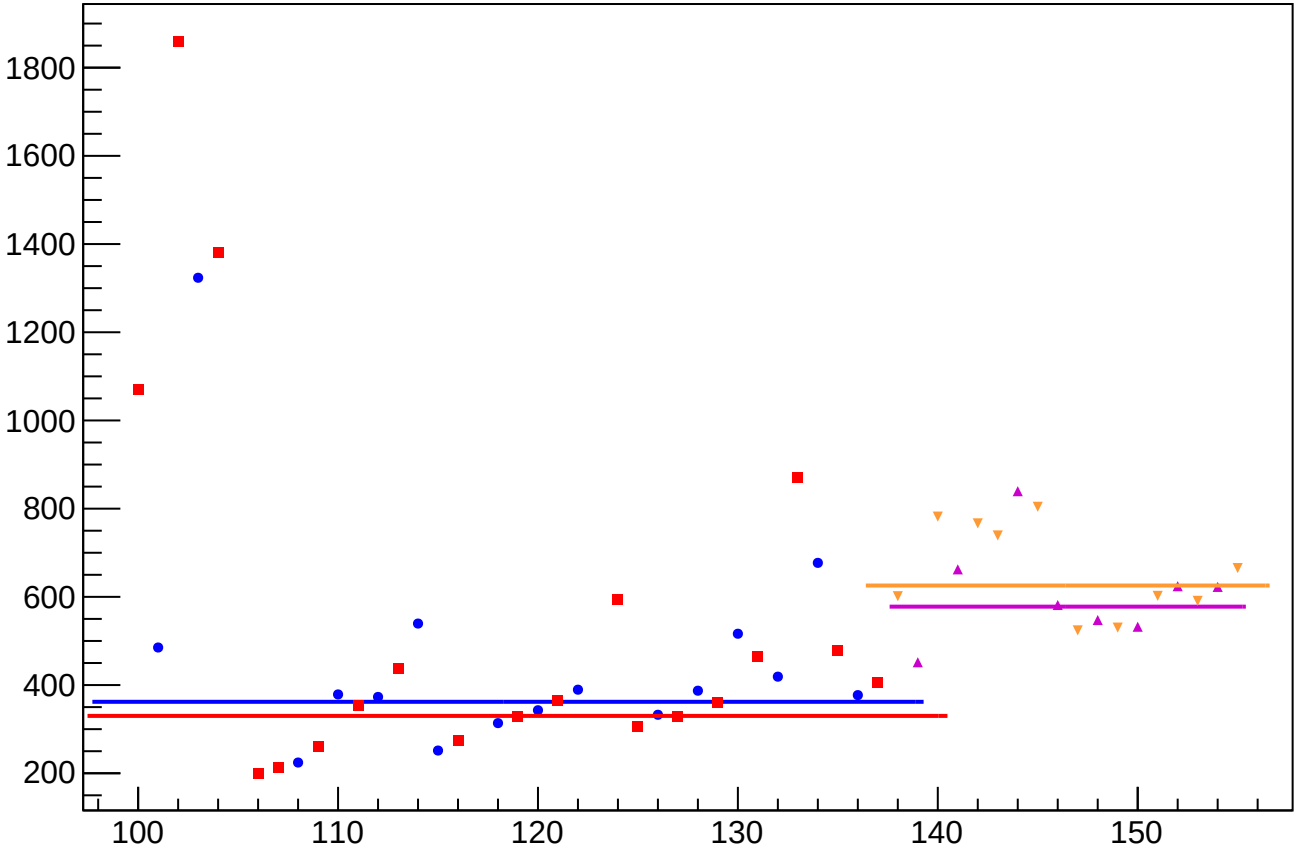
Left In: 0.230+/-0.223 χ^2/NDF:9.7/7

+ sign 0.012+/-0.122 χ^2/NDF: 21.6/25

All: -0.032+/-0.084 χ^2/NDF: 57.9/52

- sign -0.072+/-0.117 χ^2/NDF: 36.1/26

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 625.701+/-0.161 χ^2/NDF:343392.1/9

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

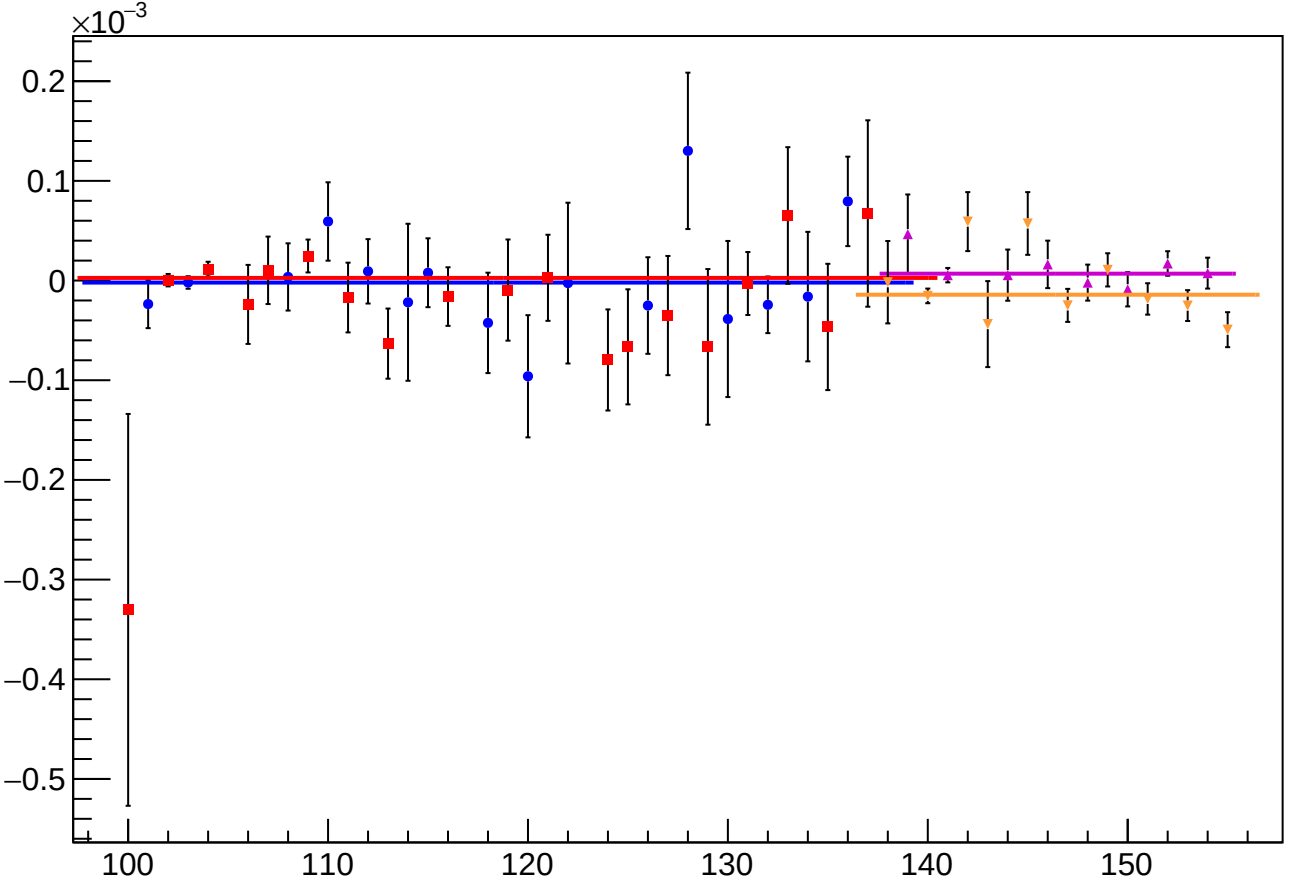
Left In: 577.819+/-0.158 χ^2/NDF:360395.1/7

+ sign 437.868+/-0.086 χ^2/NDF: 3630925.6/25

All: 417.177+/-0.060 χ^2/NDF: 8134822.0/52

- sign 398.180+/-0.083 χ^2/NDF: 4393767.6/26

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:19.1/9

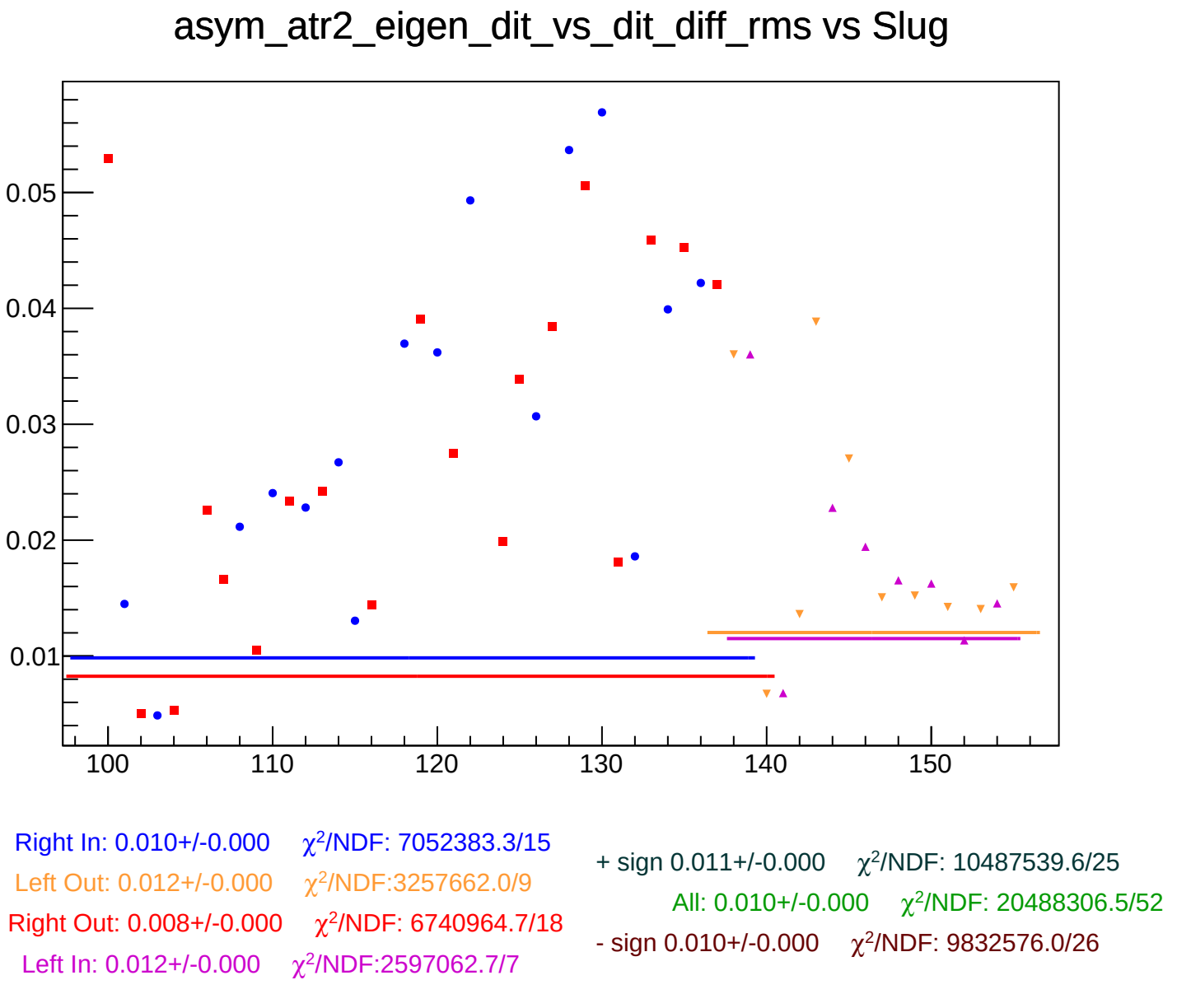
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/7

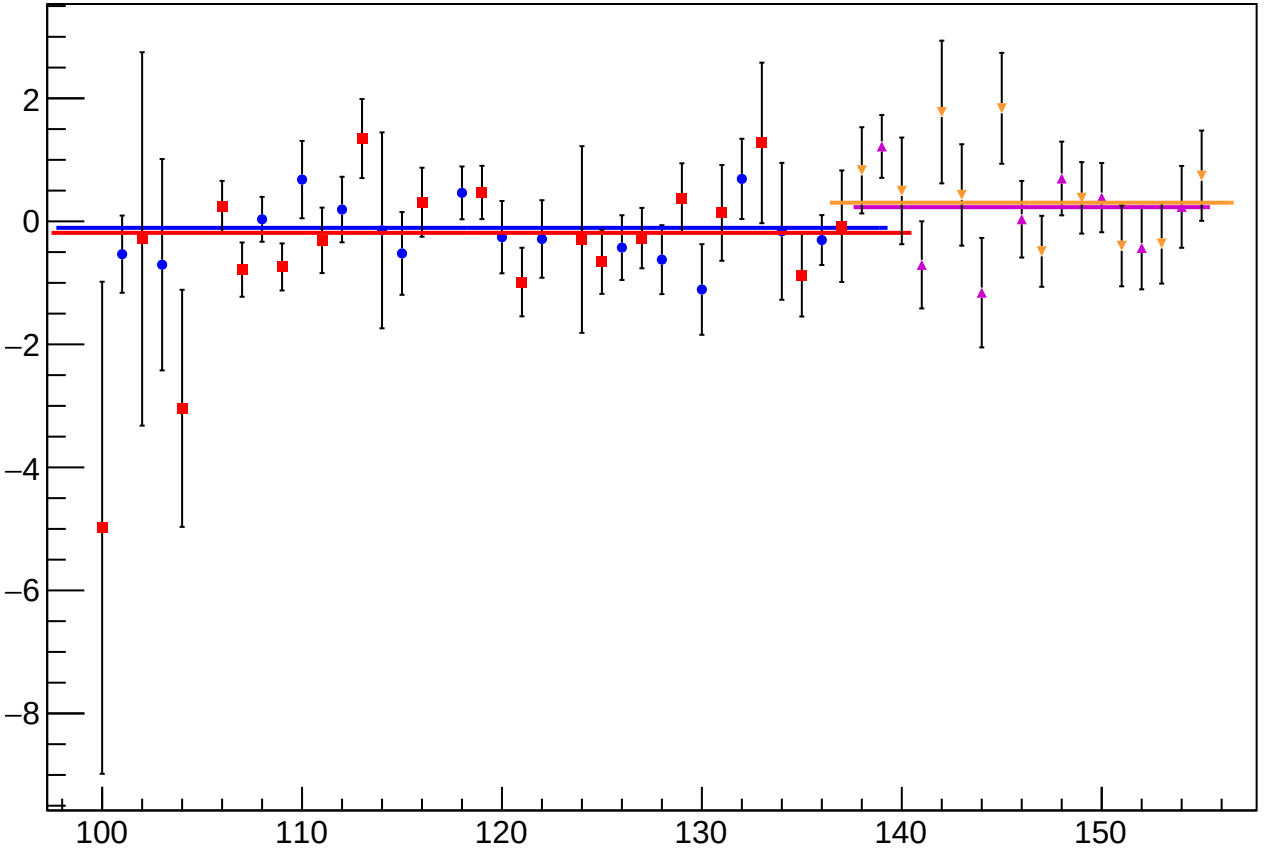
+ sign -0.000+/-0.000 χ^2/NDF: 35.6/25

All: -0.000+/-0.000 χ^2/NDF: 64.4/52

- sign 0.000+/-0.000 χ^2/NDF: 21.6/26


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
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.012+/-0.000 χ²/NDF:3257662.0/9
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.012+/-0.000 χ²/NDF:2597062.7/7
+ sign 0.011+/-0.000 χ²/NDF: 10487539.6/25
All: 0.010+/-0.000 χ²/NDF: 20488306.5/52
- sign 0.010+/-0.000 χ²/NDF: 9832576.0/26

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.303+/-0.228 χ^2/NDF:9.6/9

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

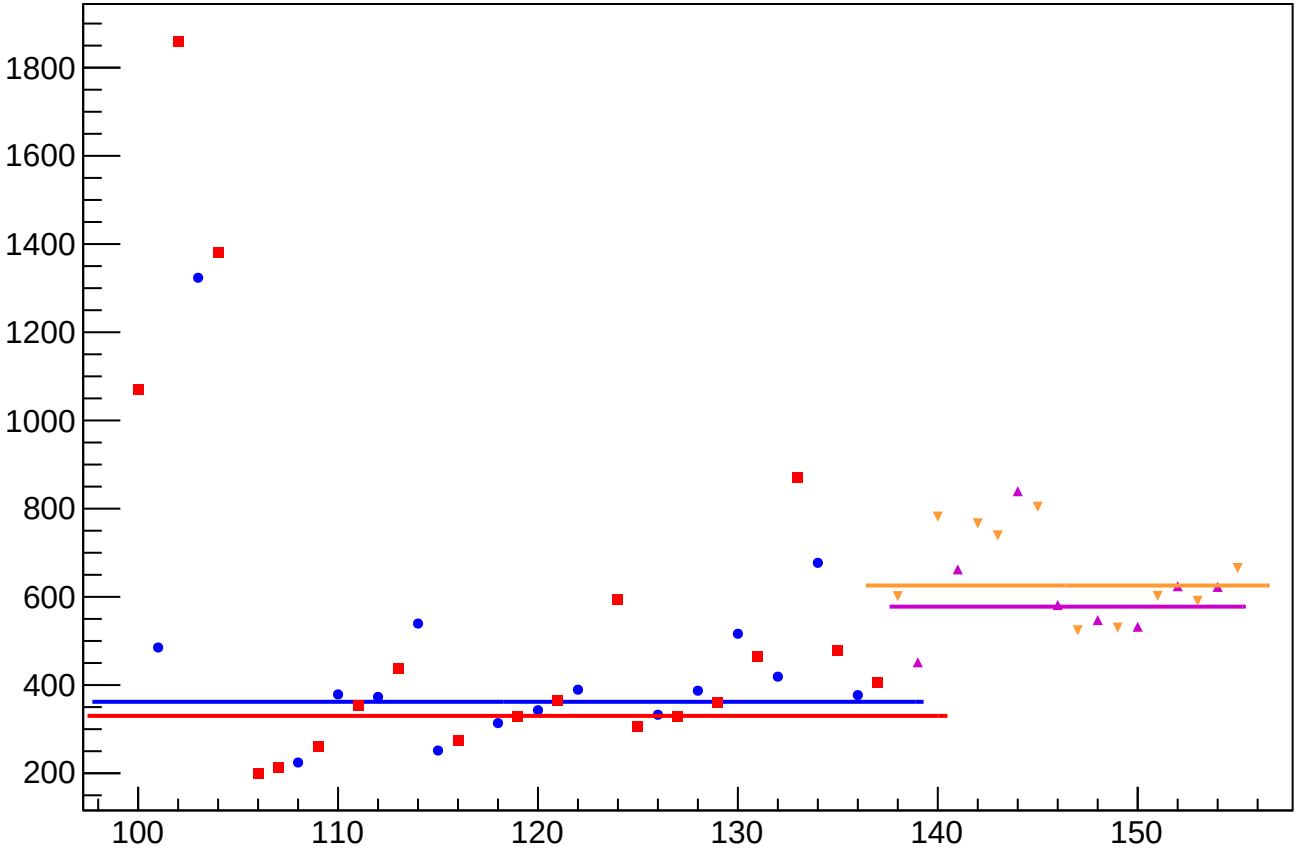
Left In: 0.230+/-0.223 χ^2/NDF:9.7/7

+ sign 0.012+/-0.122 χ^2/NDF: 21.6/25

All: -0.032+/-0.084 χ^2/NDF: 57.9/52

- sign -0.072+/-0.117 χ^2/NDF: 36.1/26

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 625.709+/-0.161 χ^2/NDF:343378.7/9

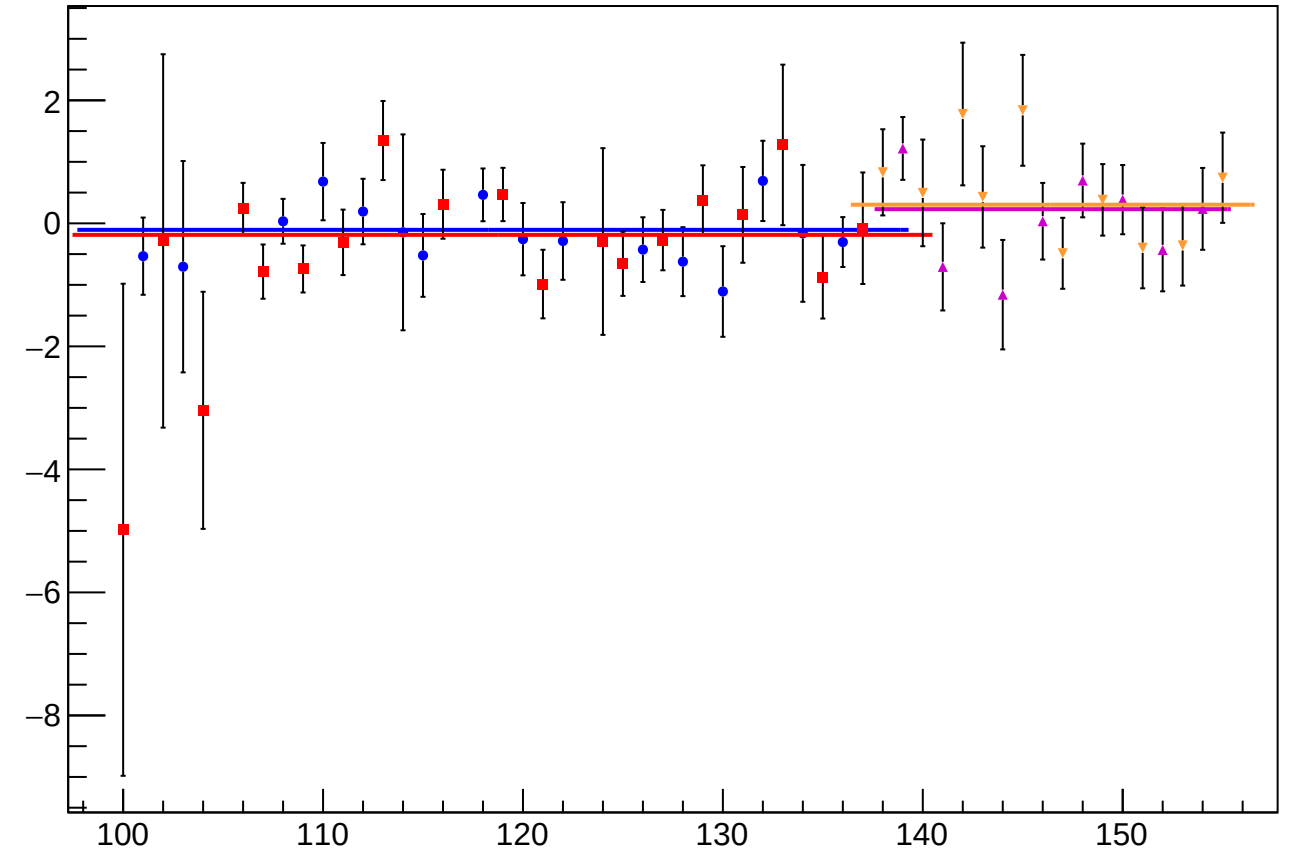
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 577.826+/-0.158 χ^2/NDF:360372.2/7

+ sign 437.866+/-0.086 χ^2/NDF: 3631040.5/25

All: 417.176+/-0.060 χ^2/NDF: 8134998.4/52

- sign 398.179+/-0.083 χ^2/NDF: 4393835.5/26



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.303+/-0.228 χ^2/NDF:9.6/9

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

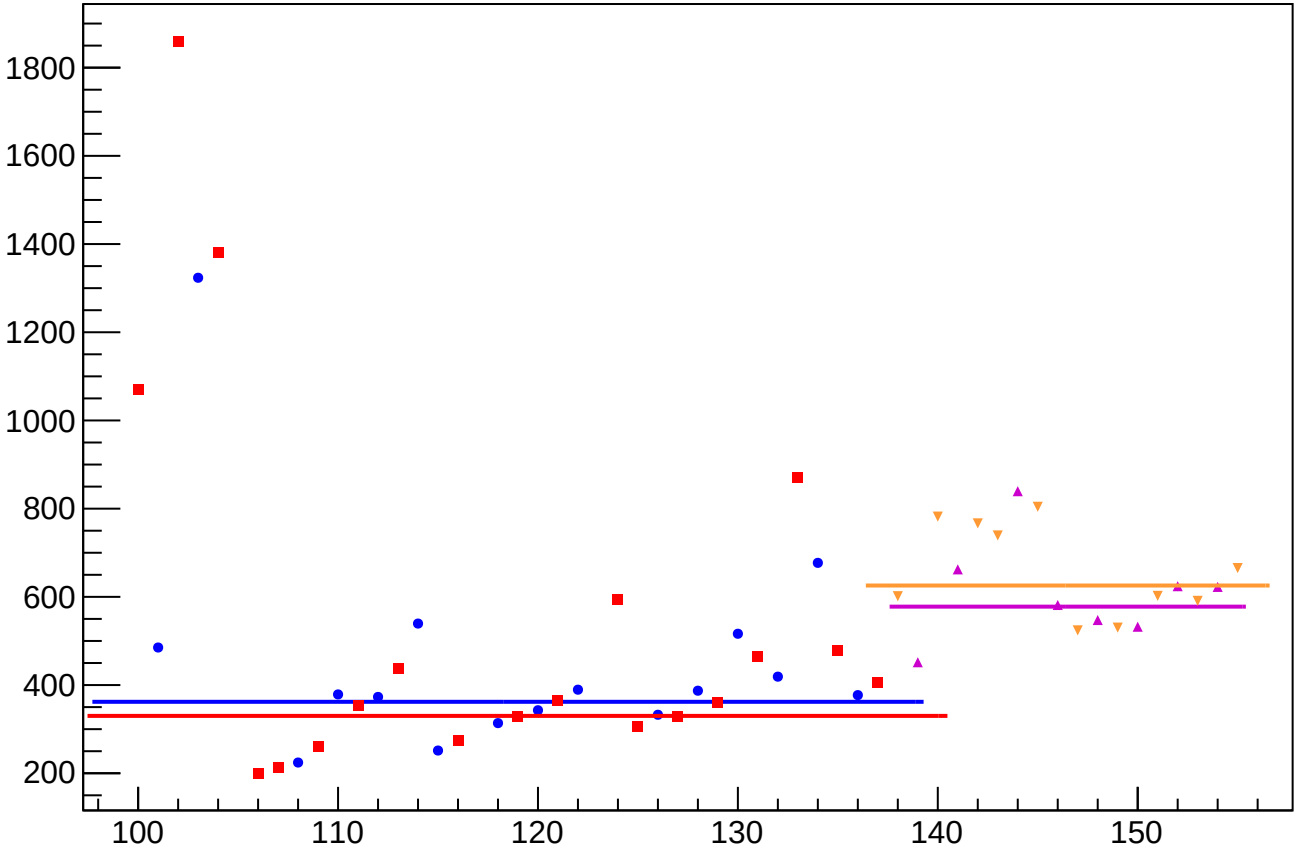
Left In: 0.230+/-0.223 χ^2/NDF:9.7/7

+ sign 0.012+/-0.122 χ^2/NDF: 21.6/25

All: -0.032+/-0.084 χ^2/NDF: 57.9/52

- sign -0.072+/-0.117 χ^2/NDF: 36.1/26

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: 625.709+/-0.161 χ^2/NDF:343378.7/9

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

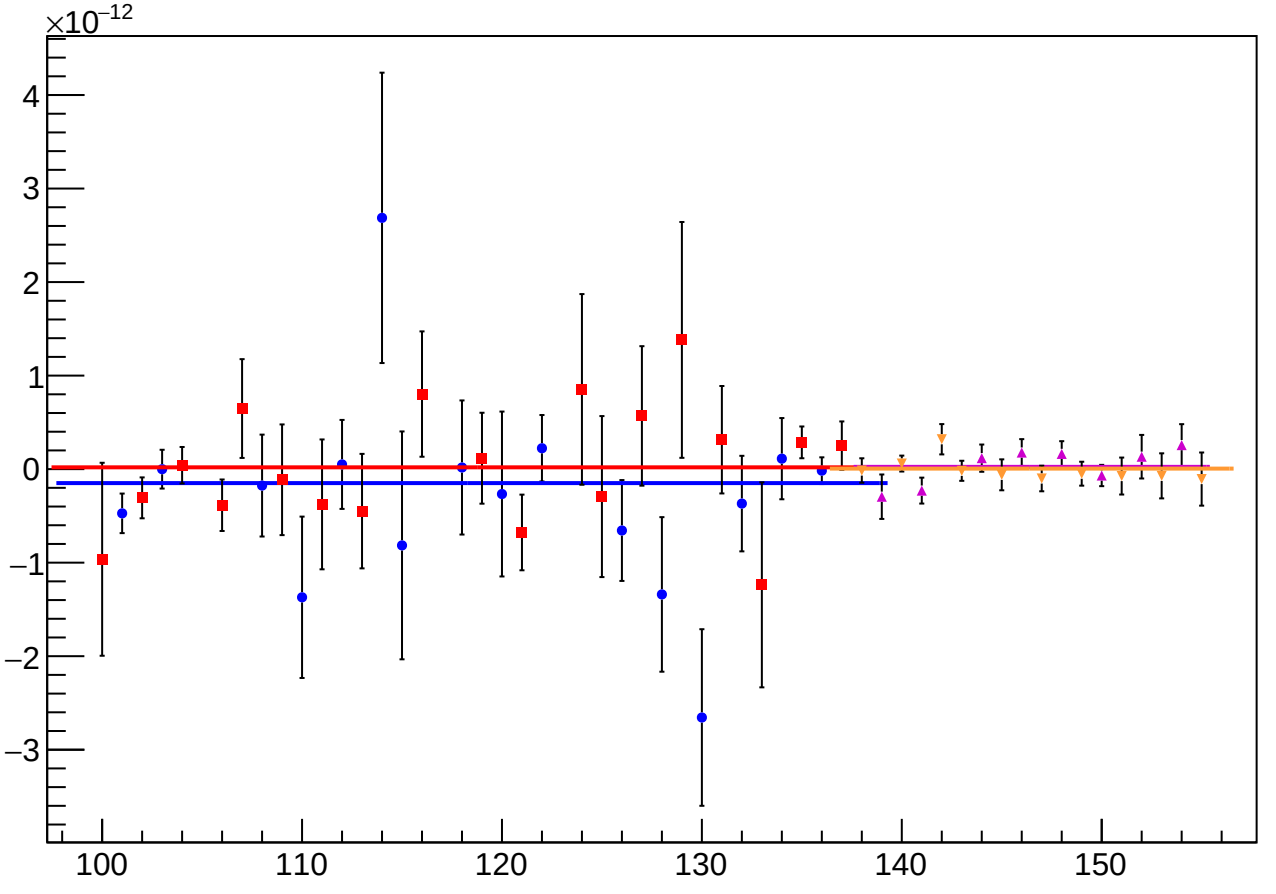
Left In: 577.826+/-0.158 χ^2/NDF:360372.2/7

+ sign 437.866+/-0.086 χ^2/NDF: 3631040.5/25

All: 417.176+/-0.060 χ^2/NDF: 8134998.4/52

- sign 398.179+/-0.083 χ^2/NDF: 4393835.5/26

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:5.6/9

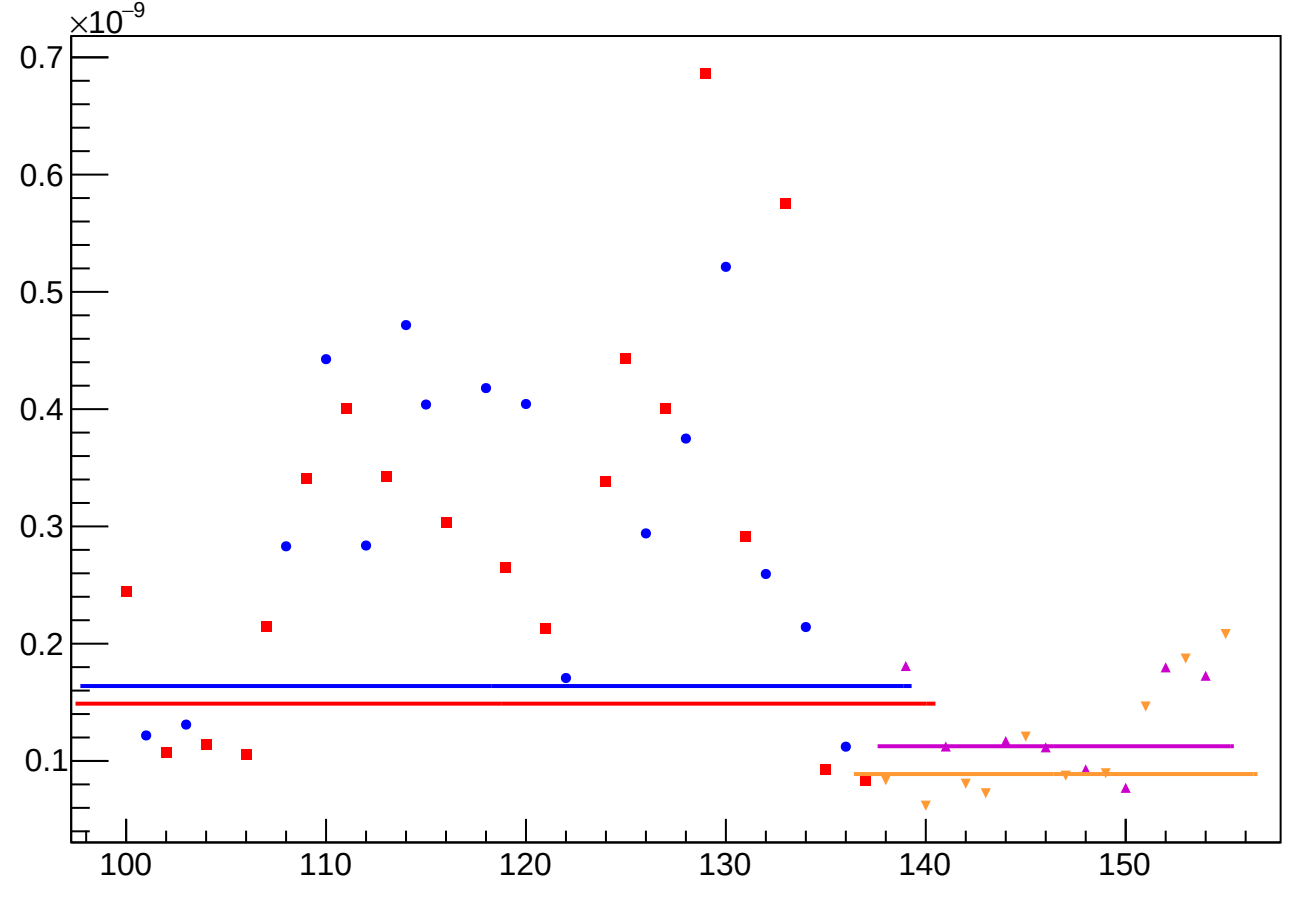
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/7

+ sign -0.000+/-0.000 χ^2/NDF: 29.4/25

All: -0.000+/-0.000 χ^2/NDF: 59.2/52

- sign 0.000+/-0.000 χ^2/NDF: 29.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1187918.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

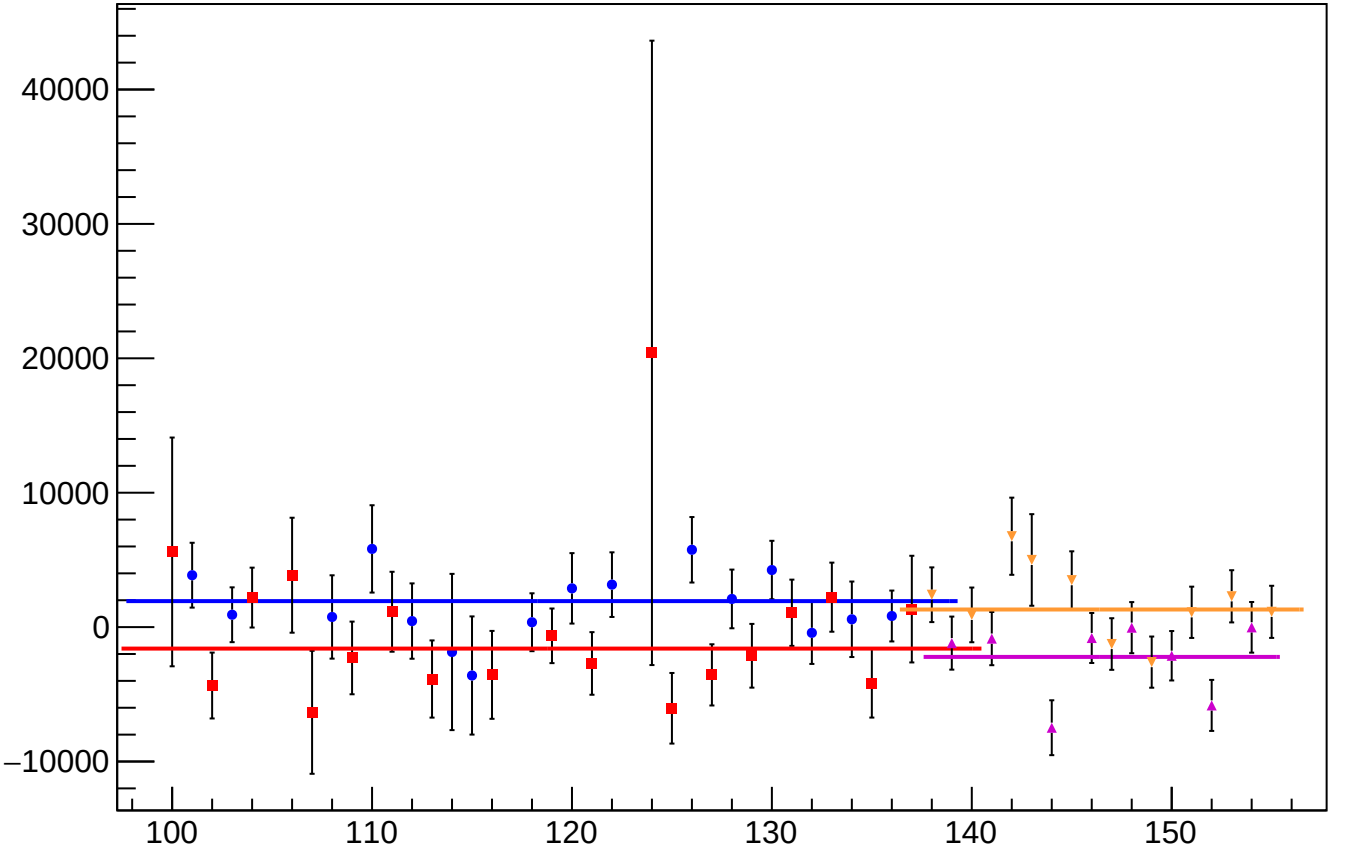
Left In: 0.000+/-0.000 χ^2/NDF:715185.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 4383071.7/25

All: 0.000+/-0.000 χ^2/NDF: 8423213.4/52

- sign 0.000+/-0.000 χ^2/NDF: 3826278.5/26

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1310.333+/-665.196 χ^2/NDF:12.4/9

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

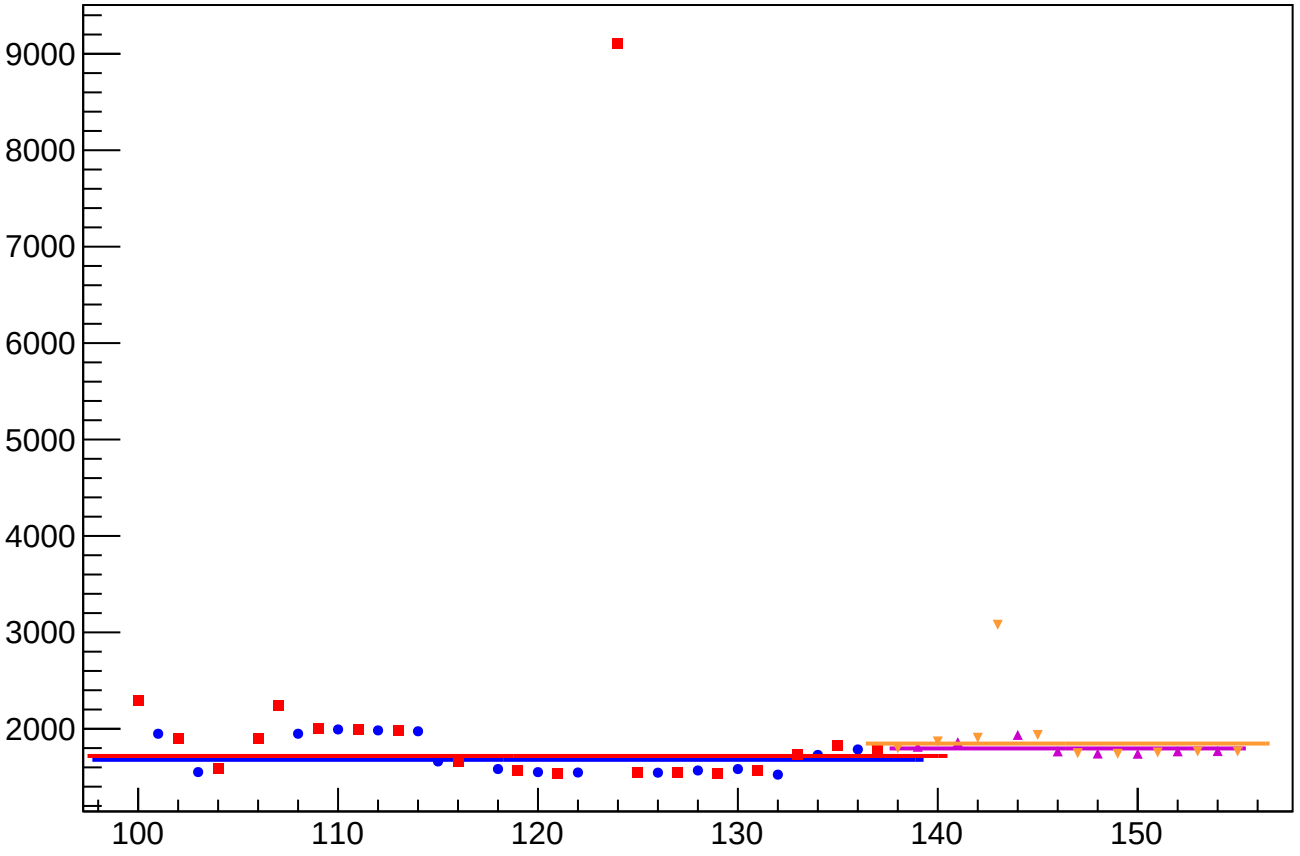
Left In: -2216.983+/-678.447 χ^2/NDF:14.3/7

+ sign 1640.552+/-456.598 χ^2/NDF: 23.8/25

All: -87.500+/-326.272 χ^2/NDF: 87.2/52

- sign -1890.497+/-466.395 χ^2/NDF: 34.1/26

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1847.027+/-0.470 χ^2/NDF:290509.7/9

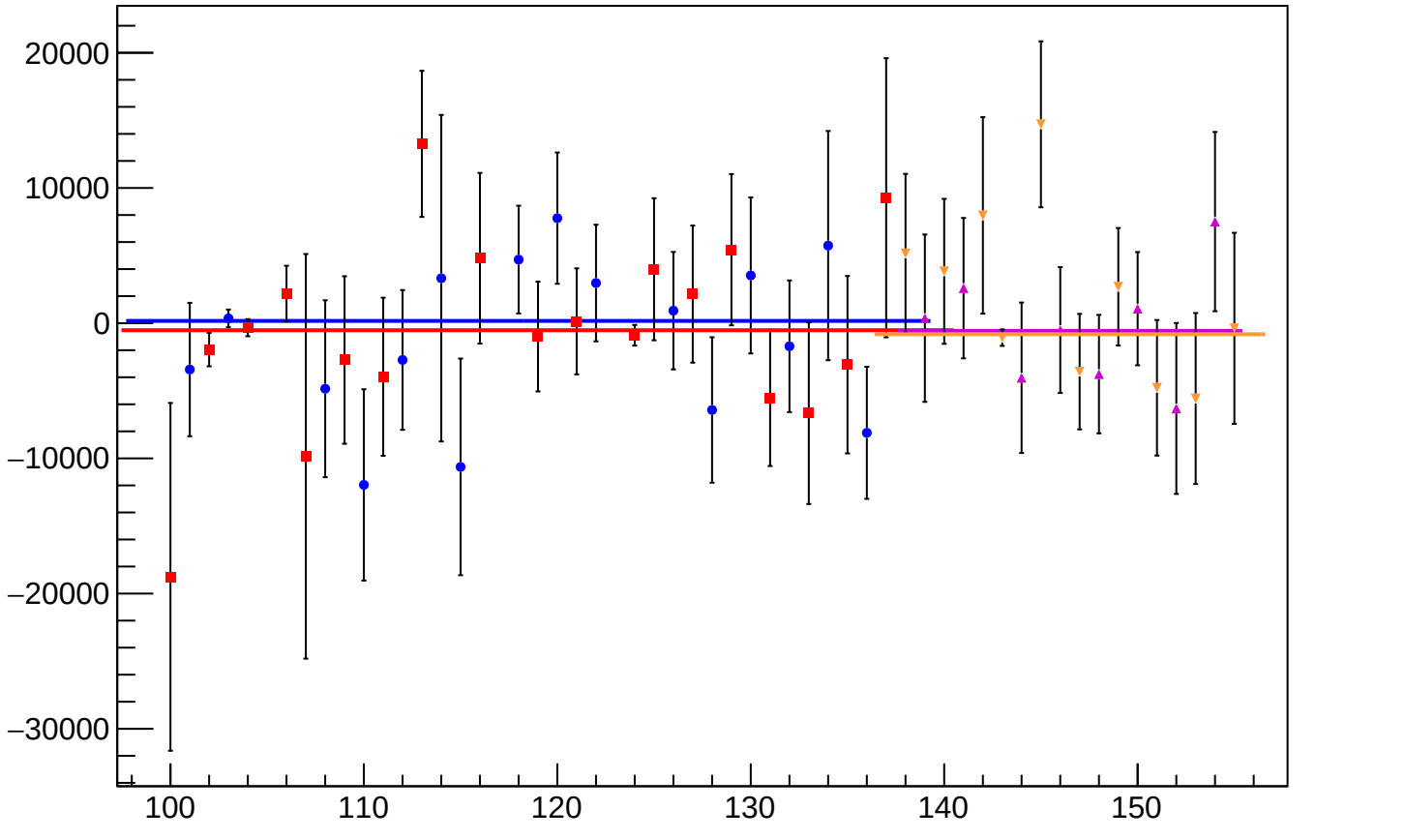
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1796.394+/-0.480 χ^2/NDF:16555.7/7

+ sign 1757.926+/-0.323 χ^2/NDF: 499845.9/25

All: 1756.504+/-0.230 χ^2/NDF: 913654.9/52

- sign 1755.028+/-0.329 χ^2/NDF: 413769.4/26



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -816.560+/-578.734 χ^2/NDF:12.1/9

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

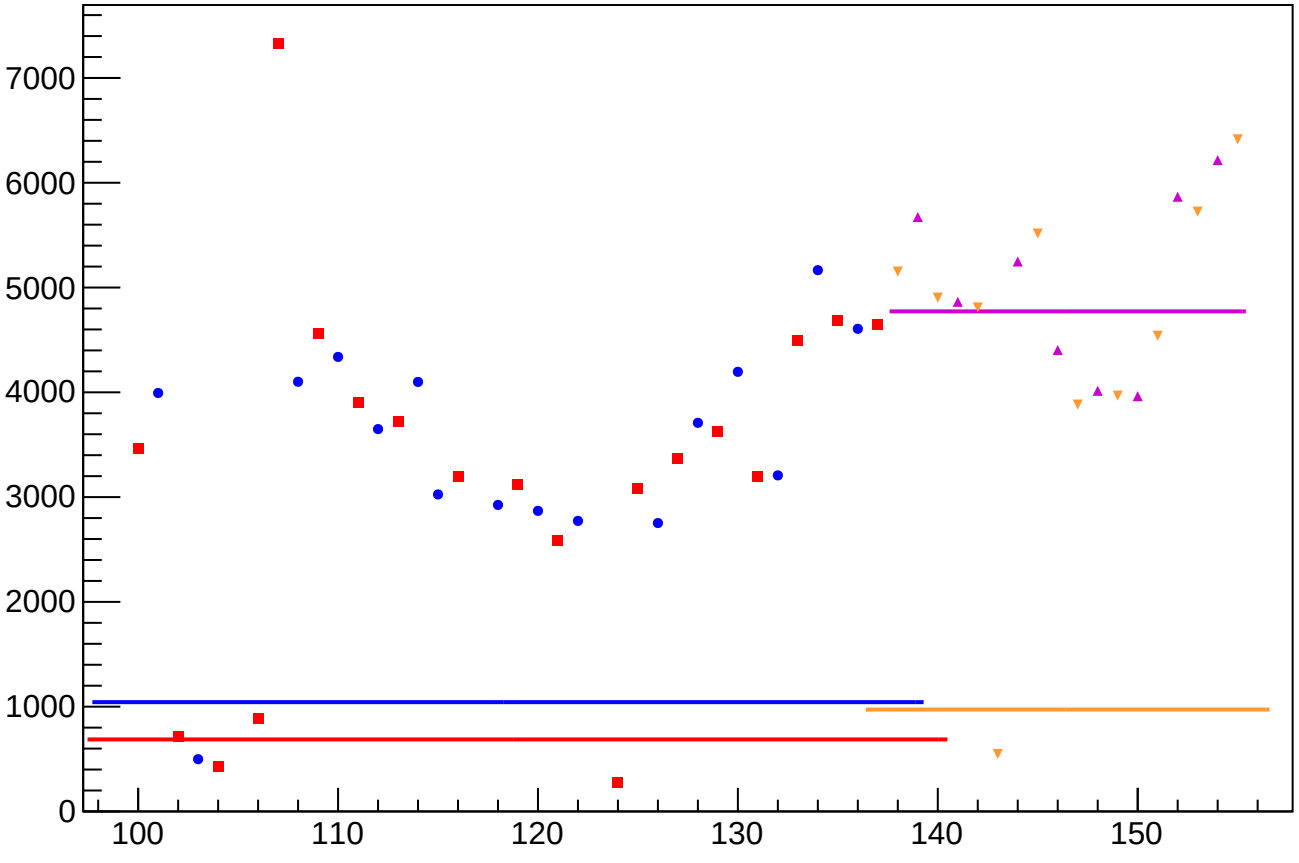
Left In: -569.237+/-1830.368 χ^2/NDF:3.8/7

+ sign -334.969+/-413.703 χ^2/NDF: 29.3/25

All: -429.236+/-292.562 χ^2/NDF: 51.8/52

- sign -523.541+/-413.786 χ^2/NDF: 22.3/26

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 972.320+/-0.409 χ^2/NDF:9909275.1/9

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

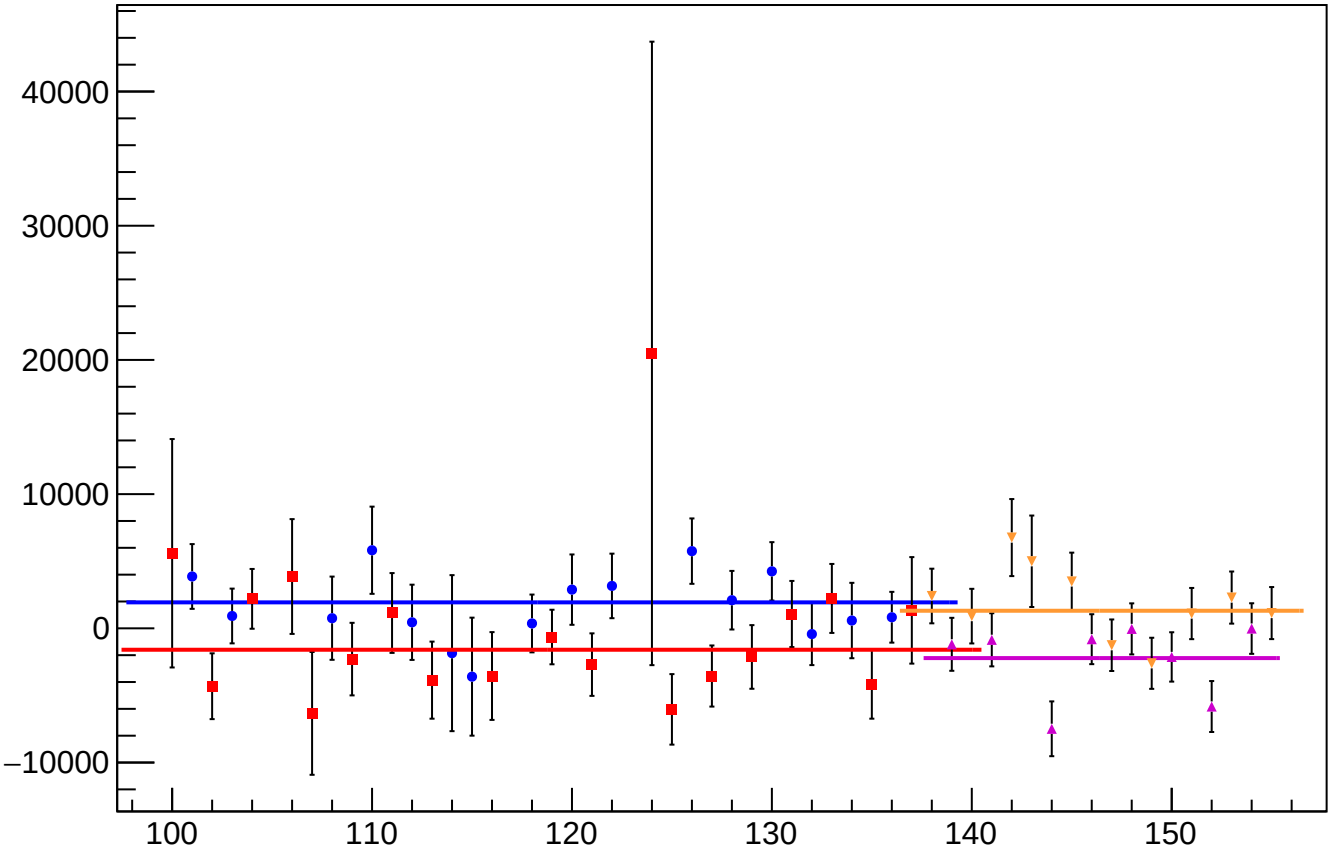
Left In: 4772.383+/-1.294 χ^2/NDF:359453.3/7

+ sign 1006.940+/-0.293 χ^2/NDF: 18035808.5/25

All: 951.532+/-0.207 χ^2/NDF: 36551481.7/52

- sign 896.101+/-0.293 χ^2/NDF: 18443907.4/26

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1310.293+/-665.196 χ^2/NDF:12.4/9

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

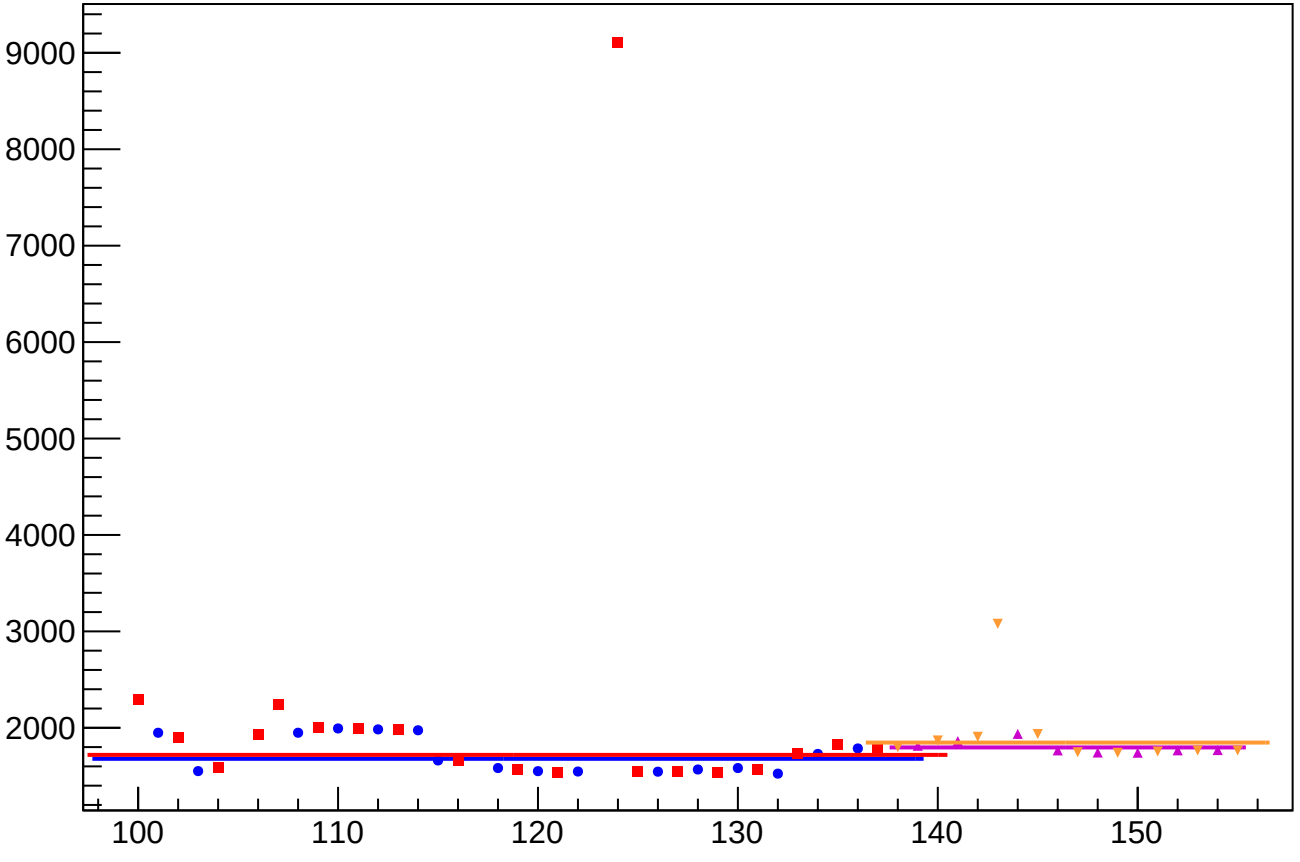
Left In: -2217.220+/-678.447 χ^2/NDF:14.3/7

+ sign 1640.594+/-456.598 χ^2/NDF: 23.8/25

All: -86.898+/-326.273 χ^2/NDF: 87.1/52

- sign -1889.326+/-466.396 χ^2/NDF: 34.1/26

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1847.027+/-0.470 χ^2/NDF:290509.7/9

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

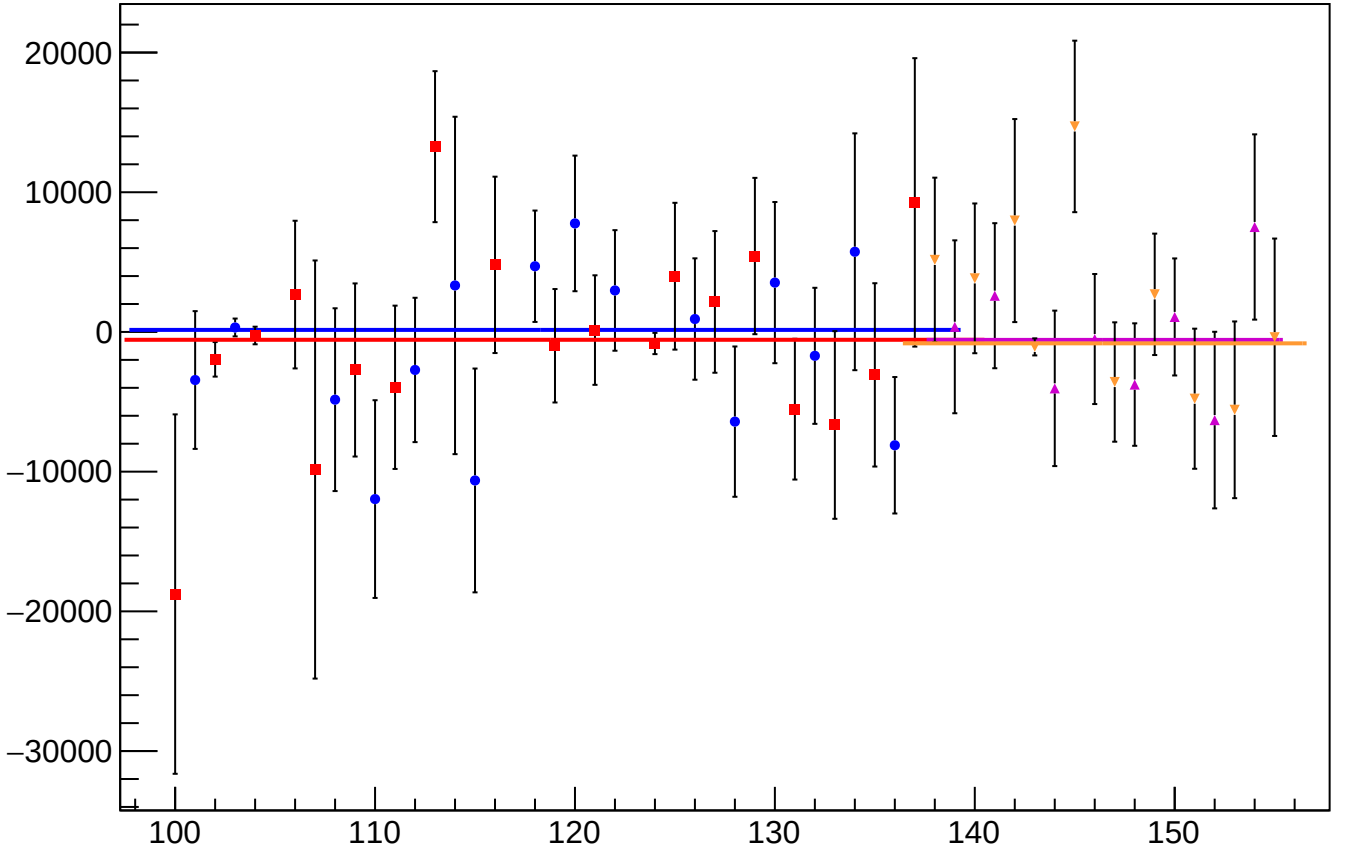
Left In: 1796.394+/-0.480 χ^2/NDF:16555.7/7

+ sign 1757.926+/-0.323 χ^2/NDF: 499846.1/25

All: 1756.730+/-0.230 χ^2/NDF: 915081.8/52

- sign 1755.489+/-0.329 χ^2/NDF: 415207.8/26

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -816.214+/-578.713 χ^2/NDF:12.1/9

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

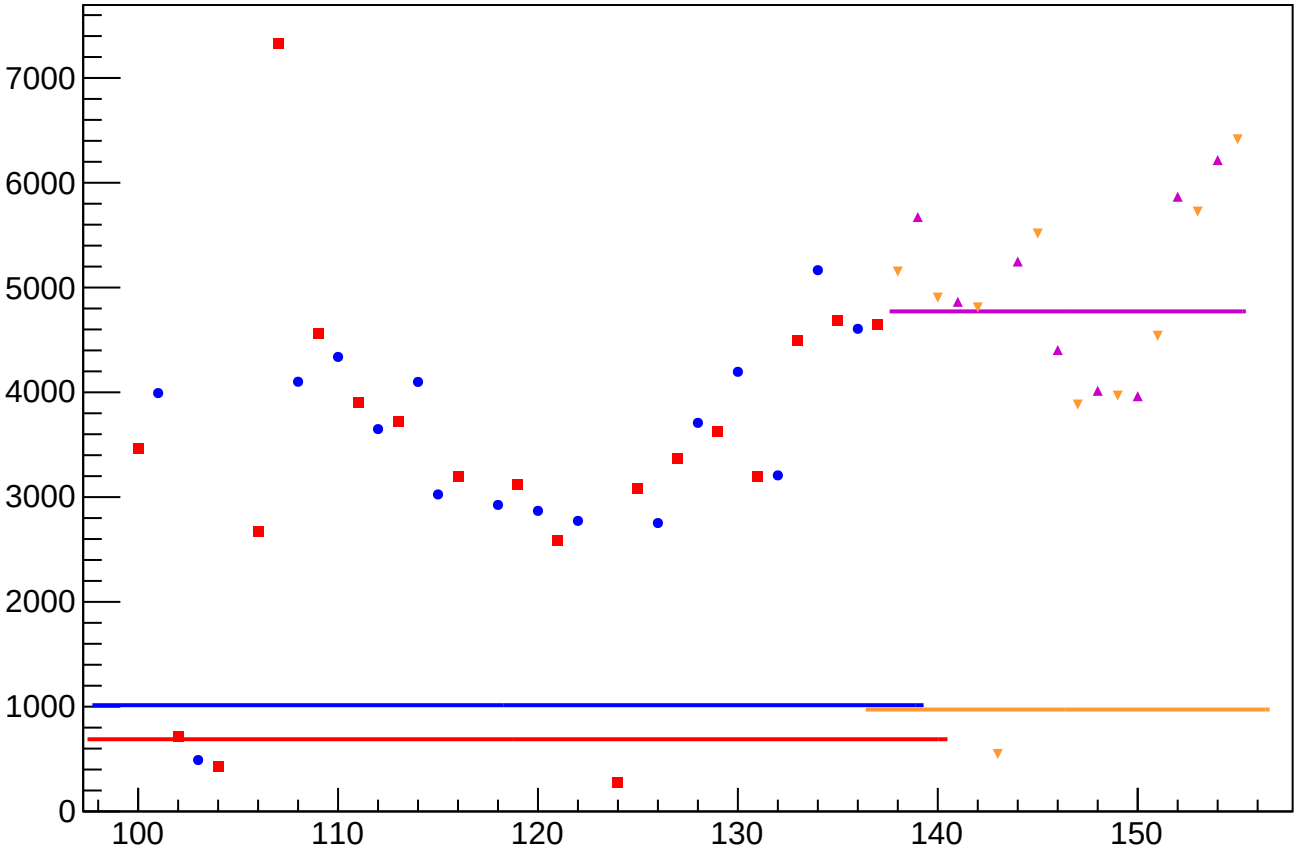
Left In: -569.378+/-1830.366 χ^2/NDF:3.8/7

+ sign -335.368+/-409.439 χ^2/NDF: 29.3/25

All: -445.957+/-292.899 χ^2/NDF: 50.4/52

- sign -561.870+/-419.177 χ^2/NDF: 21.0/26

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 972.269+/-0.409 χ^2/NDF:9909457.5/9

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

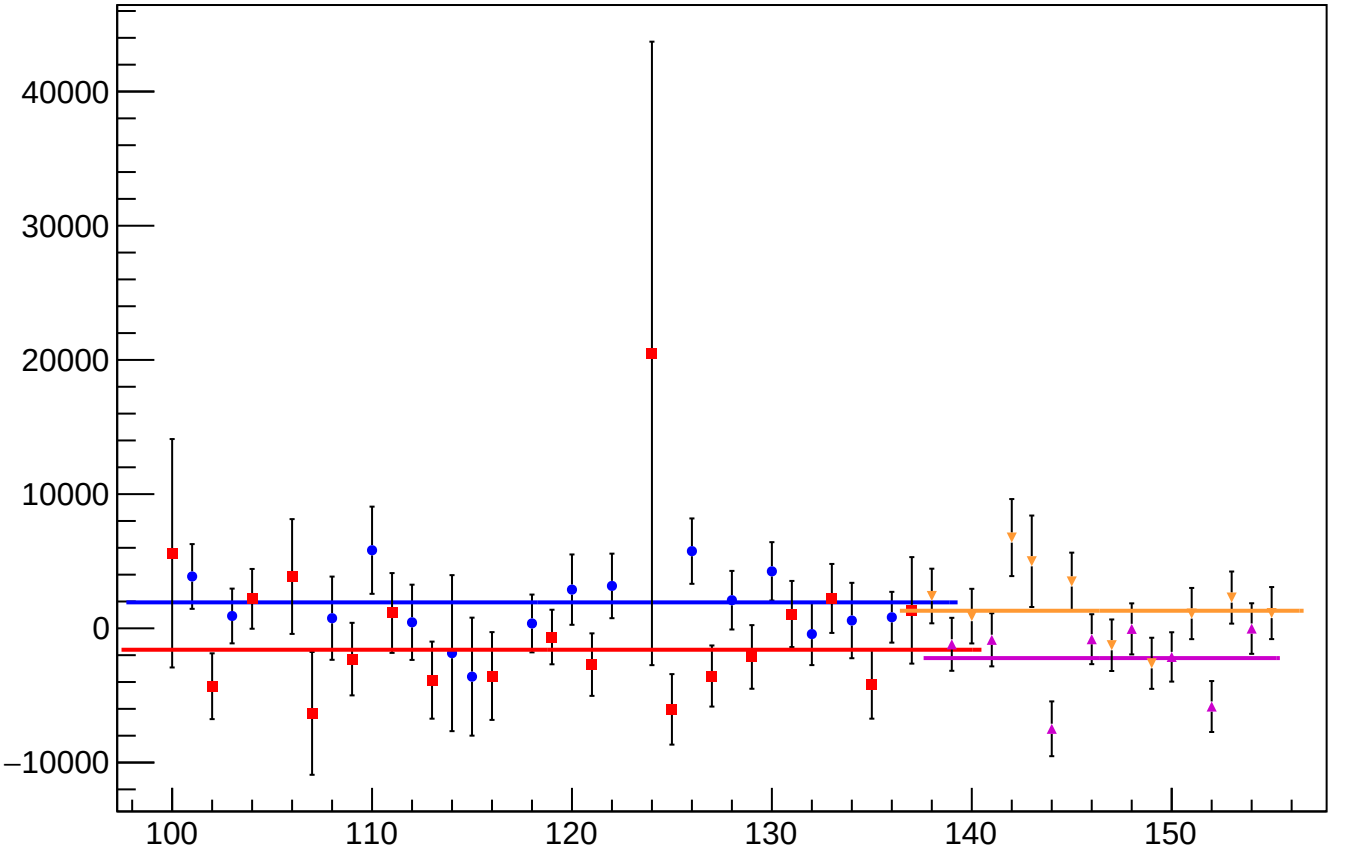
Left In: 4772.376+/-1.294 χ^2/NDF:359460.0/7

+ sign 993.158+/-0.290 χ^2/NDF: 18137692.9/25

All: 949.242+/-0.207 χ^2/NDF: 36886232.0/52

- sign 903.212+/-0.296 χ^2/NDF: 18701412.9/26

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1310.293+/-665.196 χ^2/NDF:12.4/9

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

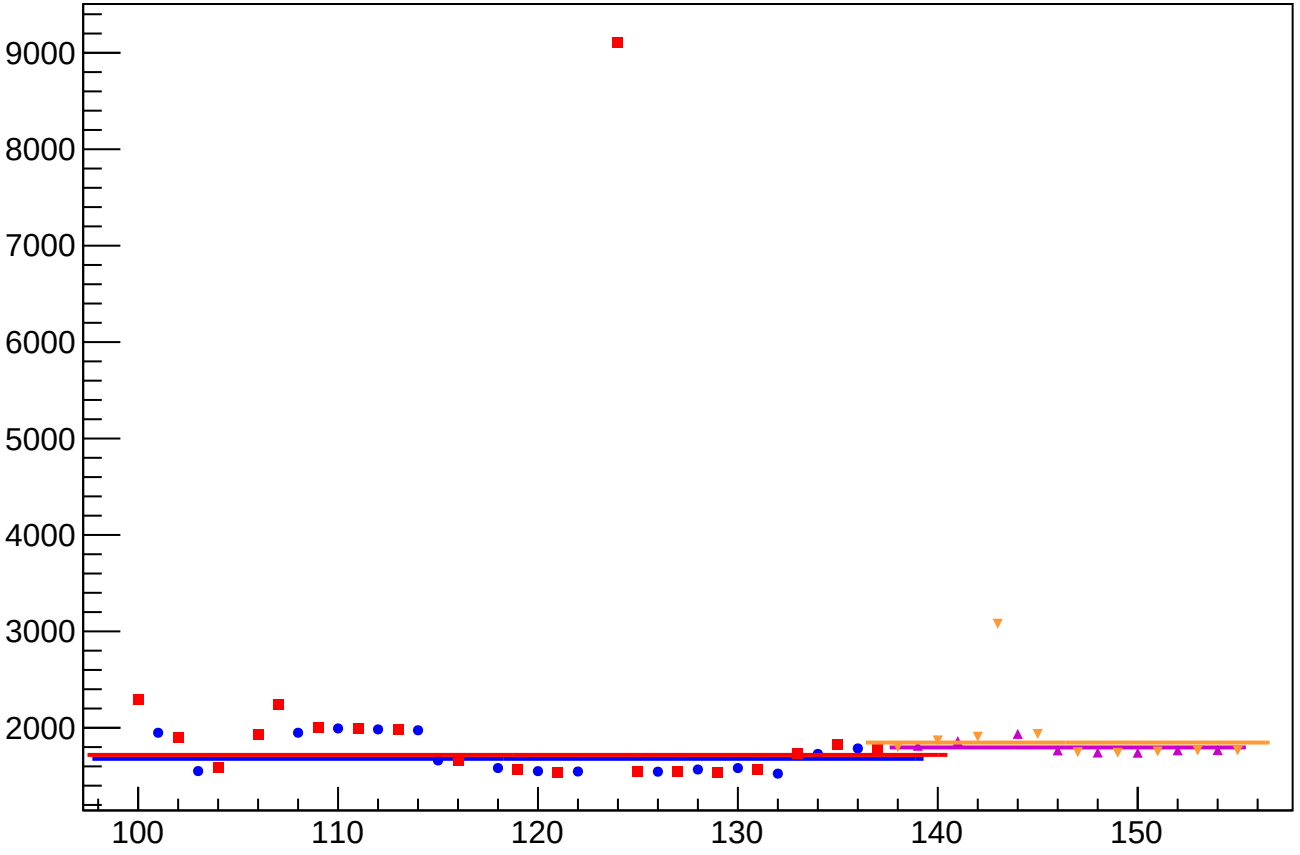
Left In: -2217.220+/-678.447 χ^2/NDF:14.3/7

+ sign 1640.594+/-456.598 χ^2/NDF: 23.8/25

All: -86.898+/-326.273 χ^2/NDF: 87.1/52

- sign -1889.326+/-466.396 χ^2/NDF: 34.1/26

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1847.027+/-0.470 χ^2/NDF:290509.7/9

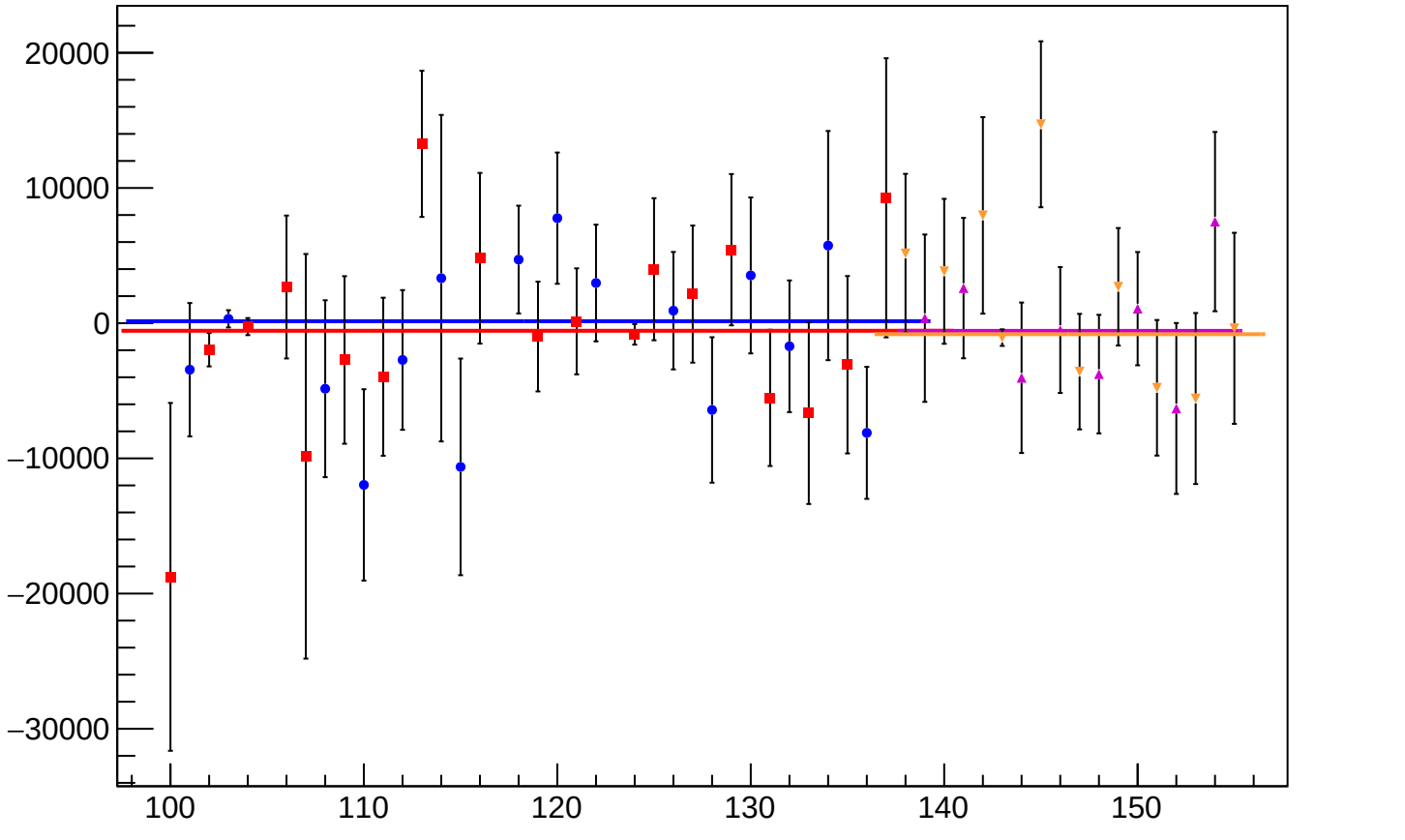
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1796.394+/-0.480 χ^2/NDF:16555.7/7

+ sign 1757.926+/-0.323 χ^2/NDF: 499846.1/25

All: 1756.730+/-0.230 χ^2/NDF: 915081.8/52

- sign 1755.489+/-0.329 χ^2/NDF: 415207.8/26



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -816.214+/-578.713 χ^2/NDF:12.1/9

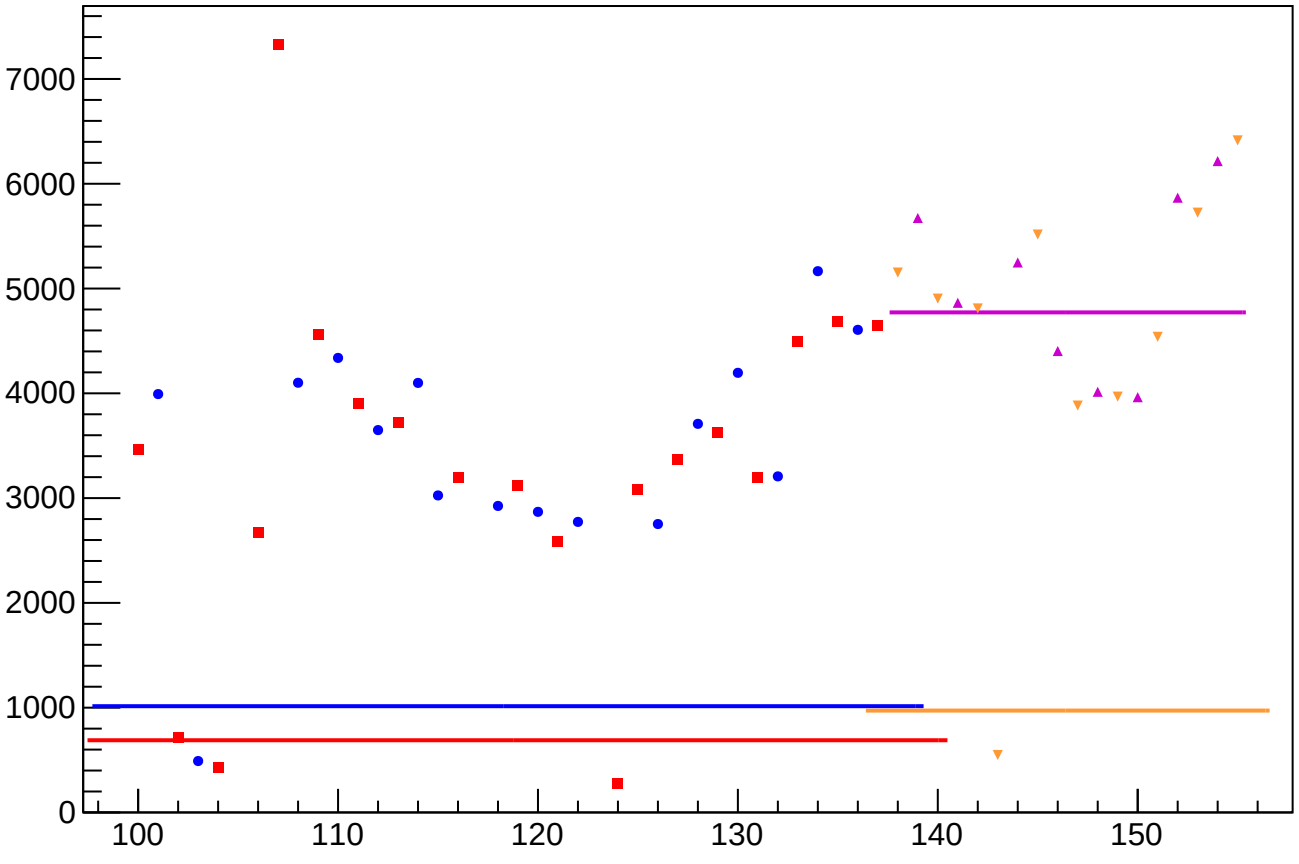
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -569.378+/-1830.366 χ^2/NDF:3.8/7

\+ sign -335.368+/-409.439 χ^2/NDF: 29.3/25

All: -445.957+/-292.899 χ^2/NDF: 50.4/52

\- sign -561.870+/-419.177 χ^2/NDF: 21.0/26



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 972.269+/-0.409 χ^2/NDF:9909457.5/9

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

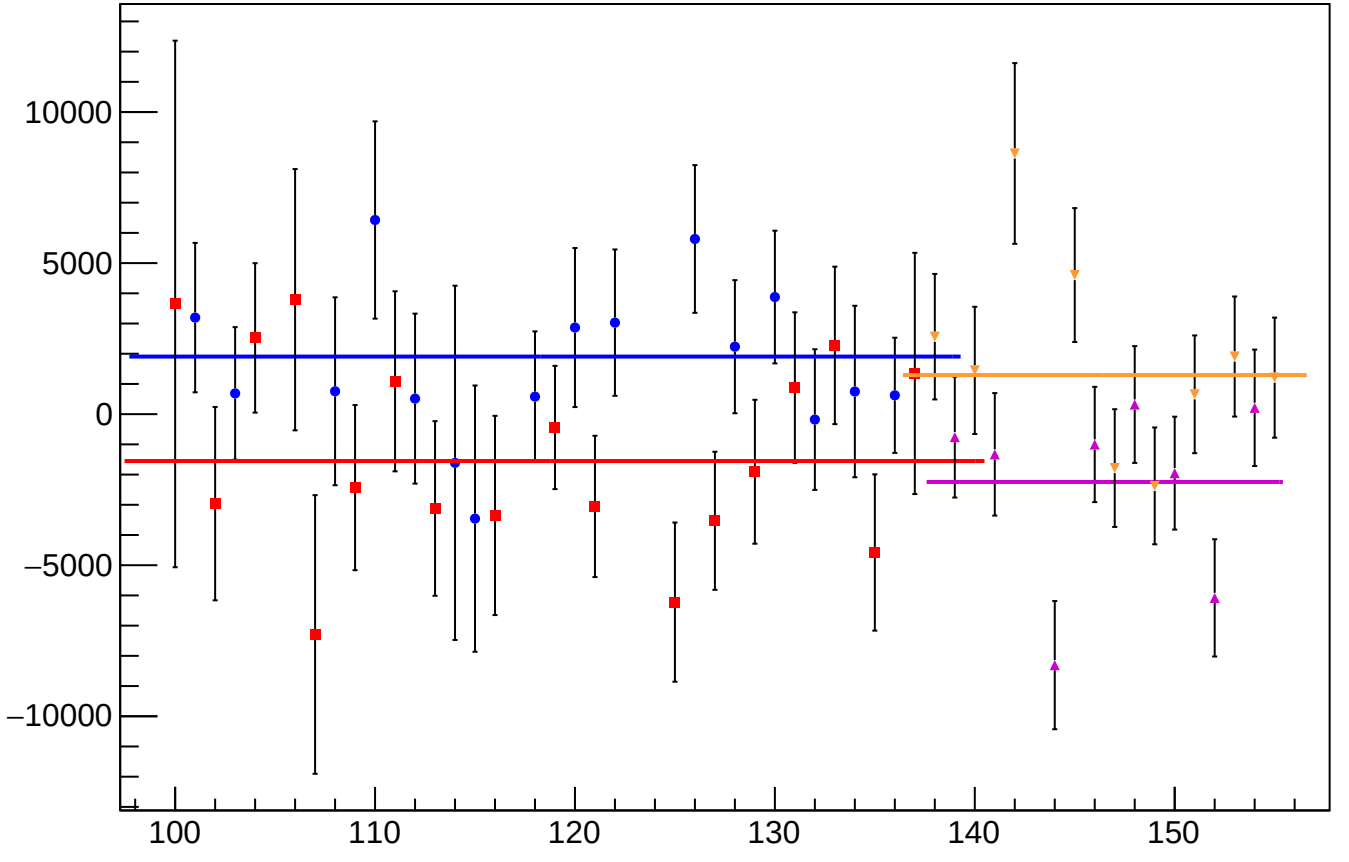
Left In: 4772.376+/-1.294 χ^2/NDF:359460.0/7

+ sign 993.158+/-0.290 χ^2/NDF: 18137692.9/25

All: 949.242+/-0.207 χ^2/NDF: 36886232.0/52

- sign 903.212+/-0.296 χ^2/NDF: 18701412.9/26

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1293.028+/-694.492 χ^2/NDF:14.9/8

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

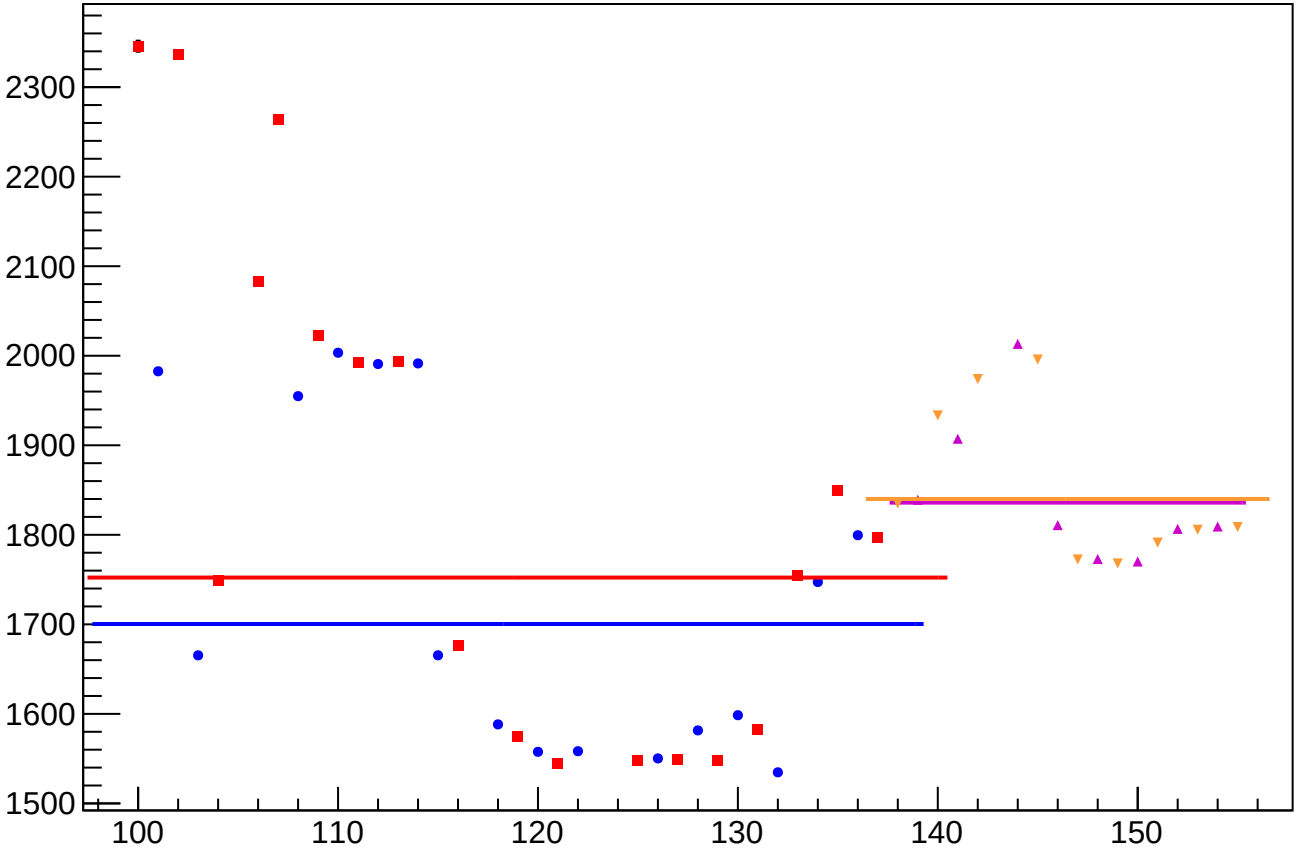
Left In: -2244.514+/-693.578 χ^2/NDF:16.7/7

+ sign 1626.314+/-469.211 χ^2/NDF: 25.6/24

All: -92.948+/-335.025 χ^2/NDF: 87.6/50

- sign -1881.108+/-478.521 χ^2/NDF: 34.6/25

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1840.034+/-0.491 χ^2/NDF:25362.9/8

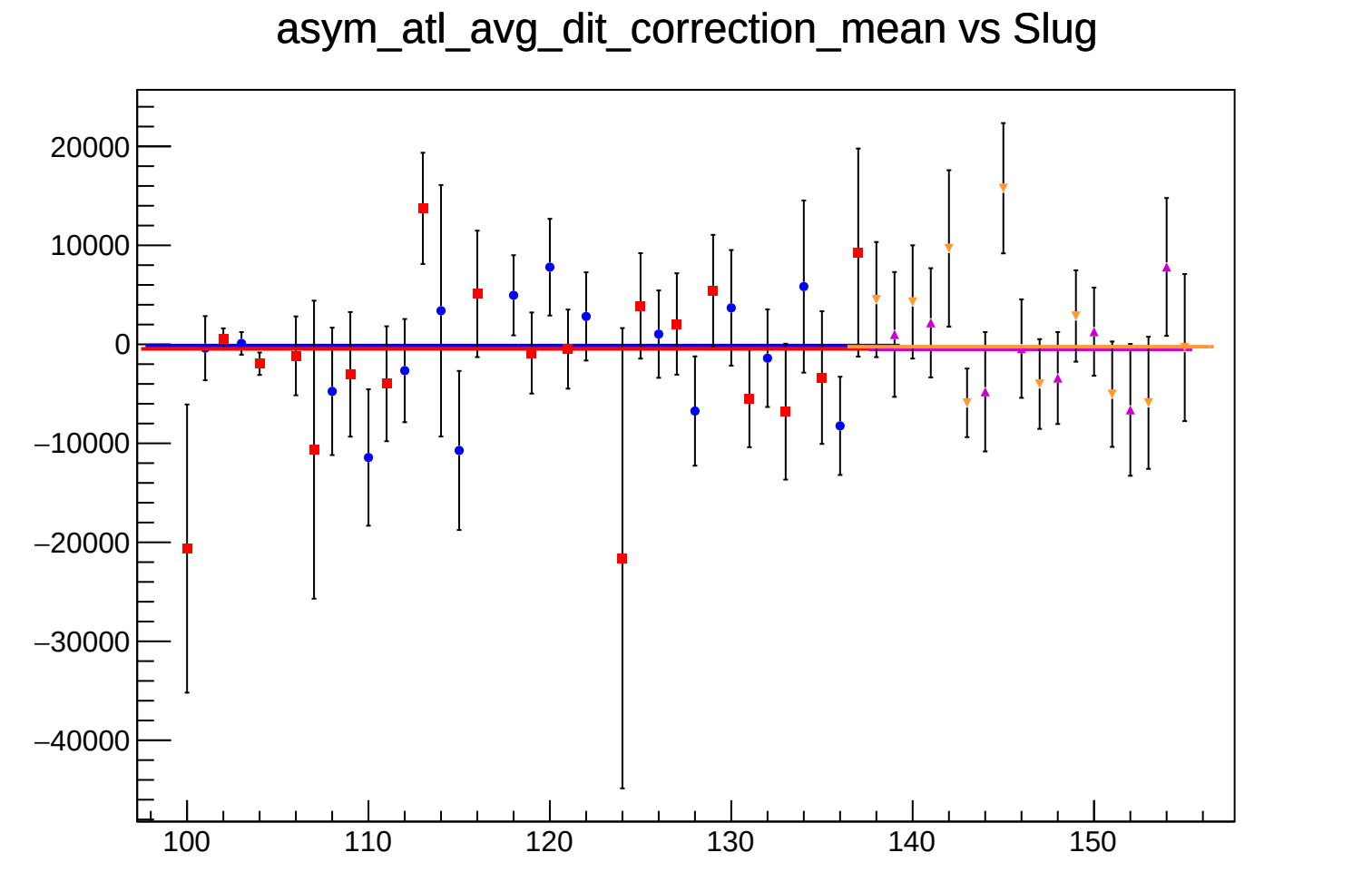
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1835.959+/-0.490 χ^2/NDF:22233.4/7

+ sign 1764.114+/-0.332 χ^2/NDF: 204753.9/24

All: 1777.797+/-0.237 χ^2/NDF: 493708.7/50

- sign 1791.995+/-0.338 χ^2/NDF: 285489.0/25



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -241.509+/-1680.404 χ^2/NDF:14.2/9

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

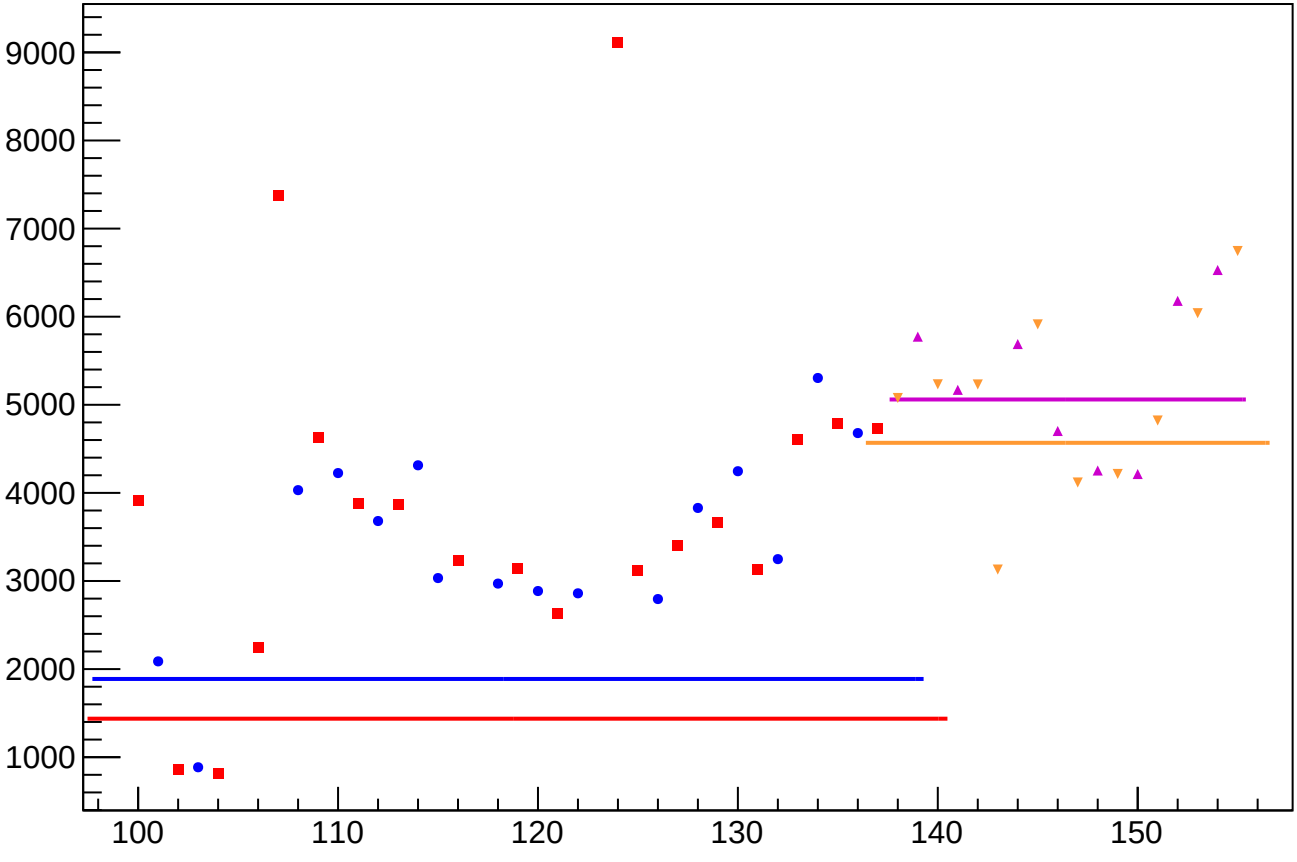
Left In: -503.702+/-1939.415 χ^2/NDF:3.6/7

+ sign -149.892+/-770.944 χ^2/NDF: 29.2/25

All: -335.771+/-492.882 χ^2/NDF: 51.5/52

- sign -464.267+/-640.991 χ^2/NDF: 22.1/26

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4568.364+/-1.188 χ^2/NDF:789674.8/9

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

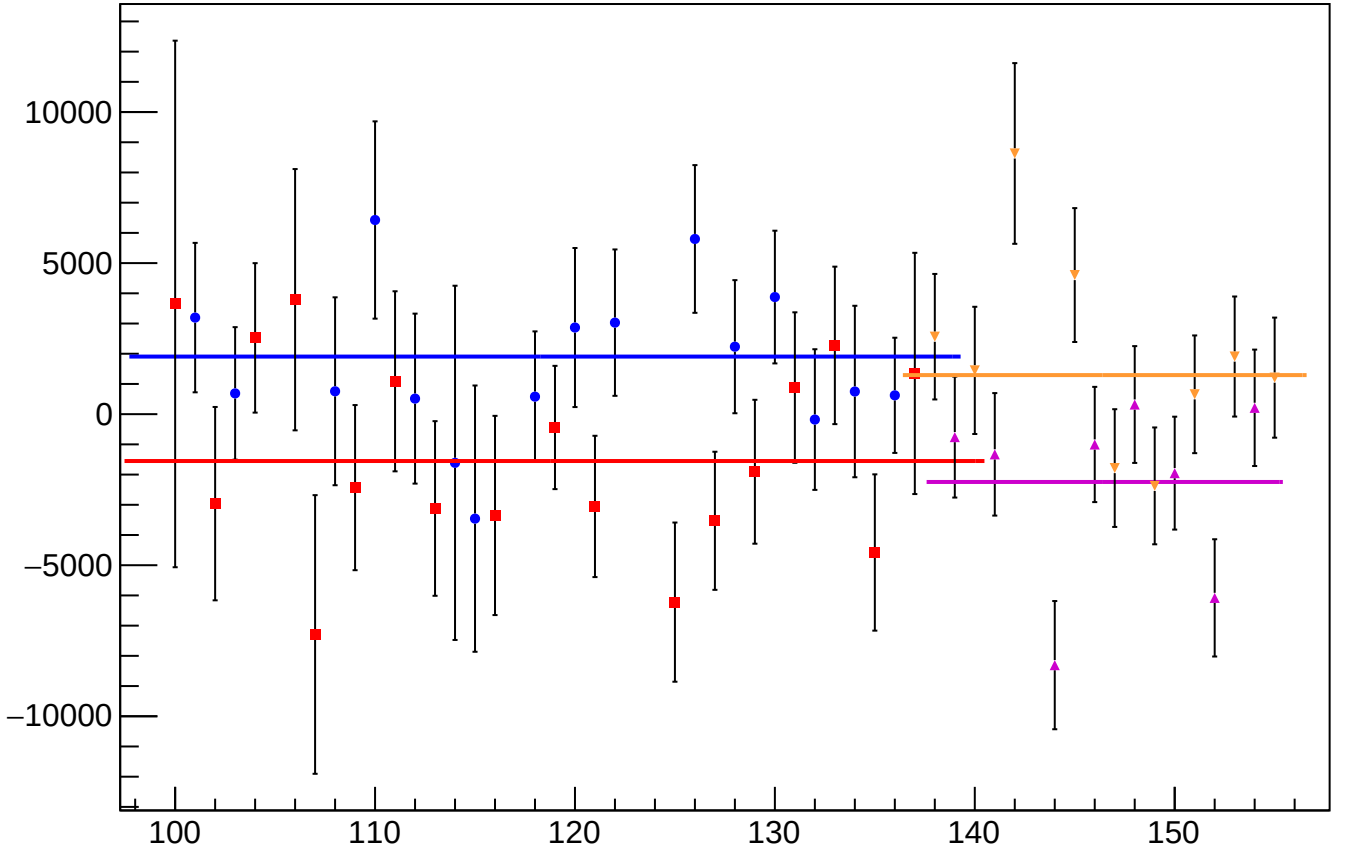
Left In: 5060.200+/-1.371 χ^2/NDF:336514.1/7

+ sign 2452.171+/-0.545 χ^2/NDF: 9232828.9/25

All: 2086.003+/-0.349 χ^2/NDF: 22514028.3/5

- sign 1832.877+/-0.453 χ^2/NDF: 12518132.8/26

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1293.034+/-694.492 χ^2/NDF:14.9/8

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

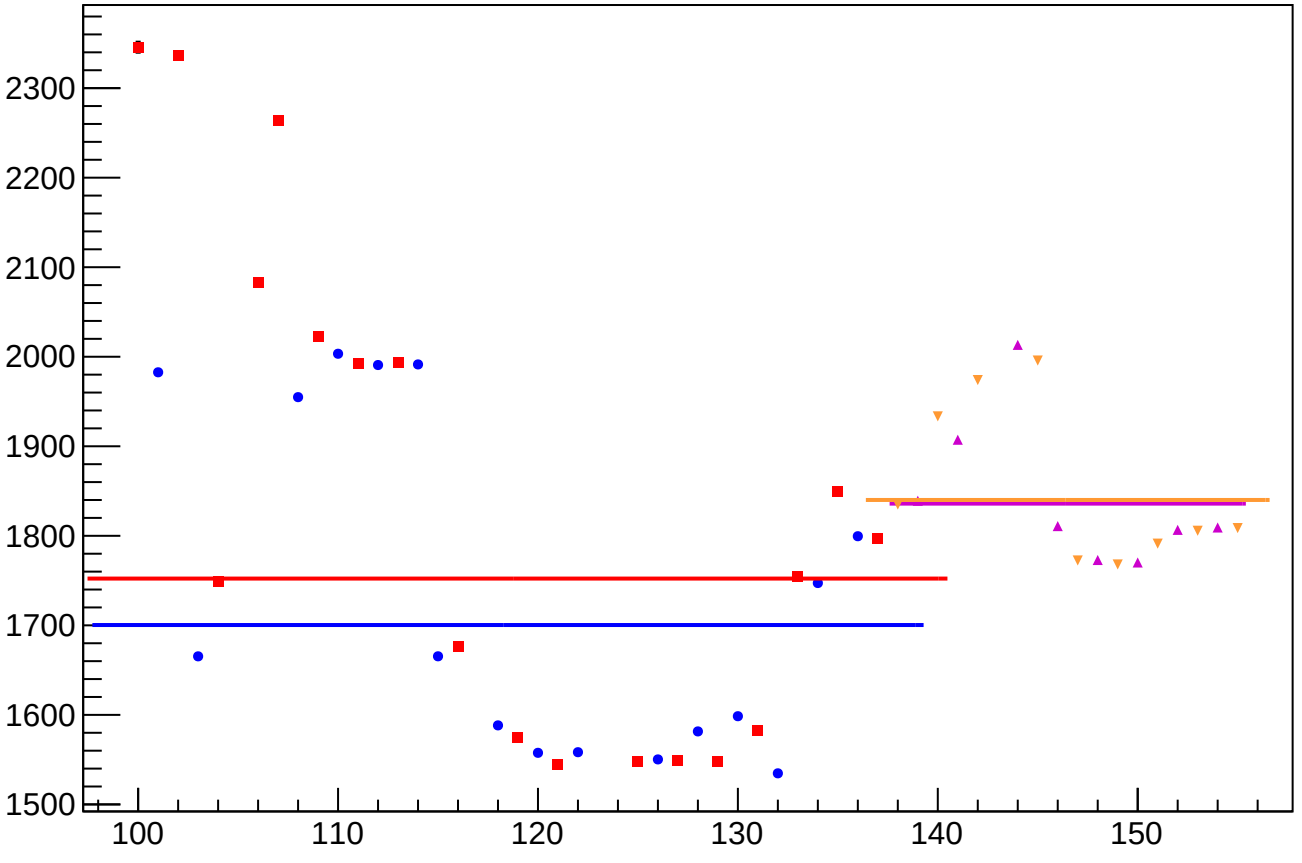
Left In: -2244.514+/-693.579 χ^2/NDF:16.7/7

+ sign 1626.316+/-469.211 χ^2/NDF: 25.6/24

All: -92.946+/-335.026 χ^2/NDF: 87.6/50

- sign -1881.106+/-478.521 χ^2/NDF: 34.6/25

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1840.035+/-0.491 χ^2/NDF:25363.3/8

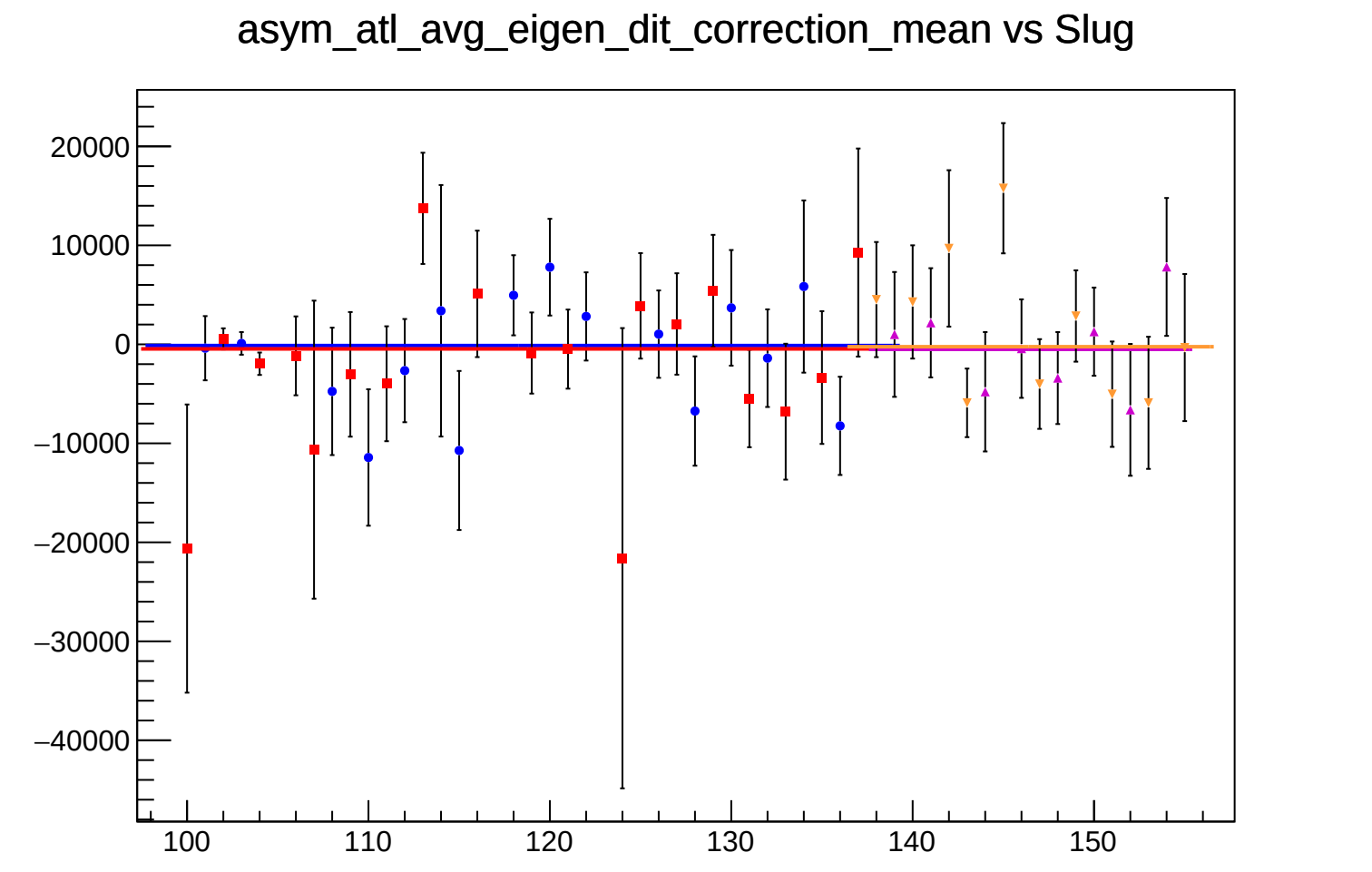
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1835.960+/-0.490 χ^2/NDF:22233.7/7

+ sign 1764.114+/-0.332 χ^2/NDF: 204755.4/24

All: 1777.797+/-0.237 χ^2/NDF: 493710.6/50

- sign 1791.995+/-0.338 χ^2/NDF: 285489.4/25



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -241.514+/-1680.405 χ^2/NDF:14.2/9

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

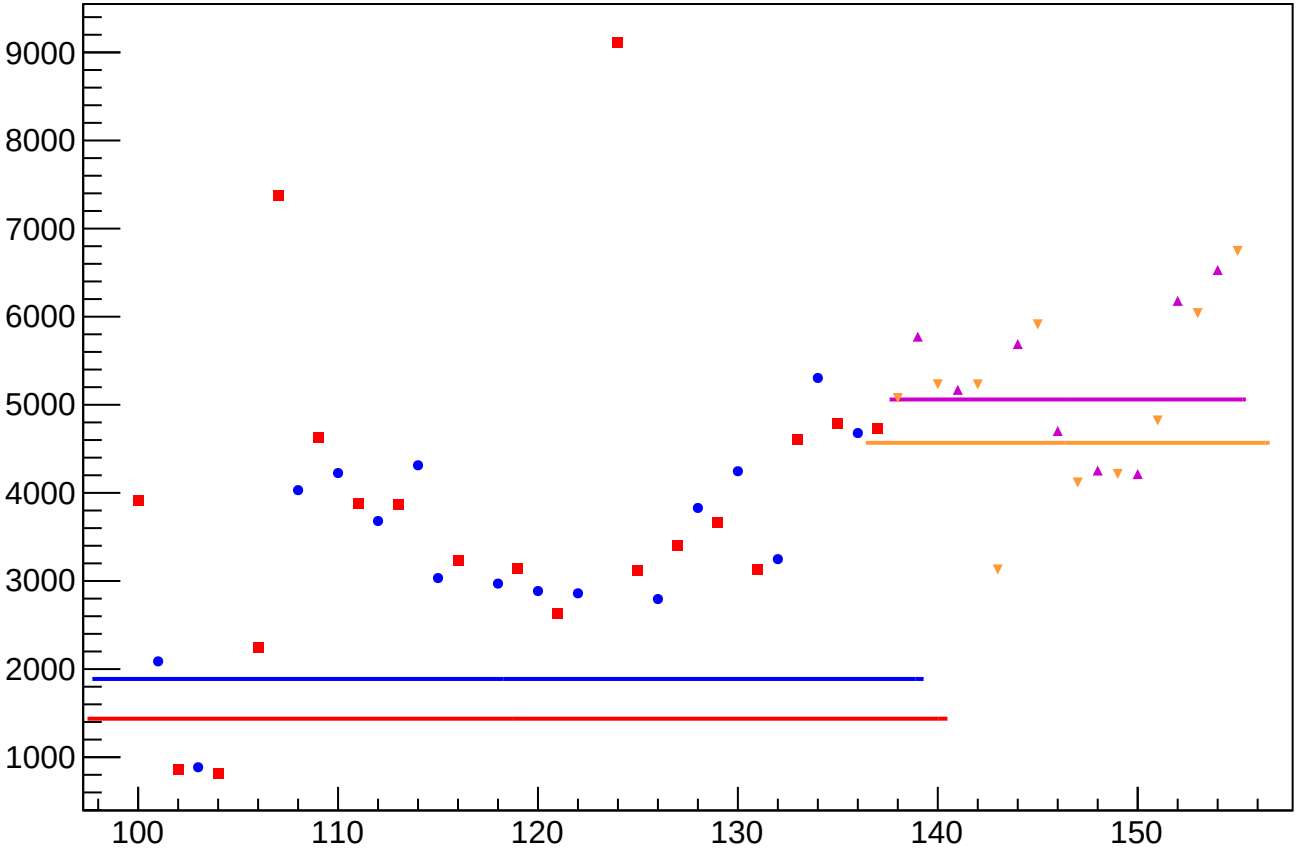
Left In: -503.703+/-1939.417 χ^2/NDF:3.6/7

+ sign -149.890+/-770.940 χ^2/NDF: 29.2/25

All: -335.770+/-492.879 χ^2/NDF: 51.5/52

- sign -464.266+/-640.986 χ^2/NDF: 22.1/26

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4568.368+/-1.188 χ^2/NDF:789680.4/9

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

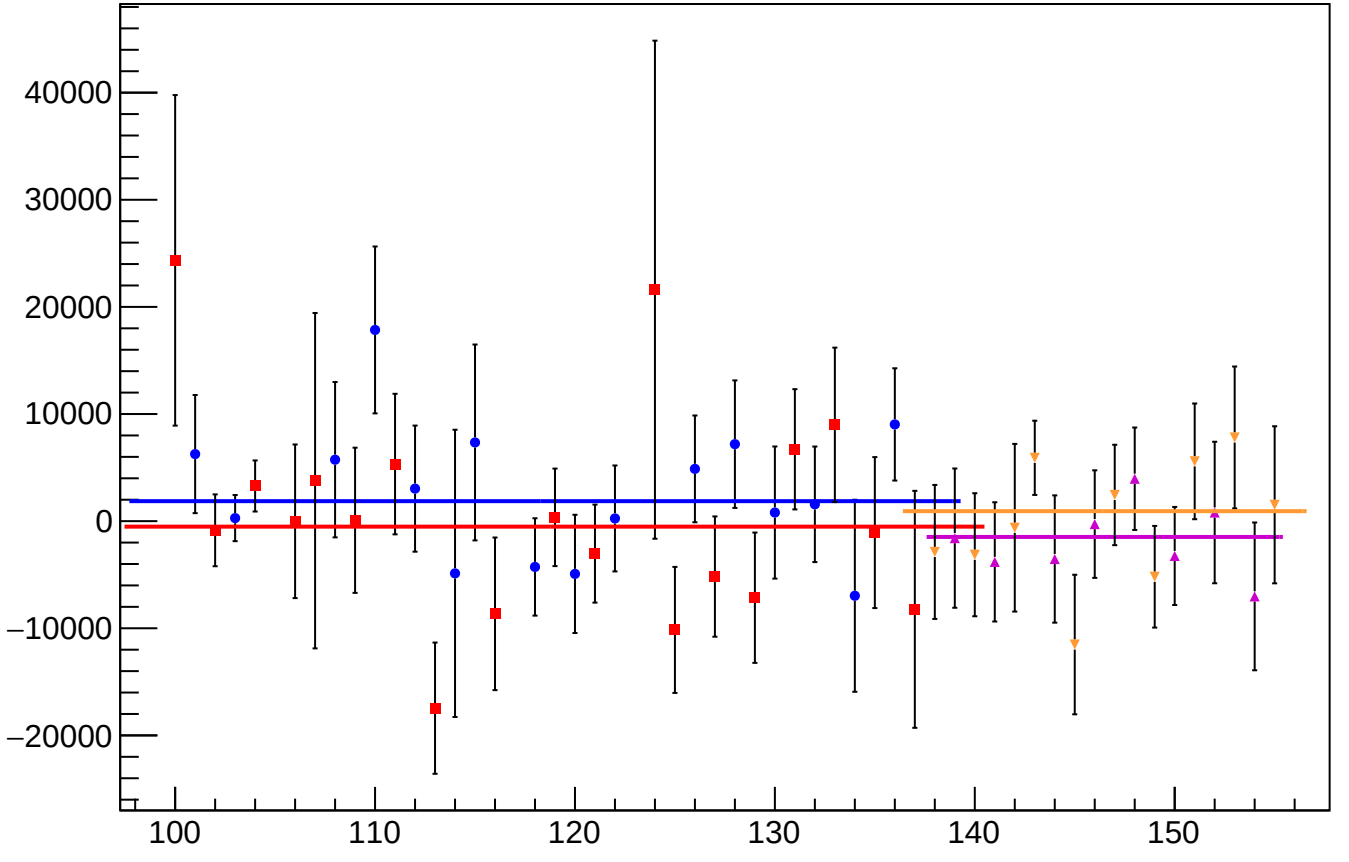
Left In: 5060.206+/-1.371 χ^2/NDF:336517.0/7

+ sign 2452.152+/-0.545 χ^2/NDF: 9232936.7/25

All: 2085.985+/-0.349 χ^2/NDF: 22514241.2/5

- sign 1832.859+/-0.453 χ^2/NDF: 12518232.8/26

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 931.934+/-1703.259 χ^2/NDF:10.2/9

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

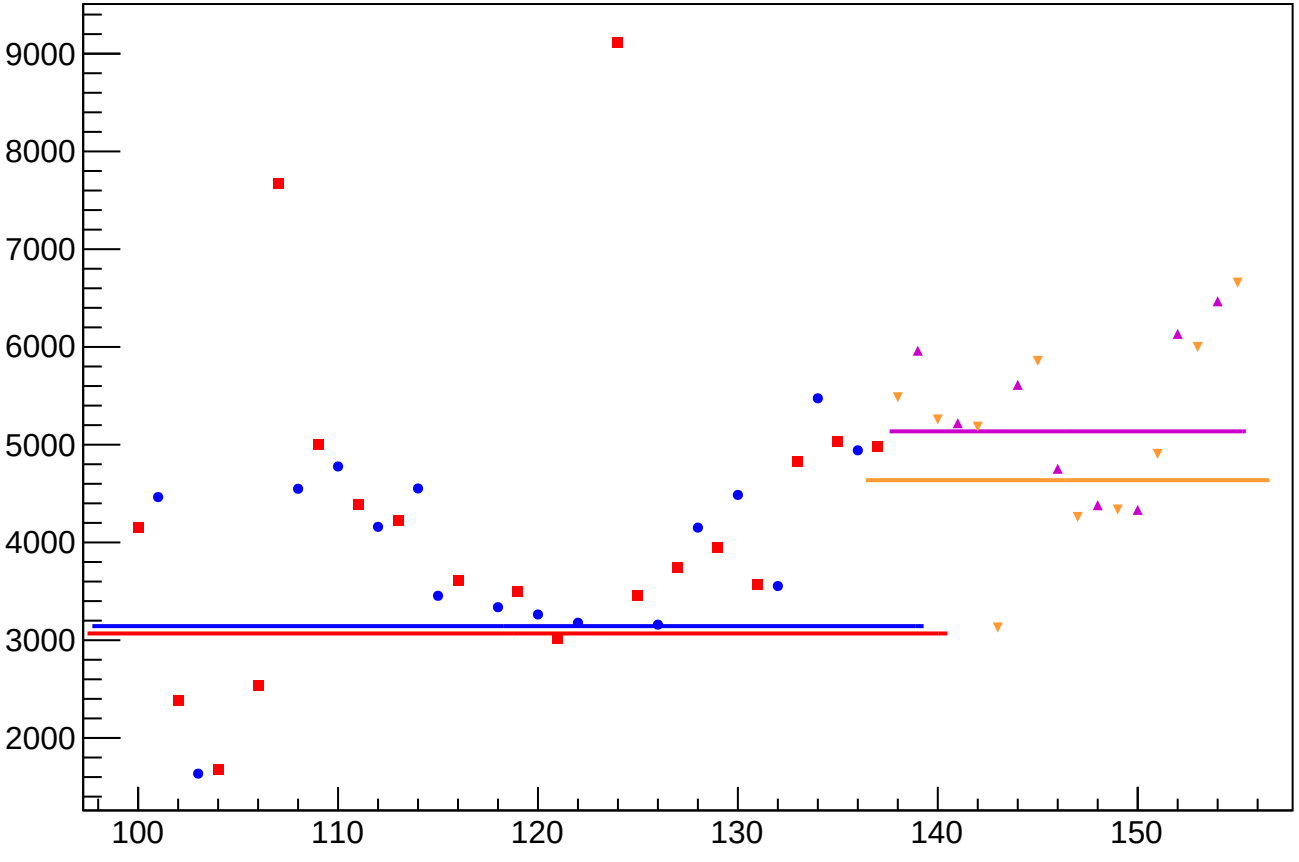
Left In: -1474.560+/-1963.618 χ^2/NDF:2.6/7

+ sign 1536.306+/-1012.535 χ^2/NDF: 24.2/25

All: 416.007+/-728.643 χ^2/NDF: 54.2/52

- sign -787.272+/-1049.364 χ^2/NDF: 27.4/26

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4636.876+/-1.204 χ^2/NDF:781104.1/9

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

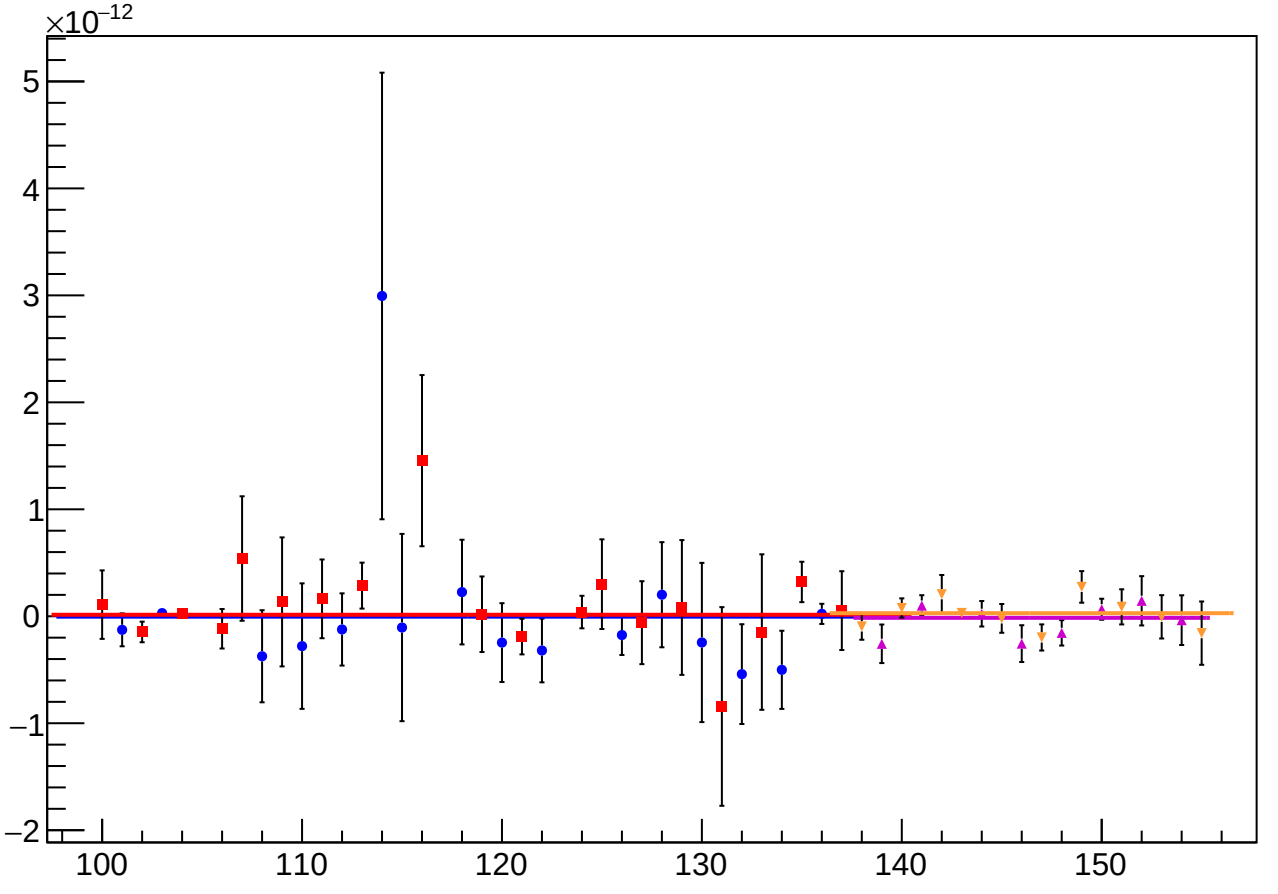
Left In: 5136.475+/-1.388 χ^2/NDF:288660.8/7

+ sign 3671.660+/-0.716 χ^2/NDF: 3657536.5/25

All: 3659.317+/-0.512 χ^2/NDF: 7426377.5/52

- sign 3646.356+/-0.734 χ^2/NDF: 3768231.8/26

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:9.2/9

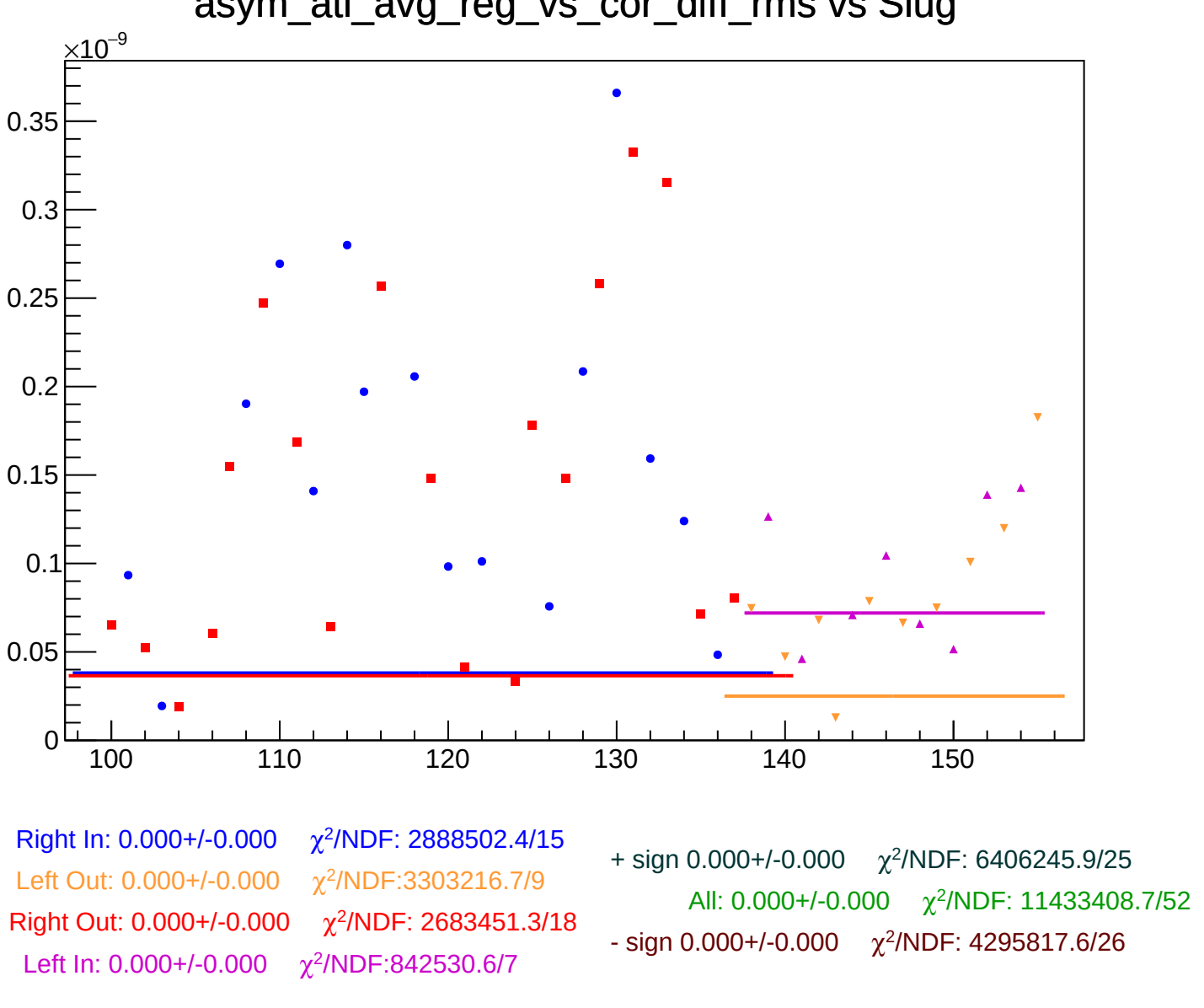
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/7

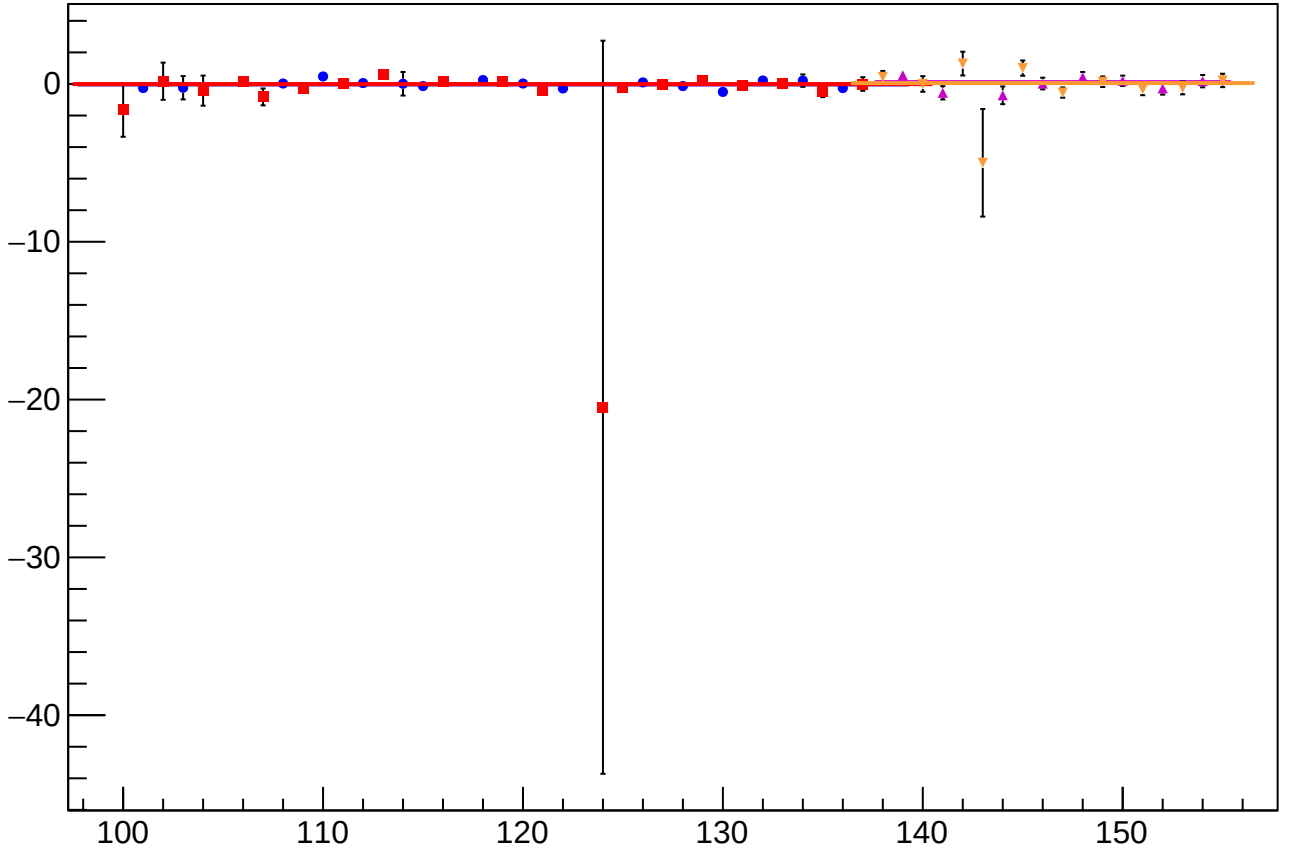
+ sign 0.000+/-0.000 χ^2/NDF: 20.5/25

All: 0.000+/-0.000 χ^2/NDF: 43.7/52

- sign 0.000+/-0.000 χ^2/NDF: 23.0/26


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
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:3303216.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:842530.6/7
+ sign 0.000+/-0.000 χ²/NDF: 6406245.9/25
All: 0.000+/-0.000 χ²/NDF: 11433408.7/52
- sign 0.000+/-0.000 χ²/NDF: 4295817.6/26

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+/-0.136 χ^2/NDF:15.0/9

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

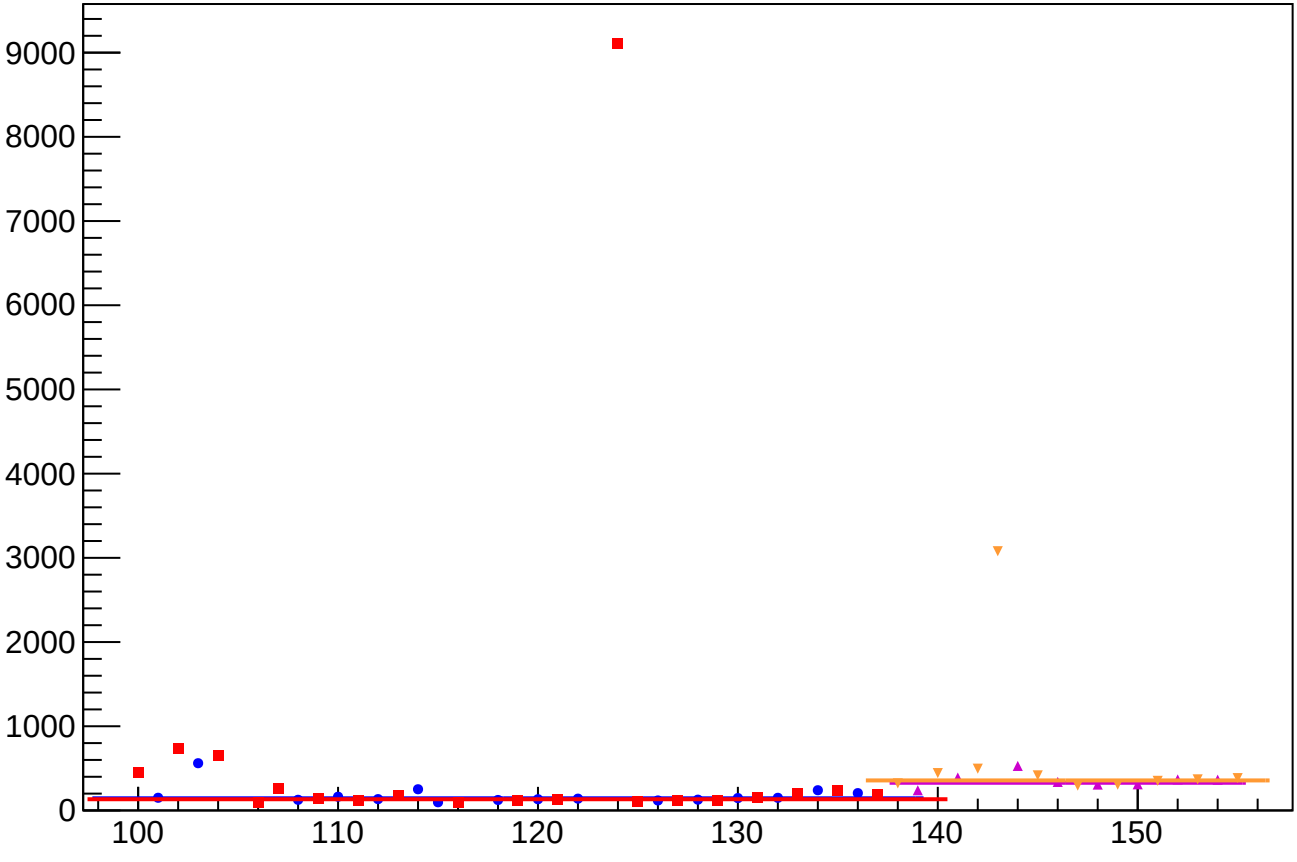
Left In: 0.117+/-0.129 χ^2/NDF:9.2/7

+ sign -0.016+/-0.053 χ^2/NDF: 32.6/25

All: -0.003+/-0.037 χ^2/NDF: 64.6/52

- sign 0.010+/-0.052 χ^2/NDF: 31.9/26

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 356.660+/-0.096 χ^2/NDF:1582694.2/9

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

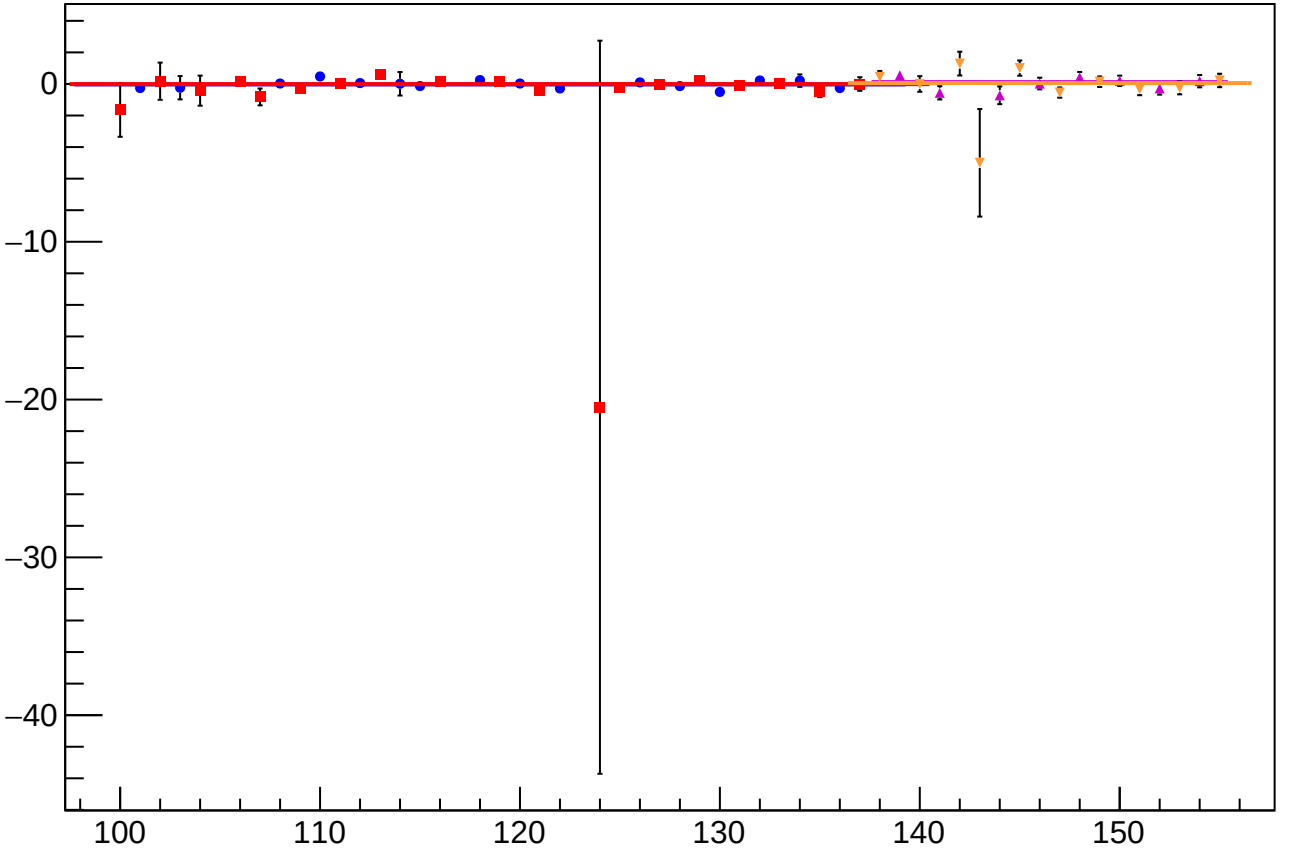
Left In: 328.871+/-0.091 χ^2/NDF:564456.5/7

+ sign 176.727+/-0.038 χ^2/NDF: 6831442.8/25

All: 170.637+/-0.026 χ^2/NDF: 13542250.2/52

- sign 164.882+/-0.037 χ^2/NDF: 6659884.2/26

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+/-0.136 χ^2/NDF:15.0/9

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

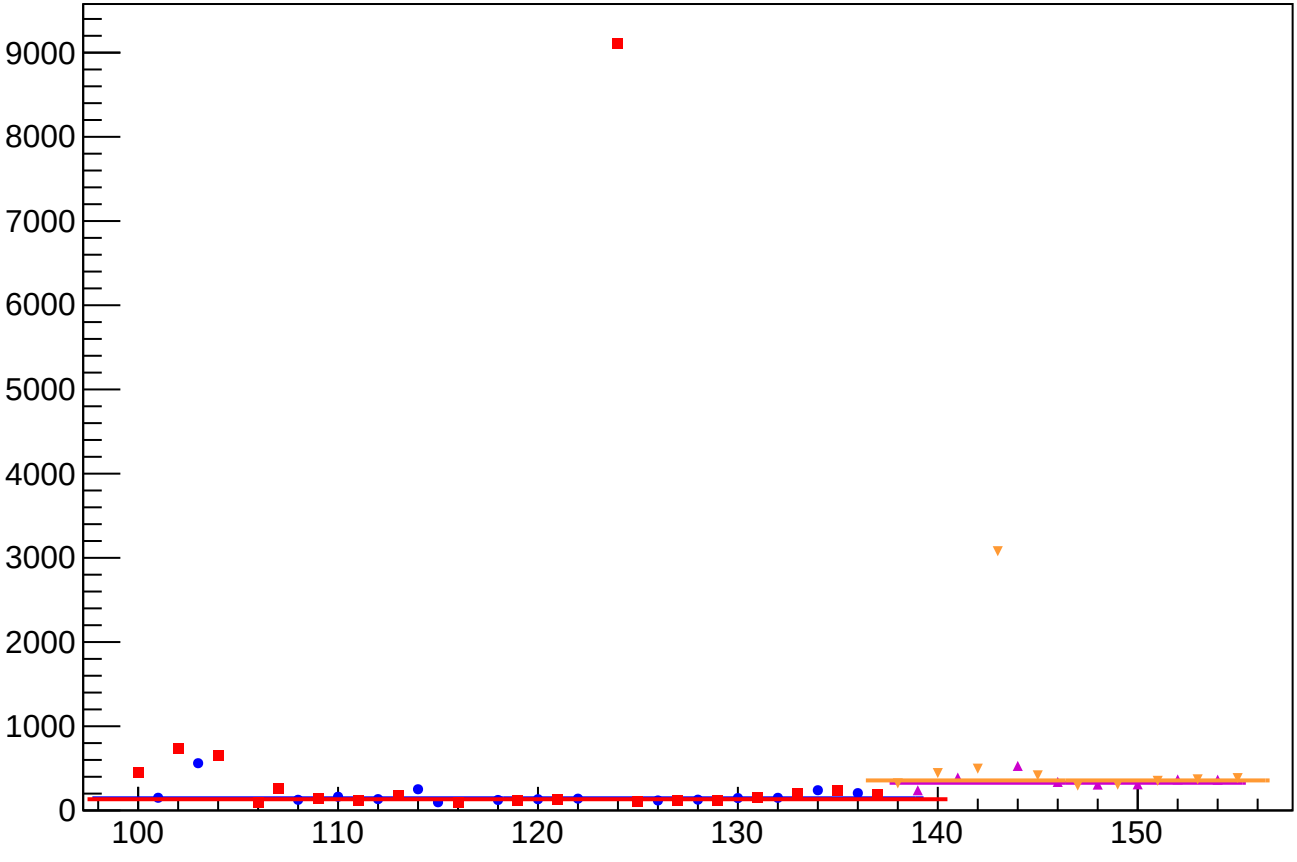
Left In: 0.117+/-0.129 χ^2/NDF:9.2/7

+ sign -0.016+/-0.053 χ^2/NDF: 32.6/25

All: -0.003+/-0.037 χ^2/NDF: 64.6/52

- sign 0.010+/-0.052 χ^2/NDF: 31.9/26

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: 356.660+/-0.096 χ^2/NDF:1582694.2/9

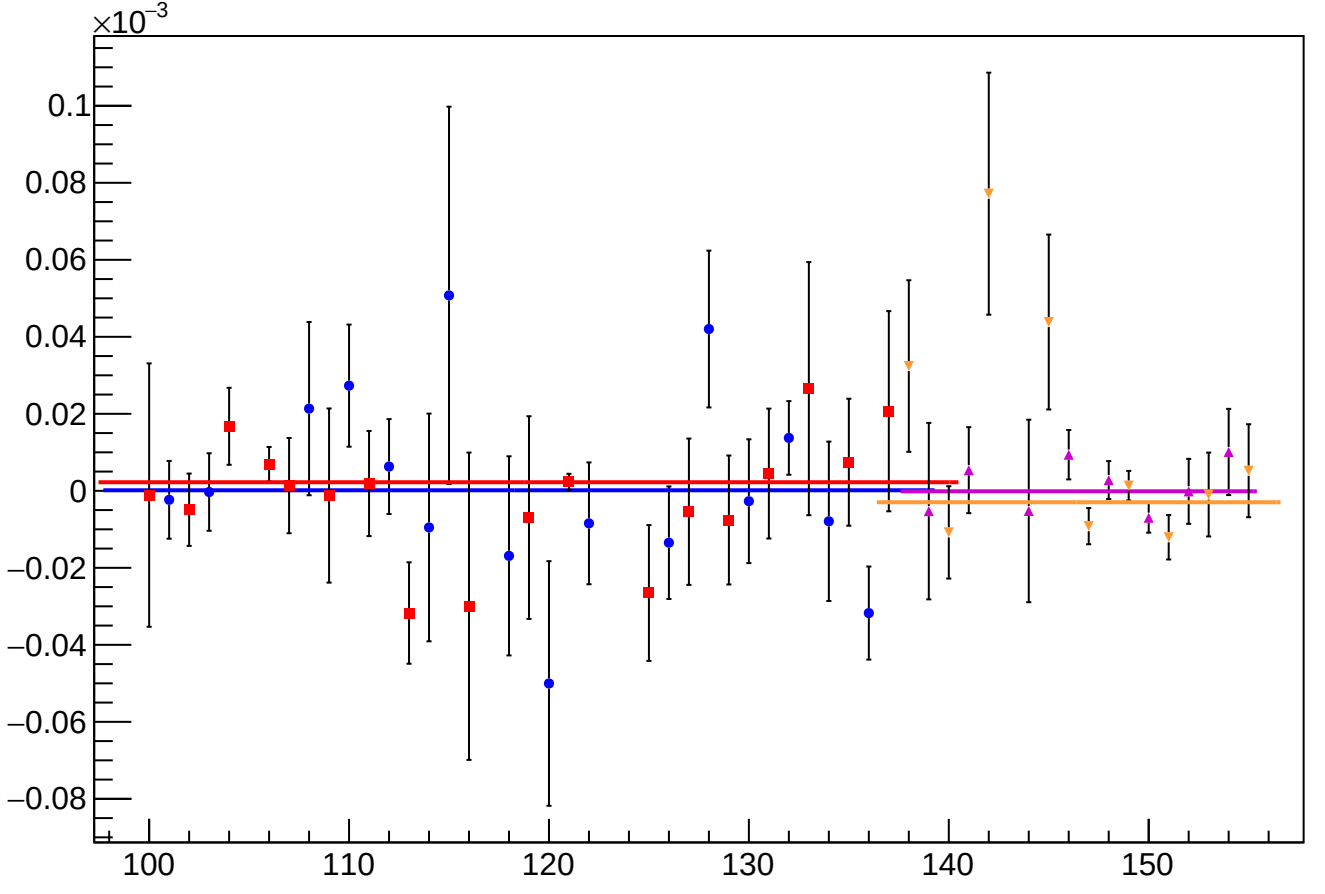
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 328.871+/-0.091 χ^2/NDF:564456.5/7

+ sign 176.727+/-0.038 χ^2/NDF: 6831442.8/25

All: 170.637+/-0.026 χ^2/NDF: 13542250.2/52

- sign 164.882+/-0.037 χ^2/NDF: 6659884.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

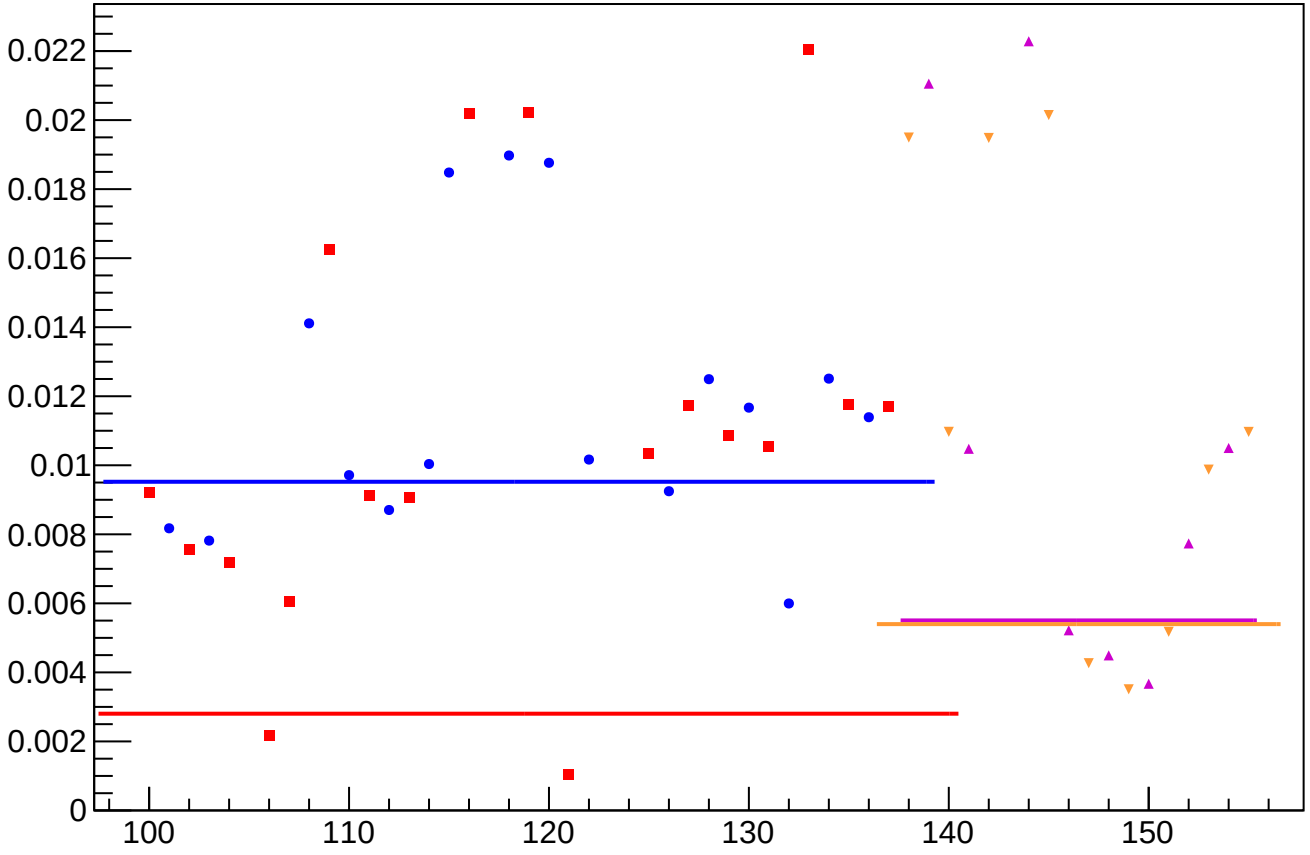
Left In: -0.000+/-0.000 χ^2/NDF:6.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/24

All: 0.000+/-0.000 χ^2/NDF: 68.0/50

- sign 0.000+/-0.000 χ^2/NDF: 23.1/25

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: 0.005+/-0.000 χ^2/NDF:3843198.1/8

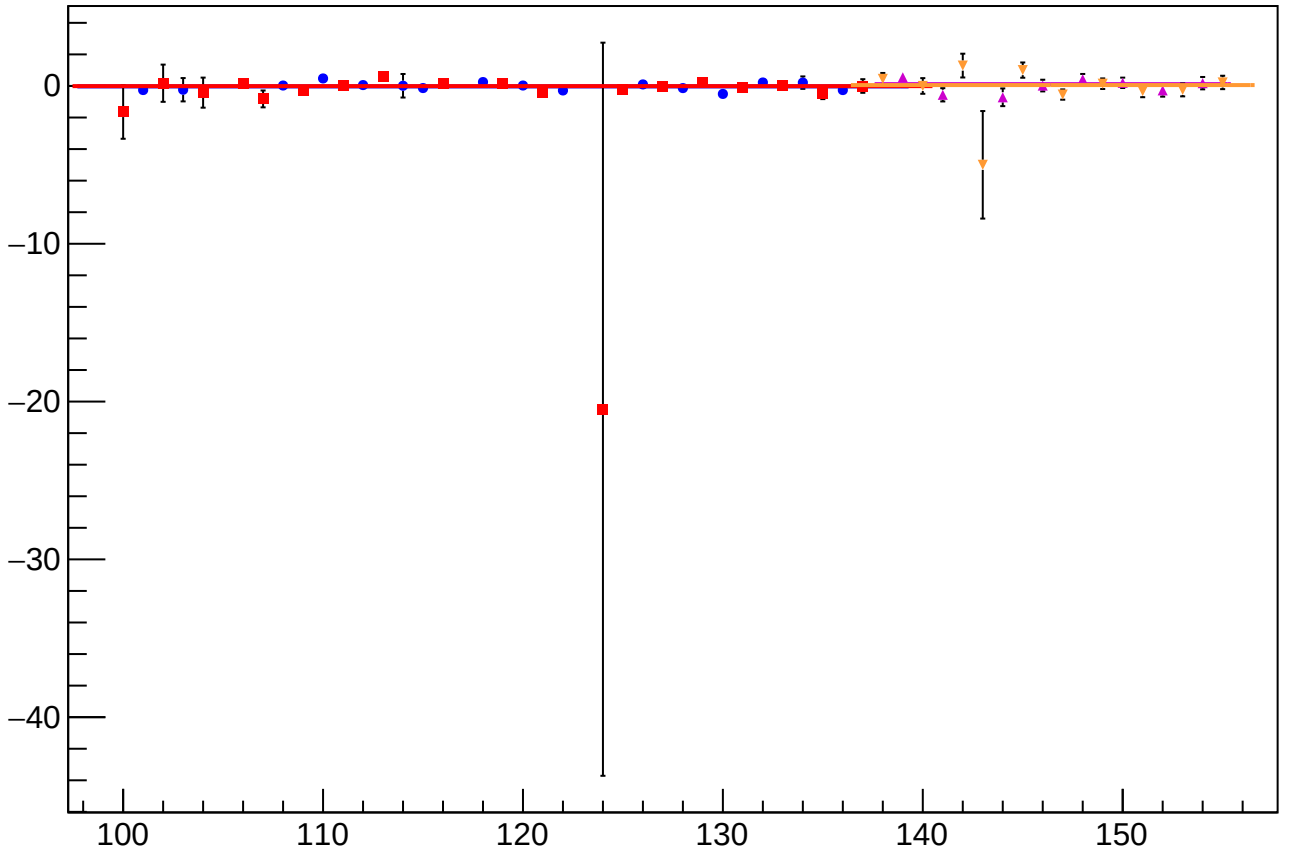
Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:3393936.5/7

+ sign 0.007+/-0.000 χ^2/NDF: 6686050.7/24

All: 0.005+/-0.000 χ^2/NDF: 23064483.9/50

- sign 0.004+/-0.000 χ^2/NDF: 13586288.5/25



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.056+/-0.136 χ^2/NDF:15.0/9

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

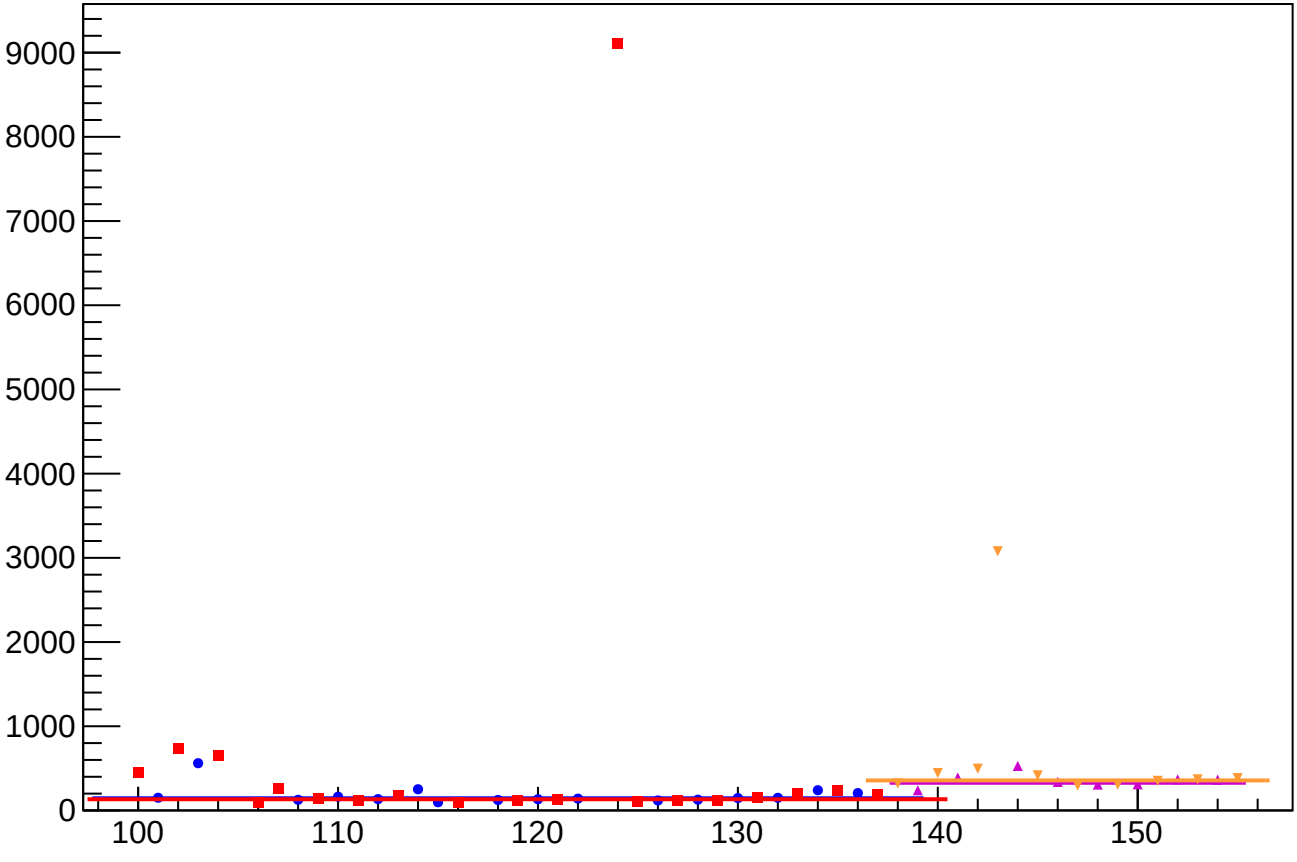
Left In: 0.117+/-0.129 χ^2/NDF:9.2/7

+ sign -0.016+/-0.053 χ^2/NDF: 32.6/25

All: -0.003+/-0.037 χ^2/NDF: 64.6/52

- sign 0.010+/-0.052 χ^2/NDF: 31.9/26

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: 356.663+/-0.096 χ^2/NDF:1582720.1/9

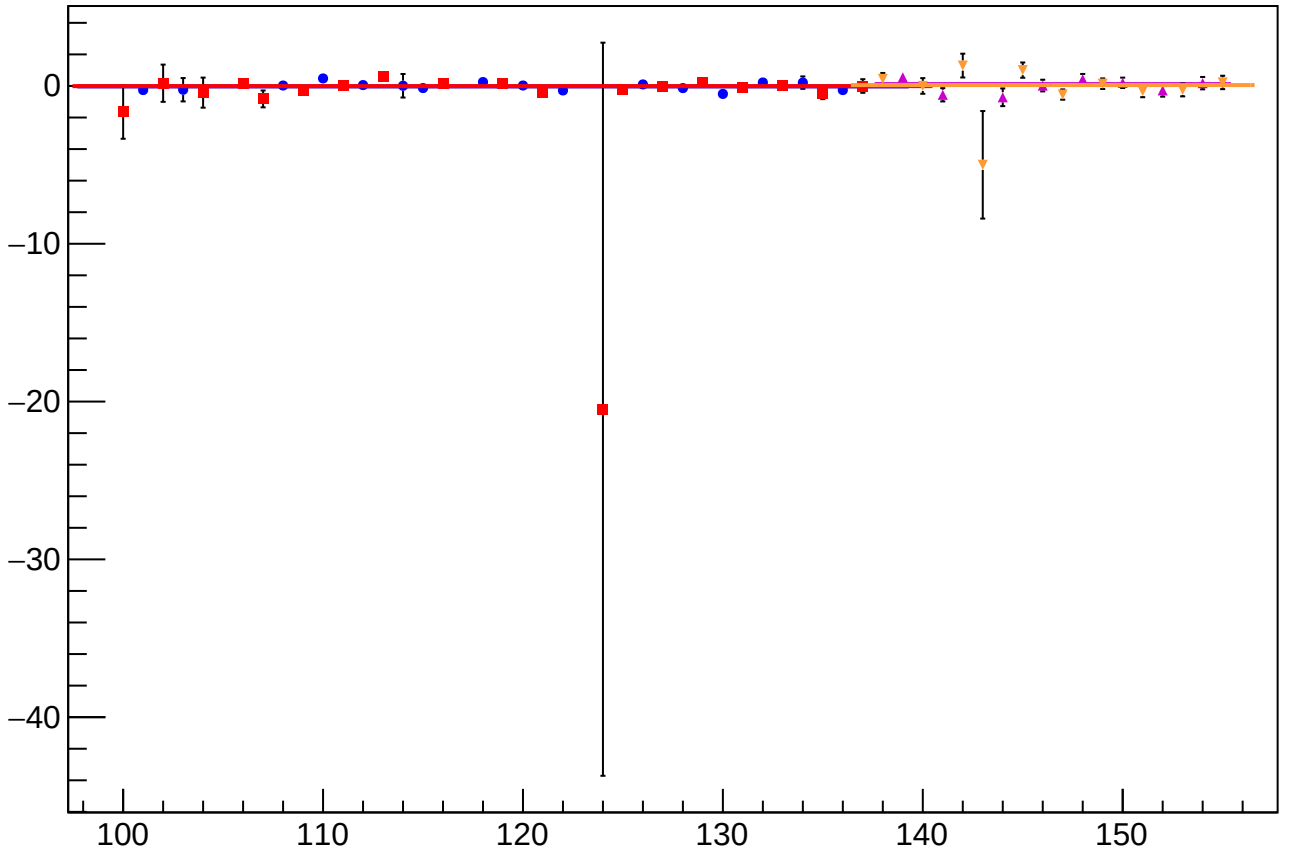
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 328.876+/-0.091 χ^2/NDF:564444.4/7

+ sign 176.726+/-0.038 χ^2/NDF: 6831625.4/25

All: 170.636+/-0.026 χ^2/NDF: 13542499.8/52

- sign 164.882+/-0.037 χ^2/NDF: 6659958.5/26



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.056+/-0.136 χ^2/NDF:15.0/9

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

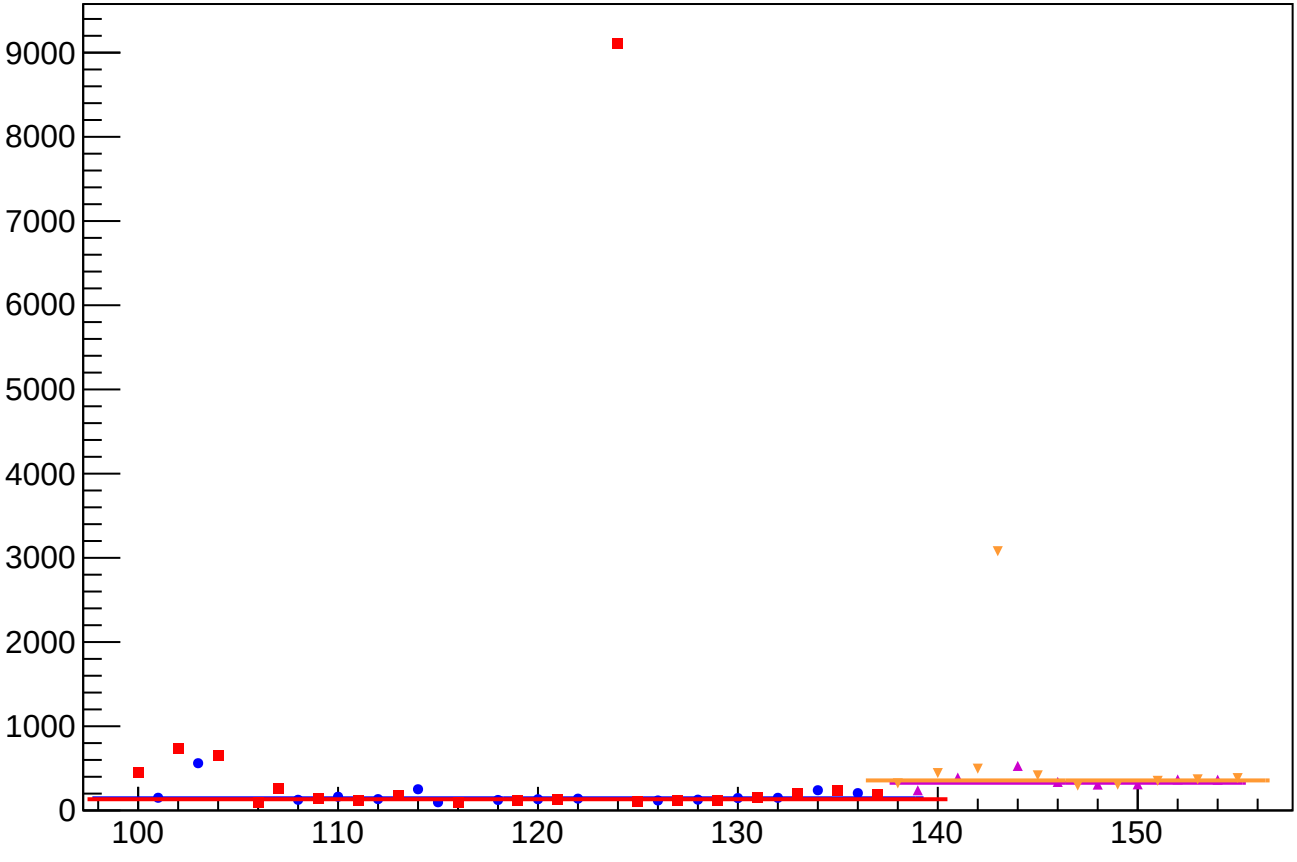
Left In: 0.117+/-0.129 χ^2/NDF:9.2/7

+ sign -0.016+/-0.053 χ^2/NDF: 32.6/25

All: -0.003+/-0.037 χ^2/NDF: 64.6/52

- sign 0.010+/-0.052 χ^2/NDF: 31.9/26

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: 356.663+/-0.096 χ^2/NDF:1582720.1/9

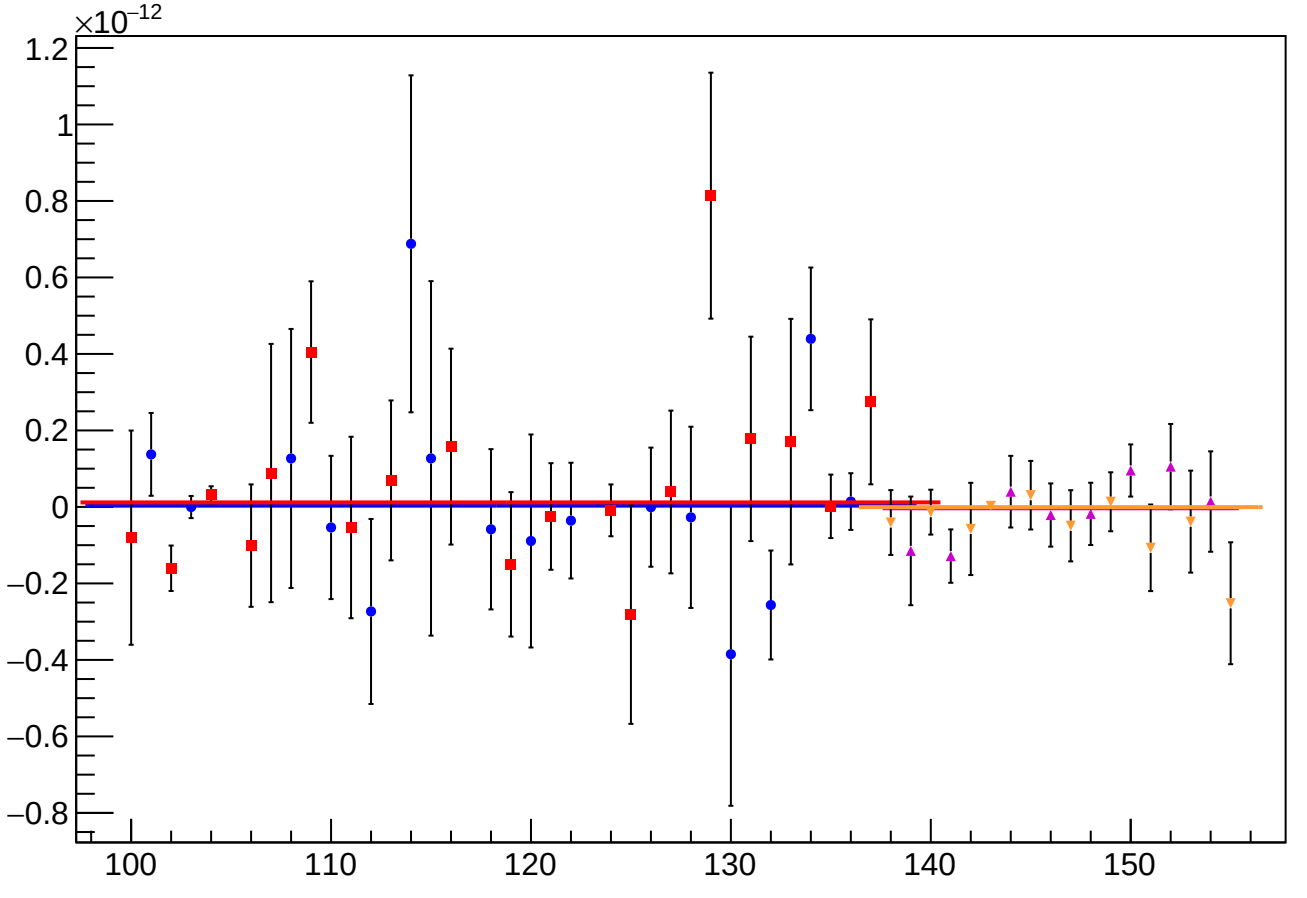
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 328.876+/-0.091 χ^2/NDF:564444.4/7

+ sign 176.726+/-0.038 χ^2/NDF: 6831625.4/25

All: 170.636+/-0.026 χ^2/NDF: 13542499.8/52

- sign 164.882+/-0.037 χ^2/NDF: 6659958.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

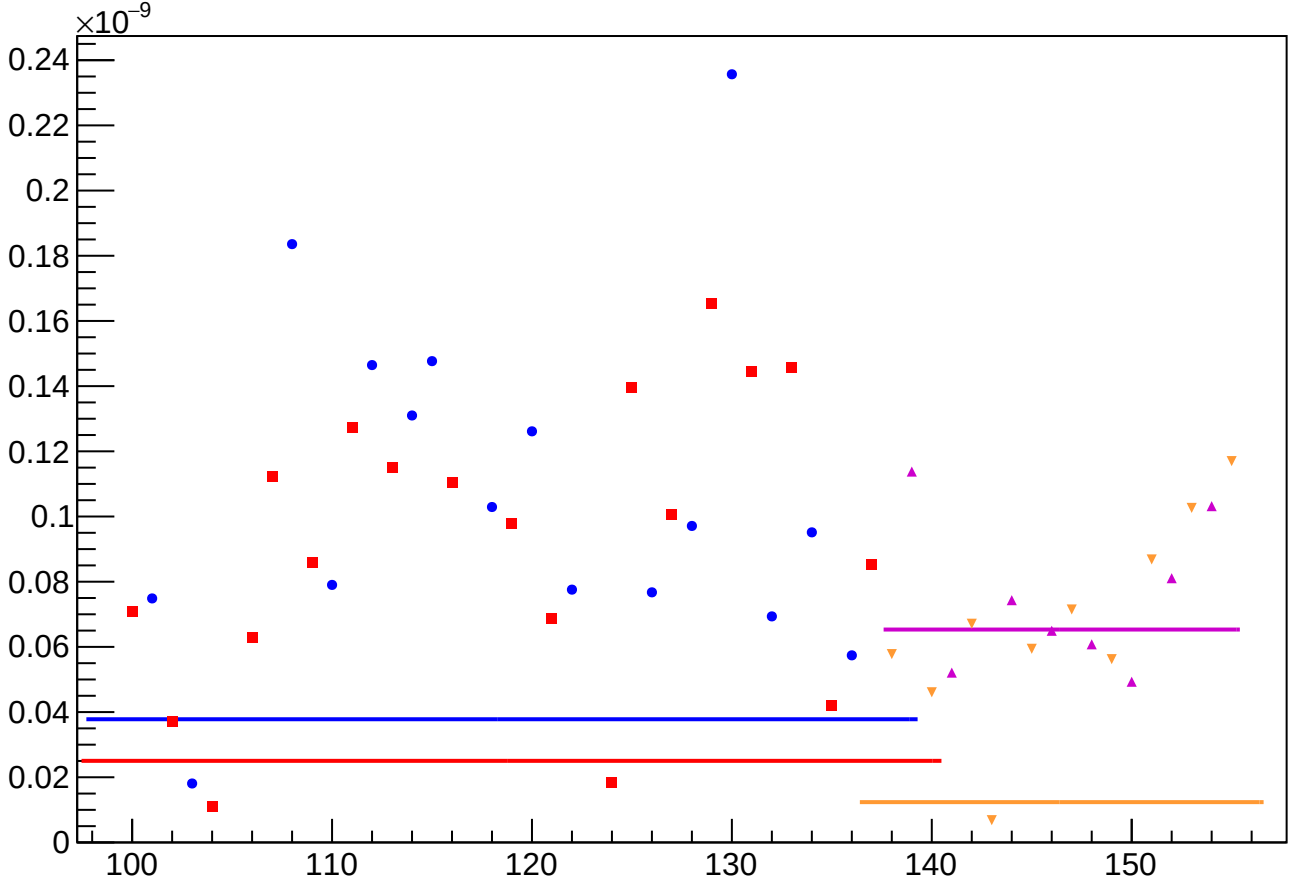
Left In: -0.000+/-0.000 χ^2/NDF:7.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 20.1/25

All: 0.000+/-0.000 χ^2/NDF: 52.8/52

- sign 0.000+/-0.000 χ^2/NDF: 32.5/26

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:6903143.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

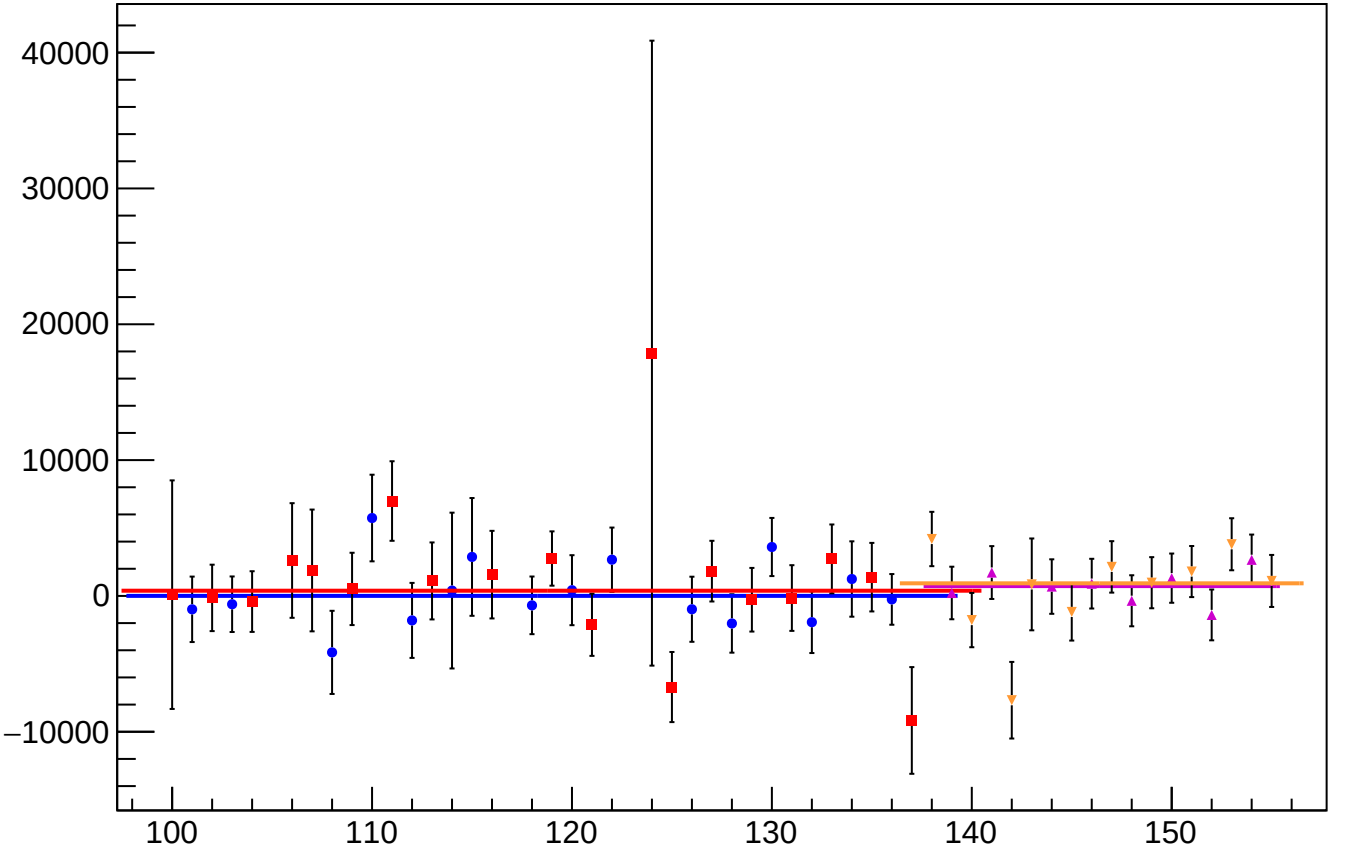
Left In: 0.000+/-0.000 χ^2/NDF:645920.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 12795910.0/25

All: 0.000+/-0.000 χ^2/NDF: 22909743.6/52

- sign 0.000+/-0.000 χ^2/NDF: 7797840.3/26

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 928.491+/-655.358 χ^2/NDF:17.7/9

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

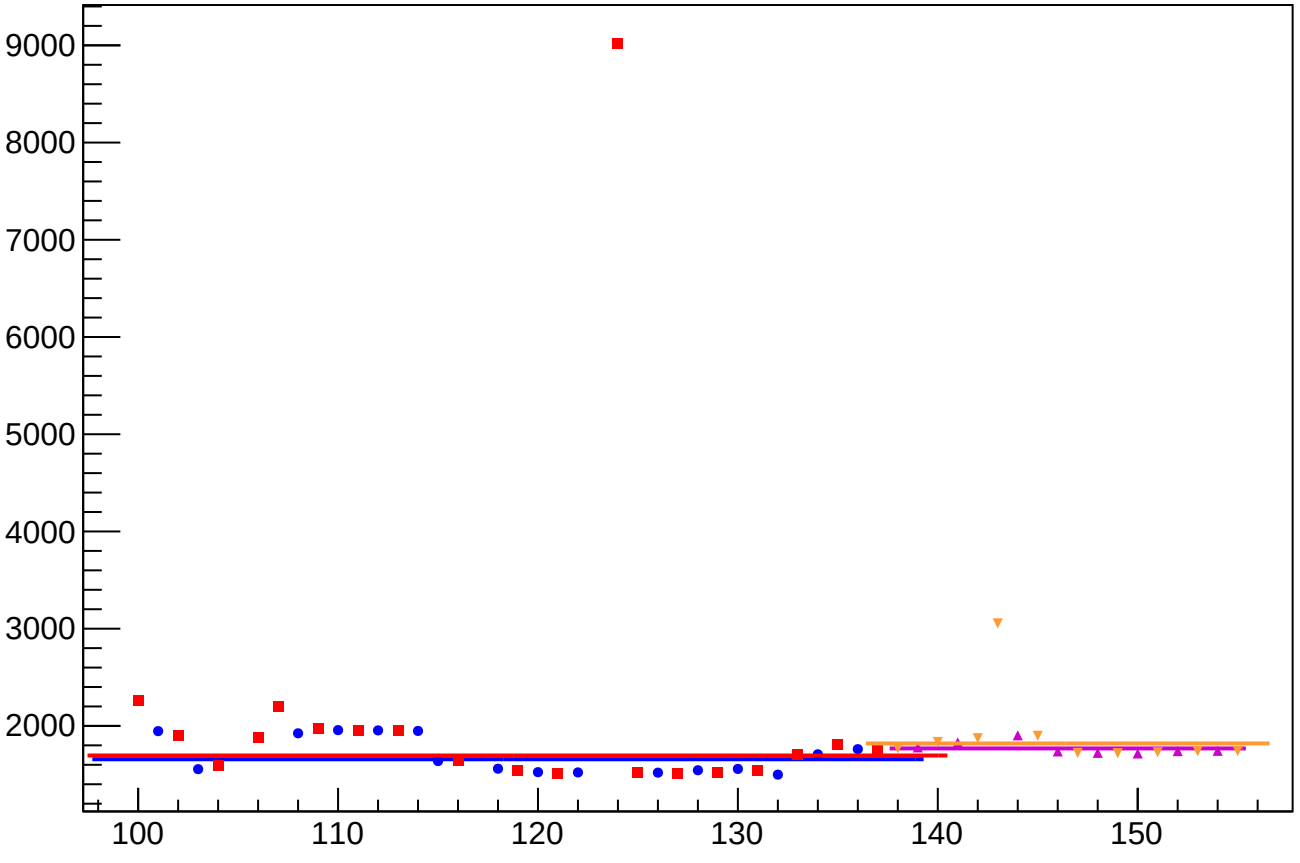
Left In: 723.993+/-667.781 χ^2/NDF:3.2/7

\+ sign 440.761+/-450.351 χ^2/NDF: 31.2/25

All: 492.056+/-321.688 χ^2/NDF: 58.5/52

\- sign 545.493+/-459.663 χ^2/NDF: 27.3/26

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1819.506+/-0.463 χ^2/NDF:293957.8/9

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

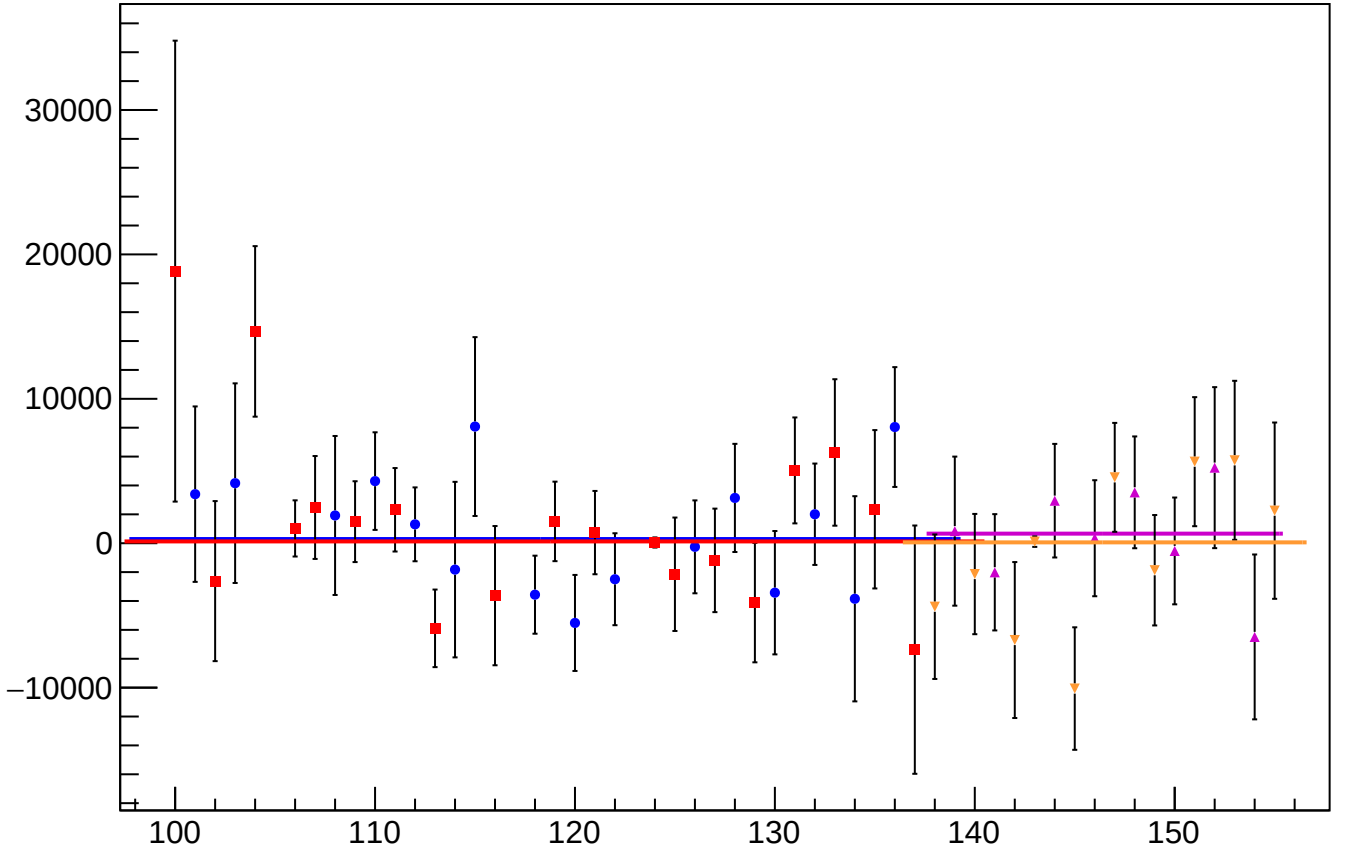
Left In: 1768.396+/-0.472 χ^2/NDF:15276.6/7

+ sign 1733.802+/-0.318 χ^2/NDF: 502748.3/25

All: 1731.911+/-0.227 χ^2/NDF: 916856.8/52

- sign 1729.951+/-0.324 χ^2/NDF: 414036.7/26

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 59.194+/-354.032 χ^2/NDF:12.8/9

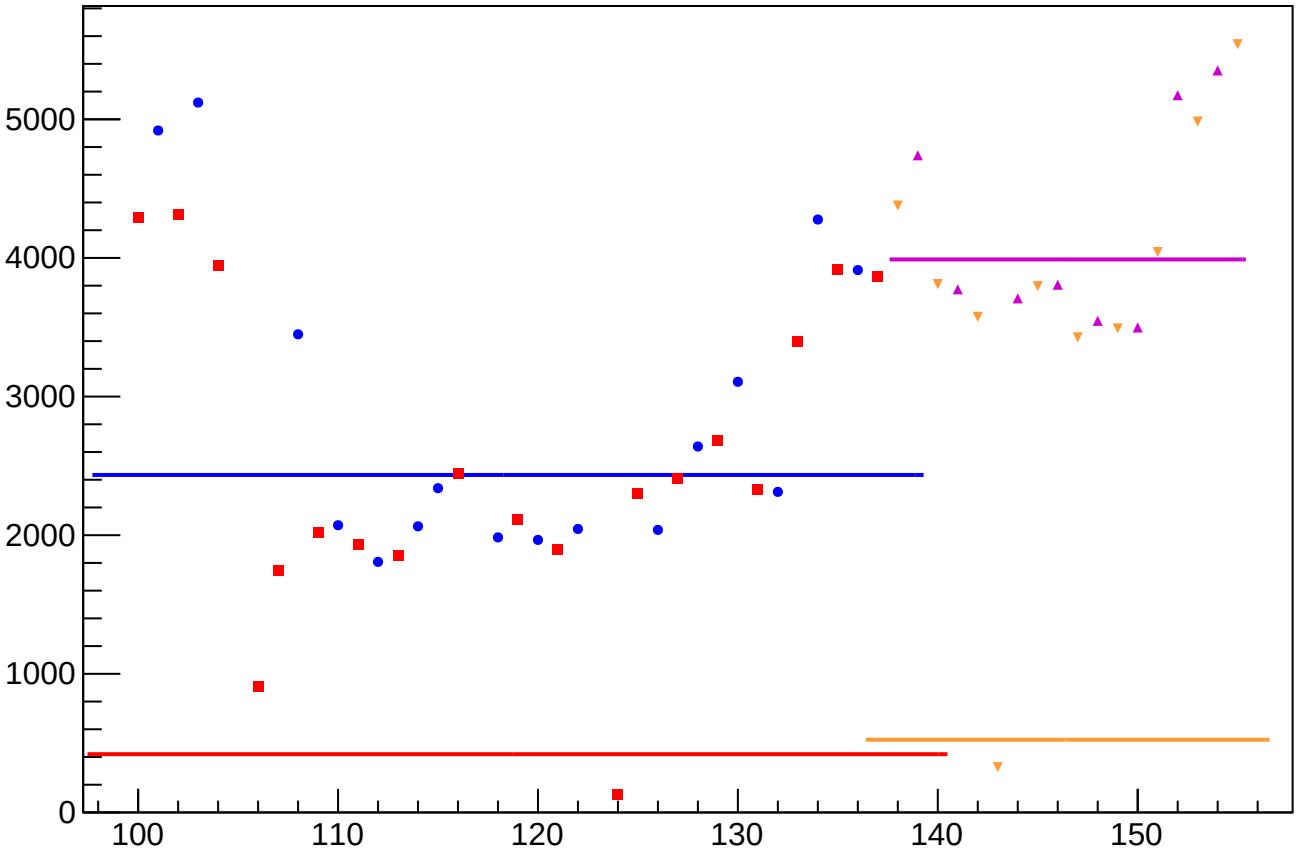
Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: 663.991+/-1527.514 χ^2/NDF:3.7/7

\+ sign 86.683+/-332.209 χ^2/NDF: 28.1/25

All: 119.189+/-229.220 χ^2/NDF: 52.7/52

\- sign 148.727+/-316.681 χ^2/NDF: 24.6/26



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 524.822+/-0.250 χ^2/NDF:11144521.5/9

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

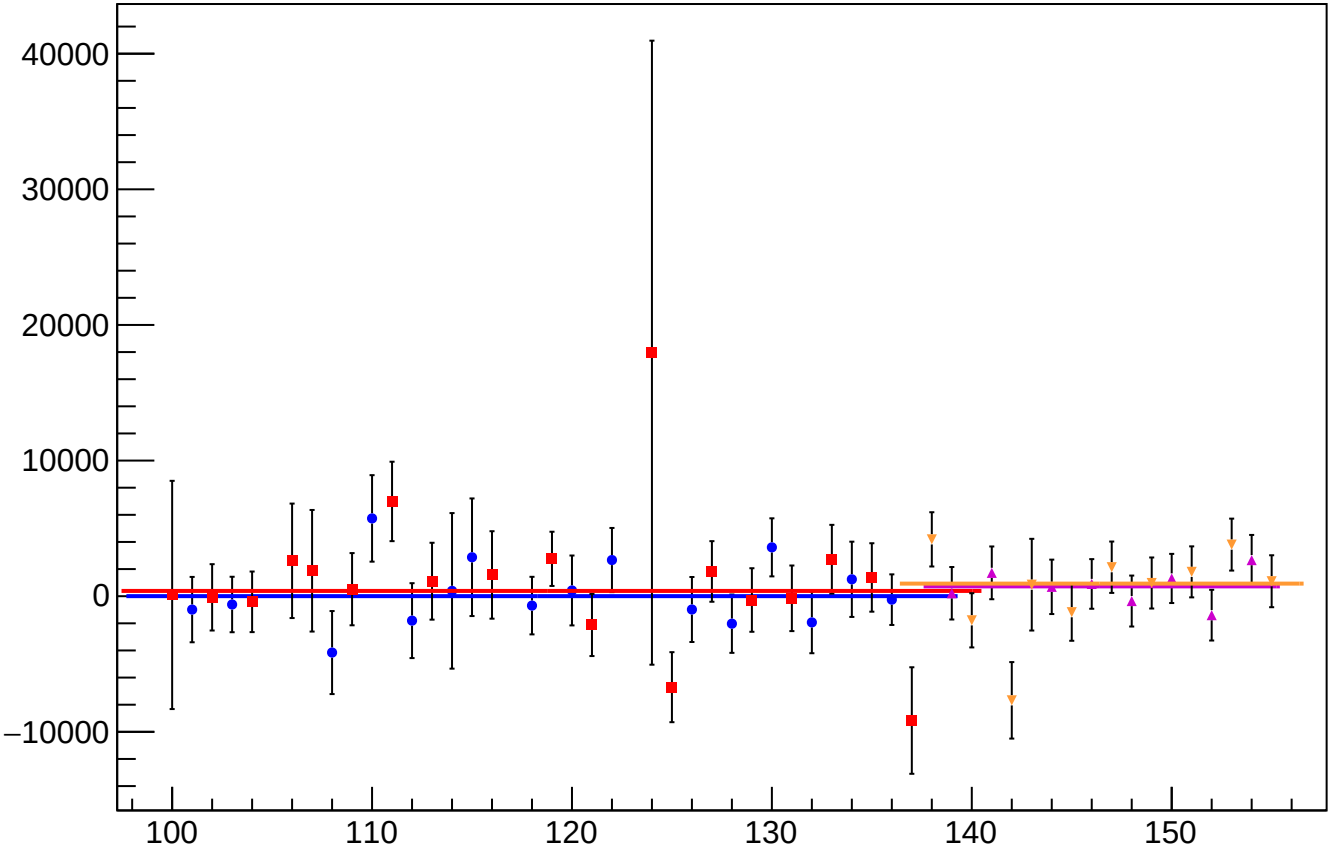
Left In: 3989.187+/-1.080 χ^2/NDF:328209.0/7

+ sign 753.010+/-0.235 χ^2/NDF: 19555991.6/25

All: 659.059+/-0.162 χ^2/NDF: 41701829.2/52

- sign 573.686+/-0.224 χ^2/NDF: 21840525.7/26

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 928.359+/-655.358 χ^2/NDF:17.7/9

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

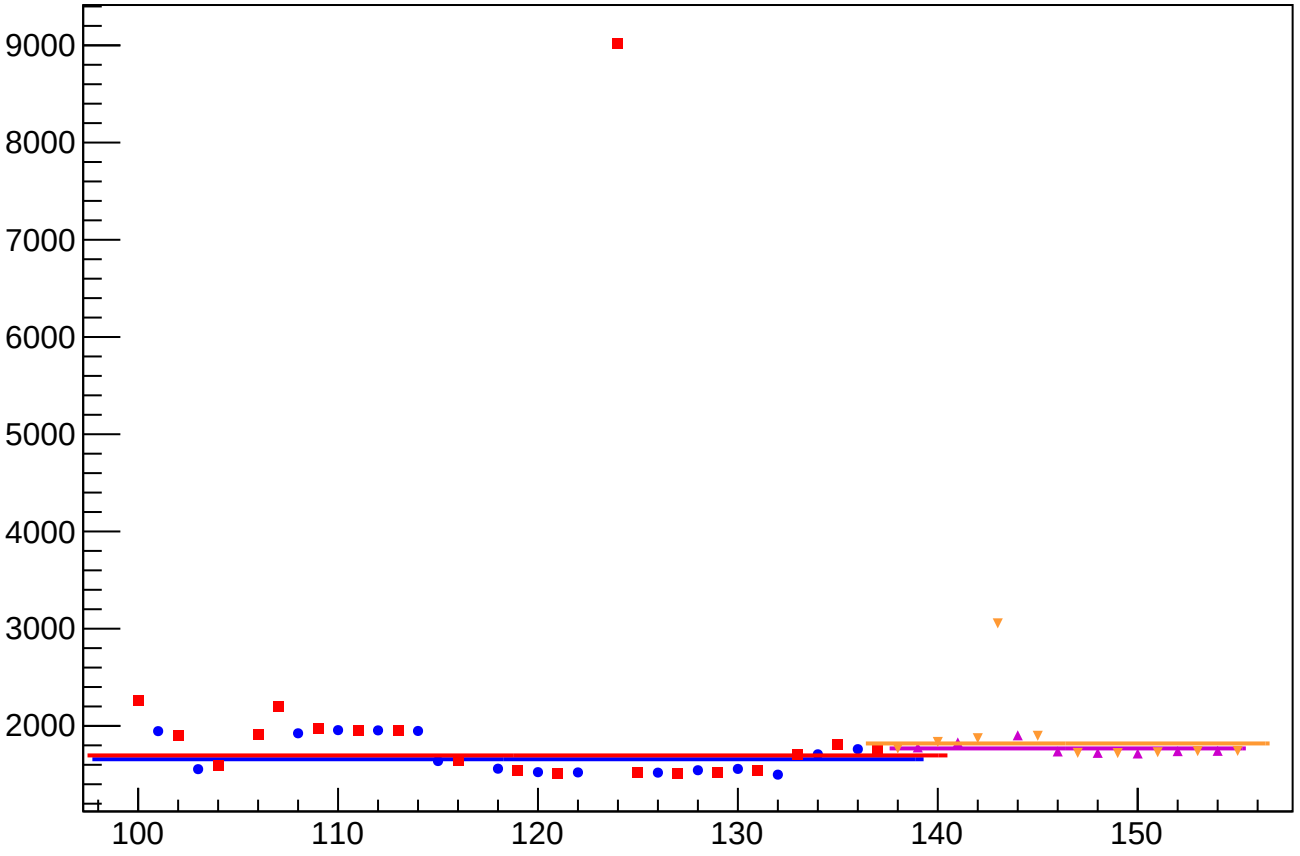
Left In: 723.975+/-667.781 χ^2/NDF:3.2/7

\+ sign 440.658+/-450.351 χ^2/NDF: 31.2/25

All: 493.107+/-321.689 χ^2/NDF: 58.5/52

\- sign 547.747+/-459.665 χ^2/NDF: 27.3/26

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1819.506+/-0.463 χ^2/NDF:293957.8/9

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

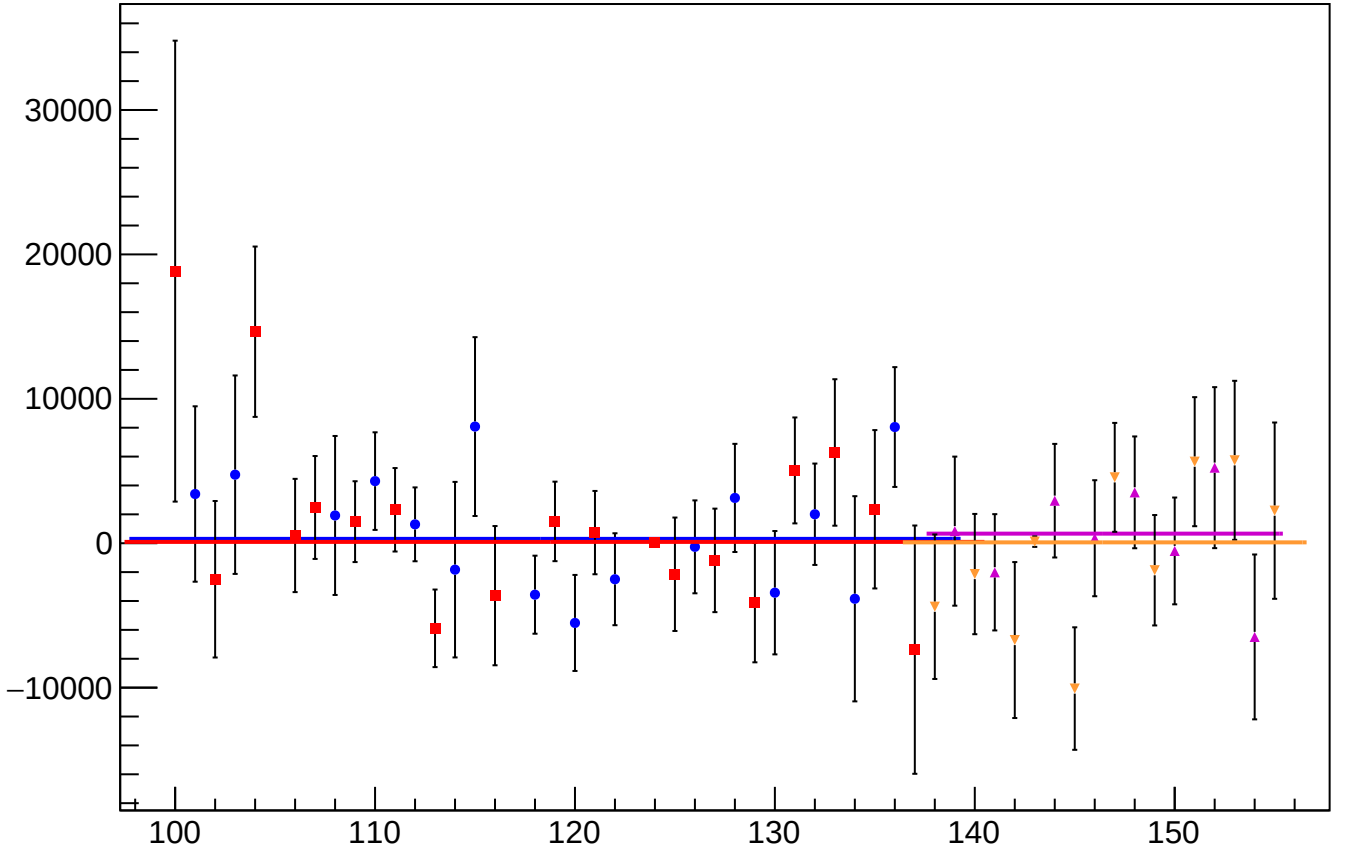
Left In: 1768.397+/-0.472 χ^2/NDF:15276.6/7

+ sign 1733.802+/-0.318 χ^2/NDF: 502748.4/25

All: 1732.126+/-0.227 χ^2/NDF: 918322.1/52

- sign 1730.387+/-0.324 χ^2/NDF: 415517.2/26

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 59.643+/-354.005 χ^2/NDF:12.8/9

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

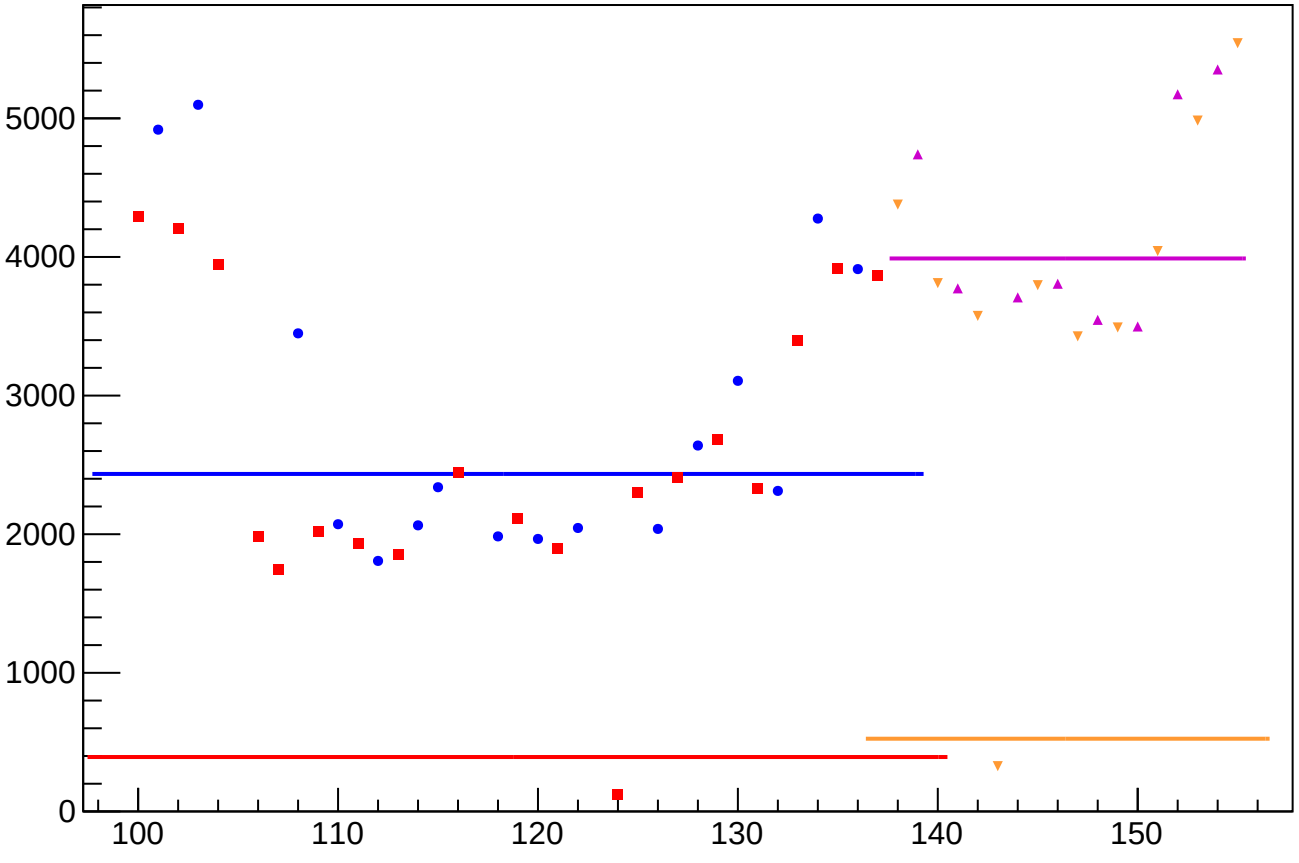
Left In: 664.018+/-1527.513 χ^2/NDF:3.7/7

+ sign 88.584+/-332.182 χ^2/NDF: 28.2/25

All: 103.097+/-226.334 χ^2/NDF: 52.6/52

- sign 115.674+/-309.220 χ^2/NDF: 24.4/26

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 524.765+/-0.250 χ^2/NDF:11144783.7/9

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

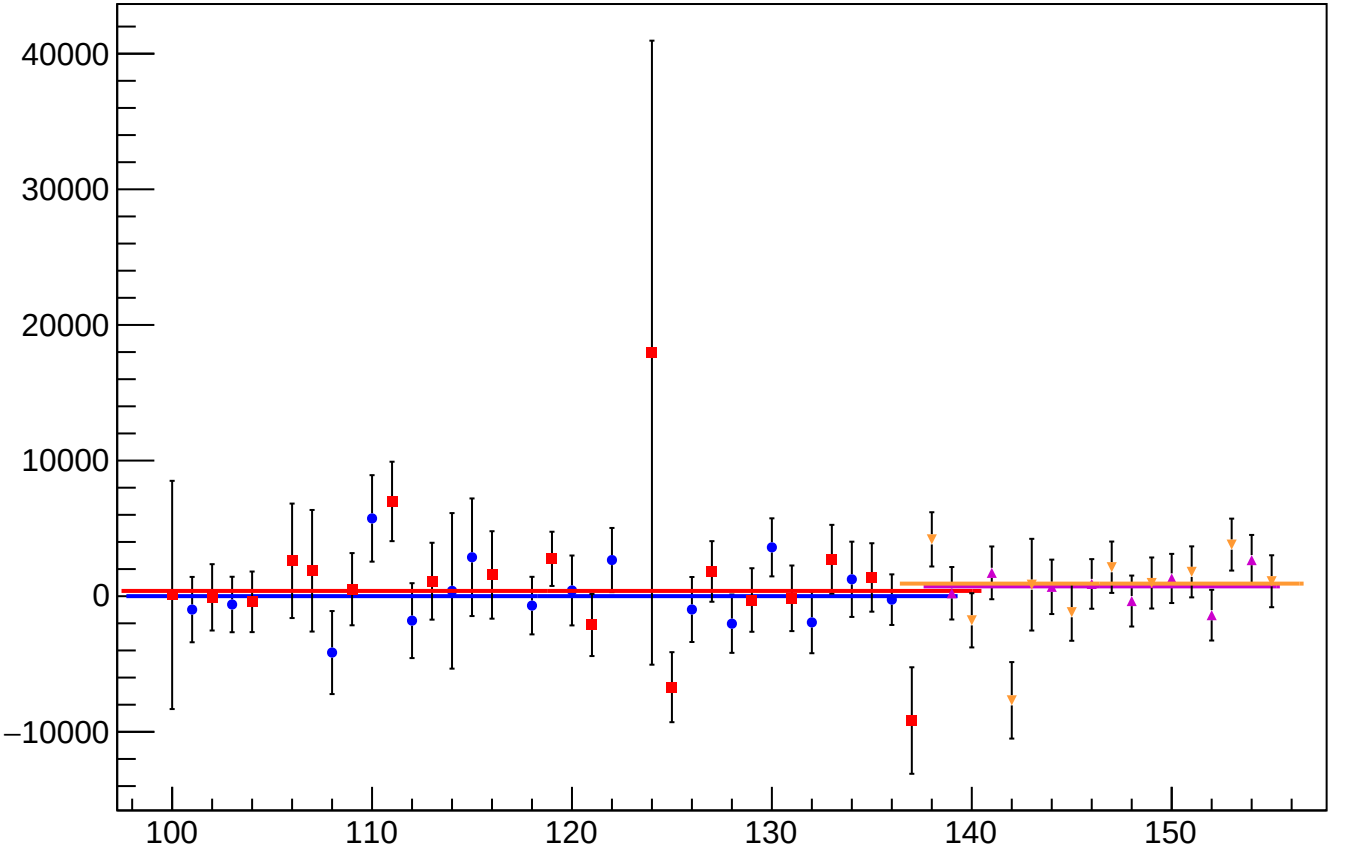
Left In: 3989.184+/-1.080 χ^2/NDF:328203.0/7

+ sign 752.999+/-0.235 χ^2/NDF: 19557811.9/25

All: 638.910+/-0.160 χ^2/NDF: 42367297.8/52

- sign 540.048+/-0.219 χ^2/NDF: 22369133.7/26

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 928.359+/-655.358 χ^2/NDF:17.7/9

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

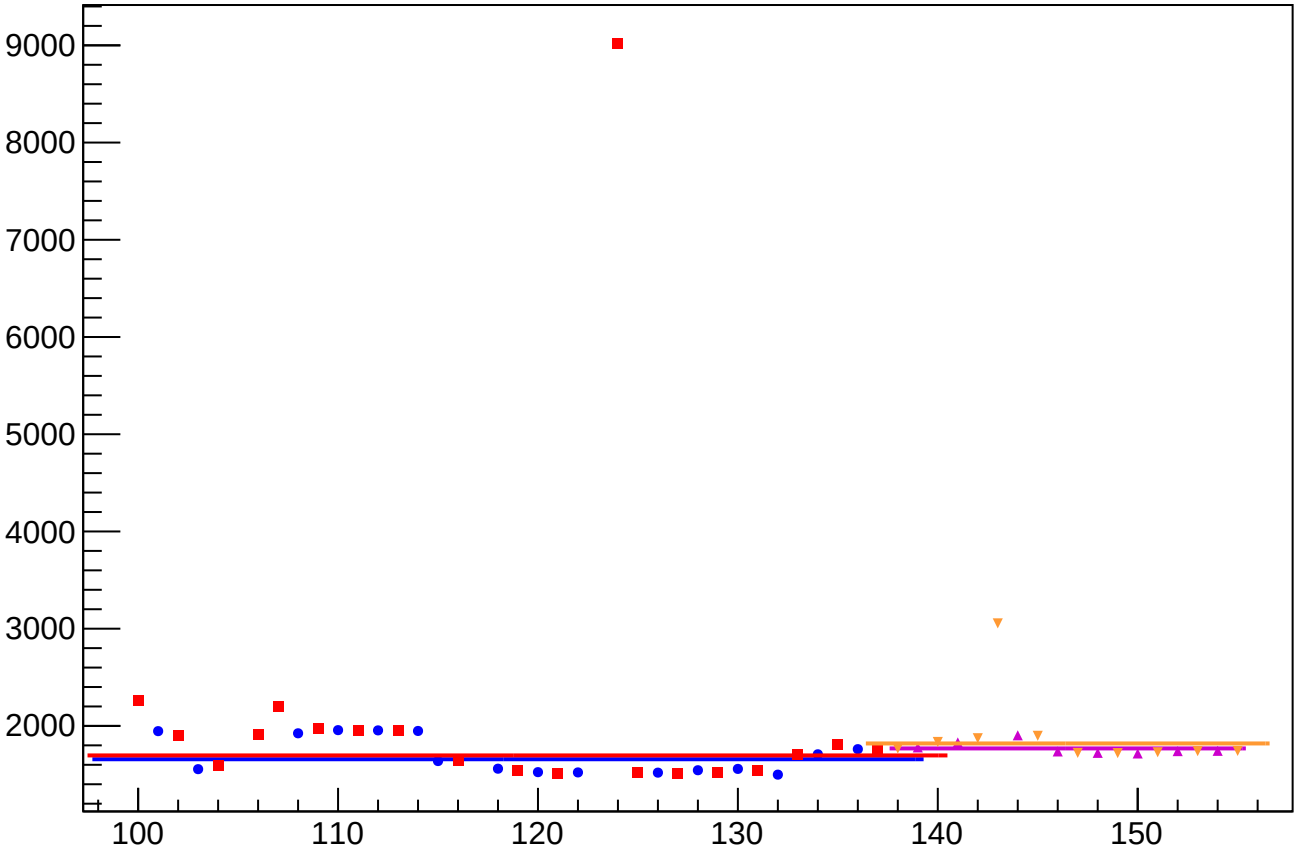
Left In: 723.975+/-667.781 χ^2/NDF:3.2/7

\+ sign 440.658+/-450.351 χ^2/NDF: 31.2/25

All: 493.107+/-321.689 χ^2/NDF: 58.5/52

\- sign 547.747+/-459.665 χ^2/NDF: 27.3/26

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1819.506+/-0.463 χ^2/NDF:293957.8/9

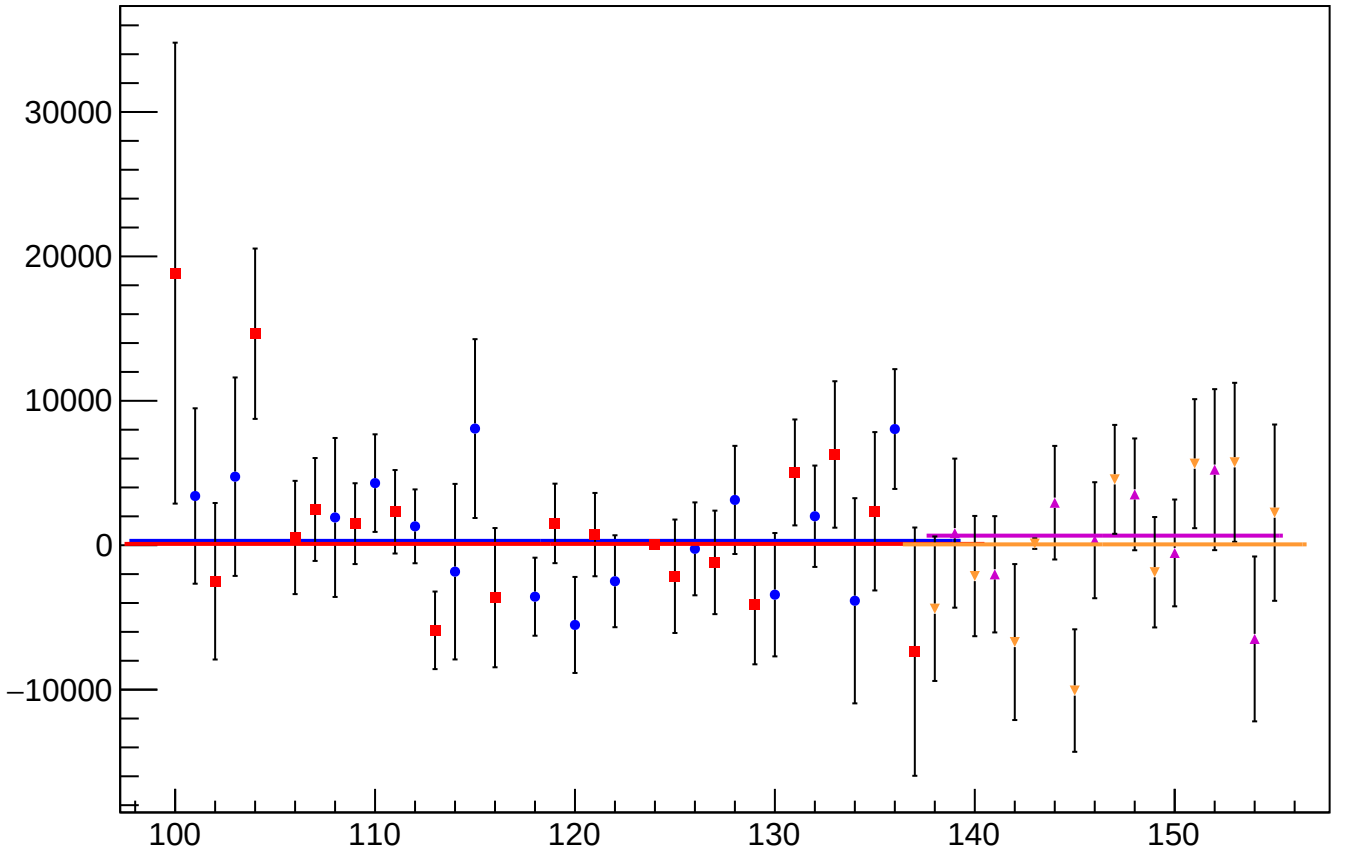
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1768.397+/-0.472 χ^2/NDF:15276.6/7

+ sign 1733.802+/-0.318 χ^2/NDF: 502748.4/25

All: 1732.126+/-0.227 χ^2/NDF: 918322.1/52

- sign 1730.387+/-0.324 χ^2/NDF: 415517.2/26



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 59.643+/-354.005 χ^2/NDF:12.8/9

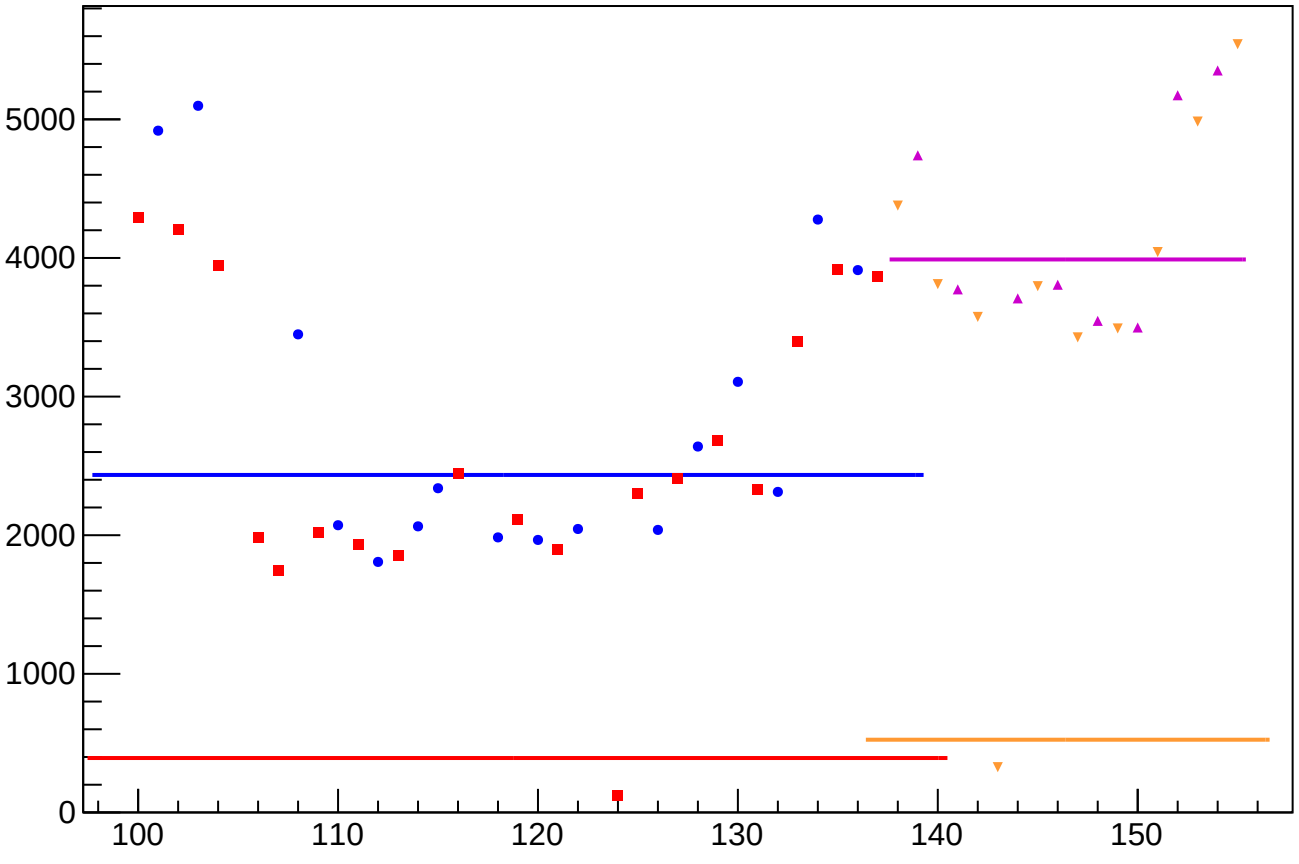
Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 664.018+/-1527.513 χ^2/NDF:3.7/7

+ sign 88.584+/-332.182 χ^2/NDF: 28.2/25

All: 103.097+/-226.334 χ^2/NDF: 52.6/52

- sign 115.674+/-309.220 χ^2/NDF: 24.4/26



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 524.765+/-0.250 χ^2/NDF:11144783.7/9

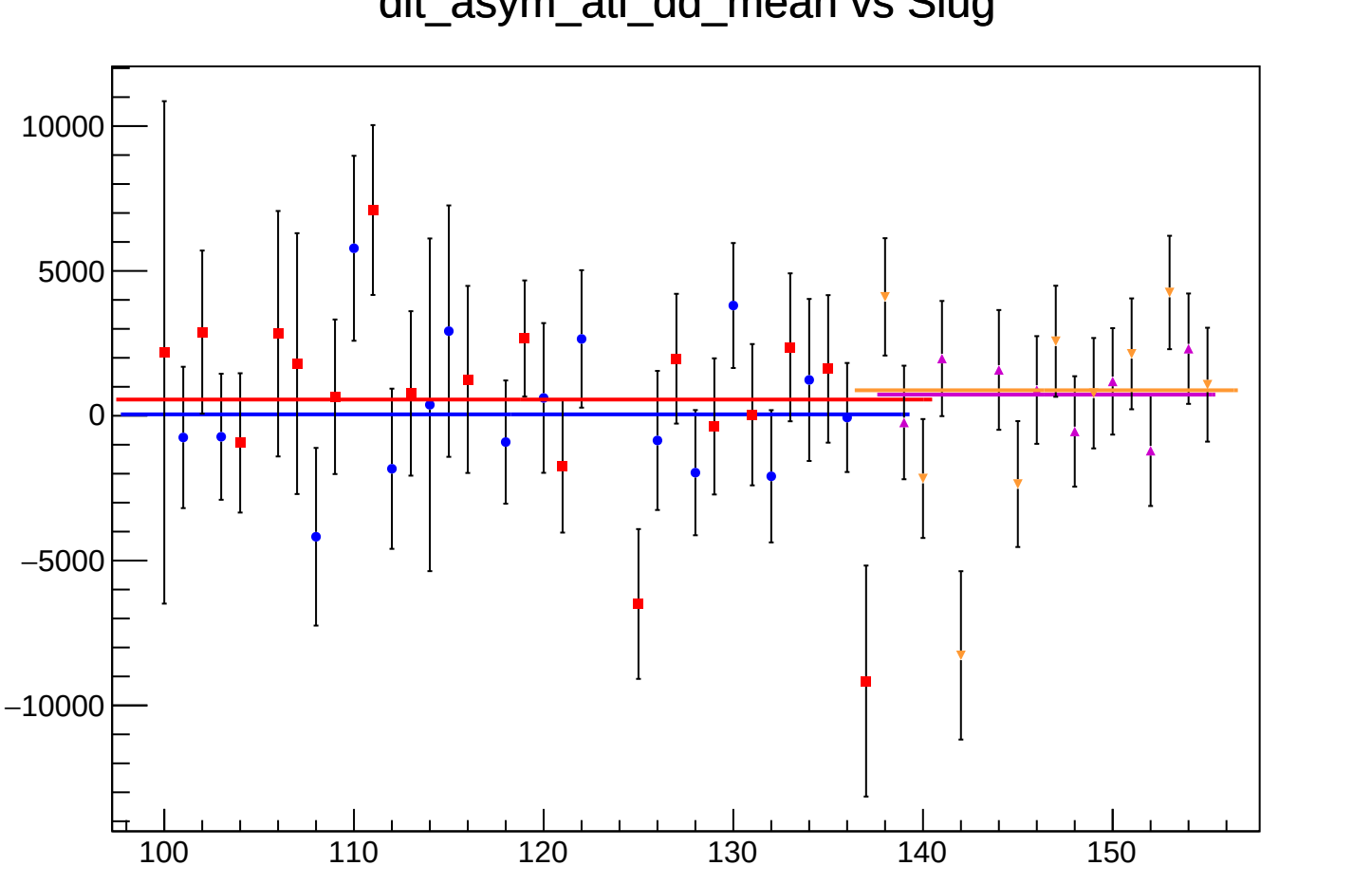
Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3989.184+/-1.080 χ^2/NDF:328203.0/7

+ sign 752.999+/-0.235 χ^2/NDF: 19557811.9/25

All: 638.910+/-0.160 χ^2/NDF: 42367297.8/52

- sign 540.048+/-0.219 χ^2/NDF: 22369133.7/26



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 880.146+/-681.831 χ^2/NDF:21.1/8

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

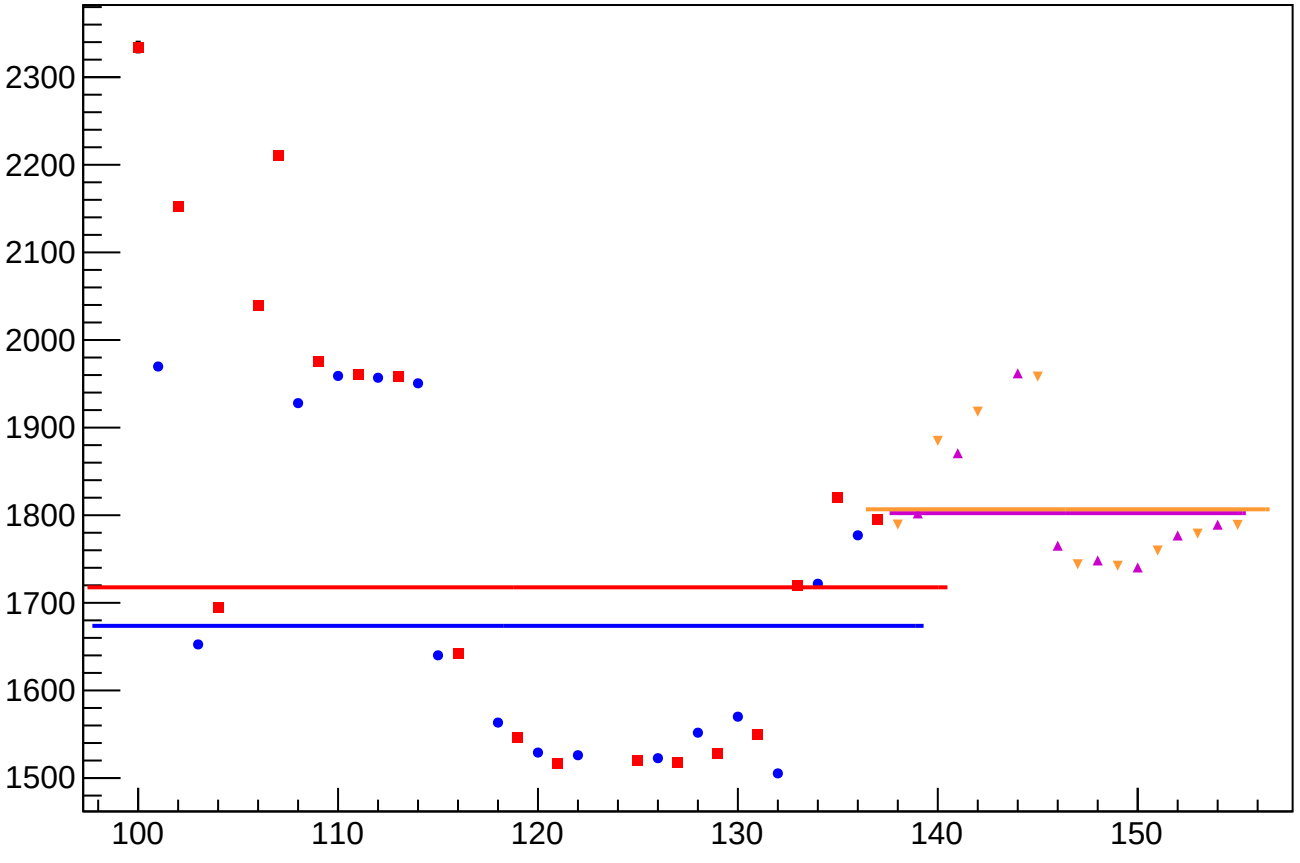
Left In: 730.305+/-680.747 χ^2/NDF:3.0/7

+ sign 428.893+/-461.186 χ^2/NDF: 34.7/24

All: 533.018+/-328.602 χ^2/NDF: 61.1/50

- sign 640.391+/-468.323 χ^2/NDF: 26.3/25

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1806.763+/-0.482 χ^2/NDF:21901.9/8

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

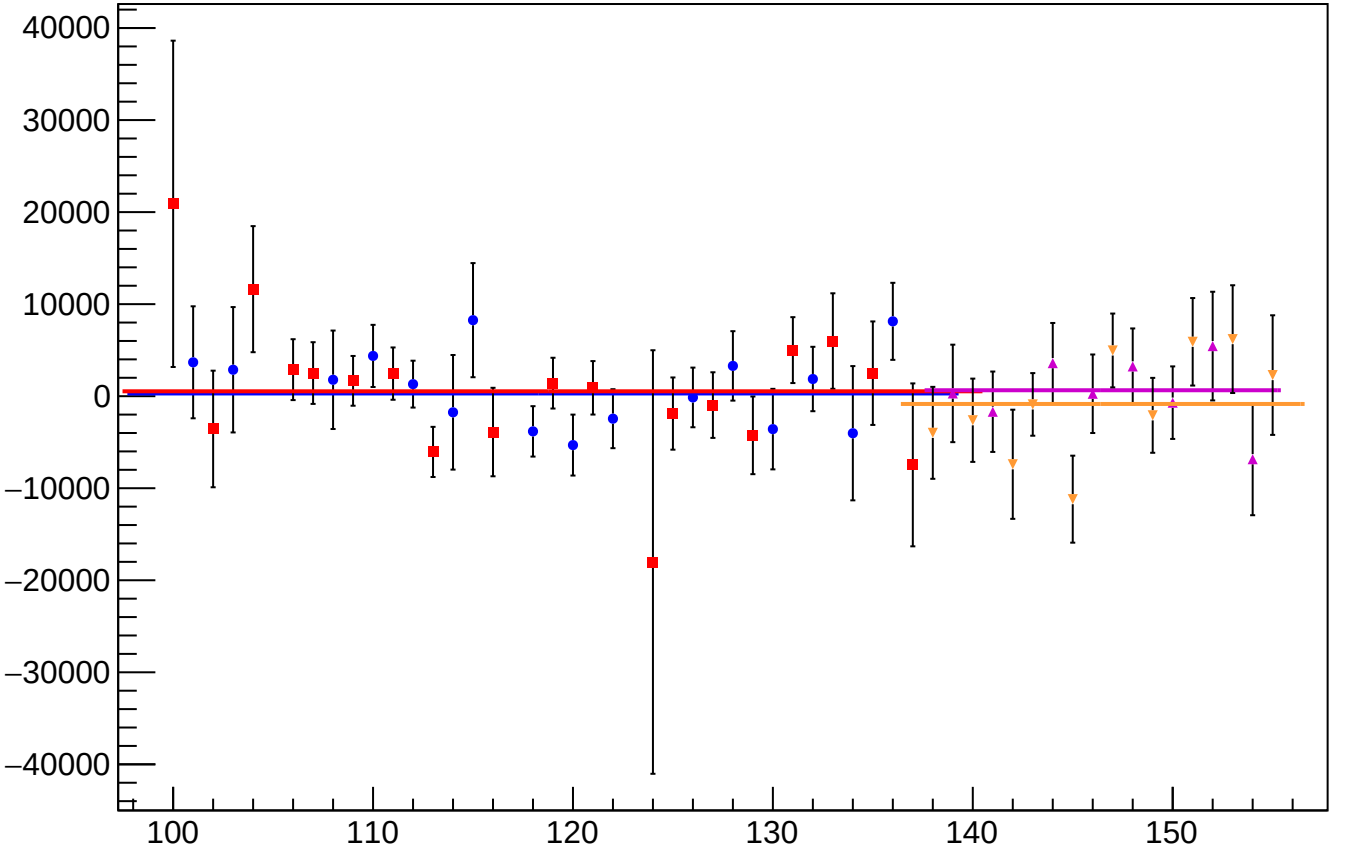
Left In: 1802.376+/-0.481 χ^2/NDF:19413.1/7

+ sign 1734.593+/-0.326 χ^2/NDF: 204079.5/24

All: 1745.976+/-0.232 χ^2/NDF: 469935.8/50

- sign 1757.685+/-0.331 χ^2/NDF: 263384.6/25

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -845.020+/-1461.364 χ^2/NDF:12.5/9

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

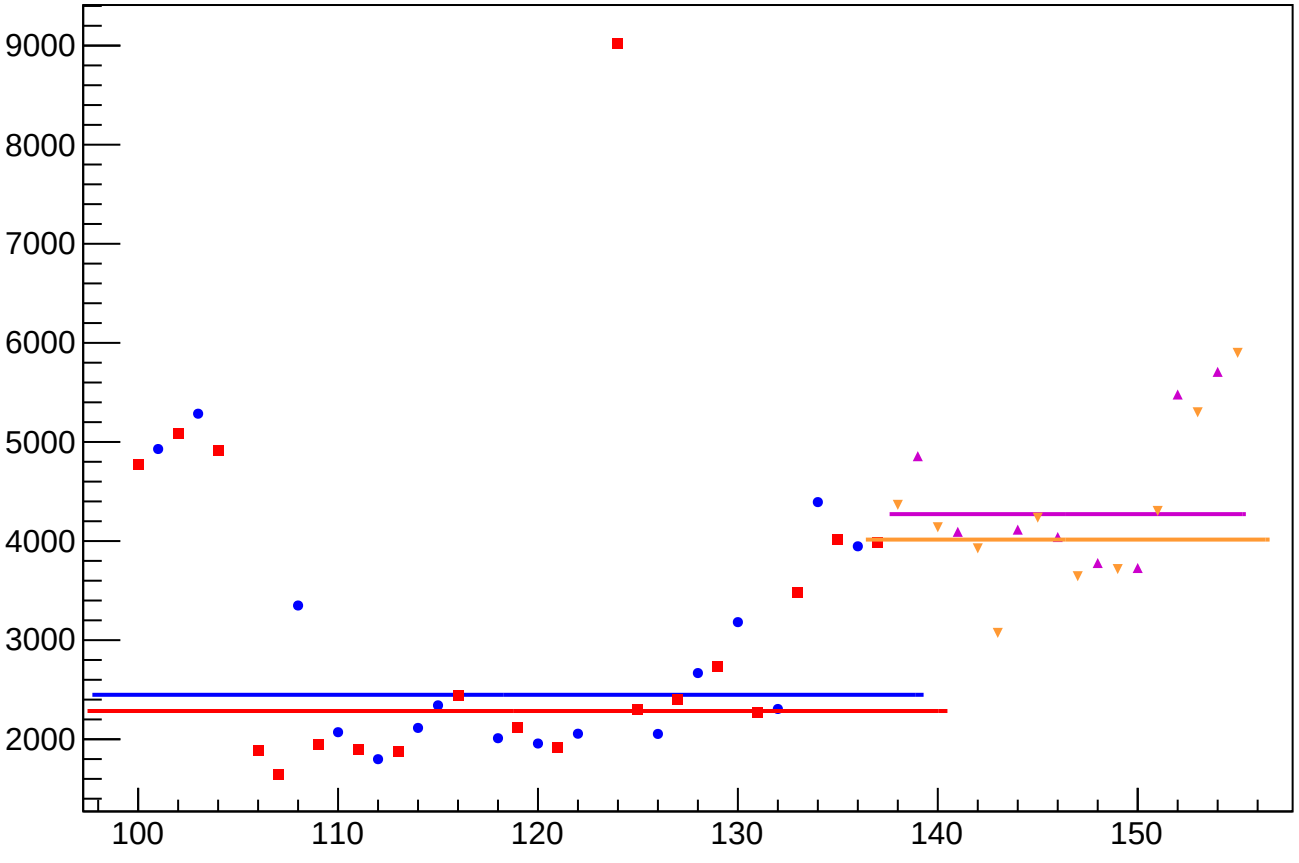
Left In: 645.117+/-1634.340 χ^2/NDF:3.4/7

+ sign -49.945+/-805.084 χ^2/NDF: 28.1/25

All: 264.007+/-559.282 χ^2/NDF: 50.6/52

- sign 556.834+/-777.525 χ^2/NDF: 22.2/26

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4014.875+/-1.033 χ^2/NDF:469017.8/9

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

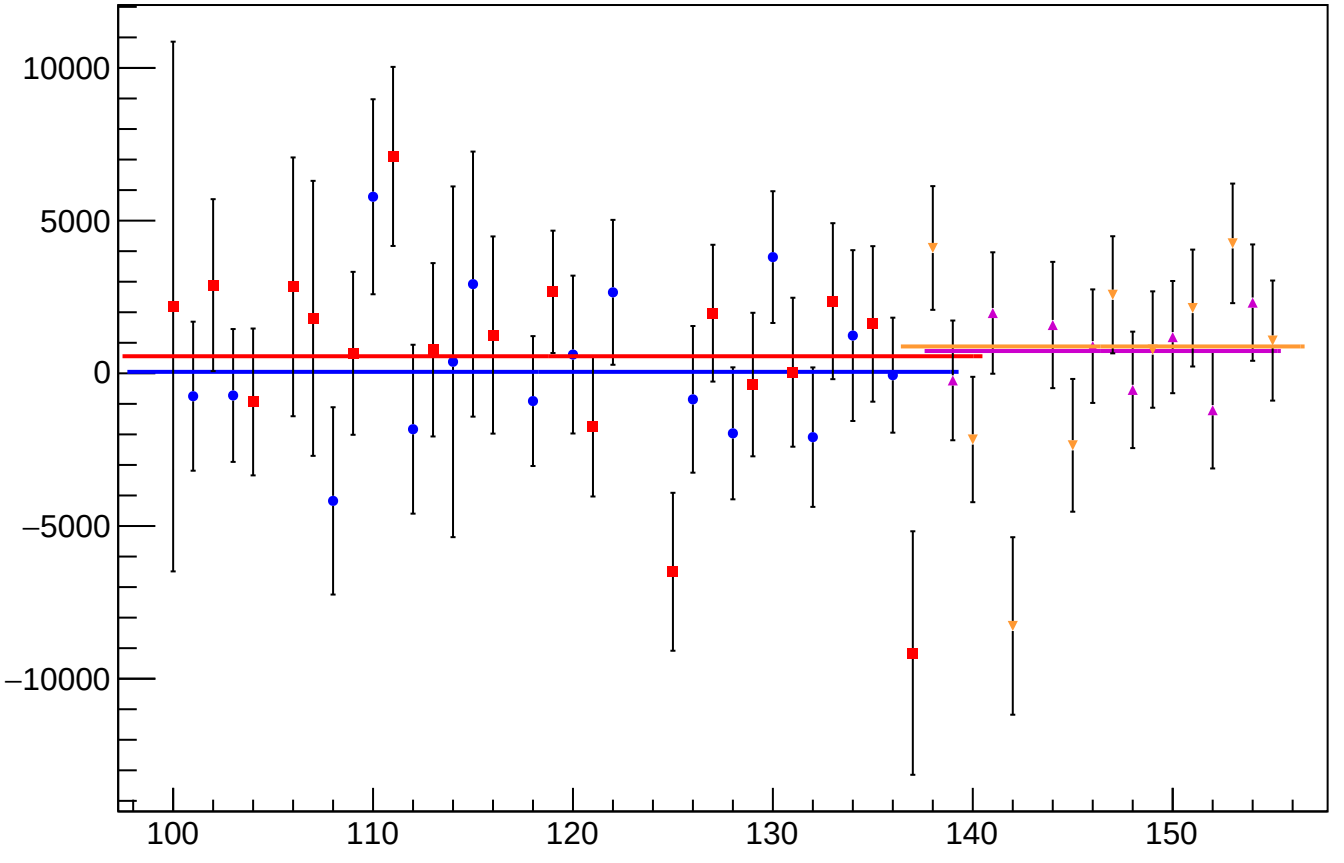
Left In: 4271.861+/-1.156 χ^2/NDF:297718.1/7

+ sign 2923.970+/-0.569 χ^2/NDF: 3586781.9/25

All: 2826.064+/-0.395 χ^2/NDF: 7777151.3/52

- sign 2734.746+/-0.550 χ^2/NDF: 4133204.0/26

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 880.142+/-681.832 χ^2/NDF:21.1/8

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

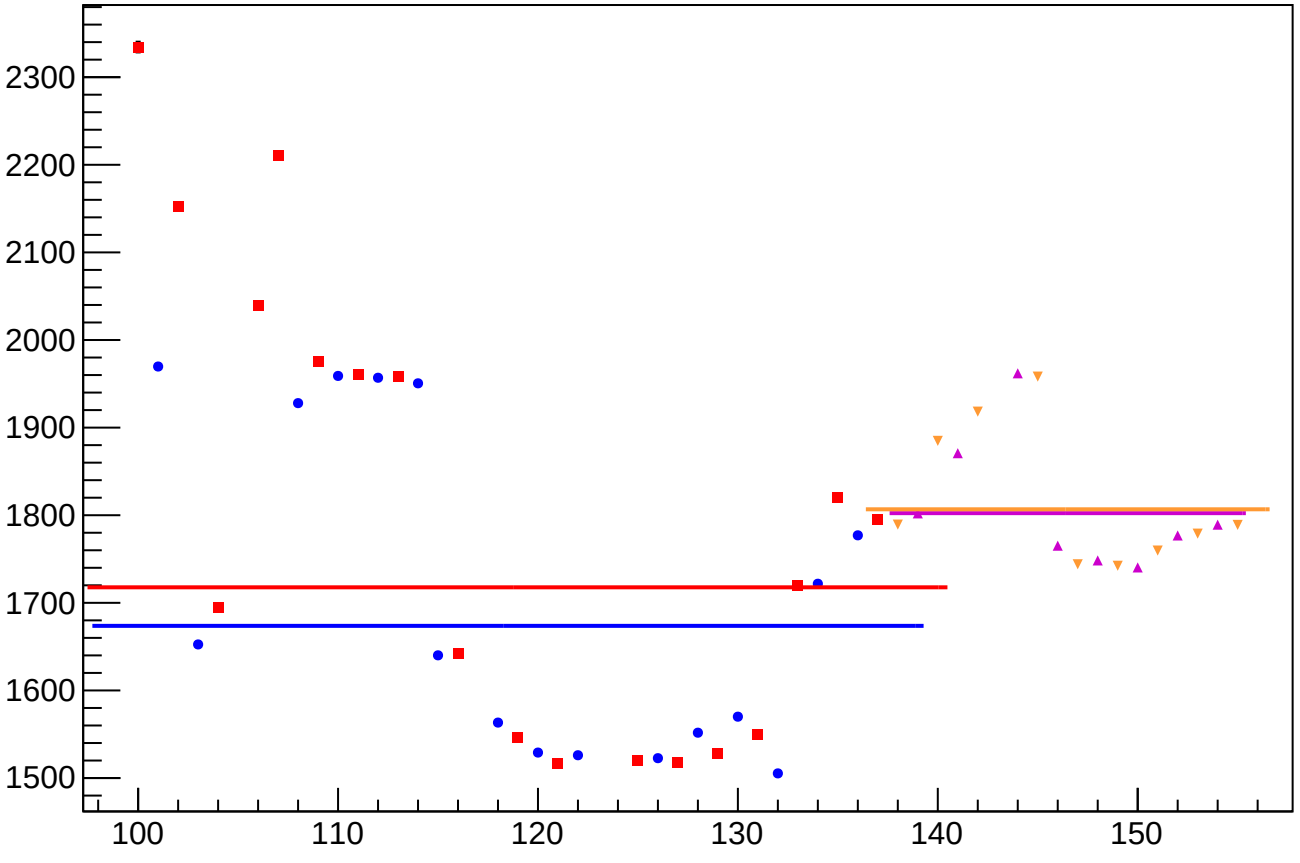
Left In: 730.306+/-680.748 χ^2/NDF:3.0/7

+ sign 428.889+/-461.186 χ^2/NDF: 34.7/24

All: 533.017+/-328.602 χ^2/NDF: 61.1/50

- sign 640.392+/-468.323 χ^2/NDF: 26.3/25

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1806.764+/-0.482 χ^2/NDF:21902.4/8

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

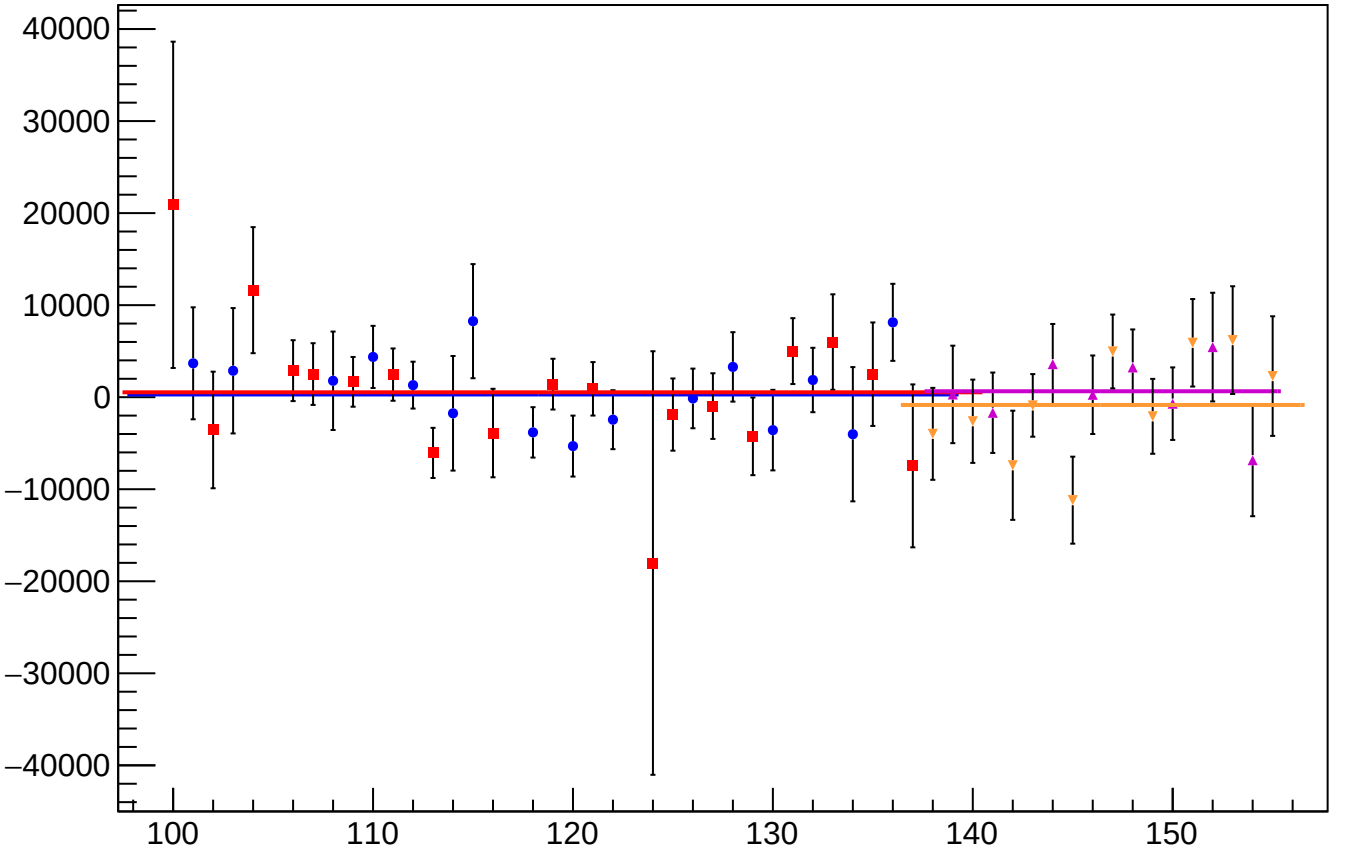
Left In: 1802.377+/-0.481 χ^2/NDF:19413.3/7

+ sign 1734.593+/-0.326 χ^2/NDF: 204080.6/24

All: 1745.976+/-0.232 χ^2/NDF: 469936.8/50

- sign 1757.685+/-0.331 χ^2/NDF: 263384.5/25

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -845.016+/-1461.366 χ^2/NDF:12.5/9

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

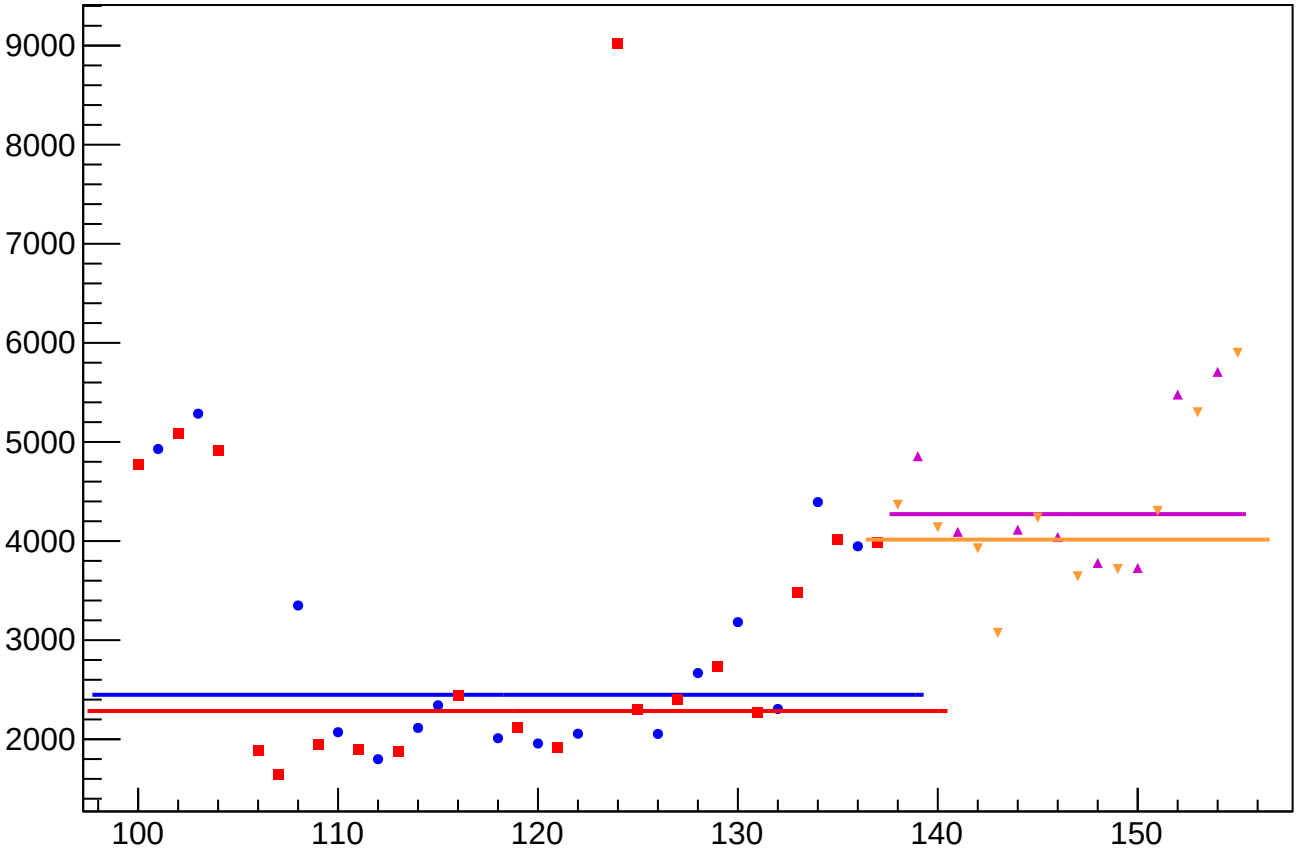
Left In: 645.119+/-1634.342 χ^2/NDF:3.4/7

\+ sign -49.945+/-805.082 χ^2/NDF: 28.1/25

All: 264.008+/-559.281 χ^2/NDF: 50.6/52

\- sign 556.835+/-777.523 χ^2/NDF: 22.2/26

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4014.879+/-1.033 χ^2/NDF:469021.3/9

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

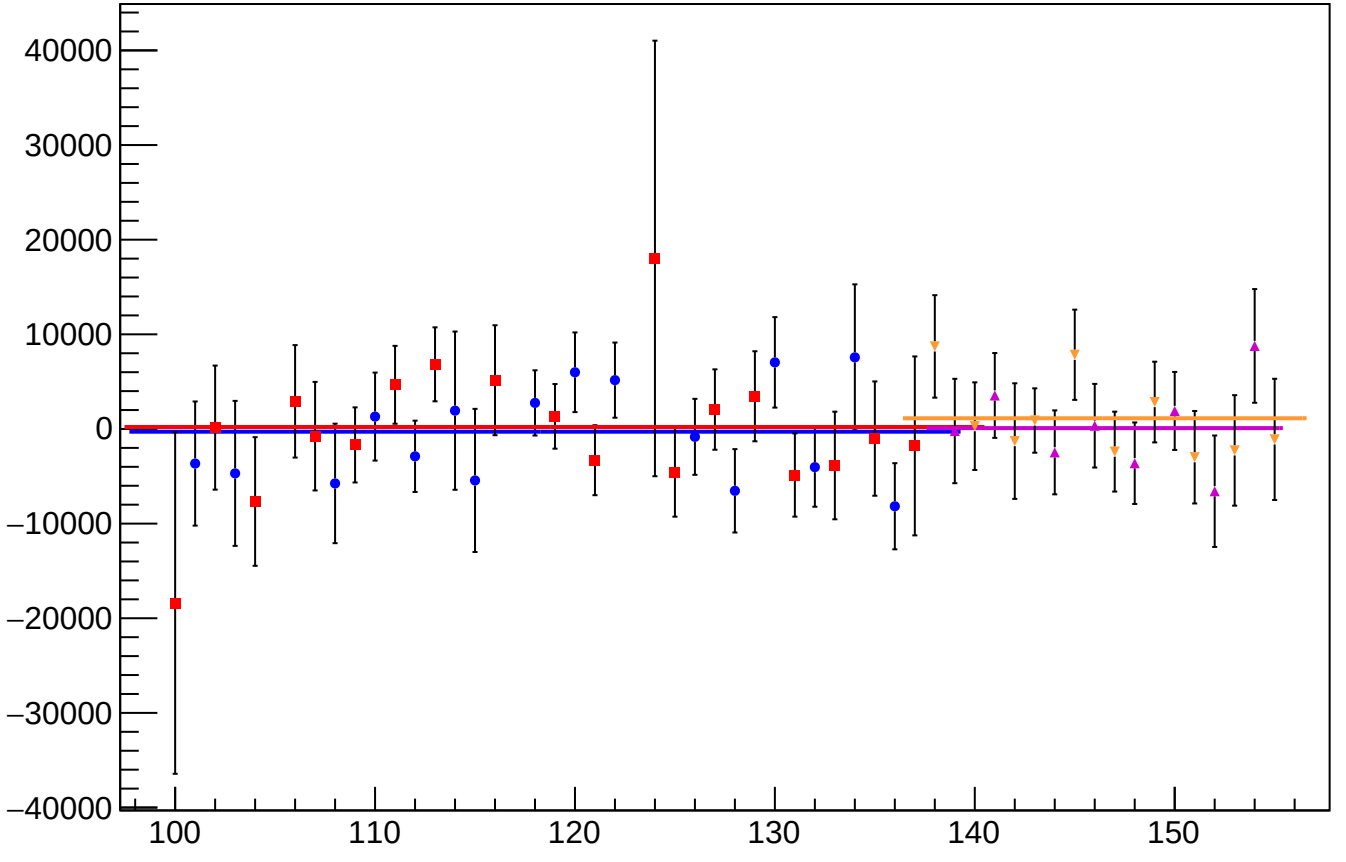
Left In: 4271.866+/-1.156 χ^2/NDF:297720.6/7

+ sign 2923.961+/-0.569 χ^2/NDF: 3586829.9/25

All: 2826.055+/-0.395 χ^2/NDF: 7777240.2/52

- sign 2734.737+/-0.550 χ^2/NDF: 4133245.0/26

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1131.171+/-1499.374 χ^2/NDF:6.2/9

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

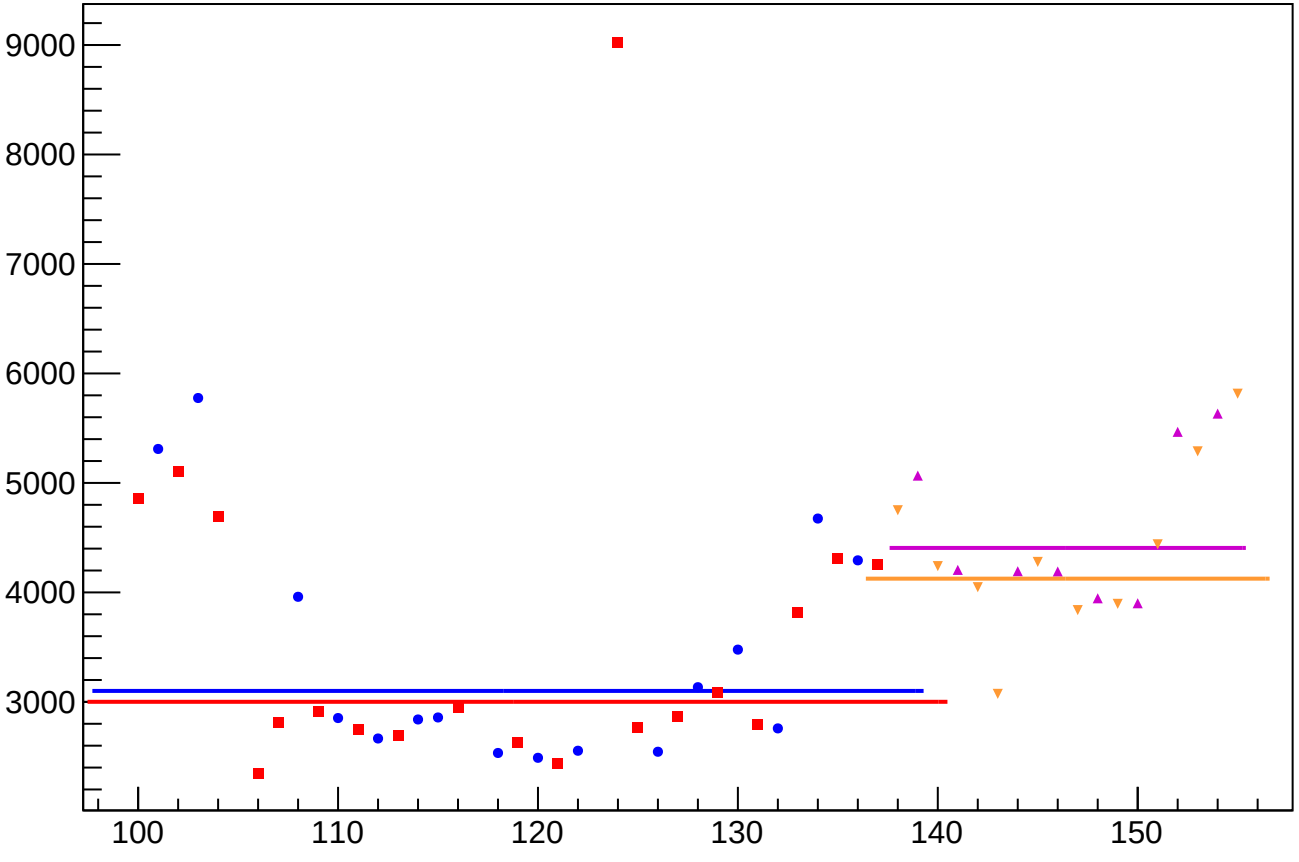
Left In: 90.014+/-1680.578 χ^2/NDF:5.2/7

+ sign 265.048+/-935.622 χ^2/NDF: 23.3/25

All: 218.900+/-667.013 χ^2/NDF: 41.4/52

- sign 171.206+/-951.169 χ^2/NDF: 18.1/26

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4125.603+/-1.060 χ^2/NDF:463649.6/9

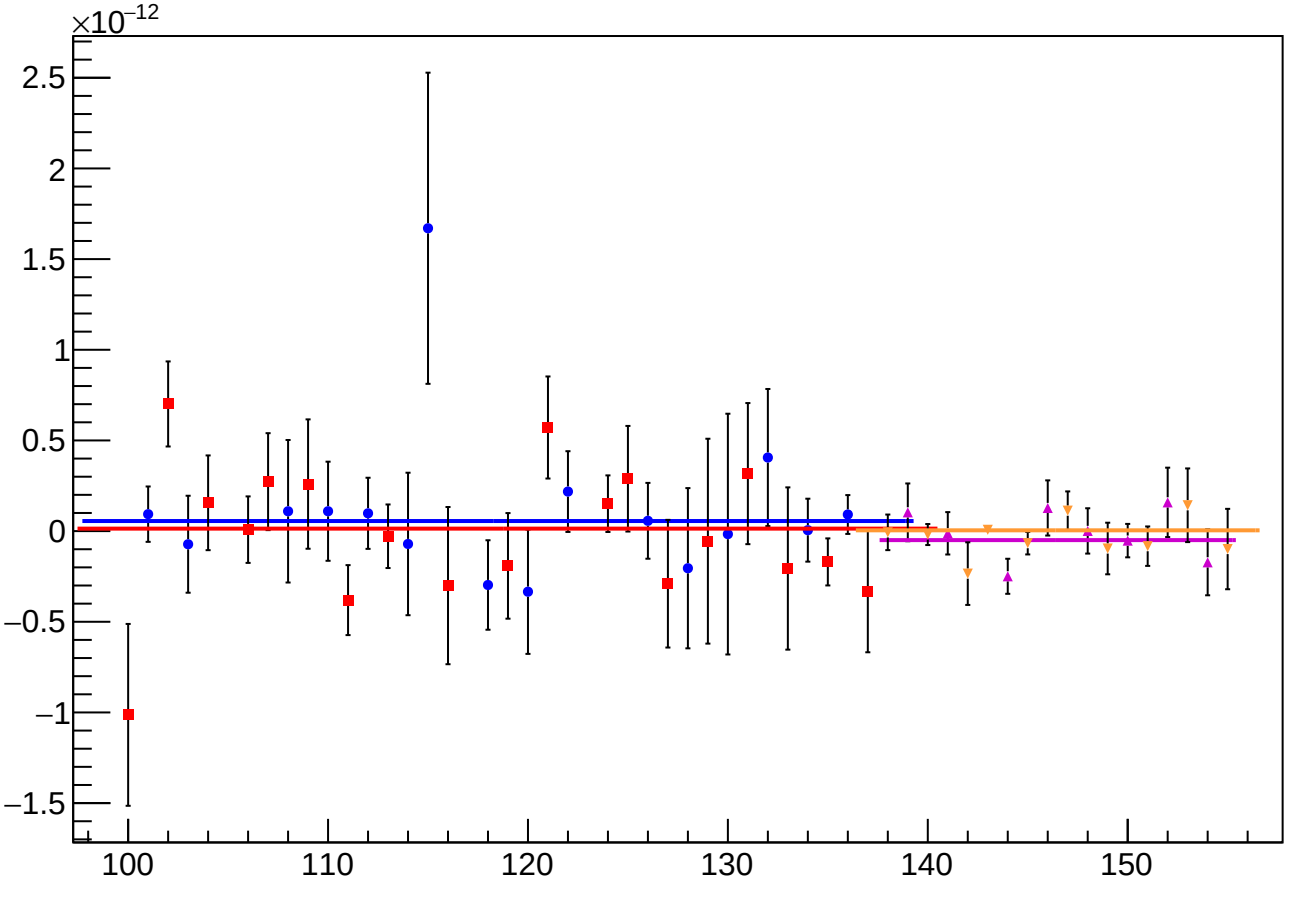
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4406.224+/-1.188 χ^2/NDF:243298.0/7

+ sign 3499.437+/-0.662 χ^2/NDF: 1998562.7/25

All: 3471.268+/-0.469 χ^2/NDF: 4011080.3/52

- sign 3442.690+/-0.666 χ^2/NDF: 2008865.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/9

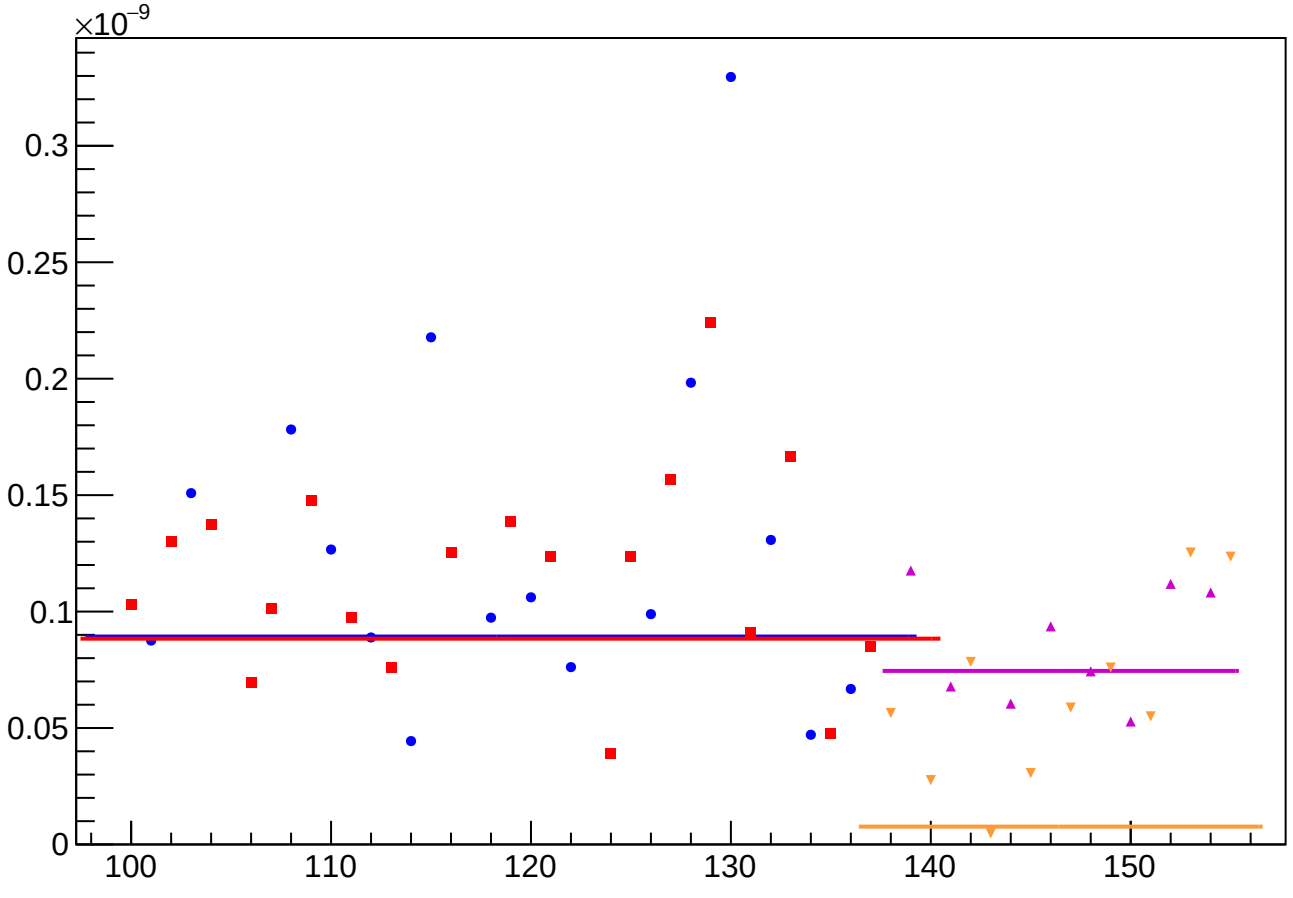
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 16.5/25

All: 0.000+/-0.000 χ^2/NDF: 56.5/52

- sign -0.000+/-0.000 χ^2/NDF: 39.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4077330.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

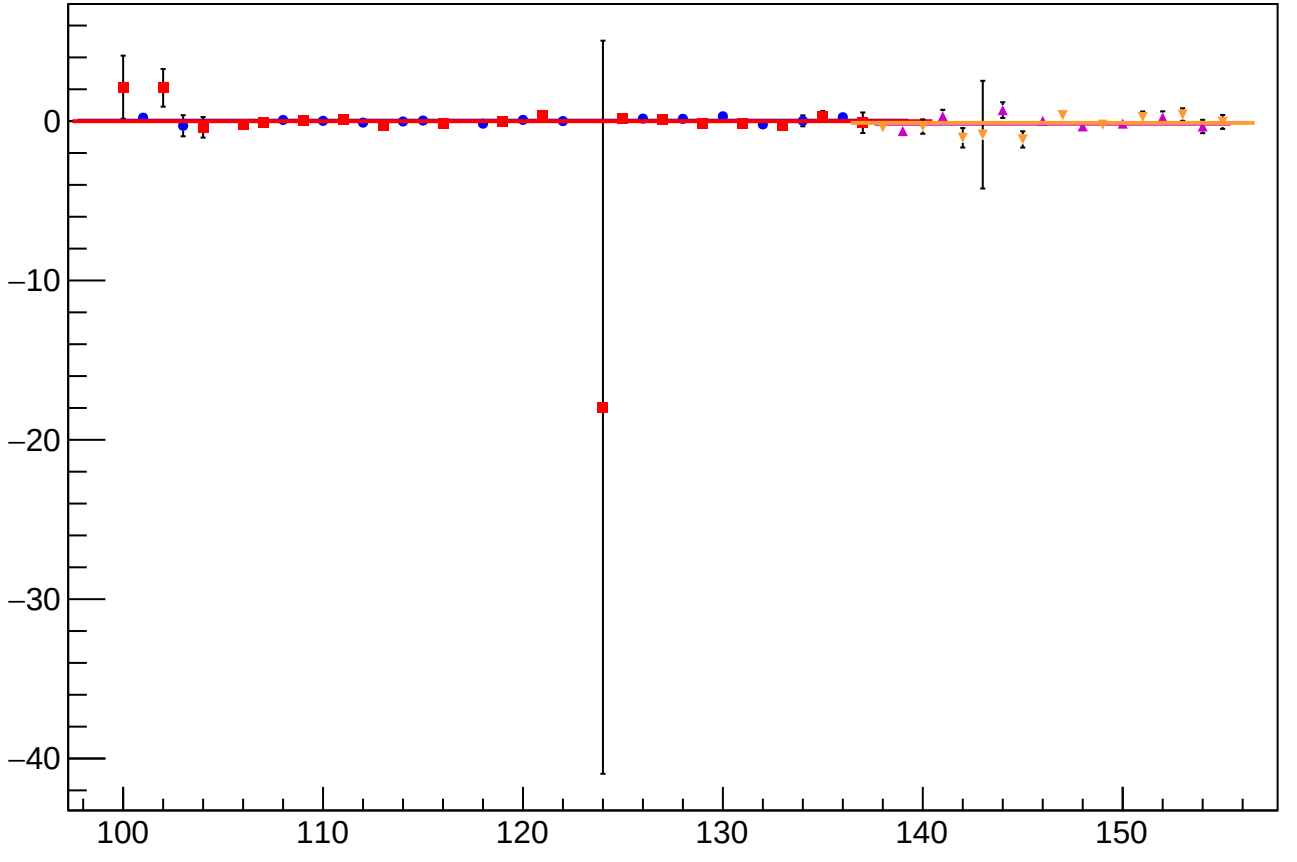
Left In: 0.000+/-0.000 χ^2/NDF:482962.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 9107150.6/25

All: 0.000+/-0.000 χ^2/NDF: 18386867.1/52

- sign 0.000+/-0.000 χ^2/NDF: 1571958.1/26

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.110+/-0.124 χ^2/NDF:13.4/9

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

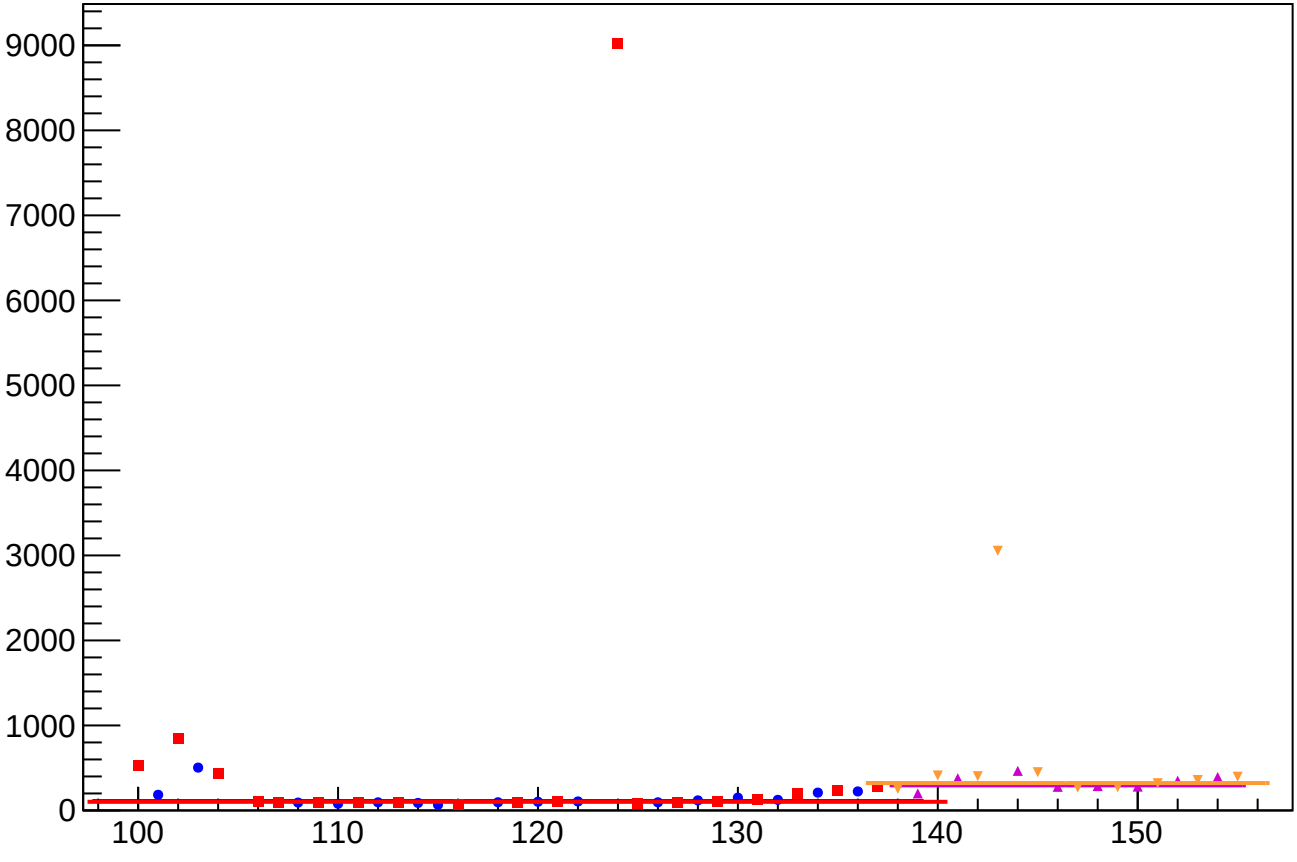
Left In: -0.161+/-0.116 χ^2/NDF:10.2/7

+ sign 0.012+/-0.043 χ^2/NDF: 23.3/25

All: -0.006+/-0.029 χ^2/NDF: 57.9/52

- sign -0.023+/-0.041 χ^2/NDF: 34.2/26

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 322.339+/-0.087 χ^2/NDF:1848482.9/9

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

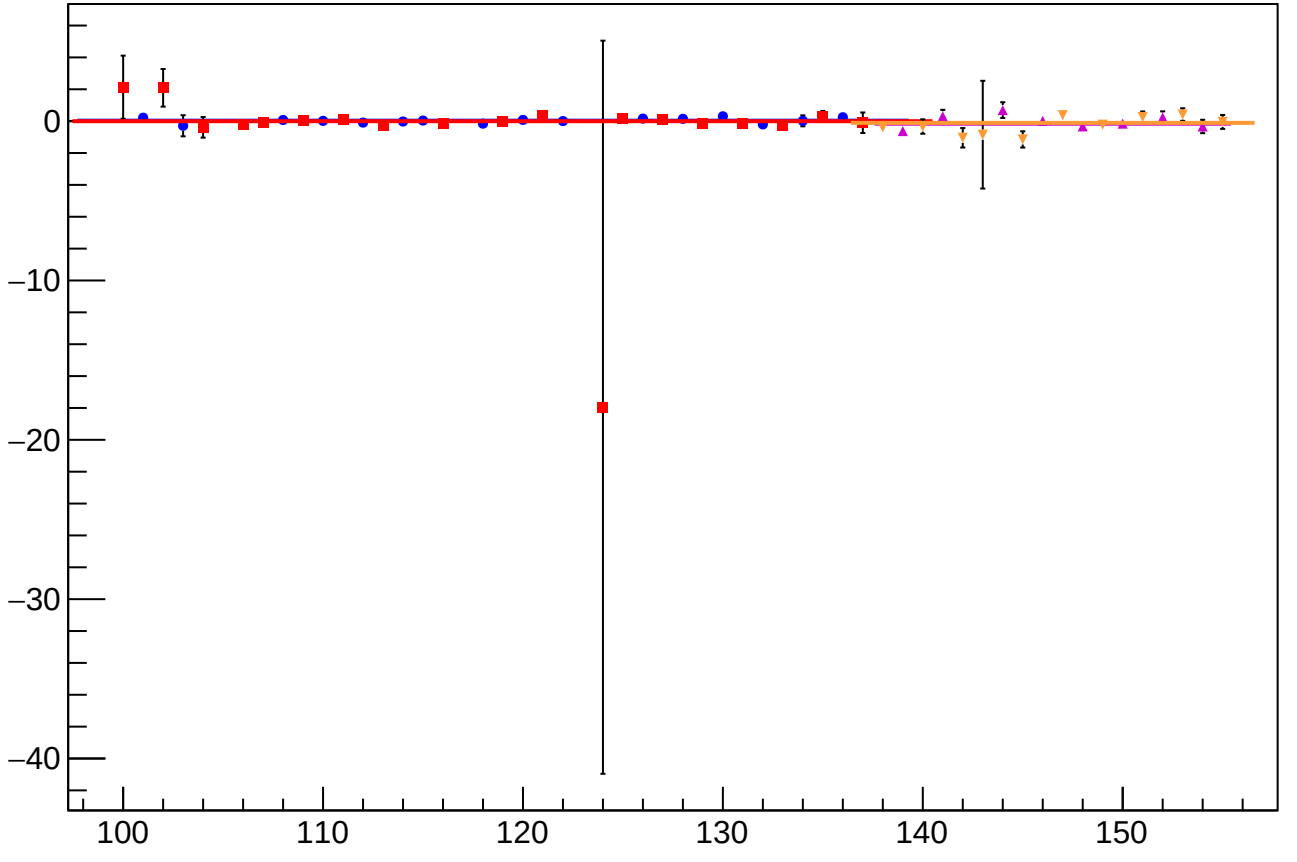
Left In: 294.823+/-0.082 χ^2/NDF:823255.5/7

+ sign 135.157+/-0.030 χ^2/NDF: 8987861.0/25

All: 130.056+/-0.021 χ^2/NDF: 17286947.5/52

- sign 125.398+/-0.029 χ^2/NDF: 8244042.0/26

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: -0.110+/-0.124 χ^2/NDF:13.4/9

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

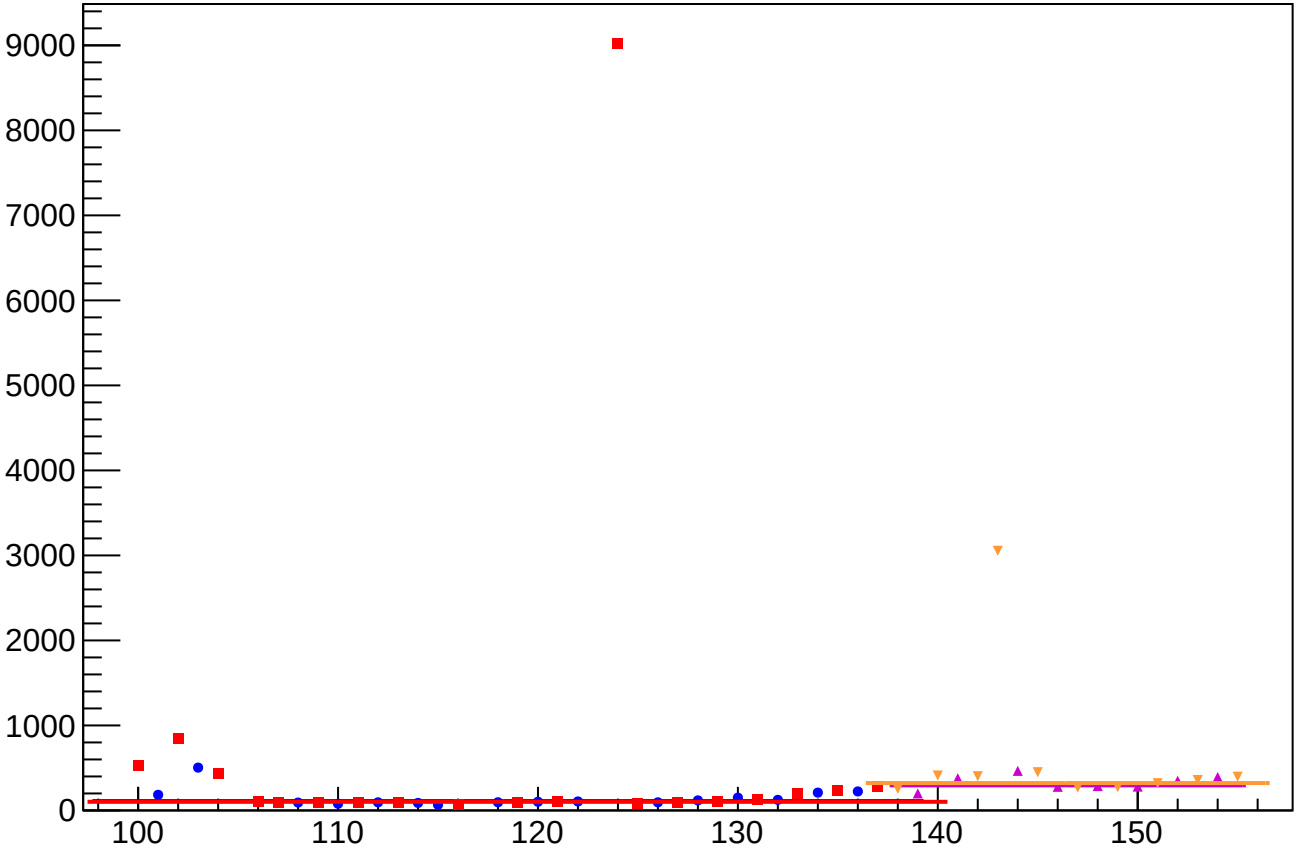
Left In: -0.161+/-0.116 χ^2/NDF:10.2/7

+ sign 0.012+/-0.043 χ^2/NDF: 23.3/25

All: -0.006+/-0.029 χ^2/NDF: 57.9/52

- sign -0.023+/-0.041 χ^2/NDF: 34.2/26

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: 322.339+/-0.087 χ^2/NDF:1848482.9/9

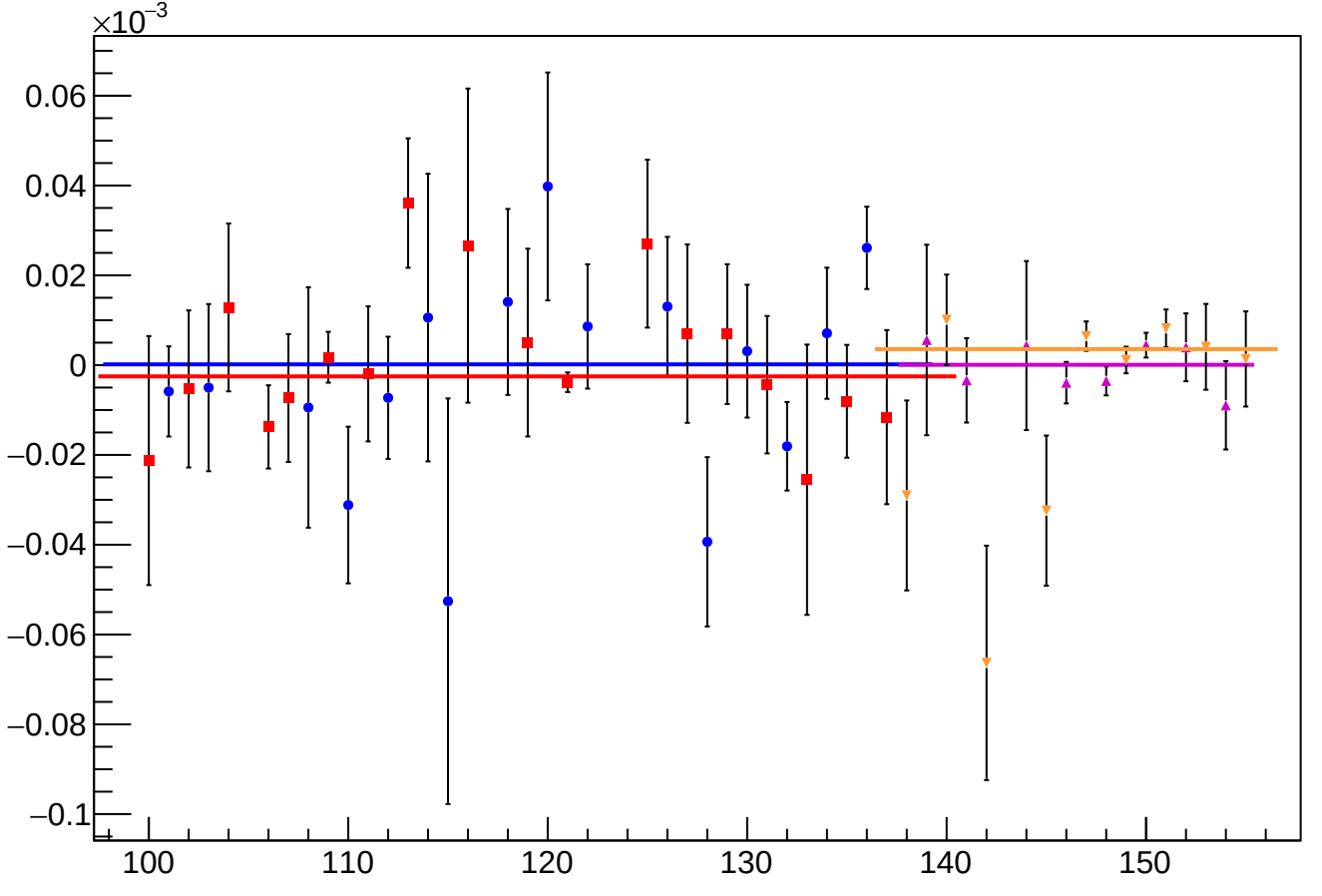
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 294.823+/-0.082 χ^2/NDF:823255.5/7

+ sign 135.157+/-0.030 χ^2/NDF: 8987861.0/25

All: 130.056+/-0.021 χ^2/NDF: 17286947.5/52

- sign 125.398+/-0.029 χ^2/NDF: 8244042.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/8

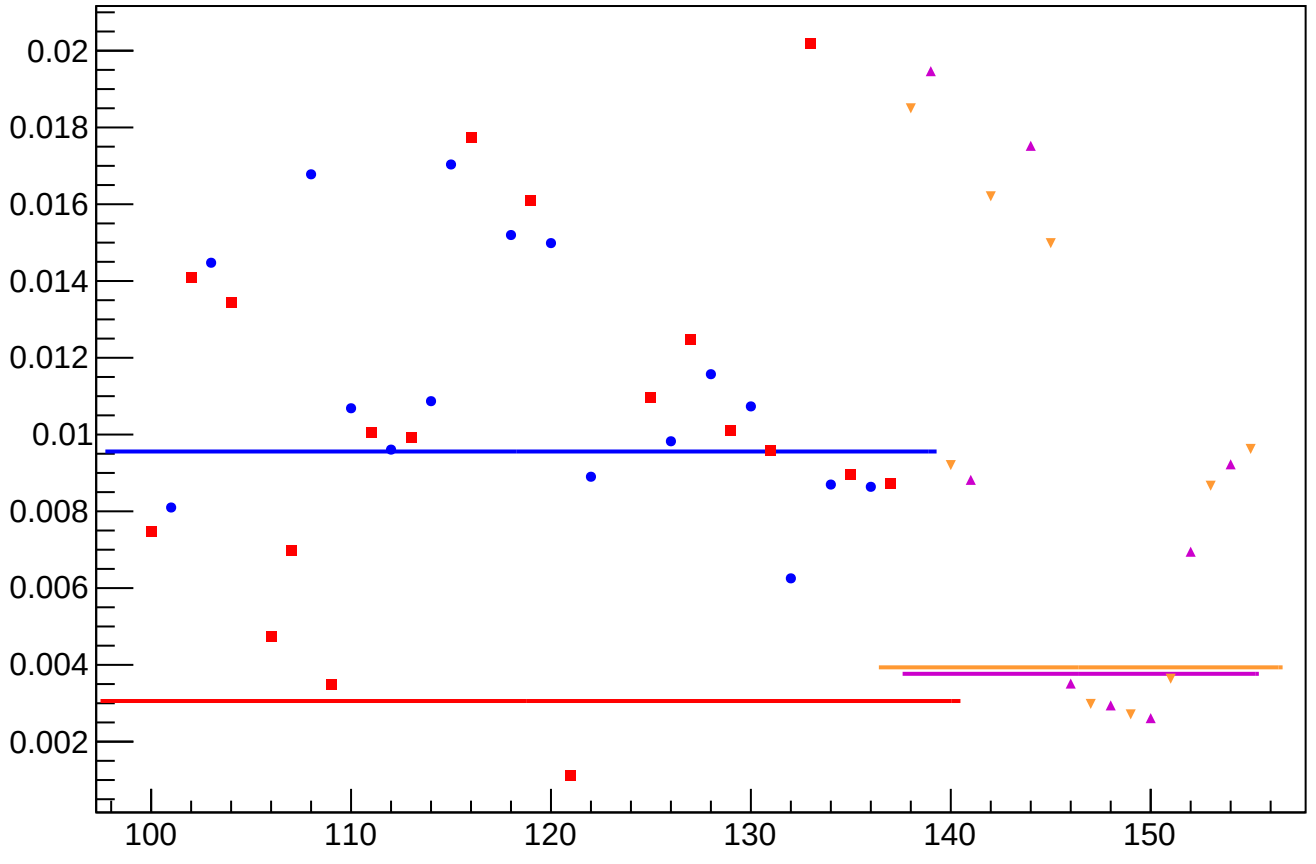
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:5.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 43.6/24

All: 0.000+/-0.000 χ^2/NDF: 70.1/50

- sign -0.000+/-0.000 χ^2/NDF: 22.7/25



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:4399660.1/8

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

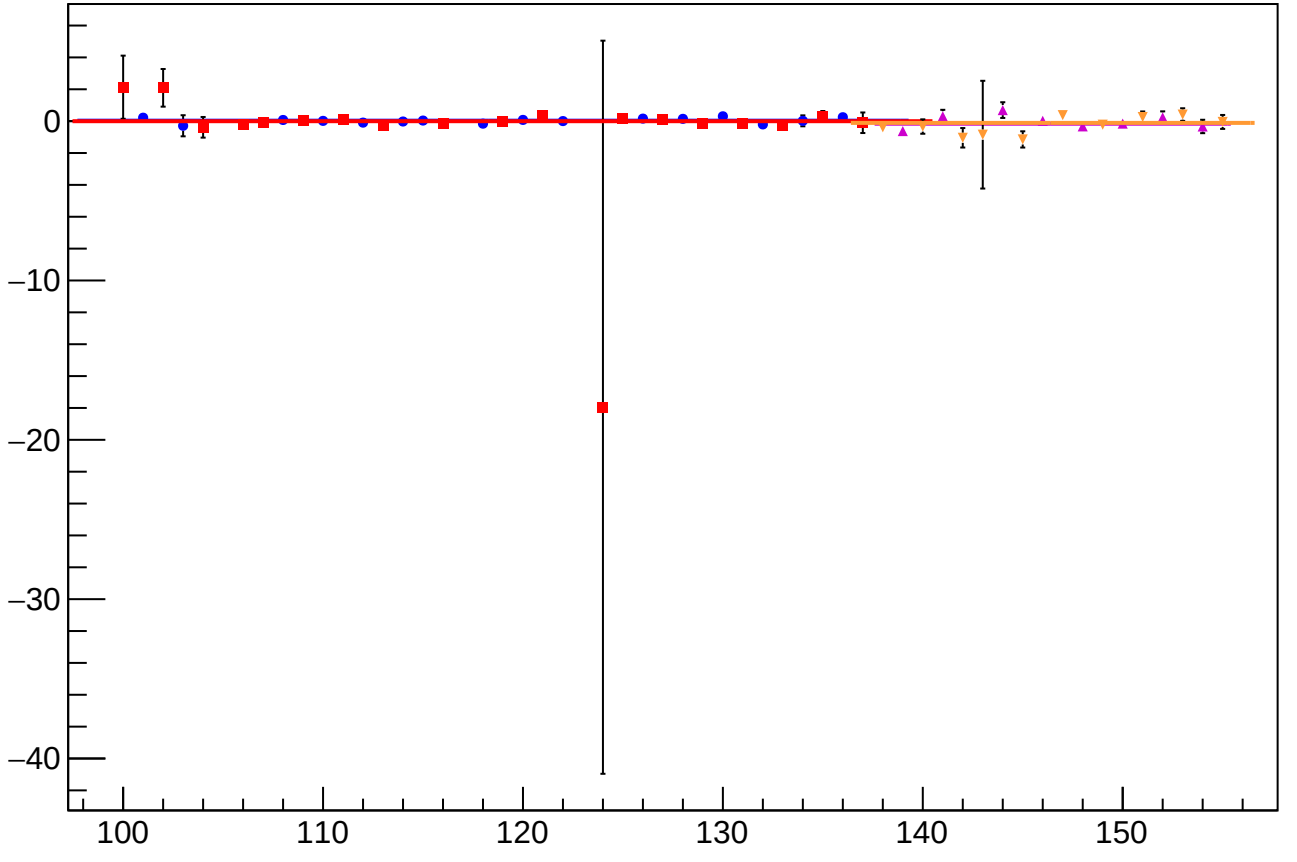
Left In: 0.004+/-0.000 χ^2/NDF:4197410.3/7

+ sign 0.005+/-0.000 χ^2/NDF: 8992390.1/24

All: 0.004+/-0.000 χ^2/NDF: 22652739.6/50

- sign 0.003+/-0.000 χ^2/NDF: 12474774.2/25

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.110+/-0.124 χ^2/NDF:13.4/9

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

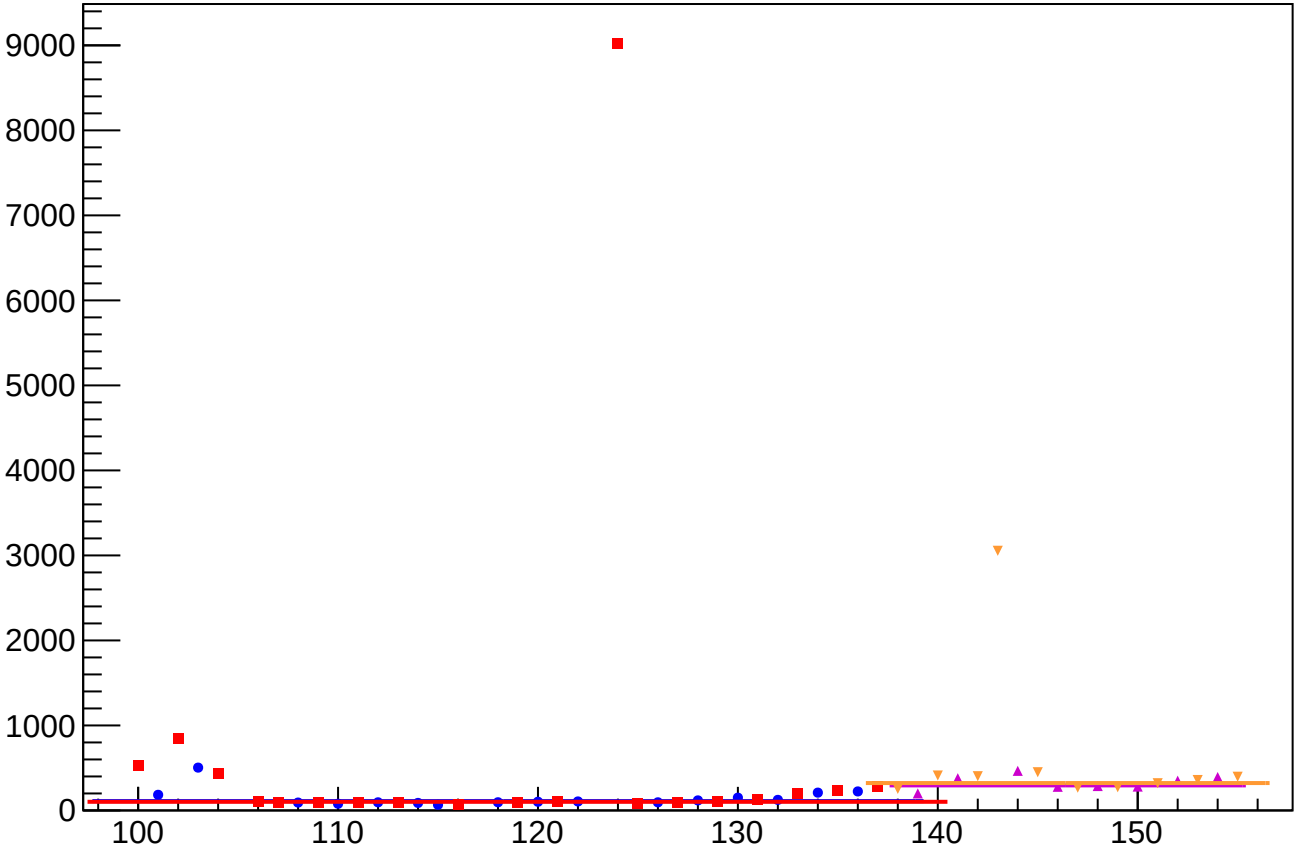
Left In: -0.161+/-0.116 χ^2/NDF:10.2/7

+ sign 0.012+/-0.043 χ^2/NDF: 23.3/25

All: -0.006+/-0.029 χ^2/NDF: 57.9/52

- sign -0.023+/-0.041 χ^2/NDF: 34.2/26

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: 322.341+/-0.087 χ^2/NDF:1848520.0/9

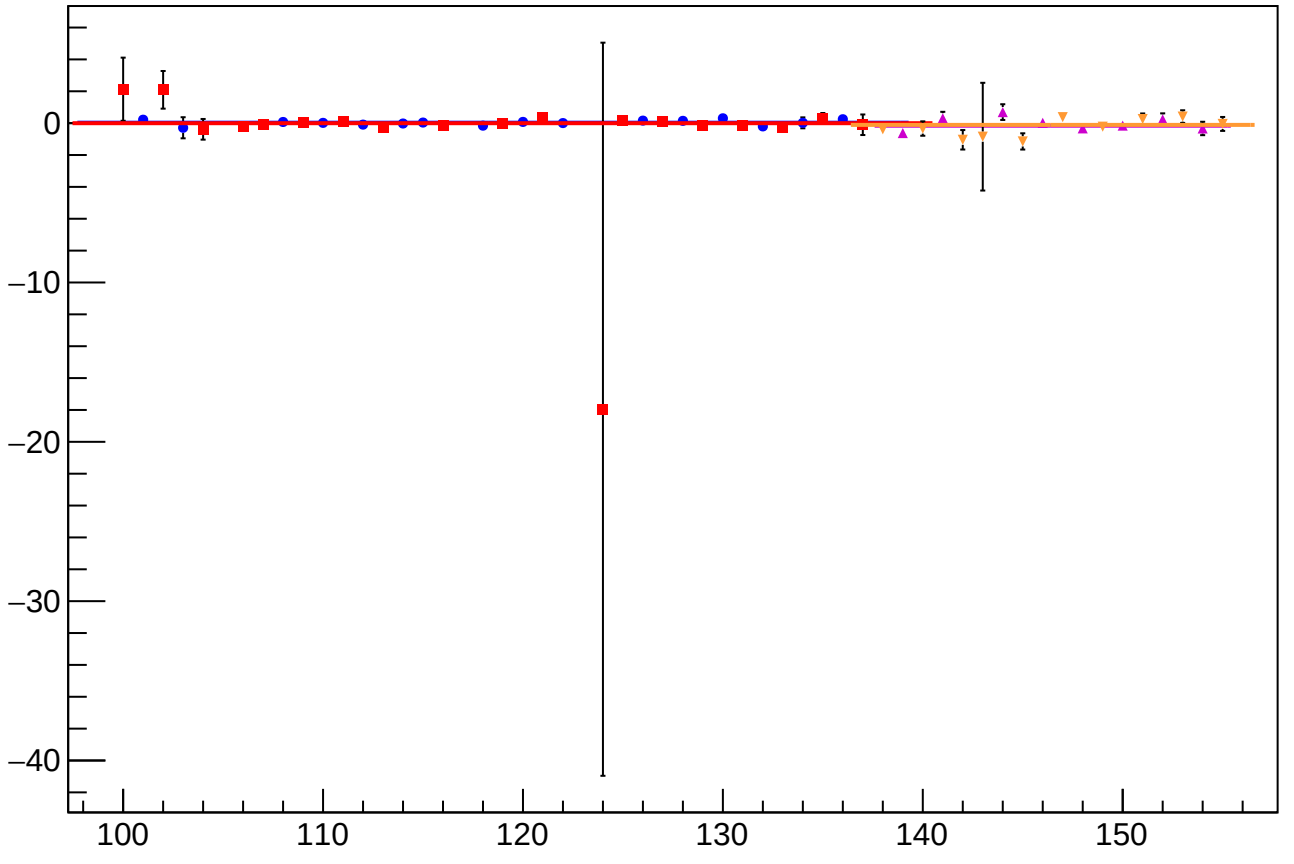
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 294.827+/-0.082 χ^2/NDF:823232.9/7

+ sign 135.158+/-0.030 χ^2/NDF: 8987820.7/25

All: 130.057+/-0.021 χ^2/NDF: 17286819.0/52

- sign 125.399+/-0.029 χ^2/NDF: 8243959.8/26



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.110+/-0.124 χ^2/NDF:13.4/9

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

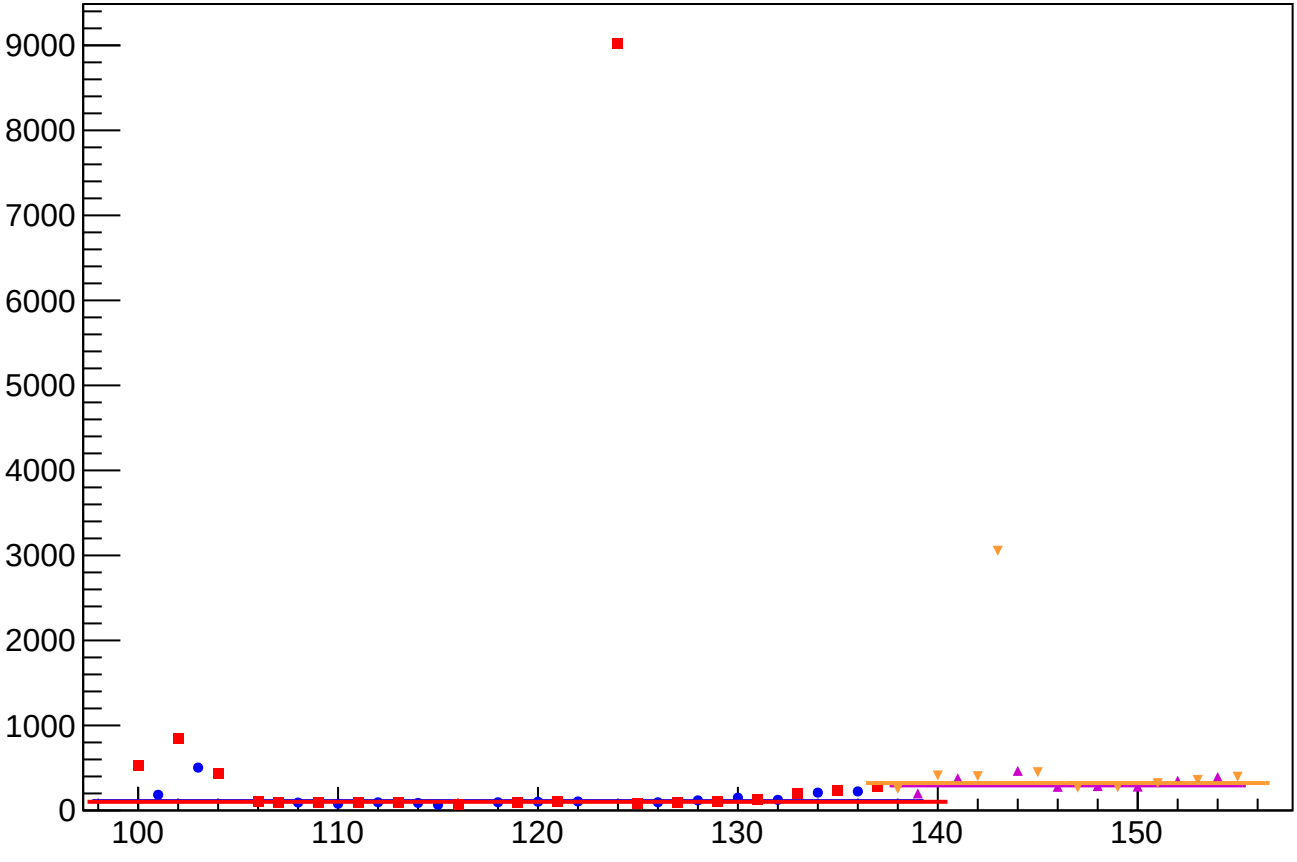
Left In: -0.161+/-0.116 χ^2/NDF:10.2/7

+ sign 0.012+/-0.043 χ^2/NDF: 23.3/25

All: -0.006+/-0.029 χ^2/NDF: 57.9/52

- sign -0.023+/-0.041 χ^2/NDF: 34.2/26

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 322.341+/-0.087 χ^2/NDF:1848520.0/9

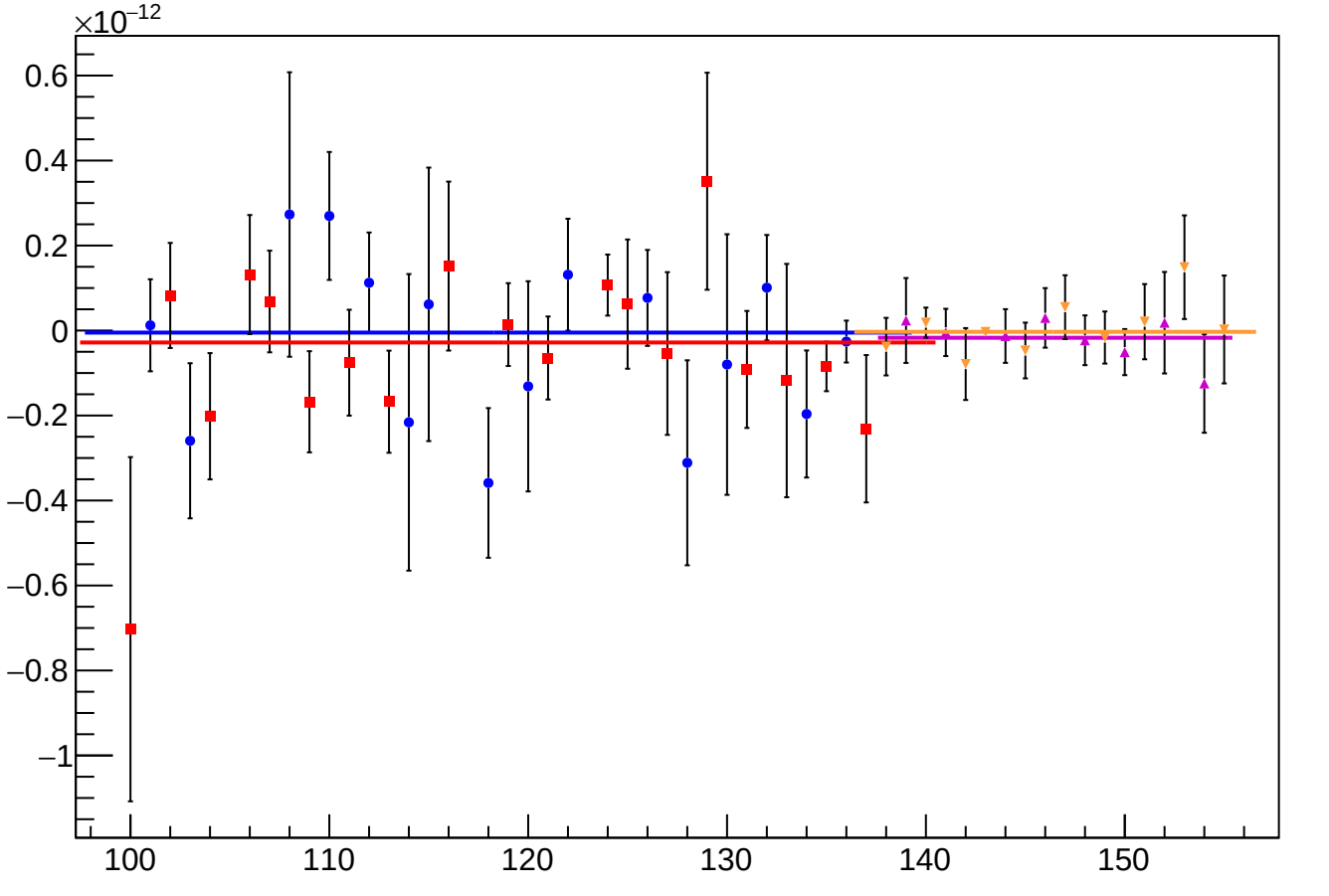
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 294.827+/-0.082 χ^2/NDF:823232.9/7

+ sign 135.158+/-0.030 χ^2/NDF: 8987820.7/25

All: 130.057+/-0.021 χ^2/NDF: 17286819.0/52

- sign 125.399+/-0.029 χ^2/NDF: 8243959.8/26



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/9

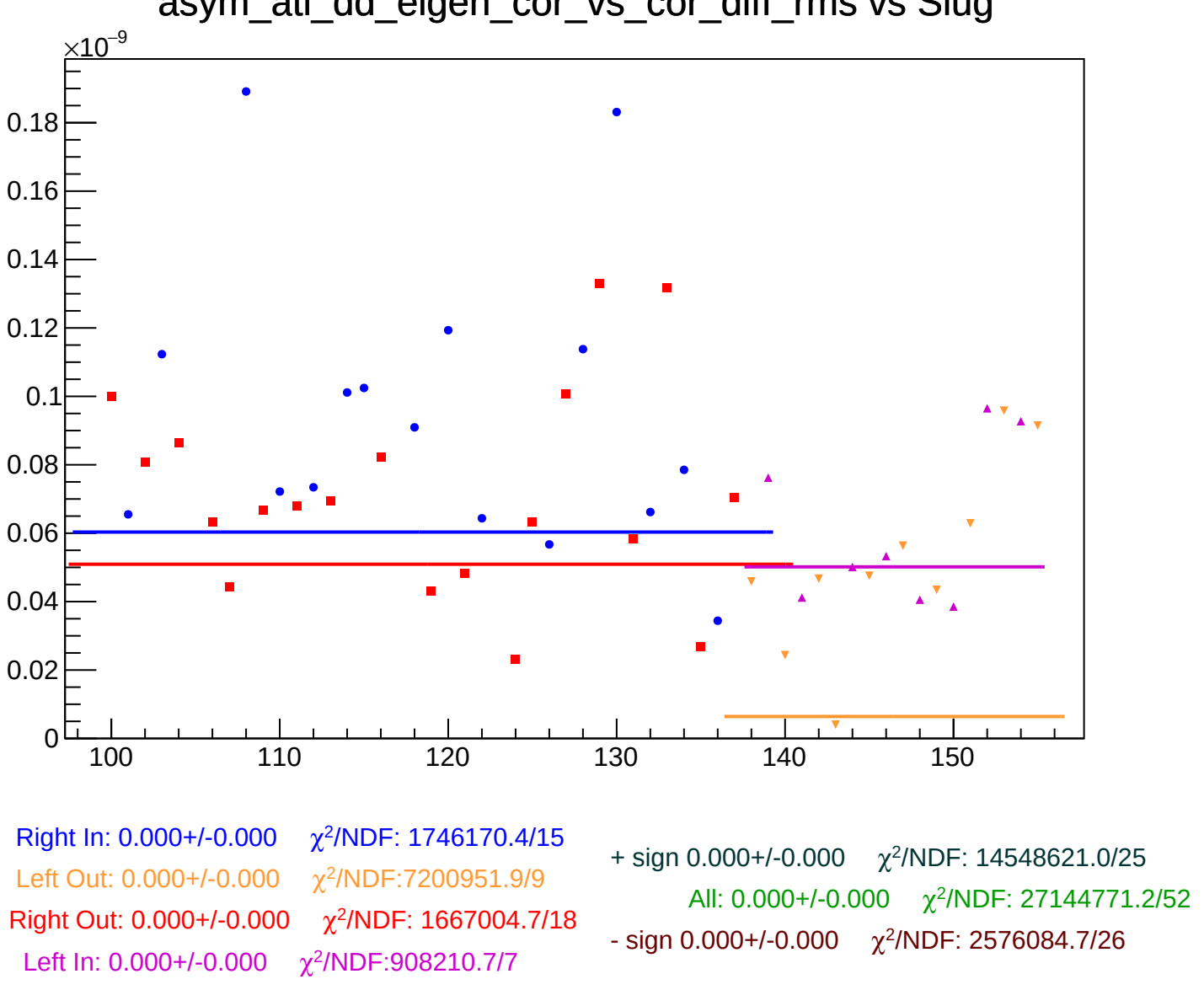
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

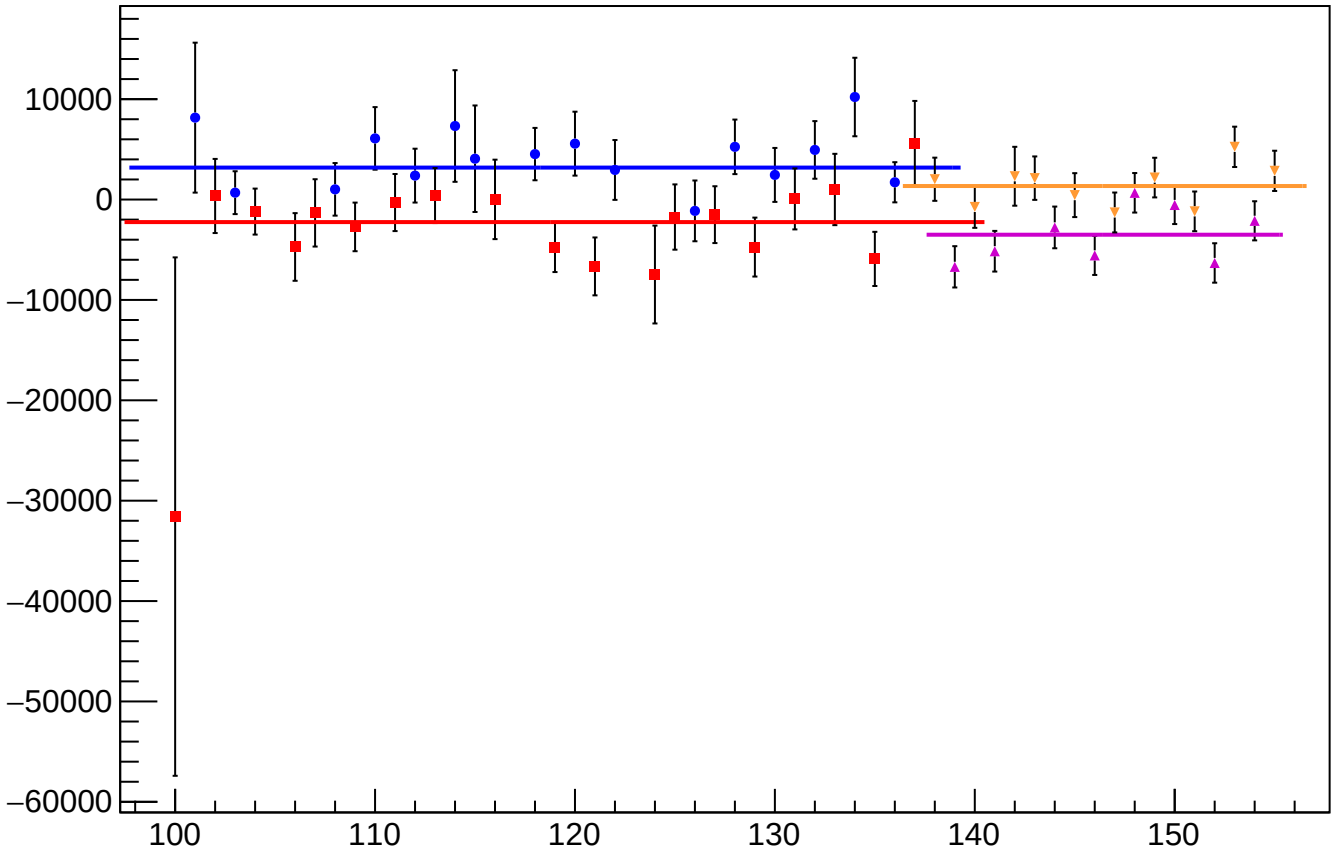
Left In: -0.000+/-0.000 χ^2/NDF:2.0/7

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/25

All: -0.000+/-0.000 χ^2/NDF: 44.4/52

- sign -0.000+/-0.000 χ^2/NDF: 21.8/26


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
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:7200951.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:908210.7/7
+ sign 0.000+/-0.000 χ²/NDF: 14548621.0/25
All: 0.000+/-0.000 χ²/NDF: 27144771.2/52
- sign 0.000+/-0.000 χ²/NDF: 2576084.7/26



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1346.612+/-666.900 χ^2/NDF:9.4/9

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

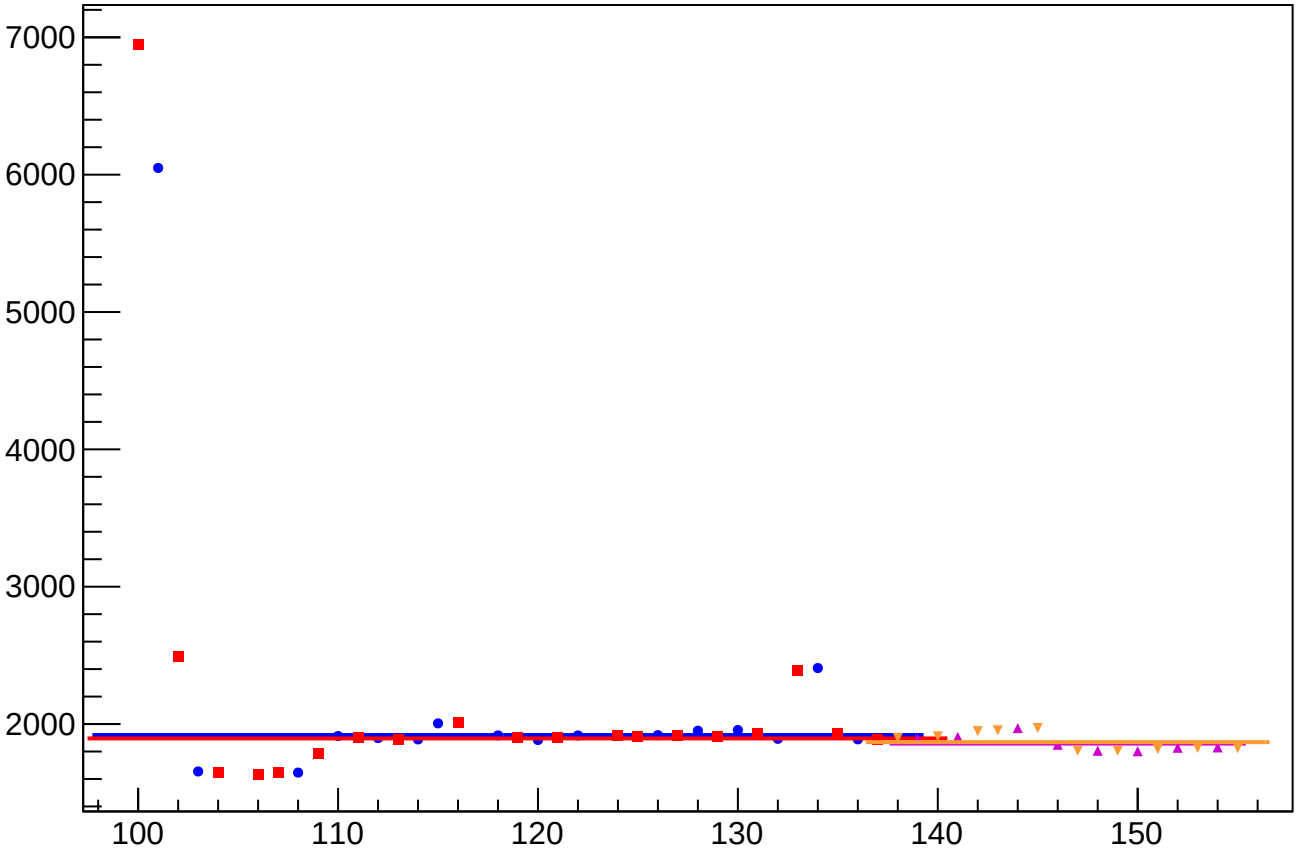
Left In: -3504.193+/-701.414 χ^2/NDF:13.8/7

+ sign 2180.932+/-492.716 χ^2/NDF: 24.6/25

All: -317.724+/-350.707 χ^2/NDF: 108.6/52

- sign -2883.585+/-499.299 χ^2/NDF: 31.9/26

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1868.133+/-0.472 χ^2/NDF:17381.5/9

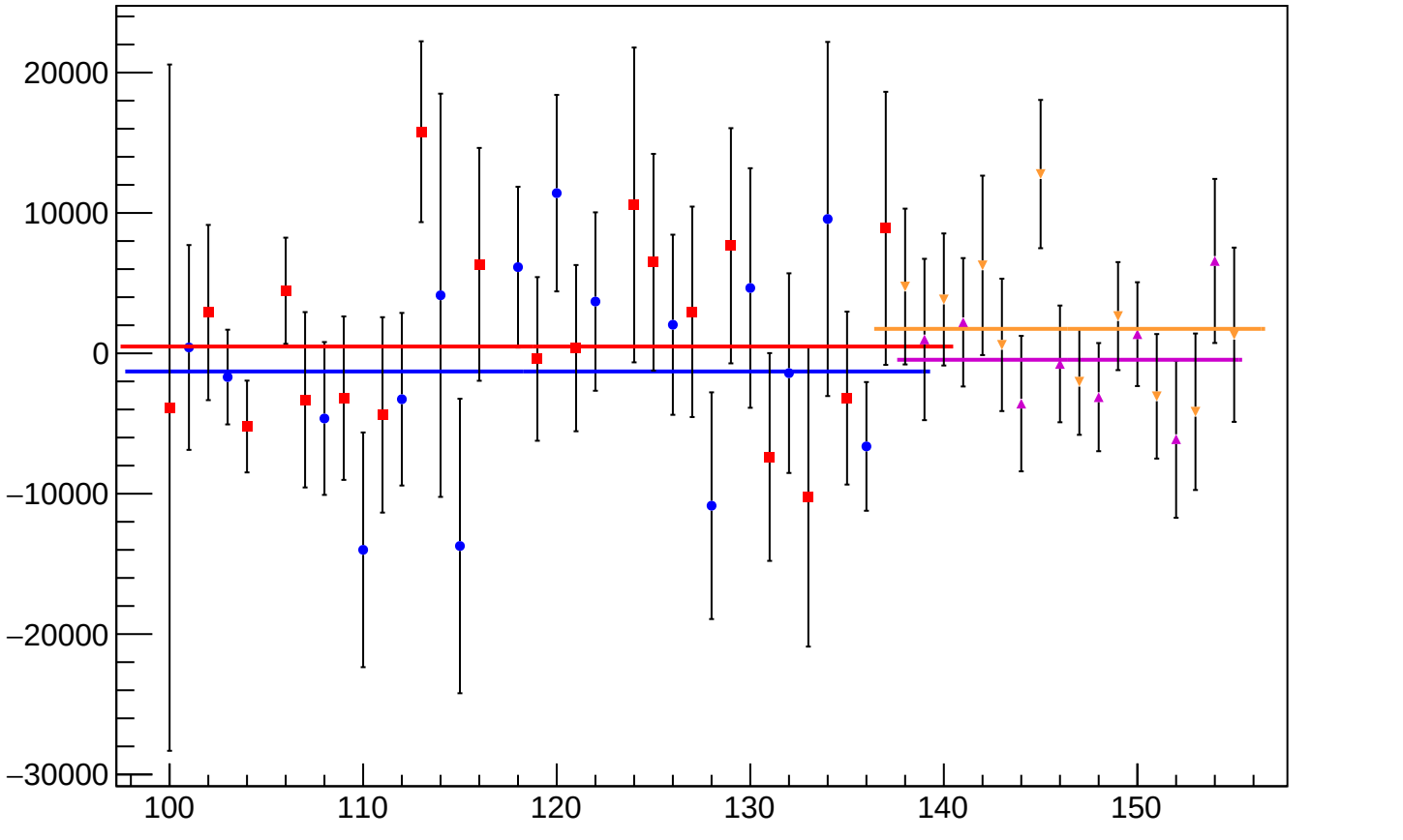
Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1857.782+/-0.496 χ^2/NDF:11676.1/7

+ sign 1891.610+/-0.348 χ^2/NDF: 720170.4/25

All: 1884.085+/-0.248 χ^2/NDF: 957906.1/52

- sign 1876.384+/-0.352 χ^2/NDF: 236791.8/26



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 1744.183+/-1526.097 χ^2/NDF:8.8/9

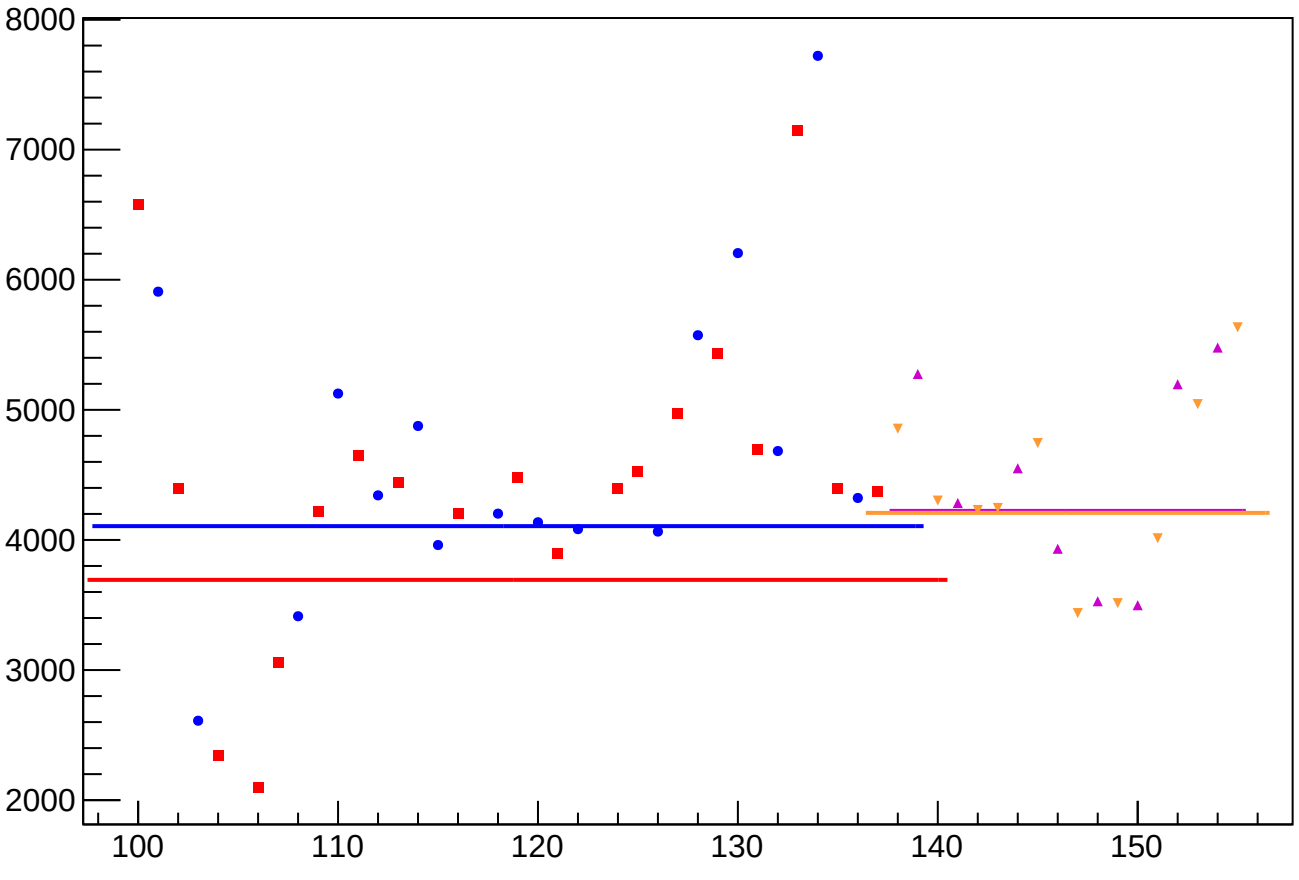
Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: -457.946+/-1620.927 χ^2/NDF:4.0/7

\+ sign 284.693+/-1099.492 χ^2/NDF: 24.9/25

All: 174.981+/-768.828 χ^2/NDF: 46.4/52

\- sign 70.008+/-1075.481 χ^2/NDF: 21.5/26



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4208.207+/-1.079 χ^2/NDF:351195.5/9

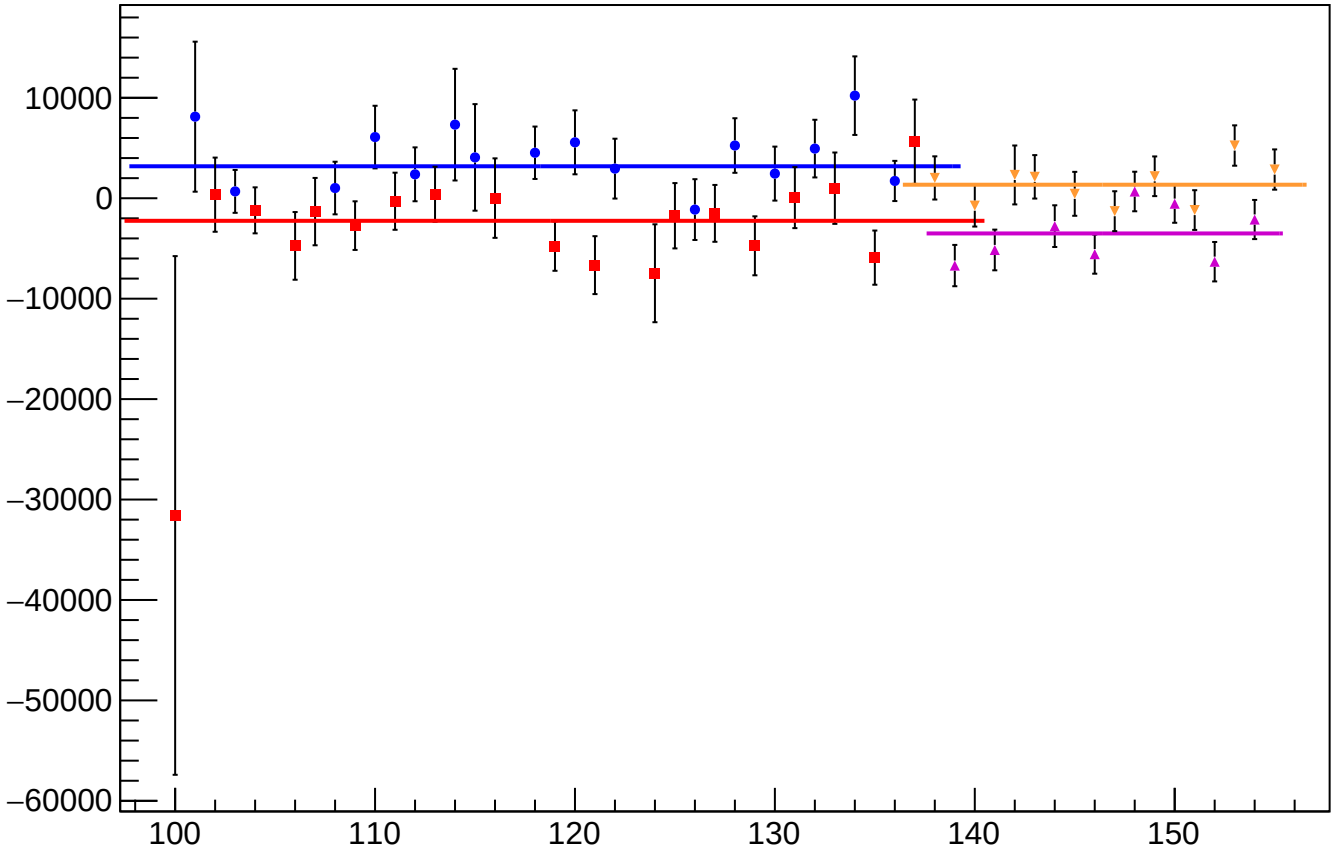
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4223.458+/-1.146 χ^2/NDF:381052.3/7

+ sign 4159.120+/-0.777 χ^2/NDF: 1311628.3/25

All: 4040.330+/-0.544 χ^2/NDF: 3214785.2/52

- sign 3926.672+/-0.760 χ^2/NDF: 1857474.3/26



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1346.562+/-666.900 χ^2/NDF:9.4/9

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

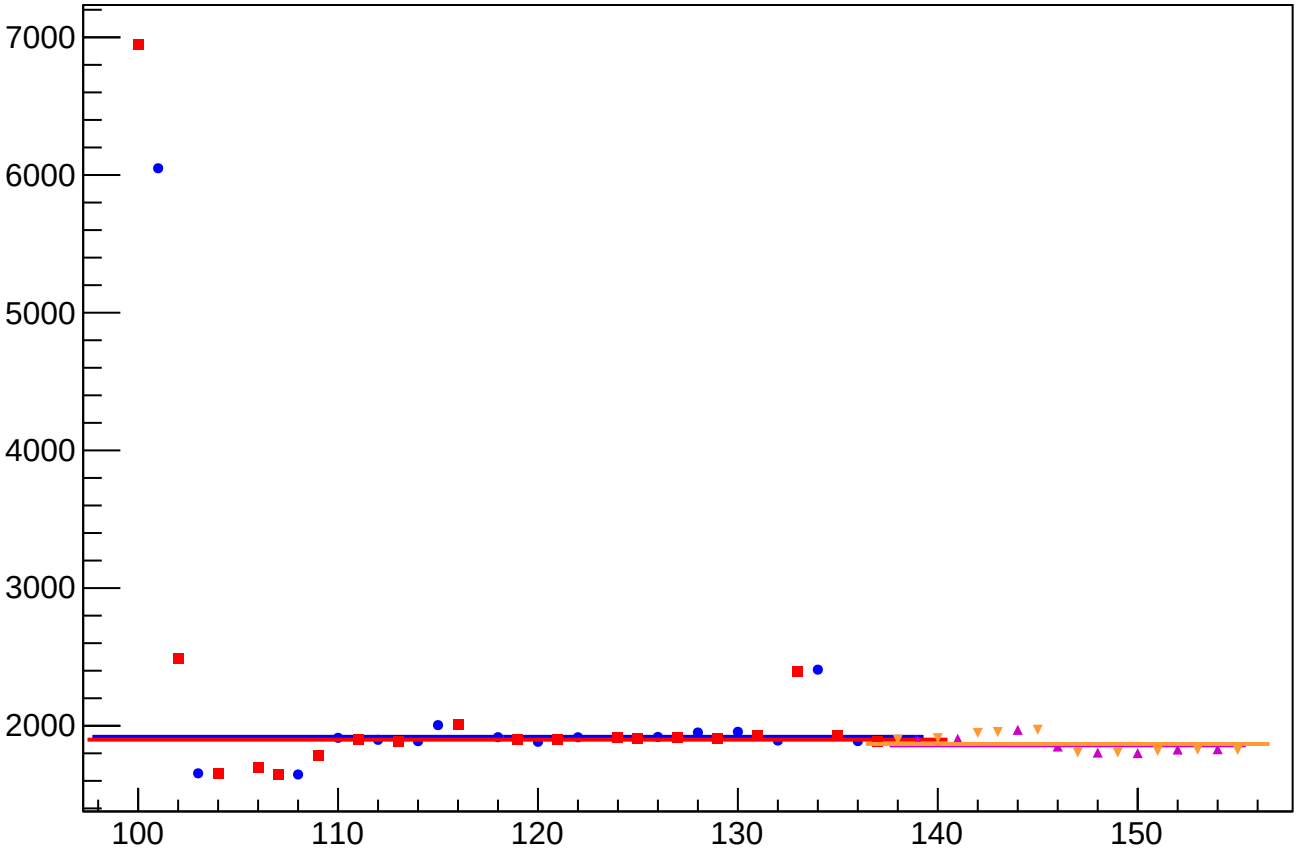
Left In: -3504.339+/-701.414 χ^2/NDF:13.8/7

+ sign 2180.572+/-492.716 χ^2/NDF: 24.6/25

All: -318.214+/-350.708 χ^2/NDF: 108.6/52

- sign -2884.224+/-499.300 χ^2/NDF: 31.9/26

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1868.133+/-0.472 χ^2/NDF:17381.5/9

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

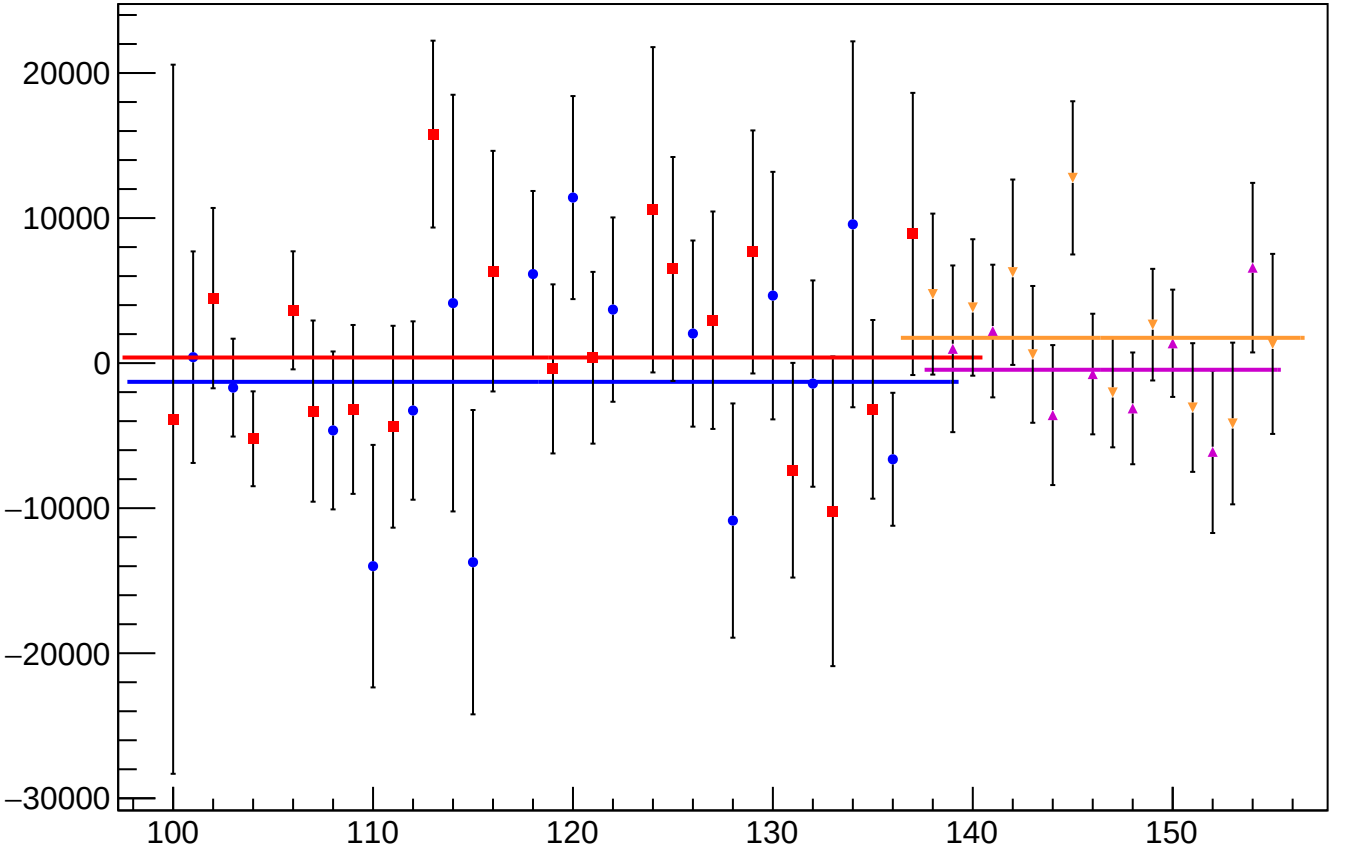
Left In: 1857.782+/-0.496 χ^2/NDF:11676.1/7

+ sign 1891.610+/-0.348 χ^2/NDF: 720169.6/25

All: 1885.051+/-0.248 χ^2/NDF: 951690.4/52

- sign 1878.326+/-0.353 χ^2/NDF: 230802.9/26

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1744.132+/-1526.092 χ^2/NDF:8.8/9

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

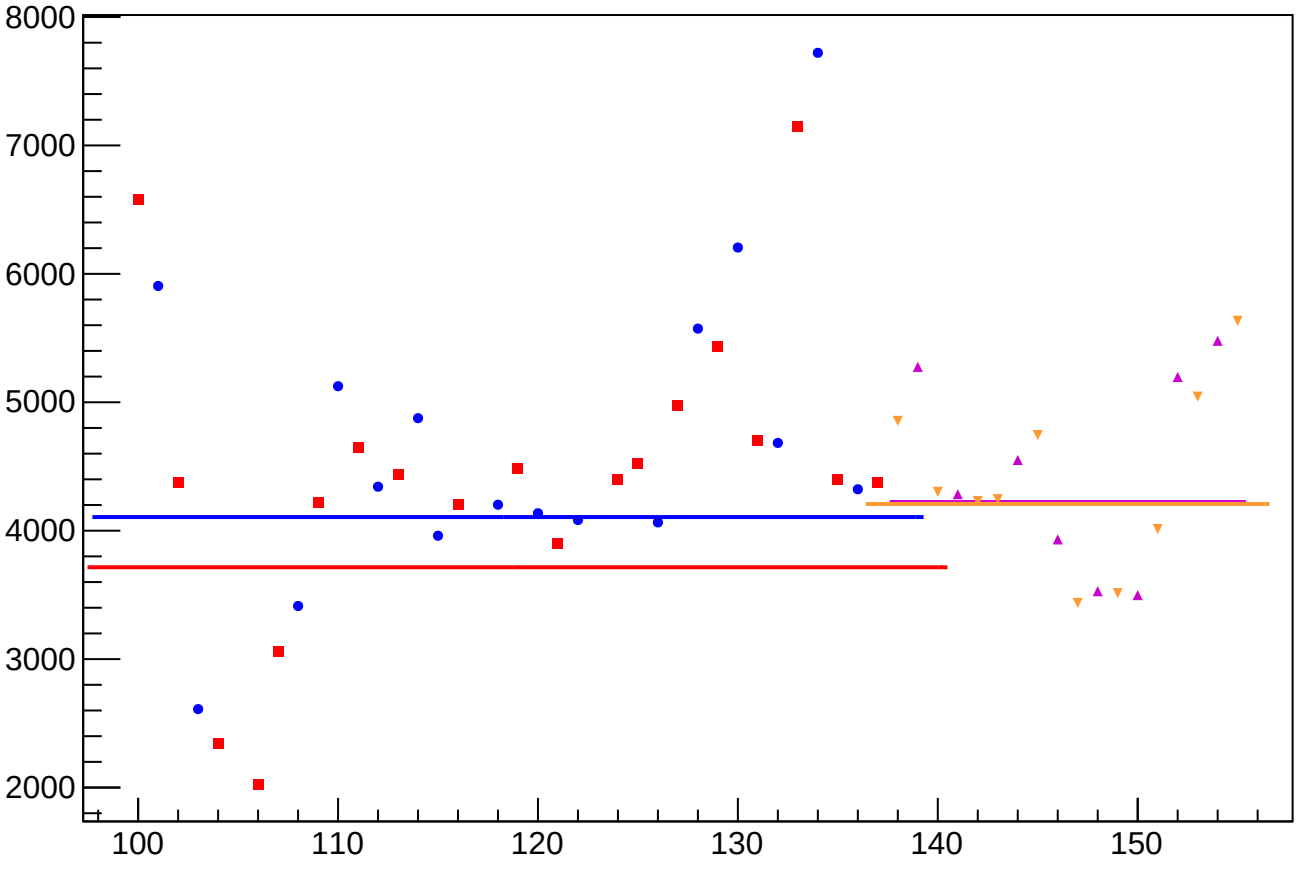
Left In: -457.988+/-1620.929 χ^2/NDF:4.0/7

+ sign 284.497+/-1099.491 χ^2/NDF: 24.9/25

All: 145.625+/-770.958 χ^2/NDF: 46.1/52

- sign 11.301+/-1081.334 χ^2/NDF: 21.2/26

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4208.191+/-1.079 χ^2/NDF:351203.5/9

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

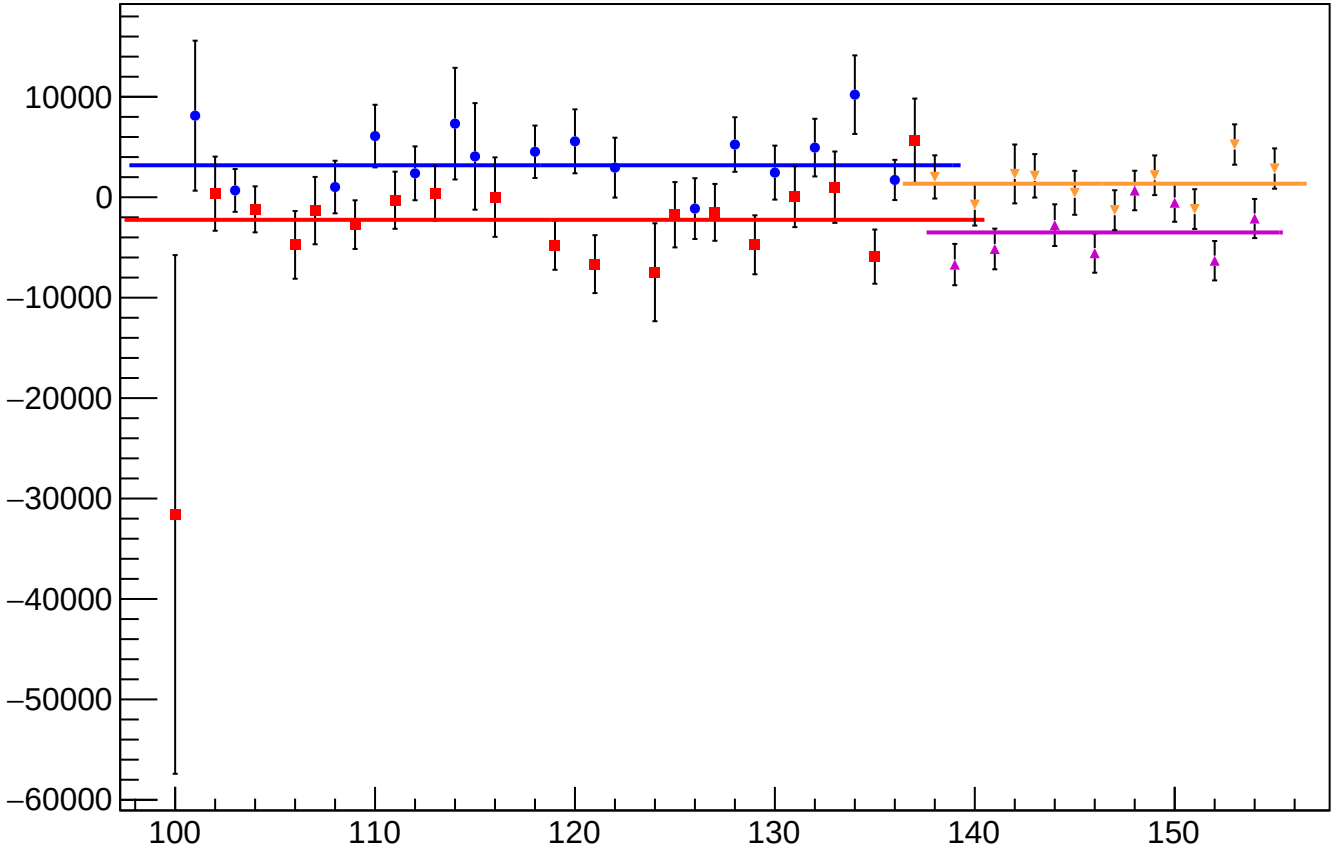
Left In: 4223.465+/-1.146 χ^2/NDF:381048.6/7

+ sign 4159.156+/-0.777 χ^2/NDF: 1311127.9/25

All: 4048.463+/-0.545 χ^2/NDF: 3176286.8/52

- sign 3941.396+/-0.765 χ^2/NDF: 1825279.5/26

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1346.562+/-666.900 χ^2/NDF:9.4/9

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

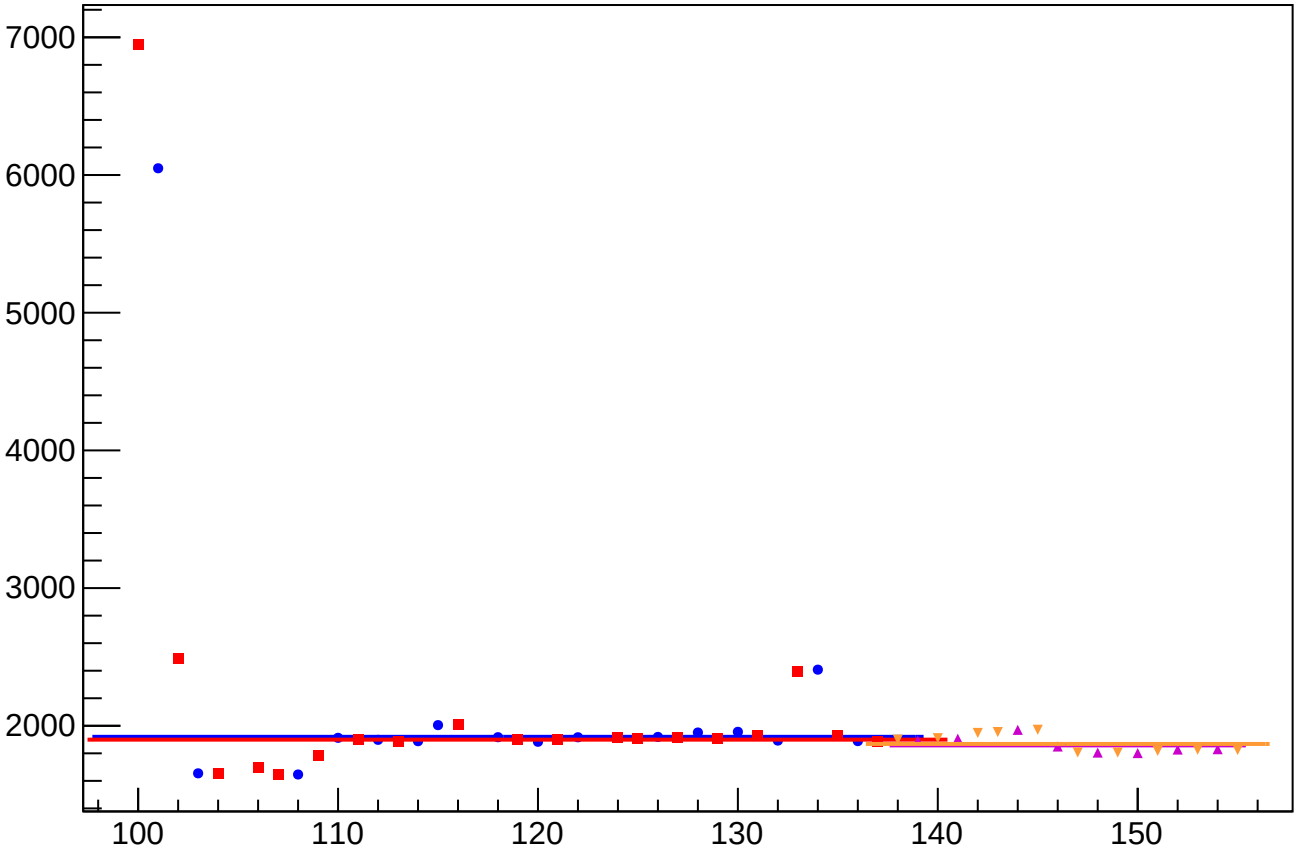
Left In: -3504.339+/-701.414 χ^2/NDF:13.8/7

+ sign 2180.572+/-492.716 χ^2/NDF: 24.6/25

All: -318.214+/-350.708 χ^2/NDF: 108.6/52

- sign -2884.224+/-499.300 χ^2/NDF: 31.9/26

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1868.133+/-0.472 χ^2/NDF:17381.5/9

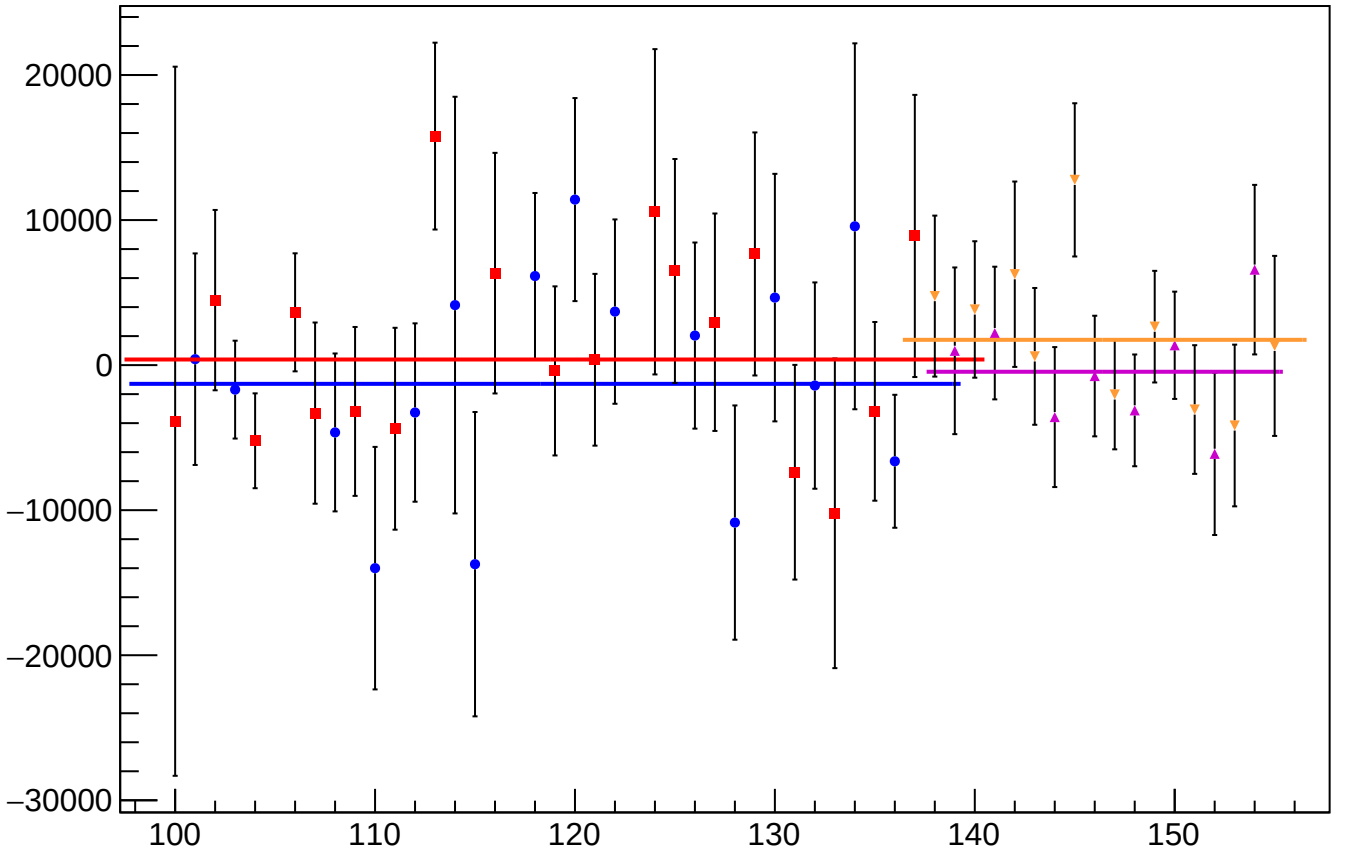
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1857.782+/-0.496 χ^2/NDF:11676.1/7

+ sign 1891.610+/-0.348 χ^2/NDF: 720169.6/25

All: 1885.051+/-0.248 χ^2/NDF: 951690.4/52

- sign 1878.326+/-0.353 χ^2/NDF: 230802.9/26



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1744.132+/-1526.092 χ^2/NDF:8.8/9

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

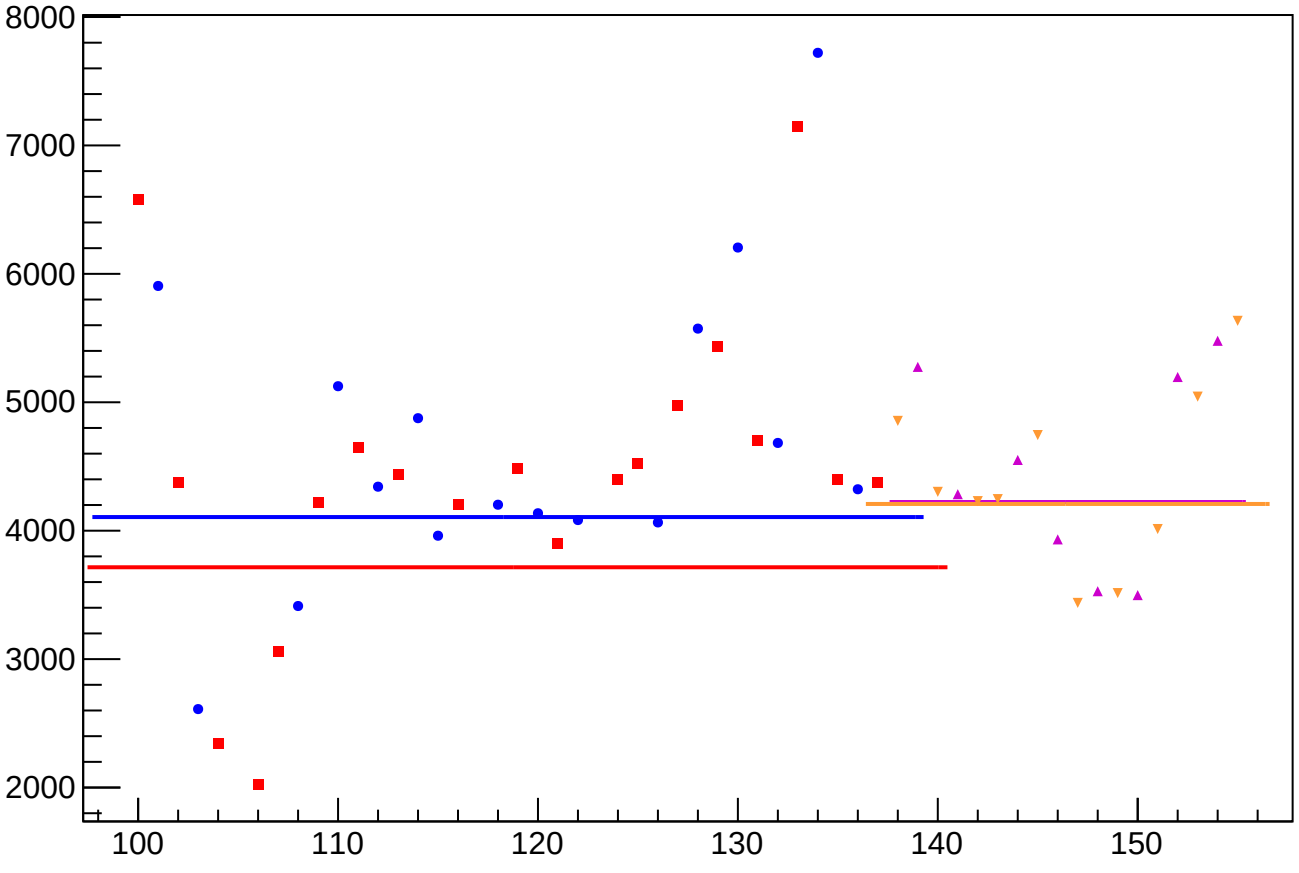
Left In: -457.988+/-1620.929 χ^2/NDF:4.0/7

+ sign 284.497+/-1099.491 χ^2/NDF: 24.9/25

All: 145.625+/-770.958 χ^2/NDF: 46.1/52

- sign 11.301+/-1081.334 χ^2/NDF: 21.2/26

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4208.191+/-1.079 χ^2/NDF:351203.5/9

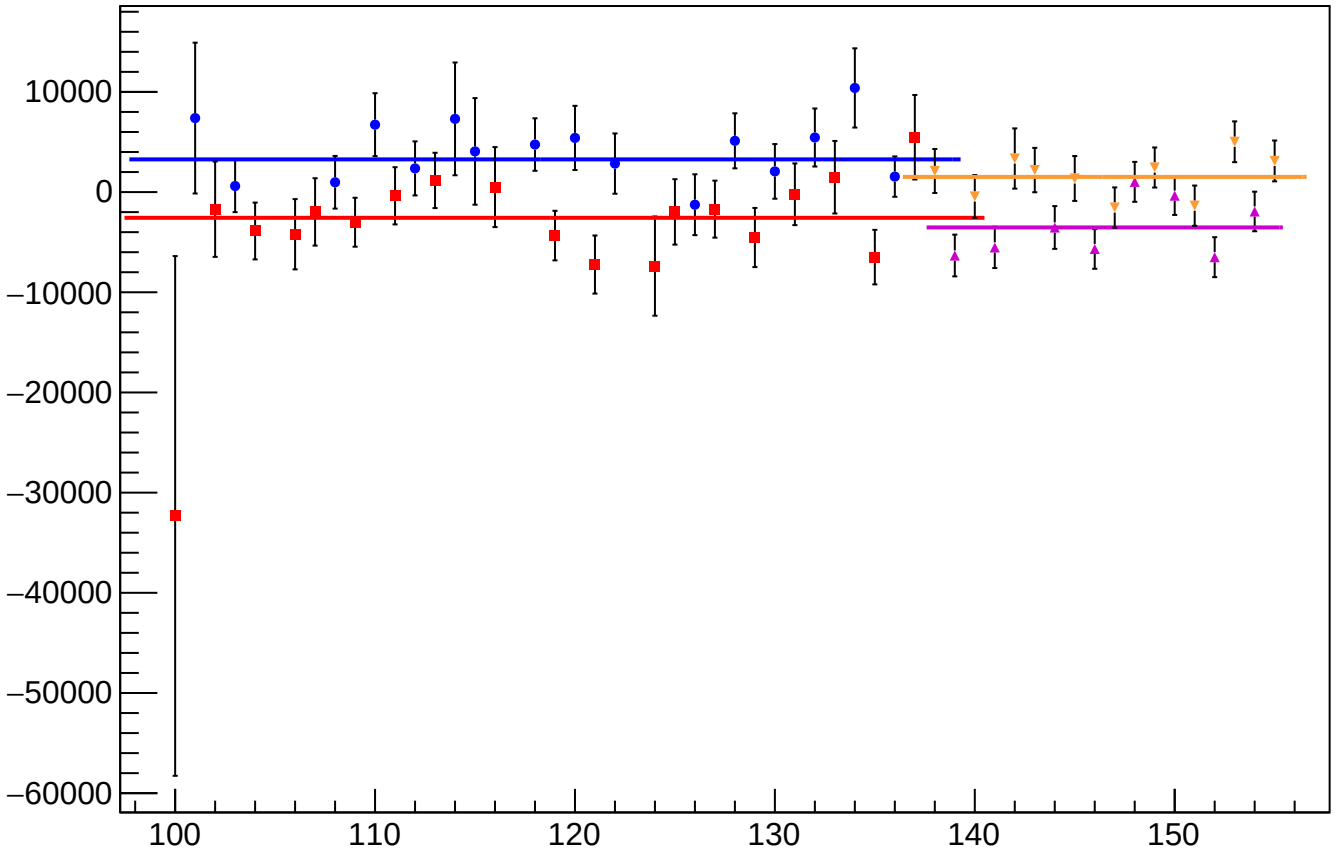
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4223.465+/-1.146 χ^2/NDF:381048.6/7

+ sign 4159.156+/-0.777 χ^2/NDF: 1311127.9/25

All: 4048.463+/-0.545 χ^2/NDF: 3176286.8/52

- sign 3941.396+/-0.765 χ^2/NDF: 1825279.5/26



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1516.292+/-679.084 χ^2/NDF:9.5/9

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

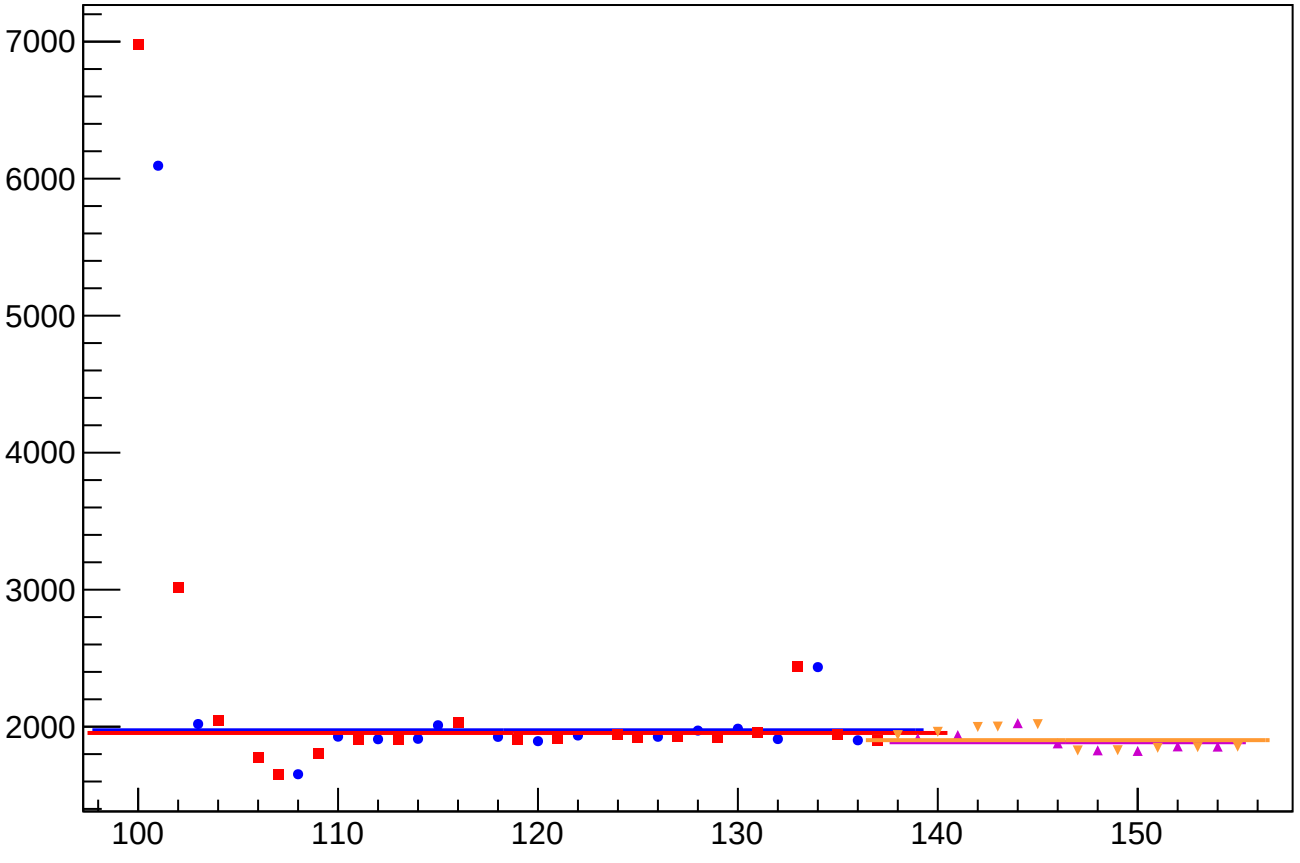
Left In: -3528.631+/-712.424 χ^2/NDF:14.7/7

+ sign 2302.922+/-503.655 χ^2/NDF: 24.7/25

All: -338.299+/-358.884 χ^2/NDF: 113.2/52

- sign -3062.576+/-511.513 χ^2/NDF: 32.6/26

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1901.866+/-0.480 χ^2/NDF:23003.1/9

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

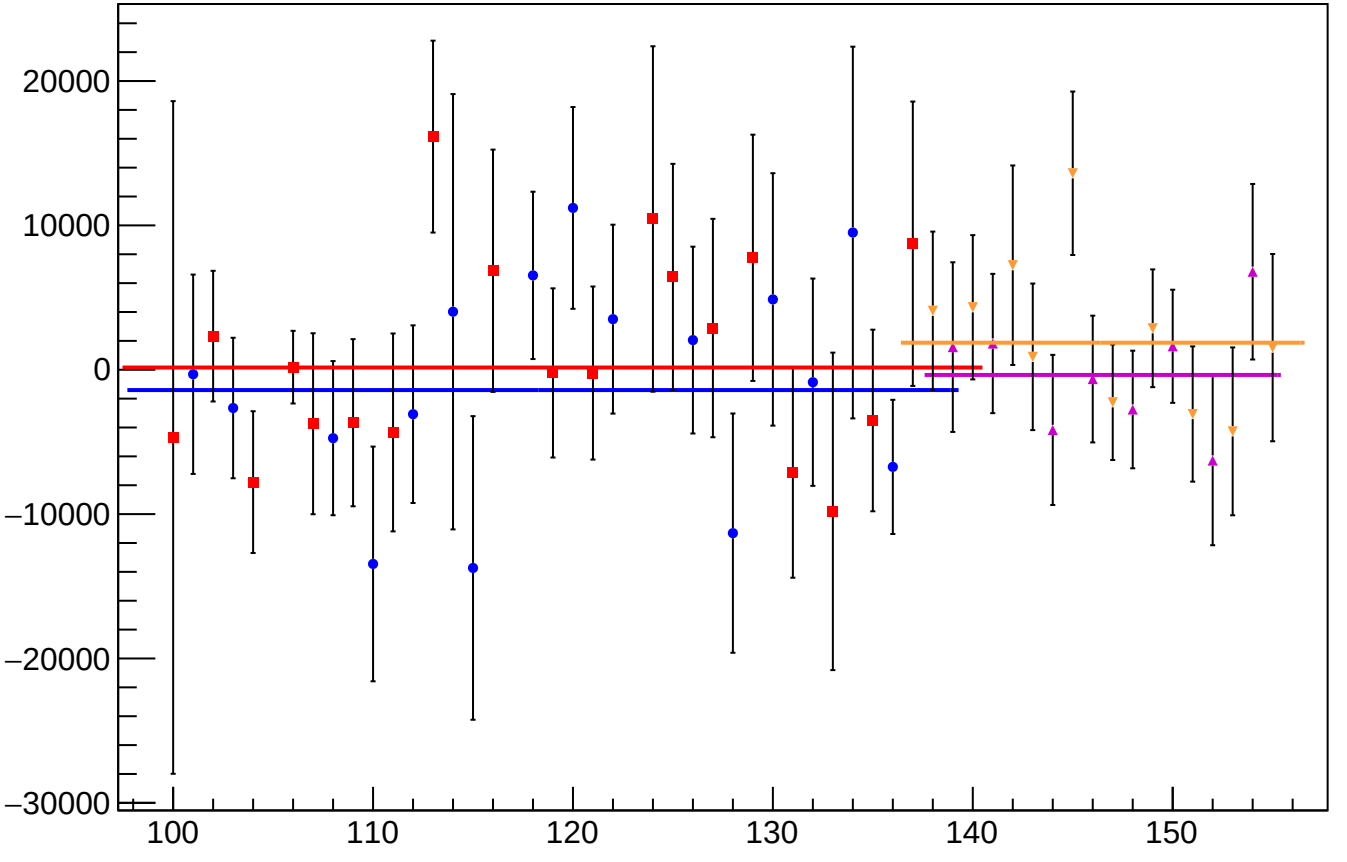
Left In: 1886.666+/-0.504 χ^2/NDF:15110.1/7

+ sign 1934.208+/-0.356 χ^2/NDF: 698209.9/25

All: 1926.956+/-0.254 χ^2/NDF: 969124.3/52

- sign 1919.483+/-0.362 χ^2/NDF: 270072.5/26

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 1874.541+/-1610.127 χ^2/NDF:8.7/9

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

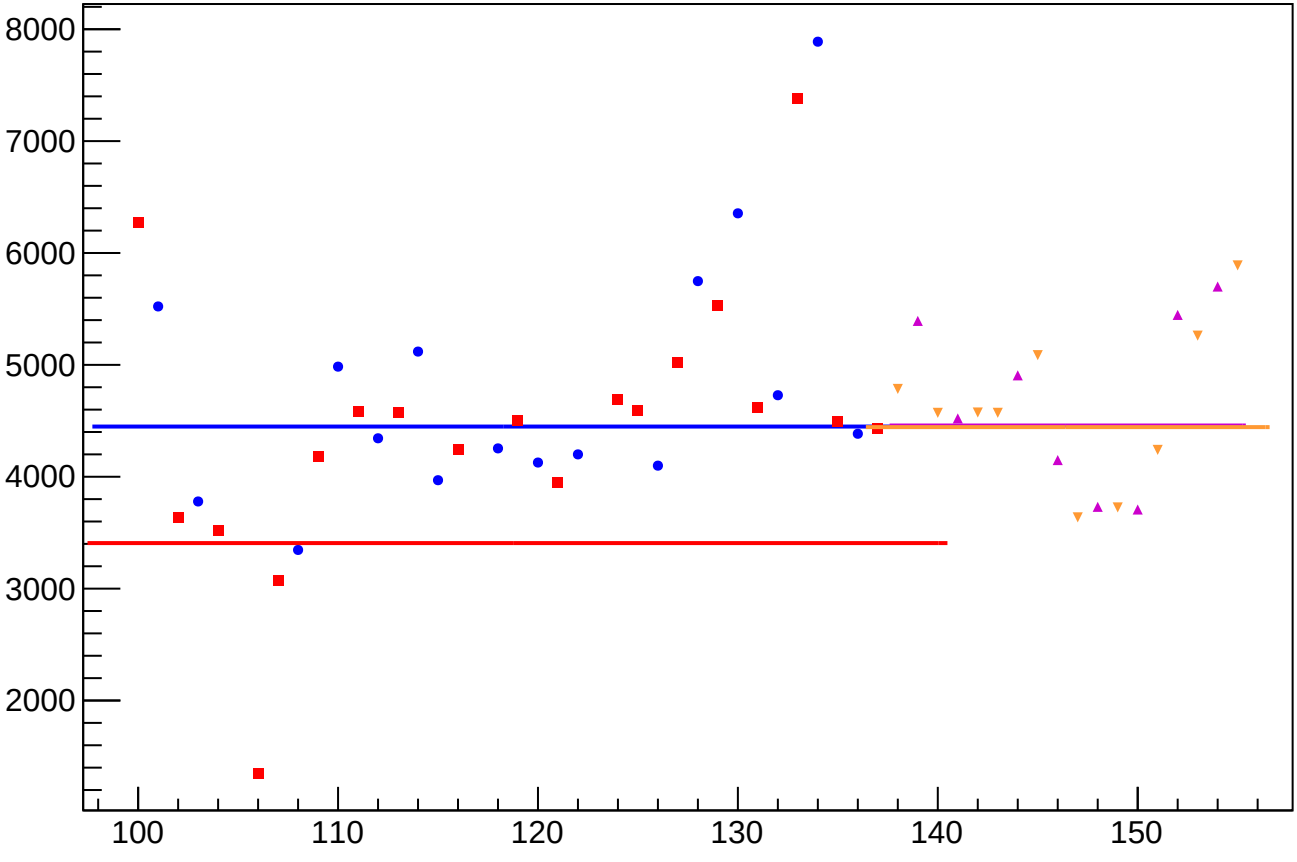
Left In: -359.457+/-1709.250 χ^2/NDF:3.9/7

\+ sign 312.954+/-1165.743 χ^2/NDF: 24.9/25

All: 118.047+/-786.666 χ^2/NDF: 44.7/52

\- sign -44.925+/-1065.968 χ^2/NDF: 19.7/26

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4443.647+/-1.139 χ^2/NDF:322666.8/9

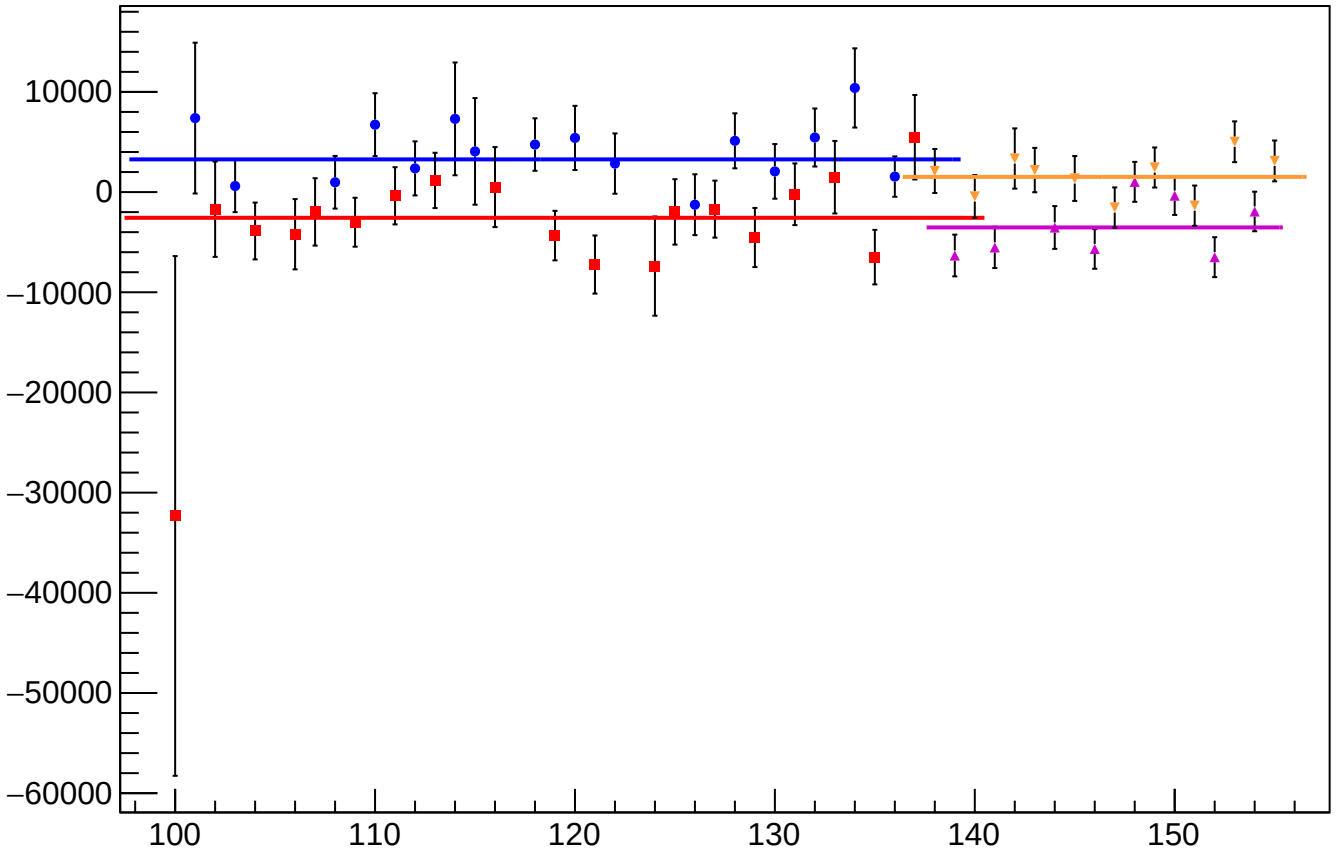
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4458.001+/-1.209 χ^2/NDF:353090.5/7

+ sign 4446.057+/-0.824 χ^2/NDF: 817289.7/25

All: 4102.834+/-0.556 χ^2/NDF: 4276738.0/52

- sign 3815.849+/-0.754 χ^2/NDF: 3141113.6/26



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1516.288+/-679.084 χ^2/NDF:9.5/9

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

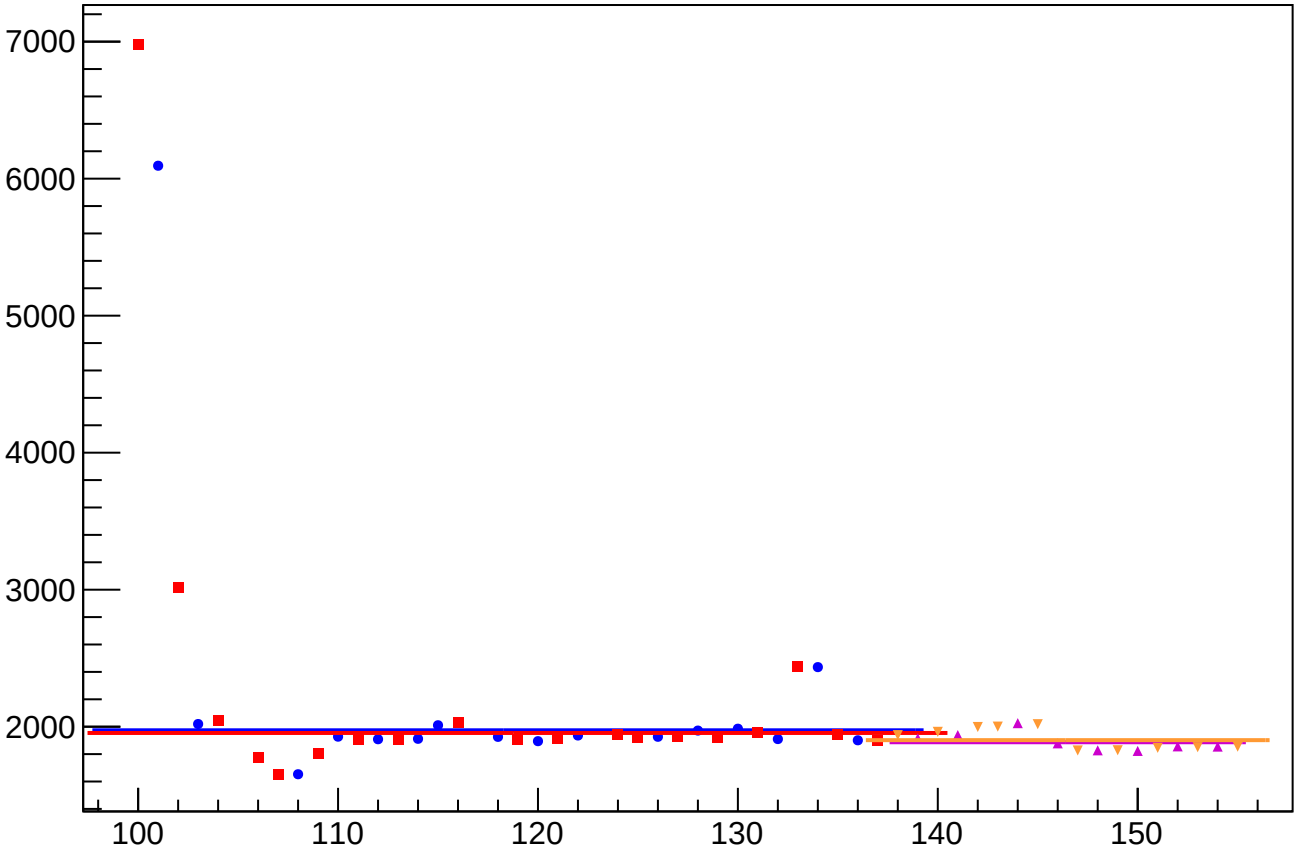
Left In: -3528.627+/-712.424 χ^2/NDF:14.7/7

+ sign 2302.922+/-503.655 χ^2/NDF: 24.7/25

All: -338.299+/-358.884 χ^2/NDF: 113.2/52

- sign -3062.577+/-511.513 χ^2/NDF: 32.6/26

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1901.866+/-0.480 χ^2/NDF:23003.2/9

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

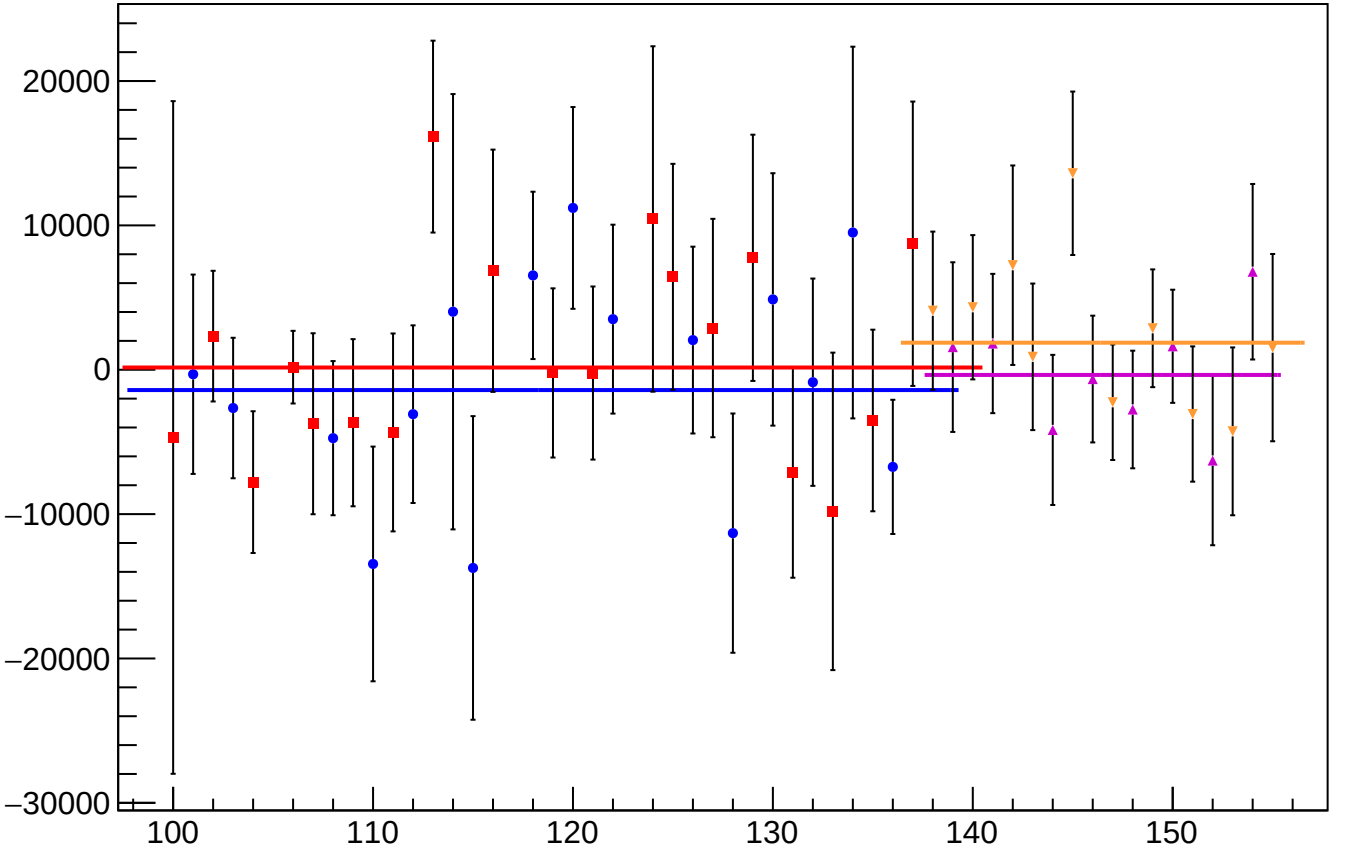
Left In: 1886.666+/-0.504 χ^2/NDF:15110.1/7

+ sign 1934.208+/-0.356 χ^2/NDF: 698209.8/25

All: 1926.956+/-0.254 χ^2/NDF: 969123.5/52

- sign 1919.483+/-0.362 χ^2/NDF: 270071.8/26

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 1874.537+/-1610.130 χ^2/NDF:8.7/9

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

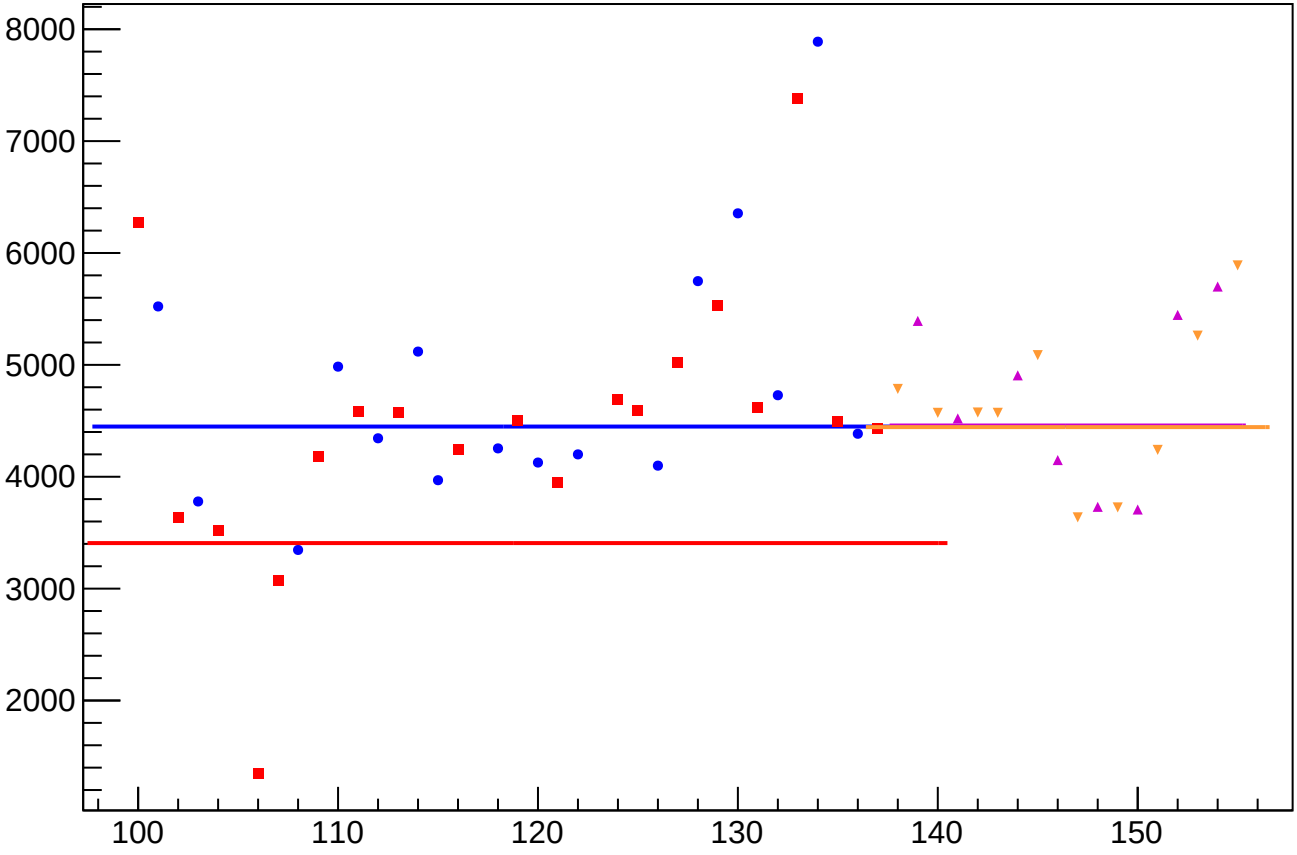
Left In: -359.453+/-1709.252 χ^2/NDF:3.9/7

+ sign 312.956+/-1165.743 χ^2/NDF: 24.9/25

All: 118.049+/-786.666 χ^2/NDF: 44.7/52

- sign -44.921+/-1065.967 χ^2/NDF: 19.7/26

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4443.653+/-1.139 χ^2/NDF:322665.8/9

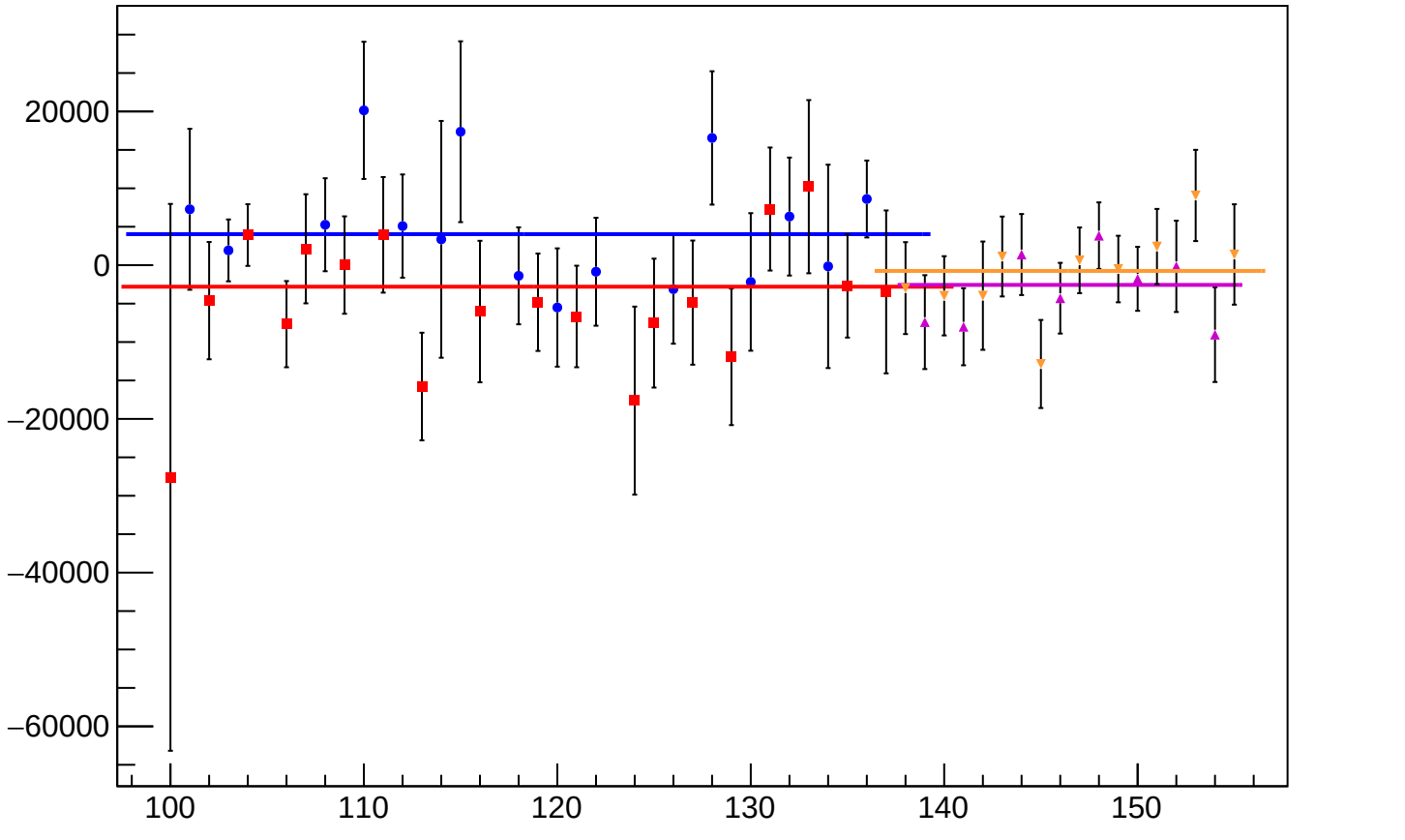
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4458.007+/-1.209 χ^2/NDF:353088.3/7

+ sign 4446.056+/-0.824 χ^2/NDF: 817285.7/25

All: 4102.831+/-0.556 χ^2/NDF: 4276752.7/52

- sign 3815.845+/-0.754 χ^2/NDF: 3141128.0/26



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -745.314+/-1678.648 χ^2/NDF:8.7/9

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

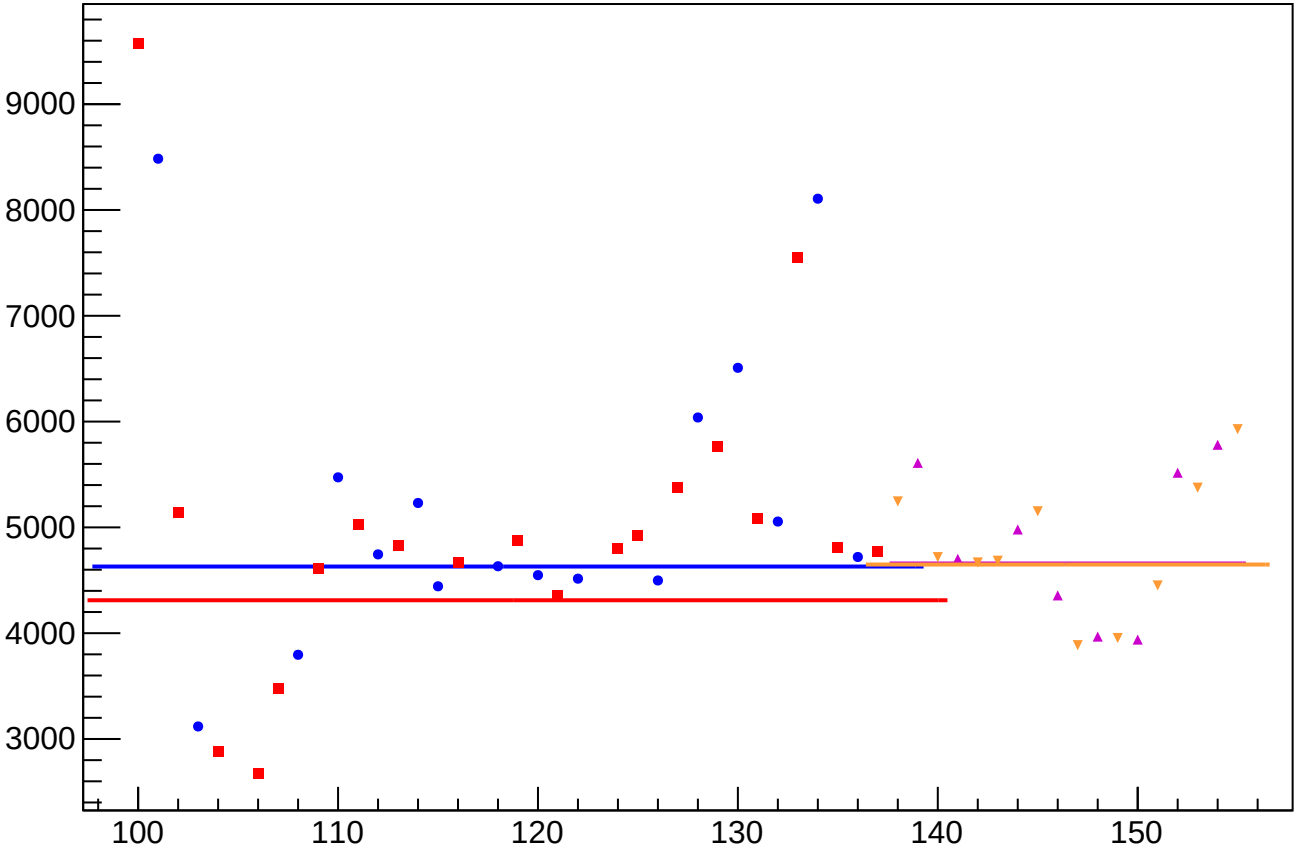
Left In: -2567.057+/-1780.131 χ^2/NDF:6.0/7

+ sign 1501.965+/-1221.897 χ^2/NDF: 24.9/25

All: -600.122+/-862.869 χ^2/NDF: 52.2/52

- sign -2691.117+/-1218.670 χ^2/NDF: 21.4/26

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4648.932+/-1.187 χ^2/NDF:260909.1/9

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

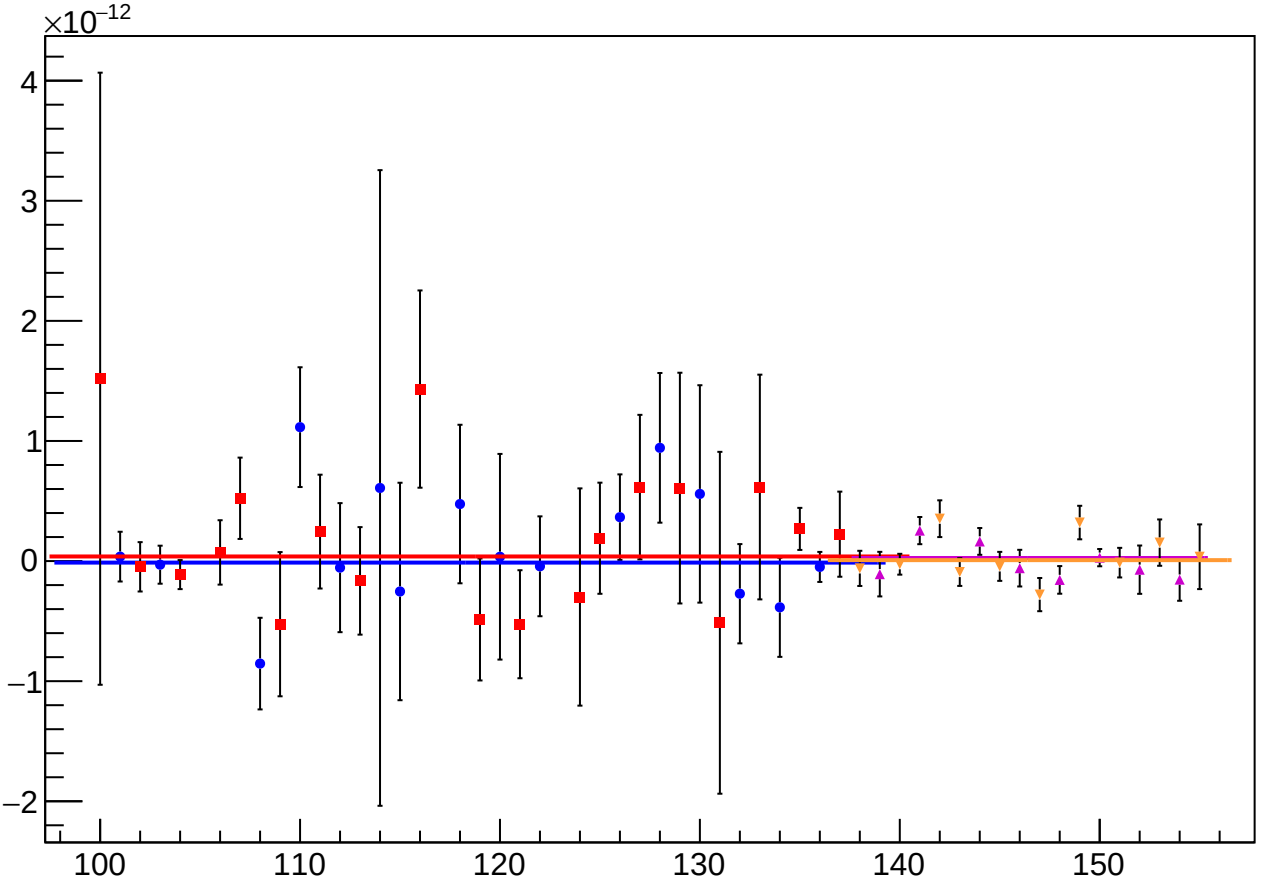
Left In: 4658.904+/-1.259 χ^2/NDF:283350.8/7

+ sign 4640.016+/-0.864 χ^2/NDF: 1161275.4/25

All: 4555.731+/-0.609 χ^2/NDF: 2409126.1/52

- sign 4472.665+/-0.858 χ^2/NDF: 1228956.1/26

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:16.3/9

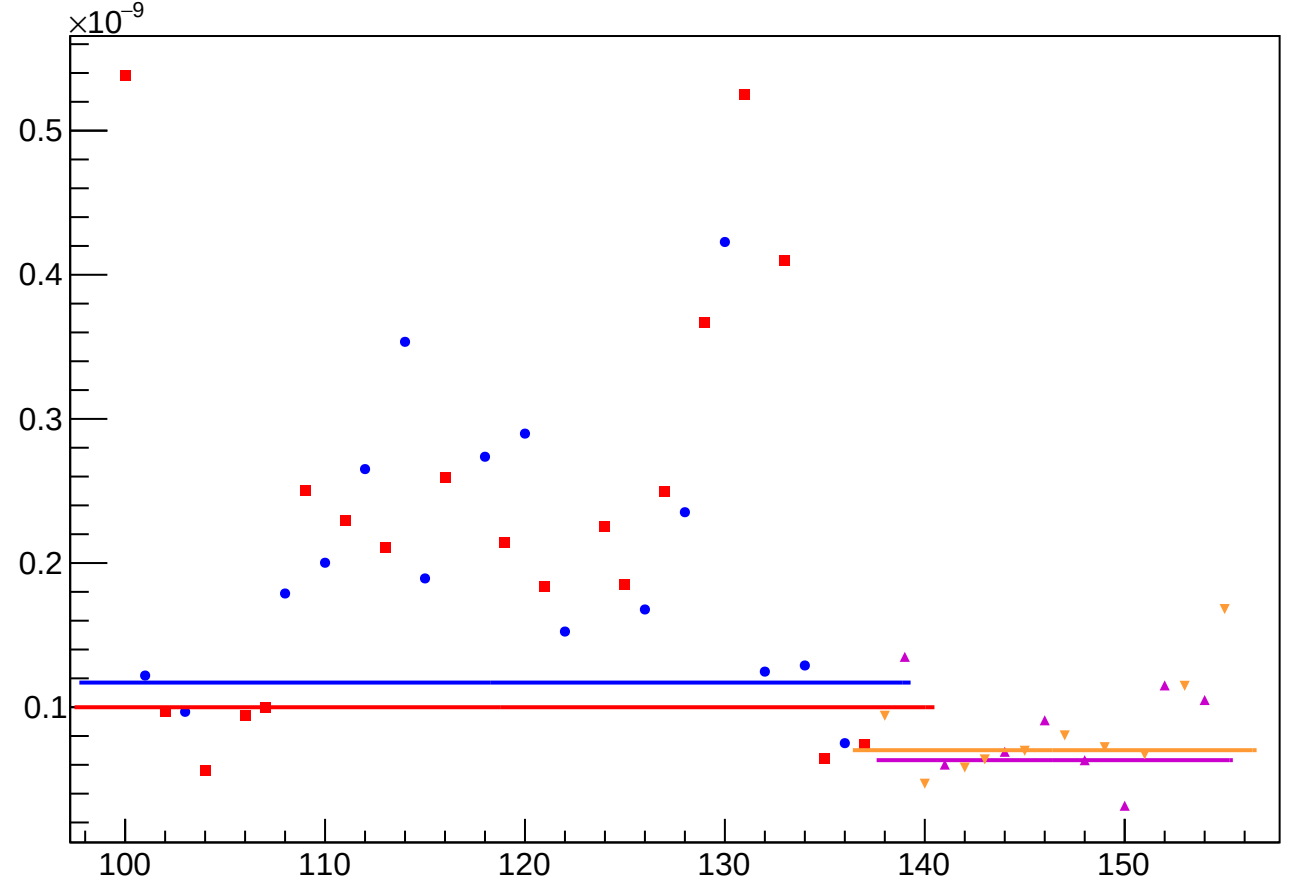
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/25

All: 0.000+/-0.000 χ^2/NDF: 57.7/52

- sign 0.000+/-0.000 χ^2/NDF: 25.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:599511.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

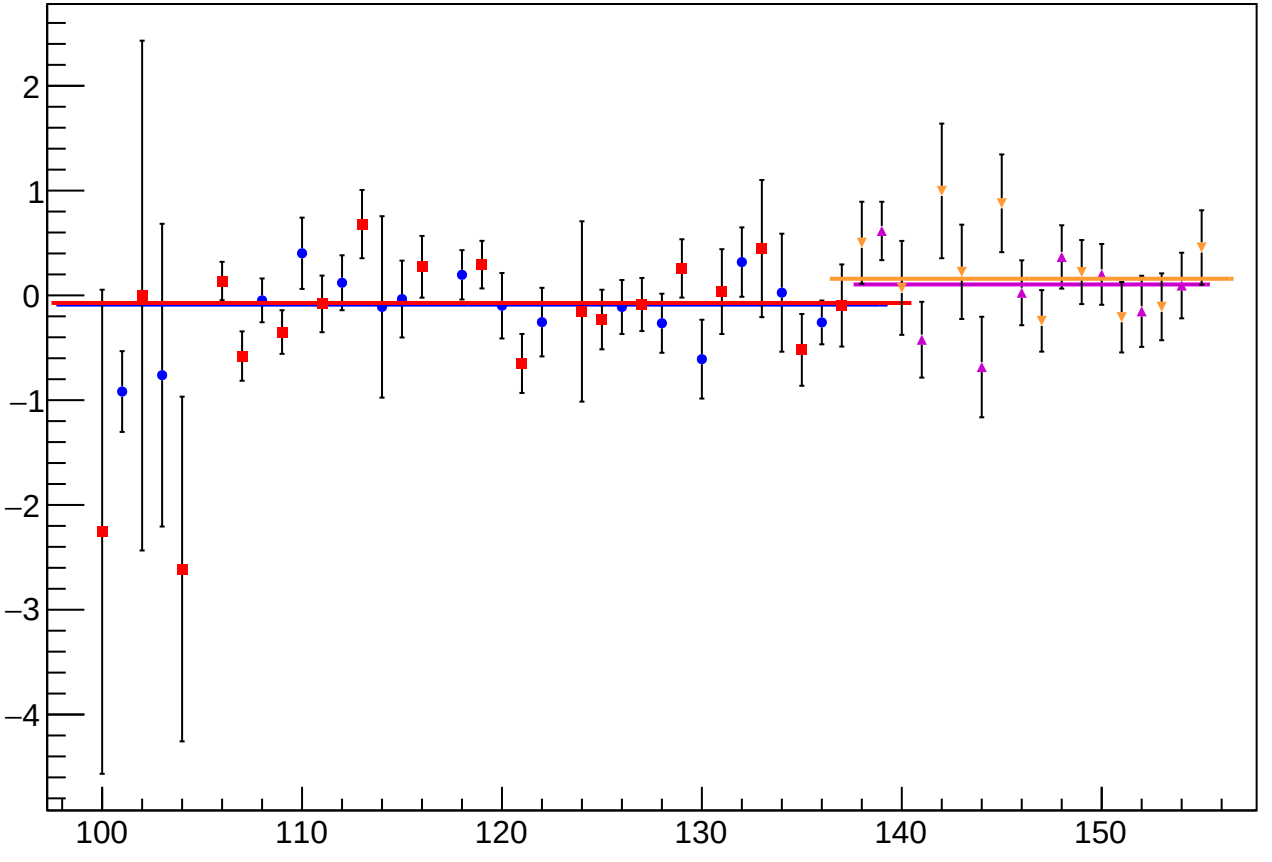
Left In: 0.000+/-0.000 χ^2/NDF:1002837.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 2292757.0/25

All: 0.000+/-0.000 χ^2/NDF: 5575484.0/52

- sign 0.000+/-0.000 χ^2/NDF: 3227887.4/26

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.159+/-0.118 χ^2/NDF:9.4/9

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

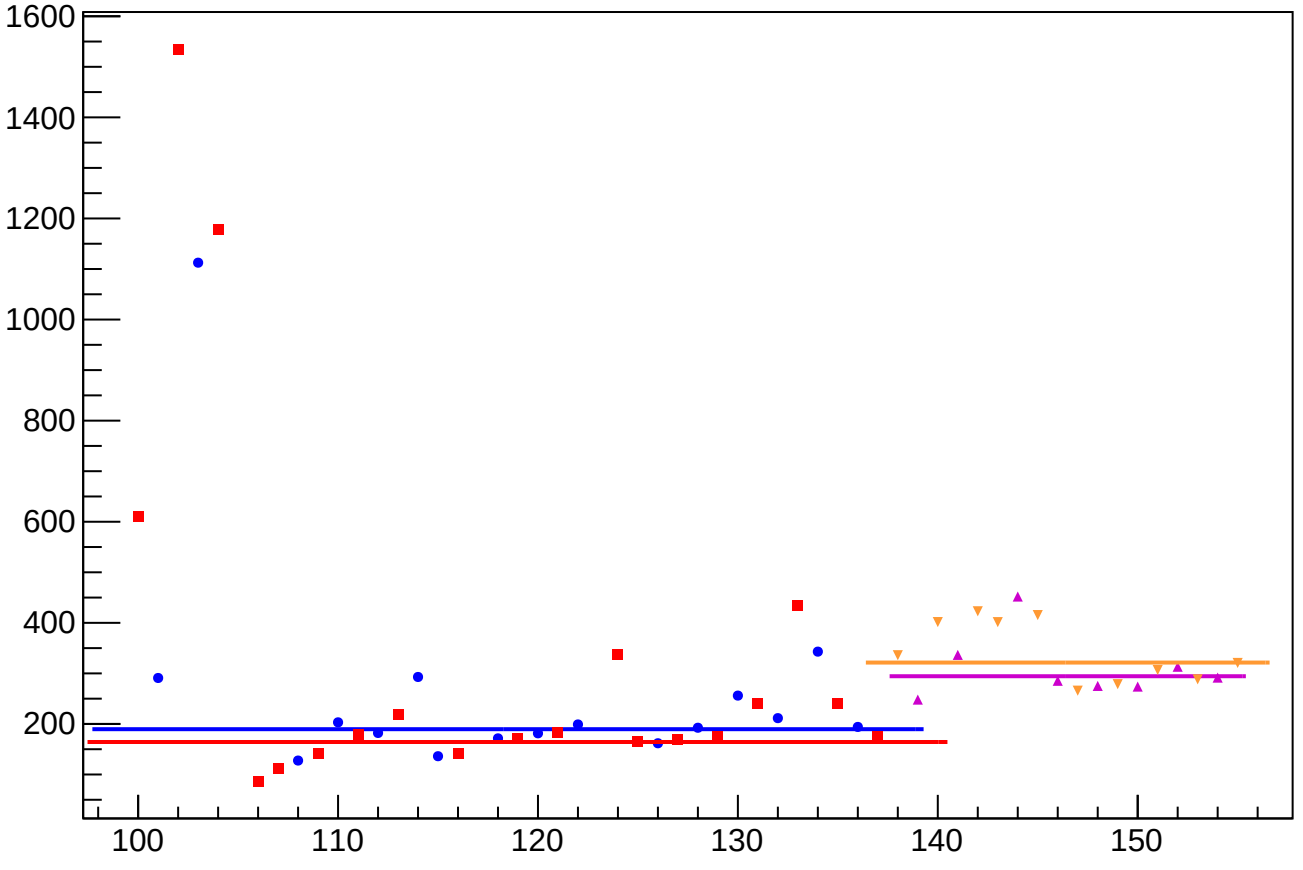
Left In: 0.104+/-0.114 χ^2/NDF:9.7/7

+ sign -0.014+/-0.064 χ^2/NDF: 26.4/25

All: -0.020+/-0.044 χ^2/NDF: 66.5/52

- sign -0.024+/-0.060 χ^2/NDF: 40.1/26

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 321.445+/-0.083 χ^2/NDF:396909.4/9

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

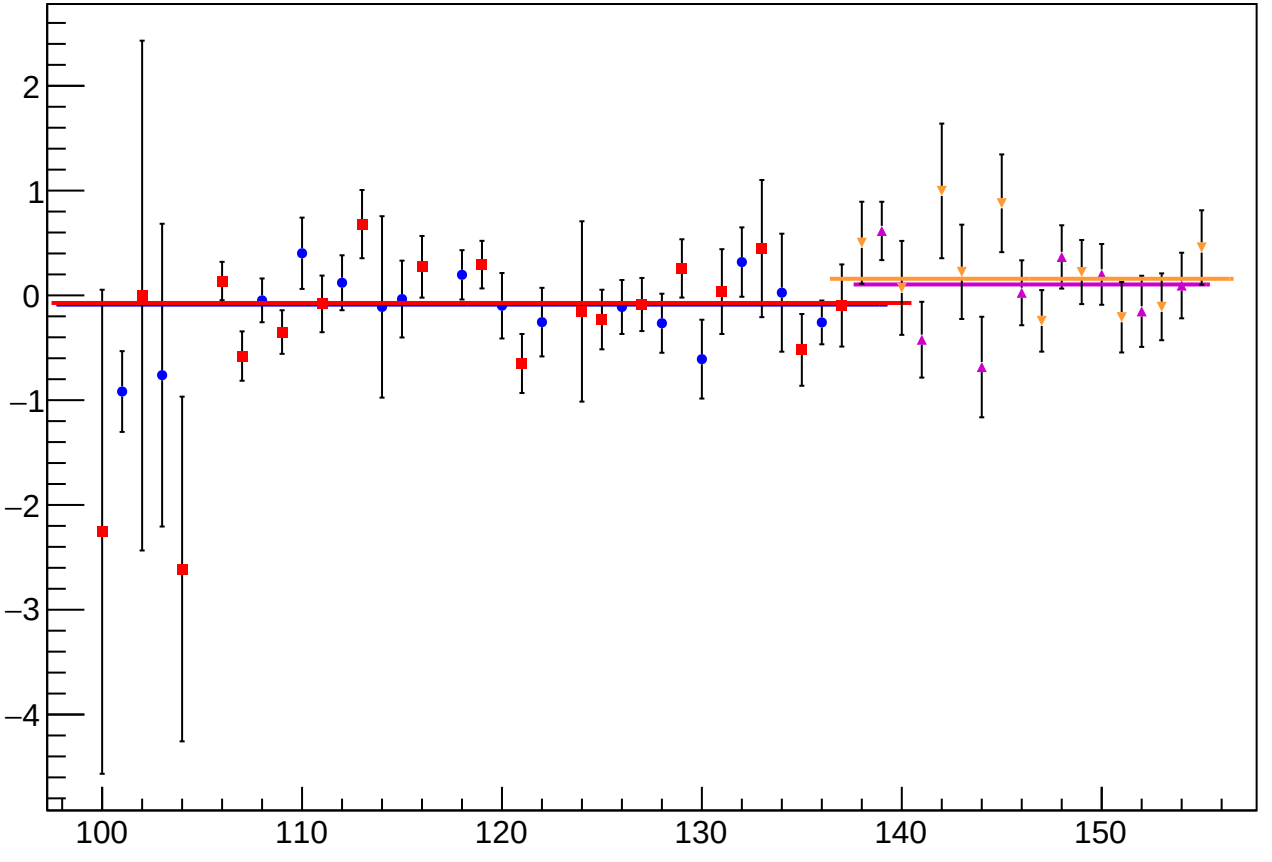
Left In: 294.398+/-0.081 χ^2/NDF:324334.8/7

+ sign 229.028+/-0.045 χ^2/NDF: 3624856.3/25

All: 213.405+/-0.031 χ^2/NDF: 8705855.5/52

- sign 199.952+/-0.042 χ^2/NDF: 4861136.4/26

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: 0.159+/-0.118 χ^2/NDF:9.4/9

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

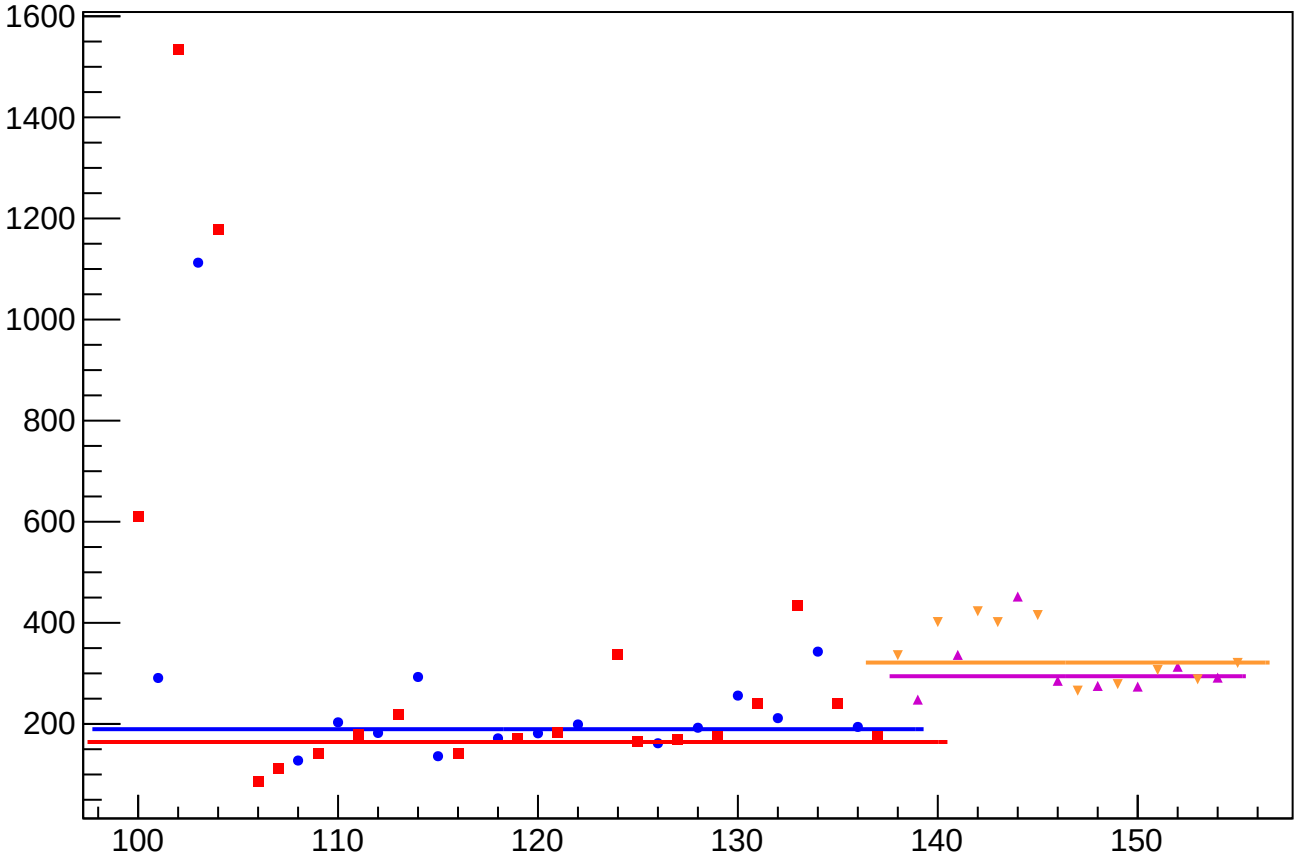
Left In: 0.104+/-0.114 χ^2/NDF:9.7/7

+ sign -0.014+/-0.064 χ^2/NDF: 26.4/25

All: -0.020+/-0.044 χ^2/NDF: 66.5/52

- sign -0.024+/-0.060 χ^2/NDF: 40.1/26

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: 321.445+/-0.083 χ^2/NDF:396909.4/9

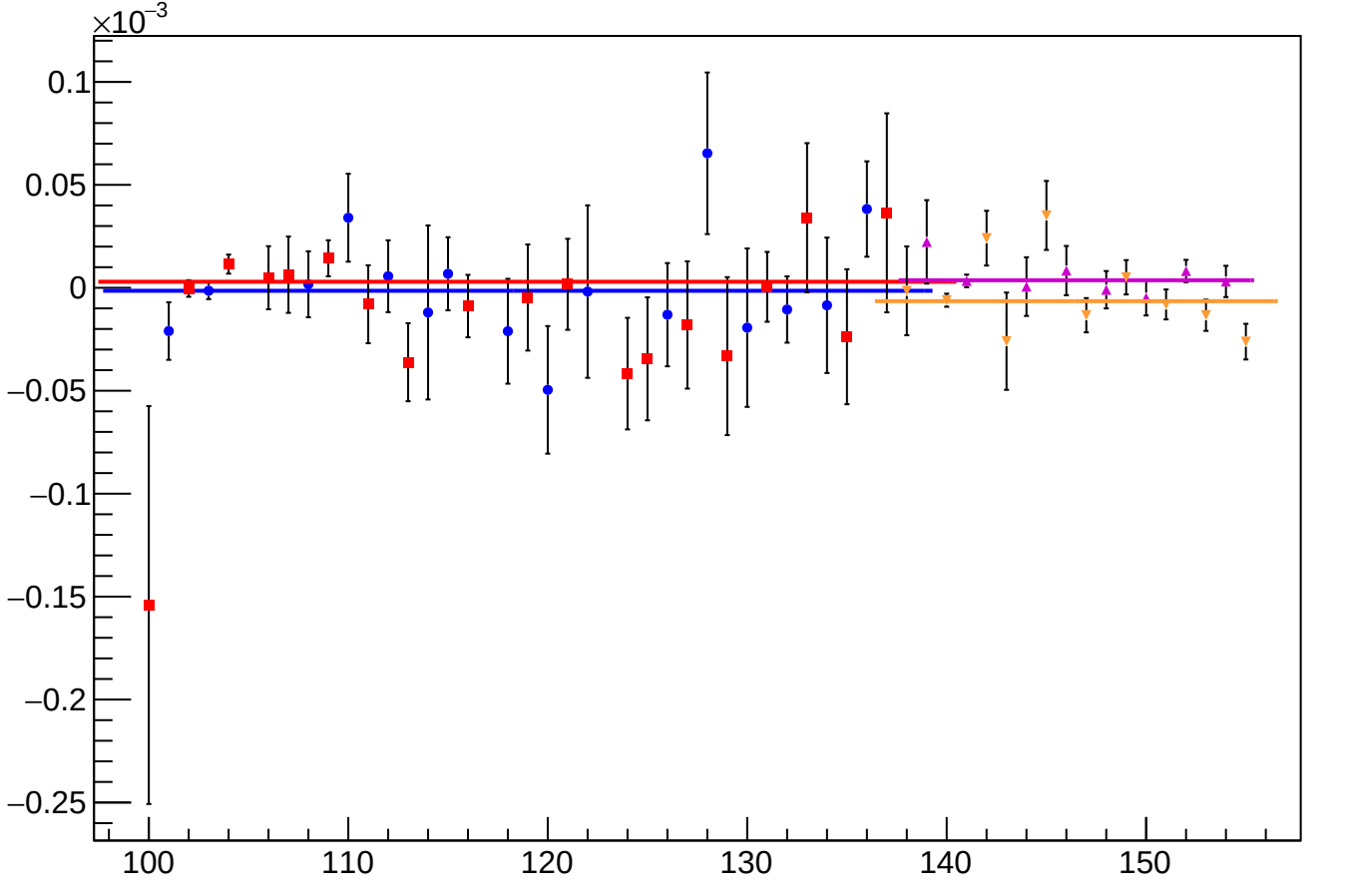
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 294.398+/-0.081 χ^2/NDF:324334.8/7

+ sign 229.028+/-0.045 χ^2/NDF: 3624856.3/25

All: 213.405+/-0.031 χ^2/NDF: 8705855.5/52

- sign 199.952+/-0.042 χ^2/NDF: 4861136.4/26



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

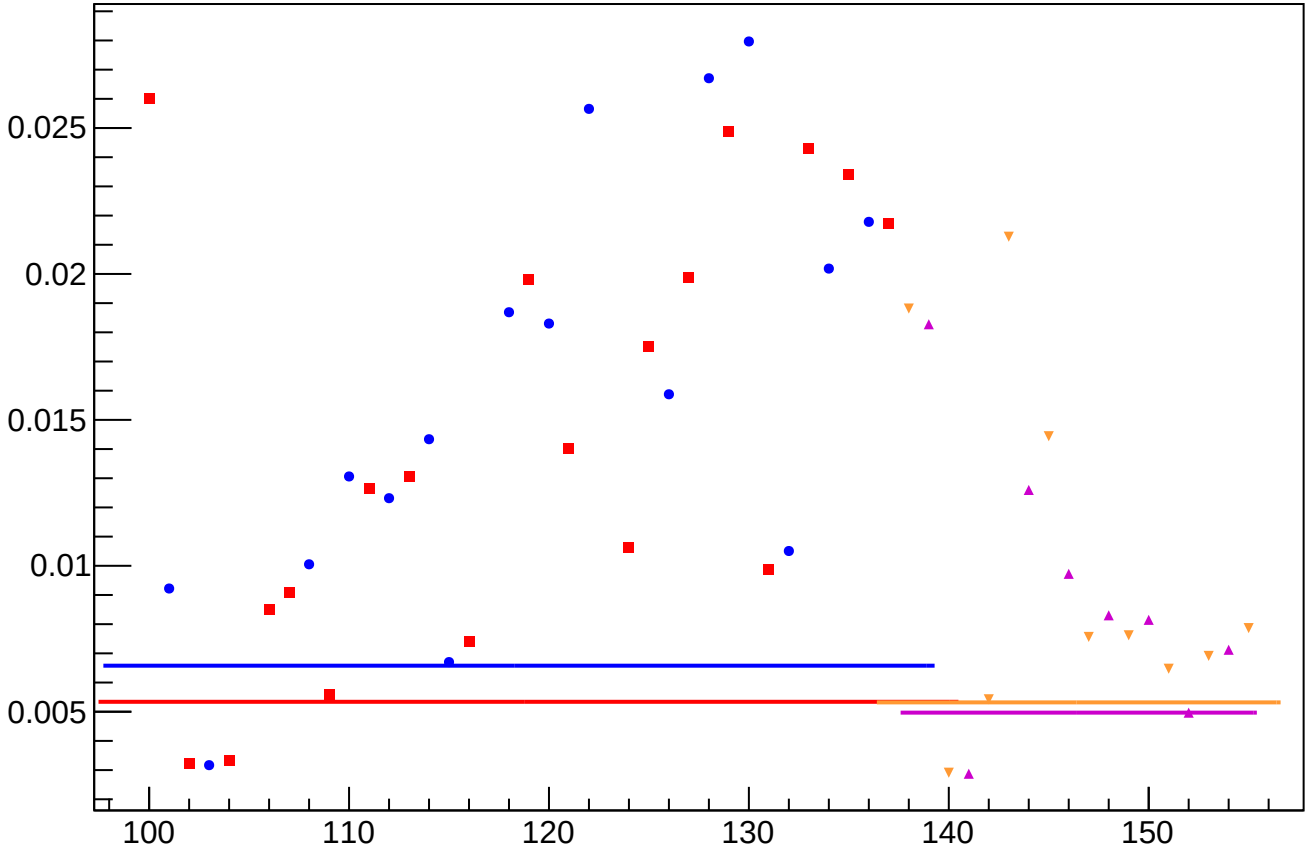
Left In: 0.000+/-0.000 χ^2/NDF:3.0/7

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/25

All: -0.000+/-0.000 χ^2/NDF: 72.0/52

- sign 0.000+/-0.000 χ^2/NDF: 24.3/26

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:4048123.2/9

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

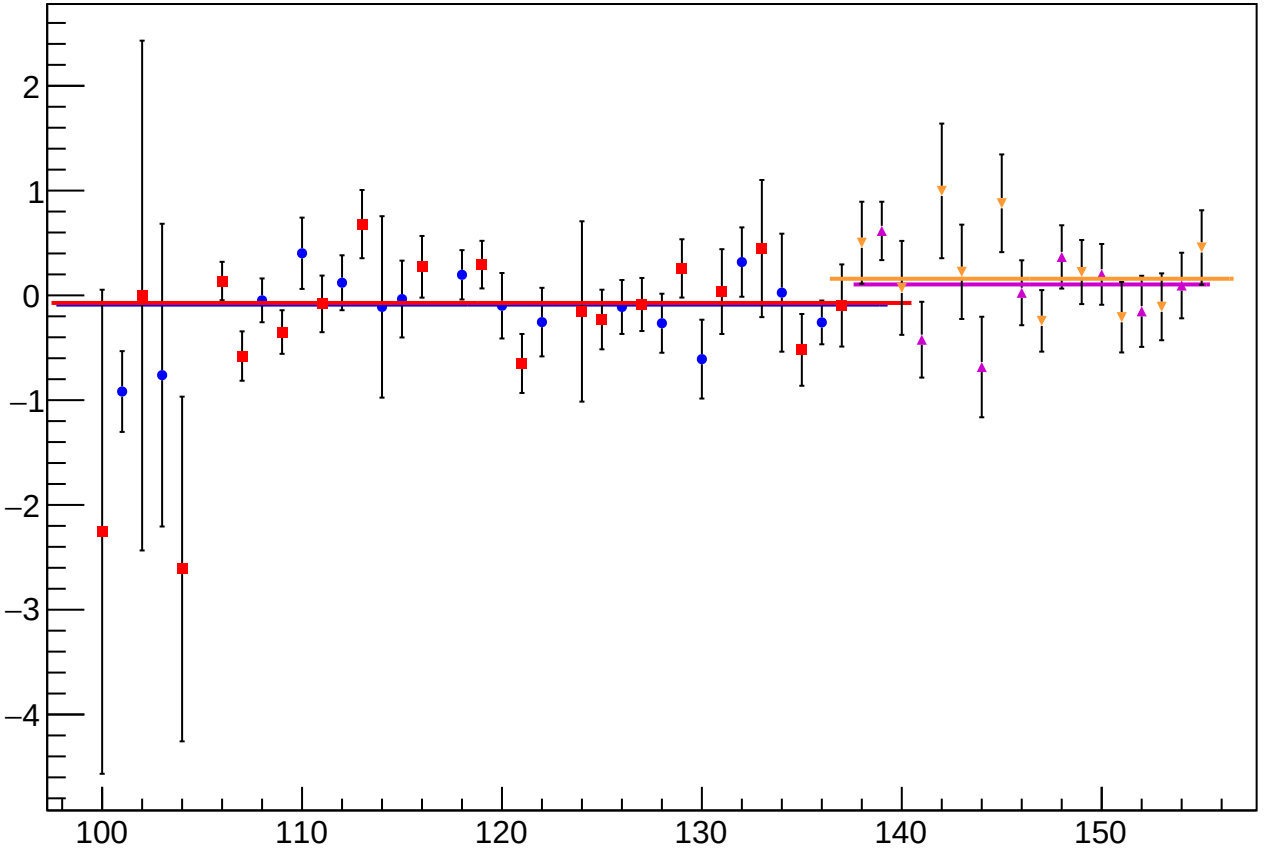
Left In: 0.005+/-0.000 χ^2/NDF:3391885.9/7

+ sign 0.006+/-0.000 χ^2/NDF: 10171179.9/25

All: 0.005+/-0.000 χ^2/NDF: 19383698.4/52

- sign 0.005+/-0.000 χ^2/NDF: 9101504.0/26

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: 0.159+/-0.118 χ^2/NDF:9.4/9

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

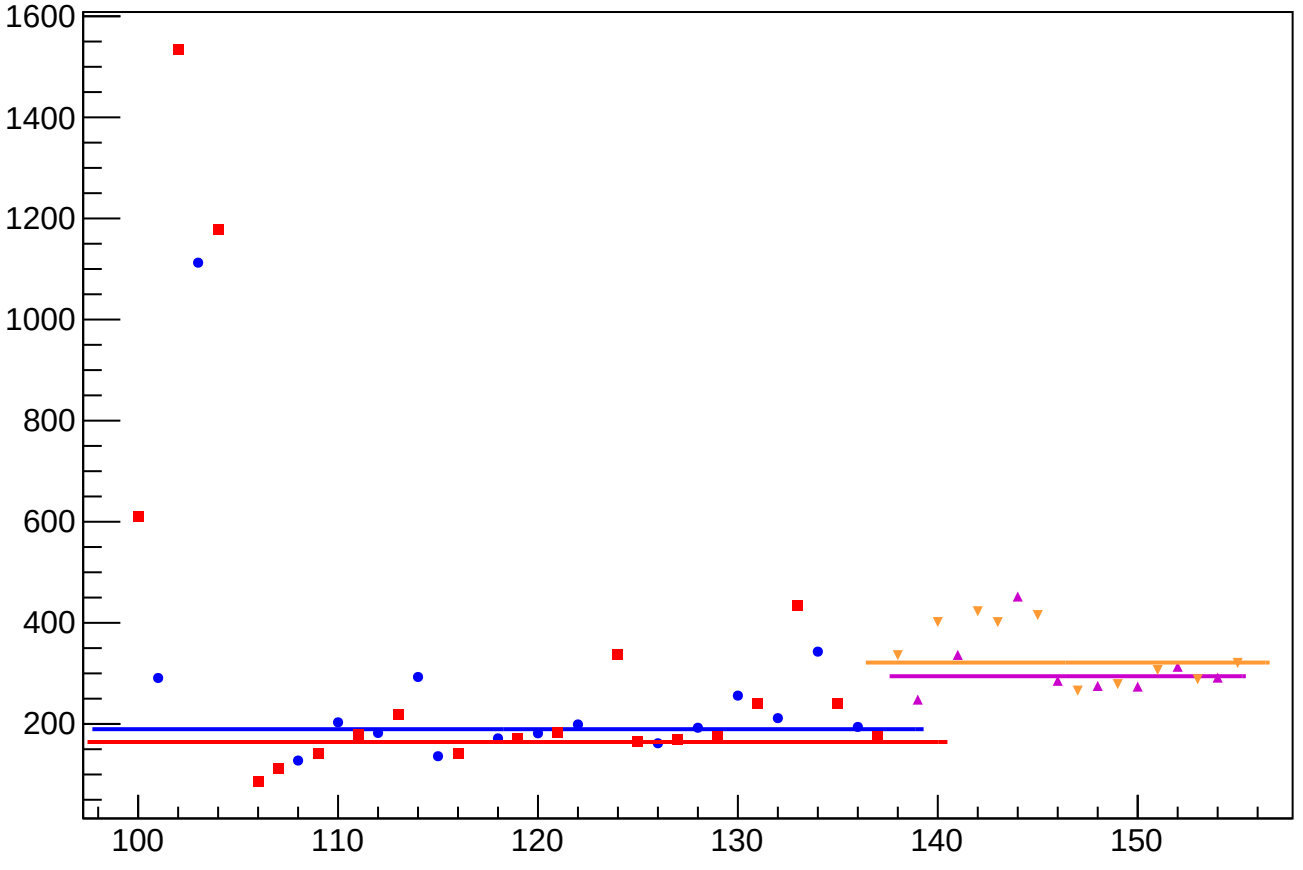
Left In: 0.104+/-0.114 χ^2/NDF:9.7/7

+ sign -0.014+/-0.064 χ^2/NDF: 26.4/25

All: -0.020+/-0.044 χ^2/NDF: 66.5/52

- sign -0.024+/-0.060 χ^2/NDF: 40.1/26

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: 321.449+/-0.083 χ^2/NDF:396900.6/9

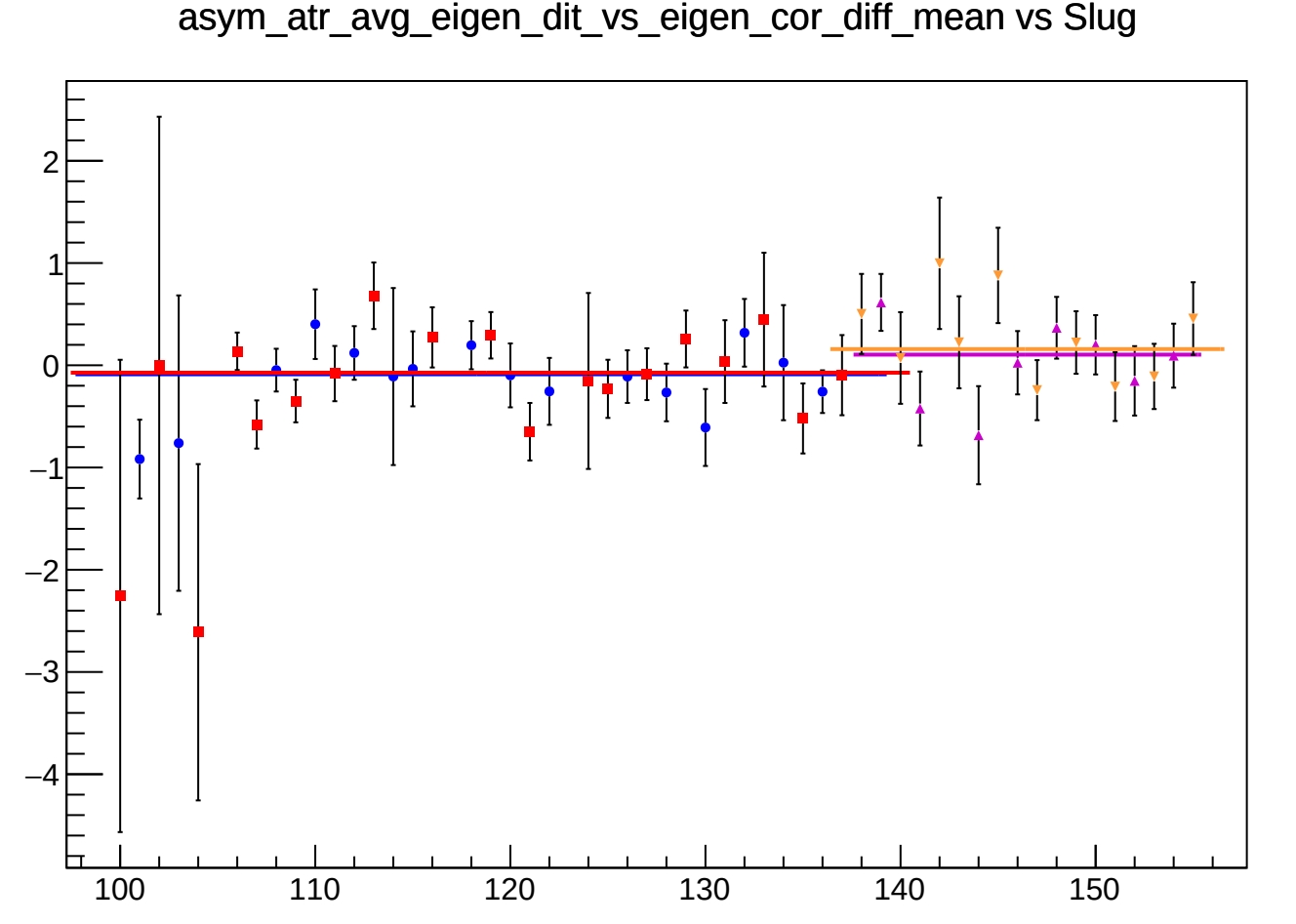
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 294.402+/-0.081 χ^2/NDF:324318.3/7

+ sign 229.027+/-0.045 χ^2/NDF: 3624929.4/25

All: 213.405+/-0.031 χ^2/NDF: 8705992.4/52

- sign 199.952+/-0.042 χ^2/NDF: 4861197.1/26



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.159+/-0.118 χ^2/NDF:9.4/9

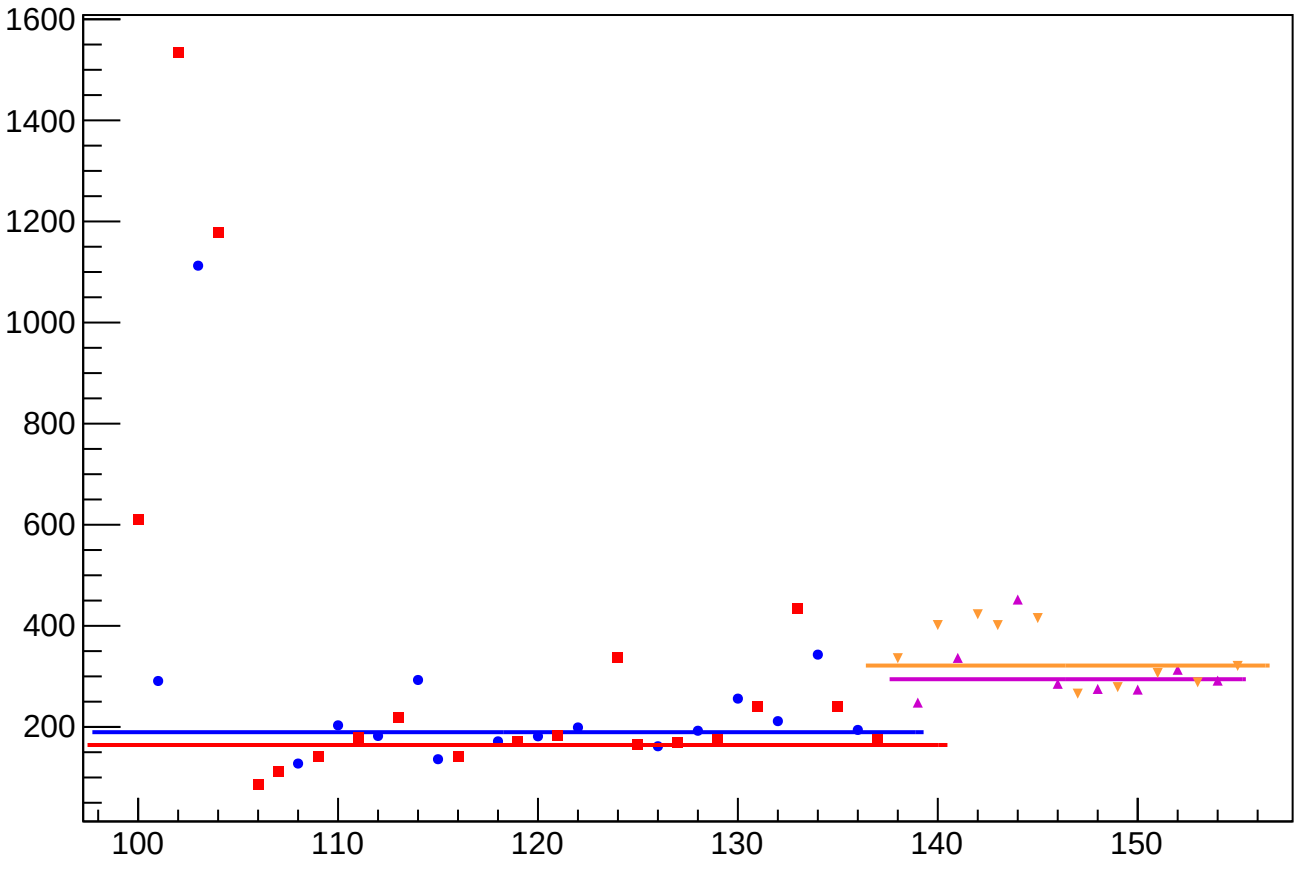
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.104+/-0.114 χ^2/NDF:9.7/7

+ sign -0.014+/-0.064 χ^2/NDF: 26.4/25

All: -0.020+/-0.044 χ^2/NDF: 66.5/52

- sign -0.024+/-0.060 χ^2/NDF: 40.1/26



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 321.449+/-0.083 χ^2/NDF:396900.6/9

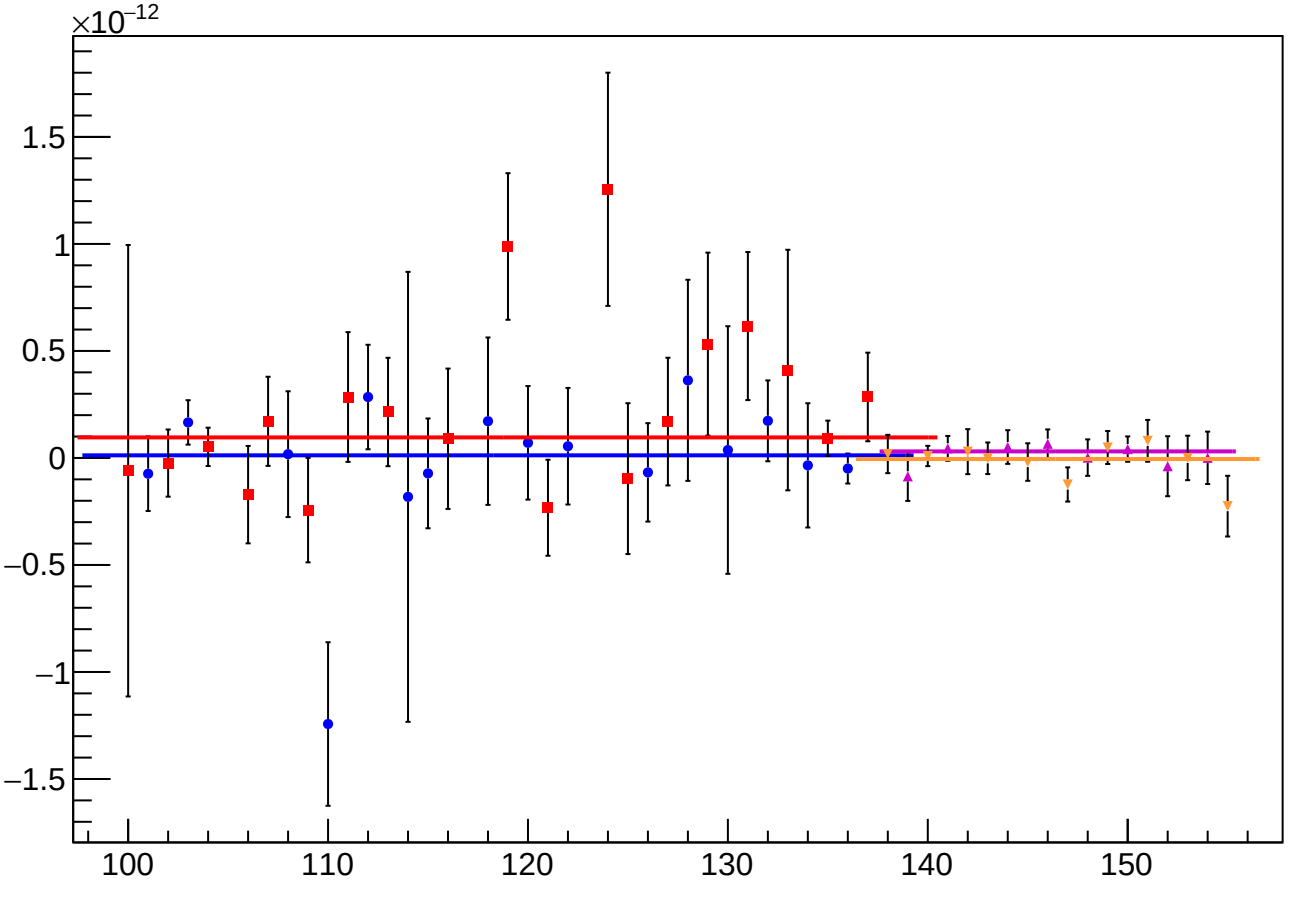
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 294.402+/-0.081 χ^2/NDF:324318.3/7

+ sign 229.027+/-0.045 χ^2/NDF: 3624929.4/25

All: 213.405+/-0.031 χ^2/NDF: 8705992.4/52

- sign 199.952+/-0.042 χ^2/NDF: 4861197.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

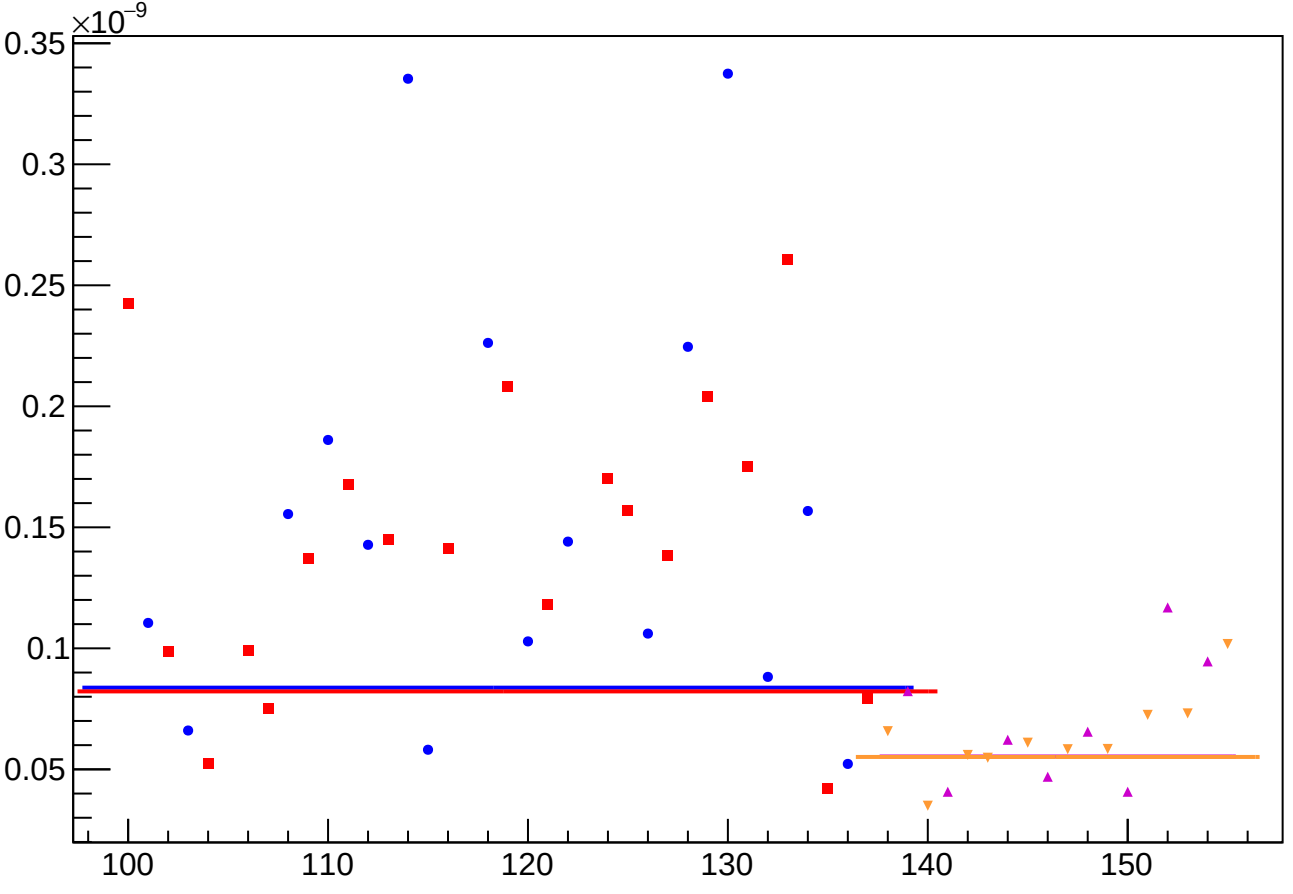
Left In: 0.000+/-0.000 χ^2/NDF:1.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.4/25

All: 0.000+/-0.000 χ^2/NDF: 52.3/52

- sign 0.000+/-0.000 χ^2/NDF: 26.6/26

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:745830.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

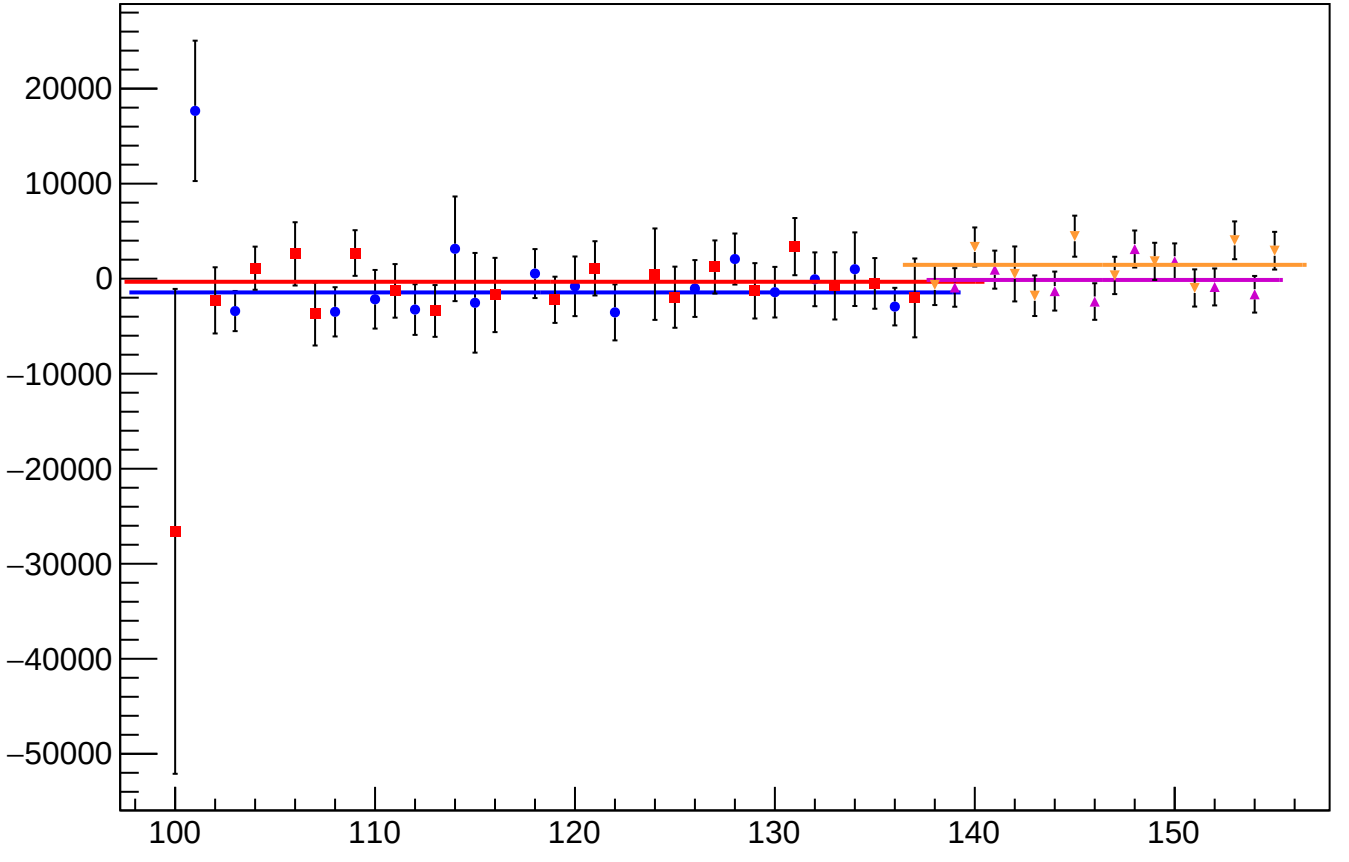
Left In: 0.000+/-0.000 χ^2/NDF:1025617.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 3456877.6/25

All: 0.000+/-0.000 χ^2/NDF: 7277456.0/52

- sign 0.000+/-0.000 χ^2/NDF: 3819144.2/26

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1454.386+/-659.189 χ^2/NDF:10.4/9

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

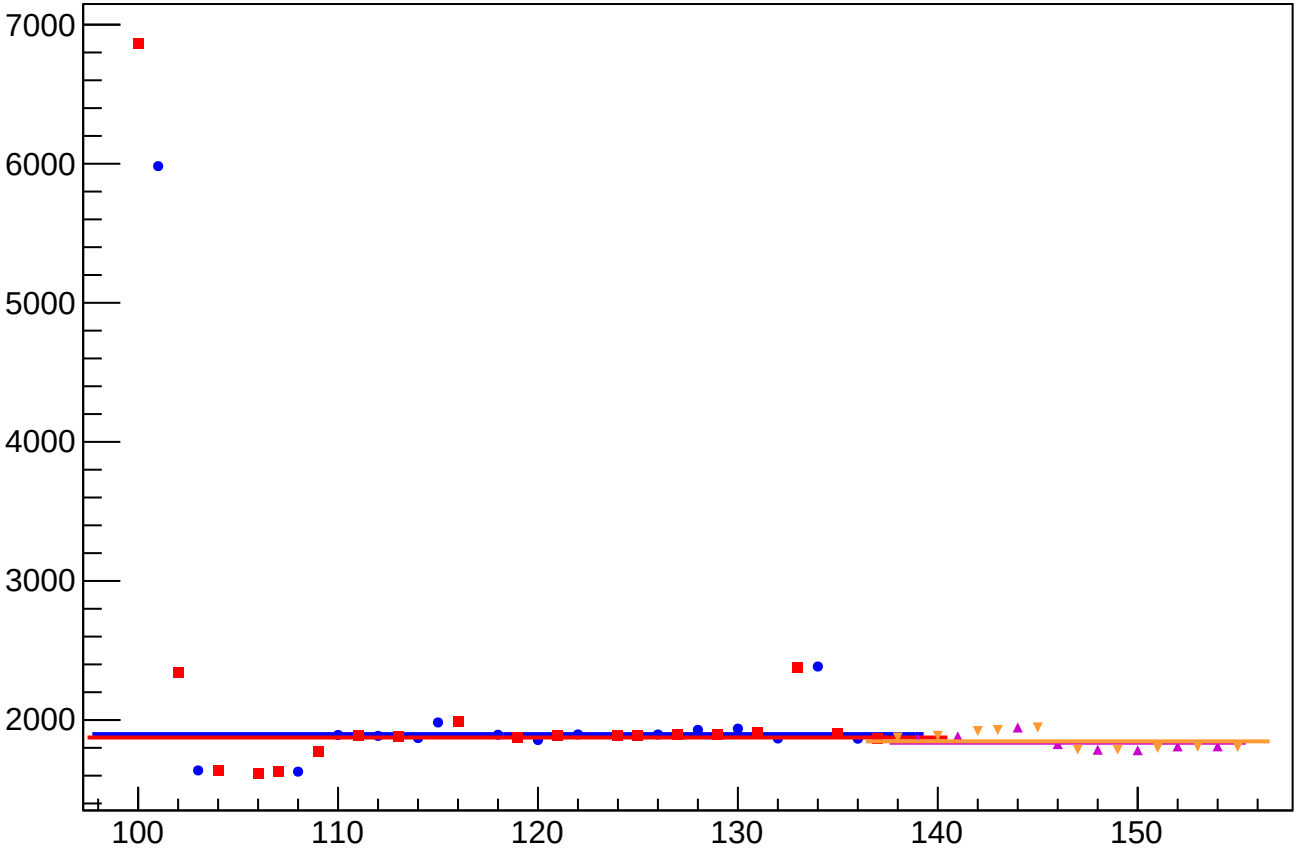
Left In: -134.353+/-693.522 χ^2/NDF:6.8/7

+ sign 137.840+/-487.160 χ^2/NDF: 32.7/25

All: -43.115+/-346.725 χ^2/NDF: 49.7/52

- sign -228.878+/-493.589 χ^2/NDF: 16.8/26

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1846.606+/-0.466 χ^2/NDF:16081.3/9

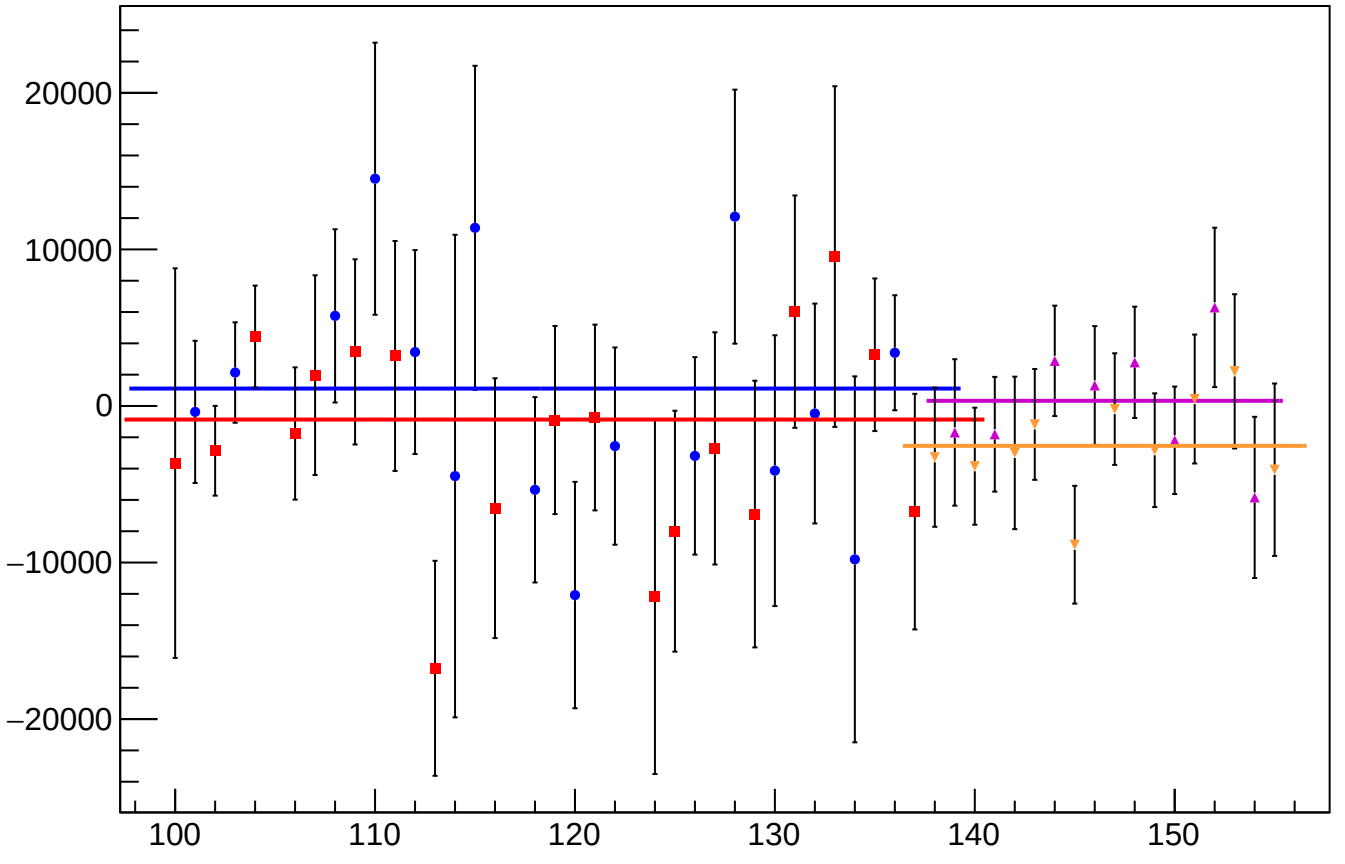
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1836.968+/-0.490 χ^2/NDF:10971.9/7

+ sign 1870.305+/-0.344 χ^2/NDF: 719291.7/25

All: 1862.952+/-0.245 χ^2/NDF: 941705.2/52

- sign 1855.429+/-0.348 χ^2/NDF: 221491.7/26



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2546.948+/-1288.305 χ^2/NDF:5.1/9

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

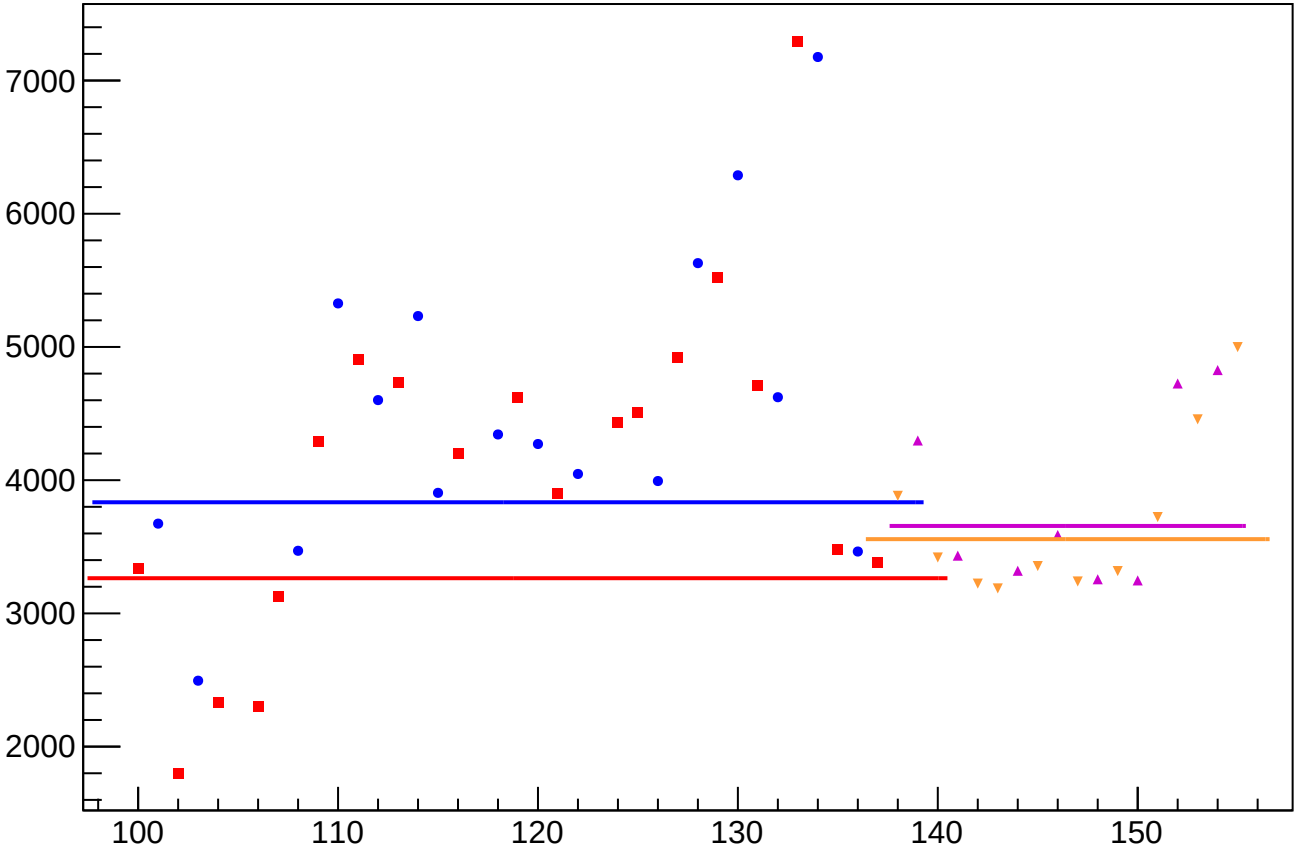
Left In: 329.387+/-1399.512 χ^2/NDF:4.9/7

+ sign -968.438+/-971.516 χ^2/NDF: 22.0/25

All: -633.446+/-681.163 χ^2/NDF: 43.2/52

- sign -309.538+/-955.308 χ^2/NDF: 21.0/26

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3557.335+/-0.911 χ^2/NDF:282029.0/9

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

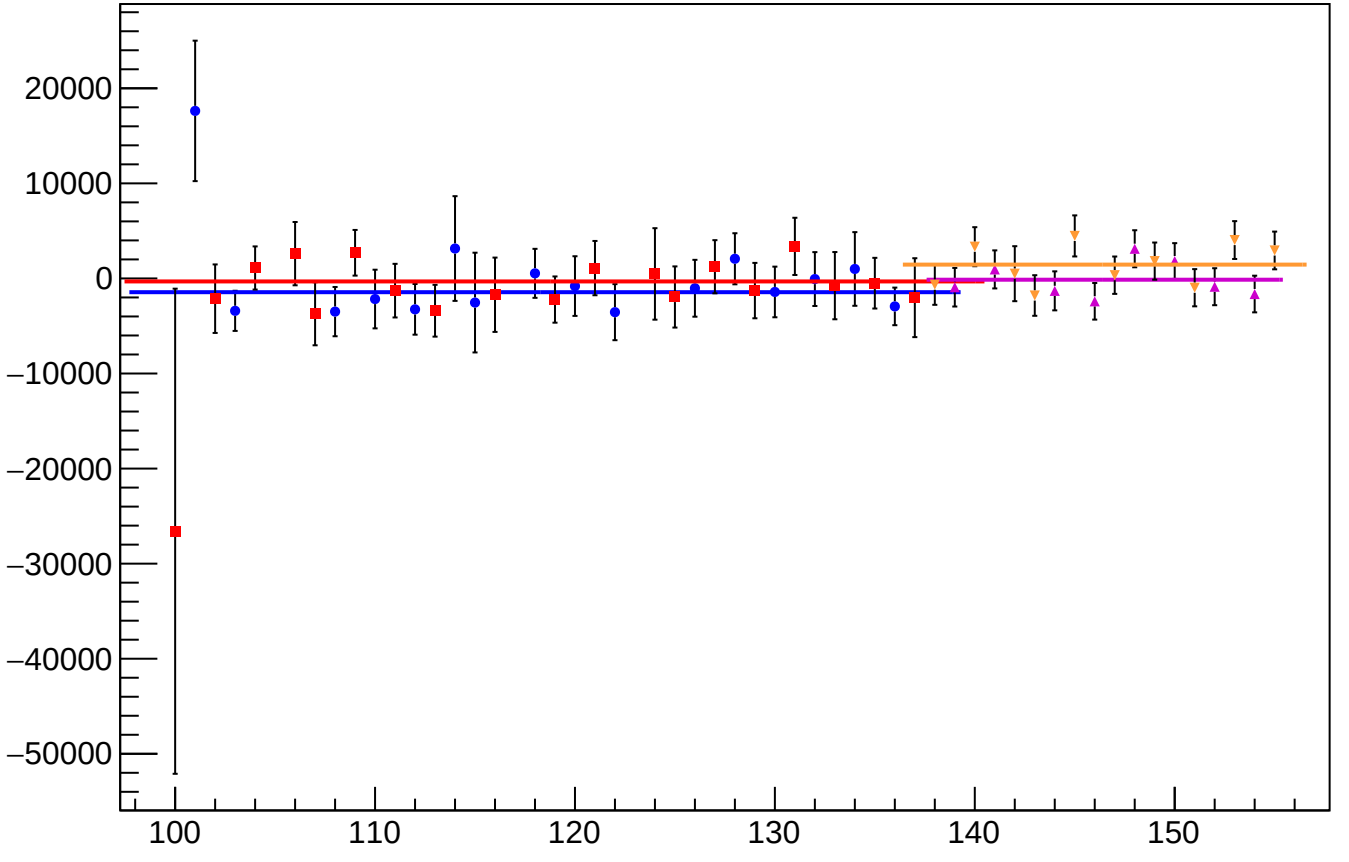
Left In: 3656.464+/-0.990 χ^2/NDF:309175.9/7

+ sign 3676.739+/-0.687 χ^2/NDF: 1278635.7/25

All: 3559.899+/-0.482 χ^2/NDF: 3592901.0/52

- sign 3446.925+/-0.676 χ^2/NDF: 2257367.1/26

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1454.436+/-659.189 χ^2/NDF:10.4/9

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

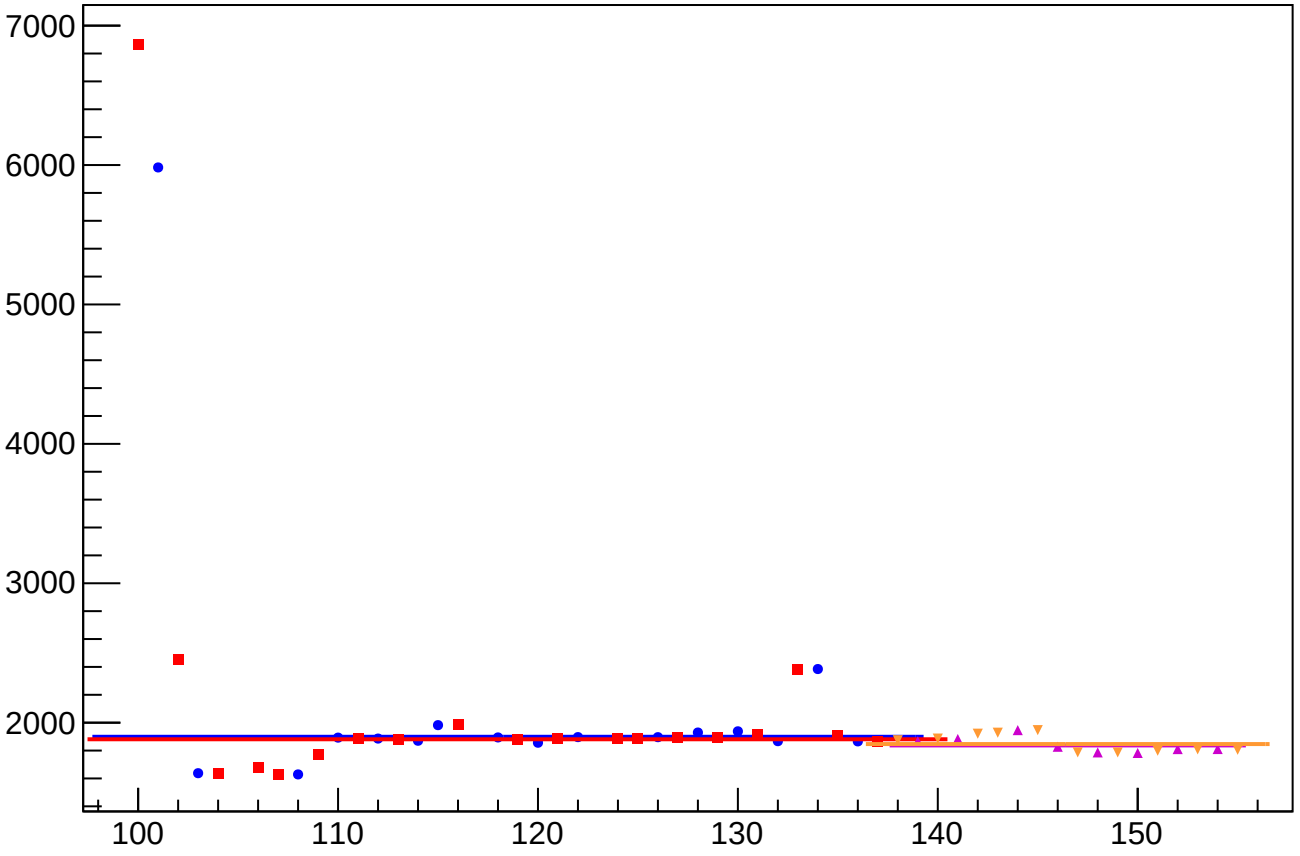
Left In: -134.382+/-693.522 χ^2/NDF:6.8/7

+ sign 137.692+/-487.160 χ^2/NDF: 32.6/25

All: -40.474+/-346.839 χ^2/NDF: 49.6/52

- sign -223.617+/-493.917 χ^2/NDF: 16.7/26

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1846.606+/-0.466 χ^2/NDF:16081.3/9

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

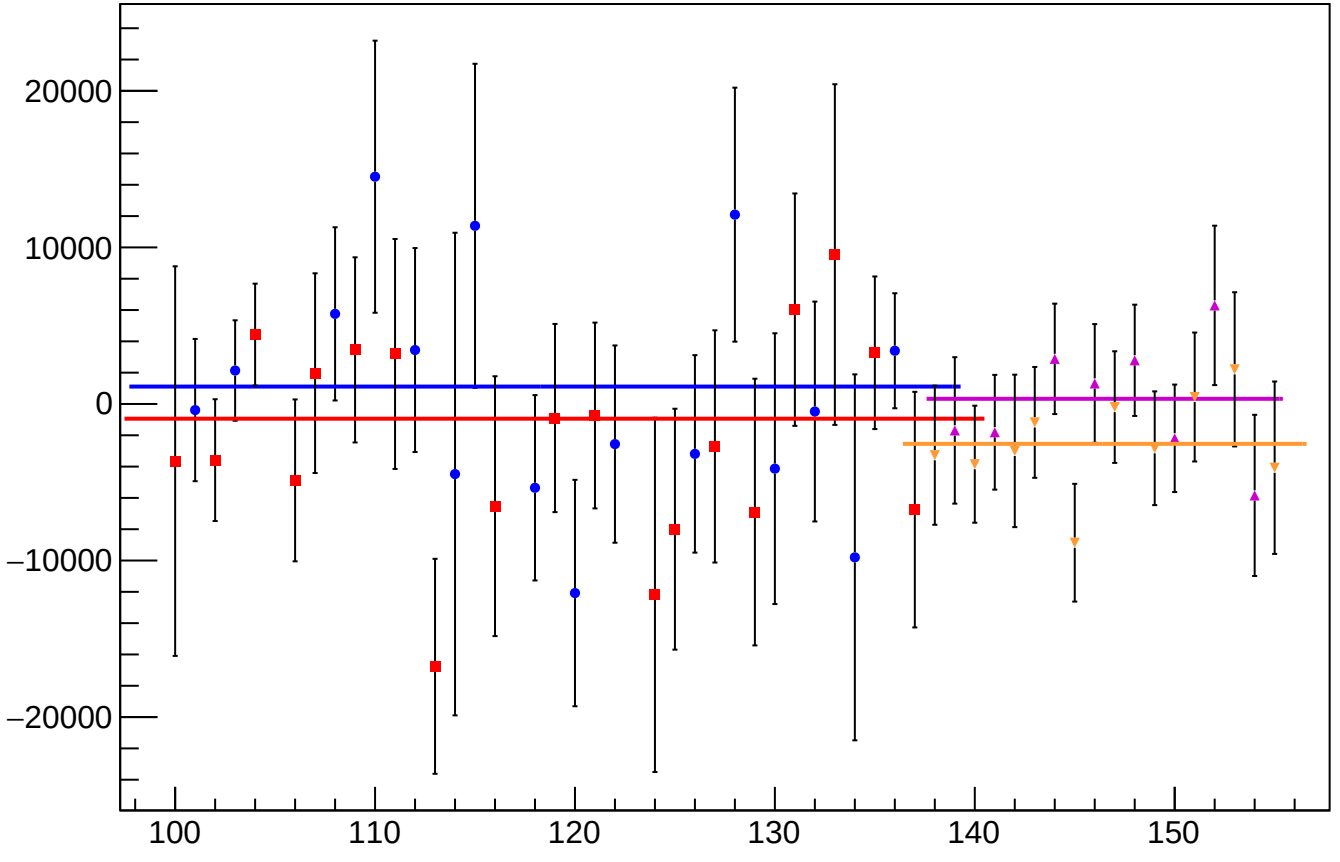
Left In: 1836.968+/-0.490 χ^2/NDF:10971.9/7

+ sign 1870.305+/-0.344 χ^2/NDF: 719291.8/25

All: 1864.580+/-0.245 χ^2/NDF: 951368.1/52

- sign 1858.704+/-0.349 χ^2/NDF: 231516.6/26

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2546.911+/-1288.305 χ^2/NDF:5.1/9

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

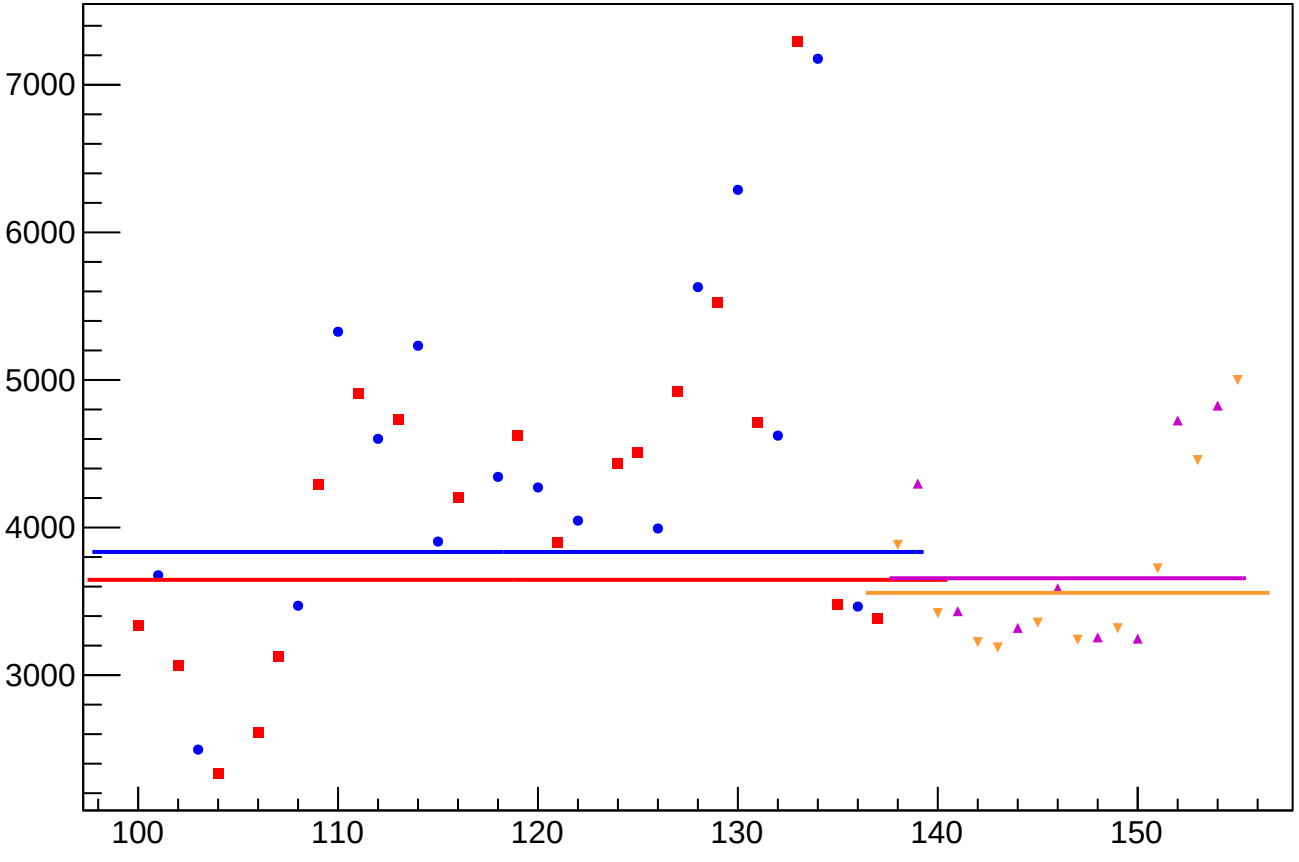
Left In: 329.520+/-1399.509 χ^2/NDF:4.9/7

+ sign -969.132+/-971.565 χ^2/NDF: 22.0/25

All: -643.520+/-693.226 χ^2/NDF: 43.7/52

- sign -305.831+/-989.420 χ^2/NDF: 21.5/26

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3557.334+/-0.911 χ^2/NDF:282037.4/9

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

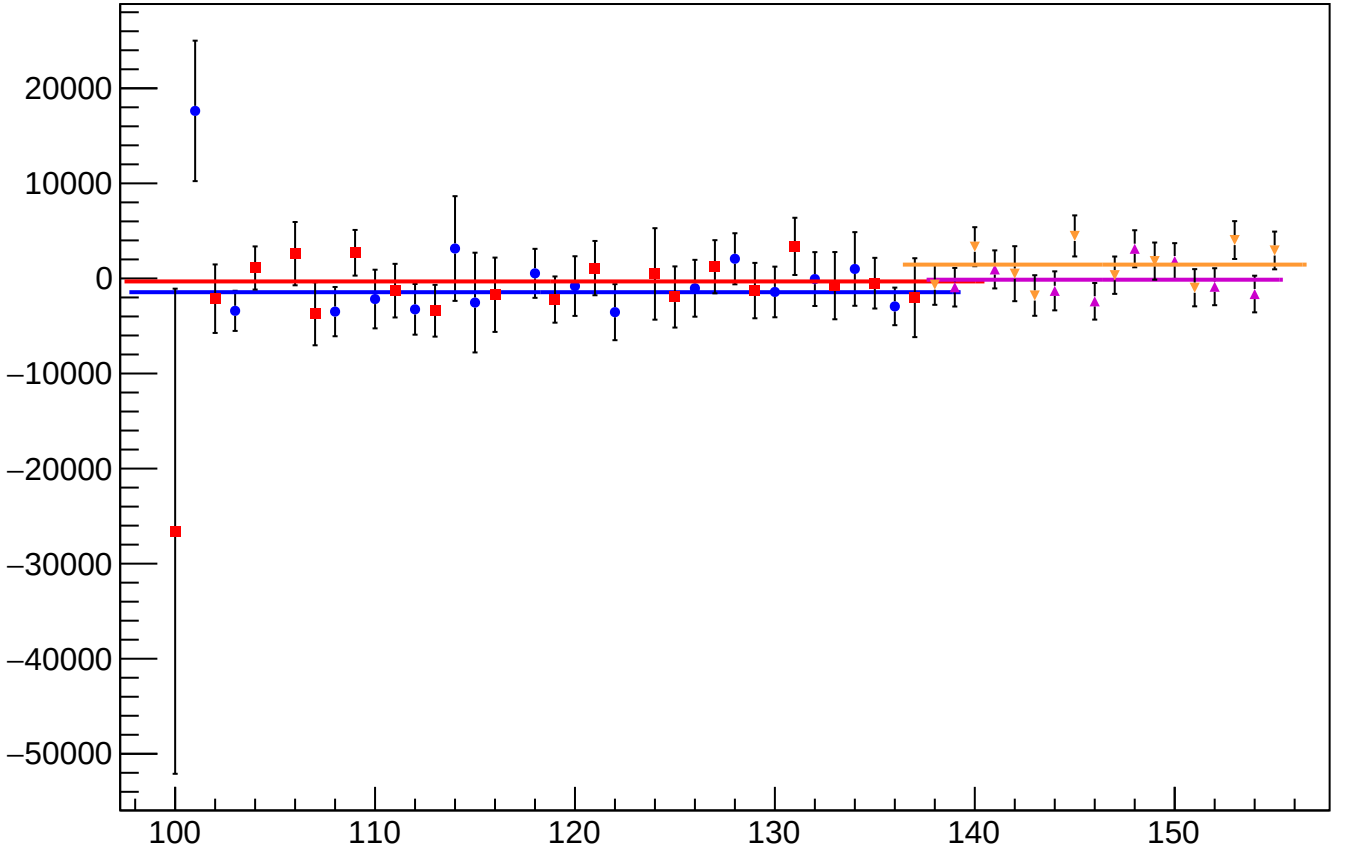
Left In: 3656.455+/-0.990 χ^2/NDF:309182.2/7

+ sign 3676.950+/-0.687 χ^2/NDF: 1278327.1/25

All: 3664.245+/-0.490 χ^2/NDF: 2713246.4/52

- sign 3651.070+/-0.700 χ^2/NDF: 1434222.7/26

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1454.436+/-659.189 χ^2/NDF:10.4/9

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

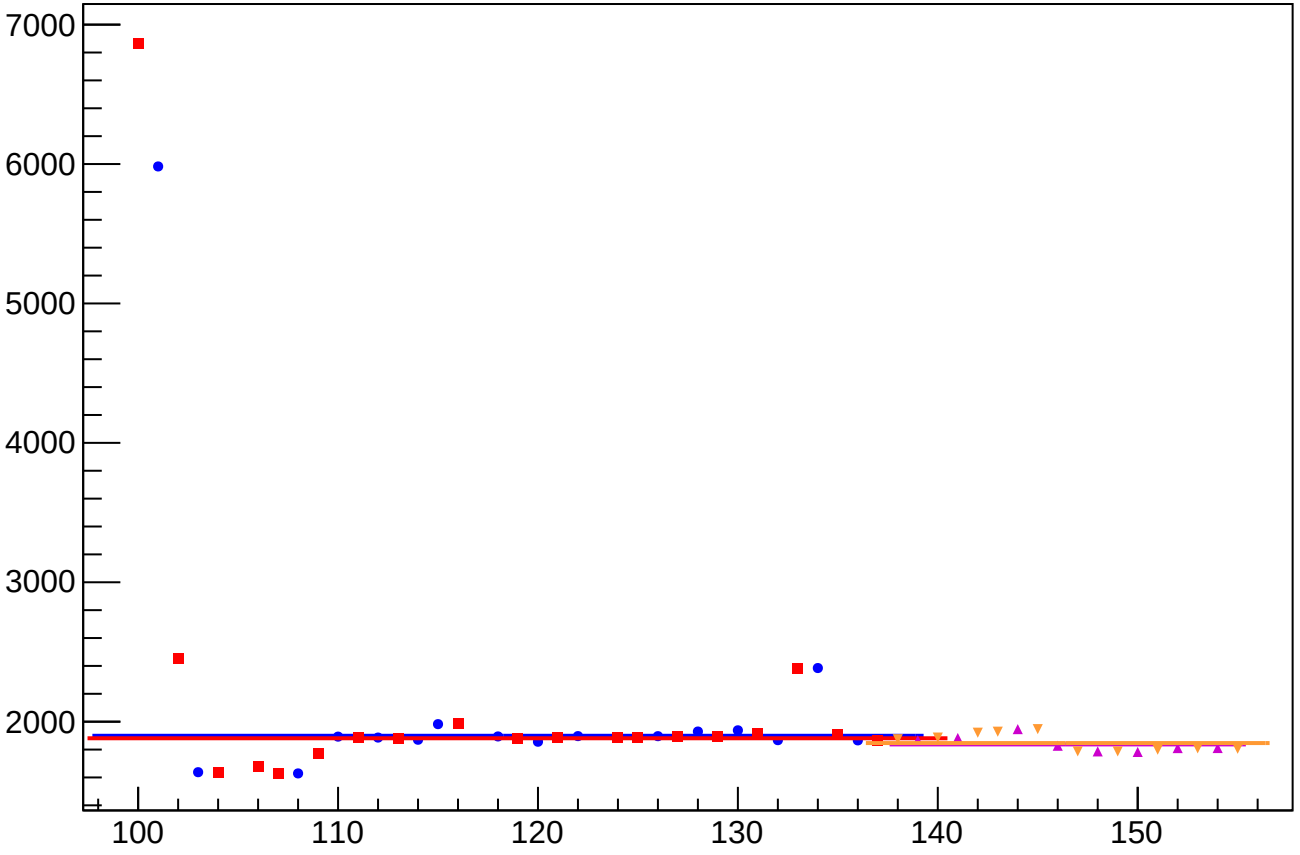
Left In: -134.382+/-693.522 χ^2/NDF:6.8/7

+ sign 137.692+/-487.160 χ^2/NDF: 32.6/25

All: -40.474+/-346.839 χ^2/NDF: 49.6/52

- sign -223.617+/-493.917 χ^2/NDF: 16.7/26

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1846.606+/-0.466 χ^2/NDF:16081.3/9

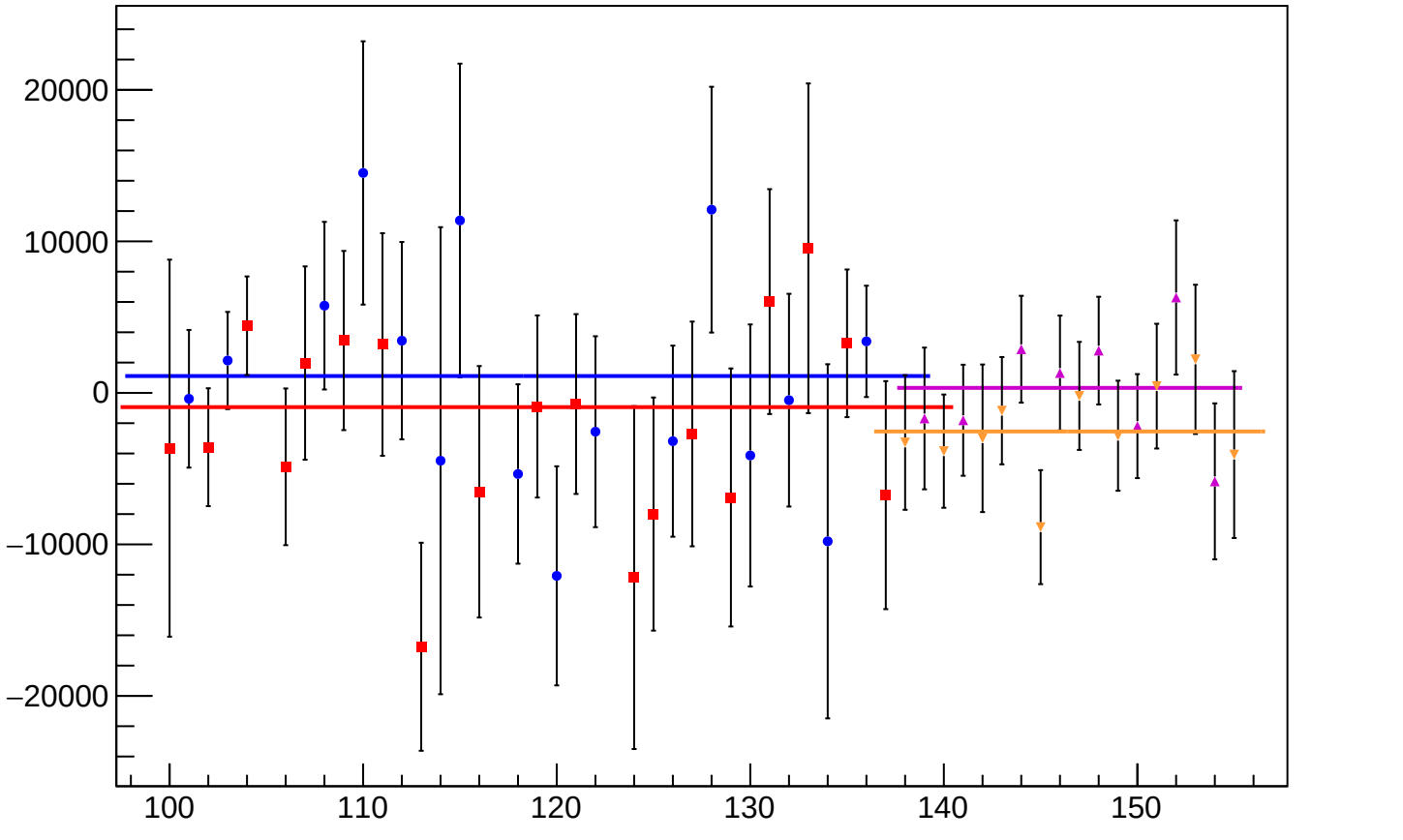
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1836.968+/-0.490 χ^2/NDF:10971.9/7

+ sign 1870.305+/-0.344 χ^2/NDF: 719291.8/25

All: 1864.580+/-0.245 χ^2/NDF: 951368.1/52

- sign 1858.704+/-0.349 χ^2/NDF: 231516.6/26



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2546.911+/-1288.305 χ^2/NDF:5.1/9

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

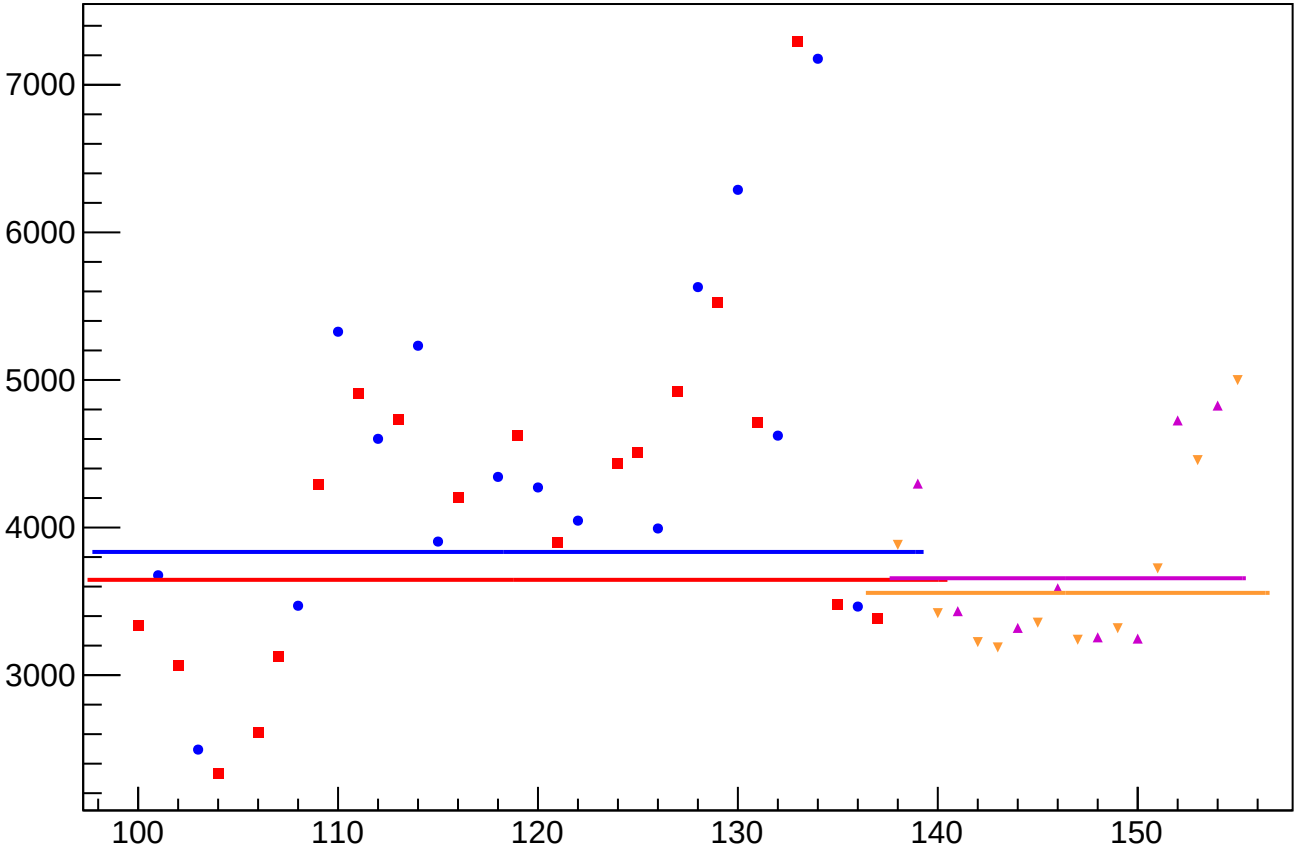
Left In: 329.520+/-1399.509 χ^2/NDF:4.9/7

+ sign -969.132+/-971.565 χ^2/NDF: 22.0/25

All: -643.520+/-693.226 χ^2/NDF: 43.7/52

- sign -305.831+/-989.420 χ^2/NDF: 21.5/26

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3557.334+/-0.911 χ^2/NDF:282037.4/9

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

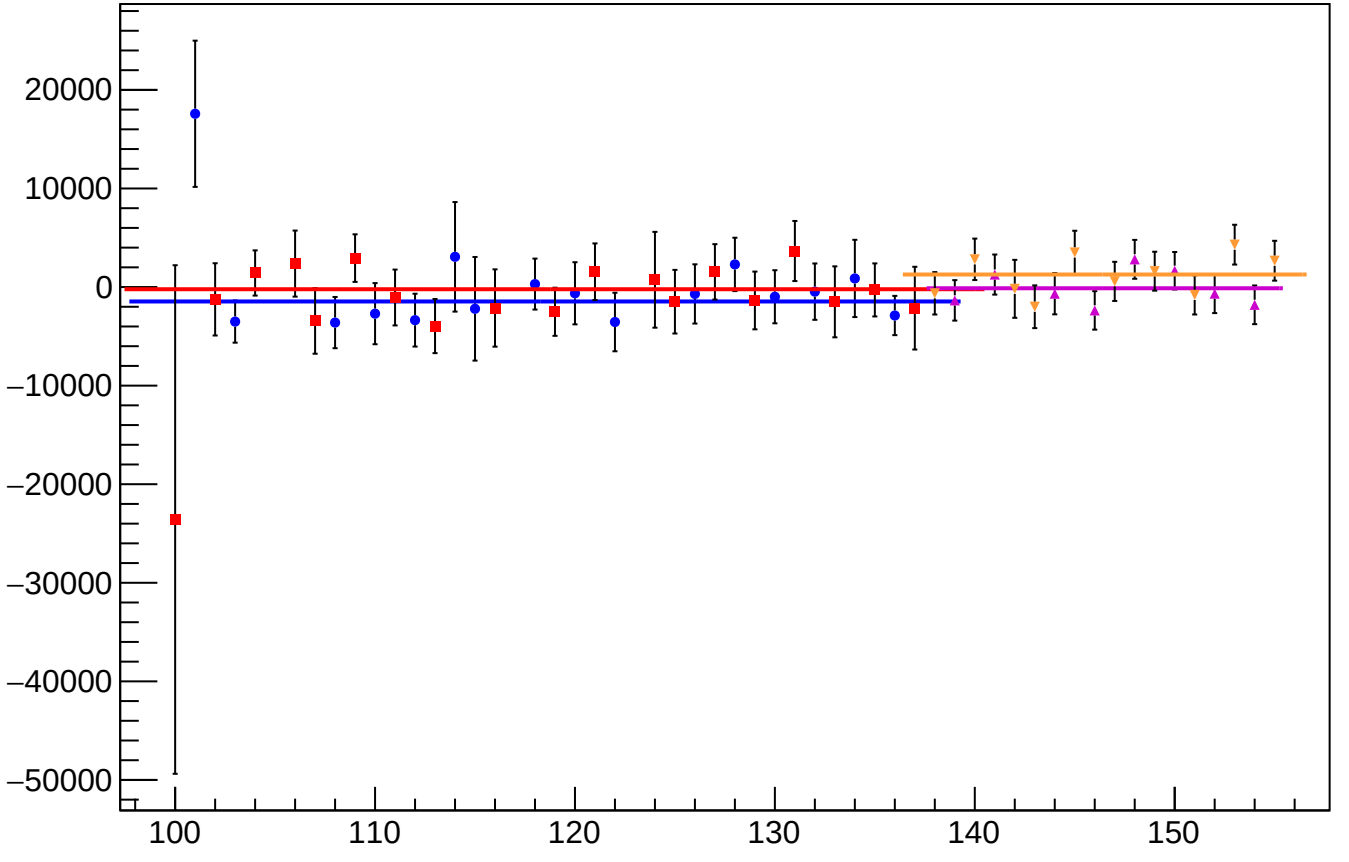
Left In: 3656.455+/-0.990 χ^2/NDF:309182.2/7

+ sign 3676.950+/-0.687 χ^2/NDF: 1278327.1/25

All: 3664.245+/-0.490 χ^2/NDF: 2713246.4/52

- sign 3651.070+/-0.700 χ^2/NDF: 1434222.7/26

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1272.827+/-669.566 χ^2/NDF:8.8/9

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

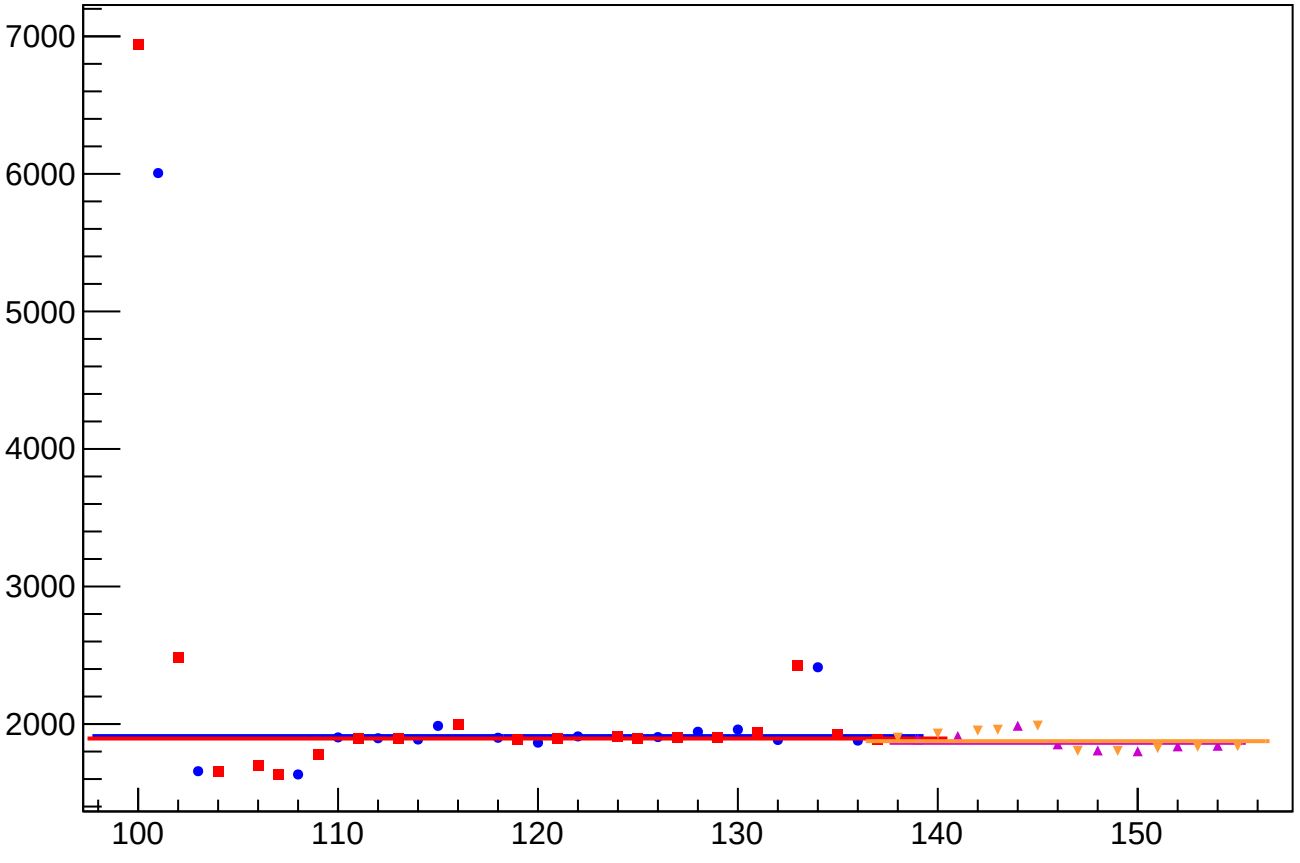
Left In: -122.782+/-703.660 χ^2/NDF:6.1/7

+ sign 19.777+/-492.905 χ^2/NDF: 30.0/25

All: -74.314+/-350.806 χ^2/NDF: 47.0/52

- sign -170.898+/-499.388 χ^2/NDF: 16.9/26

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1875.462+/-0.473 χ^2/NDF:18920.1/9

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

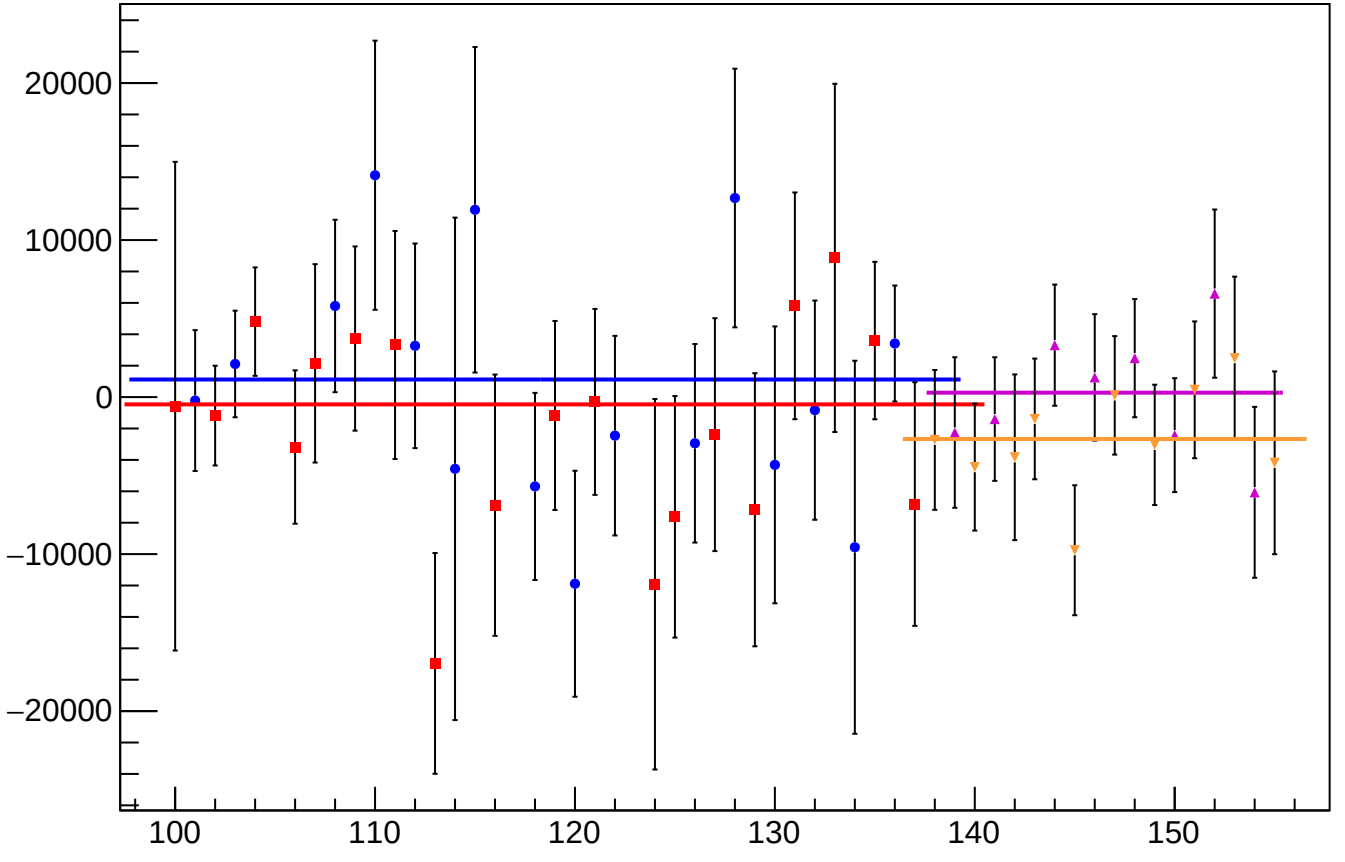
Left In: 1863.678+/-0.498 χ^2/NDF:12790.5/7

+ sign 1892.373+/-0.349 χ^2/NDF: 717925.3/25

All: 1885.831+/-0.248 χ^2/NDF: 953150.1/52

- sign 1879.124+/-0.353 χ^2/NDF: 234511.4/26

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2669.672+/-1371.912 χ^2/NDF:5.4/9

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

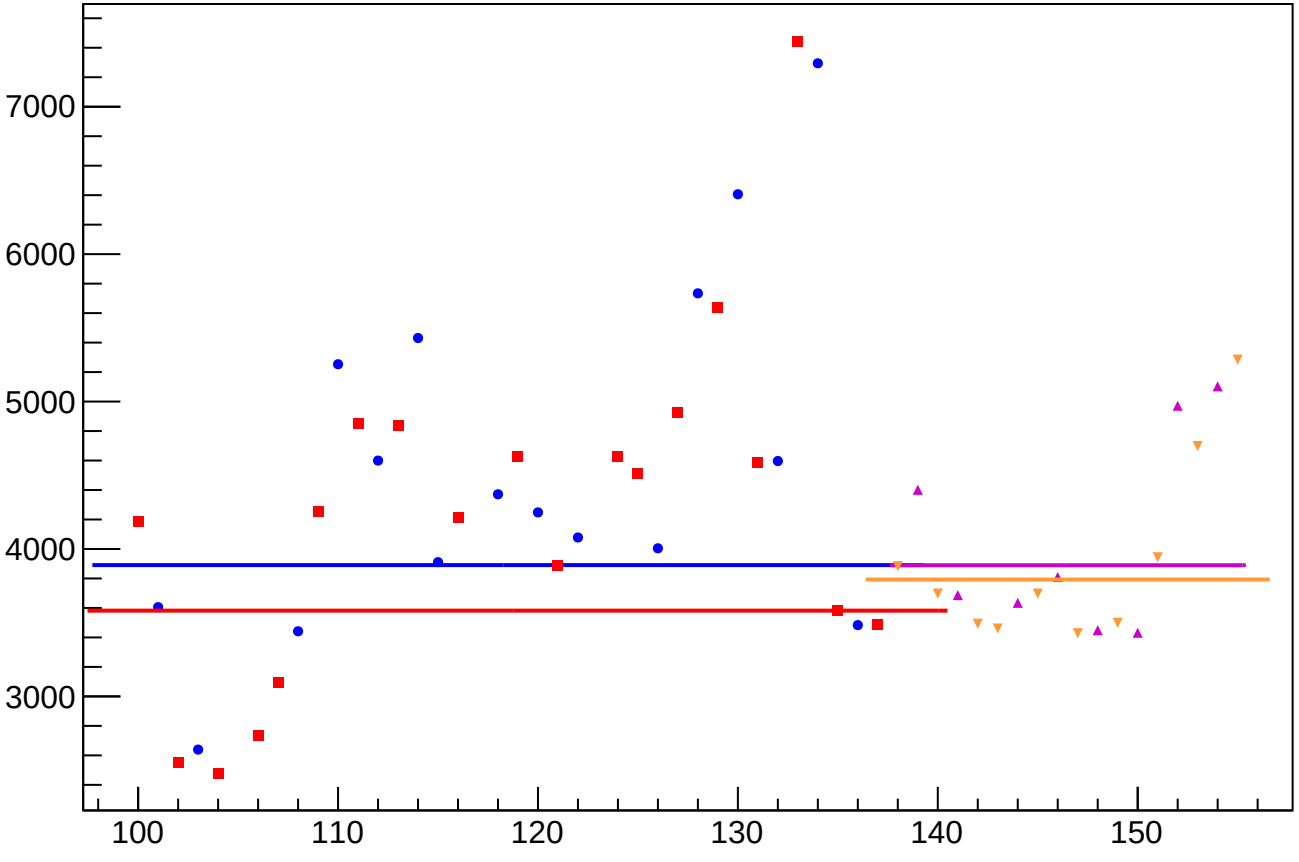
Left In: 281.069+/-1487.280 χ^2/NDF:4.8/7

+ sign -940.520+/-1011.631 χ^2/NDF: 22.3/25

All: -529.766+/-714.035 χ^2/NDF: 42.6/52

- sign -121.974+/-1007.976 χ^2/NDF: 19.9/26

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3792.557+/-0.970 χ^2/NDF:249257.6/9

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

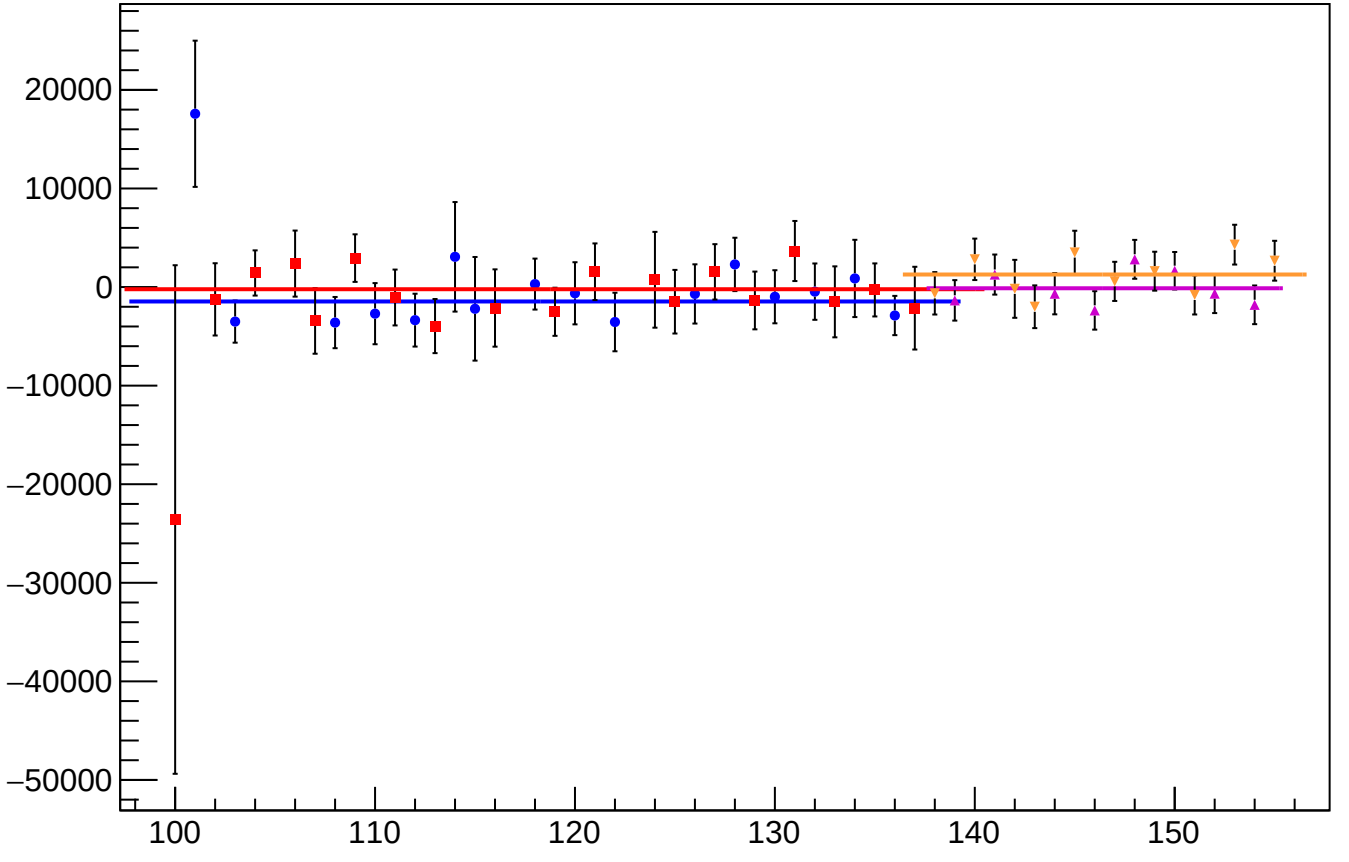
Left In: 3889.741+/-1.052 χ^2/NDF:277863.3/7

+ sign 3837.339+/-0.715 χ^2/NDF: 1132346.5/25

All: 3780.079+/-0.505 χ^2/NDF: 2691197.2/52

- sign 3723.233+/-0.713 χ^2/NDF: 1546082.1/26

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1272.831+/-669.567 χ^2/NDF:8.8/9

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

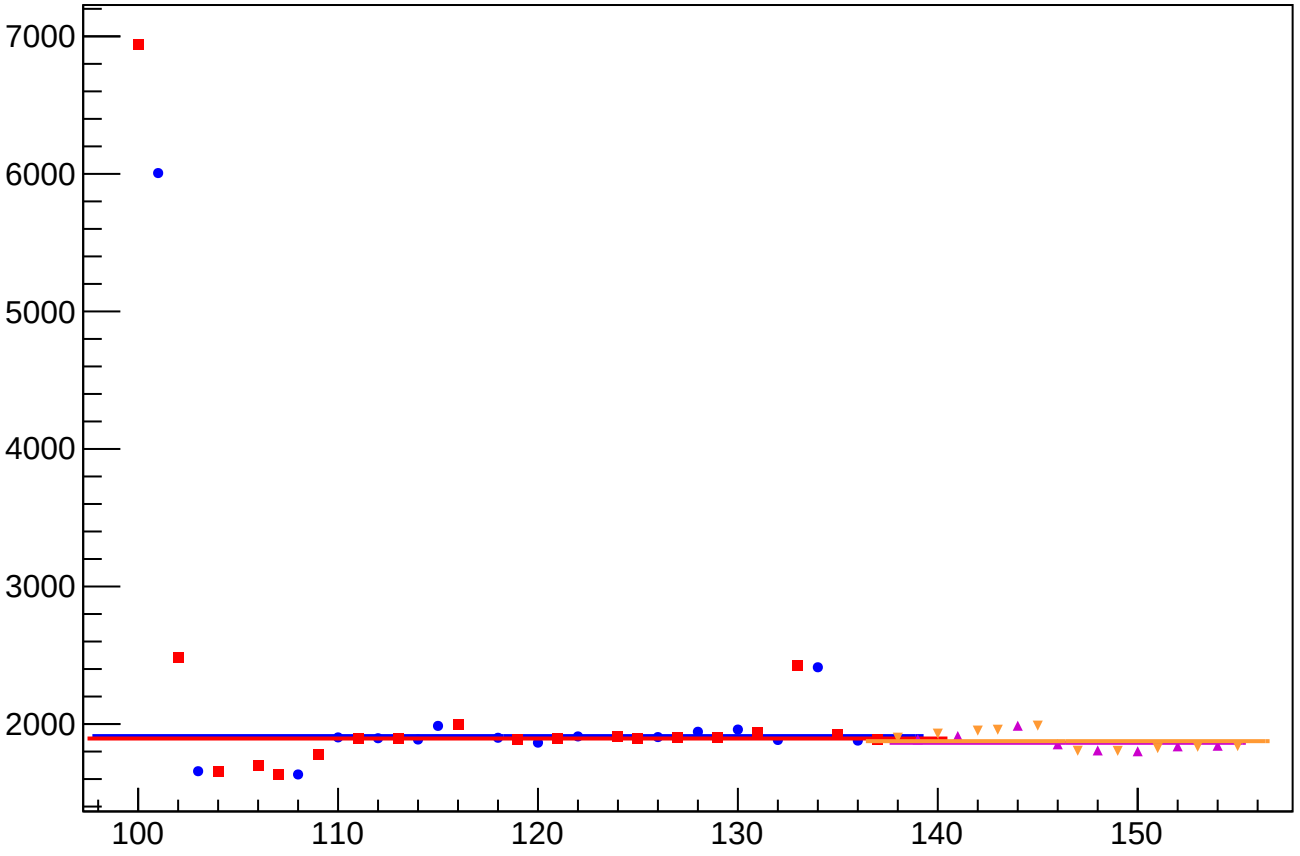
Left In: -122.786+/-703.660 χ^2/NDF:6.1/7

+ sign 19.777+/-492.905 χ^2/NDF: 30.0/25

All: -74.314+/-350.806 χ^2/NDF: 47.0/52

- sign -170.897+/-499.388 χ^2/NDF: 16.9/26

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1875.463+/-0.473 χ^2/NDF:18920.2/9

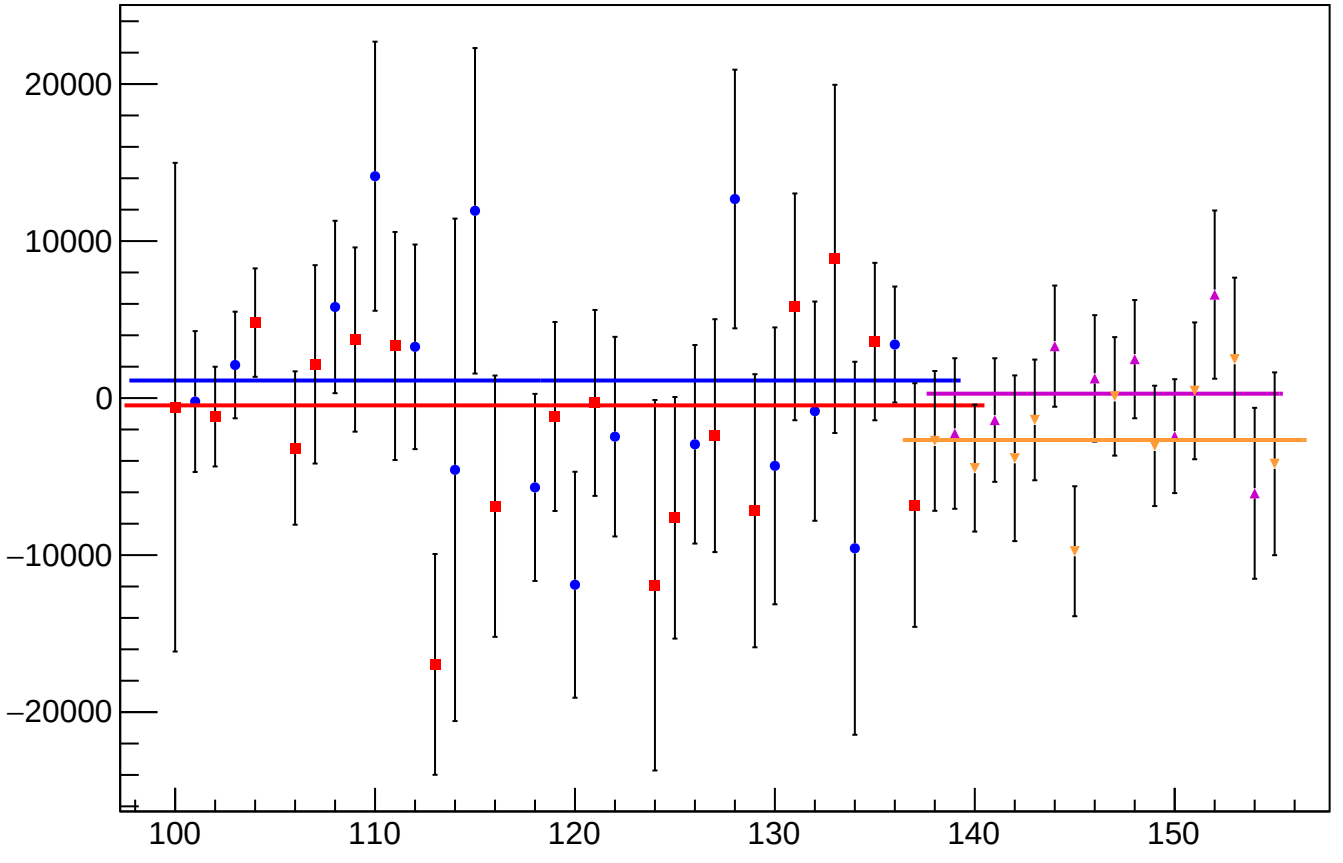
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1863.679+/-0.498 χ^2/NDF:12790.4/7

+ sign 1892.373+/-0.349 χ^2/NDF: 717925.2/25

All: 1885.832+/-0.248 χ^2/NDF: 953149.9/52

- sign 1879.124+/-0.353 χ^2/NDF: 234511.3/26



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2669.671+/-1371.914 χ^2/NDF:5.4/9

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

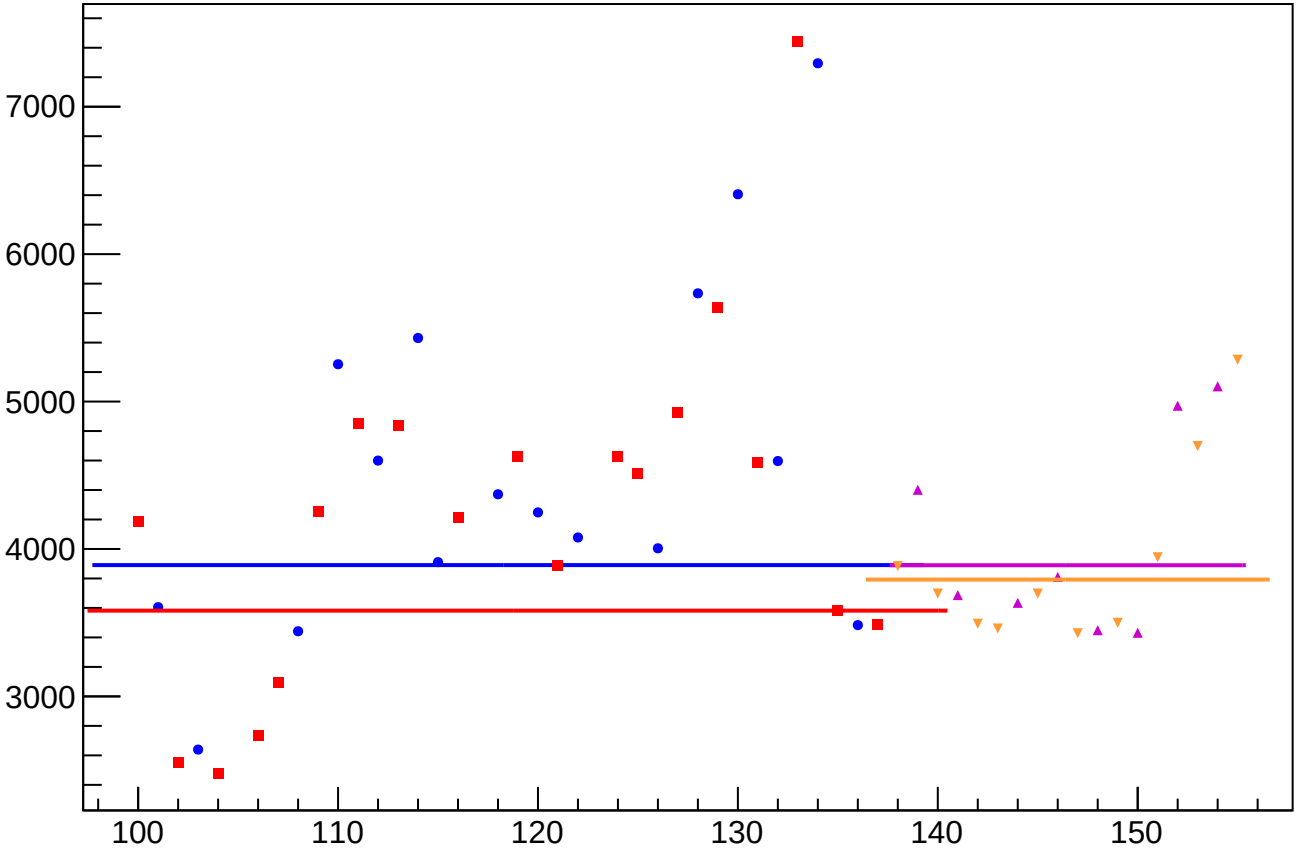
Left In: 281.066+/-1487.281 χ^2/NDF:4.8/7

\+ sign -940.521+/-1011.631 χ^2/NDF: 22.3/25

All: -529.767+/-714.035 χ^2/NDF: 42.6/52

\- sign -121.976+/-1007.976 χ^2/NDF: 19.9/26

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3792.562+/-0.970 χ^2/NDF:249256.7/9

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

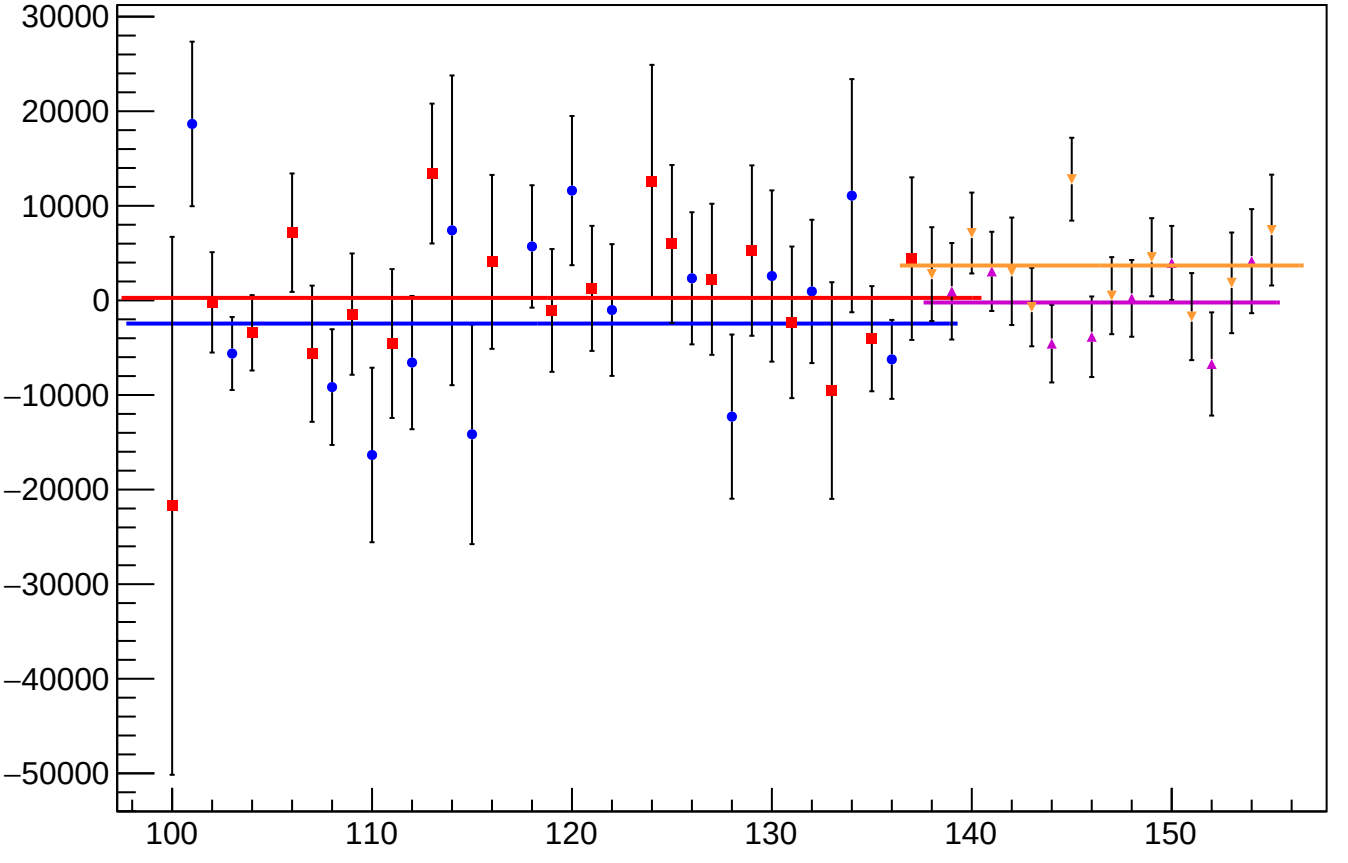
Left In: 3889.746+/-1.052 χ^2/NDF:277862.4/7

+ sign 3837.341+/-0.715 χ^2/NDF: 1132335.9/25

All: 3780.080+/-0.505 χ^2/NDF: 2691179.7/52

- sign 3723.233+/-0.713 χ^2/NDF: 1546074.9/26

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3691.105+/-1462.863 χ^2/NDF:8.7/9

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

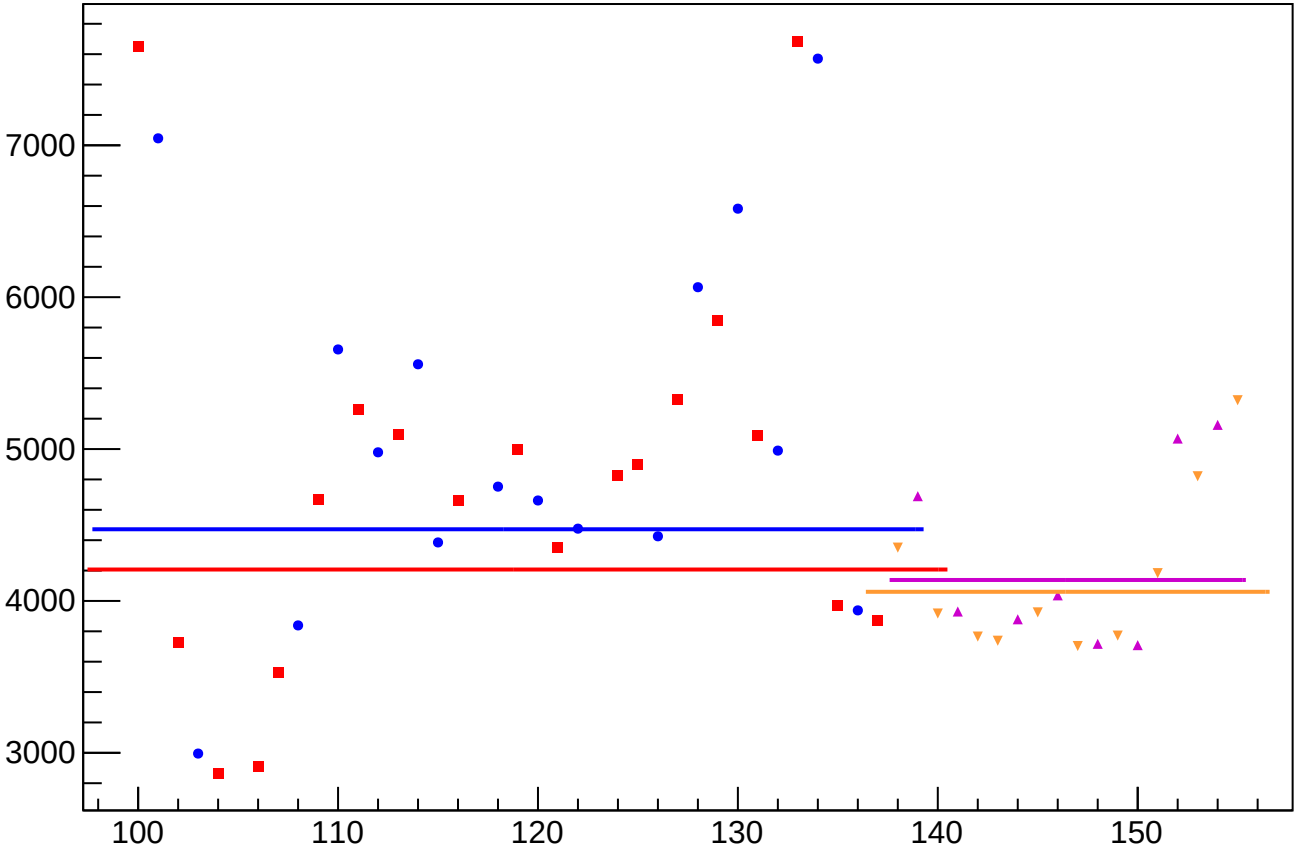
Left In: -219.970+/-1576.340 χ^2/NDF:5.7/7

+ sign 1113.659+/-1114.254 χ^2/NDF: 37.0/25

All: 572.807+/-793.624 χ^2/NDF: 53.9/52

- sign 15.938+/-1130.633 χ^2/NDF: 16.5/26

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4060.213+/-1.034 χ^2/NDF:188601.7/9

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

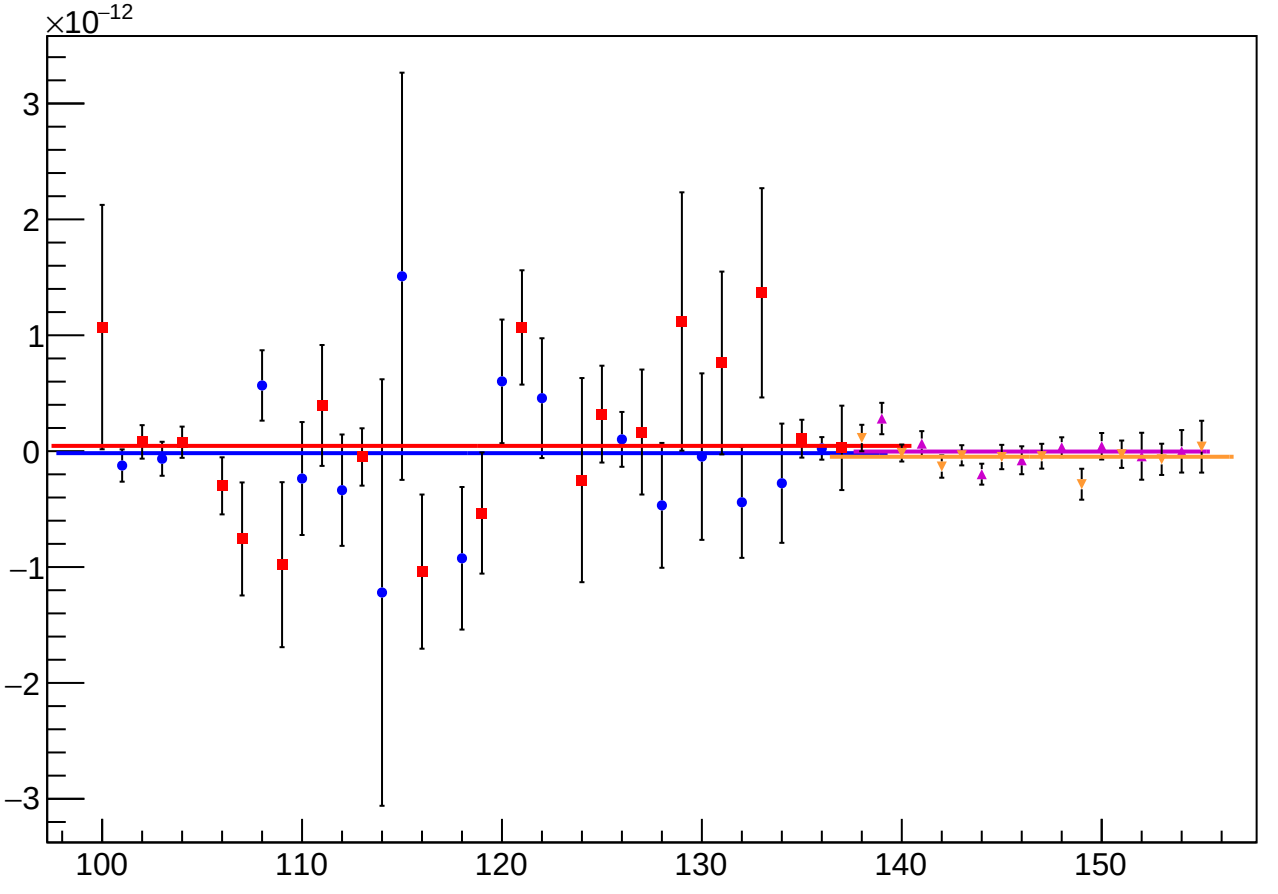
Left In: 4138.029+/-1.115 χ^2/NDF:210000.9/7

+ sign 4233.050+/-0.788 χ^2/NDF: 1146781.7/25

All: 4202.727+/-0.560 χ^2/NDF: 2208171.6/52

- sign 4171.755+/-0.796 χ^2/NDF: 1058395.8/26

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

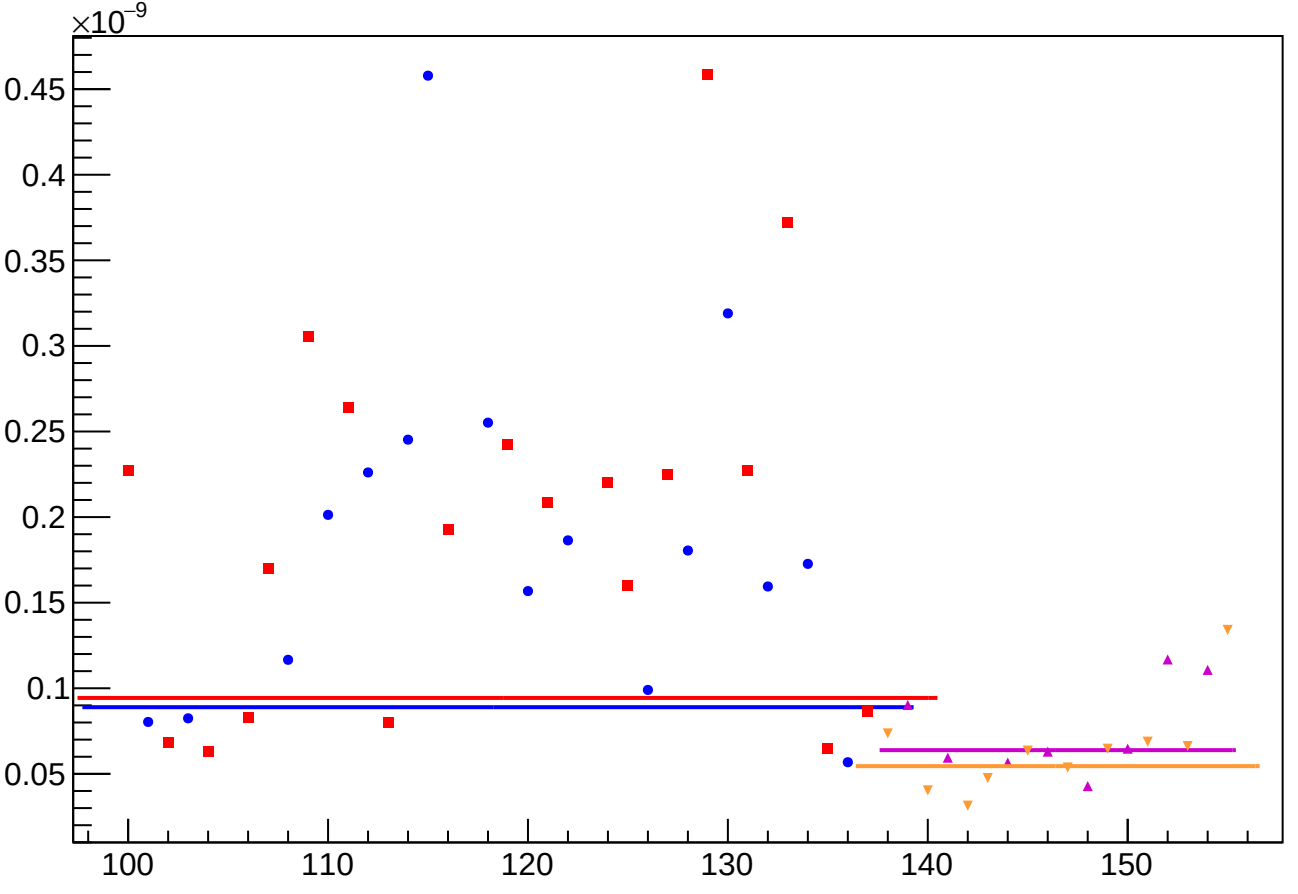
Left In: -0.000+/-0.000 χ^2/NDF:10.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 19.3/25

All: -0.000+/-0.000 χ^2/NDF: 52.4/52

- sign 0.000+/-0.000 χ^2/NDF: 31.9/26

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:583195.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

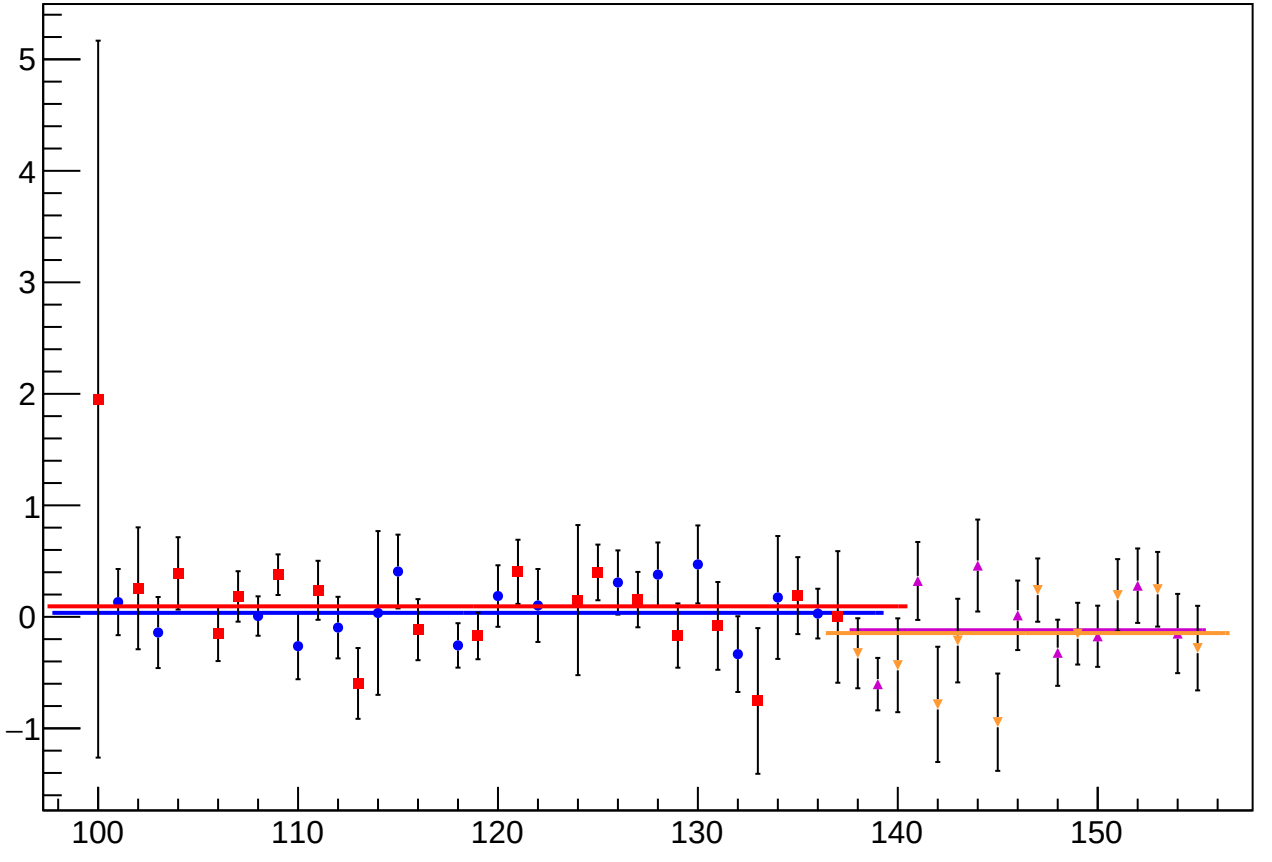
Left In: 0.000+/-0.000 χ^2/NDF:480259.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 2296800.7/25

All: 0.000+/-0.000 χ^2/NDF: 4852967.7/52

- sign 0.000+/-0.000 χ^2/NDF: 2470404.4/26

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.145+/-0.110 χ^2/NDF:10.2/9

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

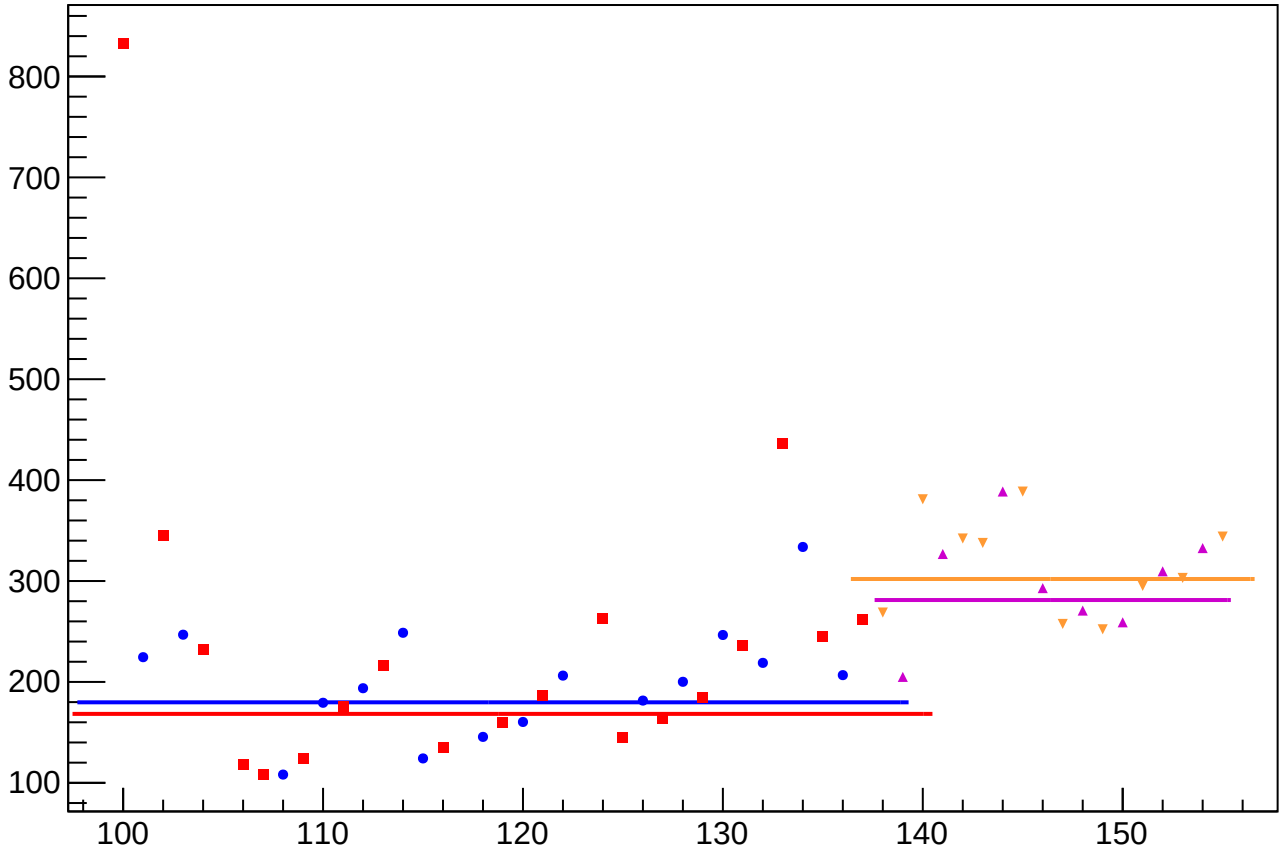
Left In: -0.120+/-0.109 χ^2/NDF:9.9/7

+ sign -0.017+/-0.059 χ^2/NDF: 22.6/25

All: 0.010+/-0.041 χ^2/NDF: 53.4/52

- sign 0.035+/-0.057 χ^2/NDF: 30.3/26

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 302.012+/-0.078 χ^2/NDF:341506.0/9

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

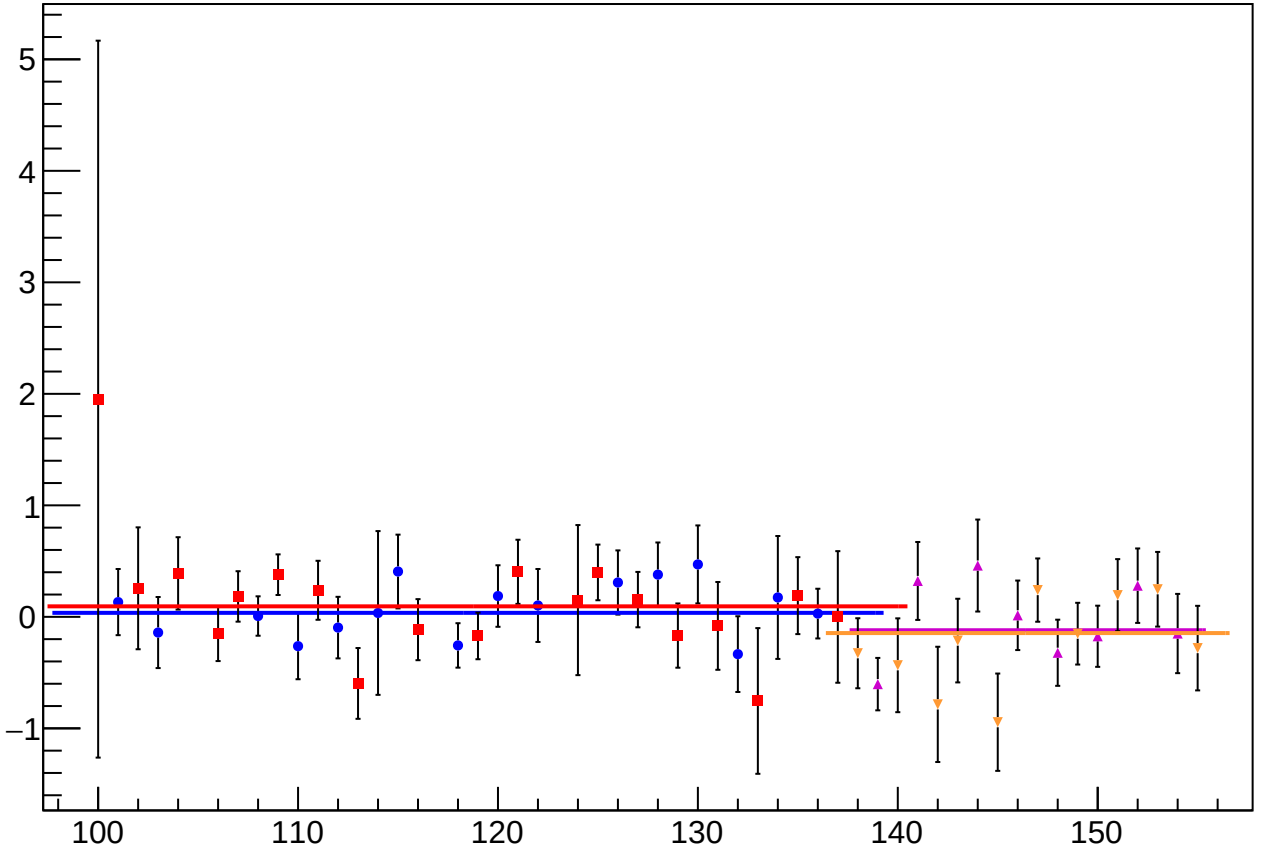
Left In: 281.171+/-0.077 χ^2/NDF:454802.6/7

+ sign 215.487+/-0.042 χ^2/NDF: 3011349.0/25

All: 207.314+/-0.029 χ^2/NDF: 6494070.4/52

- sign 199.656+/-0.041 χ^2/NDF: 3409347.1/26

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: -0.145+/-0.110 χ^2/NDF:10.2/9

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

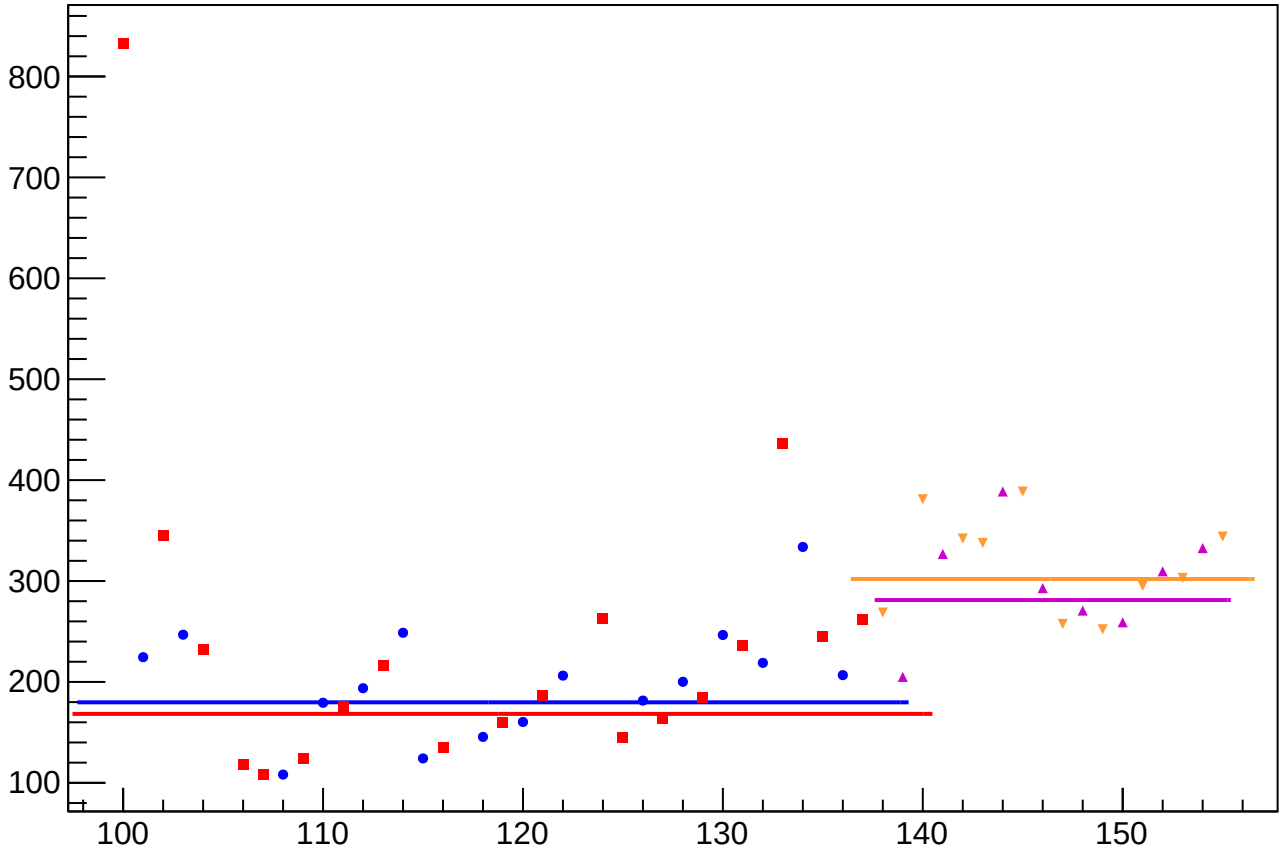
Left In: -0.120+/-0.109 χ^2/NDF:9.9/7

+ sign -0.017+/-0.059 χ^2/NDF: 22.6/25

All: 0.010+/-0.041 χ^2/NDF: 53.4/52

- sign 0.035+/-0.057 χ^2/NDF: 30.3/26

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: 302.012+/-0.078 χ^2/NDF:341506.0/9

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

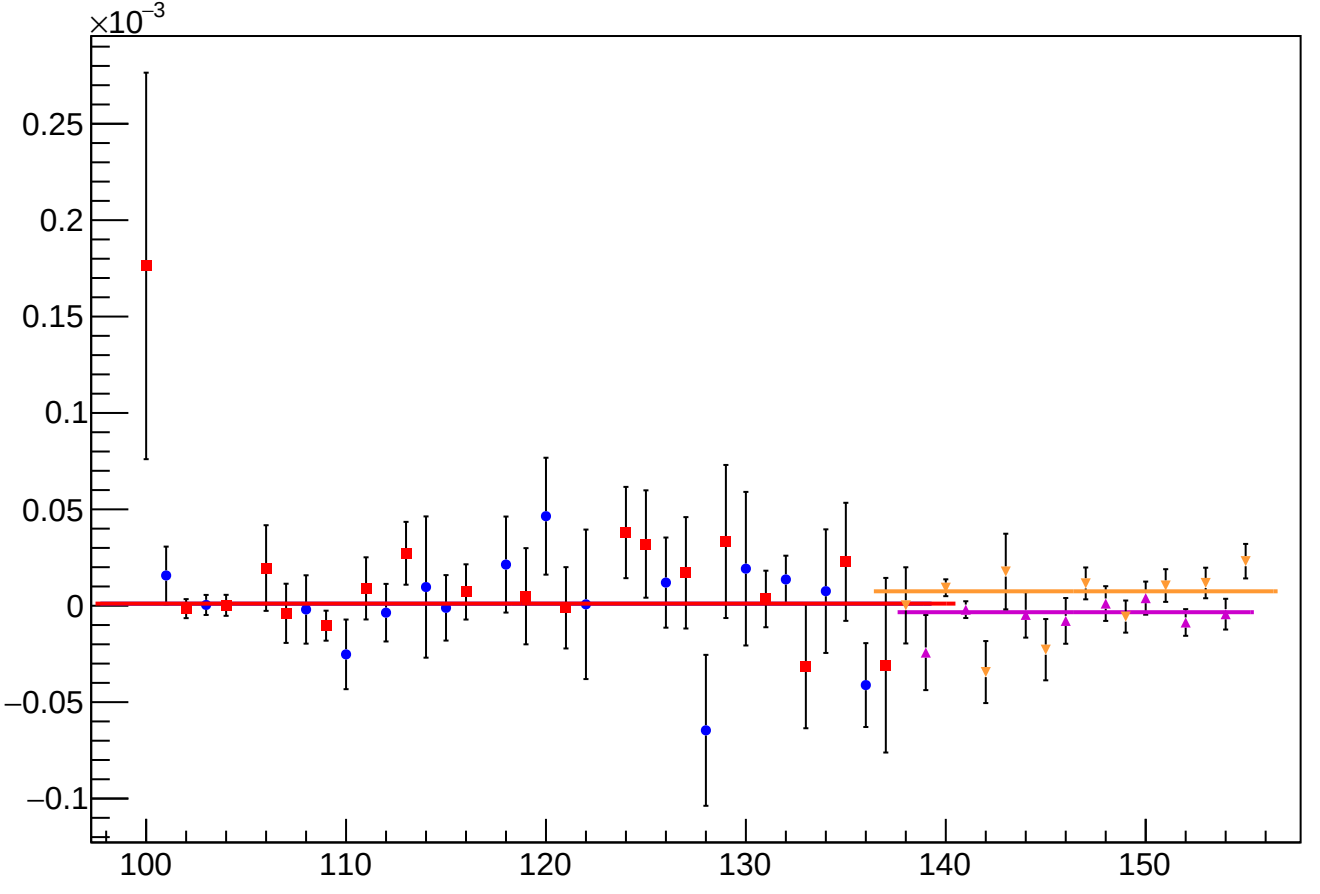
Left In: 281.171+/-0.077 χ^2/NDF:454802.6/7

+ sign 215.487+/-0.042 χ^2/NDF: 3011349.0/25

All: 207.314+/-0.029 χ^2/NDF: 6494070.4/52

- sign 199.656+/-0.041 χ^2/NDF: 3409347.1/26

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:17.2/9

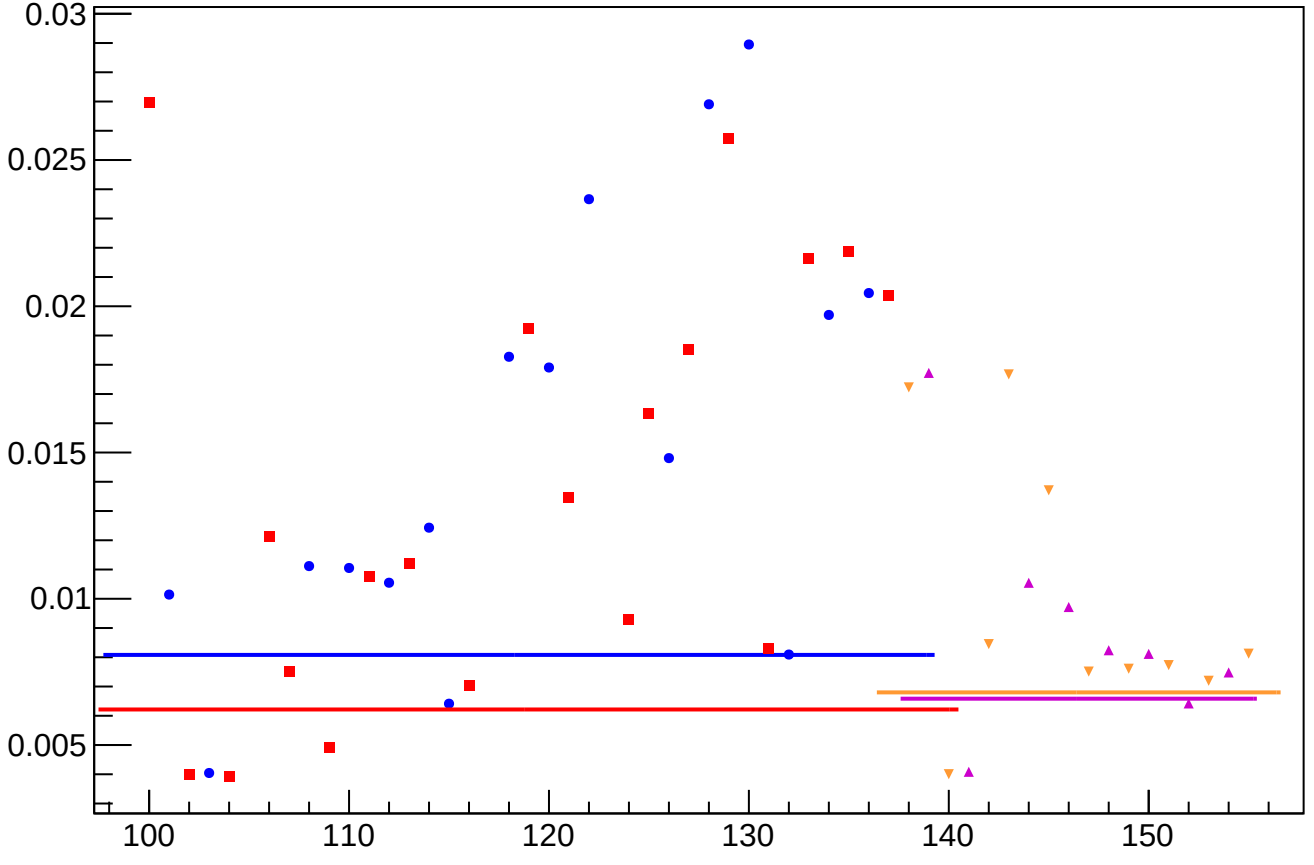
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/25

All: 0.000+/-0.000 χ^2/NDF: 58.5/52

- sign -0.000+/-0.000 χ^2/NDF: 20.3/26



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2497142.2/9

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

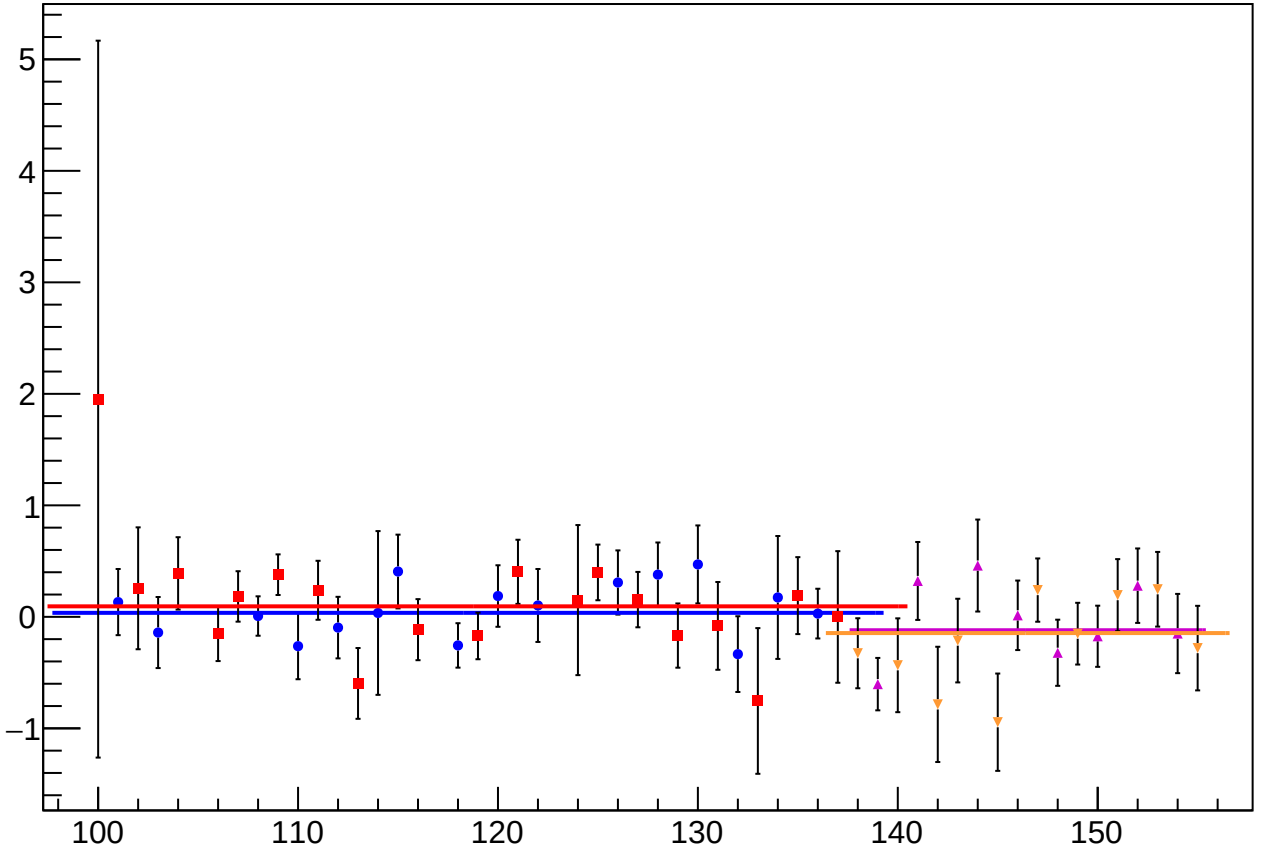
Left In: 0.007+/-0.000 χ^2/NDF:1836714.6/7

+ sign 0.007+/-0.000 χ^2/NDF: 7066272.0/25

All: 0.007+/-0.000 χ^2/NDF: 13644560.1/52

- sign 0.006+/-0.000 χ^2/NDF: 6415280.6/26

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: -0.145+/-0.110 χ^2/NDF:10.2/9

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

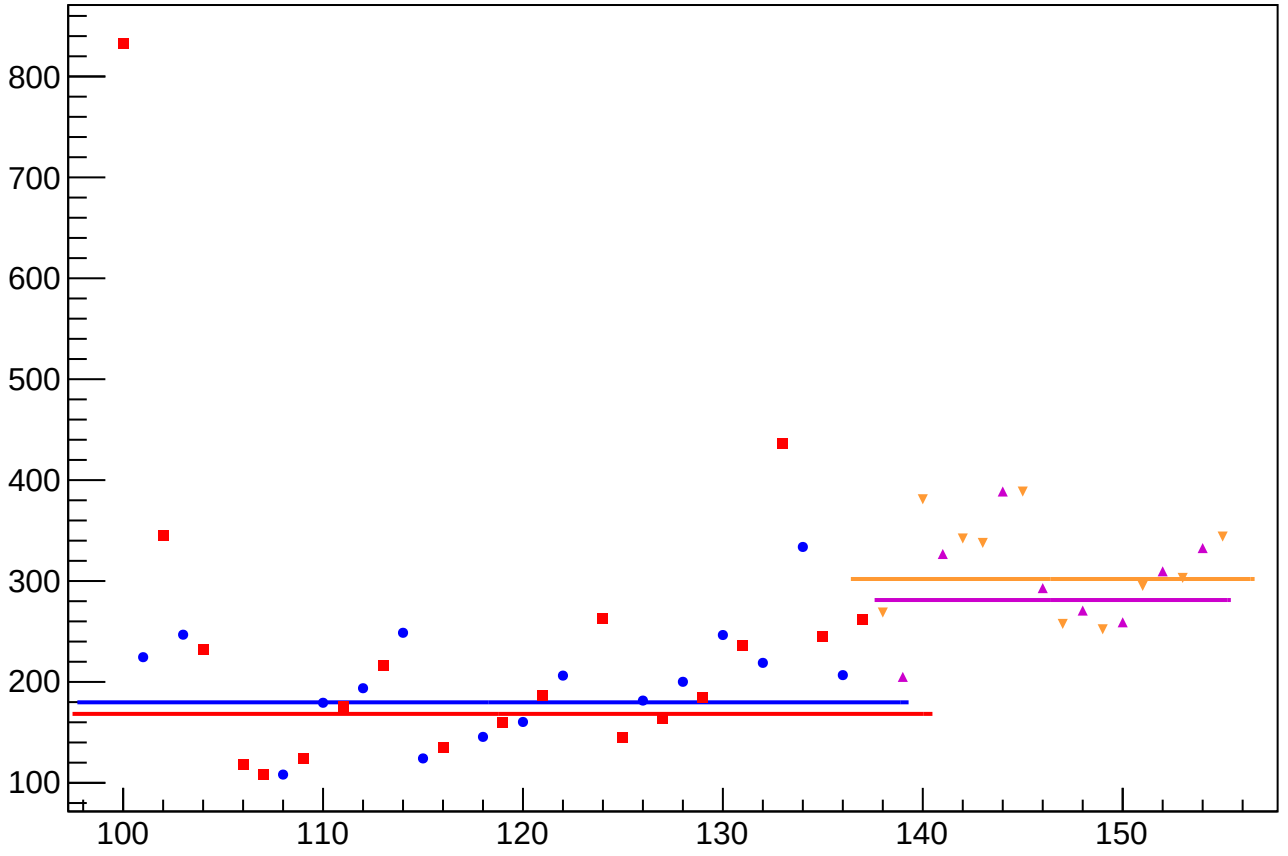
Left In: -0.120+/-0.109 χ^2/NDF:9.9/7

+ sign -0.017+/-0.059 χ^2/NDF: 22.6/25

All: 0.010+/-0.041 χ^2/NDF: 53.4/52

- sign 0.035+/-0.057 χ^2/NDF: 30.3/26

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: 302.016+/-0.078 χ^2/NDF:341487.1/9

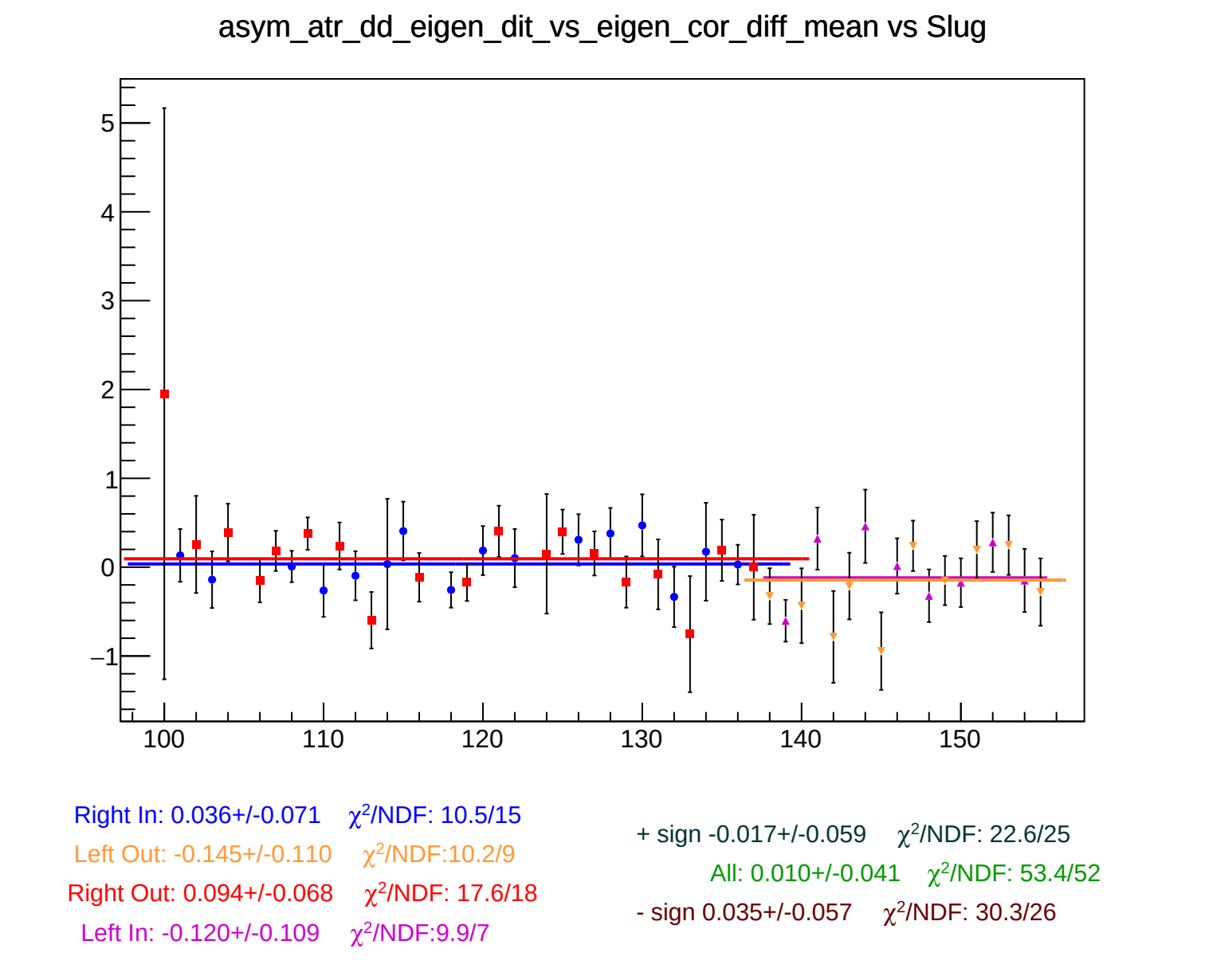
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

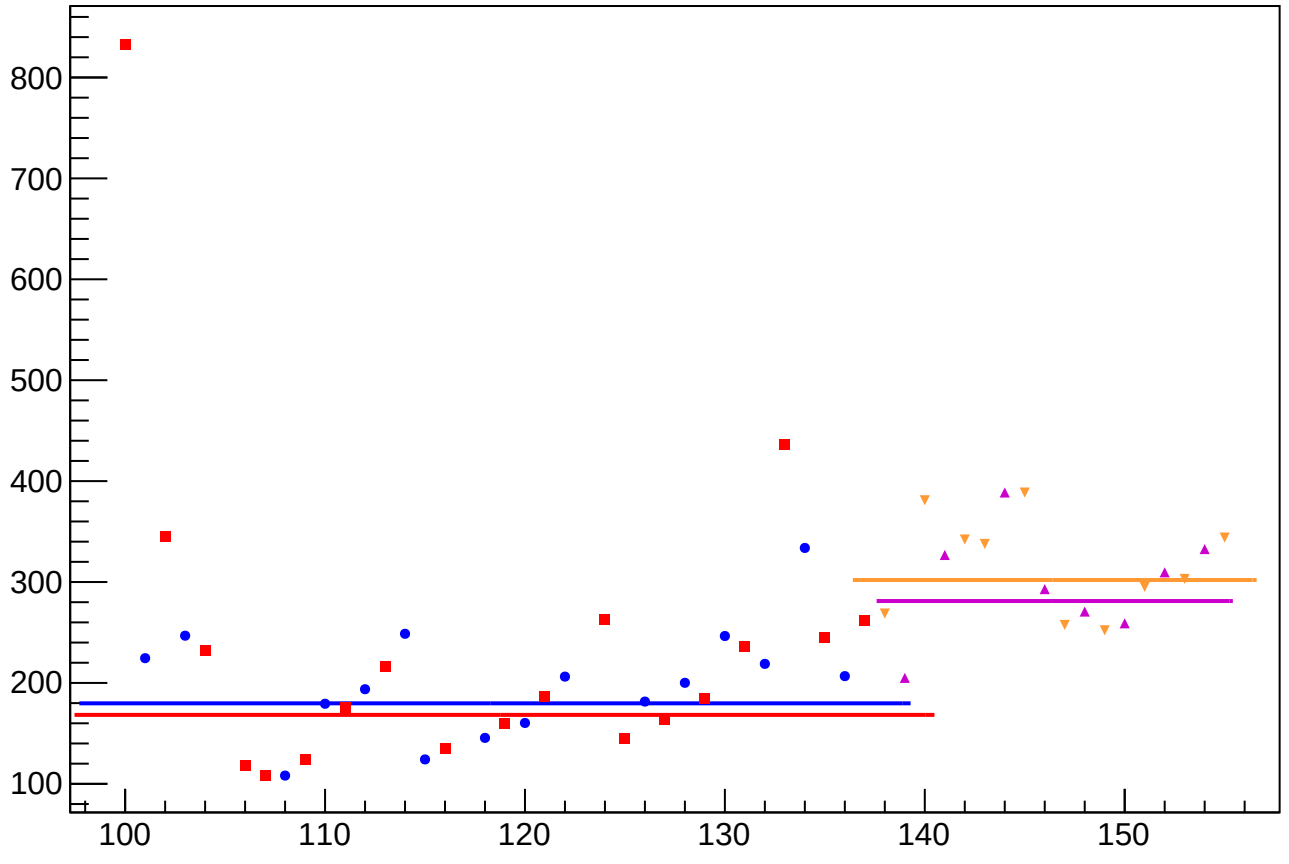
Left In: 281.175+/-0.077 χ^2/NDF:454773.1/7

+ sign 215.485+/-0.042 χ^2/NDF: 3011544.4/25

All: 207.313+/-0.029 χ^2/NDF: 6494293.8/52

- sign 199.656+/-0.041 χ^2/NDF: 3409395.7/26


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
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.145+/-0.110 χ²/NDF:10.2/9
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.120+/-0.109 χ²/NDF:9.9/7
+ sign -0.017+/-0.059 χ²/NDF: 22.6/25
All: 0.010+/-0.041 χ²/NDF: 53.4/52
- sign 0.035+/-0.057 χ²/NDF: 30.3/26



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 302.016+/-0.078 χ^2/NDF:341487.1/9

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

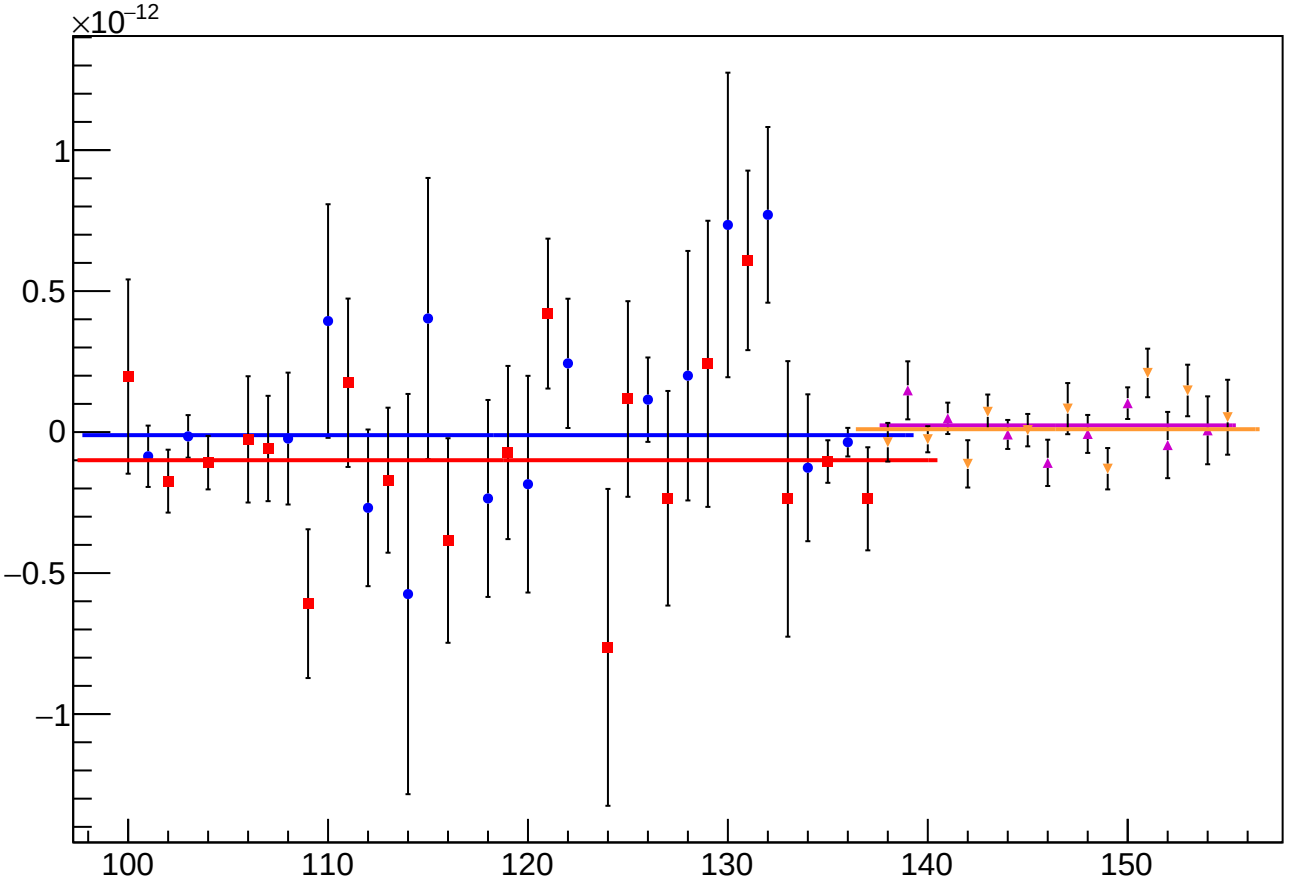
Left In: 281.175+/-0.077 χ^2/NDF:454773.1/7

+ sign 215.485+/-0.042 χ^2/NDF: 3011544.4/25

All: 207.313+/-0.029 χ^2/NDF: 6494293.8/52

- sign 199.656+/-0.041 χ^2/NDF: 3409395.7/26

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:16.2/9

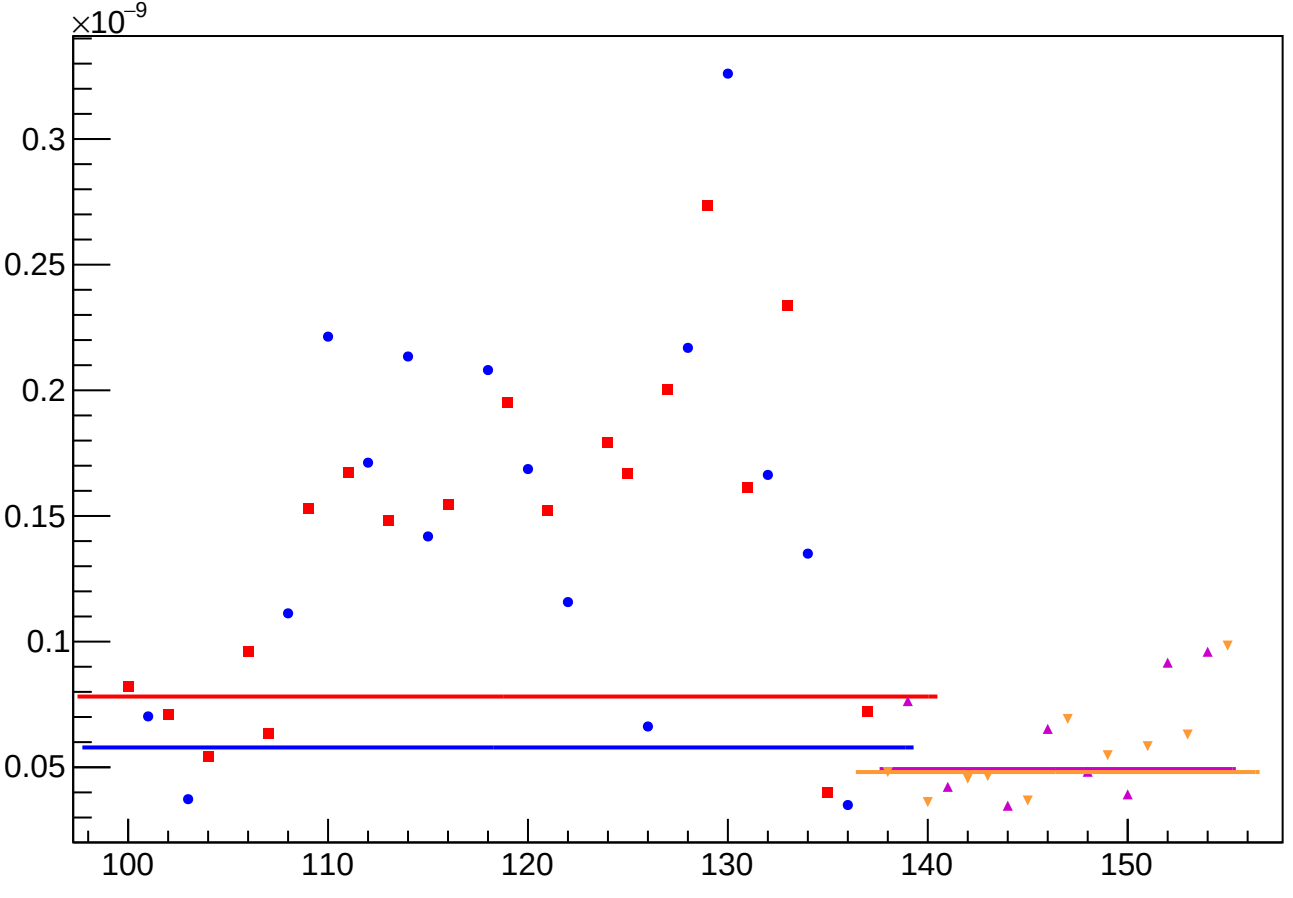
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 31.5/25

All: -0.000+/-0.000 χ^2/NDF: 63.7/52

- sign -0.000+/-0.000 χ^2/NDF: 32.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:708512.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

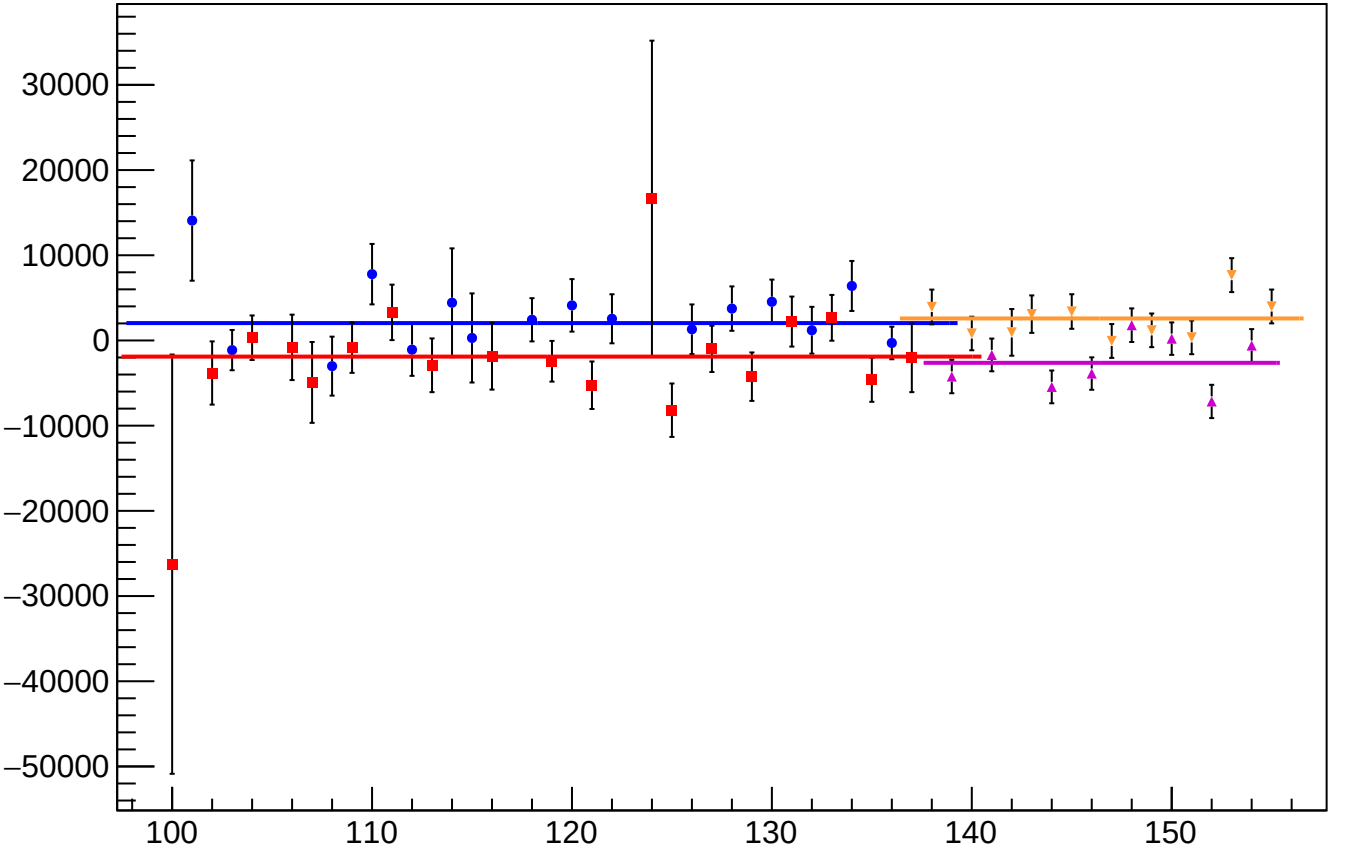
Left In: 0.000+/-0.000 χ^2/NDF:1032110.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 4141535.1/25

All: 0.000+/-0.000 χ^2/NDF: 8686273.3/52

- sign 0.000+/-0.000 χ^2/NDF: 4461092.4/26

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2582.980+/-651.966 χ^2/NDF:12.4/9

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

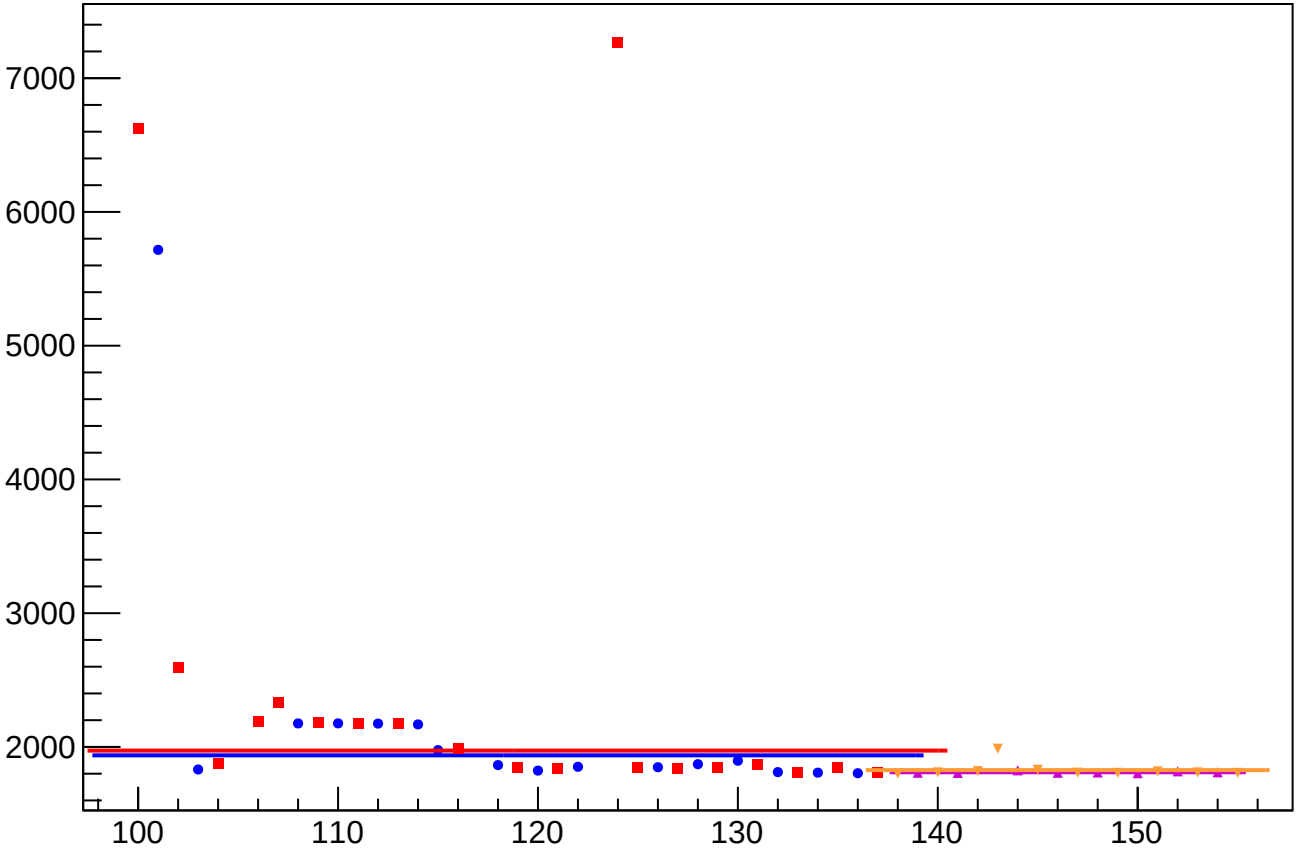
Left In: -2625.886+/-683.373 χ^2/NDF:17.2/7

+ sign 2343.975+/-488.089 χ^2/NDF: 29.1/25

All: 88.581+/-349.617 χ^2/NDF: 109.2/52

- sign -2287.993+/-501.030 χ^2/NDF: 36.3/26

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.681+/-0.461 χ^2/NDF:11916.6/9

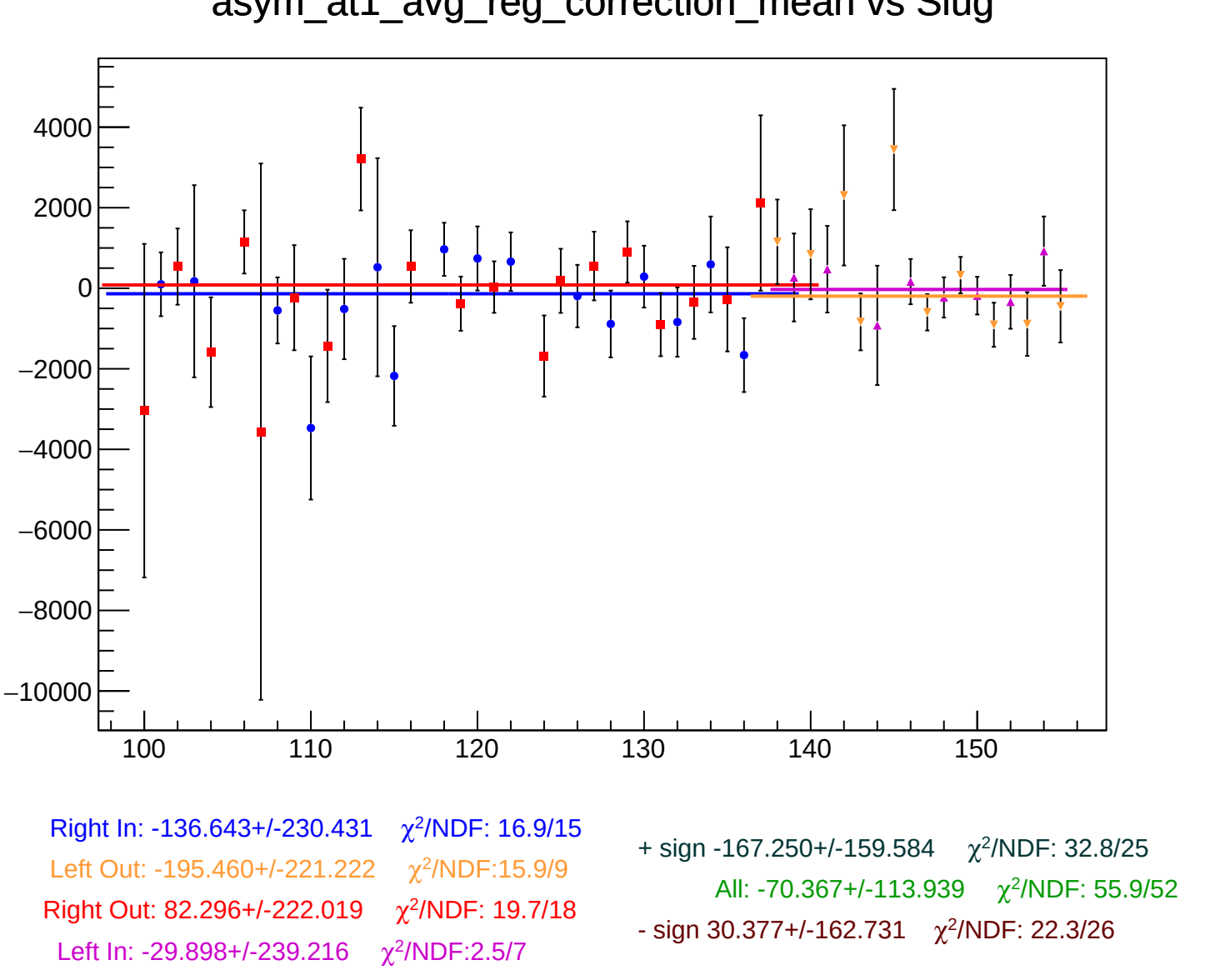
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1810.767+/-0.483 χ^2/NDF:194.5/7

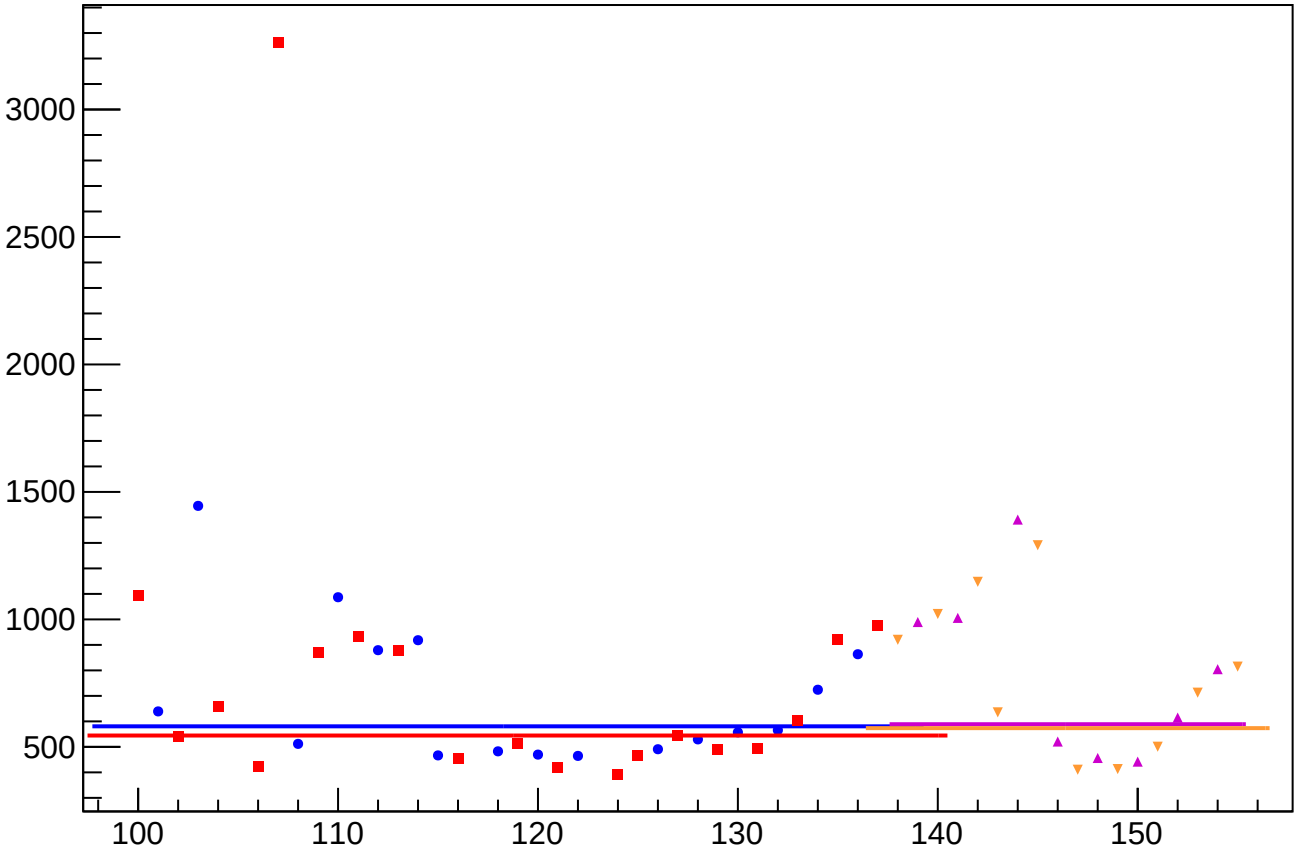
+ sign 1875.280+/-0.345 χ^2/NDF: 675293.5/25

All: 1880.345+/-0.247 χ^2/NDF: 1105440.7/52

- sign 1885.682+/-0.354 χ^2/NDF: 429704.9/26


asym_at1_avg_reg_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
Right In: -136.643+/-230.431 χ²/NDF: 16.9/15
Left Out: -195.460+/-221.222 χ²/NDF:15.9/9
Right Out: 82.296+/-222.019 χ²/NDF: 19.7/18
Left In: -29.898+/-239.216 χ²/NDF:2.5/7
+ sign -167.250+/-159.584 χ²/NDF: 32.8/25
All: -70.367+/-113.939 χ²/NDF: 55.9/52
- sign 30.377+/-162.731 χ²/NDF: 22.3/26

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 573.487+/-0.156 χ^2/NDF:1978962.2/9

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

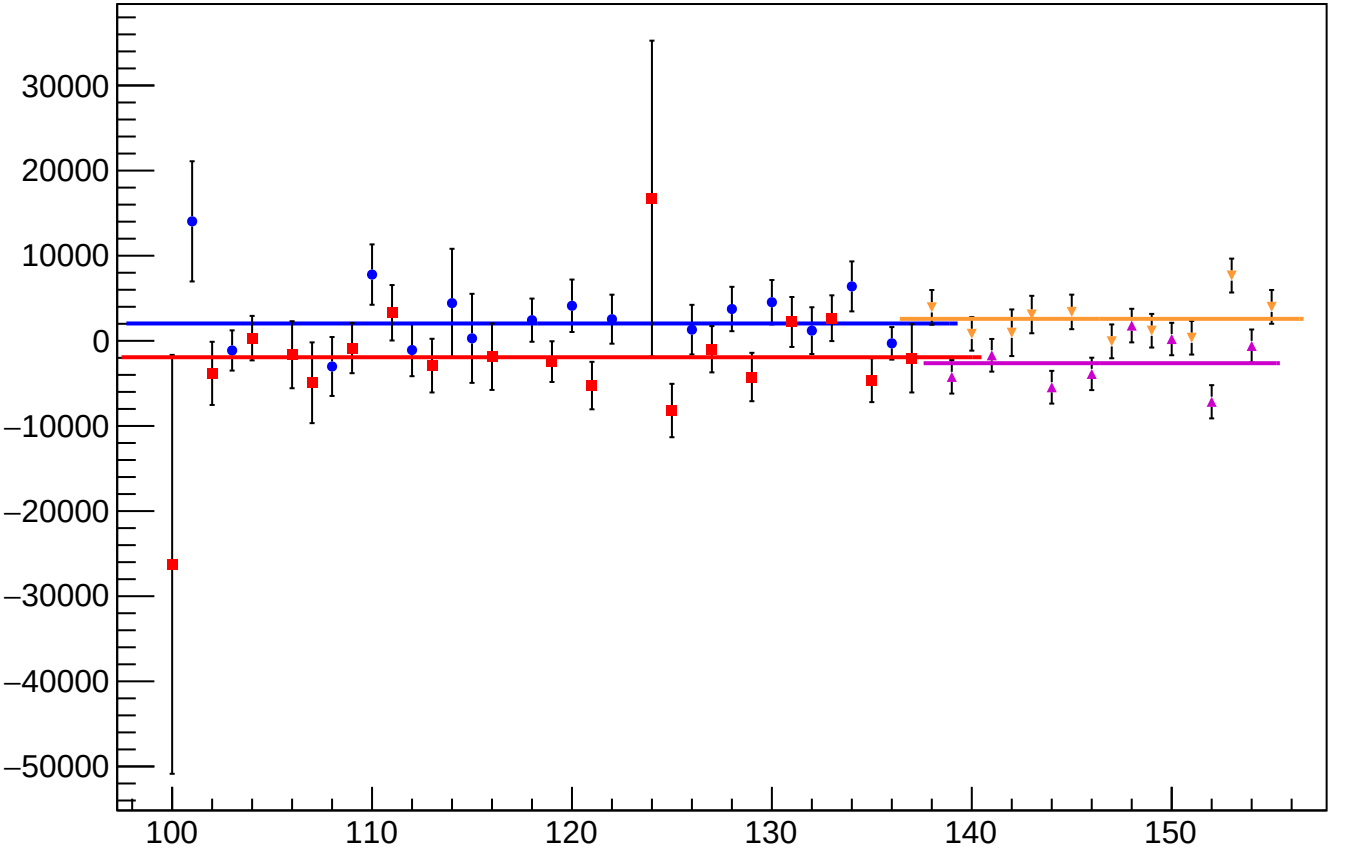
Left In: 588.859+/-0.169 χ^2/NDF:1652071.1/7

+ sign 576.904+/-0.113 χ^2/NDF: 2983367.6/25

All: 571.090+/-0.081 χ^2/NDF: 5965393.5/52

- sign 565.044+/-0.115 χ^2/NDF: 2976611.0/26

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2582.915+/-651.966 χ^2/NDF:12.4/9

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

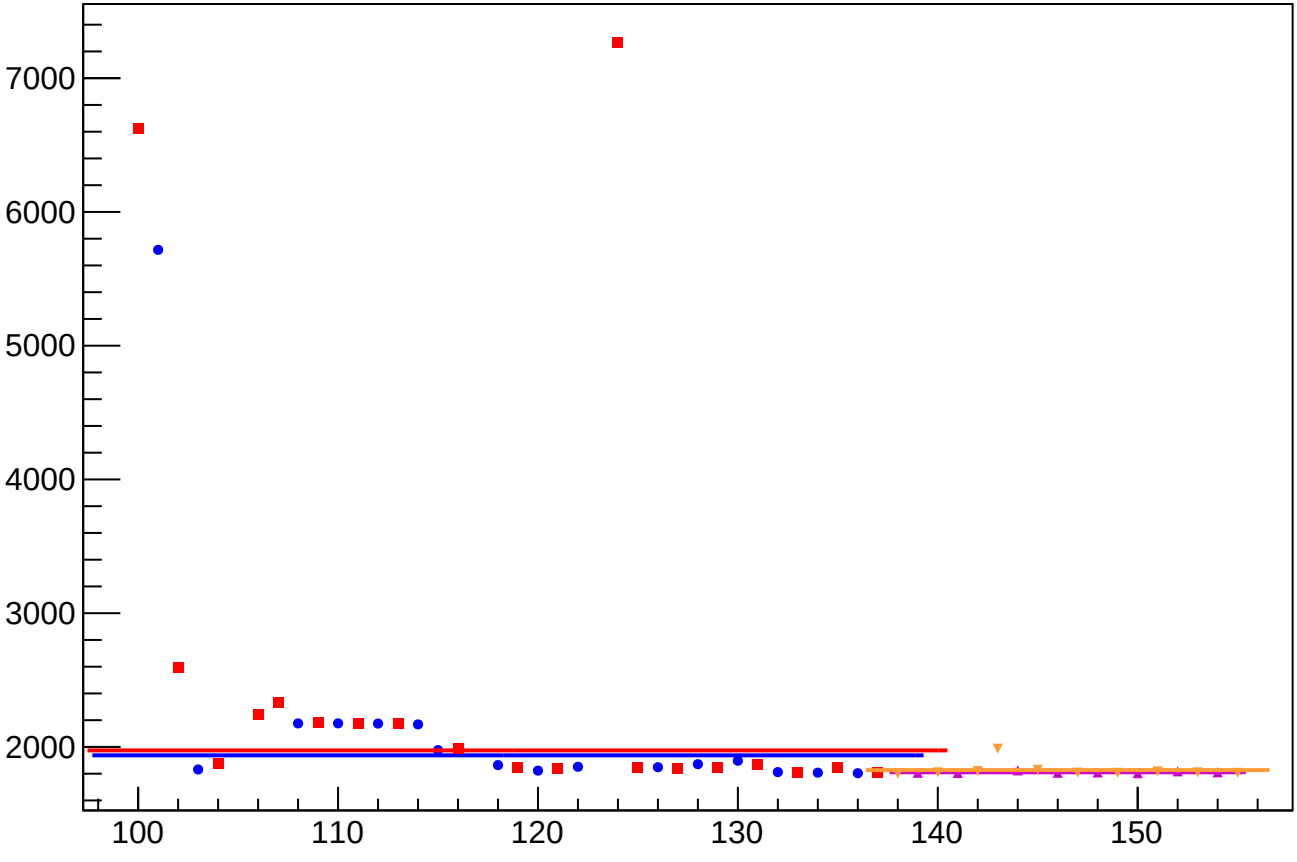
Left In: -2626.101+/-683.373 χ^2/NDF:17.2/7

+ sign 2343.776+/-488.089 χ^2/NDF: 29.1/25

All: 82.232+/-349.686 χ^2/NDF: 109.4/52

- sign -2302.761+/-501.234 χ^2/NDF: 36.2/26

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.681+/-0.461 χ^2/NDF:11916.6/9

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

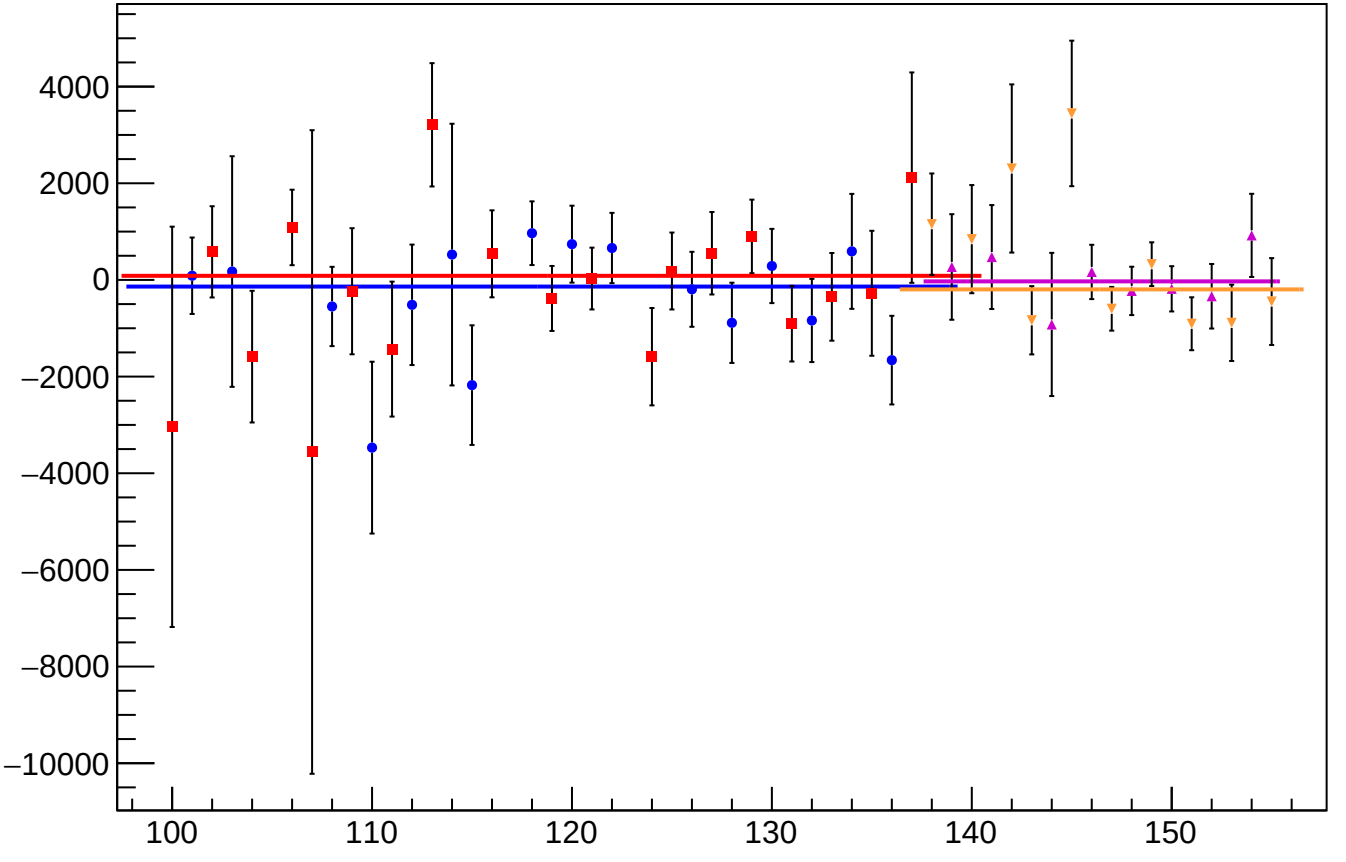
Left In: 1810.767+/-0.483 χ^2/NDF:194.5/7

+ sign 1875.280+/-0.345 χ^2/NDF: 675293.5/25

All: 1880.622+/-0.247 χ^2/NDF: 1109232.9/52

- sign 1886.256+/-0.354 χ^2/NDF: 433447.2/26

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -195.738+/-221.221 χ^2/NDF:15.9/9

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

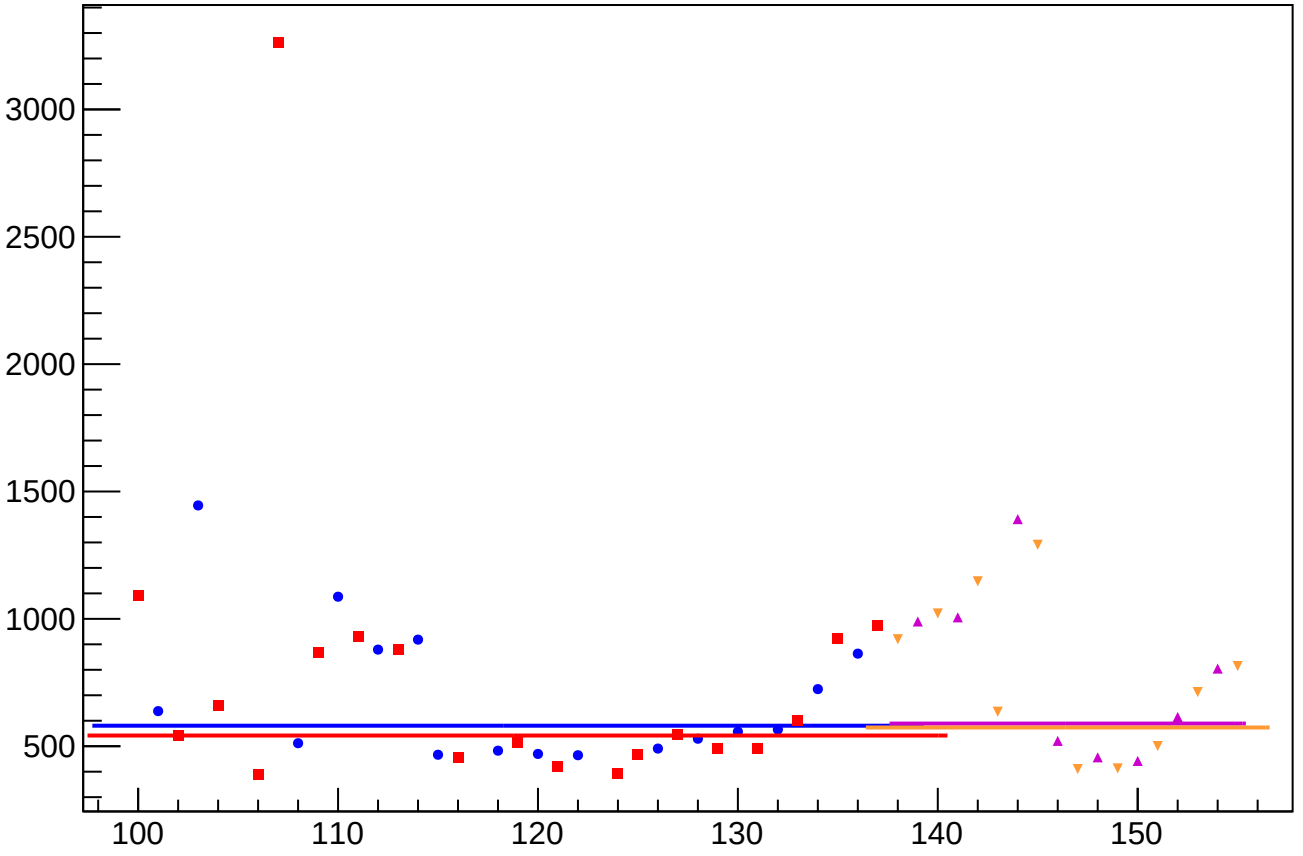
Left In: -29.919+/-239.218 χ^2/NDF:2.5/7

+ sign -167.796+/-159.567 χ^2/NDF: 32.8/25

All: -69.911+/-113.915 χ^2/NDF: 55.5/52

- sign 31.827+/-162.678 χ^2/NDF: 21.9/26

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 573.484+/-0.156 χ^2/NDF:1978964.7/9

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

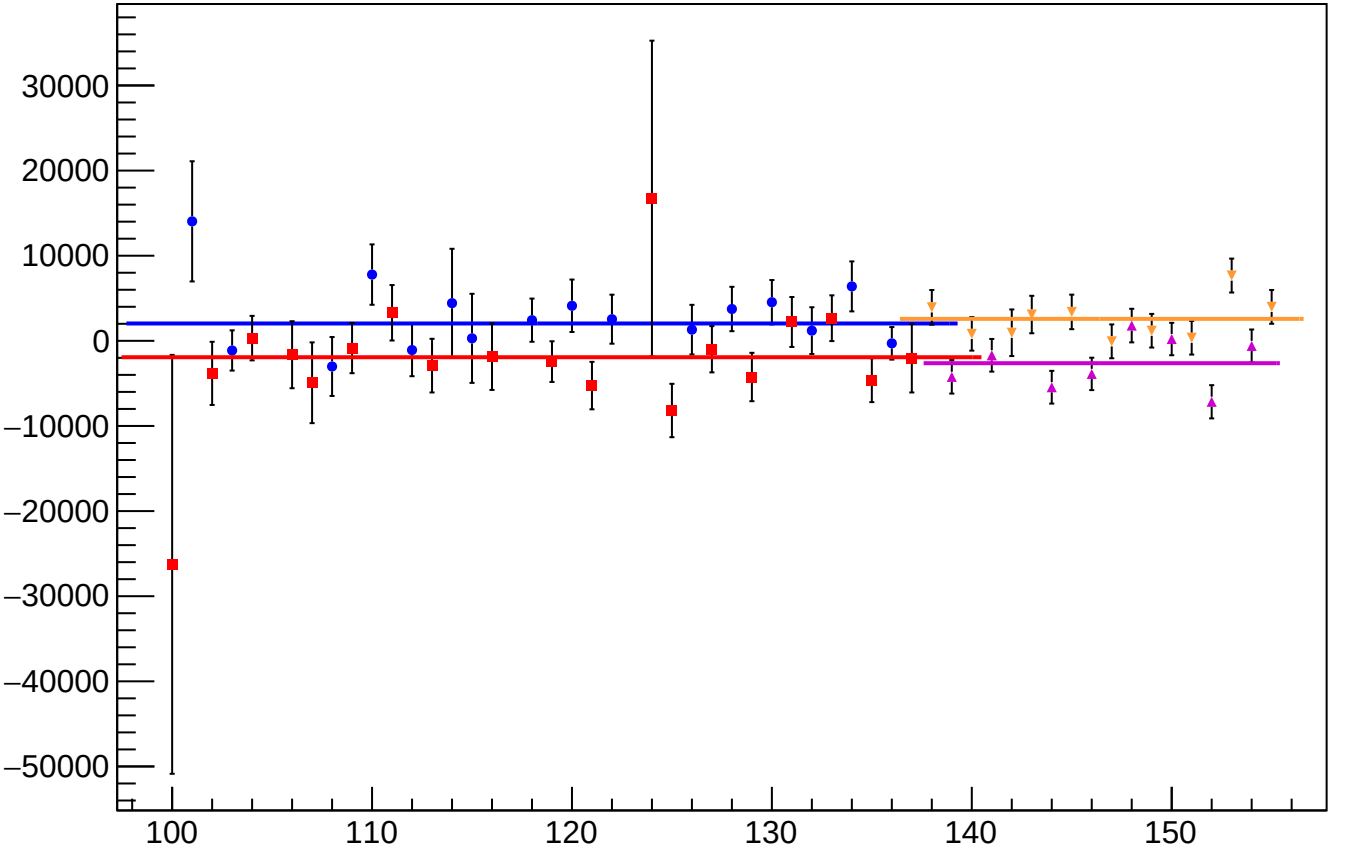
Left In: 588.862+/-0.169 χ^2/NDF:1652081.8/7

+ sign 576.859+/-0.113 χ^2/NDF: 2982835.3/25

All: 570.376+/-0.081 χ^2/NDF: 6001865.1/52

- sign 563.639+/-0.115 χ^2/NDF: 3012298.4/26

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2582.915+/-651.966 χ^2/NDF:12.4/9

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

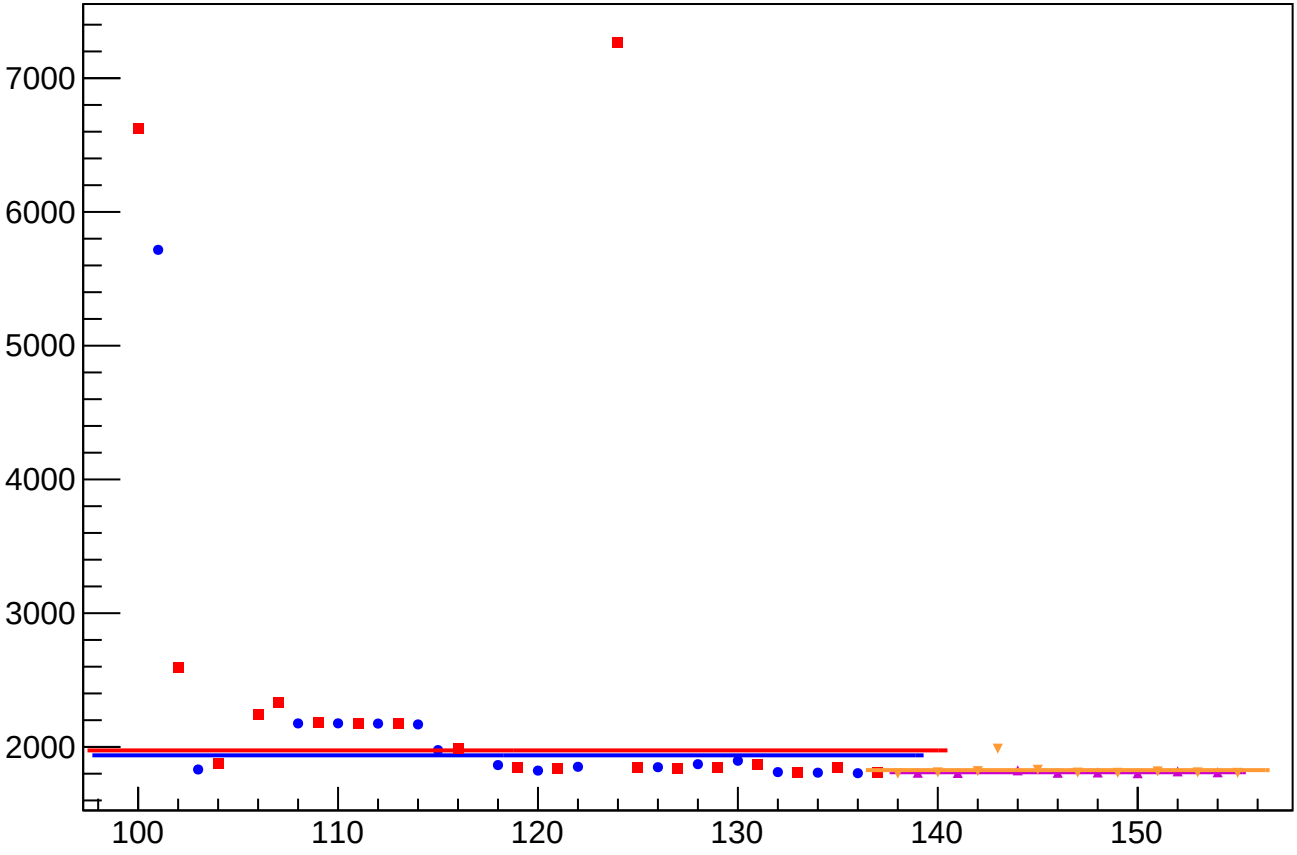
Left In: -2626.101+/-683.373 χ^2/NDF:17.2/7

+ sign 2343.776+/-488.089 χ^2/NDF: 29.1/25

All: 82.232+/-349.686 χ^2/NDF: 109.4/52

- sign -2302.761+/-501.234 χ^2/NDF: 36.2/26

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.681+/-0.461 χ^2/NDF:11916.6/9

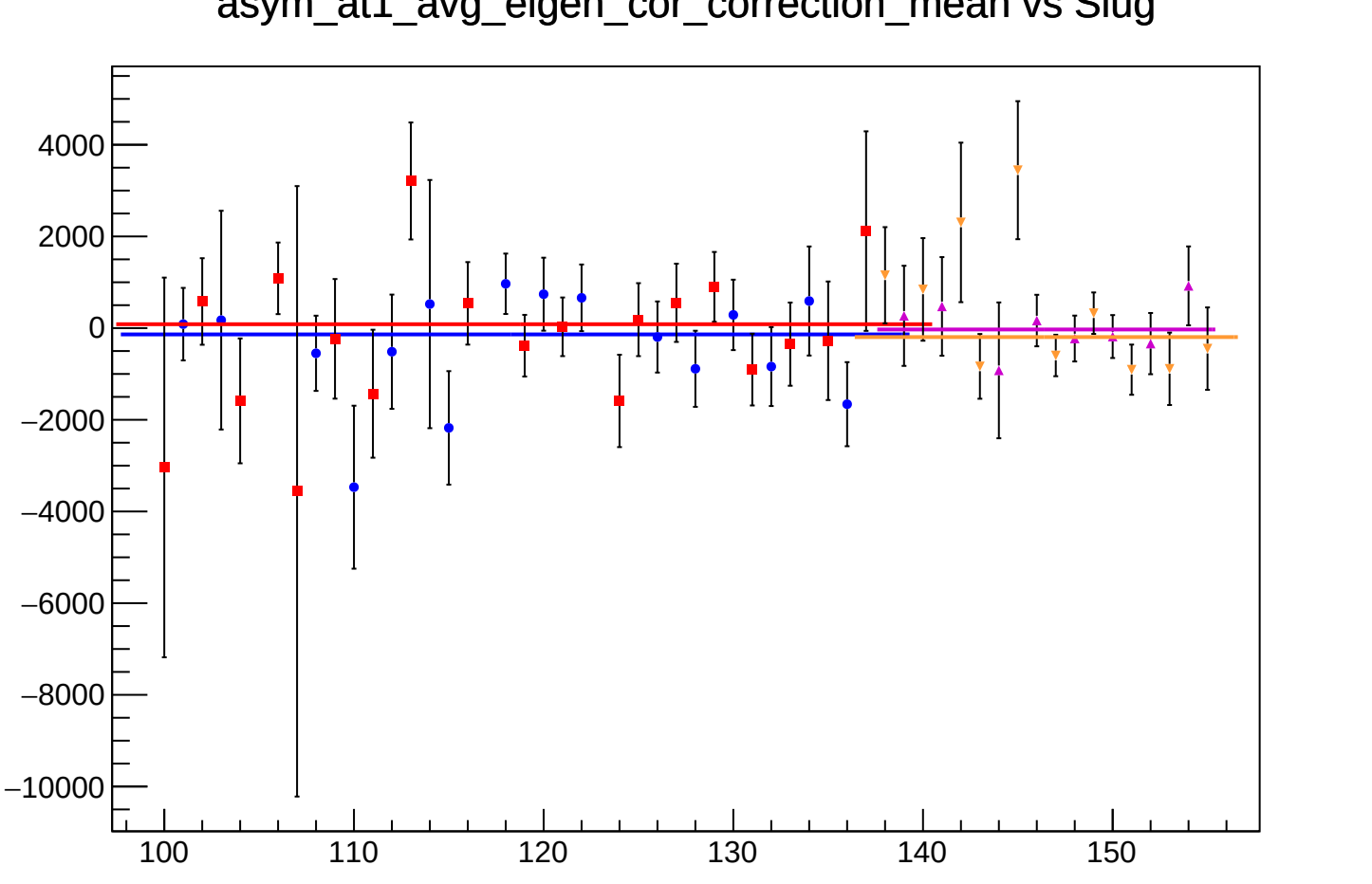
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.767+/-0.483 χ^2/NDF:194.5/7

+ sign 1875.280+/-0.345 χ^2/NDF: 675293.5/25

All: 1880.622+/-0.247 χ^2/NDF: 1109232.9/52

- sign 1886.256+/-0.354 χ^2/NDF: 433447.2/26



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -195.738+/-221.221 χ^2/NDF:15.9/9

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

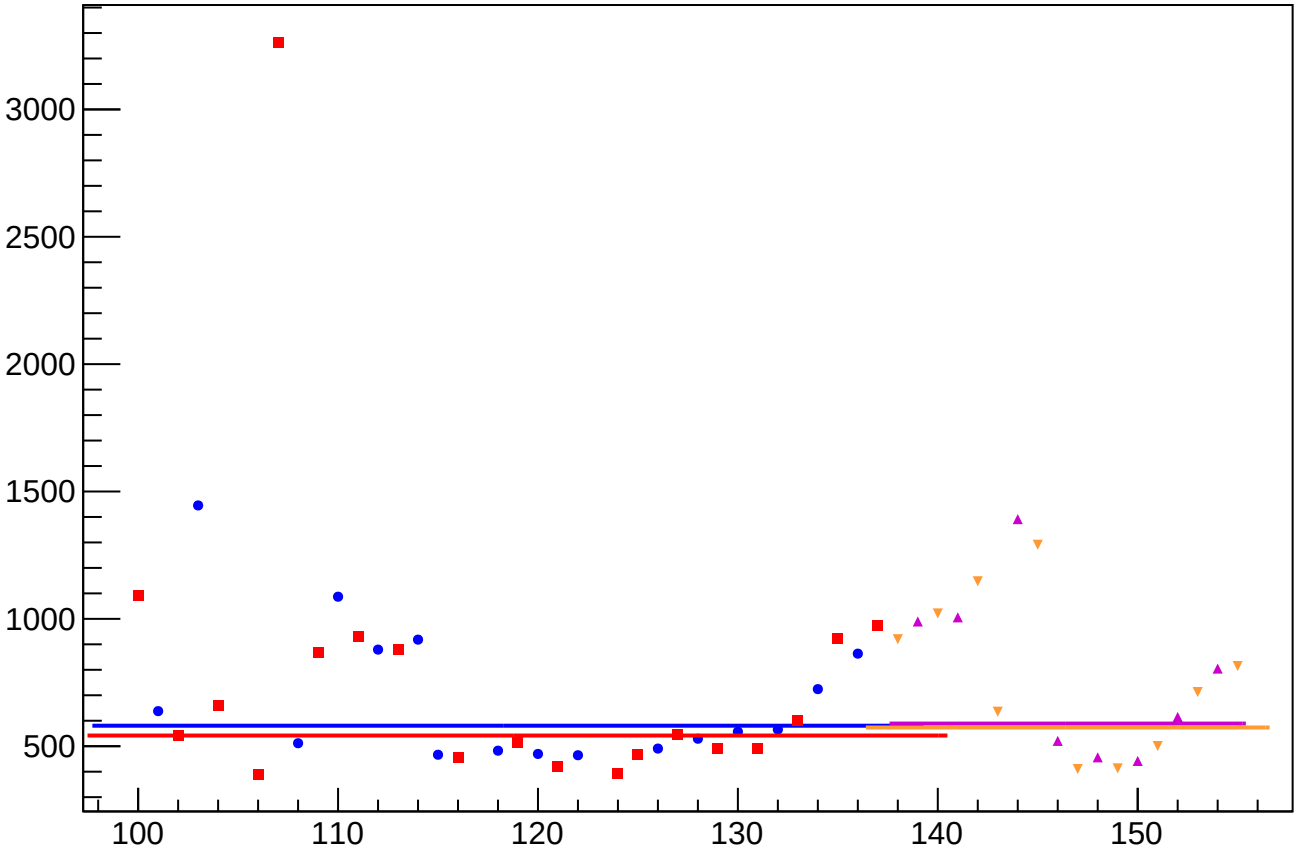
Left In: -29.919+/-239.218 χ^2/NDF:2.5/7

+ sign -167.796+/-159.567 χ^2/NDF: 32.8/25

All: -69.911+/-113.915 χ^2/NDF: 55.5/52

- sign 31.827+/-162.678 χ^2/NDF: 21.9/26

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 573.484+/-0.156 χ^2/NDF:1978964.7/9

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

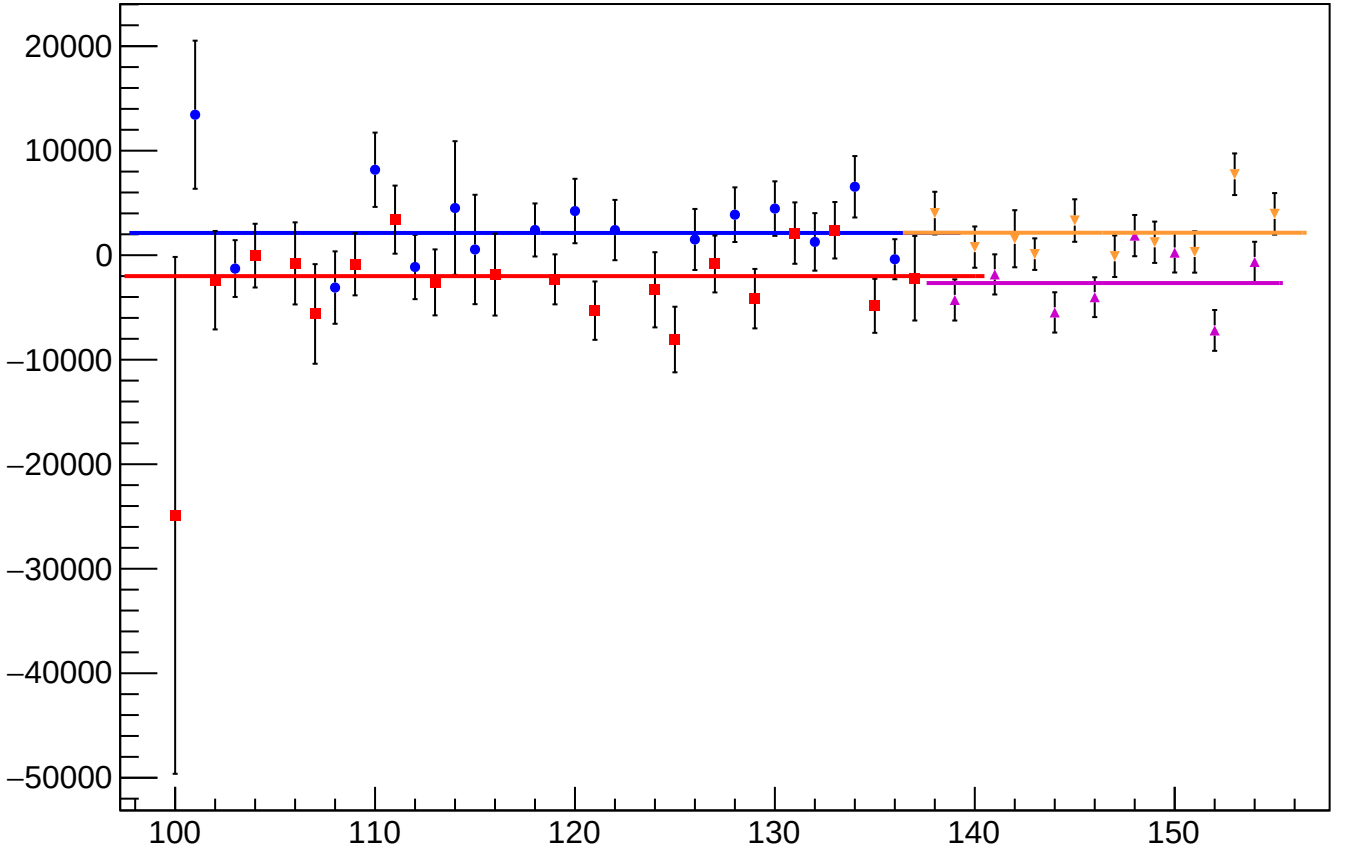
Left In: 588.862+/-0.169 χ^2/NDF:1652081.8/7

+ sign 576.859+/-0.113 χ^2/NDF: 2982835.3/25

All: 570.376+/-0.081 χ^2/NDF: 6001865.1/52

- sign 563.639+/-0.115 χ^2/NDF: 3012298.4/26

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2149.346+/-622.535 χ^2/NDF:14.6/9

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

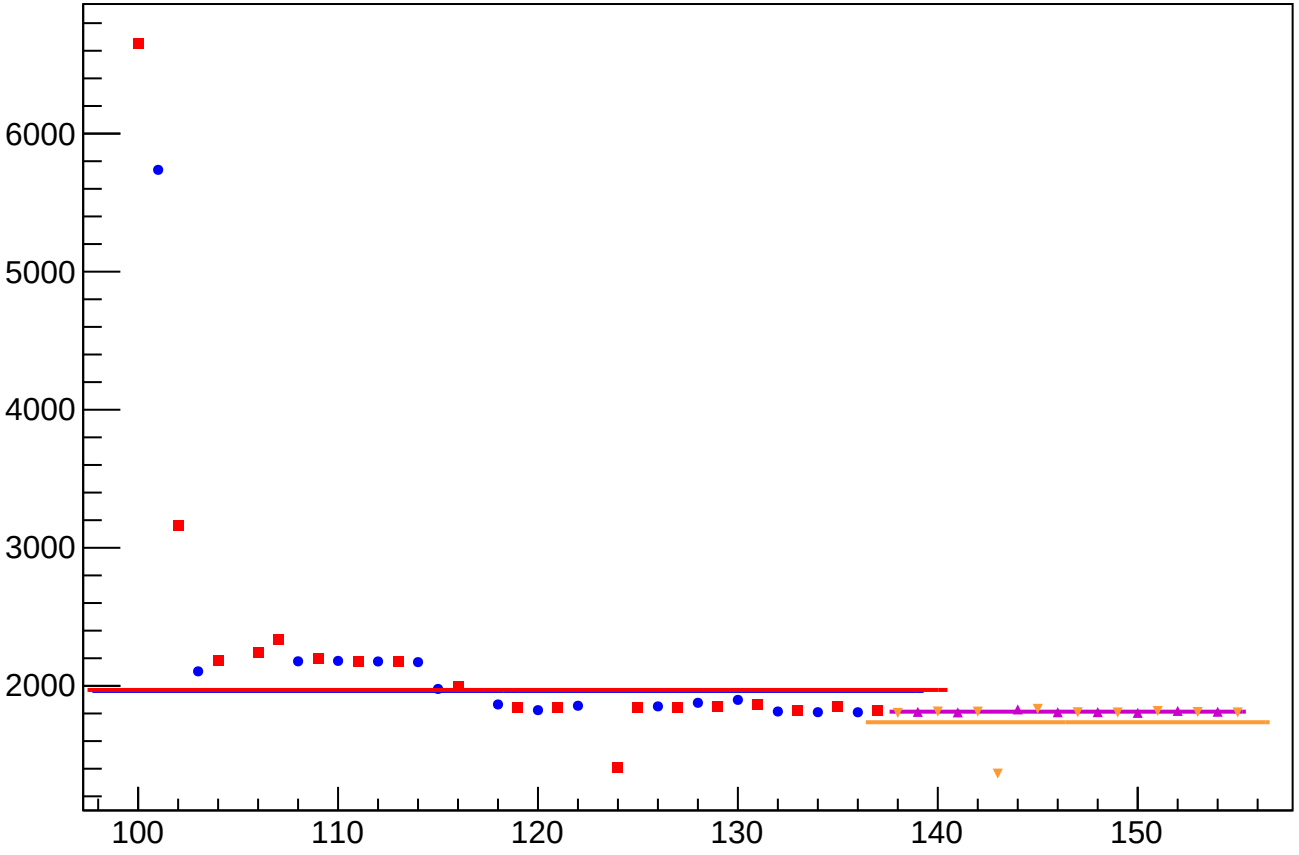
Left In: -2664.493+/-684.265 χ^2/NDF:17.6/7

+ sign 2140.894+/-478.035 χ^2/NDF: 31.1/25

All: -0.755+/-346.026 χ^2/NDF: 108.0/52

- sign -2357.983+/-501.518 χ^2/NDF: 34.8/26

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1736.637+/-0.440 χ^2/NDF:146867.3/9

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

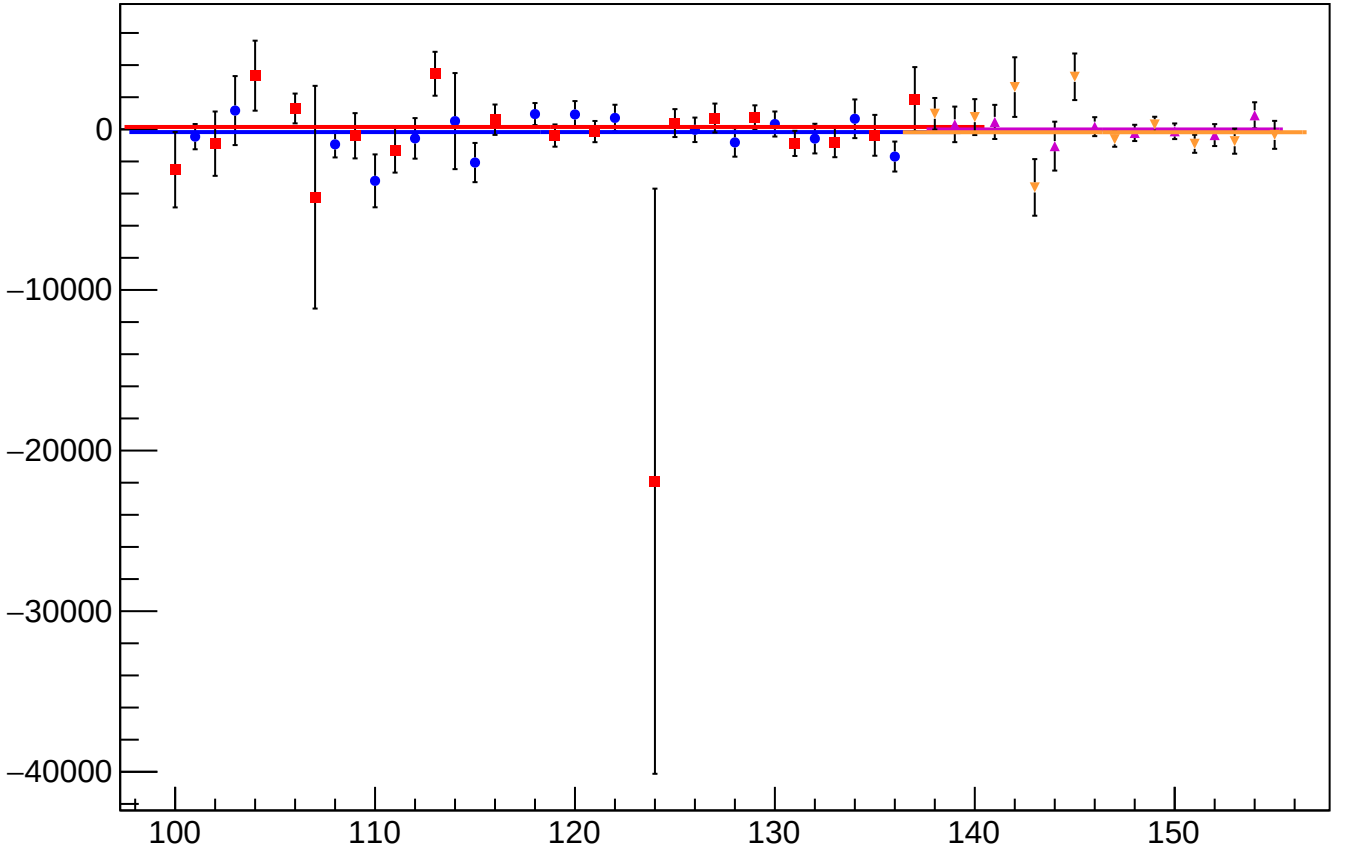
Left In: 1813.094+/-0.484 χ^2/NDF:230.9/7

+ sign 1829.696+/-0.338 χ^2/NDF: 896030.6/25

All: 1856.463+/-0.245 χ^2/NDF: 1303523.6/52

- sign 1885.925+/-0.355 χ^2/NDF: 394320.4/26

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -180.556+/-236.454 χ^2/NDF:17.9/9

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

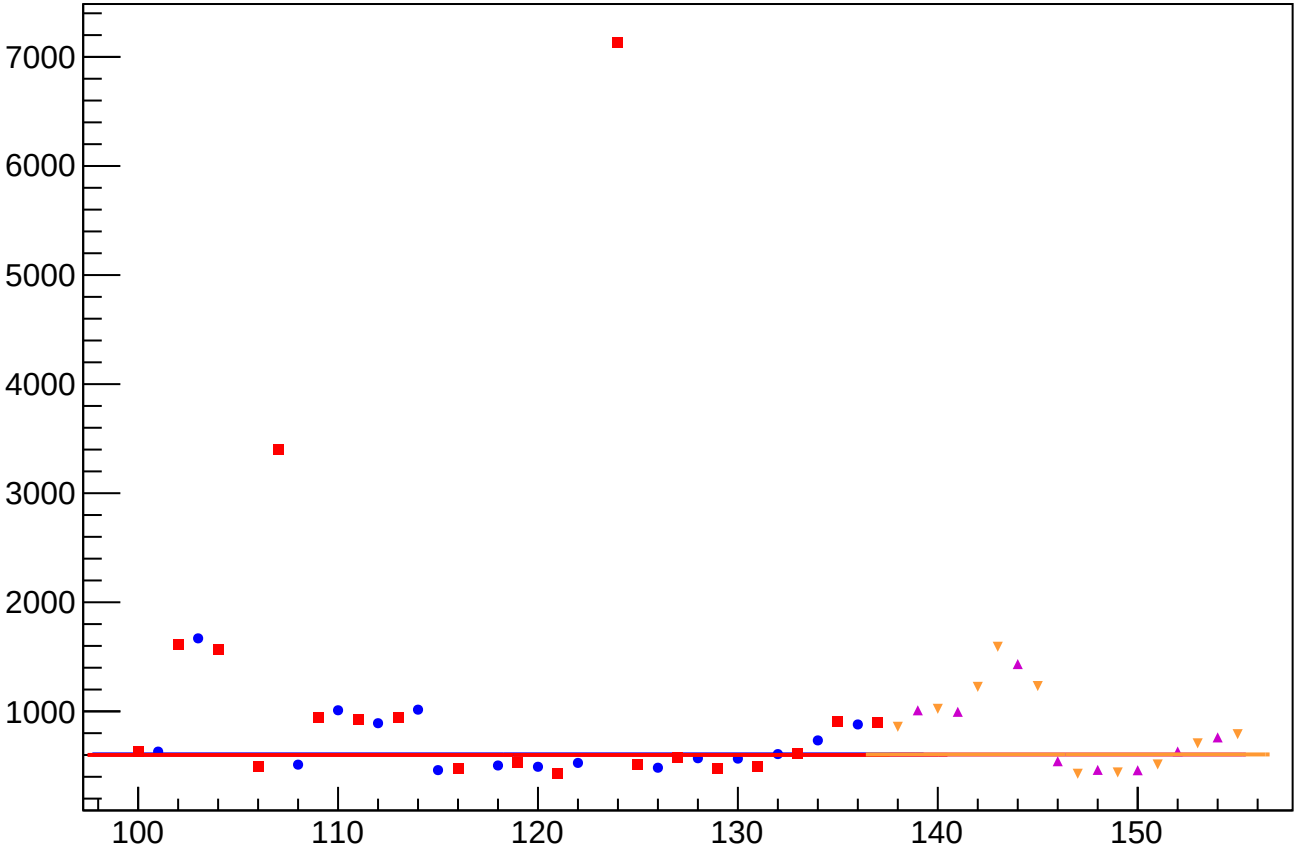
Left In: -7.712+/-244.038 χ^2/NDF:2.5/7

+ sign -175.674+/-167.360 χ^2/NDF: 35.1/25

All: -56.164+/-119.995 χ^2/NDF: 59.0/52

- sign 70.268+/-172.139 χ^2/NDF: 22.8/26

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 604.951+/-0.167 χ^2/NDF:2332948.3/9

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

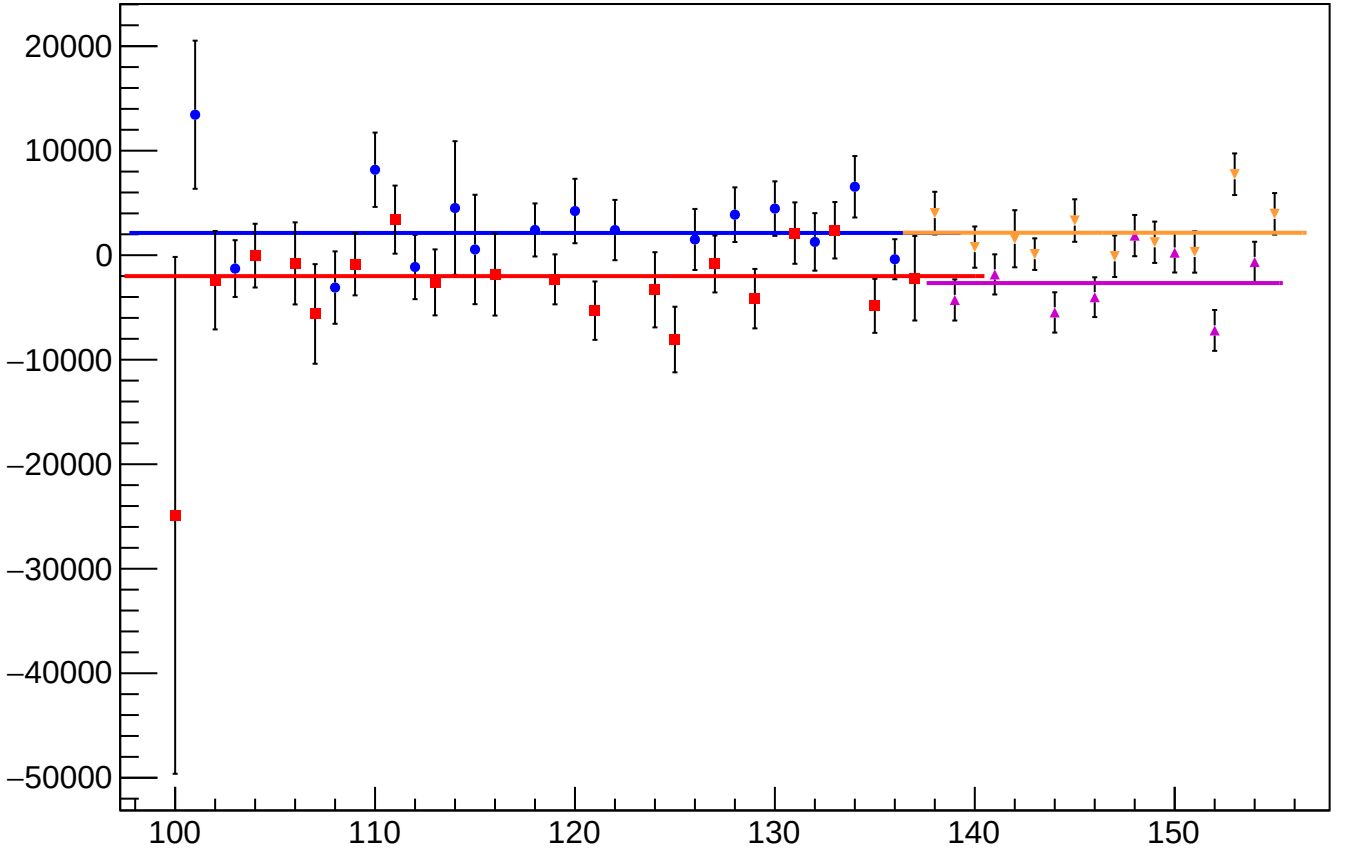
Left In: 604.272+/-0.173 χ^2/NDF:1563287.7/7

+ sign 605.190+/-0.118 χ^2/NDF: 3495406.8/25

All: 603.810+/-0.085 χ^2/NDF: 7387745.1/52

- sign 602.350+/-0.122 χ^2/NDF: 3892058.4/26

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2149.347+/-622.535 χ^2/NDF:14.6/9

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

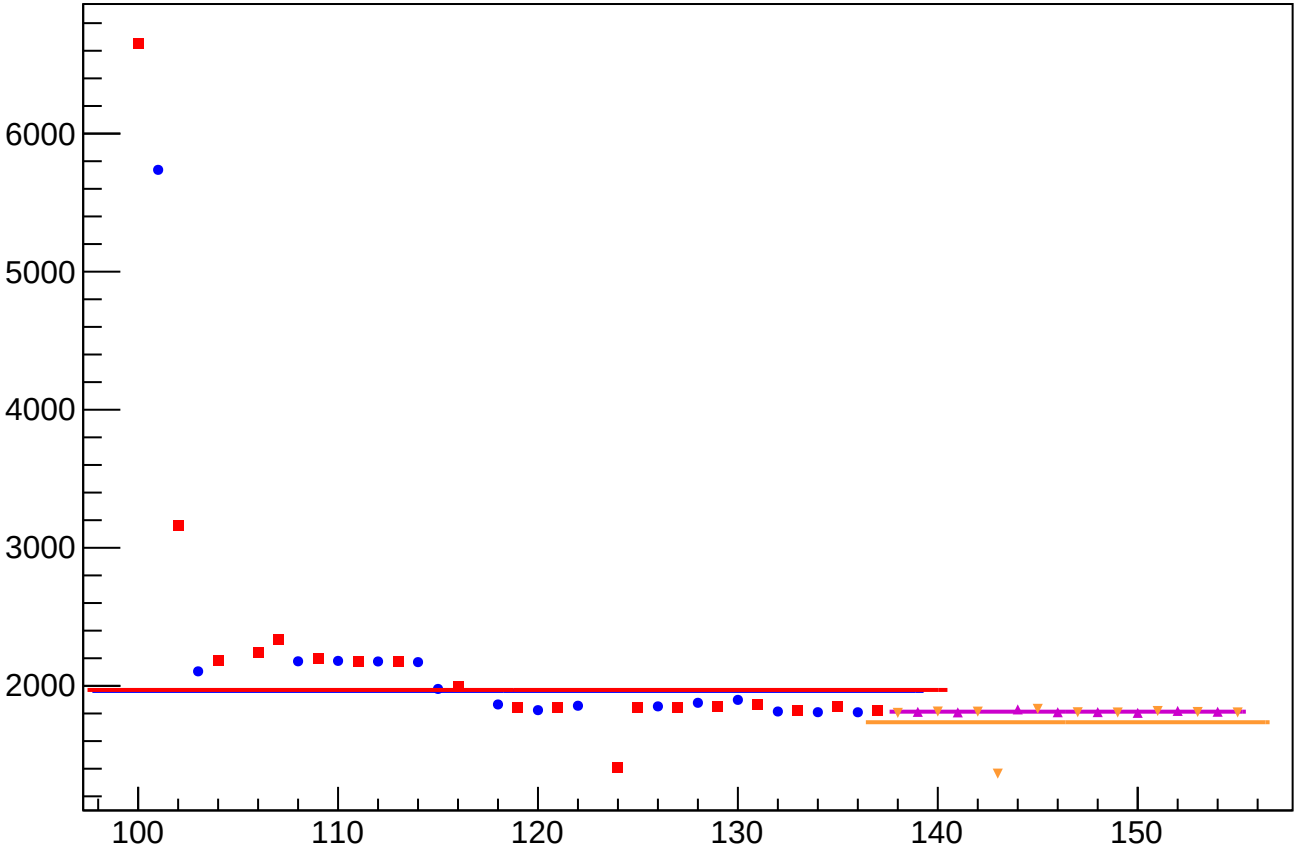
Left In: -2664.493+/-684.265 χ^2/NDF:17.6/7

+ sign 2140.893+/-478.035 χ^2/NDF: 31.1/25

All: -0.754+/-346.026 χ^2/NDF: 108.0/52

- sign -2357.982+/-501.518 χ^2/NDF: 34.8/26

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1736.637+/-0.440 χ^2/NDF:146867.3/9

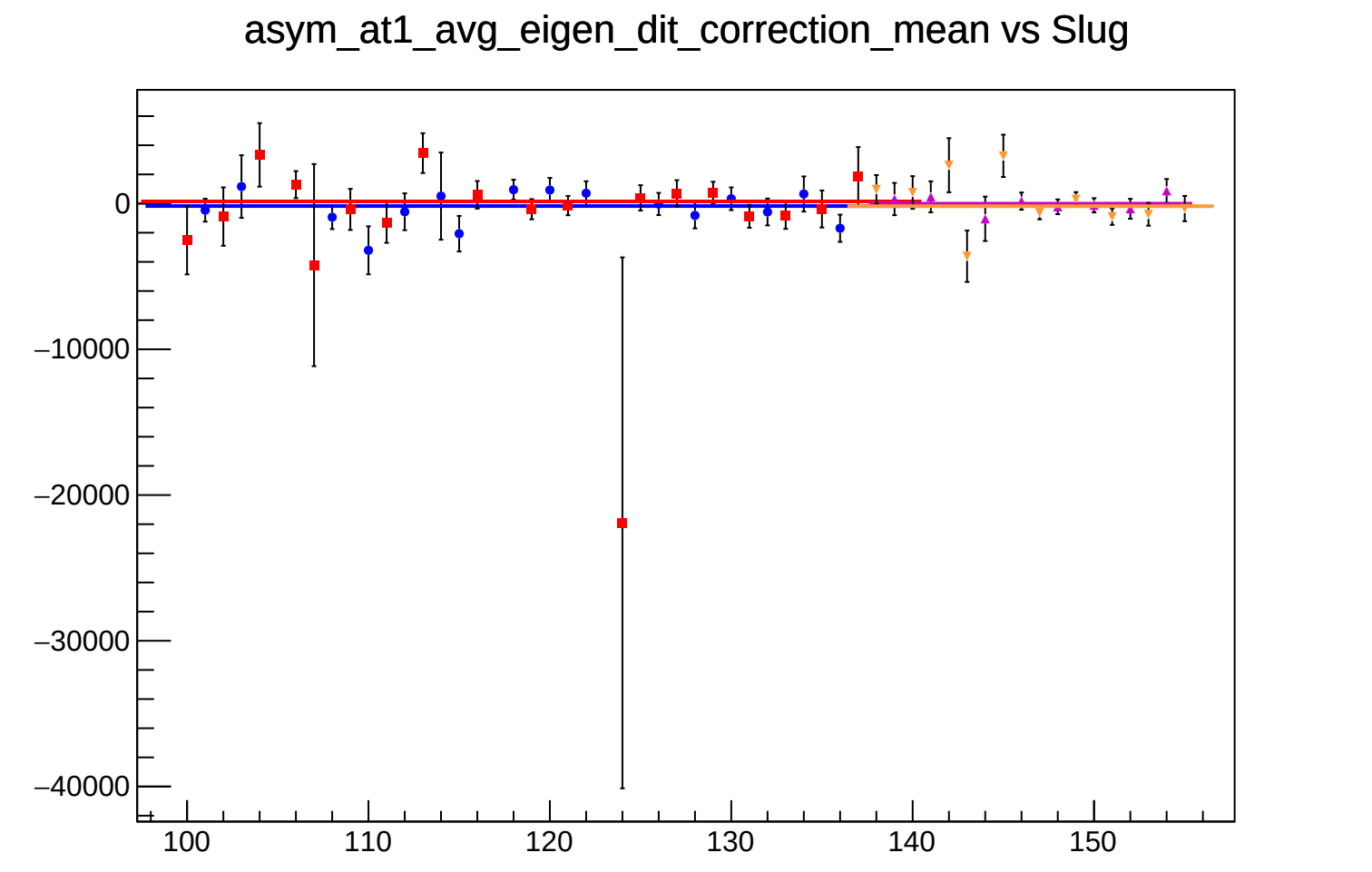
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1813.094+/-0.484 χ^2/NDF:231.0/7

+ sign 1829.696+/-0.338 χ^2/NDF: 896030.1/25

All: 1856.463+/-0.245 χ^2/NDF: 1303521.6/52

- sign 1885.925+/-0.355 χ^2/NDF: 394318.9/26



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -180.556+/-236.454 χ^2/NDF:17.9/9

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

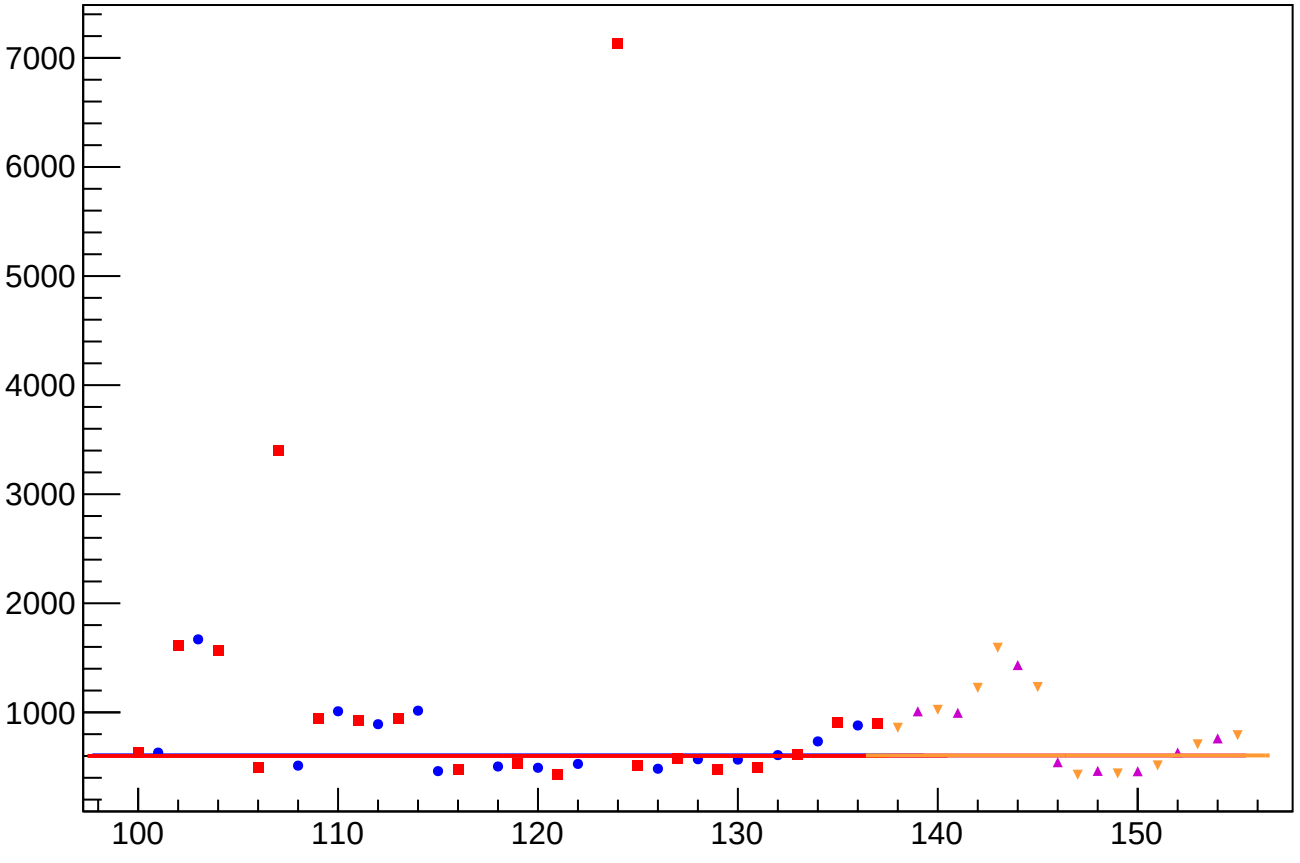
Left In: -7.712+/-244.039 χ^2/NDF:2.5/7

+ sign -175.674+/-167.360 χ^2/NDF: 35.1/25

All: -56.164+/-119.995 χ^2/NDF: 59.0/52

- sign 70.268+/-172.139 χ^2/NDF: 22.8/26

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 604.953+/-0.167 χ^2/NDF:2332941.2/9

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

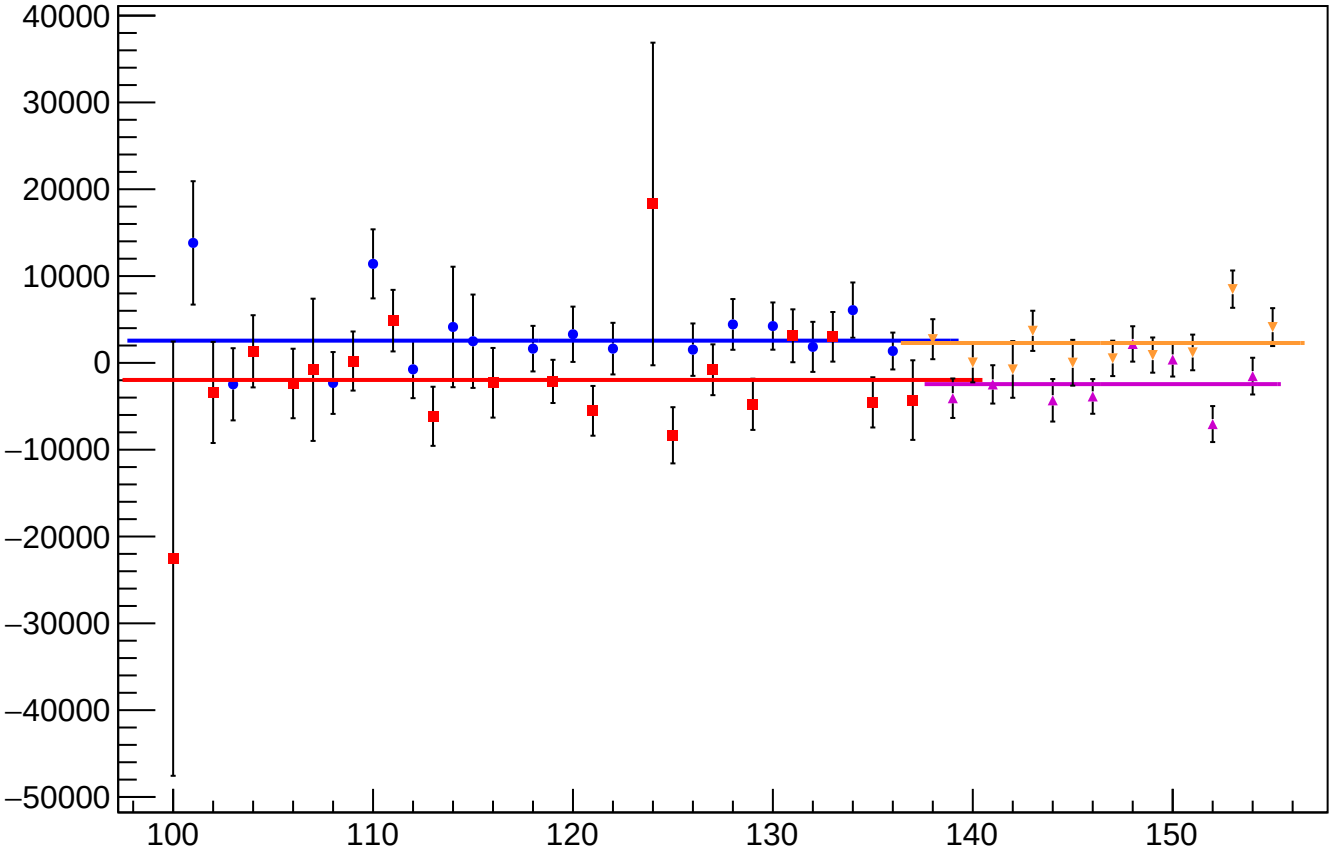
Left In: 604.273+/-0.173 χ^2/NDF:1563283.3/7

+ sign 605.190+/-0.118 χ^2/NDF: 3495407.7/25

All: 603.810+/-0.085 χ^2/NDF: 7387749.9/52

- sign 602.350+/-0.122 χ^2/NDF: 3892062.4/26

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2290.668+/-715.545 χ^2/NDF:13.5/9

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

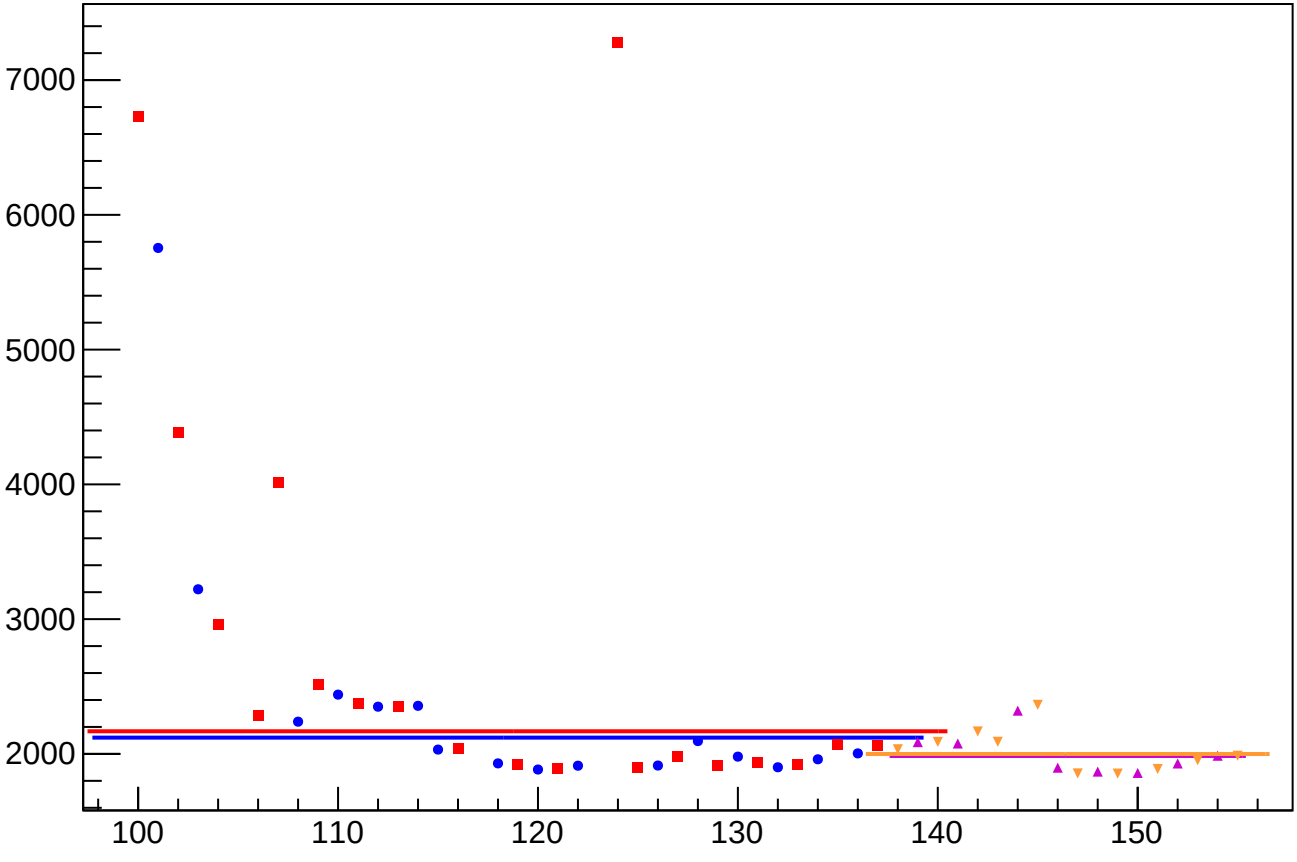
Left In: -2446.610+/-751.180 χ^2/NDF:14.0/7

+ sign 2409.204+/-536.168 χ^2/NDF: 28.2/25

All: 164.846+/-385.123 χ^2/NDF: 100.1/52

- sign -2227.313+/-553.541 χ^2/NDF: 35.7/26

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1999.081+/-0.506 χ^2/NDF:77298.0/9

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

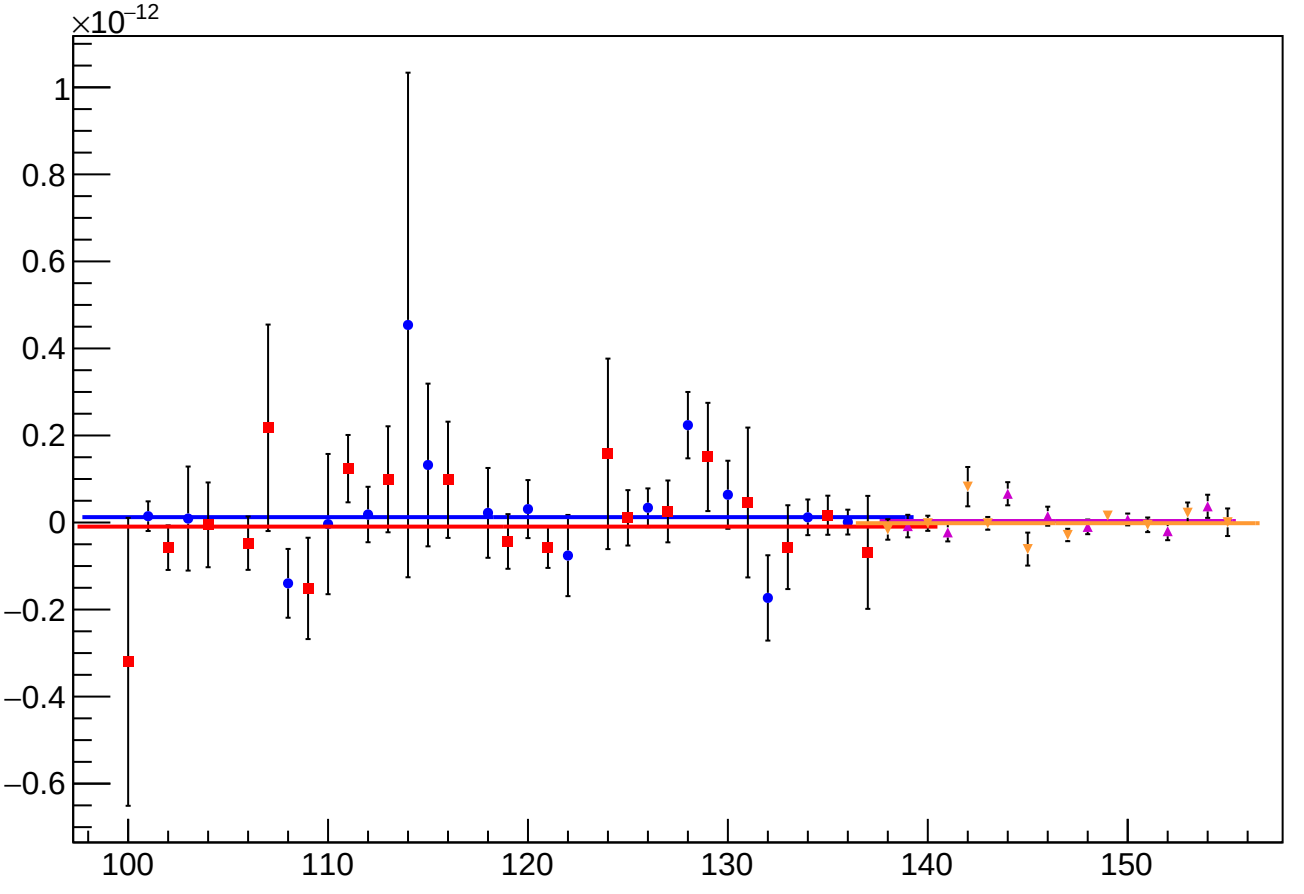
Left In: 1984.738+/-0.531 χ^2/NDF:65184.0/7

+ sign 2052.449+/-0.379 χ^2/NDF: 862636.4/25

All: 2060.176+/-0.272 χ^2/NDF: 1806908.2/52

- sign 2068.413+/-0.391 χ^2/NDF: 943413.5/26

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:13.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

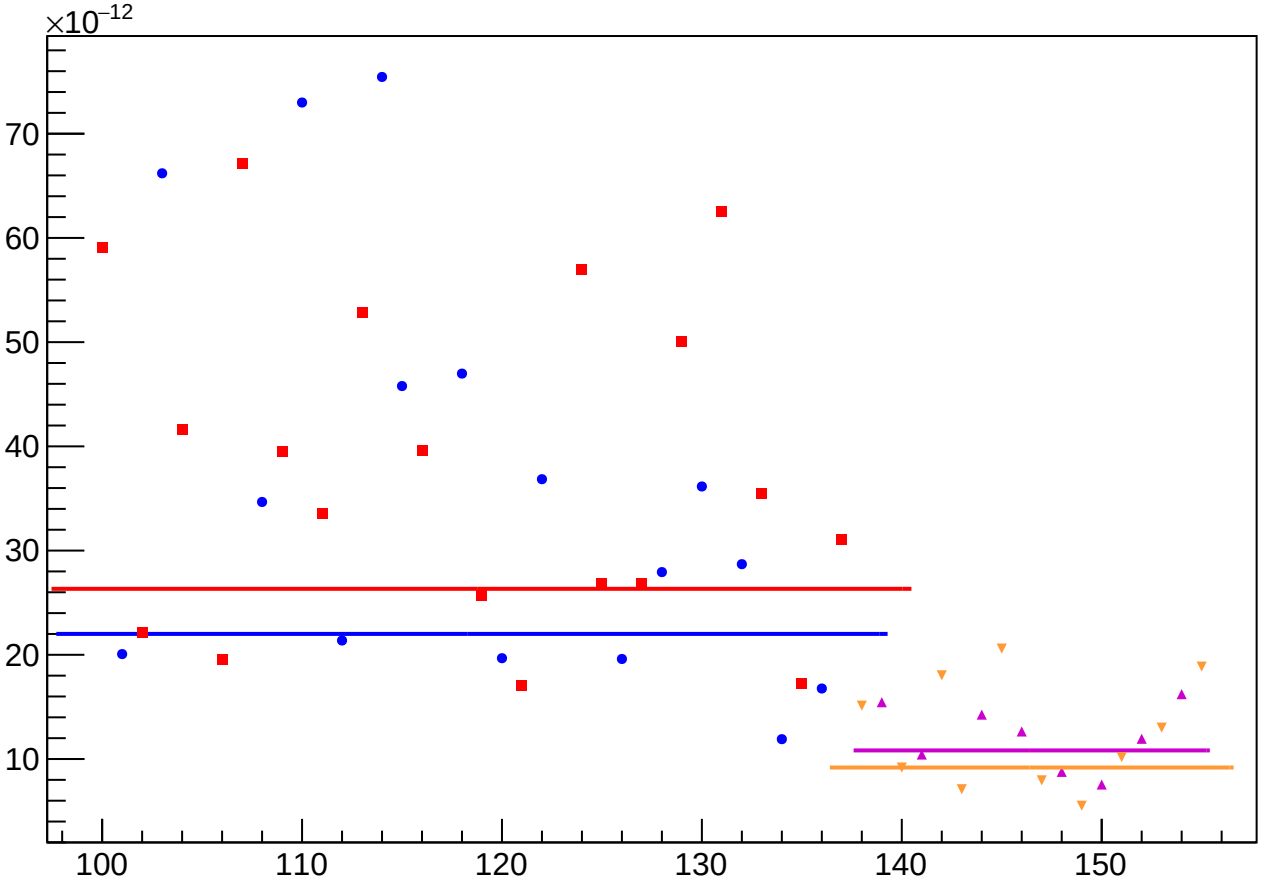
Left In: 0.000+/-0.000 χ^2/NDF:11.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/25

All: 0.000+/-0.000 χ^2/NDF: 57.2/52

- sign 0.000+/-0.000 χ^2/NDF: 25.4/26

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:886339.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

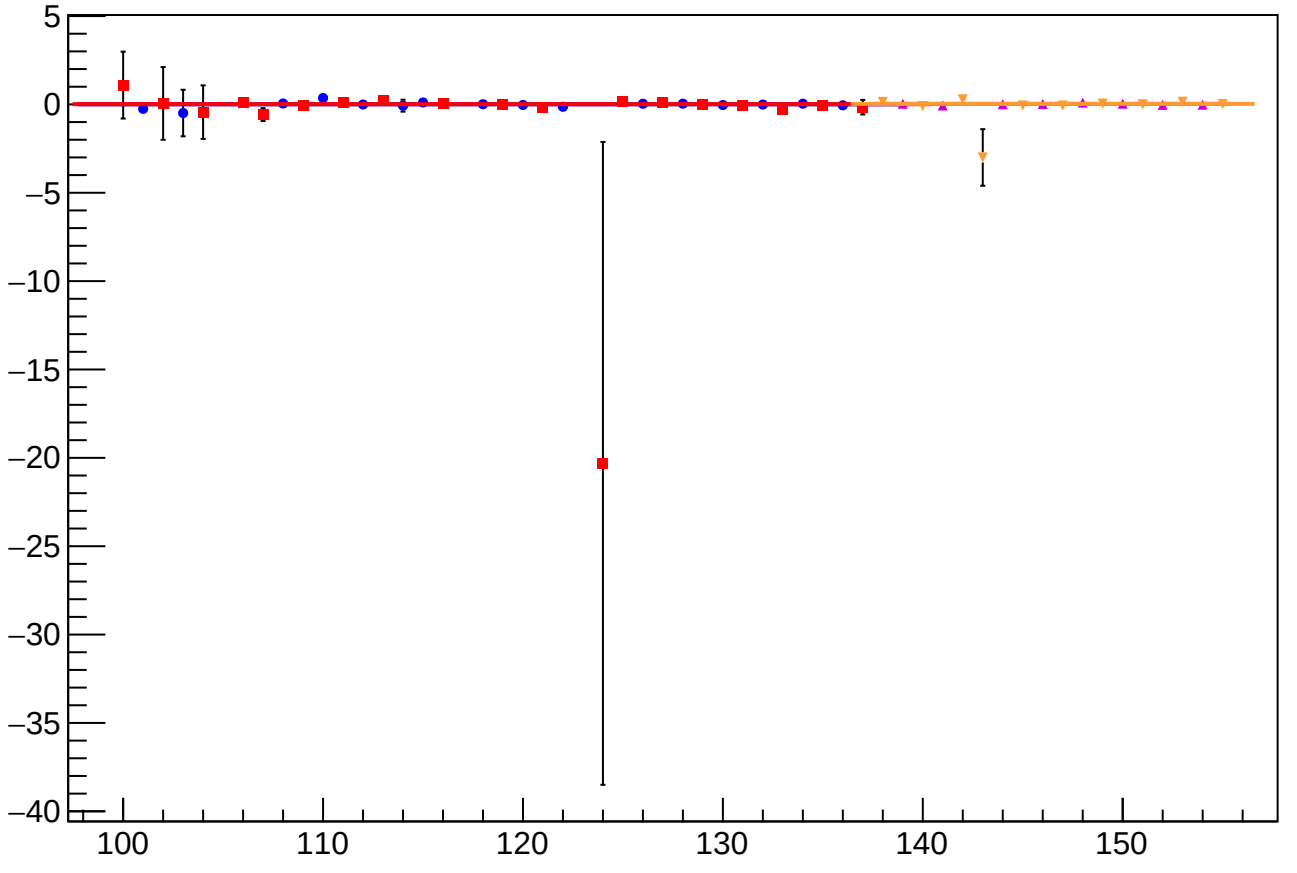
Left In: 0.000+/-0.000 χ^2/NDF:345479.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 3229752.9/25

All: 0.000+/-0.000 χ^2/NDF: 5670301.6/52

- sign 0.000+/-0.000 χ^2/NDF: 2332172.8/26

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.030+/-0.021 χ^2/NDF:20.6/9

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

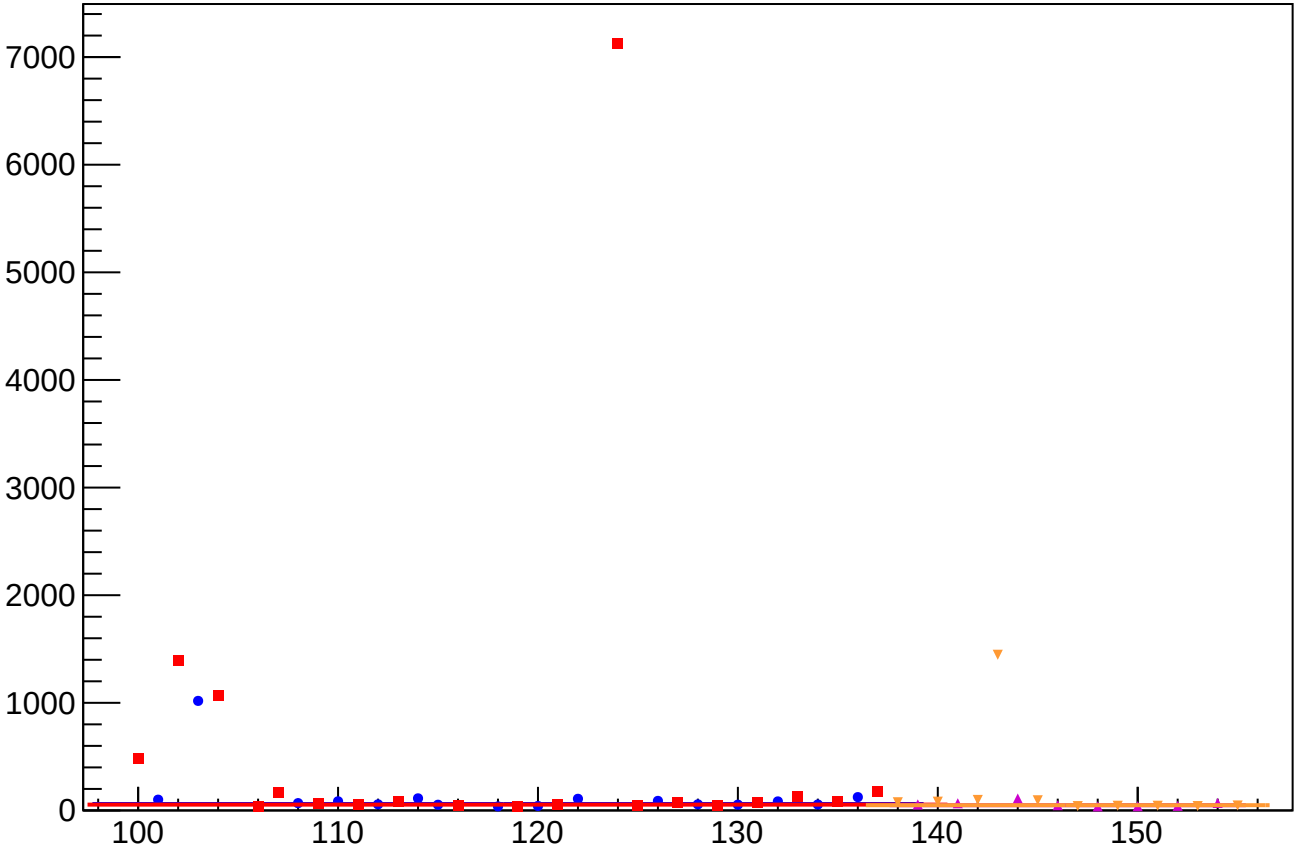
Left In: 0.028+/-0.021 χ^2/NDF:5.7/7

+ sign 0.020+/-0.016 χ^2/NDF: 32.5/25

All: 0.021+/-0.012 χ^2/NDF: 56.0/52

- sign 0.022+/-0.016 χ^2/NDF: 23.5/26

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 48.955+/-0.015 χ^2/NDF:2620968.0/9

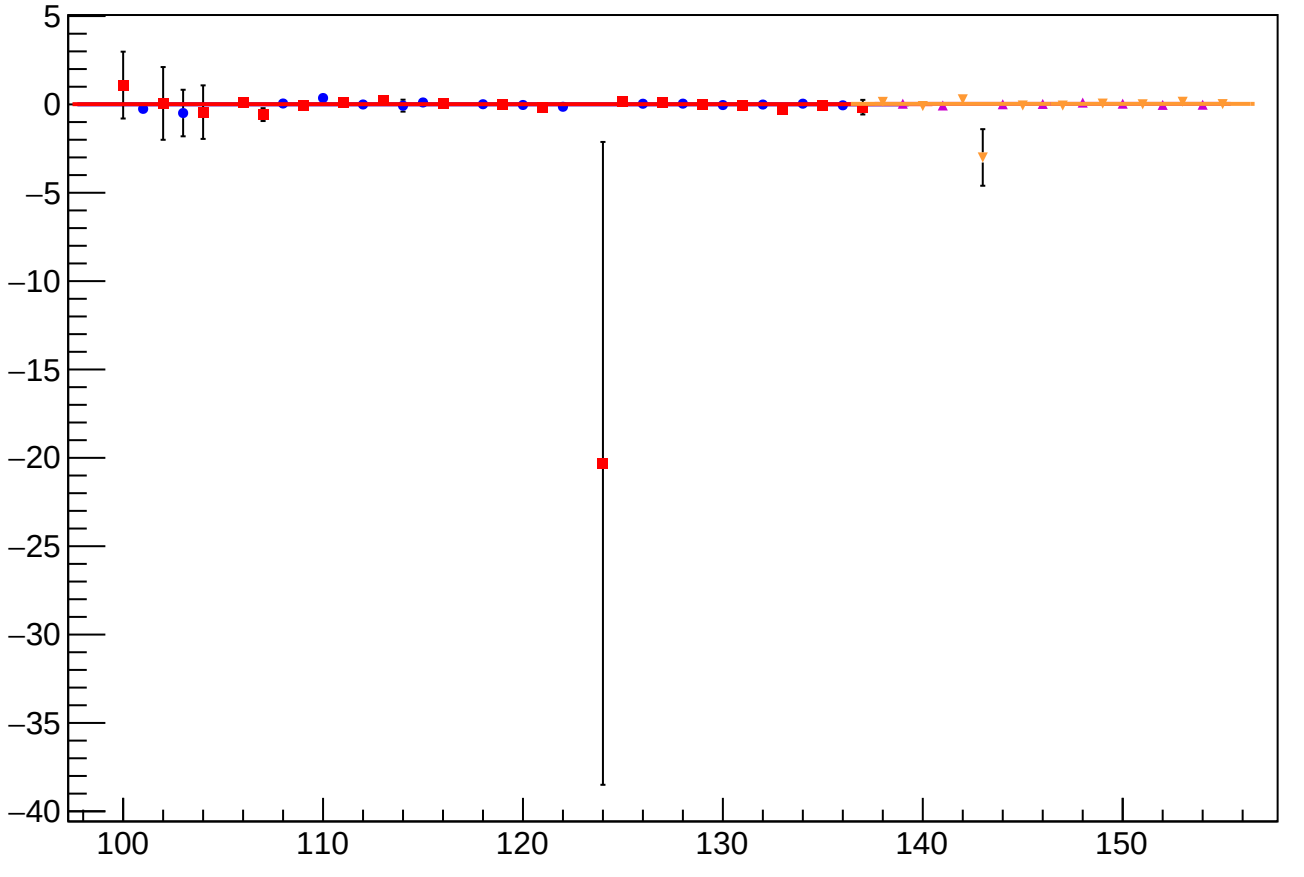
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 48.958+/-0.015 χ^2/NDF:1038475.4/7

+ sign 53.044+/-0.012 χ^2/NDF: 5367075.9/25

All: 52.026+/-0.008 χ^2/NDF: 9993459.9/52

- sign 51.034+/-0.011 χ^2/NDF: 4611119.6/26



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.030+/-0.021 χ^2/NDF:20.6/9

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

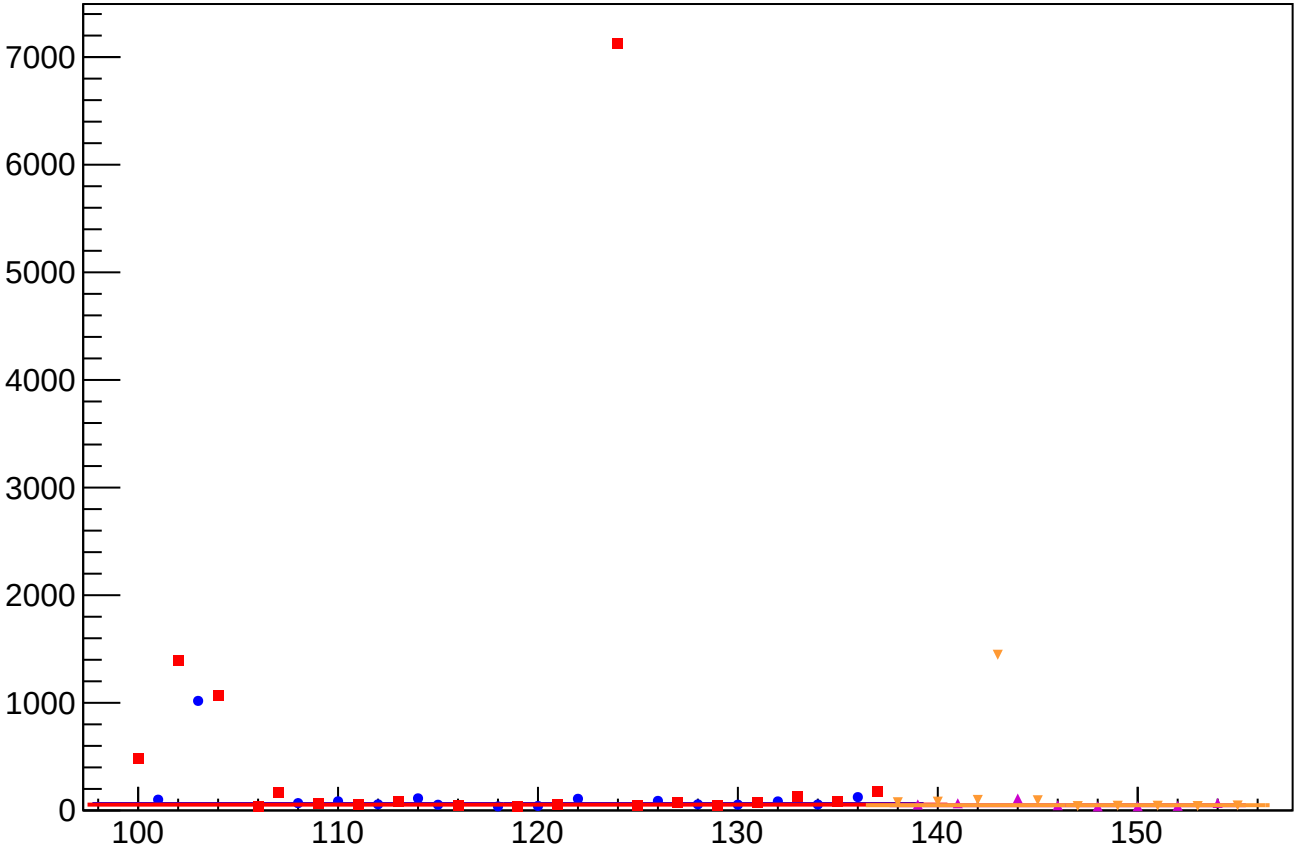
Left In: 0.028+/-0.021 χ^2/NDF:5.7/7

+ sign 0.020+/-0.016 χ^2/NDF: 32.5/25

All: 0.021+/-0.012 χ^2/NDF: 56.0/52

- sign 0.022+/-0.016 χ^2/NDF: 23.5/26

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: 48.955+/-0.015 χ^2/NDF:2620968.0/9

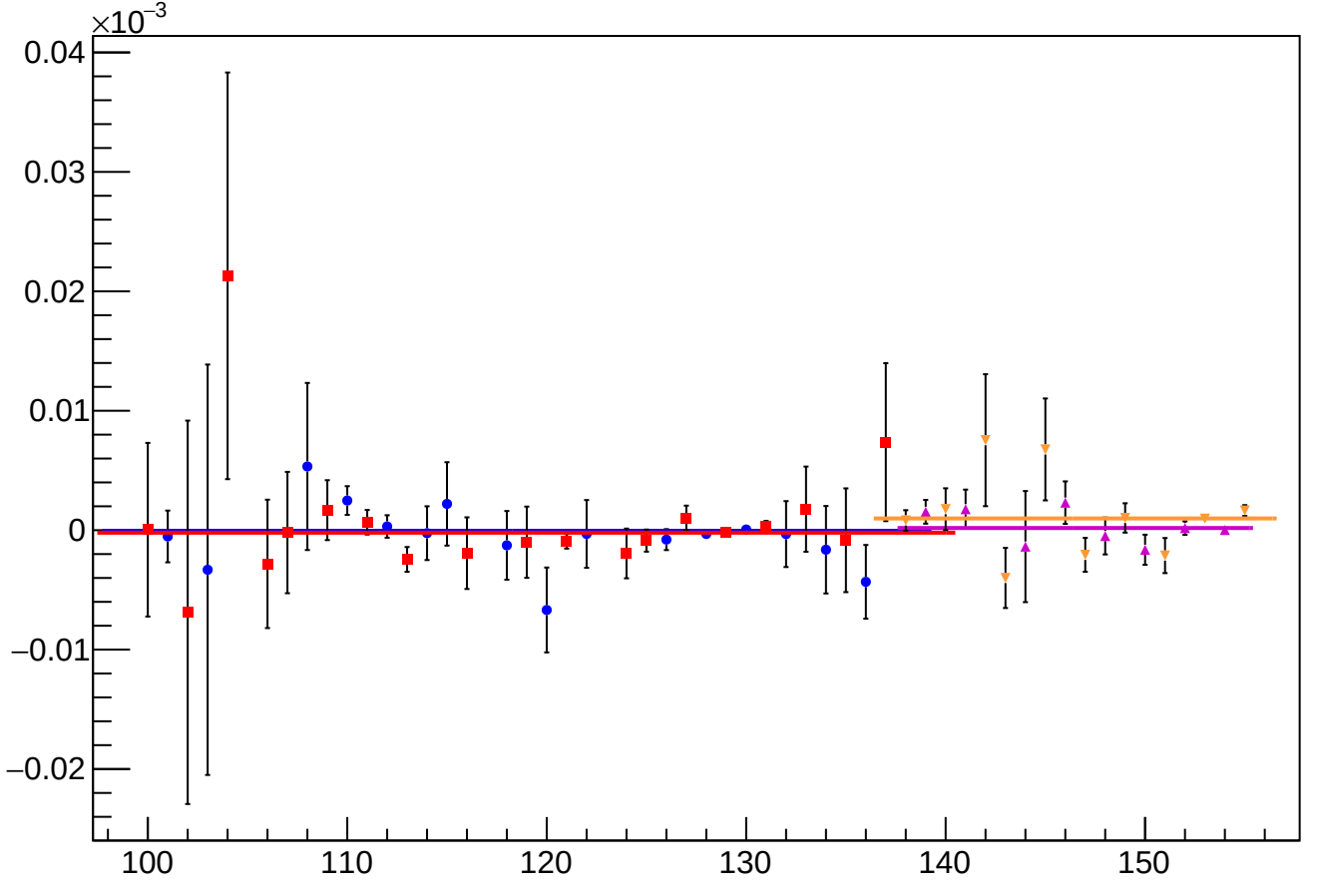
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 48.958+/-0.015 χ^2/NDF:1038475.4/7

+ sign 53.044+/-0.012 χ^2/NDF: 5367075.9/25

All: 52.026+/-0.008 χ^2/NDF: 9993459.9/52

- sign 51.034+/-0.011 χ^2/NDF: 4611119.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

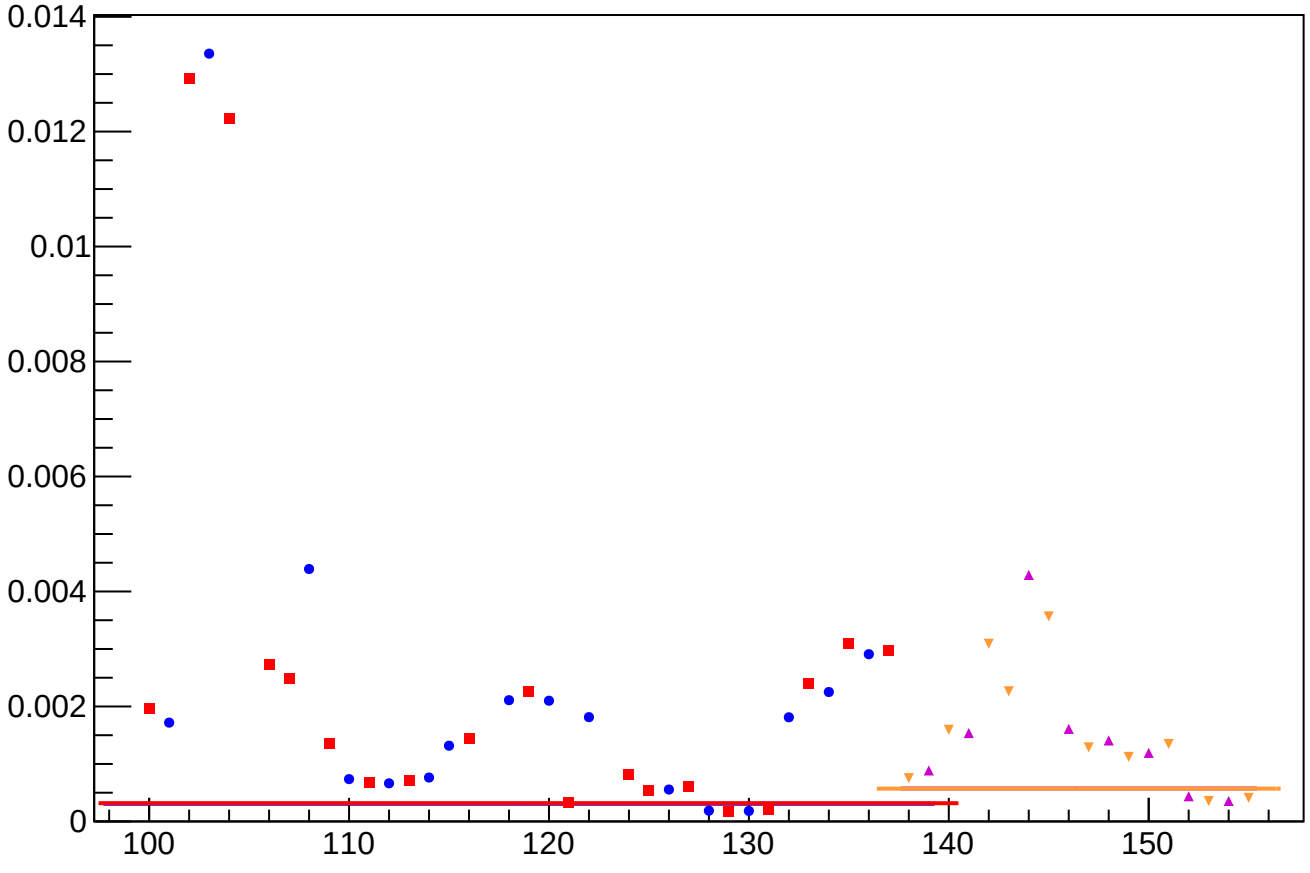
Left In: 0.000+/-0.000 χ^2/NDF:6.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/25

All: 0.000+/-0.000 χ^2/NDF: 68.8/52

- sign -0.000+/-0.000 χ^2/NDF: 23.7/26

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:5417337.2/9

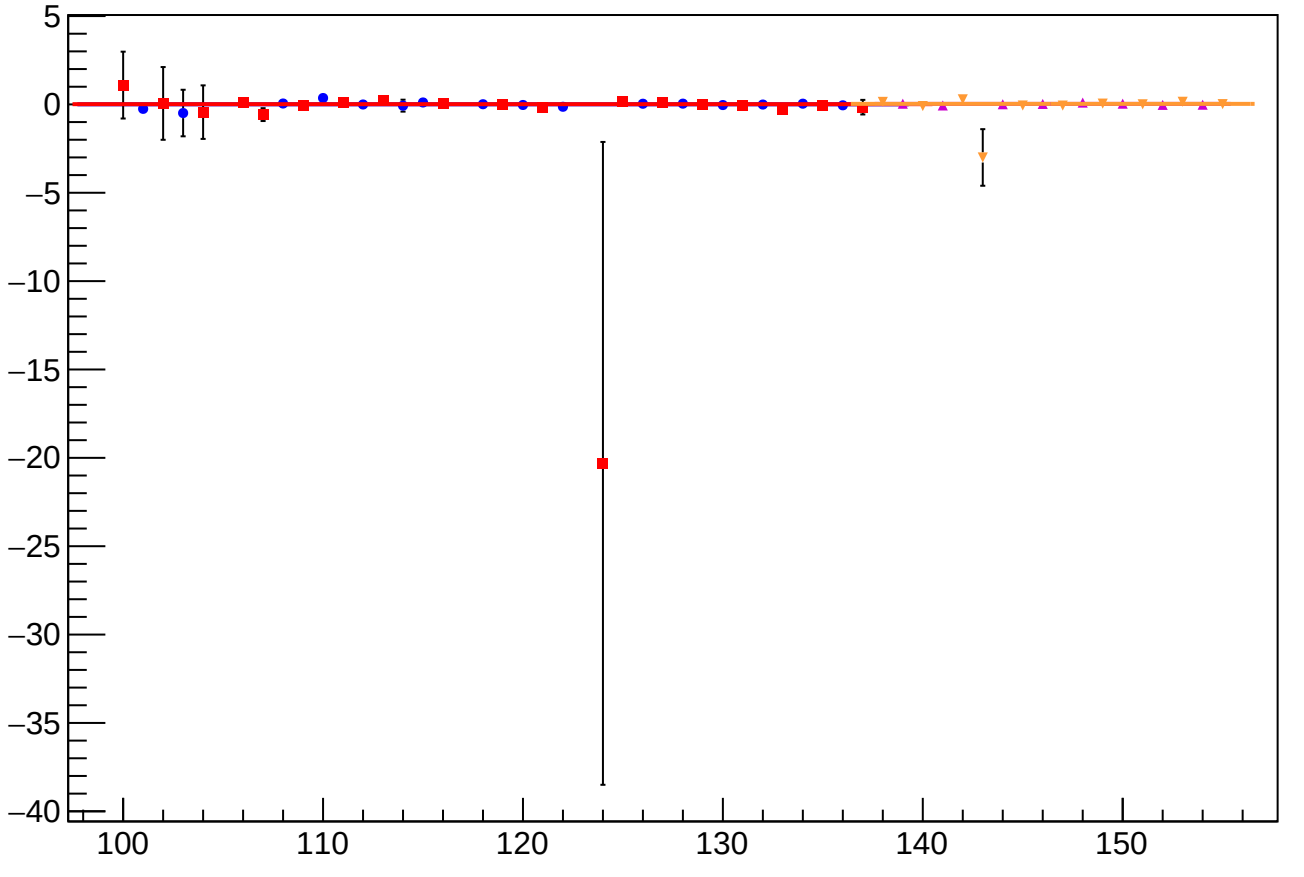
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:4679684.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 15491987.1/25

All: 0.000+/-0.000 χ^2/NDF: 29324993.8/52

- sign 0.000+/-0.000 χ^2/NDF: 13832716.6/26



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.030+/-0.021 χ^2/NDF:20.6/9

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

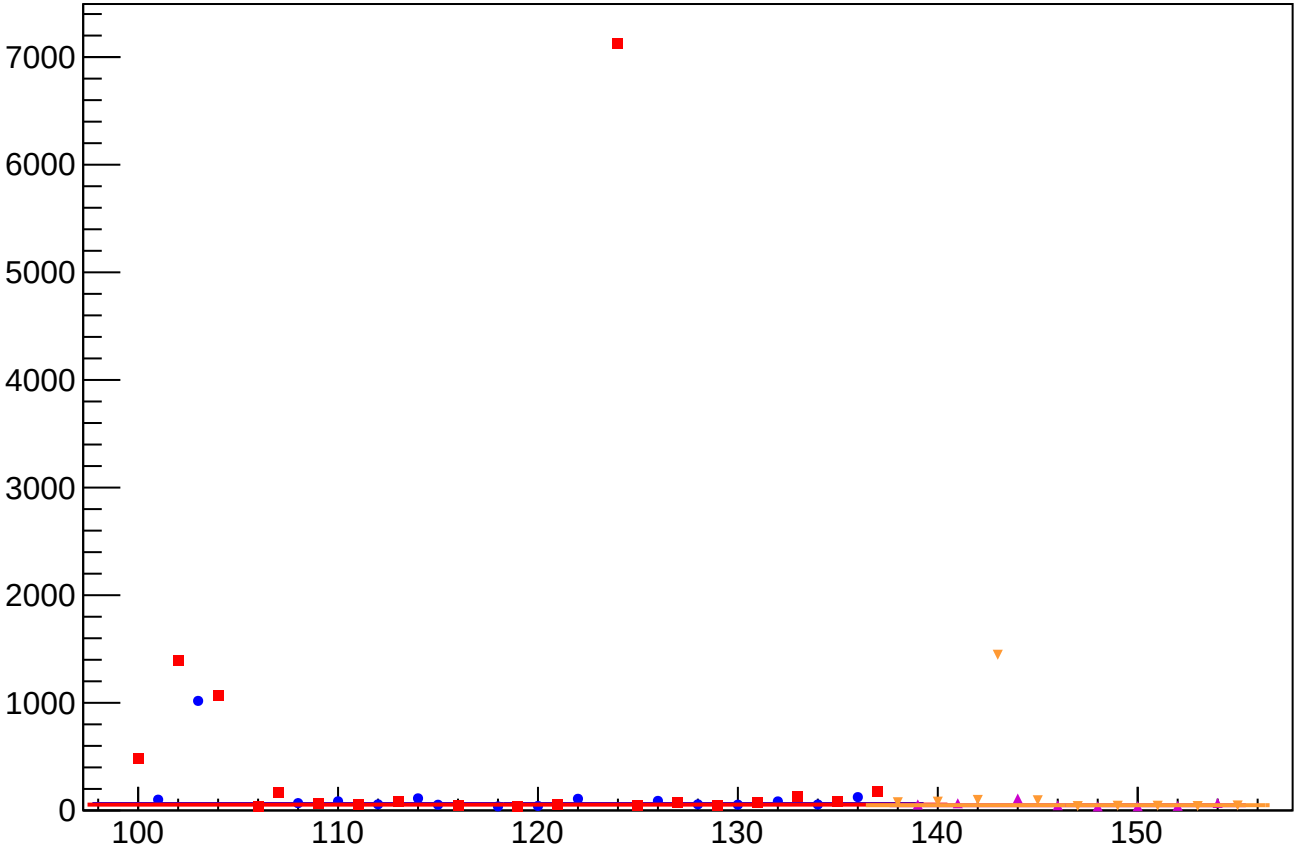
Left In: 0.028+/-0.021 χ^2/NDF:5.7/7

+ sign 0.020+/-0.016 χ^2/NDF: 32.5/25

All: 0.021+/-0.012 χ^2/NDF: 56.0/52

- sign 0.022+/-0.016 χ^2/NDF: 23.5/26

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: 48.955+/-0.015 χ^2/NDF:2620951.8/9

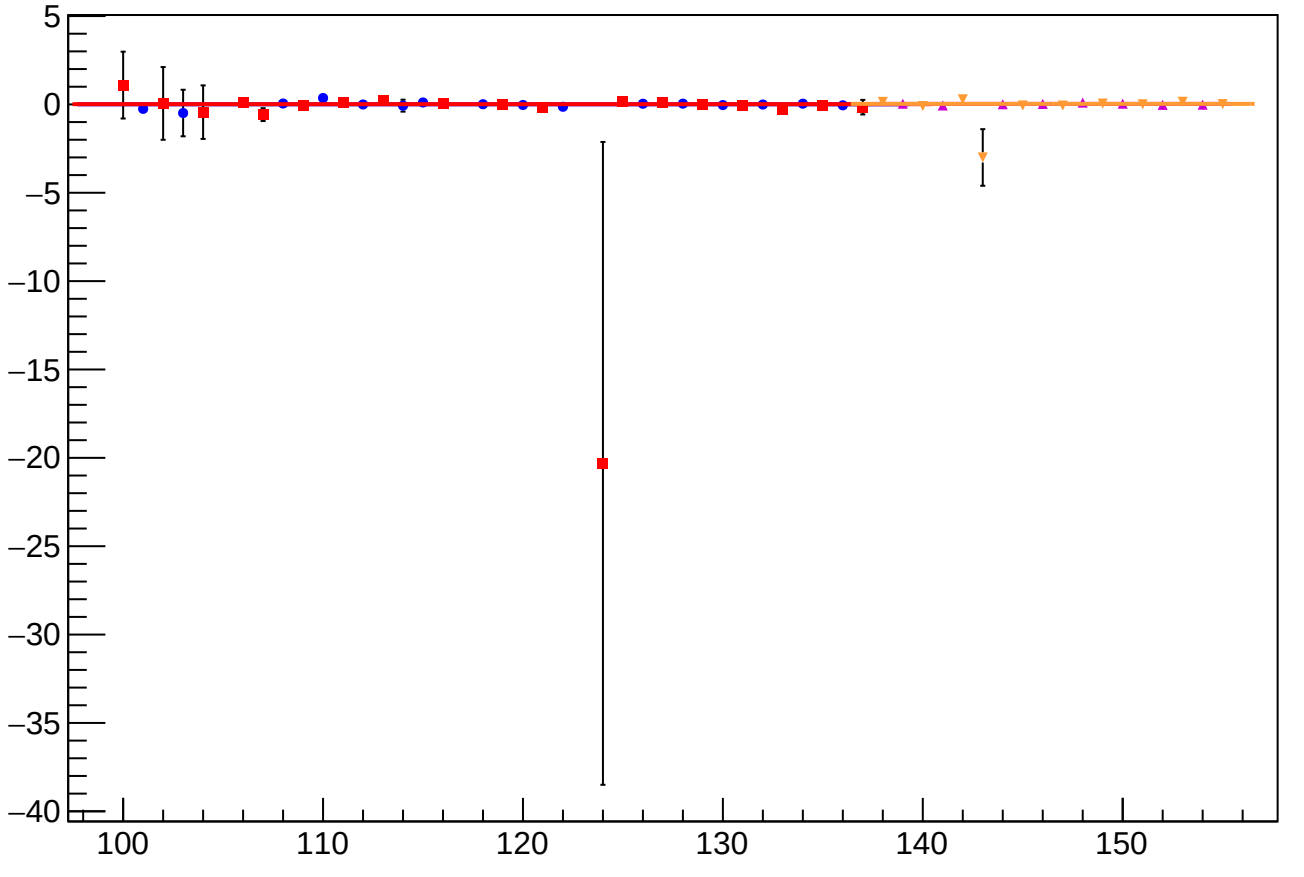
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 48.958+/-0.015 χ^2/NDF:1038476.4/7

+ sign 53.044+/-0.012 χ^2/NDF: 5367058.3/25

All: 52.026+/-0.008 χ^2/NDF: 9993490.6/52

- sign 51.033+/-0.011 χ^2/NDF: 4611161.0/26



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.030+/-0.021 χ^2/NDF:20.6/9

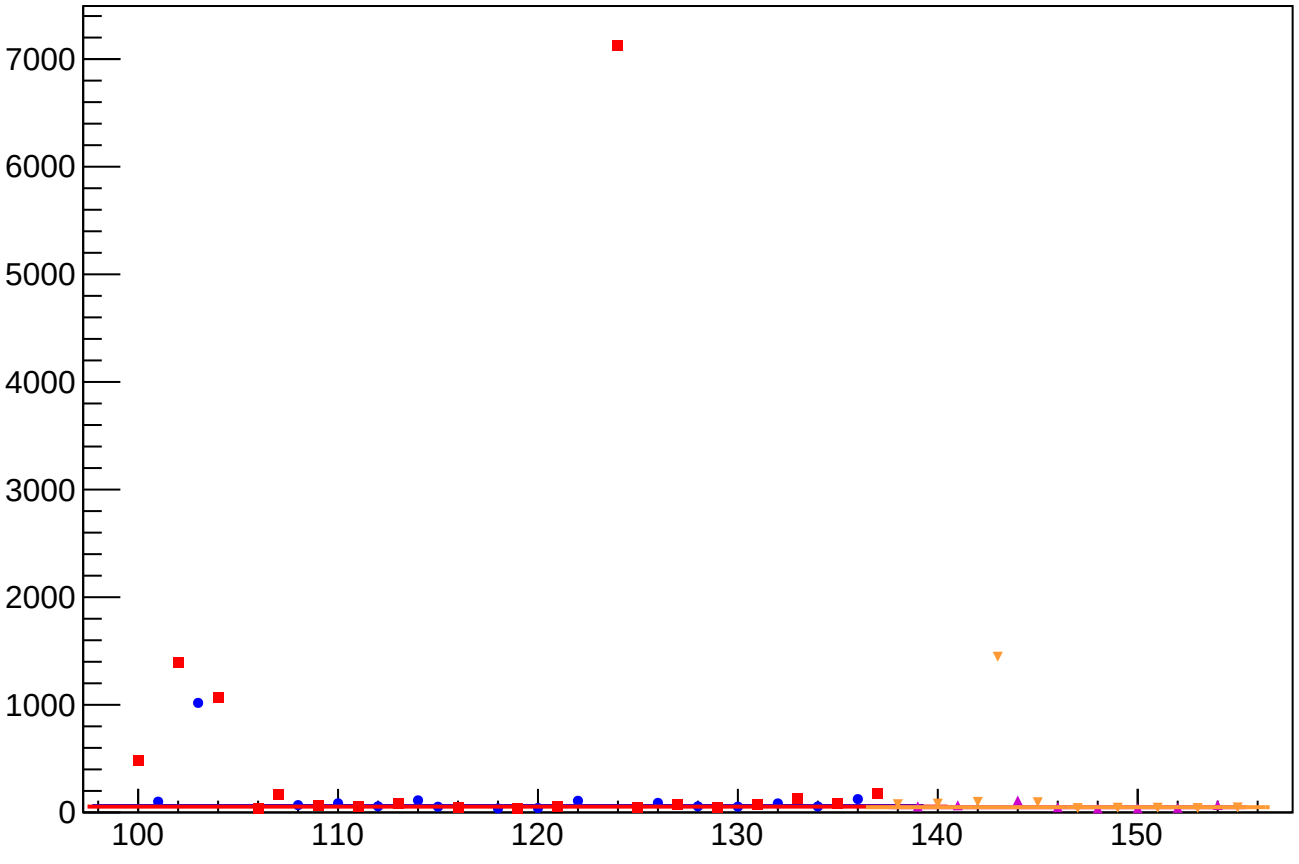
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.028+/-0.021 χ^2/NDF:5.7/7

+ sign 0.020+/-0.016 χ^2/NDF: 32.5/25

All: 0.021+/-0.012 χ^2/NDF: 56.0/52

- sign 0.022+/-0.016 χ^2/NDF: 23.5/26



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 48.955+/-0.015 χ^2/NDF:2620951.8/9

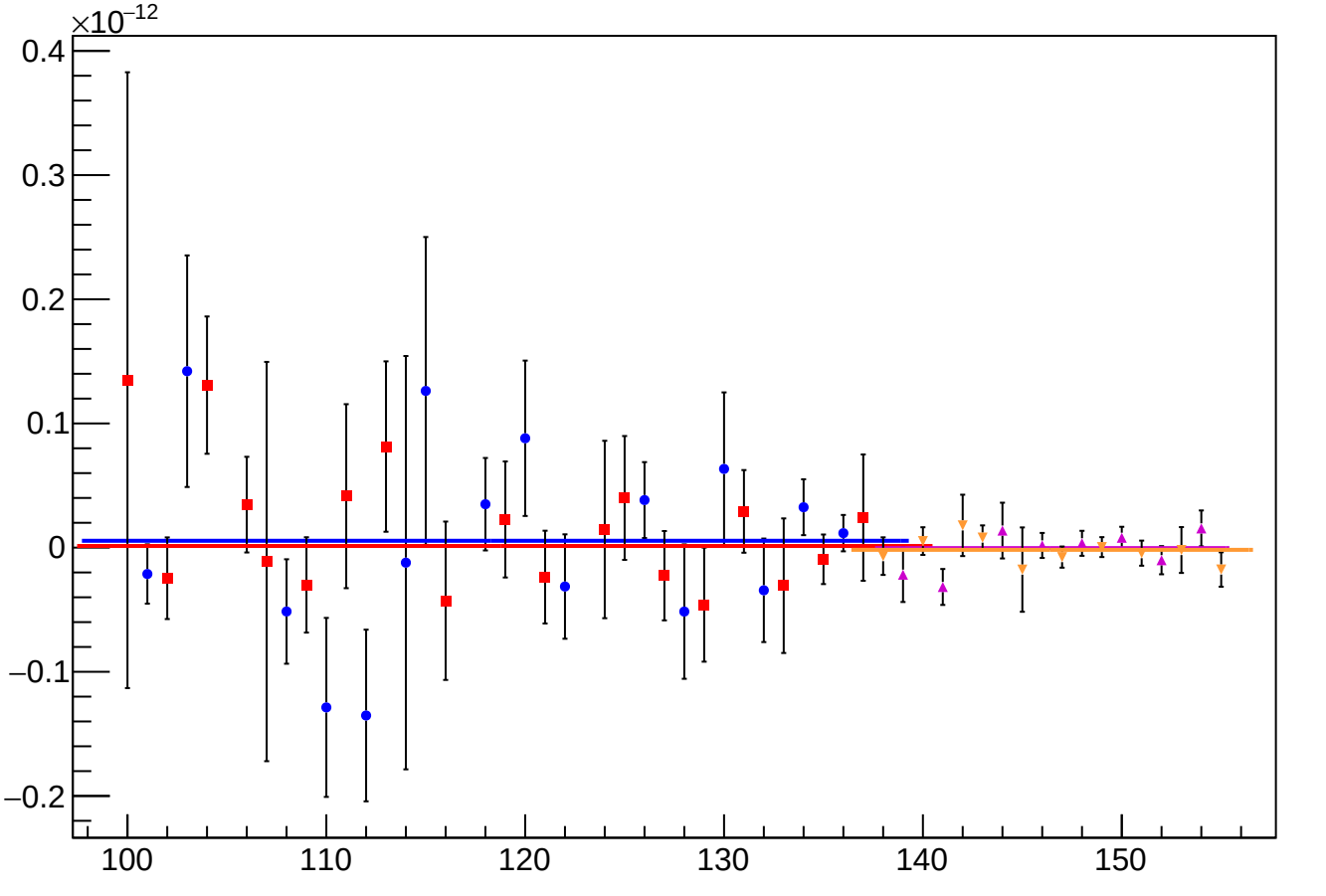
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 48.958+/-0.015 χ^2/NDF:1038476.4/7

+ sign 53.044+/-0.012 χ^2/NDF: 5367058.3/25

All: 52.026+/-0.008 χ^2/NDF: 9993490.6/52

- sign 51.033+/-0.011 χ^2/NDF: 4611161.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

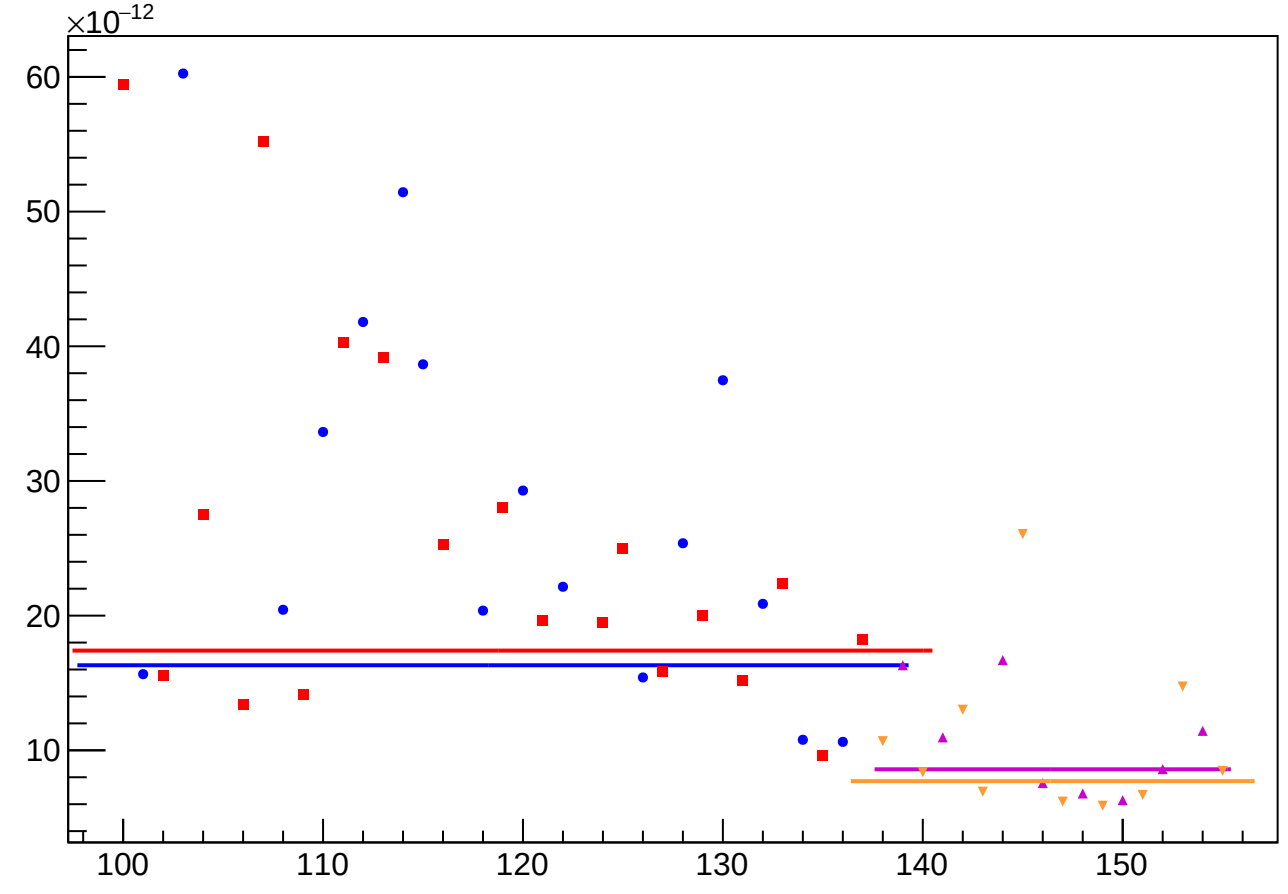
Left In: -0.000+/-0.000 χ^2/NDF:9.0/7

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/25

All: -0.000+/-0.000 χ^2/NDF: 50.9/52

- sign -0.000+/-0.000 χ^2/NDF: 23.4/26

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1255958.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

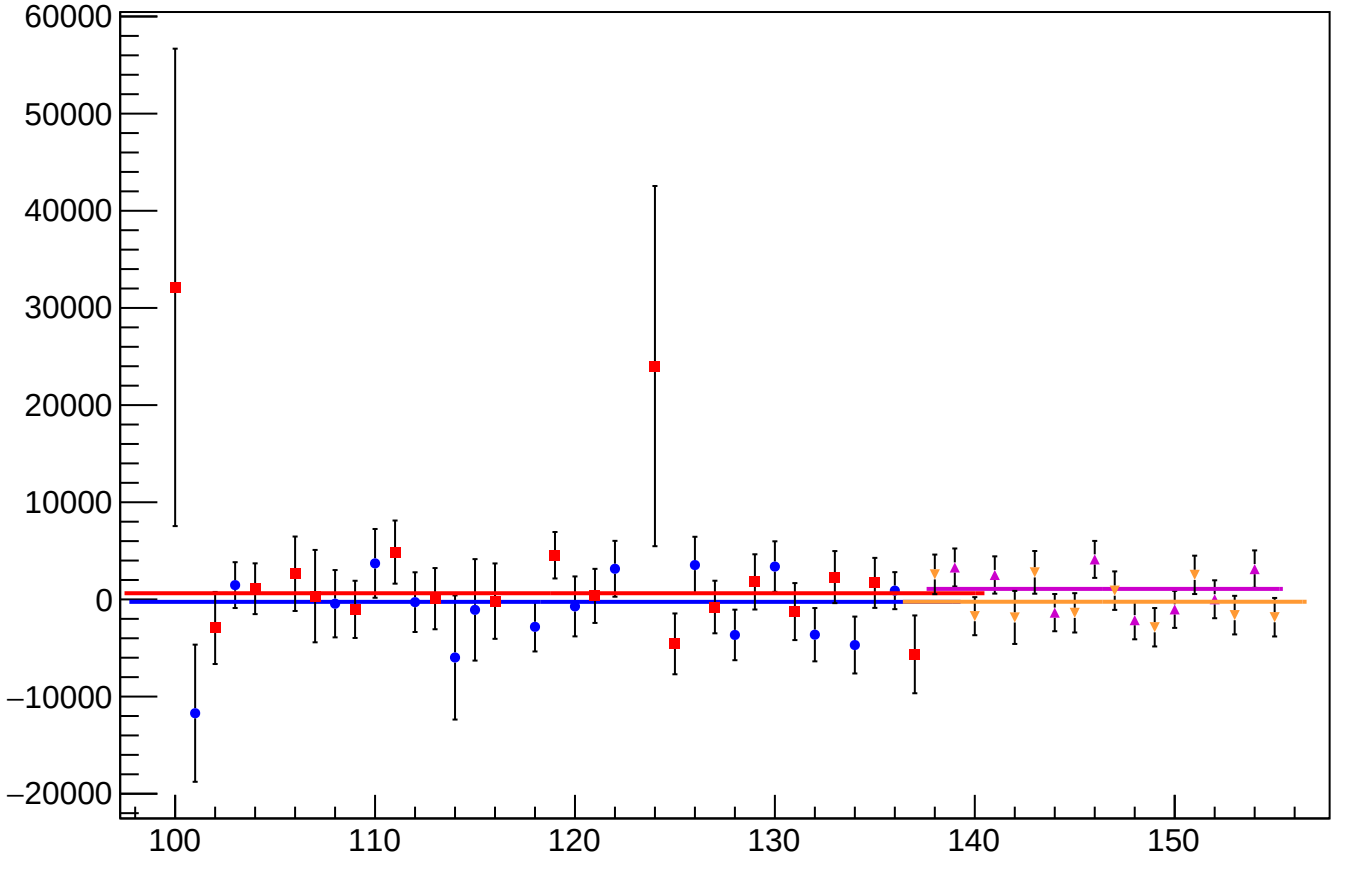
Left In: 0.000+/-0.000 χ^2/NDF:858175.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 4823587.3/25

All: 0.000+/-0.000 χ^2/NDF: 8310086.2/52

- sign 0.000+/-0.000 χ^2/NDF: 3416634.9/26

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -239.828+/-650.756 χ^2/NDF:10.2/9

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

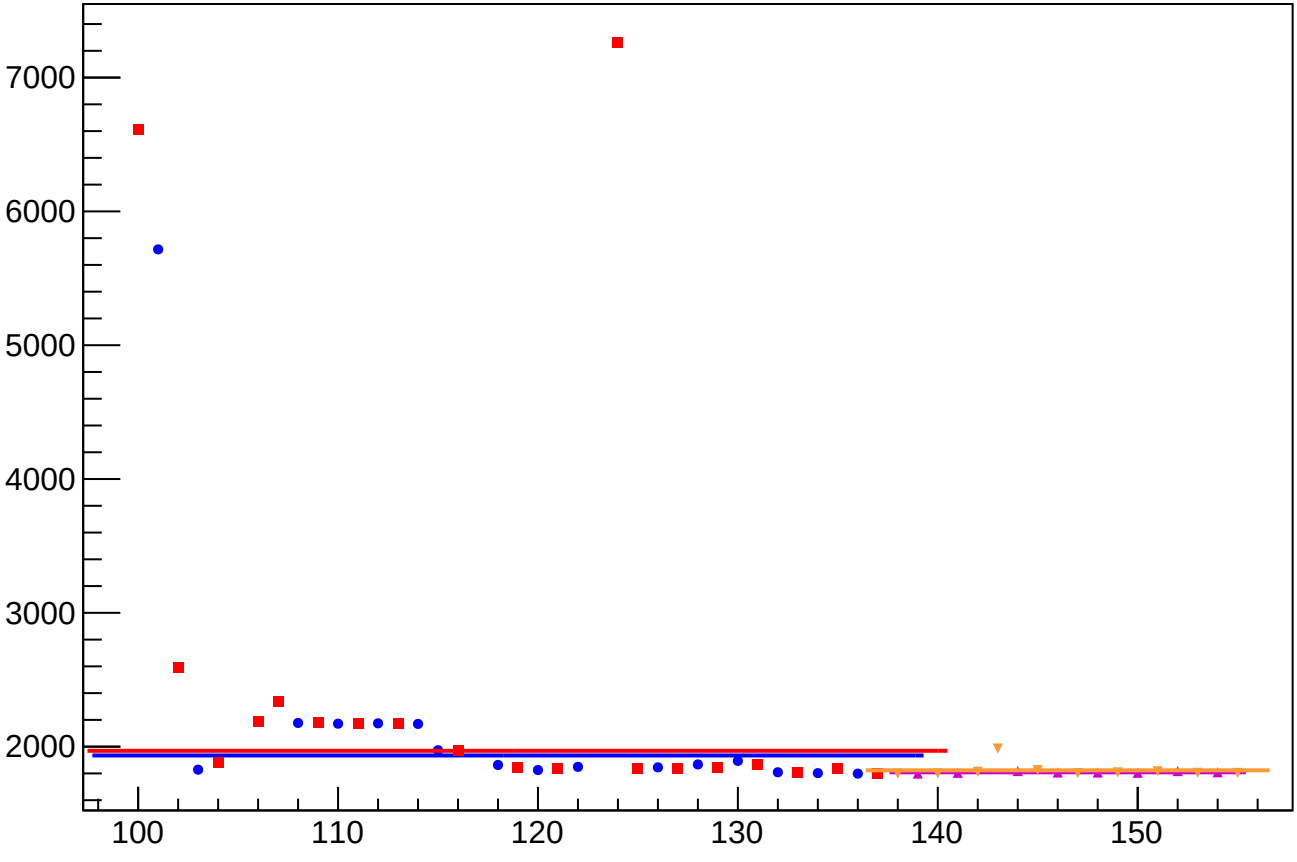
Left In: 1082.179+/-682.388 χ^2/NDF:11.3/7

+ sign -244.867+/-487.261 χ^2/NDF: 27.5/25

All: 300.748+/-349.043 χ^2/NDF: 57.5/52

- sign 875.810+/-500.238 χ^2/NDF: 27.4/26

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1823.282+/-0.460 χ^2/NDF:12254.3/9

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

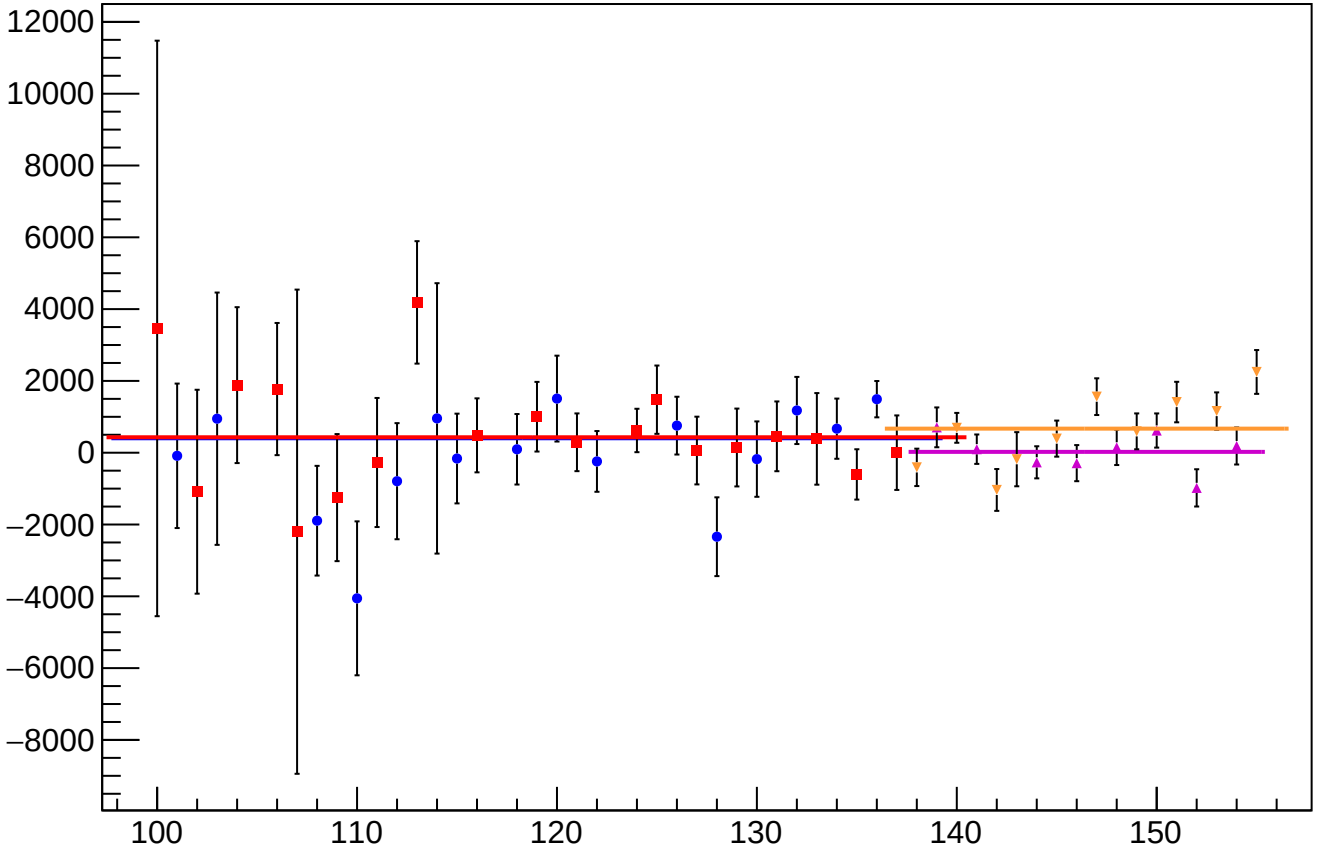
Left In: 1808.202+/-0.483 χ^2/NDF:158.7/7

+ sign 1872.022+/-0.345 χ^2/NDF: 677709.6/25

All: 1877.212+/-0.247 χ^2/NDF: 1108218.0/52

- sign 1882.683+/-0.354 χ^2/NDF: 430042.3/26

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 670.645+/-167.859 χ^2/NDF:26.8/9

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

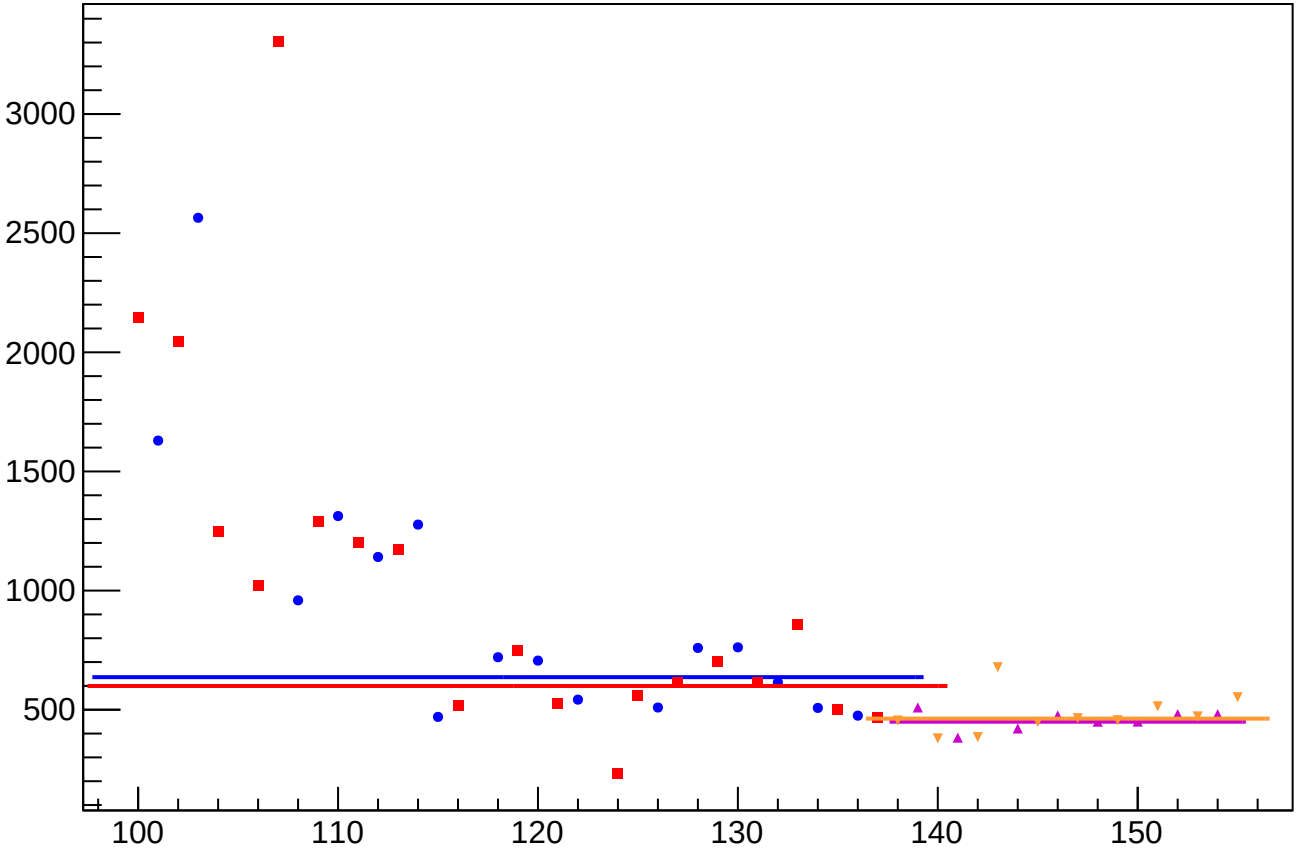
Left In: 23.544+/-171.049 χ^2/NDF:7.8/7

+ sign 591.183+/-140.794 χ^2/NDF: 48.7/25

All: 372.554+/-99.865 χ^2/NDF: 74.9/52

- sign 151.192+/-141.671 χ^2/NDF: 21.3/26

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 462.729+/-0.119 χ^2/NDF:341433.6/9

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

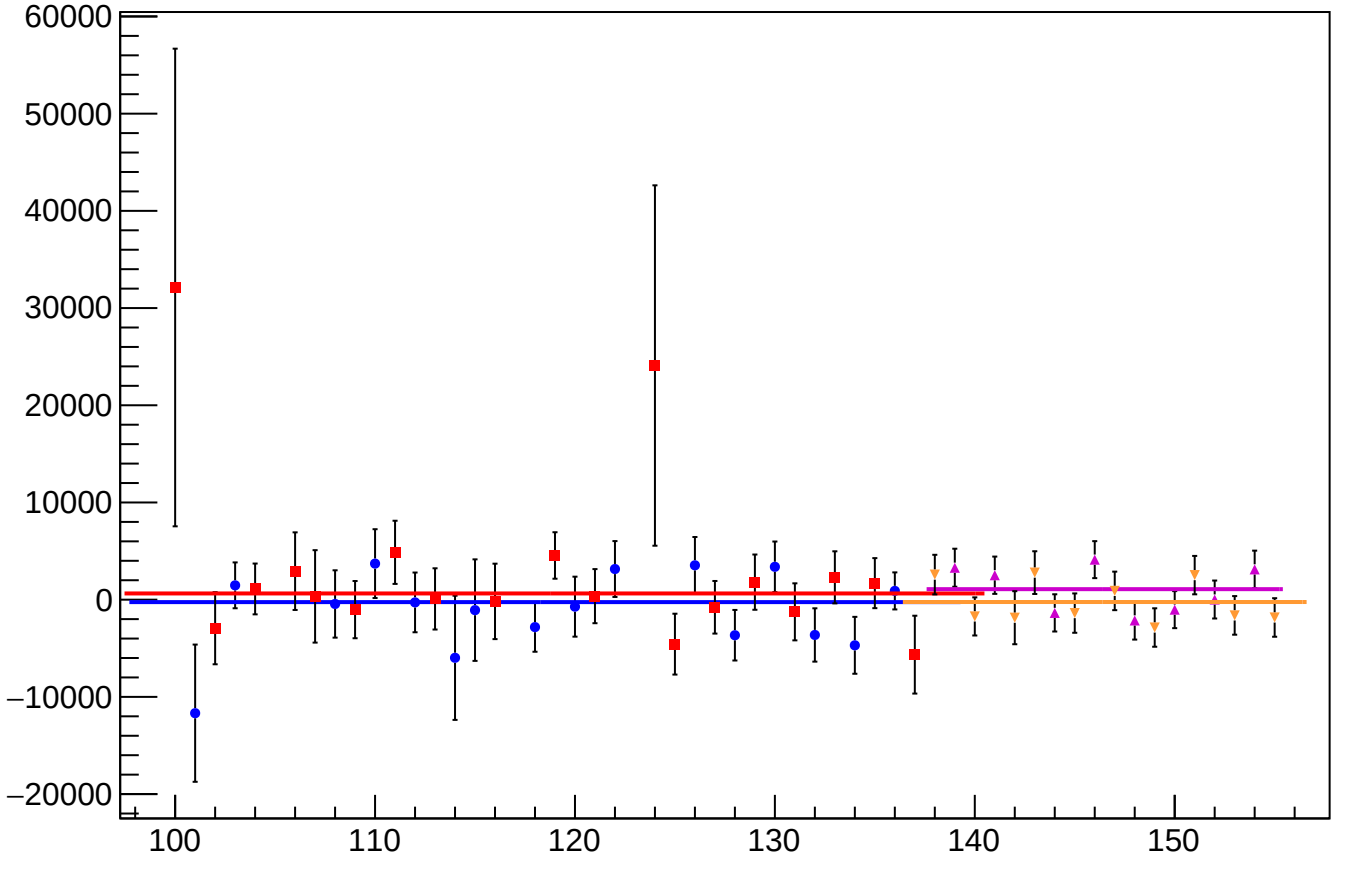
Left In: 449.752+/-0.121 χ^2/NDF:105504.4/7

+ sign 514.308+/-0.100 χ^2/NDF: 3045250.3/25

All: 505.615+/-0.071 χ^2/NDF: 6592372.2/52

- sign 496.814+/-0.100 χ^2/NDF: 3531778.6/26

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -239.903+/-650.756 χ^2/NDF:10.2/9

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

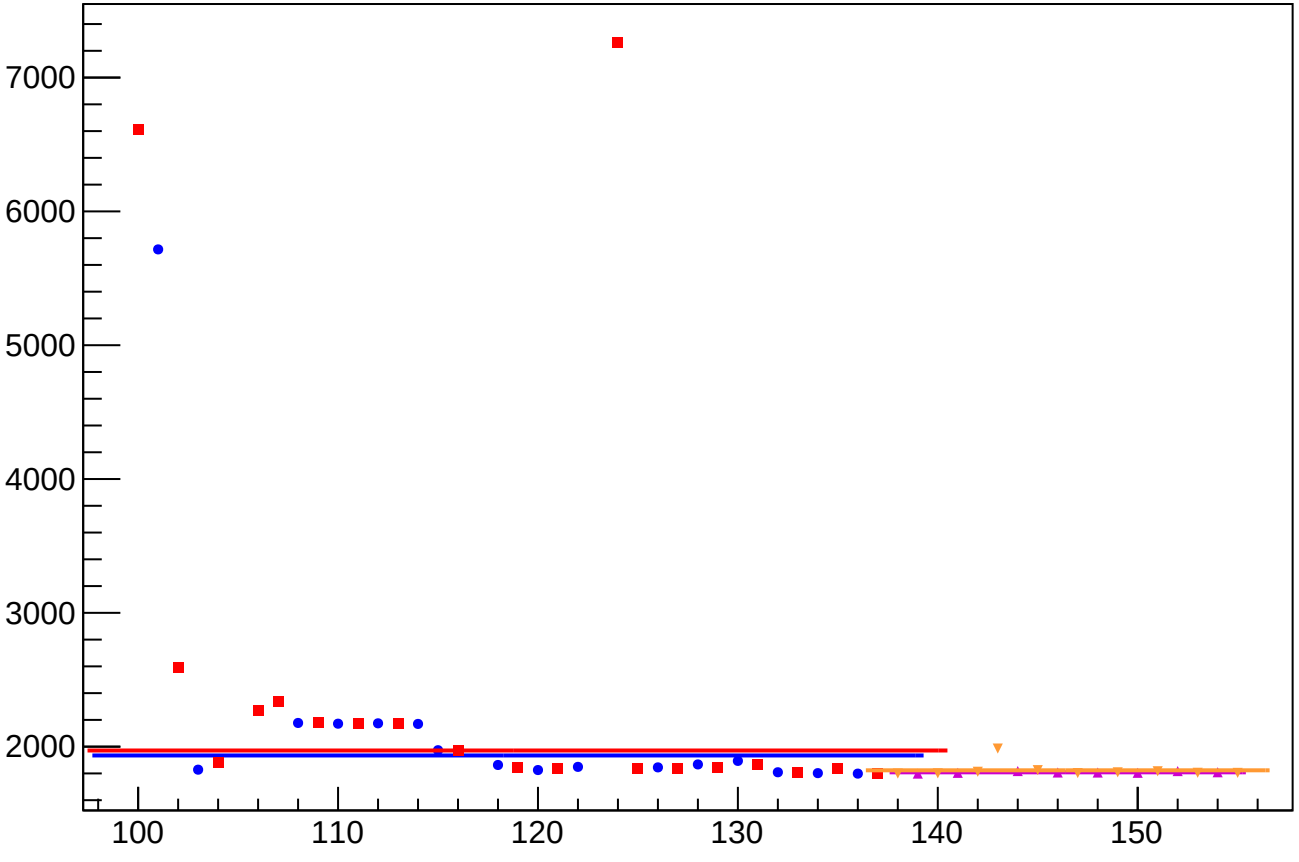
Left In: 1082.145+/-682.388 χ^2/NDF:11.3/7

+ sign -244.553+/-487.261 χ^2/NDF: 27.5/25

All: 301.755+/-349.157 χ^2/NDF: 57.5/52

- sign 878.324+/-500.574 χ^2/NDF: 27.5/26

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1823.282+/-0.460 χ^2/NDF:12254.3/9

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

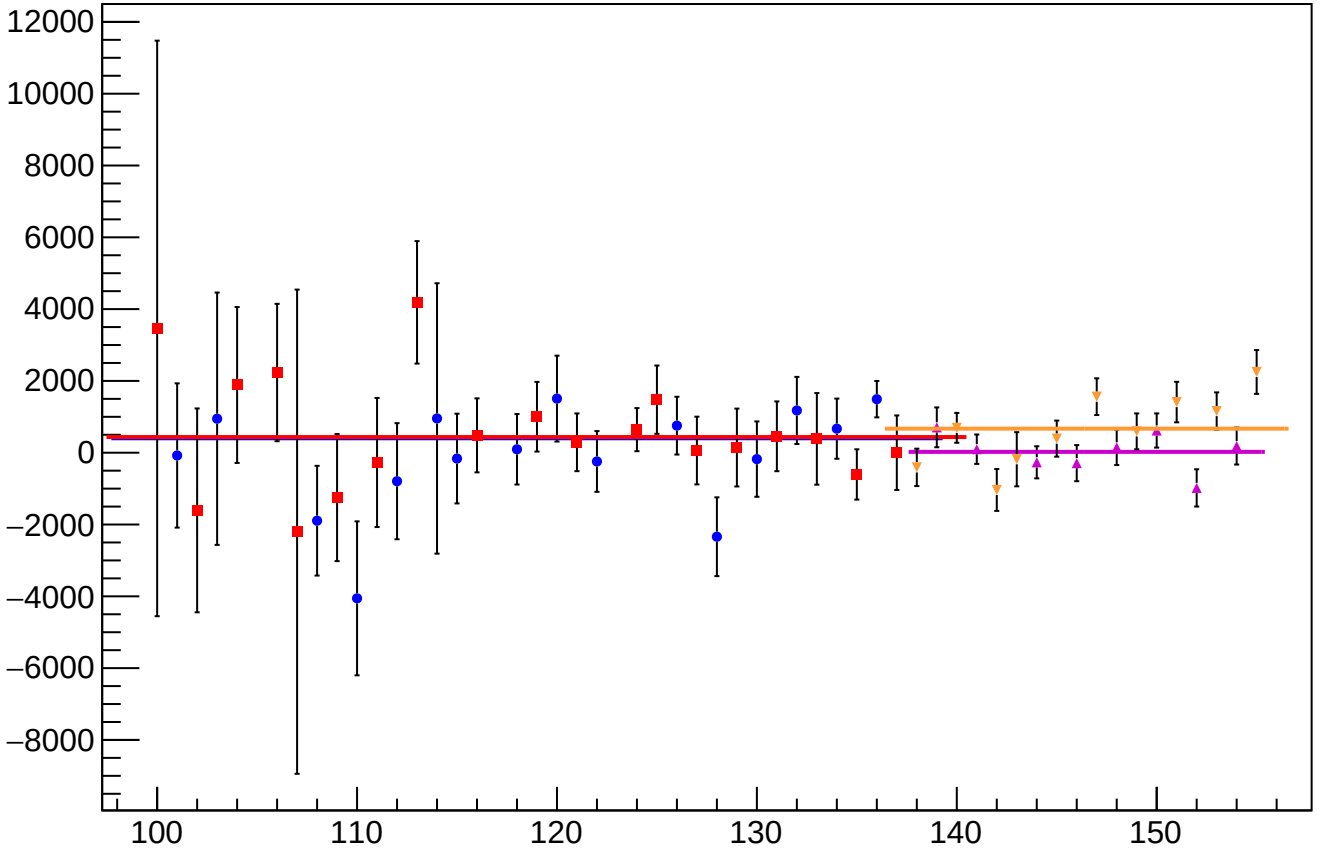
Left In: 1808.202+/-0.483 χ^2/NDF:158.7/7

+ sign 1872.022+/-0.345 χ^2/NDF: 677709.5/25

All: 1877.636+/-0.247 χ^2/NDF: 1114399.0/52

- sign 1883.561+/-0.354 χ^2/NDF: 436143.8/26

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 670.583+/-167.861 χ^2/NDF:26.8/9

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

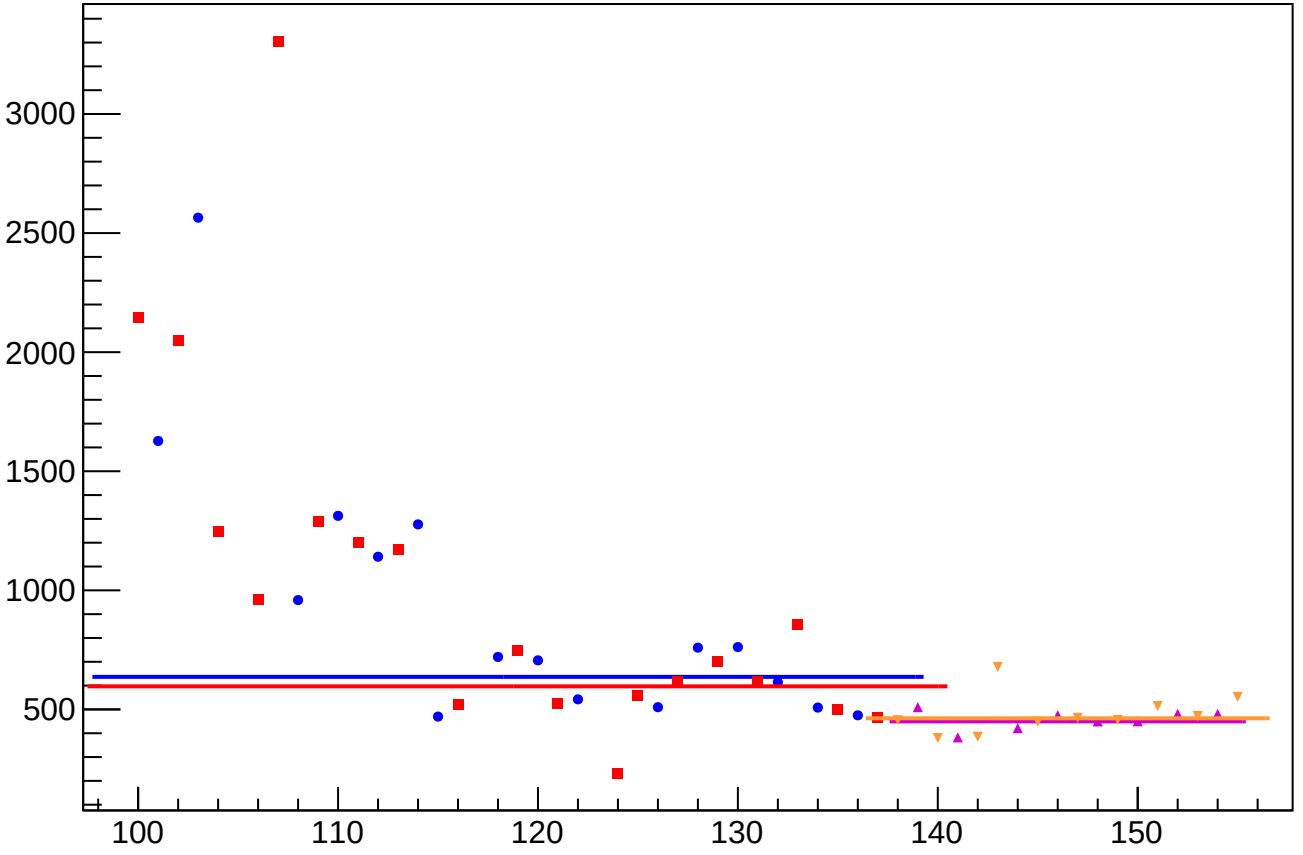
Left In: 23.562+/-171.046 χ^2/NDF:7.8/7

+ sign 591.156+/-140.793 χ^2/NDF: 48.7/25

All: 373.589+/-99.855 χ^2/NDF: 75.5/52

- sign 153.387+/-141.643 χ^2/NDF: 22.0/26

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 462.735+/-0.119 χ^2/NDF:341375.8/9

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

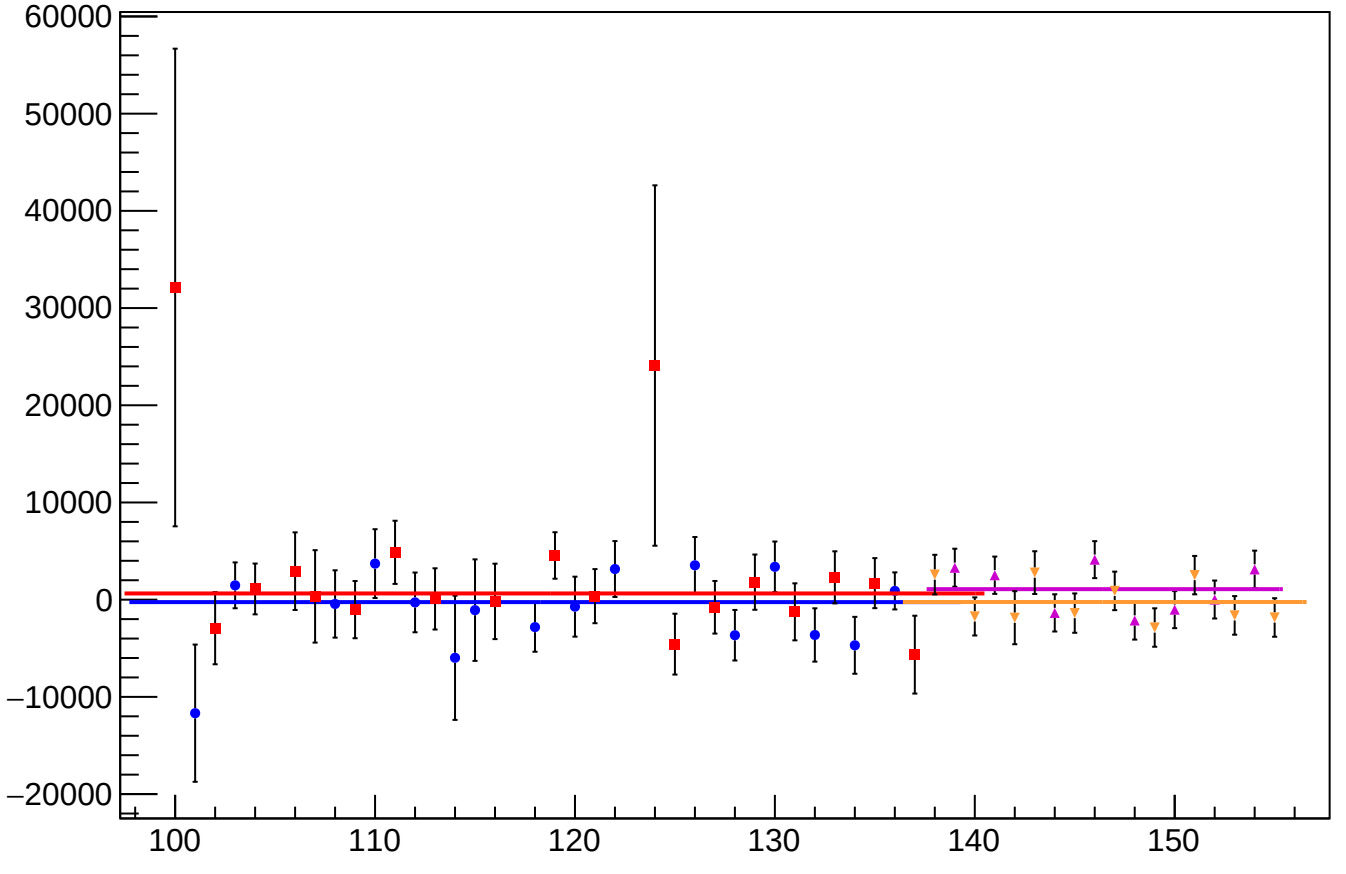
Left In: 449.743+/-0.121 χ^2/NDF:105498.4/7

+ sign 514.315+/-0.100 χ^2/NDF: 3044301.6/25

All: 505.200+/-0.071 χ^2/NDF: 6562071.9/52

- sign 495.975+/-0.100 χ^2/NDF: 3500903.7/26

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -239.903+/-650.756 χ^2/NDF:10.2/9

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

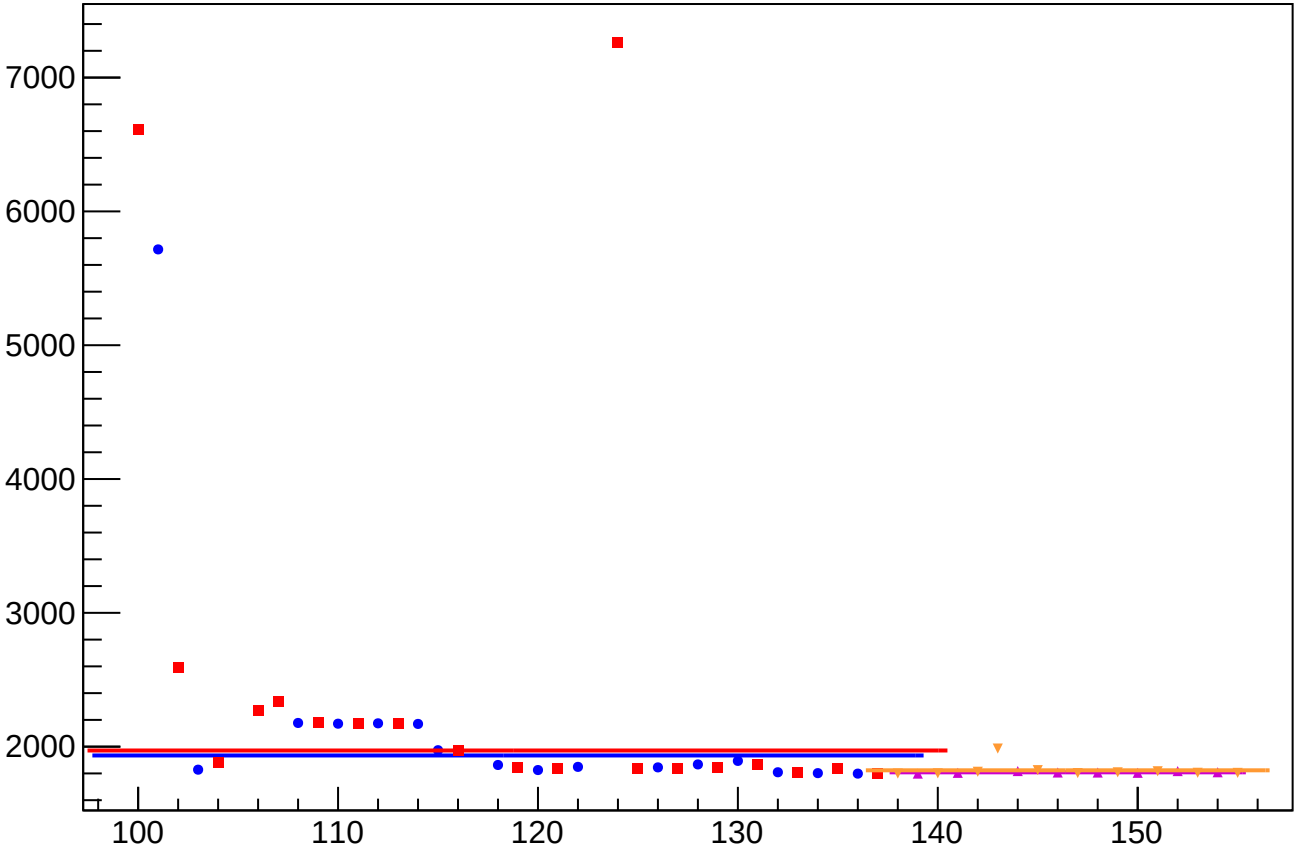
Left In: 1082.145+/-682.388 χ^2/NDF:11.3/7

+ sign -244.553+/-487.261 χ^2/NDF: 27.5/25

All: 301.755+/-349.157 χ^2/NDF: 57.5/52

- sign 878.324+/-500.574 χ^2/NDF: 27.5/26

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1823.282+/-0.460 χ^2/NDF:12254.3/9

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

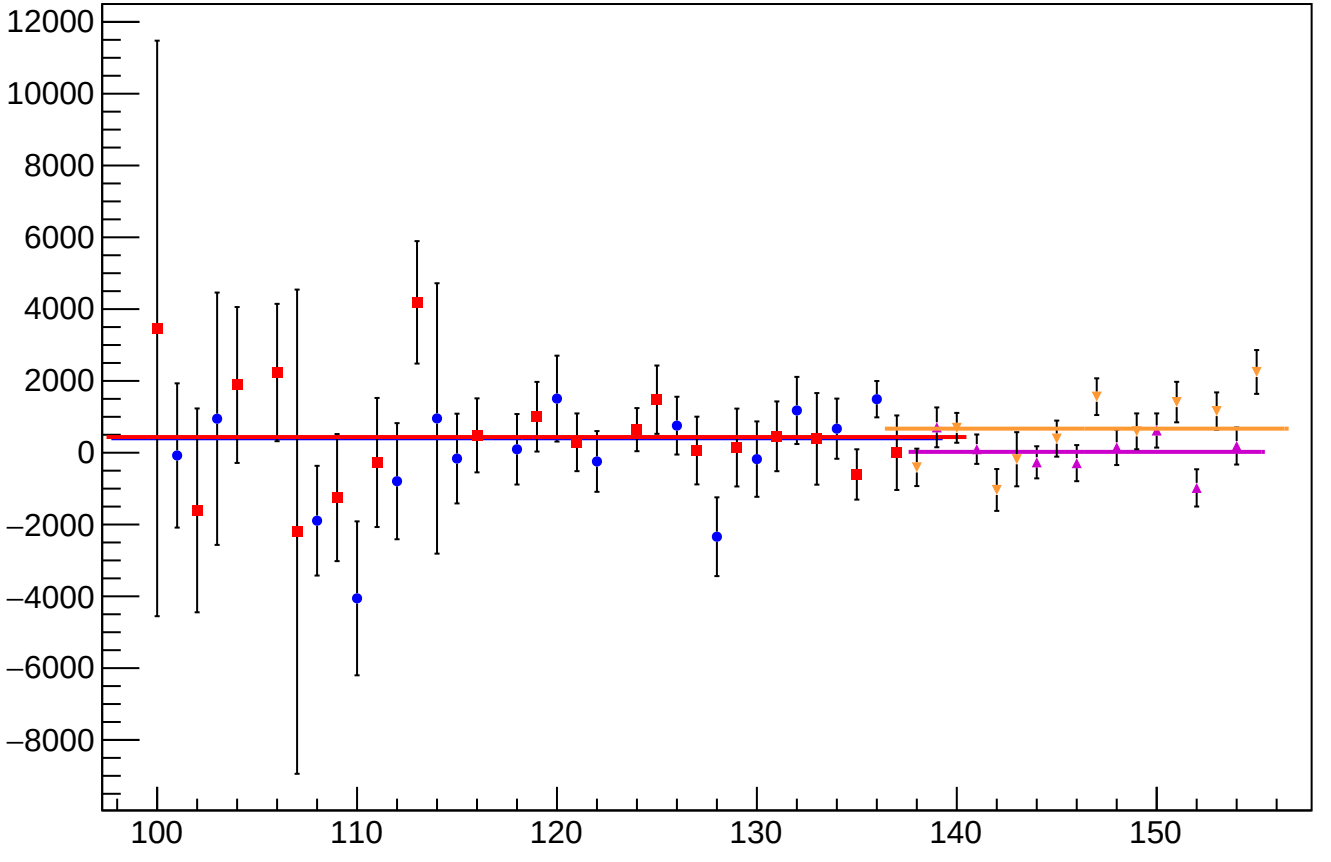
Left In: 1808.202+/-0.483 χ^2/NDF:158.7/7

+ sign 1872.022+/-0.345 χ^2/NDF: 677709.5/25

All: 1877.636+/-0.247 χ^2/NDF: 1114399.0/52

- sign 1883.561+/-0.354 χ^2/NDF: 436143.8/26

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 670.583+/-167.861 χ^2/NDF:26.8/9

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

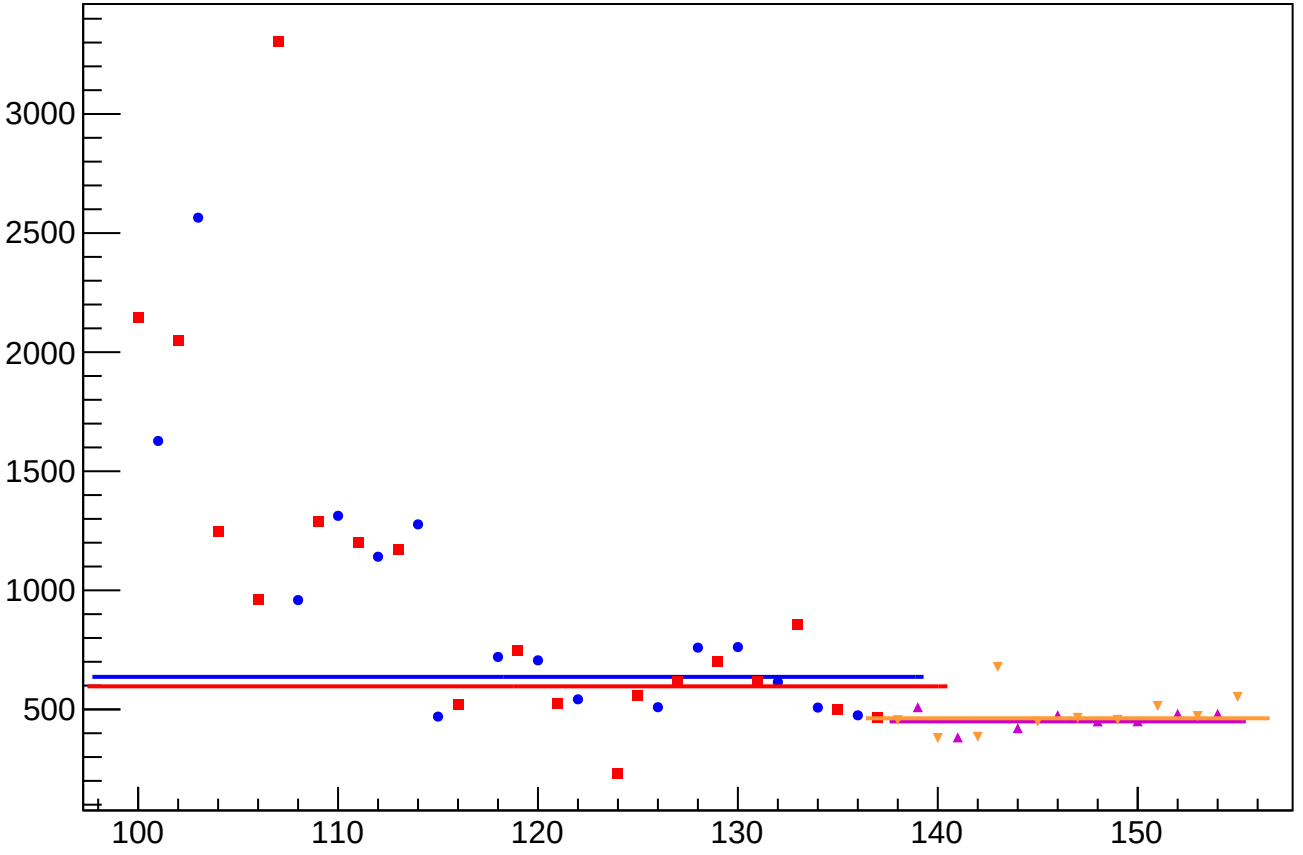
Left In: 23.562+/-171.046 χ^2/NDF:7.8/7

+ sign 591.156+/-140.793 χ^2/NDF: 48.7/25

All: 373.589+/-99.855 χ^2/NDF: 75.5/52

- sign 153.387+/-141.643 χ^2/NDF: 22.0/26

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 462.735+/-0.119 χ^2/NDF:341375.8/9

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

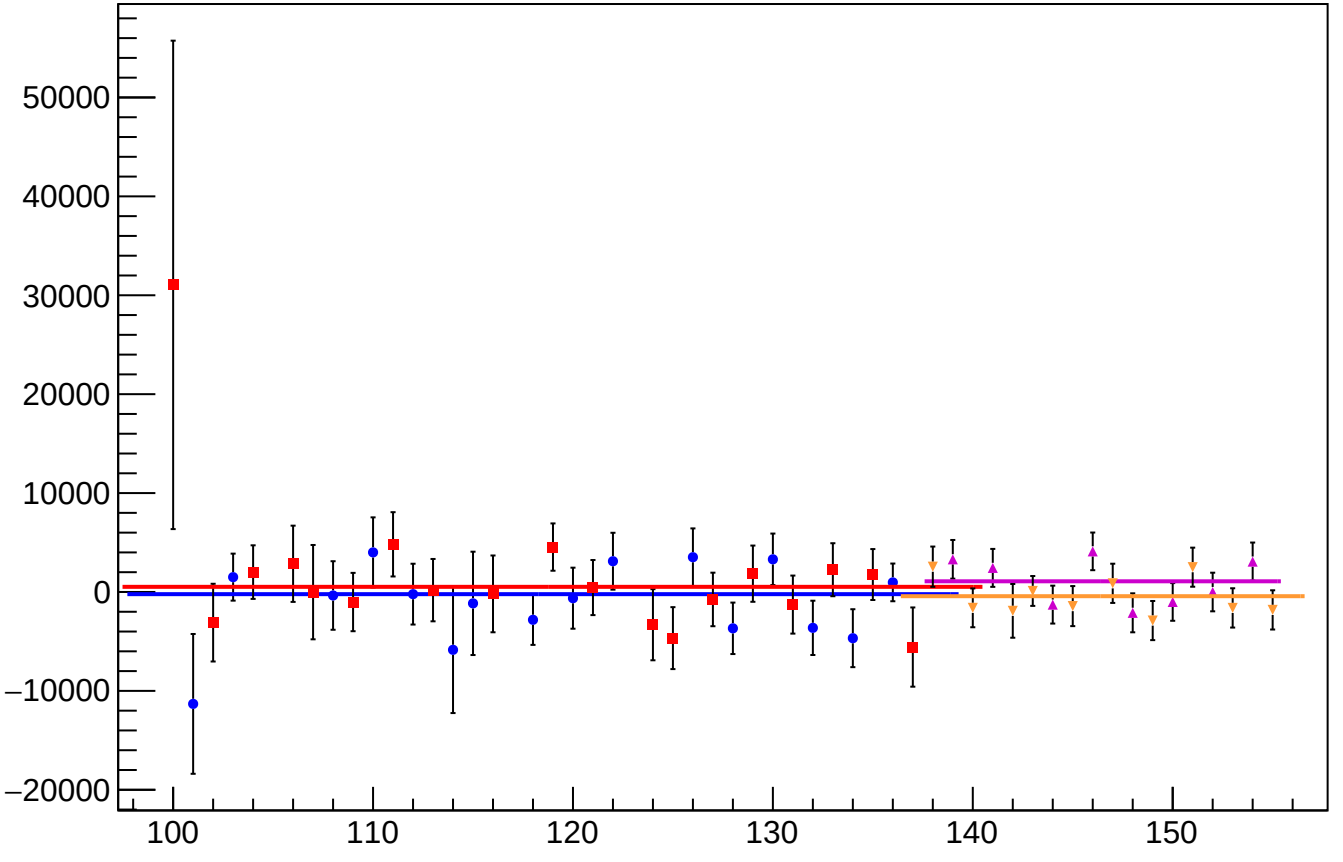
Left In: 449.743+/-0.121 χ^2/NDF:105498.4/7

+ sign 514.315+/-0.100 χ^2/NDF: 3044301.6/25

All: 505.200+/-0.071 χ^2/NDF: 6562071.9/52

- sign 495.975+/-0.100 χ^2/NDF: 3500903.7/26

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -426.485+/-621.031 χ^2/NDF:8.2/9

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

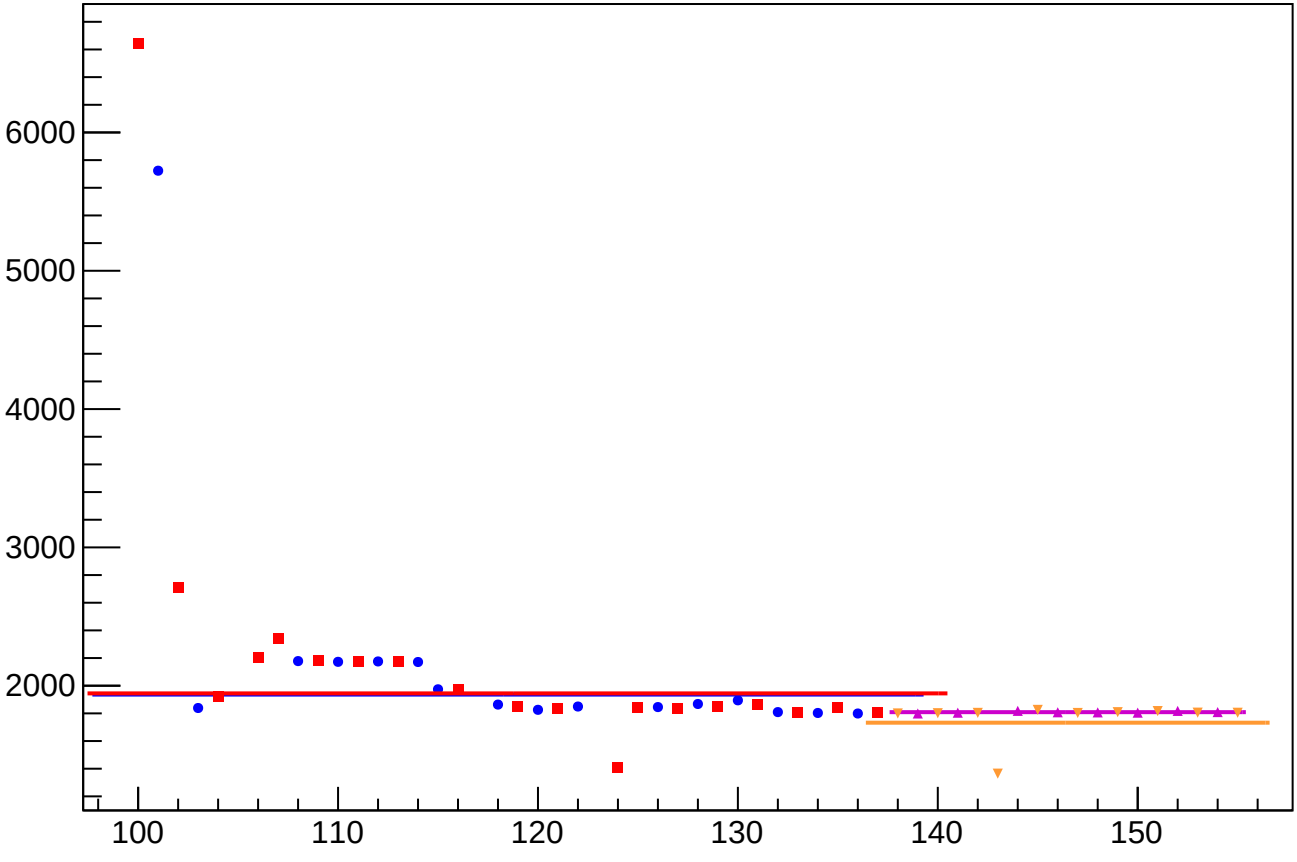
Left In: 1080.115+/-682.617 χ^2/NDF:11.0/7

+ sign -340.760+/-474.609 χ^2/NDF: 25.4/25

All: 211.482+/-343.237 χ^2/NDF: 55.1/52

- sign 817.024+/-496.985 χ^2/NDF: 26.9/26

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1732.645+/-0.439 χ^2/NDF:143574.6/9

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

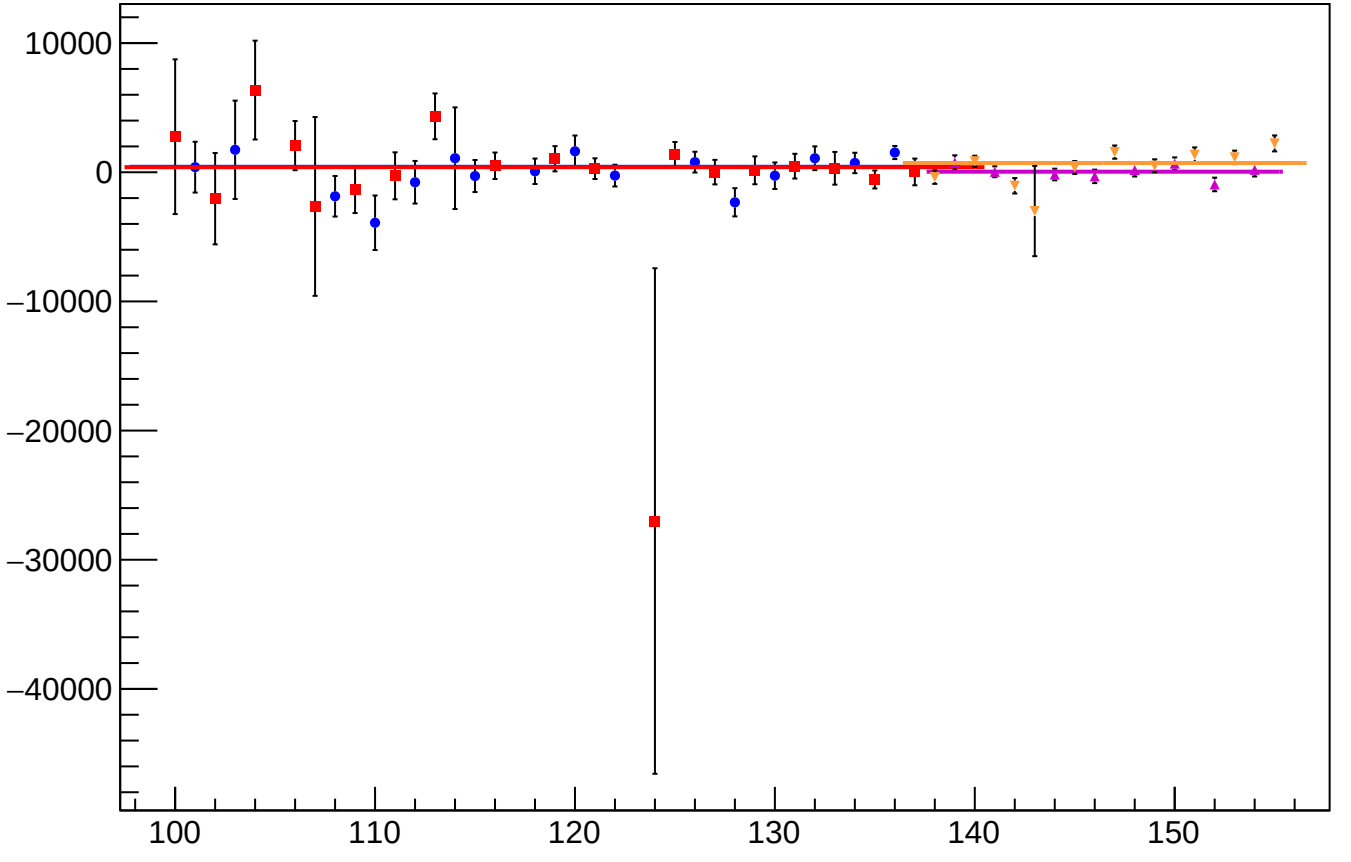
Left In: 1808.810+/-0.483 χ^2/NDF:157.9/7

+ sign 1817.221+/-0.336 χ^2/NDF: 872559.4/25

All: 1843.623+/-0.243 χ^2/NDF: 1199050.4/52

- sign 1872.573+/-0.351 χ^2/NDF: 313515.6/26

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 716.219+/-174.092 χ^2/NDF:25.6/9

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

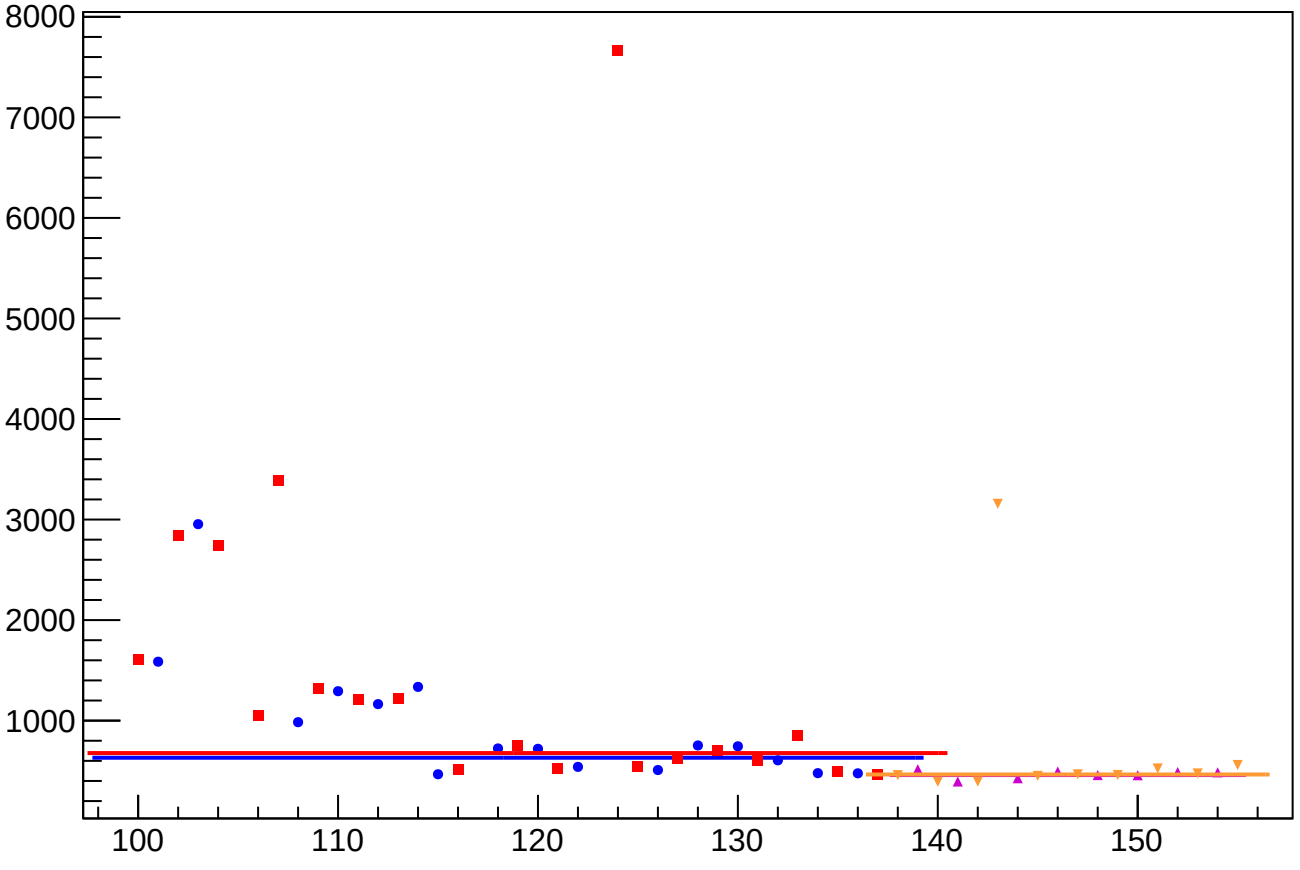
Left In: 43.299+/-174.260 χ^2/NDF:7.6/7

+ sign 623.283+/-144.091 χ^2/NDF: 48.0/25

All: 388.558+/-103.202 χ^2/NDF: 78.1/52

- sign 141.317+/-147.883 χ^2/NDF: 24.6/26

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 464.441+/-0.123 χ^2/NDF:1344089.0/9

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

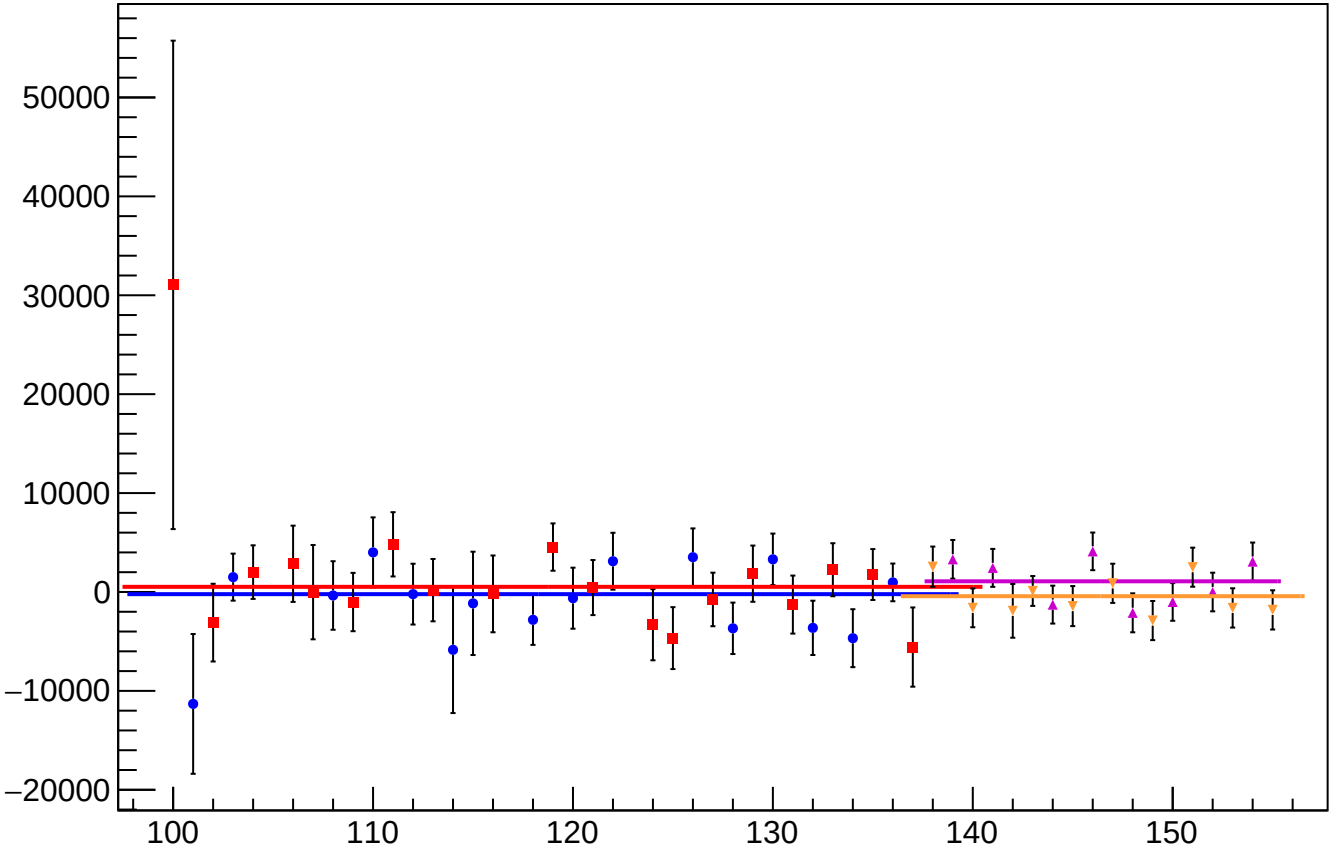
Left In: 458.801+/-0.123 χ^2/NDF:98400.7/7

+ sign 516.944+/-0.102 χ^2/NDF: 4156123.2/25

All: 518.422+/-0.073 χ^2/NDF: 8217496.8/52

- sign 519.979+/-0.105 χ^2/NDF: 4060941.4/26

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -426.485+/-621.031 χ^2/NDF:8.2/9

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

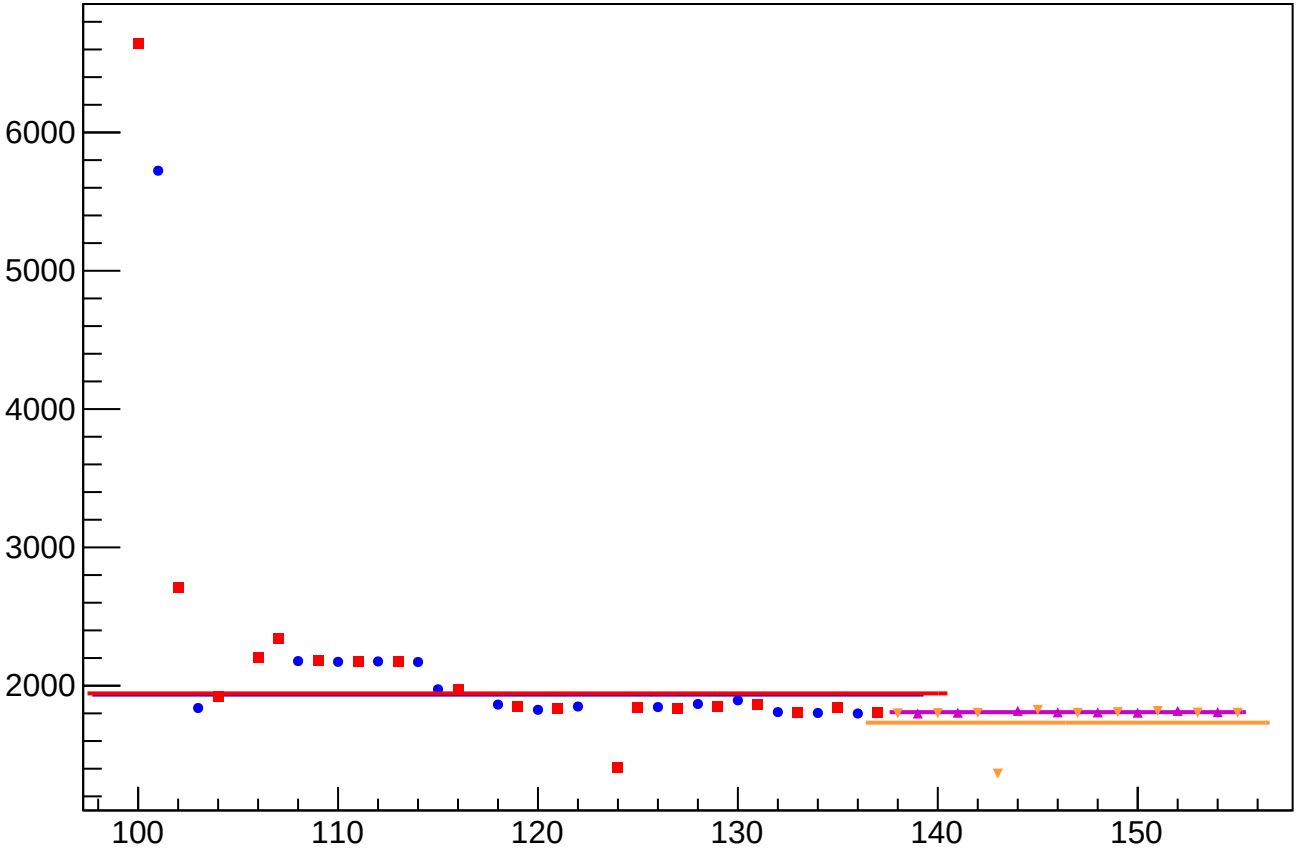
Left In: 1080.116+/-682.617 χ^2/NDF:11.0/7

+ sign -340.760+/-474.609 χ^2/NDF: 25.4/25

All: 211.482+/-343.237 χ^2/NDF: 55.1/52

- sign 817.024+/-496.985 χ^2/NDF: 26.9/26

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1732.645+/-0.439 χ^2/NDF:143574.6/9

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

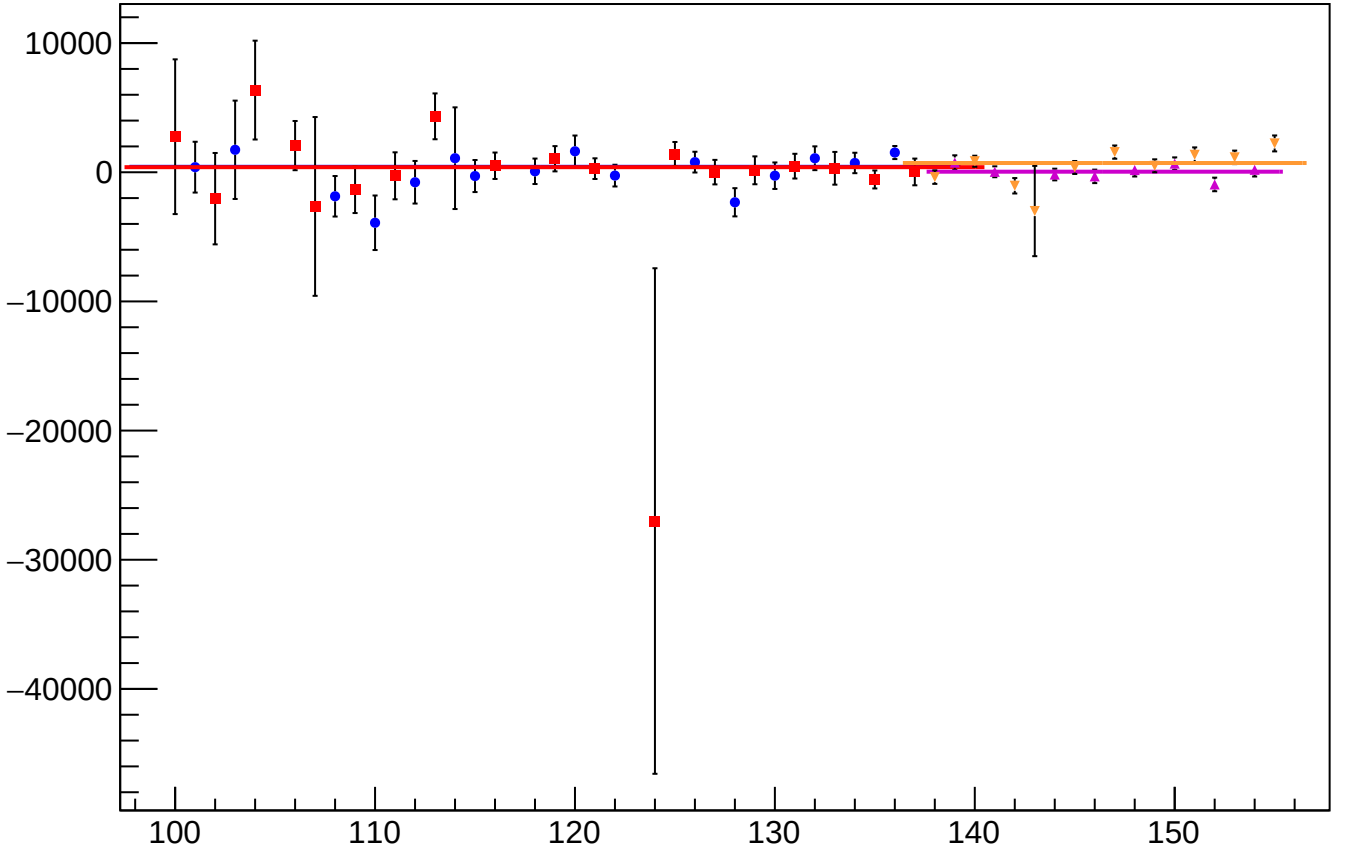
Left In: 1808.810+/-0.483 χ^2/NDF:157.9/7

+ sign 1817.221+/-0.336 χ^2/NDF: 872559.4/25

All: 1843.623+/-0.243 χ^2/NDF: 1199050.2/52

- sign 1872.573+/-0.351 χ^2/NDF: 313515.4/26

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 716.218+/-174.092 χ^2/NDF:25.6/9

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

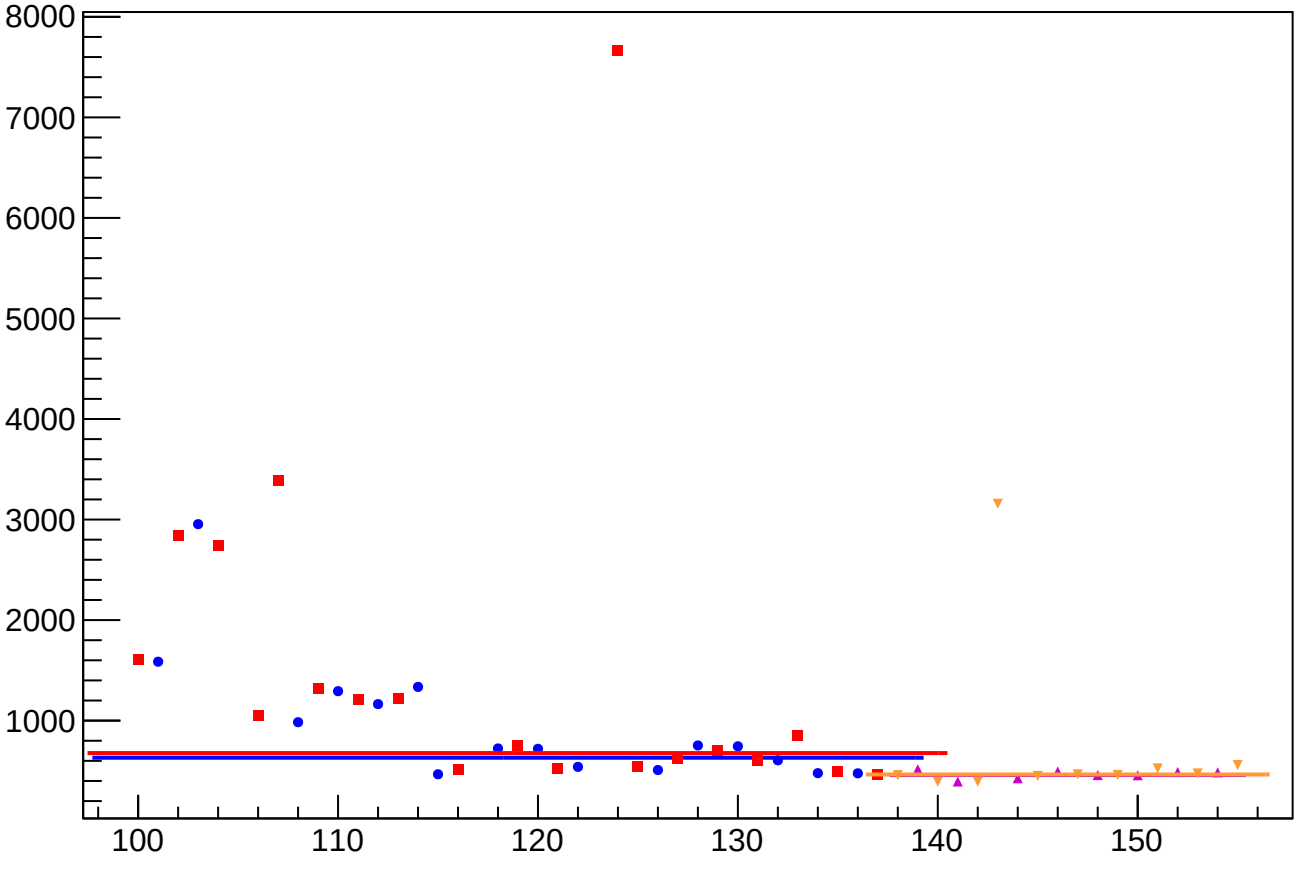
Left In: 43.299+/-174.260 χ^2/NDF:7.6/7

+ sign 623.282+/-144.091 χ^2/NDF: 48.0/25

All: 388.558+/-103.202 χ^2/NDF: 78.1/52

- sign 141.317+/-147.883 χ^2/NDF: 24.6/26

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 464.440+/-0.123 χ^2/NDF:1344090.9/9

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

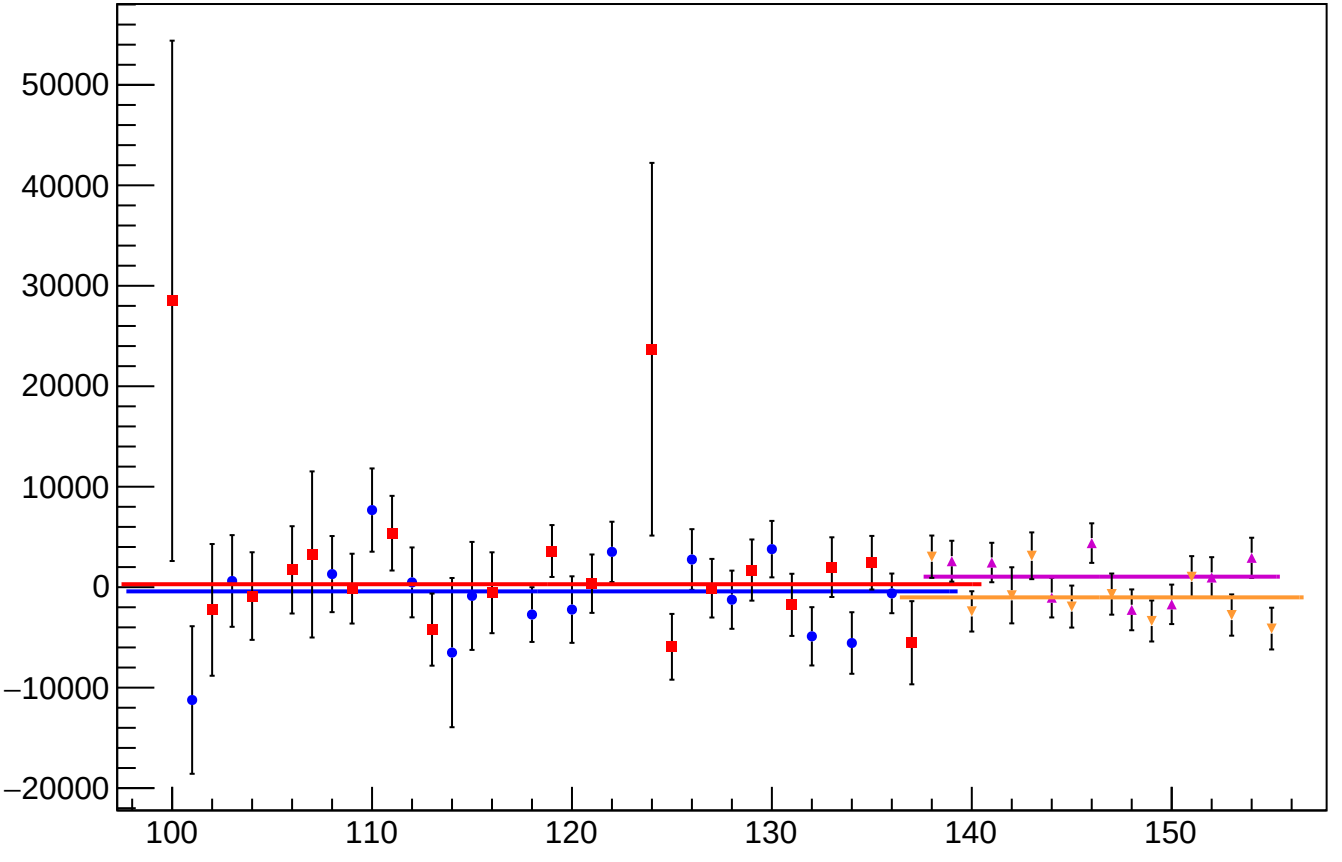
Left In: 458.800+/-0.123 χ^2/NDF:98402.0/7

+ sign 516.944+/-0.102 χ^2/NDF: 4156126.9/25

All: 518.422+/-0.073 χ^2/NDF: 8217502.9/52

- sign 519.979+/-0.105 χ^2/NDF: 4060943.7/26

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1013.075+/-674.437 χ^2/NDF:12.8/9

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

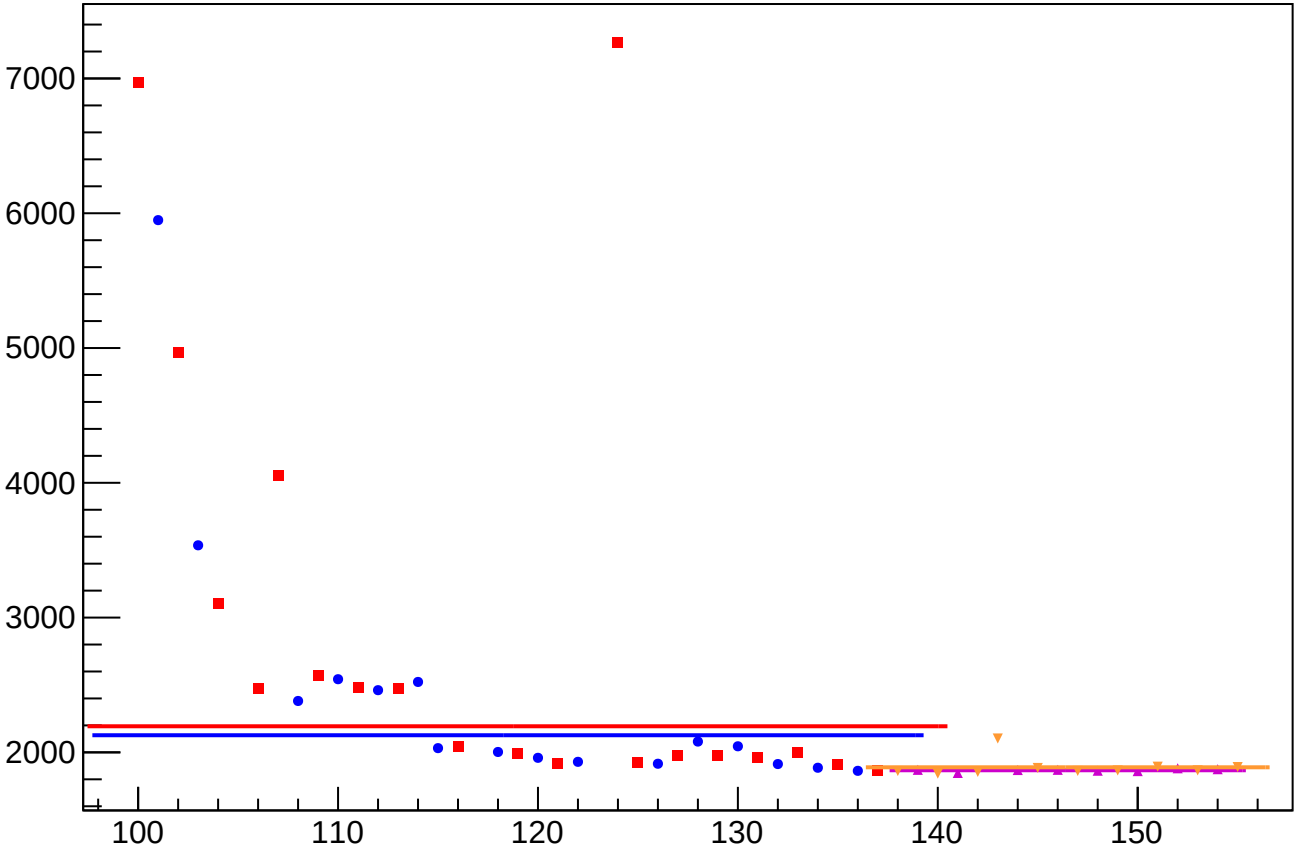
Left In: 1045.973+/-704.685 χ^2/NDF:10.6/7

+ sign -771.193+/-519.693 χ^2/NDF: 31.5/25

All: -45.124+/-373.656 χ^2/NDF: 62.2/52

- sign 731.912+/-537.623 χ^2/NDF: 26.7/26

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1889.156+/-0.477 χ^2/NDF:19465.6/9

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

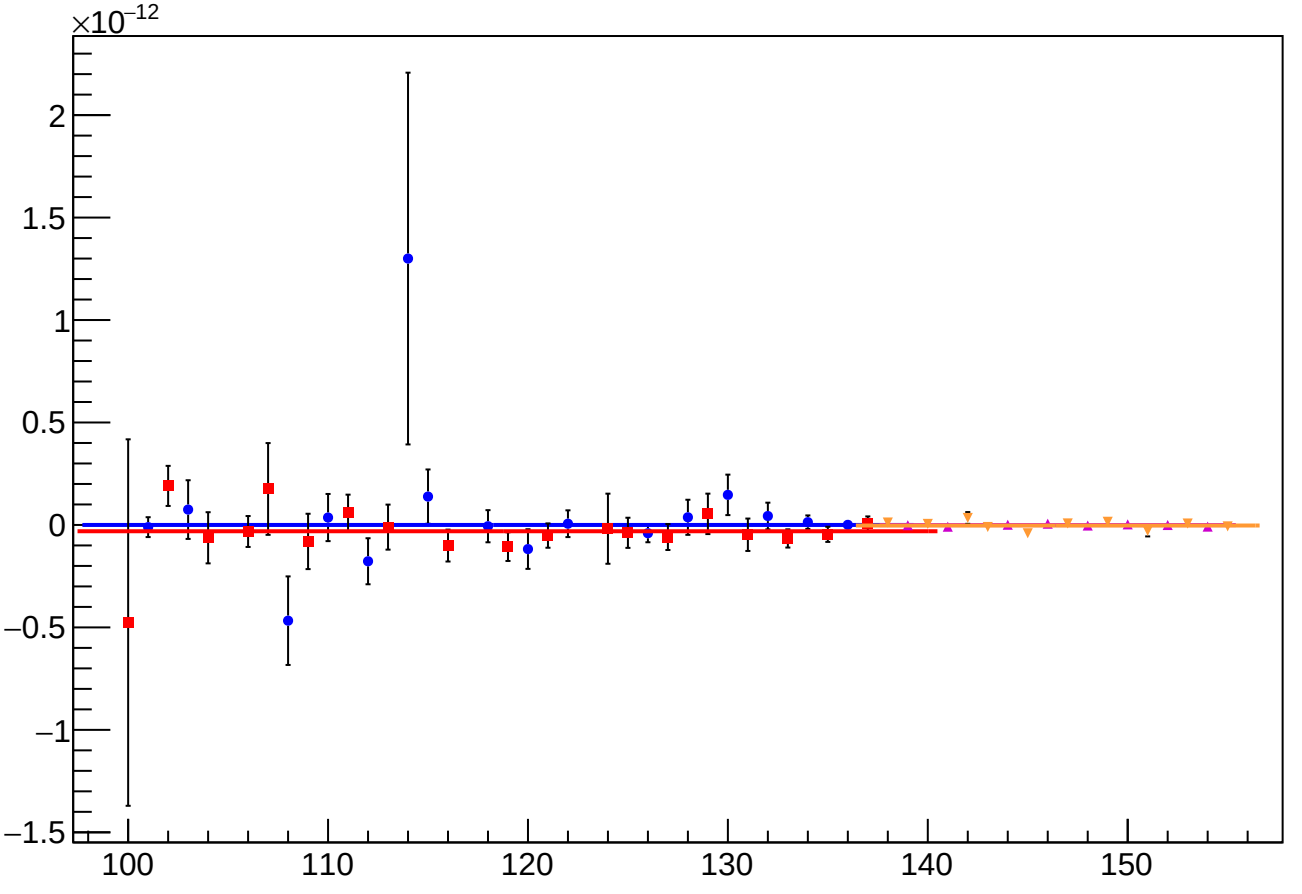
Left In: 1867.248+/-0.498 χ^2/NDF:380.1/7

+ sign 1985.795+/-0.367 χ^2/NDF: 995623.7/25

All: 1994.409+/-0.264 χ^2/NDF: 2118958.3/52

- sign 2003.628+/-0.380 χ^2/NDF: 1122197.1/26

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:10.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

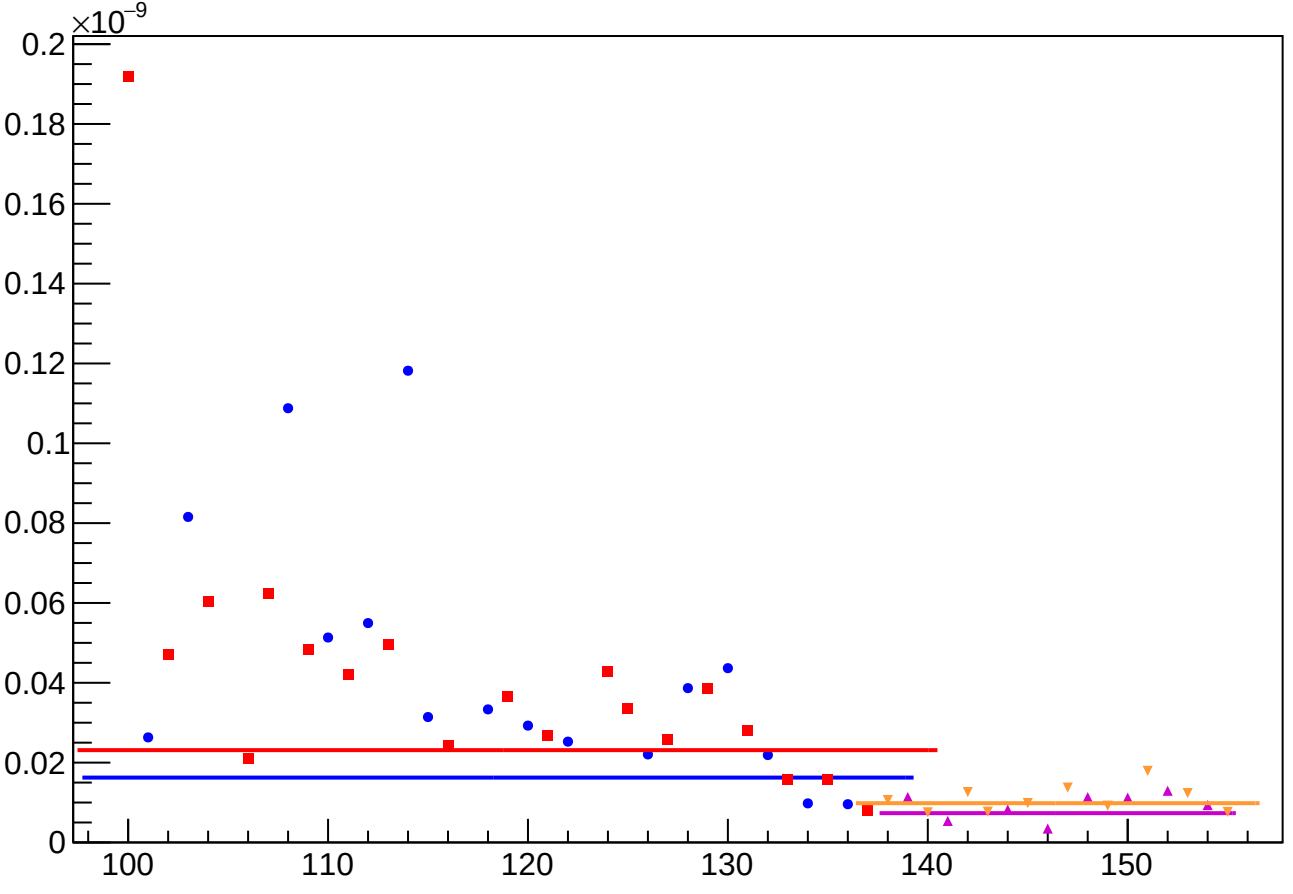
Left In: -0.000+/-0.000 χ^2/NDF:1.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/25

All: -0.000+/-0.000 χ^2/NDF: 43.7/52

- sign -0.000+/-0.000 χ^2/NDF: 16.9/26

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:405490.1/9

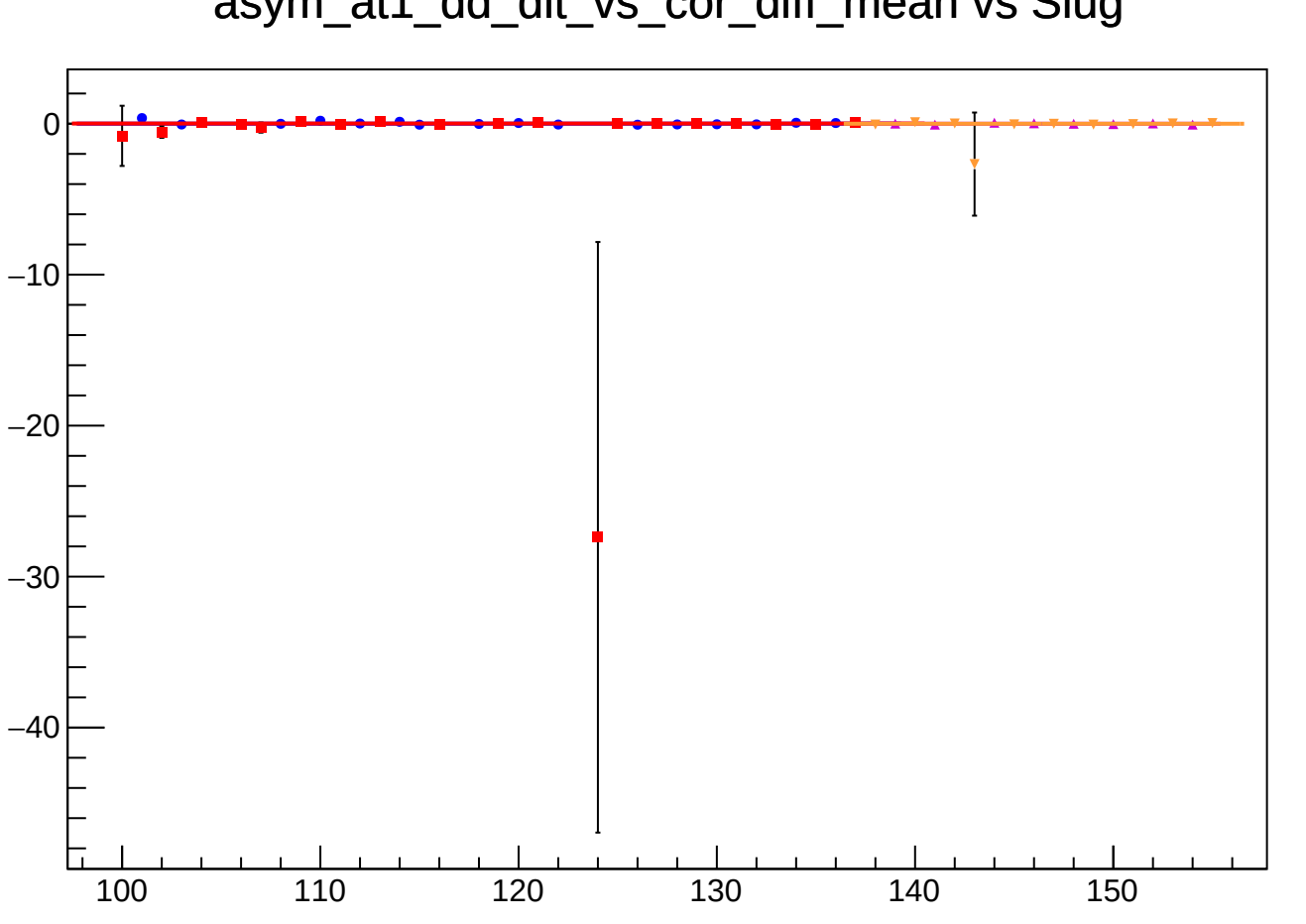
Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:768146.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 3161765.0/25

All: 0.000+/-0.000 χ^2/NDF: 7339216.6/52

- sign 0.000+/-0.000 χ^2/NDF: 3995267.4/26



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.4/9

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

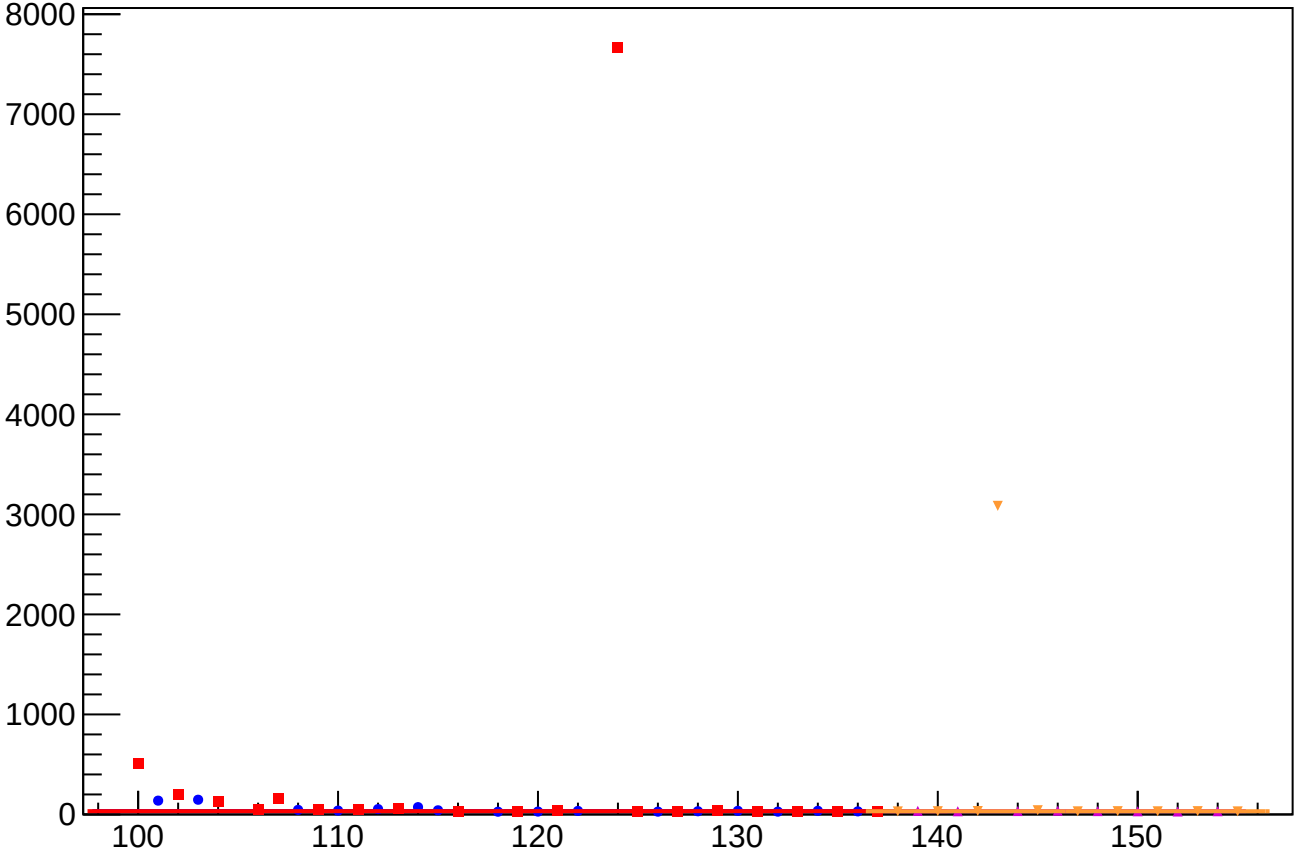
Left In: -0.004+/-0.014 χ^2/NDF:9.0/7

+ sign -0.001+/-0.010 χ^2/NDF: 35.4/25

All: 0.001+/-0.007 χ^2/NDF: 59.3/52

- sign 0.003+/-0.010 χ^2/NDF: 23.8/26

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.394+/-0.009 χ^2/NDF:1695353.8/9

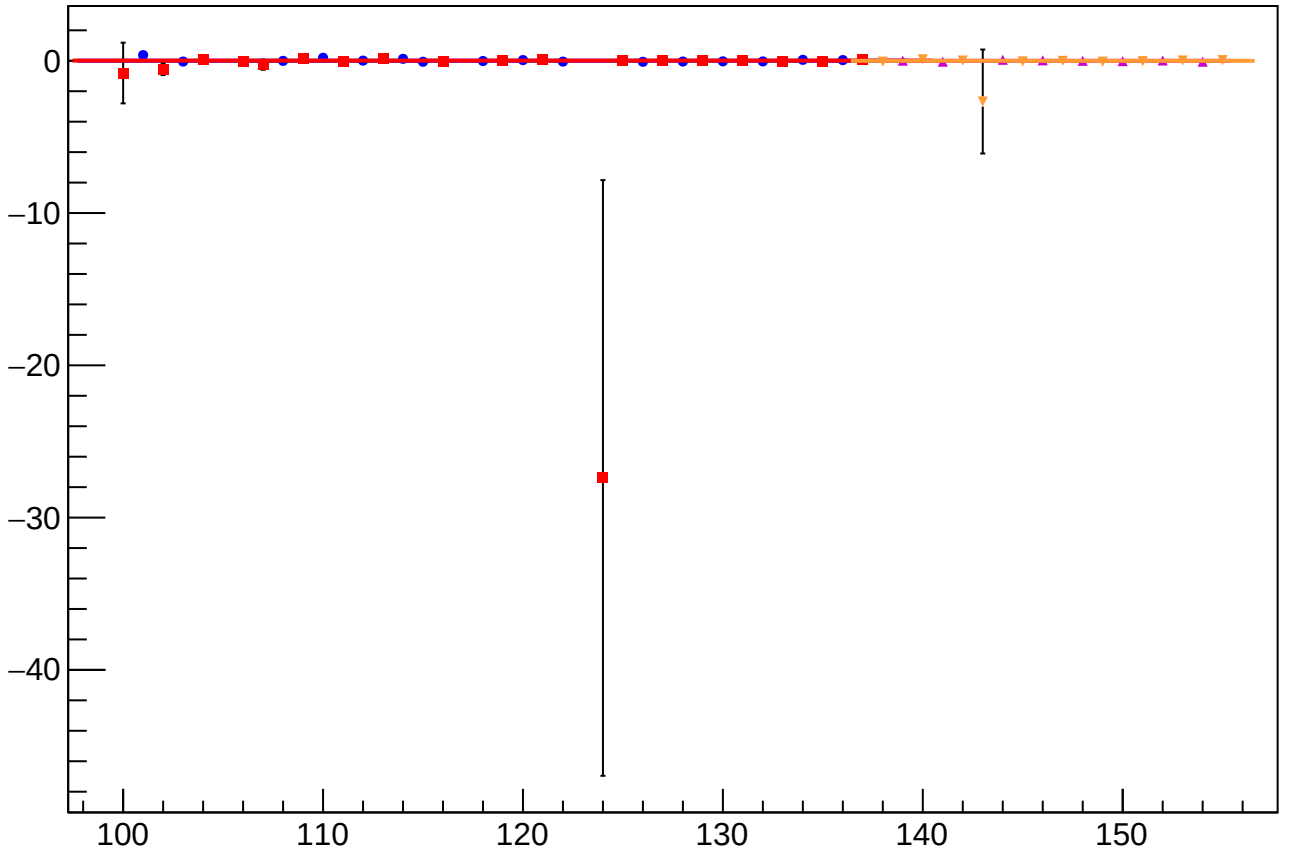
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.239+/-0.010 χ^2/NDF:51450.8/7

\+ sign 33.133+/-0.007 χ^2/NDF: 3426700.1/25

All: 33.150+/-0.005 χ^2/NDF: 5553408.2/52

\- sign 33.169+/-0.007 χ^2/NDF: 2126695.0/26



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.4/9

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

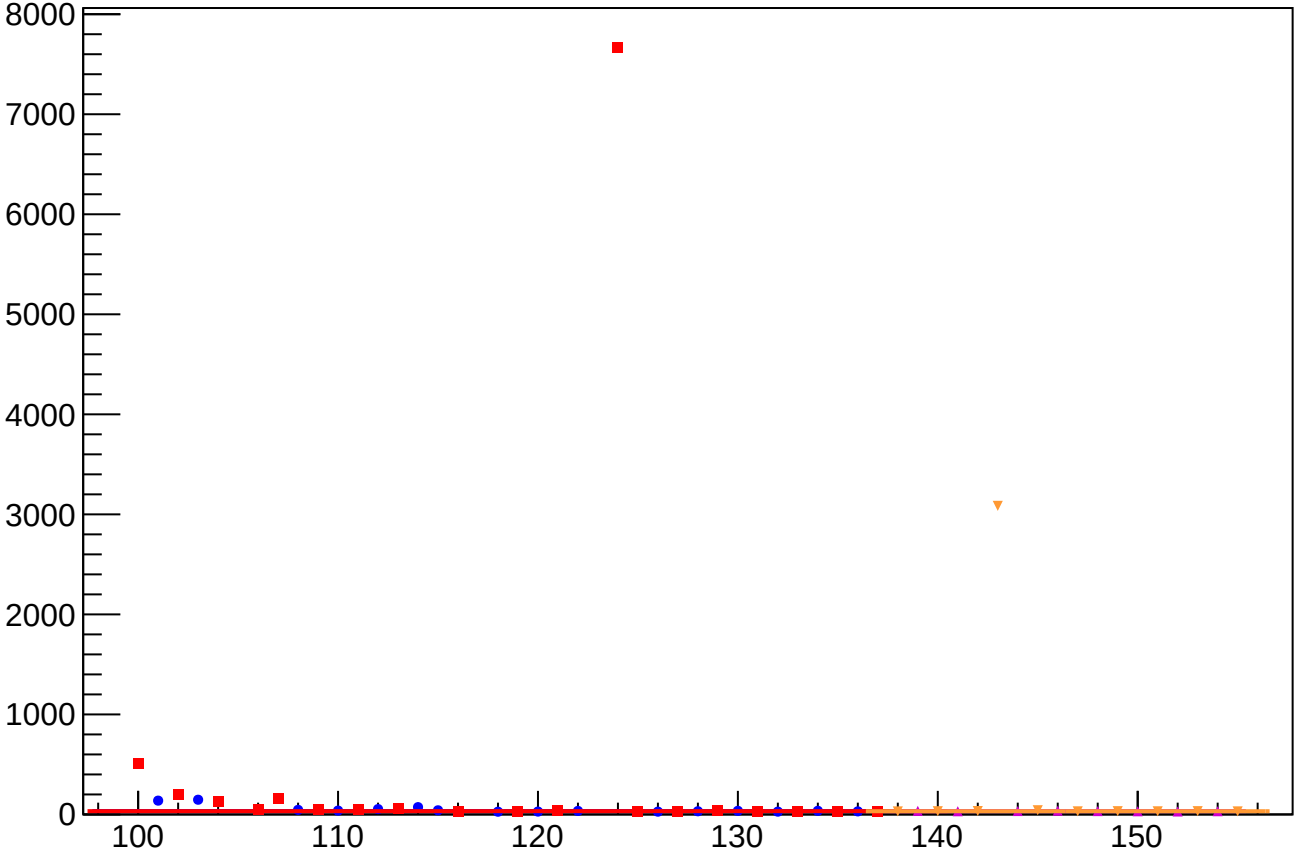
Left In: -0.004+/-0.014 χ^2/NDF:9.0/7

+ sign -0.001+/-0.010 χ^2/NDF: 35.4/25

All: 0.001+/-0.007 χ^2/NDF: 59.3/52

- sign 0.003+/-0.010 χ^2/NDF: 23.8/26

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: 32.394+/-0.009 χ^2/NDF:1695353.8/9

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

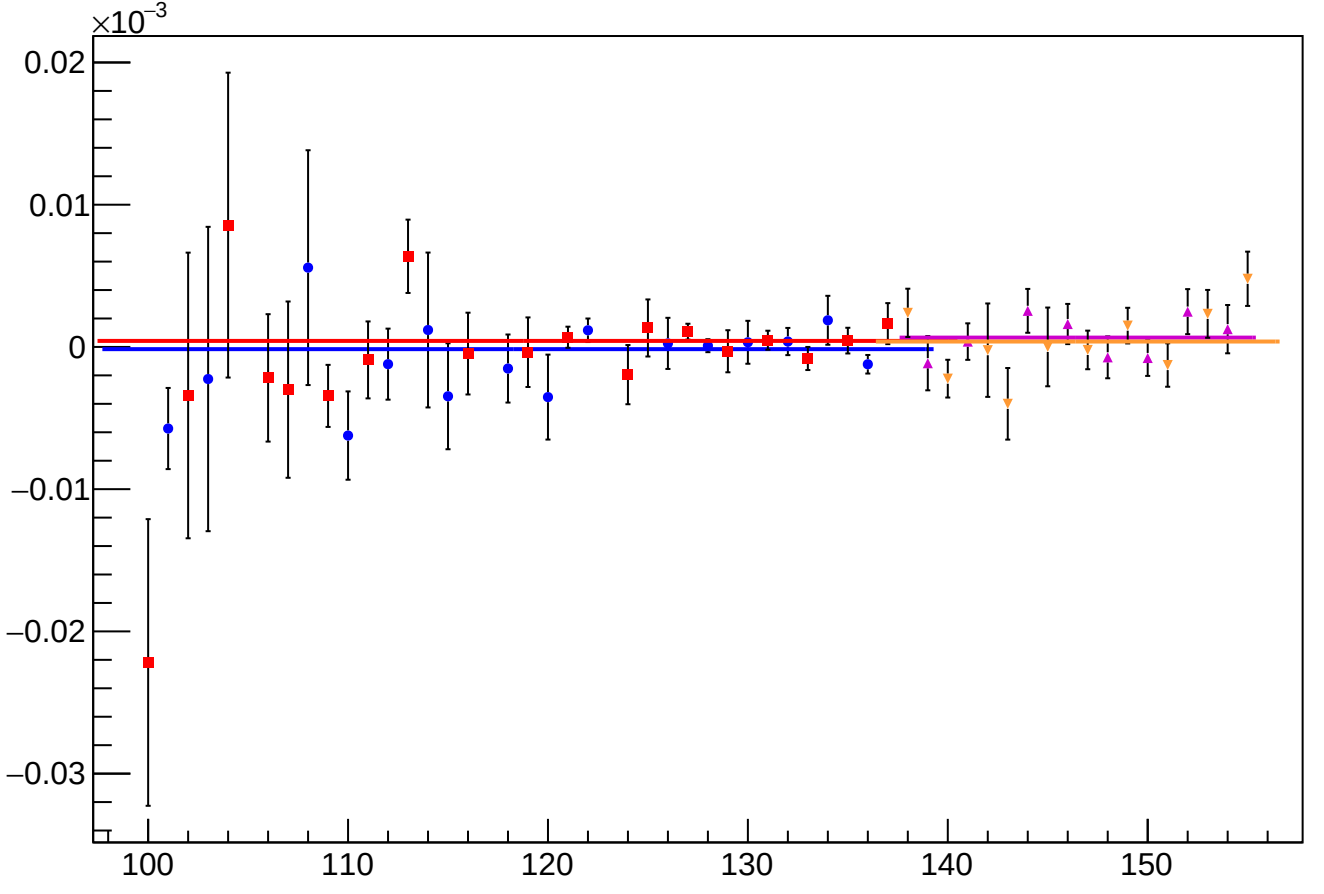
Left In: 33.239+/-0.010 χ^2/NDF:51450.8/7

\+ sign 33.133+/-0.007 χ^2/NDF: 3426700.1/25

All: 33.150+/-0.005 χ^2/NDF: 5553408.2/52

\- sign 33.169+/-0.007 χ^2/NDF: 2126695.0/26

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

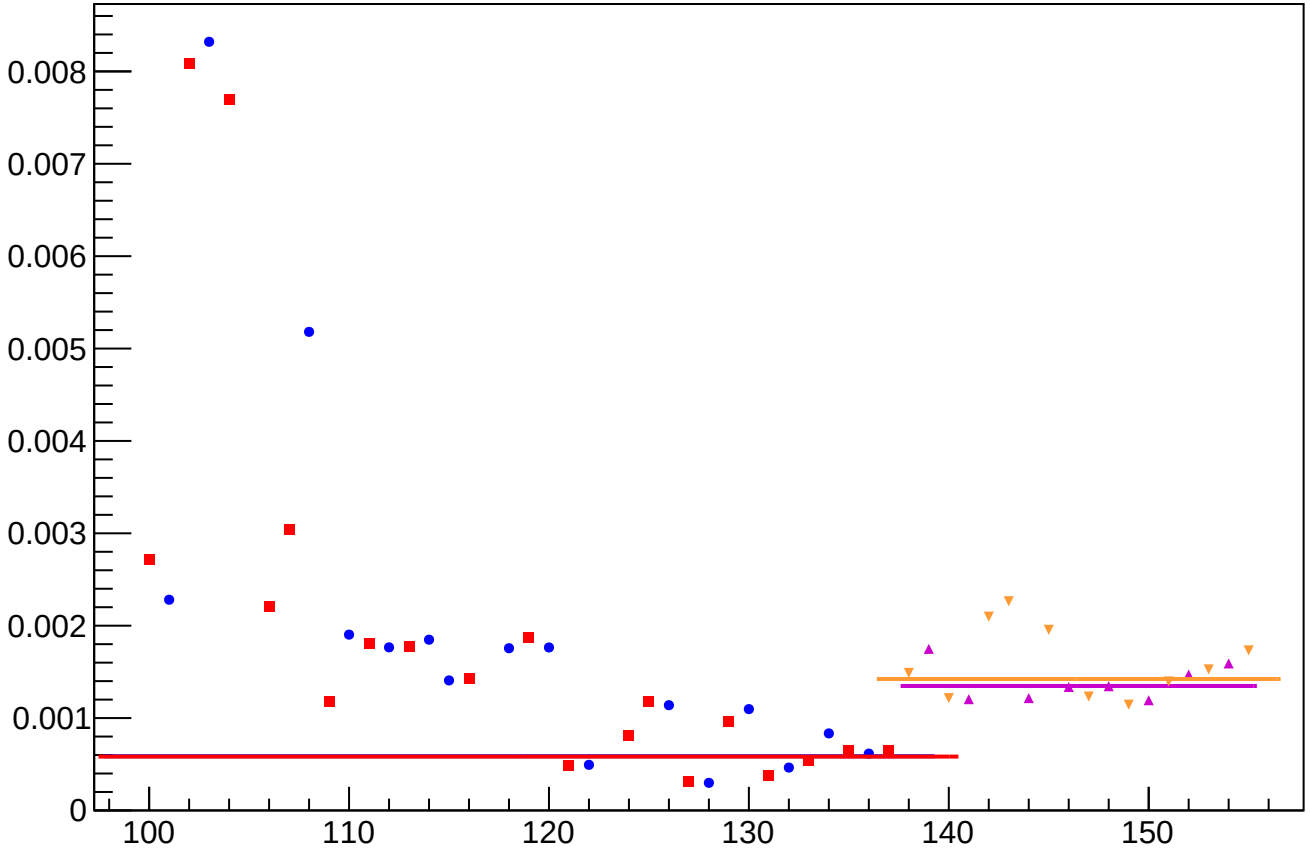
Left In: 0.000+/-0.000 χ^2/NDF:6.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 36.1/25

All: 0.000+/-0.000 χ^2/NDF: 66.4/52

- sign 0.000+/-0.000 χ^2/NDF: 28.2/26

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:632137.0/9

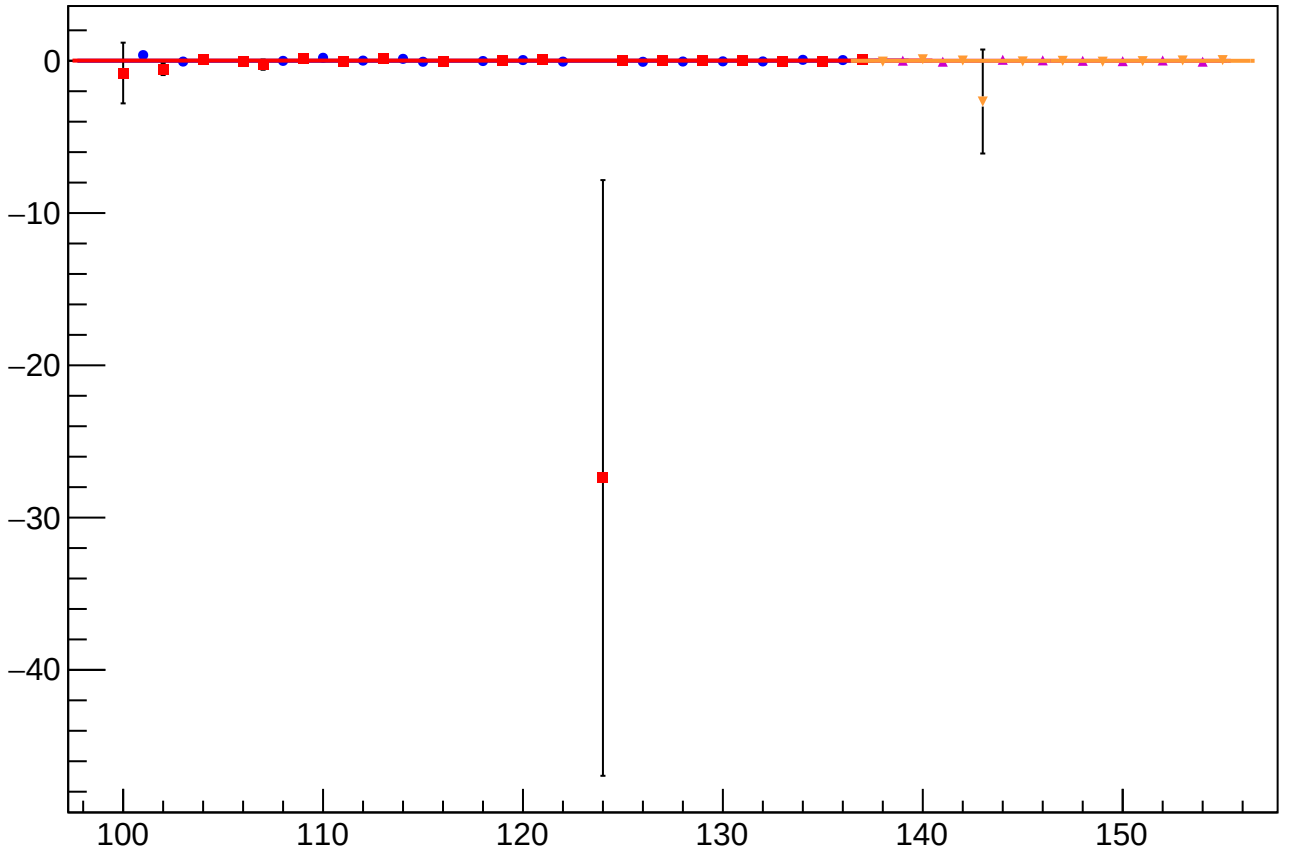
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:211724.0/7

+ sign 0.001+/-0.000 χ^2/NDF: 9905729.1/25

All: 0.001+/-0.000 χ^2/NDF: 18840196.1/52

- sign 0.001+/-0.000 χ^2/NDF: 8925127.5/26



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.4/9

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

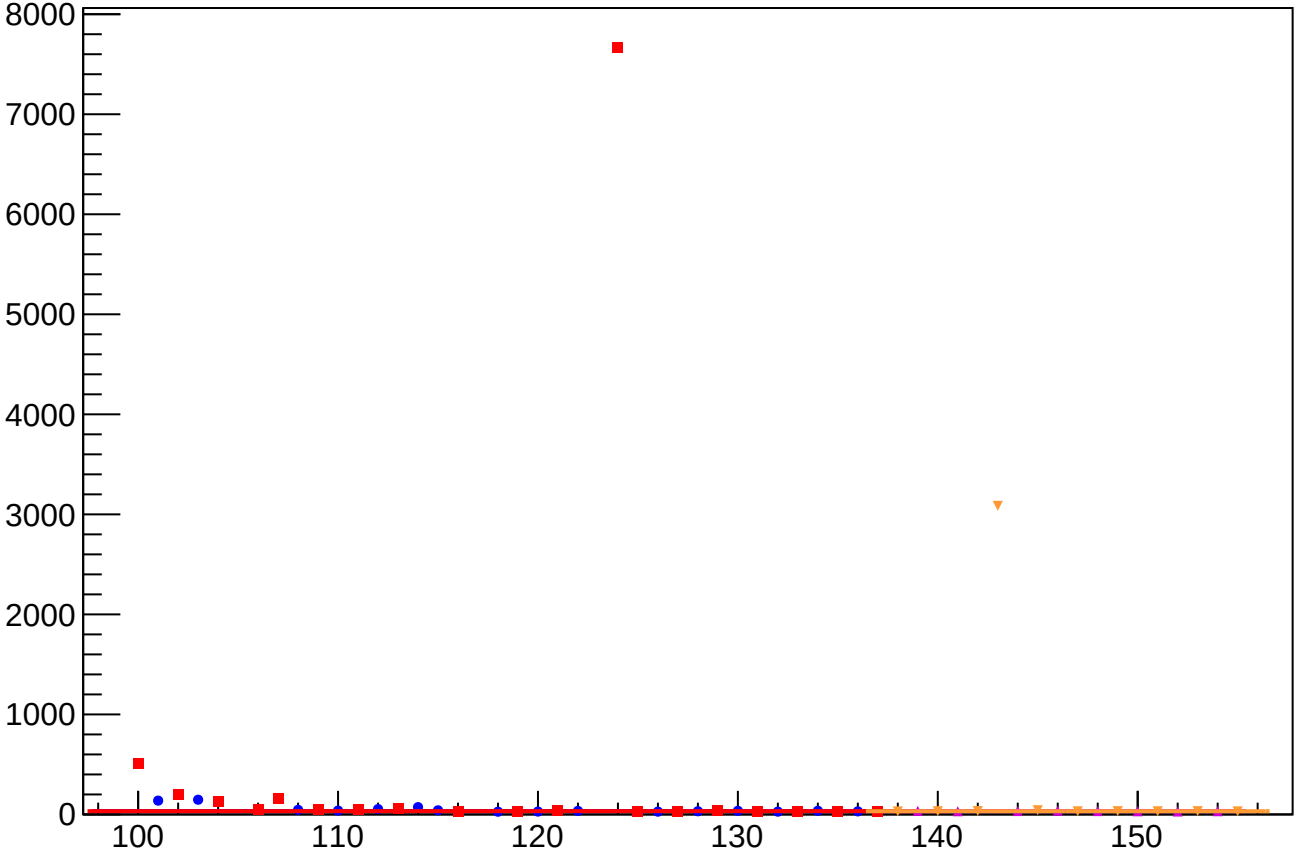
Left In: -0.004+/-0.014 χ^2/NDF:9.0/7

+ sign -0.001+/-0.010 χ^2/NDF: 35.4/25

All: 0.001+/-0.007 χ^2/NDF: 59.3/52

- sign 0.003+/-0.010 χ^2/NDF: 23.8/26

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: 32.394+/-0.009 χ^2/NDF:1695356.7/9

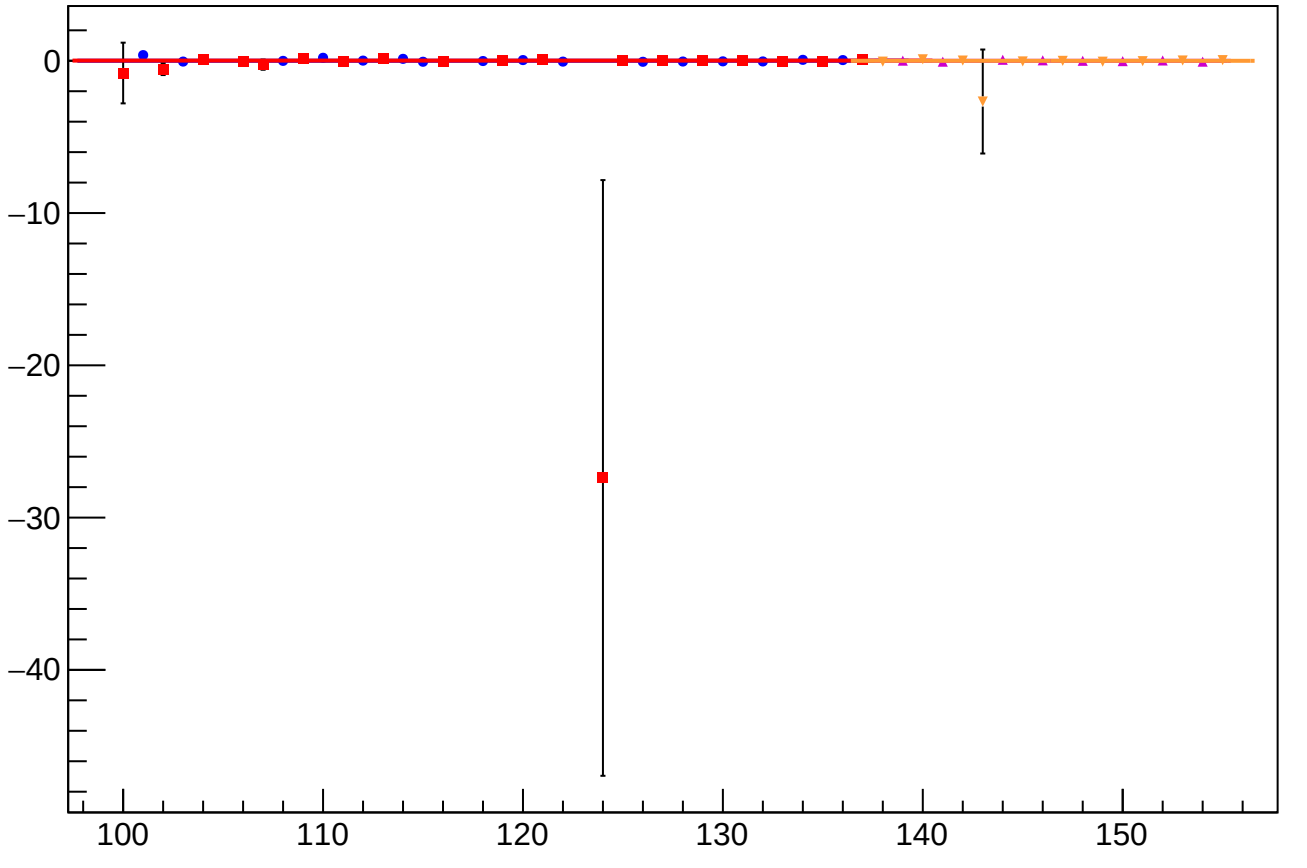
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.239+/-0.010 χ^2/NDF:51453.3/7

+ sign 33.133+/-0.007 χ^2/NDF: 3426694.3/25

All: 33.150+/-0.005 χ^2/NDF: 5553386.3/52

- sign 33.168+/-0.007 χ^2/NDF: 2126678.9/26



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.4/9

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

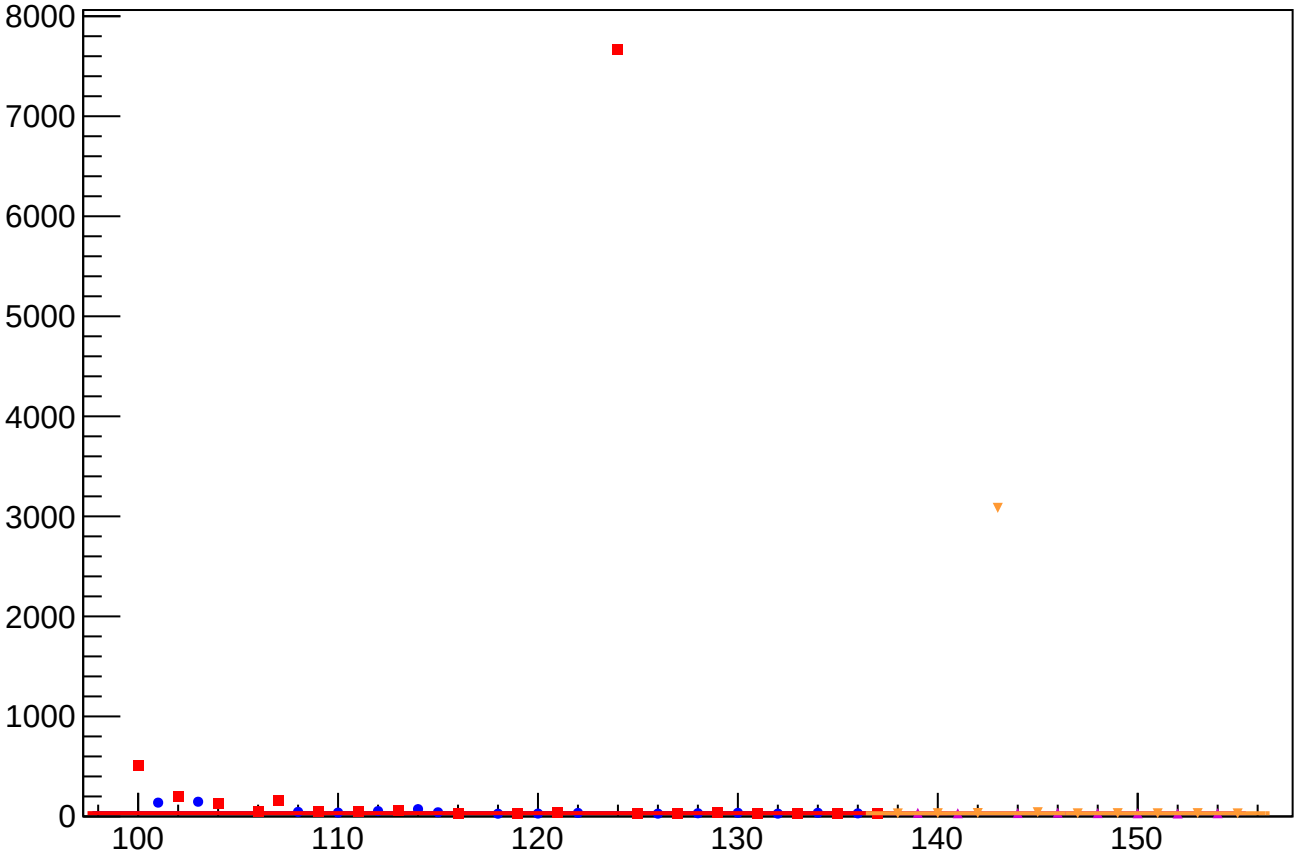
Left In: -0.004+/-0.014 χ^2/NDF:9.0/7

+ sign -0.001+/-0.010 χ^2/NDF: 35.4/25

All: 0.001+/-0.007 χ^2/NDF: 59.3/52

- sign 0.003+/-0.010 χ^2/NDF: 23.8/26

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: 32.394+/-0.009 χ^2/NDF:1695356.7/9

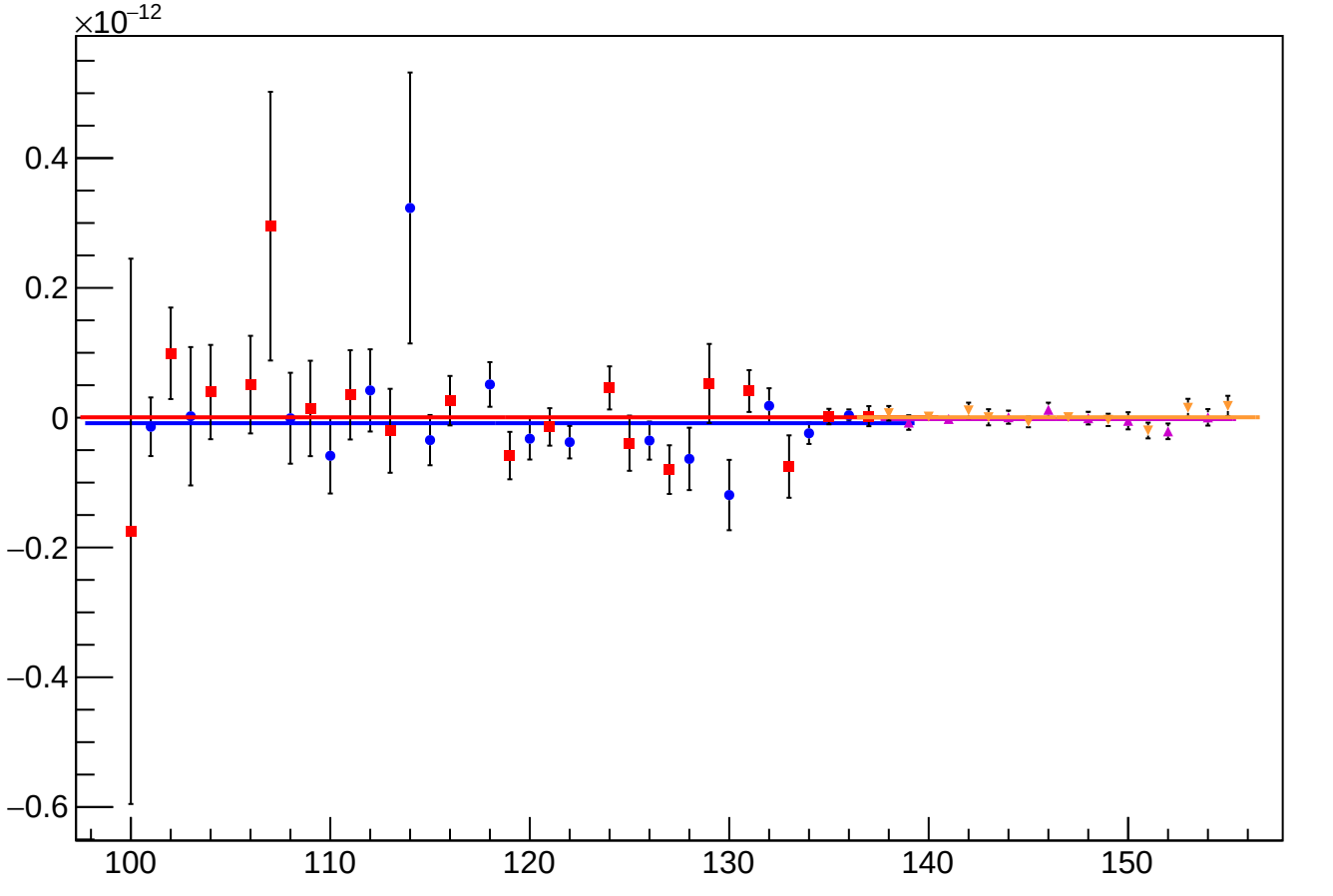
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.239+/-0.010 χ^2/NDF:51453.3/7

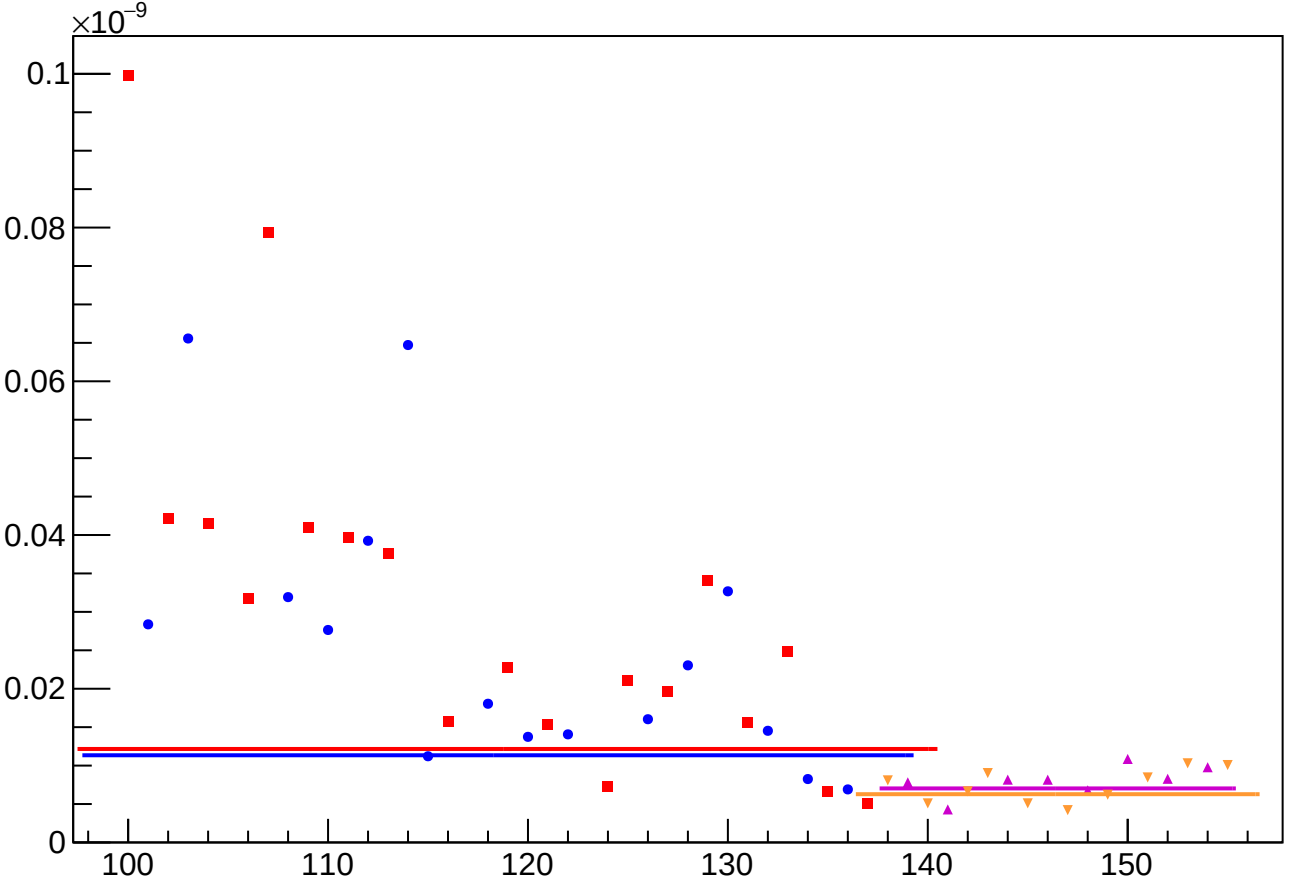
\+ sign 33.133+/-0.007 χ^2/NDF: 3426694.3/25

All: 33.150+/-0.005 χ^2/NDF: 5553386.3/52

\- sign 33.168+/-0.007 χ^2/NDF: 2126678.9/26


asym_at1_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
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: 0.000+/-0.000 χ²/NDF:7.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/18
Left In: -0.000+/-0.000 χ²/NDF:4.6/7
+ sign -0.000+/-0.000 χ²/NDF: 28.1/25
All: -0.000+/-0.000 χ²/NDF: 53.6/52
- sign -0.000+/-0.000 χ²/NDF: 25.5/26

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:768542.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

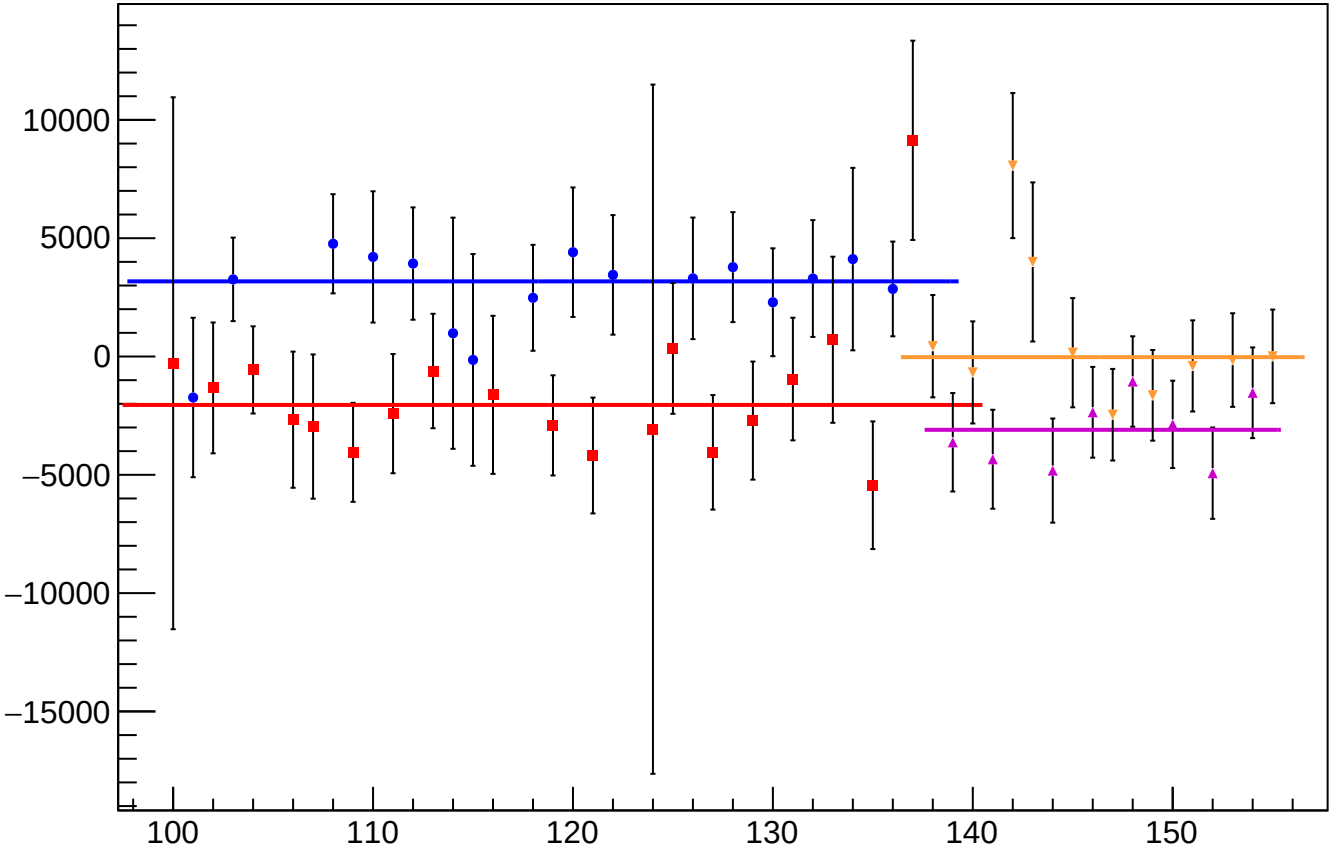
Left In: 0.000+/-0.000 χ^2/NDF:736921.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 4599935.0/25

All: 0.000+/-0.000 χ^2/NDF: 9975041.6/52

- sign 0.000+/-0.000 χ^2/NDF: 5307676.5/26

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -26.879+/-685.001 χ^2/NDF:10.9/9

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

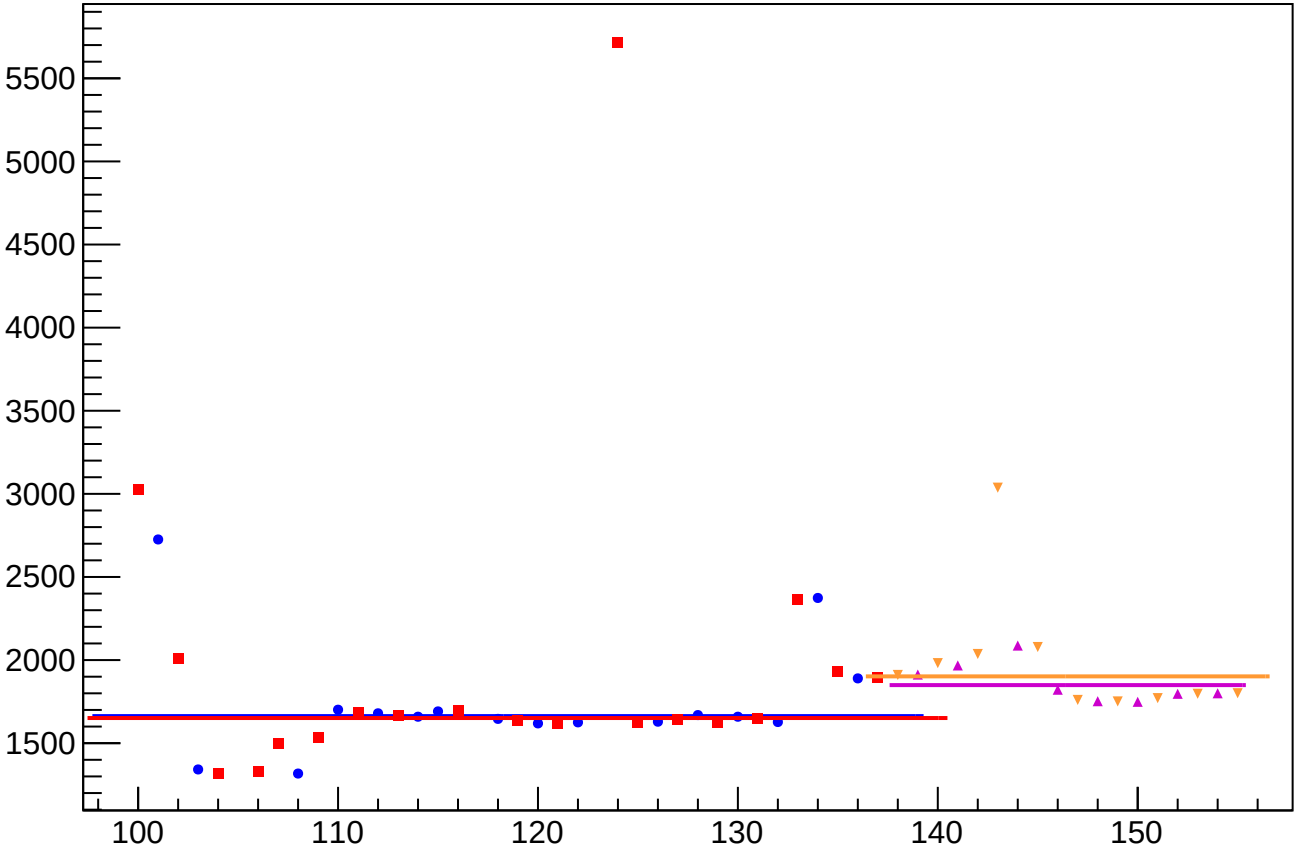
Left In: -3098.184+/-699.212 χ^2/NDF:3.9/7

+ sign 1713.147+/-462.902 χ^2/NDF: 27.1/25

All: -391.638+/-327.892 χ^2/NDF: 87.8/52

- sign -2511.177+/-464.521 χ^2/NDF: 19.2/26

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1901.926+/-0.484 χ^2/NDF:289642.9/9

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

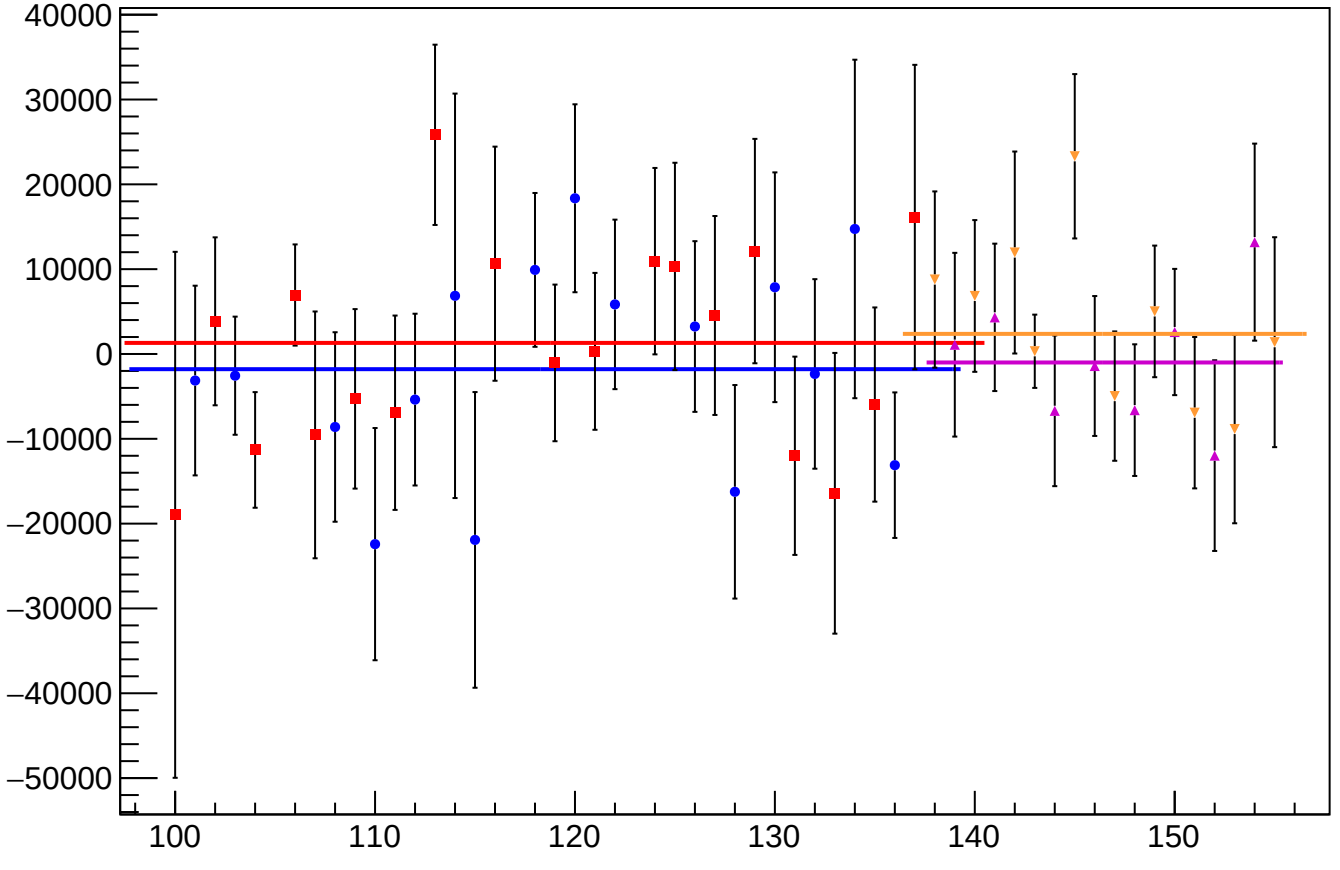
Left In: 1849.418+/-0.494 χ^2/NDF:45885.6/7

+ sign 1772.055+/-0.327 χ^2/NDF: 837586.6/25

All: 1755.462+/-0.232 χ^2/NDF: 1410274.6/52

- sign 1738.753+/-0.328 χ^2/NDF: 567530.6/26

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 2370.171+/-2547.505 χ^2/NDF:9.3/9

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

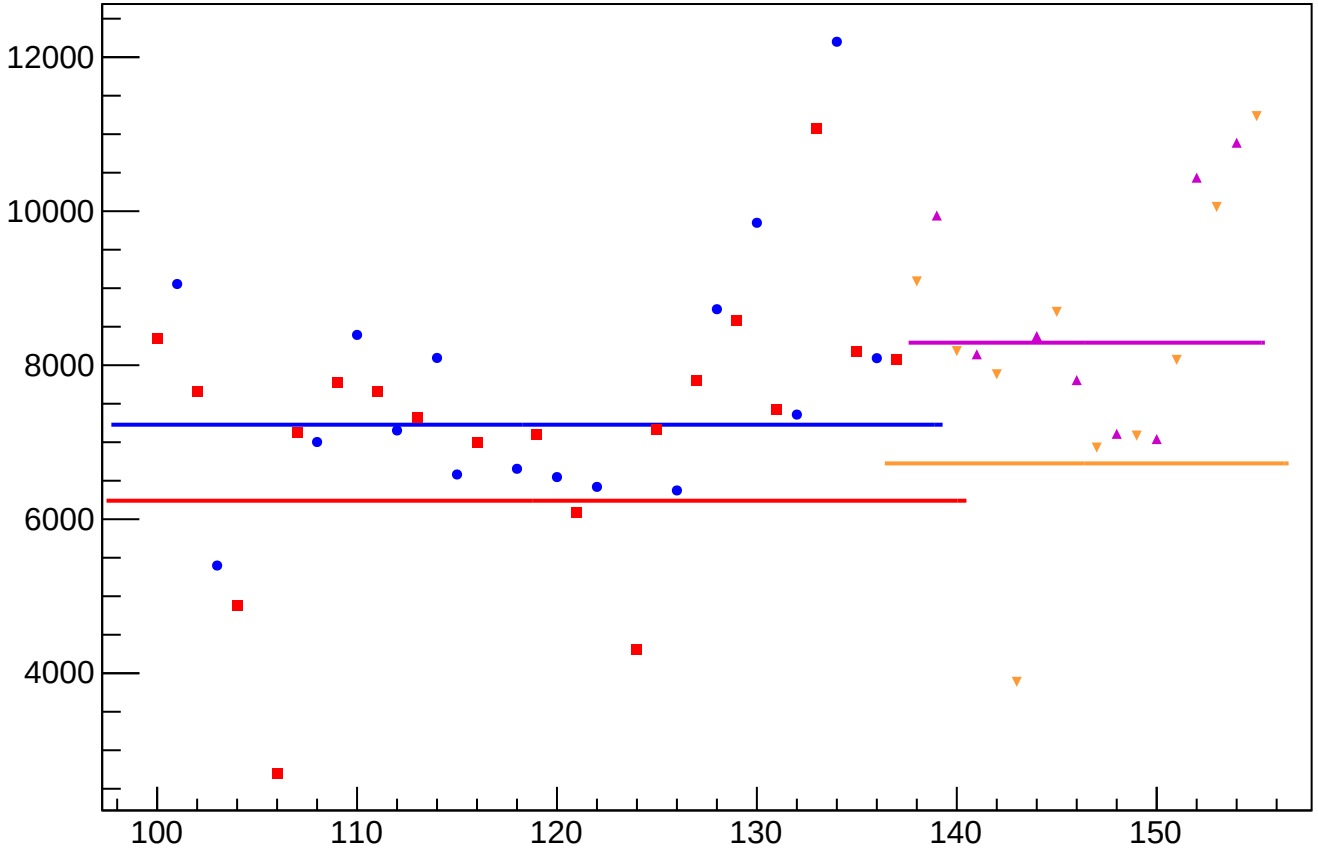
Left In: -1002.301+/-3176.337 χ^2/NDF:4.0/7

+ sign 443.591+/-1866.842 χ^2/NDF: 24.9/25

All: 448.602+/-1341.835 χ^2/NDF: 47.0/52

- sign 453.957+/-1930.017 χ^2/NDF: 22.1/26

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6724.843+/-1.801 χ^2/NDF:1617281.0/9

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

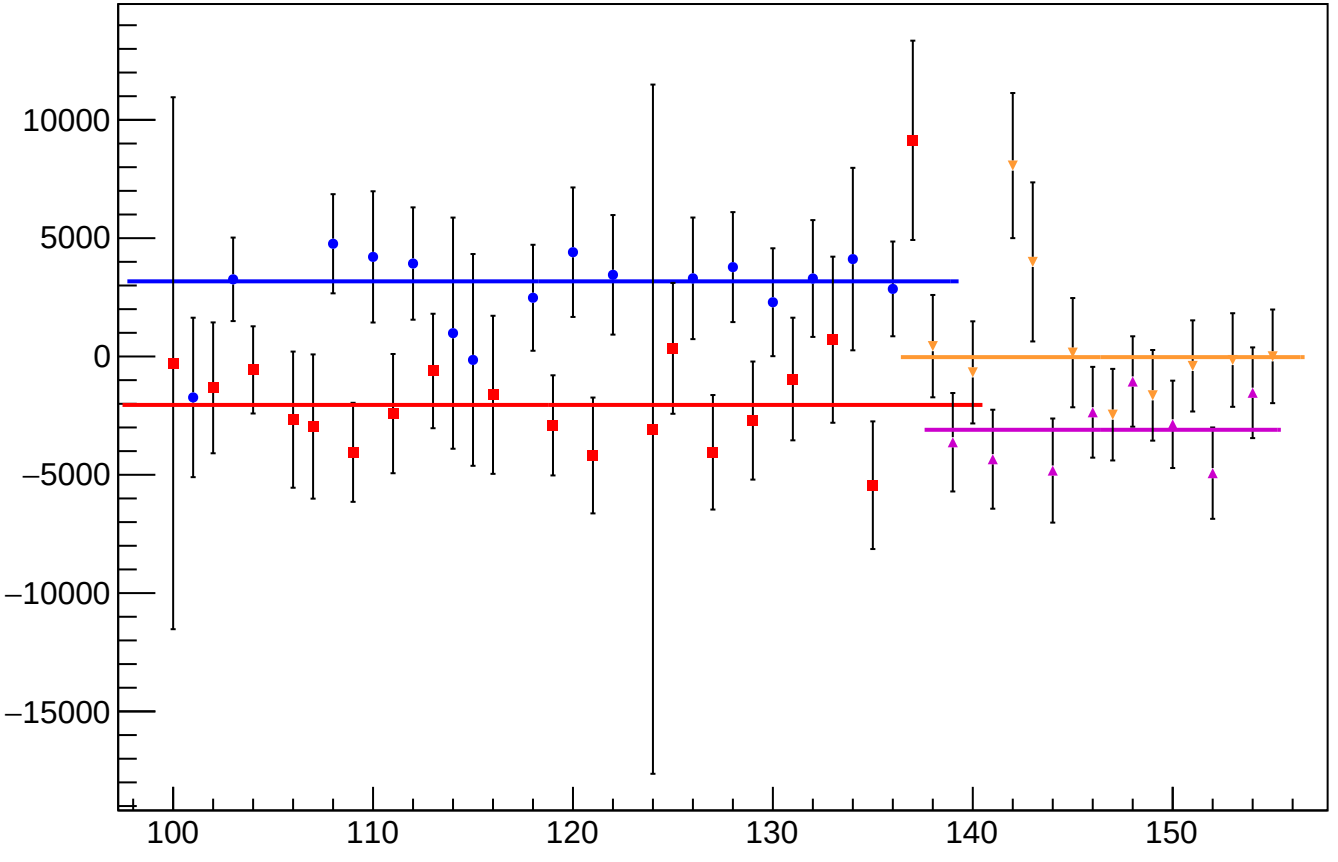
Left In: 8292.848+/-2.246 χ^2/NDF:329876.5/7

+ sign 6957.608+/-1.320 χ^2/NDF: 2156605.3/25

All: 6977.266+/-0.949 χ^2/NDF: 4412691.9/52

- sign 6998.276+/-1.365 χ^2/NDF: 2255627.9/26

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -26.892+/-685.001 χ^2/NDF:10.9/9

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

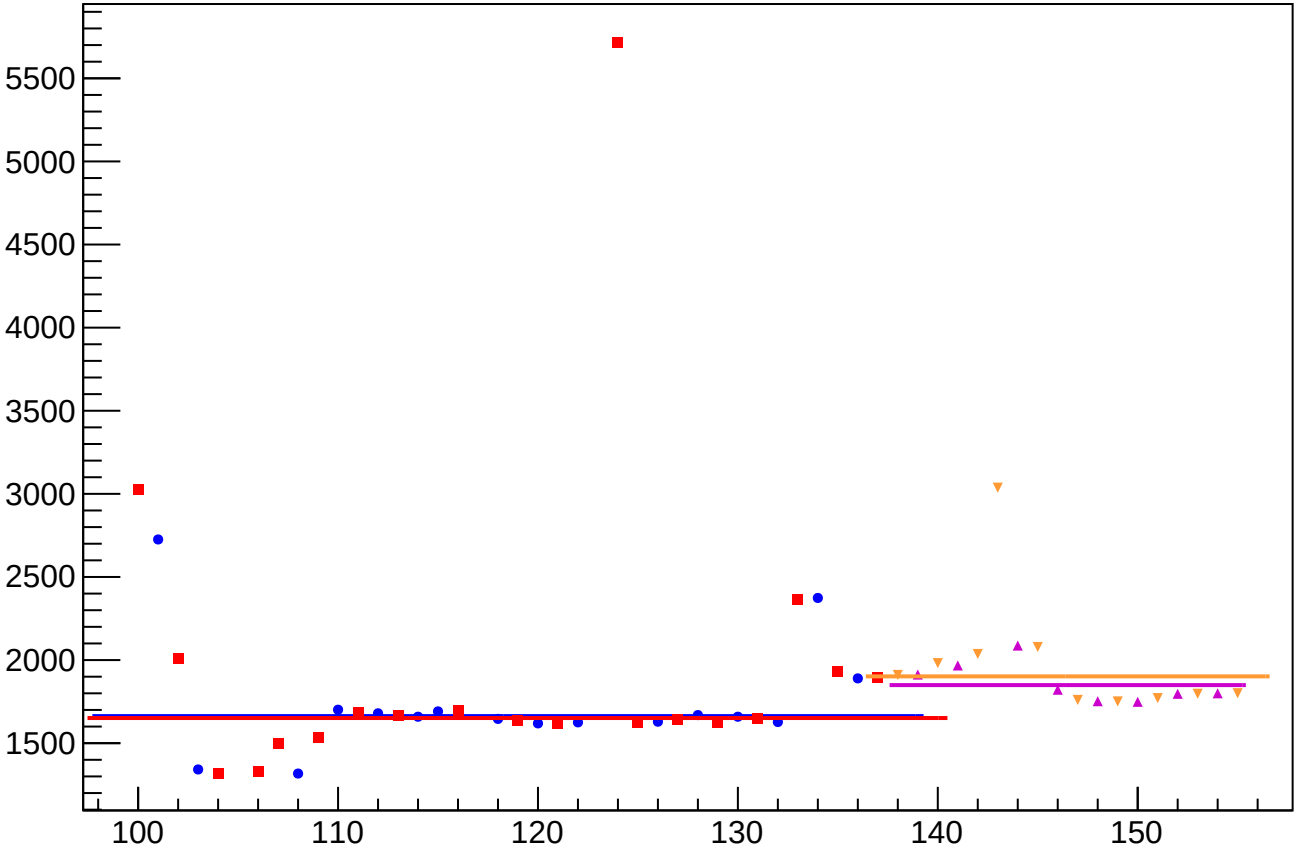
Left In: -3098.349+/-699.212 χ^2/NDF:3.9/7

+ sign 1713.190+/-462.902 χ^2/NDF: 27.1/25

All: -391.599+/-327.892 χ^2/NDF: 87.8/52

- sign -2511.141+/-464.521 χ^2/NDF: 19.2/26

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1901.926+/-0.484 χ^2/NDF:289642.9/9

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

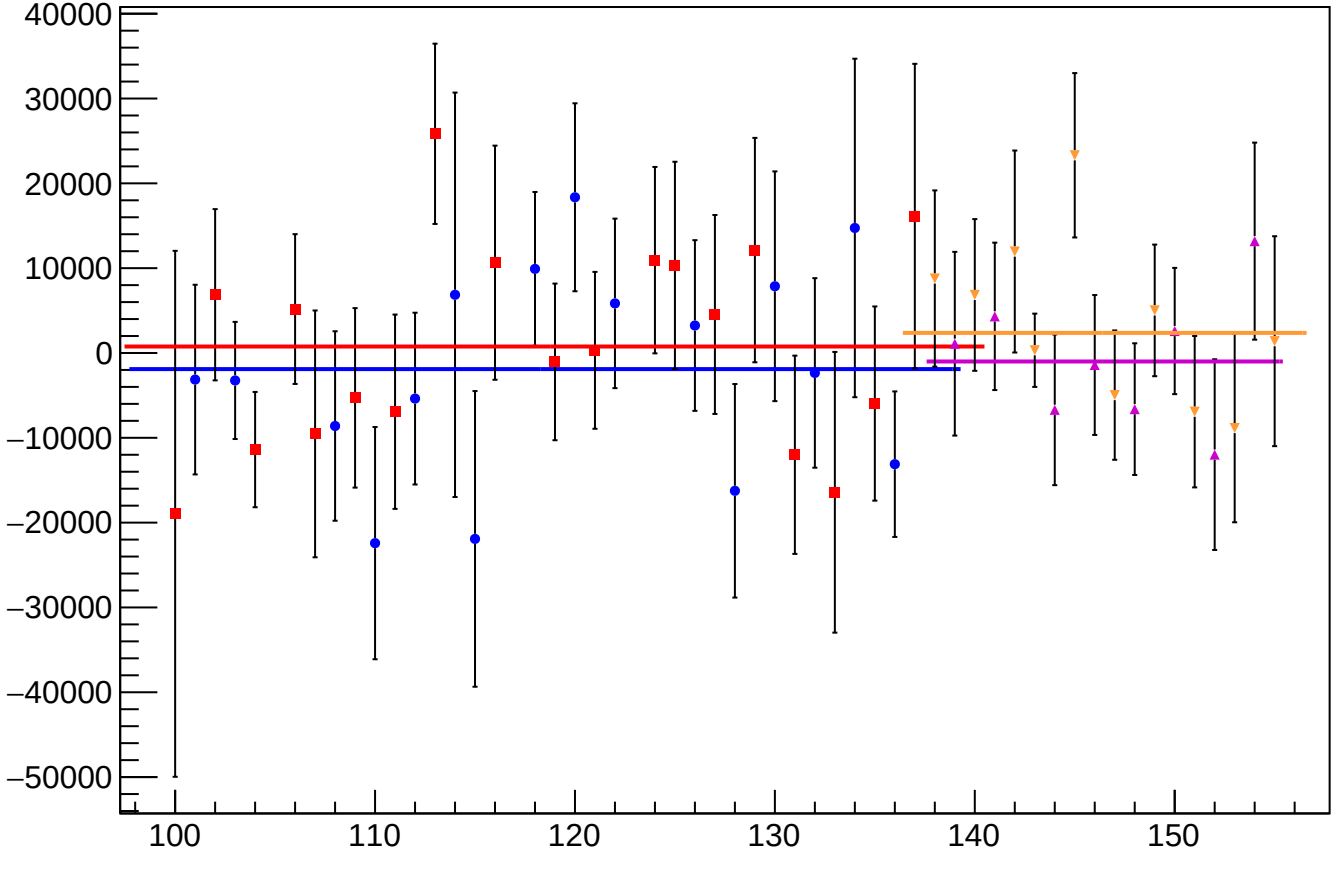
Left In: 1849.418+/-0.494 χ^2/NDF:45885.6/7

+ sign 1772.055+/-0.327 χ^2/NDF: 837587.0/25

All: 1755.462+/-0.232 χ^2/NDF: 1410275.3/52

- sign 1738.753+/-0.328 χ^2/NDF: 567530.9/26

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 2370.078+/-2547.494 χ^2/NDF:9.3/9

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

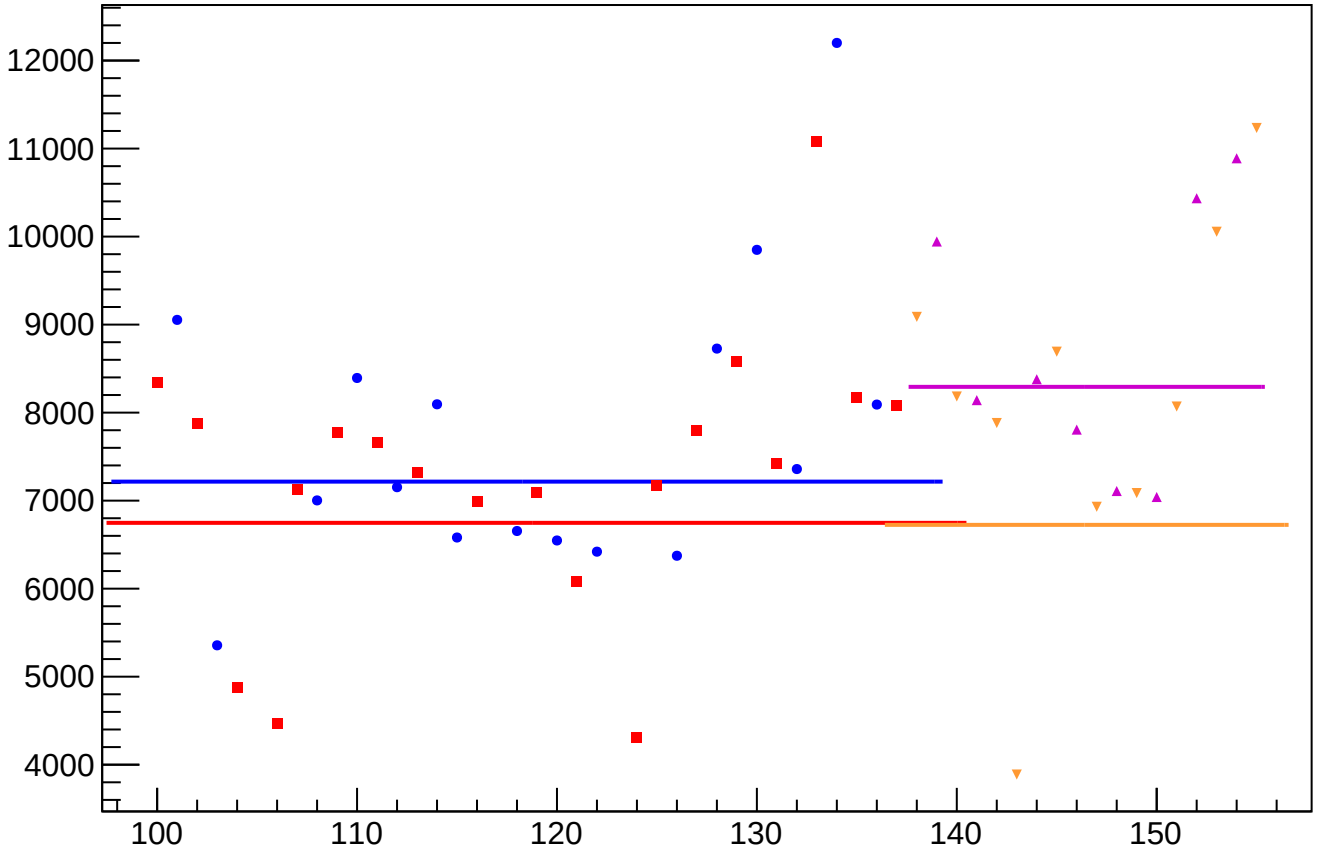
Left In: -1002.443+/-3176.335 χ^2/NDF:4.0/7

+ sign 390.204+/-1865.683 χ^2/NDF: 25.0/25

All: 240.675+/-1360.572 χ^2/NDF: 46.5/52

- sign 70.818+/-1988.458 χ^2/NDF: 21.5/26

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6724.805+/-1.801 χ^2/NDF:1617324.0/9

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

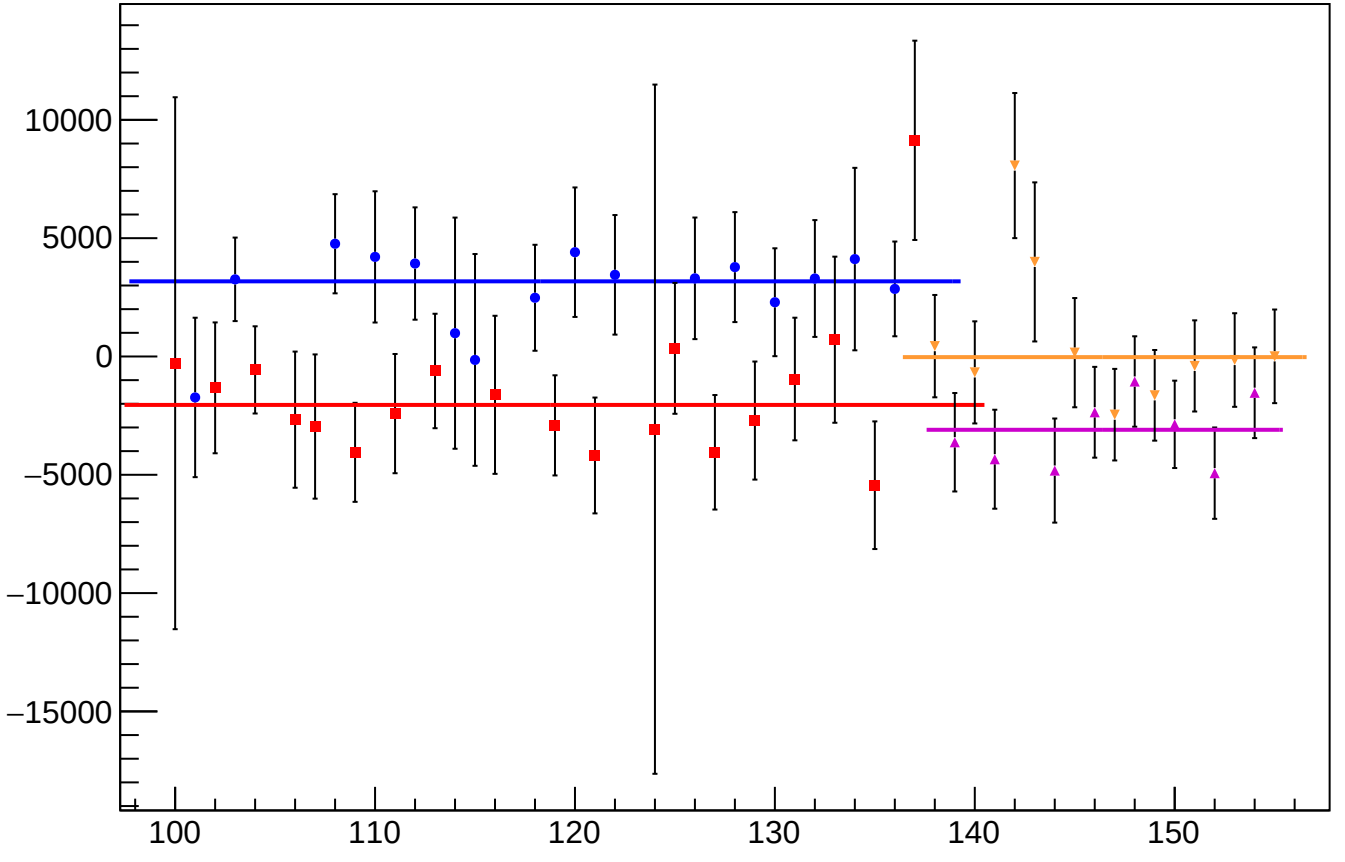
Left In: 8292.841+/-2.246 χ^2/NDF:329877.4/7

+ sign 6952.561+/-1.319 χ^2/NDF: 2163929.2/25

All: 7140.163+/-0.962 χ^2/NDF: 3533576.9/52

- sign 7353.270+/-1.406 χ^2/NDF: 1326453.8/26

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -26.892+/-685.001 χ^2/NDF:10.9/9

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

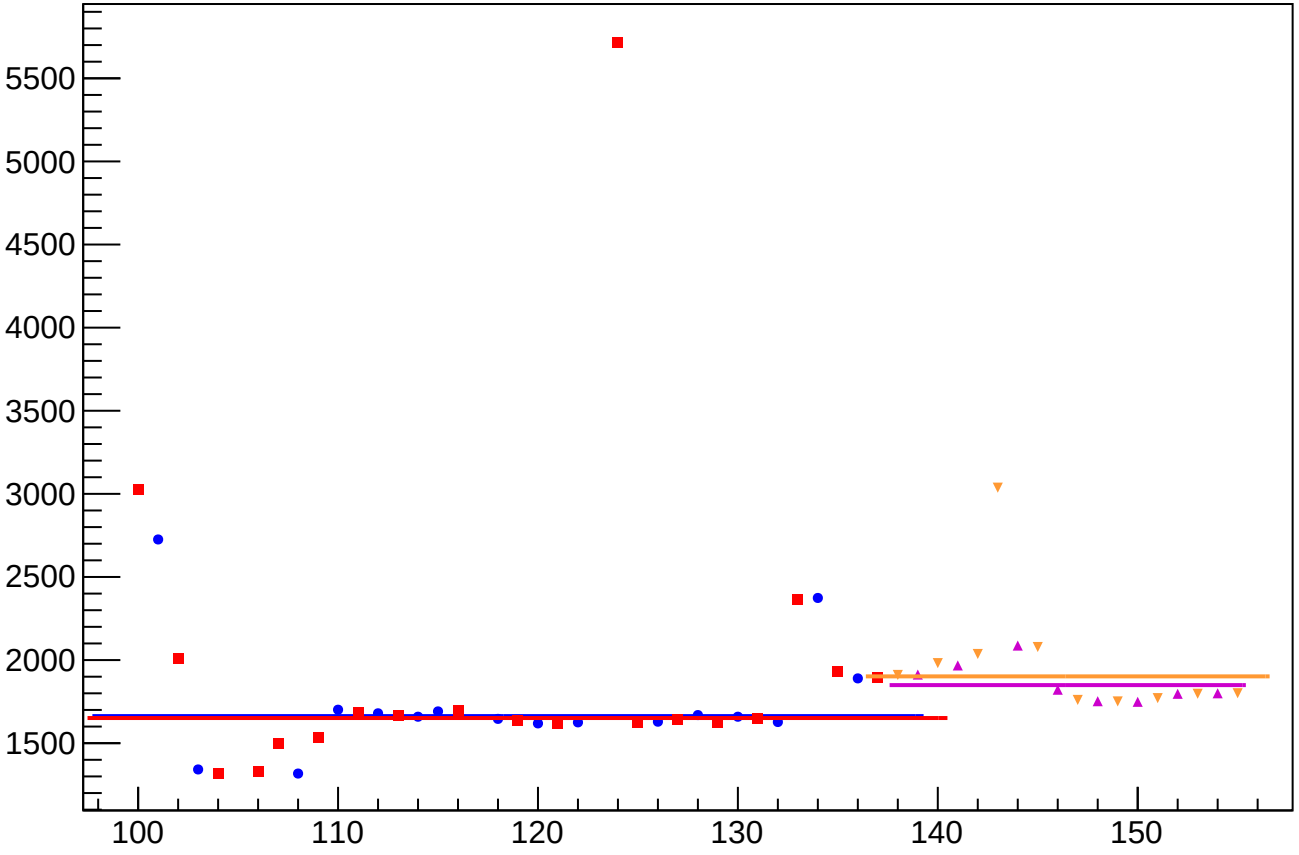
Left In: -3098.349+/-699.212 χ^2/NDF:3.9/7

+ sign 1713.190+/-462.902 χ^2/NDF: 27.1/25

All: -391.599+/-327.892 χ^2/NDF: 87.8/52

- sign -2511.141+/-464.521 χ^2/NDF: 19.2/26

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1901.926+/-0.484 χ^2/NDF:289642.9/9

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

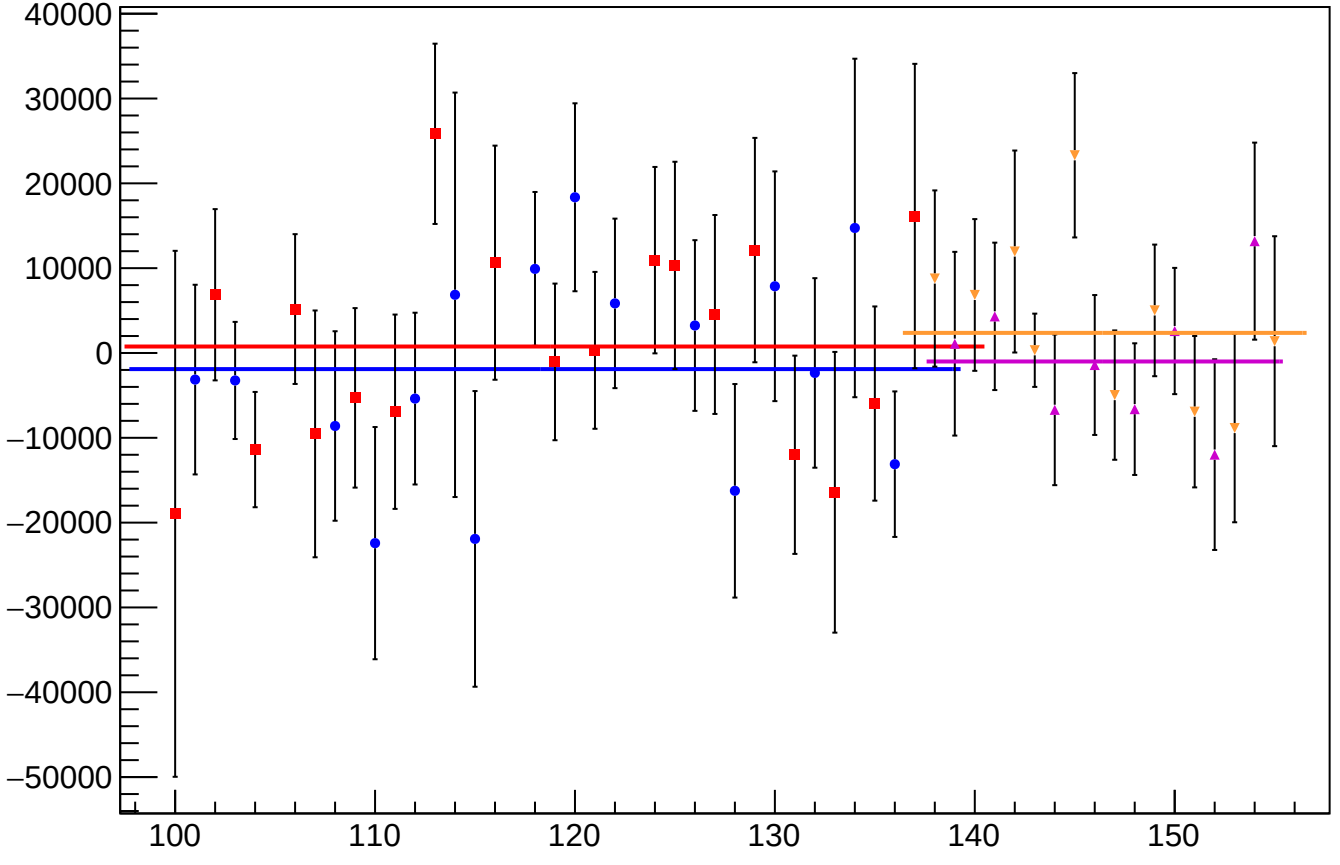
Left In: 1849.418+/-0.494 χ^2/NDF:45885.6/7

+ sign 1772.055+/-0.327 χ^2/NDF: 837587.0/25

All: 1755.462+/-0.232 χ^2/NDF: 1410275.3/52

- sign 1738.753+/-0.328 χ^2/NDF: 567530.9/26

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 2370.078+/-2547.494 χ^2/NDF:9.3/9

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

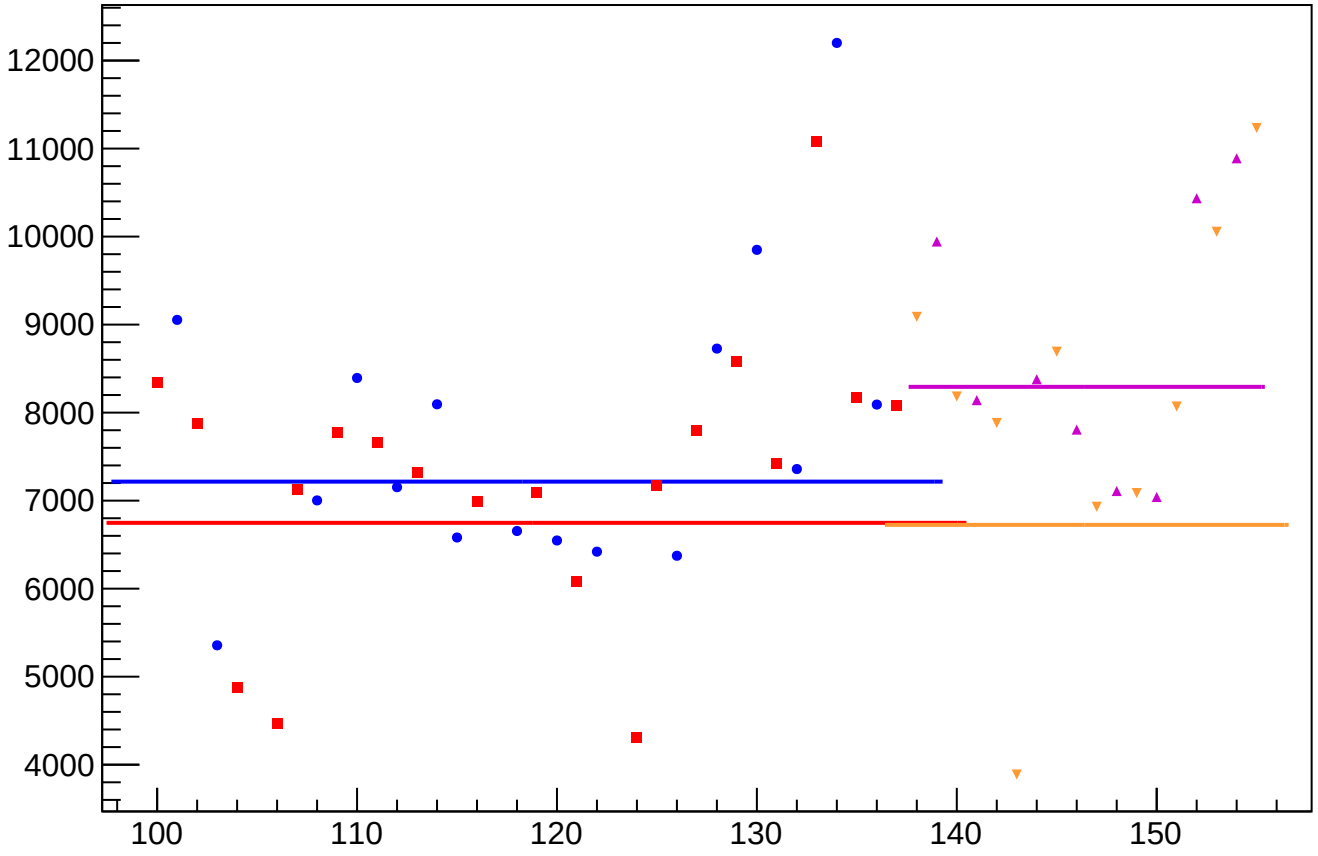
Left In: -1002.443+/-3176.335 χ^2/NDF:4.0/7

\+ sign 390.204+/-1865.683 χ^2/NDF: 25.0/25

All: 240.675+/-1360.572 χ^2/NDF: 46.5/52

\- sign 70.818+/-1988.458 χ^2/NDF: 21.5/26

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6724.805+/-1.801 χ^2/NDF:1617324.0/9

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

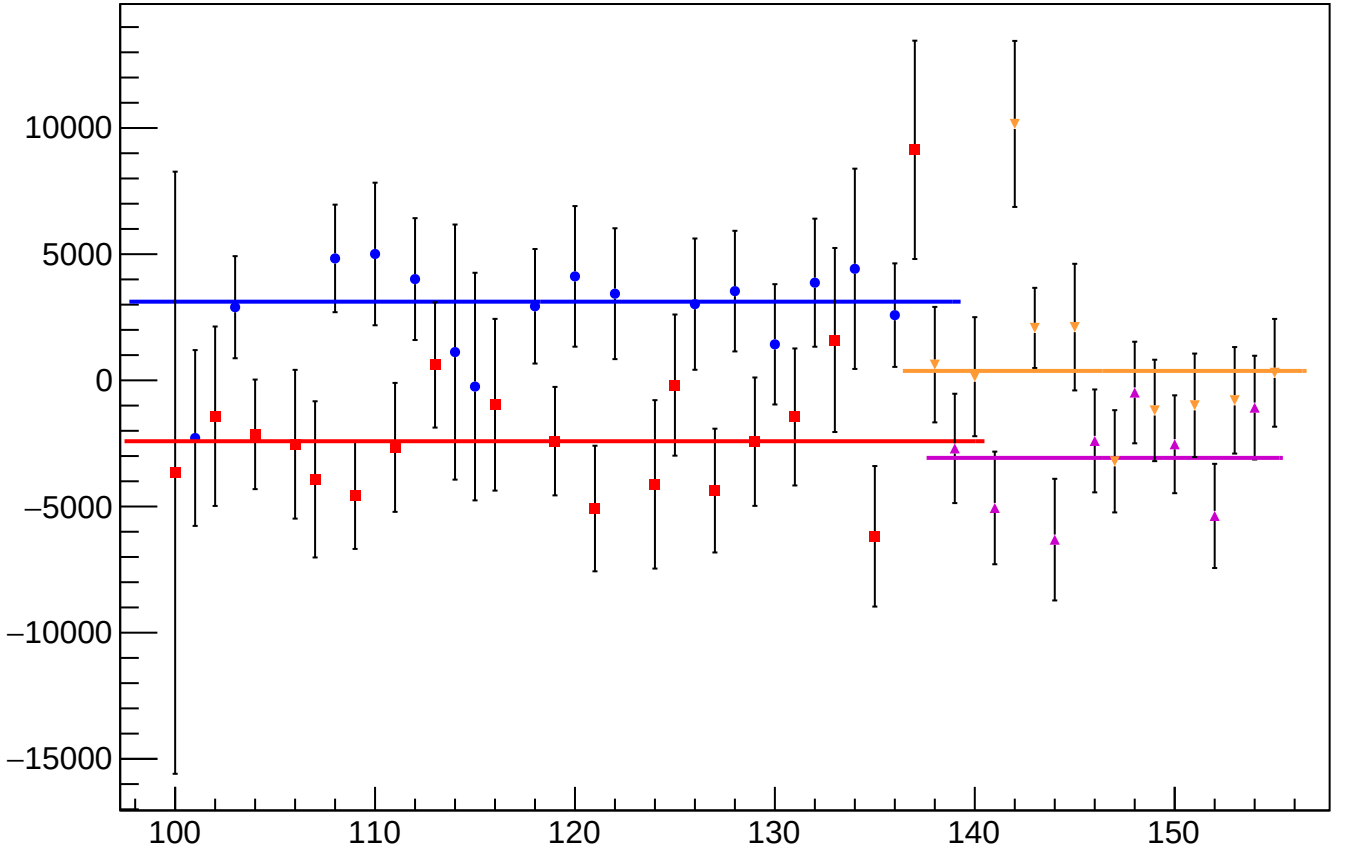
Left In: 8292.841+/-2.246 χ^2/NDF:329877.4/7

+ sign 6952.561+/-1.319 χ^2/NDF: 2163929.2/25

All: 7140.163+/-0.962 χ^2/NDF: 3533576.9/52

- sign 7353.270+/-1.406 χ^2/NDF: 1326453.8/26

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 373.664+/-675.562 χ^2/NDF:15.0/9

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

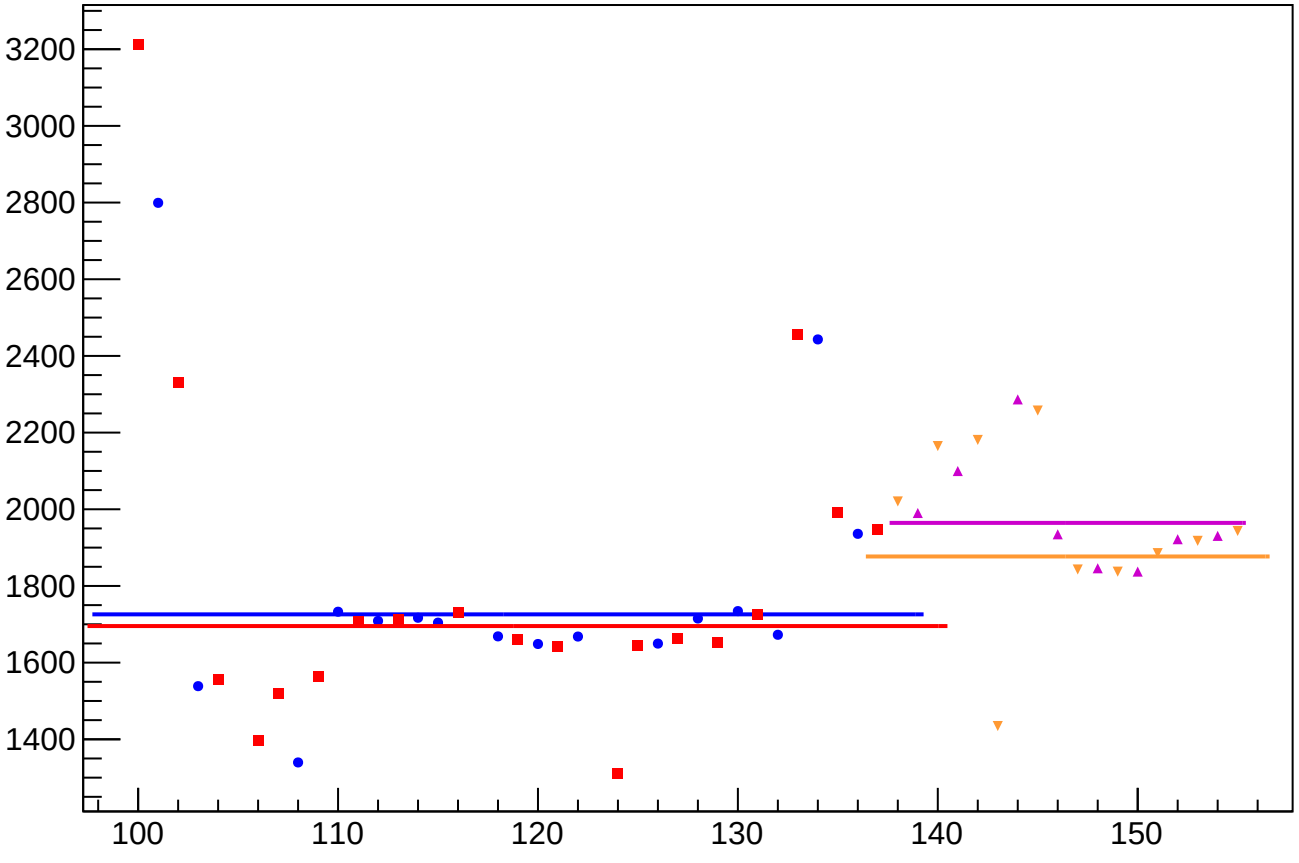
Left In: -3072.802+/-743.282 χ^2/NDF:6.6/7

+ sign 1796.315+/-468.814 χ^2/NDF: 28.8/25

All: -374.270+/-336.931 χ^2/NDF: 96.3/52

- sign -2693.112+/-484.560 χ^2/NDF: 23.1/26

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1876.890+/-0.478 χ^2/NDF:259983.5/9

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

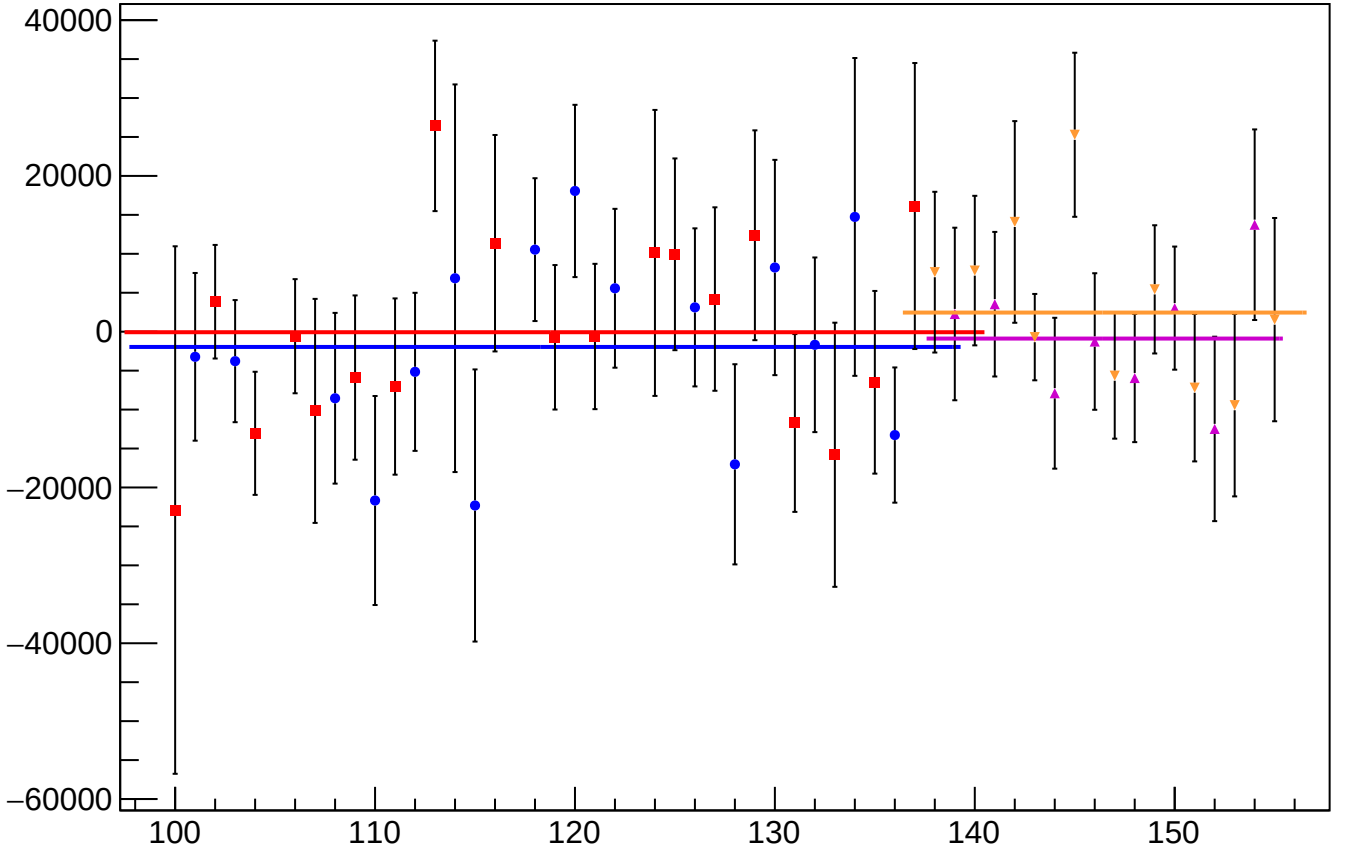
Left In: 1964.492+/-0.526 χ^2/NDF:60656.5/7

+ sign 1798.620+/-0.332 χ^2/NDF: 677408.9/25

All: 1803.982+/-0.238 χ^2/NDF: 1175018.2/52

- sign 1809.708+/-0.343 χ^2/NDF: 497068.3/26

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 2455.830+/-2861.194 χ^2/NDF:9.6/9

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

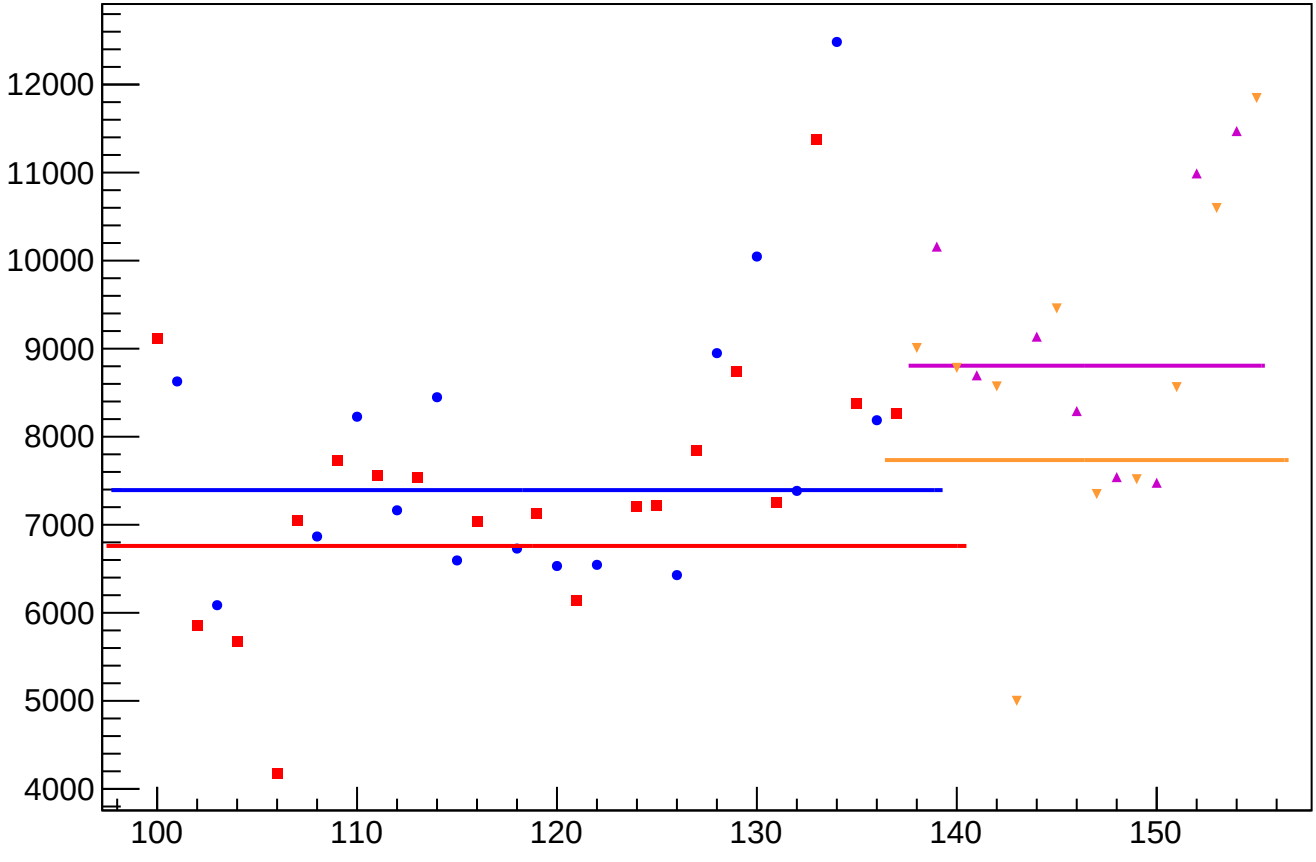
Left In: -883.096+/-3370.758 χ^2/NDF:3.8/7

+ sign 199.591+/-2000.566 χ^2/NDF: 25.2/25

All: -77.922+/-1422.549 χ^2/NDF: 45.2/52

- sign -361.751+/-2023.201 χ^2/NDF: 20.0/26

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7734.880+/-2.023 χ^2/NDF:942019.7/9

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

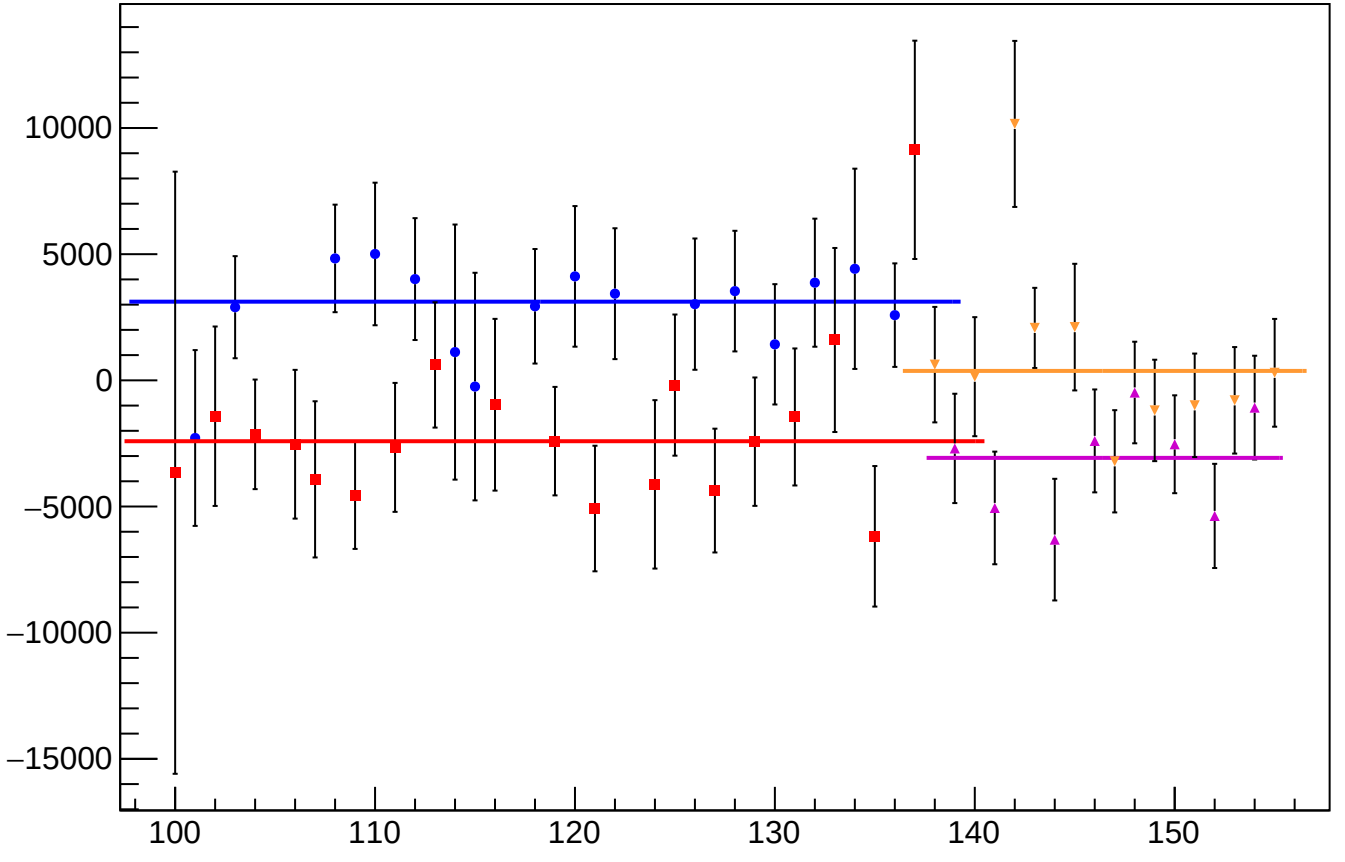
Left In: 8806.634+/-2.383 χ^2/NDF:306090.5/7

+ sign 7560.460+/-1.415 χ^2/NDF: 1358388.2/25

All: 7529.070+/-1.006 χ^2/NDF: 2781717.1/52

- sign 7496.966+/-1.431 χ^2/NDF: 1422333.0/26

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 373.660+/-675.563 χ^2/NDF:15.0/9

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

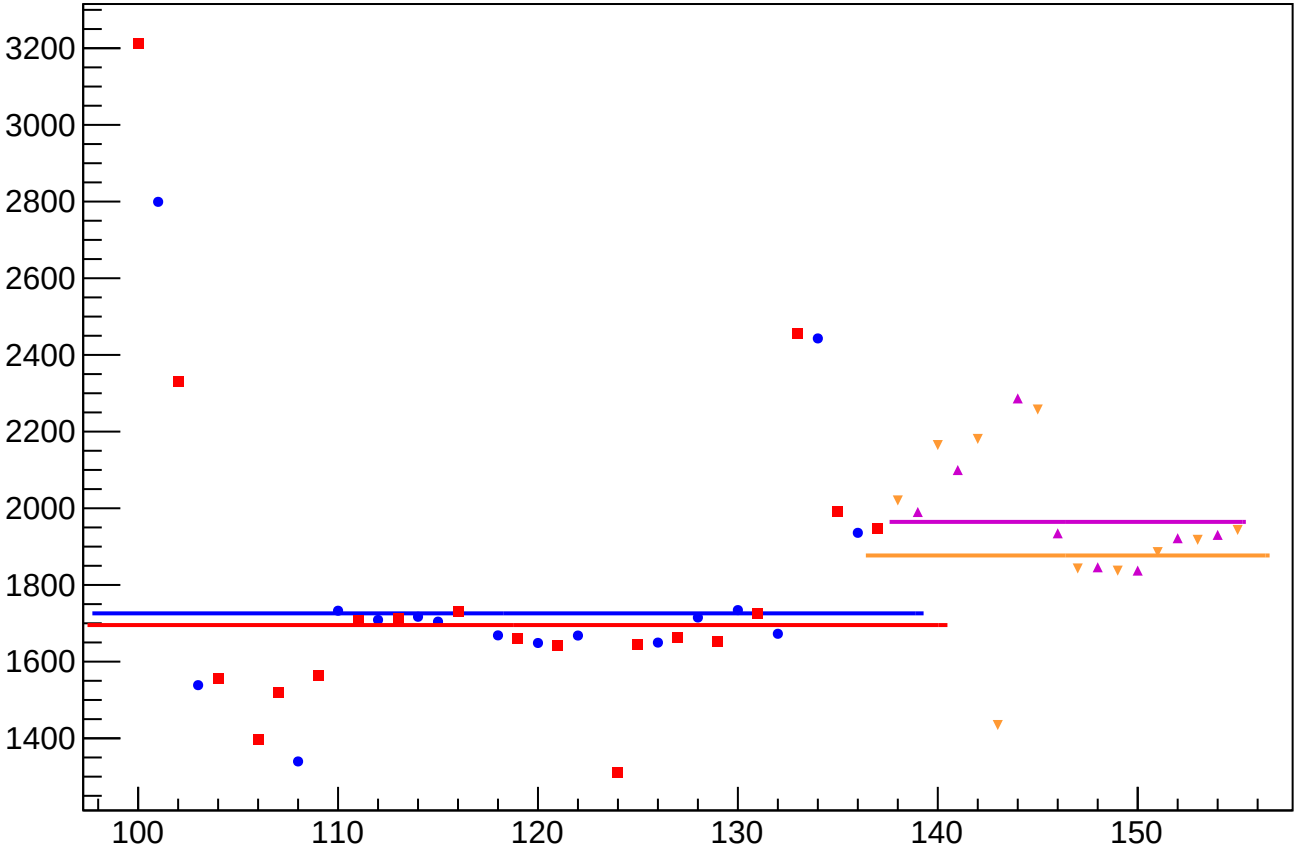
Left In: -3072.798+/-743.283 χ^2/NDF:6.6/7

+ sign 1796.317+/-468.814 χ^2/NDF: 28.8/25

All: -374.270+/-336.931 χ^2/NDF: 96.3/52

- sign -2693.114+/-484.560 χ^2/NDF: 23.1/26

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1876.893+/-0.478 χ^2/NDF:259984.0/9

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

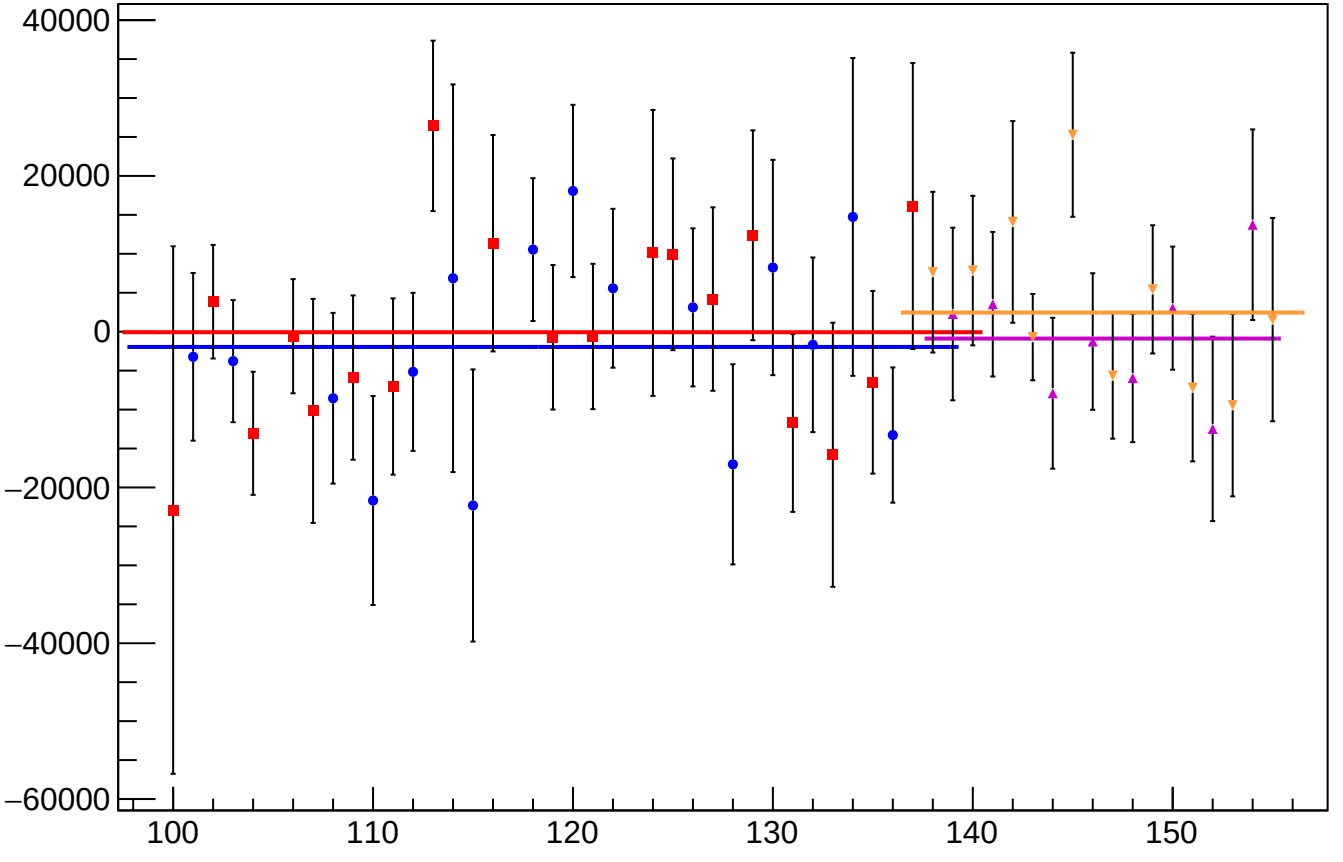
Left In: 1964.495+/-0.526 χ^2/NDF:60656.8/7

+ sign 1798.621+/-0.332 χ^2/NDF: 677411.5/25

All: 1803.983+/-0.238 χ^2/NDF: 1175024.5/52

- sign 1809.708+/-0.343 χ^2/NDF: 497072.1/26

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 2455.824+/-2861.198 χ^2/NDF:9.6/9

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

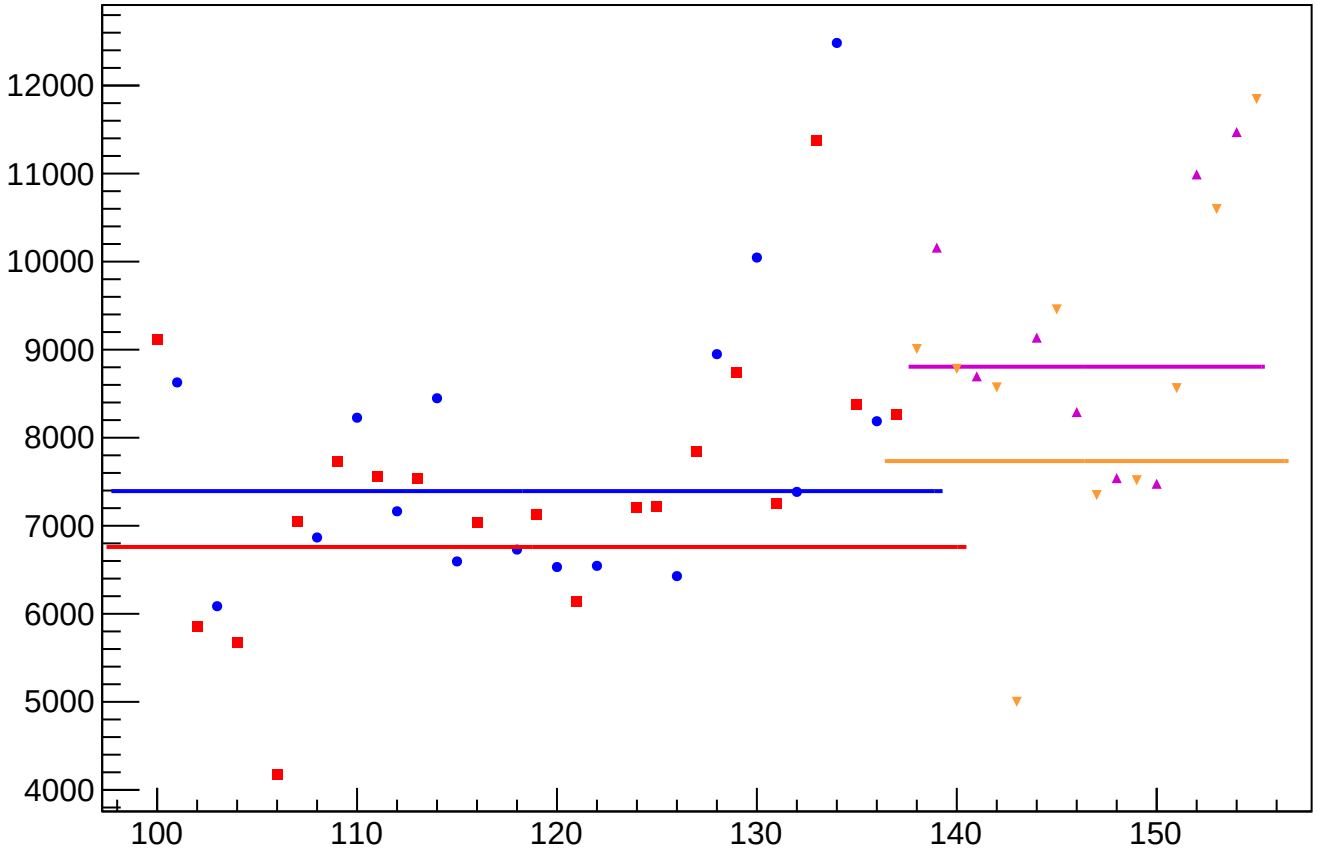
Left In: -883.092+/-3370.763 χ^2/NDF:3.8/7

+ sign 199.591+/-2000.565 χ^2/NDF: 25.2/25

All: -77.923+/-1422.548 χ^2/NDF: 45.2/52

- sign -361.753+/-2023.199 χ^2/NDF: 20.0/26

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7734.892+/-2.023 χ^2/NDF:942019.1/9

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

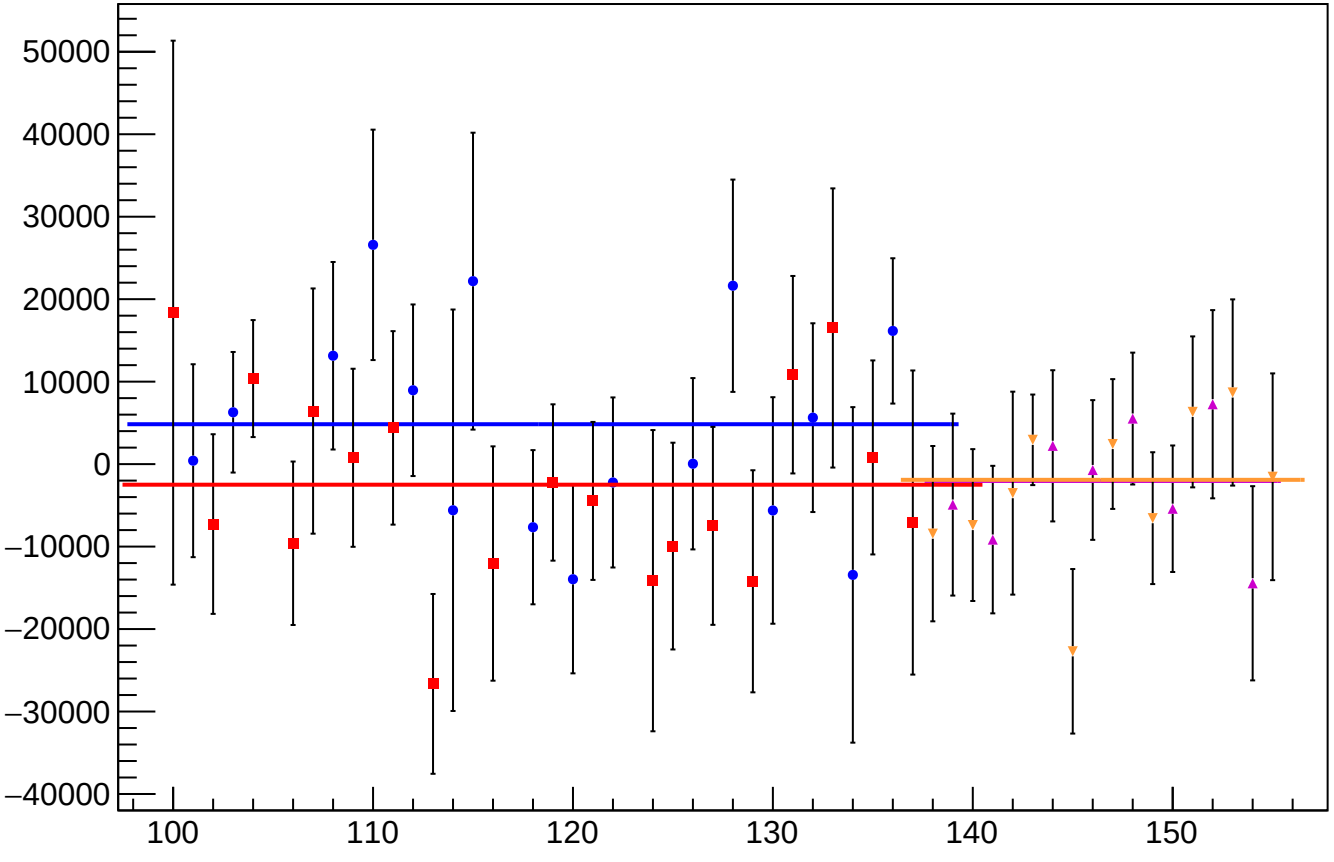
Left In: 8806.645+/-2.383 χ^2/NDF:306091.0/7

+ sign 7560.456+/-1.415 χ^2/NDF: 1358392.3/25

All: 7529.064+/-1.006 χ^2/NDF: 2781732.4/52

- sign 7496.957+/-1.431 χ^2/NDF: 1422344.0/26

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1905.438+/-2790.562 χ^2/NDF:8.2/9

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

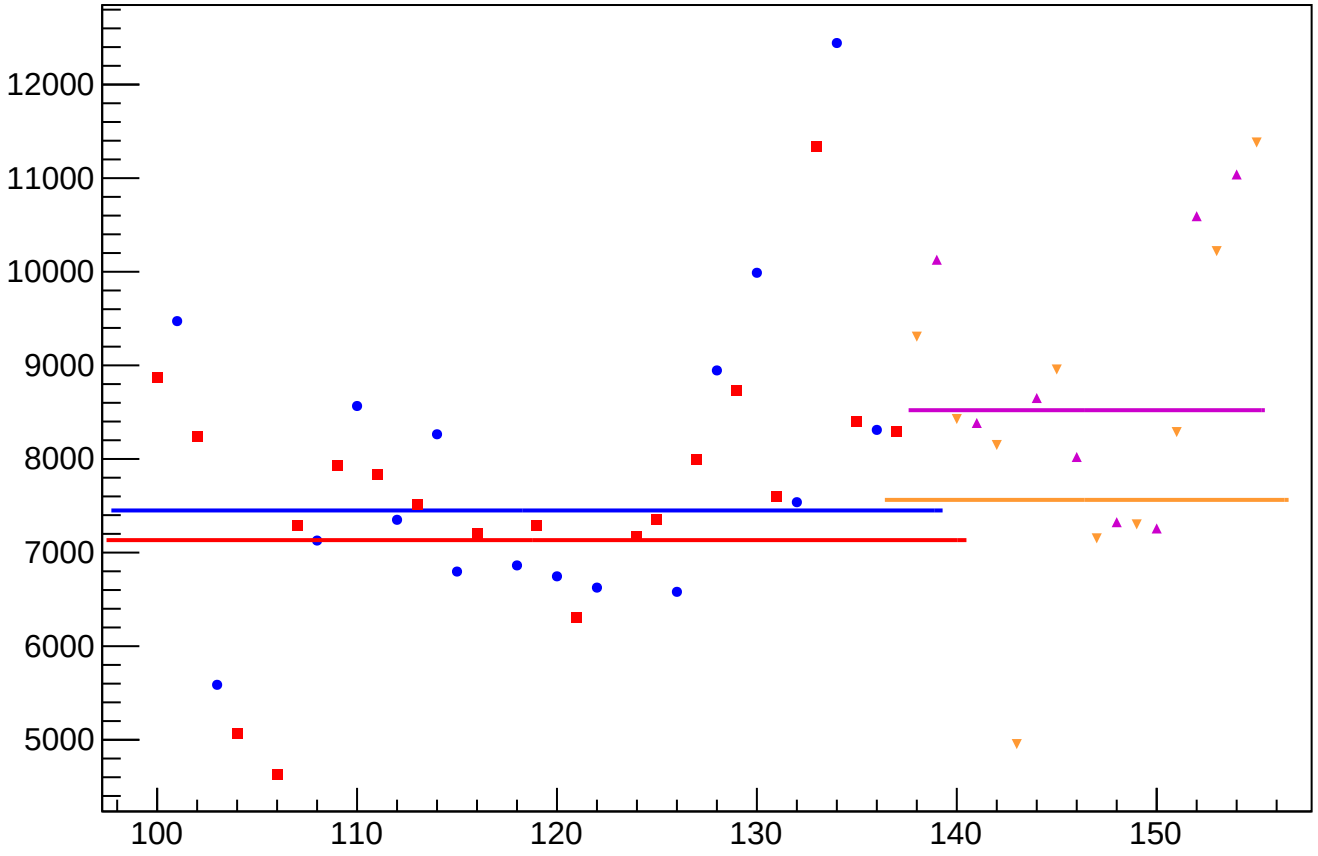
Left In: -2043.692+/-3260.159 χ^2/NDF:3.8/7

+ sign 1420.167+/-1986.647 χ^2/NDF: 25.4/25

All: -362.725+/-1435.788 χ^2/NDF: 45.8/52

- sign -2312.253+/-2077.414 χ^2/NDF: 18.7/26

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7563.041+/-1.973 χ^2/NDF:882937.6/9

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

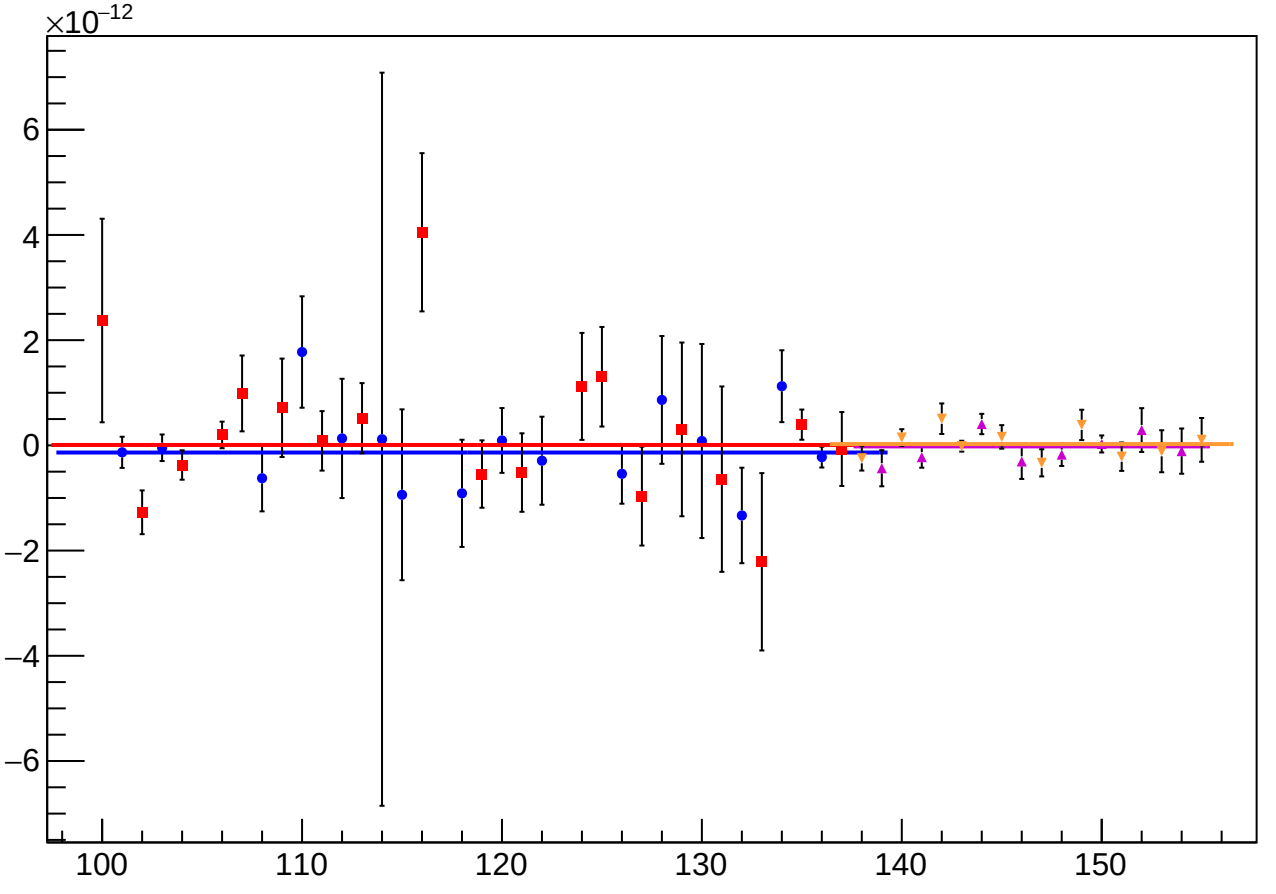
Left In: 8521.140+/-2.305 χ^2/NDF:306820.5/7

+ sign 7507.284+/-1.405 χ^2/NDF: 1370984.2/25

All: 7597.749+/-1.015 χ^2/NDF: 2458821.6/52

- sign 7696.661+/-1.469 χ^2/NDF: 1079155.9/26

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:9.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

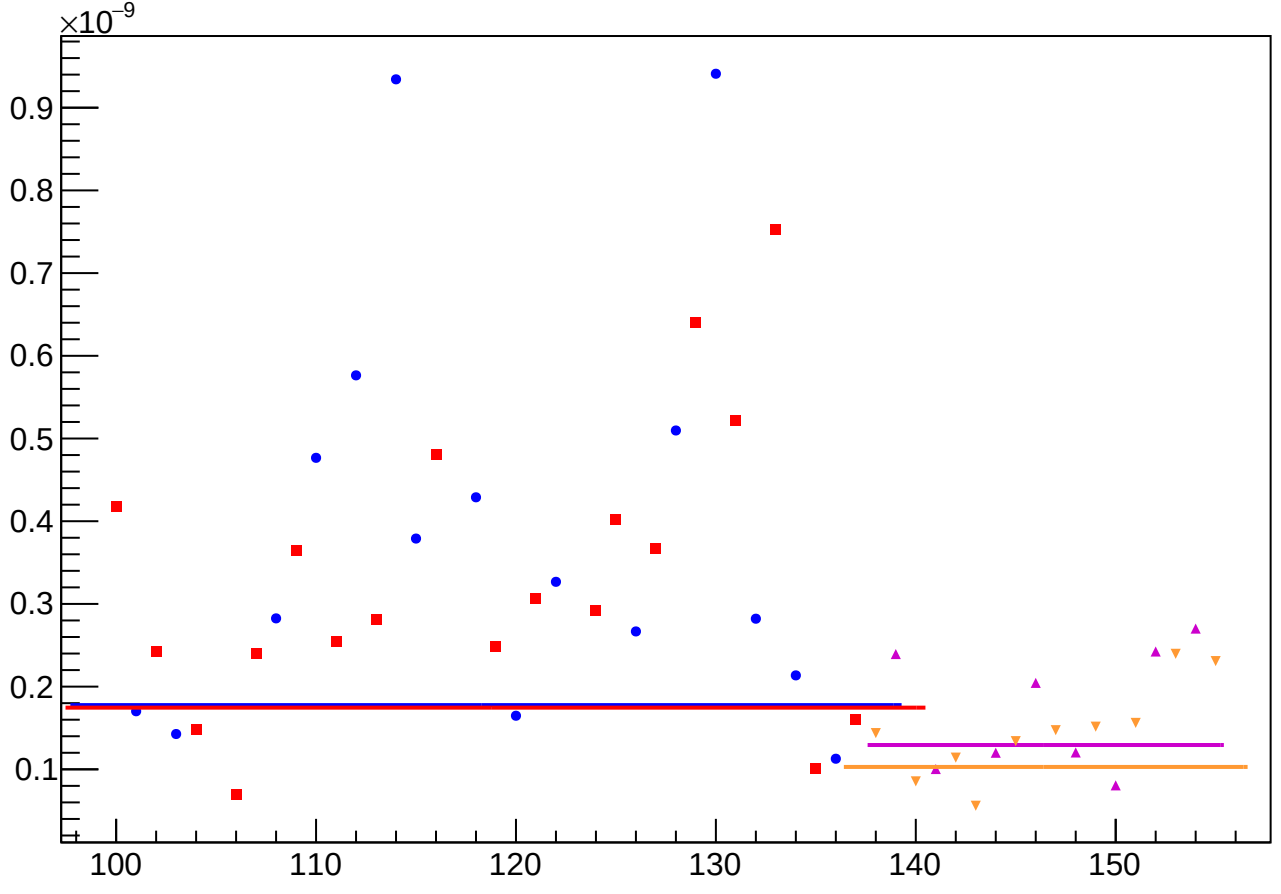
Left In: -0.000+/-0.000 χ^2/NDF:9.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 22.6/25

All: -0.000+/-0.000 χ^2/NDF: 64.7/52

- sign -0.000+/-0.000 χ^2/NDF: 42.1/26

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:1156967.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

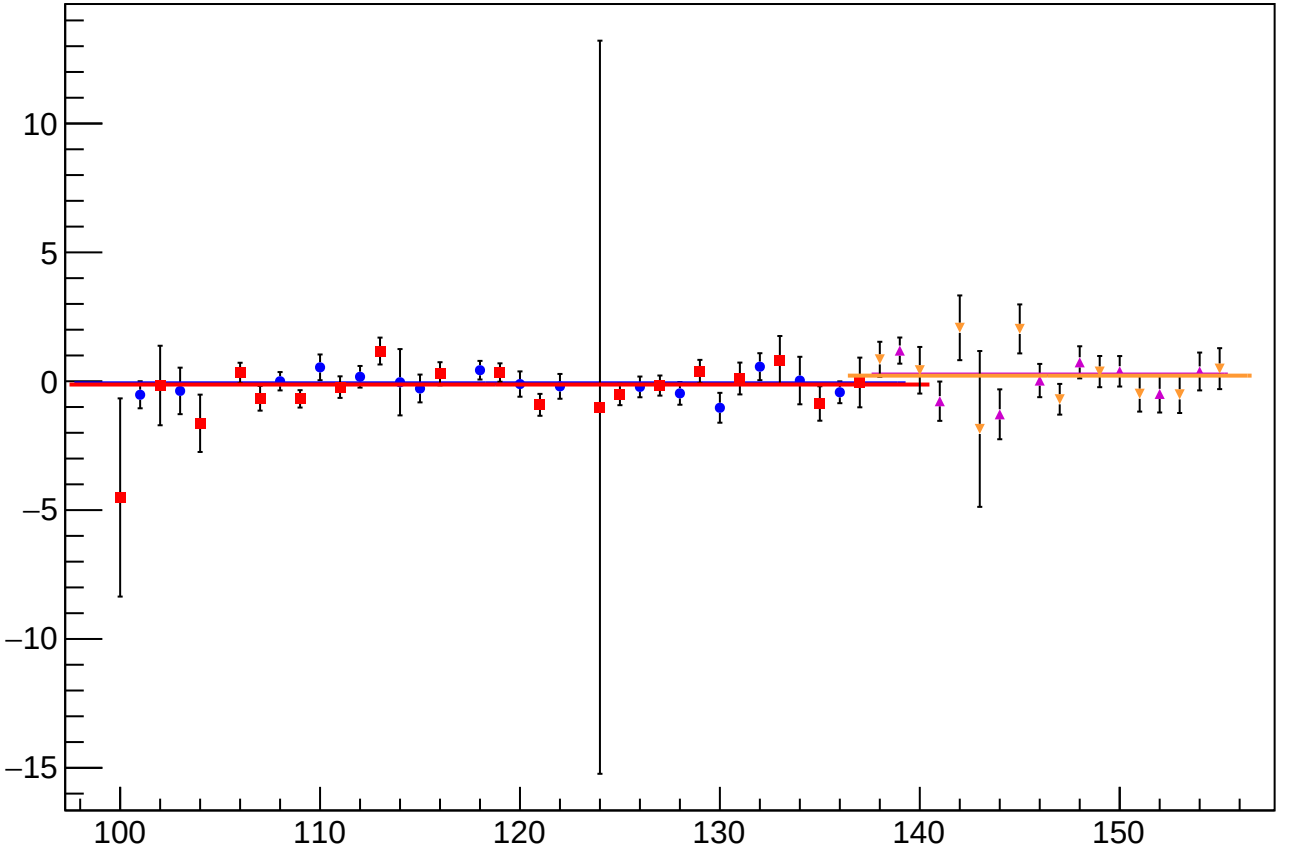
Left In: 0.000+/-0.000 χ^2/NDF:900810.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 3287989.1/25

All: 0.000+/-0.000 χ^2/NDF: 6154782.2/52

- sign 0.000+/-0.000 χ^2/NDF: 2725379.1/26

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.218+/-0.247 χ^2/NDF:11.8/9

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

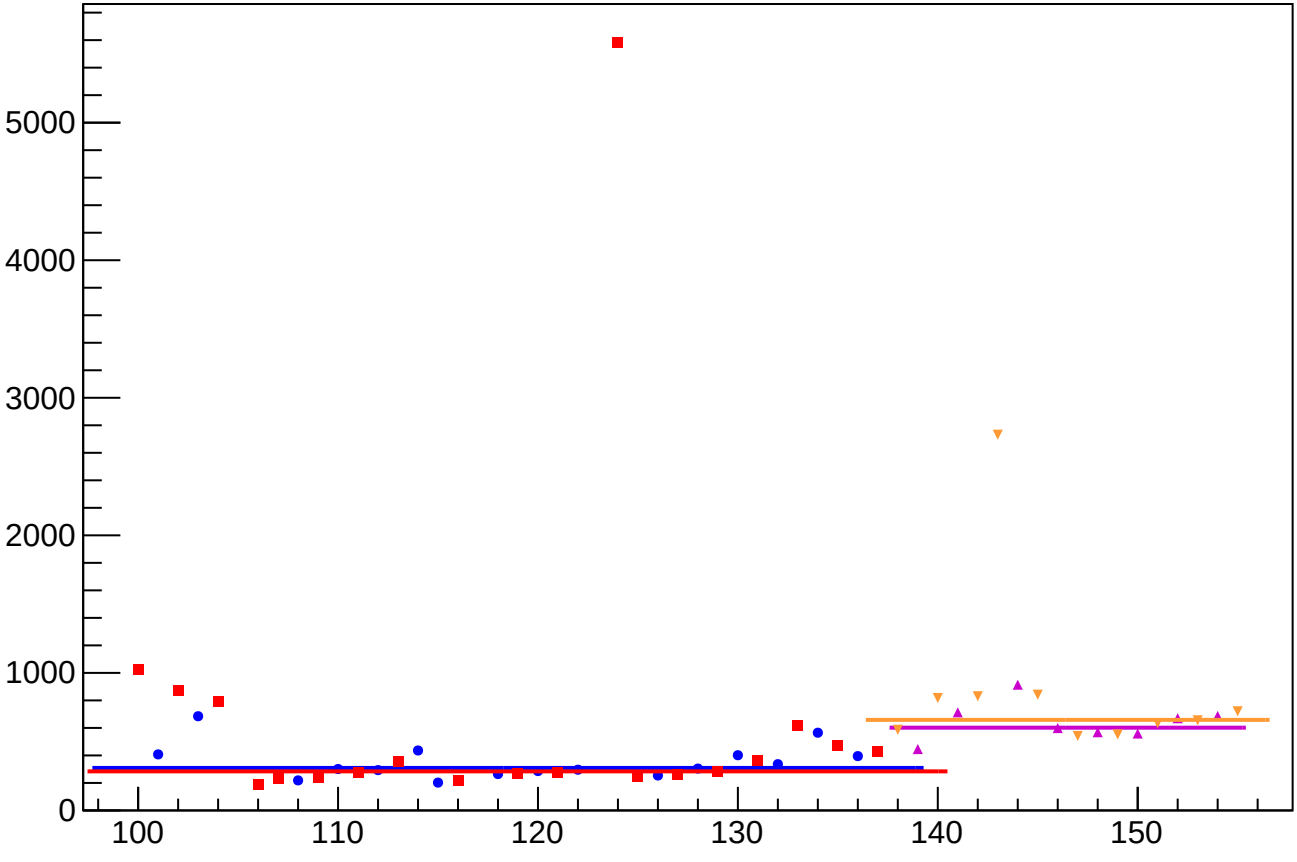
Left In: 0.260+/-0.234 χ^2/NDF:9.6/7

+ sign -0.022+/-0.109 χ^2/NDF: 23.7/25

All: -0.037+/-0.076 χ^2/NDF: 60.8/52

- sign -0.050+/-0.105 χ^2/NDF: 37.1/26

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 658.552+/-0.175 χ^2/NDF:1289105.9/9

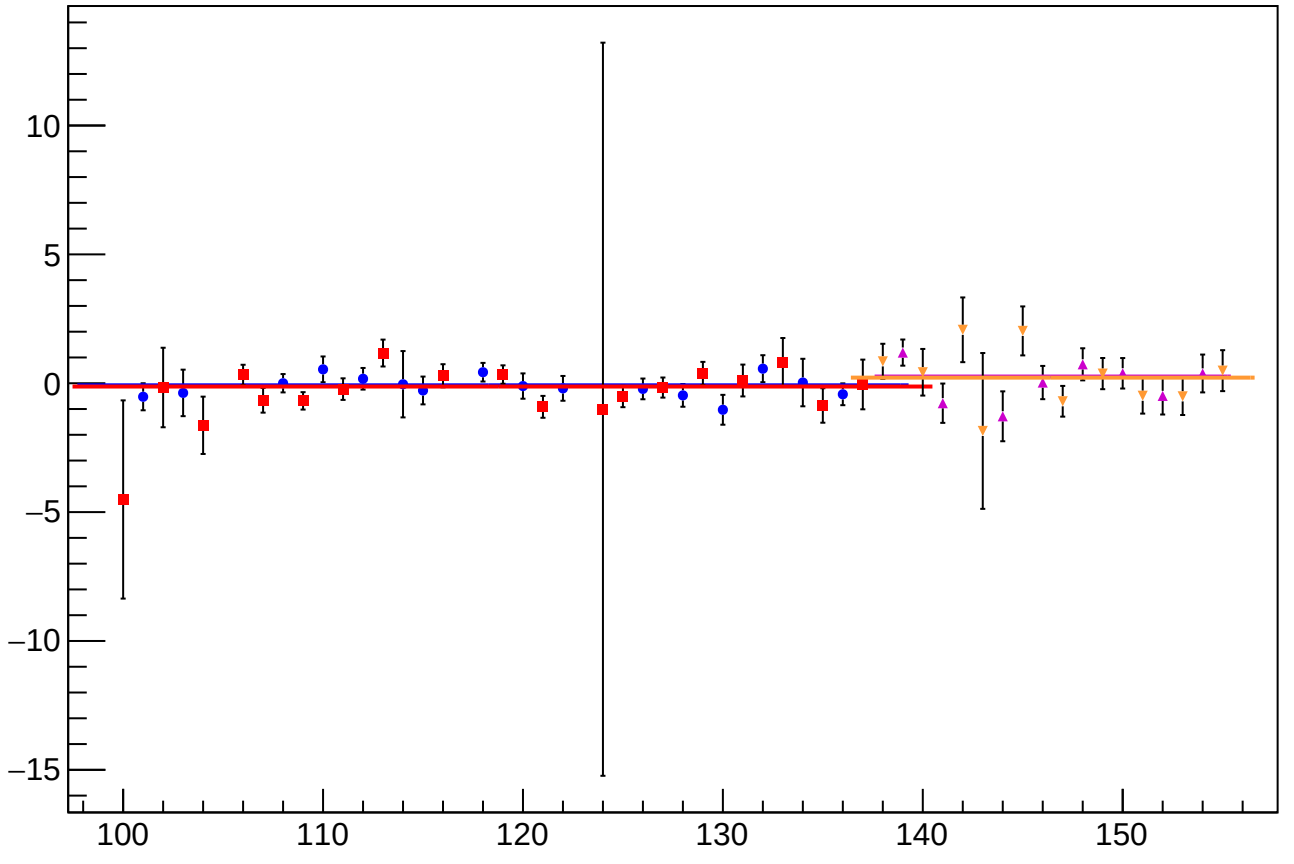
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 601.680+/-0.165 χ^2/NDF:500097.2/7

+ sign 377.346+/-0.077 χ^2/NDF: 5515729.6/25

All: 361.854+/-0.053 χ^2/NDF: 10898786.9/52

- sign 347.679+/-0.074 χ^2/NDF: 5306143.5/26



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.218+/-0.247 χ^2/NDF:11.8/9

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

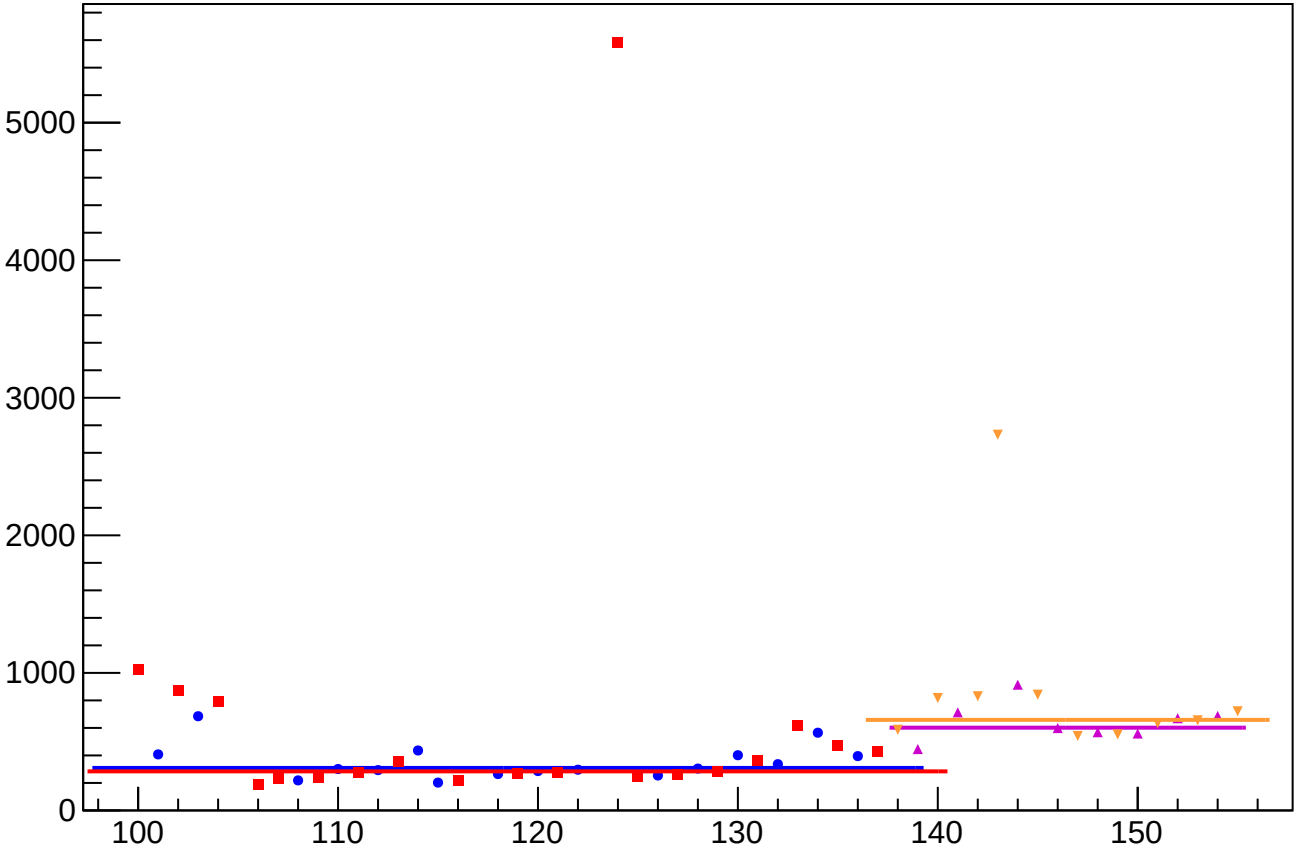
Left In: 0.260+/-0.234 χ^2/NDF:9.6/7

+ sign -0.022+/-0.109 χ^2/NDF: 23.7/25

All: -0.037+/-0.076 χ^2/NDF: 60.8/52

- sign -0.050+/-0.105 χ^2/NDF: 37.1/26

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: 658.552+/-0.175 χ^2/NDF:1289105.9/9

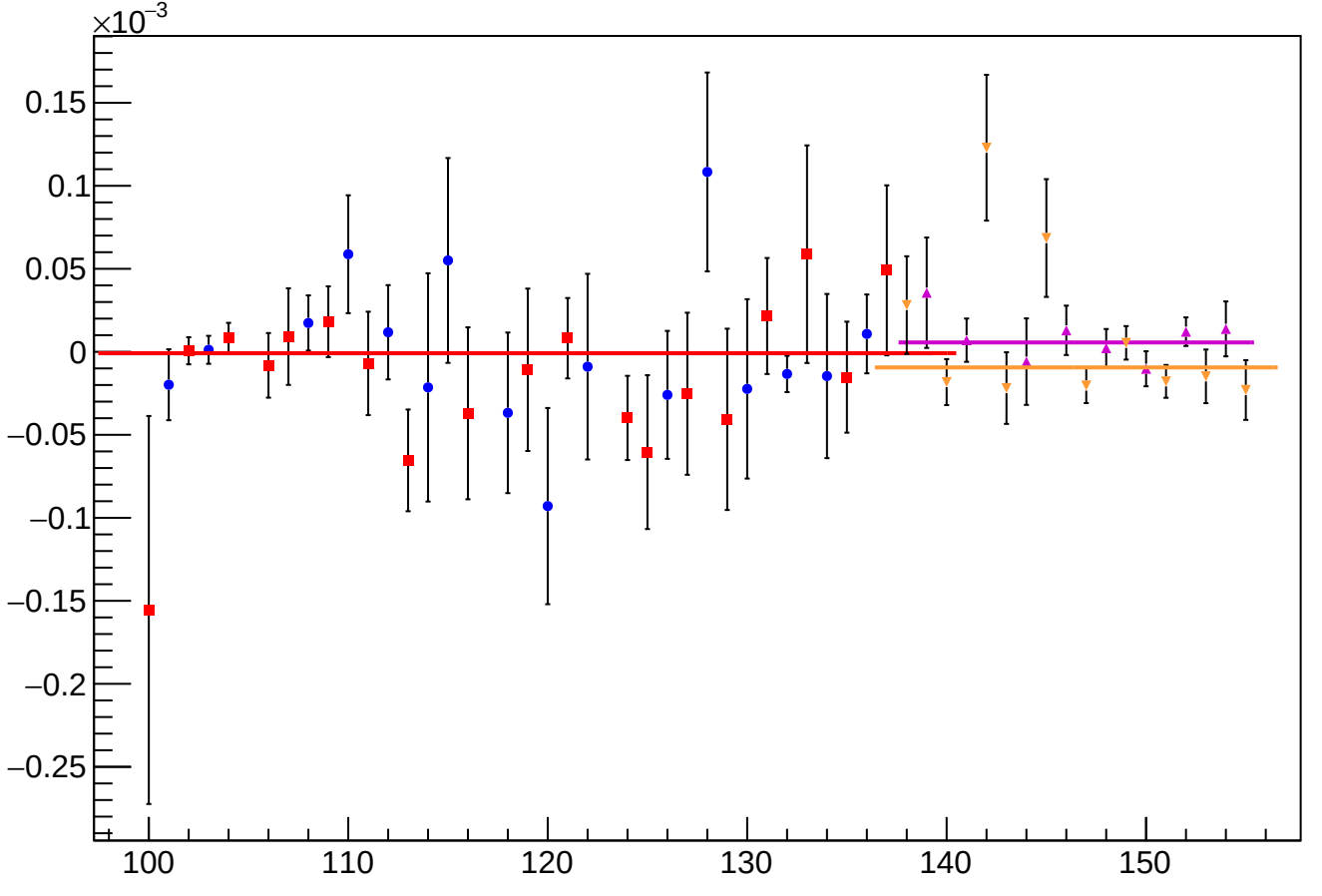
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 601.680+/-0.165 χ^2/NDF:500097.2/7

+ sign 377.346+/-0.077 χ^2/NDF: 5515729.6/25

All: 361.854+/-0.053 χ^2/NDF: 10898786.9/52

- sign 347.679+/-0.074 χ^2/NDF: 5306143.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

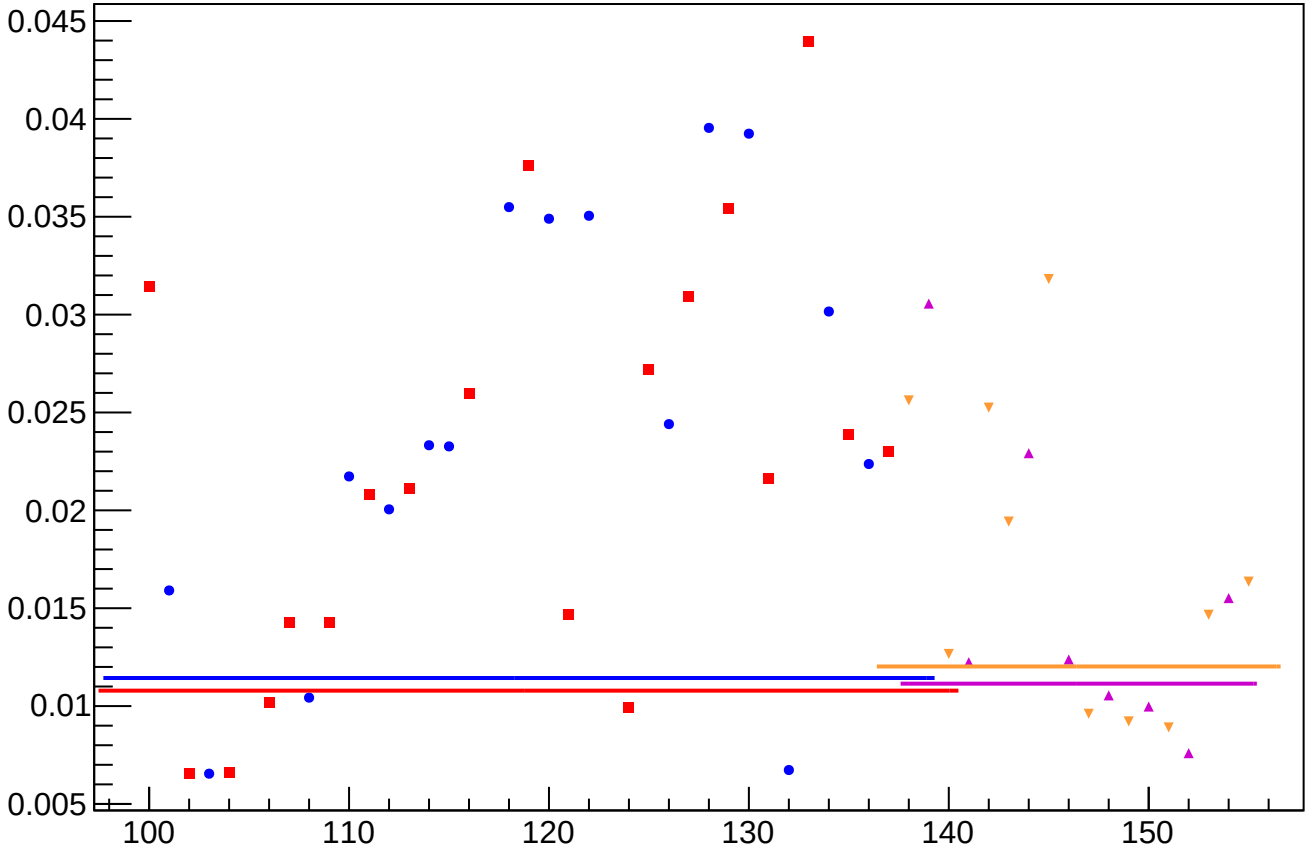
Left In: 0.000+/-0.000 χ^2/NDF:4.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/25

All: -0.000+/-0.000 χ^2/NDF: 61.2/52

- sign 0.000+/-0.000 χ^2/NDF: 21.5/26

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:2098222.6/9

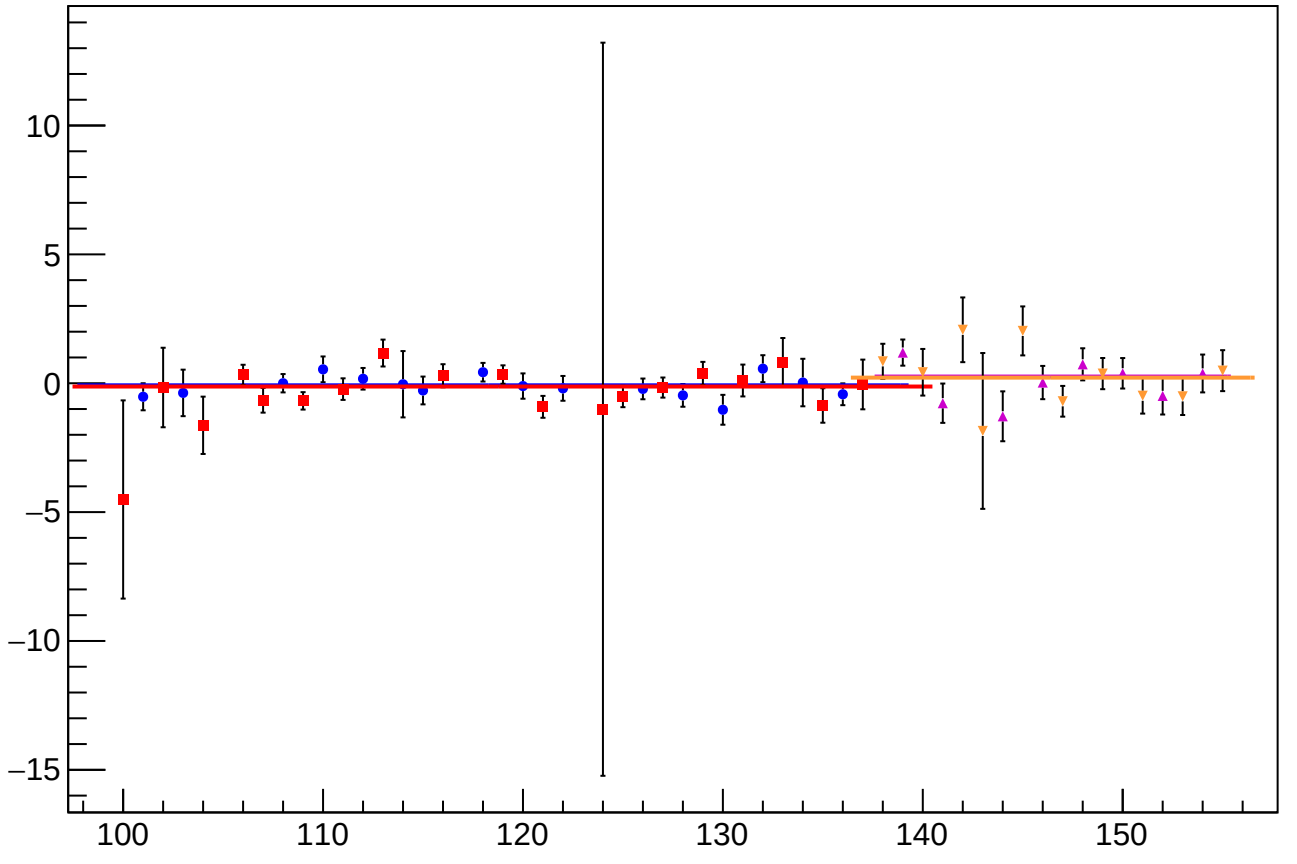
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.011+/-0.000 χ^2/NDF:1627993.4/7

+ sign 0.012+/-0.000 χ^2/NDF: 6812002.4/25

All: 0.011+/-0.000 χ^2/NDF: 12972609.1/52

- sign 0.011+/-0.000 χ^2/NDF: 6107336.0/26



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.218+/-0.247 χ^2/NDF:11.8/9

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

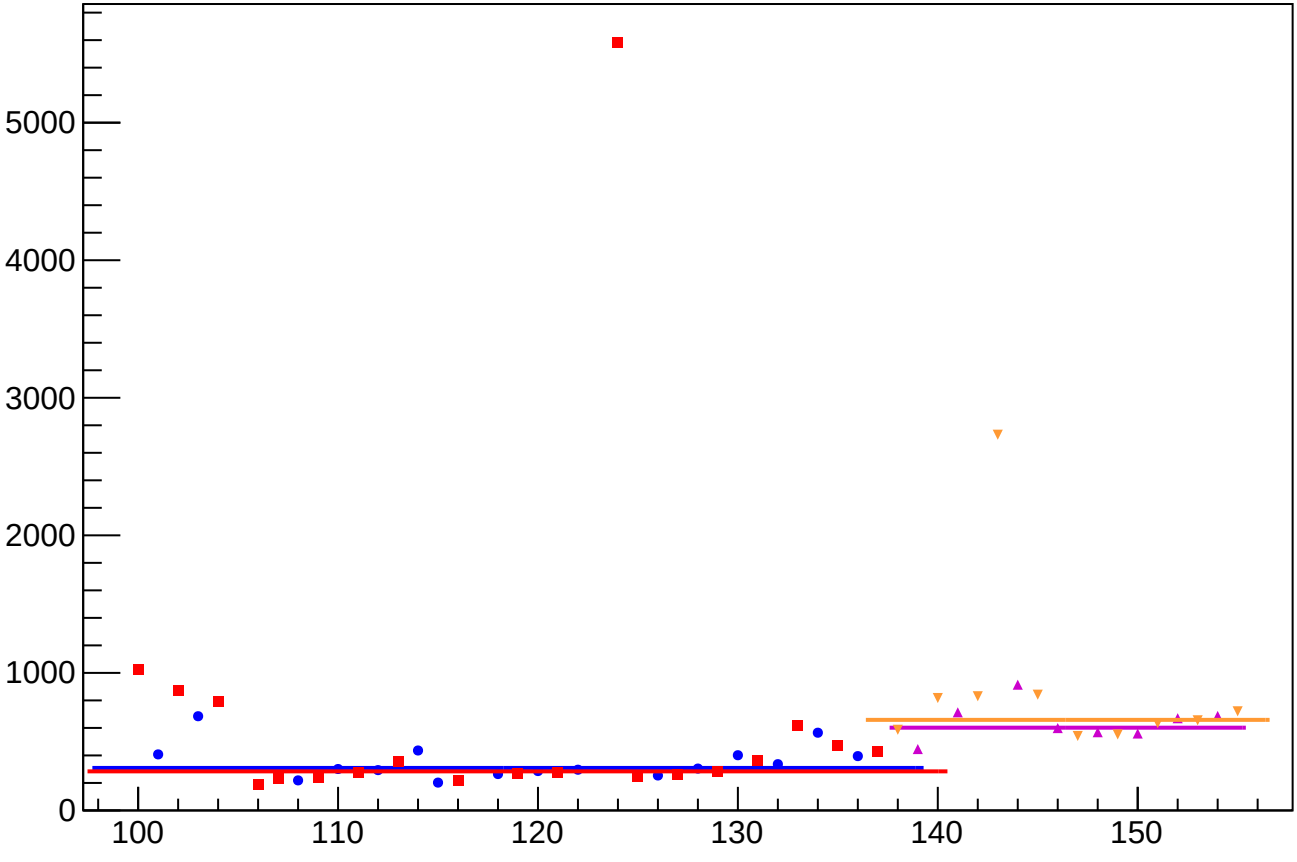
Left In: 0.260+/-0.234 χ^2/NDF:9.6/7

+ sign -0.022+/-0.109 χ^2/NDF: 23.7/25

All: -0.037+/-0.076 χ^2/NDF: 60.8/52

- sign -0.050+/-0.105 χ^2/NDF: 37.1/26

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: 658.559+/-0.175 χ^2/NDF:1289106.5/9

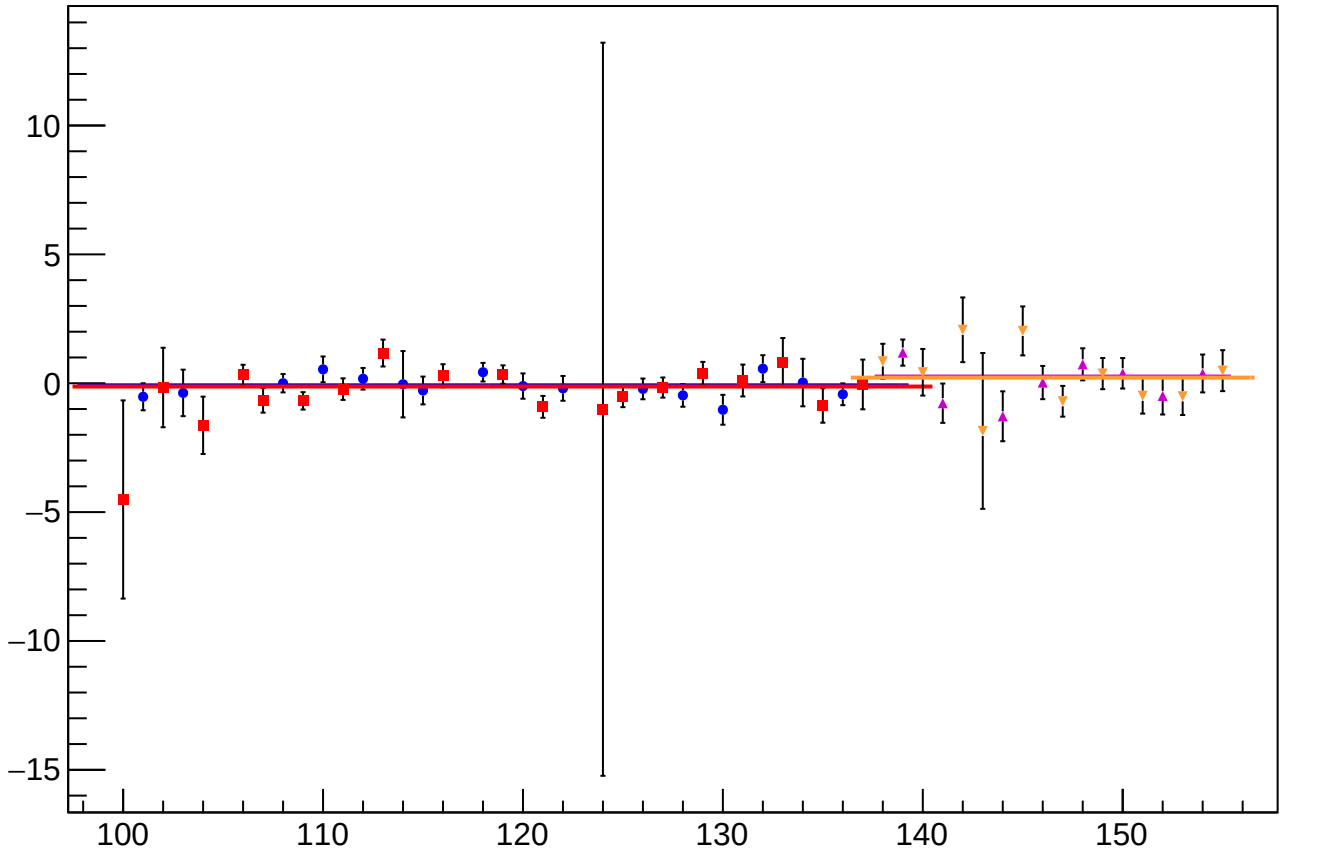
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 601.689+/-0.165 χ^2/NDF:500079.1/7

+ sign 377.345+/-0.077 χ^2/NDF: 5515791.9/25

All: 361.853+/-0.053 χ^2/NDF: 10898919.9/52

- sign 347.679+/-0.074 χ^2/NDF: 5306215.4/26



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.218+/-0.247 χ^2/NDF:11.8/9

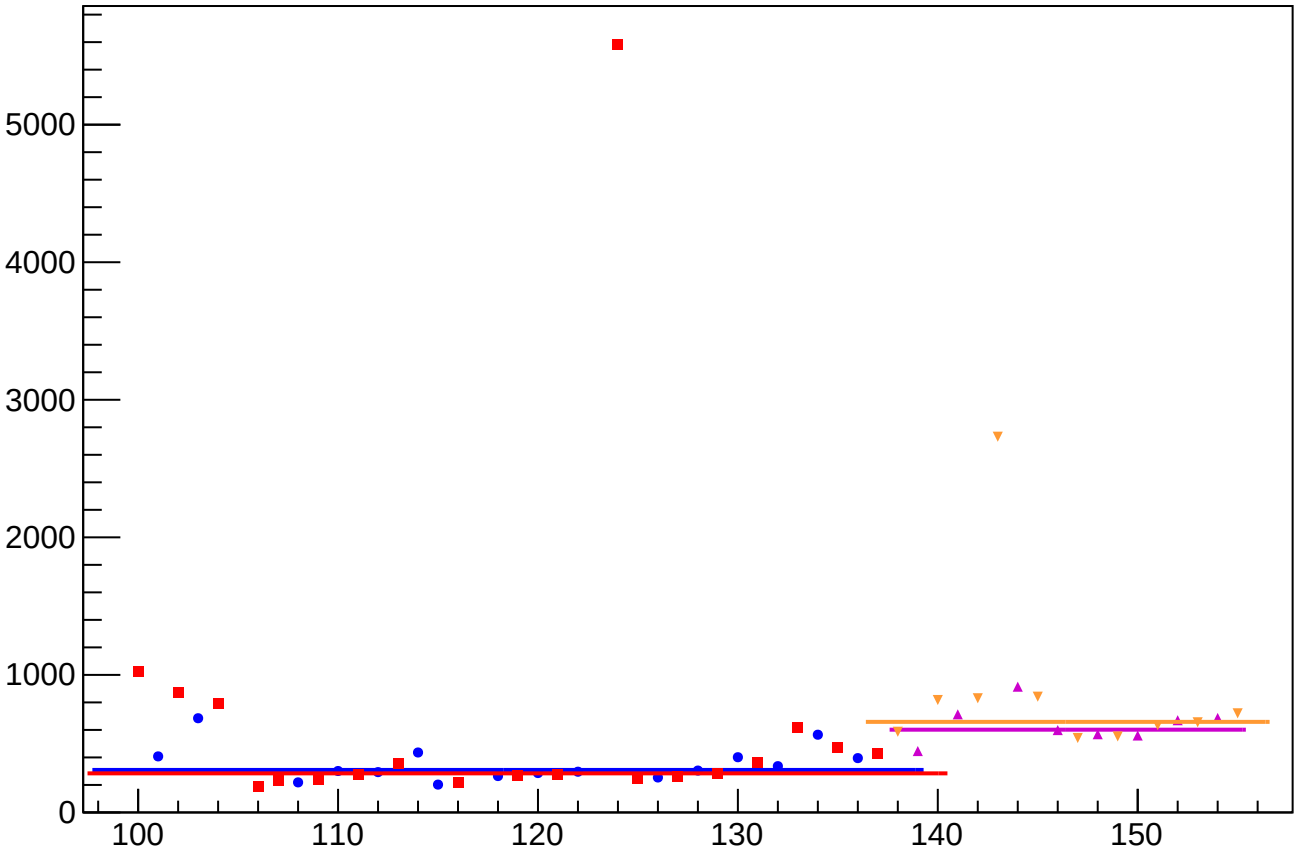
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.260+/-0.234 χ^2/NDF:9.6/7

\+ sign -0.022+/-0.109 χ^2/NDF: 23.7/25

All: -0.037+/-0.076 χ^2/NDF: 60.8/52

\- sign -0.050+/-0.105 χ^2/NDF: 37.1/26



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 658.559+/-0.175 χ^2/NDF:1289106.5/9

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

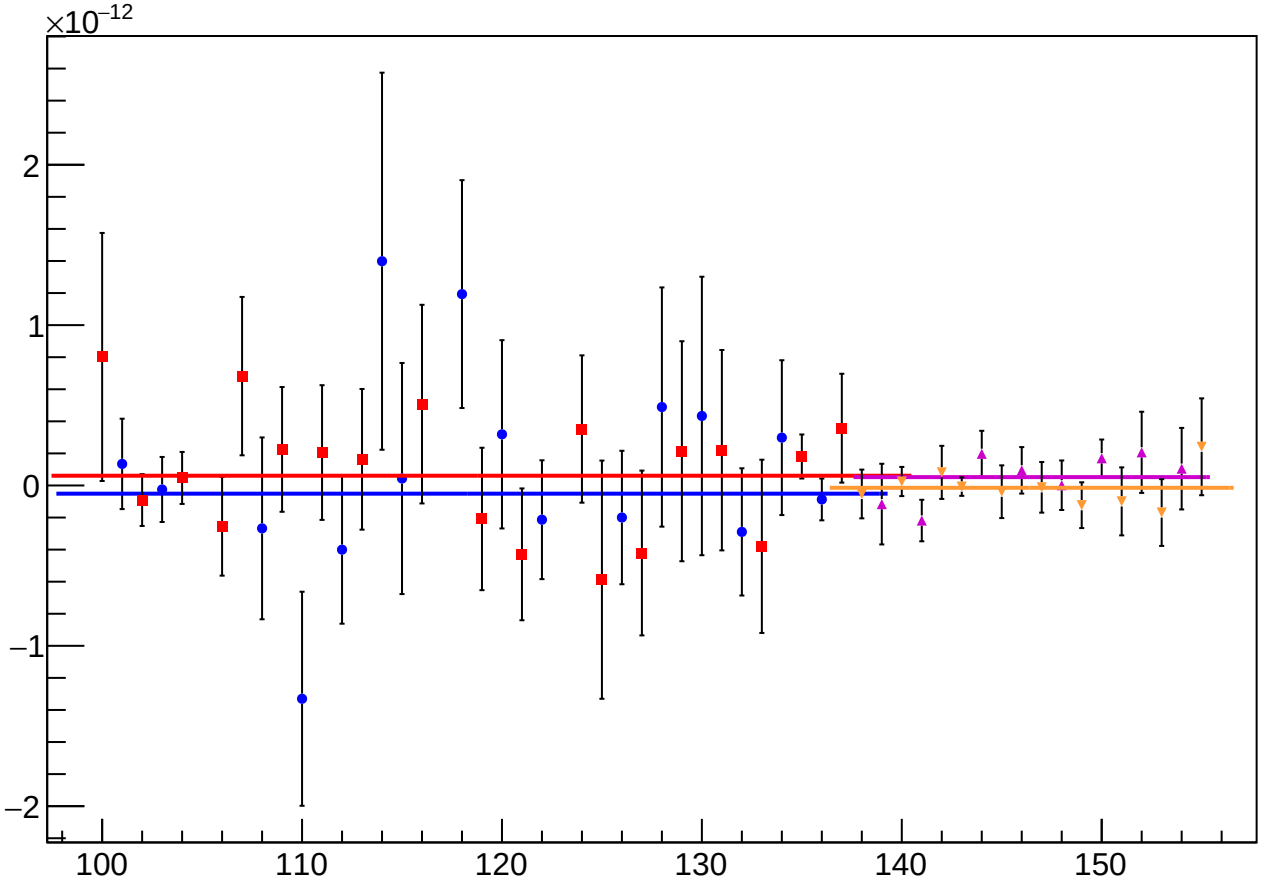
Left In: 601.689+/-0.165 χ^2/NDF:500079.1/7

+ sign 377.345+/-0.077 χ^2/NDF: 5515791.9/25

All: 361.853+/-0.053 χ^2/NDF: 10898919.9/52

- sign 347.679+/-0.074 χ^2/NDF: 5306215.4/26

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/9

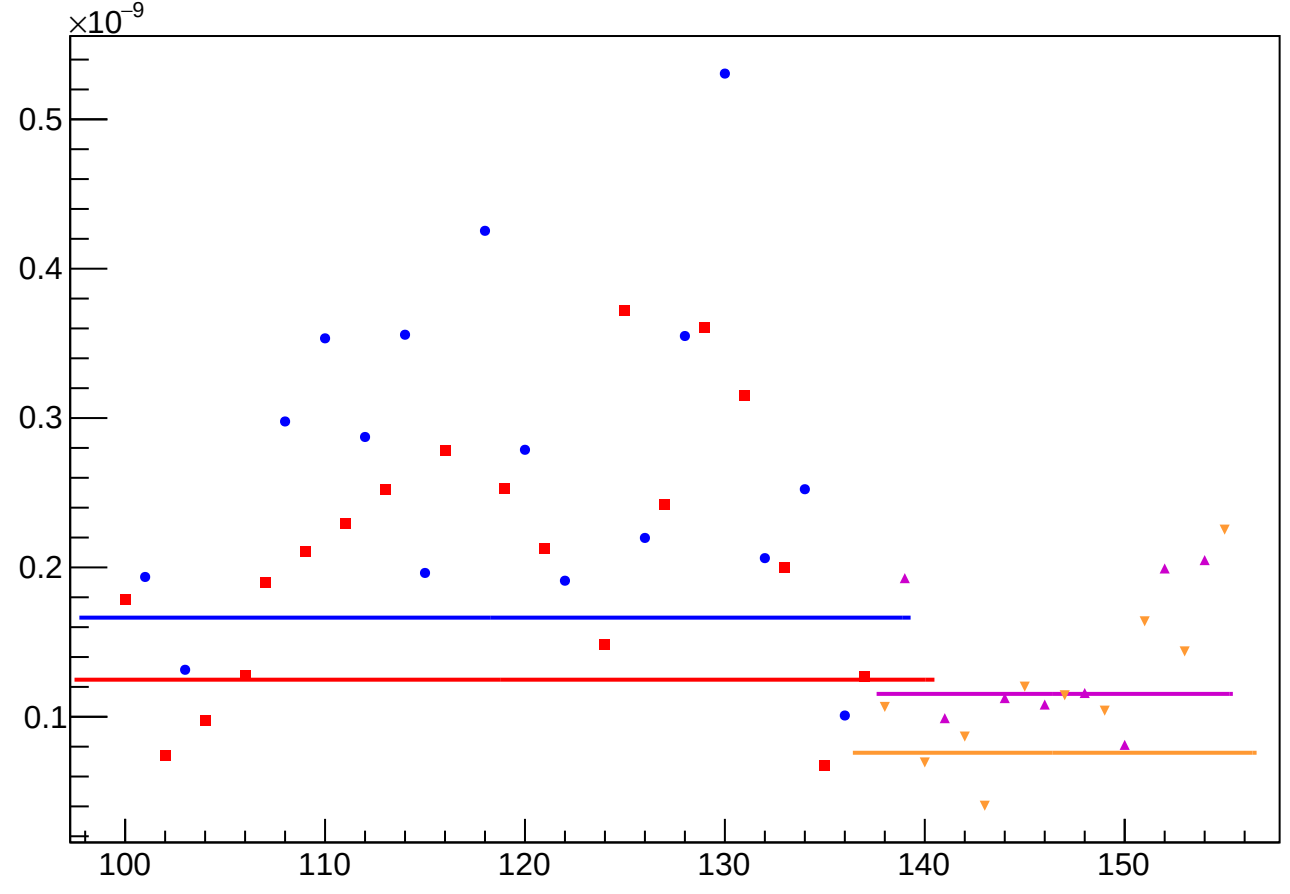
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 14.7/25

All: 0.000+/-0.000 χ^2/NDF: 35.5/52

- sign 0.000+/-0.000 χ^2/NDF: 18.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2244425.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

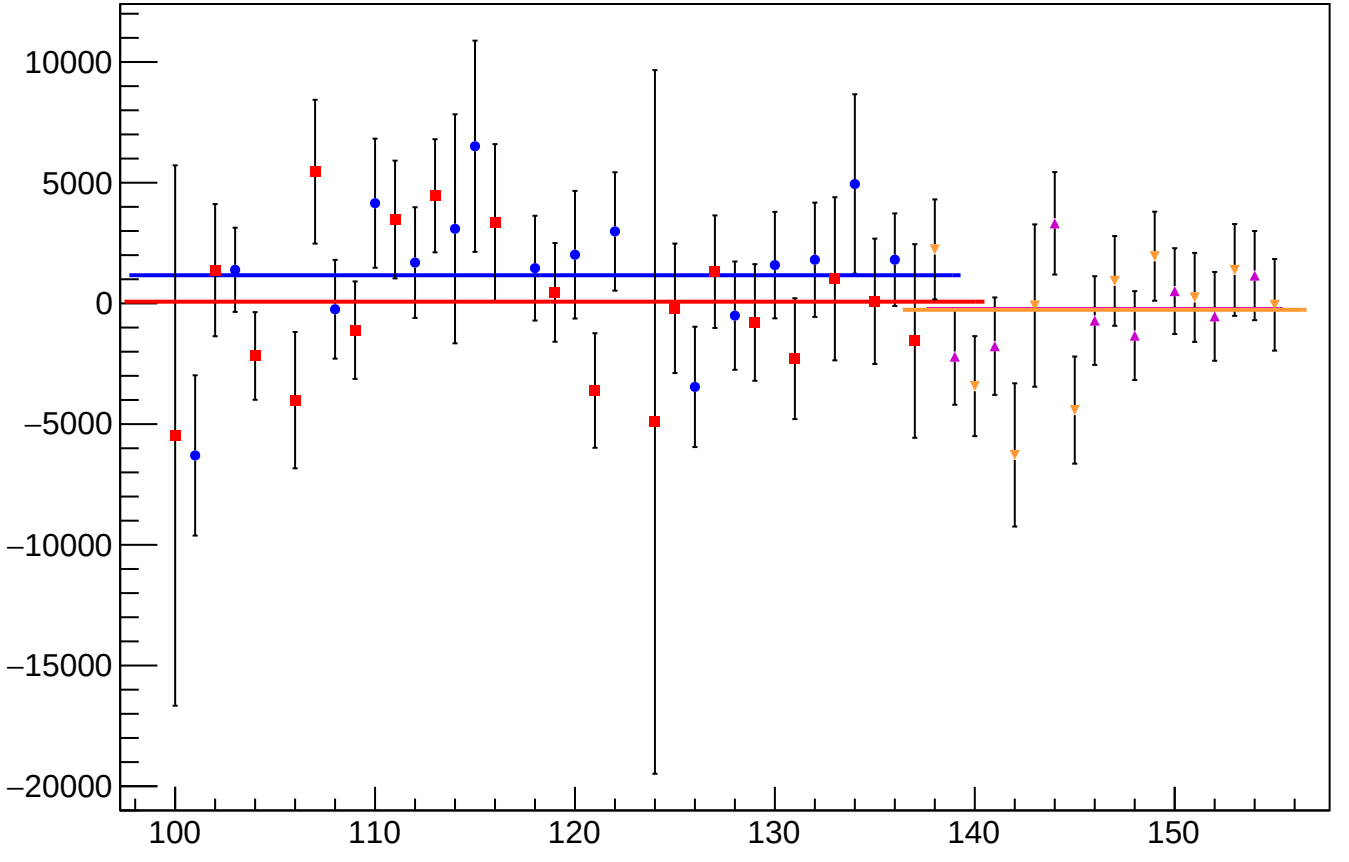
Left In: 0.000+/-0.000 χ^2/NDF:865902.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 6132400.9/25

All: 0.000+/-0.000 χ^2/NDF: 9721893.7/52

- sign 0.000+/-0.000 χ^2/NDF: 3097914.0/26

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -264.969+/-658.882 χ^2/NDF:14.1/9

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

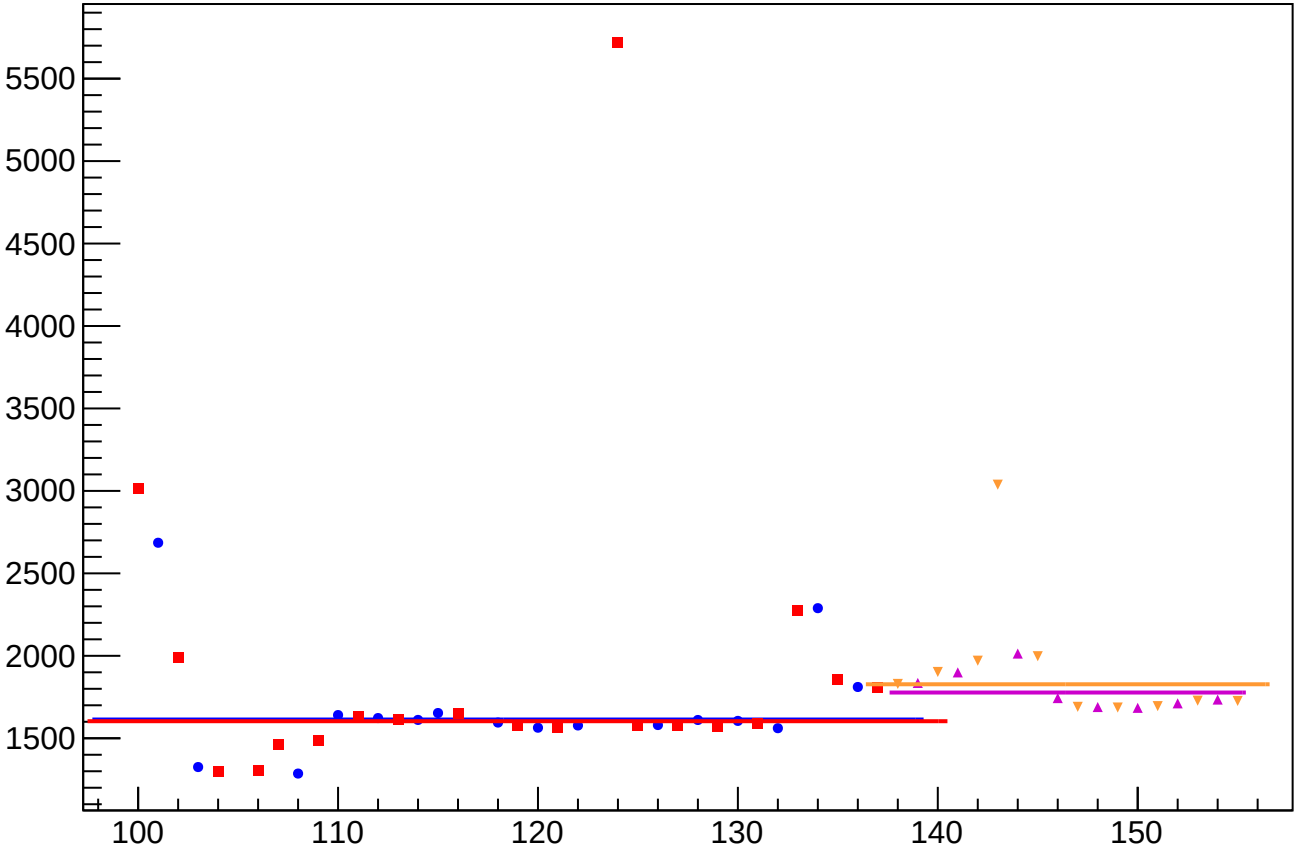
Left In: -232.064+/-671.993 χ^2/NDF:5.5/7

+ sign 506.992+/-447.292 χ^2/NDF: 31.1/25

All: 222.744+/-316.868 χ^2/NDF: 55.8/52

- sign -63.616+/-448.950 χ^2/NDF: 23.9/26

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1827.422+/-0.466 χ^2/NDF:322173.1/9

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

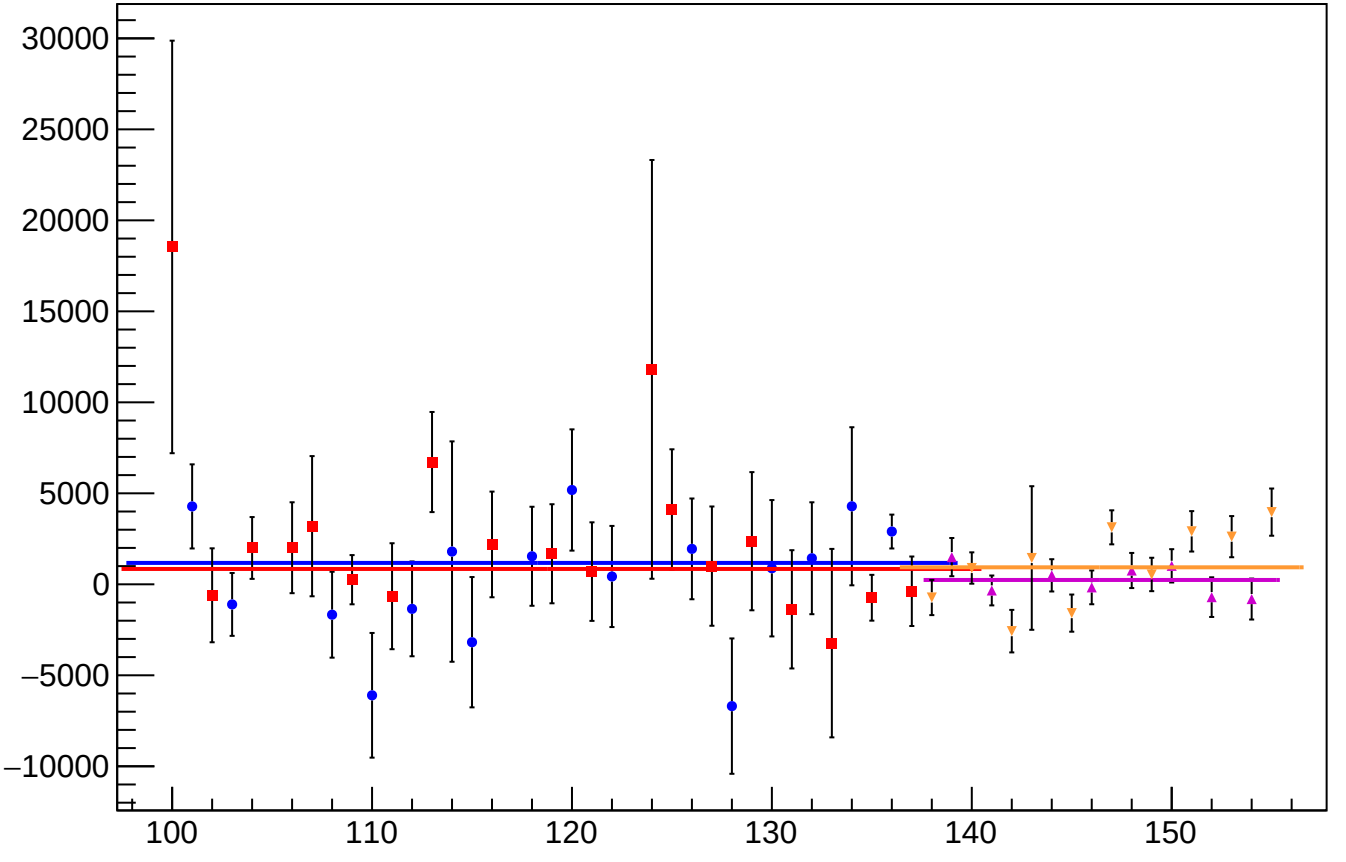
Left In: 1777.371+/-0.475 χ^2/NDF:48094.0/7

+ sign 1712.181+/-0.316 χ^2/NDF: 840342.6/25

All: 1696.691+/-0.224 χ^2/NDF: 1393205.9/52

- sign 1681.086+/-0.317 χ^2/NDF: 548048.2/26

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 933.416+/-339.211 χ^2/NDF:34.6/9

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

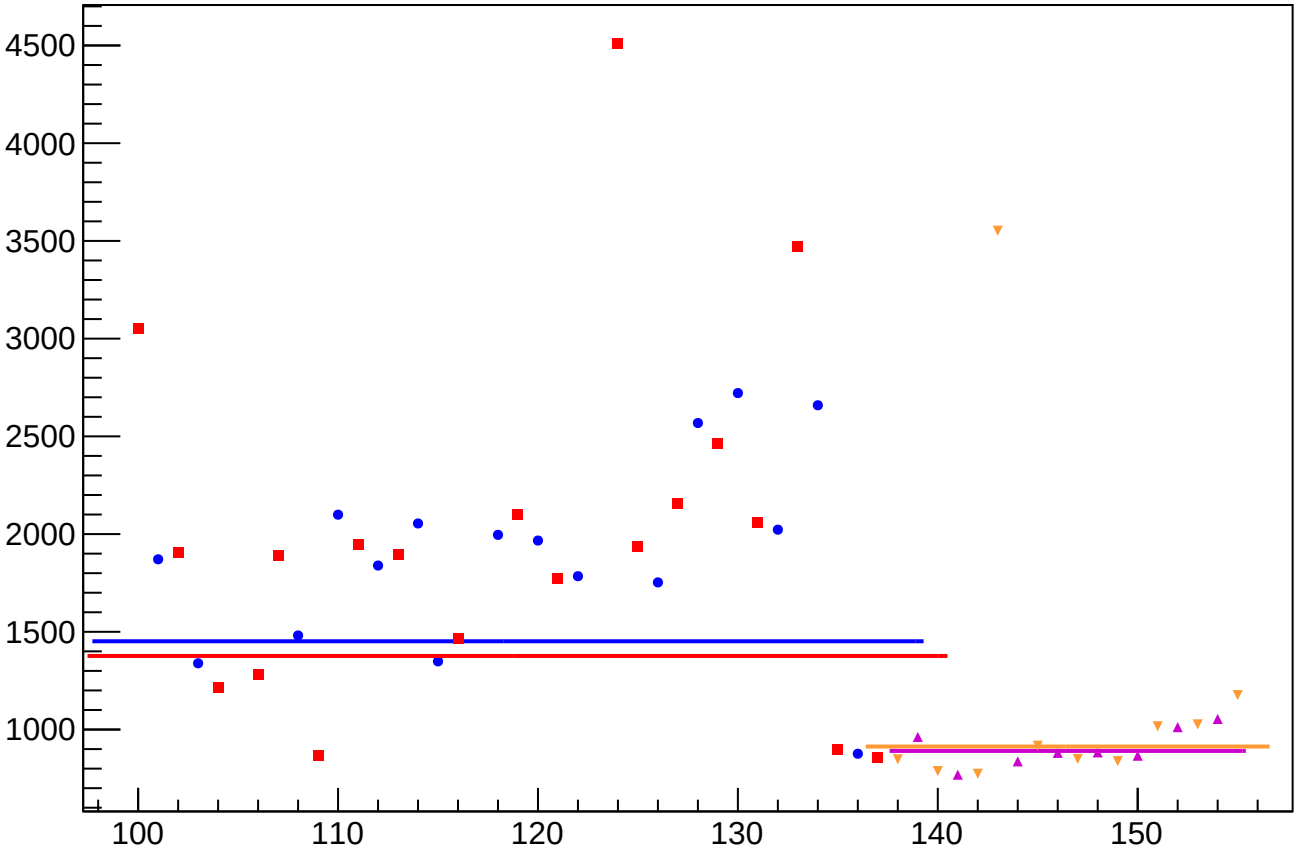
Left In: 238.500+/-338.579 χ^2/NDF:4.8/7

+ sign 995.260+/-292.690 χ^2/NDF: 56.7/25

All: 695.077+/-205.784 χ^2/NDF: 78.8/52

- sign 401.640+/-289.382 χ^2/NDF: 19.9/26

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 913.063+/-0.240 χ^2/NDF:1117311.9/9

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

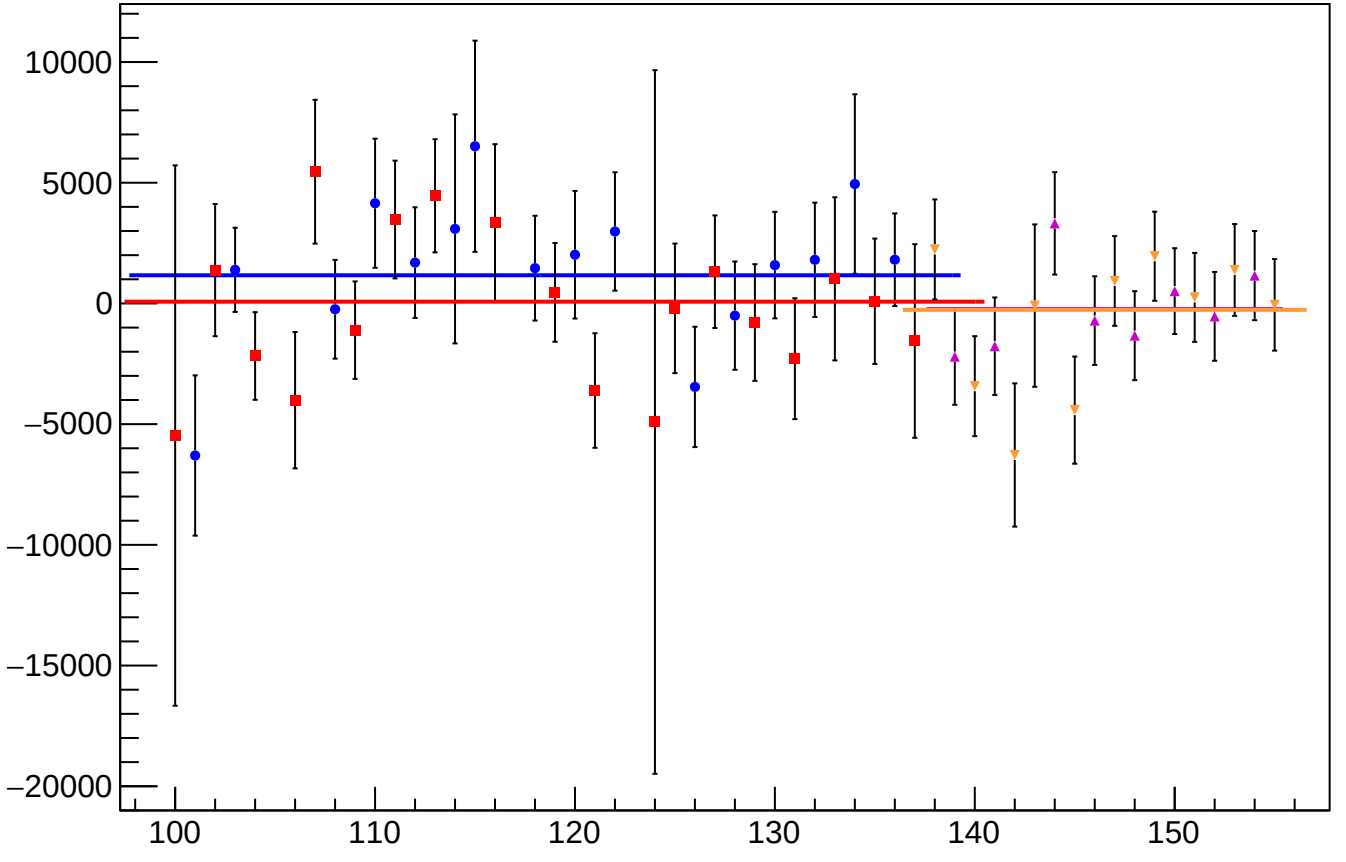
Left In: 890.535+/-0.239 χ^2/NDF:129489.9/7

+ sign 1050.659+/-0.207 χ^2/NDF: 4196205.6/25

All: 1035.910+/-0.146 χ^2/NDF: 7578028.0/52

- sign 1021.492+/-0.205 χ^2/NDF: 3371779.0/26

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -265.064+/-658.882 χ^2/NDF:14.1/9

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

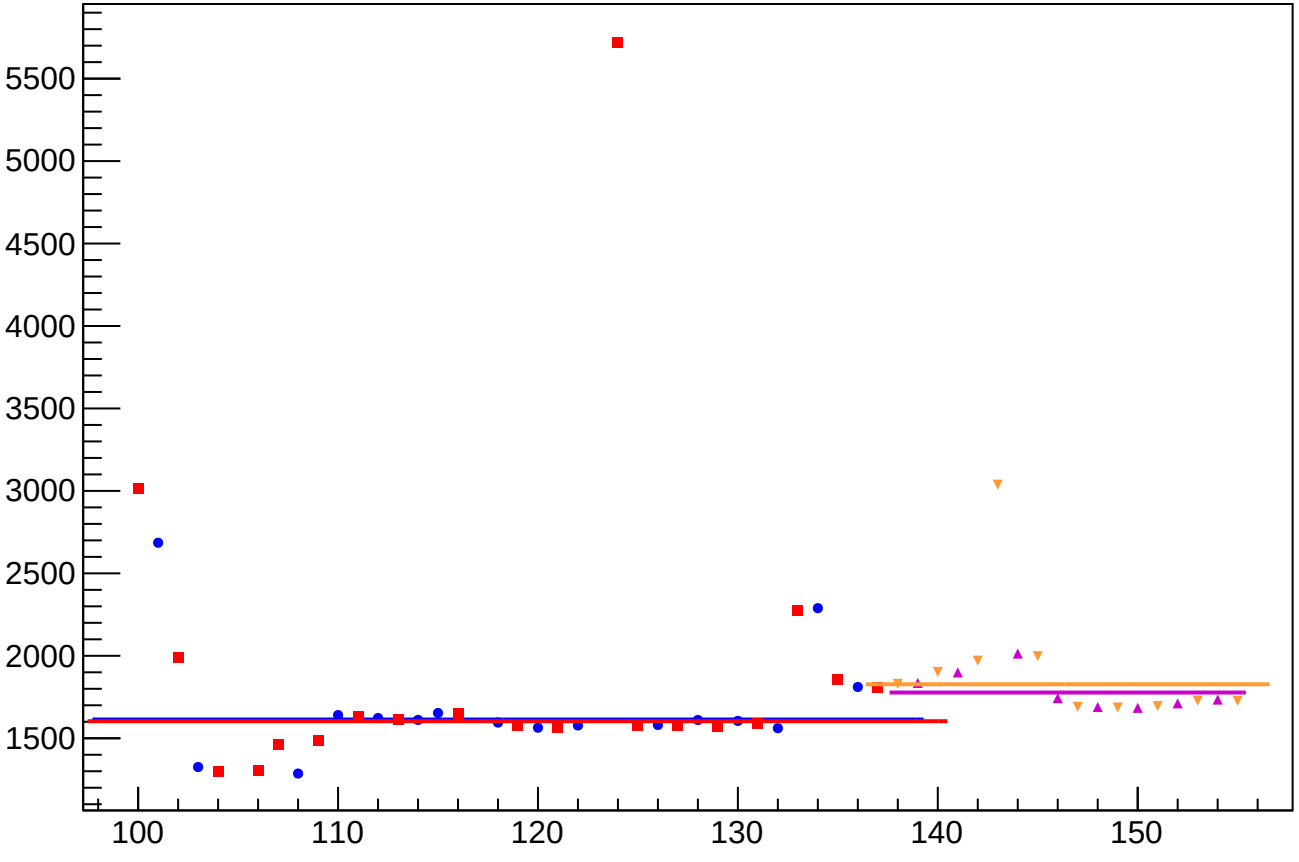
Left In: -232.006+/-671.993 χ^2/NDF:5.5/7

+ sign 506.898+/-447.292 χ^2/NDF: 31.1/25

All: 222.797+/-316.868 χ^2/NDF: 55.8/52

- sign -63.414+/-448.950 χ^2/NDF: 23.9/26

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1827.422+/-0.466 χ^2/NDF:322173.1/9

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

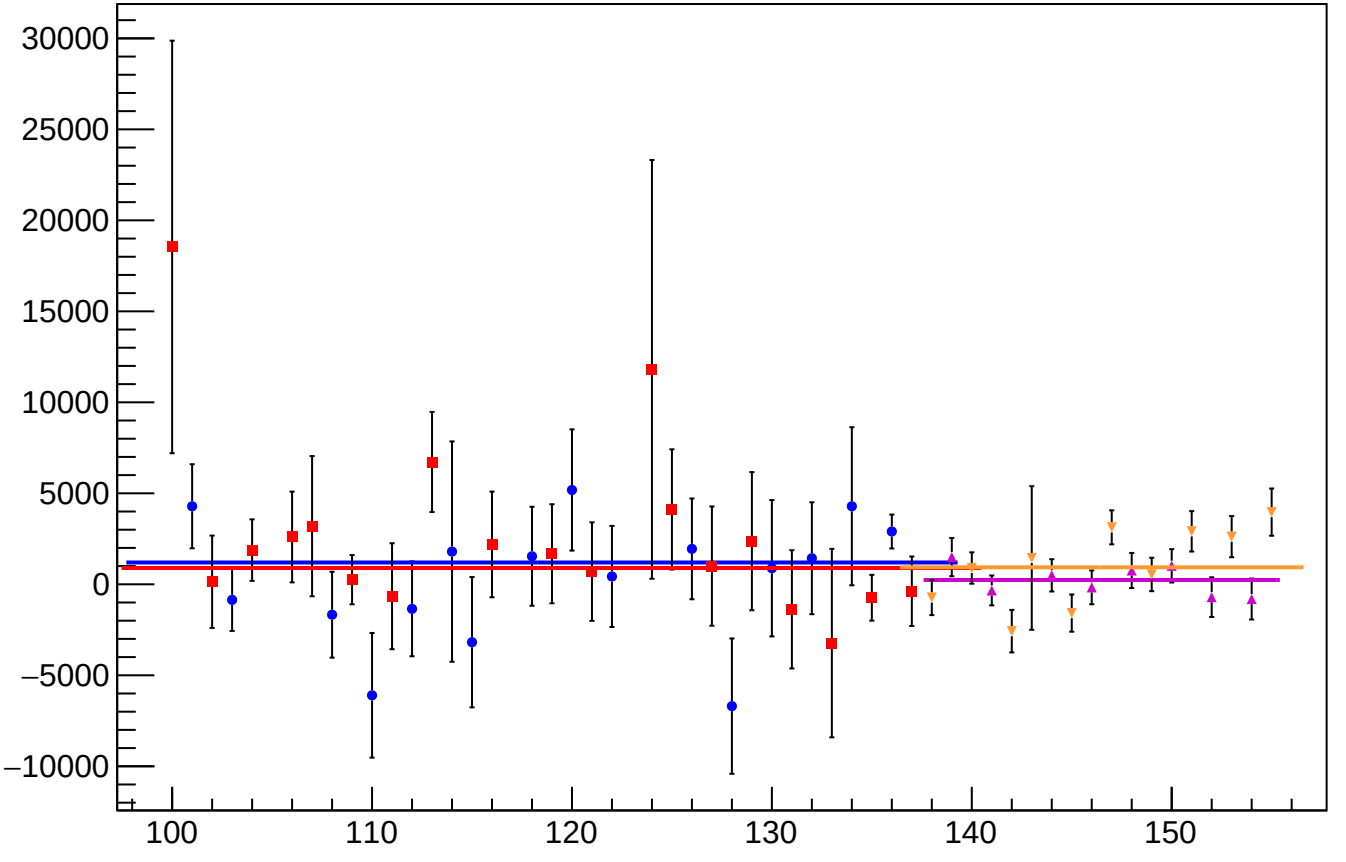
Left In: 1777.371+/-0.475 χ^2/NDF:48094.0/7

+ sign 1712.181+/-0.316 χ^2/NDF: 840343.0/25

All: 1696.691+/-0.224 χ^2/NDF: 1393206.4/52

- sign 1681.086+/-0.317 χ^2/NDF: 548048.3/26

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 933.451+/-339.216 χ^2/NDF:34.6/9

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

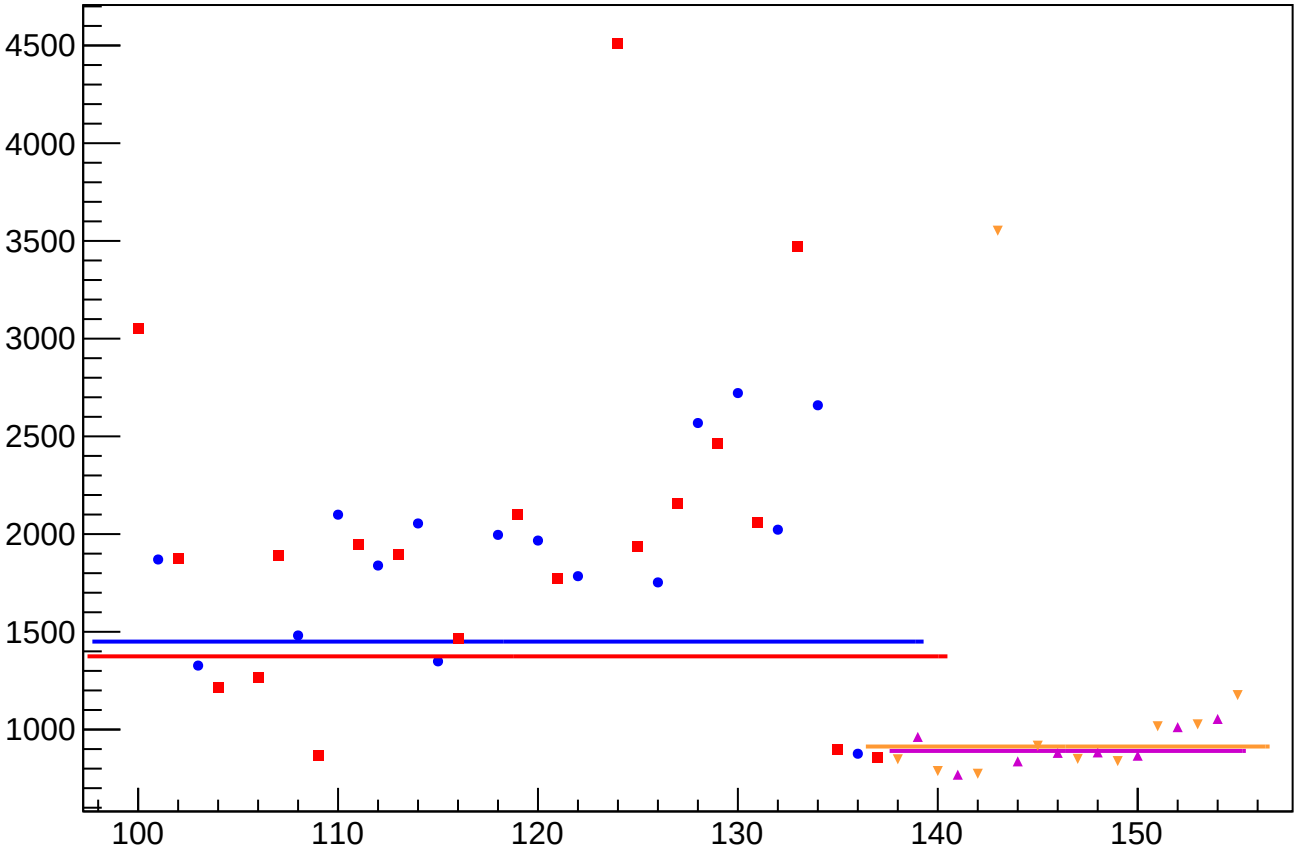
Left In: 238.527+/-338.578 χ^2/NDF:4.8/7

+ sign 1001.270+/-292.586 χ^2/NDF: 56.4/25

All: 705.265+/-205.708 χ^2/NDF: 78.5/52

- sign 415.926+/-289.273 χ^2/NDF: 20.0/26

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 913.079+/-0.240 χ^2/NDF:1117235.4/9

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

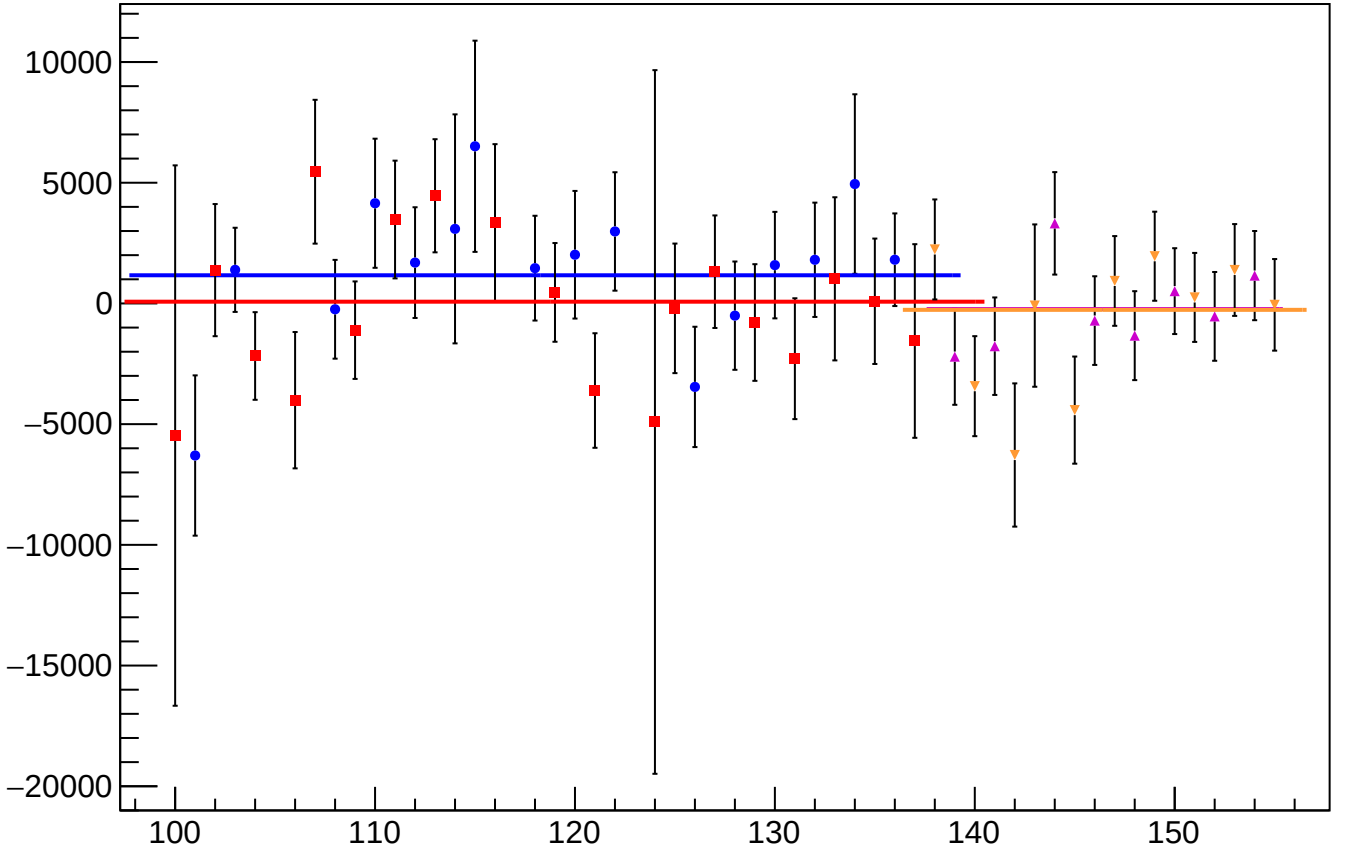
Left In: 890.530+/-0.239 χ^2/NDF:129514.0/7

+ sign 1050.531+/-0.207 χ^2/NDF: 4192503.6/25

All: 1035.701+/-0.145 χ^2/NDF: 7563102.1/52

- sign 1021.204+/-0.205 χ^2/NDF: 3360436.9/26

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -265.064+/-658.882 χ^2/NDF:14.1/9

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

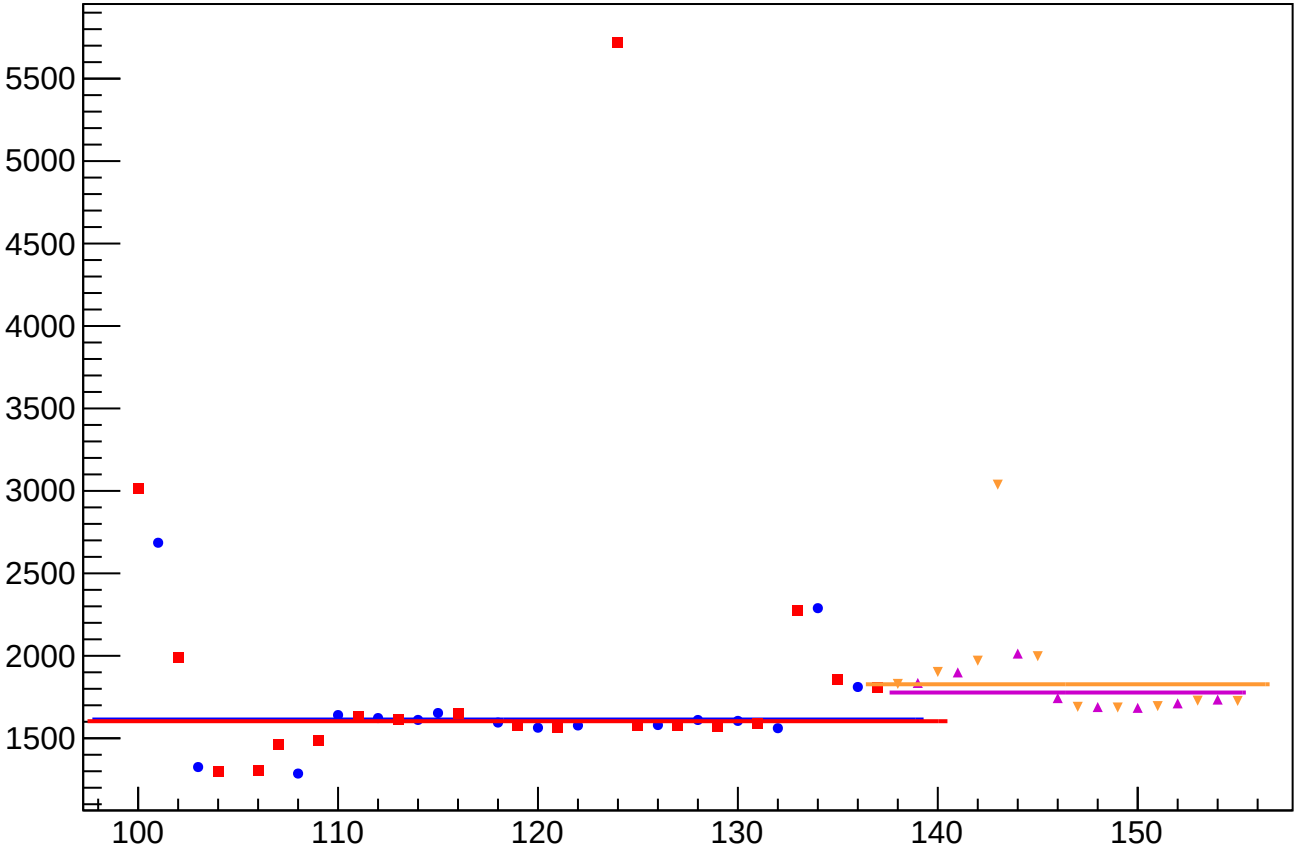
Left In: -232.006+/-671.993 χ^2/NDF:5.5/7

+ sign 506.898+/-447.292 χ^2/NDF: 31.1/25

All: 222.797+/-316.868 χ^2/NDF: 55.8/52

- sign -63.414+/-448.950 χ^2/NDF: 23.9/26

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1827.422+/-0.466 χ^2/NDF:322173.1/9

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

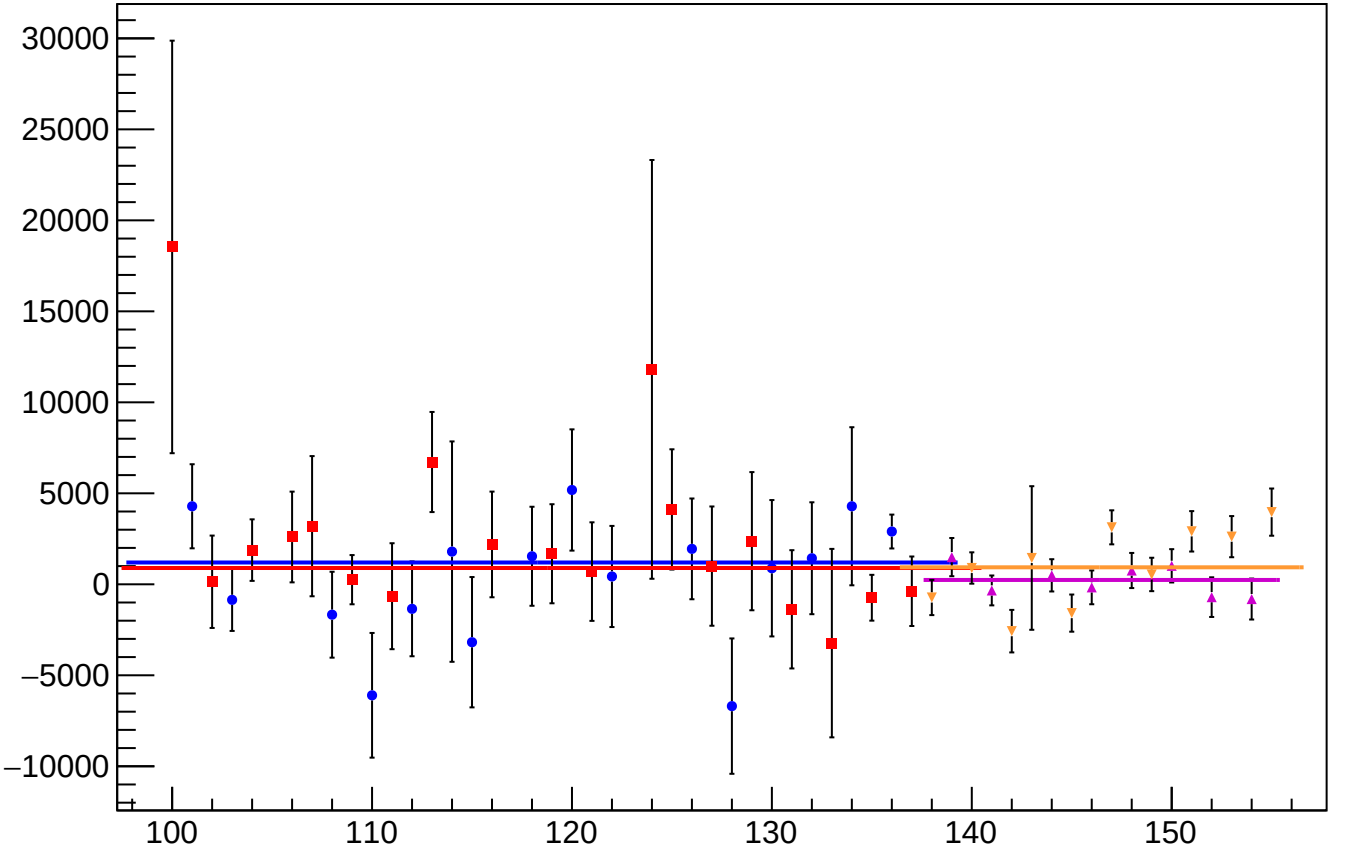
Left In: 1777.371+/-0.475 χ^2/NDF:48094.0/7

+ sign 1712.181+/-0.316 χ^2/NDF: 840343.0/25

All: 1696.691+/-0.224 χ^2/NDF: 1393206.4/52

- sign 1681.086+/-0.317 χ^2/NDF: 548048.3/26

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 933.451+/-339.216 χ^2/NDF:34.6/9

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

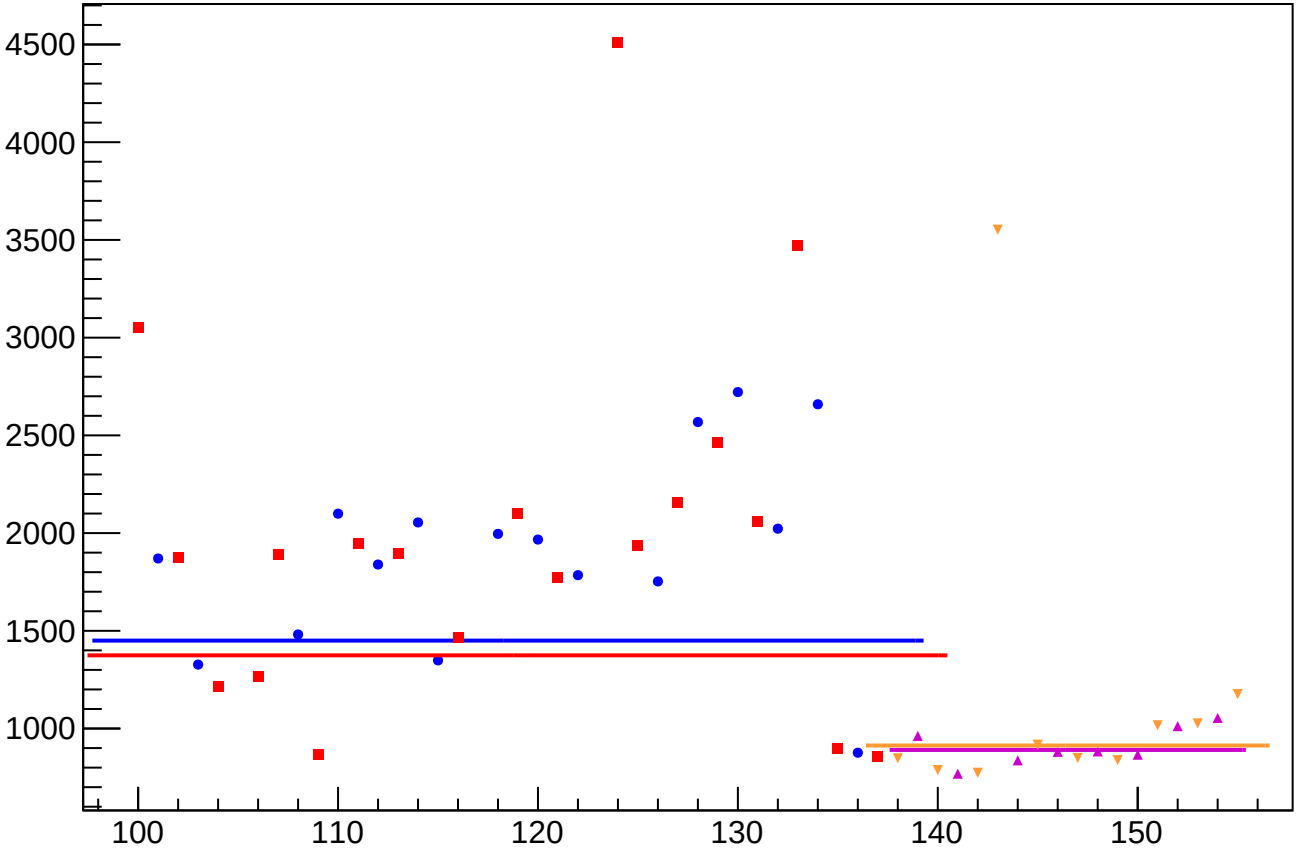
Left In: 238.527+/-338.578 χ^2/NDF:4.8/7

+ sign 1001.270+/-292.586 χ^2/NDF: 56.4/25

All: 705.265+/-205.708 χ^2/NDF: 78.5/52

- sign 415.926+/-289.273 χ^2/NDF: 20.0/26

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 913.079+/-0.240 χ^2/NDF:1117235.4/9

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

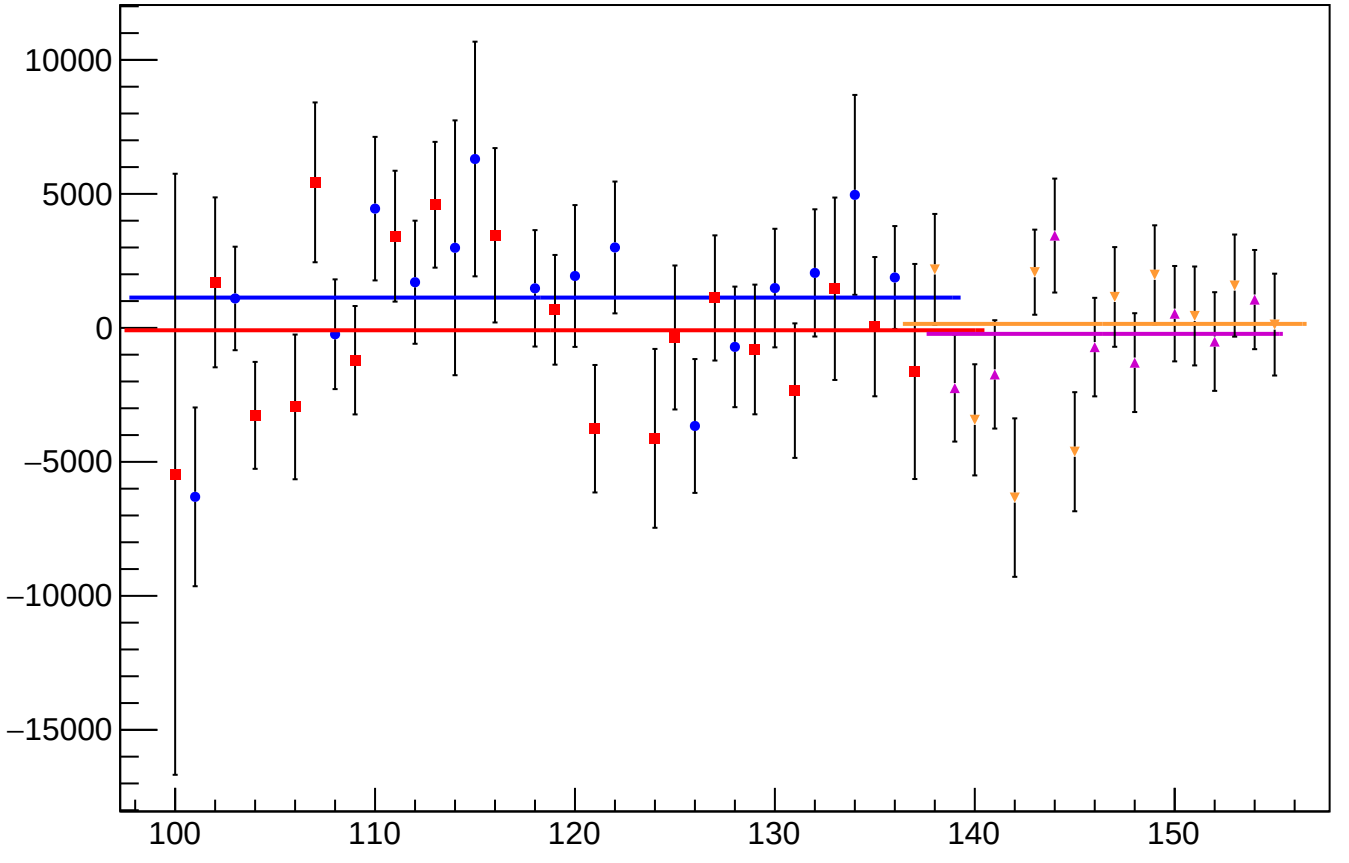
Left In: 890.530+/-0.239 χ^2/NDF:129514.0/7

+ sign 1050.531+/-0.207 χ^2/NDF: 4192503.6/25

All: 1035.701+/-0.145 χ^2/NDF: 7563102.1/52

- sign 1021.204+/-0.205 χ^2/NDF: 3360436.9/26

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 148.923+/-619.313 χ^2/NDF:16.7/9

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

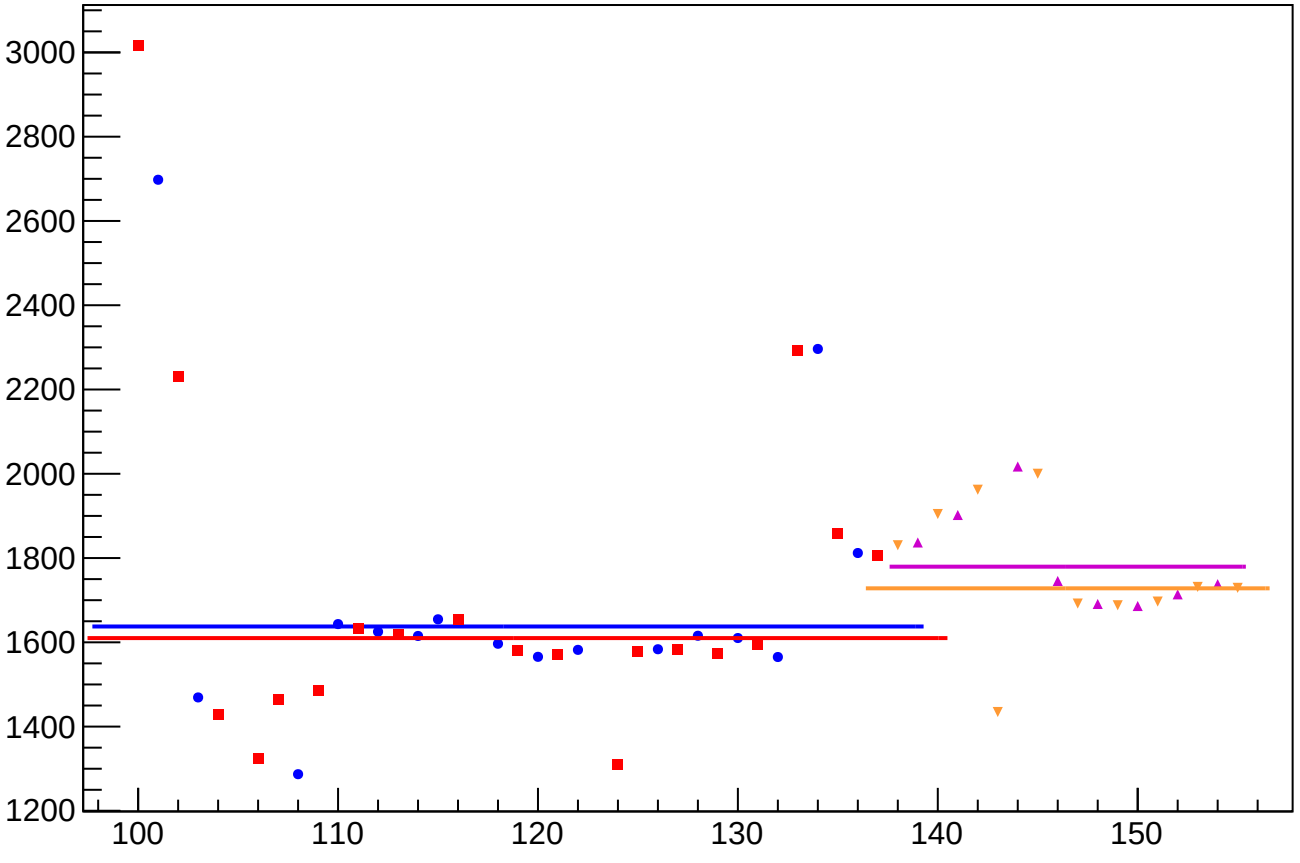
Left In: -223.237+/-672.824 χ^2/NDF:5.7/7

+ sign 641.473+/-437.184 χ^2/NDF: 33.0/25

All: 256.881+/-313.257 χ^2/NDF: 60.9/52

- sign -148.924+/-449.079 χ^2/NDF: 26.4/26

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1728.143+/-0.438 χ^2/NDF:132442.6/9

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

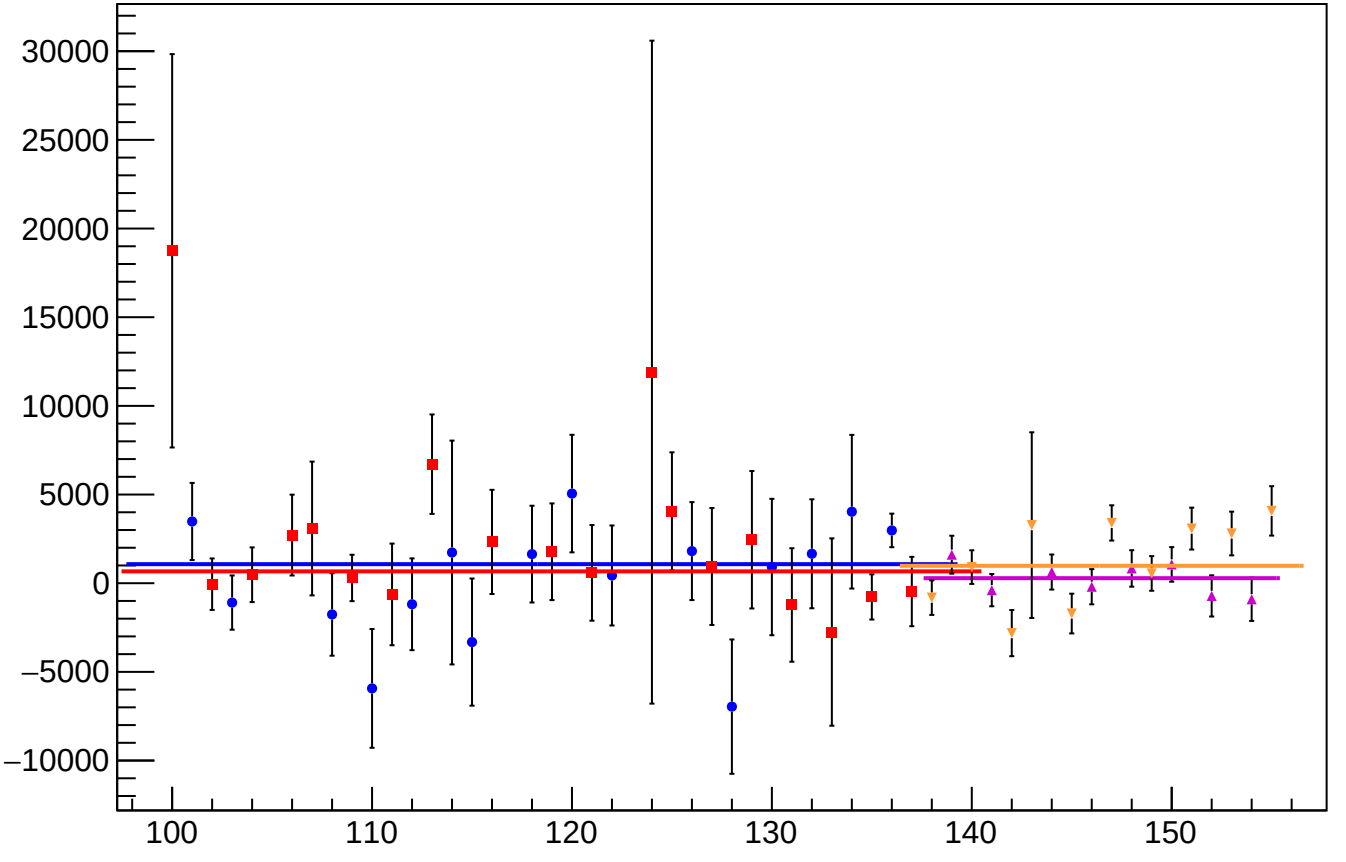
Left In: 1779.542+/-0.476 χ^2/NDF:48344.1/7

+ sign 1682.706+/-0.309 χ^2/NDF: 515317.8/25

All: 1684.092+/-0.222 χ^2/NDF: 914898.4/52

- sign 1685.554+/-0.318 χ^2/NDF: 399539.4/26

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 982.219+/-364.220 χ^2/NDF:34.3/9

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

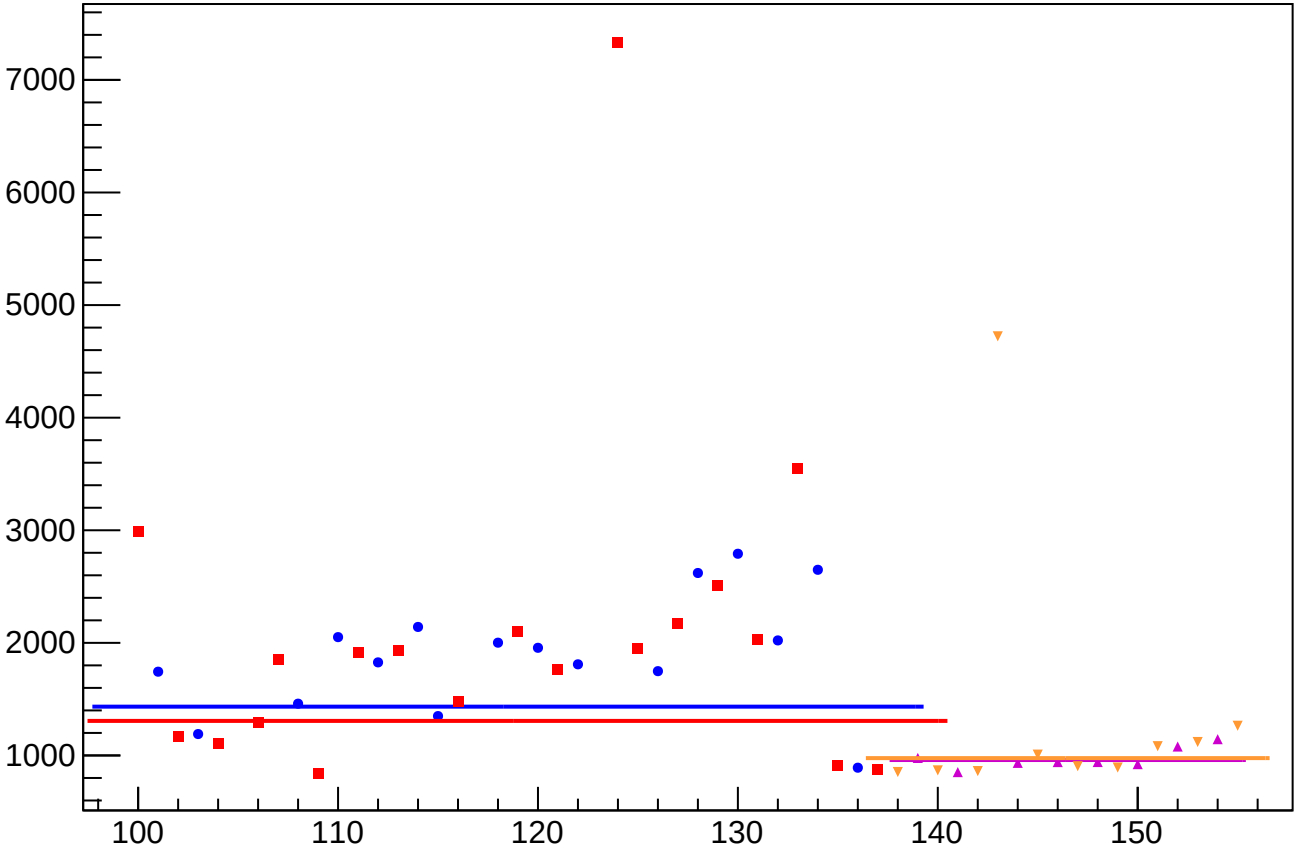
Left In: 284.016+/-364.382 χ^2/NDF:5.1/7

+ sign 1008.606+/-307.164 χ^2/NDF: 56.3/25

All: 700.930+/-214.276 χ^2/NDF: 77.2/52

- sign 409.269+/-299.063 χ^2/NDF: 19.0/26

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 976.344+/-0.258 χ^2/NDF:1252883.4/9

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

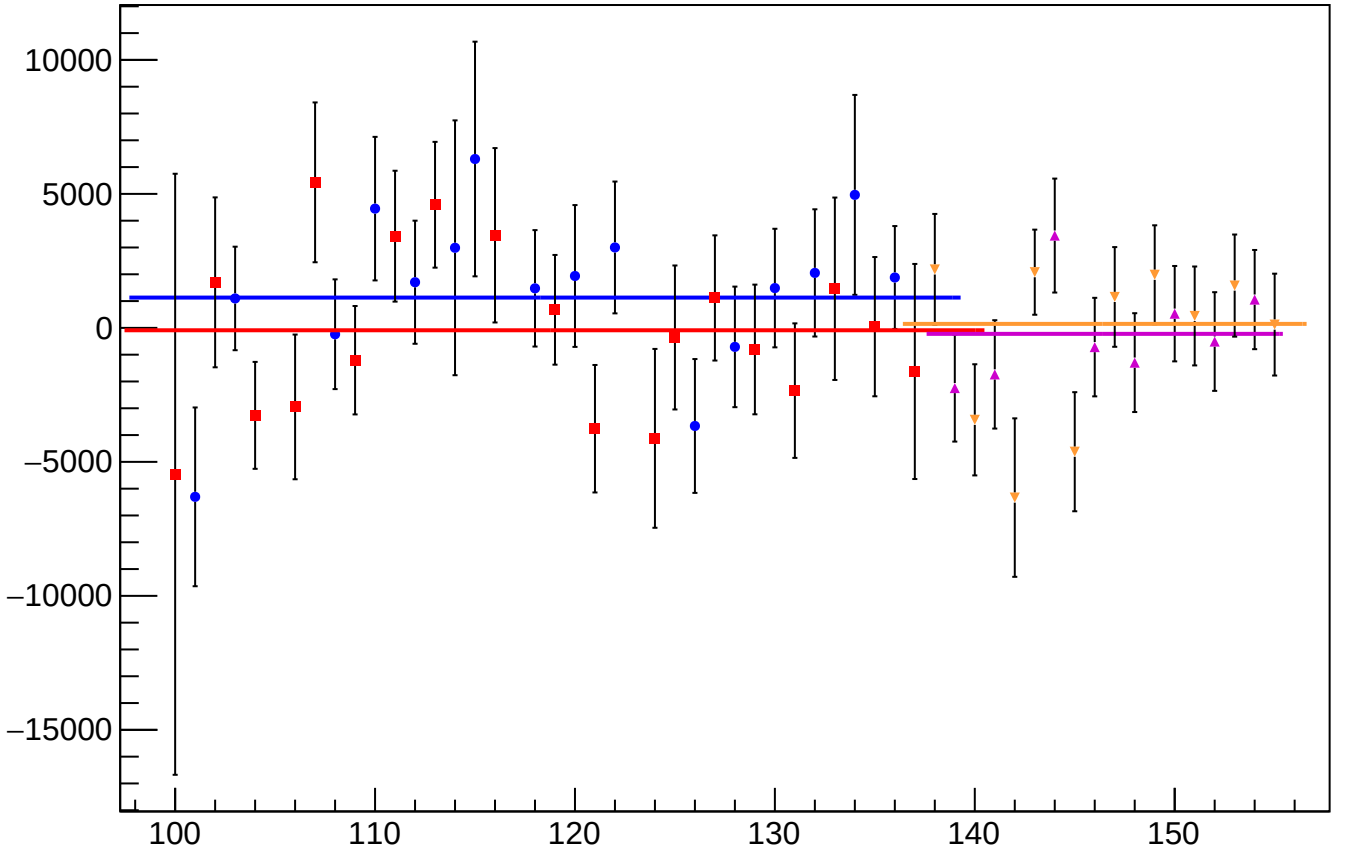
Left In: 959.428+/-0.258 χ^2/NDF:101139.0/7

+ sign 1108.348+/-0.217 χ^2/NDF: 3926142.0/25

All: 1090.112+/-0.152 χ^2/NDF: 6818394.3/52

- sign 1072.826+/-0.211 χ^2/NDF: 2878521.5/26

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 148.911+/-619.313 χ^2/NDF:16.7/9

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

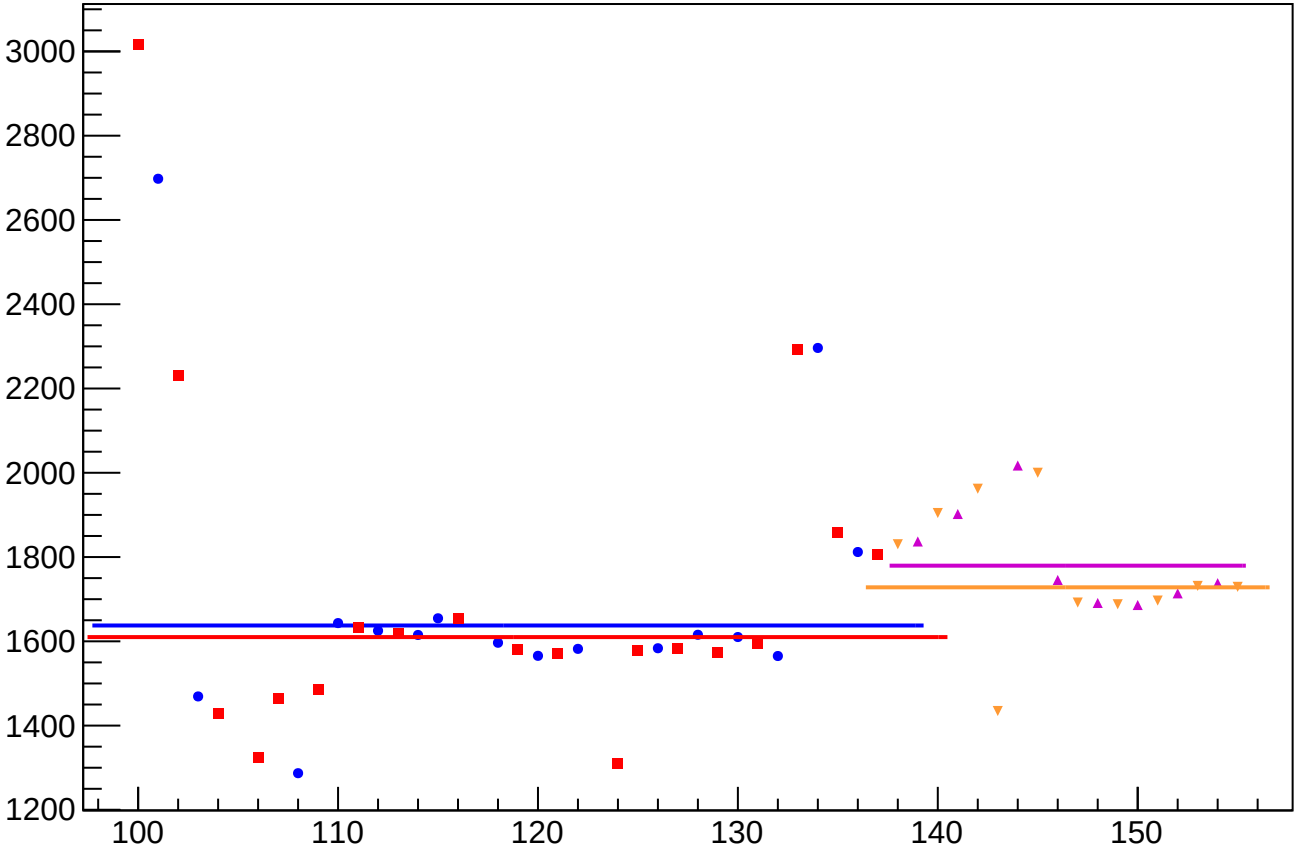
Left In: -223.231+/-672.824 χ^2/NDF:5.7/7

+ sign 641.469+/-437.184 χ^2/NDF: 33.0/25

All: 256.878+/-313.257 χ^2/NDF: 60.9/52

- sign -148.924+/-449.079 χ^2/NDF: 26.4/26

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1728.143+/-0.438 χ^2/NDF:132441.5/9

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

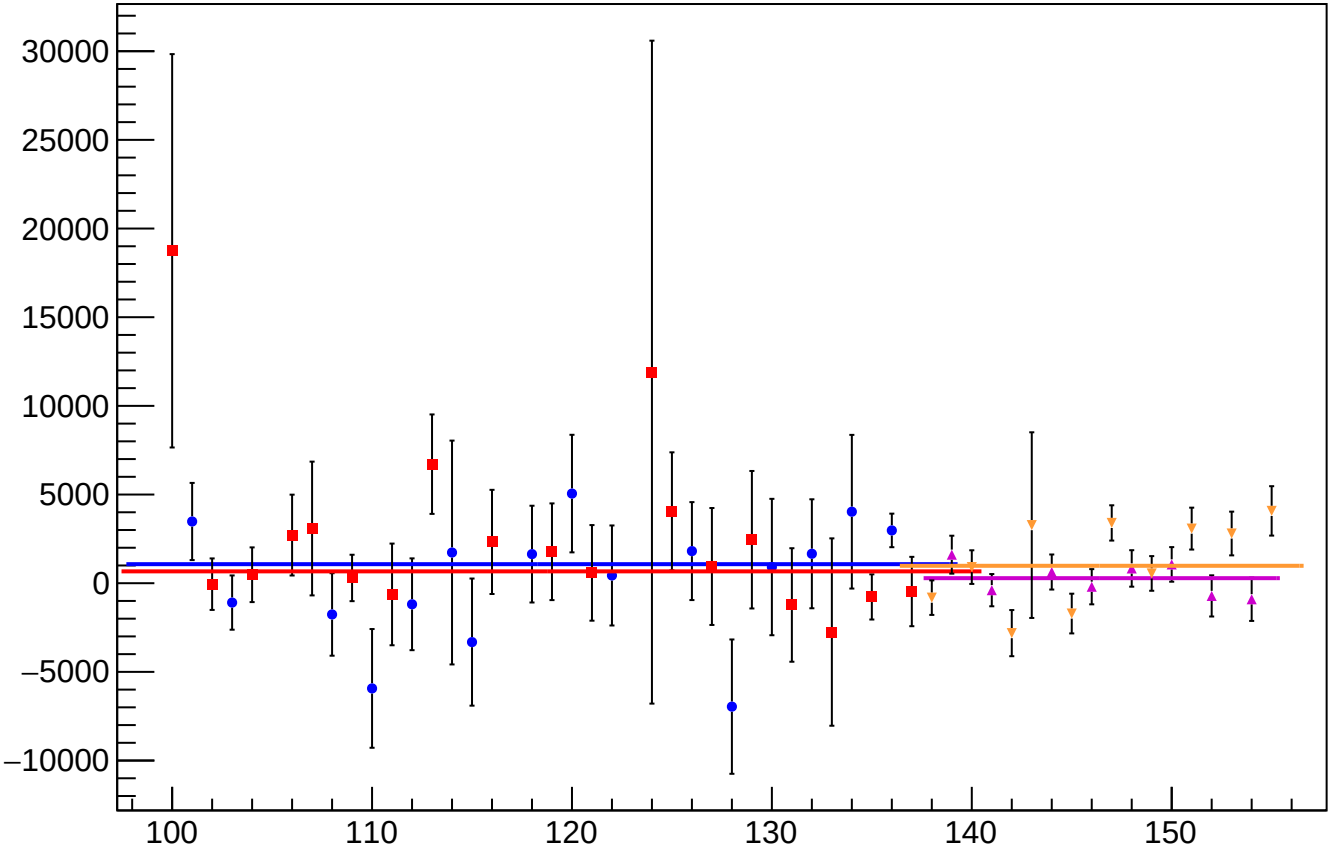
Left In: 1779.542+/-0.476 χ^2/NDF:48344.2/7

+ sign 1682.706+/-0.309 χ^2/NDF: 515316.7/25

All: 1684.092+/-0.222 χ^2/NDF: 914897.8/52

- sign 1685.553+/-0.318 χ^2/NDF: 399539.8/26

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 982.234+/-364.222 χ^2/NDF:34.3/9

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

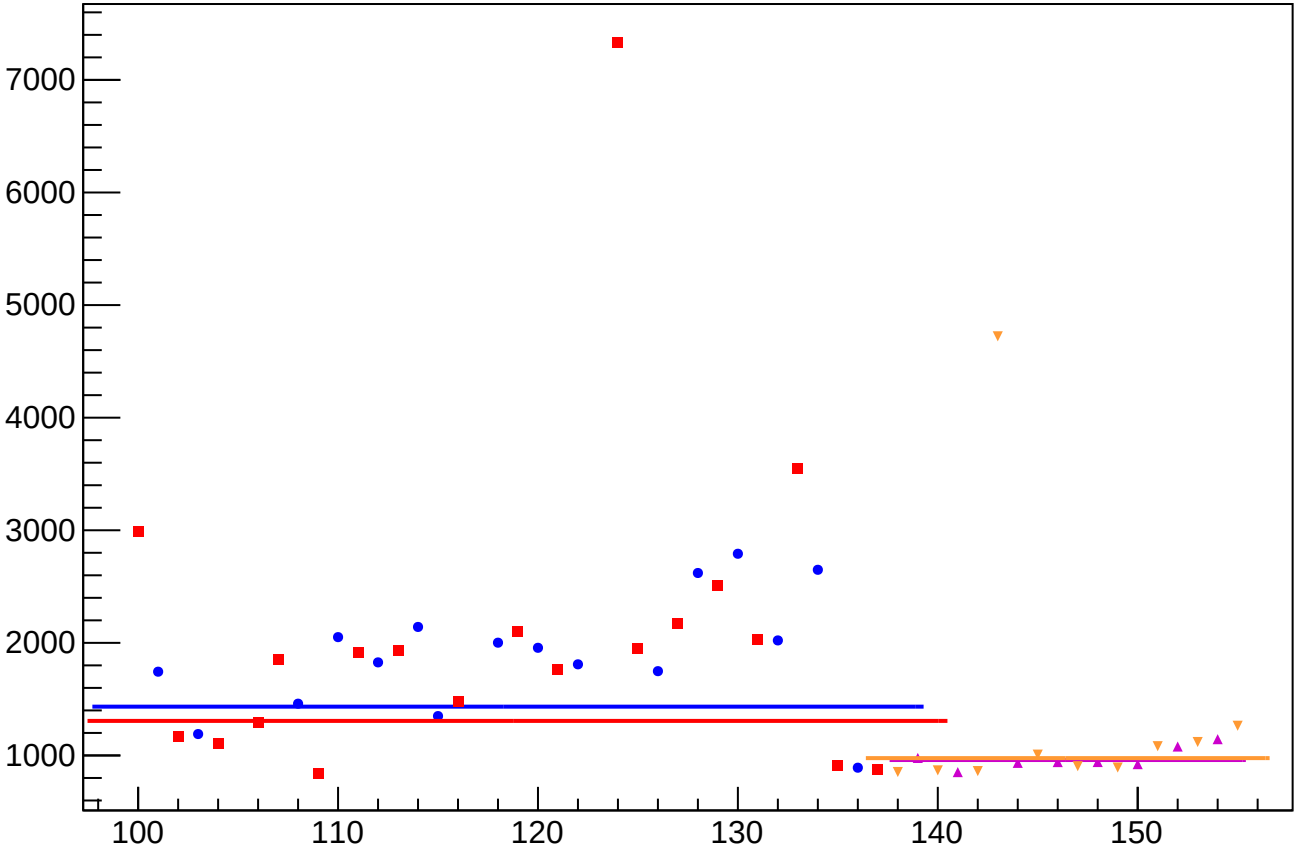
Left In: 284.017+/-364.382 χ^2/NDF:5.1/7

+ sign 1008.614+/-307.166 χ^2/NDF: 56.3/25

All: 700.935+/-214.277 χ^2/NDF: 77.2/52

- sign 409.273+/-299.064 χ^2/NDF: 19.0/26

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 976.350+/-0.258 χ^2/NDF:1252863.6/9

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

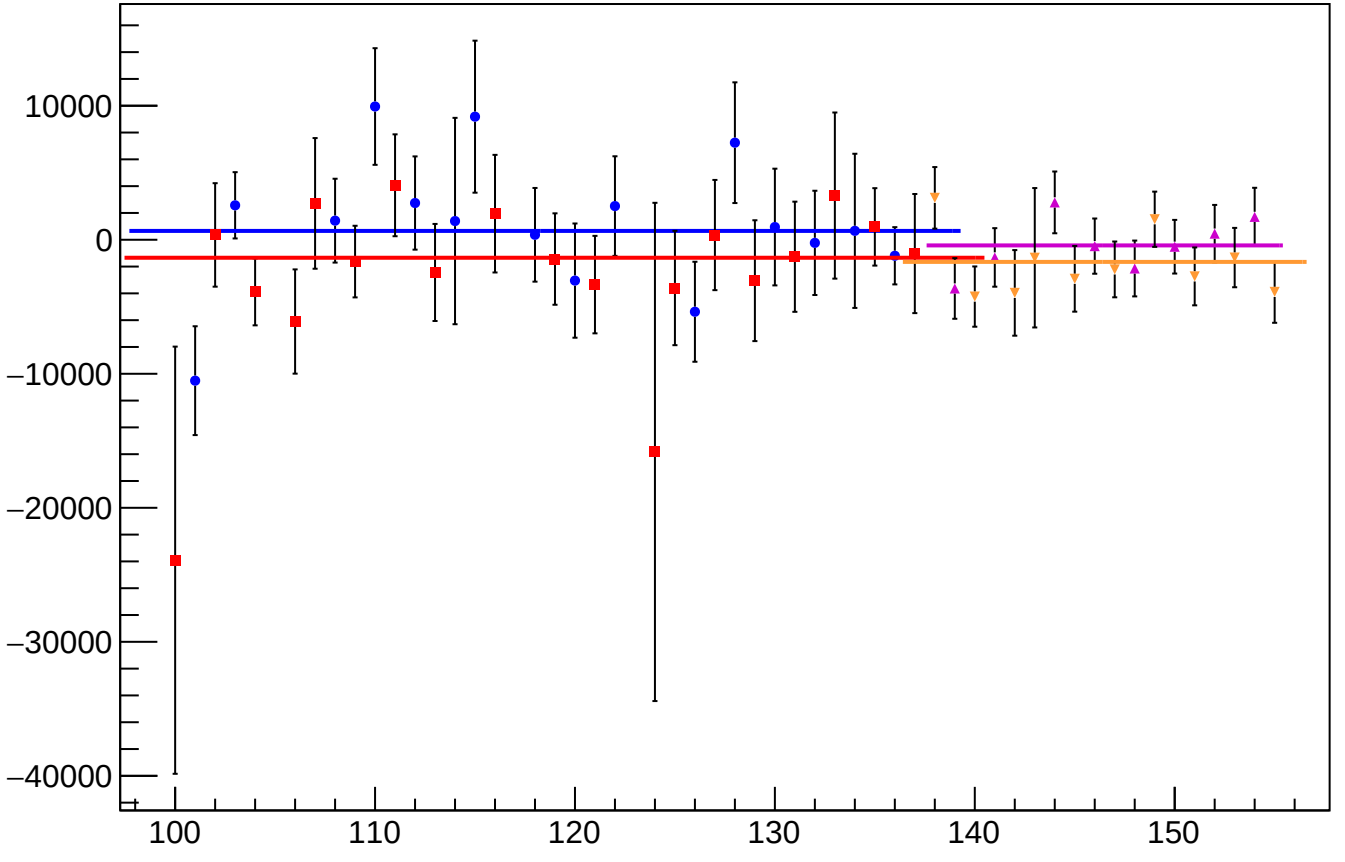
Left In: 959.429+/-0.258 χ^2/NDF:101139.2/7

+ sign 1108.356+/-0.217 χ^2/NDF: 3926056.6/25

All: 1090.118+/-0.152 χ^2/NDF: 6818275.7/52

- sign 1072.830+/-0.211 χ^2/NDF: 2878485.7/26

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1652.039+/-753.542 χ^2/NDF:10.1/9

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

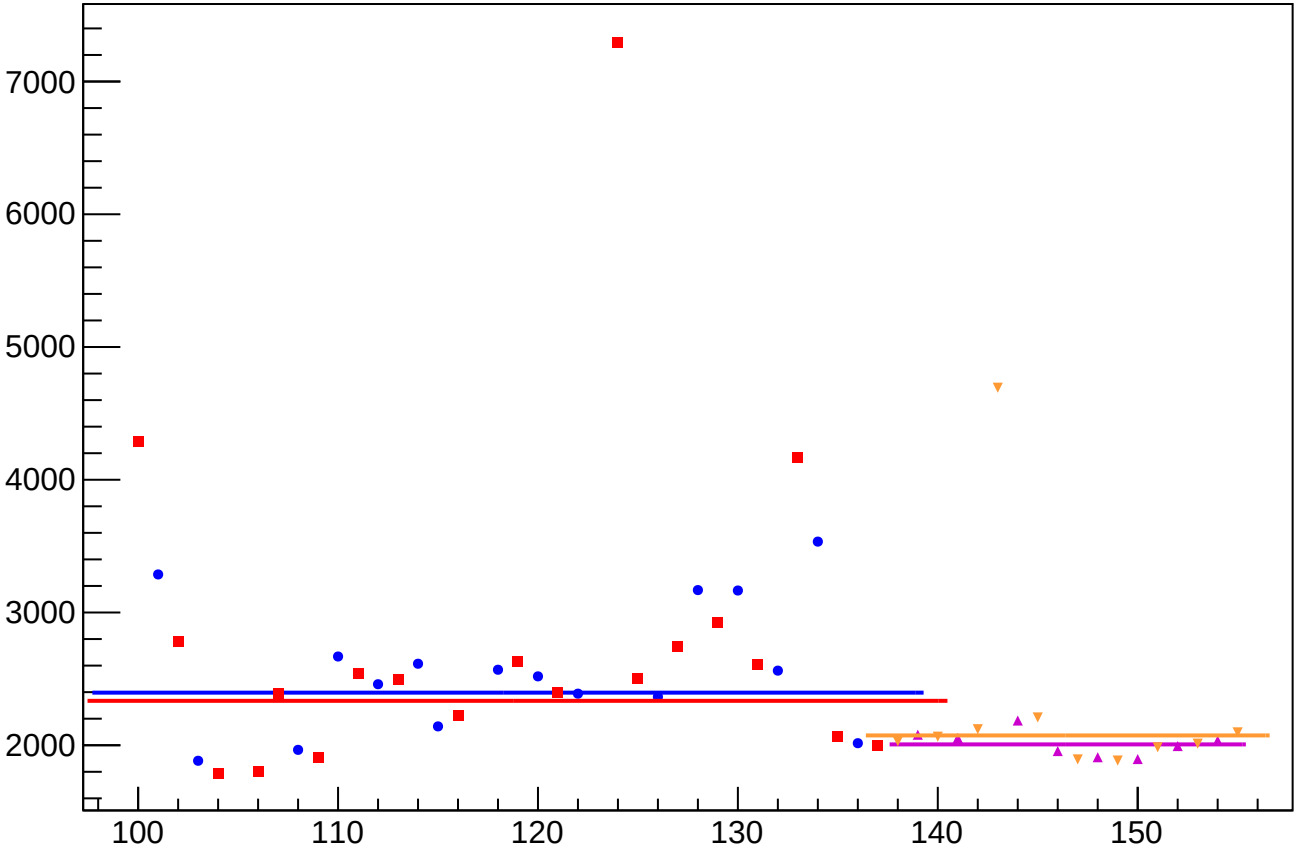
Left In: -421.933+/-758.095 χ^2/NDF:5.9/7

+ sign -711.256+/-580.276 χ^2/NDF: 35.9/25

All: -760.134+/-409.249 χ^2/NDF: 53.3/52

- sign -808.507+/-577.268 χ^2/NDF: 17.4/26

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2073.982+/-0.533 χ^2/NDF:551606.6/9

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

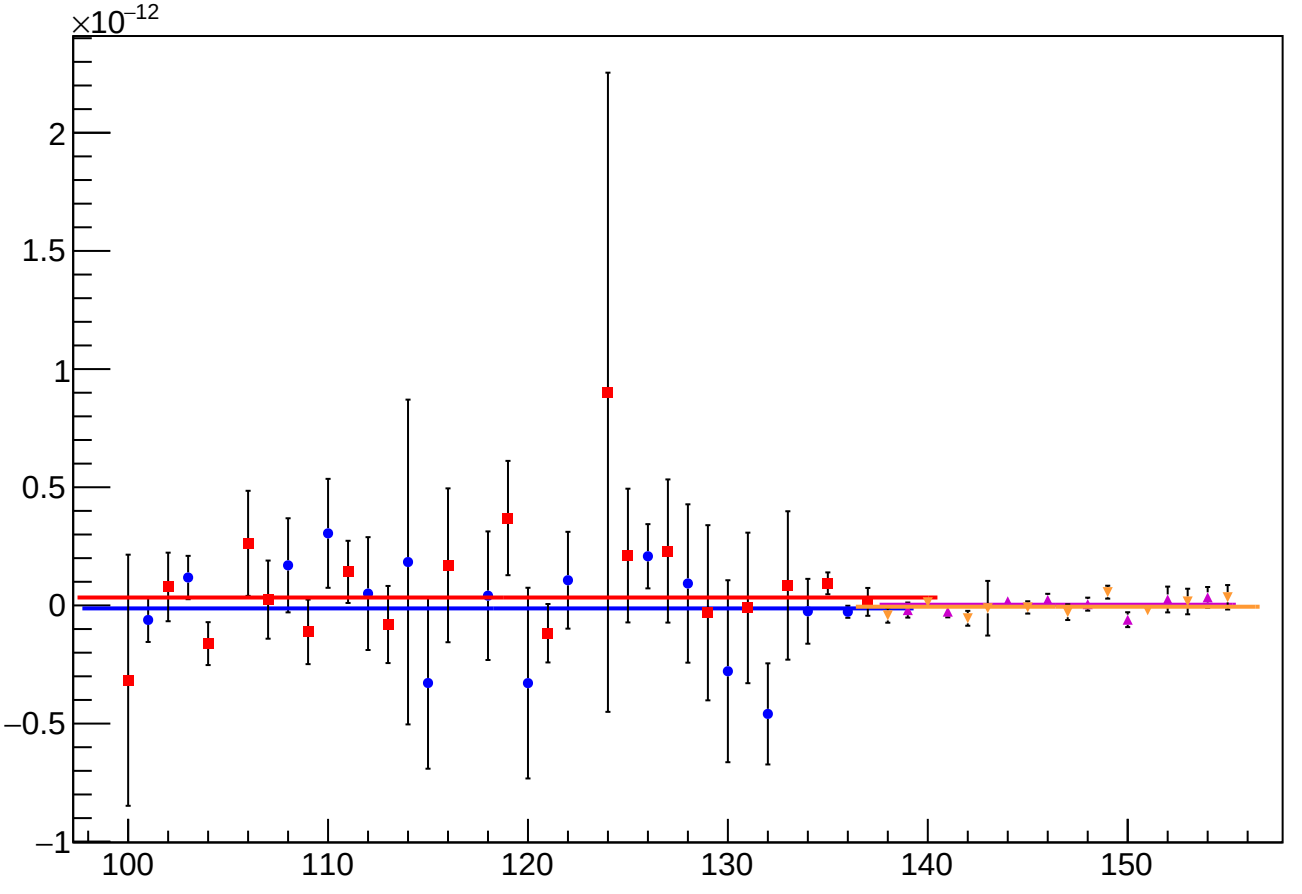
Left In: 2006.407+/-0.536 χ^2/NDF:27207.8/7

+ sign 2205.156+/-0.410 χ^2/NDF: 1208410.8/25

All: 2174.569+/-0.289 χ^2/NDF: 2085728.5/52

- sign 2144.299+/-0.408 χ^2/NDF: 866261.3/26

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:11.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

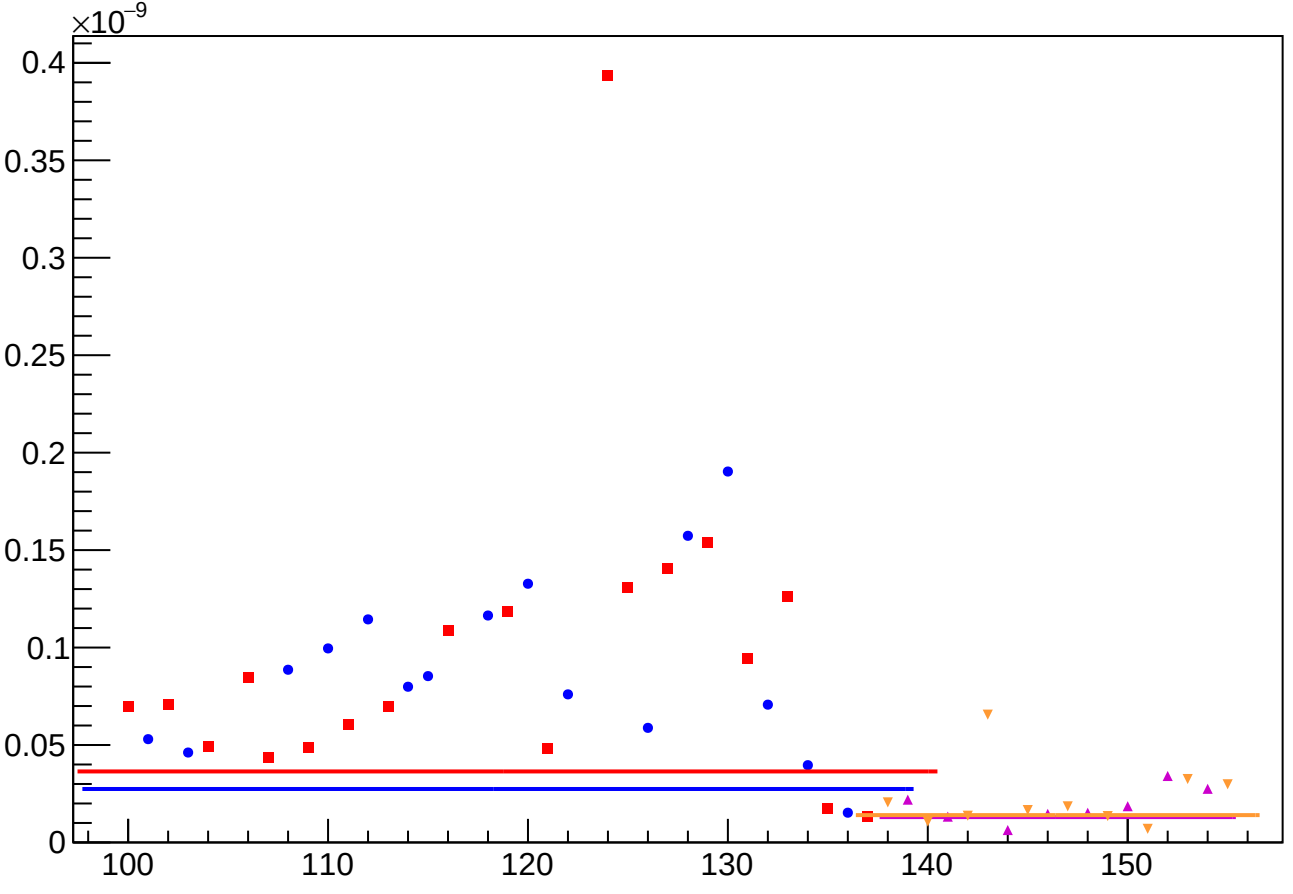
Left In: 0.000+/-0.000 χ^2/NDF:8.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/25

All: -0.000+/-0.000 χ^2/NDF: 52.4/52

- sign 0.000+/-0.000 χ^2/NDF: 24.7/26

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1313897.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

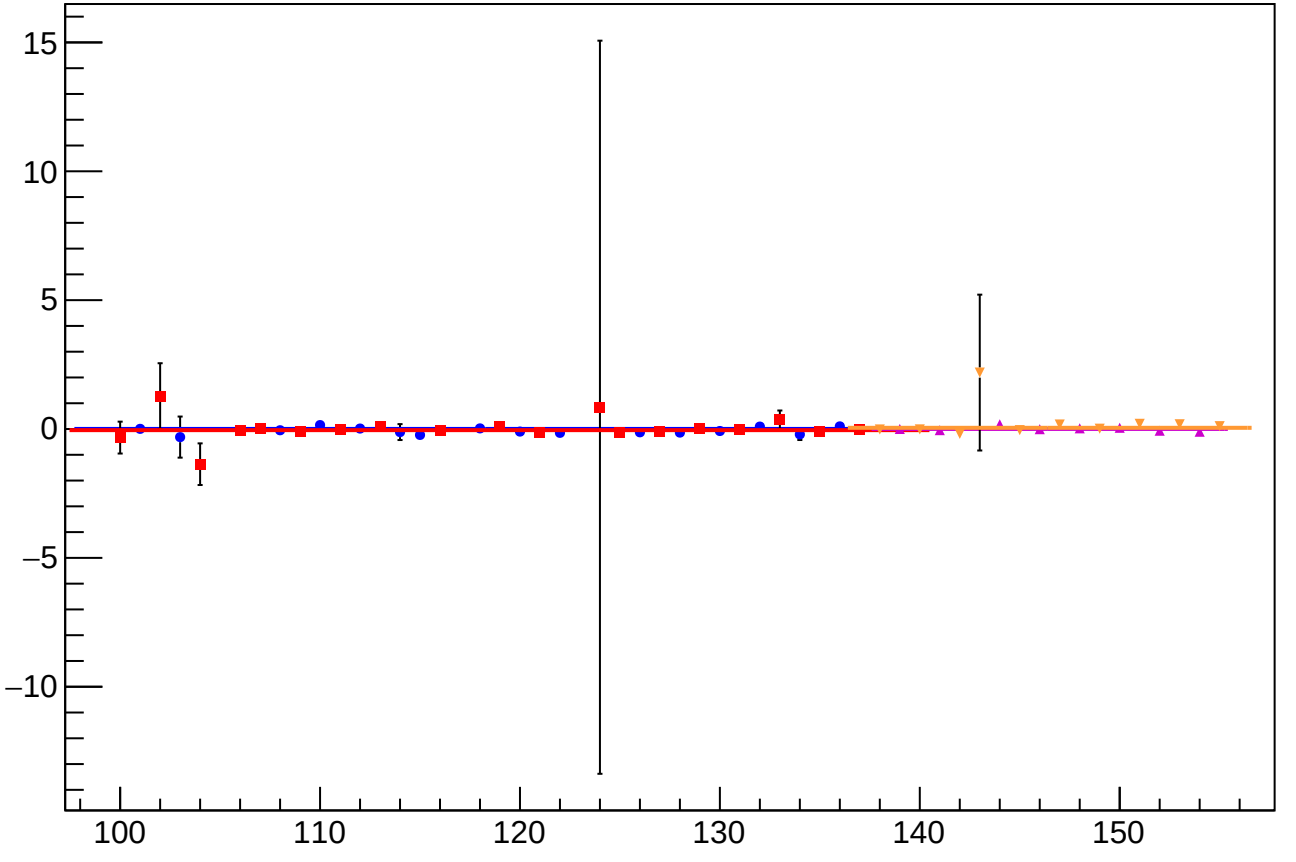
Left In: 0.000+/-0.000 χ^2/NDF:1223498.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 4668482.8/25

All: 0.000+/-0.000 χ^2/NDF: 9614796.2/52

- sign 0.000+/-0.000 χ^2/NDF: 4937961.7/26

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.047+/-0.025 χ^2/NDF:16.6/9

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

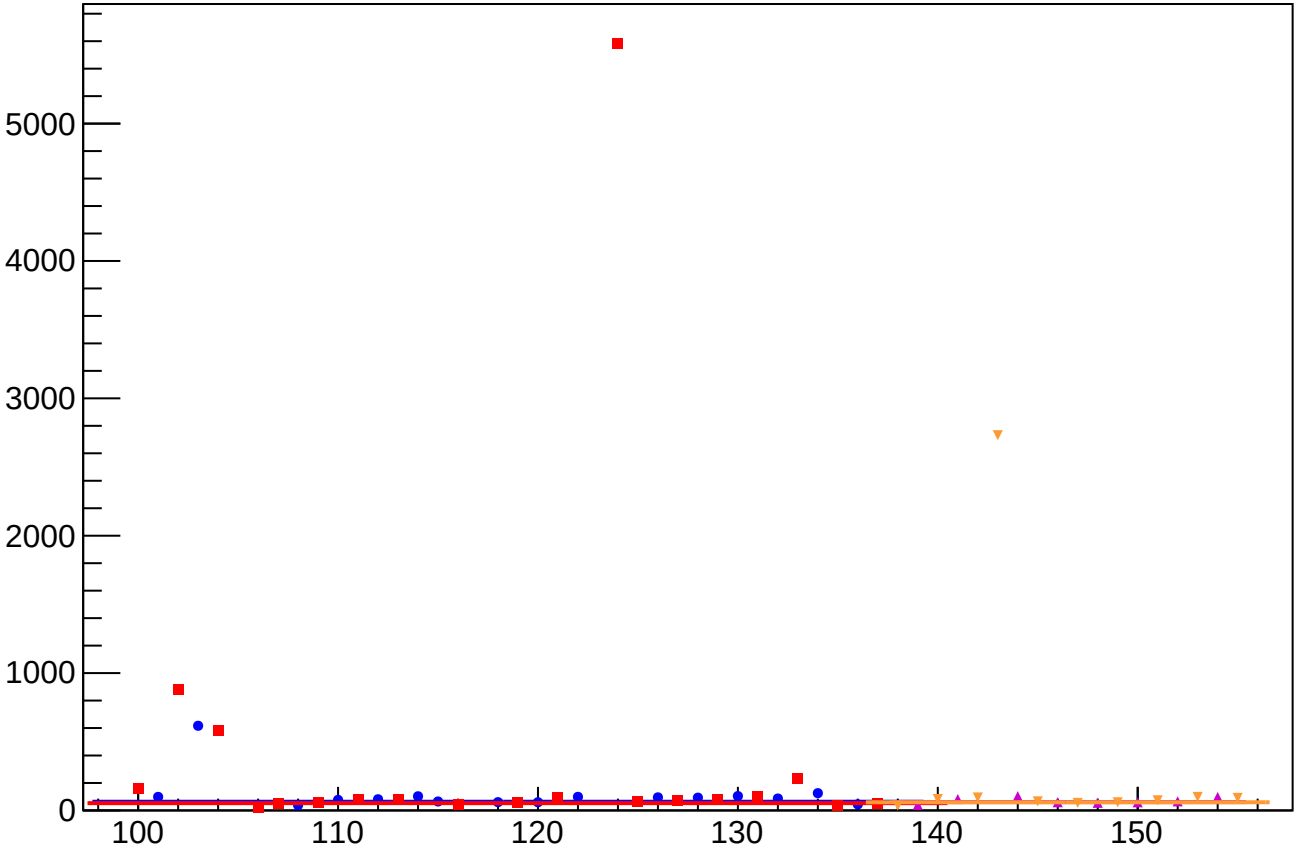
Left In: 0.004+/-0.025 χ^2/NDF:5.3/7

+ sign 0.027+/-0.018 χ^2/NDF: 31.2/25

All: 0.002+/-0.013 χ^2/NDF: 54.4/52

- sign -0.020+/-0.018 χ^2/NDF: 19.8/26

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 59.544+/-0.018 χ^2/NDF:2943044.4/9

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

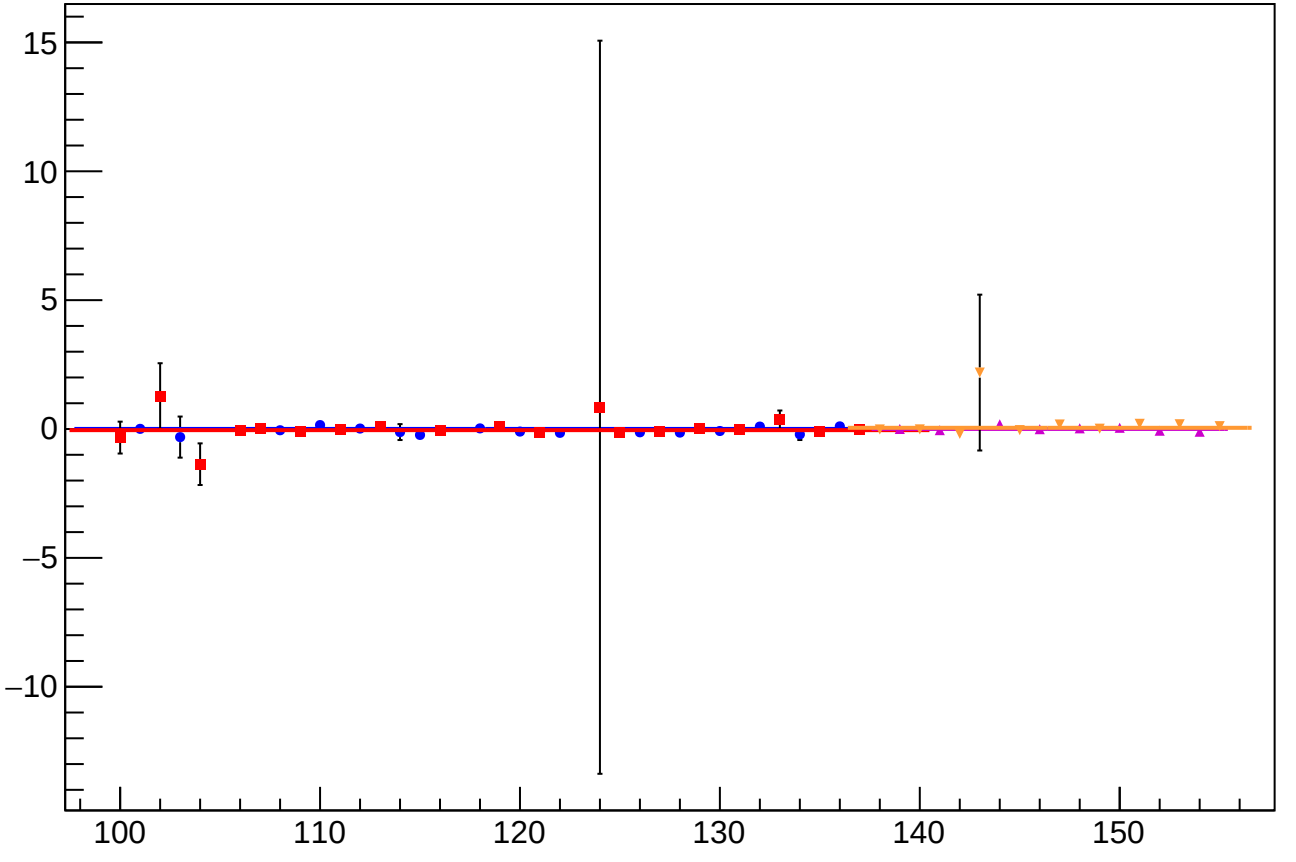
Left In: 60.997+/-0.018 χ^2/NDF:1008703.5/7

+ sign 61.326+/-0.013 χ^2/NDF: 5410772.7/25

All: 59.097+/-0.009 χ^2/NDF: 10518400.9/52

- sign 57.015+/-0.013 χ^2/NDF: 5050692.1/26

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.047+/-0.025 χ^2/NDF:16.6/9

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

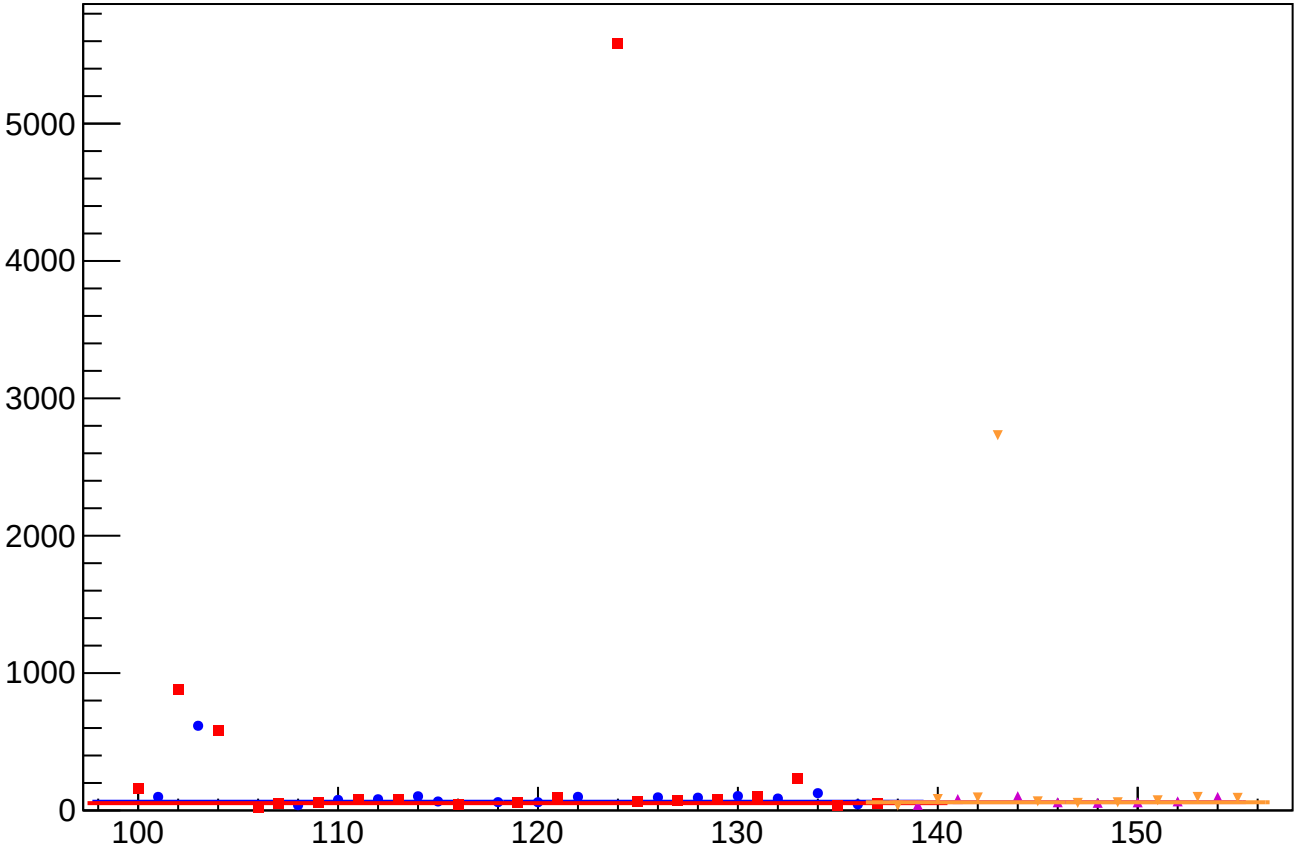
Left In: 0.004+/-0.025 χ^2/NDF:5.3/7

+ sign 0.027+/-0.018 χ^2/NDF: 31.2/25

All: 0.002+/-0.013 χ^2/NDF: 54.4/52

- sign -0.020+/-0.018 χ^2/NDF: 19.8/26

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: 59.544+/-0.018 χ^2/NDF:2943044.4/9

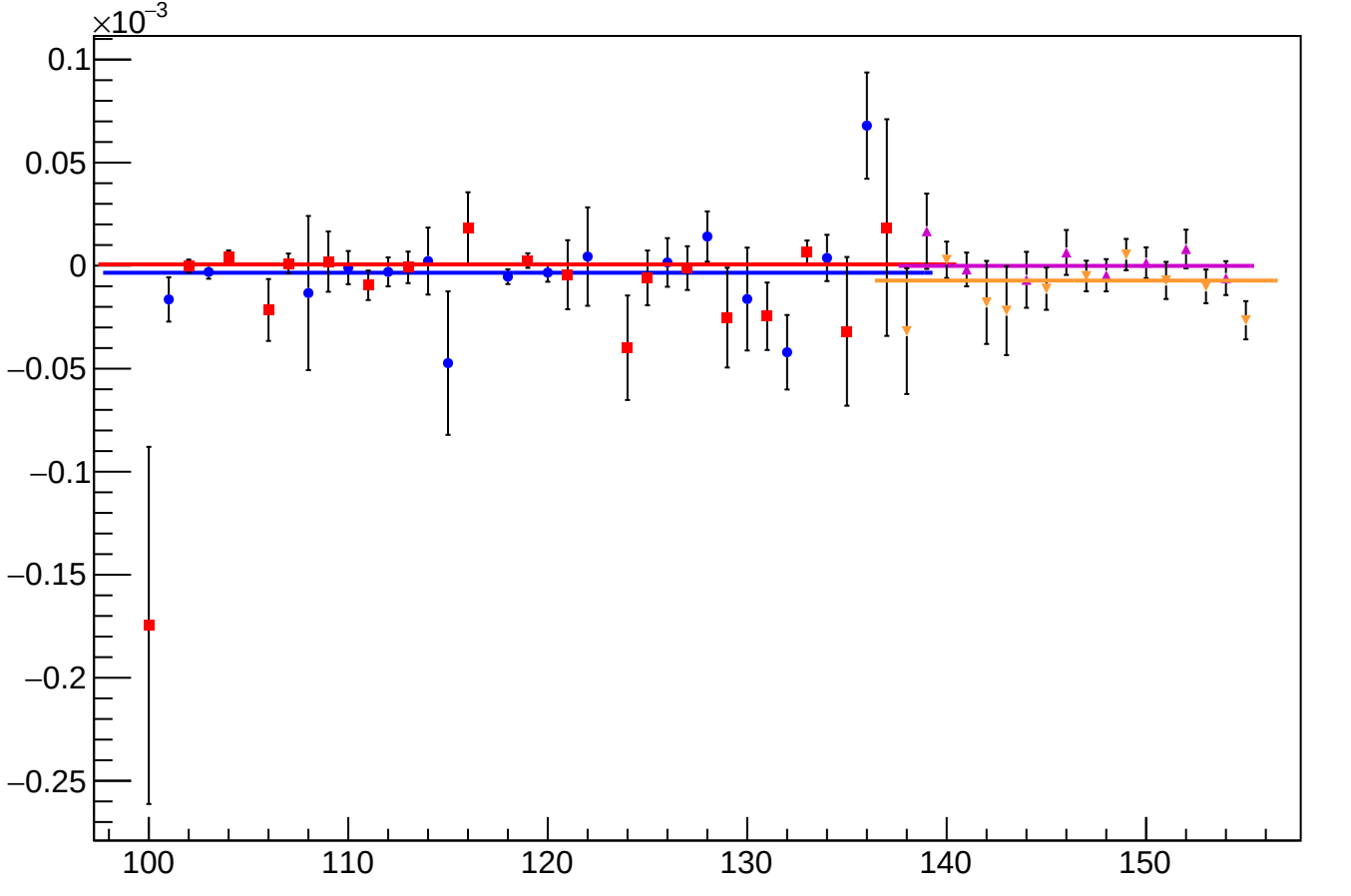
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 60.997+/-0.018 χ^2/NDF:1008703.5/7

+ sign 61.326+/-0.013 χ^2/NDF: 5410772.7/25

All: 59.097+/-0.009 χ^2/NDF: 10518400.9/52

- sign 57.015+/-0.013 χ^2/NDF: 5050692.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/9

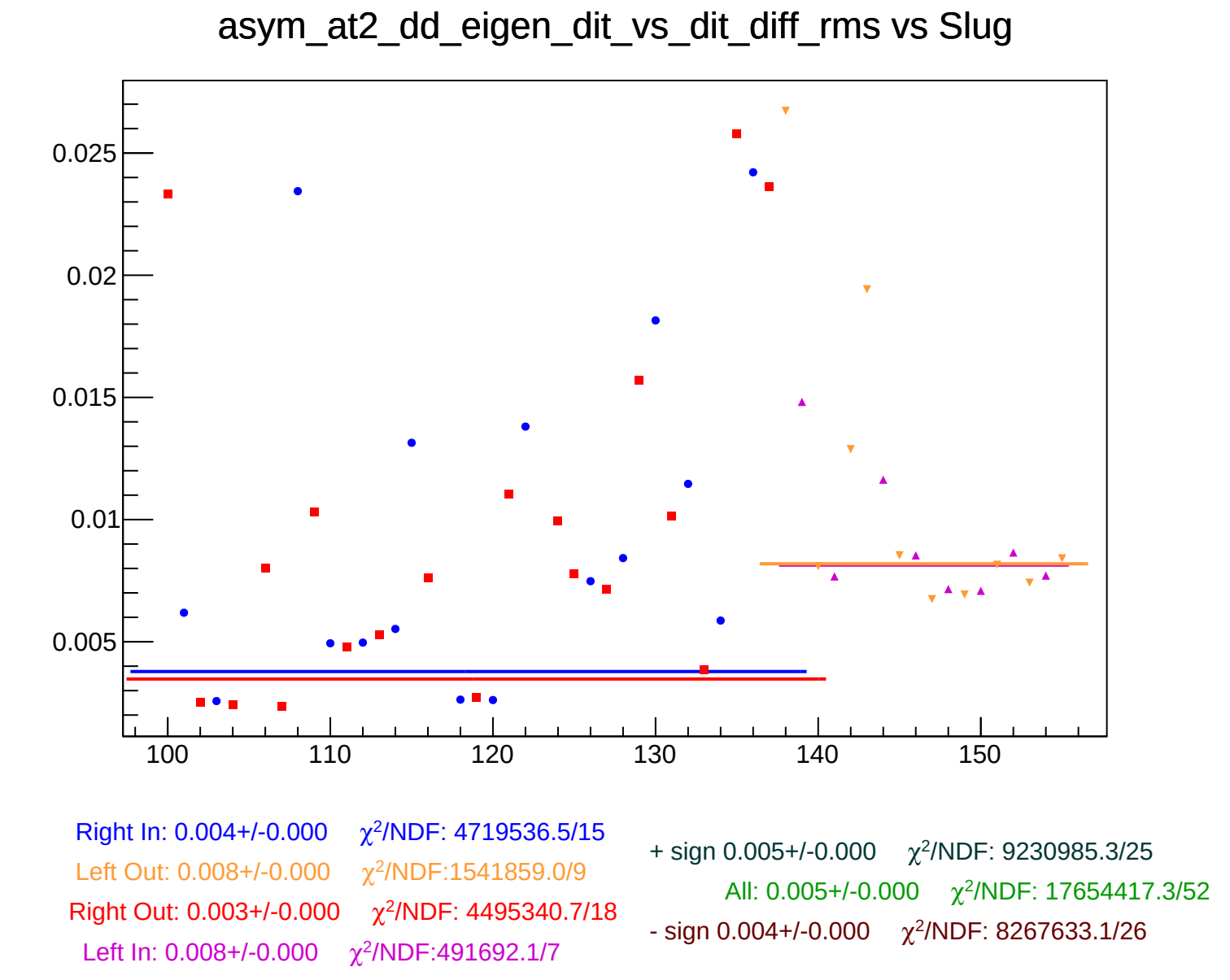
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/7

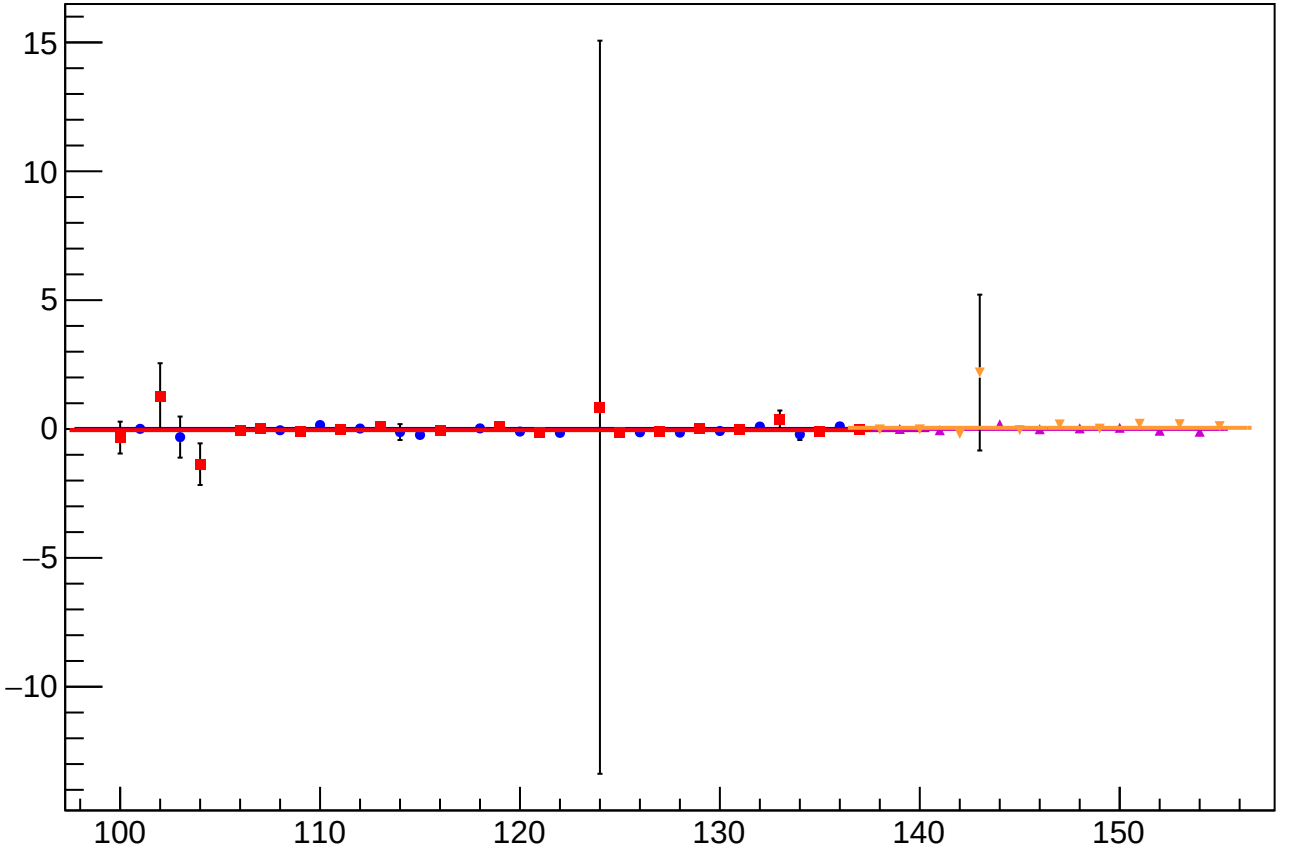
+ sign -0.000+/-0.000 χ^2/NDF: 30.1/25

All: -0.000+/-0.000 χ^2/NDF: 57.8/52

- sign 0.000+/-0.000 χ^2/NDF: 22.3/26


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
Right In: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.008+/-0.000 χ²/NDF:1541859.0/9
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.008+/-0.000 χ²/NDF:491692.1/7
+ sign 0.005+/-0.000 χ²/NDF: 9230985.3/25
All: 0.005+/-0.000 χ²/NDF: 17654417.3/52
- sign 0.004+/-0.000 χ²/NDF: 8267633.1/26

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.047+/-0.025 χ^2/NDF:16.6/9

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

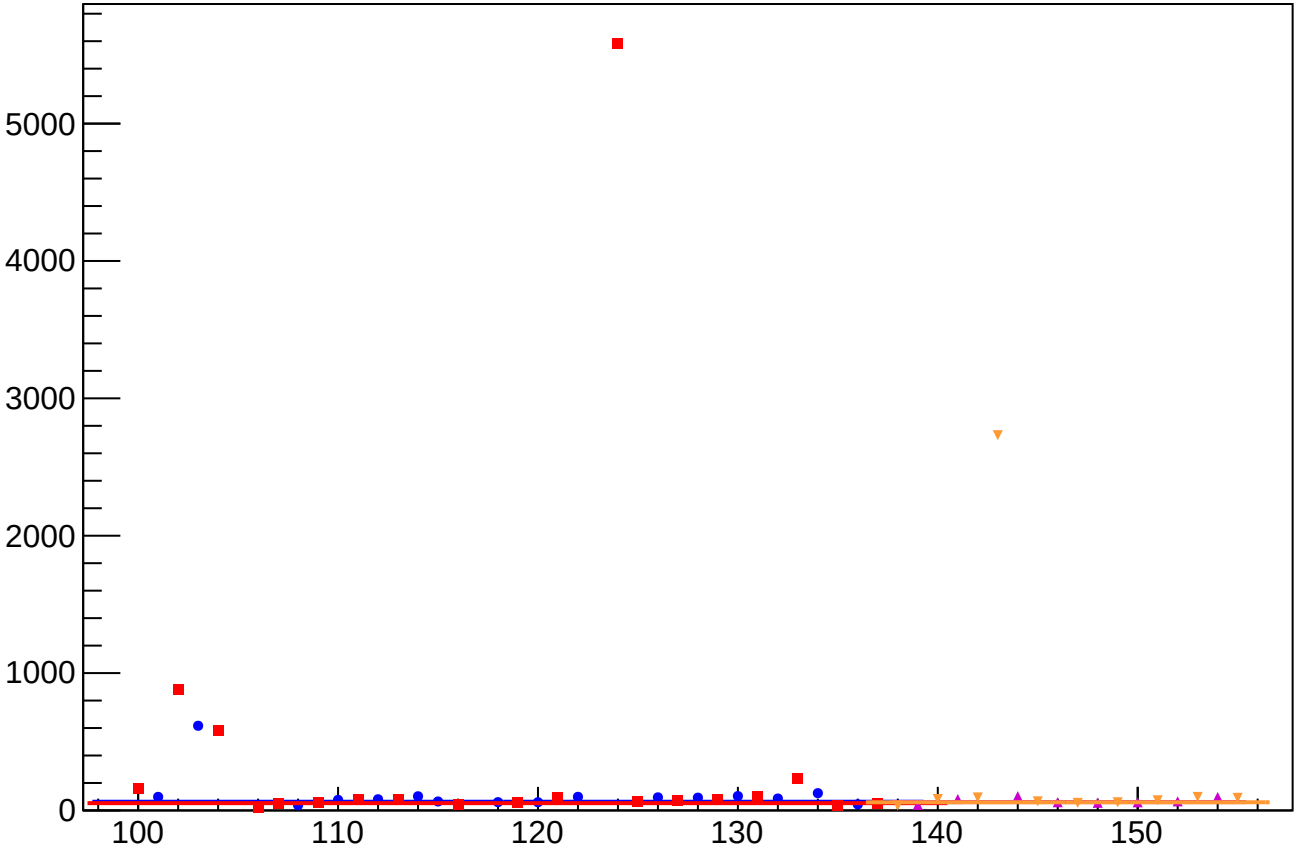
Left In: 0.004+/-0.025 χ^2/NDF:5.3/7

+ sign 0.027+/-0.018 χ^2/NDF: 31.2/25

All: 0.002+/-0.013 χ^2/NDF: 54.4/52

- sign -0.020+/-0.018 χ^2/NDF: 19.8/26

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: 59.542+/-0.018 χ^2/NDF:2943041.8/9

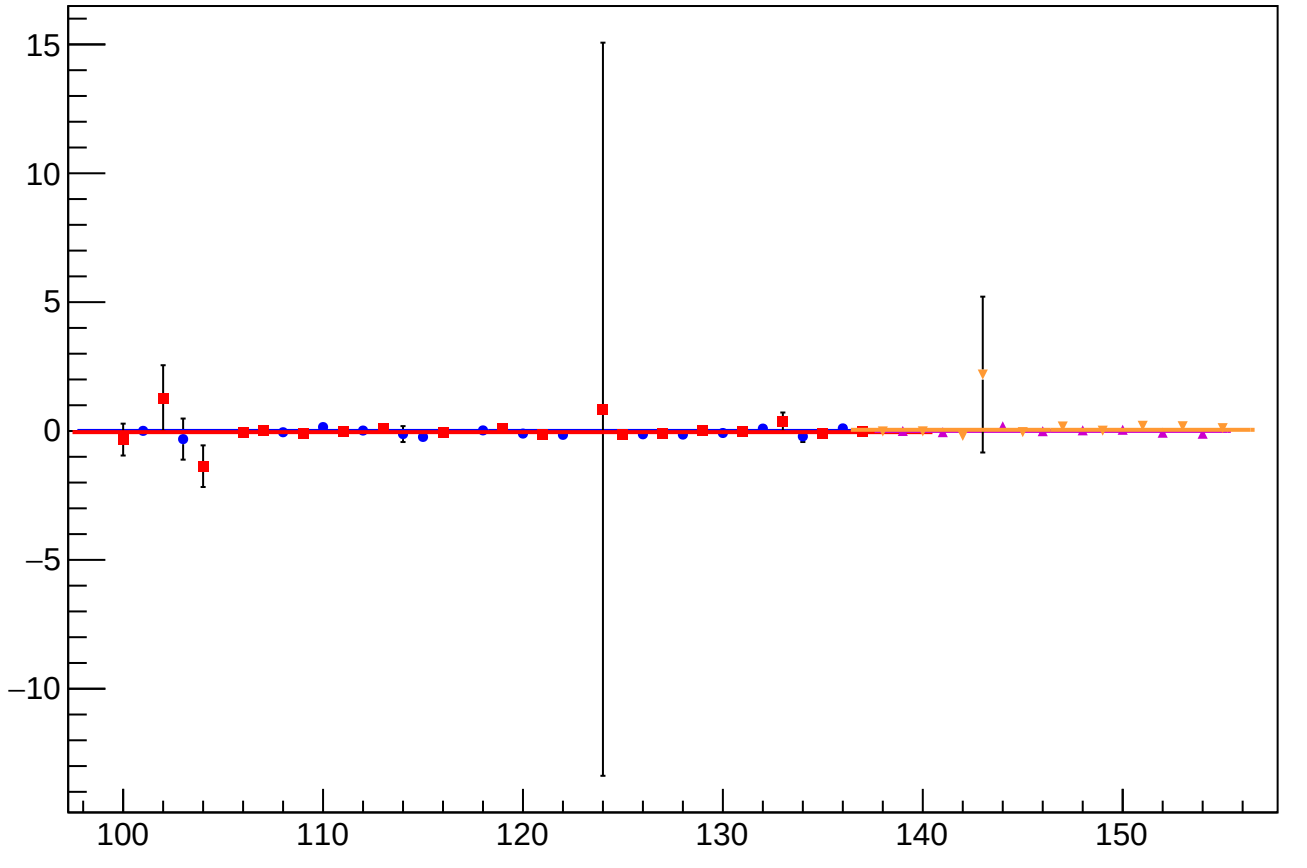
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 61.001+/-0.018 χ^2/NDF:1008341.6/7

+ sign 61.328+/-0.013 χ^2/NDF: 5409997.6/25

All: 59.098+/-0.009 χ^2/NDF: 10518129.8/52

- sign 57.014+/-0.013 χ^2/NDF: 5051095.4/26



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.047+/-0.025 χ^2/NDF:16.6/9

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

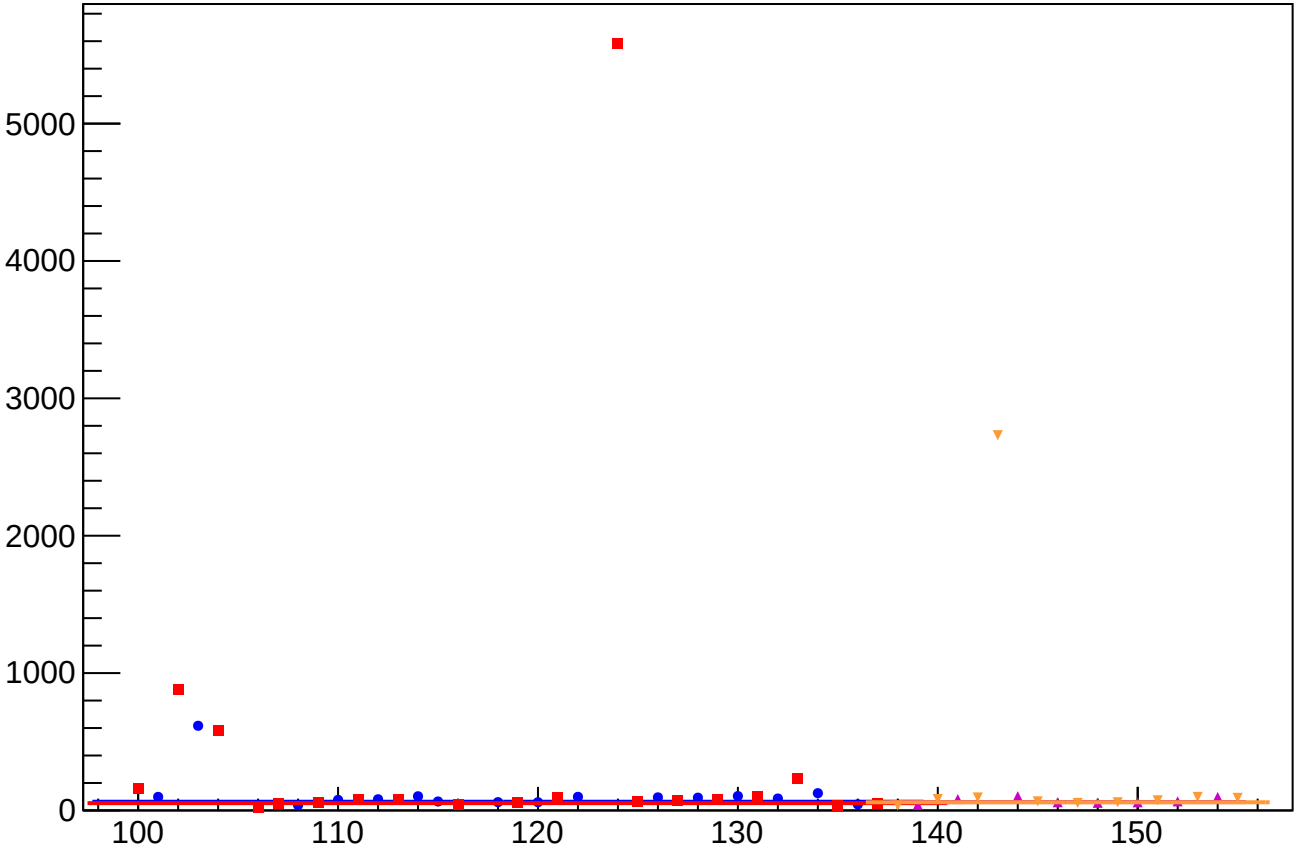
Left In: 0.004+/-0.025 χ^2/NDF:5.3/7

+ sign 0.027+/-0.018 χ^2/NDF: 31.2/25

All: 0.002+/-0.013 χ^2/NDF: 54.4/52

- sign -0.020+/-0.018 χ^2/NDF: 19.8/26

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: 59.542+/-0.018 χ^2/NDF:2943041.8/9

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

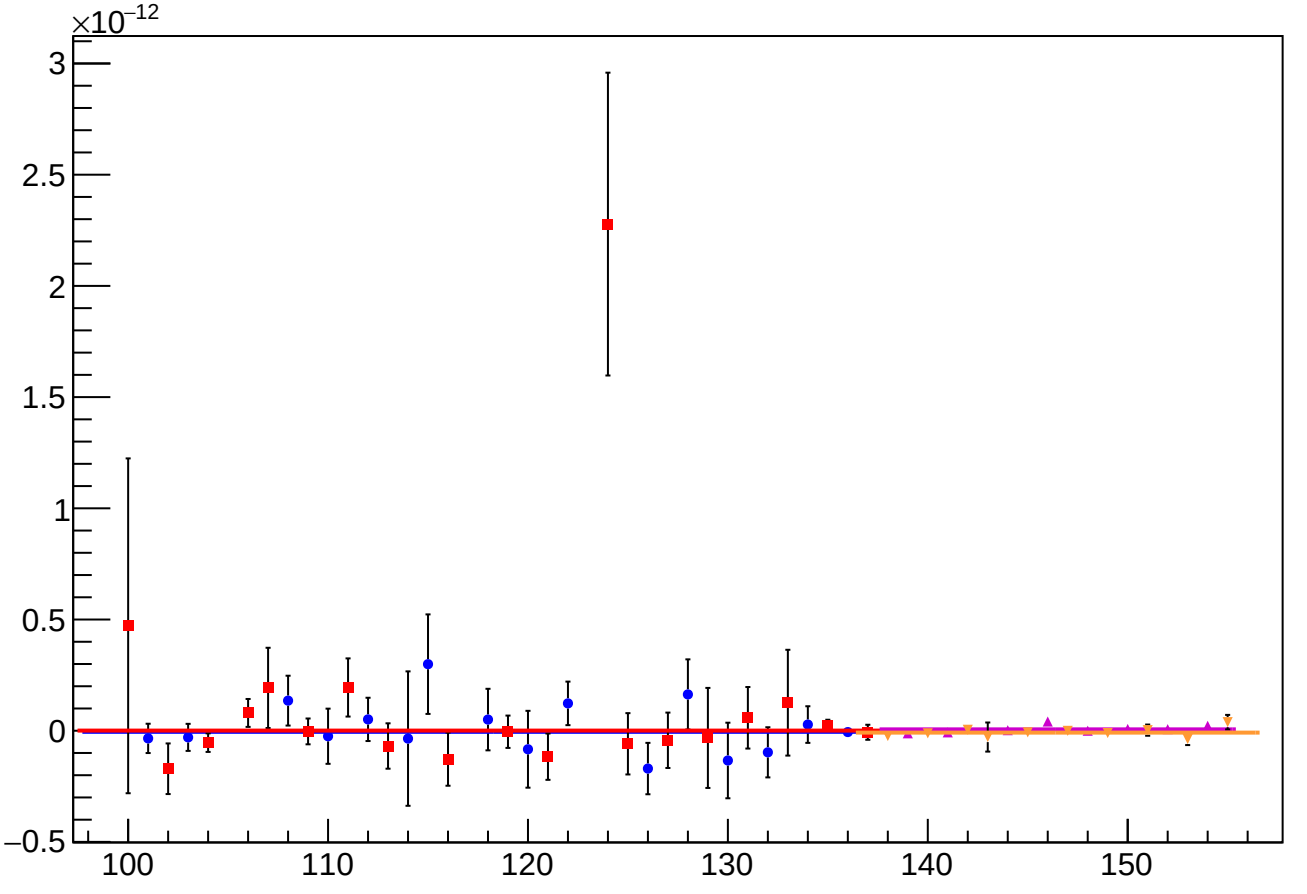
Left In: 61.001+/-0.018 χ^2/NDF:1008341.6/7

+ sign 61.328+/-0.013 χ^2/NDF: 5409997.6/25

All: 59.098+/-0.009 χ^2/NDF: 10518129.8/52

- sign 57.014+/-0.013 χ^2/NDF: 5051095.4/26

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:5.3/9

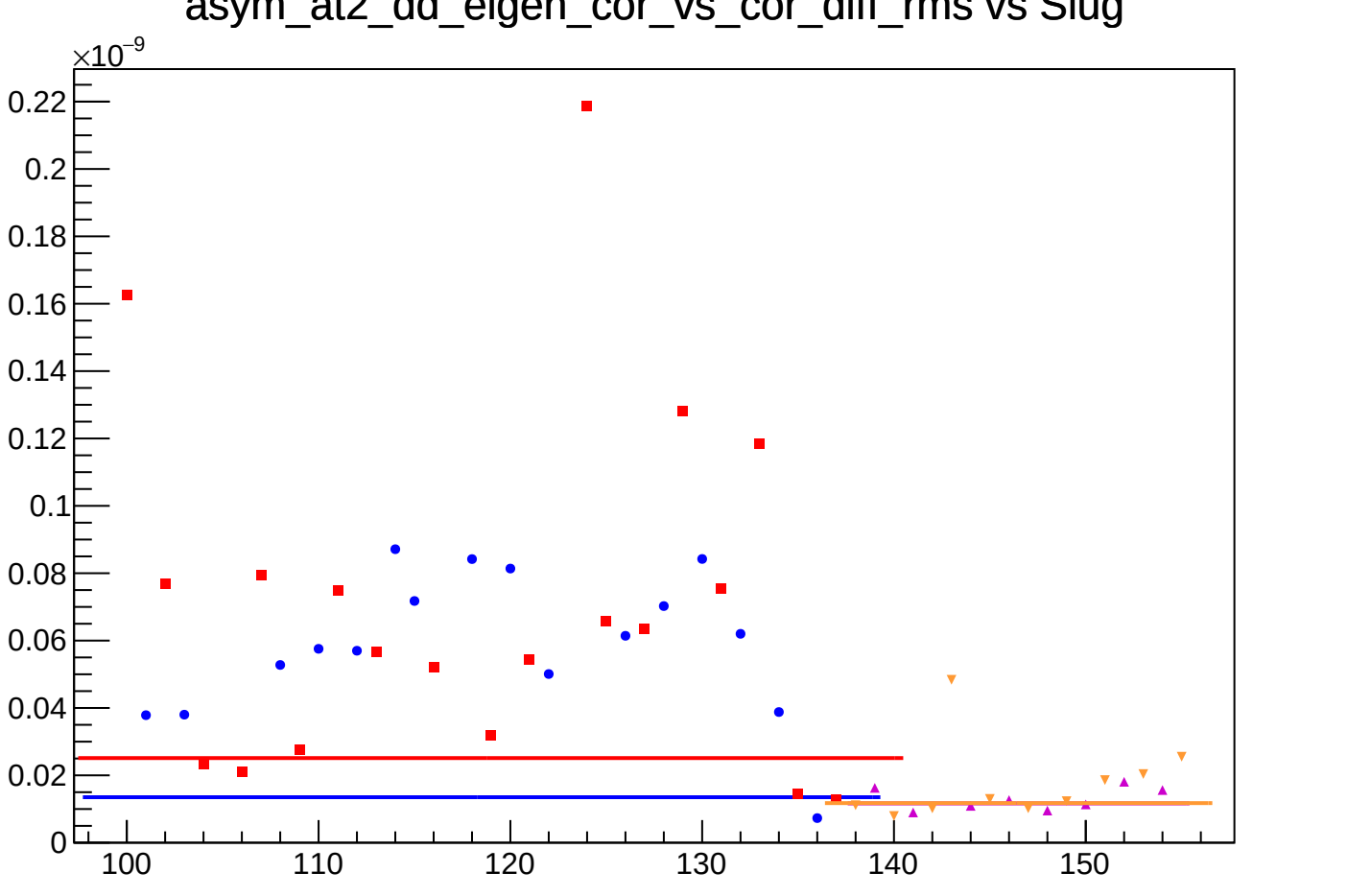
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/7

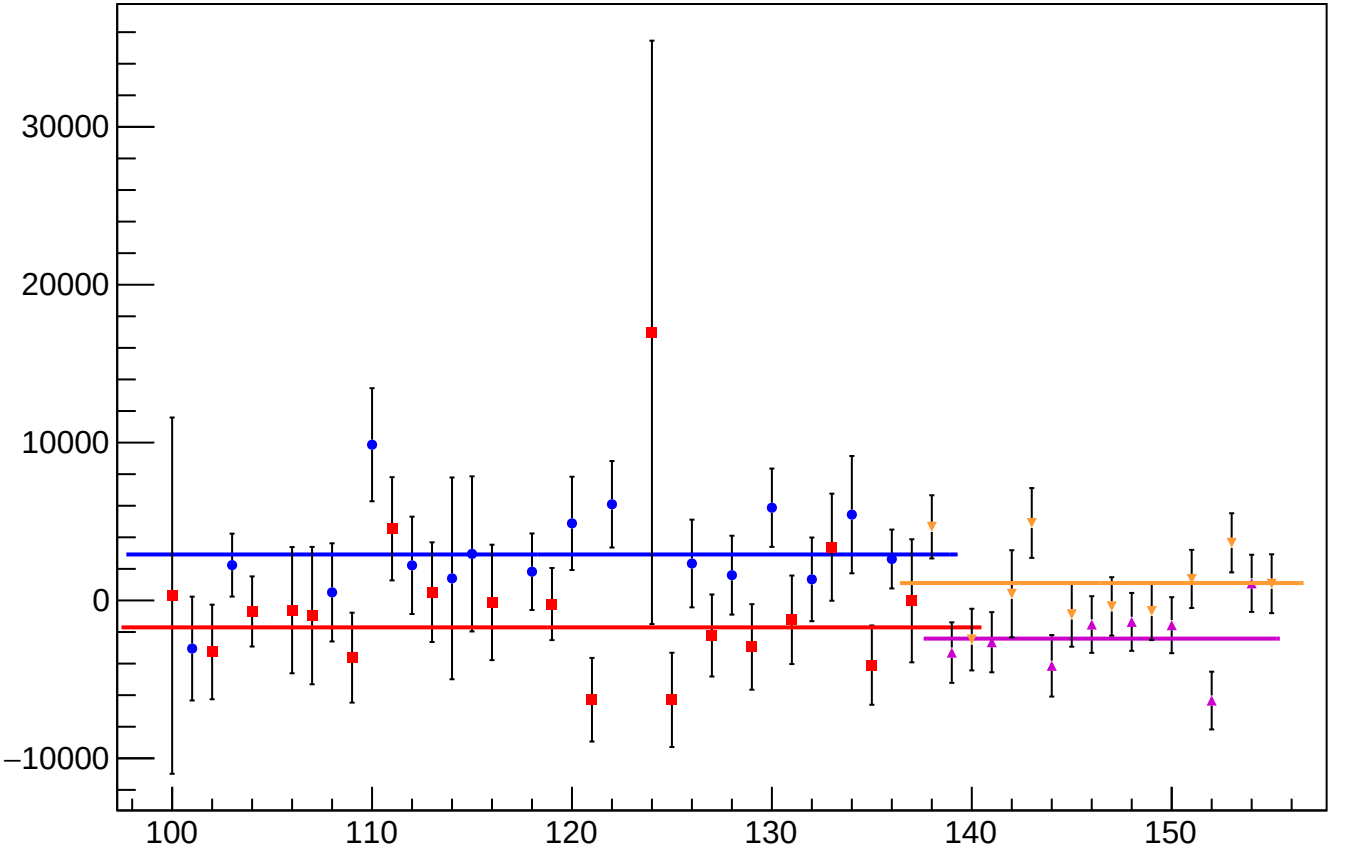
+ sign -0.000+/-0.000 χ^2/NDF: 16.2/25

All: -0.000+/-0.000 χ^2/NDF: 52.4/52

- sign 0.000+/-0.000 χ^2/NDF: 32.8/26


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
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1662012.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:481387.4/7
+ sign 0.000+/-0.000 χ²/NDF: 6700640.1/25
All: 0.000+/-0.000 χ²/NDF: 12218393.7/52
- sign 0.000+/-0.000 χ²/NDF: 5465720.2/26

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1102.796+/-627.364 χ^2/NDF:13.9/9

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

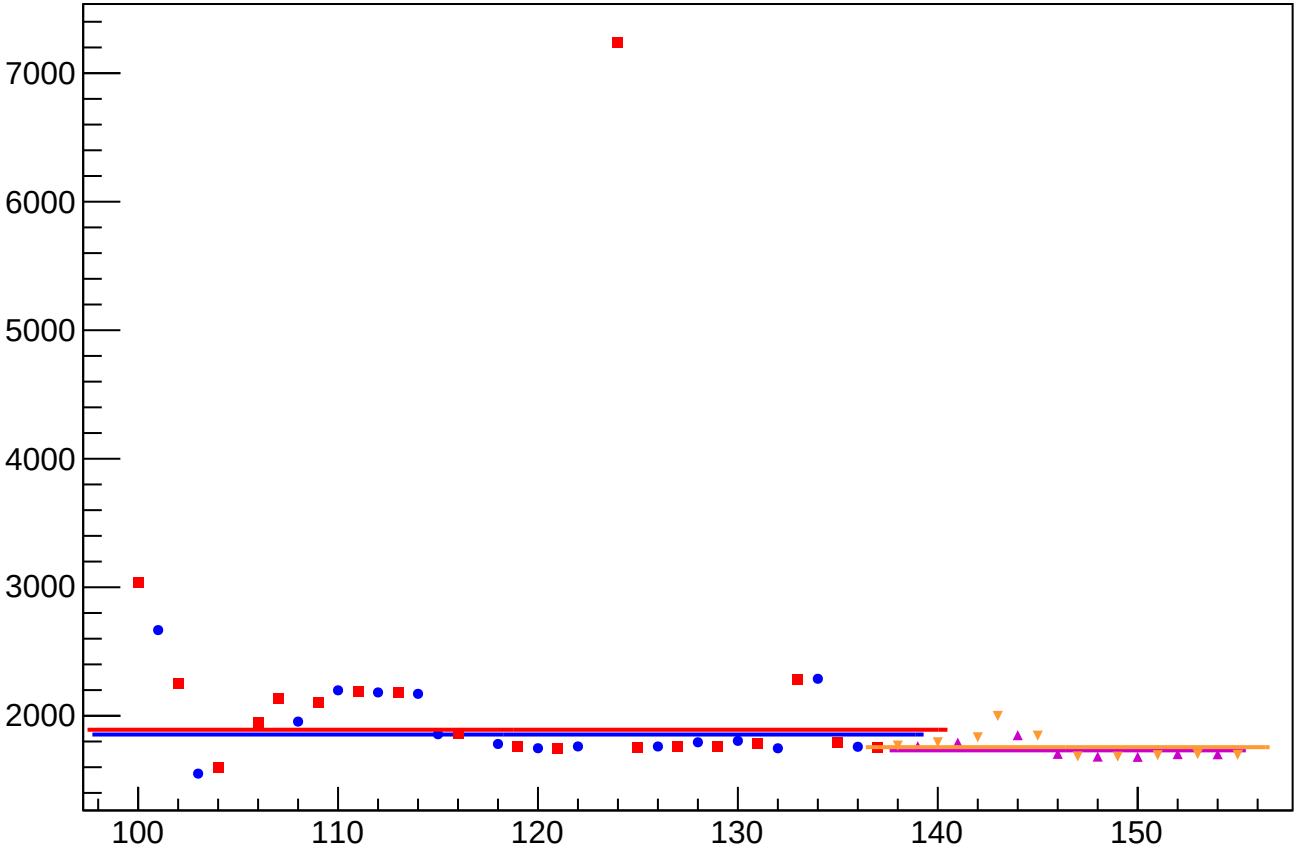
Left In: -2418.104+/-653.647 χ^2/NDF:10.2/7

+ sign 1915.468+/-465.713 χ^2/NDF: 30.1/25

All: -26.850+/-334.213 χ^2/NDF: 92.5/52

- sign -2089.350+/-479.905 χ^2/NDF: 26.5/26

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1755.950+/-0.444 χ^2/NDF:42535.6/9

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

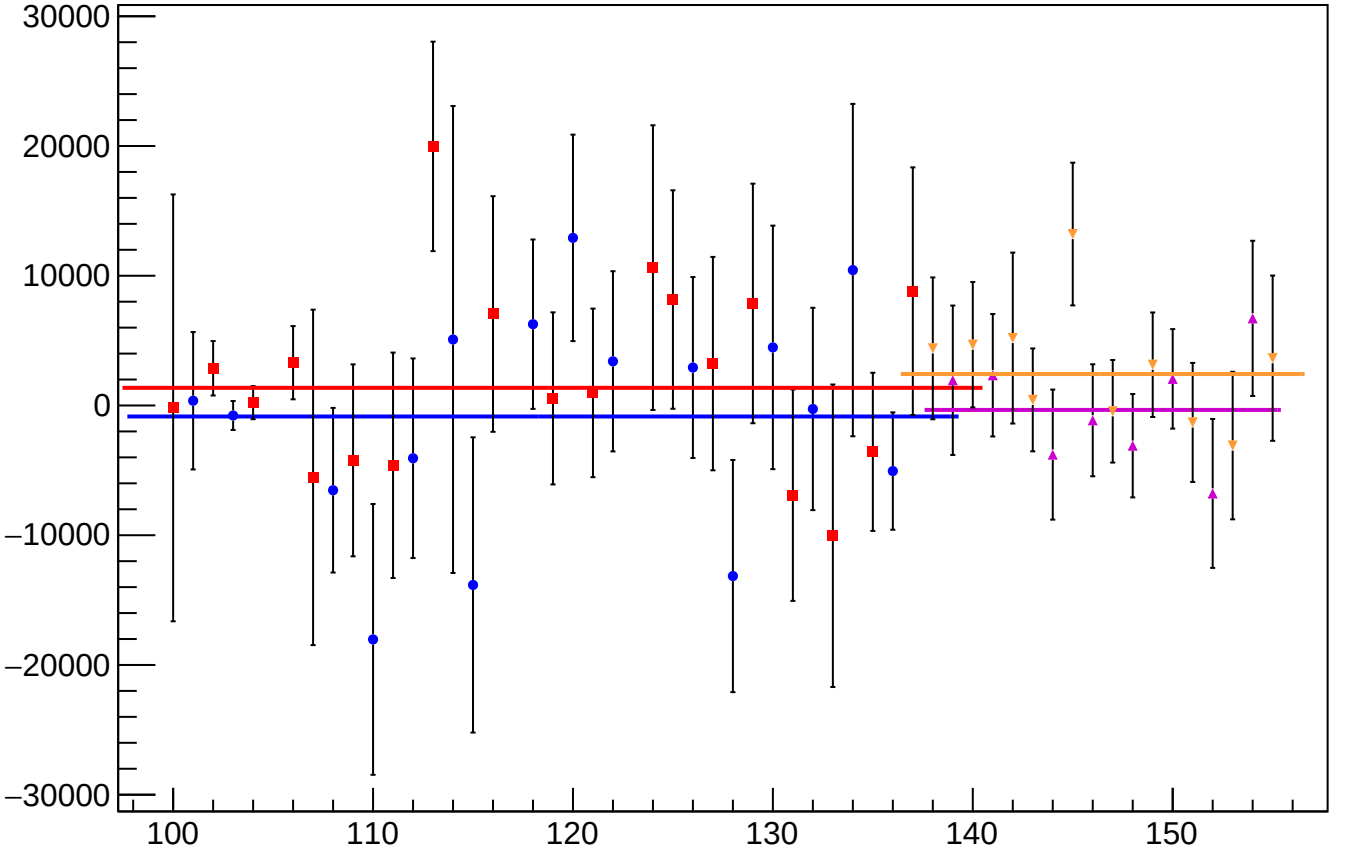
Left In: 1731.087+/-0.462 χ^2/NDF:14457.4/7

+ sign 1800.109+/-0.329 χ^2/NDF: 327930.7/25

All: 1802.582+/-0.236 χ^2/NDF: 762196.1/52

- sign 1805.201+/-0.339 χ^2/NDF: 434149.4/26

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 2423.130+/-1534.550 χ^2/NDF:6.8/9

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

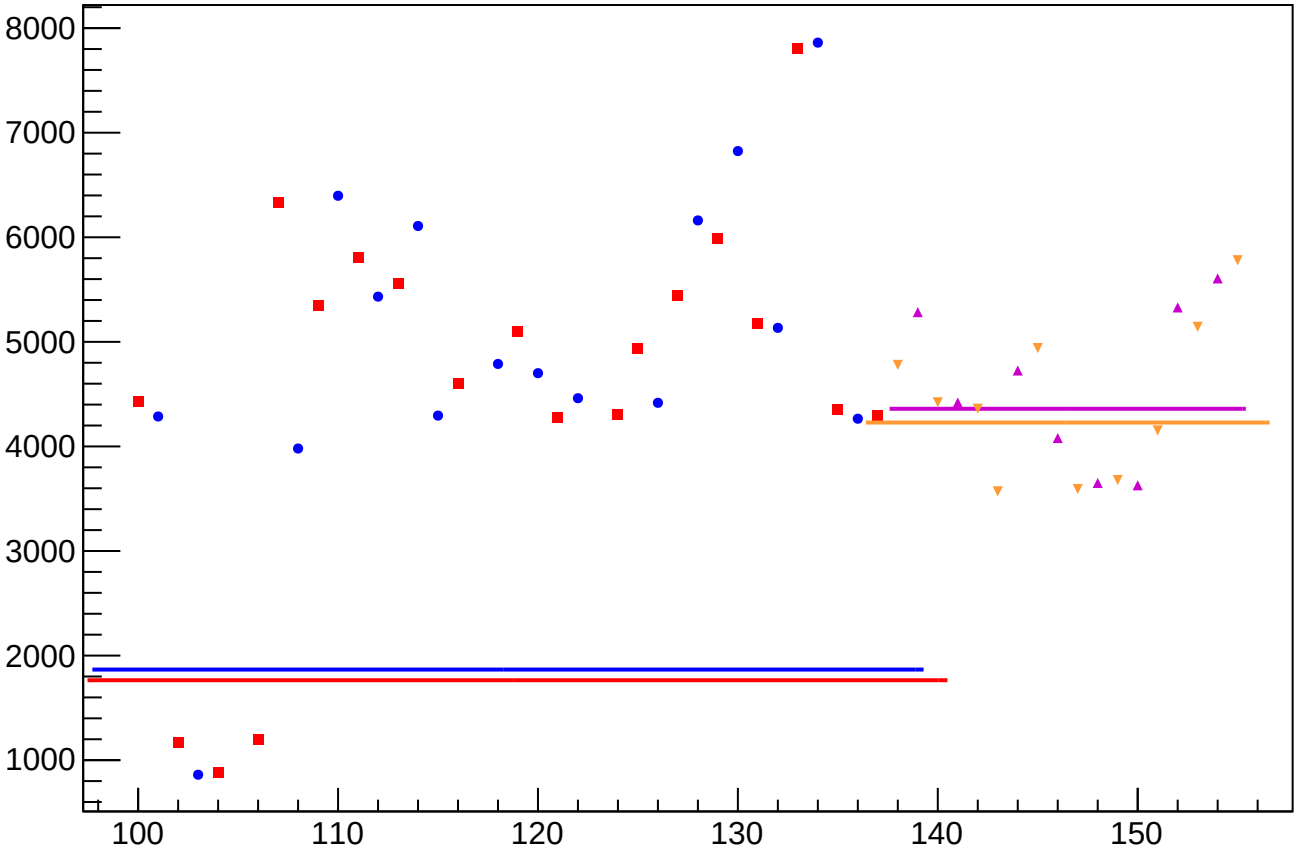
Left In: -341.370+/-1671.675 χ^2/NDF:4.5/7

\+ sign 76.144+/-815.639 χ^2/NDF: 24.0/25

All: 529.067+/-572.316 χ^2/NDF: 43.9/52

\- sign 968.342+/-803.256 χ^2/NDF: 19.3/26

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4228.341+/-1.085 χ^2/NDF:373112.3/9

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

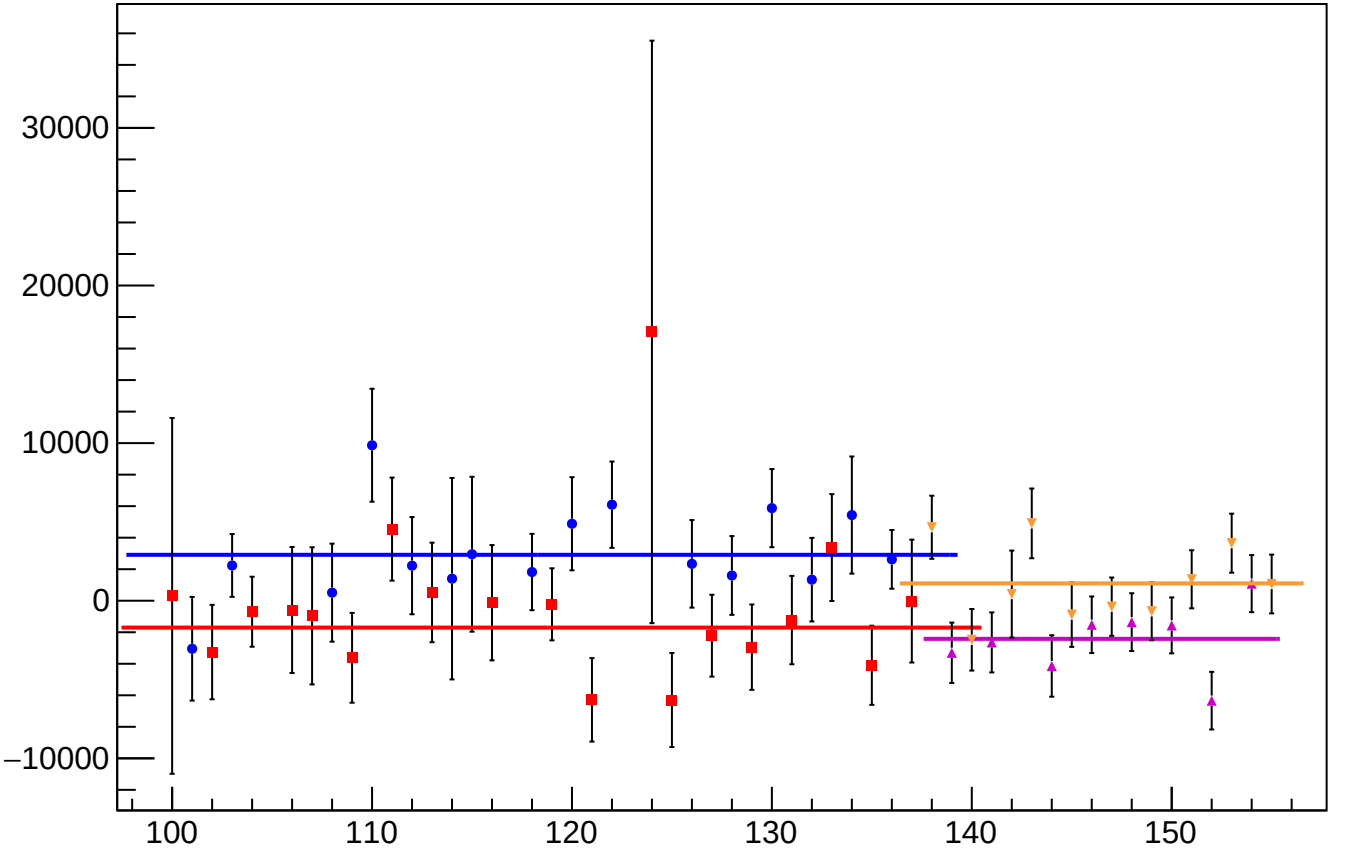
Left In: 4359.976+/-1.182 χ^2/NDF:351056.2/7

+ sign 2533.675+/-0.577 χ^2/NDF: 10622288.6/25

All: 2447.337+/-0.405 χ^2/NDF: 21161001.9/5

- sign 2363.601+/-0.568 χ^2/NDF: 10494568.8/26

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1102.671+/-627.364 χ^2/NDF:13.9/9

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

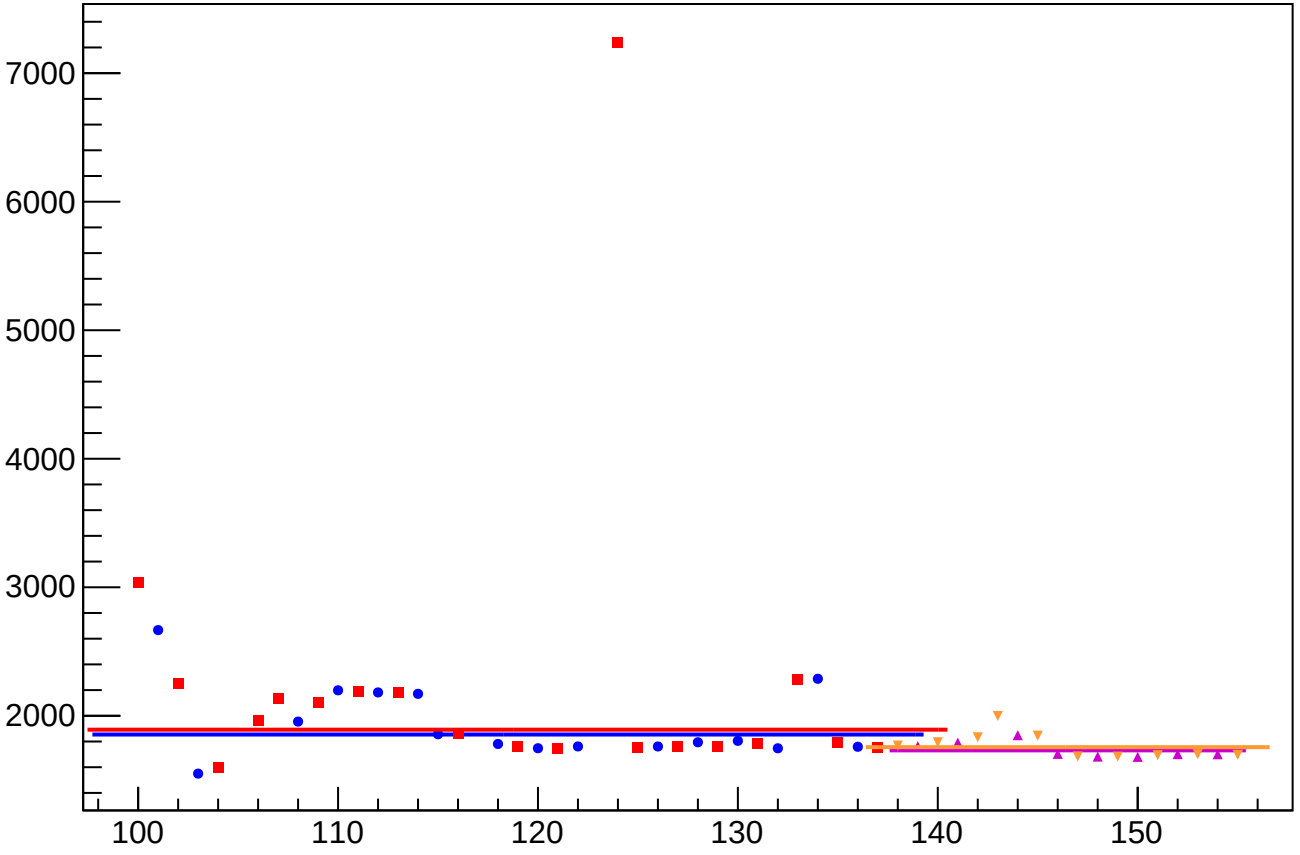
Left In: -2418.288+/-653.647 χ^2/NDF:10.2/7

\+ sign 1915.444+/-465.713 χ^2/NDF: 30.1/25

All: -26.601+/-334.214 χ^2/NDF: 92.5/52

\- sign -2088.813+/-479.905 χ^2/NDF: 26.5/26

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1755.950+/-0.444 χ^2/NDF:42535.6/9

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

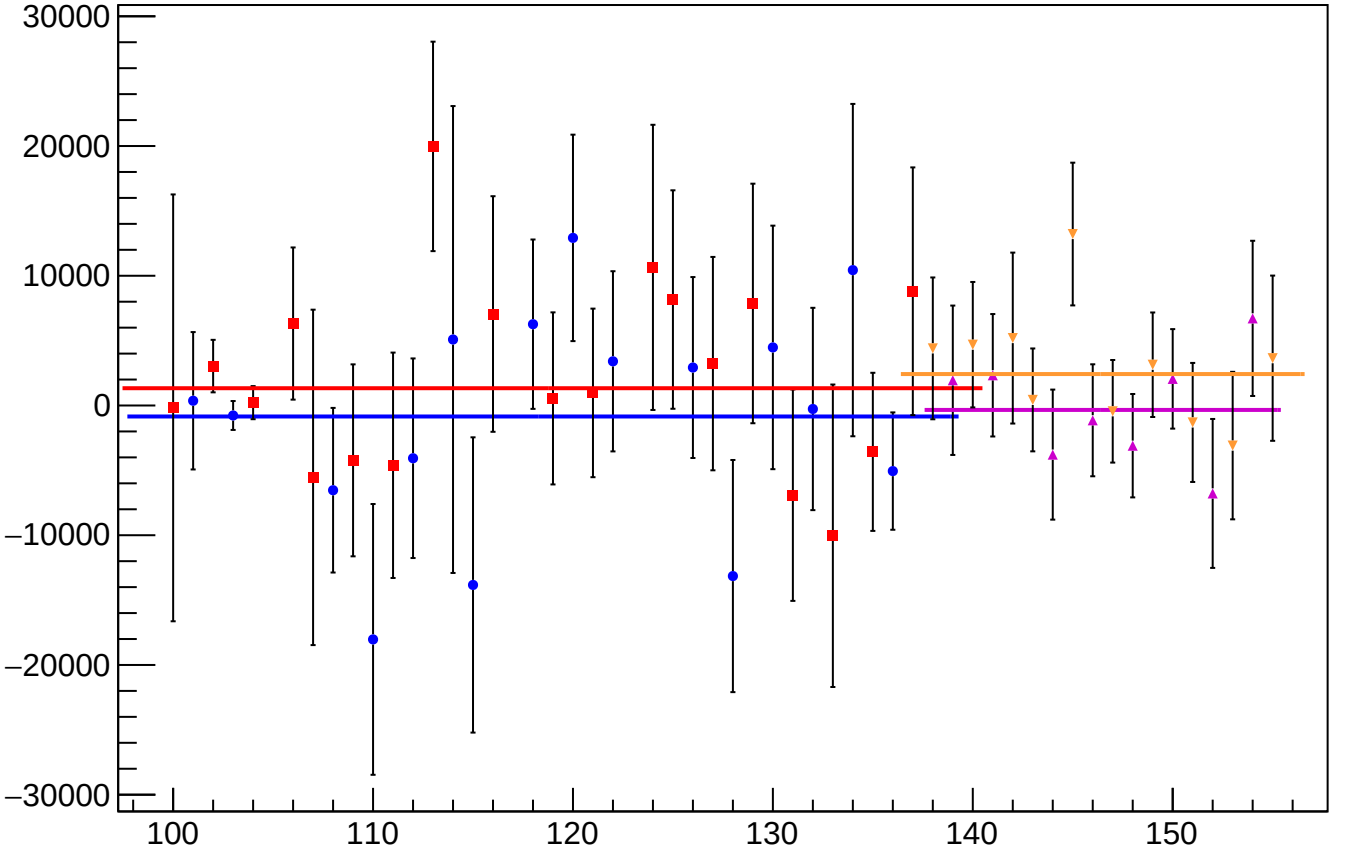
Left In: 1731.087+/-0.462 χ^2/NDF:14457.4/7

+ sign 1800.110+/-0.329 χ^2/NDF: 327930.6/25

All: 1802.676+/-0.236 χ^2/NDF: 762751.4/52

- sign 1805.395+/-0.339 χ^2/NDF: 434695.7/26

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2423.033+/-1534.548 χ^2/NDF:6.8/9

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

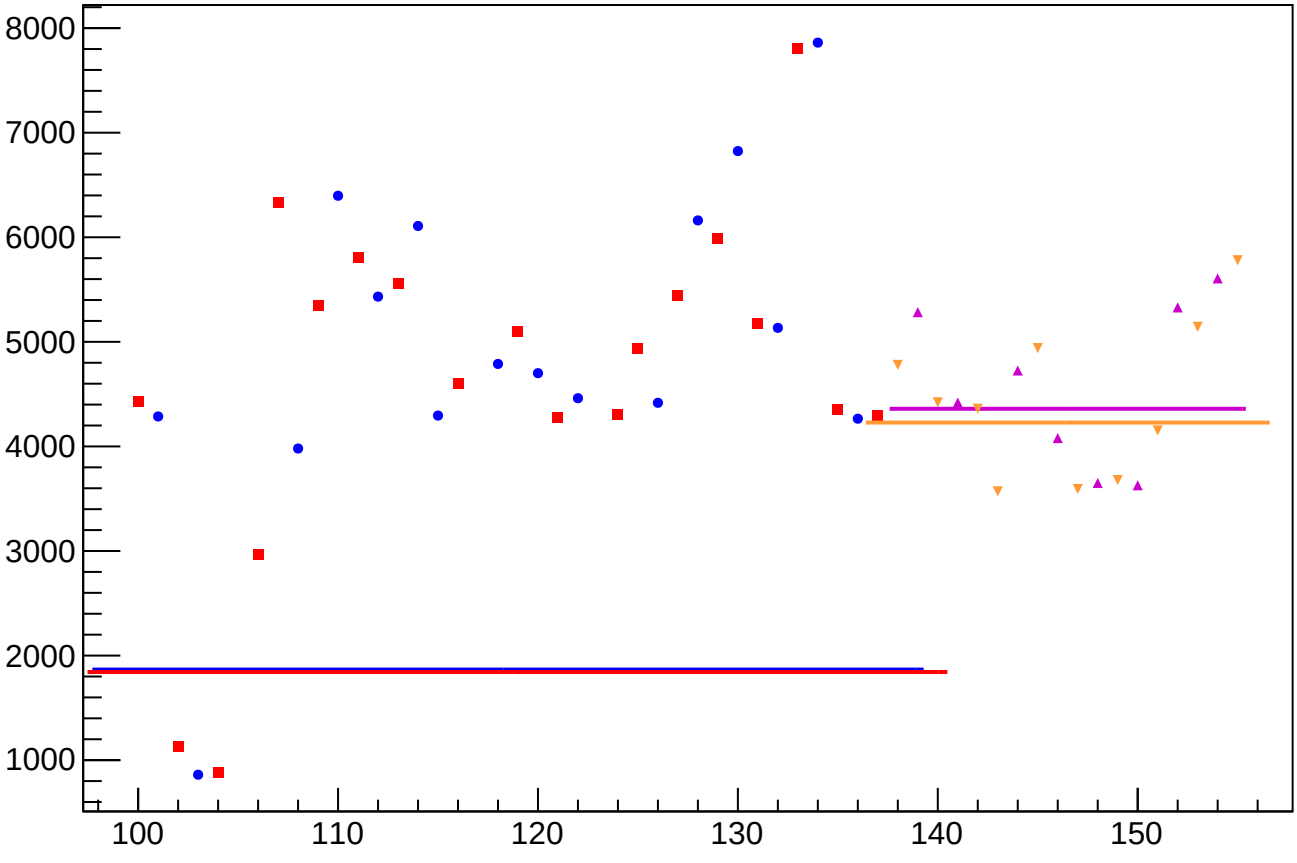
Left In: -341.525+/-1671.674 χ^2/NDF:4.5/7

+ sign 76.384+/-815.606 χ^2/NDF: 24.0/25

All: 495.564+/-579.922 χ^2/NDF: 44.2/52

- sign 924.182+/-824.736 χ^2/NDF: 19.7/26

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4228.334+/-1.085 χ^2/NDF:373120.2/9

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

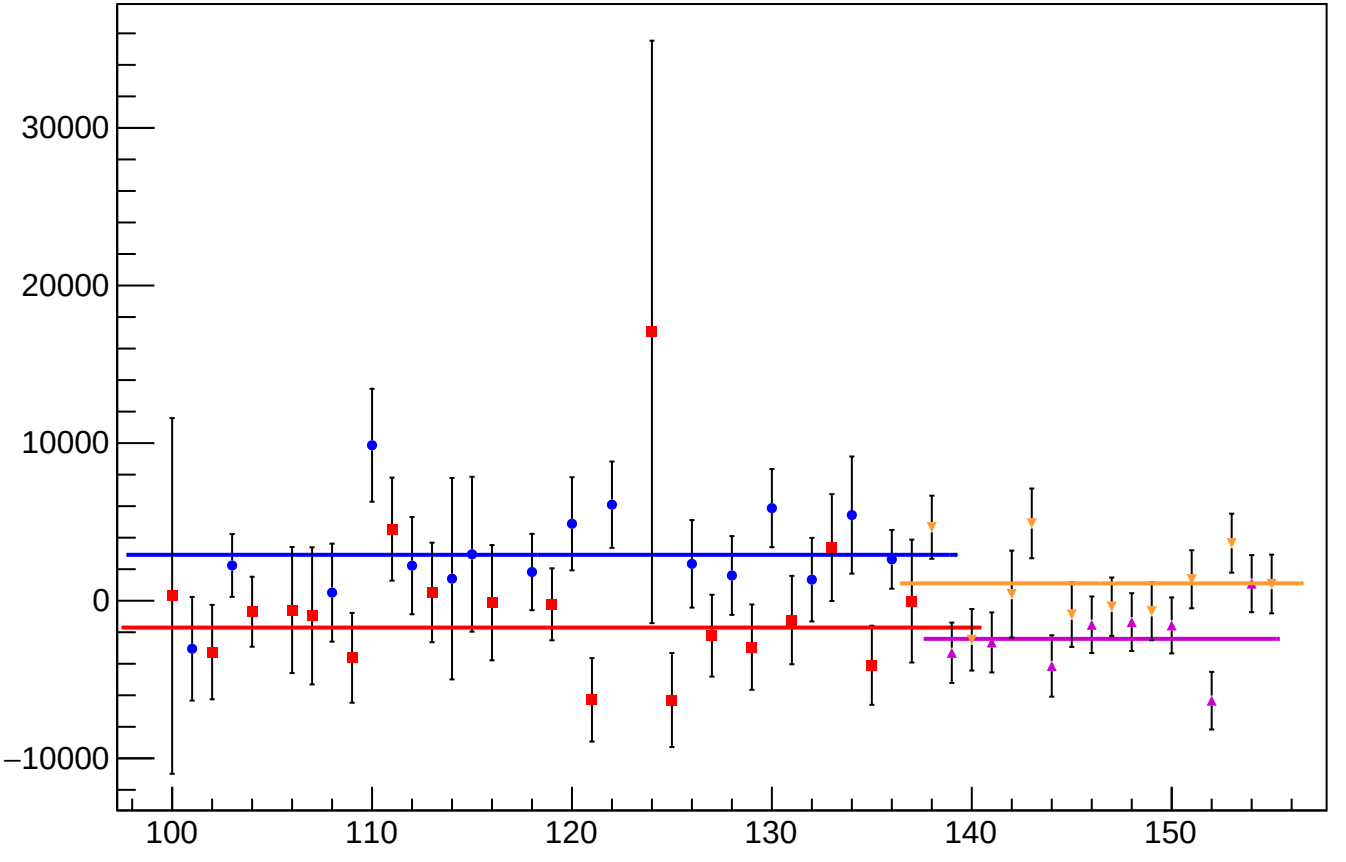
Left In: 4359.973+/-1.182 χ^2/NDF:351061.5/7

+ sign 2533.512+/-0.577 χ^2/NDF: 10623255.6/25

All: 2494.965+/-0.410 χ^2/NDF: 20872557.2/5

- sign 2455.551+/-0.583 χ^2/NDF: 10240266.6/26

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1102.671+/-627.364 χ^2/NDF:13.9/9

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

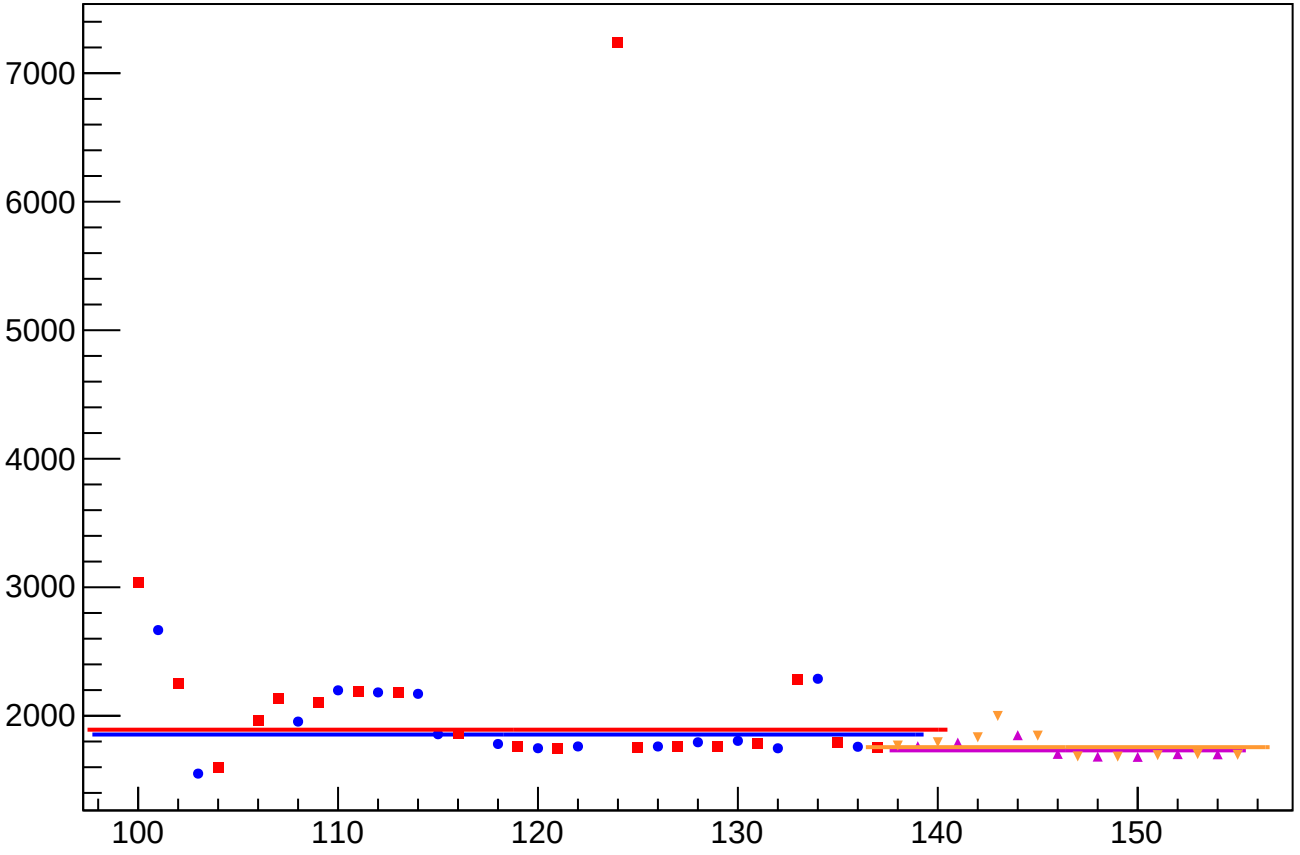
Left In: -2418.288+/-653.647 χ^2/NDF:10.2/7

+ sign 1915.444+/-465.713 χ^2/NDF: 30.1/25

All: -26.601+/-334.214 χ^2/NDF: 92.5/52

- sign -2088.813+/-479.905 χ^2/NDF: 26.5/26

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1755.950+/-0.444 χ^2/NDF:42535.6/9

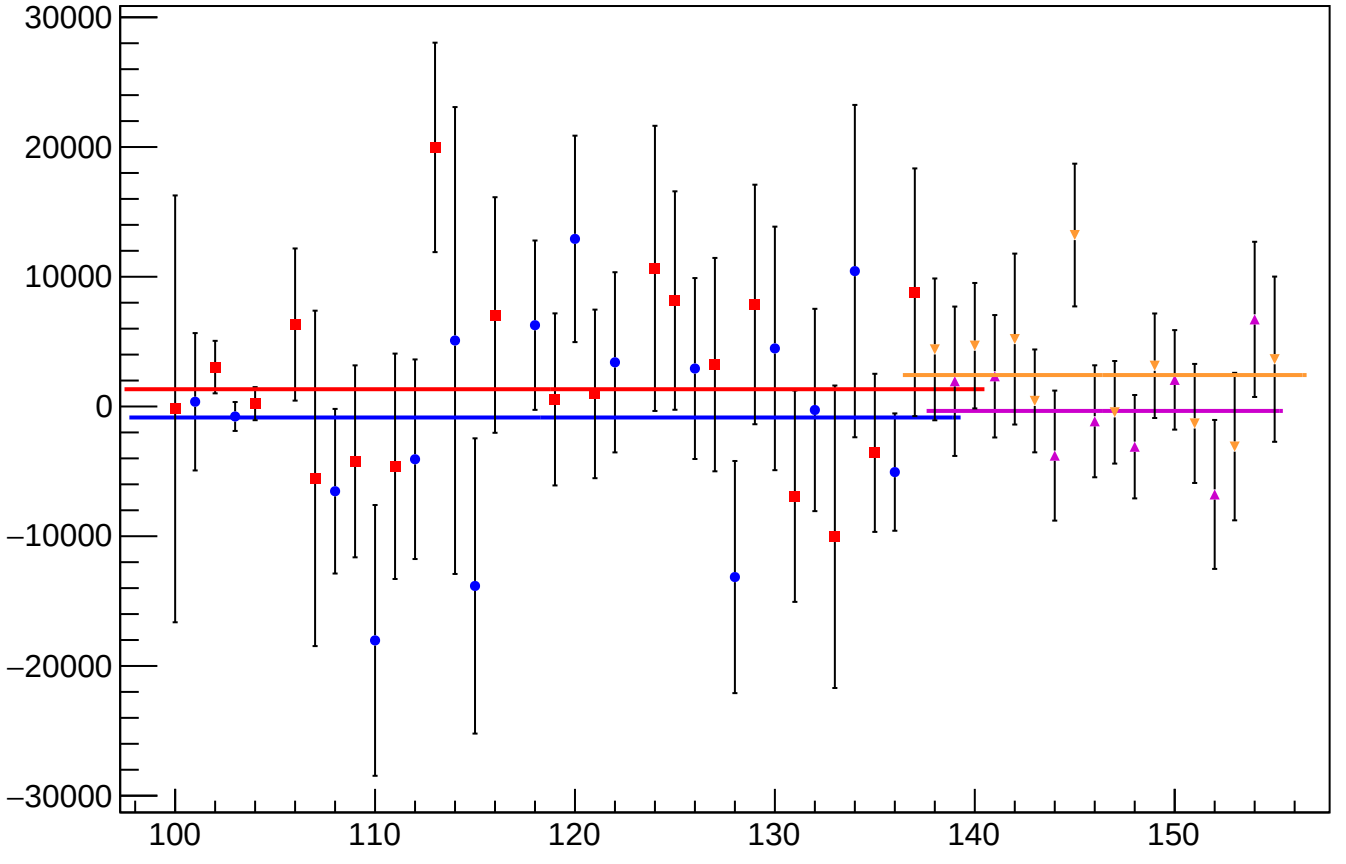
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1731.087+/-0.462 χ^2/NDF:14457.4/7

+ sign 1800.110+/-0.329 χ^2/NDF: 327930.6/25

All: 1802.676+/-0.236 χ^2/NDF: 762751.4/52

- sign 1805.395+/-0.339 χ^2/NDF: 434695.7/26



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2423.033+/-1534.548 χ^2/NDF:6.8/9

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

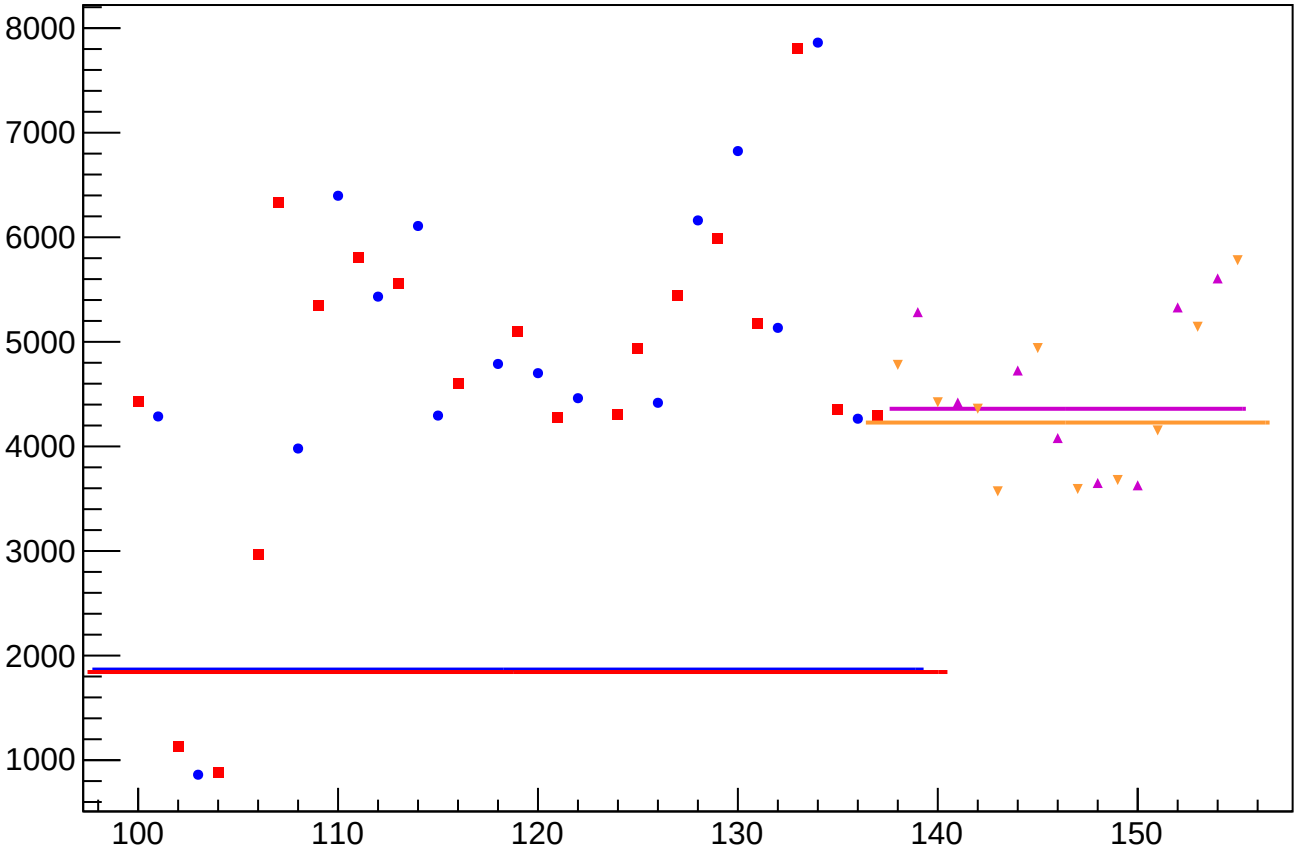
Left In: -341.525+/-1671.674 χ^2/NDF:4.5/7

+ sign 76.384+/-815.606 χ^2/NDF: 24.0/25

All: 495.564+/-579.922 χ^2/NDF: 44.2/52

- sign 924.182+/-824.736 χ^2/NDF: 19.7/26

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4228.334+/-1.085 χ^2/NDF:373120.2/9

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

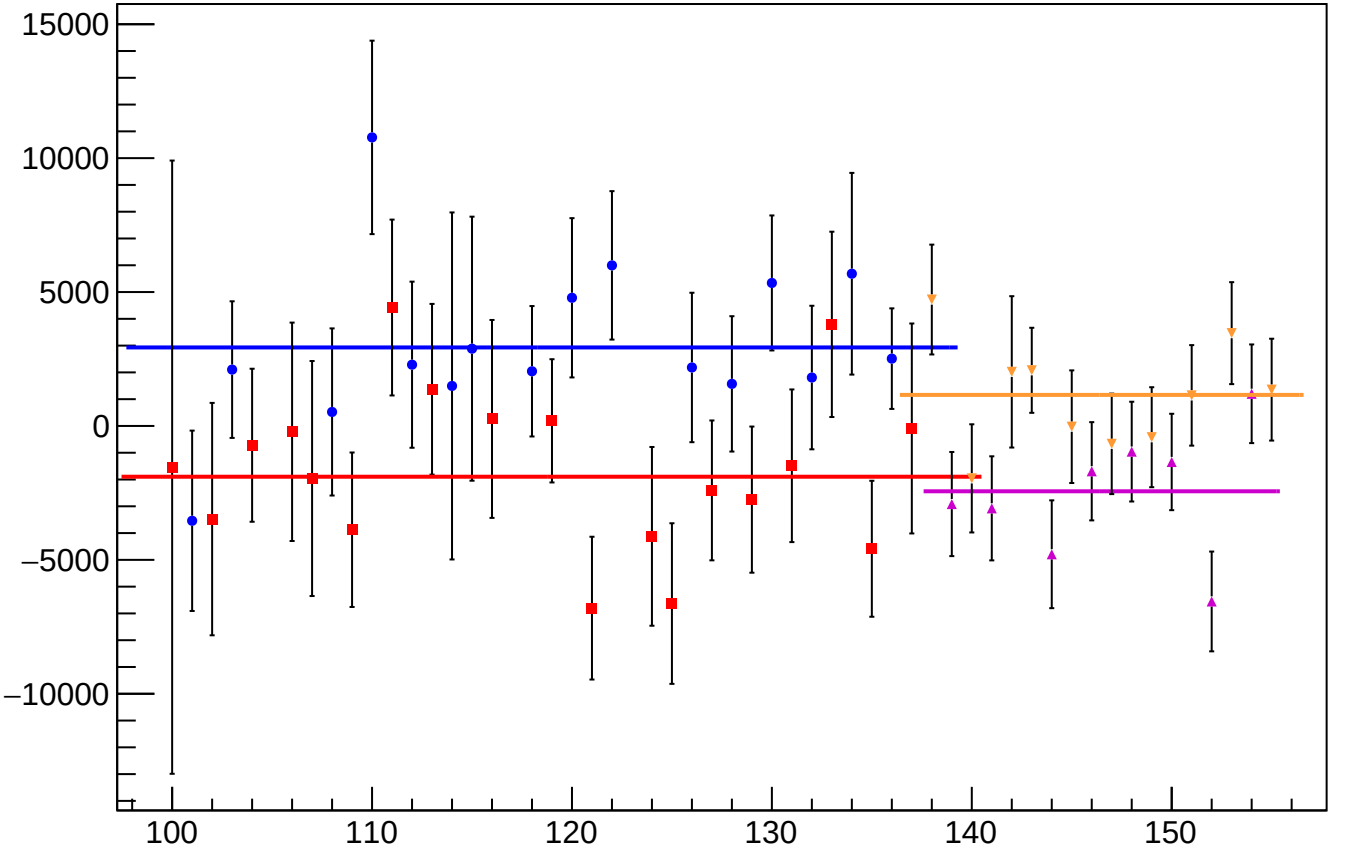
Left In: 4359.973+/-1.182 χ^2/NDF:351061.5/7

+ sign 2533.512+/-0.577 χ^2/NDF: 10623255.6/25

All: 2494.965+/-0.410 χ^2/NDF: 20872557.2/5

- sign 2455.551+/-0.583 χ^2/NDF: 10240266.6/26

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1159.174+/-615.639 χ^2/NDF:9.3/9

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

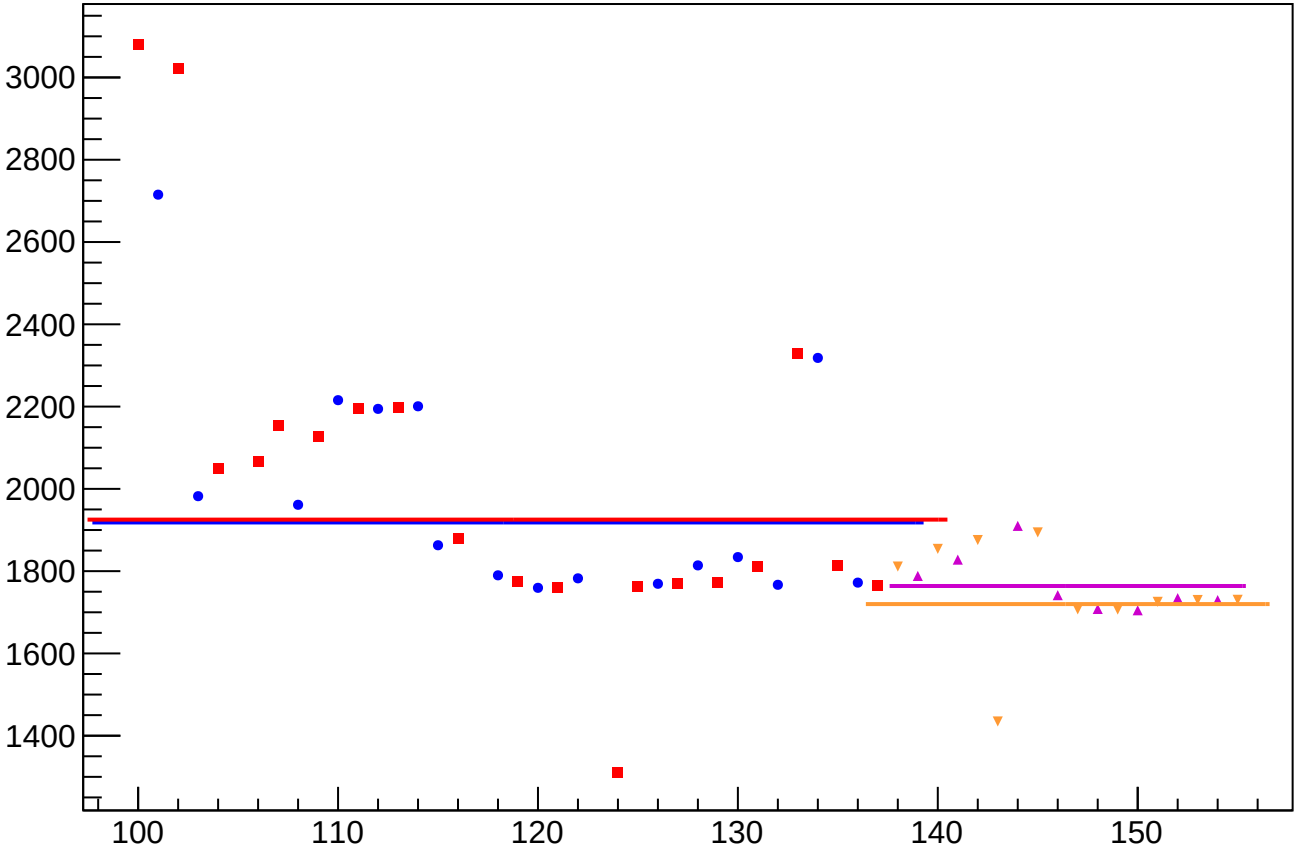
Left In: -2439.355+/-666.168 χ^2/NDF:11.5/7

+ sign 1909.814+/-467.444 χ^2/NDF: 25.8/25

All: -44.928+/-338.090 χ^2/NDF: 91.6/52

- sign -2189.250+/-489.587 χ^2/NDF: 29.2/26

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1719.959+/-0.435 χ^2/NDF:97506.1/9

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

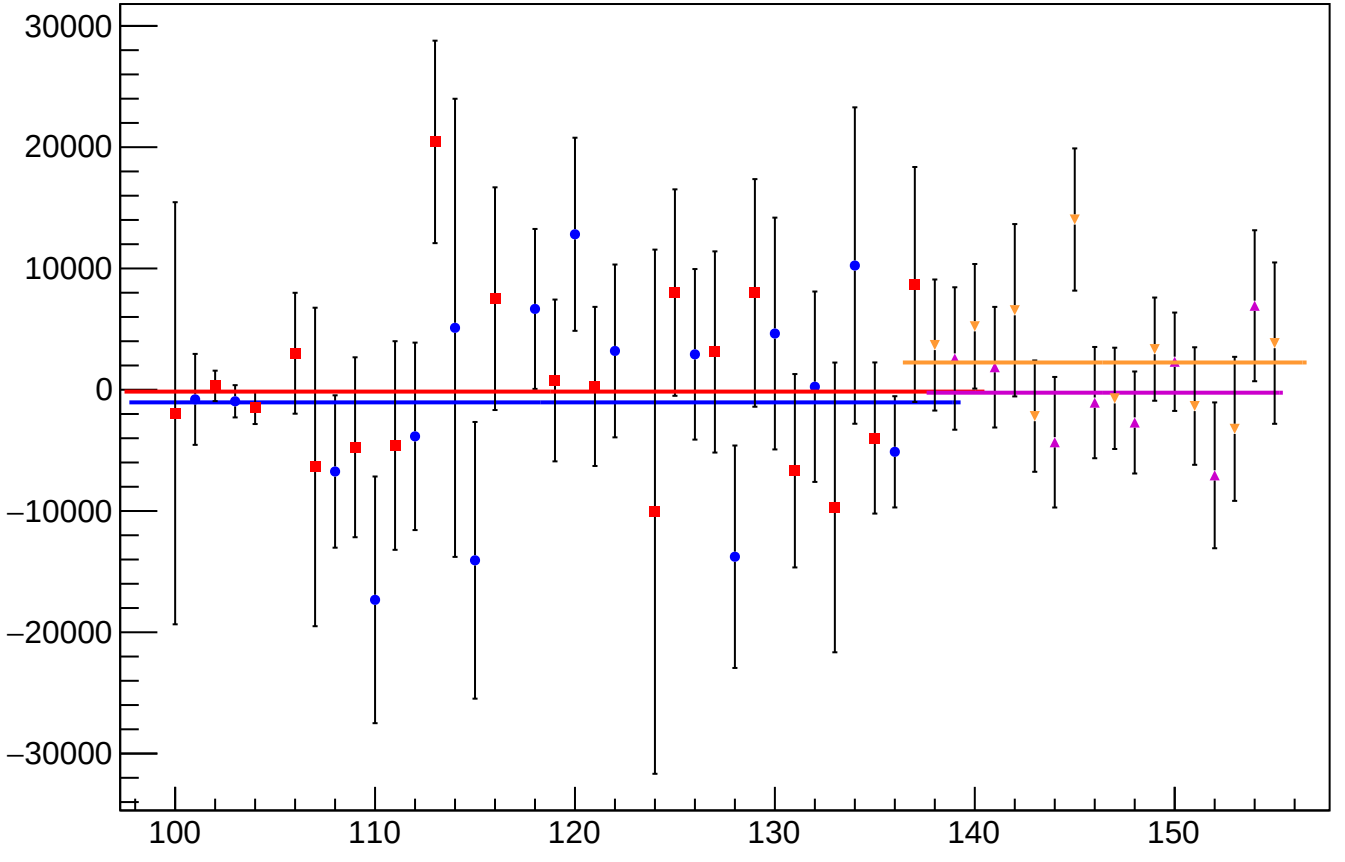
Left In: 1763.918+/-0.471 χ^2/NDF:18469.8/7

+ sign 1803.983+/-0.331 χ^2/NDF: 401069.5/25

All: 1820.298+/-0.239 χ^2/NDF: 817740.2/52

- sign 1838.181+/-0.346 χ^2/NDF: 411563.9/26

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2246.530+/-1633.924 χ^2/NDF:7.8/9

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

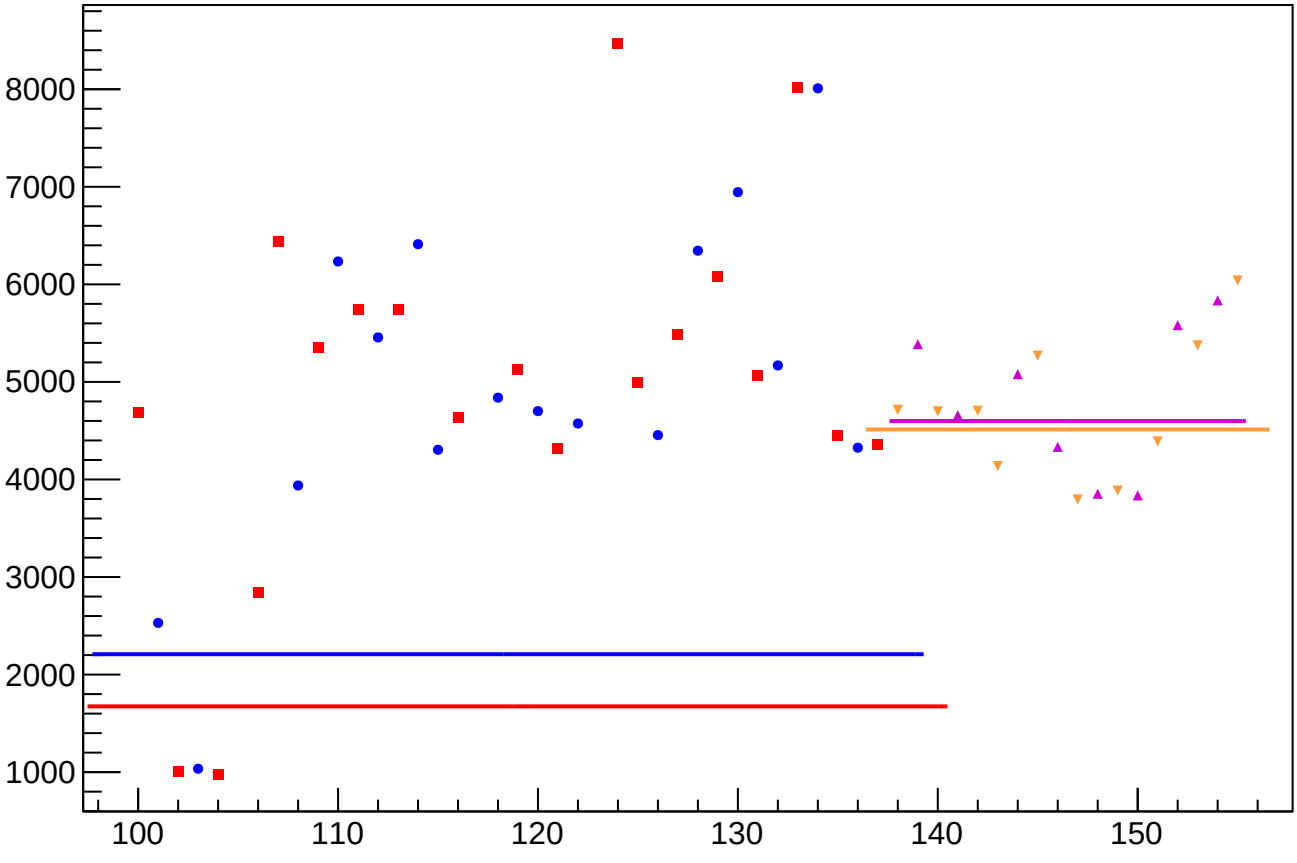
Left In: -244.418+/-1761.684 χ^2/NDF:4.4/7

+ sign -51.824+/-896.547 χ^2/NDF: 24.4/25

All: -121.139+/-577.512 χ^2/NDF: 42.6/52

- sign -170.297+/-755.019 χ^2/NDF: 18.1/26

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4512.275+/-1.155 χ^2/NDF:304705.3/9

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

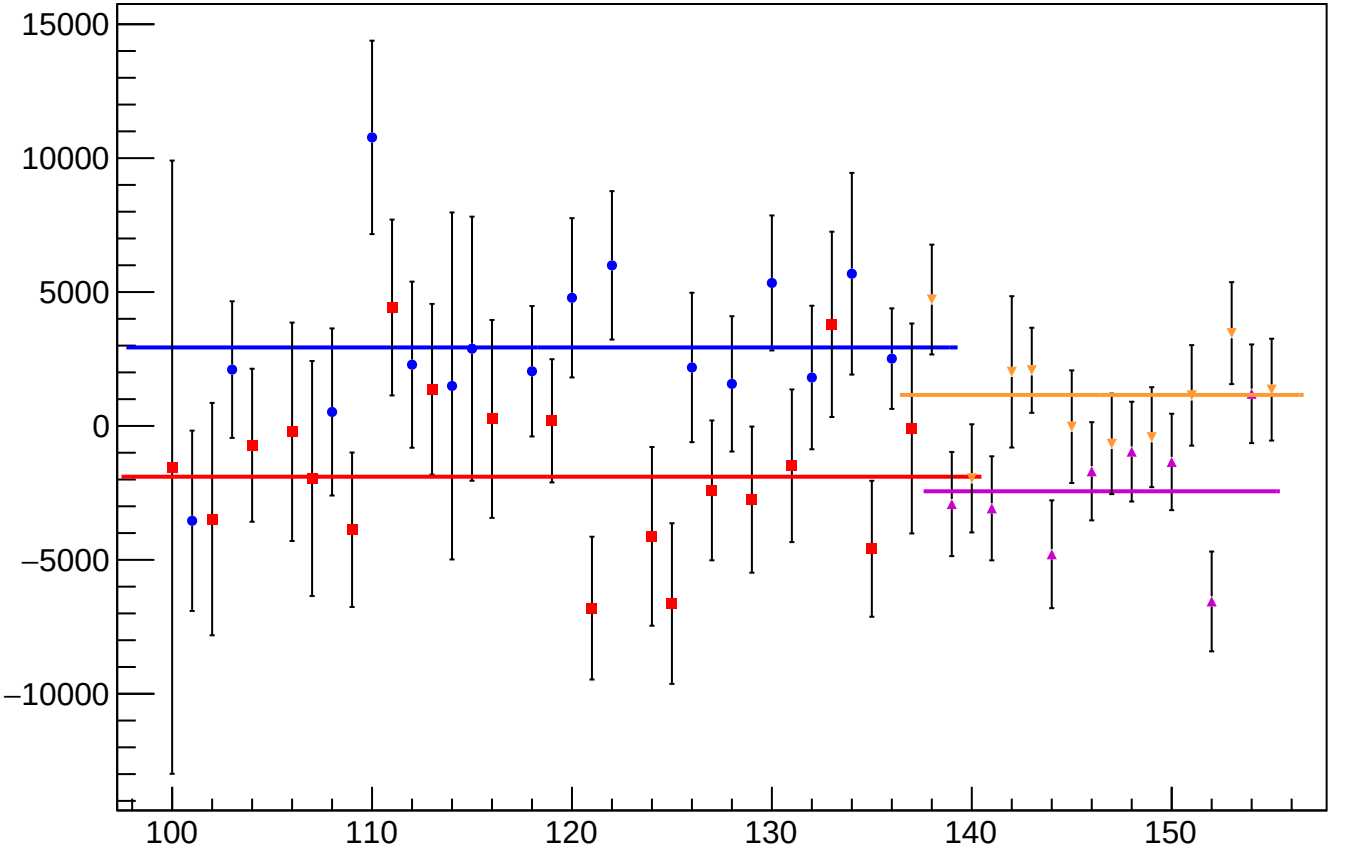
Left In: 4598.983+/-1.246 χ^2/NDF:324767.6/7

+ sign 2902.409+/-0.634 χ^2/NDF: 8581628.6/25

All: 2498.116+/-0.408 χ^2/NDF: 20954965.8/5

- sign 2211.390+/-0.534 χ^2/NDF: 11678199.9/26

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1159.169+/-615.639 χ^2/NDF:9.3/9

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

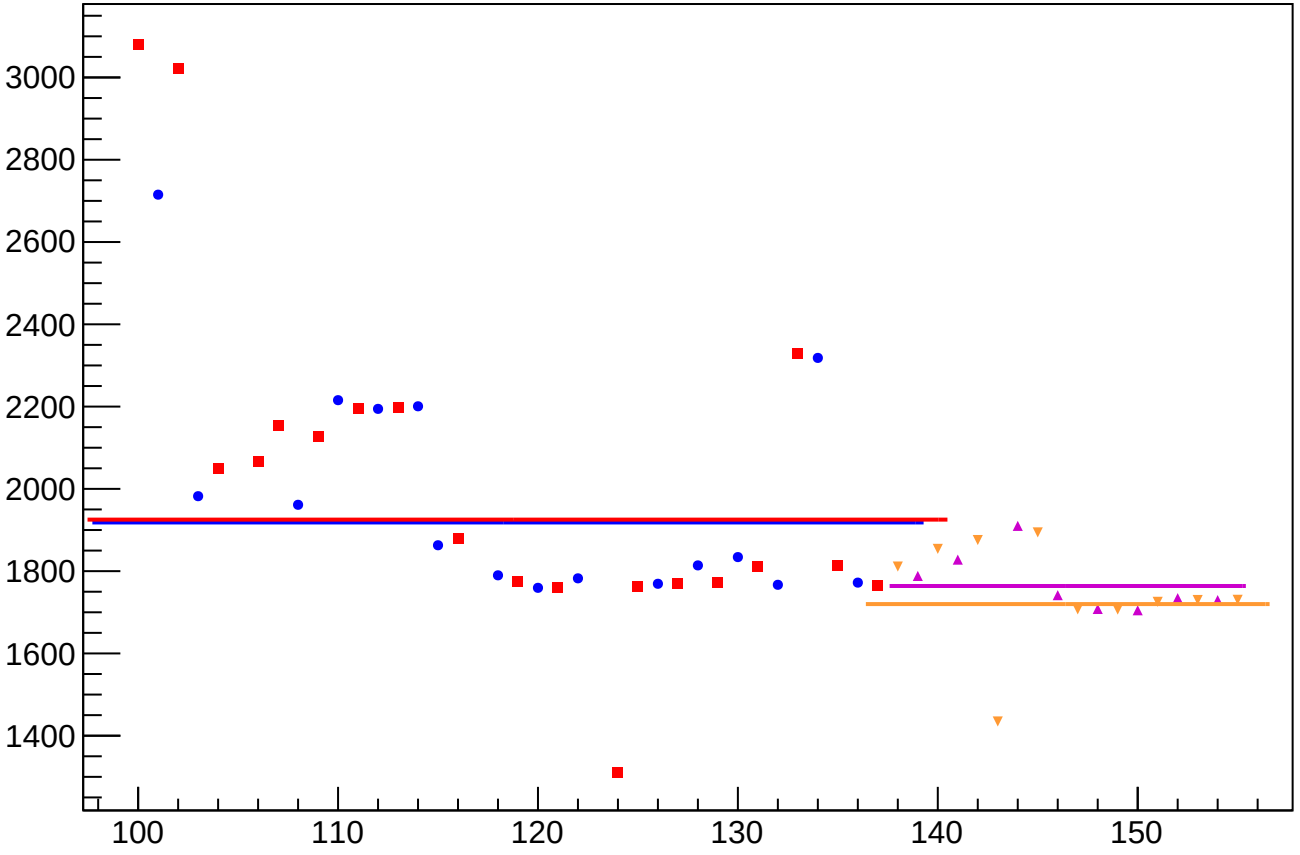
Left In: -2439.352+/-666.168 χ^2/NDF:11.5/7

+ sign 1909.813+/-467.444 χ^2/NDF: 25.8/25

All: -44.929+/-338.090 χ^2/NDF: 91.6/52

- sign -2189.250+/-489.587 χ^2/NDF: 29.2/26

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1719.960+/-0.435 χ^2/NDF:97505.2/9

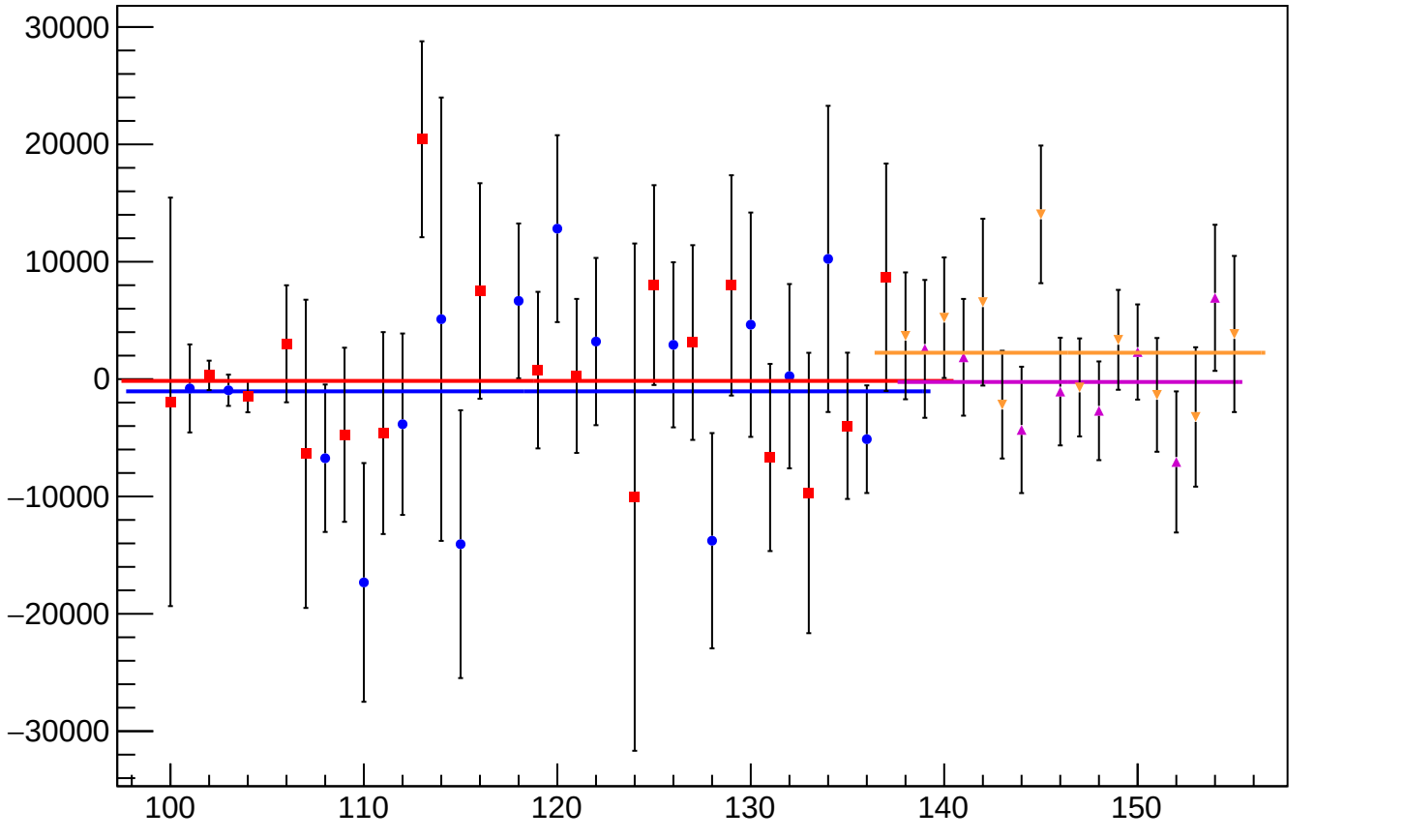
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1763.919+/-0.471 χ^2/NDF:18469.8/7

+ sign 1803.983+/-0.331 χ^2/NDF: 401067.2/25

All: 1820.298+/-0.239 χ^2/NDF: 817736.0/52

- sign 1838.181+/-0.346 χ^2/NDF: 411562.0/26



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2246.529+/-1633.926 χ^2/NDF:7.8/9

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

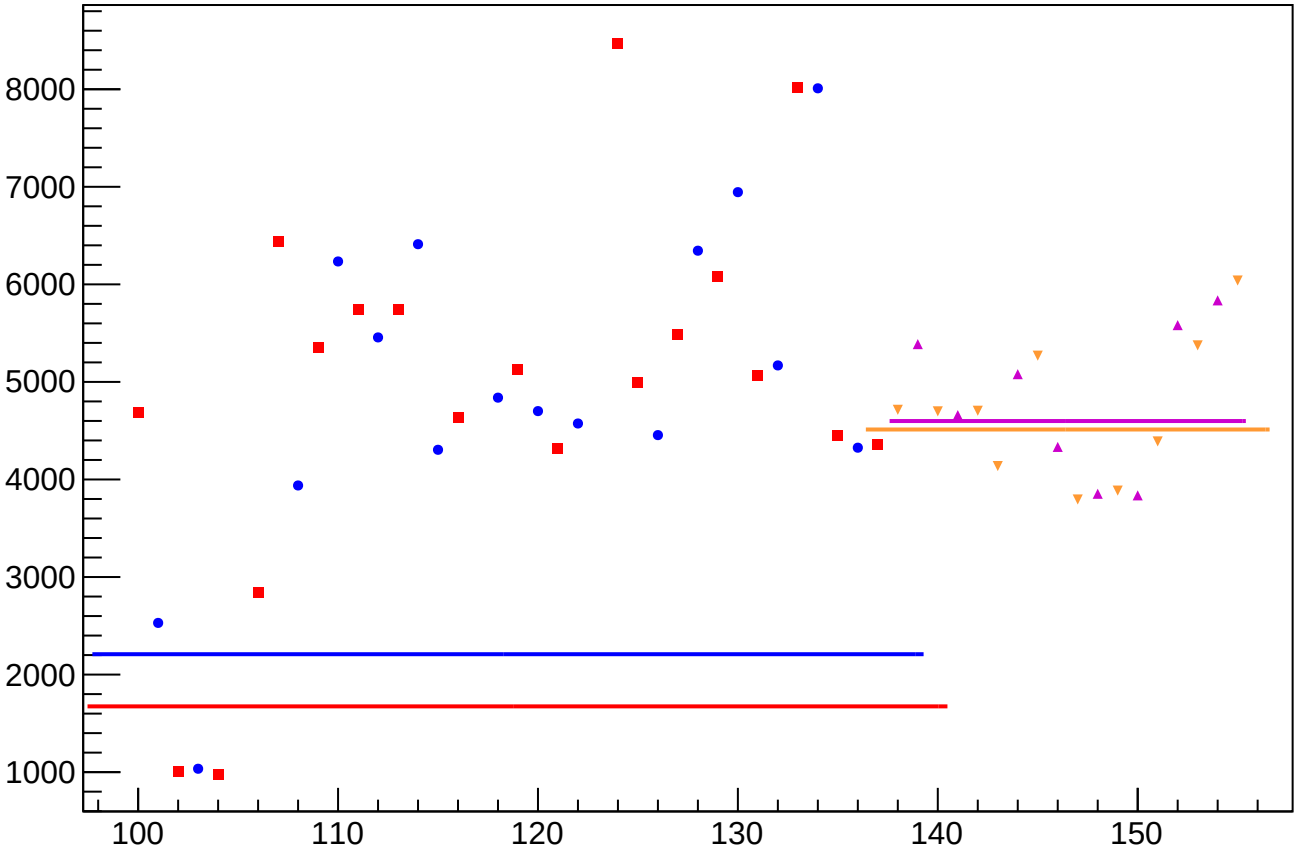
Left In: -244.415+/-1761.686 χ^2/NDF:4.4/7

+ sign -51.826+/-896.547 χ^2/NDF: 24.4/25

All: -121.137+/-577.512 χ^2/NDF: 42.6/52

- sign -170.292+/-755.019 χ^2/NDF: 18.1/26

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4512.281+/-1.155 χ^2/NDF:304703.9/9

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

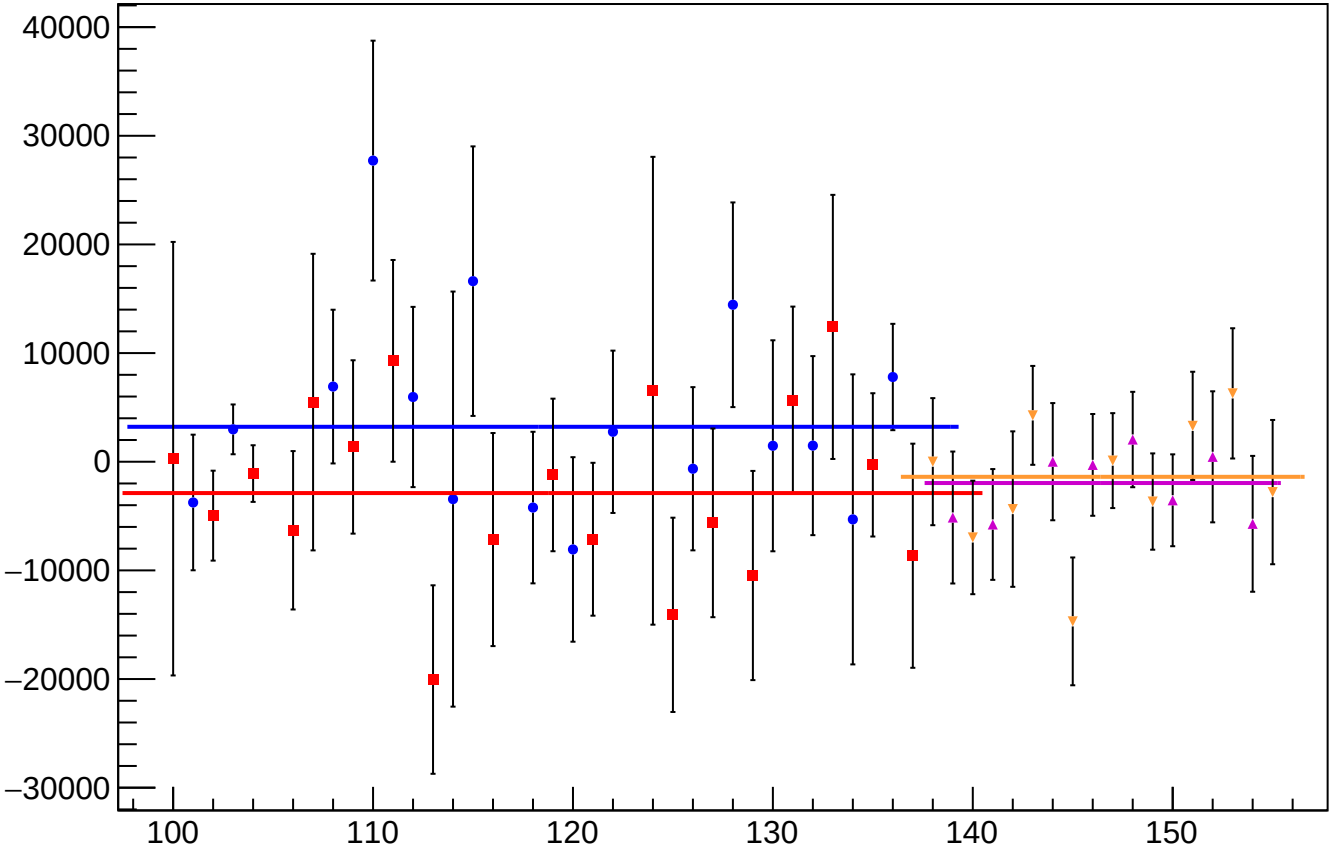
Left In: 4598.990+/-1.246 χ^2/NDF:324765.6/7

+ sign 2902.408+/-0.634 χ^2/NDF: 8581633.5/25

All: 2498.115+/-0.408 χ^2/NDF: 20954972.6/5

- sign 2211.390+/-0.534 χ^2/NDF: 11678201.4/26

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1388.156+/-1674.194 χ^2/NDF:11.0/9

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

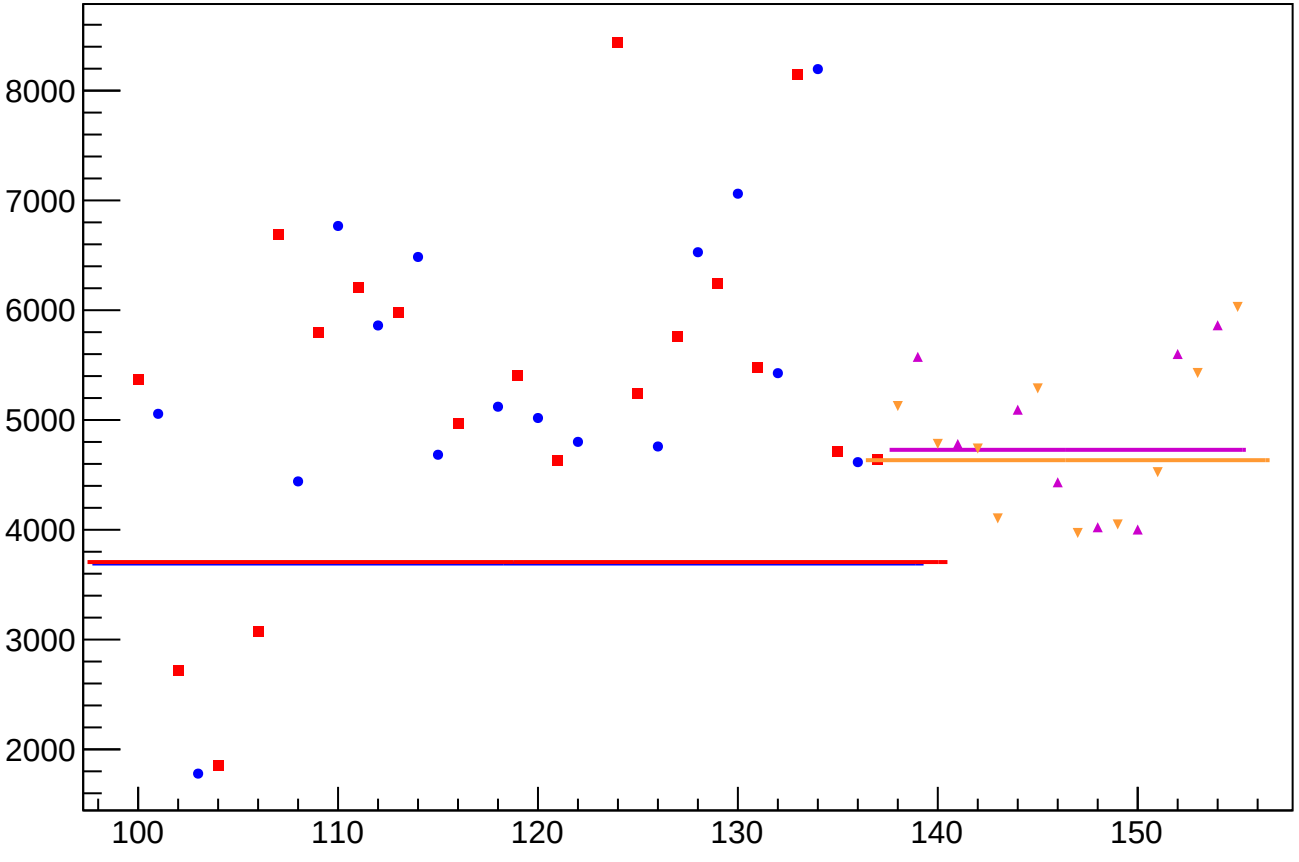
Left In: -1959.385+/-1806.455 χ^2/NDF:2.6/7

+ sign 1106.743+/-1133.126 χ^2/NDF: 28.9/25

All: -623.422+/-816.396 χ^2/NDF: 49.9/52

- sign -2490.973+/-1177.255 χ^2/NDF: 16.1/26

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4634.011+/-1.184 χ^2/NDF:273558.0/9

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

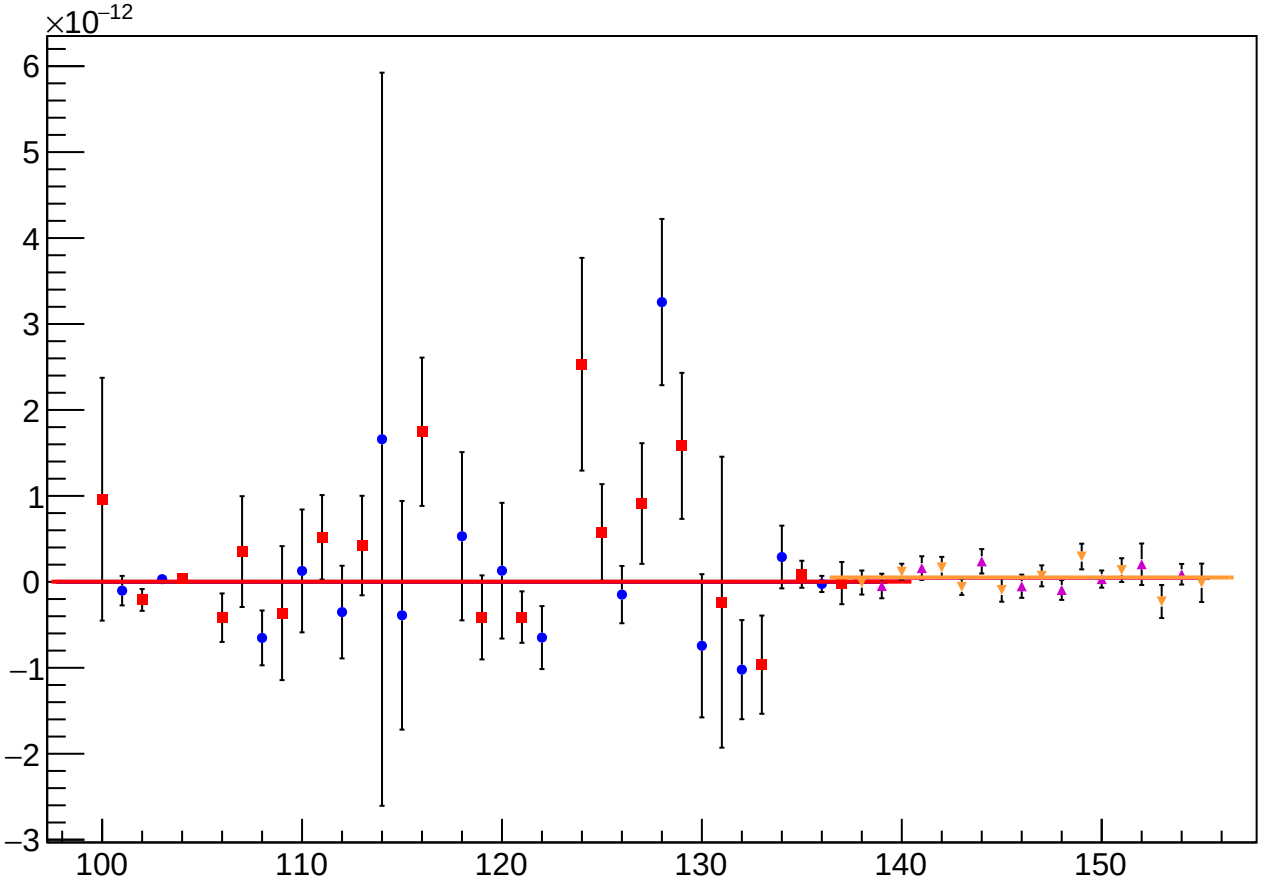
Left In: 4728.283+/-1.277 χ^2/NDF:274529.4/7

+ sign 4123.962+/-0.801 χ^2/NDF: 3501755.4/25

All: 4129.405+/-0.576 χ^2/NDF: 6832460.1/52

- sign 4135.212+/-0.828 χ^2/NDF: 3330609.4/26

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:9.4/9

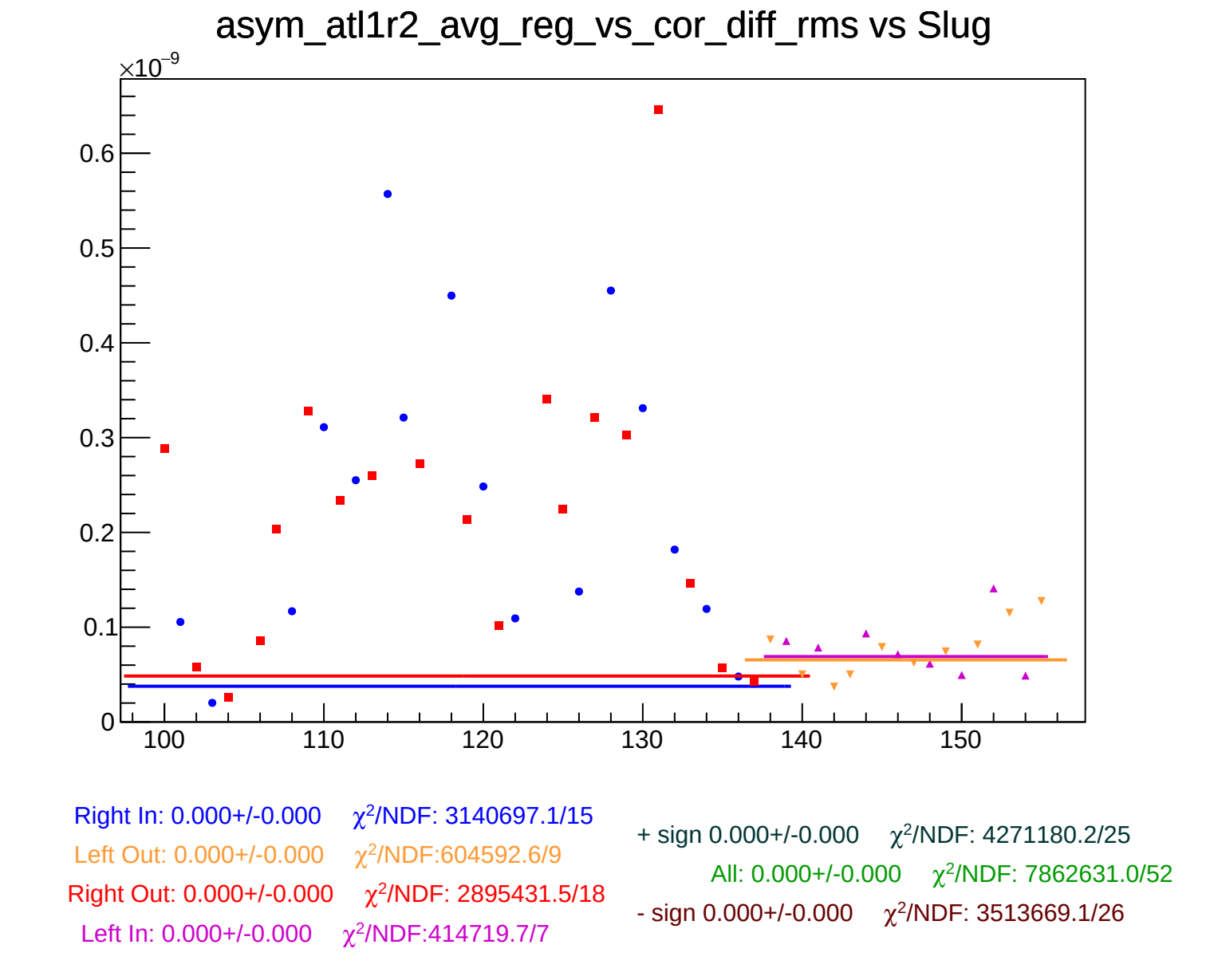
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/7

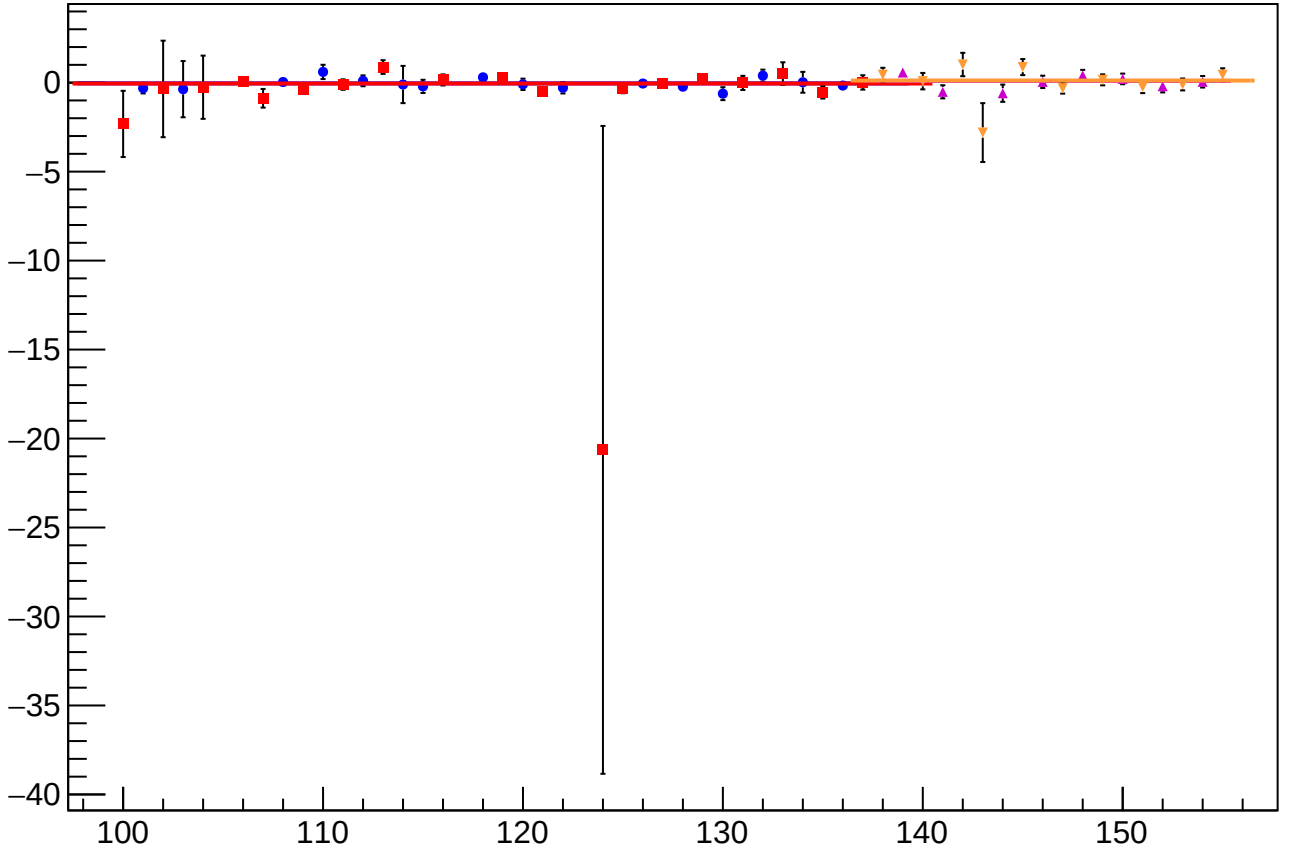
+ sign 0.000+/-0.000 χ^2/NDF: 35.6/25

All: 0.000+/-0.000 χ^2/NDF: 69.9/52

- sign 0.000+/-0.000 χ^2/NDF: 34.2/26


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
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:604592.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:414719.7/7
+ sign 0.000+/-0.000 χ²/NDF: 4271180.2/25
All: 0.000+/-0.000 χ²/NDF: 7862631.0/52
- sign 0.000+/-0.000 χ²/NDF: 3513669.1/26

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.118+/-0.124 χ^2/NDF:12.8/9

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

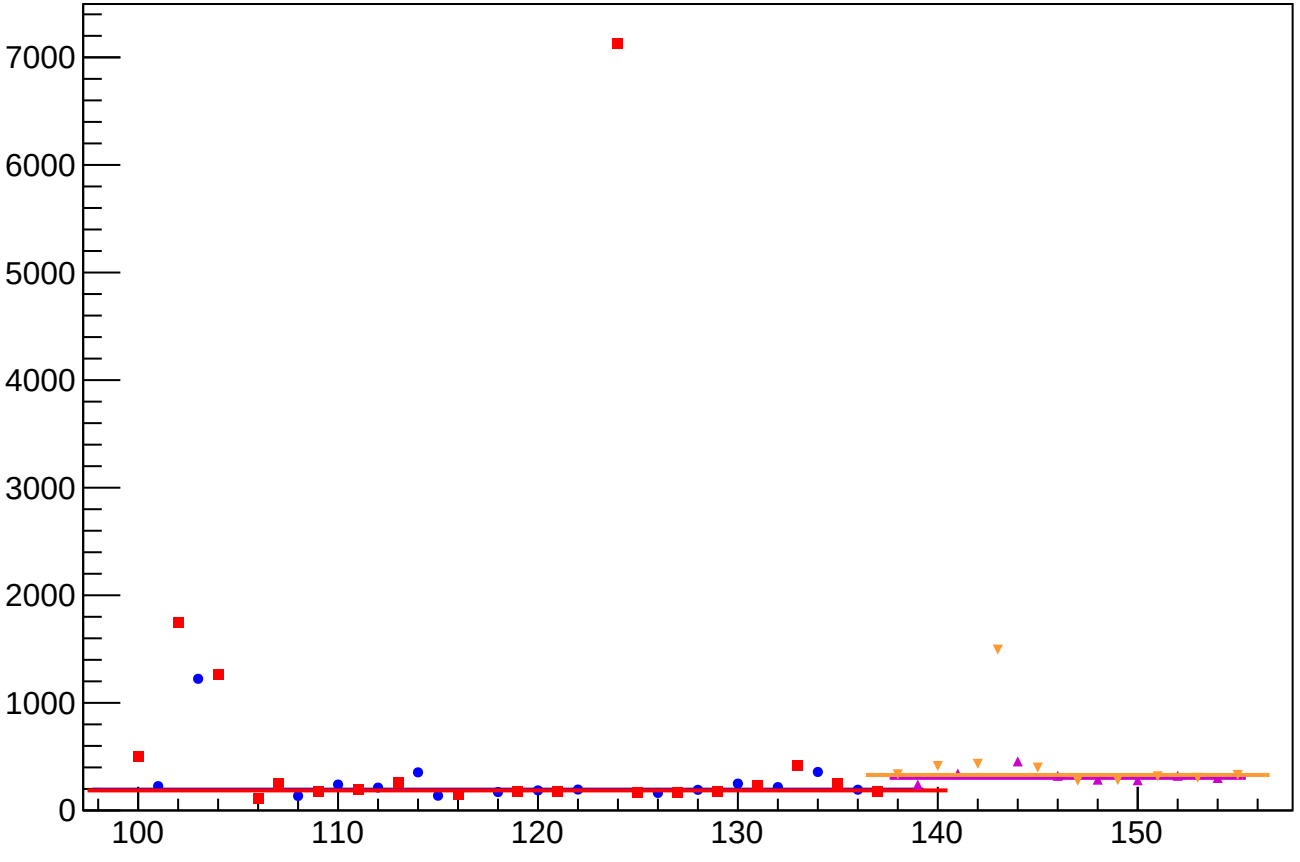
Left In: 0.097+/-0.117 χ^2/NDF:9.7/7

+ sign 0.004+/-0.066 χ^2/NDF: 25.7/25

All: -0.000+/-0.046 χ^2/NDF: 59.5/52

- sign -0.004+/-0.065 χ^2/NDF: 33.8/26

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 329.781+/-0.088 χ^2/NDF:1277691.5/9

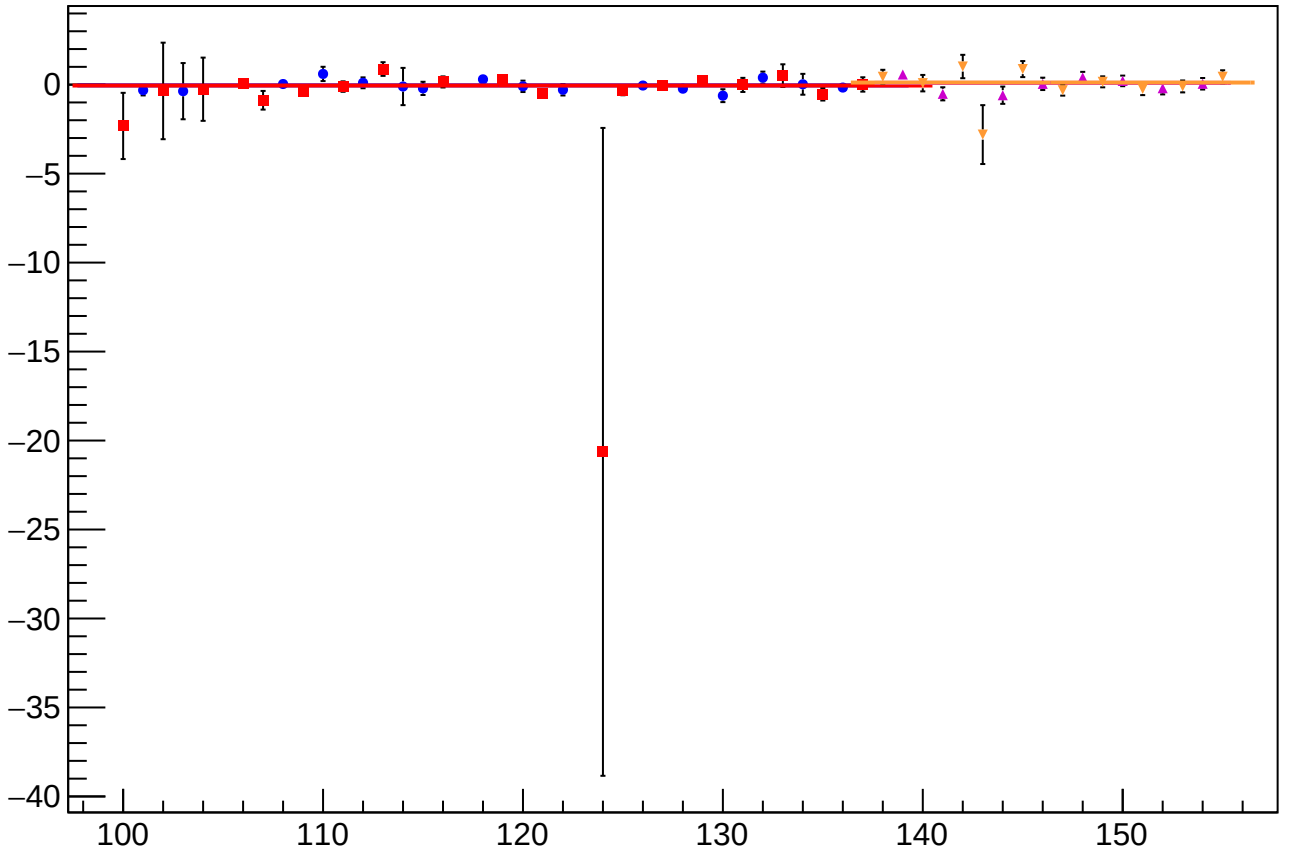
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.126+/-0.083 χ^2/NDF:354926.9/7

+ sign 231.635+/-0.047 χ^2/NDF: 4419874.3/25

All: 227.098+/-0.033 χ^2/NDF: 8636181.9/52

- sign 222.630+/-0.046 χ^2/NDF: 4197509.6/26



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.118+/-0.124 χ^2/NDF:12.8/9

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

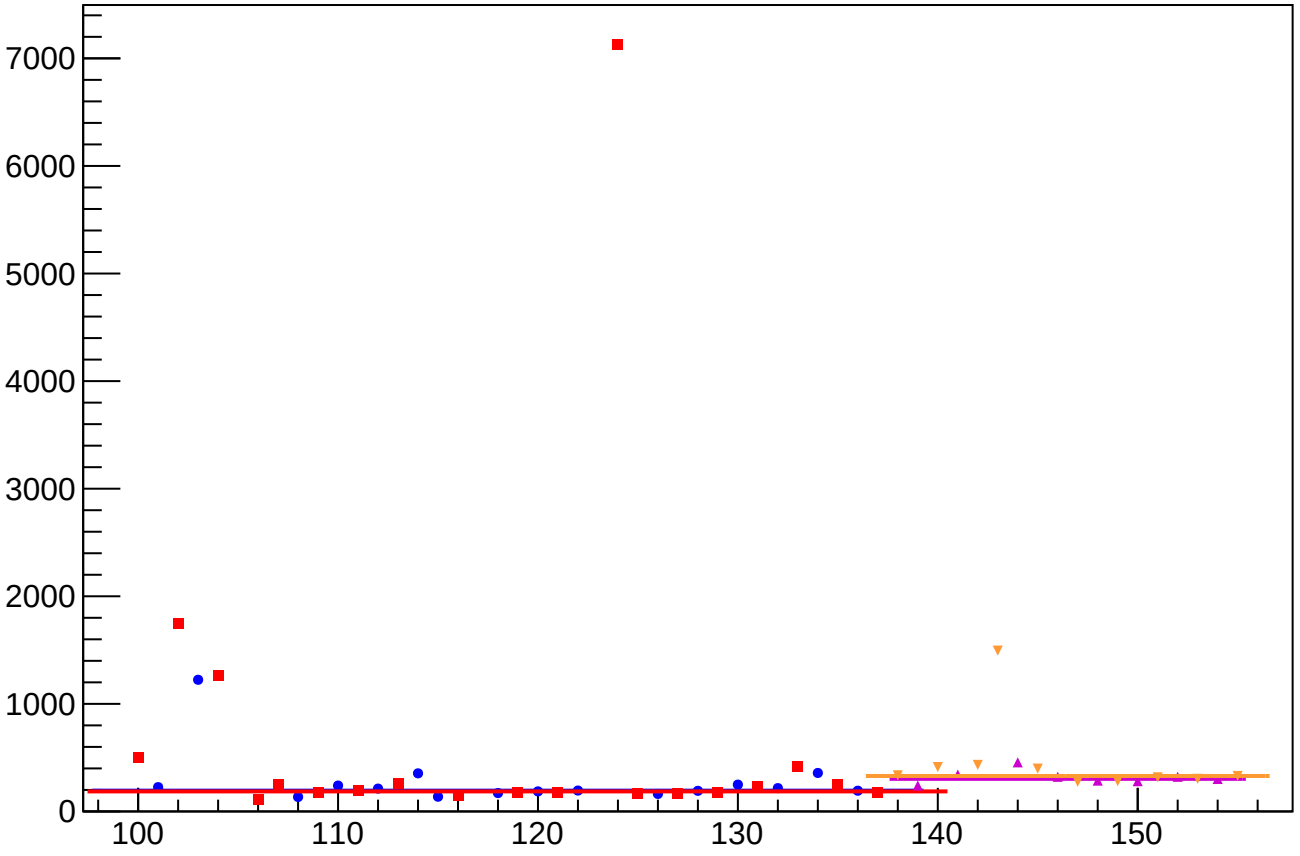
Left In: 0.097+/-0.117 χ^2/NDF:9.7/7

+ sign 0.004+/-0.066 χ^2/NDF: 25.7/25

All: -0.000+/-0.046 χ^2/NDF: 59.5/52

- sign -0.004+/-0.065 χ^2/NDF: 33.8/26

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 329.781+/-0.088 χ^2/NDF:1277691.5/9

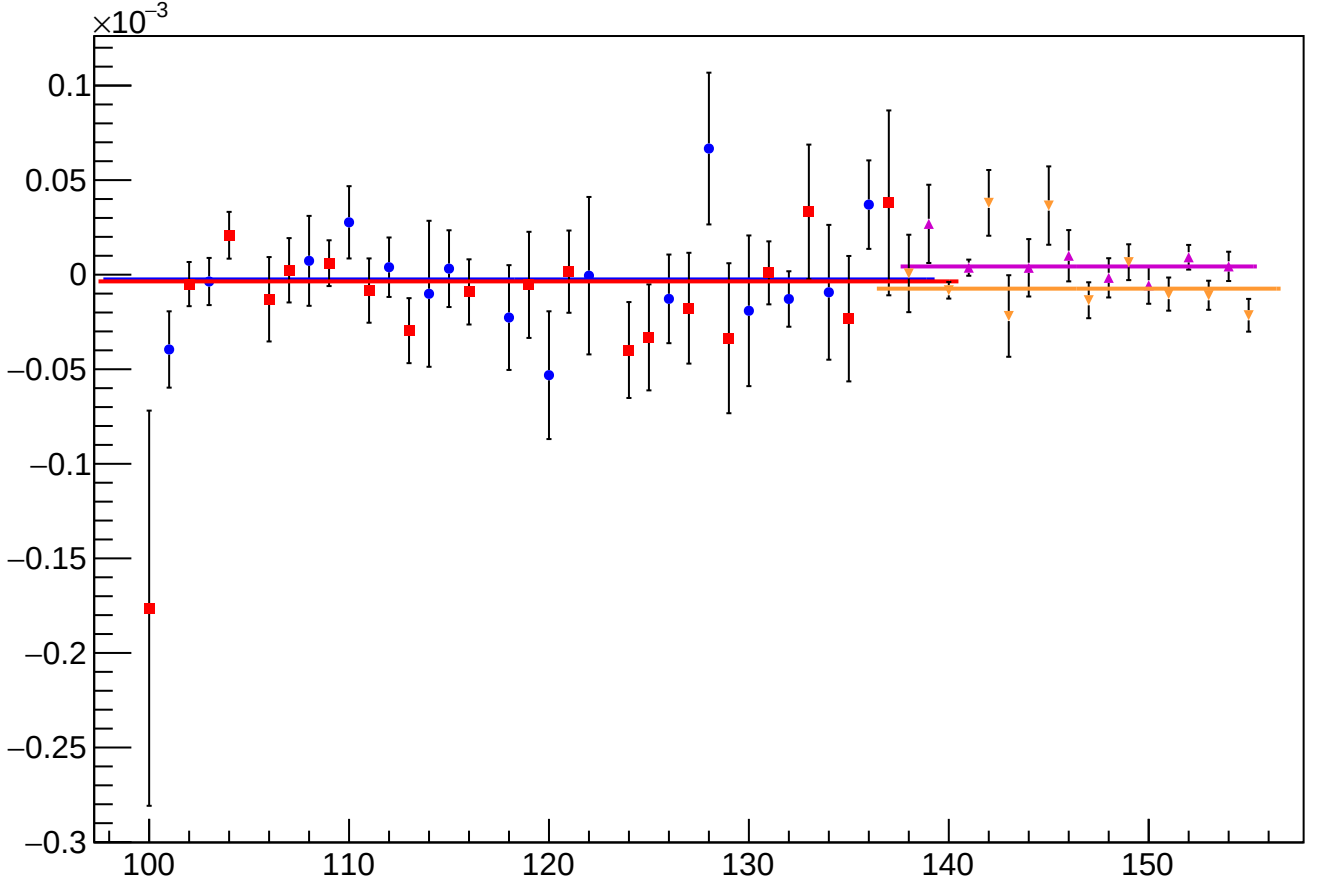
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.126+/-0.083 χ^2/NDF:354926.9/7

+ sign 231.635+/-0.047 χ^2/NDF: 4419874.3/25

All: 227.098+/-0.033 χ^2/NDF: 8636181.9/52

- sign 222.630+/-0.046 χ^2/NDF: 4197509.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/9

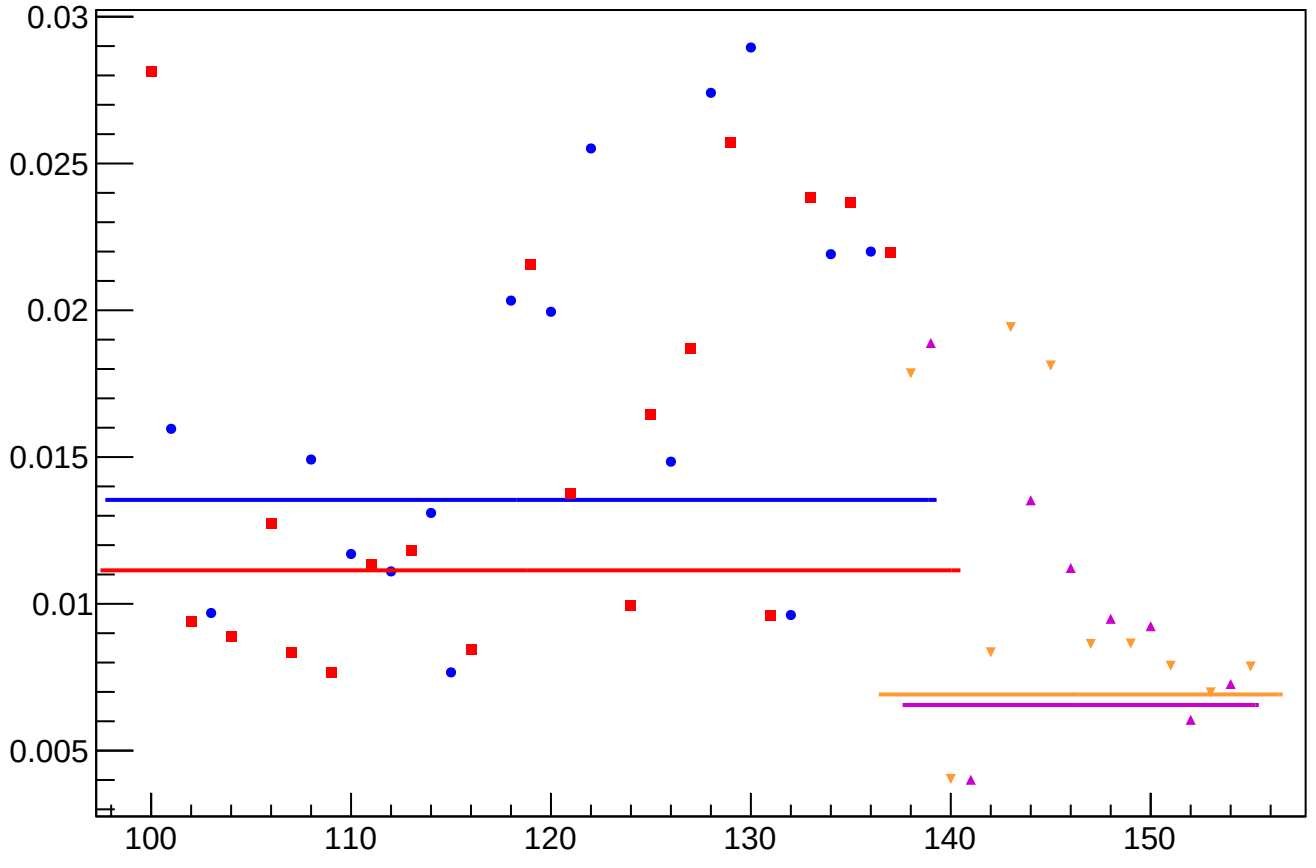
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/25

All: -0.000+/-0.000 χ^2/NDF: 61.9/52

- sign 0.000+/-0.000 χ^2/NDF: 21.9/26



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2881929.6/9

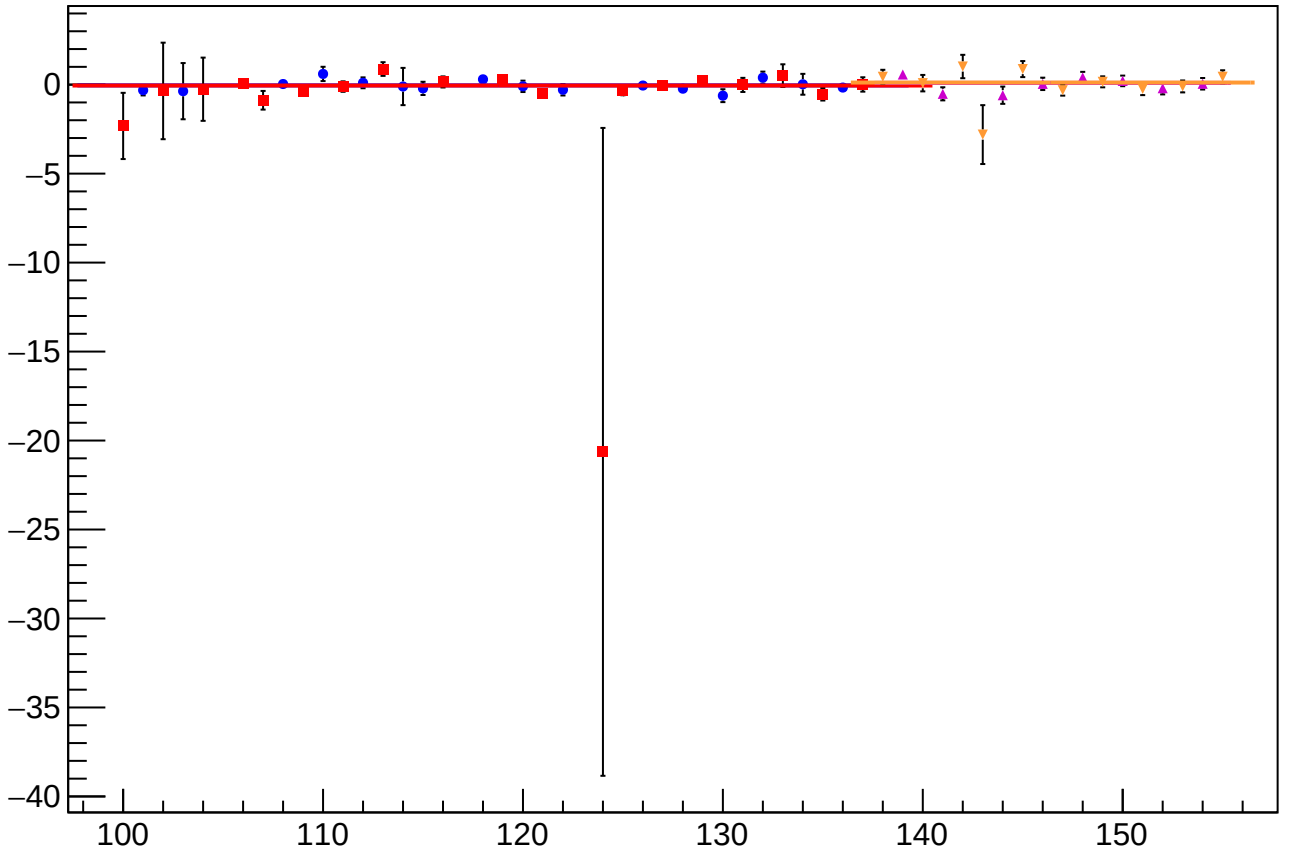
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2422351.0/7

+ sign 0.008+/-0.000 χ^2/NDF: 7096801.1/25

All: 0.008+/-0.000 χ^2/NDF: 12952787.4/52

- sign 0.008+/-0.000 χ^2/NDF: 5822782.4/26



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.118+/-0.124 χ^2/NDF:12.8/9

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

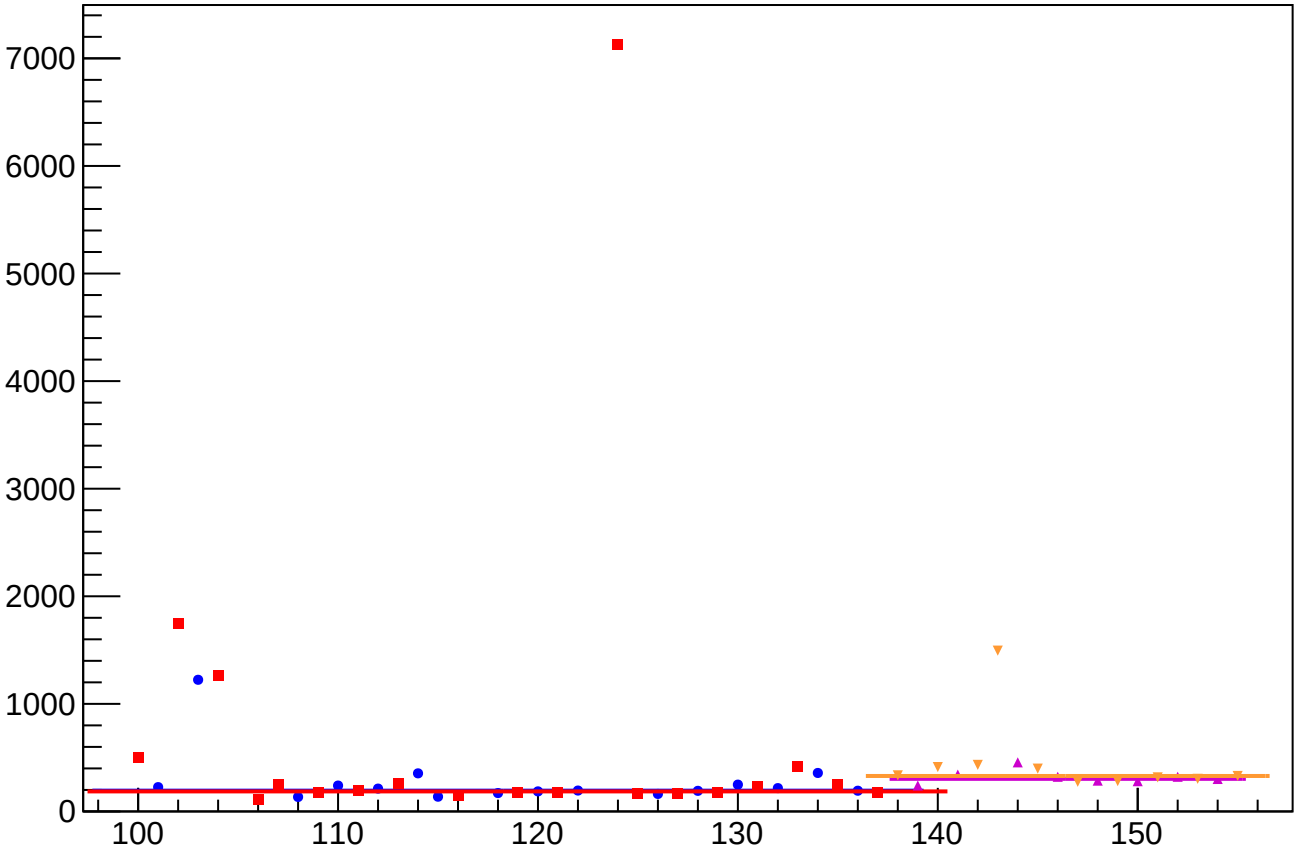
Left In: 0.097+/-0.117 χ^2/NDF:9.7/7

+ sign 0.004+/-0.066 χ^2/NDF: 25.7/25

All: -0.000+/-0.046 χ^2/NDF: 59.5/52

- sign -0.004+/-0.065 χ^2/NDF: 33.8/26

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: 329.785+/-0.088 χ^2/NDF:1277665.5/9

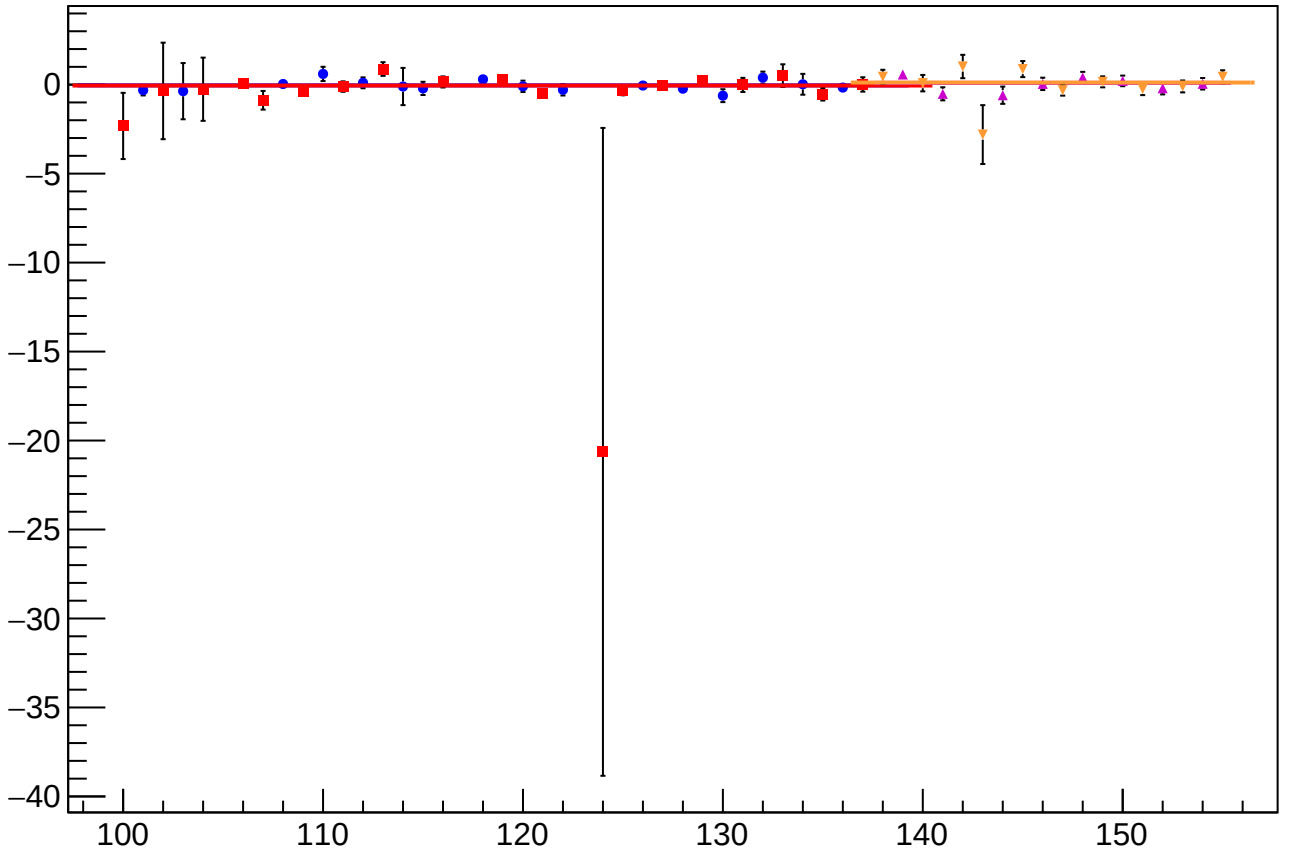
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.130+/-0.083 χ^2/NDF:354905.8/7

+ sign 231.634+/-0.047 χ^2/NDF: 4419953.2/25

All: 227.097+/-0.033 χ^2/NDF: 8636401.6/52

- sign 222.629+/-0.046 χ^2/NDF: 4197648.6/26



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.118+/-0.124 χ^2/NDF:12.8/9

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

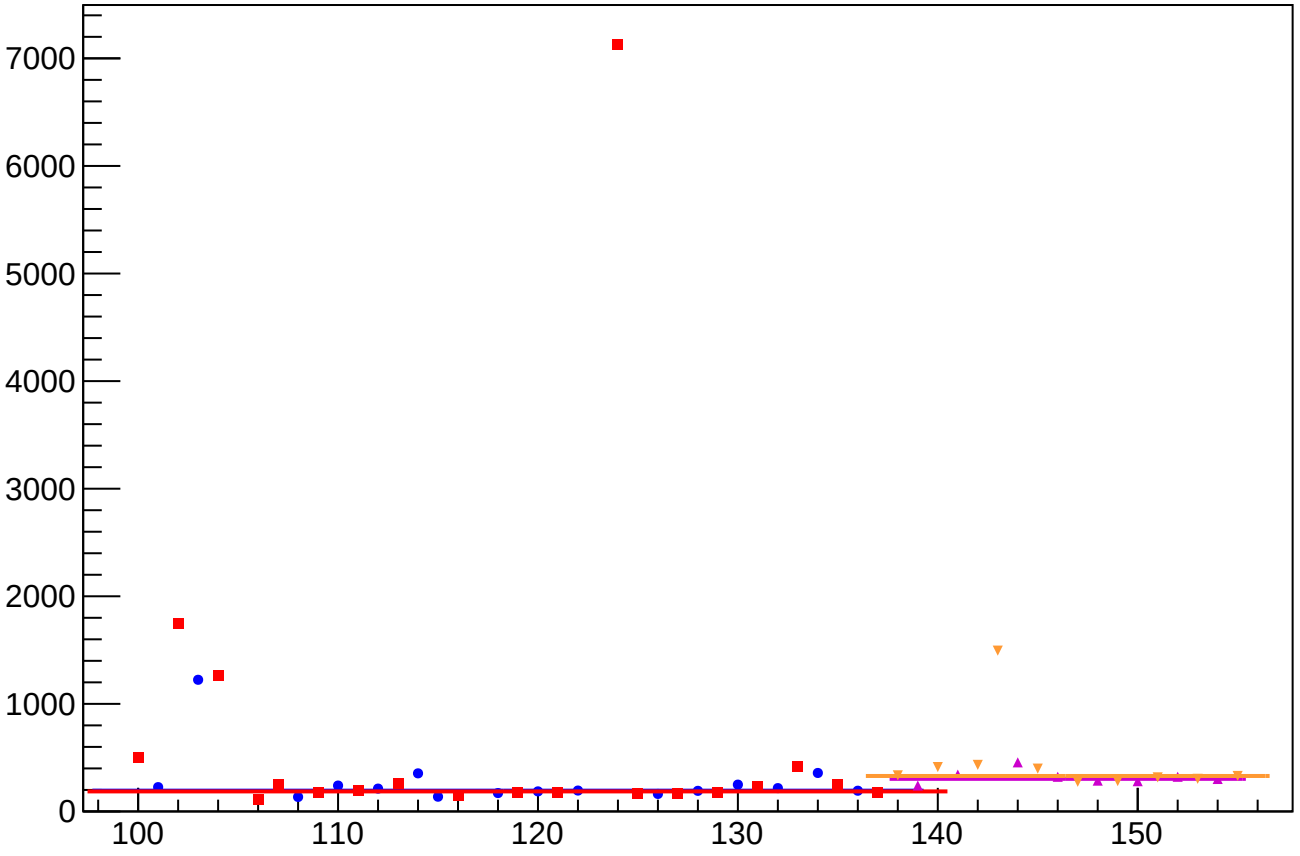
Left In: 0.097+/-0.117 χ^2/NDF:9.7/7

\+ sign 0.004+/-0.066 χ^2/NDF: 25.7/25

All: -0.000+/-0.046 χ^2/NDF: 59.5/52

\- sign -0.004+/-0.065 χ^2/NDF: 33.8/26

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 329.785+/-0.088 χ^2/NDF:1277665.5/9

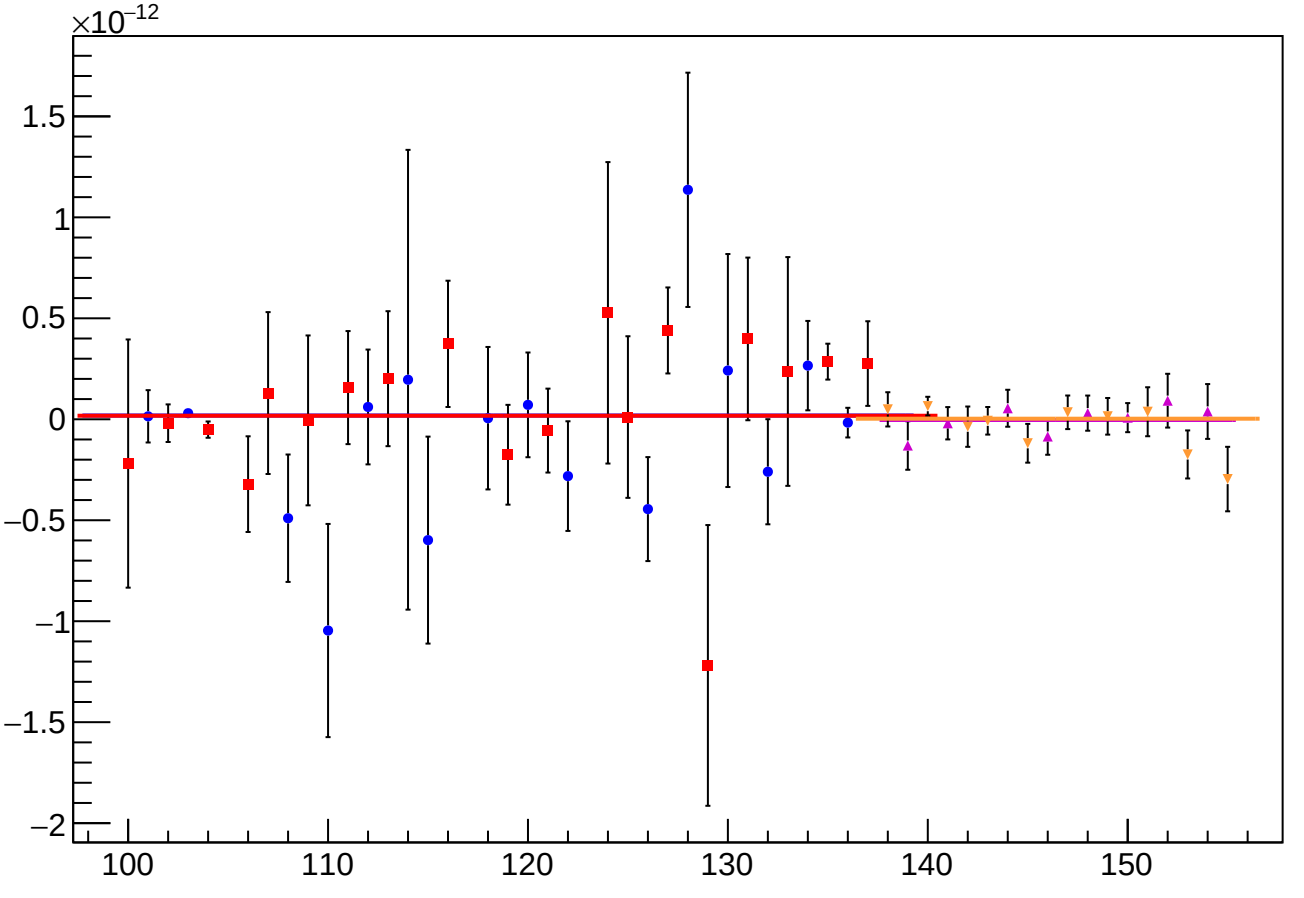
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.130+/-0.083 χ^2/NDF:354905.8/7

+ sign 231.634+/-0.047 χ^2/NDF: 4419953.2/25

All: 227.097+/-0.033 χ^2/NDF: 8636401.6/52

- sign 222.629+/-0.046 χ^2/NDF: 4197648.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

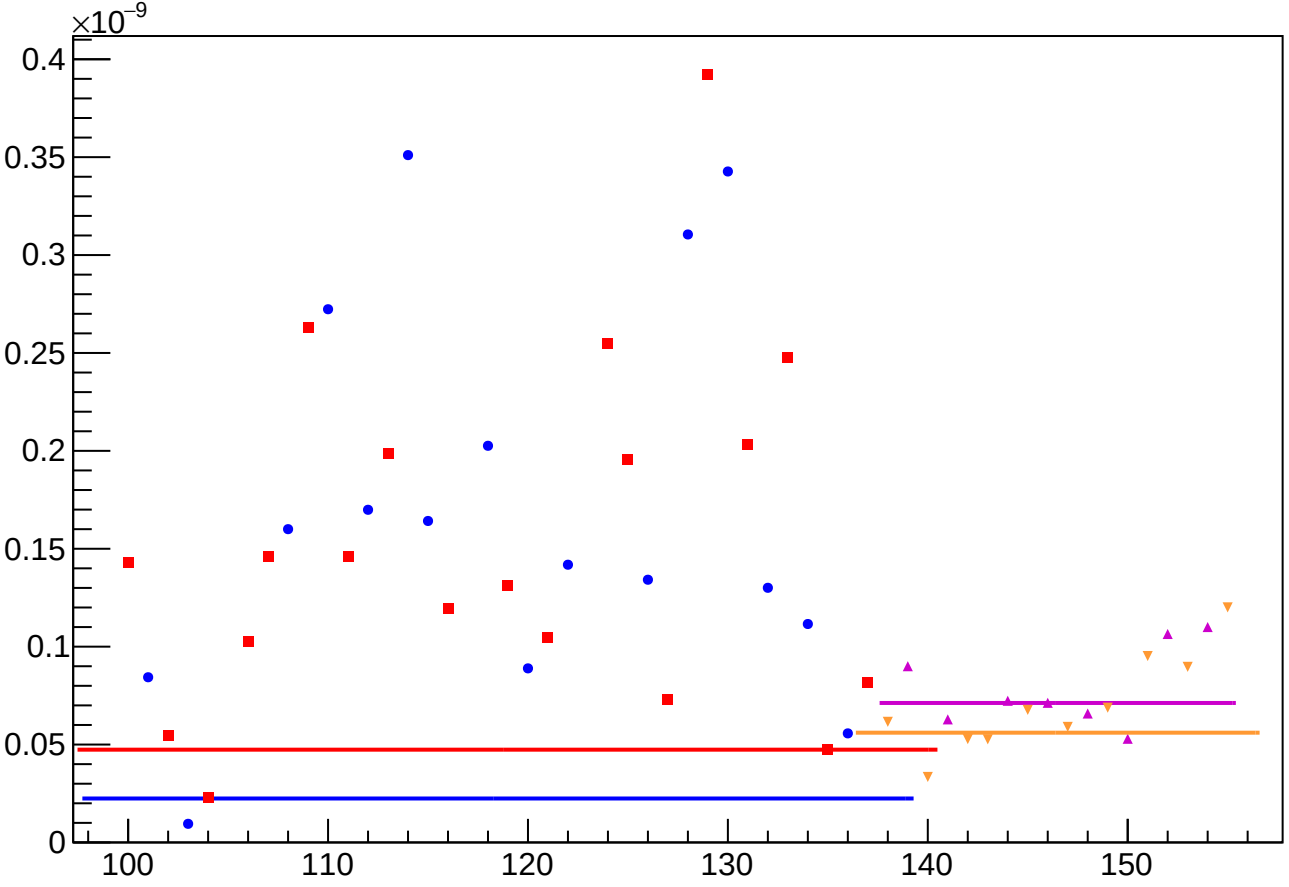
Left In: -0.000+/-0.000 χ^2/NDF:3.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/25

All: 0.000+/-0.000 χ^2/NDF: 60.0/52

- sign 0.000+/-0.000 χ^2/NDF: 30.5/26

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1251457.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

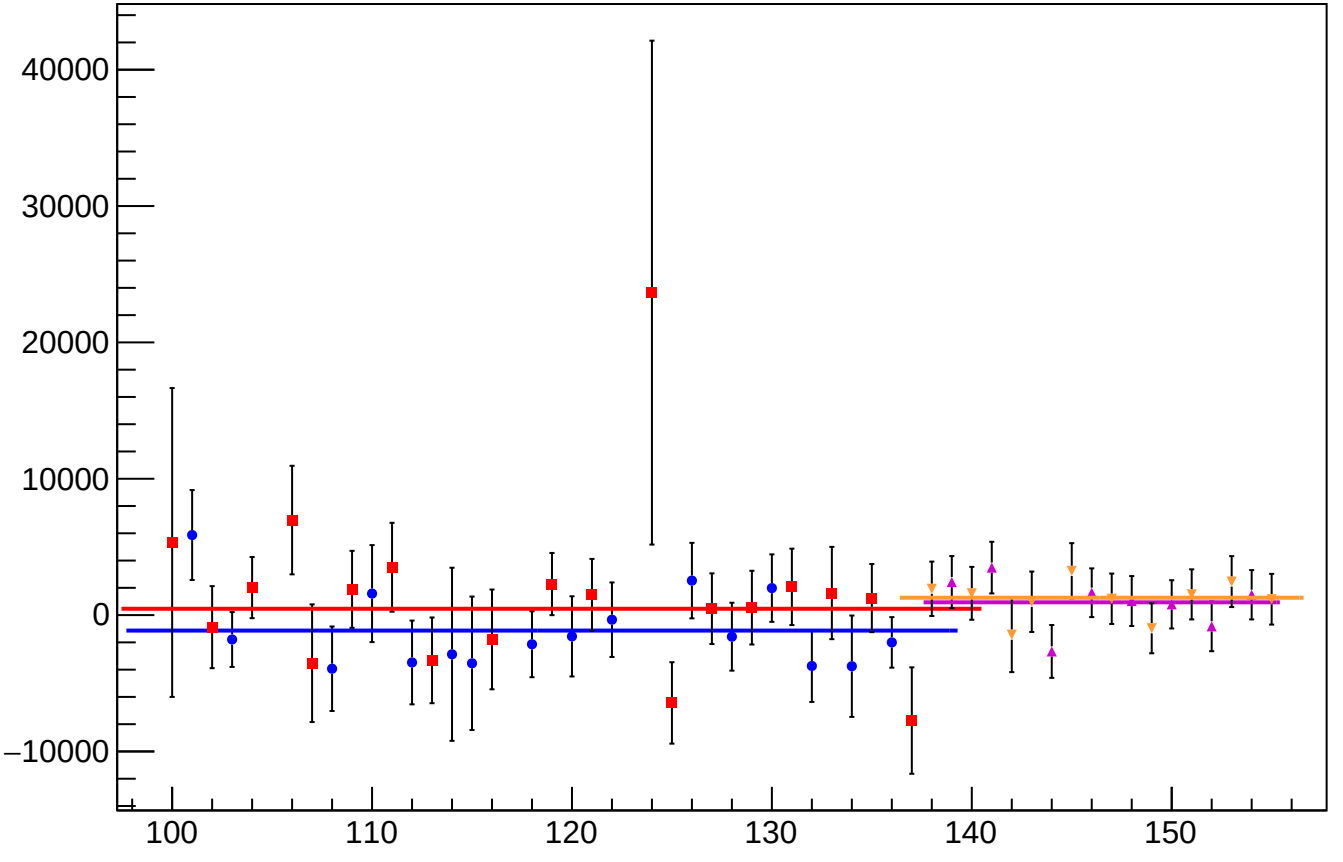
Left In: 0.000+/-0.000 χ^2/NDF:510772.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 9708100.4/25

All: 0.000+/-0.000 χ^2/NDF: 16379367.1/52

- sign 0.000+/-0.000 χ^2/NDF: 5292935.7/26

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1274.203+/-625.162 χ^2/NDF:4.0/9

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

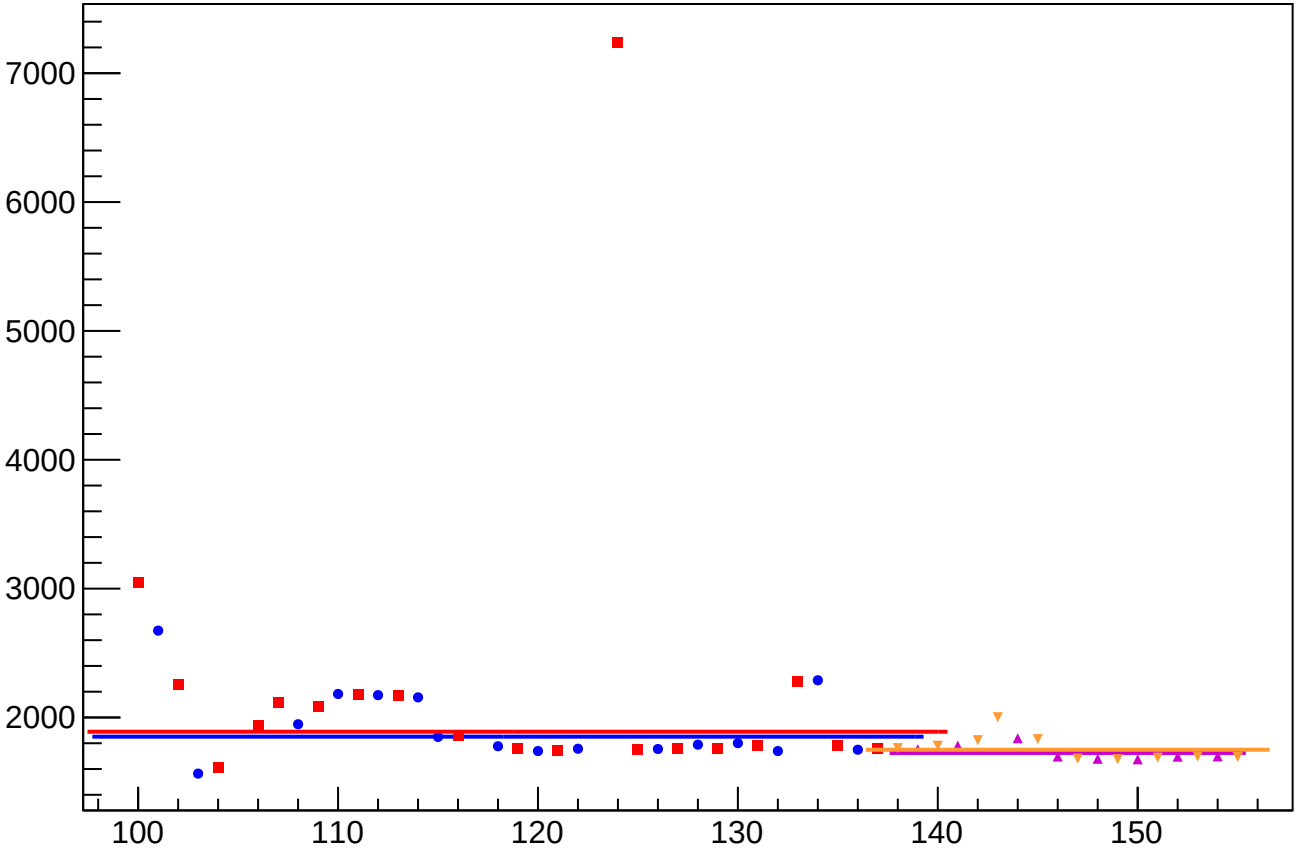
Left In: 937.416+/-651.204 χ^2/NDF:7.1/7

+ sign 194.772+/-464.427 χ^2/NDF: 22.9/25

All: 449.692+/-333.314 χ^2/NDF: 50.8/52

- sign 720.464+/-478.649 χ^2/NDF: 27.3/26

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1749.772+/-0.442 χ^2/NDF:42898.9/9

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

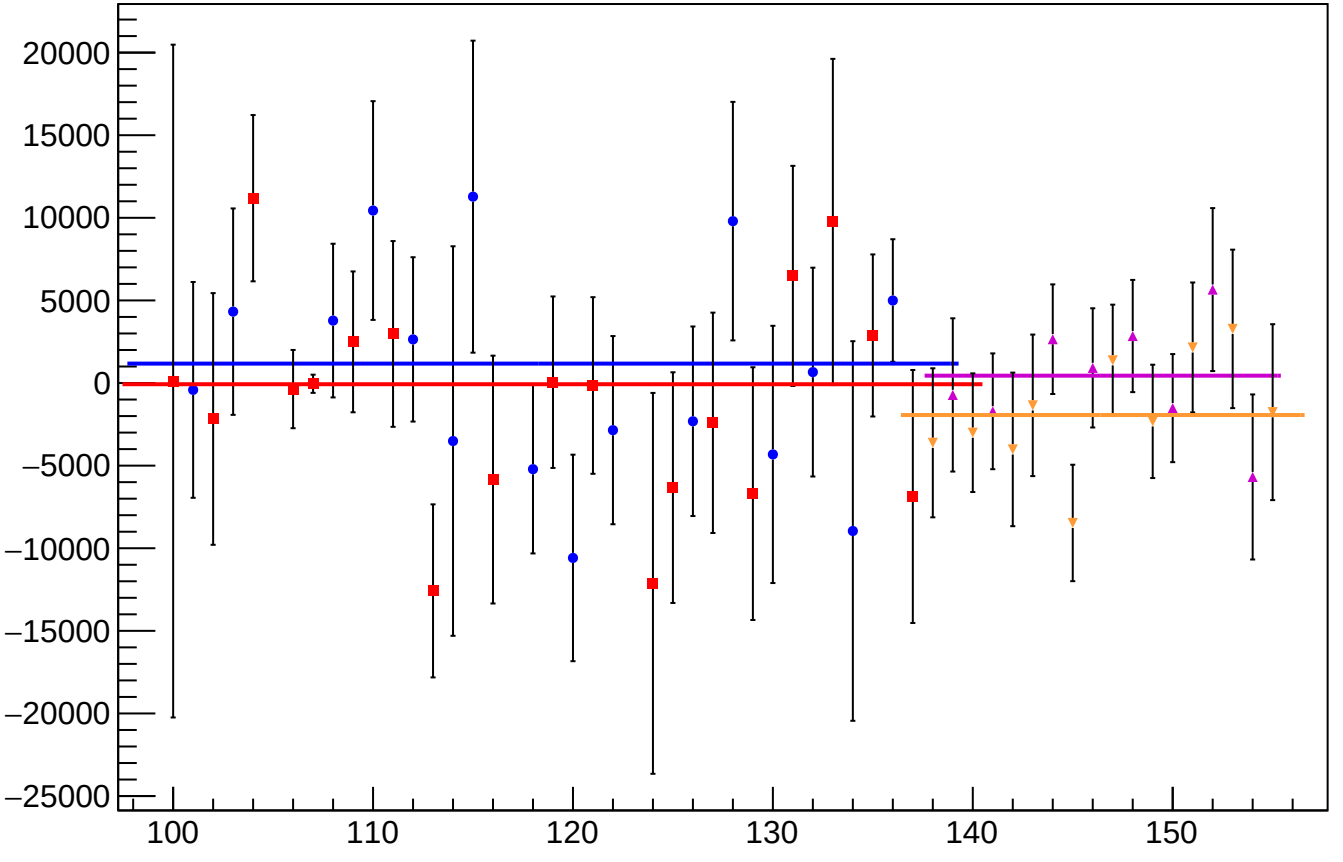
Left In: 1724.716+/-0.460 χ^2/NDF:13417.6/7

+ sign 1795.192+/-0.328 χ^2/NDF: 326439.1/25

All: 1797.855+/-0.236 χ^2/NDF: 757938.2/52

- sign 1800.677+/-0.338 χ^2/NDF: 431363.7/26

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -1937.336+/-1265.435 χ^2/NDF:7.1/9

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

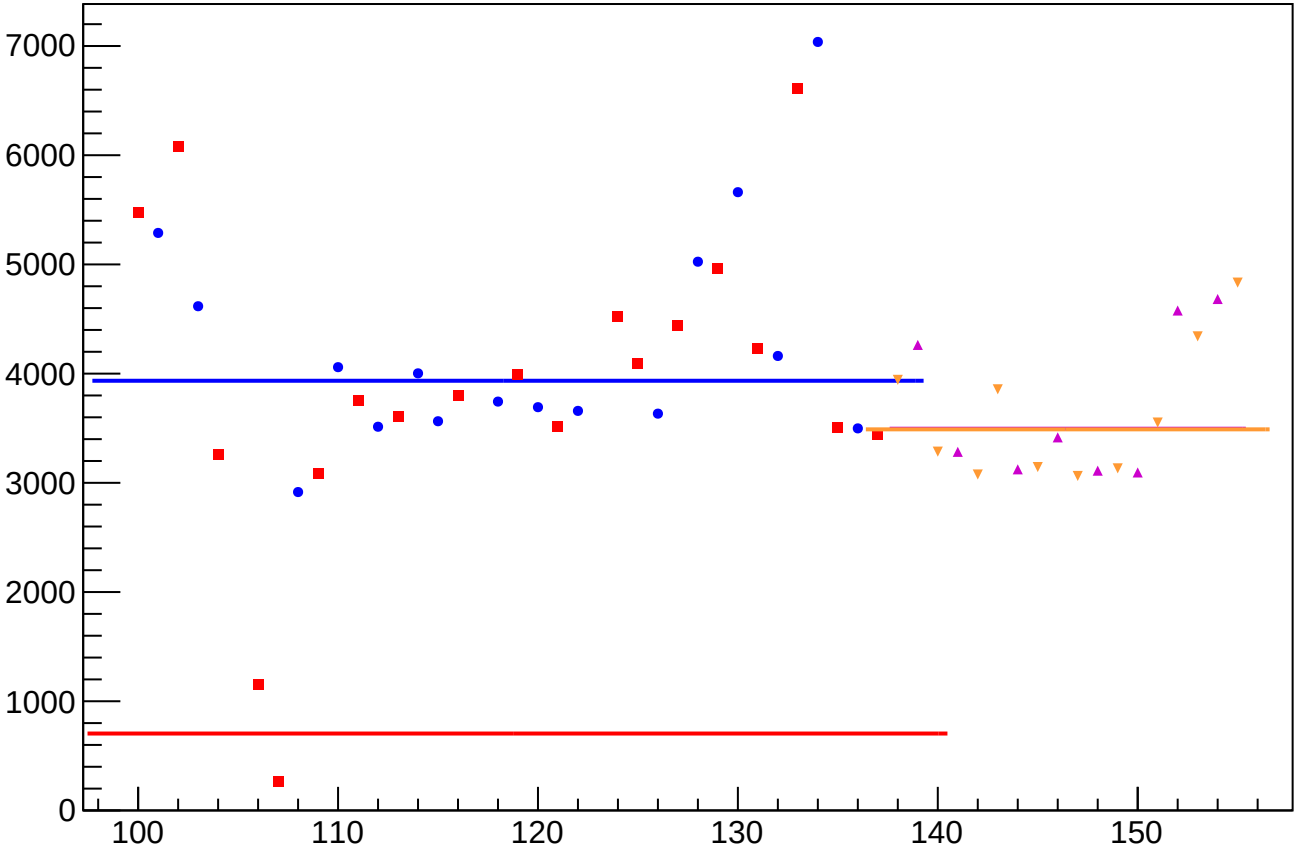
Left In: 445.122+/-1340.013 χ^2/NDF:4.4/7

+ sign -645.237+/-967.791 χ^2/NDF: 23.4/25

All: -131.025+/-425.050 χ^2/NDF: 46.2/52

- sign -8.131+/-473.124 χ^2/NDF: 22.4/26

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3489.753+/-0.895 χ^2/NDF:321004.2/9

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

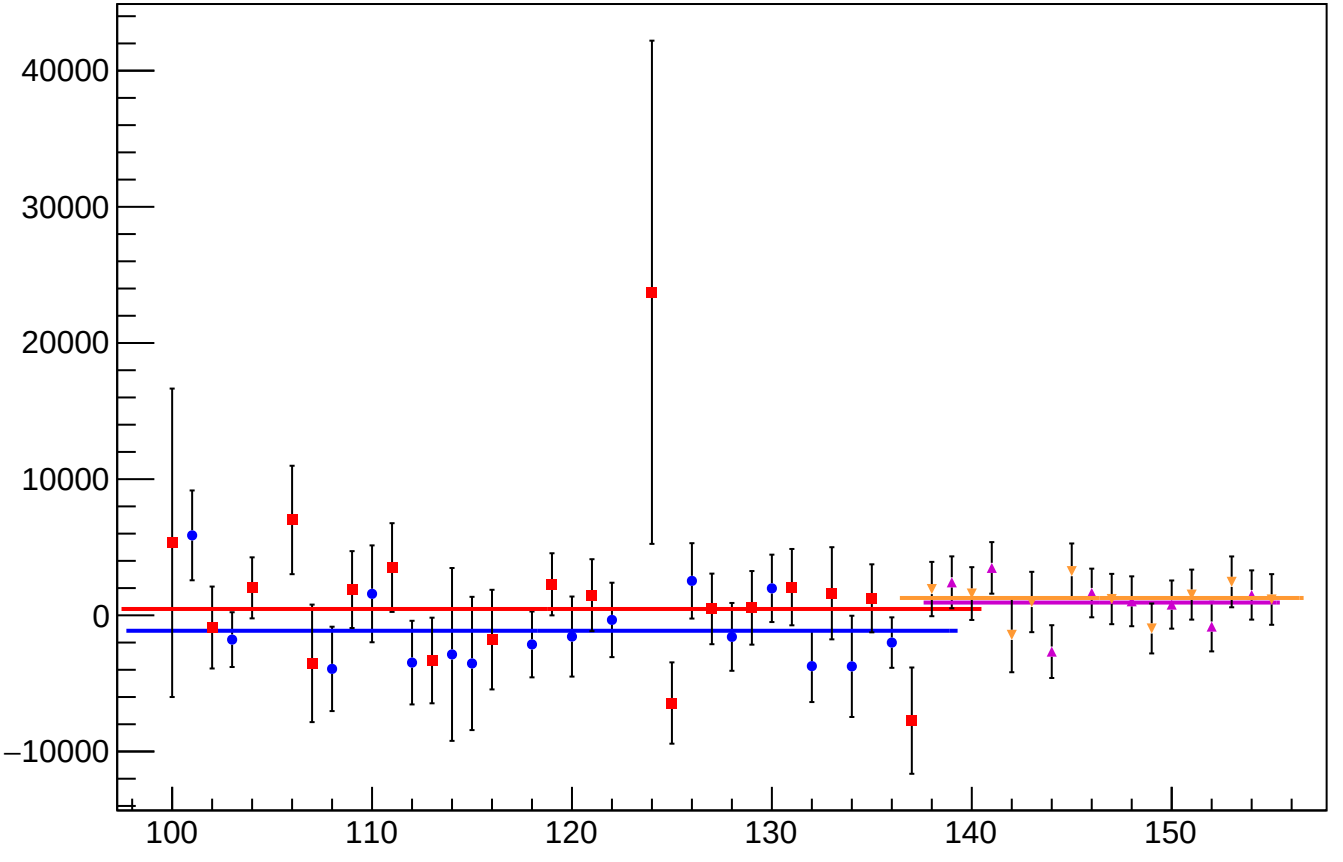
Left In: 3495.518+/-0.948 χ^2/NDF:353097.6/7

+ sign 3674.457+/-0.684 χ^2/NDF: 983777.9/25

All: 1558.123+/-0.301 χ^2/NDF: 31400502.9/5

- sign 1052.332+/-0.335 χ^2/NDF: 18567112.5/26

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1274.176+/-625.162 χ^2/NDF:4.0/9

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

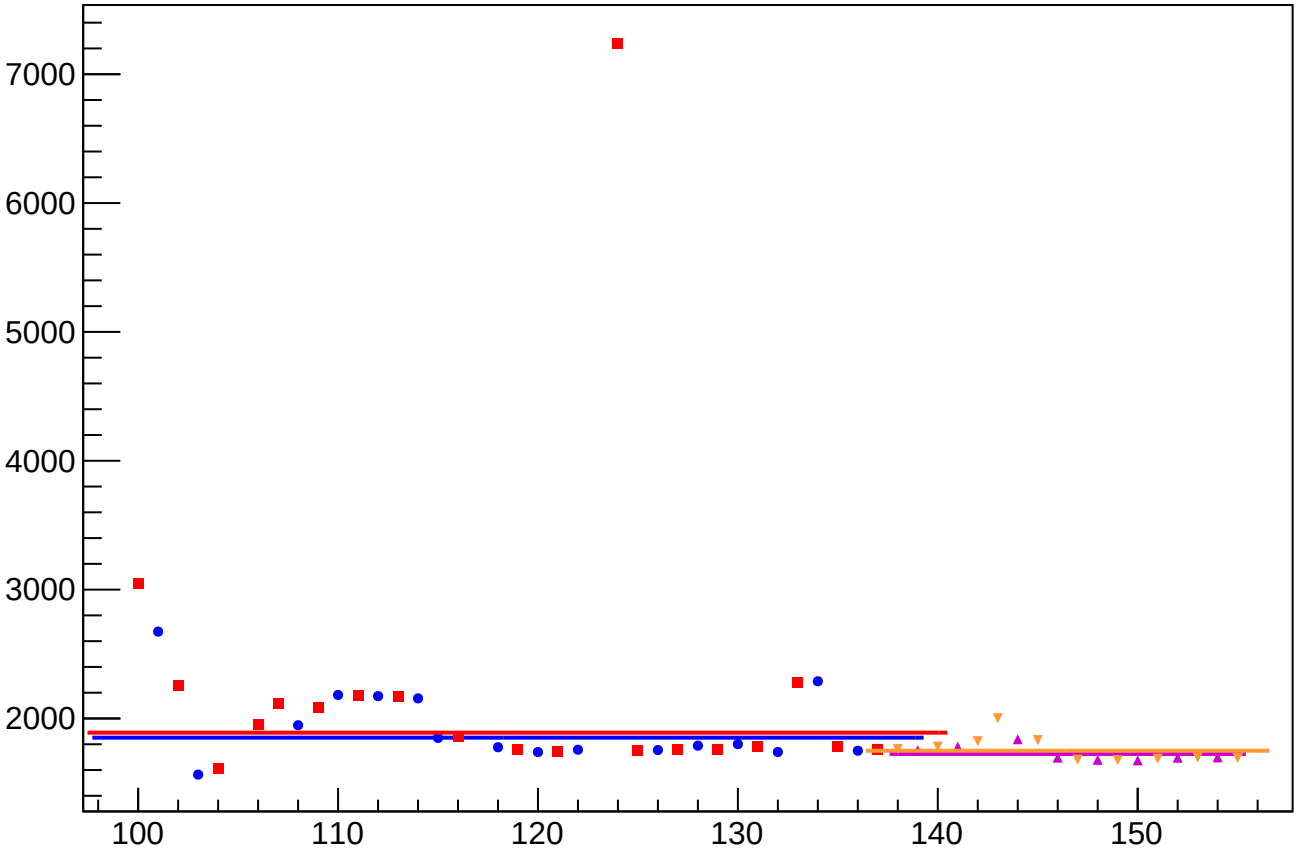
Left In: 937.347+/-651.204 χ^2/NDF:7.1/7

+ sign 194.948+/-464.427 χ^2/NDF: 22.9/25

All: 449.850+/-333.314 χ^2/NDF: 50.8/52

- sign 720.602+/-478.649 χ^2/NDF: 27.3/26

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1749.772+/-0.442 χ^2/NDF:42898.9/9

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

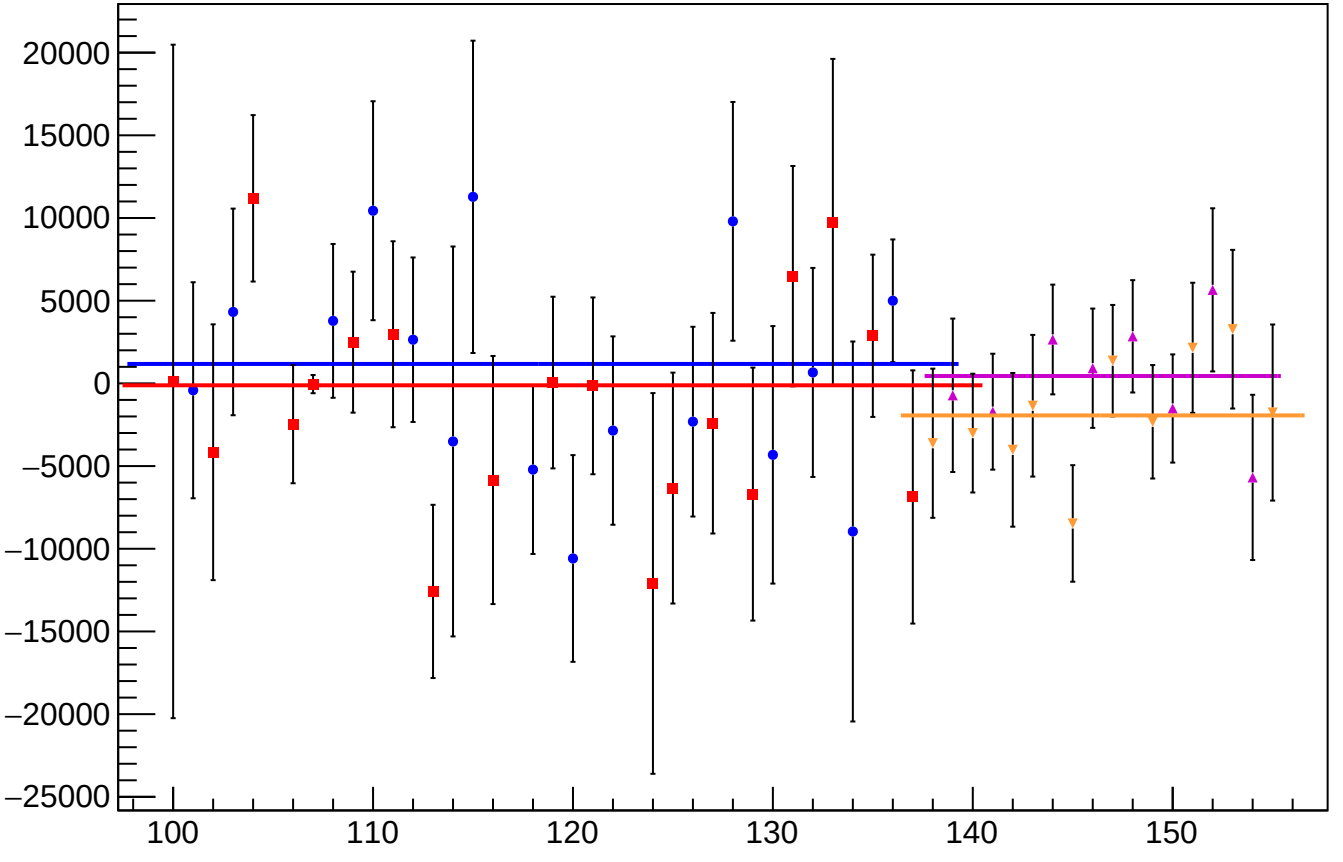
Left In: 1724.717+/-0.460 χ^2/NDF:13417.6/7

+ sign 1795.192+/-0.328 χ^2/NDF: 326438.4/25

All: 1797.948+/-0.236 χ^2/NDF: 758481.2/52

- sign 1800.870+/-0.338 χ^2/NDF: 431897.7/26

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1937.390+/-1265.431 χ^2/NDF:7.1/9

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

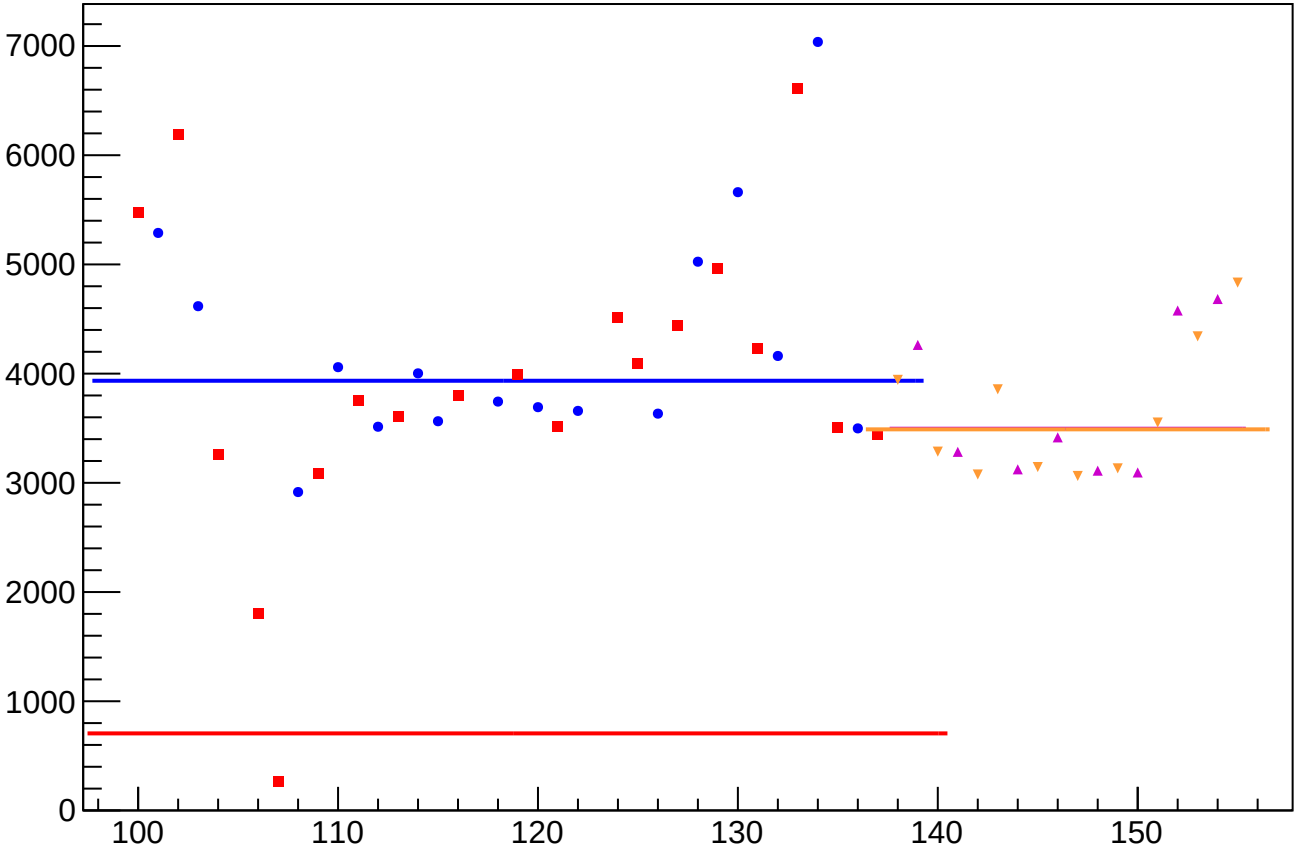
Left In: 445.132+/-1340.013 χ^2/NDF:4.4/7

+ sign -645.288+/-967.791 χ^2/NDF: 23.4/25

All: -162.420+/-428.945 χ^2/NDF: 46.8/52

- sign -44.373+/-478.513 χ^2/NDF: 23.1/26

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3489.742+/-0.895 χ^2/NDF:321015.6/9

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

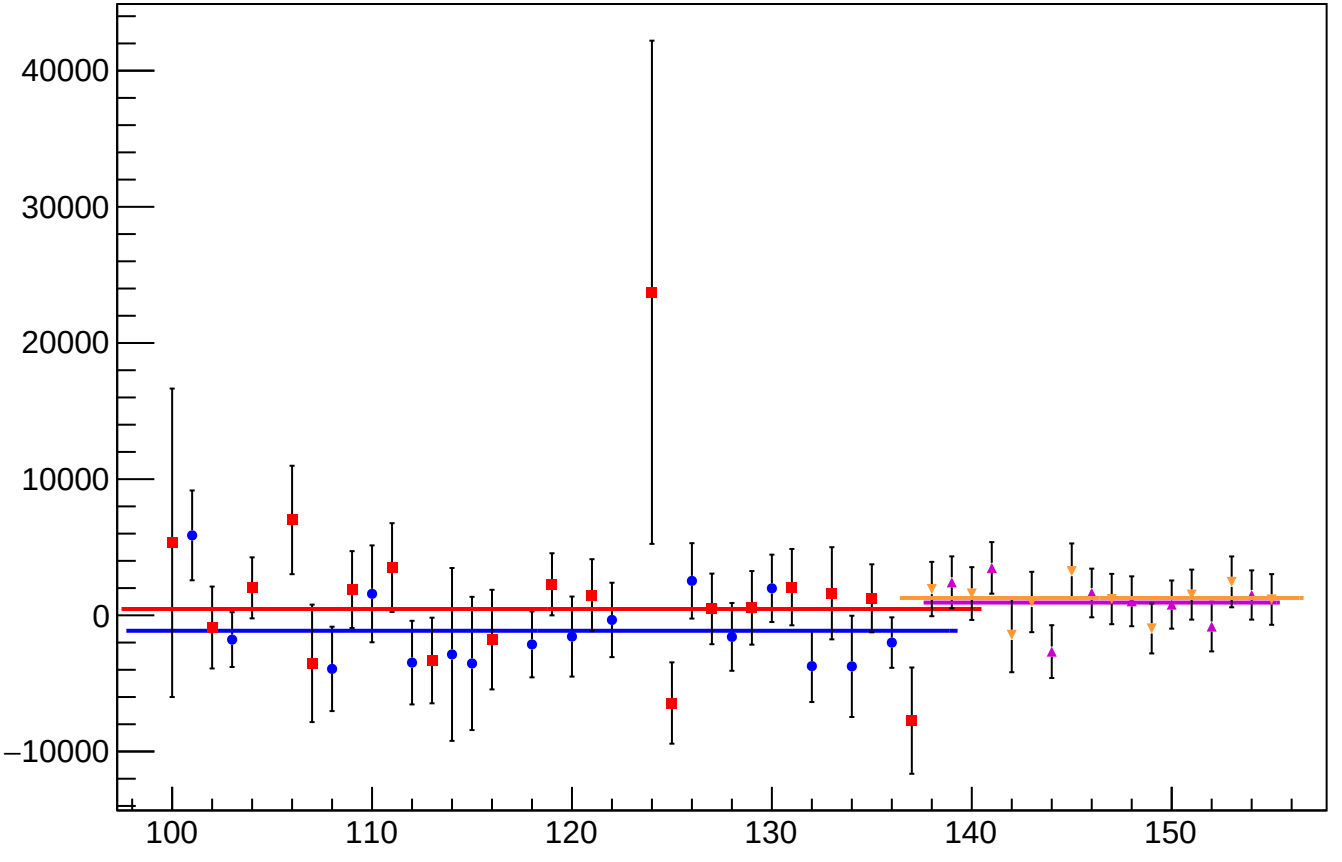
Left In: 3495.520+/-0.948 χ^2/NDF:353092.7/7

+ sign 3674.453+/-0.684 χ^2/NDF: 983822.4/25

All: 1574.704+/-0.303 χ^2/NDF: 31364184.2/5

- sign 1061.380+/-0.338 χ^2/NDF: 18664199.7/26

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1274.176+/-625.162 χ^2/NDF:4.0/9

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

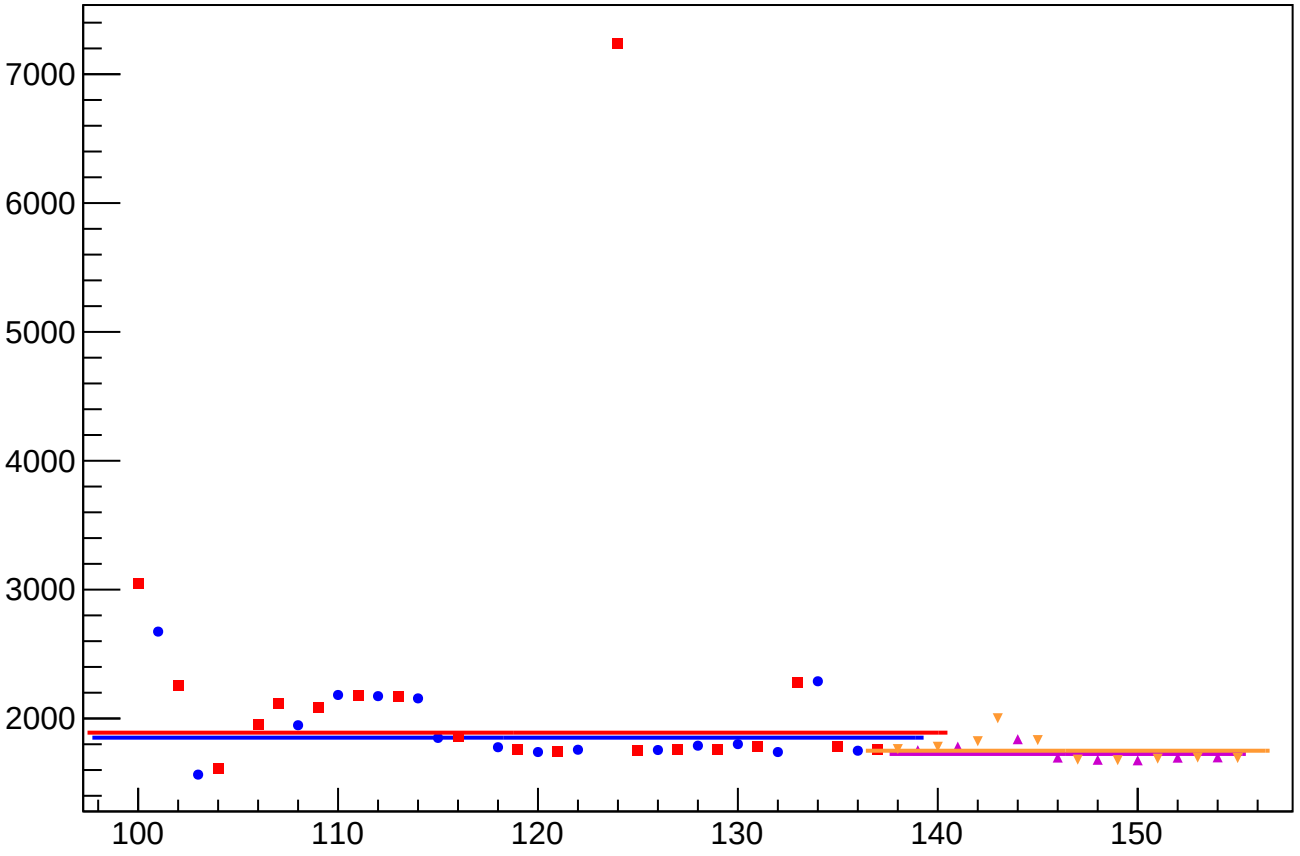
Left In: 937.347+/-651.204 χ^2/NDF:7.1/7

\+ sign 194.948+/-464.427 χ^2/NDF: 22.9/25

All: 449.850+/-333.314 χ^2/NDF: 50.8/52

\- sign 720.602+/-478.649 χ^2/NDF: 27.3/26

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1749.772+/-0.442 χ^2/NDF:42898.9/9

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

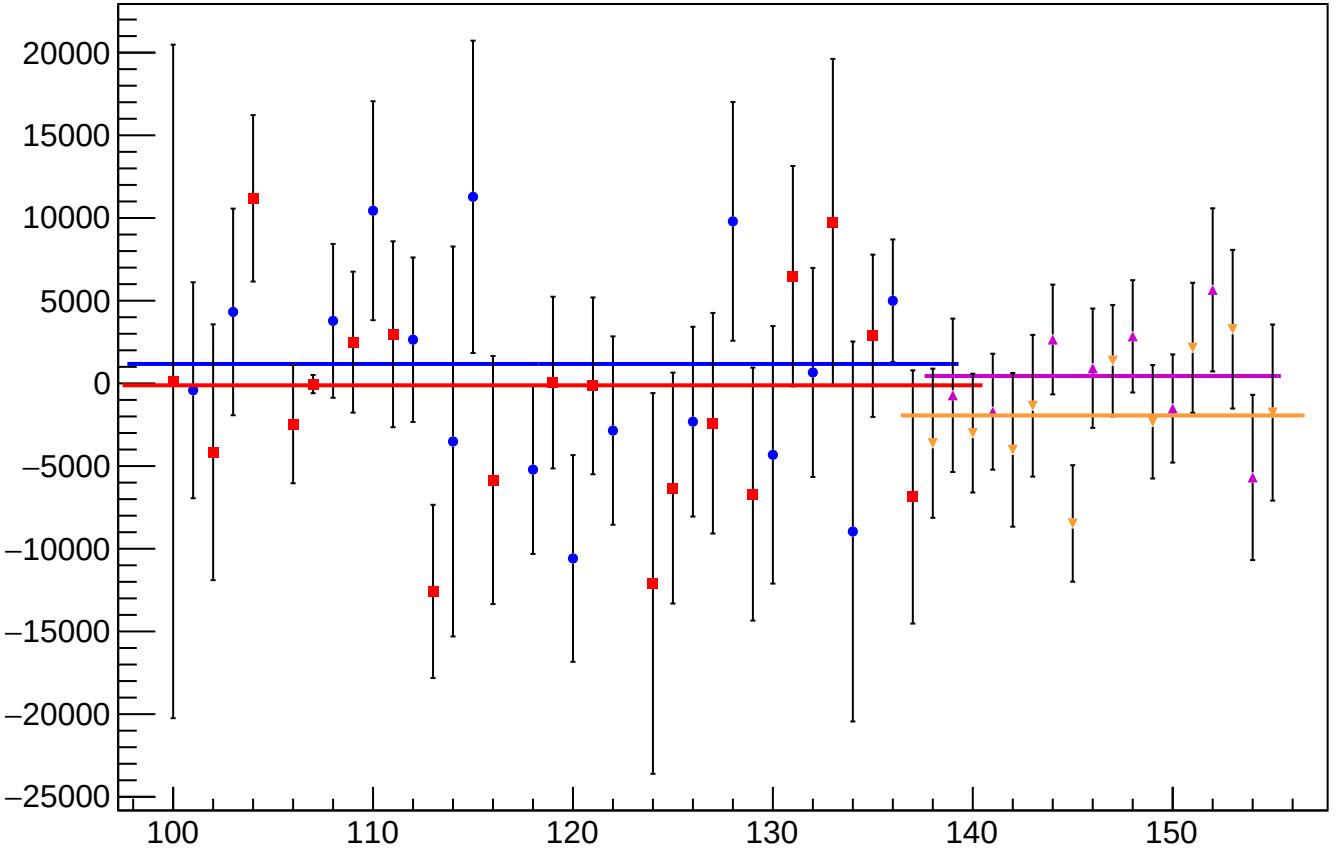
Left In: 1724.717+/-0.460 χ^2/NDF:13417.6/7

+ sign 1795.192+/-0.328 χ^2/NDF: 326438.4/25

All: 1797.948+/-0.236 χ^2/NDF: 758481.2/52

- sign 1800.870+/-0.338 χ^2/NDF: 431897.7/26

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1937.390+/-1265.431 χ^2/NDF:7.1/9

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

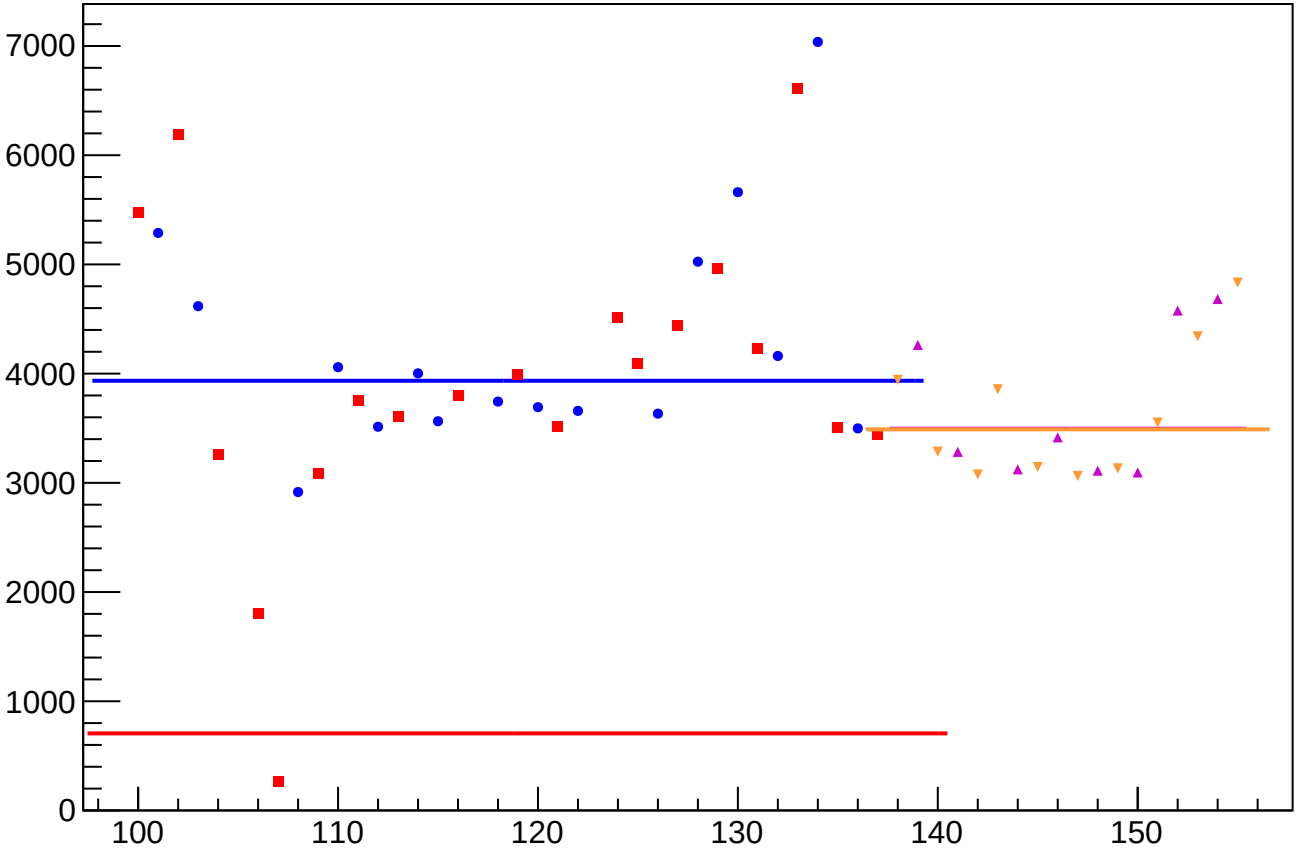
Left In: 445.132+/-1340.013 χ^2/NDF:4.4/7

+ sign -645.288+/-967.791 χ^2/NDF: 23.4/25

All: -162.420+/-428.945 χ^2/NDF: 46.8/52

- sign -44.373+/-478.513 χ^2/NDF: 23.1/26

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3489.742+/-0.895 χ^2/NDF:321015.6/9

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

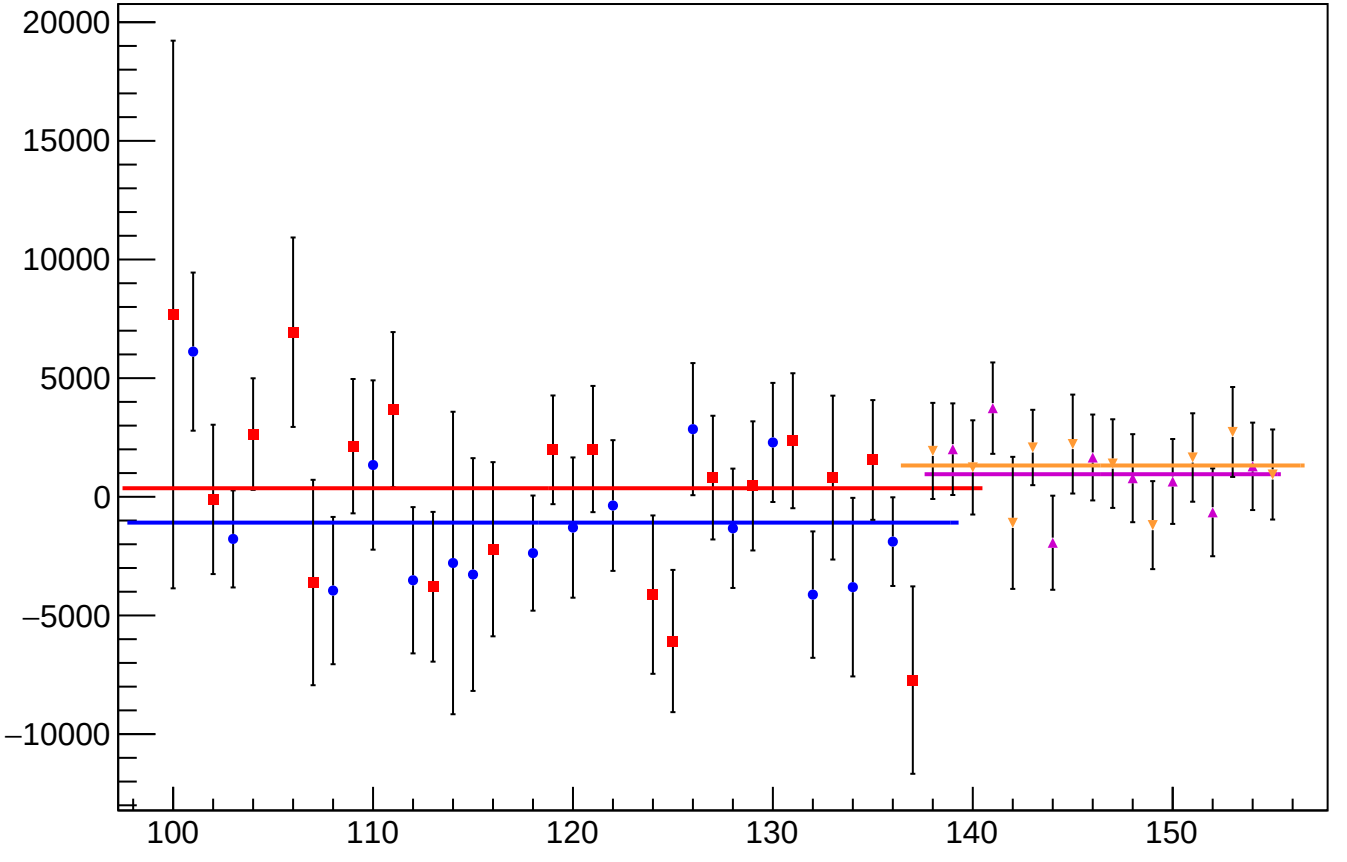
Left In: 3495.520+/-0.948 χ^2/NDF:353092.7/7

+ sign 3674.453+/-0.684 χ^2/NDF: 983822.4/25

All: 1574.704+/-0.303 χ^2/NDF: 31364184.2/5

- sign 1061.380+/-0.338 χ^2/NDF: 18664199.7/26

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1320.401+/-611.429 χ^2/NDF:3.7/9

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

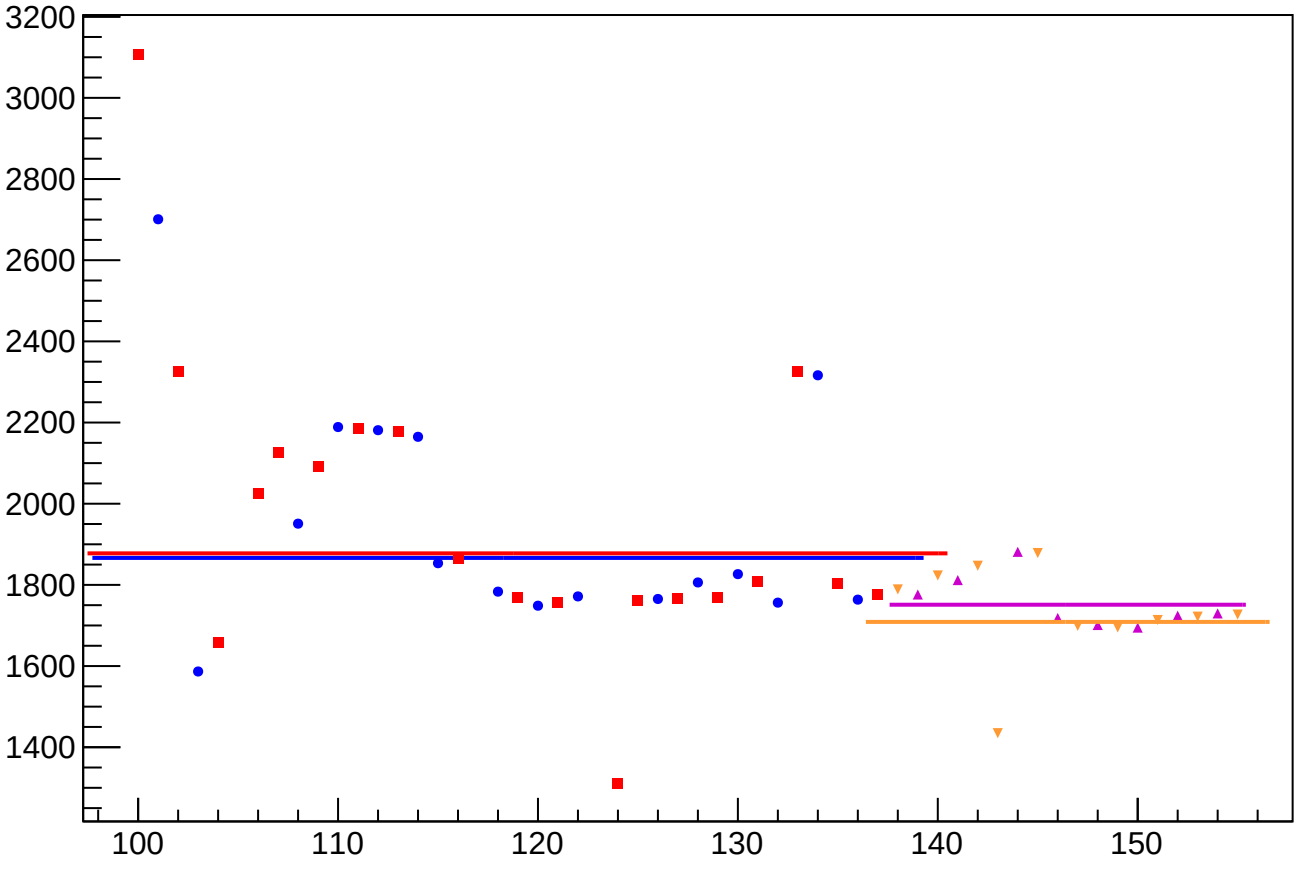
Left In: 952.220+/-661.237 χ^2/NDF:5.5/7

\+ sign 277.525+/-460.376 χ^2/NDF: 23.6/25

All: 466.965+/-332.447 χ^2/NDF: 50.7/52

\- sign 673.393+/-480.576 χ^2/NDF: 26.7/26

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.781+/-0.432 χ^2/NDF:88056.0/9

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

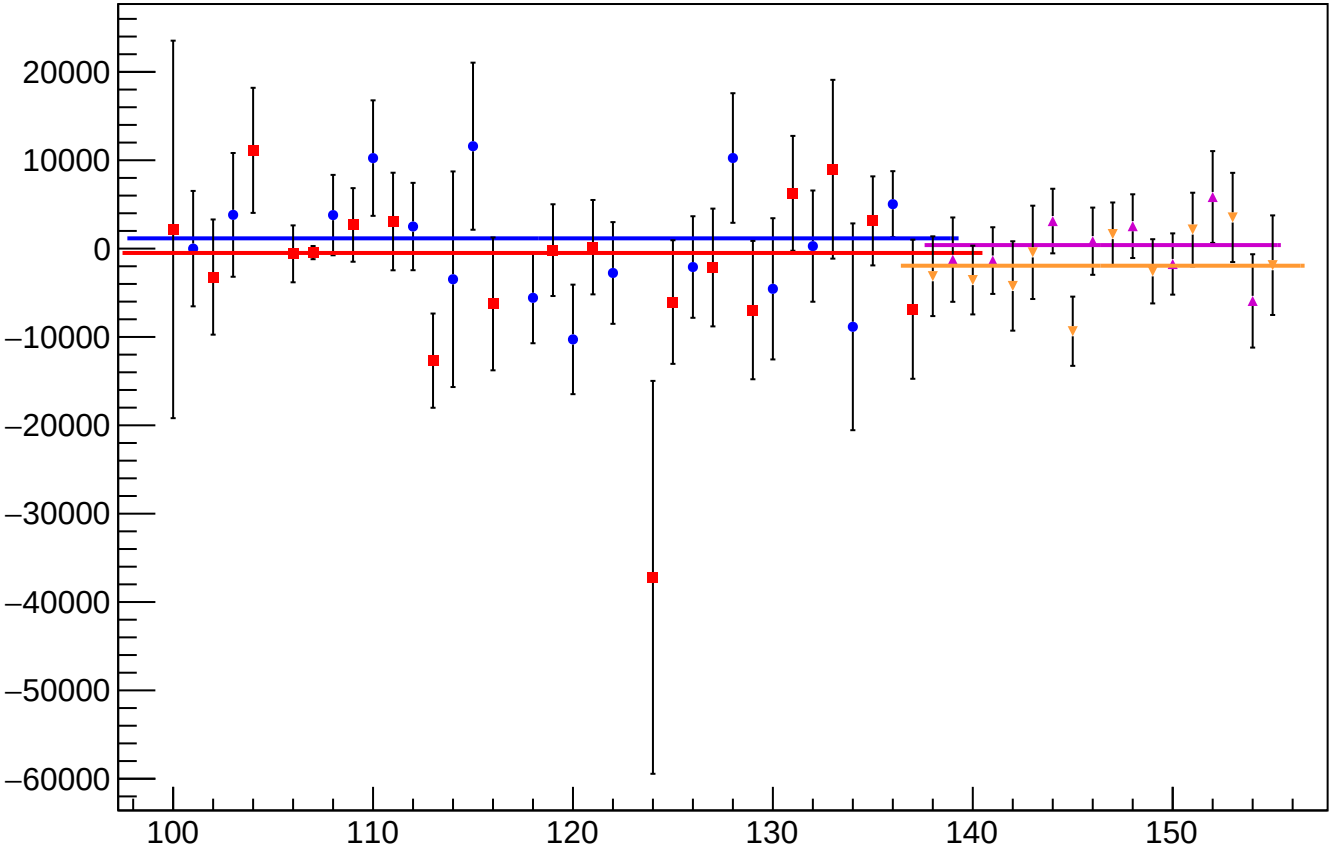
Left In: 1751.120+/-0.468 χ^2/NDF:15756.8/7

+ sign 1777.064+/-0.326 χ^2/NDF: 401917.2/25

All: 1793.249+/-0.235 χ^2/NDF: 709272.6/52

- sign 1810.871+/-0.340 χ^2/NDF: 302192.2/26

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -1936.371+/-1363.829 χ^2/NDF:7.3/9

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

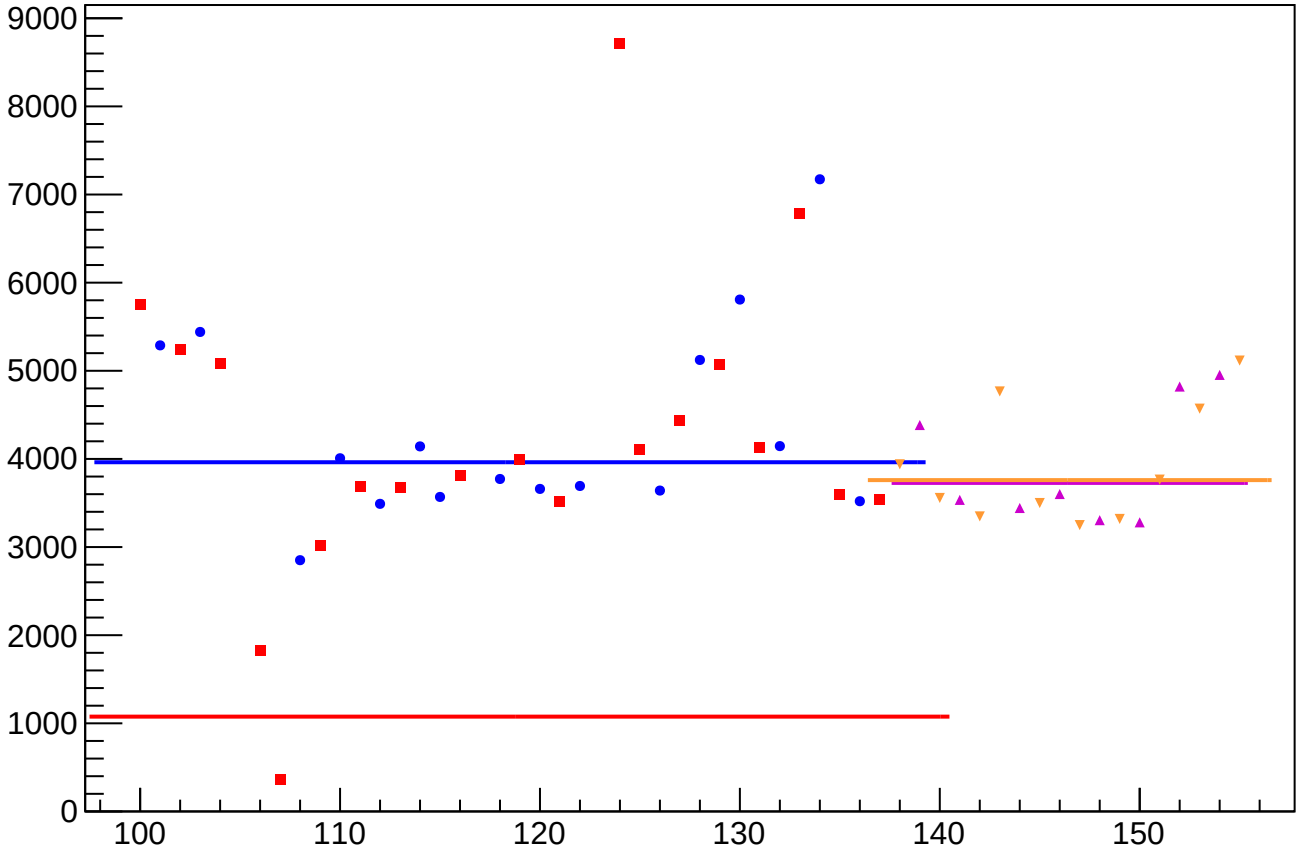
Left In: 398.679+/-1427.209 χ^2/NDF:4.2/7

+ sign -547.021+/-1012.784 χ^2/NDF: 23.3/25

All: -390.849+/-514.894 χ^2/NDF: 44.7/52

- sign -336.415+/-597.933 χ^2/NDF: 21.4/26

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3759.560+/-0.964 χ^2/NDF:340781.4/9

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

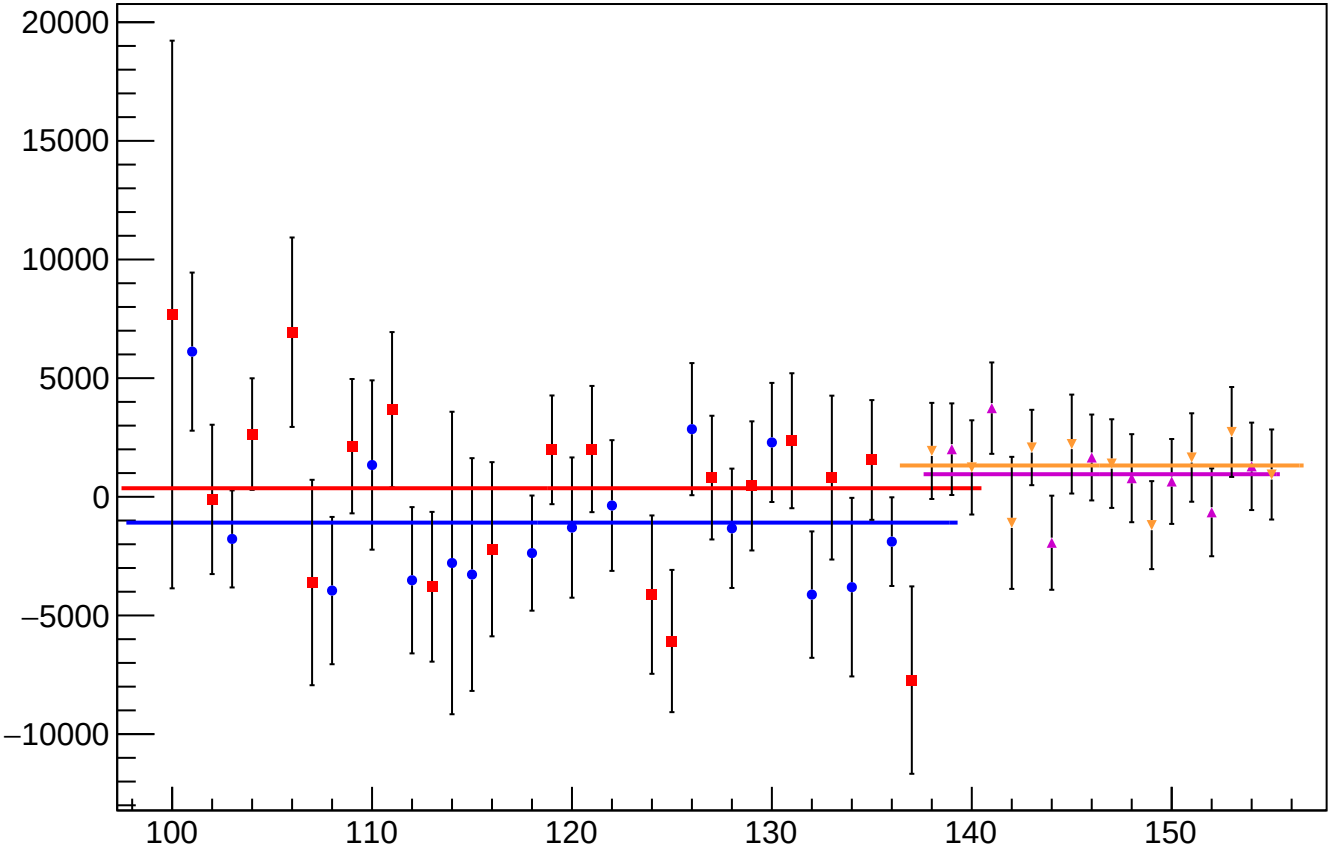
Left In: 3727.929+/-1.009 χ^2/NDF:314344.7/7

+ sign 3850.528+/-0.716 χ^2/NDF: 1028958.1/25

All: 2138.255+/-0.364 χ^2/NDF: 24304306.1/5

- sign 1541.435+/-0.423 χ^2/NDF: 15566128.2/26

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1320.401+/-611.429 χ^2/NDF:3.7/9

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

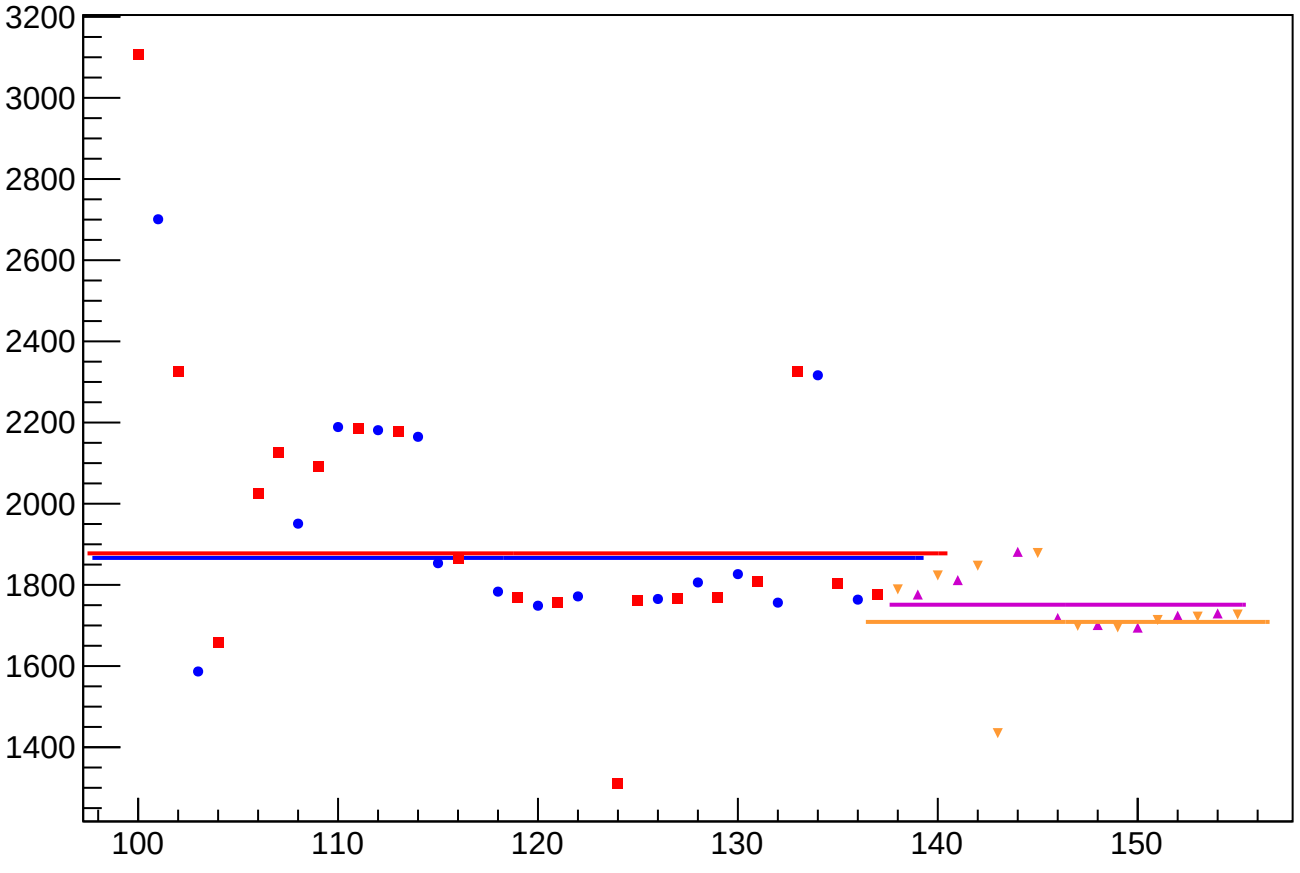
Left In: 952.216+/-661.238 χ^2/NDF:5.5/7

\+ sign 277.523+/-460.376 χ^2/NDF: 23.6/25

All: 466.964+/-332.447 χ^2/NDF: 50.7/52

\- sign 673.394+/-480.576 χ^2/NDF: 26.7/26

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.782+/-0.432 χ^2/NDF:88055.1/9

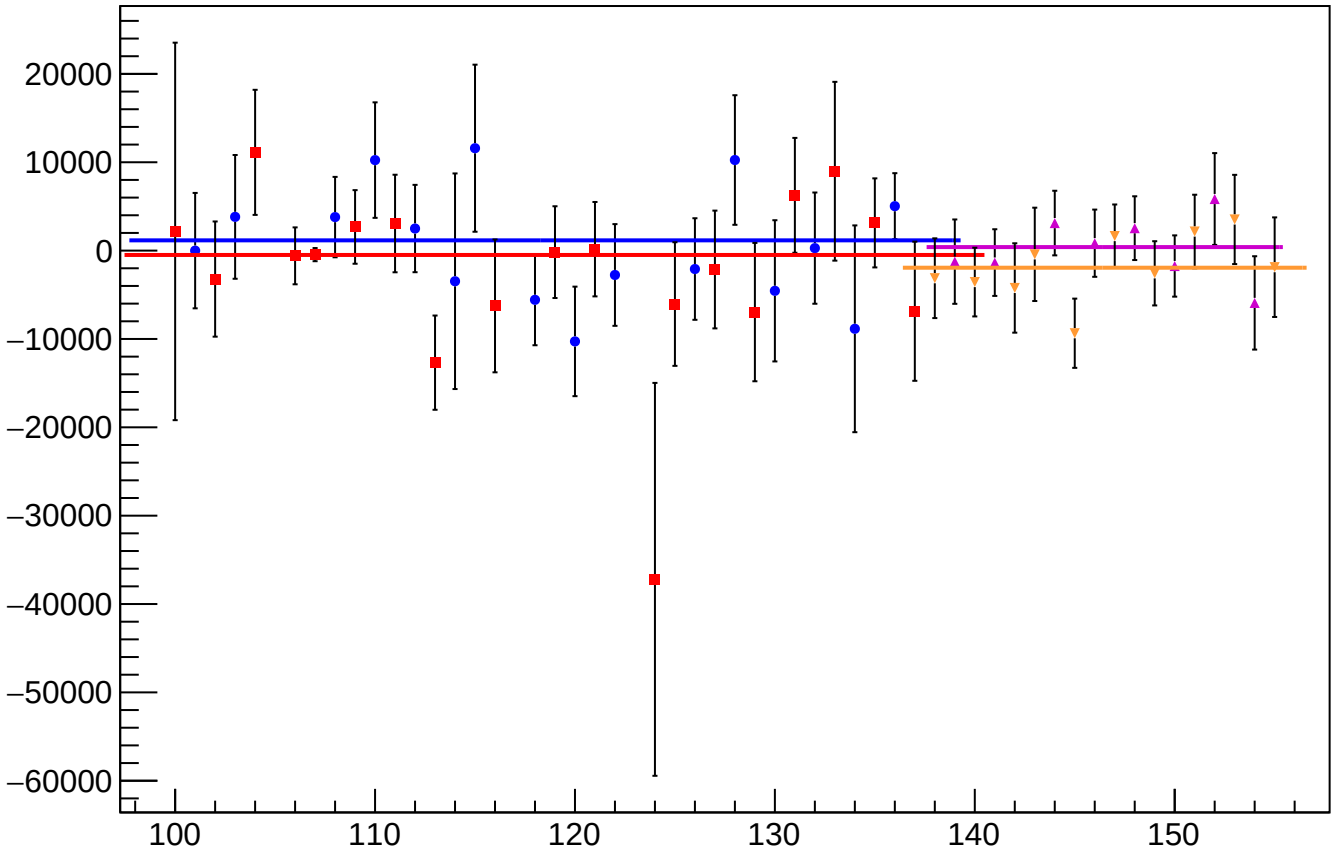
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1751.120+/-0.468 χ^2/NDF:15756.7/7

\+ sign 1777.065+/-0.326 χ^2/NDF: 401915.5/25

All: 1793.249+/-0.235 χ^2/NDF: 709270.7/52

\- sign 1810.872+/-0.340 χ^2/NDF: 302192.1/26



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -1936.370+/-1363.830 χ^2/NDF:7.3/9

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

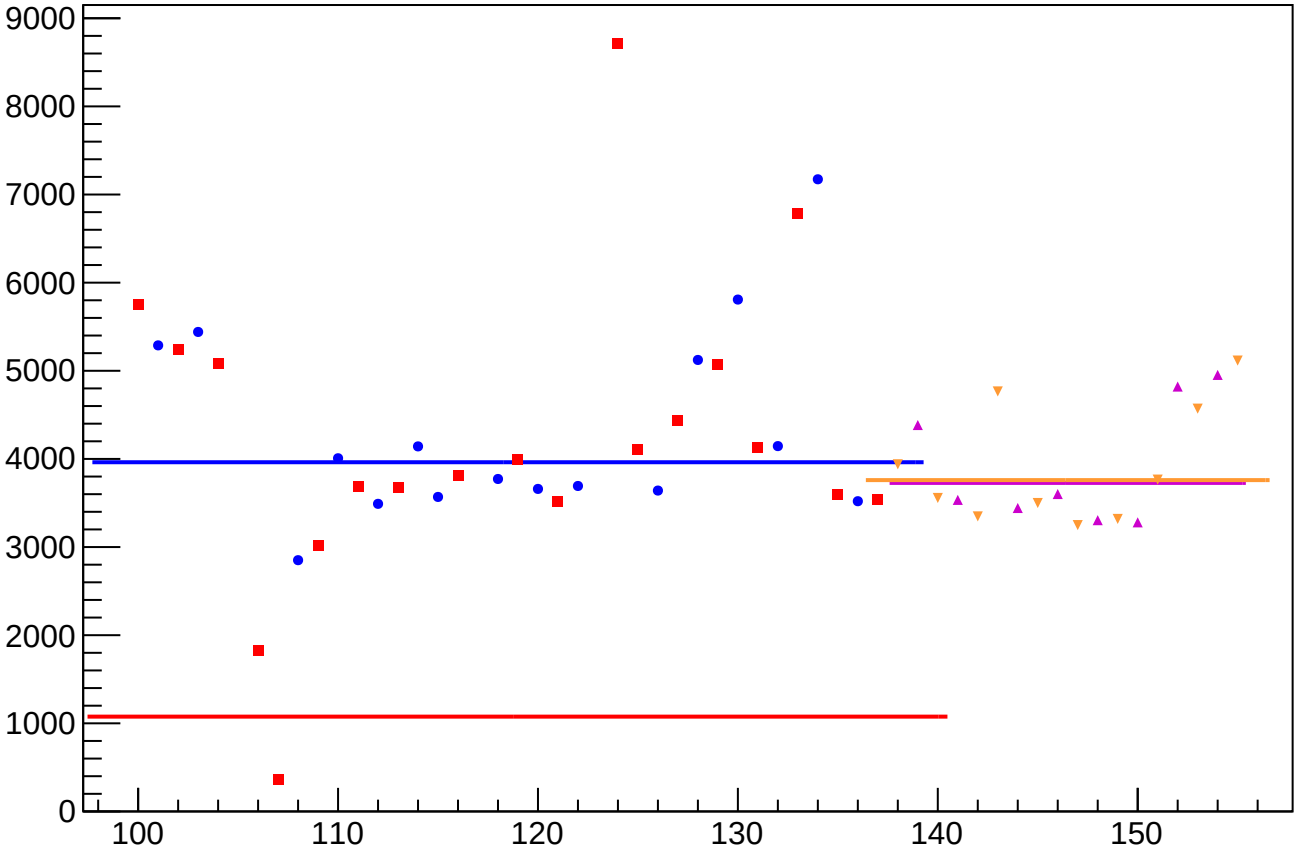
Left In: 398.675+/-1427.210 χ^2/NDF:4.2/7

\+ sign -547.026+/-1012.784 χ^2/NDF: 23.3/25

All: -390.854+/-514.899 χ^2/NDF: 44.7/52

\- sign -336.417+/-597.941 χ^2/NDF: 21.4/26

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3759.564+/-0.964 χ^2/NDF:340779.3/9

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

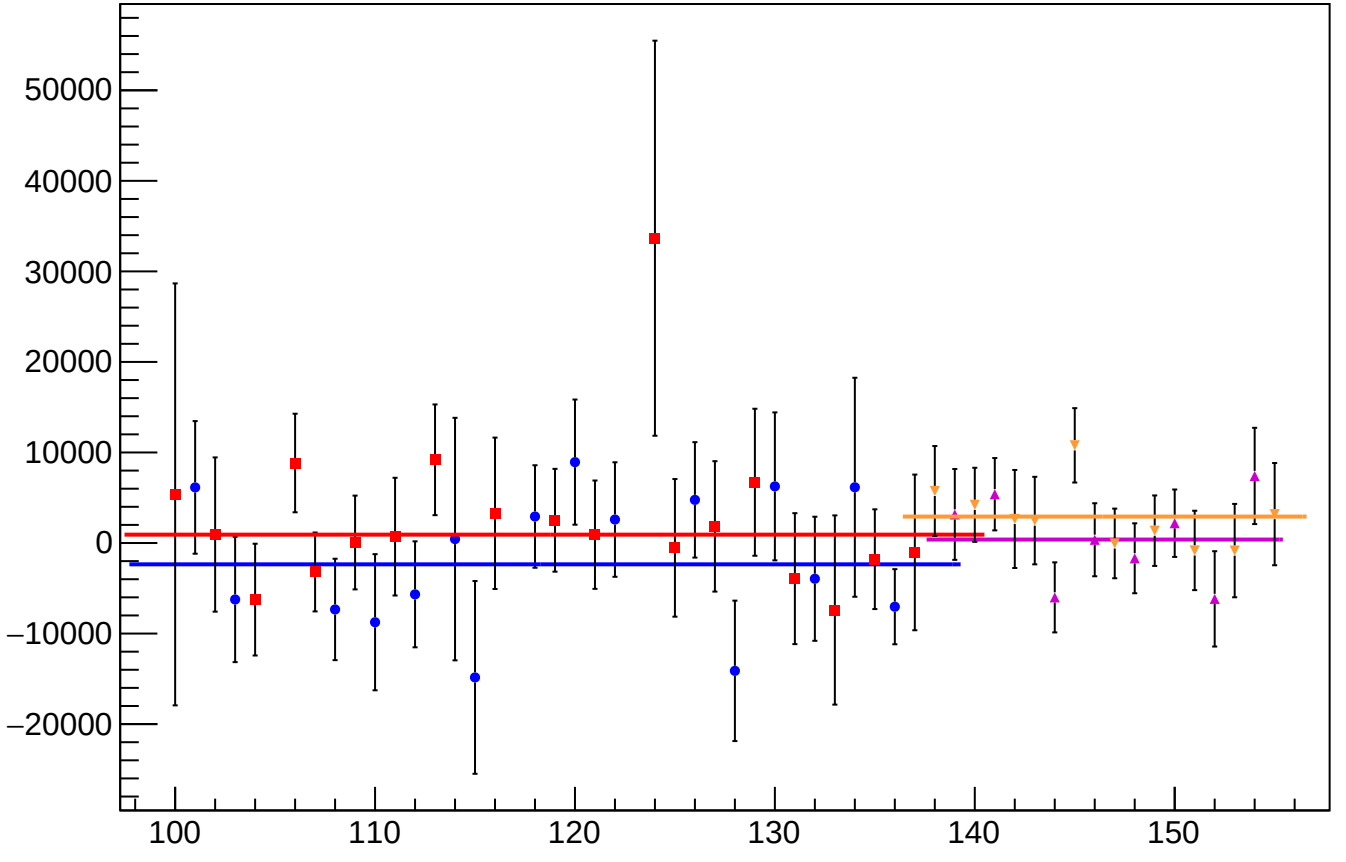
Left In: 3727.934+/-1.009 χ^2/NDF:314343.5/7

+ sign 3850.527+/-0.716 χ^2/NDF: 1028950.4/25

All: 2138.296+/-0.364 χ^2/NDF: 24303704.3/5

- sign 1541.473+/-0.423 χ^2/NDF: 15565841.4/26

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 2919.786+/-1426.792 χ^2/NDF:6.1/9

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

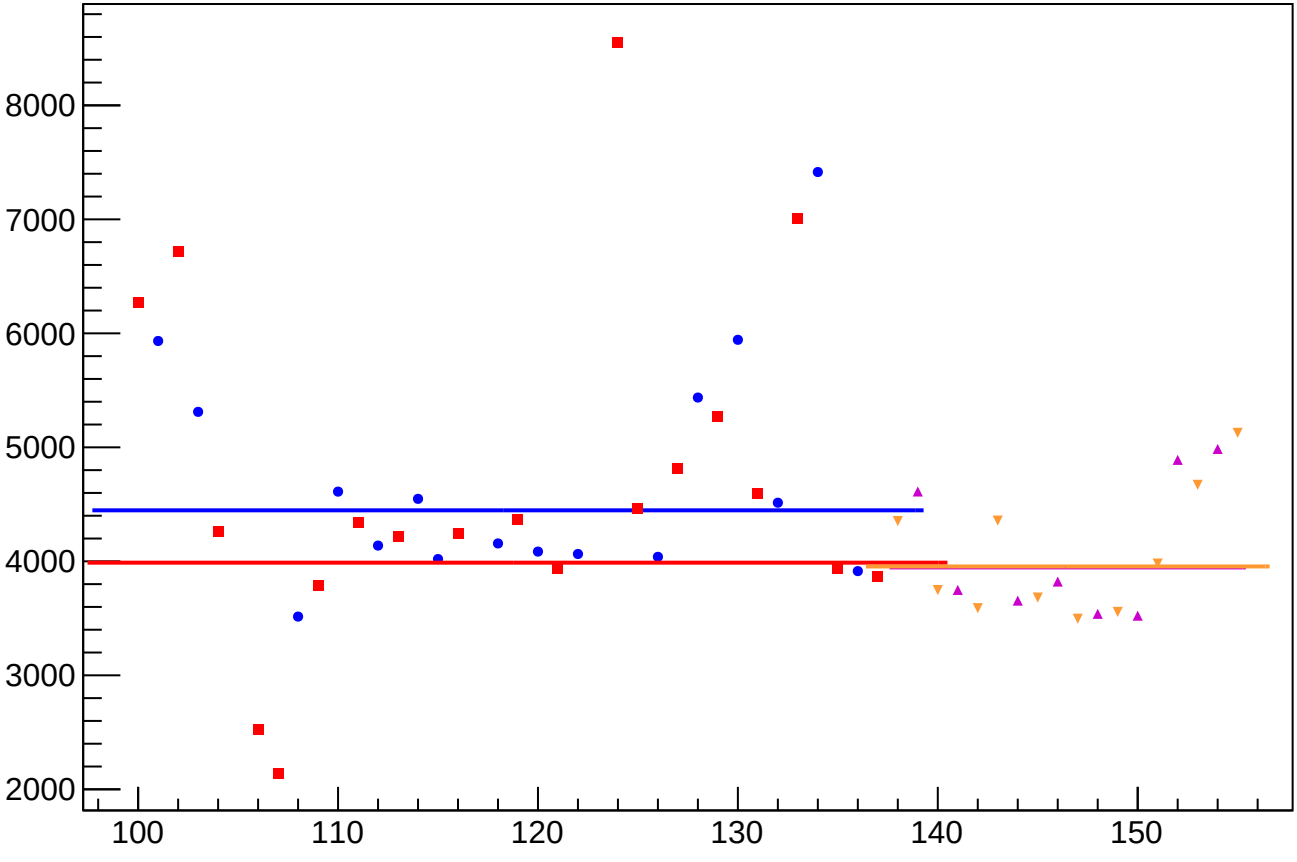
Left In: 381.754+/-1505.141 χ^2/NDF:8.4/7

+ sign 716.822+/-1088.809 χ^2/NDF: 27.4/25

All: 681.031+/-766.324 χ^2/NDF: 46.5/52

- sign 645.897+/-1078.753 χ^2/NDF: 19.1/26

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3955.140+/-1.009 χ^2/NDF:224153.1/9

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

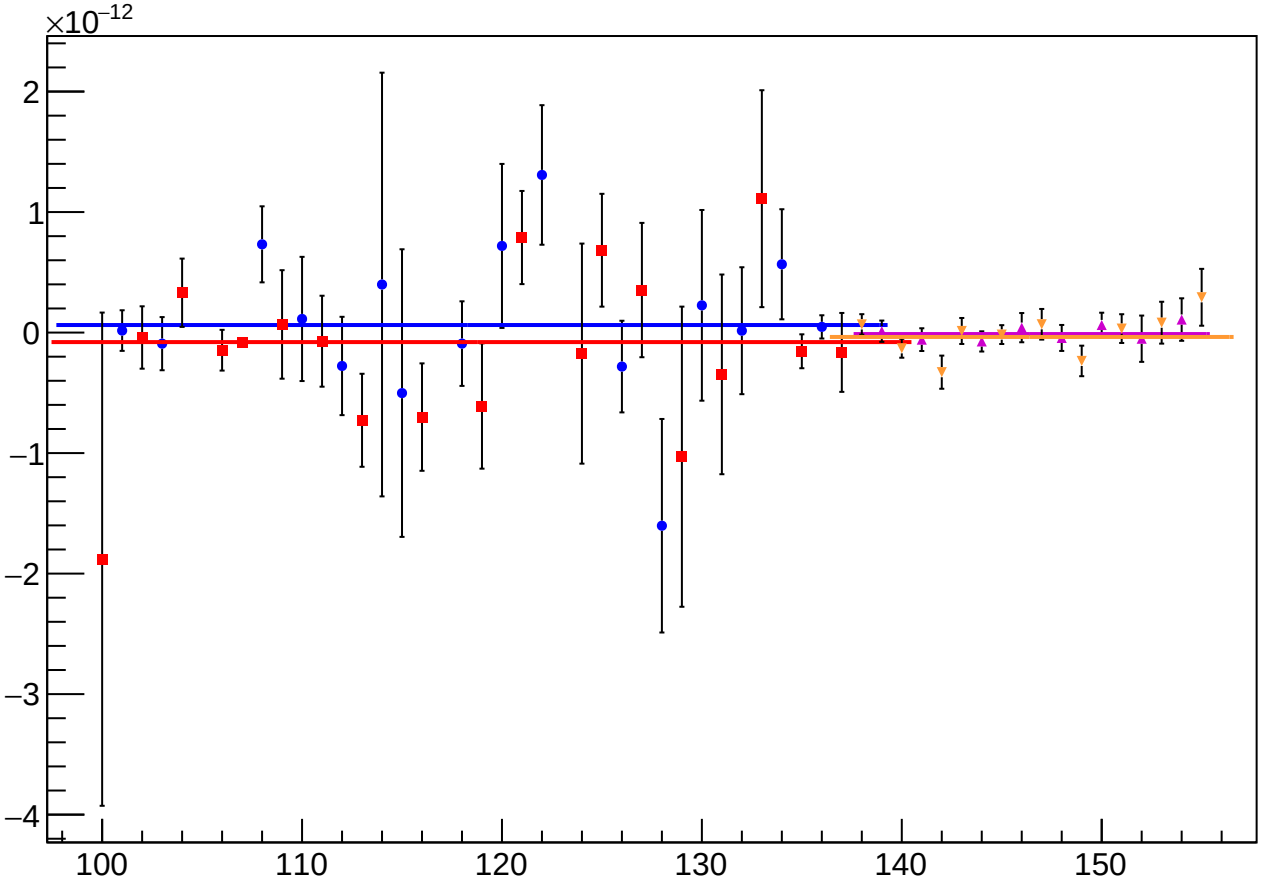
Left In: 3946.578+/-1.064 χ^2/NDF:242149.2/7

+ sign 4160.743+/-0.770 χ^2/NDF: 781842.9/25

All: 4062.527+/-0.541 χ^2/NDF: 2200771.5/52

- sign 3967.051+/-0.759 χ^2/NDF: 1386834.7/26

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:13.6/9

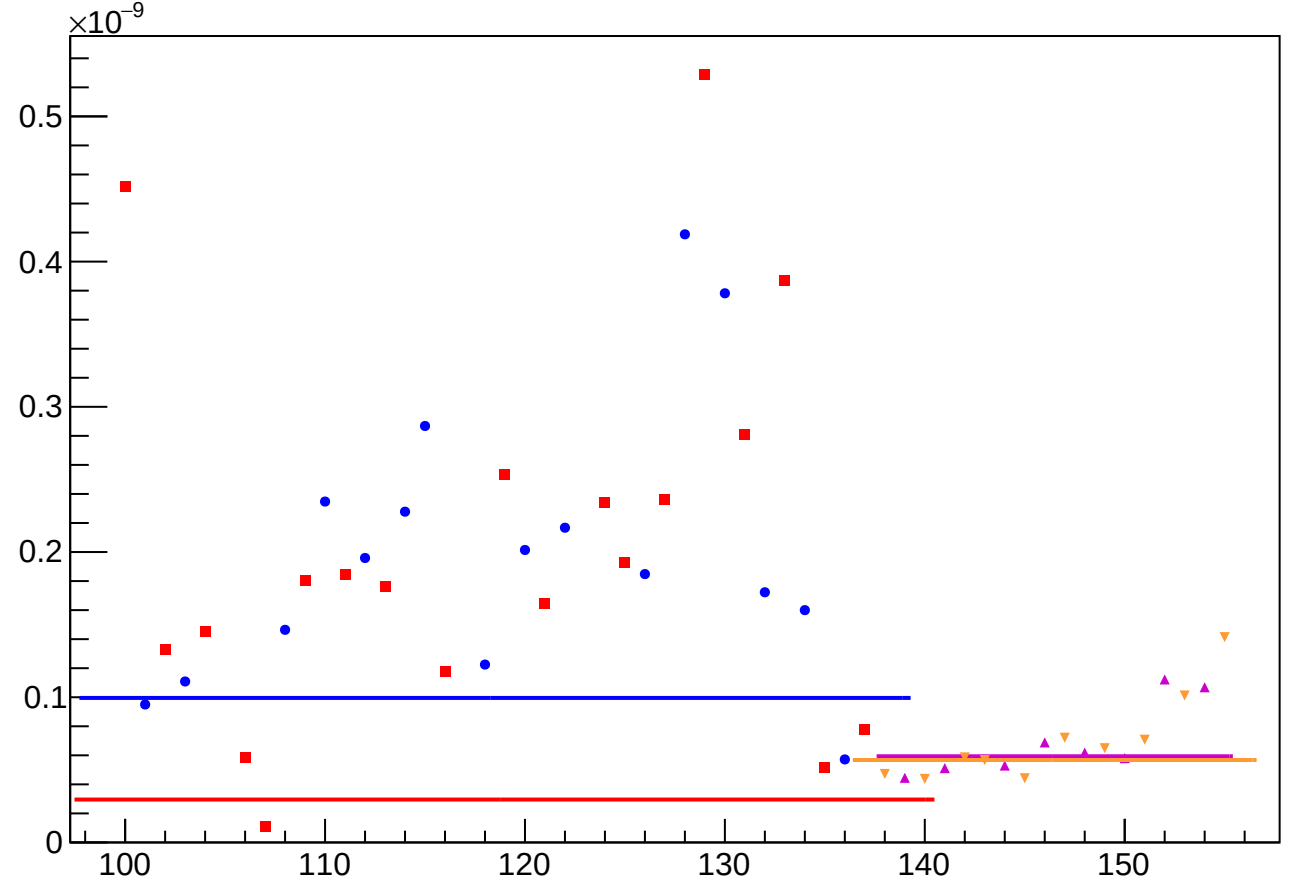
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/25

All: -0.000+/-0.000 χ^2/NDF: 57.5/52

- sign -0.000+/-0.000 χ^2/NDF: 24.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:585633.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

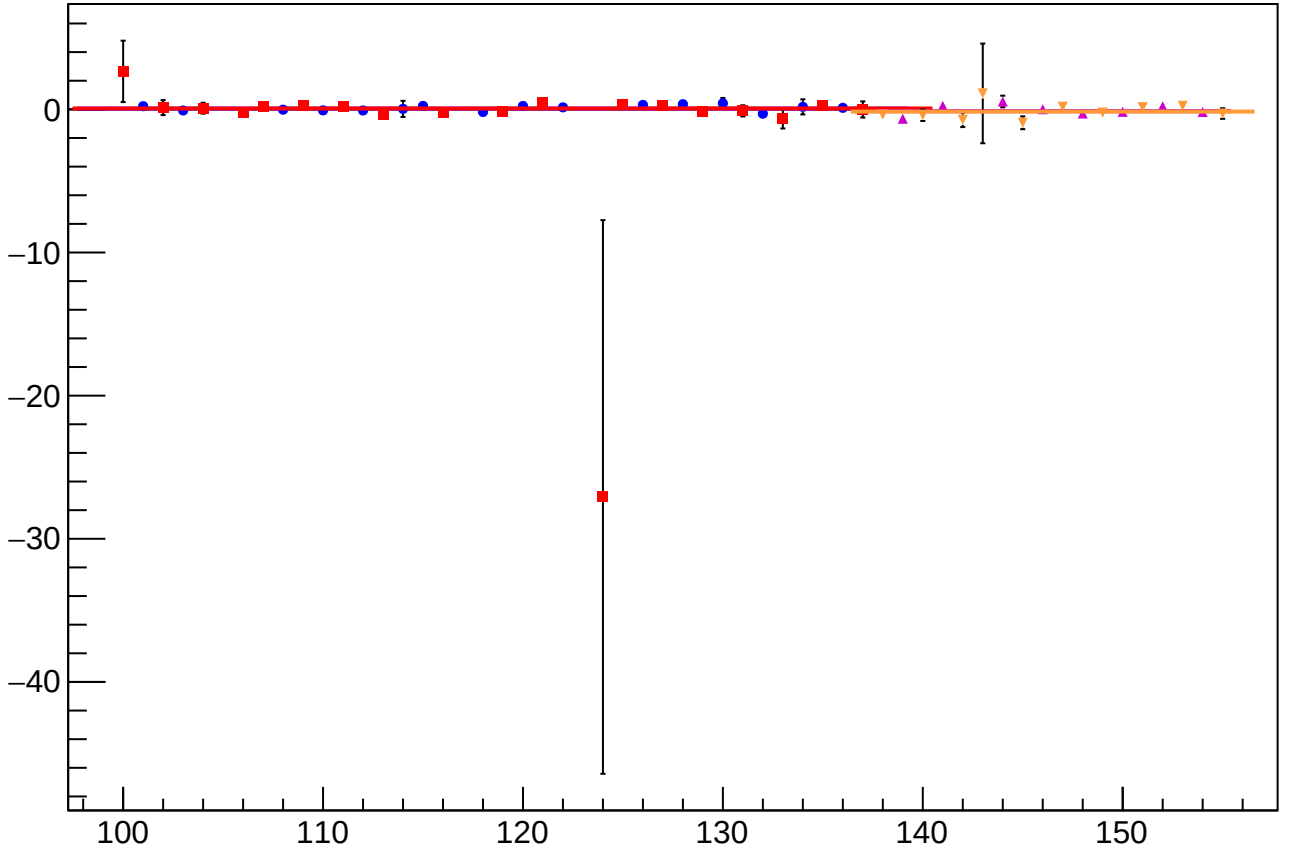
Left In: 0.000+/-0.000 χ^2/NDF:393616.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 2777678.9/25

All: 0.000+/-0.000 χ^2/NDF: 8903106.6/52

- sign 0.000+/-0.000 χ^2/NDF: 5452375.1/26

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.155+/-0.112 χ^2/NDF:9.6/9

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

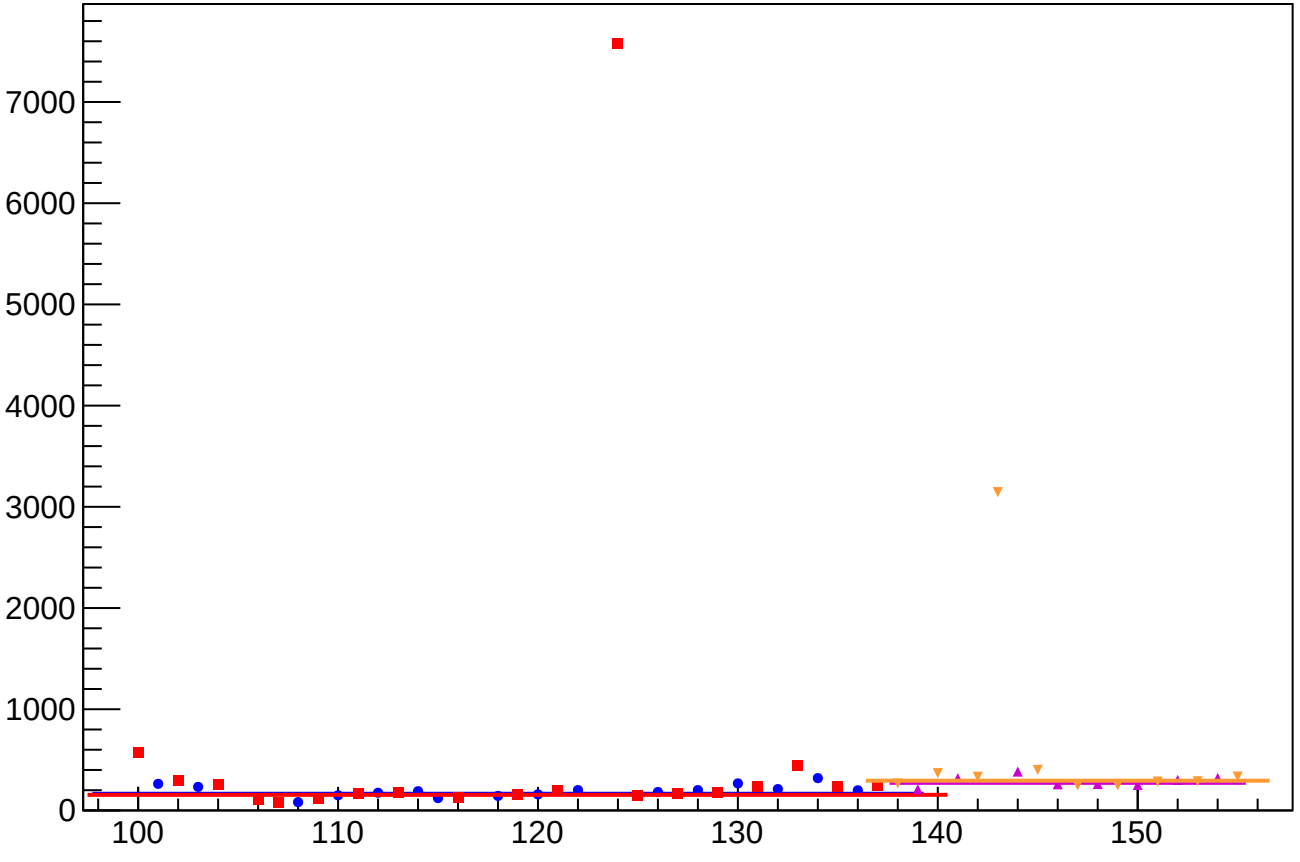
Left In: -0.125+/-0.106 χ^2/NDF:10.5/7

+ sign -0.005+/-0.057 χ^2/NDF: 19.7/25

All: 0.003+/-0.040 χ^2/NDF: 50.9/52

- sign 0.011+/-0.055 χ^2/NDF: 31.2/26

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 294.100+/-0.079 χ^2/NDF:1690130.5/9

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

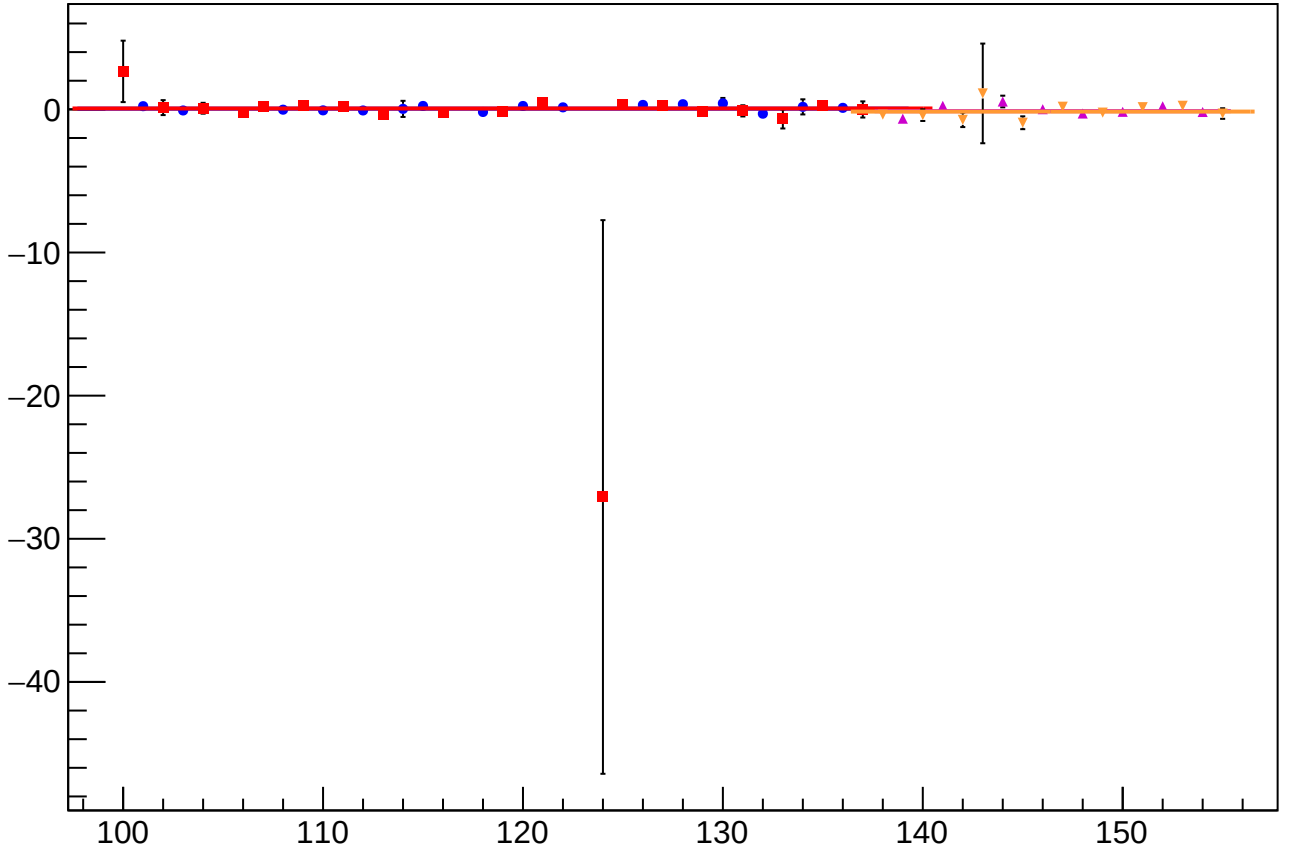
Left In: 272.886+/-0.075 χ^2/NDF:404806.3/7

+ sign 198.469+/-0.040 χ^2/NDF: 5134690.0/25

All: 192.247+/-0.028 χ^2/NDF: 9340173.1/52

- sign 186.479+/-0.039 χ^2/NDF: 4159754.5/26

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: -0.155+/-0.112 χ^2/NDF:9.6/9

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

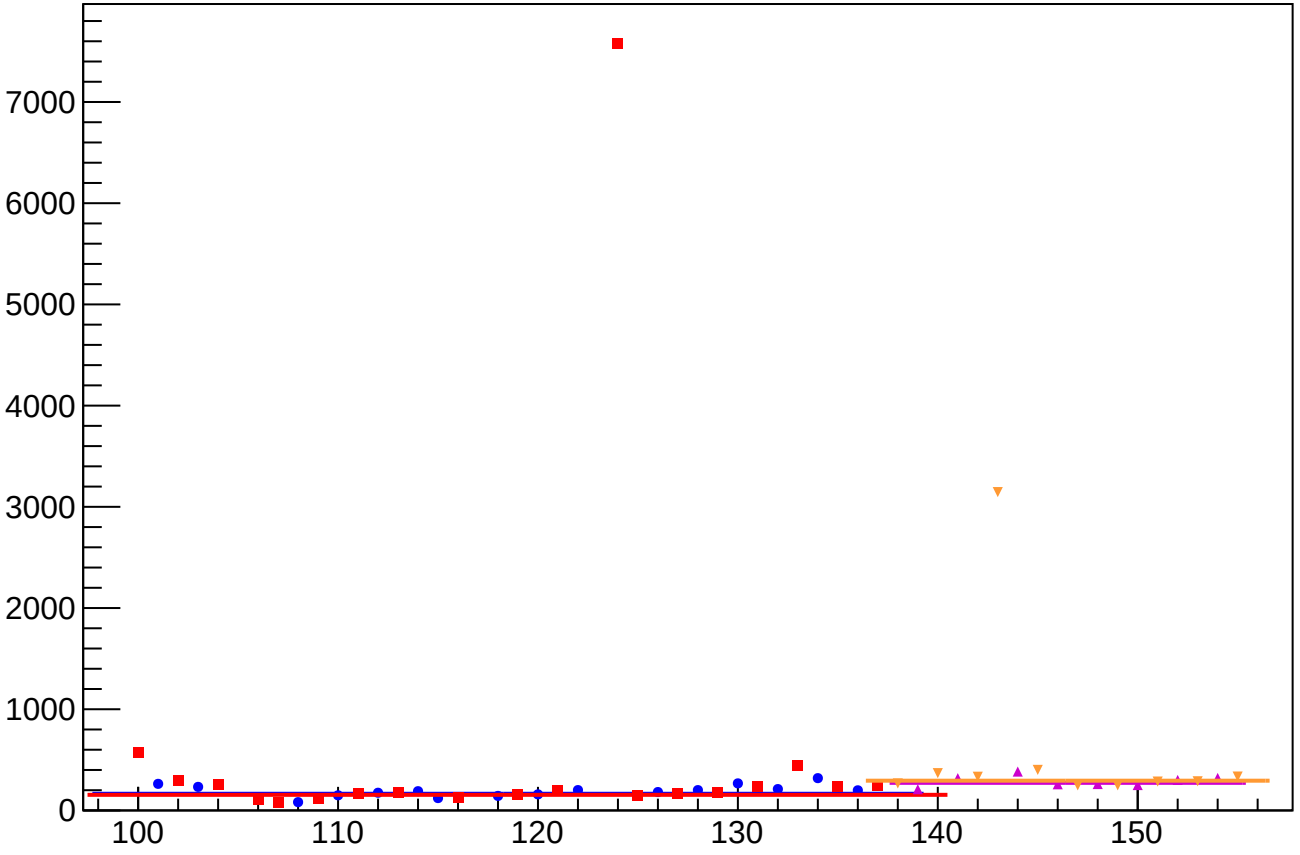
Left In: -0.125+/-0.106 χ^2/NDF:10.5/7

+ sign -0.005+/-0.057 χ^2/NDF: 19.7/25

All: 0.003+/-0.040 χ^2/NDF: 50.9/52

- sign 0.011+/-0.055 χ^2/NDF: 31.2/26

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: 294.100+/-0.079 χ^2/NDF:1690130.5/9

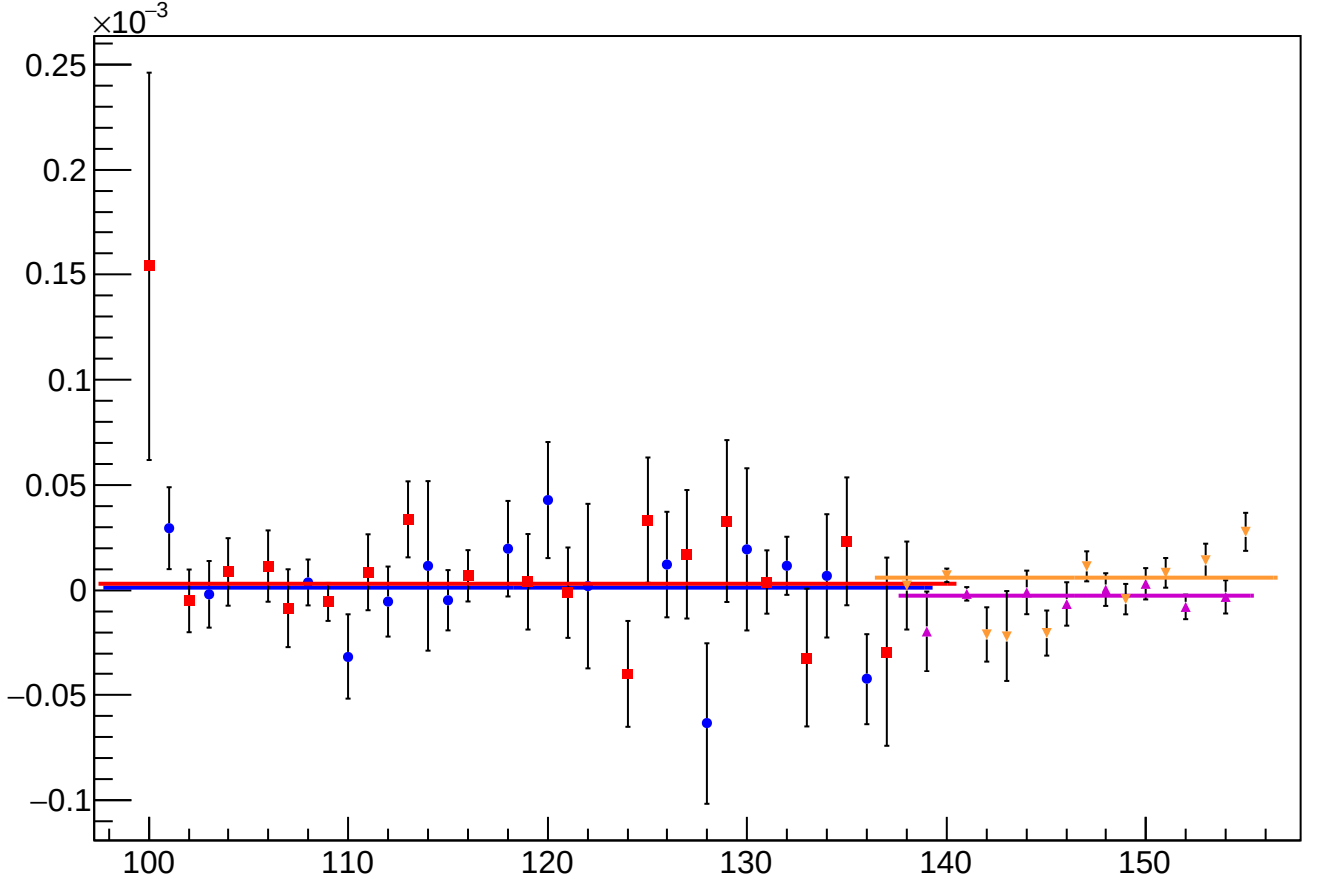
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 272.886+/-0.075 χ^2/NDF:404806.3/7

+ sign 198.469+/-0.040 χ^2/NDF: 5134690.0/25

All: 192.247+/-0.028 χ^2/NDF: 9340173.1/52

- sign 186.479+/-0.039 χ^2/NDF: 4159754.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/9

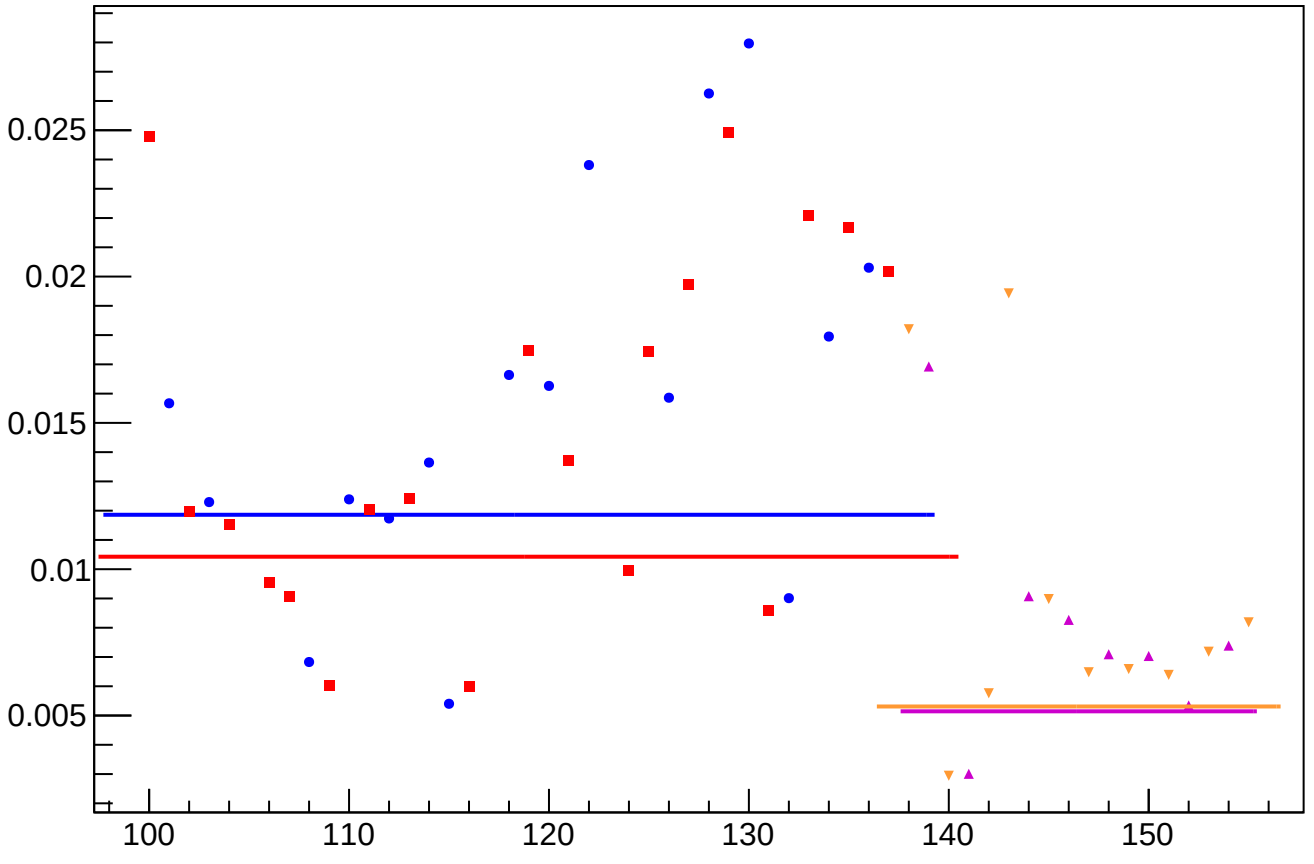
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/25

All: 0.000+/-0.000 χ^2/NDF: 62.6/52

- sign -0.000+/-0.000 χ^2/NDF: 18.6/26



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:3422087.8/9

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

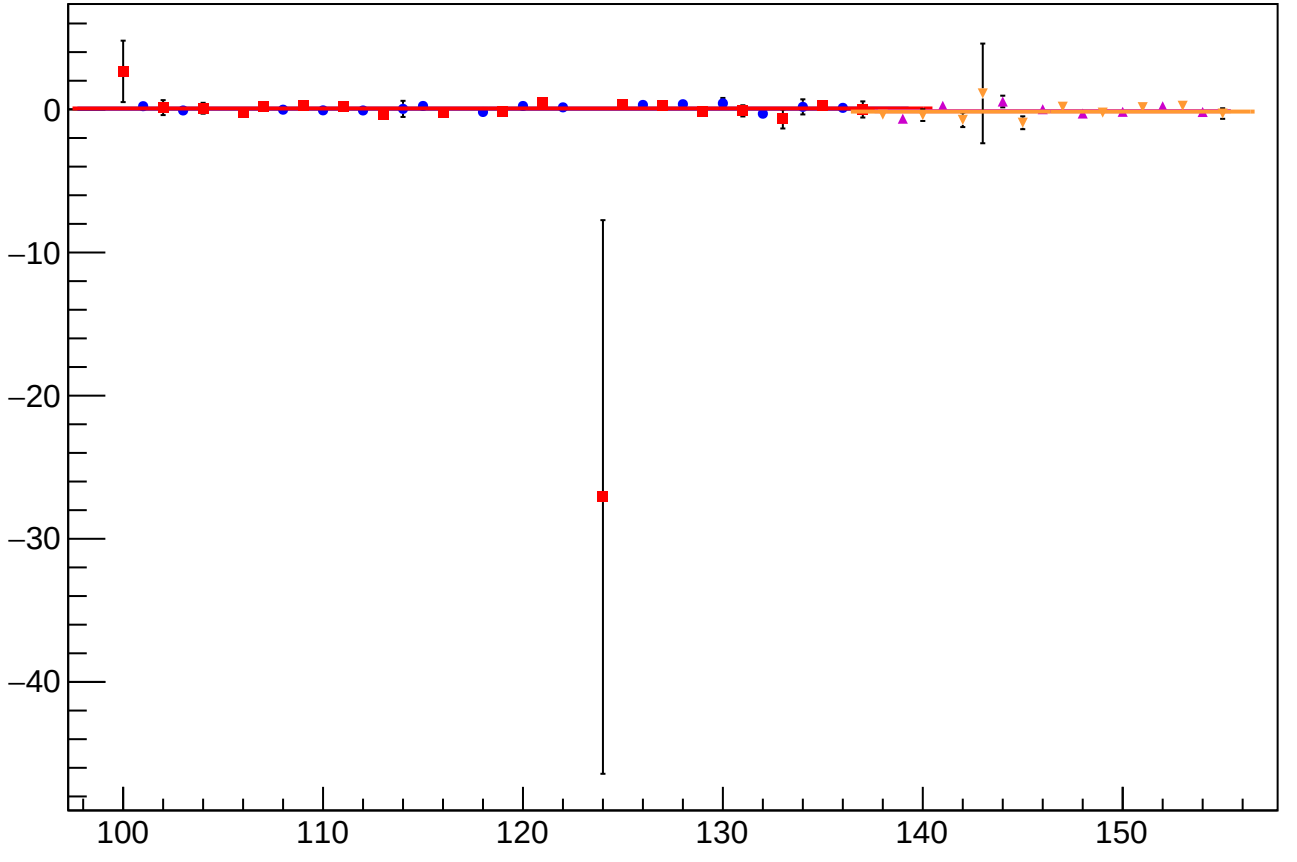
Left In: 0.005+/-0.000 χ^2/NDF:2557844.7/7

+ sign 0.006+/-0.000 χ^2/NDF: 8823213.0/25

All: 0.006+/-0.000 χ^2/NDF: 16169968.1/52

- sign 0.006+/-0.000 χ^2/NDF: 7342262.2/26

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: -0.155+/-0.112 χ^2/NDF:9.6/9

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

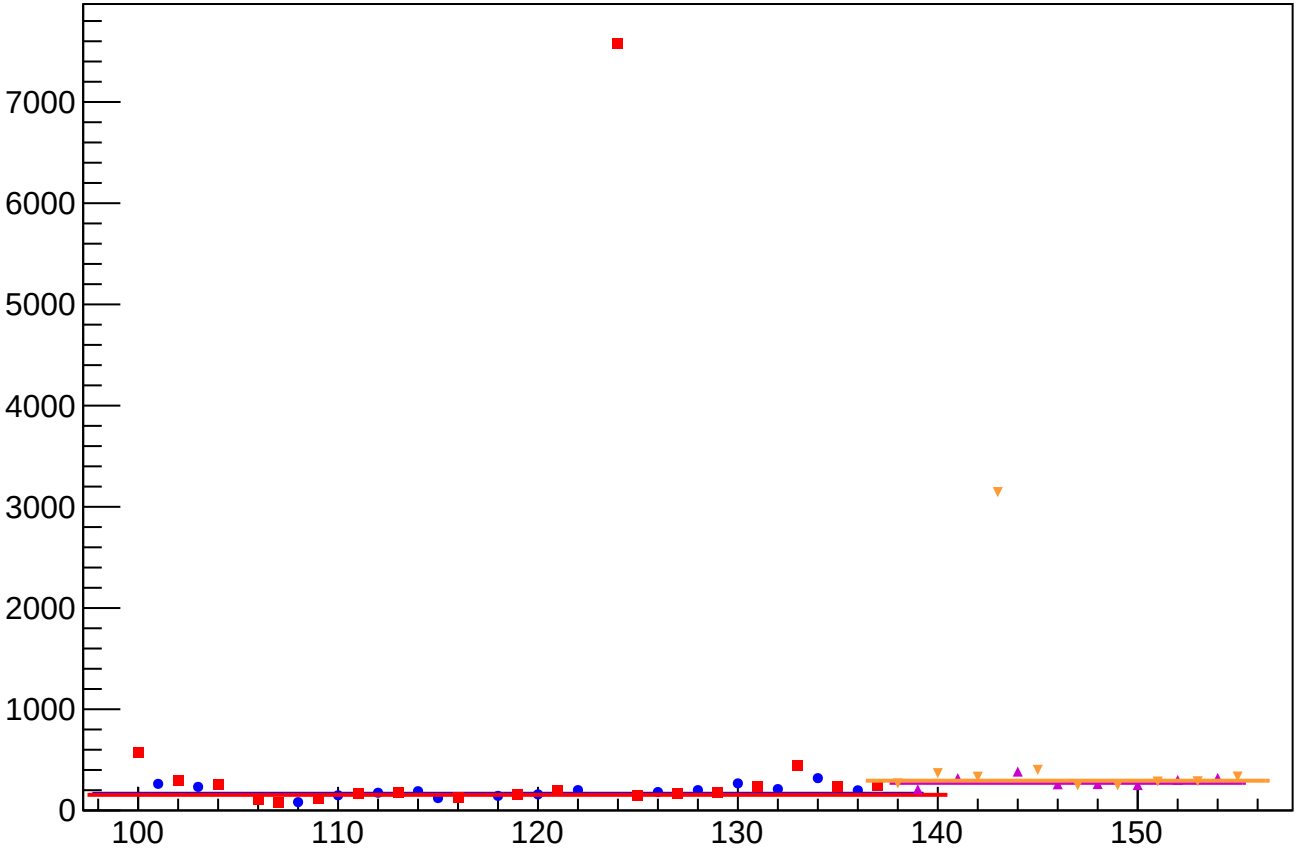
Left In: -0.125+/-0.106 χ^2/NDF:10.5/7

+ sign -0.005+/-0.057 χ^2/NDF: 19.7/25

All: 0.003+/-0.040 χ^2/NDF: 50.9/52

- sign 0.011+/-0.055 χ^2/NDF: 31.2/26

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: 294.103+/-0.079 χ^2/NDF:1690108.2/9

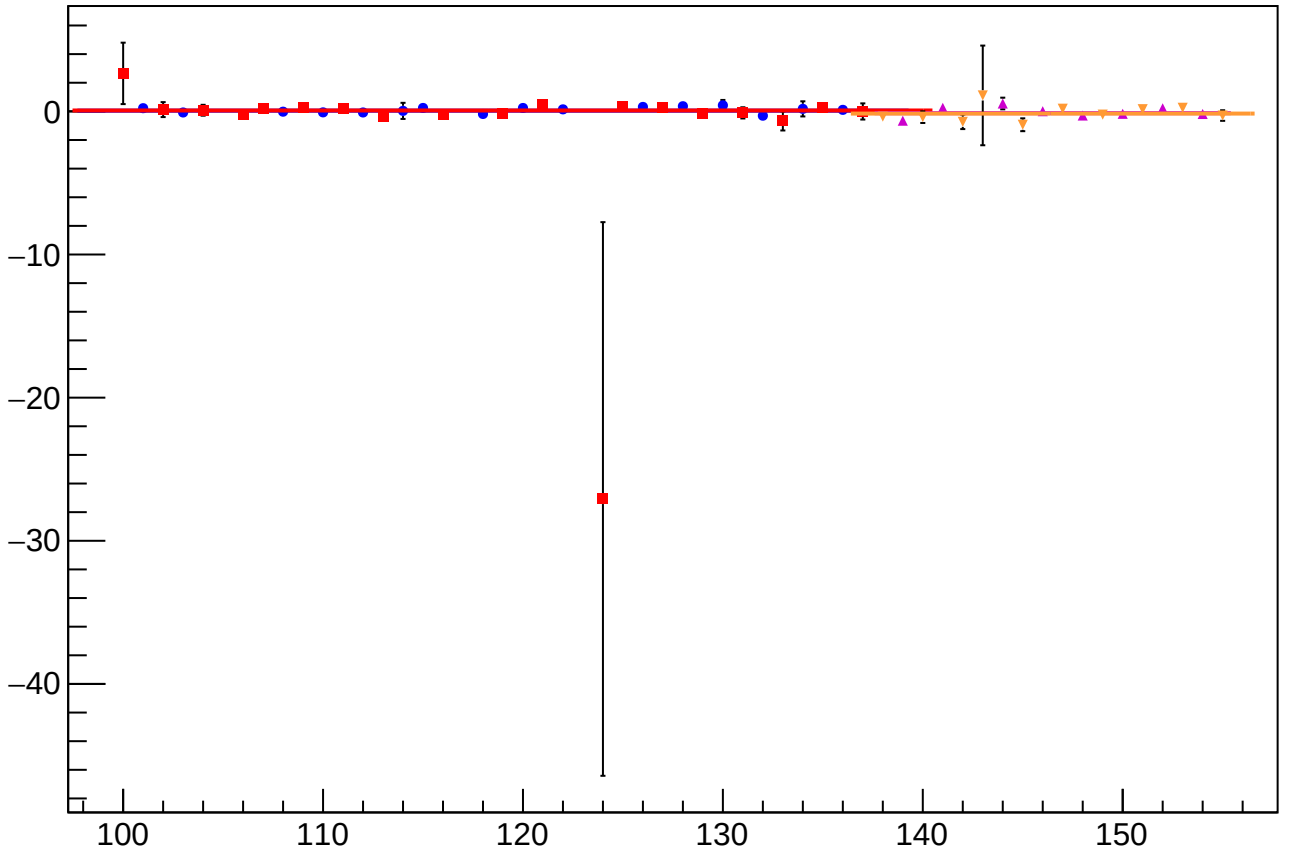
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 272.889+/-0.075 χ^2/NDF:404780.7/7

+ sign 198.469+/-0.040 χ^2/NDF: 5134724.9/25

All: 192.247+/-0.028 χ^2/NDF: 9340289.5/52

- sign 186.479+/-0.039 χ^2/NDF: 4159836.5/26



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.155+/-0.112 χ^2/NDF:9.6/9

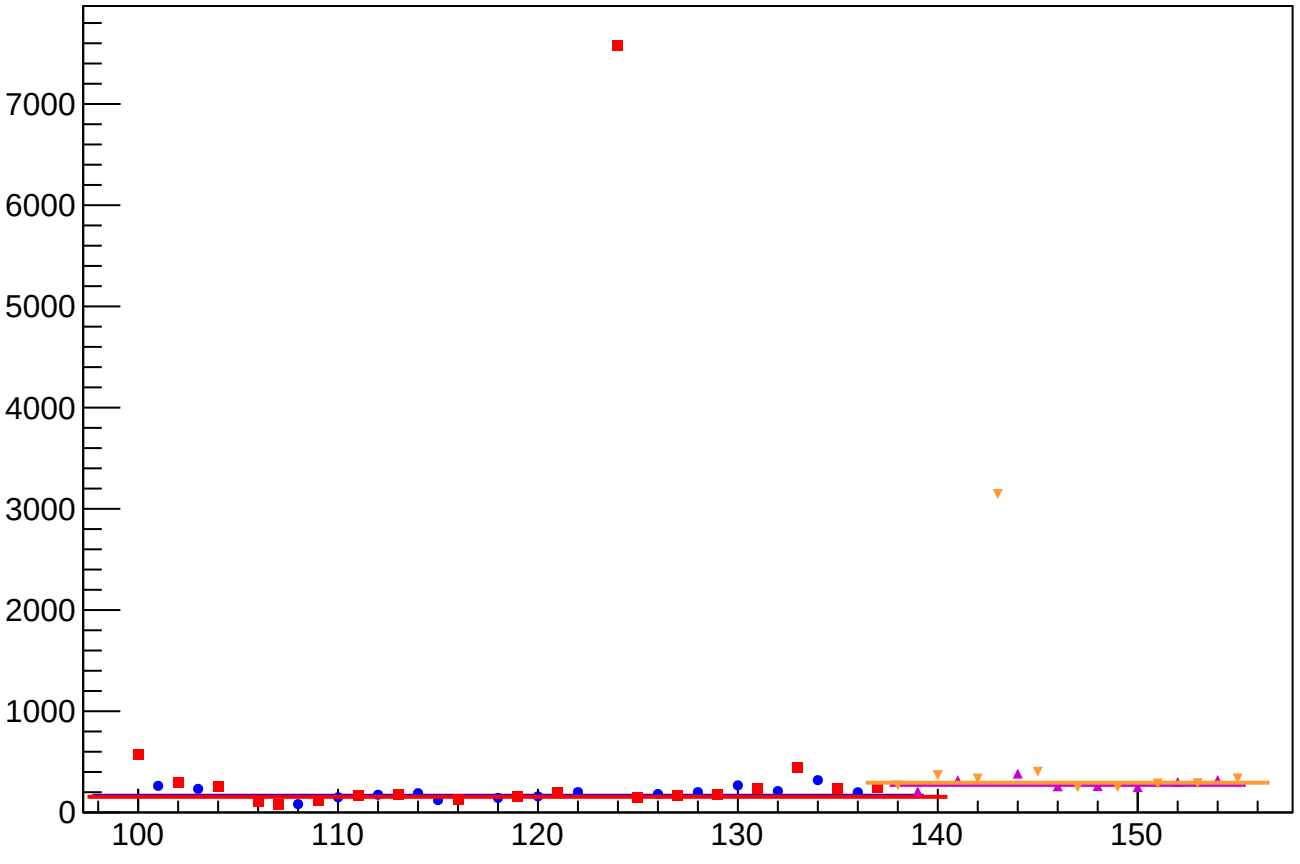
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.125+/-0.106 χ^2/NDF:10.5/7

+ sign -0.005+/-0.057 χ^2/NDF: 19.7/25

All: 0.003+/-0.040 χ^2/NDF: 50.9/52

- sign 0.011+/-0.055 χ^2/NDF: 31.2/26



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 294.103+/-0.079 χ^2/NDF:1690108.2/9

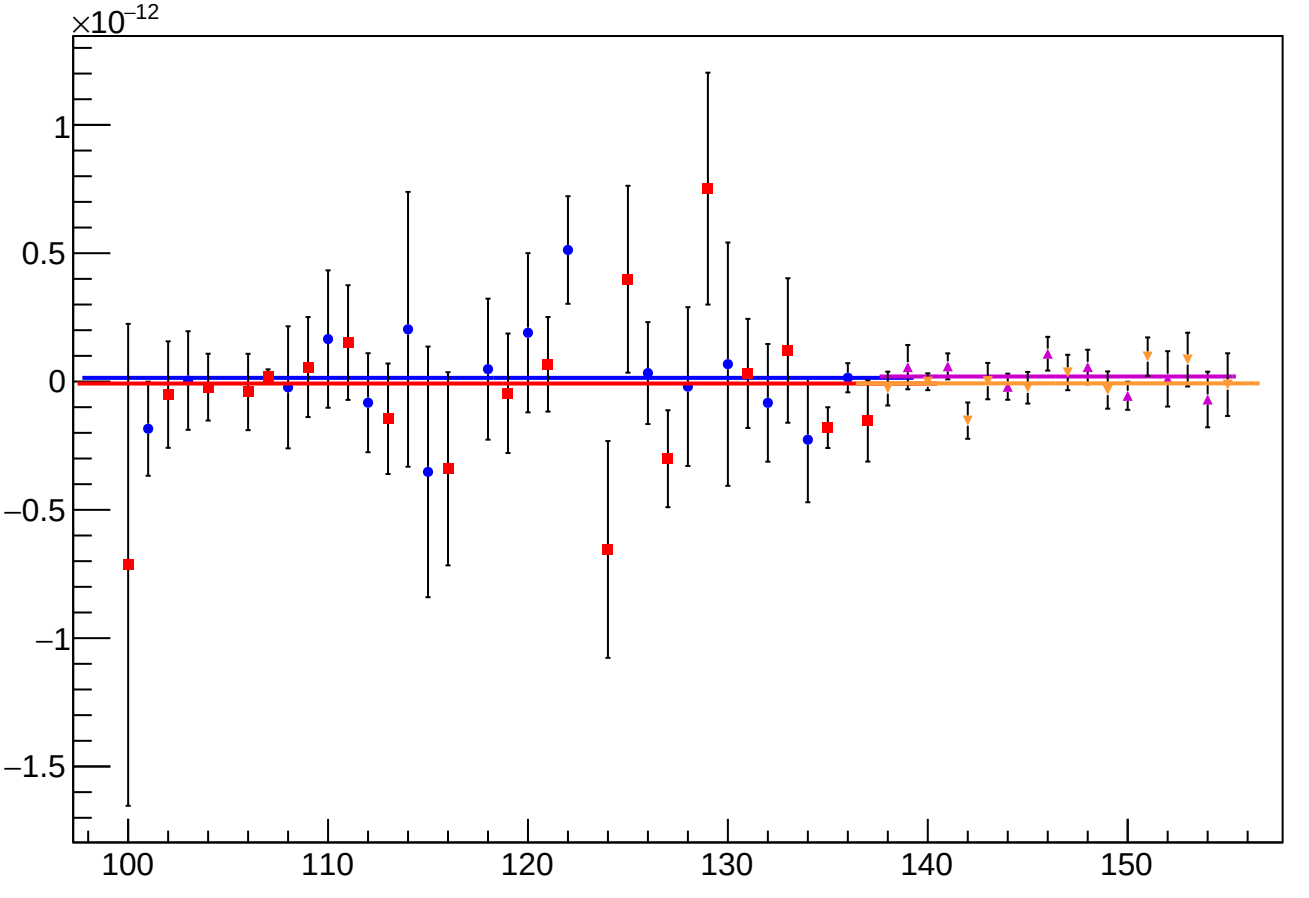
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 272.889+/-0.075 χ^2/NDF:404780.7/7

+ sign 198.469+/-0.040 χ^2/NDF: 5134724.9/25

All: 192.247+/-0.028 χ^2/NDF: 9340289.5/52

- sign 186.479+/-0.039 χ^2/NDF: 4159836.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/9

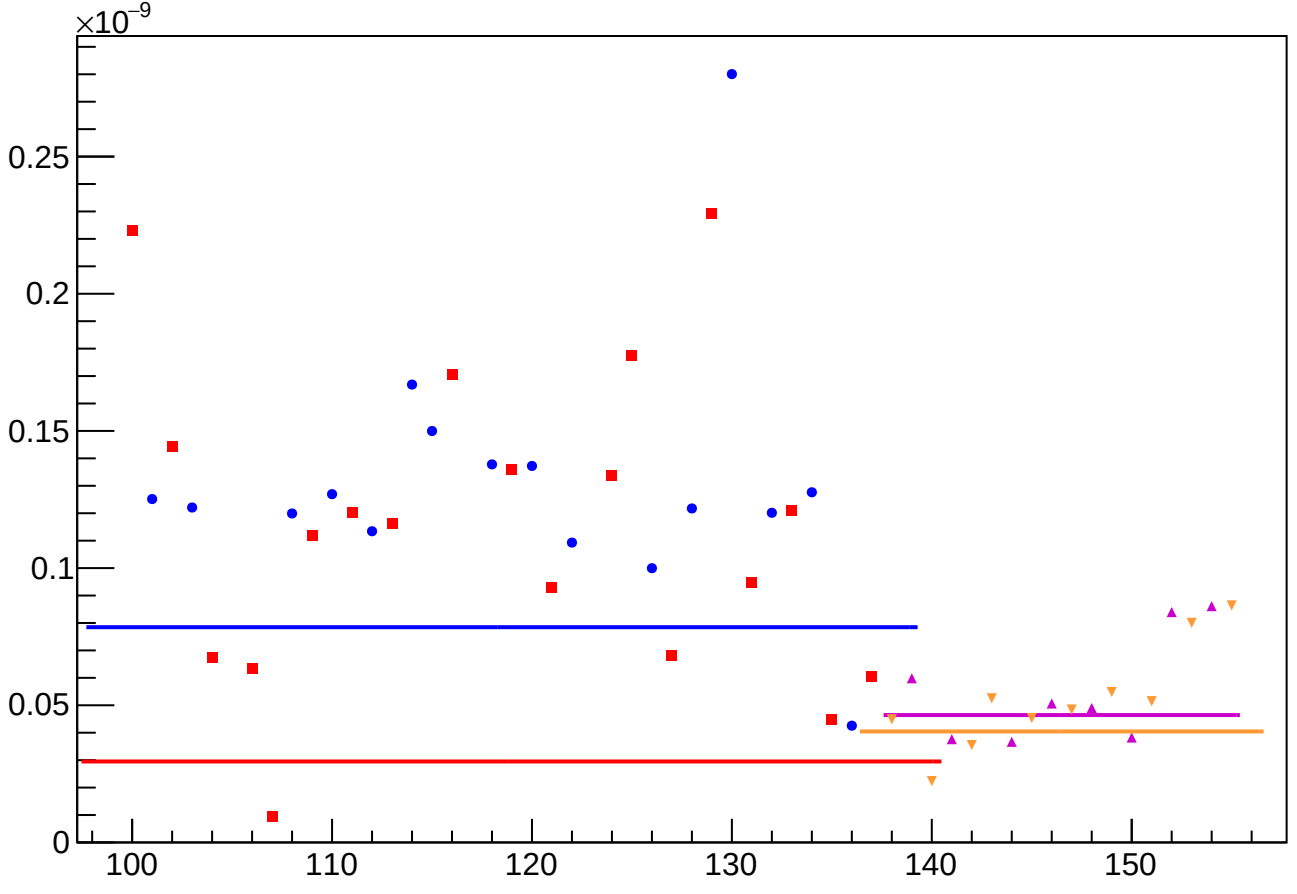
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/7

+ sign -0.000+/-0.000 χ^2/NDF: 17.5/25

All: 0.000+/-0.000 χ^2/NDF: 42.8/52

- sign 0.000+/-0.000 χ^2/NDF: 25.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1415527.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

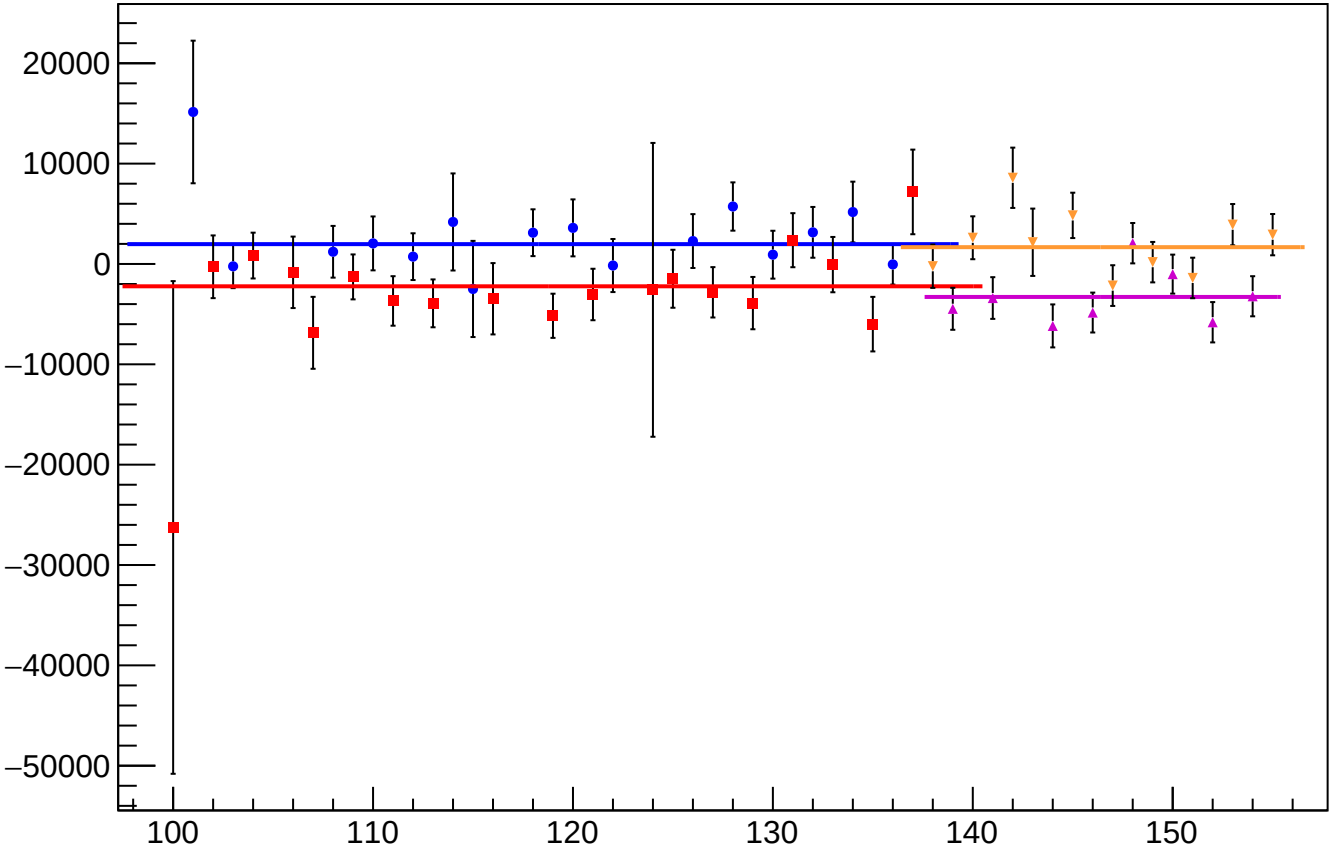
Left In: 0.000+/-0.000 χ^2/NDF:748769.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 4838099.0/25

All: 0.000+/-0.000 χ^2/NDF: 11910816.2/52

- sign 0.000+/-0.000 χ^2/NDF: 6775485.4/26

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1673.865+/-700.910 χ^2/NDF:16.2/9

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

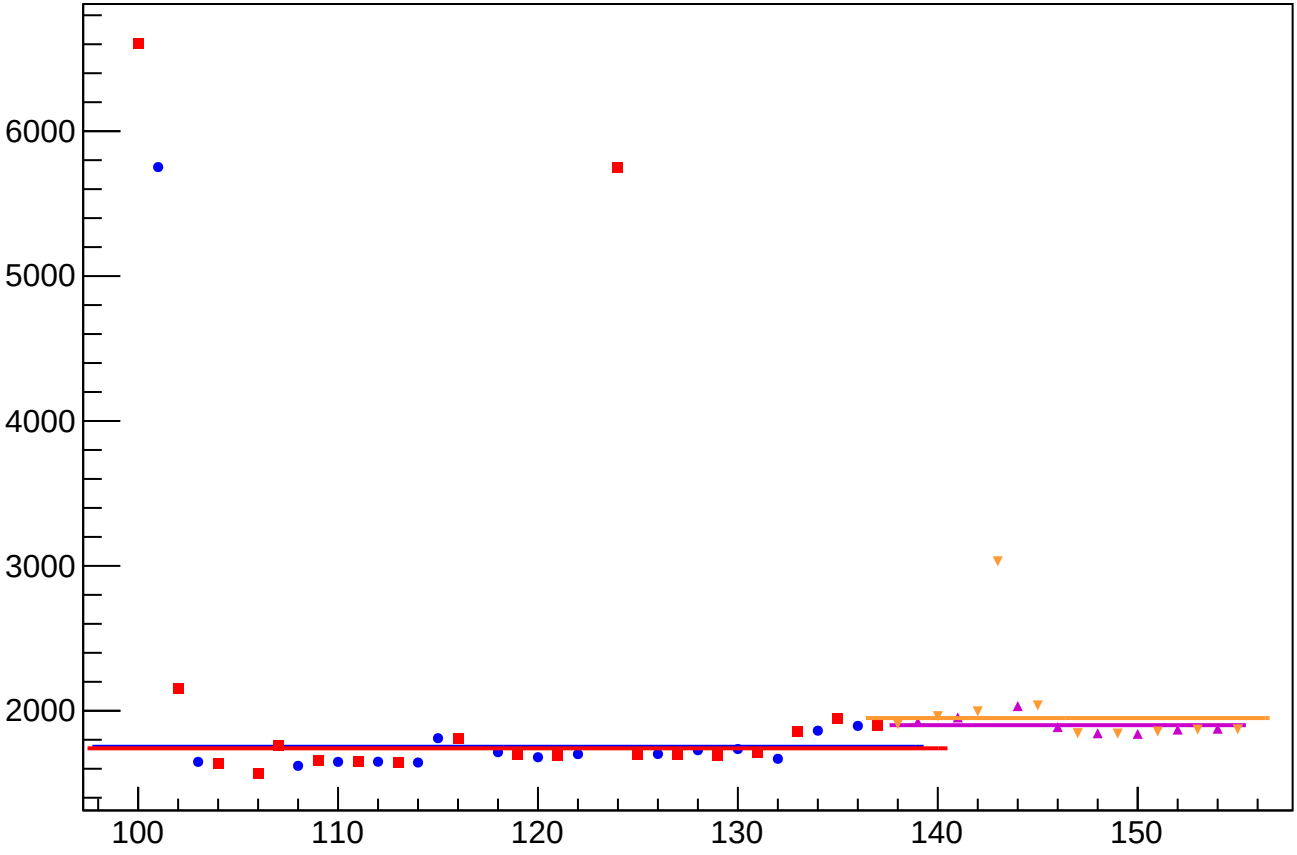
Left In: -3286.203+/-717.730 χ^2/NDF:12.8/7

+ sign 1832.414+/-483.453 χ^2/NDF: 28.4/25

All: -434.104+/-342.163 χ^2/NDF: 105.4/52

- sign -2708.879+/-484.333 χ^2/NDF: 32.9/26

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1949.832+/-0.496 χ^2/NDF:233204.1/9

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

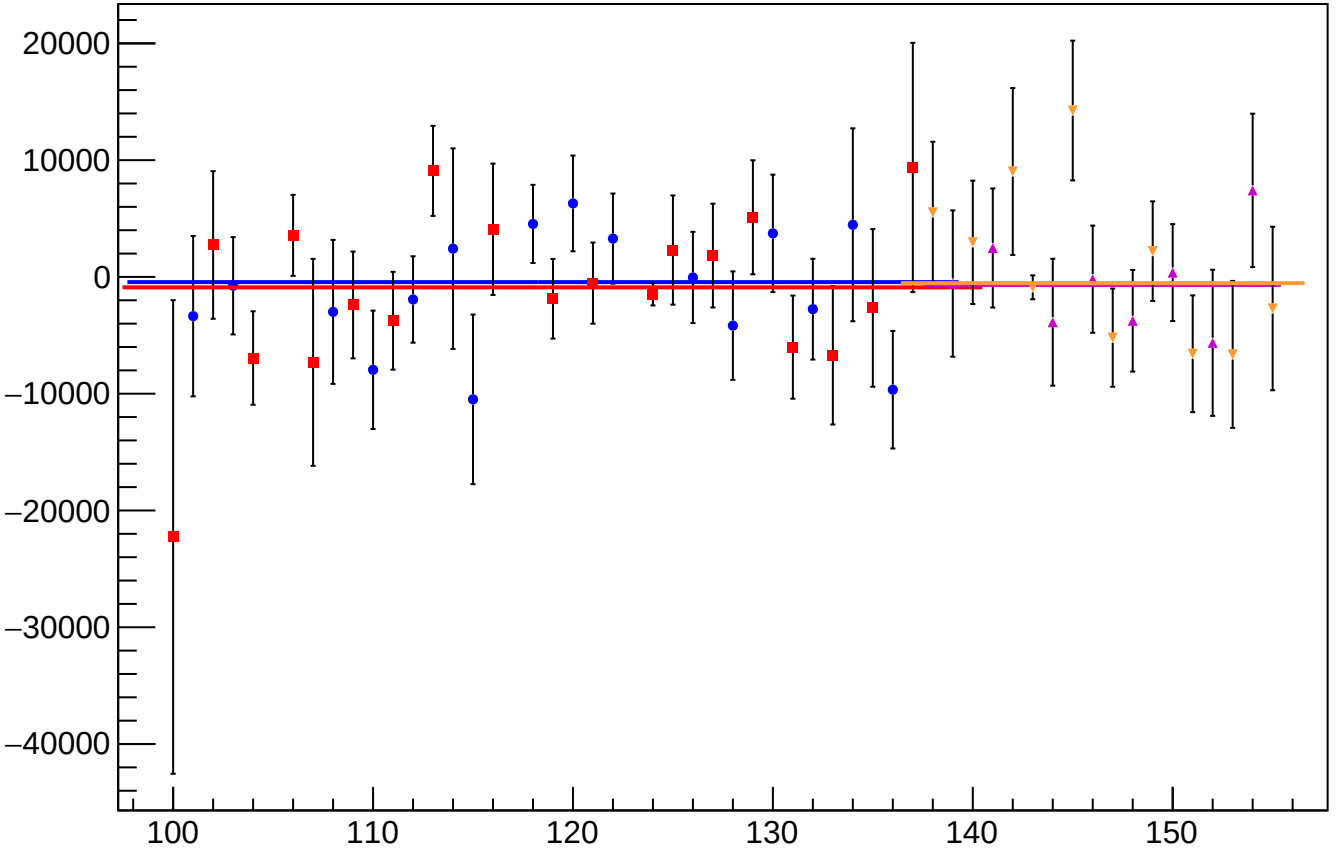
Left In: 1900.726+/-0.508 χ^2/NDF:13402.4/7

+ sign 1845.914+/-0.342 χ^2/NDF: 987716.1/25

All: 1829.510+/-0.241 χ^2/NDF: 1364641.4/52

- sign 1813.178+/-0.341 χ^2/NDF: 372330.3/26

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -534.167+/-889.284 χ^2/NDF:13.6/9

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

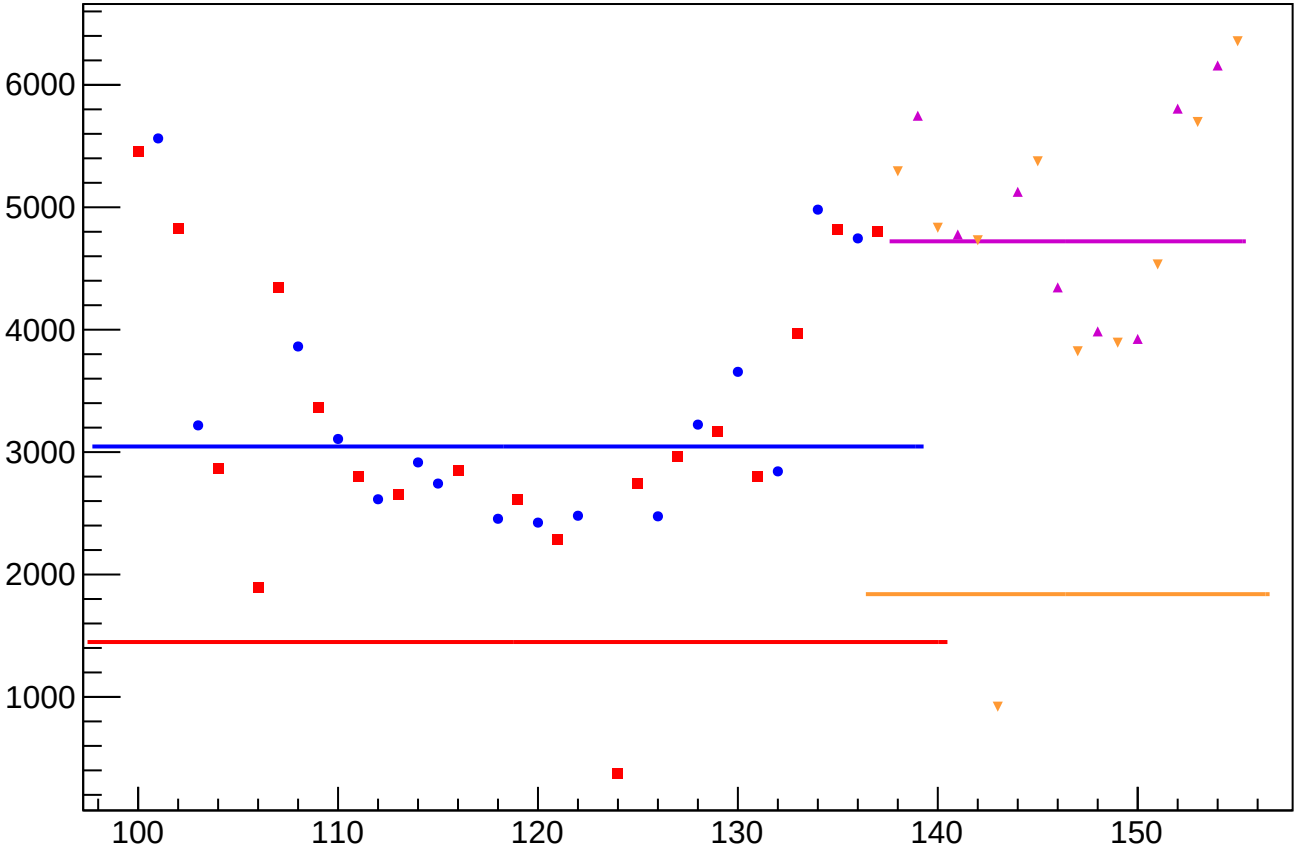
Left In: -684.574+/-1811.027 χ^2/NDF:3.5/7

+ sign -501.409+/-708.972 χ^2/NDF: 29.5/25

All: -691.698+/-488.356 χ^2/NDF: 53.2/52

- sign -863.504+/-673.659 χ^2/NDF: 23.5/26

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1839.616+/-0.629 χ^2/NDF:7010097.9/9

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

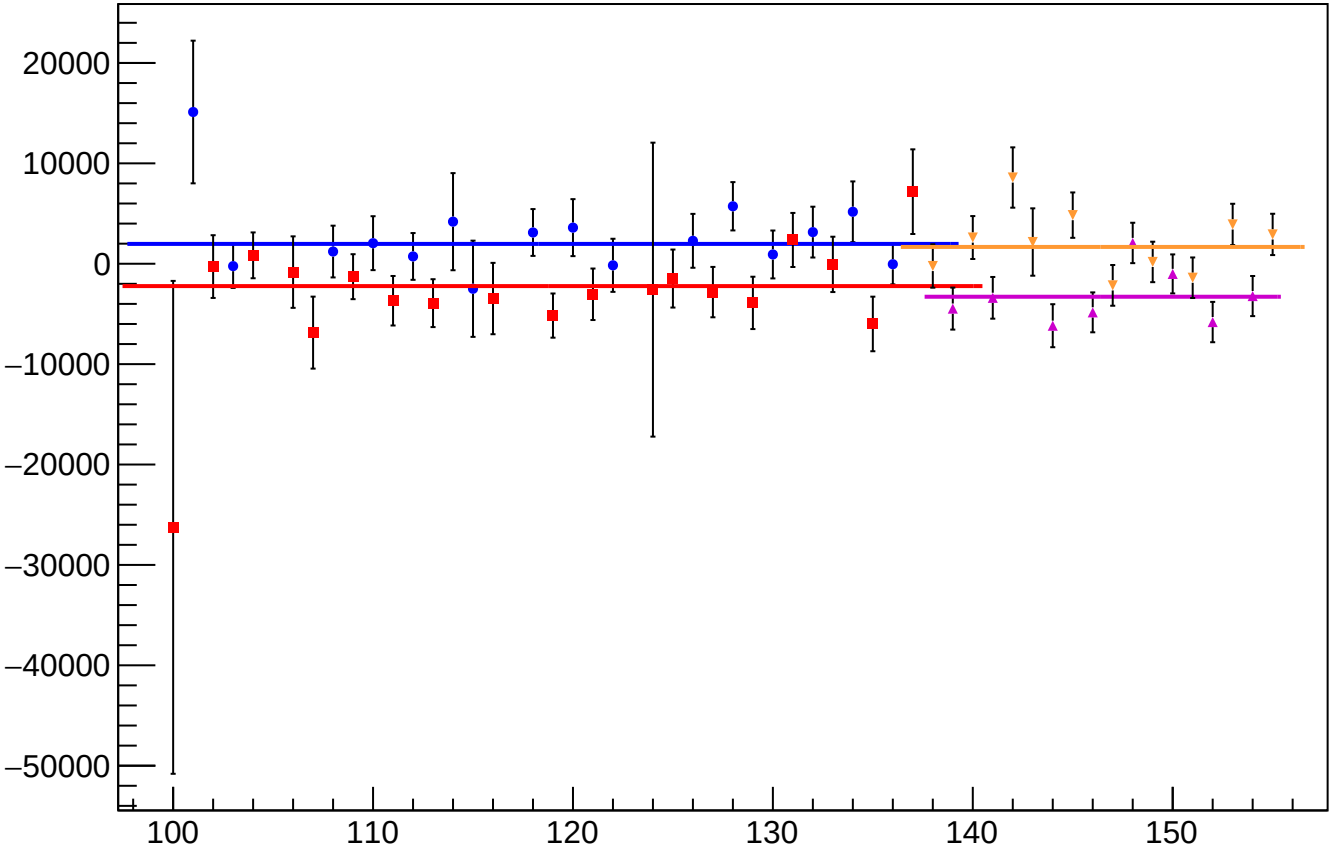
Left In: 4721.905+/-1.281 χ^2/NDF:365090.9/7

+ sign 2279.204+/-0.501 χ^2/NDF: 9258551.3/25

All: 2080.684+/-0.345 χ^2/NDF: 22338816.3/5

- sign 1901.446+/-0.476 χ^2/NDF: 12781870.4/26

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1673.889+/-700.910 χ^2/NDF:16.2/9

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

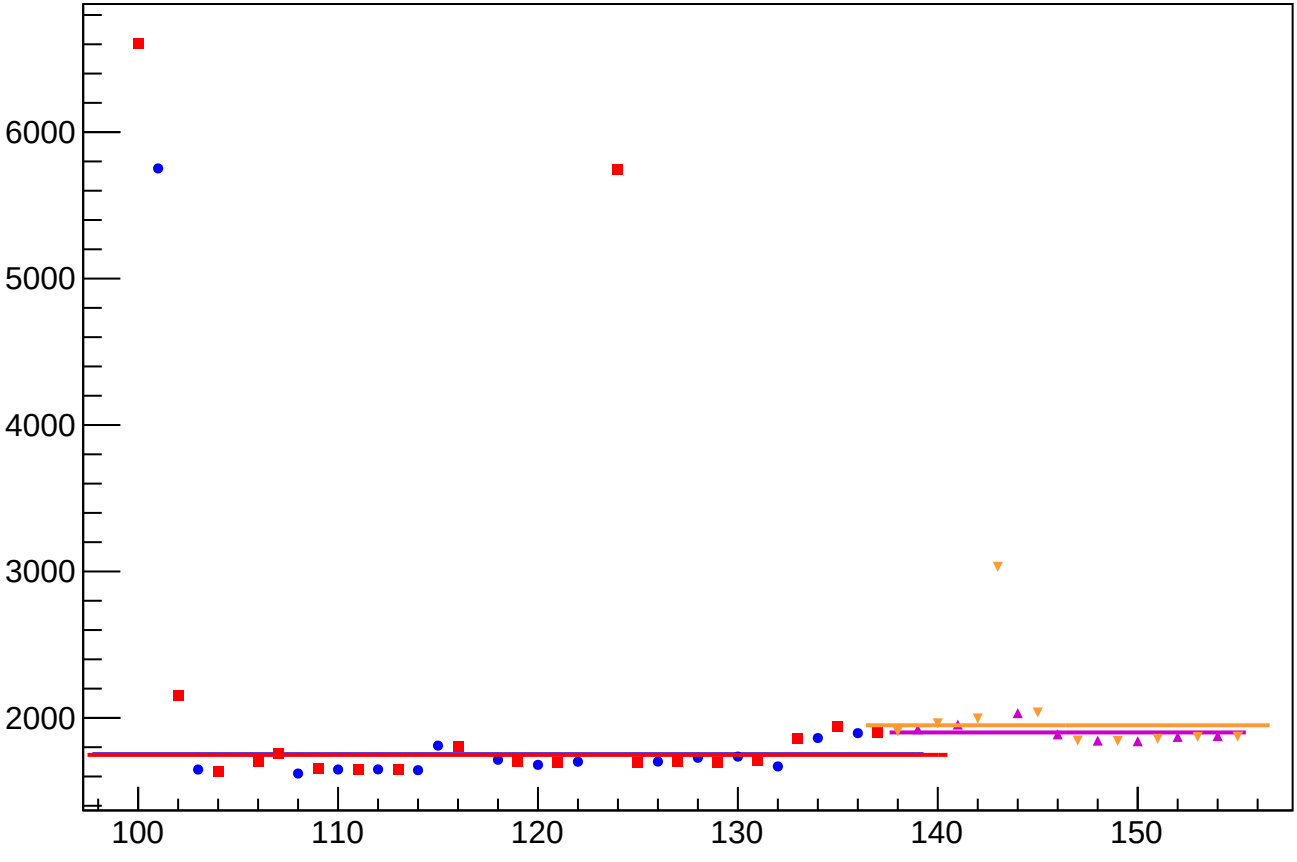
Left In: -3286.401+/-717.730 χ^2/NDF:12.8/7

+ sign 1832.240+/-483.453 χ^2/NDF: 28.4/25

All: -434.263+/-342.163 χ^2/NDF: 105.4/52

- sign -2709.021+/-484.333 χ^2/NDF: 32.9/26

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1949.832+/-0.496 χ^2/NDF:233204.1/9

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

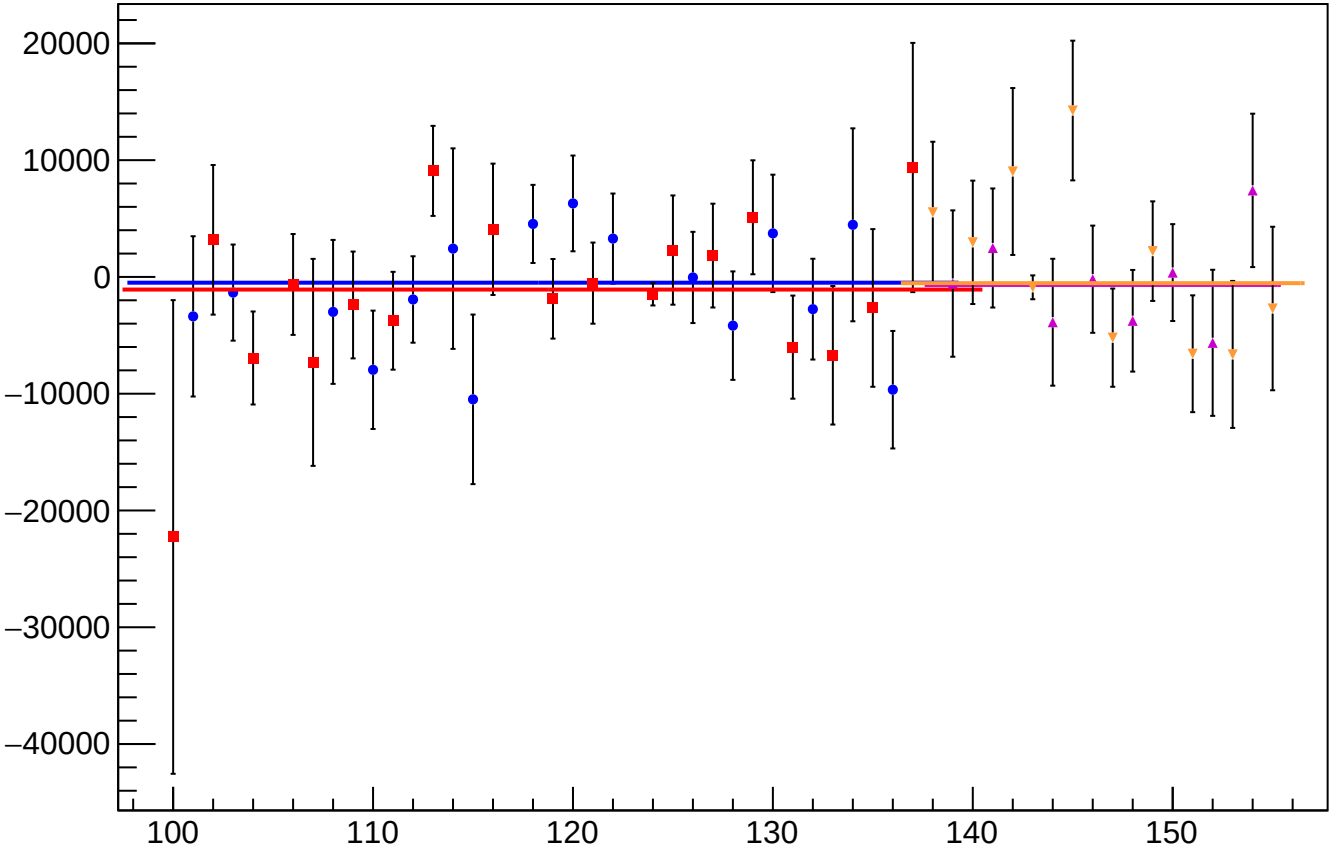
Left In: 1900.726+/-0.508 χ^2/NDF:13402.4/7

+ sign 1845.913+/-0.342 χ^2/NDF: 987716.6/25

All: 1831.526+/-0.242 χ^2/NDF: 1352206.4/52

- sign 1817.146+/-0.342 χ^2/NDF: 360948.1/26

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -533.983+/-889.256 χ^2/NDF:13.6/9

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

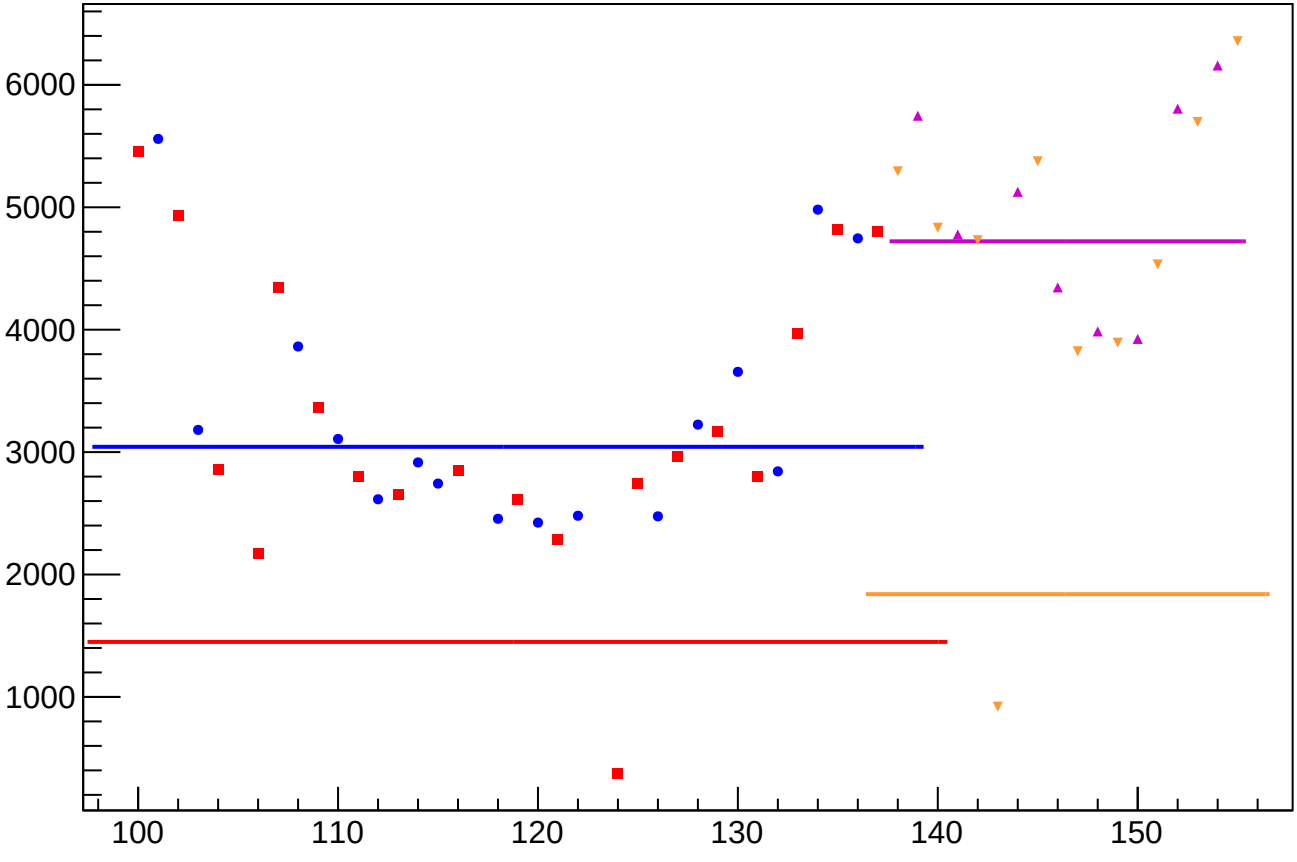
Left In: -684.649+/-1811.026 χ^2/NDF:3.5/7

+ sign -518.999+/-708.691 χ^2/NDF: 29.6/25

All: -783.289+/-489.995 χ^2/NDF: 51.8/52

- sign -1025.347+/-678.228 χ^2/NDF: 22.0/26

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1839.531+/-0.629 χ^2/NDF:7010351.8/9

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

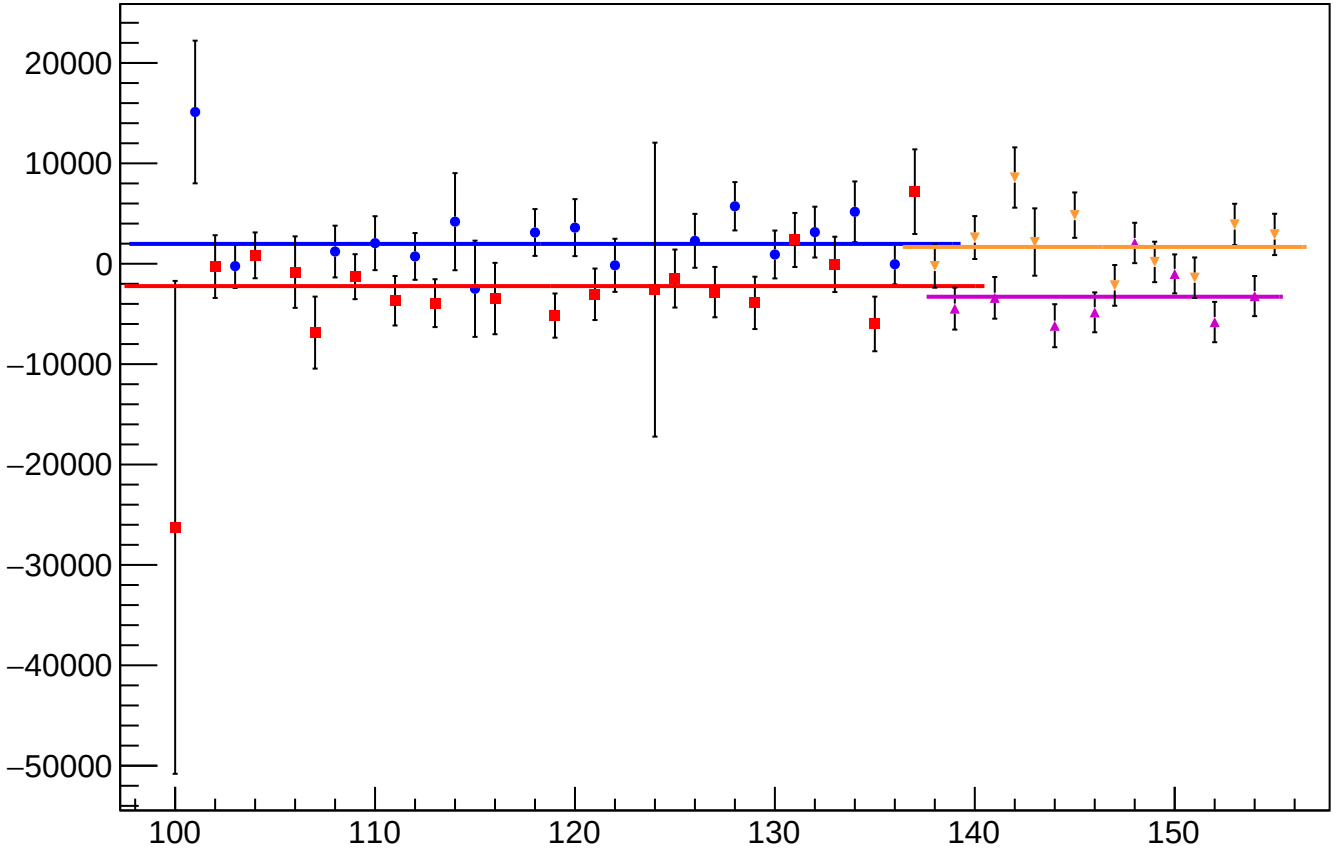
Left In: 4721.904+/-1.281 χ^2/NDF:365089.1/7

+ sign 2278.742+/-0.501 χ^2/NDF: 9253168.8/25

All: 2085.476+/-0.346 χ^2/NDF: 22343074.4/5

- sign 1908.467+/-0.480 χ^2/NDF: 12804936.5/26

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1673.889+/-700.910 χ^2/NDF:16.2/9

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

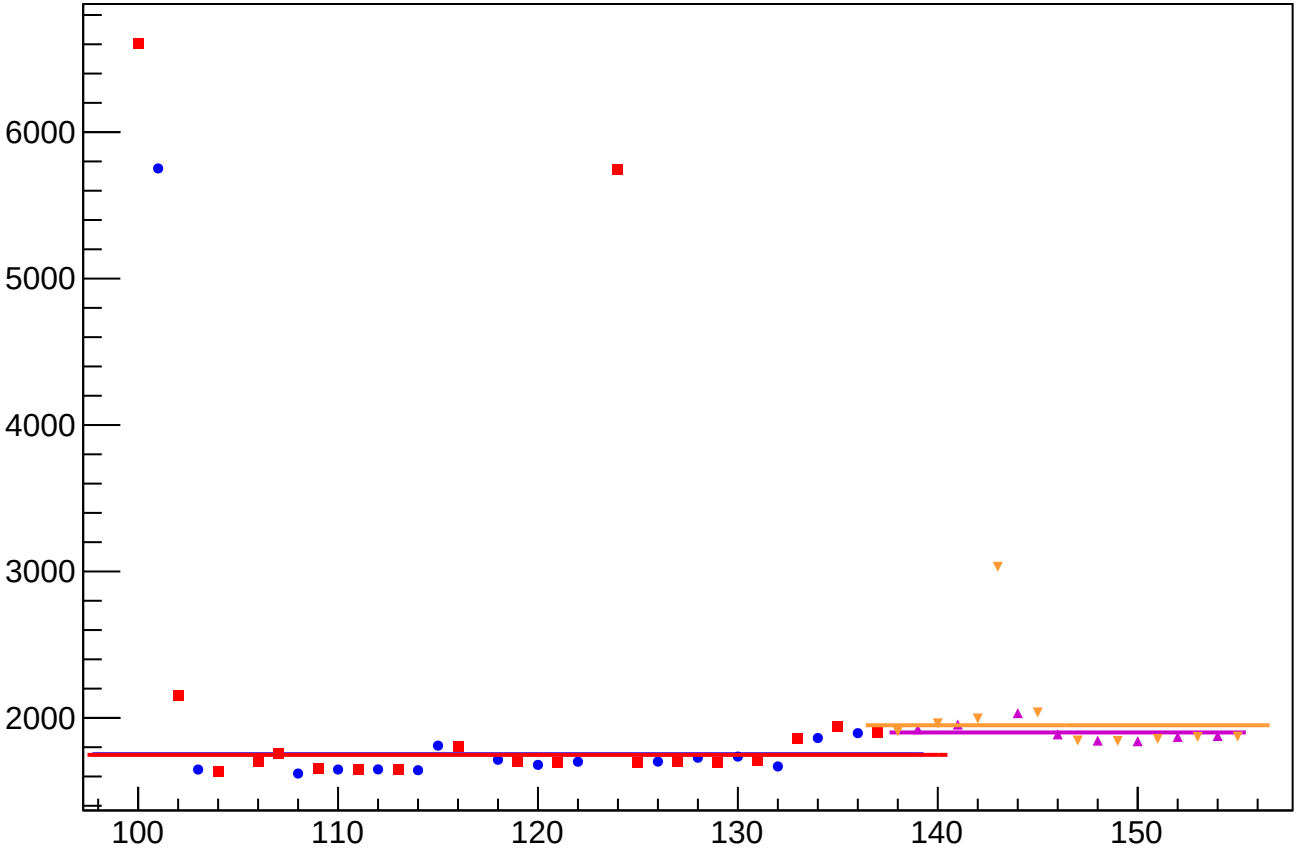
Left In: -3286.401+/-717.730 χ^2/NDF:12.8/7

+ sign 1832.240+/-483.453 χ^2/NDF: 28.4/25

All: -434.263+/-342.163 χ^2/NDF: 105.4/52

- sign -2709.021+/-484.333 χ^2/NDF: 32.9/26

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1949.832+/-0.496 χ^2/NDF:233204.1/9

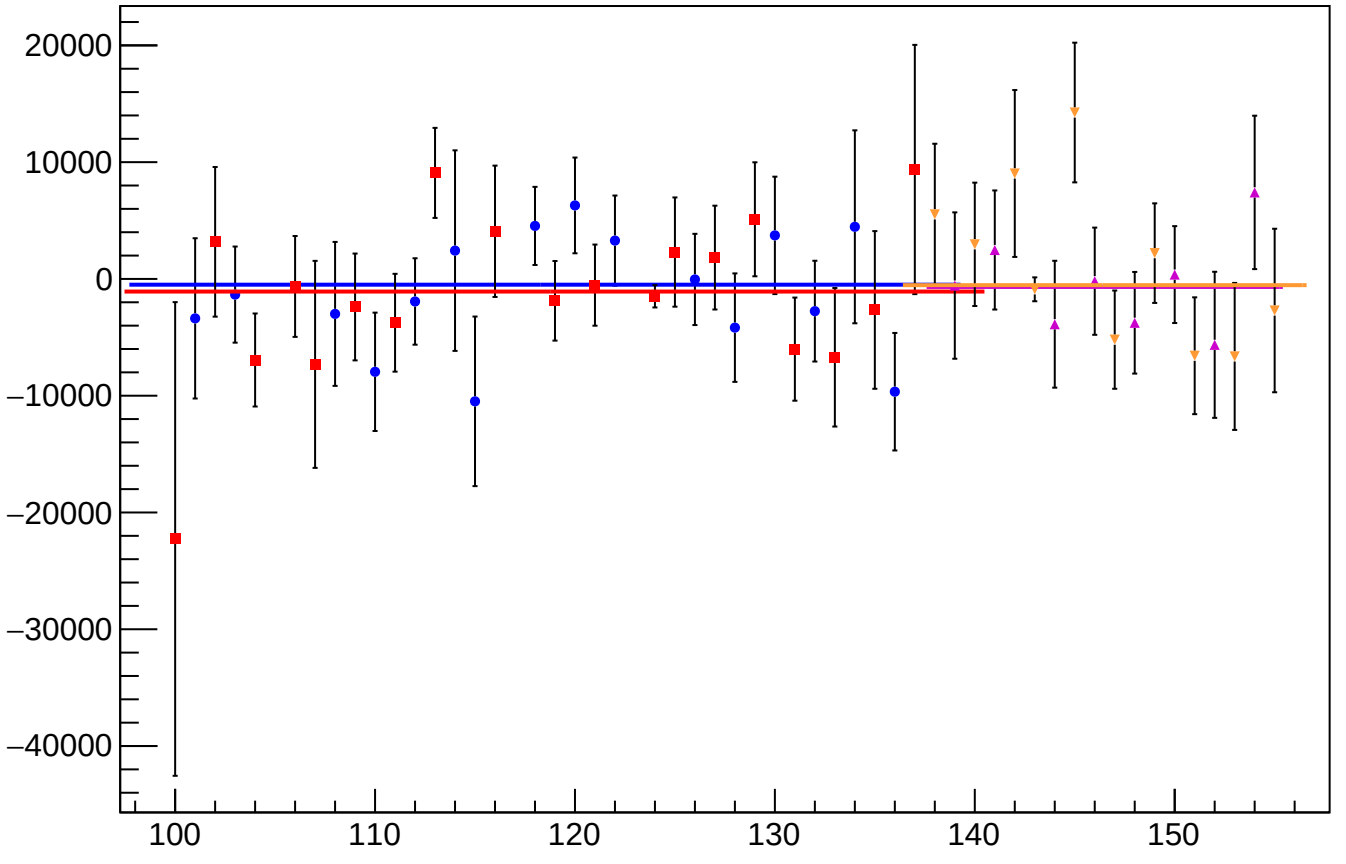
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.726+/-0.508 χ^2/NDF:13402.4/7

+ sign 1845.913+/-0.342 χ^2/NDF: 987716.6/25

All: 1831.526+/-0.242 χ^2/NDF: 1352206.4/52

- sign 1817.146+/-0.342 χ^2/NDF: 360948.1/26



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -533.983+/-889.256 χ^2/NDF:13.6/9

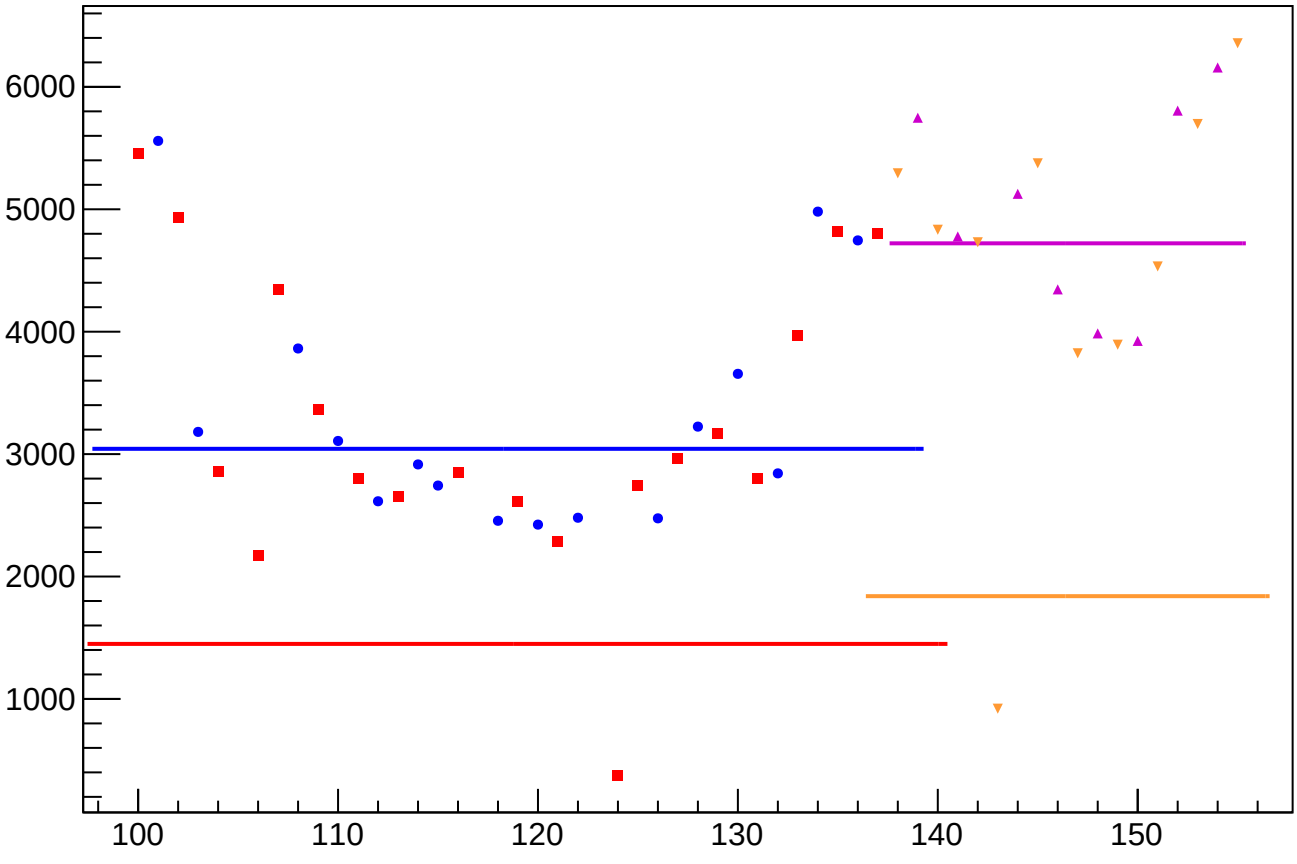
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -684.649+/-1811.026 χ^2/NDF:3.5/7

+ sign -518.999+/-708.691 χ^2/NDF: 29.6/25

All: -783.289+/-489.995 χ^2/NDF: 51.8/52

- sign -1025.347+/-678.228 χ^2/NDF: 22.0/26



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1839.531+/-0.629 χ^2/NDF:7010351.8/9

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

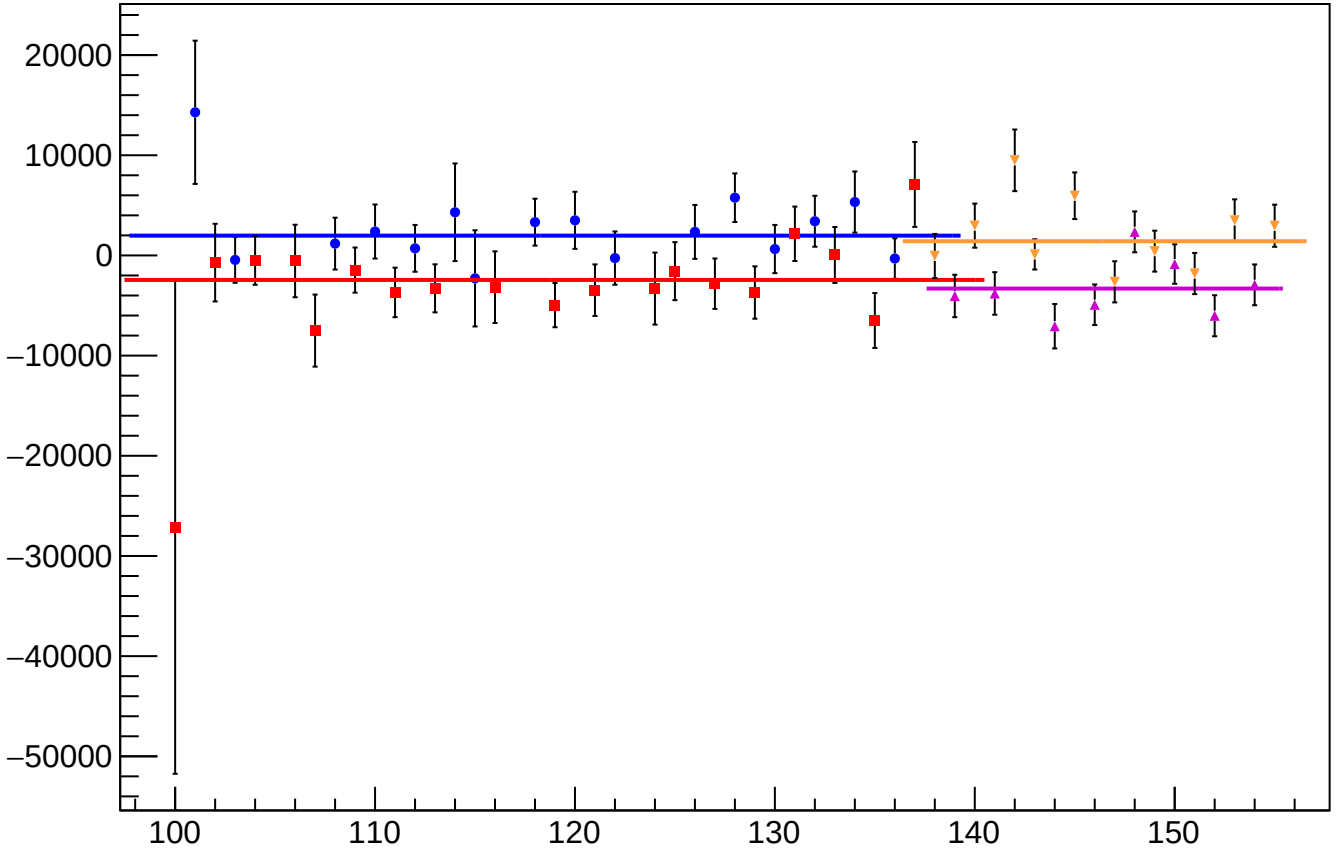
Left In: 4721.904+/-1.281 χ^2/NDF:365089.1/7

+ sign 2278.742+/-0.501 χ^2/NDF: 9253168.8/25

All: 2085.476+/-0.346 χ^2/NDF: 22343074.4/5

- sign 1908.467+/-0.480 χ^2/NDF: 12804936.5/26

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1415.695+/-658.035 χ^2/NDF:20.5/9

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

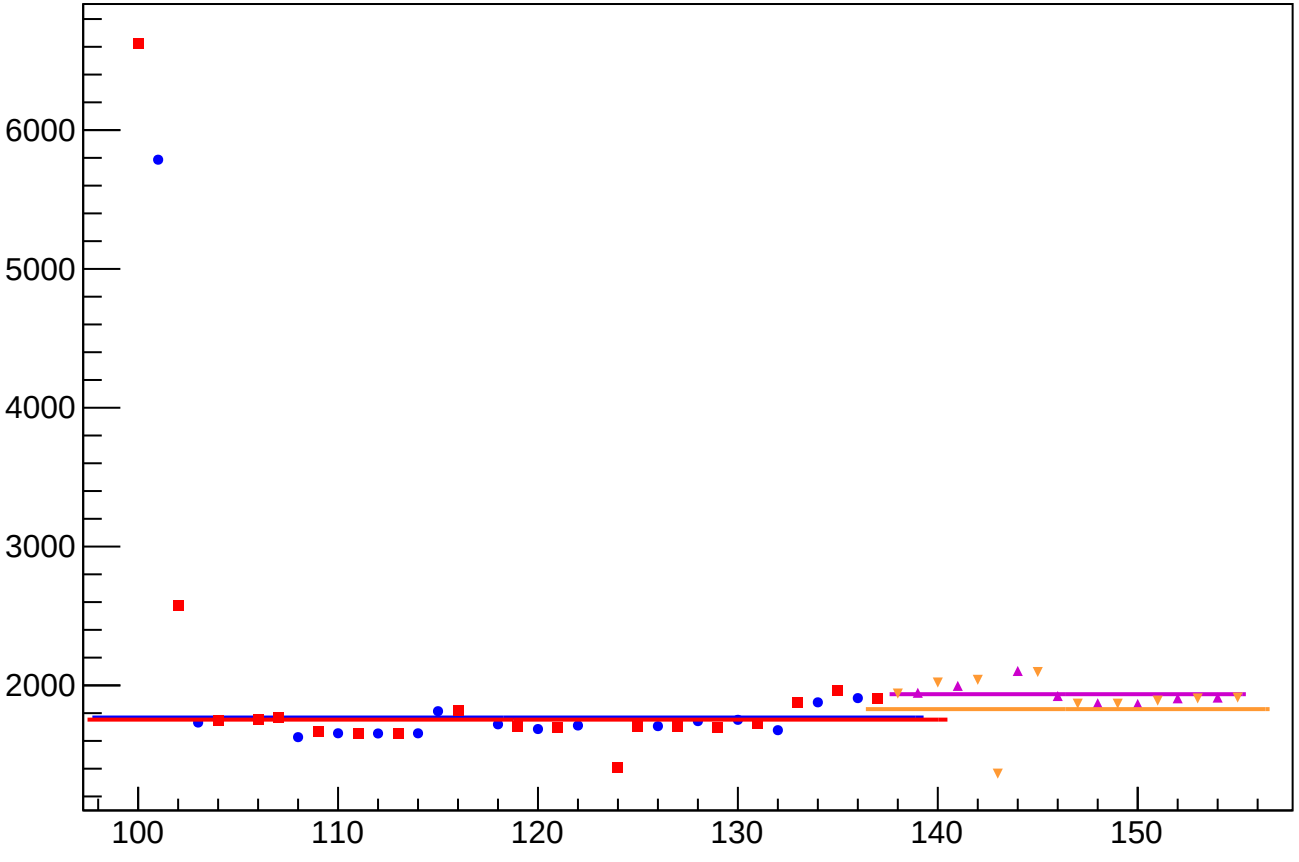
Left In: -3306.164+/-731.434 χ^2/NDF:14.7/7

+ sign 1689.001+/-470.874 χ^2/NDF: 33.3/25

All: -484.726+/-339.203 χ^2/NDF: 110.6/52

- sign -2829.546+/-489.054 χ^2/NDF: 33.0/26

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1829.049+/-0.465 χ^2/NDF:254696.3/9

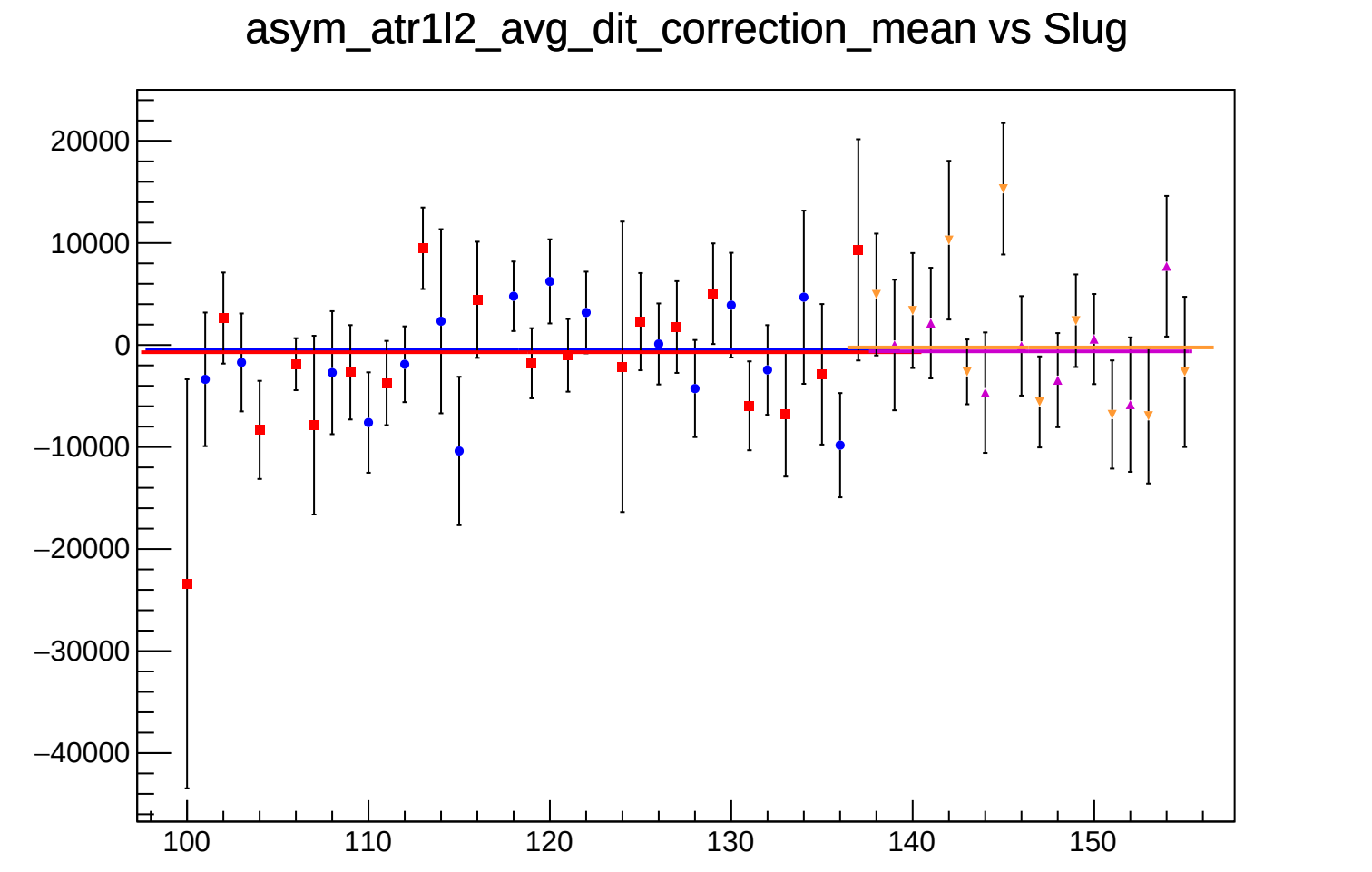
Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1936.590+/-0.517 χ^2/NDF:18368.3/7

+ sign 1799.494+/-0.333 χ^2/NDF: 930331.8/25

All: 1816.623+/-0.240 χ^2/NDF: 1242604.1/52

- sign 1835.046+/-0.345 χ^2/NDF: 306779.2/26



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -240.201+/-1633.372 χ^2/NDF:13.8/9

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

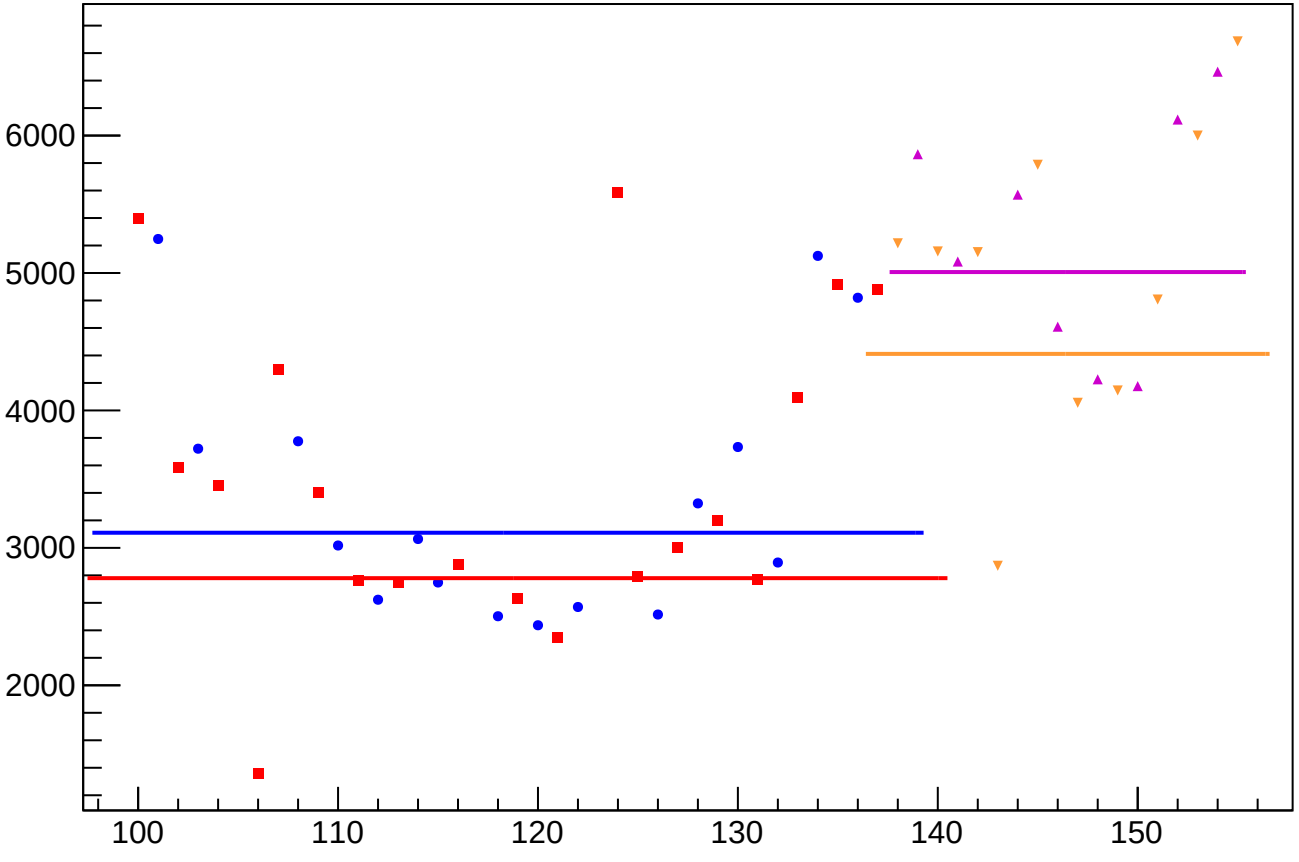
Left In: -619.882+/-1918.953 χ^2/NDF:3.3/7

+ sign -401.344+/-966.284 χ^2/NDF: 29.6/25

All: -547.212+/-671.629 χ^2/NDF: 51.8/52

- sign -683.549+/-934.183 χ^2/NDF: 22.1/26

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4411.443+/-1.155 χ^2/NDF:988170.6/9

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

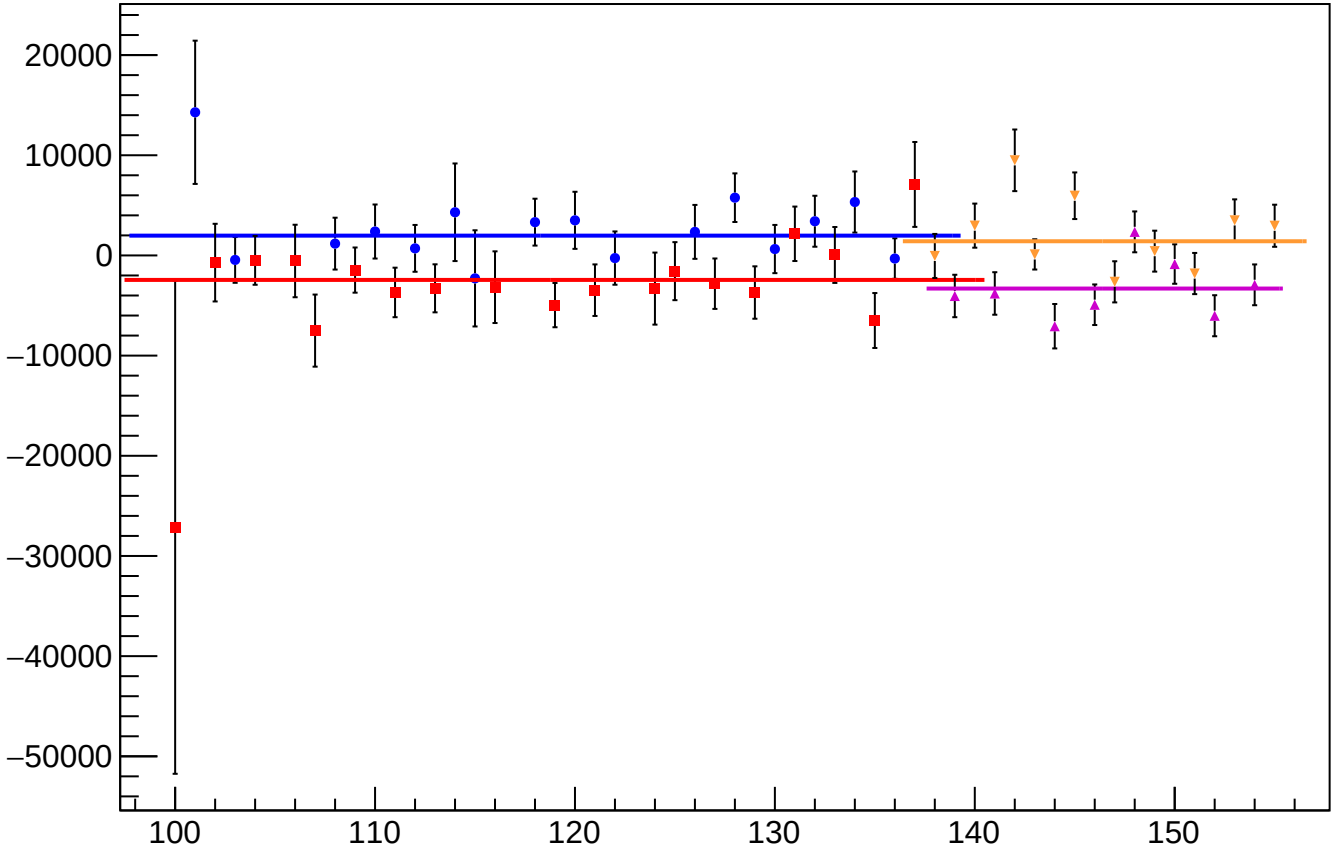
Left In: 5006.871+/-1.357 χ^2/NDF:341853.8/7

+ sign 3565.561+/-0.683 χ^2/NDF: 2696616.2/25

All: 3432.157+/-0.475 χ^2/NDF: 6516082.9/52

- sign 3307.470+/-0.661 χ^2/NDF: 3745716.9/26

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1415.697+/-658.036 χ^2/NDF:20.5/9

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

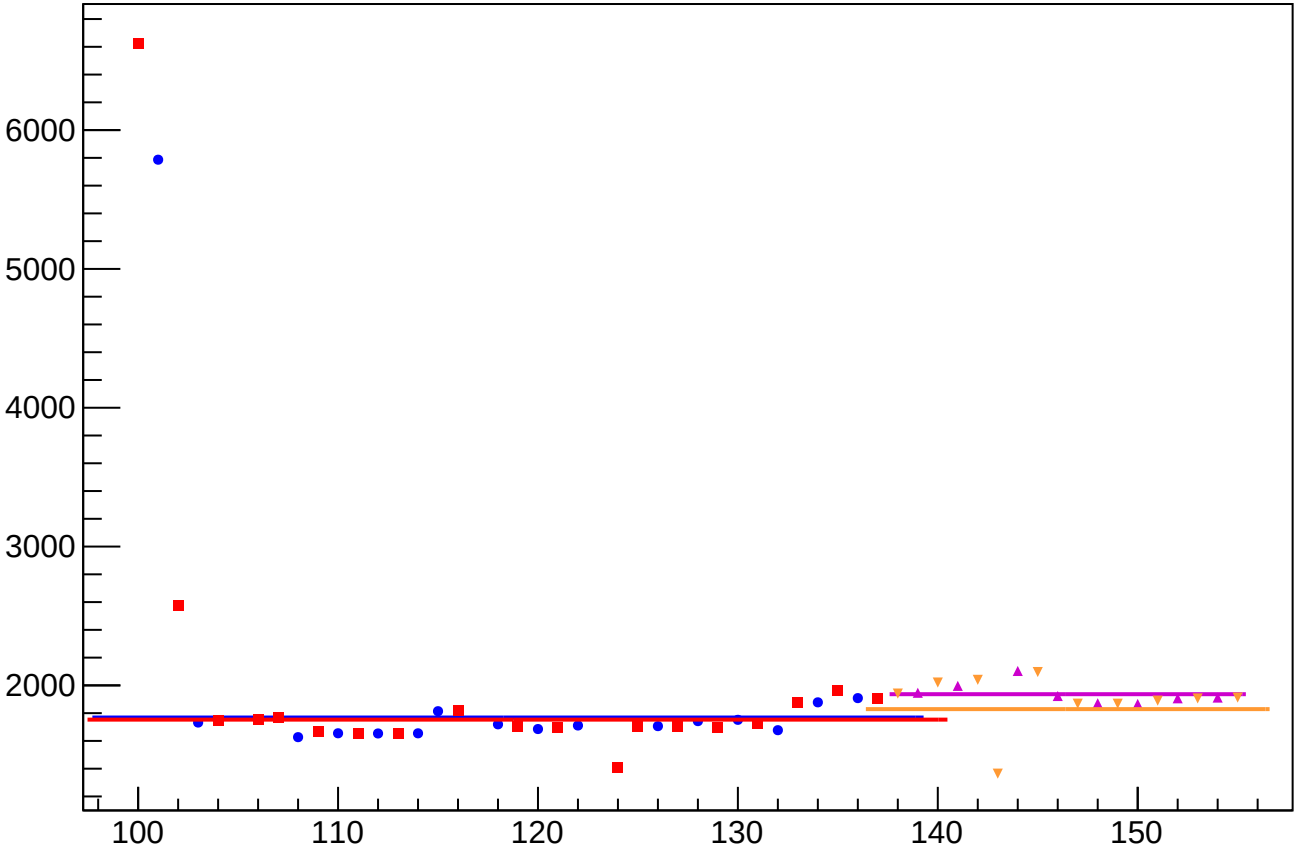
Left In: -3306.163+/-731.435 χ^2/NDF:14.7/7

+ sign 1689.003+/-470.874 χ^2/NDF: 33.3/25

All: -484.725+/-339.203 χ^2/NDF: 110.6/52

- sign -2829.546+/-489.054 χ^2/NDF: 33.0/26

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1829.050+/-0.465 χ^2/NDF:254697.4/9

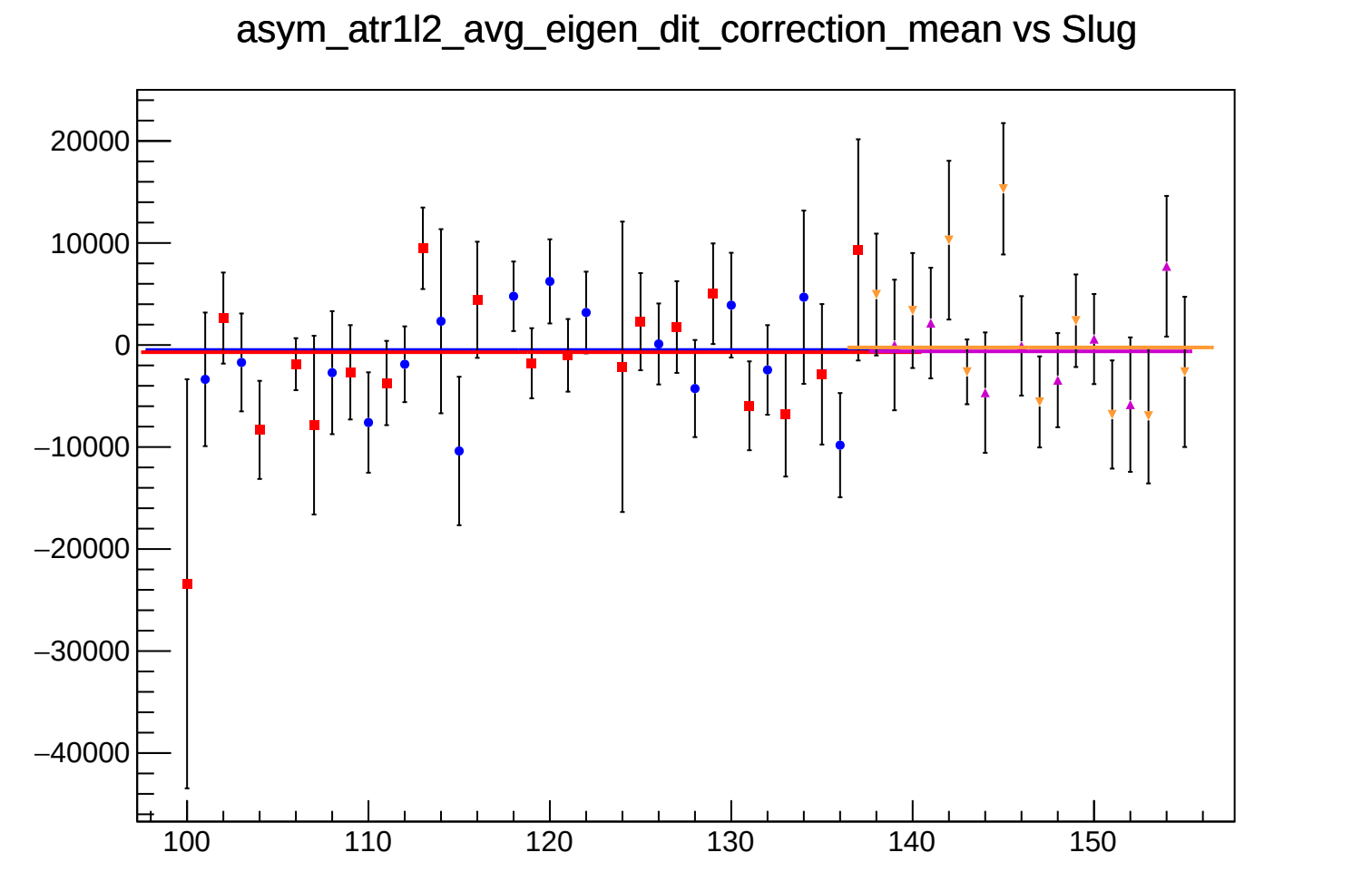
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1936.591+/-0.517 χ^2/NDF:18368.6/7

+ sign 1799.494+/-0.333 χ^2/NDF: 930333.1/25

All: 1816.623+/-0.240 χ^2/NDF: 1242606.5/52

- sign 1835.046+/-0.345 χ^2/NDF: 306780.4/26



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -240.206+/-1633.374 χ^2/NDF:13.8/9

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

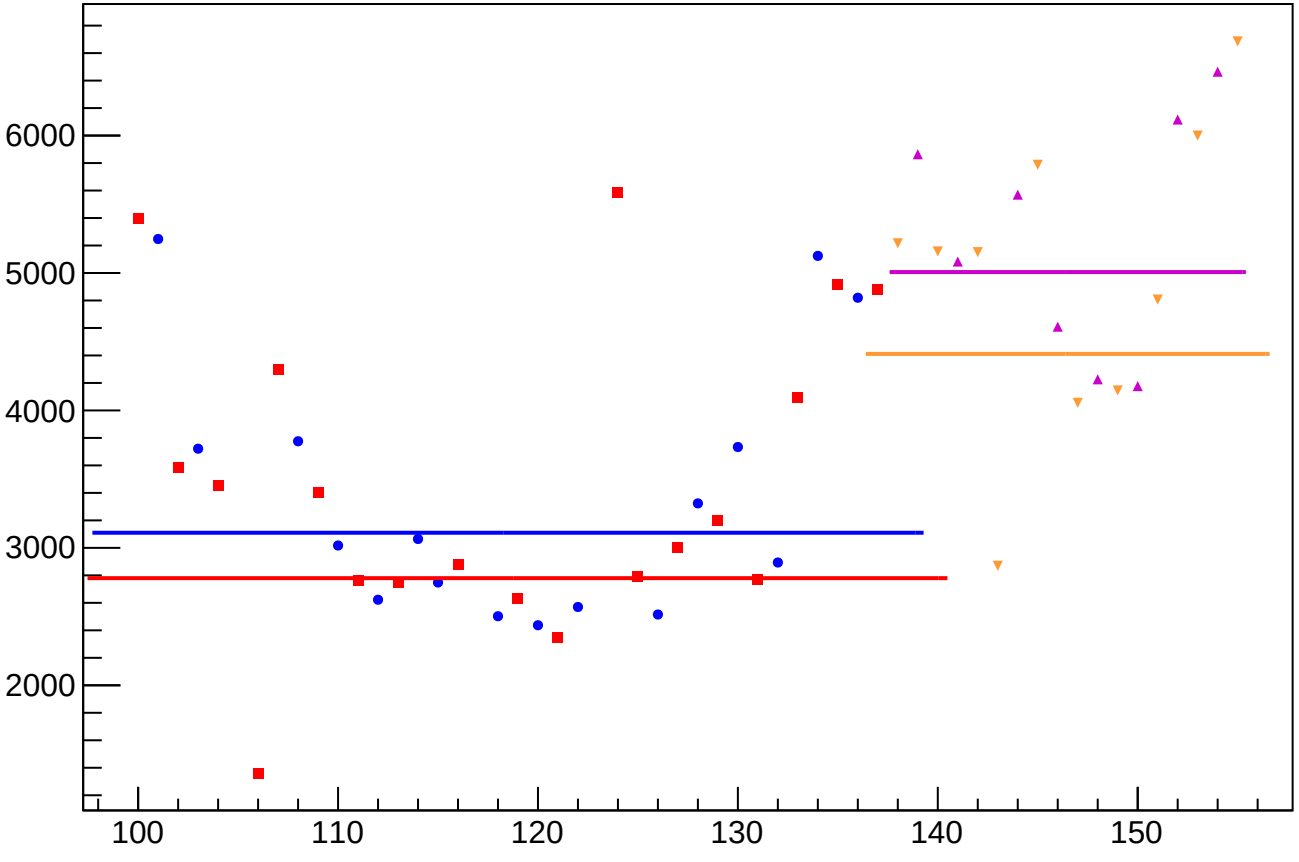
Left In: -619.883+/-1918.955 χ^2/NDF:3.3/7

+ sign -401.342+/-966.282 χ^2/NDF: 29.6/25

All: -547.212+/-671.627 χ^2/NDF: 51.8/52

- sign -683.550+/-934.180 χ^2/NDF: 22.1/26

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4411.446+/-1.155 χ^2/NDF:988176.4/9

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

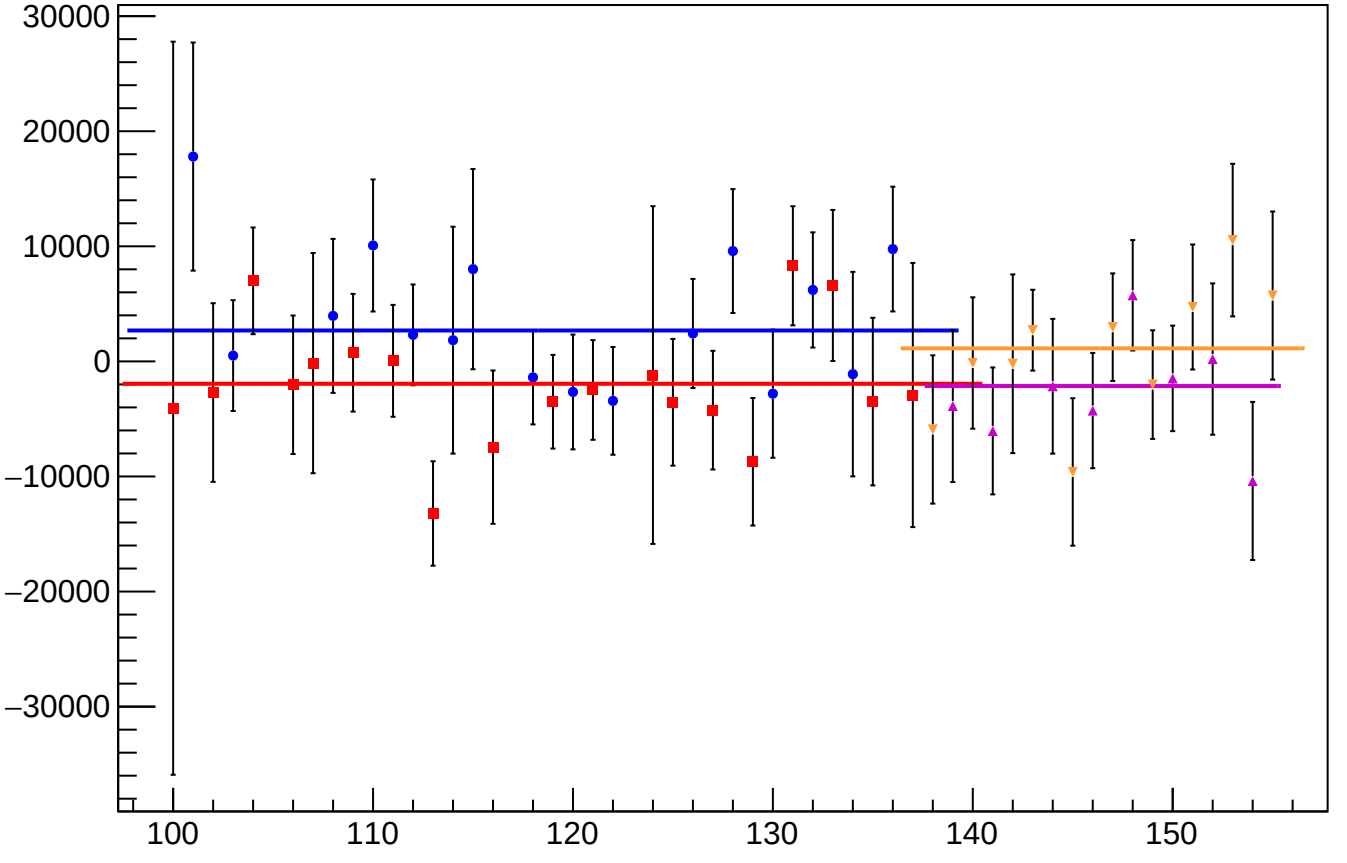
Left In: 5006.876+/-1.357 χ^2/NDF:341856.9/7

+ sign 3565.552+/-0.683 χ^2/NDF: 2696650.9/25

All: 3432.146+/-0.475 χ^2/NDF: 6516175.9/52

- sign 3307.457+/-0.661 χ^2/NDF: 3745772.6/26

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 1132.607+/-1707.658 χ^2/NDF:7.7/9

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

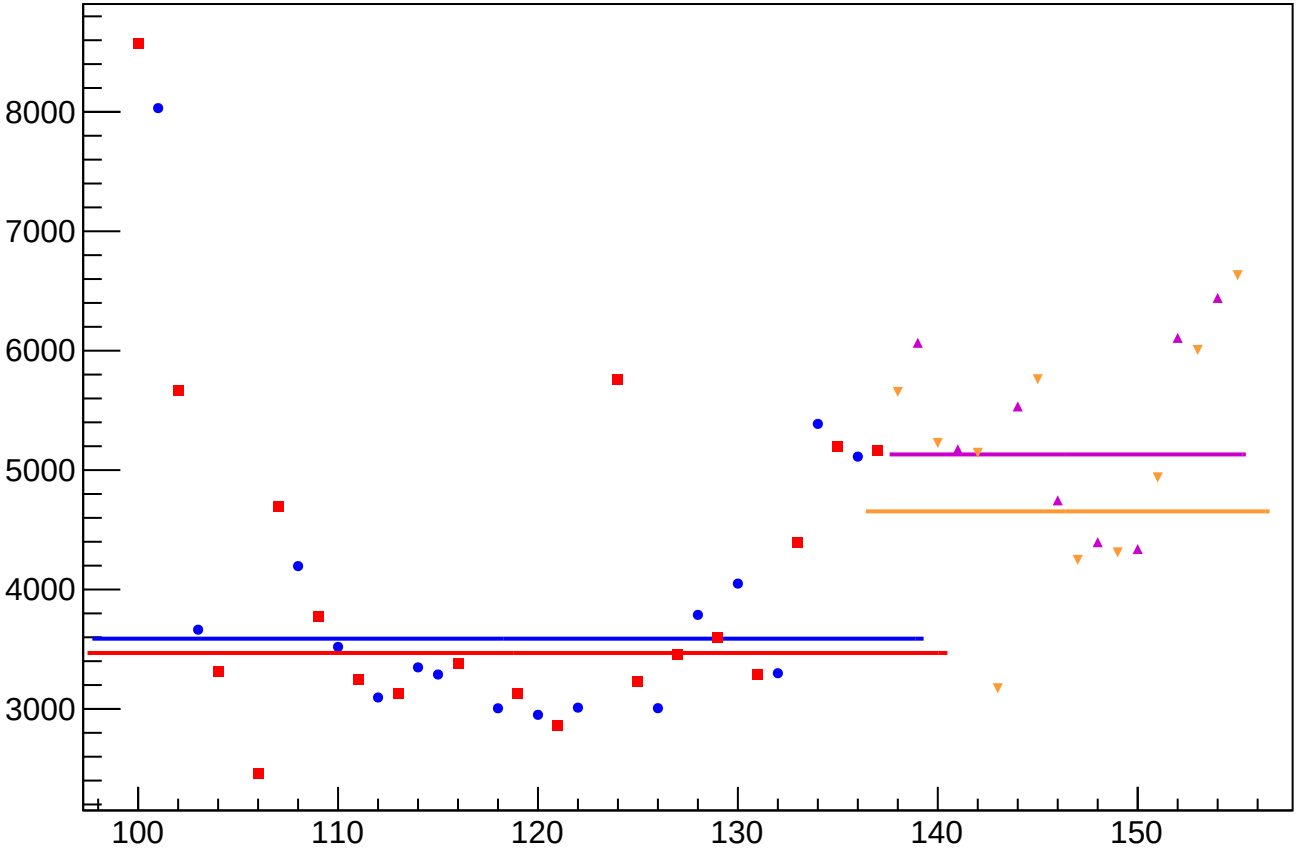
Left In: -2140.663+/-1960.901 χ^2/NDF:5.0/7

+ sign 2072.008+/-1073.288 χ^2/NDF: 21.7/25

All: 86.910+/-769.013 χ^2/NDF: 52.5/52

- sign -2007.309+/-1102.393 χ^2/NDF: 23.7/26

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4654.458+/-1.207 χ^2/NDF:752931.0/9

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

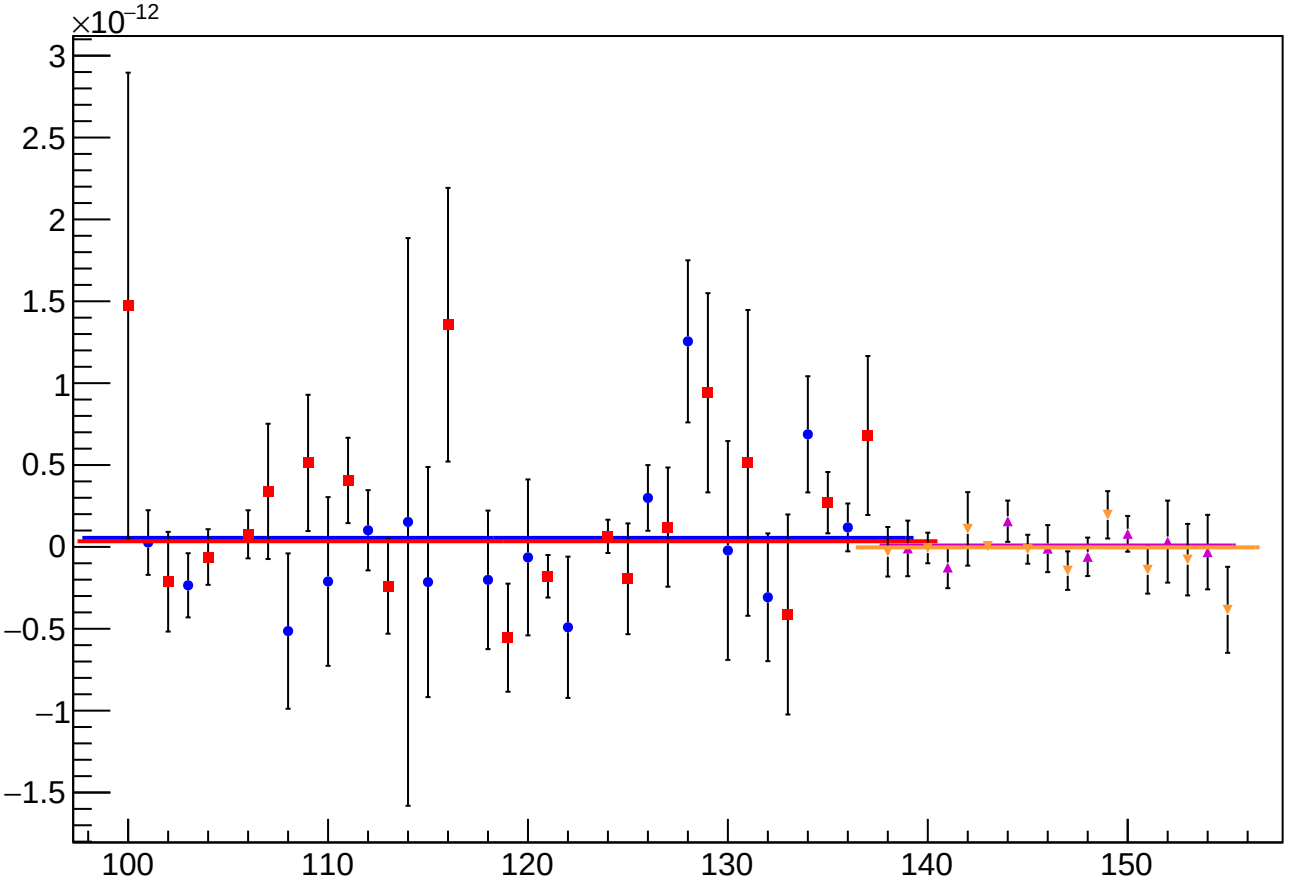
Left In: 5131.316+/-1.387 χ^2/NDF:284760.0/7

+ sign 4009.543+/-0.759 χ^2/NDF: 2069668.8/25

All: 3996.579+/-0.541 χ^2/NDF: 4014499.2/52

- sign 3983.187+/-0.771 χ^2/NDF: 1944237.1/26

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:6.9/9

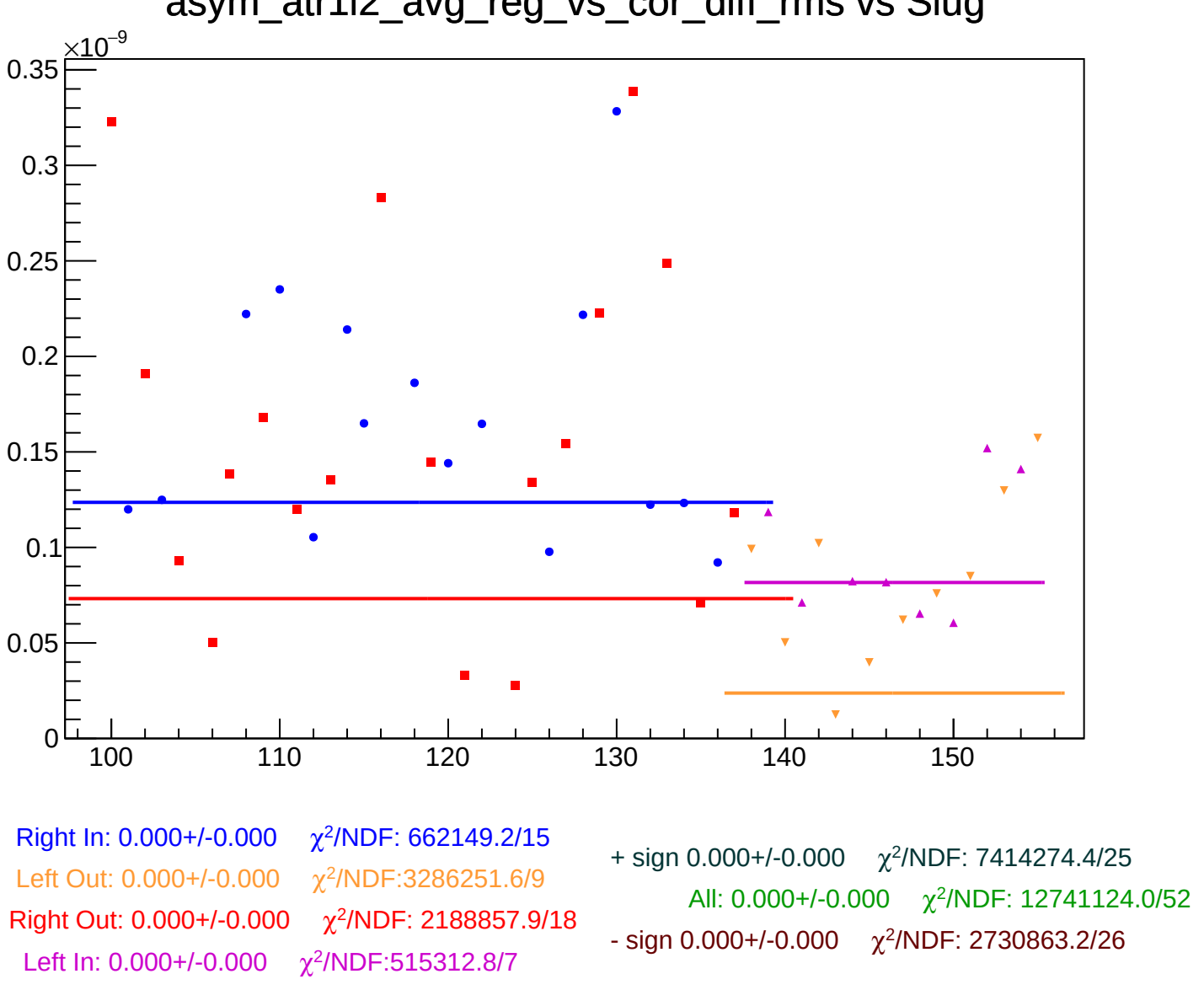
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/7

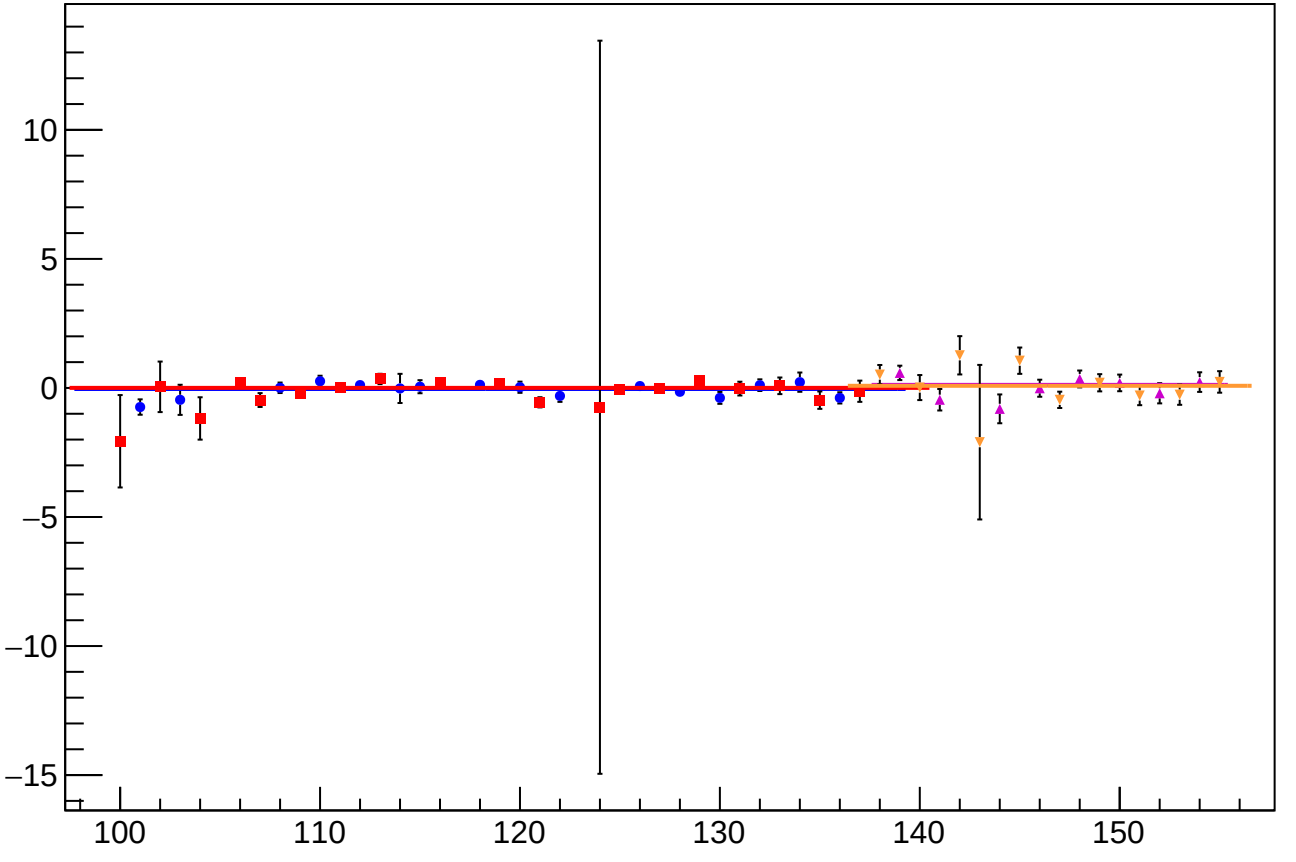
+ sign 0.000+/-0.000 χ^2/NDF: 25.2/25

All: 0.000+/-0.000 χ^2/NDF: 51.2/52

- sign 0.000+/-0.000 χ^2/NDF: 25.7/26


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
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3286251.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:515312.8/7
+ sign 0.000+/-0.000 χ²/NDF: 7414274.4/25
All: 0.000+/-0.000 χ²/NDF: 12741124.0/52
- sign 0.000+/-0.000 χ²/NDF: 2730863.2/26

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.083+/-0.134 χ^2/NDF:13.1/9

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

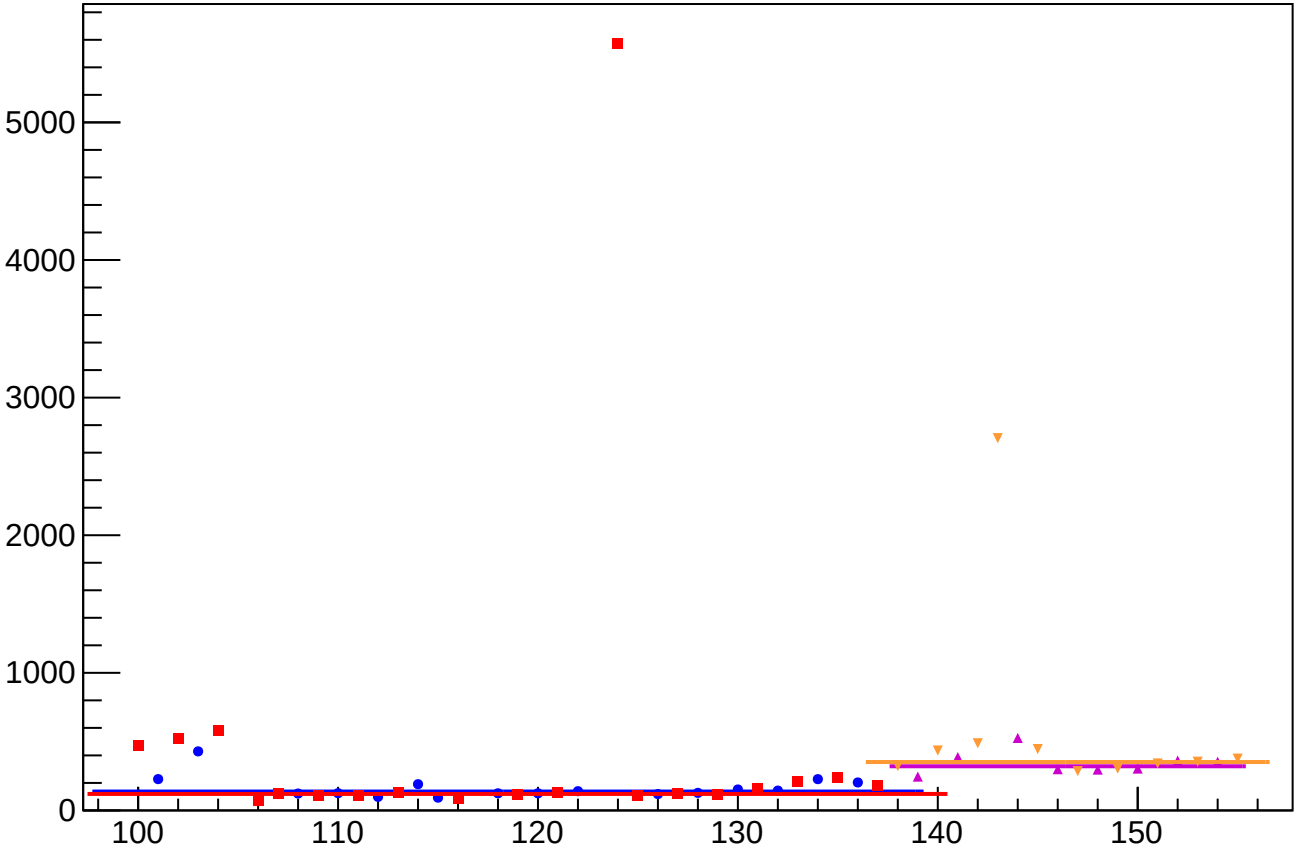
Left In: 0.119+/-0.126 χ^2/NDF:8.9/7

+ sign -0.021+/-0.052 χ^2/NDF: 31.7/25

All: 0.001+/-0.035 χ^2/NDF: 70.4/52

- sign 0.019+/-0.047 χ^2/NDF: 38.4/26

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 351.940+/-0.095 χ^2/NDF:1580936.8/9

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

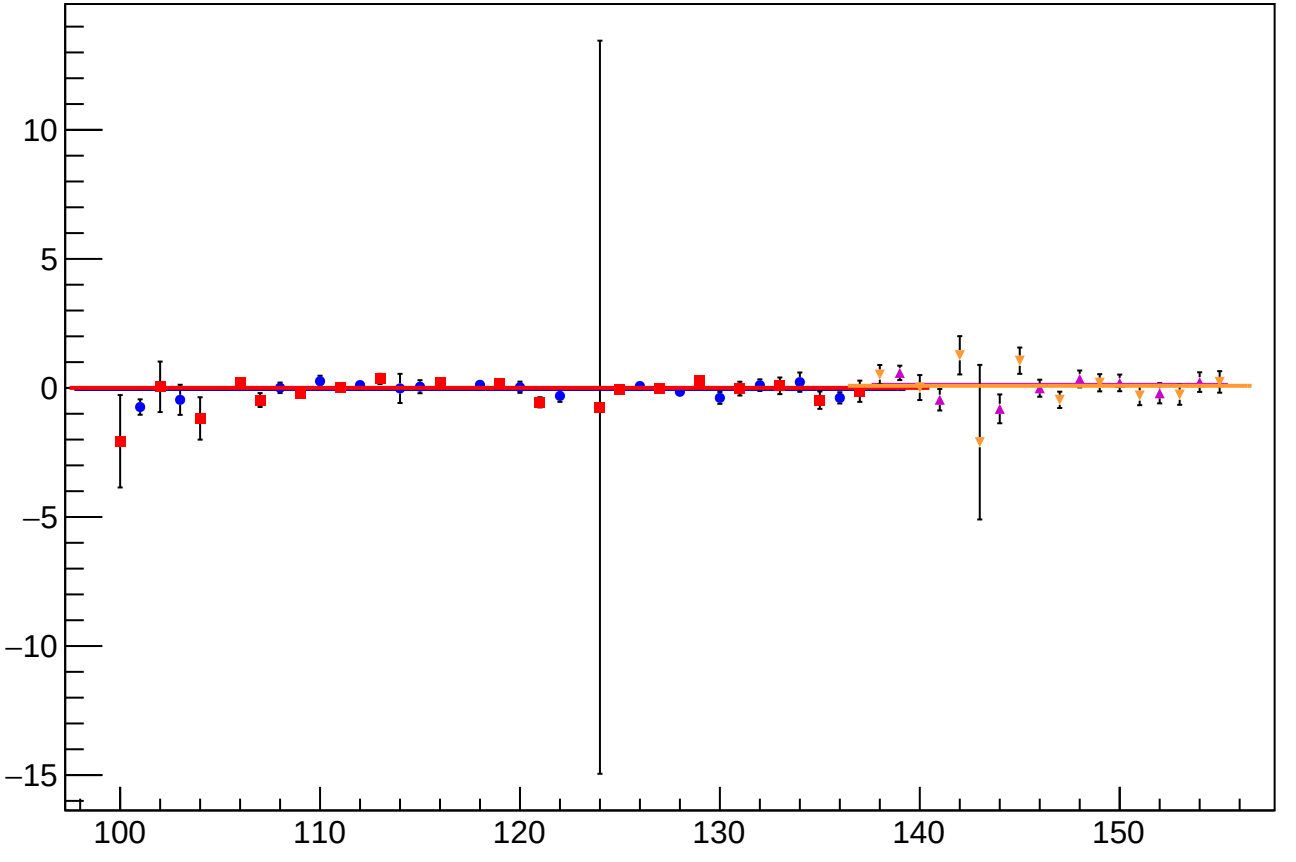
Left In: 321.048+/-0.089 χ^2/NDF:530298.9/7

+ sign 169.082+/-0.036 χ^2/NDF: 7212071.1/25

All: 157.836+/-0.025 χ^2/NDF: 14460208.0/52

- sign 148.404+/-0.033 χ^2/NDF: 7073008.9/26

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: 0.083+/-0.134 χ^2/NDF:13.1/9

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

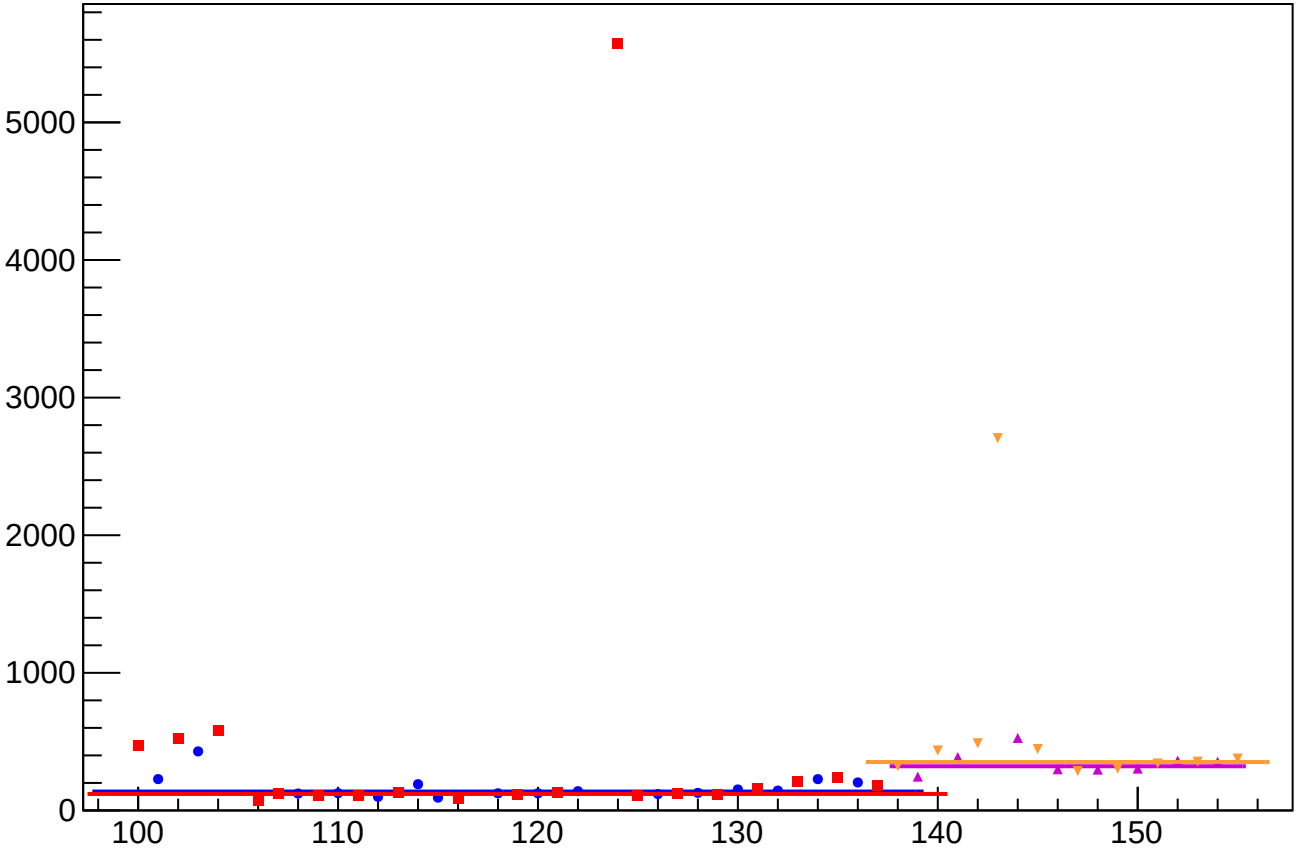
Left In: 0.119+/-0.126 χ^2/NDF:8.9/7

\+ sign -0.021+/-0.052 χ^2/NDF: 31.7/25

All: 0.001+/-0.035 χ^2/NDF: 70.4/52

\- sign 0.019+/-0.047 χ^2/NDF: 38.4/26

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: 351.940+/-0.095 χ^2/NDF:1580936.8/9

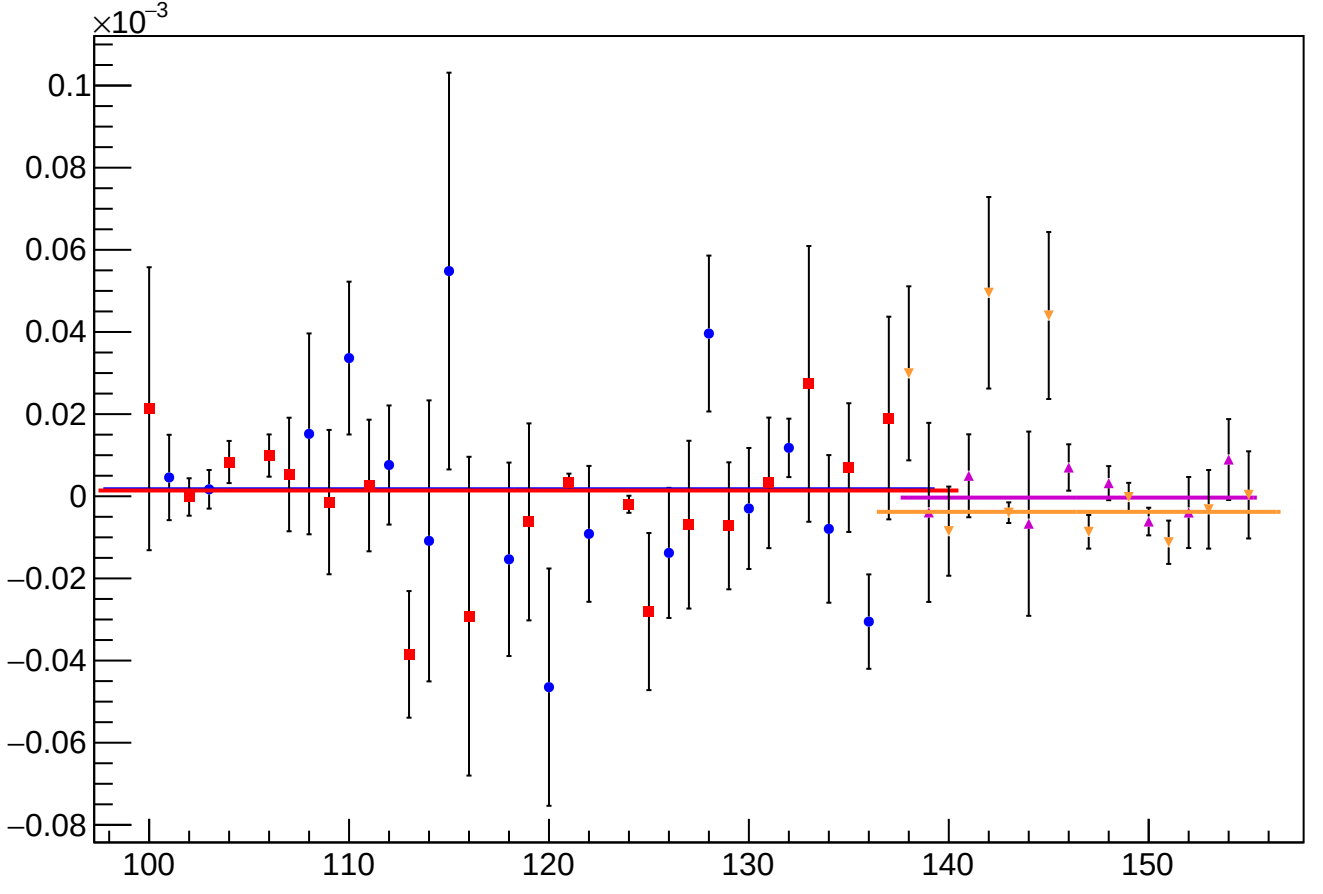
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 321.048+/-0.089 χ^2/NDF:530298.9/7

+ sign 169.082+/-0.036 χ^2/NDF: 7212071.1/25

All: 157.836+/-0.025 χ^2/NDF: 14460208.0/52

- sign 148.404+/-0.033 χ^2/NDF: 7073008.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

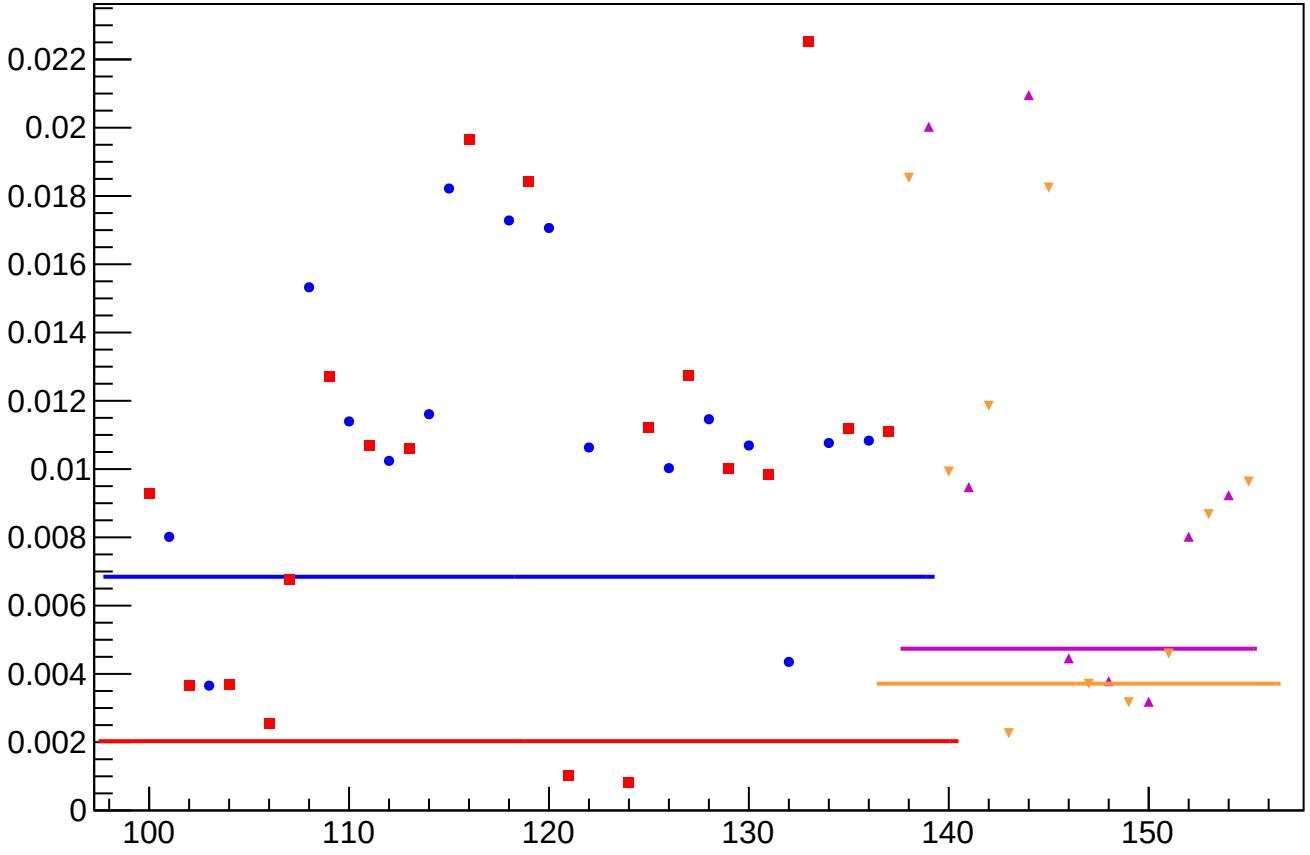
Left In: -0.000+/-0.000 χ^2/NDF:6.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/25

All: -0.000+/-0.000 χ^2/NDF: 75.8/52

- sign 0.000+/-0.000 χ^2/NDF: 27.6/26

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:4830241.9/9

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

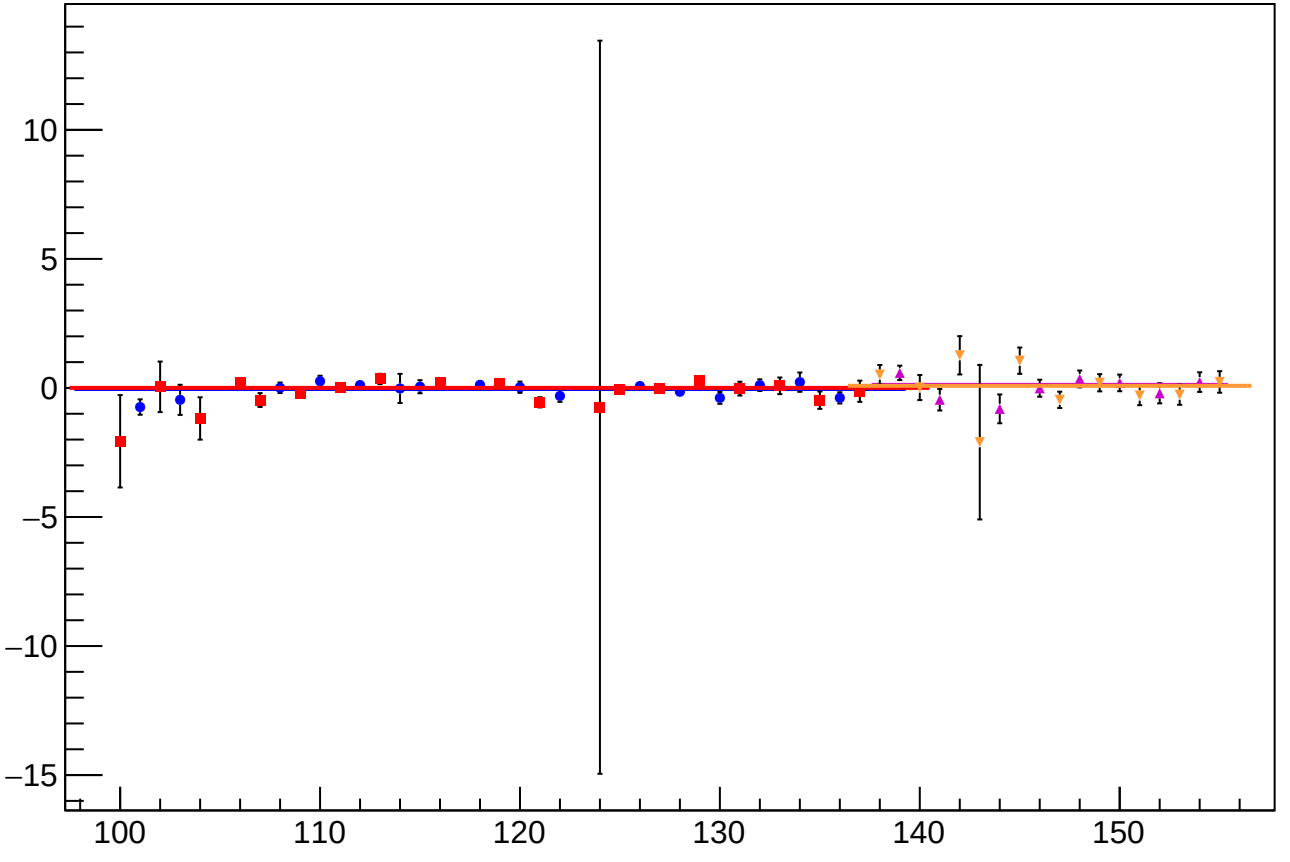
Left In: 0.005+/-0.000 χ^2/NDF:3709216.6/7

+ sign 0.004+/-0.000 χ^2/NDF: 9767066.6/25

All: 0.003+/-0.000 χ^2/NDF: 26693471.6/52

- sign 0.003+/-0.000 χ^2/NDF: 15076928.4/26

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: 0.083+/-0.134 χ^2/NDF:13.1/9

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

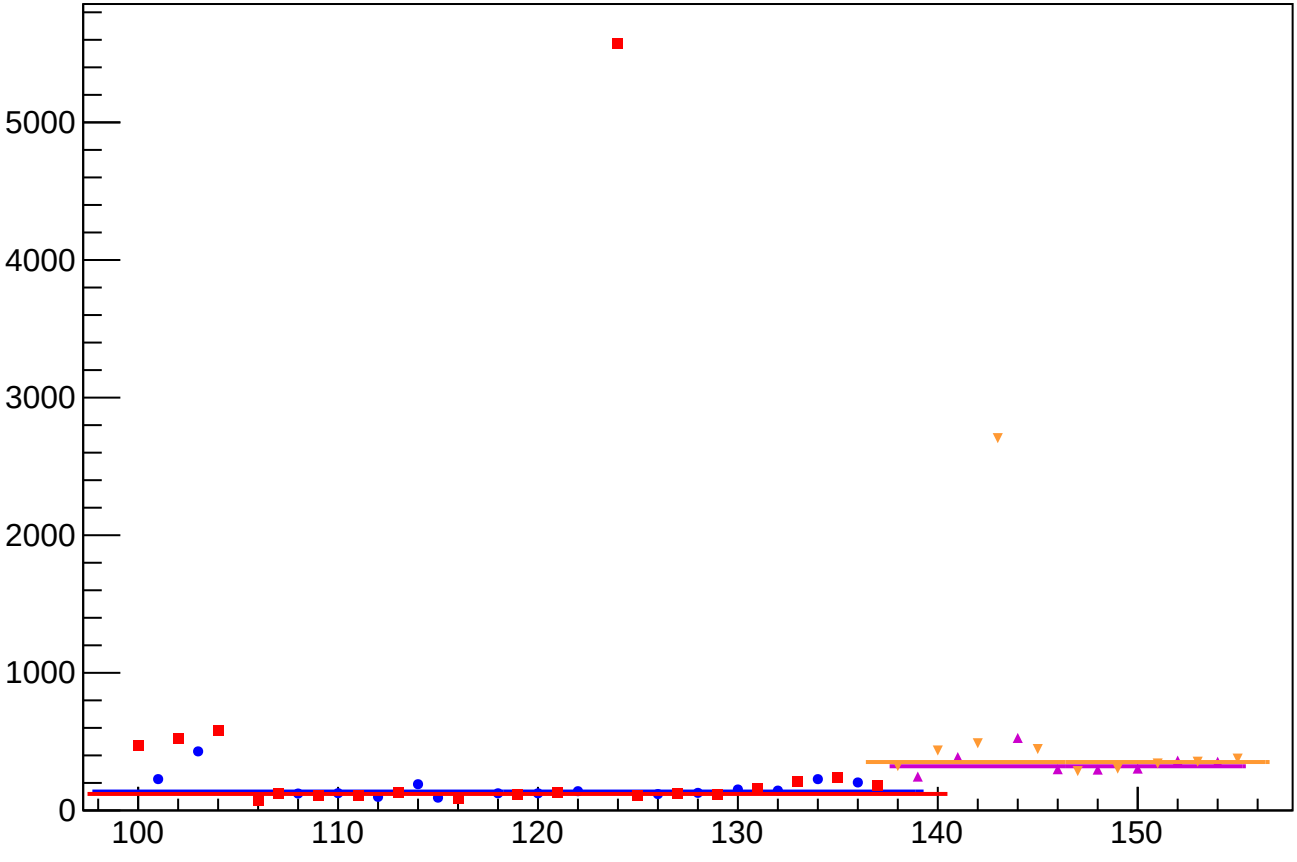
Left In: 0.119+/-0.126 χ^2/NDF:8.9/7

\+ sign -0.021+/-0.052 χ^2/NDF: 31.7/25

All: 0.001+/-0.035 χ^2/NDF: 70.4/52

\- sign 0.019+/-0.047 χ^2/NDF: 38.4/26

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 351.943+/-0.095 χ^2/NDF:1580967.4/9

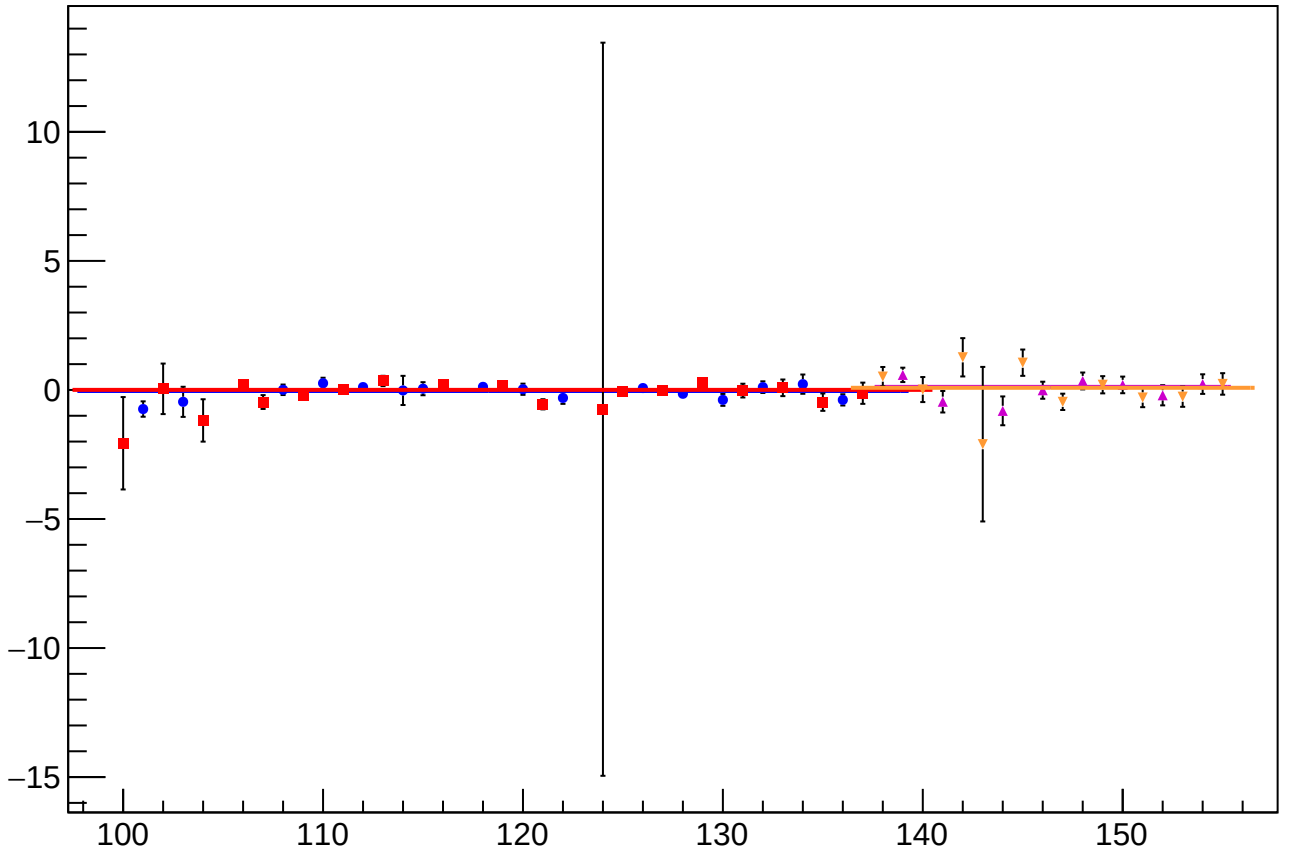
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 321.052+/-0.089 χ^2/NDF:530291.0/7

+ sign 169.083+/-0.036 χ^2/NDF: 7212051.9/25

All: 157.836+/-0.025 χ^2/NDF: 14460213.7/52

- sign 148.404+/-0.033 χ^2/NDF: 7073016.3/26



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.083+/-0.134 χ^2/NDF:13.1/9

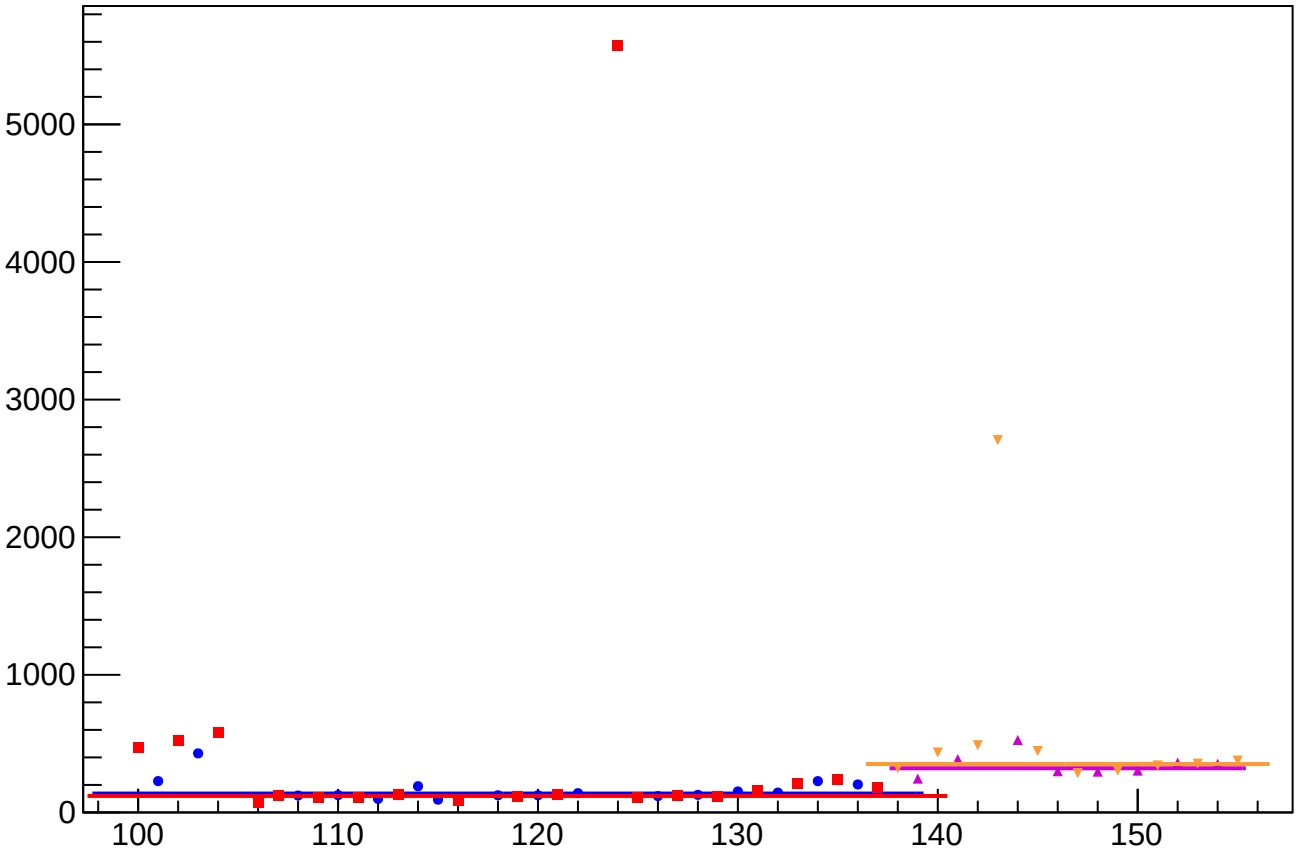
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.119+/-0.126 χ^2/NDF:8.9/7

\+ sign -0.021+/-0.052 χ^2/NDF: 31.7/25

All: 0.001+/-0.035 χ^2/NDF: 70.4/52

\- sign 0.019+/-0.047 χ^2/NDF: 38.4/26



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 351.943+/-0.095 χ^2/NDF:1580967.4/9

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

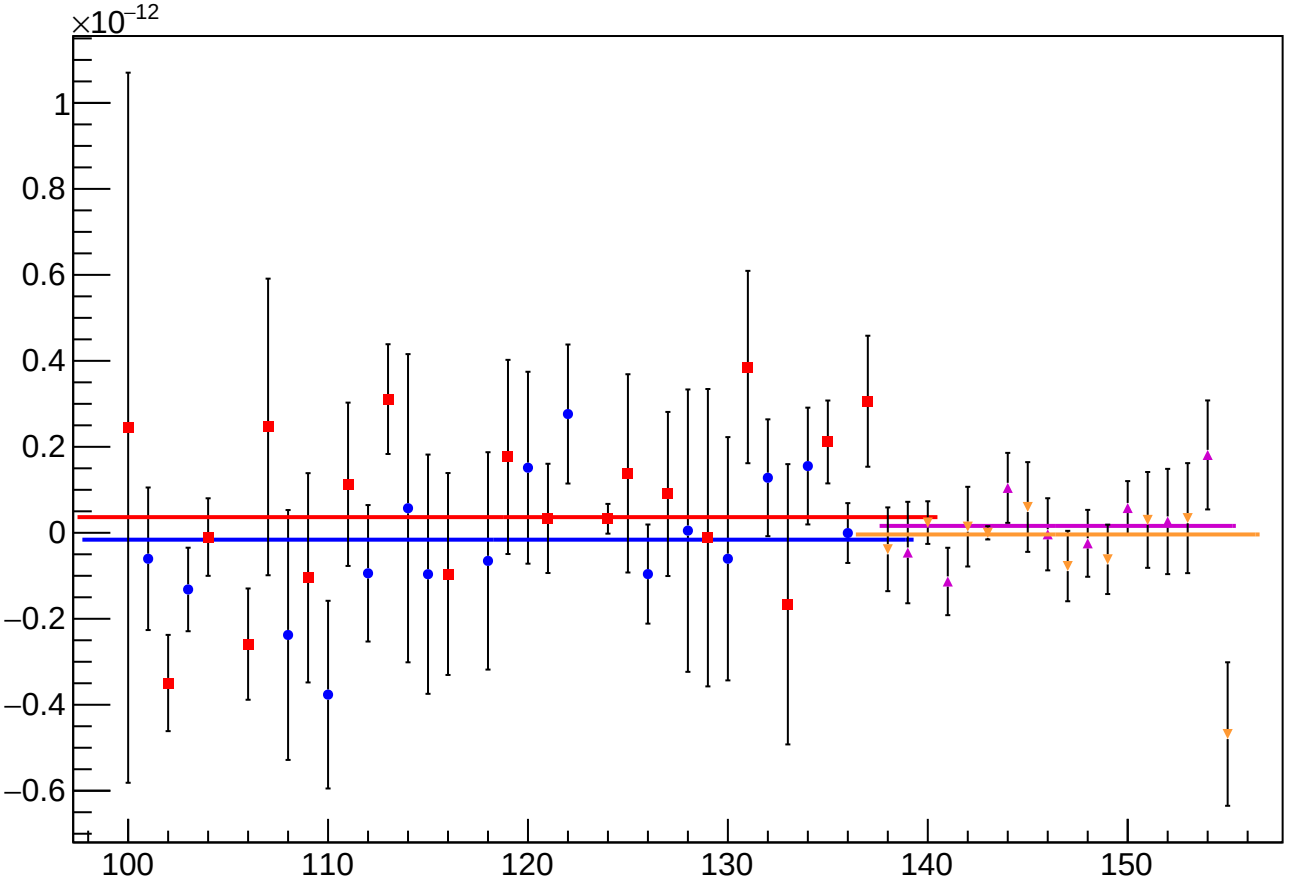
Left In: 321.052+/-0.089 χ^2/NDF:530291.0/7

+ sign 169.083+/-0.036 χ^2/NDF: 7212051.9/25

All: 157.836+/-0.025 χ^2/NDF: 14460213.7/52

- sign 148.404+/-0.033 χ^2/NDF: 7073016.3/26

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/9

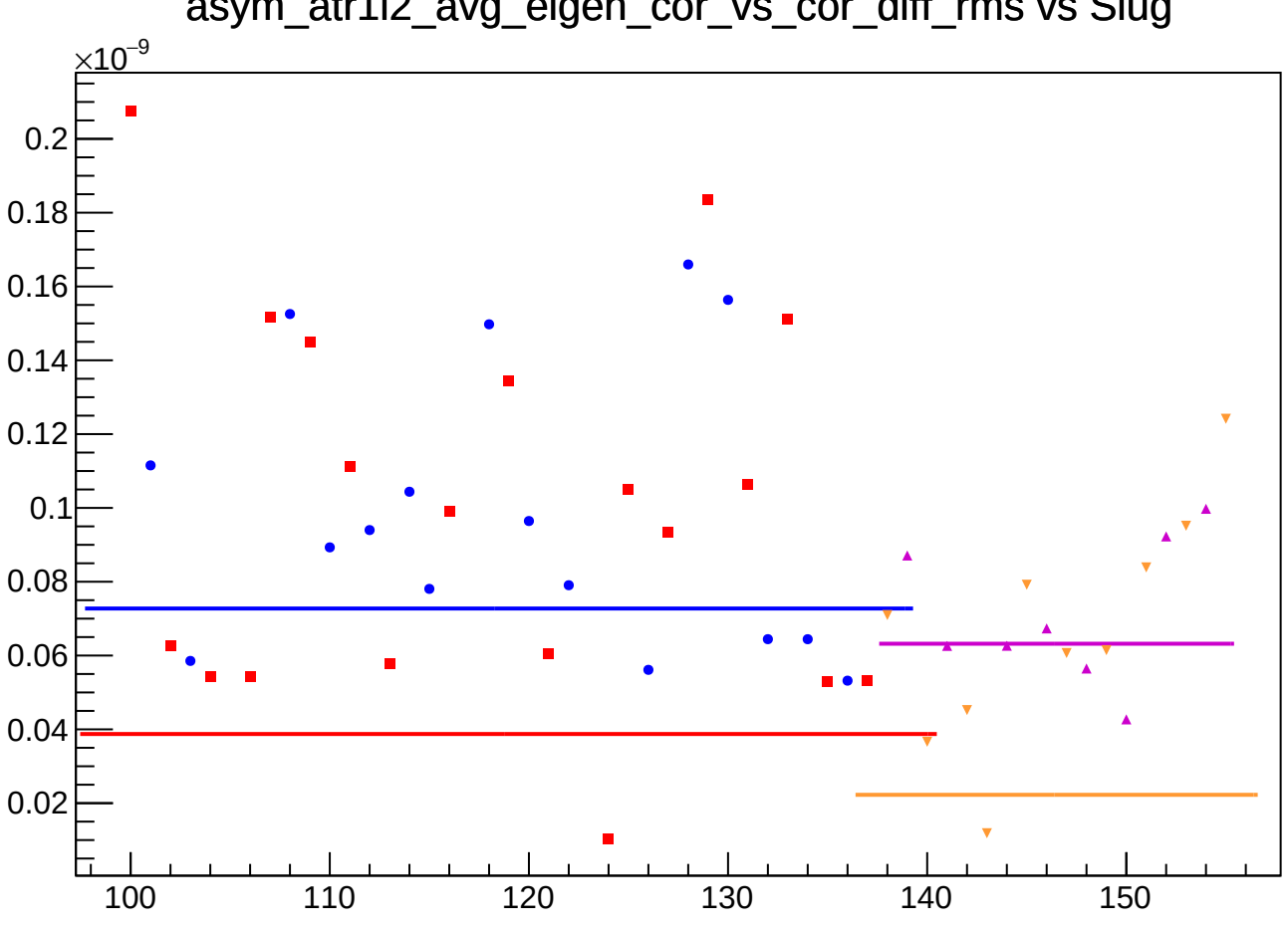
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/25

All: 0.000+/-0.000 χ^2/NDF: 64.7/52

- sign 0.000+/-0.000 χ^2/NDF: 40.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5213736.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

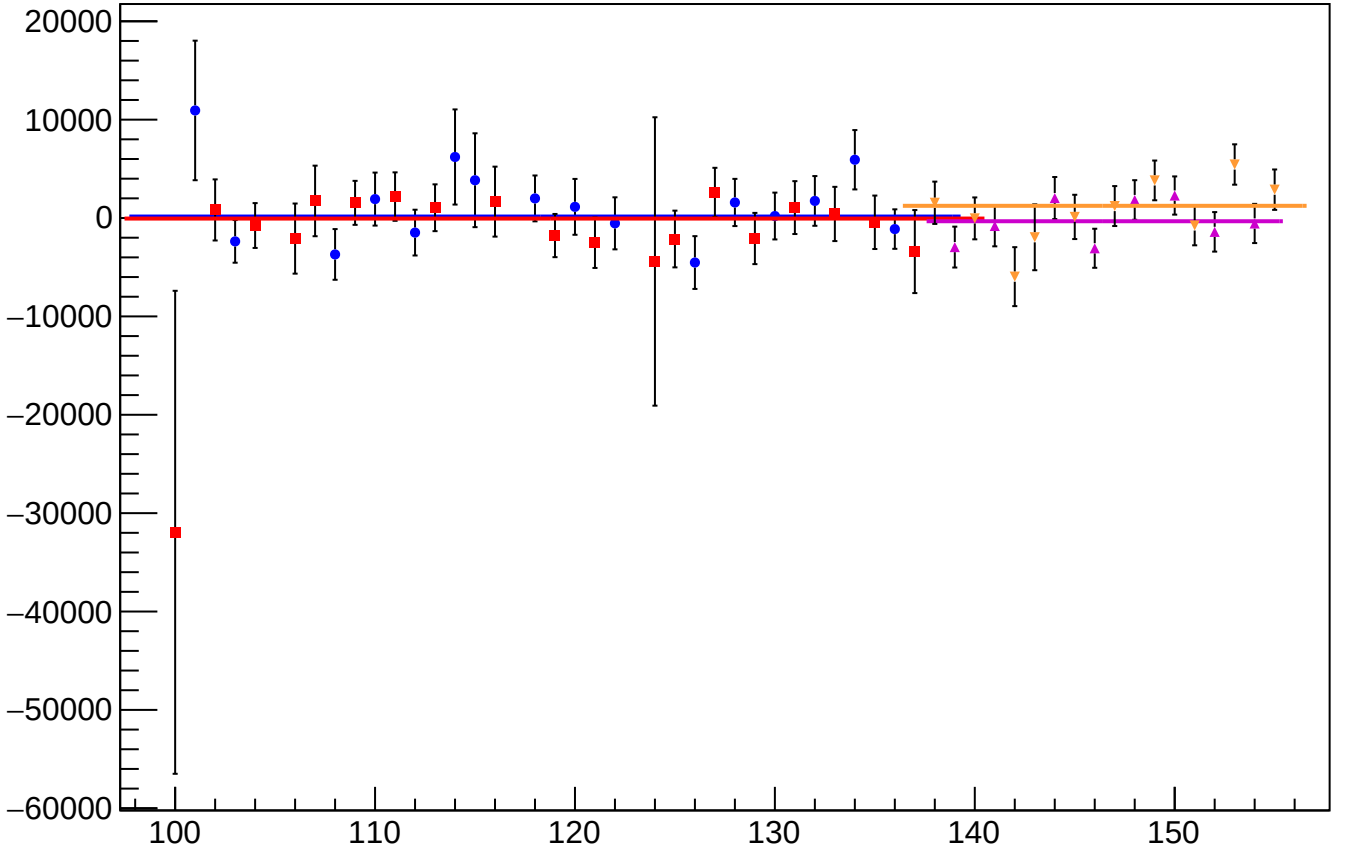
Left In: 0.000+/-0.000 χ^2/NDF:596002.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 9584847.1/25

All: 0.000+/-0.000 χ^2/NDF: 16760389.5/52

- sign 0.000+/-0.000 χ^2/NDF: 5622256.1/26

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1241.167+/-699.658 χ^2/NDF:14.8/9

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

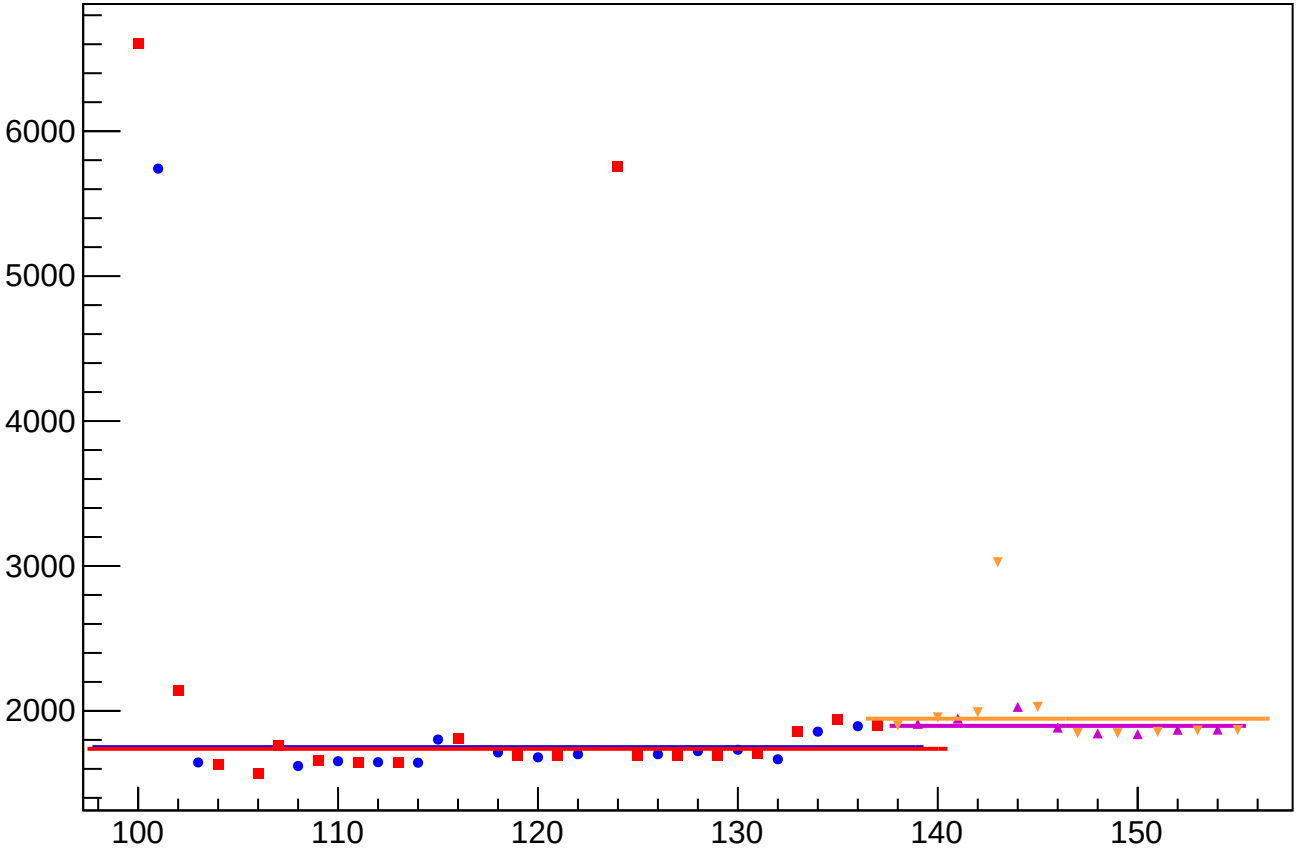
Left In: -326.378+/-716.205 χ^2/NDF:8.1/7

+ sign 669.925+/-482.784 χ^2/NDF: 33.7/25

All: 246.467+/-341.616 χ^2/NDF: 52.3/52

- sign -178.168+/-483.454 χ^2/NDF: 17.1/26

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1946.451+/-0.495 χ^2/NDF:231646.8/9

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

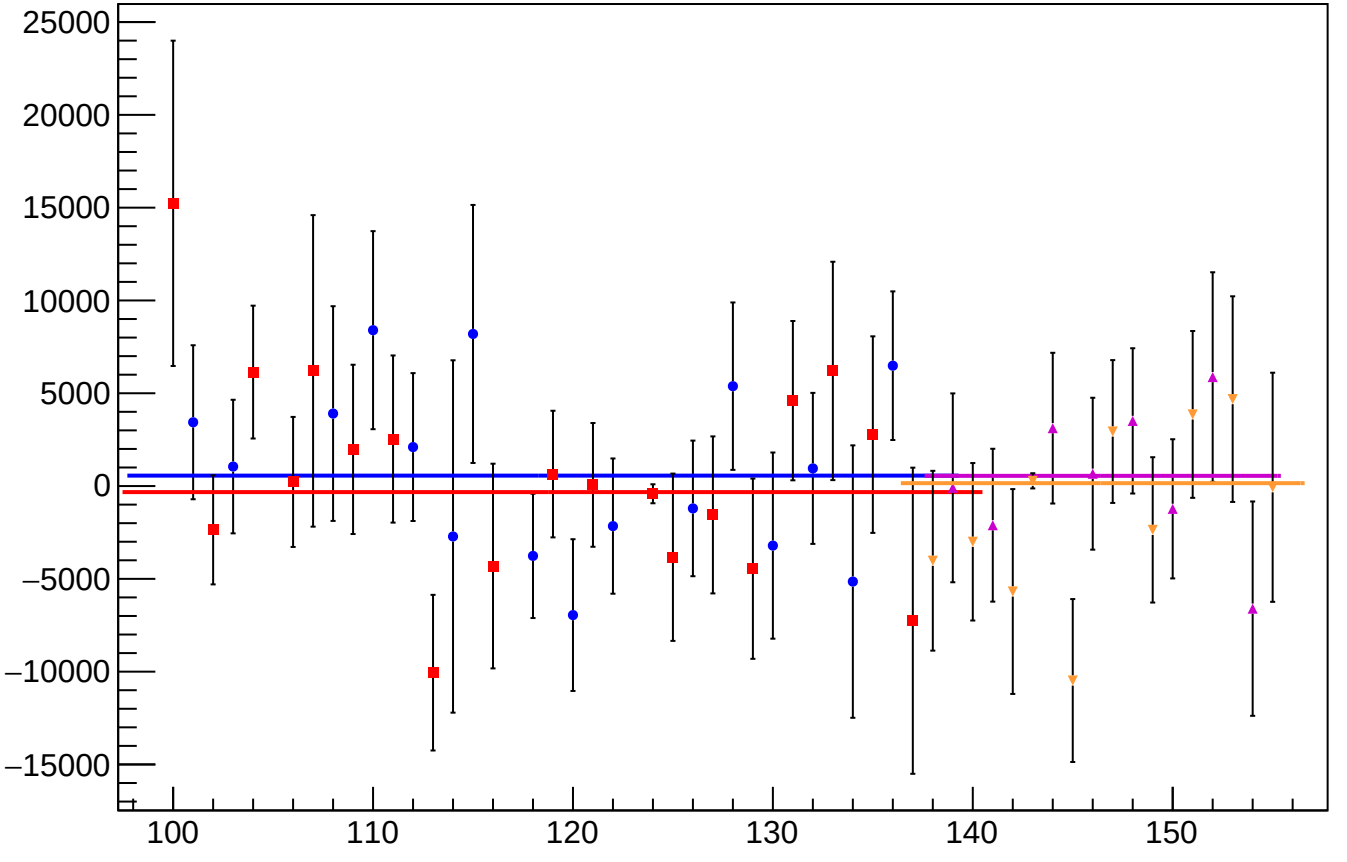
Left In: 1896.809+/-0.506 χ^2/NDF:12603.2/7

+ sign 1843.467+/-0.341 χ^2/NDF: 983937.4/25

All: 1826.716+/-0.241 χ^2/NDF: 1359389.6/52

- sign 1810.053+/-0.340 χ^2/NDF: 370649.4/26

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 155.854+/-395.310 χ^2/NDF:10.7/9

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

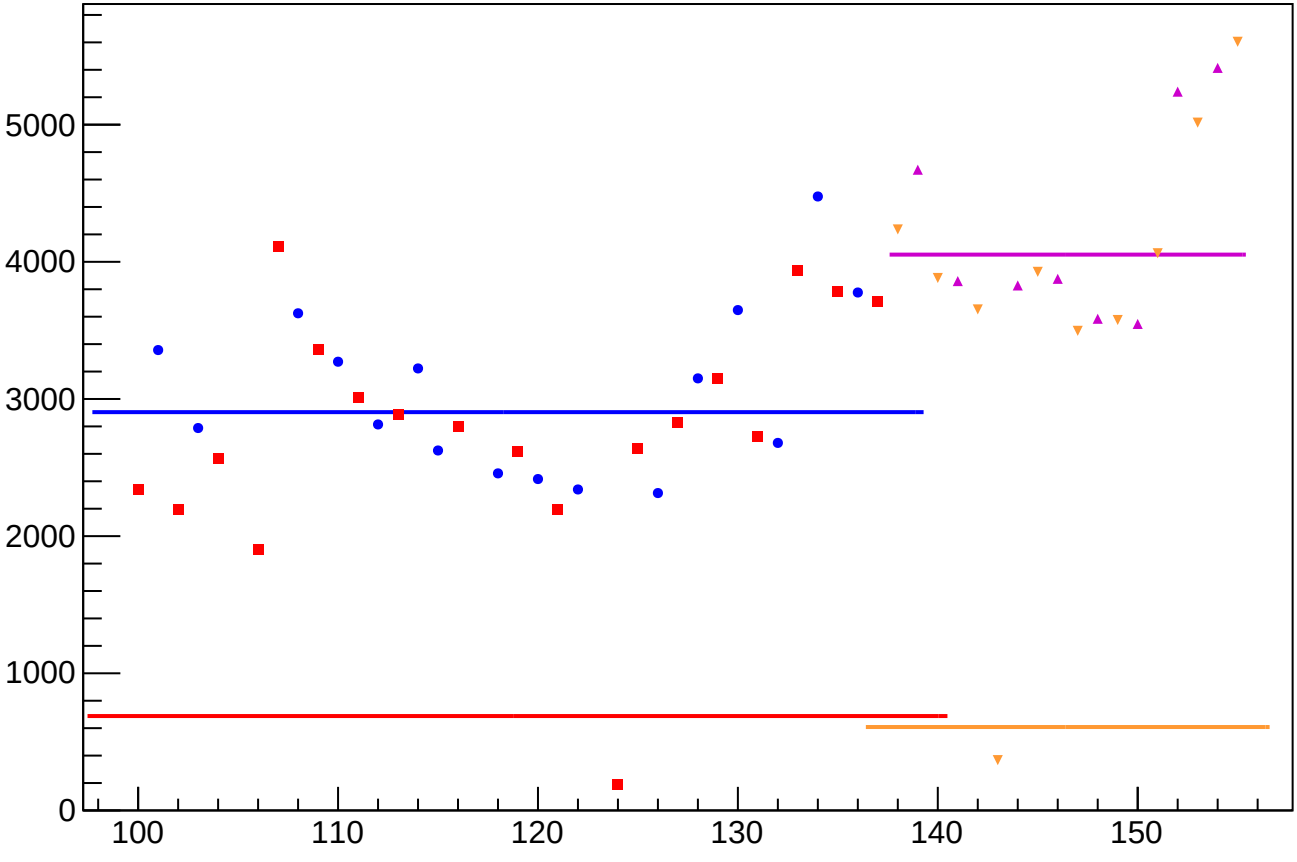
Left In: 550.660+/-1550.954 χ^2/NDF:4.1/7

+ sign 202.259+/-372.061 χ^2/NDF: 25.6/25

All: 11.090+/-283.890 χ^2/NDF: 49.8/52

- sign -255.300+/-439.202 χ^2/NDF: 23.6/26

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 608.283+/-0.280 χ^2/NDF:10794589.0/9

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

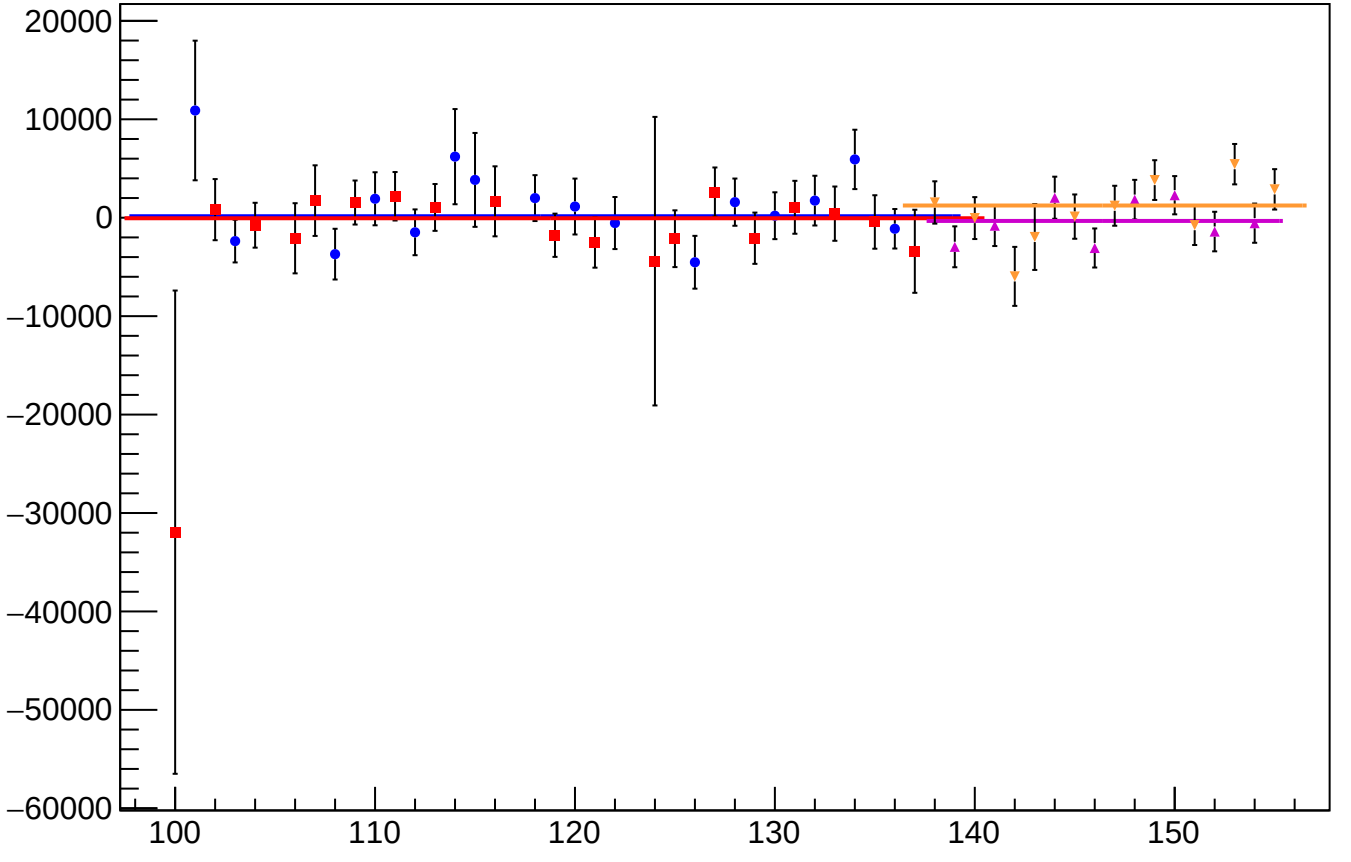
Left In: 4052.608+/-1.097 χ^2/NDF:308474.9/7

+ sign 870.377+/-0.263 χ^2/NDF: 18975232.7/25

All: 907.031+/-0.201 χ^2/NDF: 38135058.4/52

- sign 958.109+/-0.311 χ^2/NDF: 19113364.8/26

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1241.105+/-699.658 χ^2/NDF:14.8/9

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

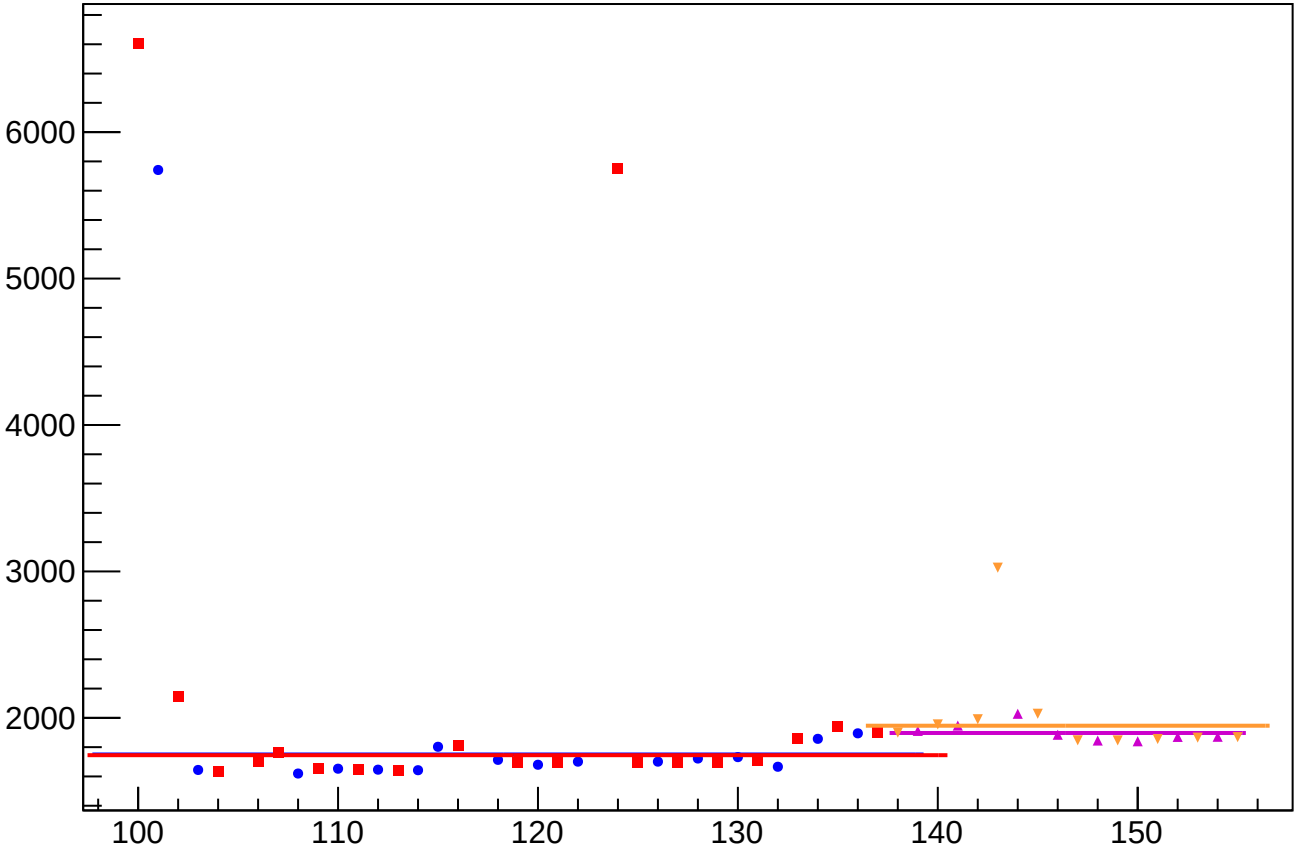
Left In: -326.358+/-716.205 χ^2/NDF:8.1/7

+ sign 669.650+/-482.784 χ^2/NDF: 33.7/25

All: 246.320+/-341.616 χ^2/NDF: 52.3/52

- sign -178.187+/-483.454 χ^2/NDF: 17.1/26

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1946.451+/-0.495 χ^2/NDF:231646.8/9

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

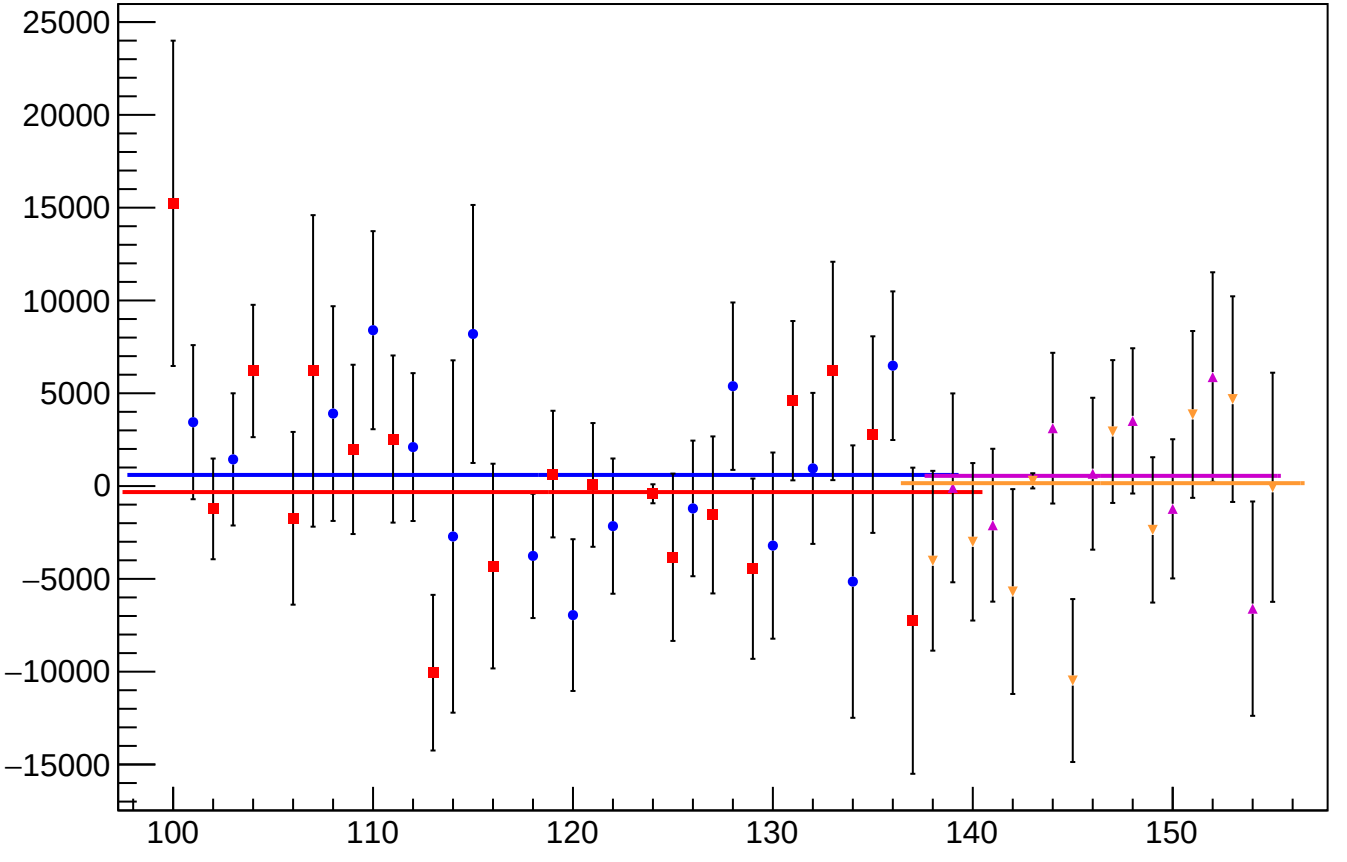
Left In: 1896.810+/-0.506 χ^2/NDF:12603.2/7

+ sign 1843.467+/-0.341 χ^2/NDF: 983937.9/25

All: 1828.721+/-0.241 χ^2/NDF: 1347208.1/52

- sign 1813.994+/-0.341 χ^2/NDF: 359540.8/26

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 156.809+/-395.343 χ^2/NDF:10.7/9

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

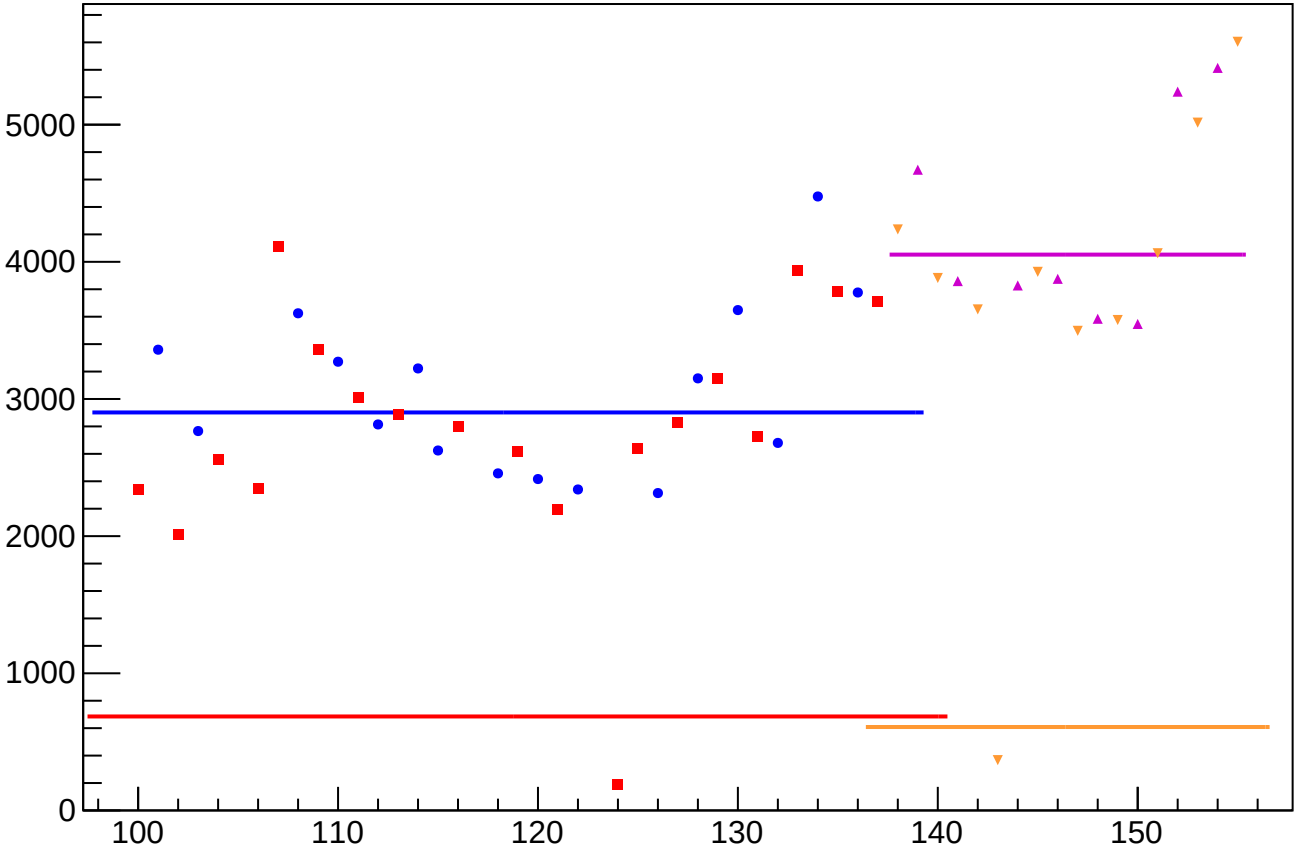
Left In: 550.756+/-1550.950 χ^2/NDF:4.1/7

+ sign 207.521+/-372.049 χ^2/NDF: 25.7/25

All: 15.606+/-284.102 χ^2/NDF: 49.7/52

- sign -252.824+/-440.009 χ^2/NDF: 23.4/26

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 608.362+/-0.280 χ^2/NDF:10794237.1/9

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

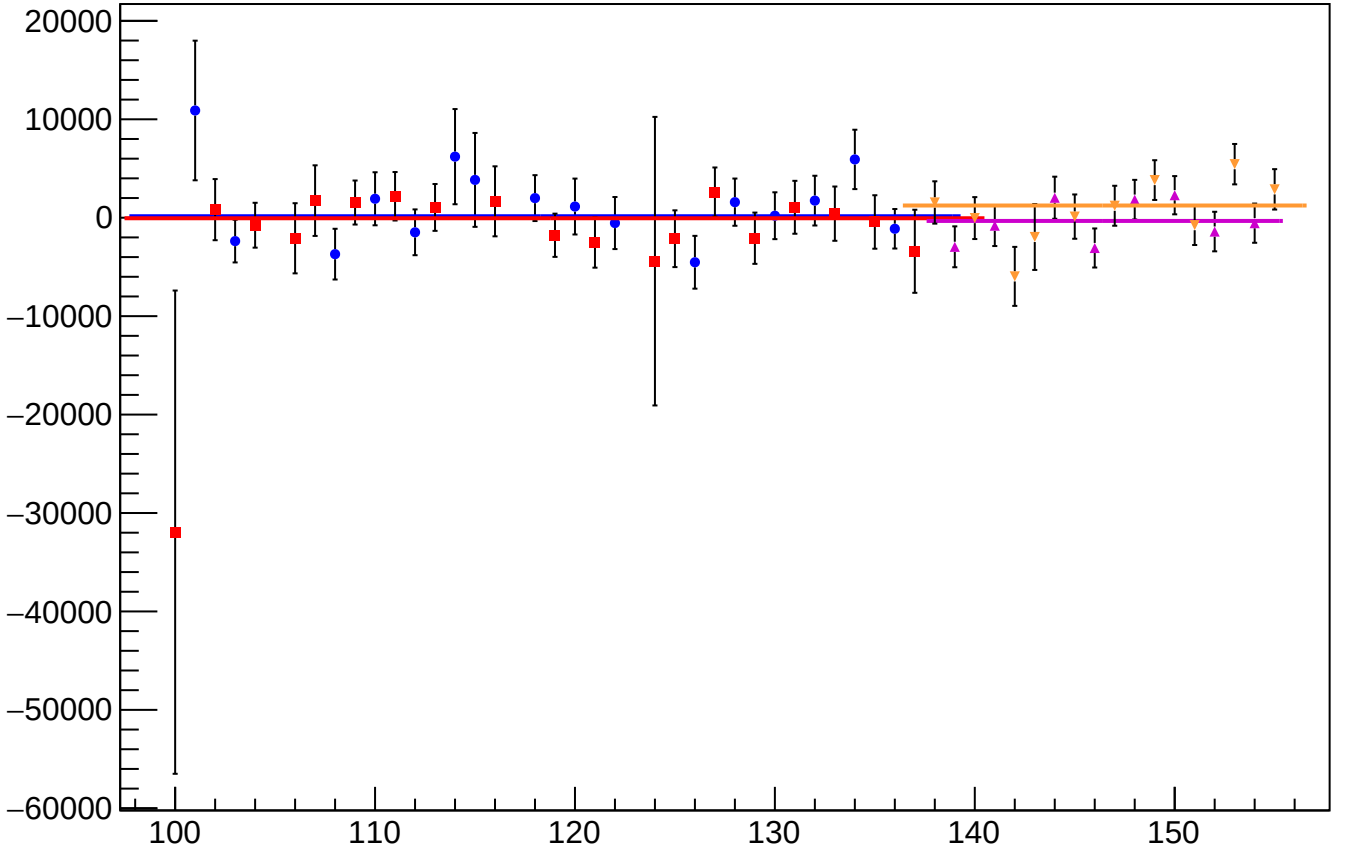
Left In: 4052.597+/-1.097 χ^2/NDF:308479.1/7

+ sign 870.671+/-0.263 χ^2/NDF: 18973473.2/25

All: 906.363+/-0.201 χ^2/NDF: 38100847.2/52

- sign 956.285+/-0.311 χ^2/NDF: 19083222.8/26

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1241.105+/-699.658 χ^2/NDF:14.8/9

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

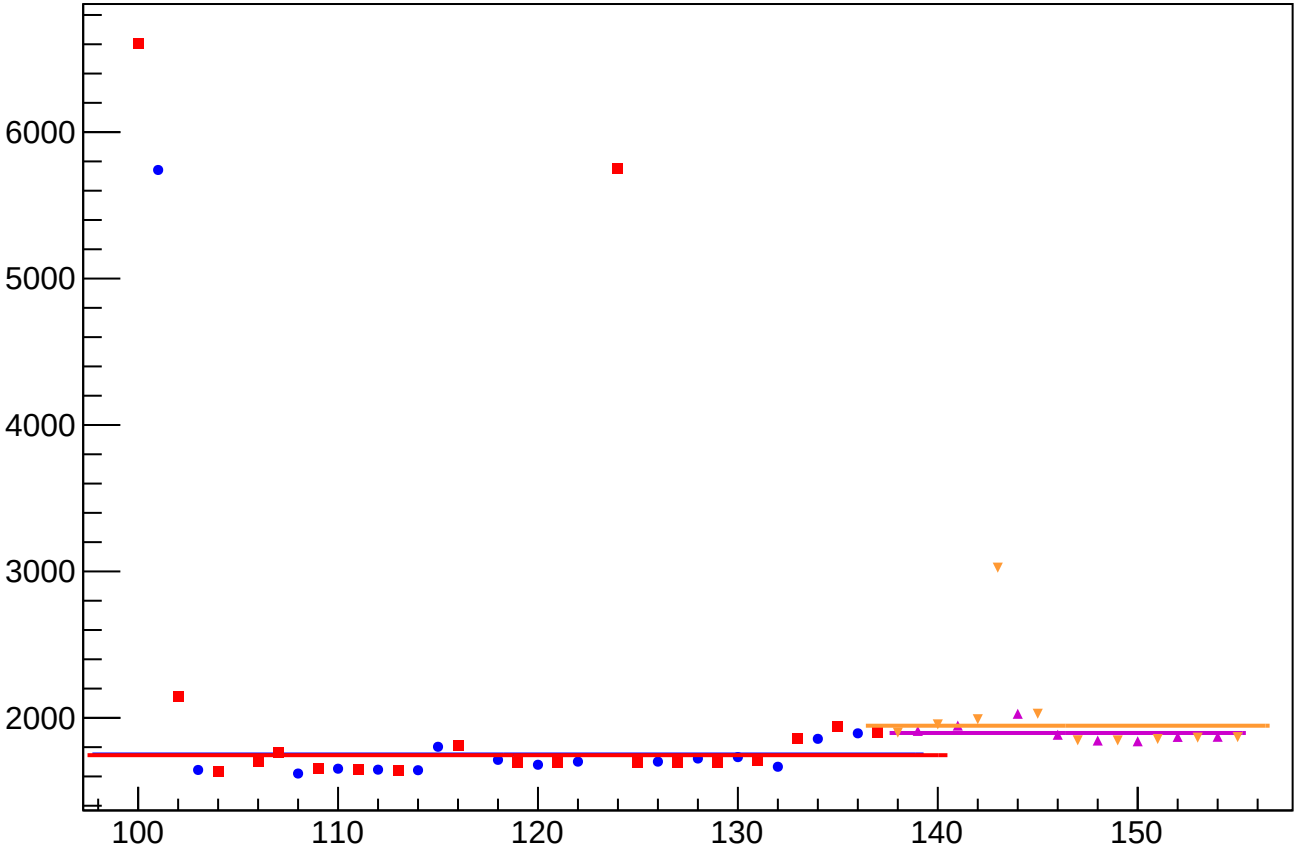
Left In: -326.358+/-716.205 χ^2/NDF:8.1/7

+ sign 669.650+/-482.784 χ^2/NDF: 33.7/25

All: 246.320+/-341.616 χ^2/NDF: 52.3/52

- sign -178.187+/-483.454 χ^2/NDF: 17.1/26

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1946.451+/-0.495 χ^2/NDF:231646.8/9

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

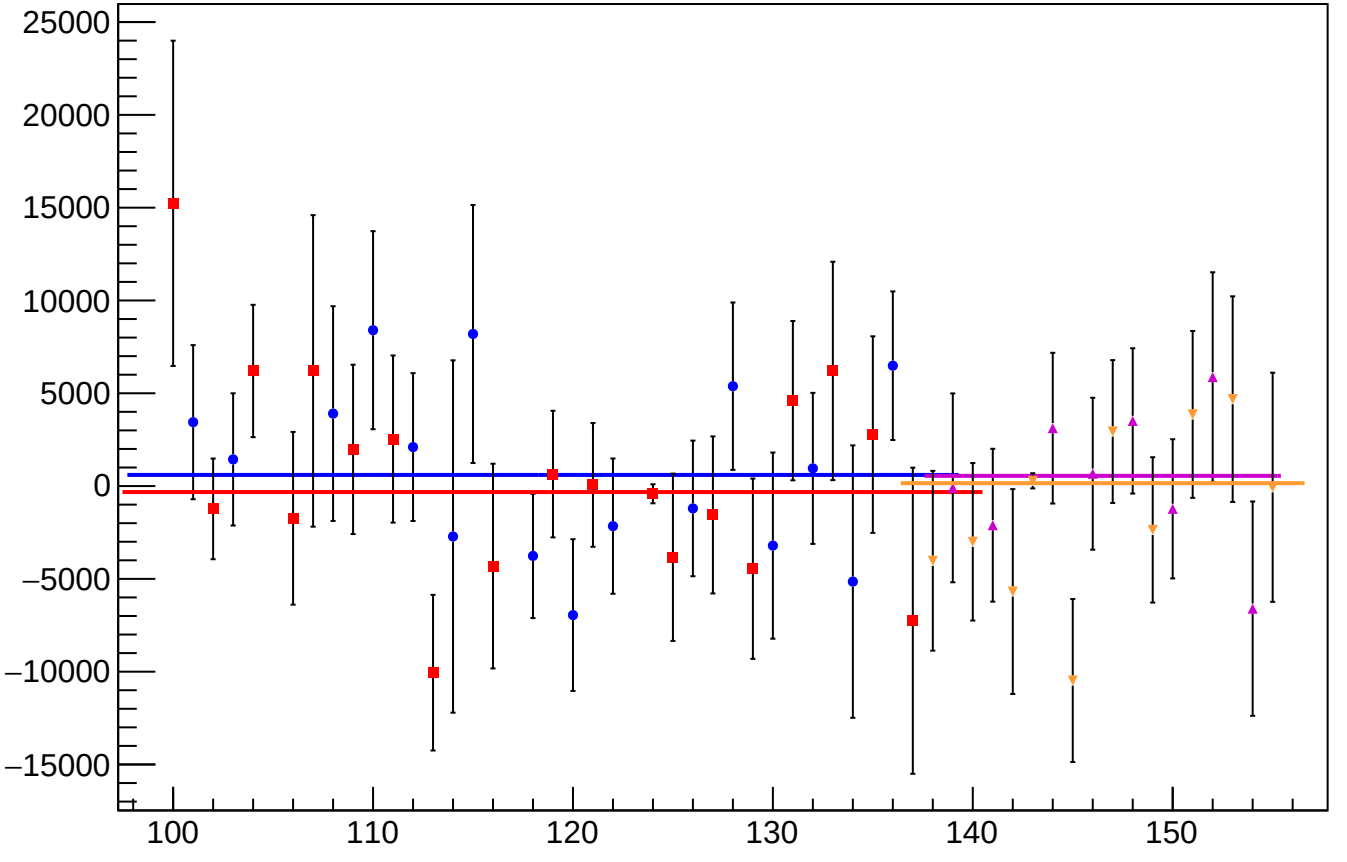
Left In: 1896.810+/-0.506 χ^2/NDF:12603.2/7

+ sign 1843.467+/-0.341 χ^2/NDF: 983937.9/25

All: 1828.721+/-0.241 χ^2/NDF: 1347208.1/52

- sign 1813.994+/-0.341 χ^2/NDF: 359540.8/26

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 156.809+/-395.343 χ^2/NDF:10.7/9

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

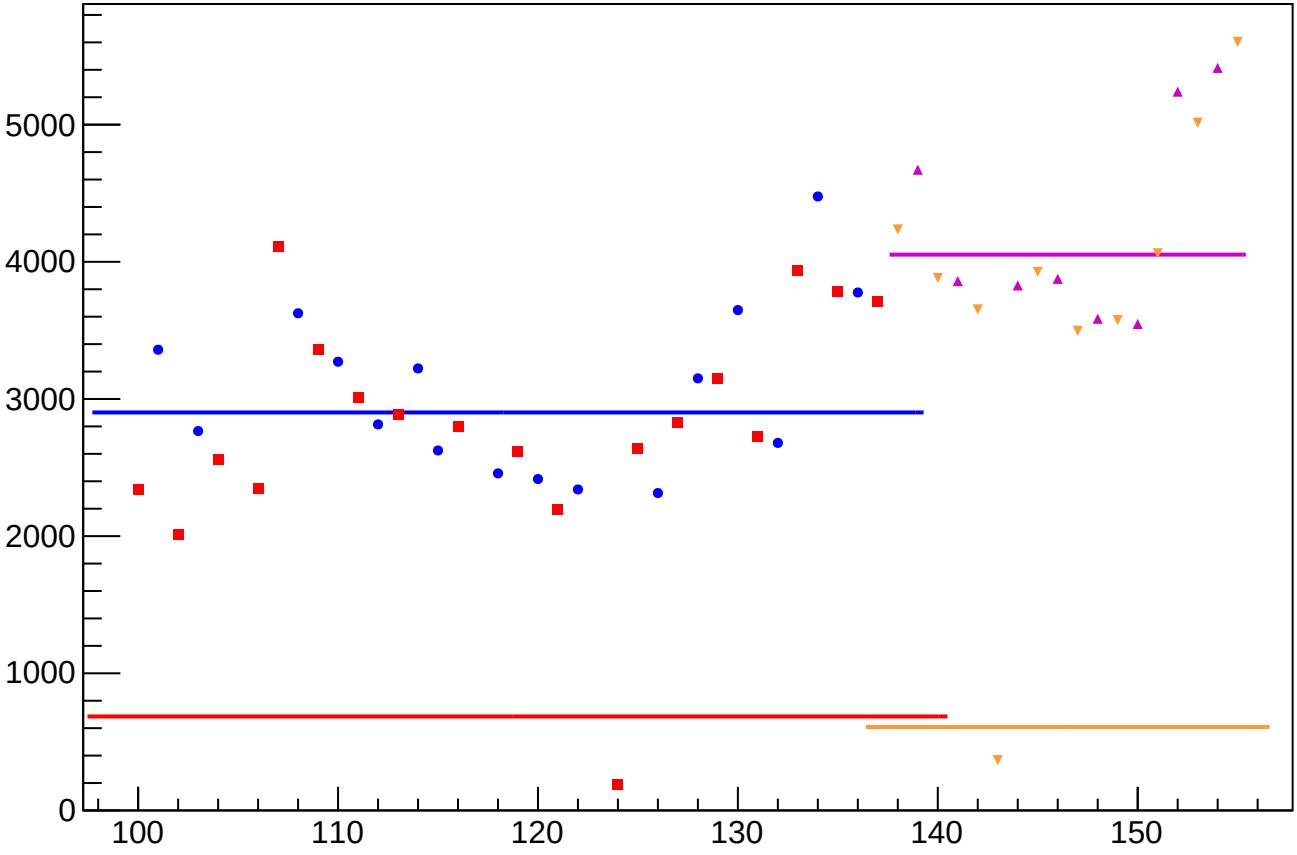
Left In: 550.756+/-1550.950 χ^2/NDF:4.1/7

+ sign 207.521+/-372.049 χ^2/NDF: 25.7/25

All: 15.606+/-284.102 χ^2/NDF: 49.7/52

- sign -252.824+/-440.009 χ^2/NDF: 23.4/26

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 608.362+/-0.280 χ^2/NDF:10794237.1/9

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

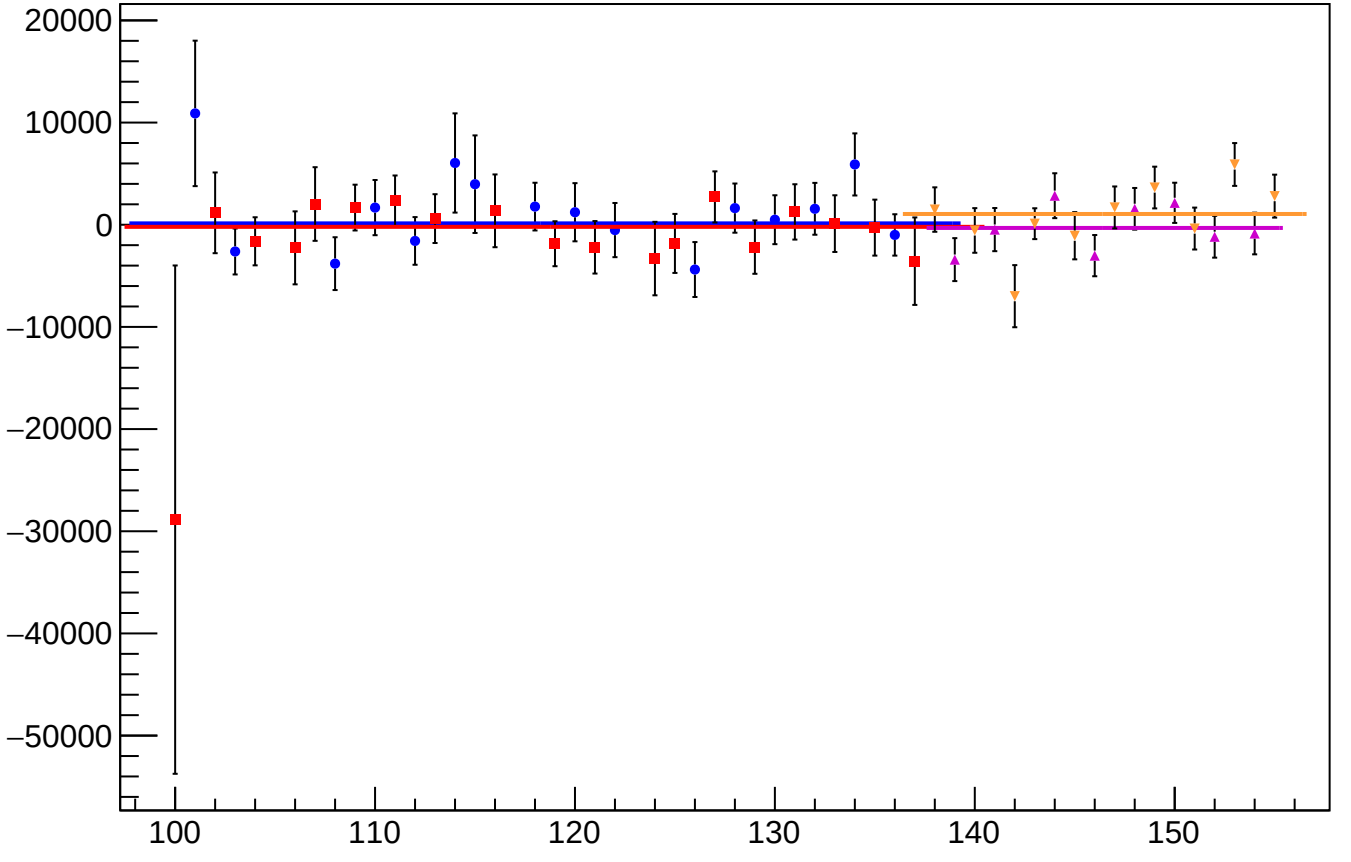
Left In: 4052.597+/-1.097 χ^2/NDF:308479.1/7

\+ sign 870.671+/-0.263 χ^2/NDF: 18973473.2/25

All: 906.363+/-0.201 χ^2/NDF: 38100847.2/52

\- sign 956.285+/-0.311 χ^2/NDF: 19083222.8/26

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1053.187+/-656.016 χ^2/NDF:17.1/9

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

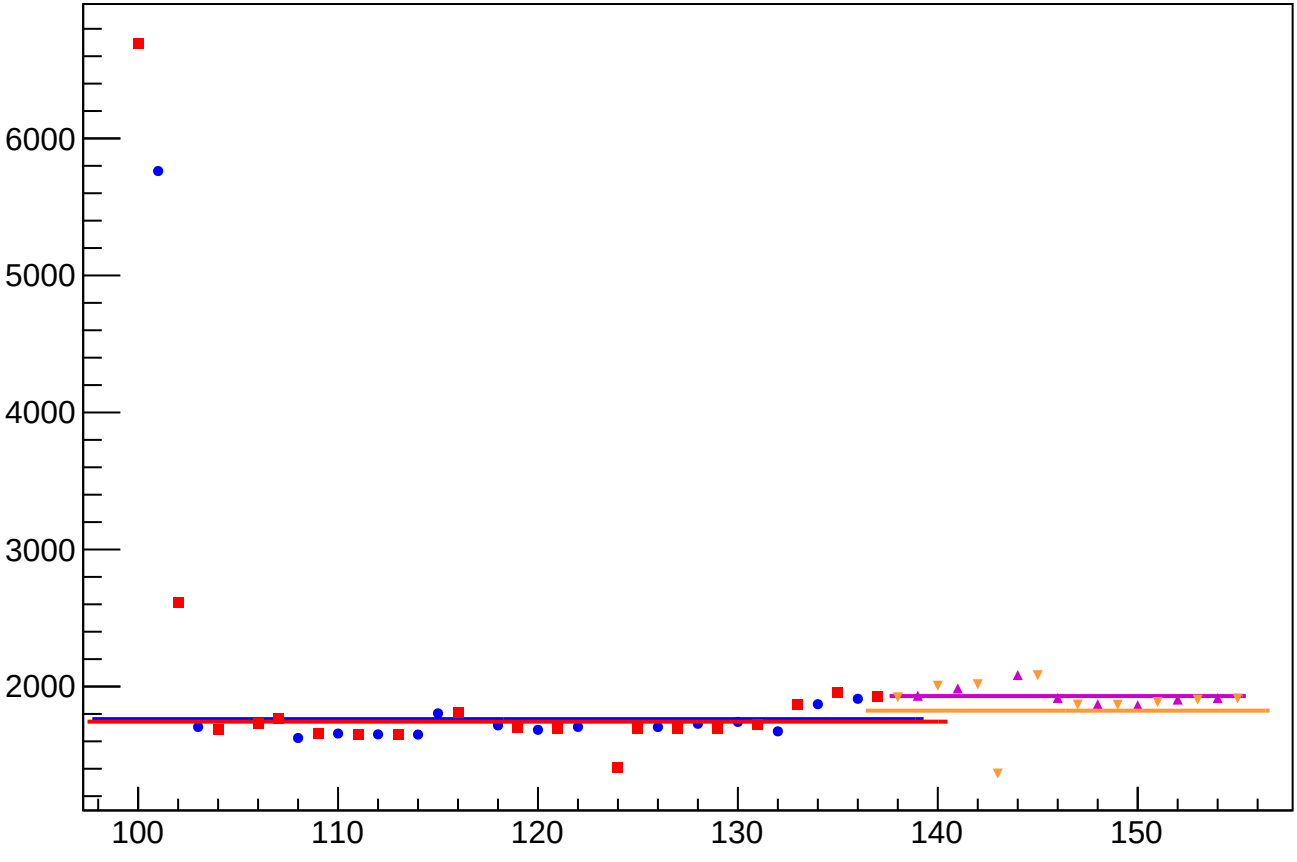
Left In: -313.066+/-729.013 χ^2/NDF:8.7/7

+ sign 604.317+/-469.293 χ^2/NDF: 35.3/25

All: 191.304+/-337.926 χ^2/NDF: 55.3/52

- sign -253.460+/-486.998 χ^2/NDF: 18.4/26

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1823.957+/-0.464 χ^2/NDF:246320.6/9

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

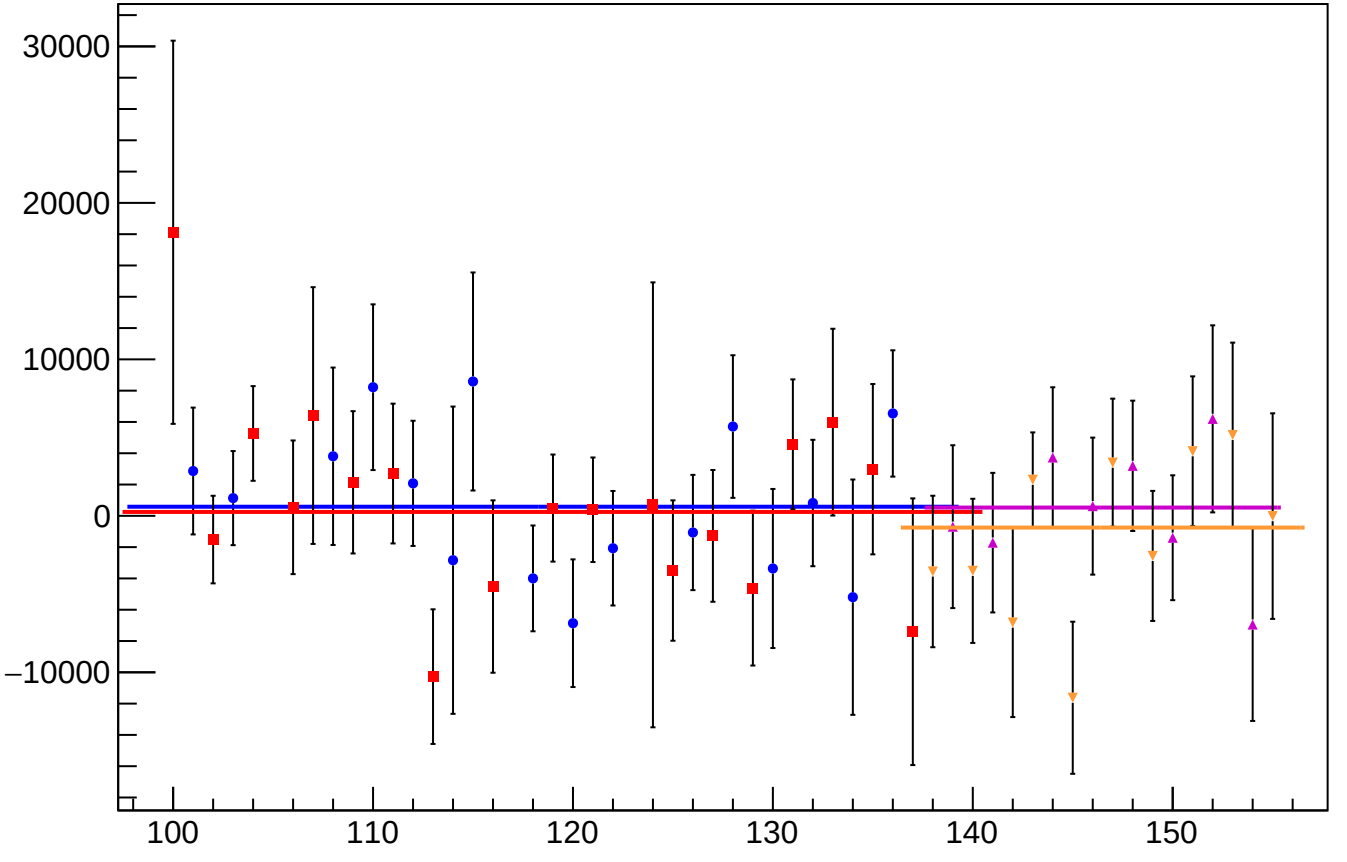
Left In: 1930.426+/-0.515 χ^2/NDF:15802.8/7

+ sign 1793.732+/-0.332 χ^2/NDF: 922712.8/25

All: 1809.668+/-0.239 χ^2/NDF: 1243885.4/52

- sign 1826.774+/-0.344 χ^2/NDF: 316390.8/26

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -750.622+/-1440.514 χ^2/NDF:11.0/9

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

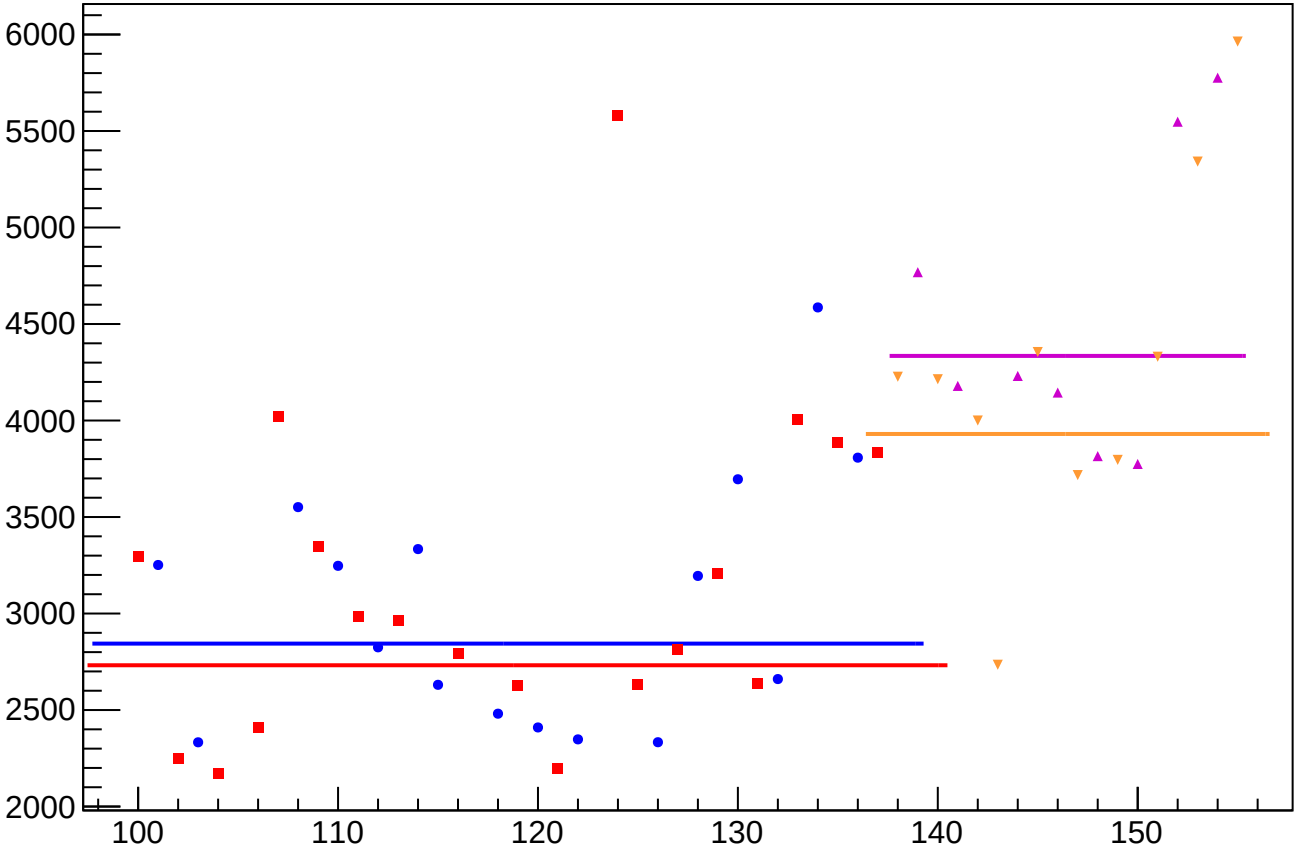
Left In: 529.467+/-1657.895 χ^2/NDF:3.8/7

\+ sign 101.776+/-864.869 χ^2/NDF: 26.4/25

All: 213.808+/-613.141 χ^2/NDF: 48.2/52

\- sign 327.010+/-869.374 χ^2/NDF: 21.8/26

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3930.283+/-1.019 χ^2/NDF:670147.9/9

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

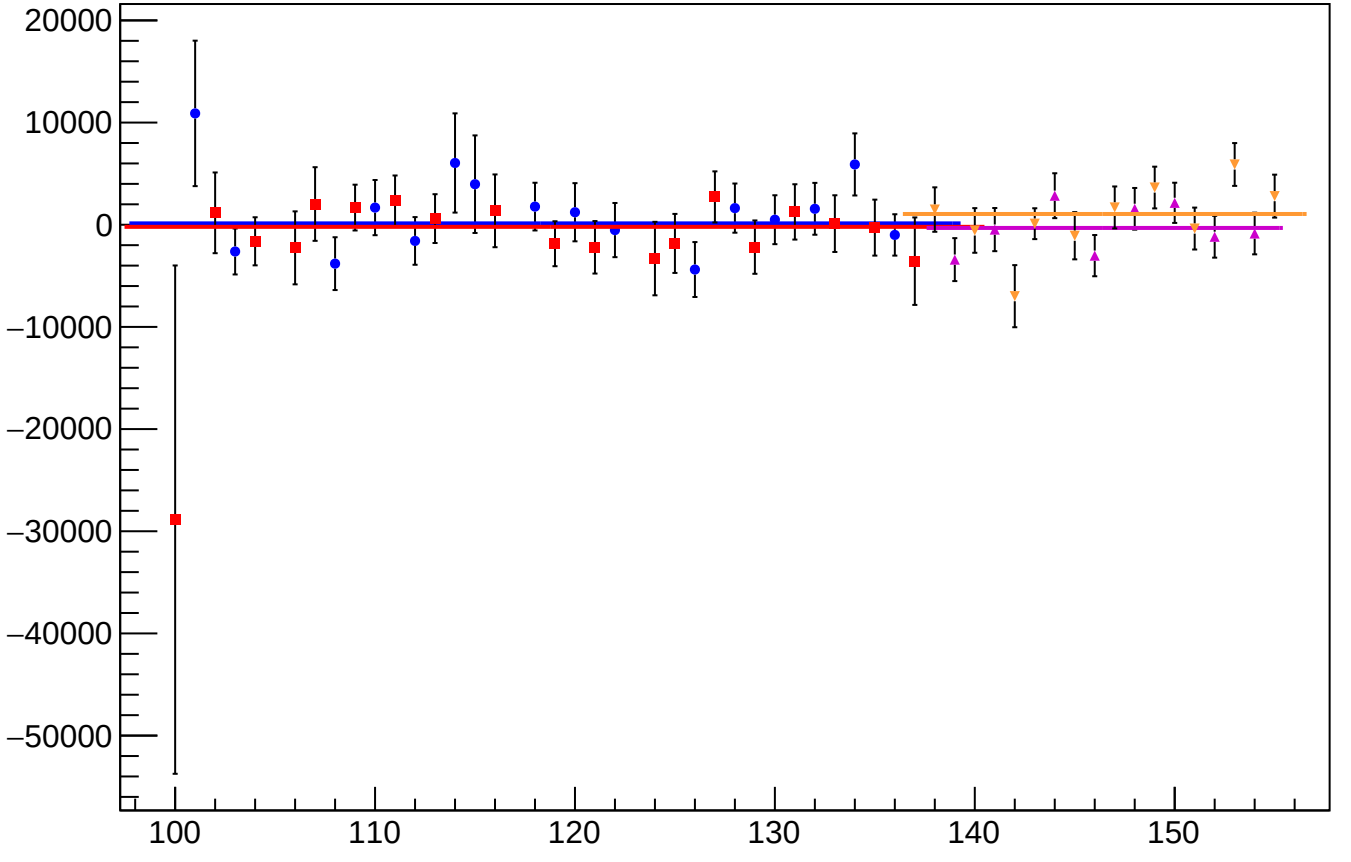
Left In: 4334.772+/-1.172 χ^2/NDF:283507.9/7

+ sign 3235.667+/-0.612 χ^2/NDF: 1939327.2/25

All: 3204.353+/-0.434 χ^2/NDF: 4194640.7/52

- sign 3172.712+/-0.615 χ^2/NDF: 2250042.4/26

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1053.181+/-656.016 χ^2/NDF:17.1/9

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

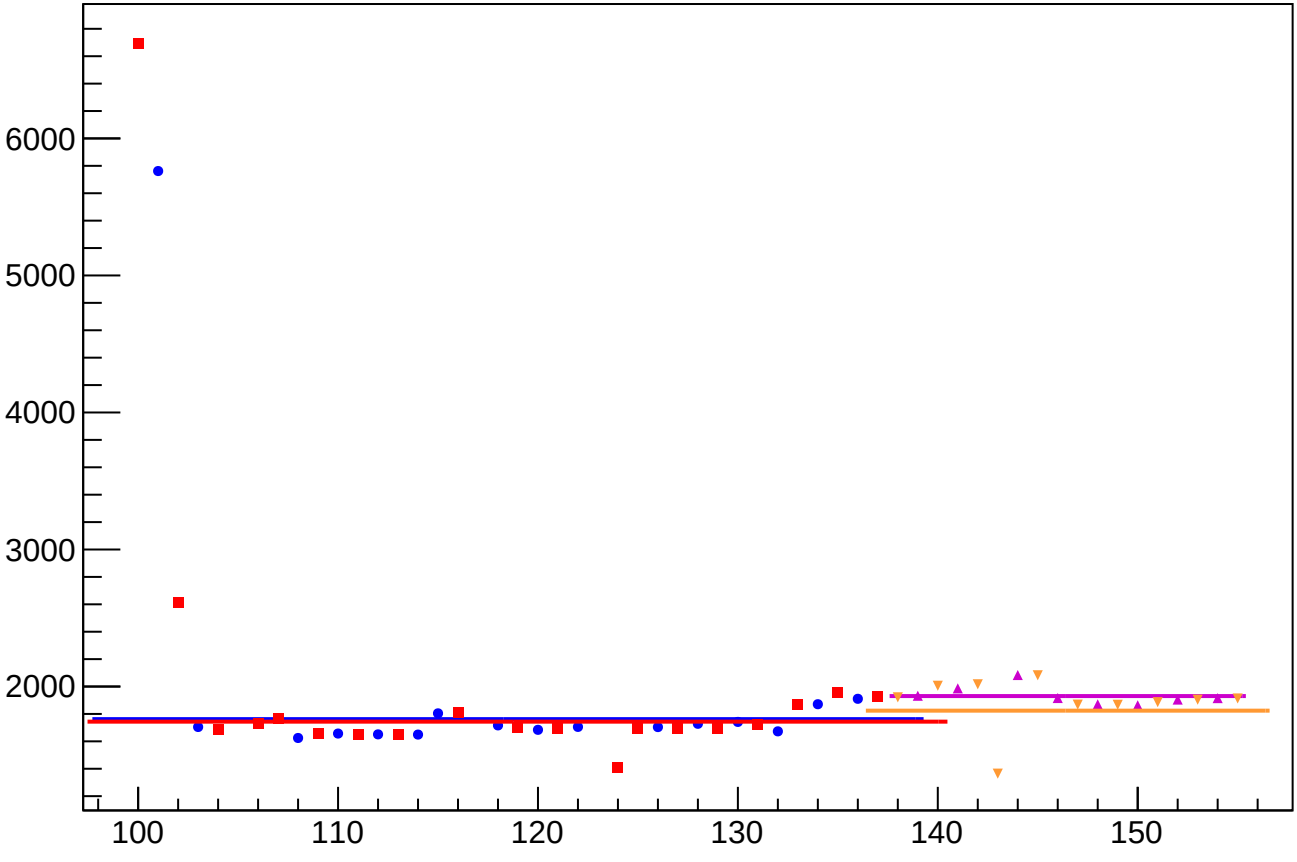
Left In: -313.064+/-729.014 χ^2/NDF:8.7/7

+ sign 604.313+/-469.293 χ^2/NDF: 35.3/25

All: 191.303+/-337.926 χ^2/NDF: 55.3/52

- sign -253.458+/-486.998 χ^2/NDF: 18.4/26

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1823.958+/-0.464 χ^2/NDF:246321.6/9

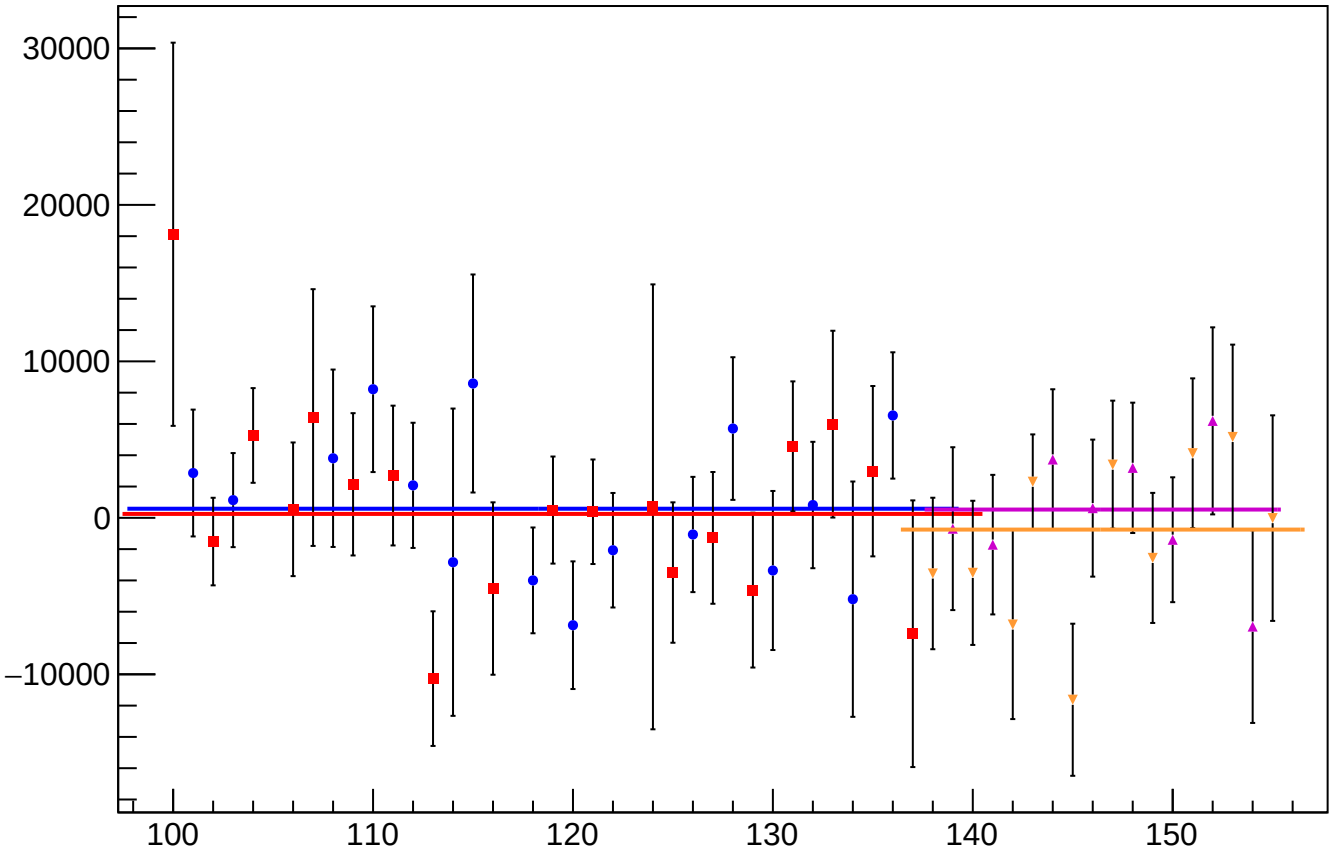
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1930.427+/-0.515 χ^2/NDF:15803.0/7

+ sign 1793.732+/-0.332 χ^2/NDF: 922714.0/25

All: 1809.668+/-0.239 χ^2/NDF: 1243887.5/52

- sign 1826.775+/-0.344 χ^2/NDF: 316391.7/26



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -750.620+/-1440.516 χ^2/NDF:11.0/9

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

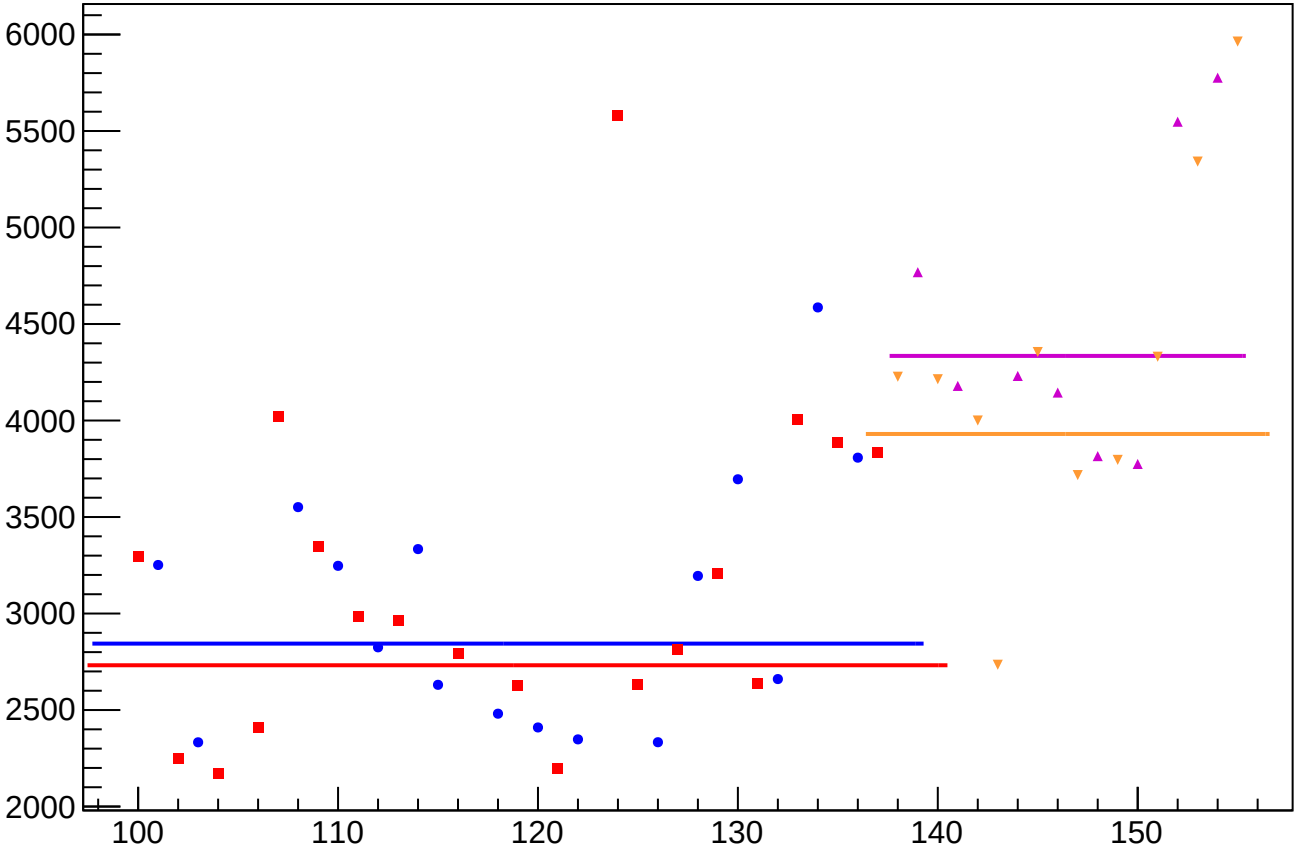
Left In: 529.468+/-1657.897 χ^2/NDF:3.8/7

\+ sign 101.776+/-864.868 χ^2/NDF: 26.4/25

All: 213.808+/-613.140 χ^2/NDF: 48.2/52

\- sign 327.011+/-869.372 χ^2/NDF: 21.8/26

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3930.287+/-1.019 χ^2/NDF:670152.4/9

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

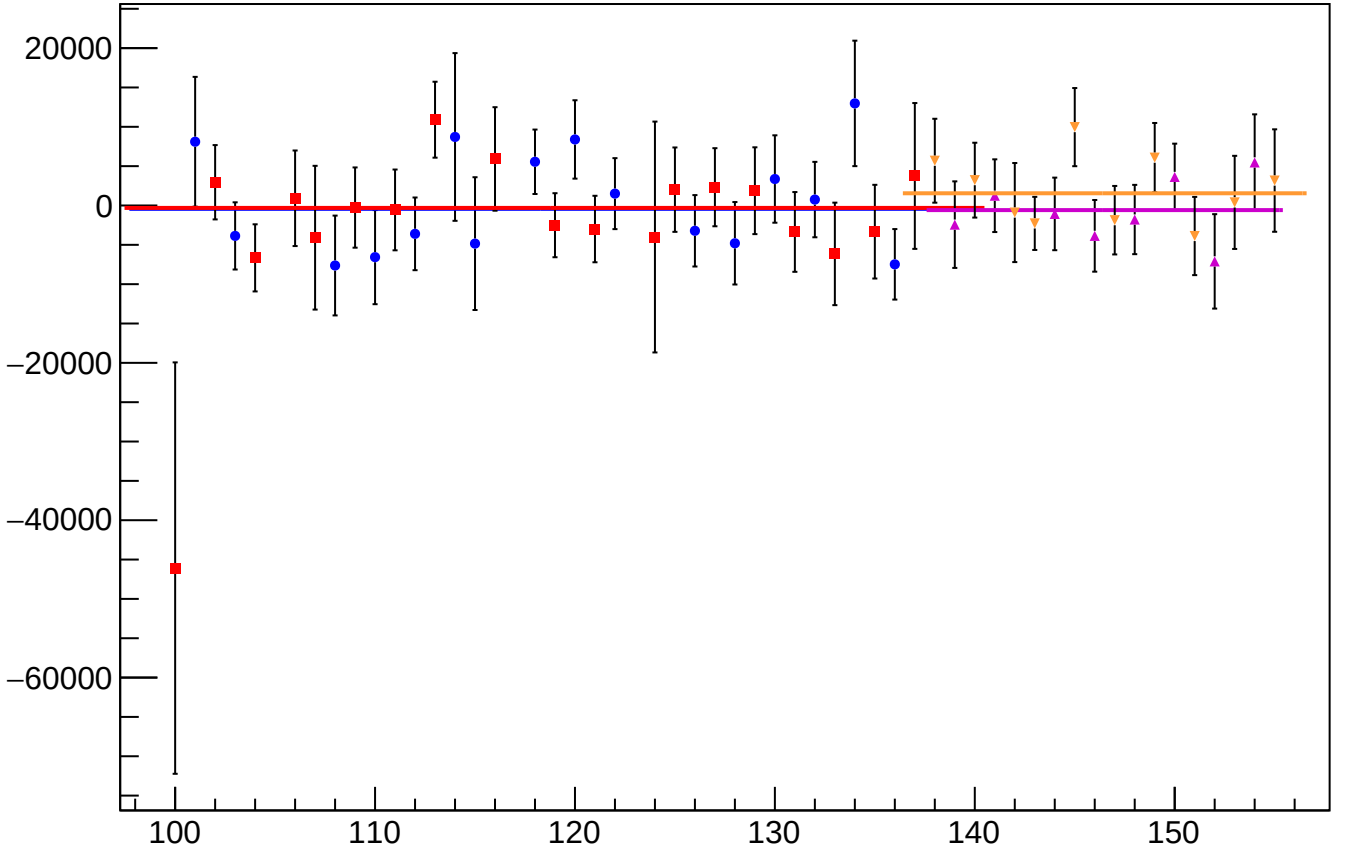
Left In: 4334.777+/-1.172 χ^2/NDF:283510.2/7

+ sign 3235.662+/-0.612 χ^2/NDF: 1939351.2/25

All: 3204.348+/-0.434 χ^2/NDF: 4194681.8/52

- sign 3172.707+/-0.615 χ^2/NDF: 2250059.6/26

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1552.297+/-1525.463 χ^2/NDF:8.0/9

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

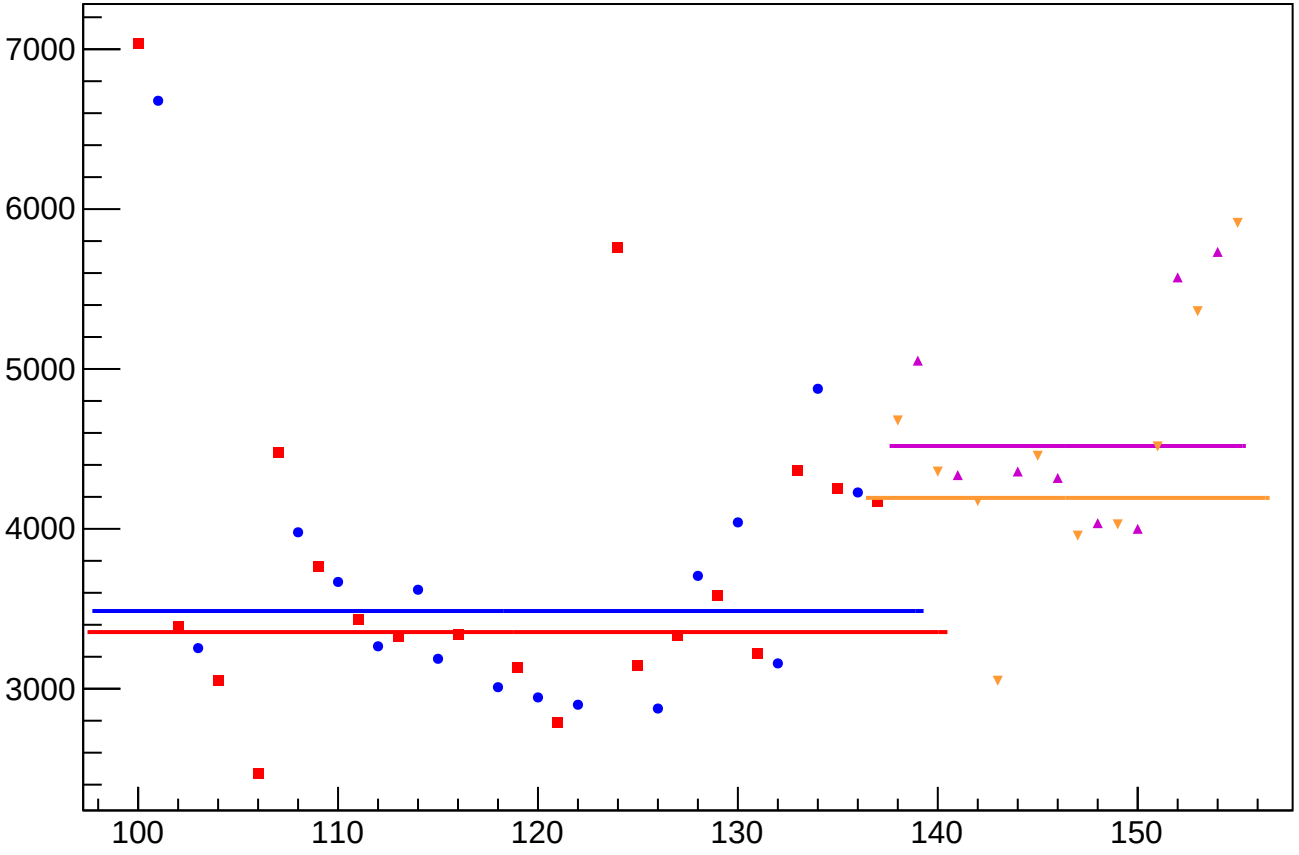
Left In: -586.236+/-1722.135 χ^2/NDF:4.0/7

+ sign 427.991+/-1001.306 χ^2/NDF: 26.8/25

All: 20.555+/-716.293 χ^2/NDF: 46.5/52

- sign -406.470+/-1025.094 χ^2/NDF: 19.3/26

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4193.687+/-1.079 χ^2/NDF:488697.1/9

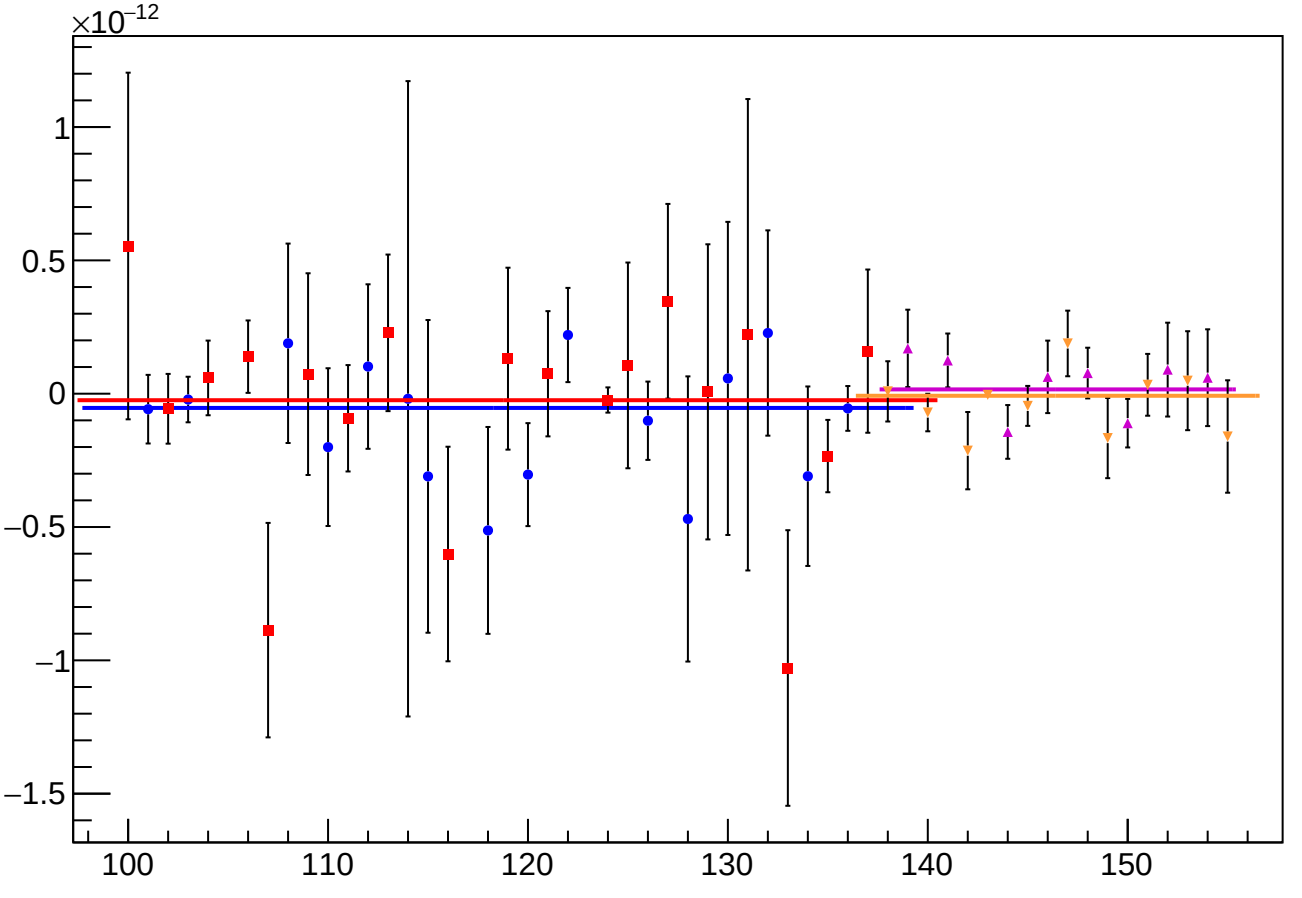
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4518.200+/-1.218 χ^2/NDF:222923.9/7

+ sign 3791.005+/-0.708 χ^2/NDF: 1329353.9/25

All: 3775.394+/-0.504 χ^2/NDF: 2525260.0/52

- sign 3759.328+/-0.718 χ^2/NDF: 1194919.7/26



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

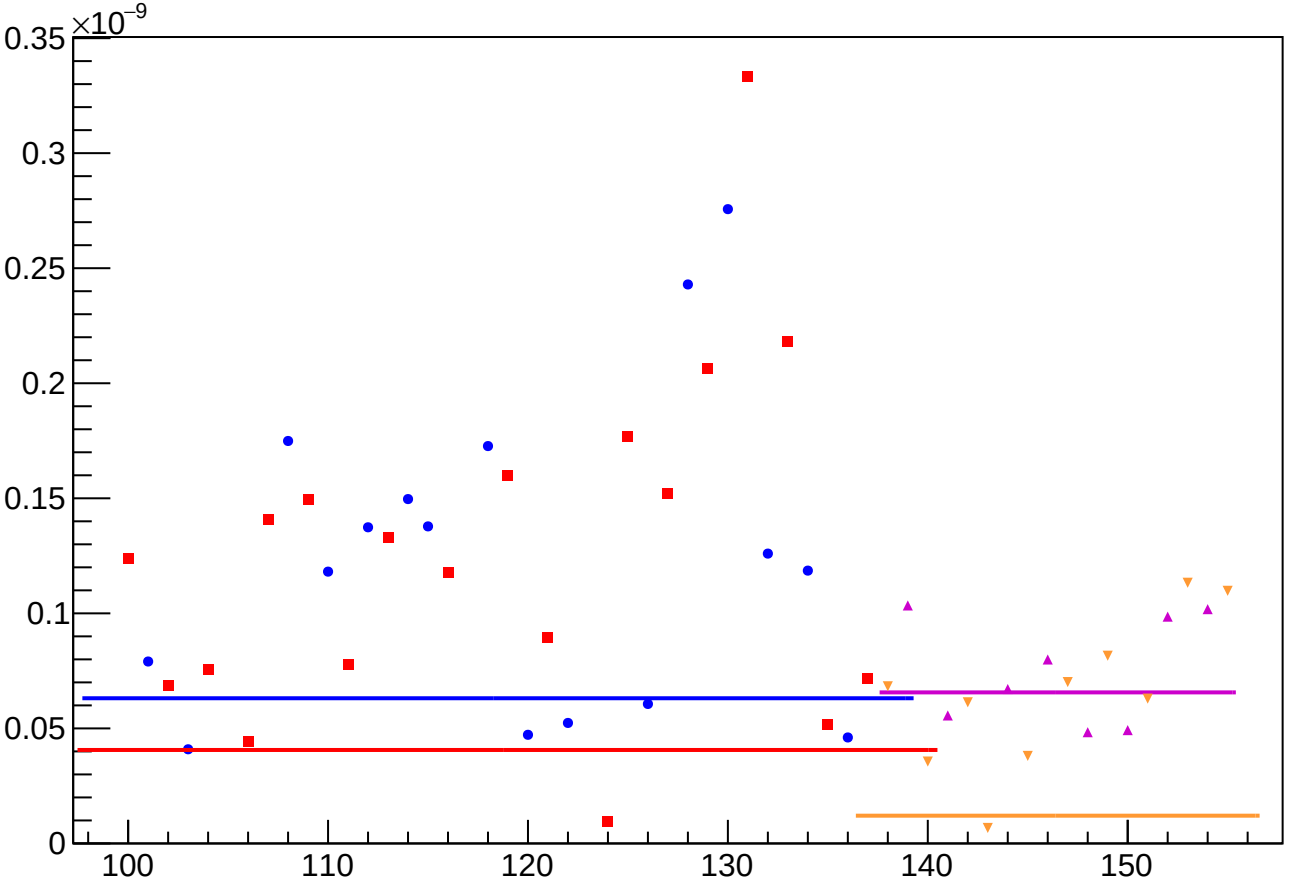
Left In: 0.000+/-0.000 χ^2/NDF:7.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 17.1/25

All: -0.000+/-0.000 χ^2/NDF: 43.6/52

- sign -0.000+/-0.000 χ^2/NDF: 26.4/26

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3813118.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

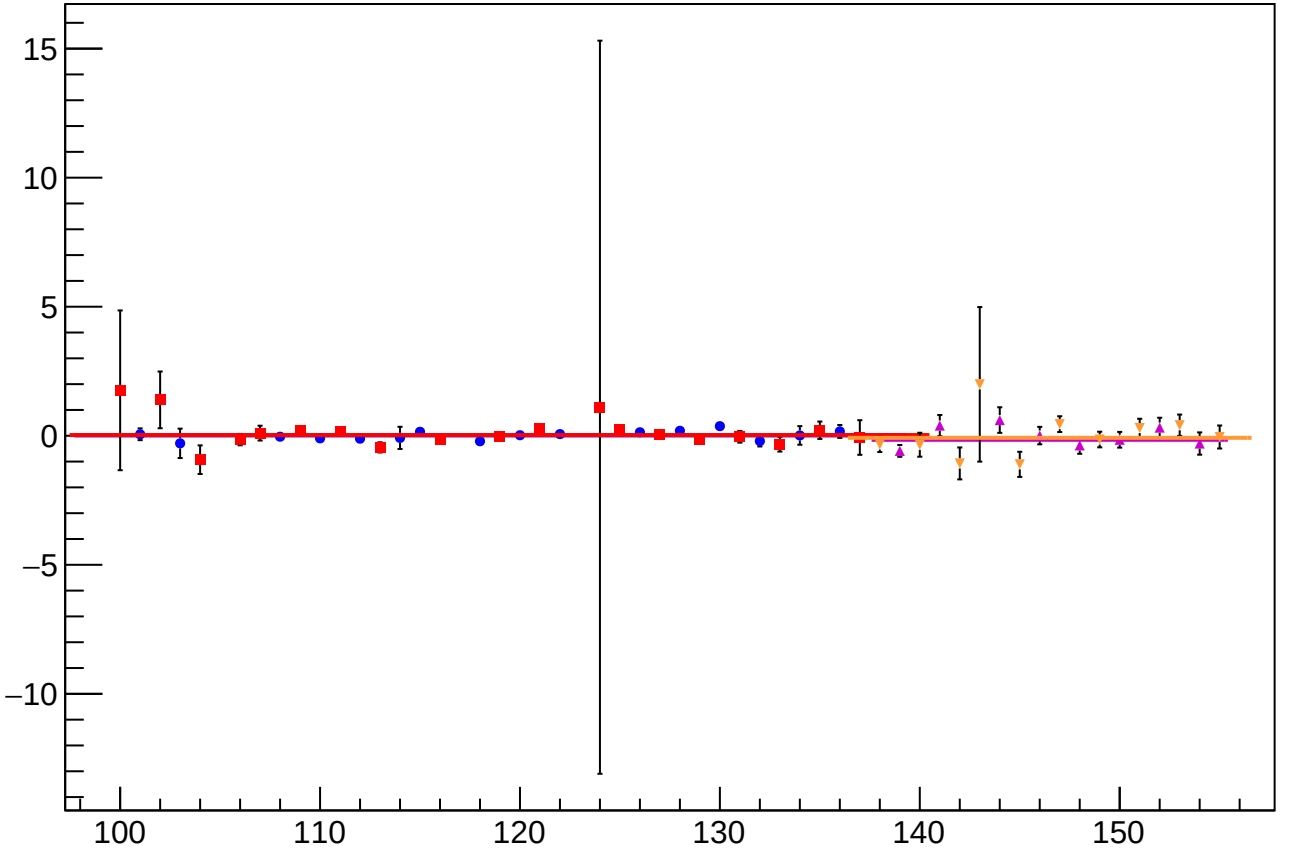
Left In: 0.000+/-0.000 χ^2/NDF:458467.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 7695970.0/25

All: 0.000+/-0.000 χ^2/NDF: 14706586.8/52

- sign 0.000+/-0.000 χ^2/NDF: 4053159.5/26

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.080+/-0.126 χ^2/NDF:14.1/9

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

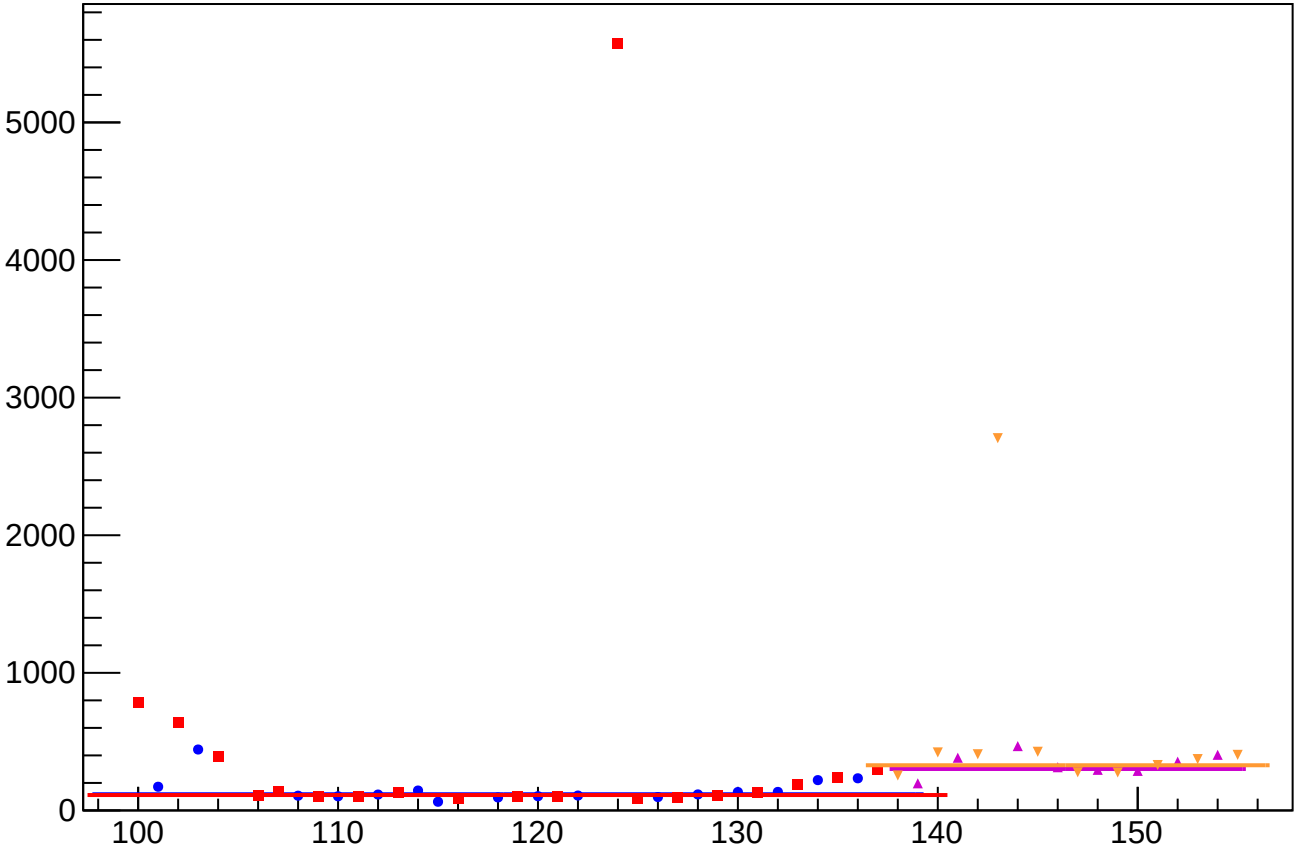
Left In: -0.156+/-0.119 χ^2/NDF:10.0/7

+ sign 0.003+/-0.045 χ^2/NDF: 26.4/25

All: 0.002+/-0.031 χ^2/NDF: 60.6/52

- sign 0.001+/-0.044 χ^2/NDF: 34.1/26

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 328.474+/-0.089 χ^2/NDF:1778539.0/9

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

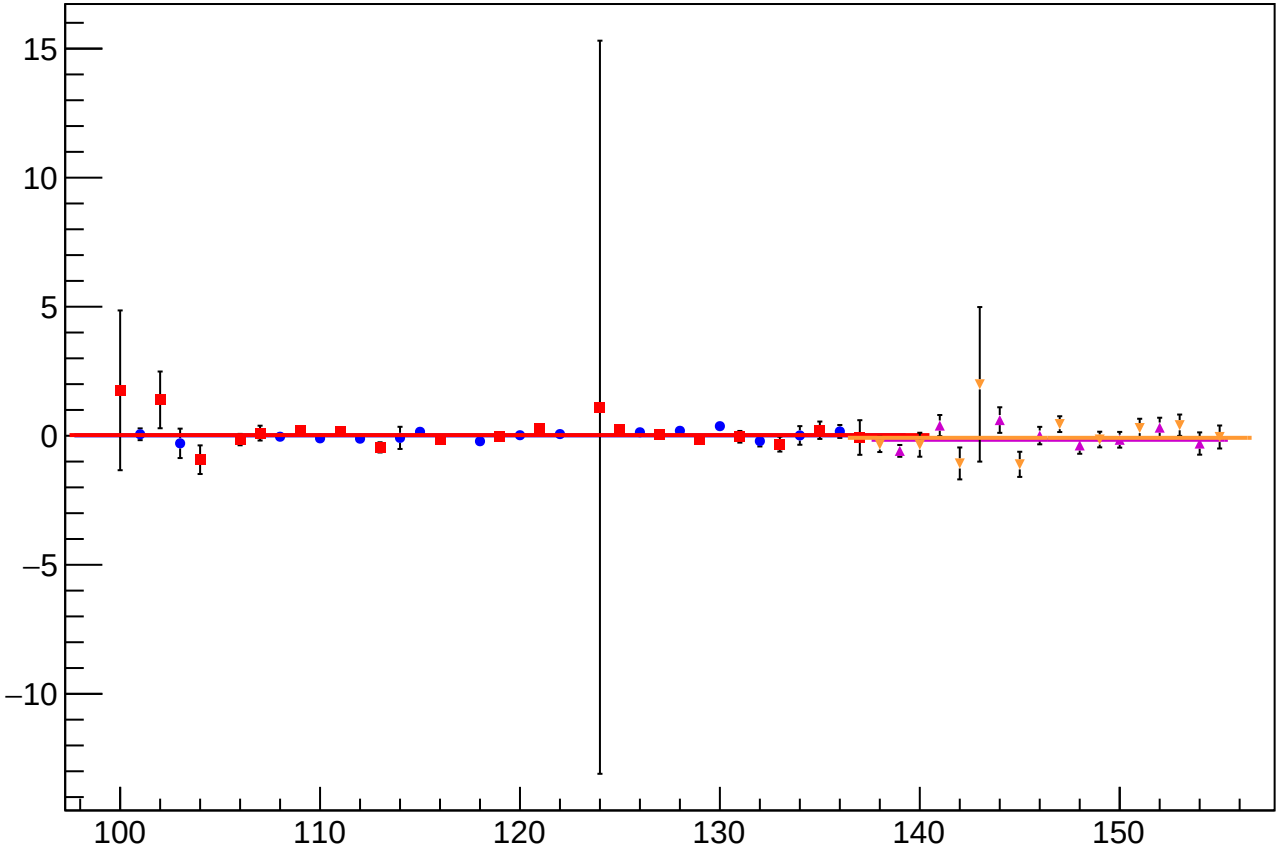
Left In: 301.407+/-0.084 χ^2/NDF:879643.6/7

+ sign 144.366+/-0.032 χ^2/NDF: 8412130.9/25

All: 140.814+/-0.022 χ^2/NDF: 15871101.3/52

- sign 137.444+/-0.031 χ^2/NDF: 7434421.2/26

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.080+/-0.126 χ^2/NDF:14.1/9

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

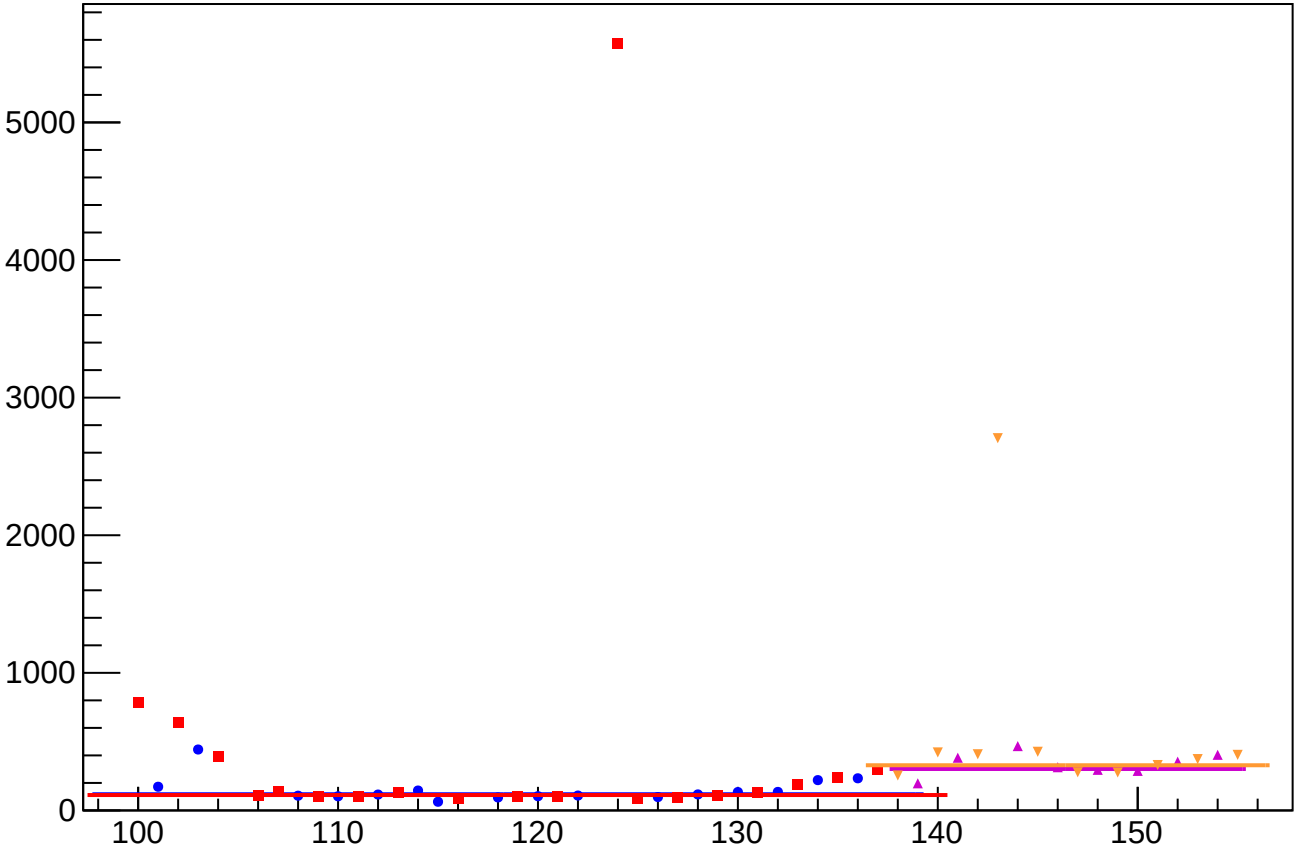
Left In: -0.156+/-0.119 χ^2/NDF:10.0/7

+ sign 0.003+/-0.045 χ^2/NDF: 26.4/25

All: 0.002+/-0.031 χ^2/NDF: 60.6/52

- sign 0.001+/-0.044 χ^2/NDF: 34.1/26

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: 328.474+/-0.089 χ^2/NDF:1778539.0/9

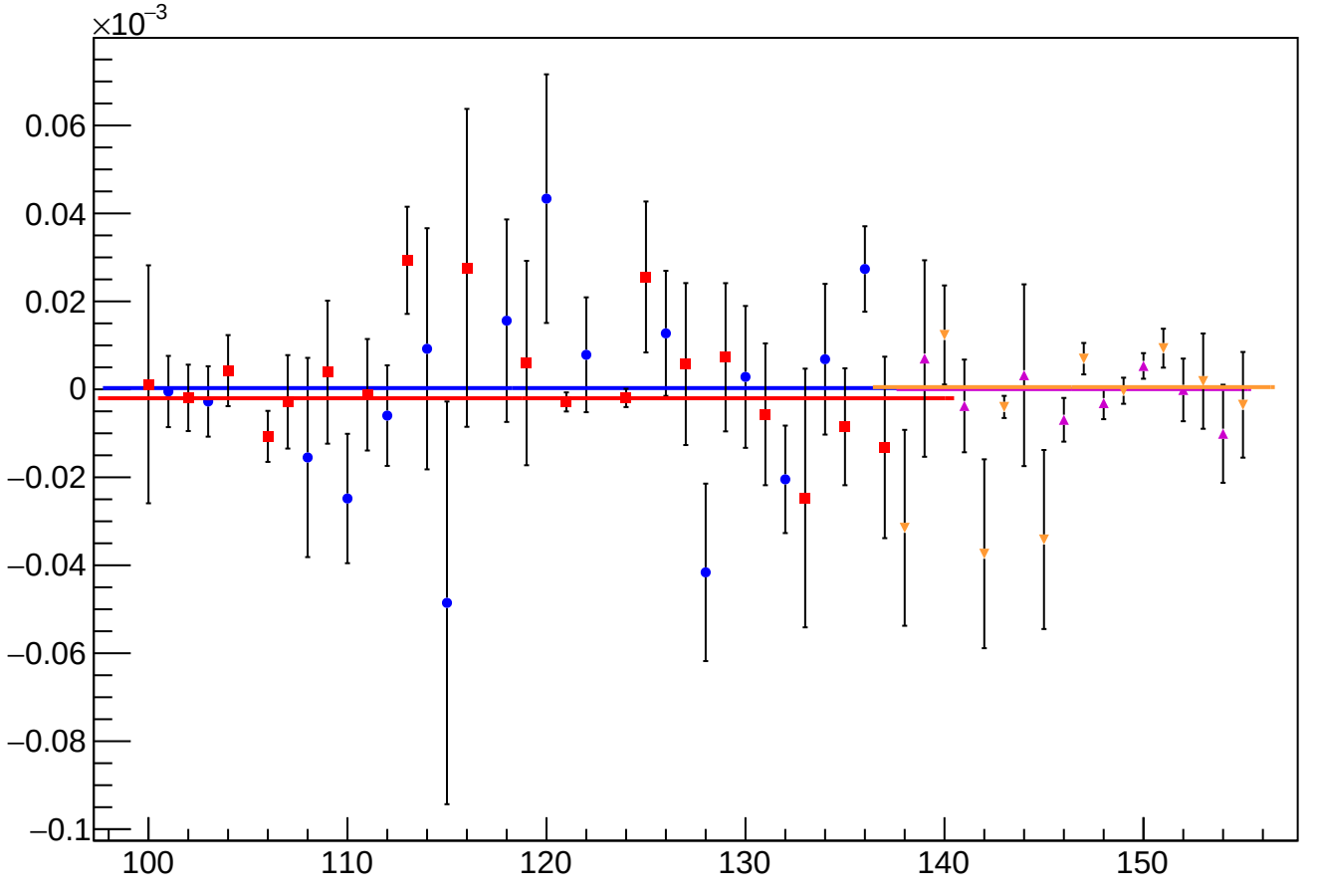
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 301.407+/-0.084 χ^2/NDF:879643.6/7

+ sign 144.366+/-0.032 χ^2/NDF: 8412130.9/25

All: 140.814+/-0.022 χ^2/NDF: 15871101.3/52

- sign 137.444+/-0.031 χ^2/NDF: 7434421.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/9

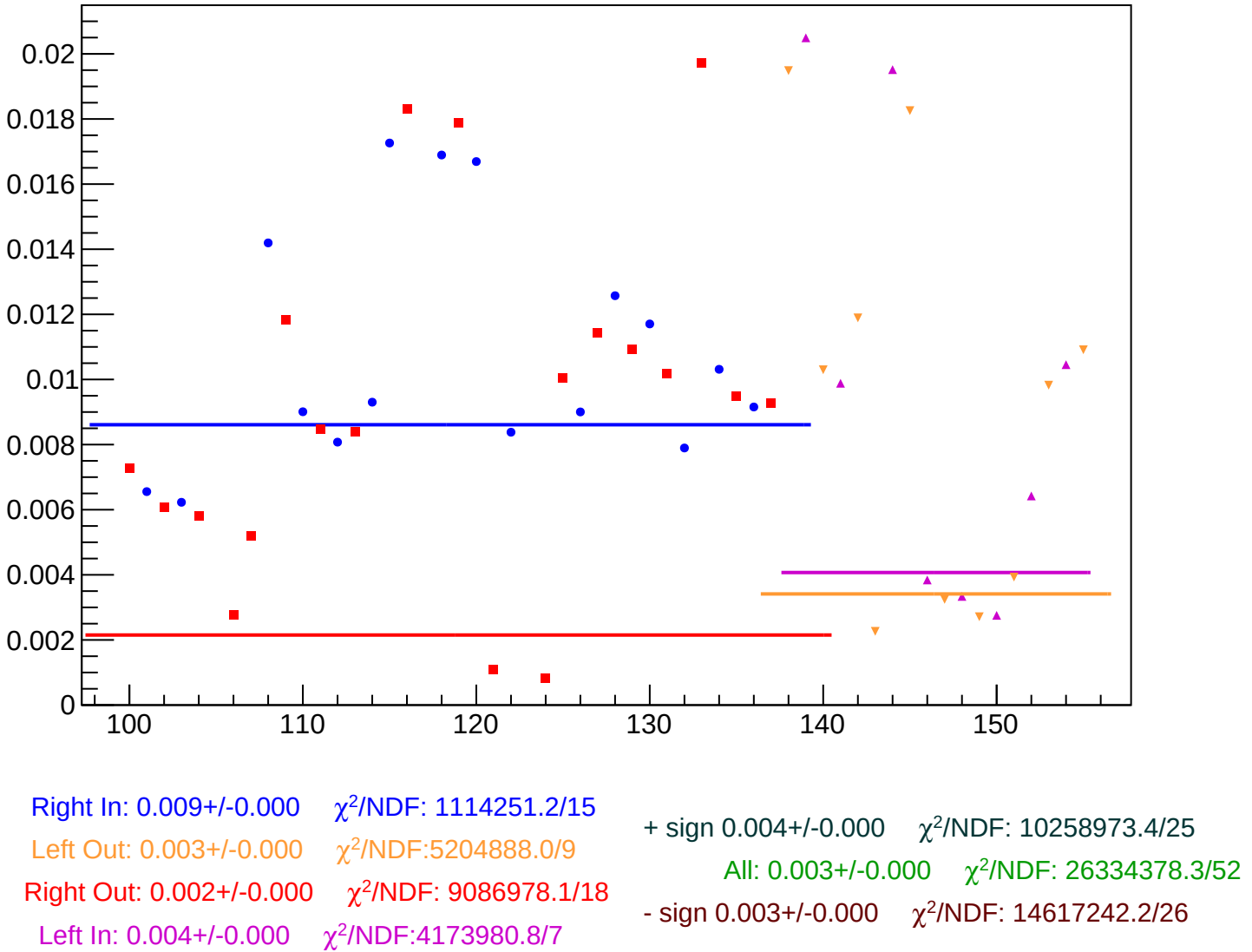
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/7

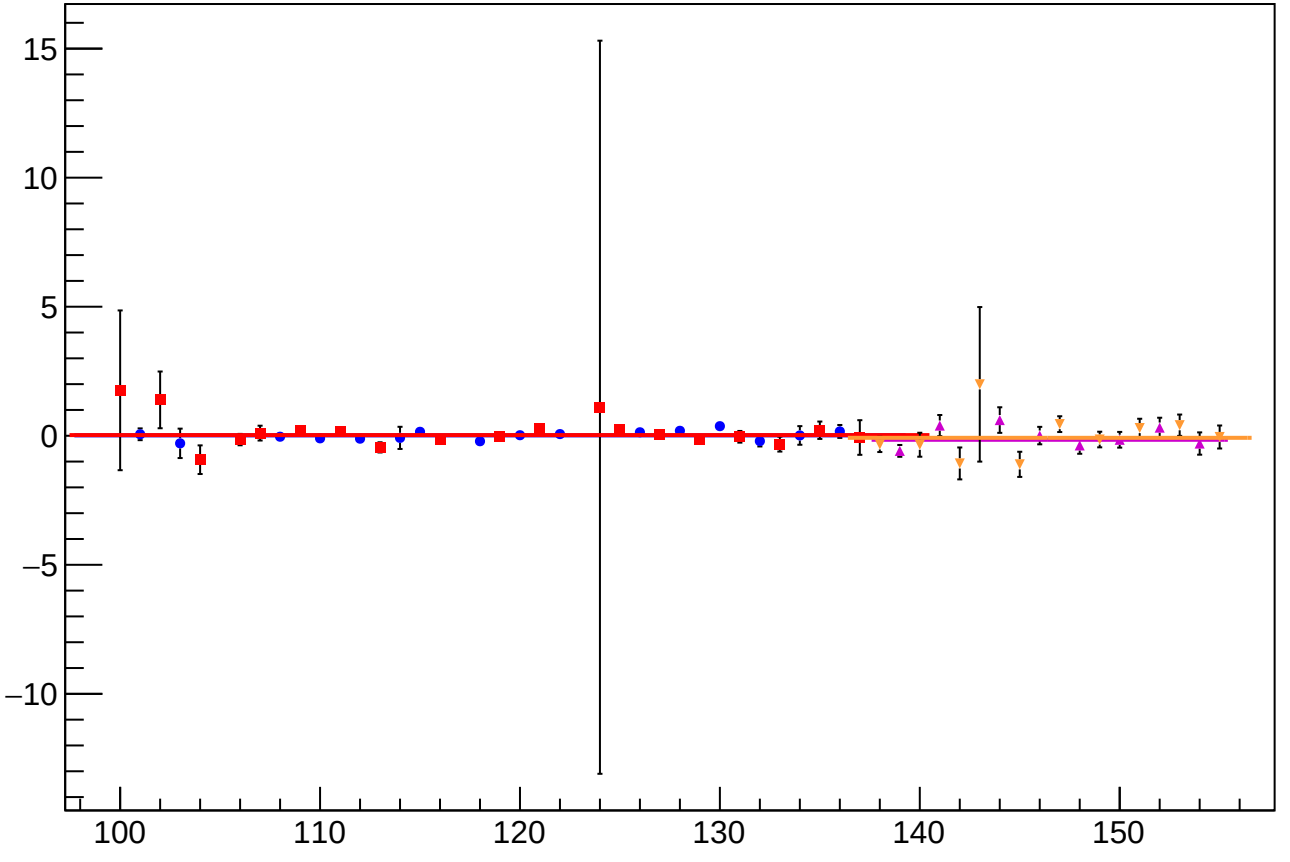
+ sign 0.000+/-0.000 χ^2/NDF: 44.0/25

All: -0.000+/-0.000 χ^2/NDF: 67.7/52

- sign -0.000+/-0.000 χ^2/NDF: 22.7/26


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
Right In: 0.009+/-0.000 χ²/NDF: 1114251.2/15
Left Out: 0.003+/-0.000 χ²/NDF:5204888.0/9
Right Out: 0.002+/-0.000 χ²/NDF: 9086978.1/18
Left In: 0.004+/-0.000 χ²/NDF:4173980.8/7
+ sign 0.004+/-0.000 χ²/NDF: 10258973.4/25
All: 0.003+/-0.000 χ²/NDF: 26334378.3/52
- sign 0.003+/-0.000 χ²/NDF: 14617242.2/26

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: -0.080+/-0.126 χ^2/NDF:14.1/9

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

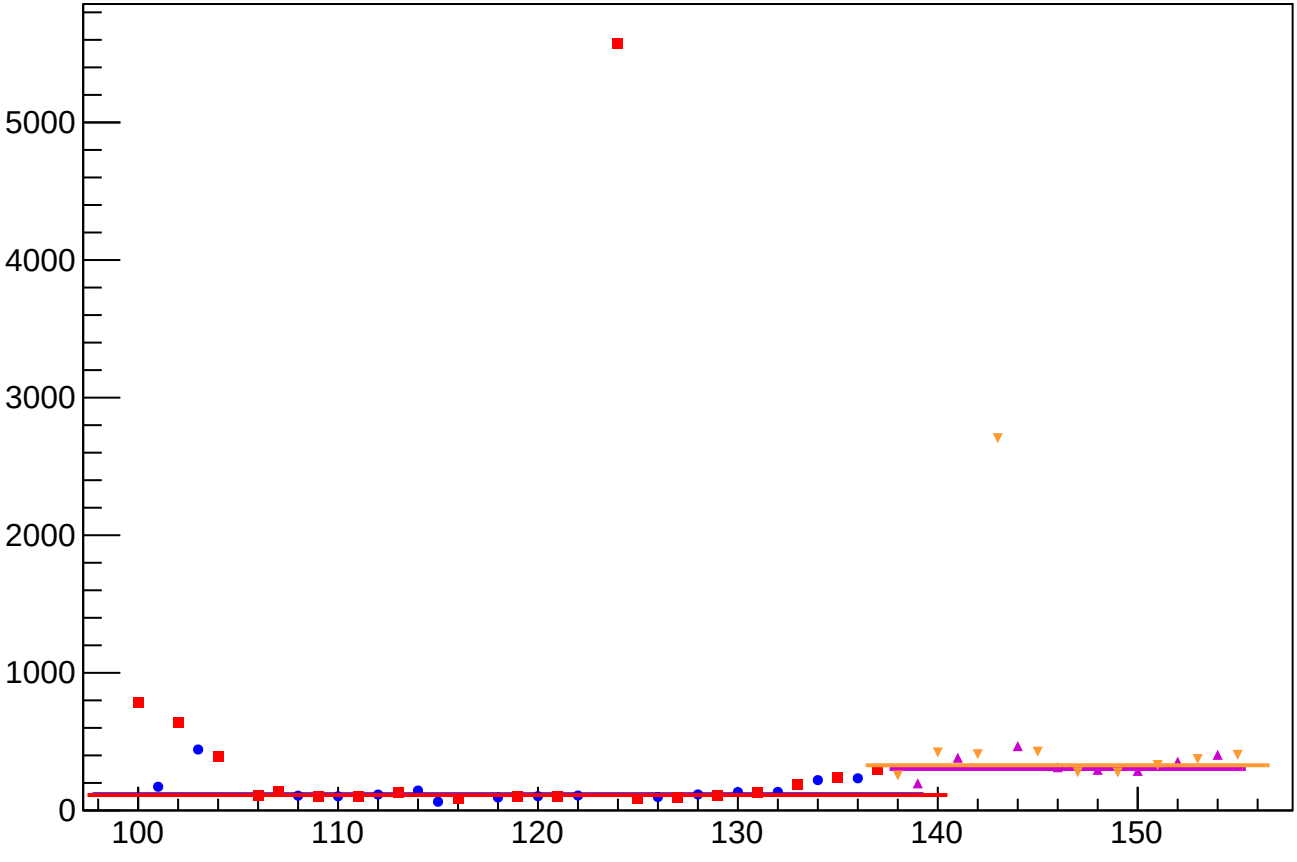
Left In: -0.156+/-0.119 χ^2/NDF:10.0/7

+ sign 0.003+/-0.045 χ^2/NDF: 26.4/25

All: 0.002+/-0.031 χ^2/NDF: 60.6/52

- sign 0.001+/-0.044 χ^2/NDF: 34.1/26

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: 328.477+/-0.089 χ^2/NDF:1778572.3/9

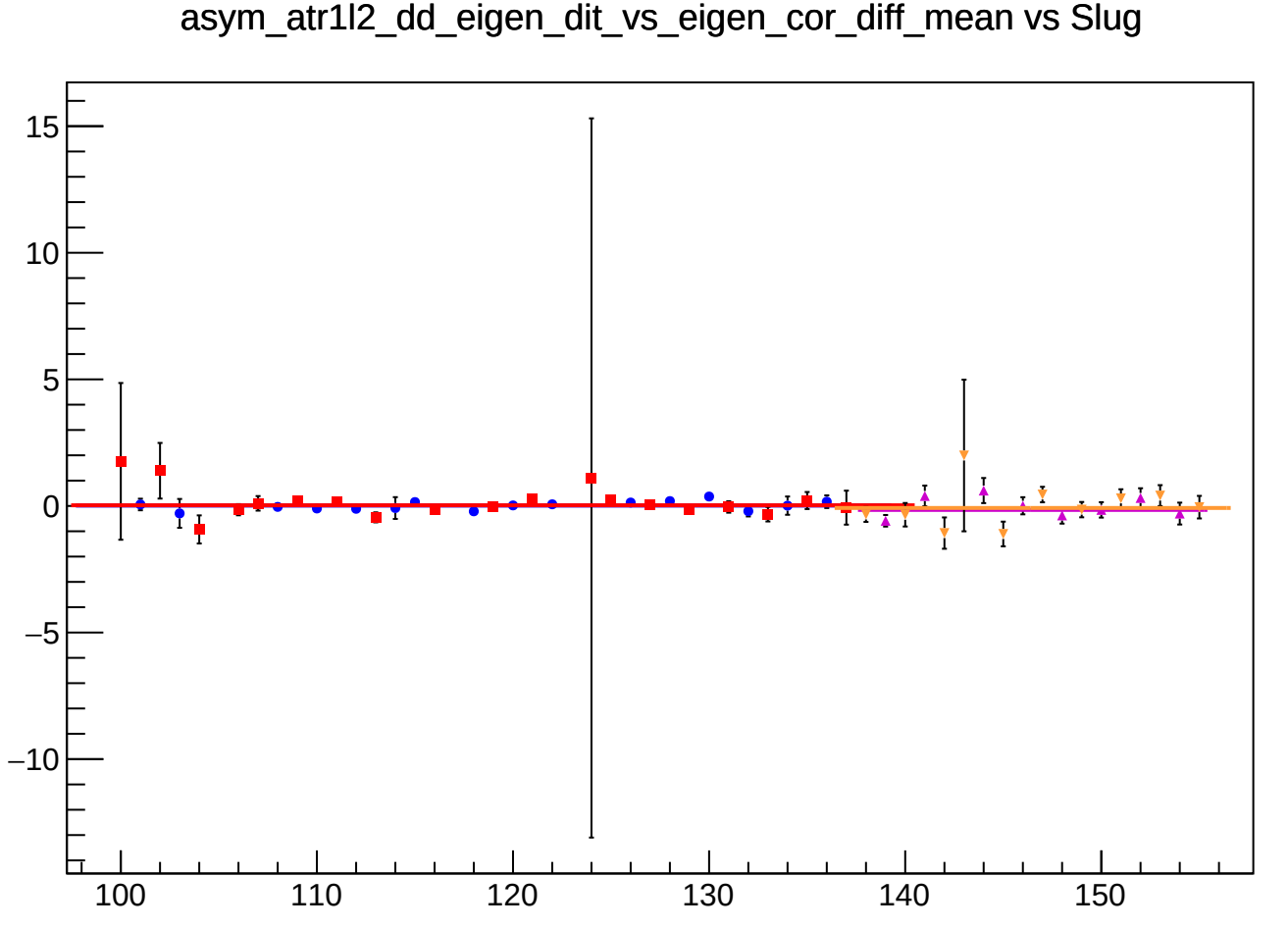
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 301.410+/-0.084 χ^2/NDF:879635.1/7

+ sign 144.366+/-0.032 χ^2/NDF: 8412180.1/25

All: 140.815+/-0.022 χ^2/NDF: 15871048.2/52

- sign 137.446+/-0.031 χ^2/NDF: 7434332.8/26



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.080+/-0.126 χ^2/NDF:14.1/9

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

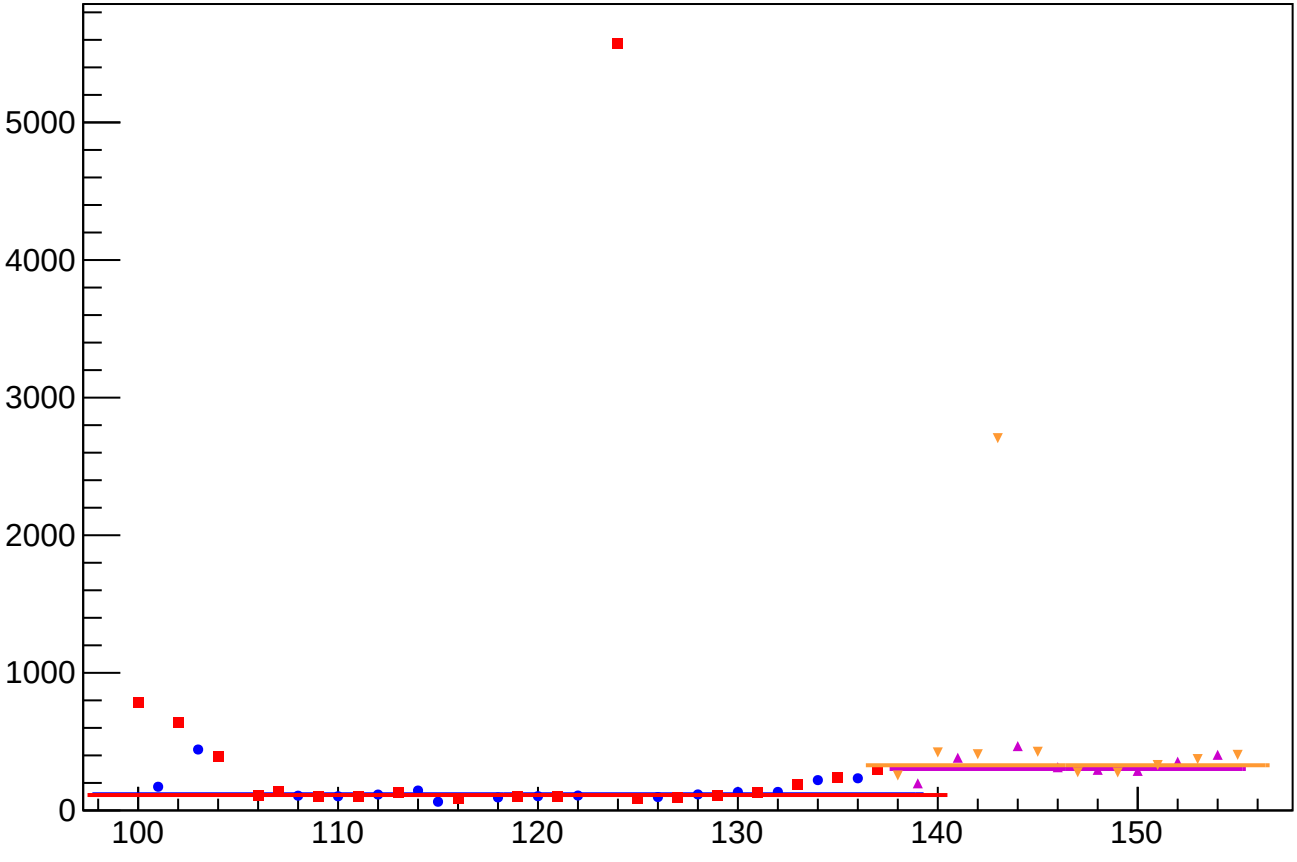
Left In: -0.156+/-0.119 χ^2/NDF:10.0/7

+ sign 0.003+/-0.045 χ^2/NDF: 26.4/25

All: 0.002+/-0.031 χ^2/NDF: 60.6/52

- sign 0.001+/-0.044 χ^2/NDF: 34.1/26

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 328.477+/-0.089 χ^2/NDF:1778572.3/9

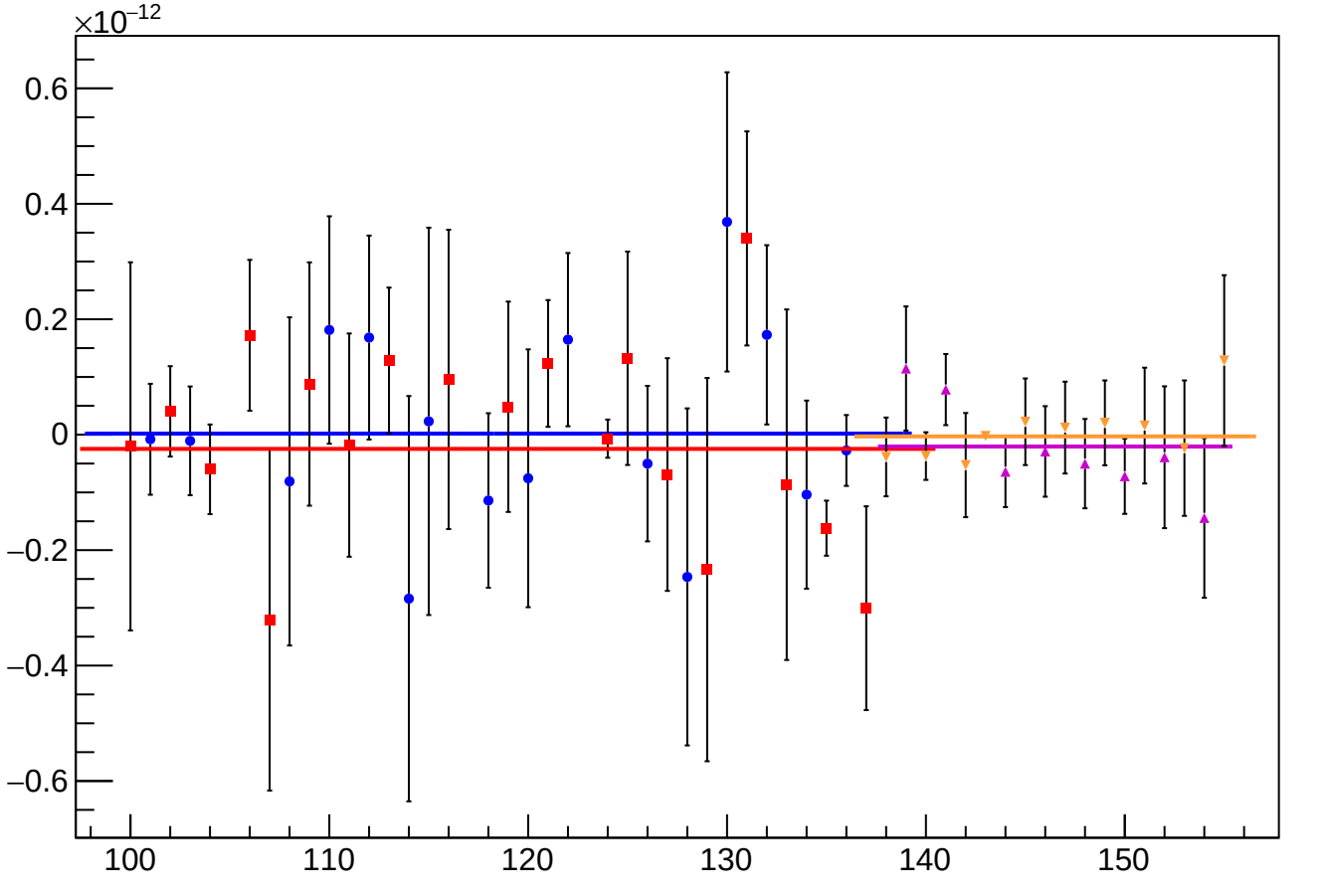
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 301.410+/-0.084 χ^2/NDF:879635.1/7

+ sign 144.366+/-0.032 χ^2/NDF: 8412180.1/25

All: 140.815+/-0.022 χ^2/NDF: 15871048.2/52

- sign 137.446+/-0.031 χ^2/NDF: 7434332.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/9

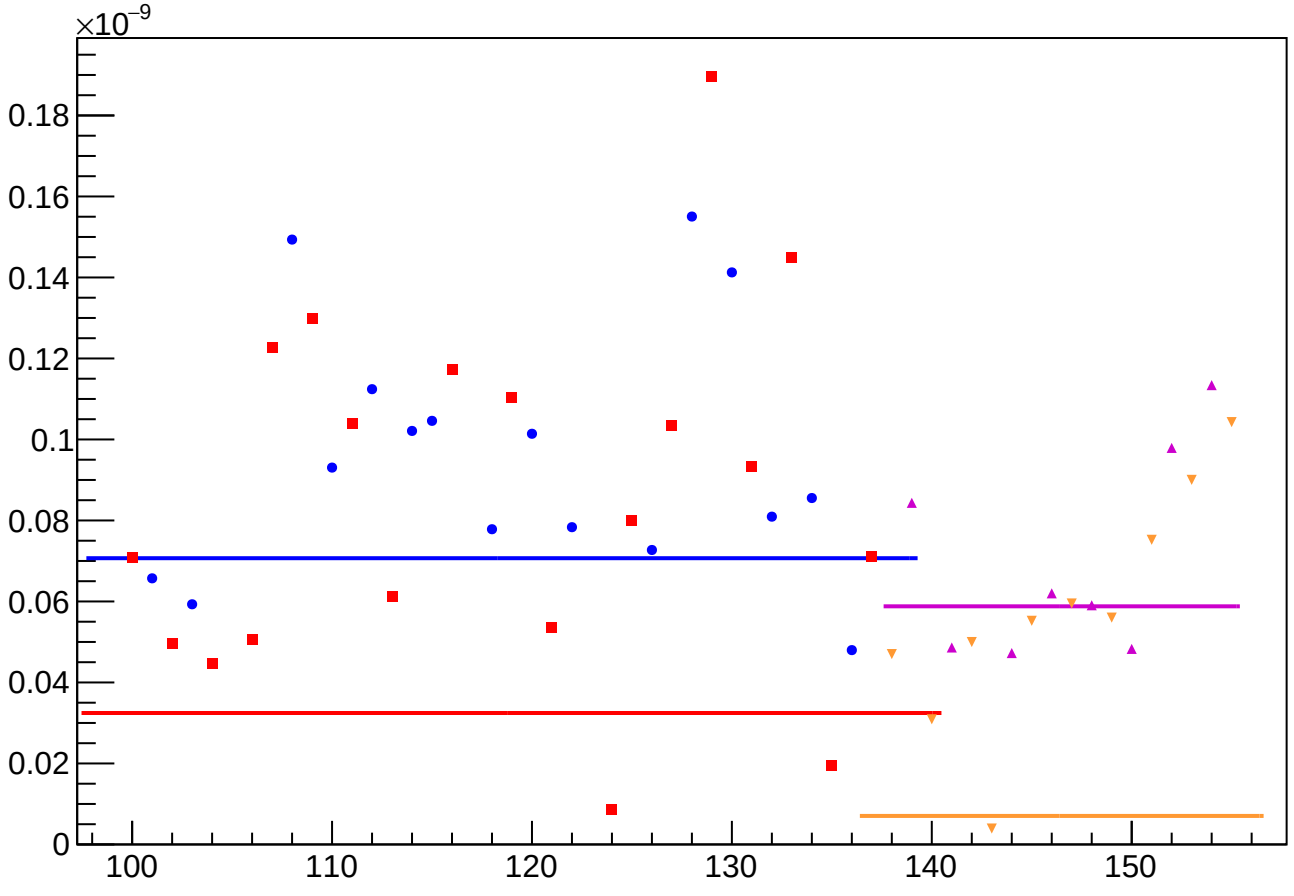
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 11.5/25

All: -0.000+/-0.000 χ^2/NDF: 43.3/52

- sign -0.000+/-0.000 χ^2/NDF: 30.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7619060.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

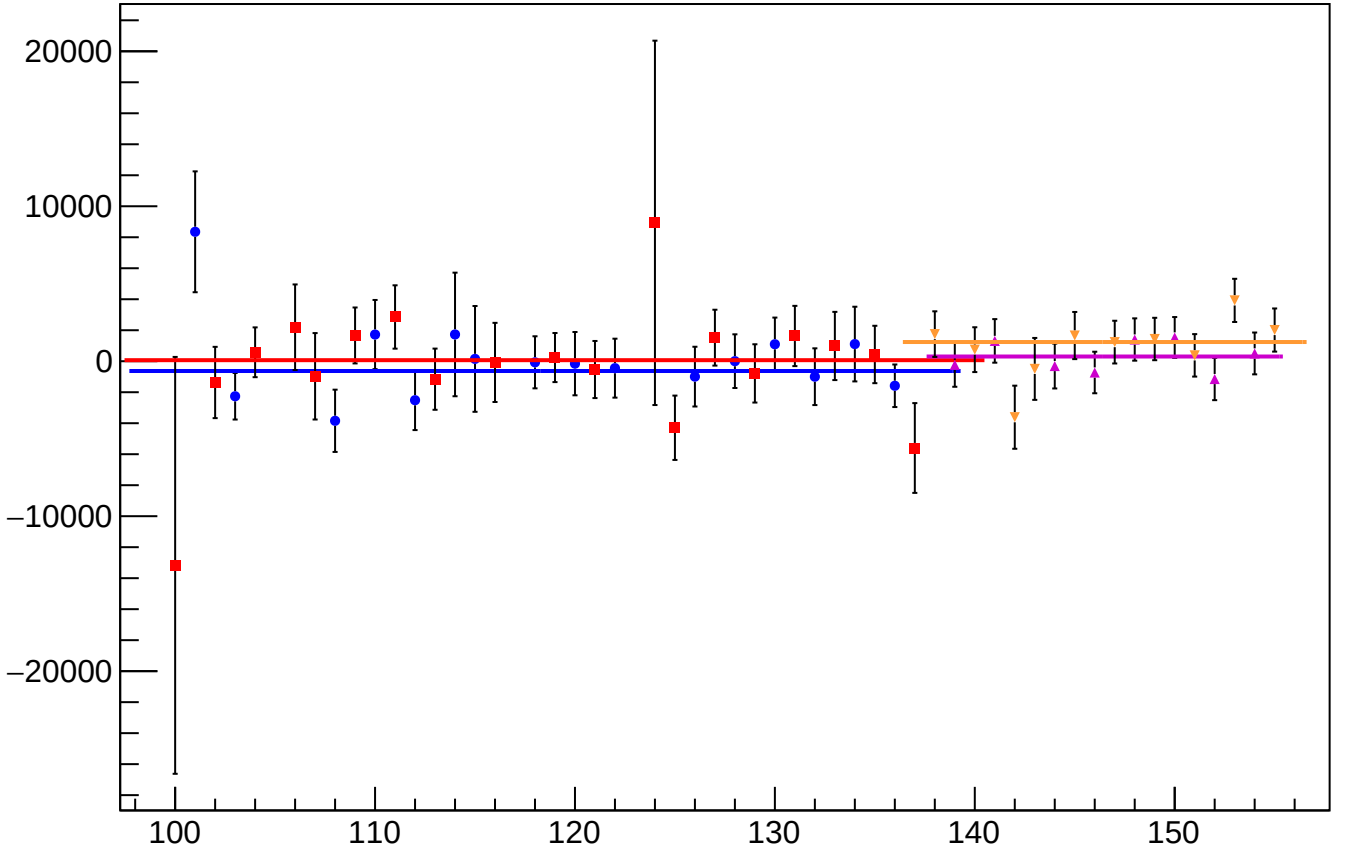
Left In: 0.000+/-0.000 χ^2/NDF:808003.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 15242254.1/25

All: 0.000+/-0.000 χ^2/NDF: 28314167.7/52

- sign 0.000+/-0.000 χ^2/NDF: 6378628.2/26

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.494+/-472.044 χ^2/NDF:11.2/9

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

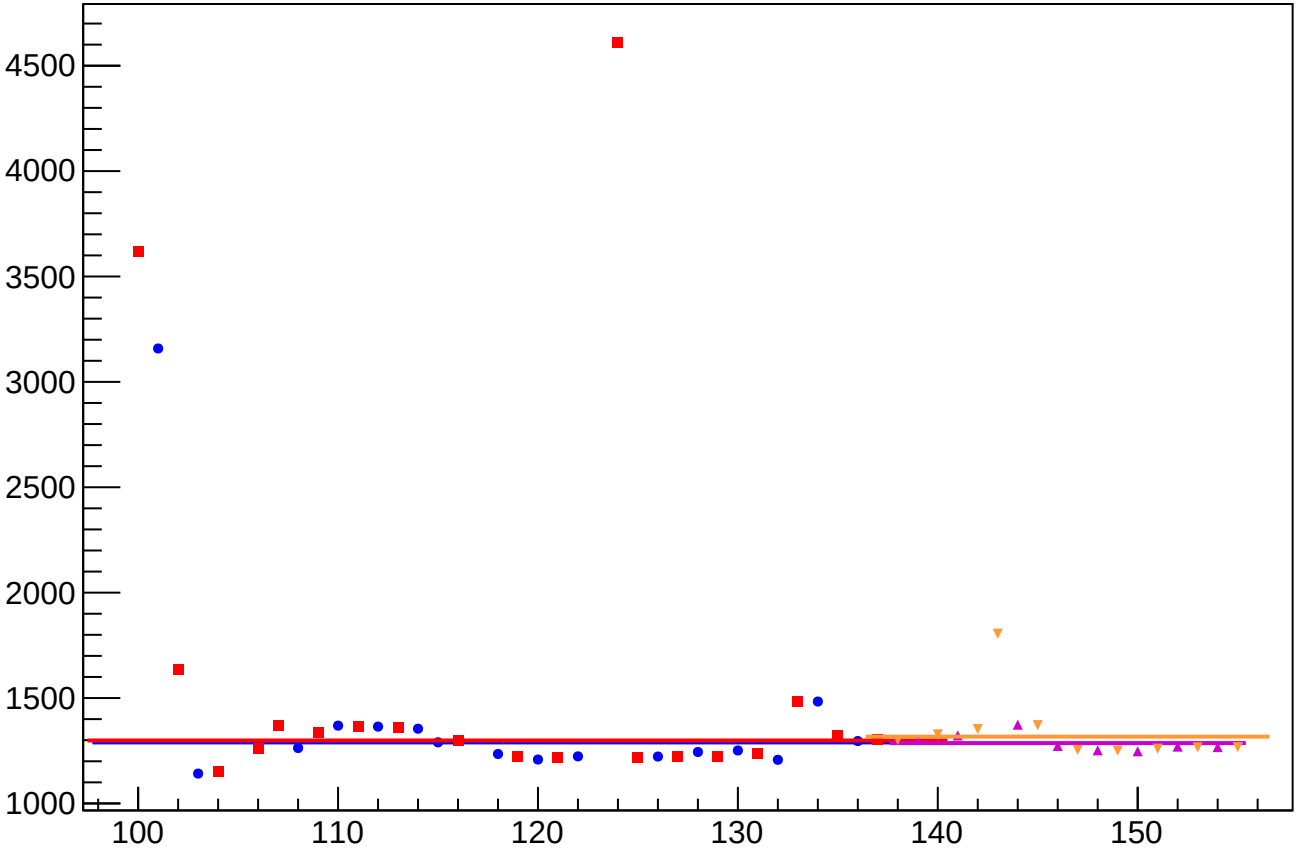
Left In: 304.408+/-485.703 χ^2/NDF:4.1/7

\+ sign 336.574+/-339.509 χ^2/NDF: 32.7/25

All: 262.572+/-241.700 χ^2/NDF: 52.9/52

\- sign 186.526+/-344.169 χ^2/NDF: 20.1/26

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

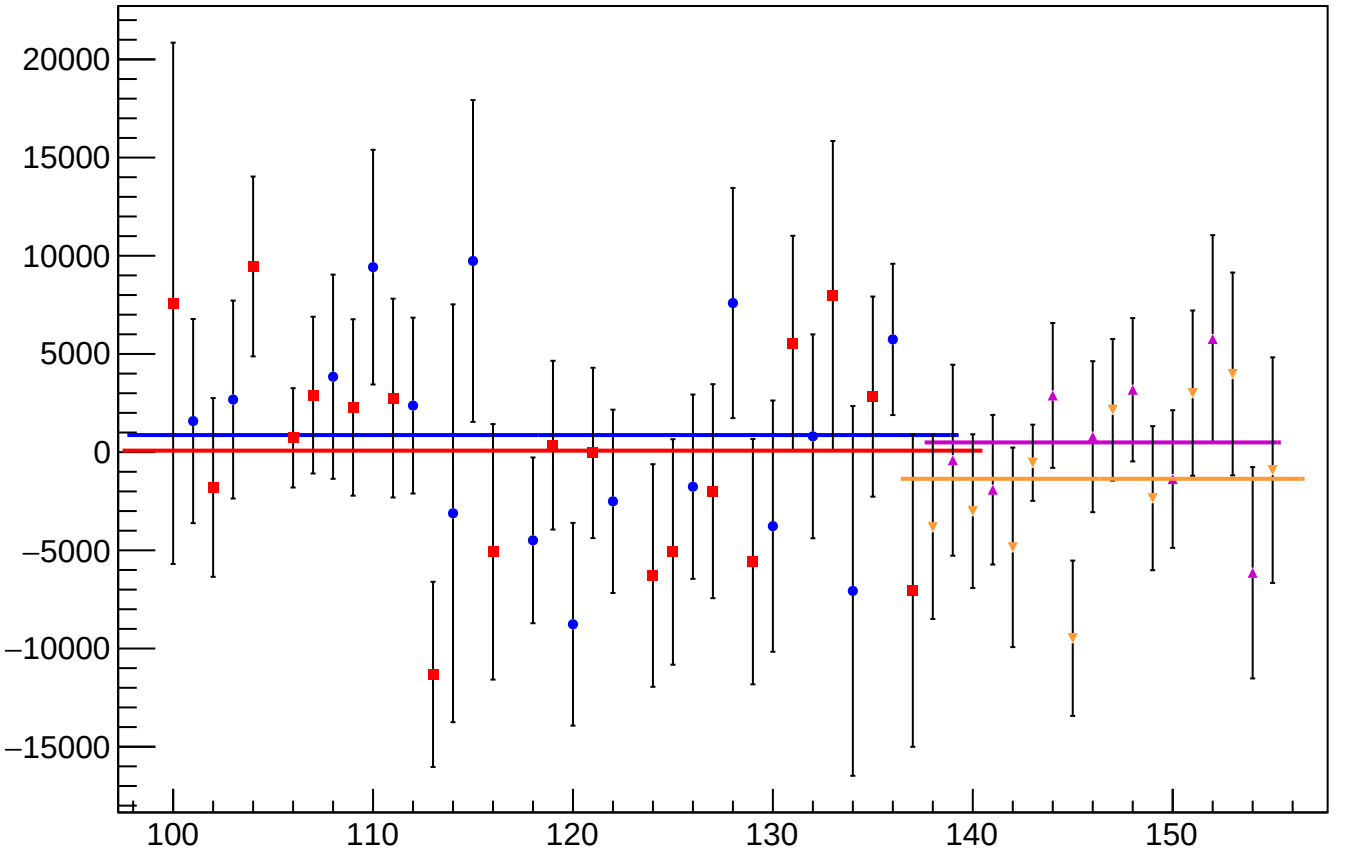
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

+ sign 1303.750+/-0.240 χ^2/NDF: 658600.2/25

All: 1298.200+/-0.171 χ^2/NDF: 992461.5/52

- sign 1292.513+/-0.243 χ^2/NDF: 332779.3/26



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1357.908+/-1150.718 χ^2/NDF:8.5/9

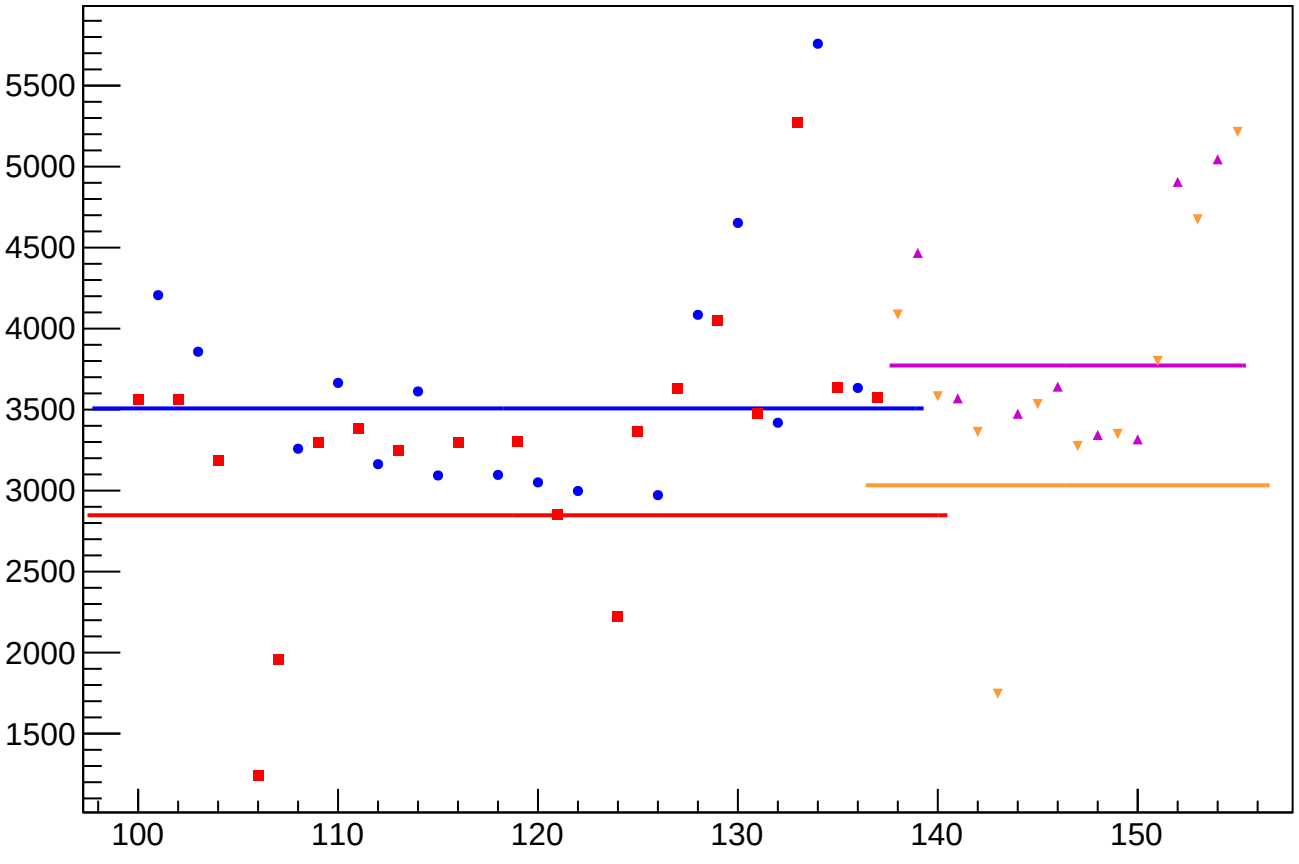
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 495.554+/-1444.613 χ^2/NDF:4.2/7

+ sign -400.120+/-868.889 χ^2/NDF: 24.1/25

All: -87.952+/-618.536 χ^2/NDF: 47.0/52

- sign 232.770+/-880.713 χ^2/NDF: 22.6/26



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3033.033+/-0.814 χ^2/NDF:1643086.7/9

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

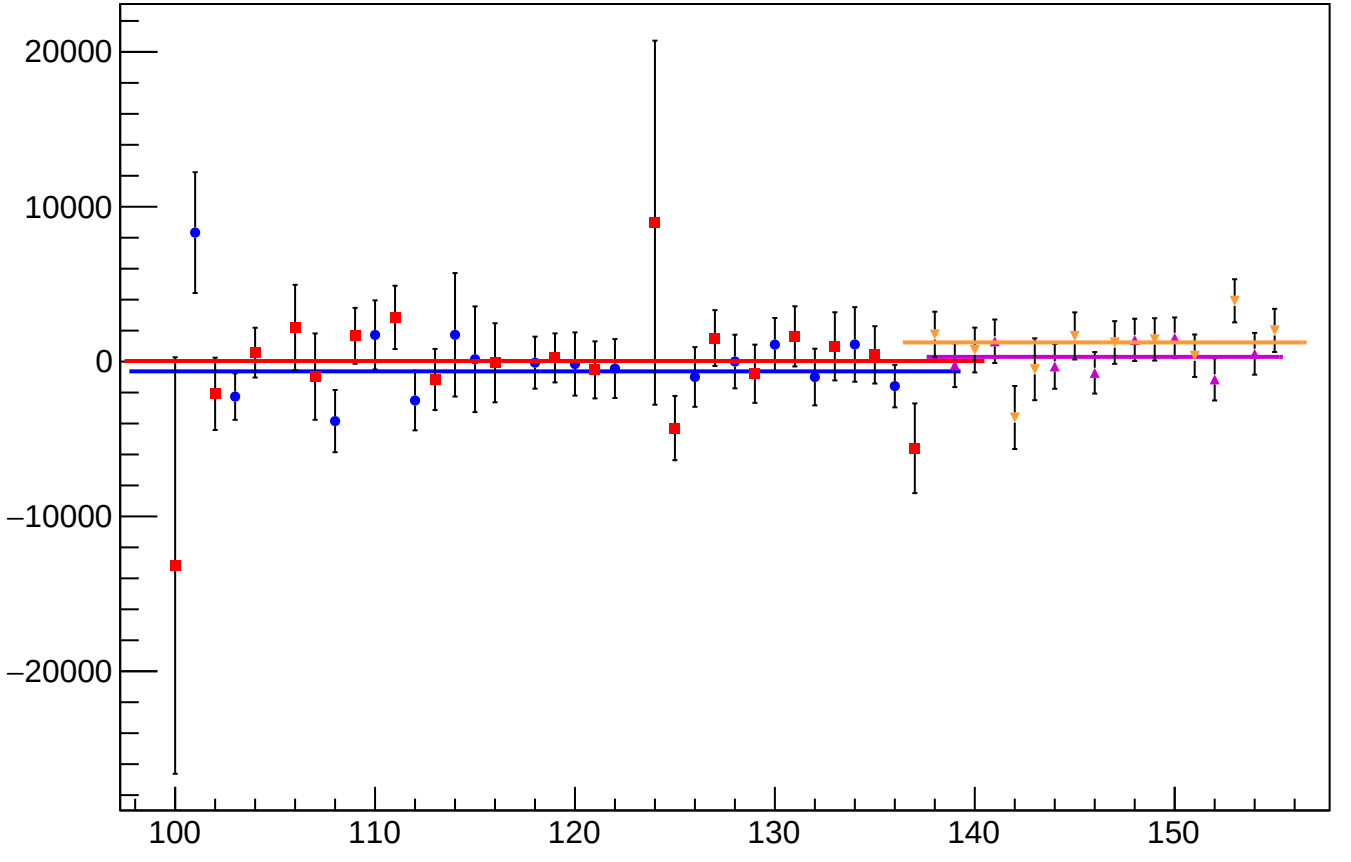
Left In: 3772.211+/-1.021 χ^2/NDF:327203.3/7

+ sign 3236.937+/-0.614 χ^2/NDF: 2143159.2/25

All: 3214.478+/-0.437 χ^2/NDF: 4486973.6/52

- sign 3191.403+/-0.623 χ^2/NDF: 2341105.2/26

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

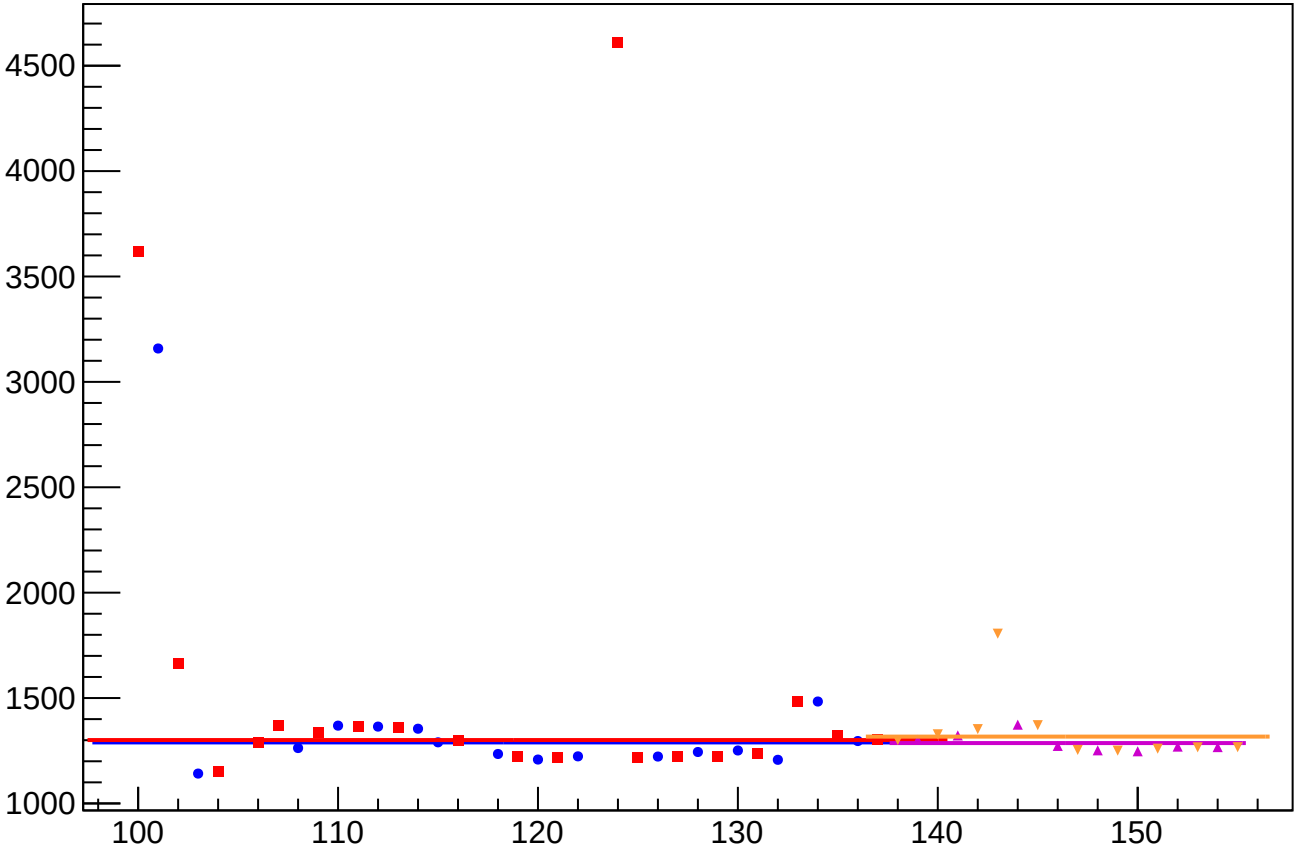
Left In: 304.385+/-485.703 χ^2/NDF:4.1/7

\+ sign 336.365+/-339.509 χ^2/NDF: 32.6/25

All: 255.406+/-241.739 χ^2/NDF: 53.3/52

\- sign 172.154+/-344.283 χ^2/NDF: 20.6/26

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

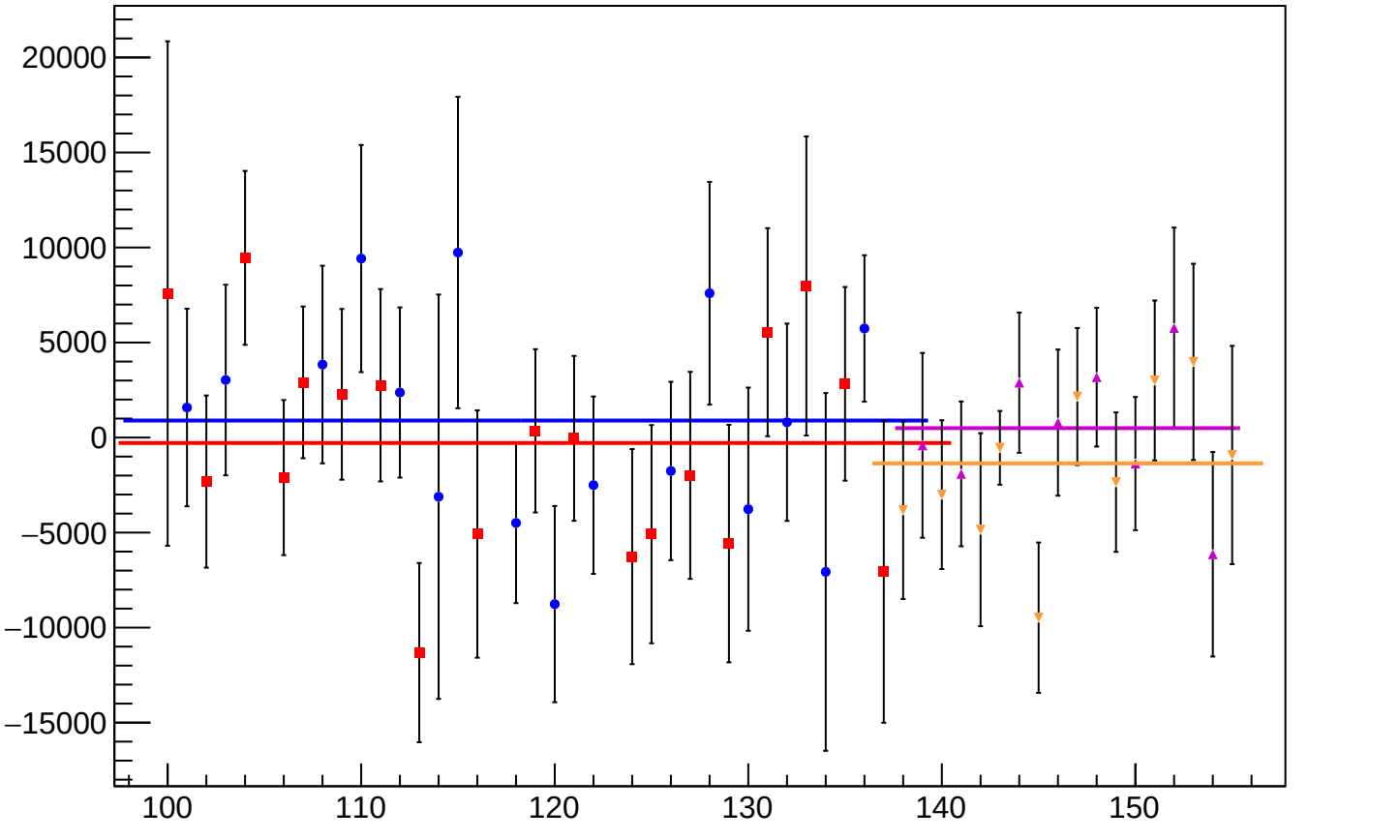
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

+ sign 1303.749+/-0.240 χ^2/NDF: 658601.8/25

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52

- sign 1293.515+/-0.243 χ^2/NDF: 339538.9/26



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1357.832+/-1150.716 χ^2/NDF:8.5/9

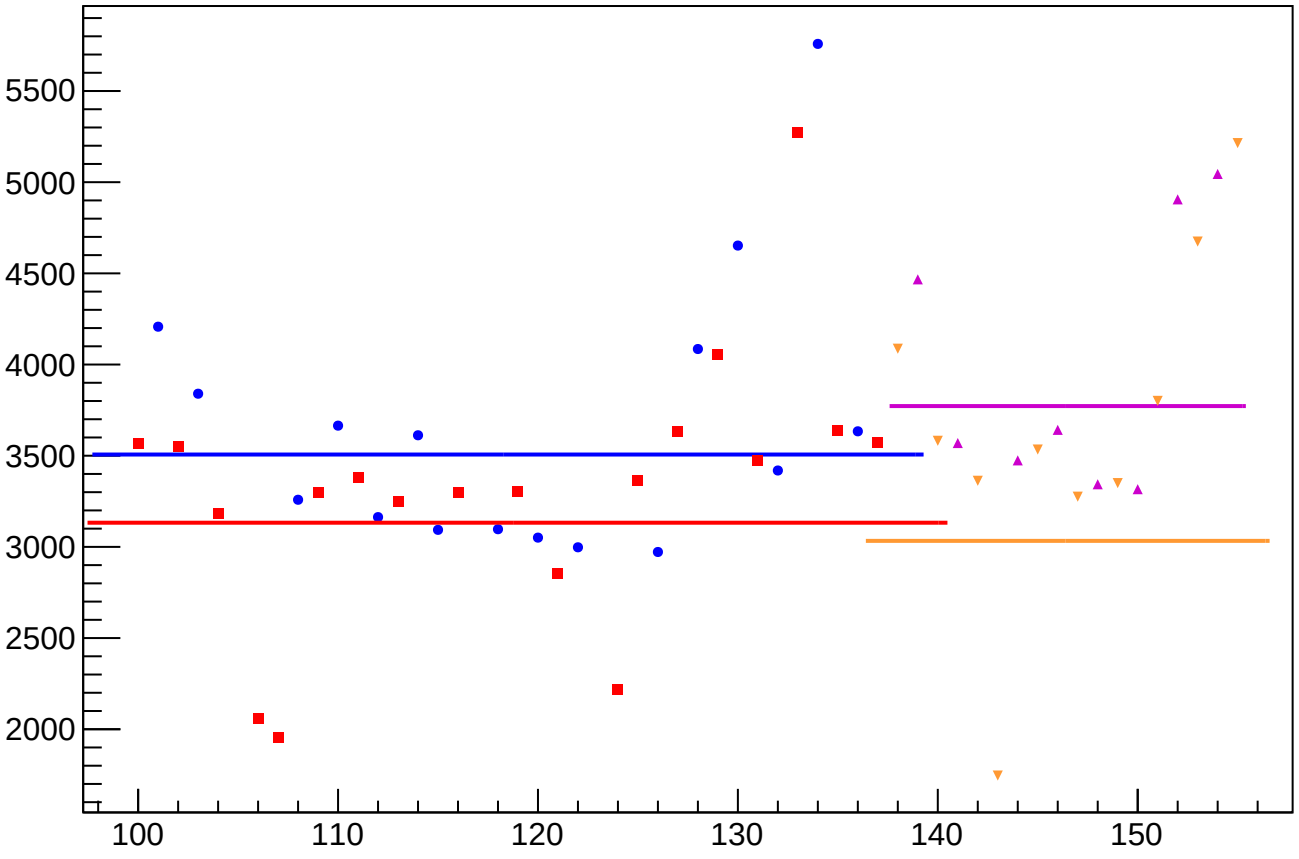
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 495.604+/-1444.611 χ^2/NDF:4.2/7

+ sign -388.643+/-868.760 χ^2/NDF: 24.2/25

All: -190.709+/-630.132 χ^2/NDF: 47.3/52

- sign 29.021+/-915.346 χ^2/NDF: 23.0/26



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

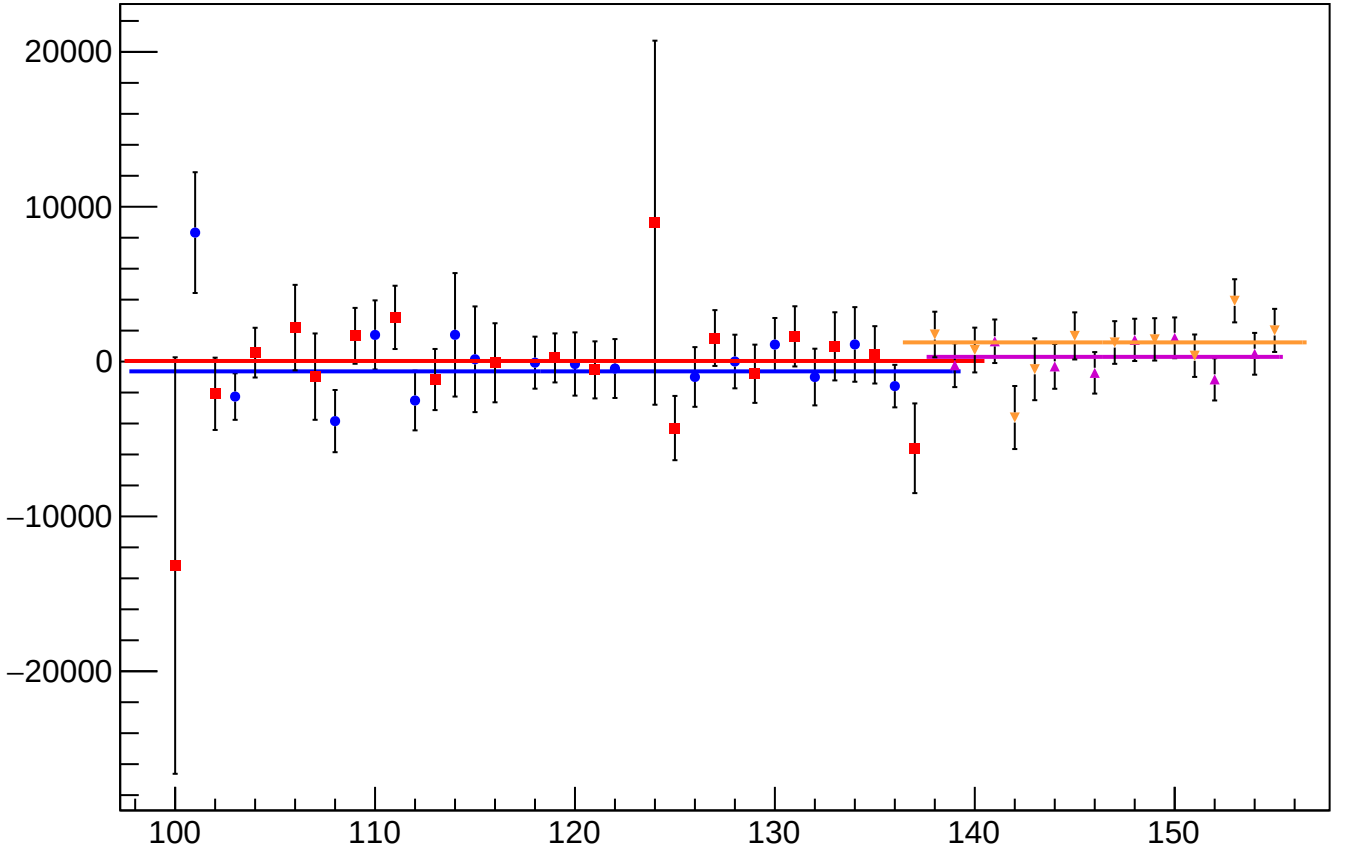
Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

+ sign 3236.618+/-0.614 χ^2/NDF: 2141946.4/25

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52

- sign 3389.384+/-0.647 χ^2/NDF: 1211478.1/26

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: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

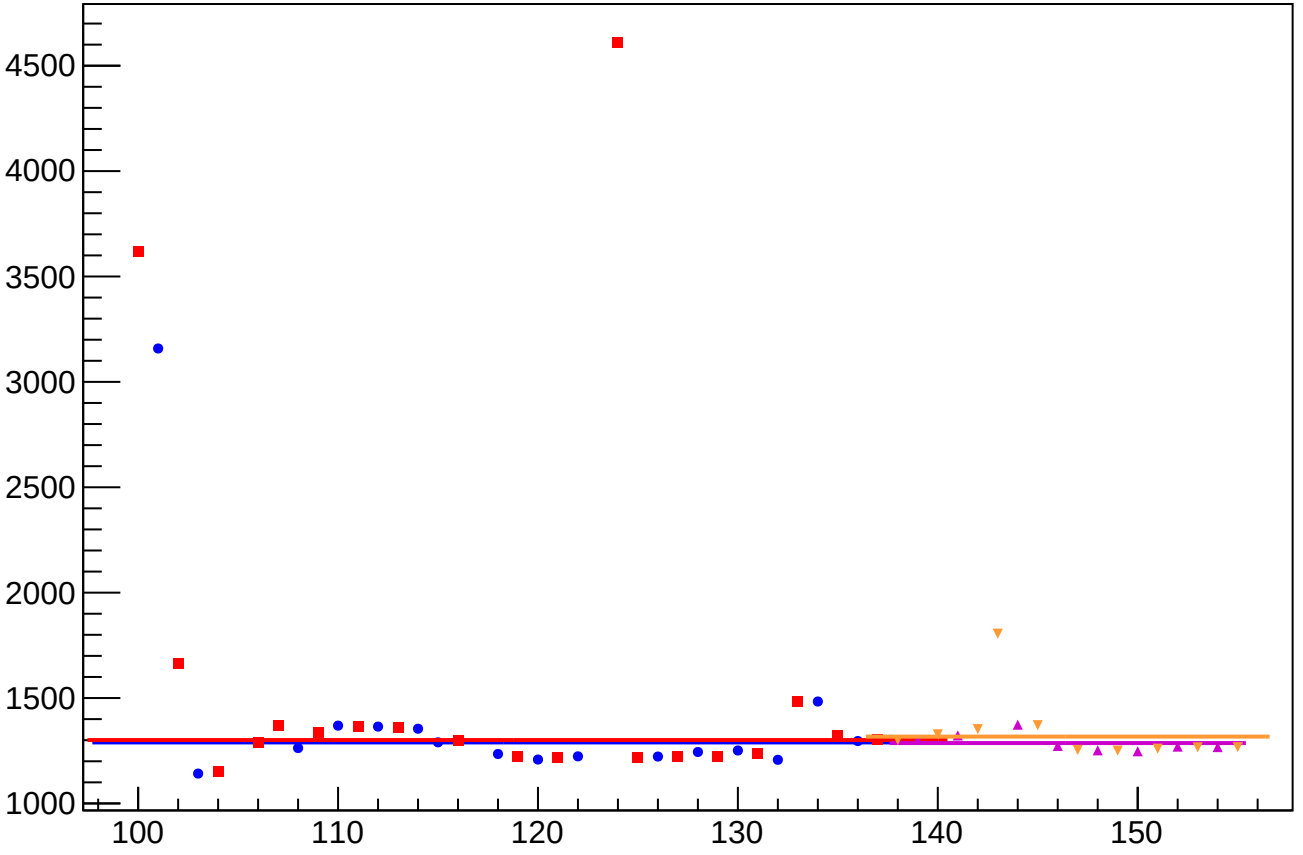
Left In: 304.385+/-485.703 χ^2/NDF:4.1/7

+ sign 336.365+/-339.509 χ^2/NDF: 32.6/25

All: 255.406+/-241.739 χ^2/NDF: 53.3/52

- sign 172.154+/-344.283 χ^2/NDF: 20.6/26

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: 1317.078+/-0.334 χ^2/NDF:140622.0/9

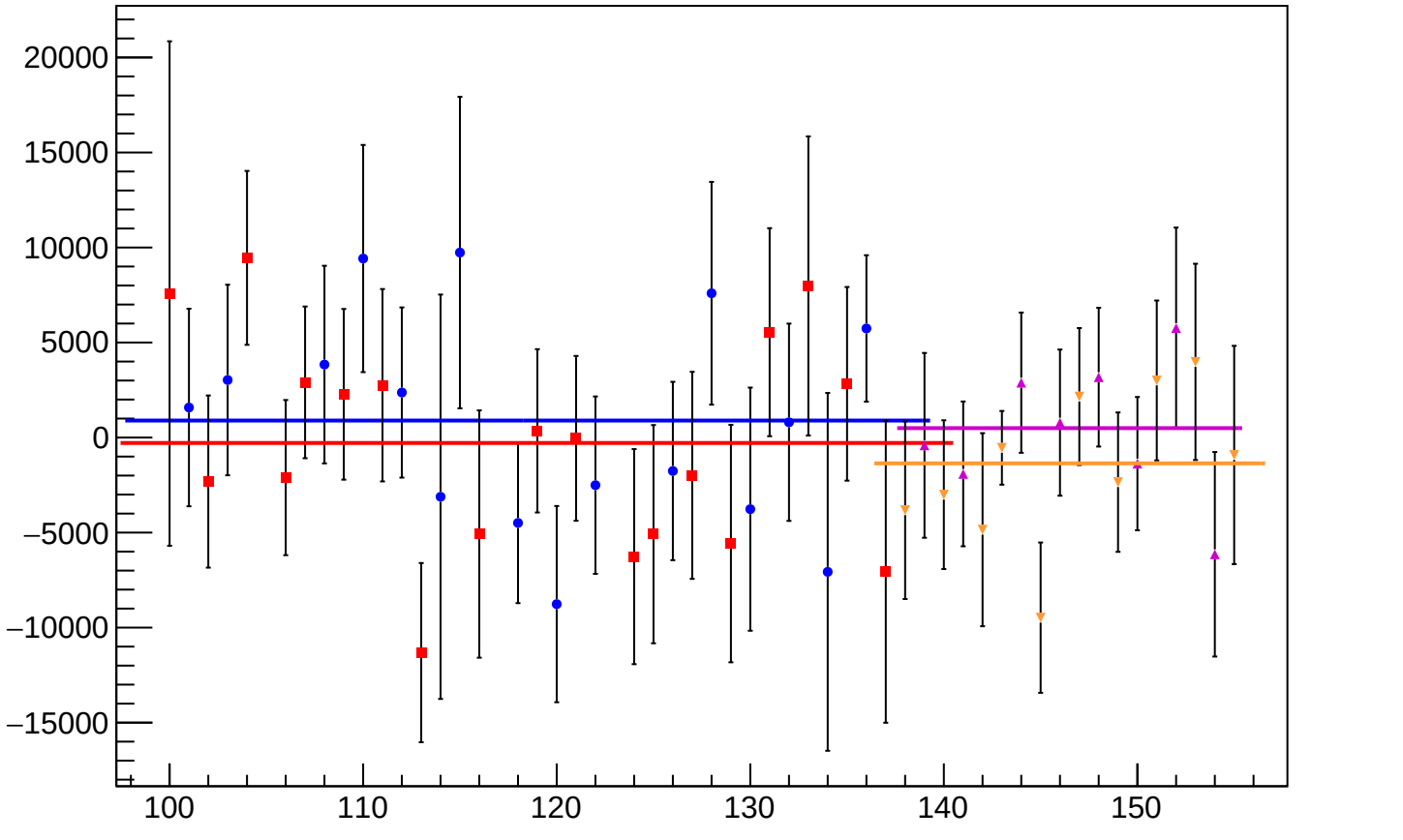
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

+ sign 1303.749+/-0.240 χ^2/NDF: 658601.8/25

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52

- sign 1293.515+/-0.243 χ^2/NDF: 339538.9/26



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1357.832+/-1150.716 χ^2/NDF:8.5/9

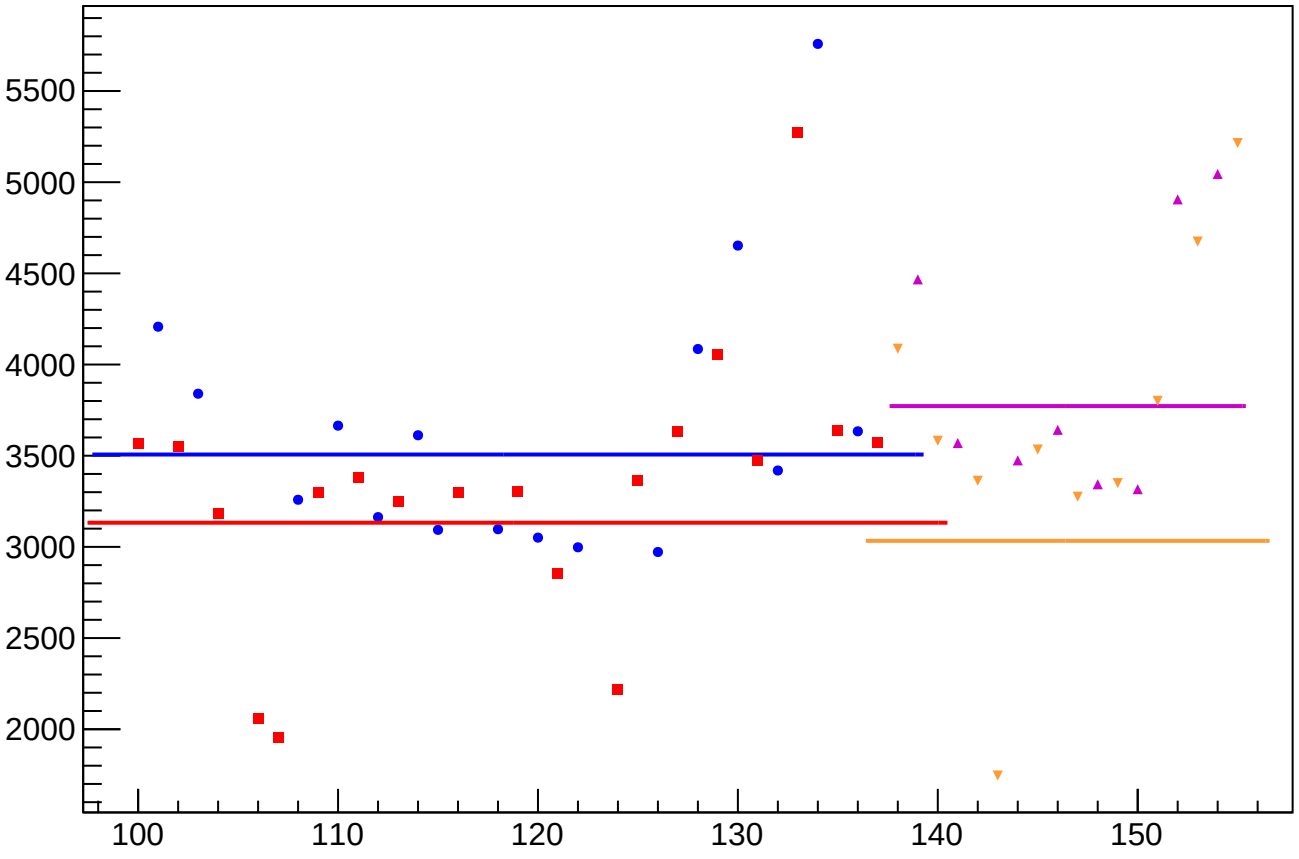
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 495.604+/-1444.611 χ^2/NDF:4.2/7

+ sign -388.643+/-868.760 χ^2/NDF: 24.2/25

All: -190.709+/-630.132 χ^2/NDF: 47.3/52

- sign 29.021+/-915.346 χ^2/NDF: 23.0/26



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

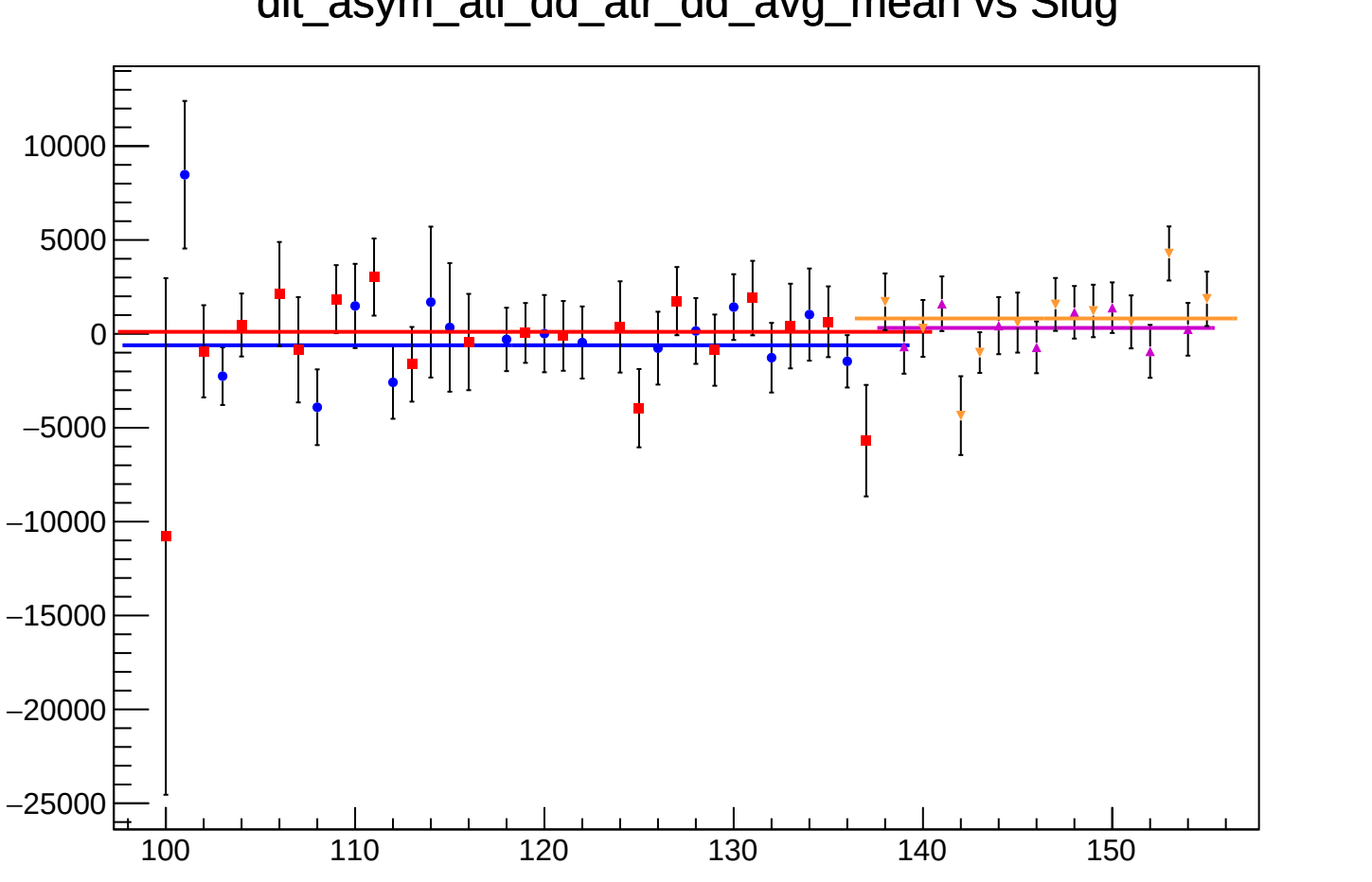
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

\+ sign 3236.618+/-0.614 χ^2/NDF: 2141946.4/25

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52

\- sign 3389.384+/-0.647 χ^2/NDF: 1211478.1/26



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

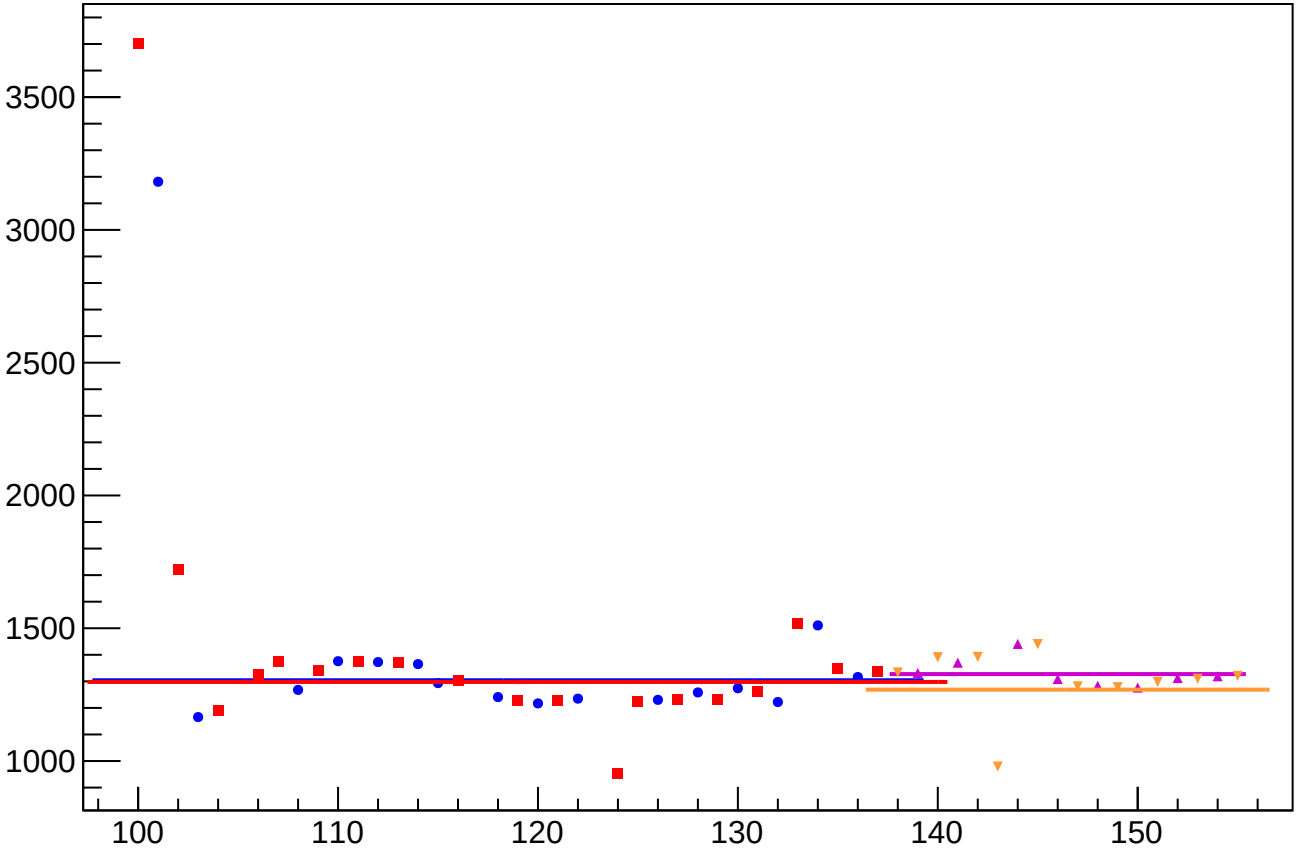
Left In: 315.673+/-501.326 χ^2/NDF:3.6/7

+ sign 164.232+/-334.971 χ^2/NDF: 34.7/25

All: 185.633+/-241.595 χ^2/NDF: 53.2/52

- sign 208.835+/-348.780 χ^2/NDF: 18.6/26

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1268.816+/-0.322 χ^2/NDF:194521.7/9

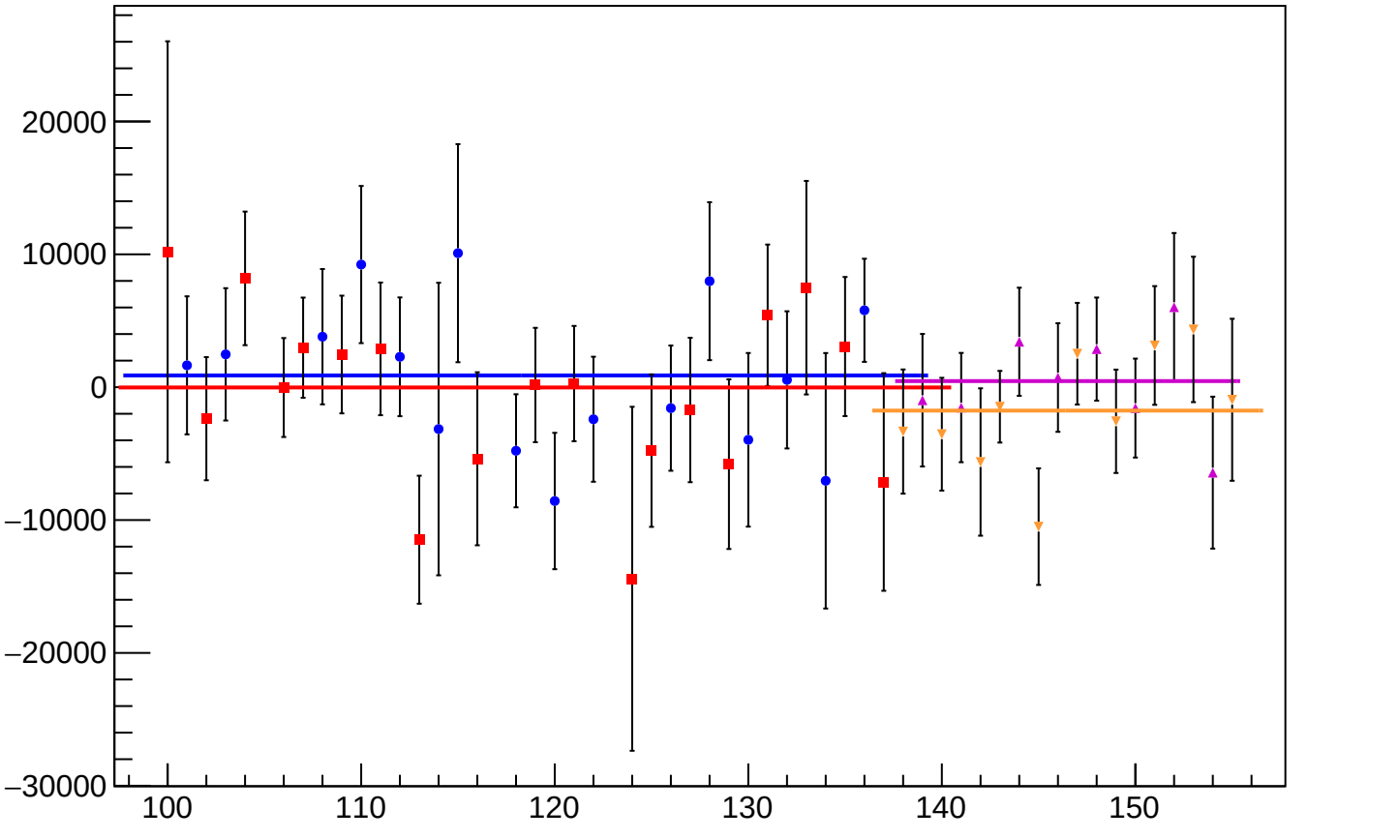
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.399+/-0.354 χ^2/NDF:18384.6/7

+ sign 1285.028+/-0.237 χ^2/NDF: 710623.1/25

All: 1298.029+/-0.171 χ^2/NDF: 951982.0/52

- sign 1312.114+/-0.247 χ^2/NDF: 235082.4/26



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1760.925+/-1326.844 χ^2/NDF:8.5/9

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

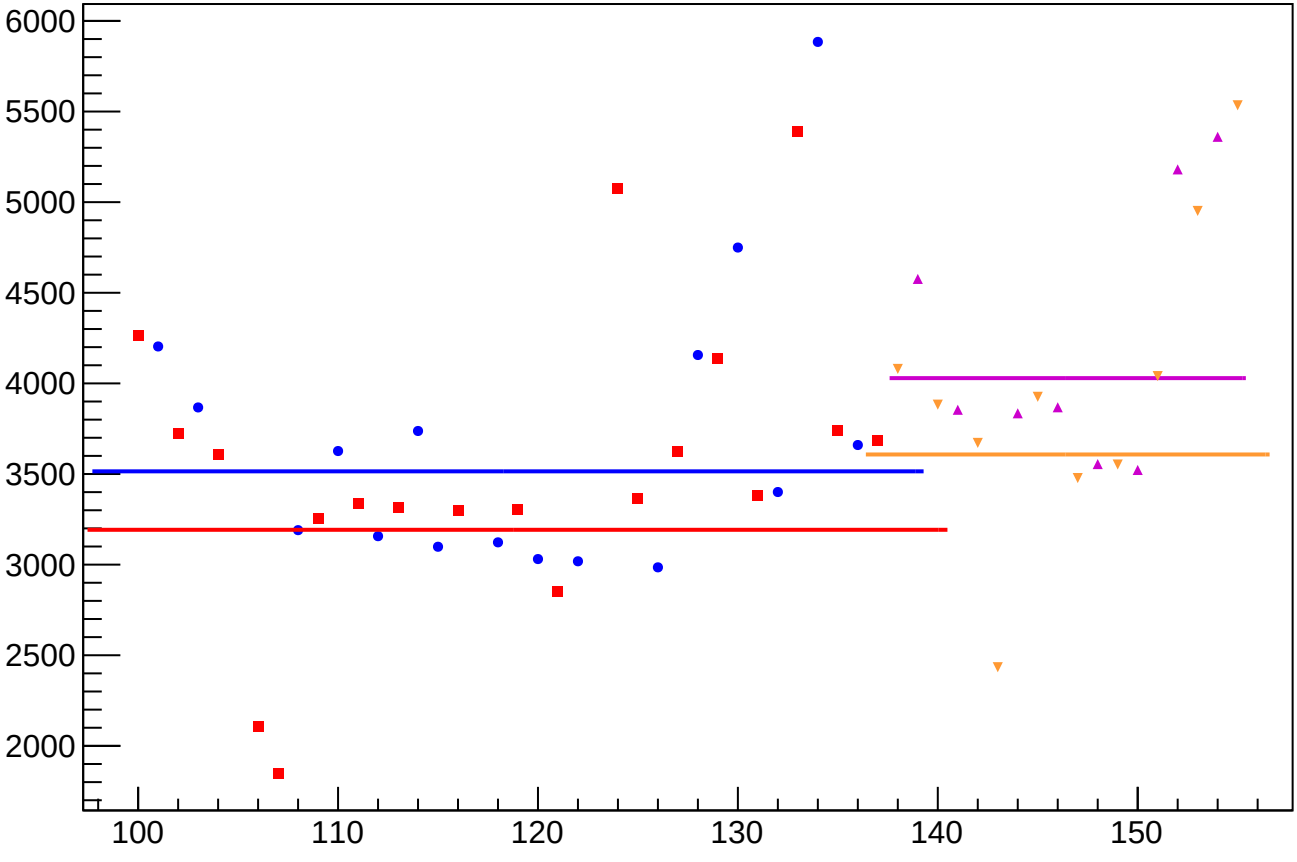
Left In: 460.355+/-1541.521 χ^2/NDF:4.0/7

+ sign -438.986+/-938.417 χ^2/NDF: 24.6/25

All: -141.783+/-666.547 χ^2/NDF: 45.7/52

- sign 160.831+/-946.920 χ^2/NDF: 20.9/26

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3607.808+/-0.938 χ^2/NDF:760158.3/9

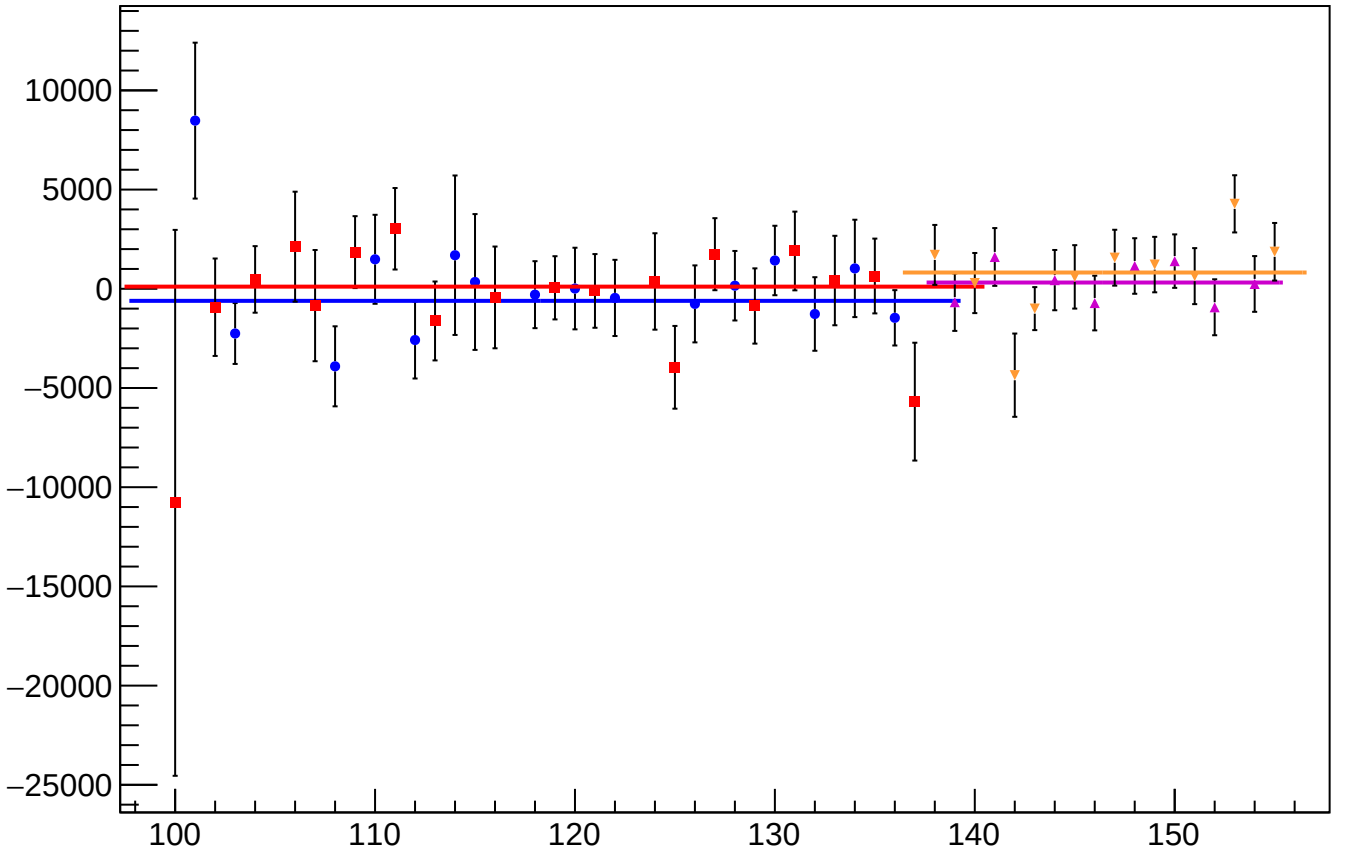
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4029.067+/-1.090 χ^2/NDF:295872.9/7

+ sign 3561.296+/-0.664 χ^2/NDF: 1140154.3/25

All: 3534.880+/-0.471 χ^2/NDF: 2578745.4/52

- sign 3507.982+/-0.670 χ^2/NDF: 1435392.6/26



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

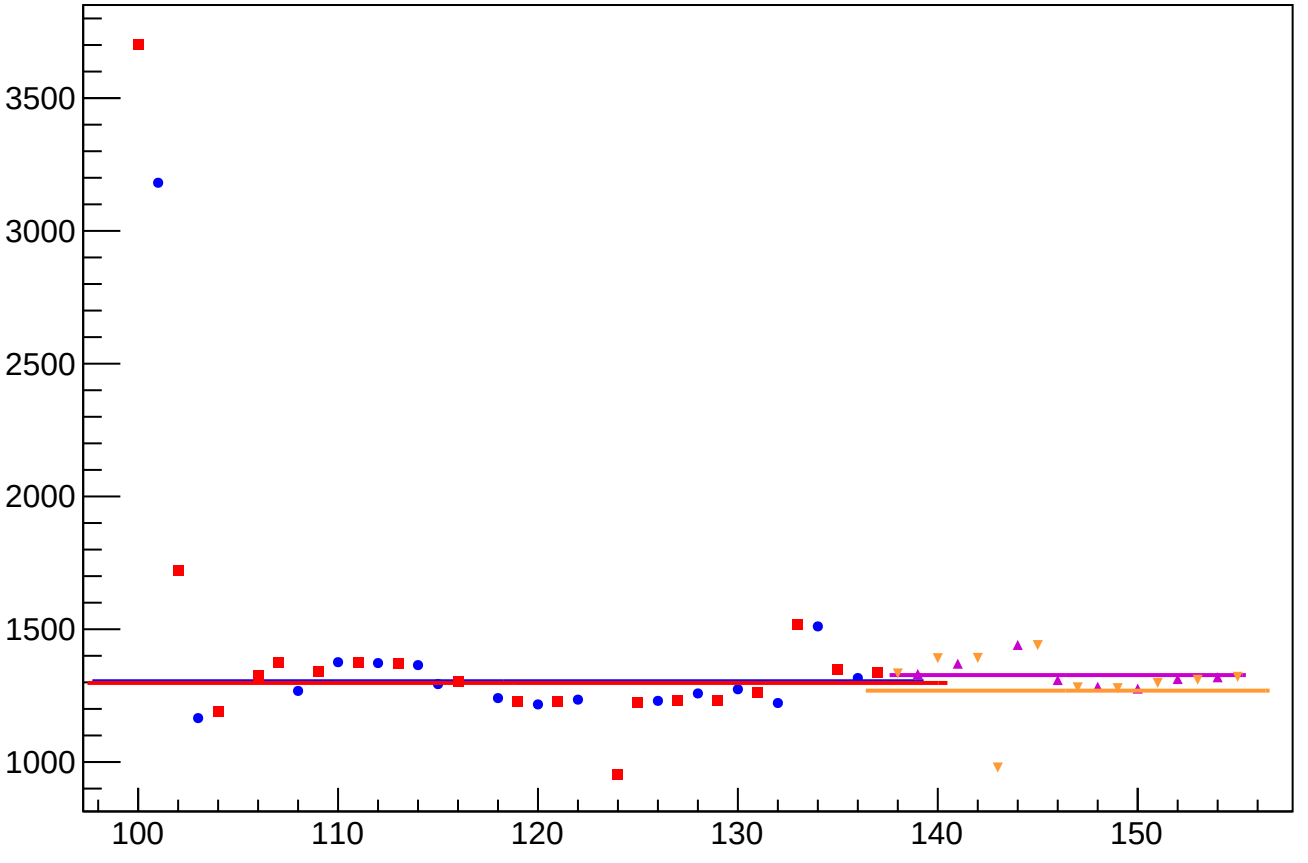
Left In: 315.671+/-501.326 χ^2/NDF:3.6/7

+ sign 164.230+/-334.971 χ^2/NDF: 34.7/25

All: 185.633+/-241.595 χ^2/NDF: 53.2/52

- sign 208.837+/-348.781 χ^2/NDF: 18.6/26

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: 1268.817+/-0.322 χ^2/NDF:194522.0/9

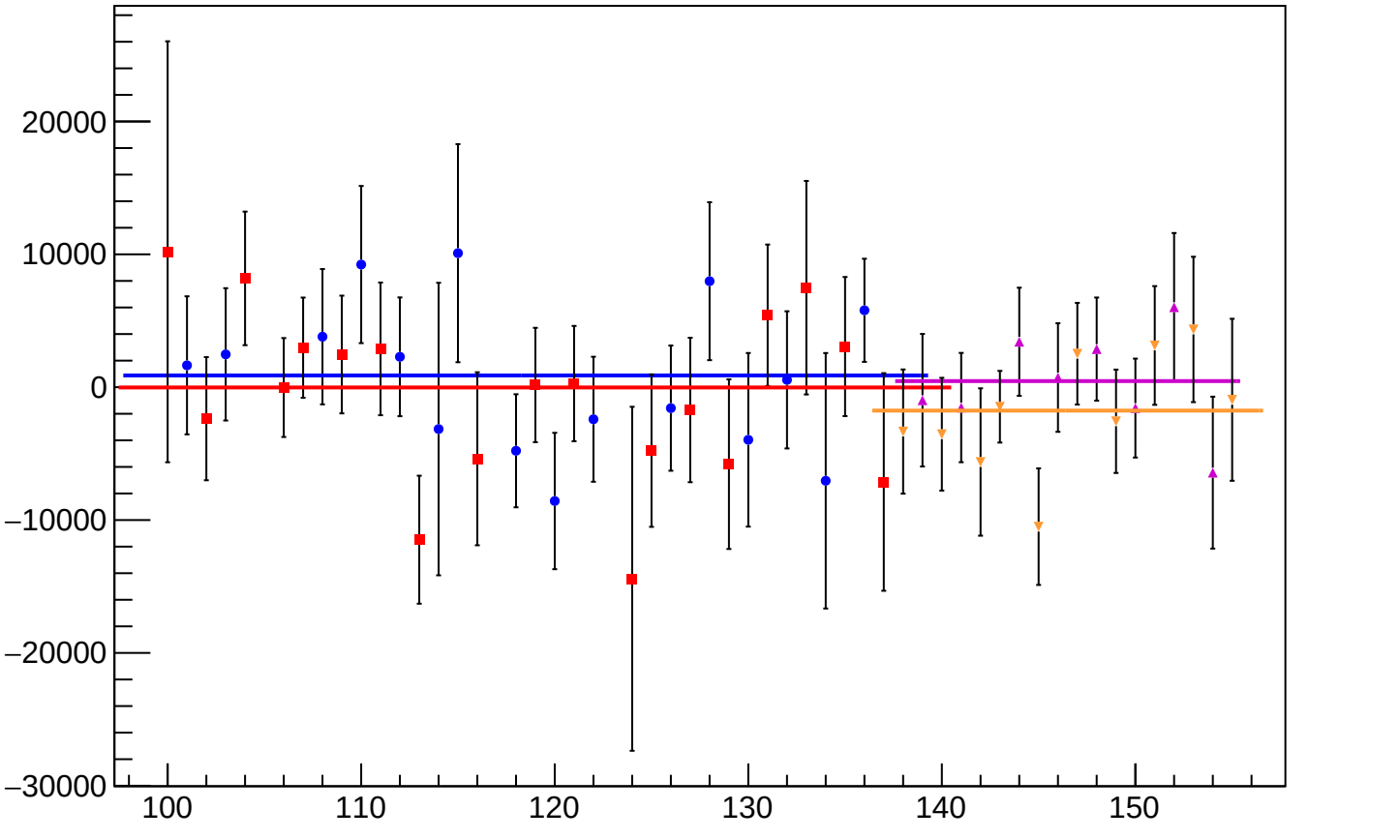
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.400+/-0.354 χ^2/NDF:18384.7/7

+ sign 1285.029+/-0.237 χ^2/NDF: 710623.2/25

All: 1298.030+/-0.171 χ^2/NDF: 951982.6/52

- sign 1312.114+/-0.247 χ^2/NDF: 235082.8/26



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1760.923+/-1326.846 χ^2/NDF:8.5/9

Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

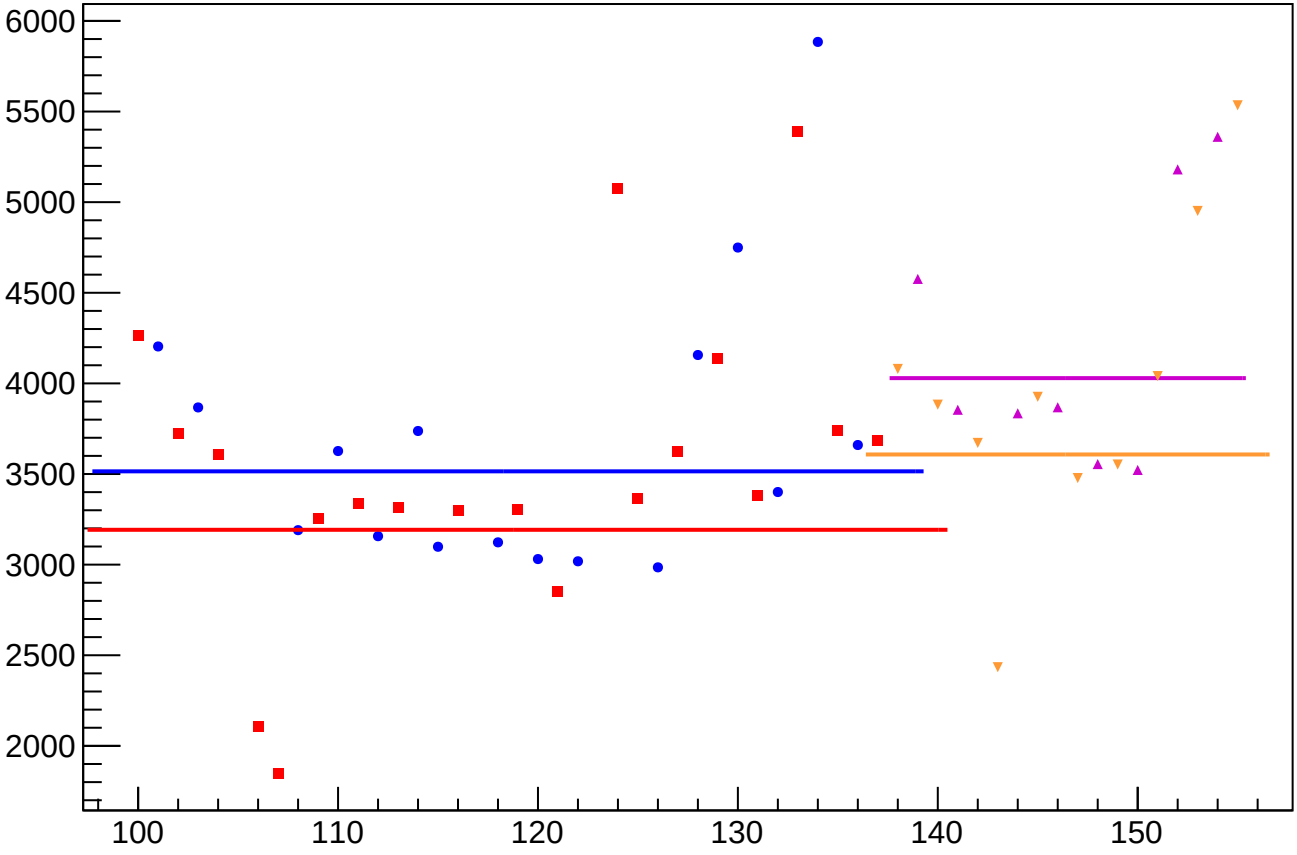
Left In: 460.354+/-1541.523 χ^2/NDF:4.0/7

+ sign -438.985+/-938.416 χ^2/NDF: 24.6/25

All: -141.782+/-666.546 χ^2/NDF: 45.7/52

- sign 160.832+/-946.920 χ^2/NDF: 20.9/26

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3607.813+/-0.938 χ^2/NDF:760158.4/9

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

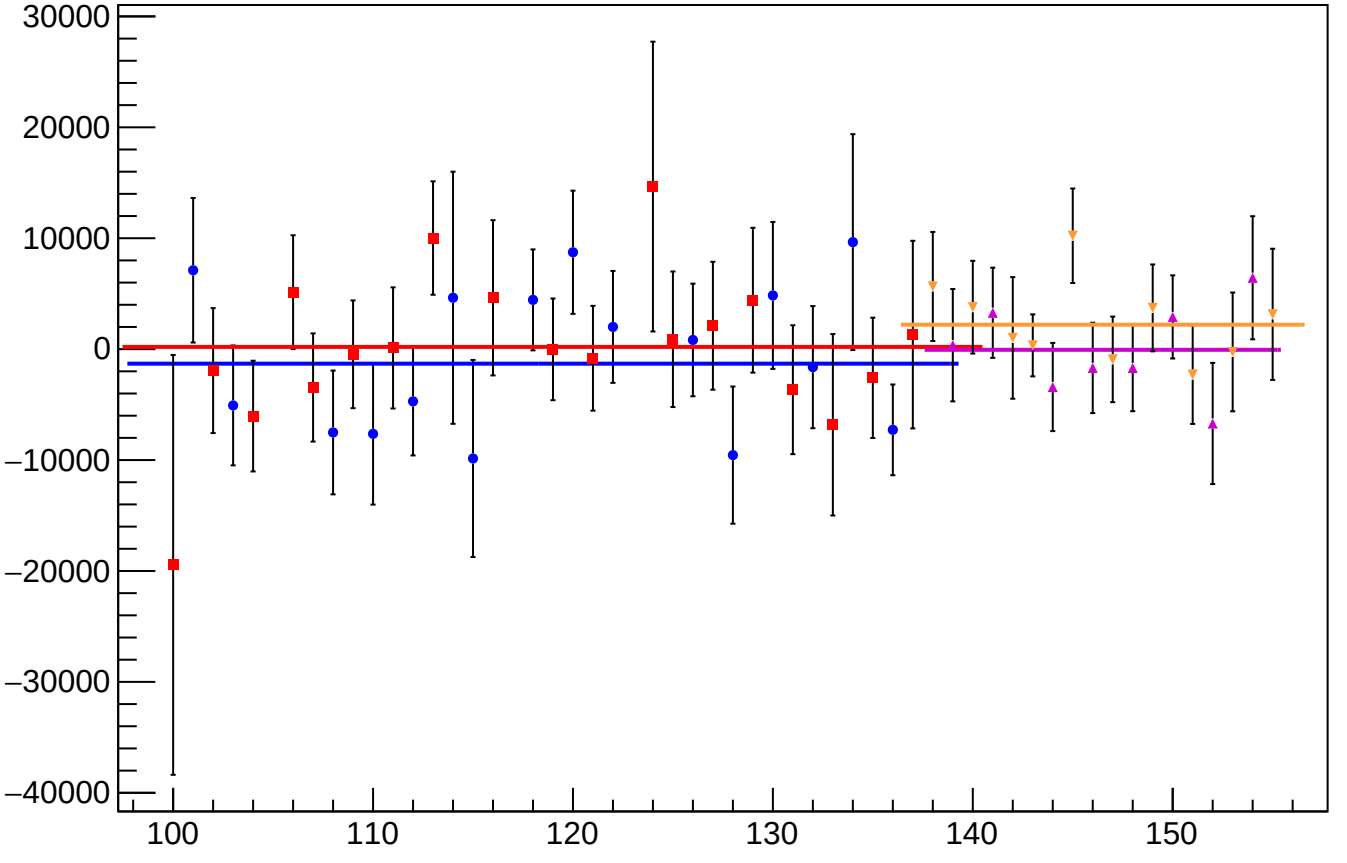
Left In: 4029.072+/-1.090 χ^2/NDF:295873.4/7

\+ sign 3561.294+/-0.664 χ^2/NDF: 1140160.1/25

All: 3534.876+/-0.471 χ^2/NDF: 2578765.7/52

\- sign 3507.978+/-0.670 χ^2/NDF: 1435406.8/26

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2203.166+/-1334.679 χ^2/NDF:6.7/9

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

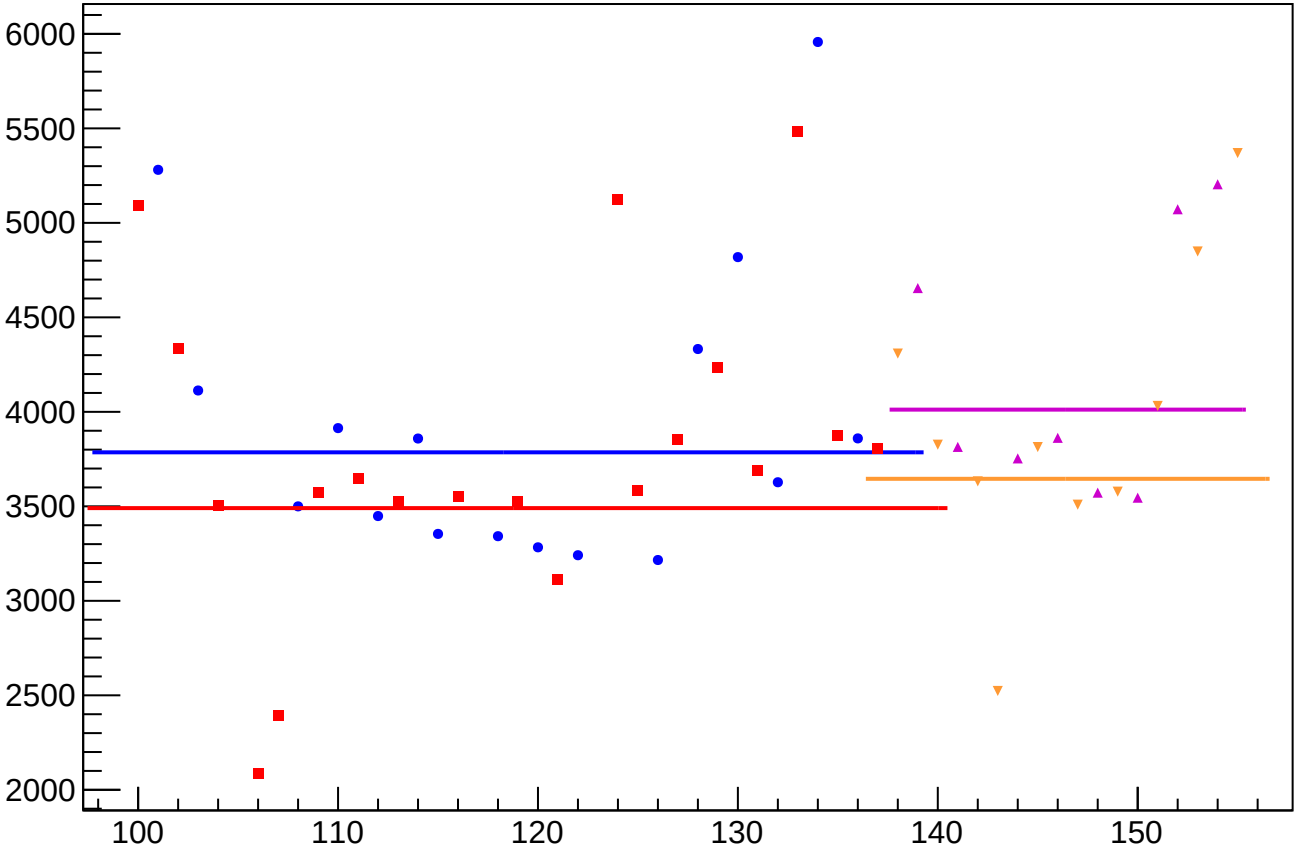
Left In: -60.364+/-1532.346 χ^2/NDF:5.2/7

+ sign 569.854+/-976.235 χ^2/NDF: 27.5/25

All: 336.628+/-700.937 χ^2/NDF: 44.5/52

- sign 88.457+/-1007.032 χ^2/NDF: 16.9/26

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3645.649+/-0.944 χ^2/NDF:654864.0/9

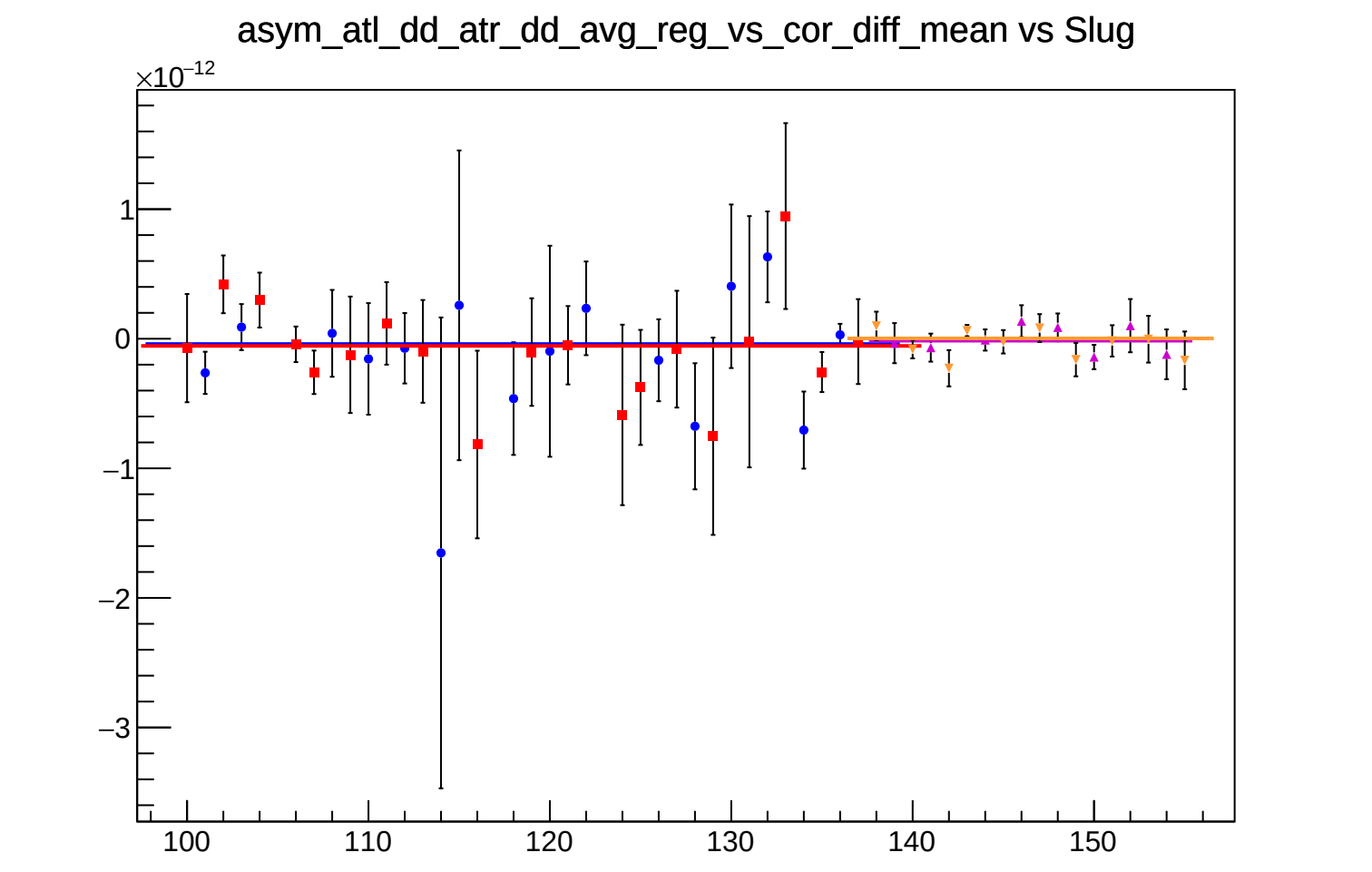
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4011.759+/-1.084 χ^2/NDF:272083.9/7

+ sign 3710.807+/-0.690 χ^2/NDF: 1048107.7/25

All: 3711.481+/-0.494 χ^2/NDF: 2039885.7/52

- sign 3712.187+/-0.707 χ^2/NDF: 991776.0/26



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/9

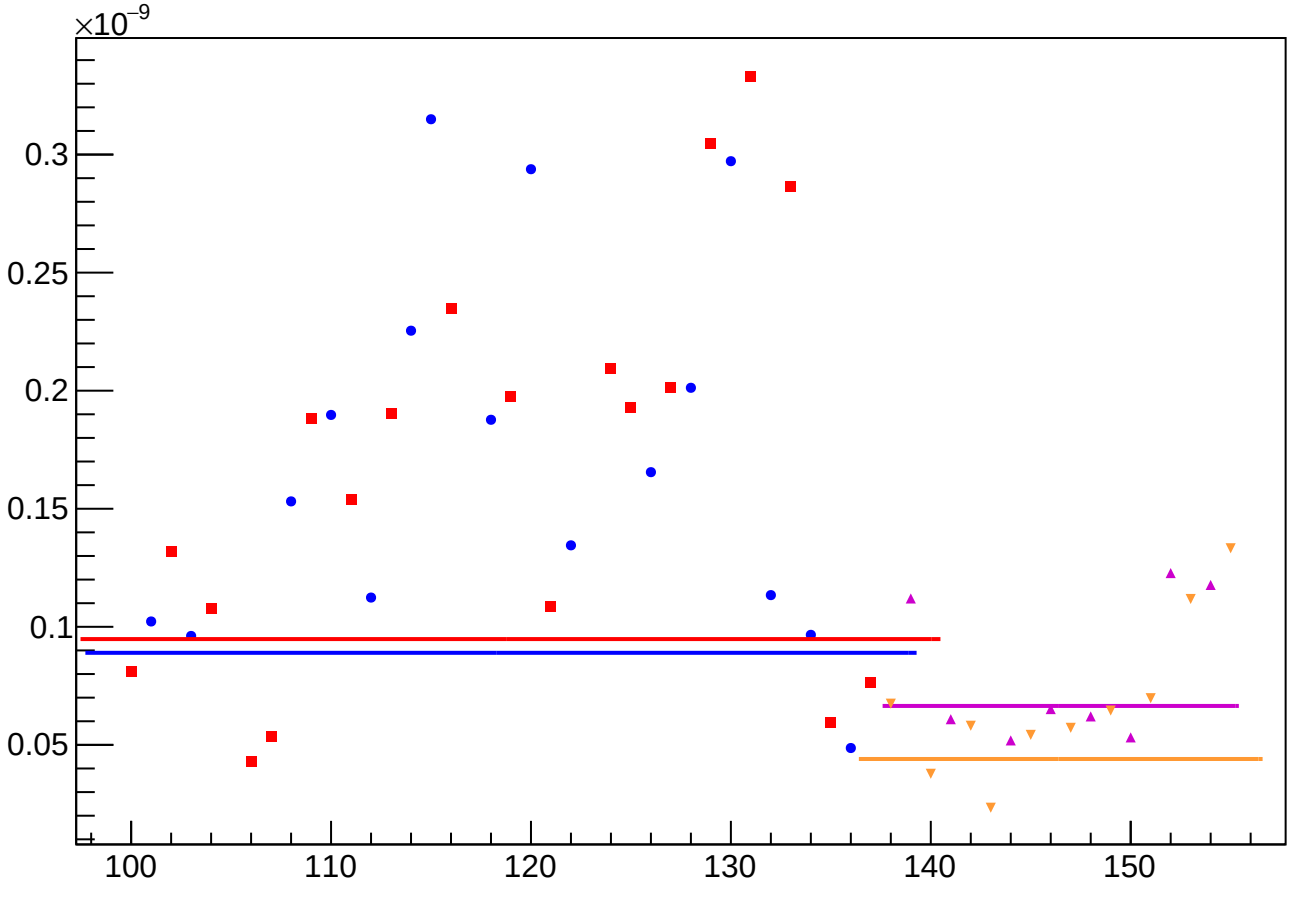
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/7

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/25

All: -0.000+/-0.000 χ^2/NDF: 48.1/52

- sign -0.000+/-0.000 χ^2/NDF: 21.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1367936.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

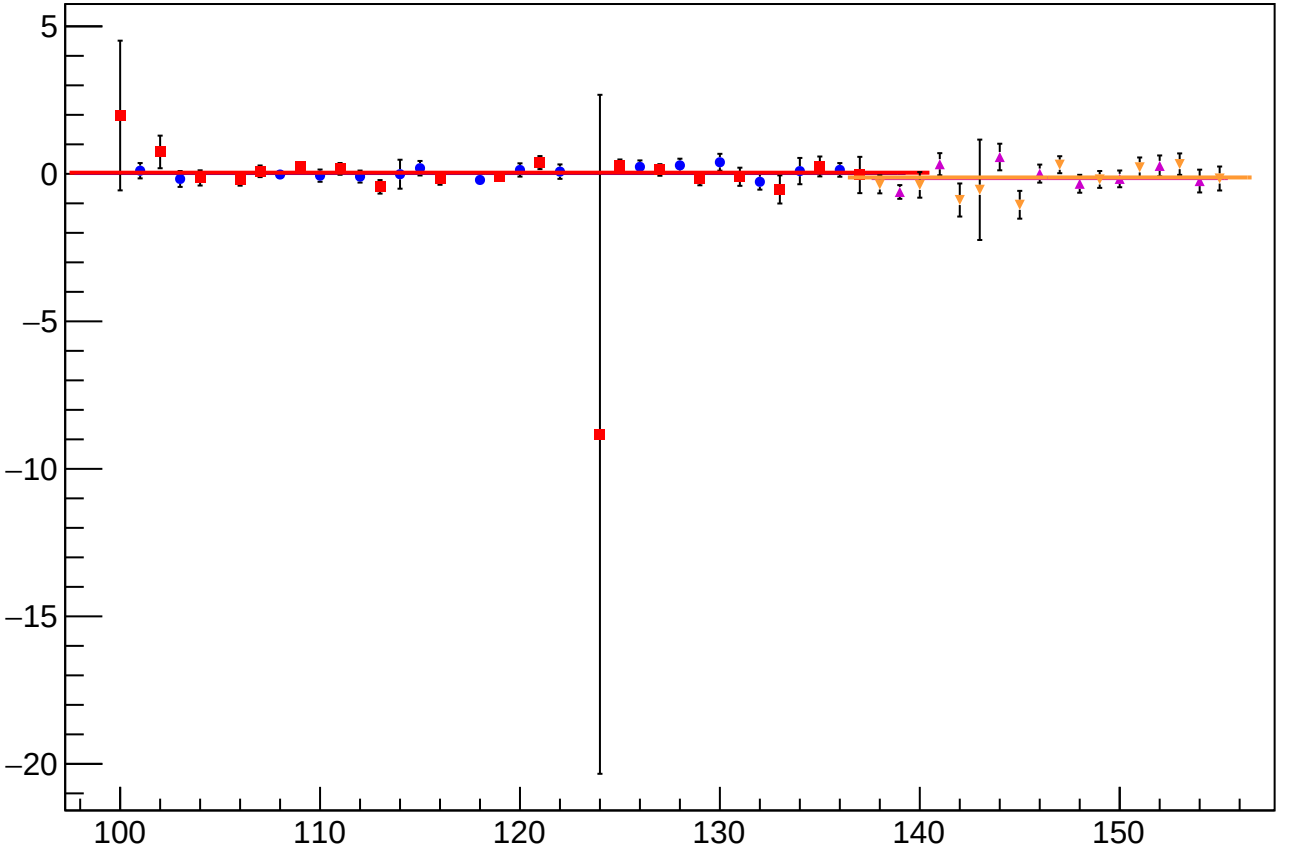
Left In: 0.000+/-0.000 χ^2/NDF:577604.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 3771826.6/25

All: 0.000+/-0.000 χ^2/NDF: 6898108.9/52

- sign 0.000+/-0.000 χ^2/NDF: 2589627.7/26

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

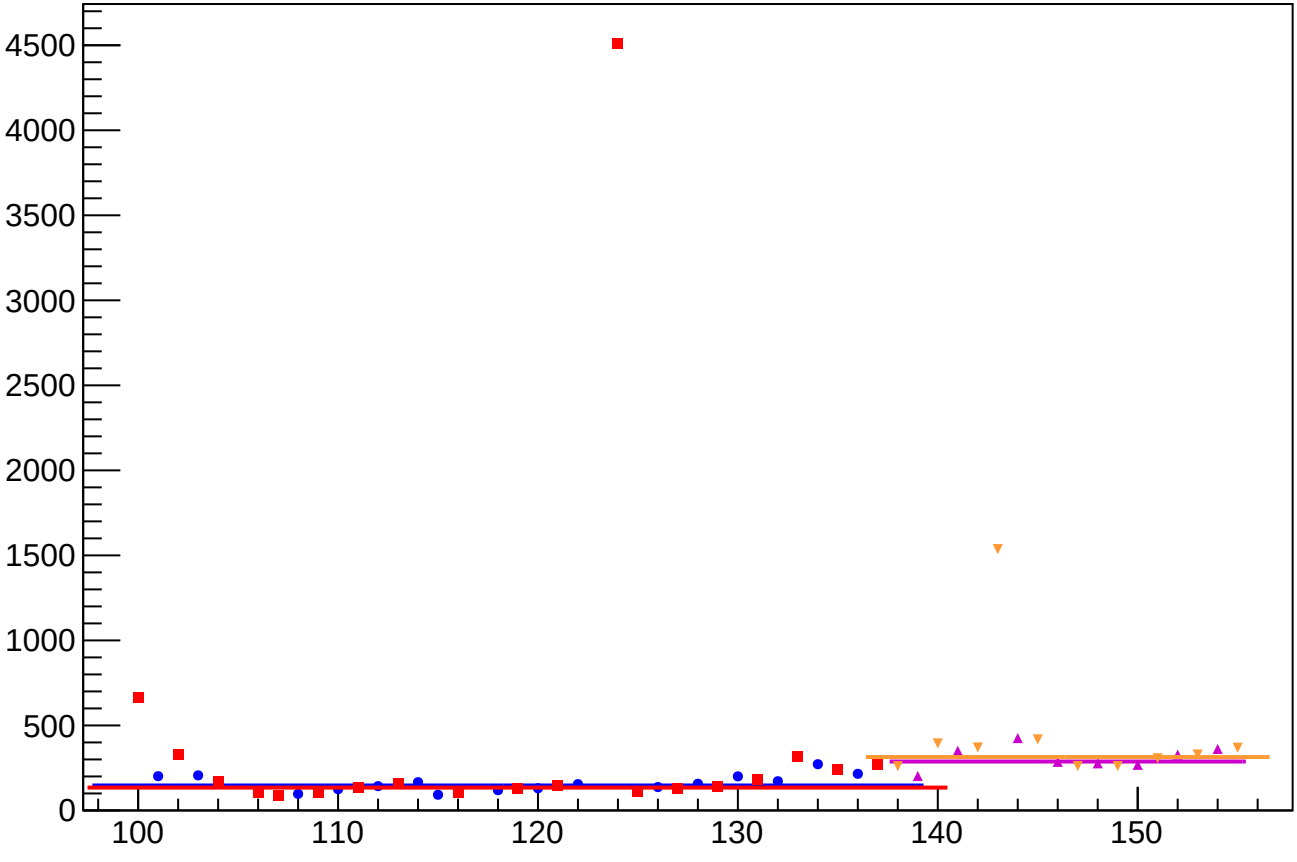
Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 314.096+/-0.084 χ^2/NDF:1457813.7/9

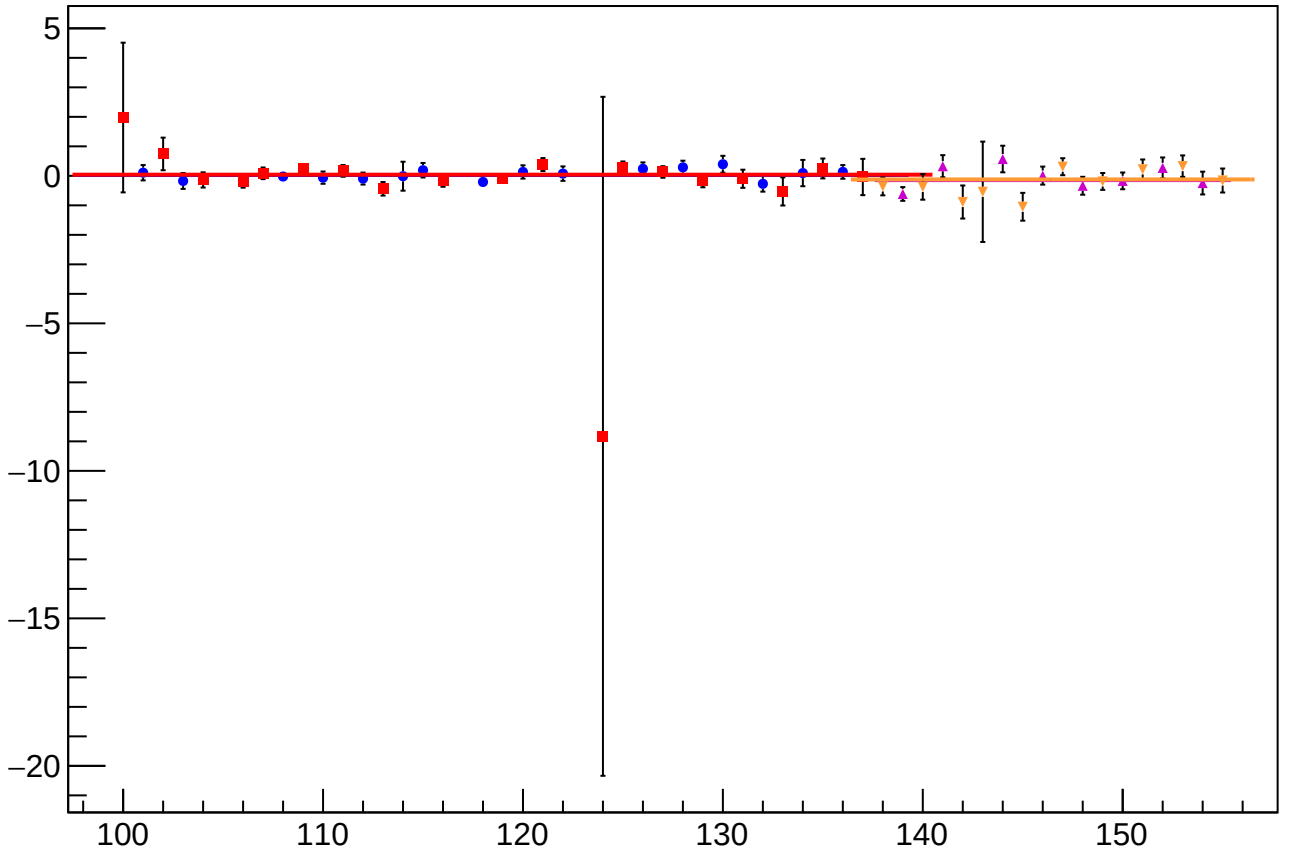
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673653.9/25

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52

- sign 163.923+/-0.035 χ^2/NDF: 5235024.6/26



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

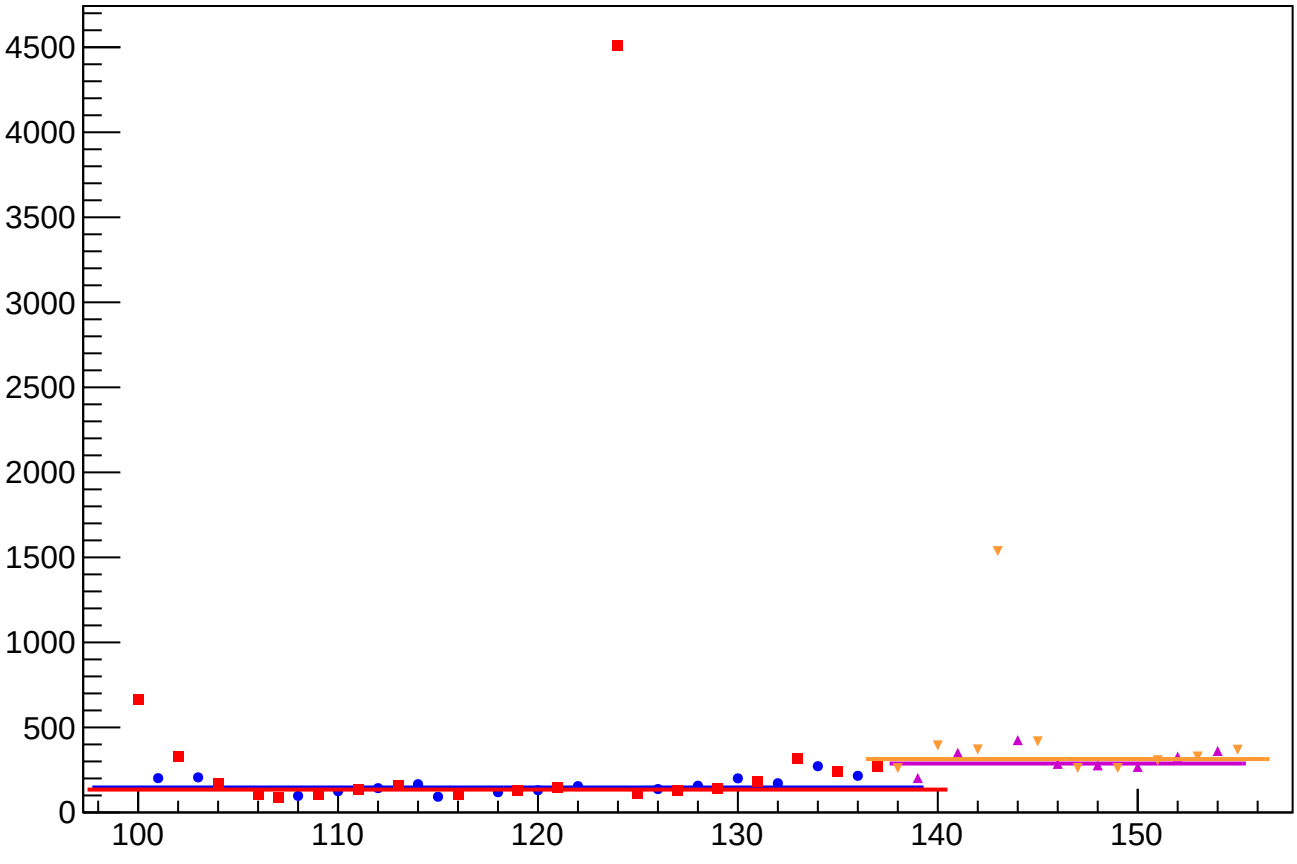
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 314.096+/-0.084 χ^2/NDF:1457813.7/9

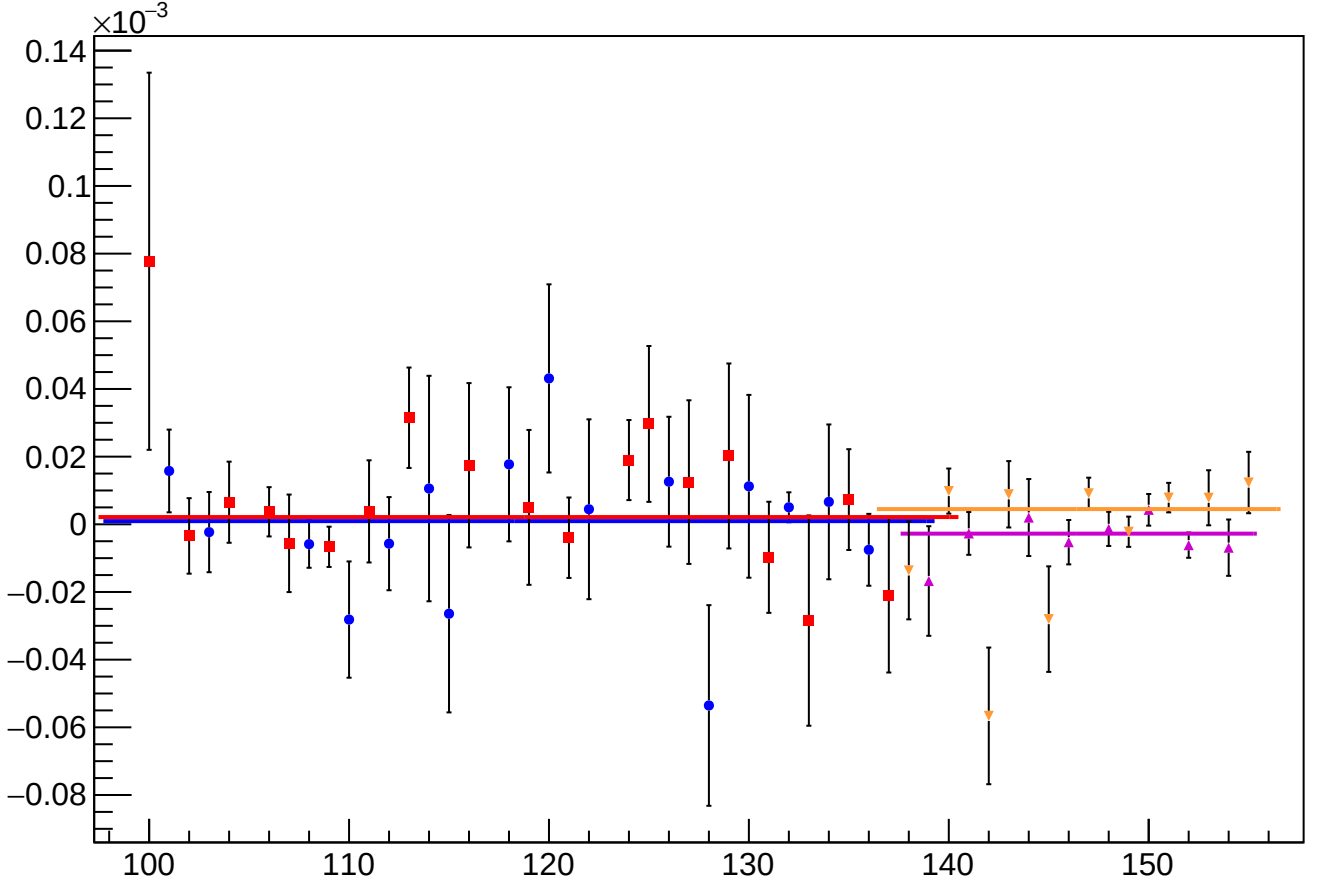
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673653.9/25

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52

- sign 163.923+/-0.035 χ^2/NDF: 5235024.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/9

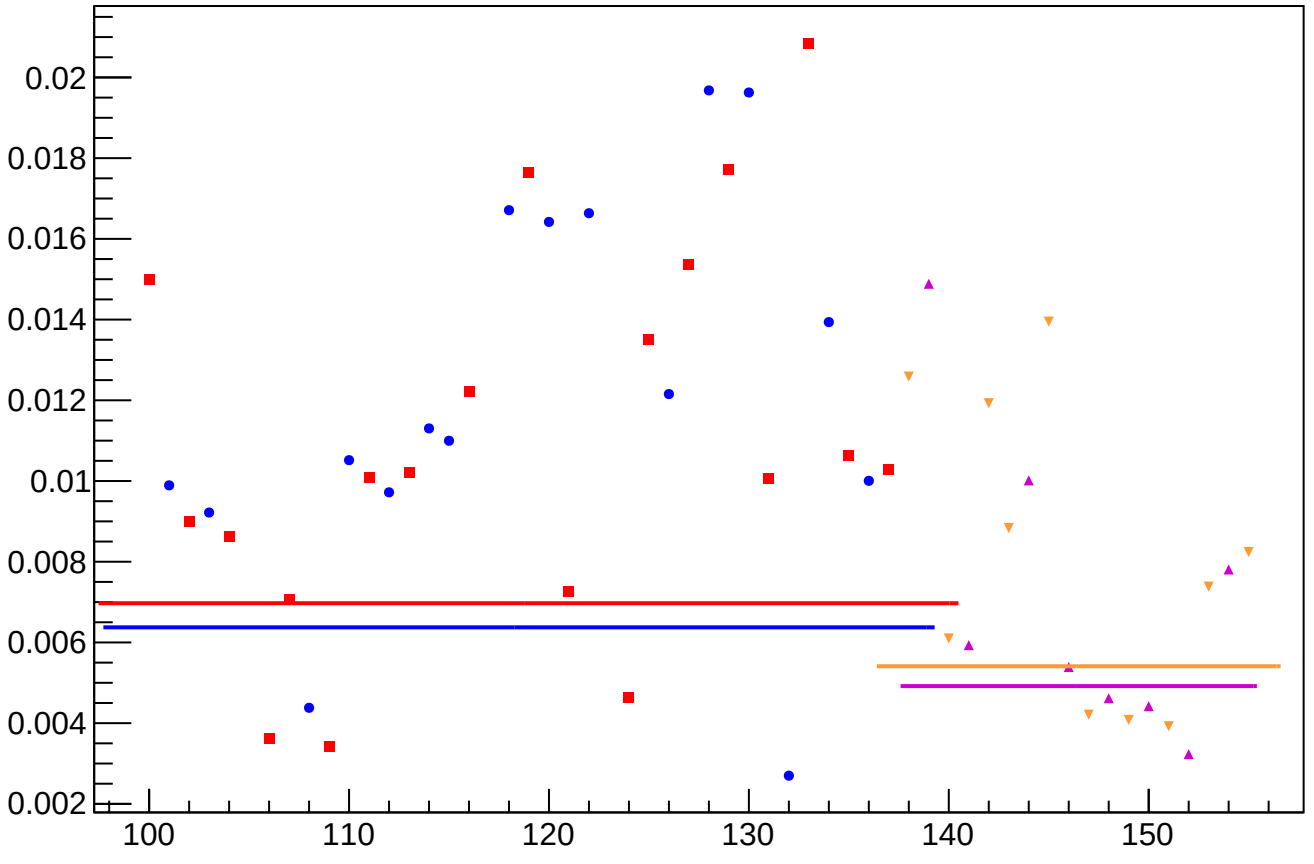
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/25

All: 0.000+/-0.000 χ^2/NDF: 62.2/52

- sign -0.000+/-0.000 χ^2/NDF: 22.3/26



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2422742.1/9

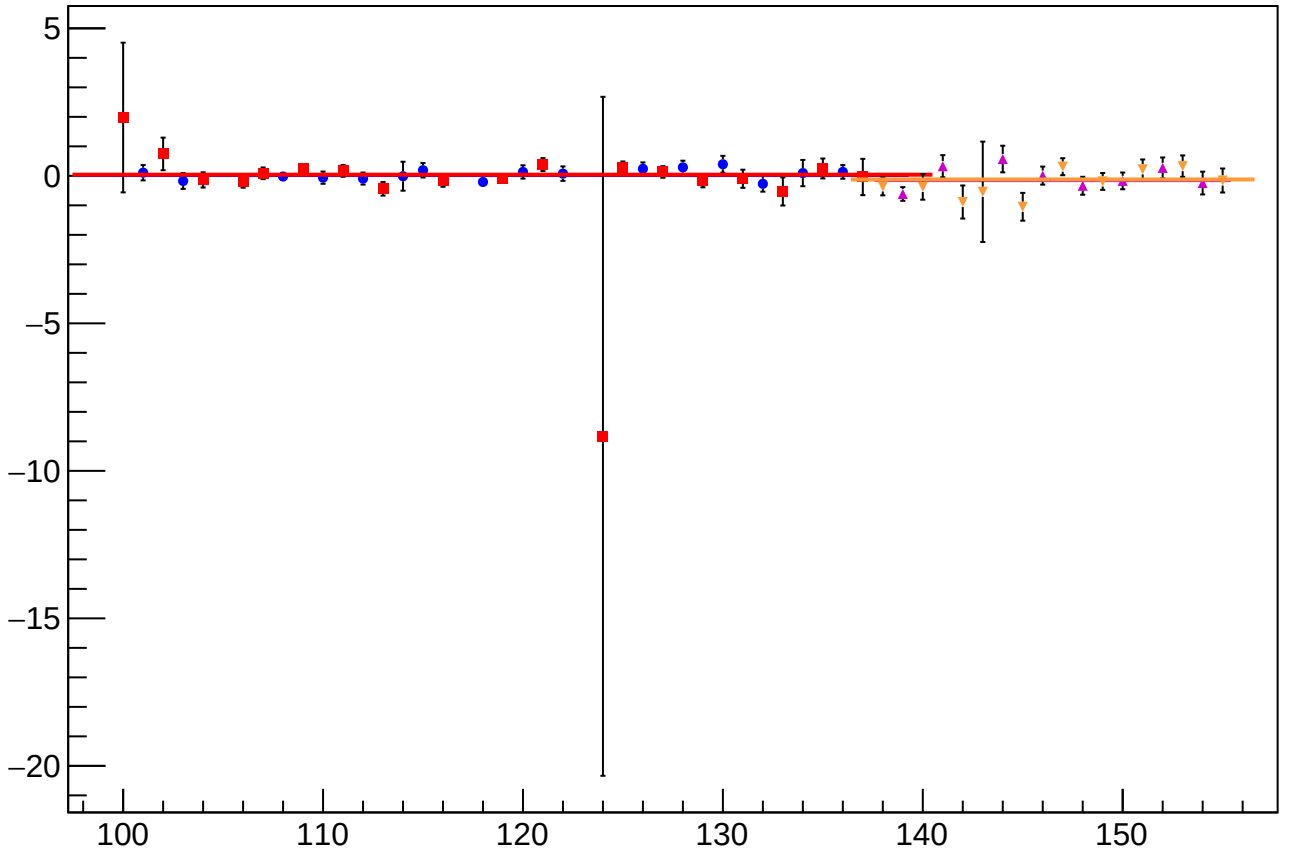
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1899835.1/7

+ sign 0.006+/-0.000 χ^2/NDF: 7204447.8/25

All: 0.006+/-0.000 χ^2/NDF: 13151769.2/52

- sign 0.006+/-0.000 χ^2/NDF: 5938376.7/26



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

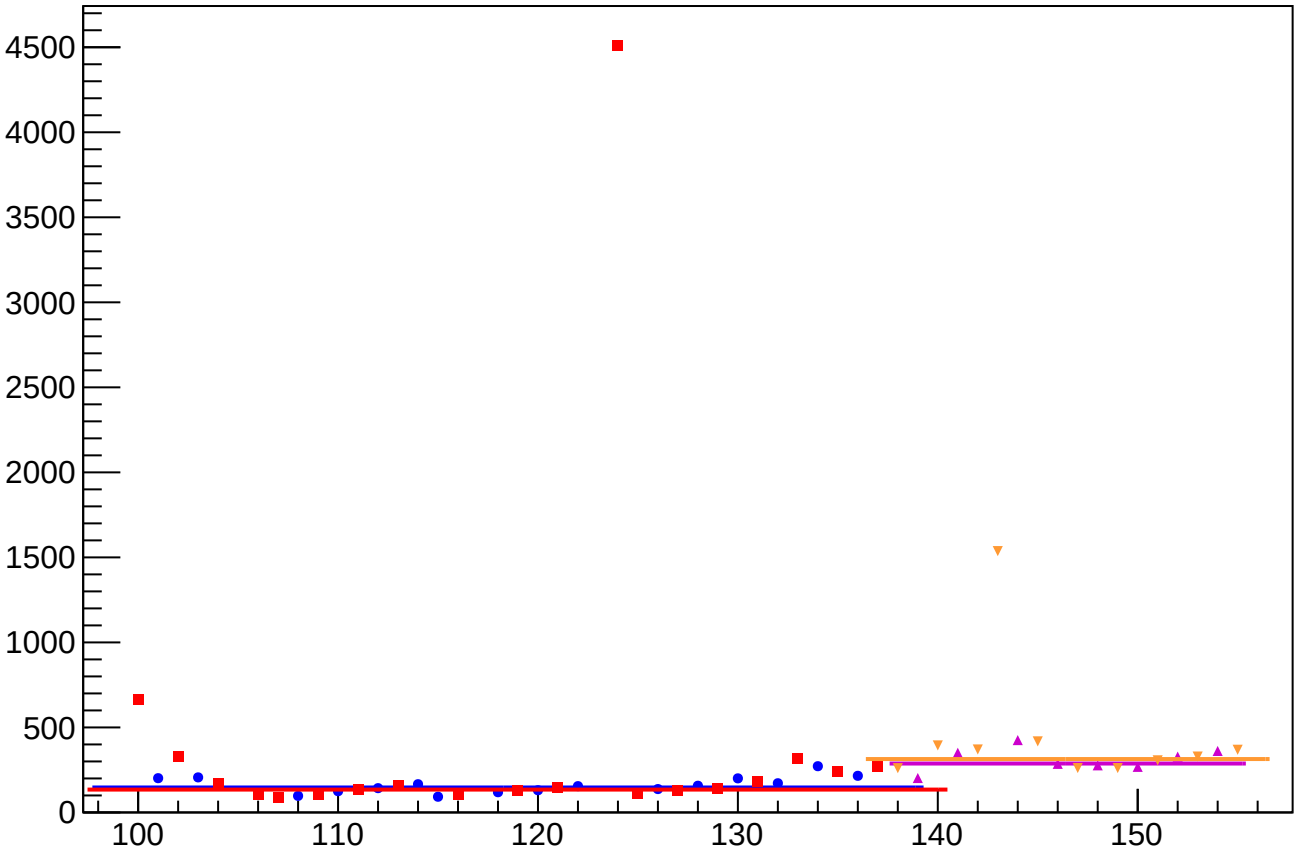
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 314.099+/-0.084 χ^2/NDF:1457814.6/9

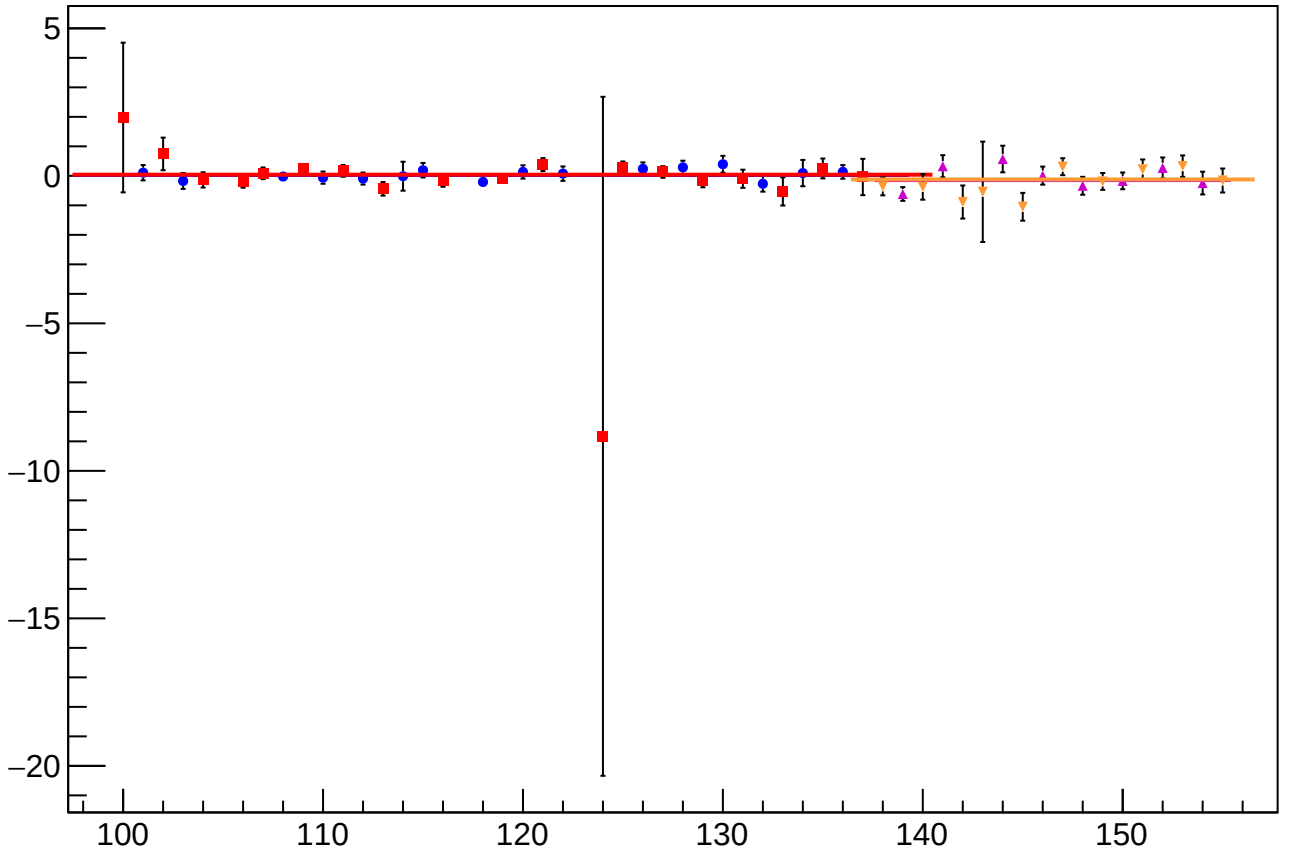
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673676.2/25

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52

- sign 163.924+/-0.035 χ^2/NDF: 5234963.5/26



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

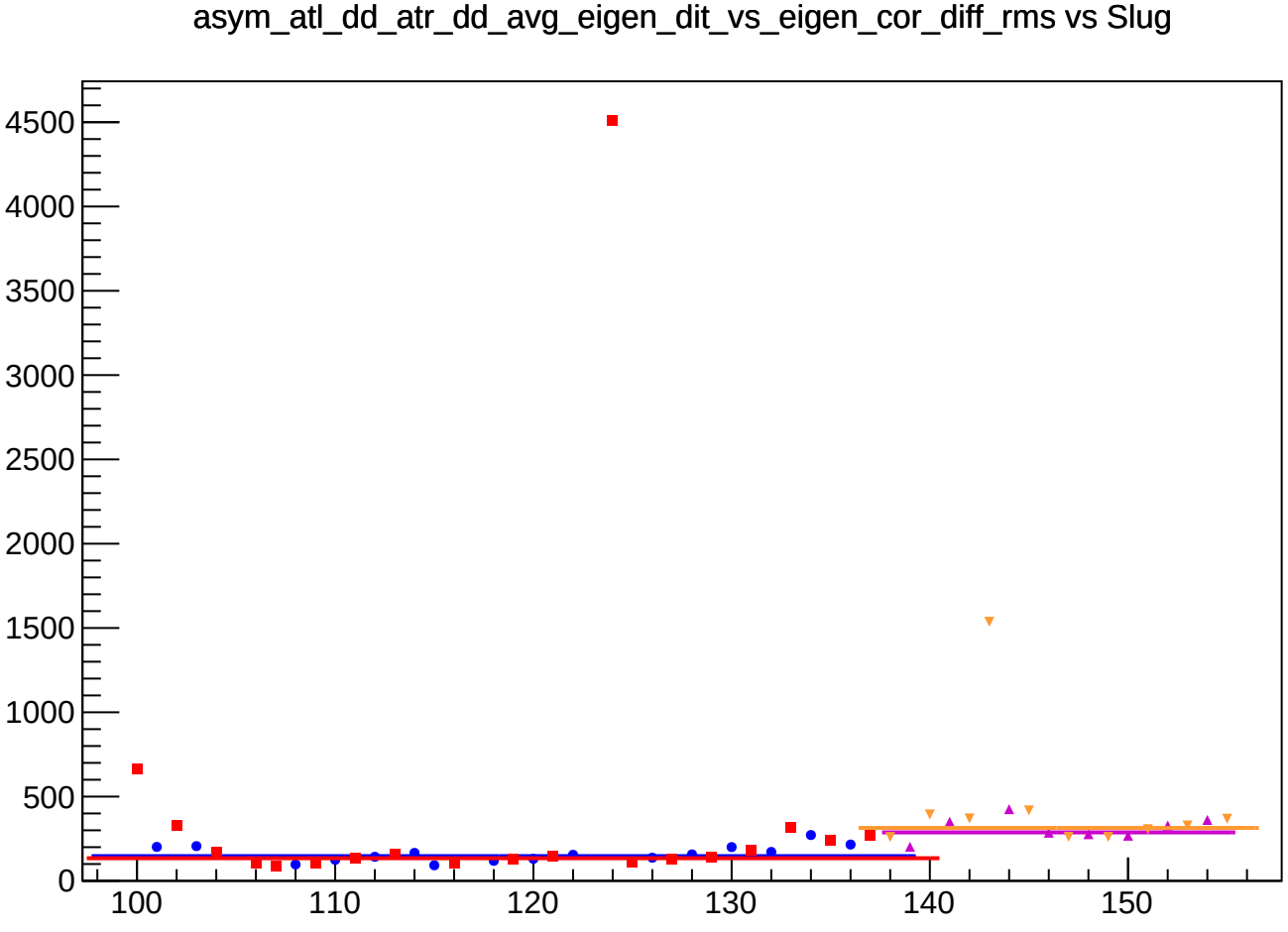
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

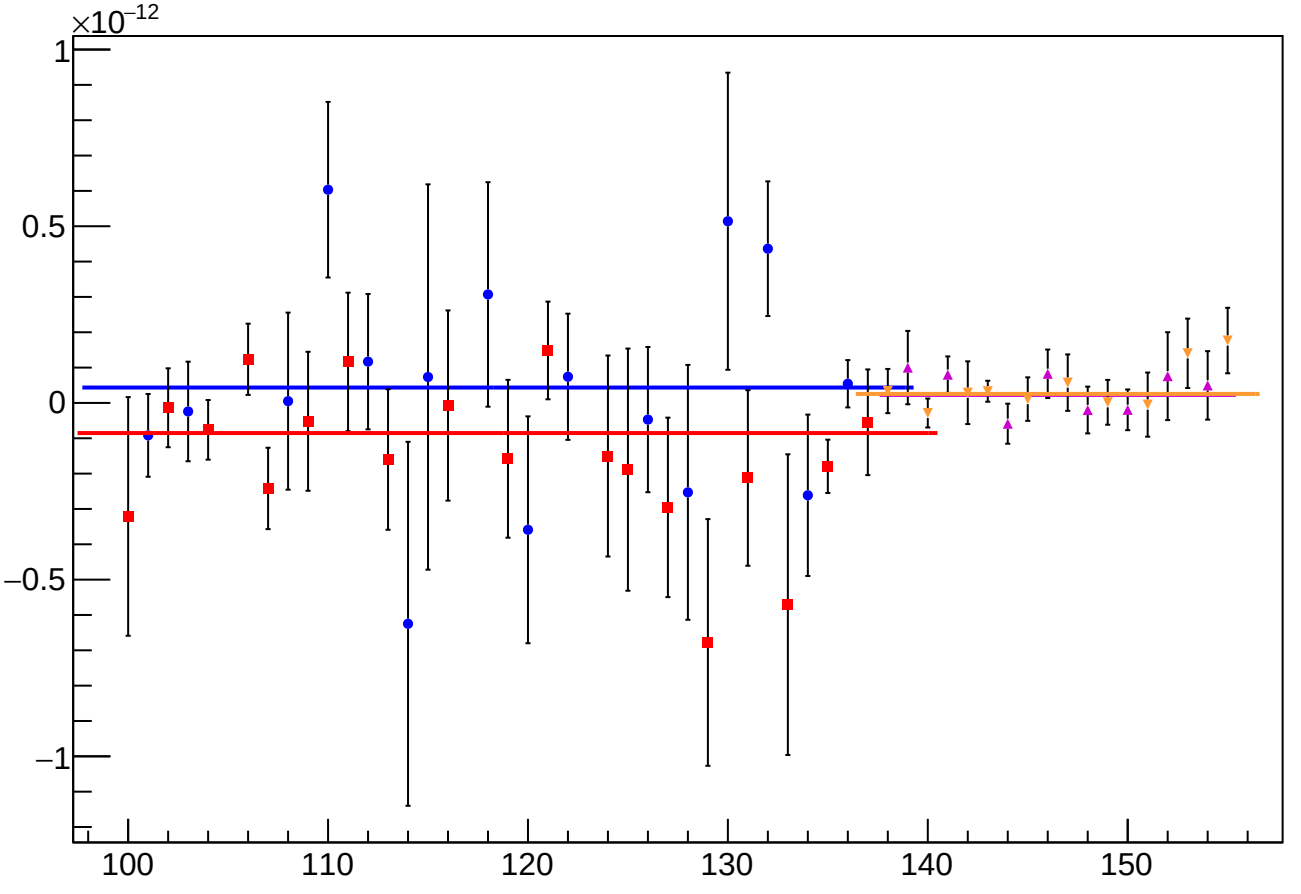
Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26


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
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 314.099+/-0.084 χ²/NDF:1457814.6/9
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 287.731+/-0.079 χ²/NDF:624316.3/7
+ sign 178.849+/-0.037 χ²/NDF: 5673676.2/25
All: 170.996+/-0.025 χ²/NDF: 10995698.6/52
- sign 163.924+/-0.035 χ²/NDF: 5234963.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/9

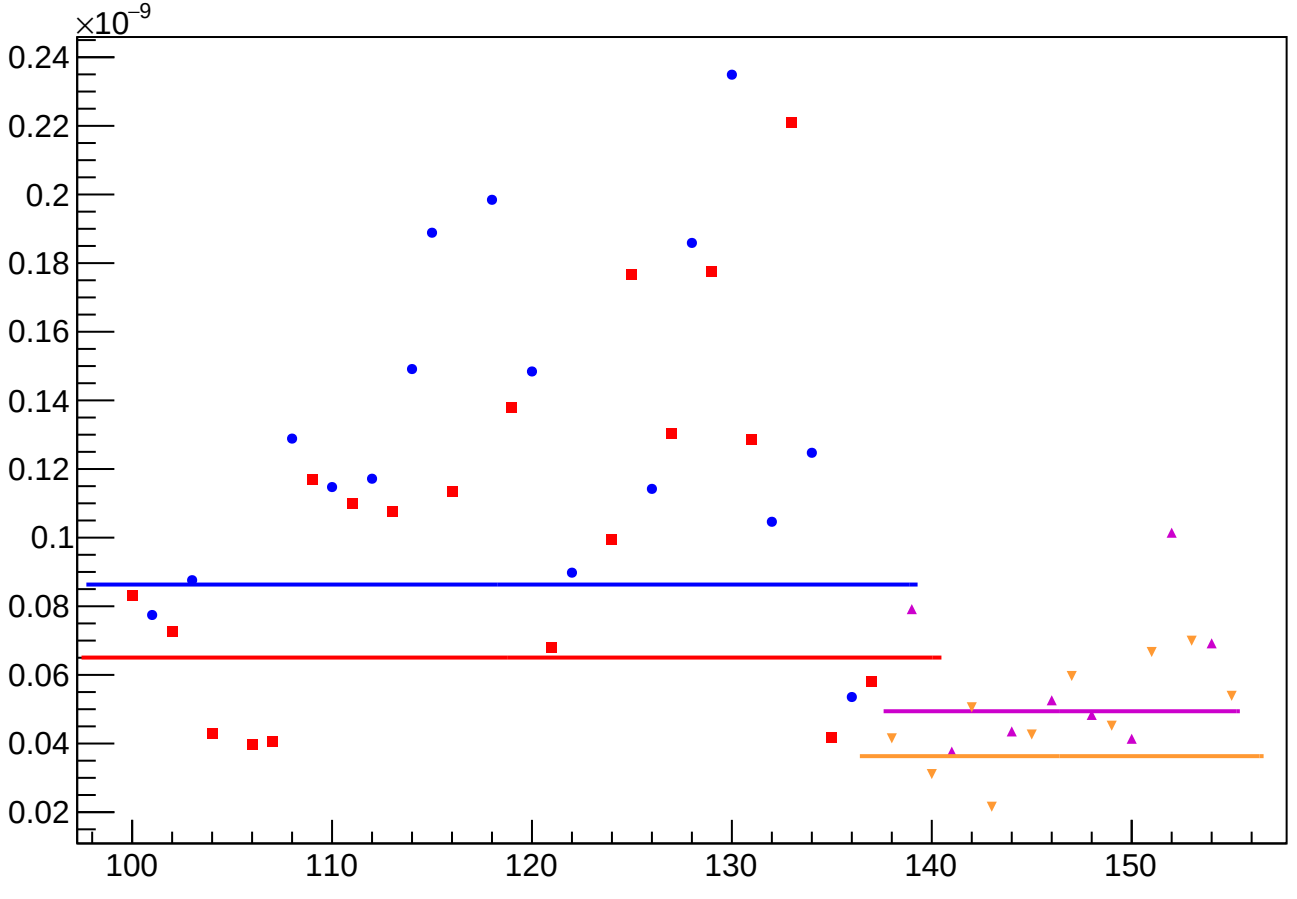
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 25.4/25

All: 0.000+/-0.000 χ^2/NDF: 58.7/52

- sign -0.000+/-0.000 χ^2/NDF: 30.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354172.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

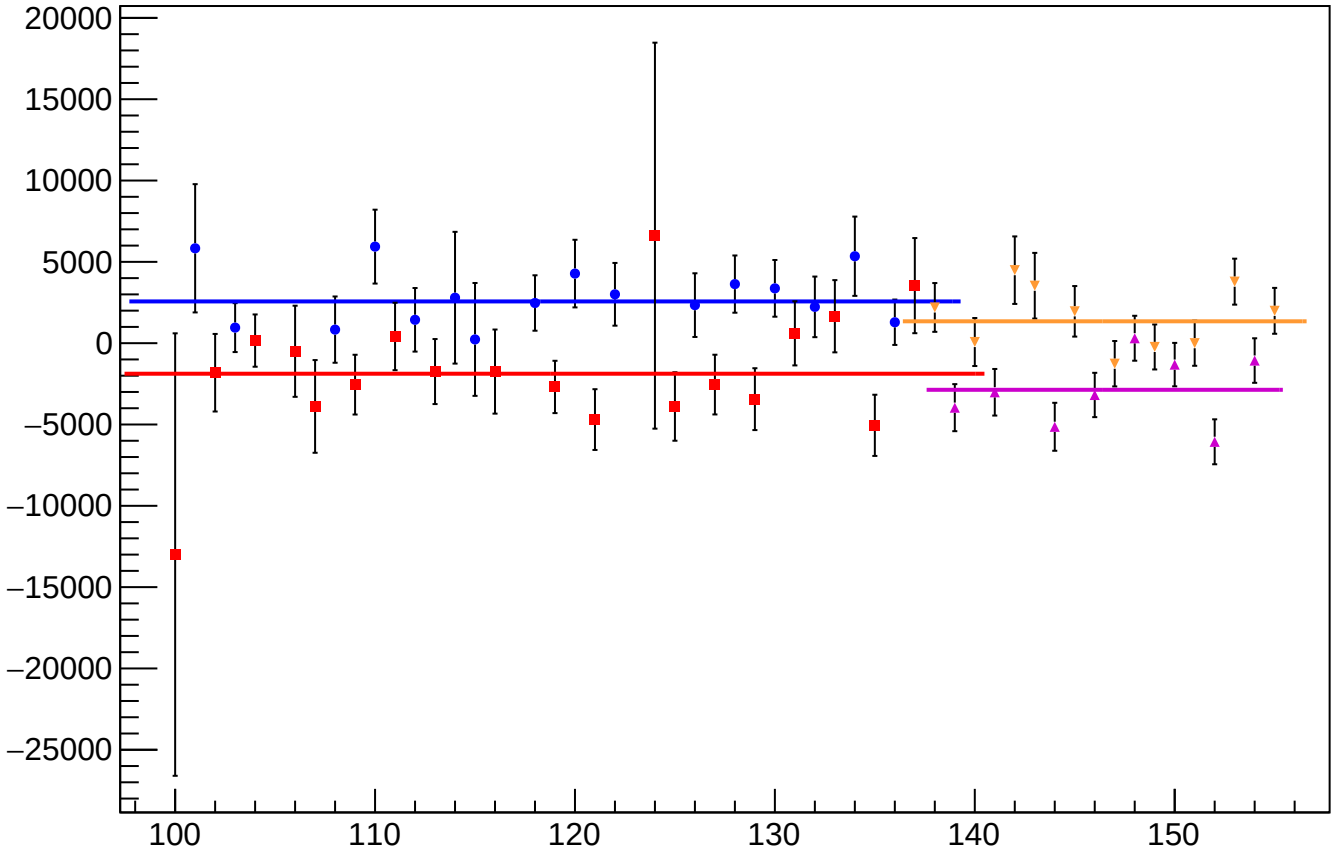
Left In: 0.000+/-0.000 χ^2/NDF:767201.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 5250455.9/25

All: 0.000+/-0.000 χ^2/NDF: 8810440.0/52

- sign 0.000+/-0.000 χ^2/NDF: 3203789.6/26

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1345.093+/-479.363 χ^2/NDF:13.6/9

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

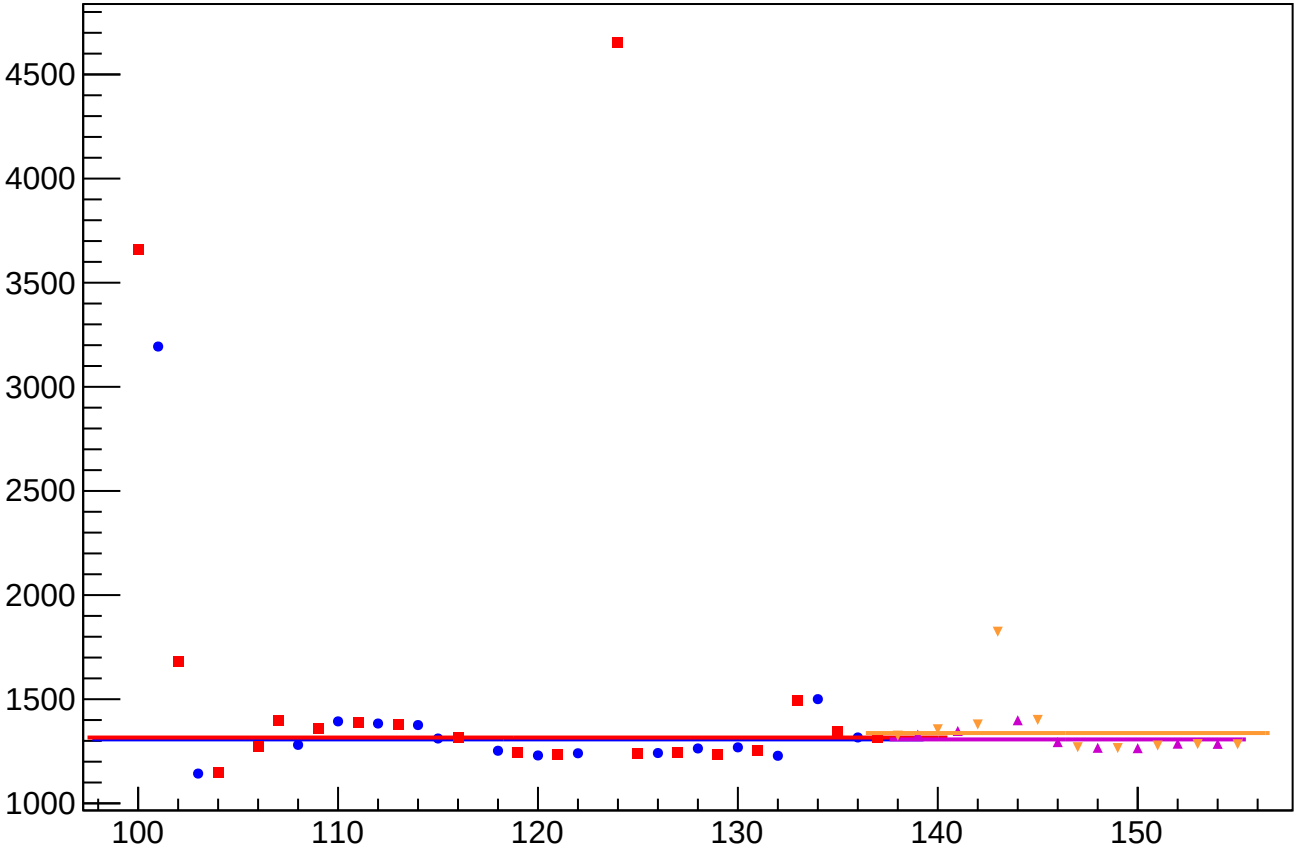
Left In: -2866.666+/-493.529 χ^2/NDF:16.7/7

+ sign 1936.216+/-344.479 χ^2/NDF: 25.8/25

All: -188.111+/-245.304 χ^2/NDF: 141.2/52

- sign -2373.538+/-349.398 χ^2/NDF: 38.3/26

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1337.513+/-0.339 χ^2/NDF:140375.3/9

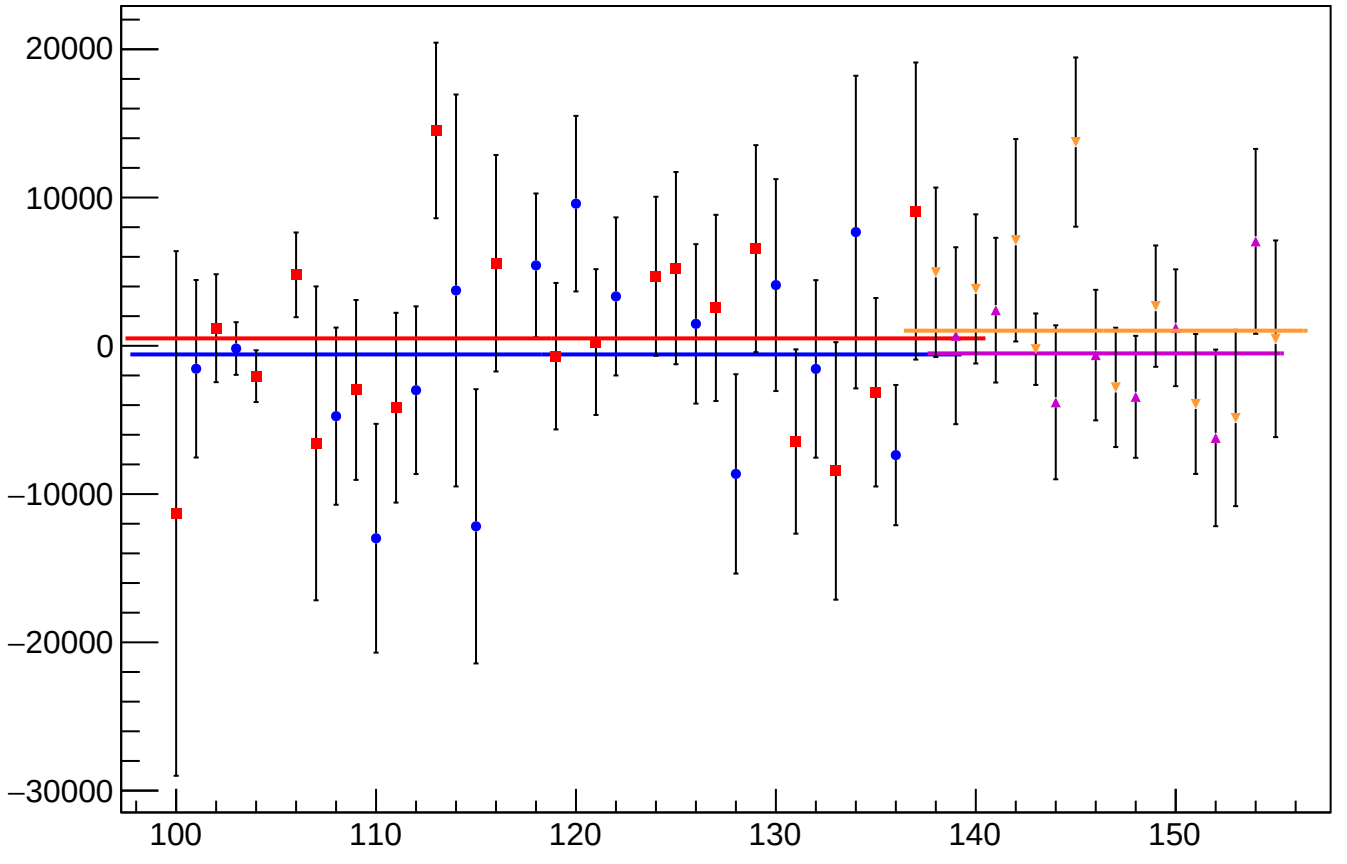
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1306.906+/-0.349 χ^2/NDF:14662.9/7

+ sign 1322.790+/-0.244 χ^2/NDF: 660525.6/25

All: 1317.195+/-0.173 χ^2/NDF: 1003017.2/52

- sign 1311.454+/-0.247 χ^2/NDF: 341422.4/26



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 1020.683+/-1397.895 χ^2/NDF:10.0/9

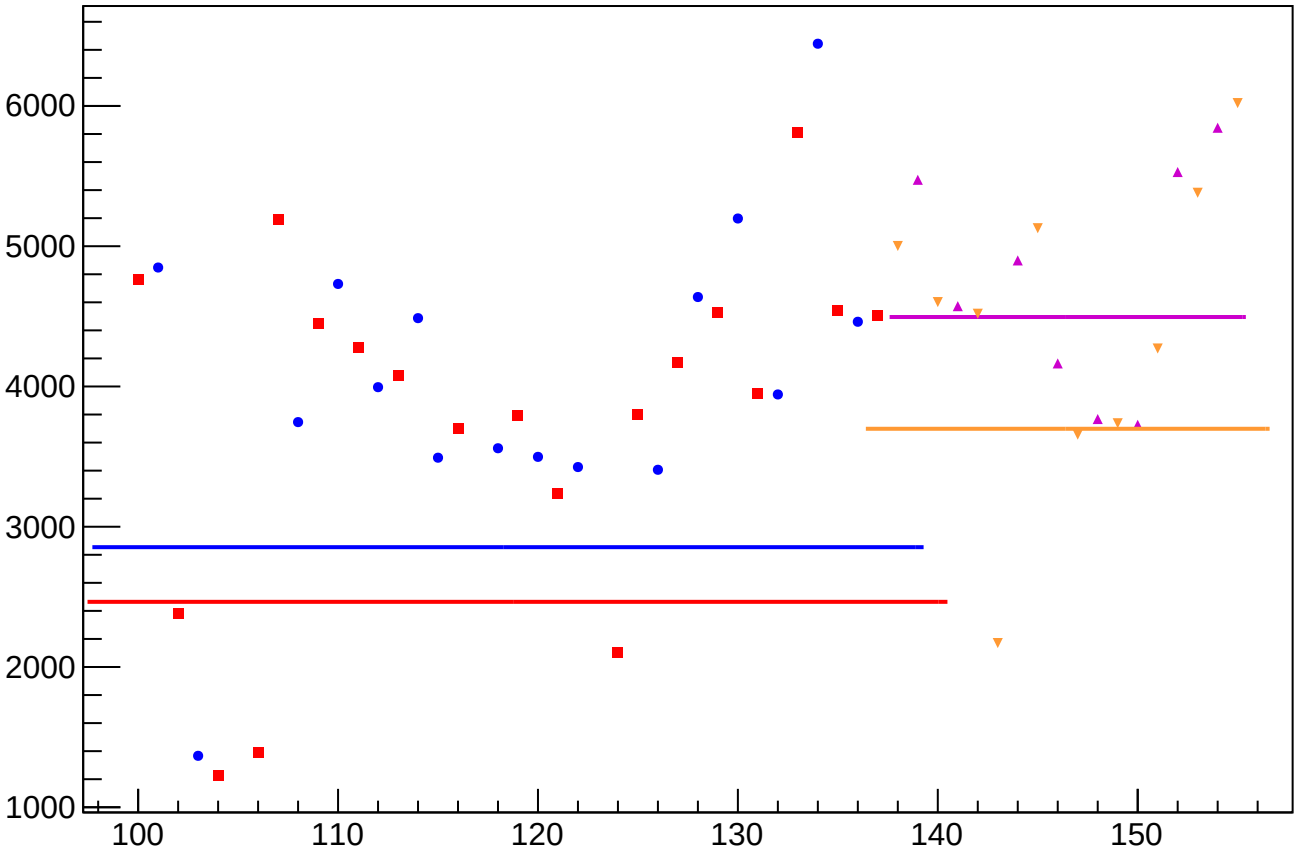
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -511.986+/-1724.647 χ^2/NDF:3.9/7

\+ sign 93.416+/-907.397 χ^2/NDF: 25.5/25

All: 159.396+/-639.080 χ^2/NDF: 47.3/52

\- sign 224.338+/-900.238 χ^2/NDF: 21.8/26



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3698.455+/-0.988 χ^2/NDF:1561217.3/9

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

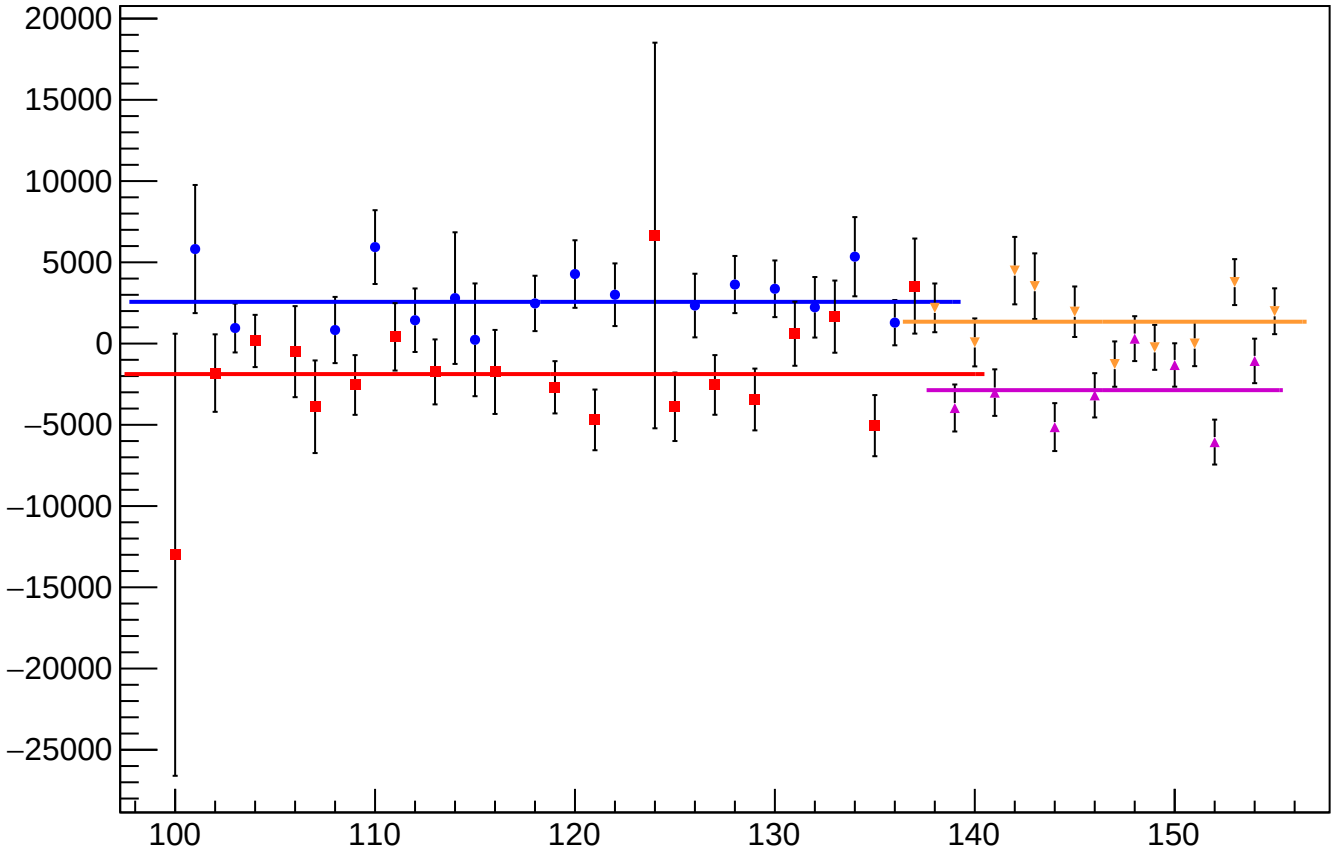
Left In: 4495.288+/-1.220 χ^2/NDF:370201.4/7

+ sign 3209.987+/-0.642 χ^2/NDF: 4888066.4/25

All: 3113.178+/-0.452 χ^2/NDF: 10676690.4/5

- sign 3017.890+/-0.637 χ^2/NDF: 5743452.0/26

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1345.039+/-479.363 χ^2/NDF:13.6/9

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

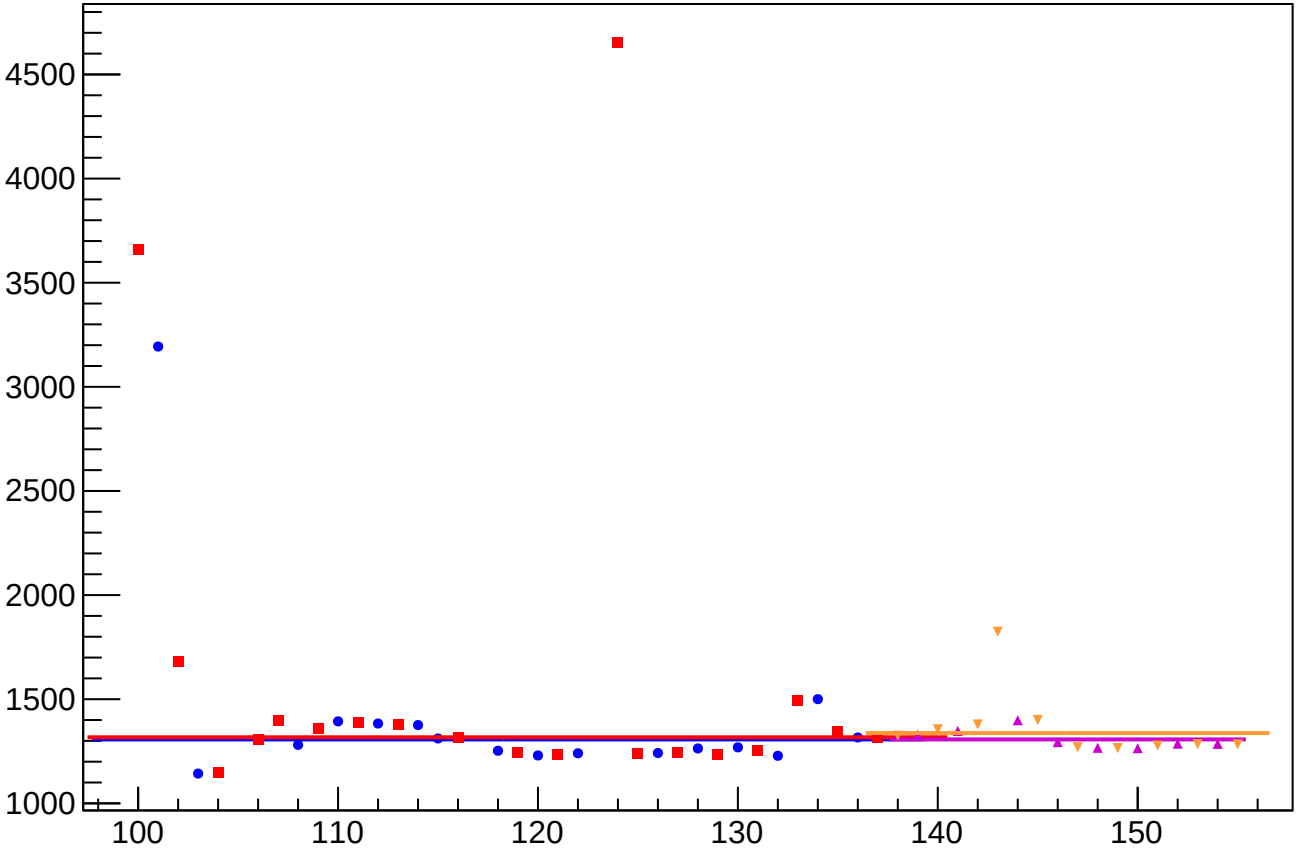
Left In: -2866.859+/-493.529 χ^2/NDF:16.7/7

+ sign 1936.053+/-344.479 χ^2/NDF: 25.8/25

All: -188.178+/-245.304 χ^2/NDF: 141.2/52

- sign -2373.507+/-349.398 χ^2/NDF: 38.3/26

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1337.513+/-0.339 χ^2/NDF:140375.3/9

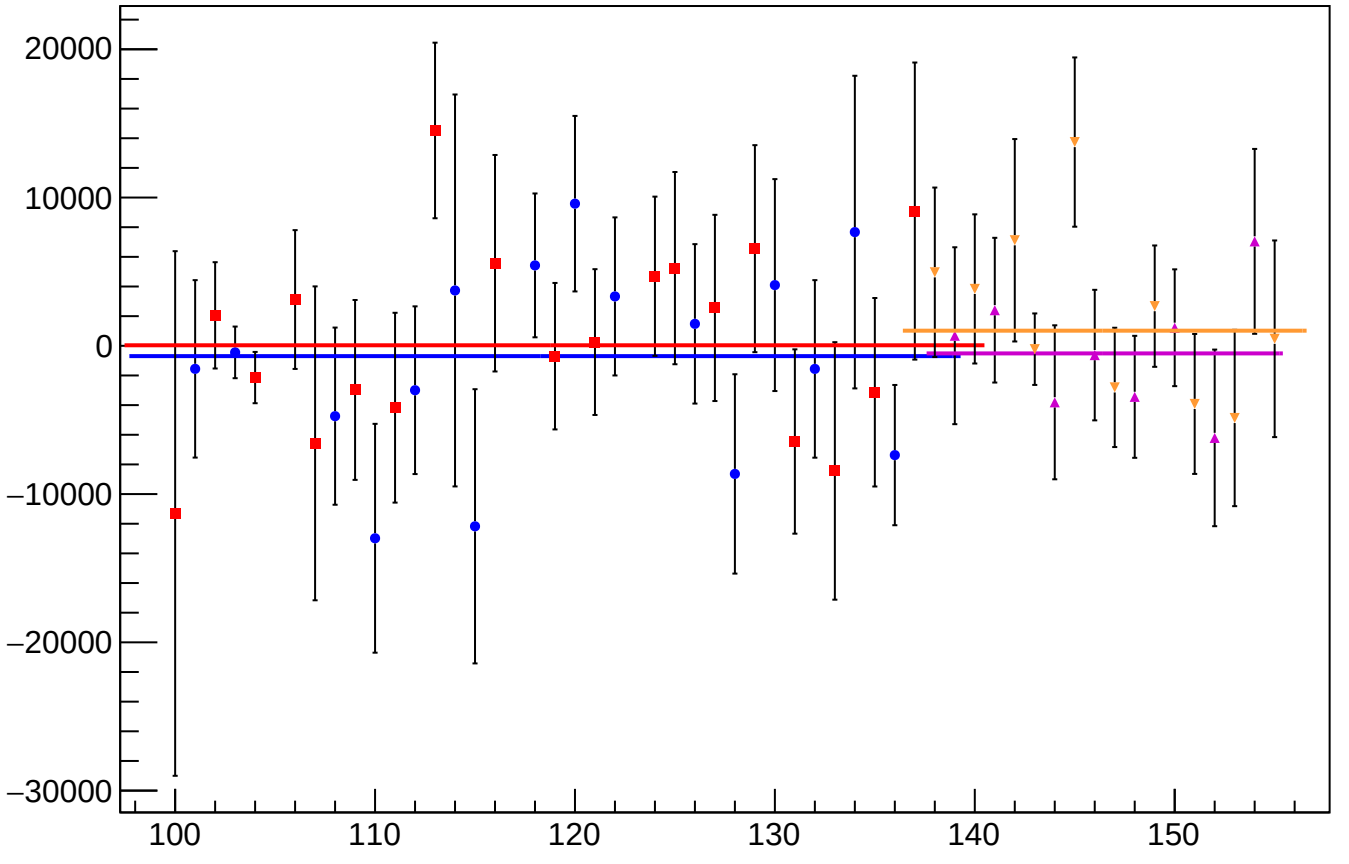
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1306.906+/-0.349 χ^2/NDF:14662.9/7

+ sign 1322.790+/-0.244 χ^2/NDF: 660527.2/25

All: 1317.474+/-0.173 χ^2/NDF: 1002511.2/52

- sign 1312.014+/-0.247 χ^2/NDF: 341018.4/26



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1020.641+/-1397.887 χ^2/NDF:10.0/9

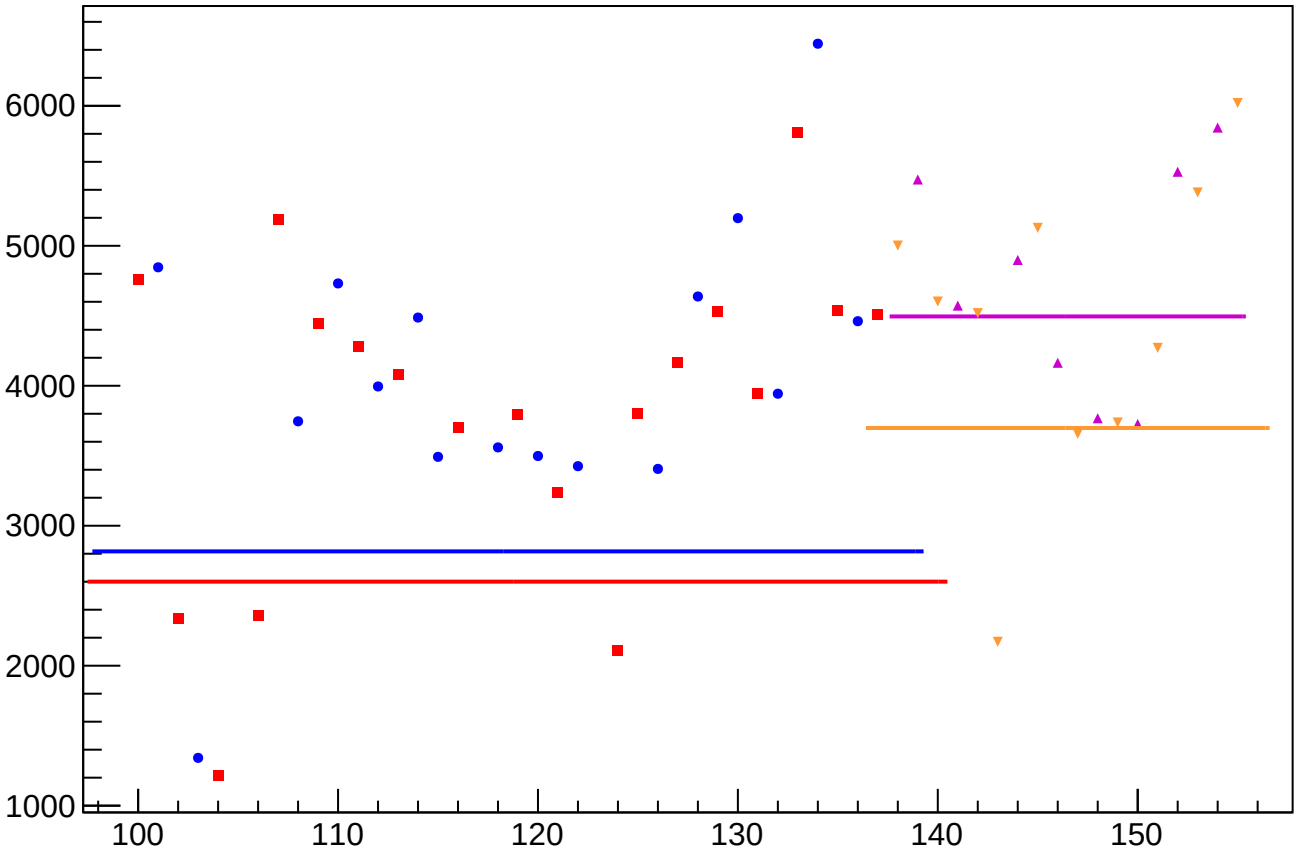
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -512.076+/-1724.647 χ^2/NDF:3.9/7

+ sign 20.412+/-902.779 χ^2/NDF: 25.5/25

All: -48.978+/-646.531 χ^2/NDF: 45.4/52

- sign -122.037+/-926.343 χ^2/NDF: 19.9/26



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3698.430+/-0.988 χ^2/NDF:1561266.5/9

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

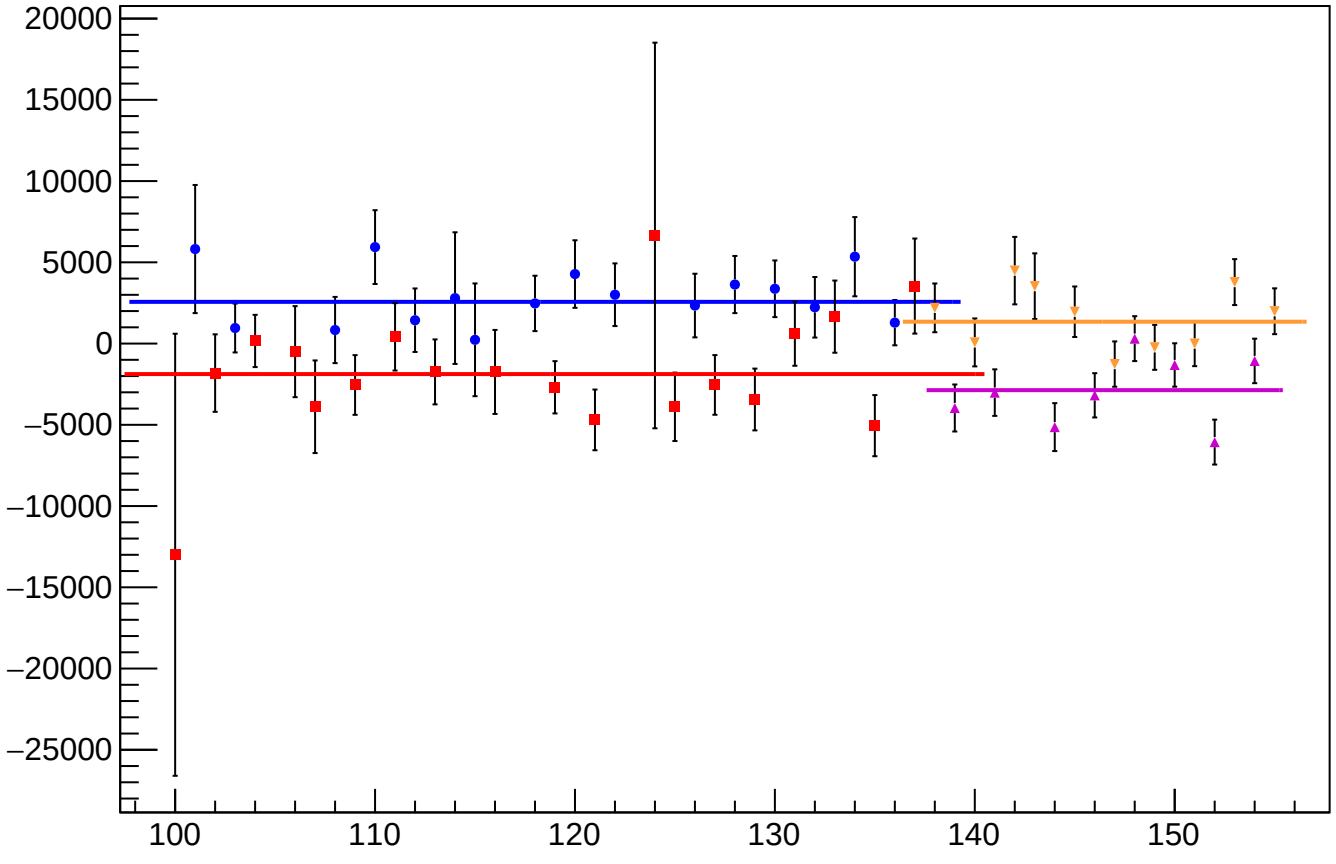
Left In: 4495.287+/-1.220 χ^2/NDF:370203.1/7

+ sign 3184.500+/-0.638 χ^2/NDF: 5032586.4/25

All: 3166.311+/-0.457 χ^2/NDF: 10202799.5/5

- sign 3147.160+/-0.655 χ^2/NDF: 5168546.5/26

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: 1345.039+/-479.363 χ^2/NDF:13.6/9

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

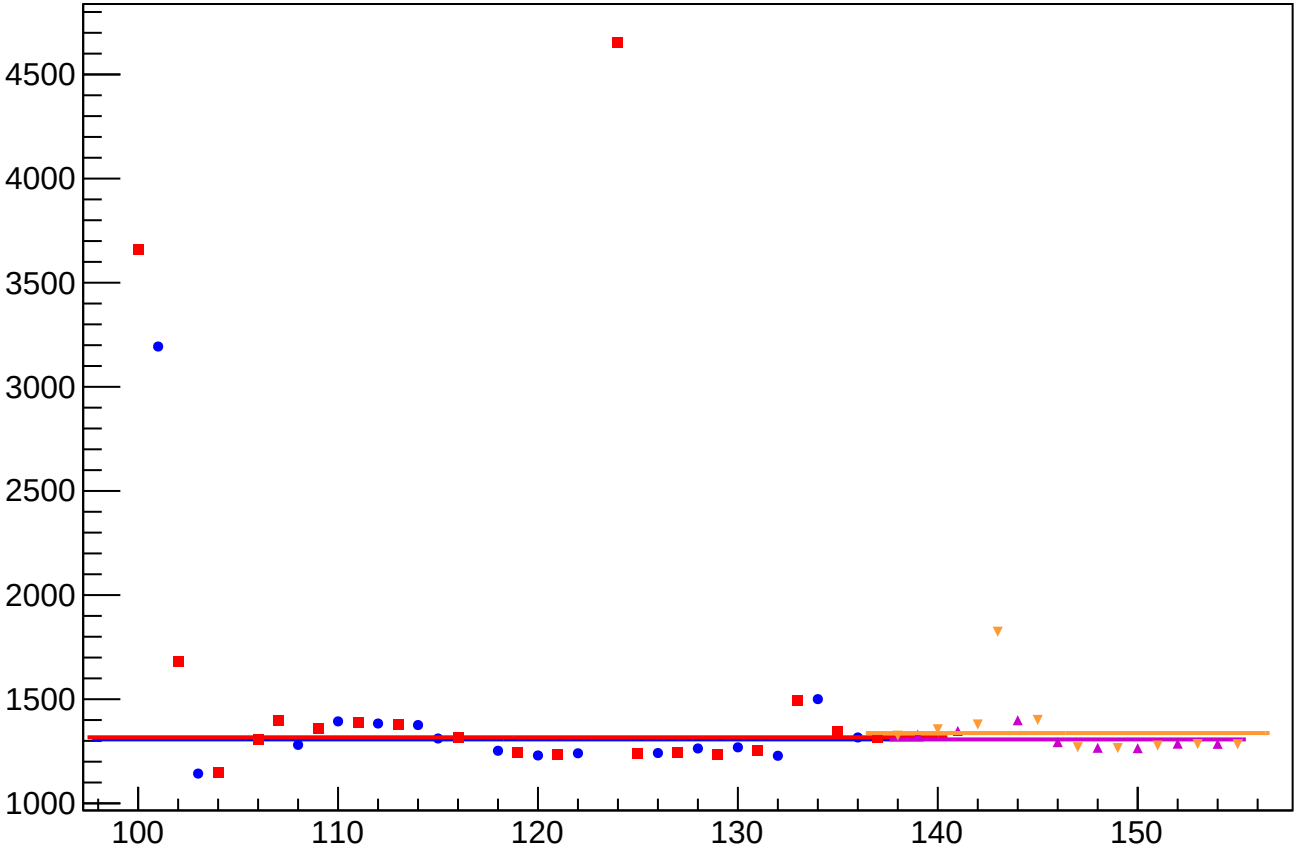
Left In: -2866.859+/-493.529 χ^2/NDF:16.7/7

+ sign 1936.053+/-344.479 χ^2/NDF: 25.8/25

All: -188.178+/-245.304 χ^2/NDF: 141.2/52

- sign -2373.507+/-349.398 χ^2/NDF: 38.3/26

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: 1337.513+/-0.339 χ^2/NDF:140375.3/9

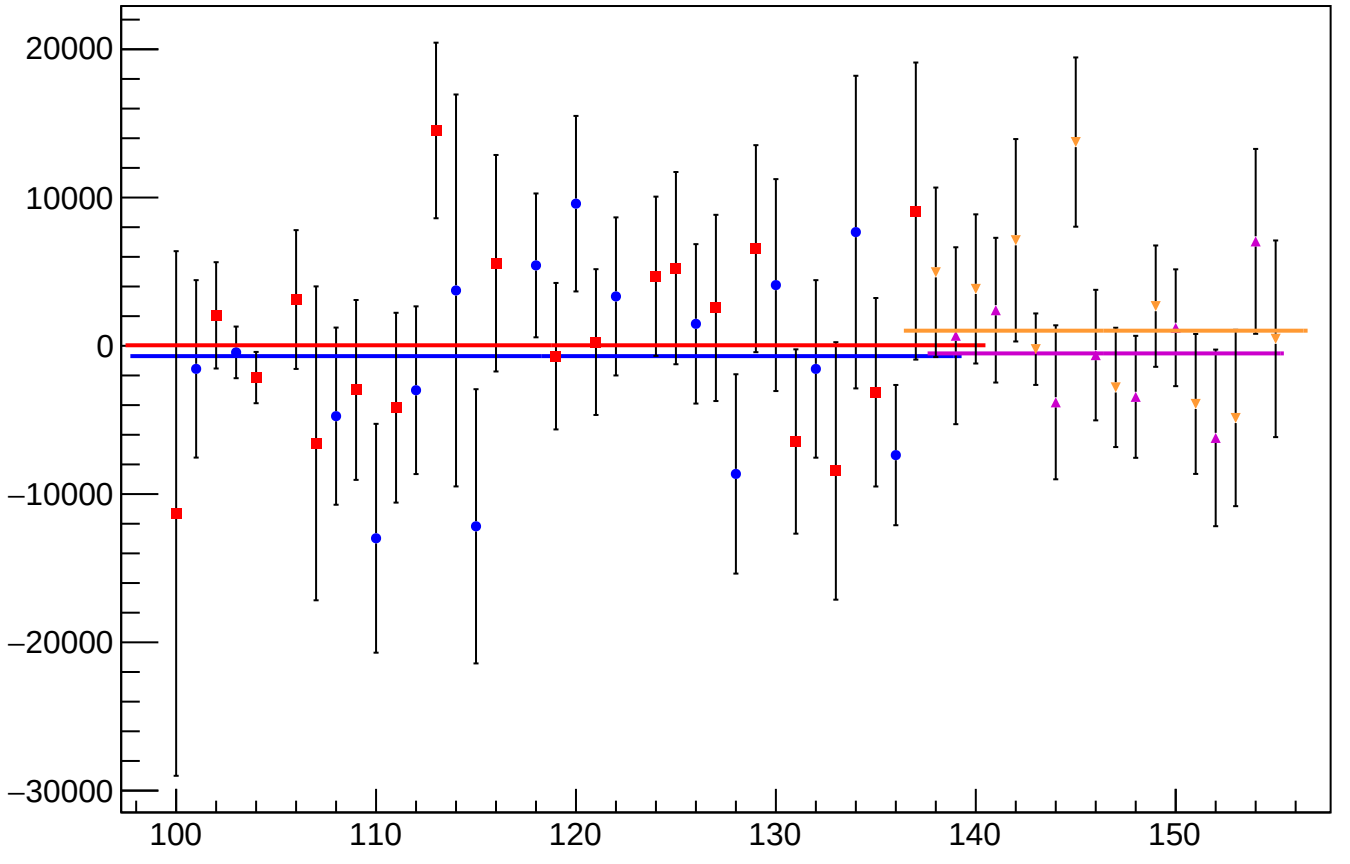
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1306.906+/-0.349 χ^2/NDF:14662.9/7

+ sign 1322.790+/-0.244 χ^2/NDF: 660527.2/25

All: 1317.474+/-0.173 χ^2/NDF: 1002511.2/52

- sign 1312.014+/-0.247 χ^2/NDF: 341018.4/26



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1020.641+/-1397.887 χ^2/NDF:10.0/9

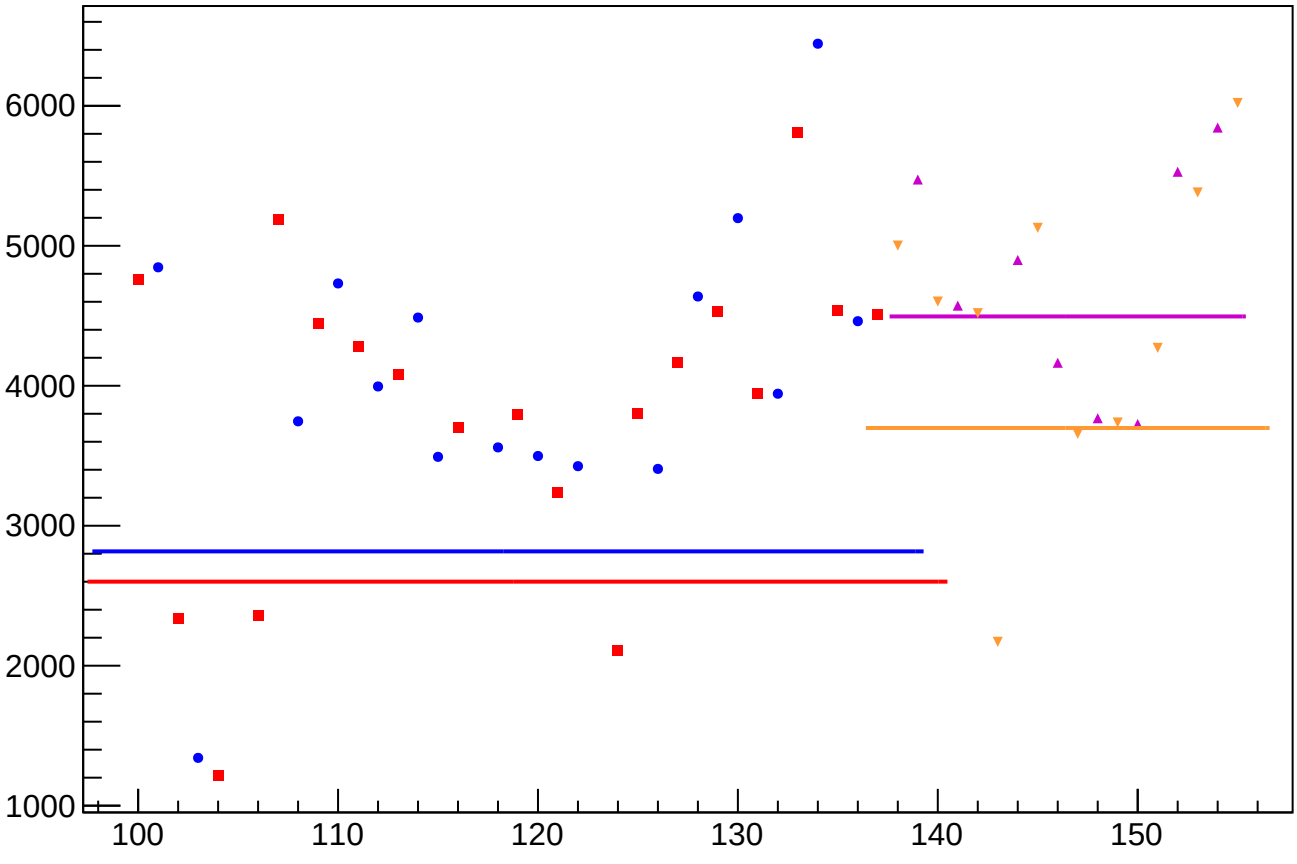
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -512.076+/-1724.647 χ^2/NDF:3.9/7

+ sign 20.412+/-902.779 χ^2/NDF: 25.5/25

All: -48.978+/-646.531 χ^2/NDF: 45.4/52

- sign -122.037+/-926.343 χ^2/NDF: 19.9/26



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3698.430+/-0.988 χ^2/NDF:1561266.5/9

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

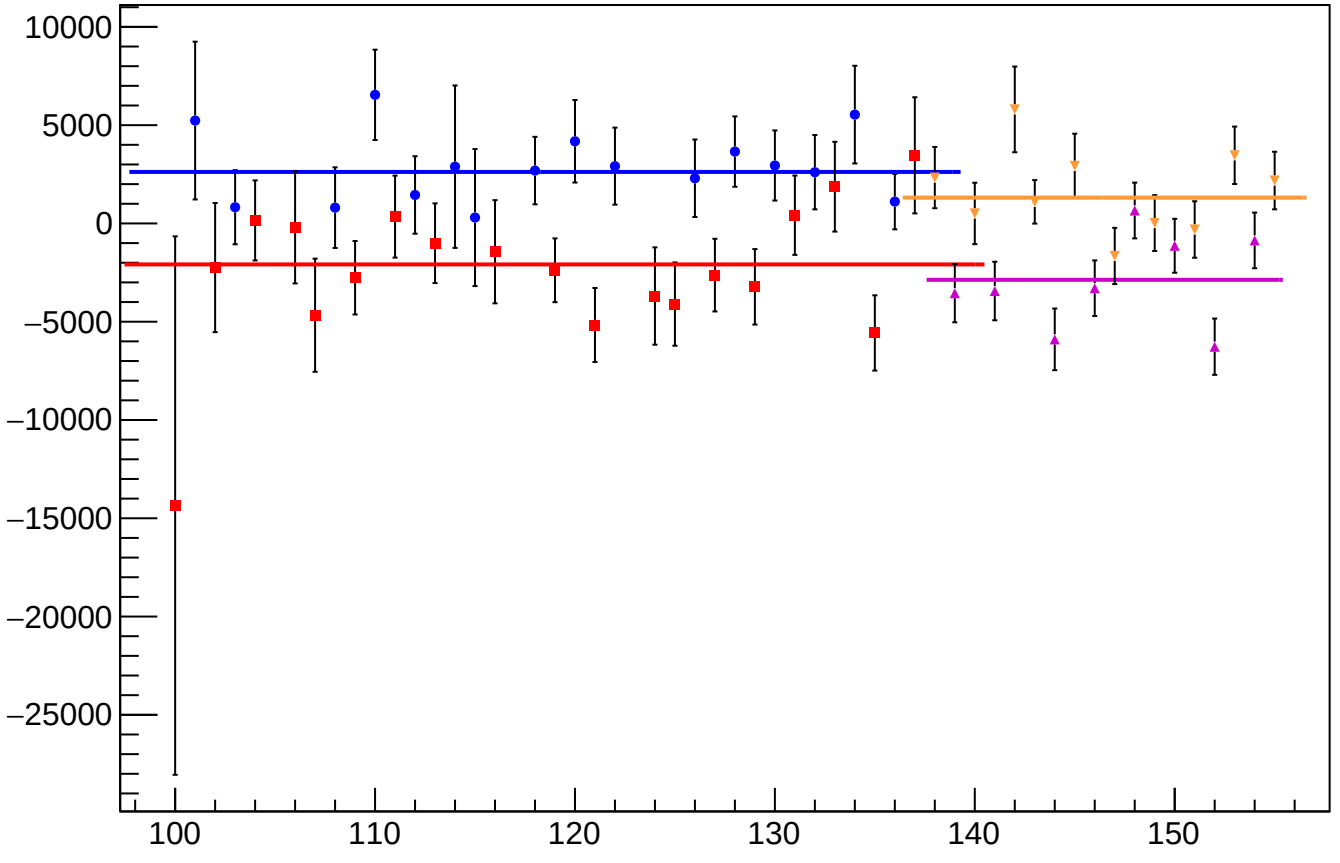
Left In: 4495.287+/-1.220 χ^2/NDF:370203.1/7

+ sign 3184.500+/-0.638 χ^2/NDF: 5032586.4/25

All: 3166.311+/-0.457 χ^2/NDF: 10202799.5/5

- sign 3147.160+/-0.655 χ^2/NDF: 5168546.5/26

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1313.545+/-465.045 χ^2/NDF:14.9/9

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

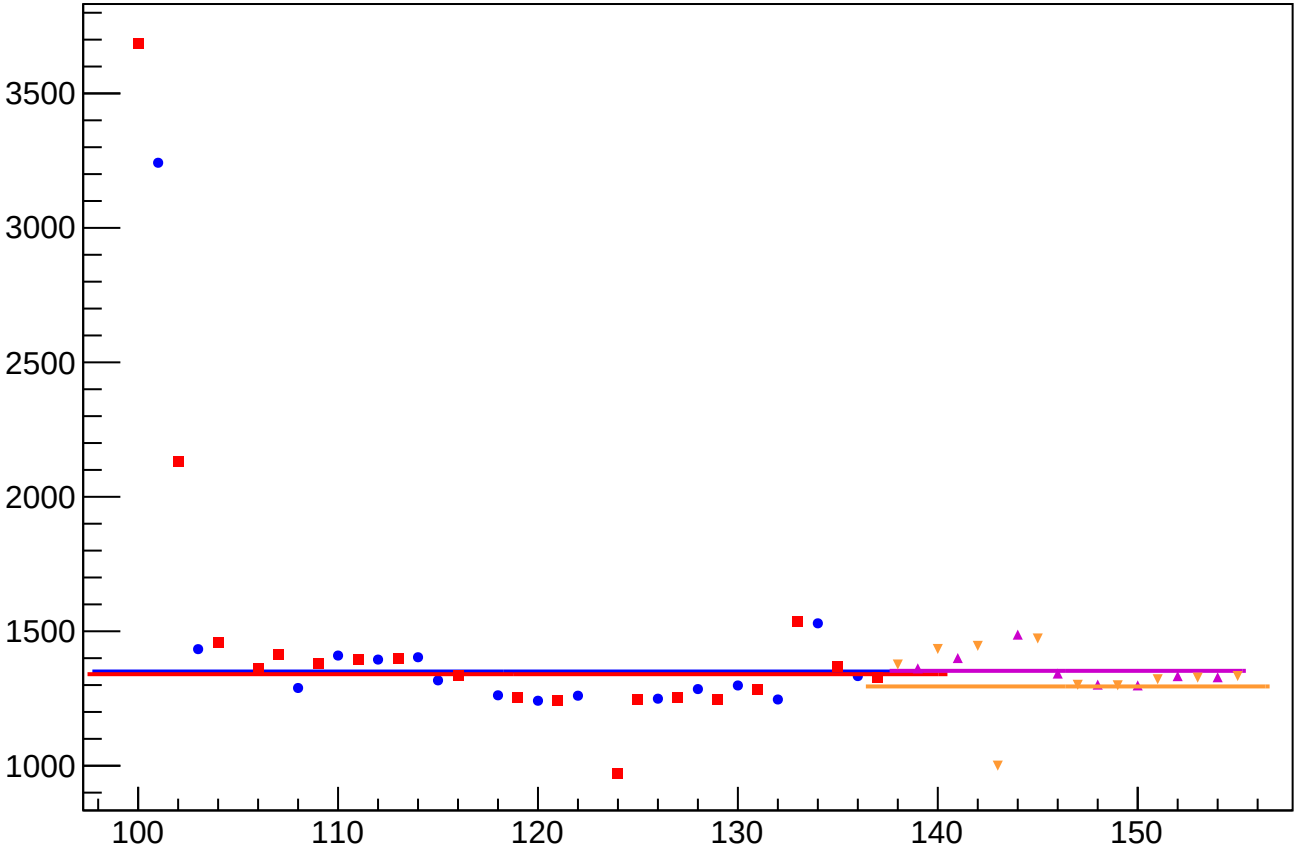
Left In: -2867.702+/-511.119 χ^2/NDF:19.6/7

+ sign 1904.994+/-344.094 χ^2/NDF: 27.8/25

All: -189.537+/-248.475 χ^2/NDF: 146.9/52

- sign -2471.847+/-359.187 χ^2/NDF: 41.7/26

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1294.863+/-0.329 χ^2/NDF:199409.0/9

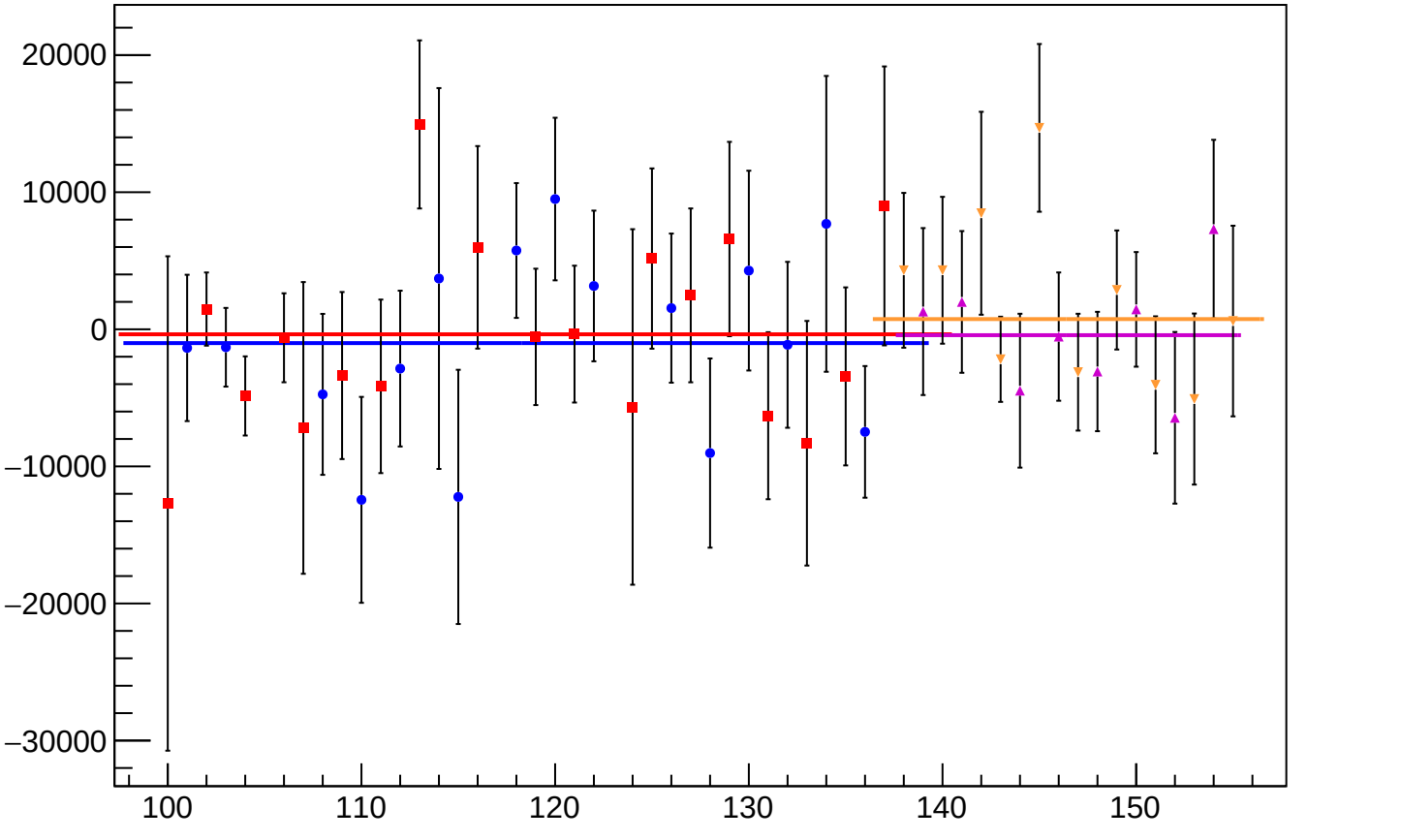
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1352.885+/-0.361 χ^2/NDF:23637.0/7

+ sign 1319.981+/-0.243 χ^2/NDF: 706353.4/25

All: 1332.712+/-0.176 χ^2/NDF: 1008495.2/52

- sign 1346.577+/-0.254 χ^2/NDF: 296422.2/26



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 745.162+/-1563.063 χ^2/NDF:10.9/9

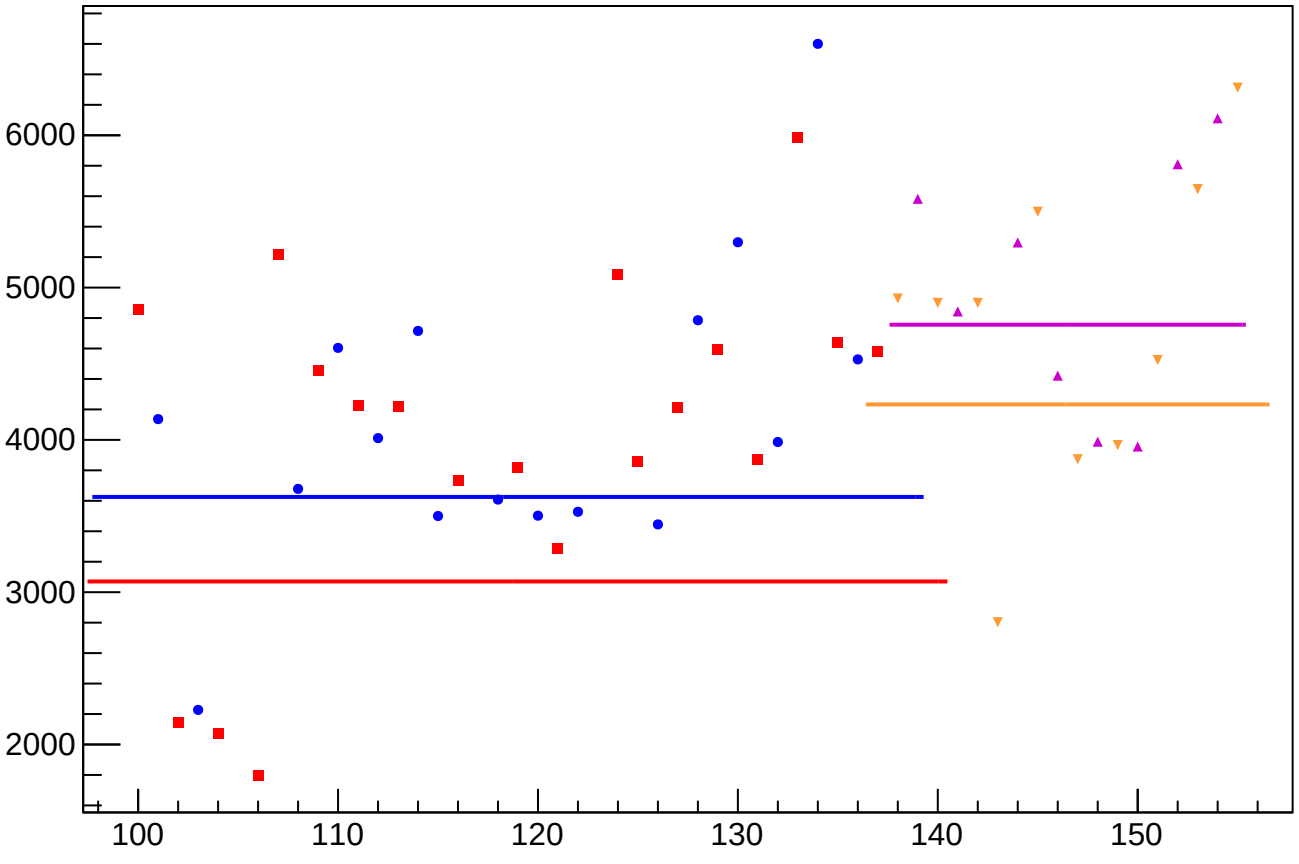
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -429.299+/-1823.221 χ^2/NDF:3.7/7

\+ sign -224.163+/-1044.689 χ^2/NDF: 26.2/25

All: -307.340+/-723.827 χ^2/NDF: 46.1/52

\- sign -384.138+/-1003.826 χ^2/NDF: 19.9/26



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4232.776+/-1.105 χ^2/NDF:897105.8/9

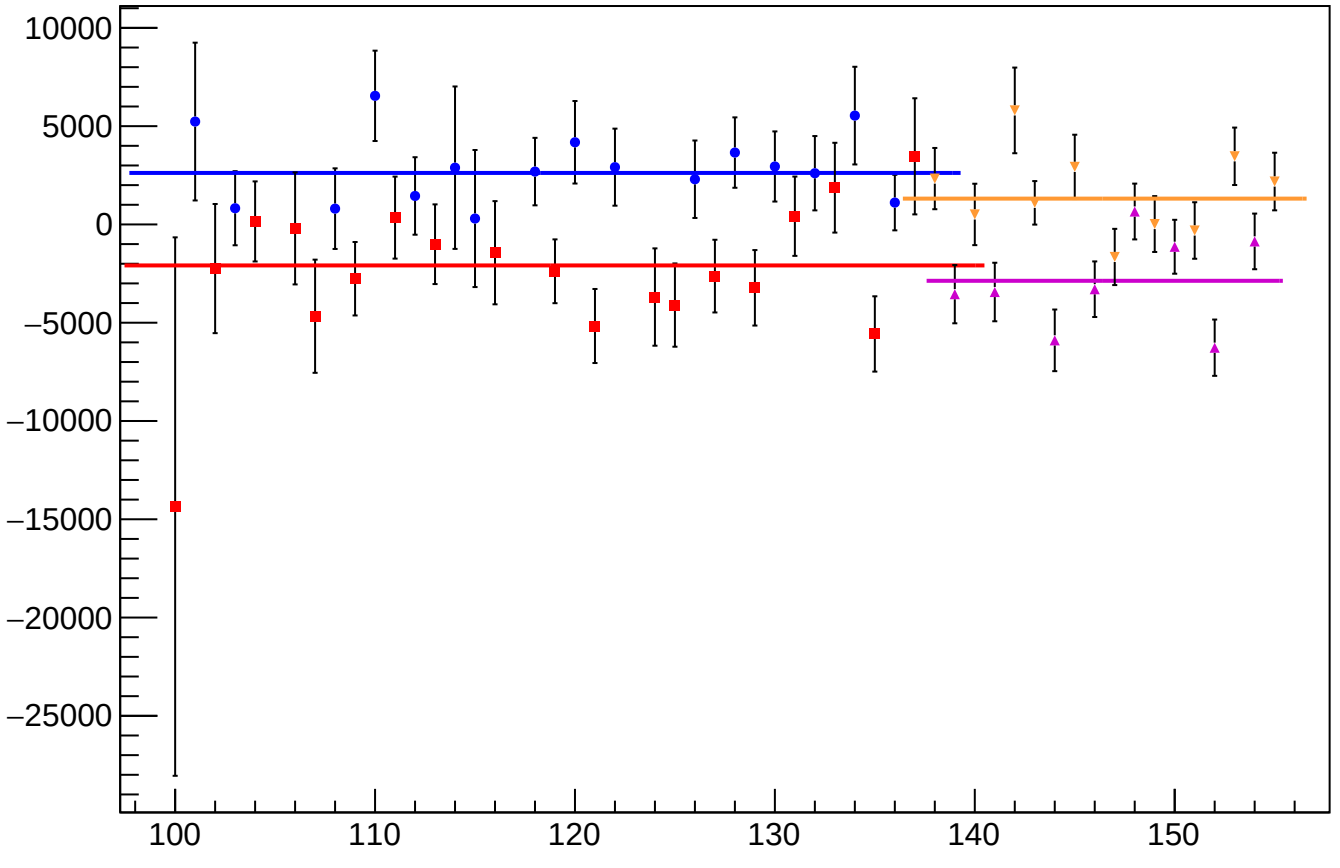
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4756.197+/-1.289 χ^2/NDF:344715.3/7

+ sign 3896.780+/-0.739 χ^2/NDF: 2009039.1/25

All: 3732.830+/-0.512 χ^2/NDF: 5478634.7/52

- sign 3581.456+/-0.710 χ^2/NDF: 3374857.7/26



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1313.544+/-465.046 χ^2/NDF:14.9/9

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

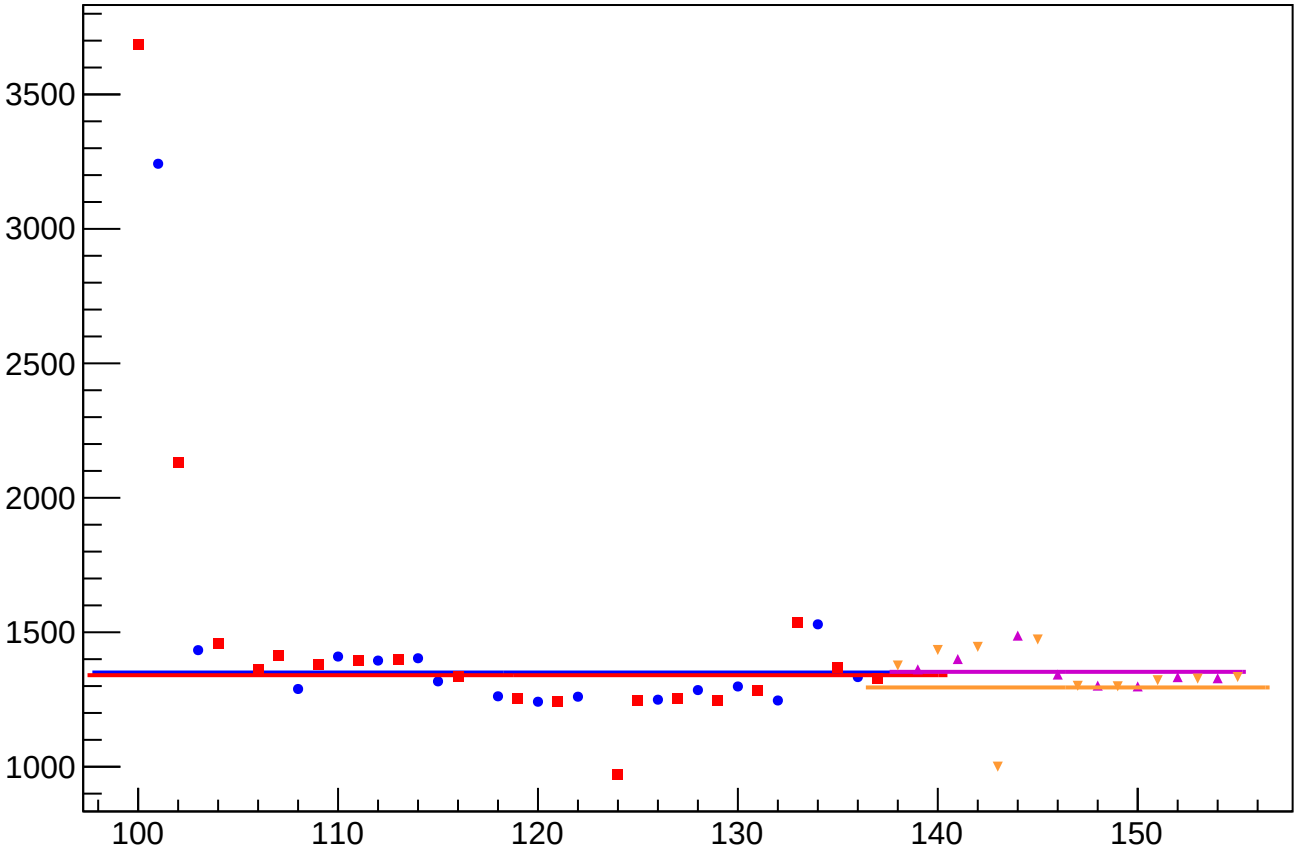
Left In: -2867.700+/-511.119 χ^2/NDF:19.6/7

+ sign 1904.994+/-344.094 χ^2/NDF: 27.8/25

All: -189.537+/-248.476 χ^2/NDF: 146.9/52

- sign -2471.846+/-359.187 χ^2/NDF: 41.7/26

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: 1294.864+/-0.329 χ^2/NDF:199409.3/9

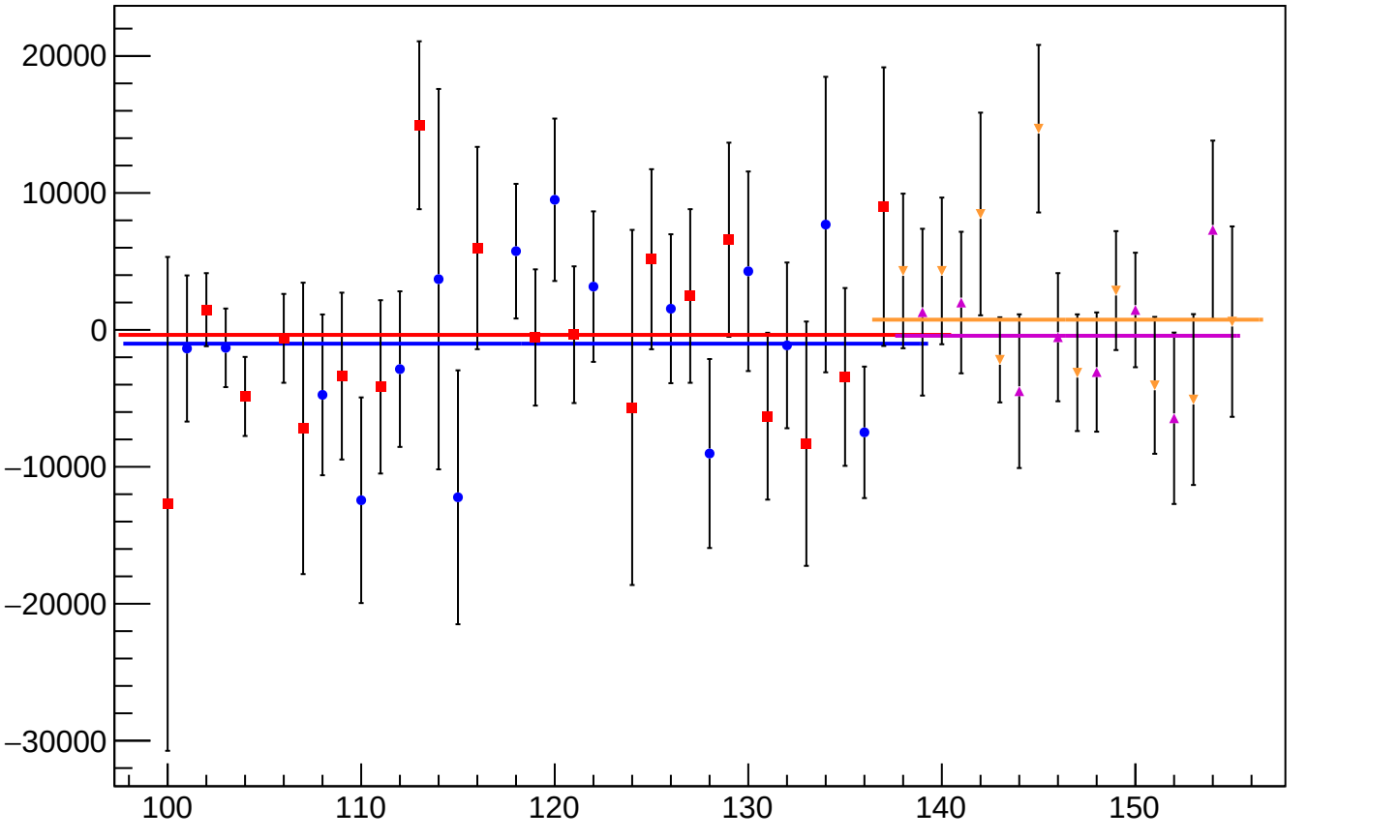
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1352.886+/-0.361 χ^2/NDF:23637.3/7

+ sign 1319.981+/-0.243 χ^2/NDF: 706353.1/25

All: 1332.713+/-0.176 χ^2/NDF: 1008494.2/52

- sign 1346.577+/-0.254 χ^2/NDF: 296421.6/26



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 745.158+/-1563.065 χ^2/NDF:10.9/9

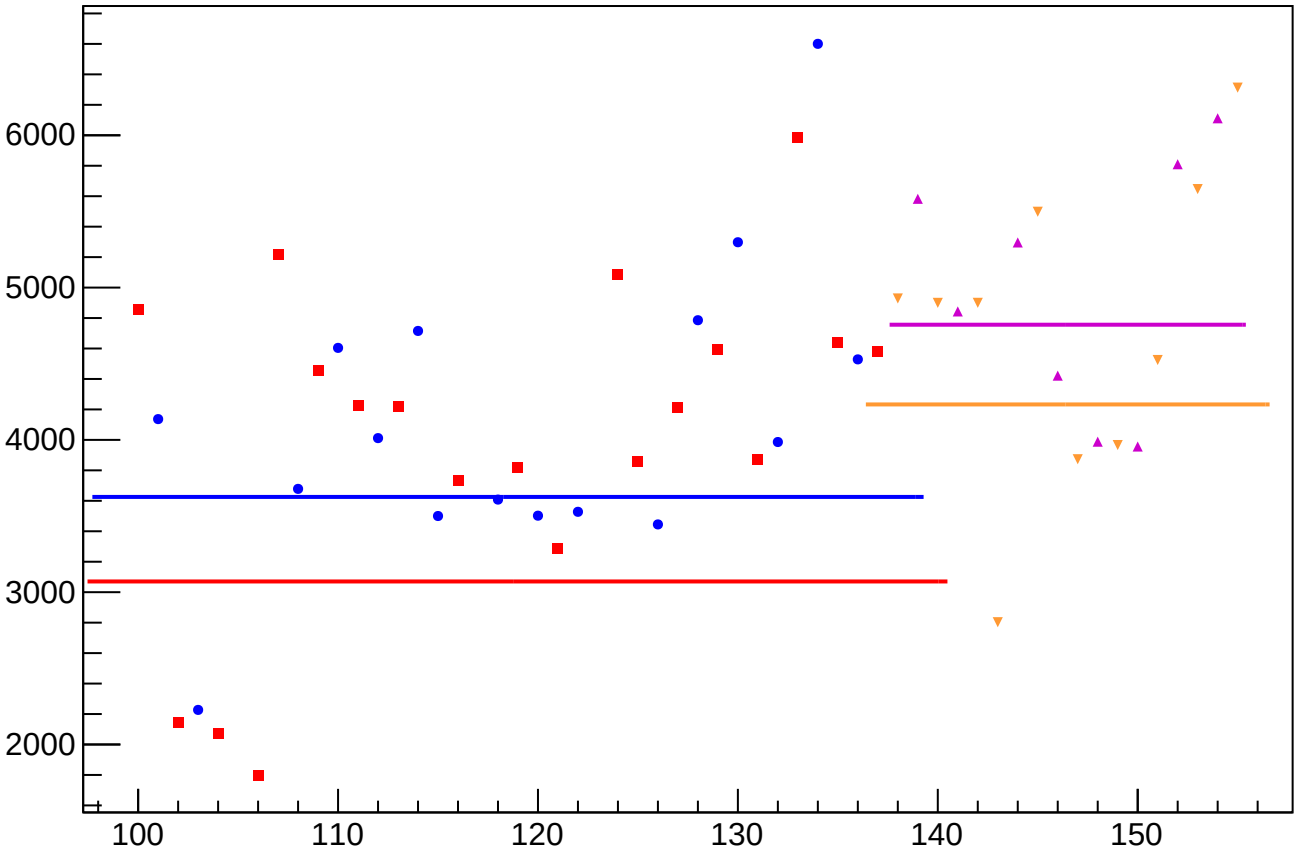
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -429.296+/-1823.224 χ^2/NDF:3.7/7

+ sign -224.162+/-1044.688 χ^2/NDF: 26.2/25

All: -307.340+/-723.826 χ^2/NDF: 46.1/52

- sign -384.138+/-1003.824 χ^2/NDF: 19.9/26



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4232.782+/-1.105 χ^2/NDF:897105.3/9

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

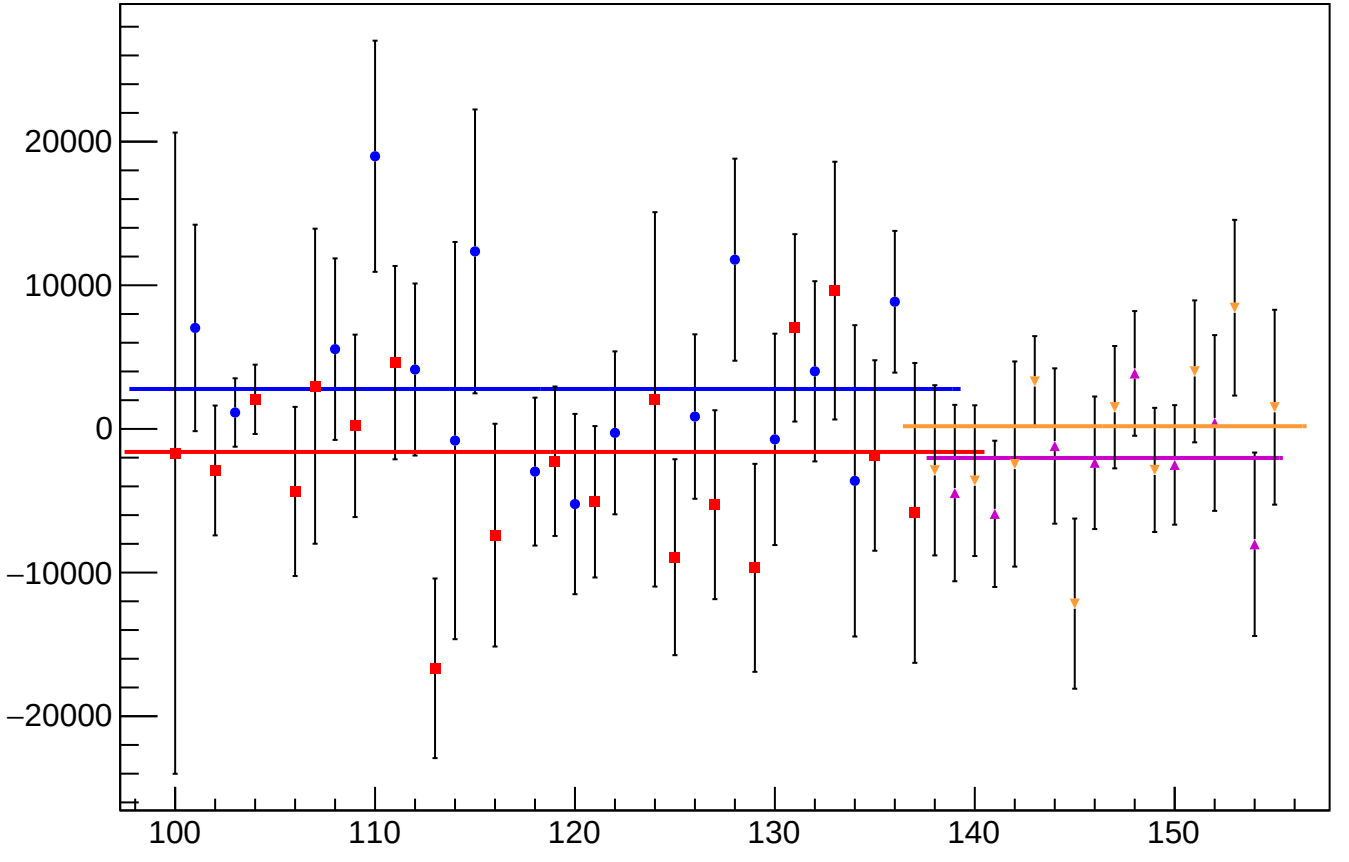
Left In: 4756.203+/-1.289 χ^2/NDF:344715.8/7

+ sign 3896.777+/-0.739 χ^2/NDF: 2009049.2/25

All: 3732.825+/-0.512 χ^2/NDF: 5478670.9/52

- sign 3581.449+/-0.710 χ^2/NDF: 3374881.5/26

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 188.557+/-1558.995 χ^2/NDF:9.3/9

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

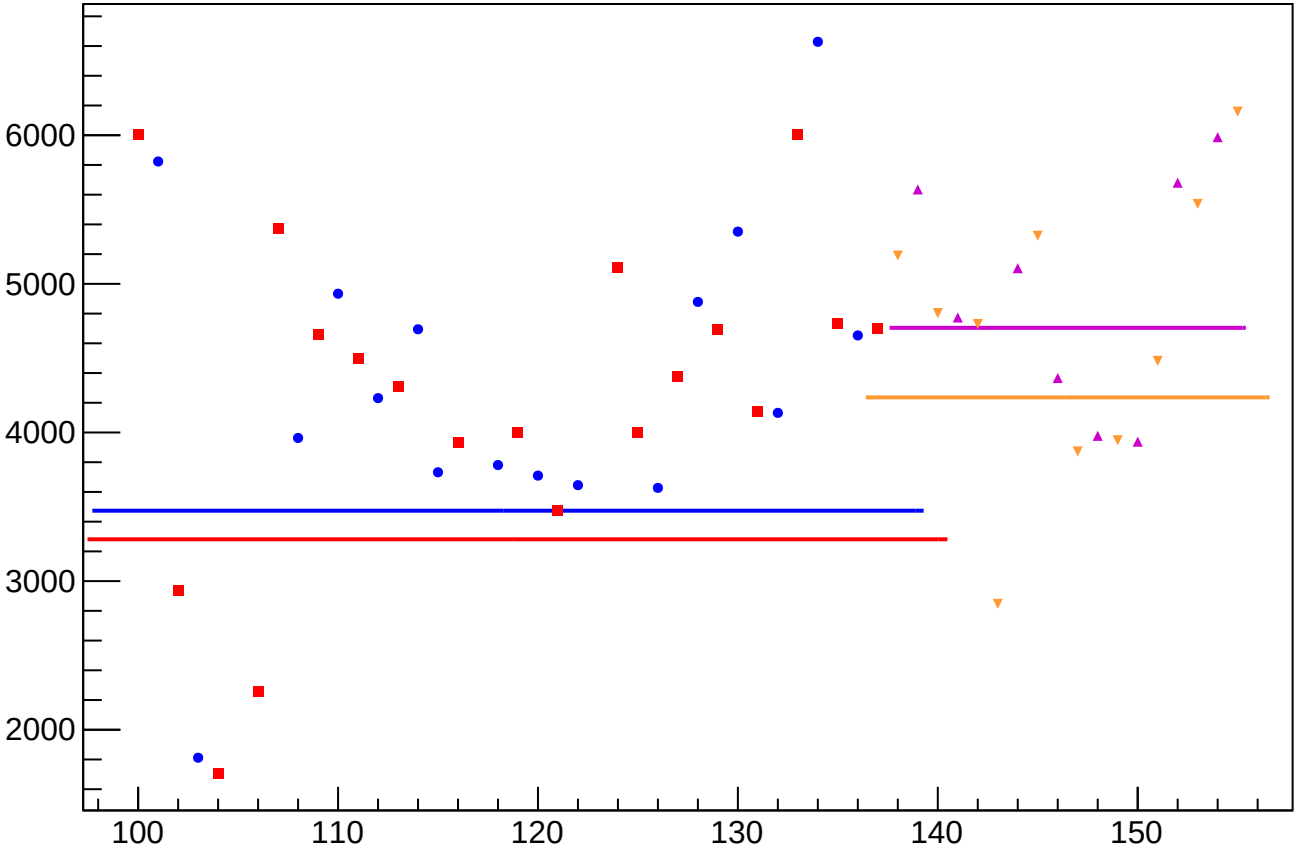
Left In: -2021.742+/-1800.964 χ^2/NDF:3.7/7

+ sign 1633.303+/-1037.268 χ^2/NDF: 24.0/25

All: -0.999+/-745.947 χ^2/NDF: 49.7/52

- sign -1751.544+/-1073.523 χ^2/NDF: 20.5/26

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4236.232+/-1.102 χ^2/NDF:819739.1/9

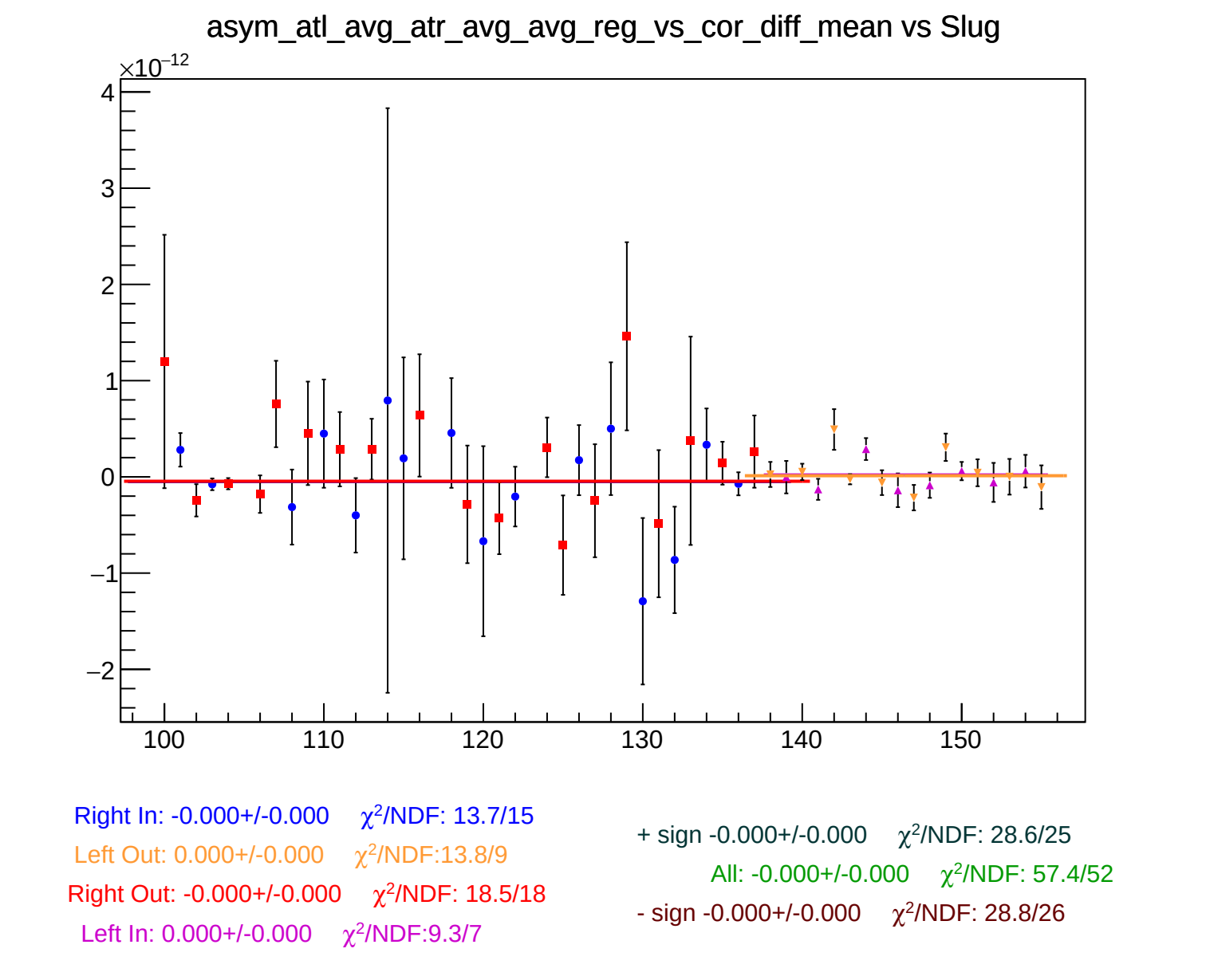
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

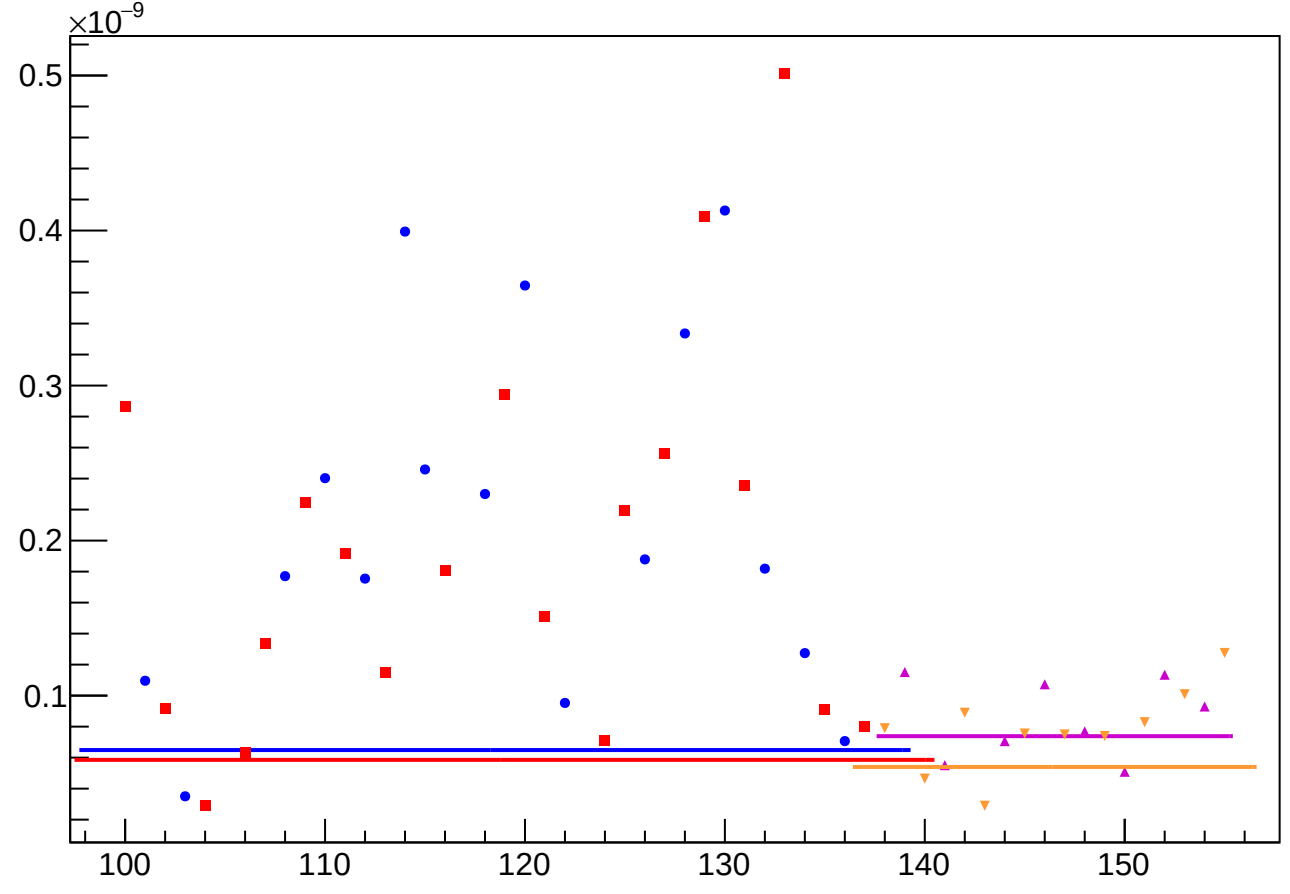
Left In: 4704.223+/-1.273 χ^2/NDF:323519.1/7

+ sign 3811.367+/-0.733 χ^2/NDF: 2930227.4/25

All: 3795.140+/-0.525 χ^2/NDF: 5942760.4/52

- sign 3778.066+/-0.752 χ^2/NDF: 3011528.5/26


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
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:13.8/9
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:9.3/7
+ sign -0.000+/-0.000 χ²/NDF: 28.6/25
All: -0.000+/-0.000 χ²/NDF: 57.4/52
- sign -0.000+/-0.000 χ²/NDF: 28.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1161344.7/9

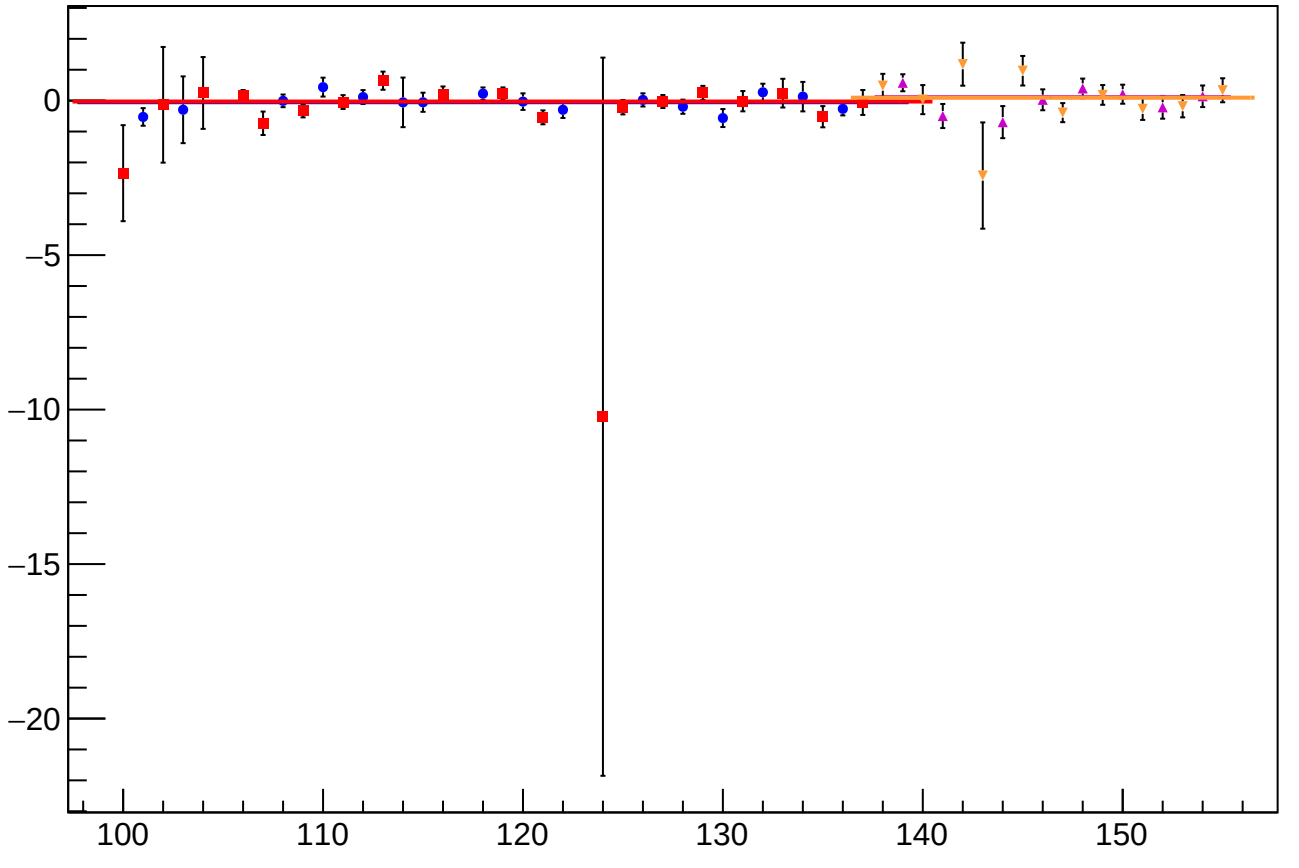
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:472678.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 3821325.9/25

All: 0.000+/-0.000 χ^2/NDF: 7333249.2/52

- sign 0.000+/-0.000 χ^2/NDF: 3432565.4/26



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.096+/-0.129 χ^2/NDF:13.5/9

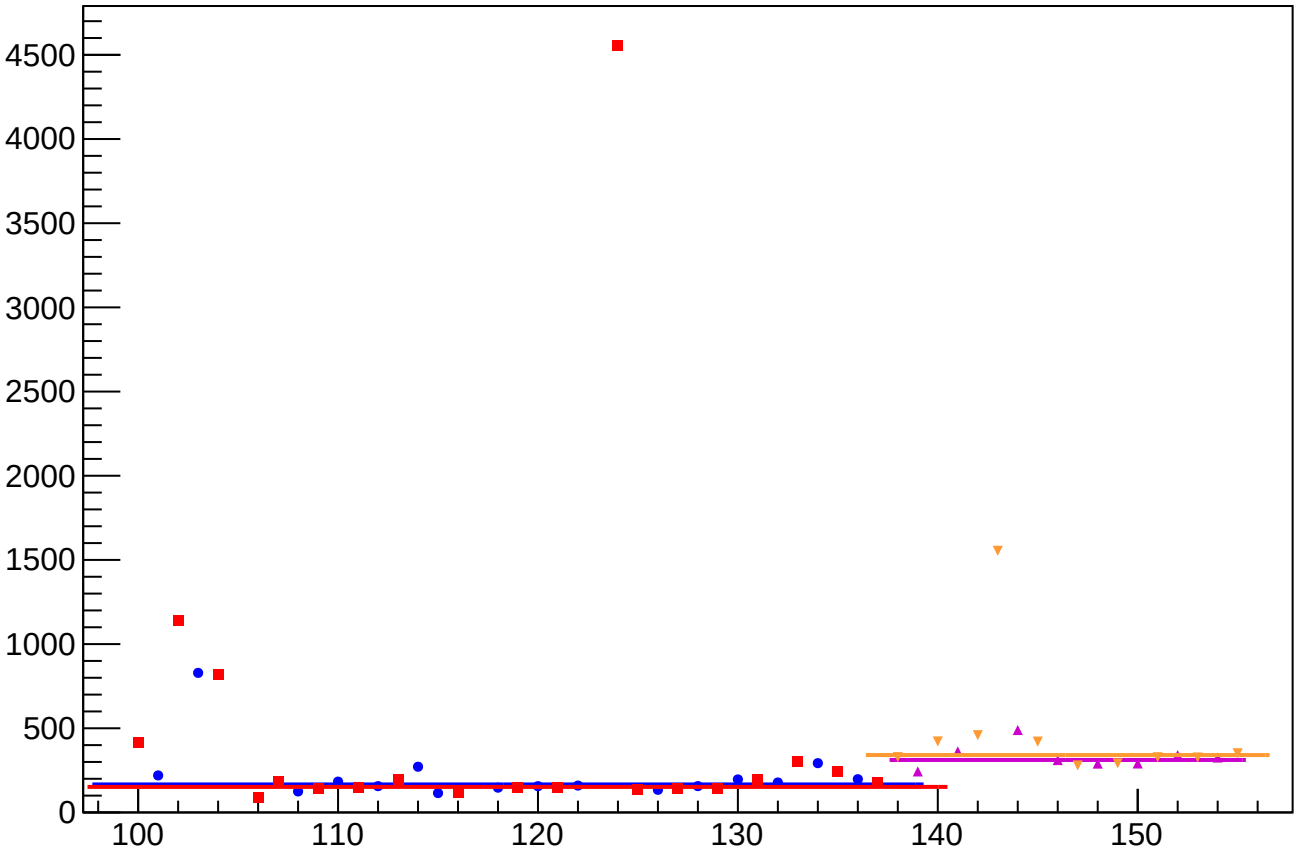
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.112+/-0.121 χ^2/NDF:9.5/7

+ sign -0.020+/-0.059 χ^2/NDF: 29.4/25

All: -0.009+/-0.041 χ^2/NDF: 67.6/52

- sign 0.002+/-0.057 χ^2/NDF: 38.1/26



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 341.016+/-0.091 χ^2/NDF:1303674.2/9

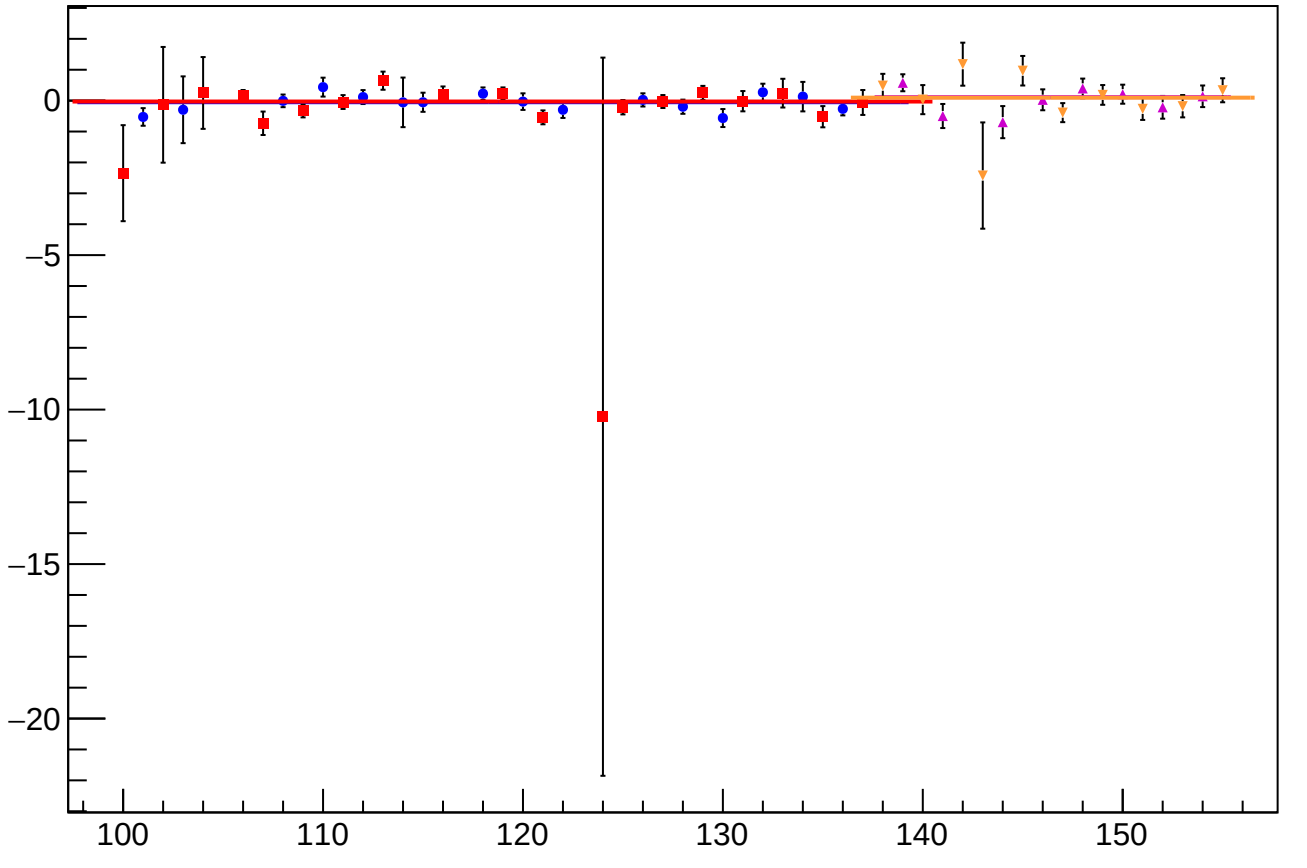
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 311.748+/-0.086 χ^2/NDF:425104.3/7

+ sign 203.421+/-0.042 χ^2/NDF: 5493882.8/25

All: 194.695+/-0.029 χ^2/NDF: 11044312.8/52

- sign 186.726+/-0.040 χ^2/NDF: 5467368.1/26



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.096+/-0.129 χ^2/NDF:13.5/9

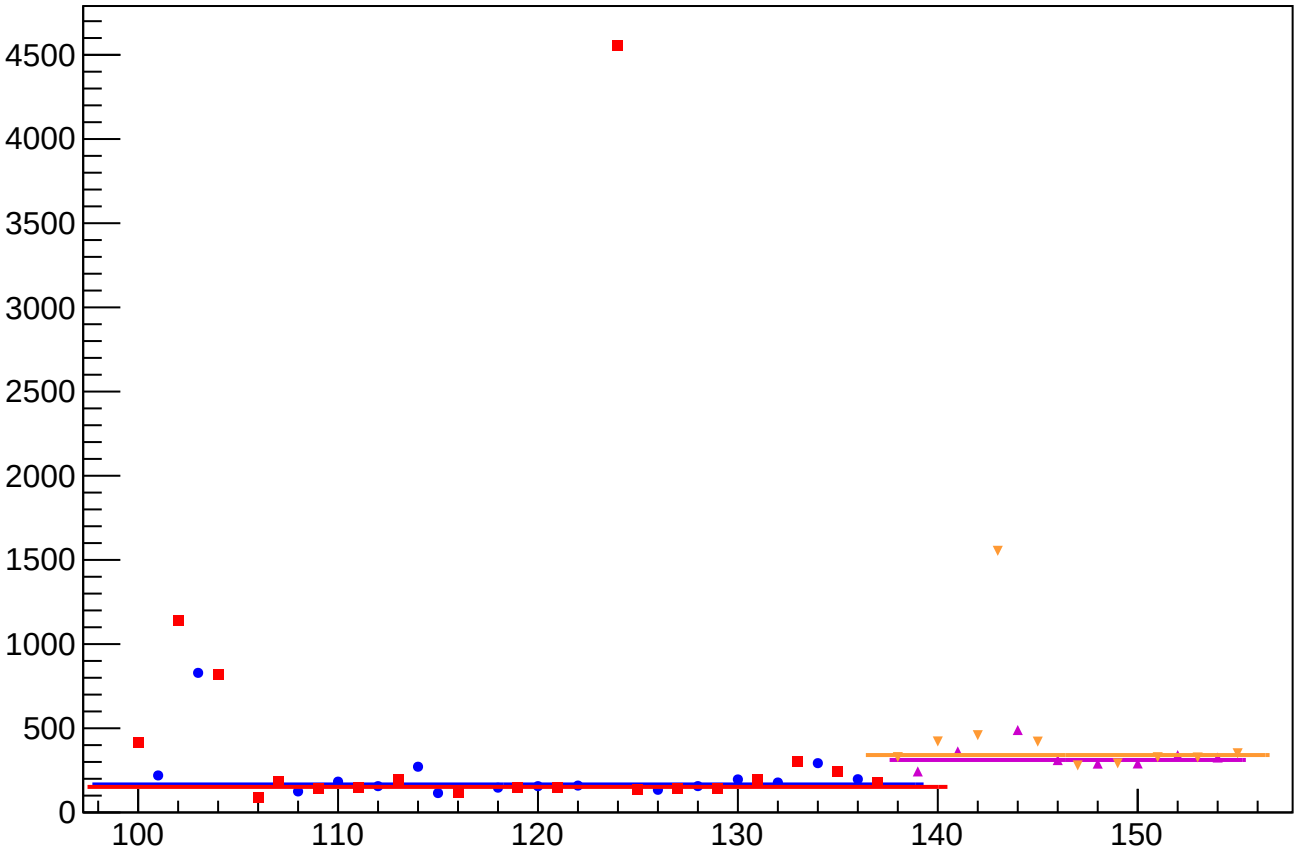
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.112+/-0.121 χ^2/NDF:9.5/7

+ sign -0.020+/-0.059 χ^2/NDF: 29.4/25

All: -0.009+/-0.041 χ^2/NDF: 67.6/52

- sign 0.002+/-0.057 χ^2/NDF: 38.1/26



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 341.016+/-0.091 χ^2/NDF:1303674.2/9

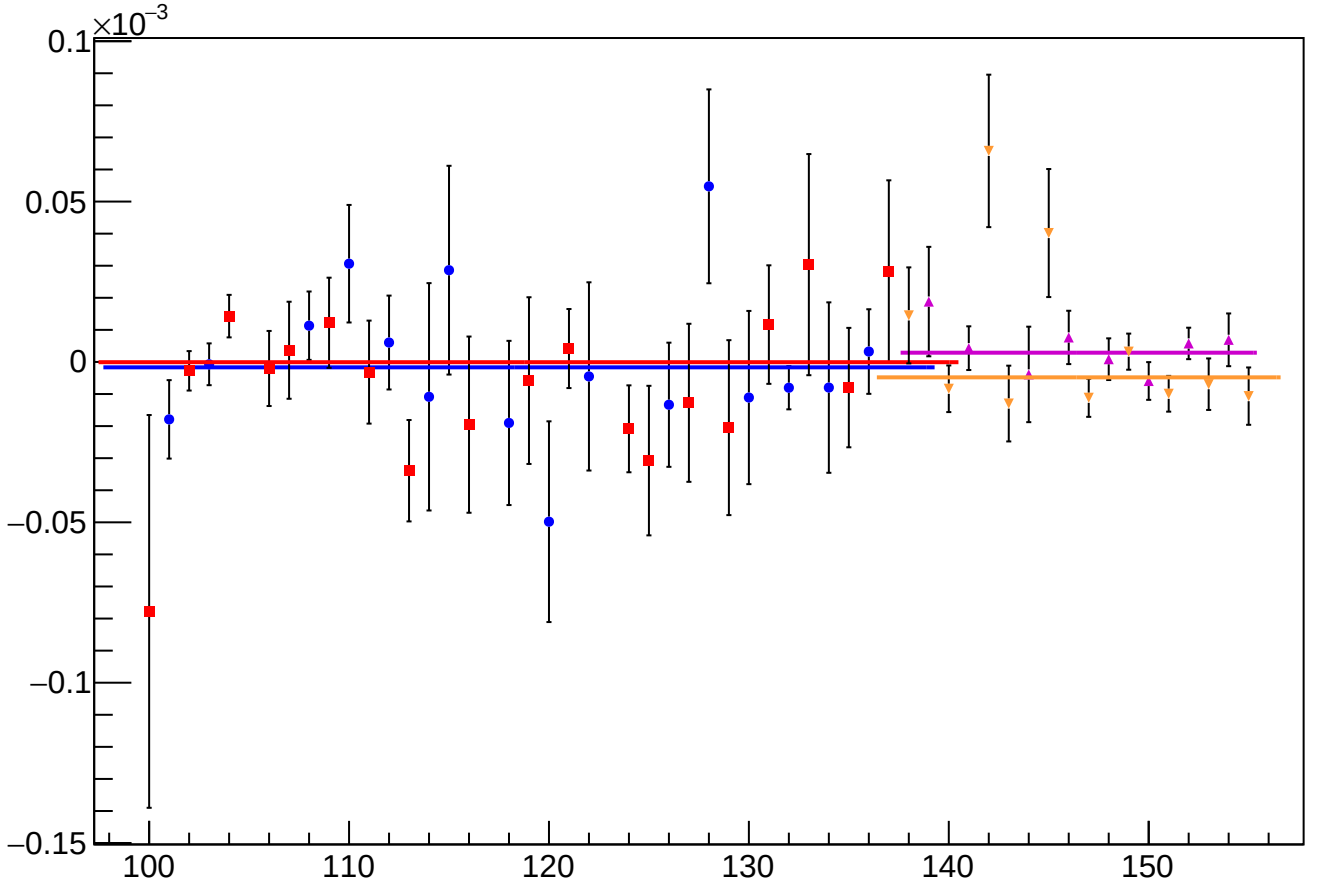
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 311.748+/-0.086 χ^2/NDF:425104.3/7

+ sign 203.421+/-0.042 χ^2/NDF: 5493882.8/25

All: 194.695+/-0.029 χ^2/NDF: 11044312.8/52

- sign 186.726+/-0.040 χ^2/NDF: 5467368.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/9

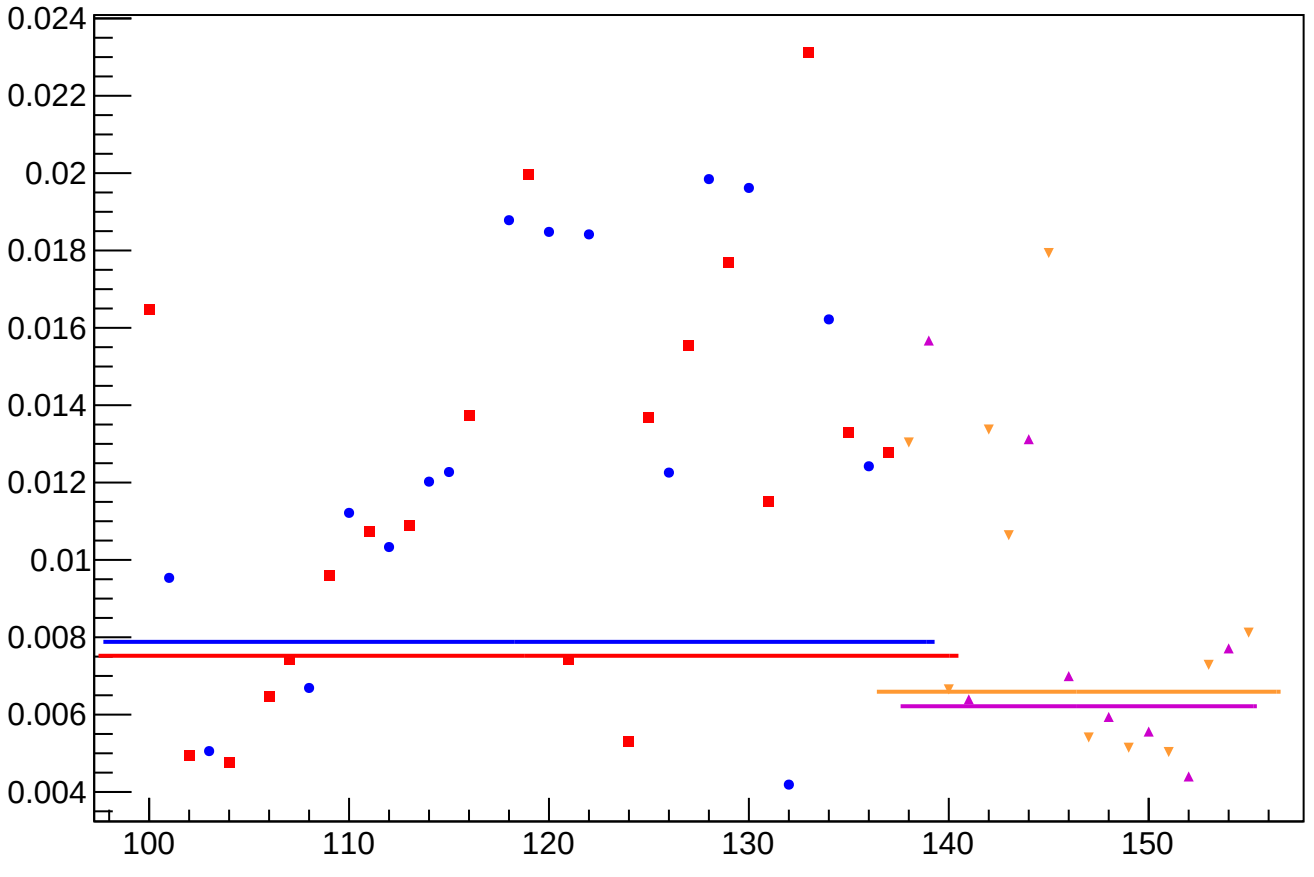
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 36.8/25

All: -0.000+/-0.000 χ^2/NDF: 65.2/52

- sign 0.000+/-0.000 χ^2/NDF: 24.8/26



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:1855329.6/9

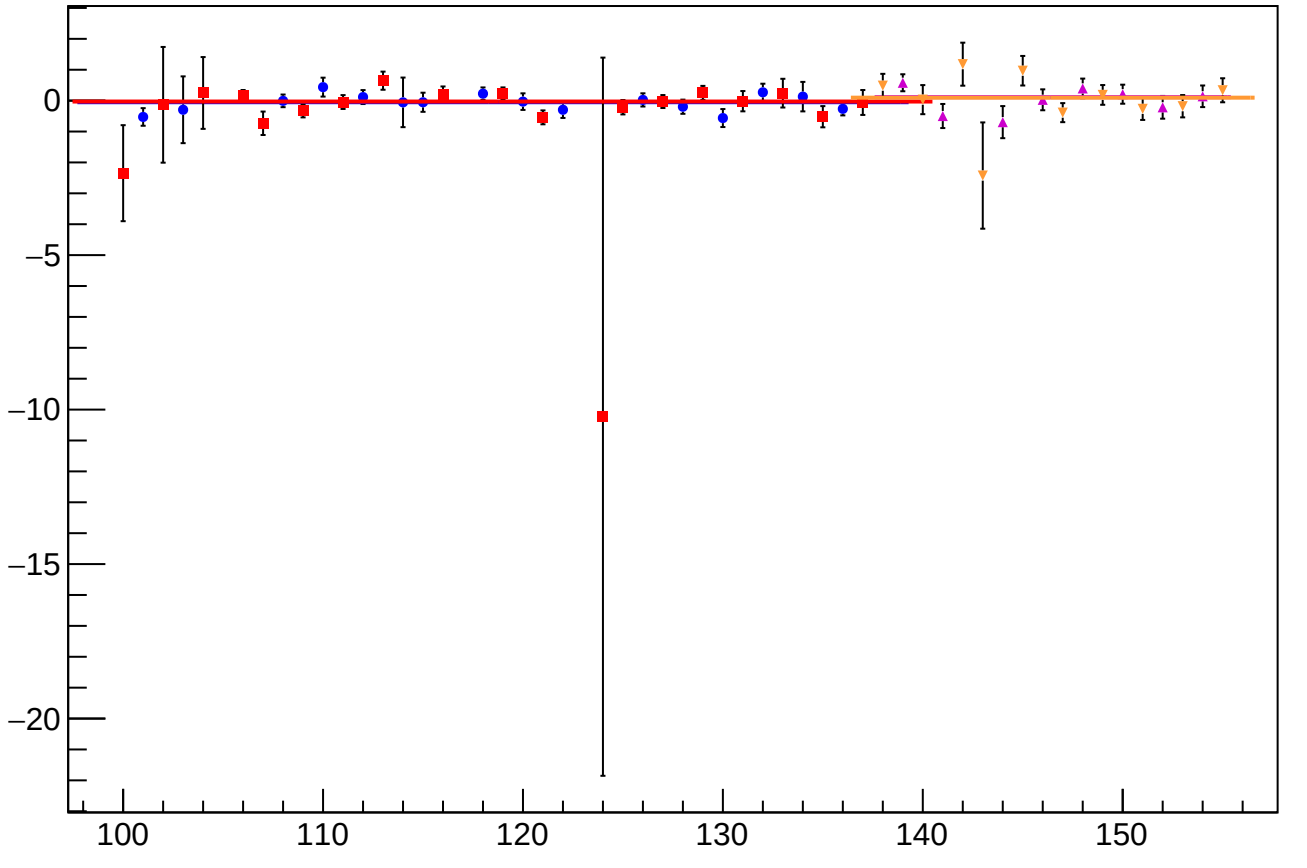
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:1432167.7/7

+ sign 0.007+/-0.000 χ^2/NDF: 5341518.5/25

All: 0.007+/-0.000 χ^2/NDF: 9981795.5/52

- sign 0.007+/-0.000 χ^2/NDF: 4615445.2/26



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.096+/-0.129 χ^2/NDF:13.5/9

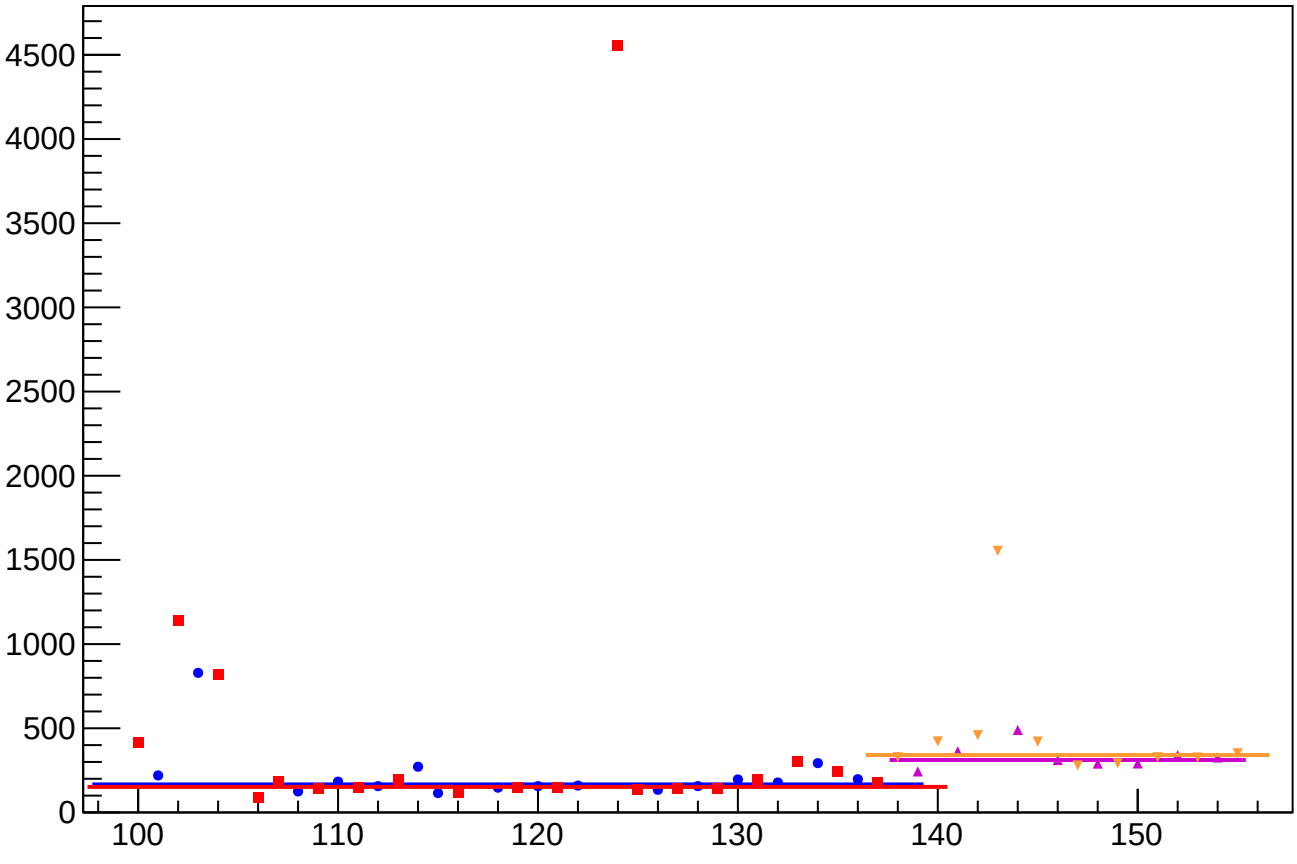
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.112+/-0.121 χ^2/NDF:9.5/7

+ sign -0.020+/-0.059 χ^2/NDF: 29.4/25

All: -0.009+/-0.041 χ^2/NDF: 67.6/52

- sign 0.002+/-0.057 χ^2/NDF: 38.1/26



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 341.020+/-0.091 χ^2/NDF:1303671.9/9

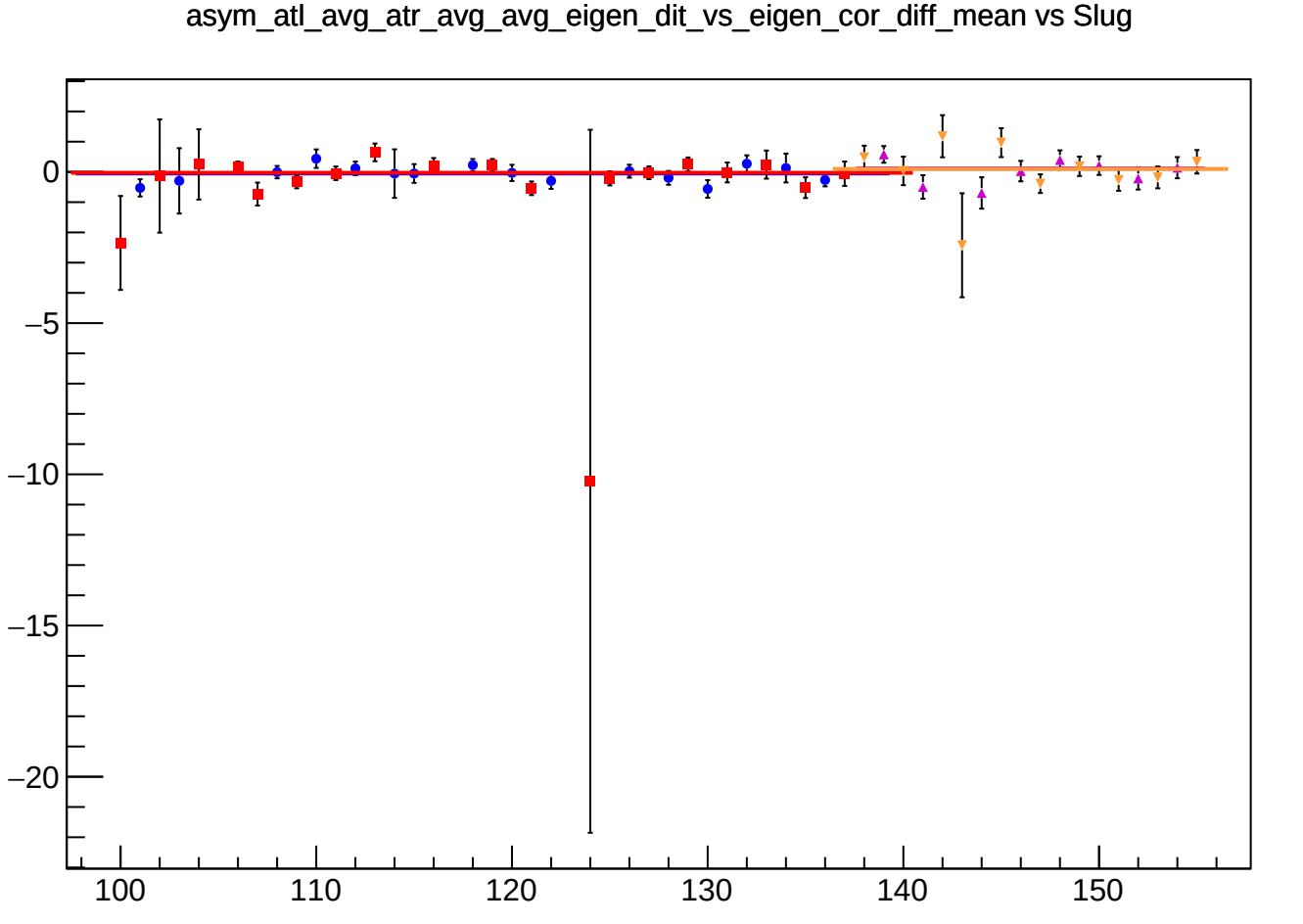
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 311.753+/-0.086 χ^2/NDF:425089.5/7

+ sign 203.420+/-0.042 χ^2/NDF: 5493982.6/25

All: 194.694+/-0.029 χ^2/NDF: 11044551.7/52

- sign 186.725+/-0.040 χ^2/NDF: 5467501.1/26



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.096+/-0.129 χ^2/NDF:13.5/9

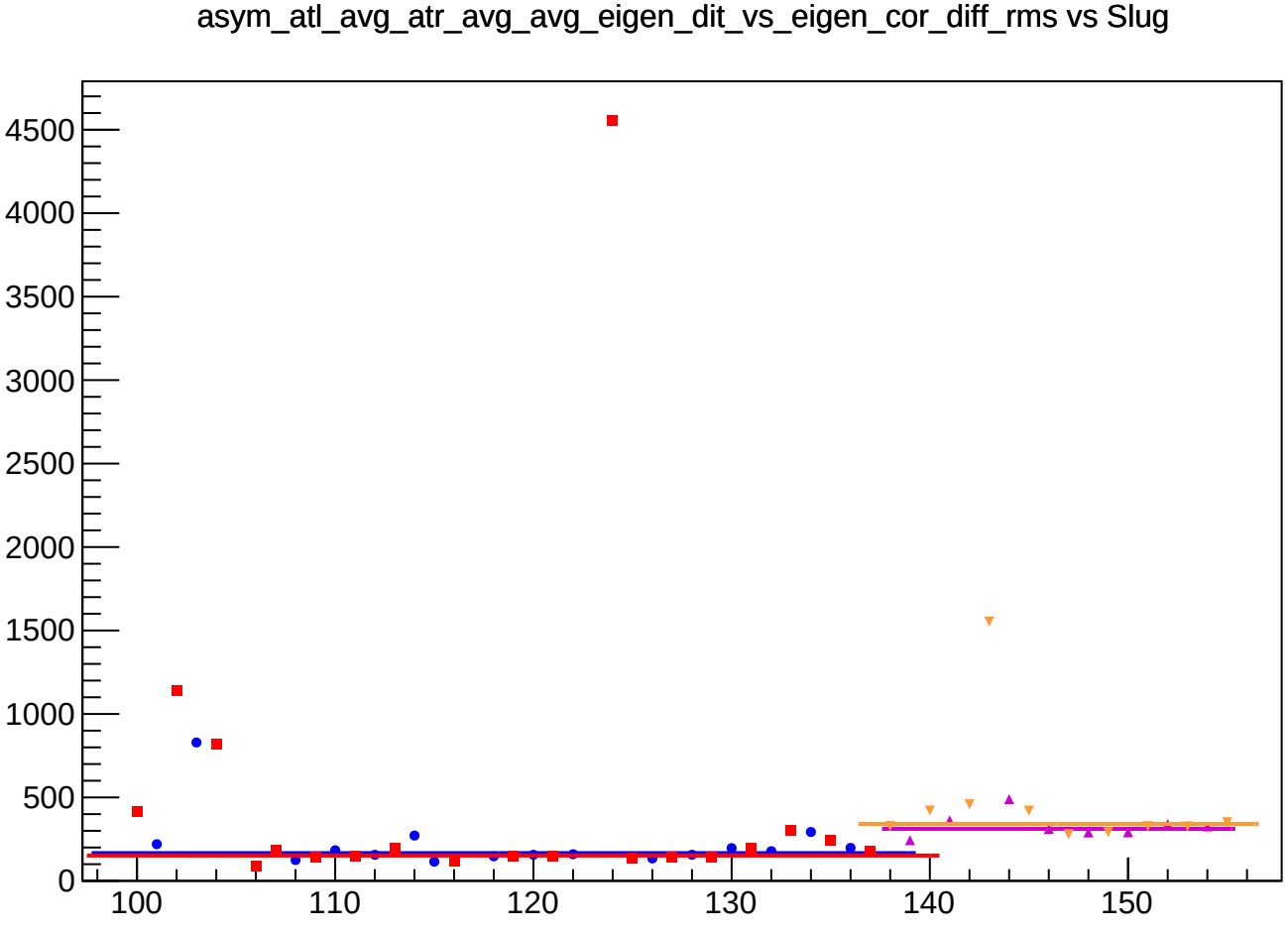
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.112+/-0.121 χ^2/NDF:9.5/7

+ sign -0.020+/-0.059 χ^2/NDF: 29.4/25

All: -0.009+/-0.041 χ^2/NDF: 67.6/52

- sign 0.002+/-0.057 χ^2/NDF: 38.1/26



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 341.020+/-0.091 χ^2/NDF:1303671.9/9

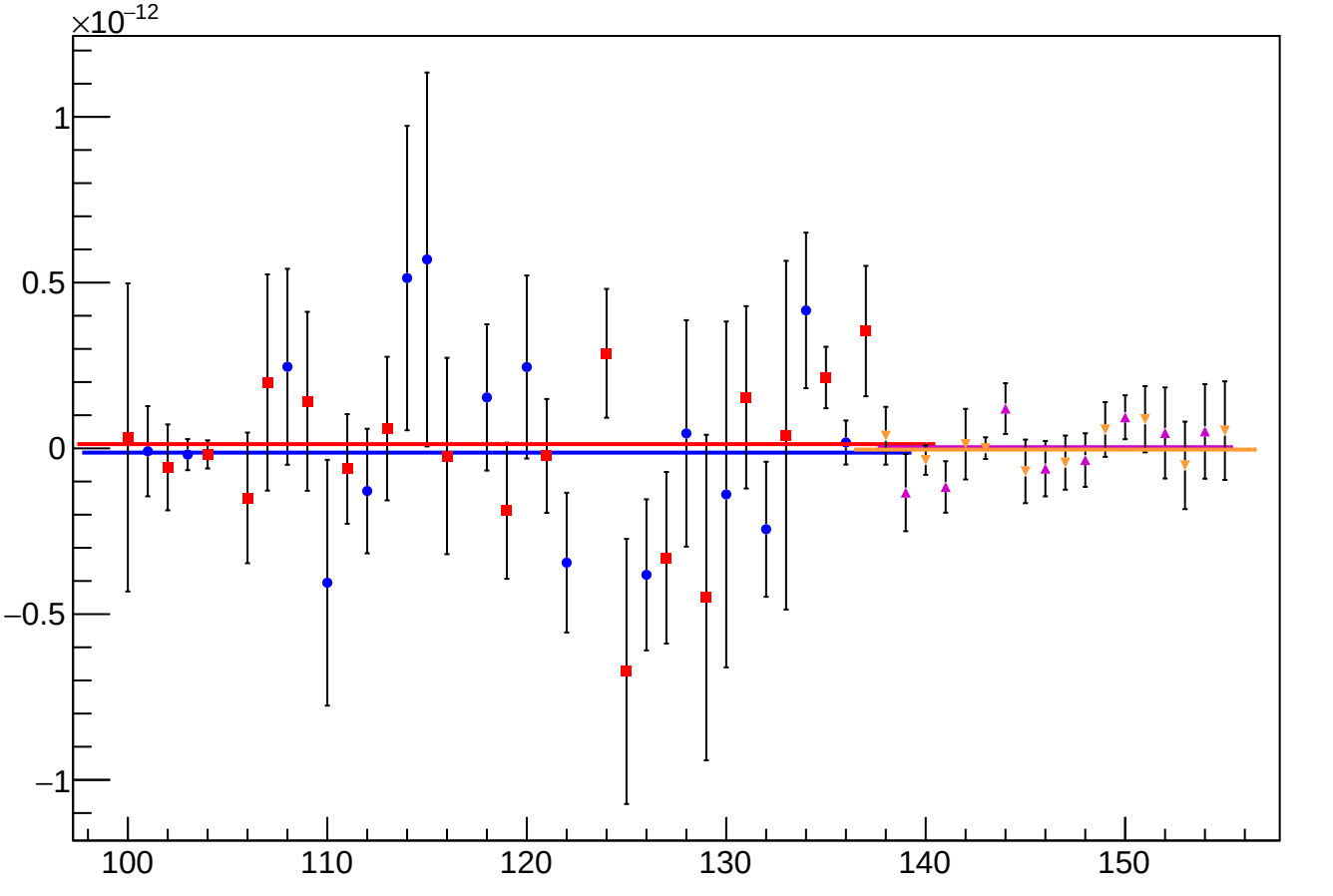
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 311.753+/-0.086 χ^2/NDF:425089.5/7

+ sign 203.420+/-0.042 χ^2/NDF: 5493982.6/25

All: 194.694+/-0.029 χ^2/NDF: 11044551.7/52

- sign 186.725+/-0.040 χ^2/NDF: 5467501.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/9

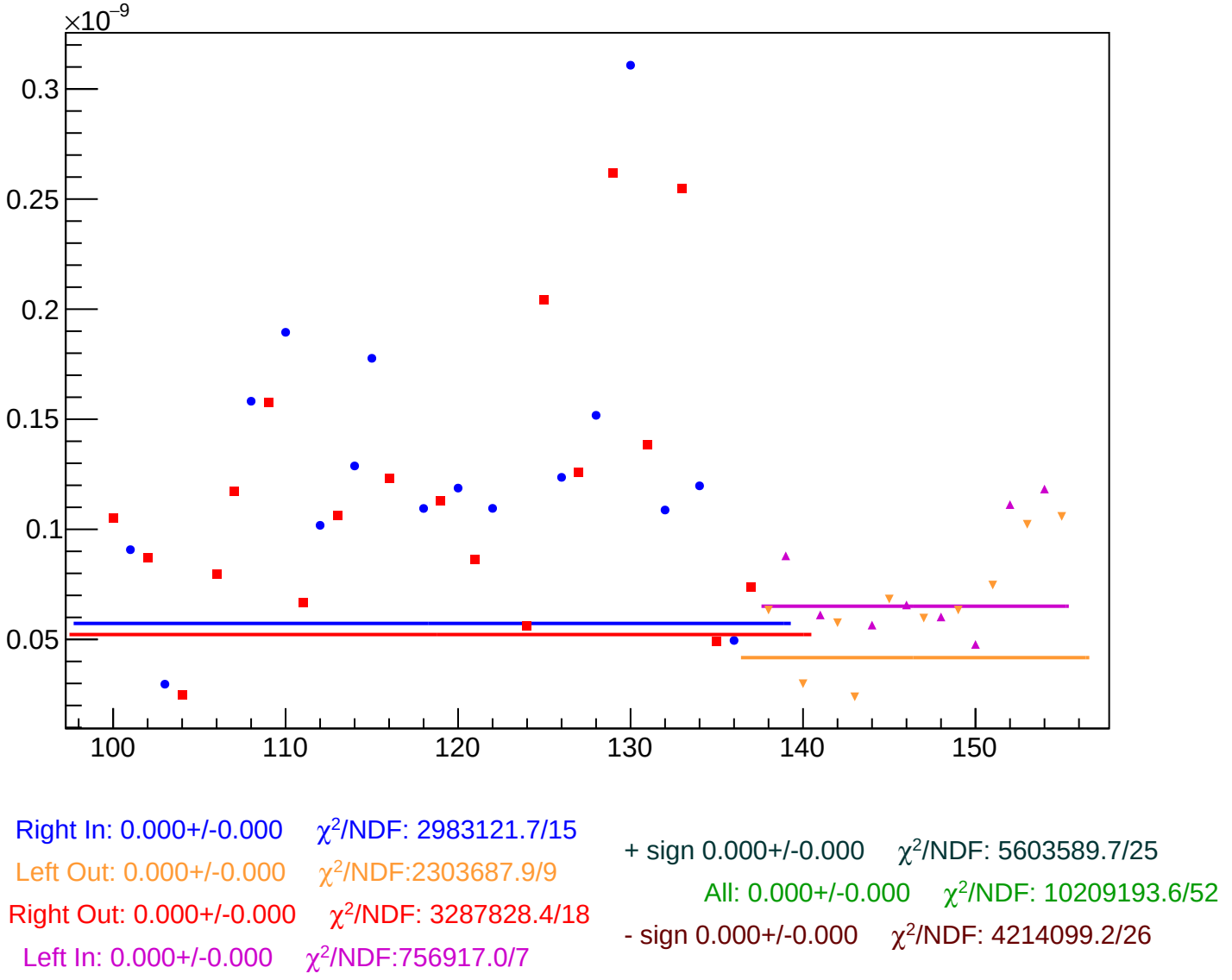
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/7

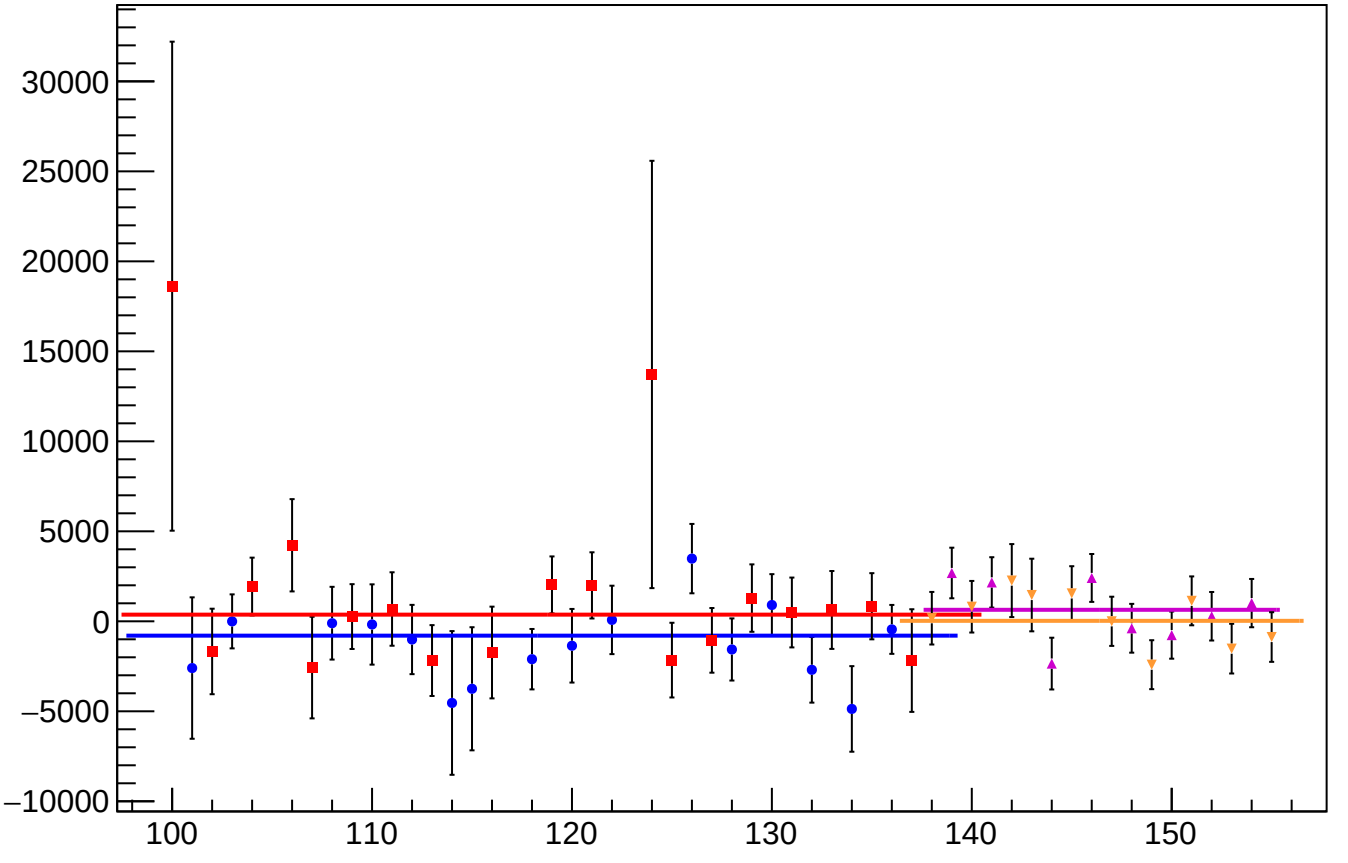
+ sign -0.000+/-0.000 χ^2/NDF: 19.3/25

All: -0.000+/-0.000 χ^2/NDF: 47.5/52

- sign 0.000+/-0.000 χ^2/NDF: 27.9/26


asym_atl_avg_atr_avg_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2303687.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:756917.0/7
+ sign 0.000+/-0.000 χ²/NDF: 5603589.7/25
All: 0.000+/-0.000 χ²/NDF: 10209193.6/52
- sign 0.000+/-0.000 χ²/NDF: 4214099.2/26

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 25.755+/-468.741 χ^2/NDF:8.6/9

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

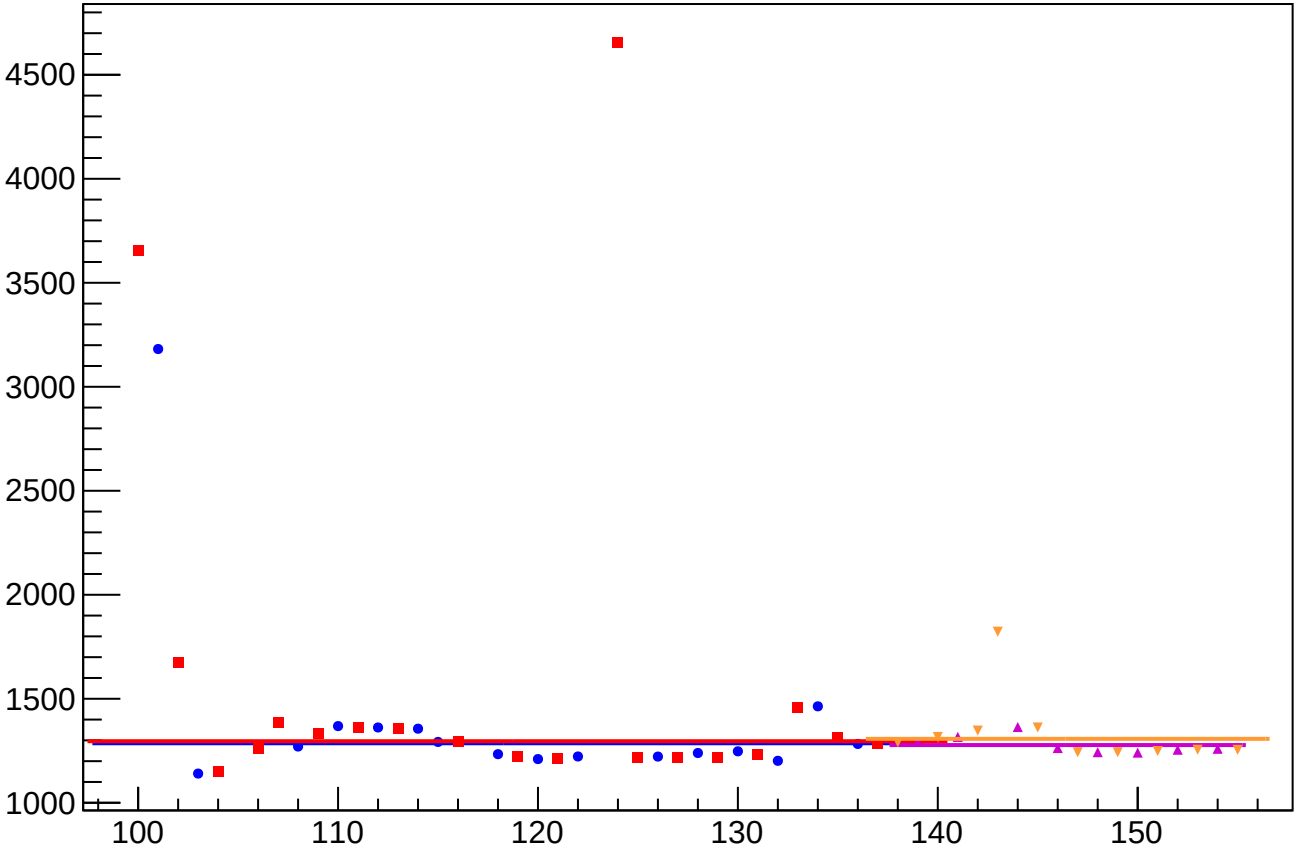
Left In: 638.924+/-482.336 χ^2/NDF:11.3/7

+ sign -369.664+/-337.872 χ^2/NDF: 23.5/25

All: 62.201+/-240.458 χ^2/NDF: 53.8/52

- sign 505.436+/-342.290 χ^2/NDF: 27.0/26

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

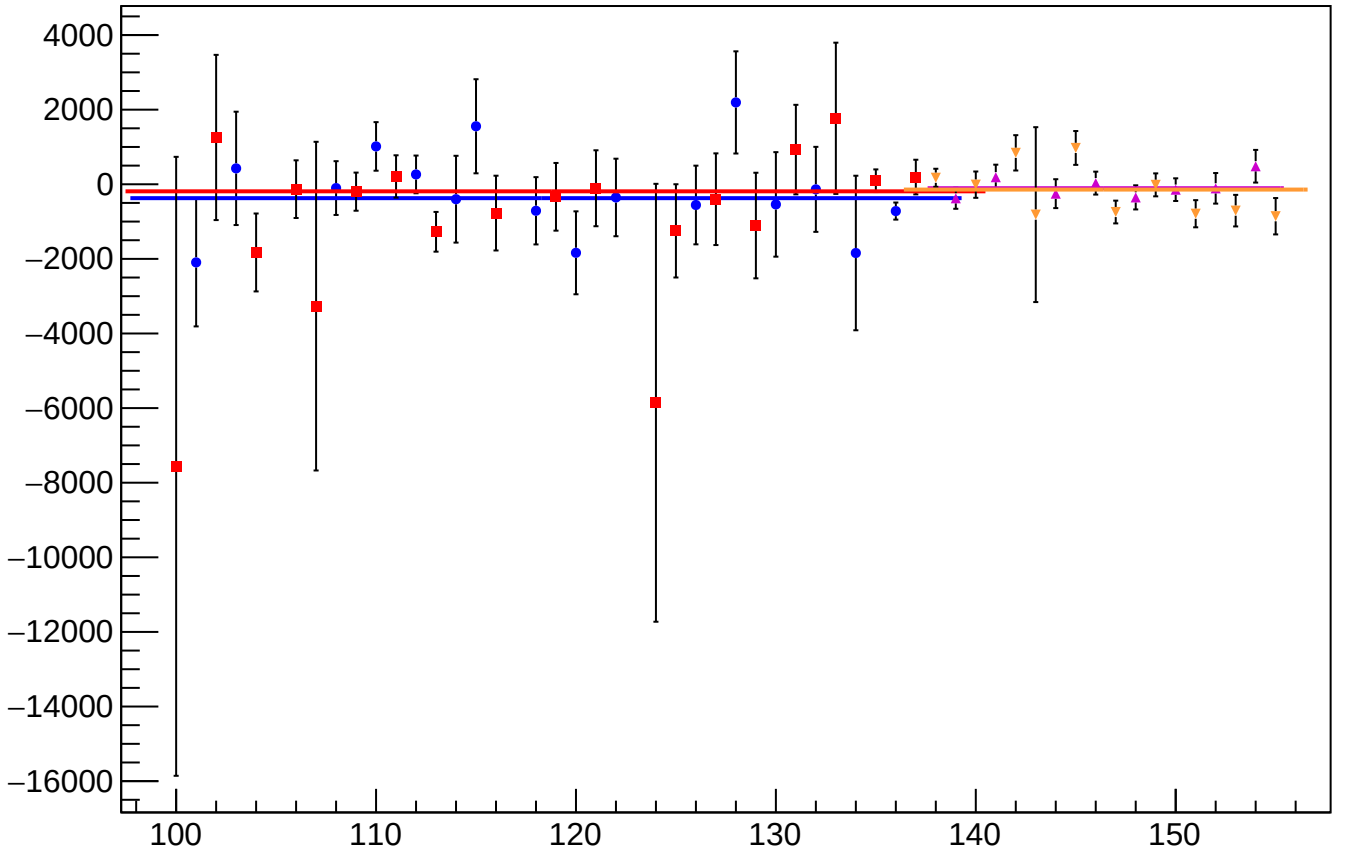
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

+ sign 1297.144+/-0.239 χ^2/NDF: 672707.1/25

All: 1291.954+/-0.170 χ^2/NDF: 1016235.6/52

- sign 1286.627+/-0.242 χ^2/NDF: 342572.2/26



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -142.165+/-116.781 χ^2/NDF:23.5/9

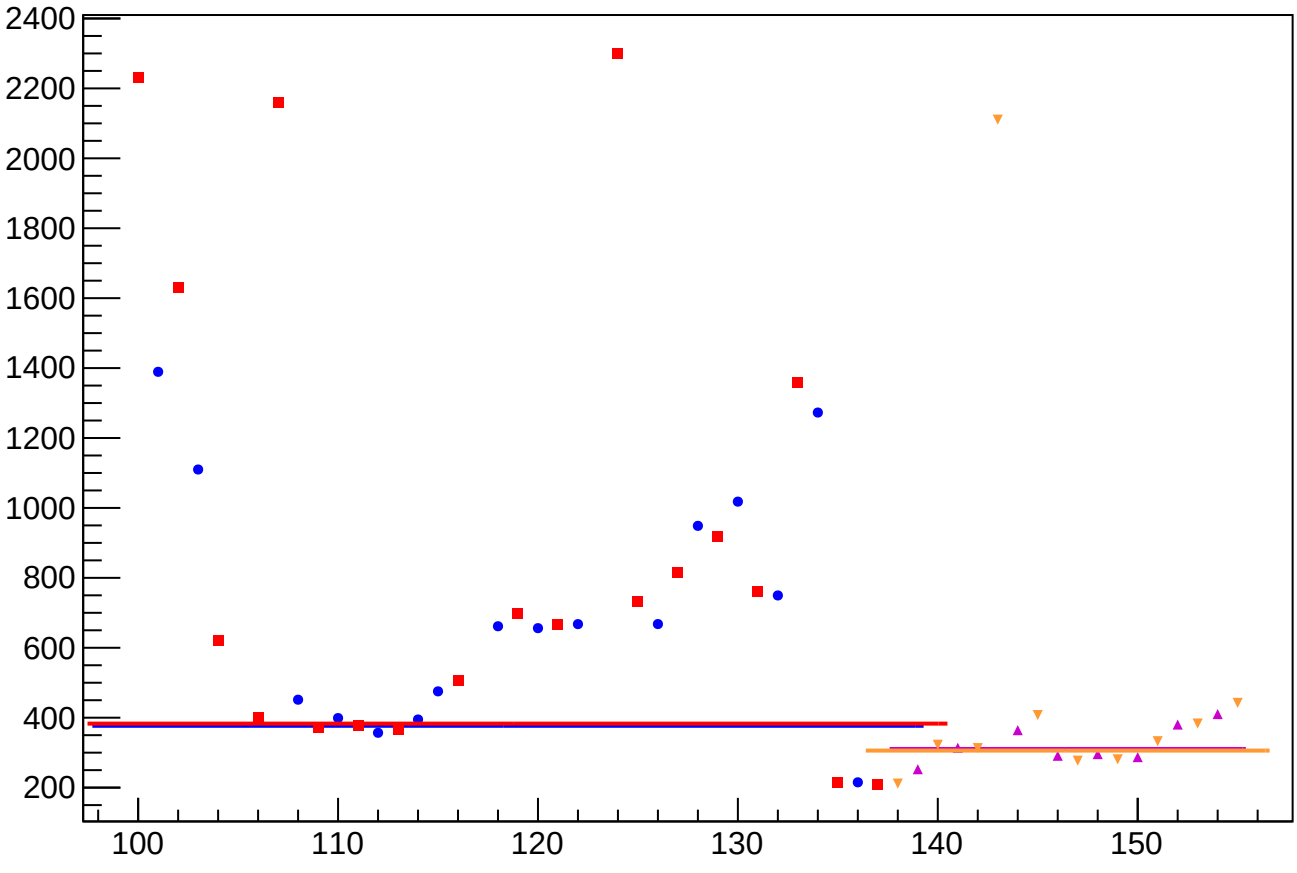
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -105.612+/-119.290 χ^2/NDF:4.4/7

+ sign -217.025+/-95.928 χ^2/NDF: 42.9/25

All: -175.822+/-68.403 χ^2/NDF: 62.5/52

- sign -133.198+/-97.567 χ^2/NDF: 19.2/26



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 305.954+/-0.083 χ^2/NDF:1861790.7/9

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

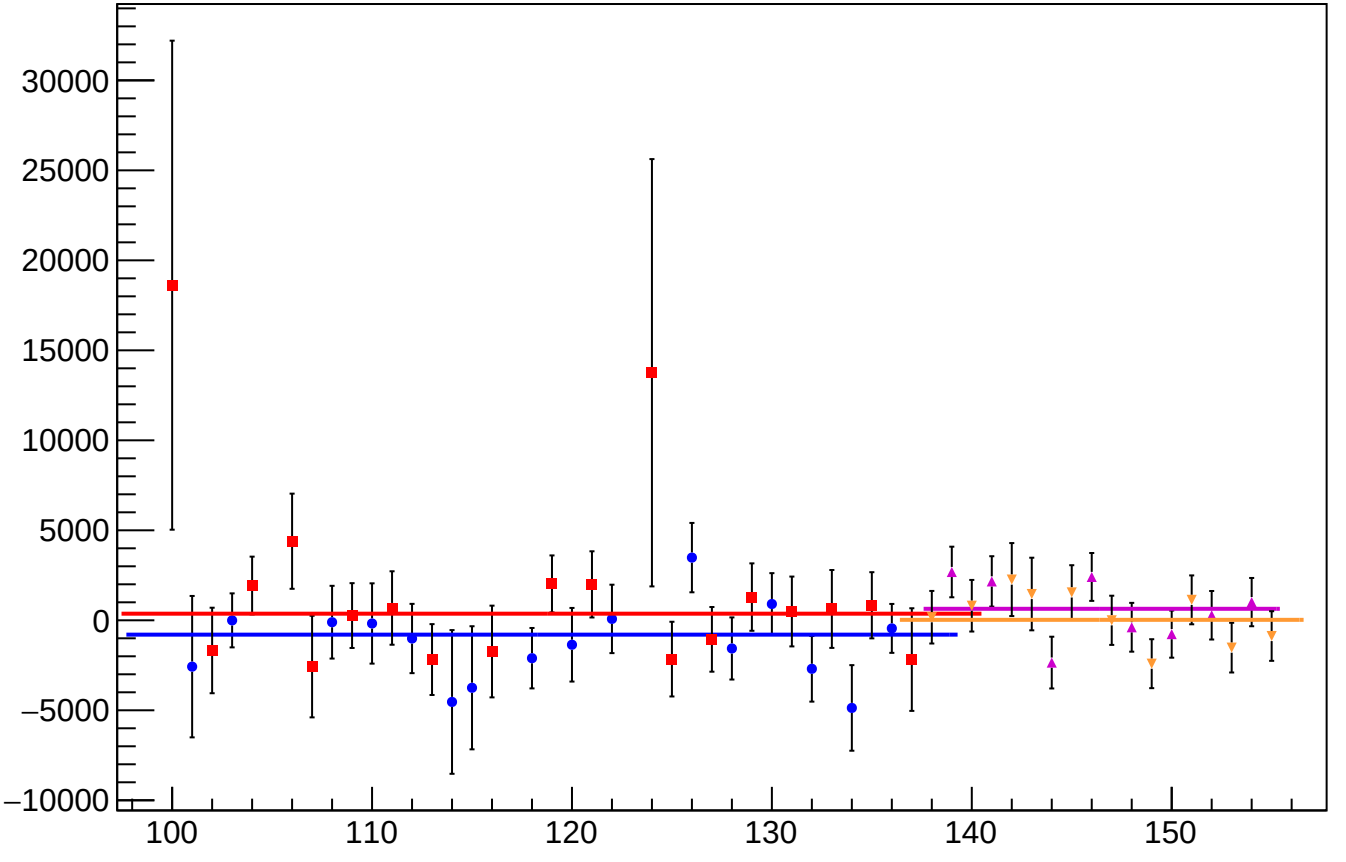
Left In: 310.564+/-0.084 χ^2/NDF:309025.7/7

+ sign 329.027+/-0.068 χ^2/NDF: 6292013.4/25

All: 331.751+/-0.048 χ^2/NDF: 10903061.1/52

- sign 334.568+/-0.069 χ^2/NDF: 4607767.9/26

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 25.770+/-468.741 χ^2/NDF:8.6/9

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

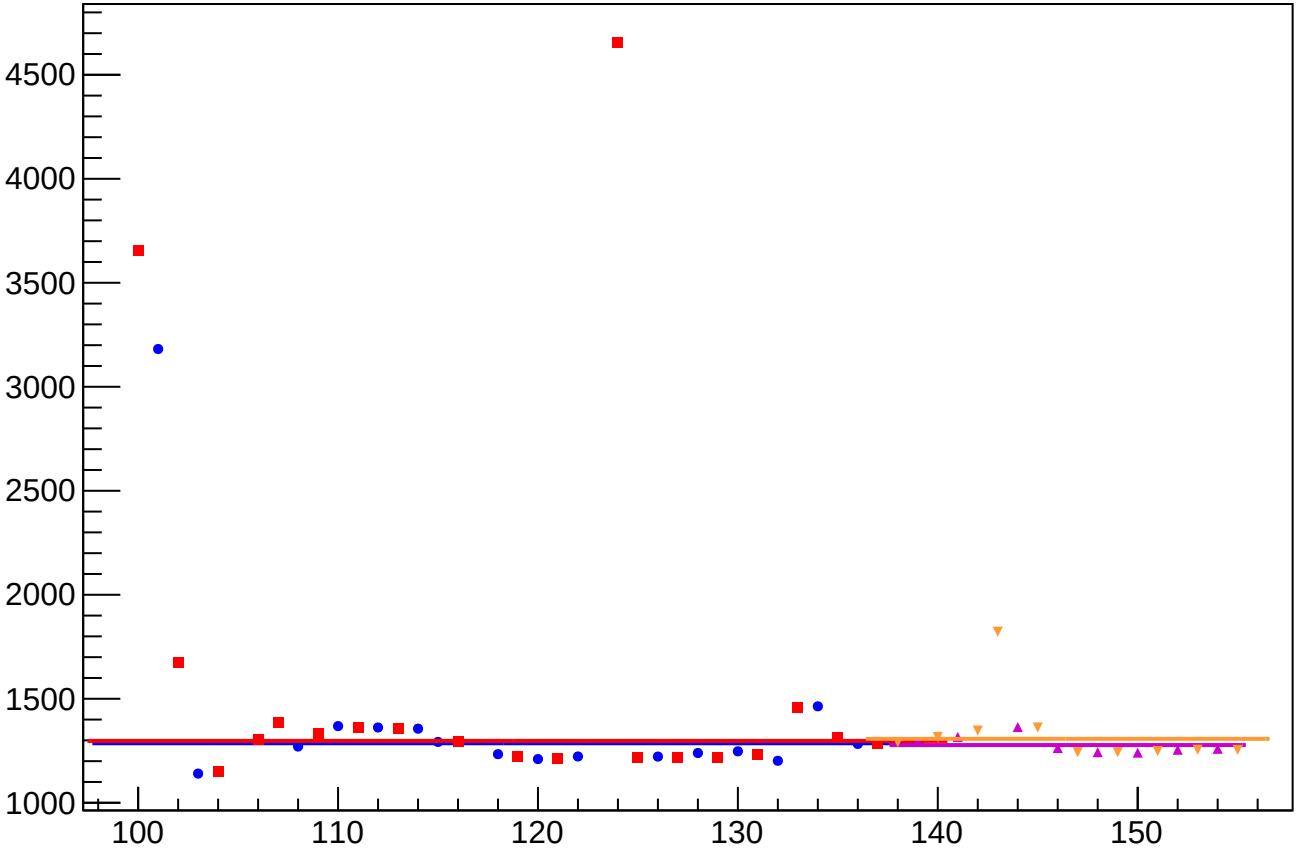
Left In: 638.878+/-482.336 χ^2/NDF:11.3/7

+ sign -369.464+/-337.872 χ^2/NDF: 23.5/25

All: 61.510+/-240.522 χ^2/NDF: 53.9/52

- sign 504.301+/-342.473 χ^2/NDF: 27.1/26

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

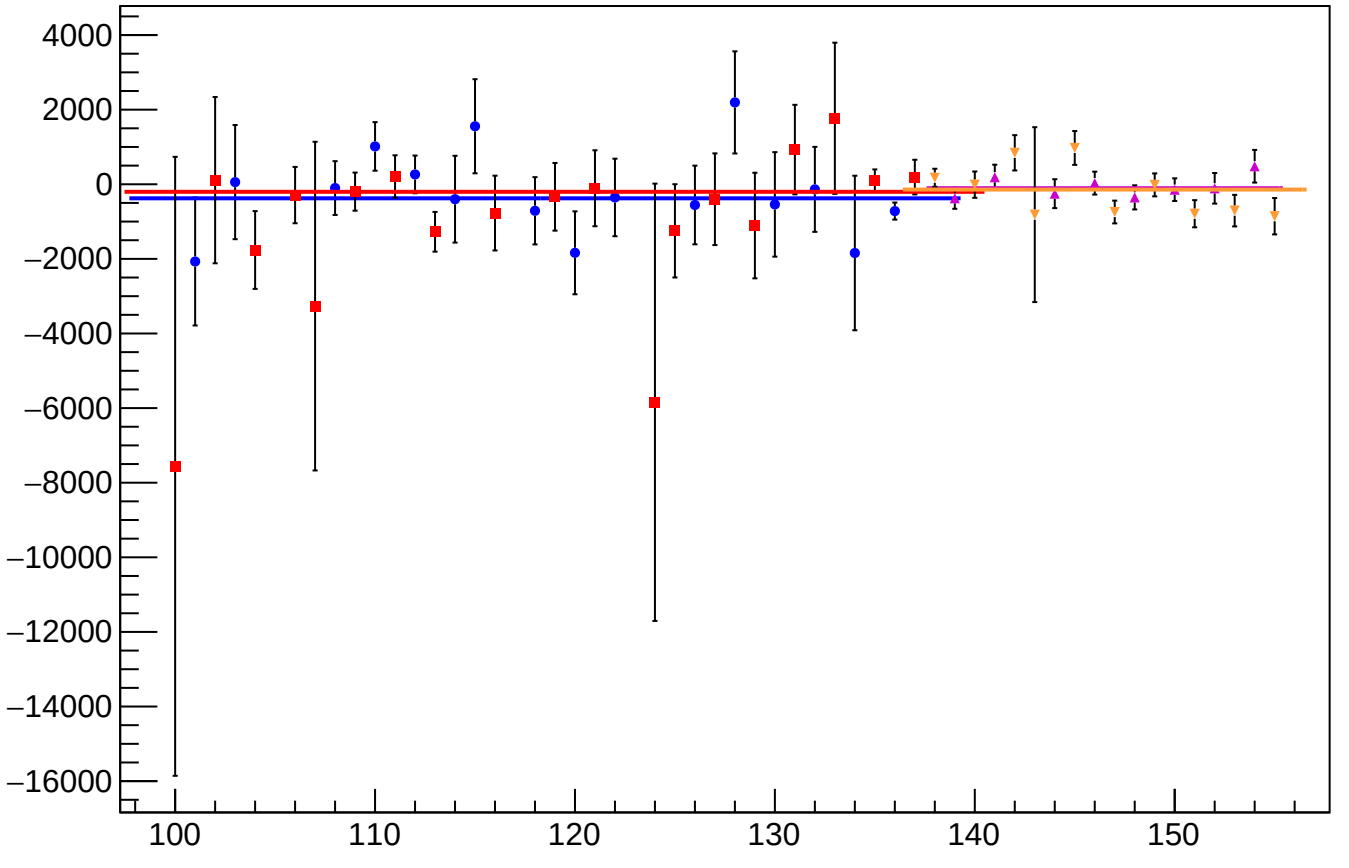
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

+ sign 1297.144+/-0.239 χ^2/NDF: 672708.5/25

All: 1292.306+/-0.170 χ^2/NDF: 1016019.9/52

- sign 1287.336+/-0.242 χ^2/NDF: 342480.2/26



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -142.182+/-116.785 χ^2/NDF:23.5/9

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

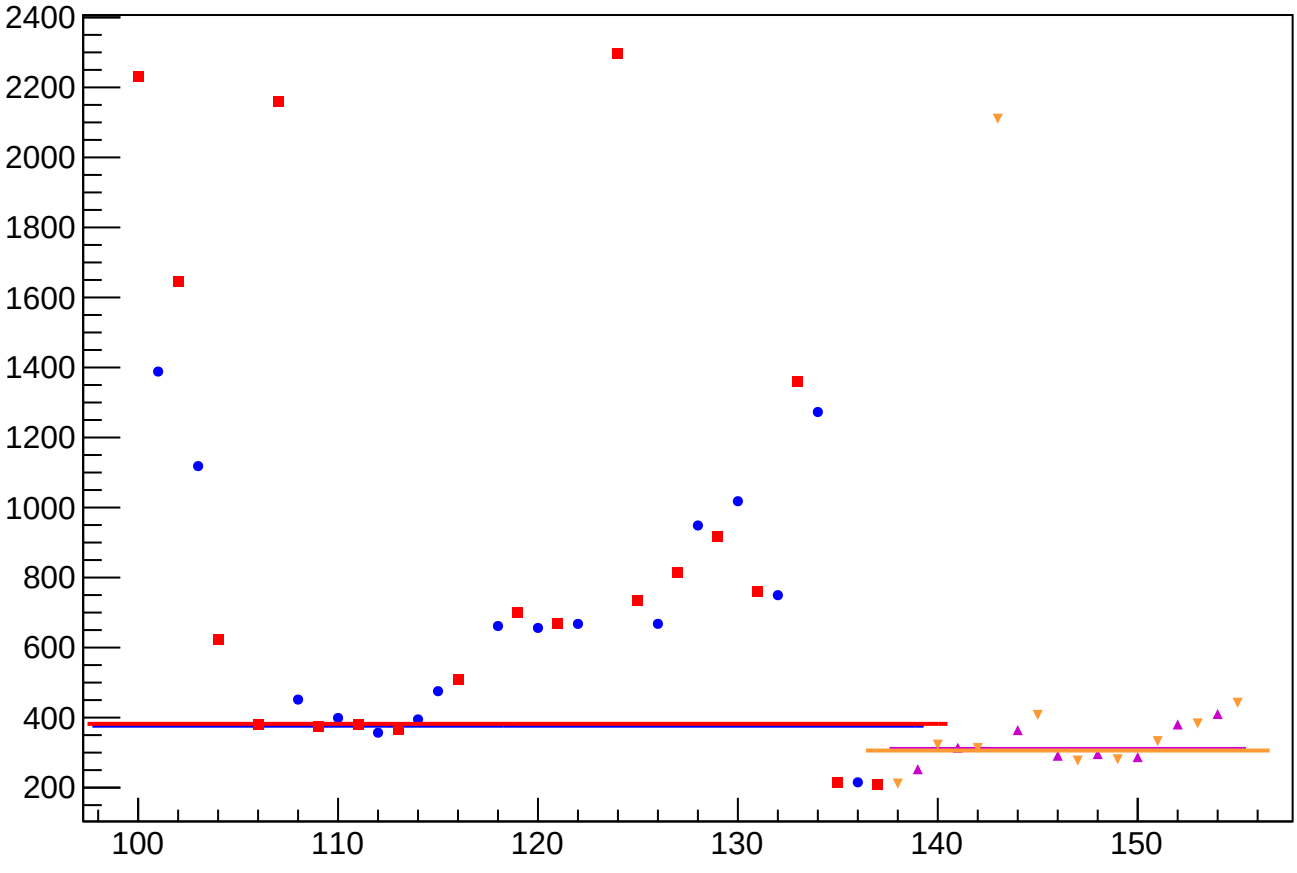
Left In: -105.646+/-119.289 χ^2/NDF:4.4/7

+ sign -218.473+/-95.933 χ^2/NDF: 42.7/25

All: -178.723+/-68.392 χ^2/NDF: 61.8/52

- sign -137.640+/-97.529 χ^2/NDF: 18.7/26

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 305.964+/-0.083 χ^2/NDF:1861726.1/9

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

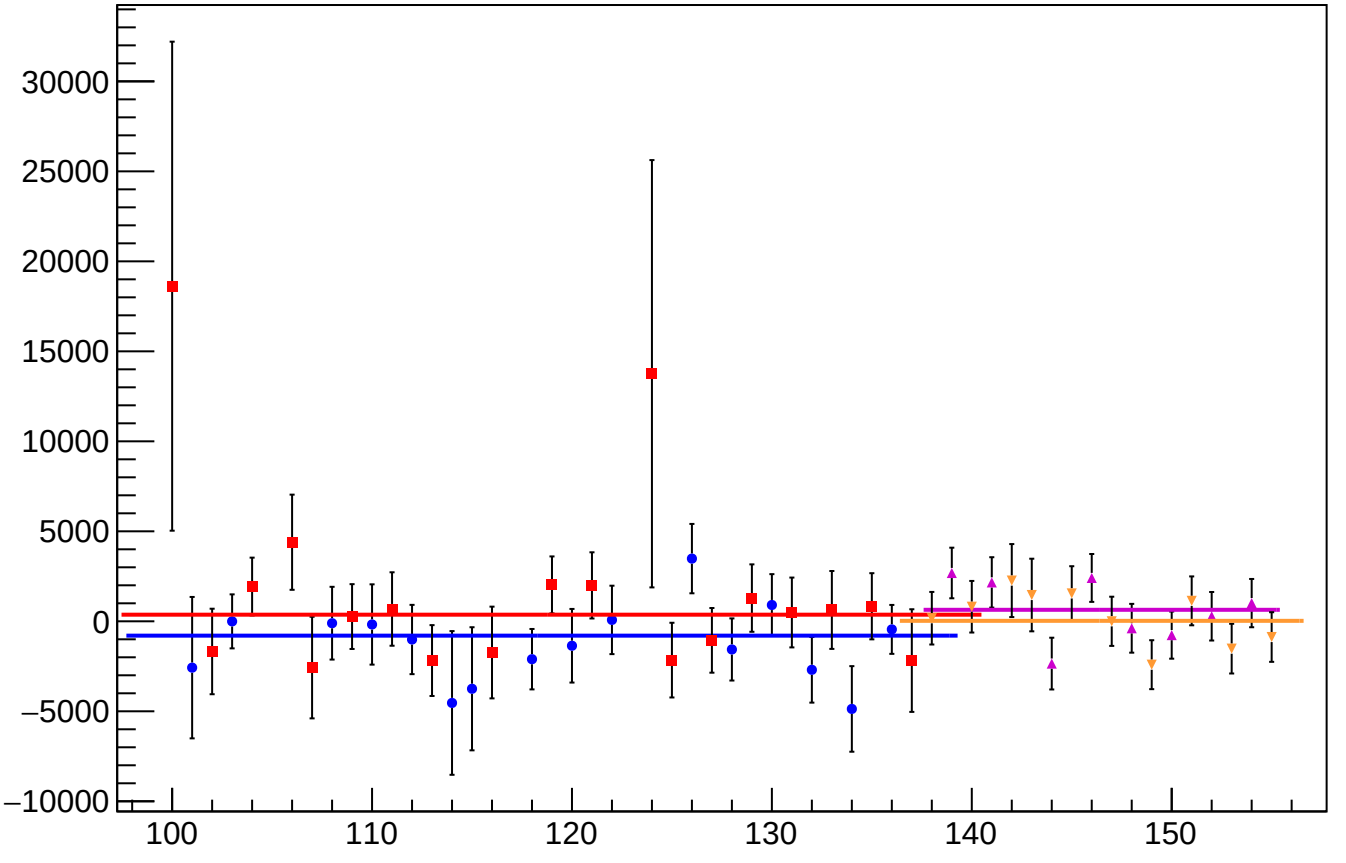
Left In: 310.563+/-0.084 χ^2/NDF:309059.4/7

+ sign 329.028+/-0.068 χ^2/NDF: 6294915.1/25

All: 331.617+/-0.048 χ^2/NDF: 10905256.1/52

- sign 334.293+/-0.069 χ^2/NDF: 4607378.6/26

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 25.770+/-468.741 χ^2/NDF:8.6/9

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

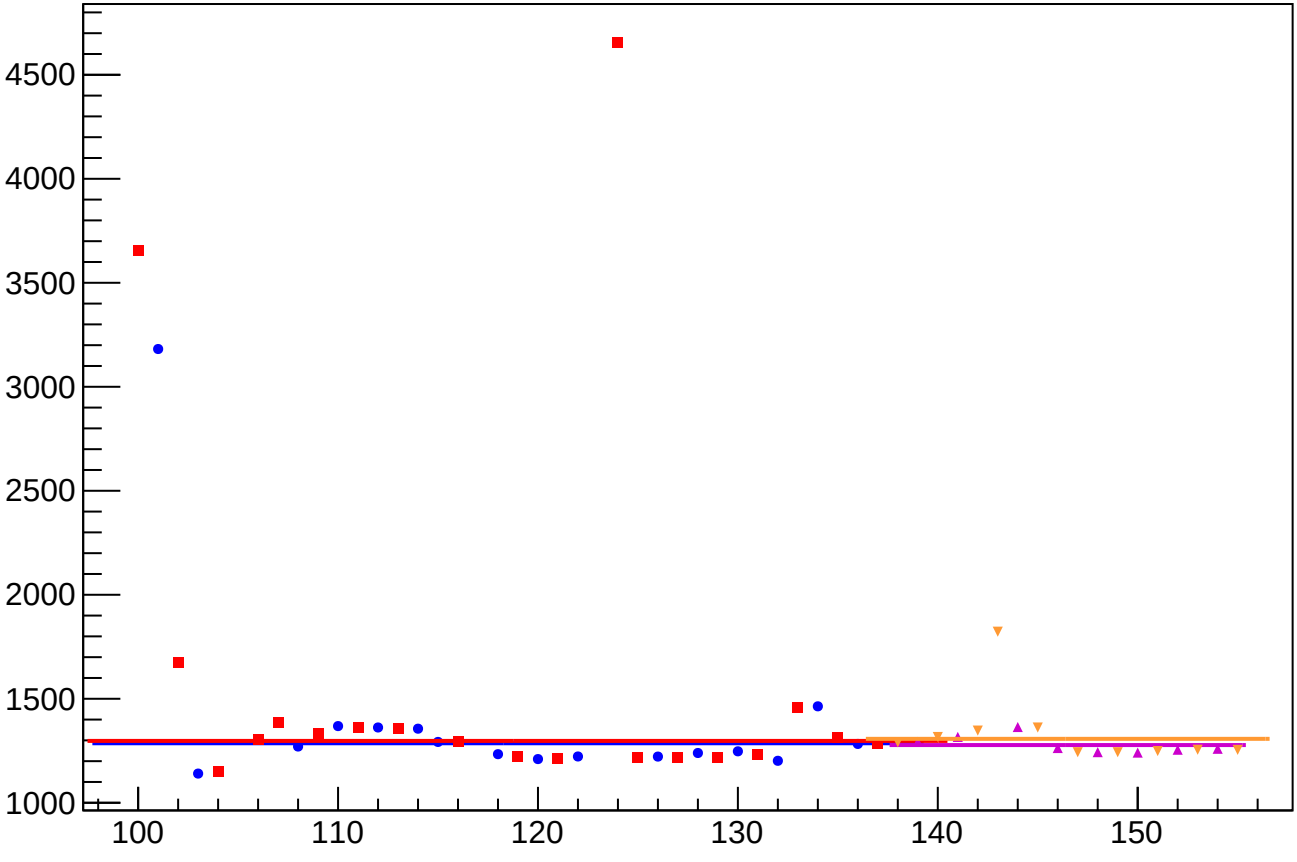
Left In: 638.878+/-482.336 χ^2/NDF:11.3/7

+ sign -369.464+/-337.872 χ^2/NDF: 23.5/25

All: 61.510+/-240.522 χ^2/NDF: 53.9/52

- sign 504.301+/-342.473 χ^2/NDF: 27.1/26

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: 1307.359+/-0.331 χ^2/NDF:152603.2/9

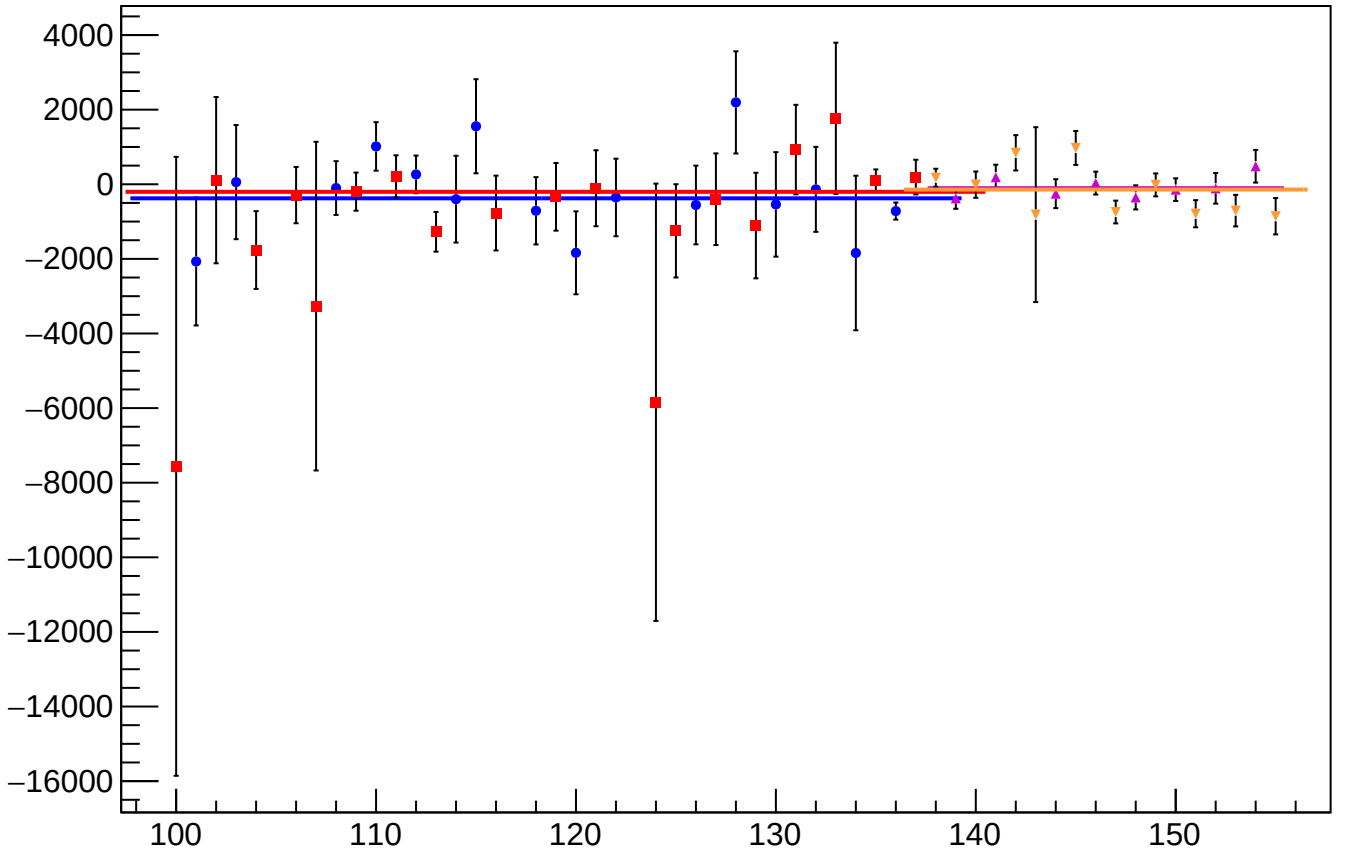
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

+ sign 1297.144+/-0.239 χ^2/NDF: 672708.5/25

All: 1292.306+/-0.170 χ^2/NDF: 1016019.9/52

- sign 1287.336+/-0.242 χ^2/NDF: 342480.2/26



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -142.182+/-116.785 χ^2/NDF:23.5/9

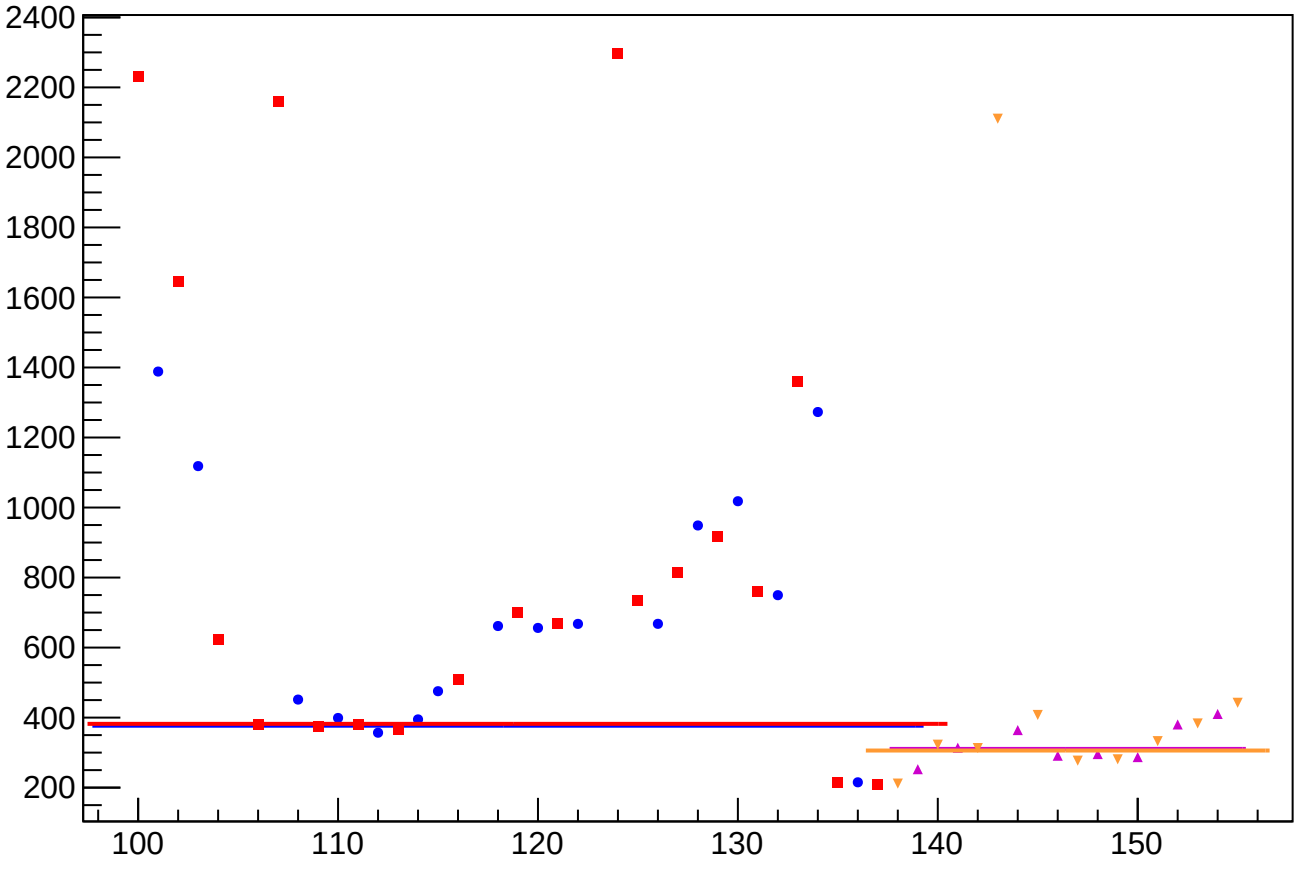
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -105.646+/-119.289 χ^2/NDF:4.4/7

+ sign -218.473+/-95.933 χ^2/NDF: 42.7/25

All: -178.723+/-68.392 χ^2/NDF: 61.8/52

- sign -137.640+/-97.529 χ^2/NDF: 18.7/26



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 305.964+/-0.083 χ^2/NDF:1861726.1/9

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

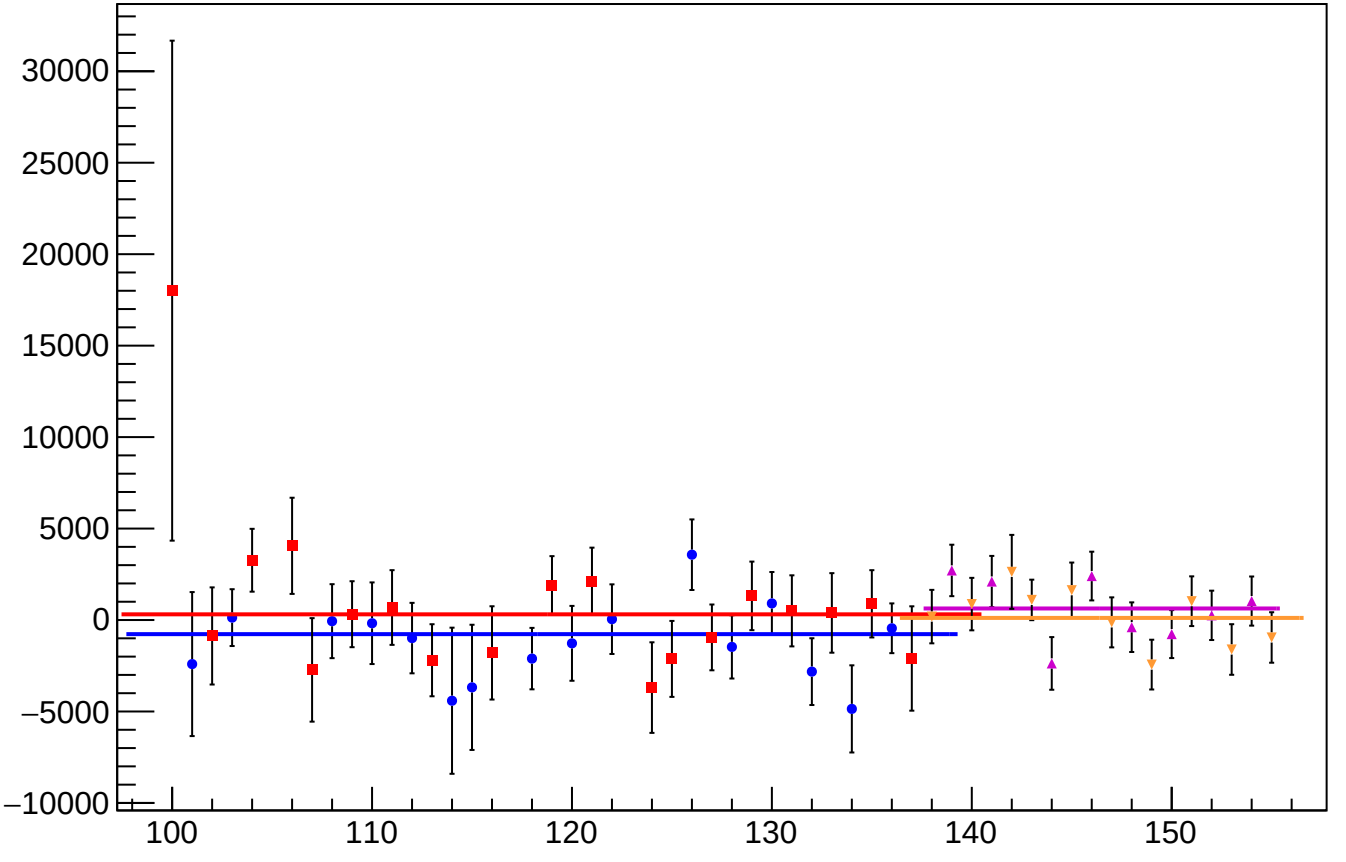
Left In: 310.563+/-0.084 χ^2/NDF:309059.4/7

+ sign 329.028+/-0.068 χ^2/NDF: 6294915.1/25

All: 331.617+/-0.048 χ^2/NDF: 10905256.1/52

- sign 334.293+/-0.069 χ^2/NDF: 4607378.6/26

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 115.556+/-442.076 χ^2/NDF:9.8/9

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

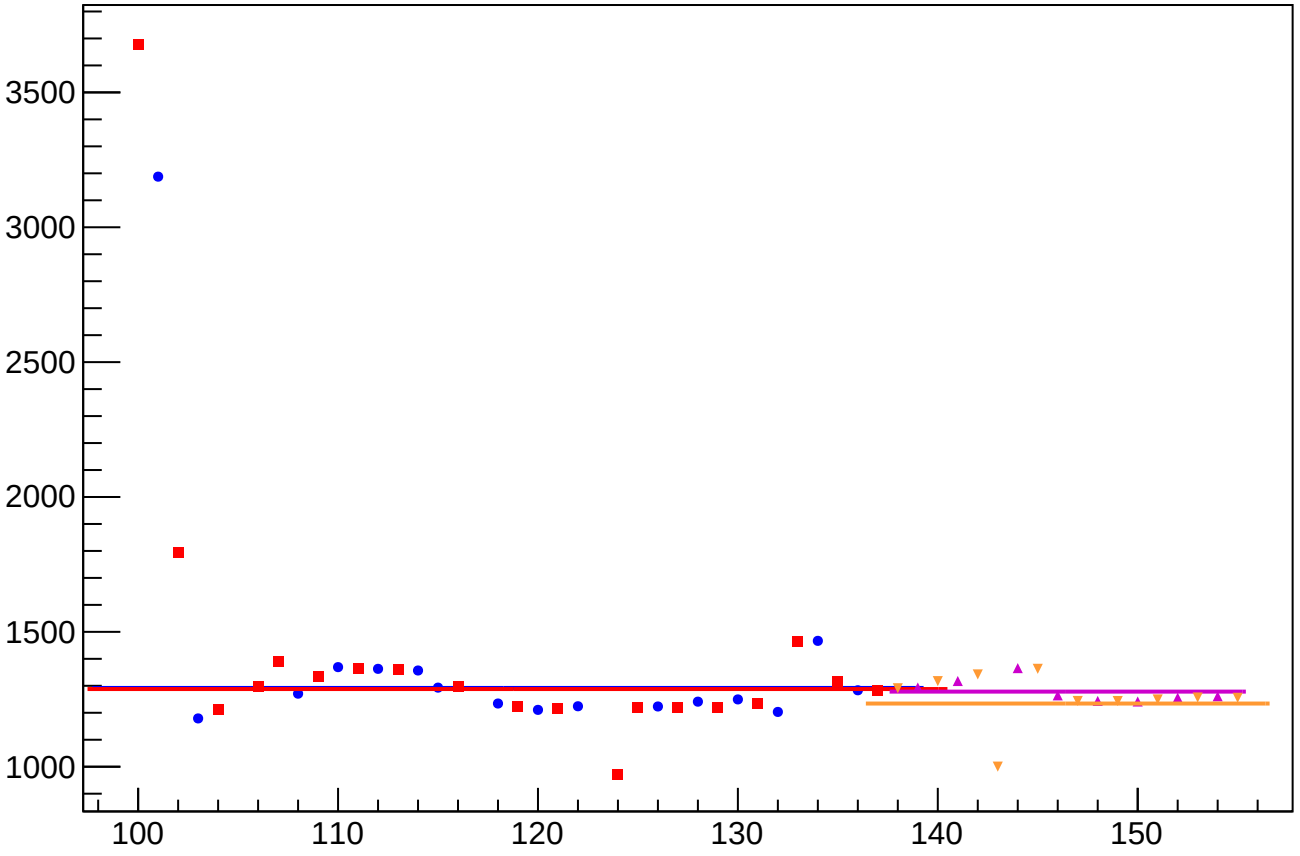
Left In: 631.320+/-482.717 χ^2/NDF:11.3/7

+ sign -282.839+/-328.114 χ^2/NDF: 25.2/25

All: 79.397+/-236.538 χ^2/NDF: 57.2/52

- sign 471.344+/-341.306 χ^2/NDF: 29.5/26

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1234.214+/-0.313 χ^2/NDF:120601.0/9

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

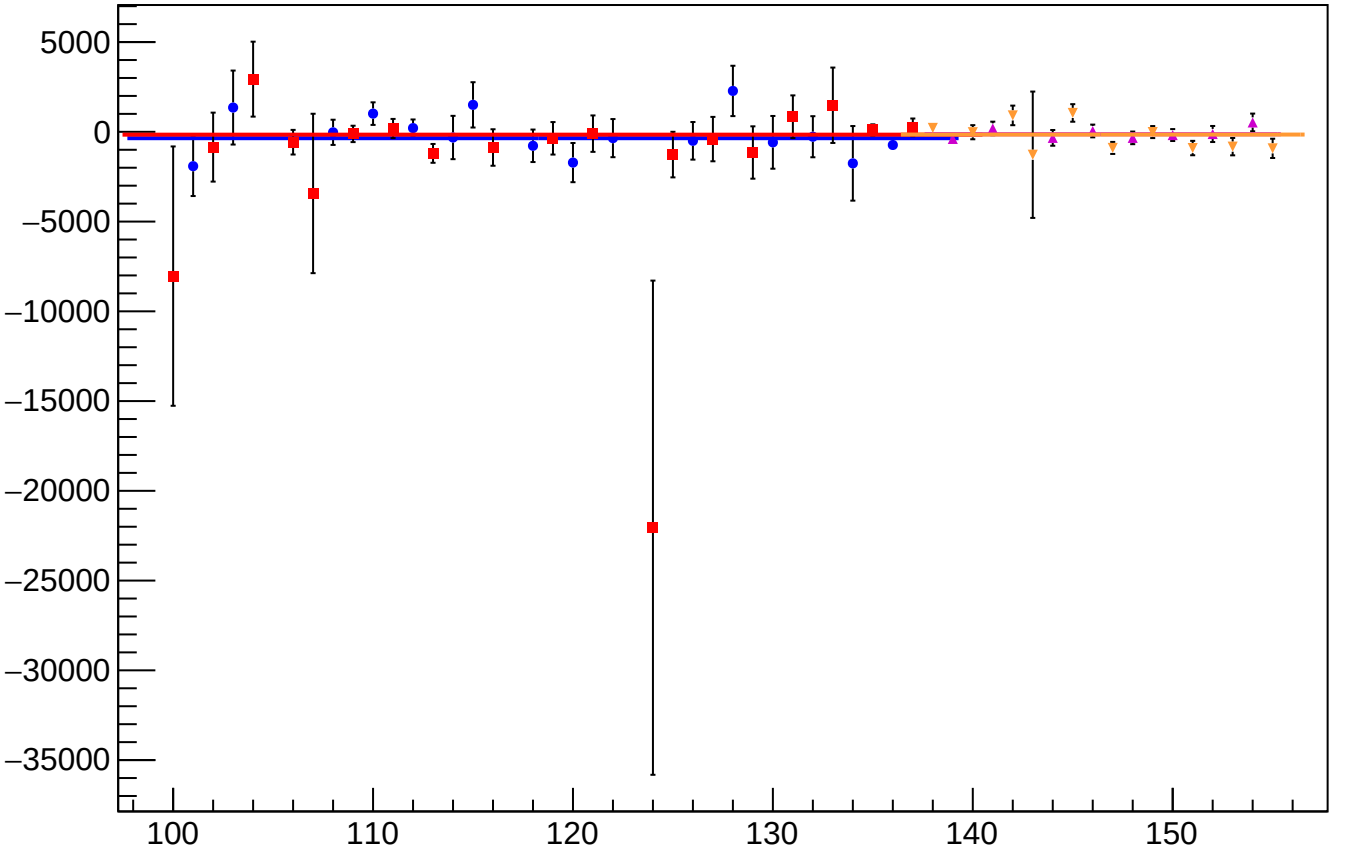
Left In: 1278.445+/-0.341 χ^2/NDF:13106.8/7

+ sign 1260.184+/-0.232 χ^2/NDF: 645375.4/25

All: 1271.247+/-0.167 χ^2/NDF: 872815.8/52

- sign 1283.217+/-0.241 χ^2/NDF: 222706.5/26

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -152.579+/-126.272 χ^2/NDF:25.0/9

Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

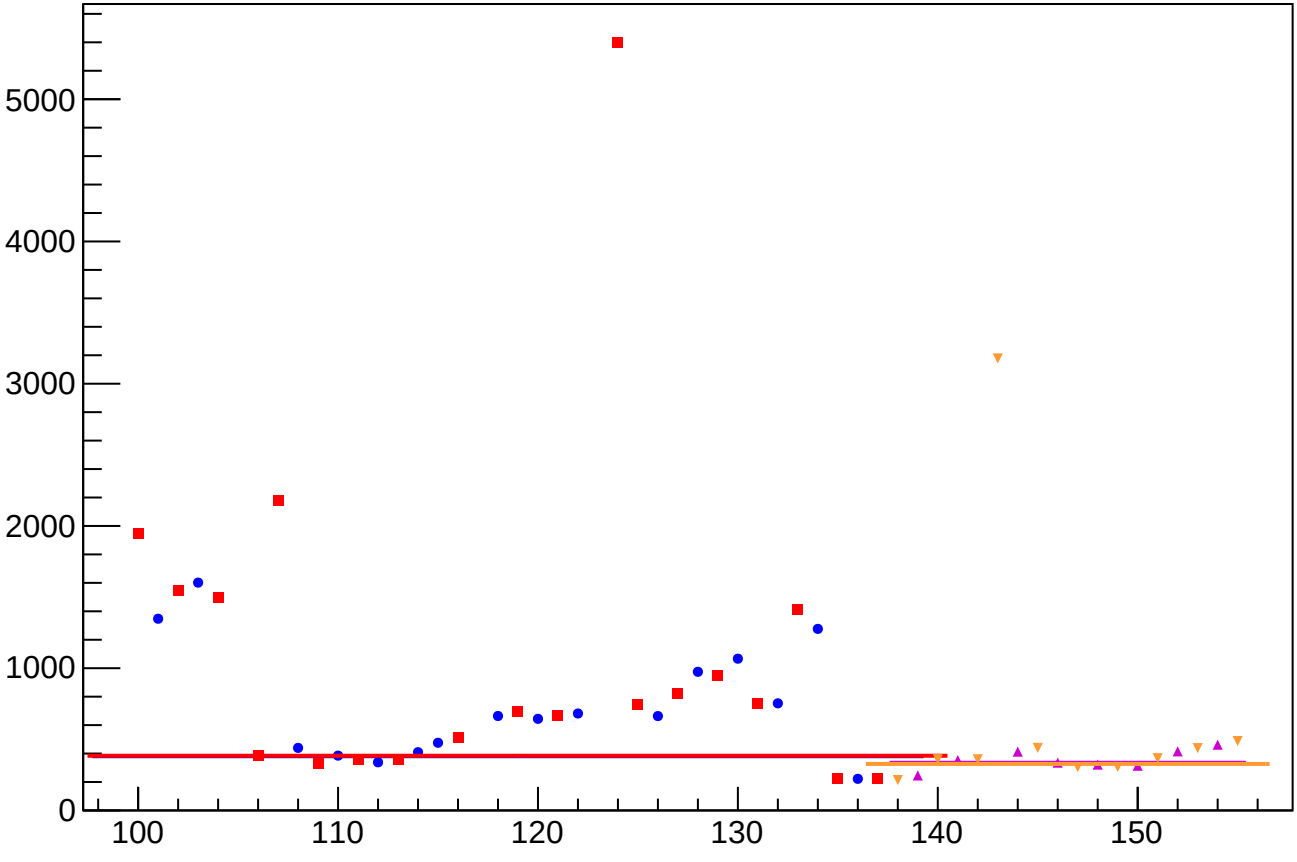
Left In: -134.735+/-129.692 χ^2/NDF:4.2/7

+ sign -224.647+/-101.362 χ^2/NDF: 44.4/25

All: -184.634+/-72.259 χ^2/NDF: 64.8/52

- sign -143.287+/-103.037 χ^2/NDF: 20.1/26

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 327.132+/-0.089 χ^2/NDF:2194151.6/9

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

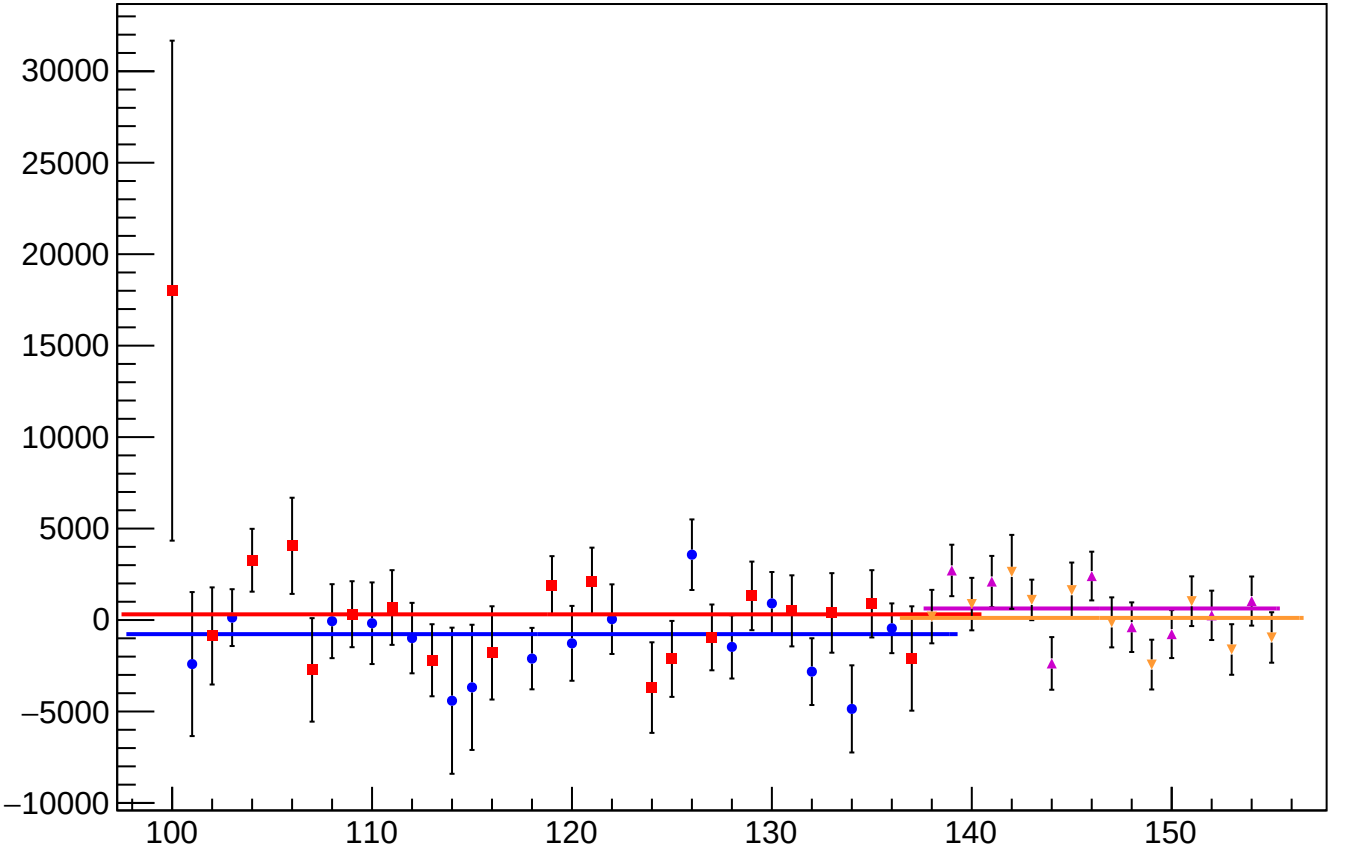
Left In: 335.410+/-0.092 χ^2/NDF:484388.5/7

+ sign 346.413+/-0.072 χ^2/NDF: 6643200.6/25

All: 349.933+/-0.051 χ^2/NDF: 11799029.8/52

- sign 353.571+/-0.073 χ^2/NDF: 5150924.6/26

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 115.558+/-442.076 χ^2/NDF:9.8/9

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

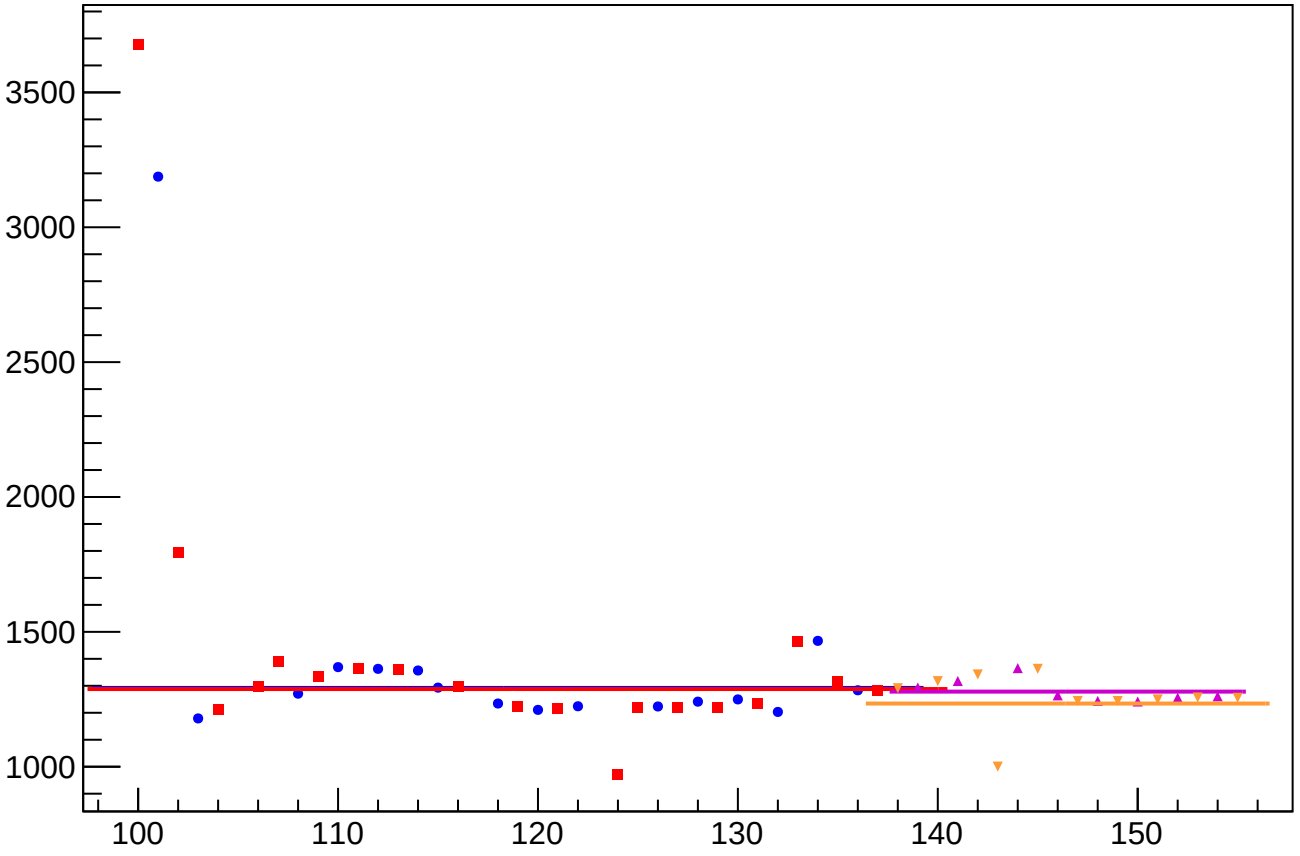
Left In: 631.318+/-482.717 χ^2/NDF:11.3/7

+ sign -282.839+/-328.114 χ^2/NDF: 25.2/25

All: 79.396+/-236.538 χ^2/NDF: 57.2/52

- sign 471.344+/-341.306 χ^2/NDF: 29.5/26

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: 1234.214+/-0.313 χ^2/NDF:120600.2/9

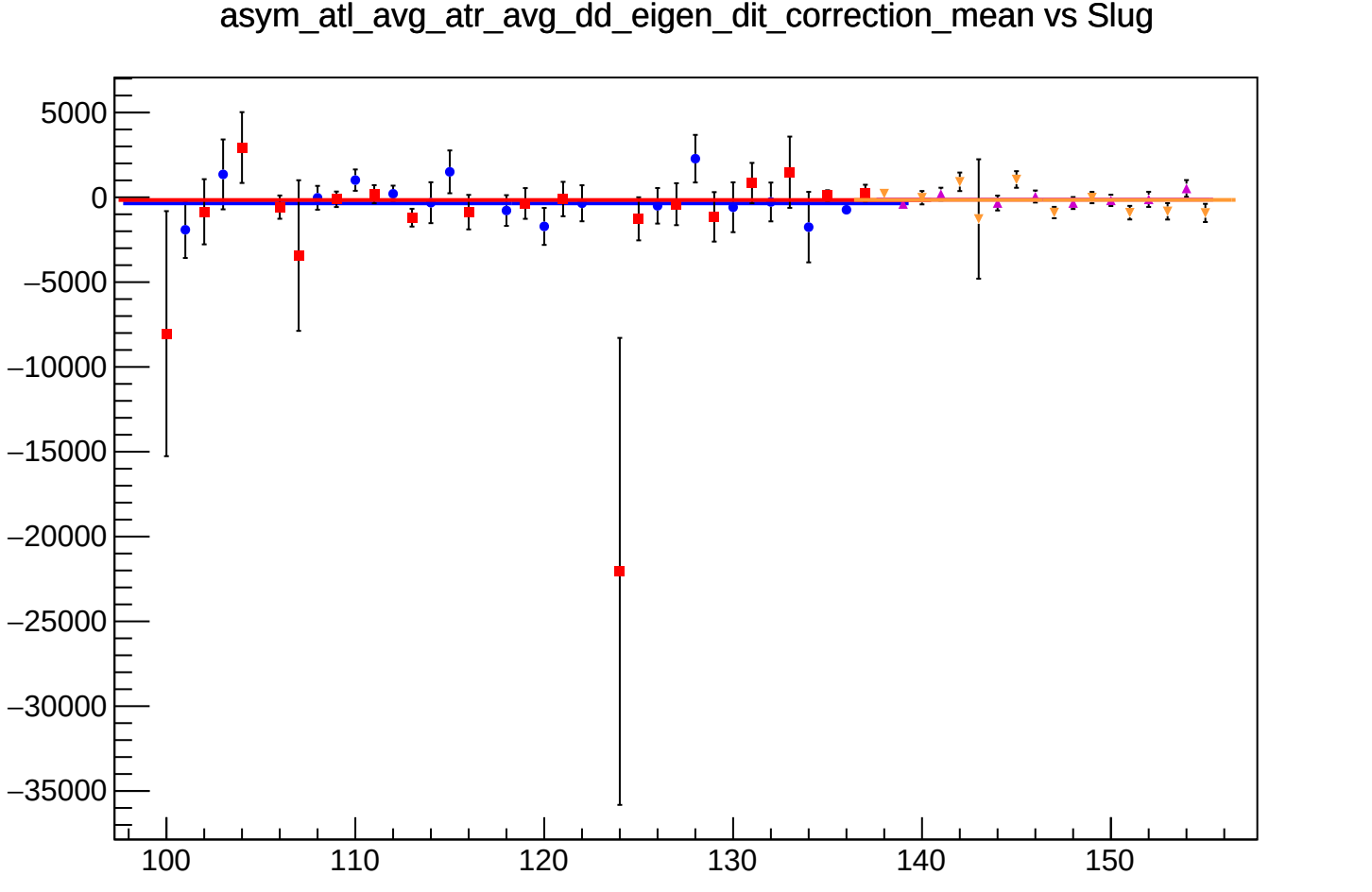
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1278.445+/-0.341 χ^2/NDF:13106.8/7

+ sign 1260.184+/-0.232 χ^2/NDF: 645374.4/25

All: 1271.247+/-0.167 χ^2/NDF: 872815.1/52

- sign 1283.217+/-0.241 χ^2/NDF: 222706.9/26



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -152.589+/-126.274 χ^2/NDF:25.0/9

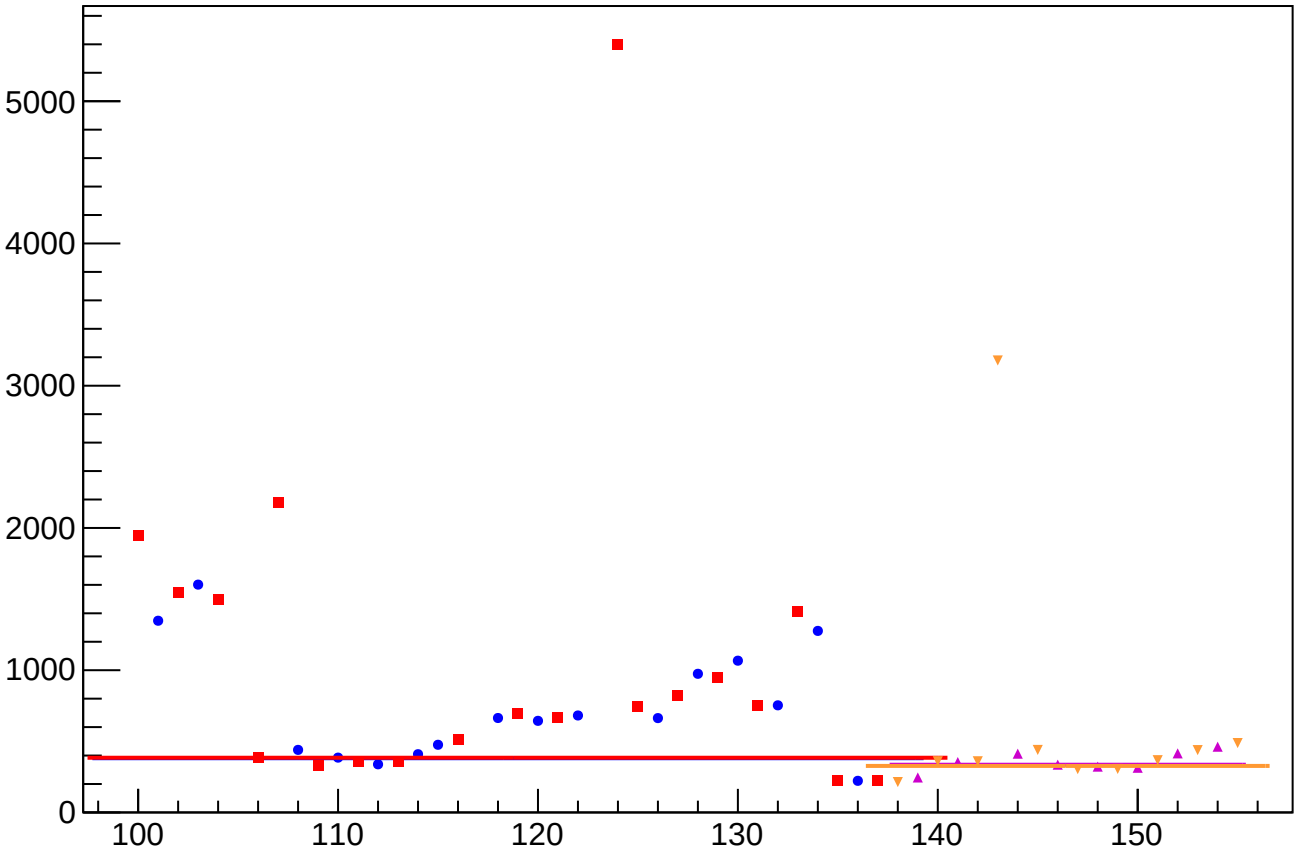
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -134.735+/-129.694 χ^2/NDF:4.2/7

+ sign -224.653+/-101.364 χ^2/NDF: 44.4/25

All: -184.638+/-72.260 χ^2/NDF: 64.8/52

- sign -143.289+/-103.038 χ^2/NDF: 20.1/26



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 327.139+/-0.089 χ^2/NDF:2194008.2/9

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

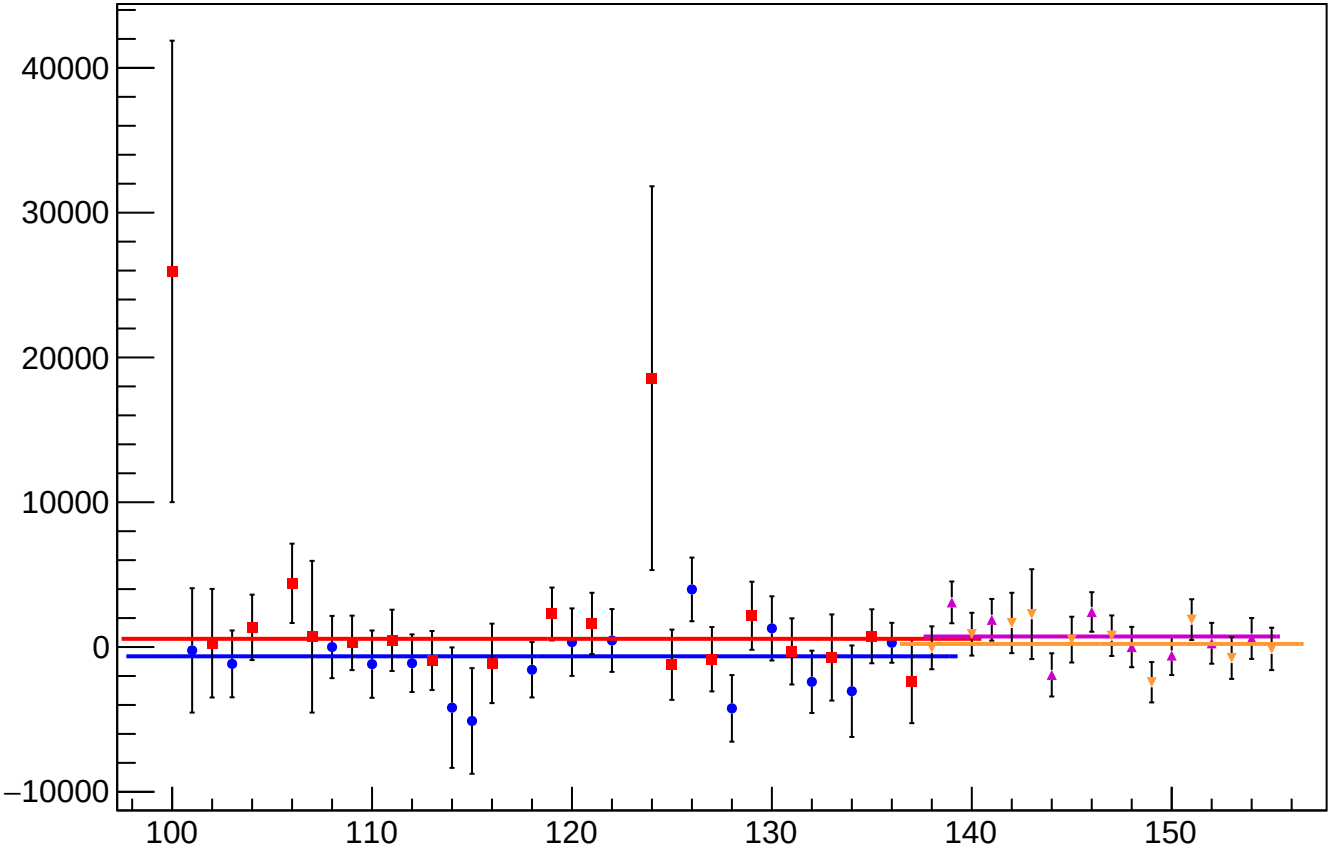
Left In: 335.415+/-0.092 χ^2/NDF:484305.4/7

+ sign 346.421+/-0.072 χ^2/NDF: 6642881.9/25

All: 349.940+/-0.051 χ^2/NDF: 11798494.1/52

- sign 353.577+/-0.073 χ^2/NDF: 5150710.7/26

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 214.900+/-492.580 χ^2/NDF:6.9/9

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

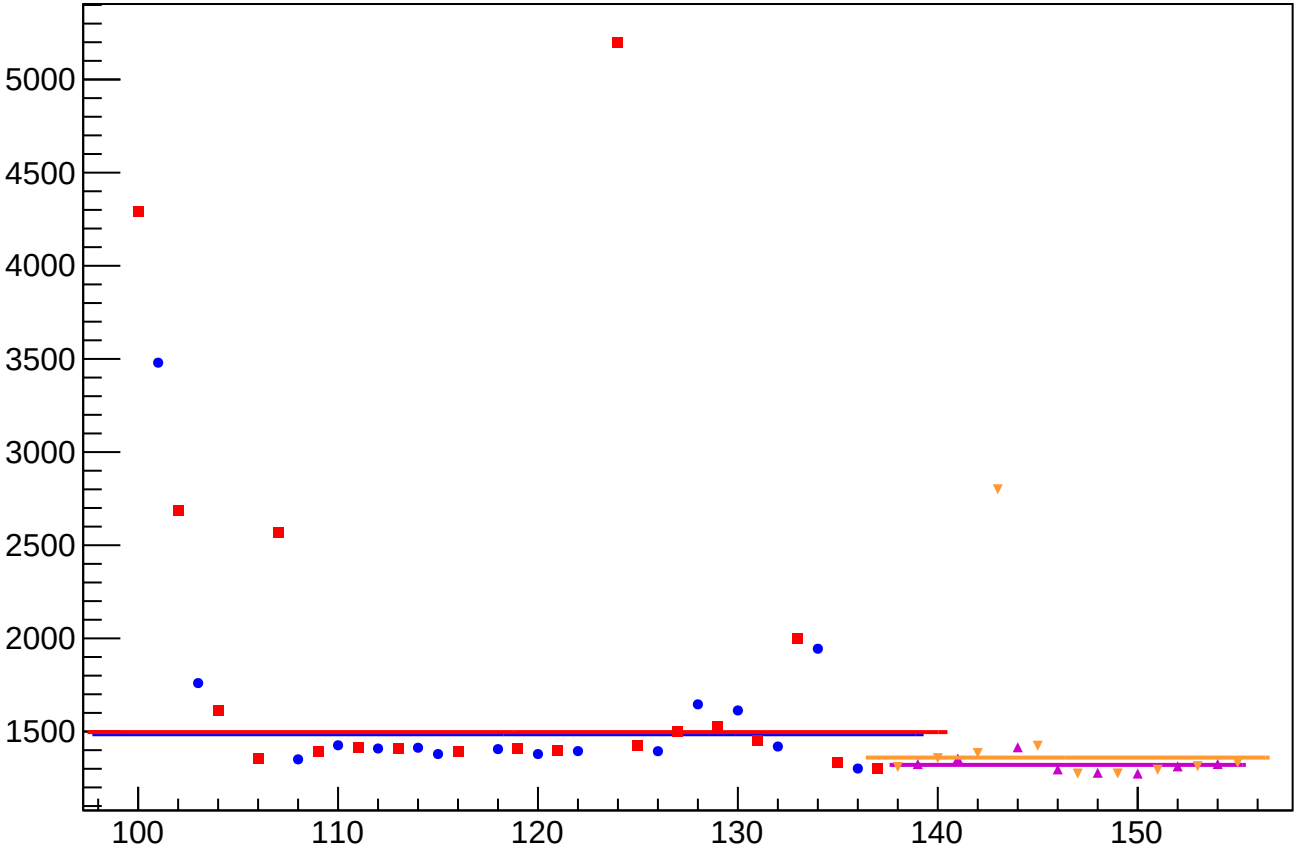
Left In: 728.016+/-498.792 χ^2/NDF:9.4/7

+ sign -155.110+/-371.108 χ^2/NDF: 20.7/25

All: 247.737+/-263.583 χ^2/NDF: 43.8/52

- sign 657.850+/-374.440 χ^2/NDF: 20.7/26

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1360.086+/-0.348 χ^2/NDF:458665.9/9

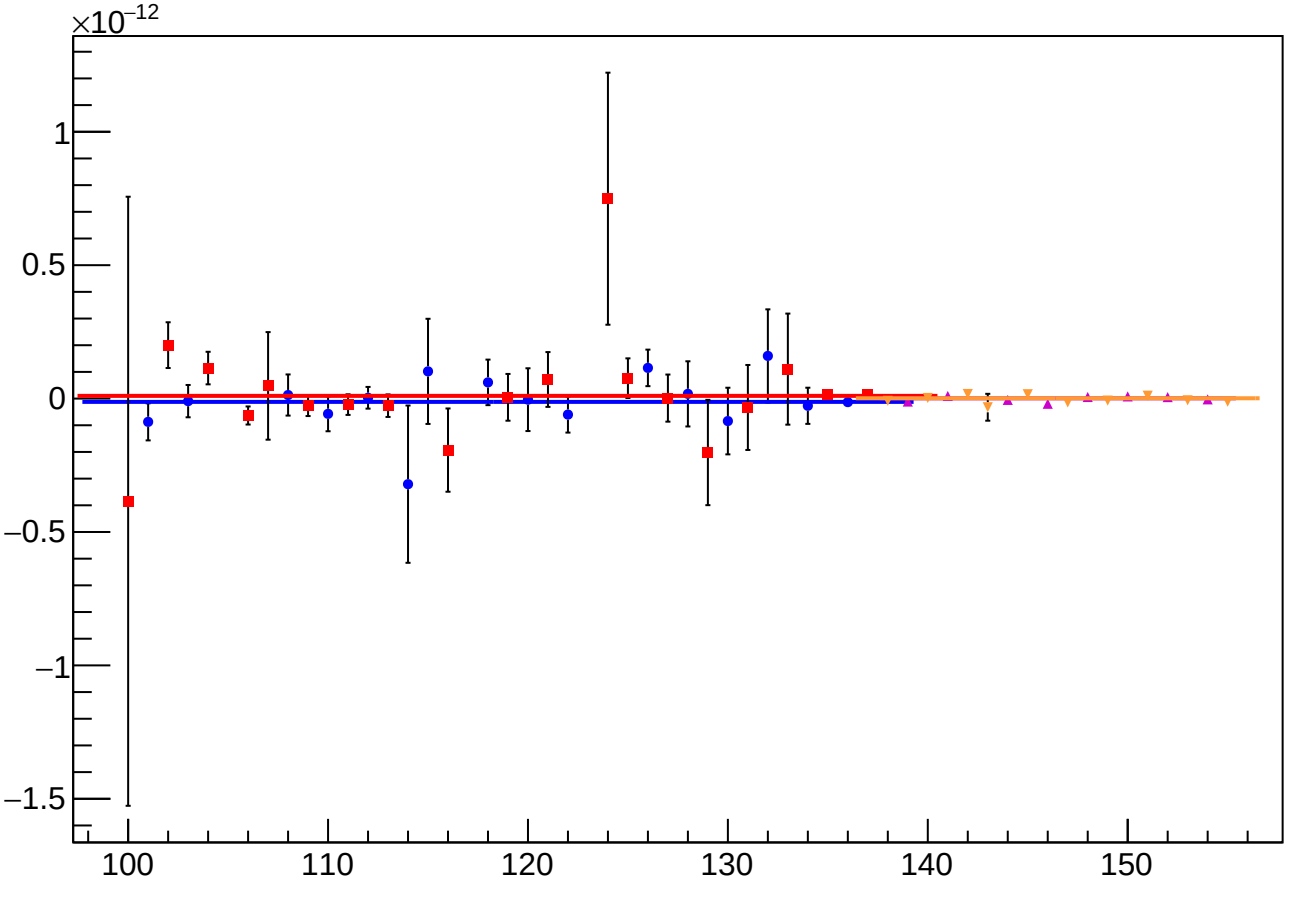
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.924+/-0.353 χ^2/NDF:14124.2/7

+ sign 1414.258+/-0.262 χ^2/NDF: 1099079.1/25

All: 1406.061+/-0.186 χ^2/NDF: 1847075.6/52

- sign 1397.716+/-0.265 χ^2/NDF: 746027.3/26



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/9

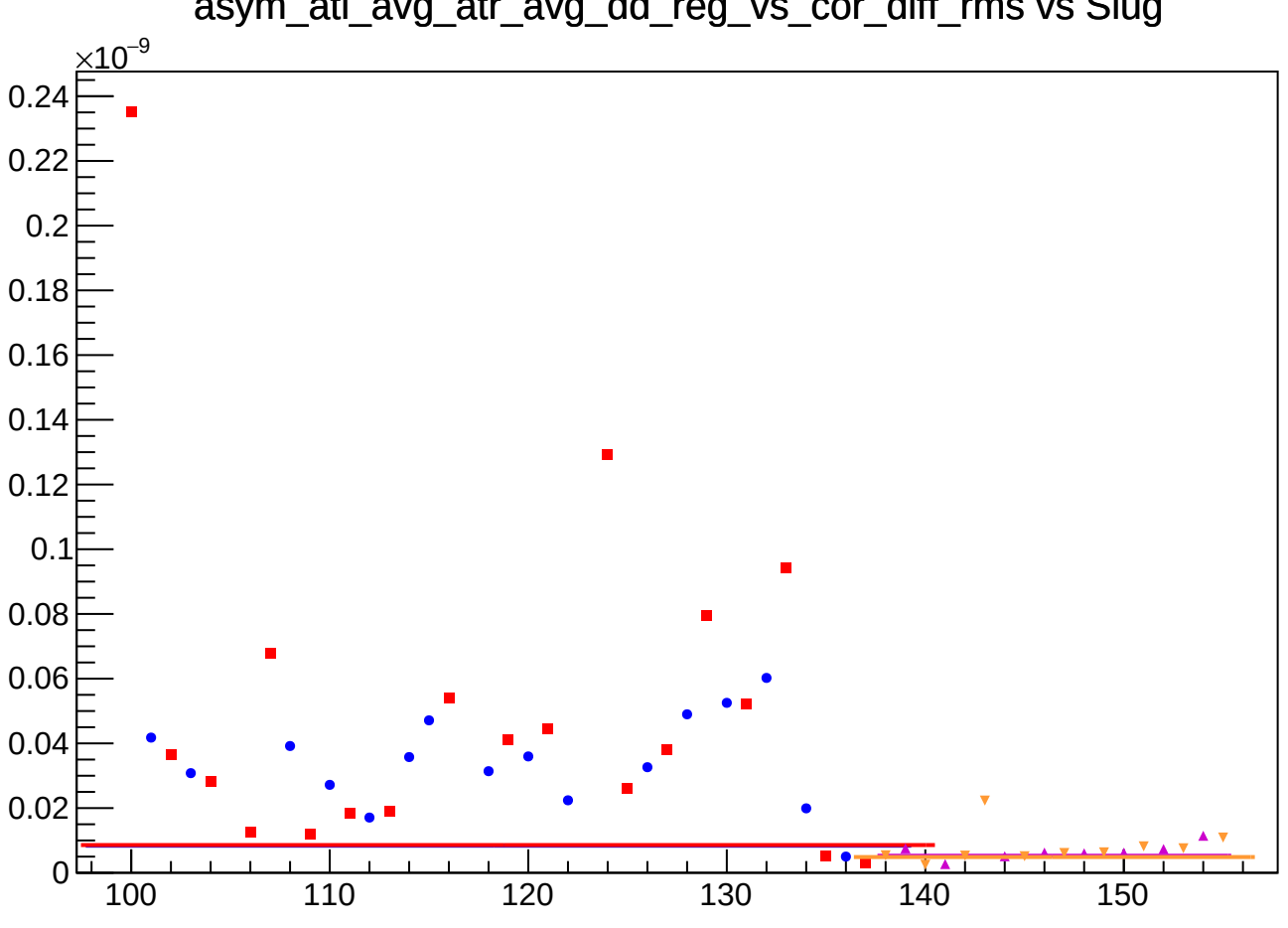
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/25

All: 0.000+/-0.000 χ^2/NDF: 56.0/52

- sign 0.000+/-0.000 χ^2/NDF: 32.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1252627.8/9

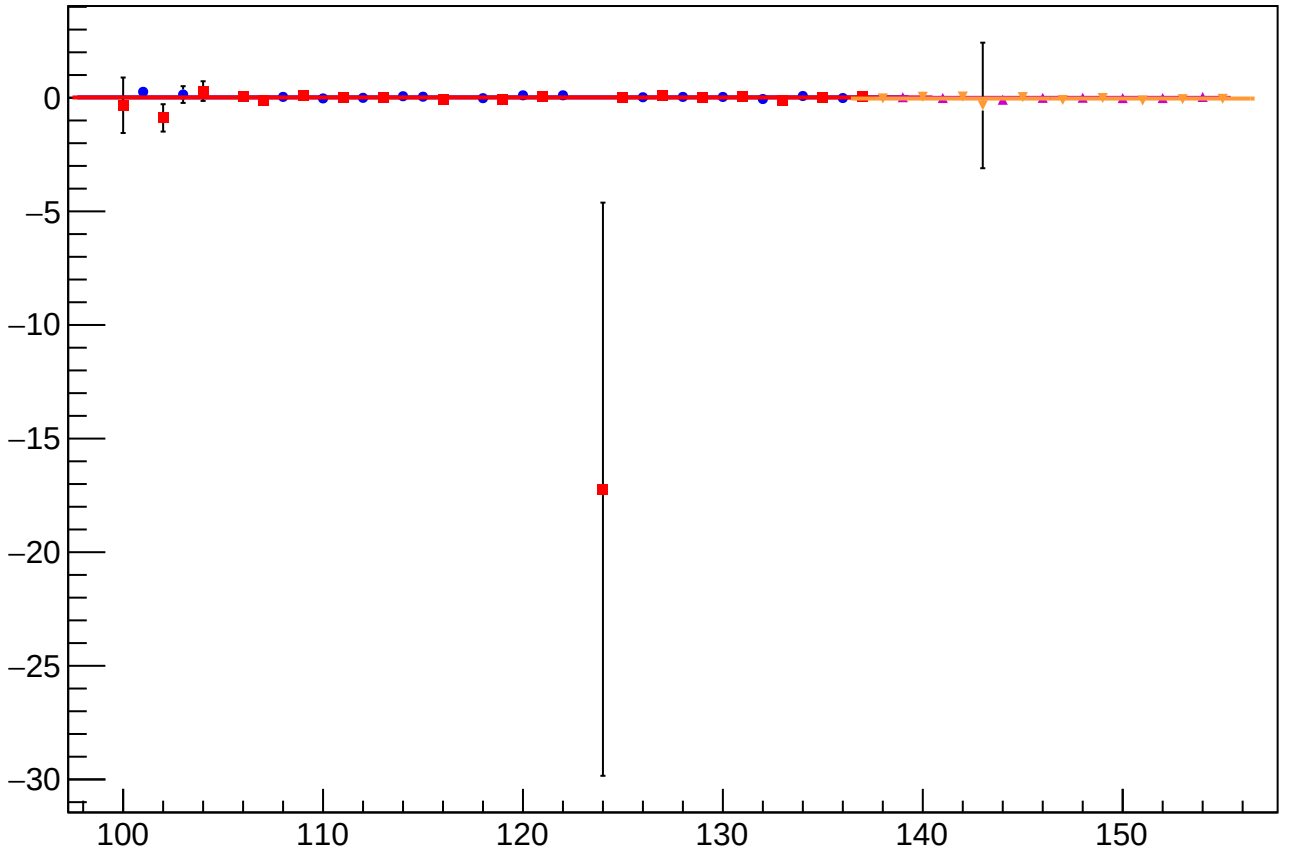
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:810675.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 4694060.8/25

All: 0.000+/-0.000 χ^2/NDF: 9159904.8/52

- sign 0.000+/-0.000 χ^2/NDF: 4448701.5/26



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

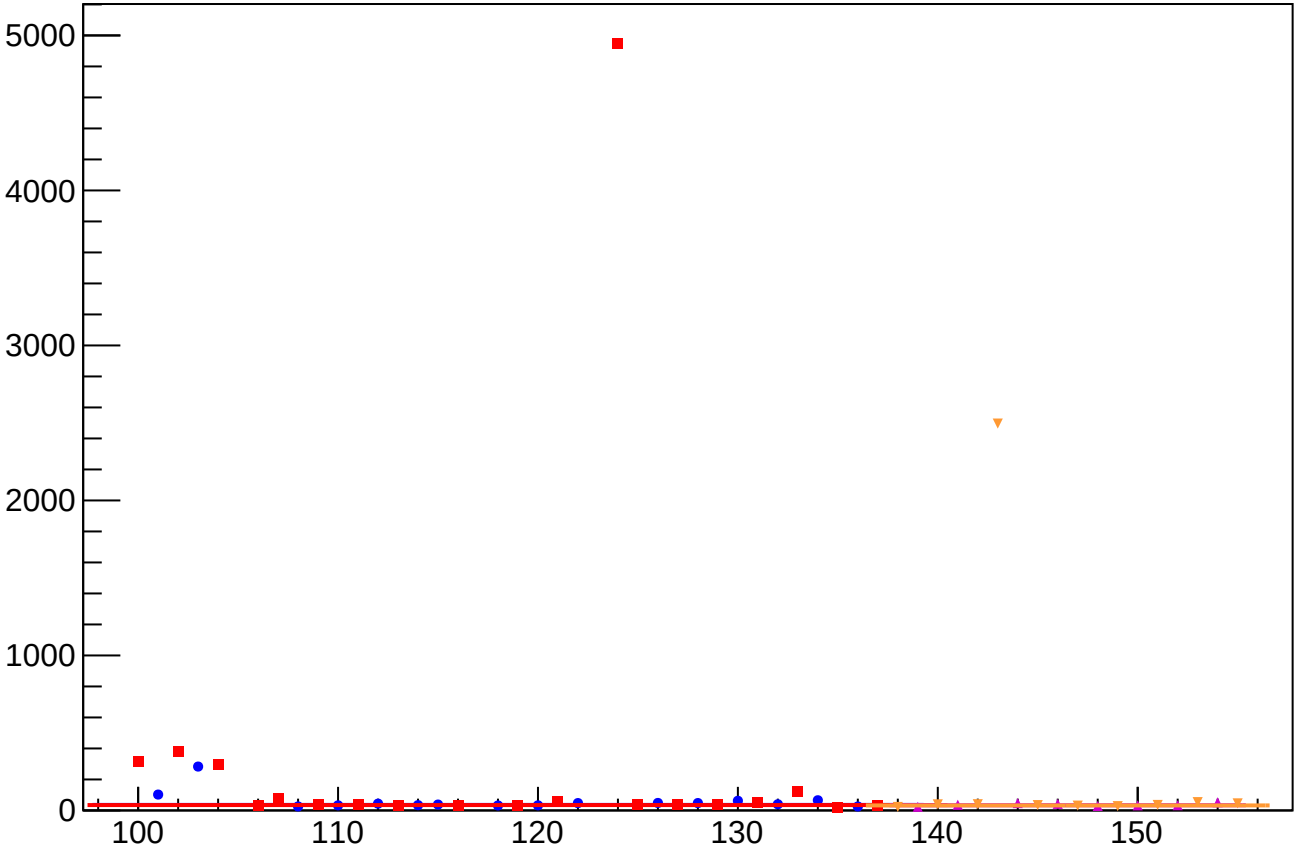
Left In: -0.004+/-0.014 χ^2/NDF:4.0/7

+ sign -0.012+/-0.010 χ^2/NDF: 33.1/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/52

- sign 0.004+/-0.010 χ^2/NDF: 20.8/26

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.503+/-0.010 χ^2/NDF:2349928.5/9

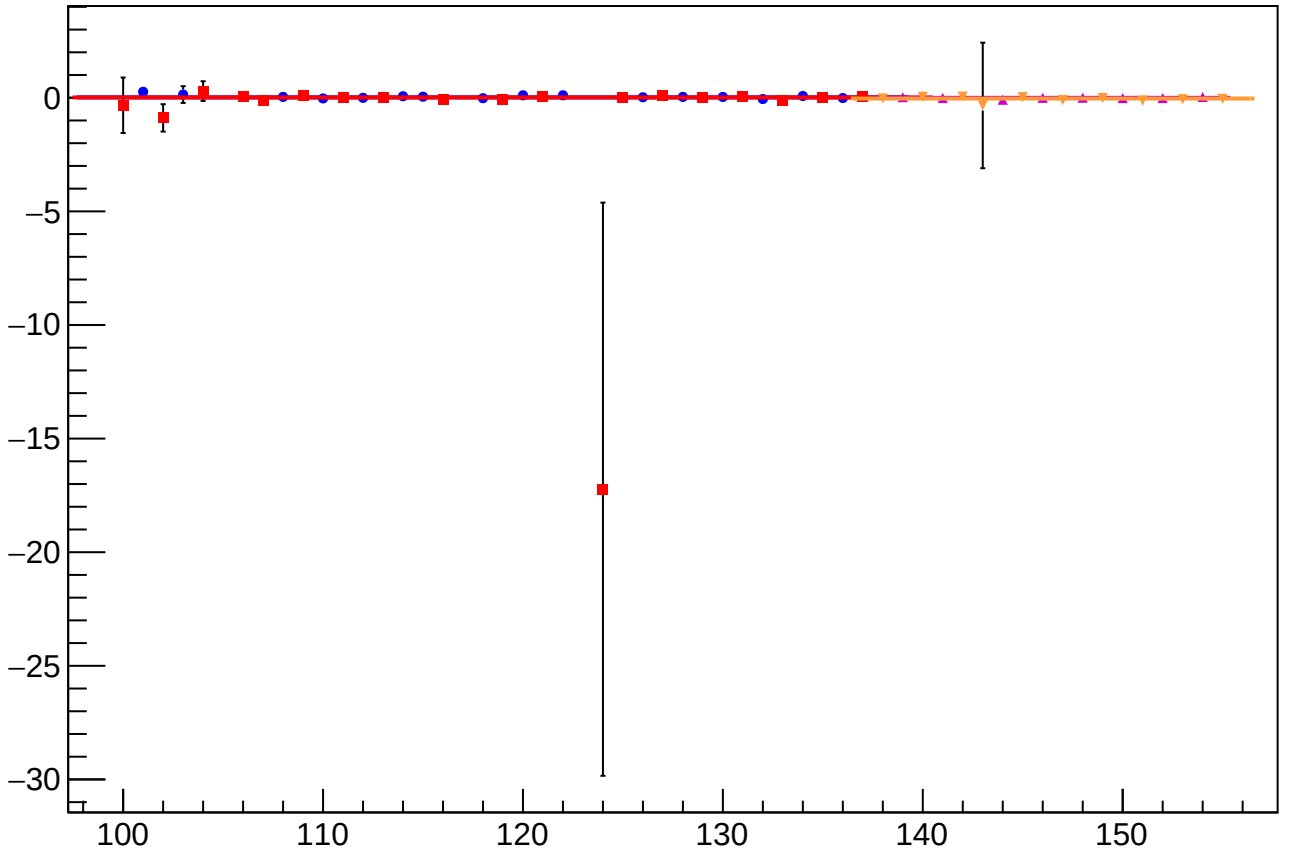
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.711+/-0.010 χ^2/NDF:717419.2/7

+ sign 33.906+/-0.007 χ^2/NDF: 4664564.5/25

All: 34.048+/-0.005 χ^2/NDF: 8302246.5/52

- sign 34.199+/-0.007 χ^2/NDF: 3636877.1/26



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.035+/-0.014 χ^2/NDF:15.3/9

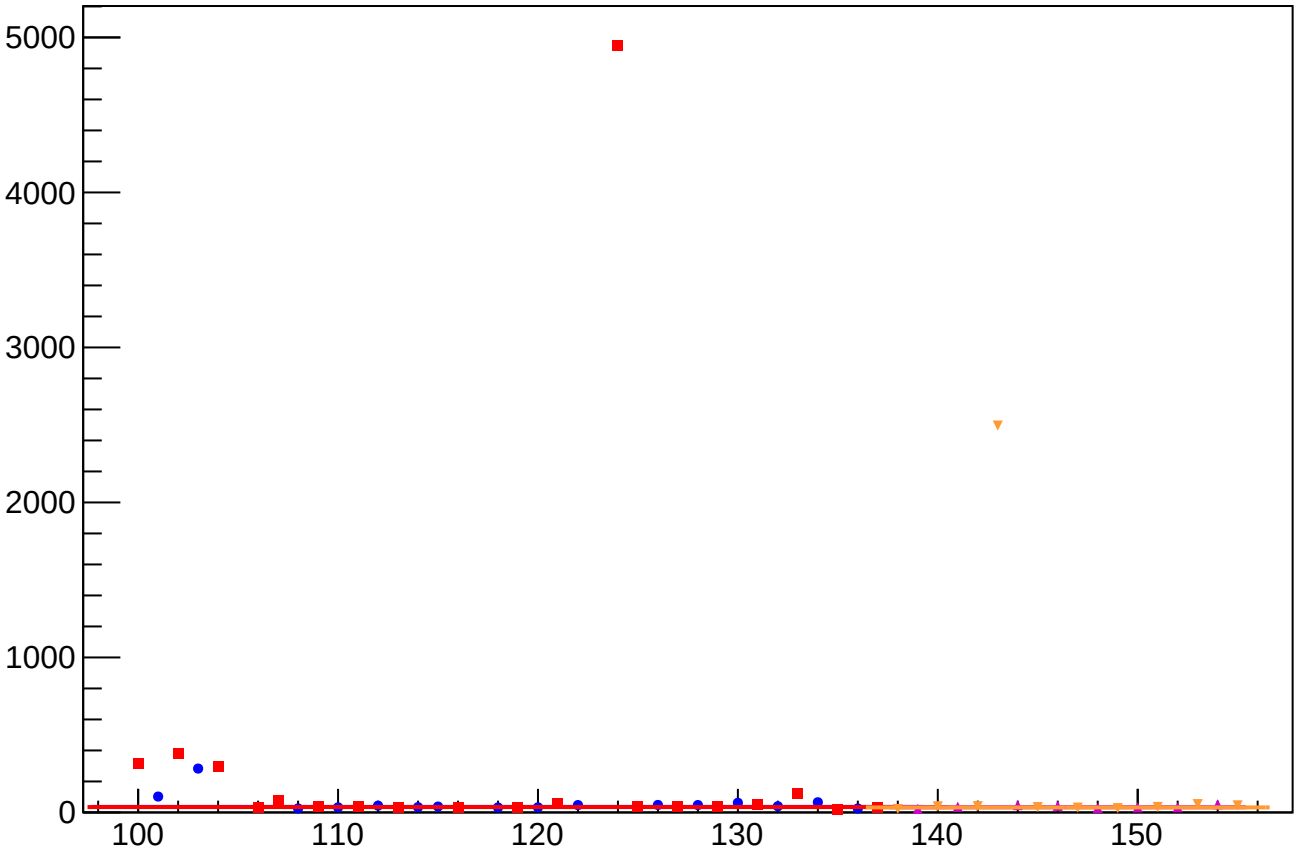
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.014 χ^2/NDF:4.0/7

+ sign -0.012+/-0.010 χ^2/NDF: 33.1/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/52

- sign 0.004+/-0.010 χ^2/NDF: 20.8/26



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.503+/-0.010 χ^2/NDF:2349928.5/9

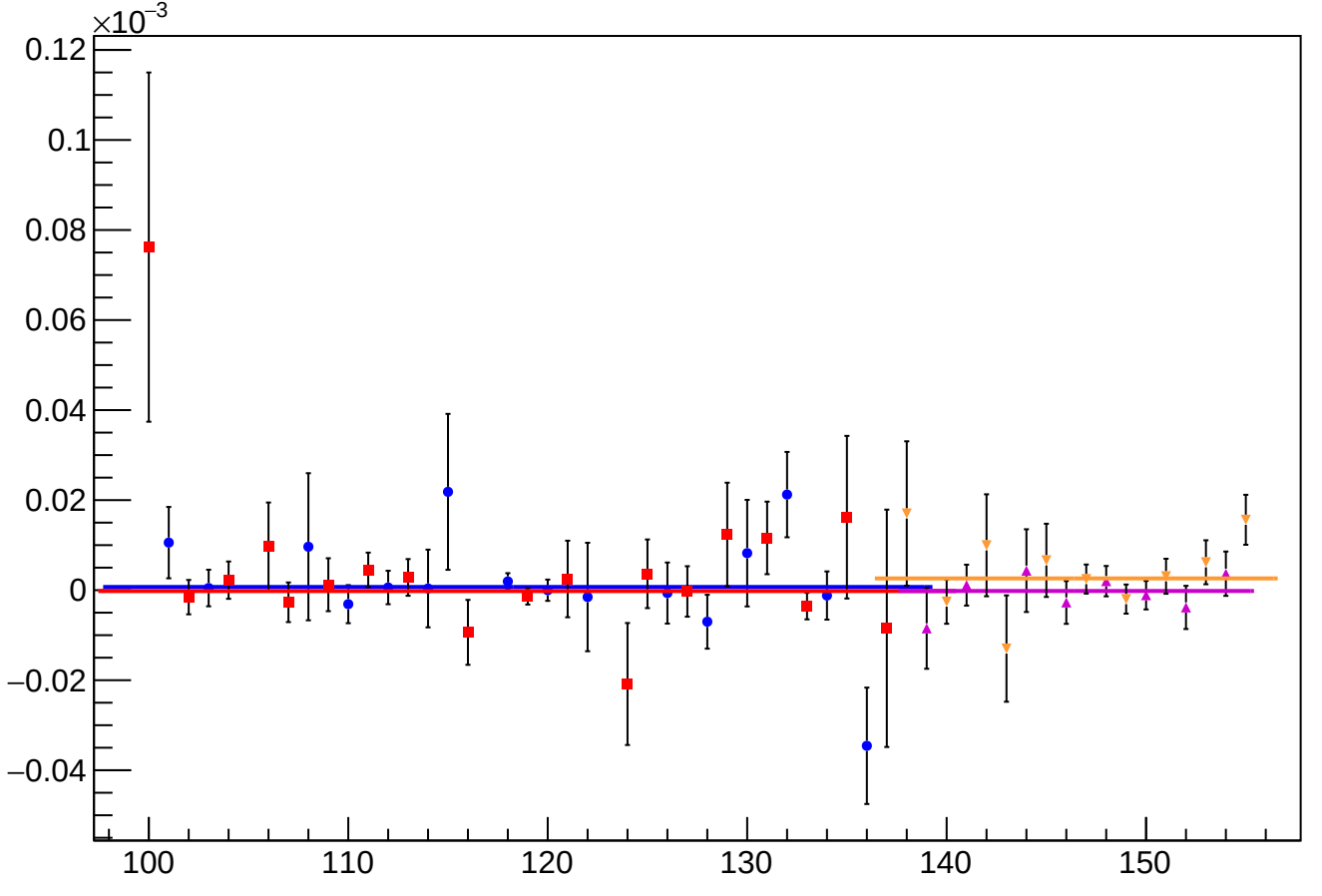
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.711+/-0.010 χ^2/NDF:717419.2/7

+ sign 33.906+/-0.007 χ^2/NDF: 4664564.5/25

All: 34.048+/-0.005 χ^2/NDF: 8302246.5/52

- sign 34.199+/-0.007 χ^2/NDF: 3636877.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/9

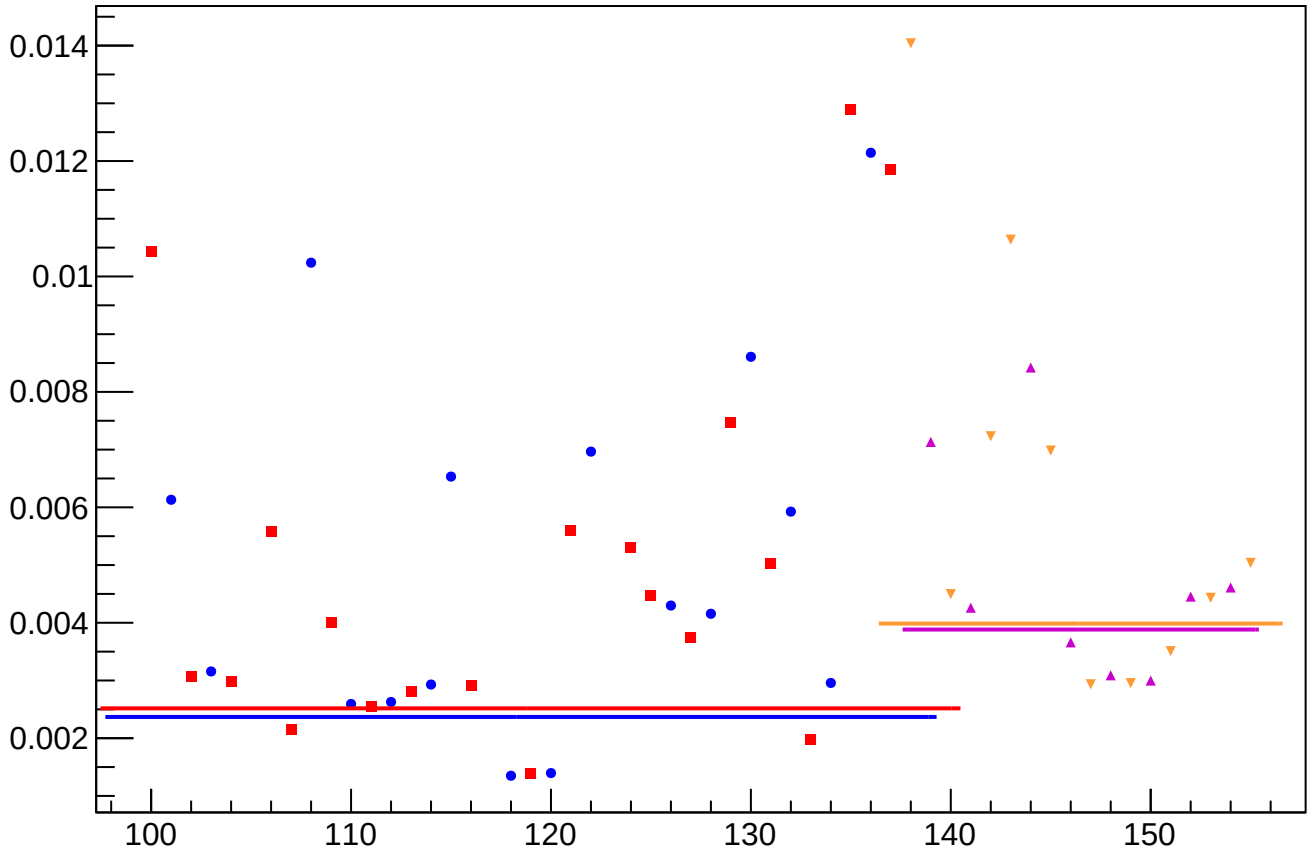
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/25

All: 0.000+/-0.000 χ^2/NDF: 55.2/52

- sign -0.000+/-0.000 χ^2/NDF: 21.2/26



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2413689.4/9

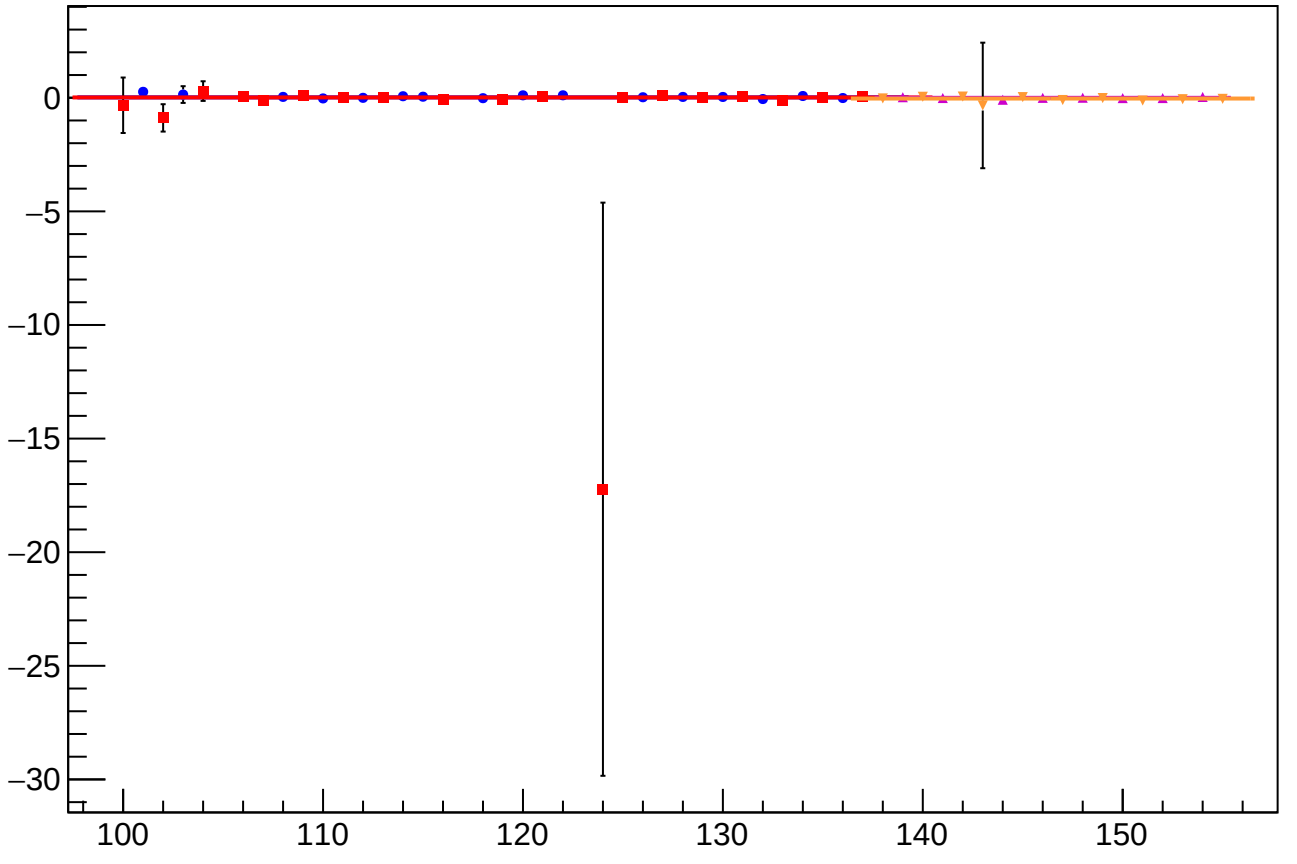
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1107084.4/7

+ sign 0.003+/-0.000 χ^2/NDF: 8559603.8/25

All: 0.003+/-0.000 χ^2/NDF: 14071886.1/52

- sign 0.003+/-0.000 χ^2/NDF: 5511292.6/26



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.035+/-0.014 χ^2/NDF:15.3/9

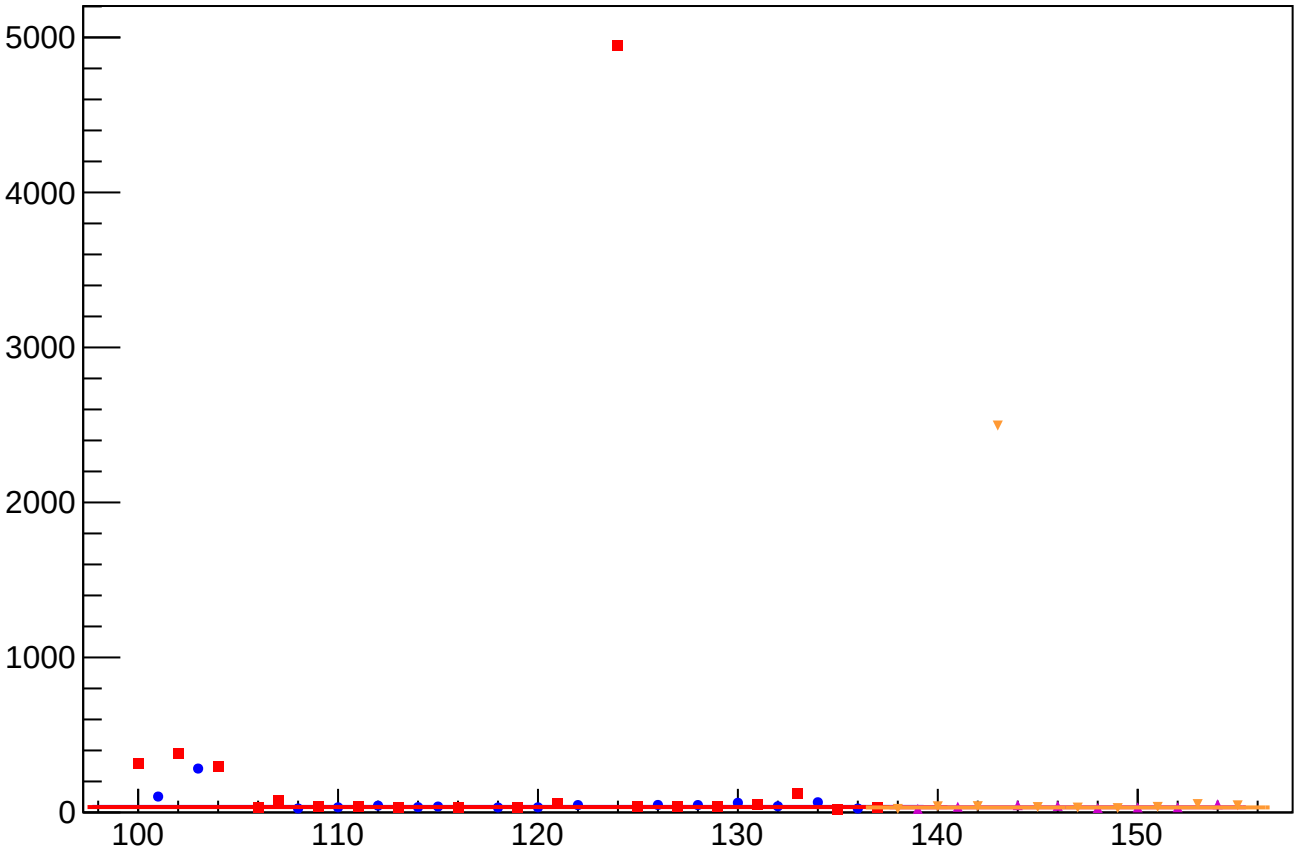
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.014 χ^2/NDF:4.0/7

+ sign -0.012+/-0.010 χ^2/NDF: 33.0/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/52

- sign 0.004+/-0.010 χ^2/NDF: 20.8/26



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.503+/-0.010 χ^2/NDF:2350188.4/9

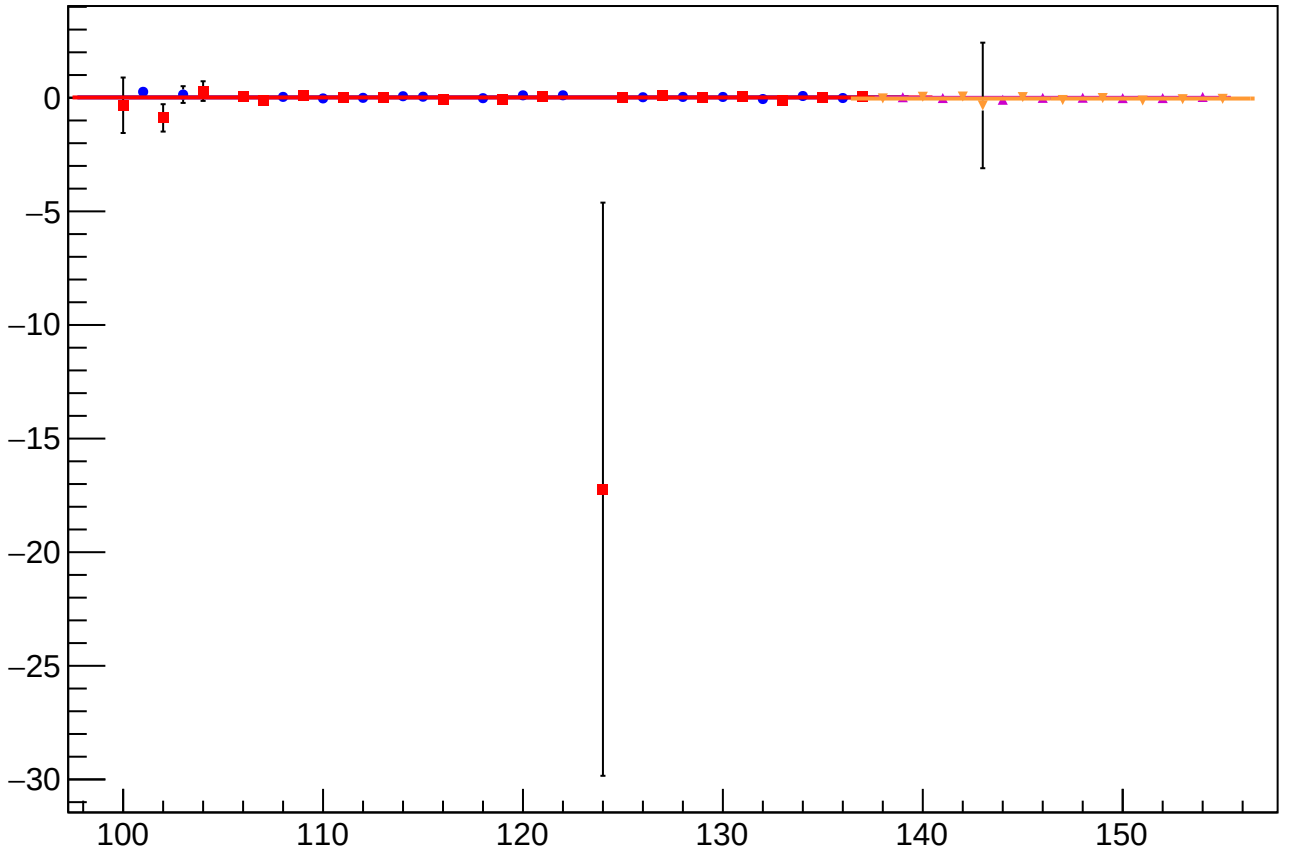
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.709+/-0.010 χ^2/NDF:717819.4/7

\+ sign 33.906+/-0.007 χ^2/NDF: 4664597.5/25

All: 34.048+/-0.005 χ^2/NDF: 8302527.6/52

\- sign 34.198+/-0.007 χ^2/NDF: 3637132.4/26



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

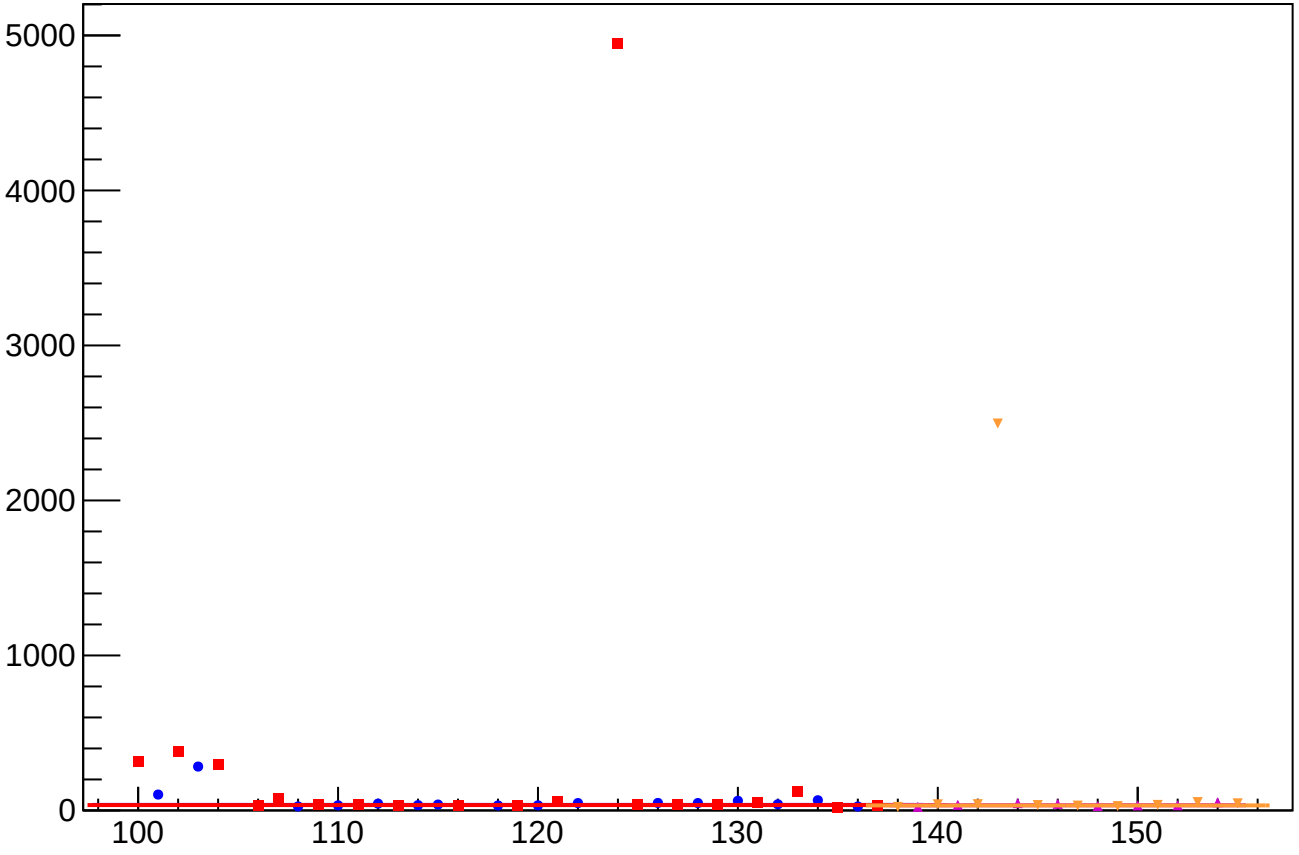
Left In: -0.004+/-0.014 χ^2/NDF:4.0/7

+ sign -0.012+/-0.010 χ^2/NDF: 33.0/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/52

- sign 0.004+/-0.010 χ^2/NDF: 20.8/26

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.503+/-0.010 χ^2/NDF:2350188.4/9

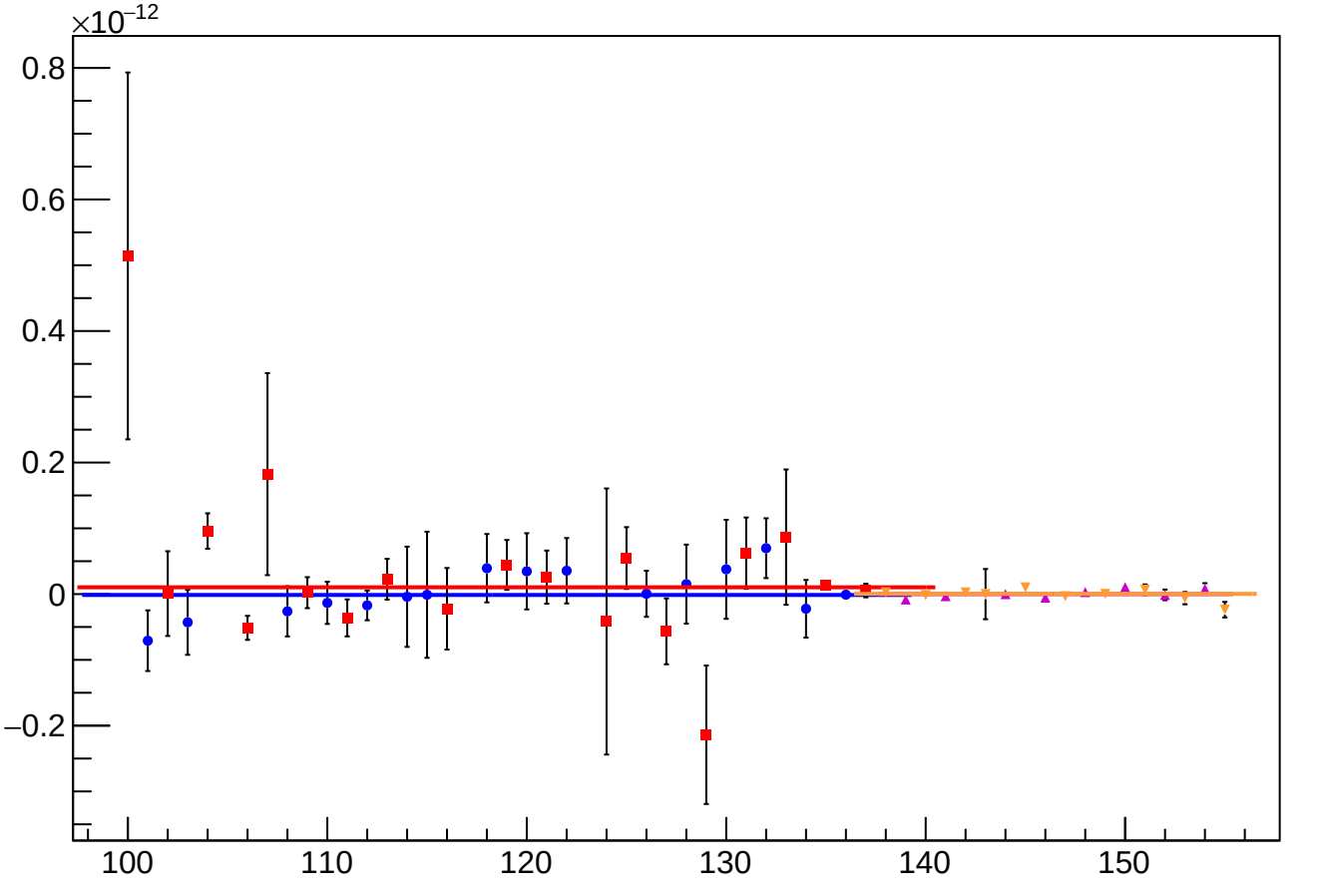
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.709+/-0.010 χ^2/NDF:717819.4/7

+ sign 33.906+/-0.007 χ^2/NDF: 4664597.5/25

All: 34.048+/-0.005 χ^2/NDF: 8302527.6/52

- sign 34.198+/-0.007 χ^2/NDF: 3637132.4/26



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/9

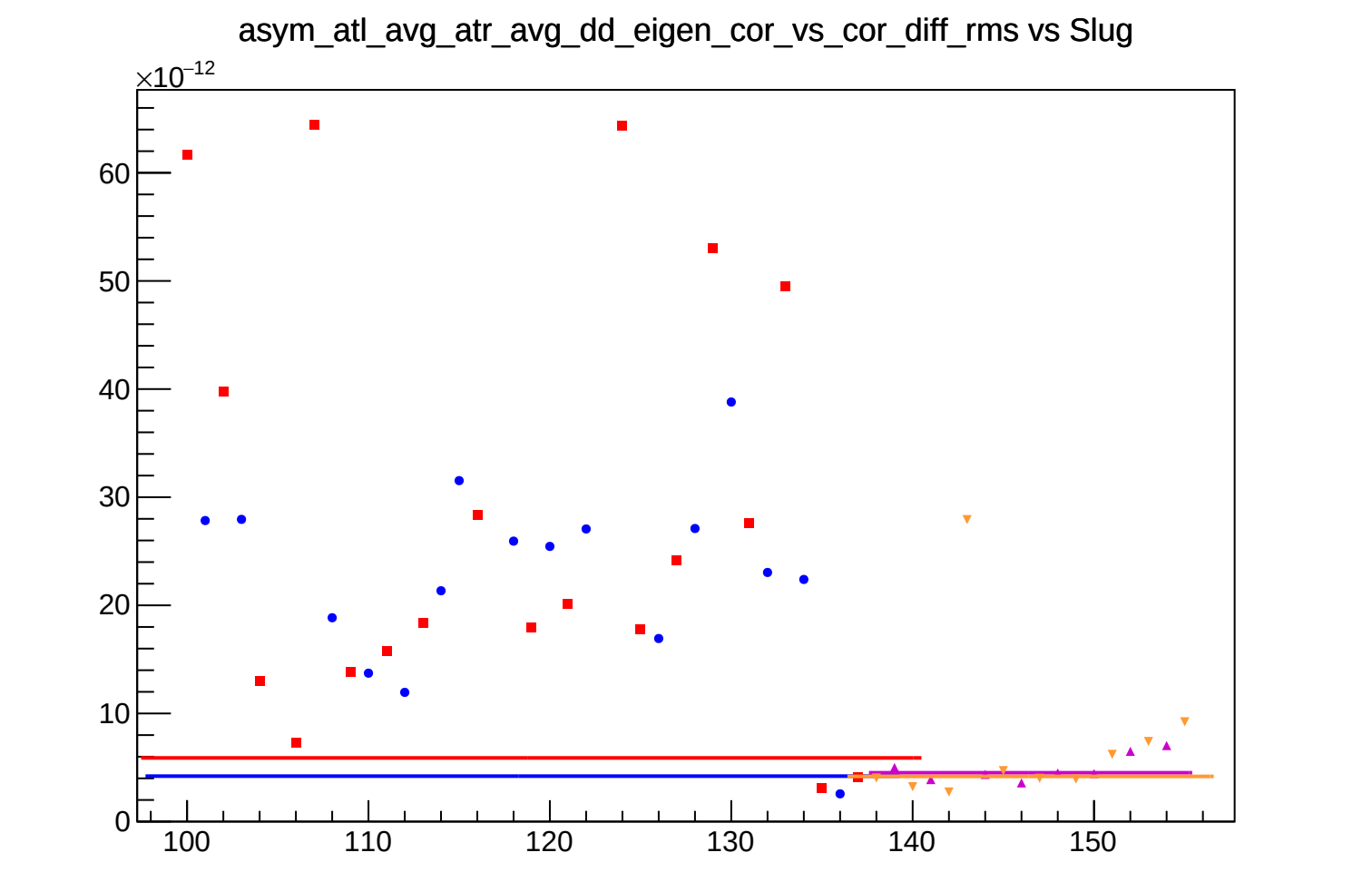
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 17.4/25

All: 0.000+/-0.000 χ^2/NDF: 71.2/52

- sign 0.000+/-0.000 χ^2/NDF: 53.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1800624.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

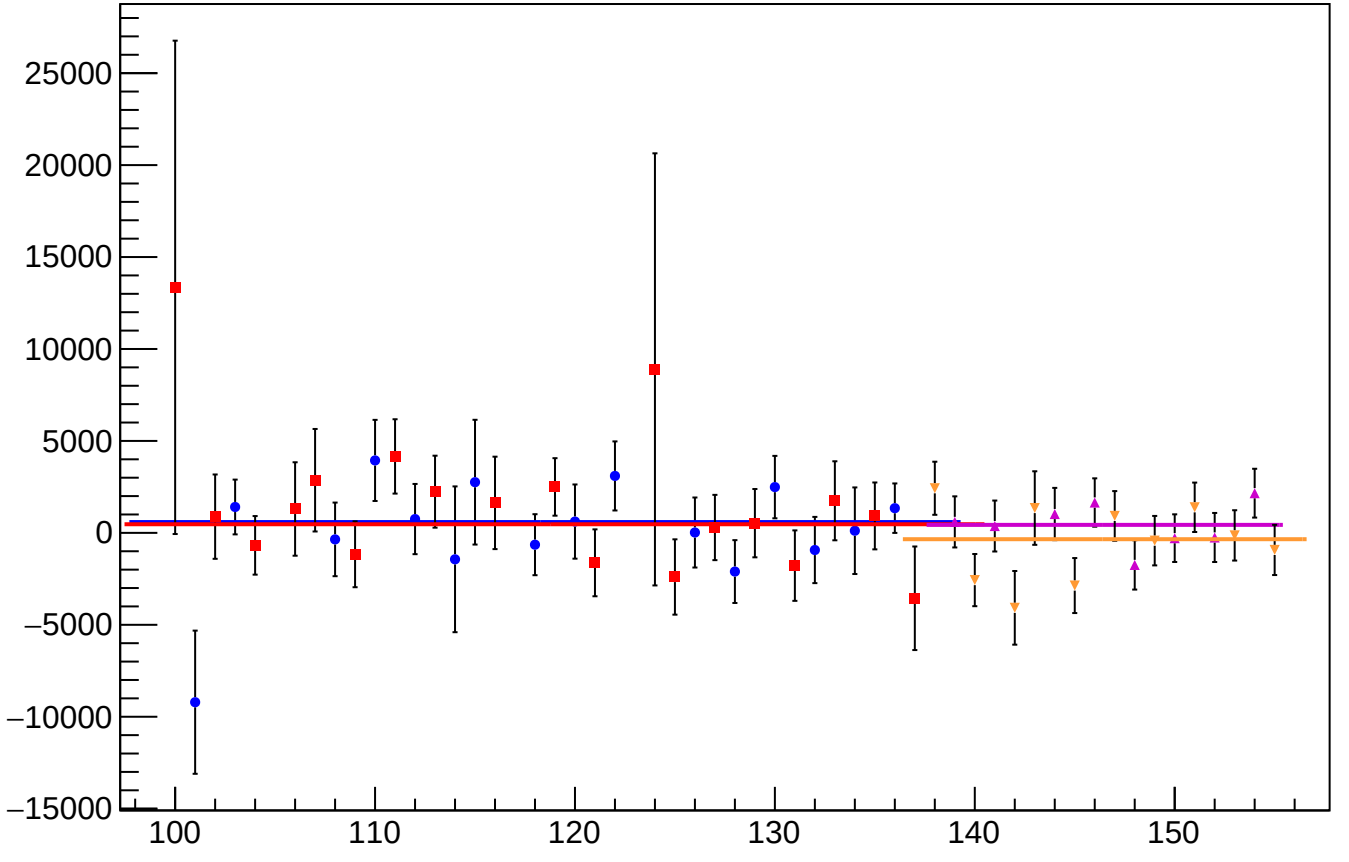
Left In: 0.000+/-0.000 χ^2/NDF:426609.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 6880920.0/25

All: 0.000+/-0.000 χ^2/NDF: 12456642.4/52

- sign 0.000+/-0.000 χ^2/NDF: 5461065.4/26

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -344.515+/-463.806 χ^2/NDF:15.9/9

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

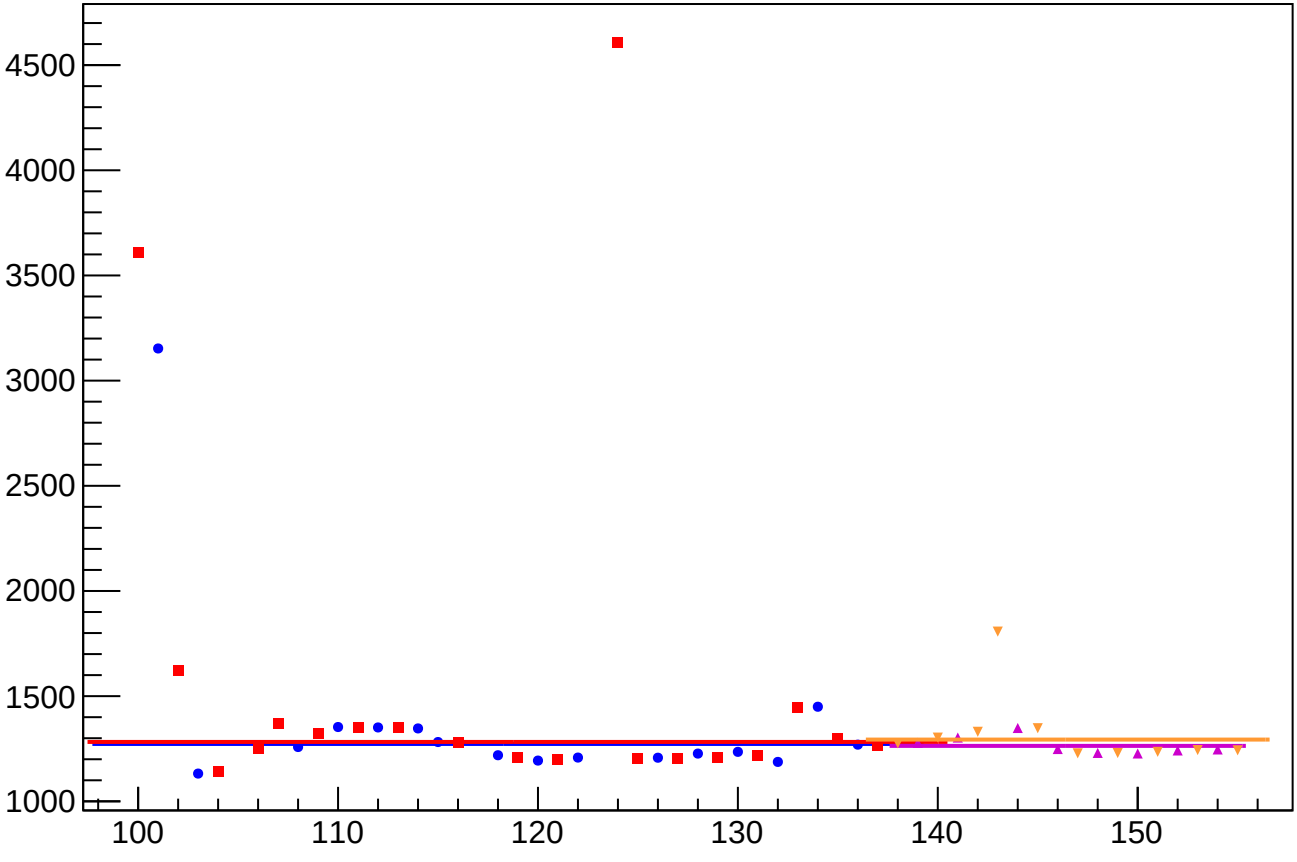
Left In: 434.547+/-477.096 χ^2/NDF:5.9/7

\+ sign 102.880+/-334.352 χ^2/NDF: 34.9/25

All: 275.087+/-237.896 χ^2/NDF: 58.3/52

\- sign 451.656+/-338.560 χ^2/NDF: 22.8/26

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

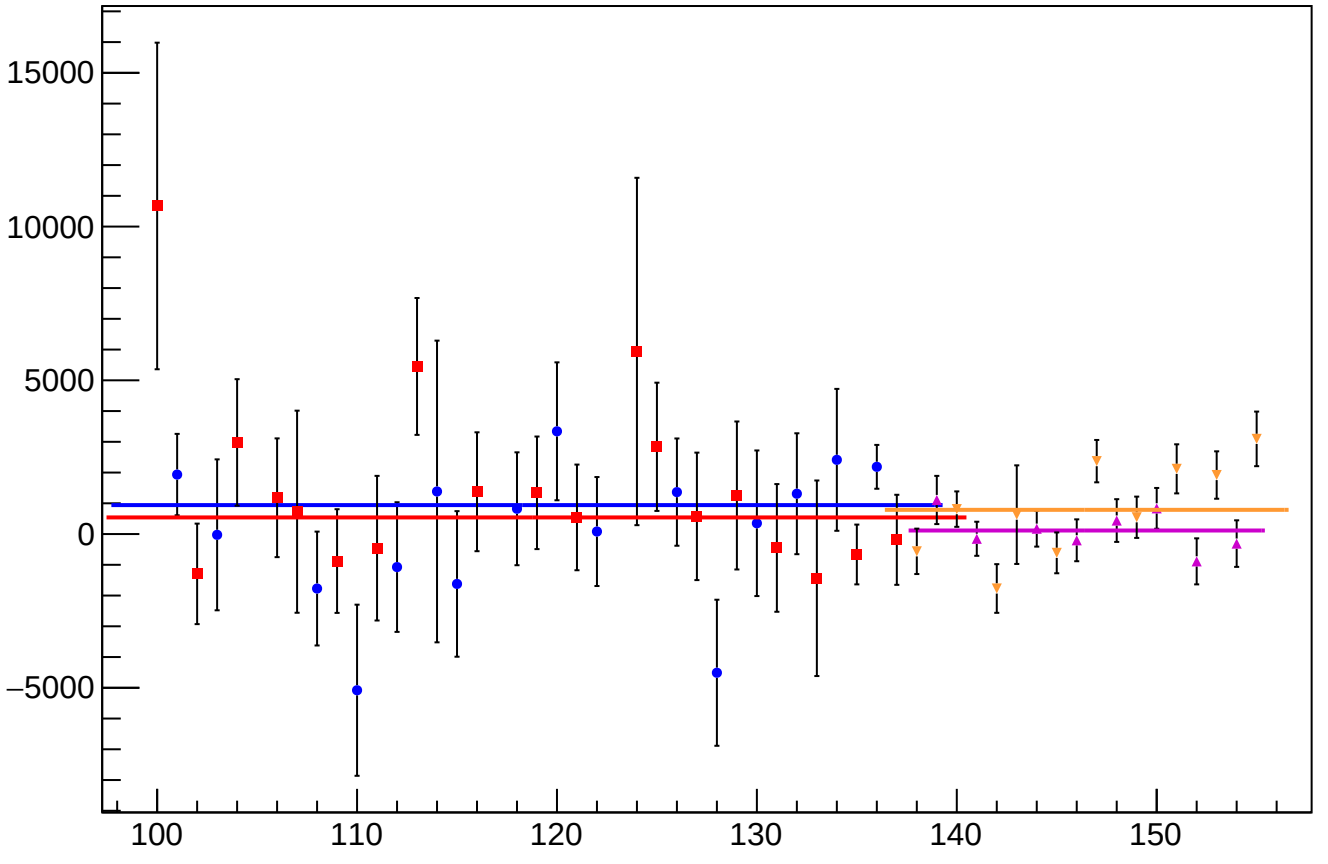
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

+ sign 1283.580+/-0.236 χ^2/NDF: 675085.8/25

All: 1278.314+/-0.168 χ^2/NDF: 1012644.3/52

- sign 1272.914+/-0.239 χ^2/NDF: 336553.6/26



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 787.477+/-236.066 χ^2/NDF:35.4/9

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

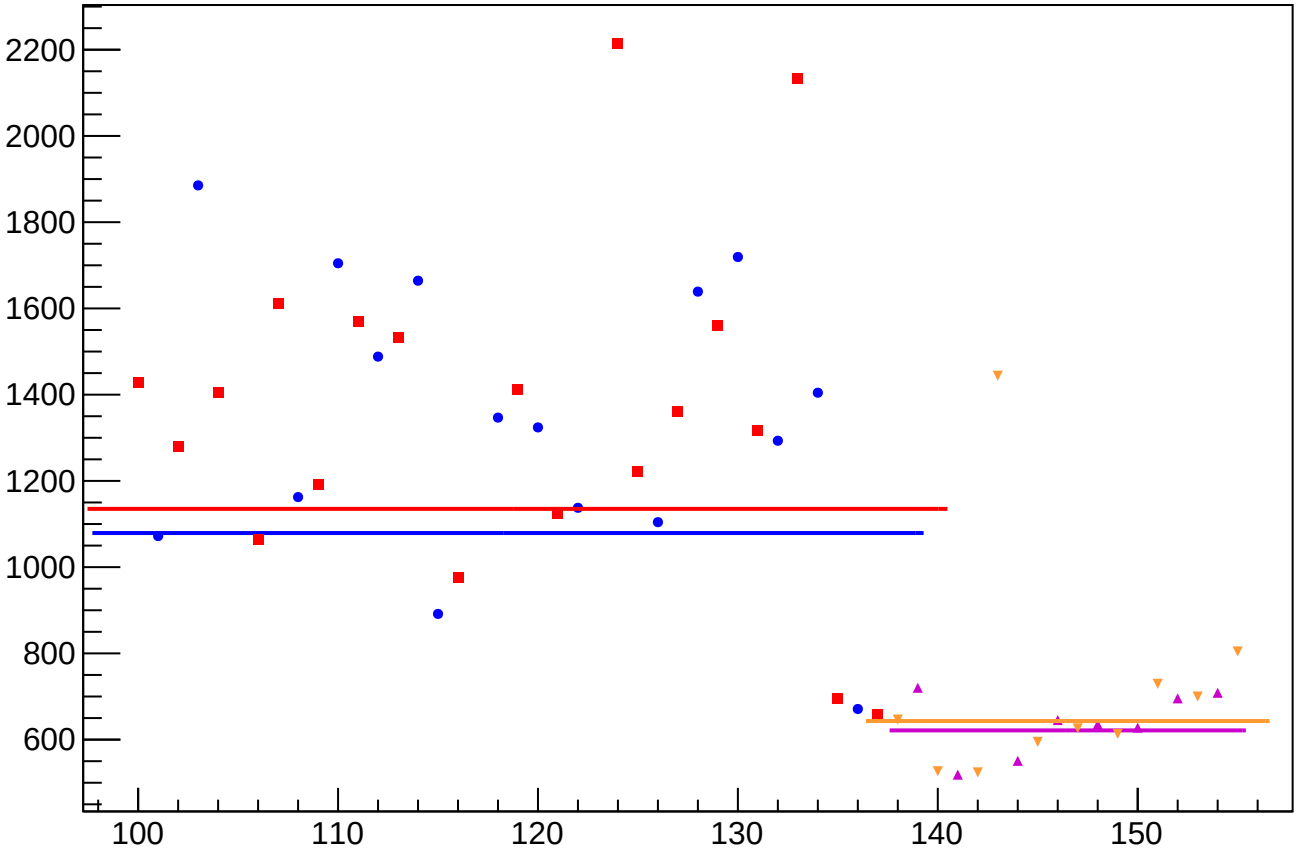
Left In: 115.529+/-236.661 χ^2/NDF:5.6/7

+ sign 823.744+/-206.463 χ^2/NDF: 55.4/25

All: 520.227+/-146.677 χ^2/NDF: 83.2/52

- sign 210.946+/-208.415 χ^2/NDF: 23.5/26

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: 643.162+/-0.167 χ^2/NDF:741641.0/9

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

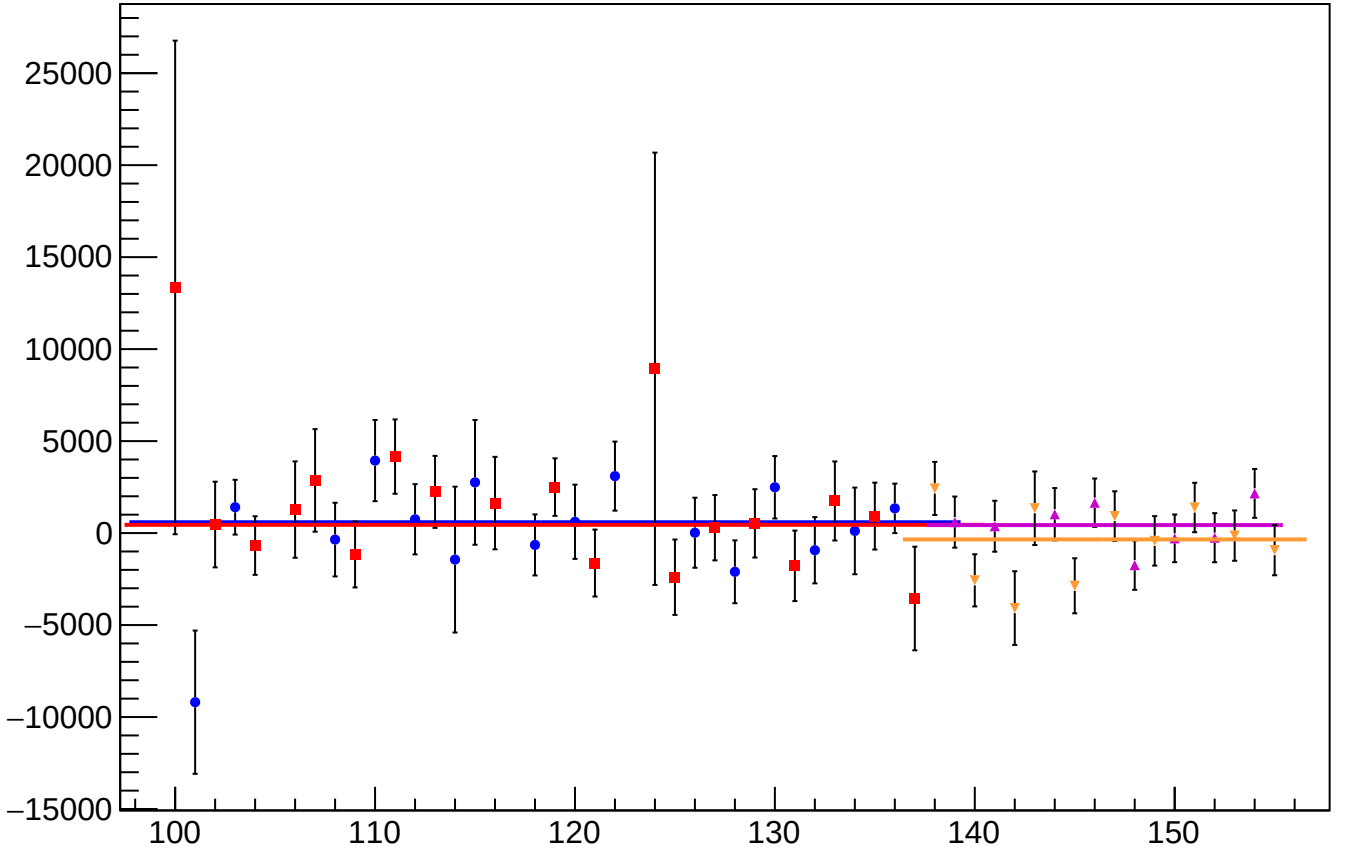
Left In: 621.409+/-0.167 χ^2/NDF:179519.1/7

\+ sign 745.643+/-0.146 χ^2/NDF: 3827317.8/25

All: 741.226+/-0.104 χ^2/NDF: 7417320.9/52

\- sign 736.725+/-0.147 χ^2/NDF: 3588155.2/26

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -344.596+/-463.806 χ^2/NDF:15.9/9

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

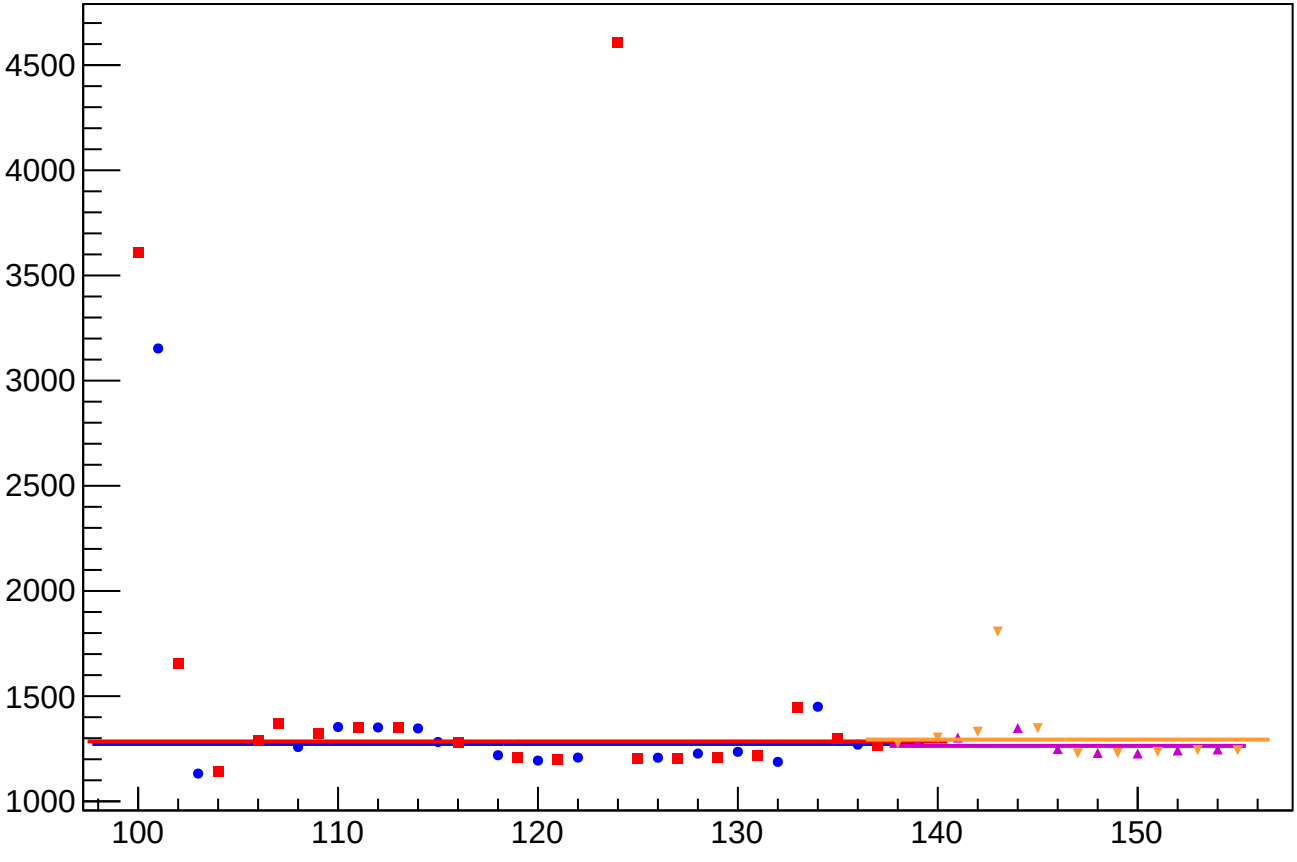
Left In: 434.553+/-477.096 χ^2/NDF:5.9/7

+ sign 102.992+/-334.352 χ^2/NDF: 34.9/25

All: 269.947+/-237.995 χ^2/NDF: 58.2/52

- sign 441.421+/-338.846 χ^2/NDF: 22.8/26

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

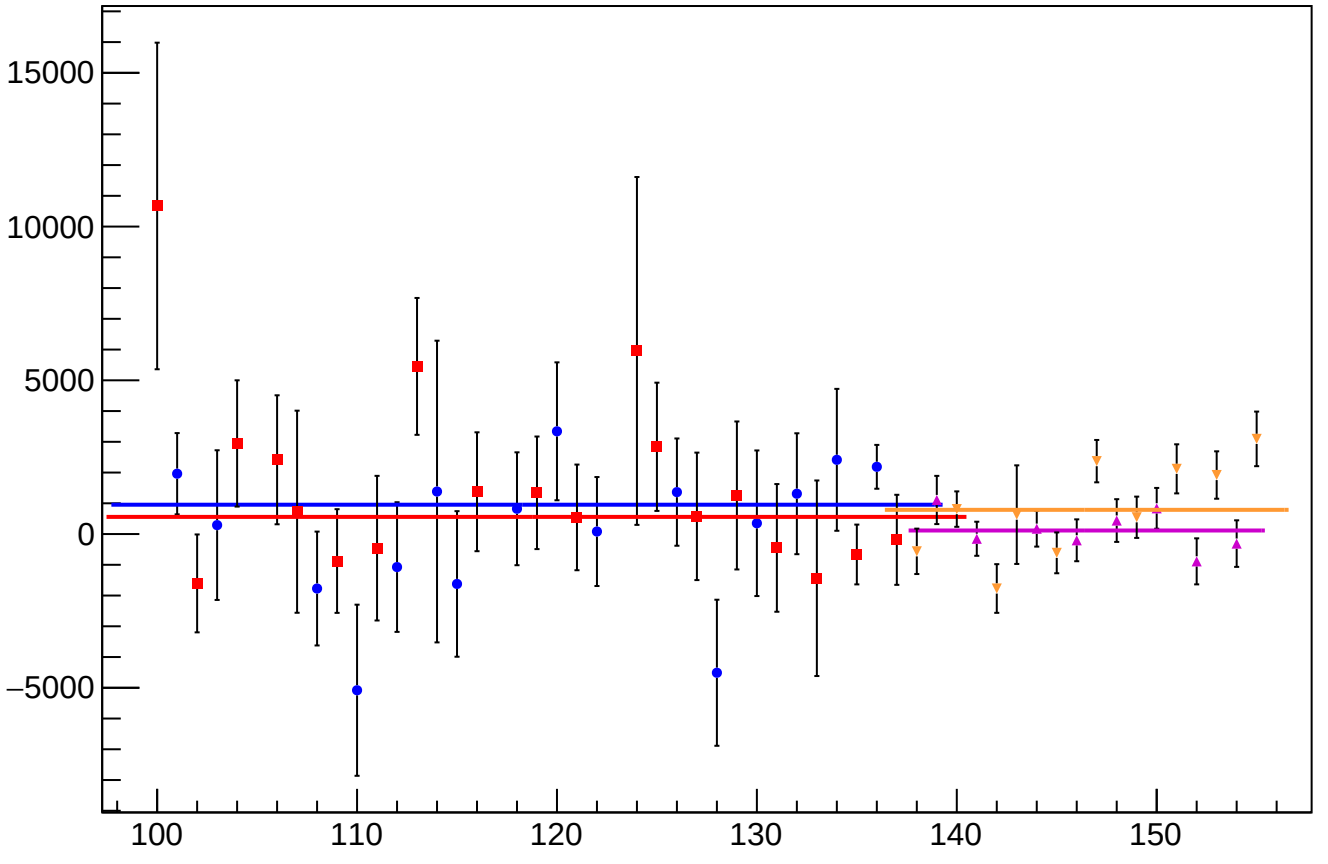
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

+ sign 1283.580+/-0.236 χ^2/NDF: 675087.2/25

All: 1278.870+/-0.168 χ^2/NDF: 1019496.0/52

- sign 1274.033+/-0.240 χ^2/NDF: 343604.3/26



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 787.460+/-236.068 χ^2/NDF:35.4/9

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

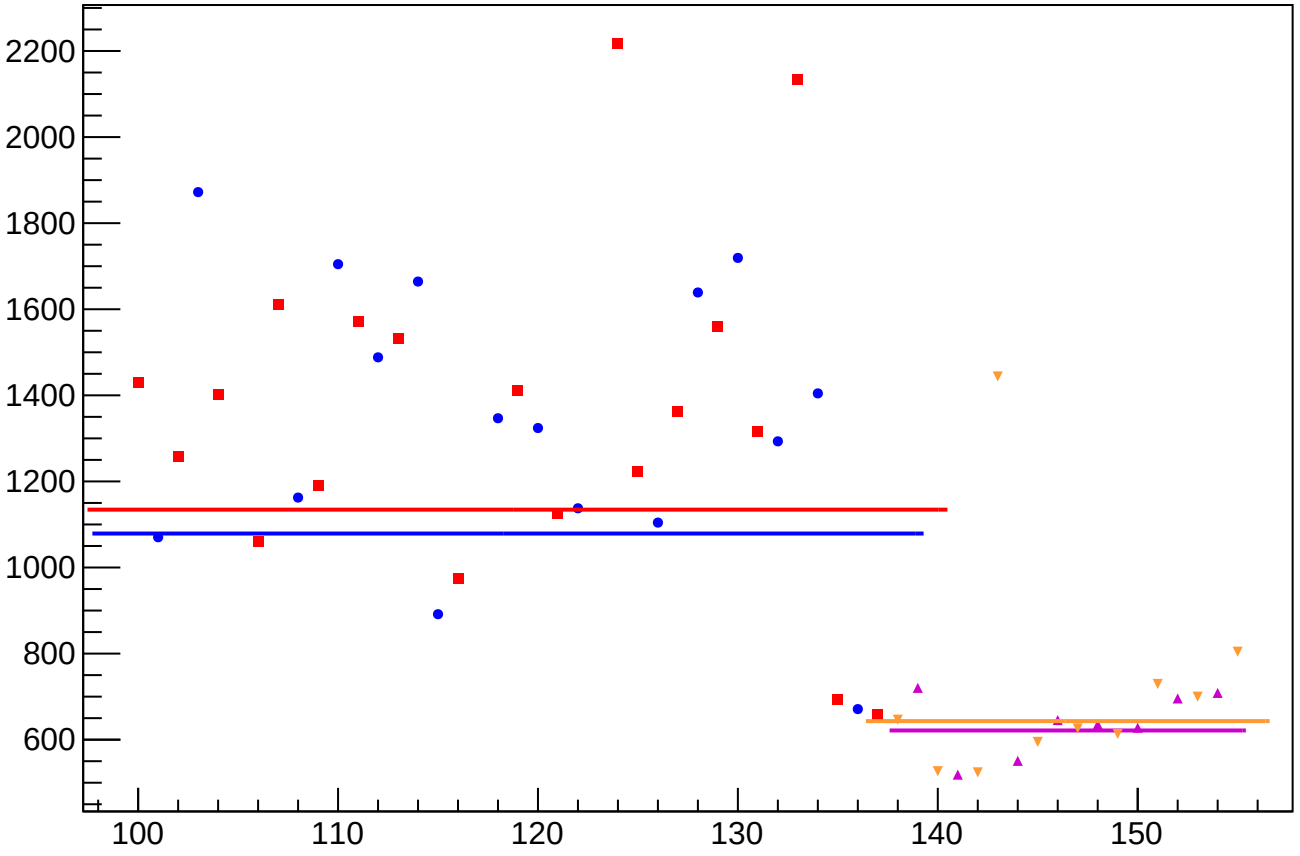
Left In: 115.574+/-236.658 χ^2/NDF:5.6/7

\+ sign 826.669+/-206.445 χ^2/NDF: 55.3/25

All: 523.655+/-146.701 χ^2/NDF: 84.4/52

\- sign 214.567+/-208.504 χ^2/NDF: 24.7/26

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 643.170+/-0.167 χ^2/NDF:741550.9/9

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

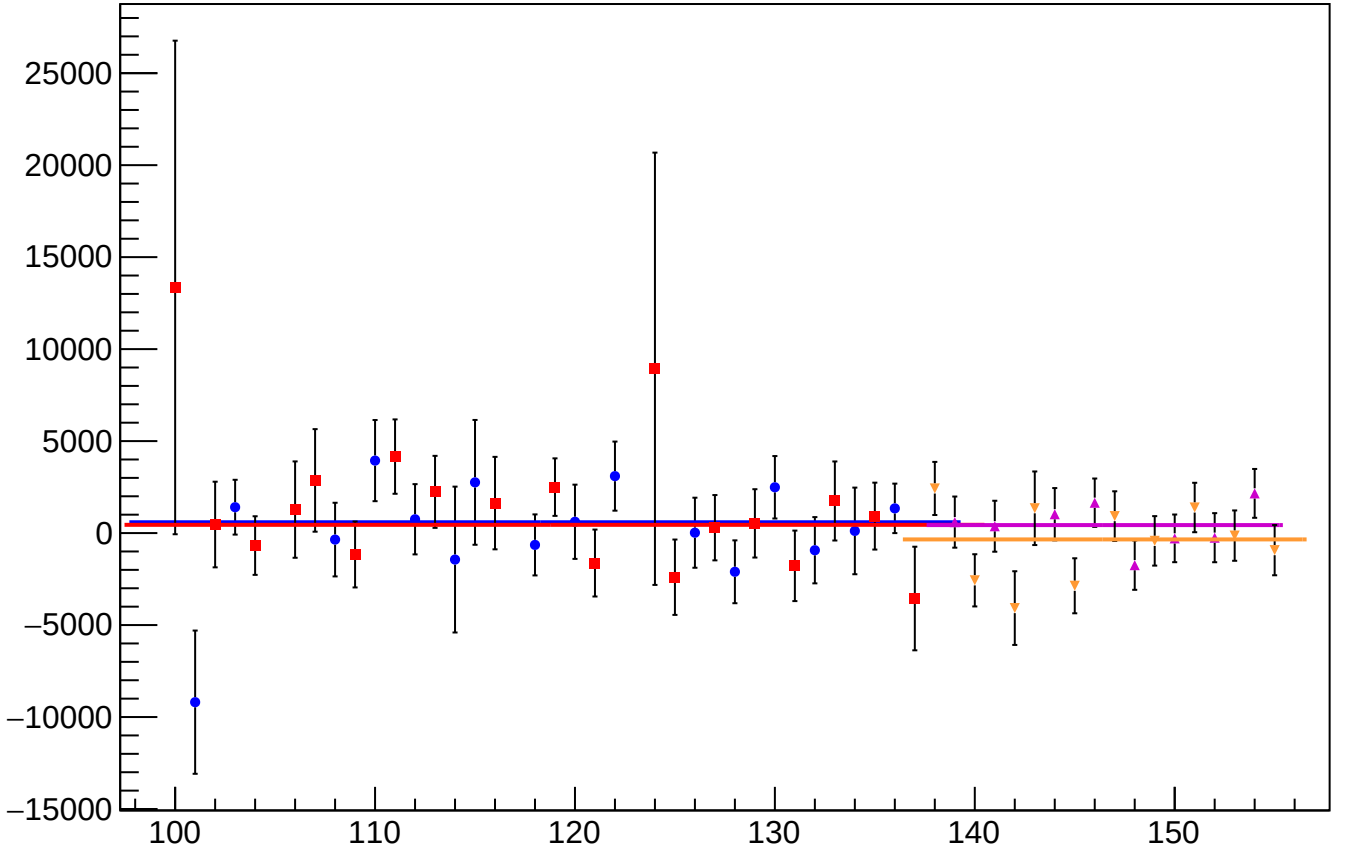
Left In: 621.403+/-0.167 χ^2/NDF:179537.6/7

+ sign 745.672+/-0.146 χ^2/NDF: 3823277.5/25

All: 740.987+/-0.104 χ^2/NDF: 7397042.4/52

- sign 736.209+/-0.147 χ^2/NDF: 3571684.6/26

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: -344.596+/-463.806 χ^2/NDF:15.9/9

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

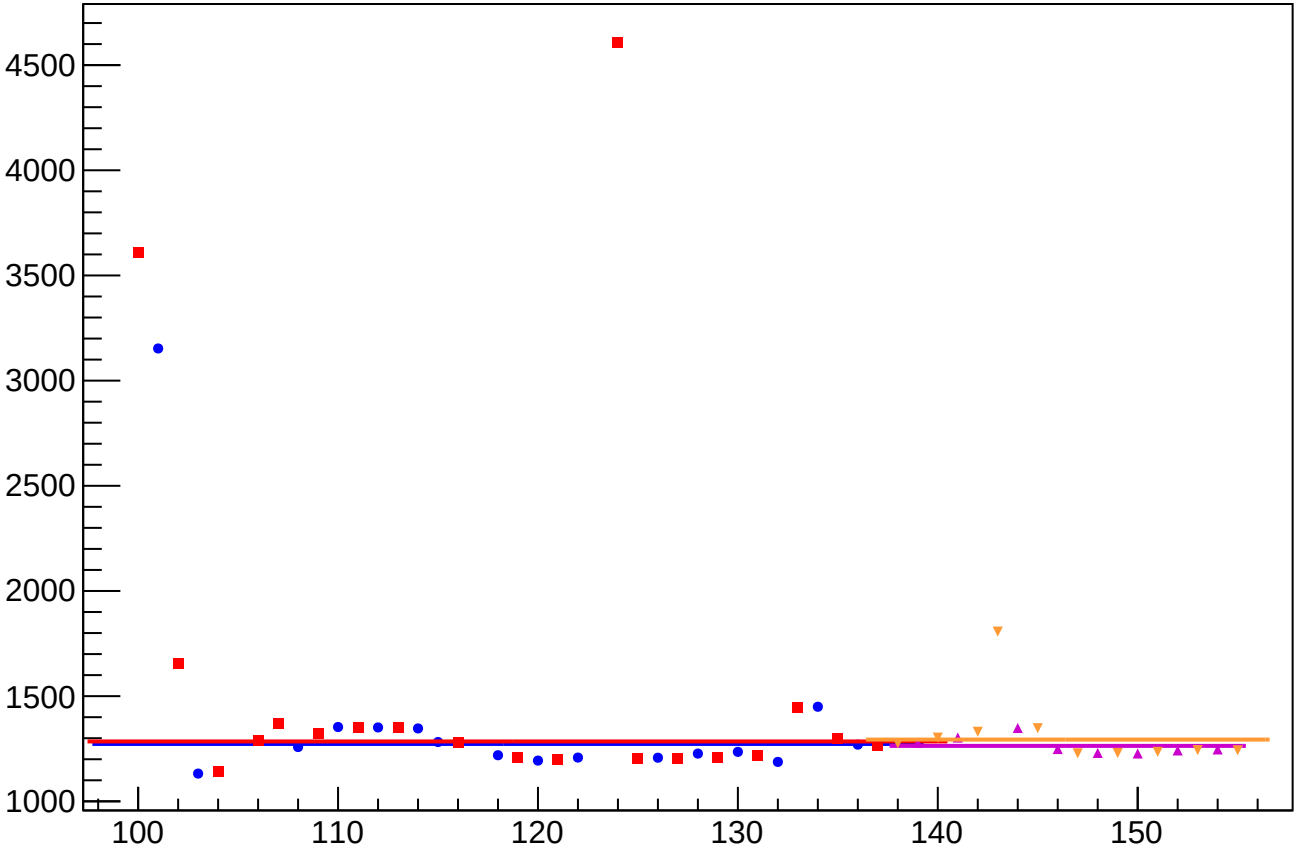
Left In: 434.553+/-477.096 χ^2/NDF:5.9/7

\+ sign 102.992+/-334.352 χ^2/NDF: 34.9/25

All: 269.947+/-237.995 χ^2/NDF: 58.2/52

\- sign 441.421+/-338.846 χ^2/NDF: 22.8/26

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: 1293.541+/-0.328 χ^2/NDF:153867.4/9

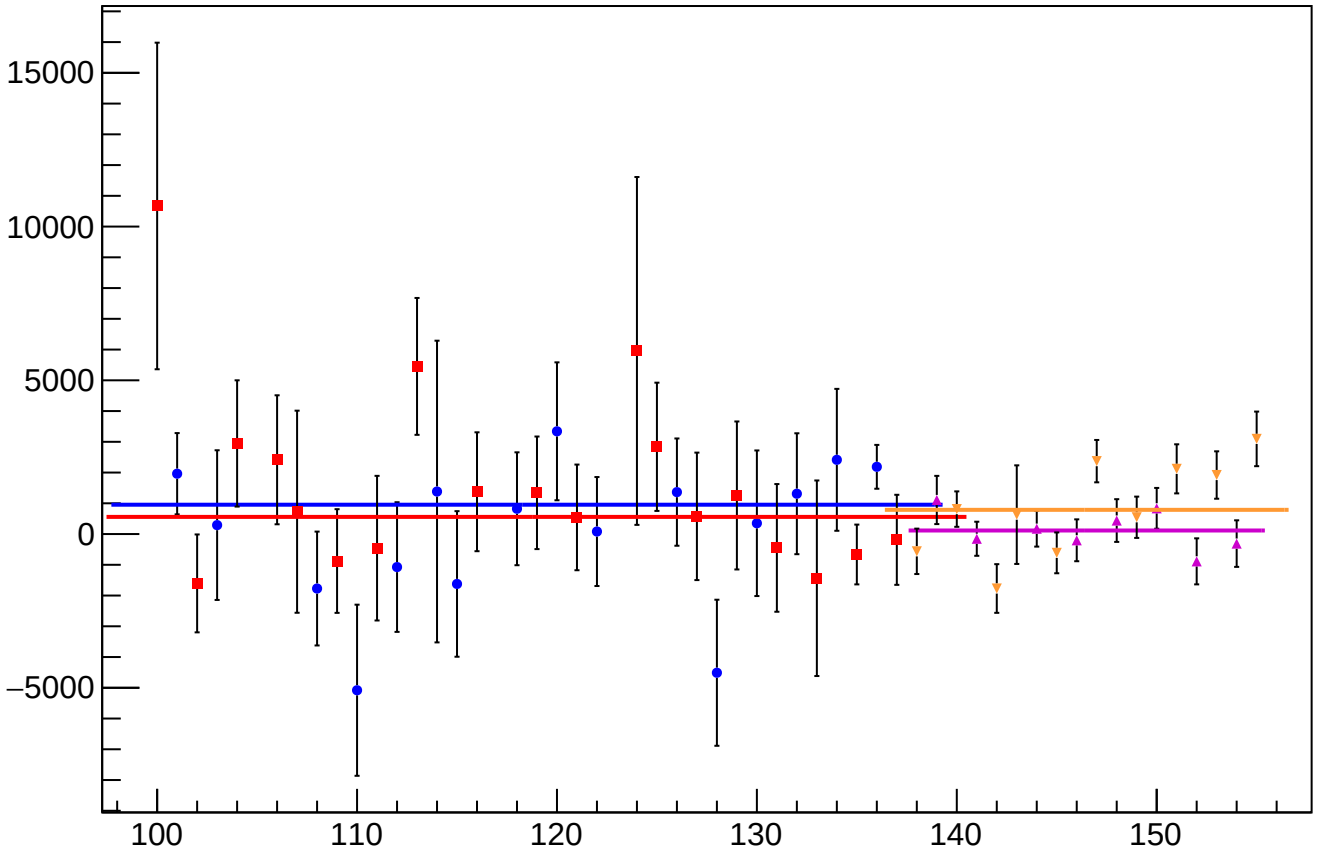
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

+ sign 1283.580+/-0.236 χ^2/NDF: 675087.2/25

All: 1278.870+/-0.168 χ^2/NDF: 1019496.0/52

- sign 1274.033+/-0.240 χ^2/NDF: 343604.3/26



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 787.460+/-236.068 χ^2/NDF:35.4/9

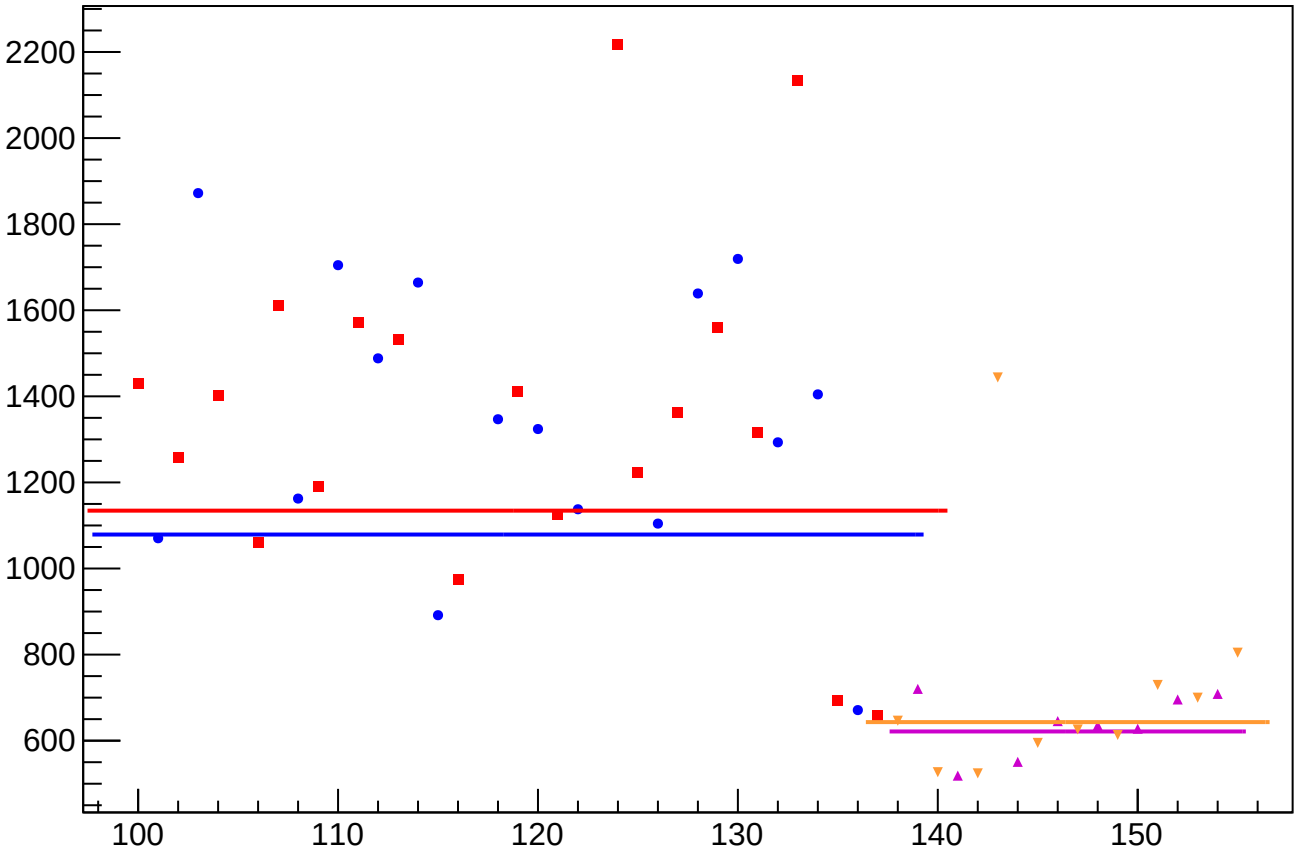
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 115.574+/-236.658 χ^2/NDF:5.6/7

\+ sign 826.669+/-206.445 χ^2/NDF: 55.3/25

All: 523.655+/-146.701 χ^2/NDF: 84.4/52

\- sign 214.567+/-208.504 χ^2/NDF: 24.7/26



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 643.170+/-0.167 χ^2/NDF:741550.9/9

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

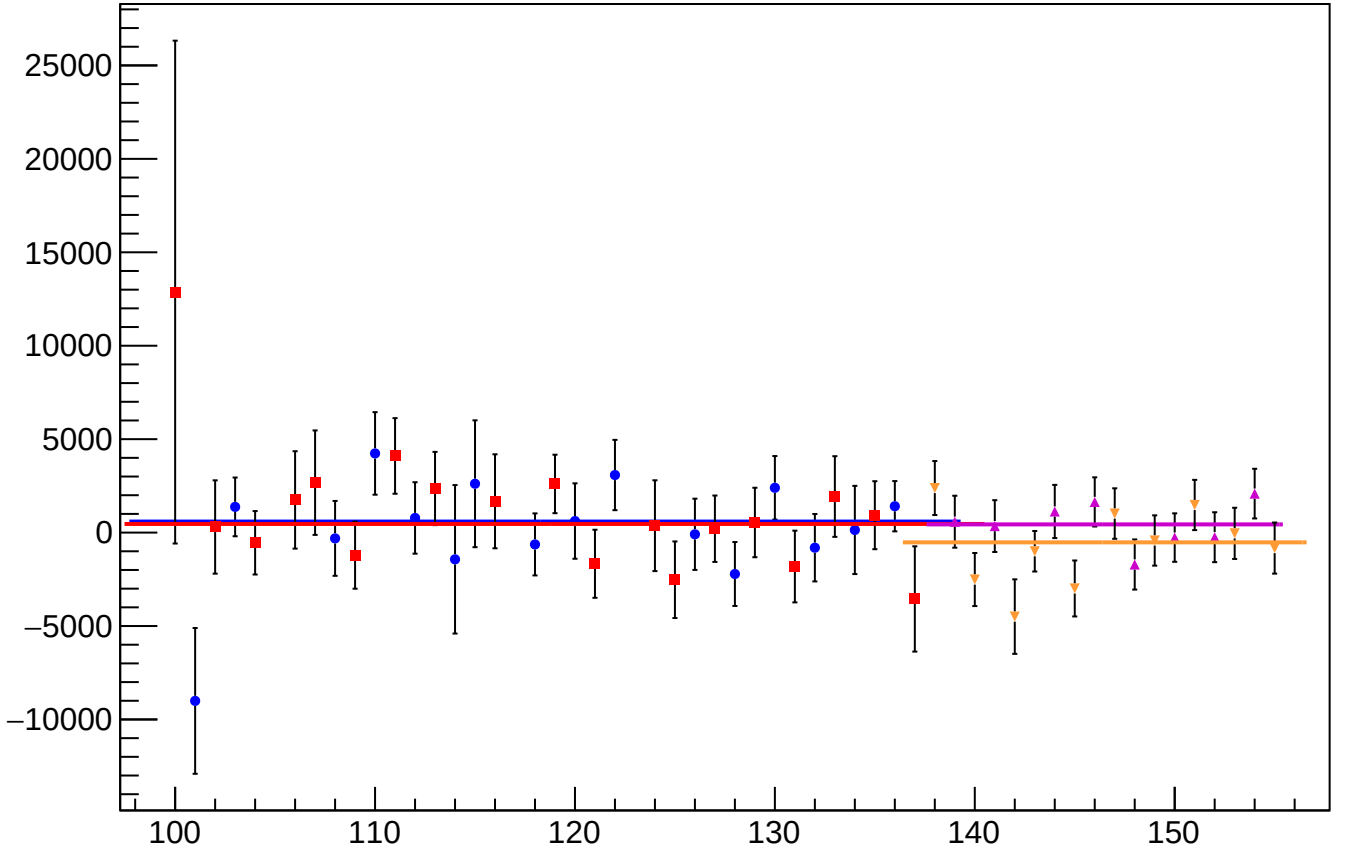
Left In: 621.403+/-0.167 χ^2/NDF:179537.6/7

+ sign 745.672+/-0.146 χ^2/NDF: 3823277.5/25

All: 740.987+/-0.104 χ^2/NDF: 7397042.4/52

- sign 736.209+/-0.147 χ^2/NDF: 3571684.6/26

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -522.476+/-436.627 χ^2/NDF:16.6/9

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

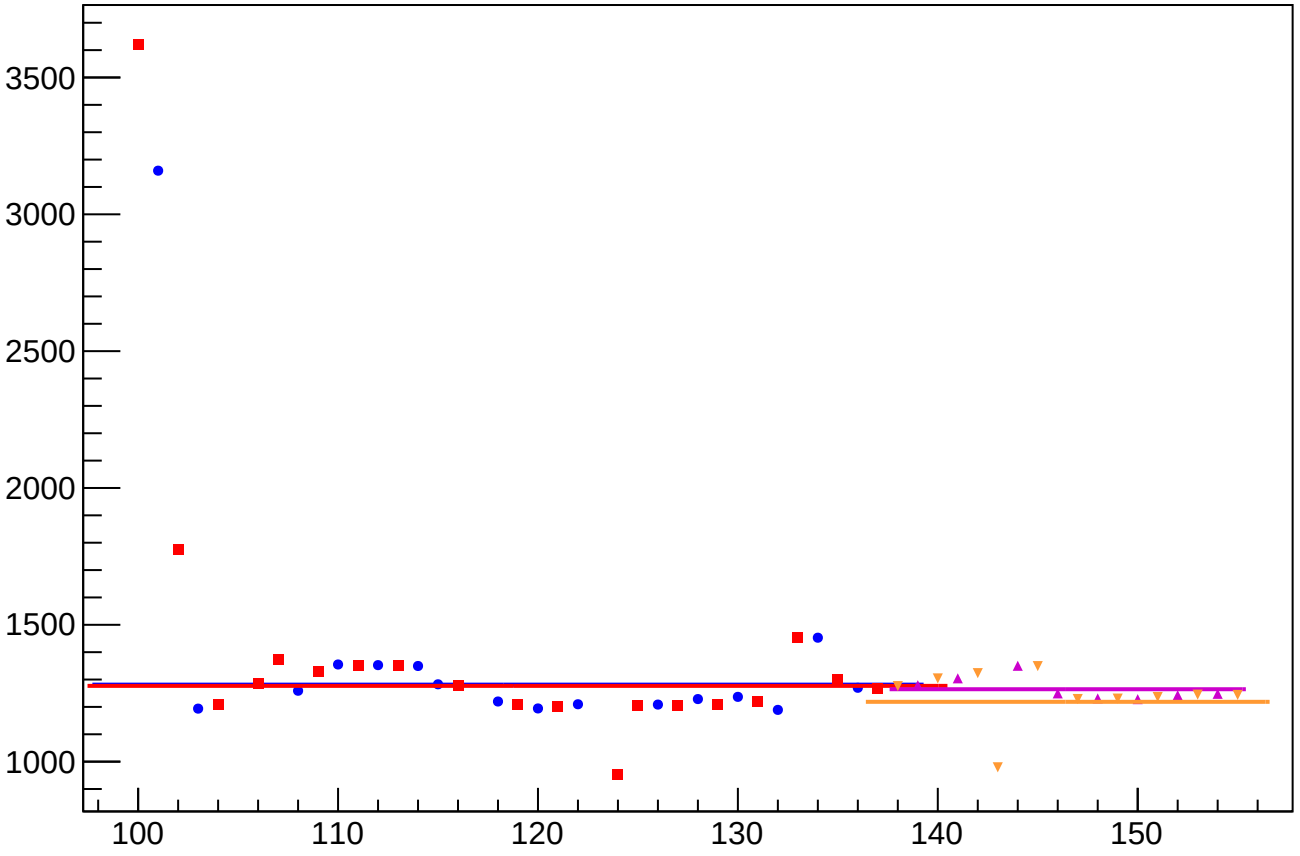
Left In: 438.861+/-477.478 χ^2/NDF:5.7/7

+ sign -24.870+/-324.645 χ^2/NDF: 36.6/25

All: 203.789+/-233.933 χ^2/NDF: 60.1/52

- sign 450.750+/-337.386 χ^2/NDF: 22.4/26

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1218.582+/-0.309 χ^2/NDF:130614.6/9

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

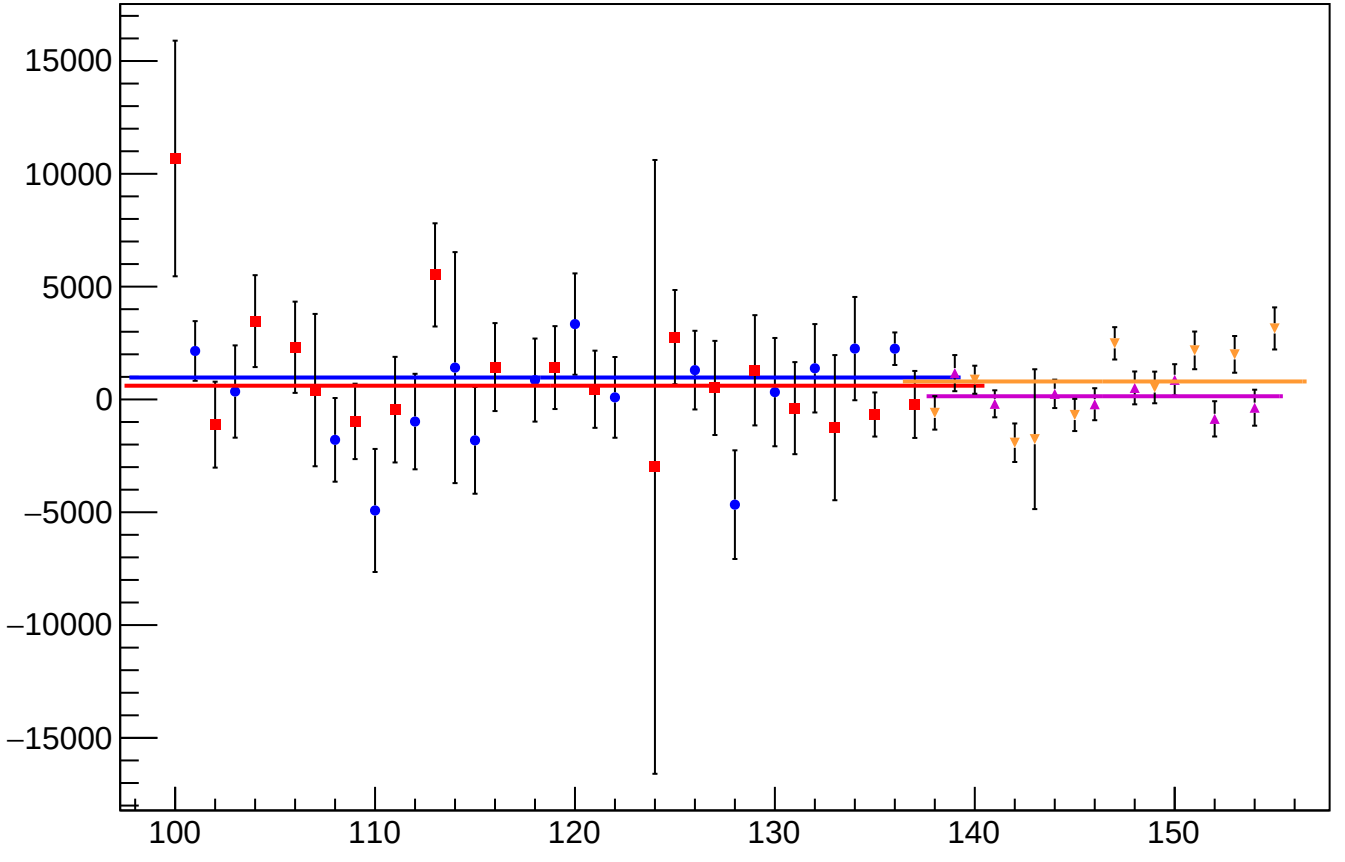
Left In: 1264.603+/-0.338 χ^2/NDF:13065.7/7

+ sign 1246.658+/-0.230 χ^2/NDF: 656186.5/25

All: 1258.236+/-0.165 χ^2/NDF: 895716.8/52

- sign 1270.740+/-0.239 χ^2/NDF: 234239.2/26

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 796.847+/-250.643 χ^2/NDF:35.6/9

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

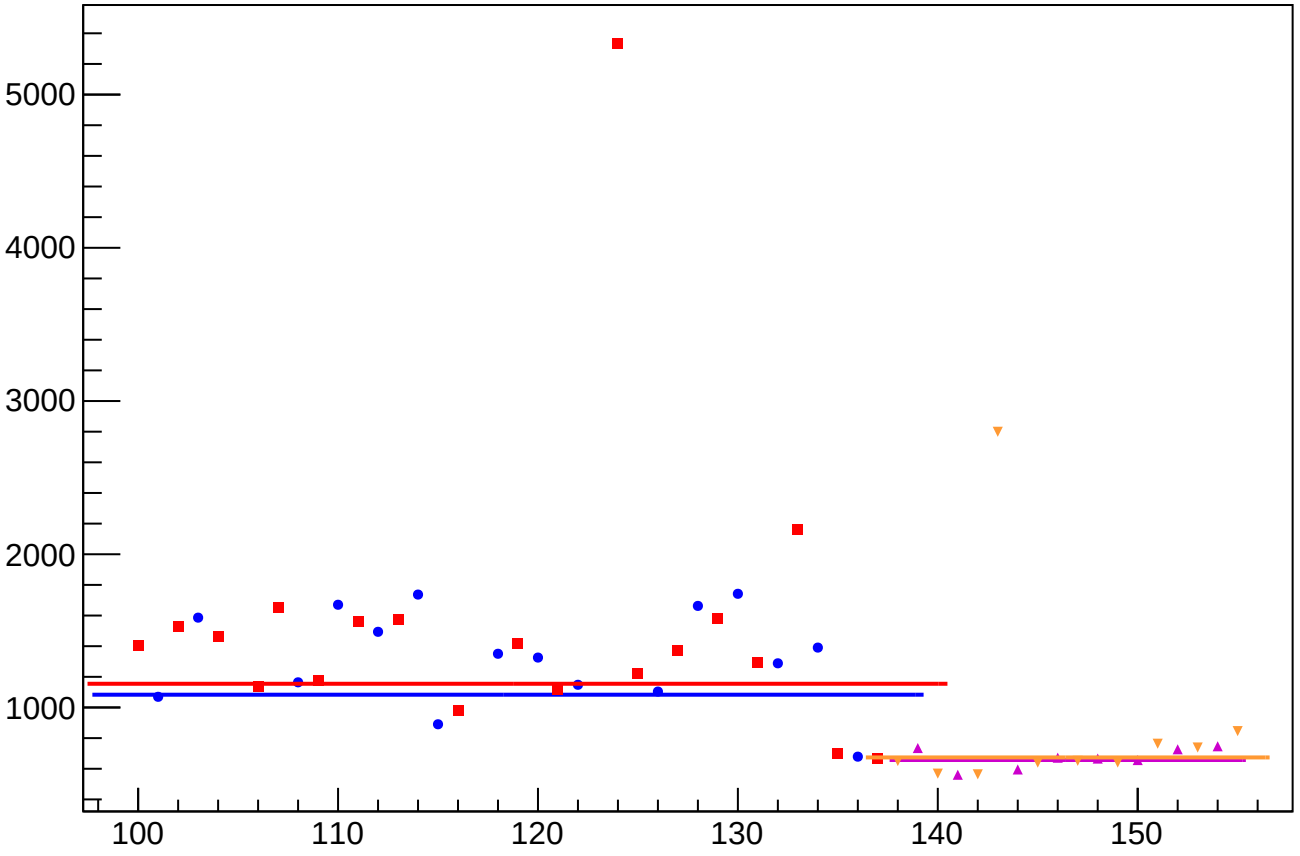
Left In: 141.627+/-249.799 χ^2/NDF:5.6/7

\+ sign 842.085+/-215.924 χ^2/NDF: 56.2/25

All: 550.279+/-153.460 χ^2/NDF: 83.5/52

\- sign 252.438+/-218.145 χ^2/NDF: 23.6/26

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: 673.938+/-0.177 χ^2/NDF:1148174.3/9

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

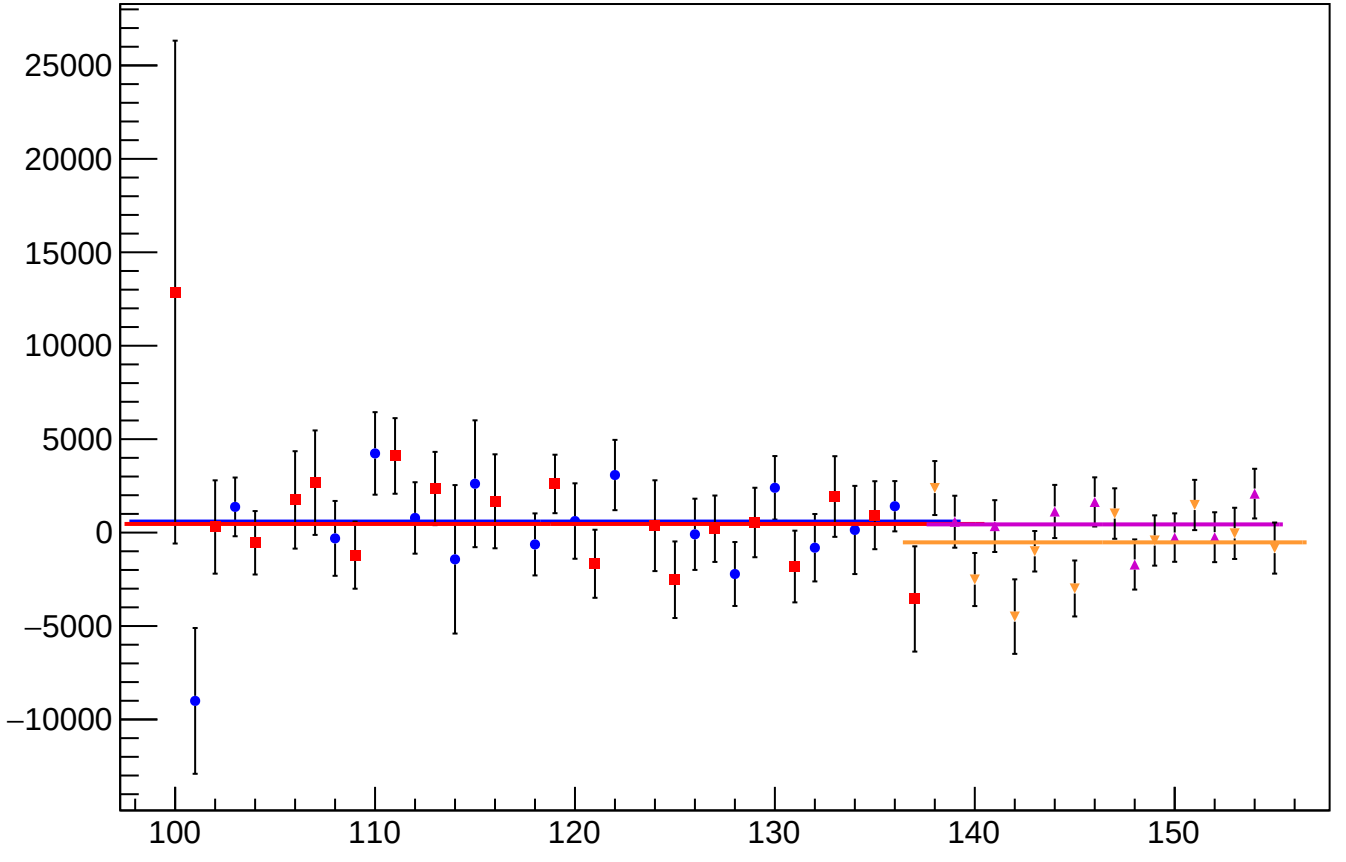
Left In: 657.228+/-0.177 χ^2/NDF:132234.9/7

+ sign 779.503+/-0.153 χ^2/NDF: 3884214.4/25

All: 777.435+/-0.109 χ^2/NDF: 7388234.3/52

- sign 775.325+/-0.154 χ^2/NDF: 3503649.4/26

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -522.478+/-436.627 χ^2/NDF:16.6/9

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

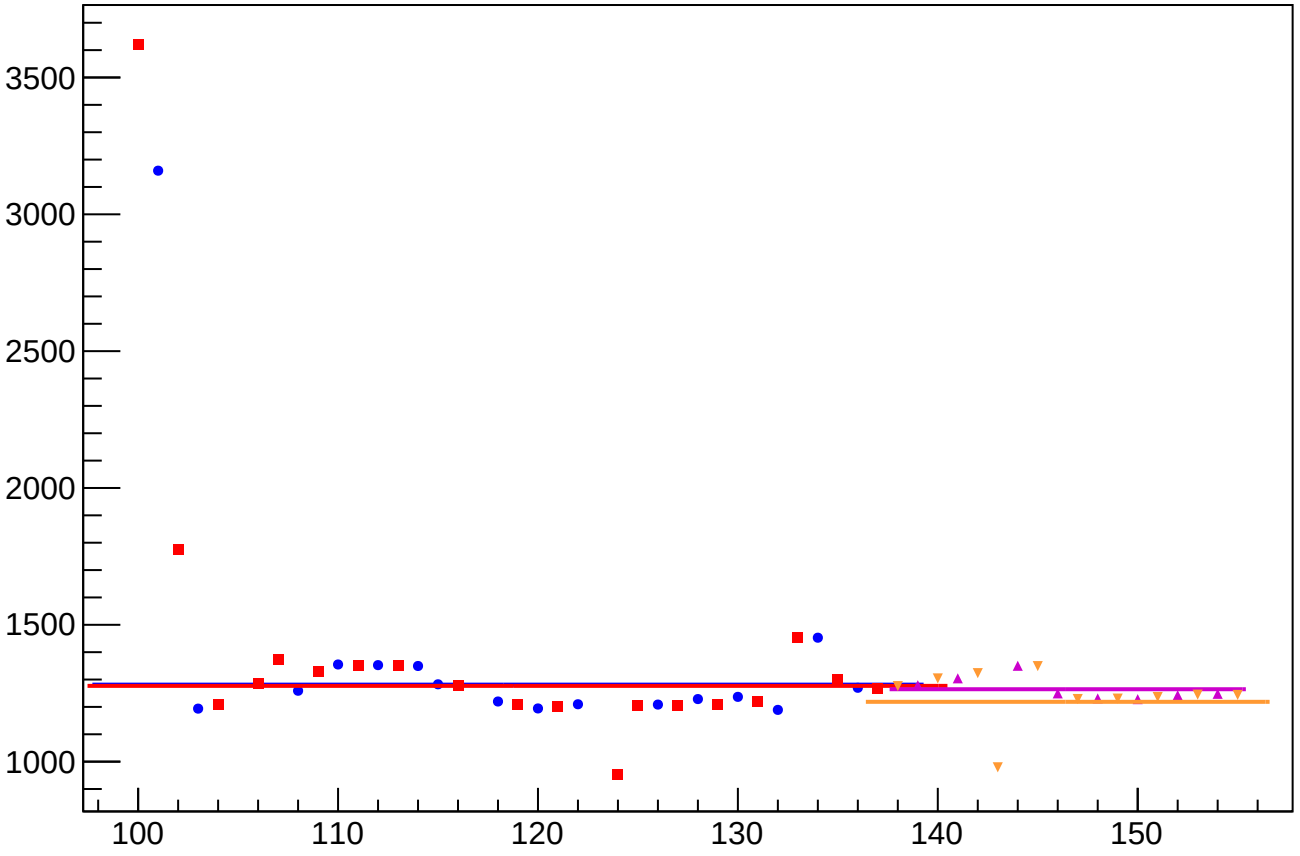
Left In: 438.864+/-477.478 χ^2/NDF:5.7/7

\+ sign -24.871+/-324.645 χ^2/NDF: 36.6/25

All: 203.790+/-233.933 χ^2/NDF: 60.1/52

\- sign 450.751+/-337.386 χ^2/NDF: 22.4/26

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: 1218.582+/-0.309 χ^2/NDF:130613.9/9

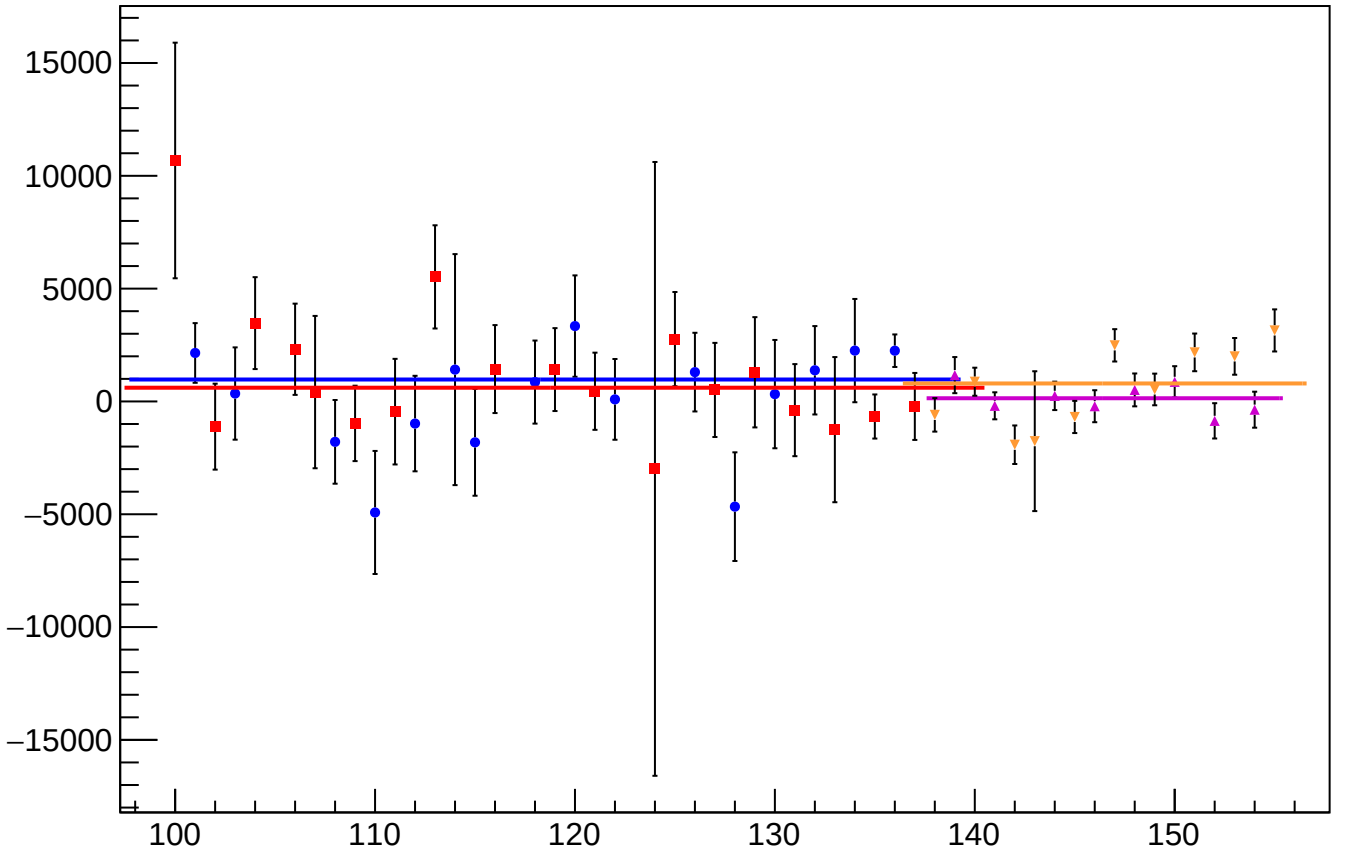
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1264.603+/-0.338 χ^2/NDF:13065.7/7

+ sign 1246.658+/-0.230 χ^2/NDF: 656185.8/25

All: 1258.236+/-0.165 χ^2/NDF: 895715.9/52

- sign 1270.740+/-0.239 χ^2/NDF: 234239.1/26



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 796.852+/-250.644 χ^2/NDF:35.6/9

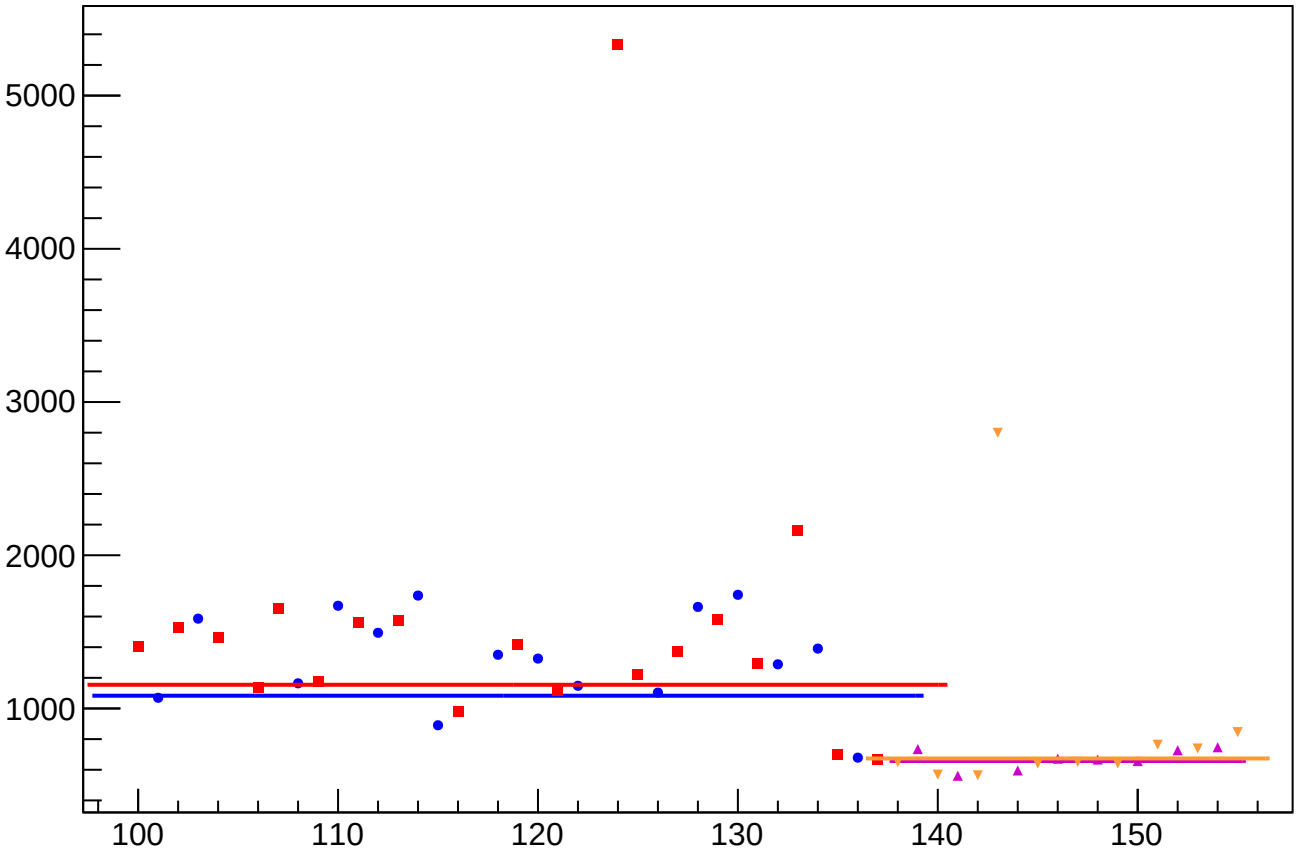
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 141.628+/-249.799 χ^2/NDF:5.6/7

+ sign 842.087+/-215.924 χ^2/NDF: 56.2/25

All: 550.280+/-153.461 χ^2/NDF: 83.5/52

- sign 252.440+/-218.145 χ^2/NDF: 23.6/26



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 673.939+/-0.177 χ^2/NDF:1148166.9/9

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

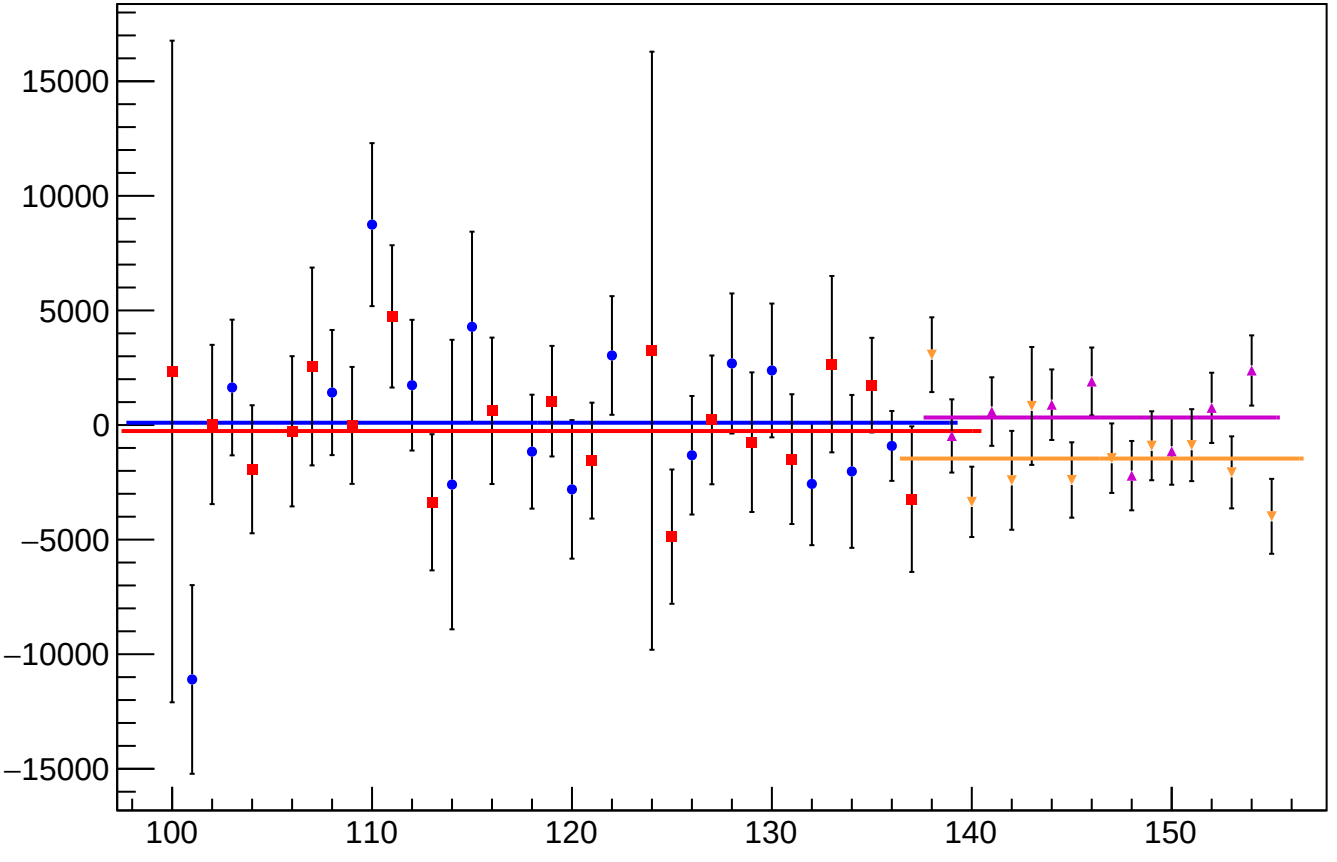
Left In: 657.228+/-0.177 χ^2/NDF:132237.2/7

\+ sign 779.505+/-0.153 χ^2/NDF: 3884173.4/25

All: 777.437+/-0.109 χ^2/NDF: 7388189.6/52

\- sign 775.326+/-0.154 χ^2/NDF: 3503645.4/26

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1462.379+/-527.266 χ^2/NDF:13.3/9

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

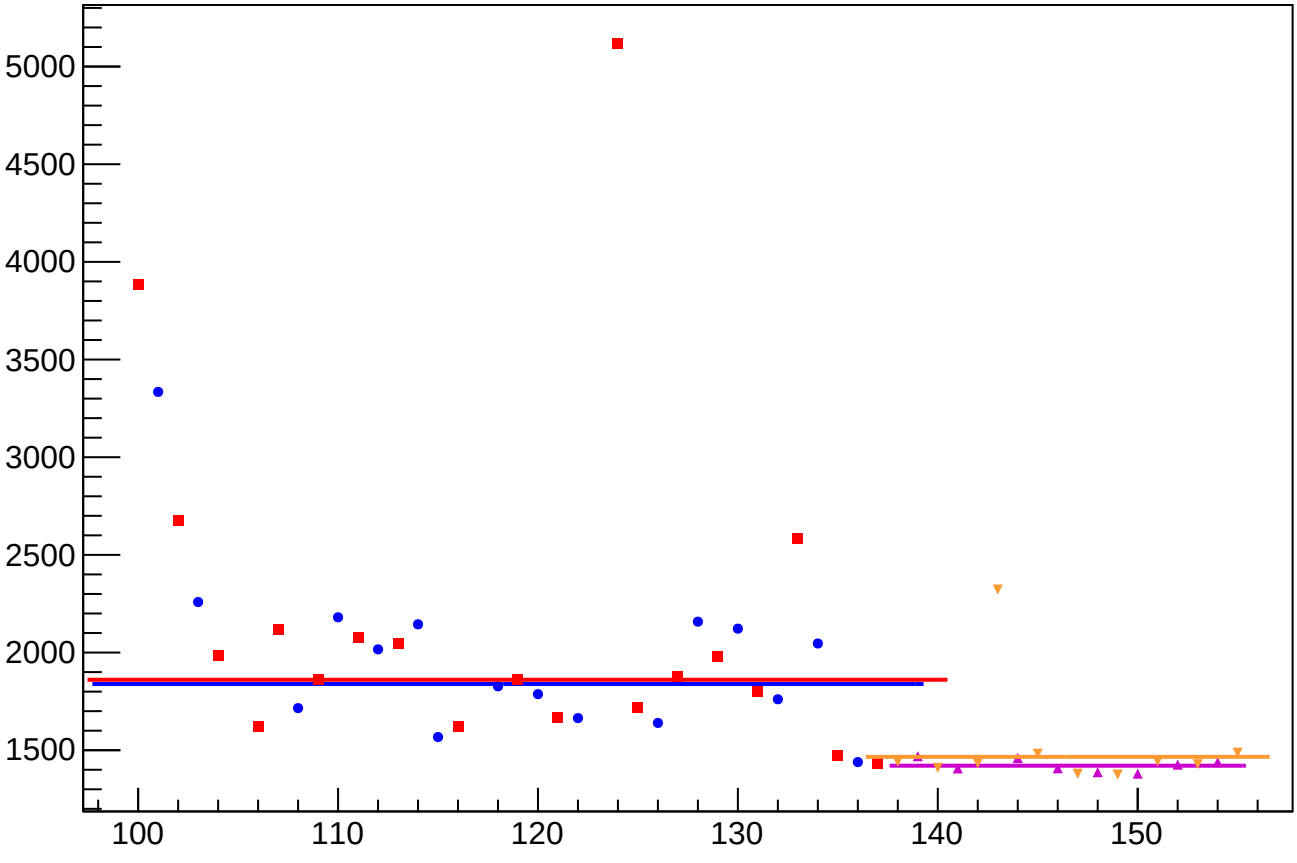
Left In: 328.567+/-536.370 χ^2/NDF:7.2/7

+ sign -895.606+/-420.936 χ^2/NDF: 37.8/25

All: -398.591+/-299.314 χ^2/NDF: 58.7/52

- sign 109.719+/-425.692 χ^2/NDF: 18.0/26

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1466.140+/-0.373 χ^2/NDF:241238.4/9

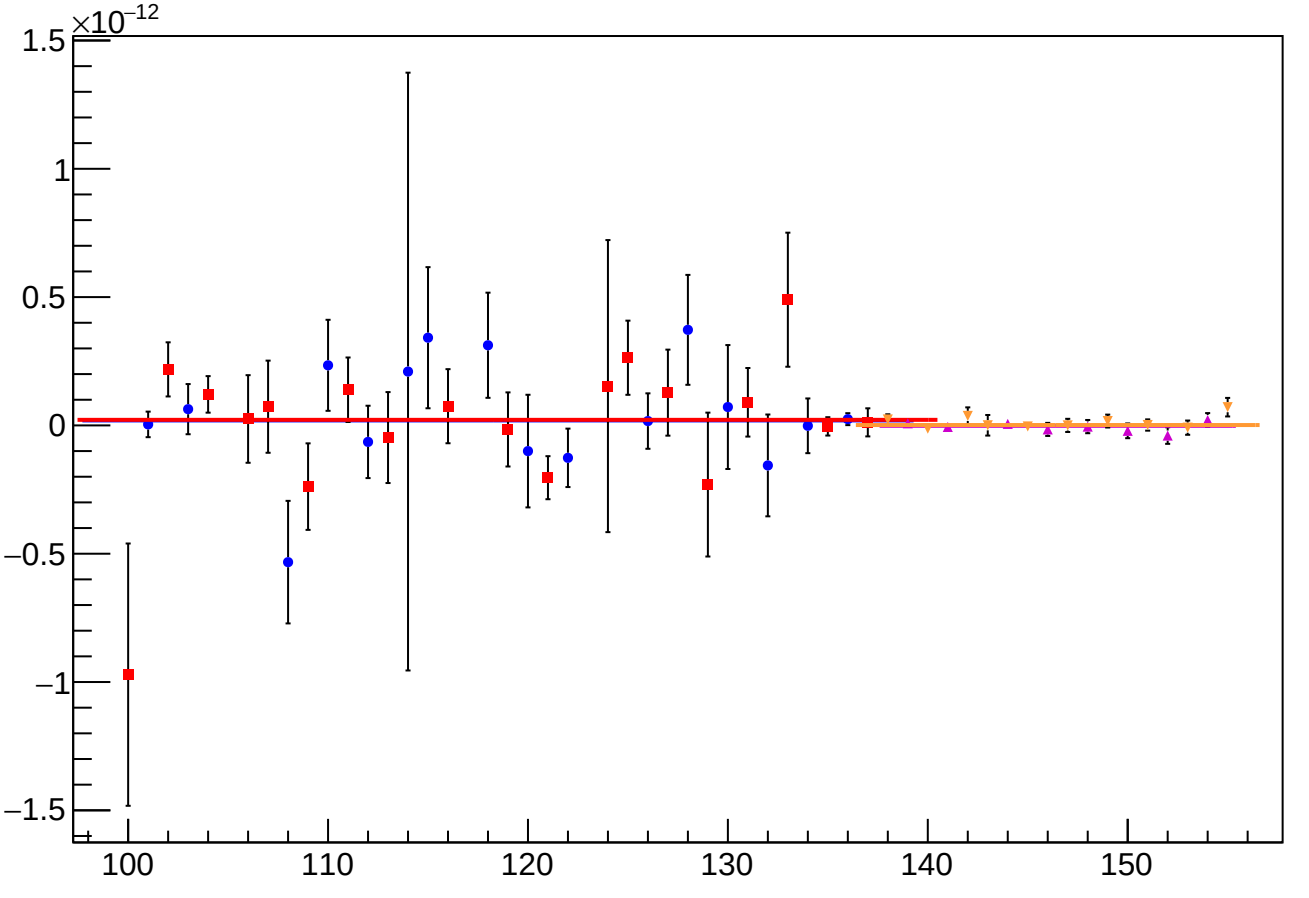
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1420.773+/-0.379 χ^2/NDF:6340.0/7

+ sign 1601.402+/-0.298 χ^2/NDF: 1160895.2/25

All: 1592.610+/-0.212 χ^2/NDF: 2189207.7/52

- sign 1583.619+/-0.301 χ^2/NDF: 1026547.7/26



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

Left Out: 0.000+/-0.000 χ^2/NDF:8.4/9

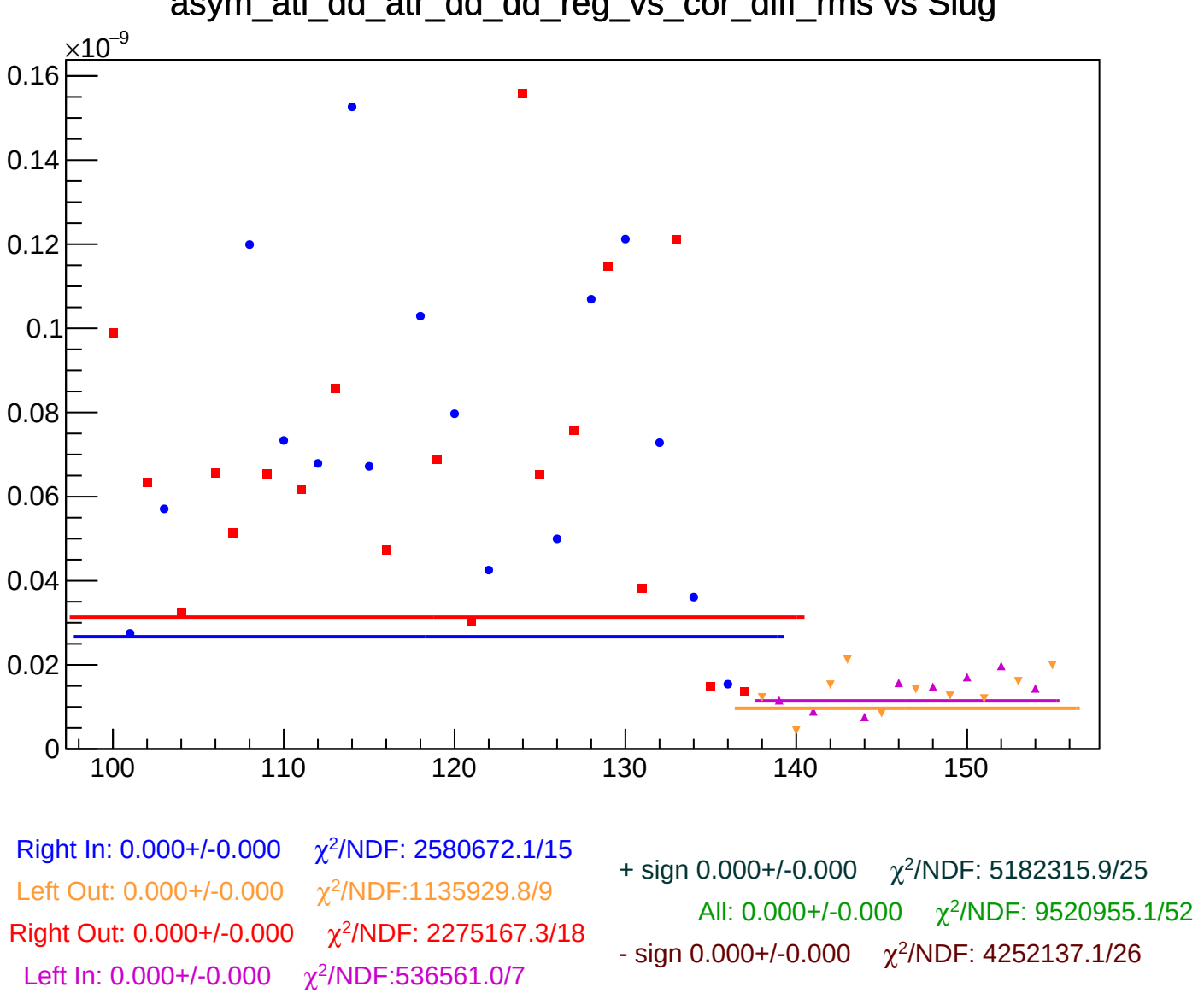
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

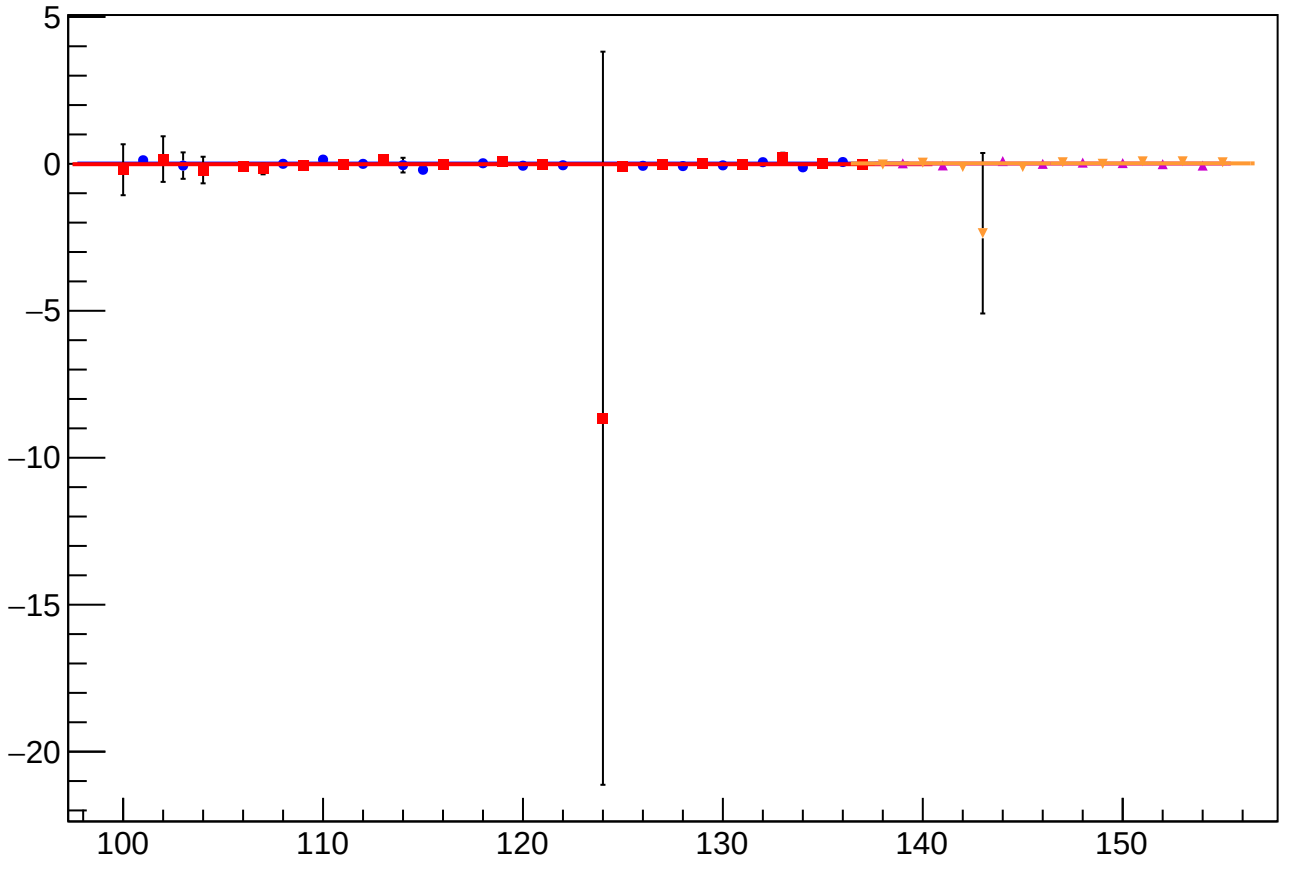
Left In: -0.000+/-0.000 χ^2/NDF:3.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/25

All: 0.000+/-0.000 χ^2/NDF: 58.5/52

- sign 0.000+/-0.000 χ^2/NDF: 32.7/26


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1135929.8/9
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:536561.0/7
+ sign 0.000+/-0.000 χ²/NDF: 5182315.9/25
All: 0.000+/-0.000 χ²/NDF: 9520955.1/52
- sign 0.000+/-0.000 χ²/NDF: 4252137.1/26



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

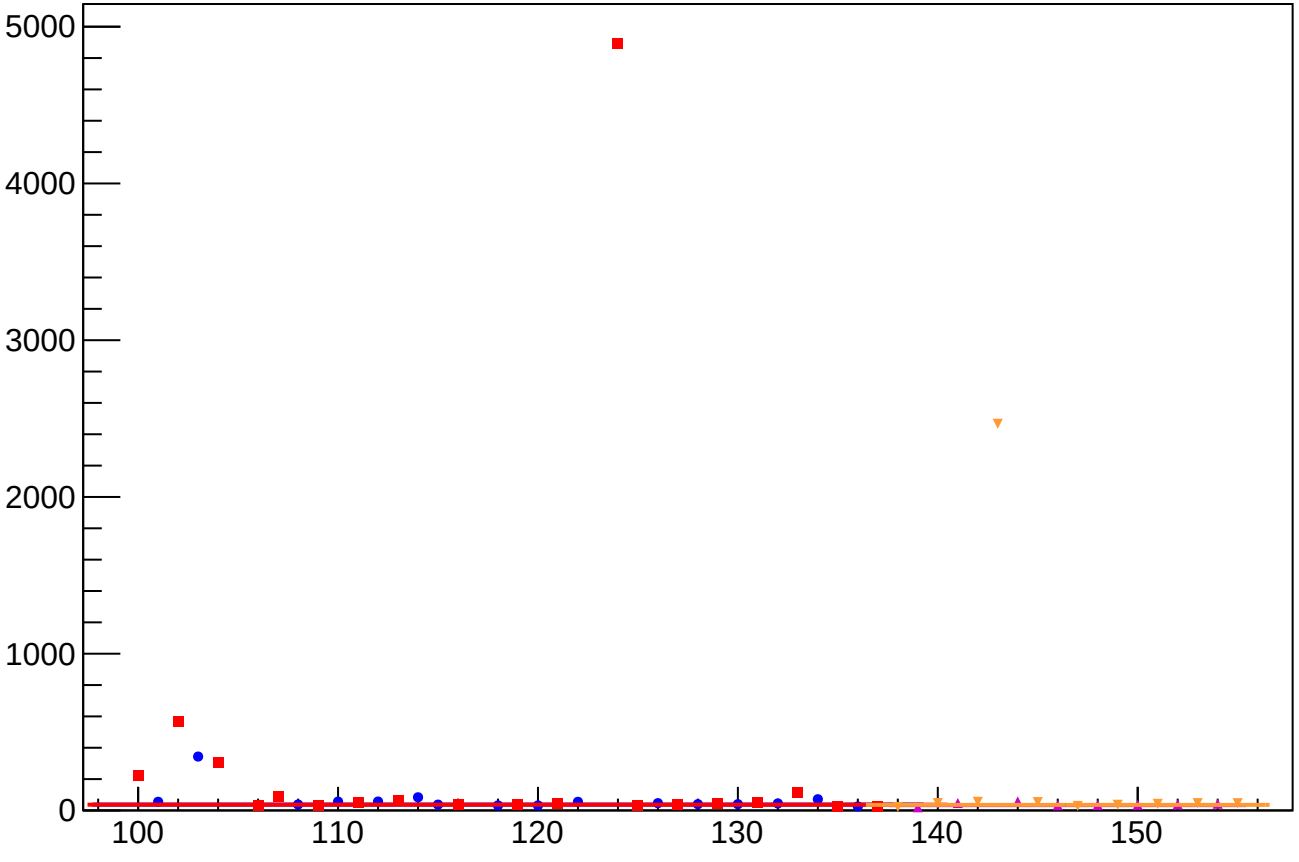
Left In: 0.009+/-0.014 χ^2/NDF:6.3/7

+ sign 0.012+/-0.011 χ^2/NDF: 33.6/25

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

- sign -0.000+/-0.011 χ^2/NDF: 19.8/26

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: 35.641+/-0.010 χ^2/NDF:2680727.1/9

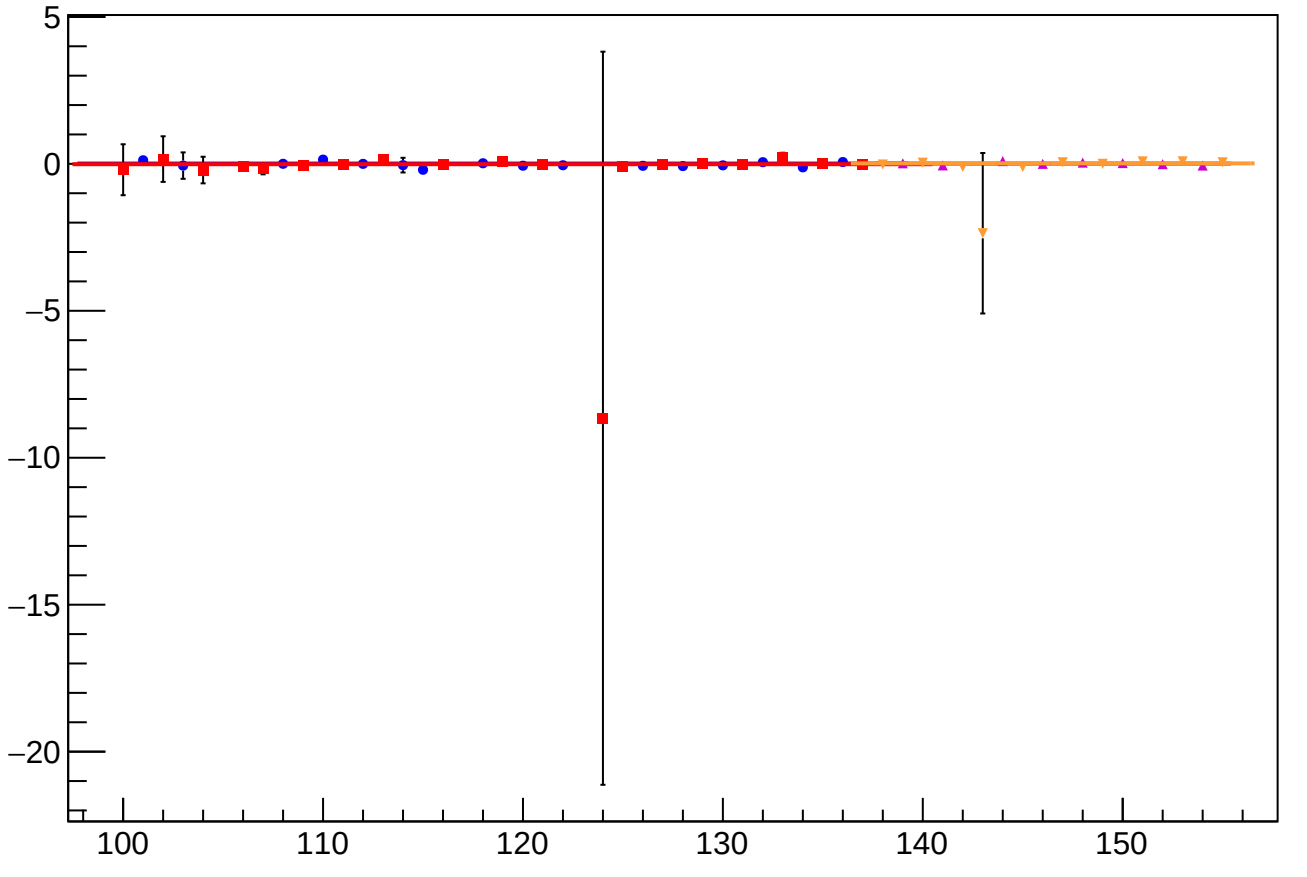
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.041+/-0.010 χ^2/NDF:1008115.1/7

+ sign 36.493+/-0.008 χ^2/NDF: 4678354.6/25

All: 35.848+/-0.005 χ^2/NDF: 8921913.8/52

- sign 35.207+/-0.008 χ^2/NDF: 4229605.0/26



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.016+/-0.015 χ^2/NDF:14.3/9

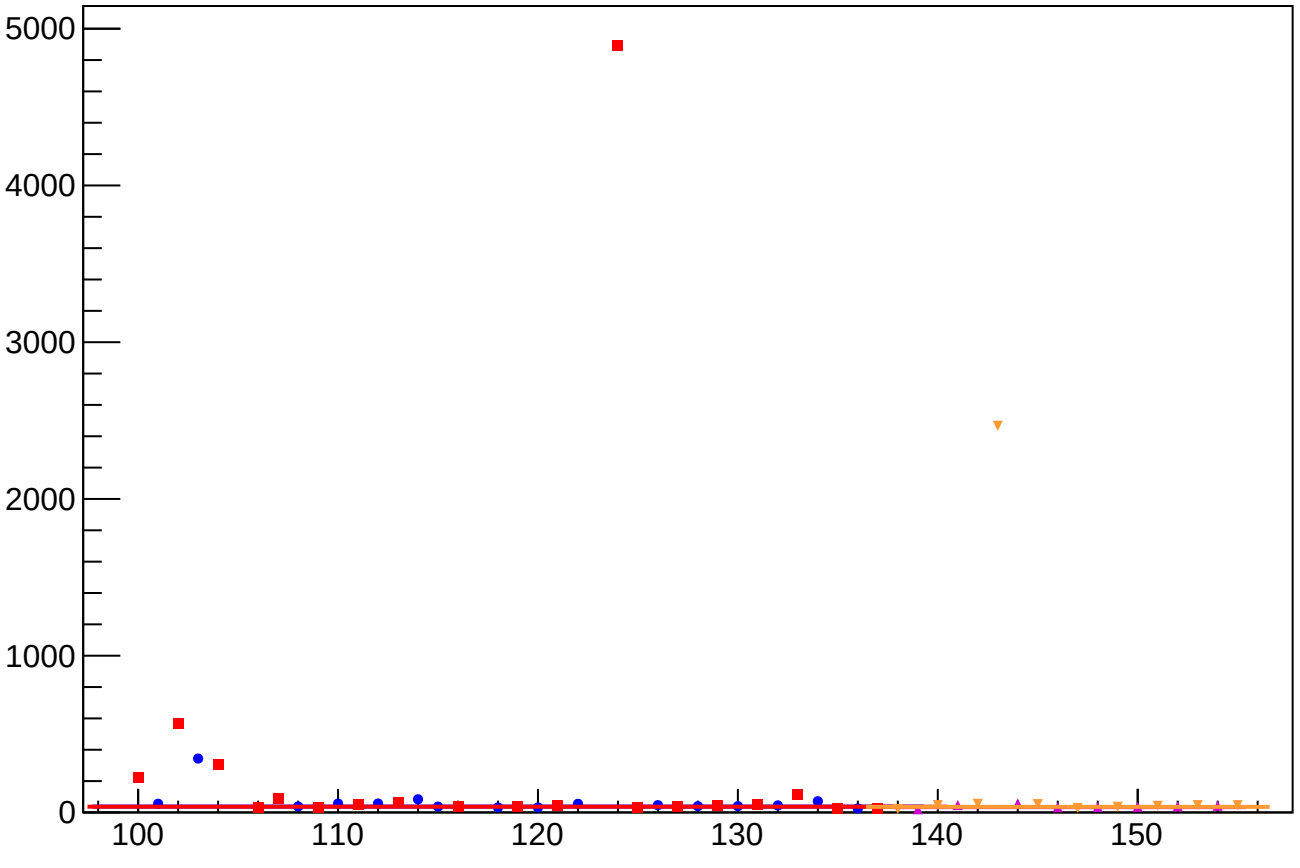
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.009+/-0.014 χ^2/NDF:6.3/7

+ sign 0.012+/-0.011 χ^2/NDF: 33.6/25

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

- sign -0.000+/-0.011 χ^2/NDF: 19.8/26



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 35.641+/-0.010 χ^2/NDF:2680727.1/9

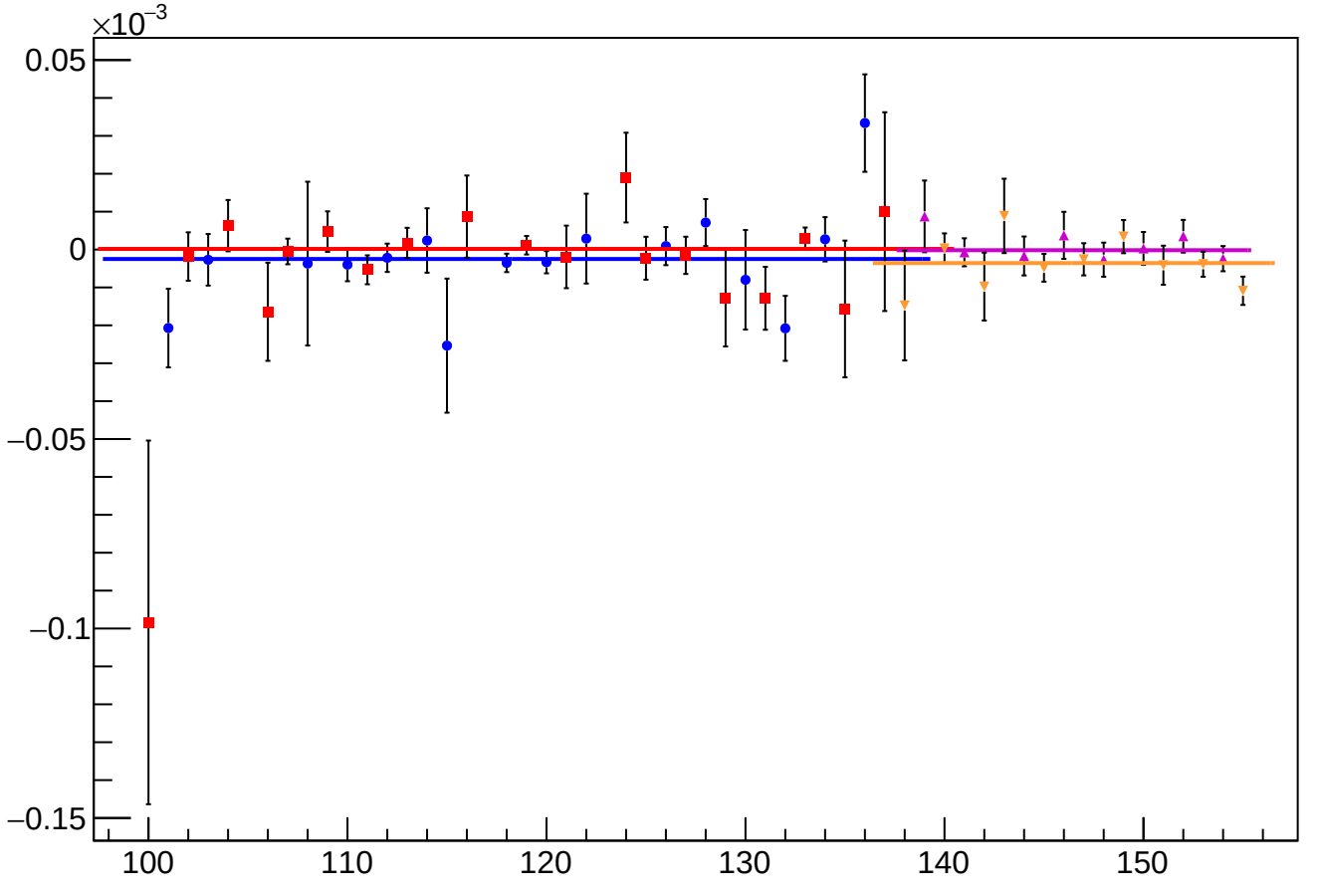
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.041+/-0.010 χ^2/NDF:1008115.1/7

+ sign 36.493+/-0.008 χ^2/NDF: 4678354.6/25

All: 35.848+/-0.005 χ^2/NDF: 8921913.8/52

- sign 35.207+/-0.008 χ^2/NDF: 4229605.0/26



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/9

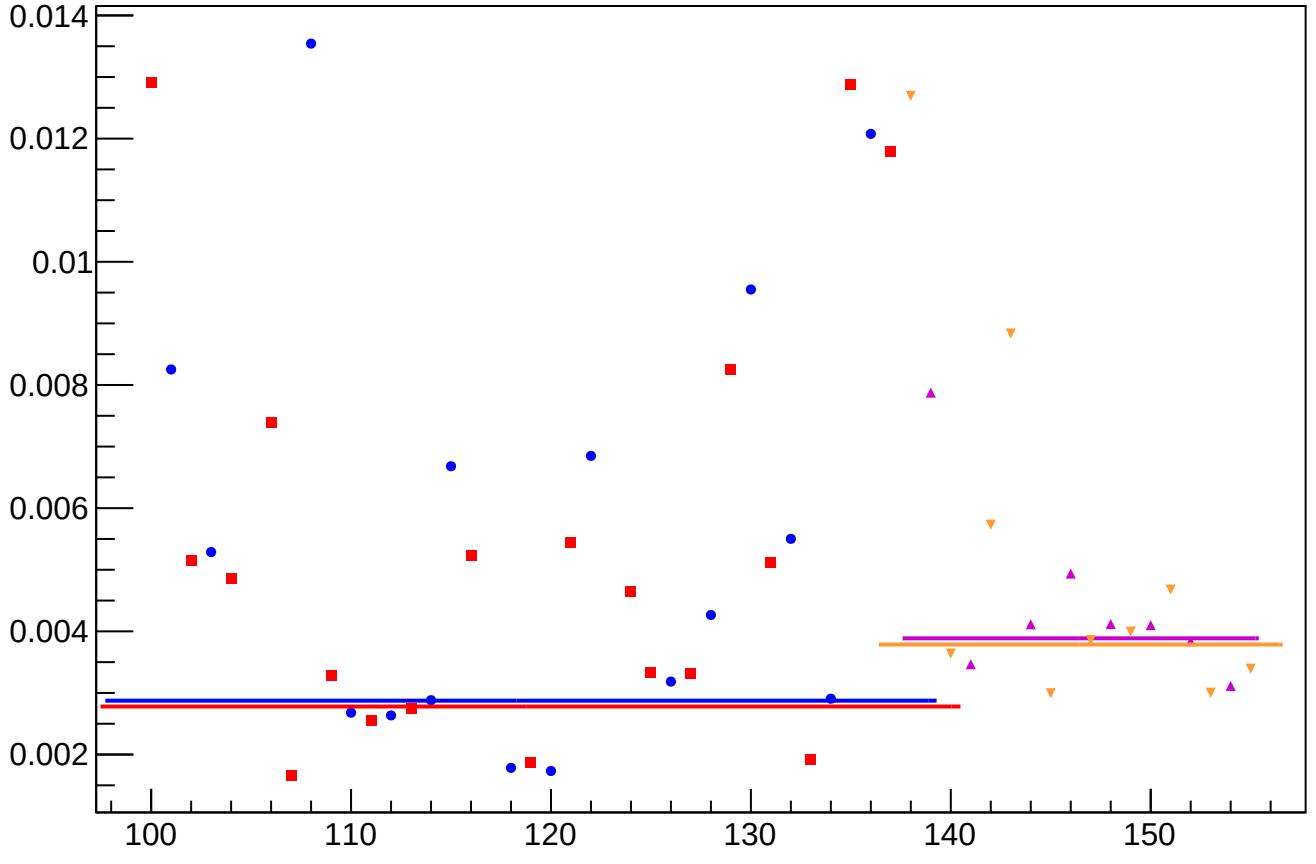
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/25

All: -0.000+/-0.000 χ^2/NDF: 59.1/52

- sign 0.000+/-0.000 χ^2/NDF: 21.8/26



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1674830.2/9

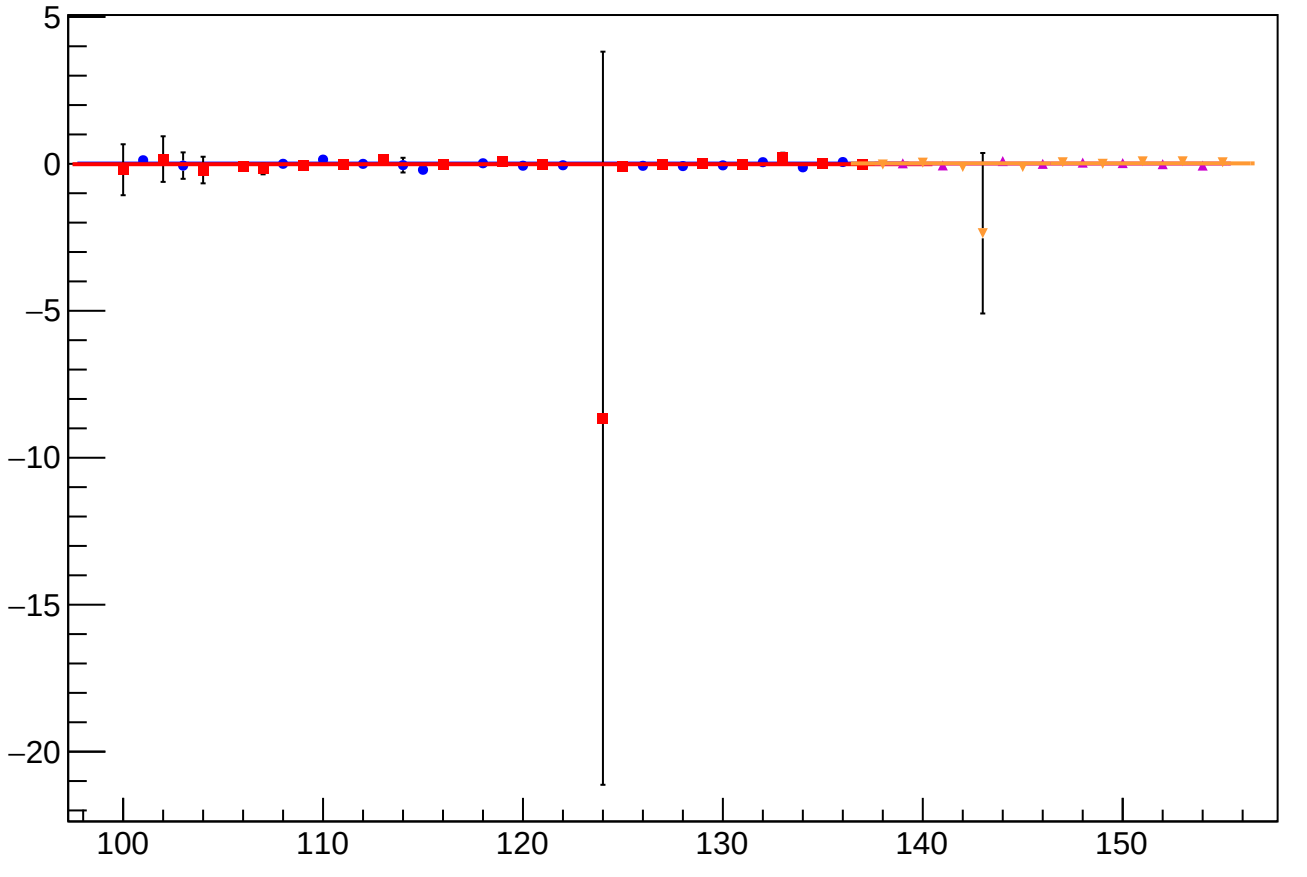
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:561970.4/7

+ sign 0.003+/-0.000 χ^2/NDF: 6262248.2/25

All: 0.003+/-0.000 χ^2/NDF: 10776708.0/52

- sign 0.003+/-0.000 χ^2/NDF: 4500872.6/26



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

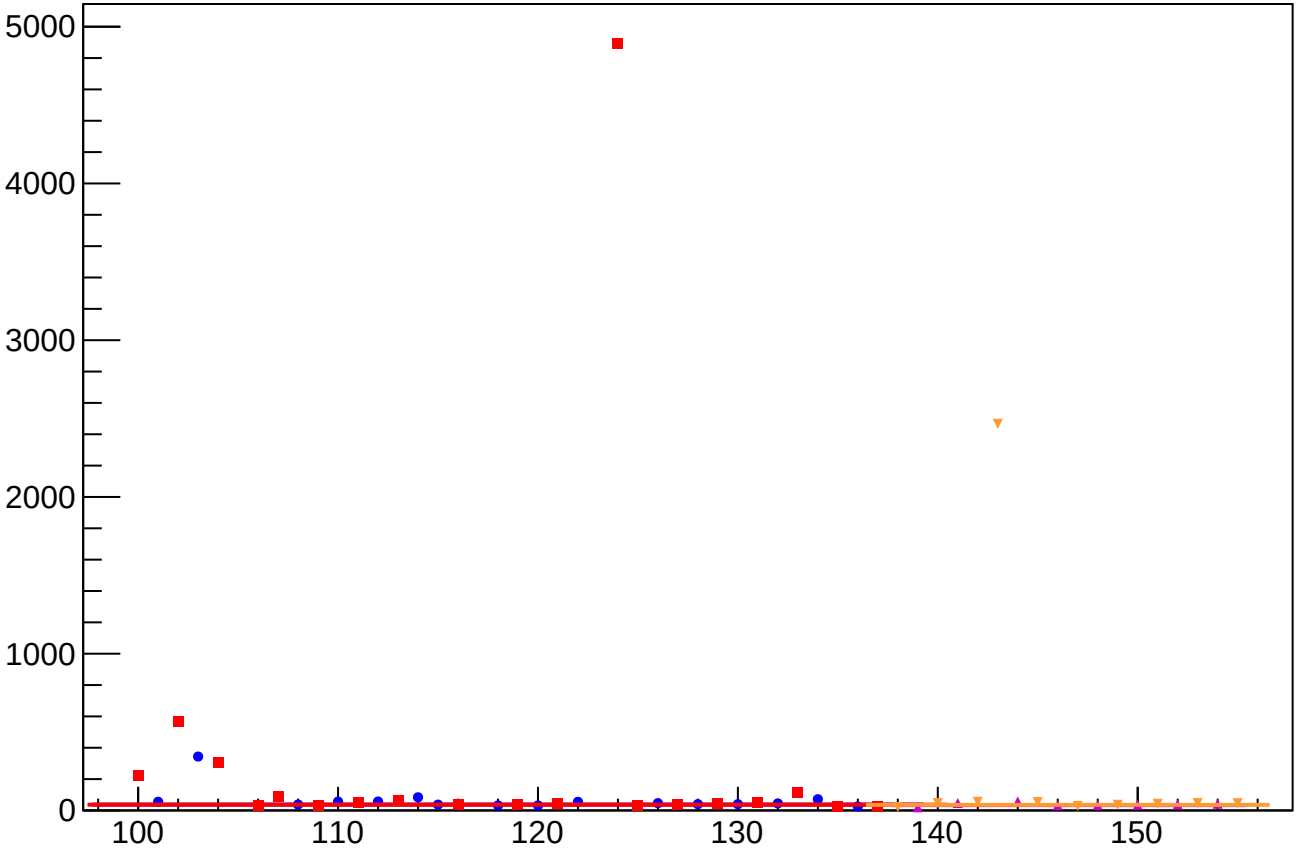
Left In: 0.009+/-0.014 χ^2/NDF:6.3/7

+ sign 0.012+/-0.011 χ^2/NDF: 33.6/25

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

- sign -0.000+/-0.011 χ^2/NDF: 19.8/26

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.639+/-0.010 χ^2/NDF:2681192.6/9

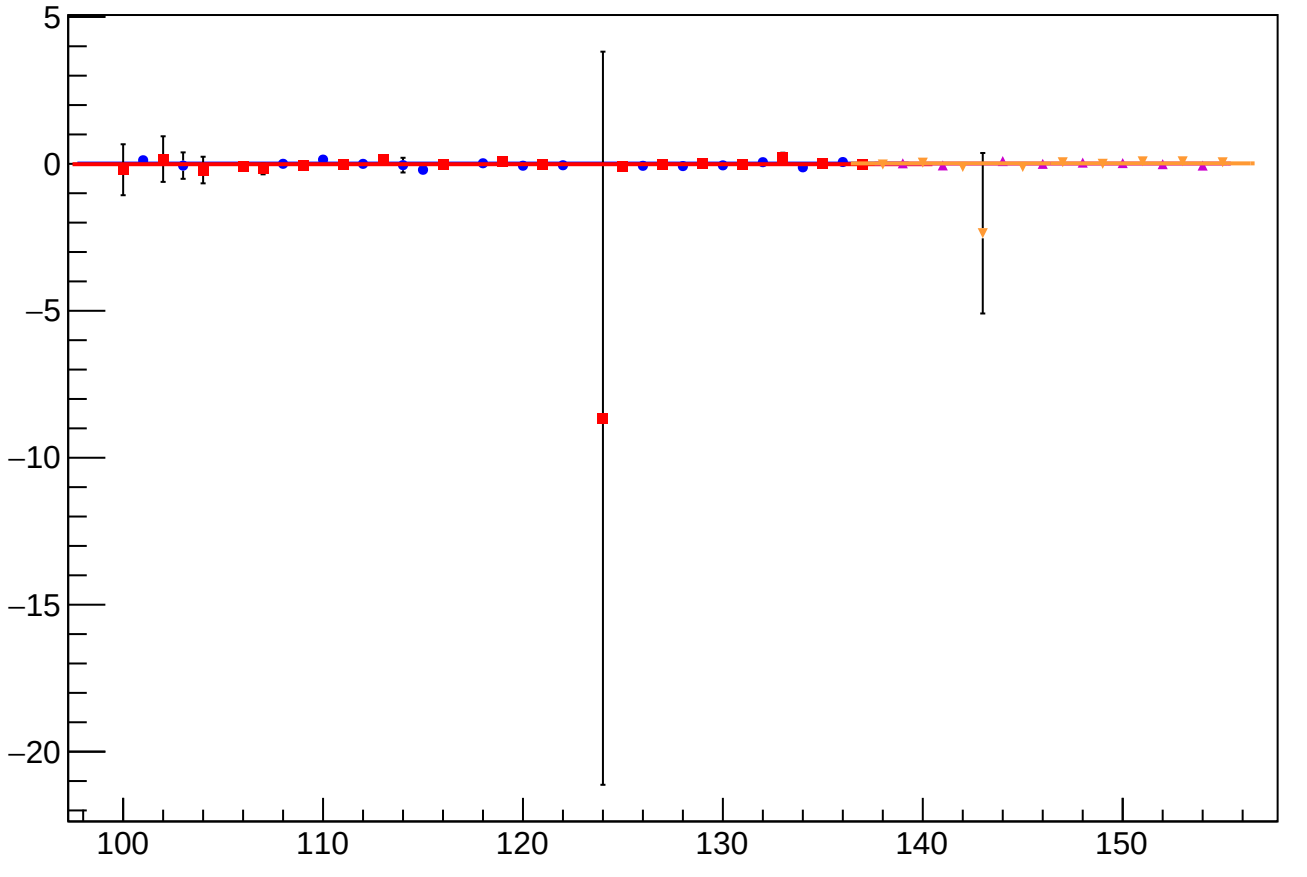
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.045+/-0.010 χ^2/NDF:1007221.1/7

+ sign 36.492+/-0.008 χ^2/NDF: 4678802.5/25

All: 35.849+/-0.005 χ^2/NDF: 8921028.5/52

- sign 35.210+/-0.008 χ^2/NDF: 4228362.9/26



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.016+/-0.015 χ^2/NDF:14.3/9

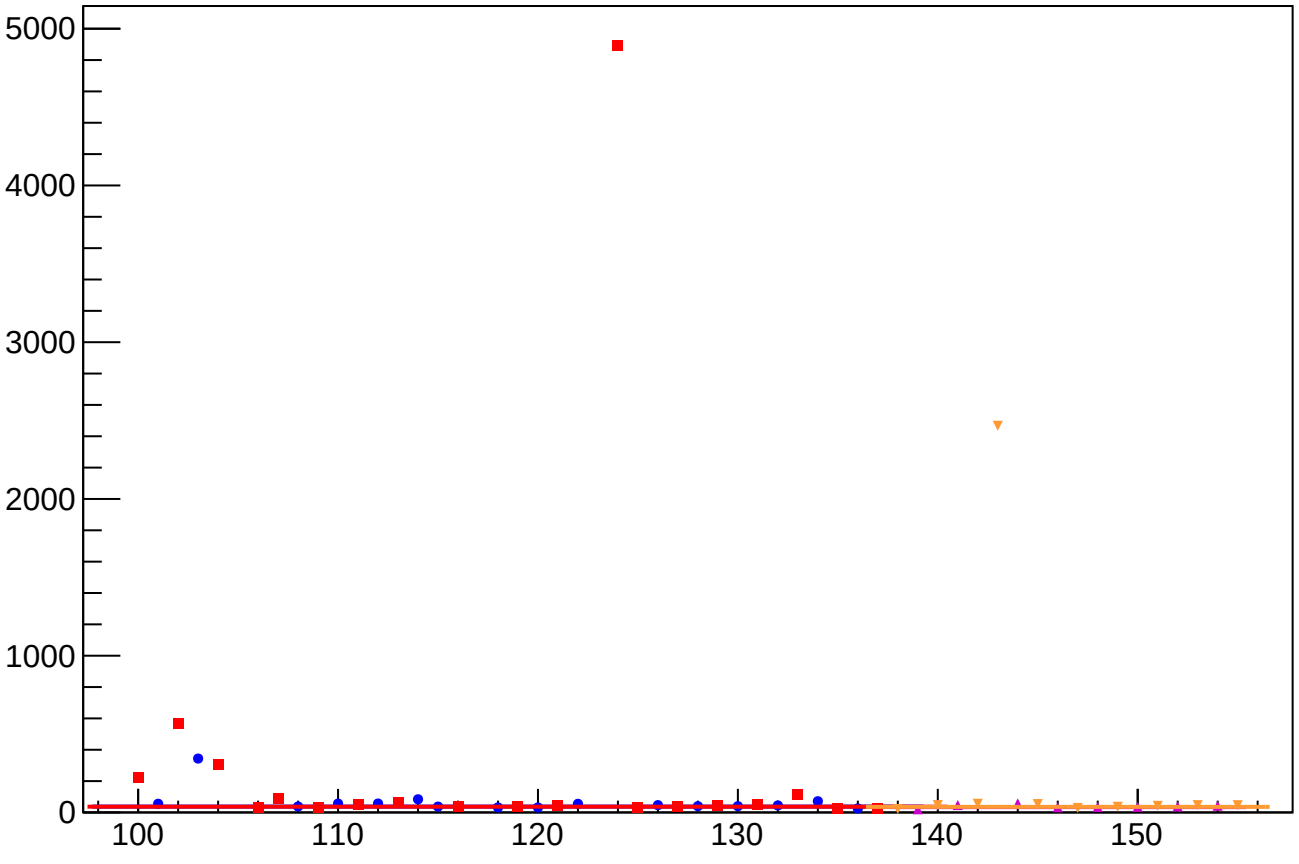
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.009+/-0.014 χ^2/NDF:6.3/7

+ sign 0.012+/-0.011 χ^2/NDF: 33.6/25

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

- sign -0.000+/-0.011 χ^2/NDF: 19.8/26



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.639+/-0.010 χ^2/NDF:2681192.6/9

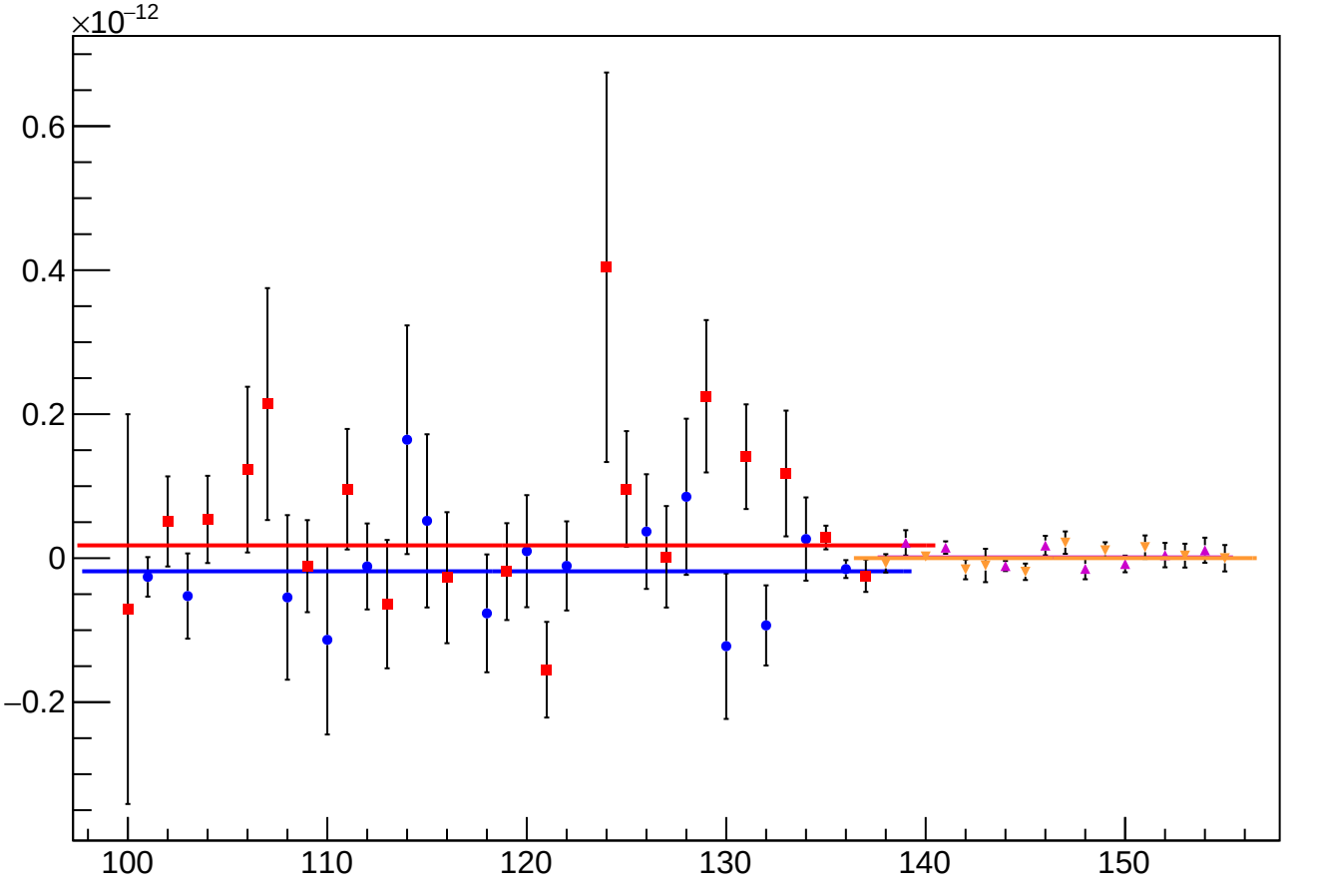
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.045+/-0.010 χ^2/NDF:1007221.1/7

+ sign 36.492+/-0.008 χ^2/NDF: 4678802.5/25

All: 35.849+/-0.005 χ^2/NDF: 8921028.5/52

- sign 35.210+/-0.008 χ^2/NDF: 4228362.9/26



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/9

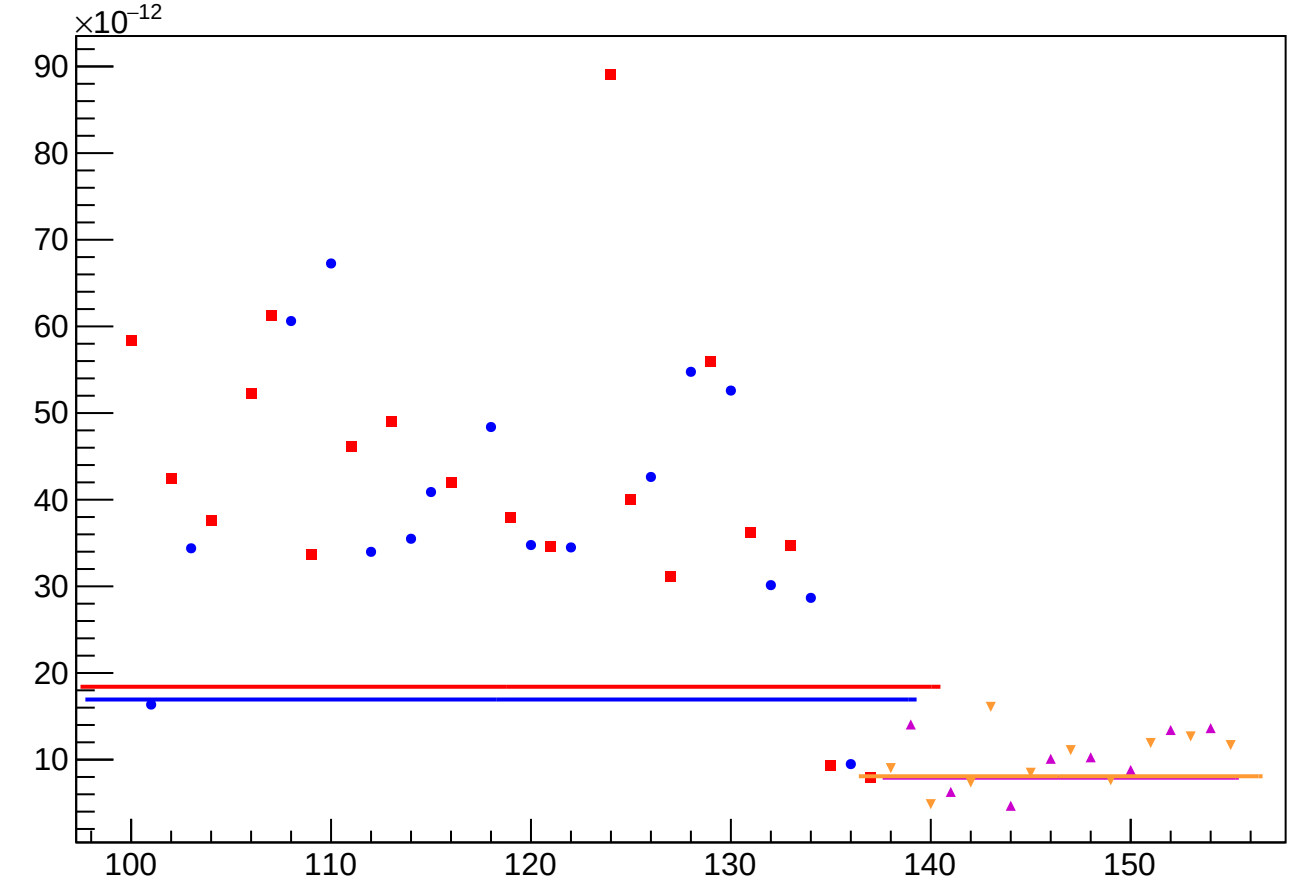
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/25

All: 0.000+/-0.000 χ^2/NDF: 60.4/52

- sign 0.000+/-0.000 χ^2/NDF: 39.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1135106.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

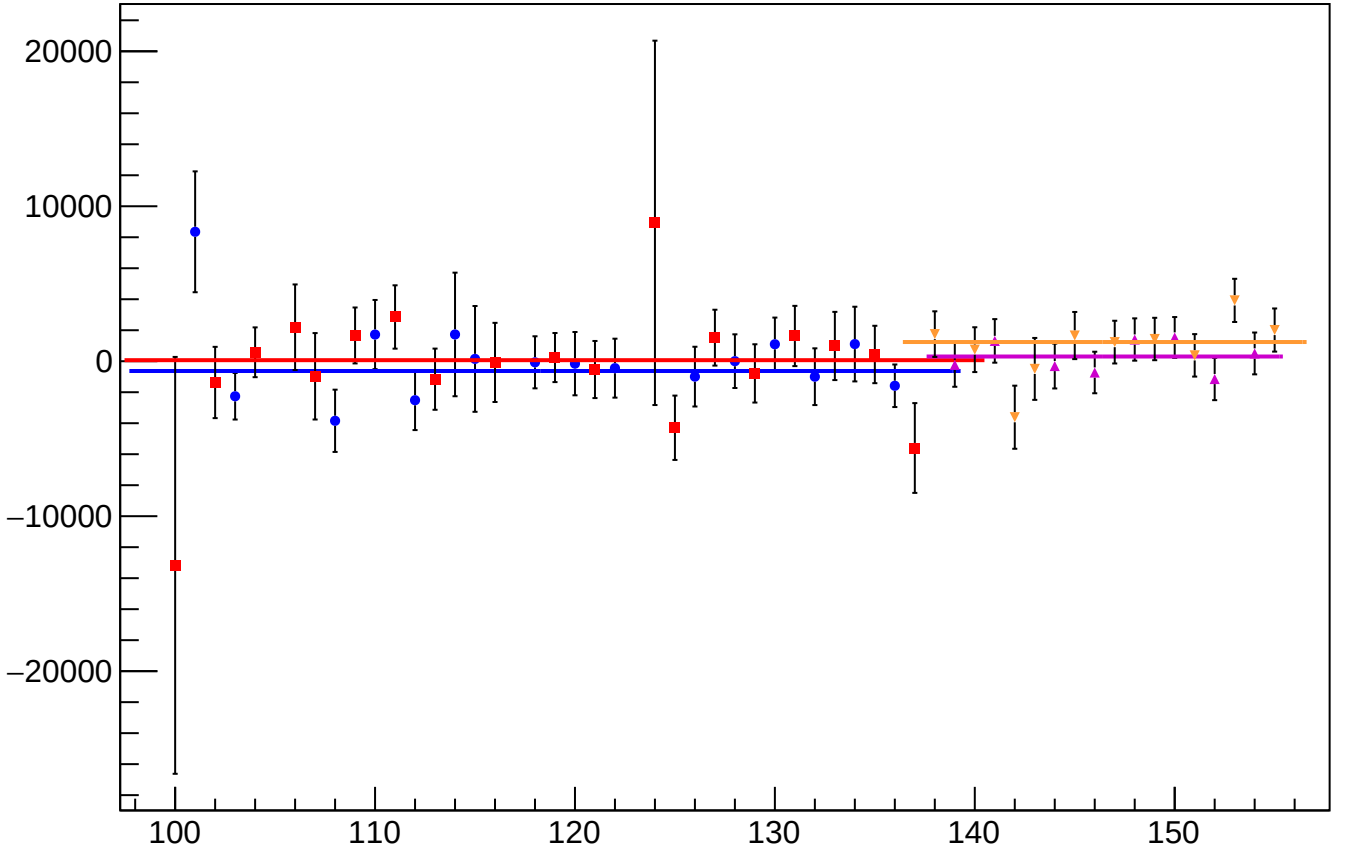
Left In: 0.000+/-0.000 χ^2/NDF:1283952.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 5723964.3/25

All: 0.000+/-0.000 χ^2/NDF: 12274351.0/52

- sign 0.000+/-0.000 χ^2/NDF: 6549317.2/26

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.494+/-472.044 χ^2/NDF:11.2/9

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

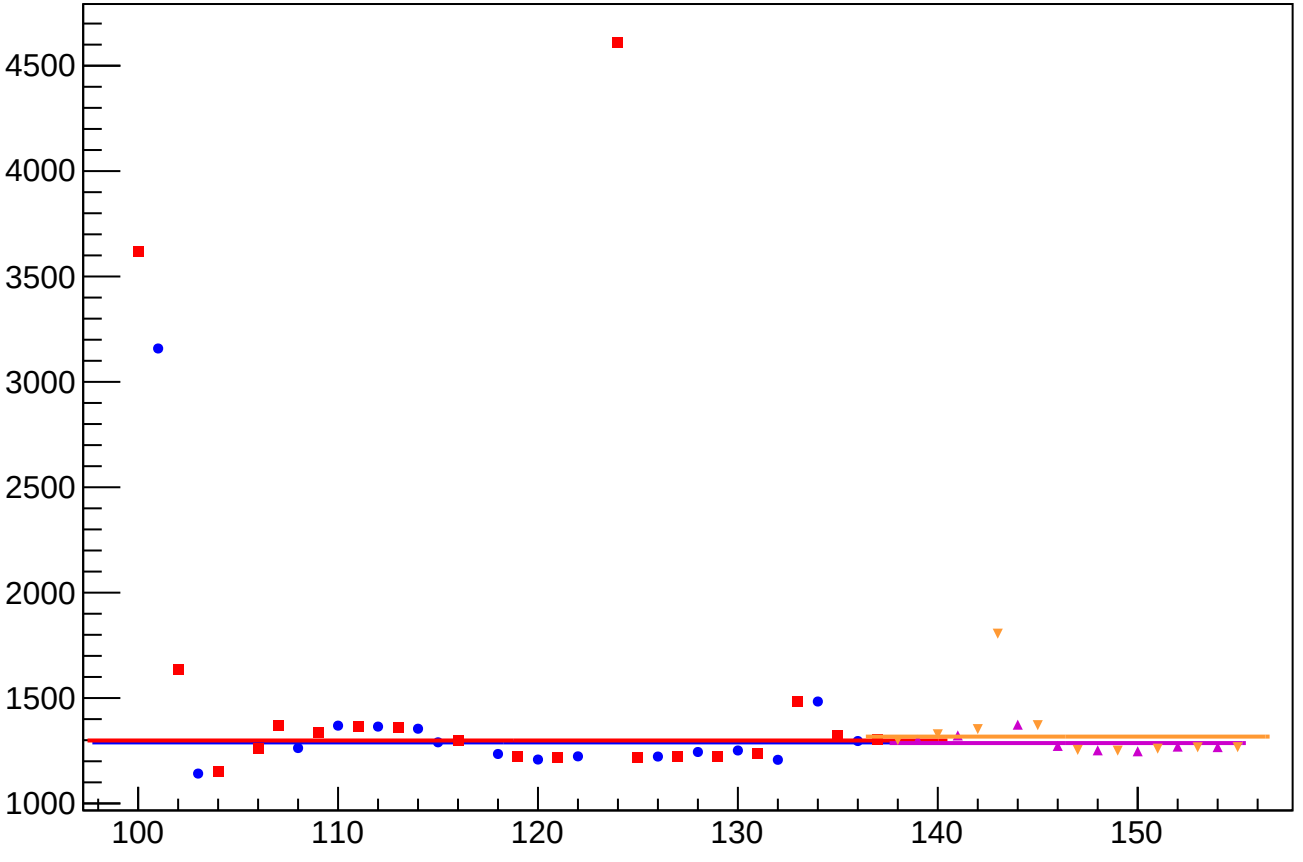
Left In: 304.408+/-485.703 χ^2/NDF:4.1/7

+ sign 336.574+/-339.509 χ^2/NDF: 32.7/25

All: 262.572+/-241.700 χ^2/NDF: 52.9/52

- sign 186.526+/-344.169 χ^2/NDF: 20.1/26

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

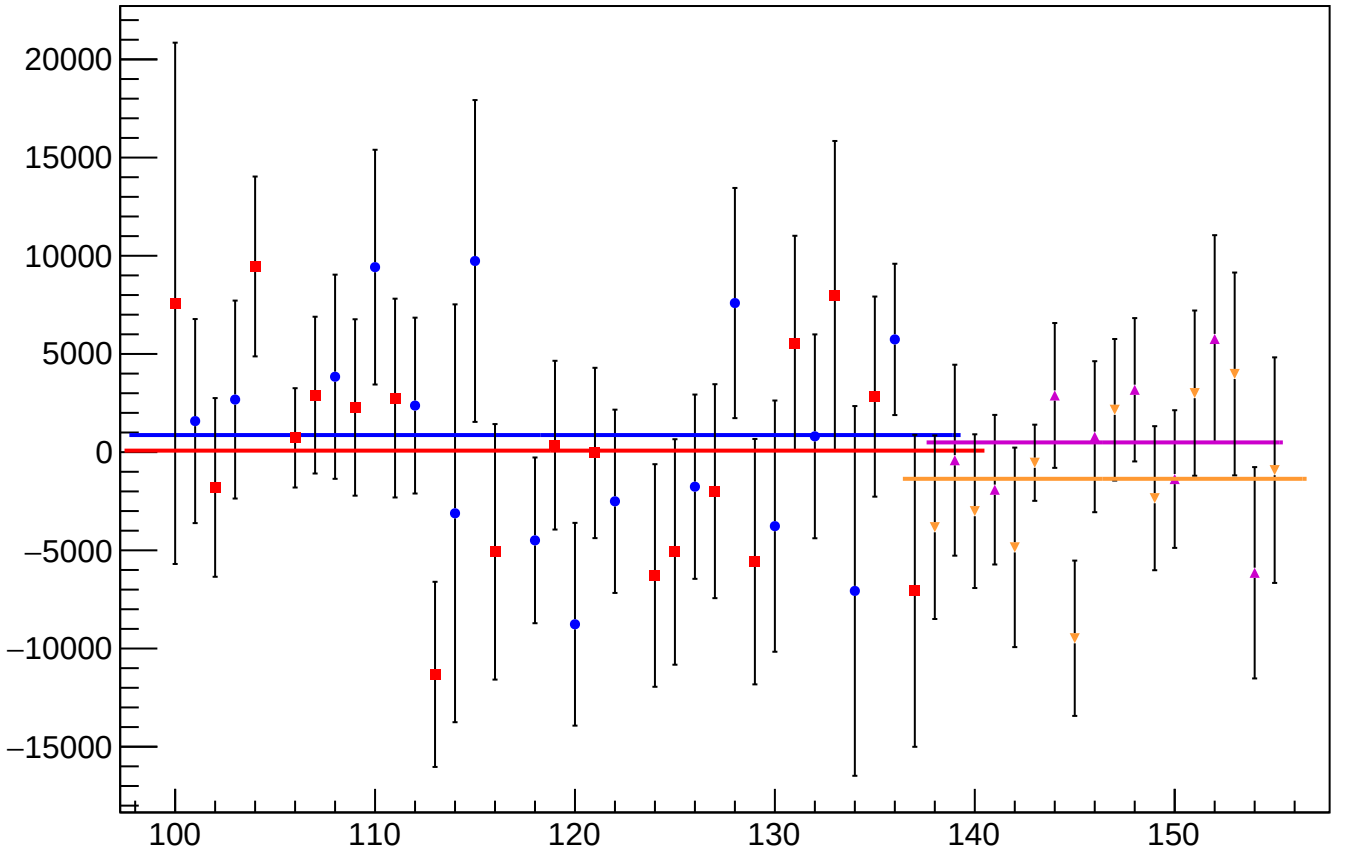
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

+ sign 1303.750+/-0.240 χ^2/NDF: 658600.2/25

All: 1298.200+/-0.171 χ^2/NDF: 992461.5/52

- sign 1292.513+/-0.243 χ^2/NDF: 332779.3/26



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1357.908+/-1150.718 χ^2/NDF:8.5/9

Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

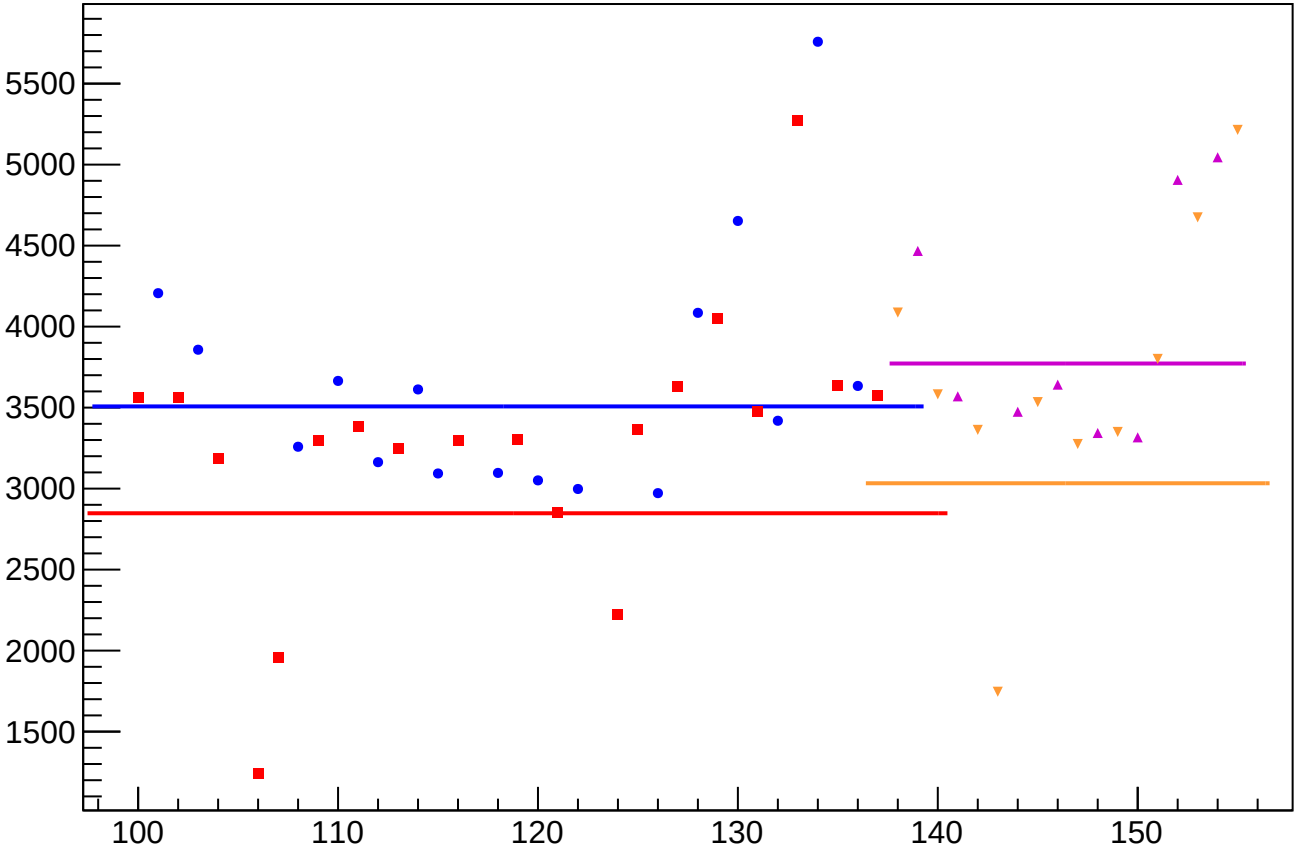
Left In: 495.554+/-1444.613 χ^2/NDF:4.2/7

+ sign -400.120+/-868.889 χ^2/NDF: 24.1/25

All: -87.952+/-618.536 χ^2/NDF: 47.0/52

- sign 232.770+/-880.713 χ^2/NDF: 22.6/26

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3033.033+/-0.814 χ^2/NDF:1643086.7/9

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

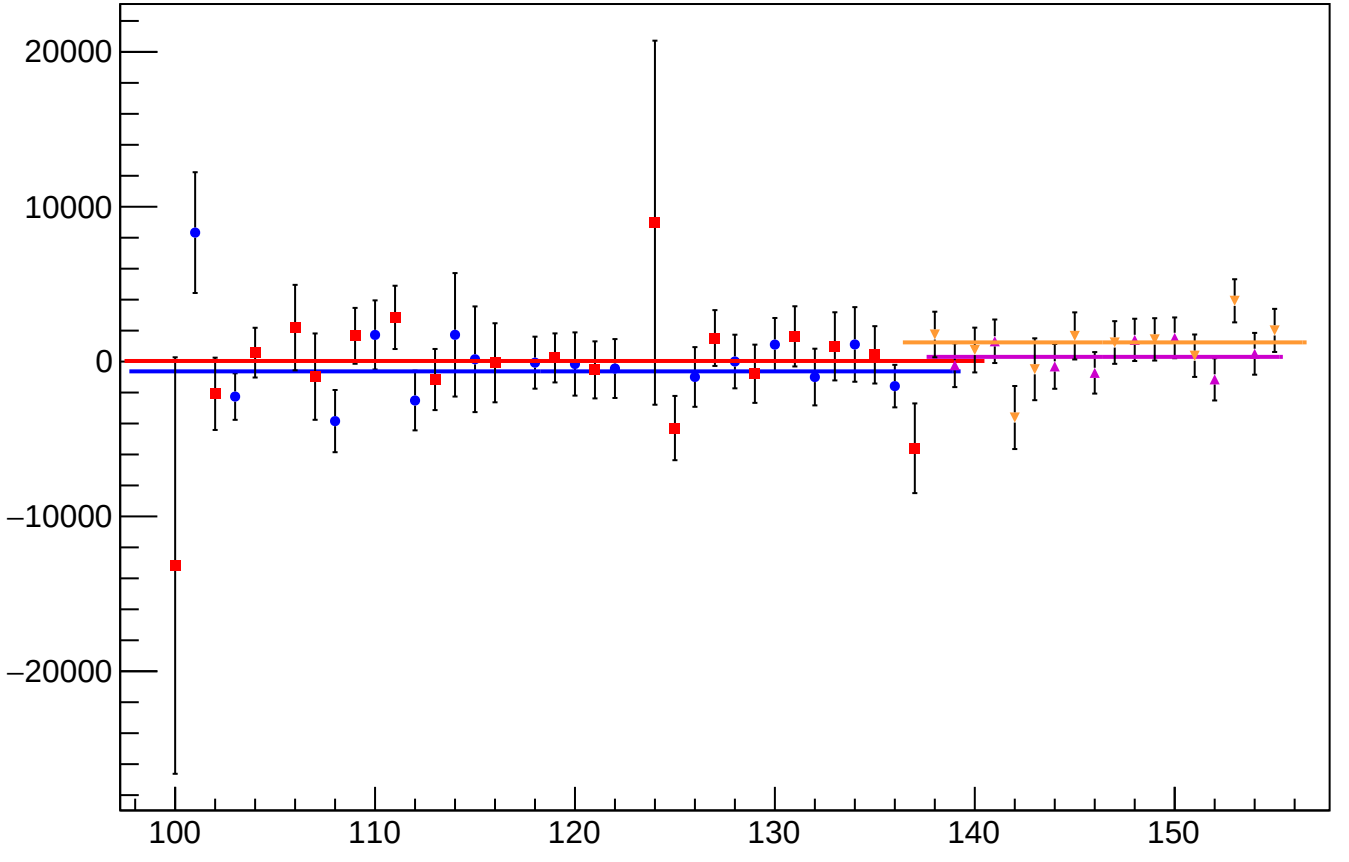
Left In: 3772.211+/-1.021 χ^2/NDF:327203.3/7

+ sign 3236.937+/-0.614 χ^2/NDF: 2143159.2/25

All: 3214.478+/-0.437 χ^2/NDF: 4486973.6/52

- sign 3191.403+/-0.623 χ^2/NDF: 2341105.2/26

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

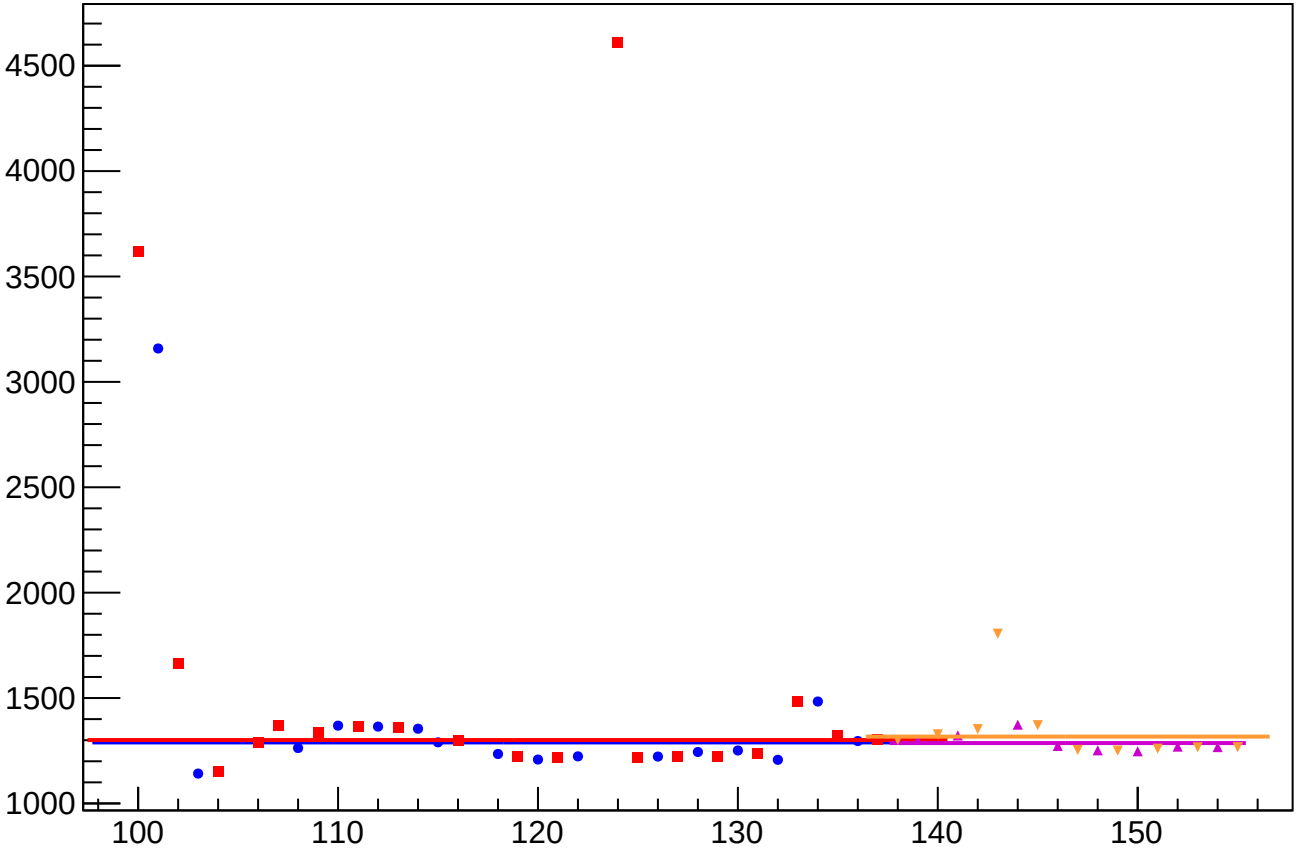
Left In: 304.385+/-485.703 χ^2/NDF:4.1/7

+ sign 336.365+/-339.509 χ^2/NDF: 32.6/25

All: 255.406+/-241.739 χ^2/NDF: 53.3/52

- sign 172.154+/-344.283 χ^2/NDF: 20.6/26

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

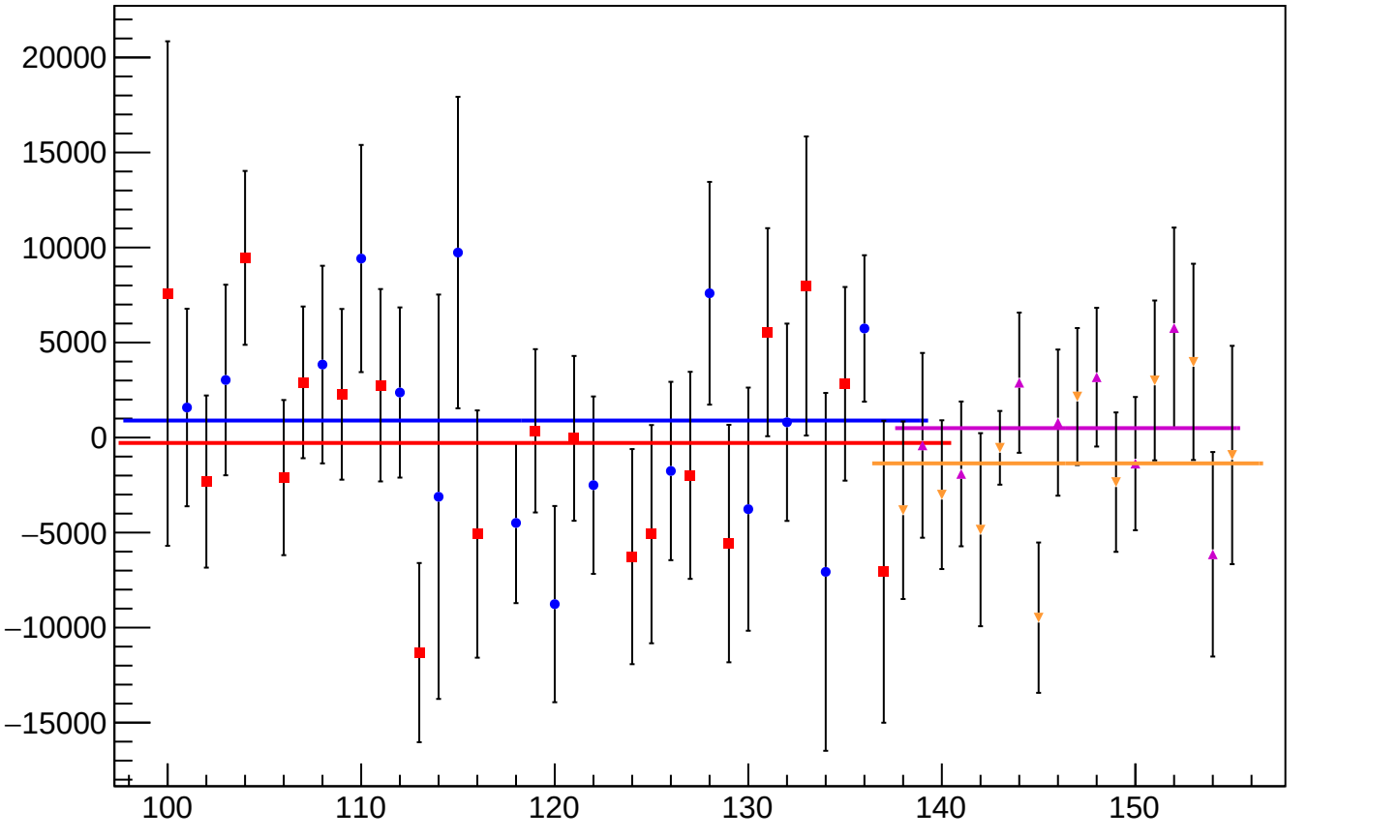
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

+ sign 1303.749+/-0.240 χ^2/NDF: 658601.8/25

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52

- sign 1293.515+/-0.243 χ^2/NDF: 339538.9/26



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1357.832+/-1150.716 χ^2/NDF:8.5/9

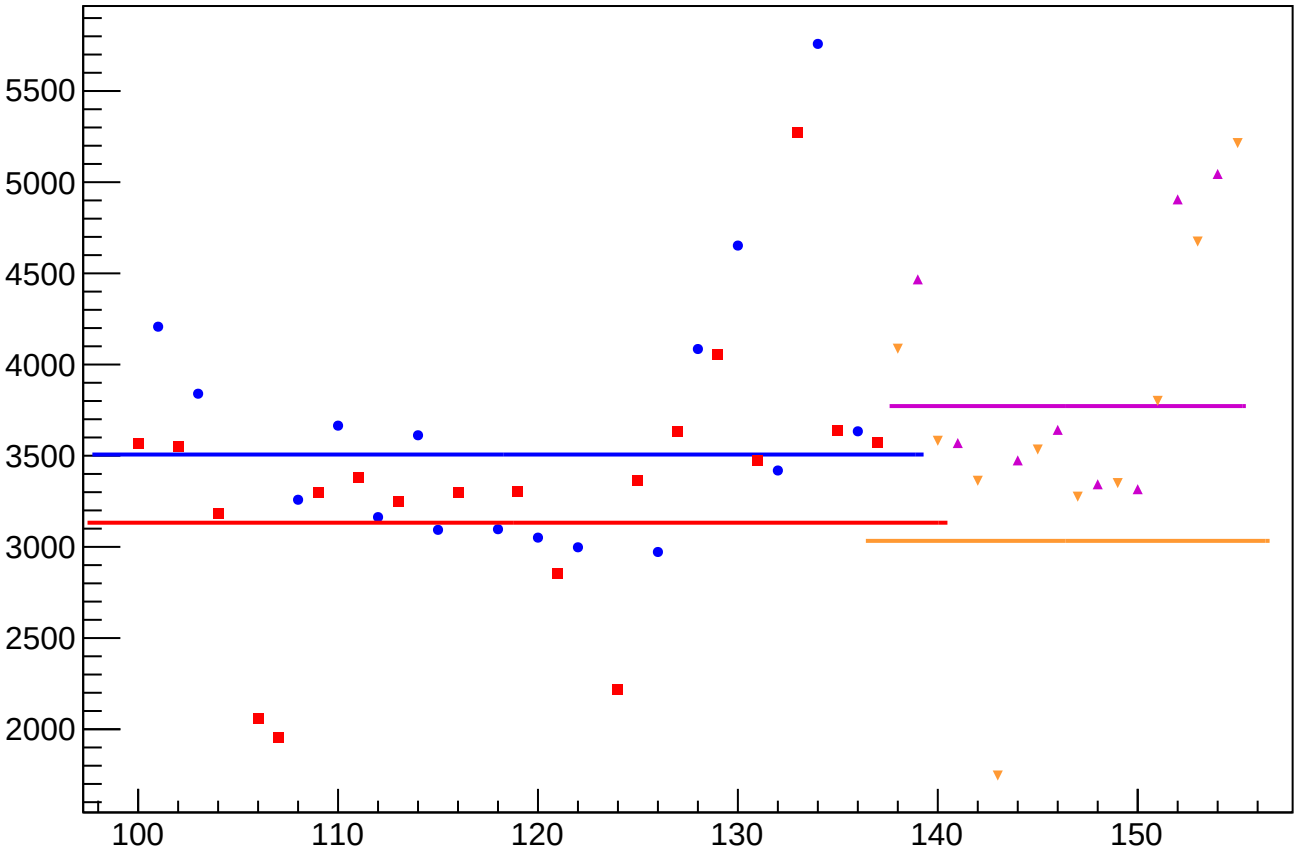
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 495.604+/-1444.611 χ^2/NDF:4.2/7

+ sign -388.643+/-868.760 χ^2/NDF: 24.2/25

All: -190.709+/-630.132 χ^2/NDF: 47.3/52

- sign 29.021+/-915.346 χ^2/NDF: 23.0/26



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

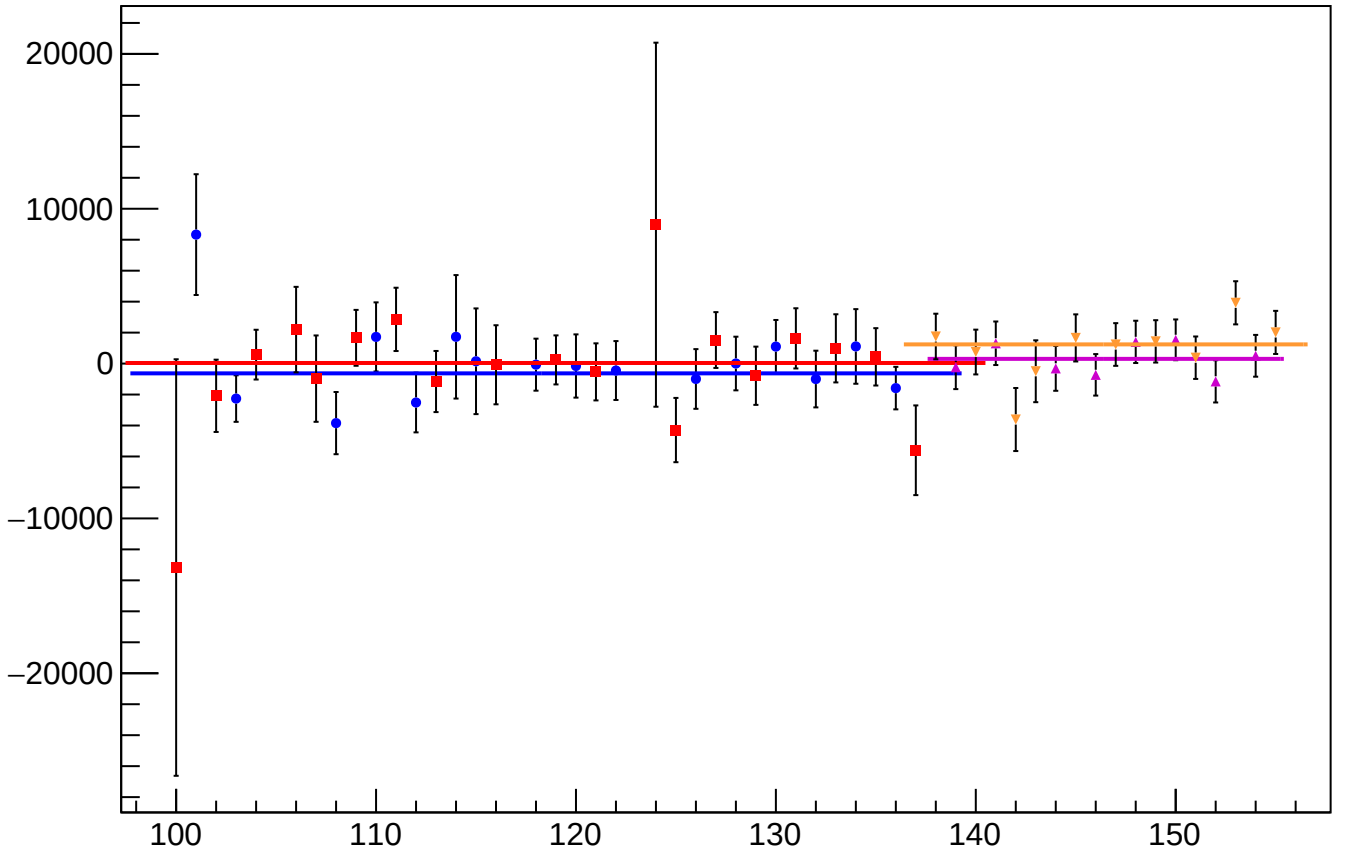
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

+ sign 3236.618+/-0.614 χ^2/NDF: 2141946.4/25

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52

- sign 3389.384+/-0.647 χ^2/NDF: 1211478.1/26



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

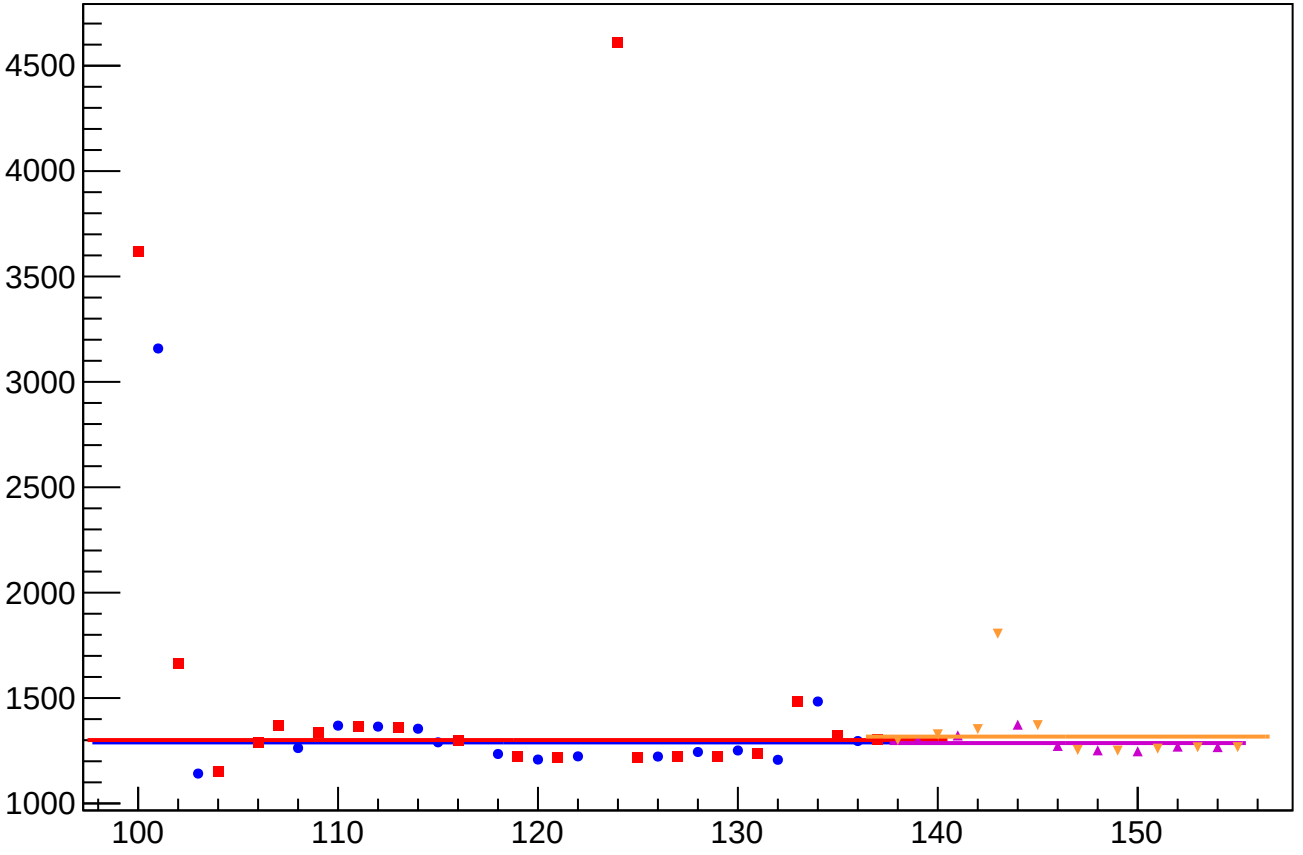
Left In: 304.385+/-485.703 χ^2/NDF:4.1/7

+ sign 336.365+/-339.509 χ^2/NDF: 32.6/25

All: 255.406+/-241.739 χ^2/NDF: 53.3/52

- sign 172.154+/-344.283 χ^2/NDF: 20.6/26

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: 1317.078+/-0.334 χ^2/NDF:140622.0/9

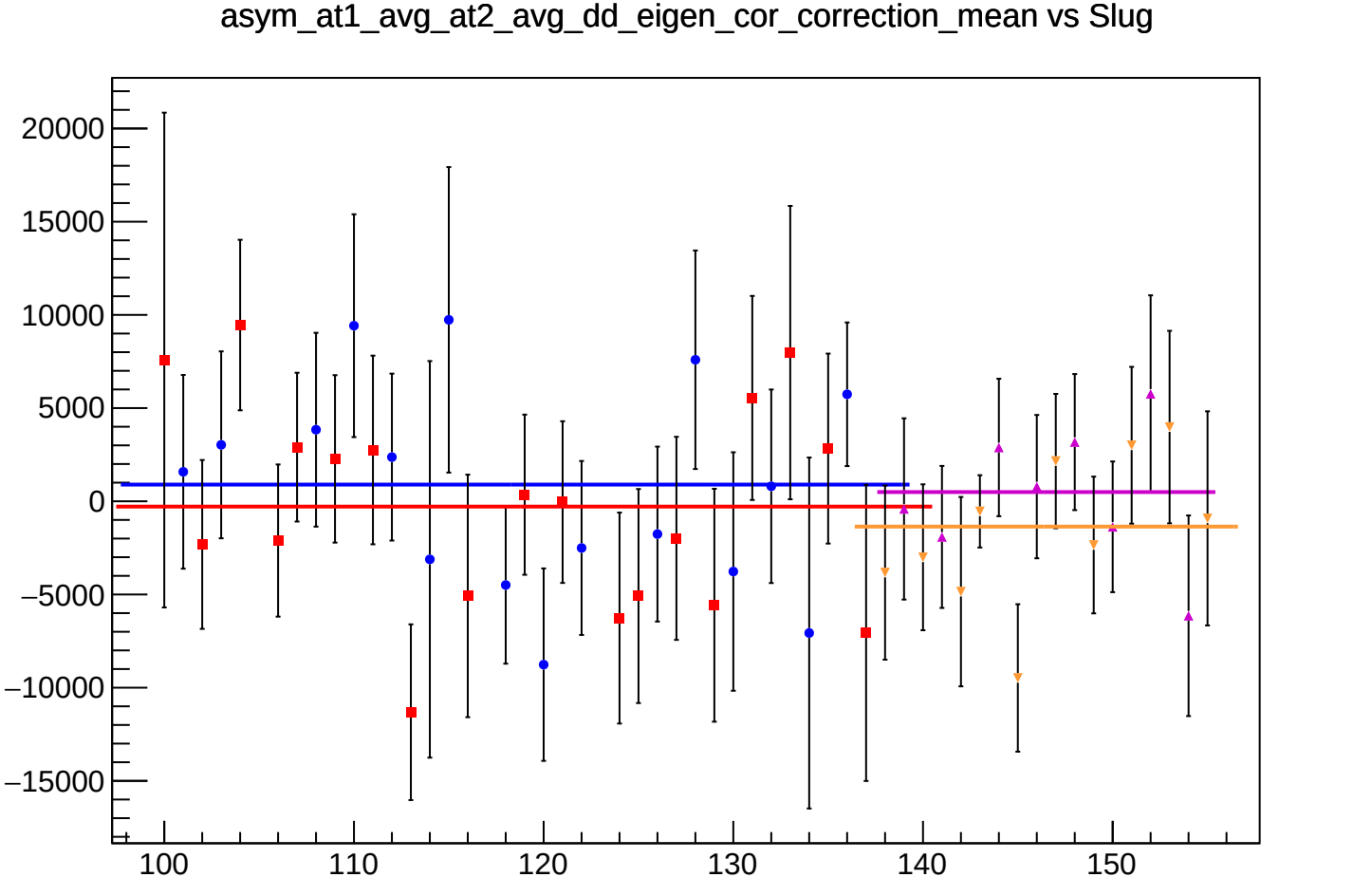
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

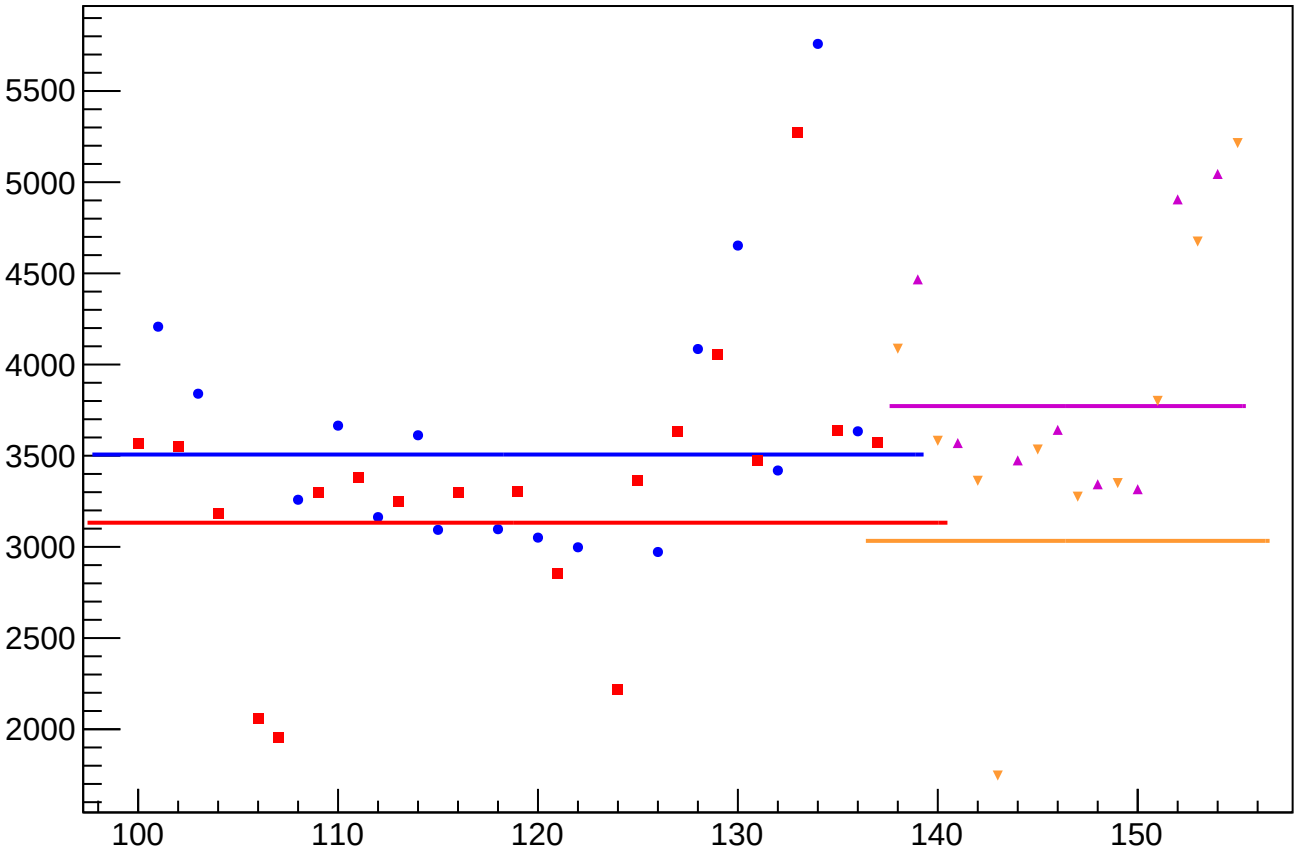
Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

+ sign 1303.749+/-0.240 χ^2/NDF: 658601.8/25

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52

- sign 1293.515+/-0.243 χ^2/NDF: 339538.9/26


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
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1357.832+/-1150.716 χ²/NDF:8.5/9
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 495.604+/-1444.611 χ²/NDF:4.2/7
+ sign -388.643+/-868.760 χ²/NDF: 24.2/25
All: -190.709+/-630.132 χ²/NDF: 47.3/52
- sign 29.021+/-915.346 χ²/NDF: 23.0/26



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

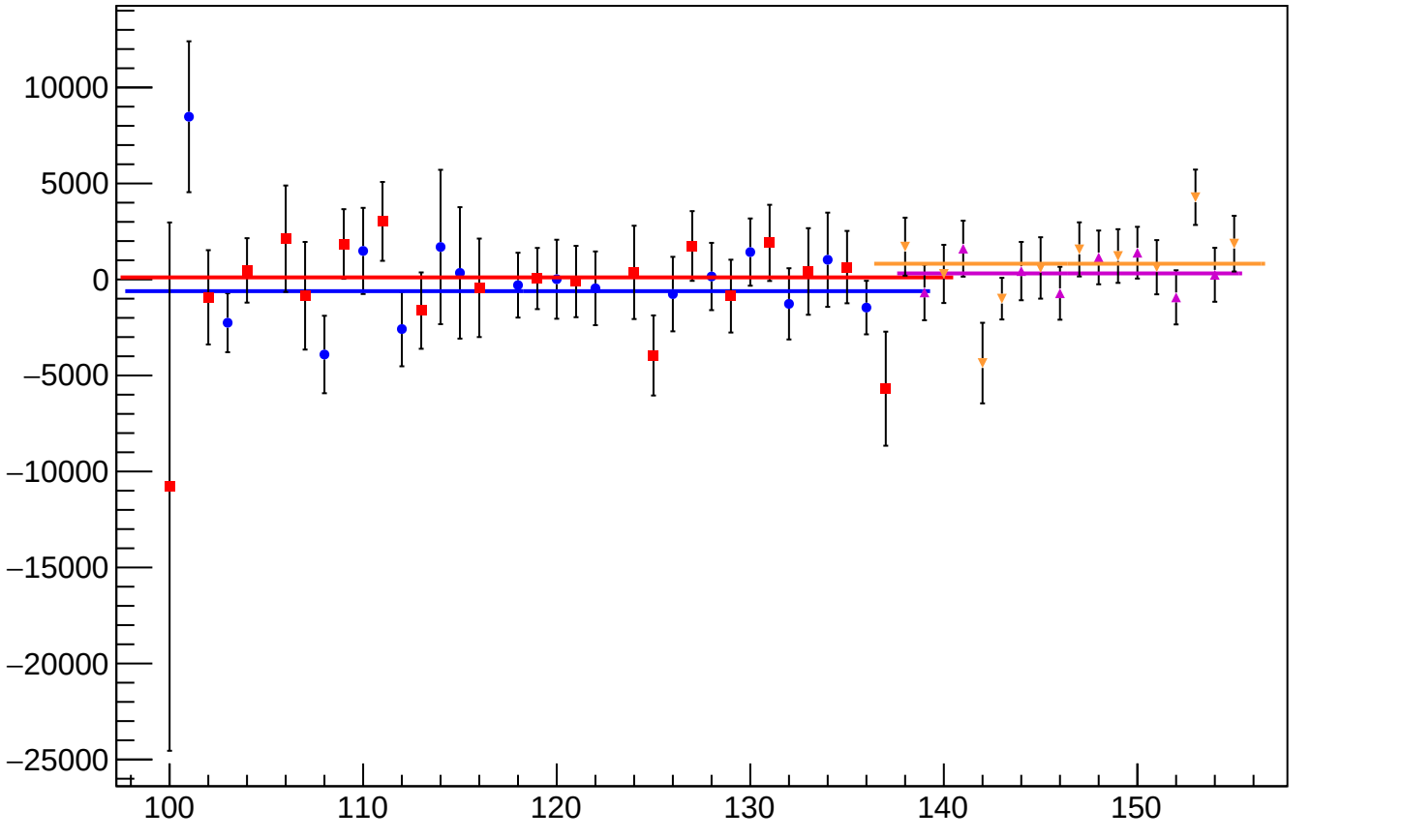
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

+ sign 3236.618+/-0.614 χ^2/NDF: 2141946.4/25

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52

- sign 3389.384+/-0.647 χ^2/NDF: 1211478.1/26



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

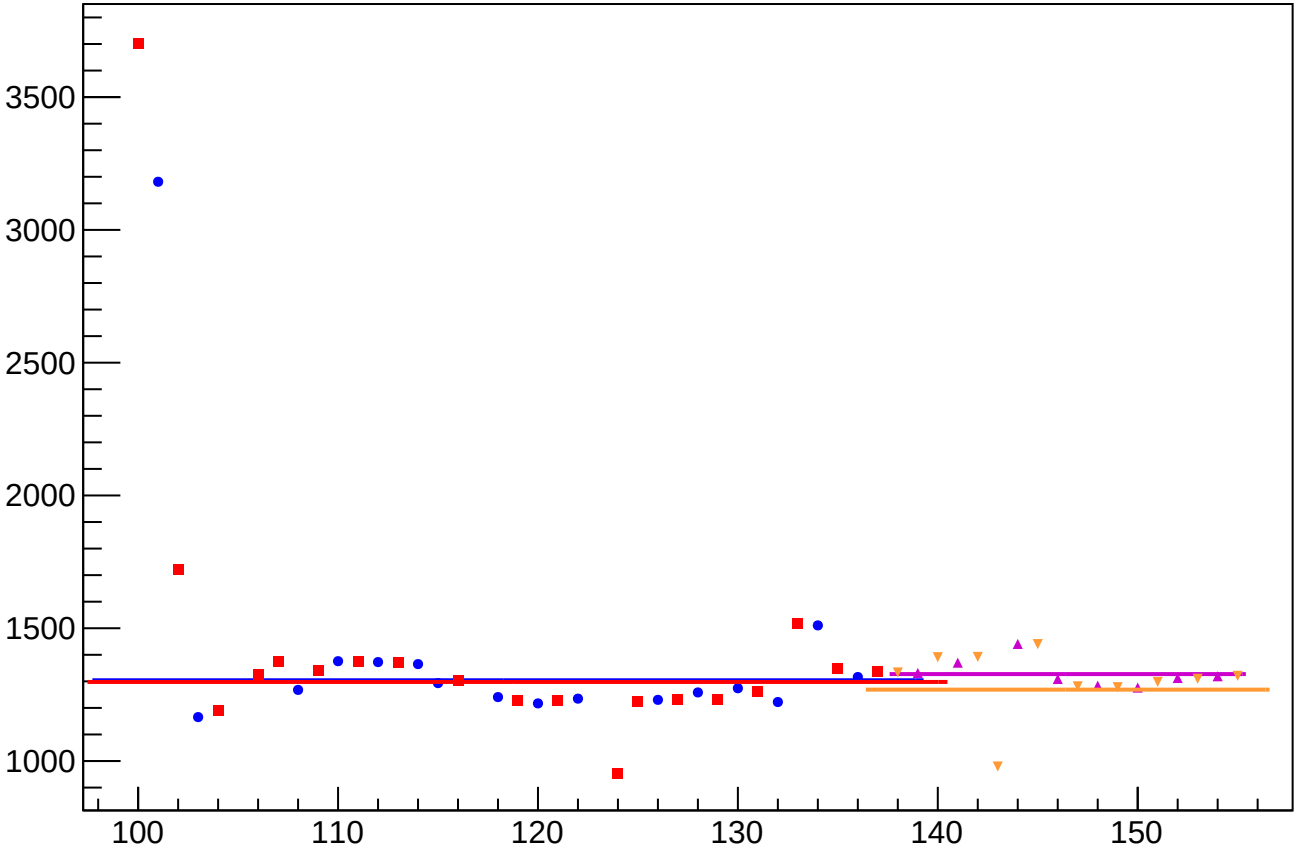
Left In: 315.673+/-501.326 χ^2/NDF:3.6/7

+ sign 164.232+/-334.971 χ^2/NDF: 34.7/25

All: 185.633+/-241.595 χ^2/NDF: 53.2/52

- sign 208.835+/-348.780 χ^2/NDF: 18.6/26

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1268.816+/-0.322 χ^2/NDF:194521.7/9

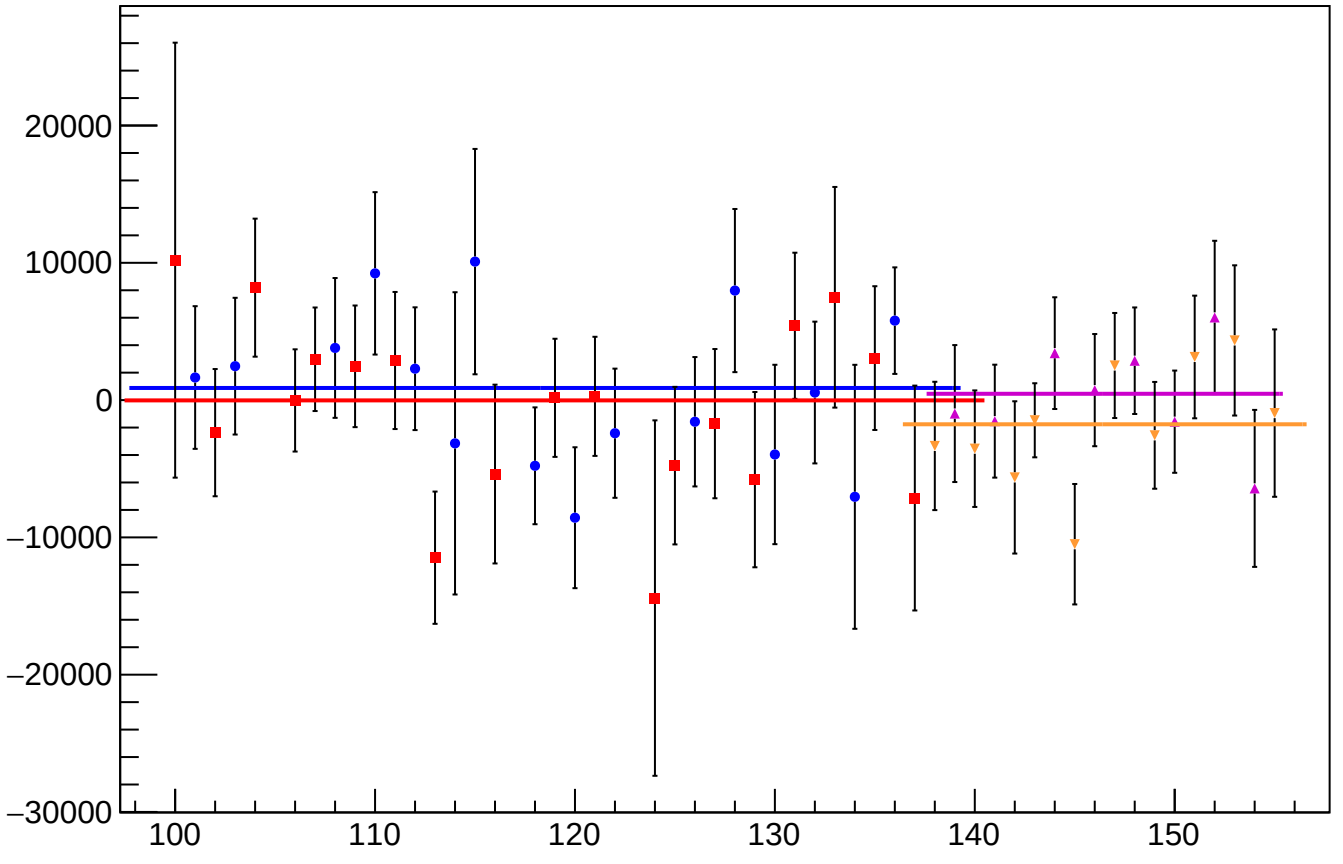
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.399+/-0.354 χ^2/NDF:18384.6/7

+ sign 1285.028+/-0.237 χ^2/NDF: 710623.1/25

All: 1298.029+/-0.171 χ^2/NDF: 951982.0/52

- sign 1312.114+/-0.247 χ^2/NDF: 235082.4/26



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1760.925+/-1326.844 χ^2/NDF:8.5/9

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

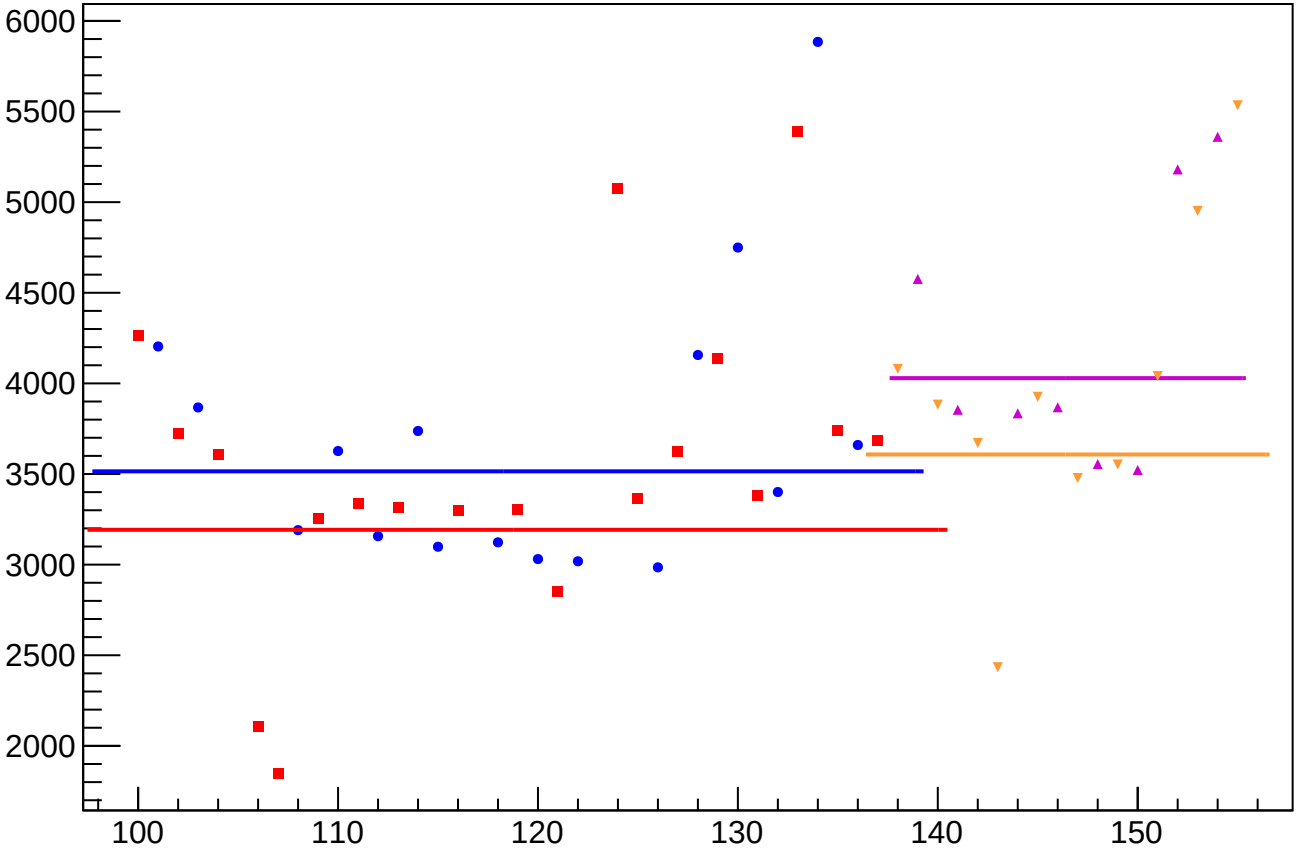
Left In: 460.355+/-1541.521 χ^2/NDF:4.0/7

+ sign -438.986+/-938.417 χ^2/NDF: 24.6/25

All: -141.783+/-666.547 χ^2/NDF: 45.7/52

- sign 160.831+/-946.920 χ^2/NDF: 20.9/26

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3607.808+/-0.938 χ^2/NDF:760158.3/9

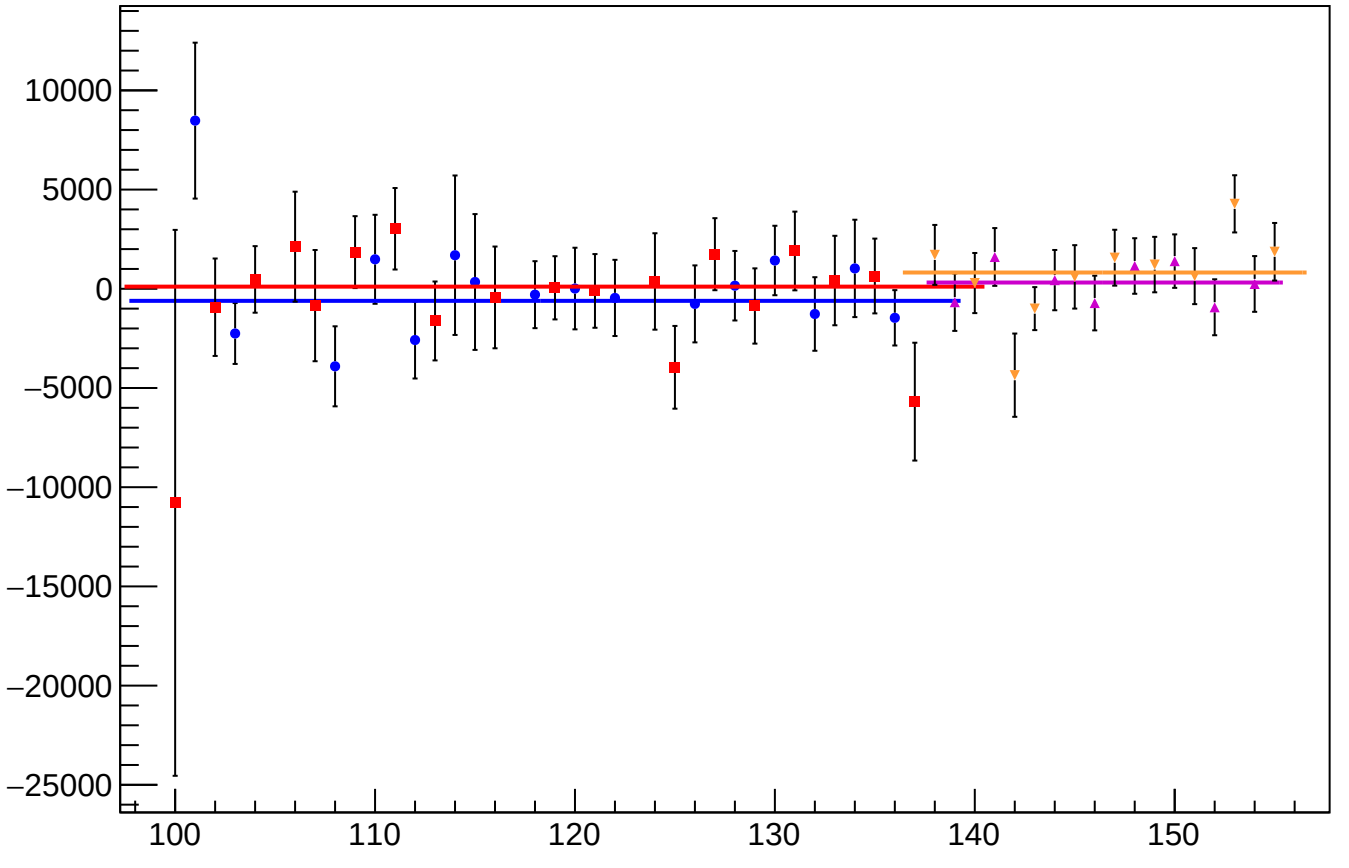
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4029.067+/-1.090 χ^2/NDF:295872.9/7

+ sign 3561.296+/-0.664 χ^2/NDF: 1140154.3/25

All: 3534.880+/-0.471 χ^2/NDF: 2578745.4/52

- sign 3507.982+/-0.670 χ^2/NDF: 1435392.6/26



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

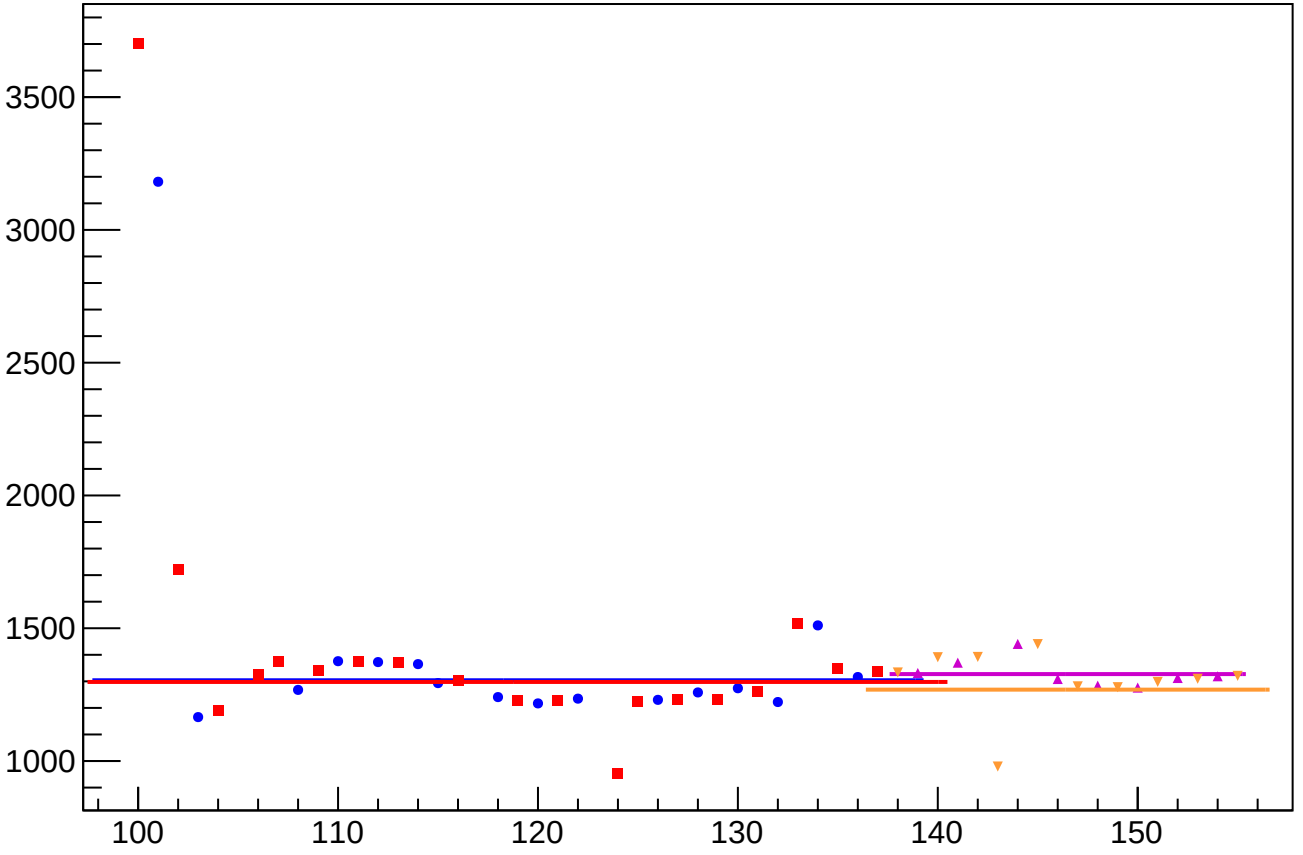
Left In: 315.671+/-501.326 χ^2/NDF:3.6/7

+ sign 164.230+/-334.971 χ^2/NDF: 34.7/25

All: 185.633+/-241.595 χ^2/NDF: 53.2/52

- sign 208.837+/-348.781 χ^2/NDF: 18.6/26

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: 1268.817+/-0.322 χ^2/NDF:194522.0/9

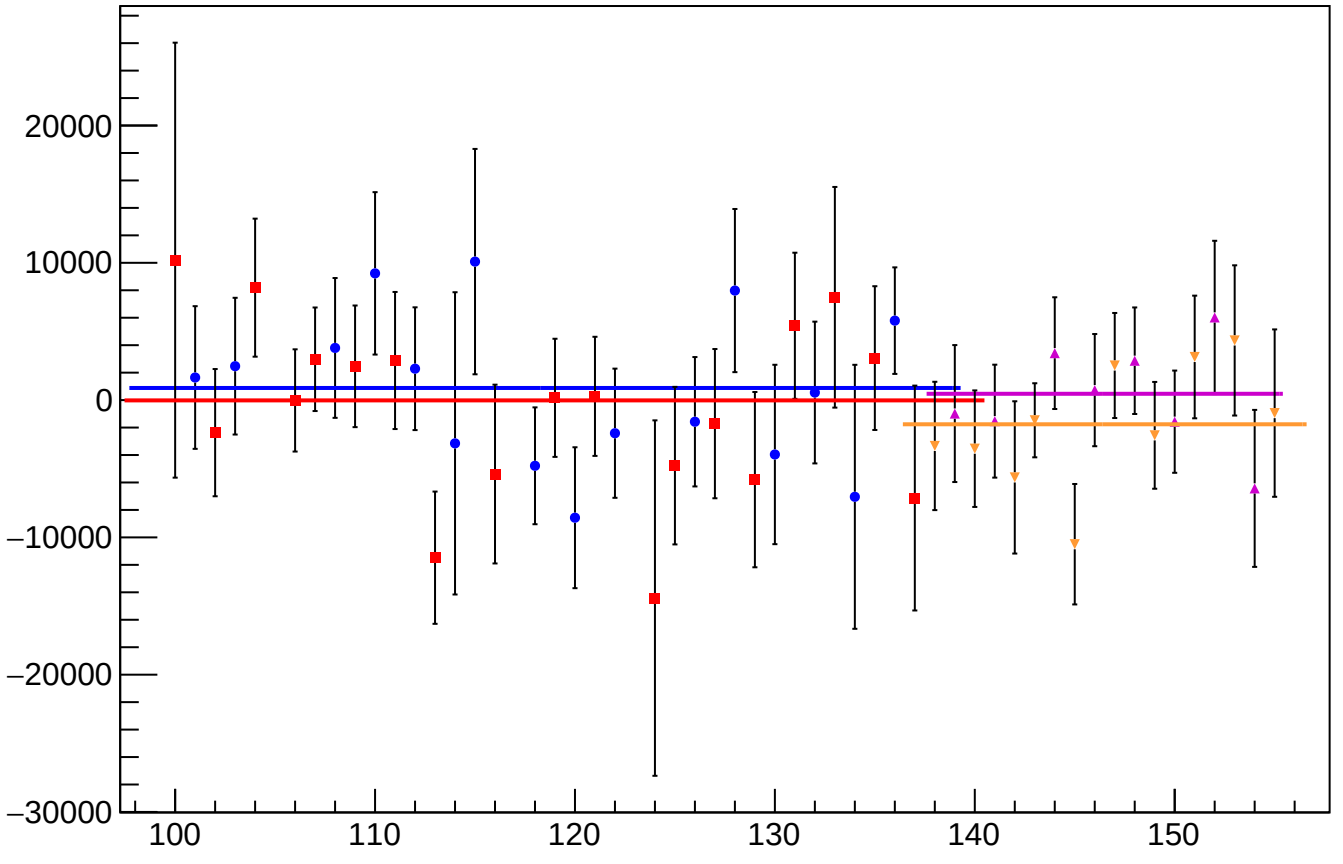
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.400+/-0.354 χ^2/NDF:18384.7/7

+ sign 1285.029+/-0.237 χ^2/NDF: 710623.2/25

All: 1298.030+/-0.171 χ^2/NDF: 951982.6/52

- sign 1312.114+/-0.247 χ^2/NDF: 235082.8/26



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1760.923+/-1326.846 χ^2/NDF:8.5/9

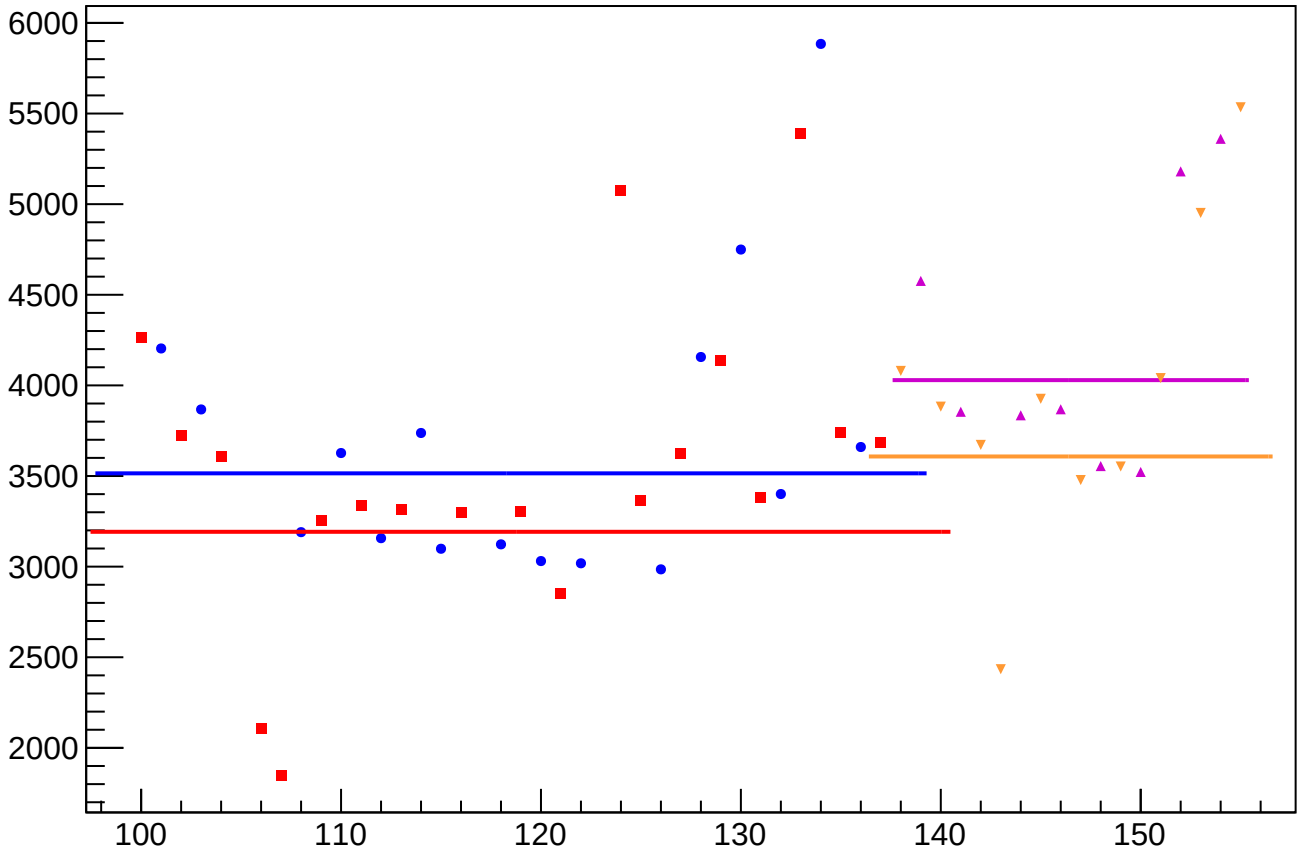
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 460.354+/-1541.523 χ^2/NDF:4.0/7

+ sign -438.985+/-938.416 χ^2/NDF: 24.6/25

All: -141.782+/-666.546 χ^2/NDF: 45.7/52

- sign 160.832+/-946.920 χ^2/NDF: 20.9/26



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3607.813+/-0.938 χ^2/NDF:760158.4/9

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

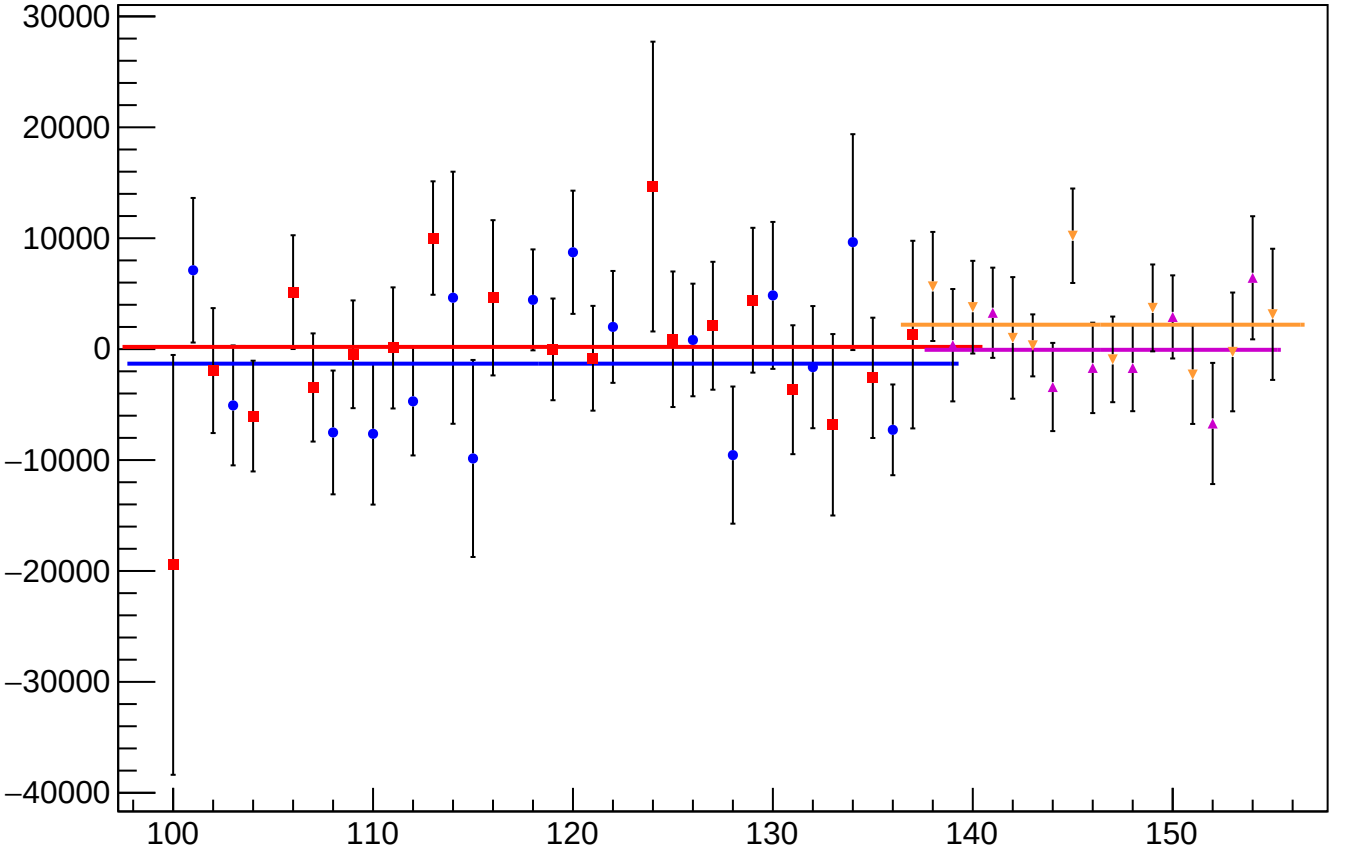
Left In: 4029.072+/-1.090 χ^2/NDF:295873.4/7

+ sign 3561.294+/-0.664 χ^2/NDF: 1140160.1/25

All: 3534.876+/-0.471 χ^2/NDF: 2578765.7/52

- sign 3507.978+/-0.670 χ^2/NDF: 1435406.8/26

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2203.166+/-1334.679 χ^2/NDF:6.7/9

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

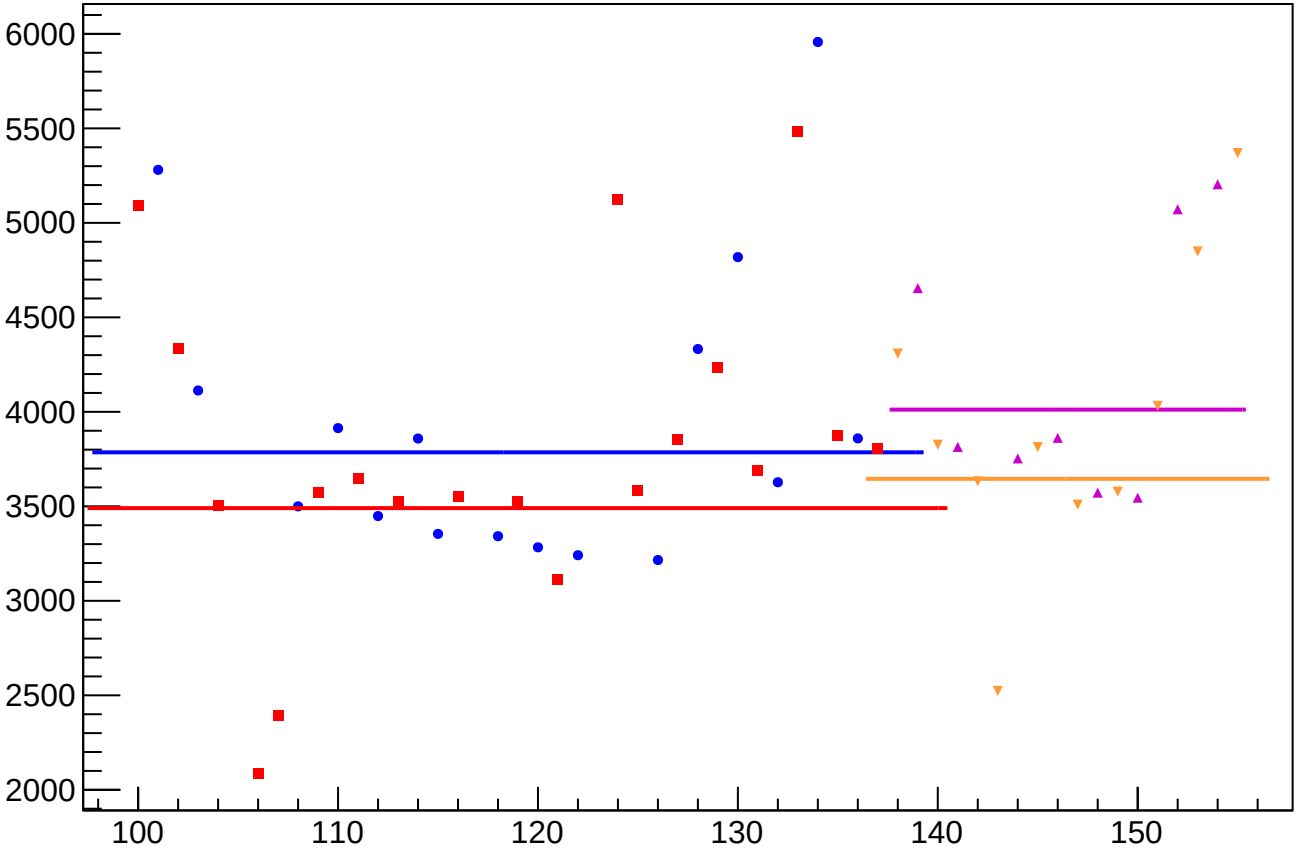
Left In: -60.364+/-1532.346 χ^2/NDF:5.2/7

\+ sign 569.854+/-976.235 χ^2/NDF: 27.5/25

All: 336.628+/-700.937 χ^2/NDF: 44.5/52

\- sign 88.457+/-1007.032 χ^2/NDF: 16.9/26

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3645.649+/-0.944 χ^2/NDF:654864.0/9

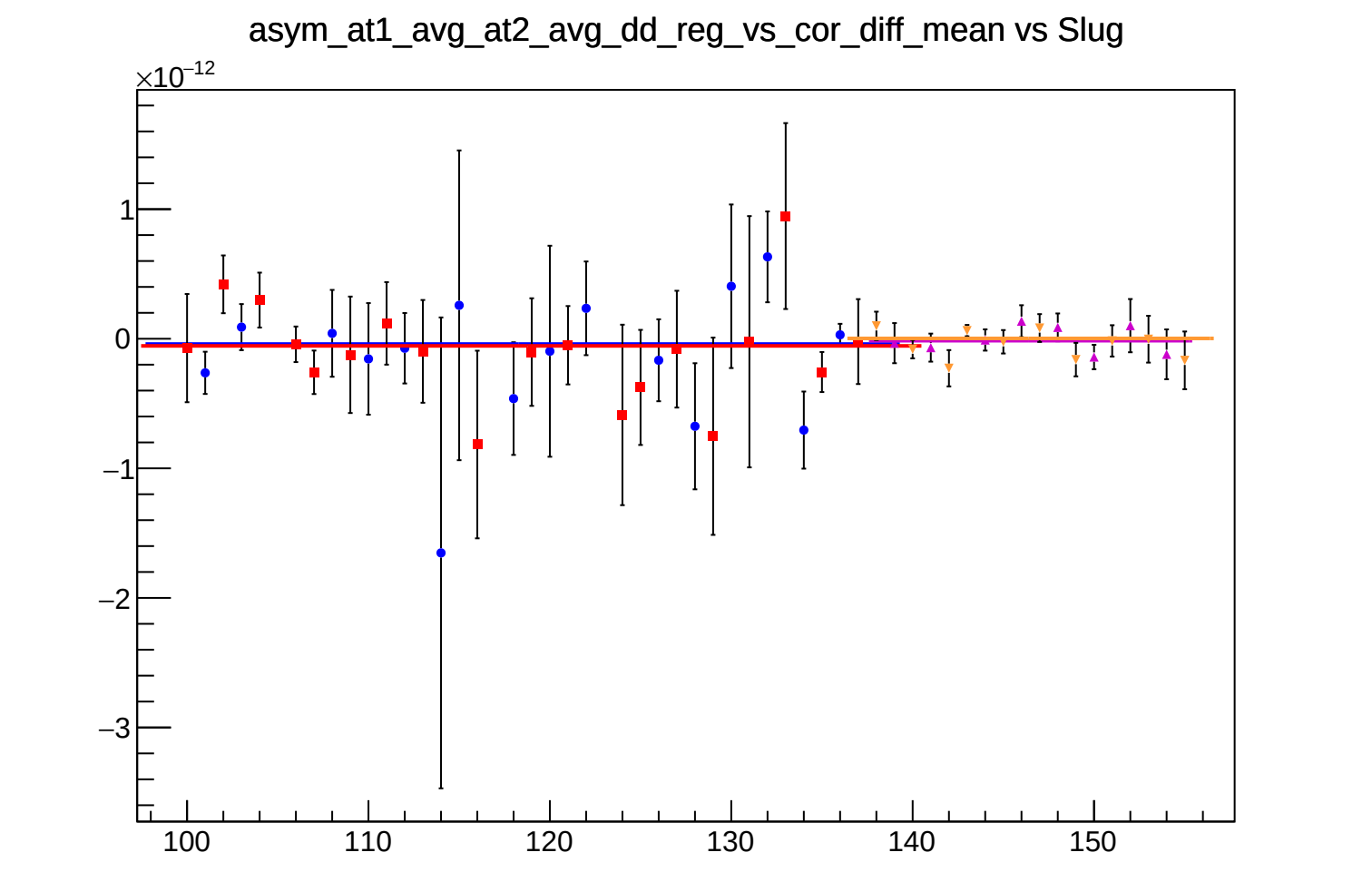
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

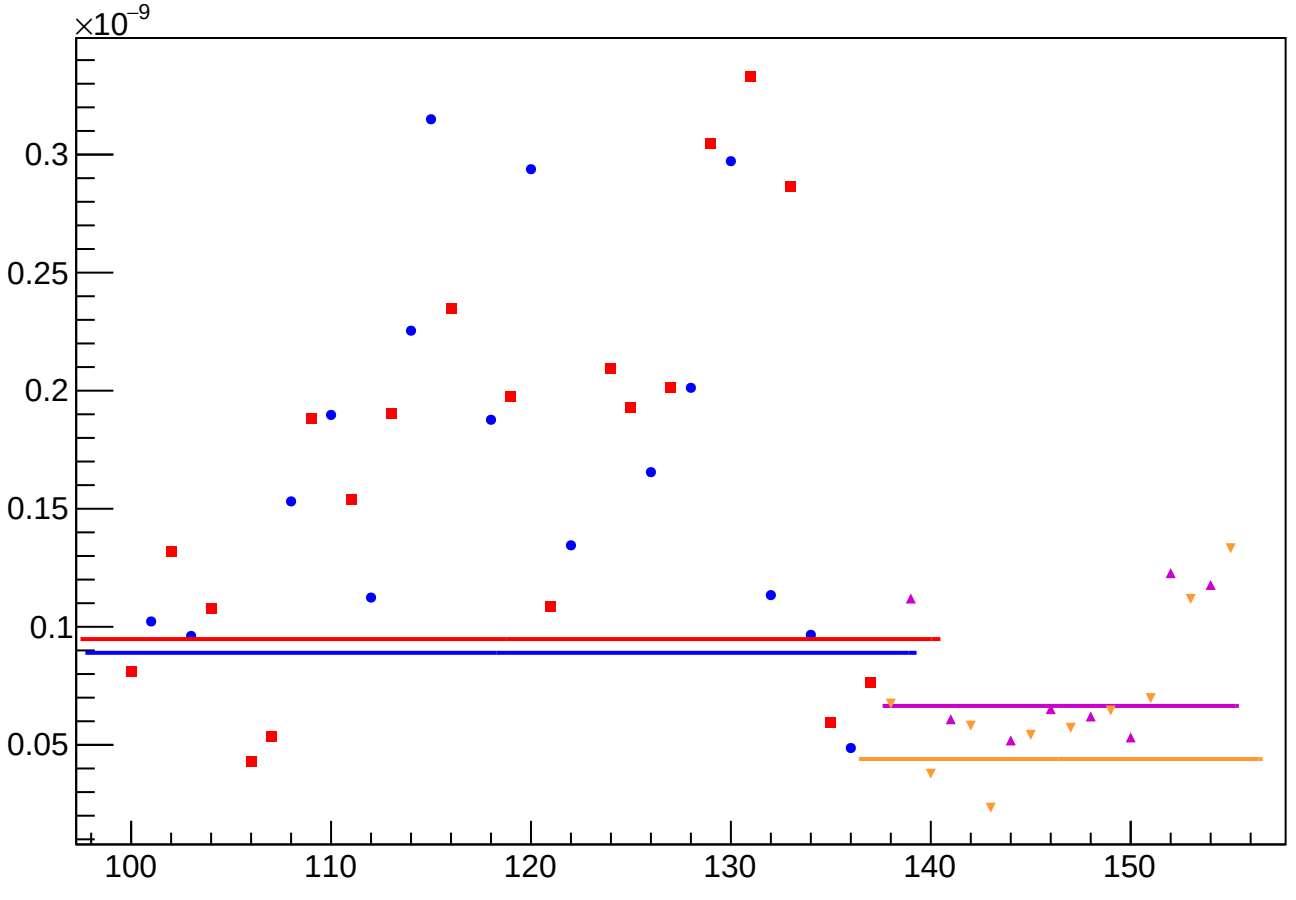
Left In: 4011.759+/-1.084 χ^2/NDF:272083.9/7

+ sign 3710.807+/-0.690 χ^2/NDF: 1048107.7/25

All: 3711.481+/-0.494 χ^2/NDF: 2039885.7/52

- sign 3712.187+/-0.707 χ^2/NDF: 991776.0/26


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
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:5.1/7
+ sign -0.000+/-0.000 χ²/NDF: 26.7/25
All: -0.000+/-0.000 χ²/NDF: 48.1/52
- sign -0.000+/-0.000 χ²/NDF: 21.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1367936.0/9

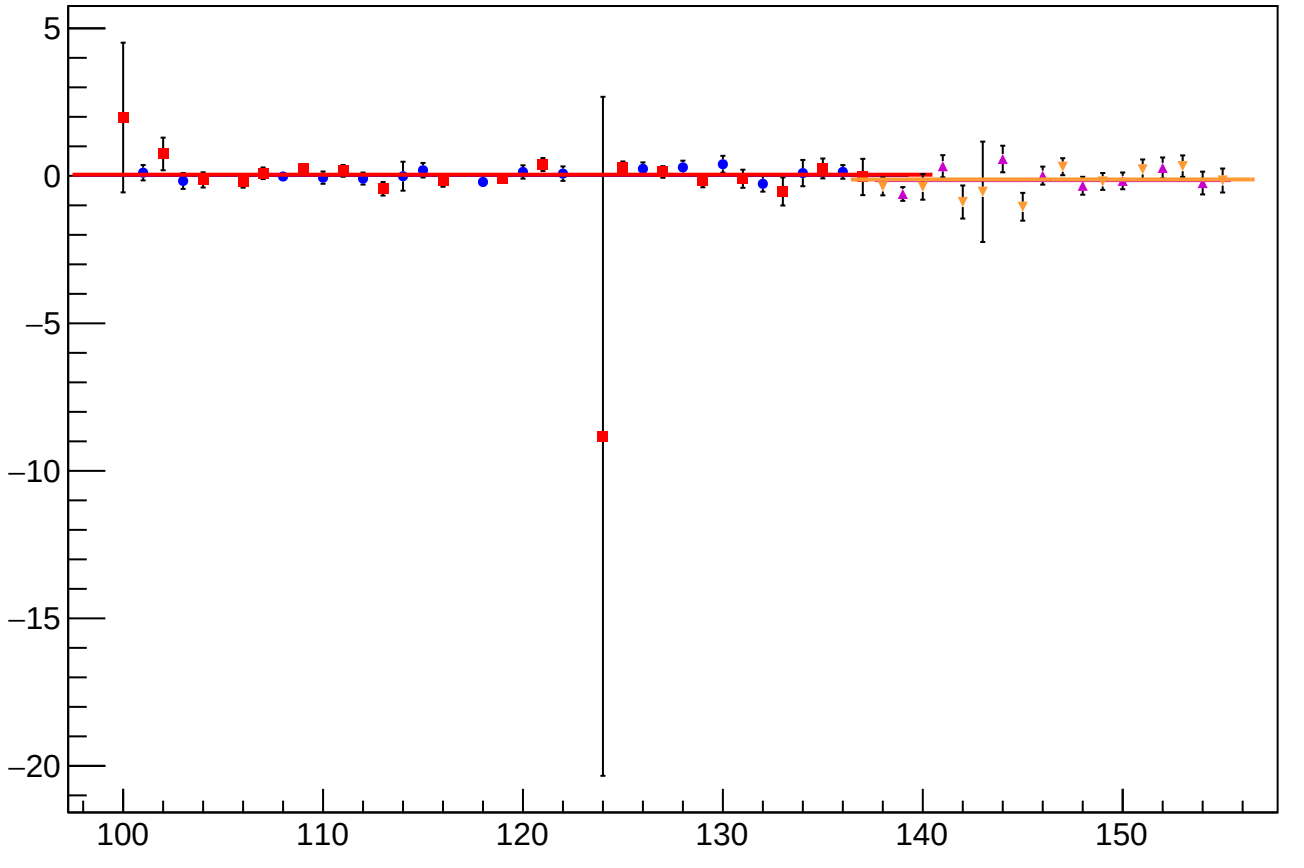
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:577604.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 3771826.6/25

All: 0.000+/-0.000 χ^2/NDF: 6898108.9/52

- sign 0.000+/-0.000 χ^2/NDF: 2589627.7/26



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

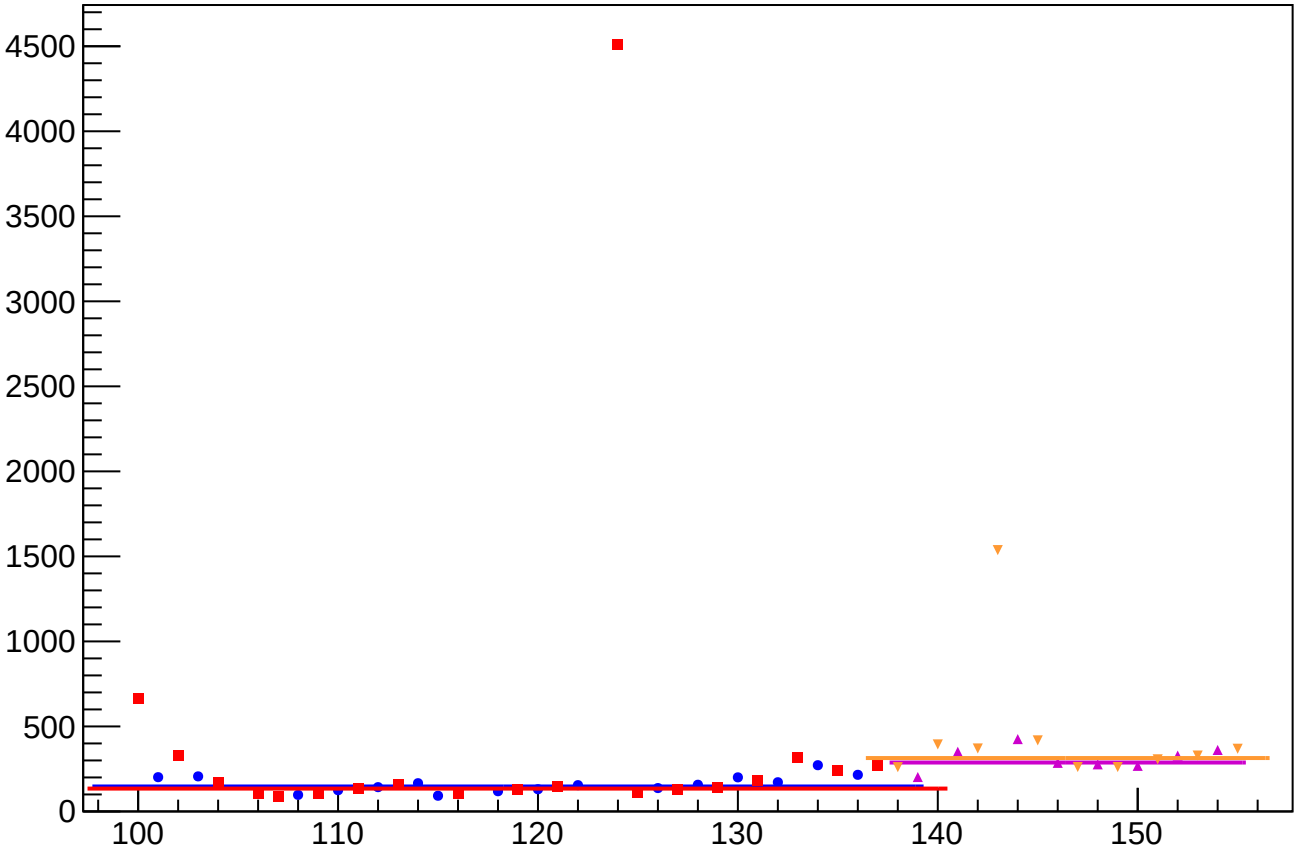
Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 314.096+/-0.084 χ^2/NDF:1457813.7/9

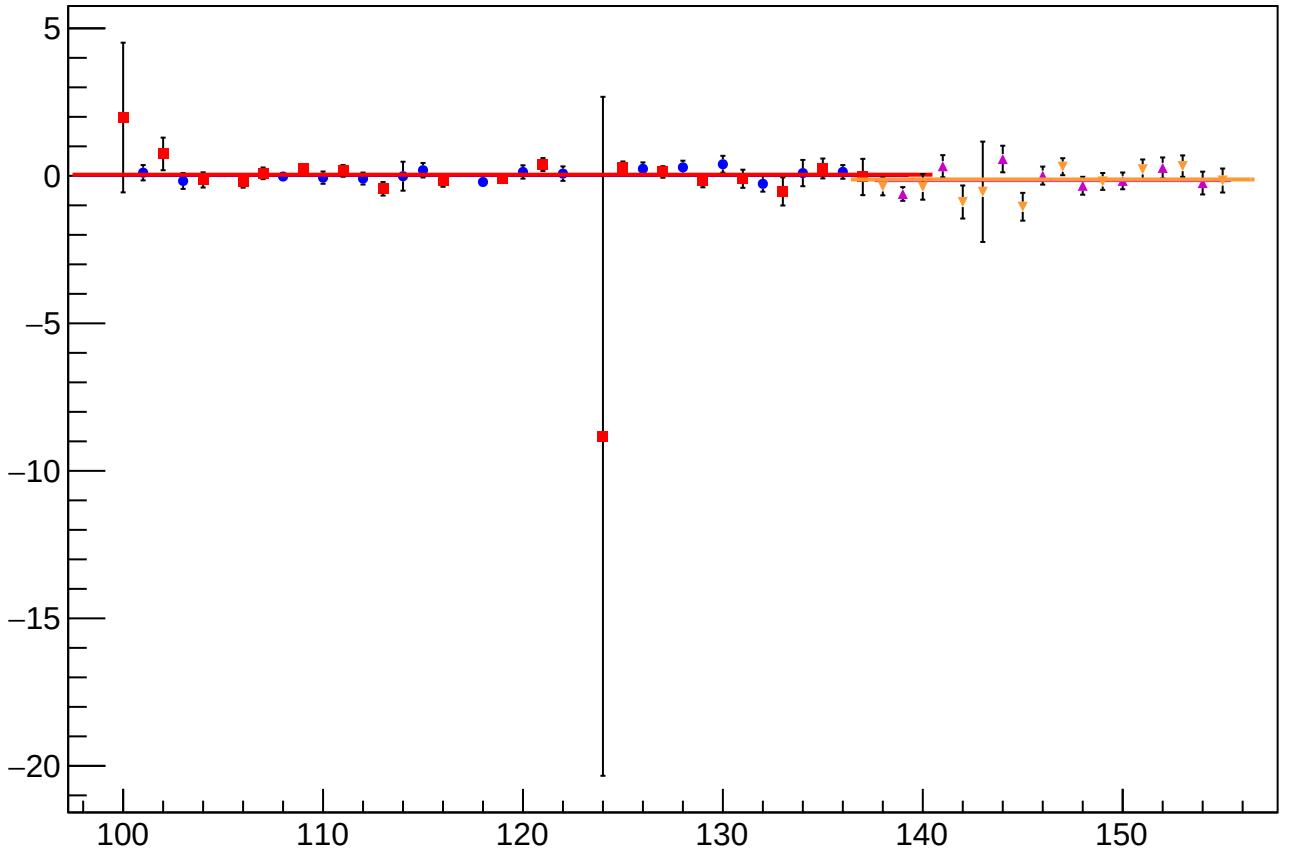
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673653.9/25

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52

- sign 163.923+/-0.035 χ^2/NDF: 5235024.6/26



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

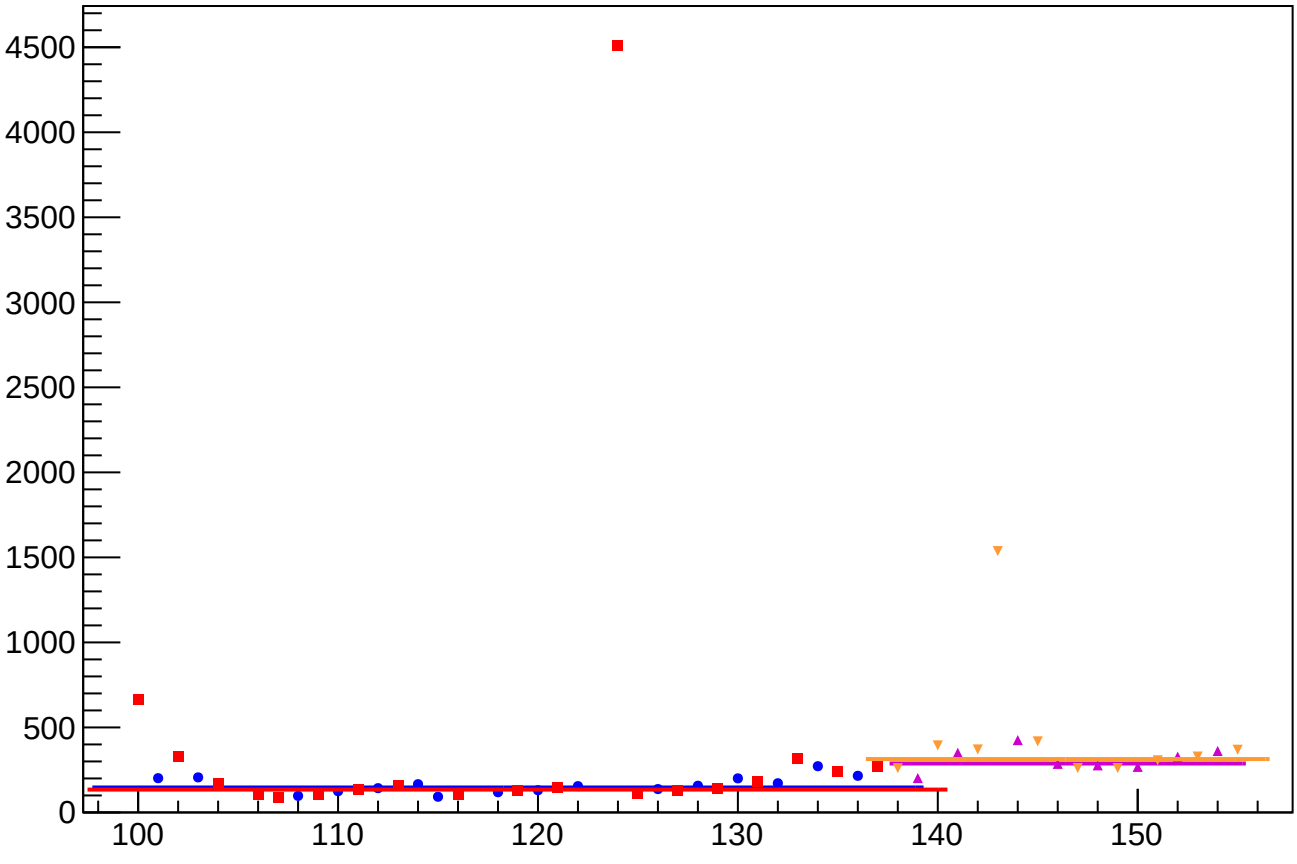
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 314.096+/-0.084 χ^2/NDF:1457813.7/9

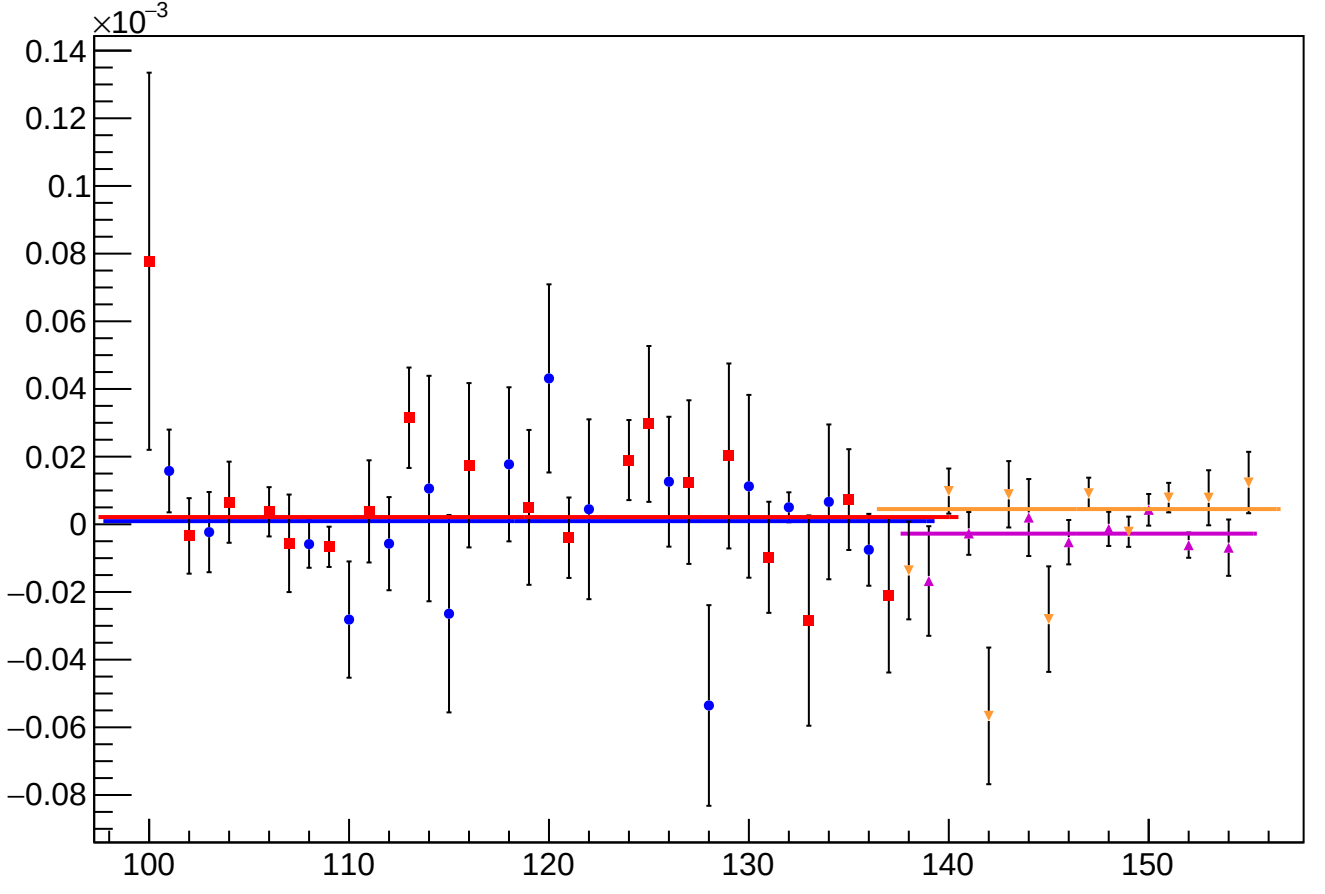
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673653.9/25

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52

- sign 163.923+/-0.035 χ^2/NDF: 5235024.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/9

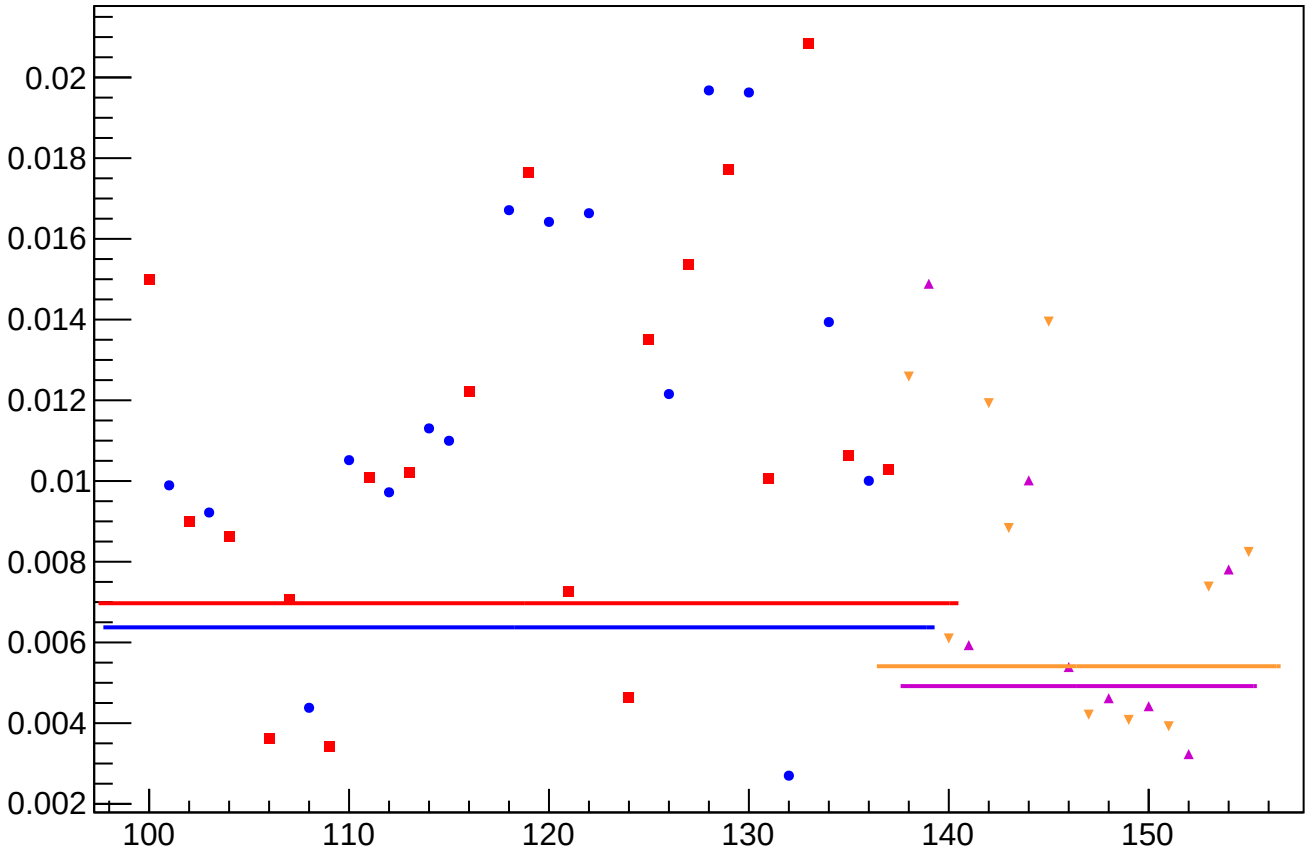
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/25

All: 0.000+/-0.000 χ^2/NDF: 62.2/52

- sign -0.000+/-0.000 χ^2/NDF: 22.3/26



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2422742.1/9

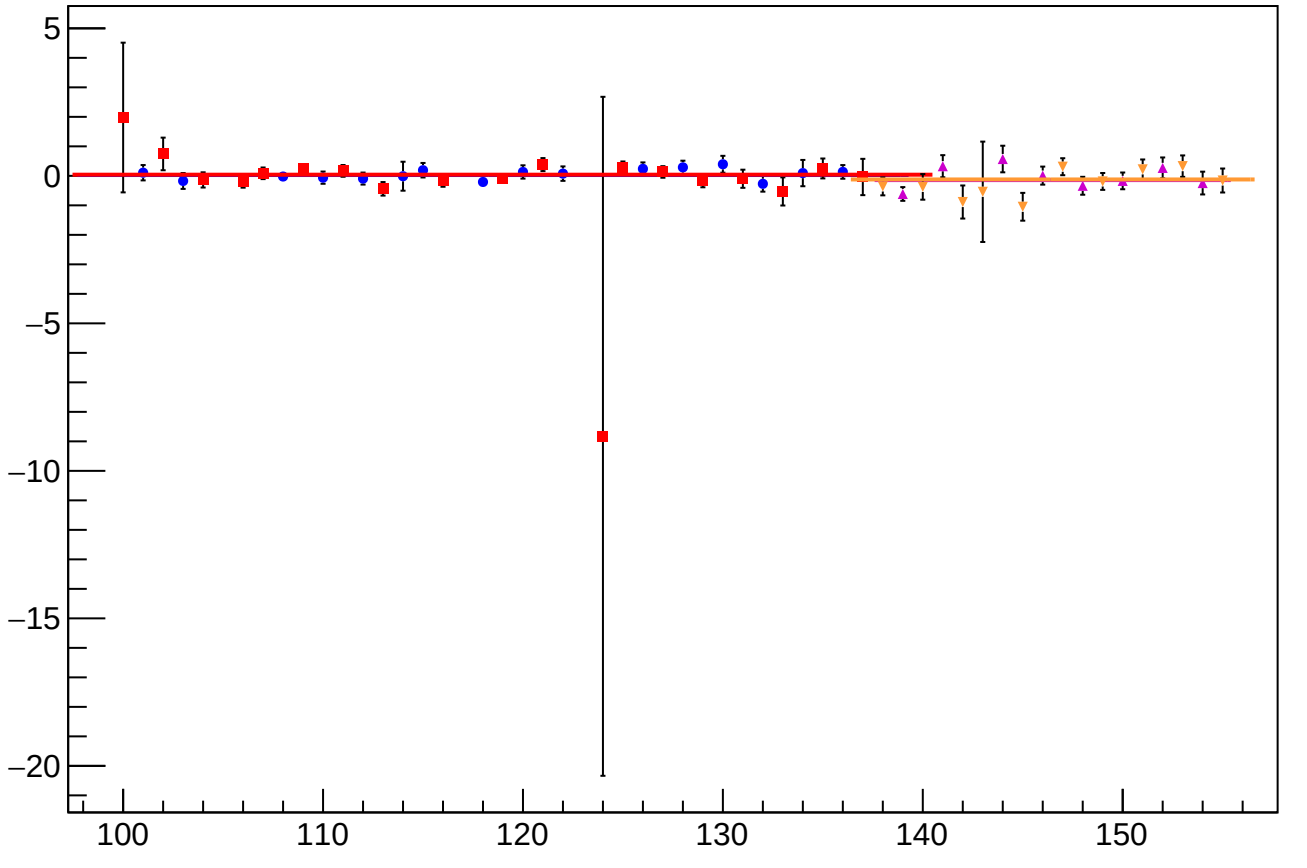
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1899835.1/7

+ sign 0.006+/-0.000 χ^2/NDF: 7204447.8/25

All: 0.006+/-0.000 χ^2/NDF: 13151769.2/52

- sign 0.006+/-0.000 χ^2/NDF: 5938376.7/26



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

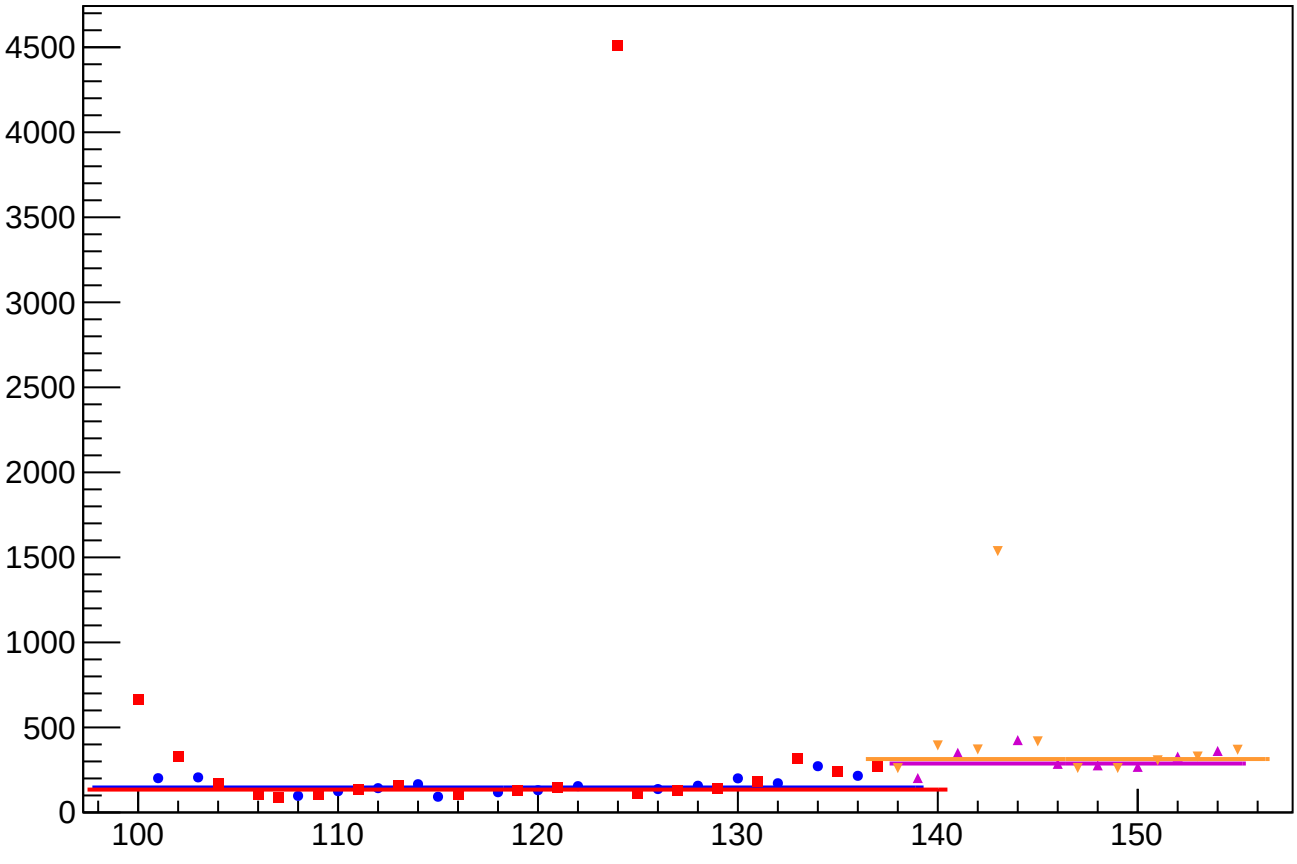
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 314.099+/-0.084 χ^2/NDF:1457814.6/9

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

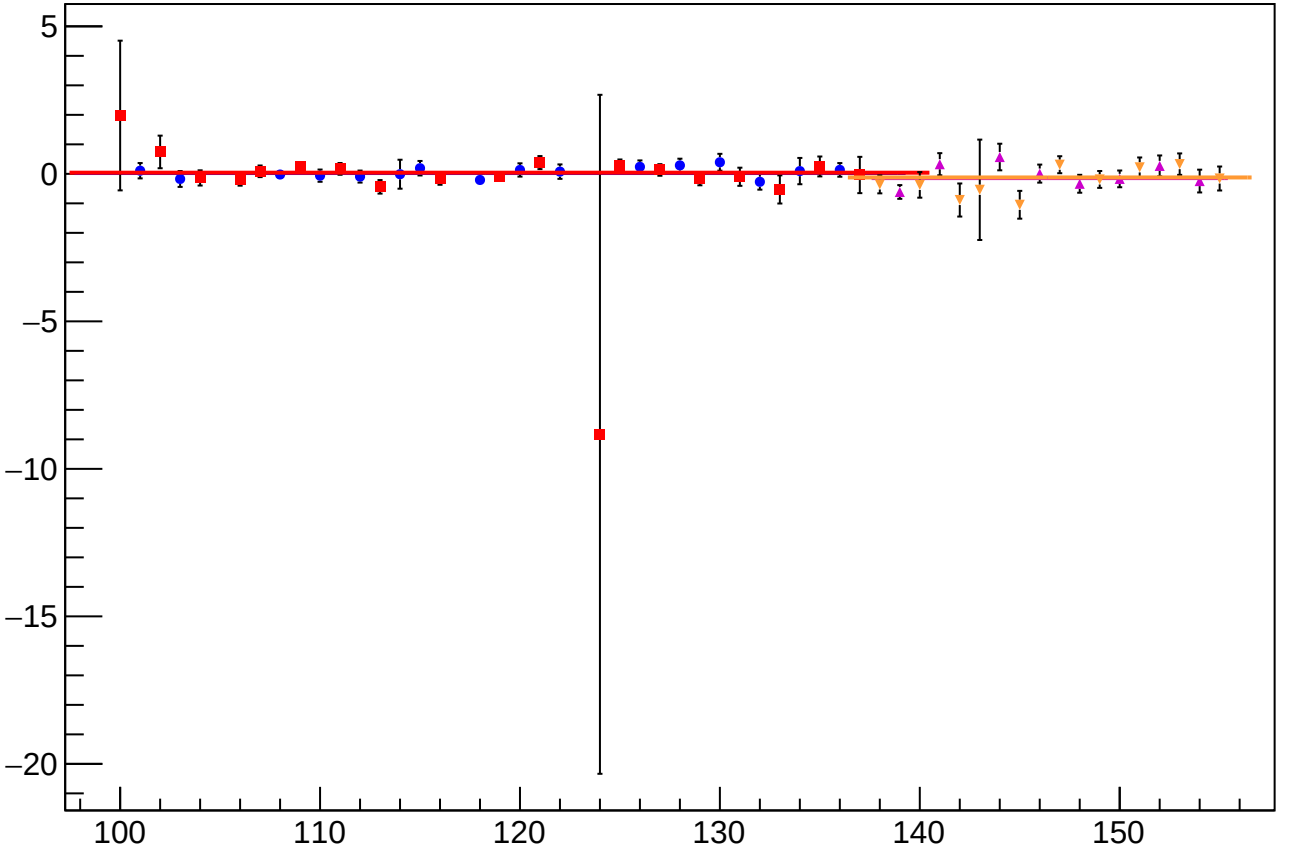
Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673676.2/25

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52

- sign 163.924+/-0.035 χ^2/NDF: 5234963.5/26

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

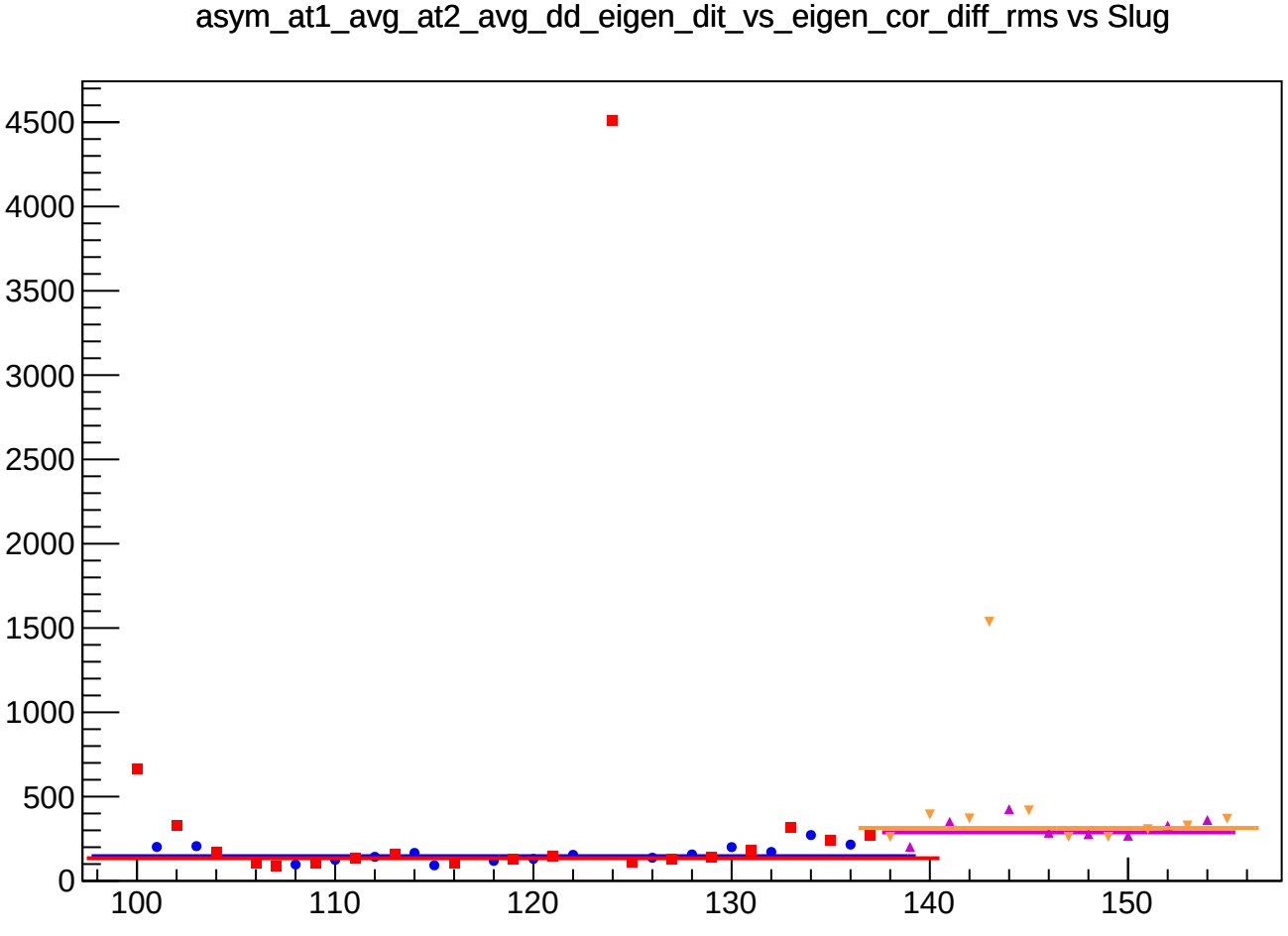
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 314.099+/-0.084 χ^2/NDF:1457814.6/9

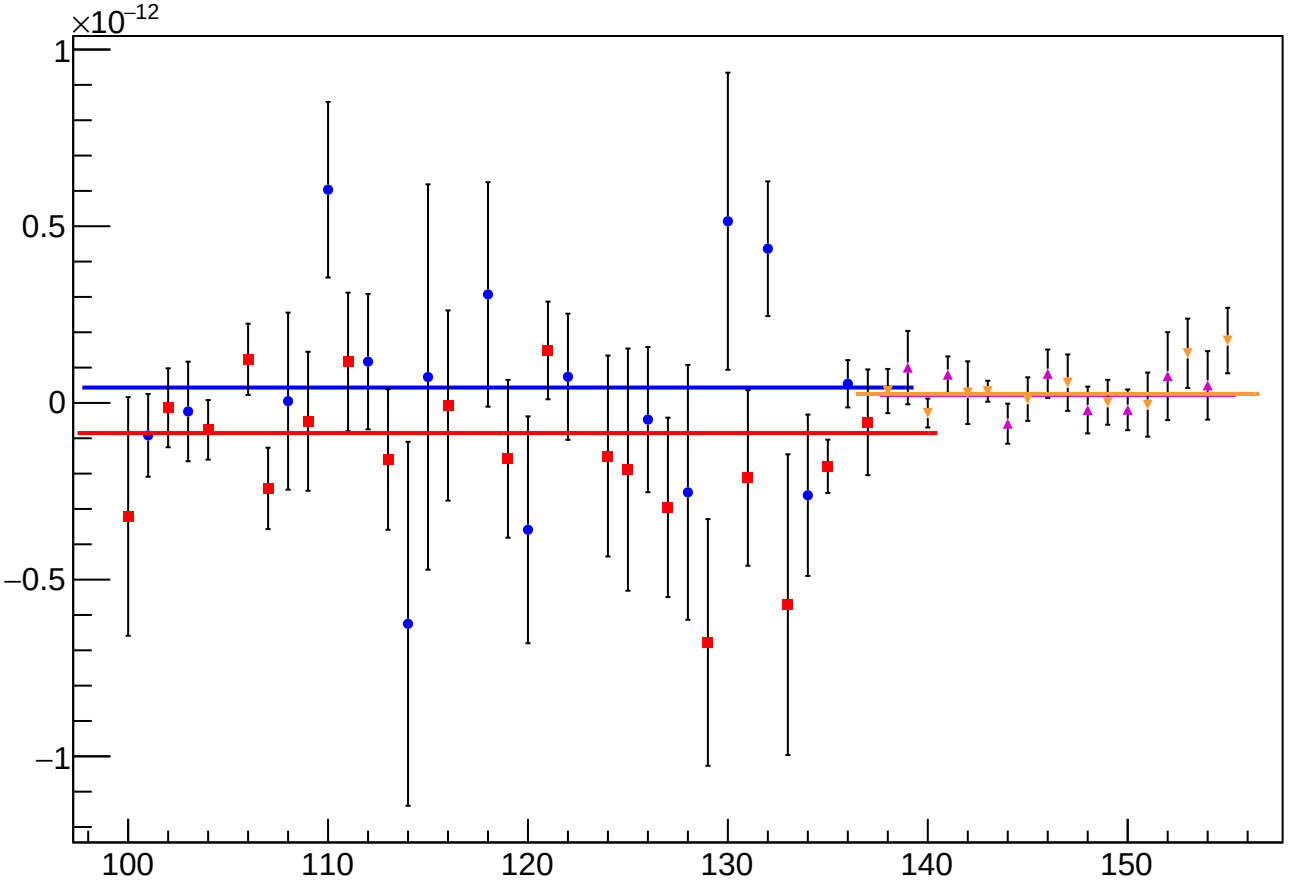
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673676.2/25

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52

- sign 163.924+/-0.035 χ^2/NDF: 5234963.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/9

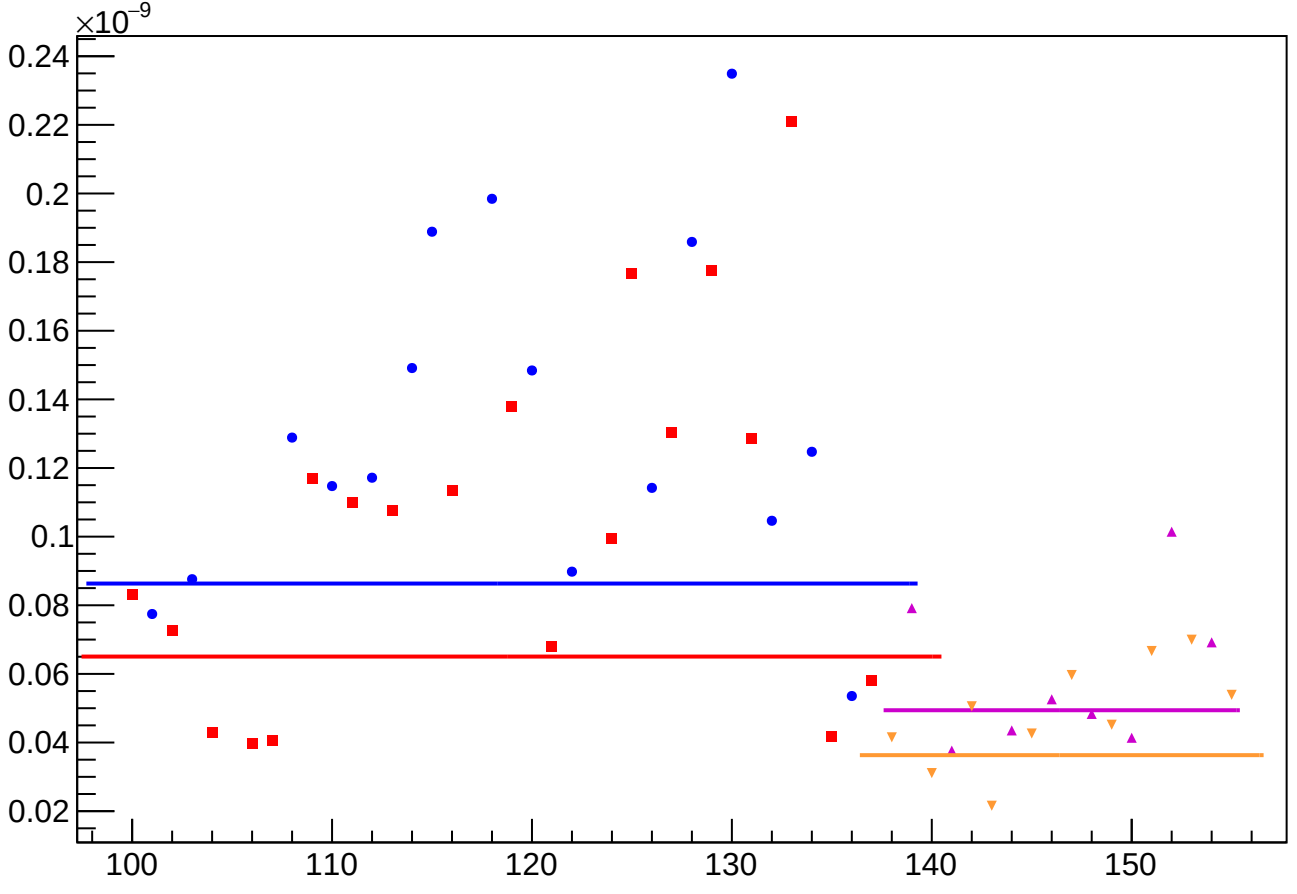
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 25.4/25

All: 0.000+/-0.000 χ^2/NDF: 58.7/52

- sign -0.000+/-0.000 χ^2/NDF: 30.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354172.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

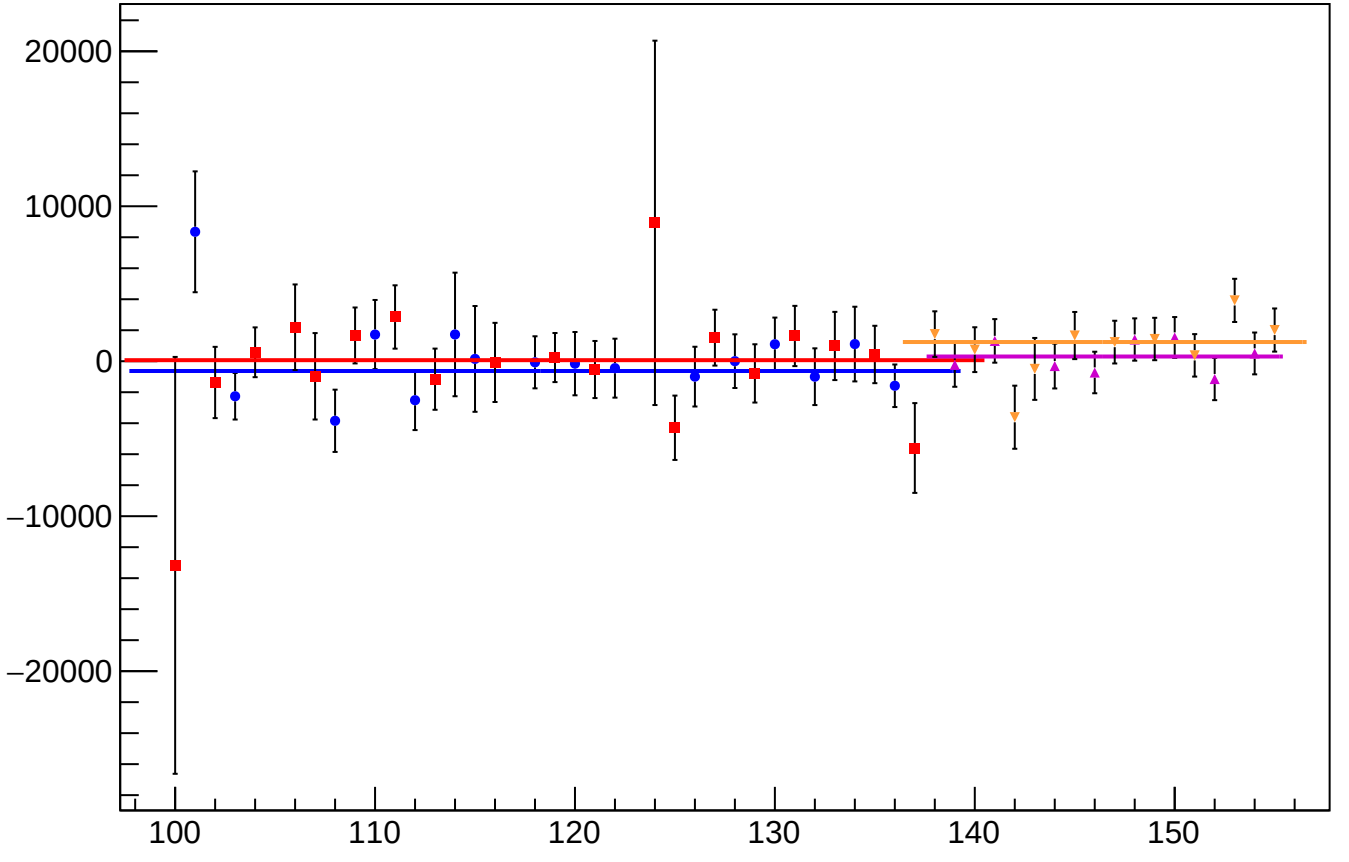
Left In: 0.000+/-0.000 χ^2/NDF:767201.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 5250455.9/25

All: 0.000+/-0.000 χ^2/NDF: 8810440.0/52

- sign 0.000+/-0.000 χ^2/NDF: 3203789.6/26

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.494+/-472.044 χ^2/NDF:11.2/9

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

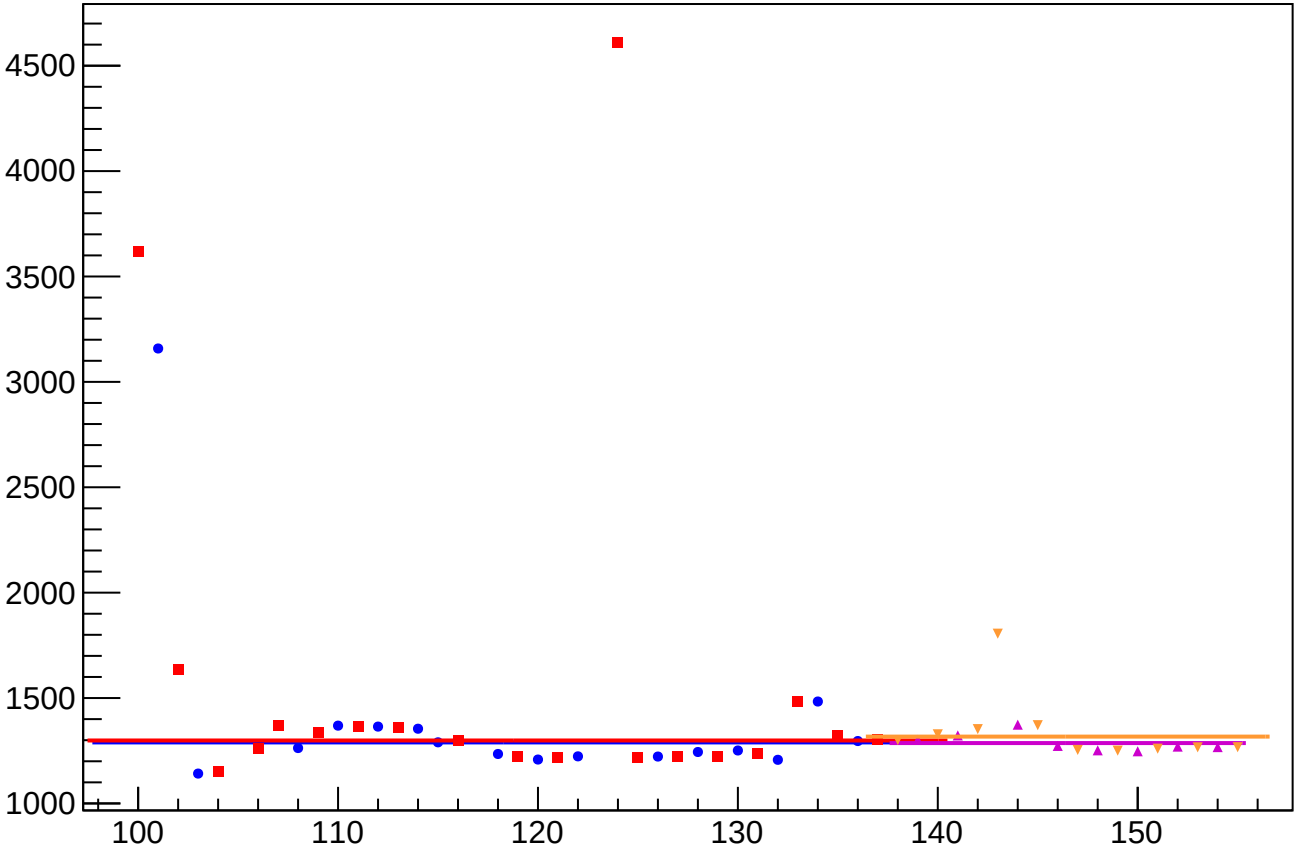
Left In: 304.408+/-485.703 χ^2/NDF:4.1/7

+ sign 336.574+/-339.509 χ^2/NDF: 32.7/25

All: 262.572+/-241.700 χ^2/NDF: 52.9/52

- sign 186.526+/-344.169 χ^2/NDF: 20.1/26

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

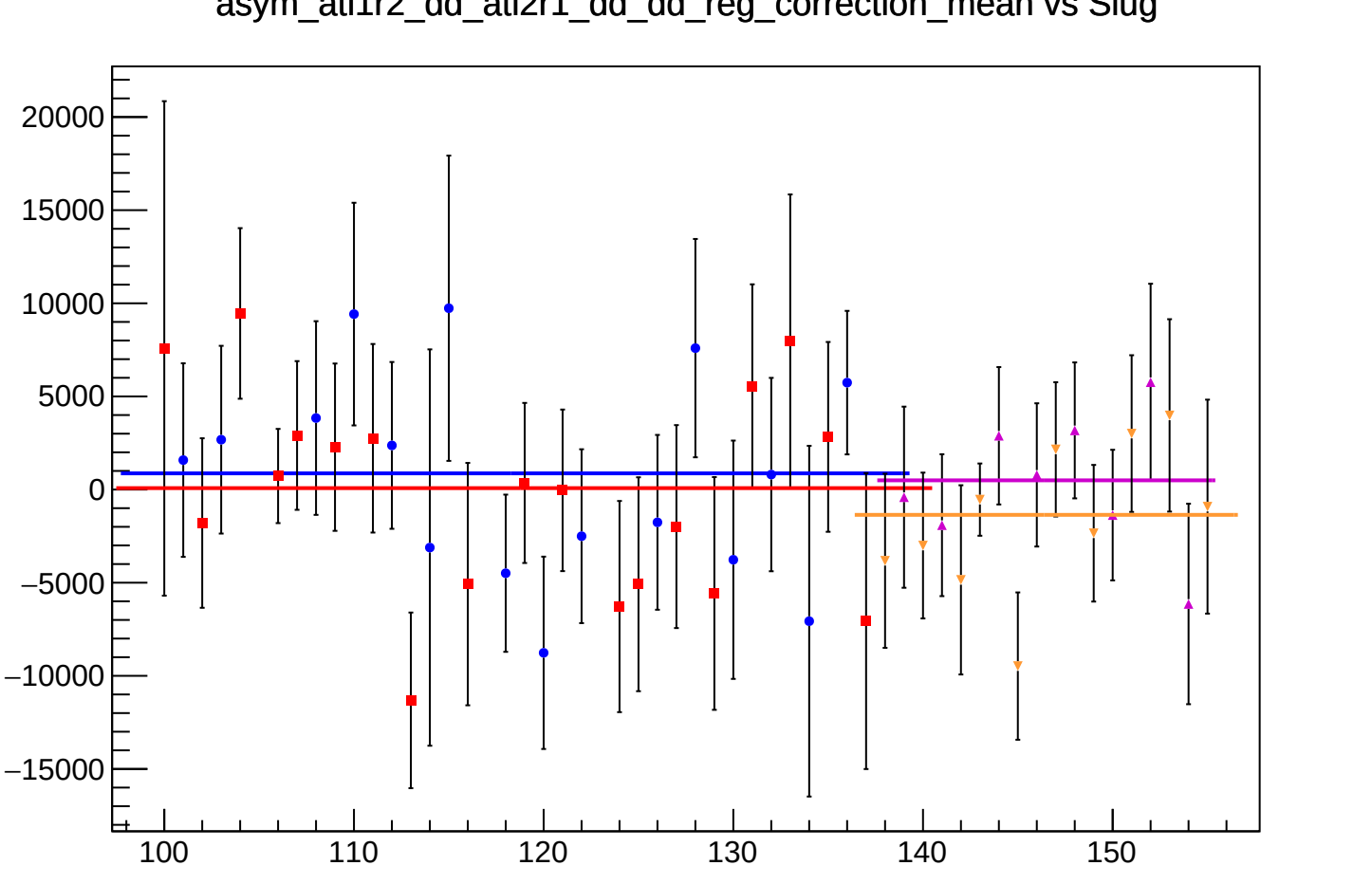
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

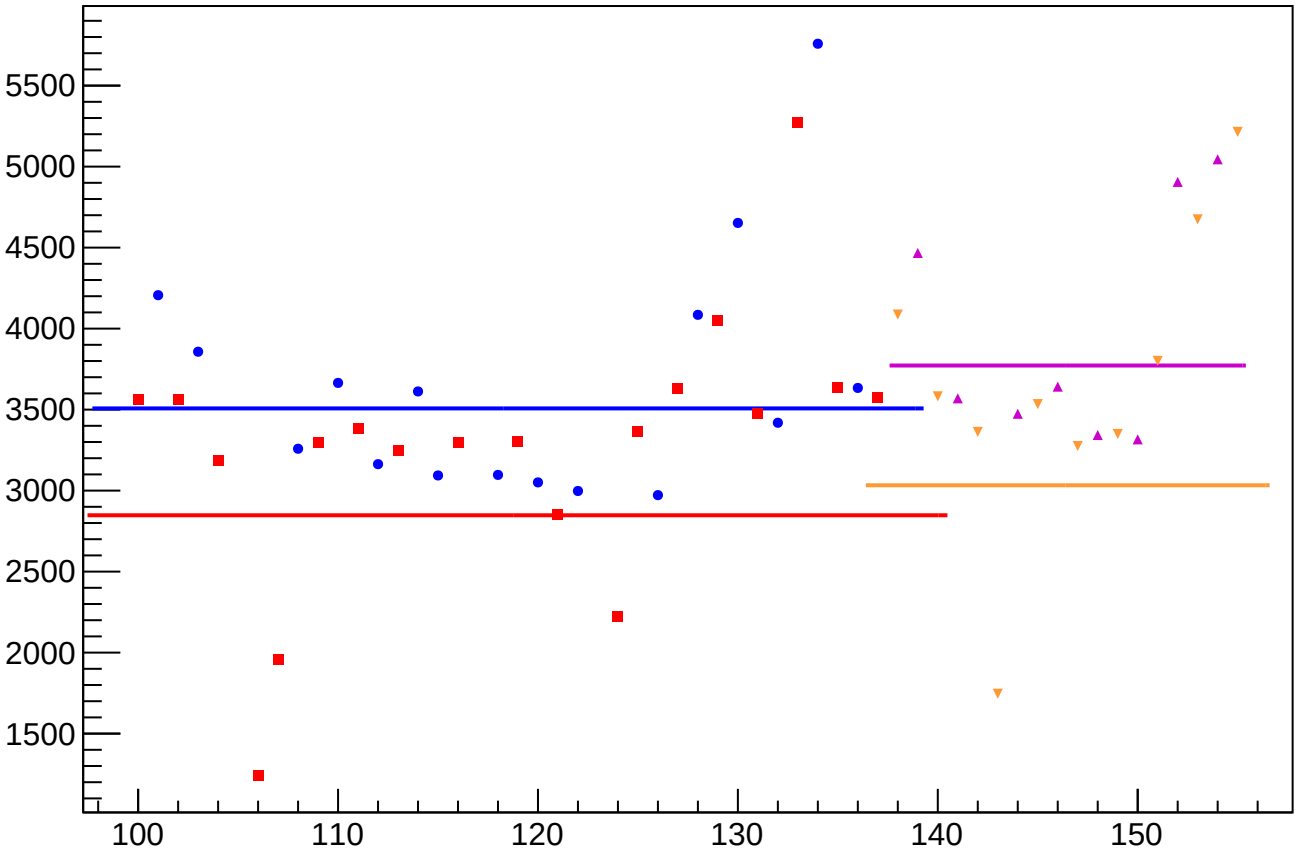
Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

+ sign 1303.750+/-0.240 χ^2/NDF: 658600.2/25

All: 1298.200+/-0.171 χ^2/NDF: 992461.5/52

- sign 1292.513+/-0.243 χ^2/NDF: 332779.3/26


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
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -1357.908+/-1150.718 χ²/NDF:8.5/9
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 495.554+/-1444.613 χ²/NDF:4.2/7
+ sign -400.120+/-868.889 χ²/NDF: 24.1/25
All: -87.952+/-618.536 χ²/NDF: 47.0/52
- sign 232.770+/-880.713 χ²/NDF: 22.6/26



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3033.033+/-0.814 χ^2/NDF:1643086.7/9

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

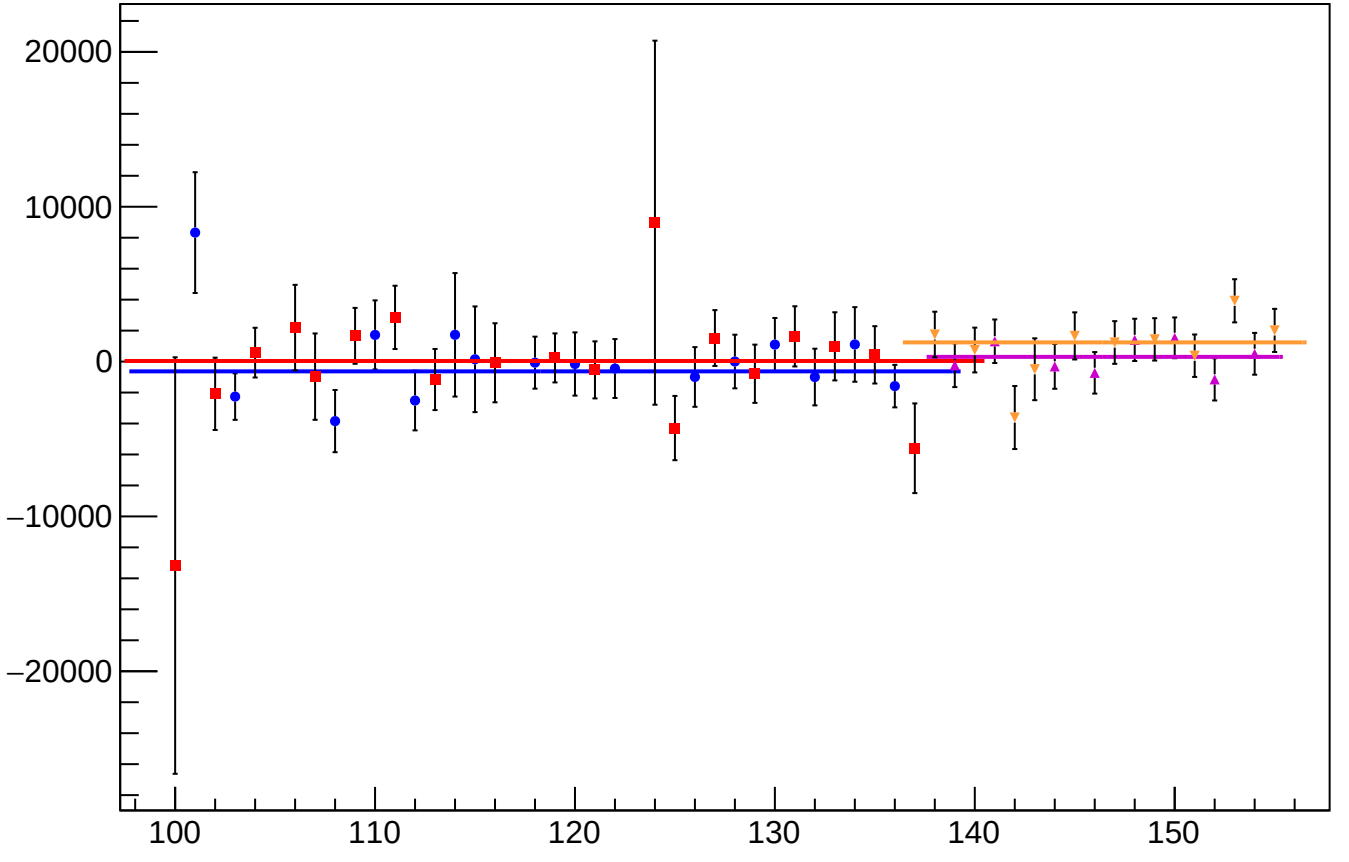
Left In: 3772.211+/-1.021 χ^2/NDF:327203.3/7

+ sign 3236.937+/-0.614 χ^2/NDF: 2143159.2/25

All: 3214.478+/-0.437 χ^2/NDF: 4486973.6/52

- sign 3191.403+/-0.623 χ^2/NDF: 2341105.2/26

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

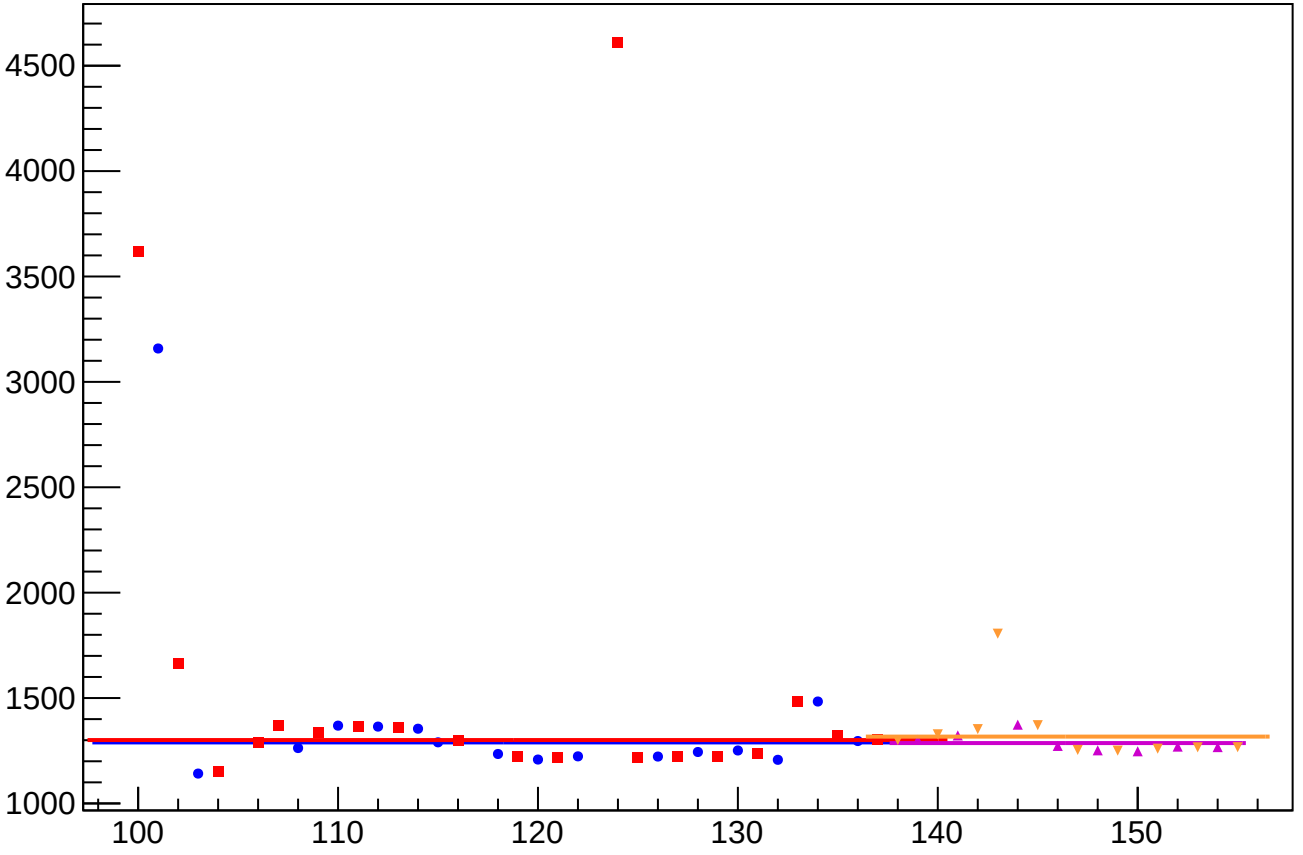
Left In: 304.385+/-485.703 χ^2/NDF:4.1/7

+ sign 336.365+/-339.509 χ^2/NDF: 32.6/25

All: 255.406+/-241.739 χ^2/NDF: 53.3/52

- sign 172.154+/-344.283 χ^2/NDF: 20.6/26

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

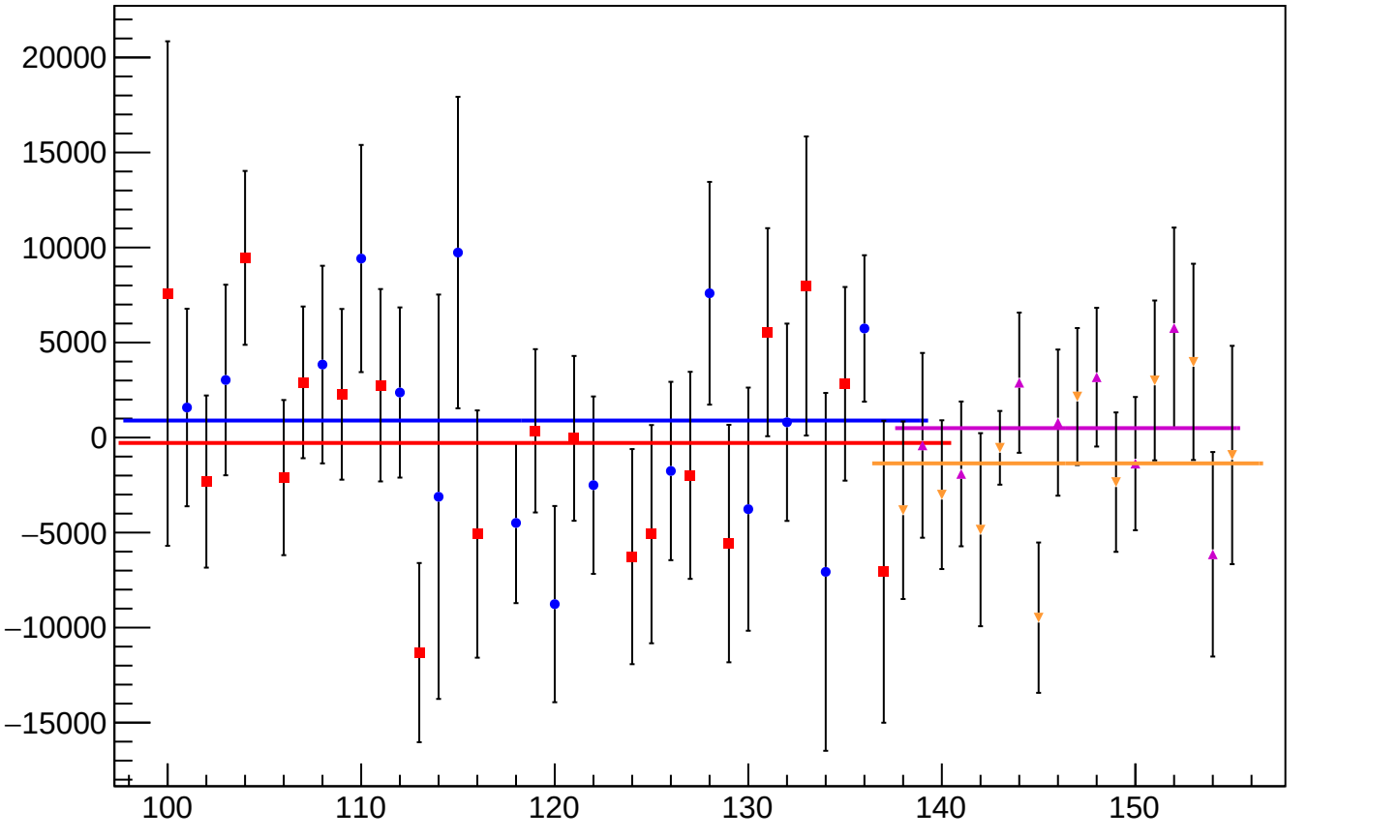
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

+ sign 1303.749+/-0.240 χ^2/NDF: 658601.8/25

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52

- sign 1293.515+/-0.243 χ^2/NDF: 339538.9/26



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1357.832+/-1150.716 χ^2/NDF:8.5/9

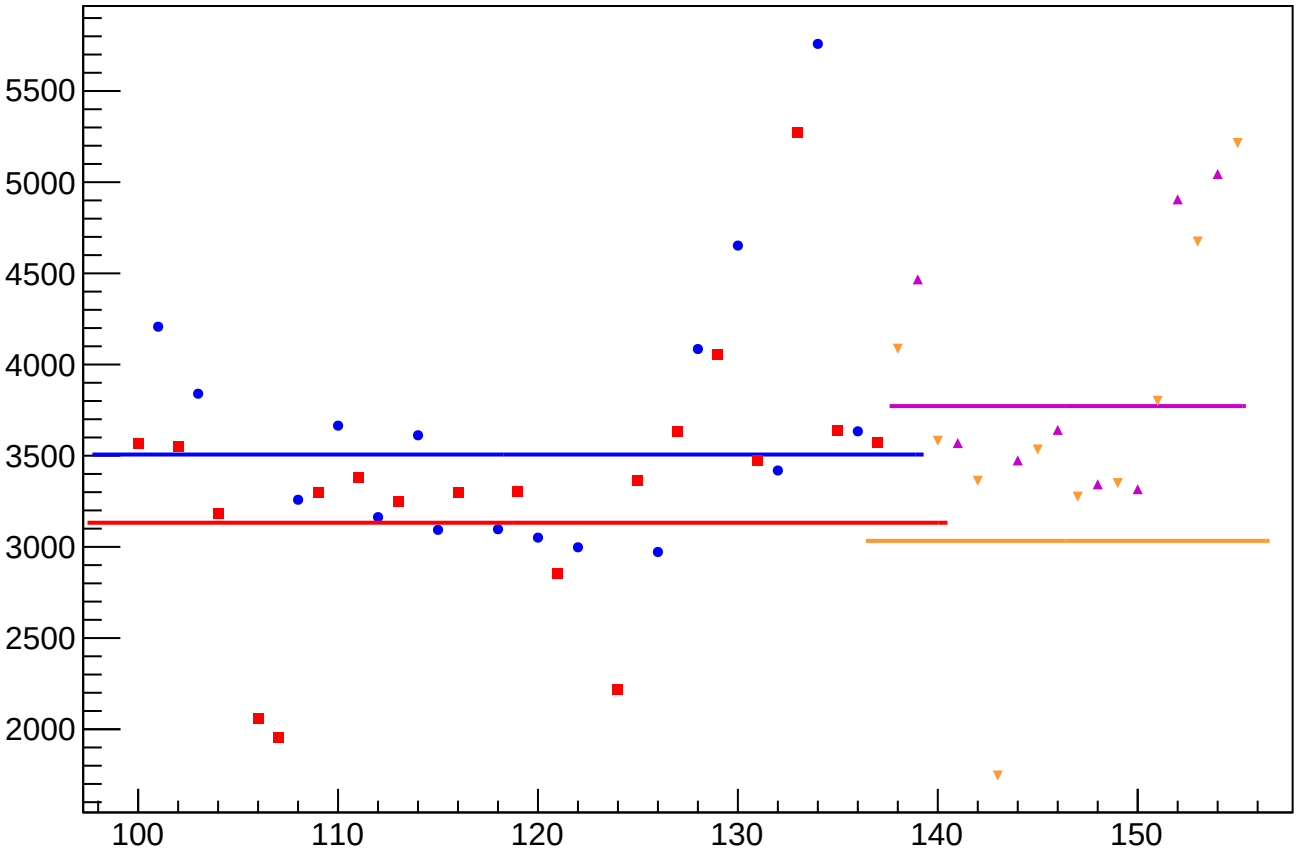
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 495.604+/-1444.611 χ^2/NDF:4.2/7

+ sign -388.643+/-868.760 χ^2/NDF: 24.2/25

All: -190.709+/-630.132 χ^2/NDF: 47.3/52

- sign 29.021+/-915.346 χ^2/NDF: 23.0/26



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

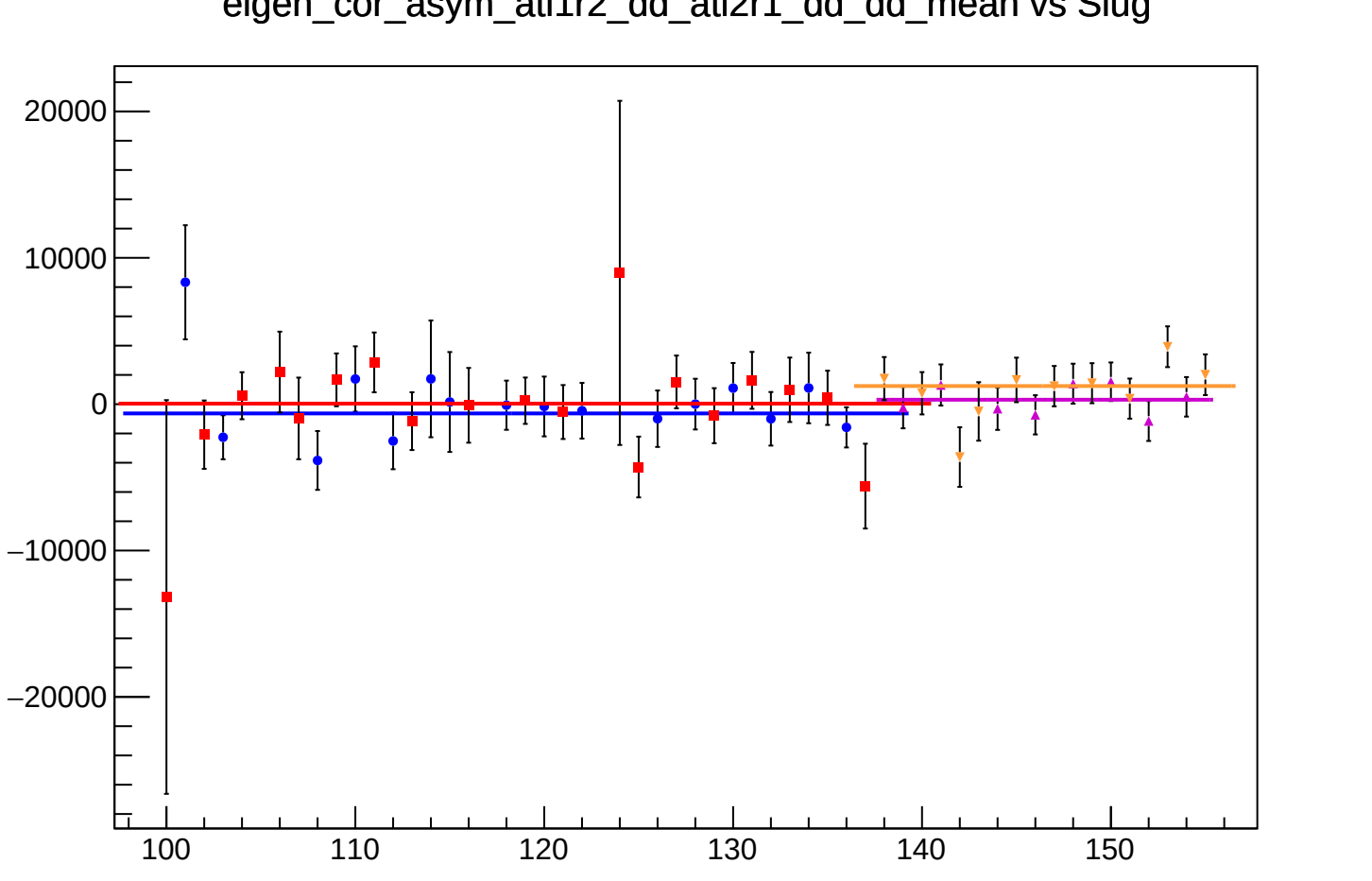
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

\+ sign 3236.618+/-0.614 χ^2/NDF: 2141946.4/25

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52

\- sign 3389.384+/-0.647 χ^2/NDF: 1211478.1/26



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

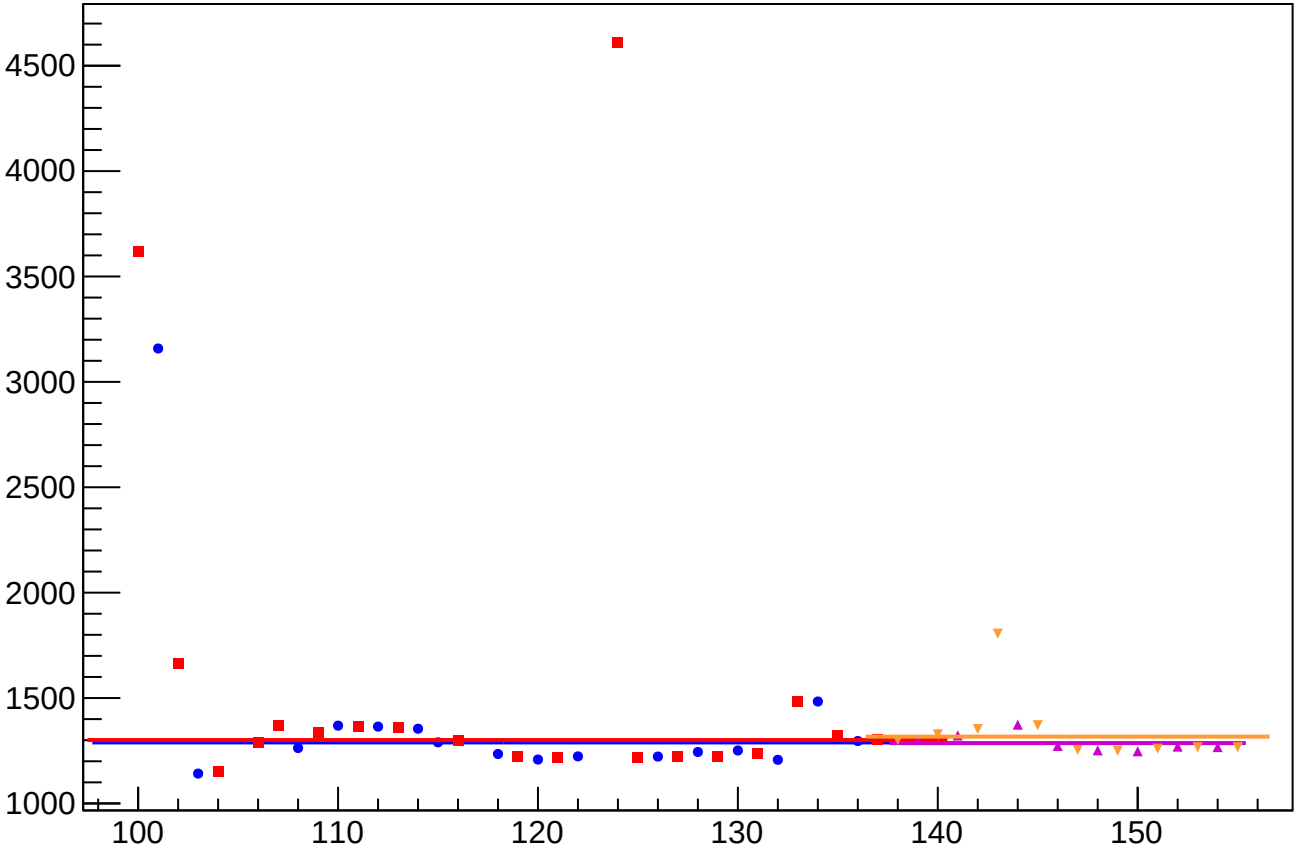
Left In: 304.385+/-485.703 χ^2/NDF:4.1/7

+ sign 336.365+/-339.509 χ^2/NDF: 32.6/25

All: 255.406+/-241.739 χ^2/NDF: 53.3/52

- sign 172.154+/-344.283 χ^2/NDF: 20.6/26

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: 1317.078+/-0.334 χ^2/NDF:140622.0/9

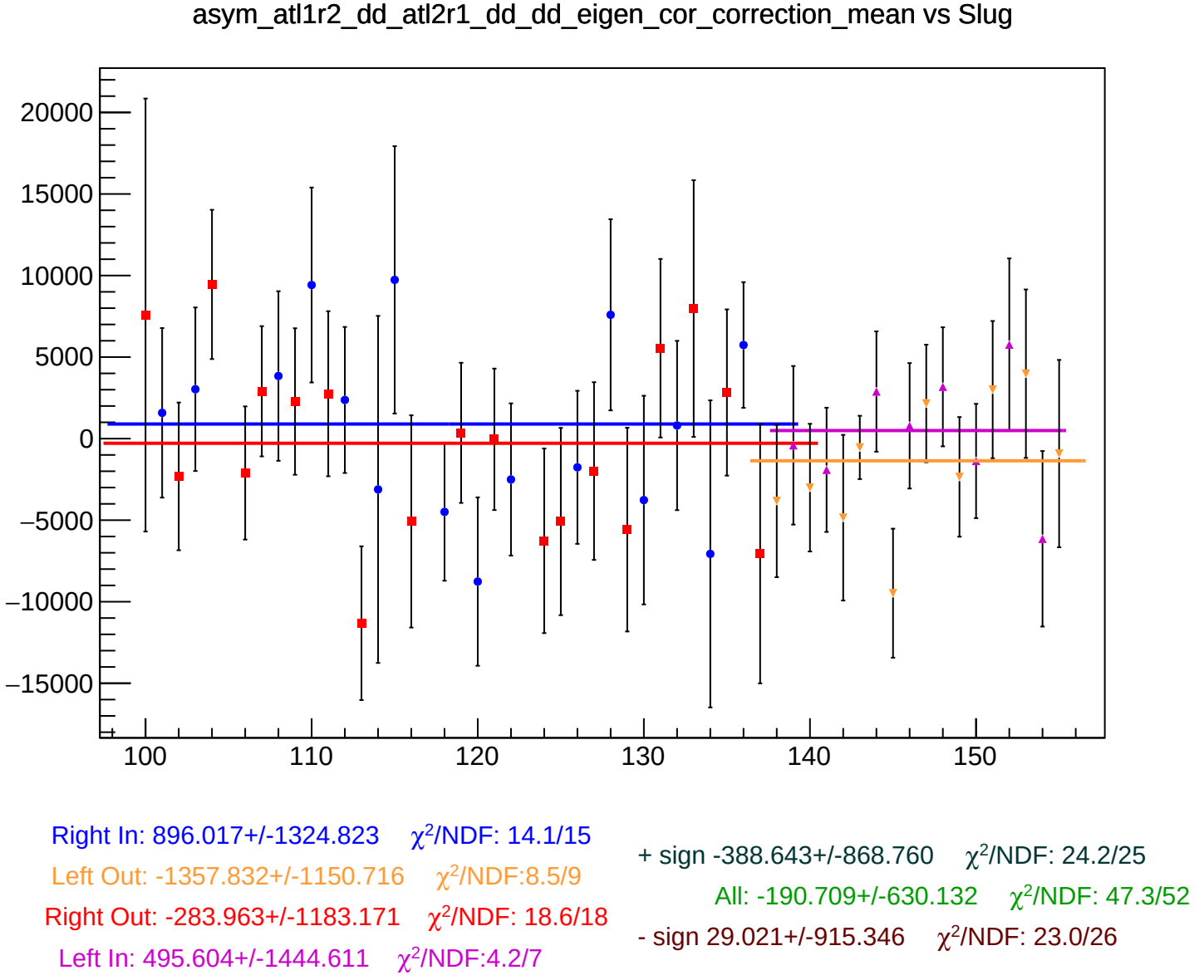
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

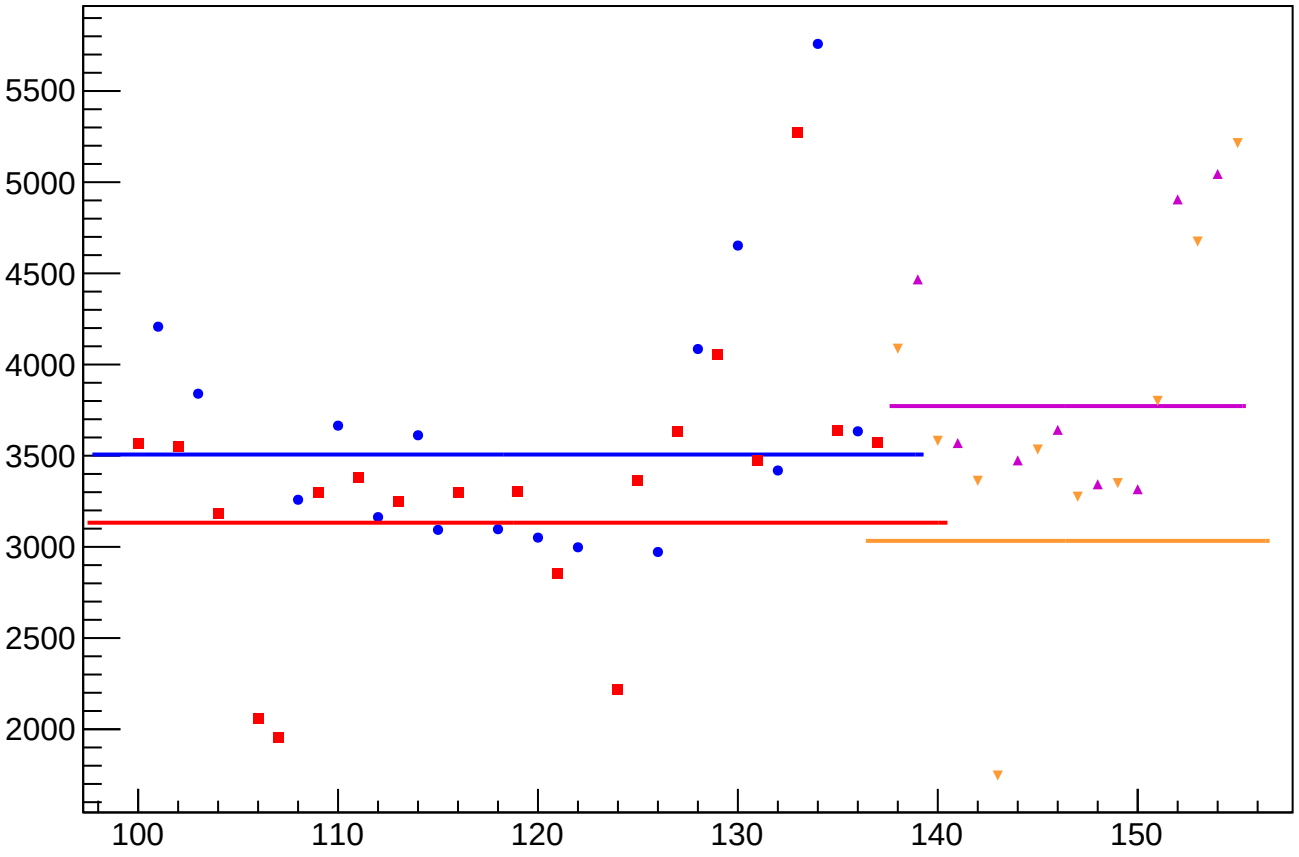
Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

+ sign 1303.749+/-0.240 χ^2/NDF: 658601.8/25

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52

- sign 1293.515+/-0.243 χ^2/NDF: 339538.9/26


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
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1357.832+/-1150.716 χ²/NDF:8.5/9
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 495.604+/-1444.611 χ²/NDF:4.2/7
+ sign -388.643+/-868.760 χ²/NDF: 24.2/25
All: -190.709+/-630.132 χ²/NDF: 47.3/52
- sign 29.021+/-915.346 χ²/NDF: 23.0/26



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

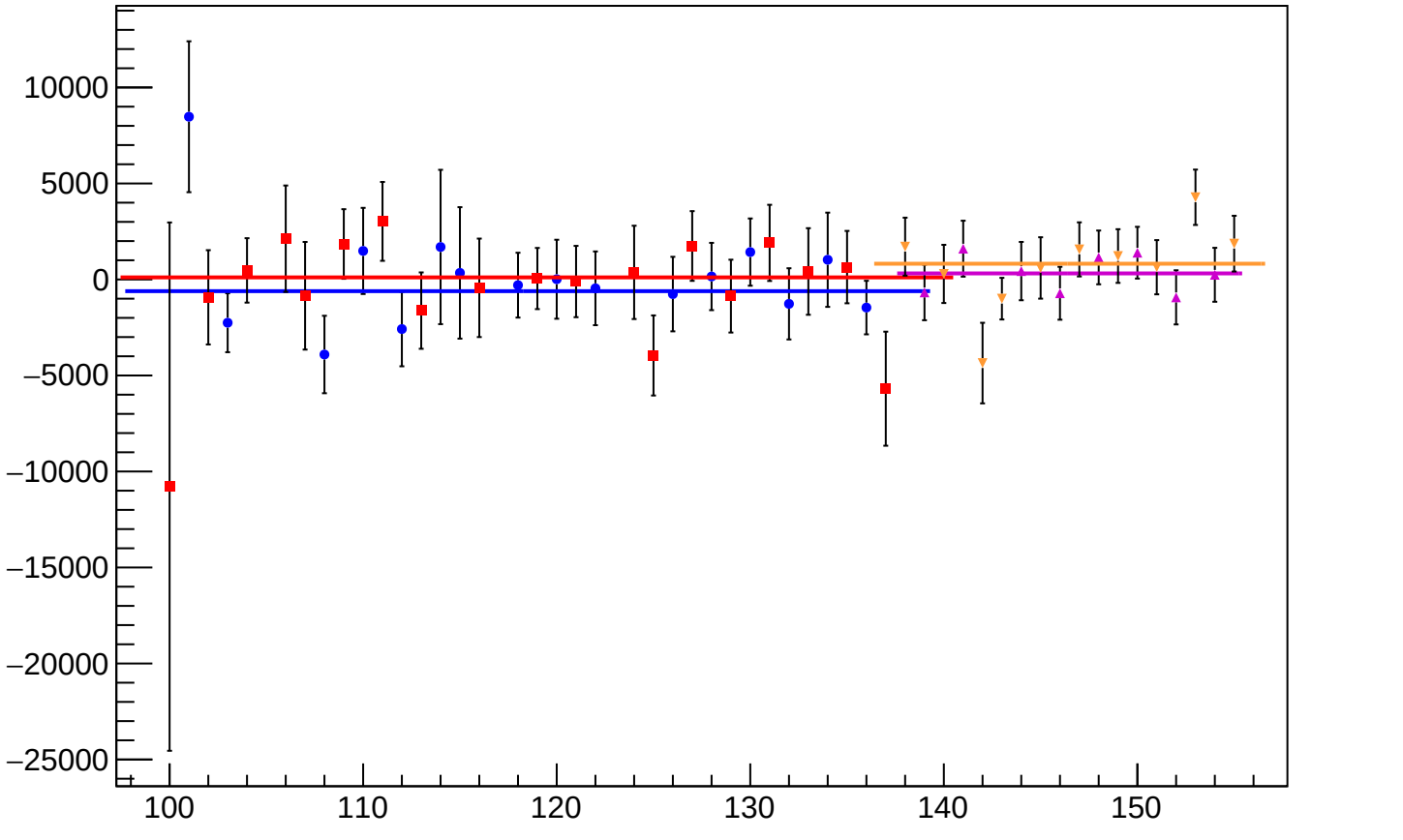
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

+ sign 3236.618+/-0.614 χ^2/NDF: 2141946.4/25

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52

- sign 3389.384+/-0.647 χ^2/NDF: 1211478.1/26



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

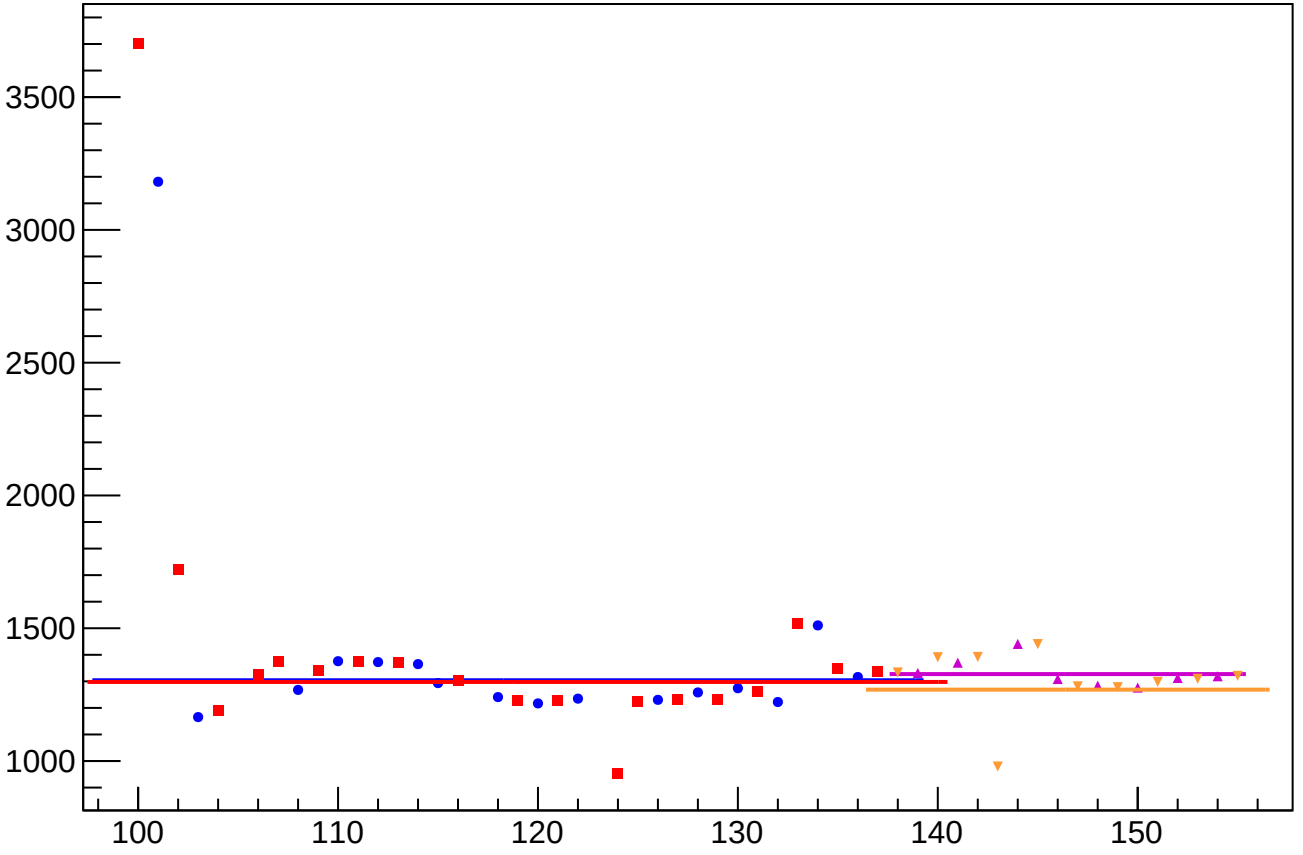
Left In: 315.673+/-501.326 χ^2/NDF:3.6/7

+ sign 164.232+/-334.971 χ^2/NDF: 34.7/25

All: 185.633+/-241.595 χ^2/NDF: 53.2/52

- sign 208.835+/-348.780 χ^2/NDF: 18.6/26

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1268.816+/-0.322 χ^2/NDF:194521.7/9

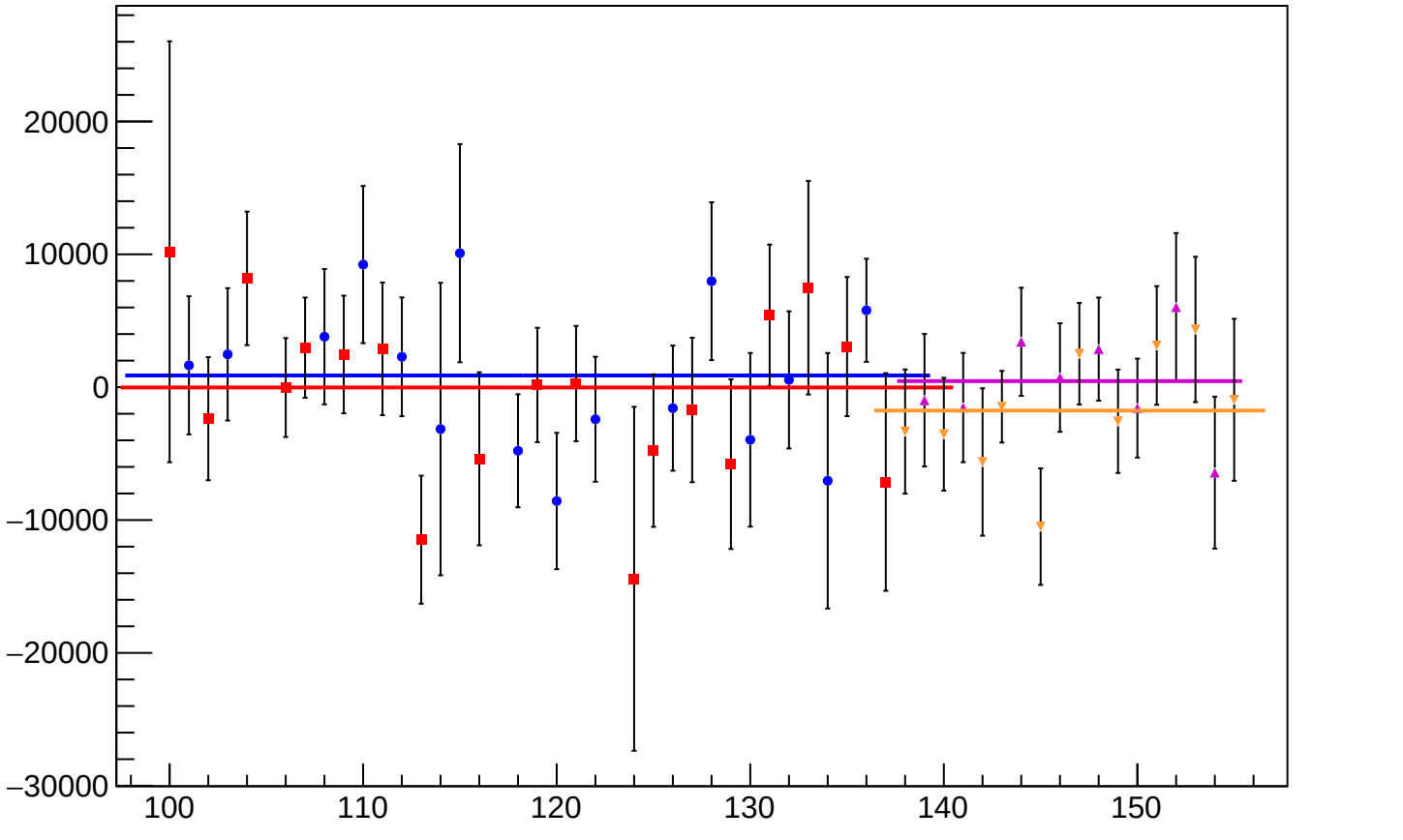
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.399+/-0.354 χ^2/NDF:18384.6/7

+ sign 1285.028+/-0.237 χ^2/NDF: 710623.1/25

All: 1298.029+/-0.171 χ^2/NDF: 951982.0/52

- sign 1312.114+/-0.247 χ^2/NDF: 235082.4/26



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1760.925+/-1326.844 χ^2/NDF:8.5/9

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

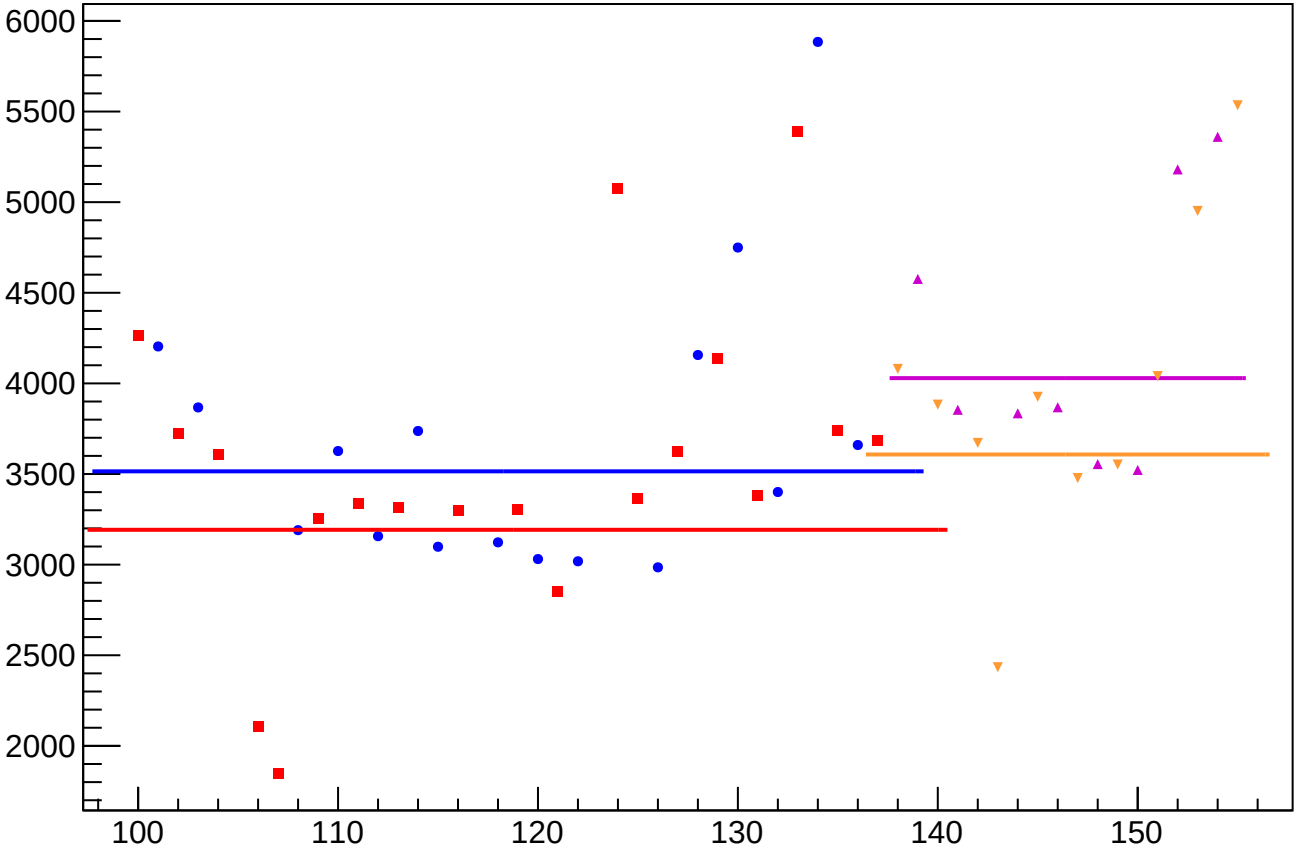
Left In: 460.355+/-1541.521 χ^2/NDF:4.0/7

+ sign -438.986+/-938.417 χ^2/NDF: 24.6/25

All: -141.783+/-666.547 χ^2/NDF: 45.7/52

- sign 160.831+/-946.920 χ^2/NDF: 20.9/26

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3607.808+/-0.938 χ^2/NDF:760158.3/9

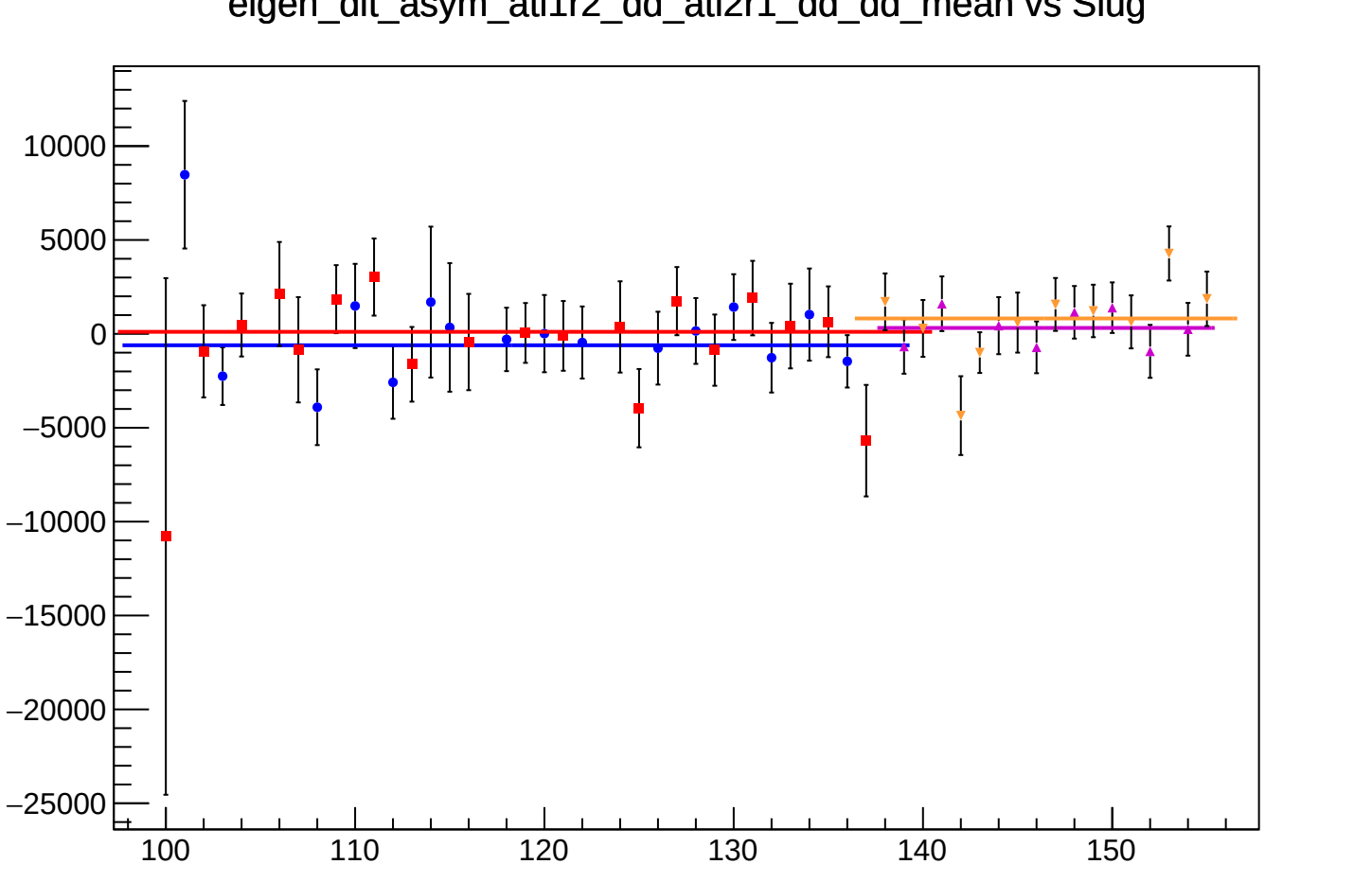
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4029.067+/-1.090 χ^2/NDF:295872.9/7

+ sign 3561.296+/-0.664 χ^2/NDF: 1140154.3/25

All: 3534.880+/-0.471 χ^2/NDF: 2578745.4/52

- sign 3507.982+/-0.670 χ^2/NDF: 1435392.6/26



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

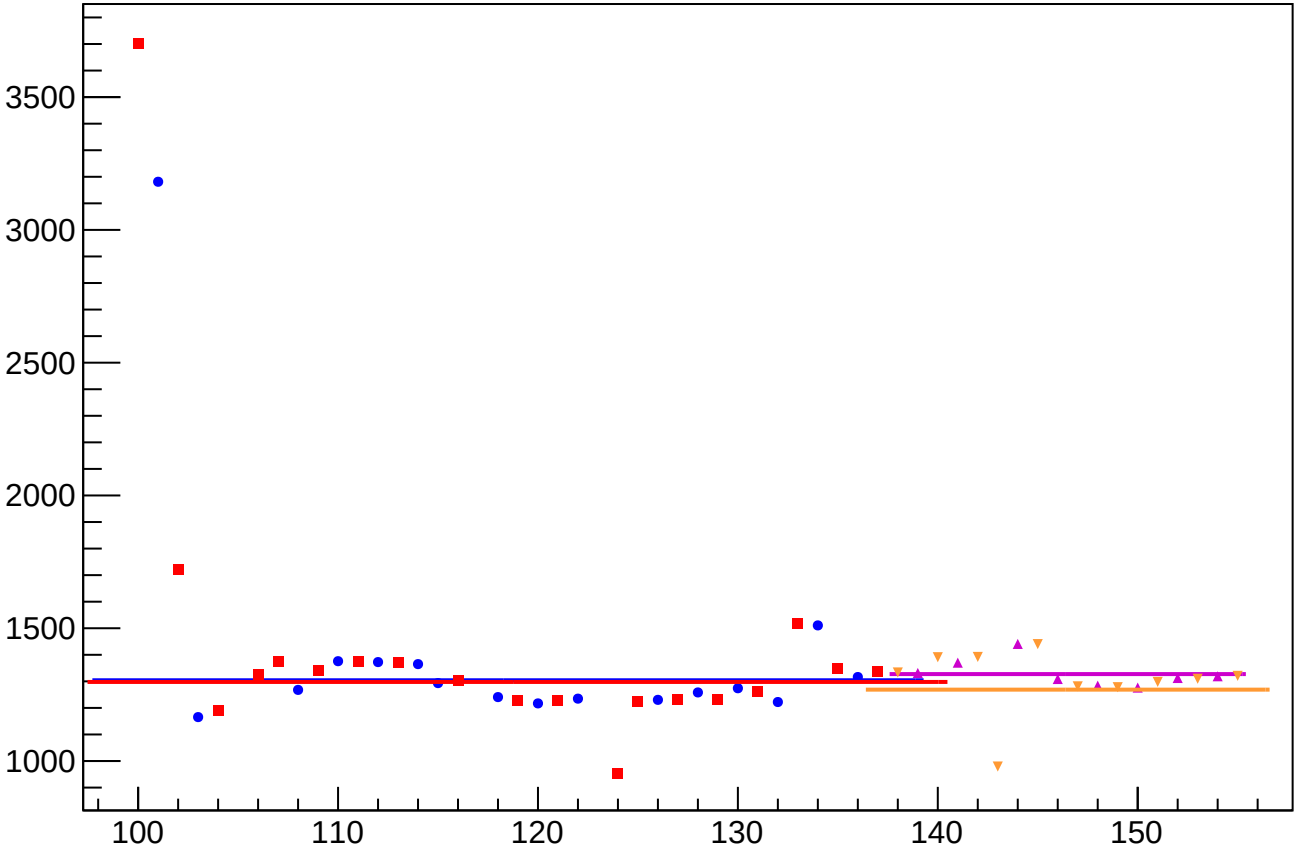
Left In: 315.671+/-501.326 χ^2/NDF:3.6/7

+ sign 164.230+/-334.971 χ^2/NDF: 34.7/25

All: 185.633+/-241.595 χ^2/NDF: 53.2/52

- sign 208.837+/-348.781 χ^2/NDF: 18.6/26

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: 1268.817+/-0.322 χ^2/NDF:194522.0/9

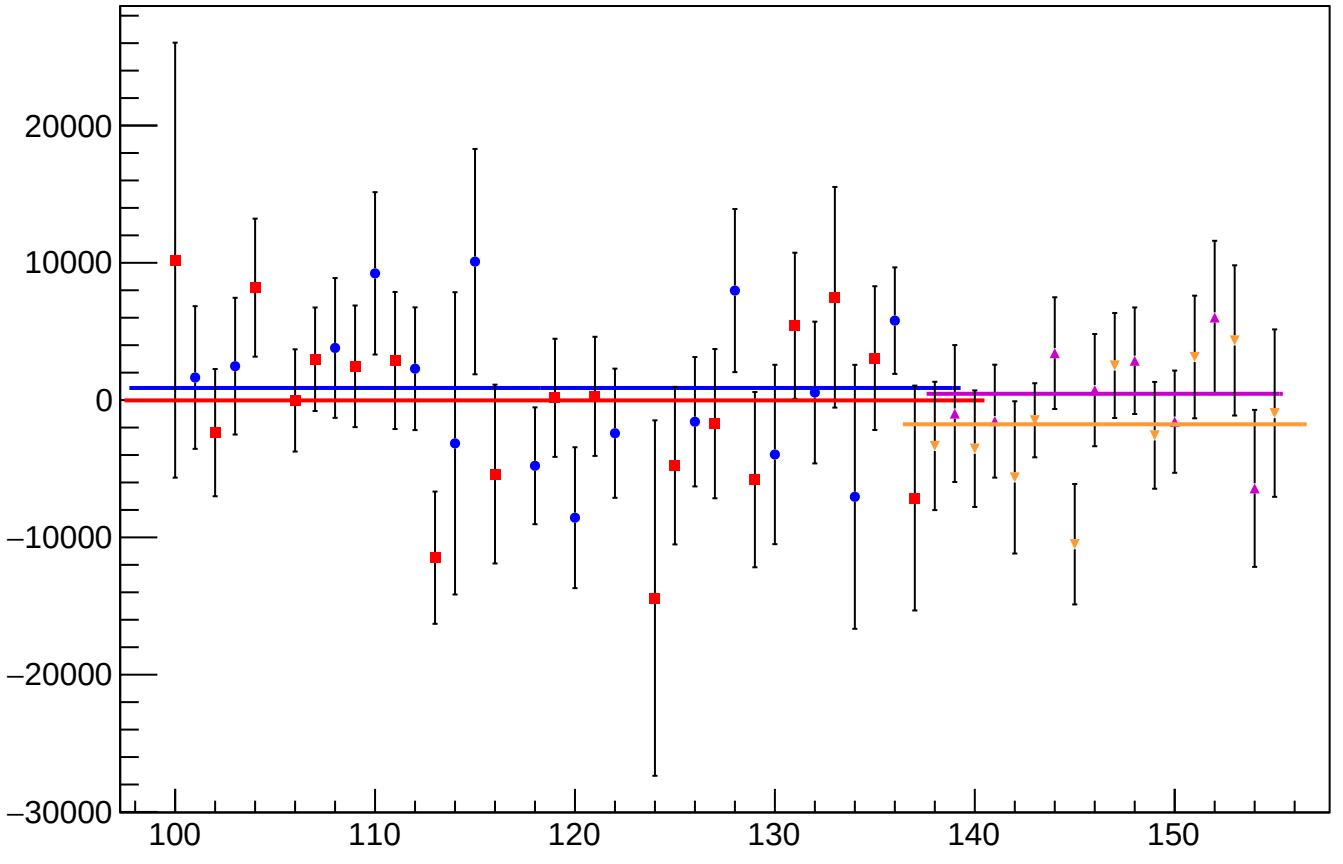
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.400+/-0.354 χ^2/NDF:18384.7/7

+ sign 1285.029+/-0.237 χ^2/NDF: 710623.2/25

All: 1298.030+/-0.171 χ^2/NDF: 951982.6/52

- sign 1312.114+/-0.247 χ^2/NDF: 235082.8/26



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1760.923+/-1326.846 χ^2/NDF:8.5/9

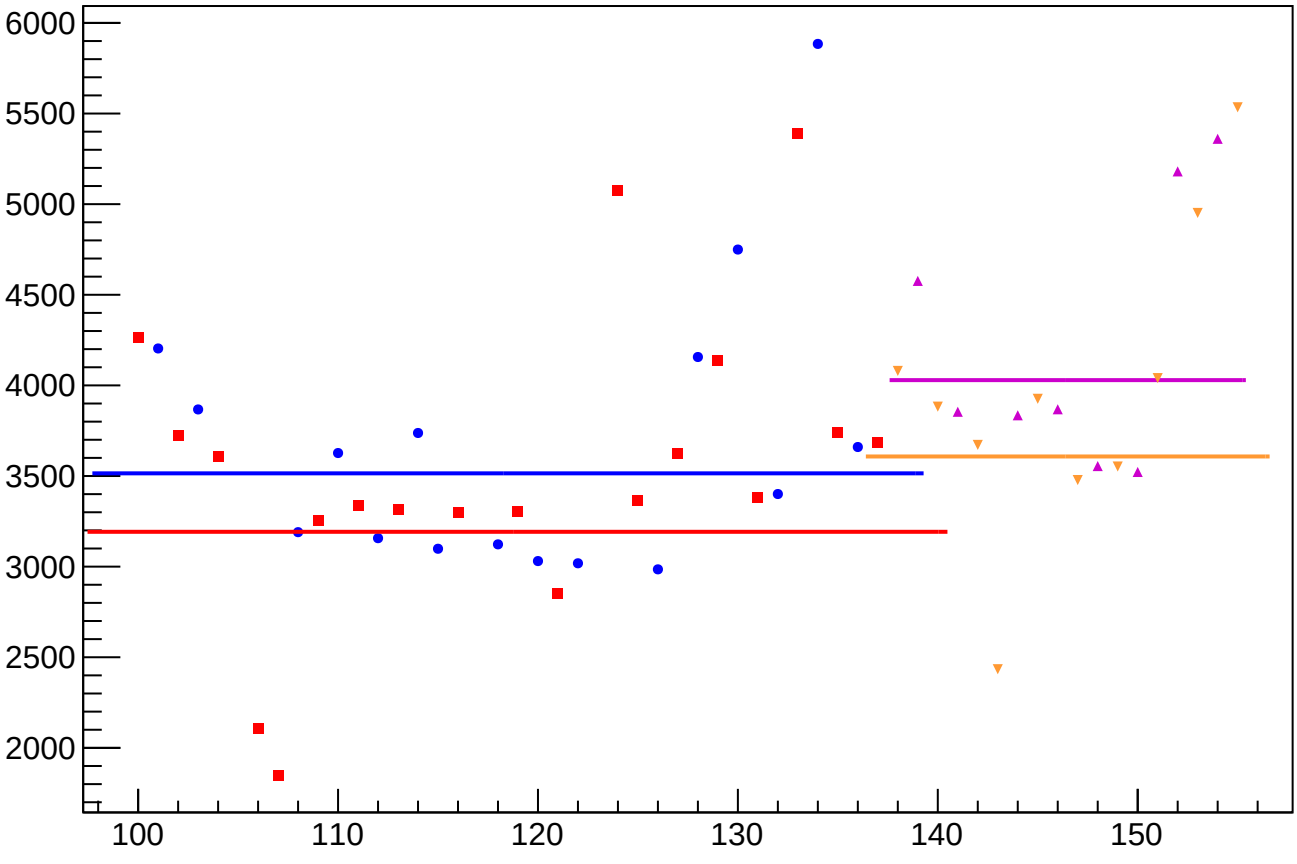
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 460.354+/-1541.523 χ^2/NDF:4.0/7

+ sign -438.985+/-938.416 χ^2/NDF: 24.6/25

All: -141.782+/-666.546 χ^2/NDF: 45.7/52

- sign 160.832+/-946.920 χ^2/NDF: 20.9/26



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3607.813+/-0.938 χ^2/NDF:760158.4/9

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

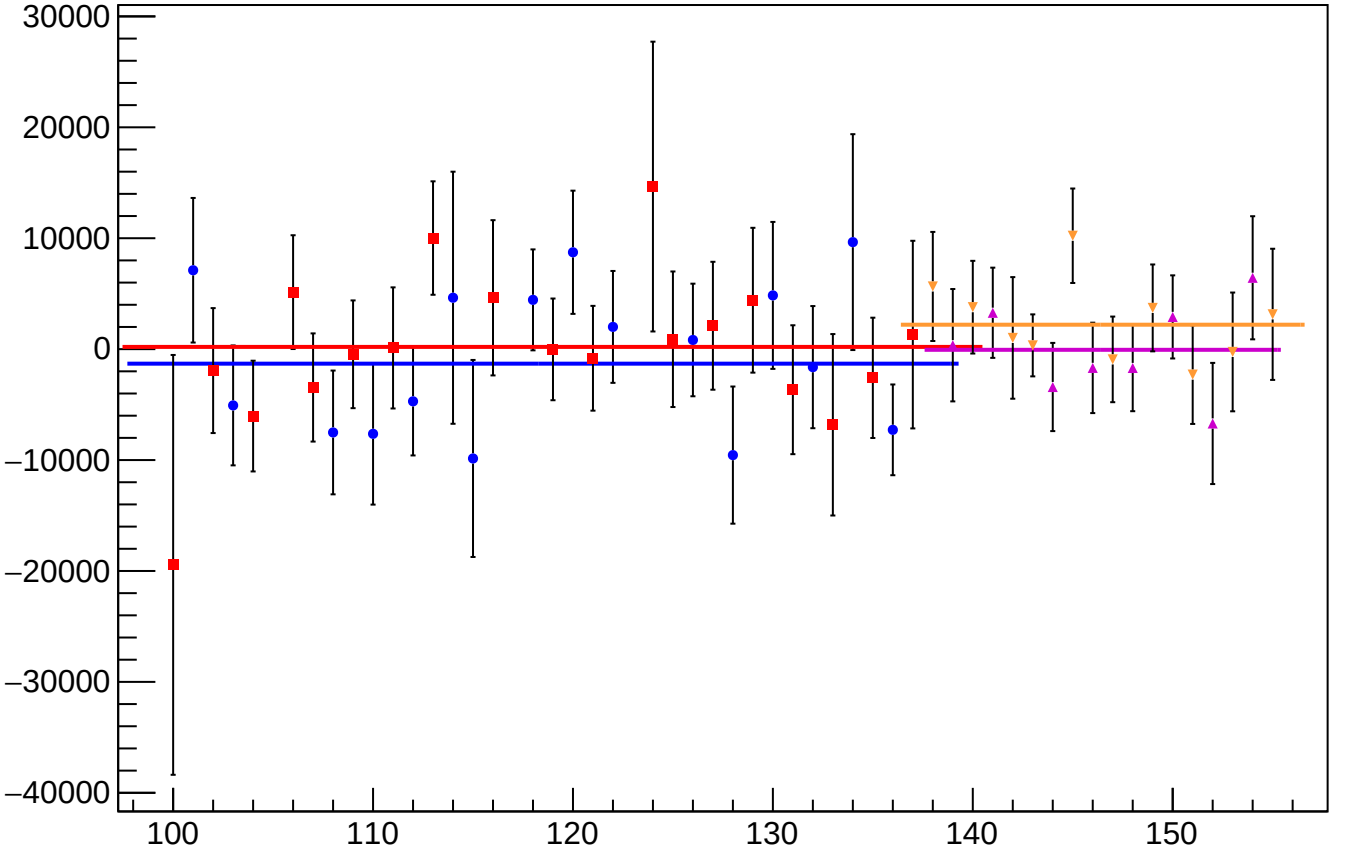
Left In: 4029.072+/-1.090 χ^2/NDF:295873.4/7

+ sign 3561.294+/-0.664 χ^2/NDF: 1140160.1/25

All: 3534.876+/-0.471 χ^2/NDF: 2578765.7/52

- sign 3507.978+/-0.670 χ^2/NDF: 1435406.8/26

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2203.166+/-1334.679 χ^2/NDF:6.7/9

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

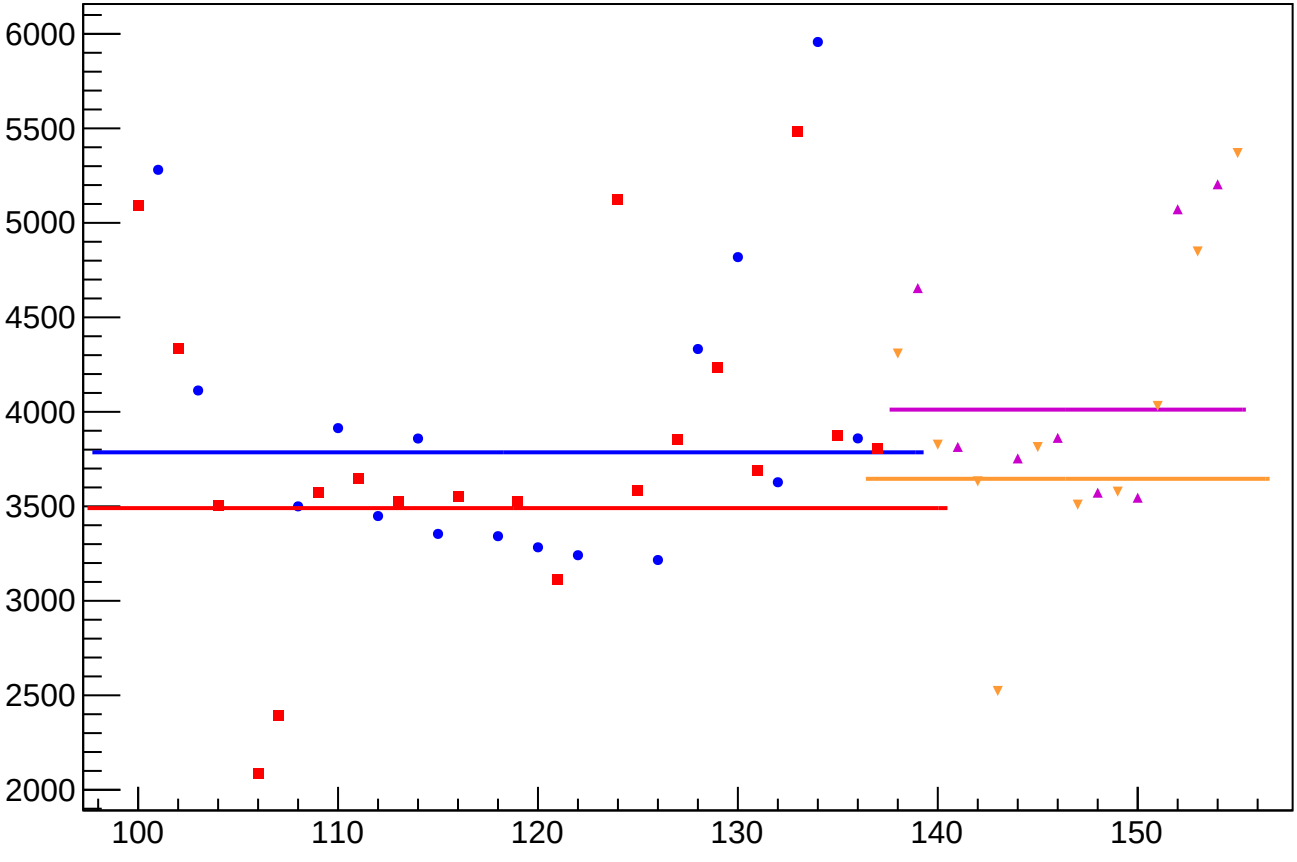
Left In: -60.364+/-1532.346 χ^2/NDF:5.2/7

+ sign 569.854+/-976.235 χ^2/NDF: 27.5/25

All: 336.628+/-700.937 χ^2/NDF: 44.5/52

- sign 88.457+/-1007.032 χ^2/NDF: 16.9/26

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3645.649+/-0.944 χ^2/NDF:654864.0/9

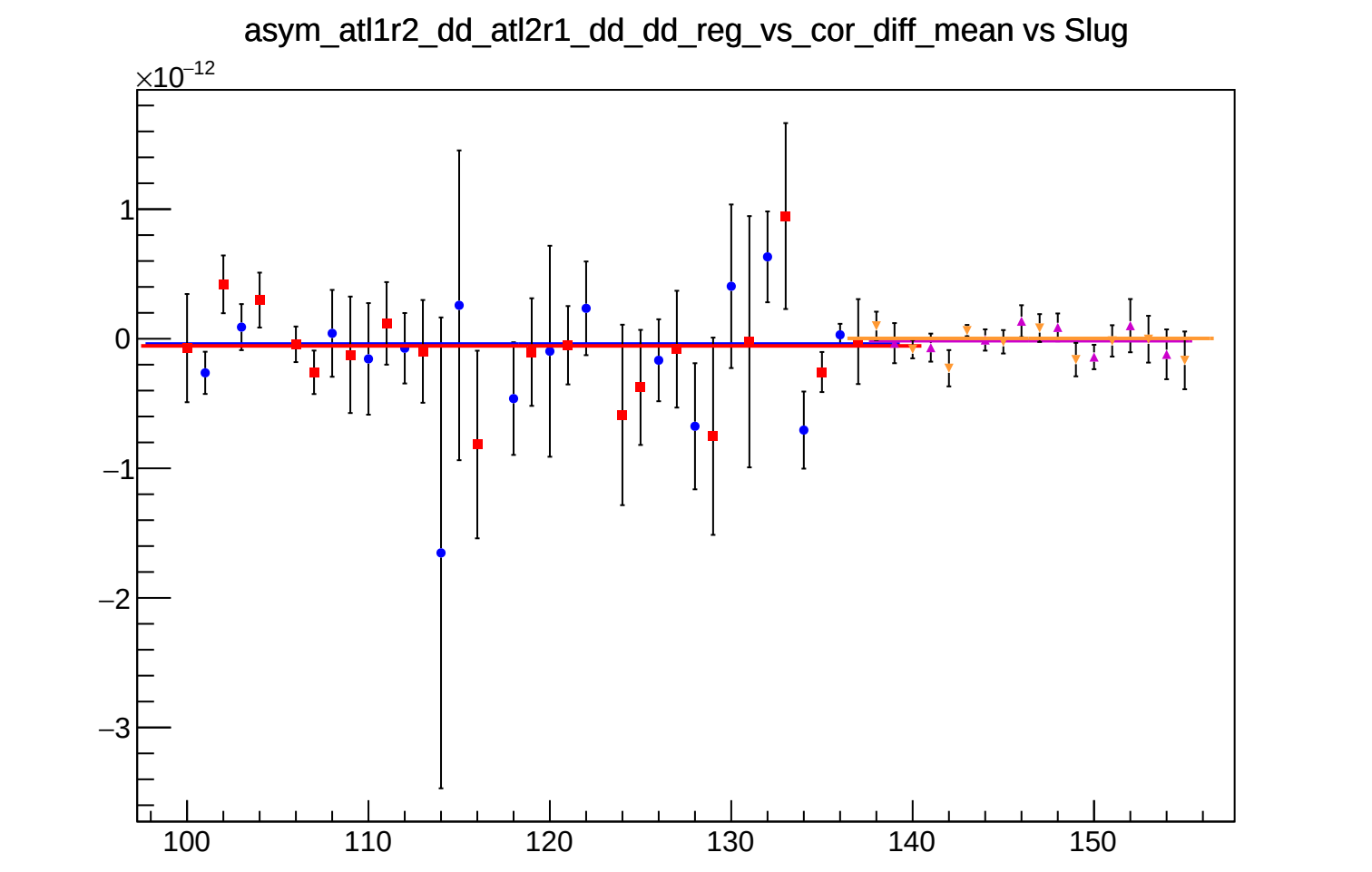
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

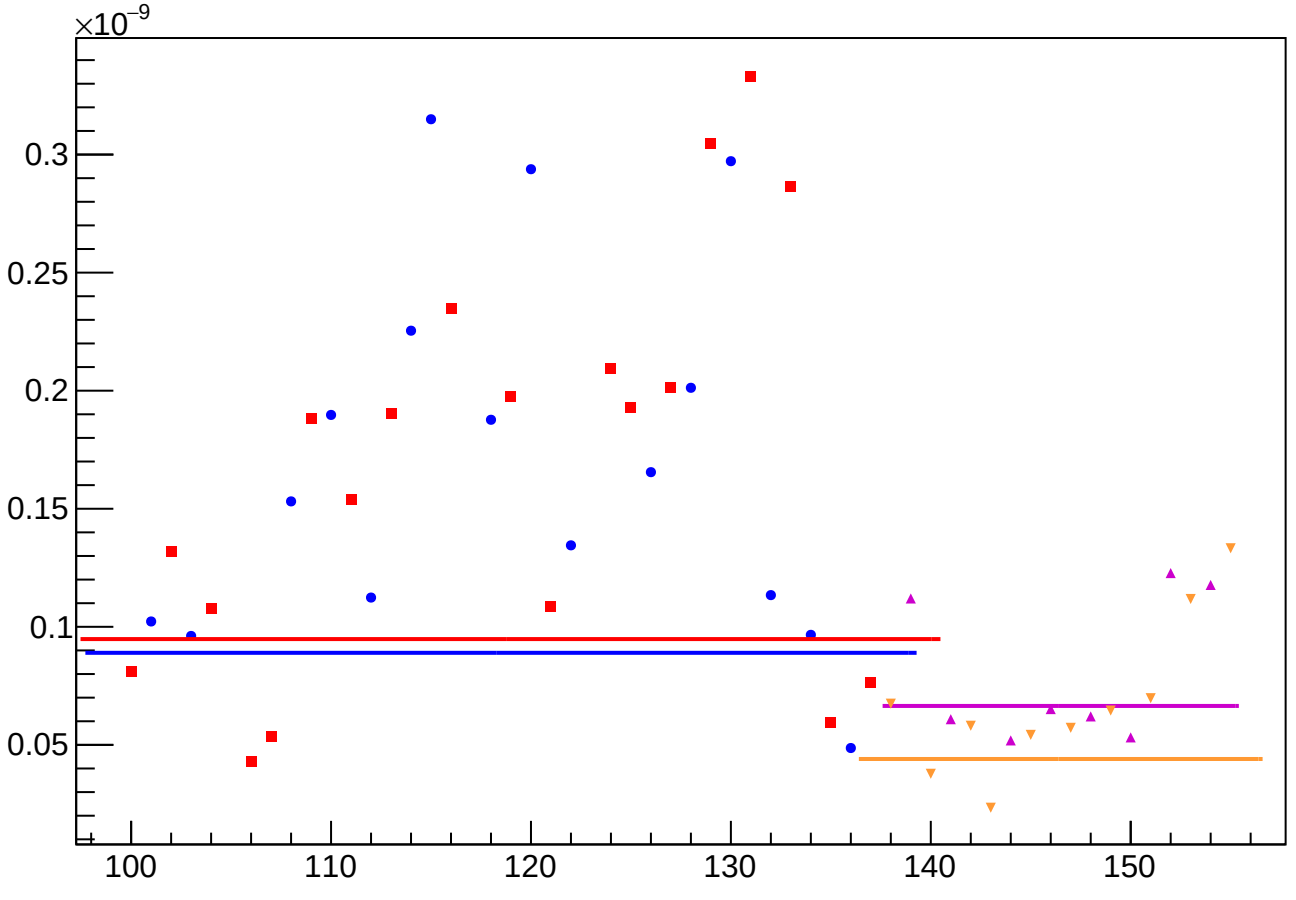
Left In: 4011.759+/-1.084 χ^2/NDF:272083.9/7

+ sign 3710.807+/-0.690 χ^2/NDF: 1048107.7/25

All: 3711.481+/-0.494 χ^2/NDF: 2039885.7/52

- sign 3712.187+/-0.707 χ^2/NDF: 991776.0/26


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
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:5.1/7
+ sign -0.000+/-0.000 χ²/NDF: 26.7/25
All: -0.000+/-0.000 χ²/NDF: 48.1/52
- sign -0.000+/-0.000 χ²/NDF: 21.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1367936.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

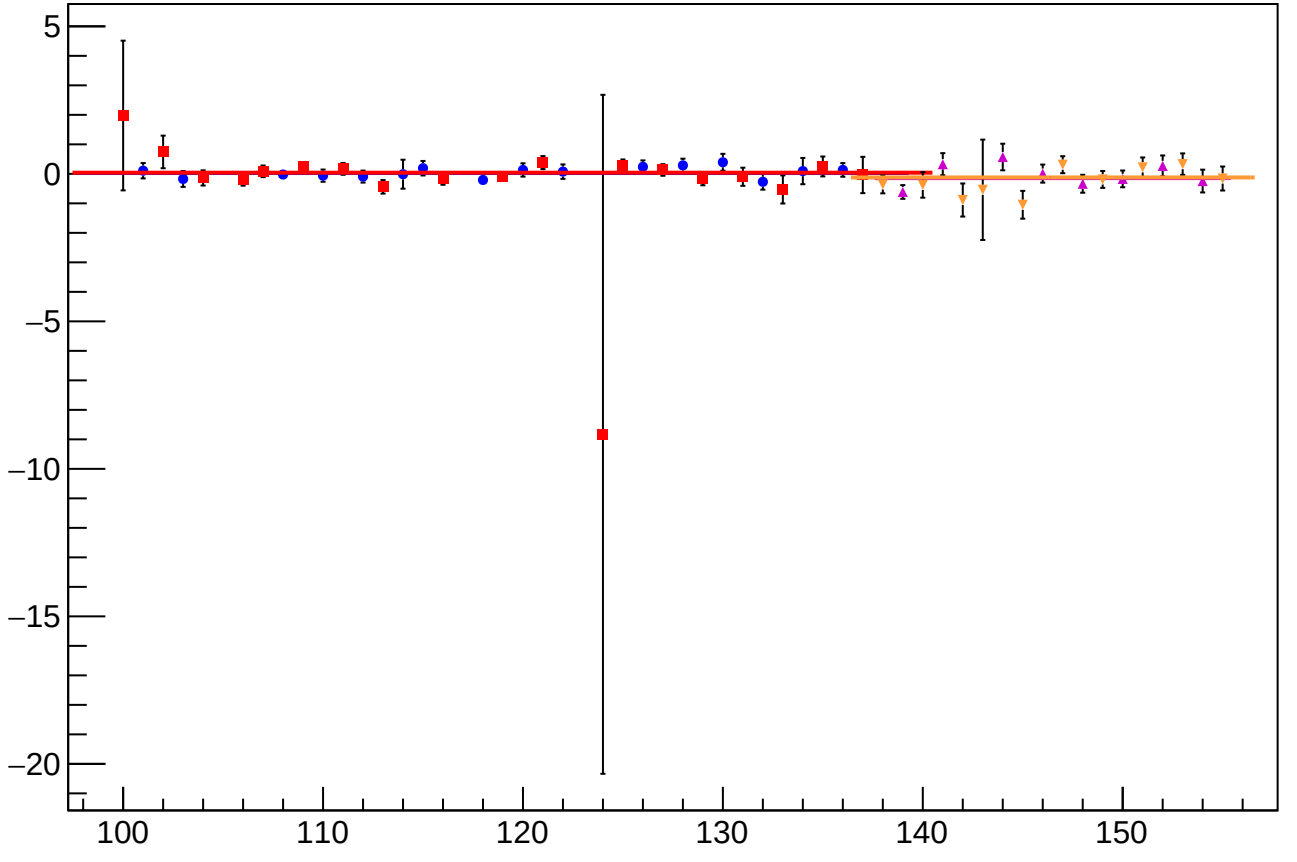
Left In: 0.000+/-0.000 χ^2/NDF:577604.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 3771826.6/25

All: 0.000+/-0.000 χ^2/NDF: 6898108.9/52

- sign 0.000+/-0.000 χ^2/NDF: 2589627.7/26

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

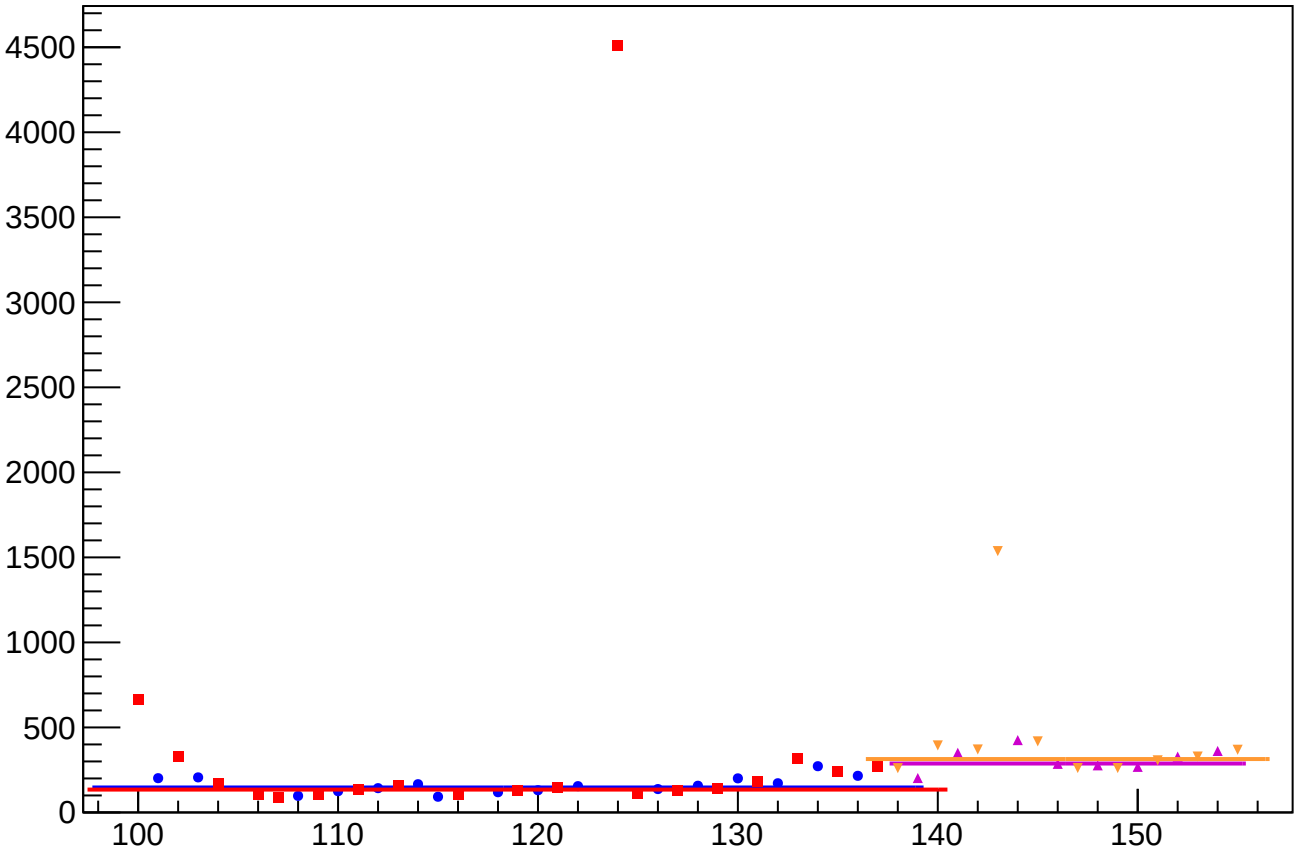
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 314.096+/-0.084 χ^2/NDF:1457813.7/9

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

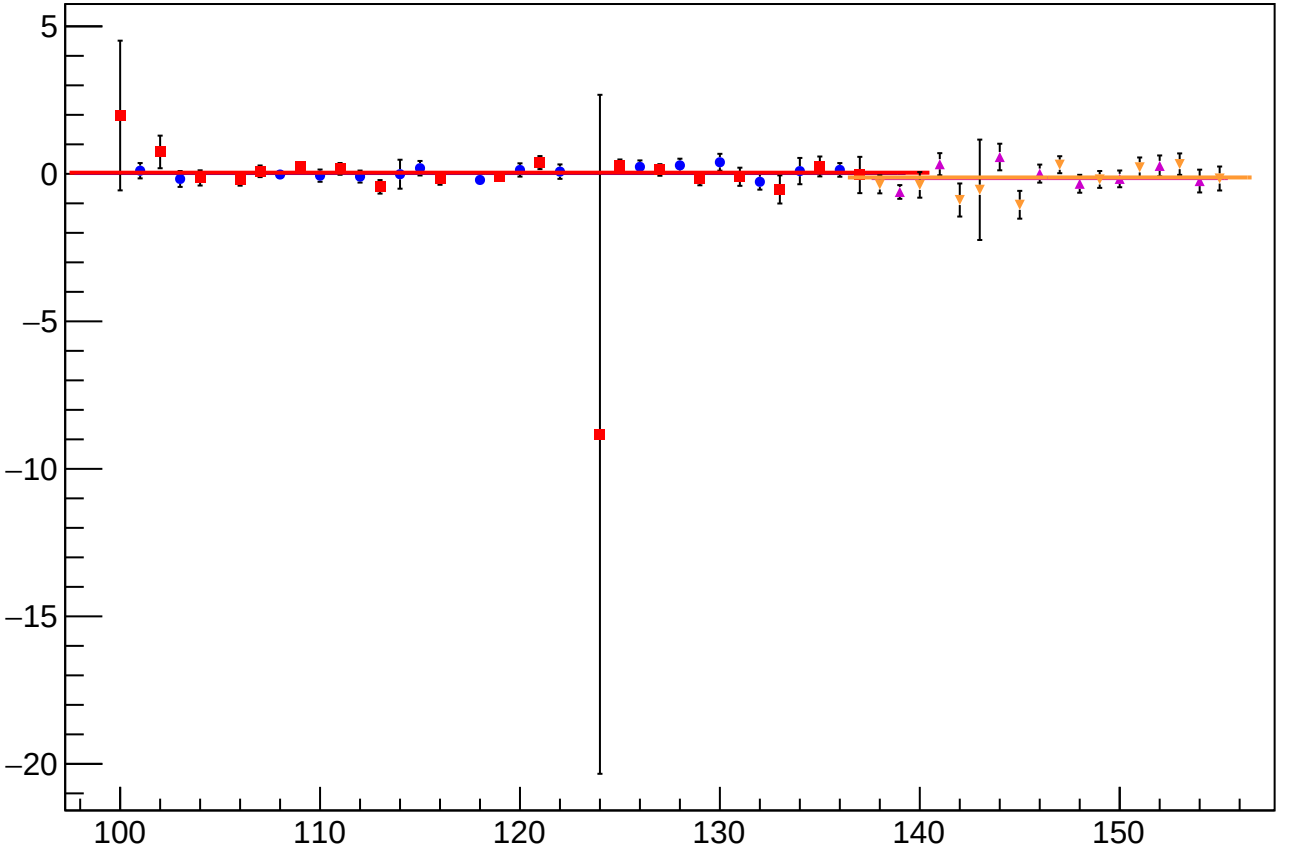
Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673653.9/25

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52

- sign 163.923+/-0.035 χ^2/NDF: 5235024.6/26

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

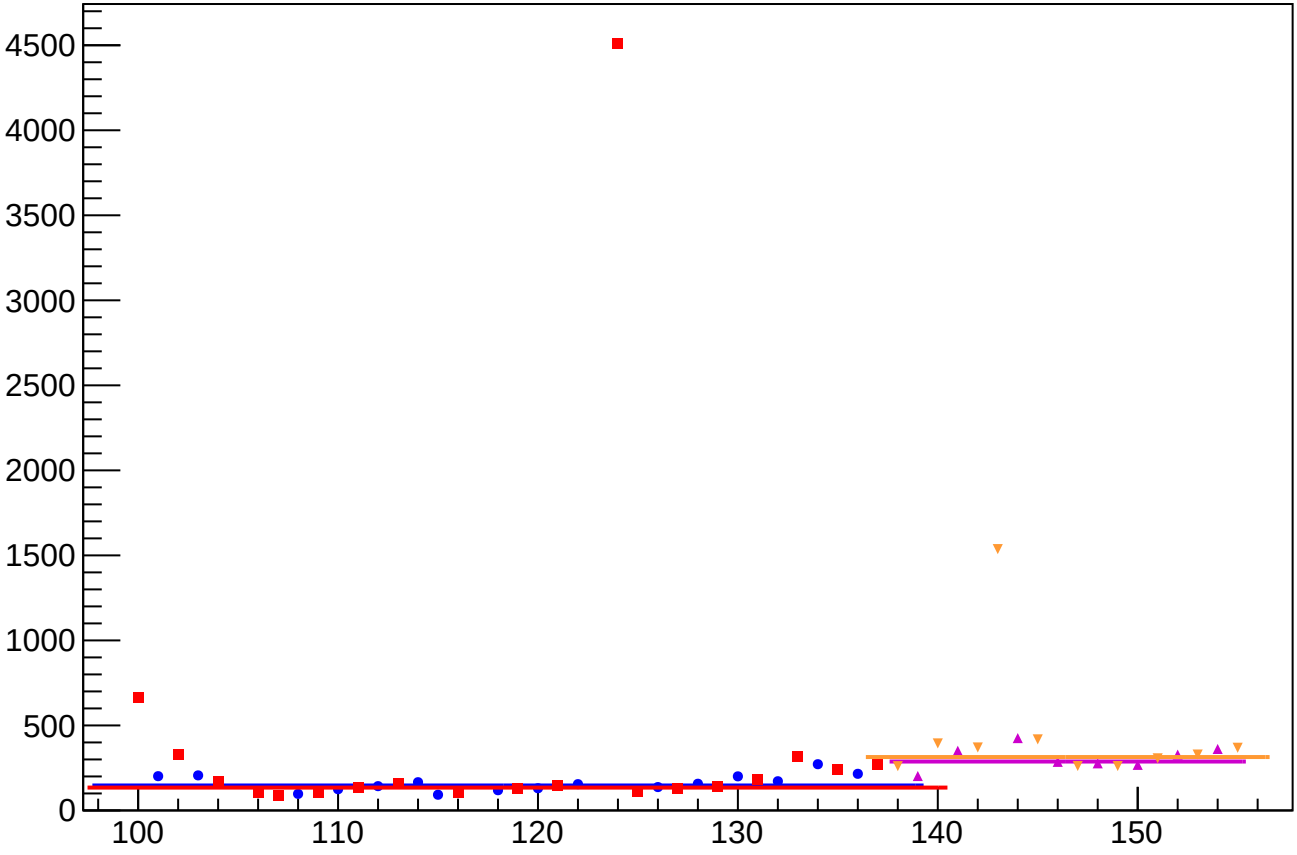
Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 314.096+/-0.084 χ^2/NDF:1457813.7/9

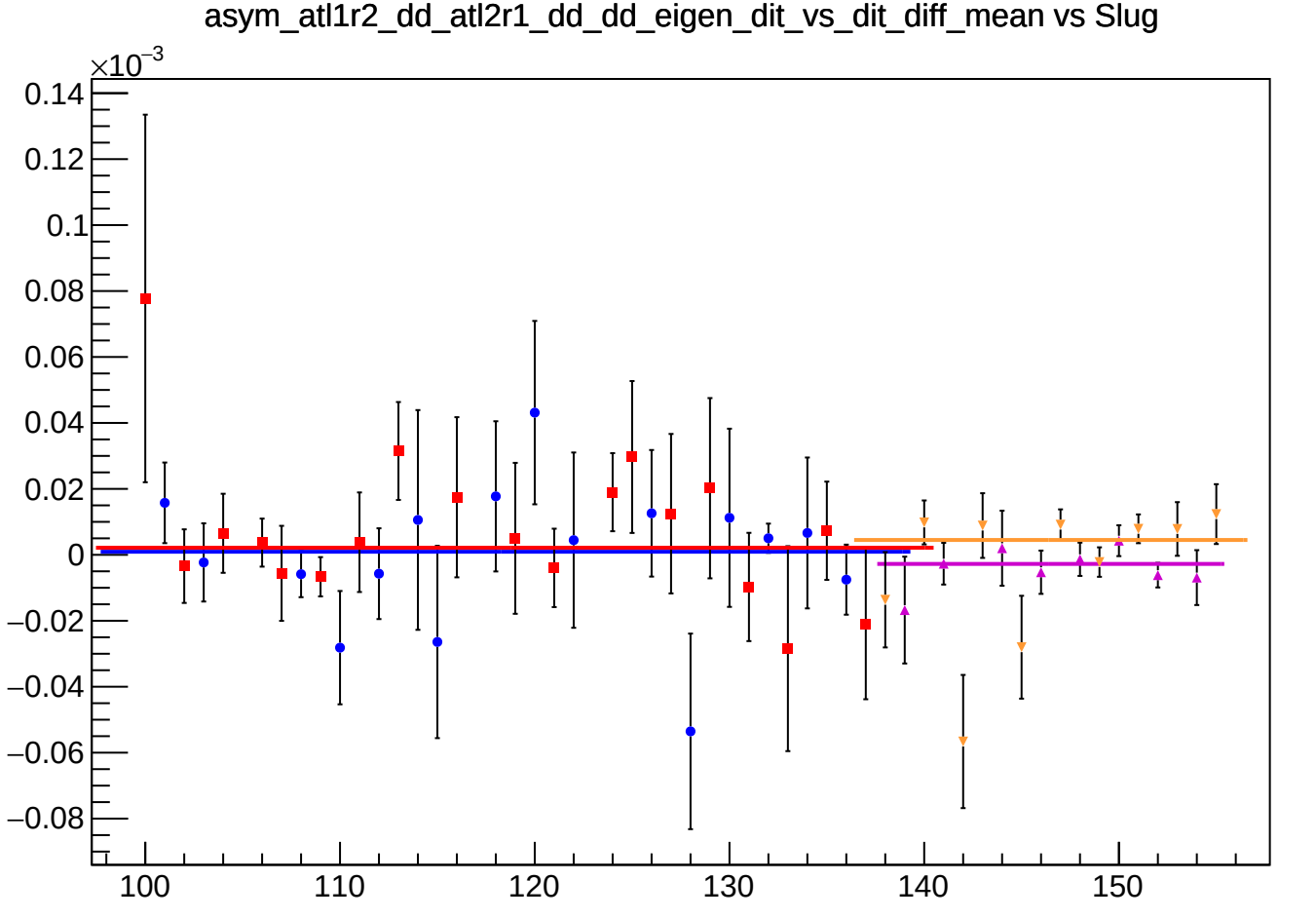
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

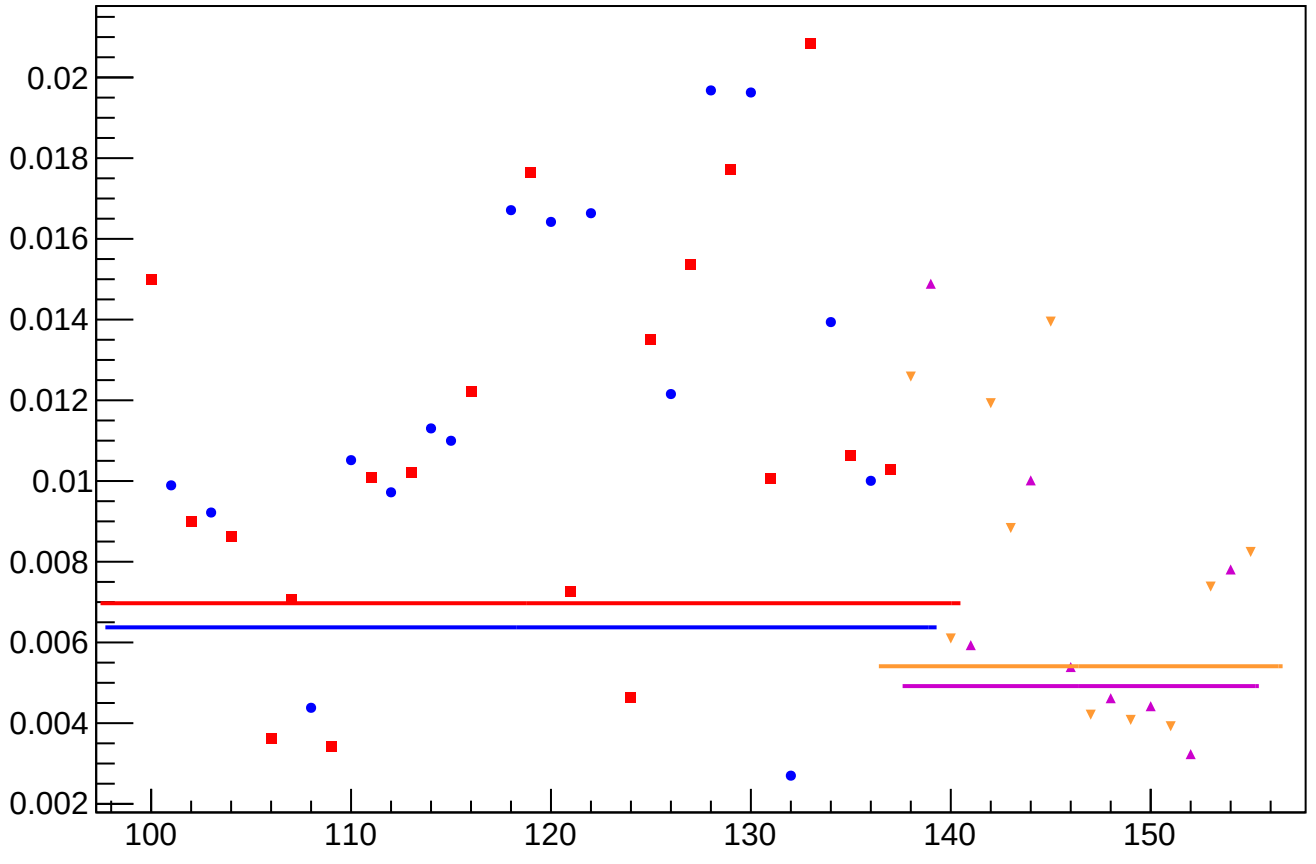
Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673653.9/25

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52

- sign 163.923+/-0.035 χ^2/NDF: 5235024.6/26


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
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:20.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:4.5/7
+ sign 0.000+/-0.000 χ²/NDF: 36.5/25
All: 0.000+/-0.000 χ²/NDF: 62.2/52
- sign -0.000+/-0.000 χ²/NDF: 22.3/26



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2422742.1/9

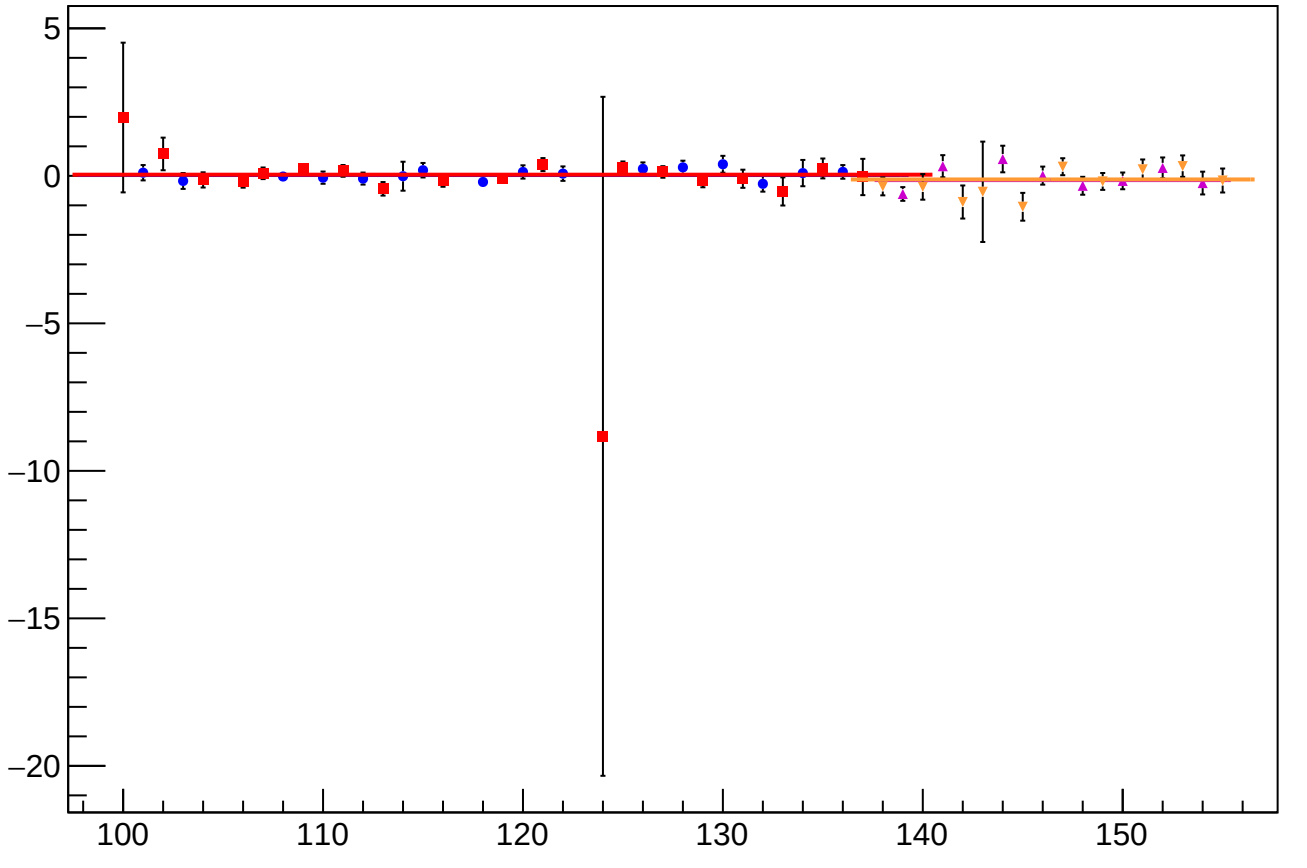
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1899835.1/7

+ sign 0.006+/-0.000 χ^2/NDF: 7204447.8/25

All: 0.006+/-0.000 χ^2/NDF: 13151769.2/52

- sign 0.006+/-0.000 χ^2/NDF: 5938376.7/26



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

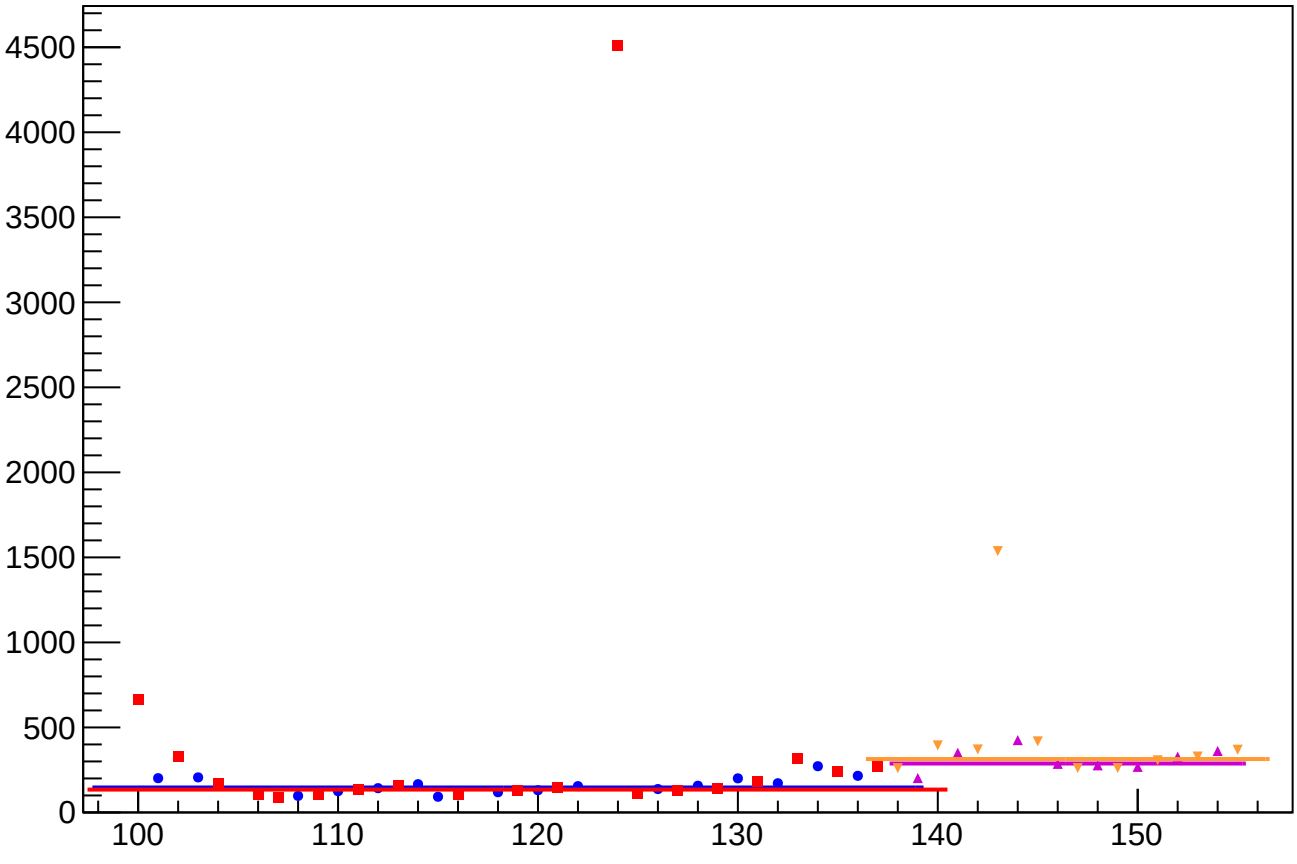
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 314.099+/-0.084 χ^2/NDF:1457814.6/9

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

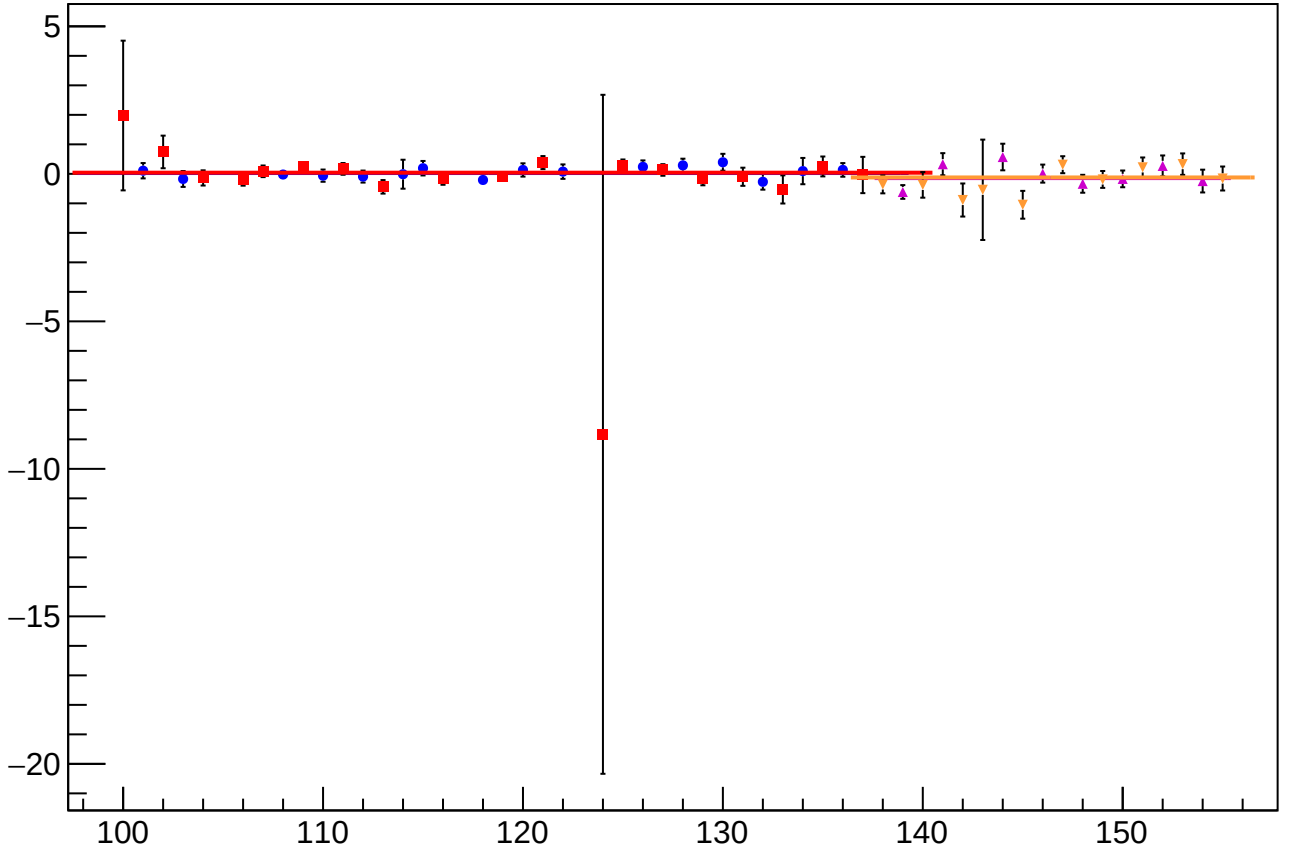
Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673676.2/25

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52

- sign 163.924+/-0.035 χ^2/NDF: 5234963.5/26

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: -0.122+/-0.119 χ^2/NDF:11.6/9

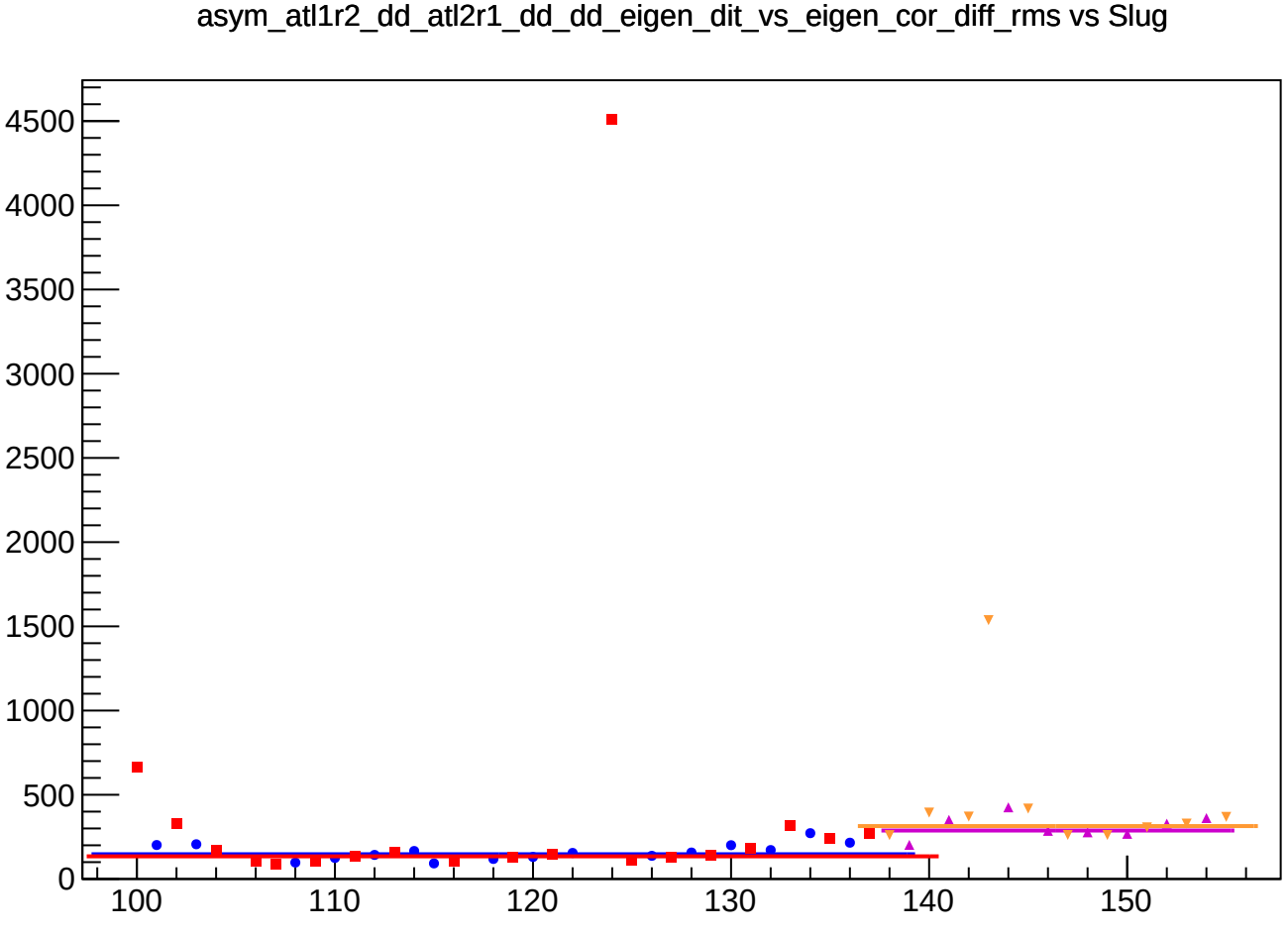
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.144+/-0.112 χ^2/NDF:10.3/7

+ sign -0.001+/-0.052 χ^2/NDF: 22.4/25

All: 0.002+/-0.036 χ^2/NDF: 54.8/52

- sign 0.004+/-0.049 χ^2/NDF: 32.4/26



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 314.099+/-0.084 χ^2/NDF:1457814.6/9

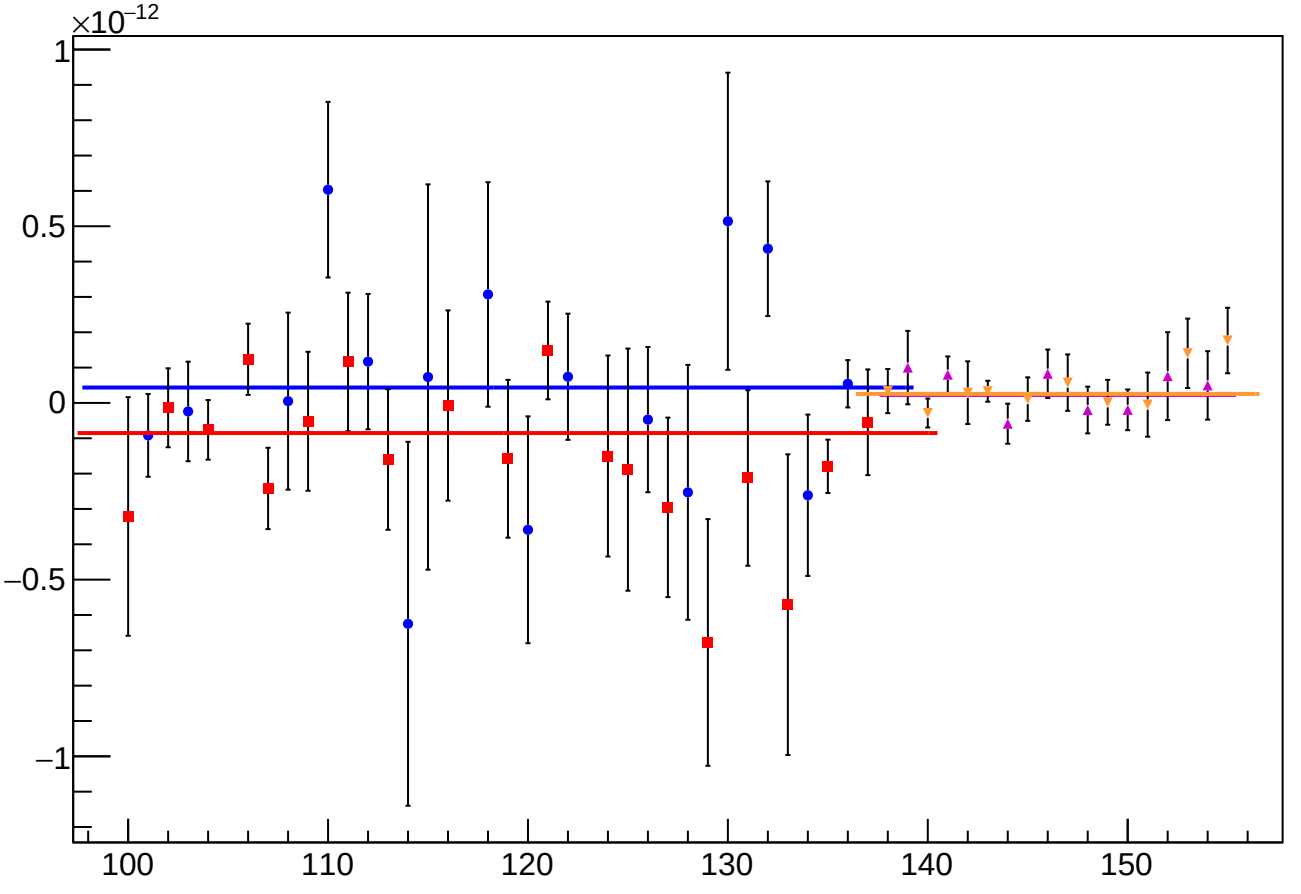
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

+ sign 178.849+/-0.037 χ^2/NDF: 5673676.2/25

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52

- sign 163.924+/-0.035 χ^2/NDF: 5234963.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/9

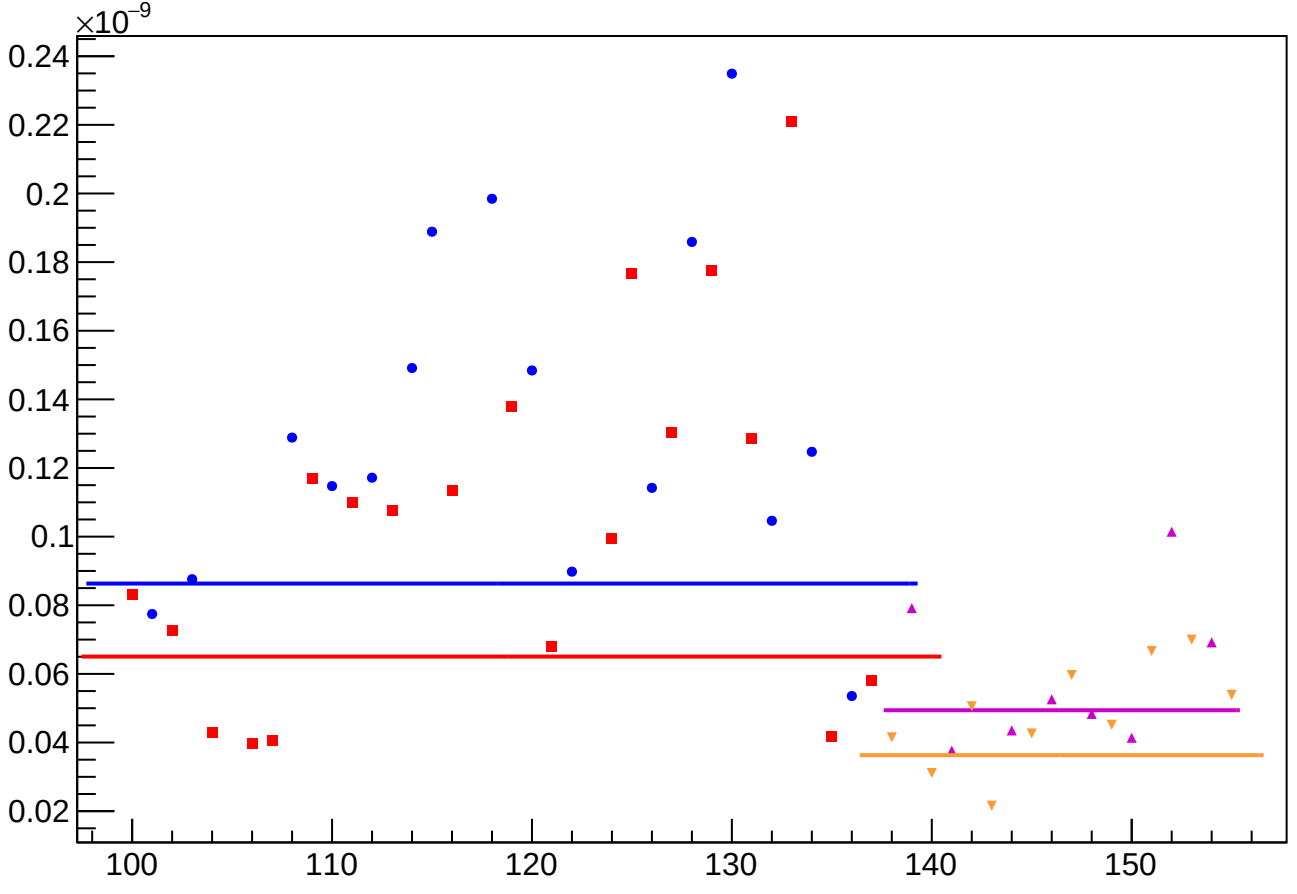
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 25.4/25

All: 0.000+/-0.000 χ^2/NDF: 58.7/52

- sign -0.000+/-0.000 χ^2/NDF: 30.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354172.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

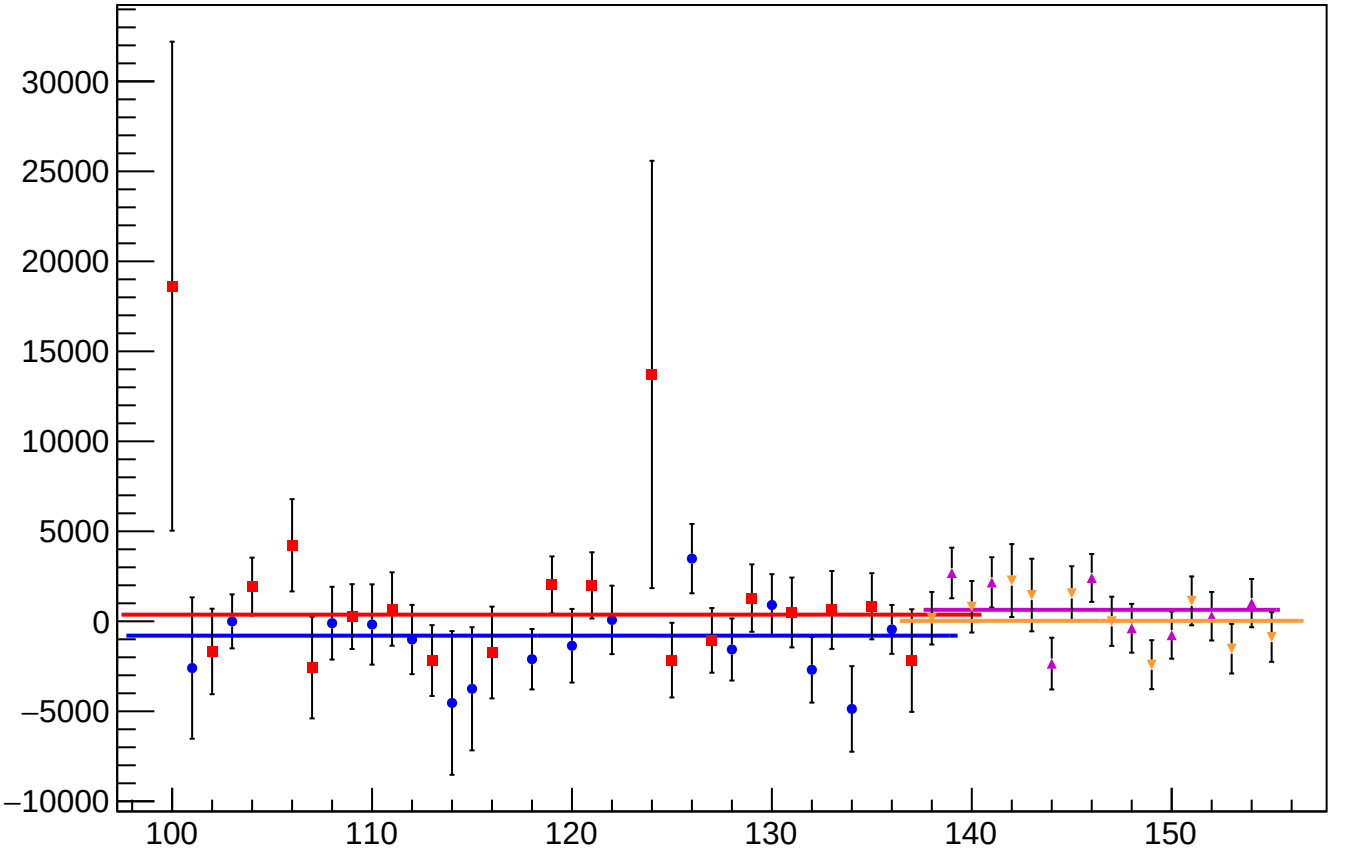
Left In: 0.000+/-0.000 χ^2/NDF:767201.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 5250455.9/25

All: 0.000+/-0.000 χ^2/NDF: 8810440.0/52

- sign 0.000+/-0.000 χ^2/NDF: 3203789.6/26

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 25.755+/-468.741 χ^2/NDF:8.6/9

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

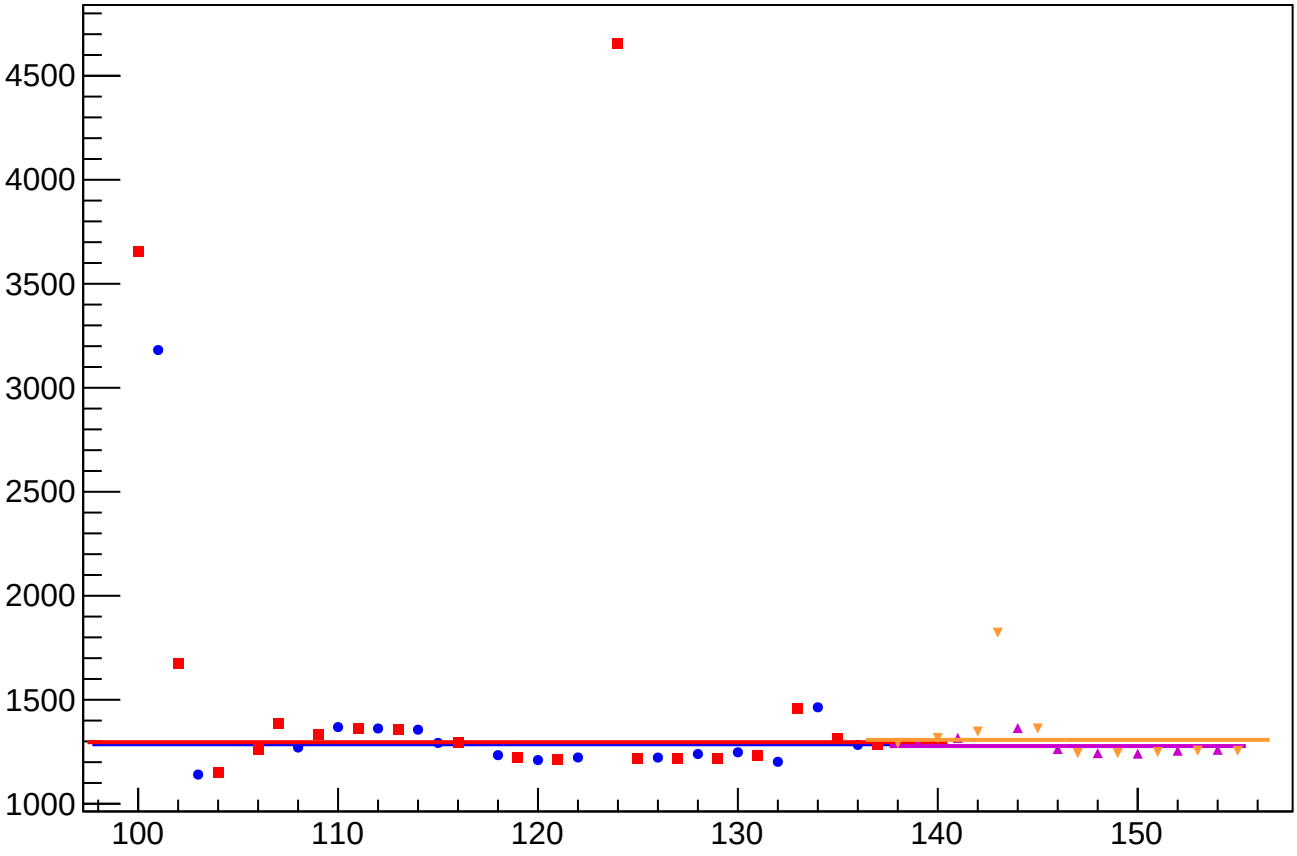
Left In: 638.924+/-482.336 χ^2/NDF:11.3/7

+ sign -369.664+/-337.872 χ^2/NDF: 23.5/25

All: 62.201+/-240.458 χ^2/NDF: 53.8/52

- sign 505.436+/-342.290 χ^2/NDF: 27.0/26

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

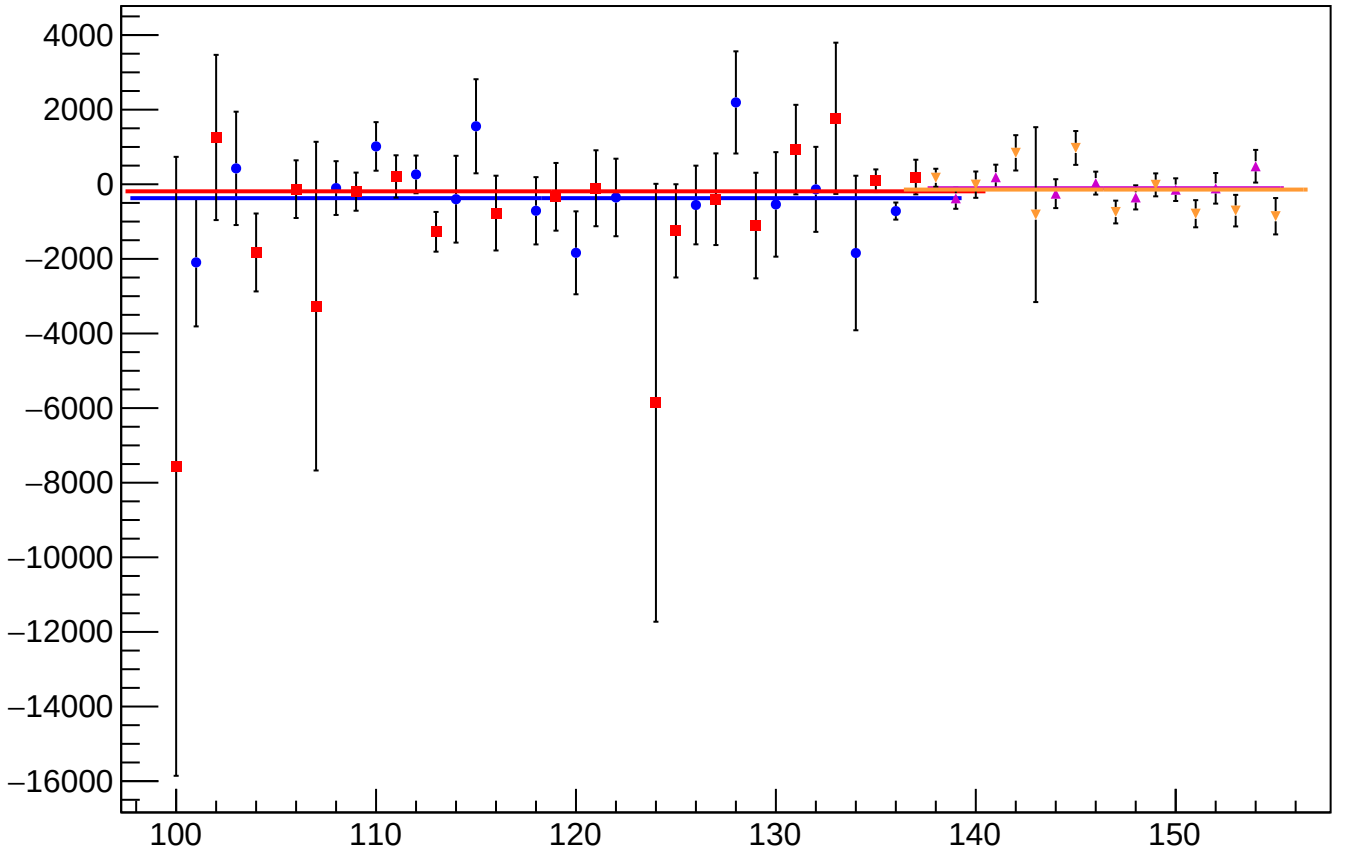
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

+ sign 1297.144+/-0.239 χ^2/NDF: 672707.1/25

All: 1291.954+/-0.170 χ^2/NDF: 1016235.6/52

- sign 1286.627+/-0.242 χ^2/NDF: 342572.2/26



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -142.165+/-116.781 χ^2/NDF:23.5/9

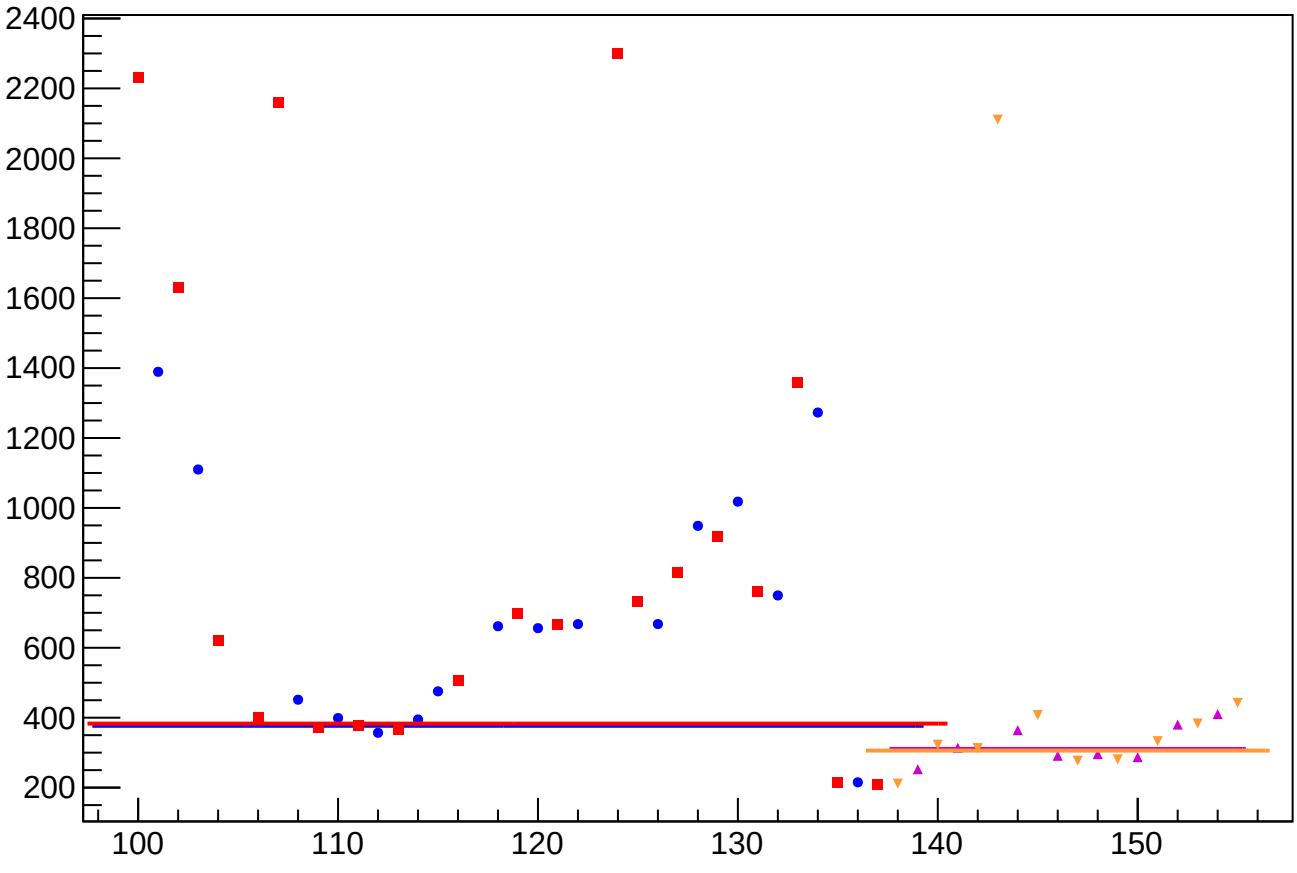
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -105.612+/-119.290 χ^2/NDF:4.4/7

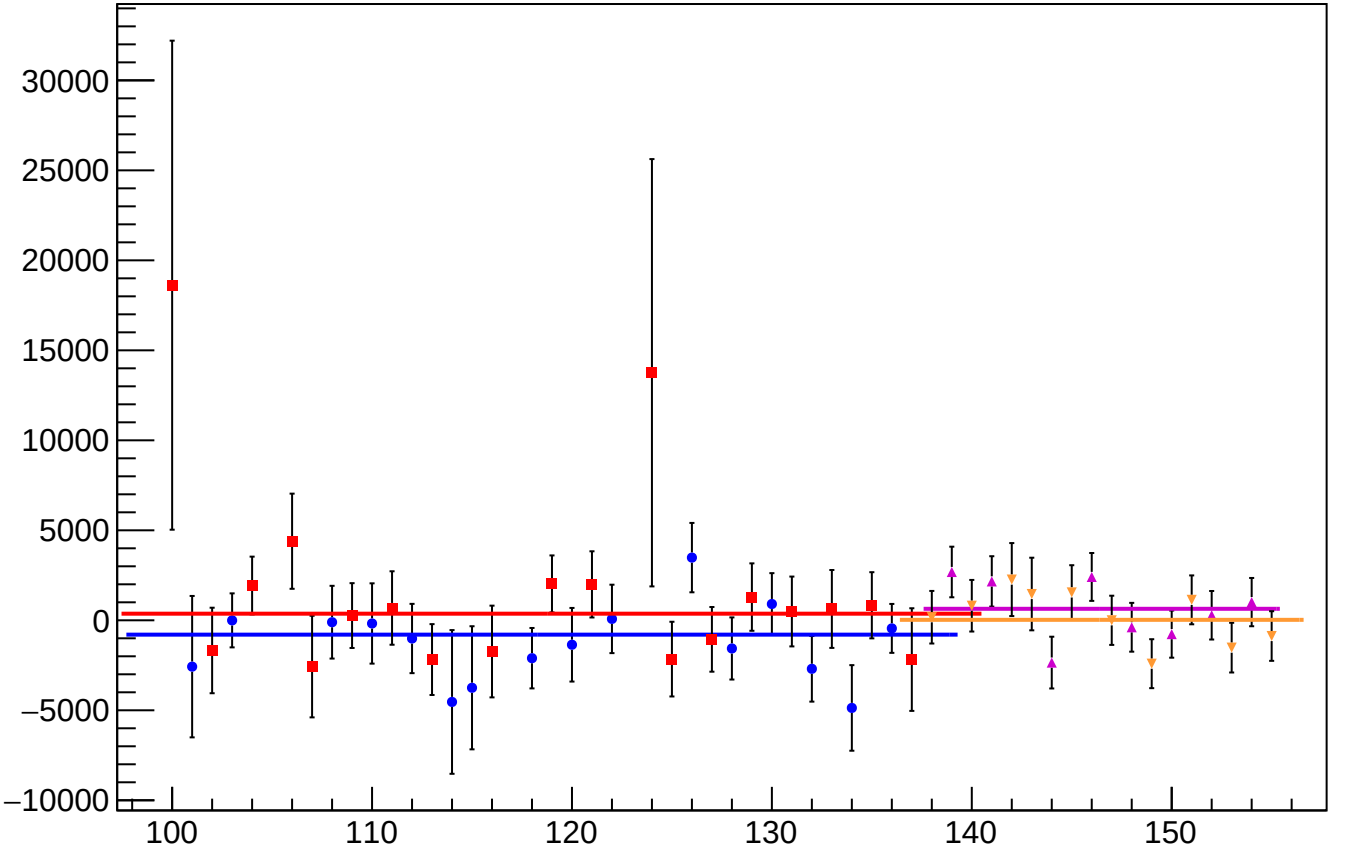
+ sign -217.025+/-95.928 χ^2/NDF: 42.9/25

All: -175.822+/-68.403 χ^2/NDF: 62.5/52

- sign -133.198+/-97.567 χ^2/NDF: 19.2/26


asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 376.893+/-0.119 χ²/NDF: 4190194.7/15
Left Out: 305.954+/-0.083 χ²/NDF:1861790.7/9
Right Out: 383.074+/-0.120 χ²/NDF: 4054121.5/18
Left In: 310.564+/-0.084 χ²/NDF:309025.7/7
+ sign 329.027+/-0.068 χ²/NDF: 6292013.4/25
All: 331.751+/-0.048 χ²/NDF: 10903061.1/52
- sign 334.568+/-0.069 χ²/NDF: 4607767.9/26

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 25.770+/-468.741 χ^2/NDF:8.6/9

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

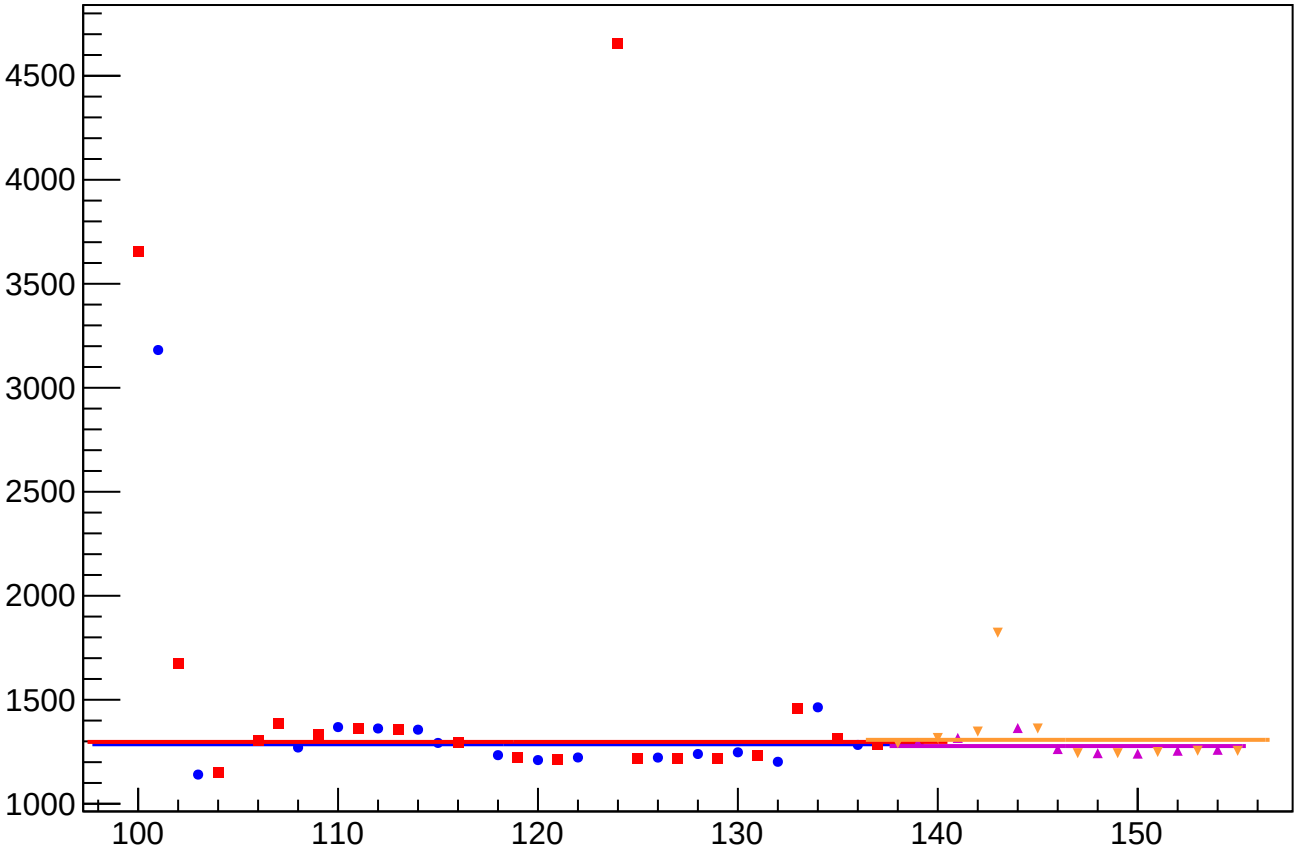
Left In: 638.878+/-482.336 χ^2/NDF:11.3/7

+ sign -369.464+/-337.872 χ^2/NDF: 23.5/25

All: 61.510+/-240.522 χ^2/NDF: 53.9/52

- sign 504.301+/-342.473 χ^2/NDF: 27.1/26

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

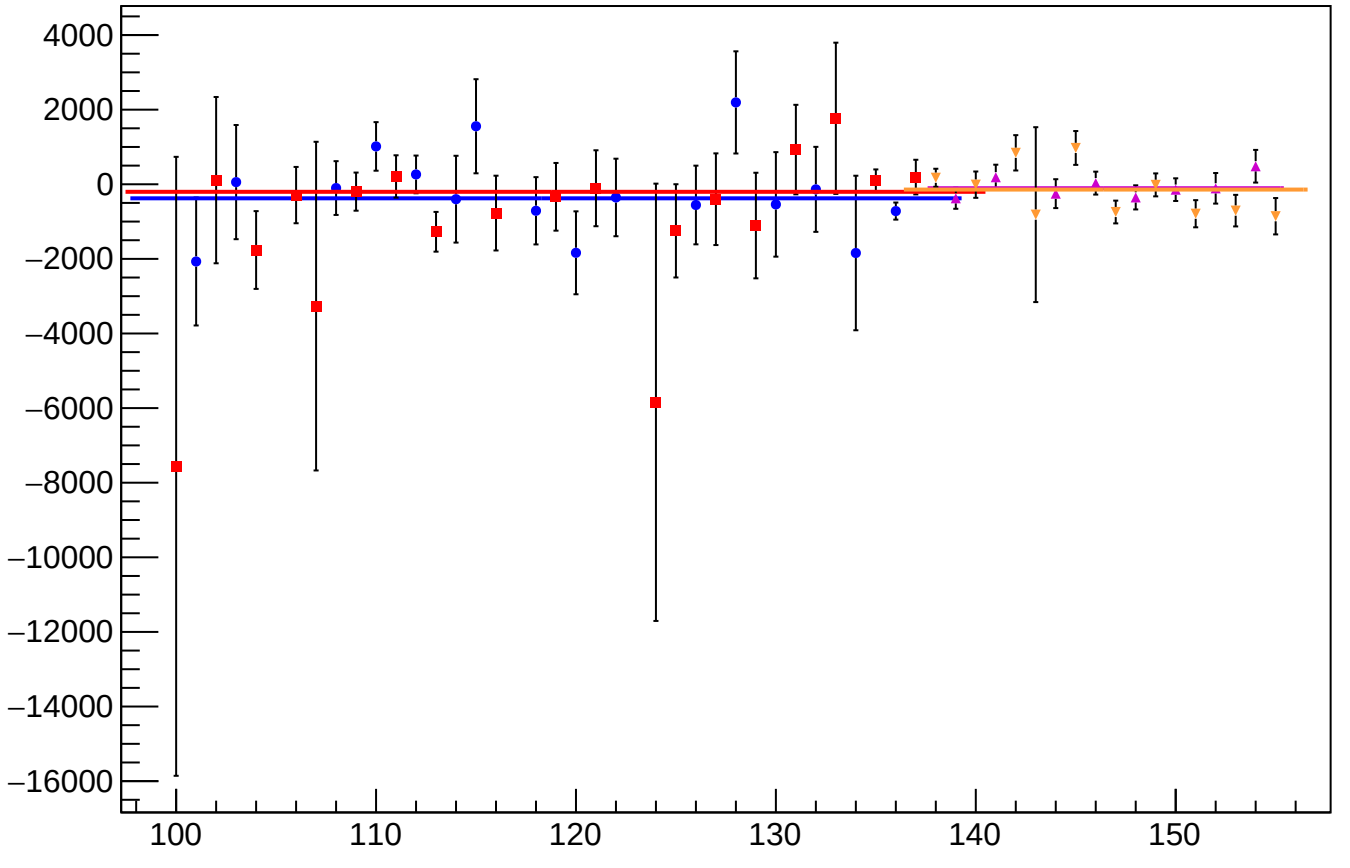
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

+ sign 1297.144+/-0.239 χ^2/NDF: 672708.5/25

All: 1292.306+/-0.170 χ^2/NDF: 1016019.9/52

- sign 1287.336+/-0.242 χ^2/NDF: 342480.2/26



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -142.182+/-116.785 χ^2/NDF:23.5/9

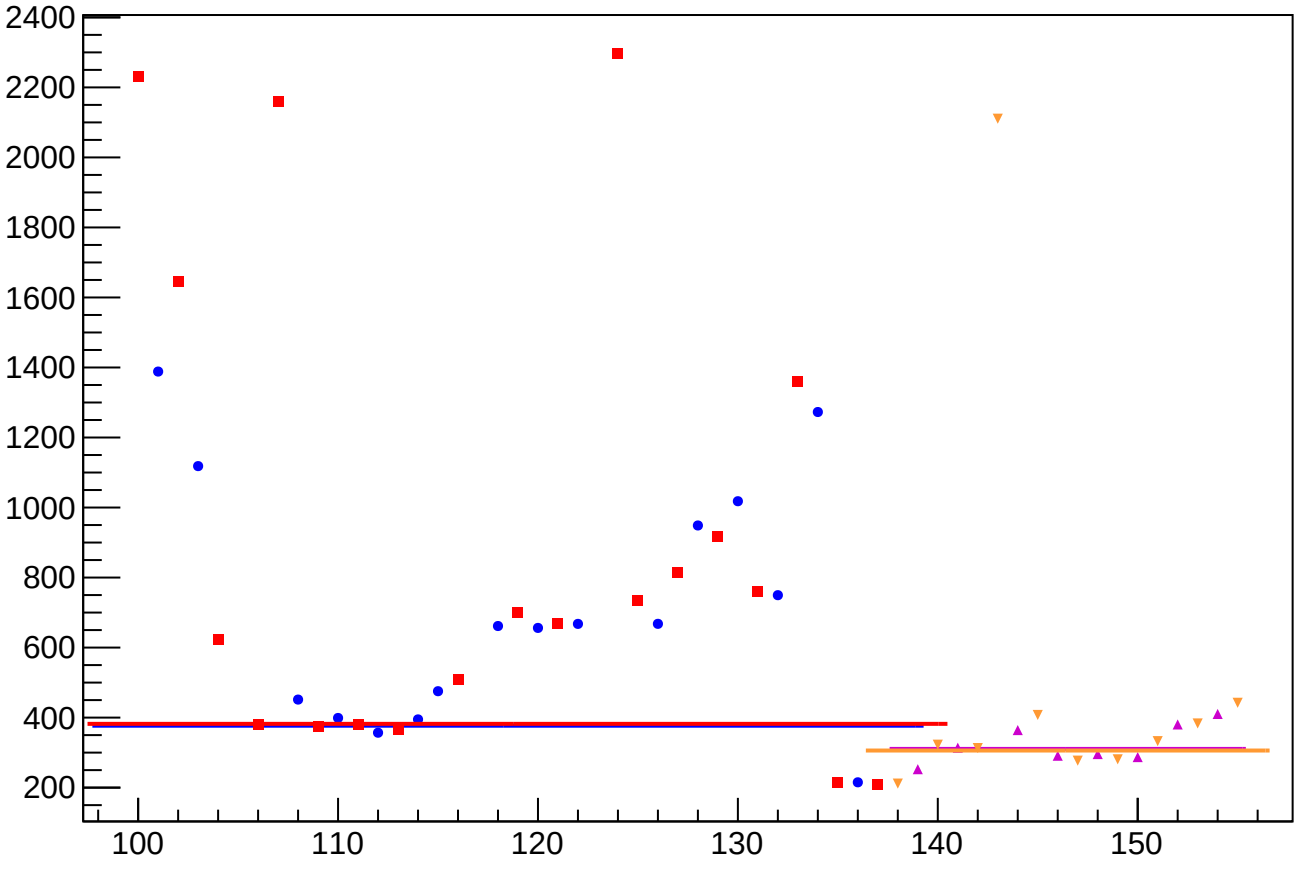
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

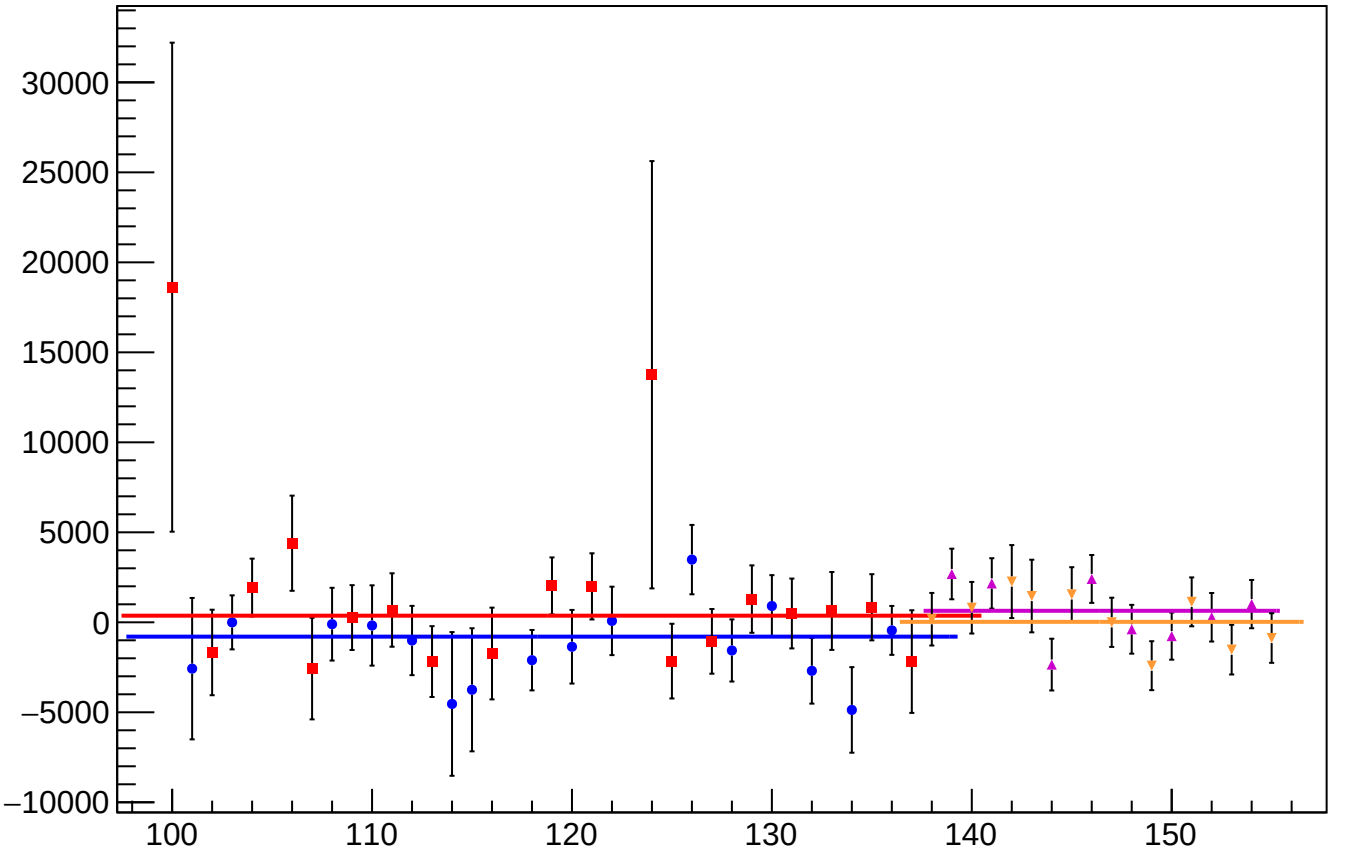
Left In: -105.646+/-119.289 χ^2/NDF:4.4/7

+ sign -218.473+/-95.933 χ^2/NDF: 42.7/25

All: -178.723+/-68.392 χ^2/NDF: 61.8/52

- sign -137.640+/-97.529 χ^2/NDF: 18.7/26


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 376.884+/-0.119 χ²/NDF: 4193328.0/15
Left Out: 305.964+/-0.083 χ²/NDF:1861726.1/9
Right Out: 382.136+/-0.120 χ²/NDF: 4059600.2/18
Left In: 310.563+/-0.084 χ²/NDF:309059.4/7
+ sign 329.028+/-0.068 χ²/NDF: 6294915.1/25
All: 331.617+/-0.048 χ²/NDF: 10905256.1/52
- sign 334.293+/-0.069 χ²/NDF: 4607378.6/26



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 25.770+/-468.741 χ^2/NDF:8.6/9

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

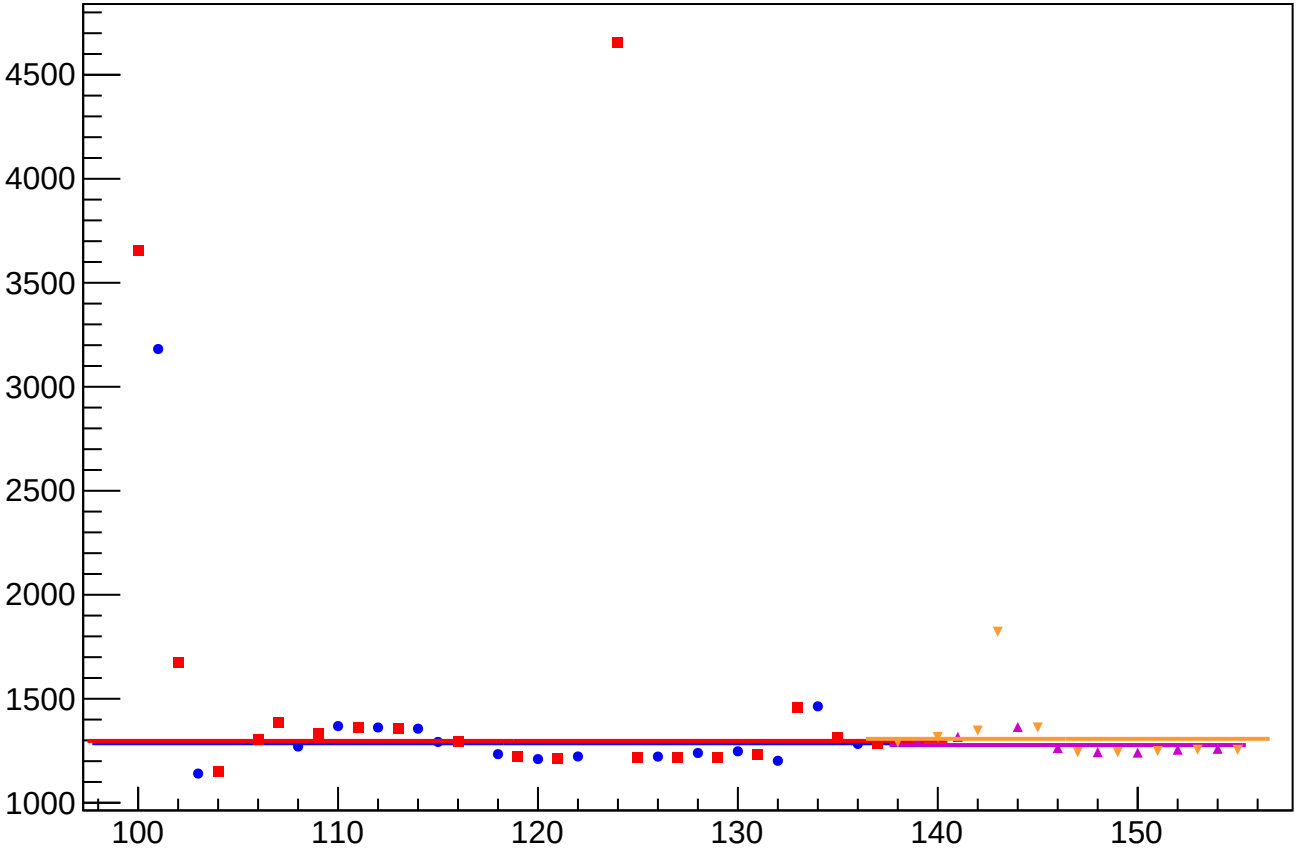
Left In: 638.878+/-482.336 χ^2/NDF:11.3/7

+ sign -369.464+/-337.872 χ^2/NDF: 23.5/25

All: 61.510+/-240.522 χ^2/NDF: 53.9/52

- sign 504.301+/-342.473 χ^2/NDF: 27.1/26

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: 1307.359+/-0.331 χ^2/NDF:152603.2/9

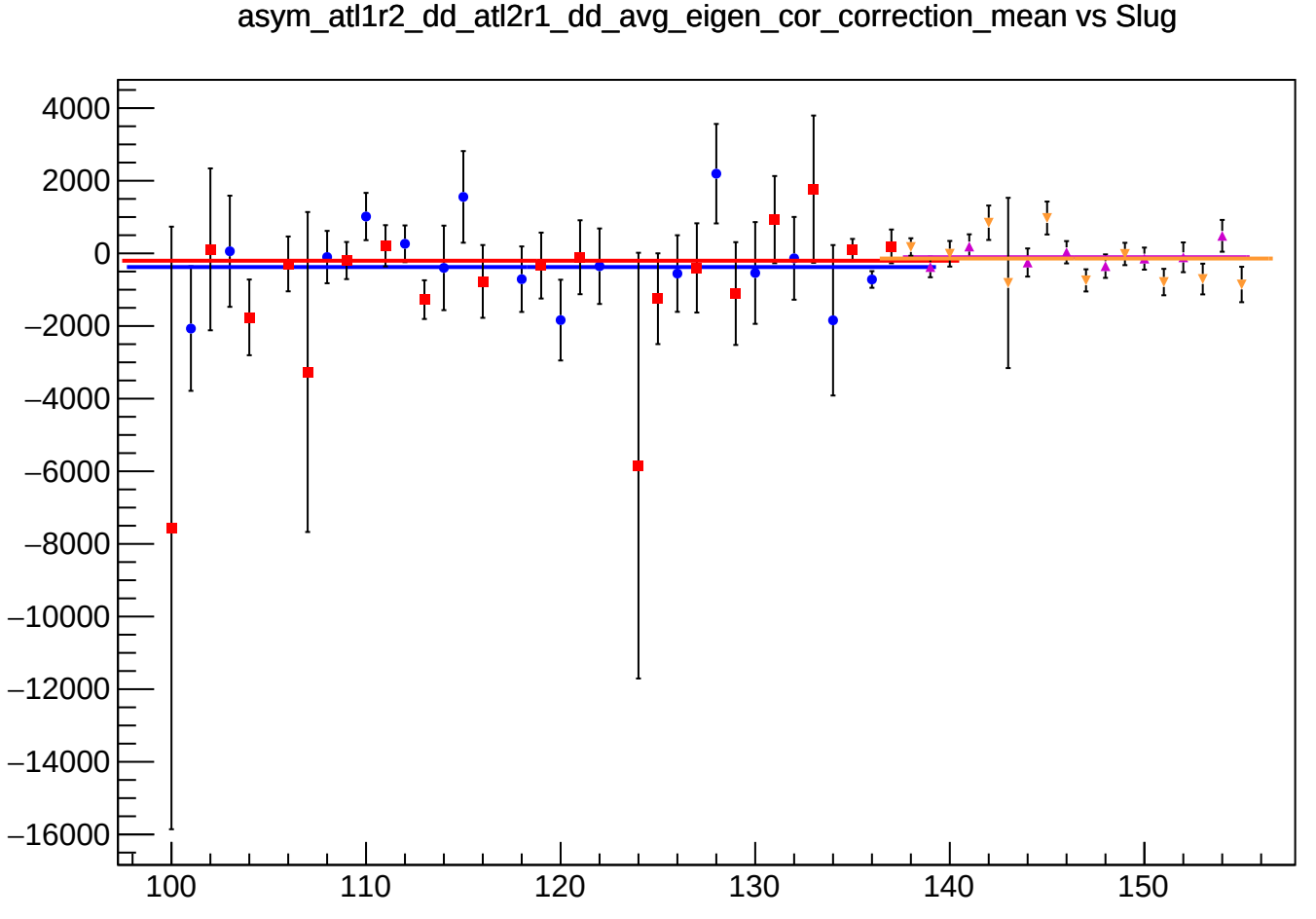
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

+ sign 1297.144+/-0.239 χ^2/NDF: 672708.5/25

All: 1292.306+/-0.170 χ^2/NDF: 1016019.9/52

- sign 1287.336+/-0.242 χ^2/NDF: 342480.2/26



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -142.182+/-116.785 χ^2/NDF:23.5/9

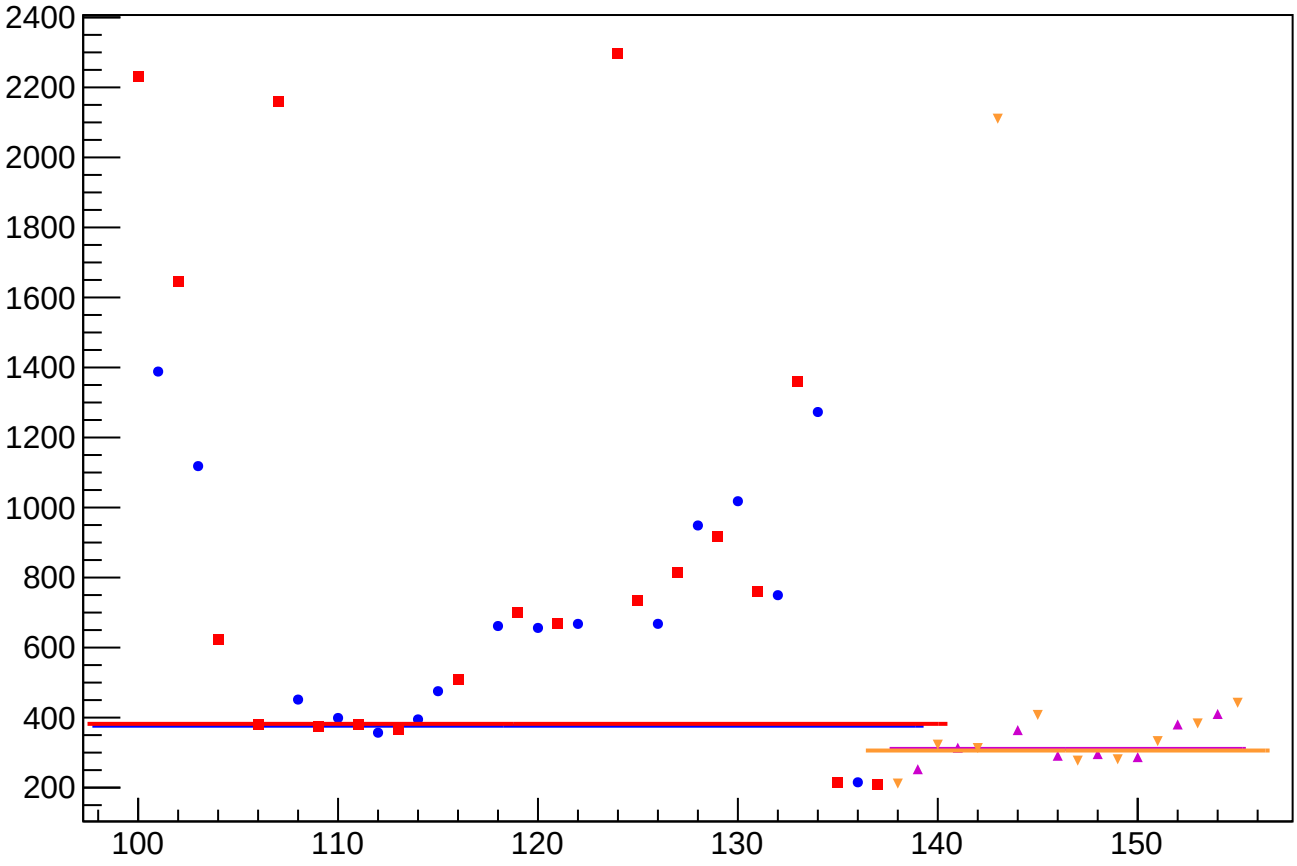
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -105.646+/-119.289 χ^2/NDF:4.4/7

+ sign -218.473+/-95.933 χ^2/NDF: 42.7/25

All: -178.723+/-68.392 χ^2/NDF: 61.8/52

- sign -137.640+/-97.529 χ^2/NDF: 18.7/26



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 305.964+/-0.083 χ^2/NDF:1861726.1/9

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

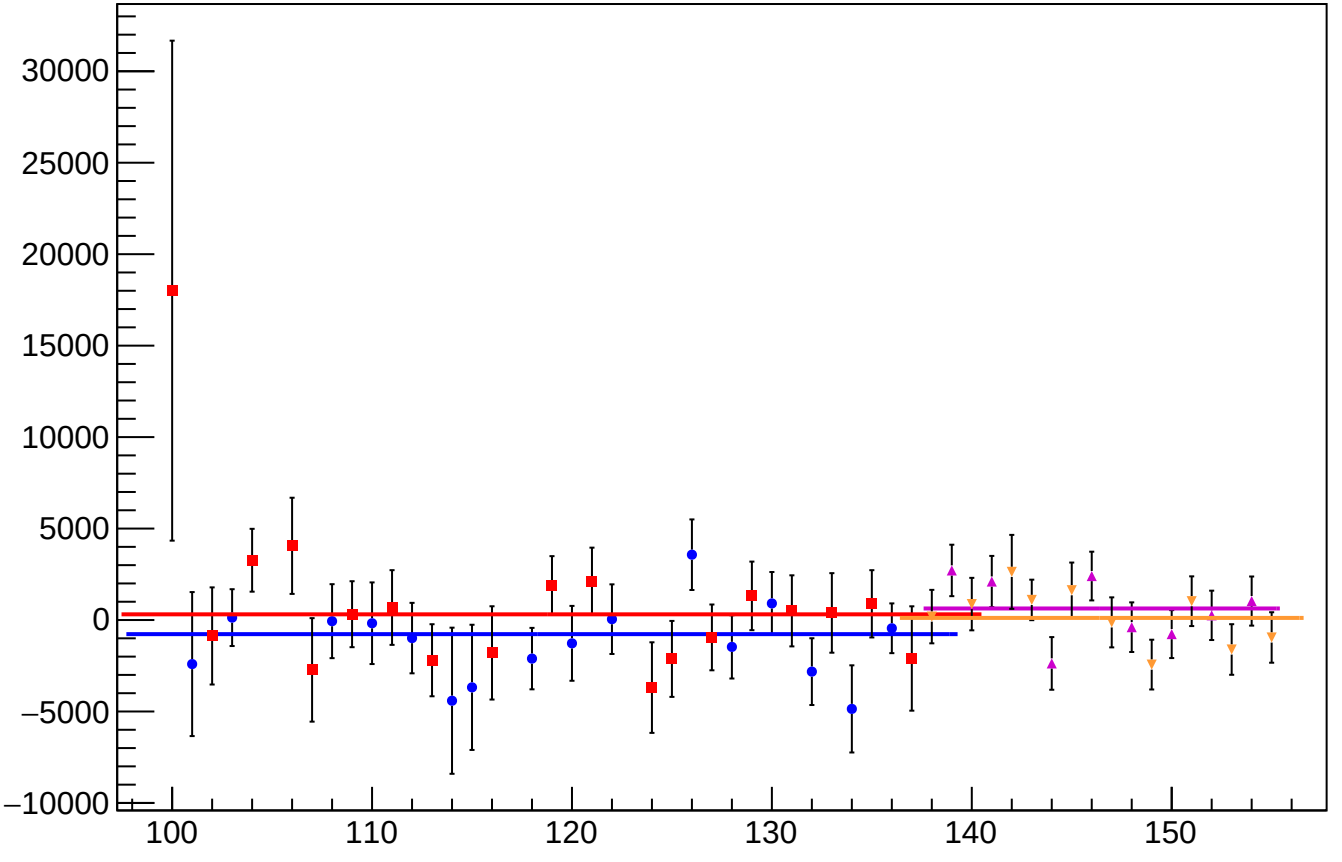
Left In: 310.563+/-0.084 χ^2/NDF:309059.4/7

+ sign 329.028+/-0.068 χ^2/NDF: 6294915.1/25

All: 331.617+/-0.048 χ^2/NDF: 10905256.1/52

- sign 334.293+/-0.069 χ^2/NDF: 4607378.6/26

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 115.556+/-442.076 χ^2/NDF:9.8/9

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

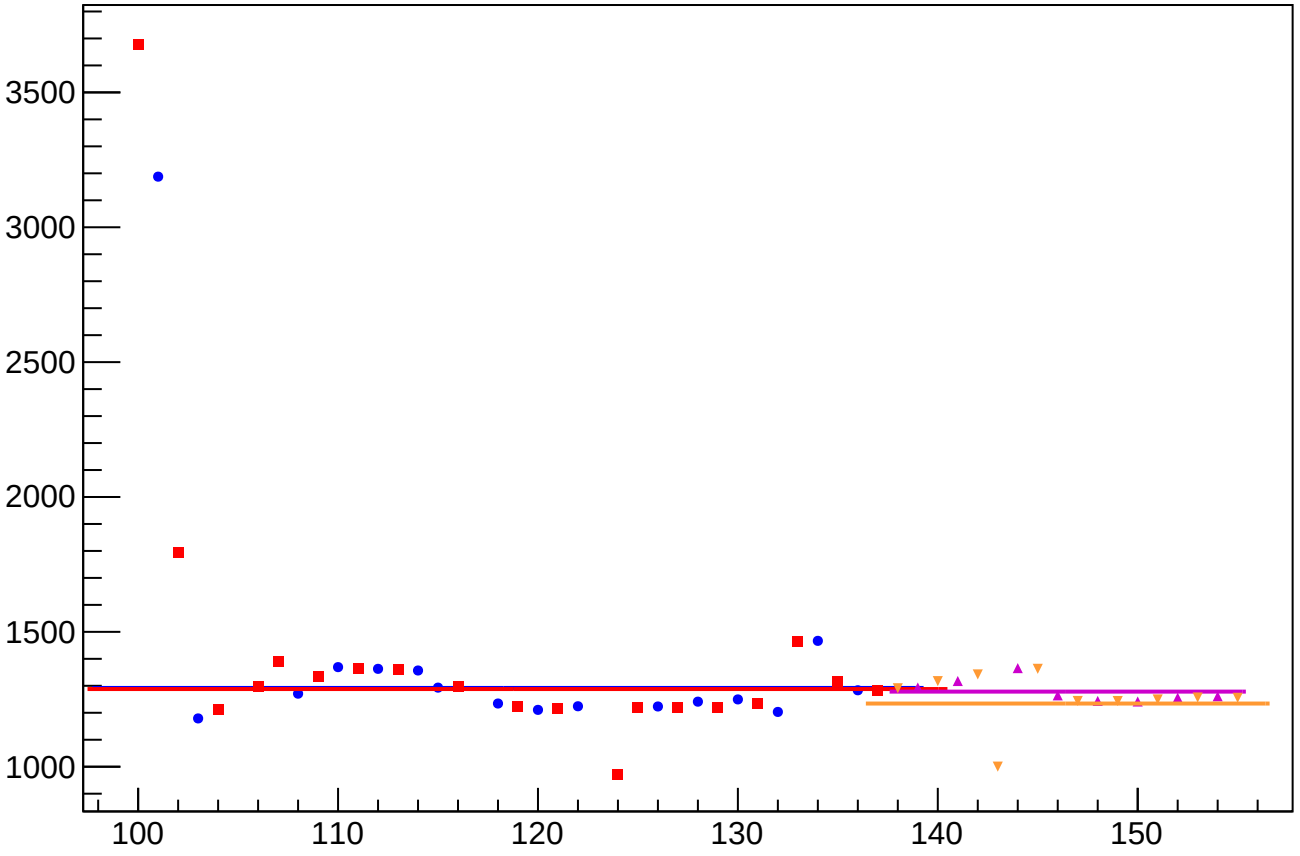
Left In: 631.320+/-482.717 χ^2/NDF:11.3/7

+ sign -282.839+/-328.114 χ^2/NDF: 25.2/25

All: 79.397+/-236.538 χ^2/NDF: 57.2/52

- sign 471.344+/-341.306 χ^2/NDF: 29.5/26

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1234.214+/-0.313 χ^2/NDF:120601.0/9

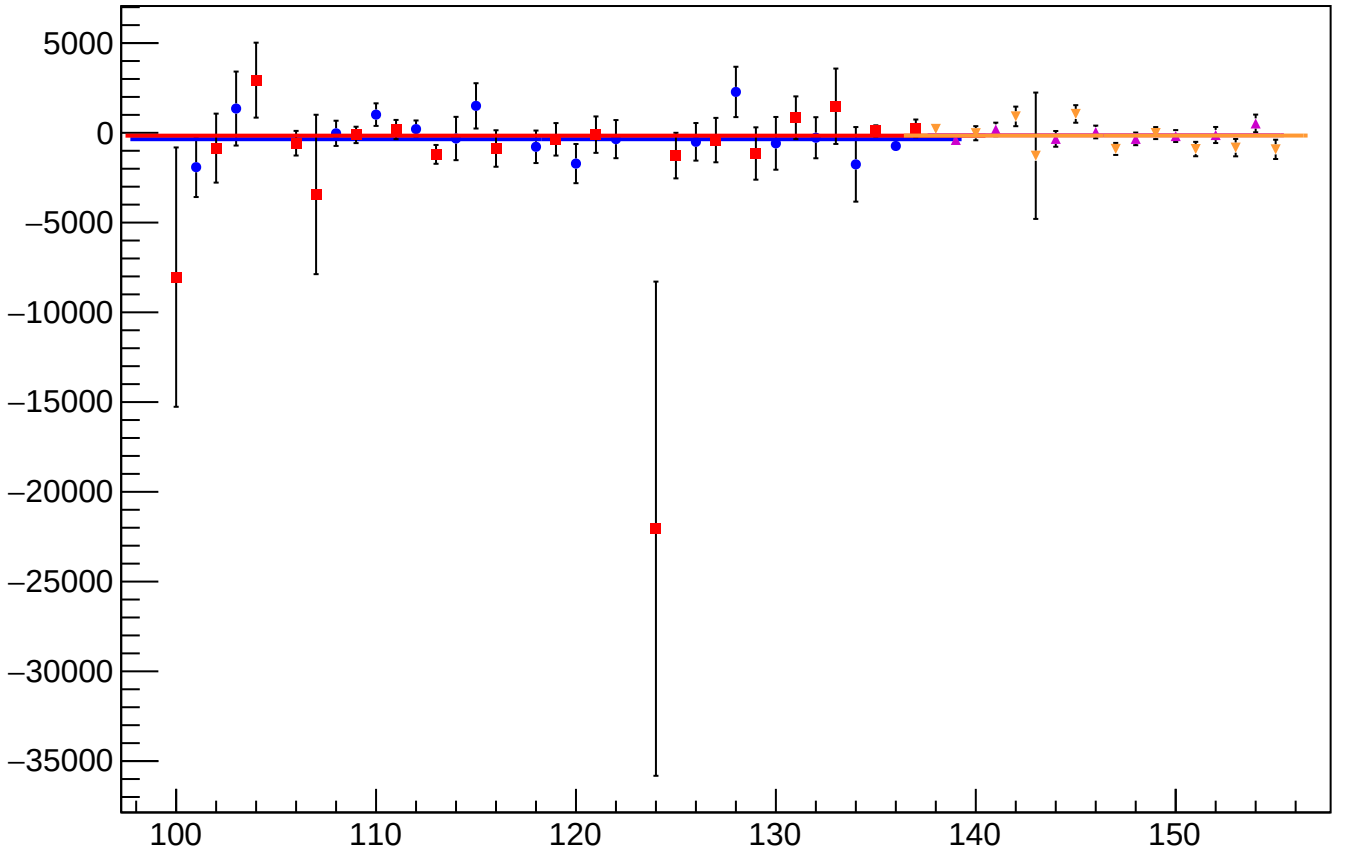
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1278.445+/-0.341 χ^2/NDF:13106.8/7

+ sign 1260.184+/-0.232 χ^2/NDF: 645375.4/25

All: 1271.247+/-0.167 χ^2/NDF: 872815.8/52

- sign 1283.217+/-0.241 χ^2/NDF: 222706.5/26



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -152.579+/-126.272 χ^2/NDF:25.0/9

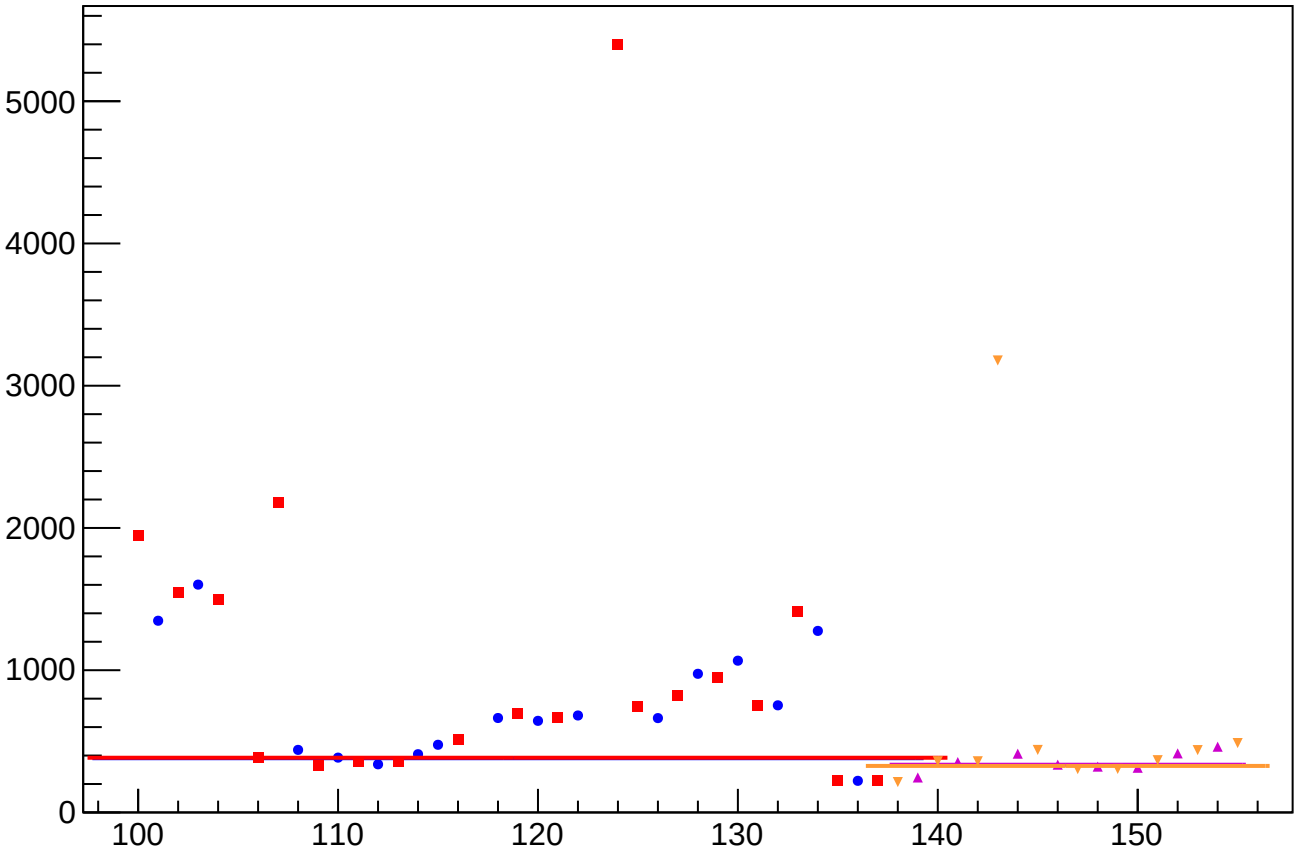
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -134.735+/-129.692 χ^2/NDF:4.2/7

+ sign -224.647+/-101.362 χ^2/NDF: 44.4/25

All: -184.634+/-72.259 χ^2/NDF: 64.8/52

- sign -143.287+/-103.037 χ^2/NDF: 20.1/26



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 327.132+/-0.089 χ^2/NDF:2194151.6/9

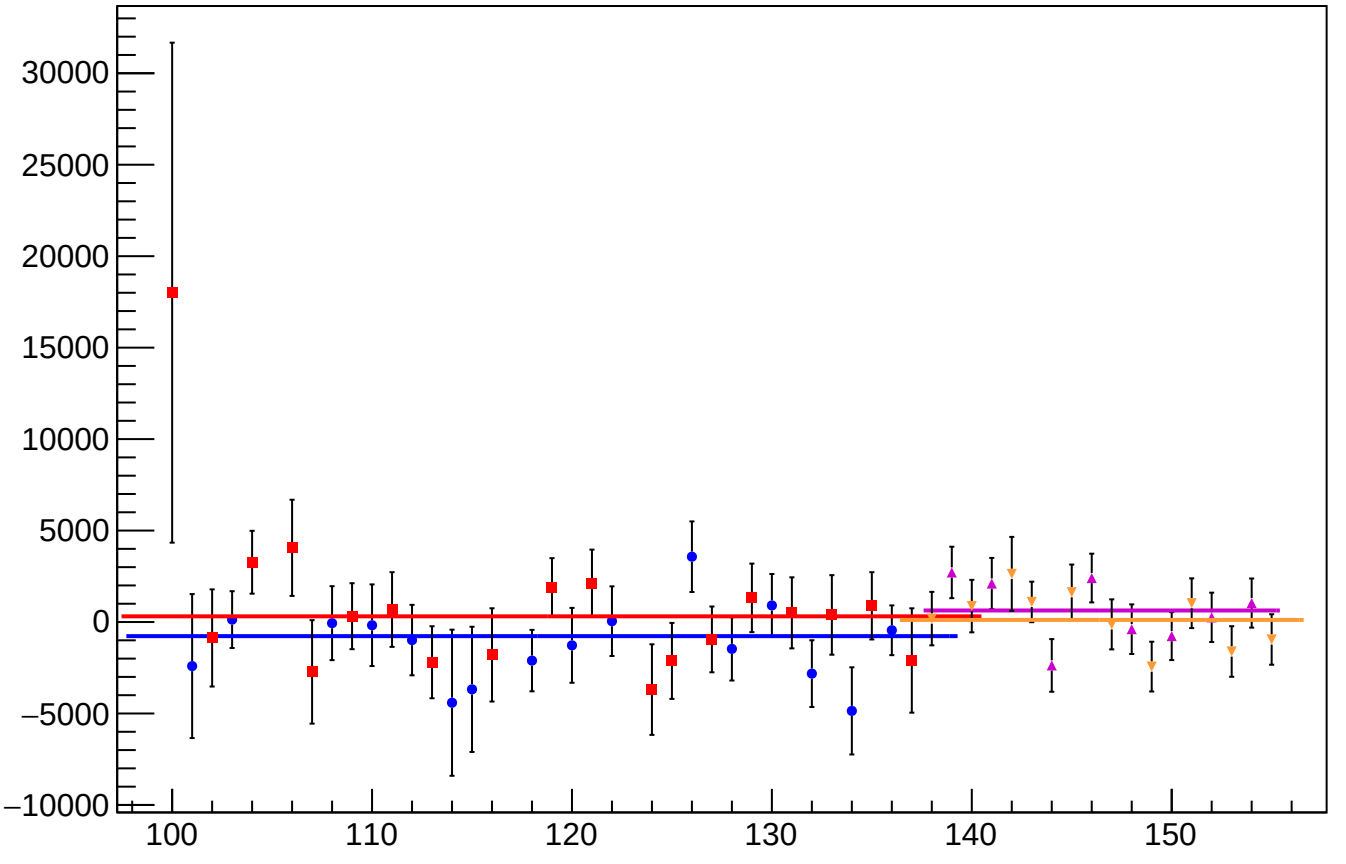
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 335.410+/-0.092 χ^2/NDF:484388.5/7

+ sign 346.413+/-0.072 χ^2/NDF: 6643200.6/25

All: 349.933+/-0.051 χ^2/NDF: 11799029.8/52

- sign 353.571+/-0.073 χ^2/NDF: 5150924.6/26



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 115.558+/-442.076 χ^2/NDF:9.8/9

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

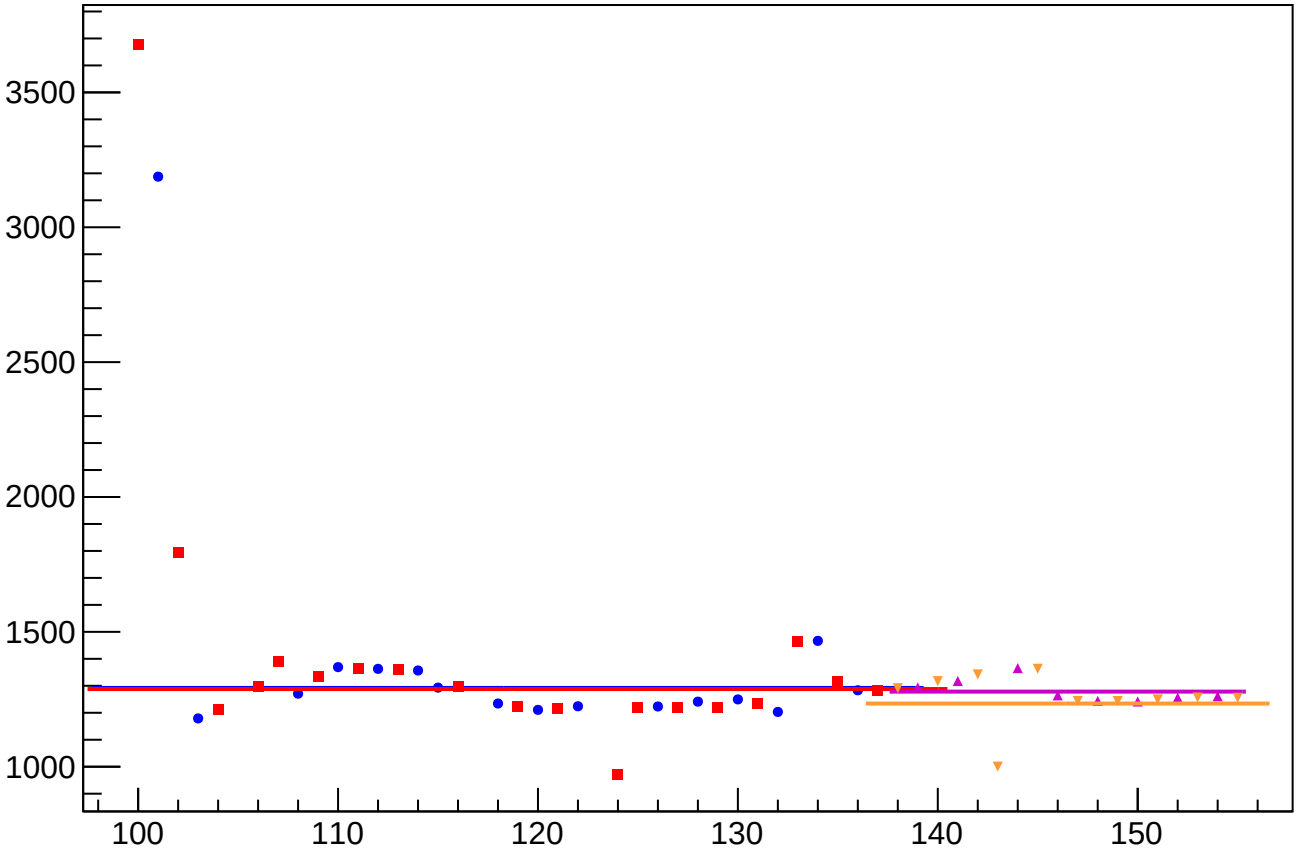
Left In: 631.318+/-482.717 χ^2/NDF:11.3/7

+ sign -282.839+/-328.114 χ^2/NDF: 25.2/25

All: 79.396+/-236.538 χ^2/NDF: 57.2/52

- sign 471.344+/-341.306 χ^2/NDF: 29.5/26

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: 1234.214+/-0.313 χ^2/NDF:120600.2/9

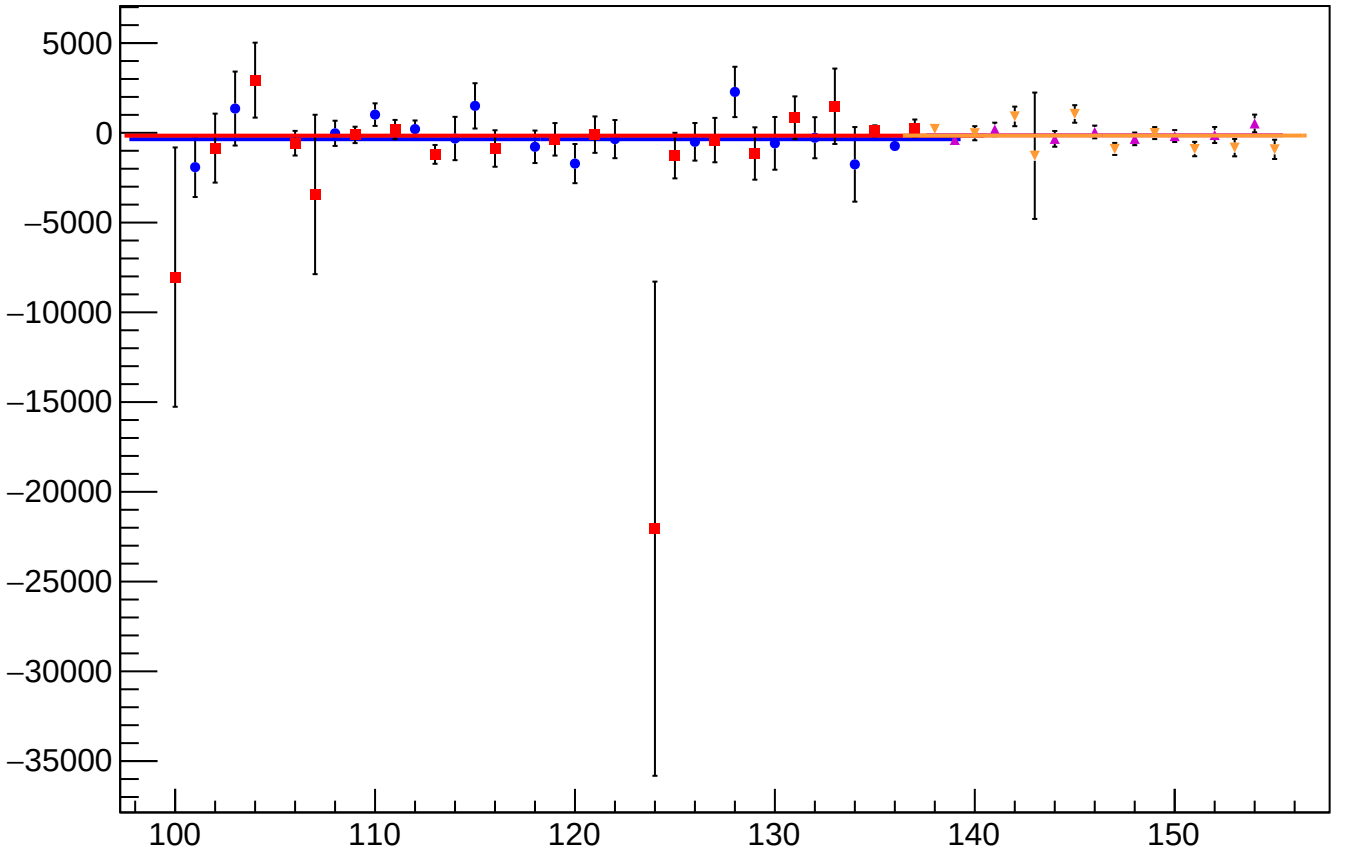
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1278.445+/-0.341 χ^2/NDF:13106.8/7

+ sign 1260.184+/-0.232 χ^2/NDF: 645374.4/25

All: 1271.247+/-0.167 χ^2/NDF: 872815.1/52

- sign 1283.217+/-0.241 χ^2/NDF: 222706.9/26



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -152.589+/-126.274 χ^2/NDF:25.0/9

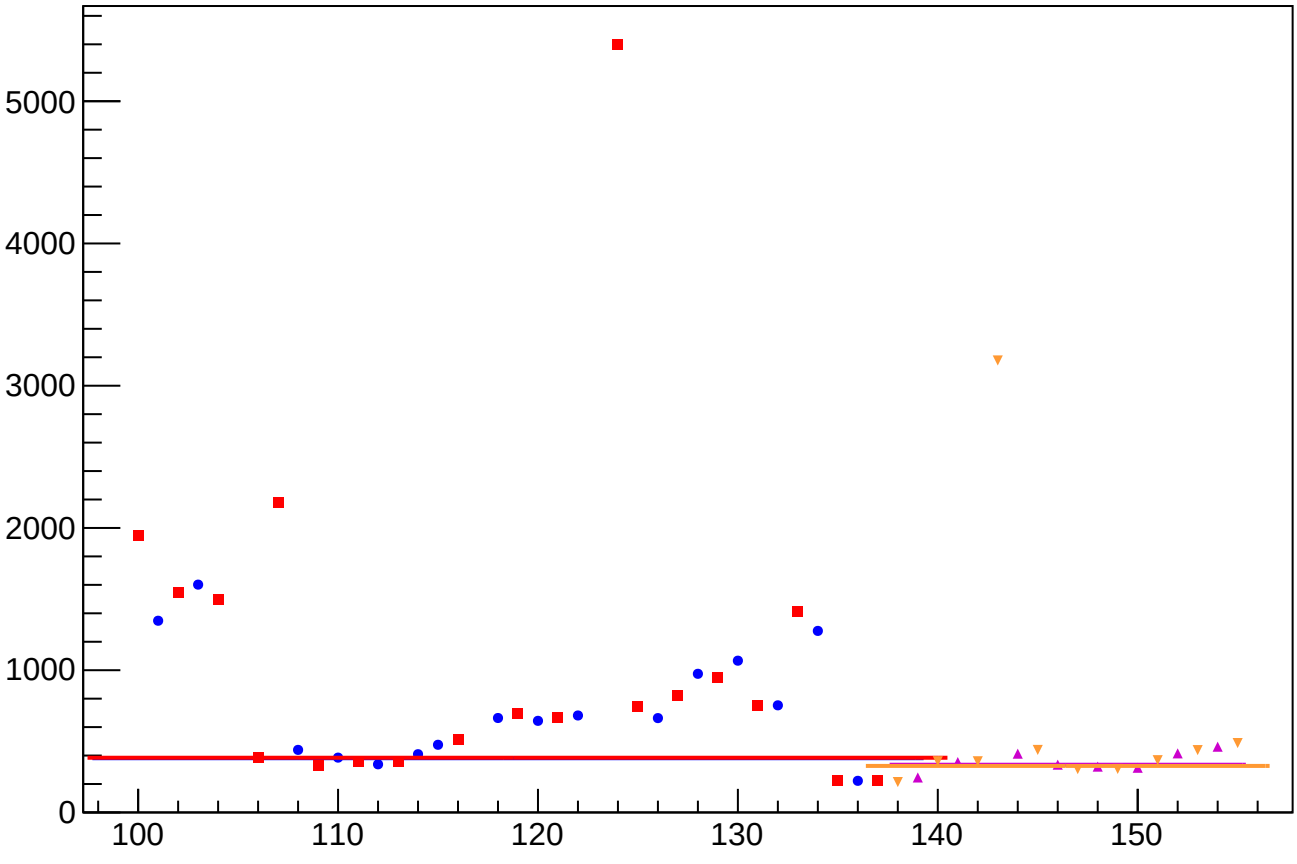
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -134.735+/-129.694 χ^2/NDF:4.2/7

+ sign -224.653+/-101.364 χ^2/NDF: 44.4/25

All: -184.638+/-72.260 χ^2/NDF: 64.8/52

- sign -143.289+/-103.038 χ^2/NDF: 20.1/26



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 327.139+/-0.089 χ^2/NDF:2194008.2/9

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

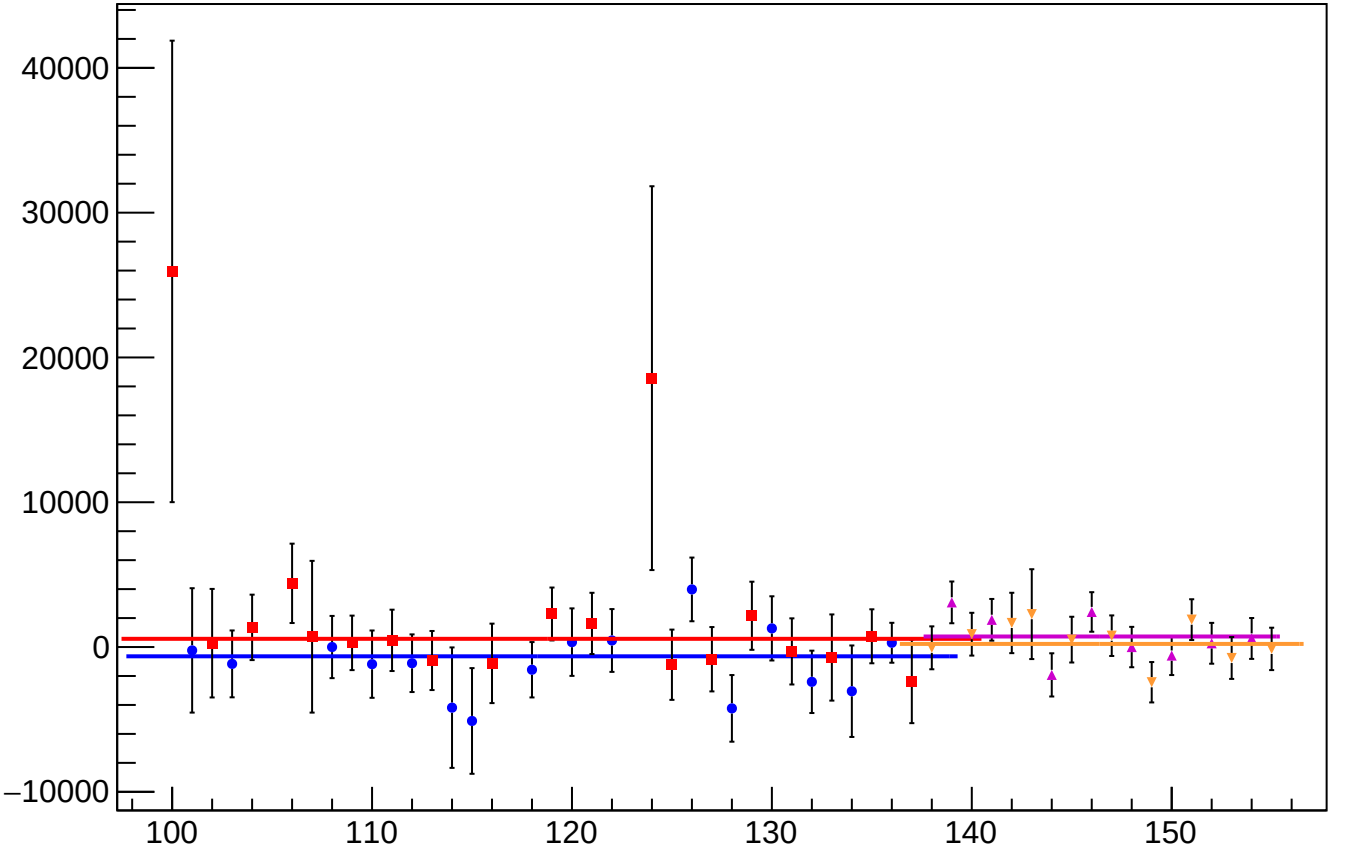
Left In: 335.415+/-0.092 χ^2/NDF:484305.4/7

+ sign 346.421+/-0.072 χ^2/NDF: 6642881.9/25

All: 349.940+/-0.051 χ^2/NDF: 11798494.1/52

- sign 353.577+/-0.073 χ^2/NDF: 5150710.7/26

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 214.900+/-492.580 χ^2/NDF:6.9/9

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

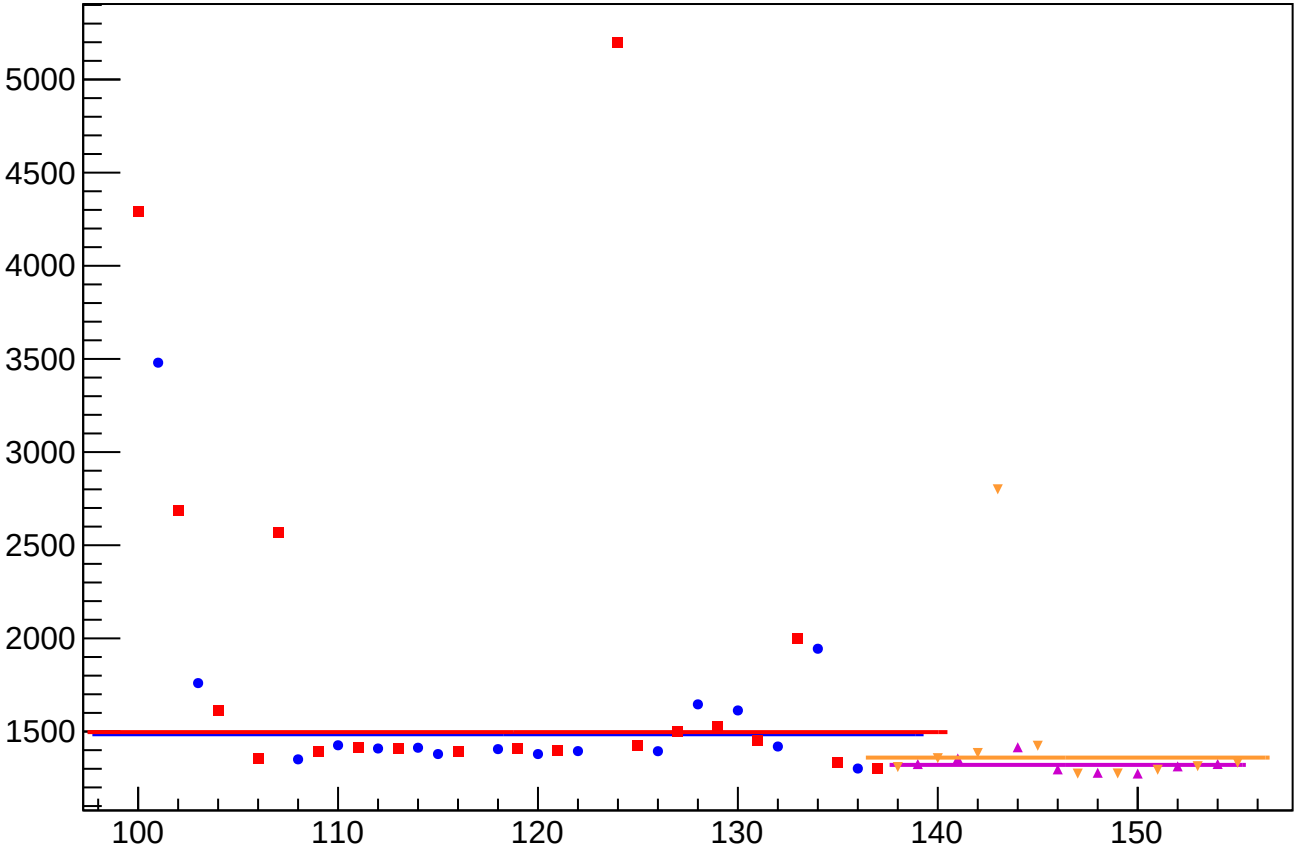
Left In: 728.016+/-498.792 χ^2/NDF:9.4/7

+ sign -155.110+/-371.108 χ^2/NDF: 20.7/25

All: 247.737+/-263.583 χ^2/NDF: 43.8/52

- sign 657.850+/-374.440 χ^2/NDF: 20.7/26

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1360.086+/-0.348 χ^2/NDF:458665.9/9

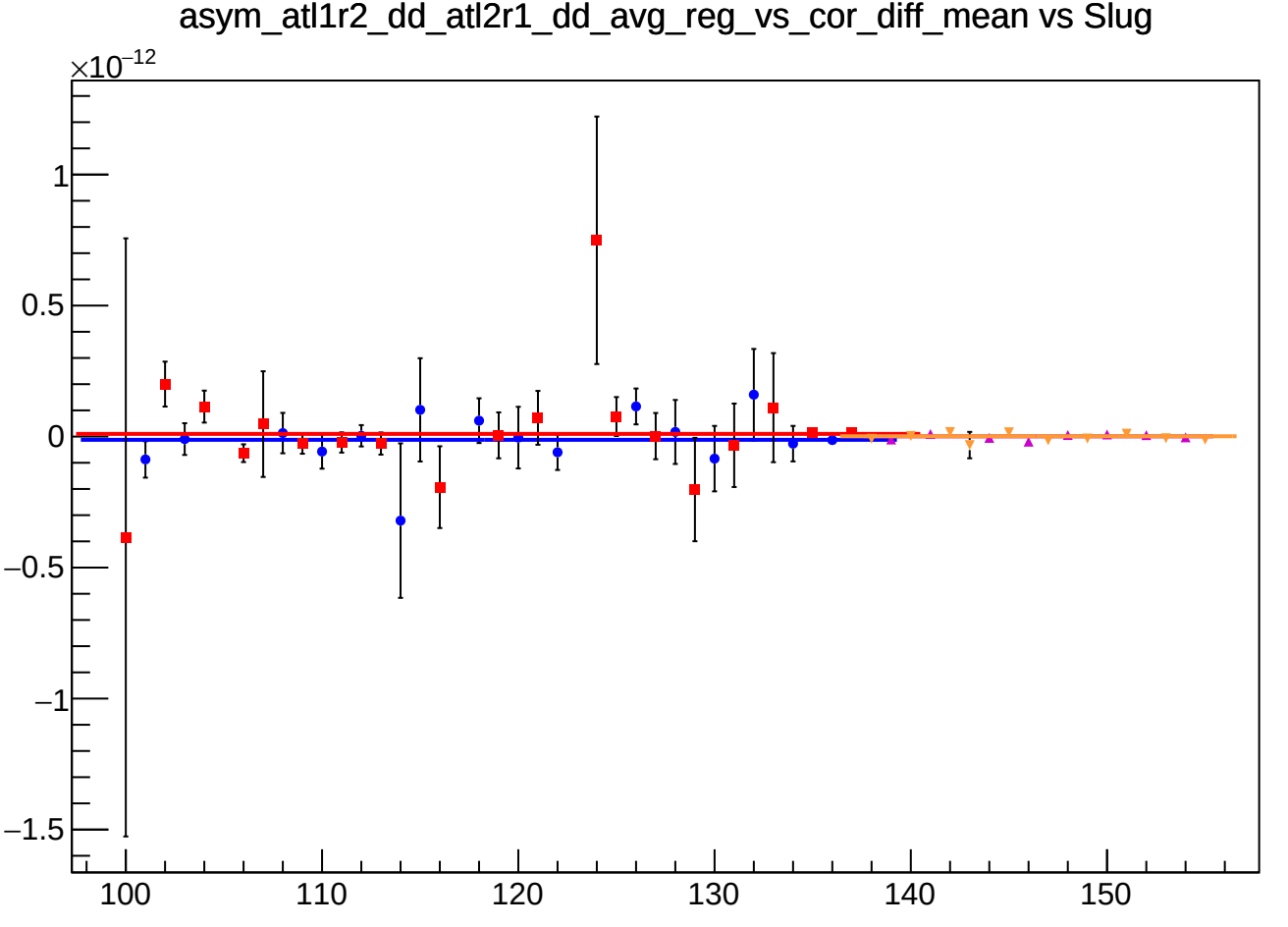
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.924+/-0.353 χ^2/NDF:14124.2/7

+ sign 1414.258+/-0.262 χ^2/NDF: 1099079.1/25

All: 1406.061+/-0.186 χ^2/NDF: 1847075.6/52

- sign 1397.716+/-0.265 χ^2/NDF: 746027.3/26



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/9

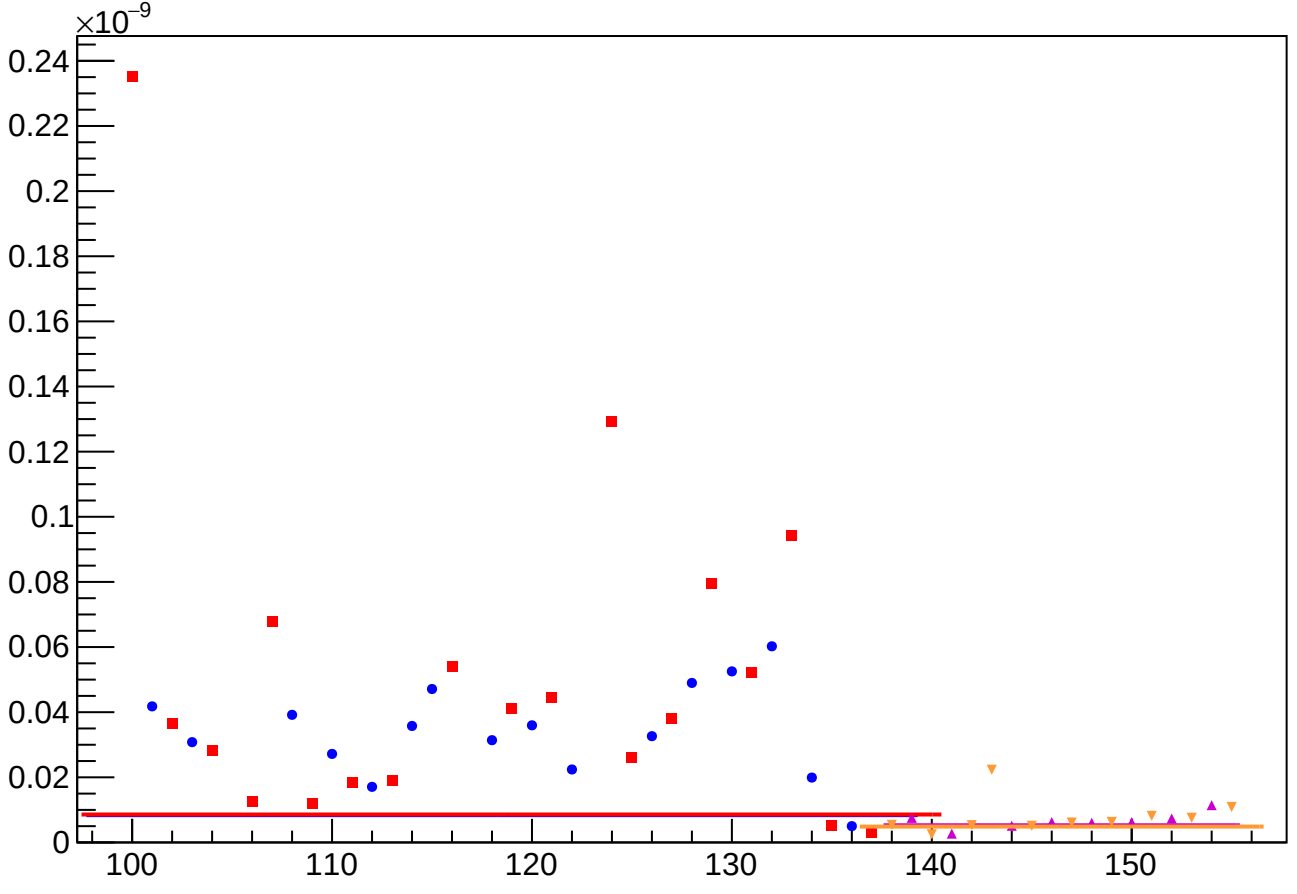
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/25

All: 0.000+/-0.000 χ^2/NDF: 56.0/52

- sign 0.000+/-0.000 χ^2/NDF: 32.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1252627.8/9

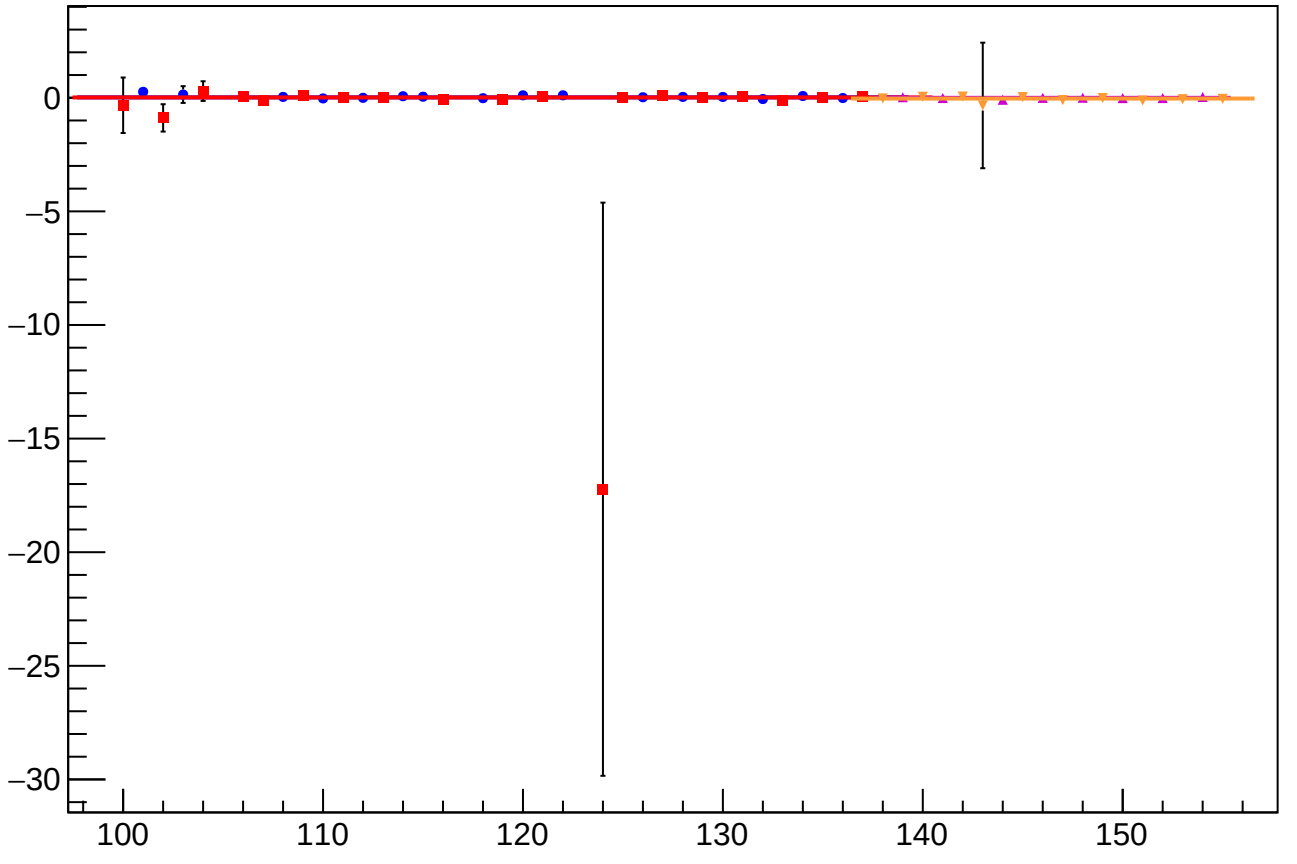
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:810675.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 4694060.8/25

All: 0.000+/-0.000 χ^2/NDF: 9159904.8/52

- sign 0.000+/-0.000 χ^2/NDF: 4448701.5/26



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.035+/-0.014 χ^2/NDF:15.3/9

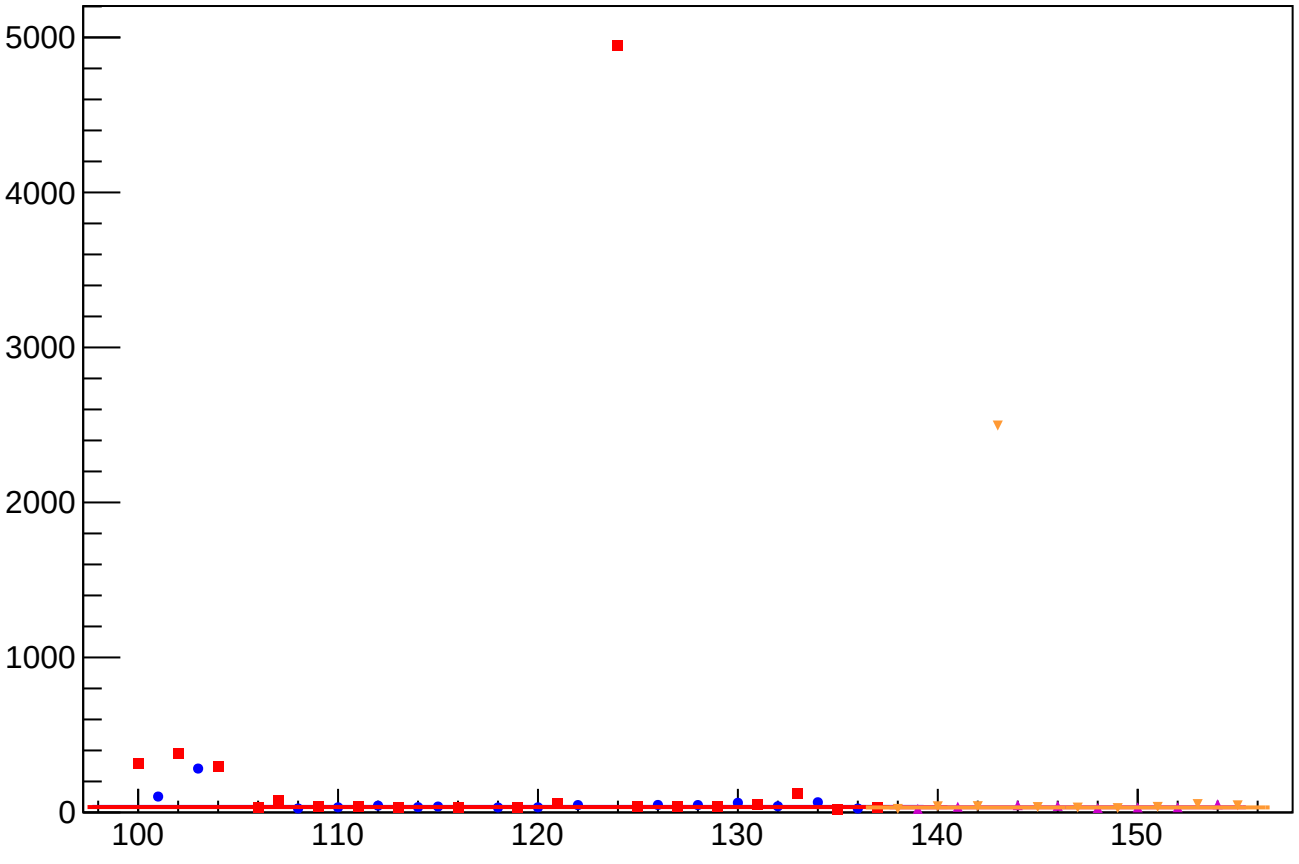
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.014 χ^2/NDF:4.0/7

+ sign -0.012+/-0.010 χ^2/NDF: 33.1/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/52

- sign 0.004+/-0.010 χ^2/NDF: 20.8/26



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.503+/-0.010 χ^2/NDF:2349928.5/9

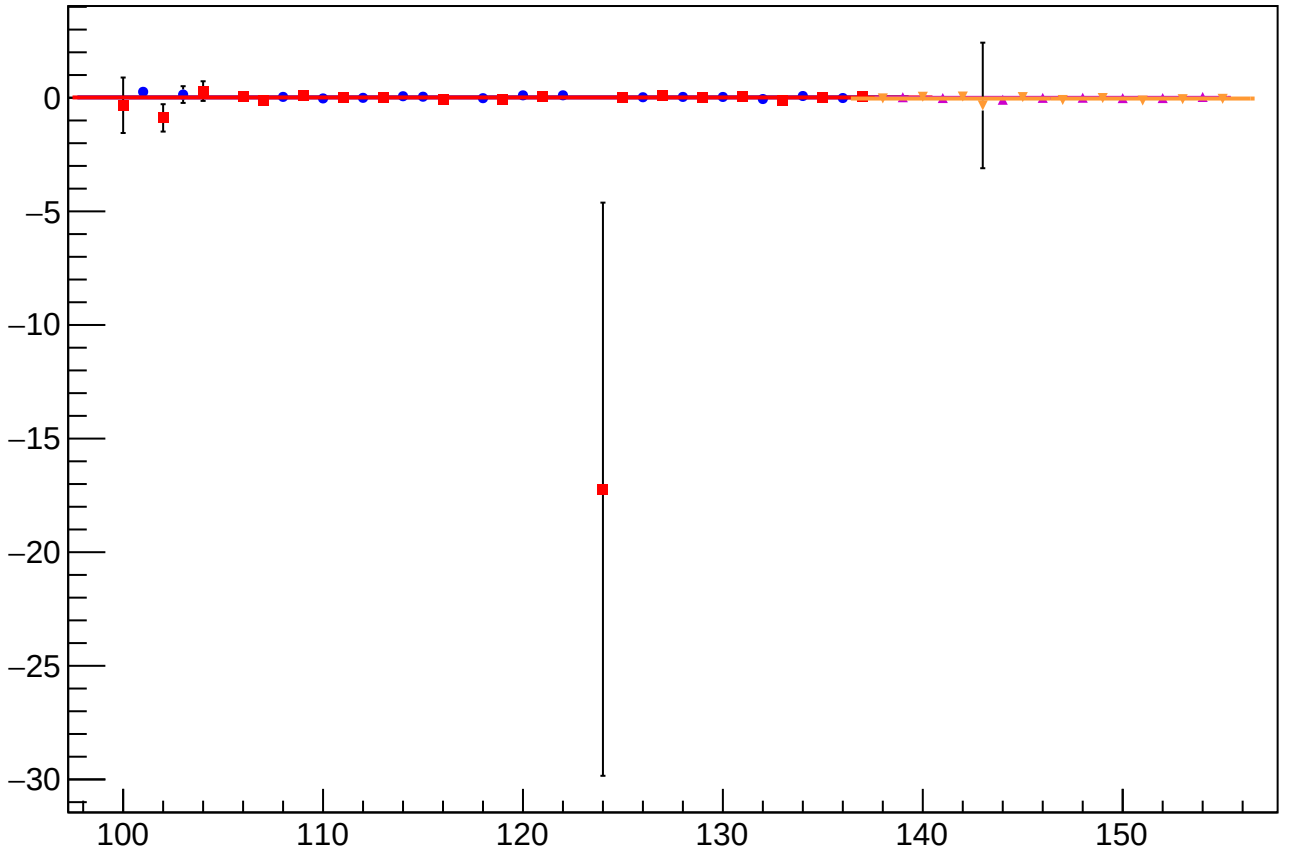
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.711+/-0.010 χ^2/NDF:717419.2/7

\+ sign 33.906+/-0.007 χ^2/NDF: 4664564.5/25

All: 34.048+/-0.005 χ^2/NDF: 8302246.5/52

\- sign 34.199+/-0.007 χ^2/NDF: 3636877.1/26



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.035+/-0.014 χ^2/NDF:15.3/9

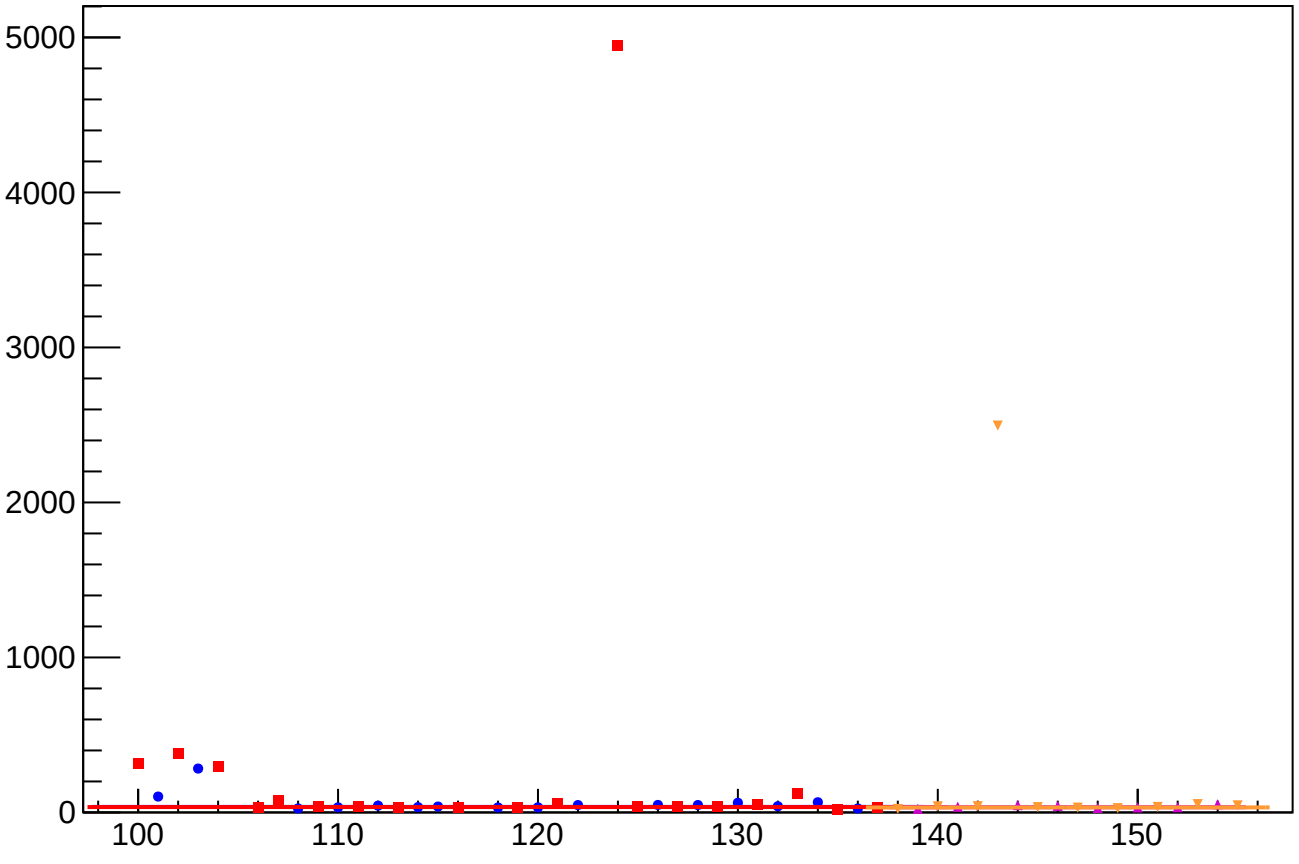
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.014 χ^2/NDF:4.0/7

+ sign -0.012+/-0.010 χ^2/NDF: 33.1/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/52

- sign 0.004+/-0.010 χ^2/NDF: 20.8/26



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.503+/-0.010 χ^2/NDF:2349928.5/9

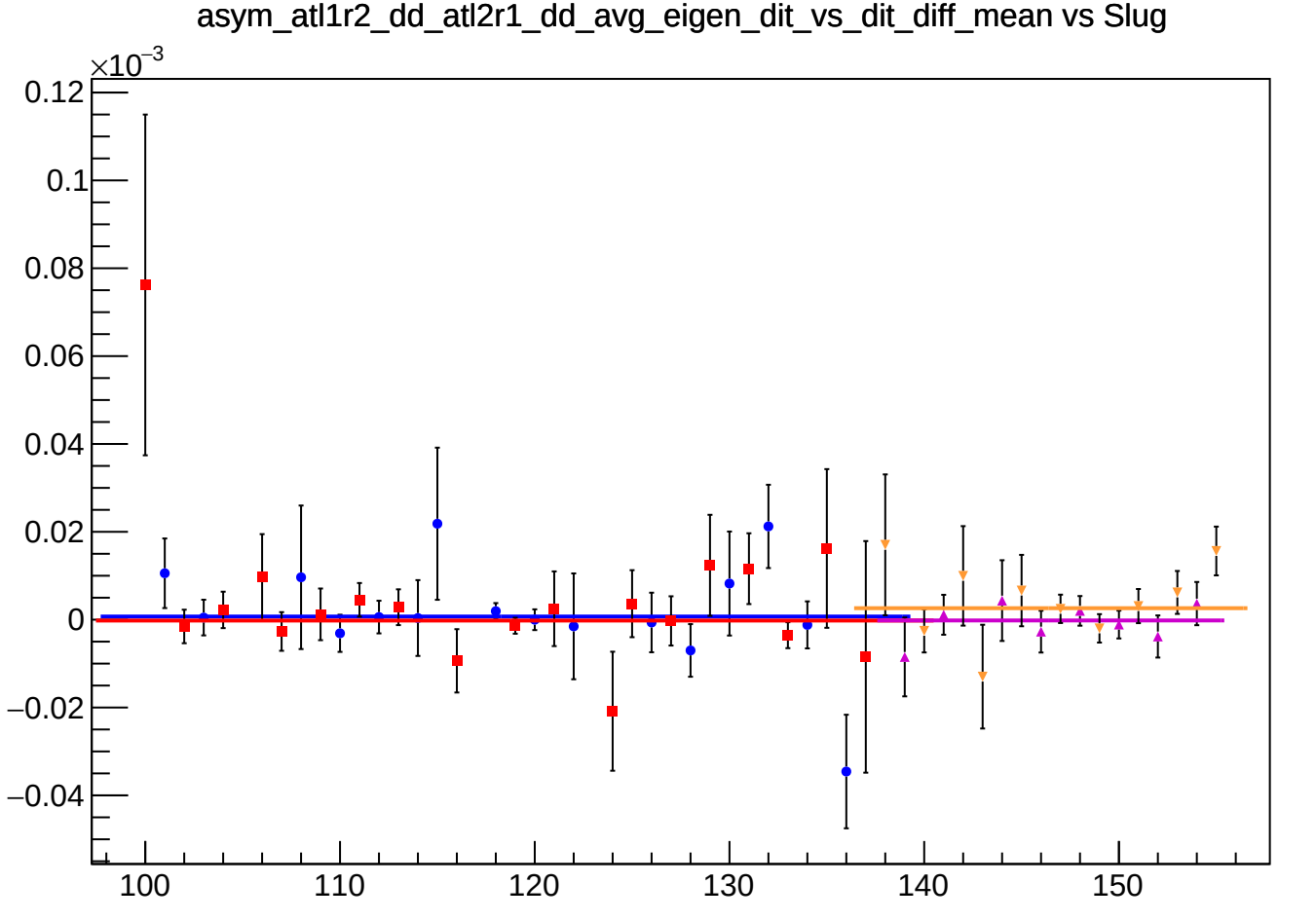
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

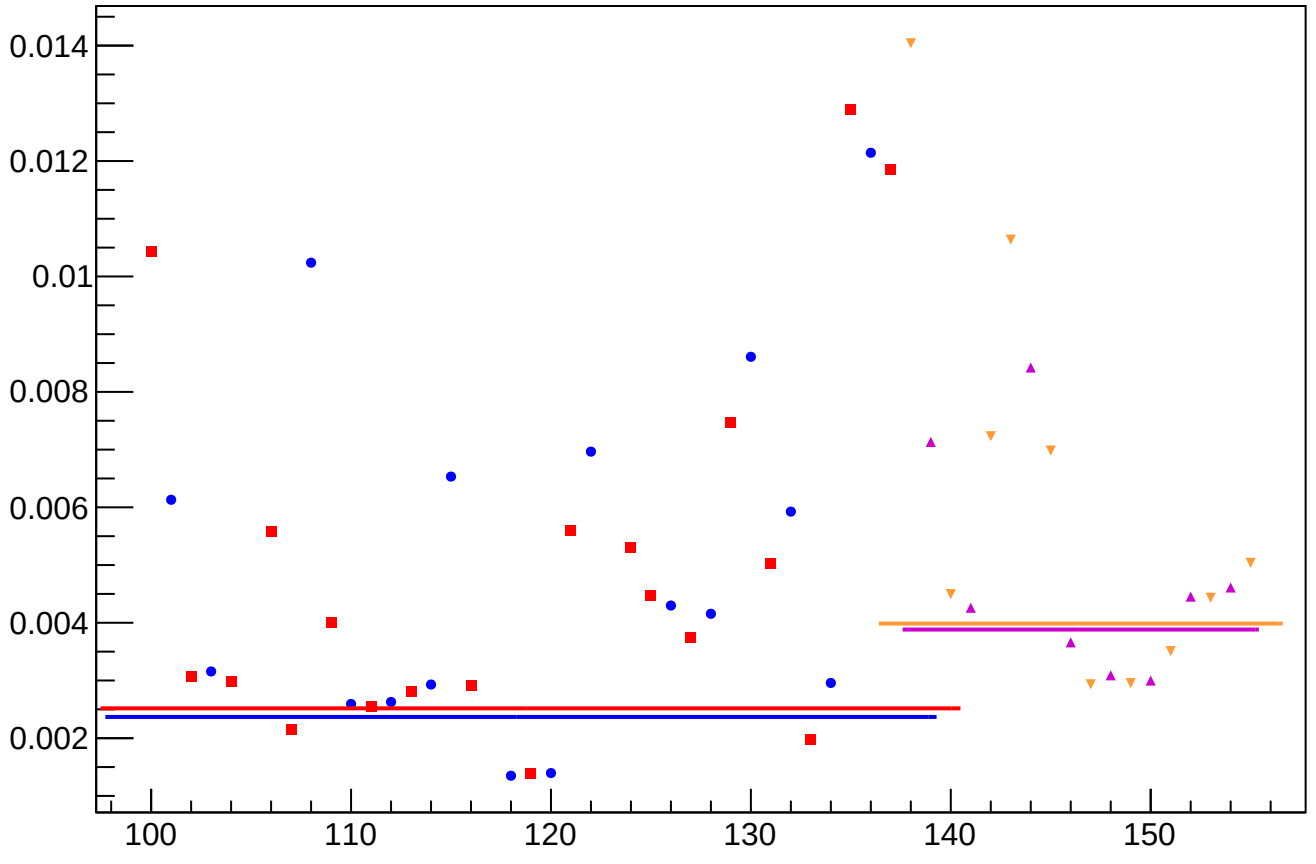
Left In: 33.711+/-0.010 χ^2/NDF:717419.2/7

\+ sign 33.906+/-0.007 χ^2/NDF: 4664564.5/25

All: 34.048+/-0.005 χ^2/NDF: 8302246.5/52

\- sign 34.199+/-0.007 χ^2/NDF: 3636877.1/26


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
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:12.4/9
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: -0.000+/-0.000 χ²/NDF:3.2/7
+ sign 0.000+/-0.000 χ²/NDF: 32.5/25
All: 0.000+/-0.000 χ²/NDF: 55.2/52
- sign -0.000+/-0.000 χ²/NDF: 21.2/26



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2413689.4/9

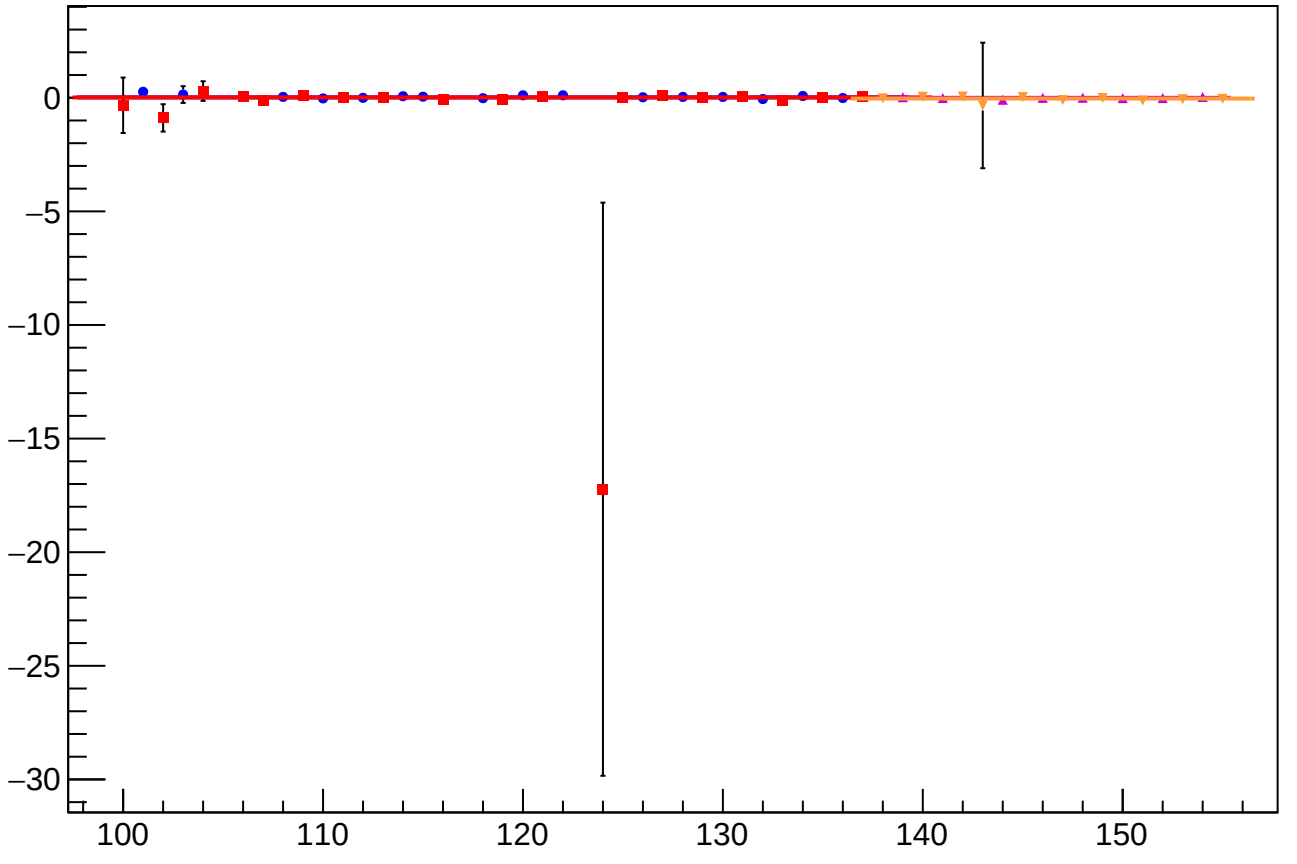
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1107084.4/7

+ sign 0.003+/-0.000 χ^2/NDF: 8559603.8/25

All: 0.003+/-0.000 χ^2/NDF: 14071886.1/52

- sign 0.003+/-0.000 χ^2/NDF: 5511292.6/26



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.035+/-0.014 χ^2/NDF:15.3/9

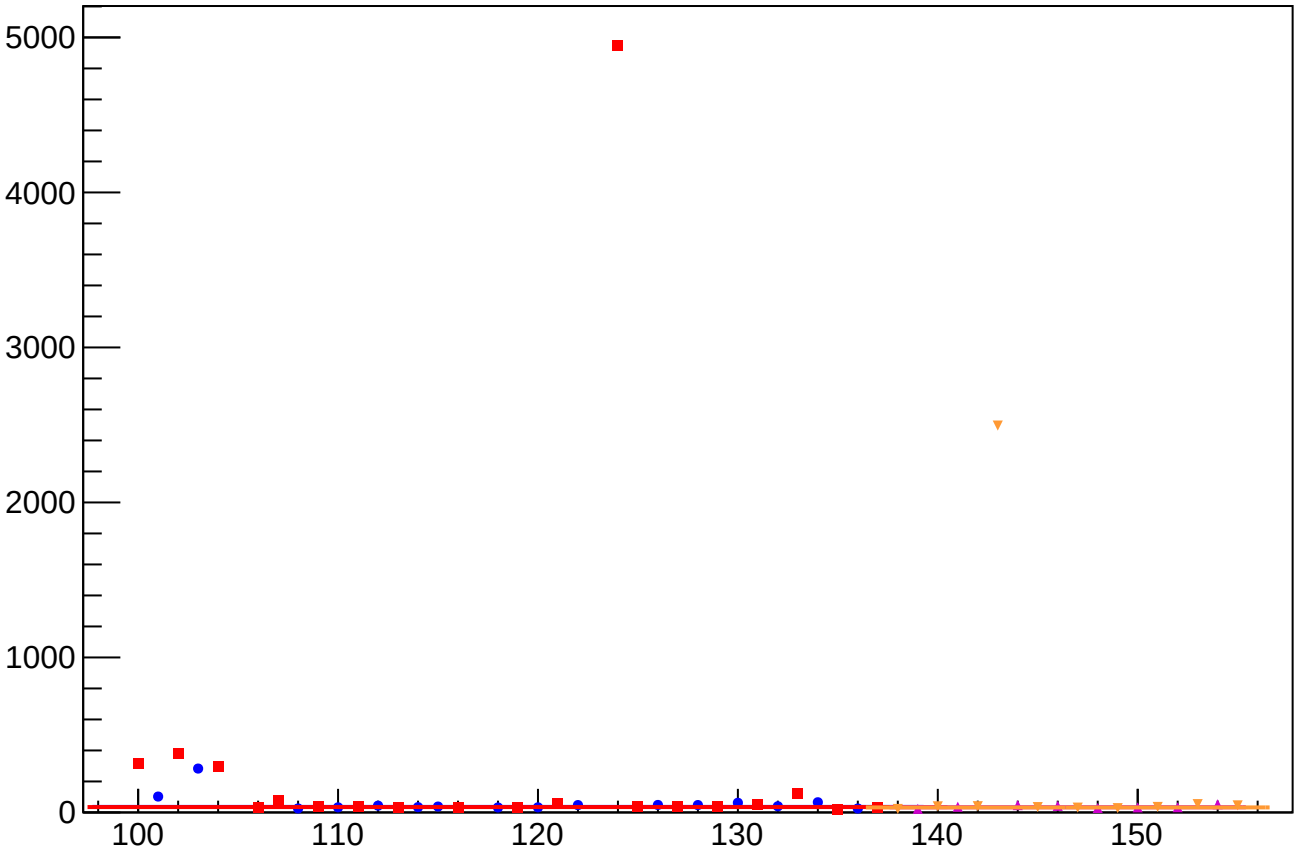
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.014 χ^2/NDF:4.0/7

+ sign -0.012+/-0.010 χ^2/NDF: 33.0/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/52

- sign 0.004+/-0.010 χ^2/NDF: 20.8/26



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 32.503+/-0.010 χ^2/NDF:2350188.4/9

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

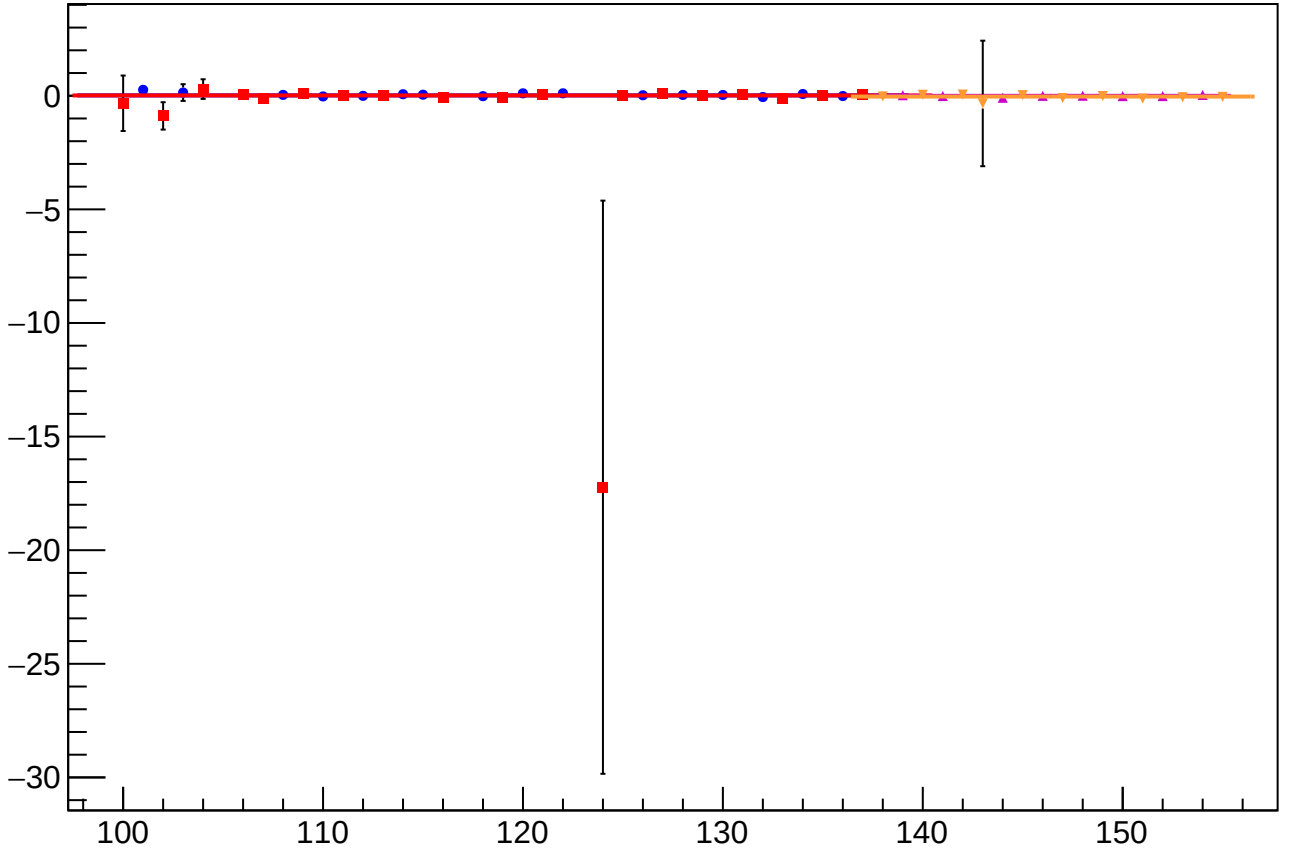
Left In: 33.709+/-0.010 χ^2/NDF:717819.4/7

\+ sign 33.906+/-0.007 χ^2/NDF: 4664597.5/25

All: 34.048+/-0.005 χ^2/NDF: 8302527.6/52

\- sign 34.198+/-0.007 χ^2/NDF: 3637132.4/26

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

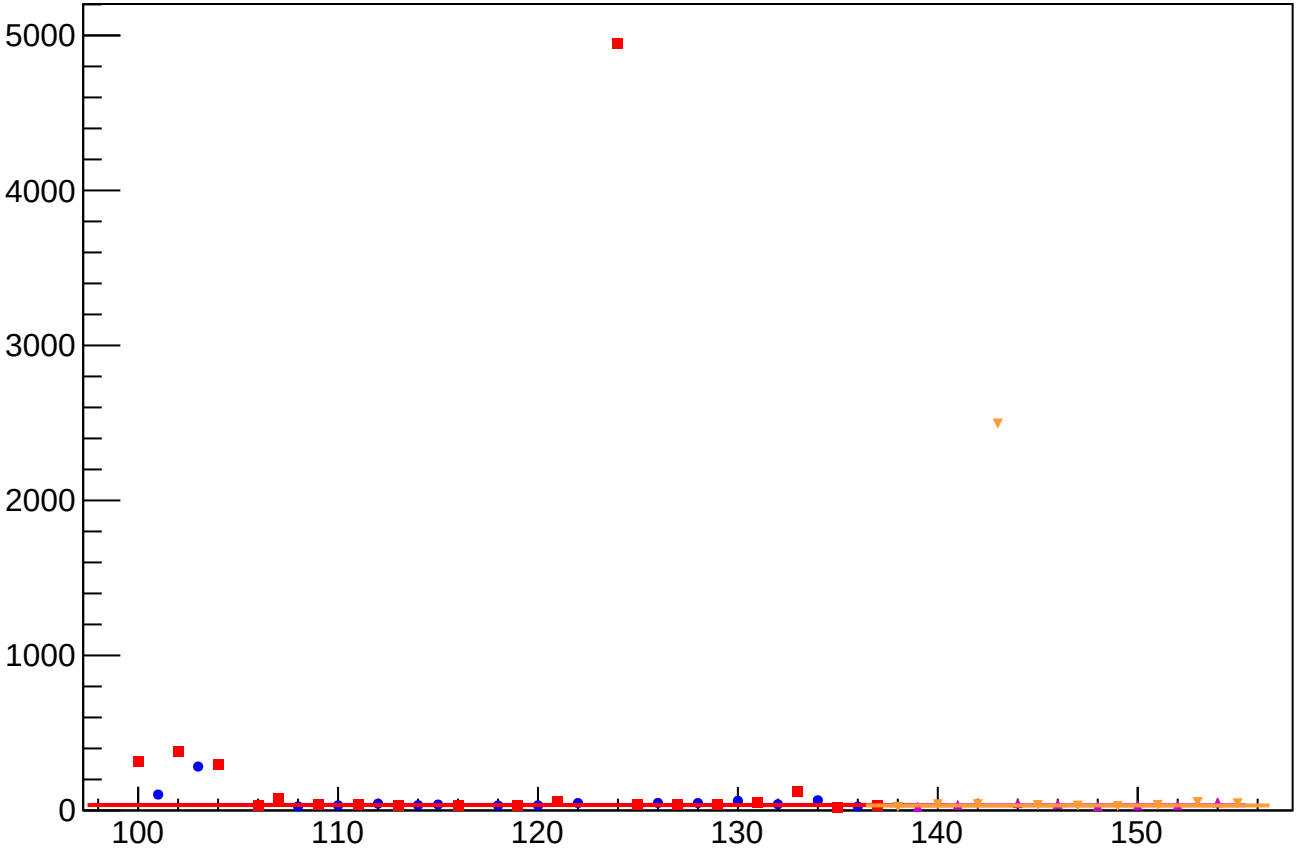
Left In: -0.004+/-0.014 χ^2/NDF:4.0/7

+ sign -0.012+/-0.010 χ^2/NDF: 33.0/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/52

- sign 0.004+/-0.010 χ^2/NDF: 20.8/26

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: 32.503+/-0.010 χ^2/NDF:2350188.4/9

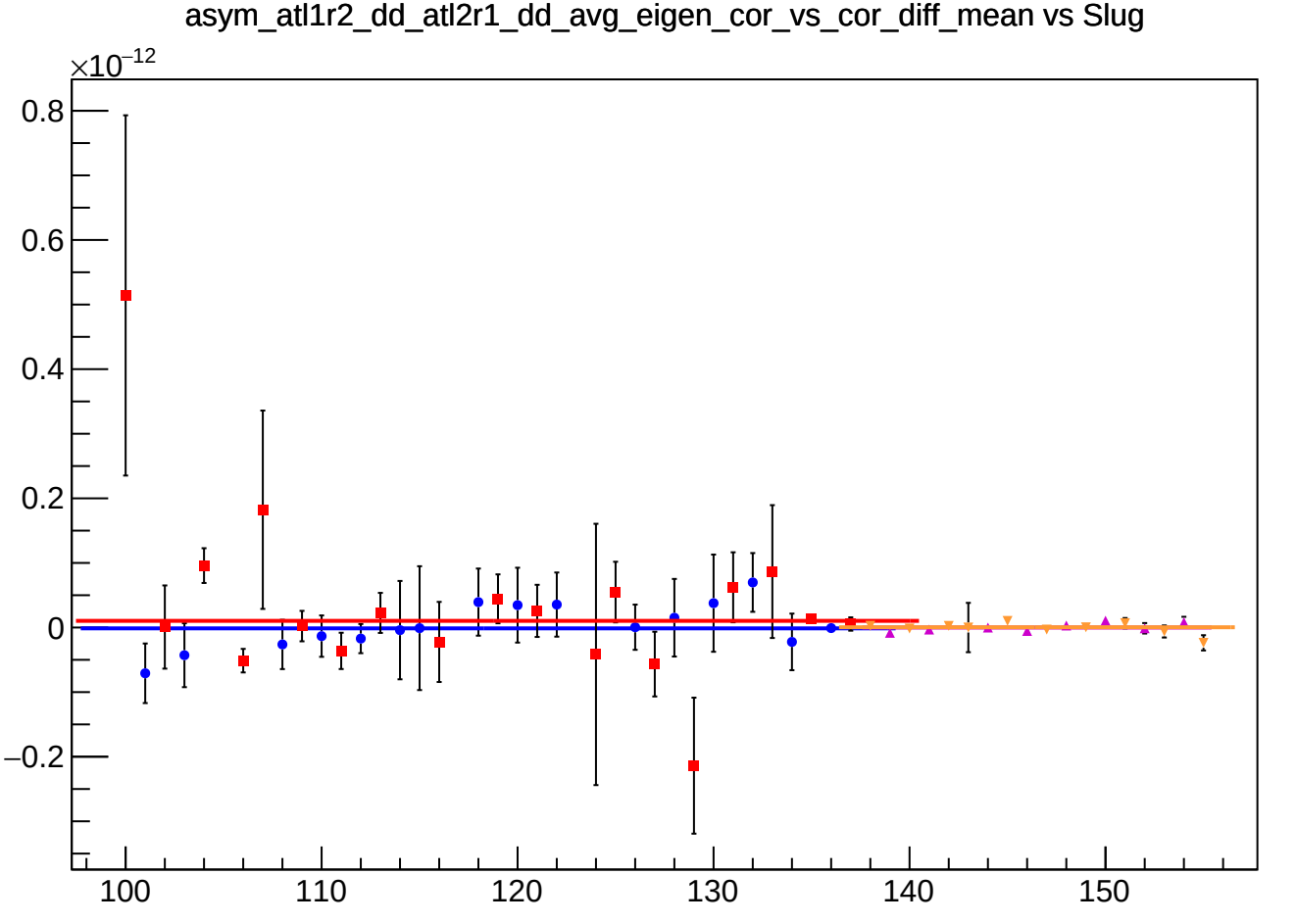
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

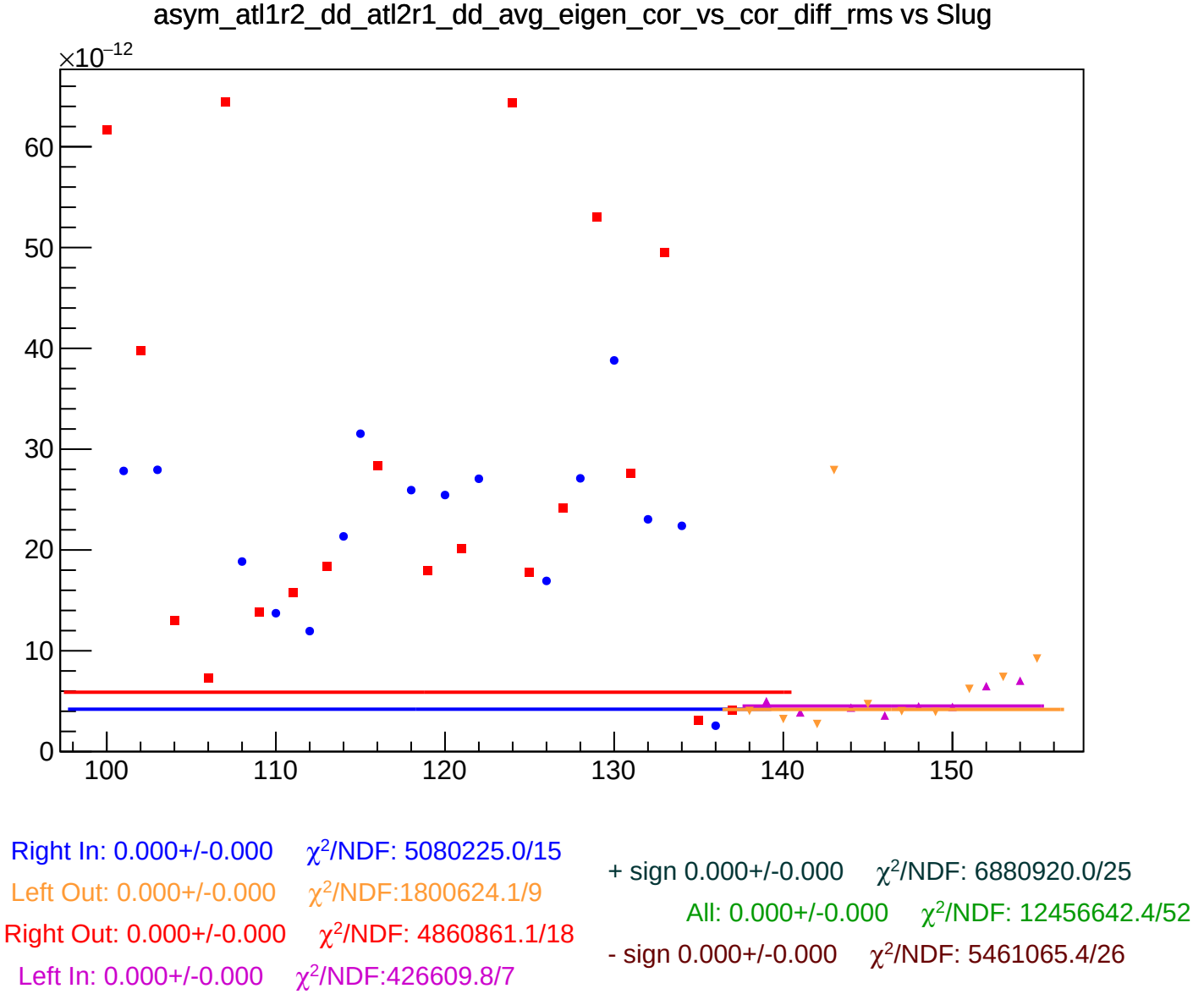
Left In: 33.709+/-0.010 χ^2/NDF:717819.4/7

+ sign 33.906+/-0.007 χ^2/NDF: 4664597.5/25

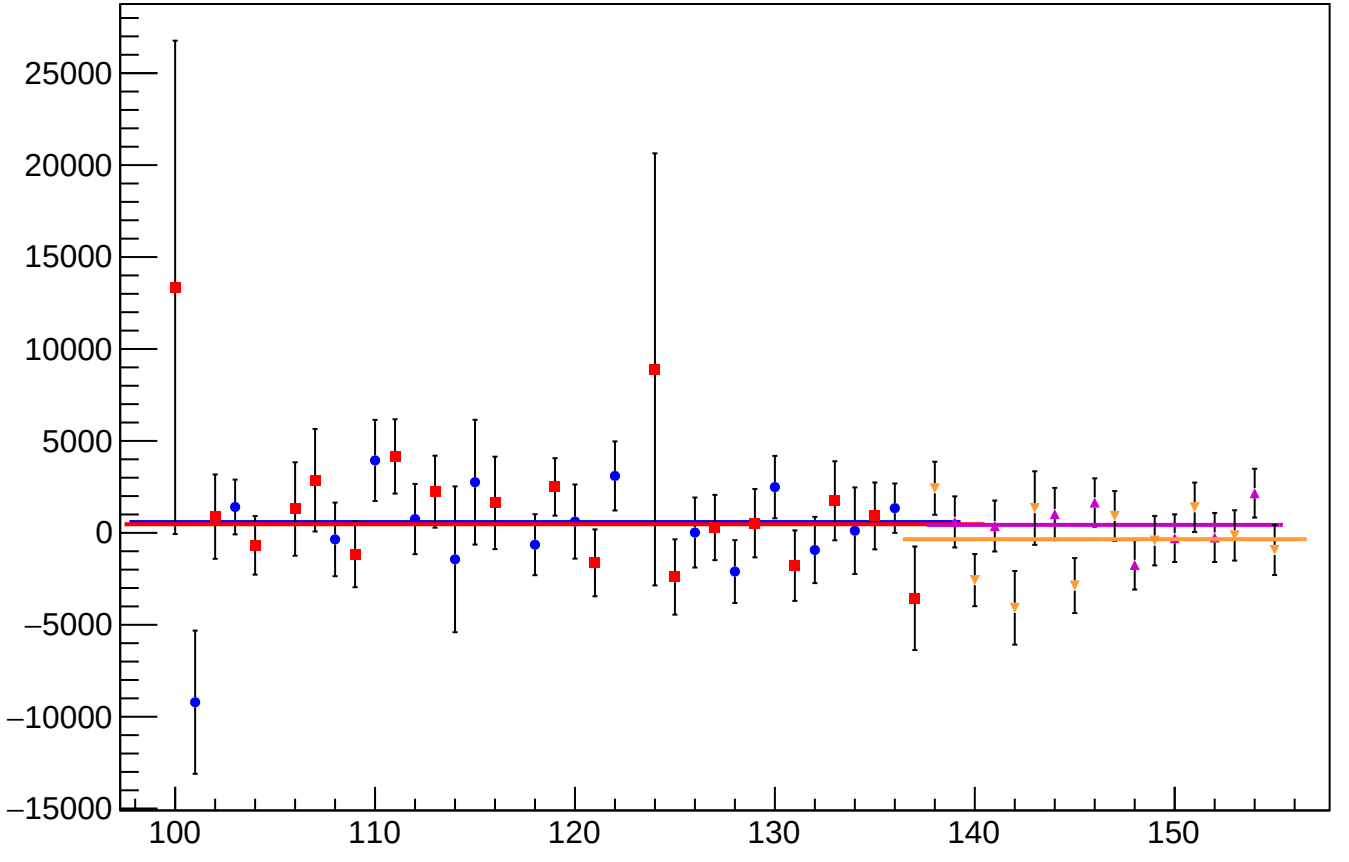
All: 34.048+/-0.005 χ^2/NDF: 8302527.6/52

- sign 34.198+/-0.007 χ^2/NDF: 3637132.4/26


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:8.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:8.3/7
+ sign -0.000+/-0.000 χ²/NDF: 17.4/25
All: 0.000+/-0.000 χ²/NDF: 71.2/52
- sign 0.000+/-0.000 χ²/NDF: 53.1/26


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1800624.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:426609.8/7
+ sign 0.000+/-0.000 χ²/NDF: 6880920.0/25
All: 0.000+/-0.000 χ²/NDF: 12456642.4/52
- sign 0.000+/-0.000 χ²/NDF: 5461065.4/26

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -344.515+/-463.806 χ^2/NDF:15.9/9

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

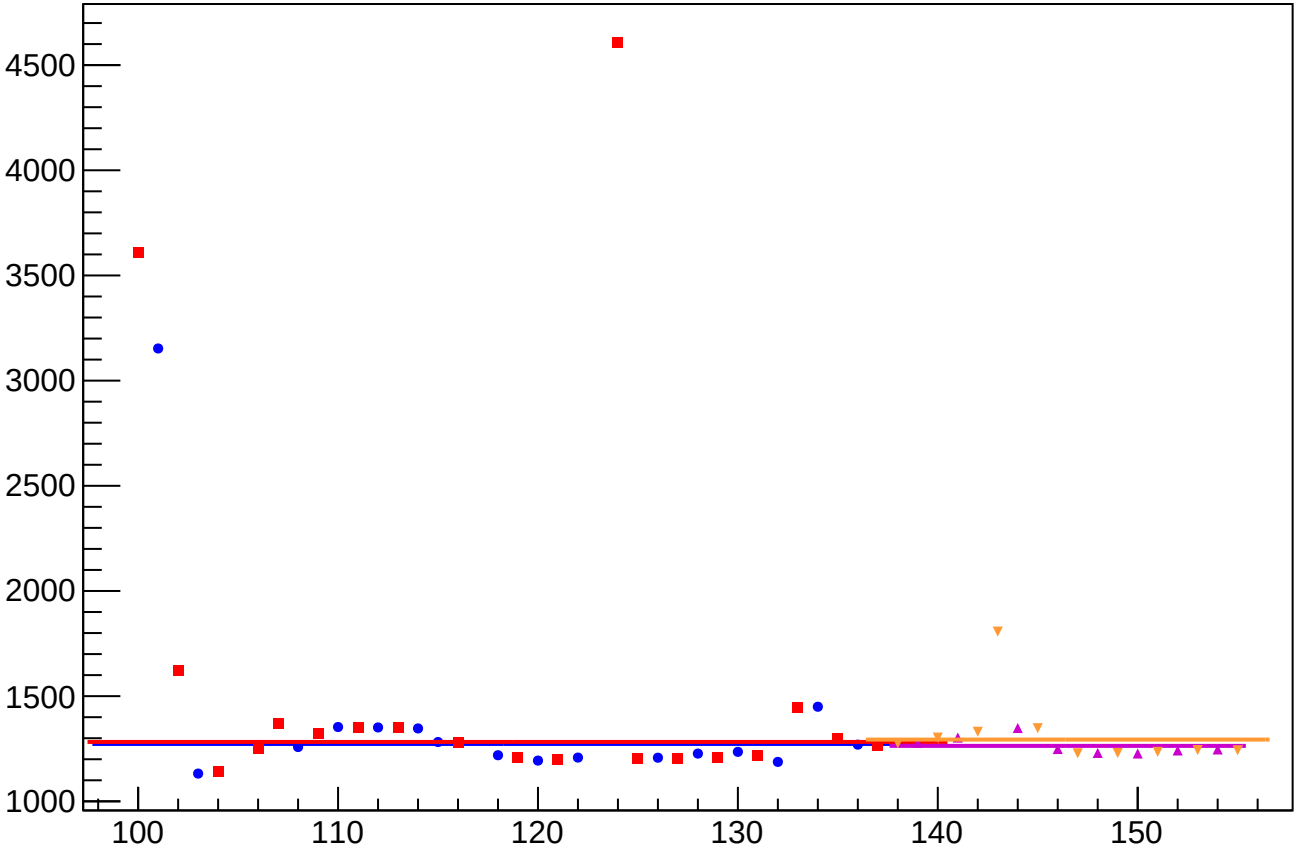
Left In: 434.547+/-477.096 χ^2/NDF:5.9/7

\+ sign 102.880+/-334.352 χ^2/NDF: 34.9/25

All: 275.087+/-237.896 χ^2/NDF: 58.3/52

\- sign 451.656+/-338.560 χ^2/NDF: 22.8/26

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

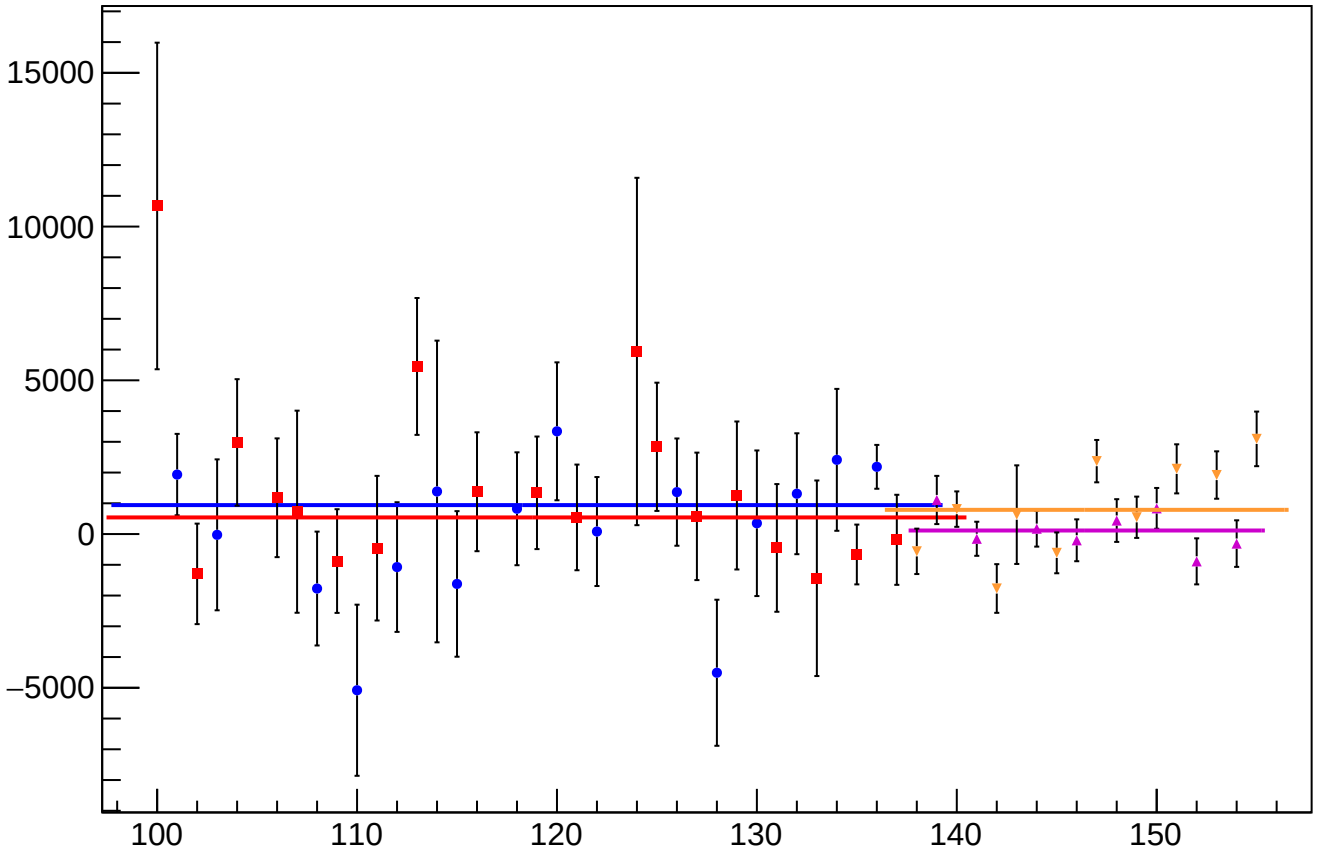
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

+ sign 1283.580+/-0.236 χ^2/NDF: 675085.8/25

All: 1278.314+/-0.168 χ^2/NDF: 1012644.3/52

- sign 1272.914+/-0.239 χ^2/NDF: 336553.6/26



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 787.477+/-236.066 χ^2/NDF:35.4/9

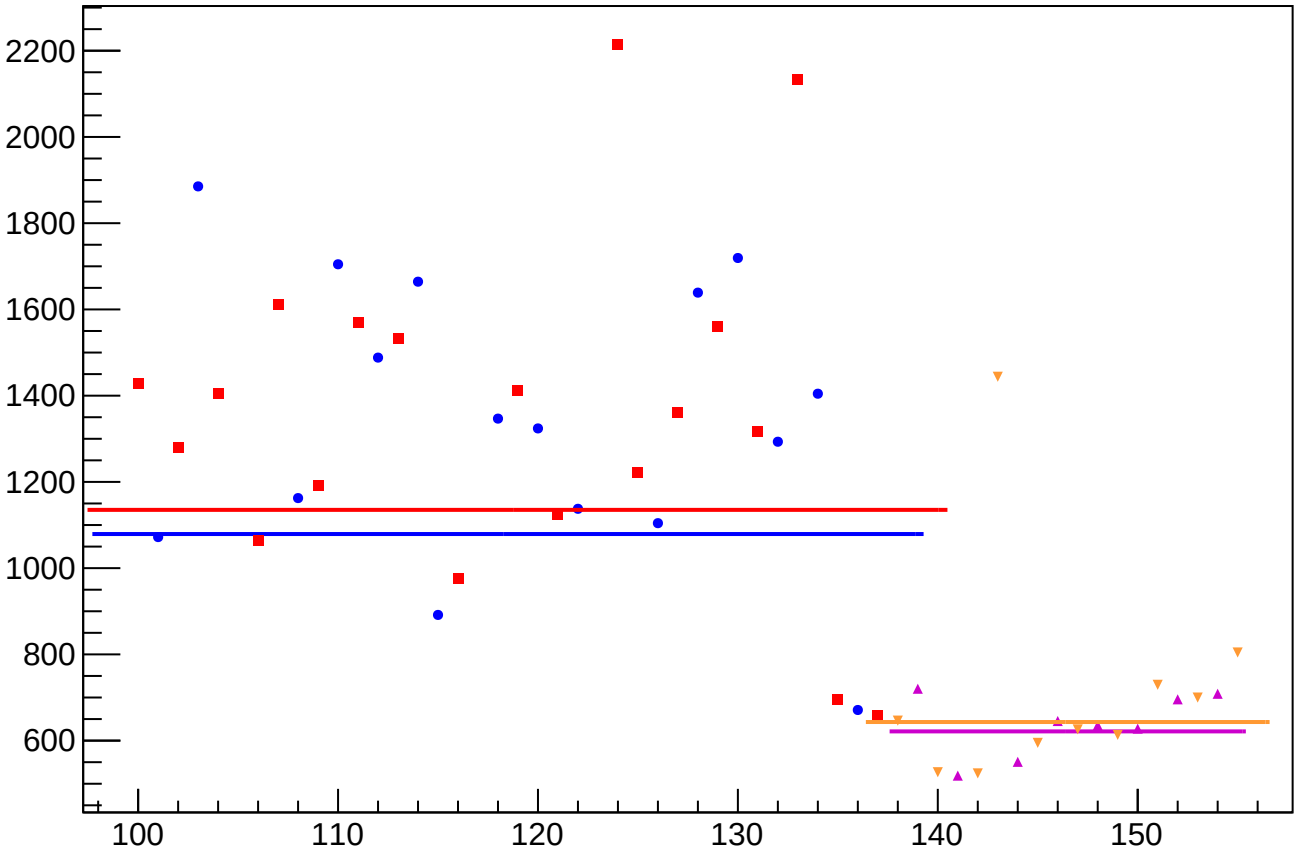
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 115.529+/-236.661 χ^2/NDF:5.6/7

+ sign 823.744+/-206.463 χ^2/NDF: 55.4/25

All: 520.227+/-146.677 χ^2/NDF: 83.2/52

- sign 210.946+/-208.415 χ^2/NDF: 23.5/26



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 643.162+/-0.167 χ^2/NDF:741641.0/9

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

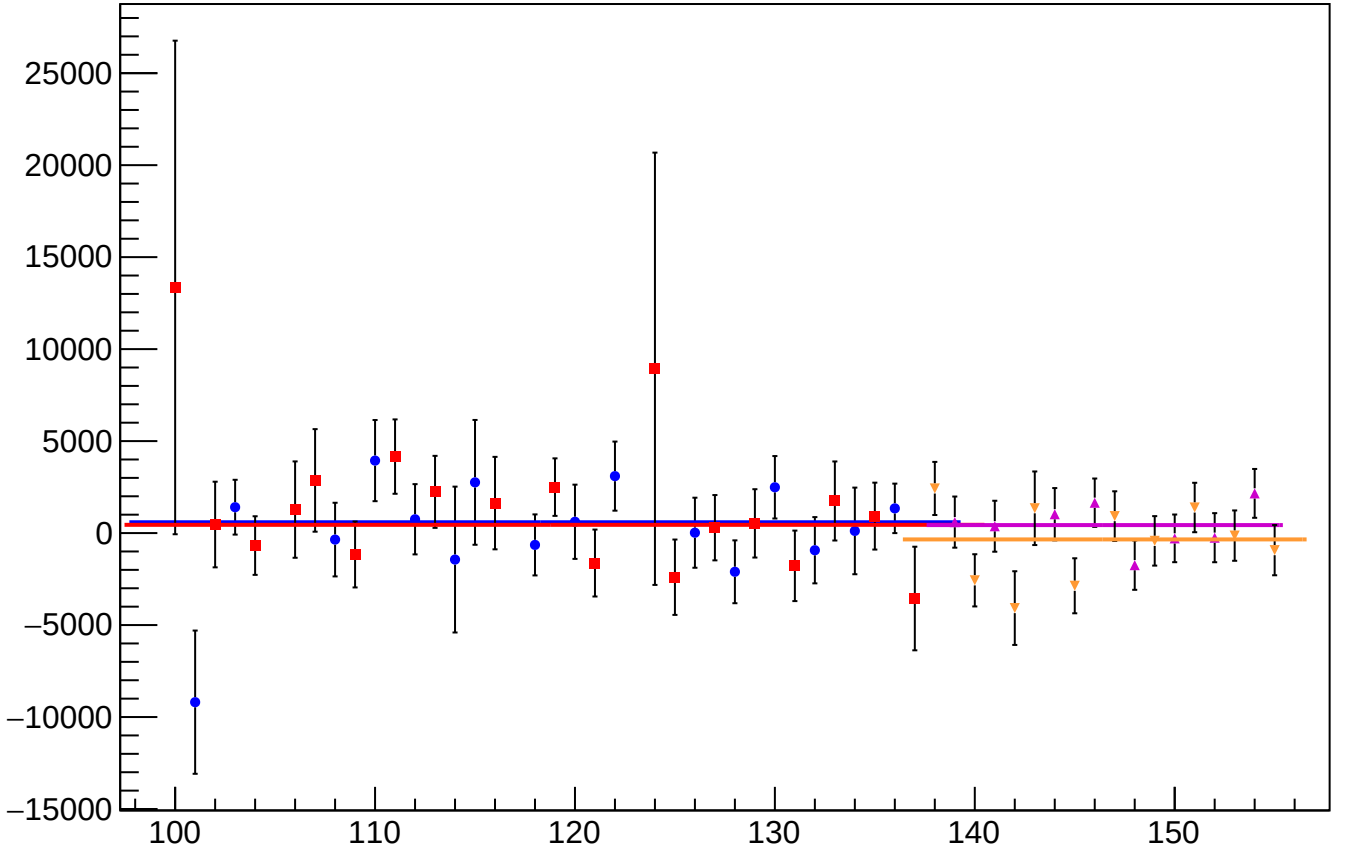
Left In: 621.409+/-0.167 χ^2/NDF:179519.1/7

\+ sign 745.643+/-0.146 χ^2/NDF: 3827317.8/25

All: 741.226+/-0.104 χ^2/NDF: 7417320.9/52

\- sign 736.725+/-0.147 χ^2/NDF: 3588155.2/26

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -344.596+/-463.806 χ^2/NDF:15.9/9

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

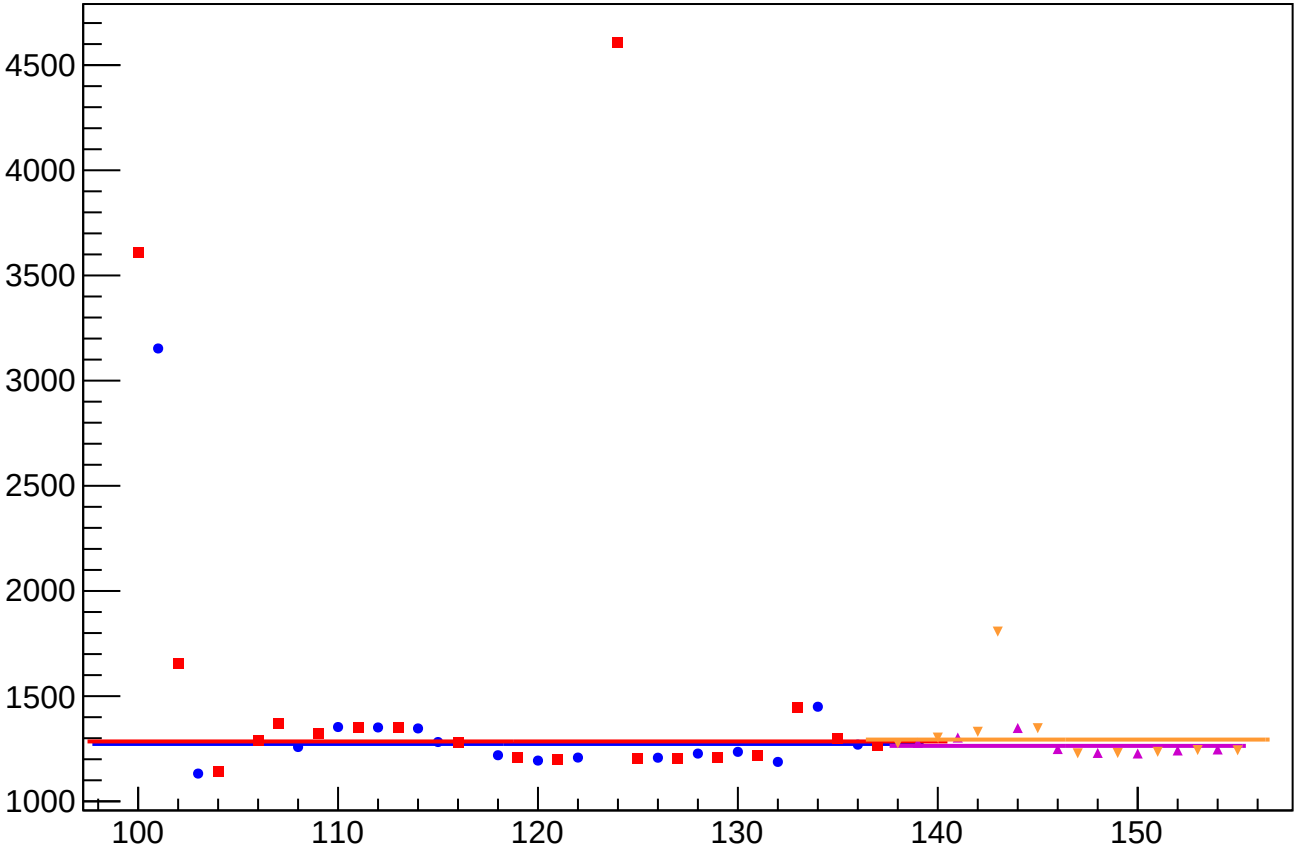
Left In: 434.553+/-477.096 χ^2/NDF:5.9/7

+ sign 102.992+/-334.352 χ^2/NDF: 34.9/25

All: 269.947+/-237.995 χ^2/NDF: 58.2/52

- sign 441.421+/-338.846 χ^2/NDF: 22.8/26

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

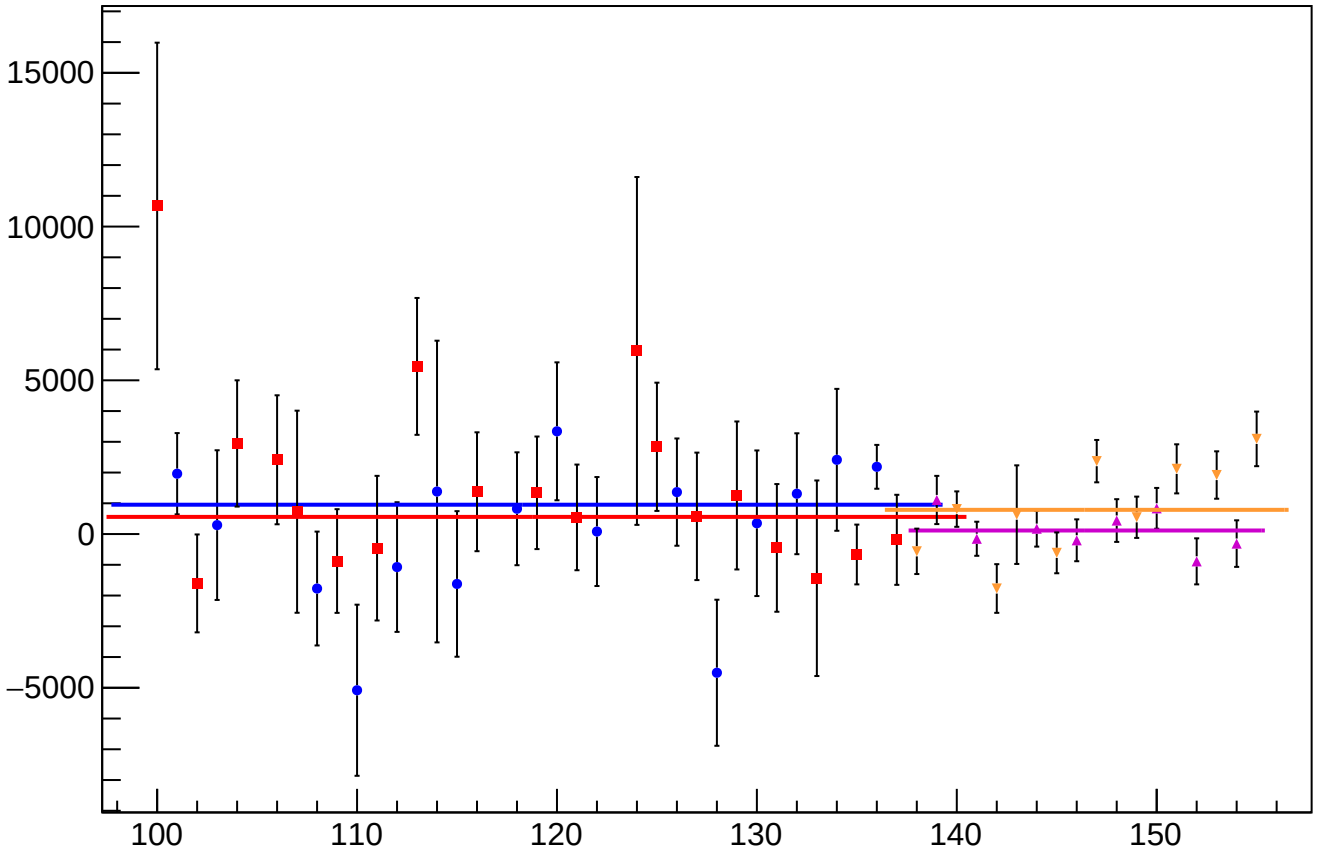
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

+ sign 1283.580+/-0.236 χ^2/NDF: 675087.2/25

All: 1278.870+/-0.168 χ^2/NDF: 1019496.0/52

- sign 1274.033+/-0.240 χ^2/NDF: 343604.3/26



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 787.460+/-236.068 χ^2/NDF:35.4/9

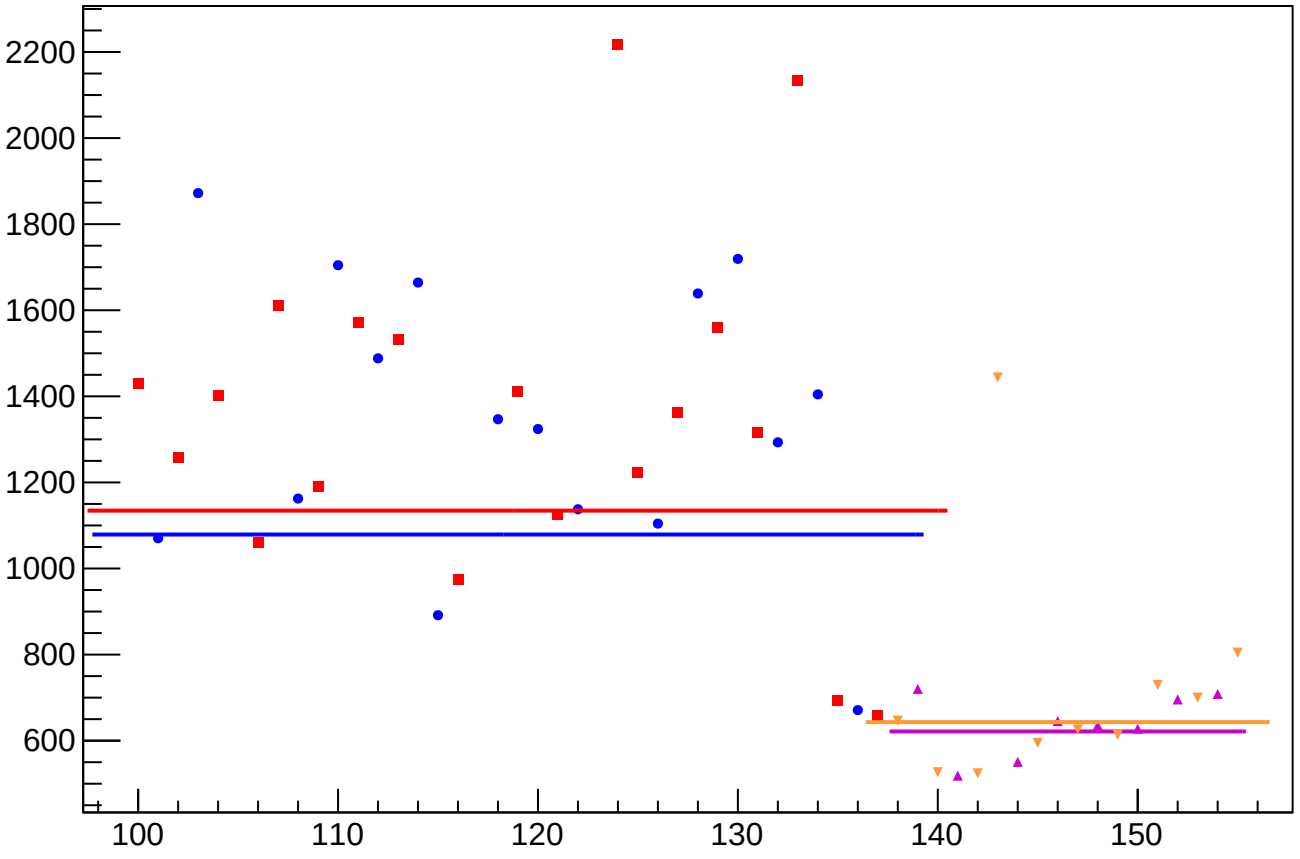
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 115.574+/-236.658 χ^2/NDF:5.6/7

\+ sign 826.669+/-206.445 χ^2/NDF: 55.3/25

All: 523.655+/-146.701 χ^2/NDF: 84.4/52

\- sign 214.567+/-208.504 χ^2/NDF: 24.7/26



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 643.170+/-0.167 χ^2/NDF:741550.9/9

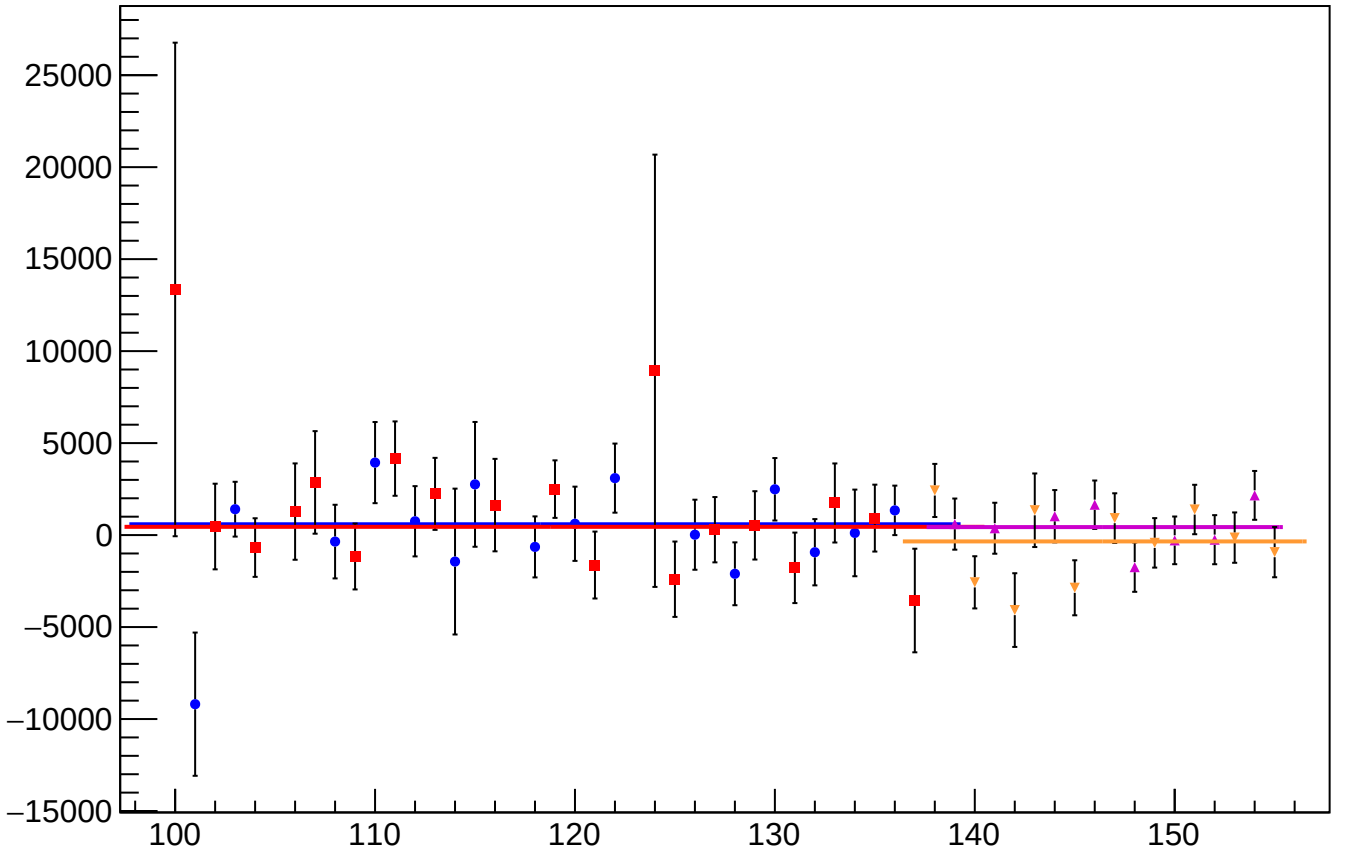
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.403+/-0.167 χ^2/NDF:179537.6/7

+ sign 745.672+/-0.146 χ^2/NDF: 3823277.5/25

All: 740.987+/-0.104 χ^2/NDF: 7397042.4/52

- sign 736.209+/-0.147 χ^2/NDF: 3571684.6/26



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -344.596+/-463.806 χ^2/NDF:15.9/9

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

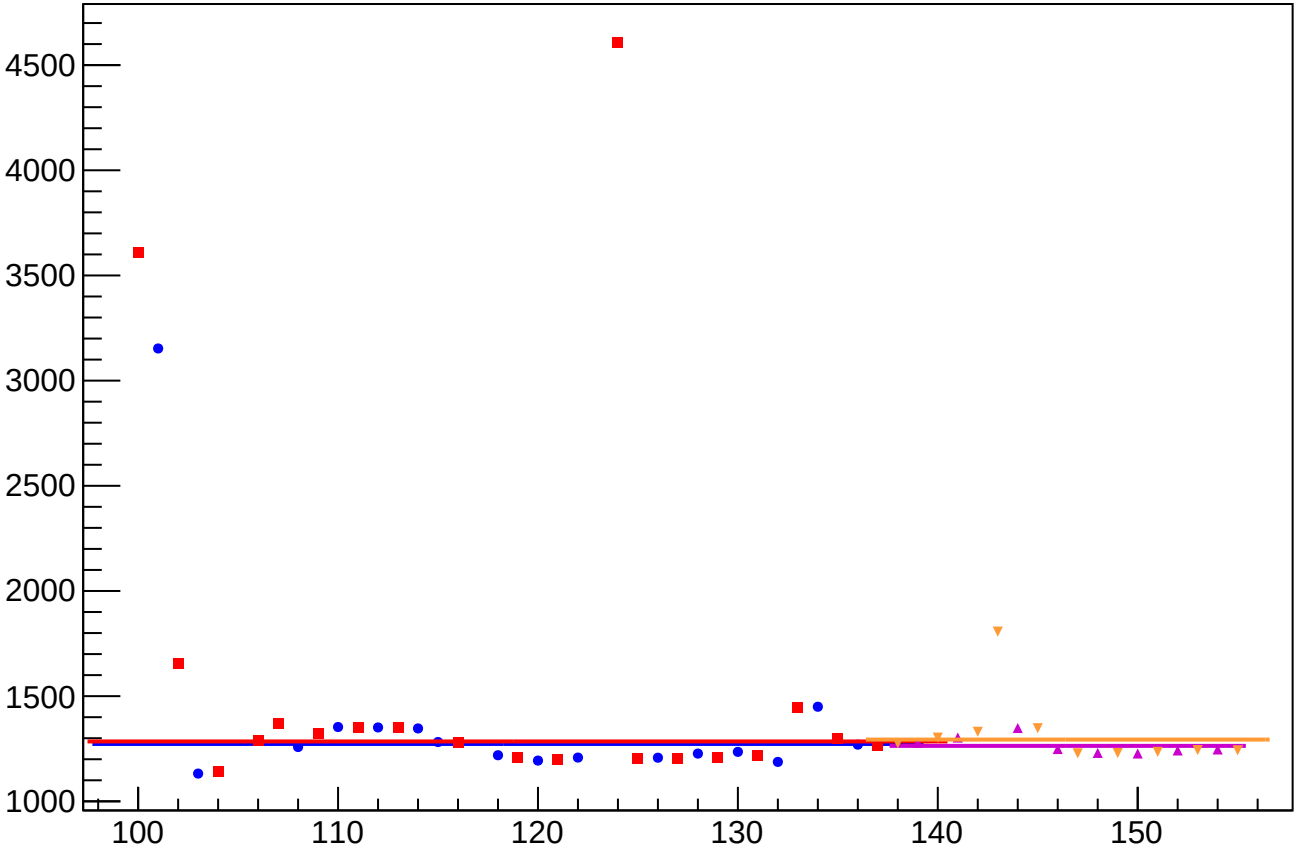
Left In: 434.553+/-477.096 χ^2/NDF:5.9/7

\+ sign 102.992+/-334.352 χ^2/NDF: 34.9/25

All: 269.947+/-237.995 χ^2/NDF: 58.2/52

\- sign 441.421+/-338.846 χ^2/NDF: 22.8/26

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

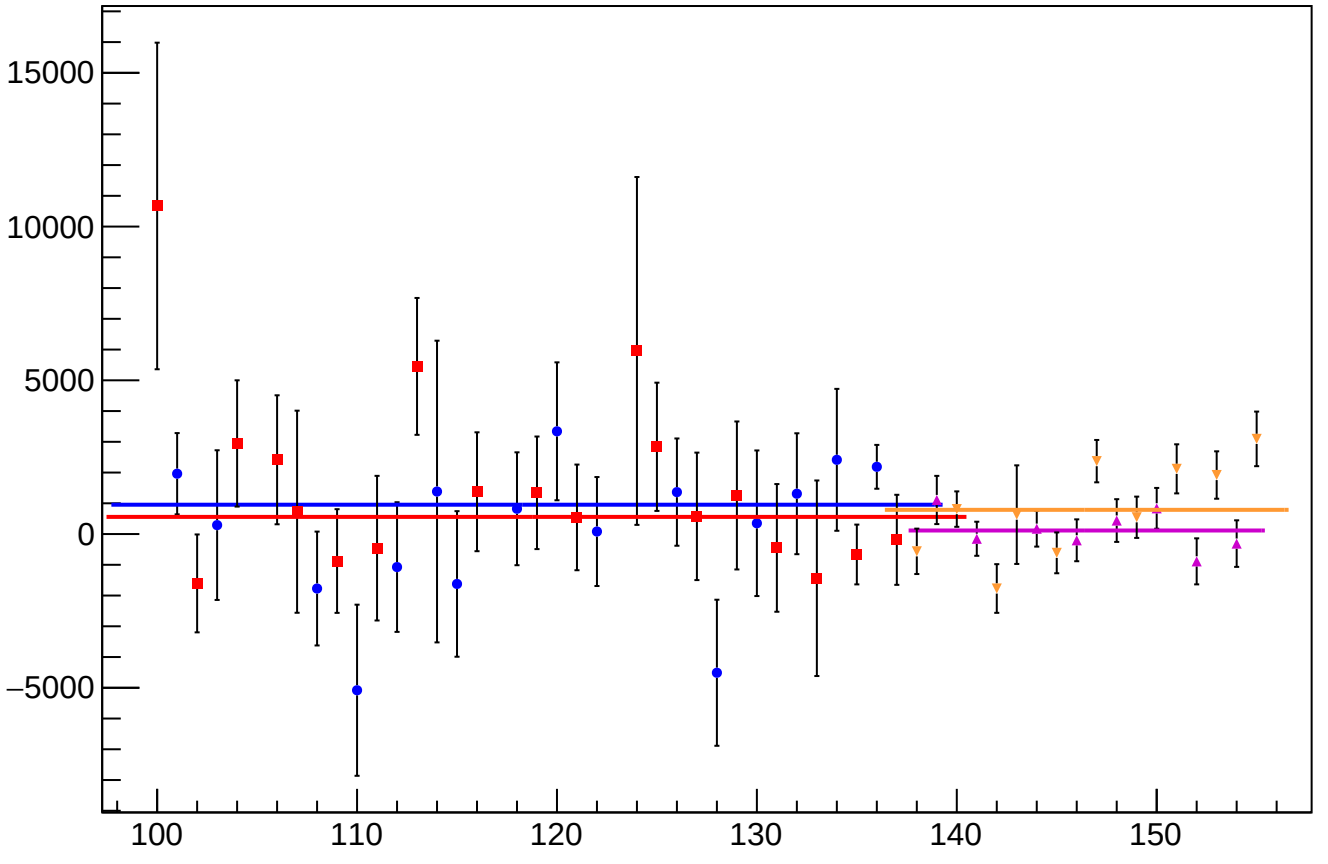
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

+ sign 1283.580+/-0.236 χ^2/NDF: 675087.2/25

All: 1278.870+/-0.168 χ^2/NDF: 1019496.0/52

- sign 1274.033+/-0.240 χ^2/NDF: 343604.3/26



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 787.460+/-236.068 χ^2/NDF:35.4/9

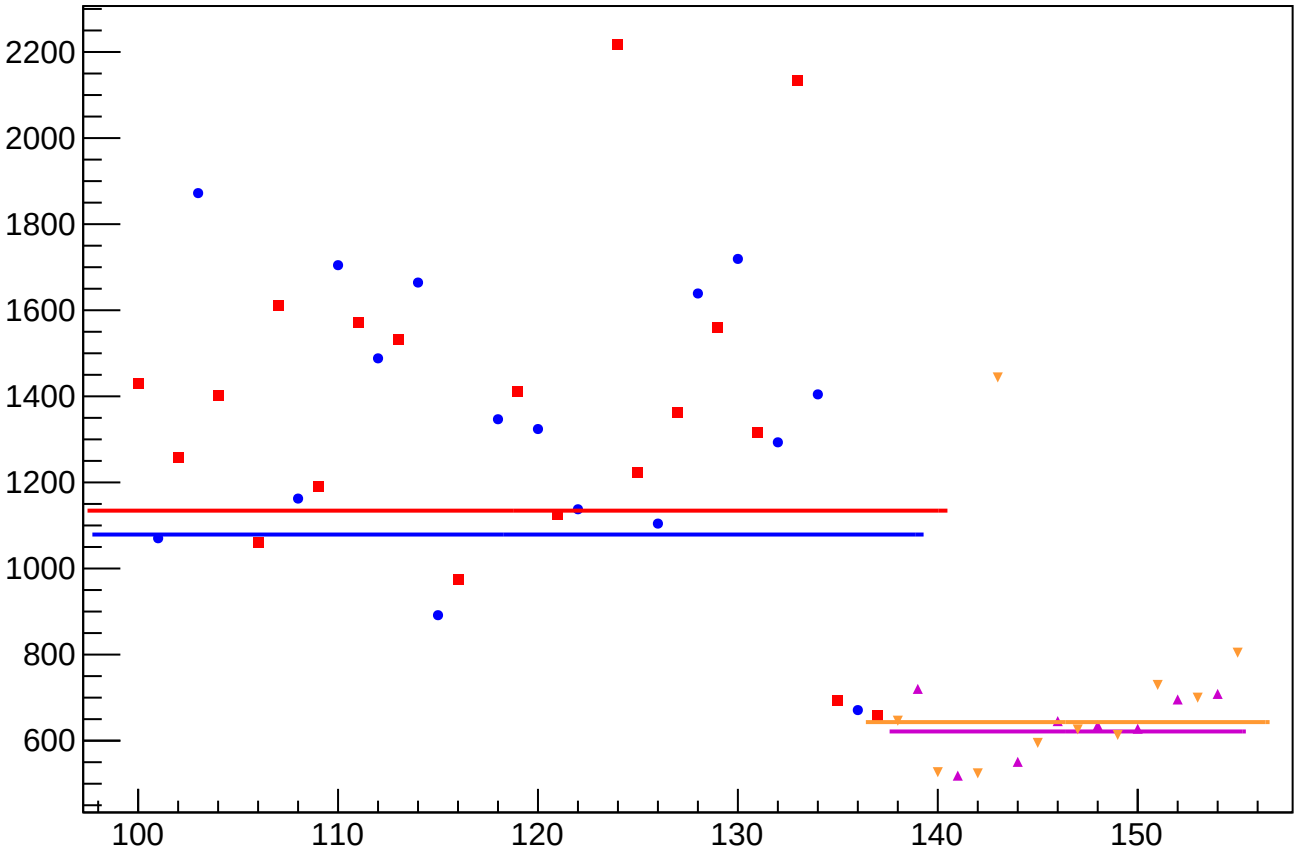
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 115.574+/-236.658 χ^2/NDF:5.6/7

+ sign 826.669+/-206.445 χ^2/NDF: 55.3/25

All: 523.655+/-146.701 χ^2/NDF: 84.4/52

- sign 214.567+/-208.504 χ^2/NDF: 24.7/26



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 643.170+/-0.167 χ^2/NDF:741550.9/9

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

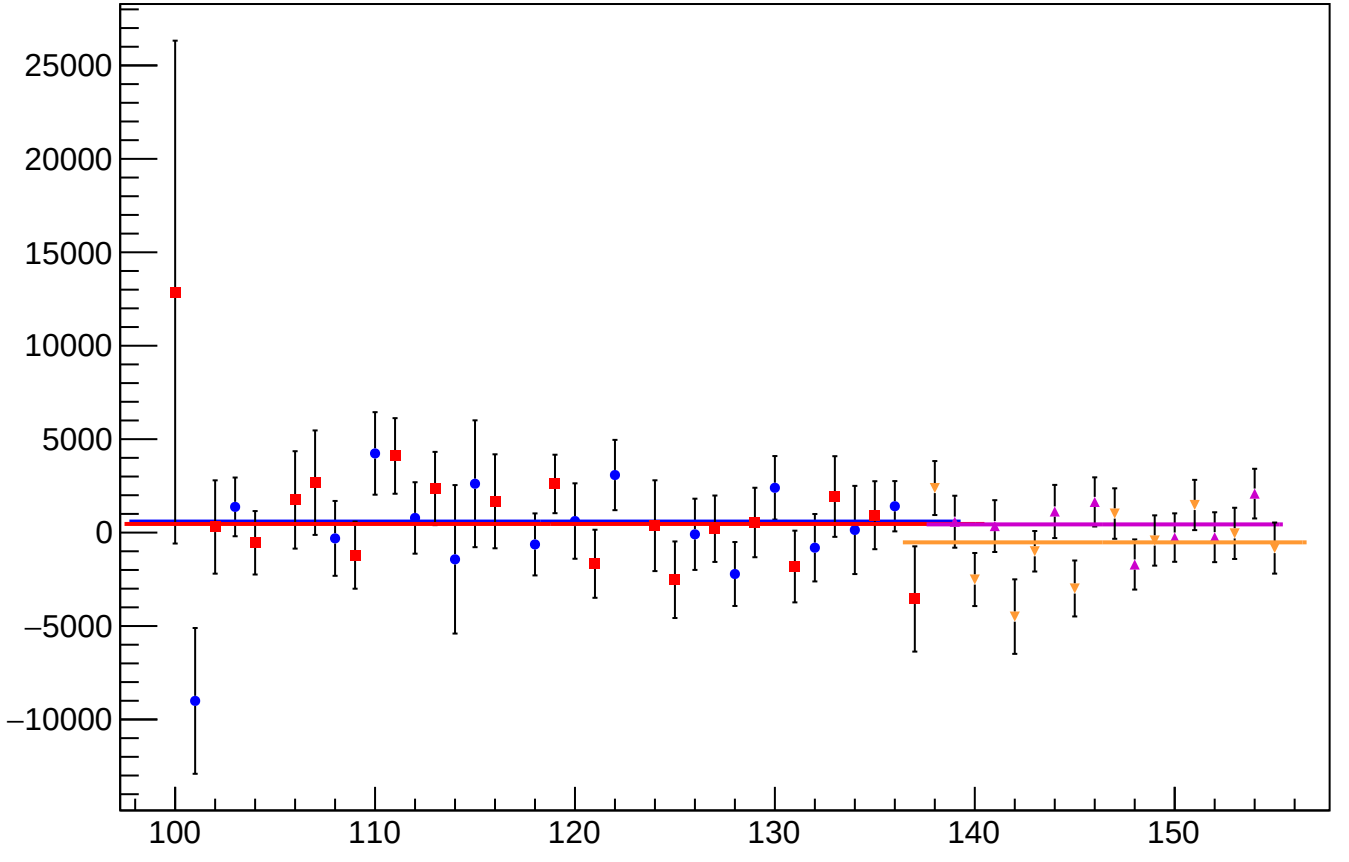
Left In: 621.403+/-0.167 χ^2/NDF:179537.6/7

+ sign 745.672+/-0.146 χ^2/NDF: 3823277.5/25

All: 740.987+/-0.104 χ^2/NDF: 7397042.4/52

- sign 736.209+/-0.147 χ^2/NDF: 3571684.6/26

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -522.476+/-436.627 χ^2/NDF:16.6/9

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

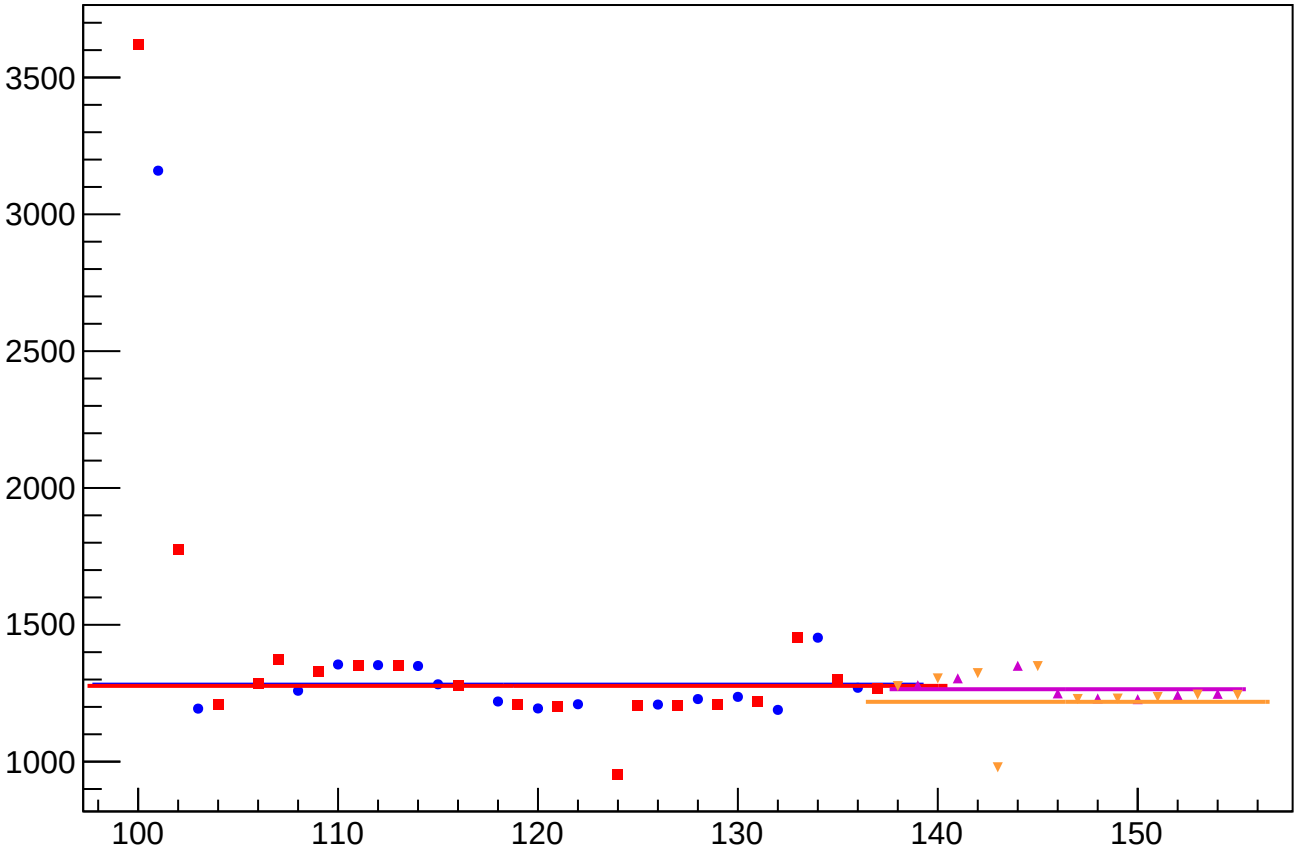
Left In: 438.861+/-477.478 χ^2/NDF:5.7/7

+ sign -24.870+/-324.645 χ^2/NDF: 36.6/25

All: 203.789+/-233.933 χ^2/NDF: 60.1/52

- sign 450.750+/-337.386 χ^2/NDF: 22.4/26

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1218.582+/-0.309 χ^2/NDF:130614.6/9

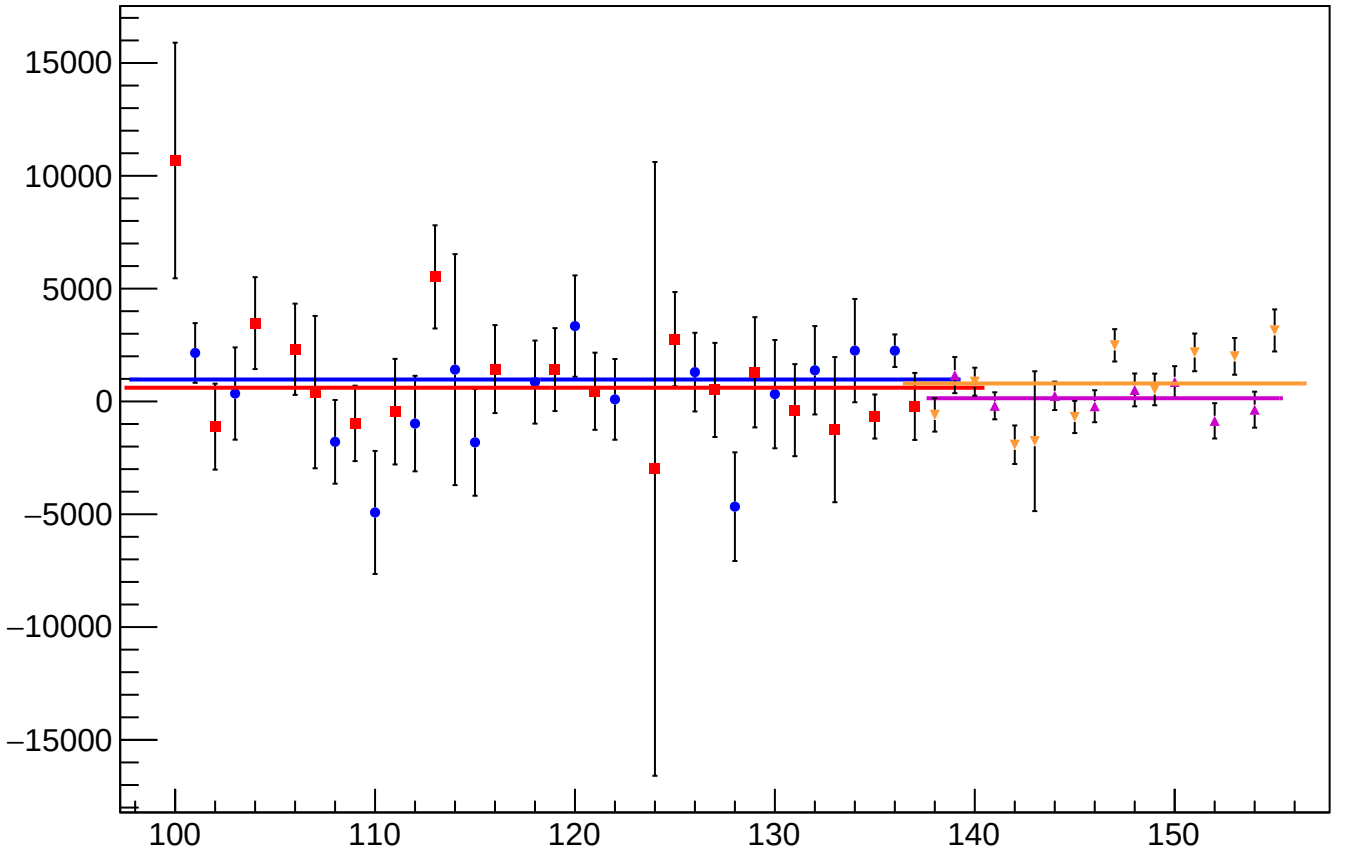
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1264.603+/-0.338 χ^2/NDF:13065.7/7

+ sign 1246.658+/-0.230 χ^2/NDF: 656186.5/25

All: 1258.236+/-0.165 χ^2/NDF: 895716.8/52

- sign 1270.740+/-0.239 χ^2/NDF: 234239.2/26



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 796.847+/-250.643 χ^2/NDF:35.6/9

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

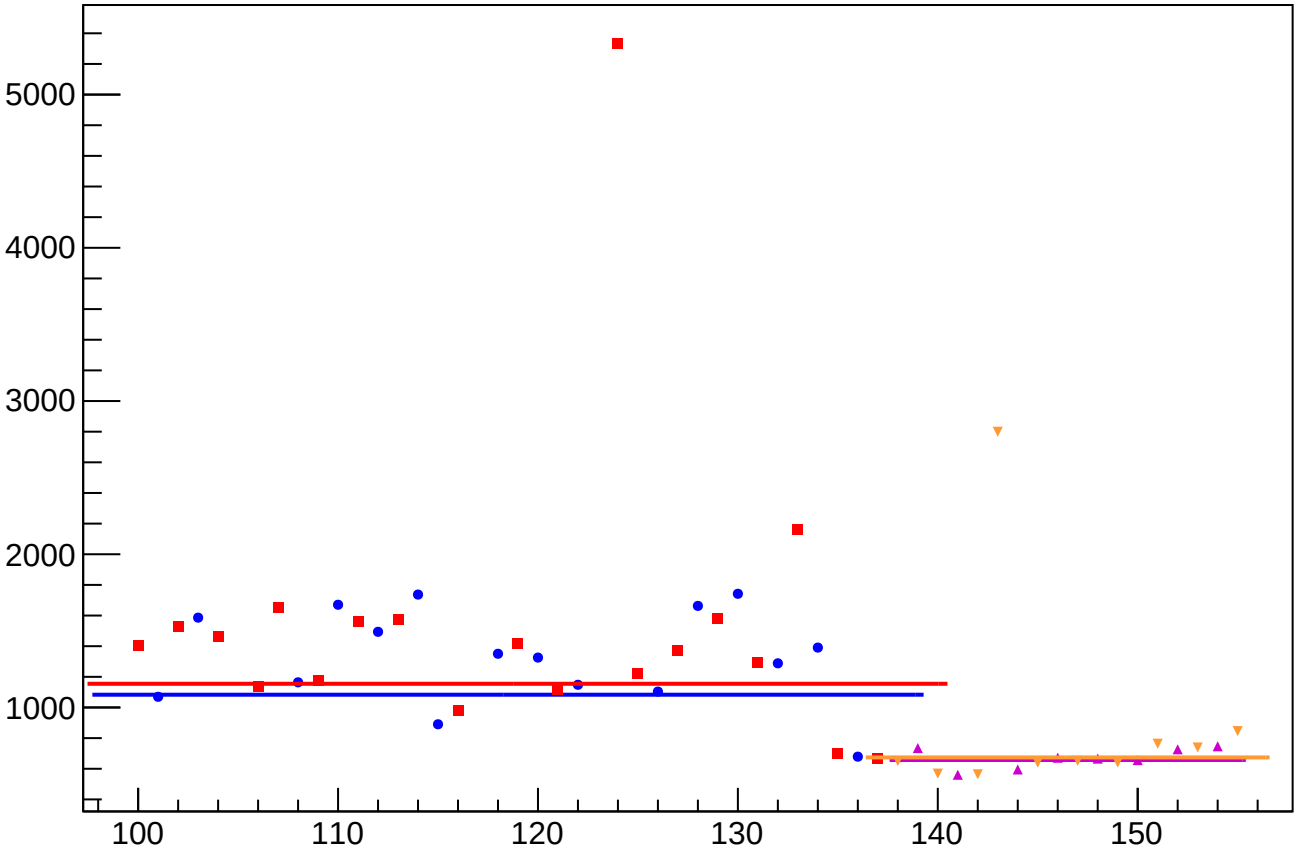
Left In: 141.627+/-249.799 χ^2/NDF:5.6/7

+ sign 842.085+/-215.924 χ^2/NDF: 56.2/25

All: 550.279+/-153.460 χ^2/NDF: 83.5/52

- sign 252.438+/-218.145 χ^2/NDF: 23.6/26

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 673.938+/-0.177 χ^2/NDF:1148174.3/9

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

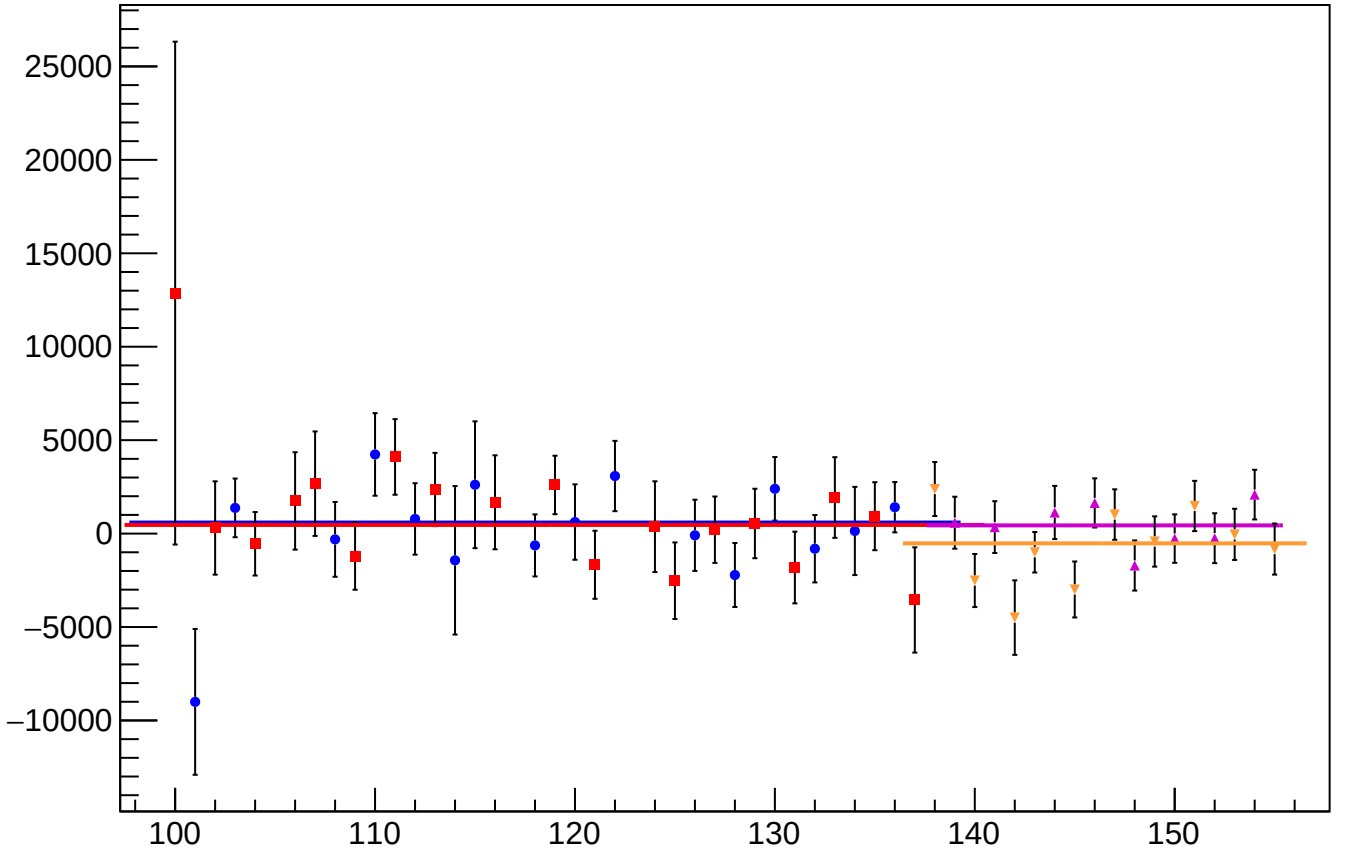
Left In: 657.228+/-0.177 χ^2/NDF:132234.9/7

+ sign 779.503+/-0.153 χ^2/NDF: 3884214.4/25

All: 777.435+/-0.109 χ^2/NDF: 7388234.3/52

- sign 775.325+/-0.154 χ^2/NDF: 3503649.4/26

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -522.478+/-436.627 χ^2/NDF:16.6/9

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

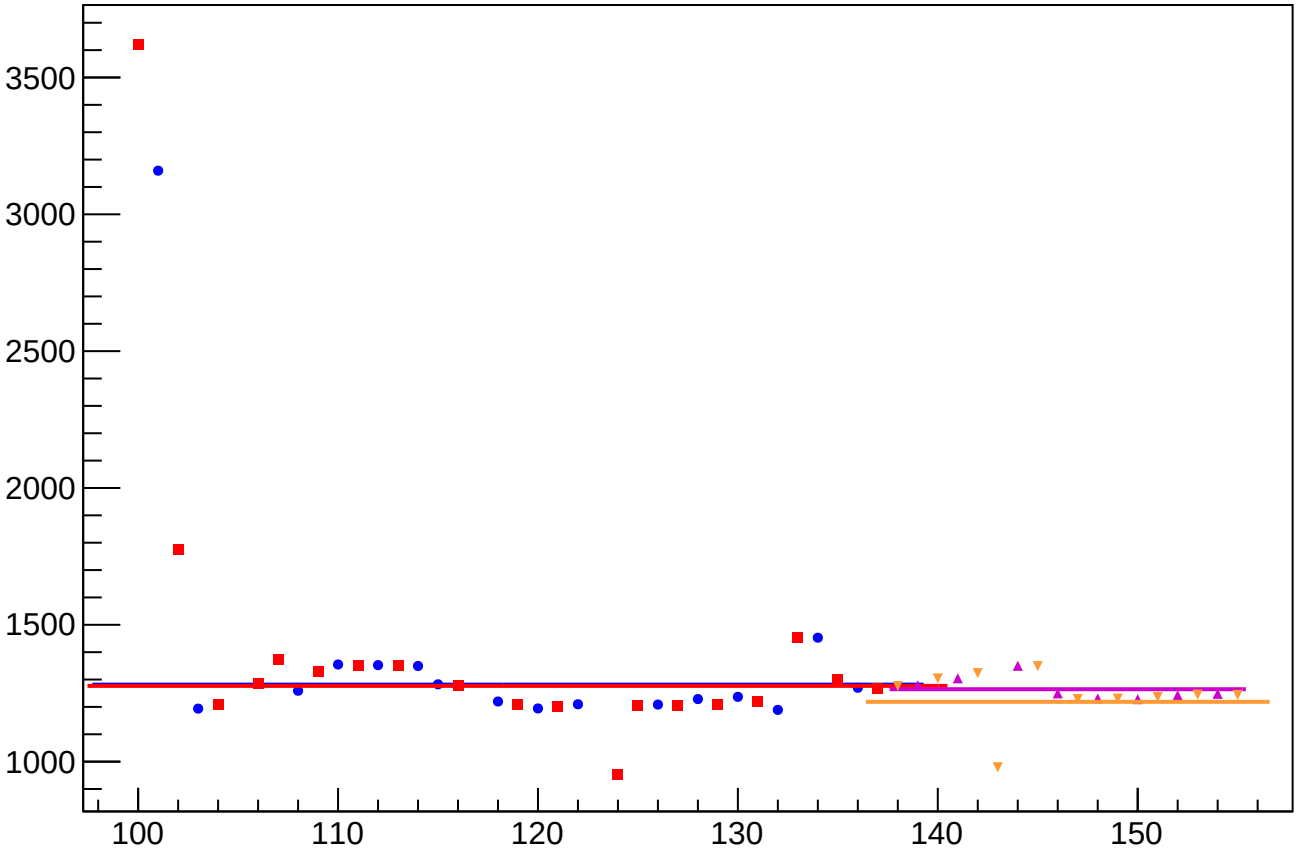
Left In: 438.864+/-477.478 χ^2/NDF:5.7/7

+ sign -24.871+/-324.645 χ^2/NDF: 36.6/25

All: 203.790+/-233.933 χ^2/NDF: 60.1/52

- sign 450.751+/-337.386 χ^2/NDF: 22.4/26

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: 1218.582+/-0.309 χ^2/NDF:130613.9/9

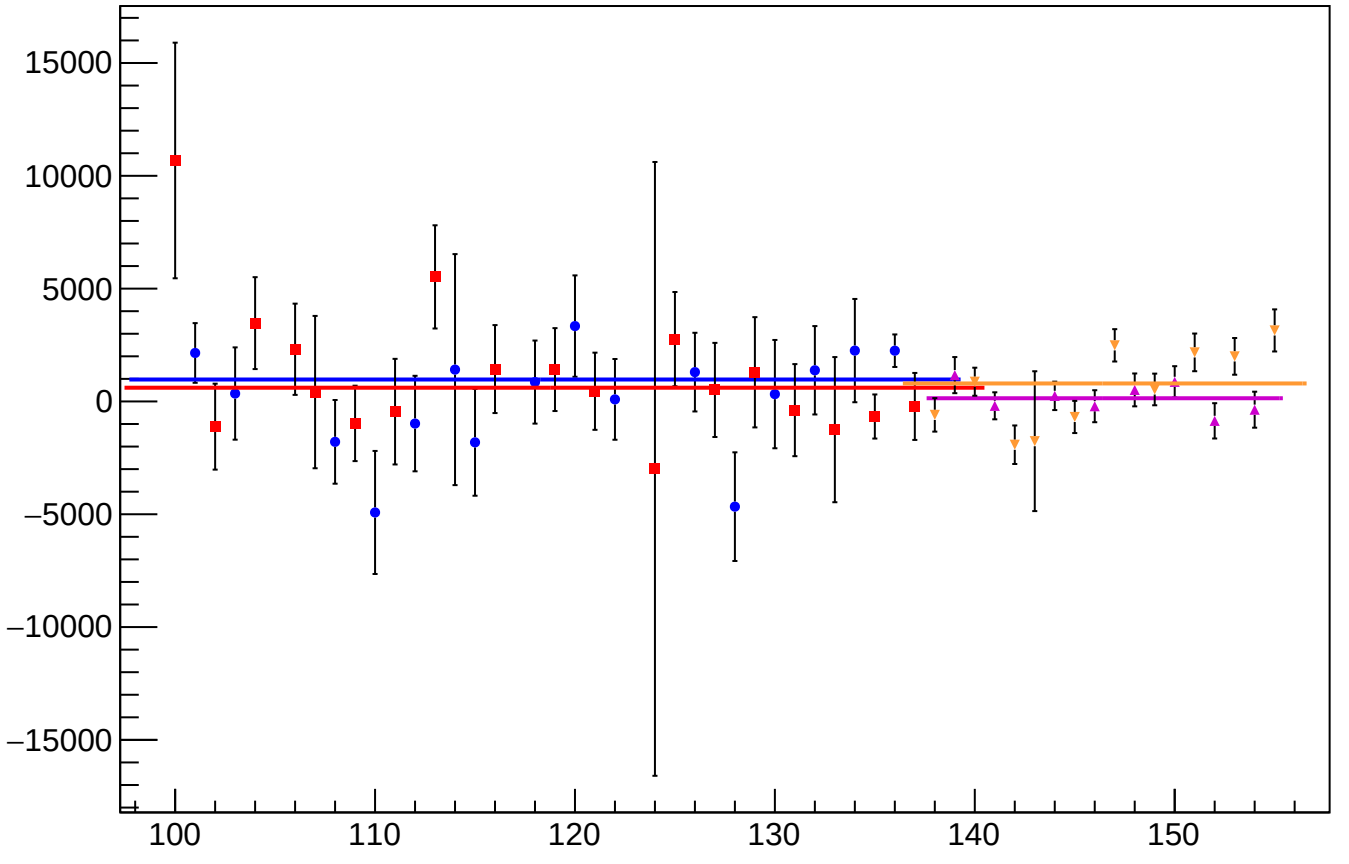
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1264.603+/-0.338 χ^2/NDF:13065.7/7

+ sign 1246.658+/-0.230 χ^2/NDF: 656185.8/25

All: 1258.236+/-0.165 χ^2/NDF: 895715.9/52

- sign 1270.740+/-0.239 χ^2/NDF: 234239.1/26



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 796.852+/-250.644 χ^2/NDF:35.6/9

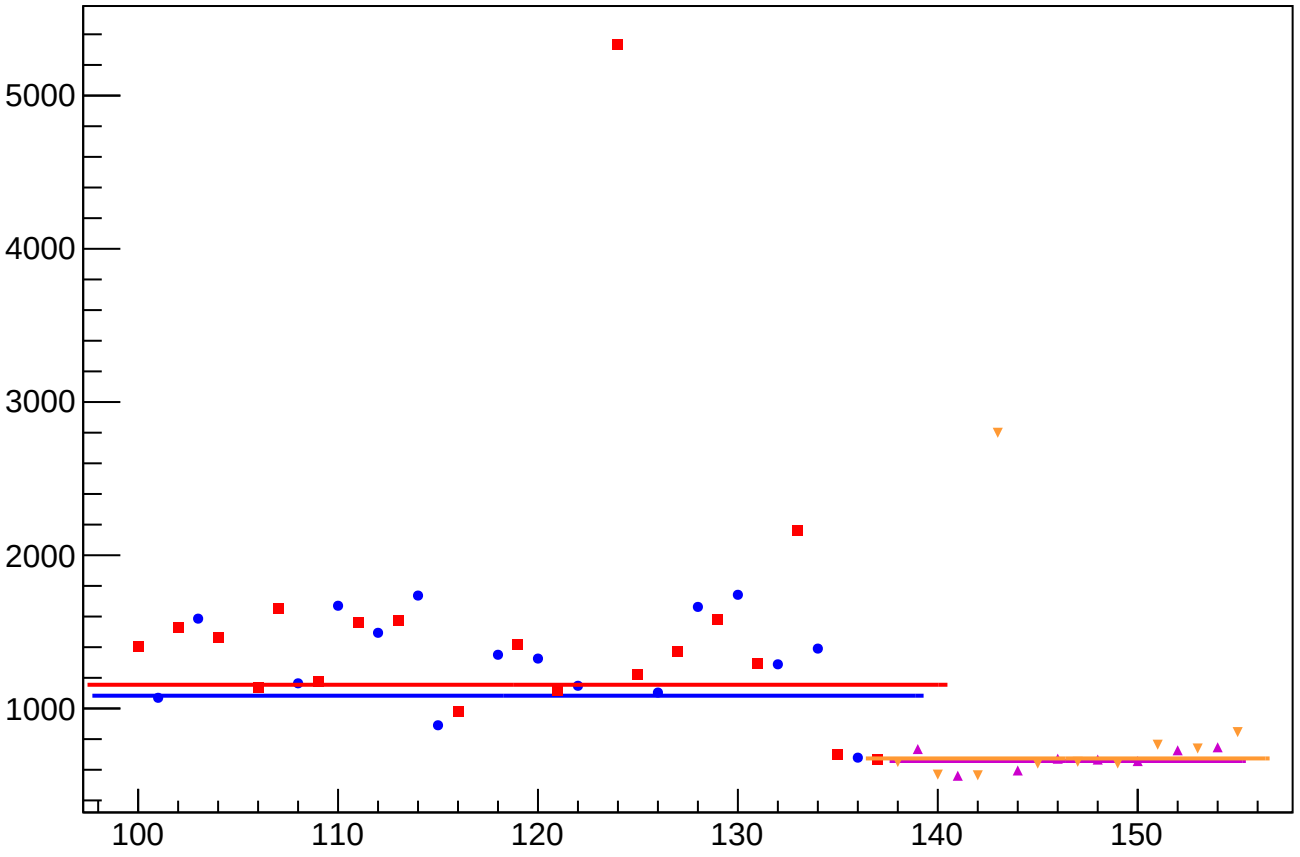
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 141.628+/-249.799 χ^2/NDF:5.6/7

+ sign 842.087+/-215.924 χ^2/NDF: 56.2/25

All: 550.280+/-153.461 χ^2/NDF: 83.5/52

- sign 252.440+/-218.145 χ^2/NDF: 23.6/26



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 673.939+/-0.177 χ^2/NDF:1148166.9/9

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

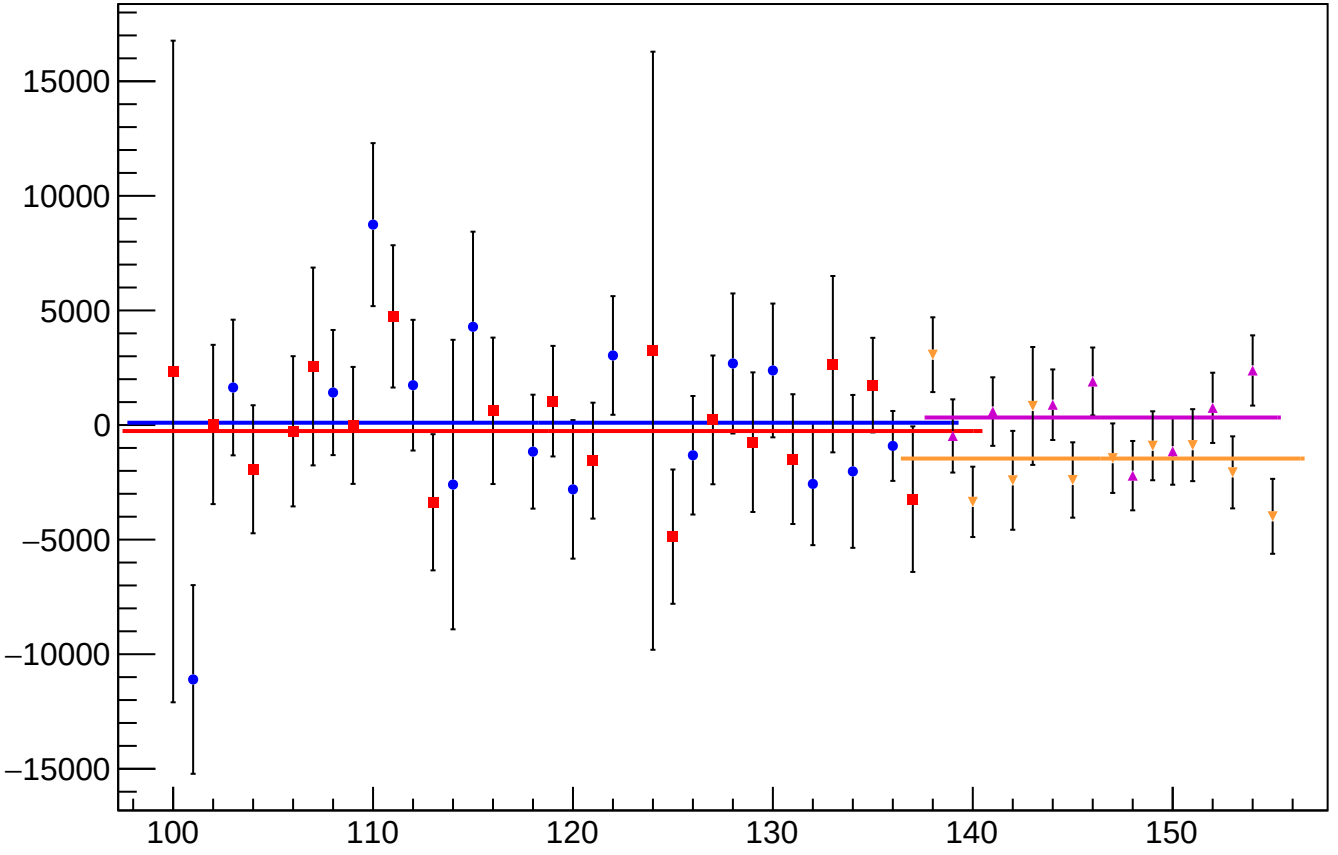
Left In: 657.228+/-0.177 χ^2/NDF:132237.2/7

\+ sign 779.505+/-0.153 χ^2/NDF: 3884173.4/25

All: 777.437+/-0.109 χ^2/NDF: 7388189.6/52

\- sign 775.326+/-0.154 χ^2/NDF: 3503645.4/26

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1462.379+/-527.266 χ^2/NDF:13.3/9

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

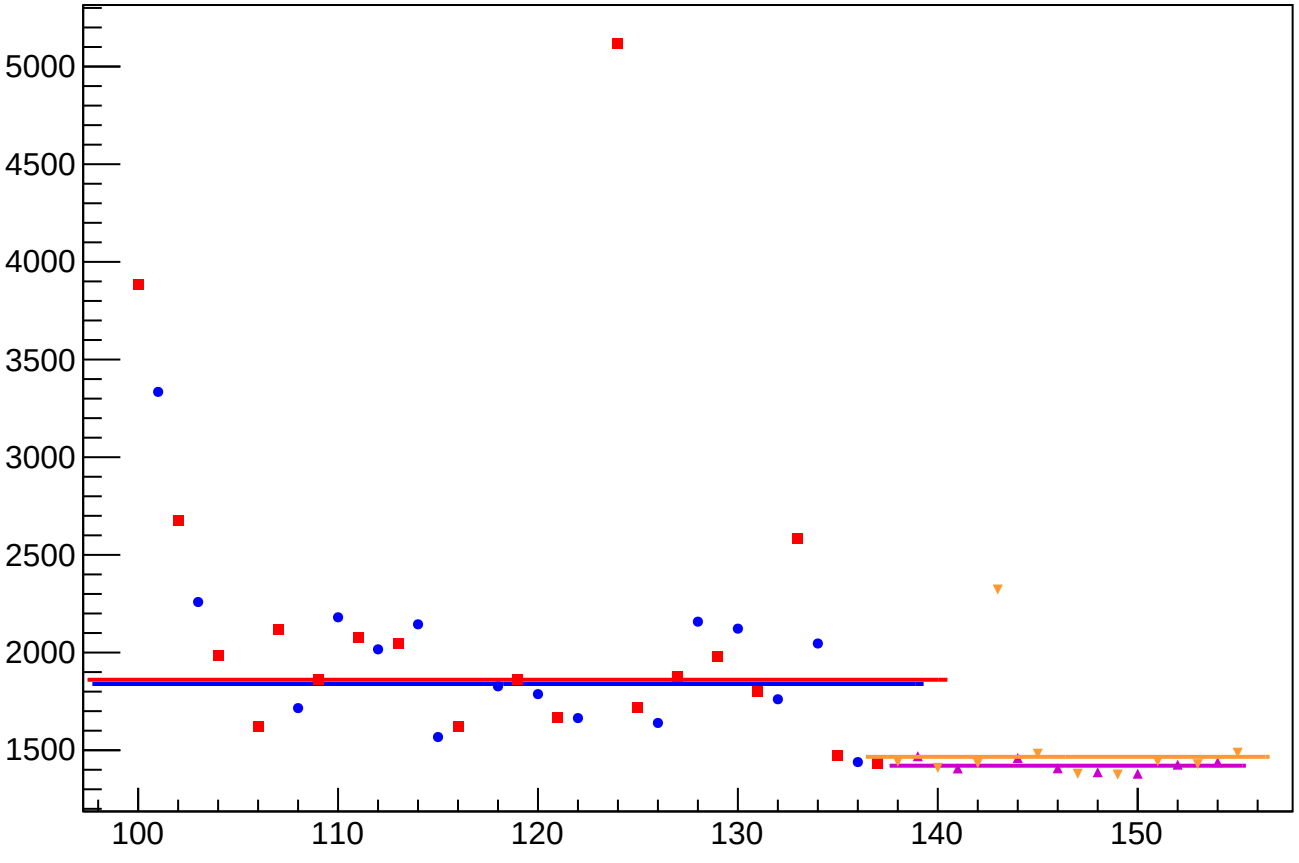
Left In: 328.567+/-536.370 χ^2/NDF:7.2/7

\+ sign -895.606+/-420.936 χ^2/NDF: 37.8/25

All: -398.591+/-299.314 χ^2/NDF: 58.7/52

\- sign 109.719+/-425.692 χ^2/NDF: 18.0/26

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1466.140+/-0.373 χ^2/NDF:241238.4/9

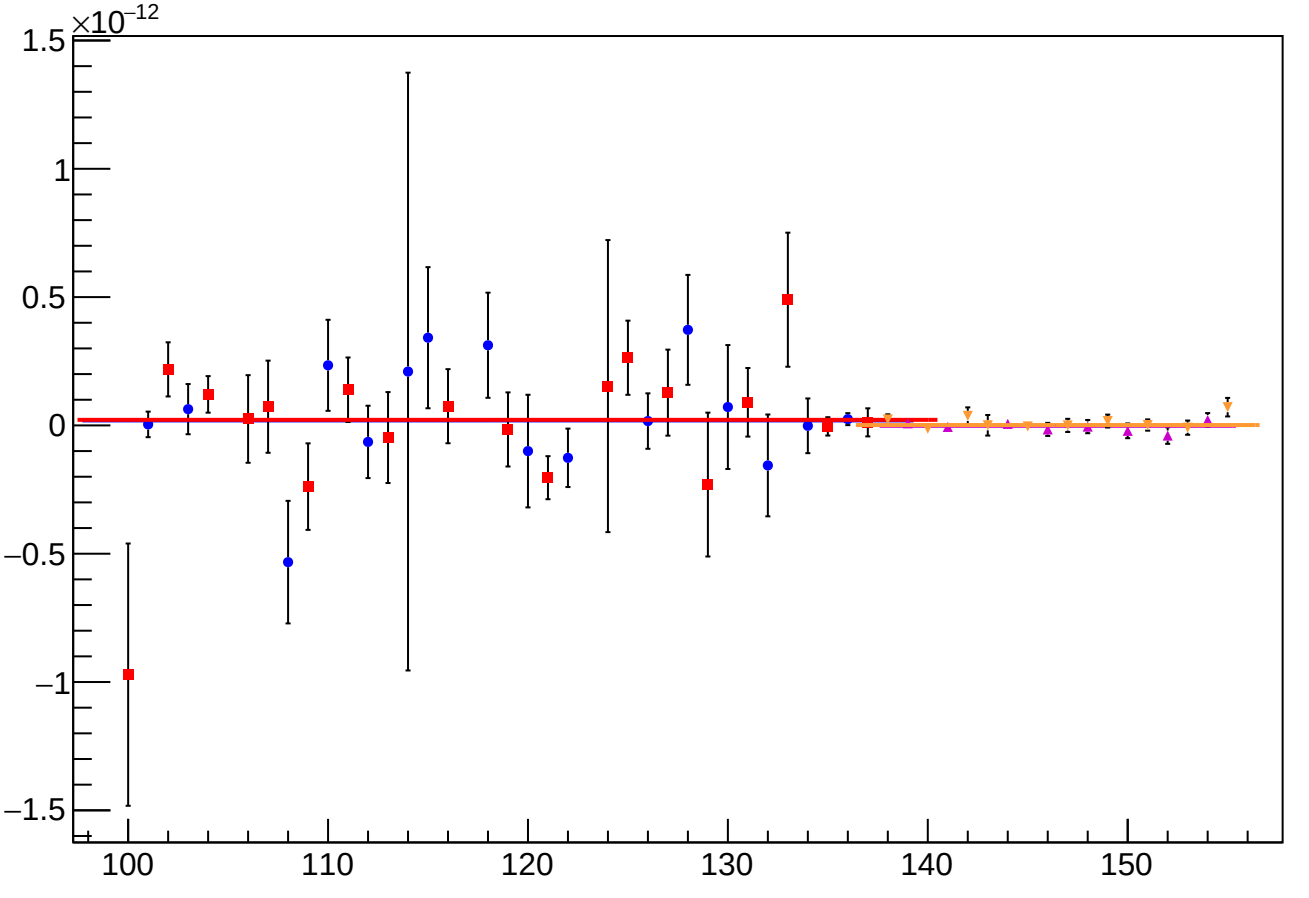
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1420.773+/-0.379 χ^2/NDF:6340.0/7

+ sign 1601.402+/-0.298 χ^2/NDF: 1160895.2/25

All: 1592.610+/-0.212 χ^2/NDF: 2189207.7/52

- sign 1583.619+/-0.301 χ^2/NDF: 1026547.7/26



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

Left Out: 0.000+/-0.000 χ^2/NDF:8.4/9

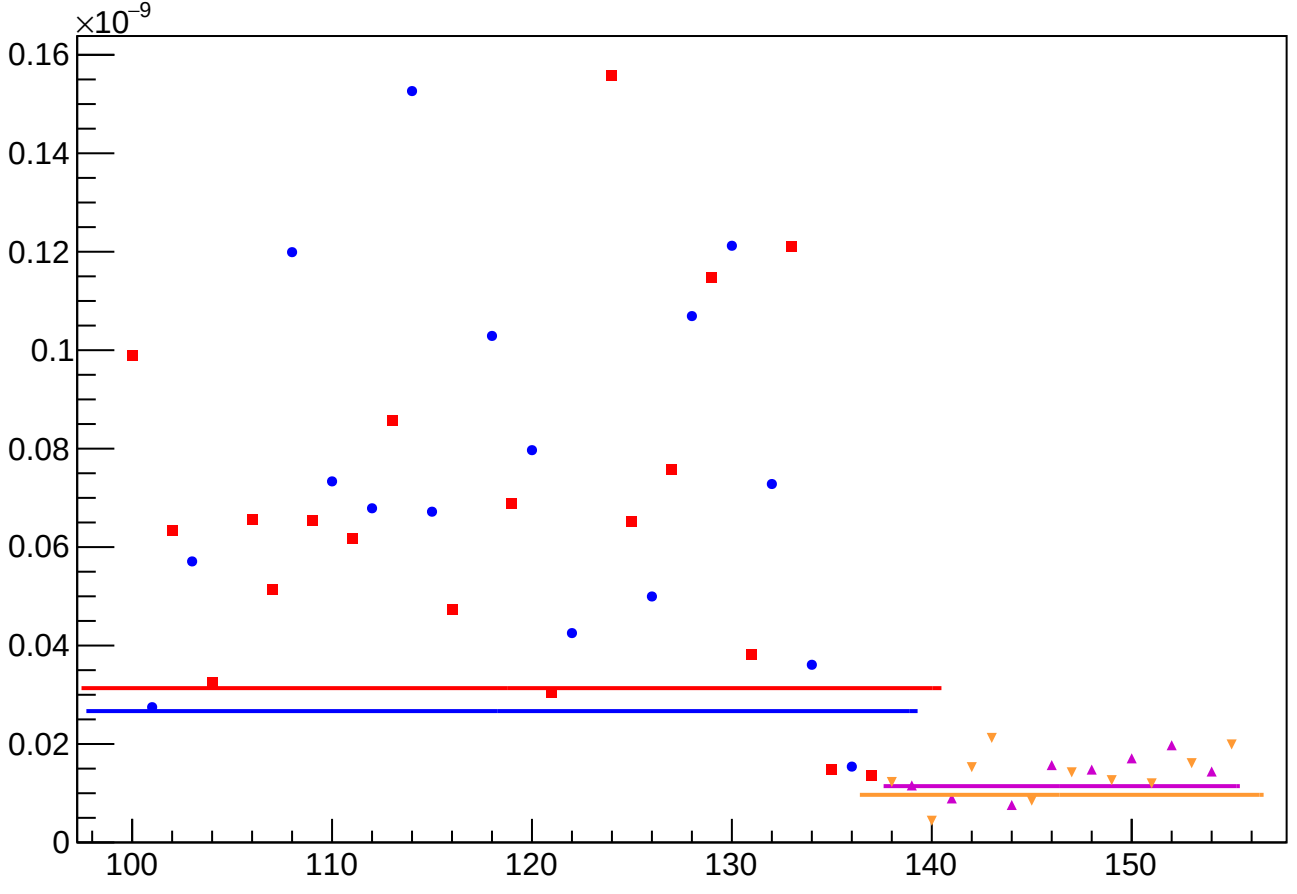
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/25

All: 0.000+/-0.000 χ^2/NDF: 58.5/52

- sign 0.000+/-0.000 χ^2/NDF: 32.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1135929.8/9

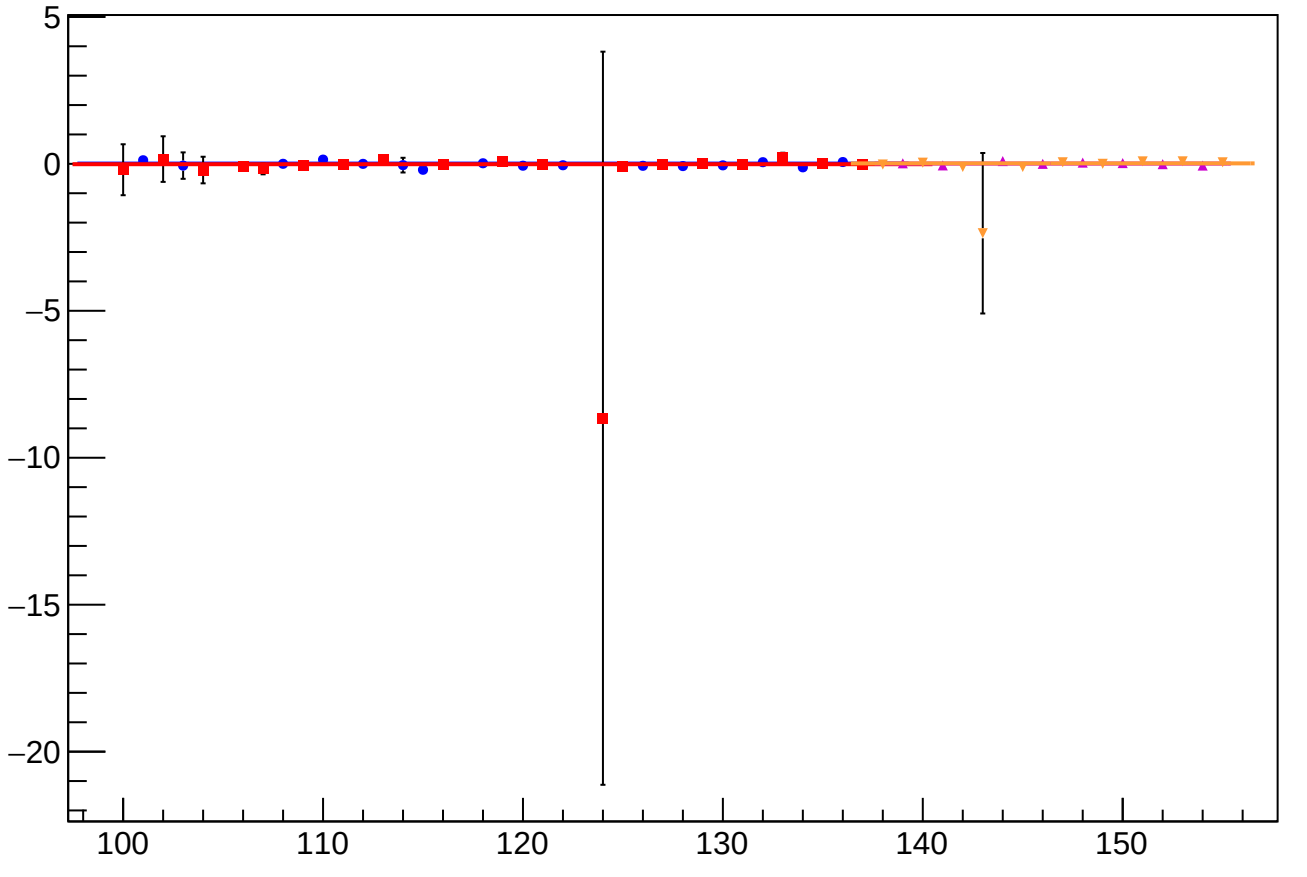
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:536561.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 5182315.9/25

All: 0.000+/-0.000 χ^2/NDF: 9520955.1/52

- sign 0.000+/-0.000 χ^2/NDF: 4252137.1/26



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

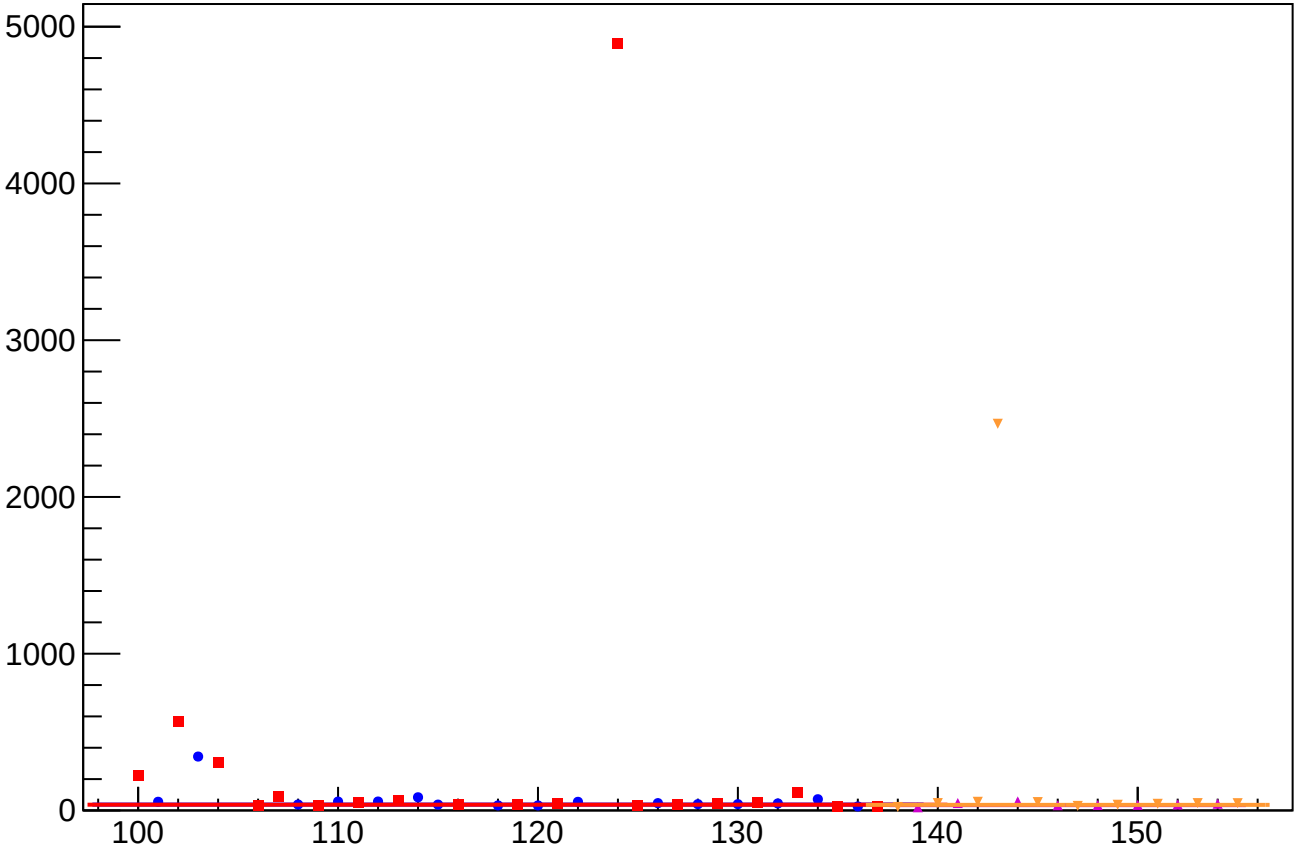
Left In: 0.009+/-0.014 χ^2/NDF:6.3/7

+ sign 0.012+/-0.011 χ^2/NDF: 33.6/25

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

- sign -0.000+/-0.011 χ^2/NDF: 19.8/26

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: 35.641+/-0.010 χ^2/NDF:2680727.1/9

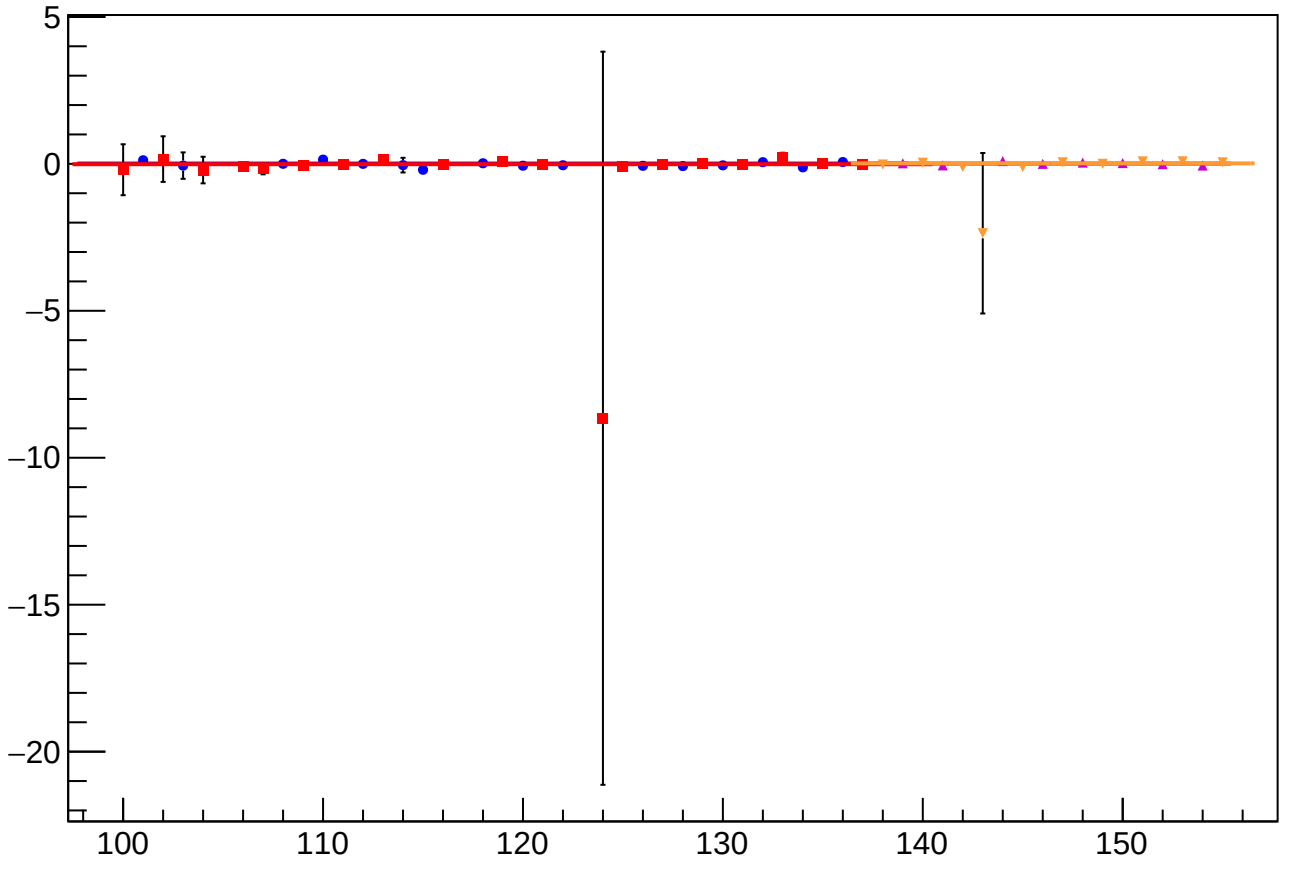
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.041+/-0.010 χ^2/NDF:1008115.1/7

+ sign 36.493+/-0.008 χ^2/NDF: 4678354.6/25

All: 35.848+/-0.005 χ^2/NDF: 8921913.8/52

- sign 35.207+/-0.008 χ^2/NDF: 4229605.0/26



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.016+/-0.015 χ^2/NDF:14.3/9

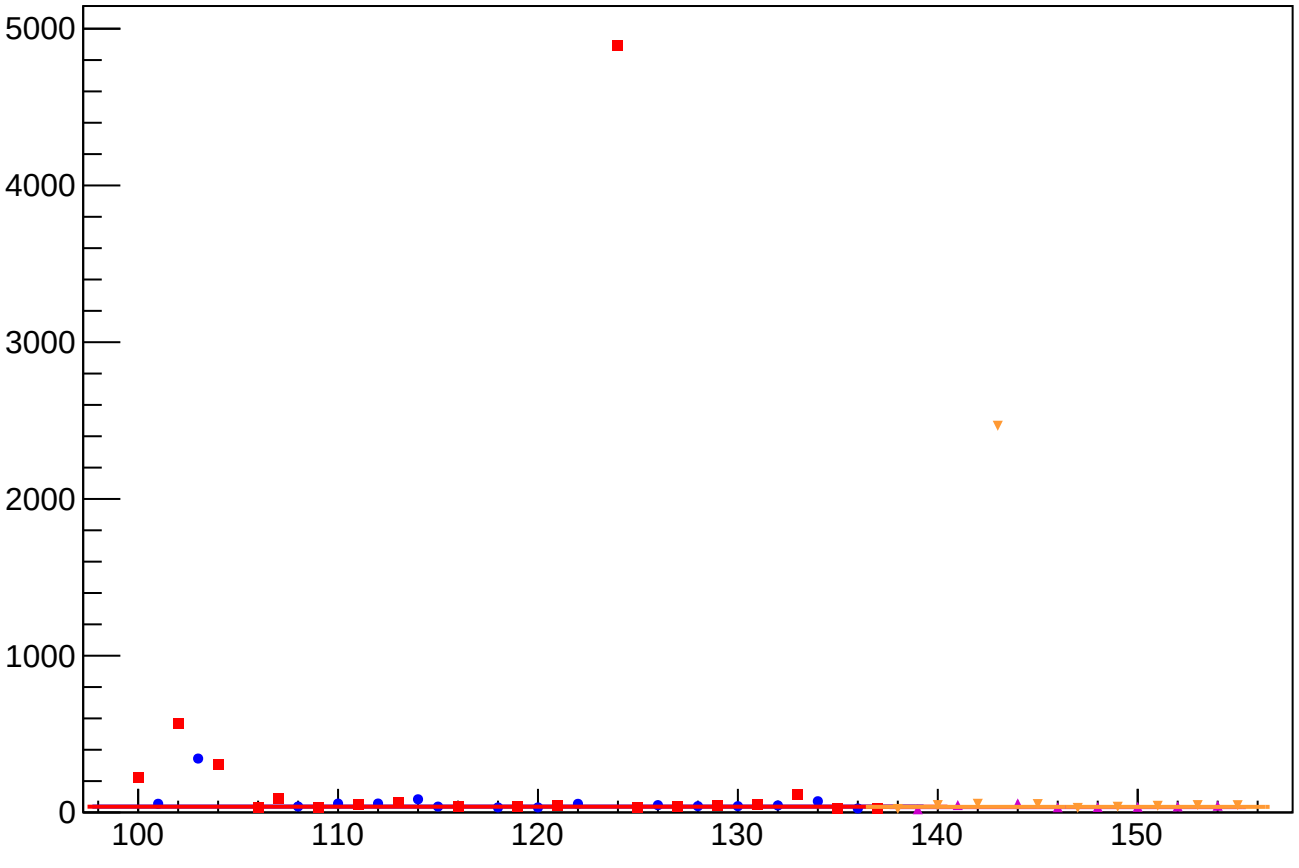
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.009+/-0.014 χ^2/NDF:6.3/7

+ sign 0.012+/-0.011 χ^2/NDF: 33.6/25

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

- sign -0.000+/-0.011 χ^2/NDF: 19.8/26



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 35.641+/-0.010 χ^2/NDF:2680727.1/9

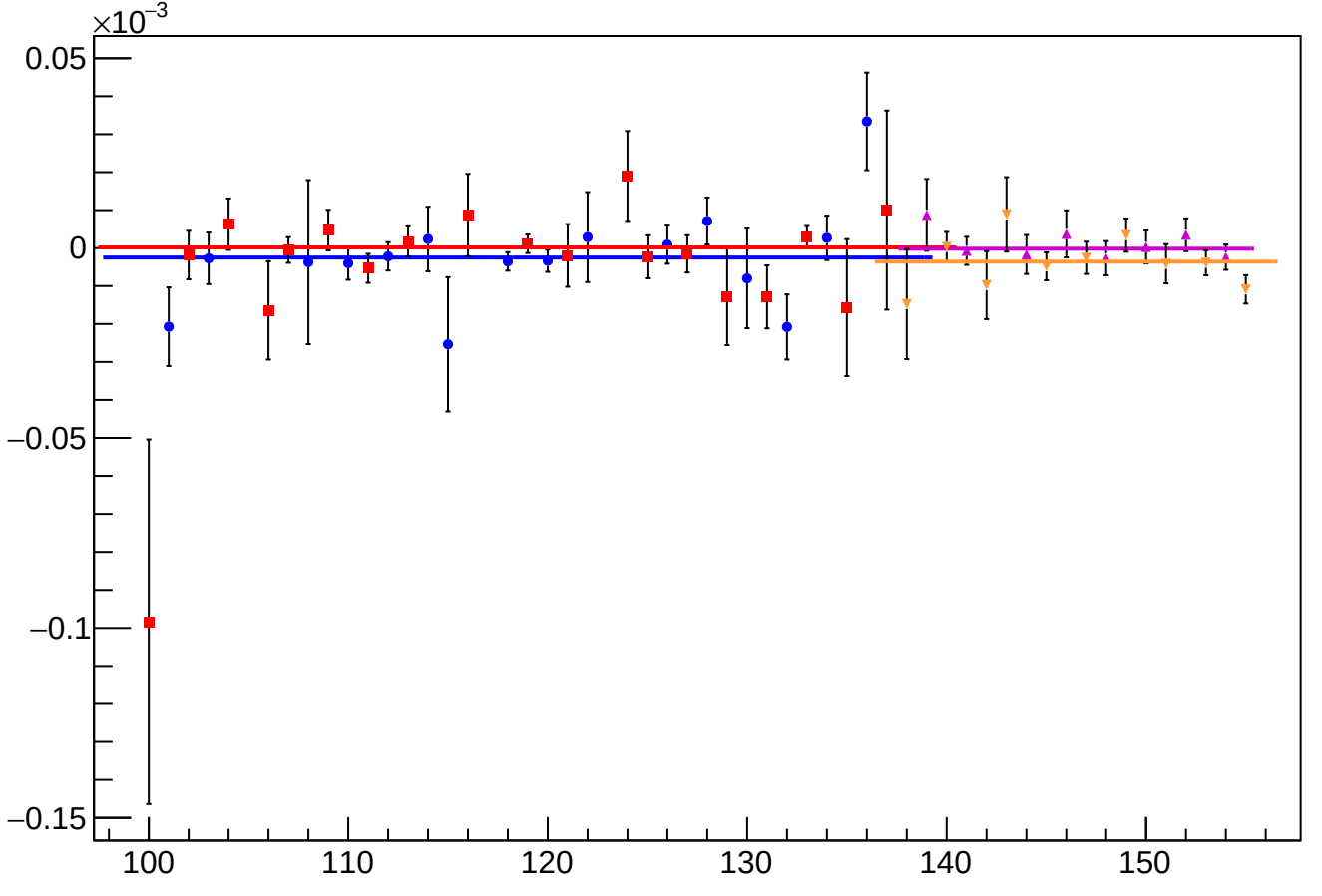
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.041+/-0.010 χ^2/NDF:1008115.1/7

\+ sign 36.493+/-0.008 χ^2/NDF: 4678354.6/25

All: 35.848+/-0.005 χ^2/NDF: 8921913.8/52

\- sign 35.207+/-0.008 χ^2/NDF: 4229605.0/26



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/9

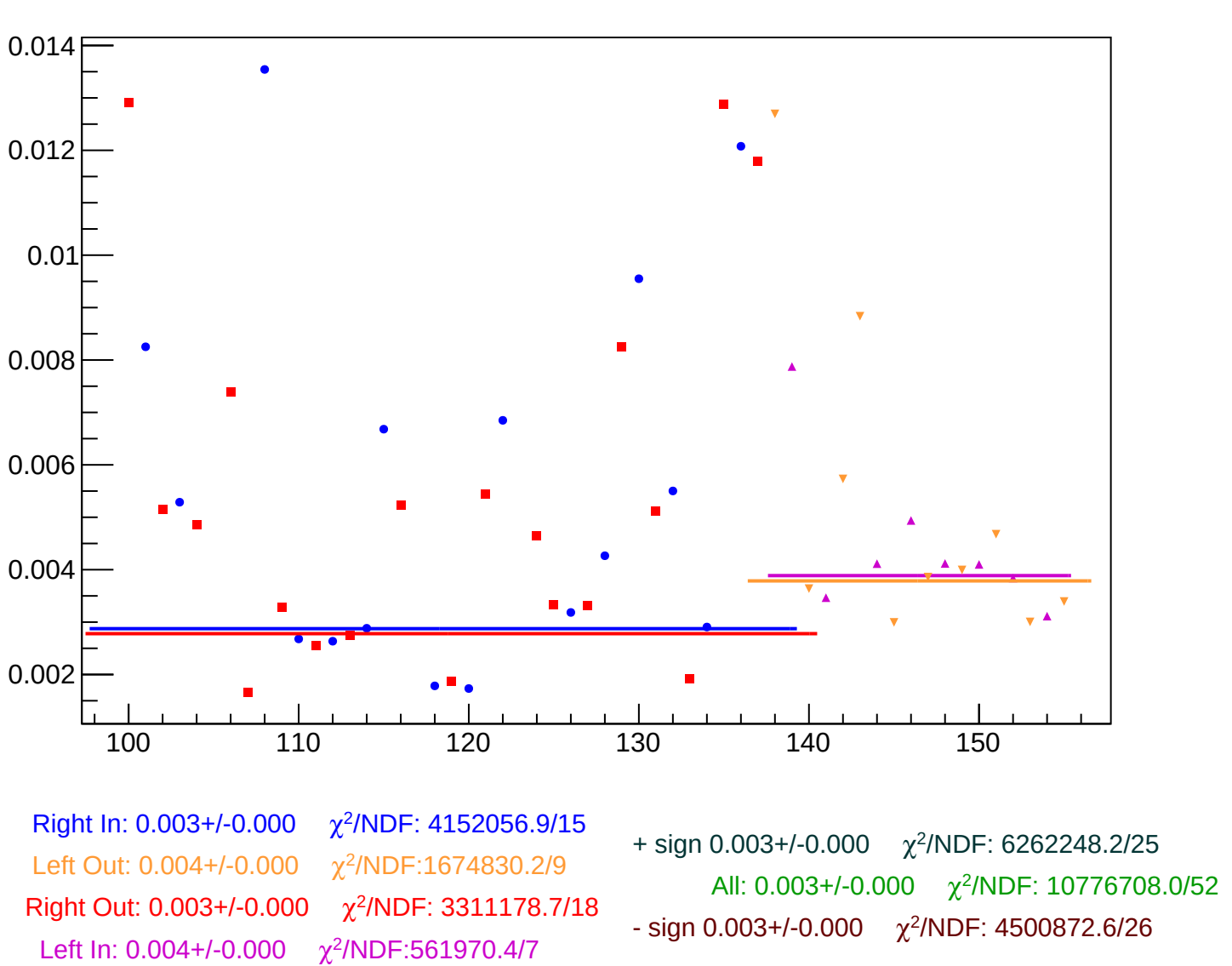
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

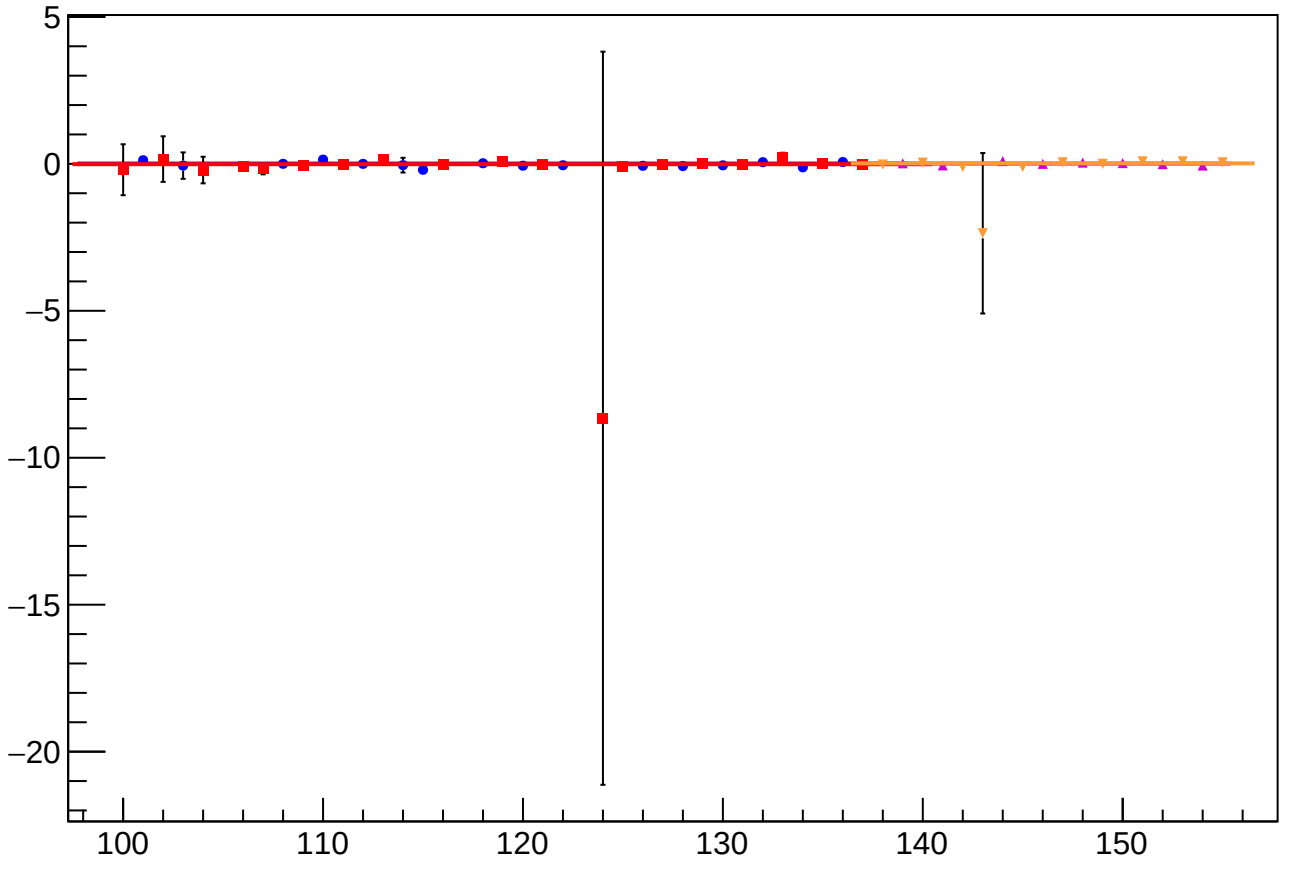
Left In: -0.000+/-0.000 χ^2/NDF:2.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/25

All: -0.000+/-0.000 χ^2/NDF: 59.1/52

- sign 0.000+/-0.000 χ^2/NDF: 21.8/26


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1674830.2/9
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:561970.4/7
+ sign 0.003+/-0.000 χ²/NDF: 6262248.2/25
All: 0.003+/-0.000 χ²/NDF: 10776708.0/52
- sign 0.003+/-0.000 χ²/NDF: 4500872.6/26



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

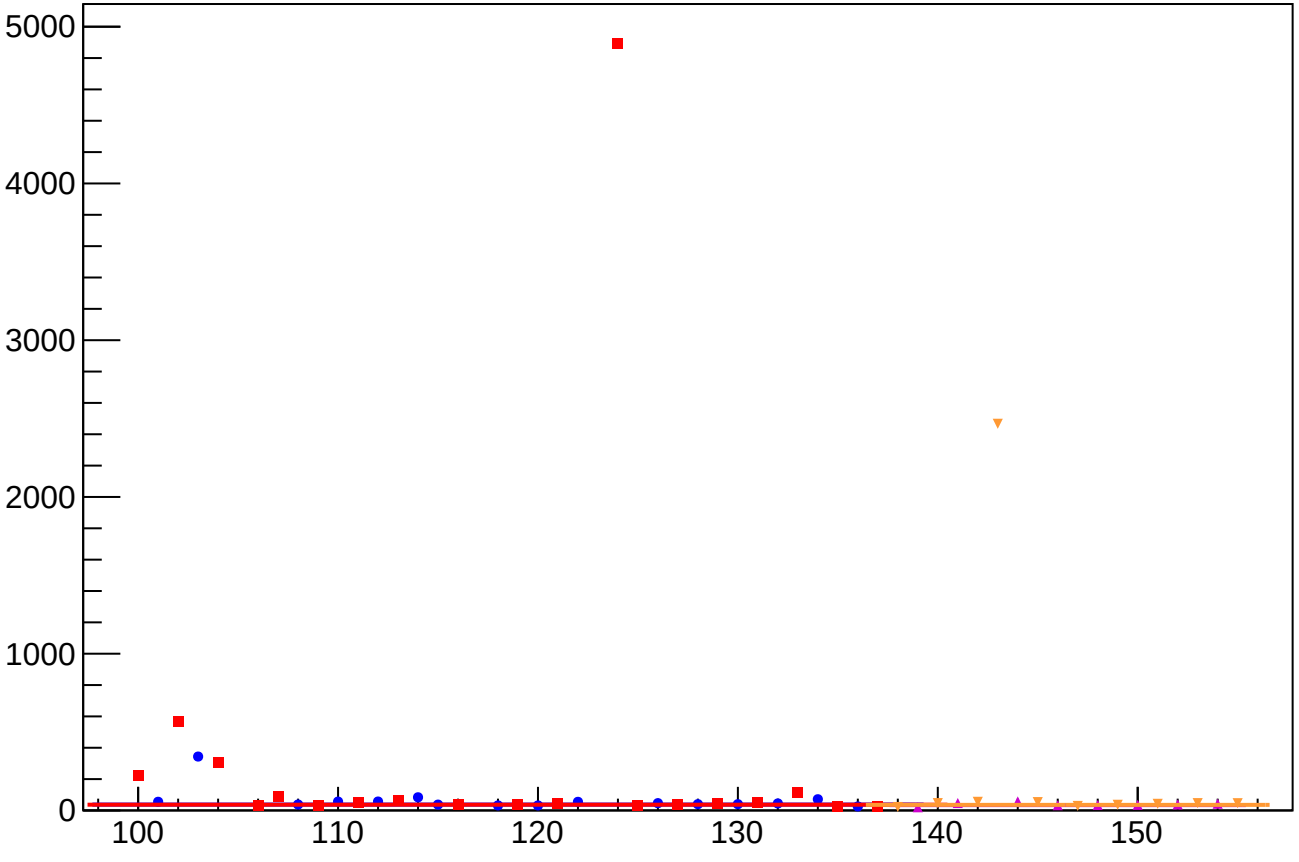
Left In: 0.009+/-0.014 χ^2/NDF:6.3/7

+ sign 0.012+/-0.011 χ^2/NDF: 33.6/25

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

- sign -0.000+/-0.011 χ^2/NDF: 19.8/26

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.639+/-0.010 χ^2/NDF:2681192.6/9

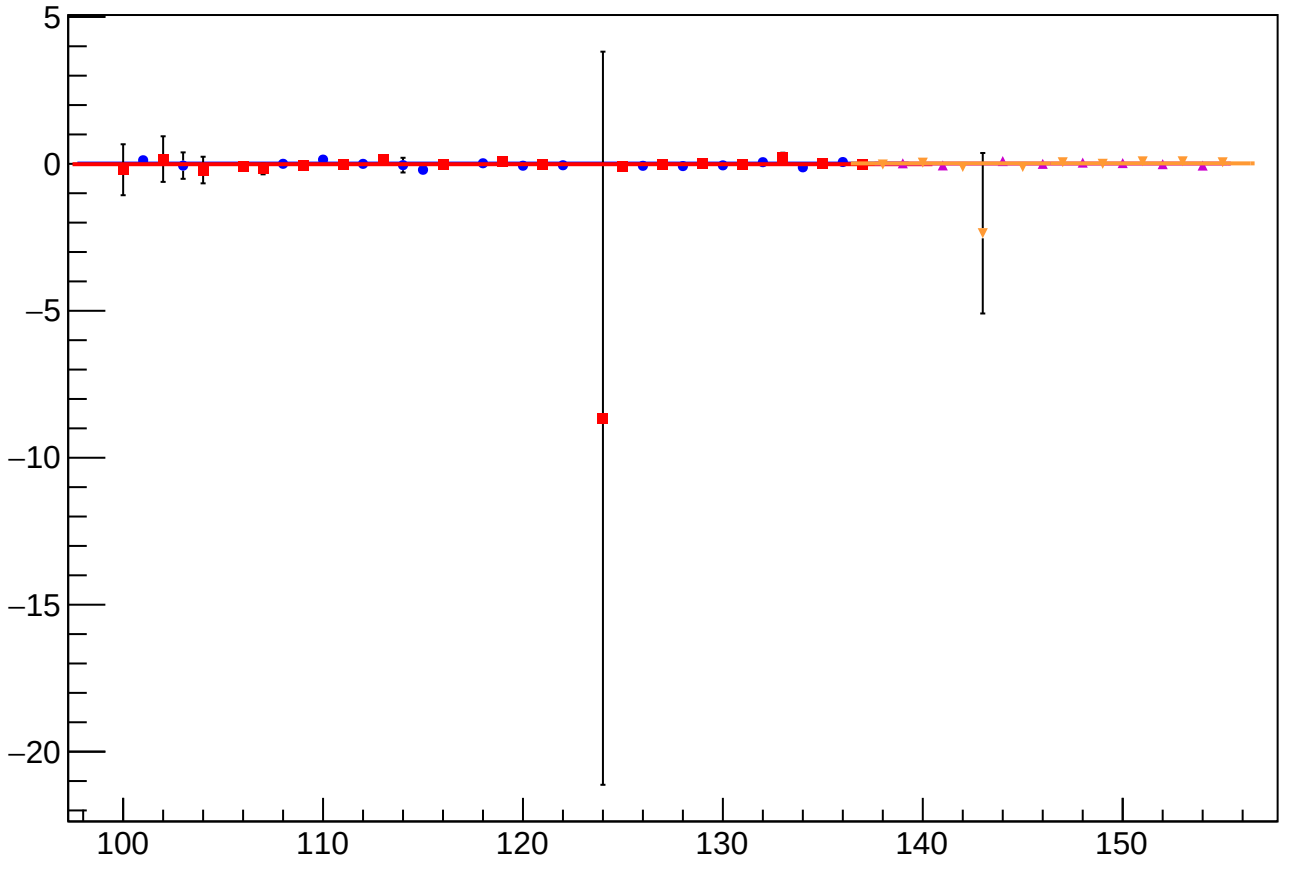
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.045+/-0.010 χ^2/NDF:1007221.1/7

+ sign 36.492+/-0.008 χ^2/NDF: 4678802.5/25

All: 35.849+/-0.005 χ^2/NDF: 8921028.5/52

- sign 35.210+/-0.008 χ^2/NDF: 4228362.9/26



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

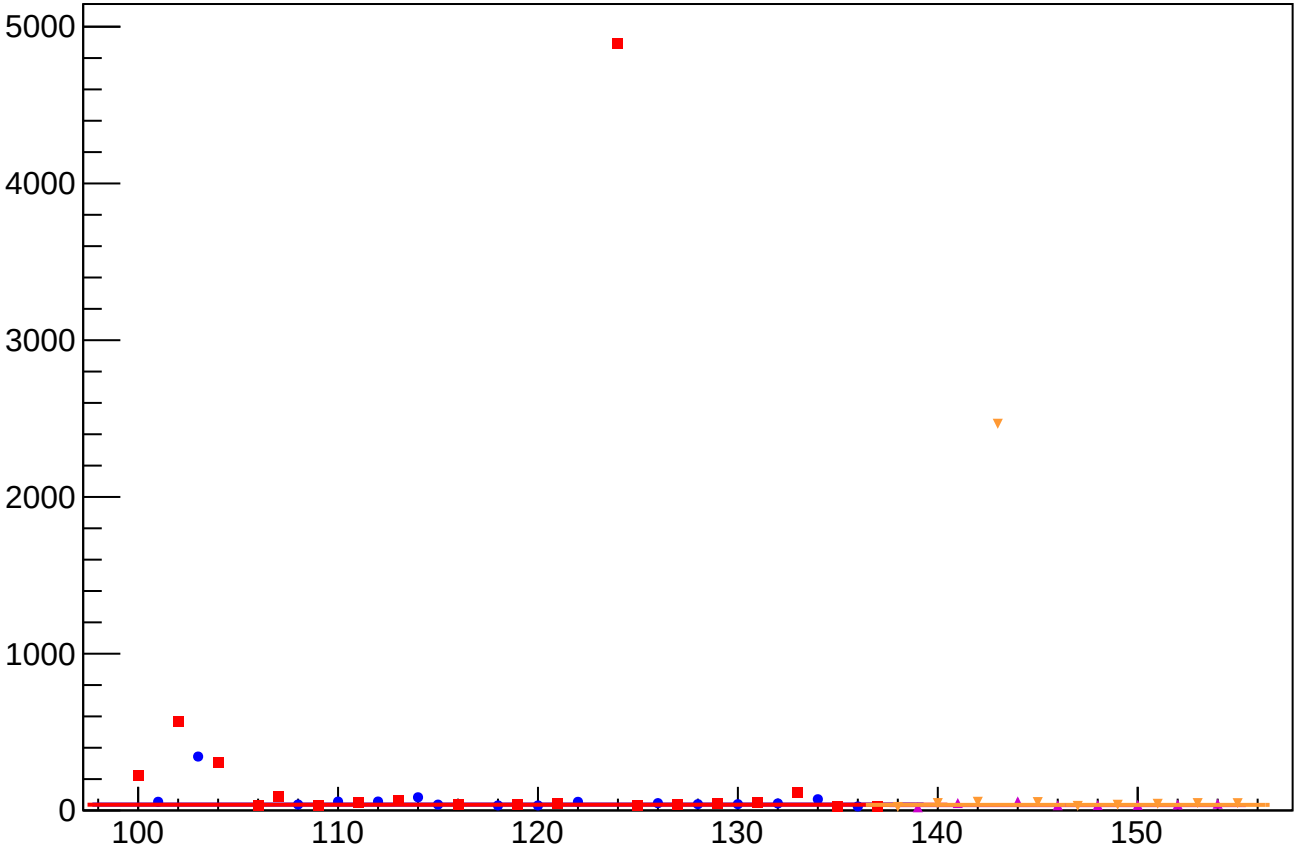
Left In: 0.009+/-0.014 χ^2/NDF:6.3/7

+ sign 0.012+/-0.011 χ^2/NDF: 33.6/25

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

- sign -0.000+/-0.011 χ^2/NDF: 19.8/26

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 35.639+/-0.010 χ^2/NDF:2681192.6/9

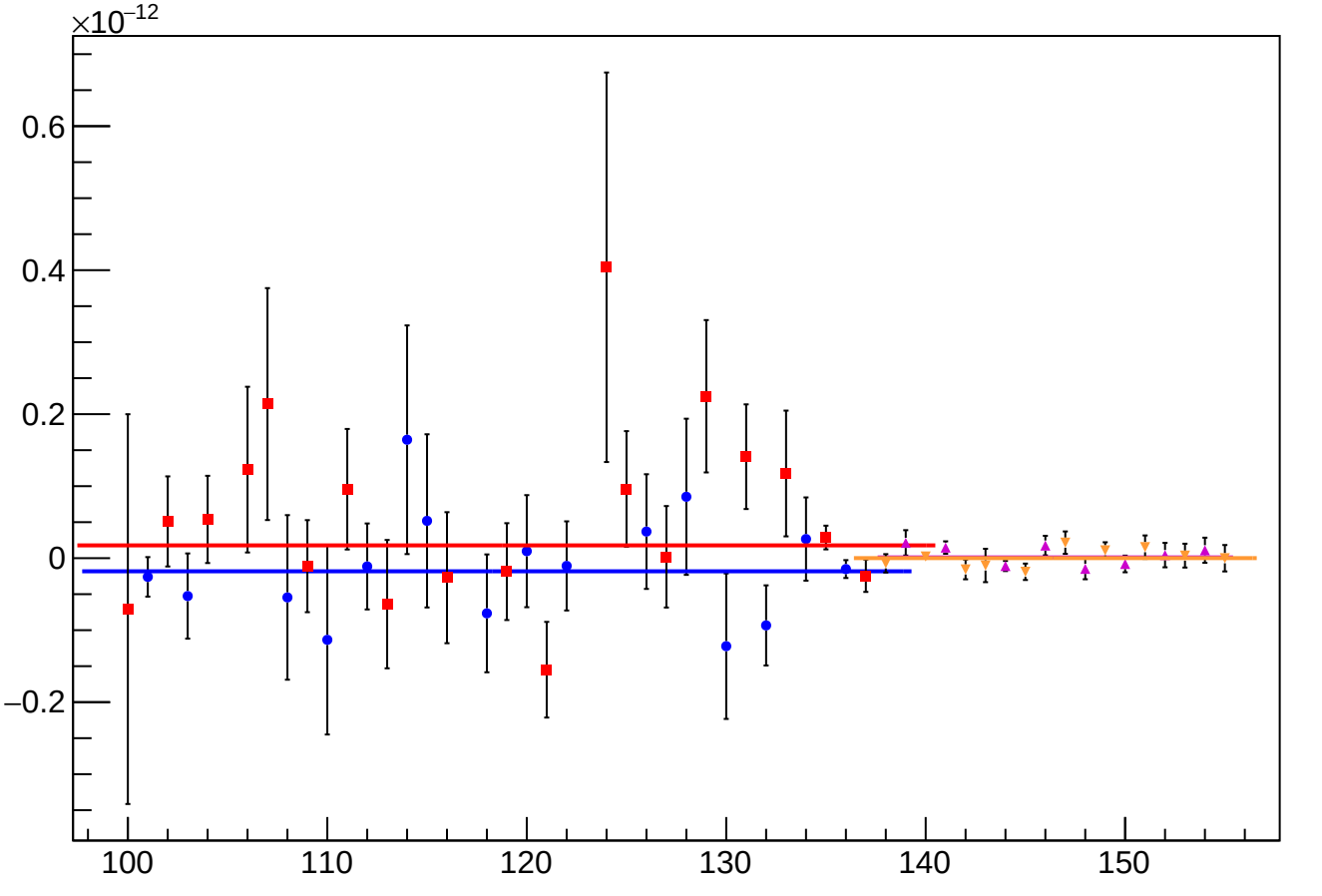
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.045+/-0.010 χ^2/NDF:1007221.1/7

+ sign 36.492+/-0.008 χ^2/NDF: 4678802.5/25

All: 35.849+/-0.005 χ^2/NDF: 8921028.5/52

- sign 35.210+/-0.008 χ^2/NDF: 4228362.9/26



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/9

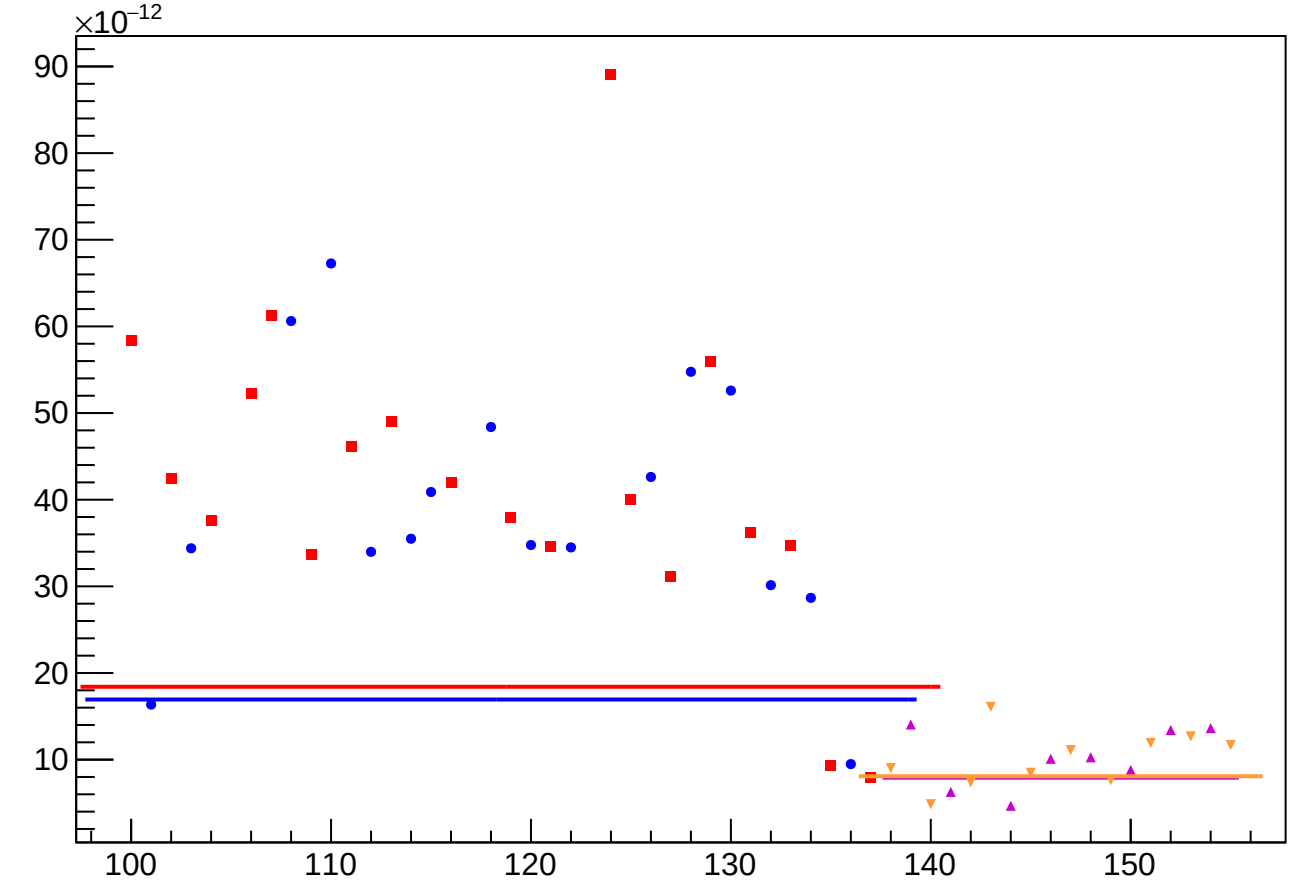
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 19.7/25

All: 0.000+/-0.000 χ^2/NDF: 60.4/52

- sign 0.000+/-0.000 χ^2/NDF: 39.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1135106.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

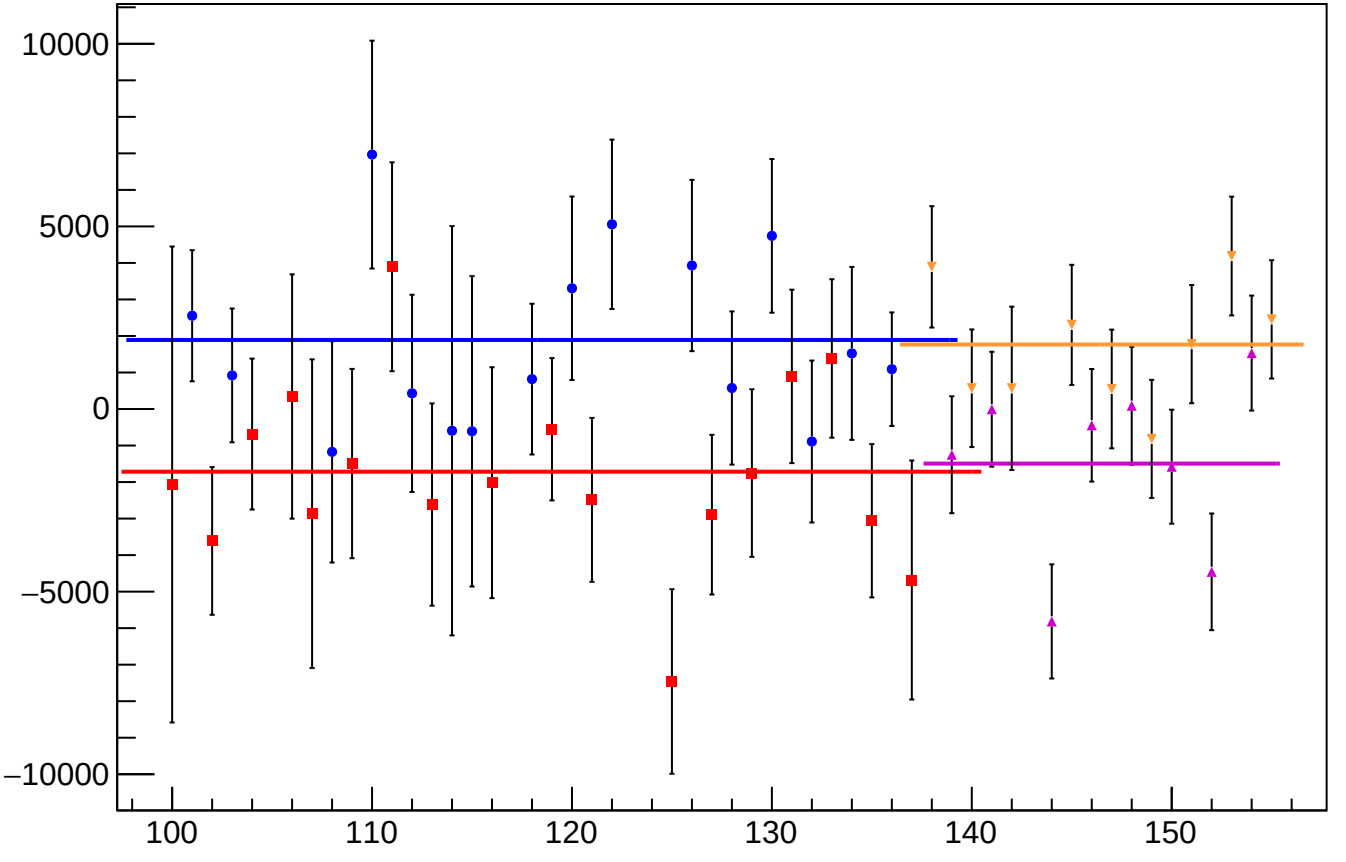
Left In: 0.000+/-0.000 χ^2/NDF:1283952.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 5723964.3/25

All: 0.000+/-0.000 χ^2/NDF: 12274351.0/52

- sign 0.000+/-0.000 χ^2/NDF: 6549317.2/26

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1766.319+/-557.263 χ^2/NDF:8.1/8

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

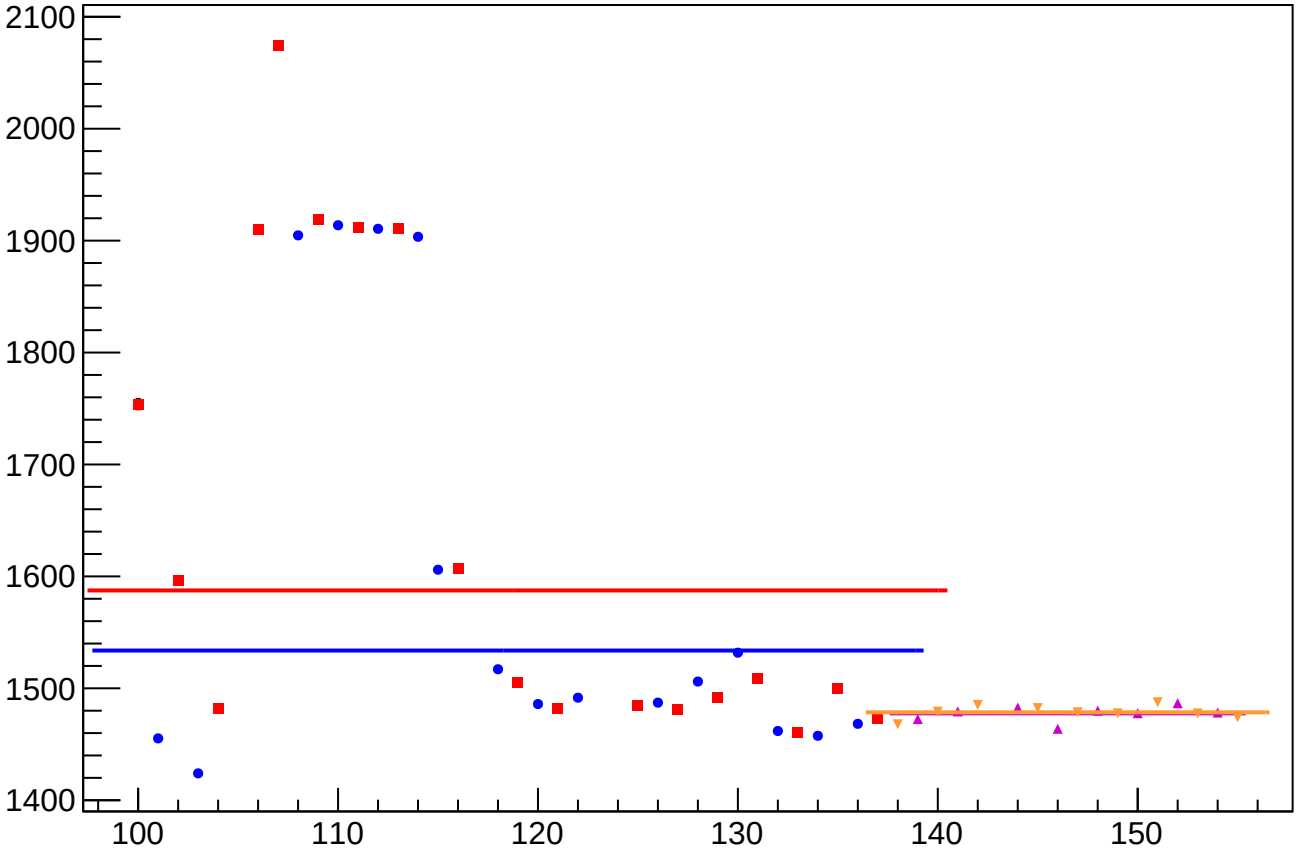
Left In: -1494.109+/-557.643 χ^2/NDF:17.1/7

+ sign 1827.229+/-399.236 χ^2/NDF: 20.4/24

All: 139.222+/-284.358 χ^2/NDF: 89.8/50

- sign -1598.851+/-405.113 χ^2/NDF: 33.2/25

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1478.555+/-0.394 χ^2/NDF:189.5/8

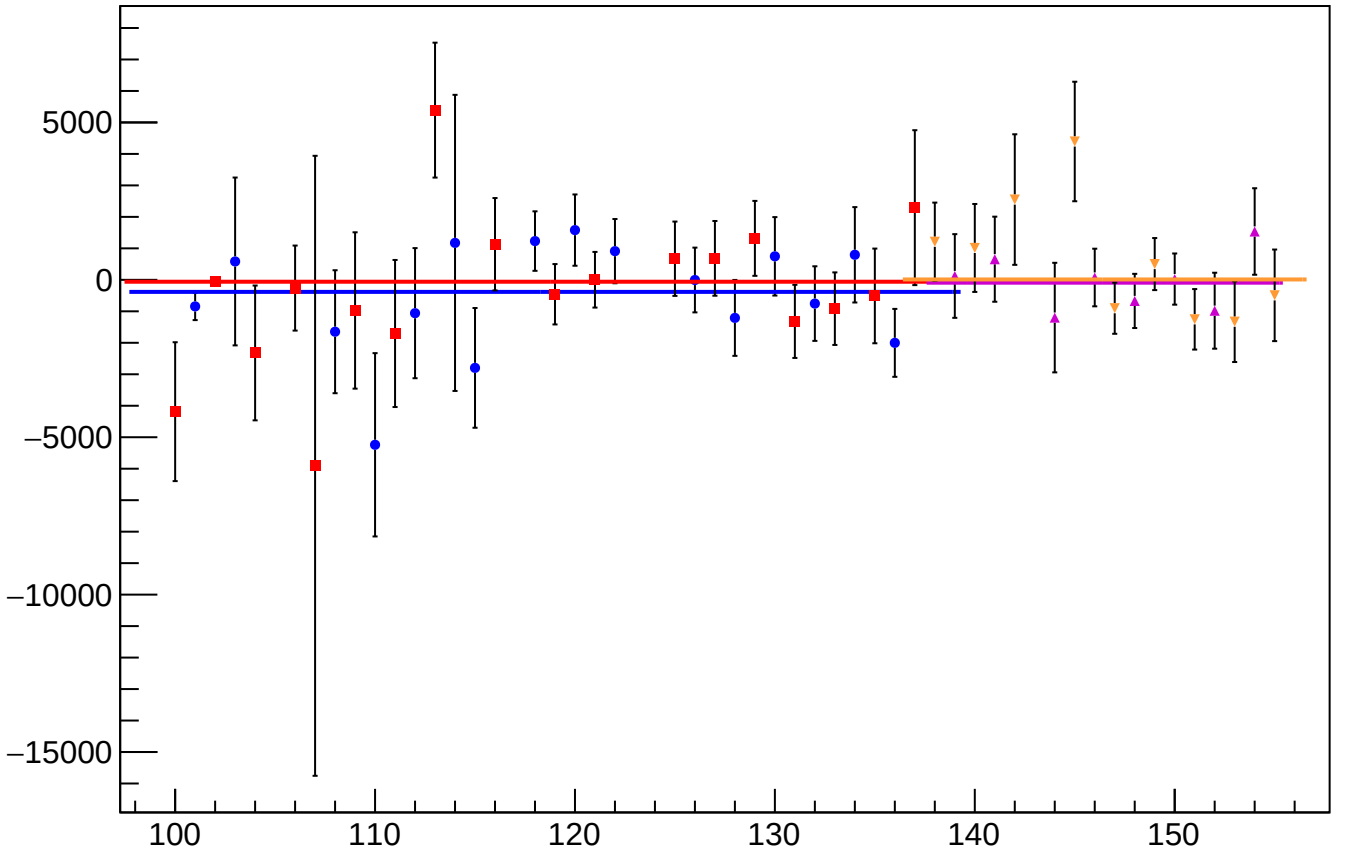
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1477.610+/-0.394 χ^2/NDF:272.6/7

+ sign 1505.431+/-0.282 χ^2/NDF: 139018.4/24

All: 1517.282+/-0.201 χ^2/NDF: 351507.6/50

- sign 1529.486+/-0.286 χ^2/NDF: 208911.8/25



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 11.902+/-383.150 χ^2/NDF:12.8/8

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

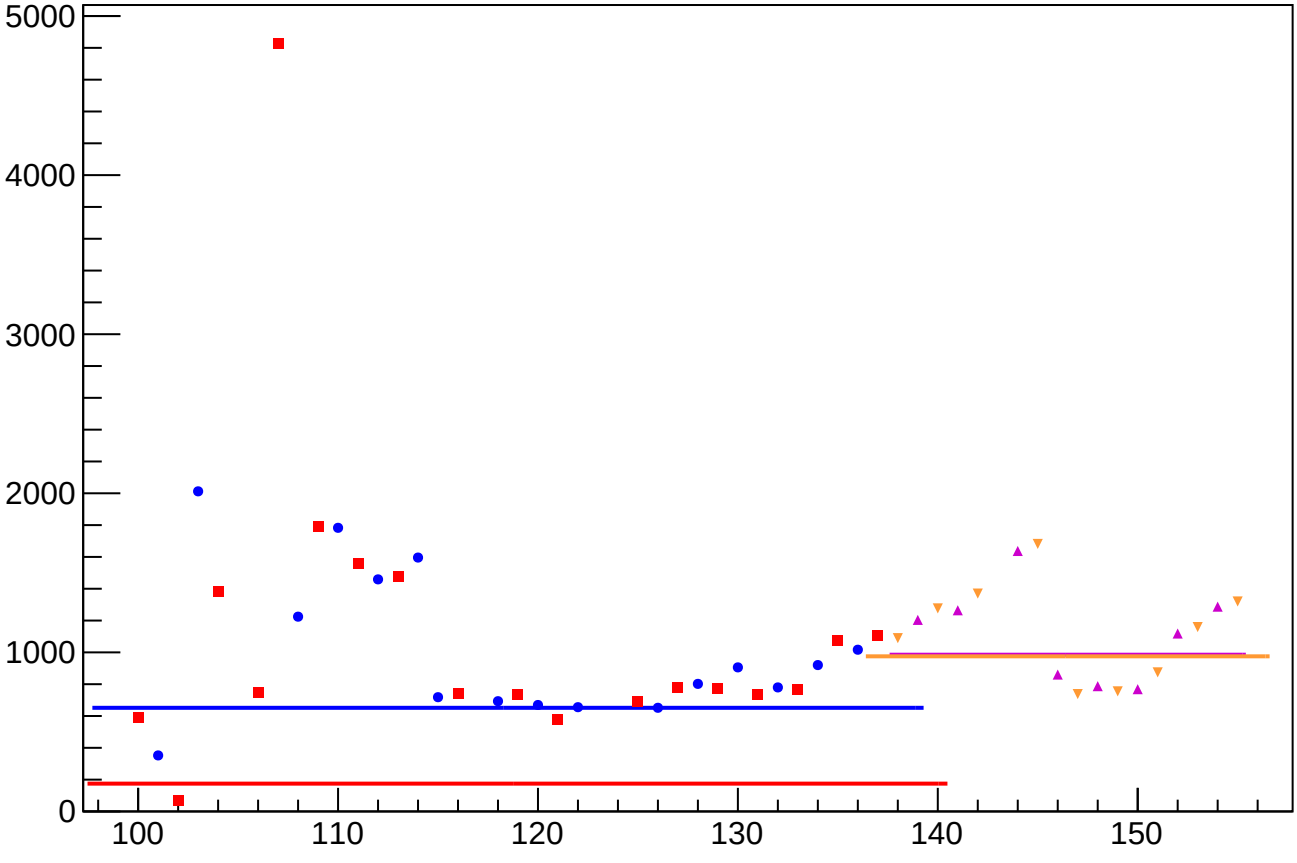
Left In: -90.527+/-385.836 χ^2/NDF:3.2/7

\+ sign -250.395+/-221.907 χ^2/NDF: 31.7/24

All: -106.065+/-106.391 χ^2/NDF: 53.3/50

\- sign -62.987+/-121.233 χ^2/NDF: 21.0/25

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 975.148+/-0.271 χ^2/NDF:947454.3/8

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

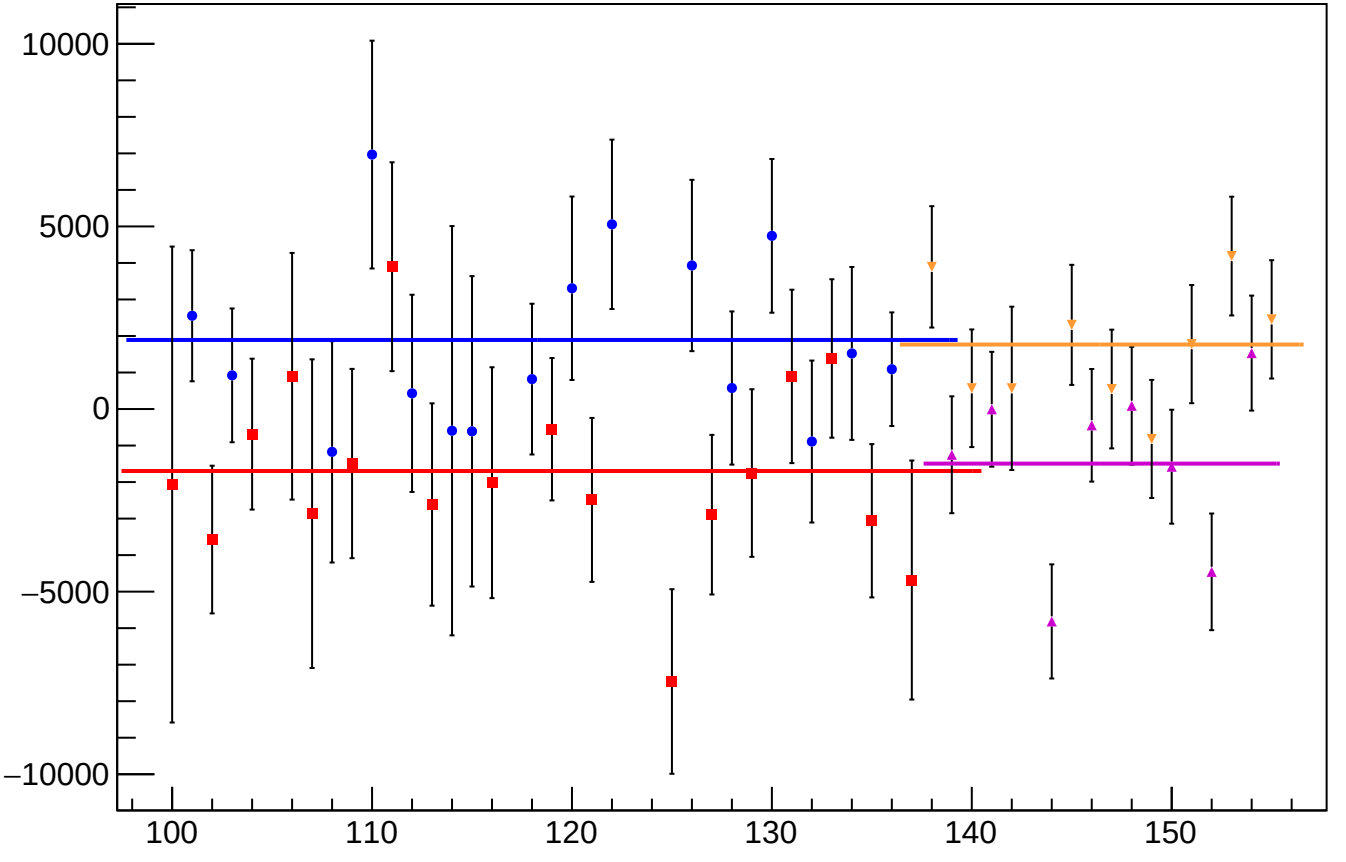
Left In: 985.308+/-0.273 χ^2/NDF:826401.6/7

+ sign 760.078+/-0.157 χ^2/NDF: 4658347.3/24

All: 371.027+/-0.075 χ^2/NDF: 31180593.4/50

- sign 254.908+/-0.086 χ^2/NDF: 18539903.5/25

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1766.231+/-557.263 χ^2/NDF:8.1/8

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

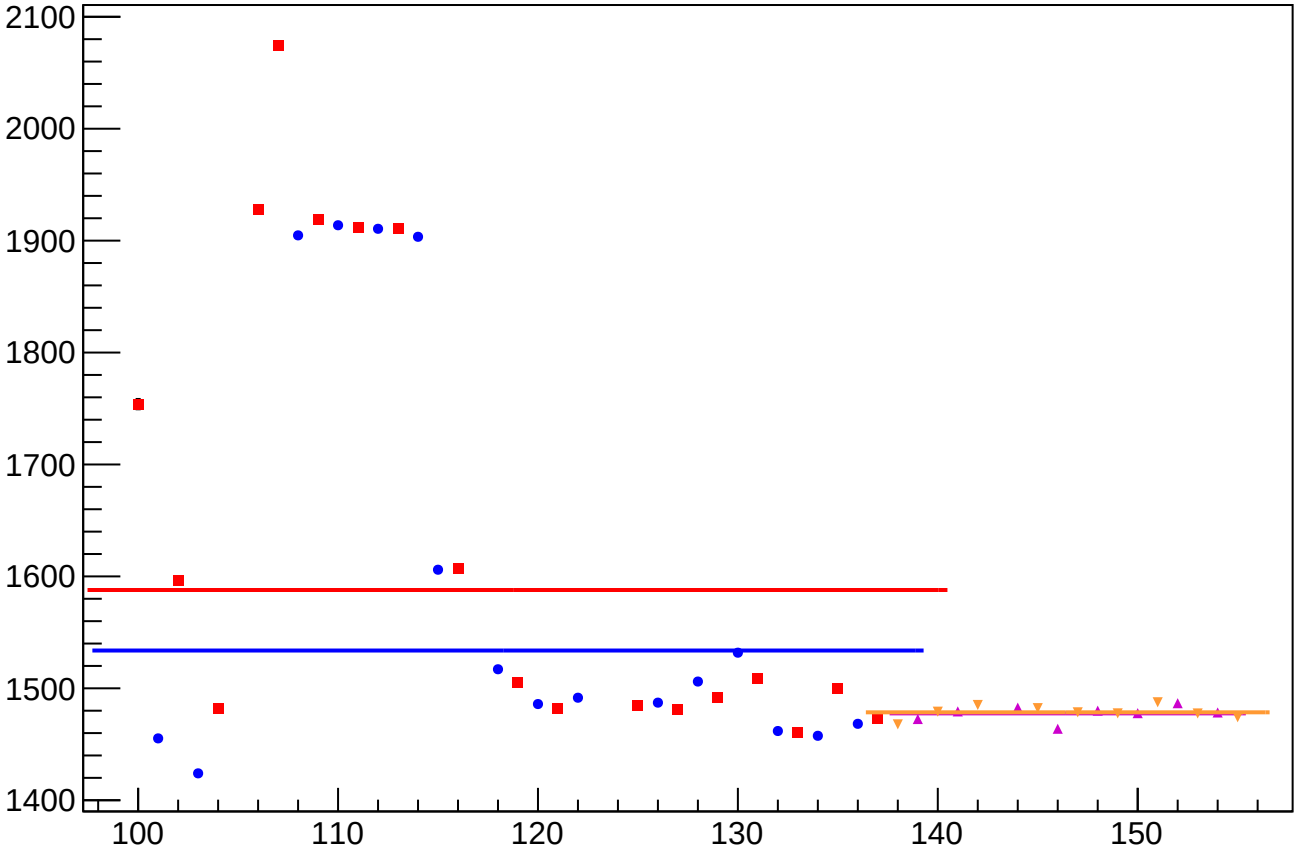
Left In: -1494.300+/-557.643 χ^2/NDF:17.1/7

+ sign 1827.234+/-399.236 χ^2/NDF: 20.4/24

All: 143.841+/-284.378 χ^2/NDF: 89.8/50

- sign -1589.985+/-405.172 χ^2/NDF: 33.4/25

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.555+/-0.394 χ^2/NDF:189.5/8

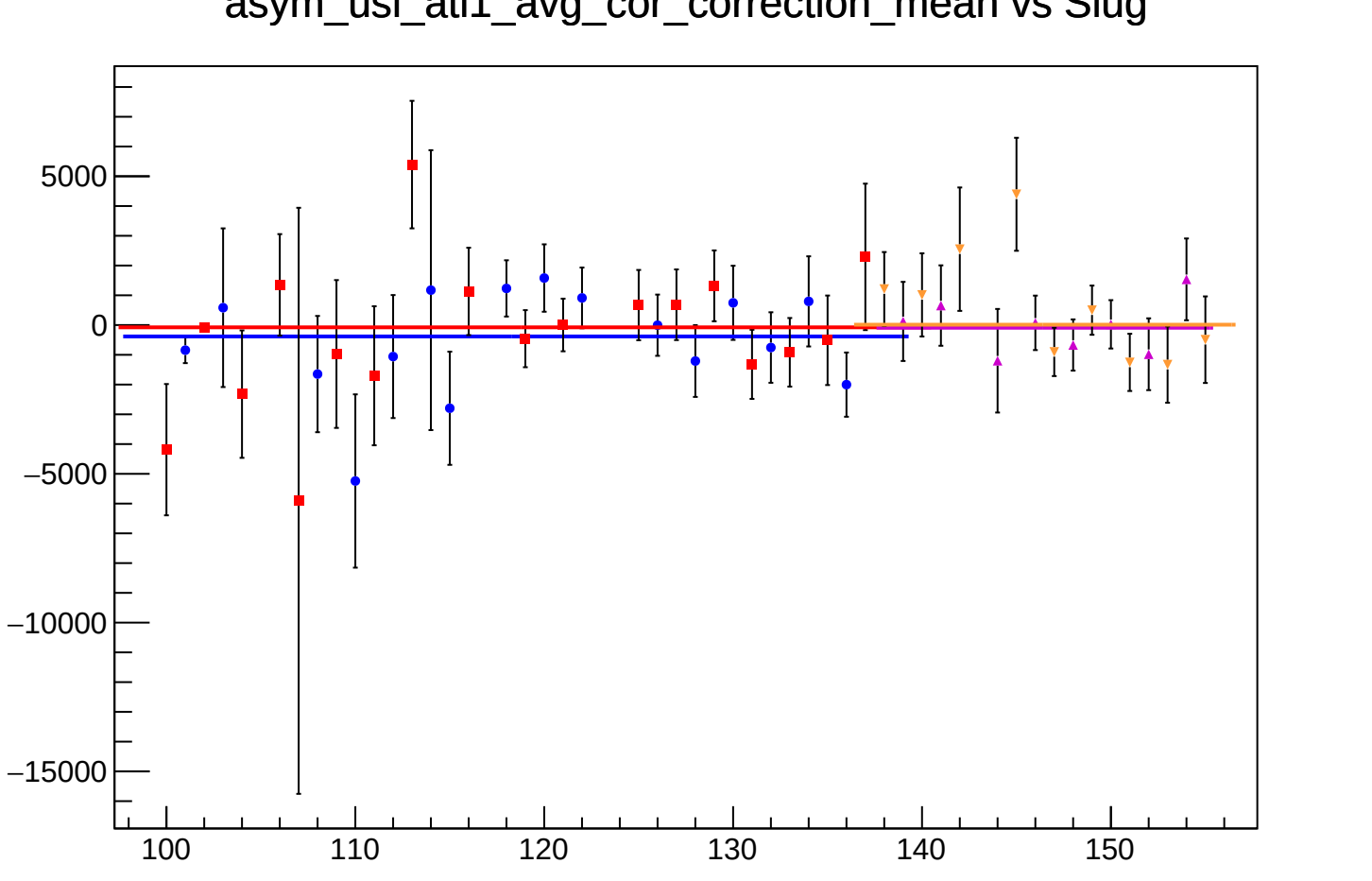
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.610+/-0.394 χ^2/NDF:272.6/7

+ sign 1505.431+/-0.282 χ^2/NDF: 139018.3/24

All: 1517.362+/-0.201 χ^2/NDF: 353580.2/50

- sign 1529.651+/-0.286 χ^2/NDF: 210935.8/25



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 11.723+/-383.153 χ^2/NDF:12.8/8

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

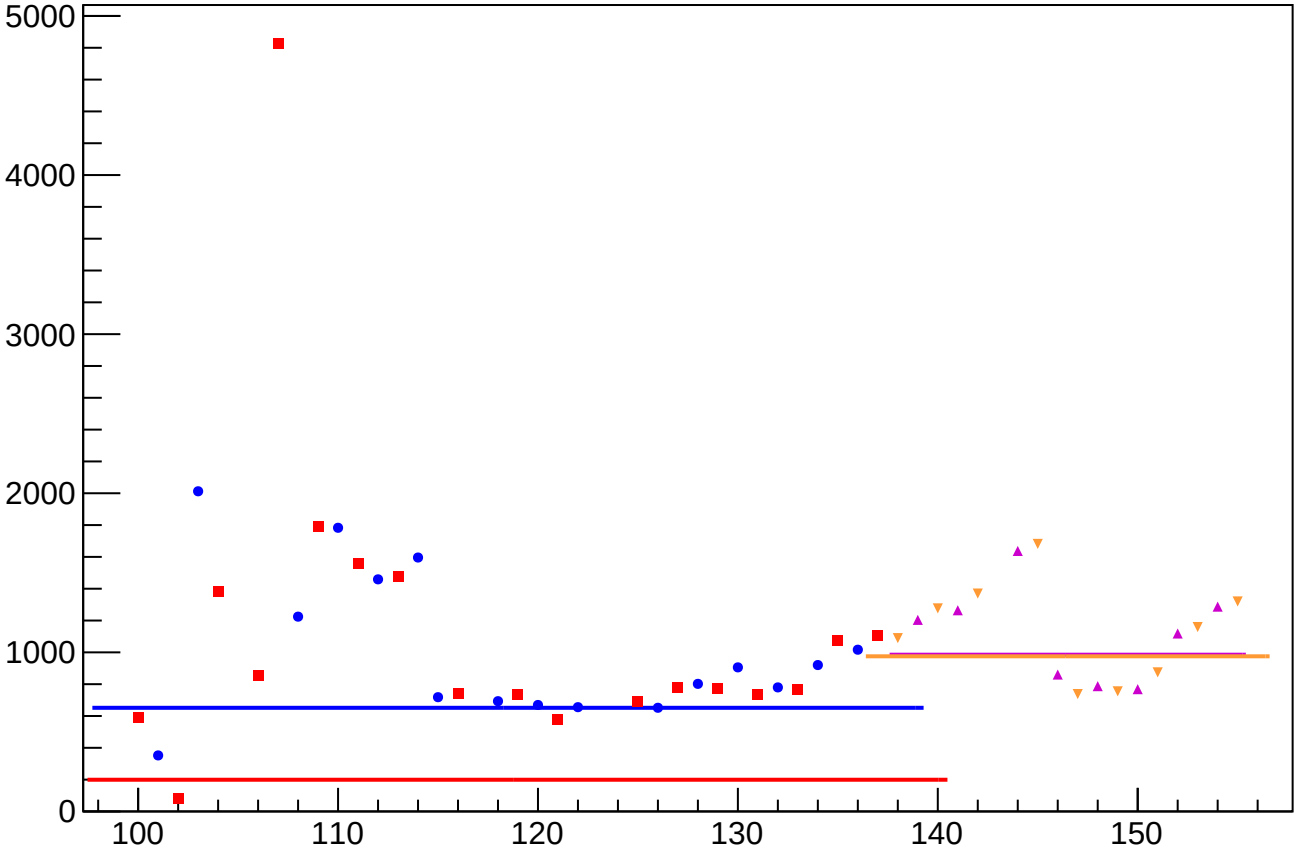
Left In: -90.621+/-385.835 χ^2/NDF:3.2/7

+ sign -250.440+/-221.908 χ^2/NDF: 31.7/24

All: -122.332+/-112.204 χ^2/NDF: 53.9/50

- sign -78.330+/-130.053 χ^2/NDF: 21.7/25

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 975.157+/-0.271 χ^2/NDF:947430.4/8

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

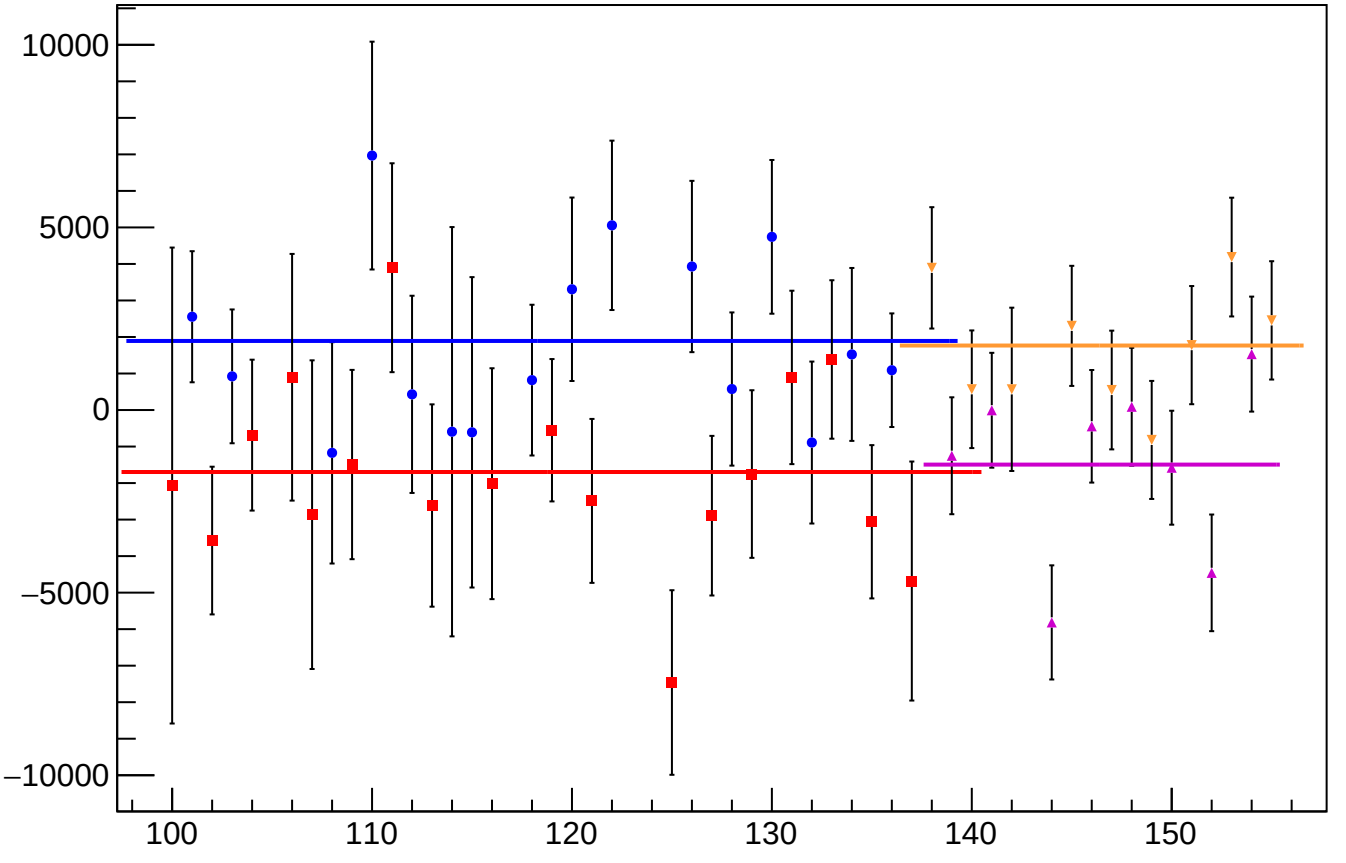
Left In: 985.306+/-0.273 χ^2/NDF:826439.8/7

+ sign 760.078+/-0.157 χ^2/NDF: 4658401.0/24

All: 409.170+/-0.079 χ^2/NDF: 28844755.9/50

- sign 288.641+/-0.092 χ^2/NDF: 17467401.4/25

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1766.231+/-557.263 χ^2/NDF:8.1/8

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

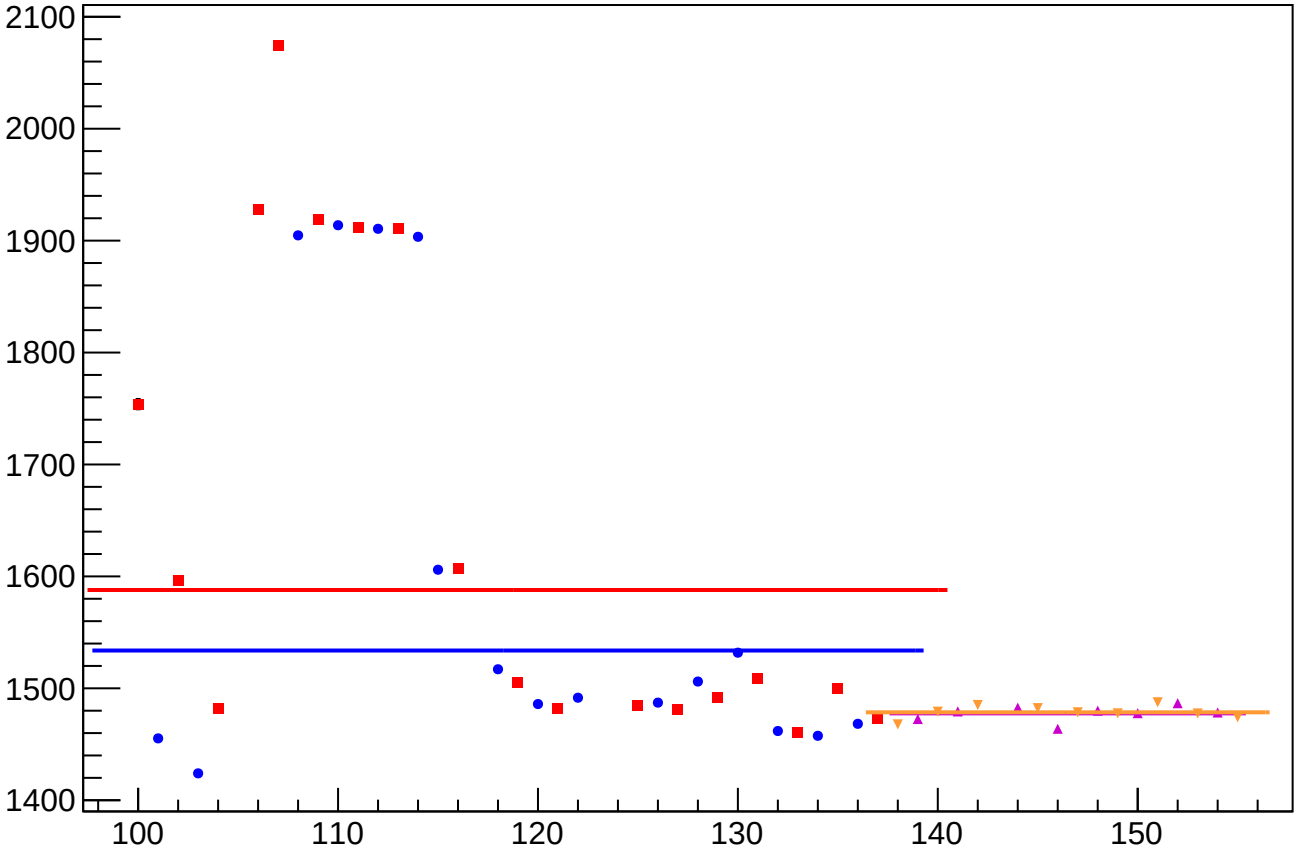
Left In: -1494.300+/-557.643 χ^2/NDF:17.1/7

+ sign 1827.234+/-399.236 χ^2/NDF: 20.4/24

All: 143.841+/-284.378 χ^2/NDF: 89.8/50

- sign -1589.985+/-405.172 χ^2/NDF: 33.4/25

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.555+/-0.394 χ^2/NDF:189.5/8

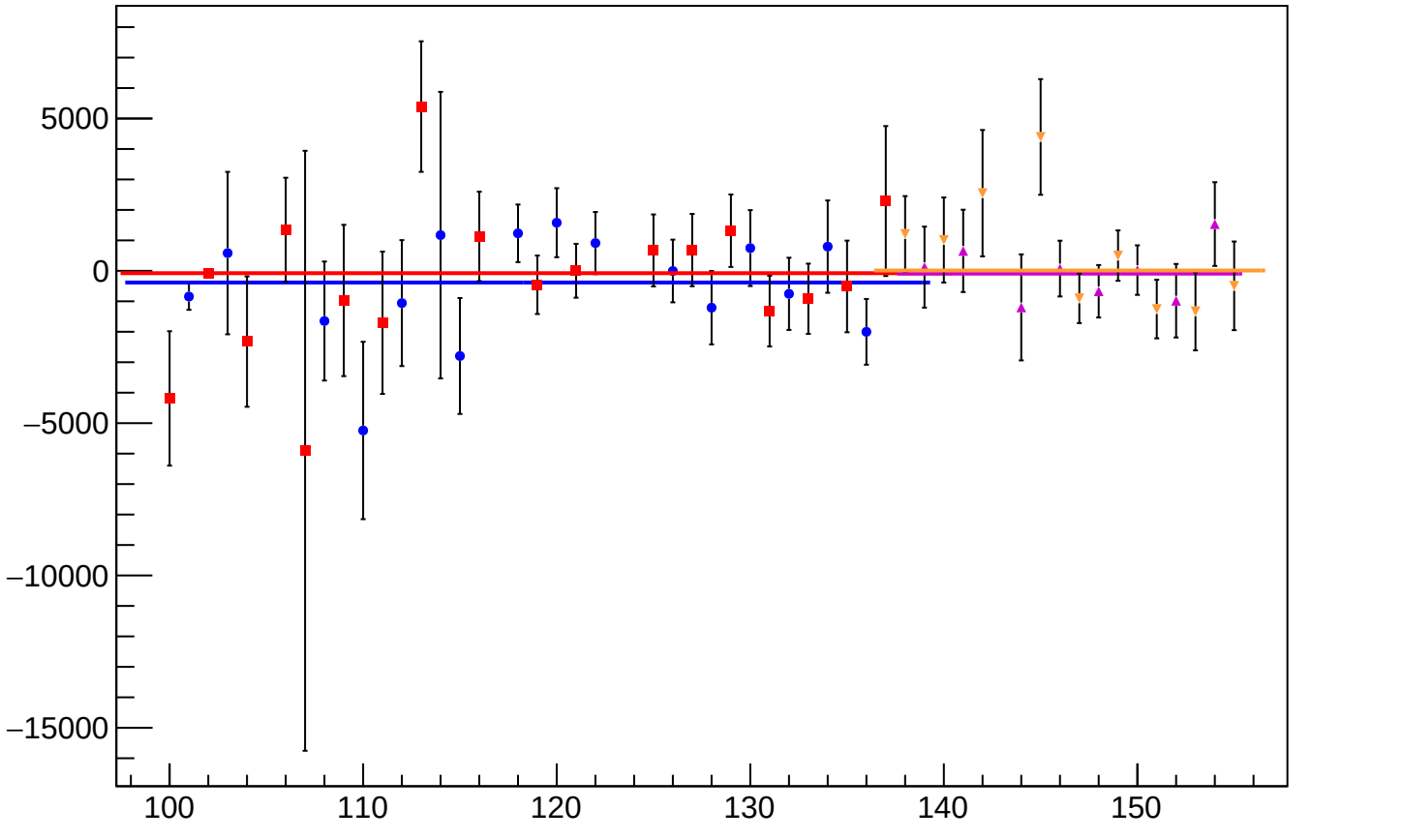
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.610+/-0.394 χ^2/NDF:272.6/7

+ sign 1505.431+/-0.282 χ^2/NDF: 139018.3/24

All: 1517.362+/-0.201 χ^2/NDF: 353580.2/50

- sign 1529.651+/-0.286 χ^2/NDF: 210935.8/25



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 11.723+/-383.153 χ^2/NDF:12.8/8

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

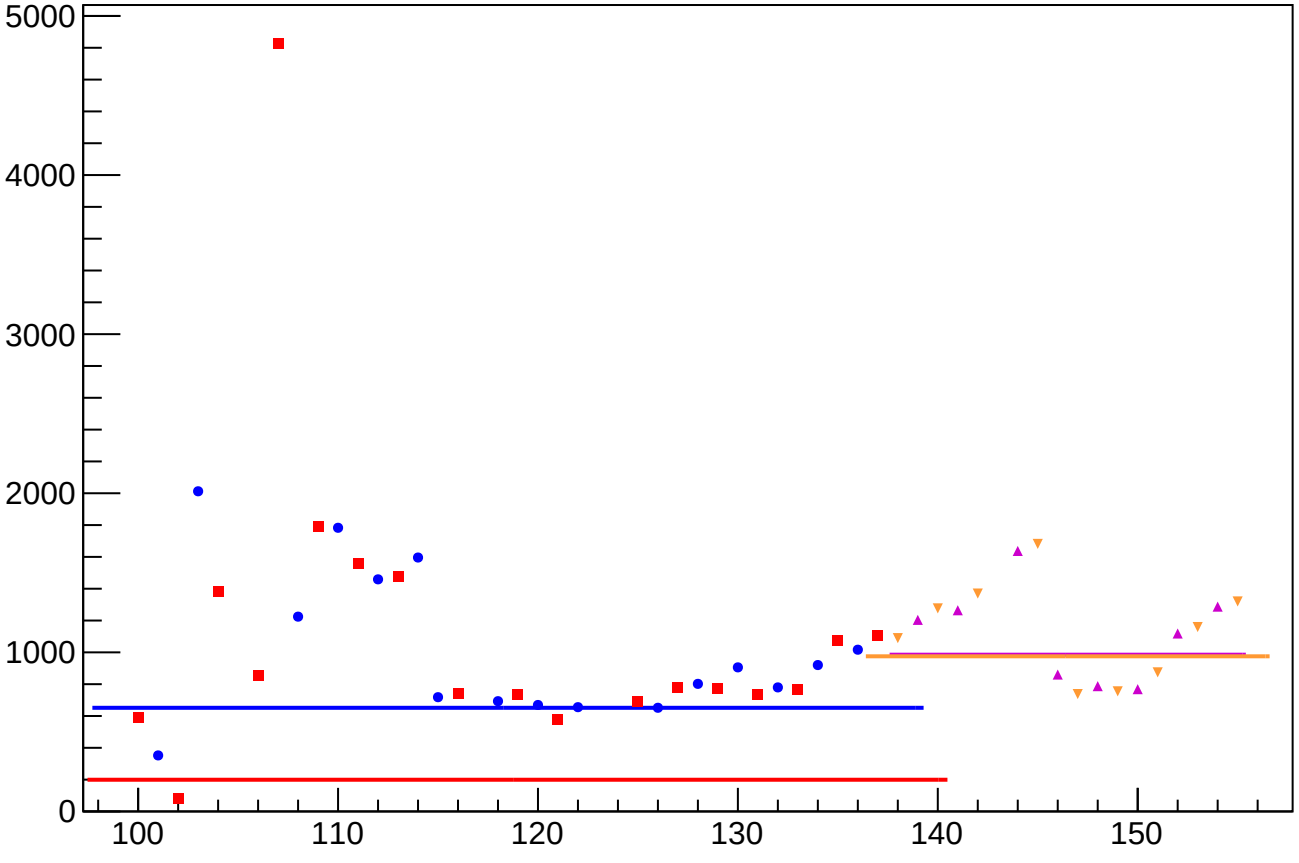
Left In: -90.621+/-385.835 χ^2/NDF:3.2/7

\+ sign -250.440+/-221.908 χ^2/NDF: 31.7/24

All: -122.332+/-112.204 χ^2/NDF: 53.9/50

\- sign -78.330+/-130.053 χ^2/NDF: 21.7/25

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 975.157+/-0.271 χ^2/NDF:947430.4/8

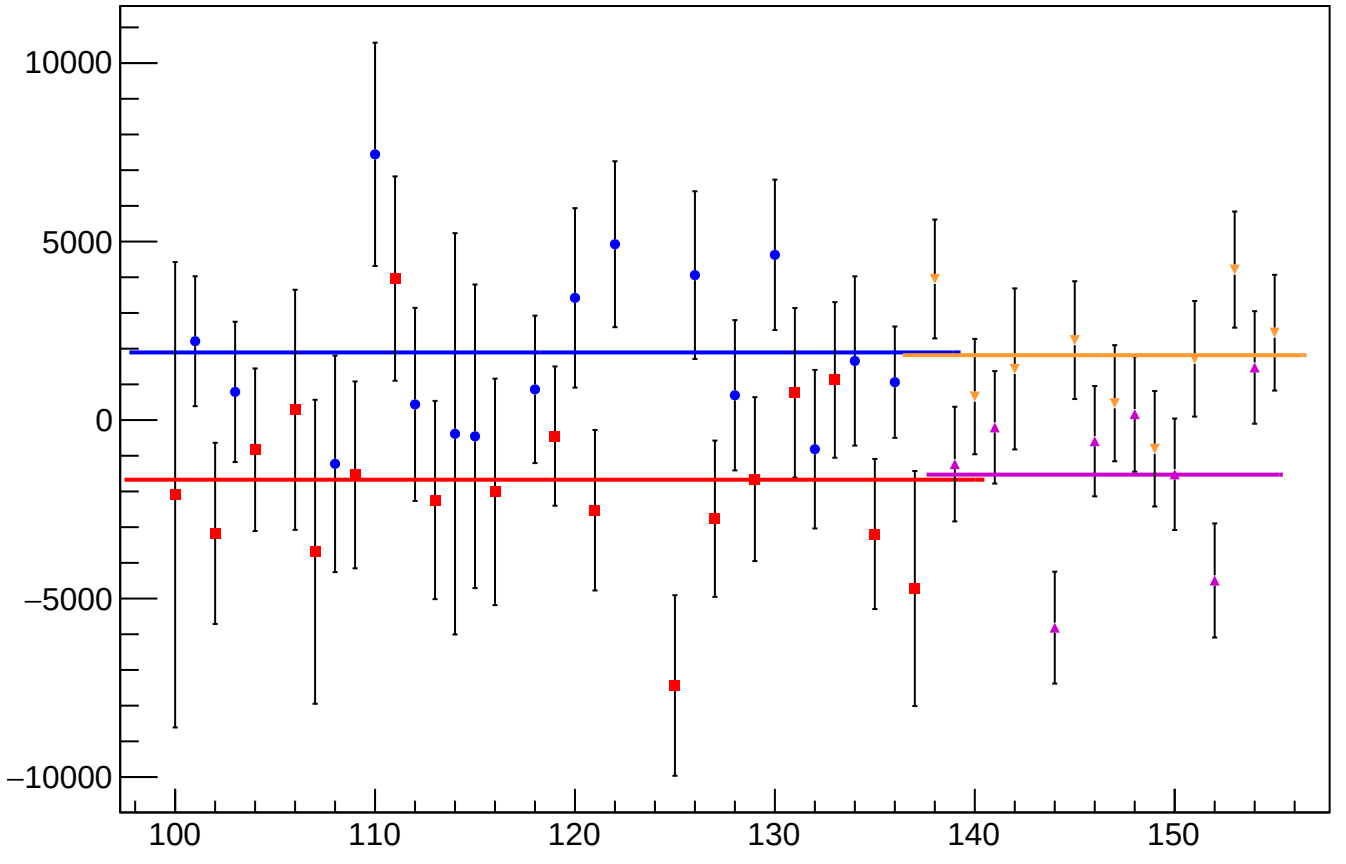
Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 985.306+/-0.273 χ^2/NDF:826439.8/7

+ sign 760.078+/-0.157 χ^2/NDF: 4658401.0/24

All: 409.170+/-0.079 χ^2/NDF: 28844755.9/50

- sign 288.641+/-0.092 χ^2/NDF: 17467401.4/25



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1817.741+/-558.373 χ^2/NDF:7.9/8

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

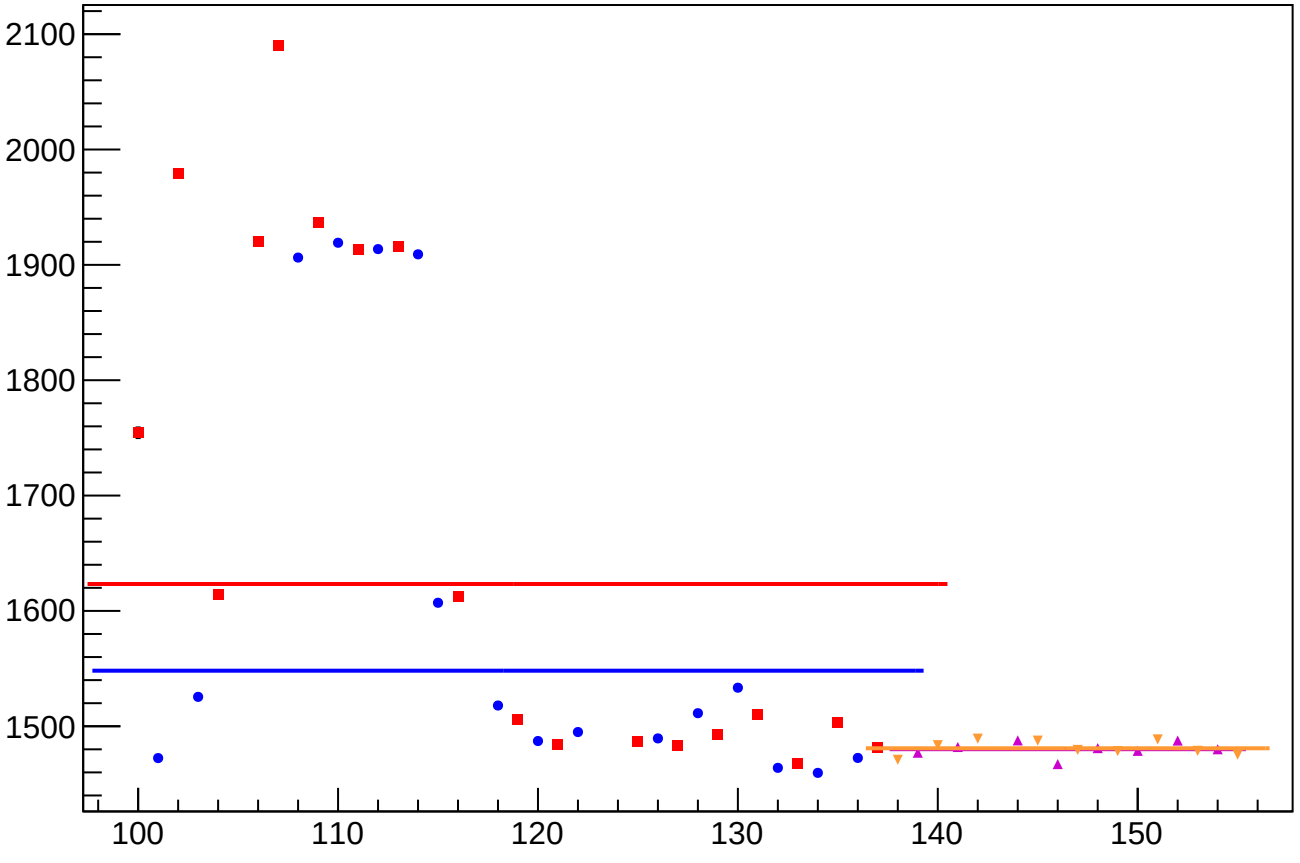
Left In: -1528.567+/-558.600 χ^2/NDF:16.8/7

+ sign 1854.661+/-401.465 χ^2/NDF: 20.2/24

All: 168.079+/-286.973 χ^2/NDF: 88.1/50

- sign -1594.101+/-410.364 χ^2/NDF: 31.8/25

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1480.910+/-0.395 χ^2/NDF:215.0/8

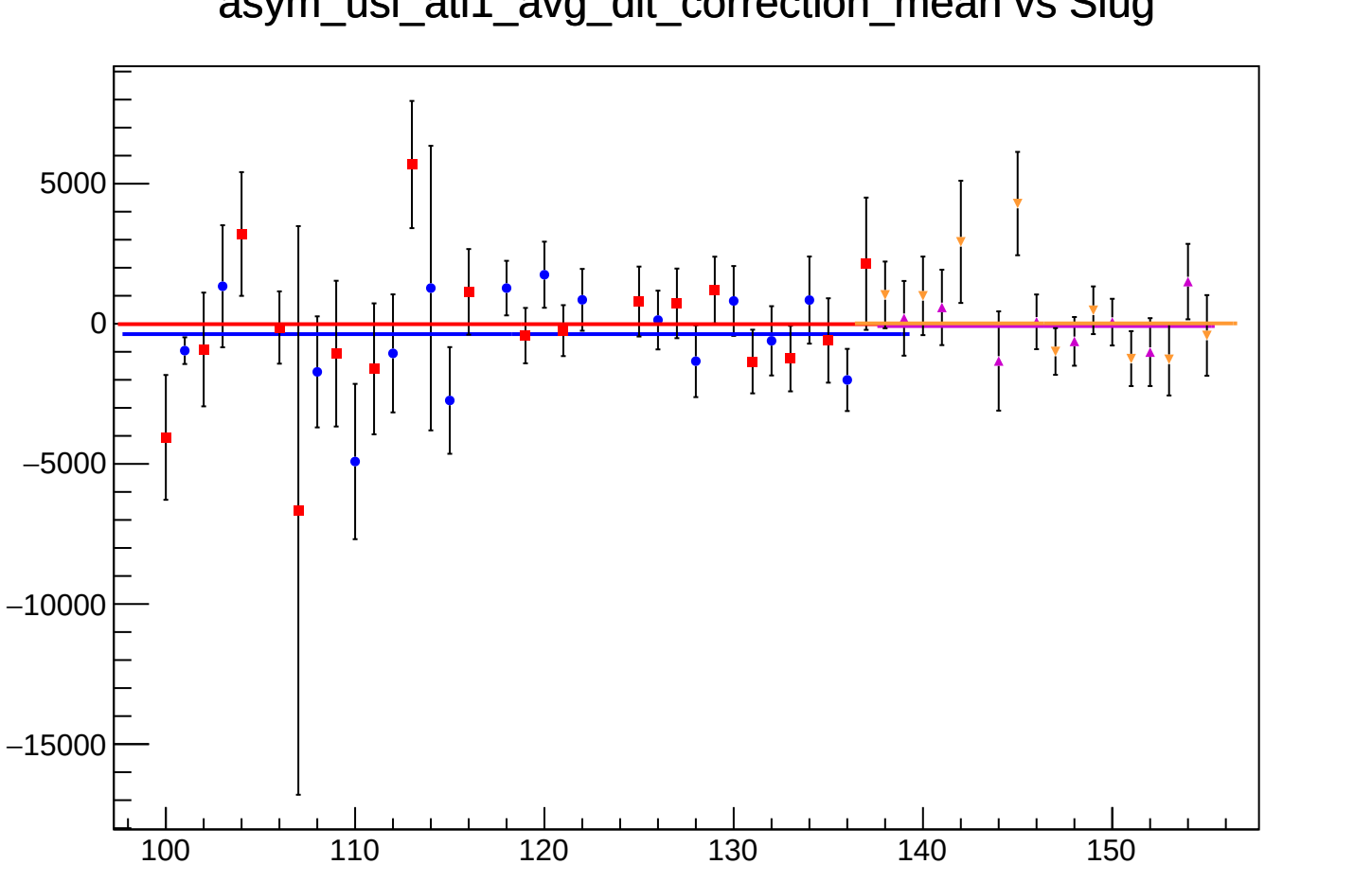
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1480.113+/-0.395 χ^2/NDF:243.1/7

+ sign 1513.402+/-0.284 χ^2/NDF: 134140.1/24

All: 1529.363+/-0.203 χ^2/NDF: 412898.8/50

- sign 1546.039+/-0.290 χ^2/NDF: 272294.9/25



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 14.216+/-387.306 χ^2/NDF:12.9/8

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

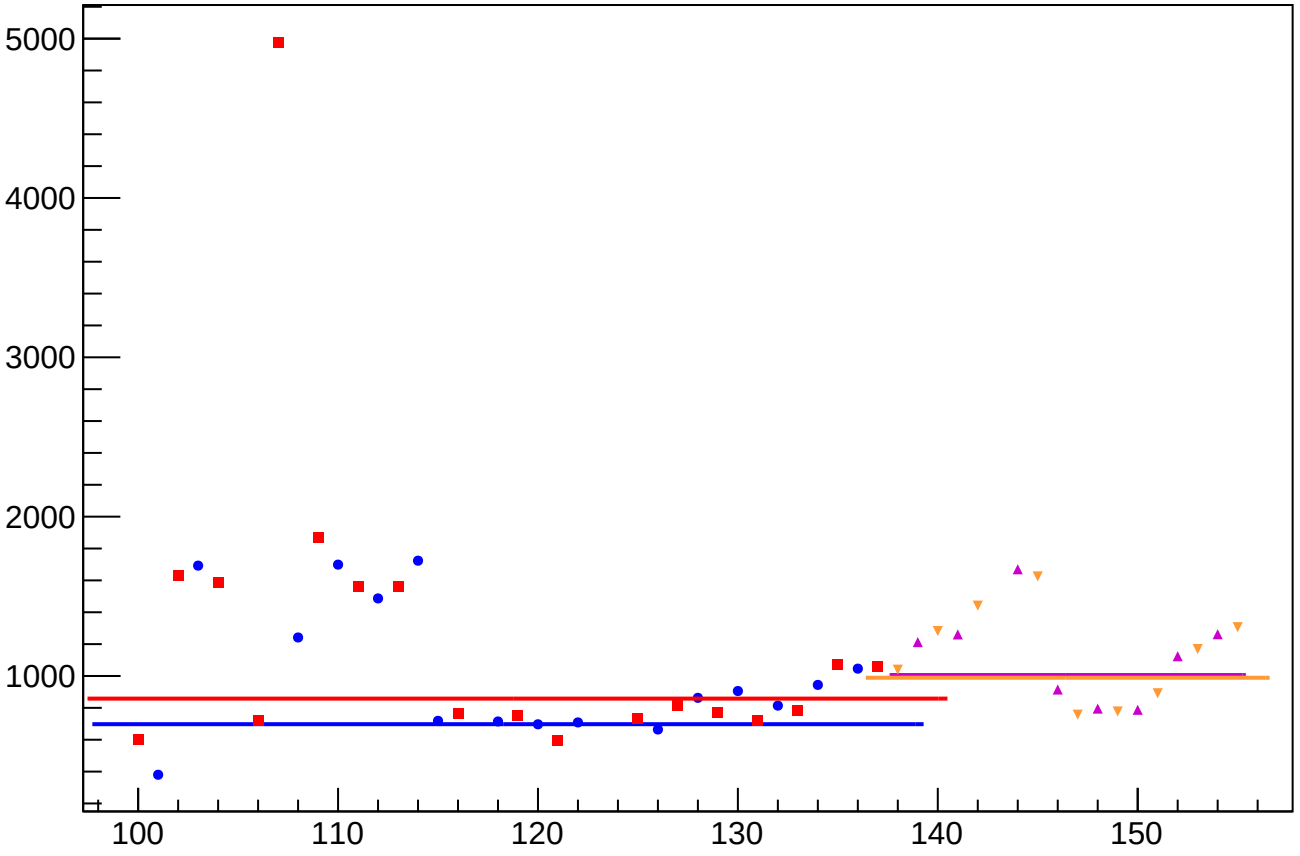
Left In: -80.673+/-392.721 χ^2/NDF:3.2/7

+ sign -233.233+/-230.371 χ^2/NDF: 32.4/24

All: -148.550+/-171.757 χ^2/NDF: 55.0/50

- sign -42.560+/-257.726 χ^2/NDF: 22.3/25

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 989.023+/-0.274 χ^2/NDF:849272.9/8

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

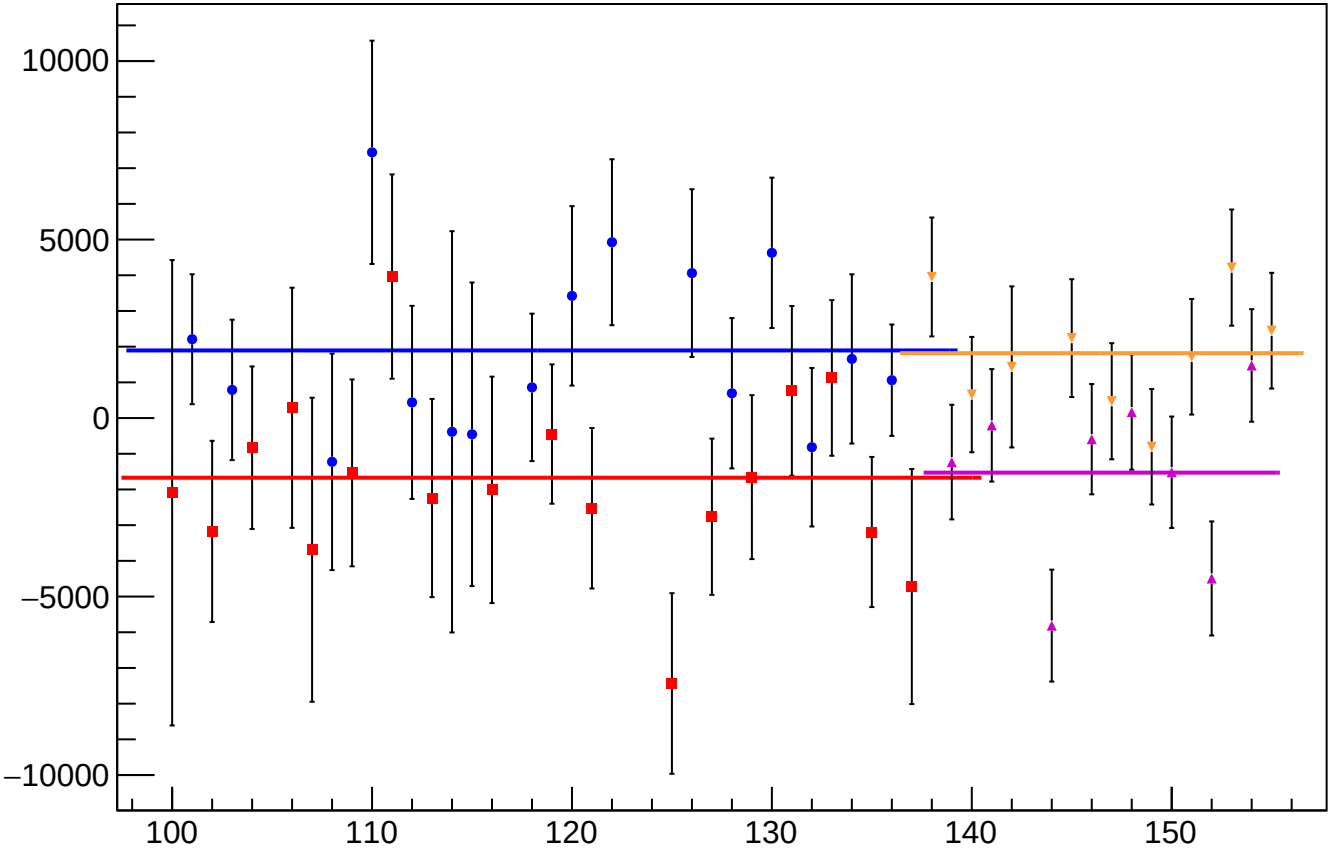
Left In: 1006.236+/-0.278 χ^2/NDF:764137.9/7

+ sign 800.649+/-0.163 χ^2/NDF: 4017007.6/24

All: 854.498+/-0.121 χ^2/NDF: 7071382.4/50

- sign 921.896+/-0.182 χ^2/NDF: 2808322.5/25

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1817.739+/-558.373 χ^2/NDF:7.9/8

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

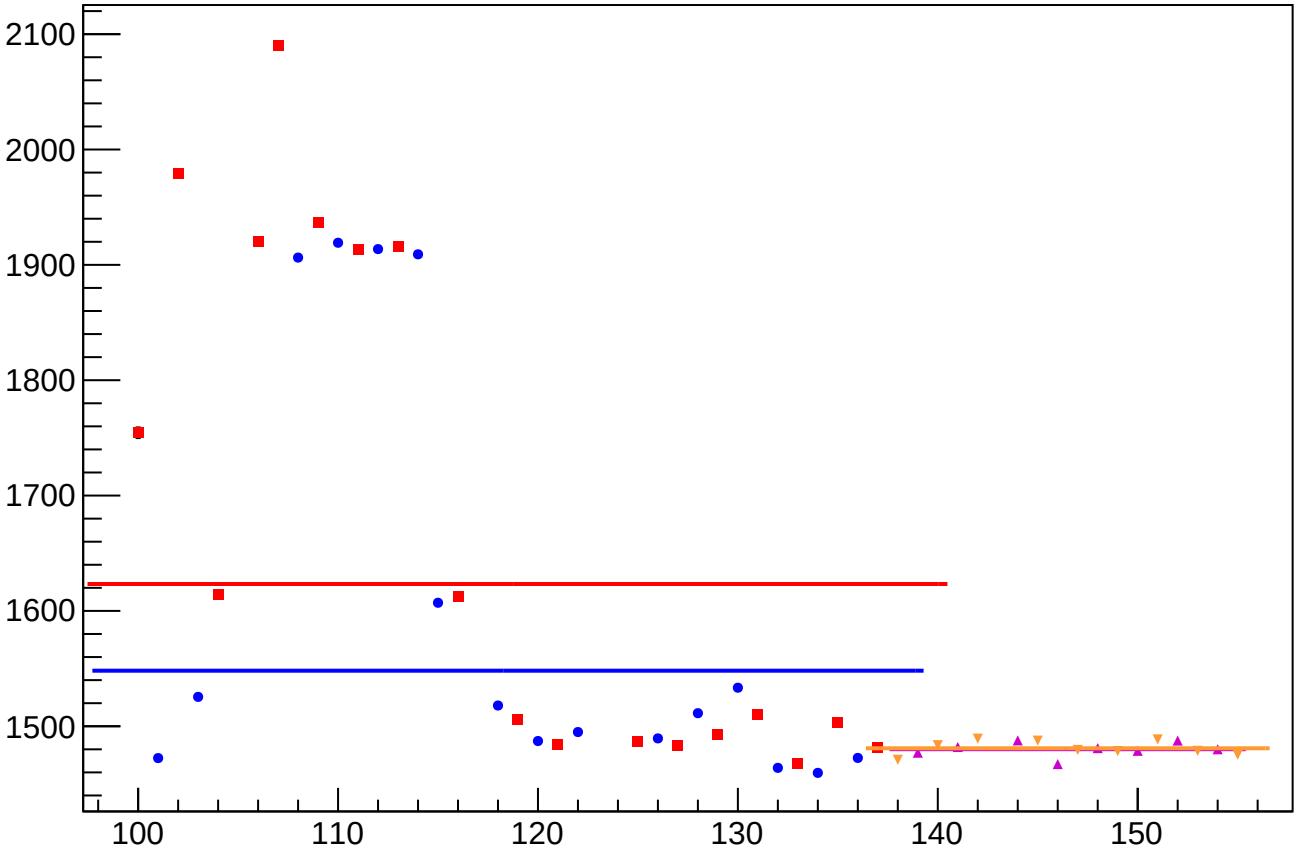
Left In: -1528.568+/-558.600 χ^2/NDF:16.8/7

+ sign 1854.659+/-401.465 χ^2/NDF: 20.2/24

All: 168.079+/-286.973 χ^2/NDF: 88.1/50

- sign -1594.100+/-410.364 χ^2/NDF: 31.8/25

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1480.910+/-0.395 χ^2/NDF:215.0/8

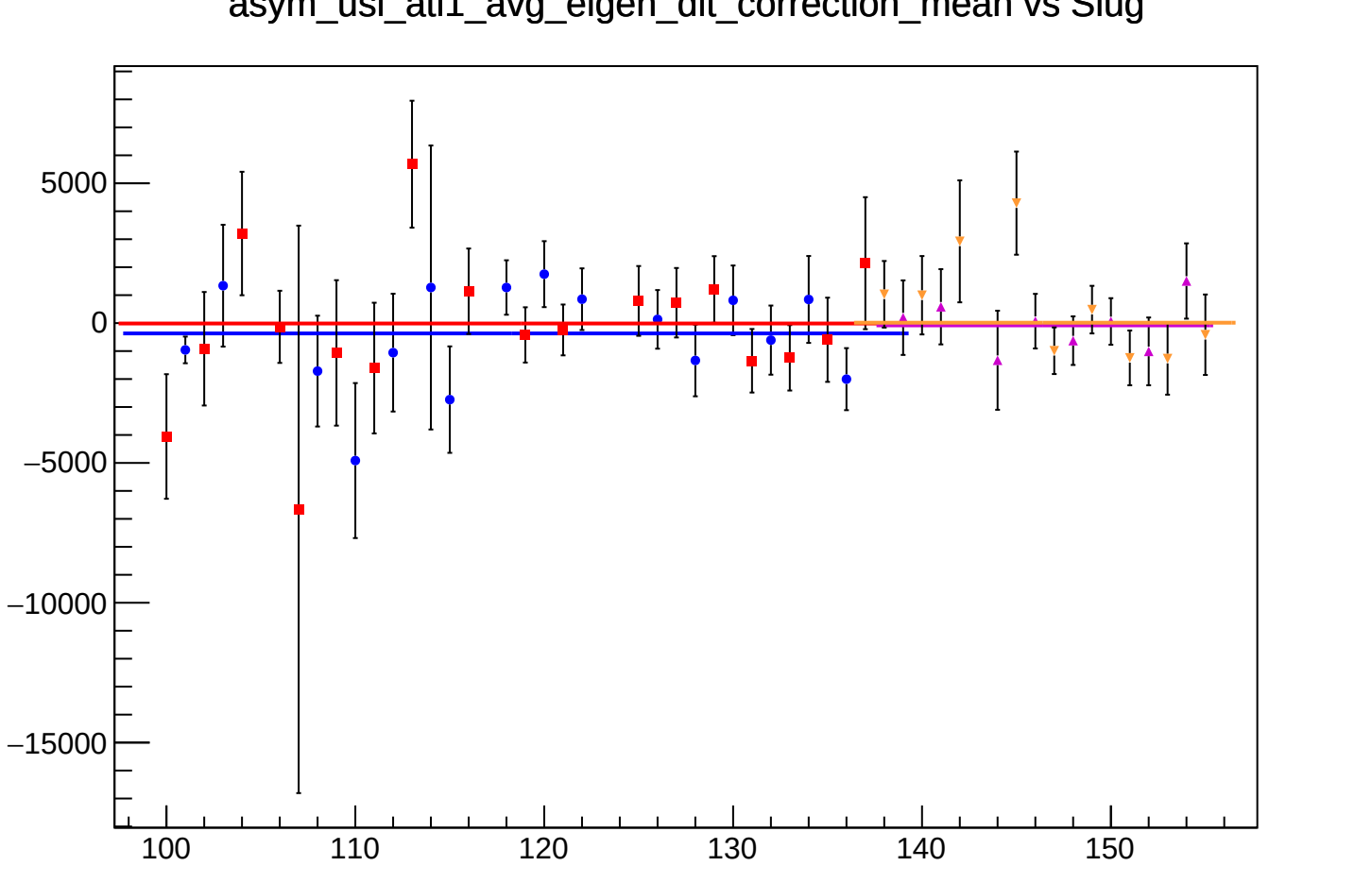
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1480.113+/-0.395 χ^2/NDF:243.1/7

+ sign 1513.402+/-0.284 χ^2/NDF: 134140.0/24

All: 1529.363+/-0.203 χ^2/NDF: 412898.4/50

- sign 1546.039+/-0.290 χ^2/NDF: 272294.5/25



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 14.212+/-387.307 χ^2/NDF:12.9/8

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

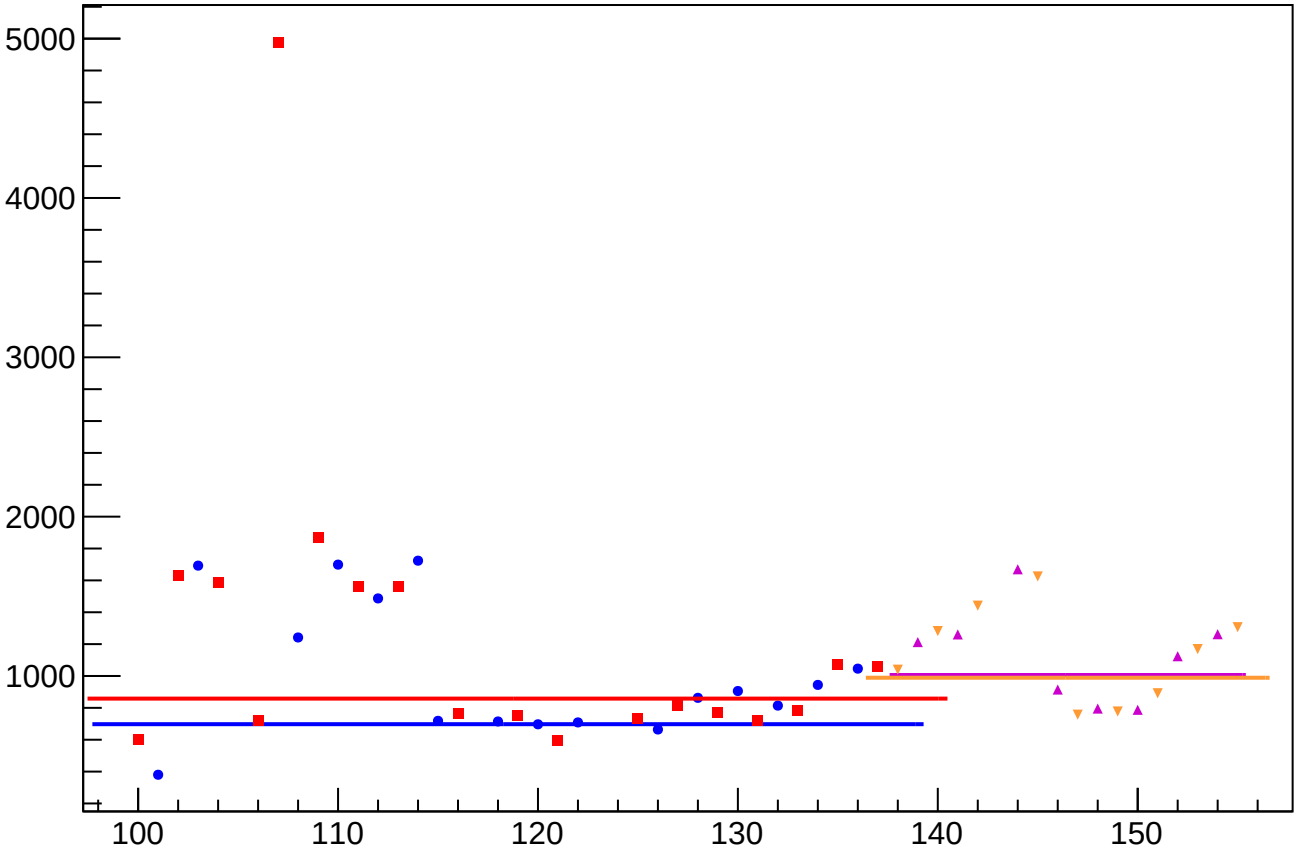
Left In: -80.673+/-392.722 χ^2/NDF:3.2/7

+ sign -233.234+/-230.371 χ^2/NDF: 32.4/24

All: -148.550+/-171.757 χ^2/NDF: 55.0/50

- sign -42.561+/-257.726 χ^2/NDF: 22.3/25

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 989.024+/-0.274 χ^2/NDF:849271.1/8

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

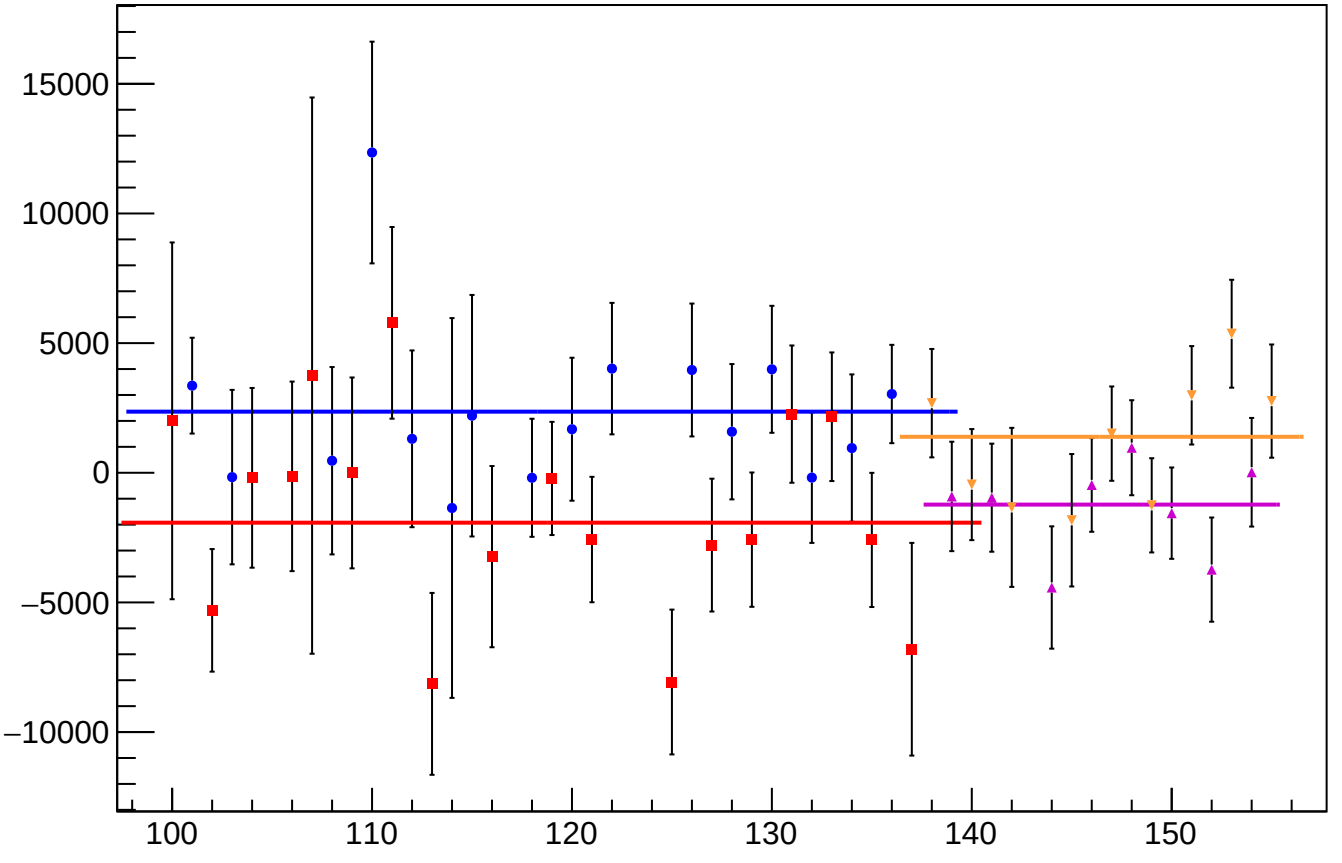
Left In: 1006.237+/-0.278 χ^2/NDF:764134.9/7

+ sign 800.649+/-0.163 χ^2/NDF: 4017004.8/24

All: 854.498+/-0.121 χ^2/NDF: 7071389.9/50

- sign 921.895+/-0.182 χ^2/NDF: 2808336.0/25

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1387.099+/-701.839 χ^2/NDF:10.4/8

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

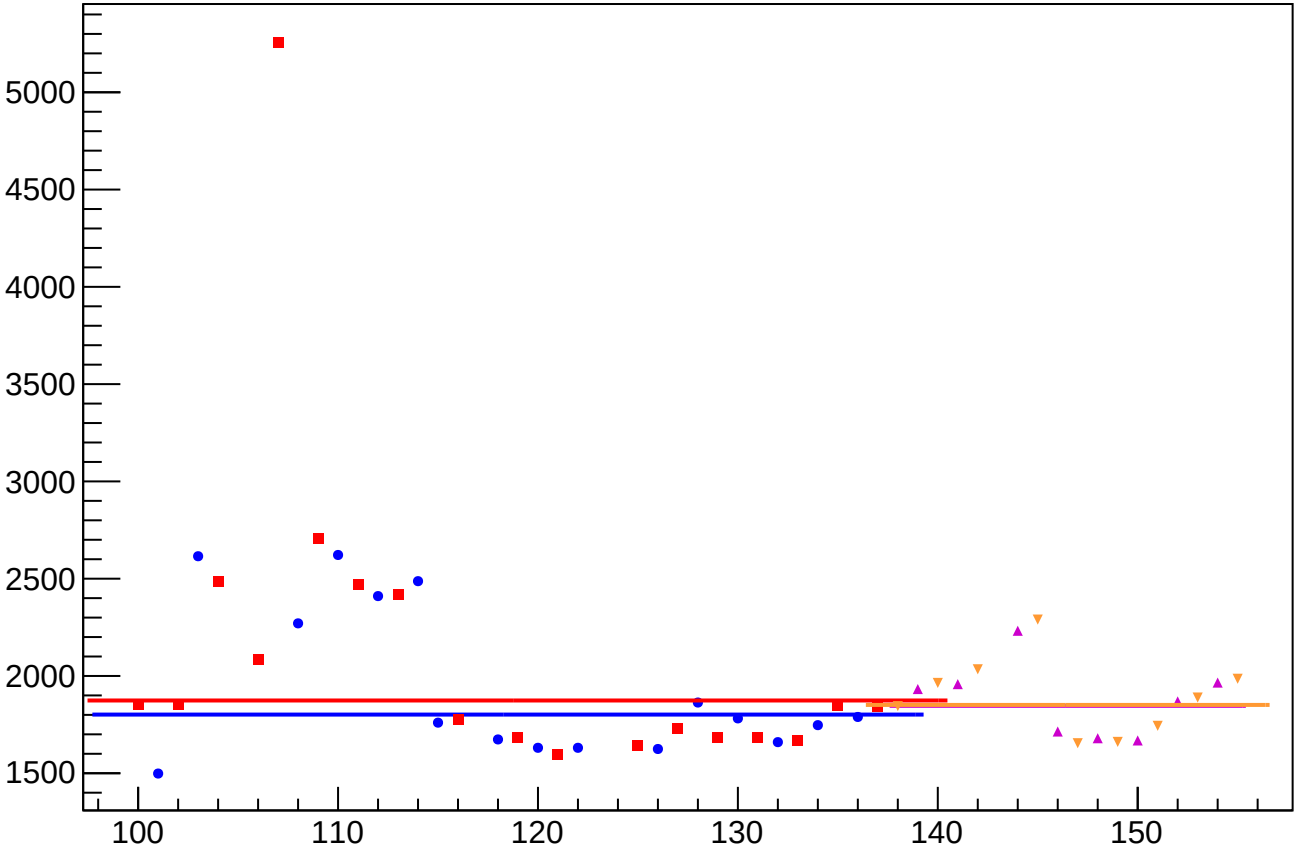
Left In: -1227.524+/-700.627 χ^2/NDF:5.4/7

+ sign 1888.126+/-487.979 χ^2/NDF: 22.4/24

All: 191.254+/-348.401 χ^2/NDF: 76.4/50

- sign -1573.111+/-497.589 χ^2/NDF: 29.4/25

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1851.153+/-0.496 χ^2/NDF:131723.6/8

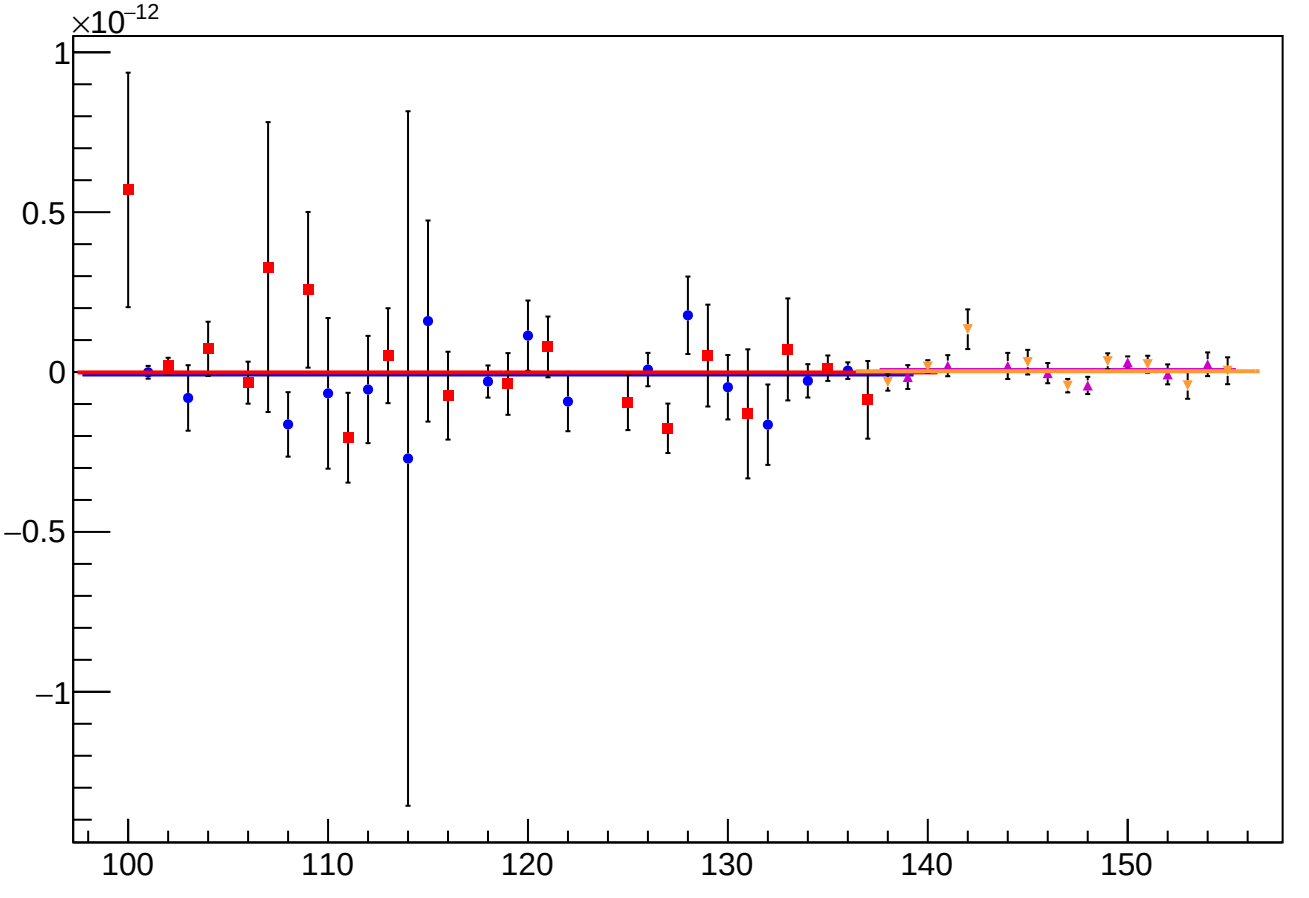
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1846.476+/-0.495 χ^2/NDF:116987.4/7

+ sign 1825.518+/-0.345 χ^2/NDF: 537591.3/24

All: 1842.475+/-0.246 χ^2/NDF: 1230940.5/50

- sign 1860.106+/-0.352 χ^2/NDF: 688423.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/8

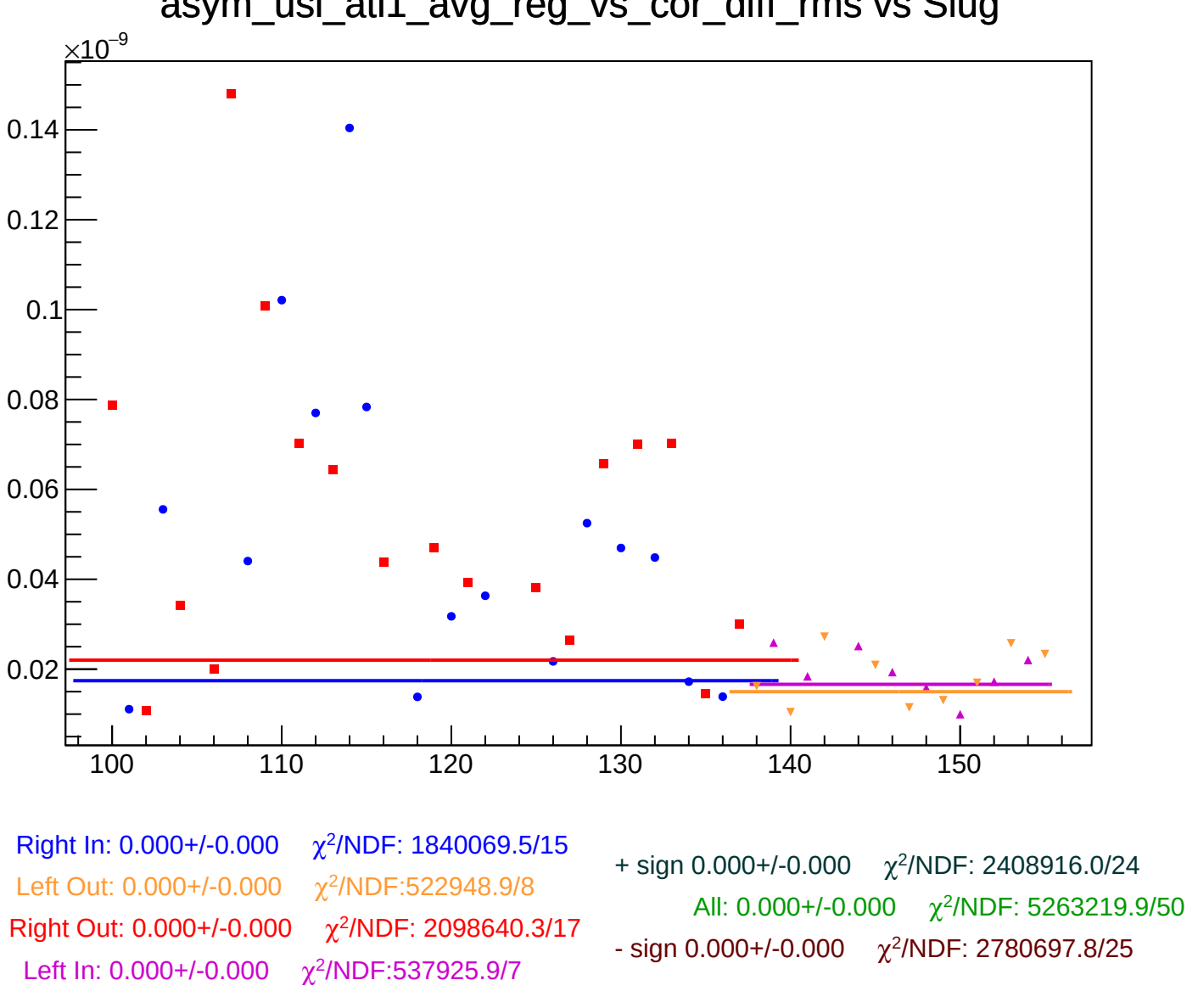
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:6.1/7

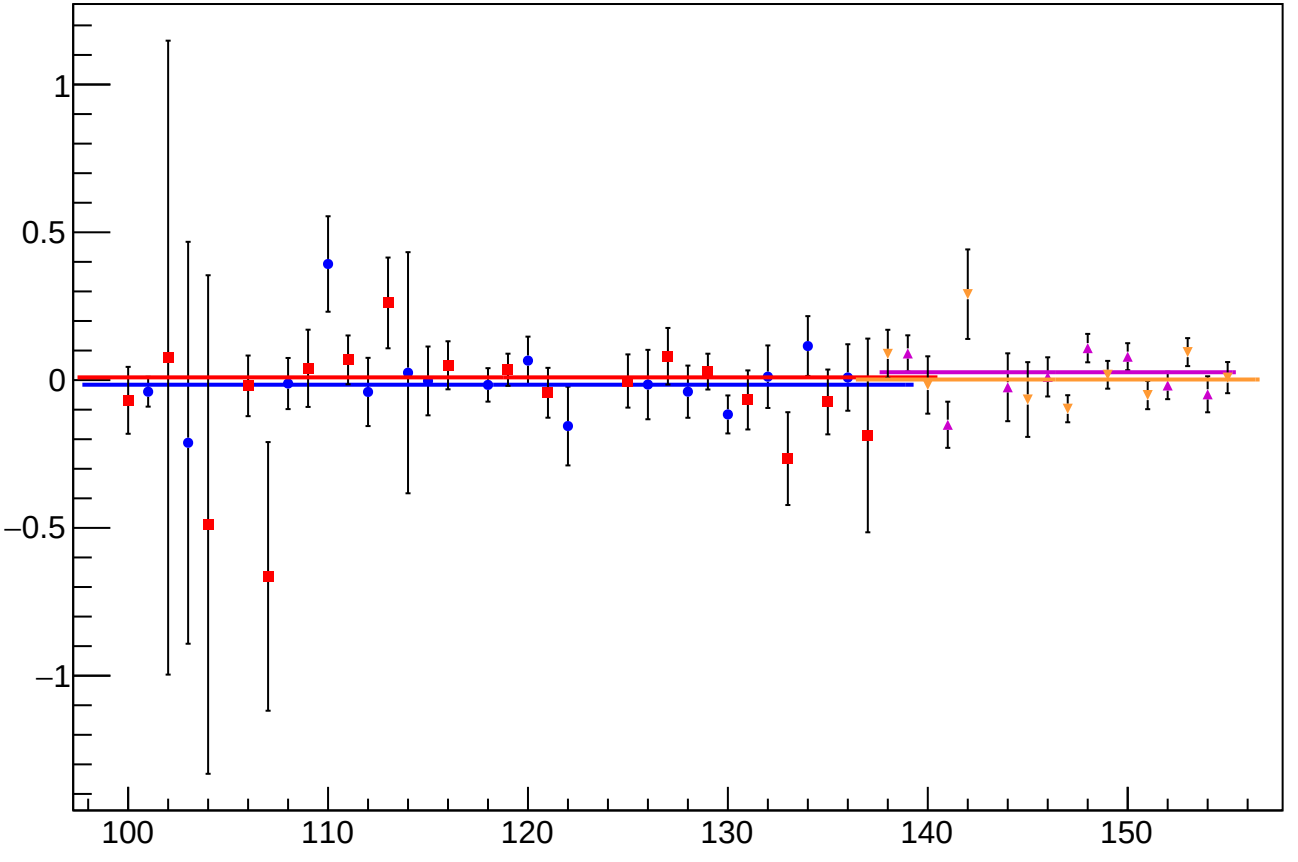
+ sign -0.000+/-0.000 χ^2/NDF: 25.8/24

All: 0.000+/-0.000 χ^2/NDF: 48.9/50

- sign 0.000+/-0.000 χ^2/NDF: 22.9/25


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
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:522948.9/8
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:537925.9/7
+ sign 0.000+/-0.000 χ²/NDF: 2408916.0/24
All: 0.000+/-0.000 χ²/NDF: 5263219.9/50
- sign 0.000+/-0.000 χ²/NDF: 2780697.8/25

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.020 χ^2/NDF:14.9/8

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

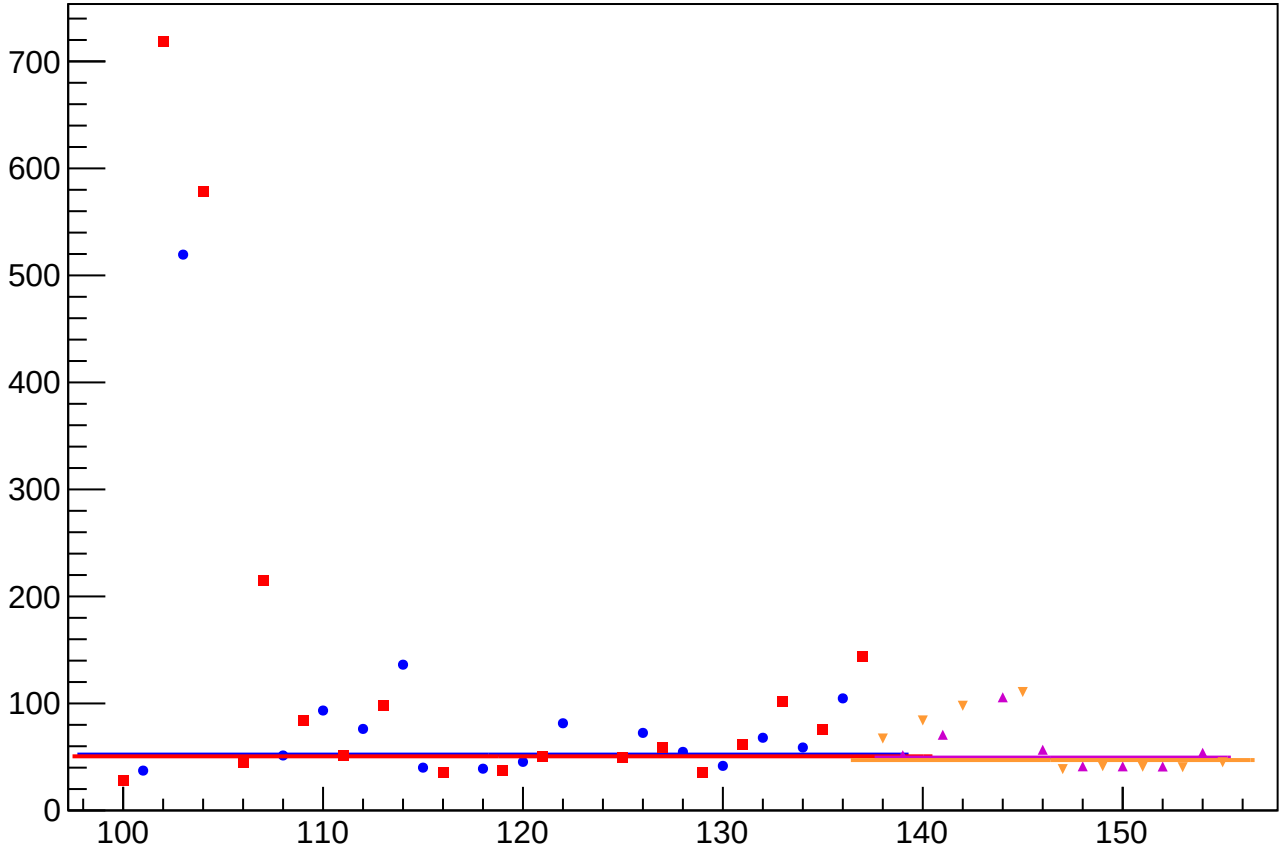
Left In: 0.027+/-0.020 χ^2/NDF:13.2/7

+ sign -0.006+/-0.015 χ^2/NDF: 28.5/24

All: 0.006+/-0.011 χ^2/NDF: 55.7/50

- sign 0.019+/-0.015 χ^2/NDF: 25.9/25

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: 47.089+/-0.014 χ^2/NDF:1319597.2/8

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

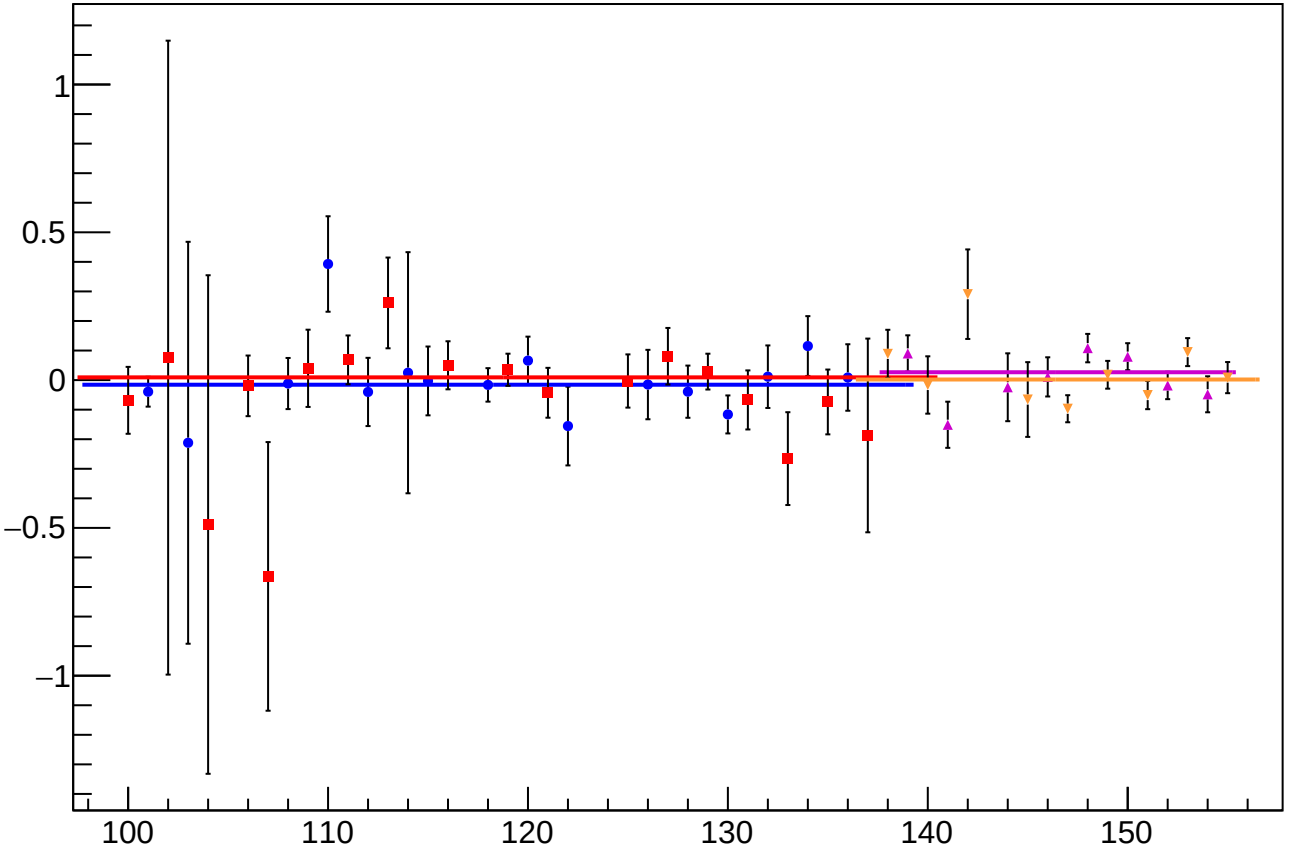
Left In: 49.399+/-0.014 χ^2/NDF:854992.1/7

+ sign 49.306+/-0.011 χ^2/NDF: 3643926.5/24

All: 49.596+/-0.008 χ^2/NDF: 7554728.8/50

- sign 49.908+/-0.011 χ^2/NDF: 3909235.7/25

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.020 χ^2/NDF:14.9/8

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

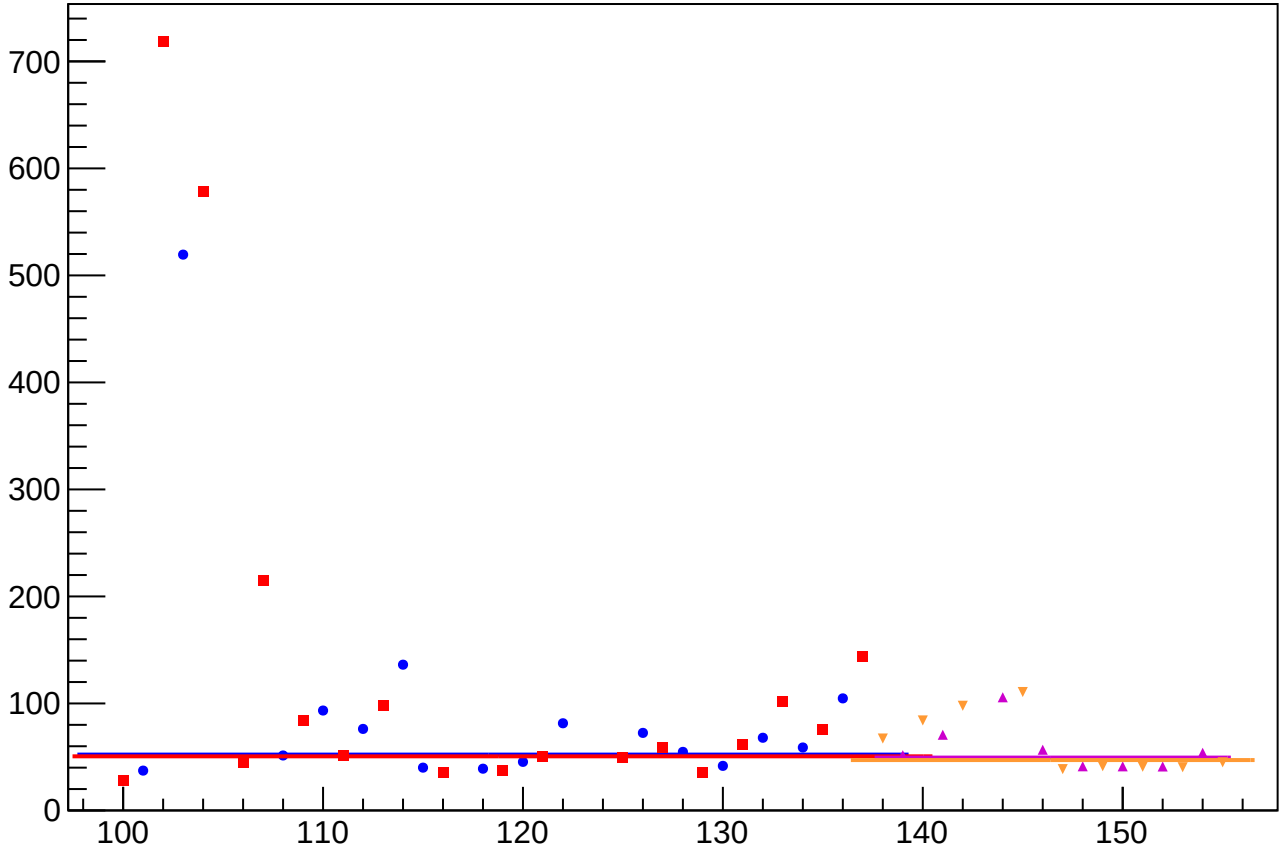
Left In: 0.027+/-0.020 χ^2/NDF:13.2/7

+ sign -0.006+/-0.015 χ^2/NDF: 28.5/24

All: 0.006+/-0.011 χ^2/NDF: 55.7/50

- sign 0.019+/-0.015 χ^2/NDF: 25.9/25

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: 47.089+/-0.014 χ^2/NDF:1319597.2/8

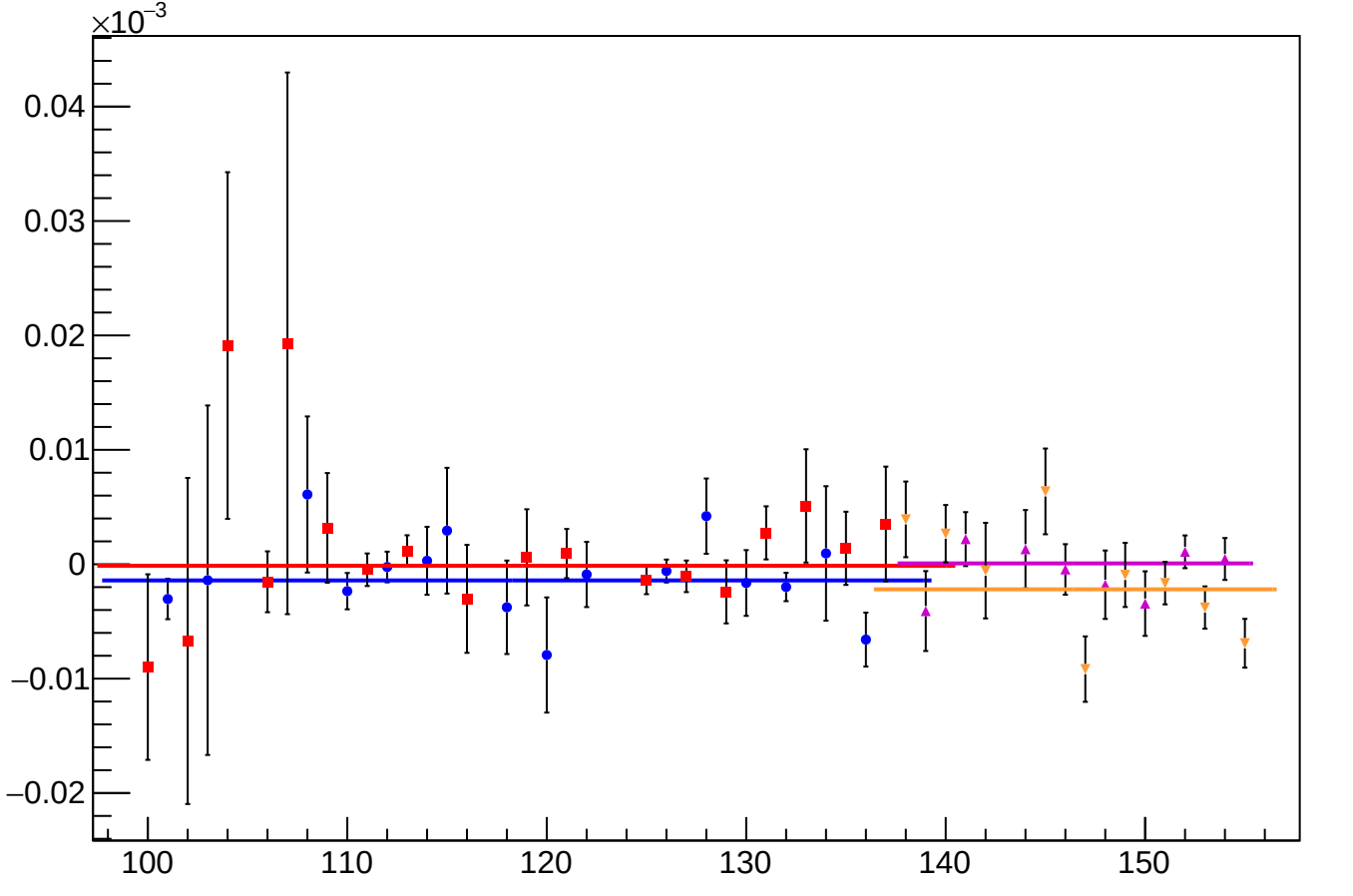
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.399+/-0.014 χ^2/NDF:854992.1/7

+ sign 49.306+/-0.011 χ^2/NDF: 3643926.5/24

All: 49.596+/-0.008 χ^2/NDF: 7554728.8/50

- sign 49.908+/-0.011 χ^2/NDF: 3909235.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

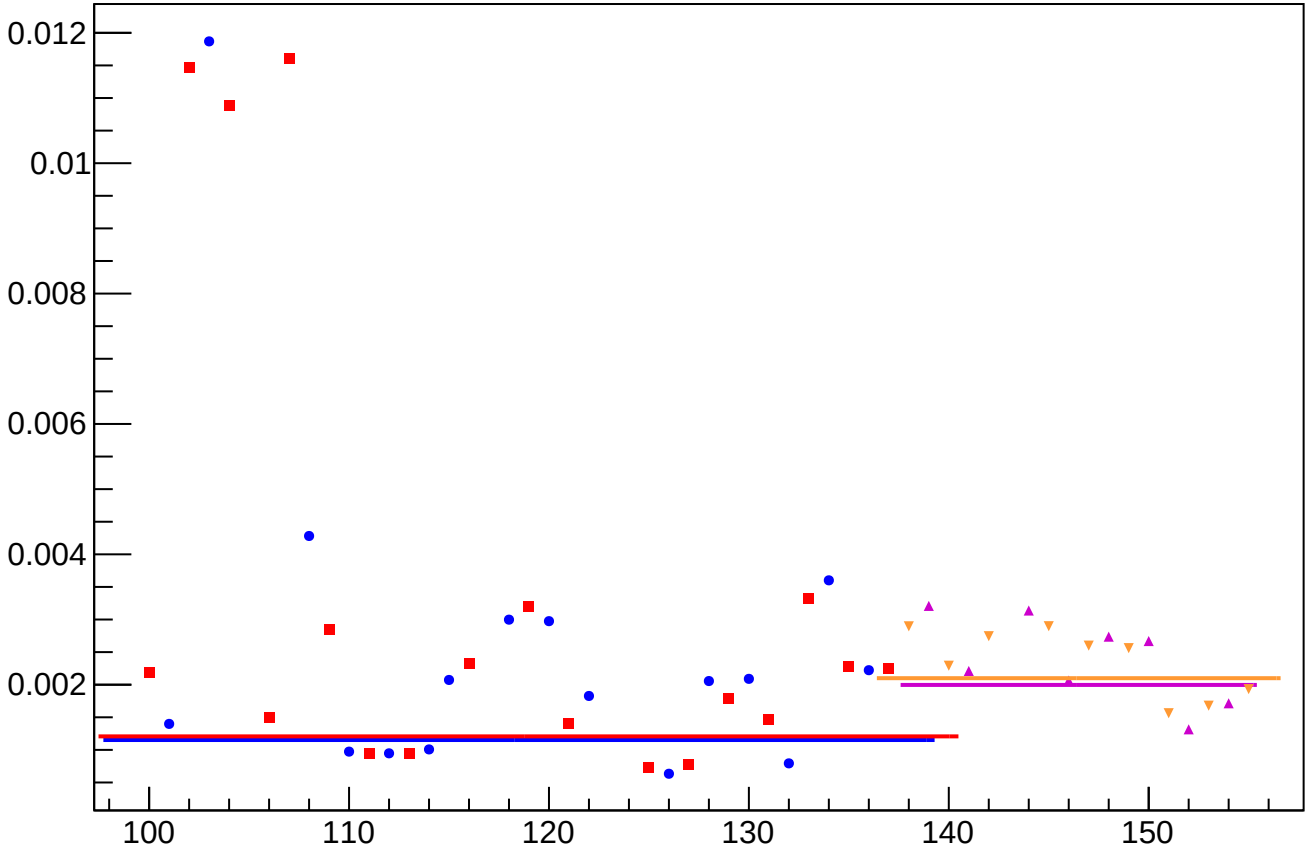
Left In: 0.000+/-0.000 χ^2/NDF:4.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 40.0/24

All: -0.000+/-0.000 χ^2/NDF: 62.7/50

- sign -0.000+/-0.000 χ^2/NDF: 16.5/25

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:664973.5/8

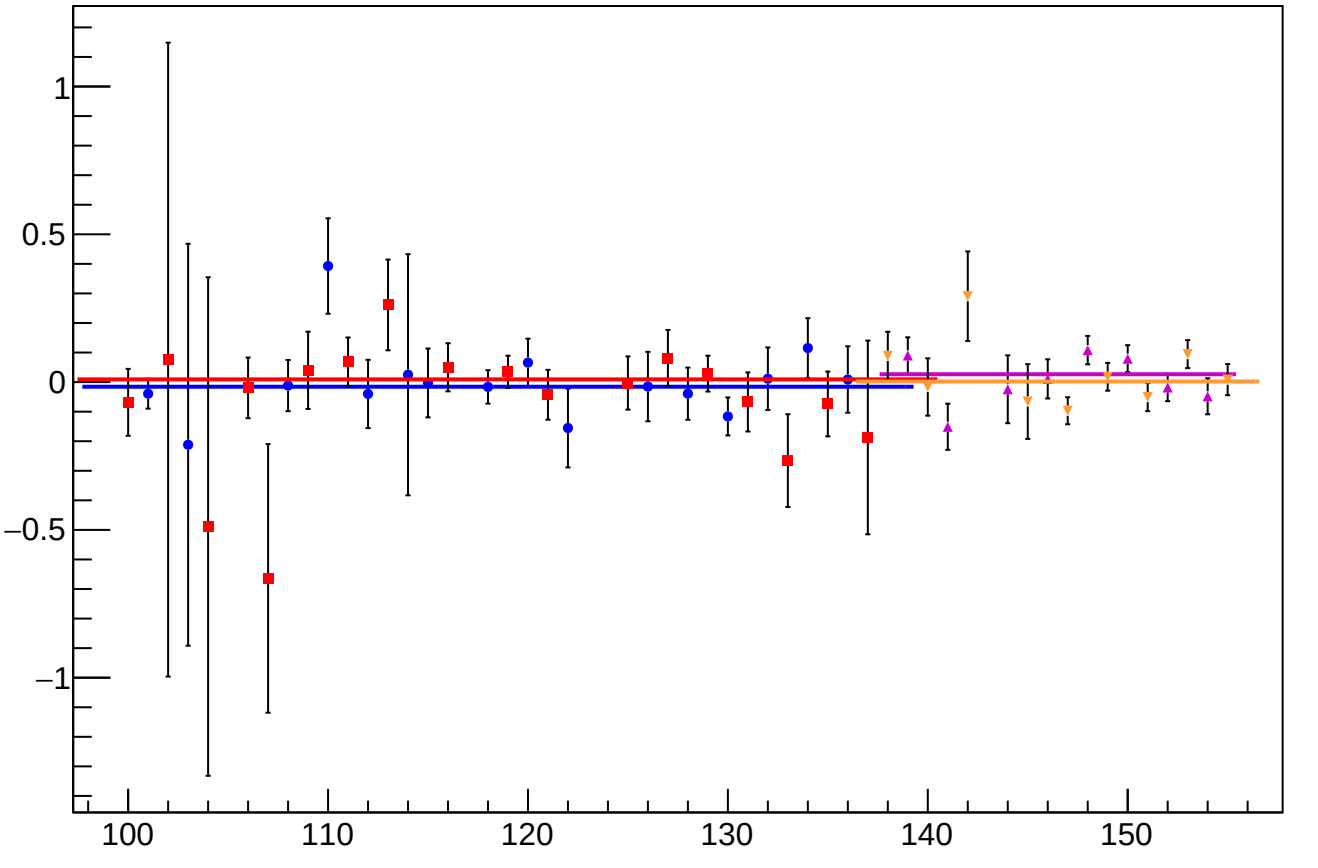
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1218840.8/7

+ sign 0.001+/-0.000 χ^2/NDF: 6716569.8/24

All: 0.001+/-0.000 χ^2/NDF: 13790465.8/50

- sign 0.001+/-0.000 χ^2/NDF: 7060212.1/25



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.020 χ^2/NDF:14.9/8

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

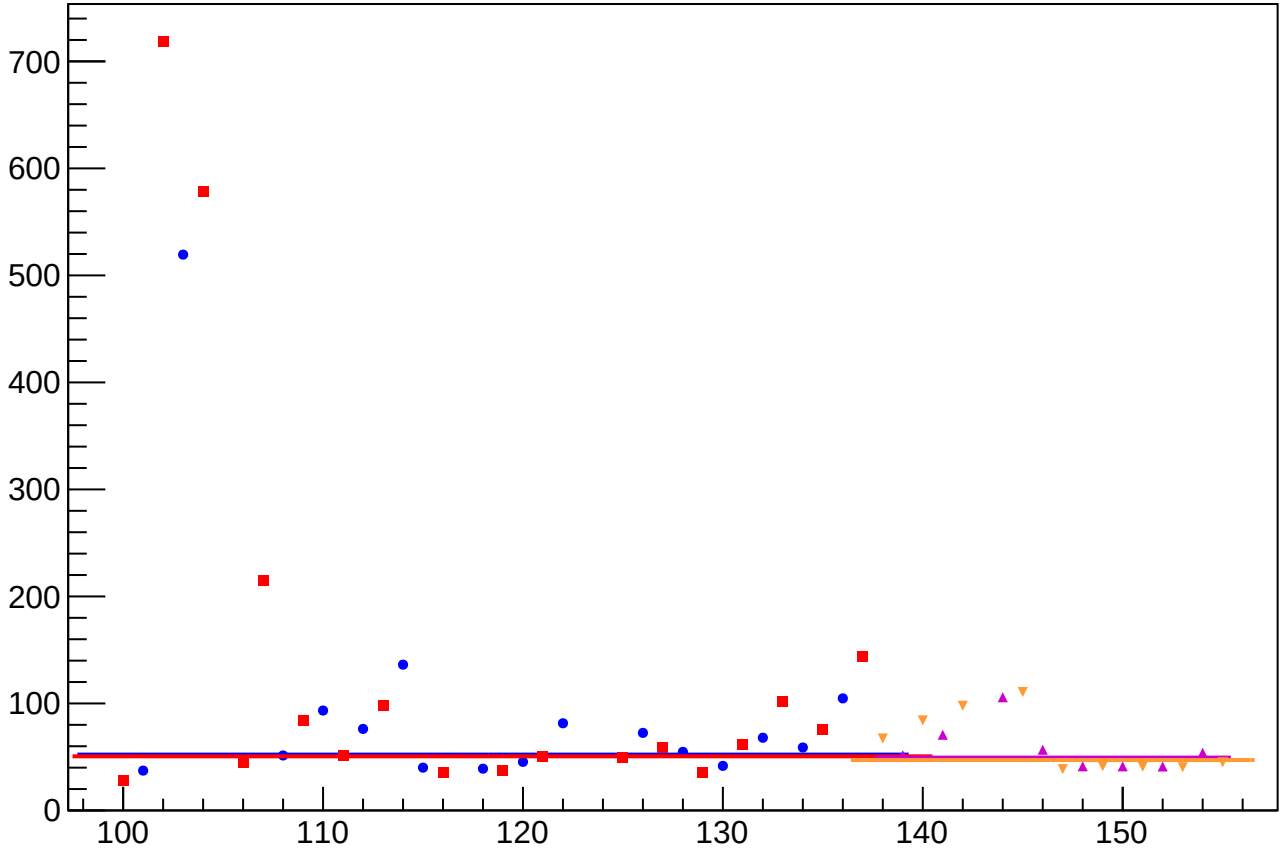
Left In: 0.027+/-0.020 χ^2/NDF:13.2/7

\+ sign -0.006+/-0.015 χ^2/NDF: 28.5/24

All: 0.006+/-0.011 χ^2/NDF: 55.7/50

\- sign 0.019+/-0.015 χ^2/NDF: 25.9/25

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: 47.089+/-0.014 χ^2/NDF:1319575.4/8

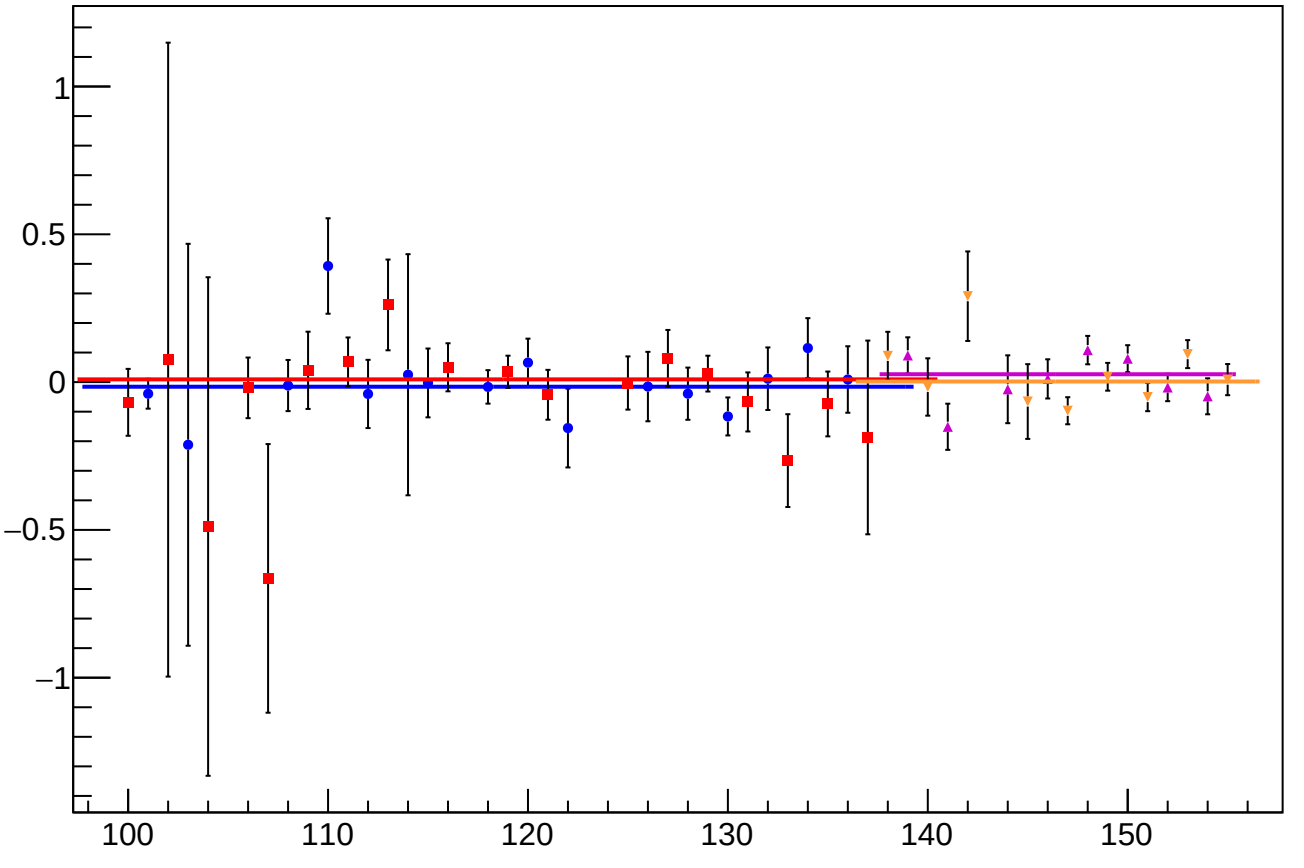
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.399+/-0.014 χ^2/NDF:854975.8/7

+ sign 49.306+/-0.011 χ^2/NDF: 3643894.6/24

All: 49.596+/-0.008 χ^2/NDF: 7554663.2/50

- sign 49.908+/-0.011 χ^2/NDF: 3909202.0/25



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.020 χ^2/NDF:14.9/8

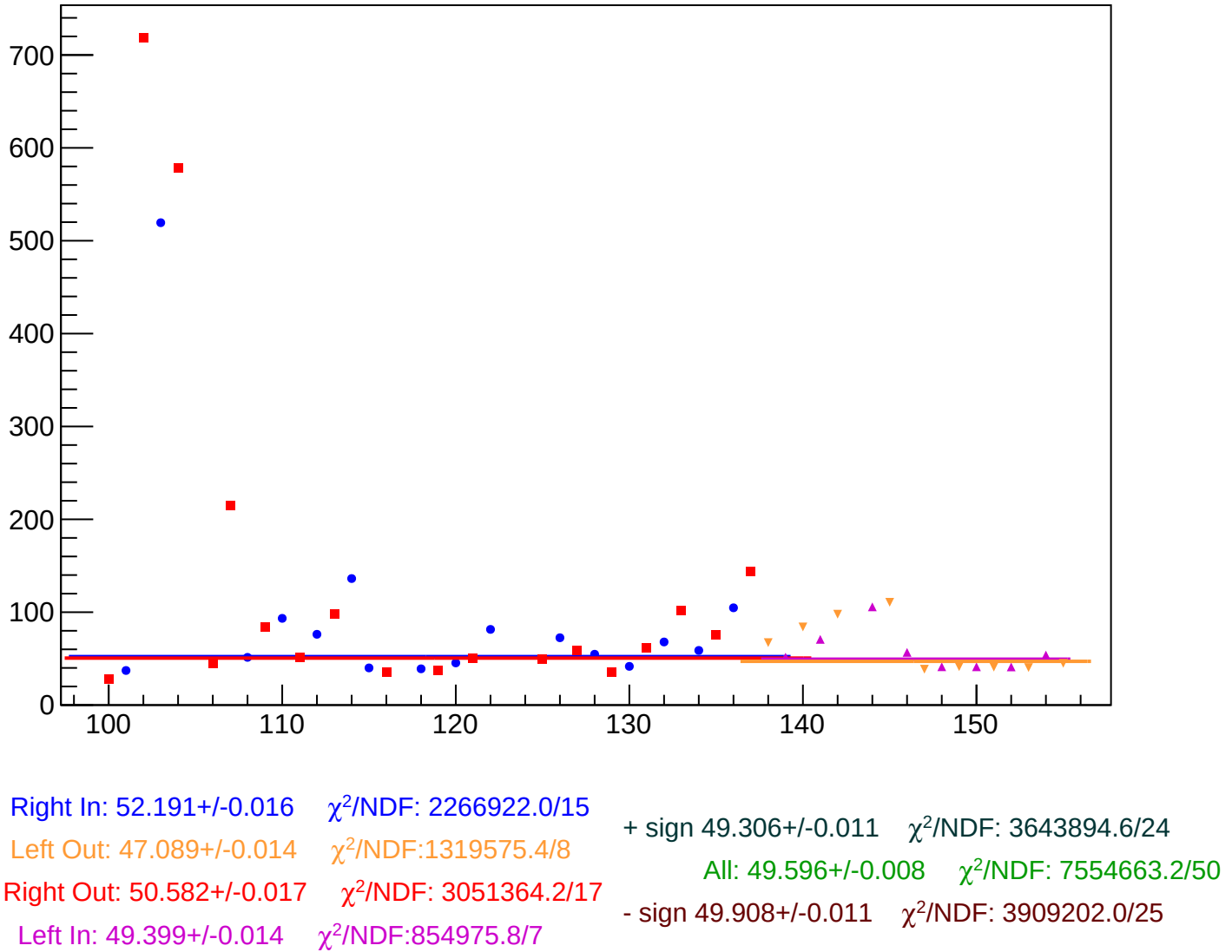
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

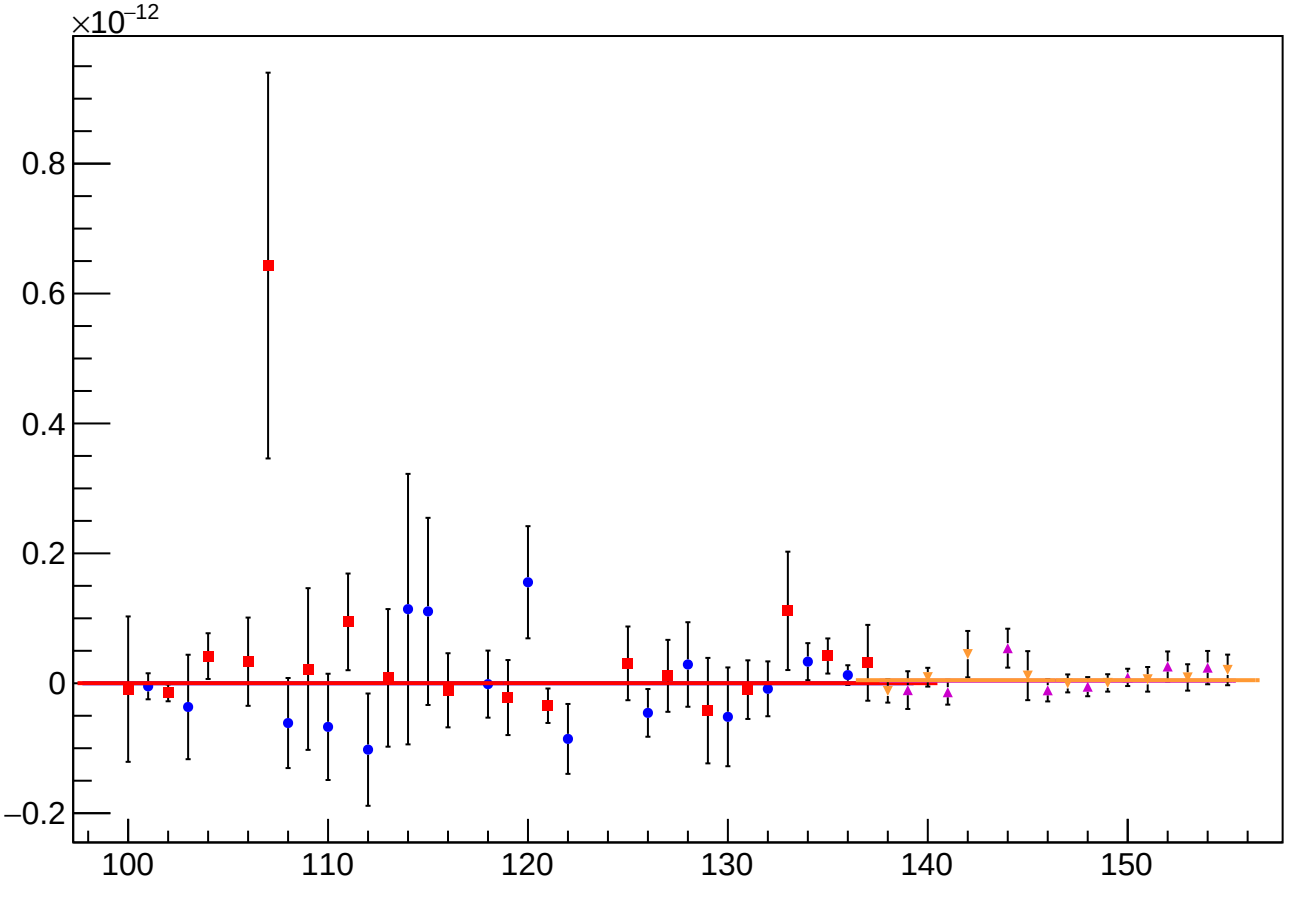
Left In: 0.027+/-0.020 χ^2/NDF:13.2/7

\+ sign -0.006+/-0.015 χ^2/NDF: 28.5/24

All: 0.006+/-0.011 χ^2/NDF: 55.7/50

\- sign 0.019+/-0.015 χ^2/NDF: 25.9/25


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
700
600
500
400
300
200
100
0
100
110
120
130
140
150
Right In: 52.191+/-0.016 χ²/NDF: 2266922.0/15
Left Out: 47.089+/-0.014 χ²/NDF:1319575.4/8
Right Out: 50.582+/-0.017 χ²/NDF: 3051364.2/17
Left In: 49.399+/-0.014 χ²/NDF:854975.8/7
+ sign 49.306+/-0.011 χ²/NDF: 3643894.6/24
All: 49.596+/-0.008 χ²/NDF: 7554663.2/50
- sign 49.908+/-0.011 χ²/NDF: 3909202.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/8

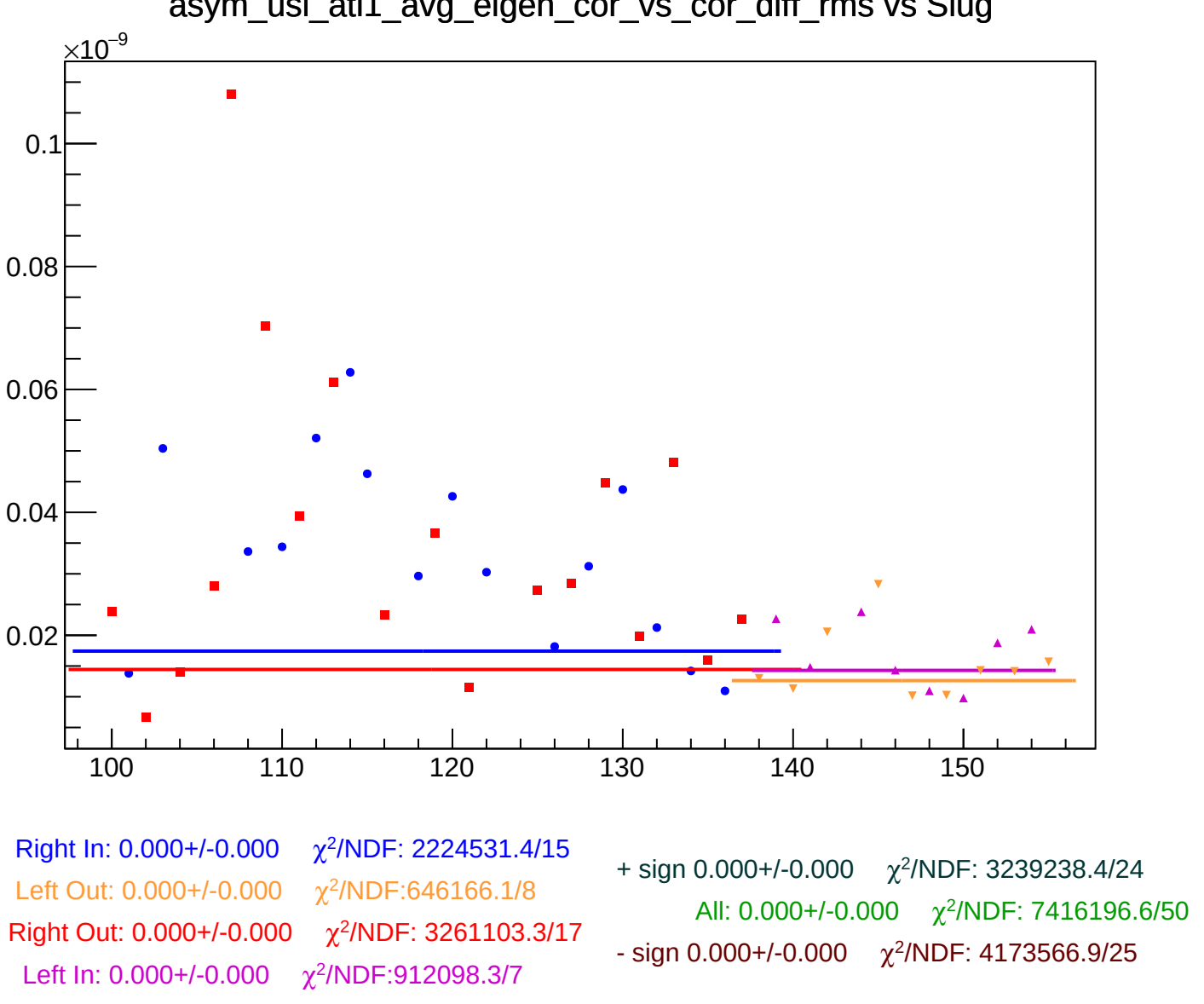
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.7/7

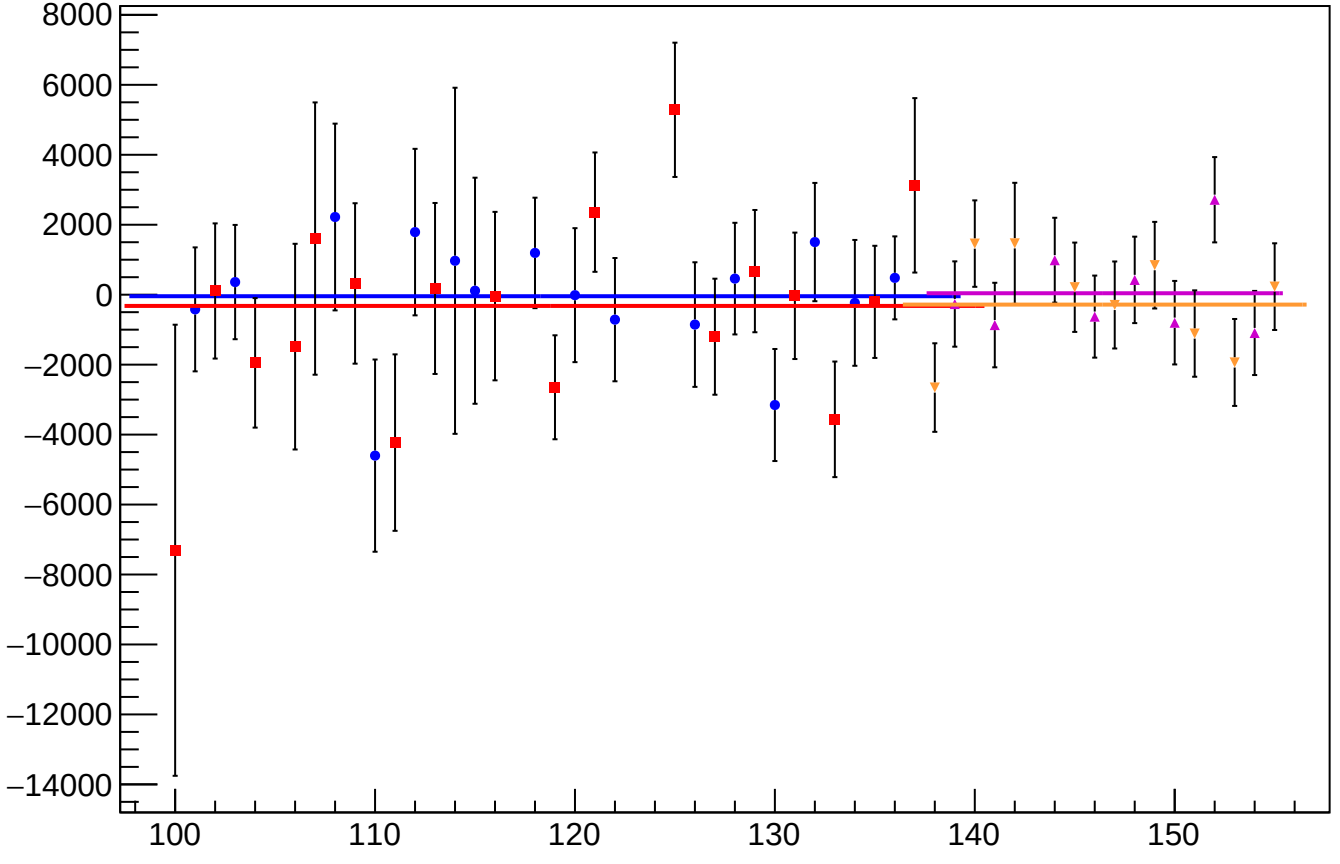
+ sign 0.000+/-0.000 χ^2/NDF: 17.2/24

All: 0.000+/-0.000 χ^2/NDF: 40.0/50

- sign 0.000+/-0.000 χ^2/NDF: 22.8/25


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
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:646166.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:912098.3/7
+ sign 0.000+/-0.000 χ²/NDF: 3239238.4/24
All: 0.000+/-0.000 χ²/NDF: 7416196.6/50
- sign 0.000+/-0.000 χ²/NDF: 4173566.9/25

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -283.380+/-427.209 χ^2/NDF:9.9/8

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

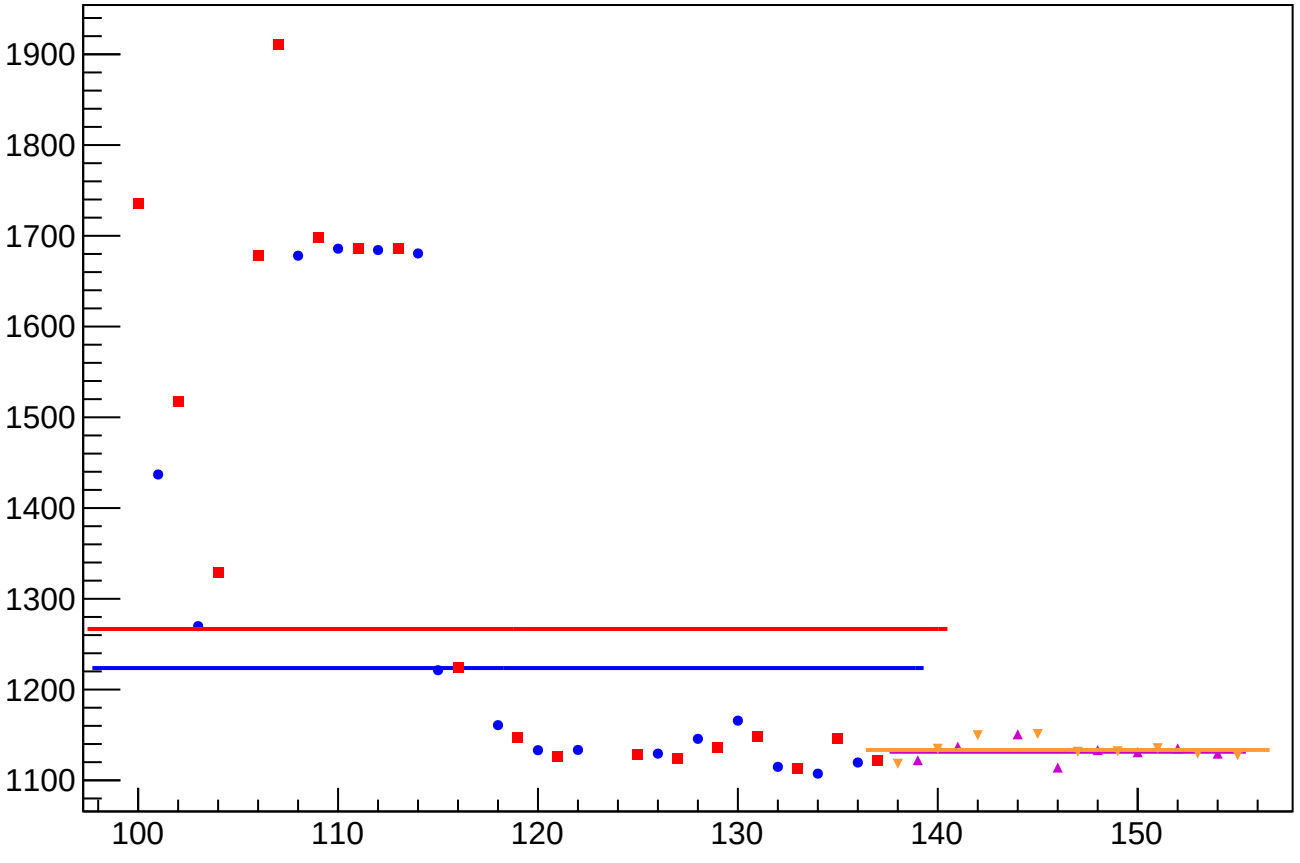
Left In: 41.339+/-427.023 χ^2/NDF:7.9/7

+ sign -172.176+/-312.788 χ^2/NDF: 20.1/24

All: -146.853+/-222.837 χ^2/NDF: 53.1/50

- sign -120.754+/-317.544 χ^2/NDF: 33.0/25

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.459+/-0.302 χ^2/NDF:923.1/8

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

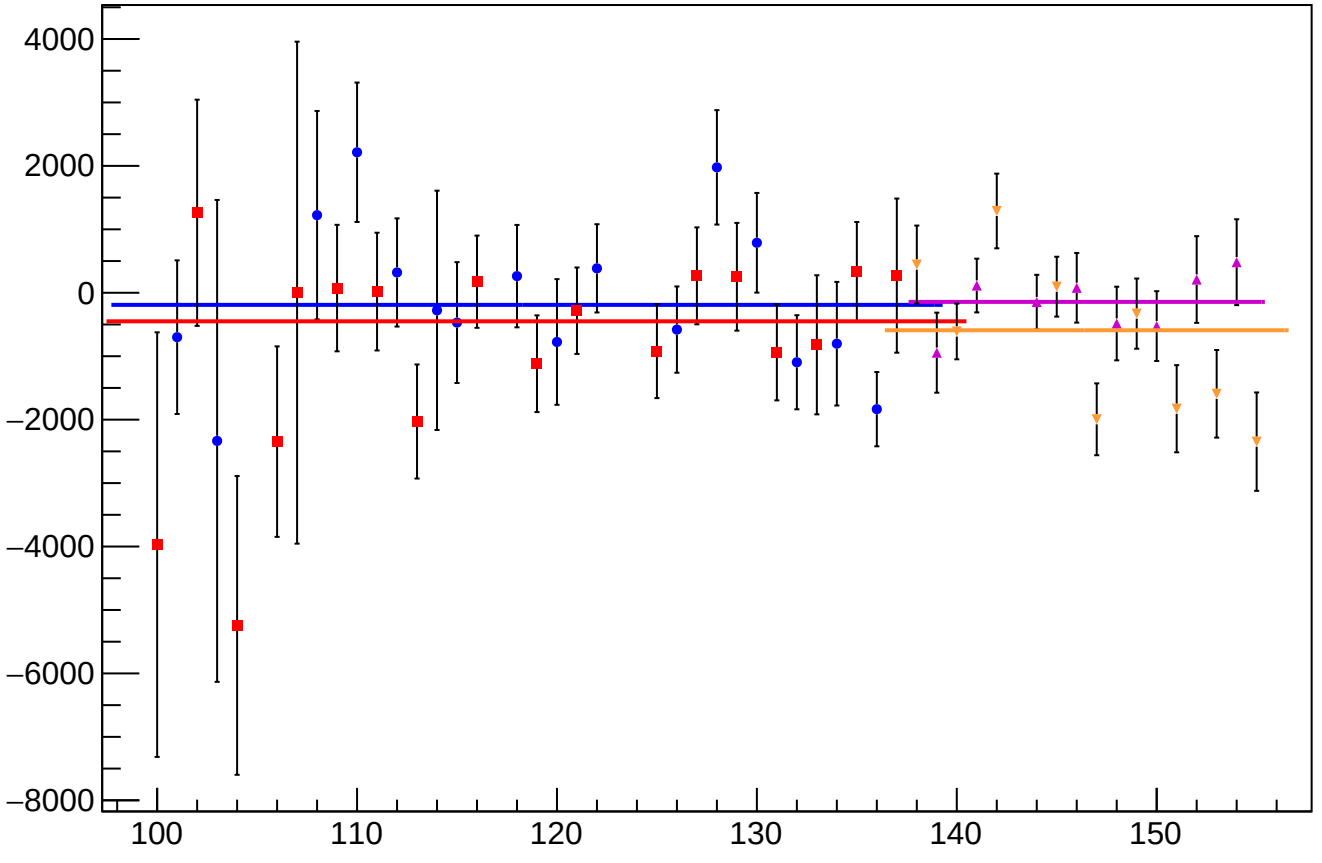
Left In: 1131.476+/-0.302 χ^2/NDF:1130.0/7

+ sign 1175.327+/-0.221 χ^2/NDF: 337294.8/24

All: 1183.518+/-0.158 χ^2/NDF: 863814.7/50

- sign 1191.960+/-0.225 χ^2/NDF: 523735.0/25

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -591.159+/-190.735 χ^2/NDF:32.0/8

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

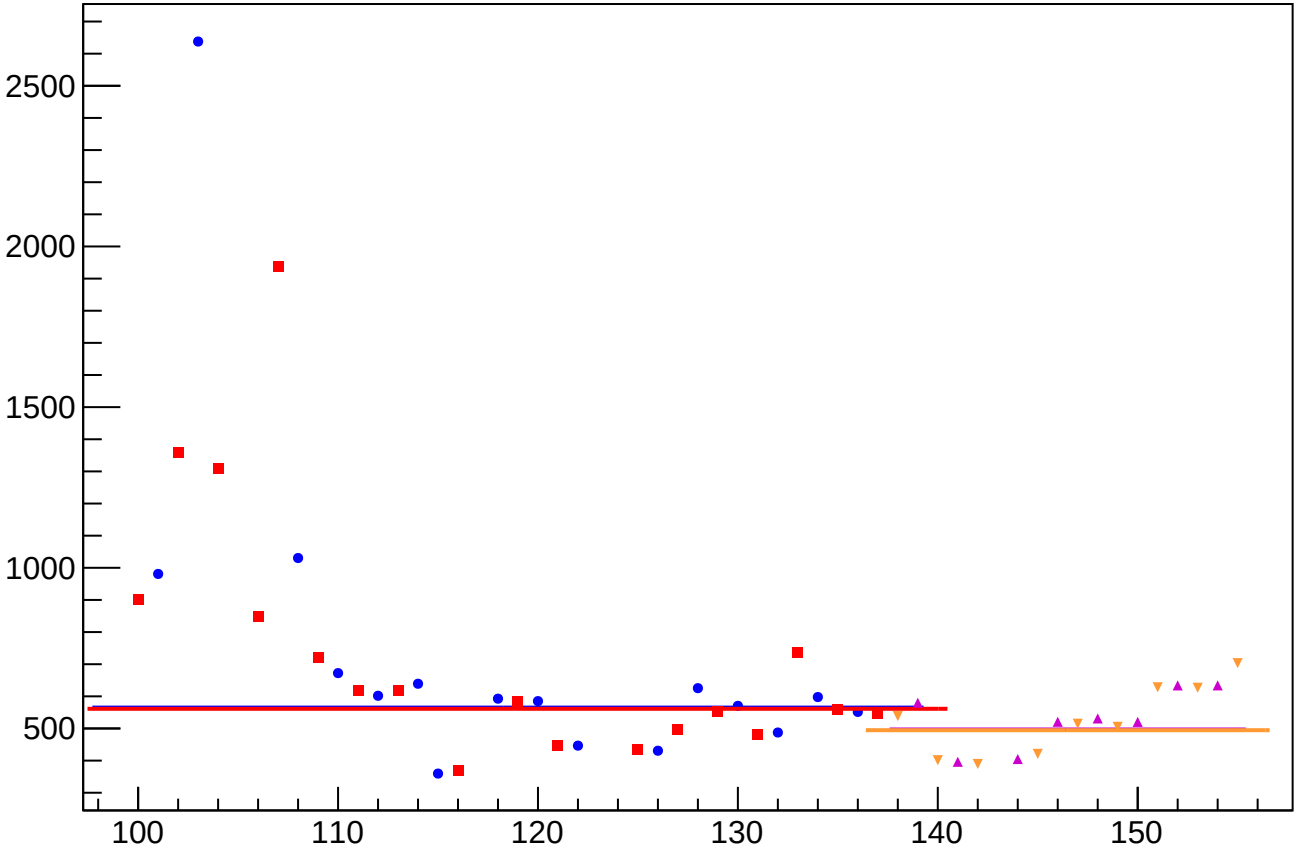
Left In: -143.680+/-190.854 χ^2/NDF:4.1/7

+ sign -421.828+/-144.912 χ^2/NDF: 59.1/24

All: -347.482+/-102.519 χ^2/NDF: 81.6/50

- sign -272.988+/-145.055 χ^2/NDF: 22.0/25

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 494.627+/-0.135 χ^2/NDF:510371.8/8

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

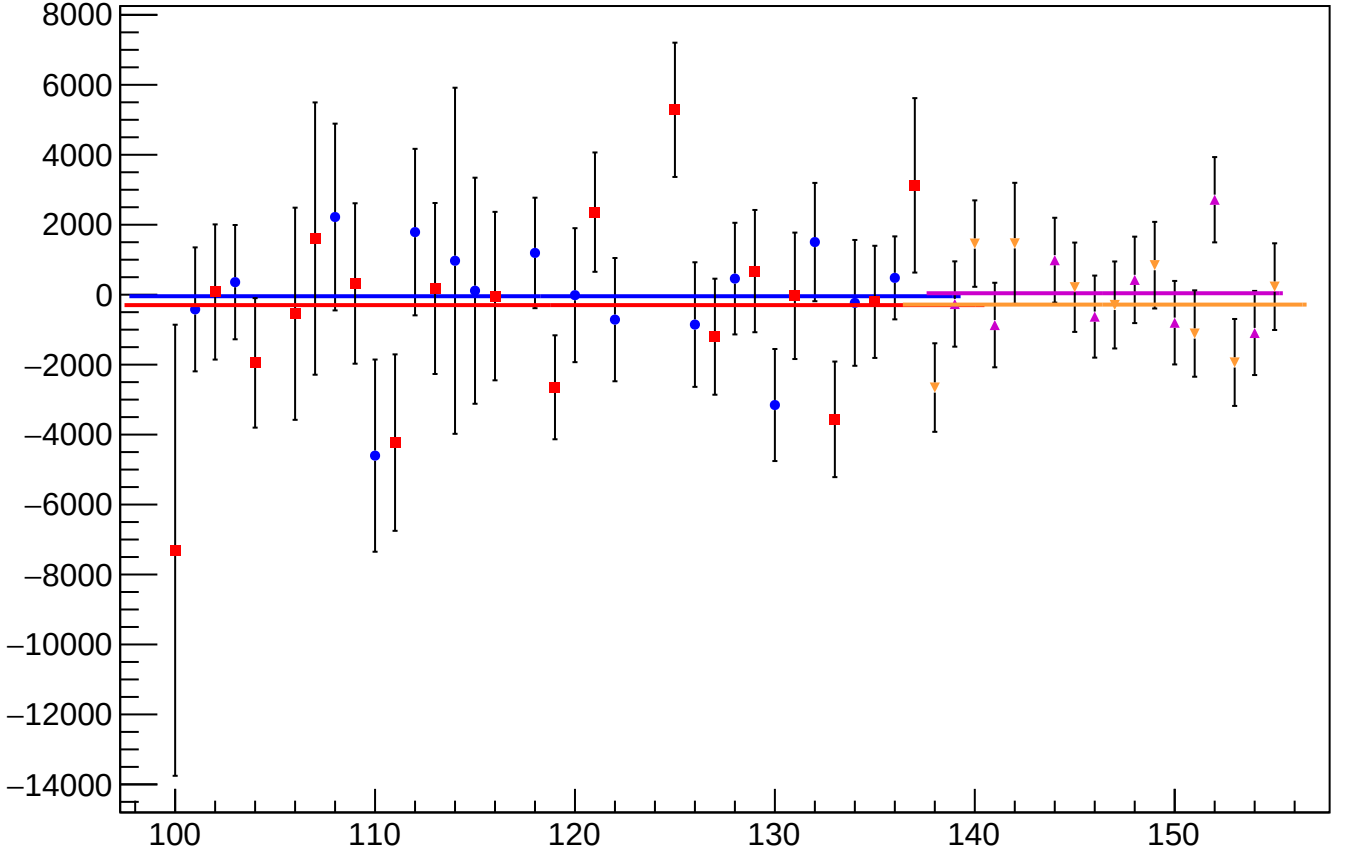
Left In: 496.870+/-0.135 χ^2/NDF:417112.8/7

+ sign 524.361+/-0.102 χ^2/NDF: 1909819.2/24

All: 524.210+/-0.072 χ^2/NDF: 3775271.3/50

- sign 524.058+/-0.103 χ^2/NDF: 1865447.8/25

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -283.300+/-427.209 χ^2/NDF:9.9/8

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

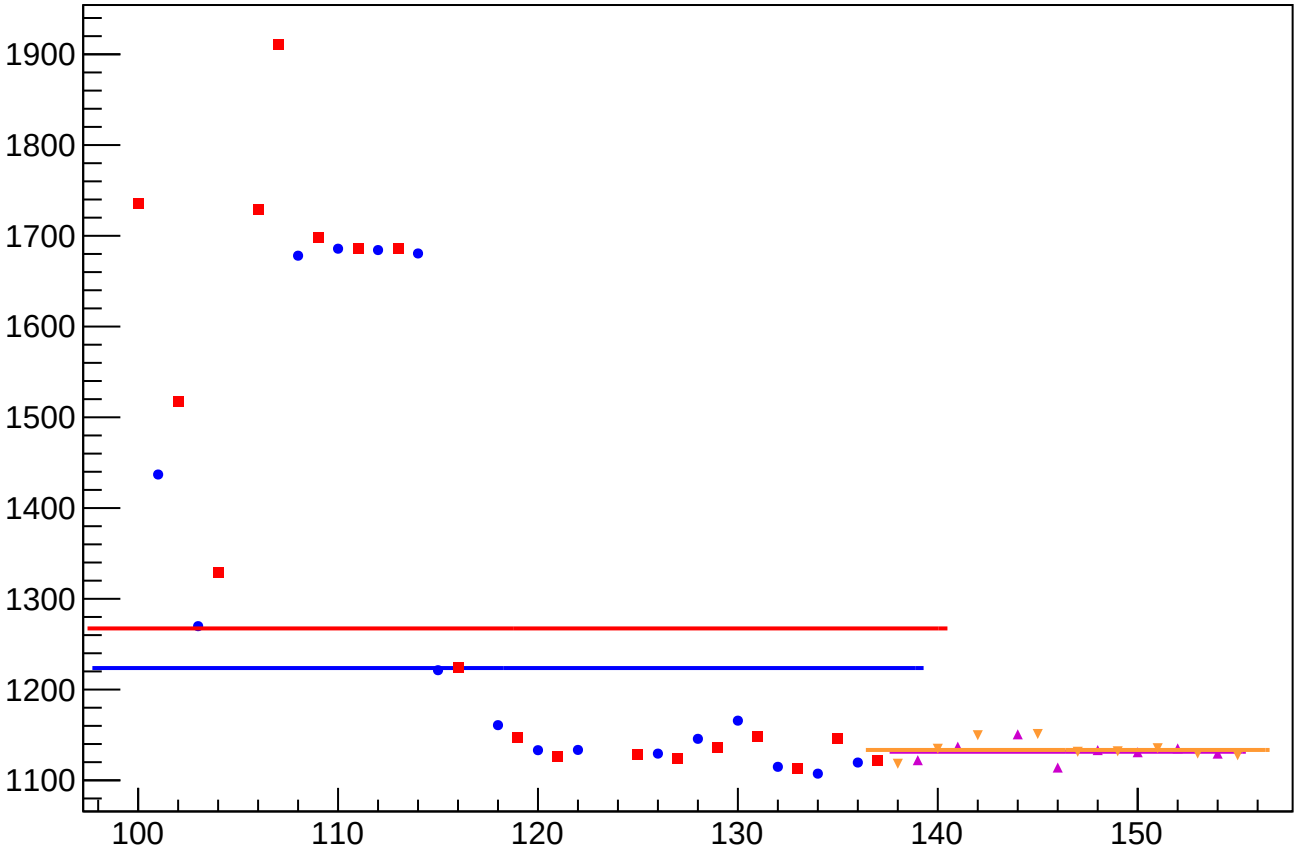
Left In: 41.399+/-427.023 χ^2/NDF:7.9/7

+ sign -172.245+/-312.788 χ^2/NDF: 20.1/24

All: -141.742+/-222.876 χ^2/NDF: 52.9/50

- sign -110.281+/-317.656 χ^2/NDF: 32.8/25

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.459+/-0.302 χ^2/NDF:923.1/8

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

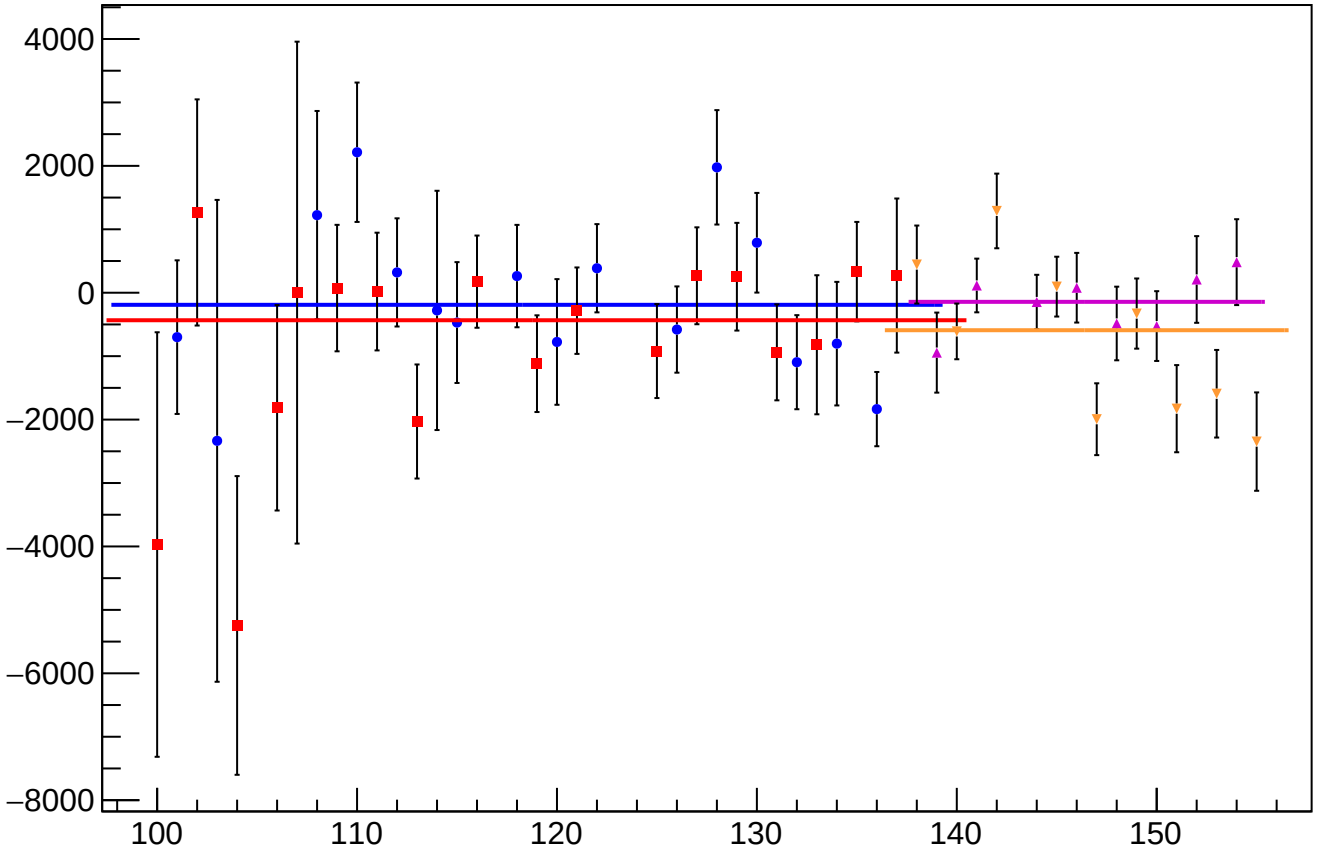
Left In: 1131.476+/-0.302 χ^2/NDF:1130.0/7

+ sign 1175.327+/-0.221 χ^2/NDF: 337294.9/24

All: 1183.617+/-0.158 χ^2/NDF: 871717.4/50

- sign 1192.168+/-0.225 χ^2/NDF: 531568.6/25

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -591.148+/-190.735 χ^2/NDF:32.0/8

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

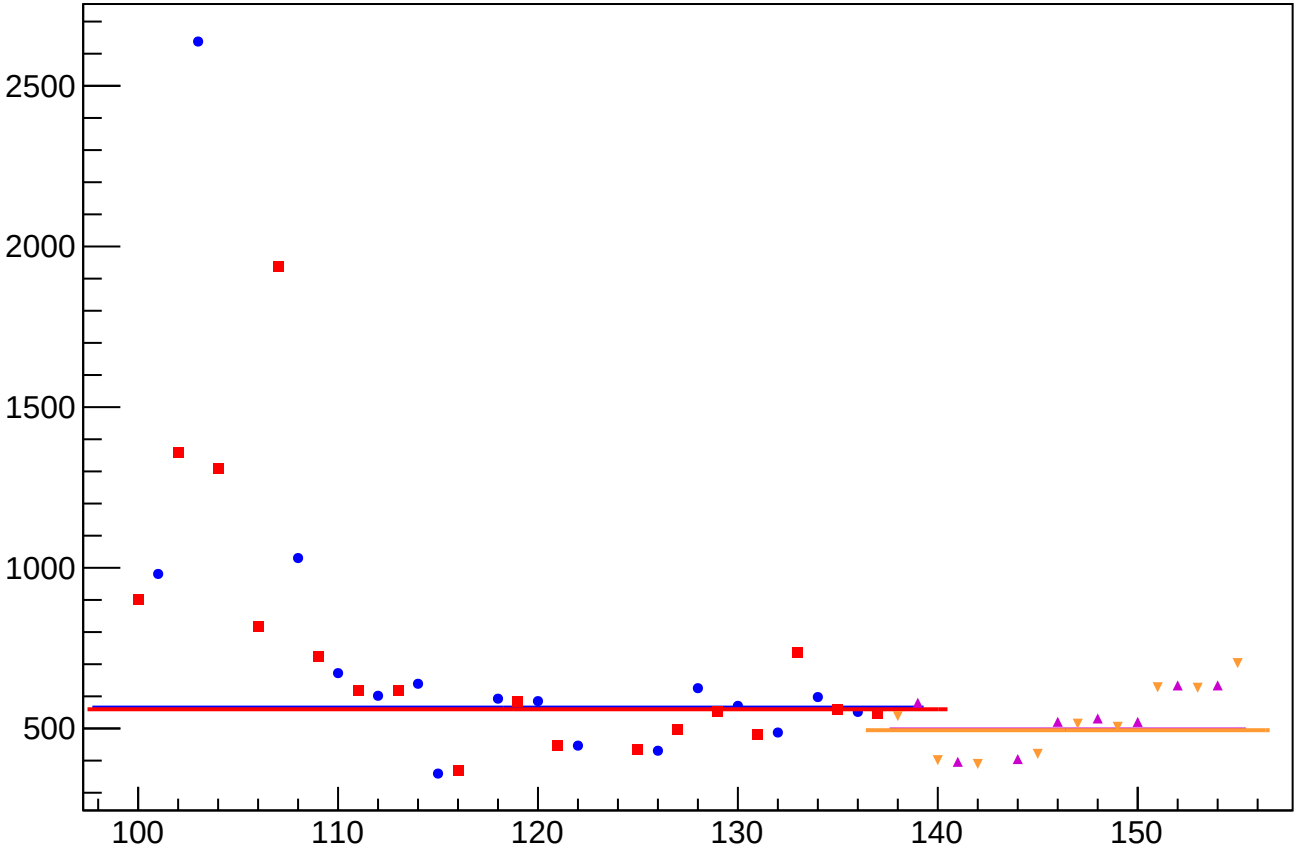
Left In: -143.684+/-190.853 χ^2/NDF:4.1/7

+ sign -421.825+/-144.911 χ^2/NDF: 59.1/24

All: -344.055+/-102.552 χ^2/NDF: 80.7/50

- sign -266.028+/-145.150 χ^2/NDF: 21.0/25

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 494.625+/-0.135 χ^2/NDF:510349.5/8

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

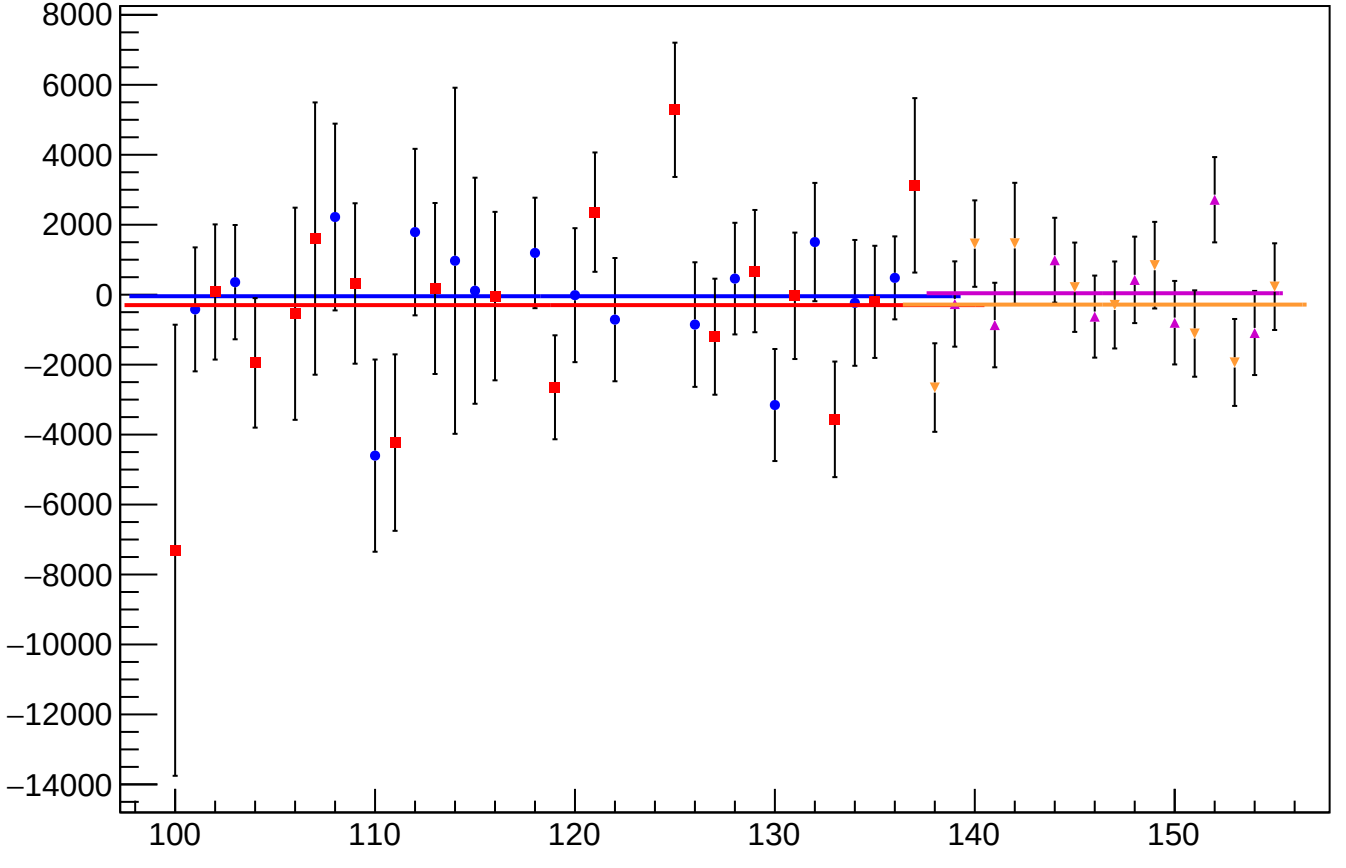
Left In: 496.871+/-0.135 χ^2/NDF:417077.0/7

+ sign 524.358+/-0.102 χ^2/NDF: 1909766.9/24

All: 523.872+/-0.073 χ^2/NDF: 3747793.0/50

- sign 523.384+/-0.103 χ^2/NDF: 1837980.9/25

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -283.300+/-427.209 χ^2/NDF:9.9/8

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

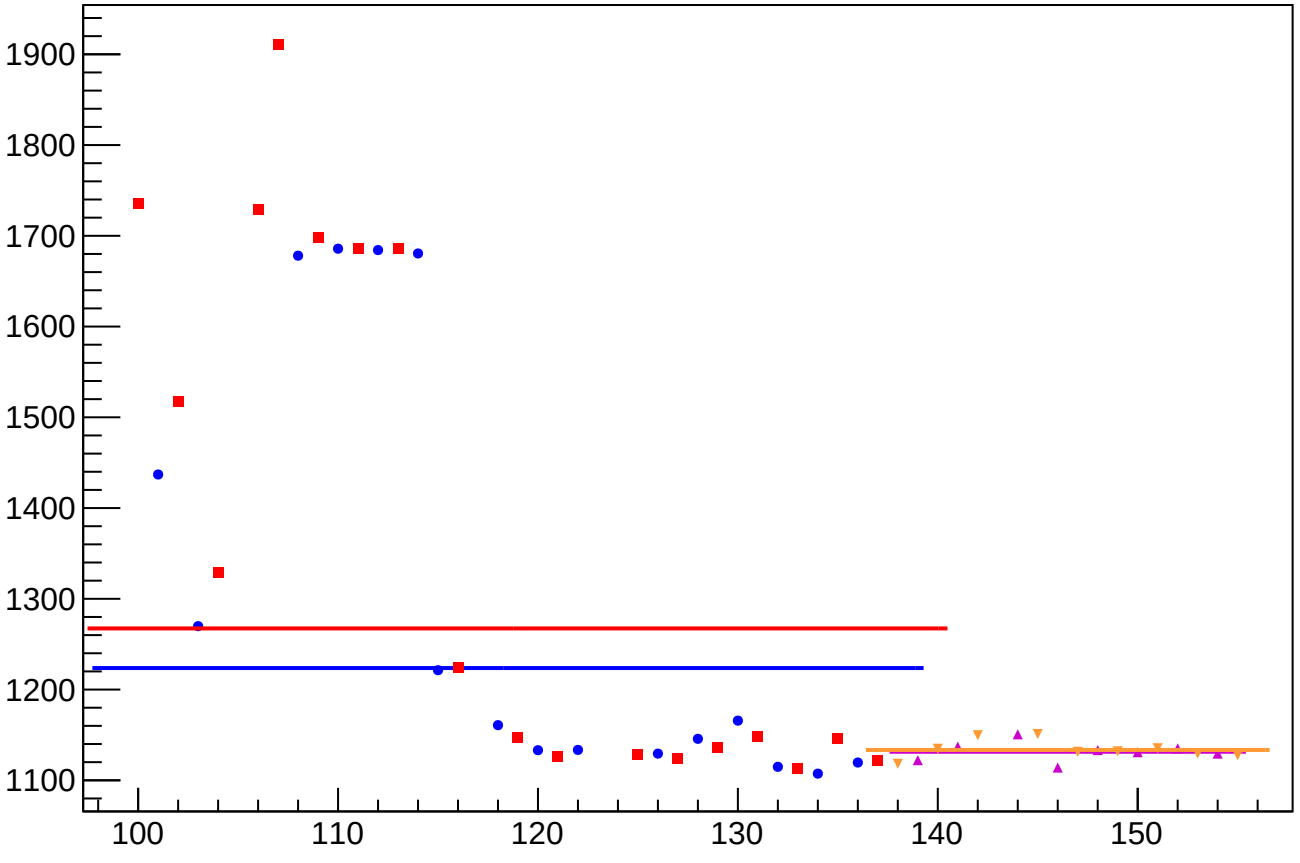
Left In: 41.399+/-427.023 χ^2/NDF:7.9/7

+ sign -172.245+/-312.788 χ^2/NDF: 20.1/24

All: -141.742+/-222.876 χ^2/NDF: 52.9/50

- sign -110.281+/-317.656 χ^2/NDF: 32.8/25

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.459+/-0.302 χ^2/NDF:923.1/8

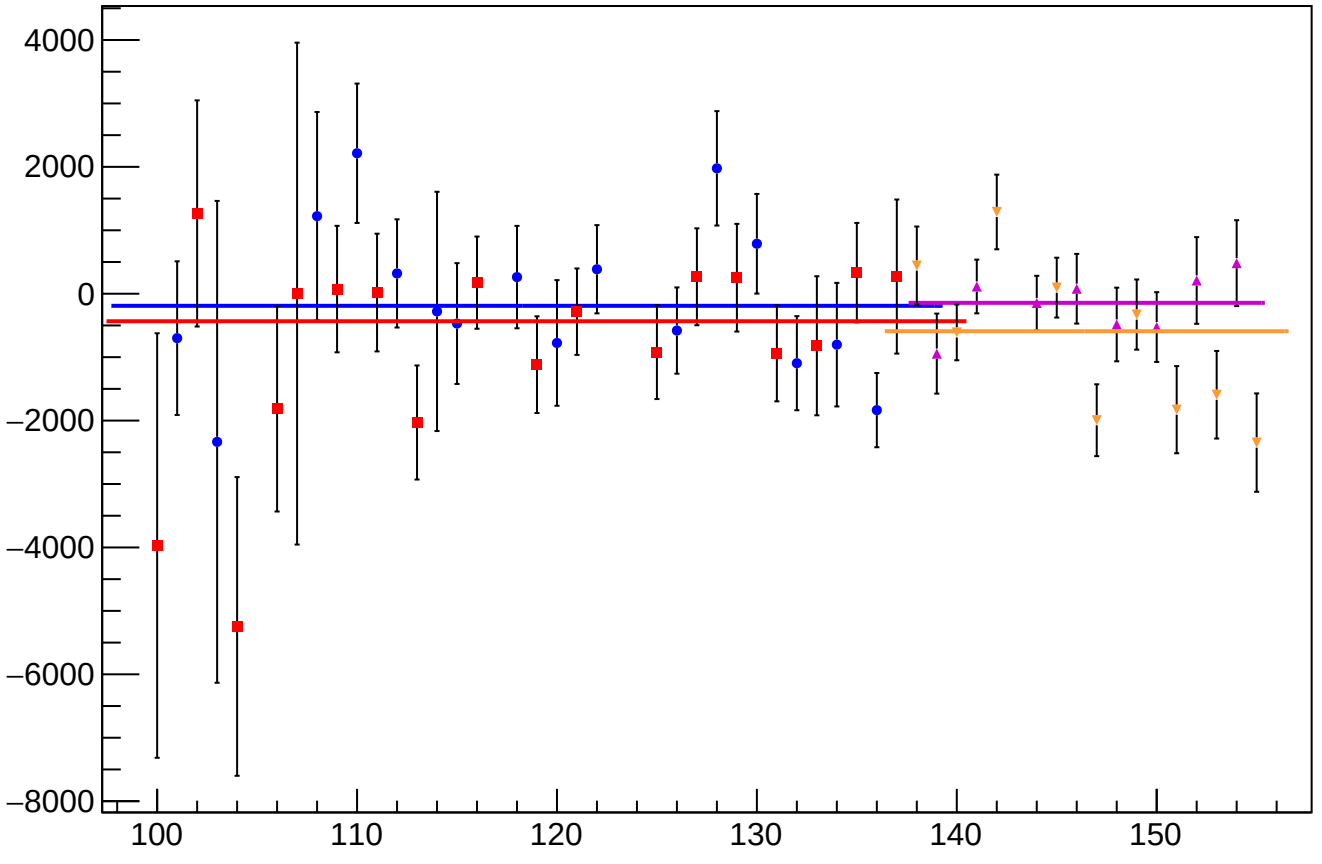
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.476+/-0.302 χ^2/NDF:1130.0/7

+ sign 1175.327+/-0.221 χ^2/NDF: 337294.9/24

All: 1183.617+/-0.158 χ^2/NDF: 871717.4/50

- sign 1192.168+/-0.225 χ^2/NDF: 531568.6/25



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -591.148+/-190.735 χ^2/NDF:32.0/8

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

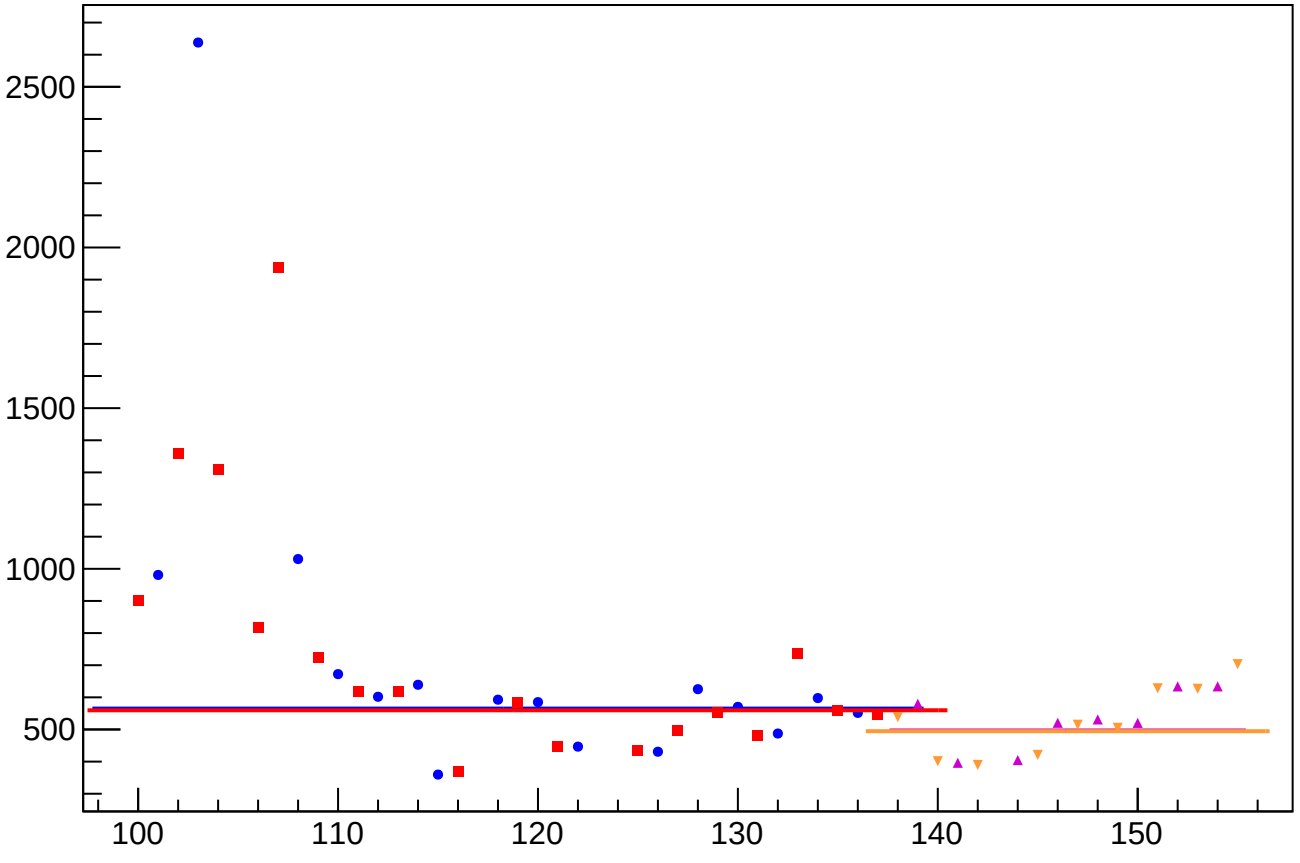
Left In: -143.684+/-190.853 χ^2/NDF:4.1/7

+ sign -421.825+/-144.911 χ^2/NDF: 59.1/24

All: -344.055+/-102.552 χ^2/NDF: 80.7/50

- sign -266.028+/-145.150 χ^2/NDF: 21.0/25

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 494.625+/-0.135 χ^2/NDF:510349.5/8

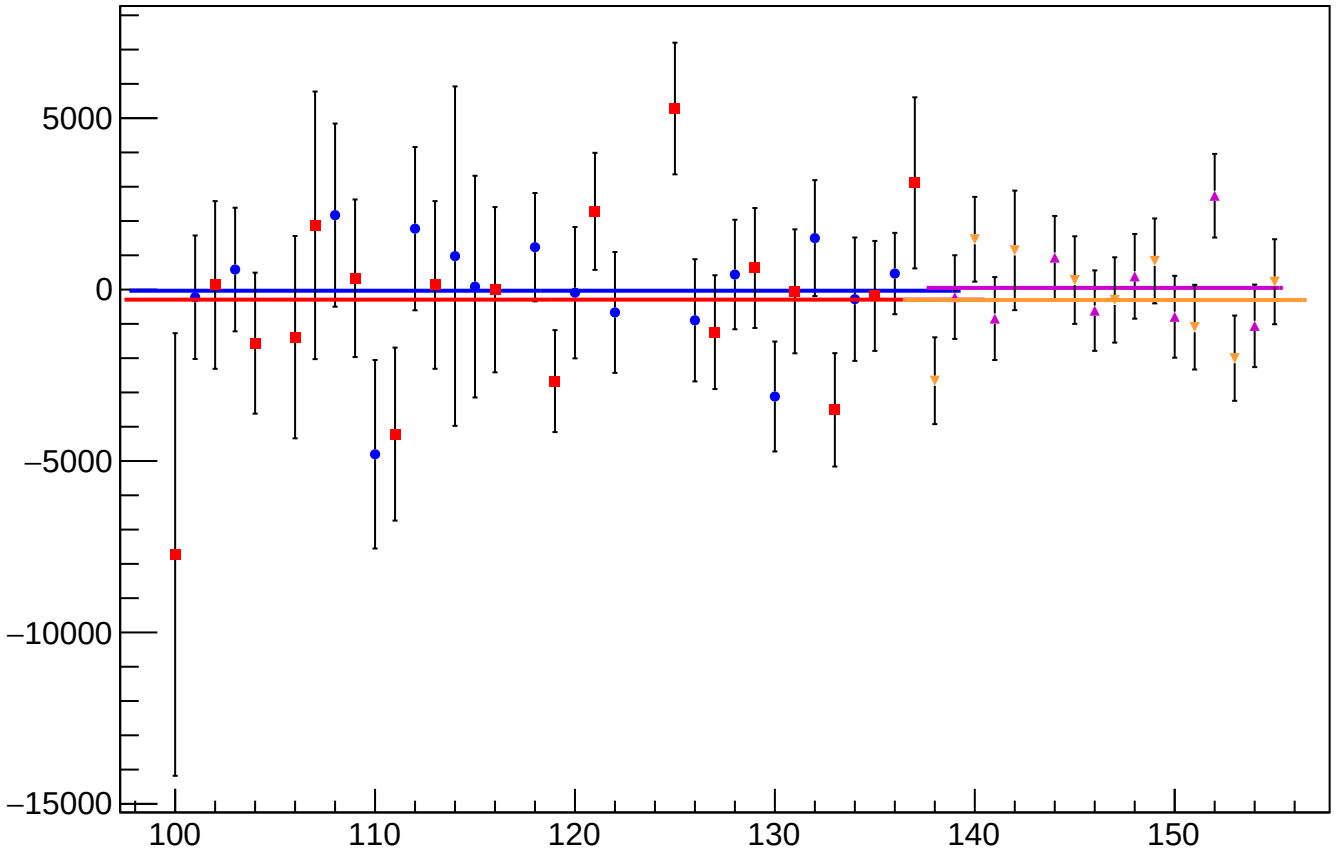
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 496.871+/-0.135 χ^2/NDF:417077.0/7

+ sign 524.358+/-0.102 χ^2/NDF: 1909766.9/24

All: 523.872+/-0.073 χ^2/NDF: 3747793.0/50

- sign 523.384+/-0.103 χ^2/NDF: 1837980.9/25



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -304.180+/-427.547 χ^2/NDF:9.7/8

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

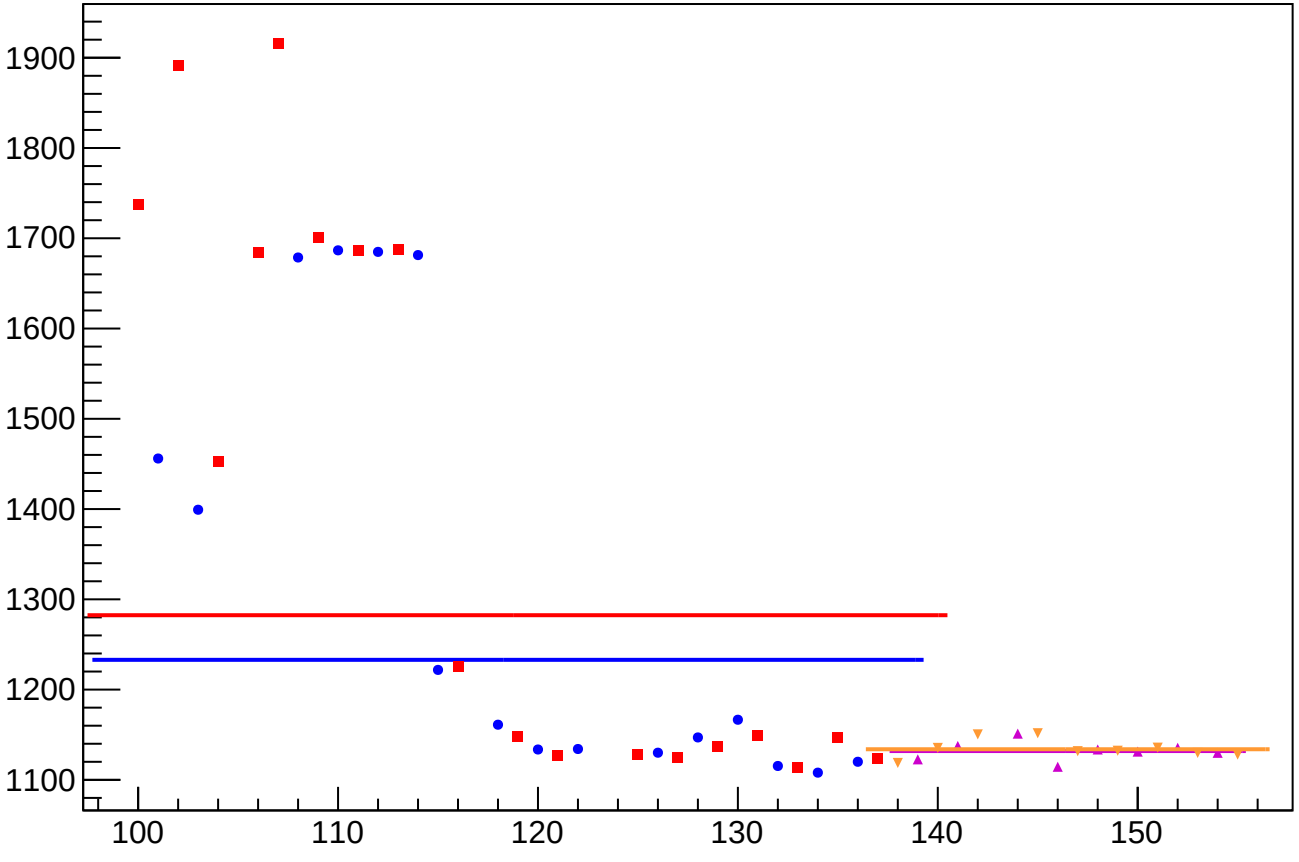
Left In: 49.628+/-427.189 χ^2/NDF:7.7/7

+ sign -179.460+/-314.176 χ^2/NDF: 20.2/24

All: -140.798+/-224.267 χ^2/NDF: 52.4/50

- sign -100.632+/-320.233 χ^2/NDF: 32.2/25

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1133.909+/-0.302 χ^2/NDF:933.6/8

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

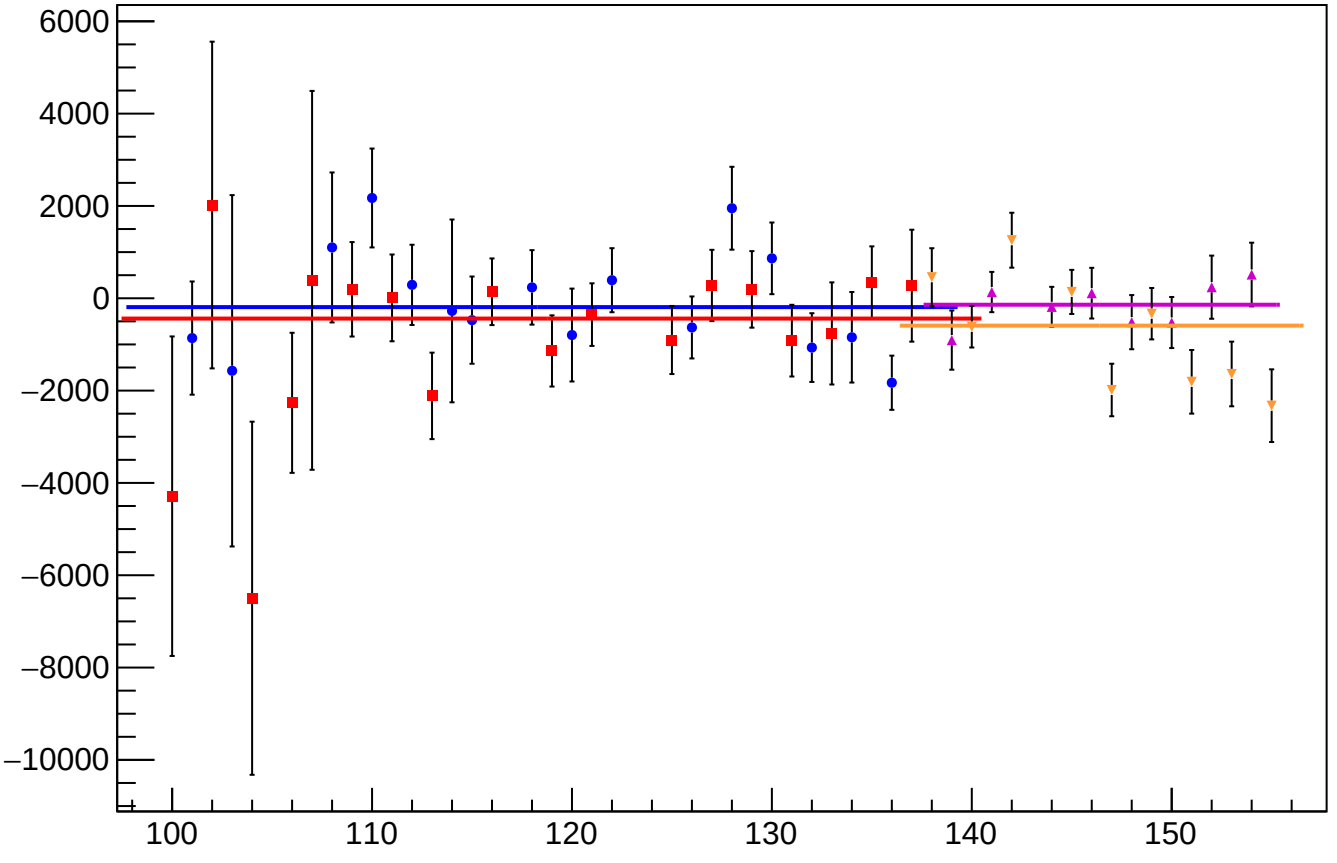
Left In: 1131.915+/-0.302 χ^2/NDF:1130.3/7

+ sign 1179.477+/-0.222 χ^2/NDF: 365790.2/24

All: 1188.483+/-0.159 χ^2/NDF: 1022405.2/50

- sign 1197.839+/-0.226 χ^2/NDF: 653264.2/25

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -592.490+/-193.286 χ^2/NDF:31.2/8

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

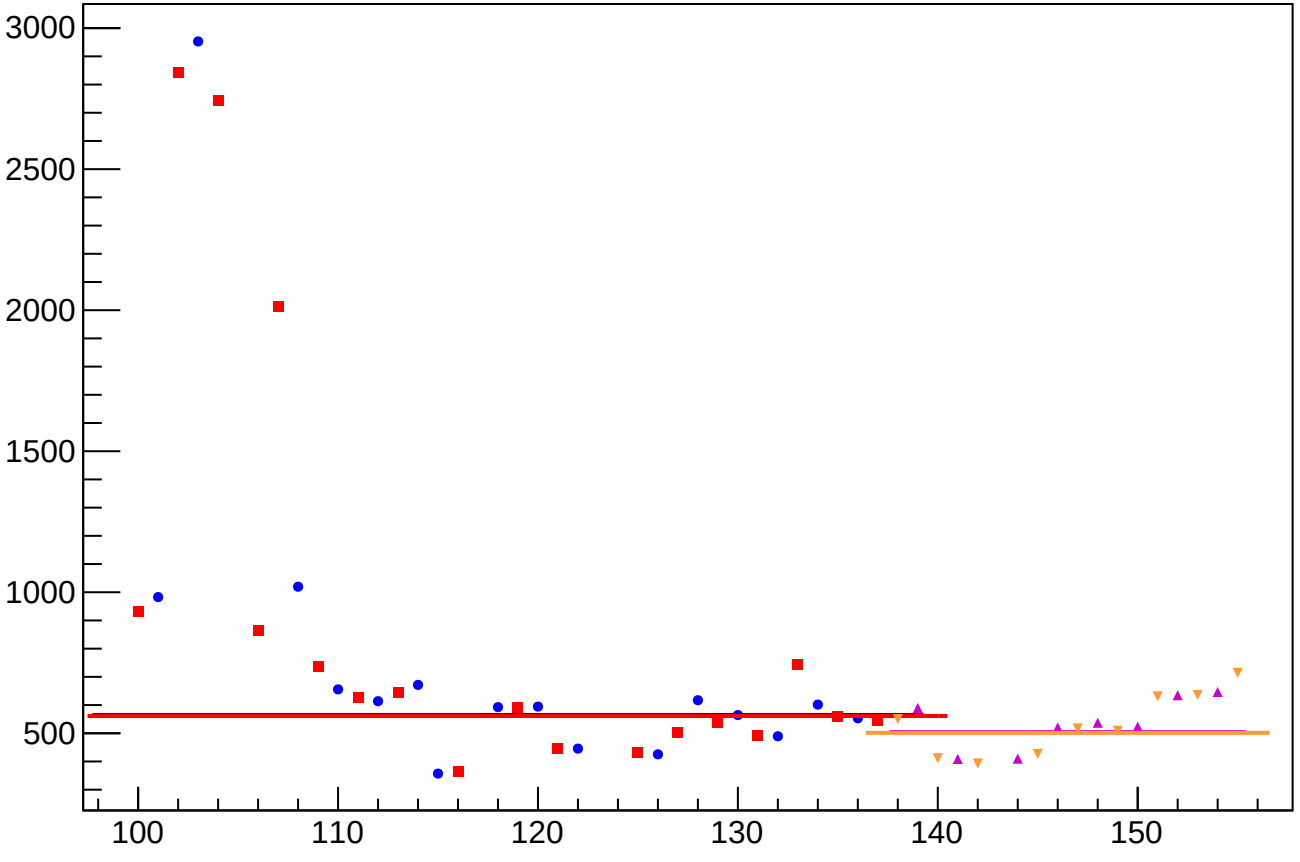
Left In: -139.891+/-193.420 χ^2/NDF:4.2/7

\+ sign -420.276+/-145.991 χ^2/NDF: 58.4/24

All: -343.839+/-103.626 χ^2/NDF: 78.7/50

\- sign -266.221+/-147.114 χ^2/NDF: 19.8/25

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 501.584+/-0.137 χ^2/NDF:500387.3/8

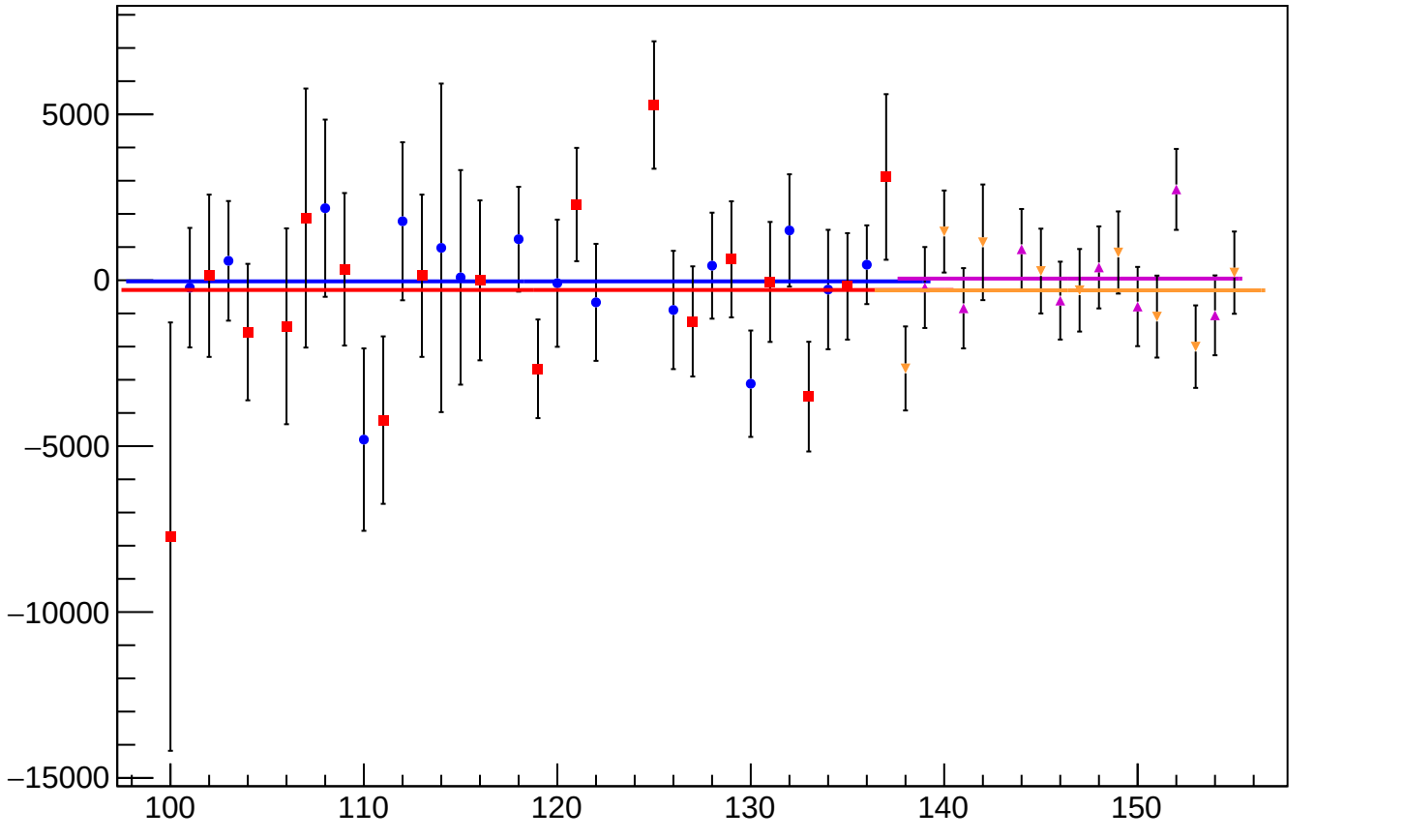
Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 504.183+/-0.137 χ^2/NDF:393914.5/7

\+ sign 528.766+/-0.103 χ^2/NDF: 2072856.3/24

All: 528.508+/-0.073 χ^2/NDF: 4813595.4/50

\- sign 528.246+/-0.104 χ^2/NDF: 2740726.6/25



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -304.184+/-427.547 χ^2/NDF:9.7/8

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

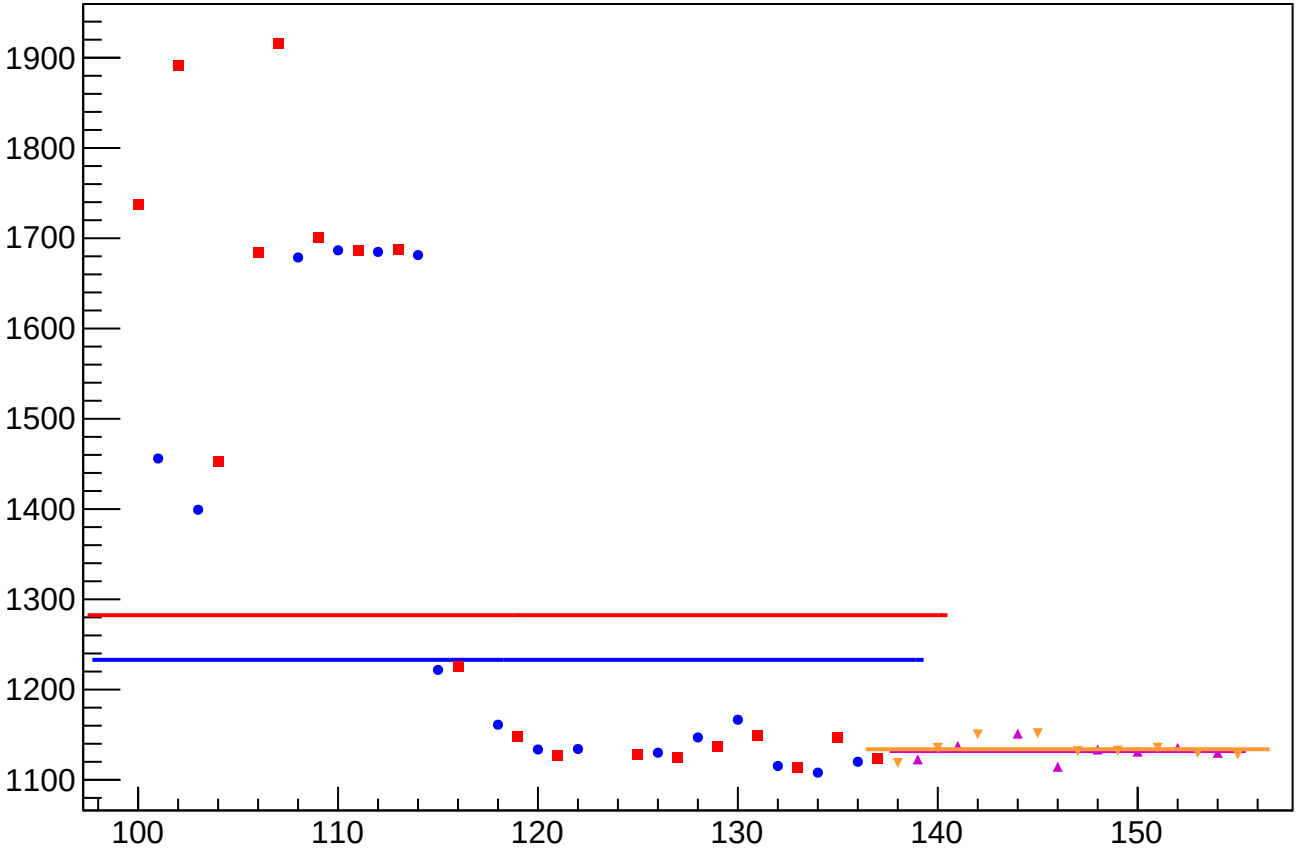
Left In: 49.627+/-427.189 χ^2/NDF:7.7/7

+ sign -179.462+/-314.176 χ^2/NDF: 20.2/24

All: -140.800+/-224.267 χ^2/NDF: 52.4/50

- sign -100.632+/-320.233 χ^2/NDF: 32.2/25

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1133.909+/-0.302 χ^2/NDF:933.6/8

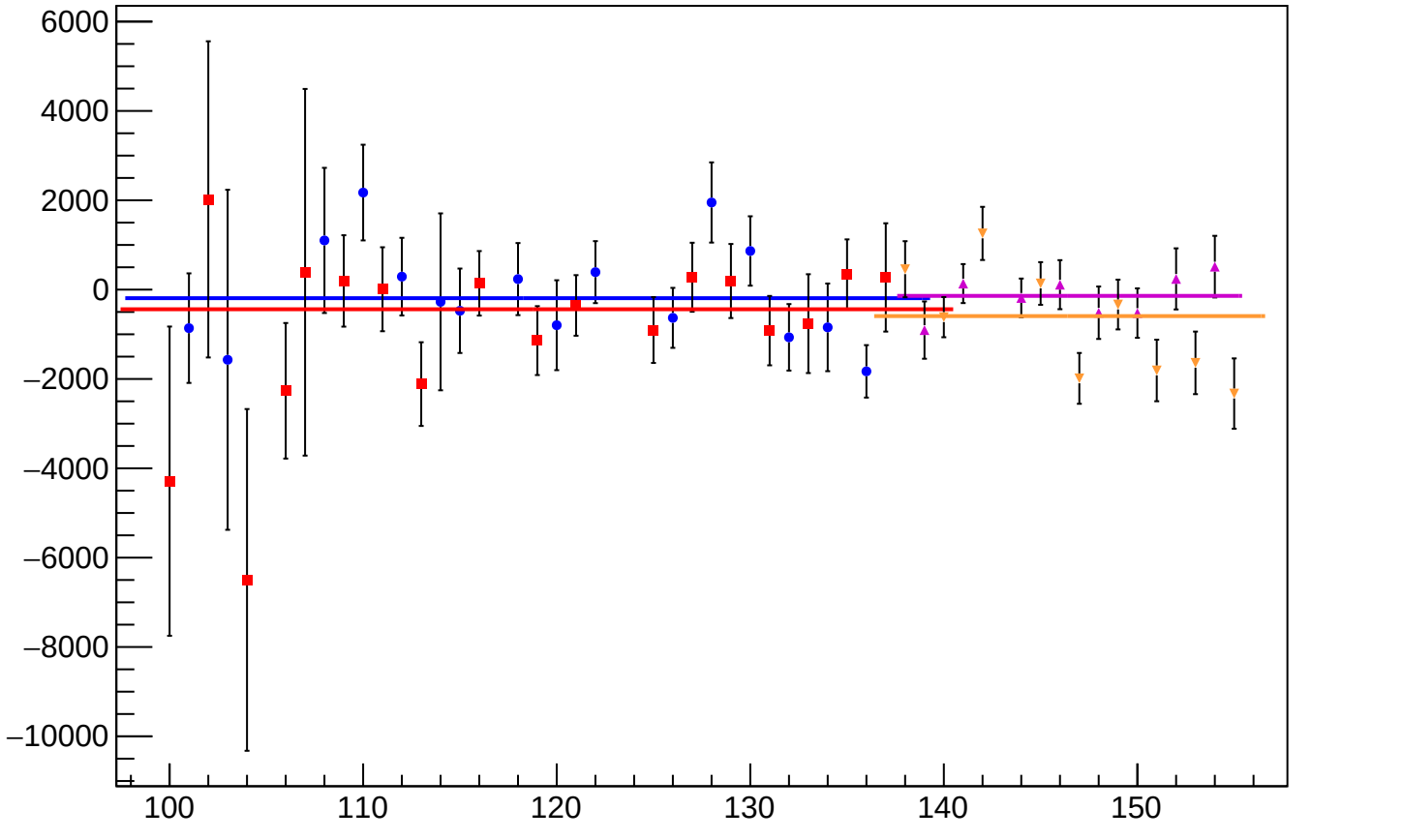
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.915+/-0.302 χ^2/NDF:1130.3/7

+ sign 1179.477+/-0.222 χ^2/NDF: 365789.7/24

All: 1188.483+/-0.159 χ^2/NDF: 1022404.0/50

- sign 1197.839+/-0.226 χ^2/NDF: 653263.6/25



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -592.488+/-193.285 χ^2/NDF:31.2/8

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

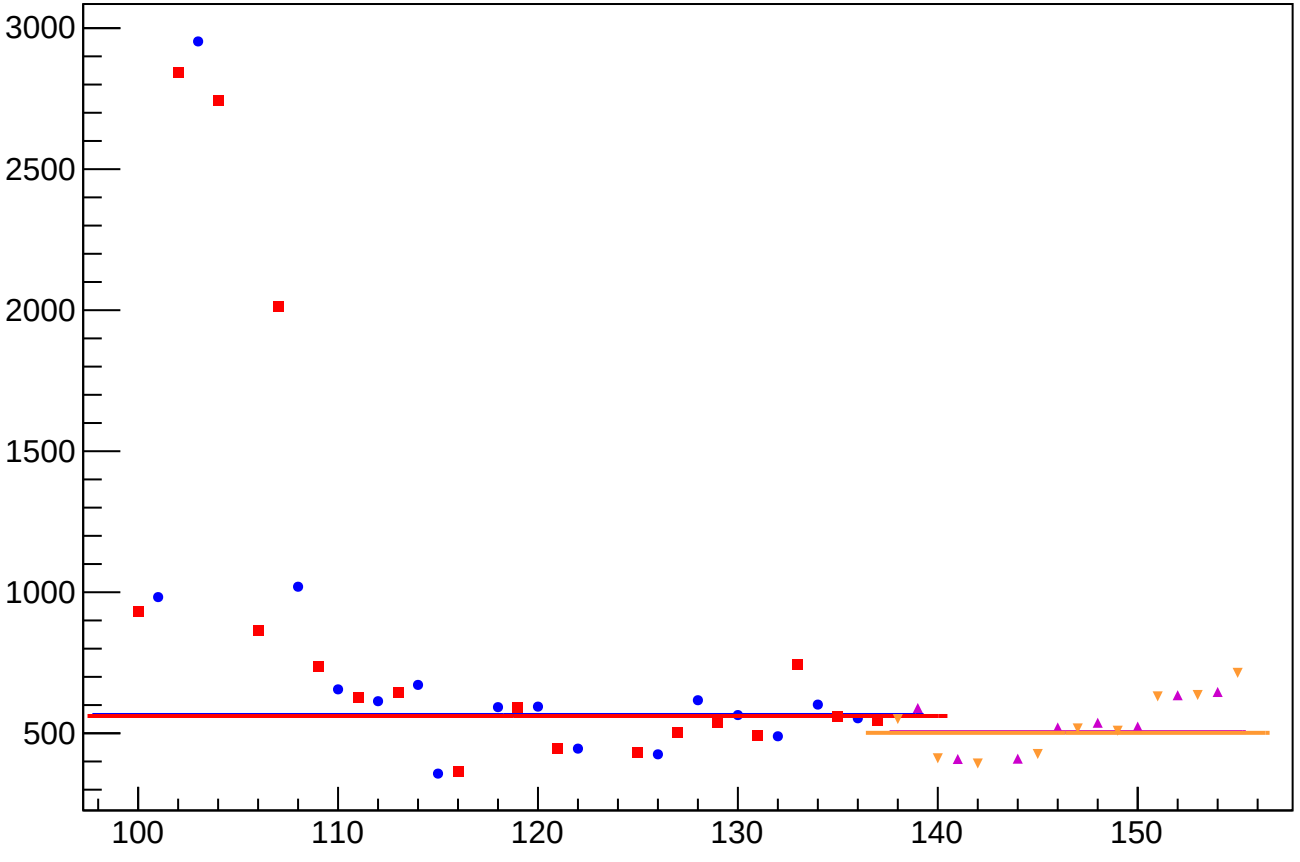
Left In: -139.891+/-193.420 χ^2/NDF:4.2/7

+ sign -420.275+/-145.991 χ^2/NDF: 58.4/24

All: -343.838+/-103.626 χ^2/NDF: 78.7/50

- sign -266.221+/-147.114 χ^2/NDF: 19.8/25

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 501.583+/-0.137 χ^2/NDF:500404.2/8

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

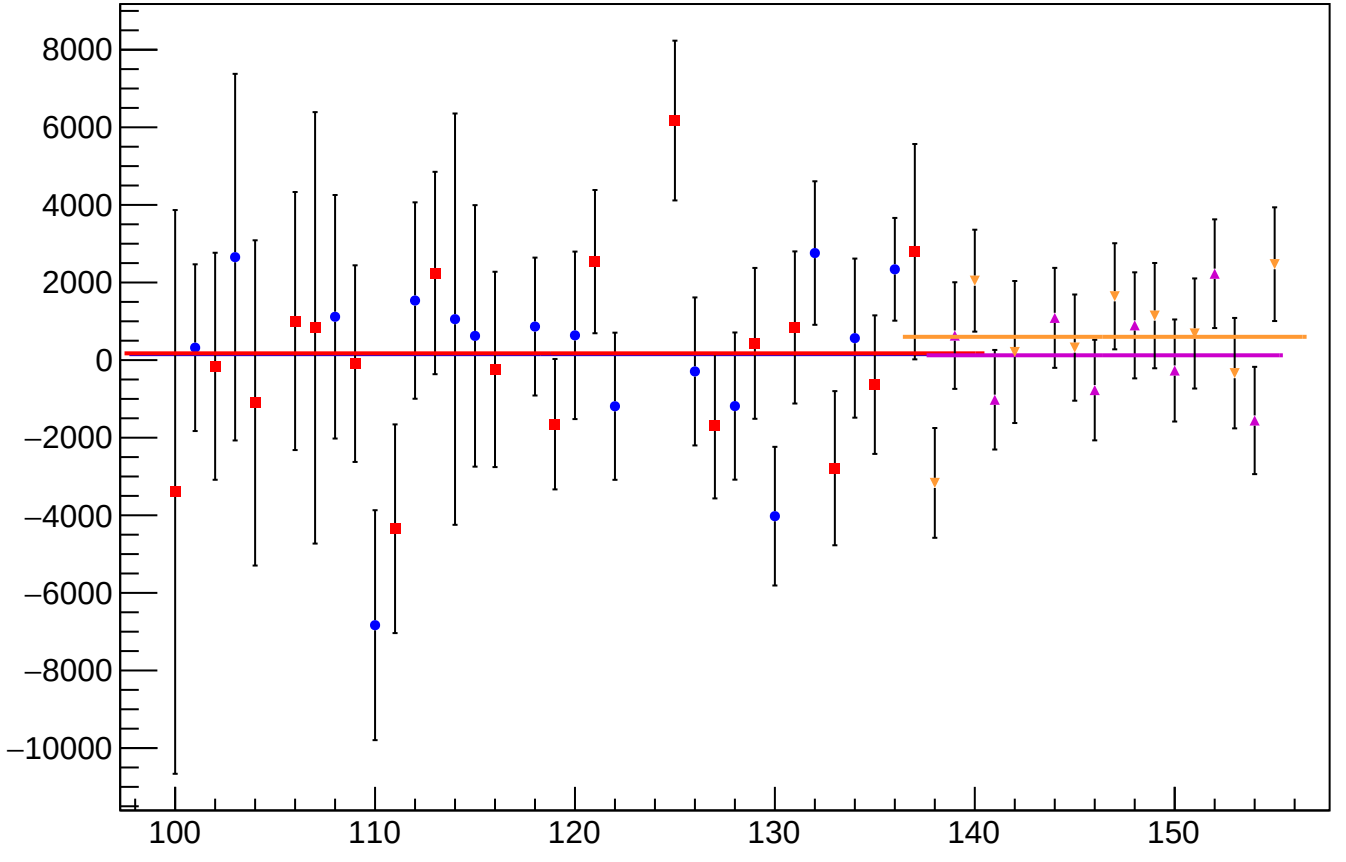
Left In: 504.183+/-0.137 χ^2/NDF:393926.0/7

+ sign 528.765+/-0.103 χ^2/NDF: 2072872.9/24

All: 528.507+/-0.073 χ^2/NDF: 4813625.2/50

- sign 528.246+/-0.104 χ^2/NDF: 2740739.8/25

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 600.129+/-474.303 χ^2/NDF:11.2/8

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

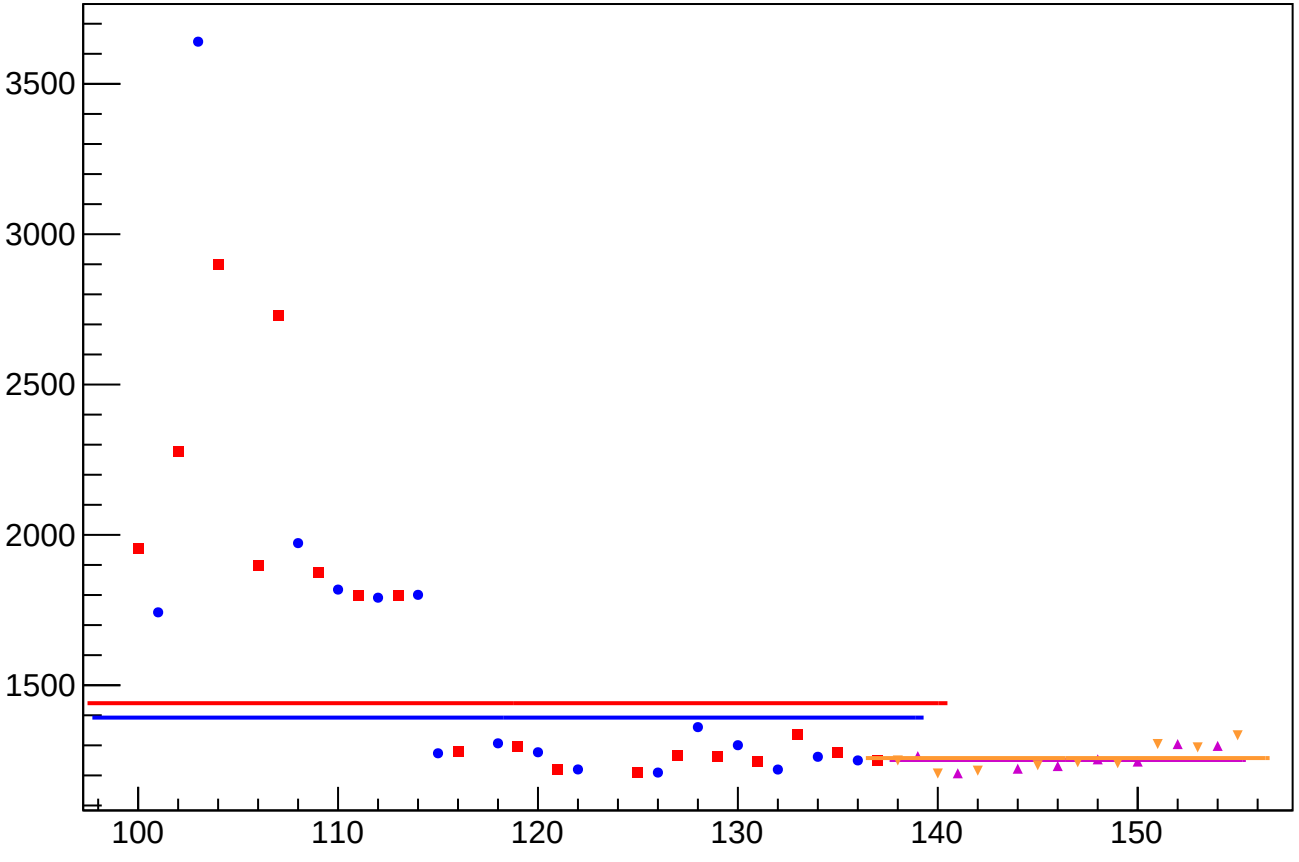
Left In: 123.921+/-472.453 χ^2/NDF:6.1/7

+ sign 402.322+/-354.059 χ^2/NDF: 29.3/24

All: 275.392+/-251.887 χ^2/NDF: 55.4/50

- sign 145.312+/-358.425 χ^2/NDF: 25.8/25

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1257.697+/-0.335 χ^2/NDF:14061.3/8

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

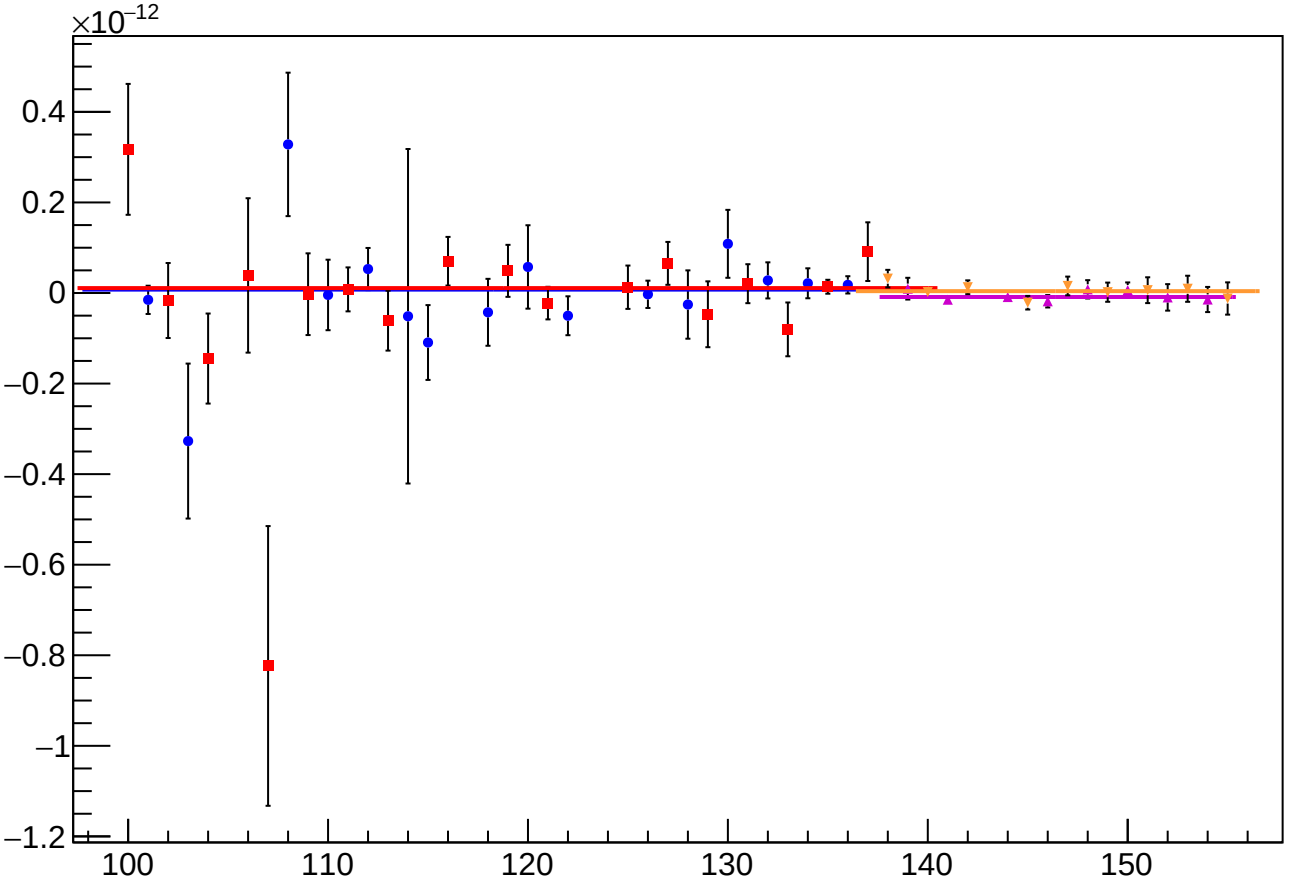
Left In: 1251.405+/-0.334 χ^2/NDF:9226.5/7

+ sign 1317.294+/-0.250 χ^2/NDF: 864618.8/24

All: 1324.334+/-0.178 χ^2/NDF: 1865921.9/50

- sign 1331.549+/-0.253 χ^2/NDF: 999701.8/25

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

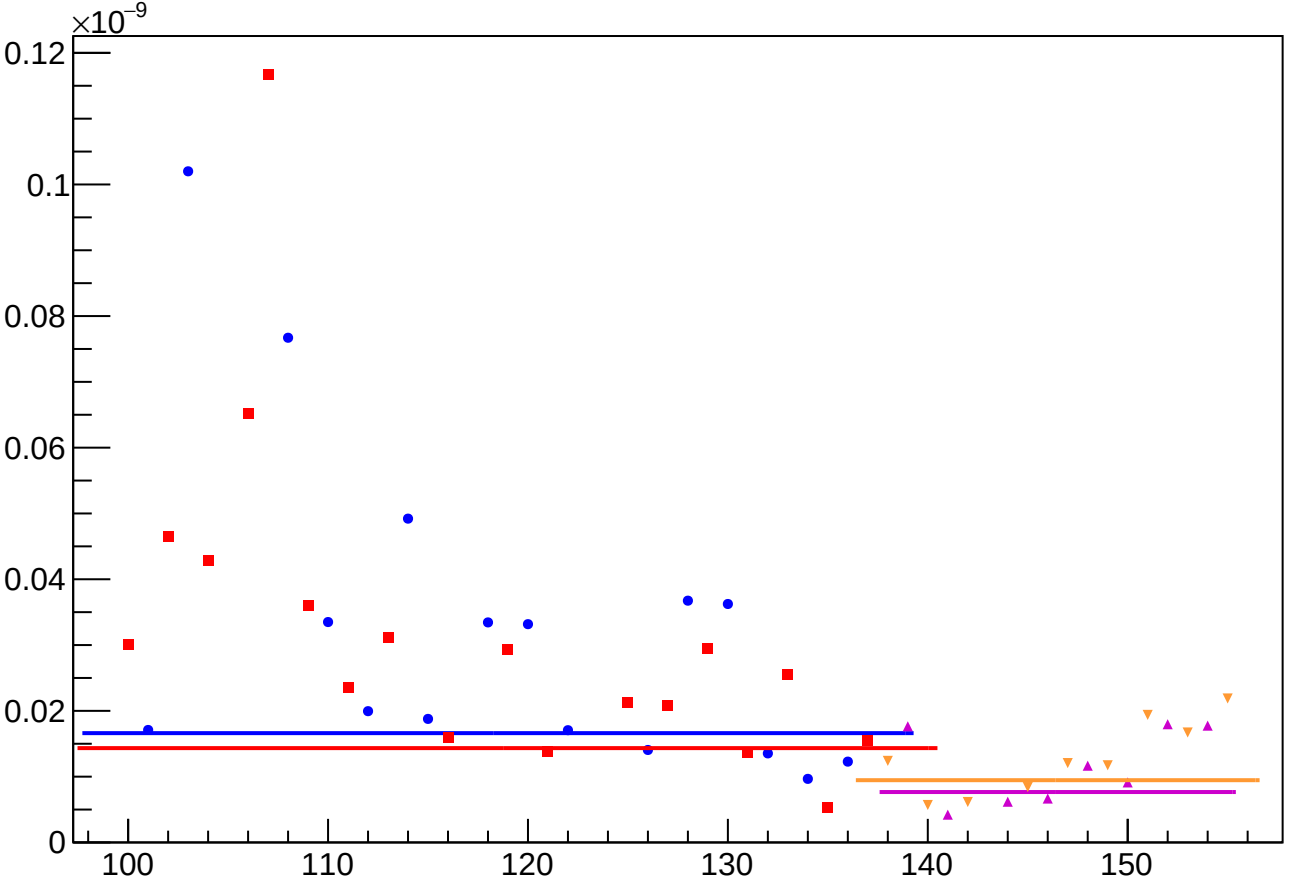
Left In: -0.000+/-0.000 χ^2/NDF:3.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/24

All: -0.000+/-0.000 χ^2/NDF: 54.5/50

- sign -0.000+/-0.000 χ^2/NDF: 29.8/25

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1048079.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

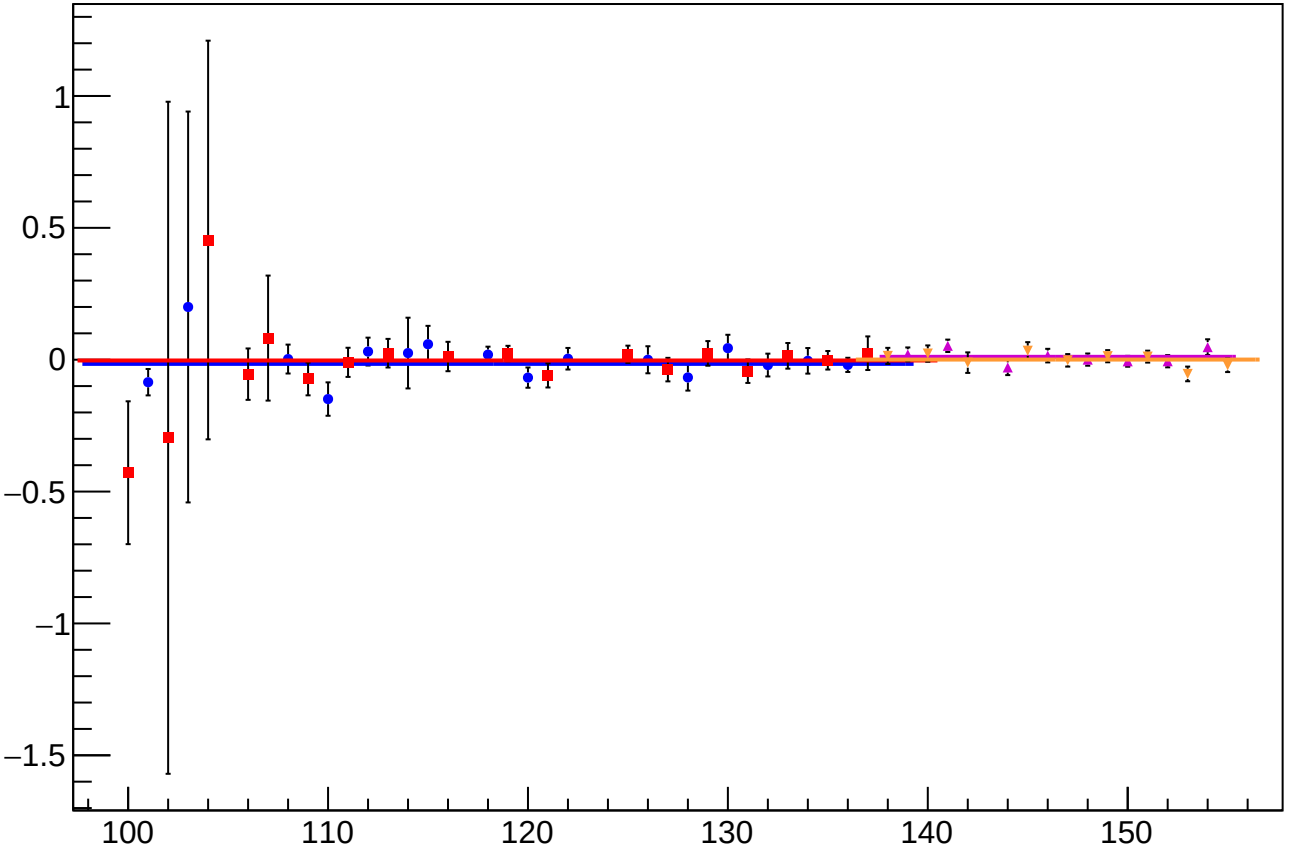
Left In: 0.000+/-0.000 χ^2/NDF:1270120.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 3282341.9/24

All: 0.000+/-0.000 χ^2/NDF: 7628654.2/50

- sign 0.000+/-0.000 χ^2/NDF: 4162332.2/25

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: 0.001+/-0.009 χ^2/NDF:7.0/8

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

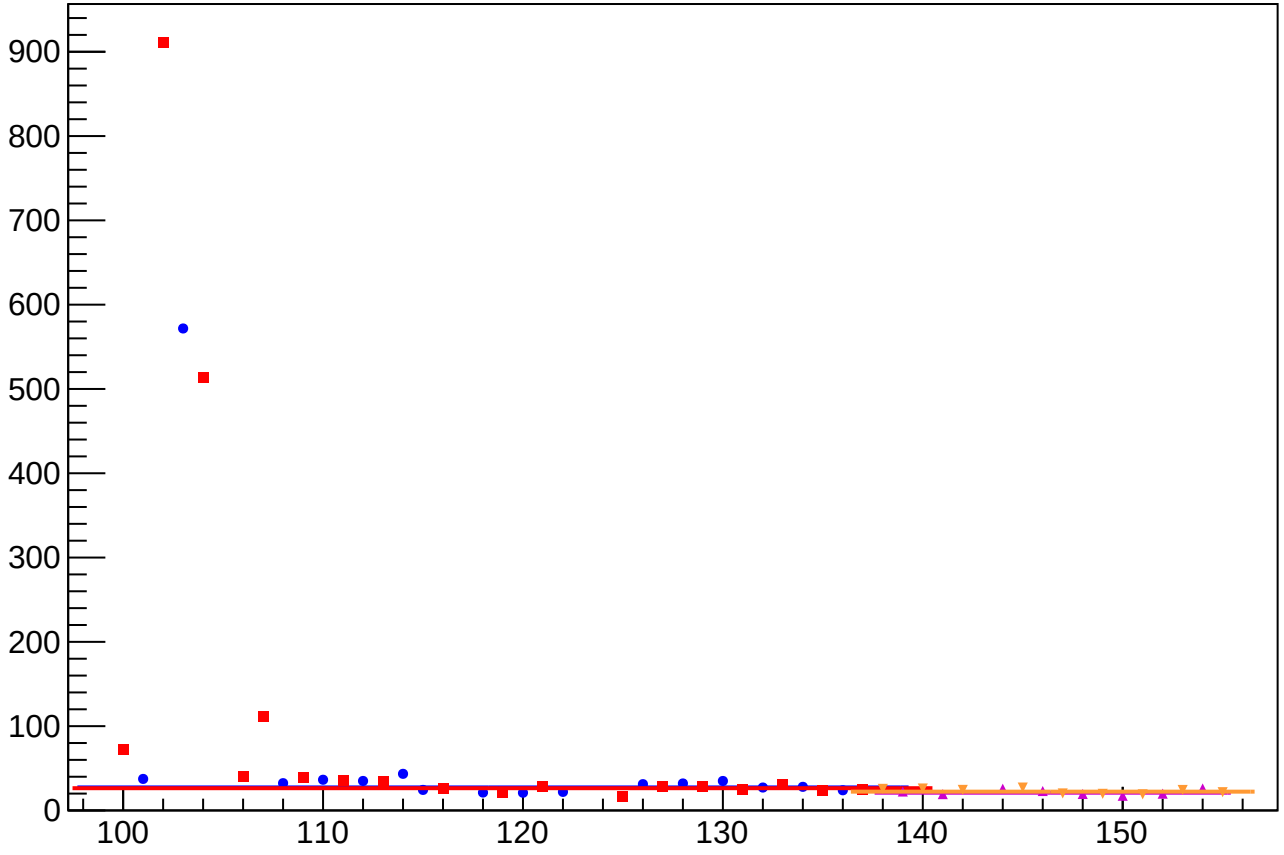
Left In: 0.011+/-0.009 χ^2/NDF:8.2/7

\+ sign -0.006+/-0.007 χ^2/NDF: 22.9/24

All: 0.000+/-0.005 χ^2/NDF: 43.1/50

\- sign 0.006+/-0.007 χ^2/NDF: 18.9/25

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: 22.309+/-0.006 χ^2/NDF:194239.5/8

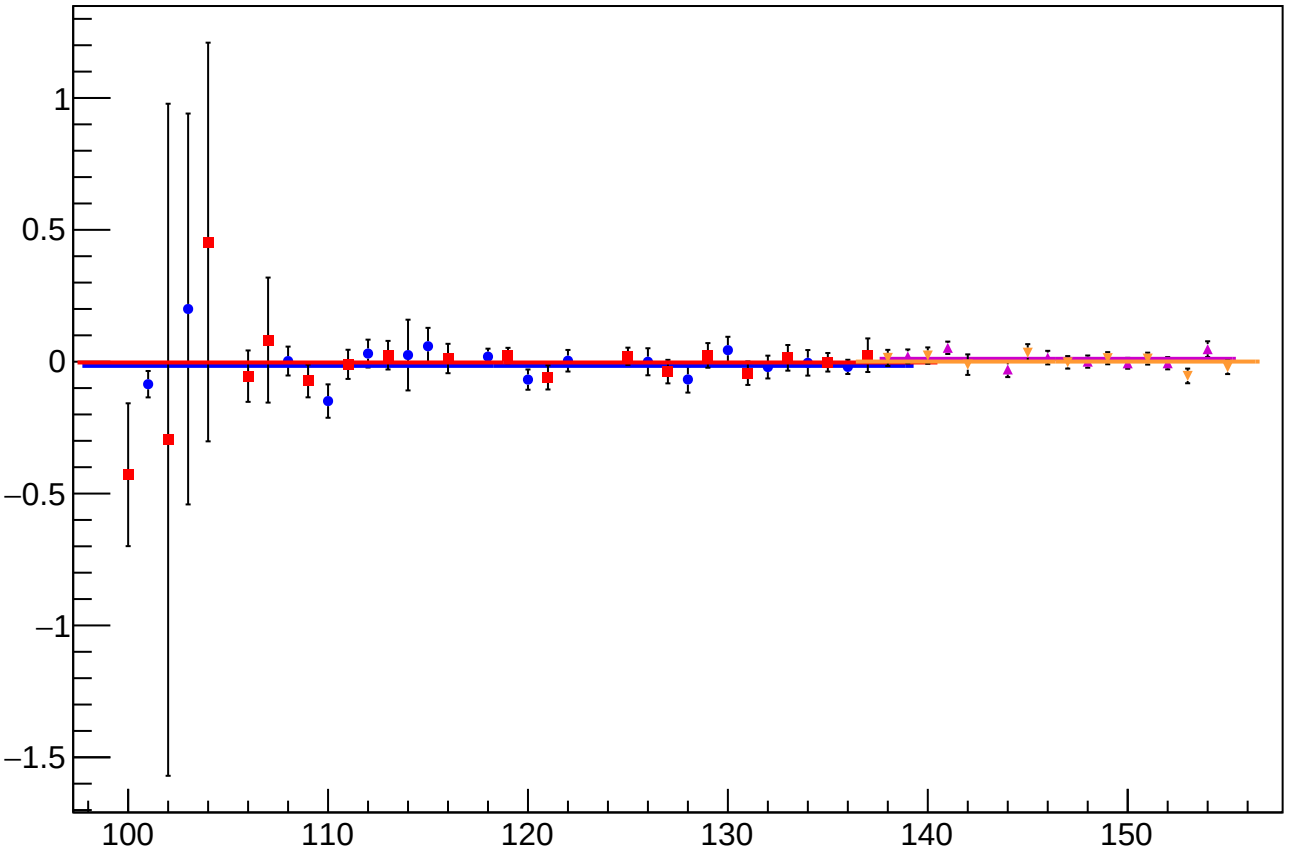
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.054+/-0.006 χ^2/NDF:214519.9/7

+ sign 24.215+/-0.005 χ^2/NDF: 1993628.7/24

All: 23.549+/-0.004 χ^2/NDF: 5116480.4/50

- sign 22.897+/-0.005 χ^2/NDF: 3088370.7/25



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/8

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

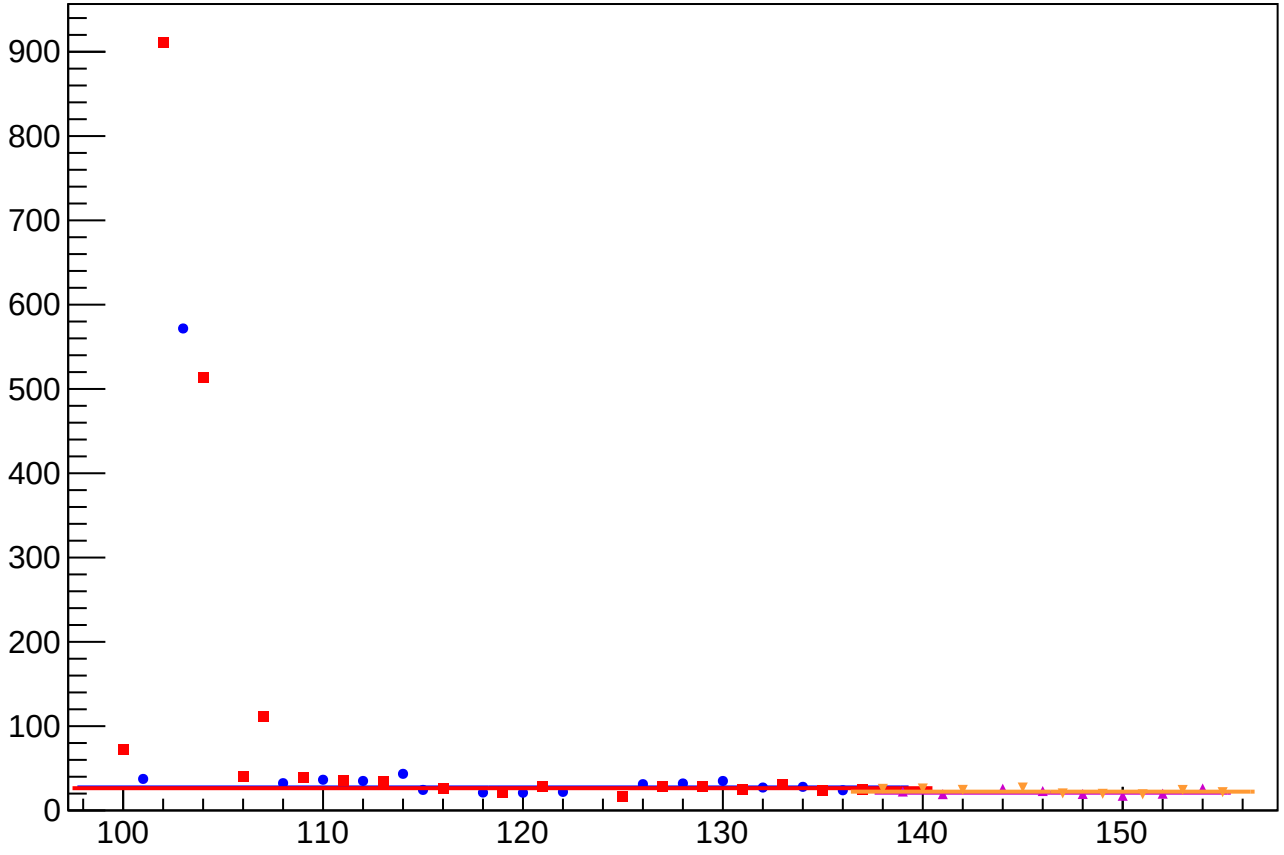
Left In: 0.011+/-0.009 χ^2/NDF:8.2/7

\+ sign -0.006+/-0.007 χ^2/NDF: 22.9/24

All: 0.000+/-0.005 χ^2/NDF: 43.1/50

\- sign 0.006+/-0.007 χ^2/NDF: 18.9/25

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.309+/-0.006 χ^2/NDF:194239.5/8

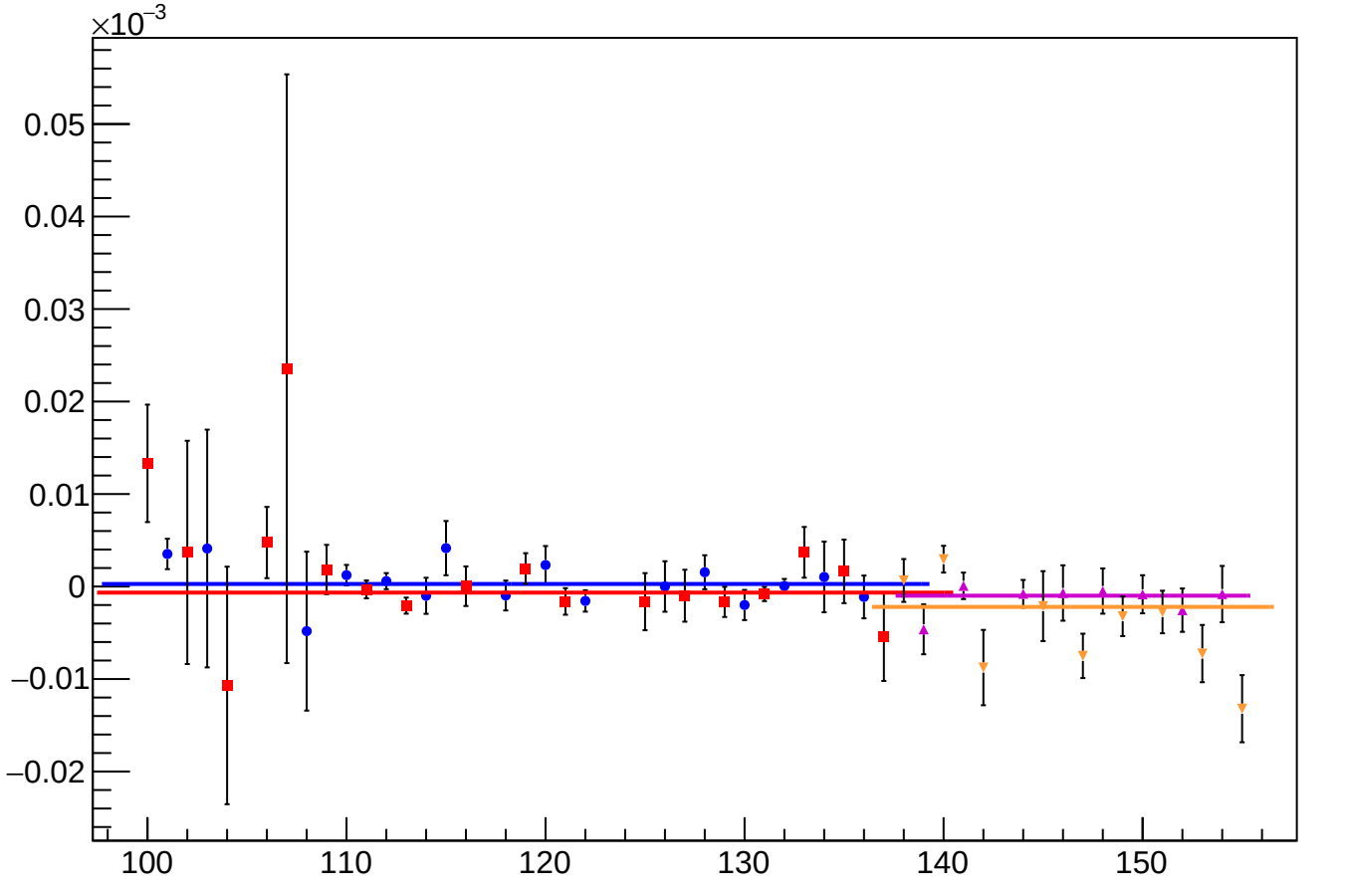
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.054+/-0.006 χ^2/NDF:214519.9/7

+ sign 24.215+/-0.005 χ^2/NDF: 1993628.7/24

All: 23.549+/-0.004 χ^2/NDF: 5116480.4/50

- sign 22.897+/-0.005 χ^2/NDF: 3088370.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

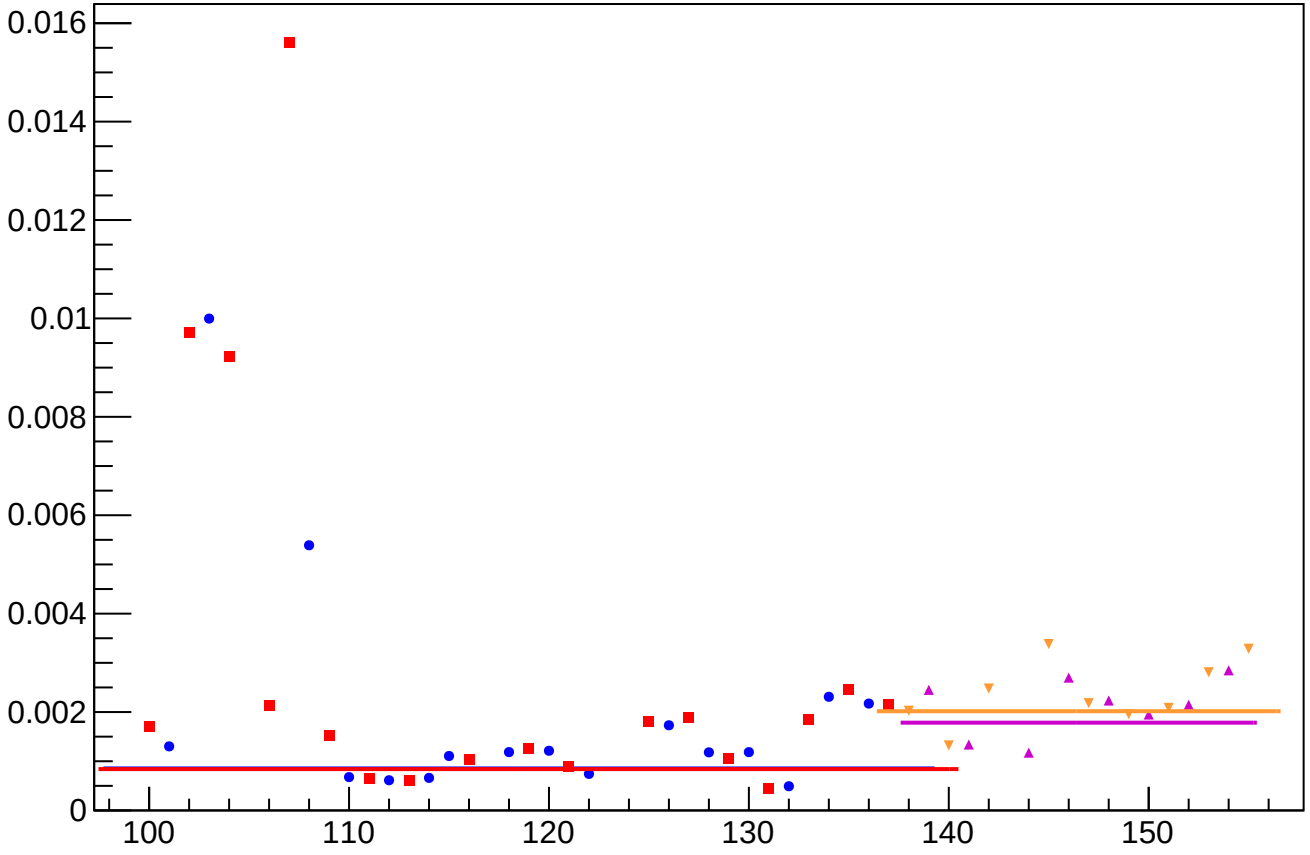
Left In: -0.000+/-0.000 χ^2/NDF:2.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 56.1/24

All: -0.000+/-0.000 χ^2/NDF: 79.8/50

- sign -0.000+/-0.000 χ^2/NDF: 22.3/25

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:1136736.9/8

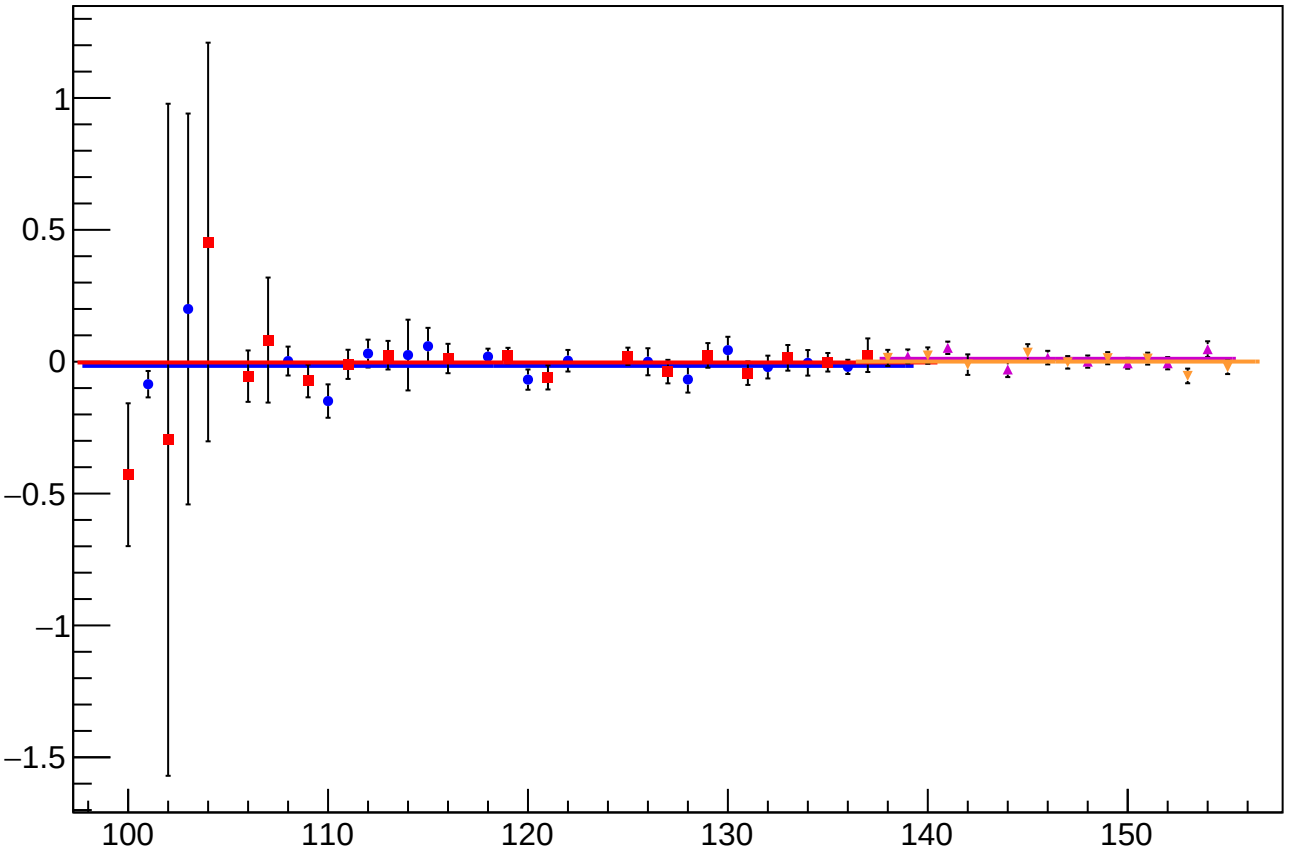
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1207090.1/7

+ sign 0.001+/-0.000 χ^2/NDF: 8454440.8/24

All: 0.001+/-0.000 χ^2/NDF: 17275356.6/50

- sign 0.001+/-0.000 χ^2/NDF: 8820647.6/25



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/8

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

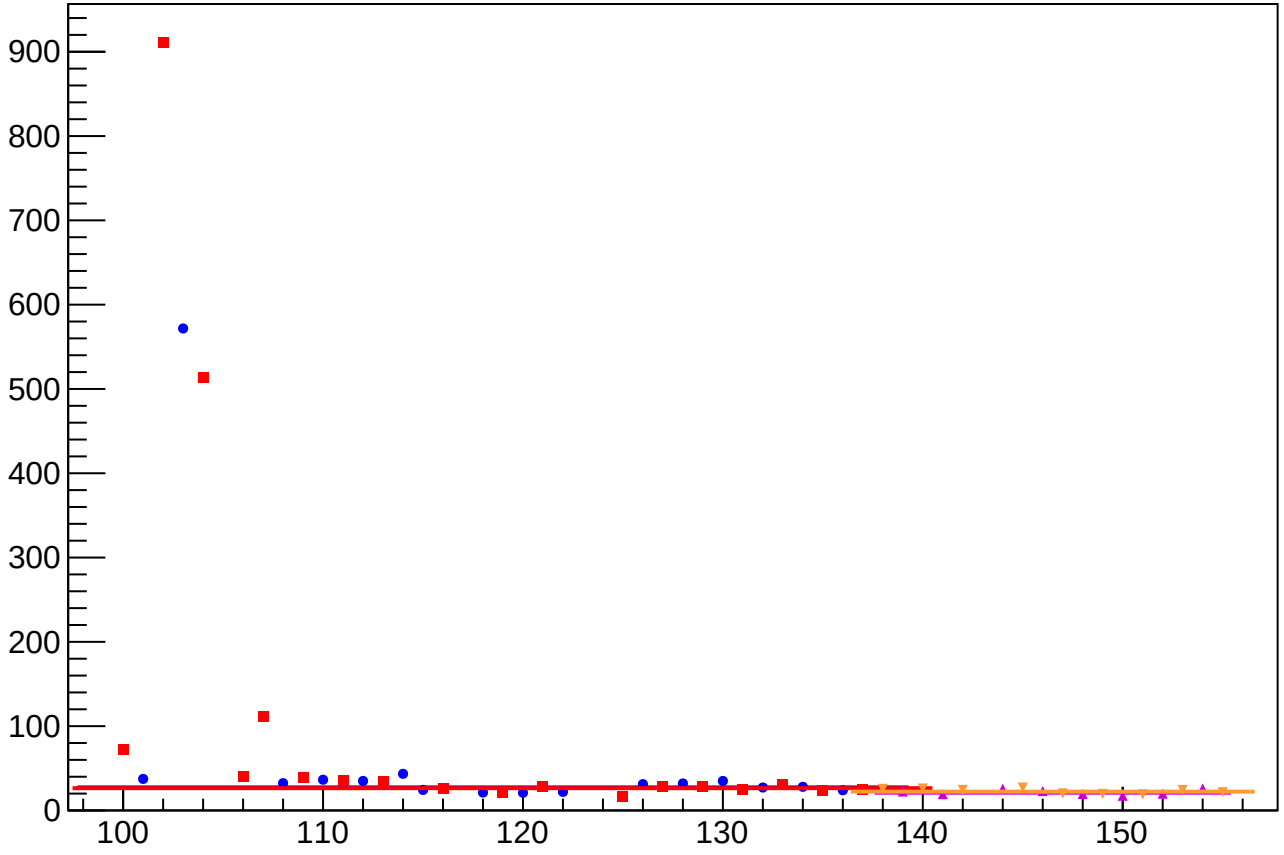
Left In: 0.011+/-0.009 χ^2/NDF:8.2/7

\+ sign -0.006+/-0.007 χ^2/NDF: 22.9/24

All: 0.000+/-0.005 χ^2/NDF: 43.1/50

\- sign 0.006+/-0.007 χ^2/NDF: 18.9/25

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.309+/-0.006 χ^2/NDF:194224.3/8

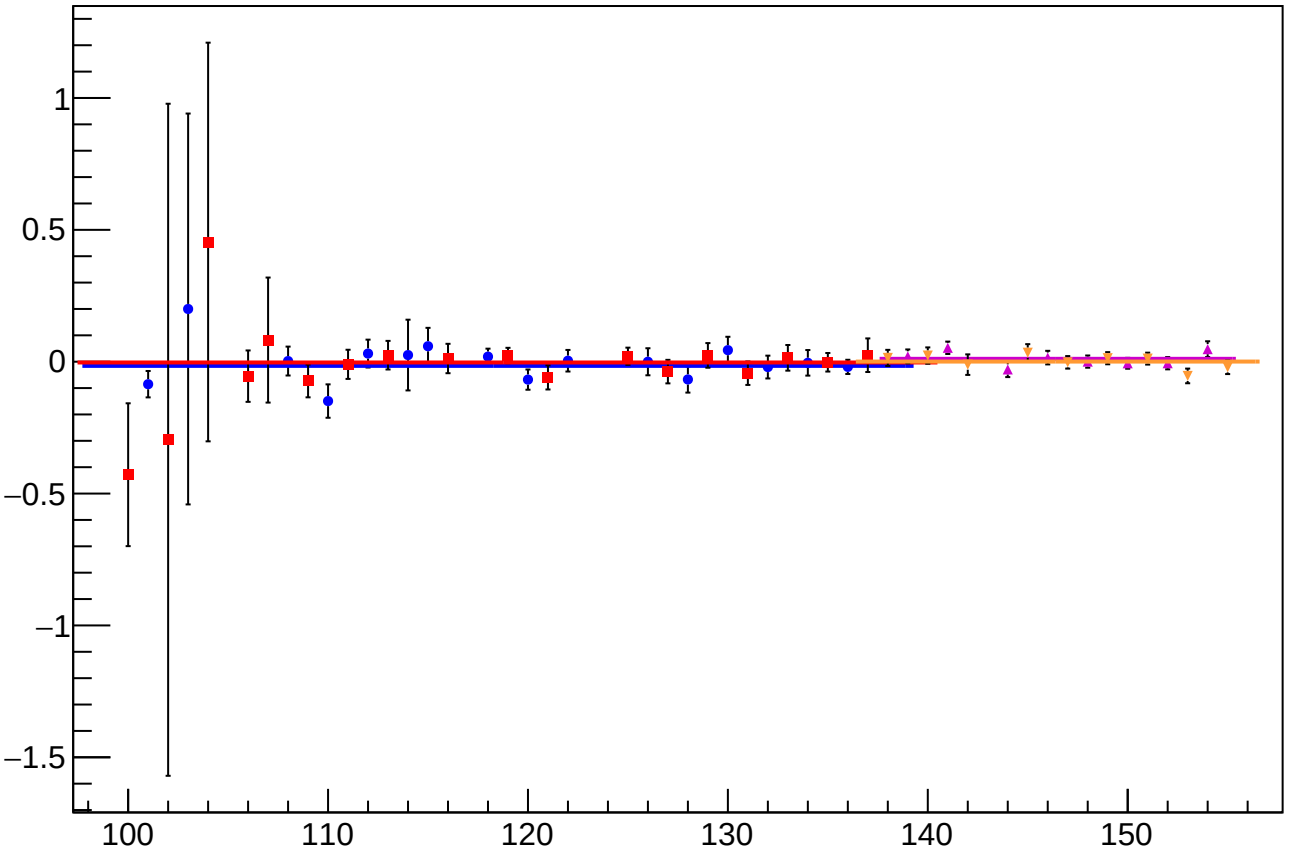
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.054+/-0.006 χ^2/NDF:214514.9/7

+ sign 24.215+/-0.005 χ^2/NDF: 1993614.6/24

All: 23.549+/-0.004 χ^2/NDF: 5116455.4/50

- sign 22.897+/-0.005 χ^2/NDF: 3088367.9/25



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/8

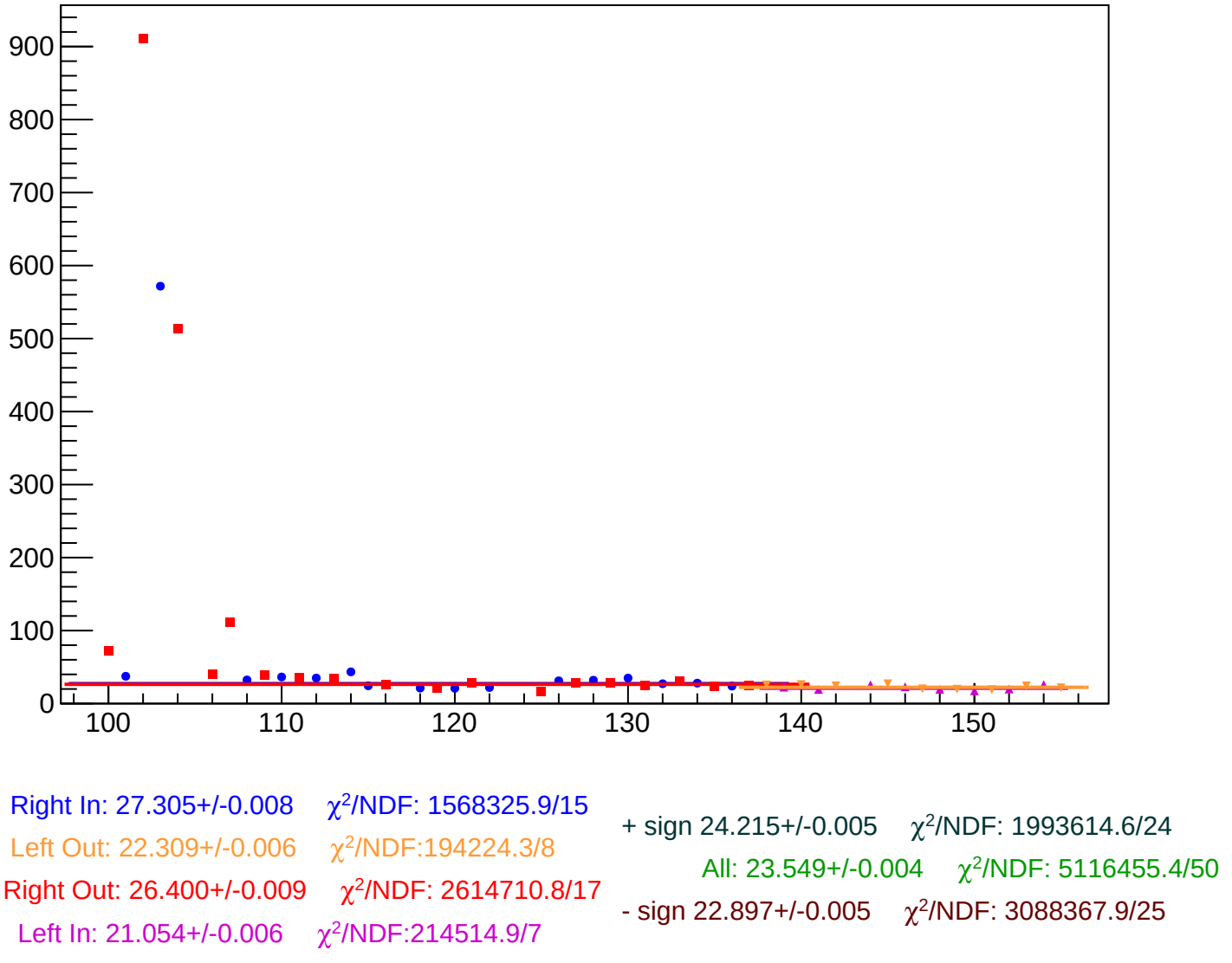
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

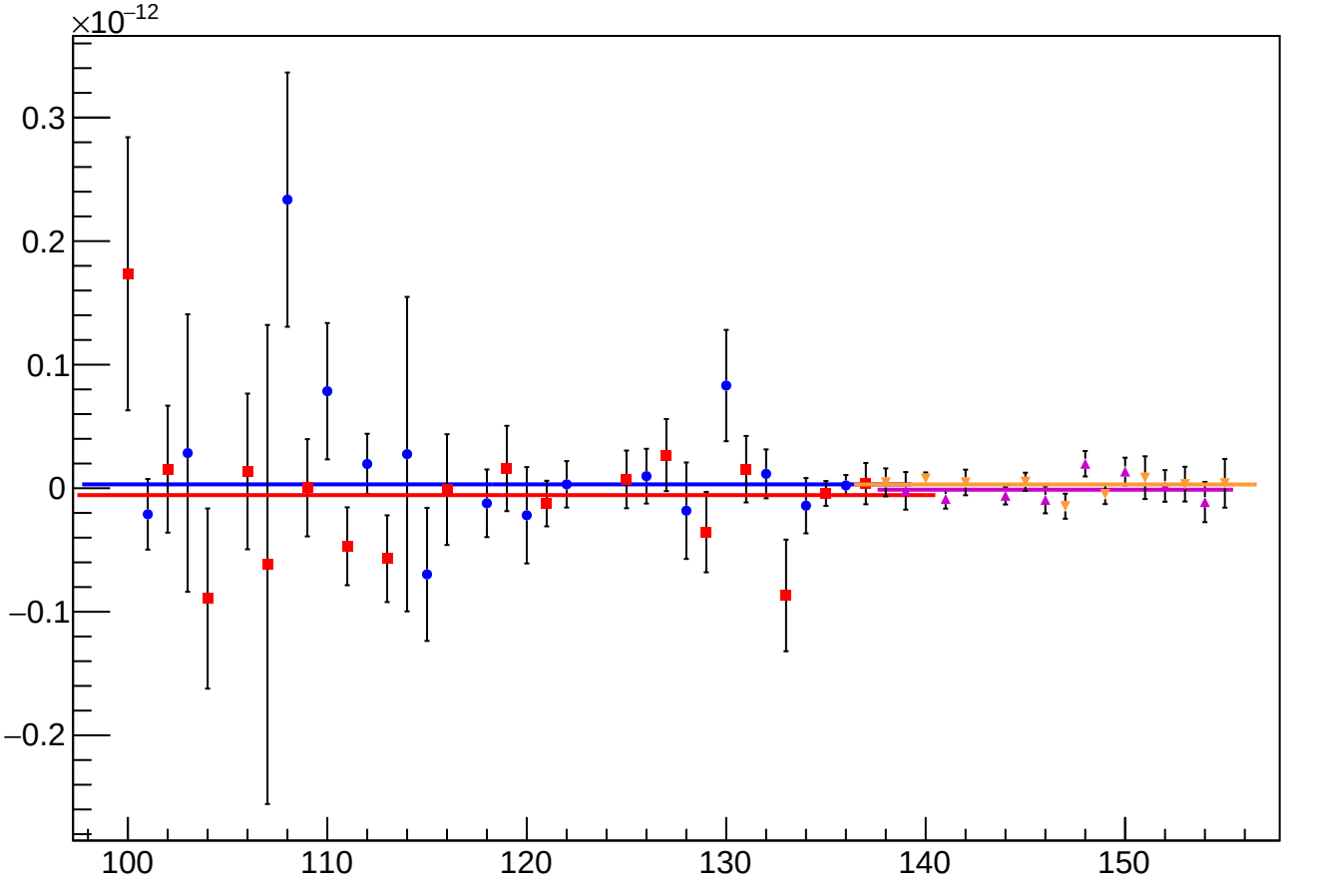
Left In: 0.011+/-0.009 χ^2/NDF:8.2/7

\+ sign -0.006+/-0.007 χ^2/NDF: 22.9/24

All: 0.000+/-0.005 χ^2/NDF: 43.1/50

\- sign 0.006+/-0.007 χ^2/NDF: 18.9/25


asym_usl_atl1_dd_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
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 22.309+/-0.006 χ²/NDF:194224.3/8
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 21.054+/-0.006 χ²/NDF:214514.9/7
+ sign 24.215+/-0.005 χ²/NDF: 1993614.6/24
All: 23.549+/-0.004 χ²/NDF: 5116455.4/50
- sign 22.897+/-0.005 χ²/NDF: 3088367.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/8

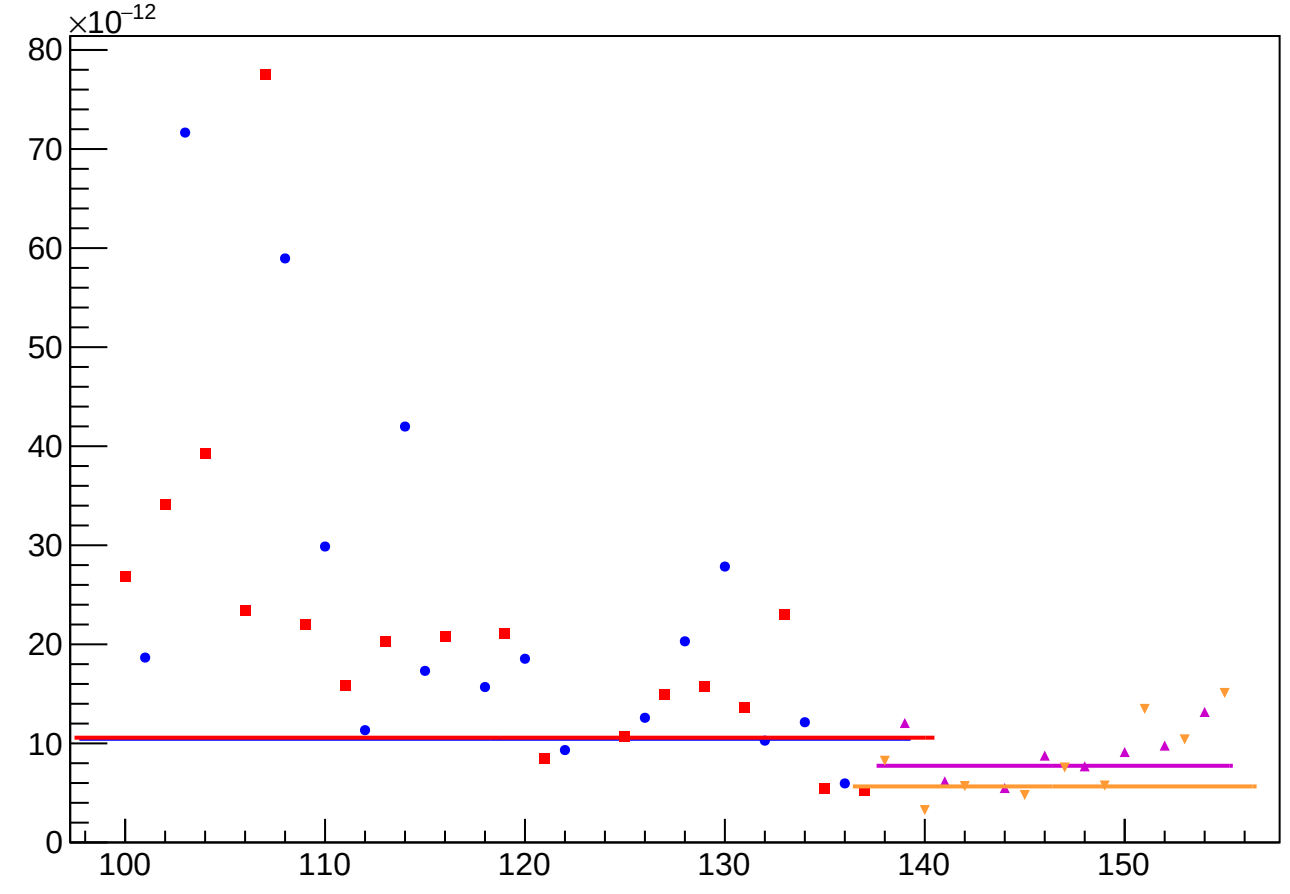
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:8.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 20.2/24

All: 0.000+/-0.000 χ^2/NDF: 45.9/50

- sign -0.000+/-0.000 χ^2/NDF: 24.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1772713.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

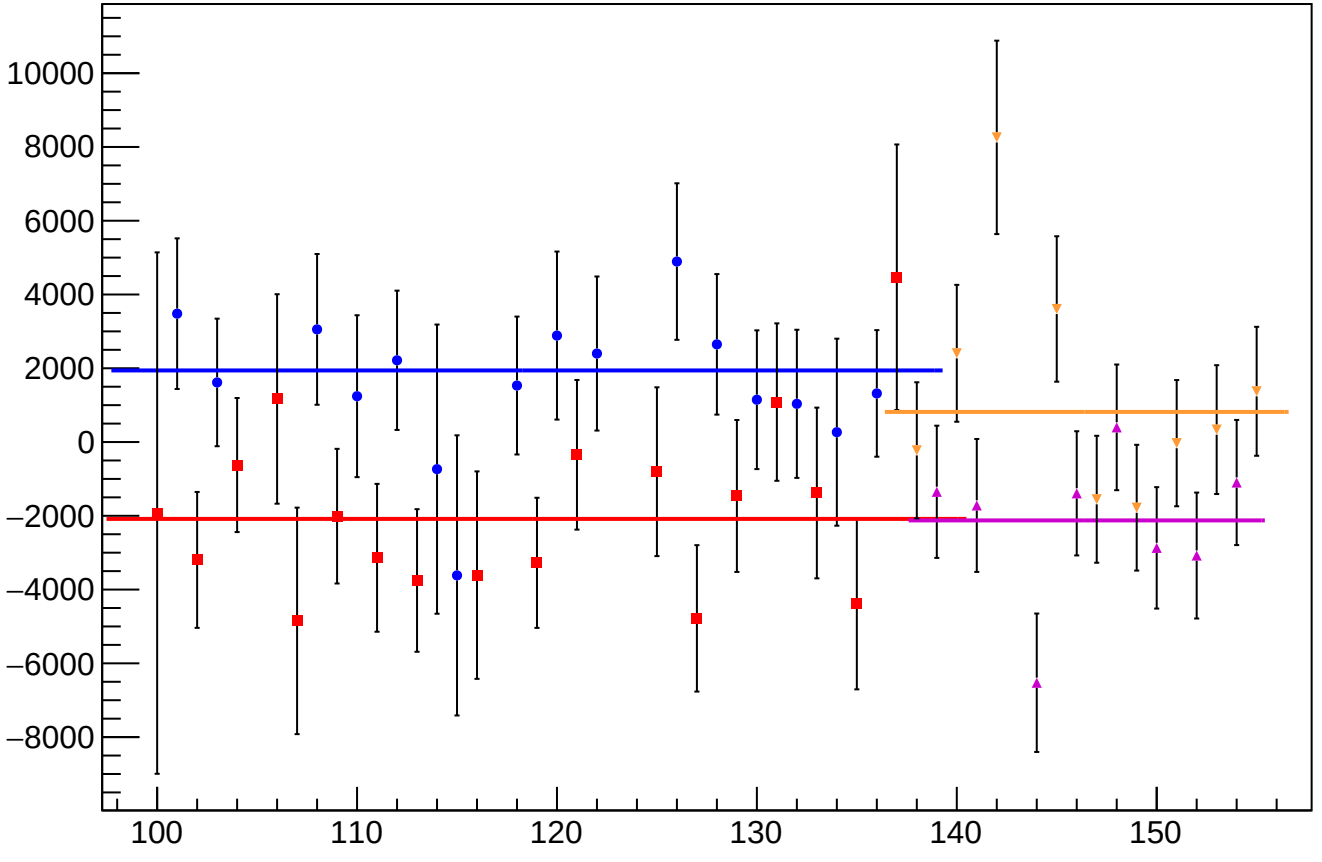
Left In: 0.000+/-0.000 χ^2/NDF:766396.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 5673293.0/24

All: 0.000+/-0.000 χ^2/NDF: 9924208.8/50

- sign 0.000+/-0.000 χ^2/NDF: 3858828.8/25

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 816.494+/-612.598 χ^2/NDF:15.8/8

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

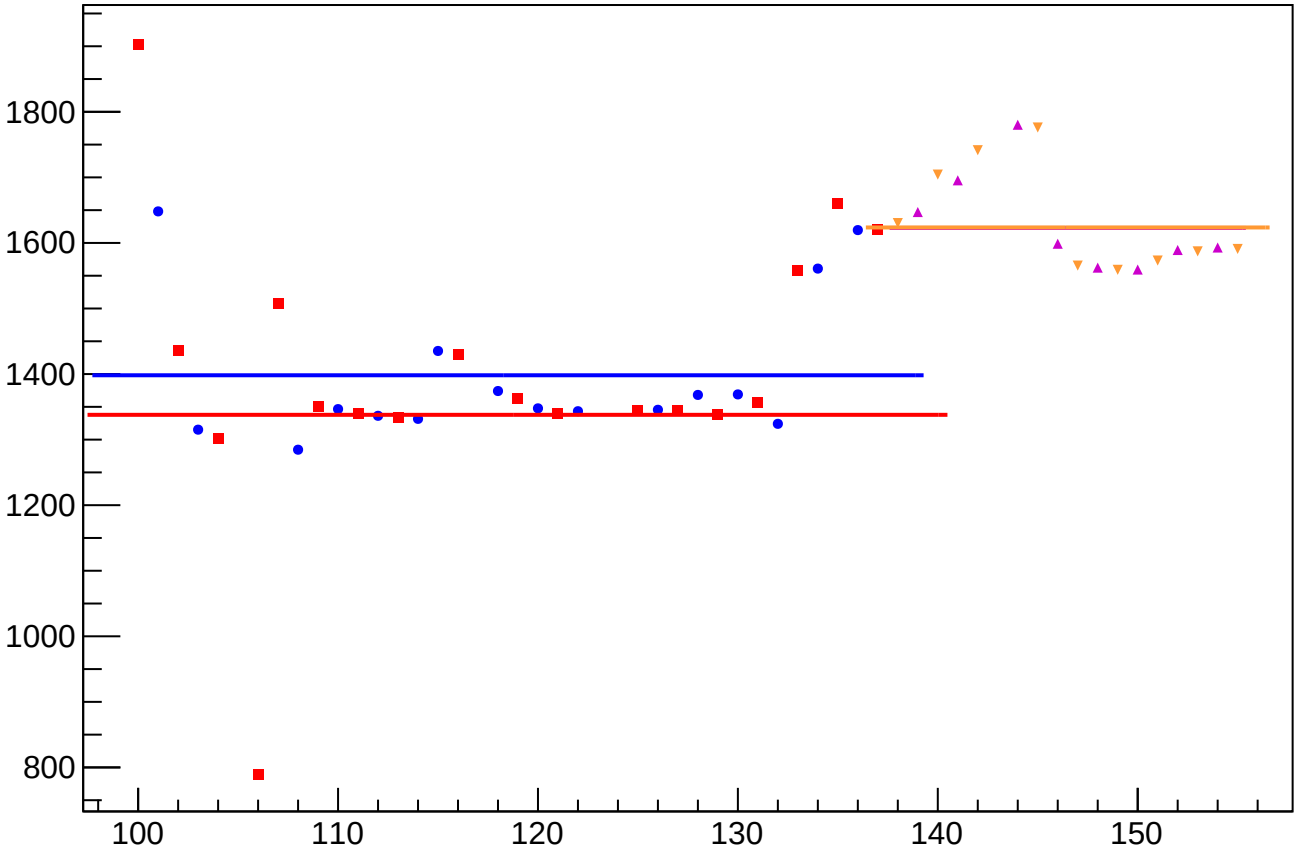
Left In: -2124.928+/-613.100 χ^2/NDF:9.0/7

+ sign 1467.773+/-397.395 χ^2/NDF: 24.6/24

All: -321.193+/-280.643 χ^2/NDF: 88.5/50

- sign -2101.079+/-396.386 χ^2/NDF: 23.5/25

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1623.600+/-0.433 χ^2/NDF:28269.2/8

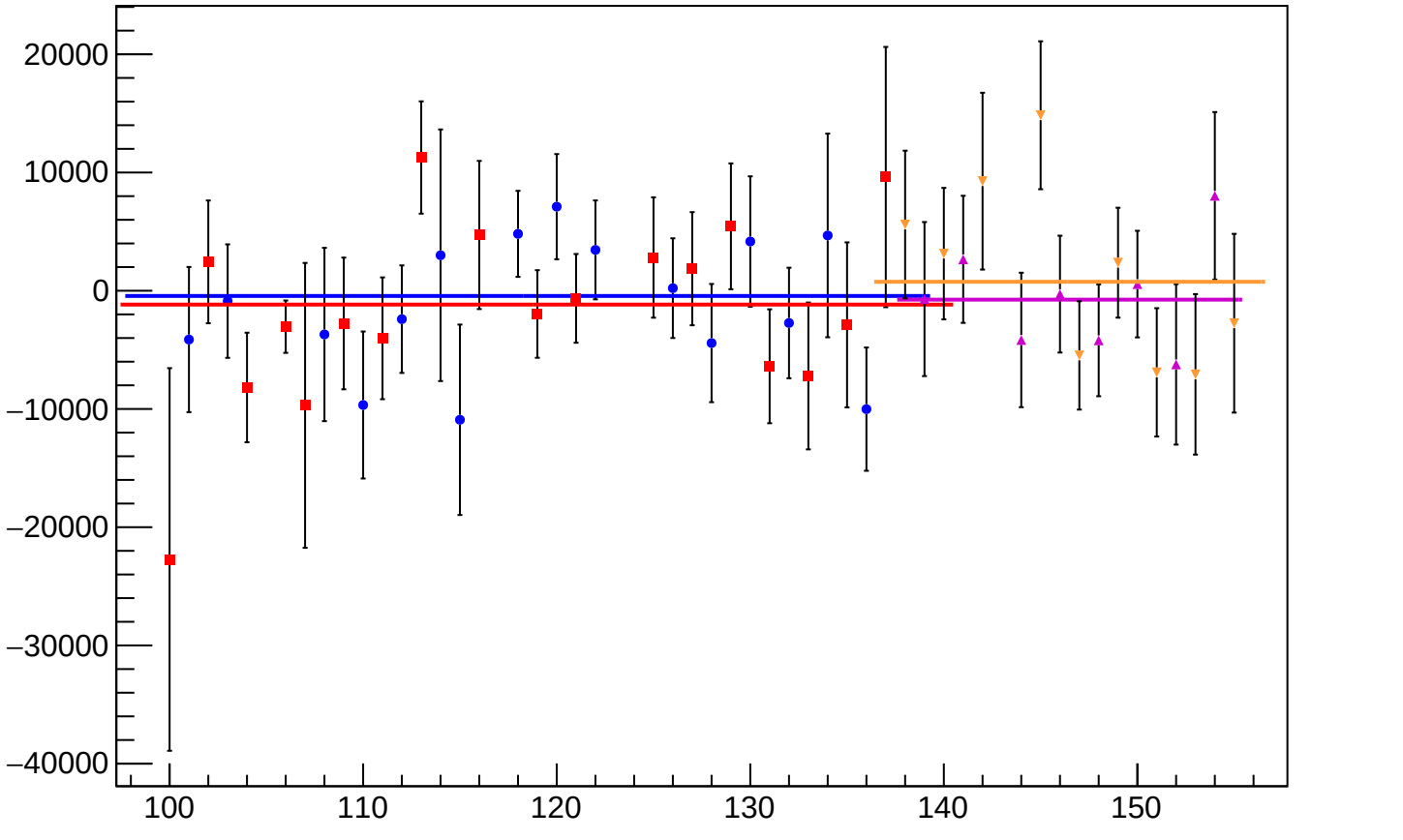
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1622.864+/-0.434 χ^2/NDF:24994.0/7

+ sign 1493.030+/-0.281 χ^2/NDF: 279067.1/24

All: 1472.376+/-0.197 χ^2/NDF: 890657.7/50

- sign 1452.583+/-0.275 χ^2/NDF: 601011.1/25



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 757.087+/-1929.894 χ^2/NDF:12.7/8

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

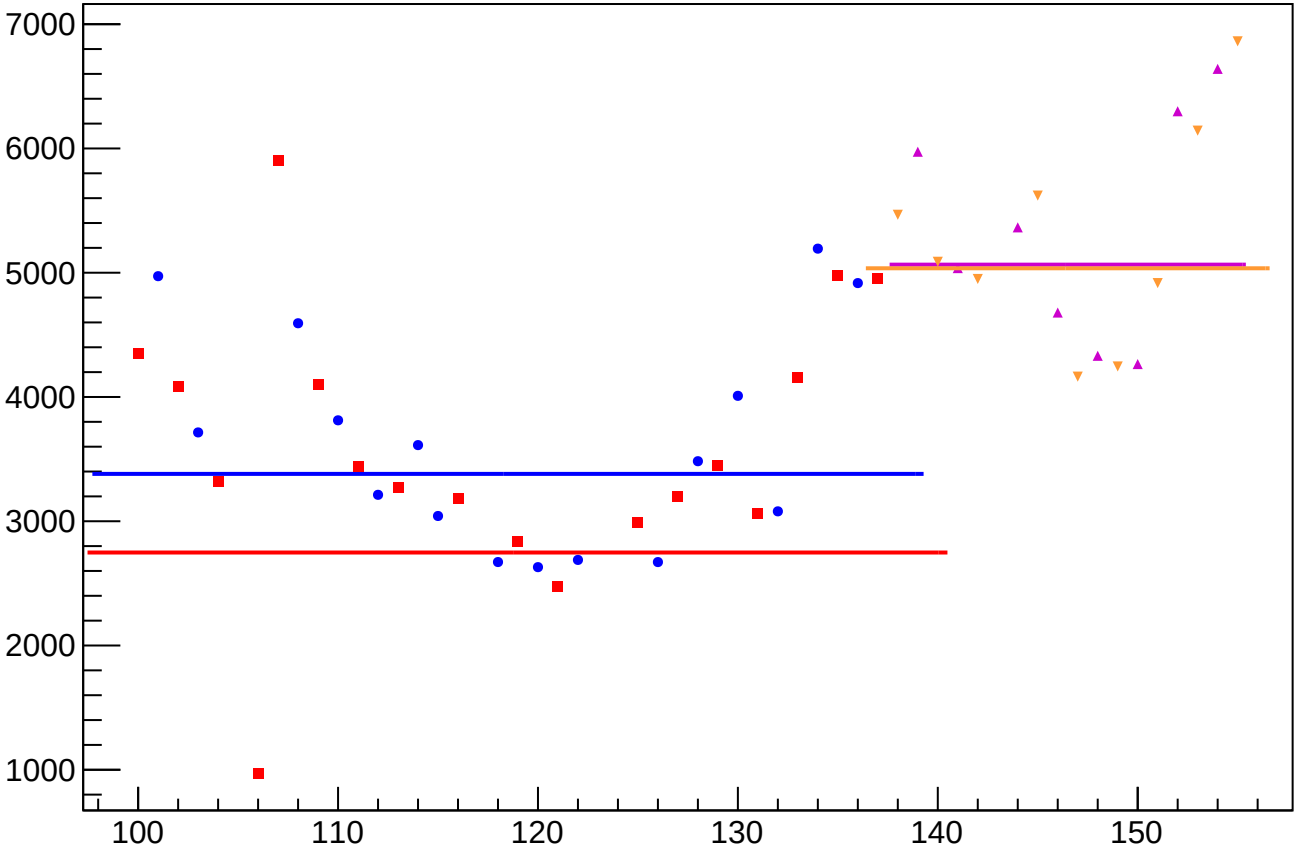
Left In: -752.947+/-1940.333 χ^2/NDF:3.6/7

+ sign -68.758+/-1075.864 χ^2/NDF: 28.8/24

All: -619.402+/-720.393 χ^2/NDF: 52.6/50

- sign -1066.949+/-969.931 χ^2/NDF: 23.3/25

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5035.702+/-1.365 χ^2/NDF:328690.0/8

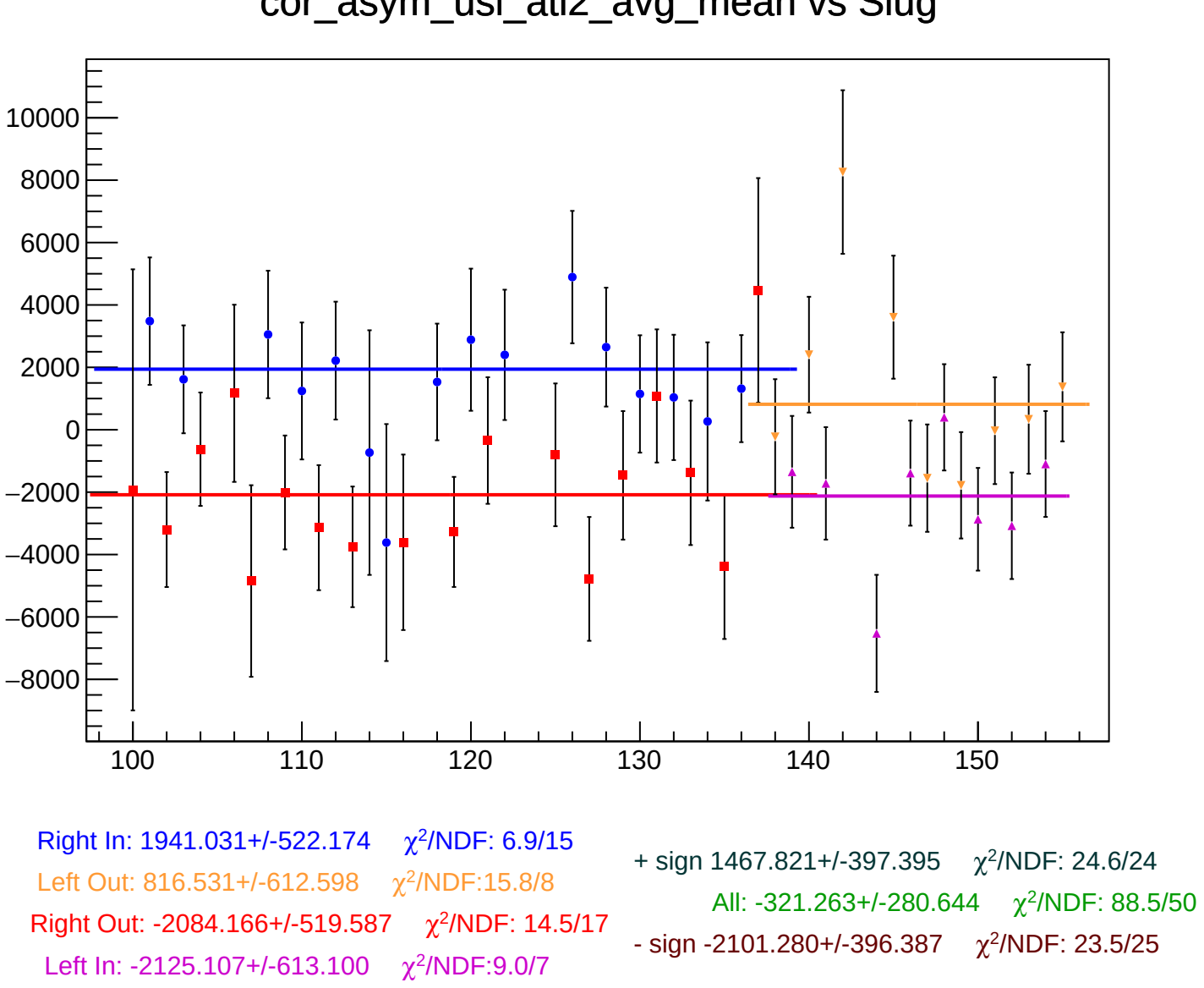
Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5064.966+/-1.372 χ^2/NDF:332944.2/7

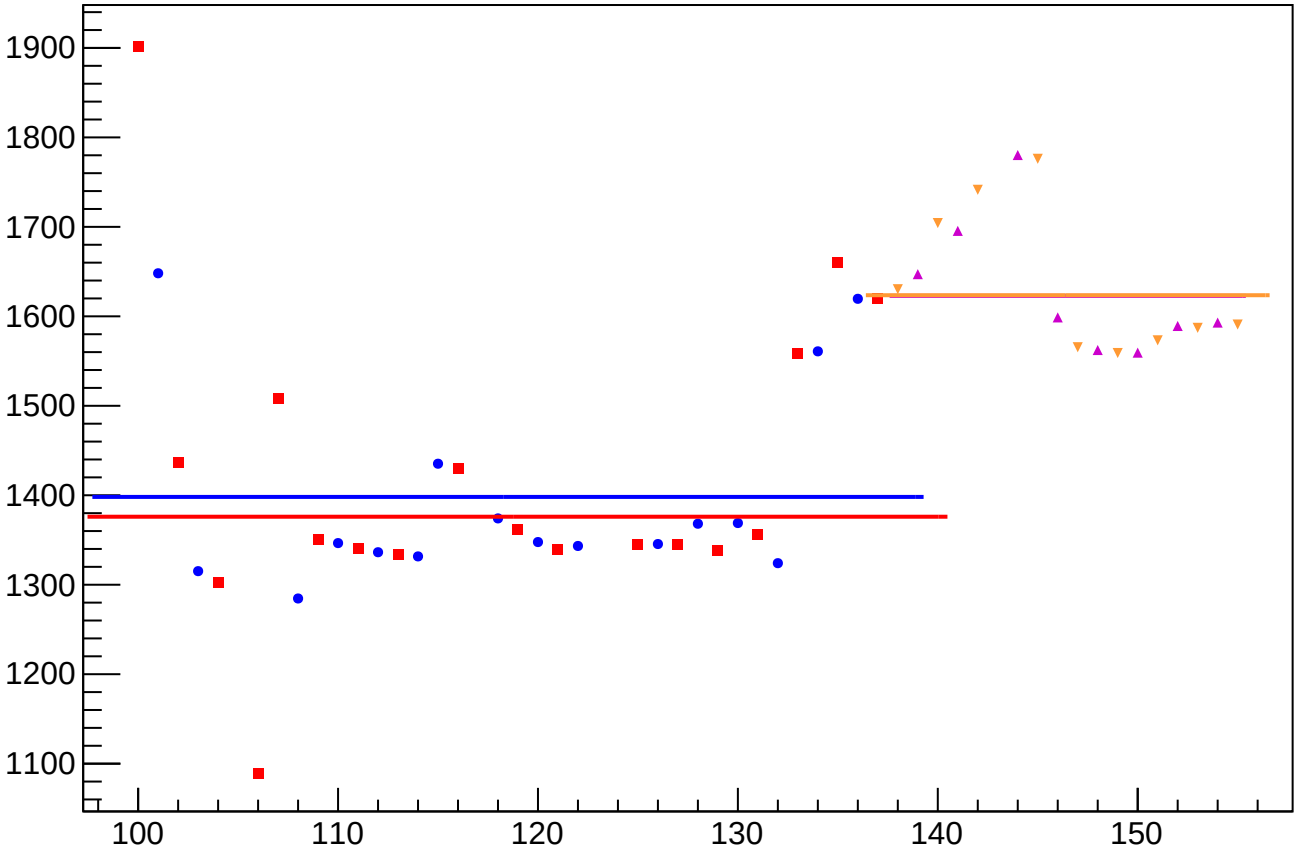
+ sign 3895.322+/-0.761 χ^2/NDF: 2099051.8/24

All: 3581.944+/-0.509 χ^2/NDF: 7142664.2/50

- sign 3327.240+/-0.686 χ^2/NDF: 4736005.4/25


cor_asym_usl_atl2_avg_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: 1941.031+/-522.174 χ²/NDF: 6.9/15
Left Out: 816.531+/-612.598 χ²/NDF:15.8/8
Right Out: -2084.166+/-519.587 χ²/NDF: 14.5/17
Left In: -2125.107+/-613.100 χ²/NDF:9.0/7
+ sign 1467.821+/-397.395 χ²/NDF: 24.6/24
All: -321.263+/-280.644 χ²/NDF: 88.5/50
- sign -2101.280+/-396.387 χ²/NDF: 23.5/25

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1623.600+/-0.433 χ^2/NDF:28269.2/8

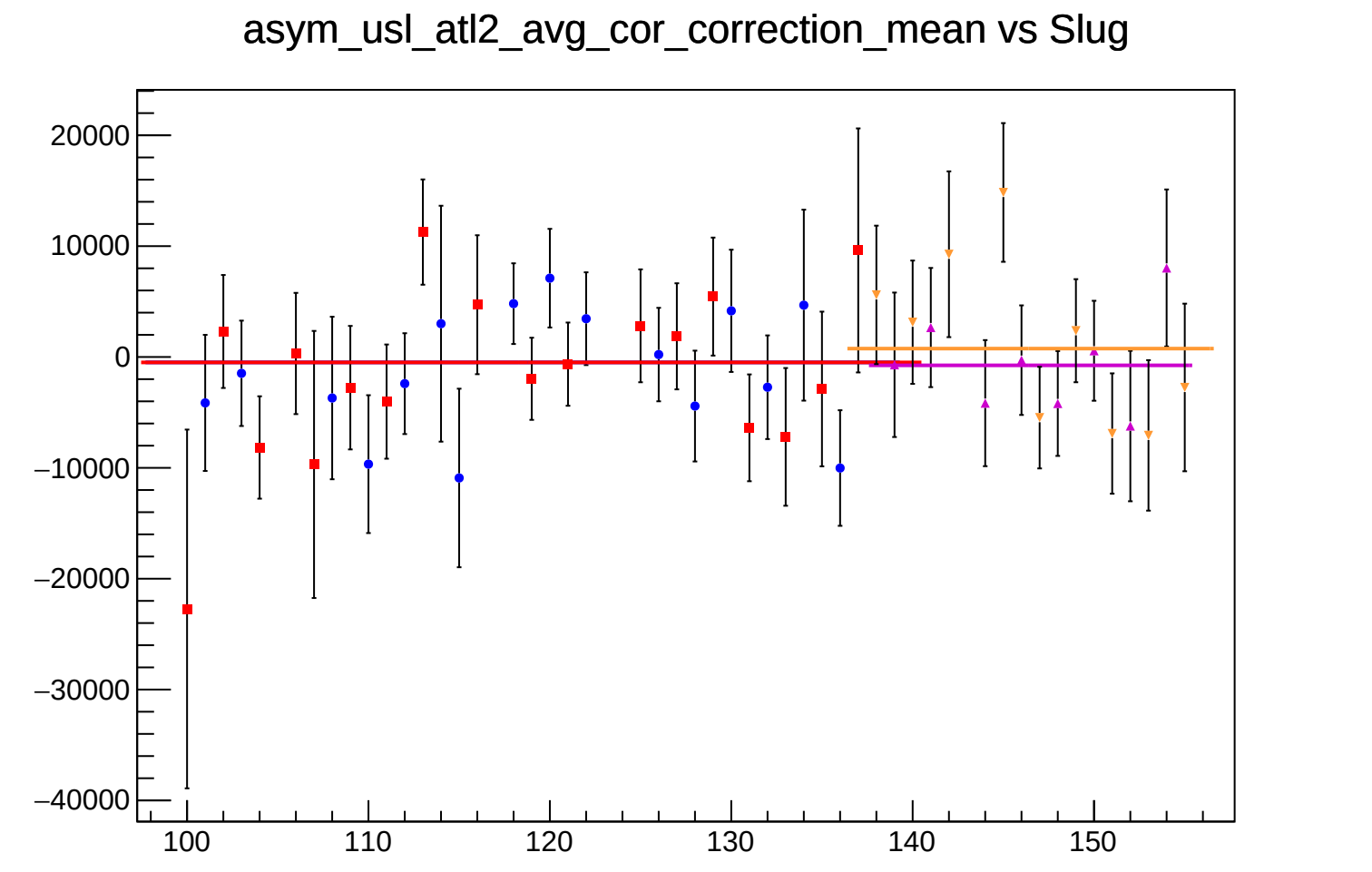
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1622.864+/-0.434 χ^2/NDF:24994.0/7

\+ sign 1493.030+/-0.281 χ^2/NDF: 279067.3/24

All: 1485.234+/-0.198 χ^2/NDF: 610406.8/50

\- sign 1477.598+/-0.278 χ^2/NDF: 329816.1/25



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 757.078+/-1929.895 χ^2/NDF:12.7/8

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

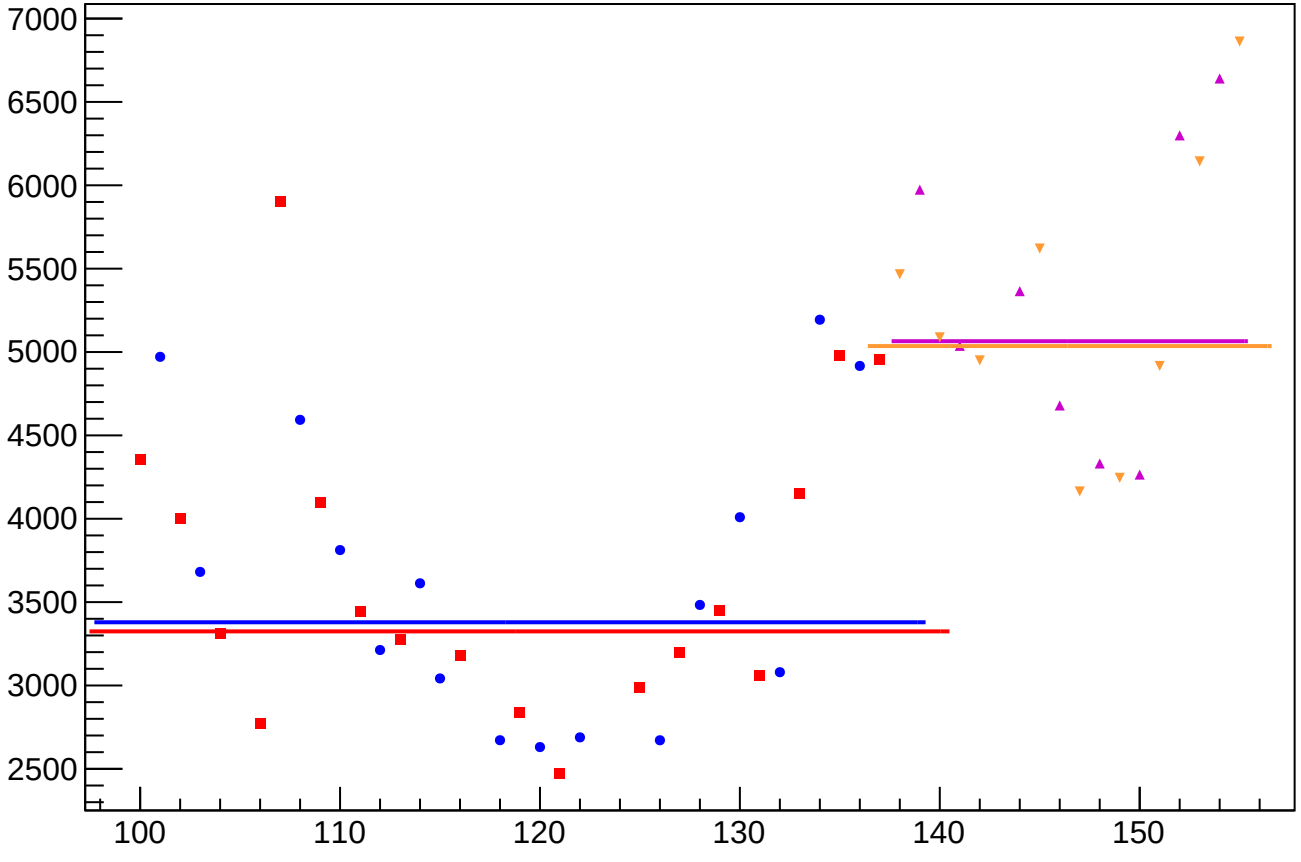
Left In: -753.076+/-1940.331 χ^2/NDF:3.6/7

+ sign -100.475+/-1075.299 χ^2/NDF: 28.9/24

All: -337.707+/-753.986 χ^2/NDF: 51.3/50

- sign -567.157+/-1057.517 χ^2/NDF: 22.3/25

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5035.705+/-1.365 χ^2/NDF:328690.3/8

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

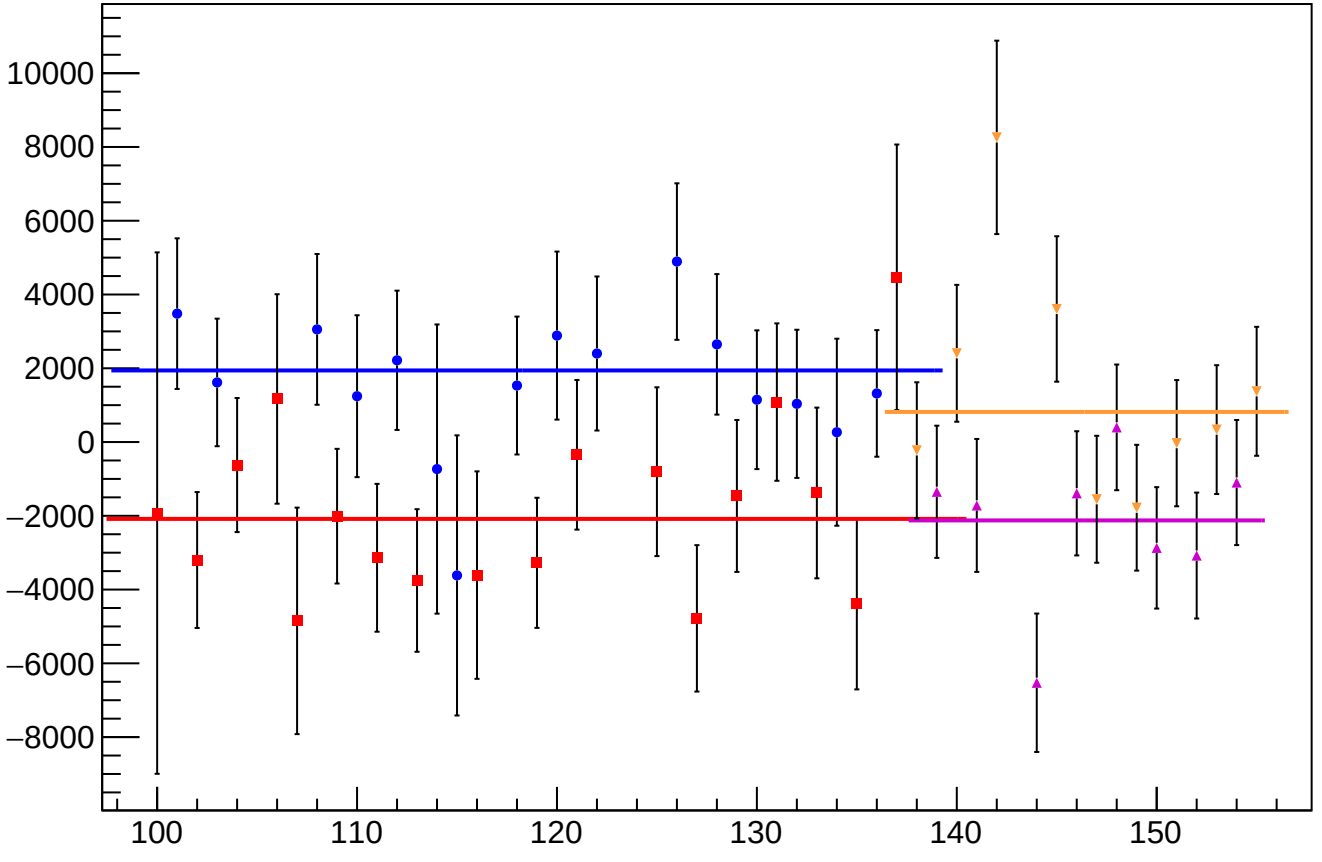
Left In: 5064.961+/-1.372 χ^2/NDF:332946.8/7

+ sign 3893.400+/-0.760 χ^2/NDF: 2100187.3/24

All: 3866.997+/-0.533 χ^2/NDF: 4110571.1/50

- sign 3841.460+/-0.748 χ^2/NDF: 2008011.8/25

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 816.531+/-612.598 χ^2/NDF:15.8/8

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

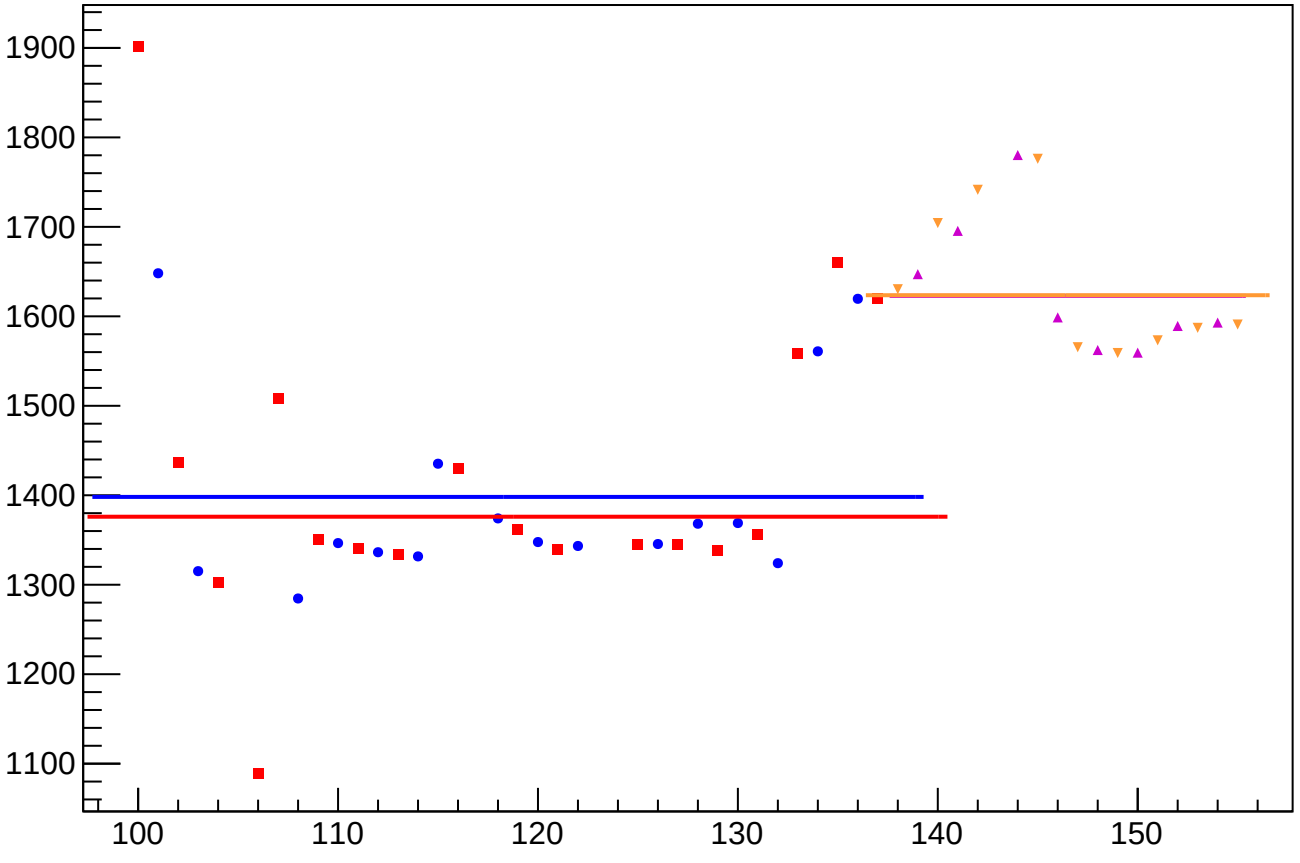
Left In: -2125.107+/-613.100 χ^2/NDF:9.0/7

+ sign 1467.821+/-397.395 χ^2/NDF: 24.6/24

All: -321.263+/-280.644 χ^2/NDF: 88.5/50

- sign -2101.280+/-396.387 χ^2/NDF: 23.5/25

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1623.600+/-0.433 χ^2/NDF:28269.2/8

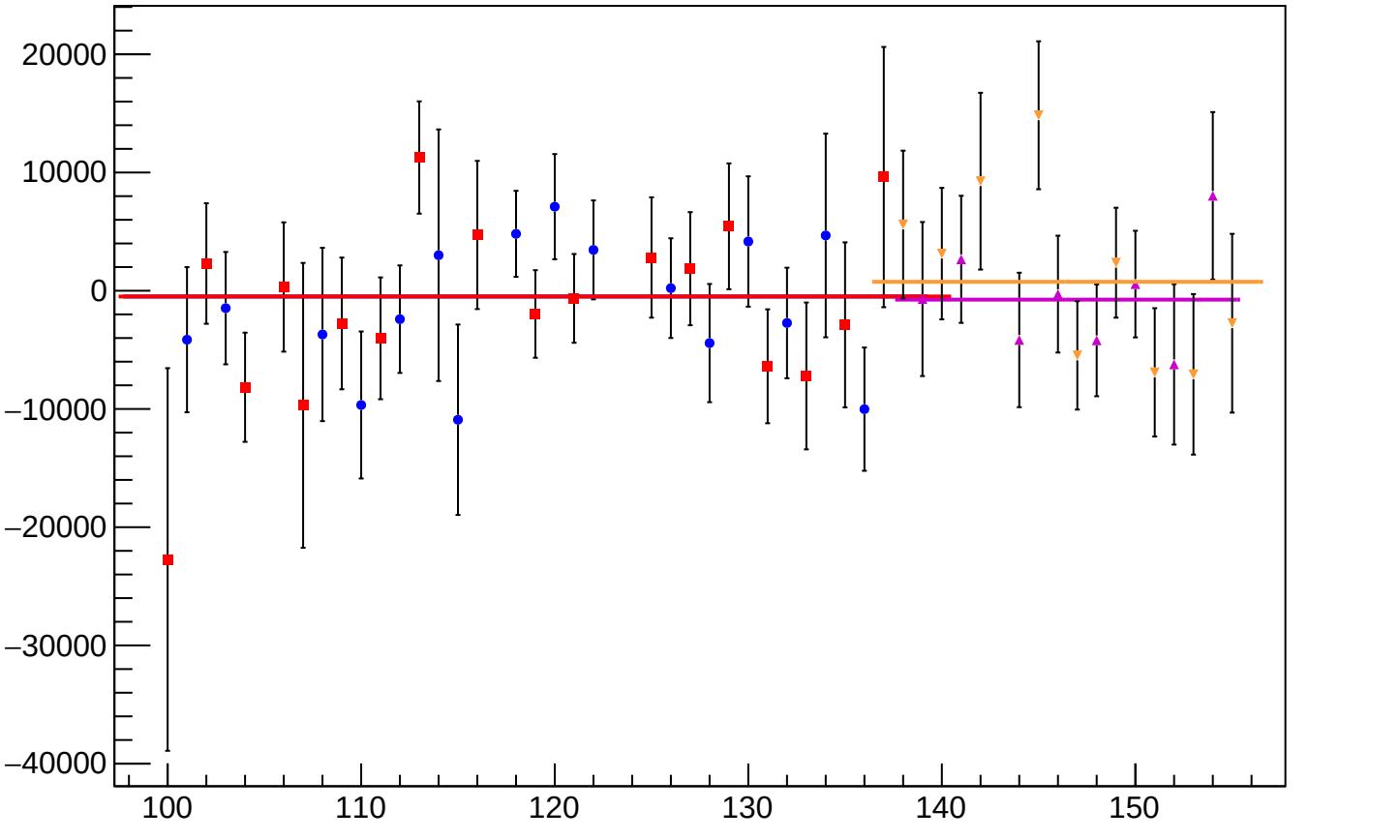
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1622.864+/-0.434 χ^2/NDF:24994.0/7

+ sign 1493.030+/-0.281 χ^2/NDF: 279067.3/24

All: 1485.234+/-0.198 χ^2/NDF: 610406.8/50

- sign 1477.598+/-0.278 χ^2/NDF: 329816.1/25



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 757.078+/-1929.895 χ^2/NDF:12.7/8

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

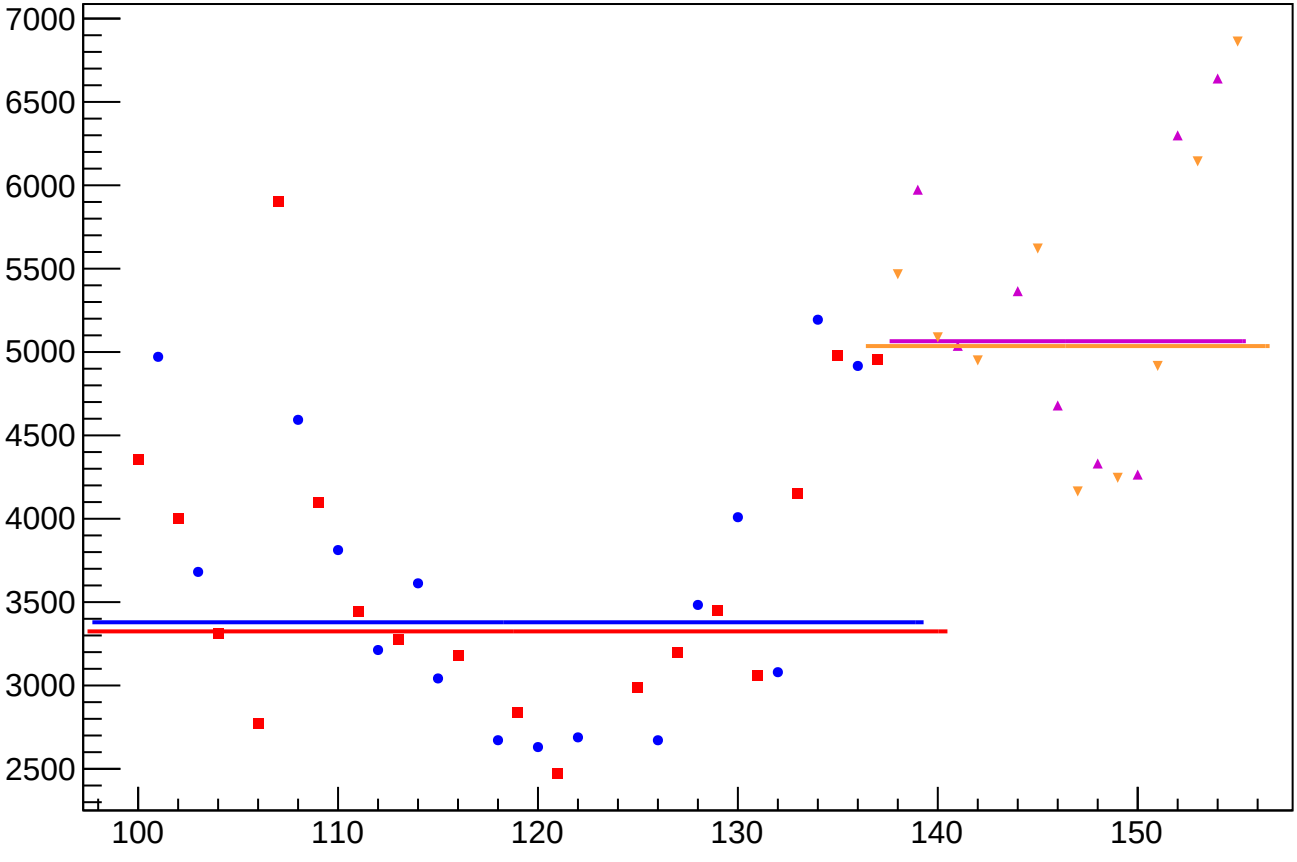
Left In: -753.076+/-1940.331 χ^2/NDF:3.6/7

+ sign -100.475+/-1075.299 χ^2/NDF: 28.9/24

All: -337.707+/-753.986 χ^2/NDF: 51.3/50

- sign -567.157+/-1057.517 χ^2/NDF: 22.3/25

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5035.705+/-1.365 χ^2/NDF:328690.3/8

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

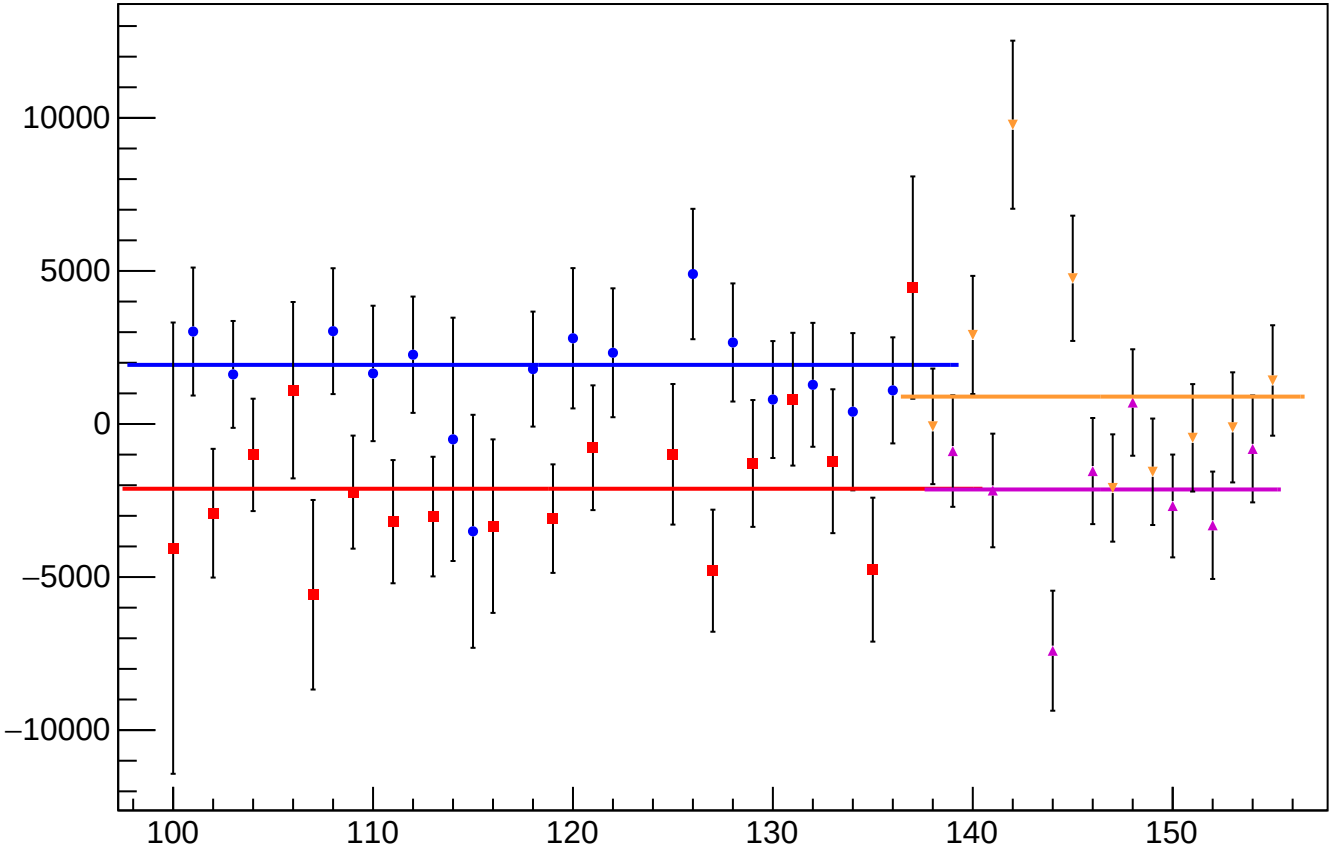
Left In: 5064.961+/-1.372 χ^2/NDF:332946.8/7

+ sign 3893.400+/-0.760 χ^2/NDF: 2100187.3/24

All: 3866.997+/-0.533 χ^2/NDF: 4110571.1/50

- sign 3841.460+/-0.748 χ^2/NDF: 2008011.8/25

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 894.667+/-630.221 χ^2/NDF:21.3/8

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

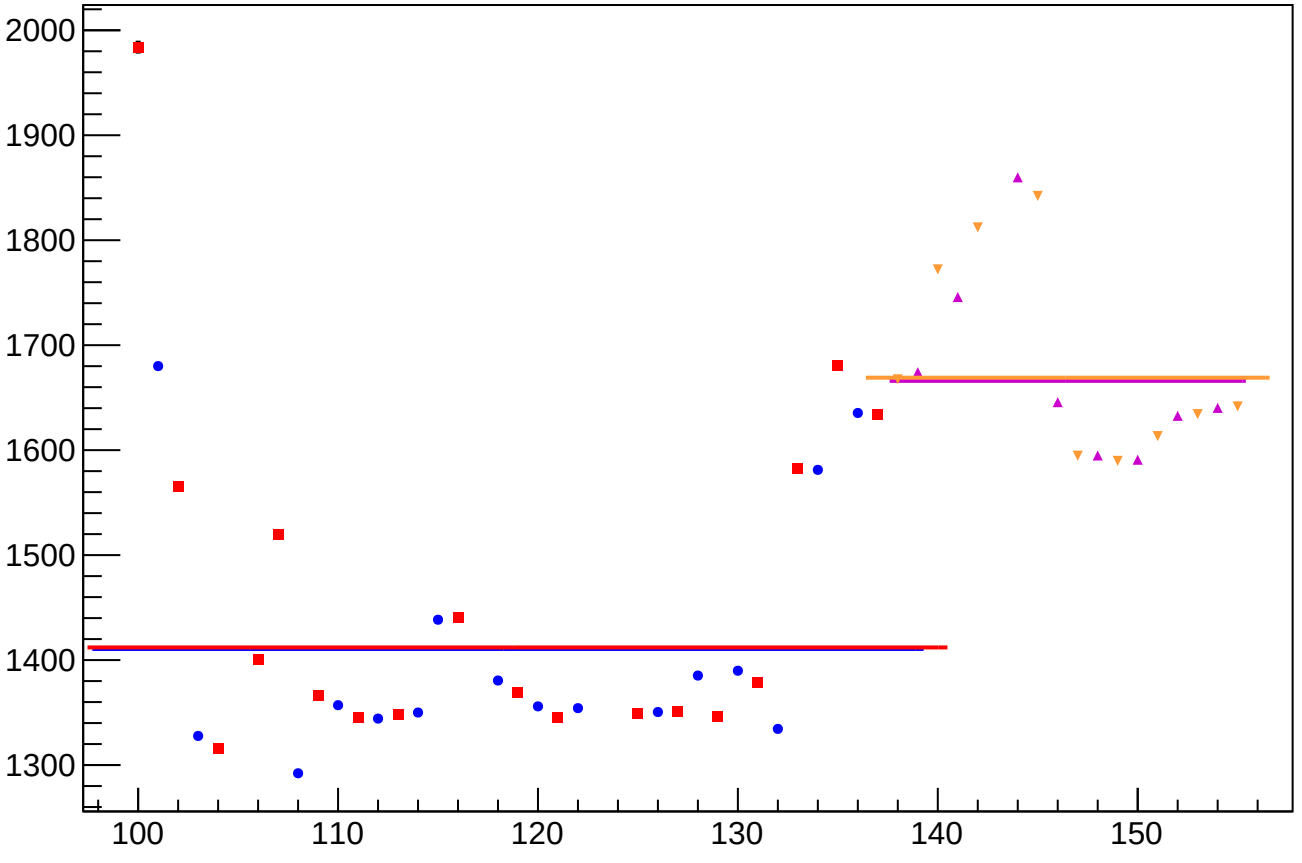
Left In: -2138.717+/-629.604 χ^2/NDF:11.6/7

+ sign 1504.729+/-404.340 χ^2/NDF: 29.2/24

All: -307.466+/-286.119 χ^2/NDF: 94.3/50

- sign -2124.924+/-404.927 χ^2/NDF: 24.8/25

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1669.028+/-0.446 χ^2/NDF:36447.9/8

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

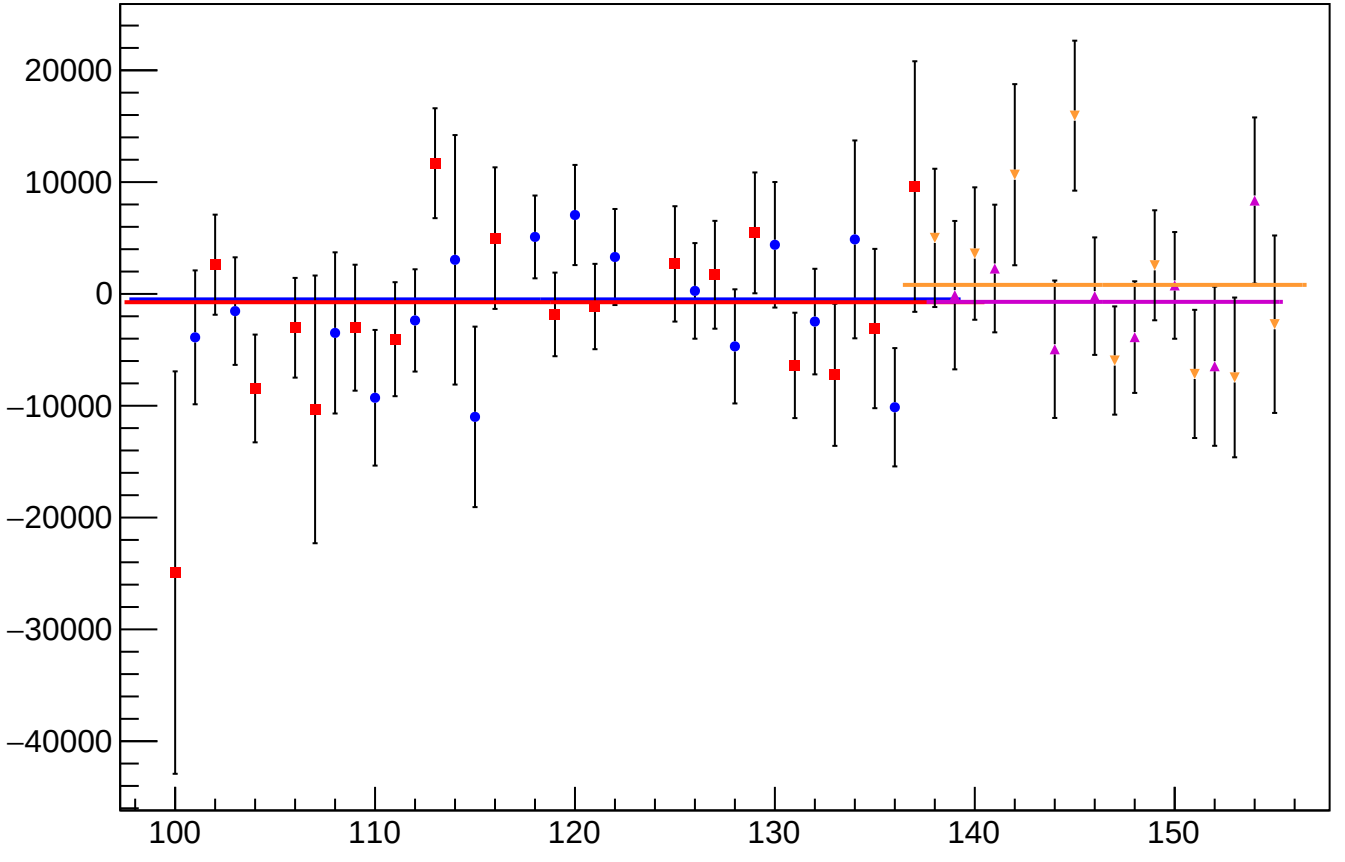
Left In: 1666.003+/-0.445 χ^2/NDF:32088.7/7

+ sign 1516.974+/-0.286 χ^2/NDF: 333471.3/24

All: 1516.869+/-0.202 χ^2/NDF: 646485.6/50

- sign 1516.764+/-0.286 χ^2/NDF: 313014.1/25

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 808.349+/-2032.562 χ^2/NDF:12.8/8

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

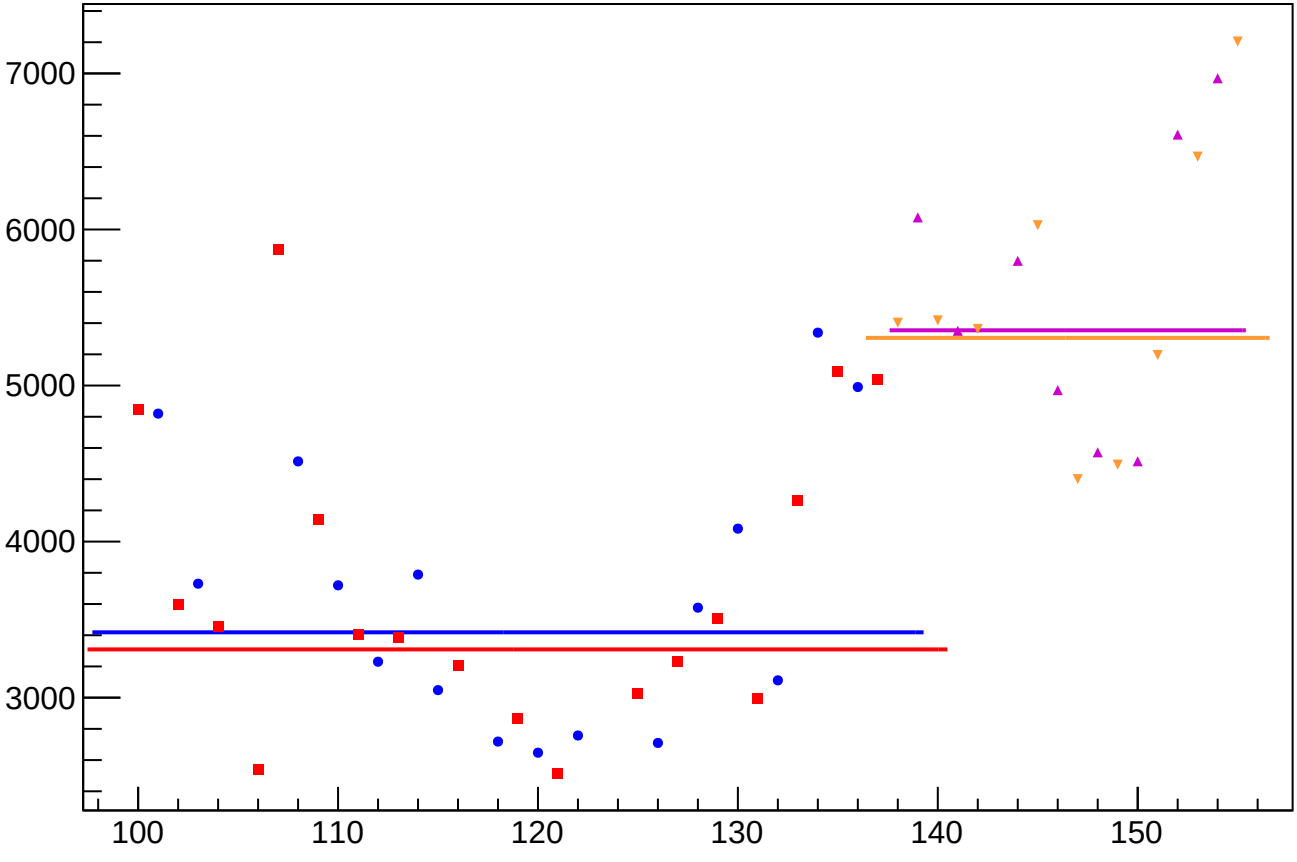
Left In: -709.395+/-2049.843 χ^2/NDF:3.4/7

\+ sign -109.075+/-1100.339 χ^2/NDF: 28.9/24

All: -430.506+/-765.608 χ^2/NDF: 51.7/50

\- sign -732.156+/-1065.945 χ^2/NDF: 22.6/25

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5305.526+/-1.437 χ^2/NDF:317096.6/8

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

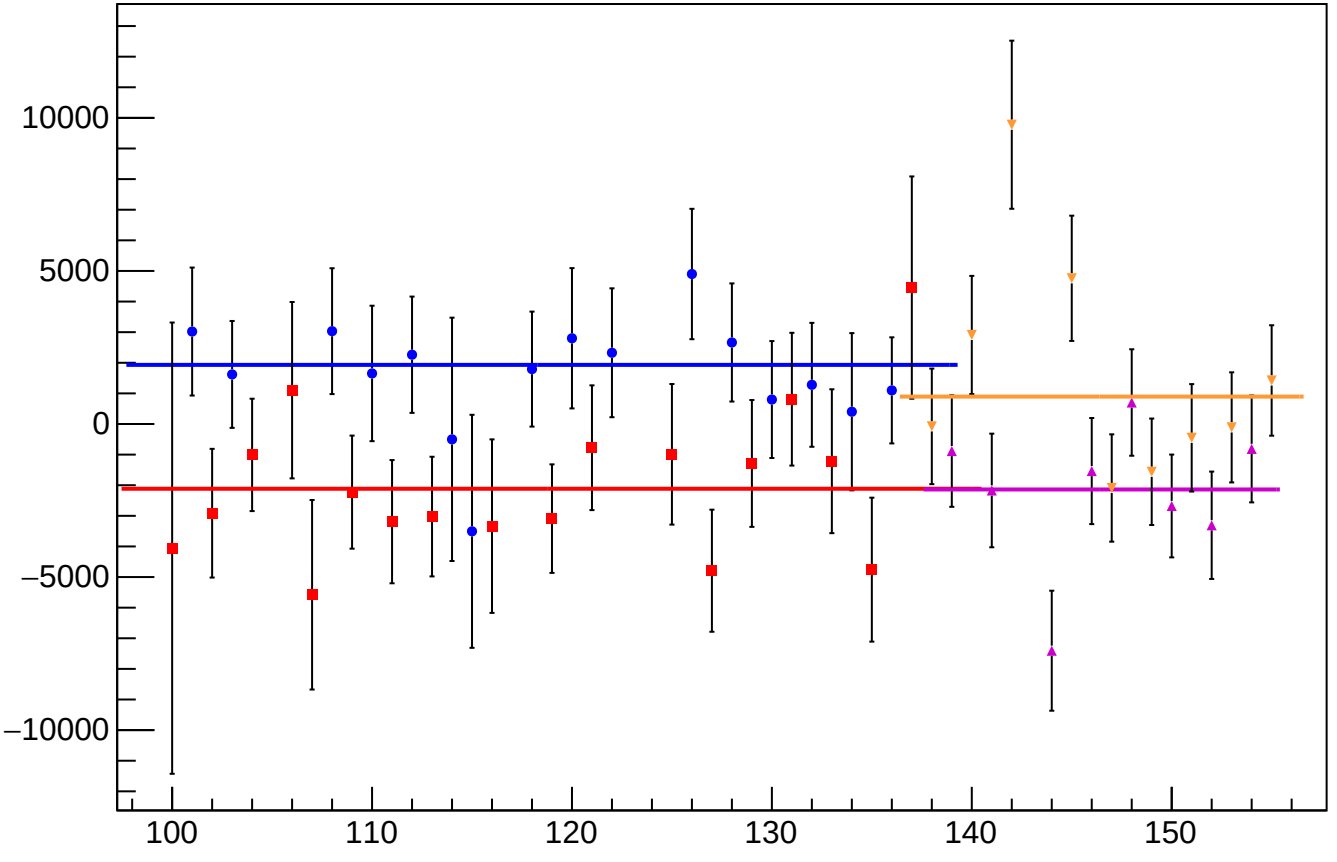
Left In: 5354.042+/-1.449 χ^2/NDF:312372.1/7

+ sign 3971.666+/-0.778 χ^2/NDF: 2256697.1/24

All: 3915.138+/-0.541 χ^2/NDF: 4603427.9/50

- sign 3862.088+/-0.754 χ^2/NDF: 2336498.8/25

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 894.667+/-630.222 χ^2/NDF:21.3/8

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

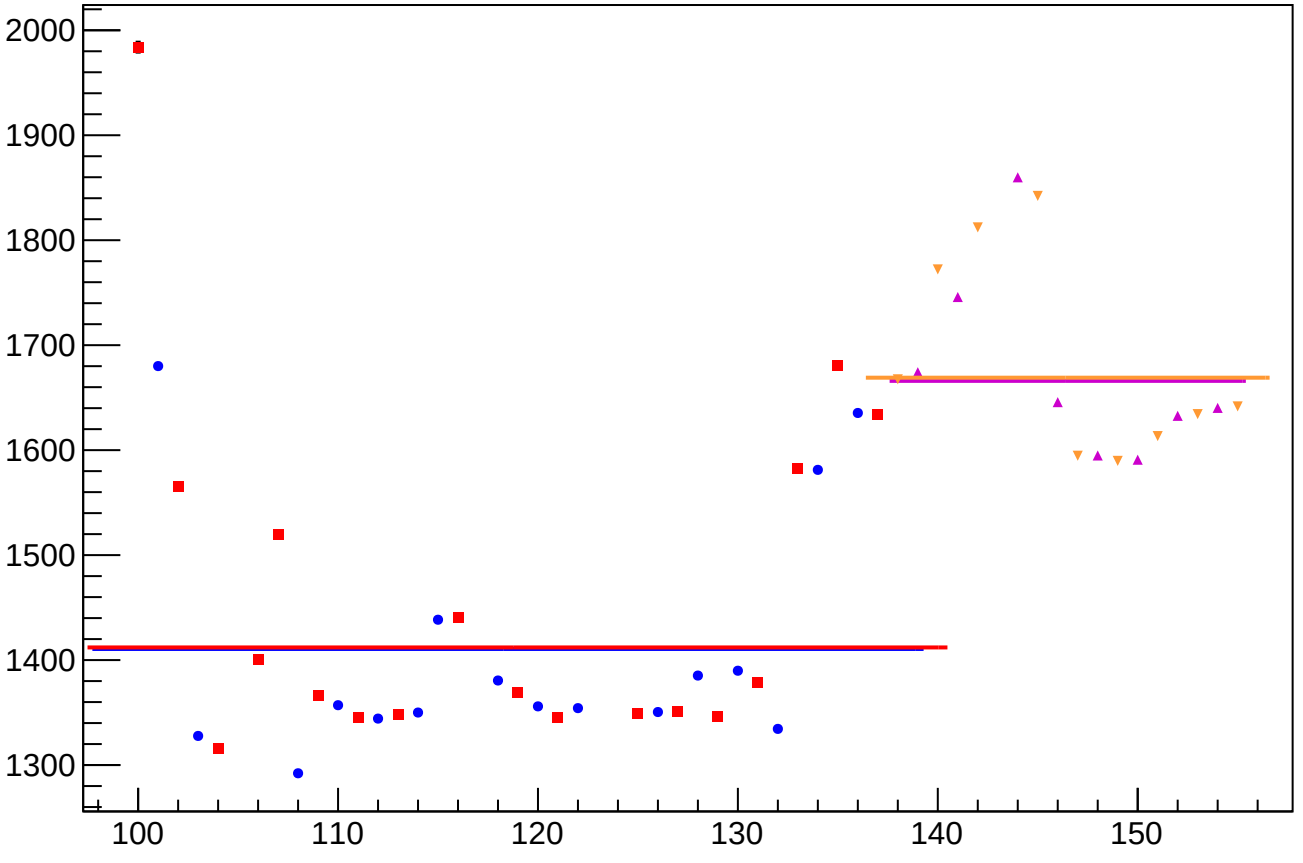
Left In: -2138.718+/-629.605 χ^2/NDF:11.6/7

+ sign 1504.730+/-404.340 χ^2/NDF: 29.2/24

All: -307.465+/-286.119 χ^2/NDF: 94.3/50

- sign -2124.925+/-404.927 χ^2/NDF: 24.8/25

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1669.029+/-0.446 χ^2/NDF:36448.5/8

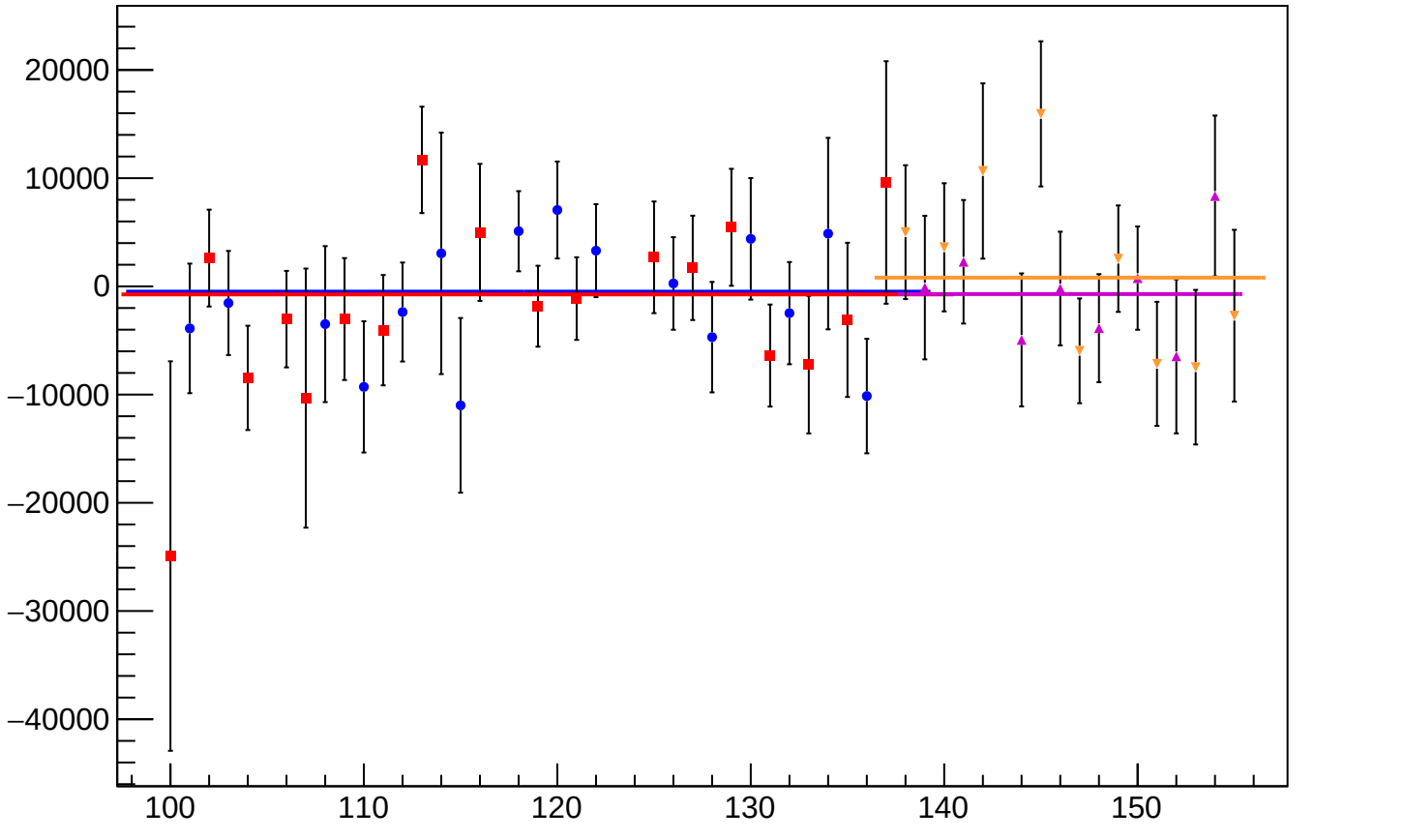
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1666.005+/-0.445 χ^2/NDF:32089.1/7

+ sign 1516.975+/-0.286 χ^2/NDF: 333473.4/24

All: 1516.869+/-0.202 χ^2/NDF: 646490.2/50

- sign 1516.764+/-0.286 χ^2/NDF: 313016.5/25



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 808.342+/-2032.565 χ^2/NDF:12.8/8

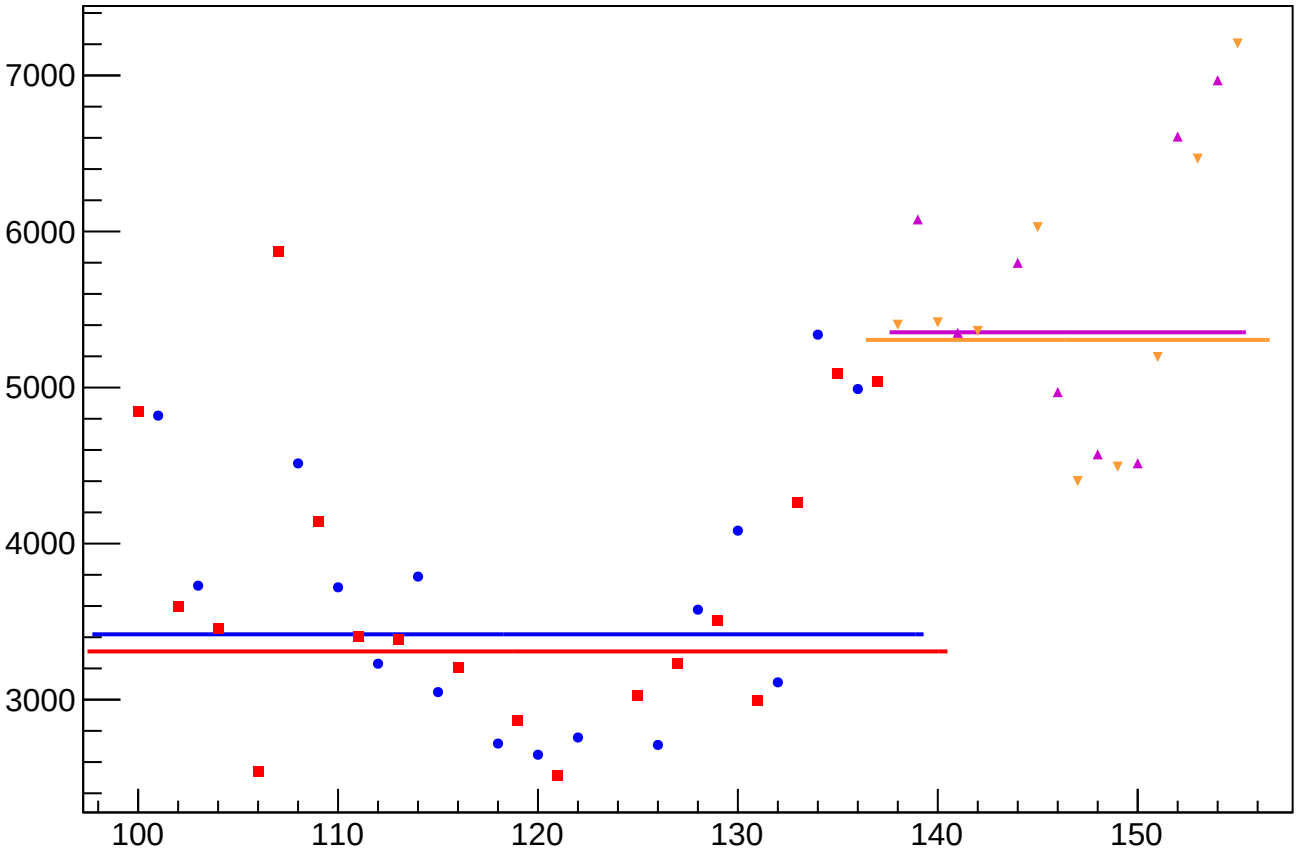
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -709.397+/-2049.846 χ^2/NDF:3.4/7

+ sign -109.074+/-1100.338 χ^2/NDF: 28.9/24

All: -430.507+/-765.606 χ^2/NDF: 51.7/50

- sign -732.158+/-1065.943 χ^2/NDF: 22.6/25



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5305.533+/-1.437 χ^2/NDF:317099.2/8

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

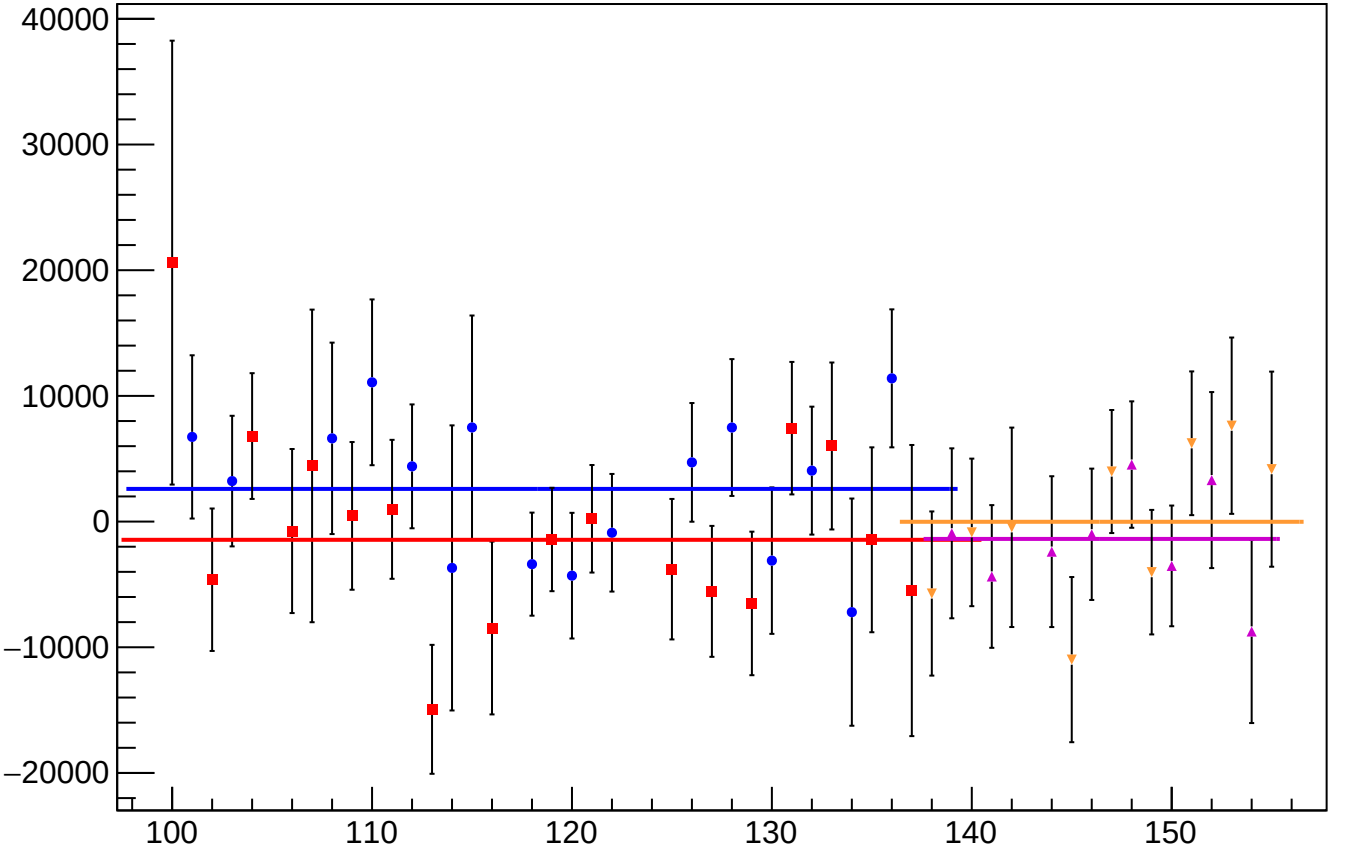
Left In: 5354.048+/-1.449 χ^2/NDF:312374.5/7

+ sign 3971.656+/-0.778 χ^2/NDF: 2256730.9/24

All: 3915.128+/-0.541 χ^2/NDF: 4603490.3/50

- sign 3862.079+/-0.754 χ^2/NDF: 2336527.5/25

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -16.064+/-2034.849 χ^2/NDF:7.6/8

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

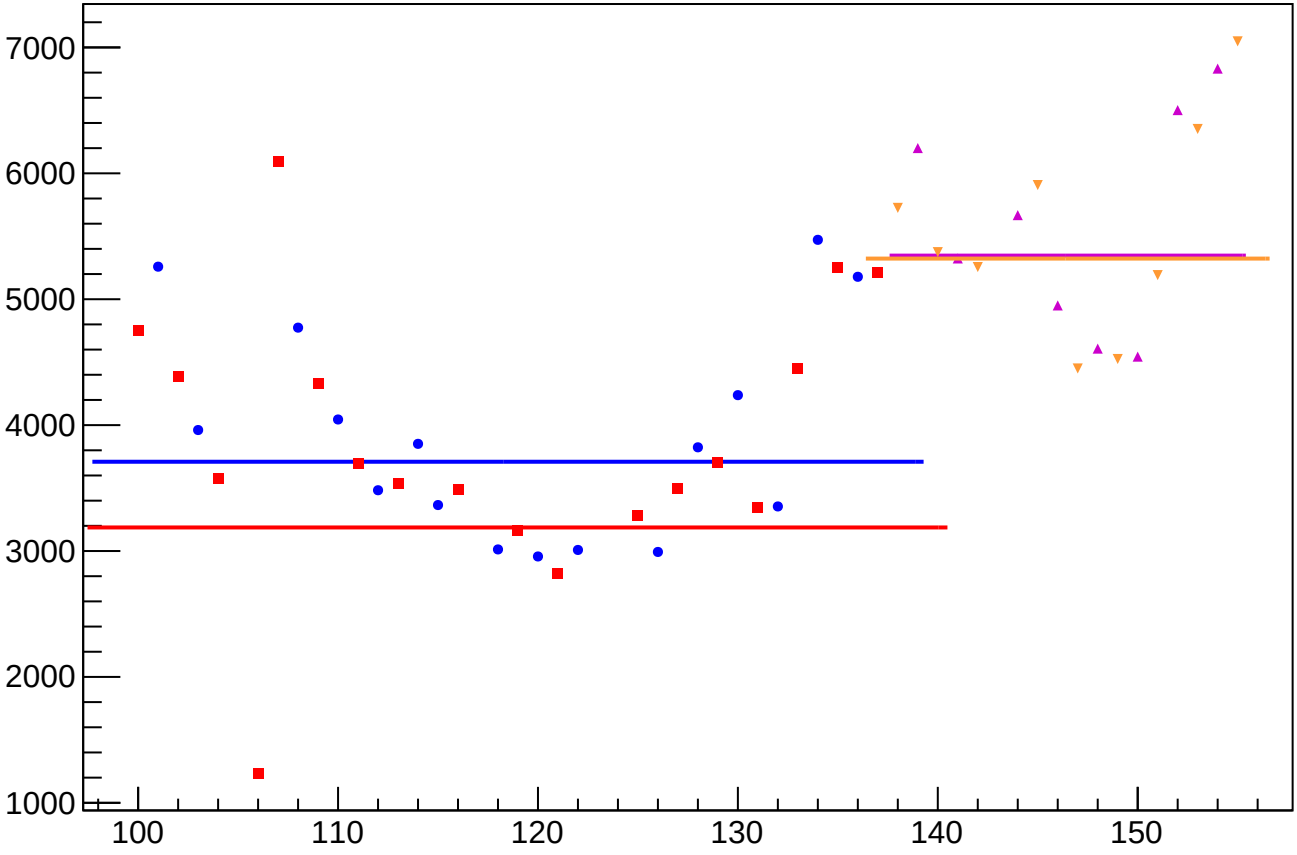
Left In: -1379.834+/-2043.636 χ^2/NDF:3.4/7

+ sign 1747.460+/-1161.450 χ^2/NDF: 22.2/24

All: 137.333+/-815.489 χ^2/NDF: 48.4/50

- sign -1428.251+/-1145.272 χ^2/NDF: 22.4/25

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5322.867+/-1.439 χ^2/NDF:282101.0/8

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

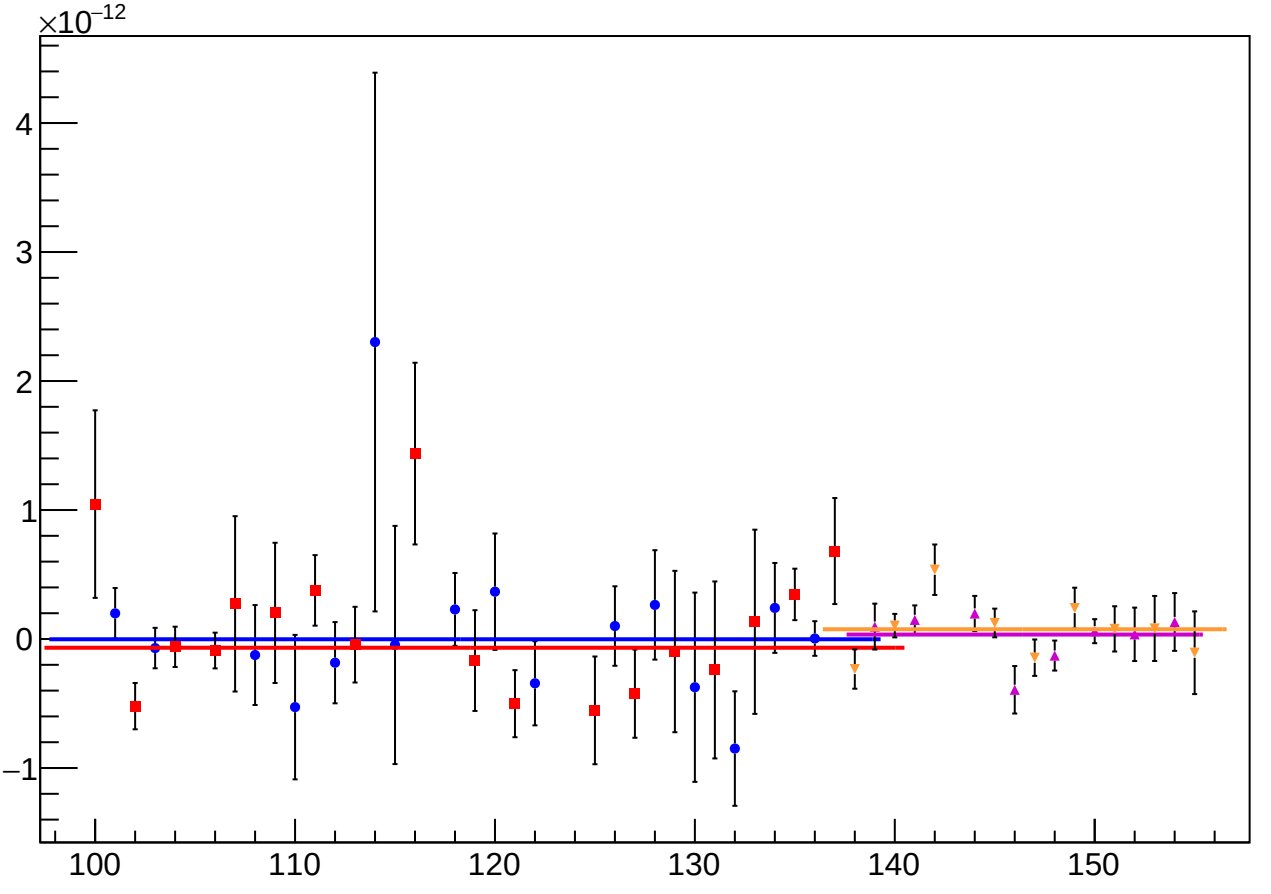
Left In: 5346.421+/-1.445 χ^2/NDF:285767.0/7

+ sign 4234.883+/-0.821 χ^2/NDF: 1740774.6/24

All: 3993.636+/-0.558 χ^2/NDF: 5410878.4/50

- sign 3786.371+/-0.761 χ^2/NDF: 3509681.0/25

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:13.8/8

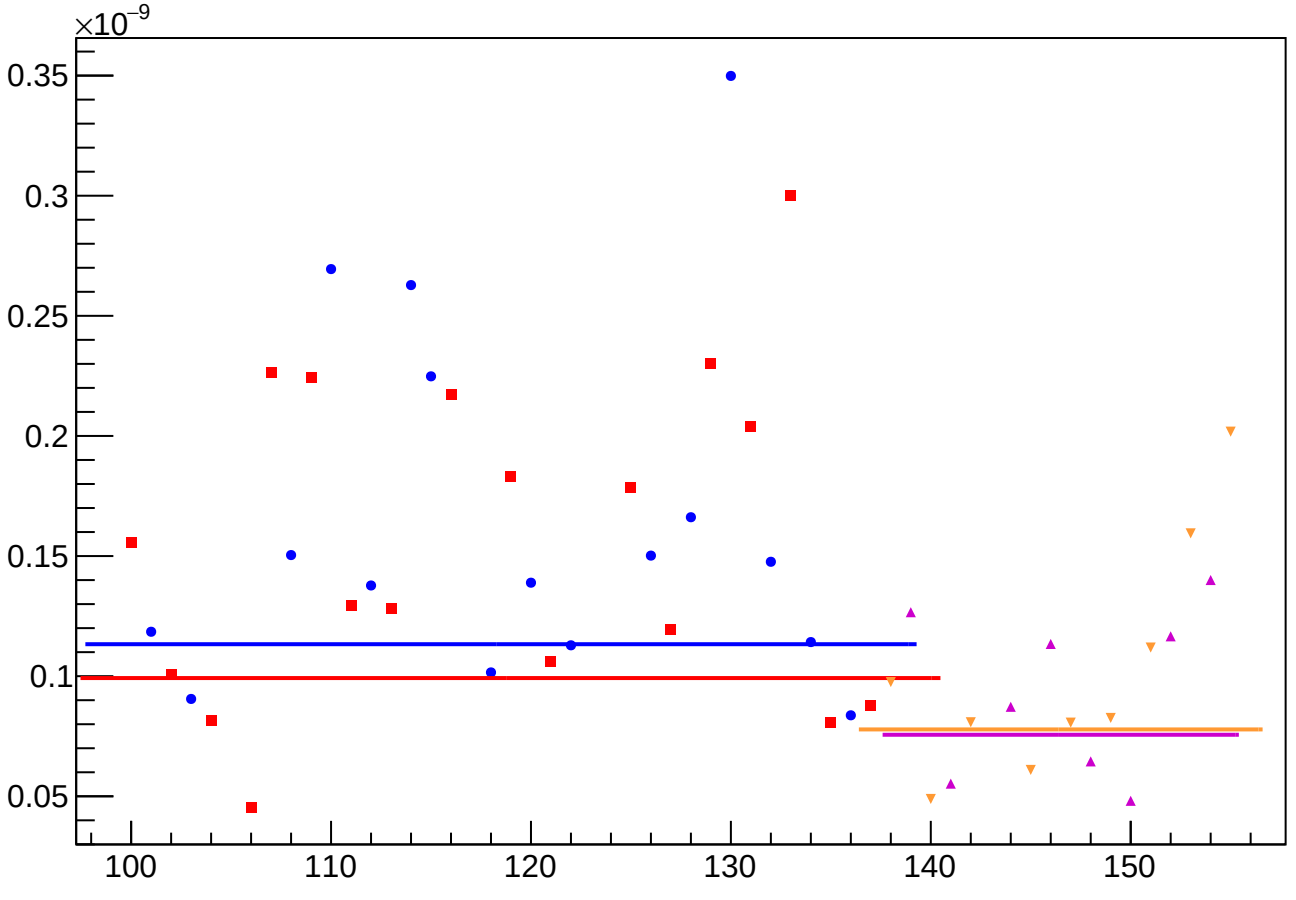
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/24

All: 0.000+/-0.000 χ^2/NDF: 67.9/50

- sign -0.000+/-0.000 χ^2/NDF: 41.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:868658.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

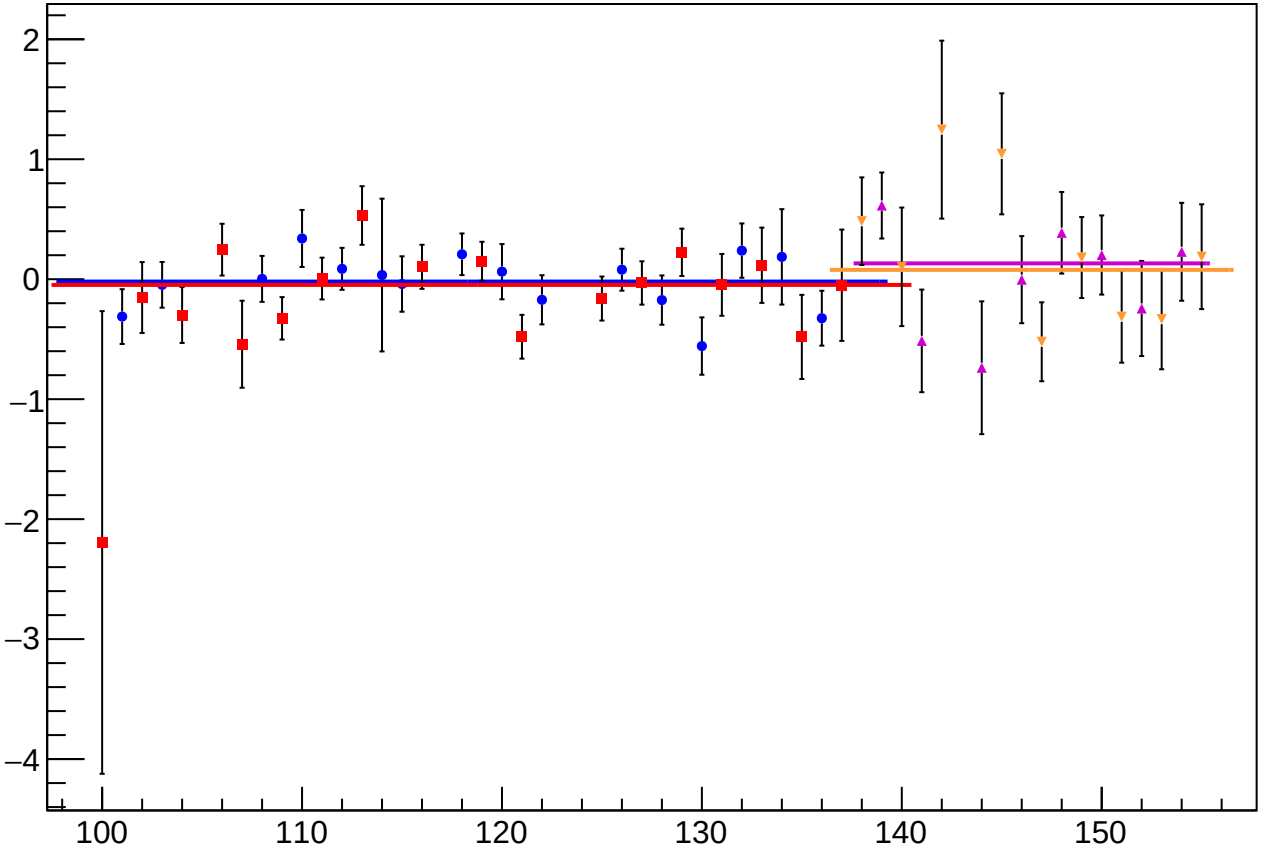
Left In: 0.000+/-0.000 χ^2/NDF:764702.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 1867064.1/24

All: 0.000+/-0.000 χ^2/NDF: 3918730.7/50

- sign 0.000+/-0.000 χ^2/NDF: 2032854.5/25

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: 0.078+/-0.137 χ^2/NDF:12.9/8

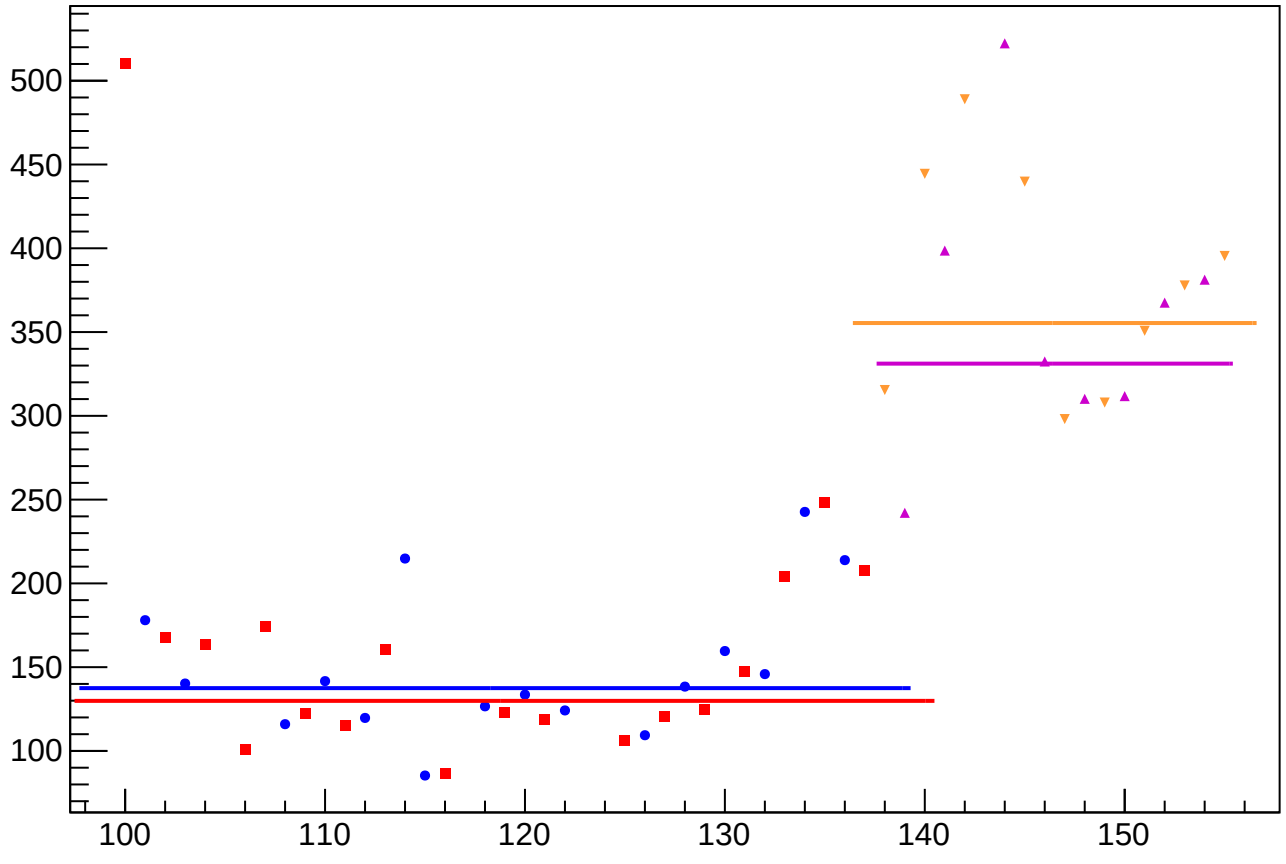
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.132+/-0.129 χ^2/NDF:9.5/7

+ sign -0.007+/-0.050 χ^2/NDF: 29.3/24

All: -0.015+/-0.035 χ^2/NDF: 66.9/50

- sign -0.022+/-0.049 χ^2/NDF: 37.5/25



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 355.390+/-0.097 χ^2/NDF:332932.1/8

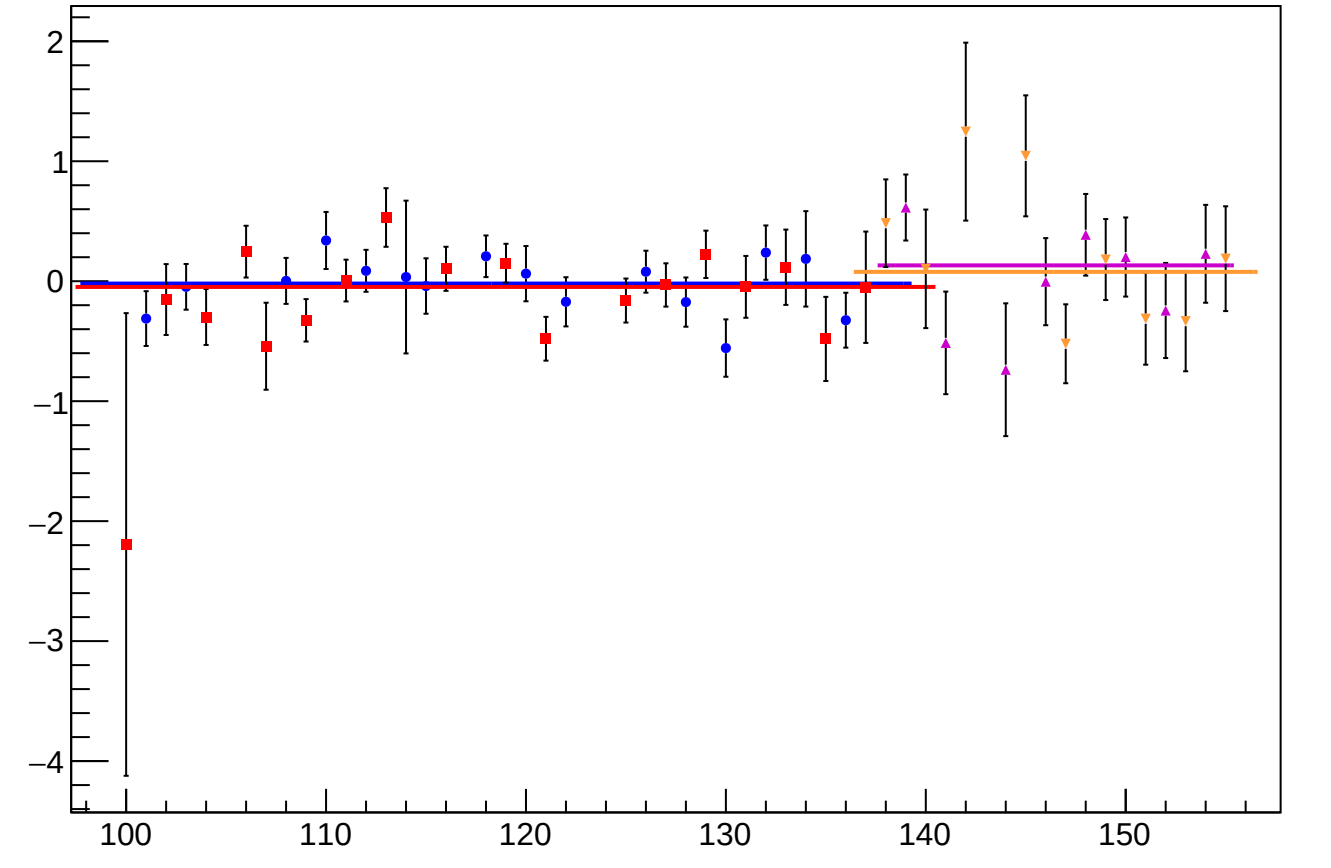
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 331.157+/-0.091 χ^2/NDF:559406.1/7

+ sign 166.920+/-0.036 χ^2/NDF: 5390433.4/24

All: 162.474+/-0.025 χ^2/NDF: 10969556.9/50

- sign 158.336+/-0.034 χ^2/NDF: 5549096.2/25



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.078+/-0.137 χ^2/NDF:12.9/8

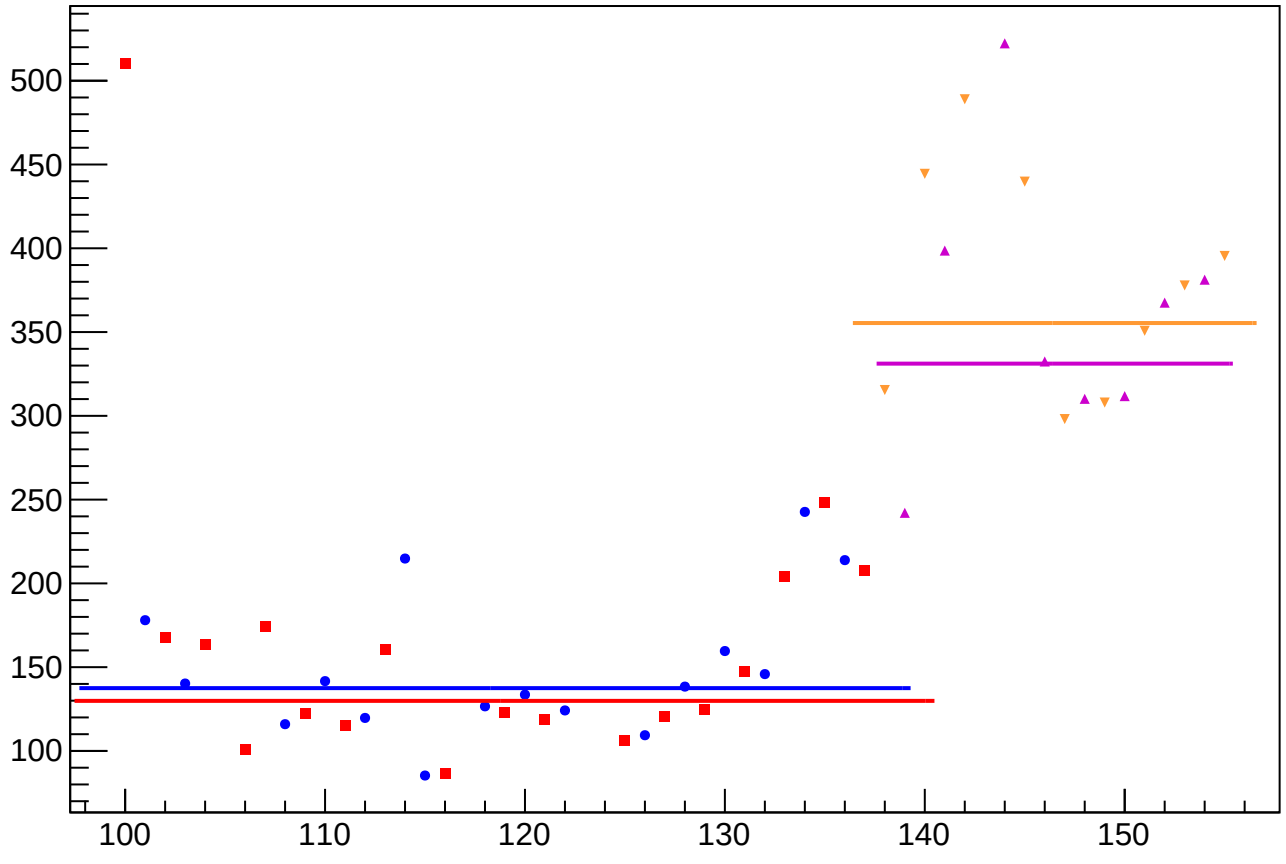
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.132+/-0.129 χ^2/NDF:9.5/7

+ sign -0.007+/-0.050 χ^2/NDF: 29.3/24

All: -0.015+/-0.035 χ^2/NDF: 66.9/50

- sign -0.022+/-0.049 χ^2/NDF: 37.5/25



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 355.390+/-0.097 χ^2/NDF:332932.1/8

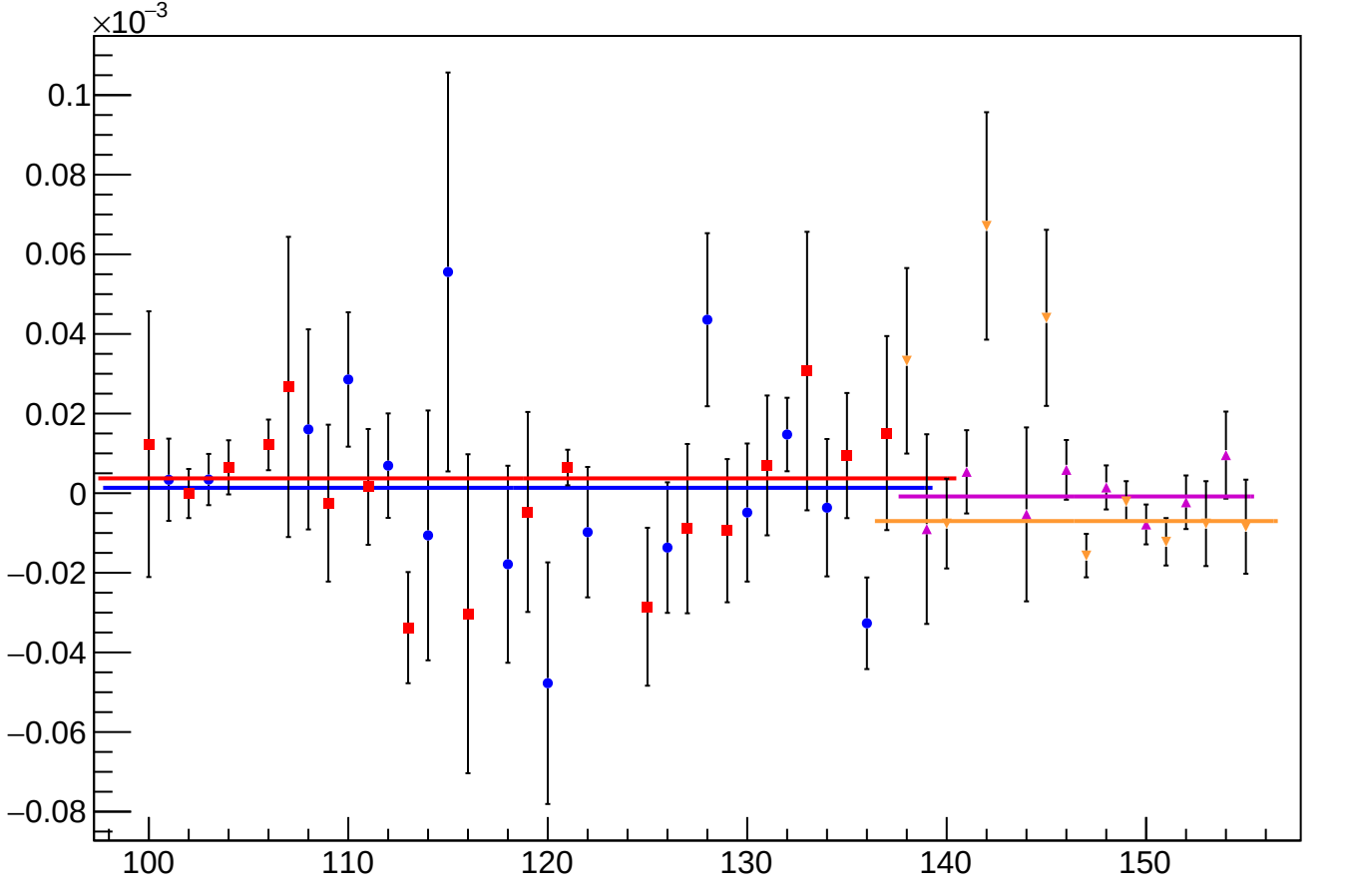
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 331.157+/-0.091 χ^2/NDF:559406.1/7

+ sign 166.920+/-0.036 χ^2/NDF: 5390433.4/24

All: 162.474+/-0.025 χ^2/NDF: 10969556.9/50

- sign 158.336+/-0.034 χ^2/NDF: 5549096.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/8

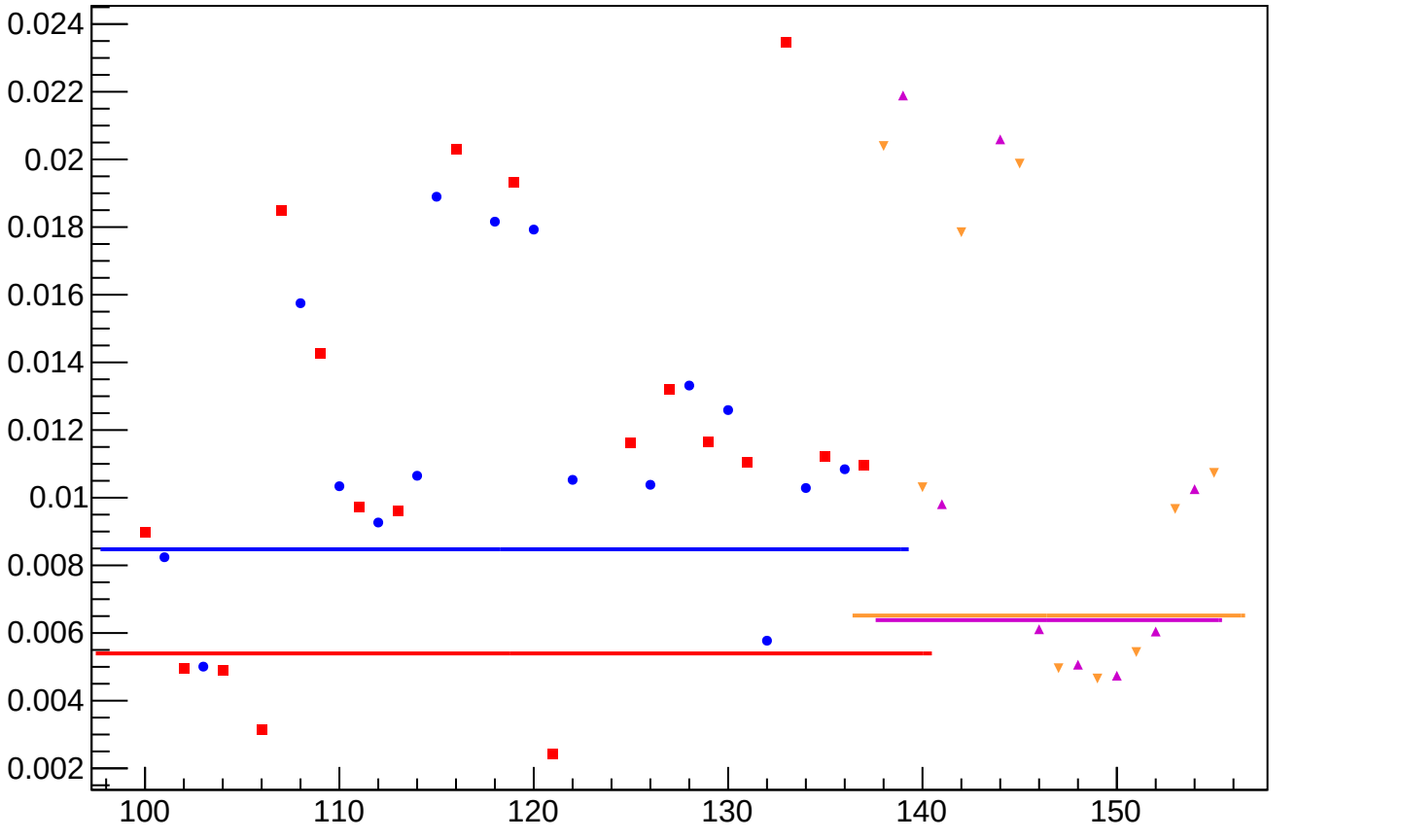
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:4.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 46.8/24

All: -0.000+/-0.000 χ^2/NDF: 72.0/50

- sign 0.000+/-0.000 χ^2/NDF: 21.7/25



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:2905569.4/8

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

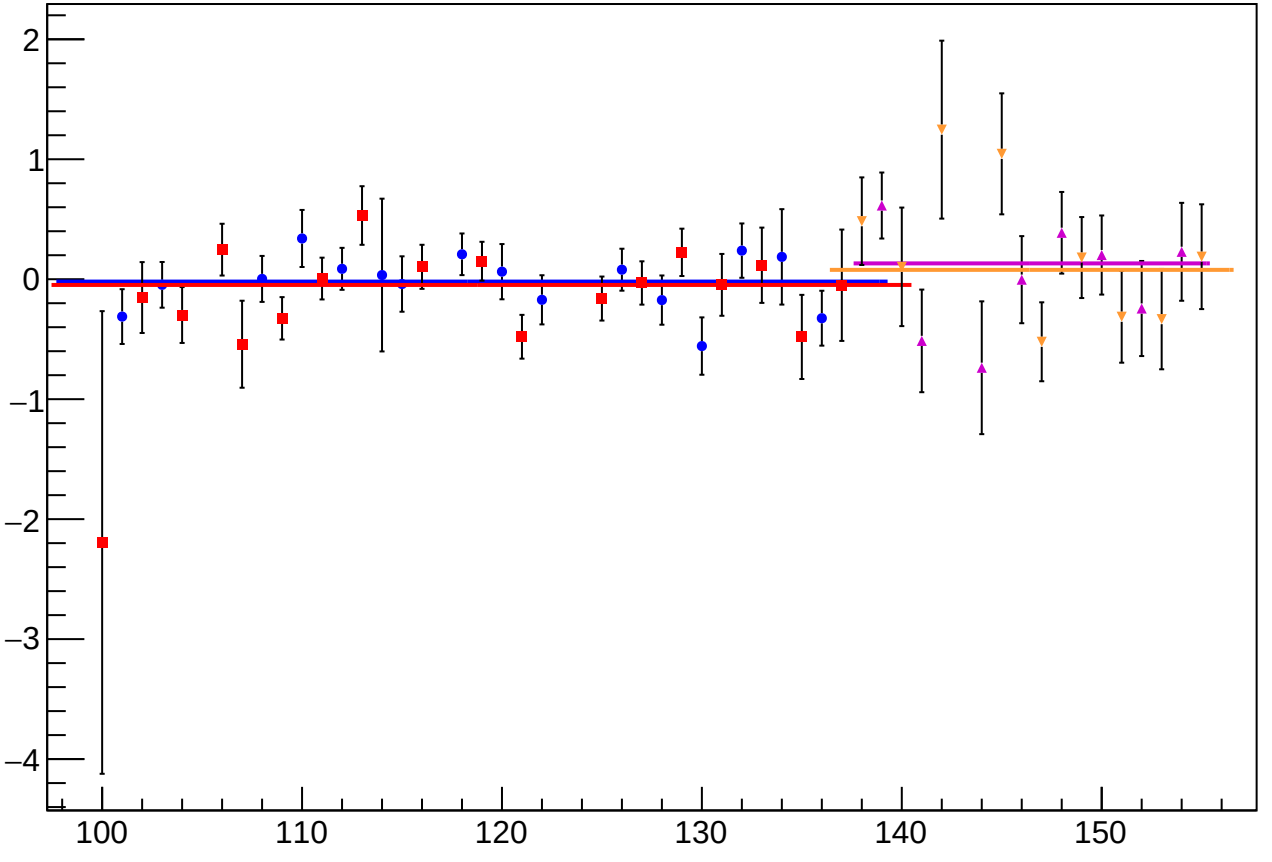
Left In: 0.006+/-0.000 χ^2/NDF:2496410.0/7

+ sign 0.007+/-0.000 χ^2/NDF: 5222601.7/24

All: 0.006+/-0.000 χ^2/NDF: 13277134.1/50

- sign 0.006+/-0.000 χ^2/NDF: 7545654.8/25

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: 0.078+/-0.137 χ^2/NDF:12.9/8

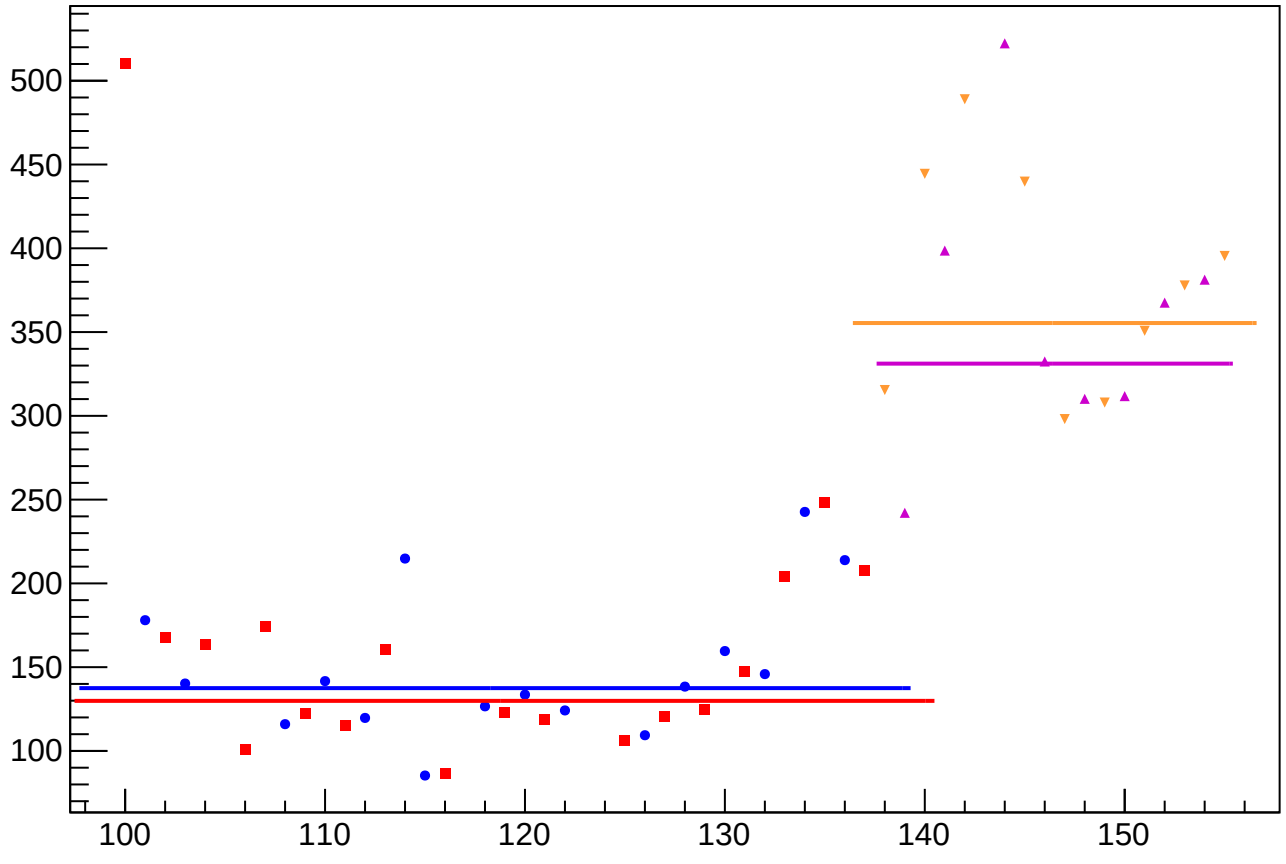
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.132+/-0.129 χ^2/NDF:9.5/7

+ sign -0.007+/-0.050 χ^2/NDF: 29.3/24

All: -0.015+/-0.035 χ^2/NDF: 66.9/50

- sign -0.022+/-0.049 χ^2/NDF: 37.5/25



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 355.393+/-0.097 χ^2/NDF:332965.1/8

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

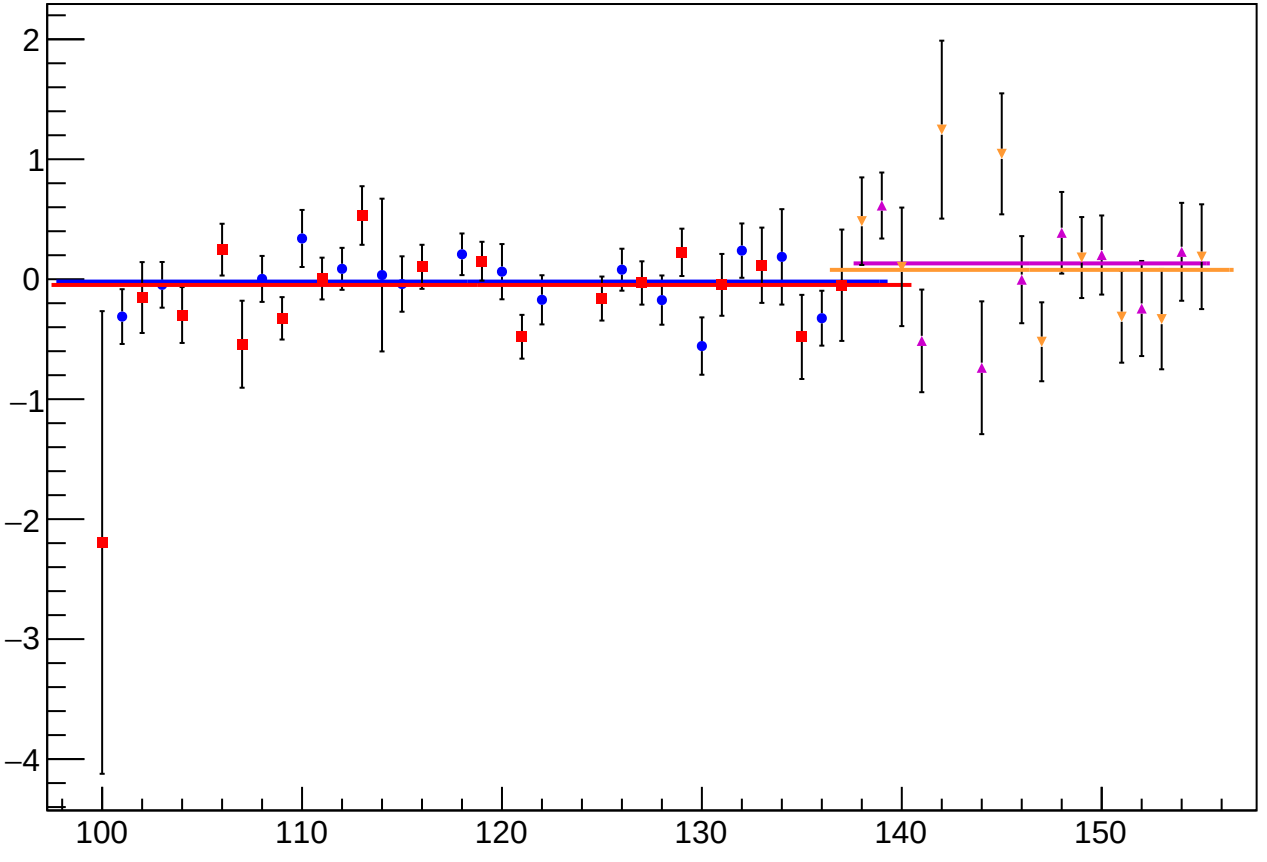
Left In: 331.162+/-0.091 χ^2/NDF:559390.9/7

+ sign 166.919+/-0.036 χ^2/NDF: 5390506.7/24

All: 162.474+/-0.025 χ^2/NDF: 10969665.3/50

- sign 158.336+/-0.034 χ^2/NDF: 5549132.6/25

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.078+/-0.137 χ^2/NDF:12.9/8

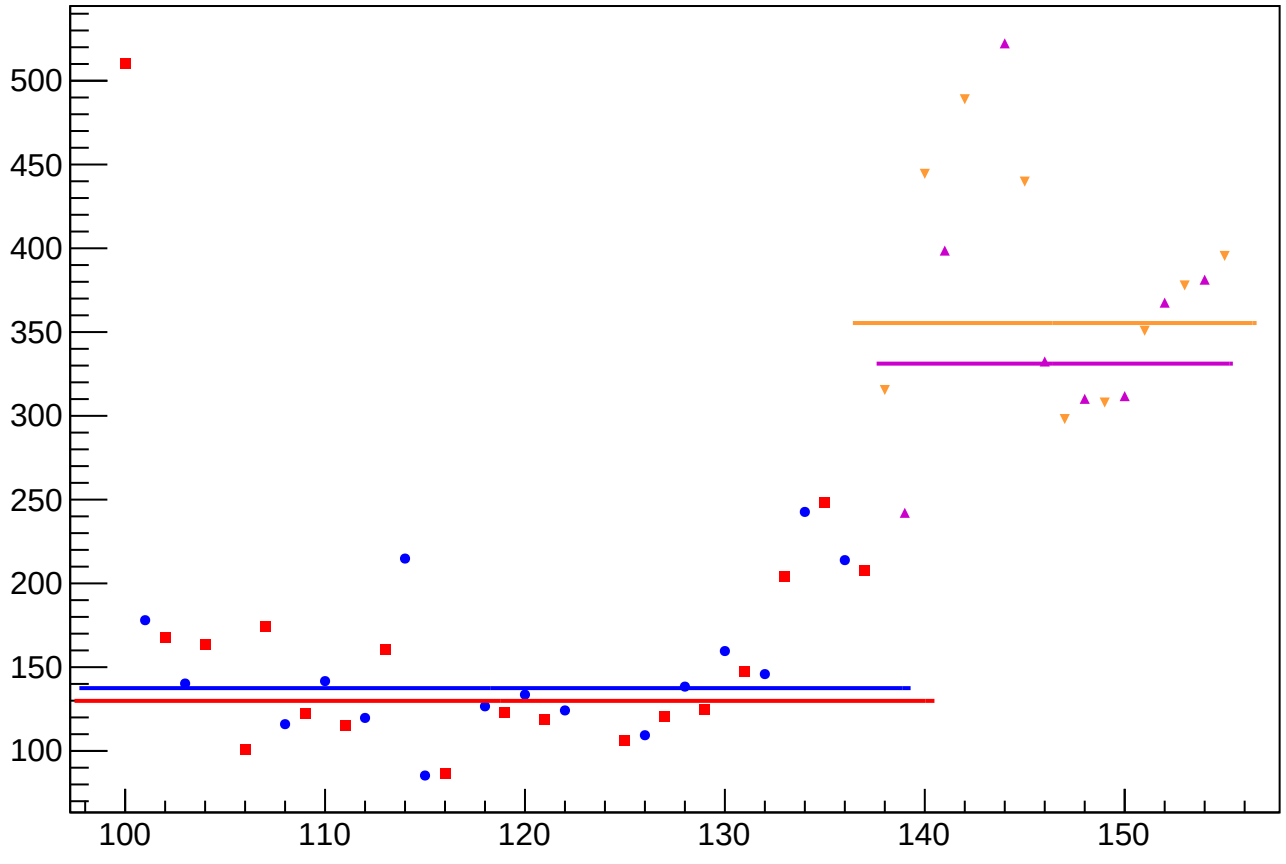
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.132+/-0.129 χ^2/NDF:9.5/7

+ sign -0.007+/-0.050 χ^2/NDF: 29.3/24

All: -0.015+/-0.035 χ^2/NDF: 66.9/50

- sign -0.022+/-0.049 χ^2/NDF: 37.5/25



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 355.393+/-0.097 χ^2/NDF:332965.1/8

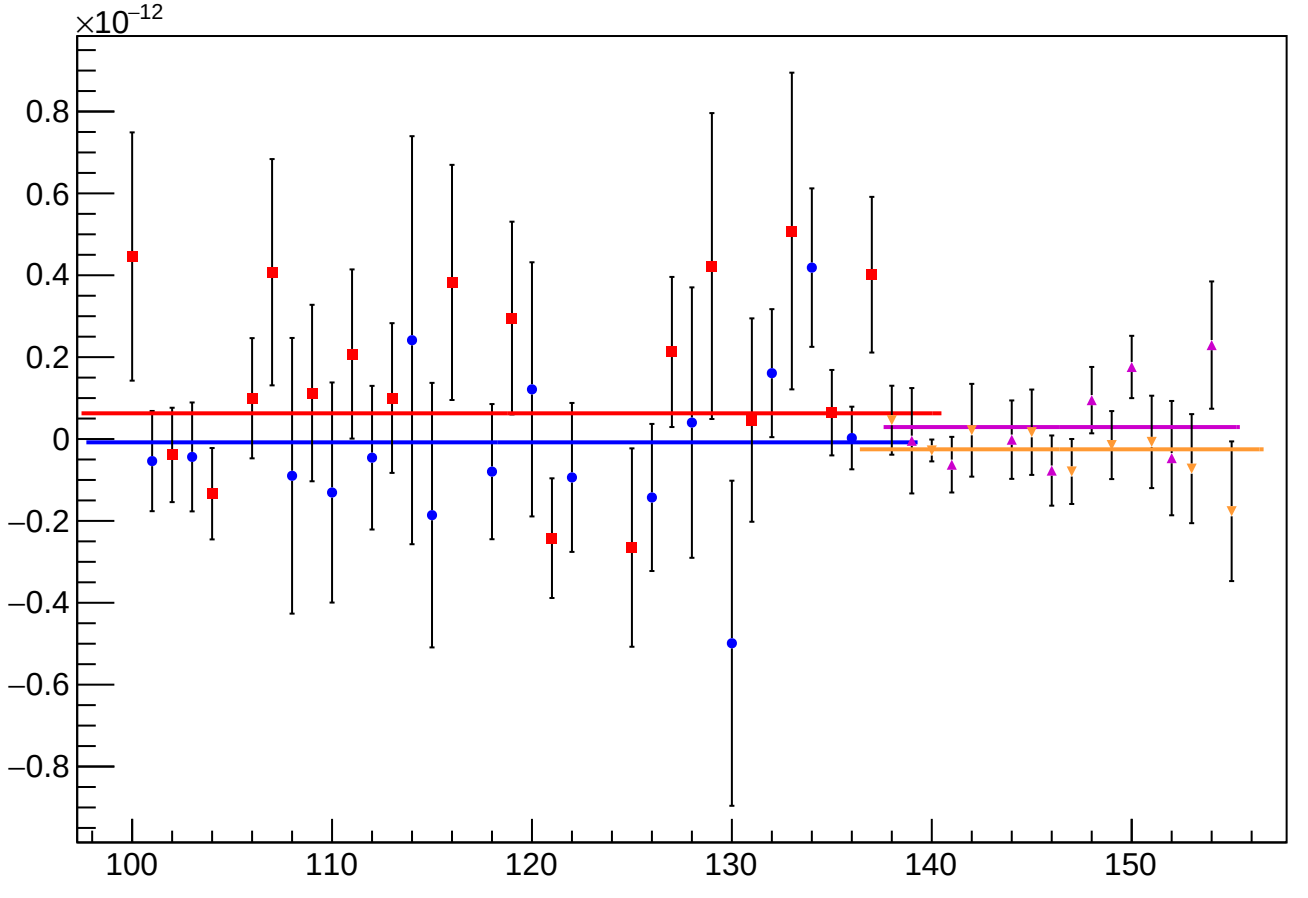
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 331.162+/-0.091 χ^2/NDF:559390.9/7

+ sign 166.919+/-0.036 χ^2/NDF: 5390506.7/24

All: 162.474+/-0.025 χ^2/NDF: 10969665.3/50

- sign 158.336+/-0.034 χ^2/NDF: 5549132.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/8

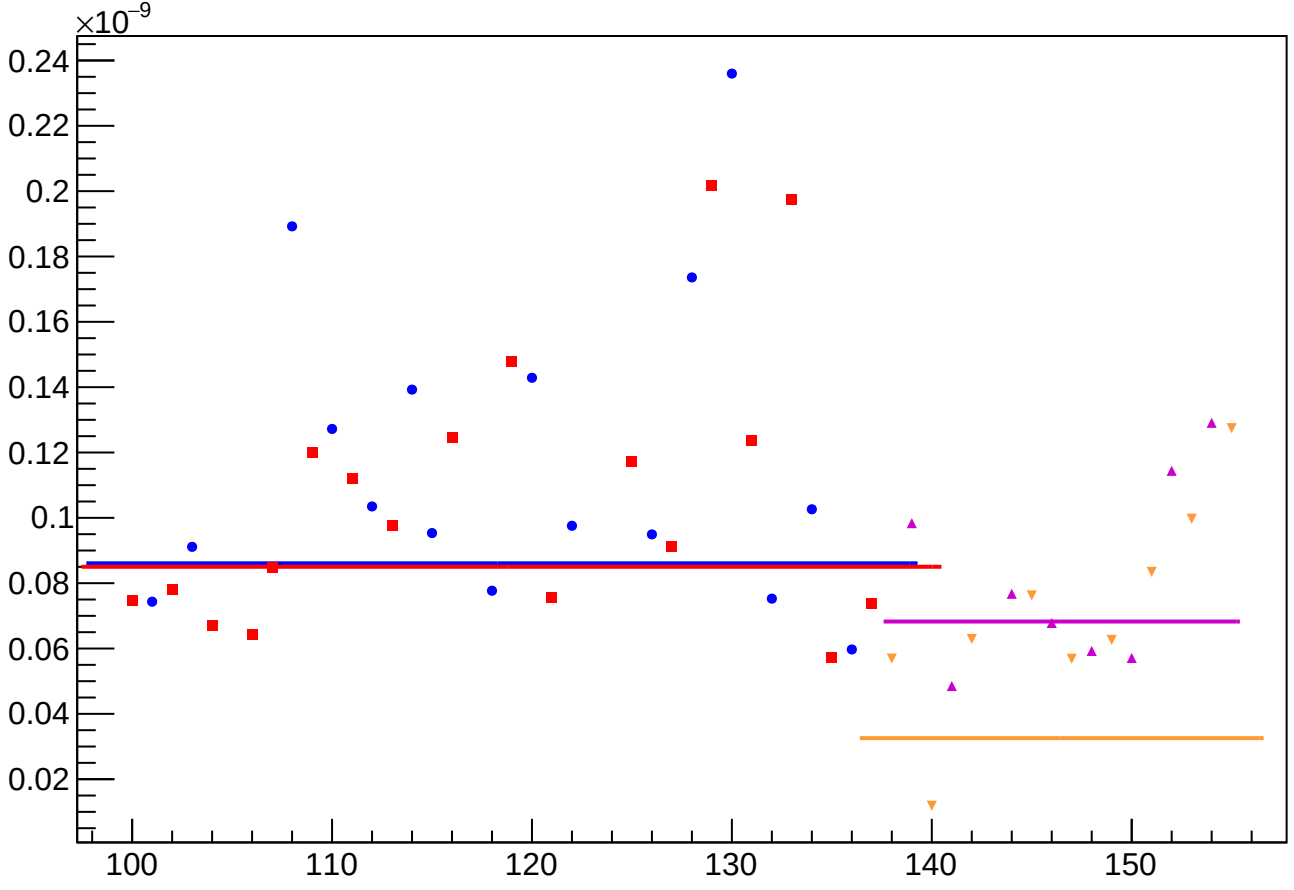
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 12.4/24

All: 0.000+/-0.000 χ^2/NDF: 48.8/50

- sign 0.000+/-0.000 χ^2/NDF: 32.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3847152.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

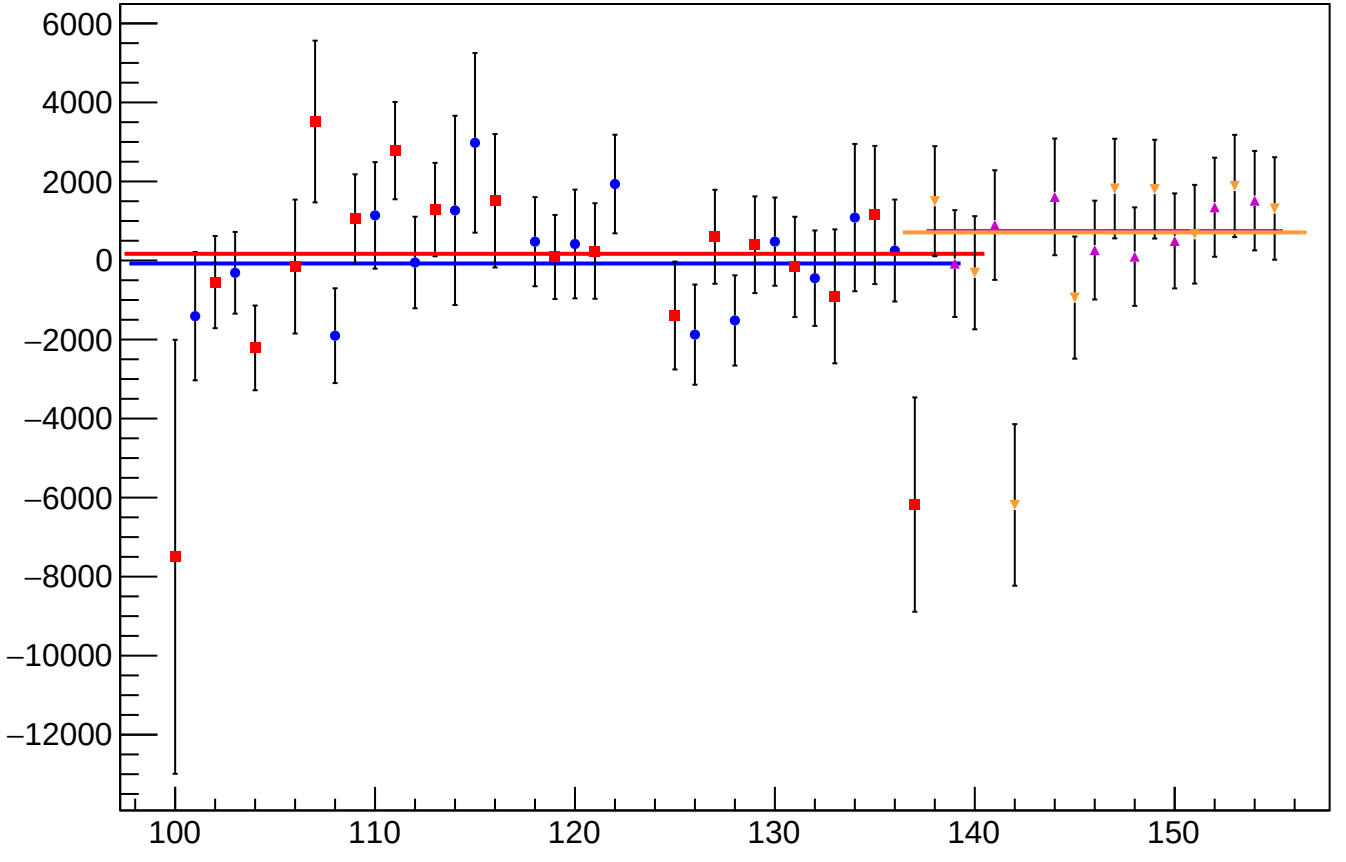
Left In: 0.000+/-0.000 χ^2/NDF:885966.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 7452106.8/24

All: 0.000+/-0.000 χ^2/NDF: 11425359.2/50

- sign 0.000+/-0.000 χ^2/NDF: 2069459.9/25

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 711.166+/-458.153 χ^2/NDF:15.9/8

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

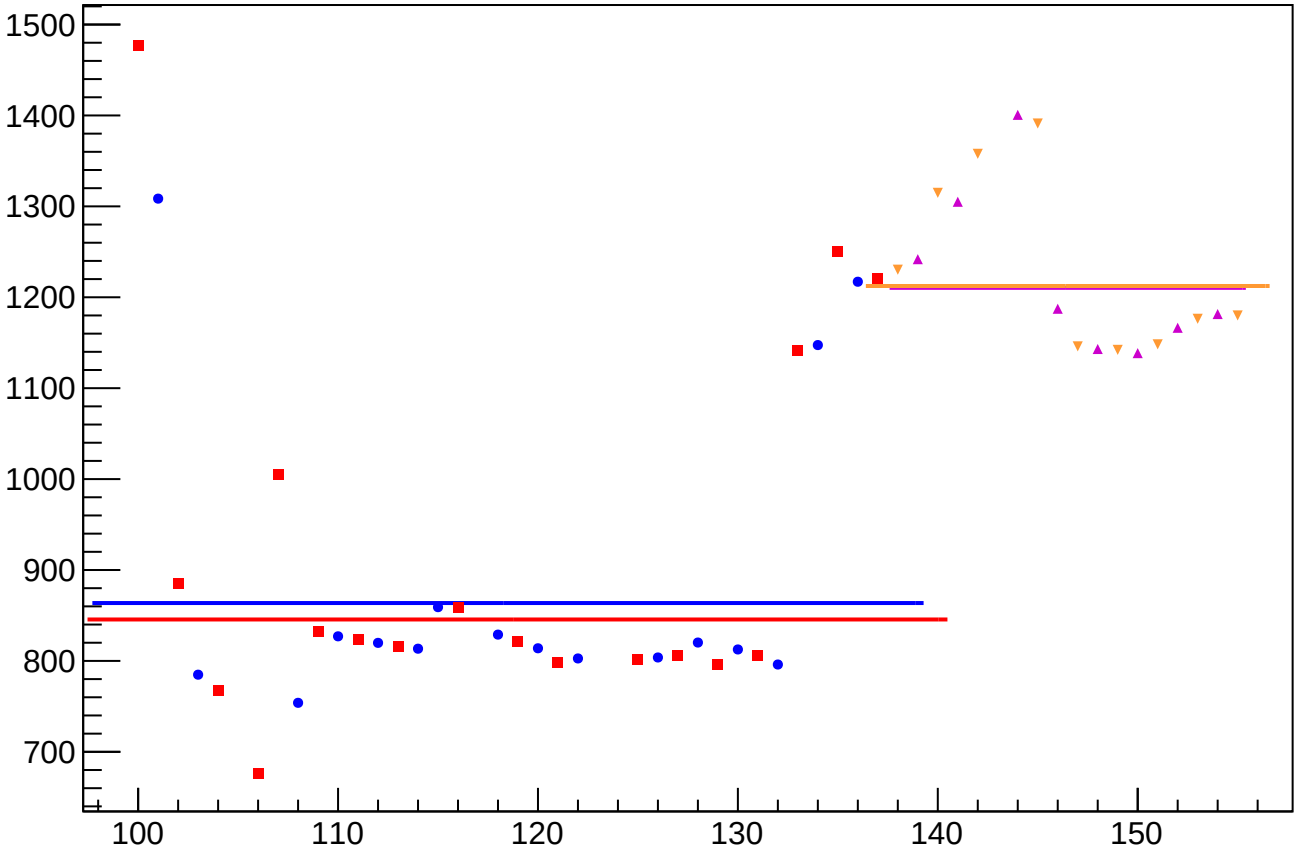
Left In: 744.885+/-457.900 χ^2/NDF:1.8/7

+ sign 188.867+/-265.742 χ^2/NDF: 31.2/24

All: 275.044+/-187.039 χ^2/NDF: 58.7/50

- sign 359.644+/-263.300 χ^2/NDF: 27.2/25

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1212.409+/-0.324 χ^2/NDF:67393.7/8

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

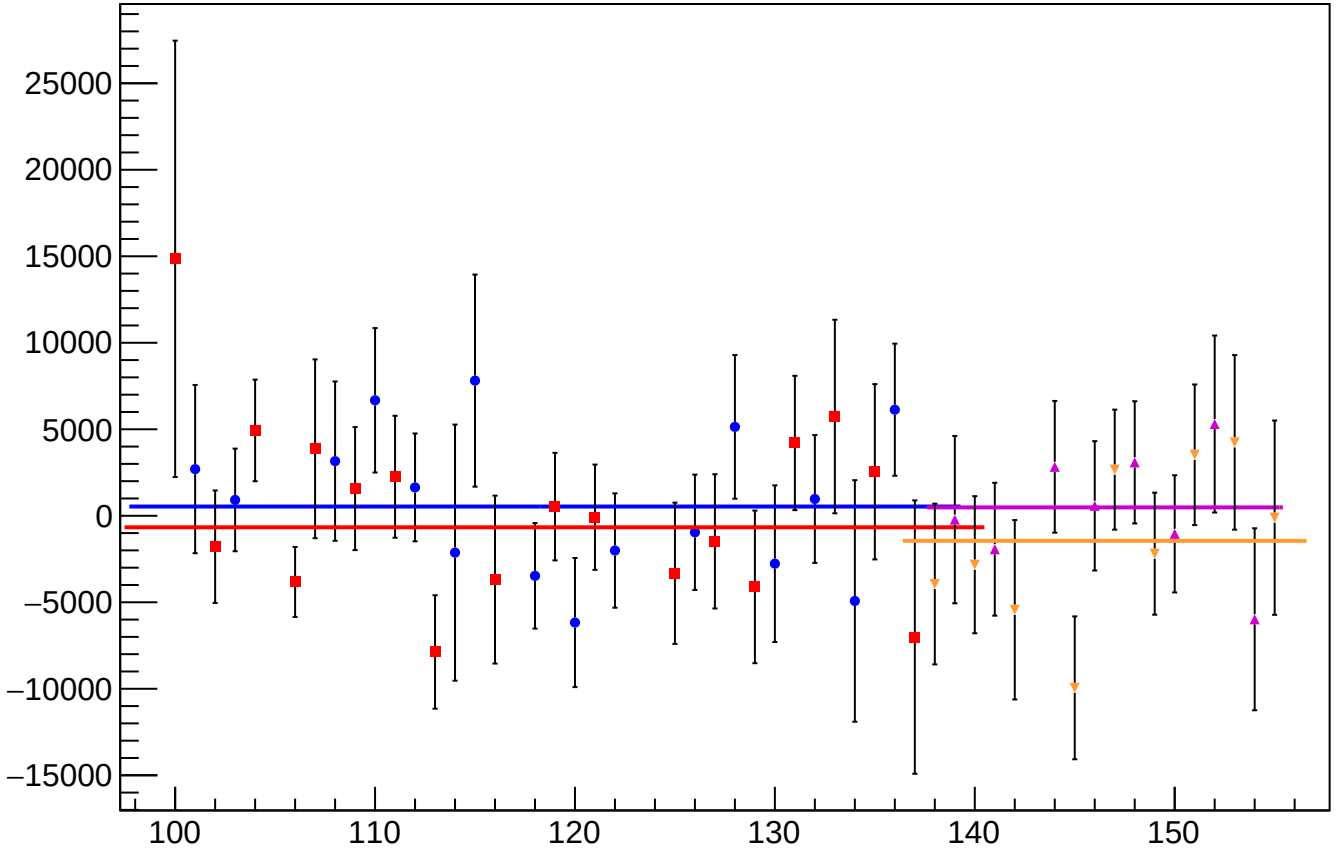
Left In: 1210.360+/-0.324 χ^2/NDF:60782.7/7

+ sign 980.992+/-0.188 χ^2/NDF: 1243872.1/24

All: 972.445+/-0.132 χ^2/NDF: 2473045.7/50

- sign 964.192+/-0.185 χ^2/NDF: 1225106.6/25

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -1449.820+/-1412.796 χ^2/NDF:9.5/8

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

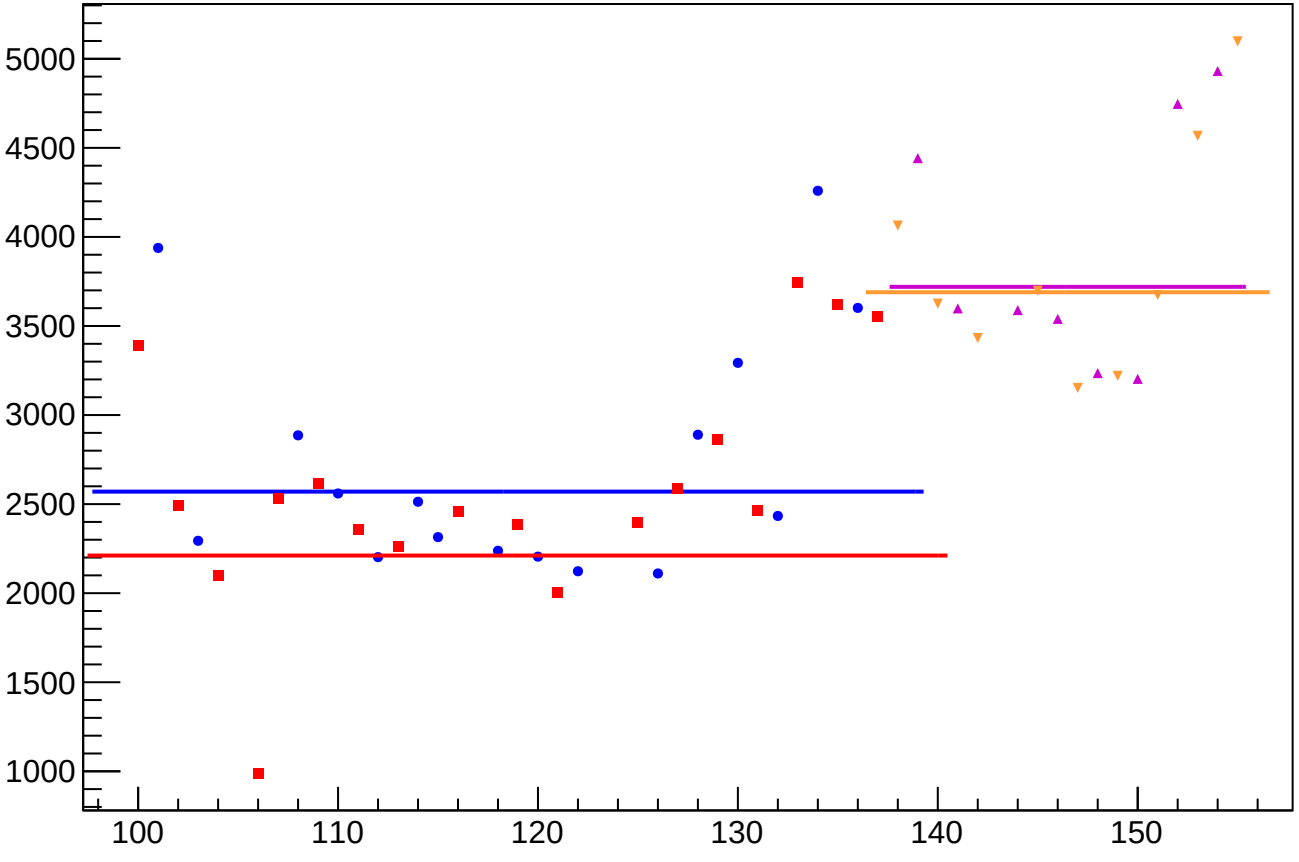
Left In: 484.826+/-1424.340 χ^2/NDF:3.9/7

+ sign -111.258+/-805.954 χ^2/NDF: 25.5/24

All: -244.081+/-544.815 χ^2/NDF: 49.9/50

- sign -355.849+/-739.321 χ^2/NDF: 24.4/25

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3689.519+/-0.999 χ^2/NDF:288234.2/8

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

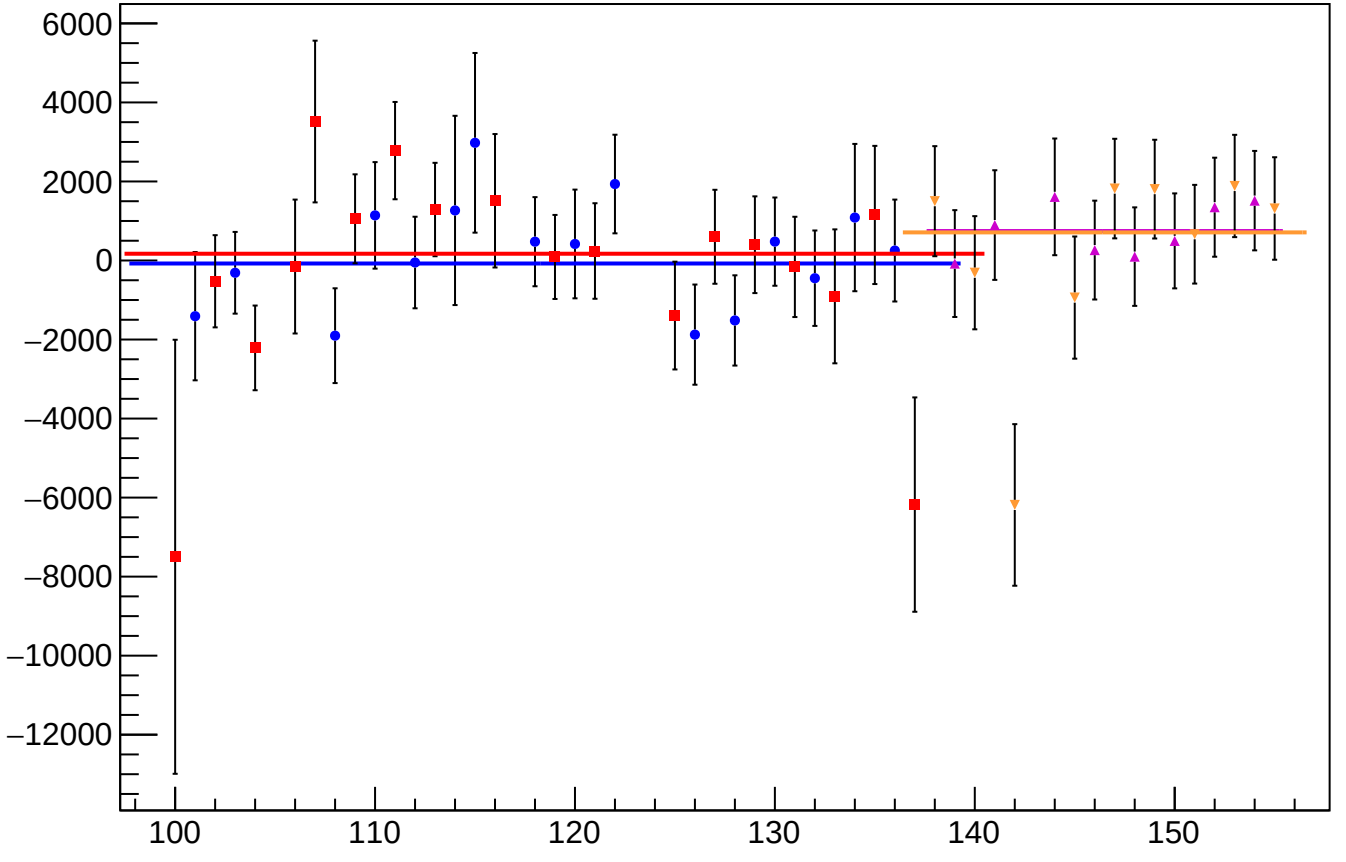
Left In: 3719.844+/-1.007 χ^2/NDF:324527.9/7

+ sign 2934.419+/-0.570 χ^2/NDF: 1797656.2/24

All: 2762.438+/-0.385 χ^2/NDF: 5193056.8/50

- sign 2617.718+/-0.523 χ^2/NDF: 3227697.9/25

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 711.113+/-458.153 χ^2/NDF:15.9/8

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

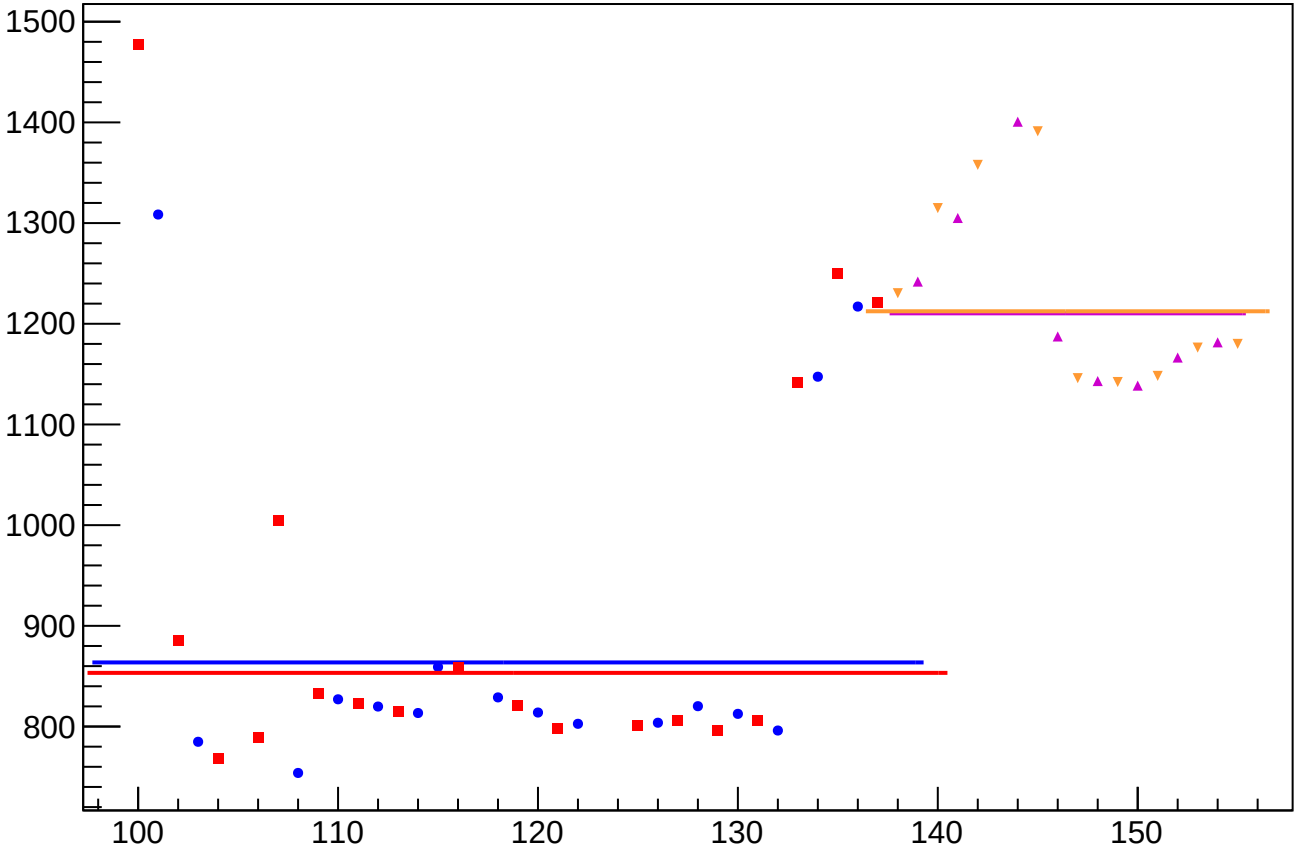
Left In: 744.923+/-457.900 χ^2/NDF:1.8/7

+ sign 188.798+/-265.742 χ^2/NDF: 31.2/24

All: 275.570+/-187.040 χ^2/NDF: 58.7/50

- sign 360.756+/-263.303 χ^2/NDF: 27.2/25

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1212.409+/-0.324 χ^2/NDF:67393.7/8

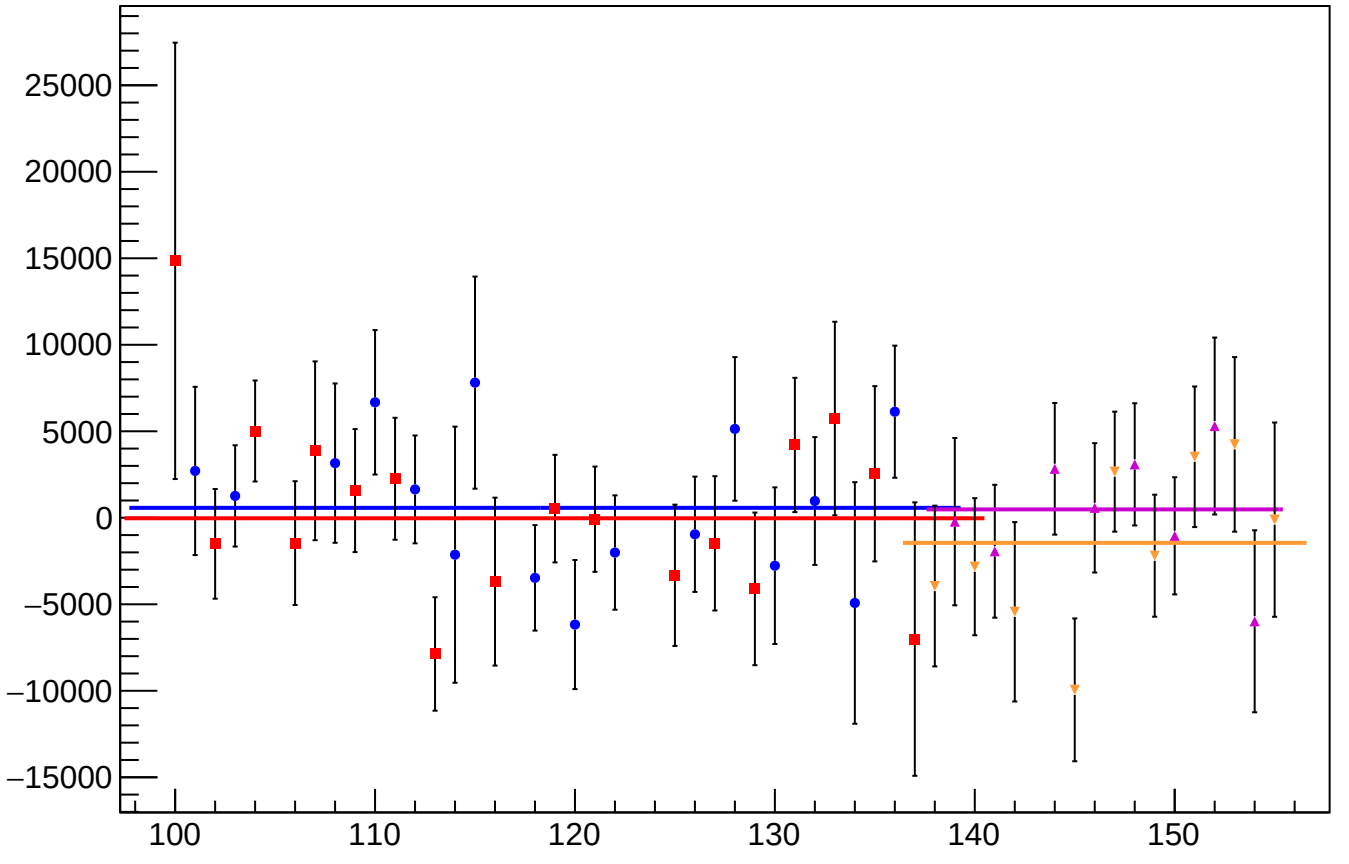
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1210.360+/-0.324 χ^2/NDF:60782.7/7

\+ sign 980.992+/-0.188 χ^2/NDF: 1243872.1/24

All: 975.699+/-0.132 χ^2/NDF: 2398408.3/50

\- sign 970.538+/-0.186 χ^2/NDF: 1152969.0/25



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1449.877+/-1412.796 χ^2/NDF:9.5/8

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

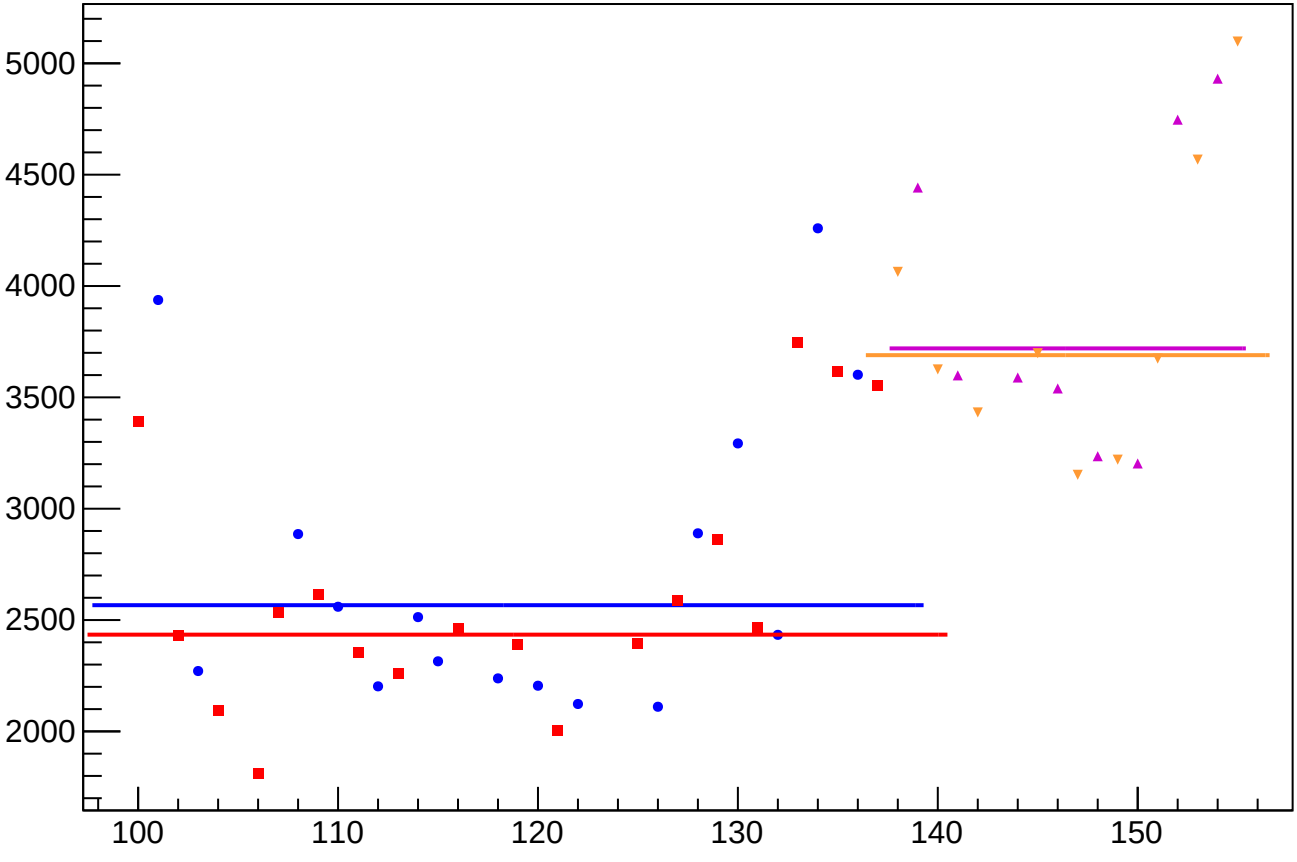
Left In: 484.861+/-1424.337 χ^2/NDF:3.9/7

+ sign -82.686+/-805.159 χ^2/NDF: 25.6/24

All: 24.228+/-558.013 χ^2/NDF: 46.9/50

- sign 123.043+/-774.060 χ^2/NDF: 21.2/25

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3689.518+/-0.999 χ^2/NDF:288232.2/8

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

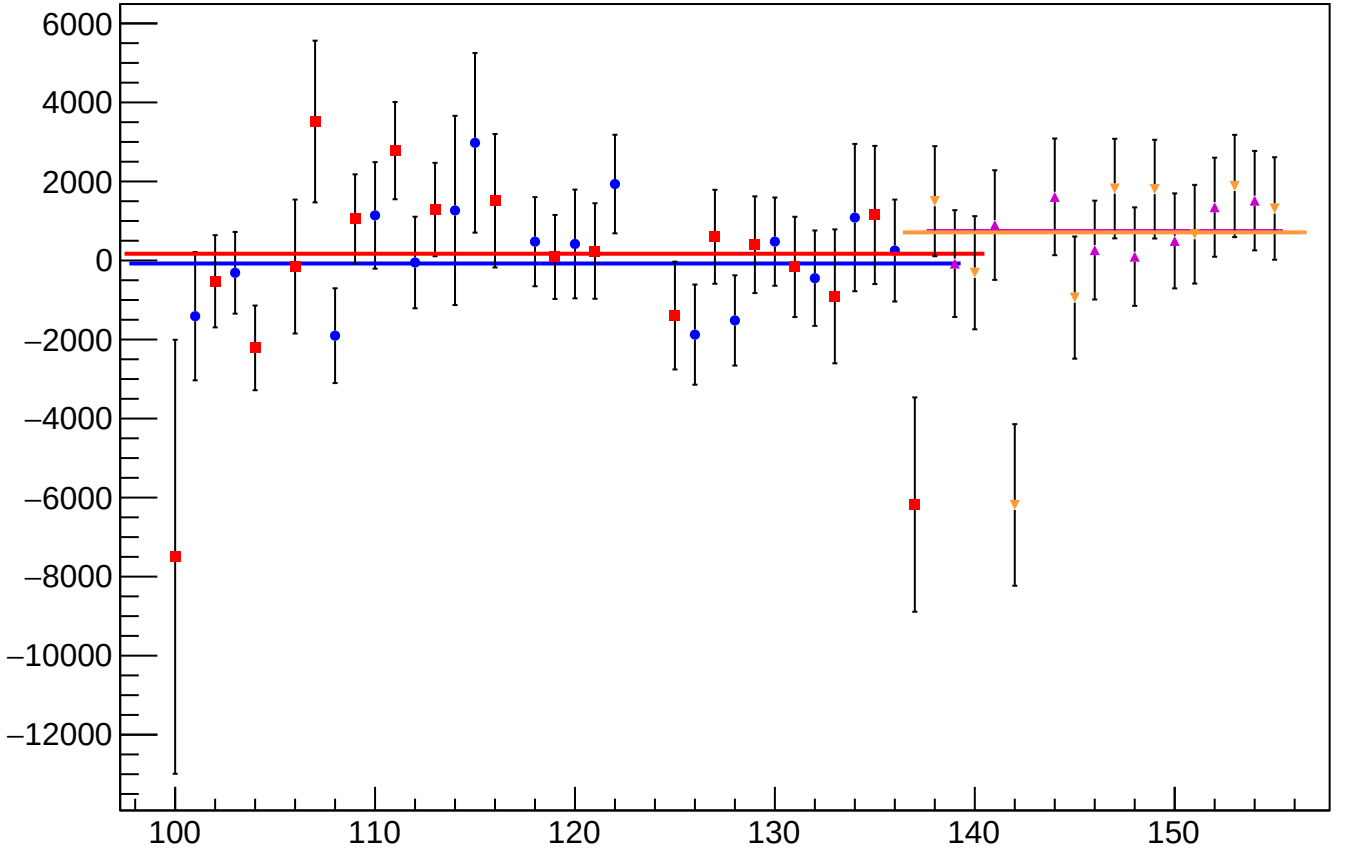
Left In: 3719.838+/-1.007 χ^2/NDF:324526.9/7

+ sign 2931.403+/-0.569 χ^2/NDF: 1807014.0/24

All: 2870.424+/-0.395 χ^2/NDF: 3735492.7/50

- sign 2814.064+/-0.547 χ^2/NDF: 1906403.9/25

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 711.113+/-458.153 χ^2/NDF:15.9/8

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

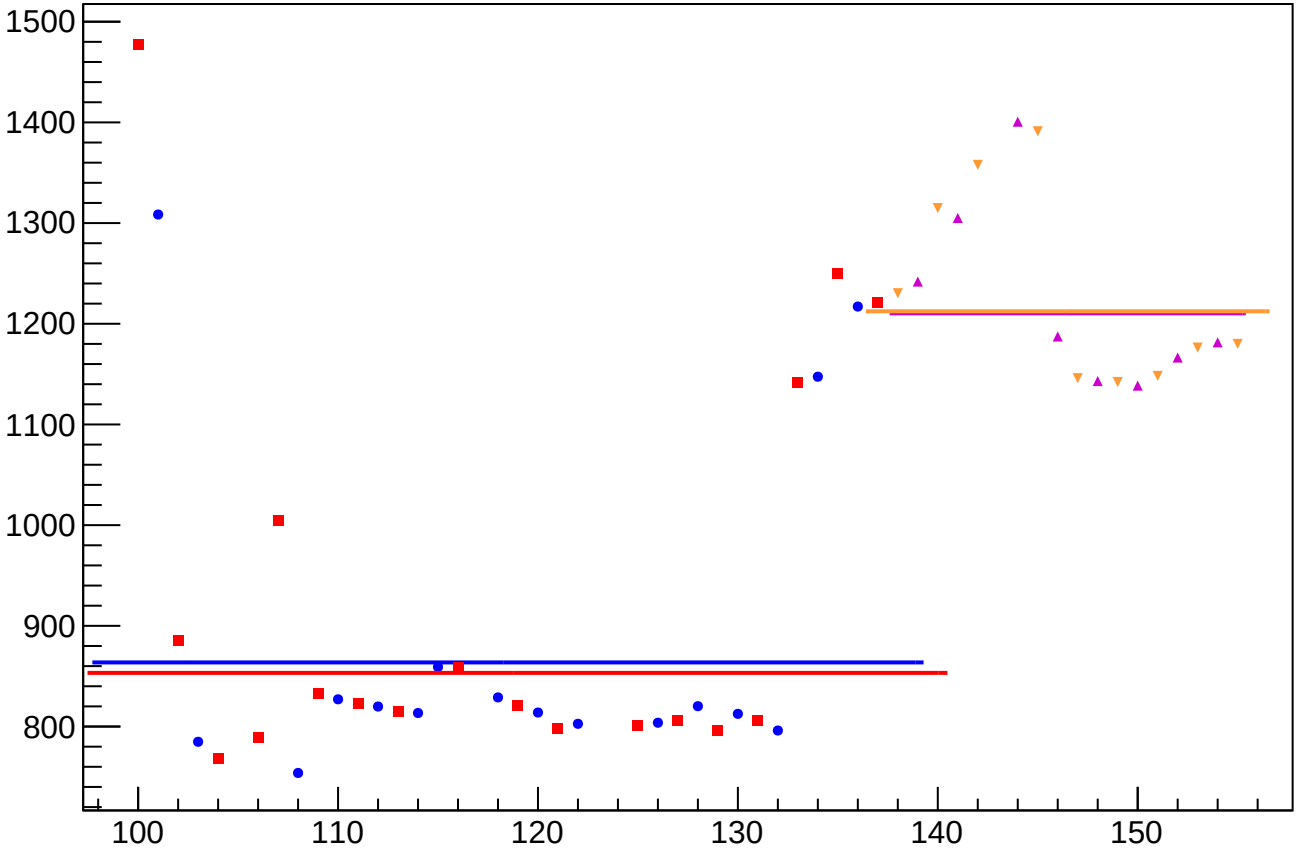
Left In: 744.923+/-457.900 χ^2/NDF:1.8/7

+ sign 188.798+/-265.742 χ^2/NDF: 31.2/24

All: 275.570+/-187.040 χ^2/NDF: 58.7/50

- sign 360.756+/-263.303 χ^2/NDF: 27.2/25

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1212.409+/-0.324 χ^2/NDF:67393.7/8

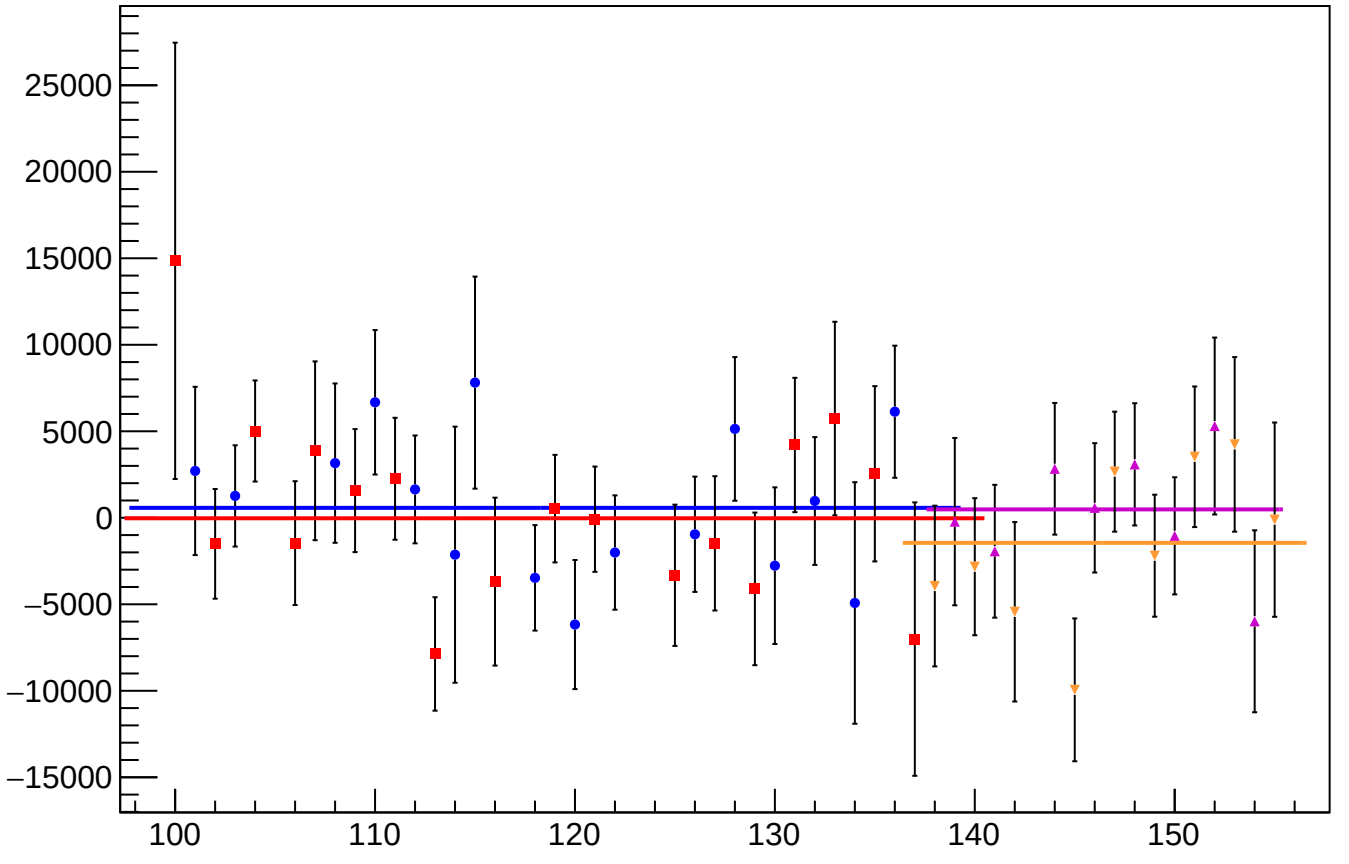
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1210.360+/-0.324 χ^2/NDF:60782.7/7

\+ sign 980.992+/-0.188 χ^2/NDF: 1243872.1/24

All: 975.699+/-0.132 χ^2/NDF: 2398408.3/50

\- sign 970.538+/-0.186 χ^2/NDF: 1152969.0/25



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1449.877+/-1412.796 χ^2/NDF:9.5/8

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

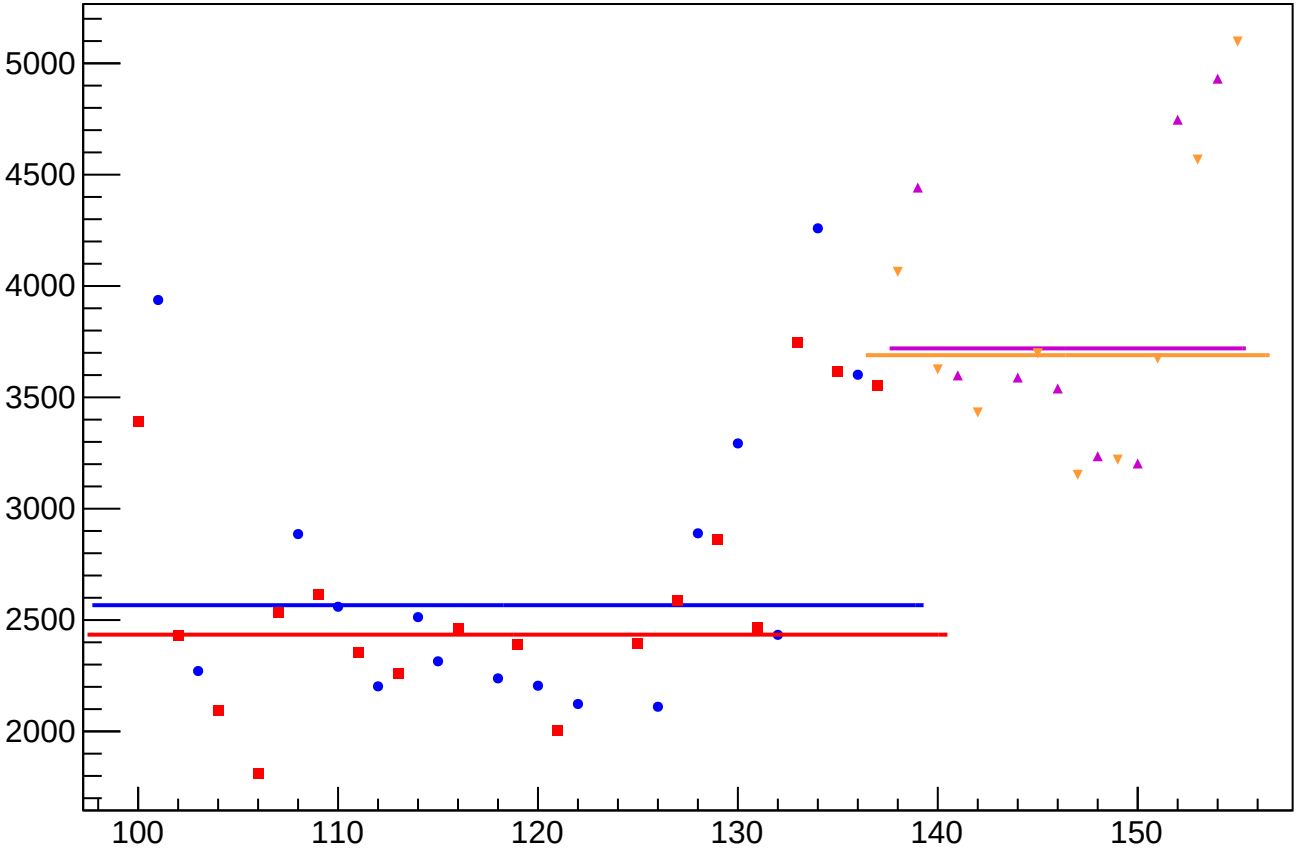
Left In: 484.861+/-1424.337 χ^2/NDF:3.9/7

+ sign -82.686+/-805.159 χ^2/NDF: 25.6/24

All: 24.228+/-558.013 χ^2/NDF: 46.9/50

- sign 123.043+/-774.060 χ^2/NDF: 21.2/25

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3689.518+/-0.999 χ^2/NDF:288232.2/8

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

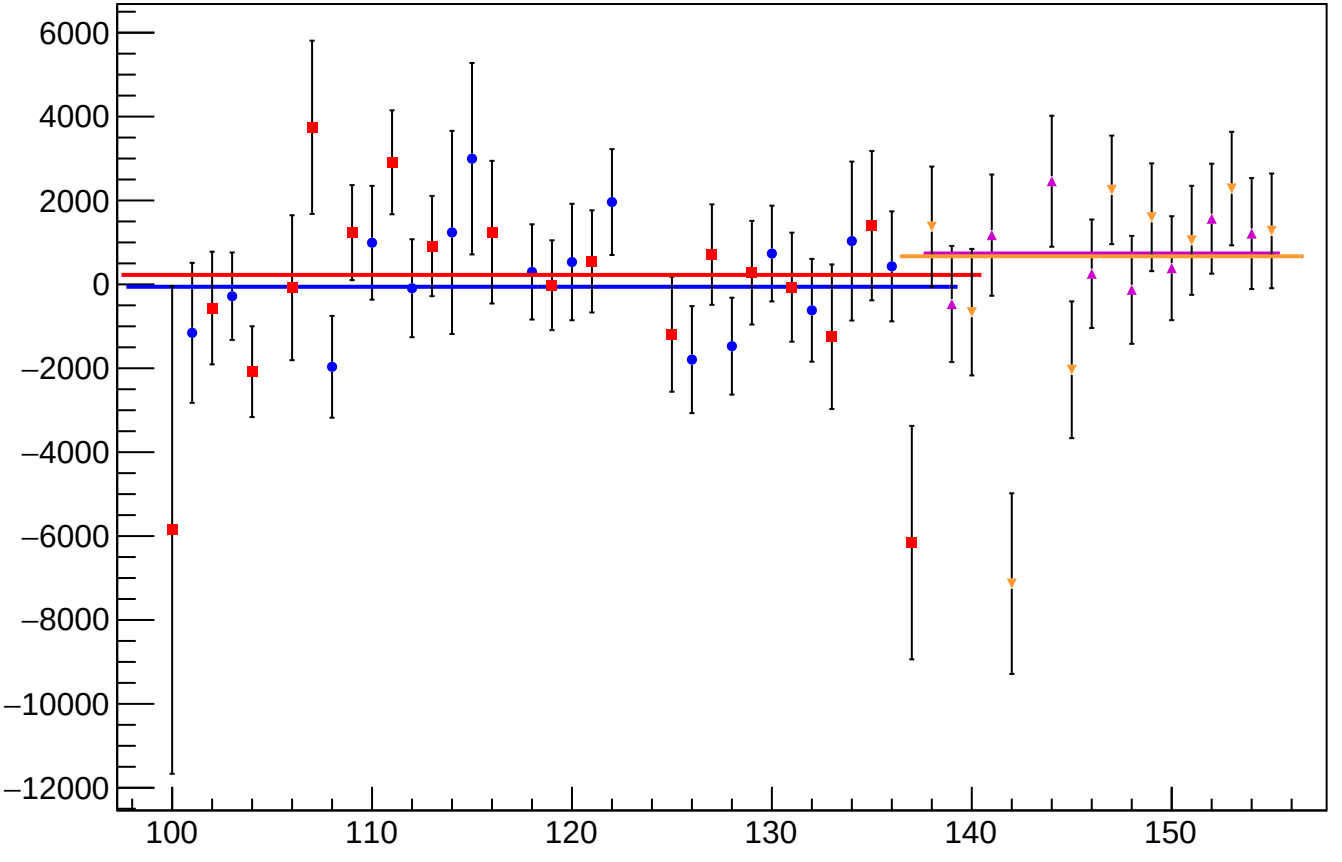
Left In: 3719.838+/-1.007 χ^2/NDF:324526.9/7

+ sign 2931.403+/-0.569 χ^2/NDF: 1807014.0/24

All: 2870.424+/-0.395 χ^2/NDF: 3735492.7/50

- sign 2814.064+/-0.547 χ^2/NDF: 1906403.9/25

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 669.577+/-476.927 χ^2/NDF:20.6/8

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

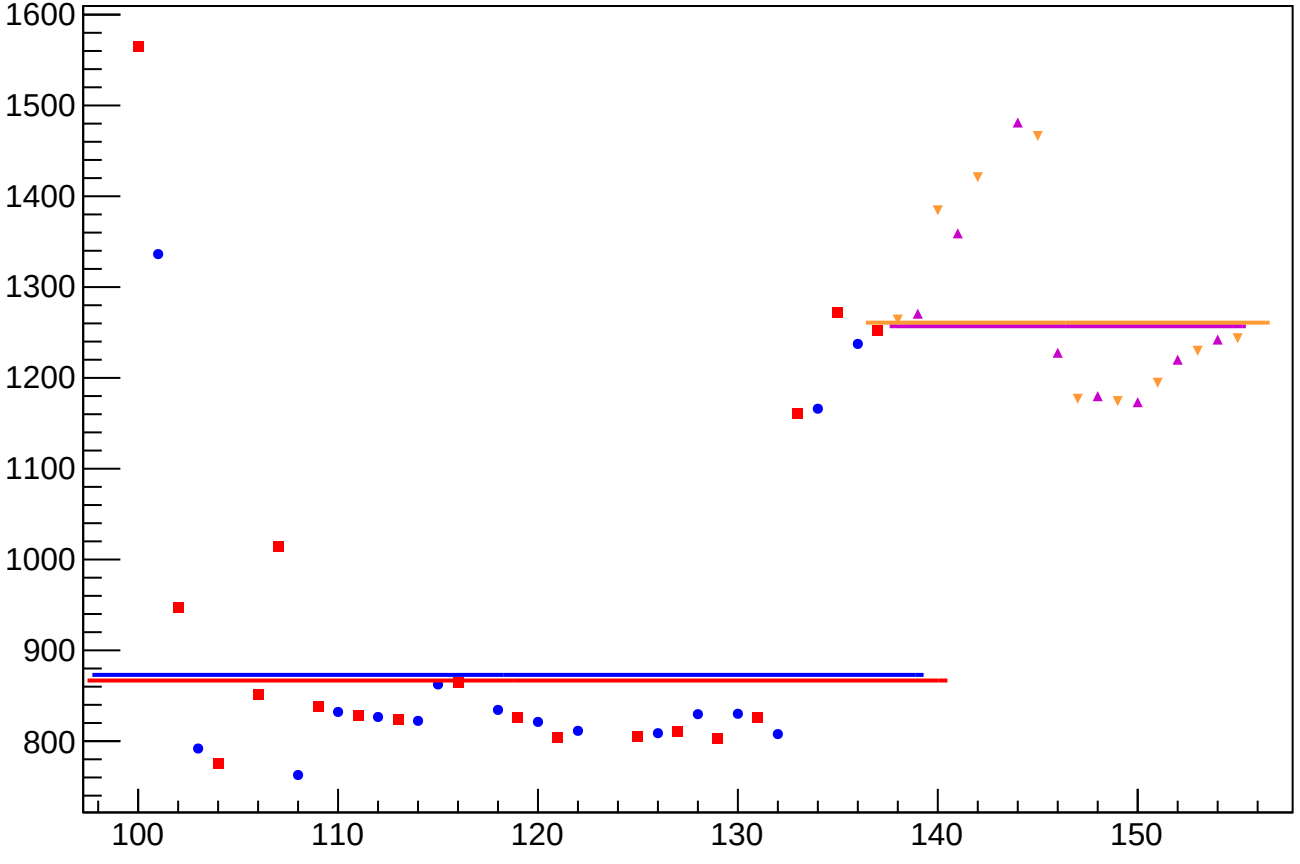
Left In: 736.524+/-475.744 χ^2/NDF:3.3/7

+ sign 178.182+/-271.420 χ^2/NDF: 35.2/24

All: 284.908+/-191.447 χ^2/NDF: 62.5/50

- sign 390.582+/-270.078 χ^2/NDF: 27.0/25

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1260.842+/-0.337 χ^2/NDF:80281.6/8

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

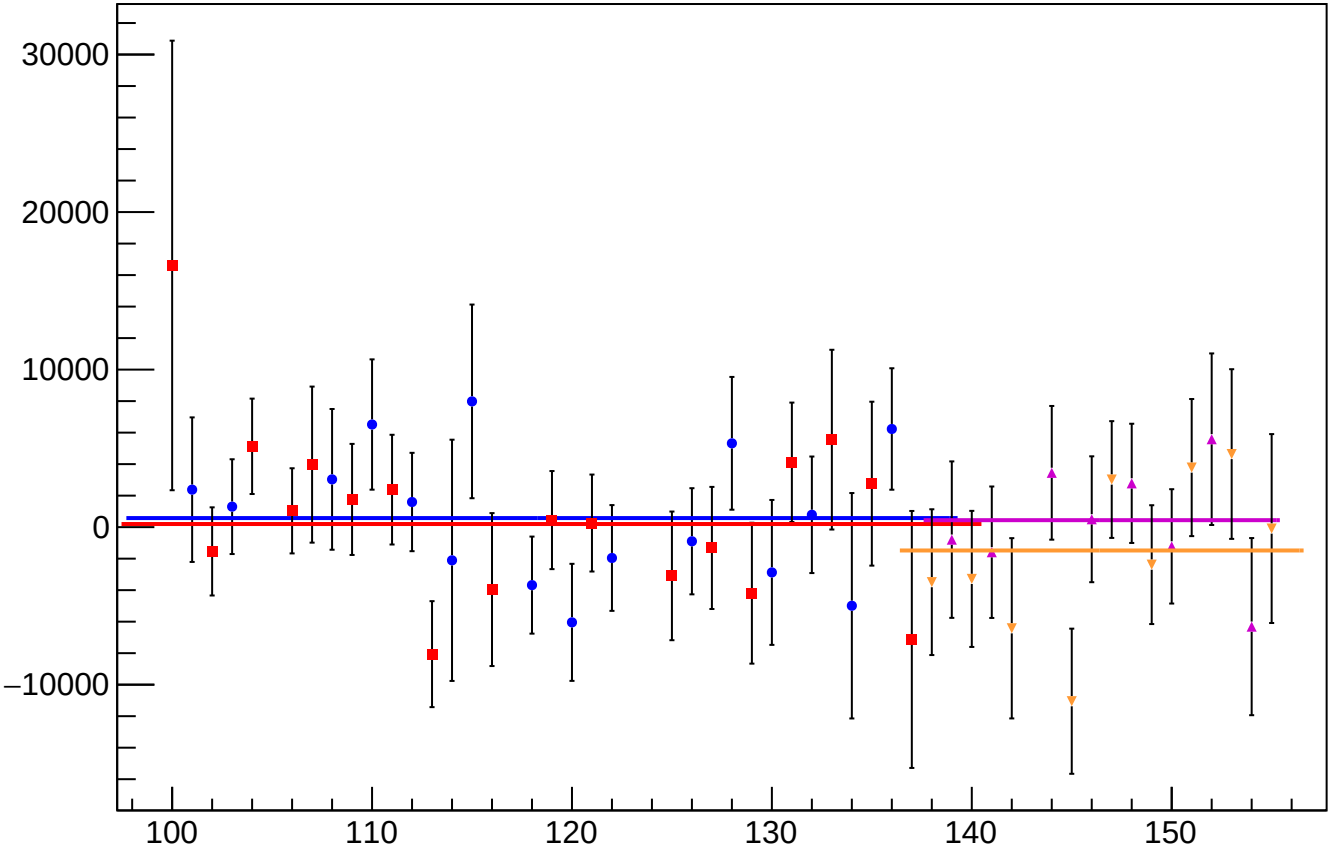
Left In: 1256.902+/-0.336 χ^2/NDF:70641.3/7

+ sign 998.594+/-0.192 χ^2/NDF: 1391768.1/24

All: 995.447+/-0.135 χ^2/NDF: 2665402.0/50

- sign 992.335+/-0.191 χ^2/NDF: 1273099.1/25

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -1481.531+/-1514.087 χ^2/NDF:9.8/8

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

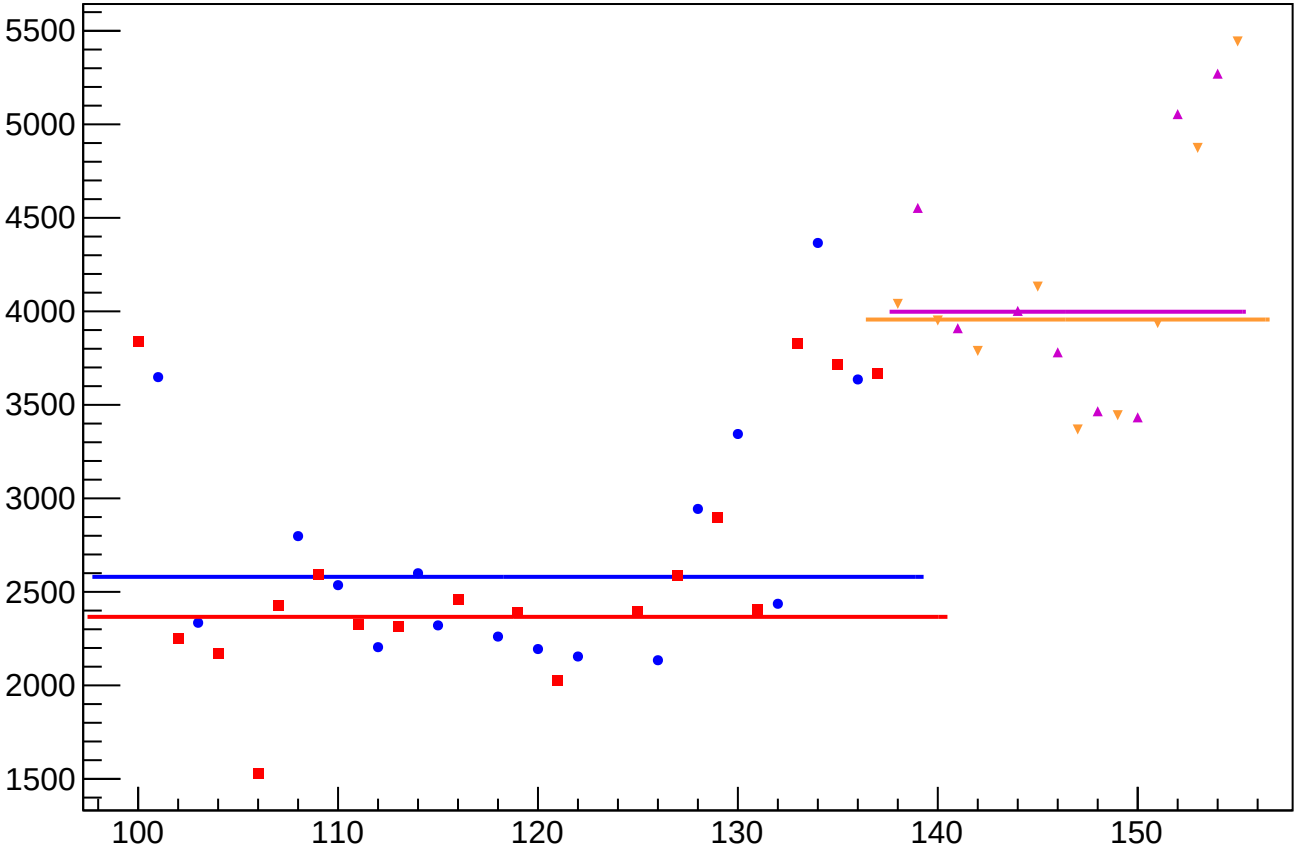
Left In: 442.422+/-1529.769 χ^2/NDF:3.7/7

+ sign -36.263+/-825.591 χ^2/NDF: 25.8/24

All: 121.916+/-563.856 χ^2/NDF: 46.7/50

- sign 260.203+/-771.937 χ^2/NDF: 20.9/25

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3956.264+/-1.071 χ^2/NDF:273588.2/8

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

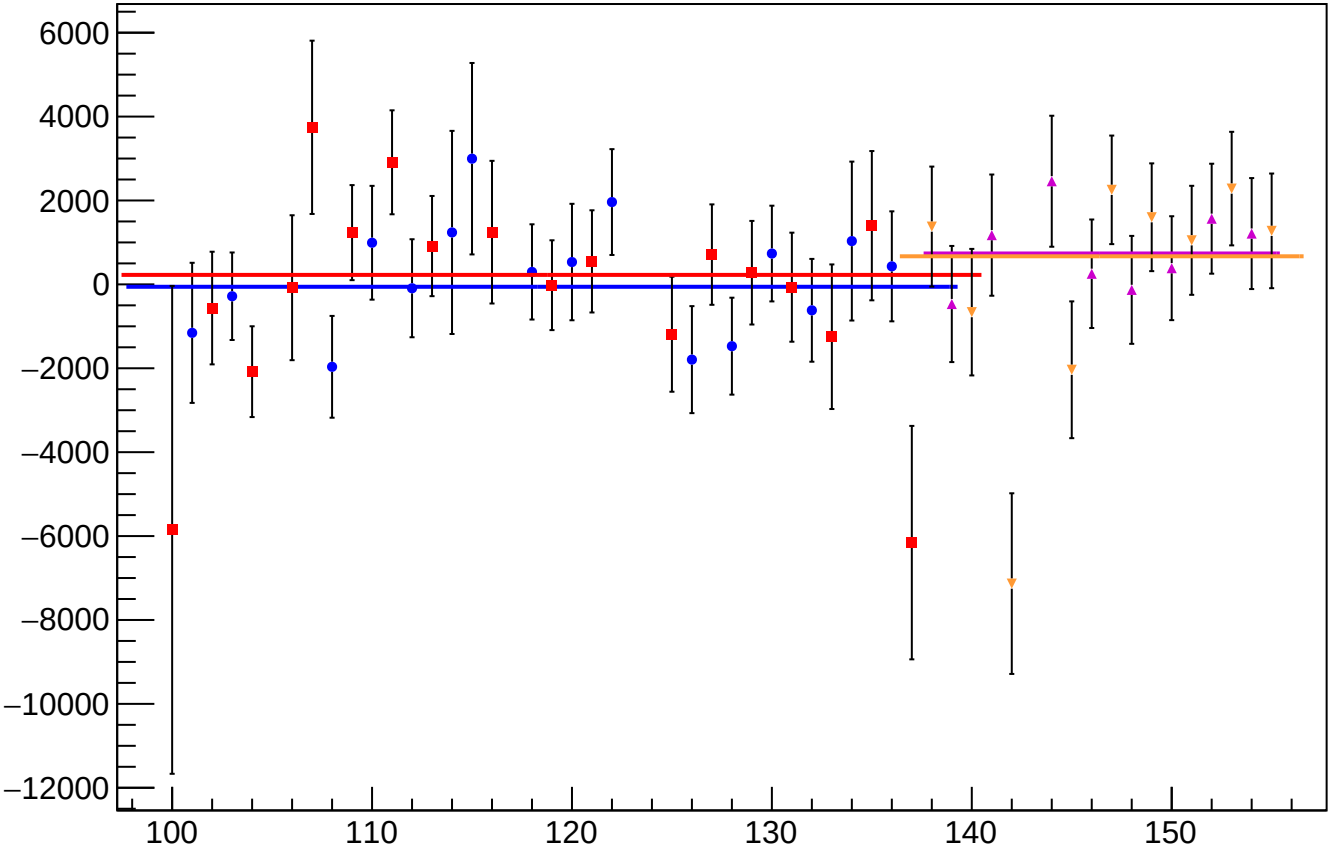
Left In: 3997.999+/-1.082 χ^2/NDF:297647.1/7

+ sign 2989.460+/-0.584 χ^2/NDF: 2051258.3/24

All: 2878.698+/-0.399 χ^2/NDF: 4723849.7/50

- sign 2781.866+/-0.546 χ^2/NDF: 2605122.6/25

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 669.570+/-476.927 χ^2/NDF:20.6/8

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

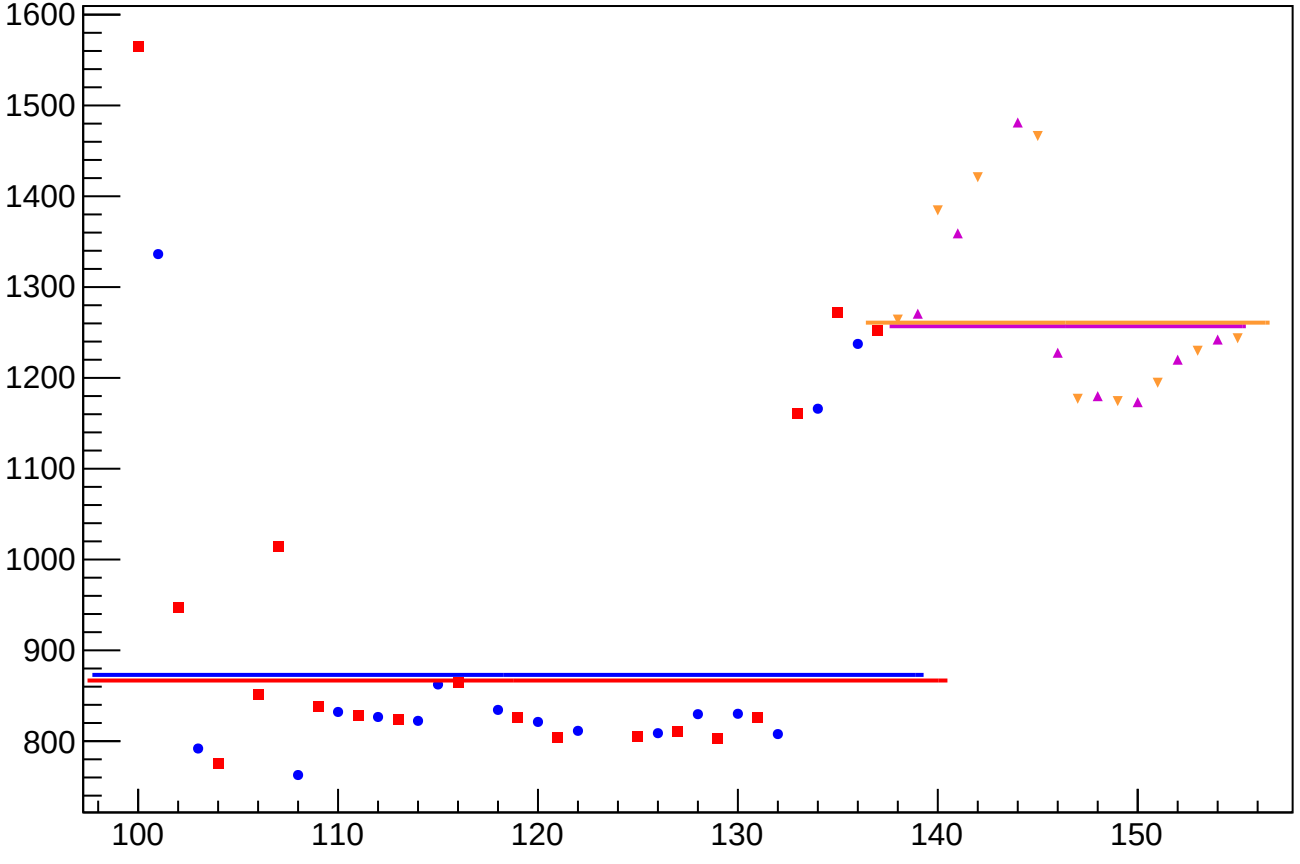
Left In: 736.523+/-475.744 χ^2/NDF:3.3/7

+ sign 178.177+/-271.420 χ^2/NDF: 35.2/24

All: 284.907+/-191.447 χ^2/NDF: 62.5/50

- sign 390.584+/-270.079 χ^2/NDF: 27.0/25

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1260.843+/-0.337 χ^2/NDF:80282.8/8

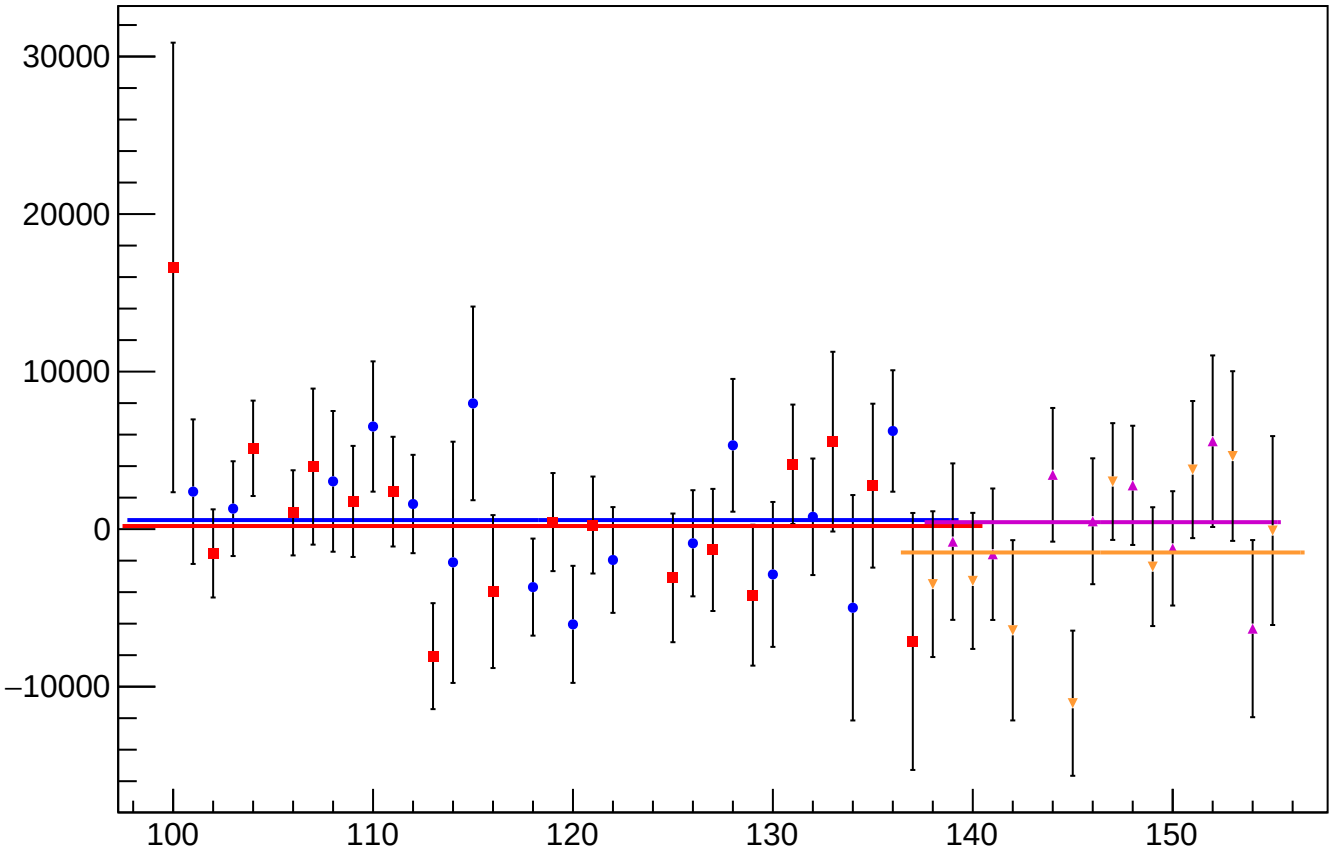
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1256.903+/-0.336 χ^2/NDF:70642.0/7

+ sign 998.594+/-0.192 χ^2/NDF: 1391772.7/24

All: 995.447+/-0.135 χ^2/NDF: 2665411.5/50

- sign 992.335+/-0.191 χ^2/NDF: 1273103.9/25



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -1481.533+/-1514.089 χ^2/NDF:9.8/8

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

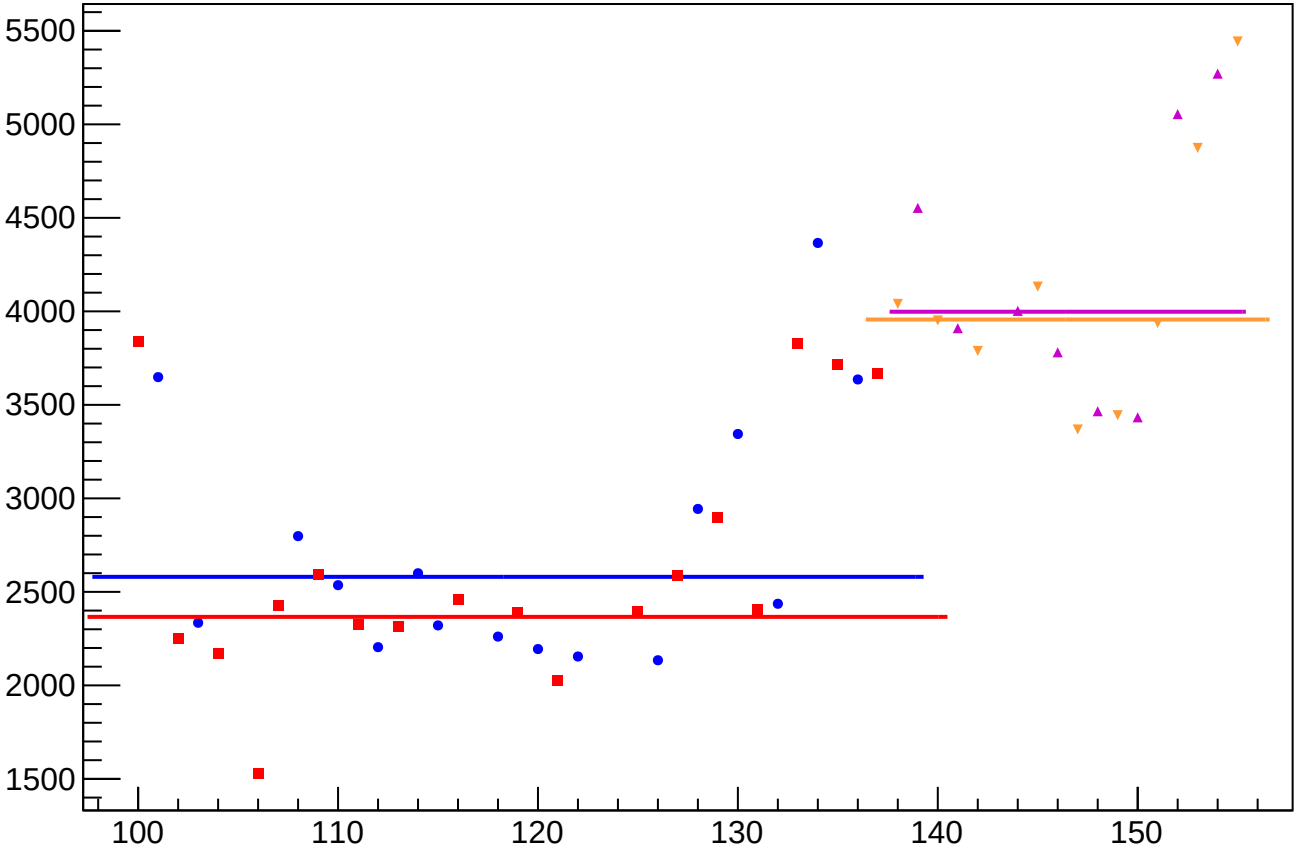
Left In: 442.422+/-1529.771 χ^2/NDF:3.7/7

+ sign -36.263+/-825.589 χ^2/NDF: 25.8/24

All: 121.916+/-563.855 χ^2/NDF: 46.7/50

- sign 260.204+/-771.936 χ^2/NDF: 20.9/25

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3956.270+/-1.071 χ^2/NDF:273590.7/8

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

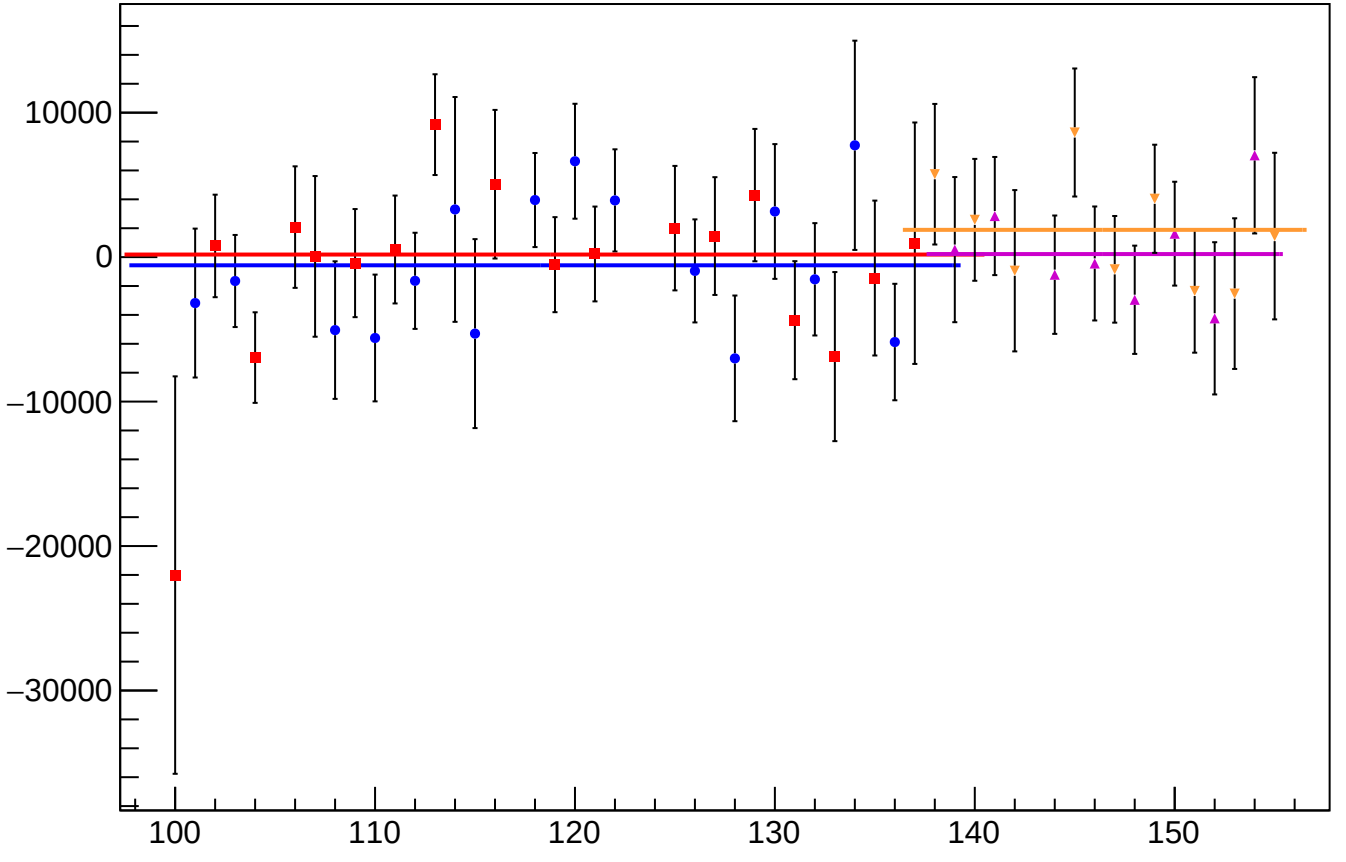
Left In: 3998.004+/-1.082 χ^2/NDF:297650.3/7

+ sign 2989.453+/-0.584 χ^2/NDF: 2051290.8/24

All: 2878.692+/-0.399 χ^2/NDF: 4723912.0/50

- sign 2781.859+/-0.546 χ^2/NDF: 2605152.5/25

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 1887.688+/-1494.261 χ^2/NDF:5.8/8

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

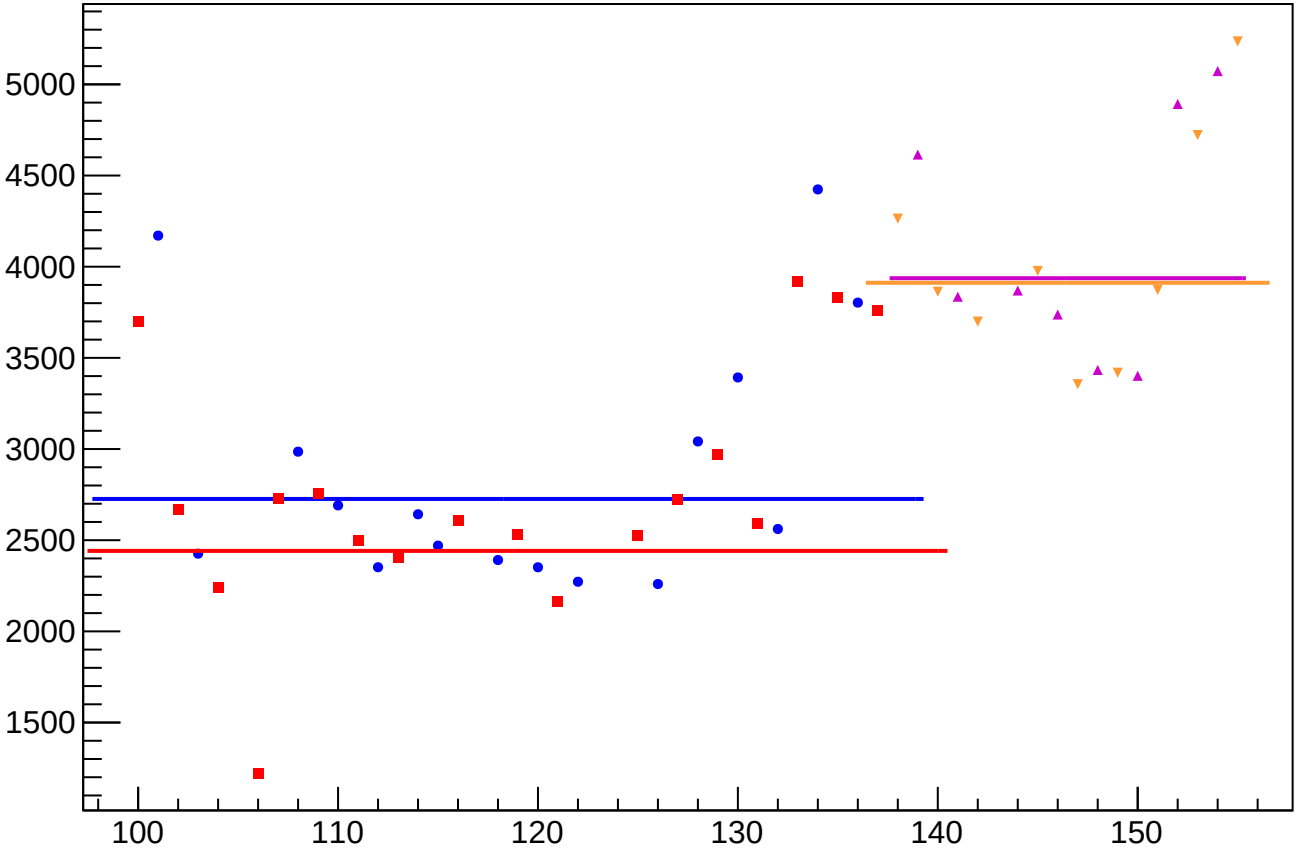
Left In: 211.362+/-1504.068 χ^2/NDF:3.7/7

+ sign 234.978+/-853.777 χ^2/NDF: 23.8/24

All: 210.956+/-593.649 χ^2/NDF: 47.1/50

- sign 188.472+/-826.004 χ^2/NDF: 23.3/25

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3911.858+/-1.057 χ^2/NDF:248096.5/8

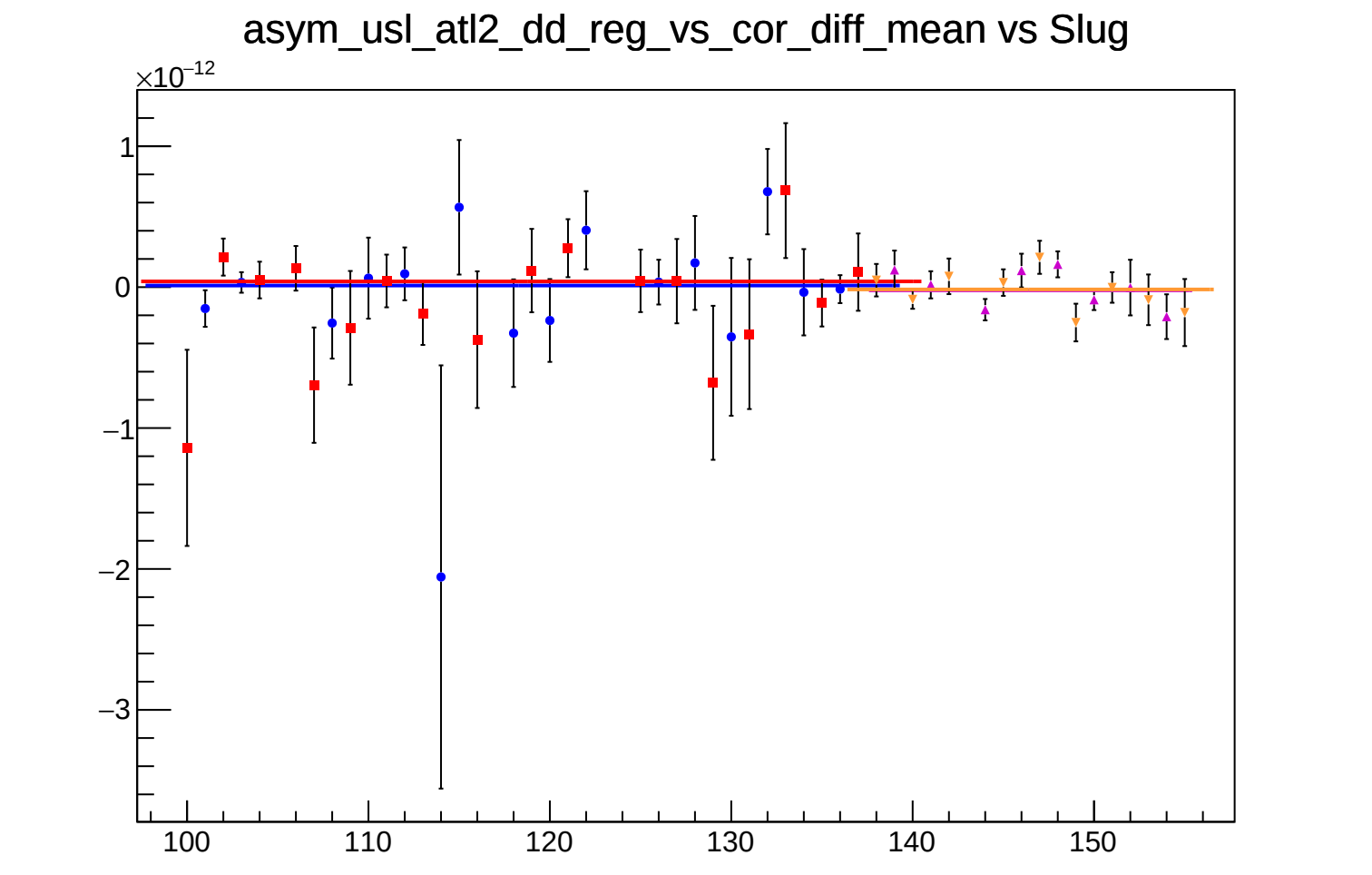
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3936.878+/-1.064 χ^2/NDF:277670.3/7

+ sign 3113.296+/-0.604 χ^2/NDF: 1719251.1/24

All: 2980.129+/-0.413 χ^2/NDF: 4398542.4/50

- sign 2863.478+/-0.565 χ^2/NDF: 2588014.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/8

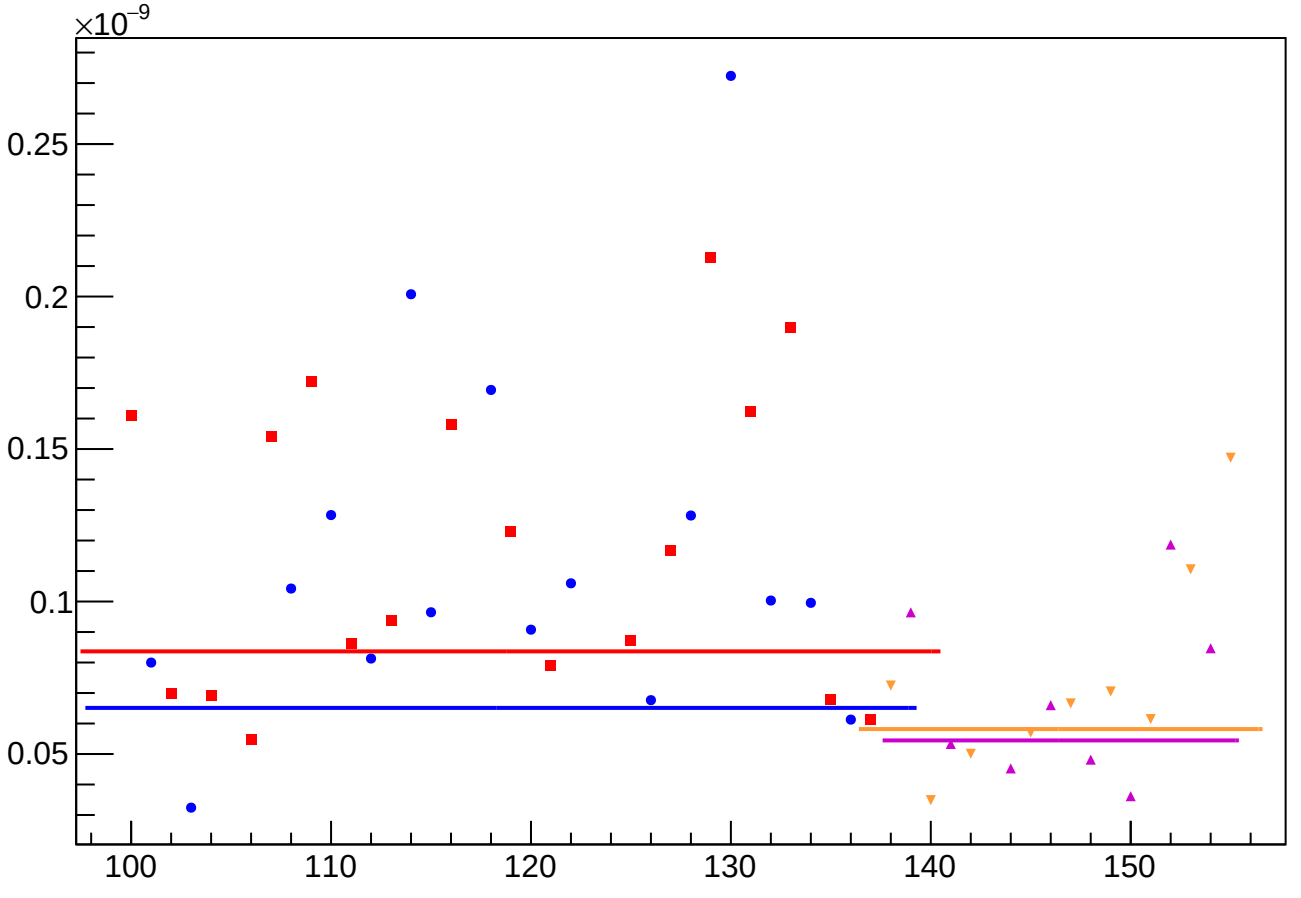
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:12.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 25.4/24

All: -0.000+/-0.000 χ^2/NDF: 55.5/50

- sign -0.000+/-0.000 χ^2/NDF: 30.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:760443.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

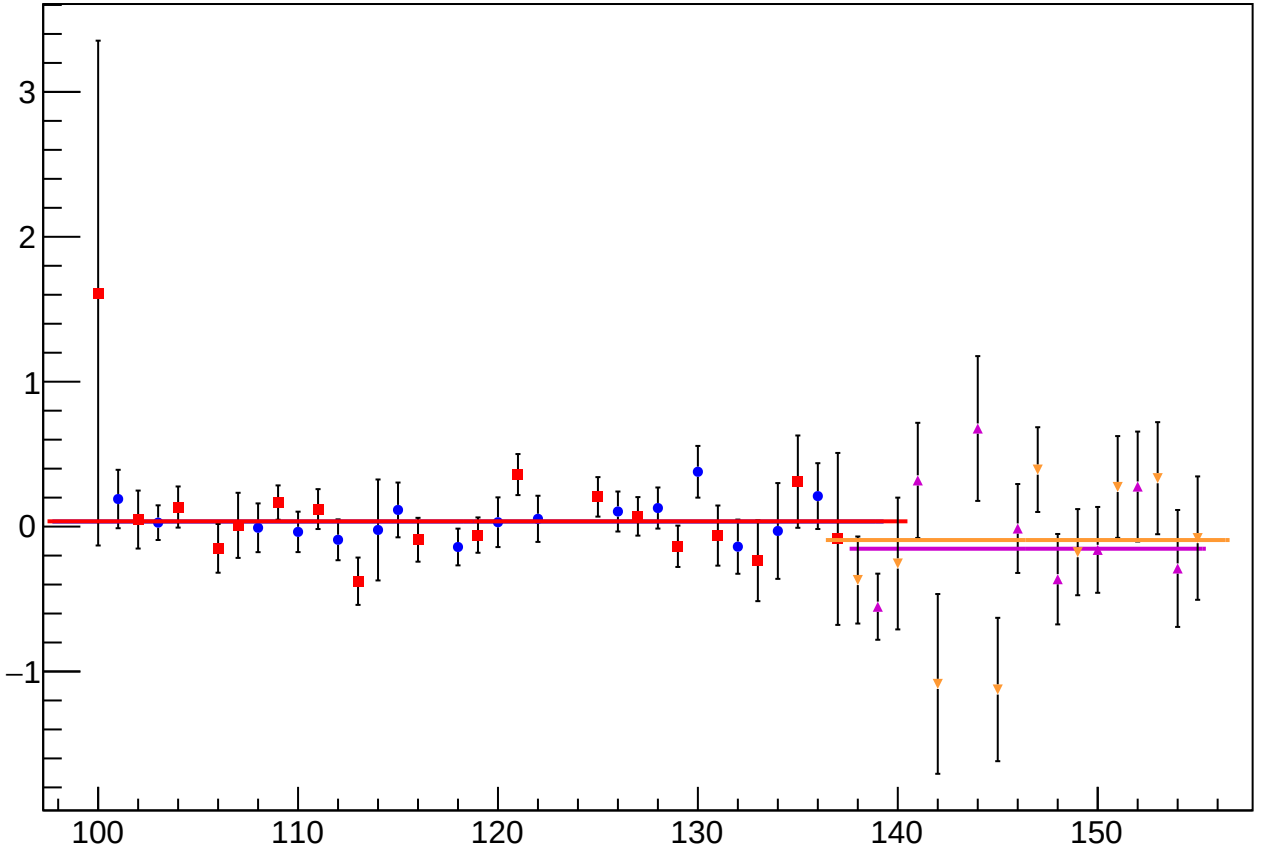
Left In: 0.000+/-0.000 χ^2/NDF:653578.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 2012282.0/24

All: 0.000+/-0.000 χ^2/NDF: 3777202.3/50

- sign 0.000+/-0.000 χ^2/NDF: 1757292.2/25

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: -0.093+/-0.123 χ^2/NDF:13.0/8

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

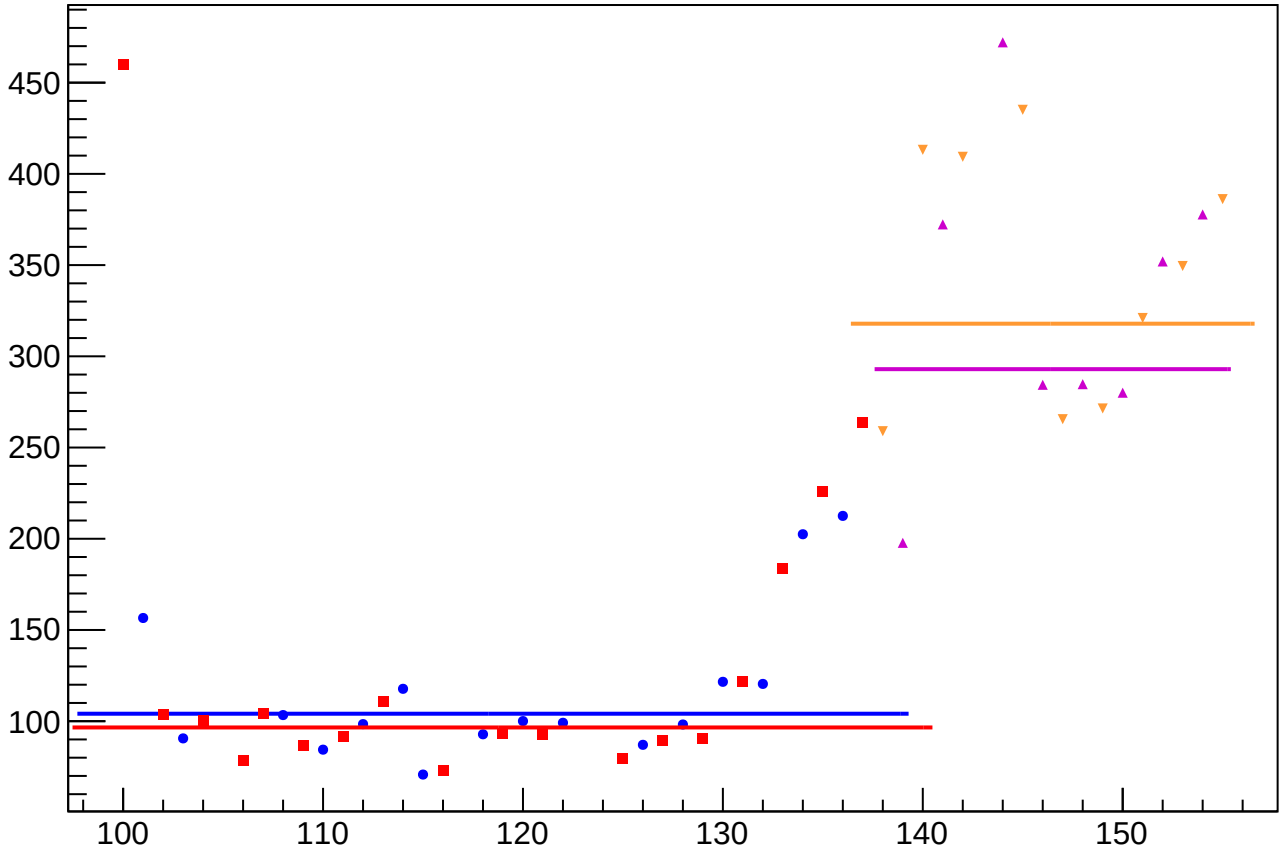
Left In: -0.153+/-0.116 χ^2/NDF:9.3/7

+ sign 0.022+/-0.039 χ^2/NDF: 23.8/24

All: 0.020+/-0.027 χ^2/NDF: 57.5/50

- sign 0.017+/-0.037 χ^2/NDF: 33.8/25

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: 317.879+/-0.087 χ^2/NDF:498466.2/8

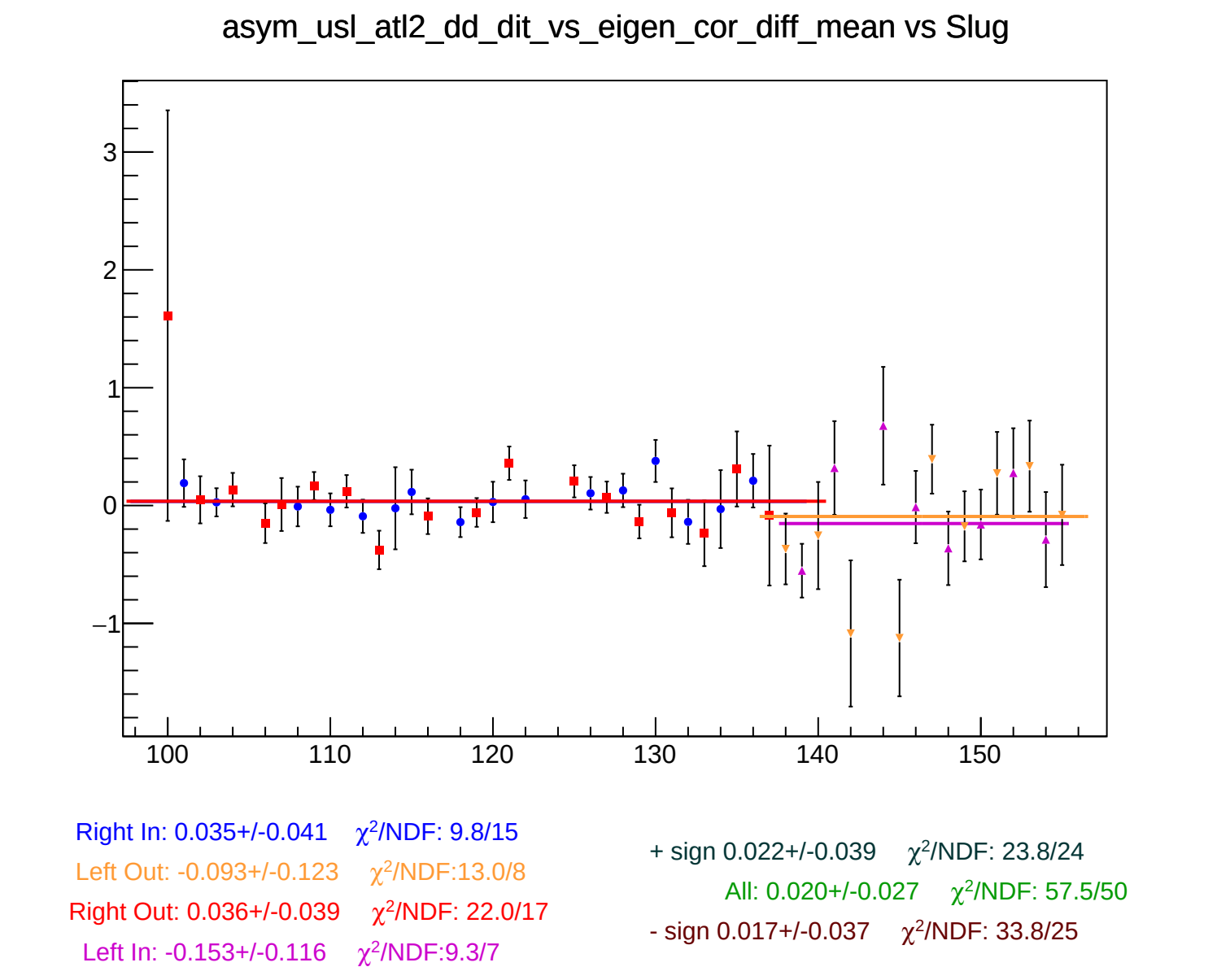
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 292.959+/-0.082 χ^2/NDF:828633.1/7

+ sign 125.453+/-0.028 χ^2/NDF: 6911442.2/24

All: 120.769+/-0.019 χ^2/NDF: 13941854.1/50

- sign 116.569+/-0.026 χ^2/NDF: 6975497.6/25


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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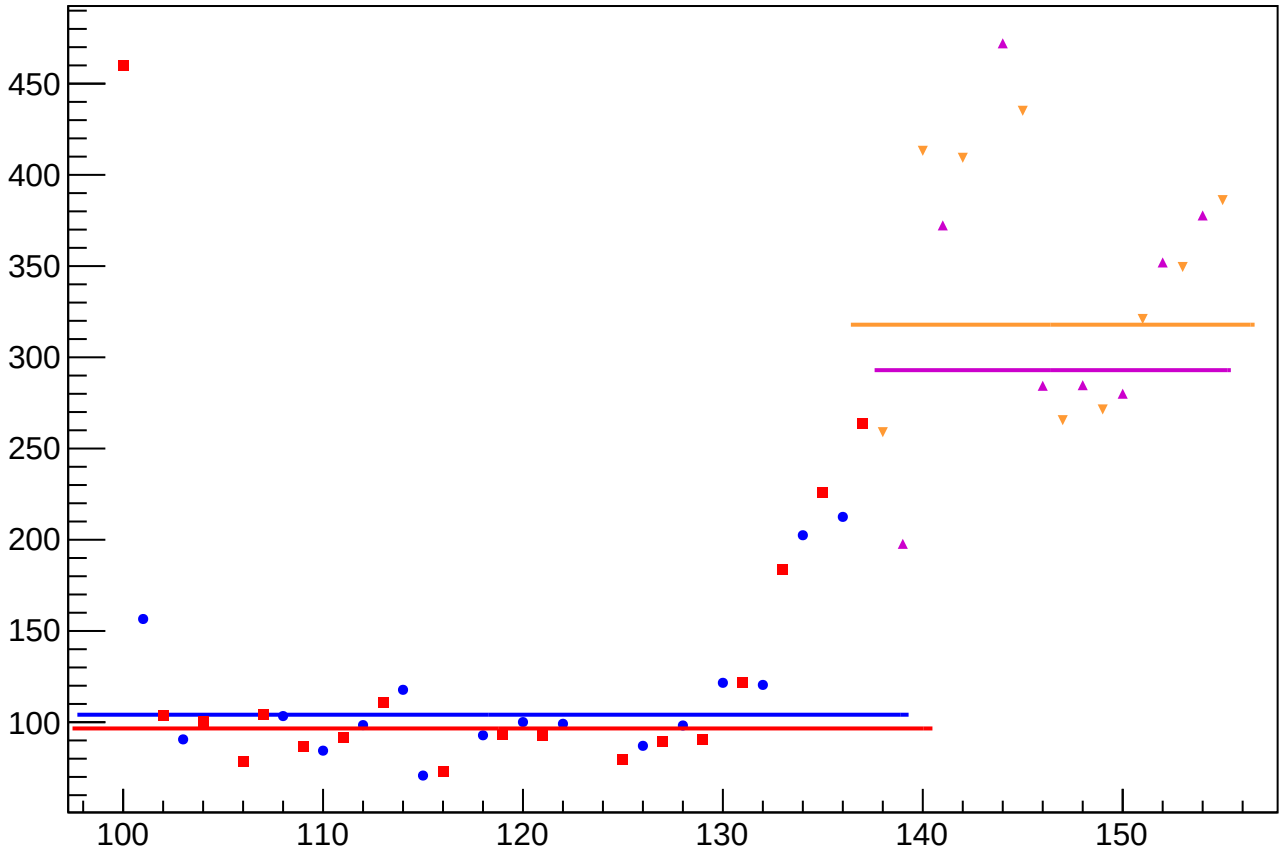
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.093+/-0.123 χ²/NDF:13.0/8
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.153+/-0.116 χ²/NDF:9.3/7
+ sign 0.022+/-0.039 χ²/NDF: 23.8/24
All: 0.020+/-0.027 χ²/NDF: 57.5/50
- sign 0.017+/-0.037 χ²/NDF: 33.8/25



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 317.879+/-0.087 χ^2/NDF:498466.2/8

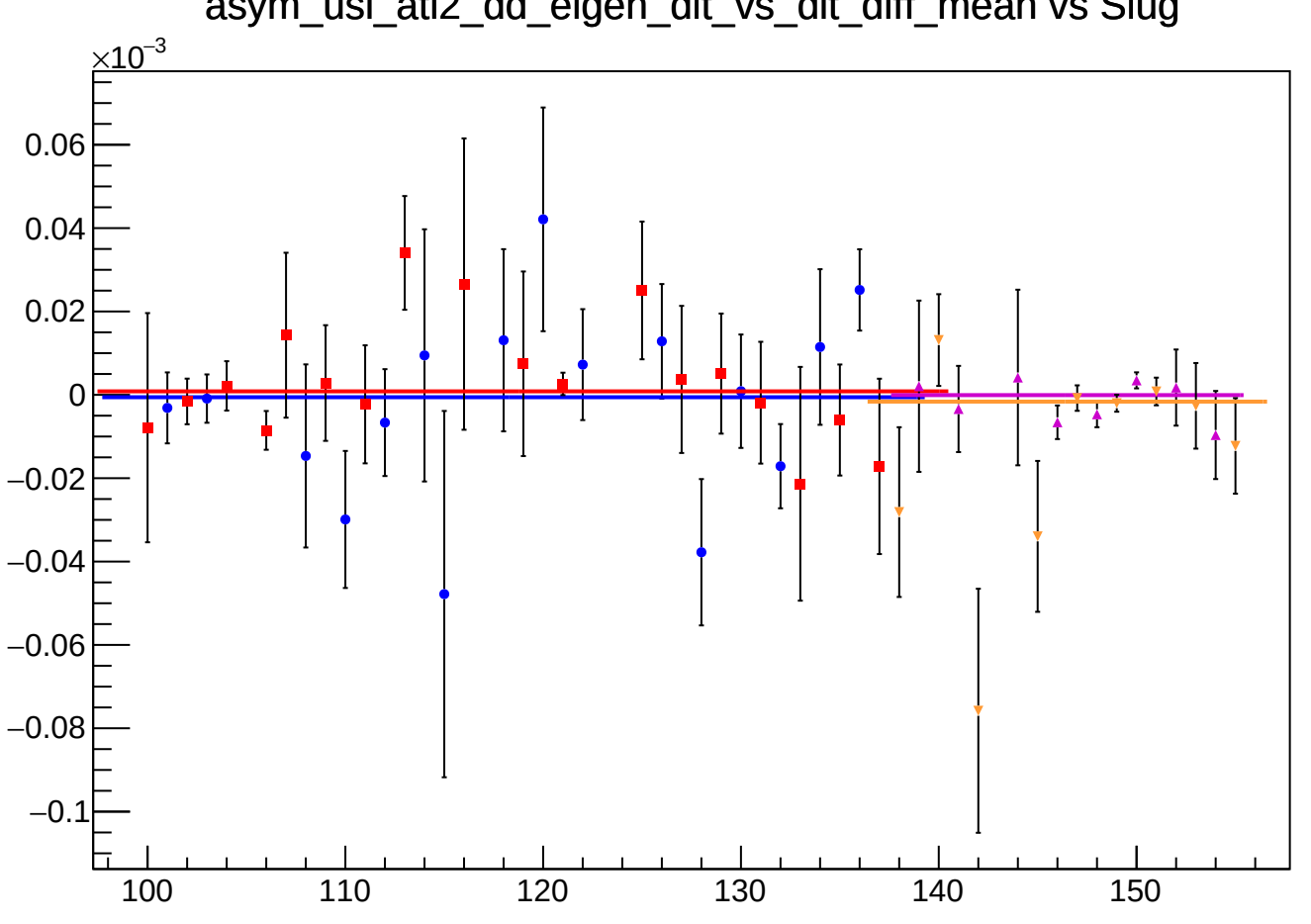
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 292.959+/-0.082 χ^2/NDF:828633.1/7

+ sign 125.453+/-0.028 χ^2/NDF: 6911442.2/24

All: 120.769+/-0.019 χ^2/NDF: 13941854.1/50

- sign 116.569+/-0.026 χ^2/NDF: 6975497.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/8

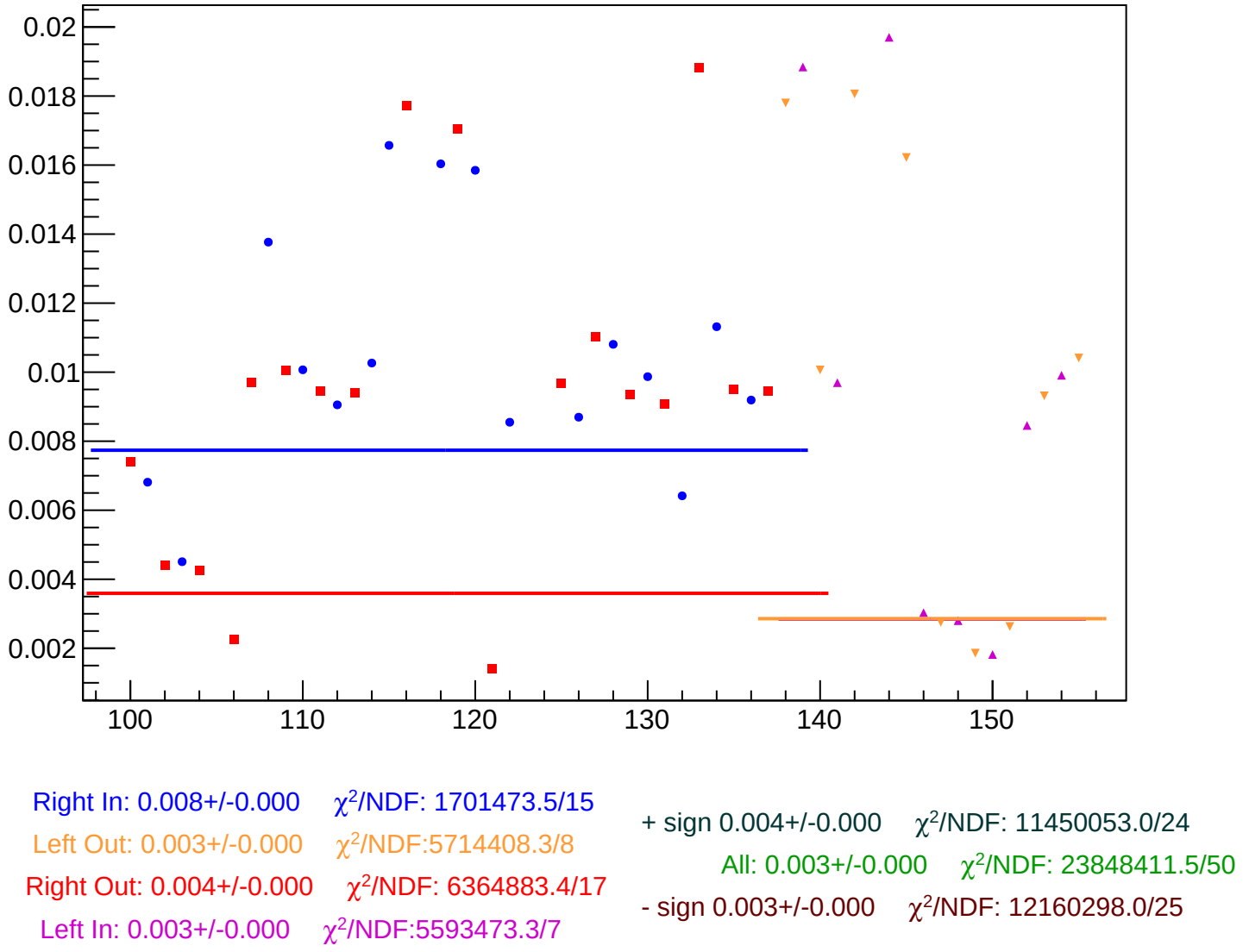
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:9.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 38.7/24

All: -0.000+/-0.000 χ^2/NDF: 64.9/50

- sign 0.000+/-0.000 χ^2/NDF: 25.2/25


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
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0.014
0.012
0.01
0.008
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0.002
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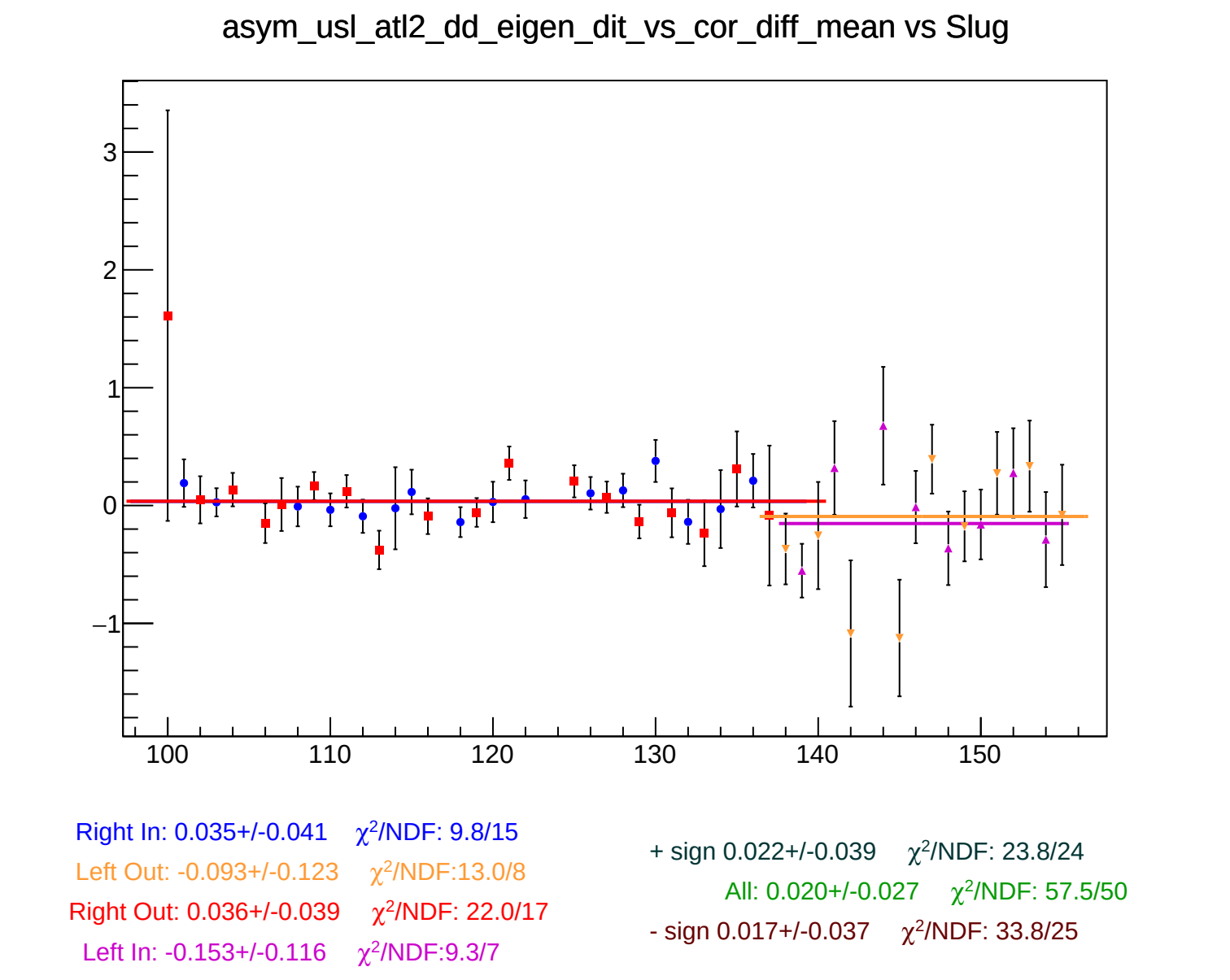
Right In: 0.008+/-0.000 χ²/NDF: 1701473.5/15
Left Out: 0.003+/-0.000 χ²/NDF:5714408.3/8
Right Out: 0.004+/-0.000 χ²/NDF: 6364883.4/17
Left In: 0.003+/-0.000 χ²/NDF:5593473.3/7
+ sign 0.004+/-0.000 χ²/NDF: 11450053.0/24
All: 0.003+/-0.000 χ²/NDF: 23848411.5/50
- sign 0.003+/-0.000 χ²/NDF: 12160298.0/25


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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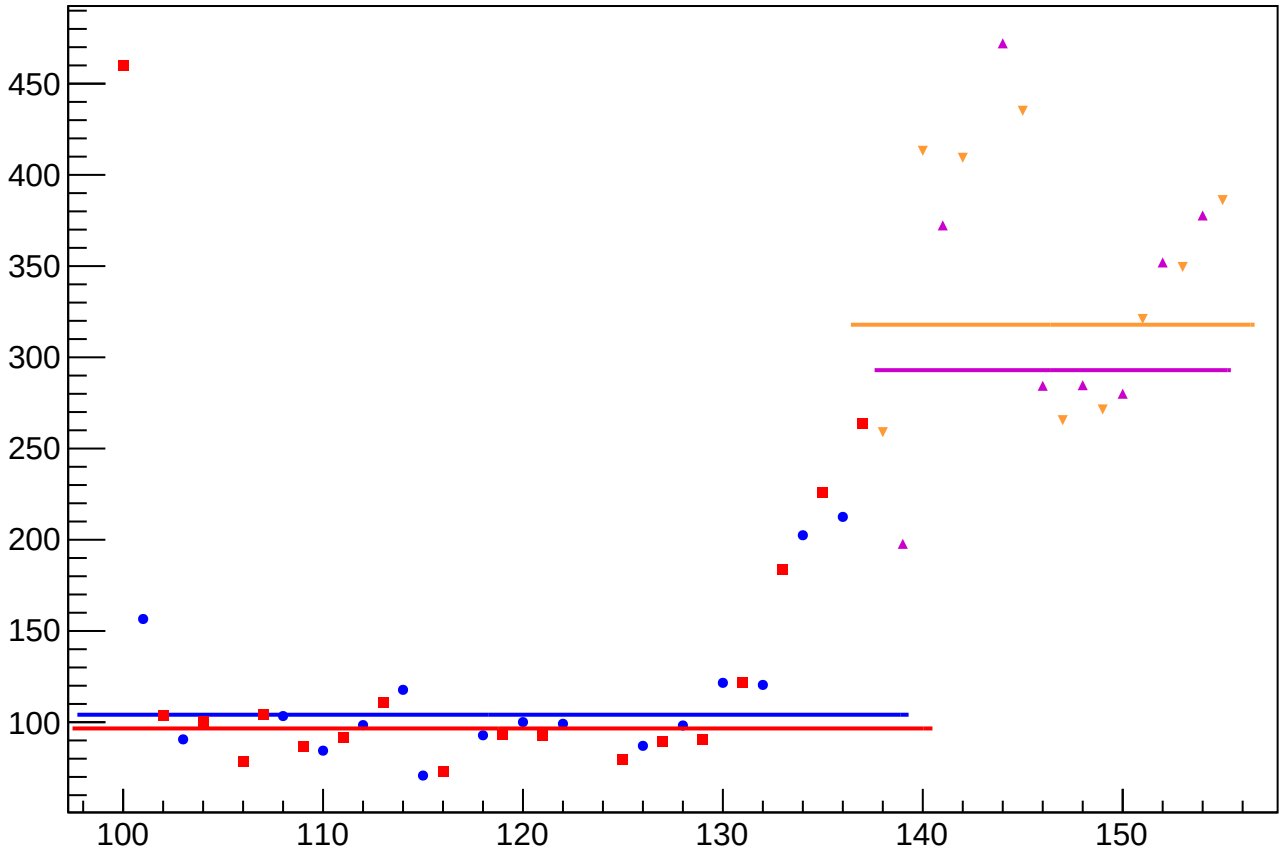
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.093+/-0.123 χ²/NDF:13.0/8
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.153+/-0.116 χ²/NDF:9.3/7
+ sign 0.022+/-0.039 χ²/NDF: 23.8/24
All: 0.020+/-0.027 χ²/NDF: 57.5/50
- sign 0.017+/-0.037 χ²/NDF: 33.8/25



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 317.882+/-0.087 χ^2/NDF:498507.6/8

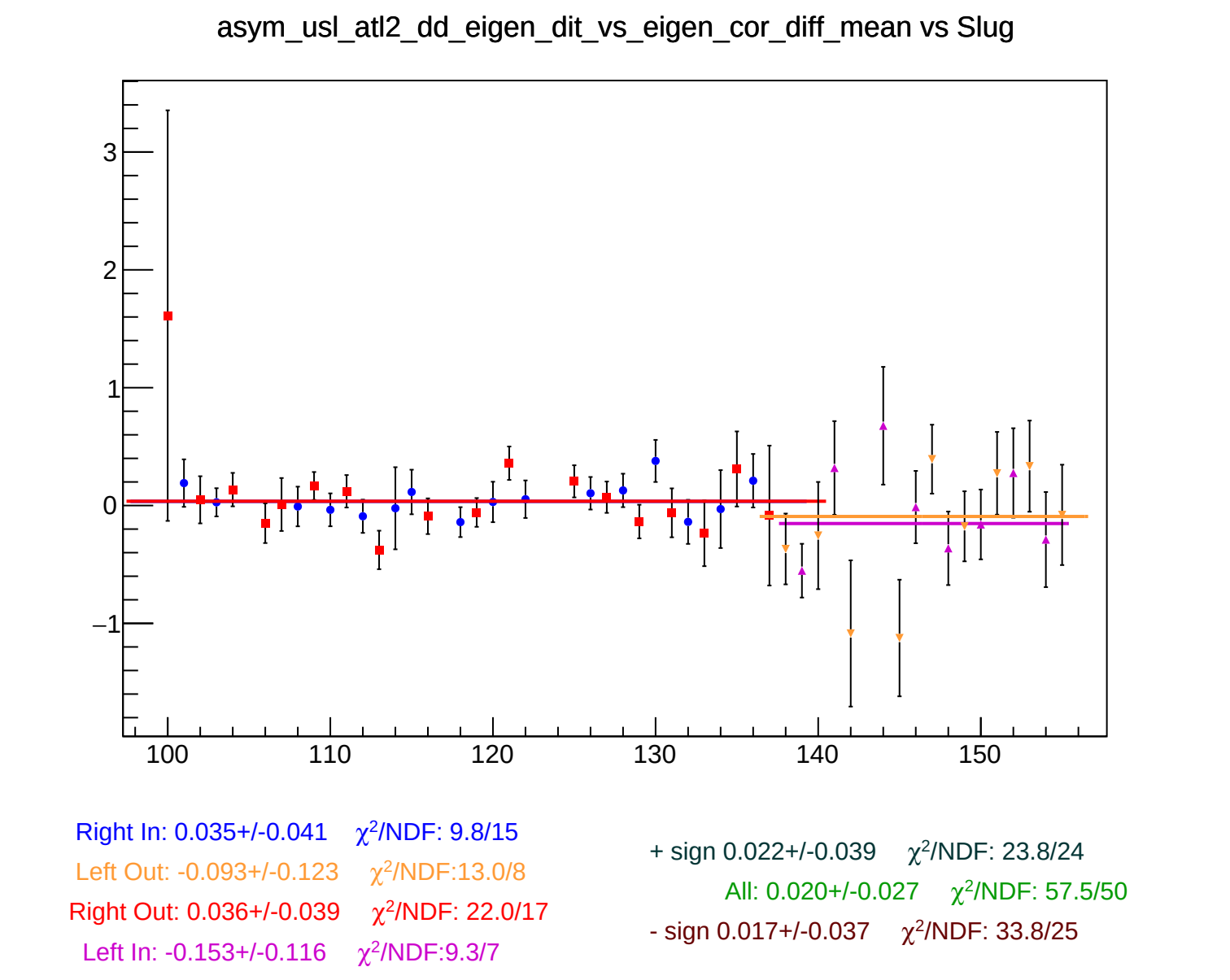
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 292.963+/-0.082 χ^2/NDF:828616.3/7

+ sign 125.454+/-0.028 χ^2/NDF: 6911420.9/24

All: 120.770+/-0.019 χ^2/NDF: 13941749.9/50

- sign 116.570+/-0.026 χ^2/NDF: 6975422.1/25


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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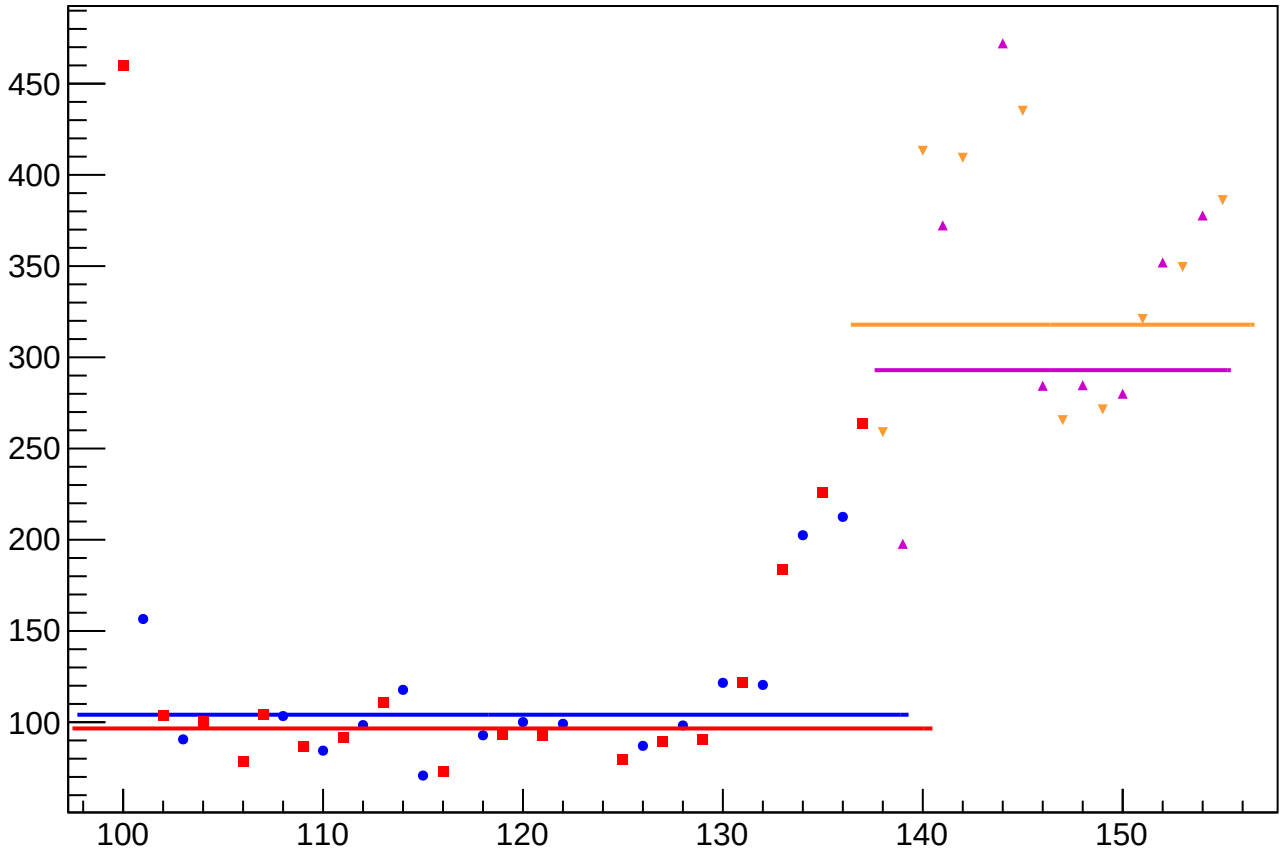
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.093+/-0.123 χ²/NDF:13.0/8
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.153+/-0.116 χ²/NDF:9.3/7
+ sign 0.022+/-0.039 χ²/NDF: 23.8/24
All: 0.020+/-0.027 χ²/NDF: 57.5/50
- sign 0.017+/-0.037 χ²/NDF: 33.8/25



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 317.882+/-0.087 χ^2/NDF:498507.6/8

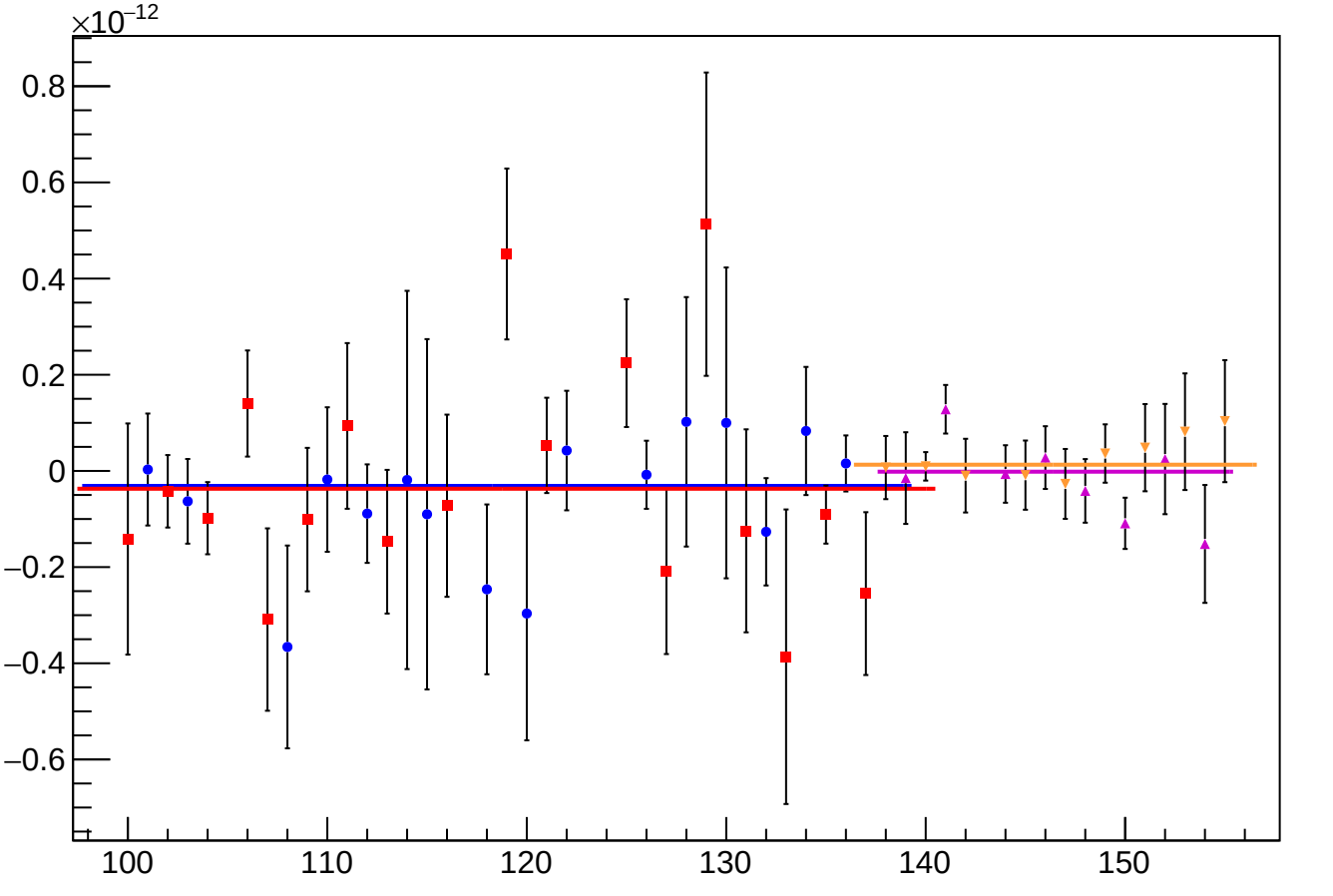
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 292.963+/-0.082 χ^2/NDF:828616.3/7

+ sign 125.454+/-0.028 χ^2/NDF: 6911420.9/24

All: 120.770+/-0.019 χ^2/NDF: 13941749.9/50

- sign 116.570+/-0.026 χ^2/NDF: 6975422.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/8

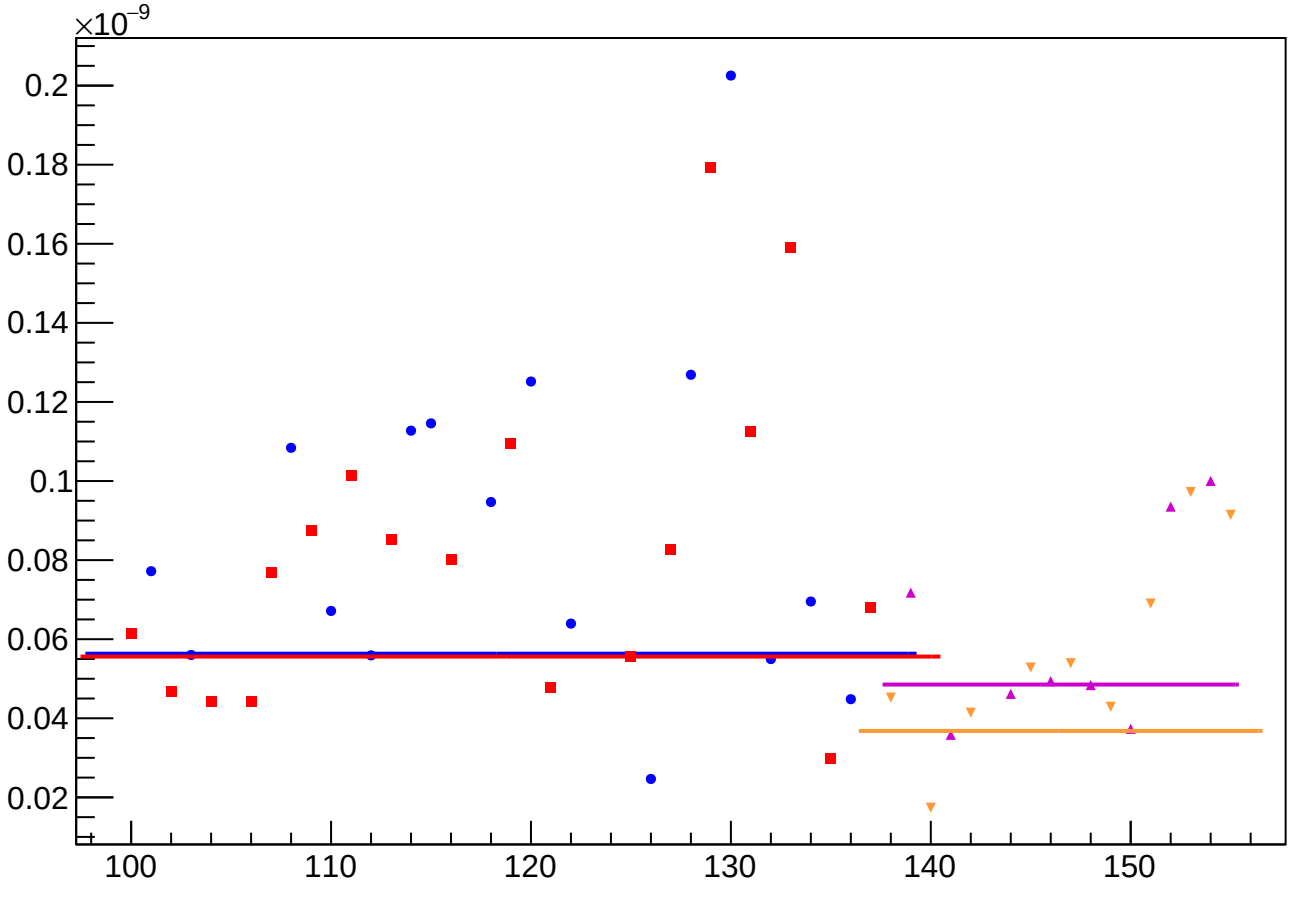
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:12.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 11.7/24

All: -0.000+/-0.000 χ^2/NDF: 52.9/50

- sign -0.000+/-0.000 χ^2/NDF: 40.8/25



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2252028.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

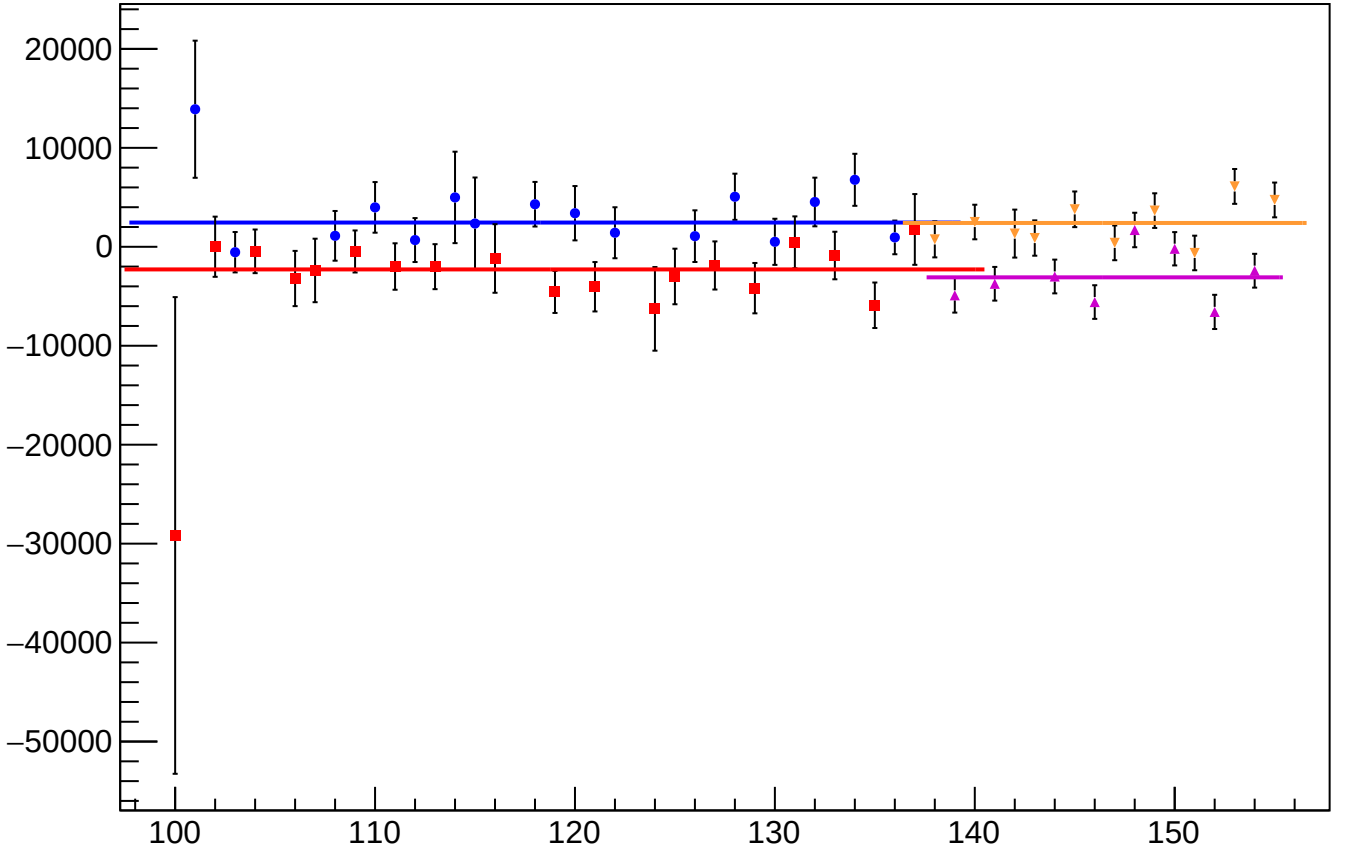
Left In: 0.000+/-0.000 χ^2/NDF:998226.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 4429591.6/24

All: 0.000+/-0.000 χ^2/NDF: 7495801.5/50

- sign 0.000+/-0.000 χ^2/NDF: 2837150.7/25

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2408.336+/-572.929 χ^2/NDF:13.3/9

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

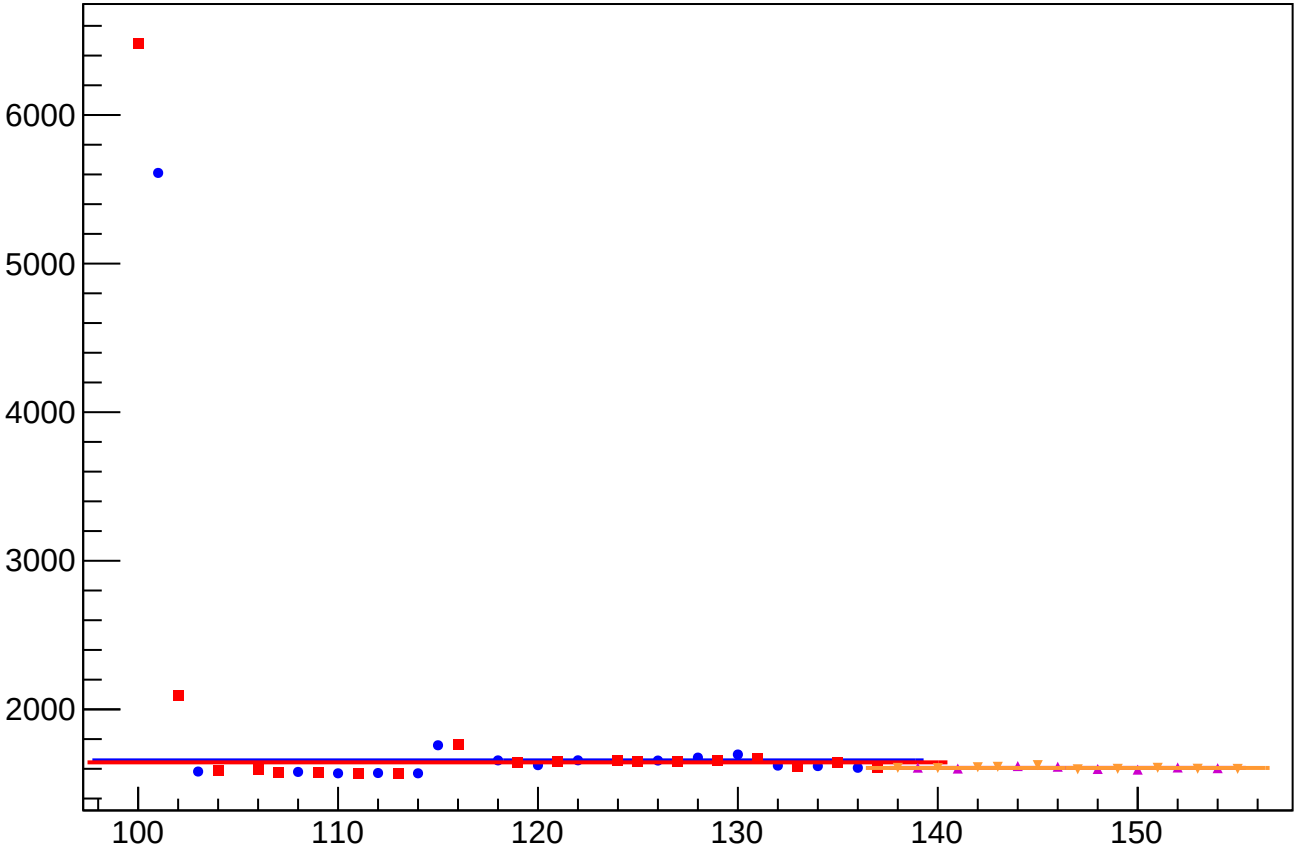
Left In: -3087.076+/-606.158 χ^2/NDF:18.1/7

+ sign 2427.168+/-423.937 χ^2/NDF: 27.2/25

All: -96.427+/-301.777 χ^2/NDF: 129.8/52

- sign -2688.799+/-429.675 χ^2/NDF: 30.8/26

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1605.827+/-0.405 χ^2/NDF:384.6/9

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

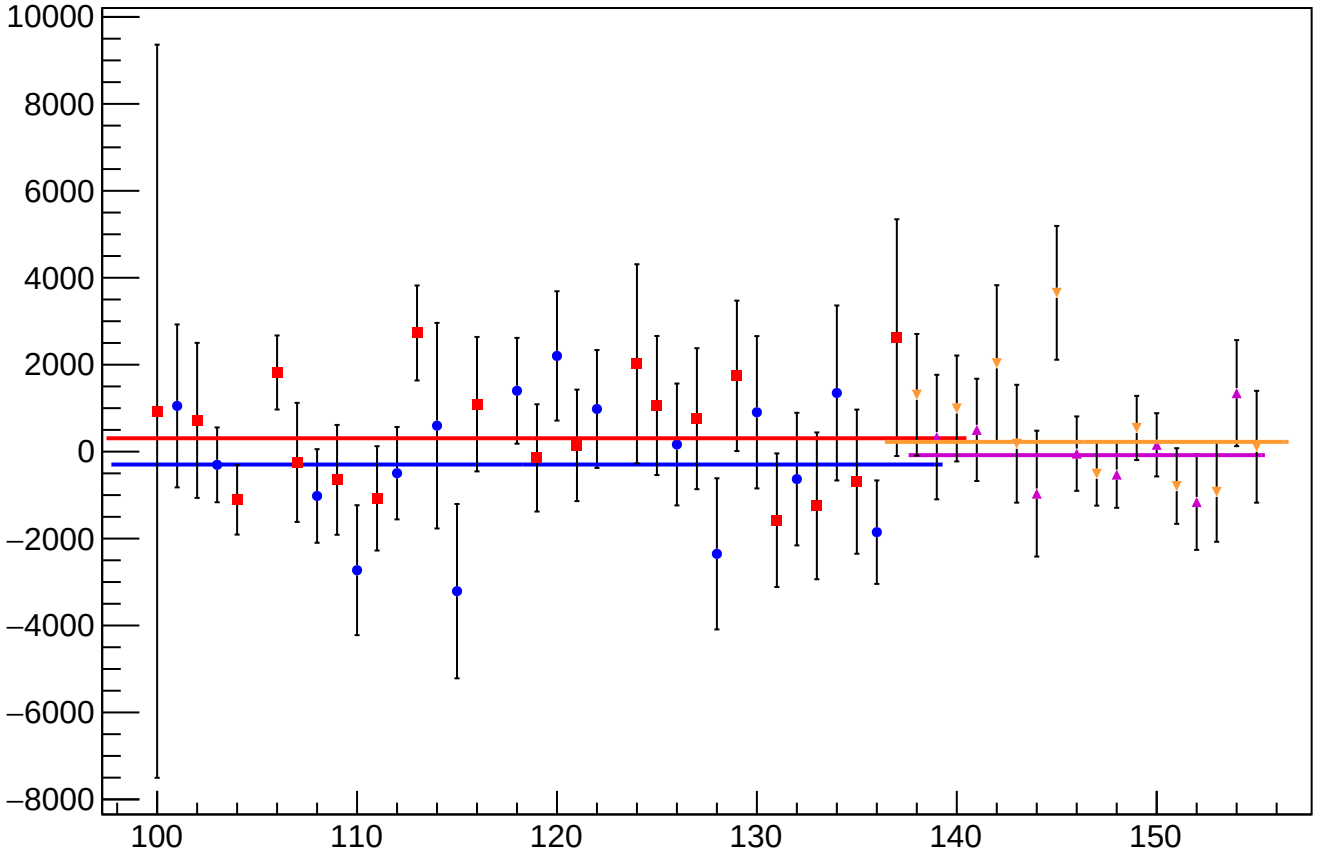
Left In: 1606.179+/-0.429 χ^2/NDF:303.9/7

+ sign 1628.838+/-0.300 χ^2/NDF: 673741.2/25

All: 1626.803+/-0.213 χ^2/NDF: 814894.4/52

- sign 1624.713+/-0.304 χ^2/NDF: 141059.7/26

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 224.507+/-336.428 χ^2/NDF:10.5/9

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

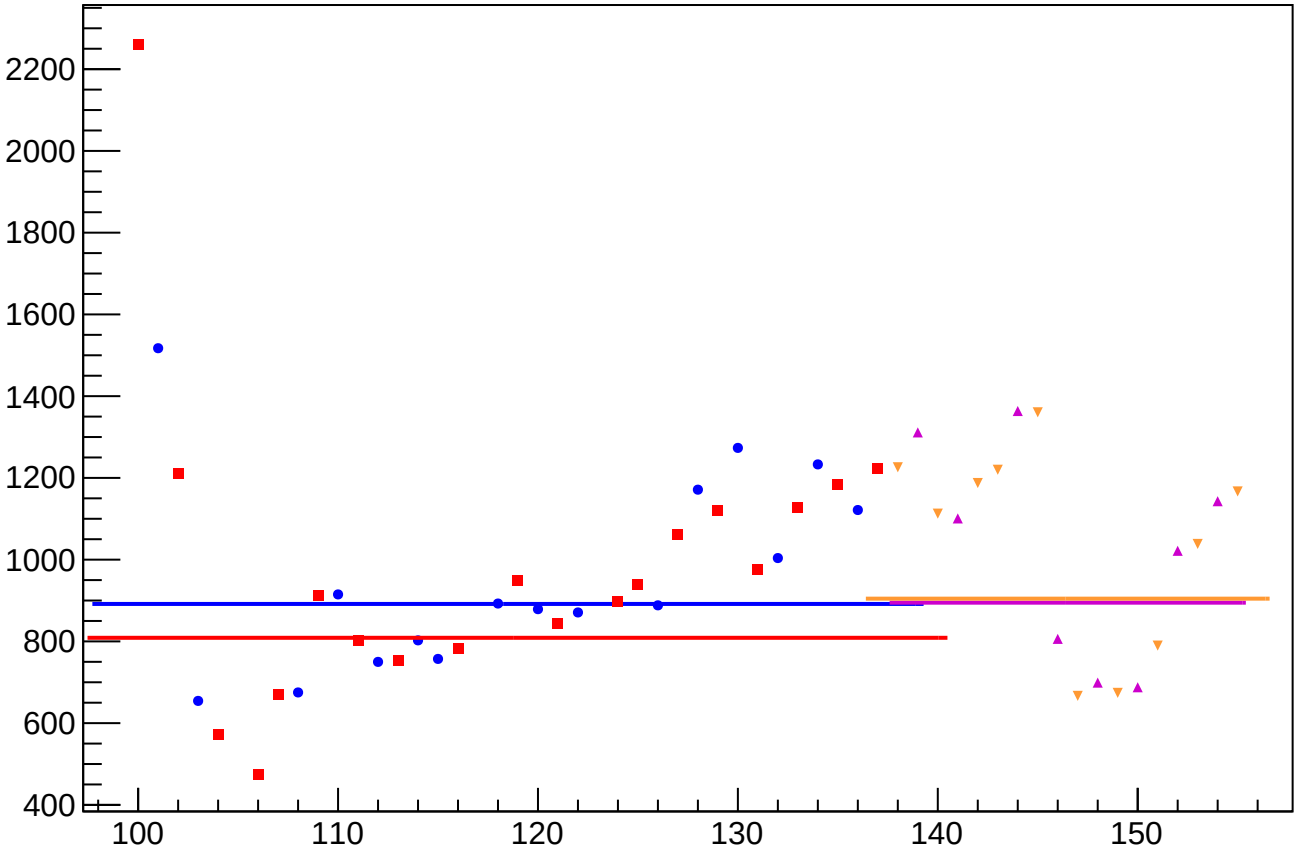
Left In: -80.590+/-350.281 χ^2/NDF:3.5/7

+ sign -30.602+/-240.330 χ^2/NDF: 27.7/25

All: 54.785+/-167.430 χ^2/NDF: 50.8/52

- sign 135.309+/-233.386 χ^2/NDF: 22.9/26

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 904.588+/-0.238 χ^2/NDF:1047330.6/9

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

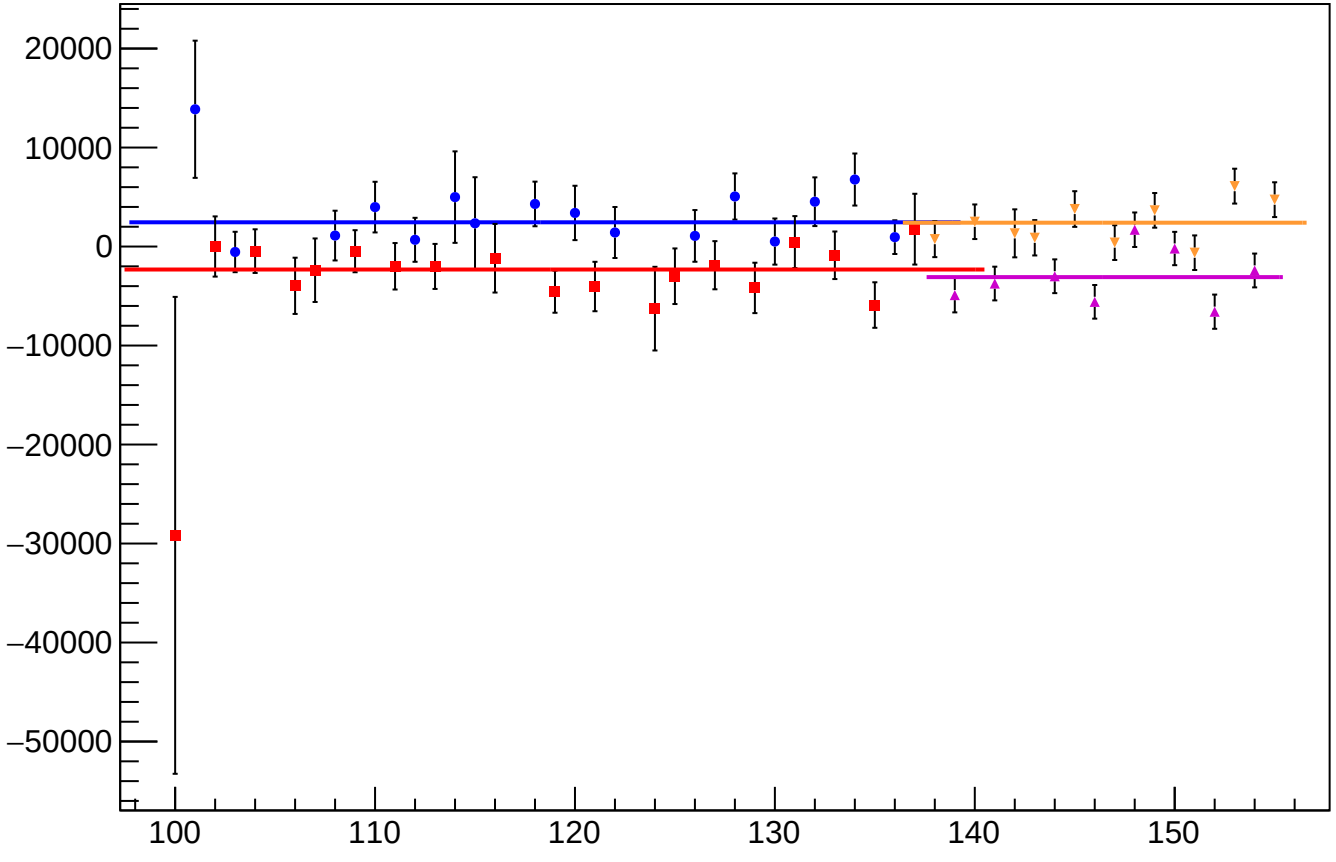
Left In: 894.762+/-0.248 χ^2/NDF:863946.7/7

+ sign 898.244+/-0.170 χ^2/NDF: 1842680.0/25

All: 871.854+/-0.118 χ^2/NDF: 3904290.7/52

- sign 846.966+/-0.165 χ^2/NDF: 2014752.1/26

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2408.310+/-572.929 χ^2/NDF:13.3/9

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

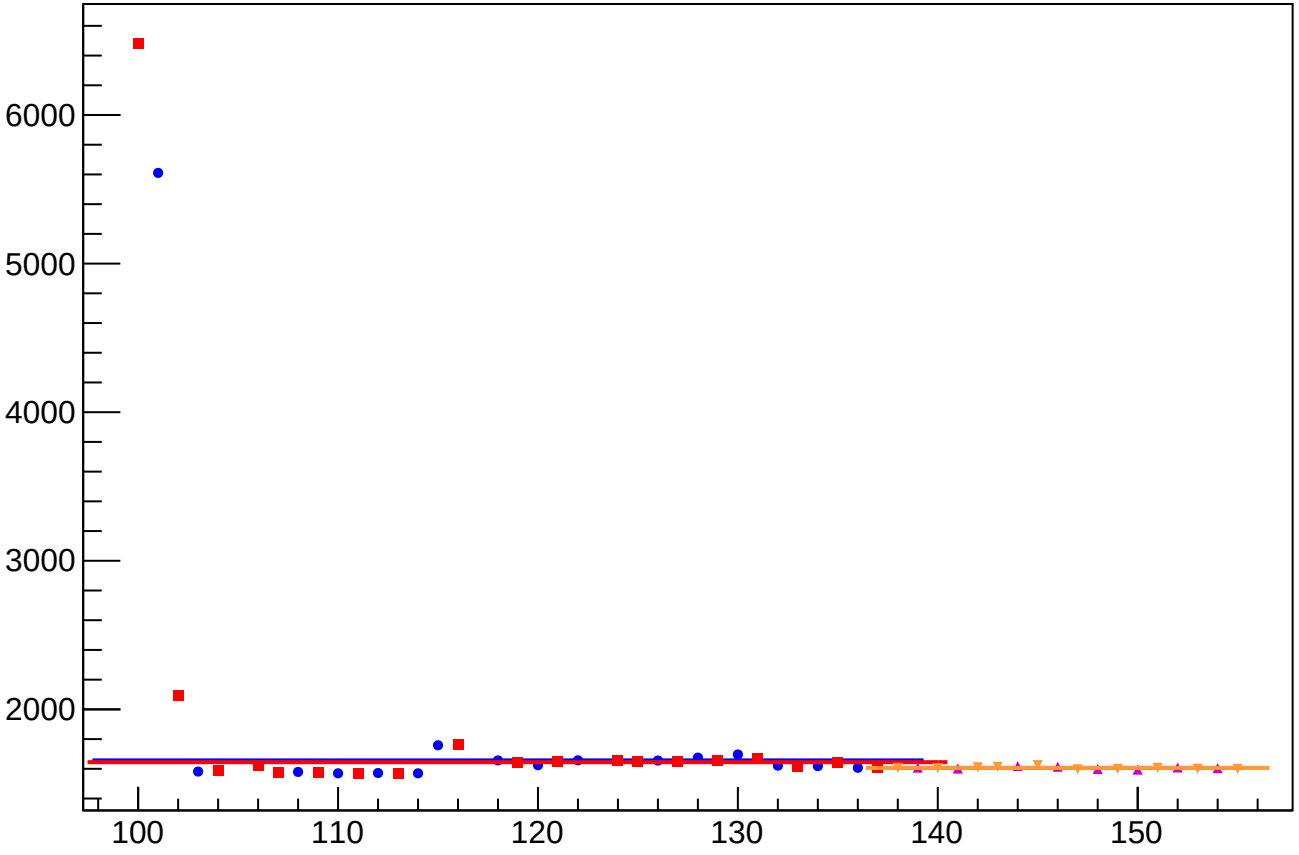
Left In: -3087.213+/-606.159 χ^2/NDF:18.1/7

+ sign 2426.901+/-423.937 χ^2/NDF: 27.2/25

All: -104.050+/-301.838 χ^2/NDF: 130.4/52

- sign -2706.100+/-429.850 χ^2/NDF: 31.0/26

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1605.827+/-0.405 χ^2/NDF:384.6/9

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

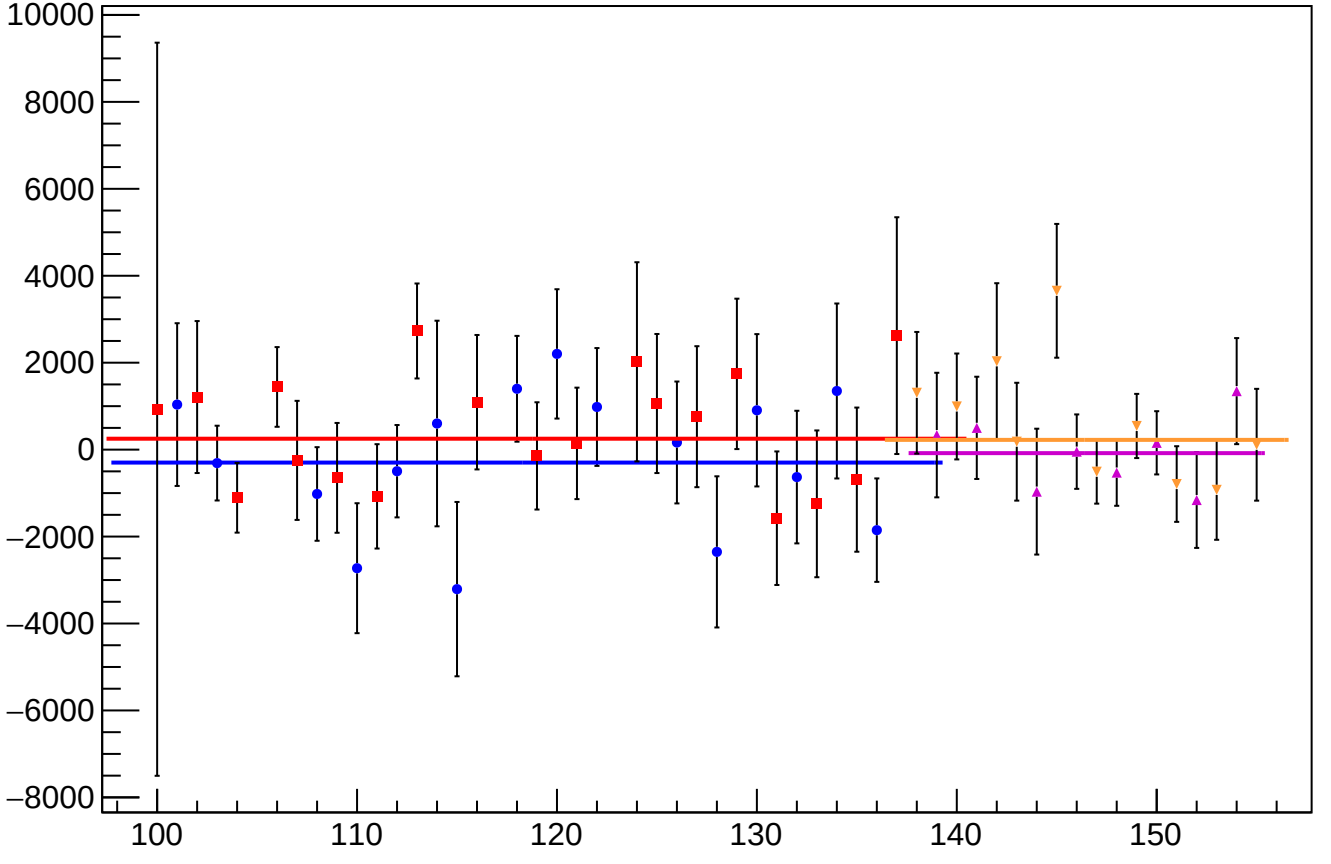
Left In: 1606.179+/-0.429 χ^2/NDF:303.9/7

+ sign 1628.838+/-0.300 χ^2/NDF: 673740.8/25

All: 1627.116+/-0.213 χ^2/NDF: 814616.8/52

- sign 1625.345+/-0.304 χ^2/NDF: 140809.1/26

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 224.393+/-336.423 χ^2/NDF:10.5/9

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

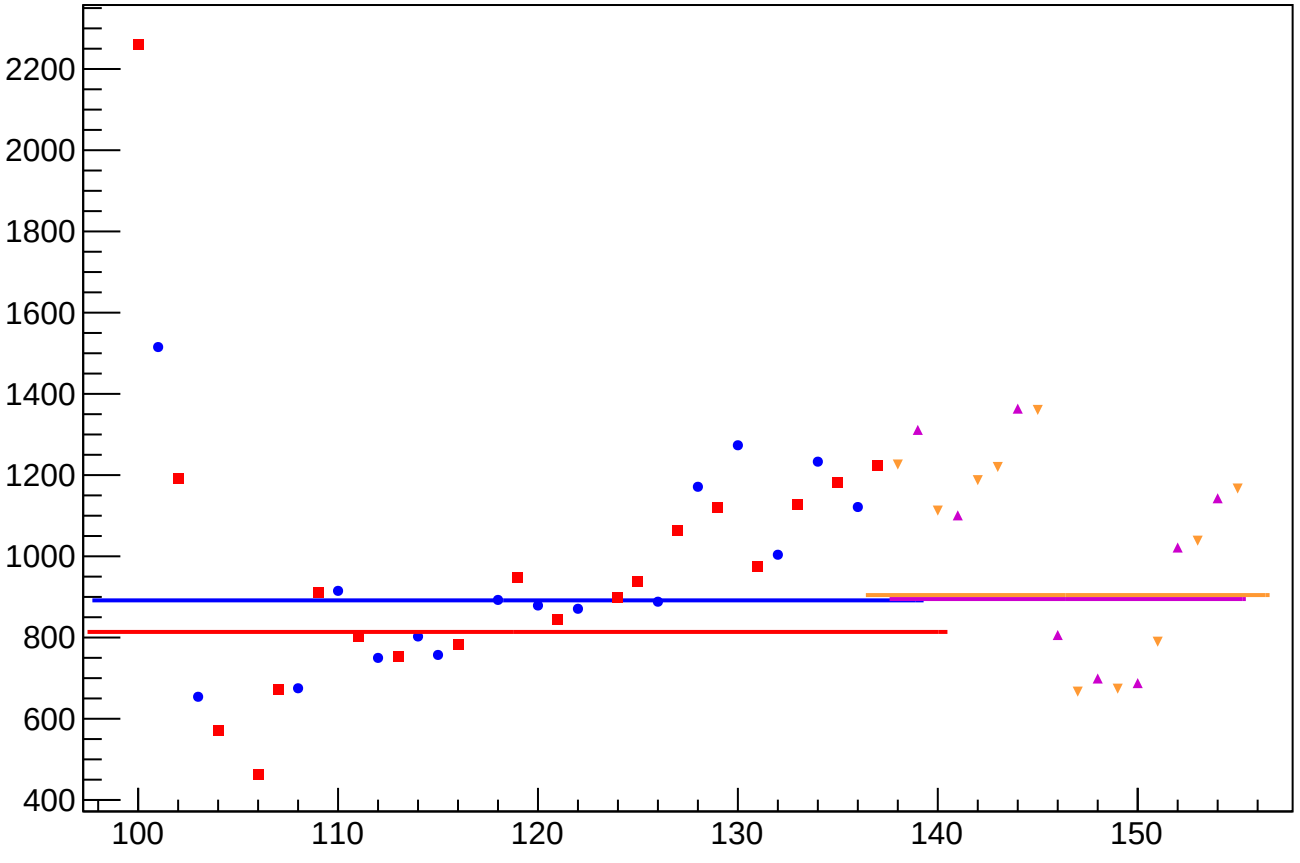
Left In: -80.646+/-350.284 χ^2/NDF:3.5/7

\+ sign -31.349+/-240.313 χ^2/NDF: 27.7/25

All: 37.182+/-167.845 χ^2/NDF: 49.1/52

\- sign 102.454+/-234.530 χ^2/NDF: 21.2/26

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 904.572+/-0.238 χ^2/NDF:1047383.2/9

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

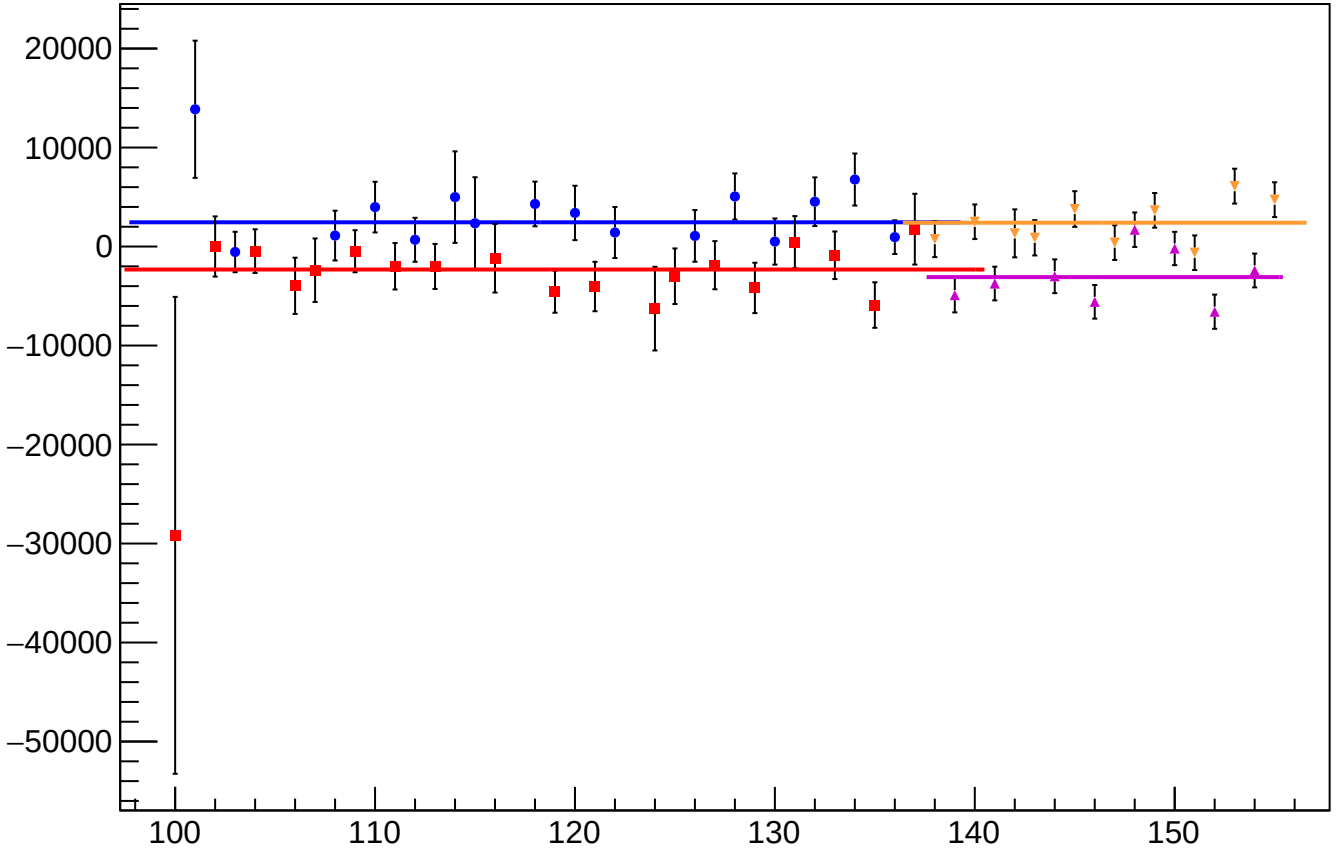
Left In: 894.769+/-0.248 χ^2/NDF:863914.1/7

+ sign 898.186+/-0.170 χ^2/NDF: 1842511.9/25

All: 873.558+/-0.119 χ^2/NDF: 3859377.4/52

- sign 850.102+/-0.166 χ^2/NDF: 1975853.6/26

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2408.310+/-572.929 χ^2/NDF:13.3/9

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

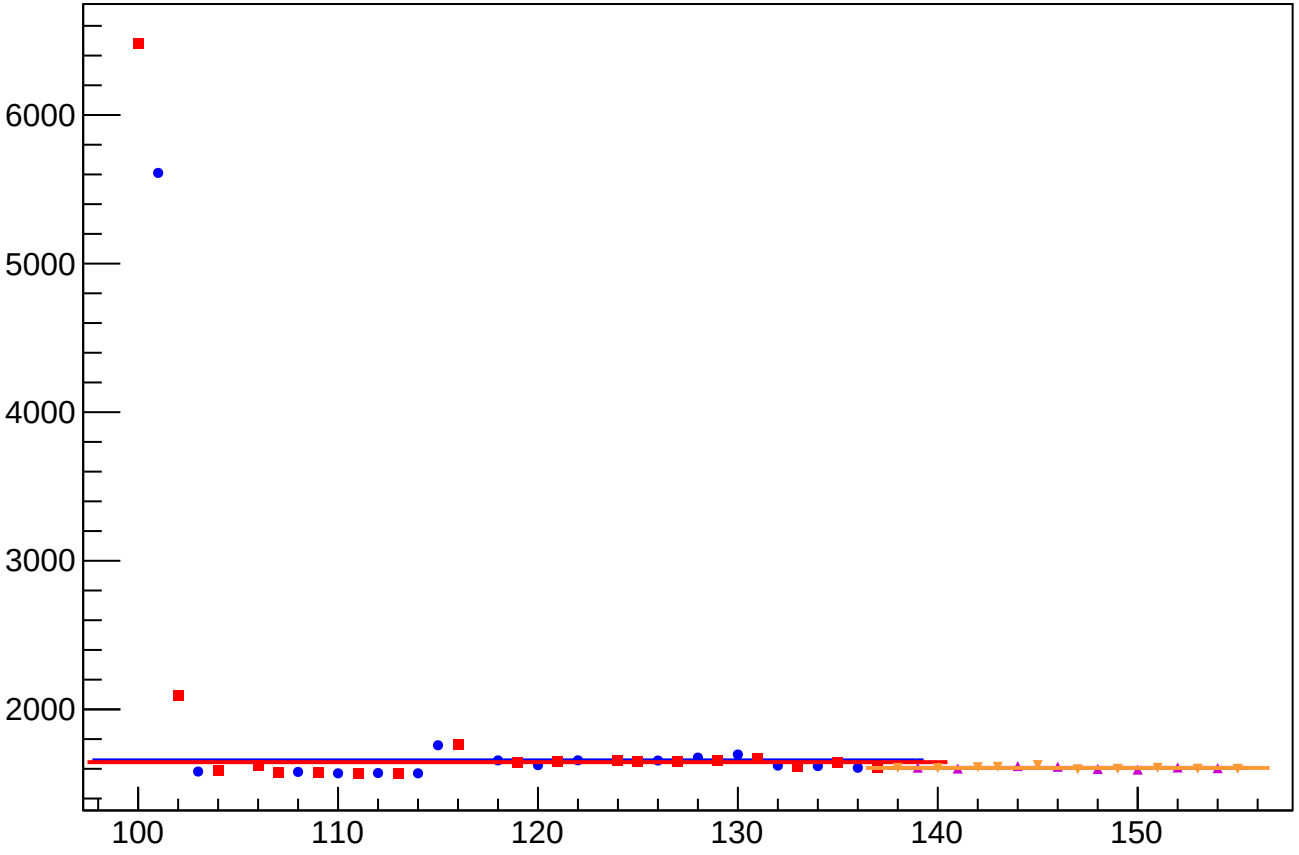
Left In: -3087.213+/-606.159 χ^2/NDF:18.1/7

+ sign 2426.901+/-423.937 χ^2/NDF: 27.2/25

All: -104.050+/-301.838 χ^2/NDF: 130.4/52

- sign -2706.100+/-429.850 χ^2/NDF: 31.0/26

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1605.827+/-0.405 χ^2/NDF:384.6/9

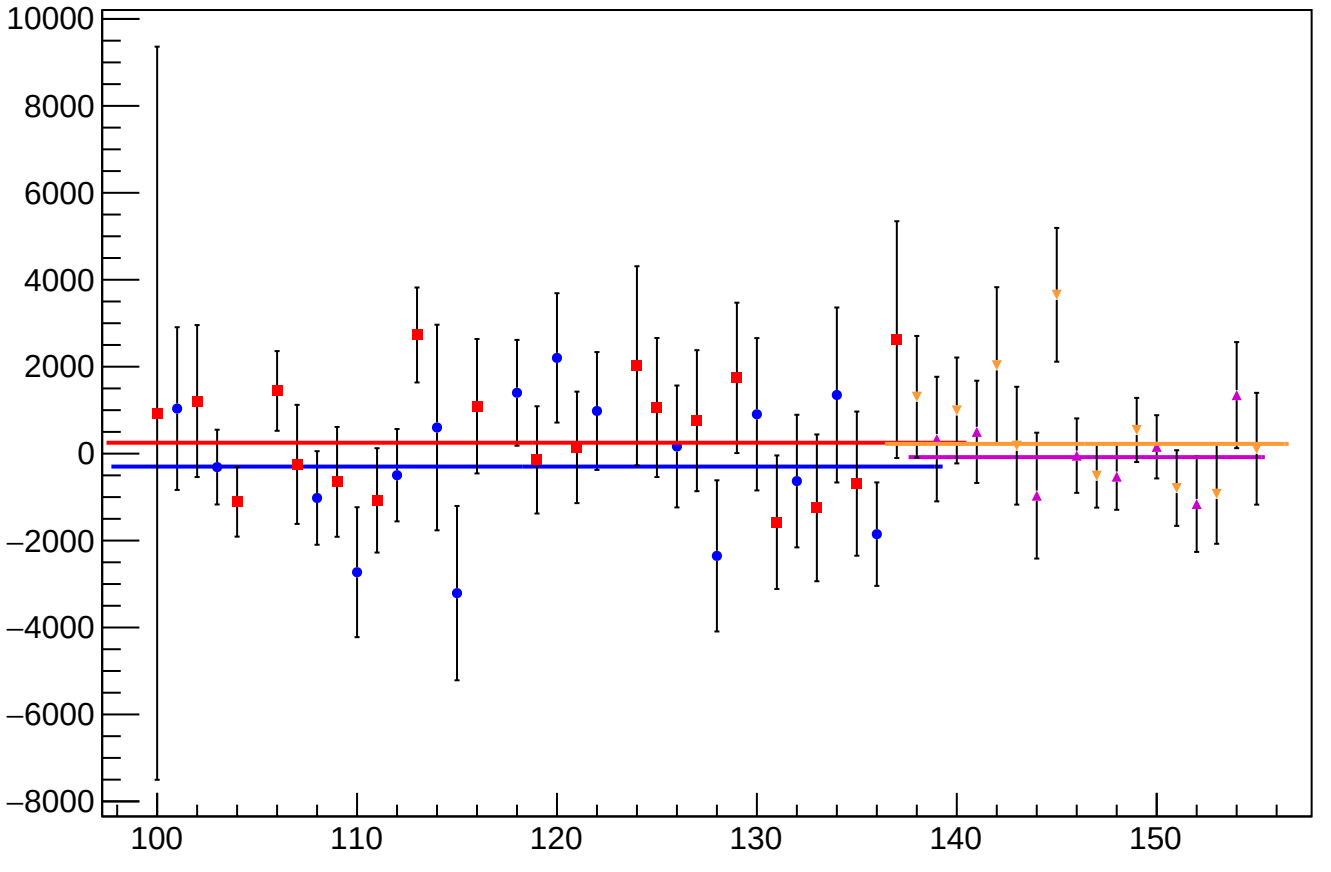
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1606.179+/-0.429 χ^2/NDF:303.9/7

+ sign 1628.838+/-0.300 χ^2/NDF: 673740.8/25

All: 1627.116+/-0.213 χ^2/NDF: 814616.8/52

- sign 1625.345+/-0.304 χ^2/NDF: 140809.1/26



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 224.393+/-336.423 χ^2/NDF:10.5/9

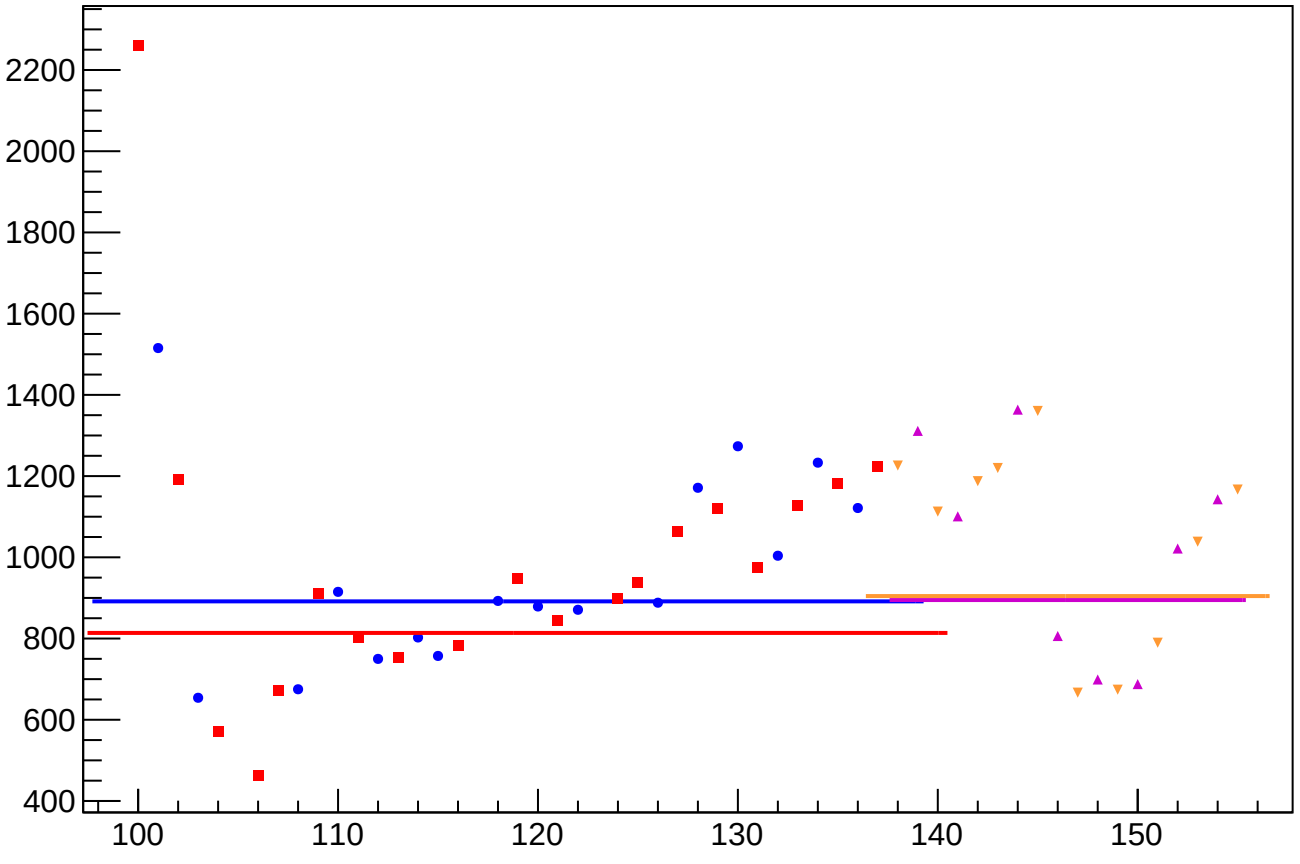
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -80.646+/-350.284 χ^2/NDF:3.5/7

\+ sign -31.349+/-240.313 χ^2/NDF: 27.7/25

All: 37.182+/-167.845 χ^2/NDF: 49.1/52

\- sign 102.454+/-234.530 χ^2/NDF: 21.2/26



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 904.572+/-0.238 χ^2/NDF:1047383.2/9

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

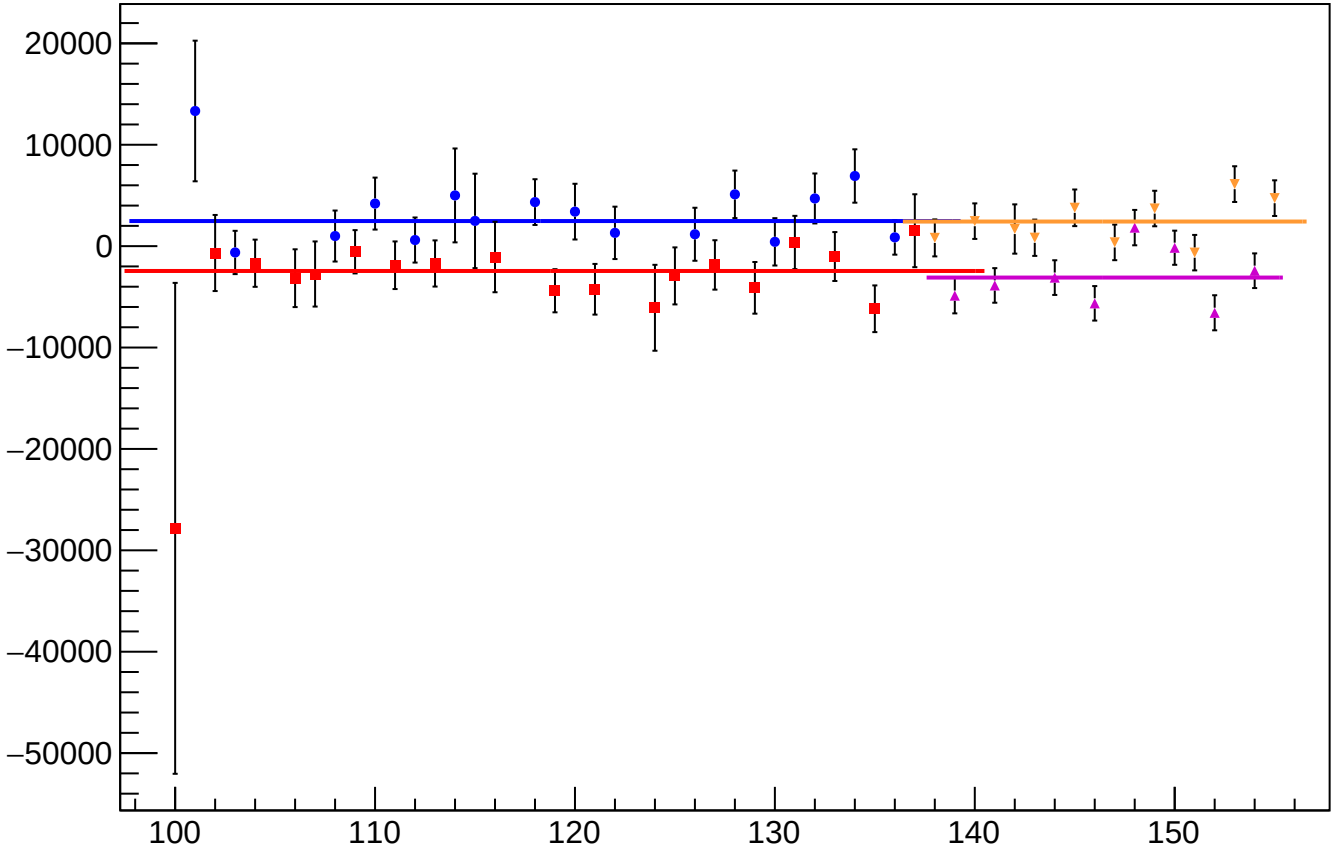
Left In: 894.769+/-0.248 χ^2/NDF:863914.1/7

+ sign 898.186+/-0.170 χ^2/NDF: 1842511.9/25

All: 873.558+/-0.119 χ^2/NDF: 3859377.4/52

- sign 850.102+/-0.166 χ^2/NDF: 1975853.6/26

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2427.649+/-573.879 χ^2/NDF:13.3/9

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

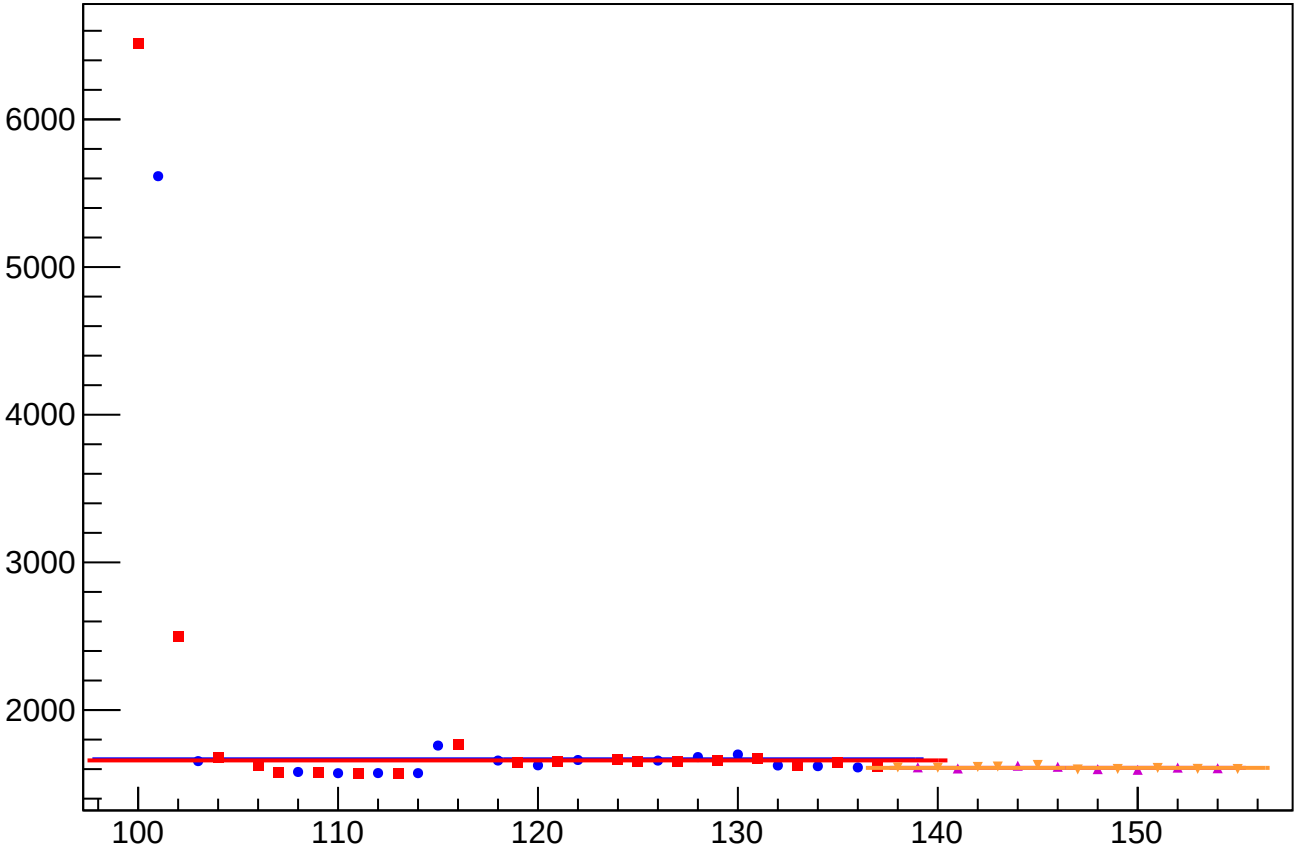
Left In: -3098.441+/-607.018 χ^2/NDF:18.7/7

+ sign 2449.081+/-425.424 χ^2/NDF: 27.5/25

All: -119.612+/-303.428 χ^2/NDF: 131.5/52

- sign -2779.323+/-432.896 χ^2/NDF: 29.8/26

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1608.479+/-0.406 χ^2/NDF:487.4/9

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

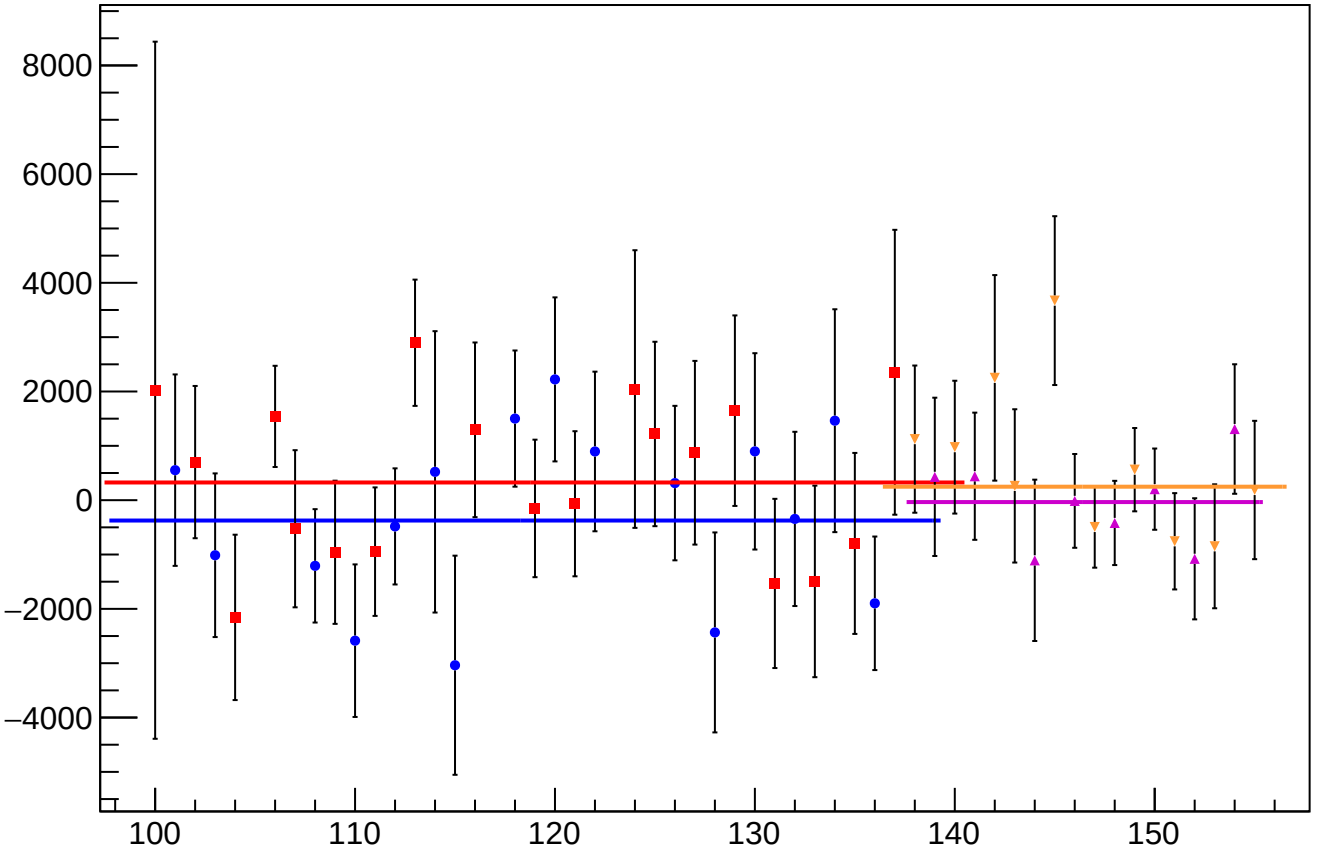
Left In: 1608.434+/-0.429 χ^2/NDF:375.4/7

+ sign 1634.570+/-0.301 χ^2/NDF: 672579.1/25

All: 1633.939+/-0.215 χ^2/NDF: 873008.5/52

- sign 1633.285+/-0.306 χ^2/NDF: 200420.4/26

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 248.077+/-341.840 χ^2/NDF:10.1/9

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

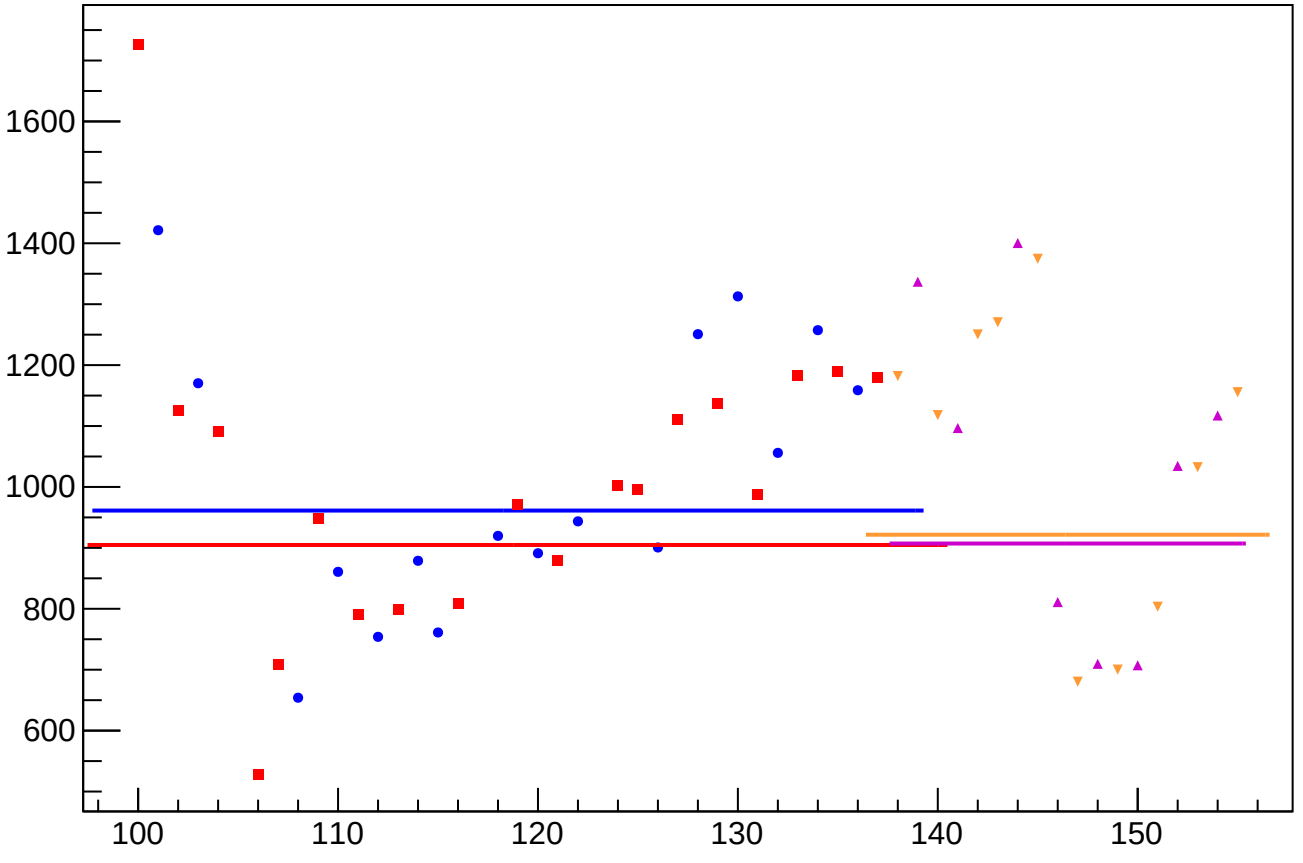
Left In: -34.793+/-354.387 χ^2/NDF:3.3/7

+ sign -40.388+/-250.438 χ^2/NDF: 27.4/25

All: 57.985+/-175.343 χ^2/NDF: 48.9/52

- sign 152.576+/-245.578 χ^2/NDF: 21.2/26

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 921.599+/-0.242 χ^2/NDF:975156.0/9

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

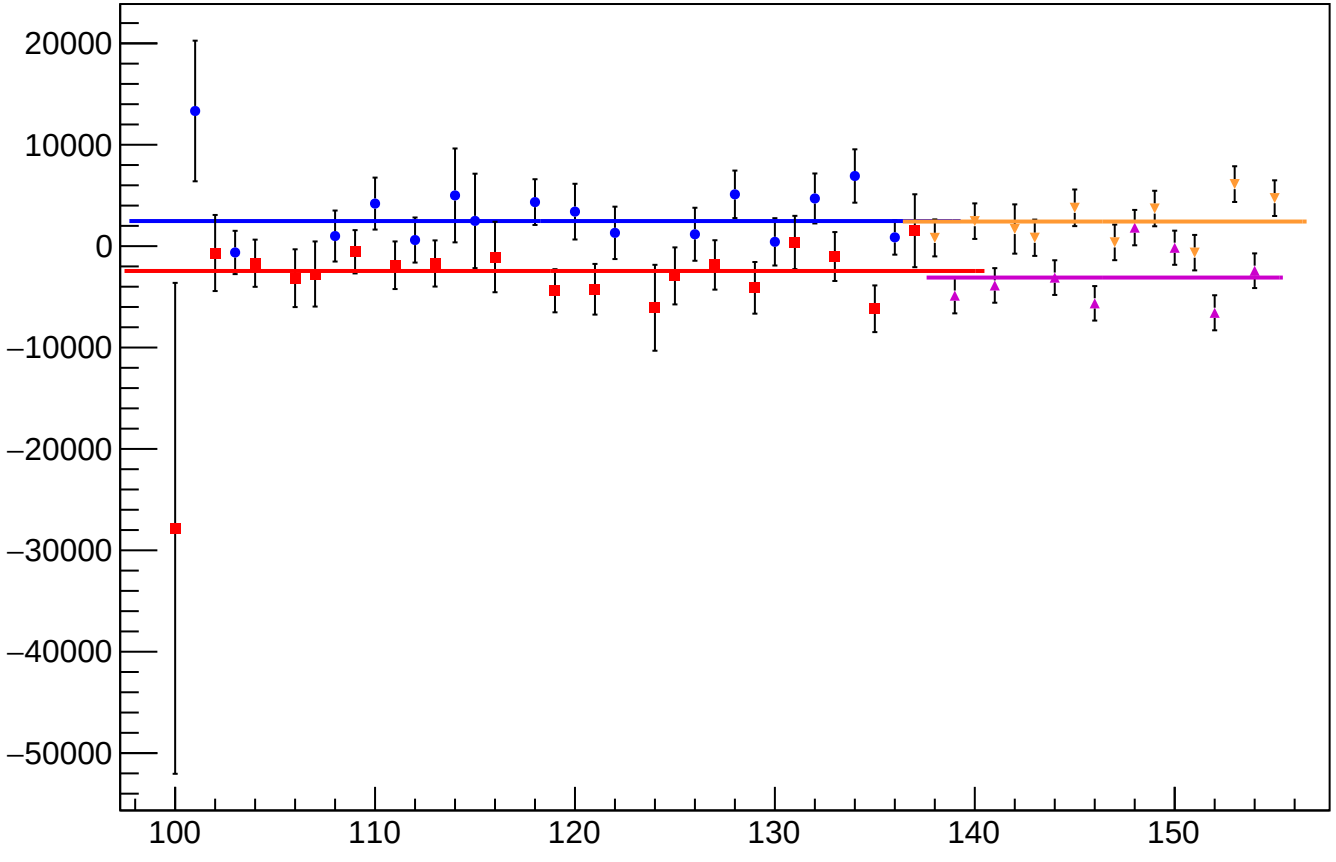
Left In: 907.139+/-0.251 χ^2/NDF:833503.5/7

+ sign 939.965+/-0.177 χ^2/NDF: 1679492.8/25

All: 922.593+/-0.124 χ^2/NDF: 3268404.1/52

- sign 905.890+/-0.174 χ^2/NDF: 1570036.0/26

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2427.649+/-573.879 χ^2/NDF:13.3/9

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

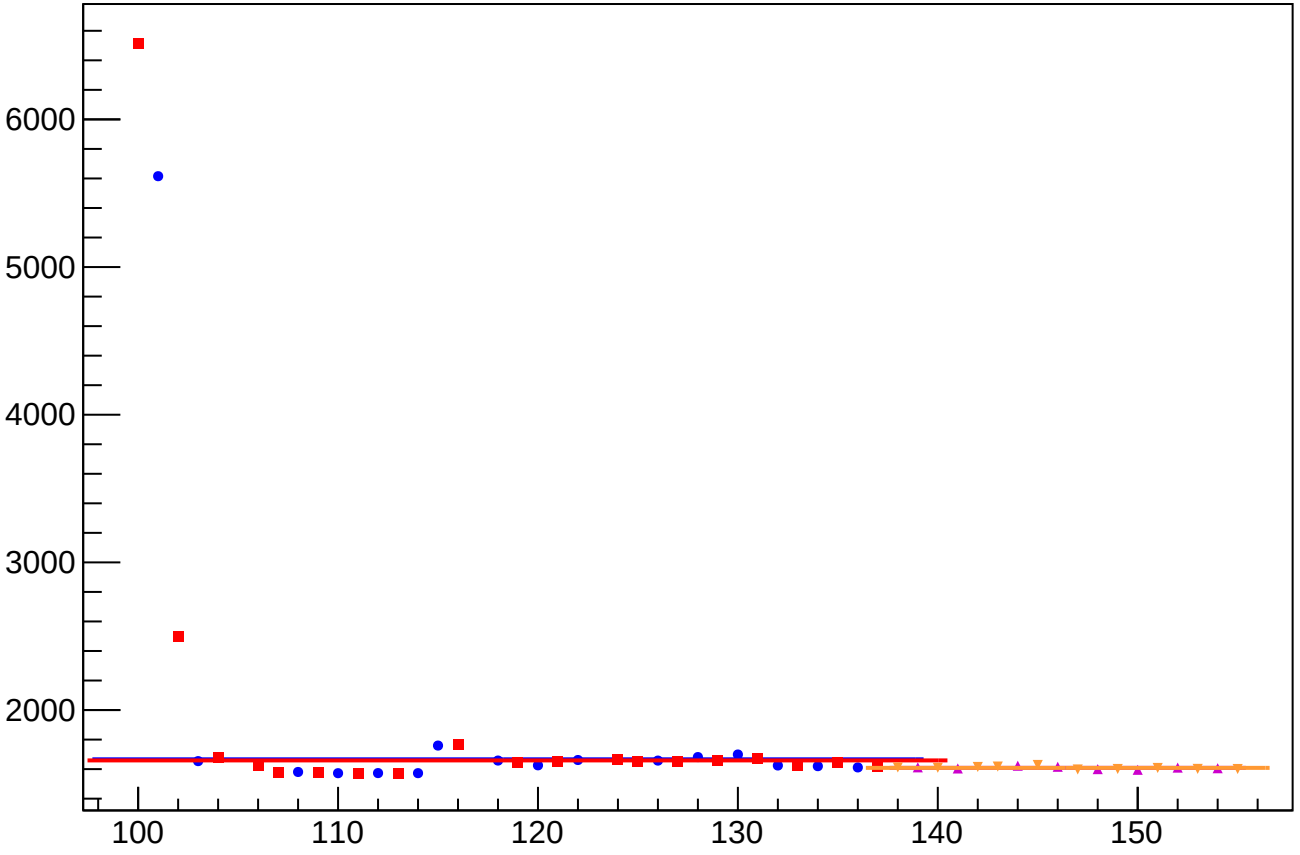
Left In: -3098.441+/-607.018 χ^2/NDF:18.7/7

+ sign 2449.081+/-425.424 χ^2/NDF: 27.5/25

All: -119.612+/-303.428 χ^2/NDF: 131.5/52

- sign -2779.323+/-432.896 χ^2/NDF: 29.8/26

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1608.479+/-0.406 χ^2/NDF:487.4/9

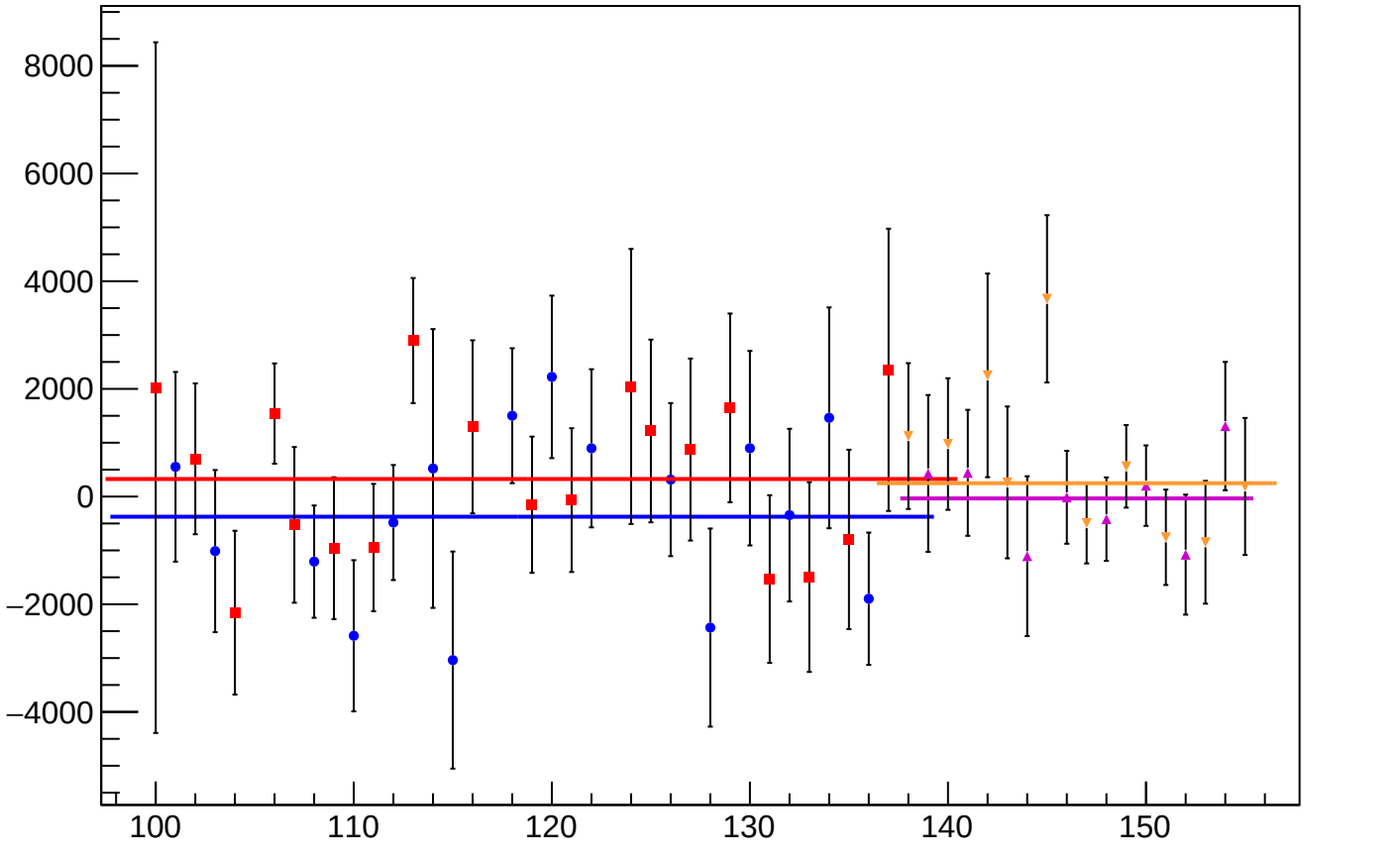
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.434+/-0.429 χ^2/NDF:375.4/7

+ sign 1634.570+/-0.301 χ^2/NDF: 672579.1/25

All: 1633.939+/-0.215 χ^2/NDF: 873008.2/52

- sign 1633.285+/-0.306 χ^2/NDF: 200420.2/26



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 248.076+/-341.841 χ^2/NDF:10.1/9

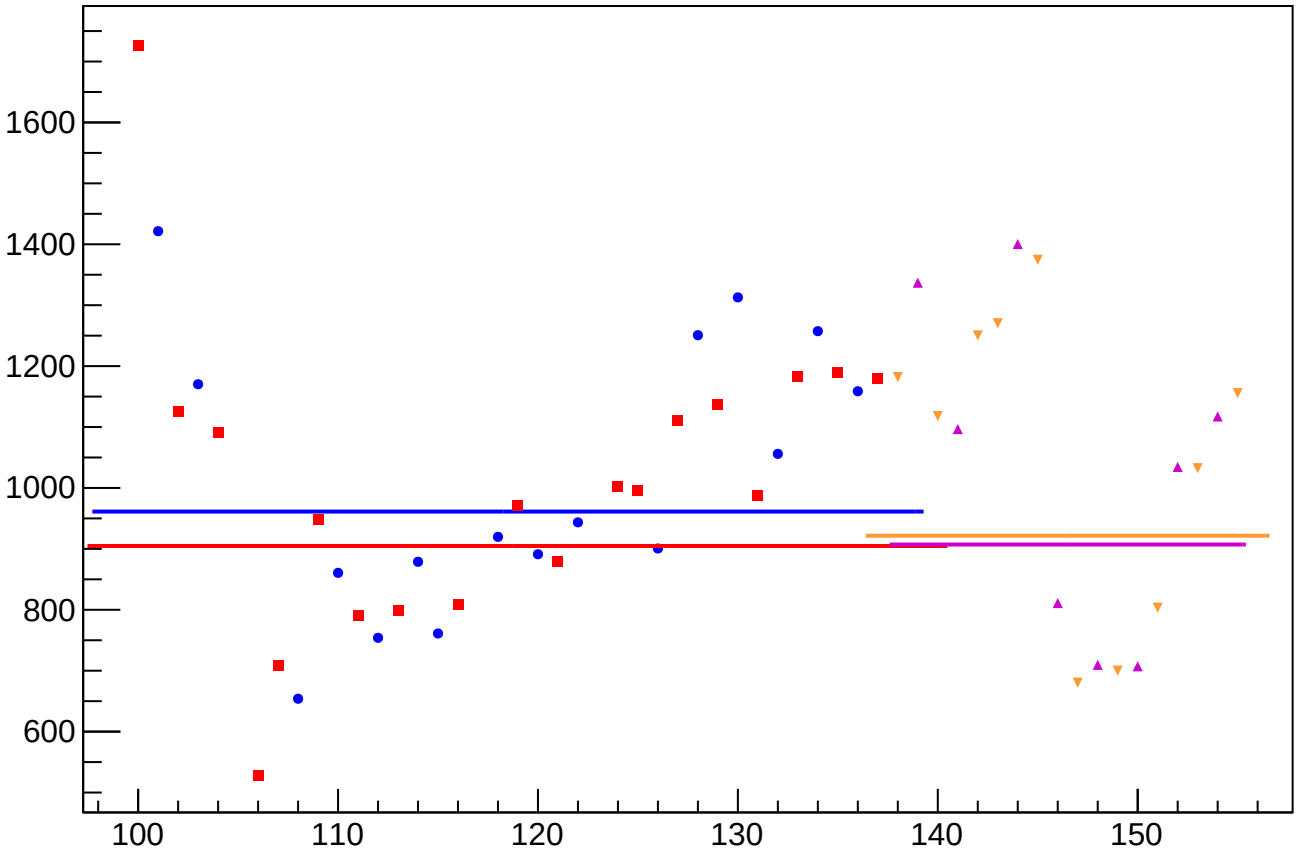
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -34.794+/-354.388 χ^2/NDF:3.3/7

+ sign -40.389+/-250.438 χ^2/NDF: 27.4/25

All: 57.984+/-175.343 χ^2/NDF: 48.9/52

- sign 152.576+/-245.577 χ^2/NDF: 21.2/26



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 921.601+/-0.242 χ^2/NDF:975157.7/9

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

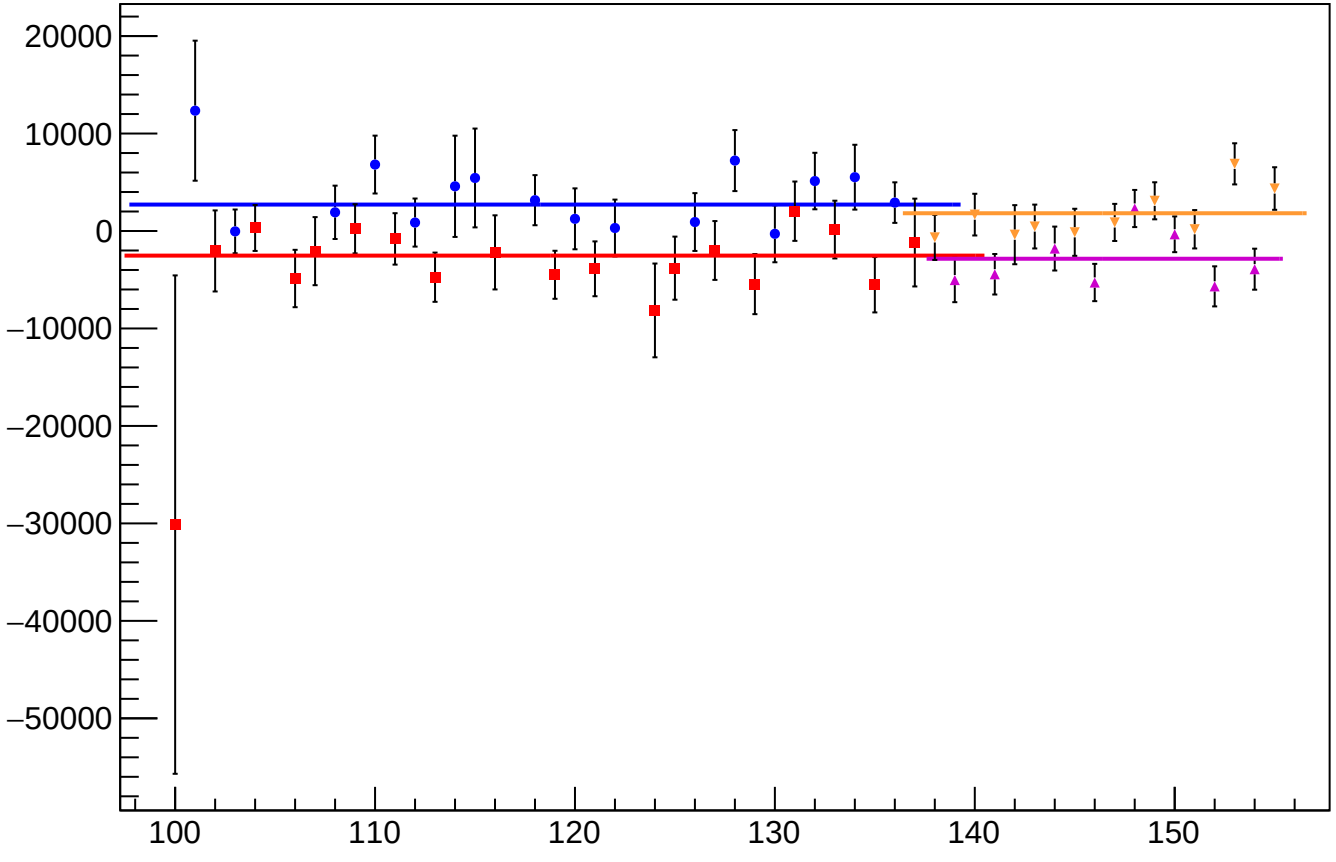
Left In: 907.141+/-0.251 χ^2/NDF:833505.5/7

+ sign 939.964+/-0.177 χ^2/NDF: 1679499.1/25

All: 922.593+/-0.124 χ^2/NDF: 3268409.6/52

- sign 905.890+/-0.174 χ^2/NDF: 1570035.6/26

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 1822.121+/-685.464 χ^2/NDF:11.2/9

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

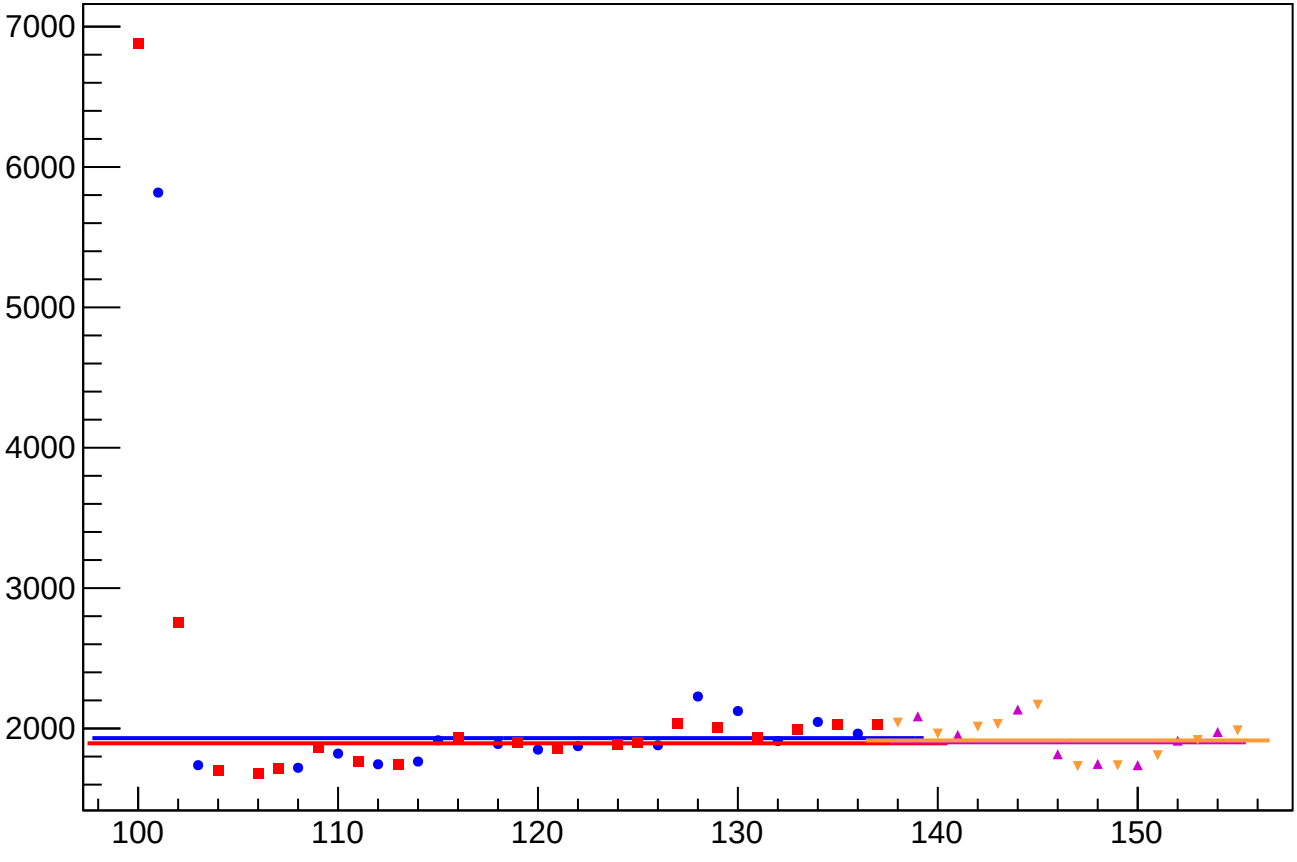
Left In: -2847.072+/-719.798 χ^2/NDF:14.7/7

+ sign 2235.730+/-501.322 χ^2/NDF: 24.1/25

All: -209.763+/-355.497 χ^2/NDF: 100.0/52

- sign -2683.295+/-504.188 χ^2/NDF: 28.0/26

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1914.800+/-0.485 χ^2/NDF:80283.1/9

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

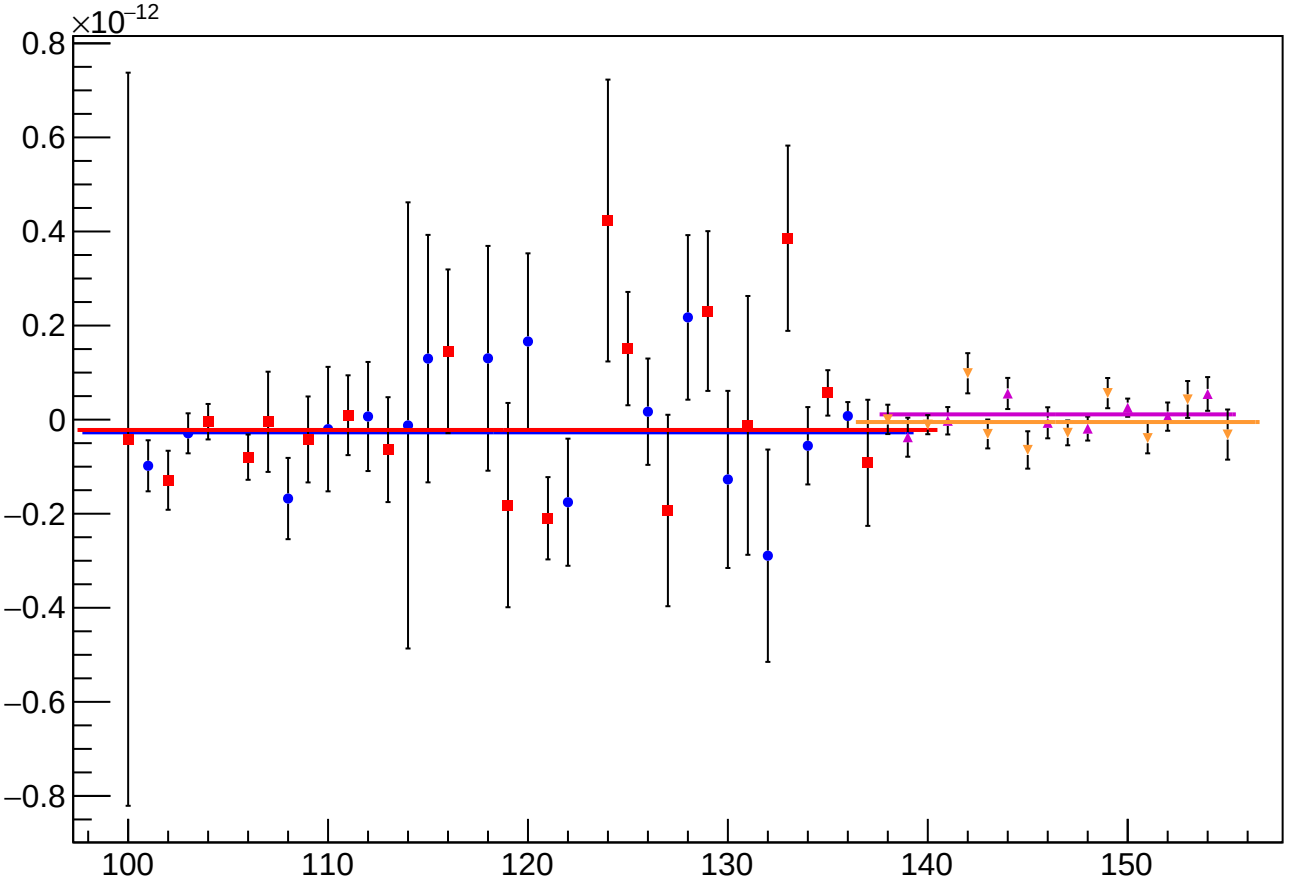
Left In: 1901.460+/-0.509 χ^2/NDF:71279.5/7

+ sign 1922.451+/-0.354 χ^2/NDF: 742045.9/25

All: 1910.215+/-0.251 χ^2/NDF: 1036362.7/52

- sign 1897.838+/-0.357 χ^2/NDF: 291920.1/26

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/9

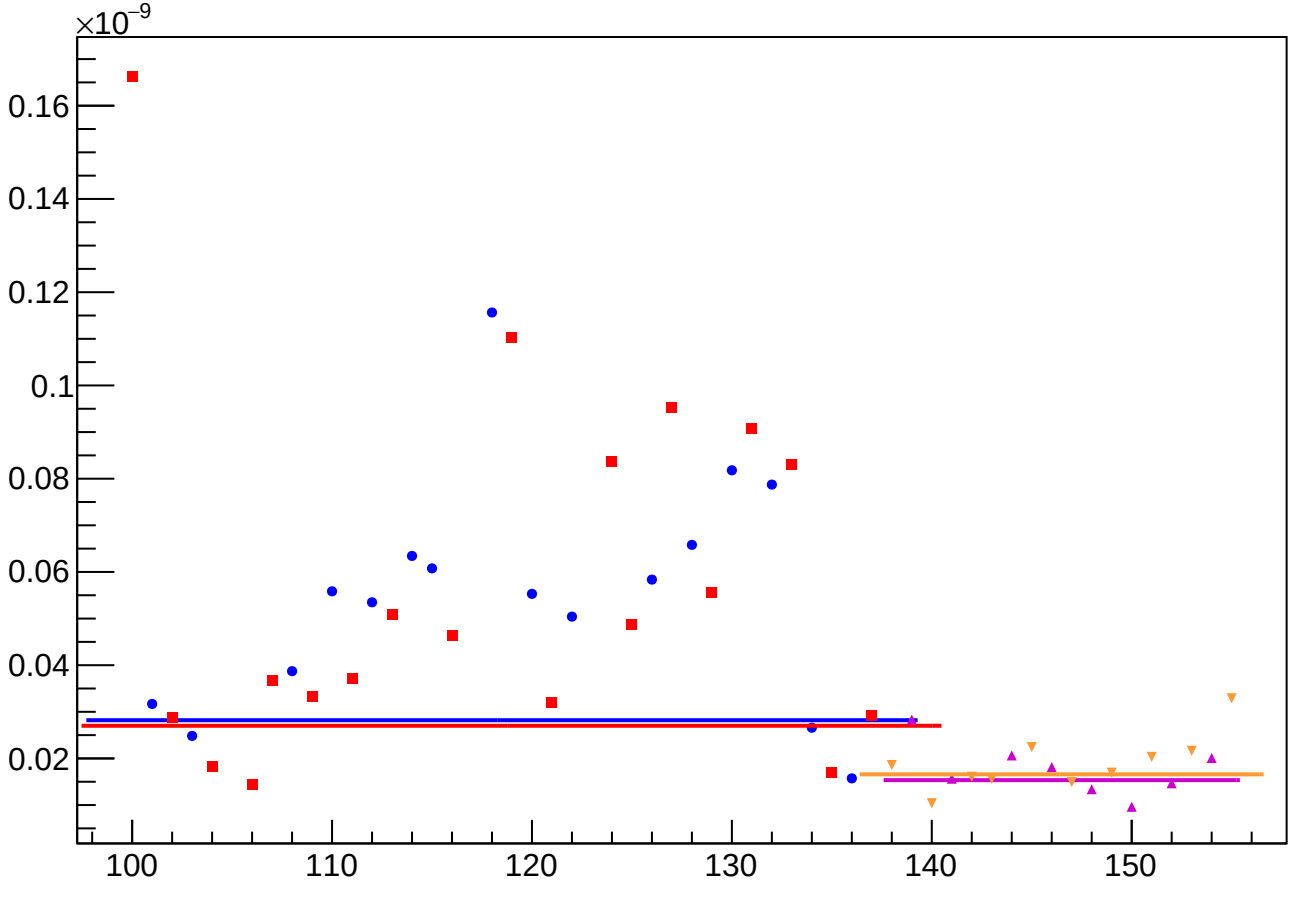
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/7

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/25

All: -0.000+/-0.000 χ^2/NDF: 66.0/52

- sign 0.000+/-0.000 χ^2/NDF: 34.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:495740.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

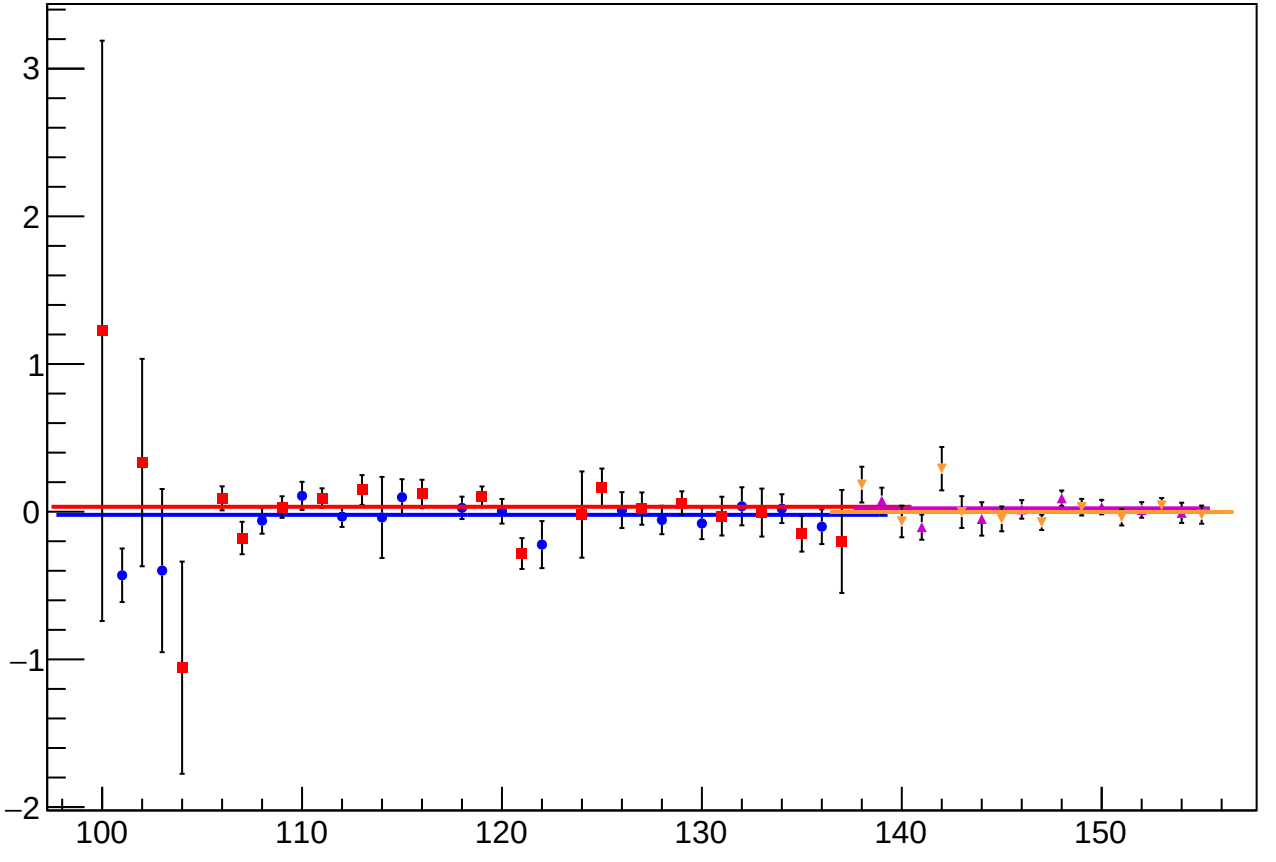
Left In: 0.000+/-0.000 χ^2/NDF:482885.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 2563852.5/25

All: 0.000+/-0.000 χ^2/NDF: 5189940.1/52

- sign 0.000+/-0.000 χ^2/NDF: 2607968.3/26

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: -0.002+/-0.022 χ^2/NDF:10.4/9

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

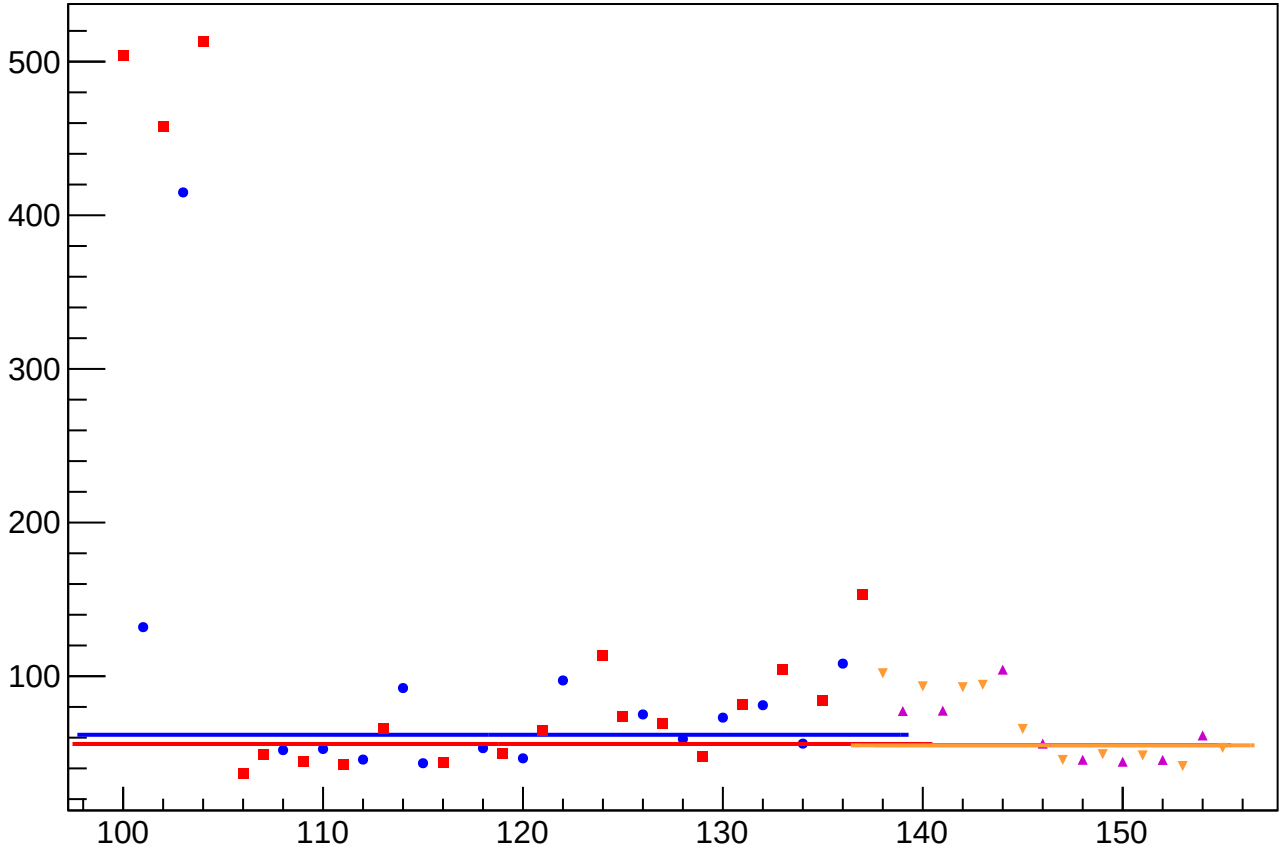
Left In: 0.023+/-0.023 χ^2/NDF:5.0/7

+ sign -0.010+/-0.017 χ^2/NDF: 22.7/25

All: 0.009+/-0.012 χ^2/NDF: 54.6/52

- sign 0.028+/-0.017 χ^2/NDF: 29.4/26

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: 55.009+/-0.015 χ^2/NDF:1249010.6/9

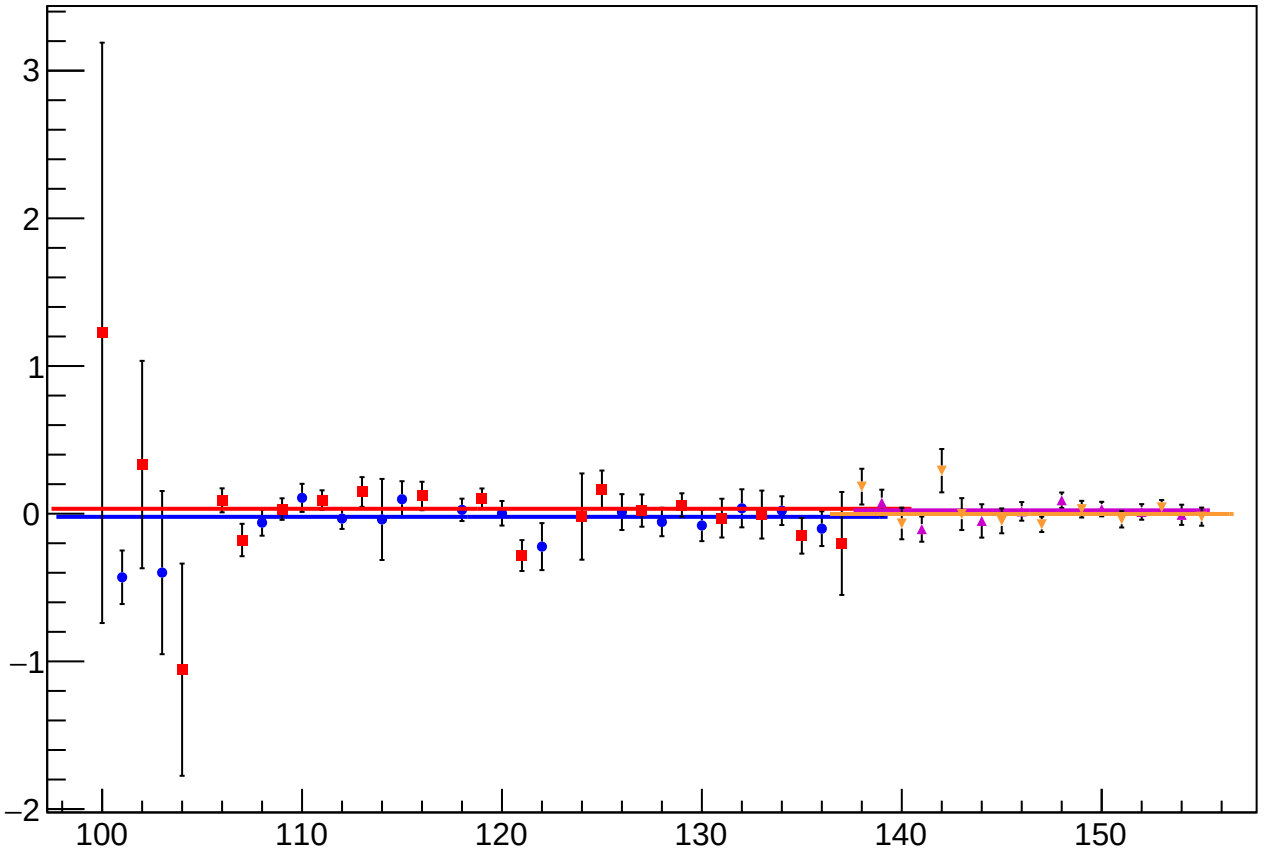
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.161+/-0.016 χ^2/NDF:890358.5/7

+ sign 57.783+/-0.012 χ^2/NDF: 3266667.3/25

All: 56.624+/-0.008 χ^2/NDF: 6767865.3/52

- sign 55.495+/-0.012 χ^2/NDF: 3482576.7/26



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.002+/-0.022 χ^2/NDF:10.4/9

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

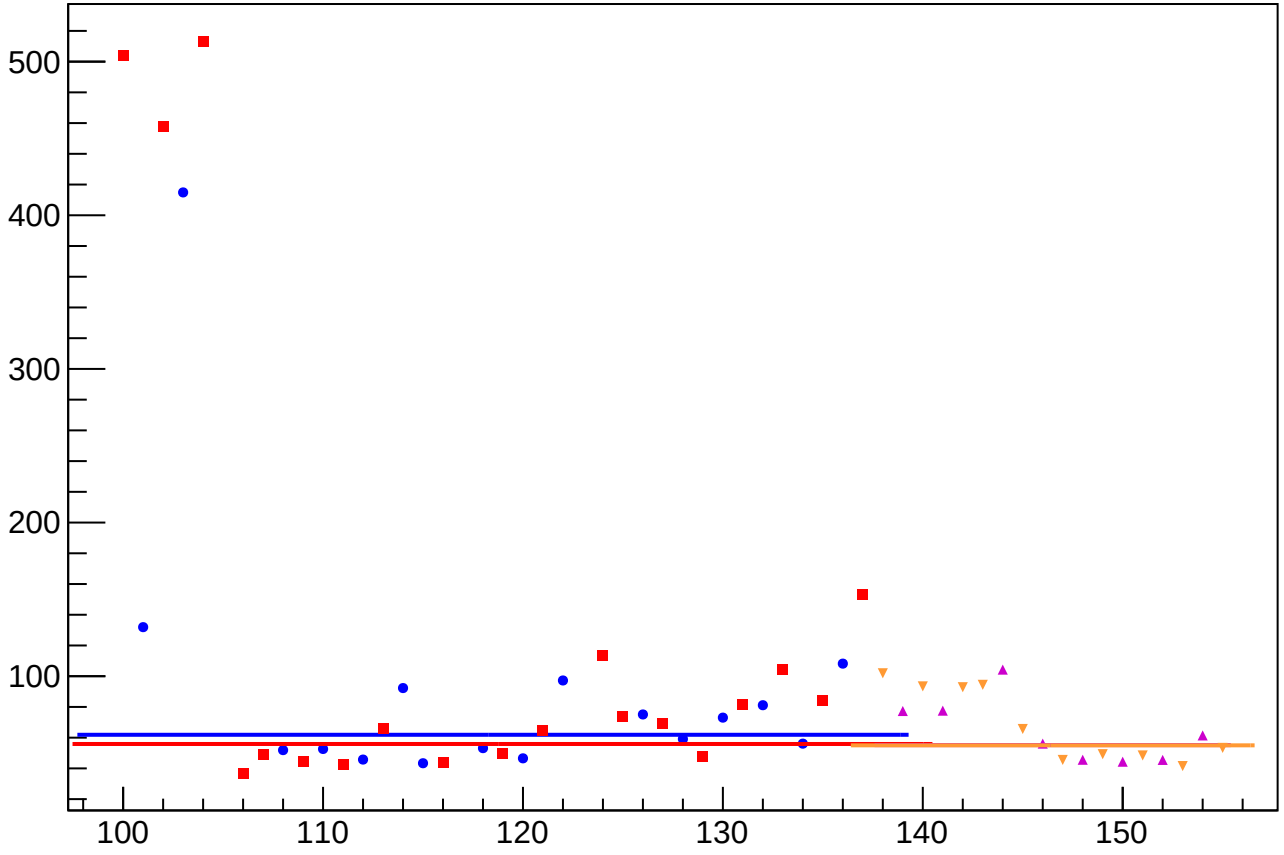
Left In: 0.023+/-0.023 χ^2/NDF:5.0/7

+ sign -0.010+/-0.017 χ^2/NDF: 22.7/25

All: 0.009+/-0.012 χ^2/NDF: 54.6/52

- sign 0.028+/-0.017 χ^2/NDF: 29.4/26

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 55.009+/-0.015 χ^2/NDF:1249010.6/9

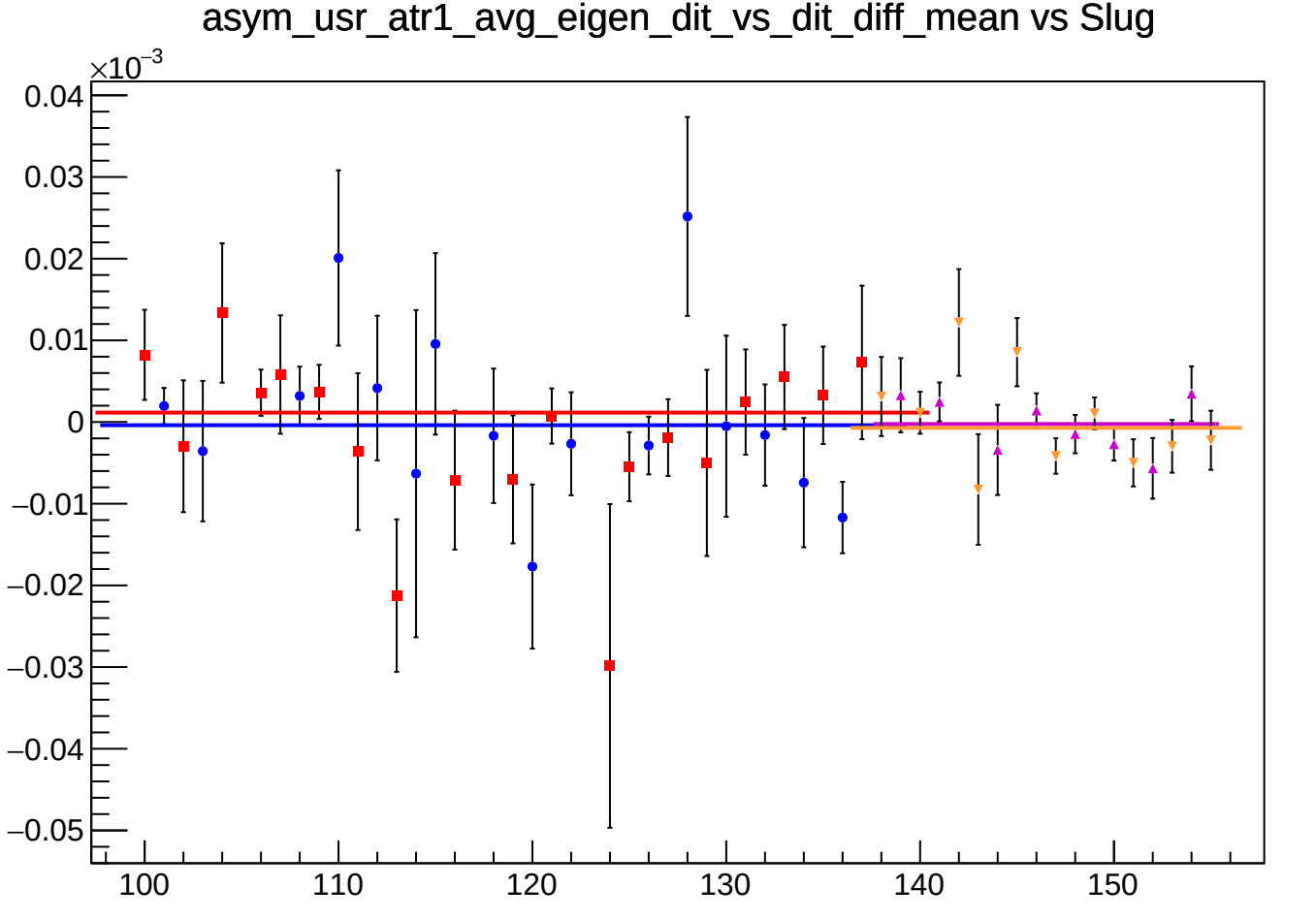
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.161+/-0.016 χ^2/NDF:890358.5/7

+ sign 57.783+/-0.012 χ^2/NDF: 3266667.3/25

All: 56.624+/-0.008 χ^2/NDF: 6767865.3/52

- sign 55.495+/-0.012 χ^2/NDF: 3482576.7/26



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/9

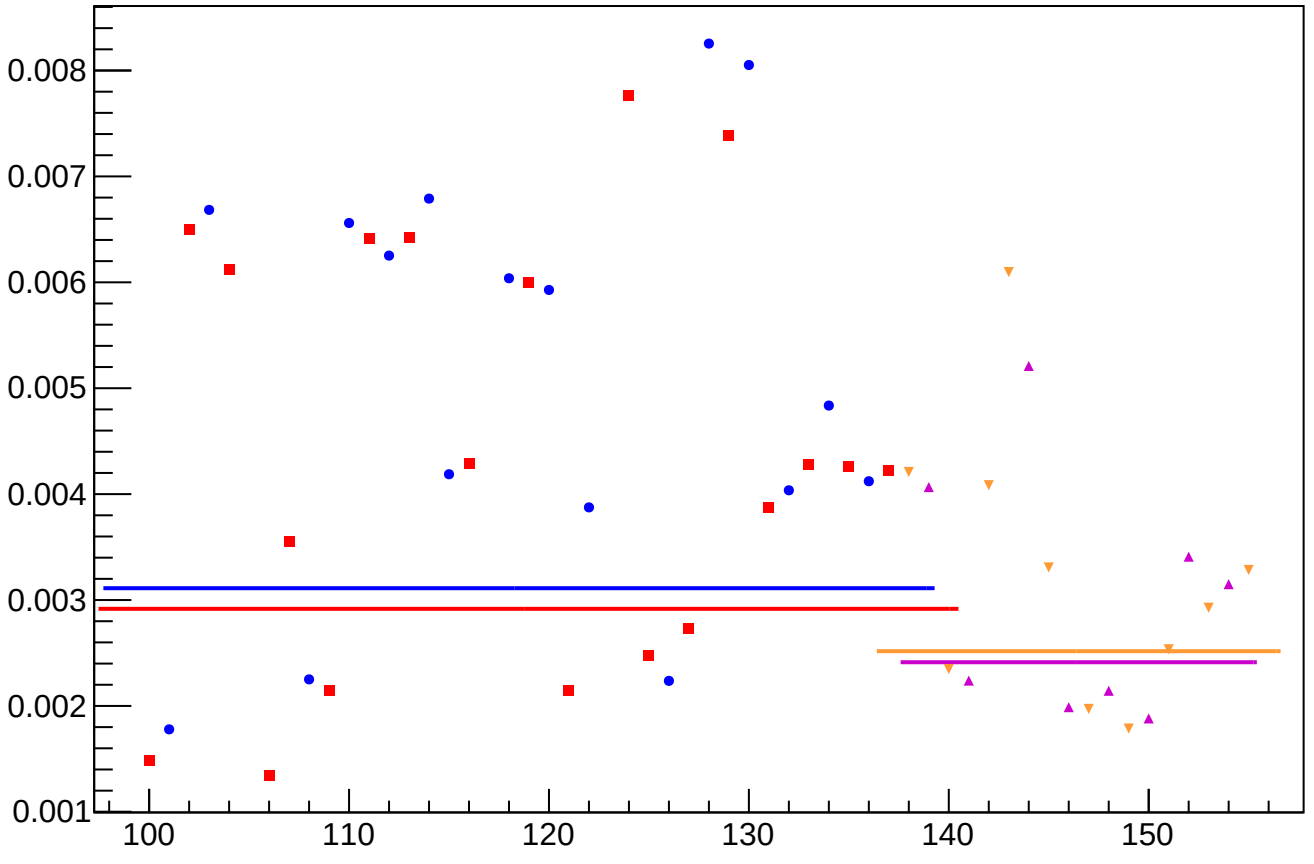
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/7

+ sign -0.000+/-0.000 χ^2/NDF: 40.0/25

All: -0.000+/-0.000 χ^2/NDF: 69.9/52

- sign 0.000+/-0.000 χ^2/NDF: 29.3/26



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:1526660.3/9

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

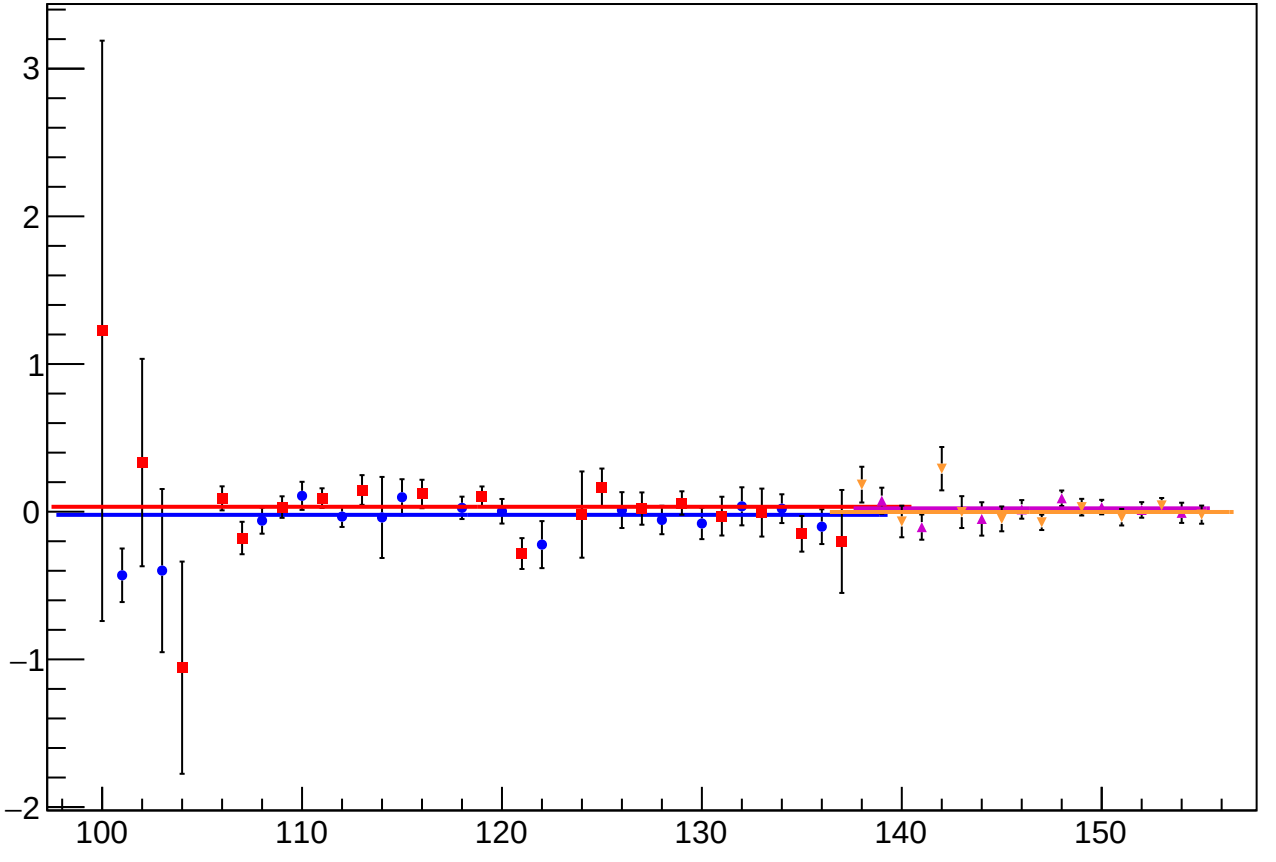
Left In: 0.002+/-0.000 χ^2/NDF:1279900.3/7

+ sign 0.003+/-0.000 χ^2/NDF: 5071411.3/25

All: 0.003+/-0.000 χ^2/NDF: 9875989.0/52

- sign 0.003+/-0.000 χ^2/NDF: 4779278.4/26

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: -0.002+/-0.022 χ^2/NDF:10.4/9

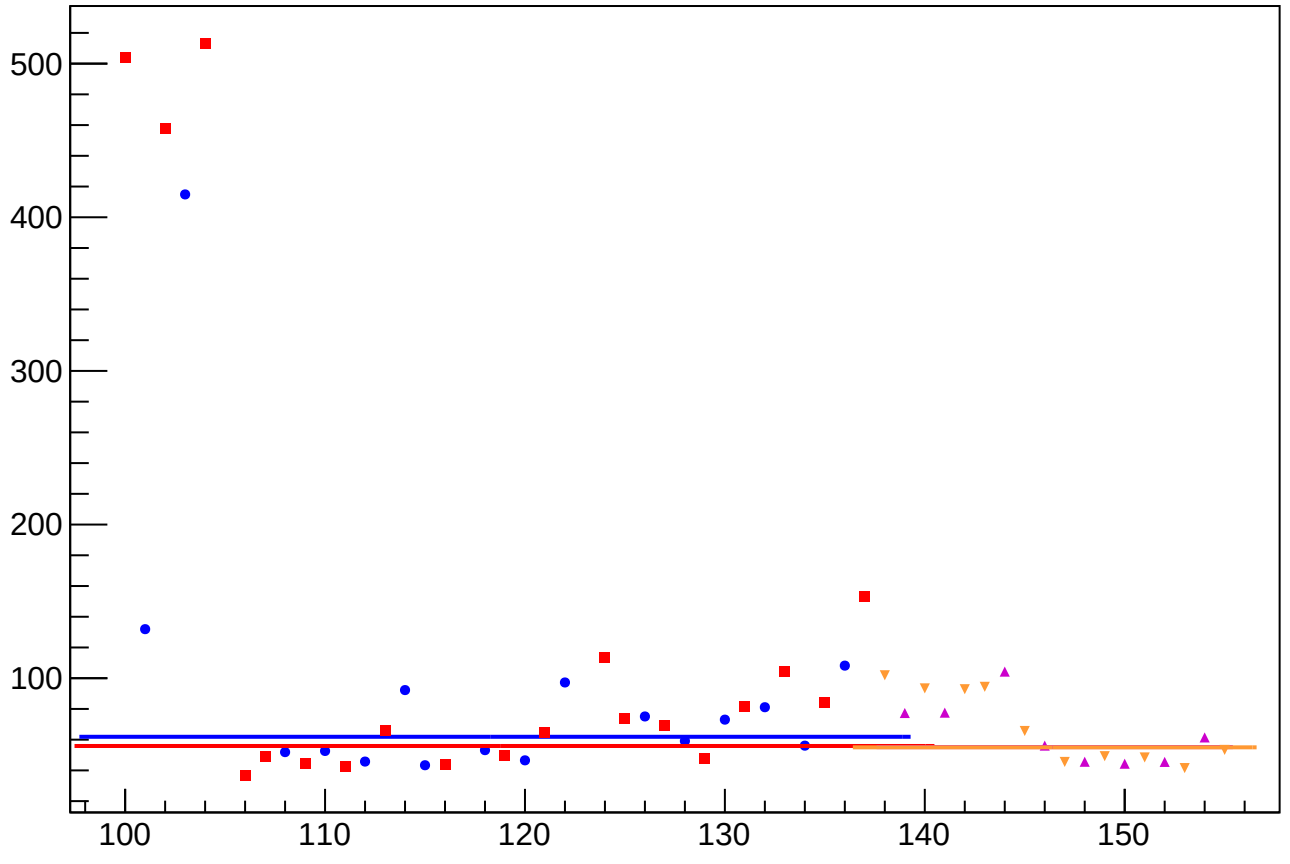
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.023+/-0.023 χ^2/NDF:5.0/7

+ sign -0.010+/-0.017 χ^2/NDF: 22.7/25

All: 0.009+/-0.012 χ^2/NDF: 54.6/52

- sign 0.028+/-0.017 χ^2/NDF: 29.4/26



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.008+/-0.015 χ^2/NDF:1249055.9/9

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

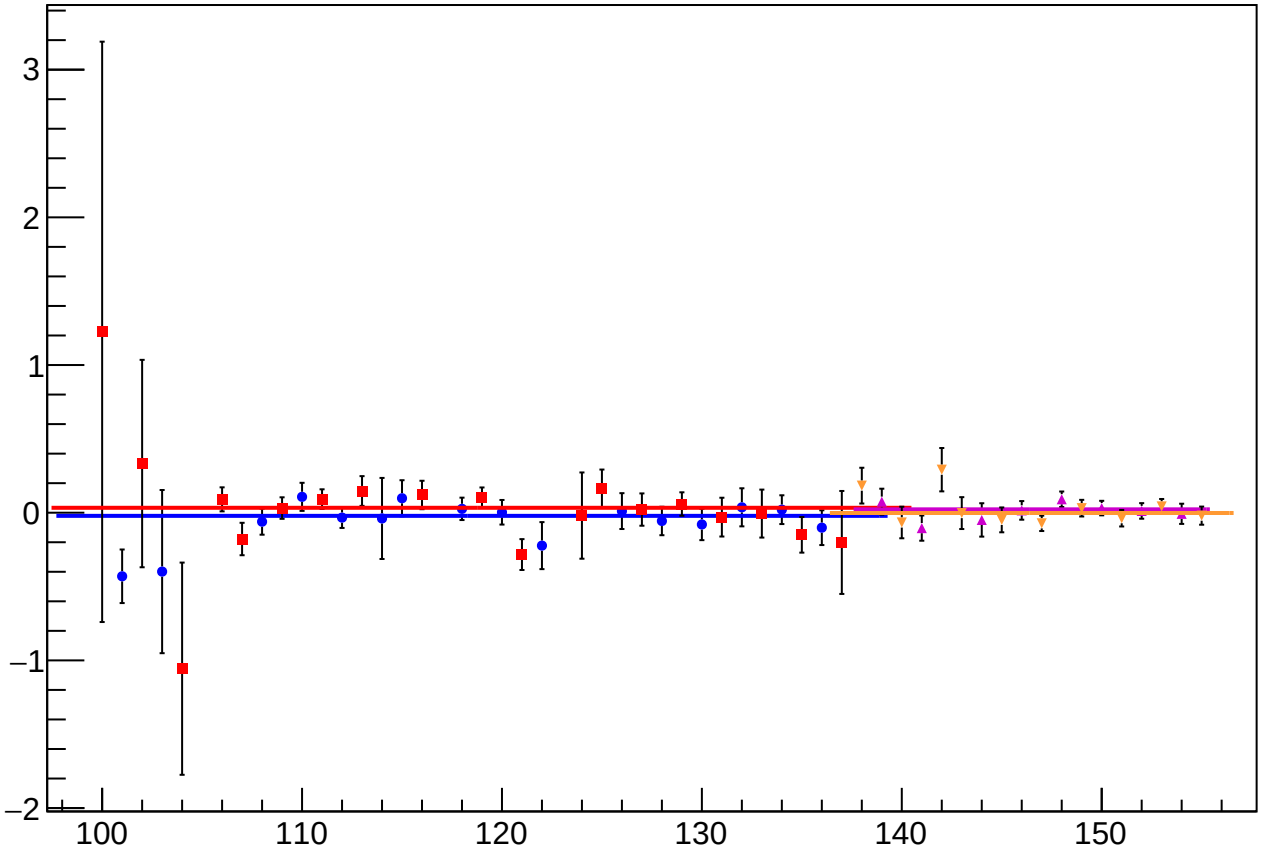
Left In: 55.162+/-0.016 χ^2/NDF:890341.3/7

+ sign 57.783+/-0.012 χ^2/NDF: 3266659.2/25

All: 56.624+/-0.008 χ^2/NDF: 6767791.5/52

- sign 55.494+/-0.012 χ^2/NDF: 3482514.9/26

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: -0.002+/-0.022 χ^2/NDF:10.4/9

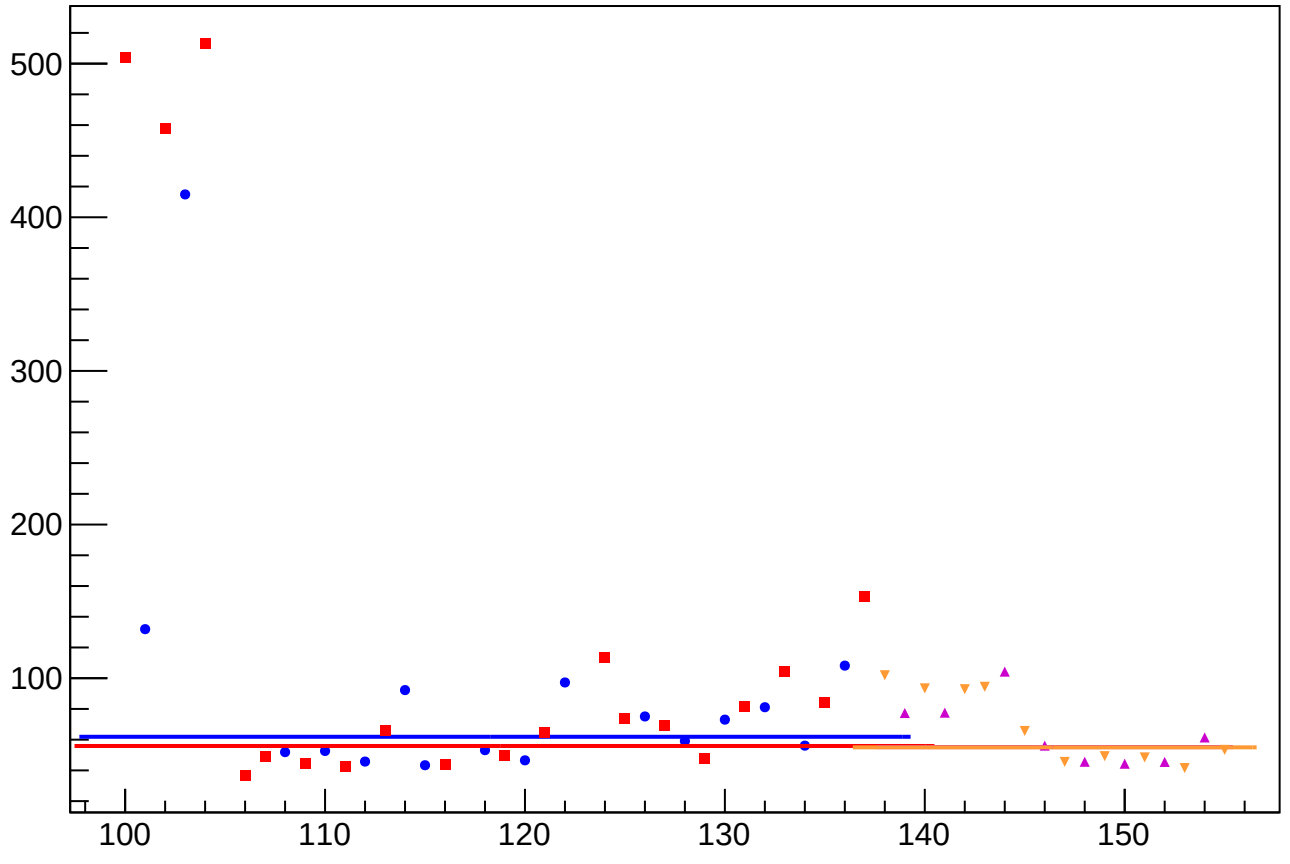
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.023+/-0.023 χ^2/NDF:5.0/7

+ sign -0.010+/-0.017 χ^2/NDF: 22.7/25

All: 0.009+/-0.012 χ^2/NDF: 54.6/52

- sign 0.028+/-0.017 χ^2/NDF: 29.4/26



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.008+/-0.015 χ^2/NDF:1249055.9/9

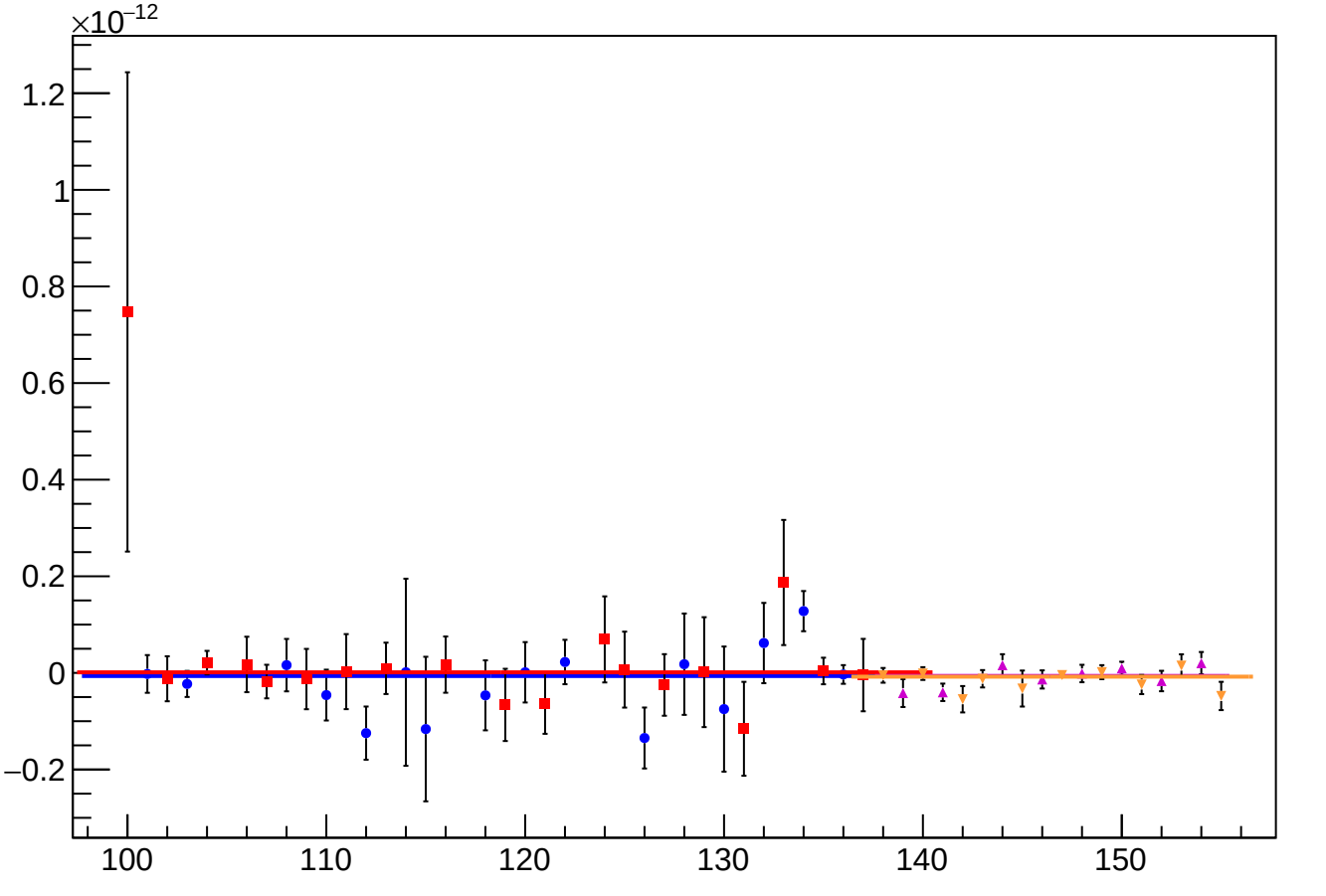
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.162+/-0.016 χ^2/NDF:890341.3/7

+ sign 57.783+/-0.012 χ^2/NDF: 3266659.2/25

All: 56.624+/-0.008 χ^2/NDF: 6767791.5/52

- sign 55.494+/-0.012 χ^2/NDF: 3482514.9/26



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/9

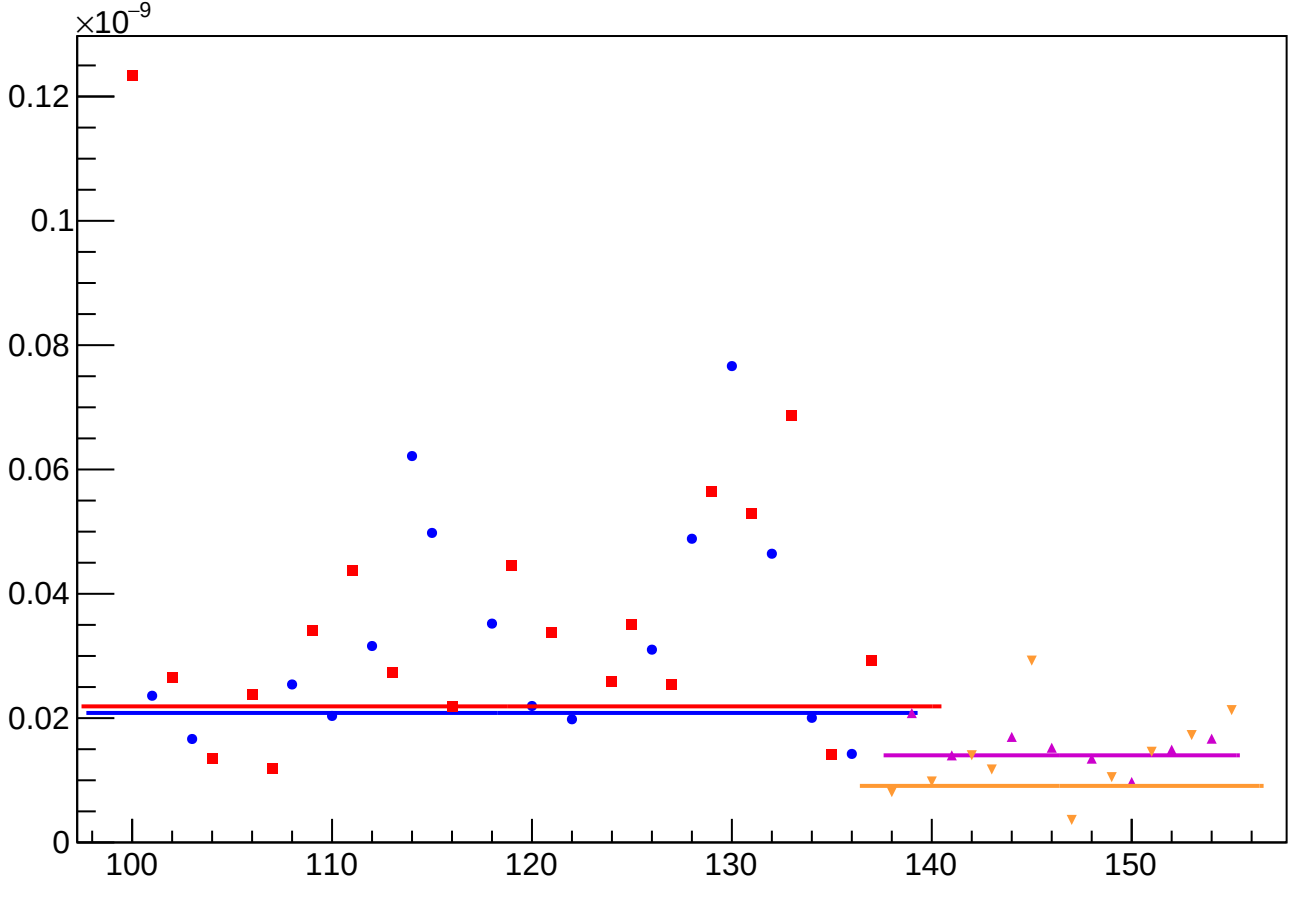
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/7

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/25

All: -0.000+/-0.000 χ^2/NDF: 49.6/52

- sign -0.000+/-0.000 χ^2/NDF: 19.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2330913.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

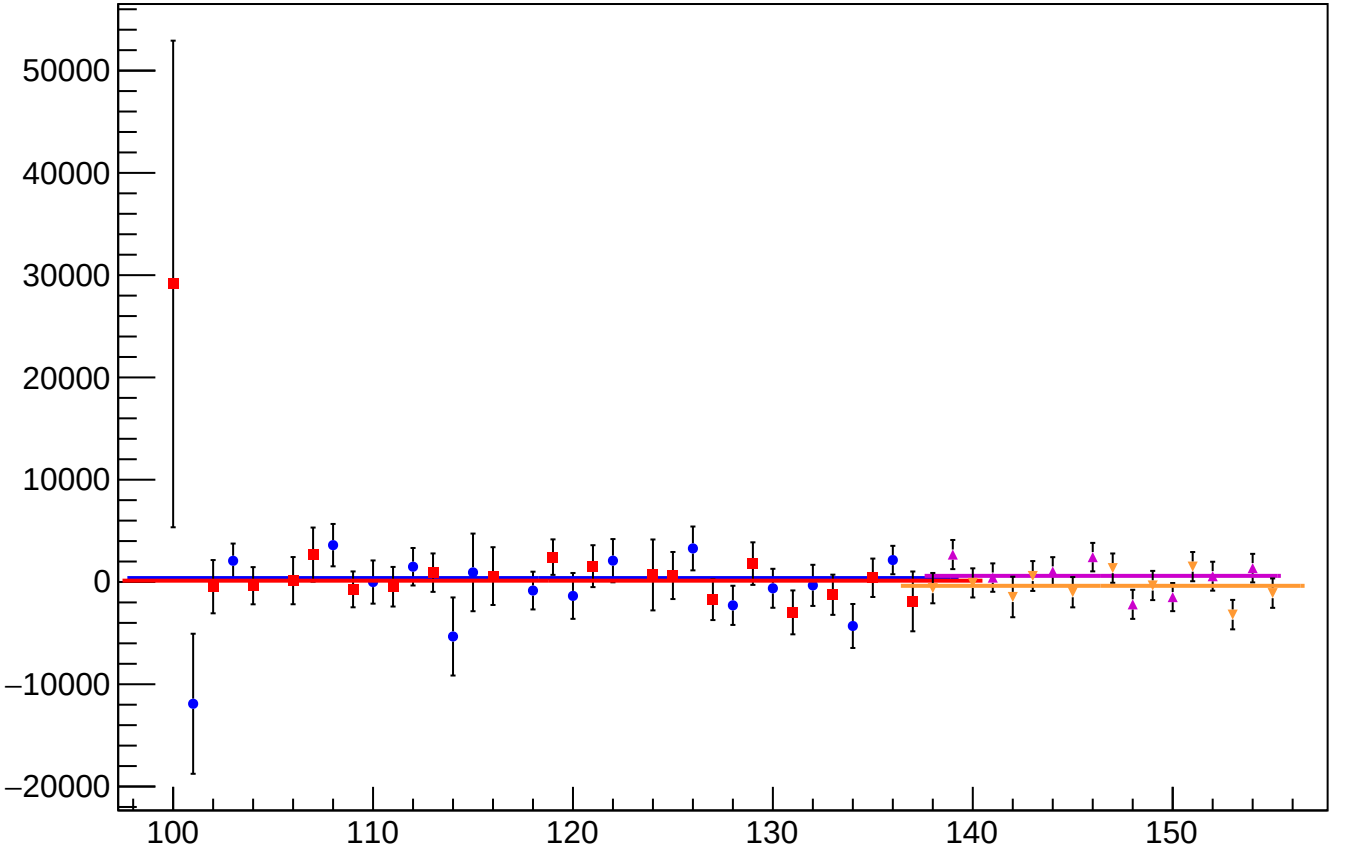
Left In: 0.000+/-0.000 χ^2/NDF:381127.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 5521869.4/25

All: 0.000+/-0.000 χ^2/NDF: 9338334.1/52

- sign 0.000+/-0.000 χ^2/NDF: 2947379.9/26

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -376.097+/-468.188 χ^2/NDF:8.2/9

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

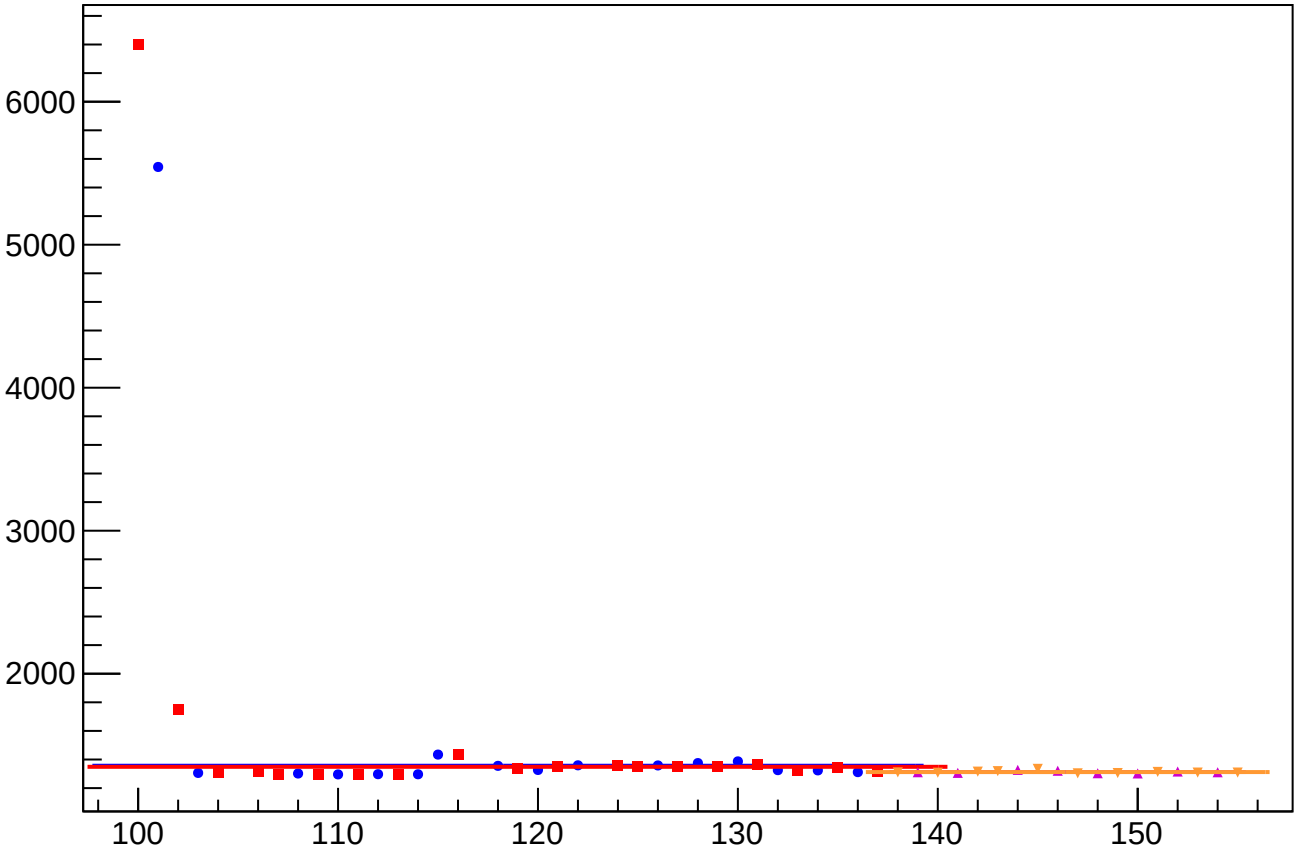
Left In: 598.229+/-495.360 χ^2/NDF:10.4/7

+ sign -35.358+/-347.274 χ^2/NDF: 30.9/25

All: 162.338+/-247.299 χ^2/NDF: 52.4/52

- sign 365.735+/-352.246 χ^2/NDF: 20.8/26

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.243+/-0.331 χ^2/NDF:670.7/9

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

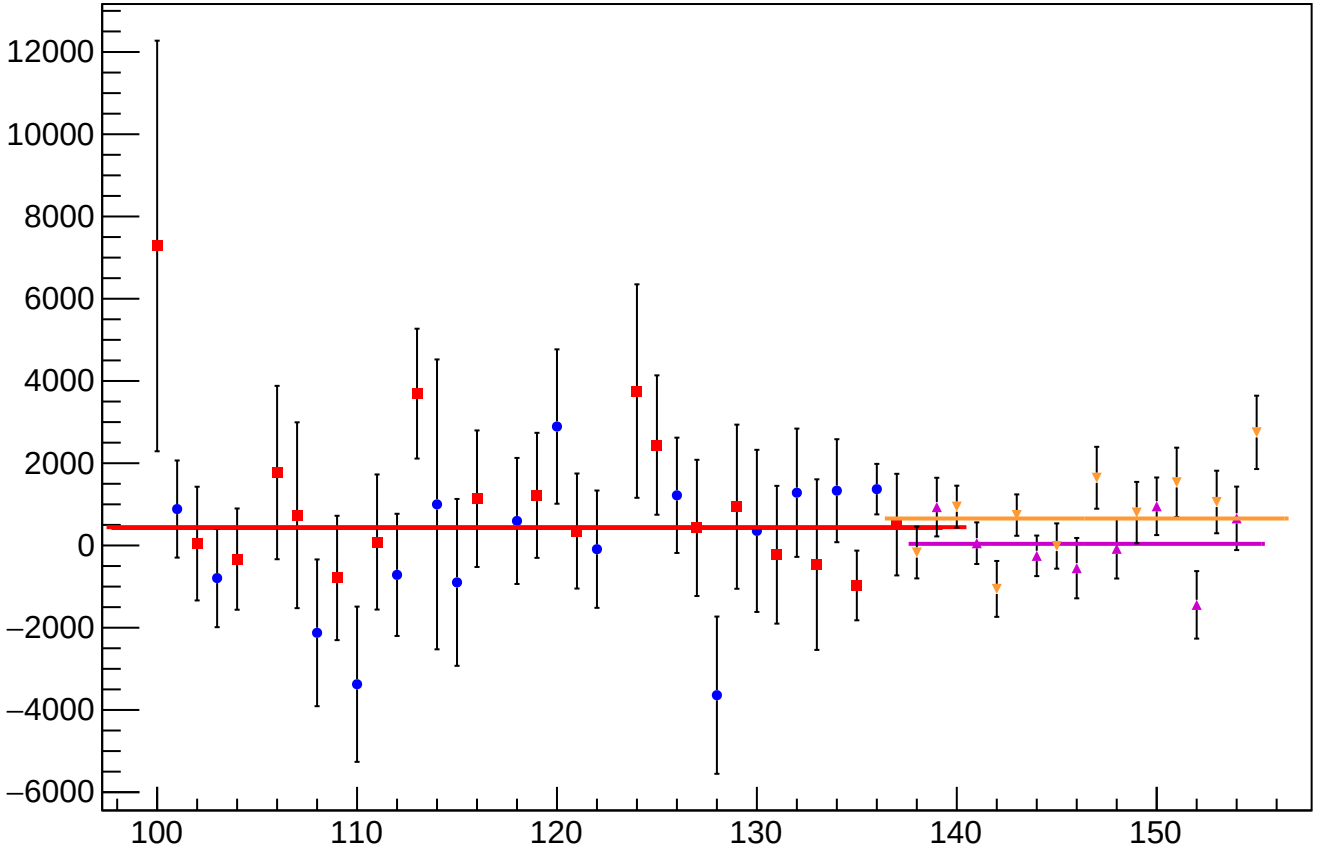
Left In: 1312.584+/-0.350 χ^2/NDF:540.5/7

+ sign 1332.104+/-0.246 χ^2/NDF: 768938.6/25

All: 1331.350+/-0.175 χ^2/NDF: 922099.6/52

- sign 1330.574+/-0.249 χ^2/NDF: 153141.8/26

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 655.828+/-205.284 χ^2/NDF:18.5/9

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

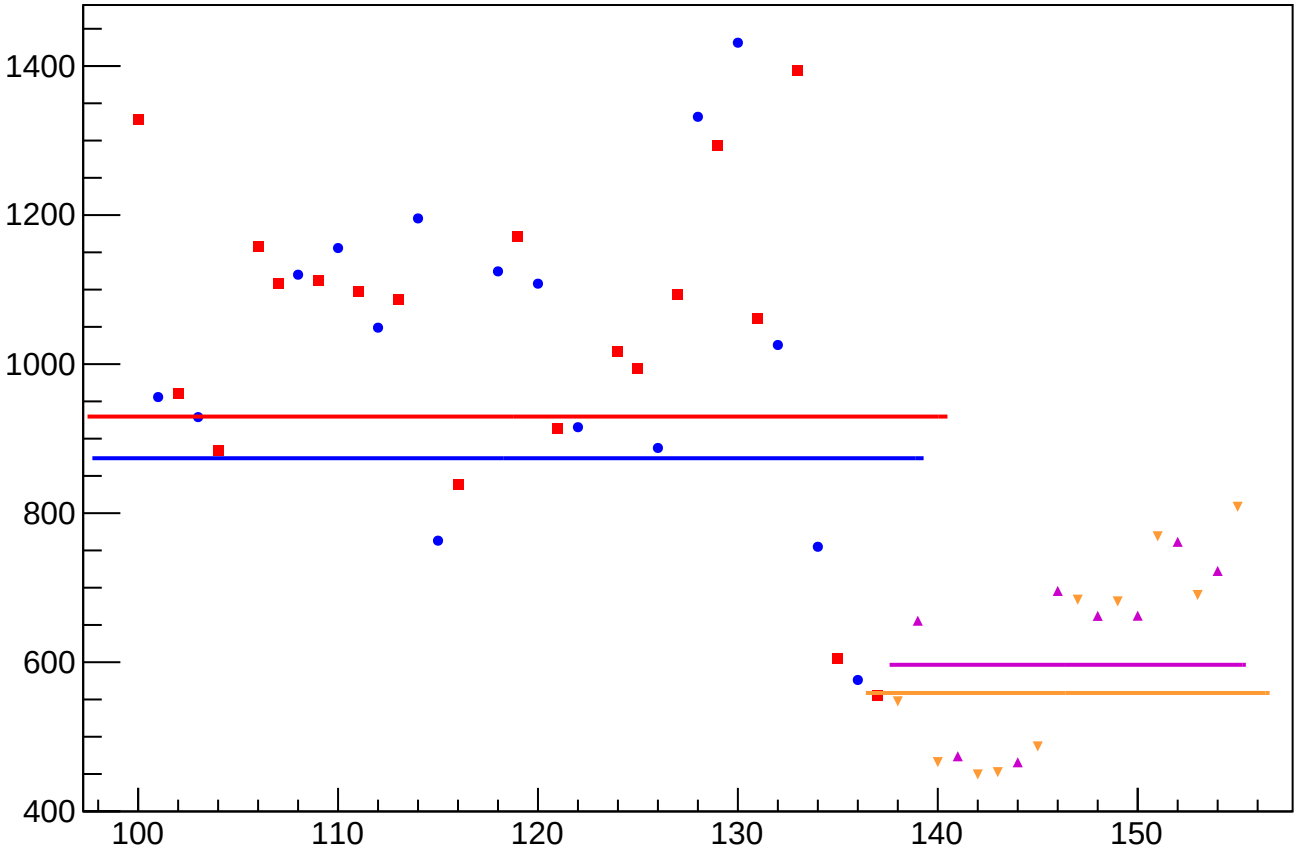
Left In: 39.342+/-229.697 χ^2/NDF:8.2/7

+ sign 595.192+/-175.522 χ^2/NDF: 37.1/25

All: 397.511+/-129.836 χ^2/NDF: 63.4/52

- sign 158.640+/-192.944 χ^2/NDF: 23.5/26

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 558.742+/-0.145 χ^2/NDF:692201.1/9

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

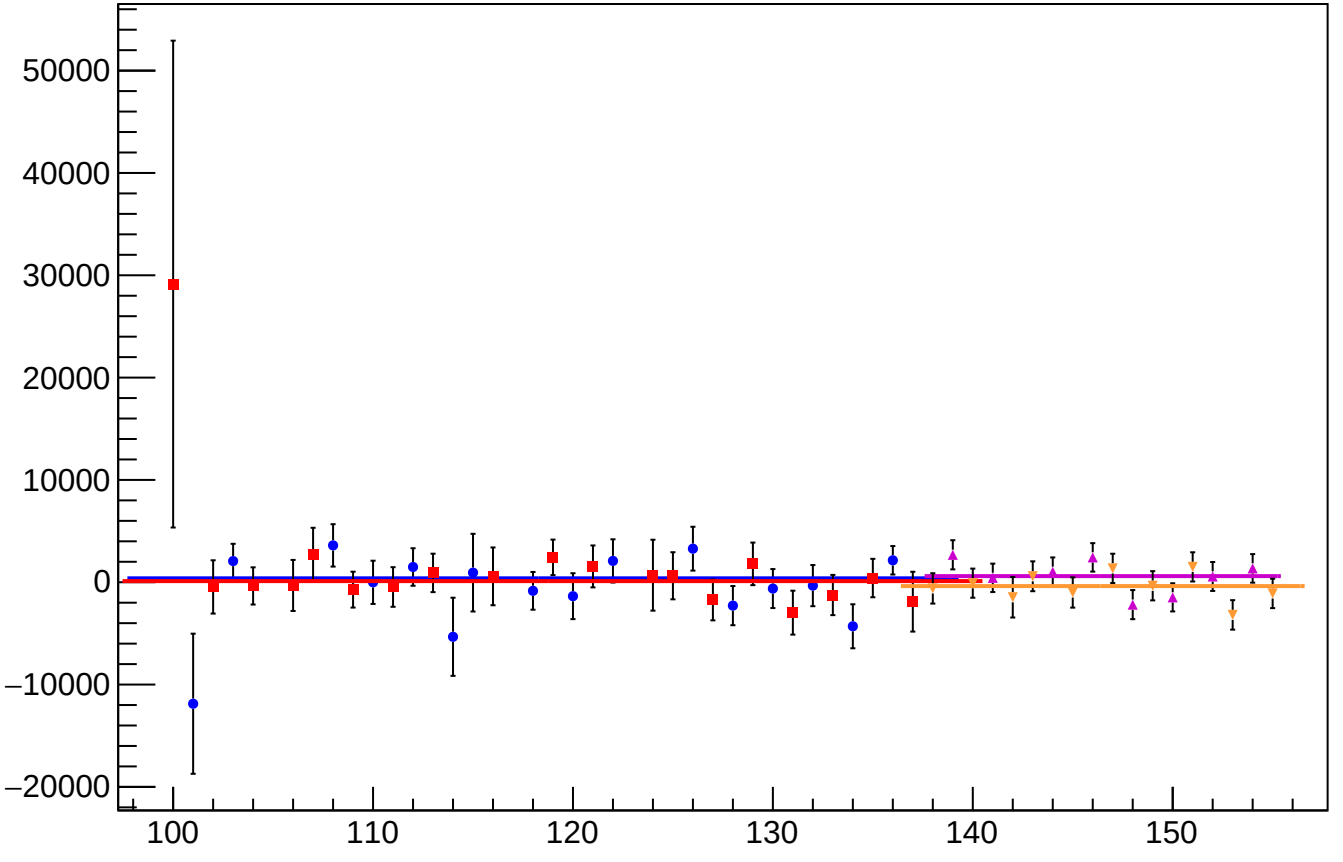
Left In: 596.539+/-0.162 χ^2/NDF:476902.1/7

+ sign 643.455+/-0.124 χ^2/NDF: 2973444.4/25

All: 666.618+/-0.092 χ^2/NDF: 5625469.8/52

- sign 694.606+/-0.136 χ^2/NDF: 2575113.3/26

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -376.144+/-468.188 χ^2/NDF:8.2/9

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

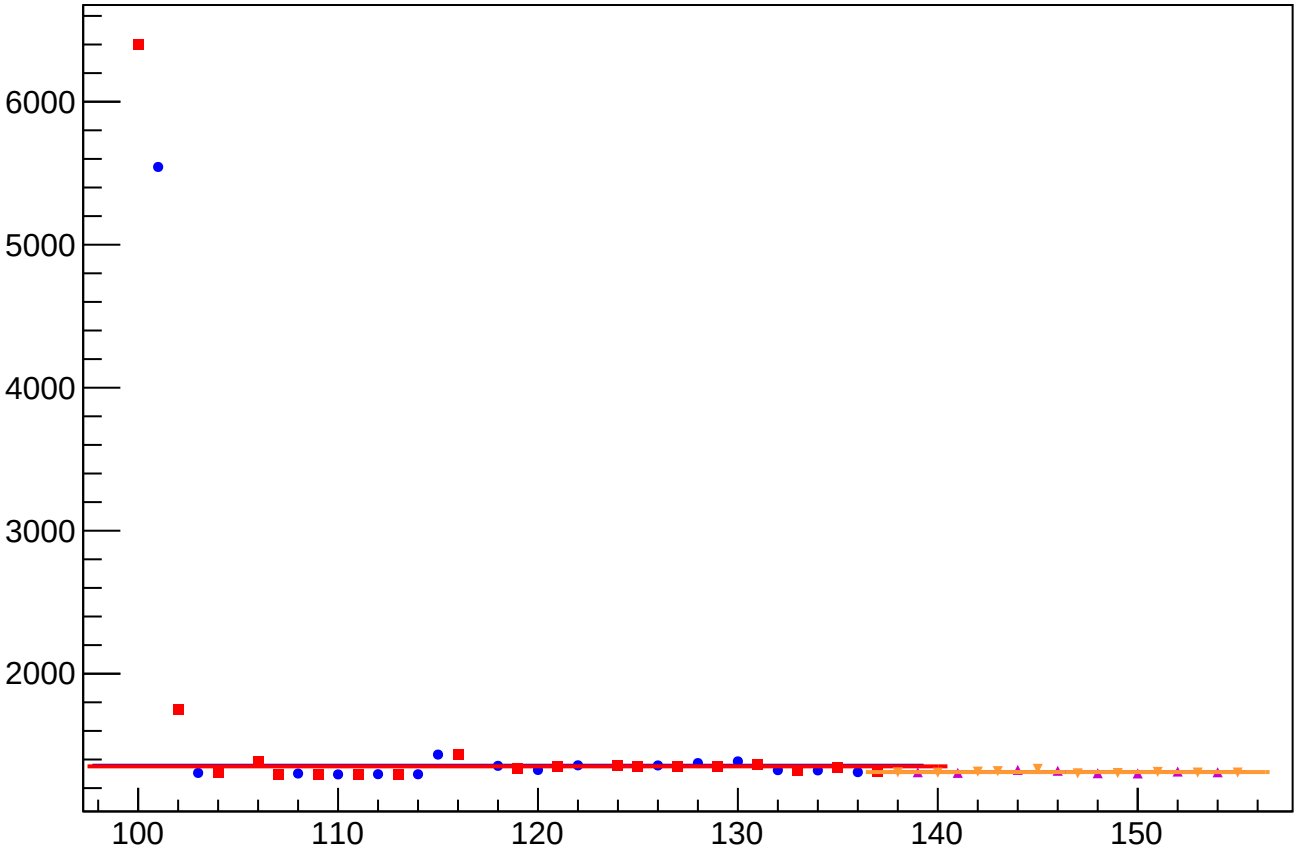
Left In: 598.272+/-495.360 χ^2/NDF:10.4/7

\+ sign -35.245+/-347.274 χ^2/NDF: 30.9/25

All: 158.185+/-247.504 χ^2/NDF: 52.4/52

\- sign 357.864+/-352.838 χ^2/NDF: 20.9/26

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.243+/-0.331 χ^2/NDF:670.7/9

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

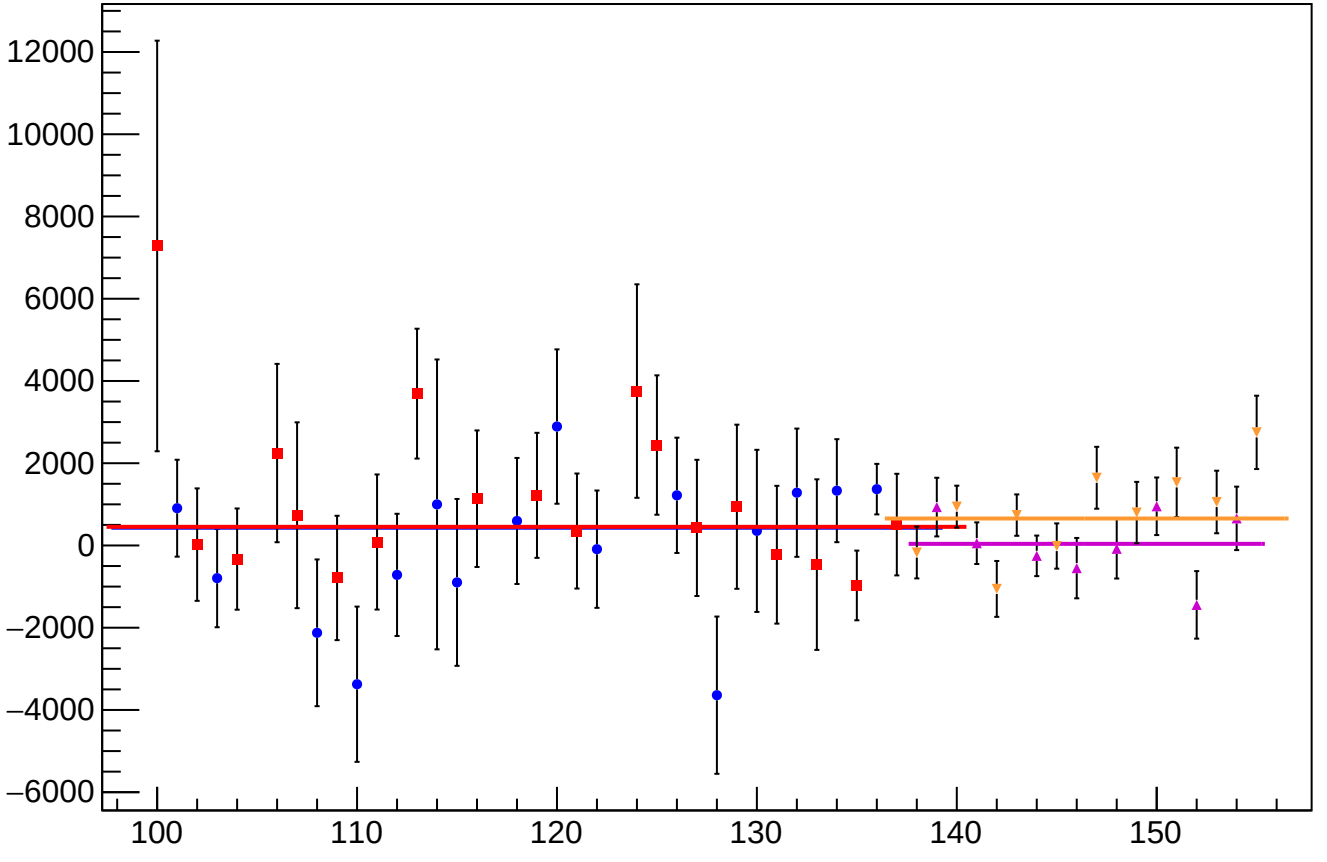
Left In: 1312.585+/-0.350 χ^2/NDF:540.5/7

+ sign 1332.104+/-0.246 χ^2/NDF: 768937.7/25

All: 1332.074+/-0.175 χ^2/NDF: 923069.4/52

- sign 1332.044+/-0.249 χ^2/NDF: 154131.7/26

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 655.757+/-205.286 χ^2/NDF:18.5/9

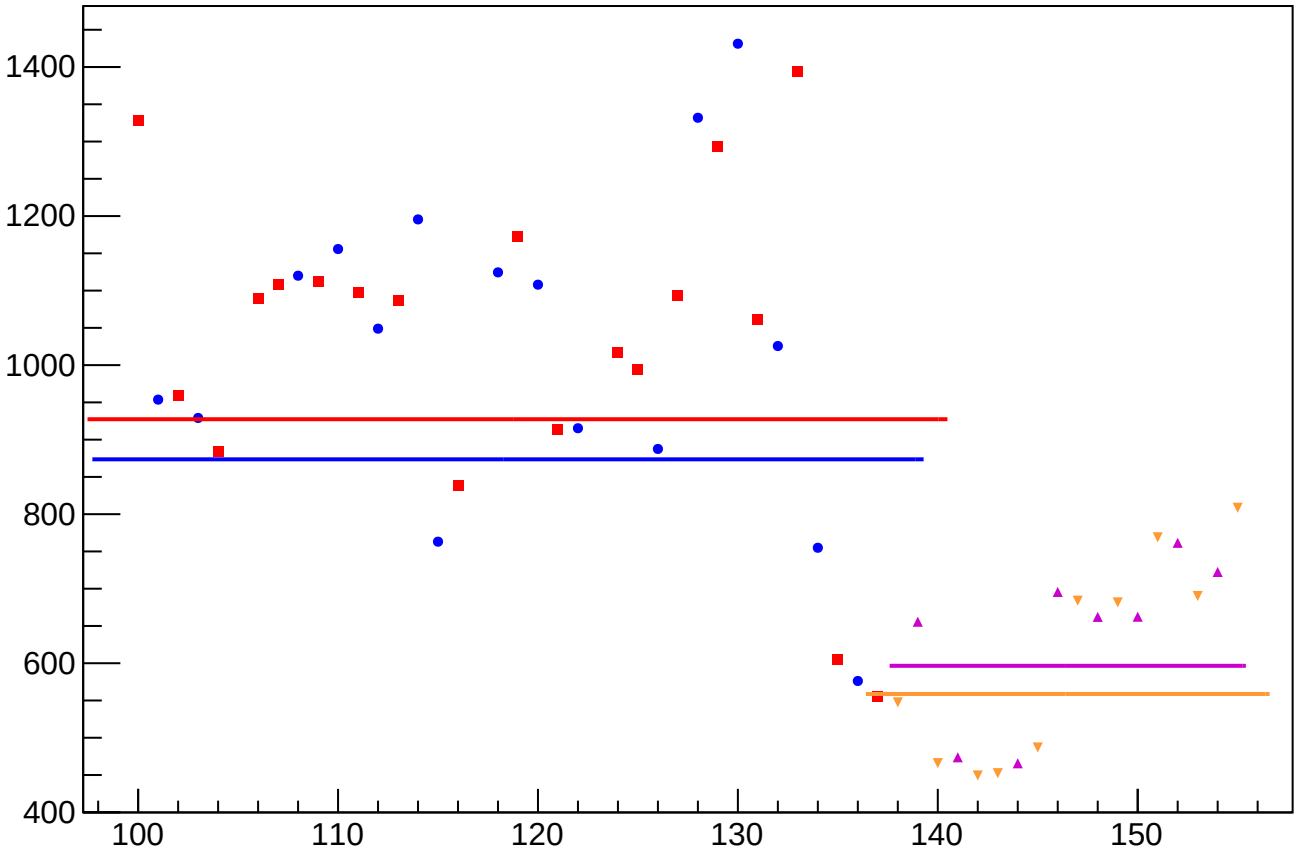
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 39.289+/-229.694 χ^2/NDF:8.2/7

+ sign 595.601+/-175.515 χ^2/NDF: 37.1/25

All: 398.854+/-129.833 χ^2/NDF: 63.7/52

- sign 161.096+/-192.943 χ^2/NDF: 23.9/26



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 558.747+/-0.145 χ^2/NDF:692189.5/9

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

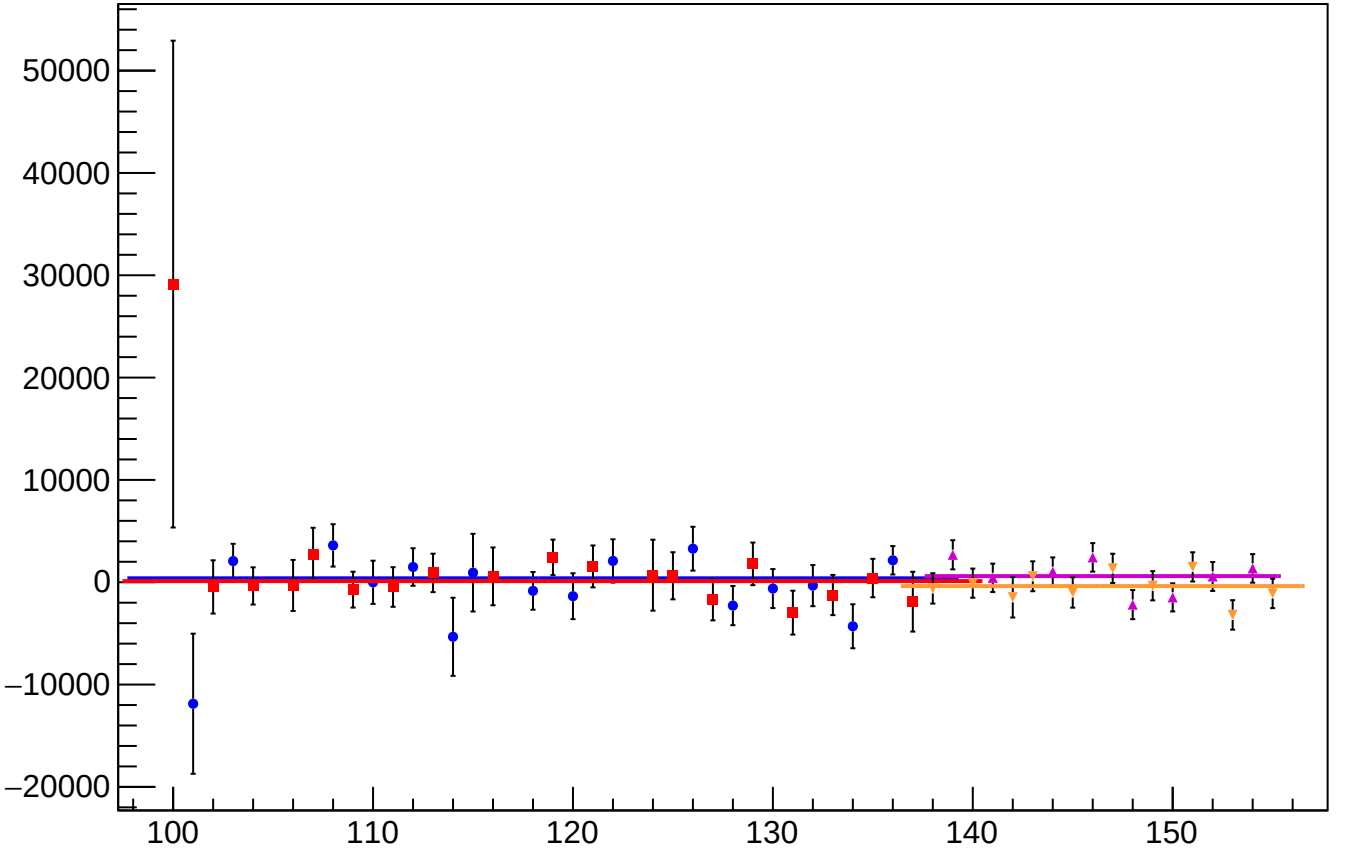
Left In: 596.529+/-0.162 χ^2/NDF:476946.0/7

+ sign 643.446+/-0.124 χ^2/NDF: 2972233.9/25

All: 666.310+/-0.092 χ^2/NDF: 5593321.5/52

- sign 693.939+/-0.136 χ^2/NDF: 2546135.7/26

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -376.144+/-468.188 χ^2/NDF:8.2/9

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

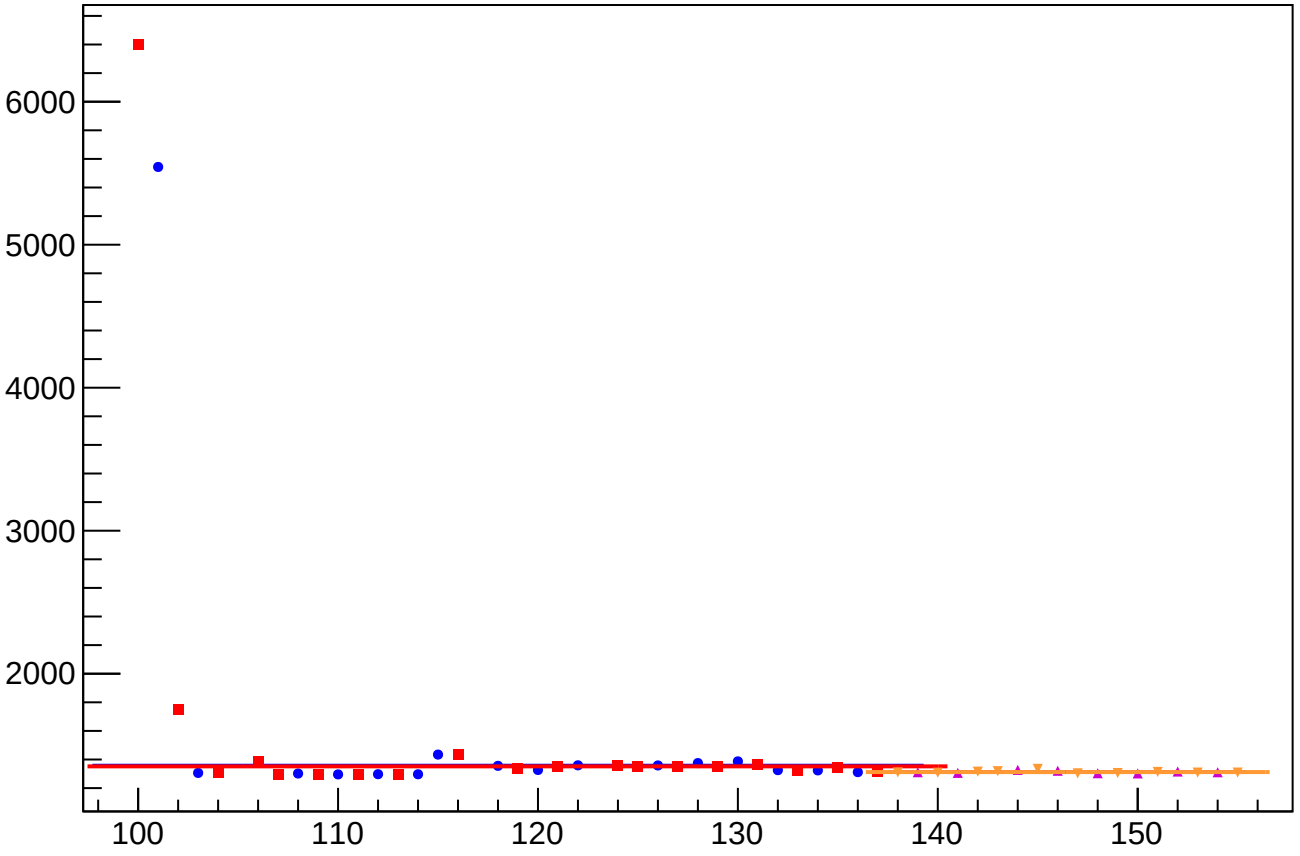
Left In: 598.272+/-495.360 χ^2/NDF:10.4/7

+ sign -35.245+/-347.274 χ^2/NDF: 30.9/25

All: 158.185+/-247.504 χ^2/NDF: 52.4/52

- sign 357.864+/-352.838 χ^2/NDF: 20.9/26

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.243+/-0.331 χ^2/NDF:670.7/9

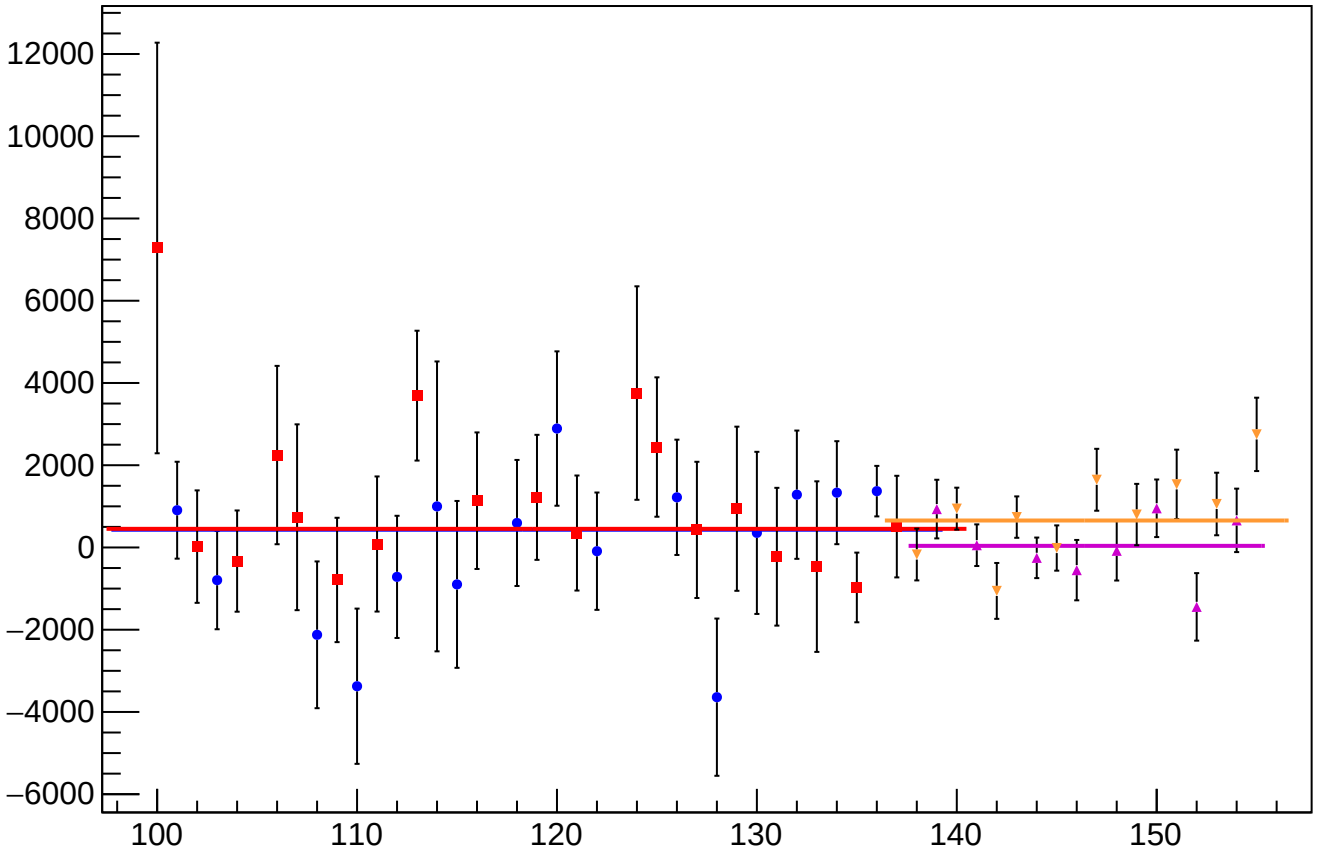
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.585+/-0.350 χ^2/NDF:540.5/7

+ sign 1332.104+/-0.246 χ^2/NDF: 768937.7/25

All: 1332.074+/-0.175 χ^2/NDF: 923069.4/52

- sign 1332.044+/-0.249 χ^2/NDF: 154131.7/26



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 655.757+/-205.286 χ^2/NDF:18.5/9

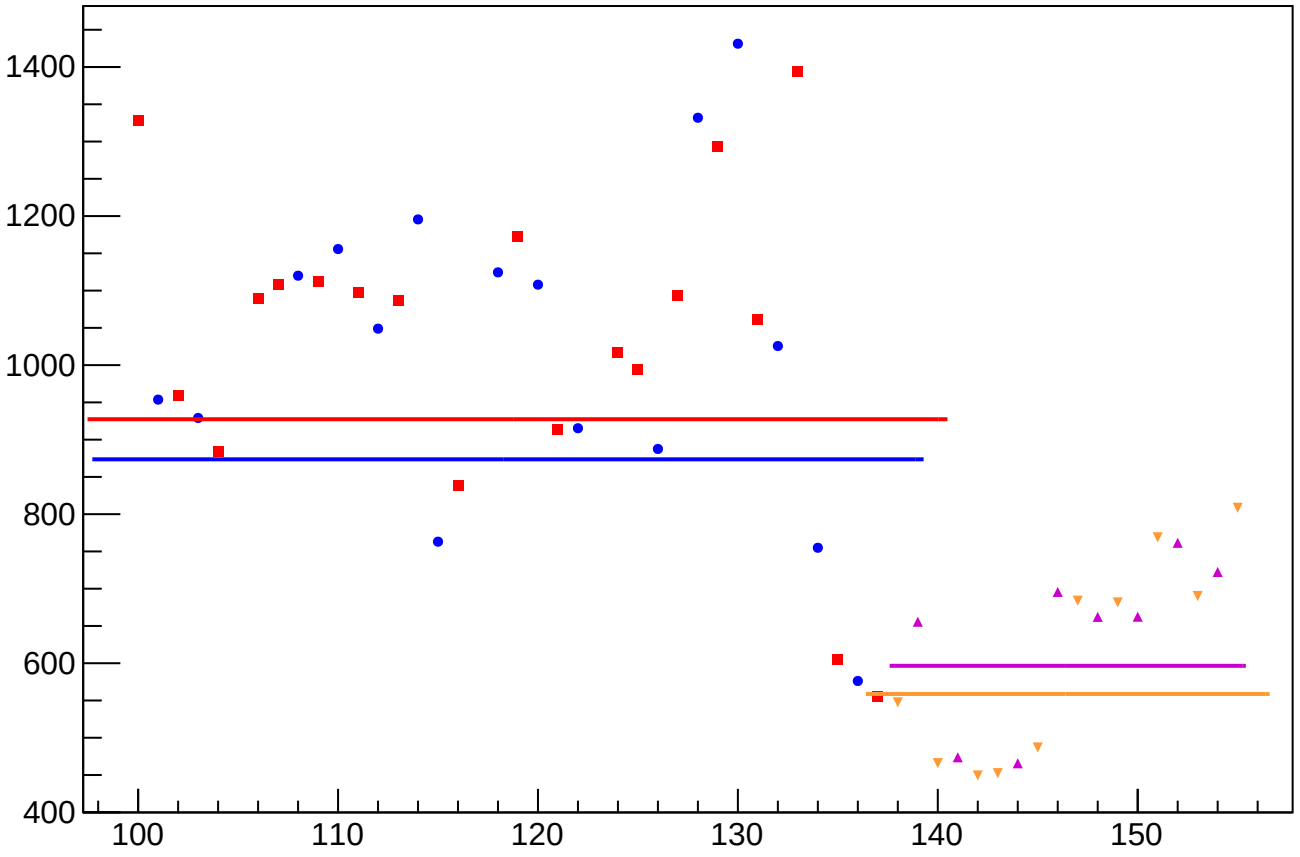
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 39.289+/-229.694 χ^2/NDF:8.2/7

+ sign 595.601+/-175.515 χ^2/NDF: 37.1/25

All: 398.854+/-129.833 χ^2/NDF: 63.7/52

- sign 161.096+/-192.943 χ^2/NDF: 23.9/26



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 558.747+/-0.145 χ^2/NDF:692189.5/9

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

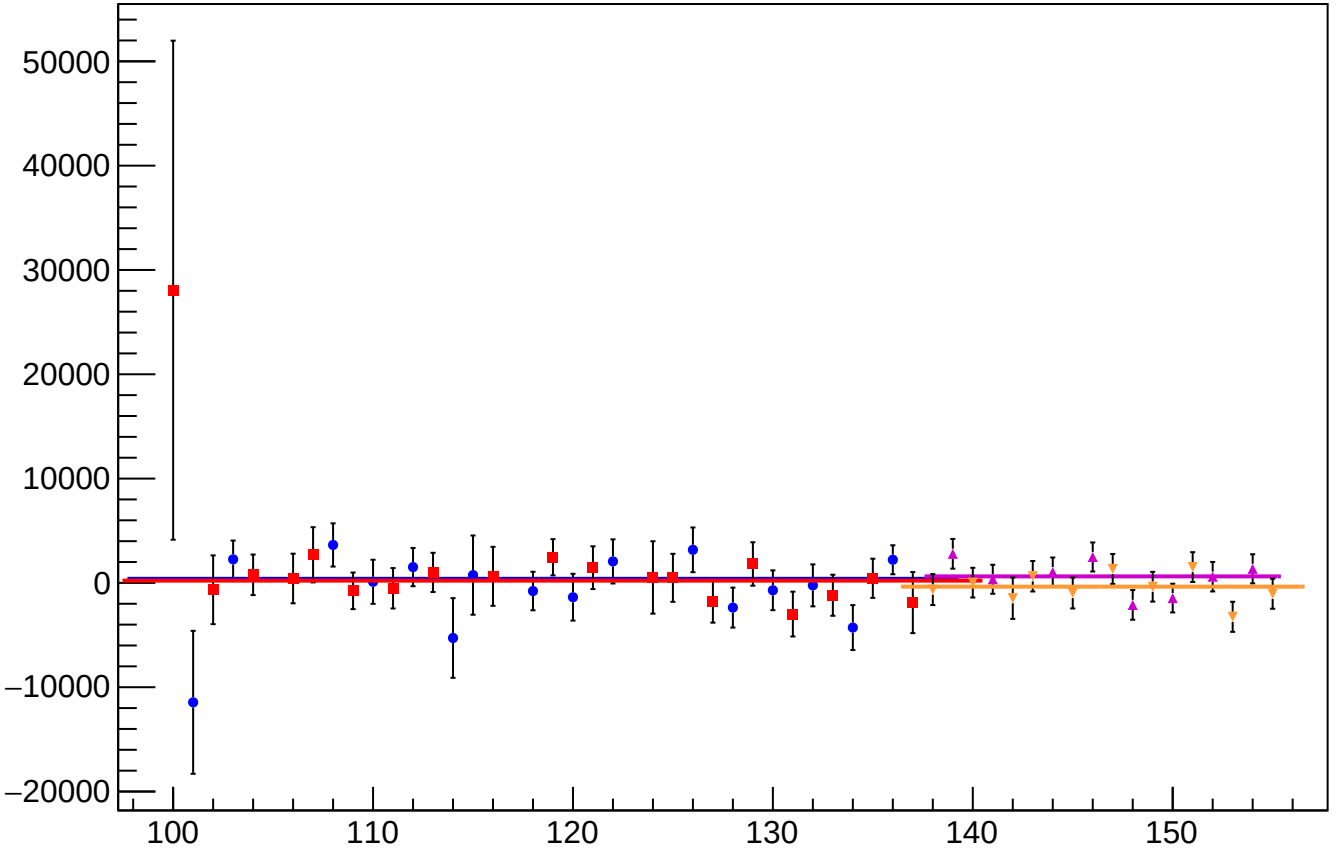
Left In: 596.529+/-0.162 χ^2/NDF:476946.0/7

+ sign 643.446+/-0.124 χ^2/NDF: 2972233.9/25

All: 666.310+/-0.092 χ^2/NDF: 5593321.5/52

- sign 693.939+/-0.136 χ^2/NDF: 2546135.7/26

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -361.301+/-468.505 χ^2/NDF:8.4/9

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

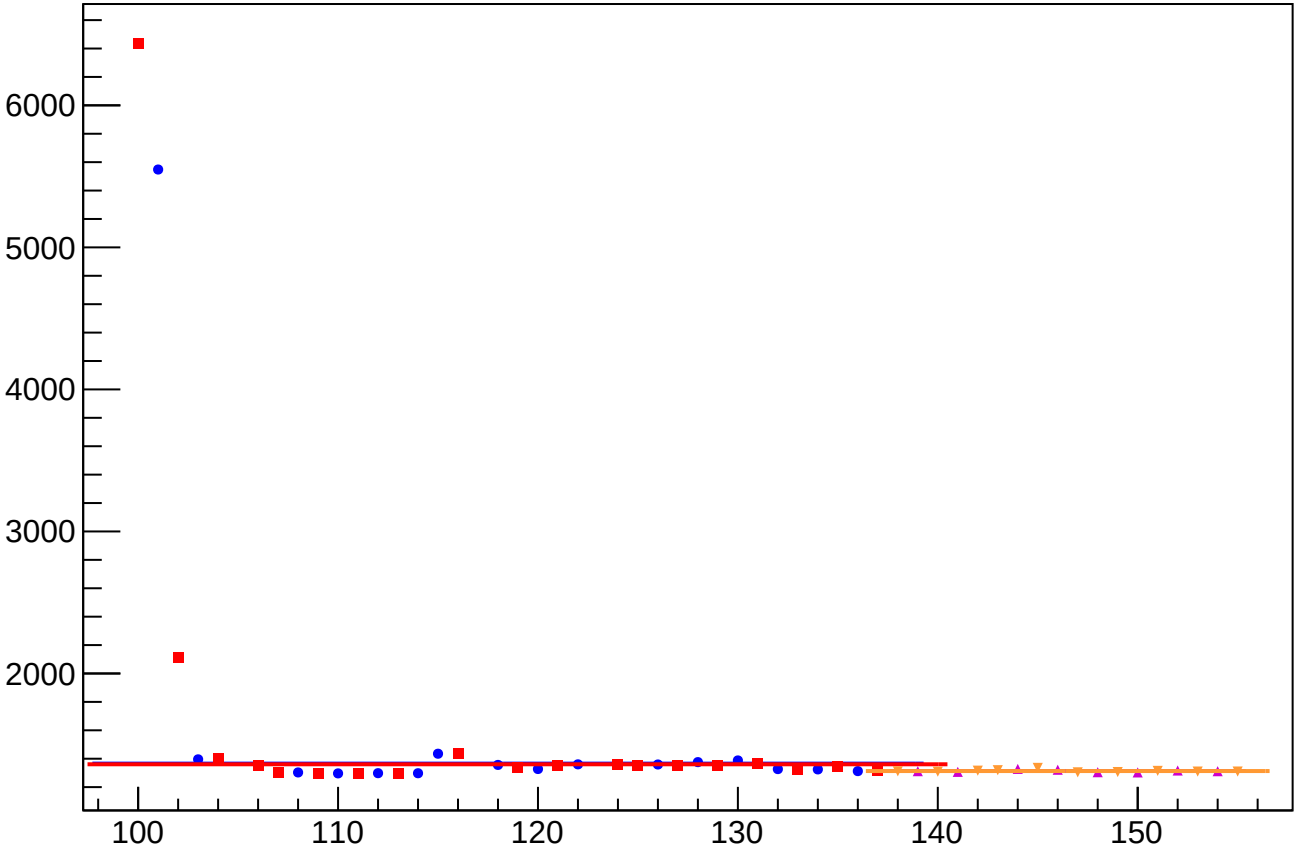
Left In: 624.821+/-495.697 χ^2/NDF:10.5/7

+ sign -25.532+/-348.416 χ^2/NDF: 31.0/25

All: 196.387+/-248.579 χ^2/NDF: 52.6/52

- sign 426.457+/-354.756 χ^2/NDF: 20.8/26

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.134+/-0.331 χ^2/NDF:661.2/9

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

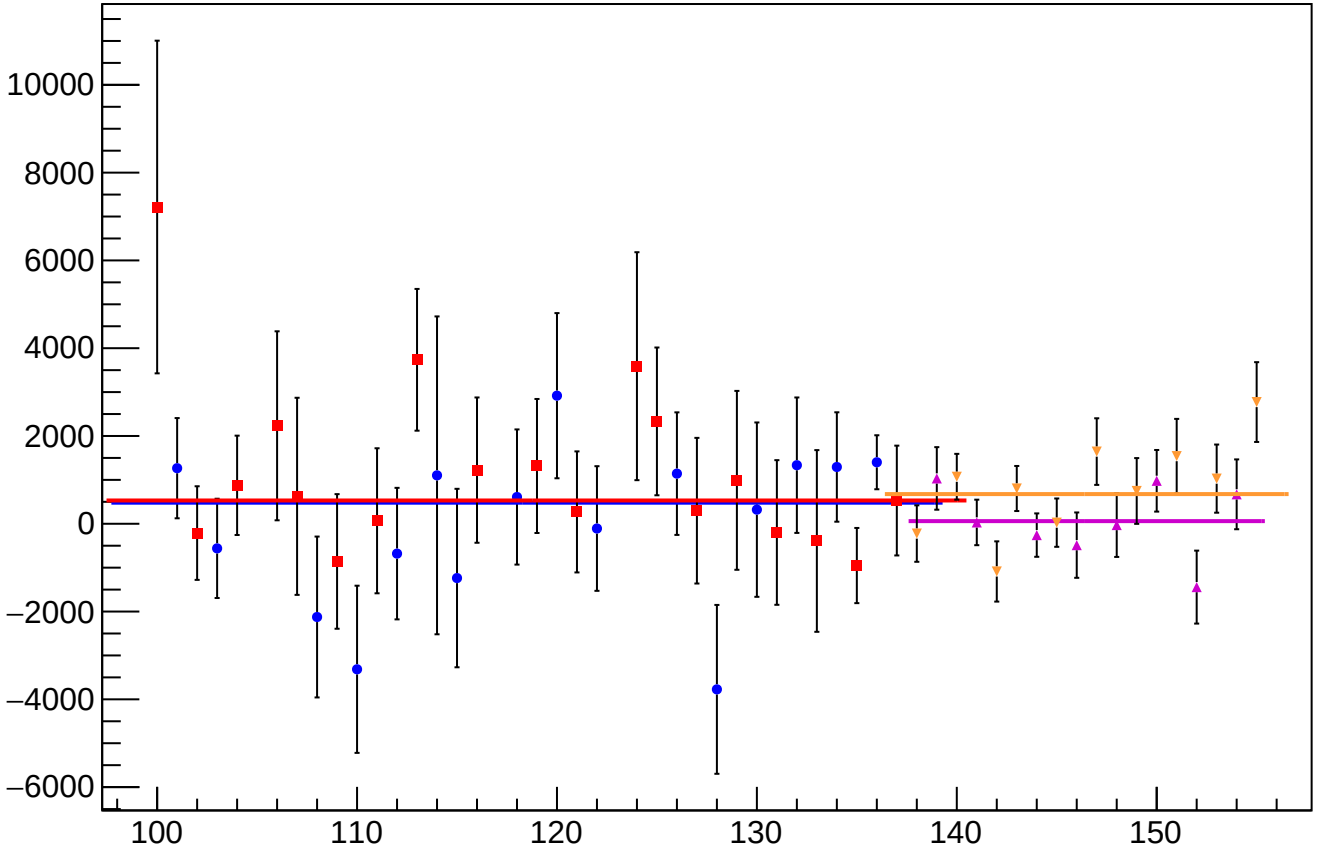
Left In: 1313.477+/-0.351 χ^2/NDF:533.3/7

+ sign 1336.450+/-0.246 χ^2/NDF: 770689.1/25

All: 1336.498+/-0.176 χ^2/NDF: 985418.5/52

- sign 1336.548+/-0.251 χ^2/NDF: 214729.3/26

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 676.137+/-208.164 χ^2/NDF:18.8/9

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

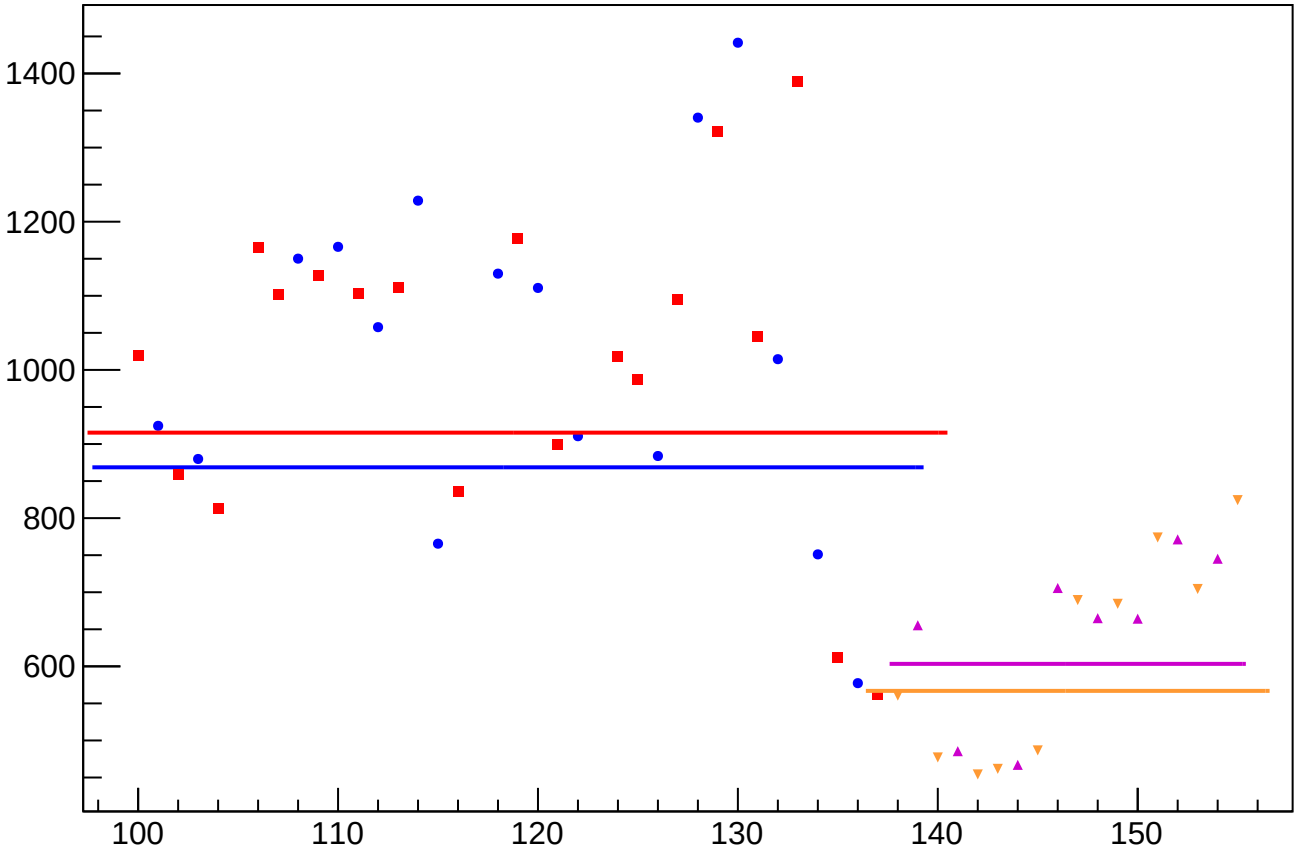
Left In: 60.140+/-232.257 χ^2/NDF:8.4/7

+ sign 621.968+/-177.032 χ^2/NDF: 37.6/25

All: 431.838+/-130.417 χ^2/NDF: 65.5/52

- sign 206.195+/-192.857 χ^2/NDF: 25.3/26

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 566.912+/-0.147 χ^2/NDF:683312.4/9

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

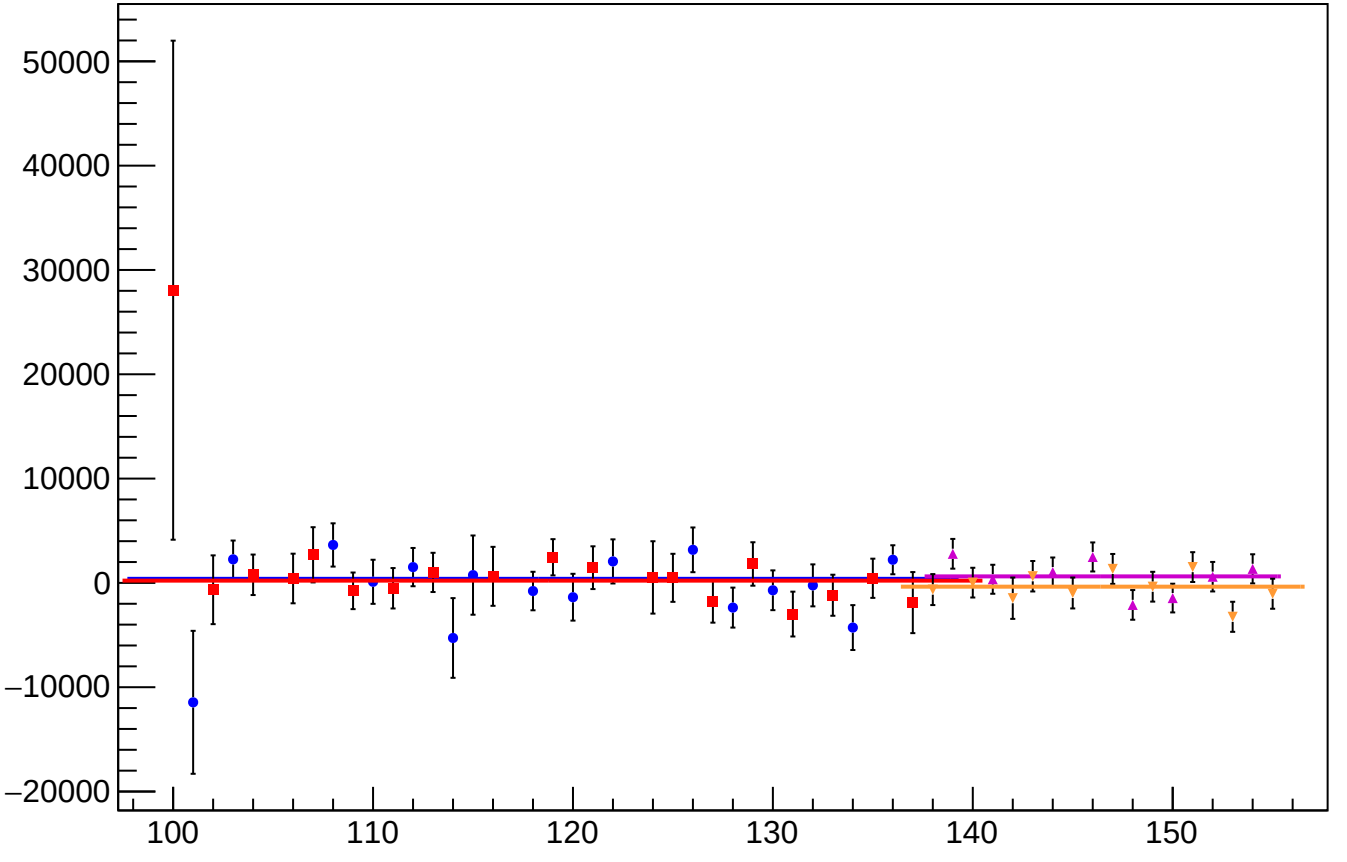
Left In: 603.347+/-0.164 χ^2/NDF:478465.1/7

+ sign 650.395+/-0.125 χ^2/NDF: 2866993.0/25

All: 673.182+/-0.092 χ^2/NDF: 5397549.7/52

- sign 700.226+/-0.136 χ^2/NDF: 2458093.3/26

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -361.301+/-468.505 χ^2/NDF:8.4/9

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

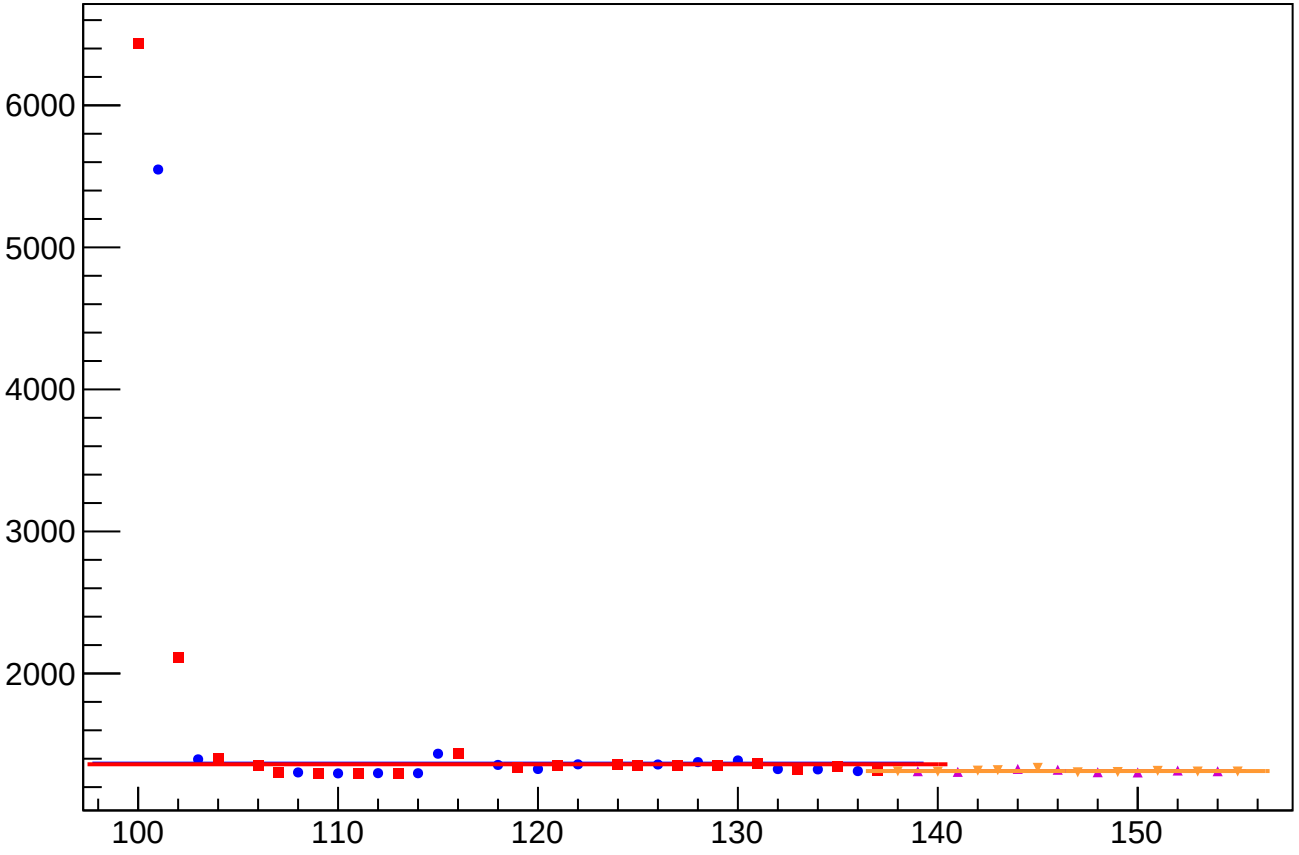
Left In: 624.821+/-495.697 χ^2/NDF:10.5/7

+ sign -25.532+/-348.416 χ^2/NDF: 31.0/25

All: 196.387+/-248.579 χ^2/NDF: 52.6/52

- sign 426.456+/-354.756 χ^2/NDF: 20.8/26

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.134+/-0.331 χ^2/NDF:661.2/9

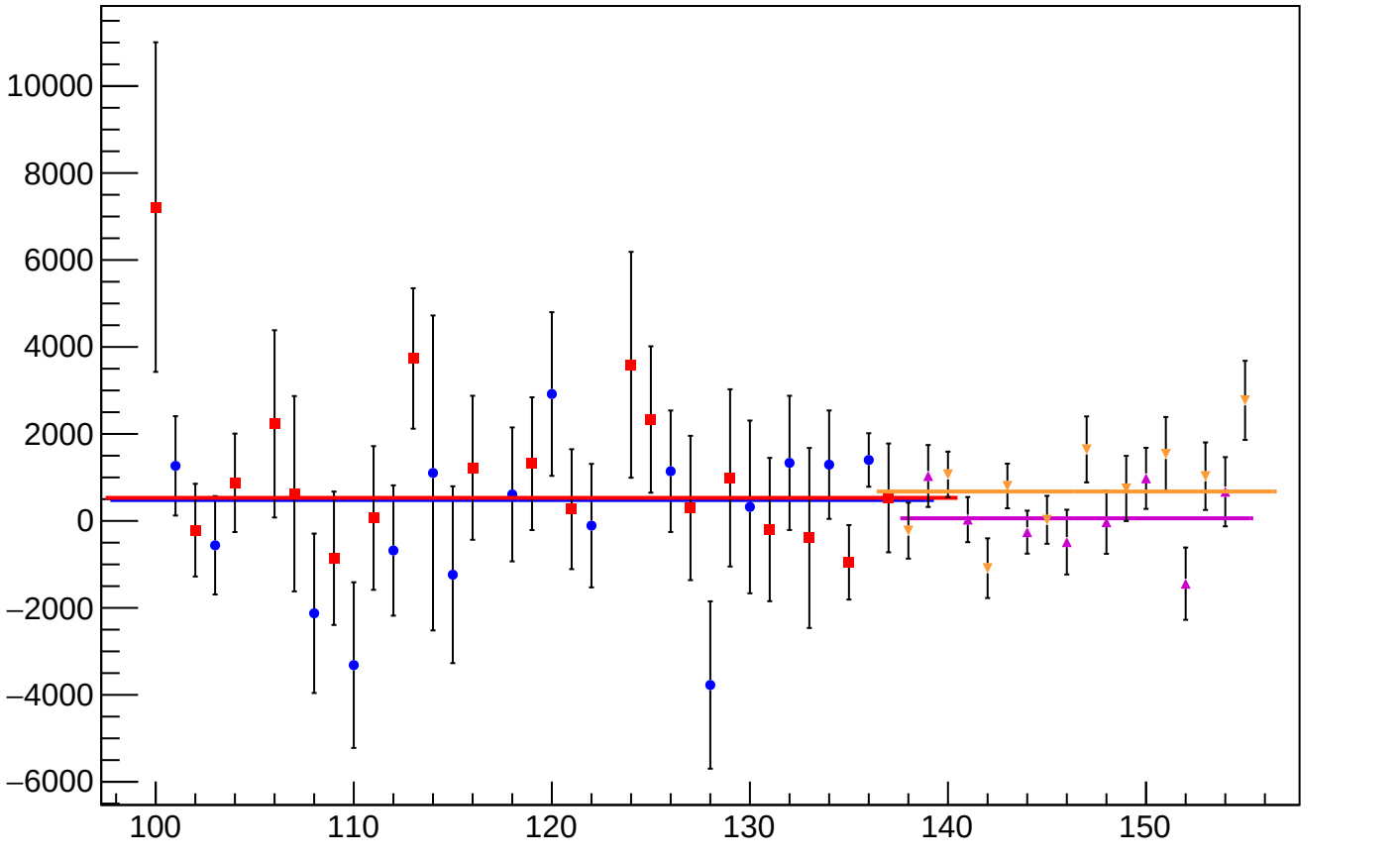
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1313.477+/-0.351 χ^2/NDF:533.3/7

+ sign 1336.450+/-0.246 χ^2/NDF: 770689.1/25

All: 1336.498+/-0.176 χ^2/NDF: 985418.4/52

- sign 1336.548+/-0.251 χ^2/NDF: 214729.3/26



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 676.137+/-208.164 χ^2/NDF:18.8/9

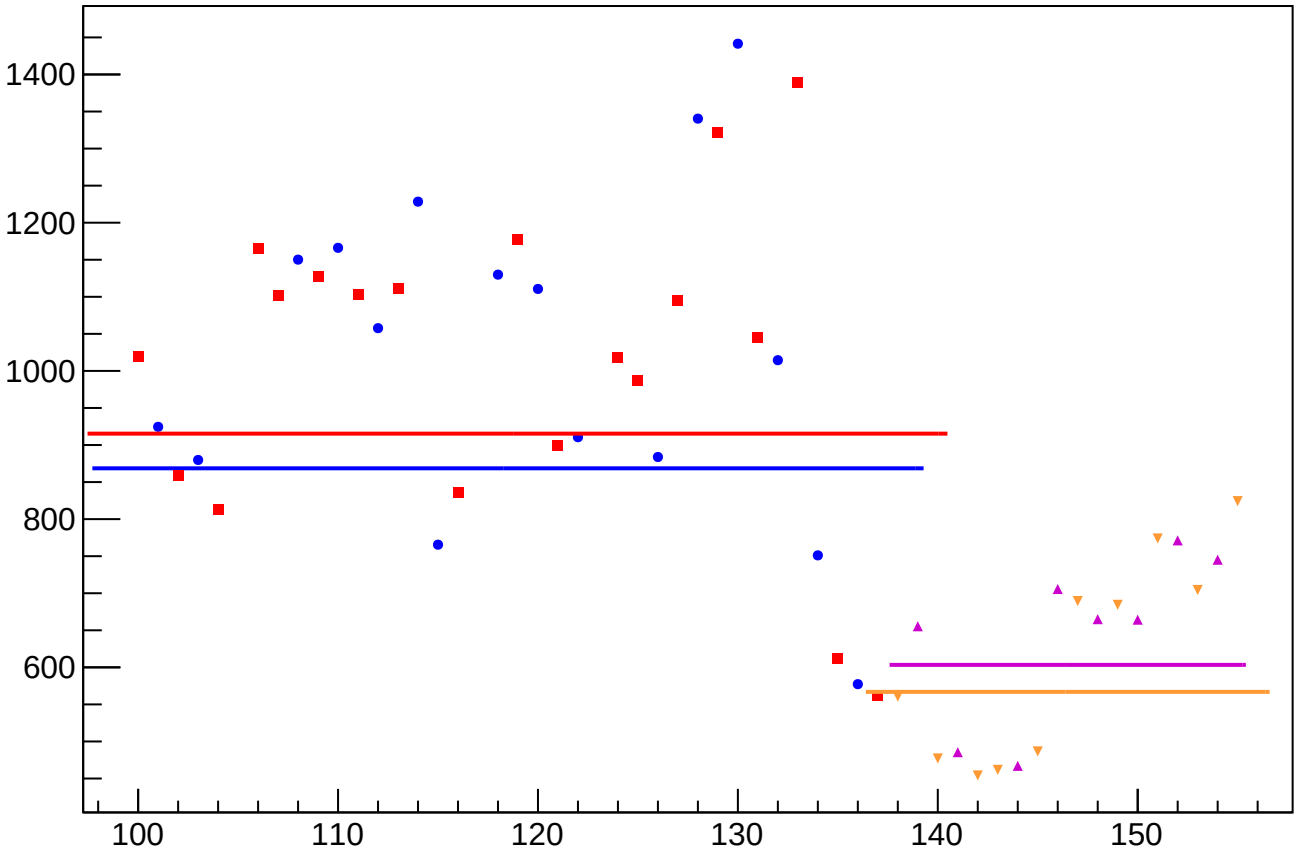
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 60.140+/-232.257 χ^2/NDF:8.4/7

\+ sign 621.968+/-177.032 χ^2/NDF: 37.6/25

All: 431.838+/-130.417 χ^2/NDF: 65.5/52

\- sign 206.196+/-192.857 χ^2/NDF: 25.3/26



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 566.912+/-0.147 χ^2/NDF:683320.7/9

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

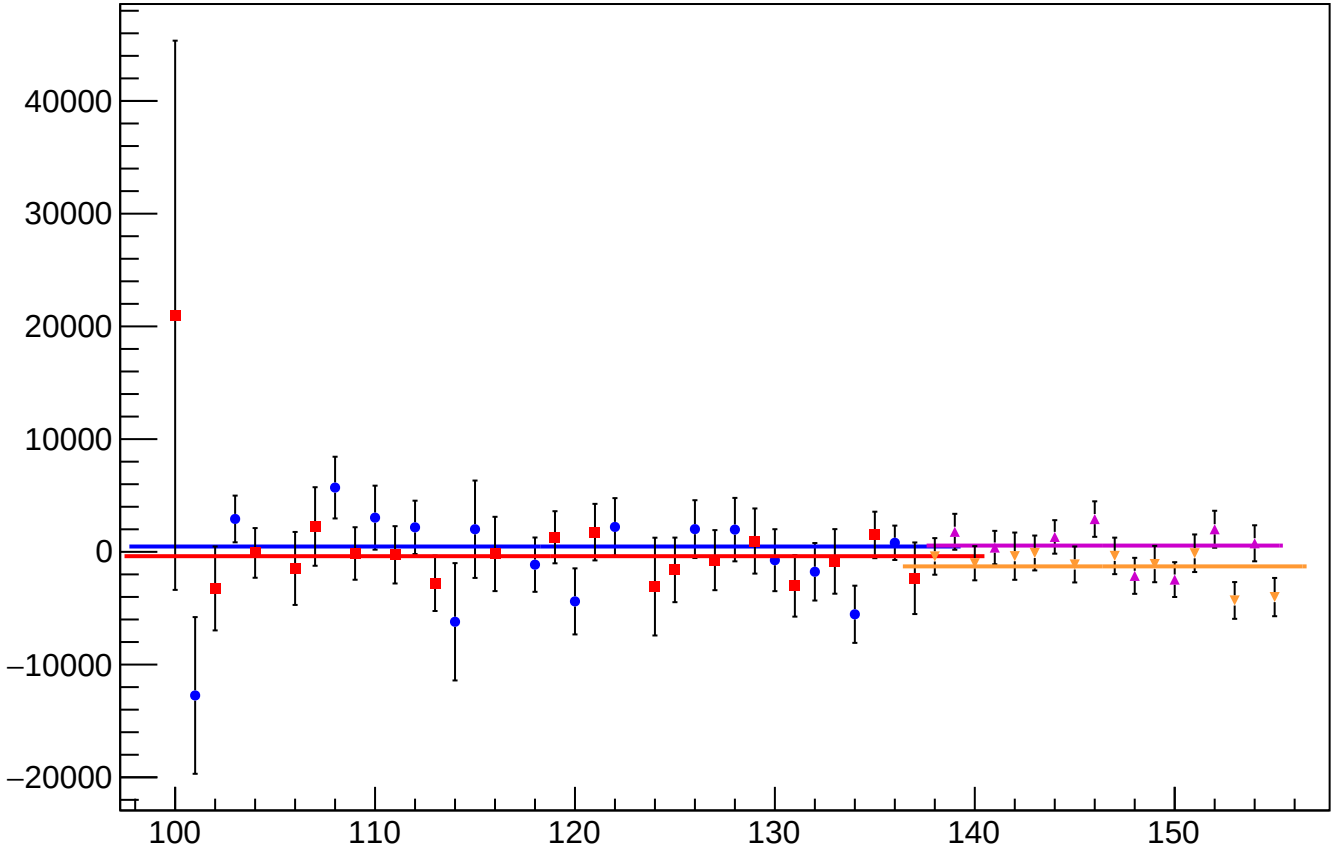
Left In: 603.347+/-0.164 χ^2/NDF:478468.9/7

+ sign 650.394+/-0.125 χ^2/NDF: 2866987.9/25

All: 673.182+/-0.092 χ^2/NDF: 5397535.3/52

- sign 700.226+/-0.136 χ^2/NDF: 2458081.5/26

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1289.589+/-519.855 χ^2/NDF:8.0/9

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

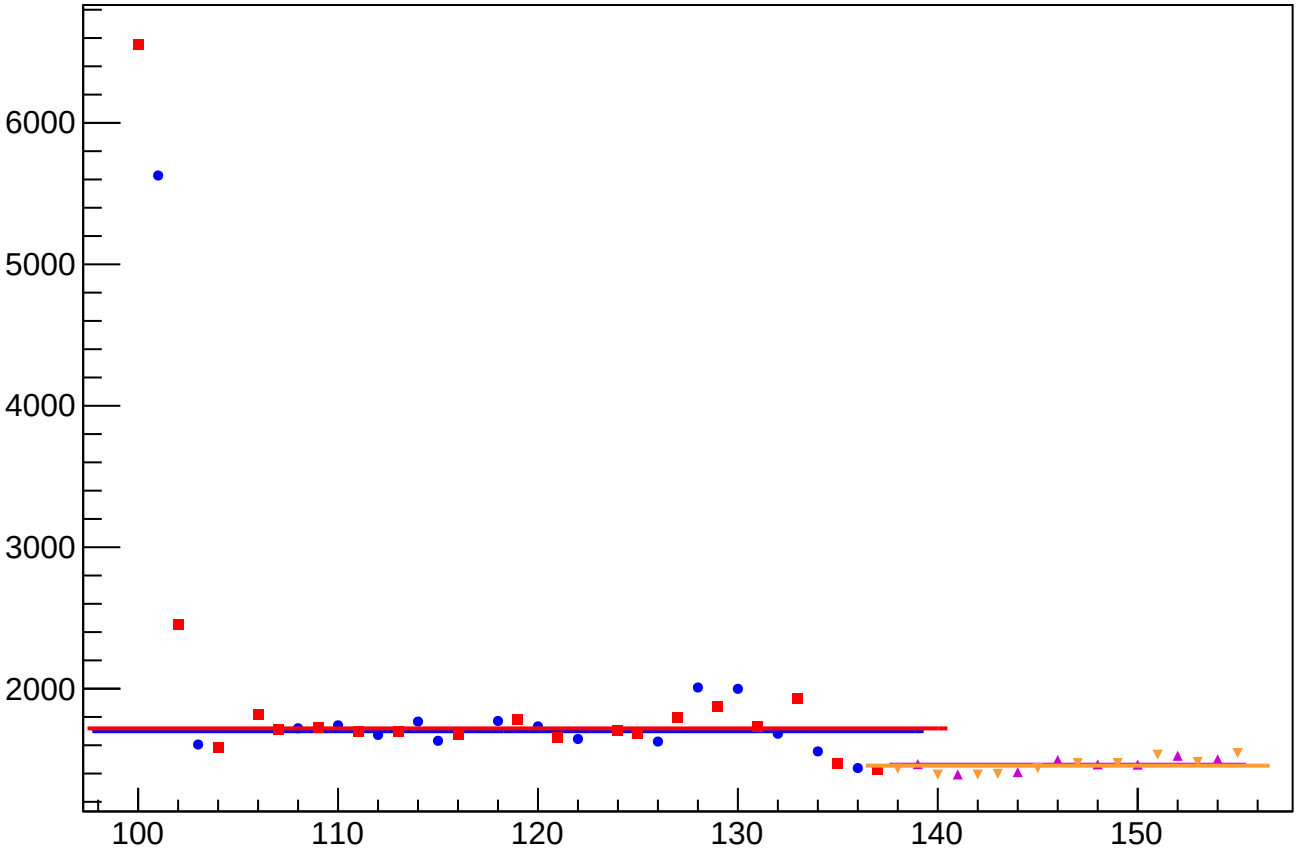
Left In: 556.117+/-552.197 χ^2/NDF:10.5/7

+ sign -600.812+/-405.798 χ^2/NDF: 35.1/25

All: -234.183+/-291.377 χ^2/NDF: 55.9/52

- sign 156.019+/-418.641 χ^2/NDF: 19.0/26

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1455.929+/-0.368 χ^2/NDF:19509.2/9

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

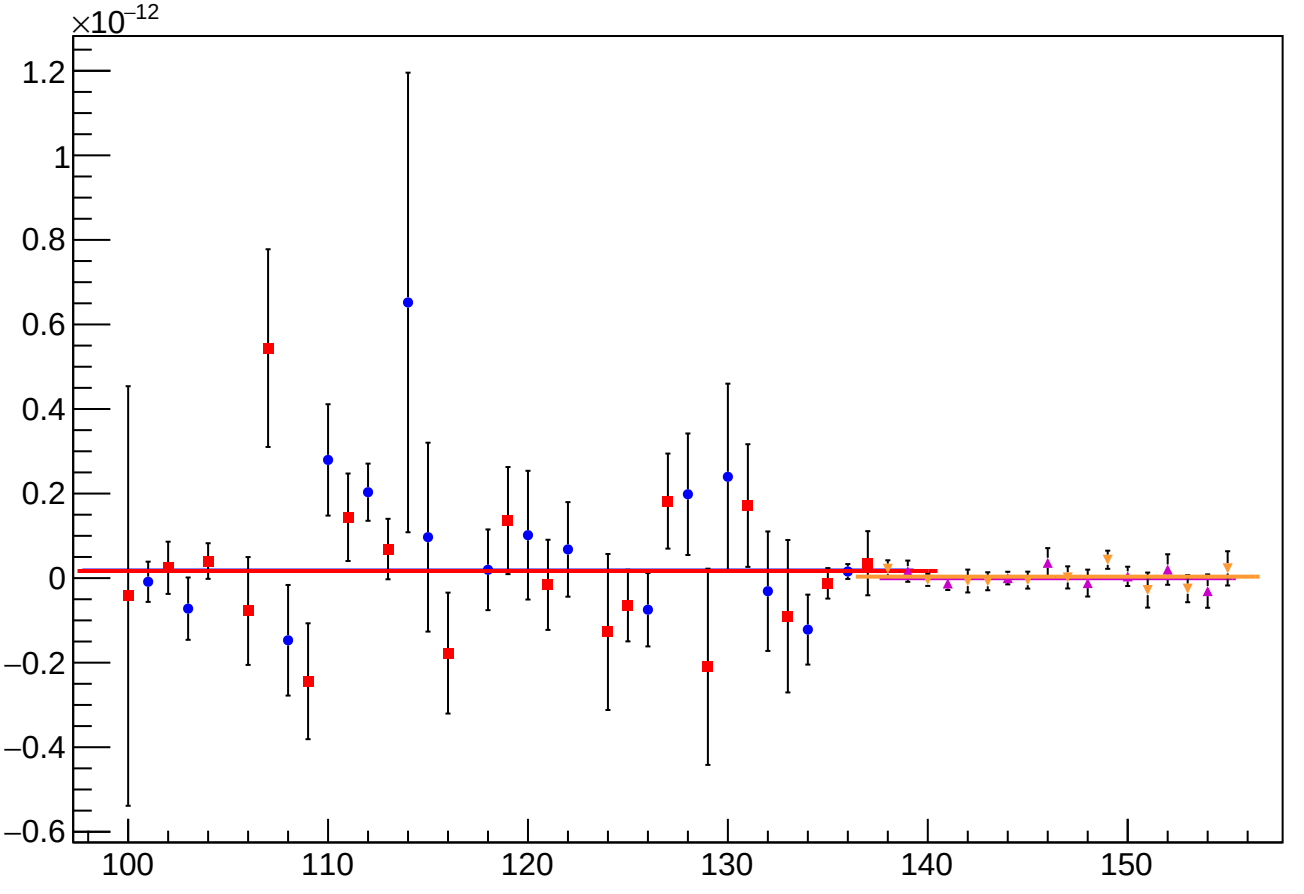
Left In: 1462.465+/-0.390 χ^2/NDF:11866.8/7

+ sign 1551.018+/-0.287 χ^2/NDF: 952889.4/25

All: 1560.986+/-0.206 χ^2/NDF: 1384697.2/52

- sign 1571.595+/-0.296 χ^2/NDF: 429316.6/26

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/9

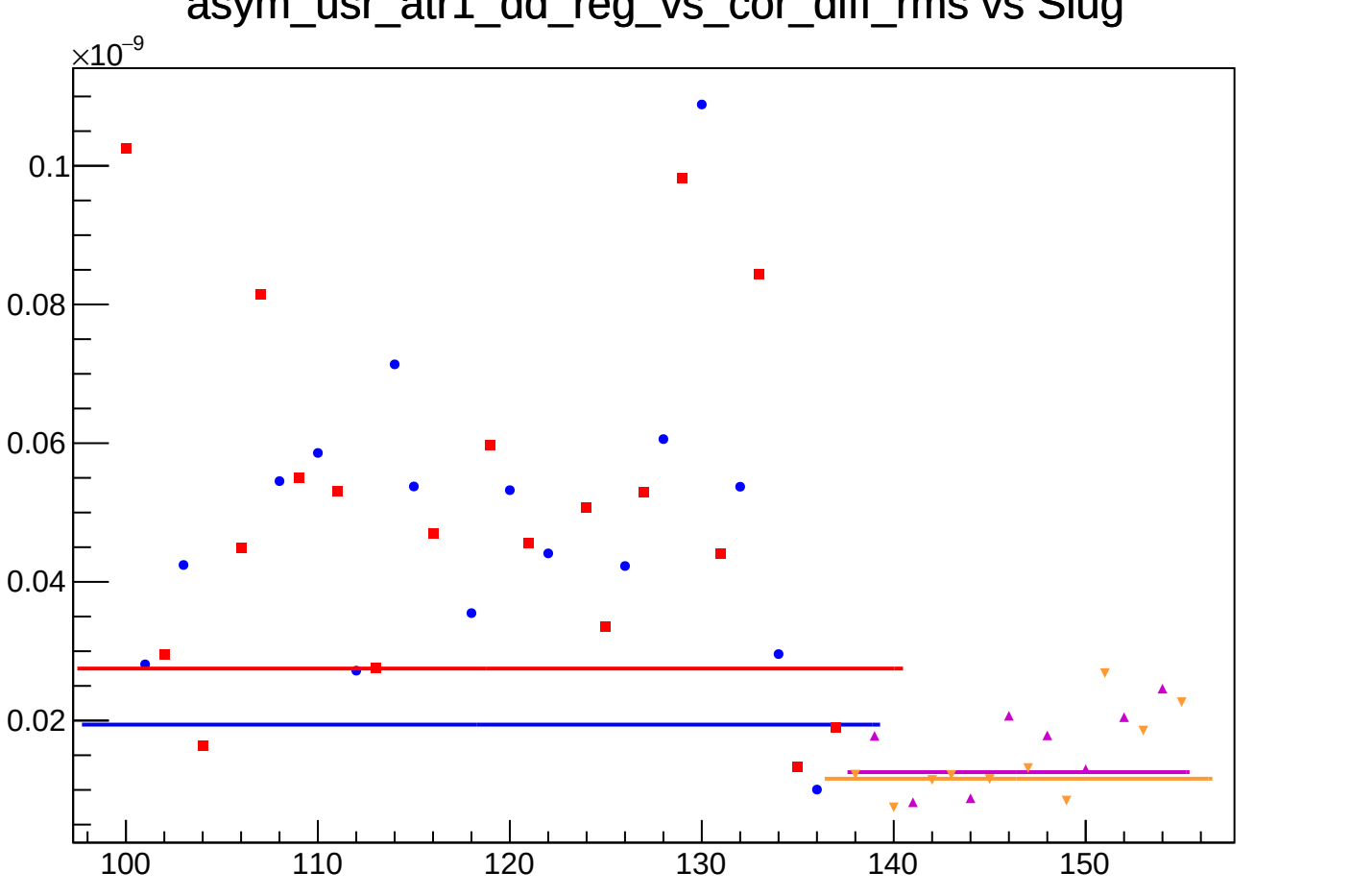
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/7

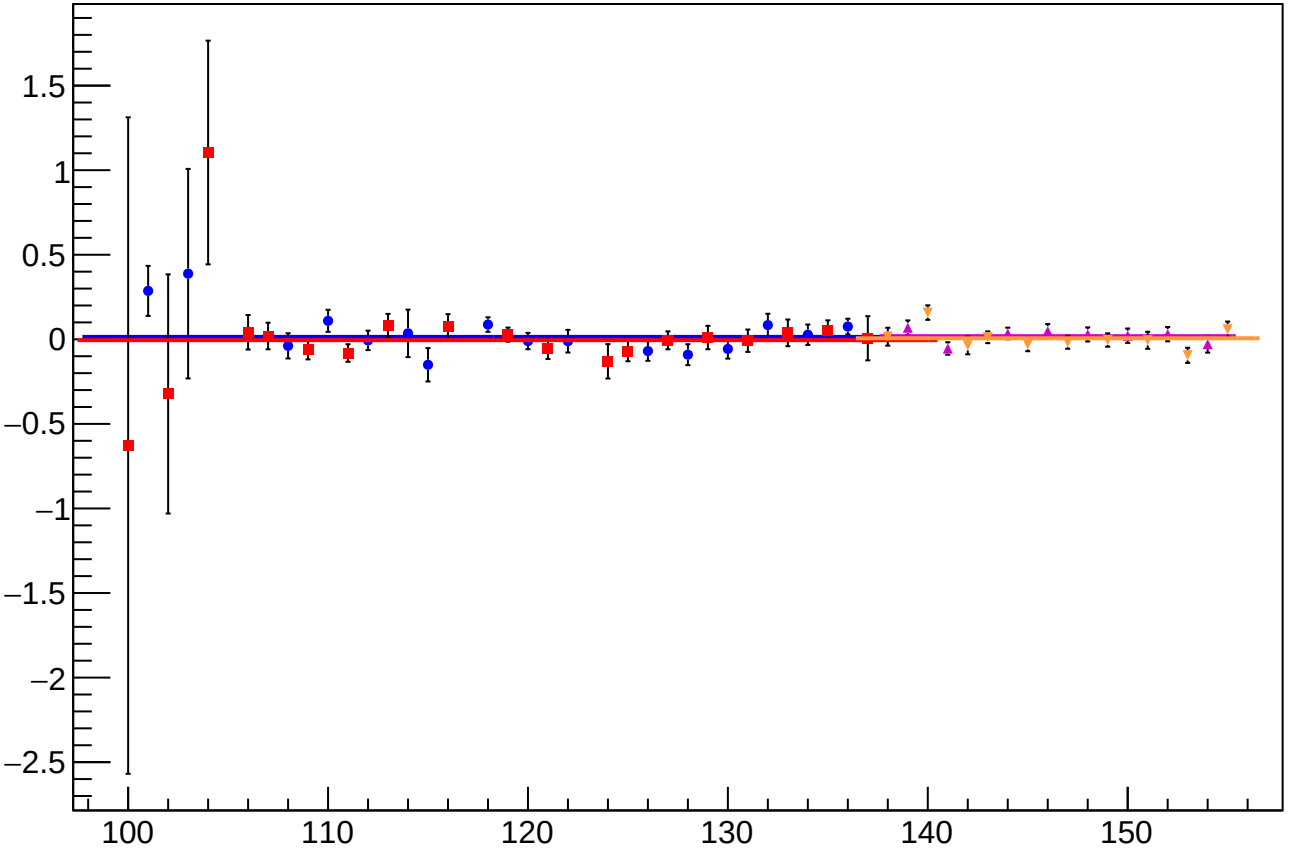
+ sign 0.000+/-0.000 χ^2/NDF: 31.1/25

All: 0.000+/-0.000 χ^2/NDF: 56.6/52

- sign 0.000+/-0.000 χ^2/NDF: 25.3/26


asym_usr_atr1_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
Right In: 0.000+/-0.000 χ²/NDF: 2274412.4/15
Left Out: 0.000+/-0.000 χ²/NDF:731524.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 1650144.8/18
Left In: 0.000+/-0.000 χ²/NDF:818021.0/7
+ sign 0.000+/-0.000 χ²/NDF: 3476367.0/25
All: 0.000+/-0.000 χ²/NDF: 7037349.8/52
- sign 0.000+/-0.000 χ²/NDF: 3505498.2/26

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.014 χ^2/NDF:20.9/9

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

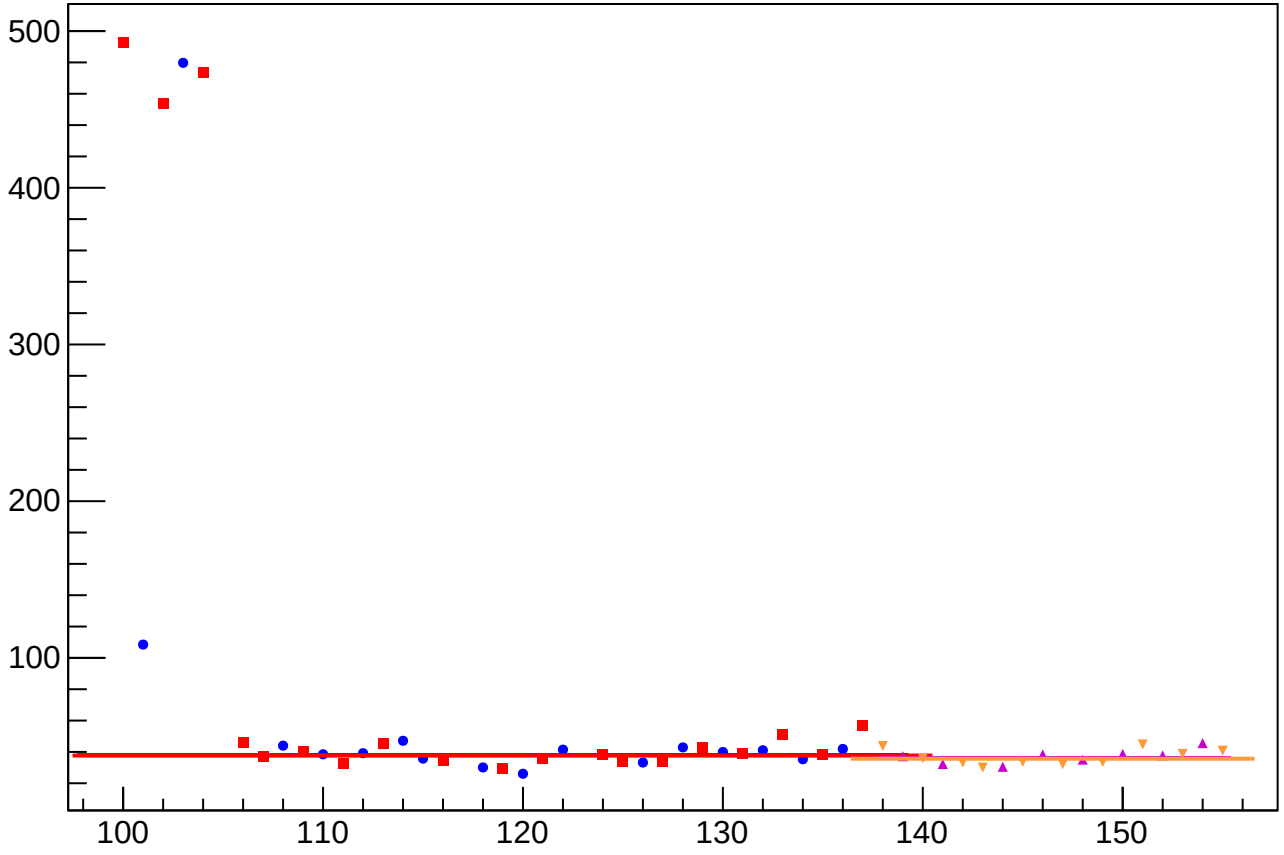
Left In: 0.018+/-0.015 χ^2/NDF:6.9/7

+ sign 0.010+/-0.010 χ^2/NDF: 43.1/25

All: 0.009+/-0.007 χ^2/NDF: 66.0/52

- sign 0.008+/-0.011 χ^2/NDF: 23.0/26

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: 35.675+/-0.010 χ^2/NDF:229057.8/9

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

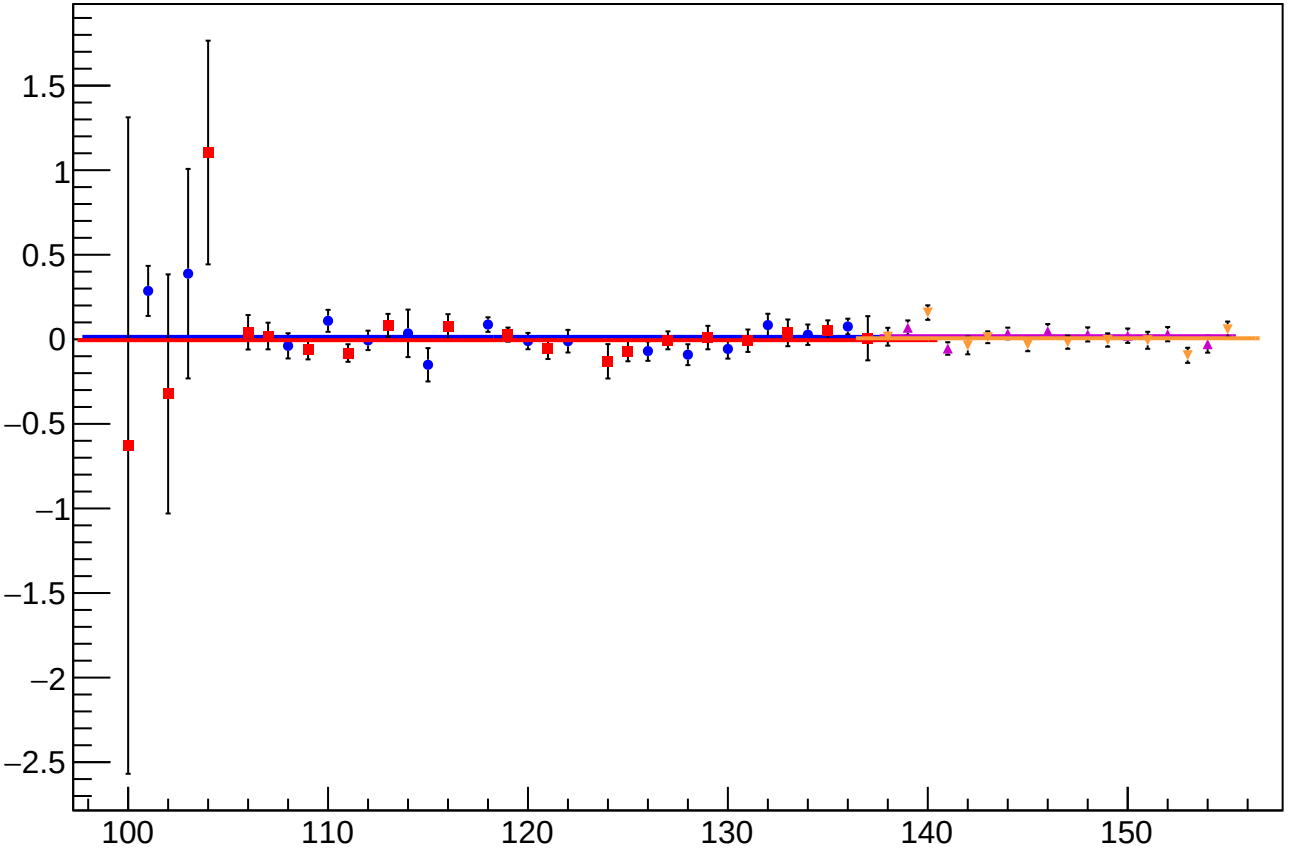
Left In: 36.090+/-0.010 χ^2/NDF:163018.8/7

+ sign 36.635+/-0.007 χ^2/NDF: 1992089.4/25

All: 36.721+/-0.005 χ^2/NDF: 4111277.2/52

- sign 36.813+/-0.008 χ^2/NDF: 2118902.1/26

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.014 χ^2/NDF:20.9/9

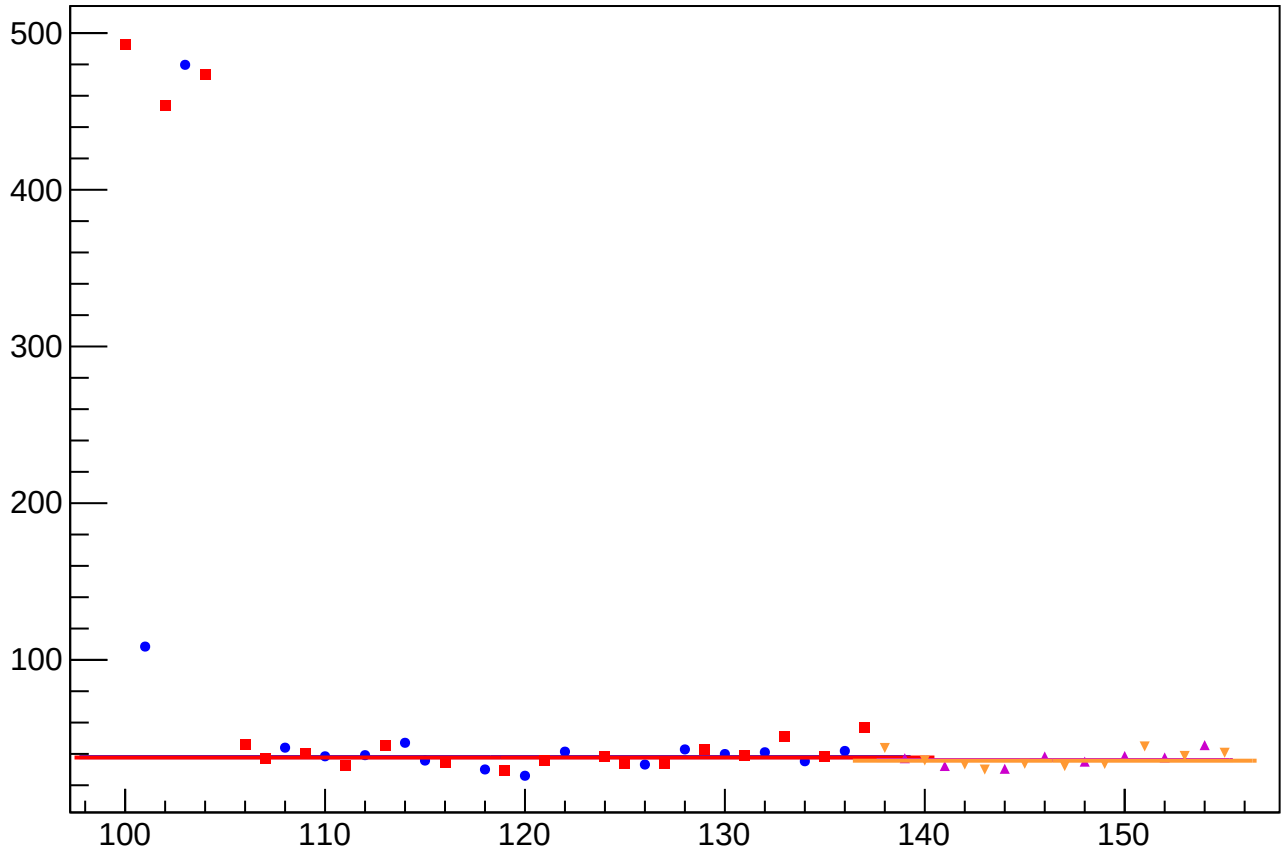
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.018+/-0.015 χ^2/NDF:6.9/7

+ sign 0.010+/-0.010 χ^2/NDF: 43.1/25

All: 0.009+/-0.007 χ^2/NDF: 66.0/52

- sign 0.008+/-0.011 χ^2/NDF: 23.0/26



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.675+/-0.010 χ^2/NDF:229057.8/9

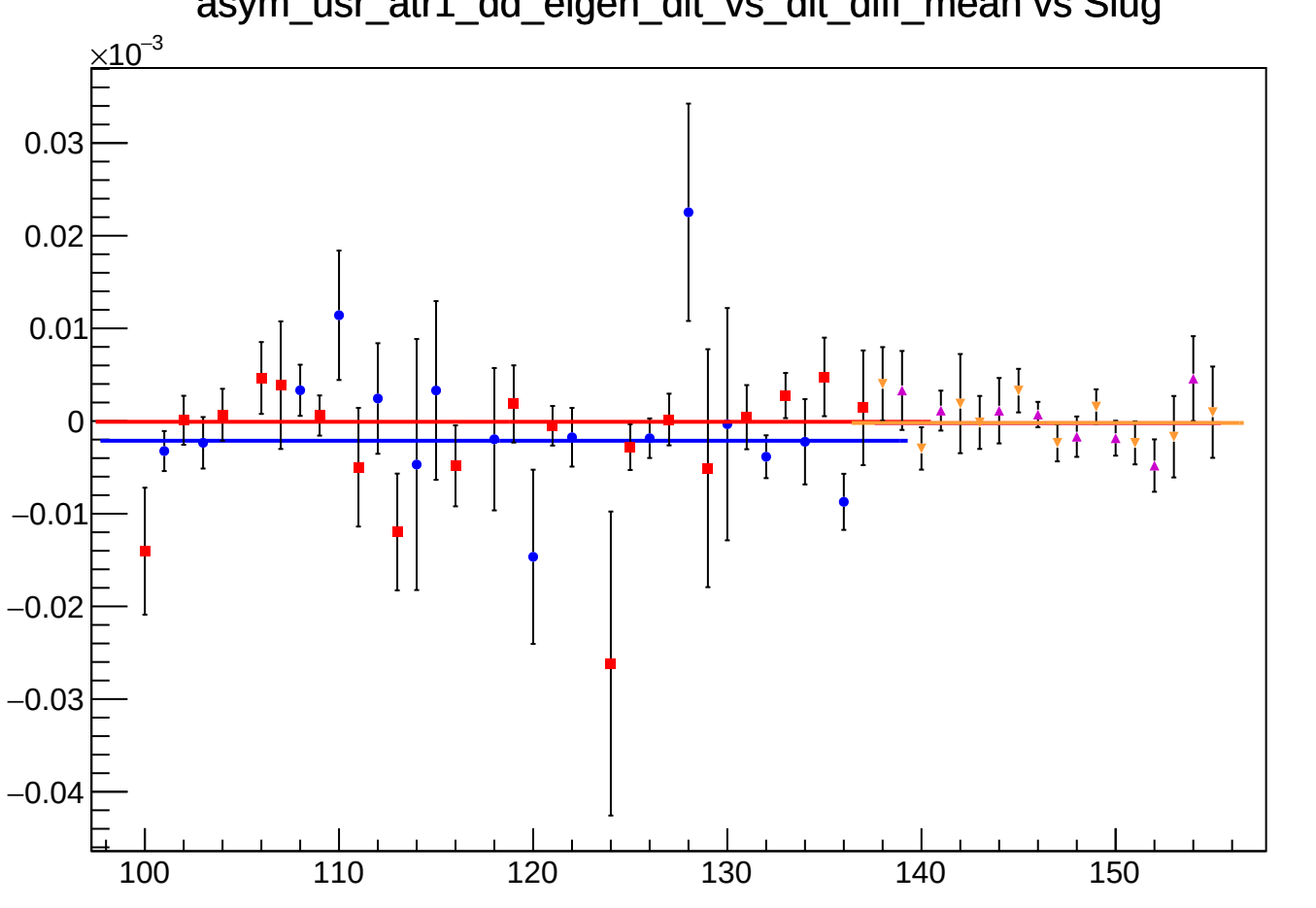
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.090+/-0.010 χ^2/NDF:163018.8/7

\+ sign 36.635+/-0.007 χ^2/NDF: 1992089.4/25

All: 36.721+/-0.005 χ^2/NDF: 4111277.2/52

\- sign 36.813+/-0.008 χ^2/NDF: 2118902.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.0/9

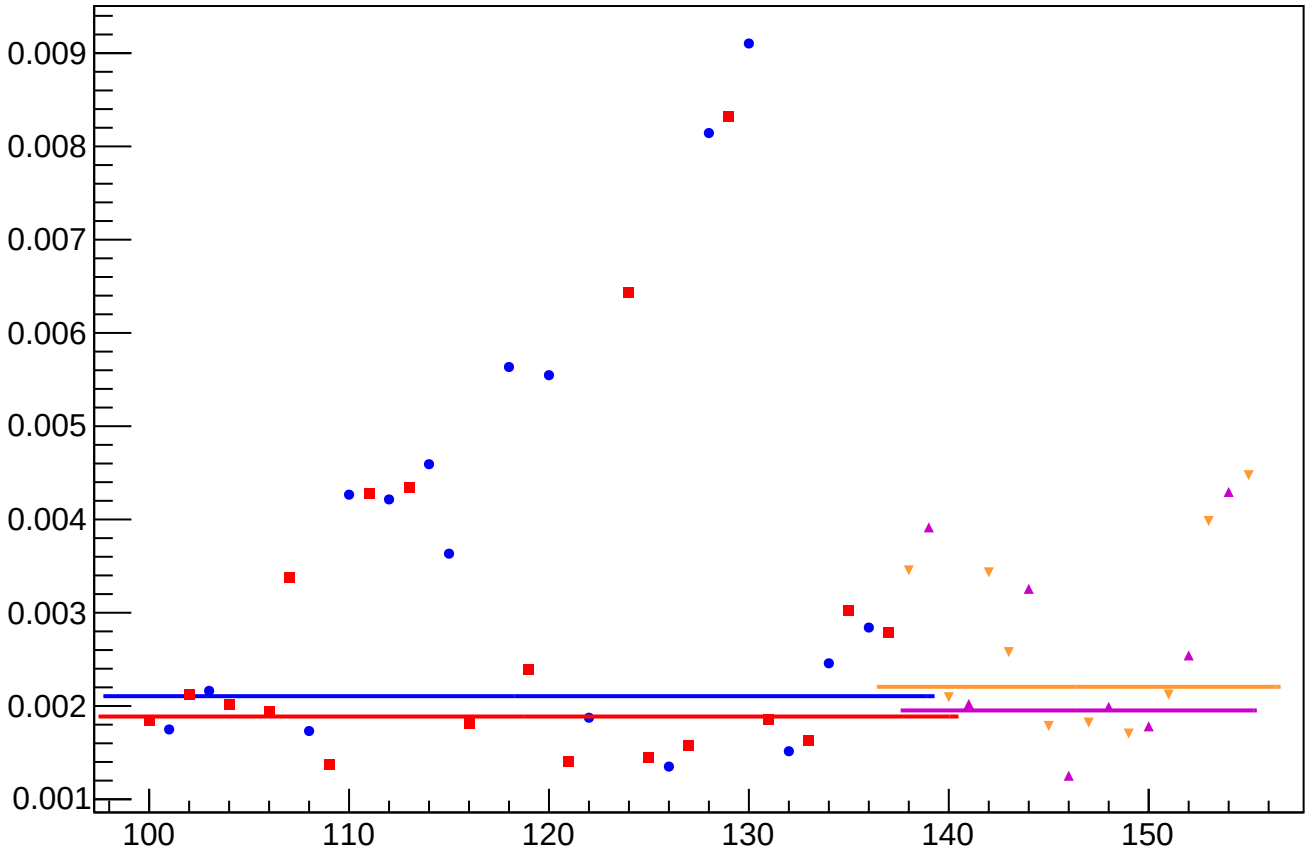
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/25

All: -0.000+/-0.000 χ^2/NDF: 57.1/52

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



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1377271.0/9

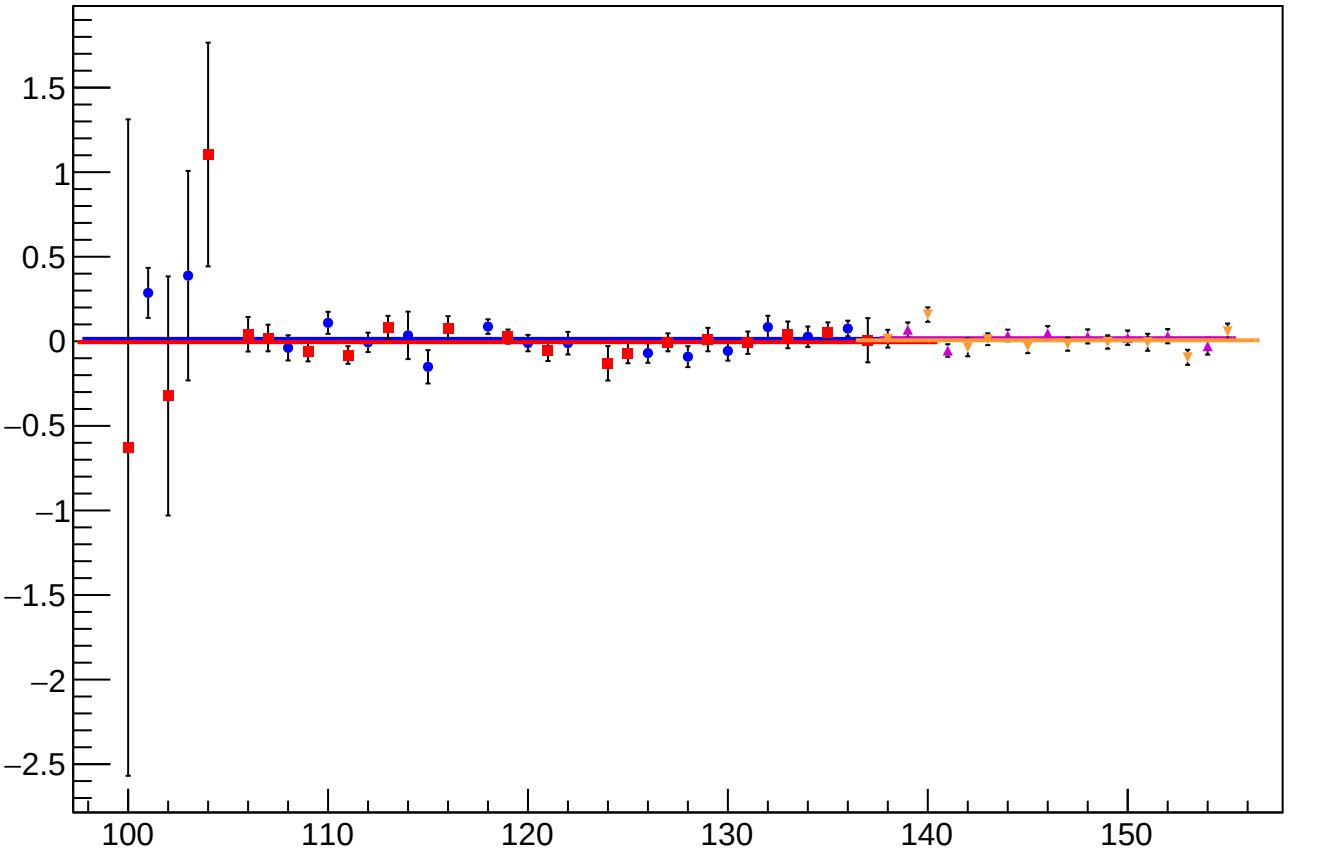
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1849666.6/7

+ sign 0.002+/-0.000 χ^2/NDF: 4408197.4/25

All: 0.002+/-0.000 χ^2/NDF: 8321794.9/52

- sign 0.002+/-0.000 χ^2/NDF: 3748344.5/26



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.014 χ^2/NDF:20.9/9

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

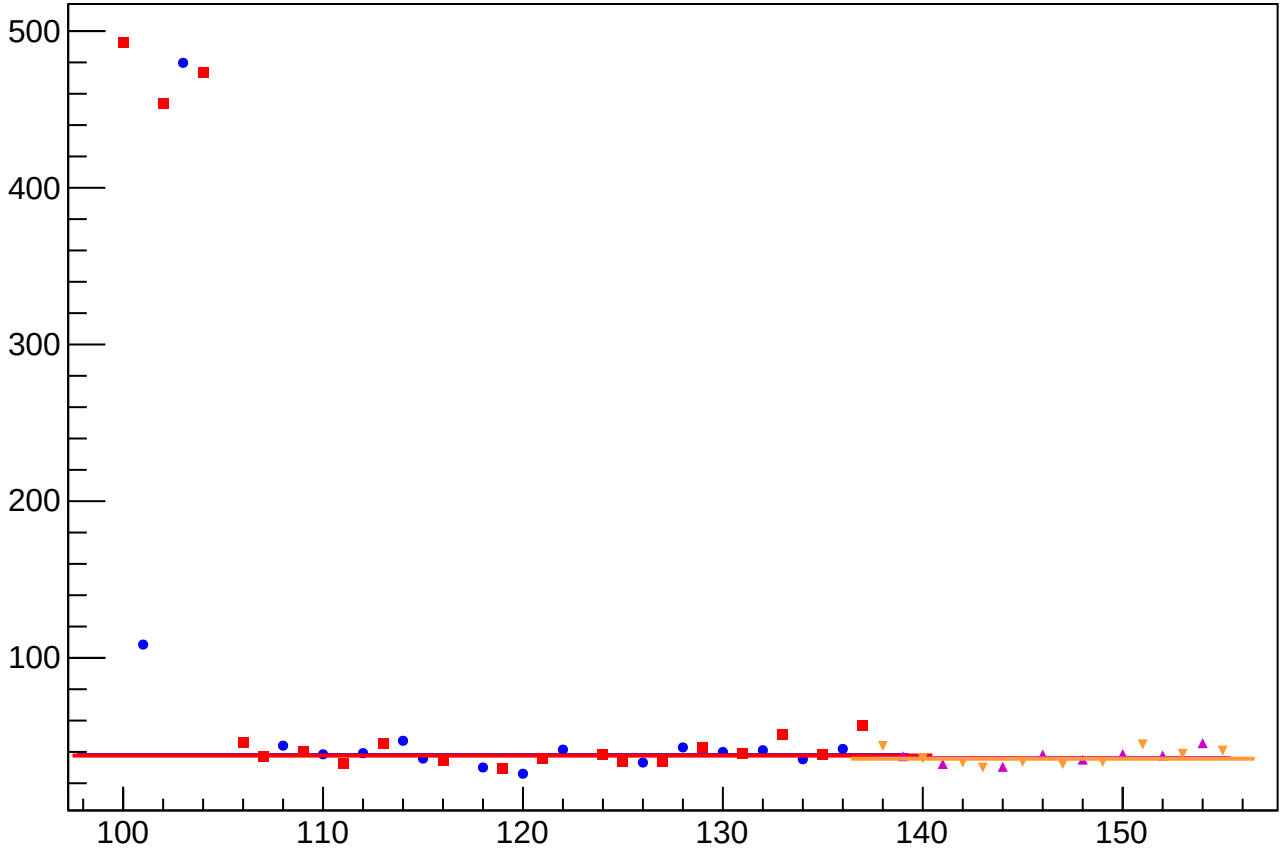
Left In: 0.018+/-0.015 χ^2/NDF:6.9/7

+ sign 0.010+/-0.010 χ^2/NDF: 43.1/25

All: 0.009+/-0.007 χ^2/NDF: 66.0/52

- sign 0.008+/-0.011 χ^2/NDF: 23.0/26

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: 35.675+/-0.010 χ^2/NDF:229115.5/9

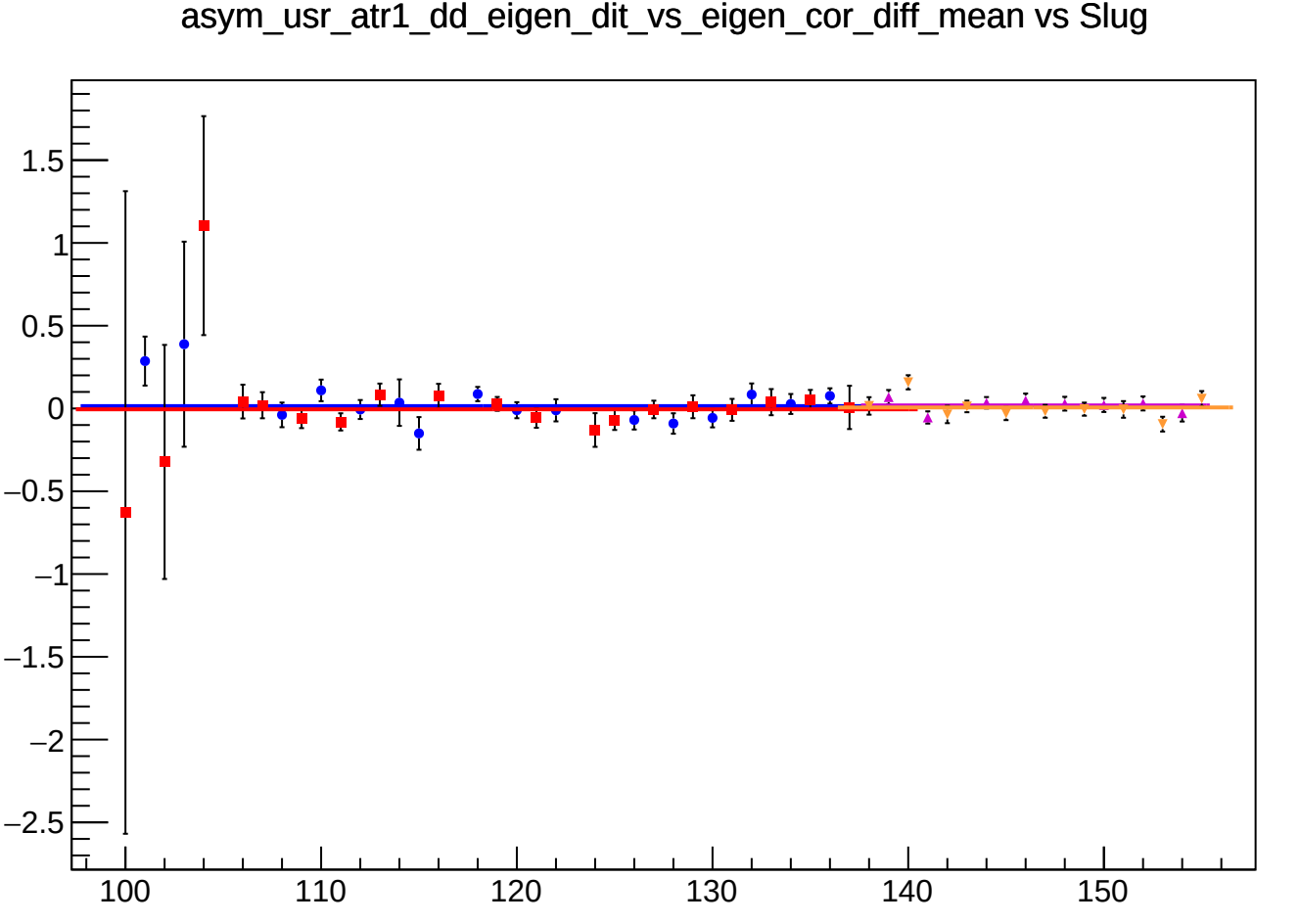
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.090+/-0.010 χ^2/NDF:163059.0/7

+ sign 36.635+/-0.007 χ^2/NDF: 1992151.2/25

All: 36.720+/-0.005 χ^2/NDF: 4111442.1/52

- sign 36.813+/-0.008 χ^2/NDF: 2119006.5/26



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.014 χ^2/NDF:20.9/9

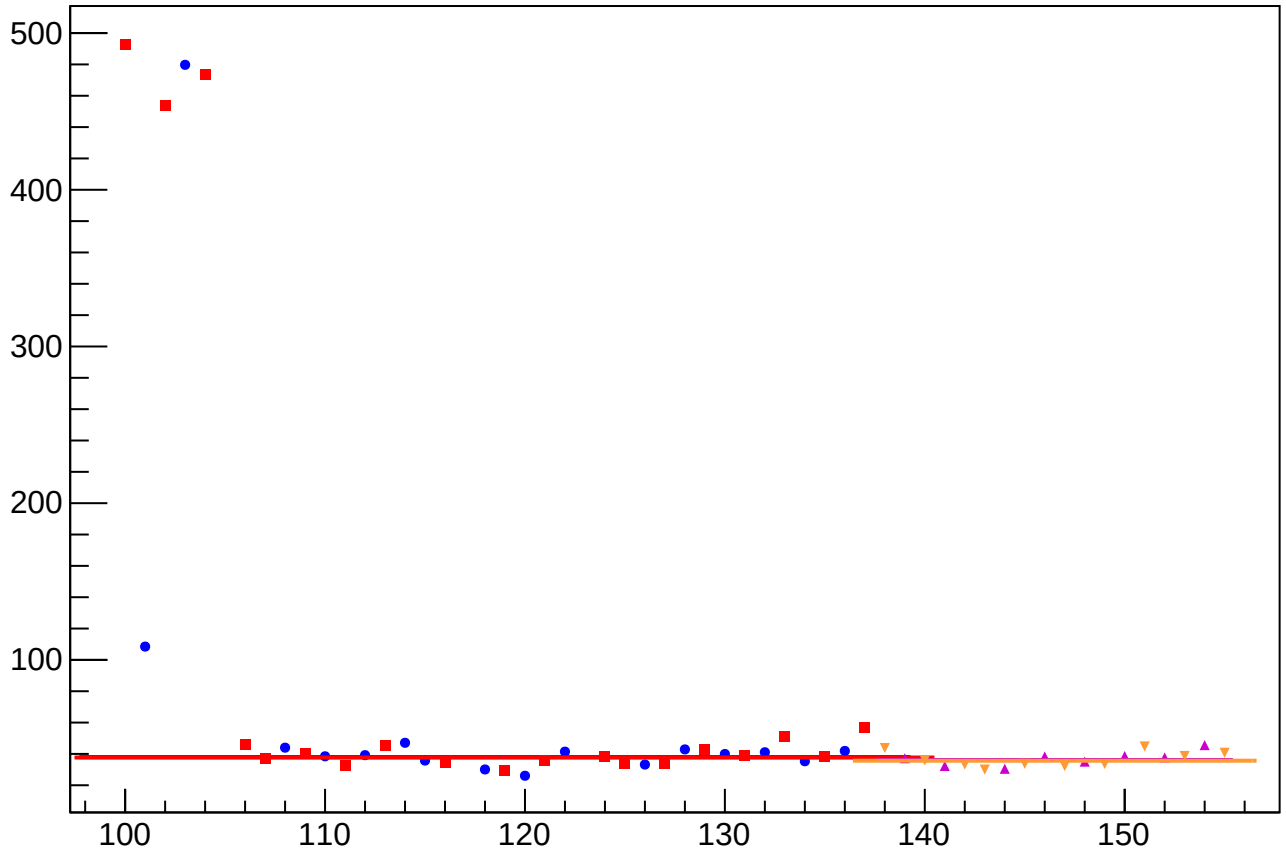
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.018+/-0.015 χ^2/NDF:6.9/7

+ sign 0.010+/-0.010 χ^2/NDF: 43.1/25

All: 0.009+/-0.007 χ^2/NDF: 66.0/52

- sign 0.008+/-0.011 χ^2/NDF: 23.0/26



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.675+/-0.010 χ^2/NDF:229115.5/9

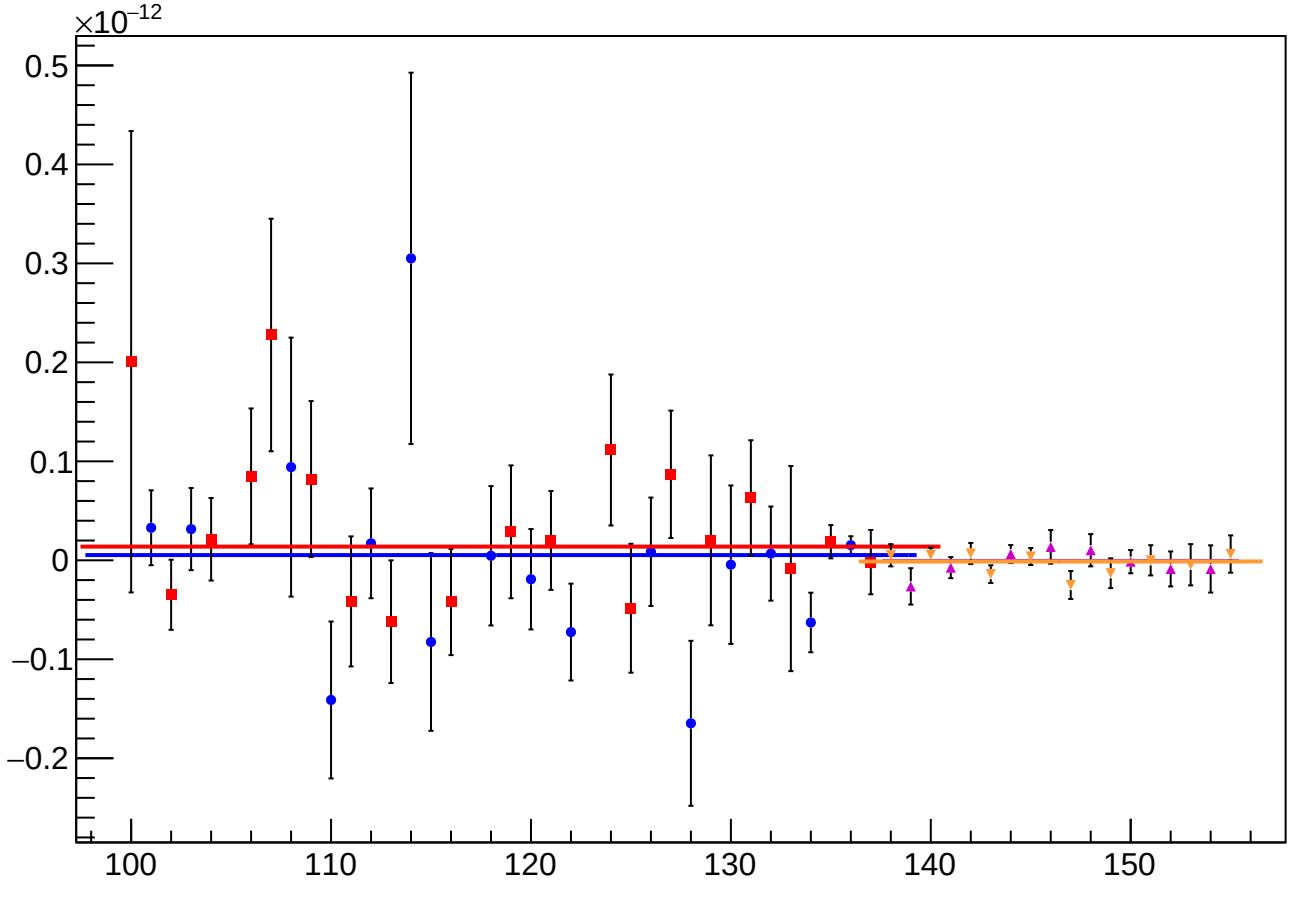
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.090+/-0.010 χ^2/NDF:163059.0/7

+ sign 36.635+/-0.007 χ^2/NDF: 1992151.2/25

All: 36.720+/-0.005 χ^2/NDF: 4111442.1/52

- sign 36.813+/-0.008 χ^2/NDF: 2119006.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/9

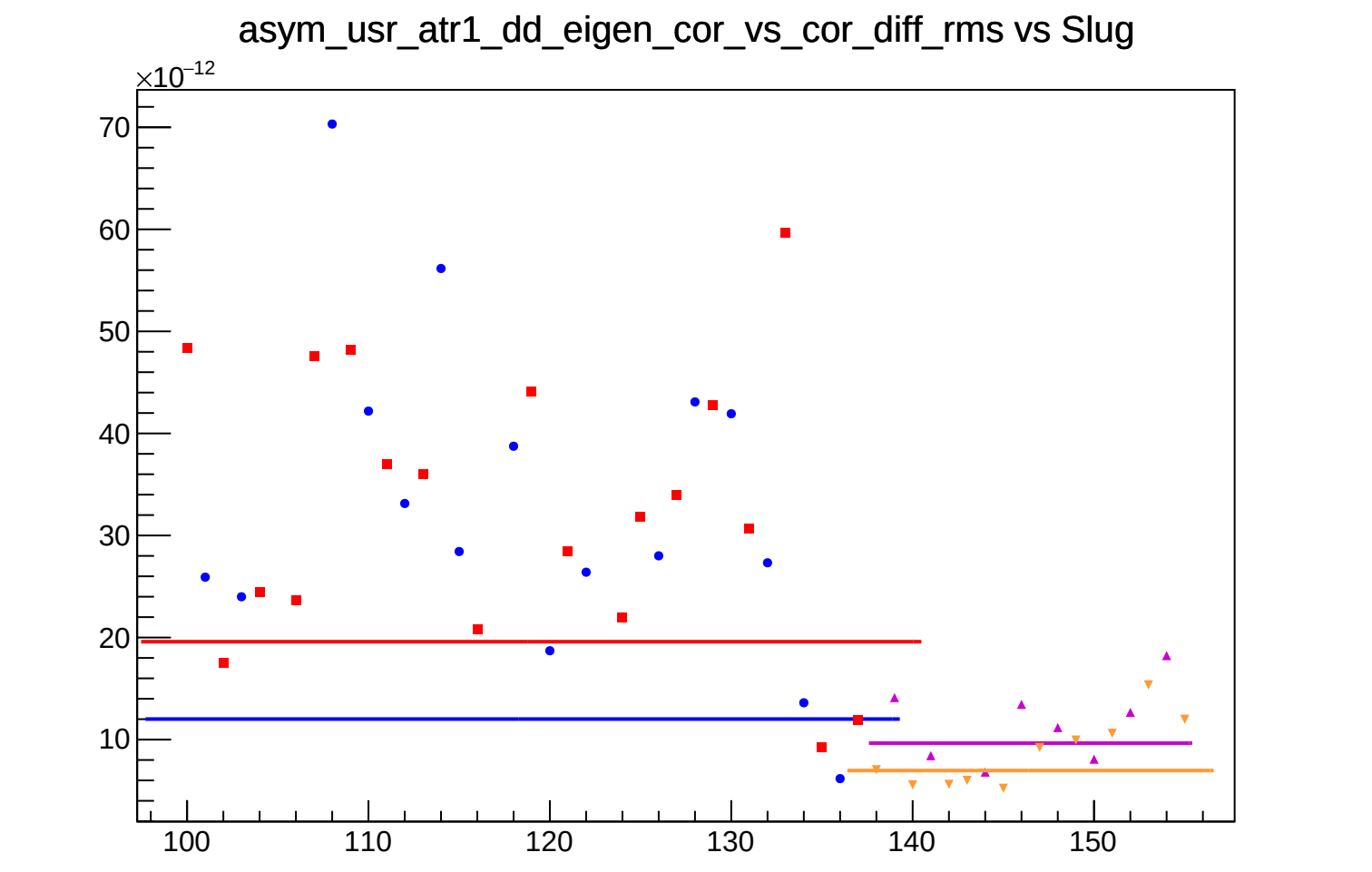
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/25

All: 0.000+/-0.000 χ^2/NDF: 52.1/52

- sign 0.000+/-0.000 χ^2/NDF: 22.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:923066.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

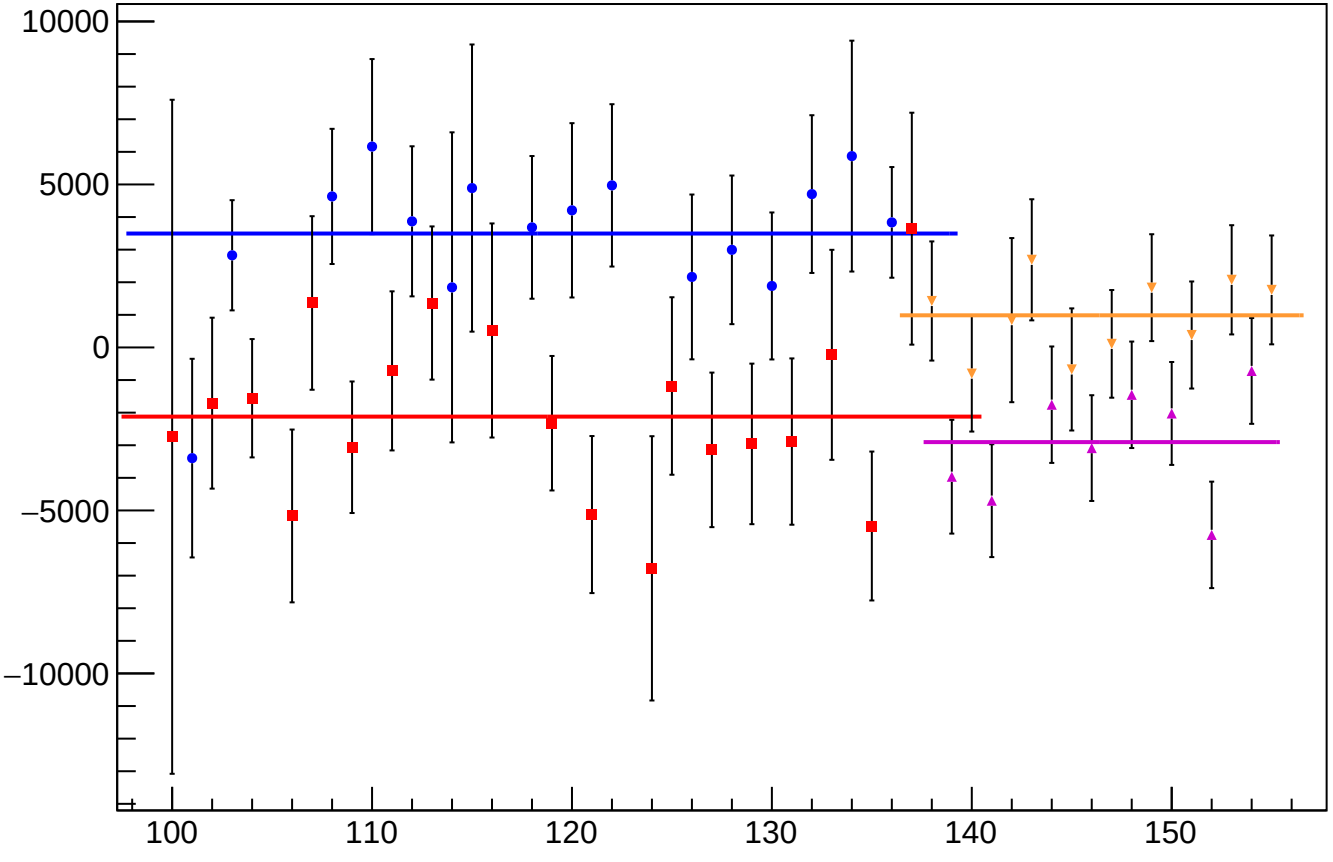
Left In: 0.000+/-0.000 χ^2/NDF:810432.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 5524382.4/25

All: 0.000+/-0.000 χ^2/NDF: 11254122.3/52

- sign 0.000+/-0.000 χ^2/NDF: 4898002.8/26

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 985.793+/-561.371 χ^2/NDF:4.0/9

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

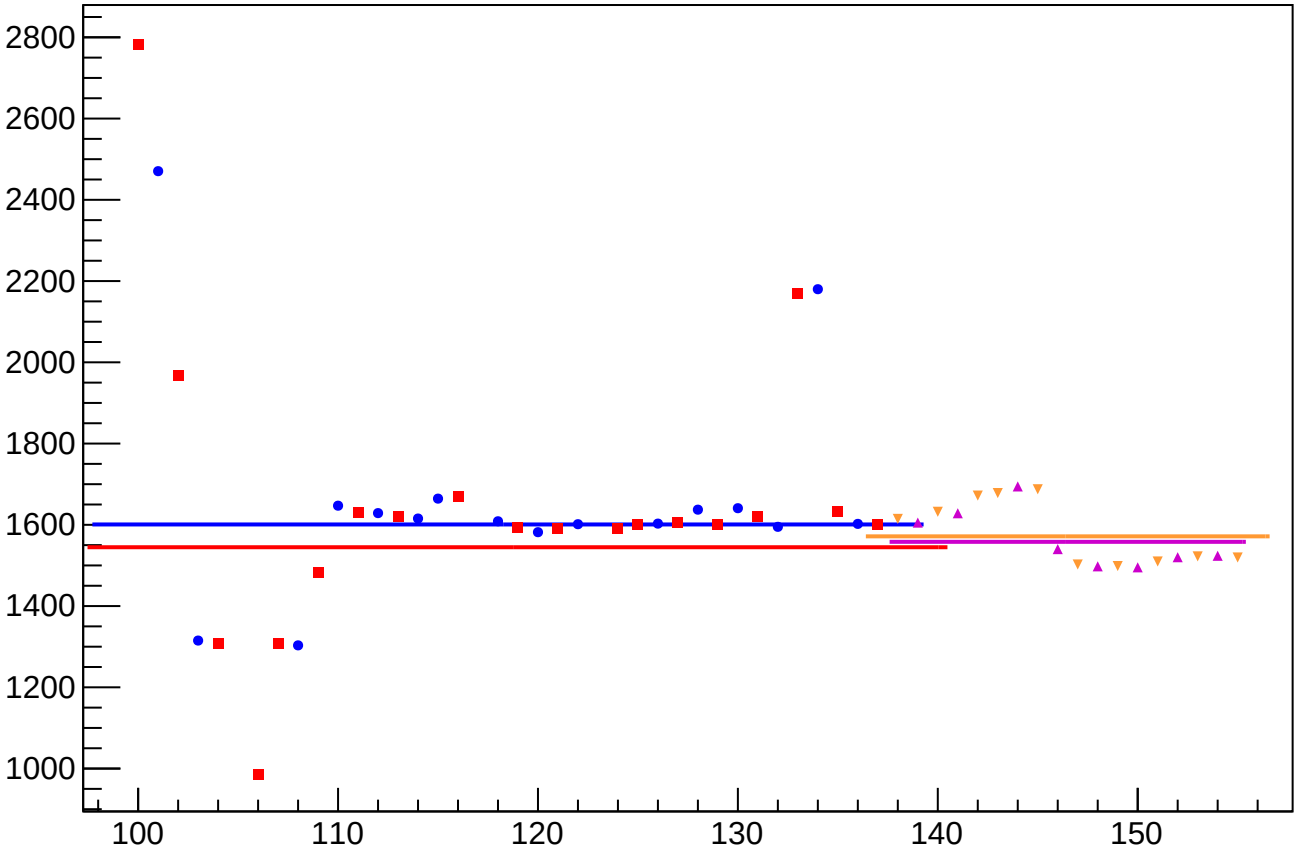
Left In: -2903.615+/-588.543 χ^2/NDF:7.8/7

+ sign 2154.277+/-410.303 χ^2/NDF: 22.1/25

All: -147.642+/-292.064 χ^2/NDF: 109.7/52

- sign -2512.050+/-415.835 χ^2/NDF: 23.8/26

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1571.596+/-0.397 χ^2/NDF:34844.7/9

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

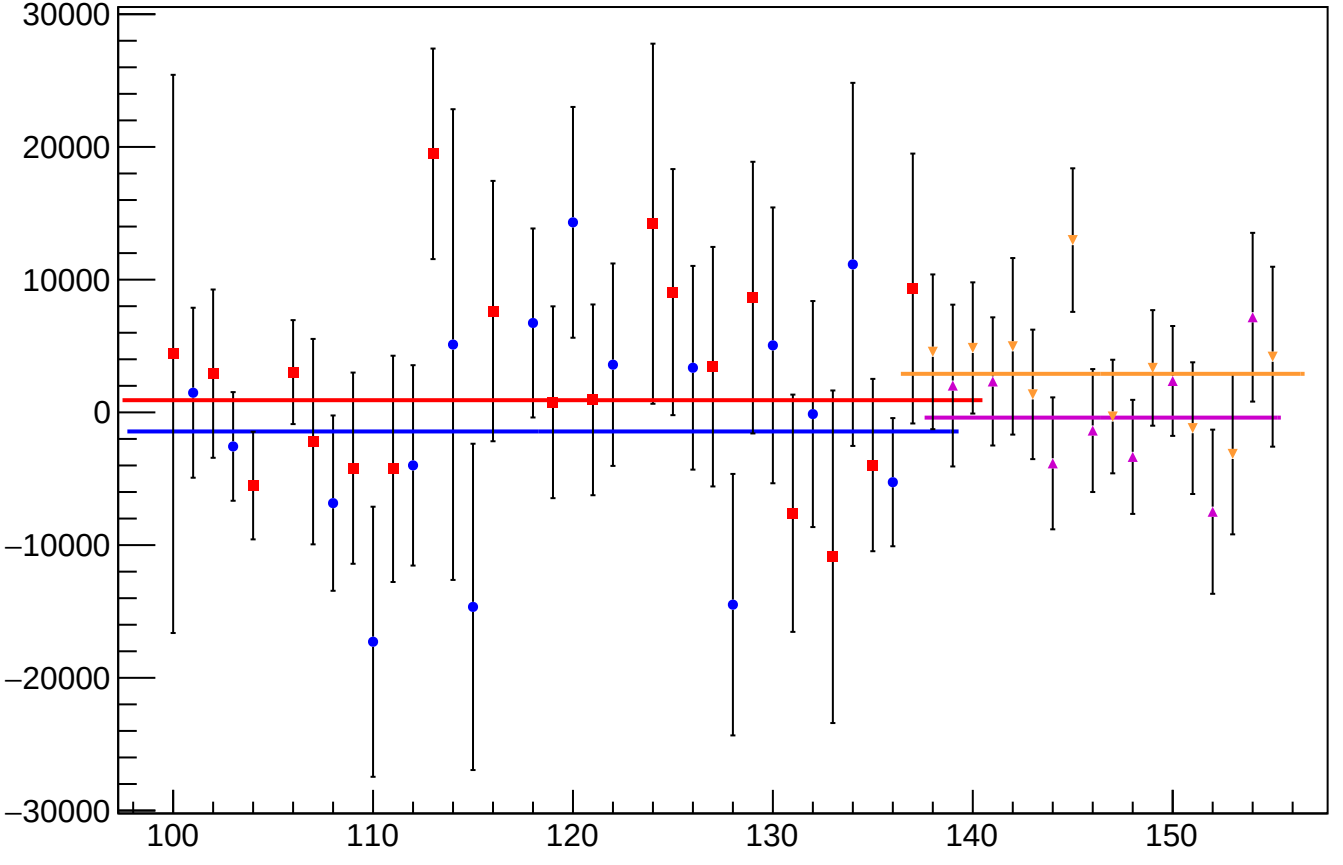
Left In: 1558.102+/-0.416 χ^2/NDF:24540.8/7

+ sign 1585.236+/-0.290 χ^2/NDF: 354793.6/25

All: 1568.368+/-0.206 χ^2/NDF: 762775.5/52

- sign 1551.333+/-0.292 χ^2/NDF: 401187.8/26

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 2904.799+/-1652.604 χ^2/NDF:6.2/9

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

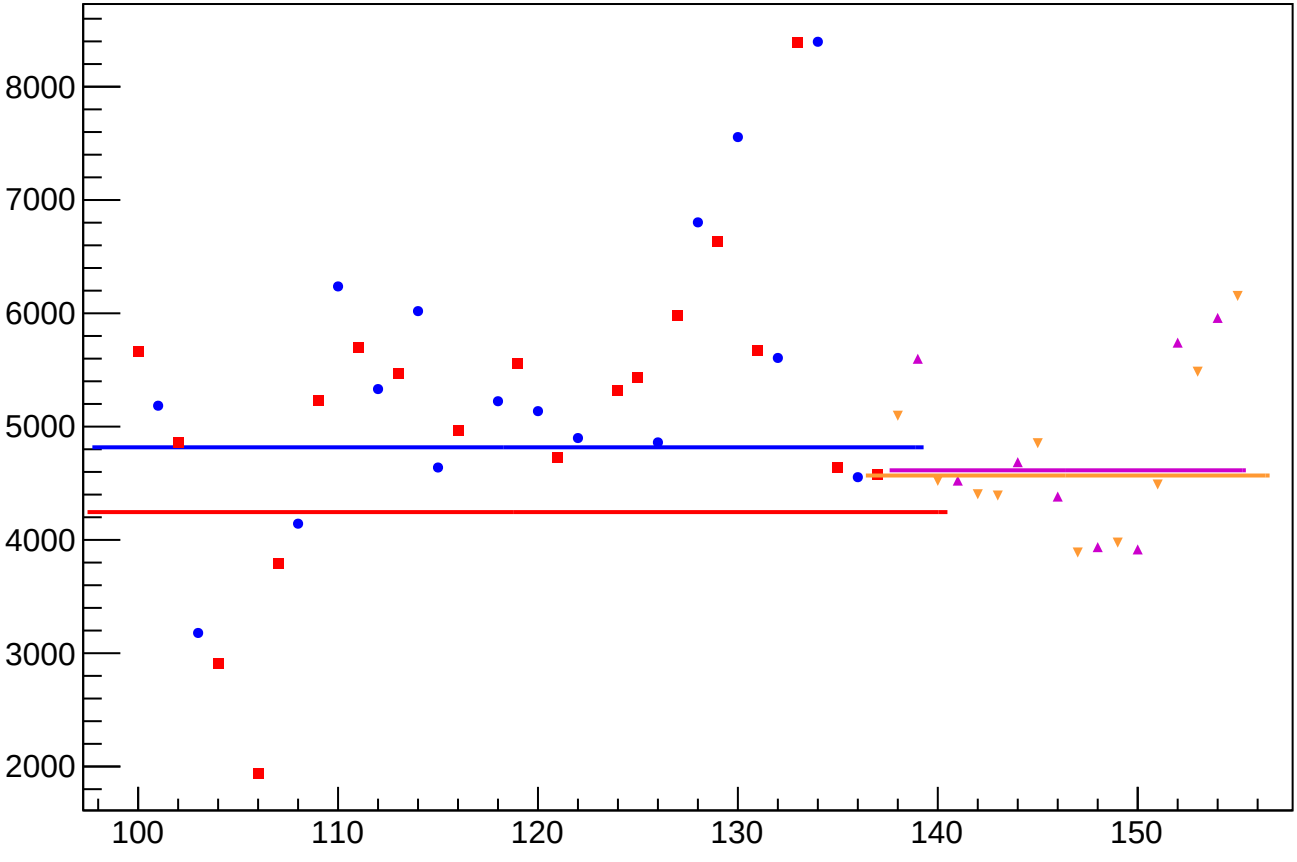
Left In: -394.689+/-1766.967 χ^2/NDF:4.7/7

+ sign 975.777+/-1231.962 χ^2/NDF: 23.1/25

All: 632.360+/-864.500 χ^2/NDF: 43.5/52

- sign 299.200+/-1213.424 χ^2/NDF: 20.3/26

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4568.396+/-1.169 χ^2/NDF:268994.8/9

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

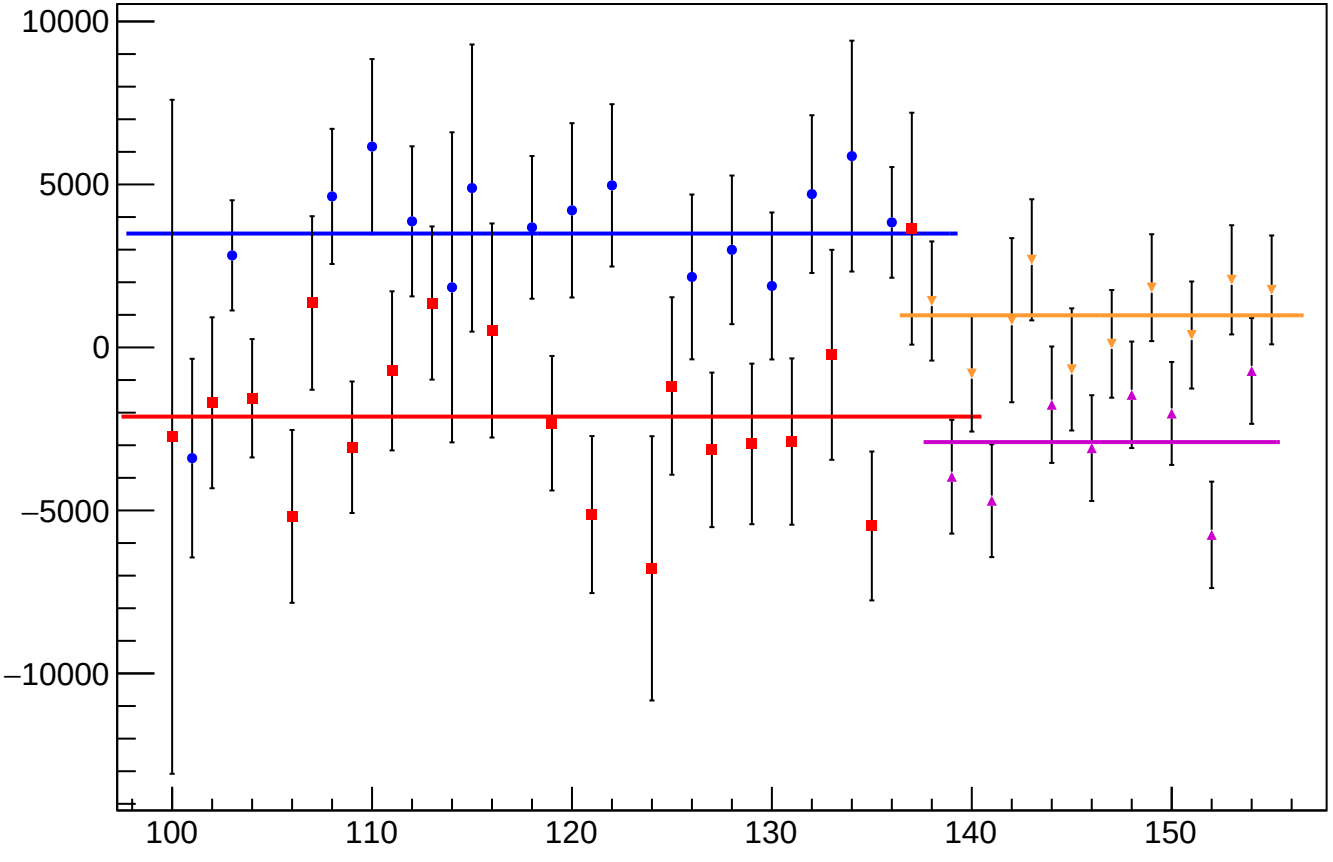
Left In: 4614.416+/-1.249 χ^2/NDF:320958.4/7

+ sign 4678.998+/-0.871 χ^2/NDF: 1084589.4/25

All: 4547.280+/-0.611 χ^2/NDF: 3179808.8/52

- sign 4419.496+/-0.858 χ^2/NDF: 2050176.9/26

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 985.704+/-561.371 χ^2/NDF:4.0/9

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

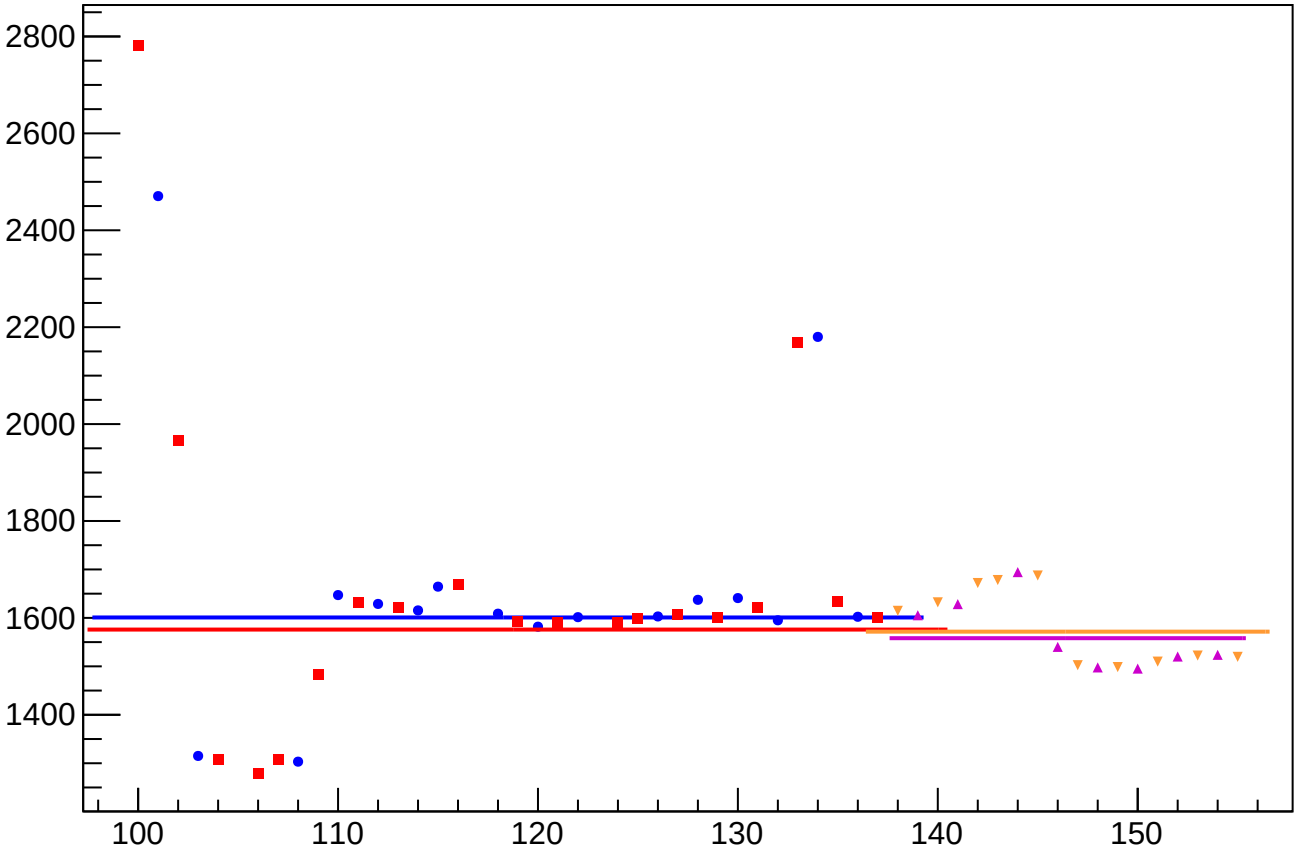
Left In: -2903.716+/-588.543 χ^2/NDF:7.8/7

+ sign 2154.073+/-410.303 χ^2/NDF: 22.1/25

All: -147.763+/-292.065 χ^2/NDF: 109.7/52

- sign -2512.097+/-415.836 χ^2/NDF: 23.8/26

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1571.596+/-0.397 χ^2/NDF:34844.7/9

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

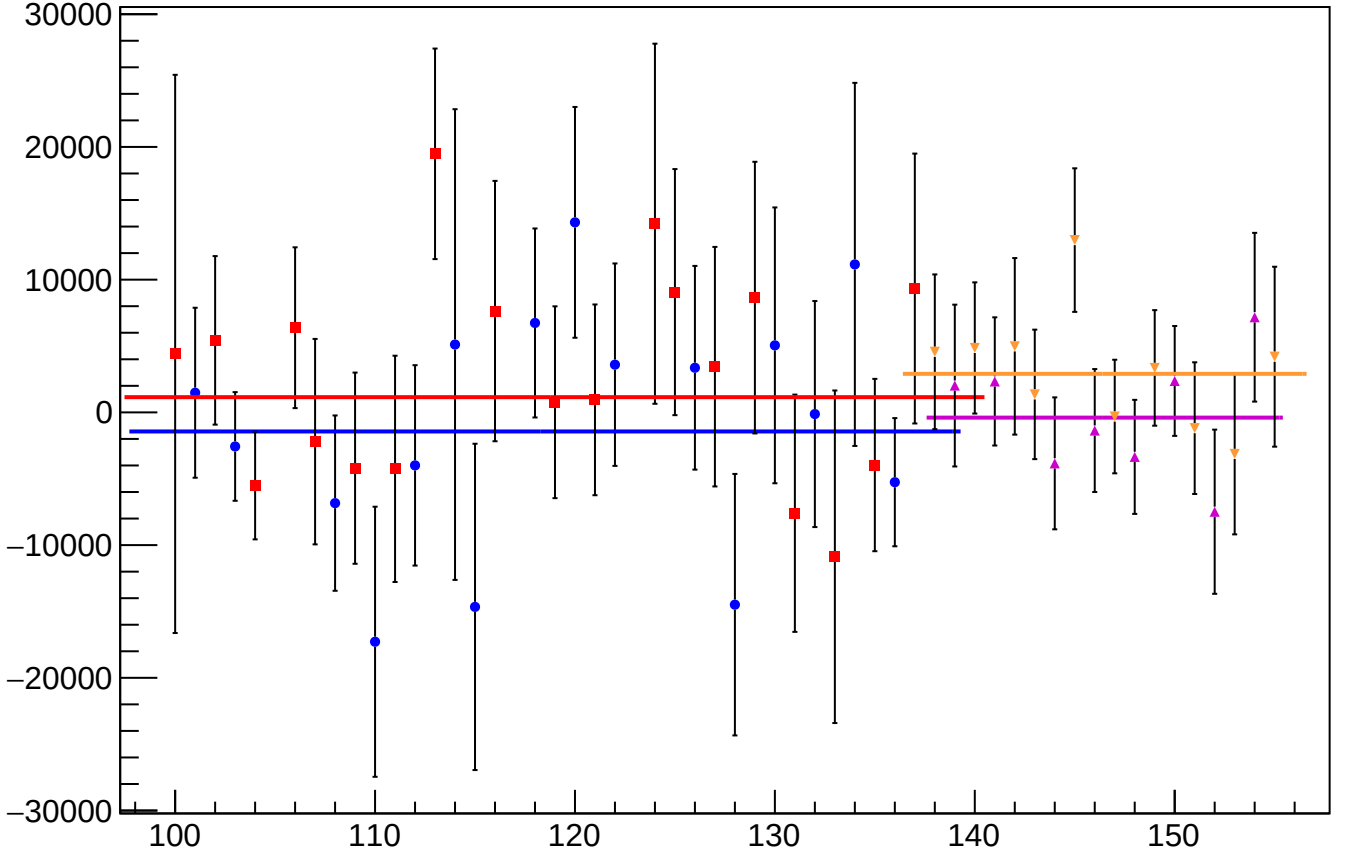
Left In: 1558.102+/-0.416 χ^2/NDF:24540.8/7

+ sign 1585.236+/-0.290 χ^2/NDF: 354792.8/25

All: 1576.247+/-0.206 χ^2/NDF: 625527.4/52

- sign 1567.050+/-0.293 χ^2/NDF: 268792.4/26

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2904.766+/-1652.600 χ^2/NDF:6.2/9

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

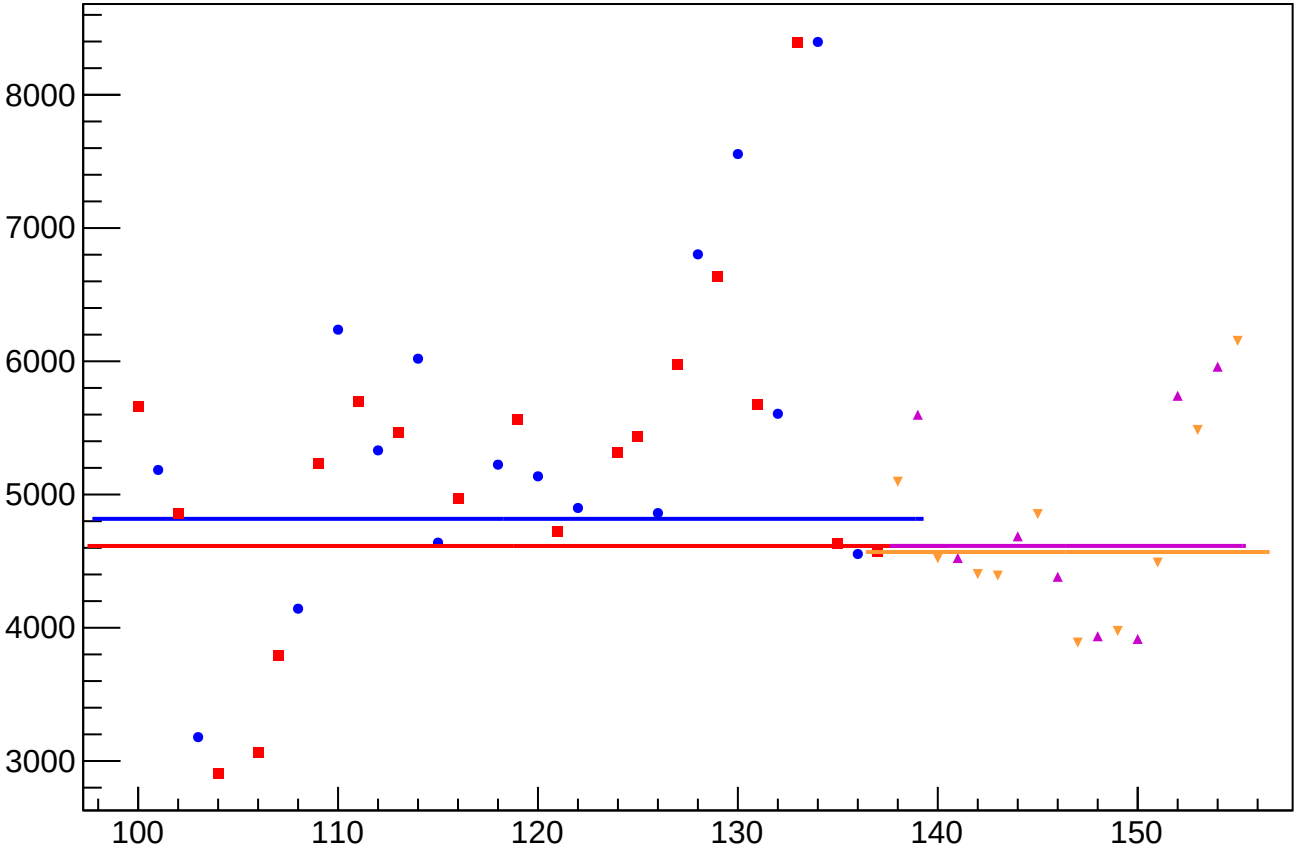
Left In: -394.847+/-1766.967 χ^2/NDF:4.6/7

+ sign 975.699+/-1231.971 χ^2/NDF: 23.1/25

All: 680.110+/-877.050 χ^2/NDF: 44.5/52

- sign 376.354+/-1248.874 χ^2/NDF: 21.3/26

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4568.385+/-1.169 χ^2/NDF:269002.5/9

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

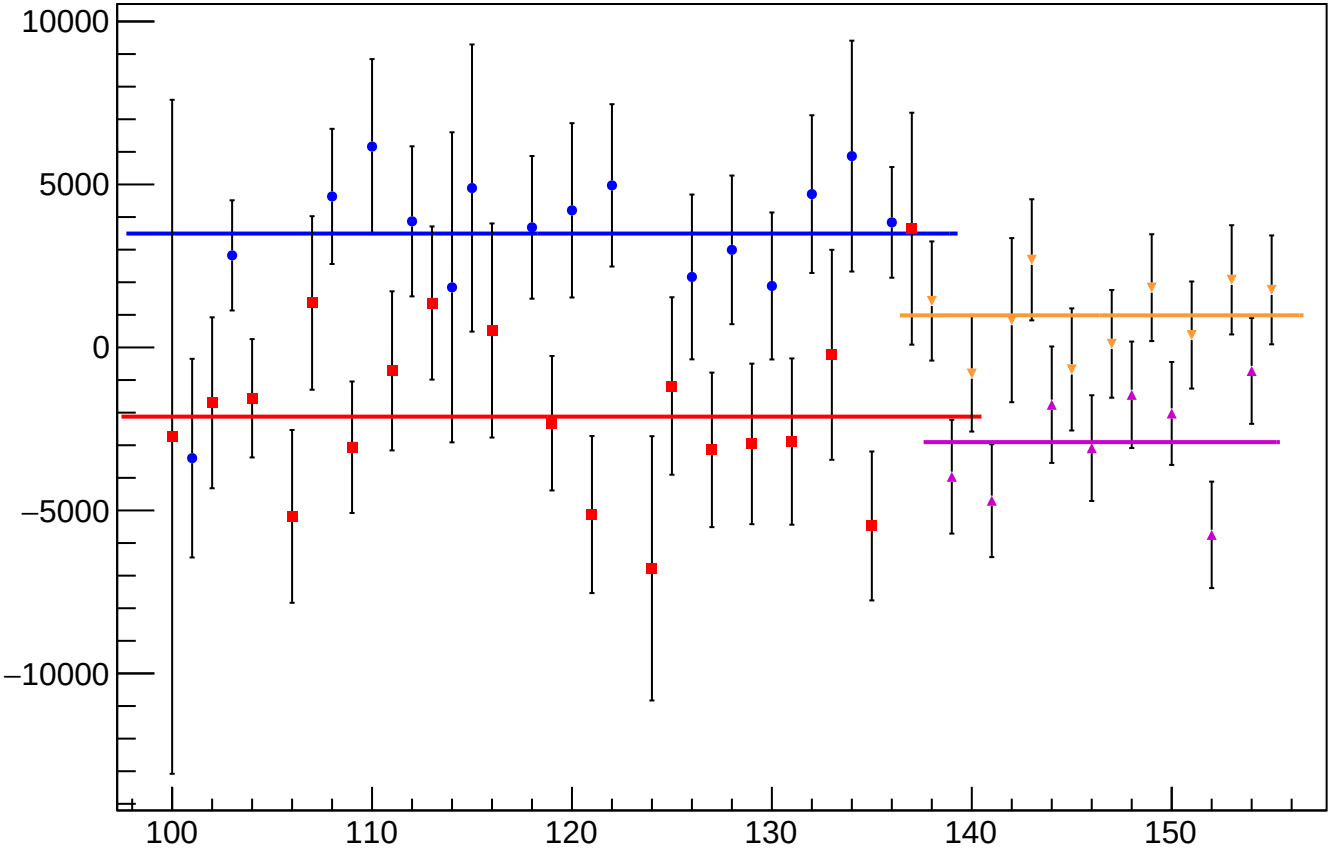
Left In: 4614.415+/-1.249 χ^2/NDF:320959.2/7

+ sign 4679.050+/-0.871 χ^2/NDF: 1084422.6/25

All: 4647.034+/-0.620 χ^2/NDF: 2386078.8/52

- sign 4614.132+/-0.883 χ^2/NDF: 1298917.4/26

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 985.704+/-561.371 χ^2/NDF:4.0/9

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

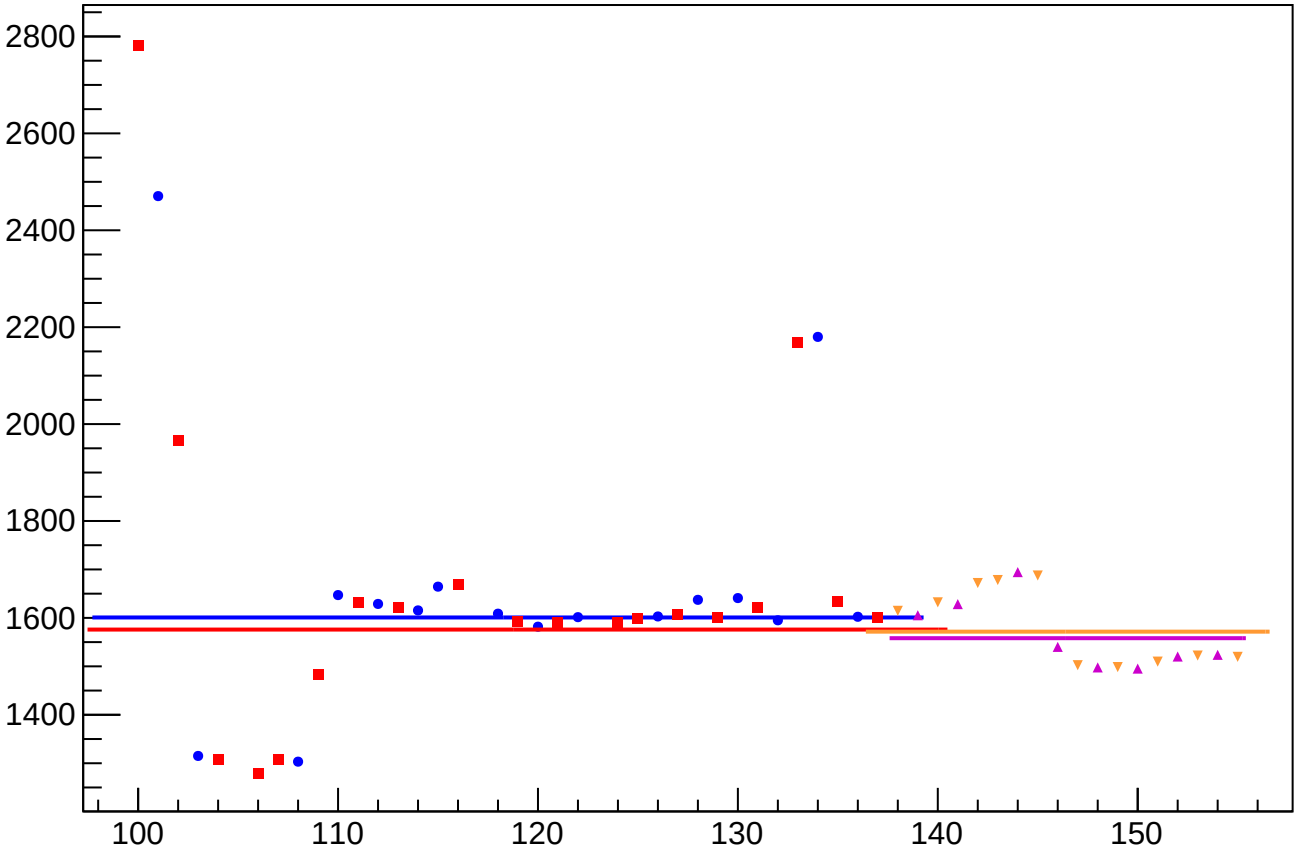
Left In: -2903.716+/-588.543 χ^2/NDF:7.8/7

+ sign 2154.073+/-410.303 χ^2/NDF: 22.1/25

All: -147.763+/-292.065 χ^2/NDF: 109.7/52

- sign -2512.097+/-415.836 χ^2/NDF: 23.8/26

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1571.596+/-0.397 χ^2/NDF:34844.7/9

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

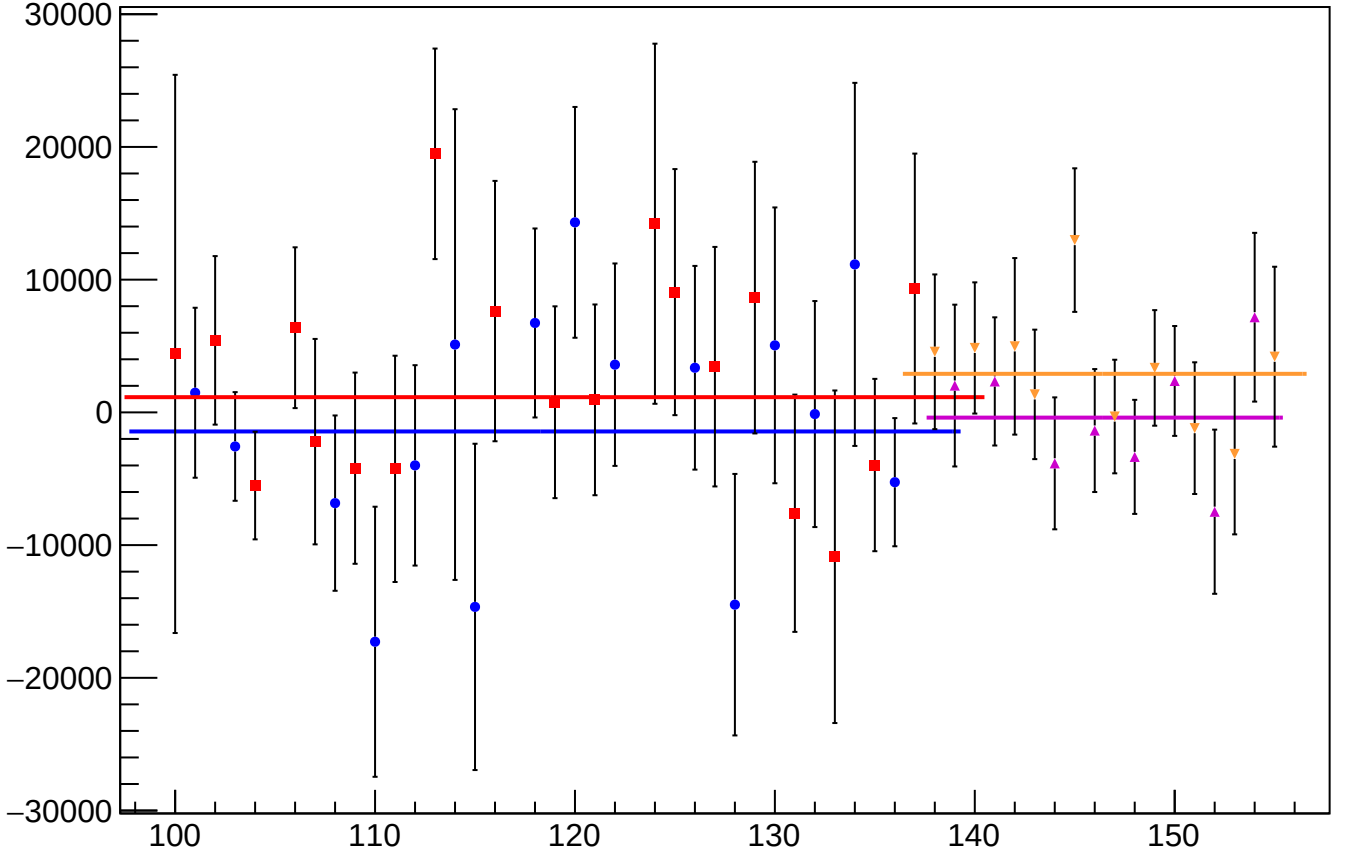
Left In: 1558.102+/-0.416 χ^2/NDF:24540.8/7

+ sign 1585.236+/-0.290 χ^2/NDF: 354792.8/25

All: 1576.247+/-0.206 χ^2/NDF: 625527.4/52

- sign 1567.050+/-0.293 χ^2/NDF: 268792.4/26

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2904.766+/-1652.600 χ^2/NDF:6.2/9

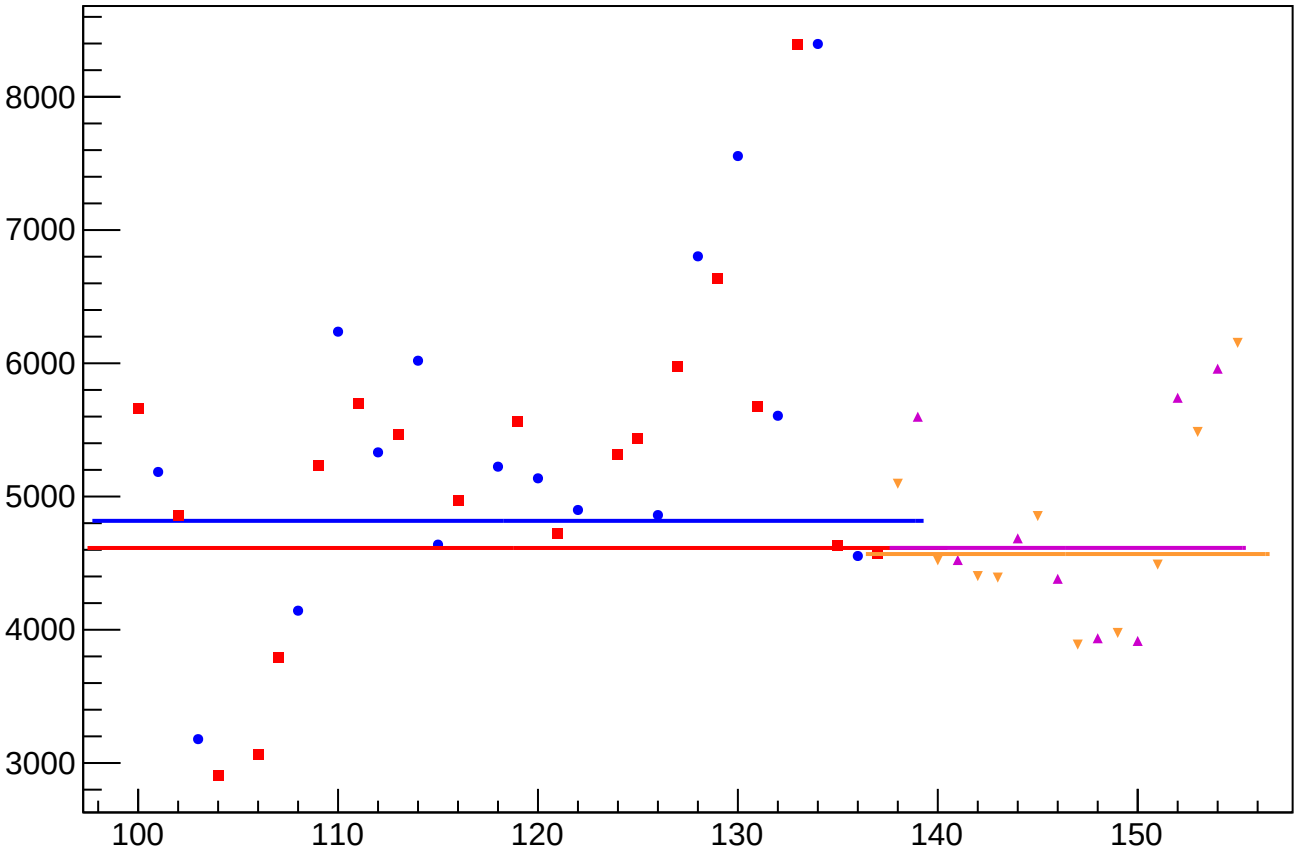
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -394.847+/-1766.967 χ^2/NDF:4.6/7

+ sign 975.699+/-1231.971 χ^2/NDF: 23.1/25

All: 680.110+/-877.050 χ^2/NDF: 44.5/52

- sign 376.354+/-1248.874 χ^2/NDF: 21.3/26



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4568.385+/-1.169 χ^2/NDF:269002.5/9

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

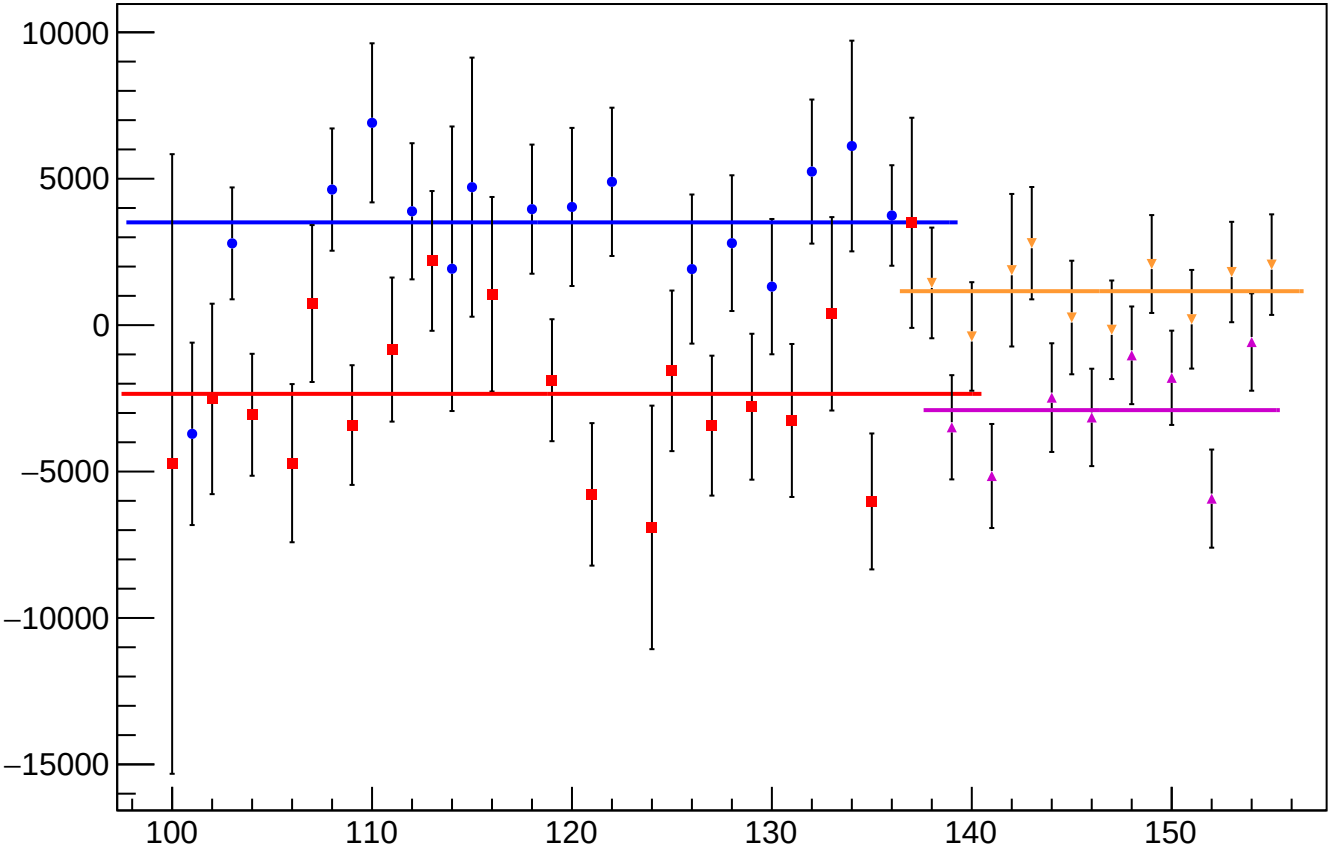
Left In: 4614.415+/-1.249 χ^2/NDF:320959.2/7

+ sign 4679.050+/-0.871 χ^2/NDF: 1084422.6/25

All: 4647.034+/-0.620 χ^2/NDF: 2386078.8/52

- sign 4614.132+/-0.883 χ^2/NDF: 1298917.4/26

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1159.369+/-577.417 χ^2/NDF:3.4/9

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

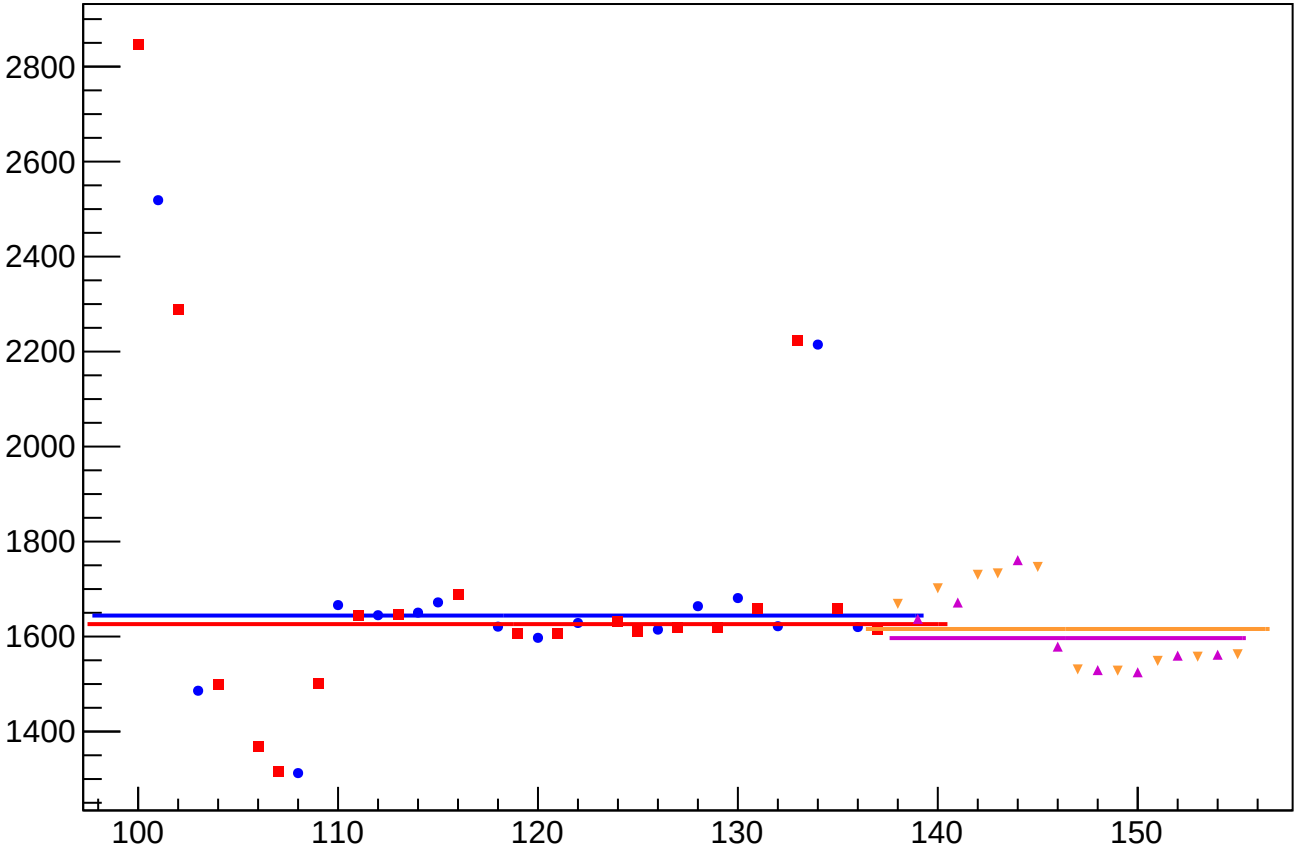
Left In: -2902.220+/-603.262 χ^2/NDF:8.7/7

+ sign 2257.163+/-421.507 χ^2/NDF: 21.5/25

All: -146.984+/-300.341 χ^2/NDF: 113.9/52

- sign -2626.485+/-428.062 χ^2/NDF: 26.3/26

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1615.937+/-0.408 χ^2/NDF:44248.0/9

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

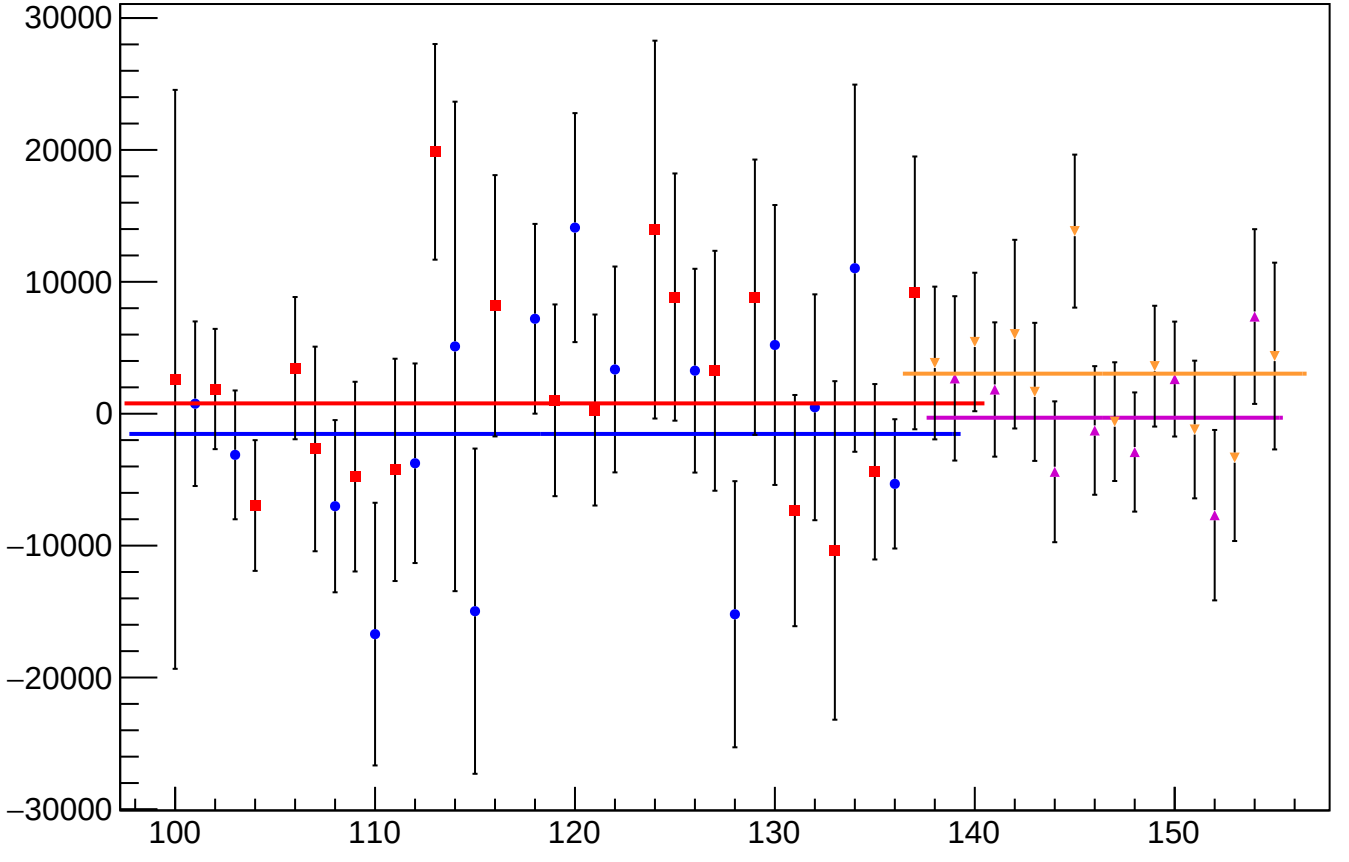
Left In: 1596.713+/-0.427 χ^2/NDF:29581.6/7

+ sign 1629.139+/-0.298 χ^2/NDF: 321303.8/25

All: 1620.379+/-0.212 χ^2/NDF: 592648.7/52

- sign 1611.353+/-0.303 χ^2/NDF: 269591.2/26

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 3037.173+/-1739.193 χ^2/NDF:6.3/9

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

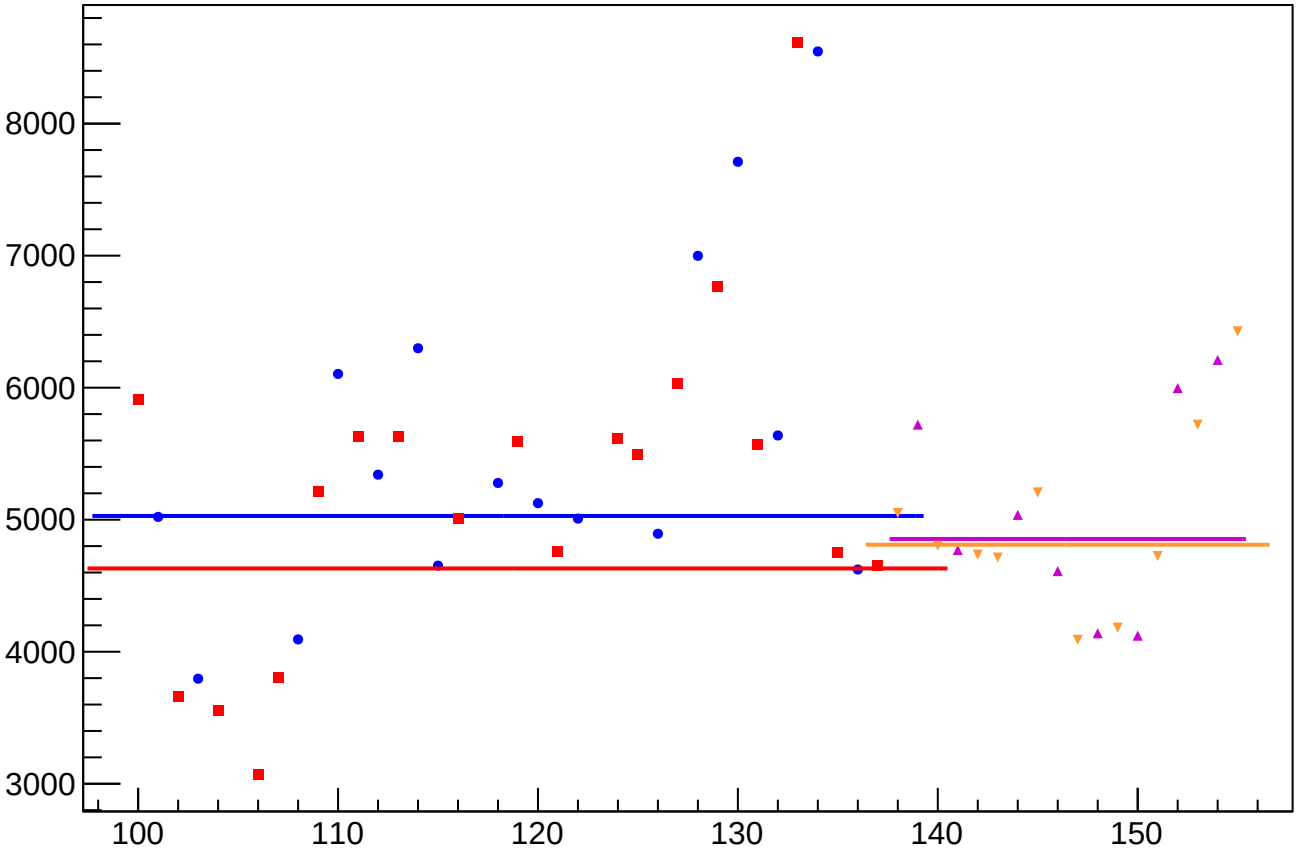
Left In: -303.359+/-1857.362 χ^2/NDF:4.5/7

\+ sign 970.436+/-1287.108 χ^2/NDF: 23.3/25

All: 618.028+/-905.147 χ^2/NDF: 43.2/52

\- sign 273.222+/-1273.148 χ^2/NDF: 19.7/26

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4810.656+/-1.230 χ^2/NDF:248654.9/9

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

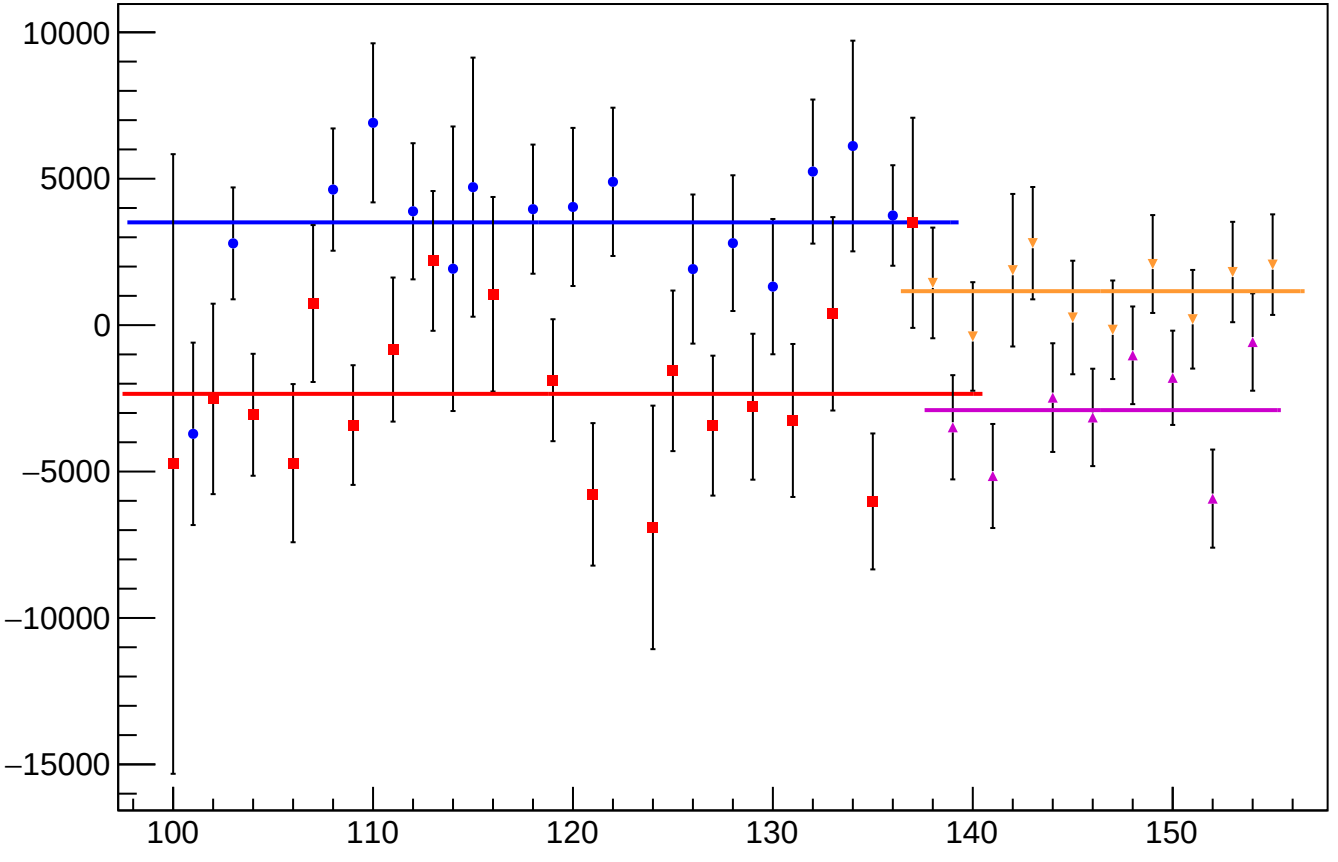
Left In: 4854.150+/-1.313 χ^2/NDF:299440.4/7

+ sign 4909.166+/-0.910 χ^2/NDF: 828310.5/25

All: 4821.536+/-0.640 χ^2/NDF: 2024925.3/52

- sign 4735.796+/-0.900 χ^2/NDF: 1178273.6/26

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1159.364+/-577.417 χ^2/NDF:3.4/9

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

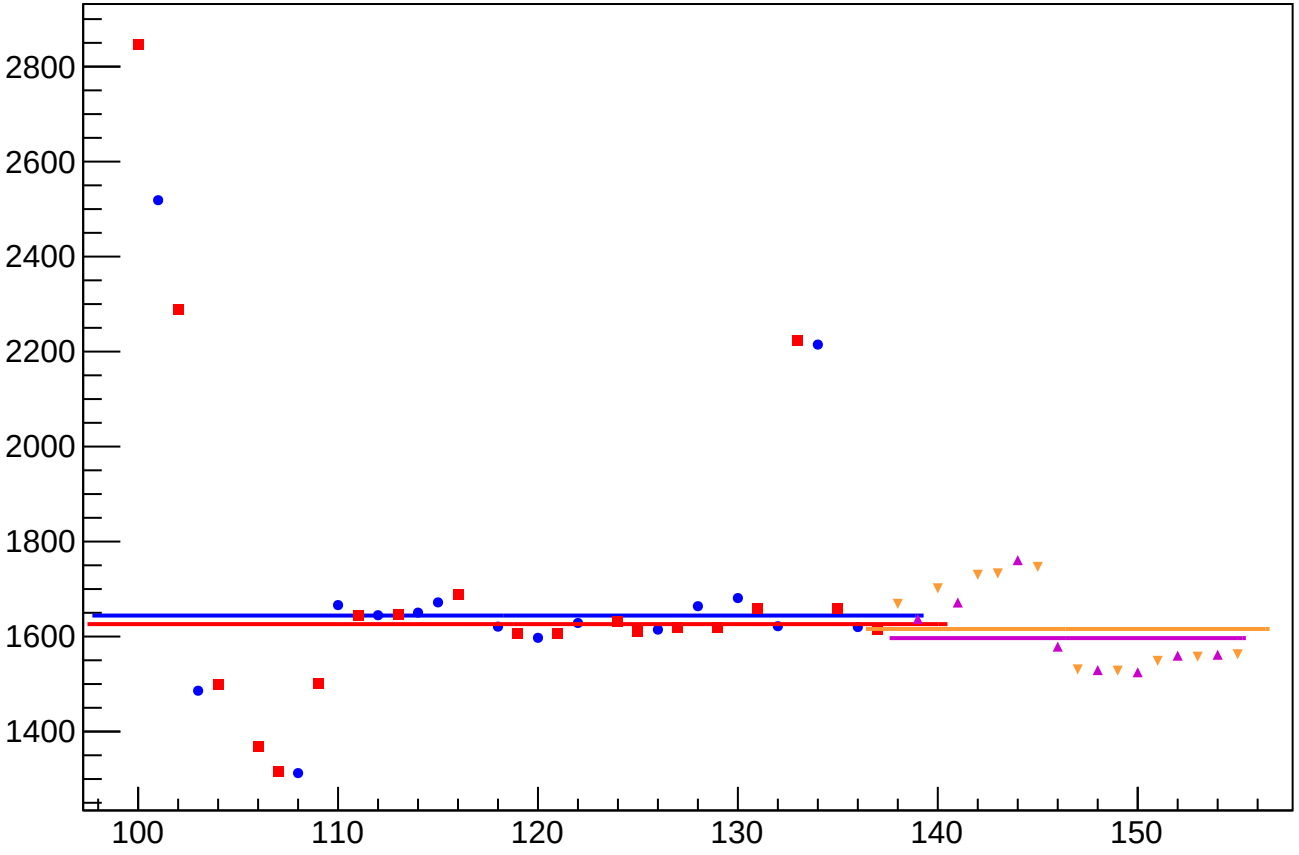
Left In: -2902.217+/-603.262 χ^2/NDF:8.7/7

+ sign 2257.162+/-421.507 χ^2/NDF: 21.5/25

All: -146.985+/-300.341 χ^2/NDF: 113.9/52

- sign -2626.486+/-428.062 χ^2/NDF: 26.3/26

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1615.938+/-0.408 χ^2/NDF:44248.1/9

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

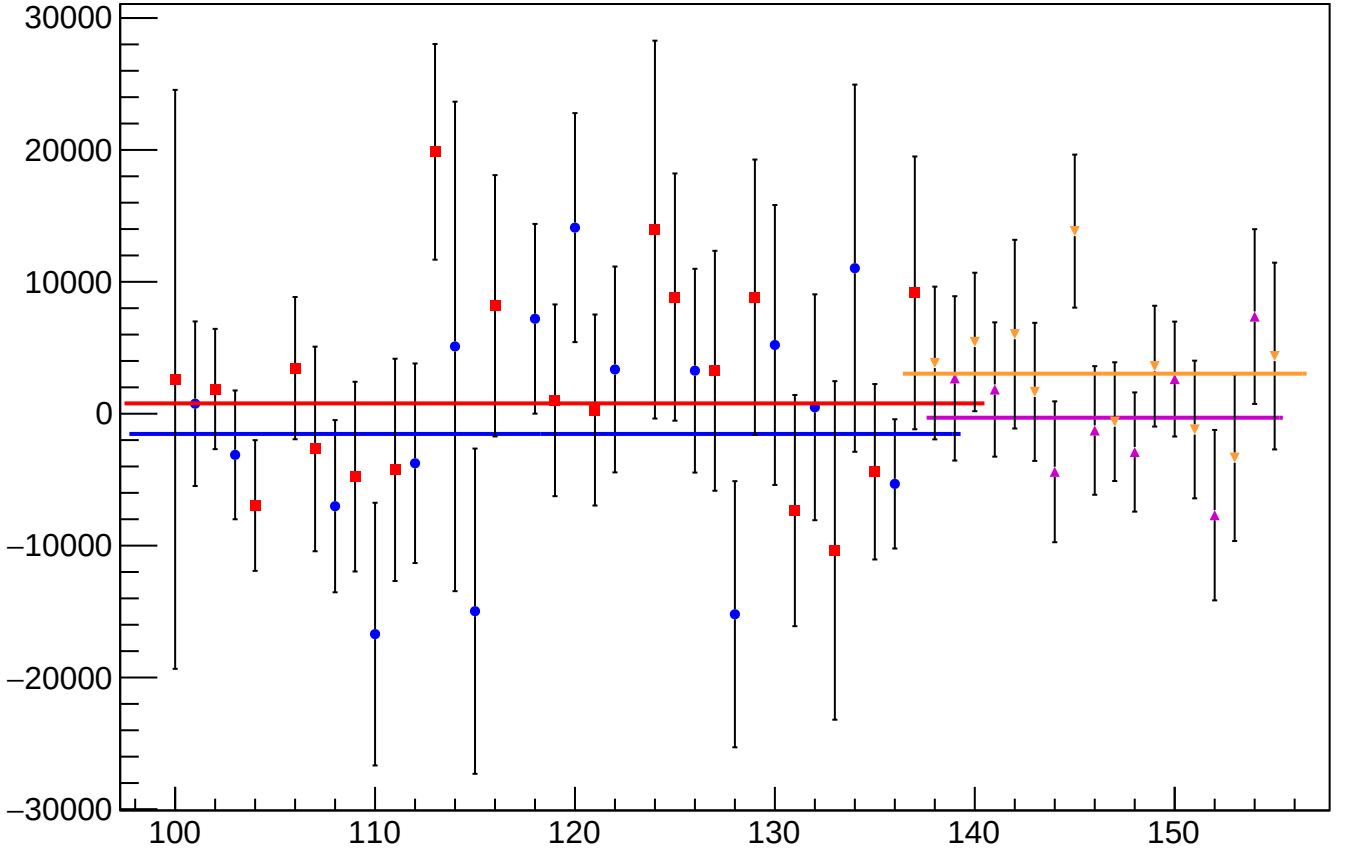
Left In: 1596.714+/-0.427 χ^2/NDF:29581.6/7

+ sign 1629.139+/-0.298 χ^2/NDF: 321303.9/25

All: 1620.380+/-0.212 χ^2/NDF: 592648.2/52

- sign 1611.354+/-0.303 χ^2/NDF: 269590.6/26

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 3037.170+/-1739.196 χ^2/NDF:6.3/9

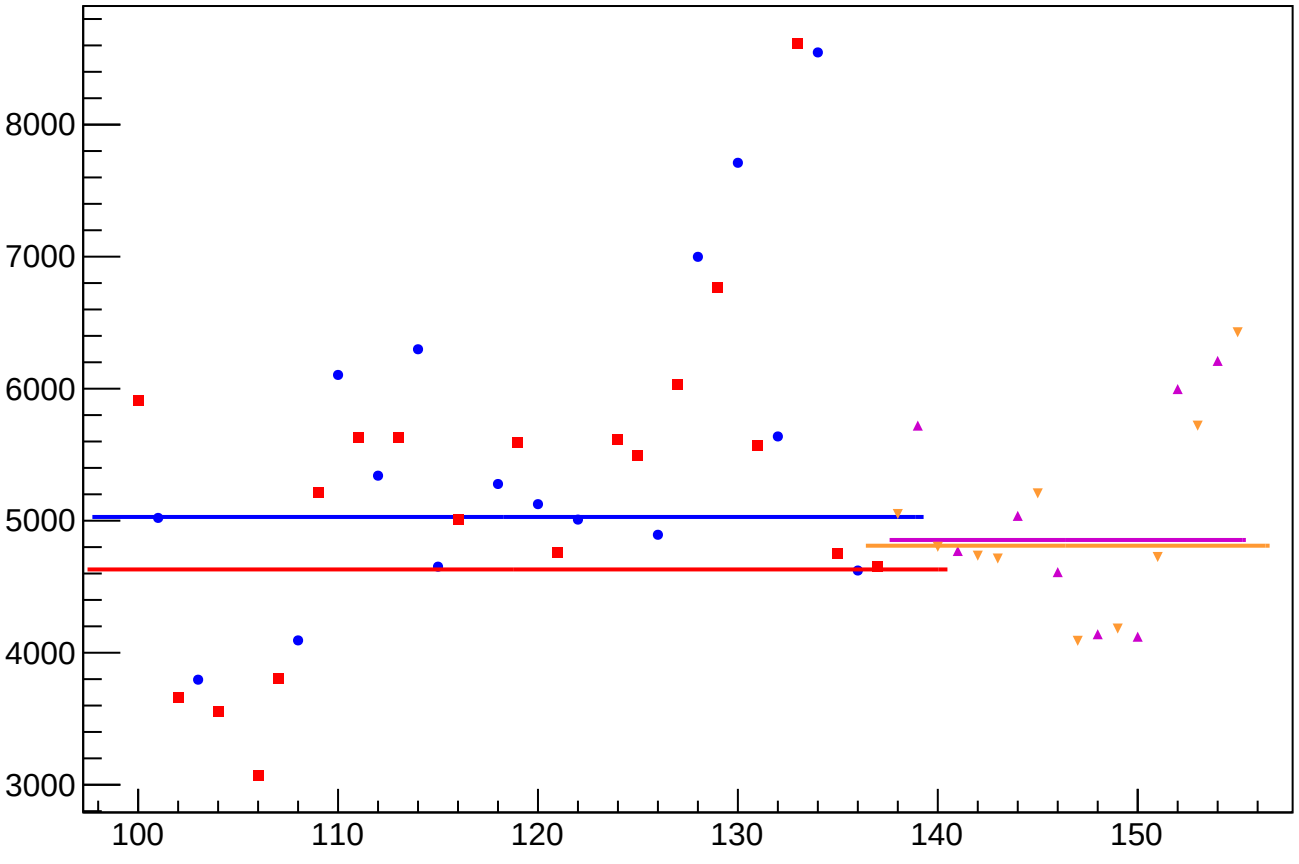
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -303.356+/-1857.365 χ^2/NDF:4.5/7

\+ sign 970.435+/-1287.108 χ^2/NDF: 23.3/25

All: 618.029+/-905.147 χ^2/NDF: 43.2/52

\- sign 273.226+/-1273.148 χ^2/NDF: 19.7/26



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4810.663+/-1.230 χ^2/NDF:248654.6/9

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

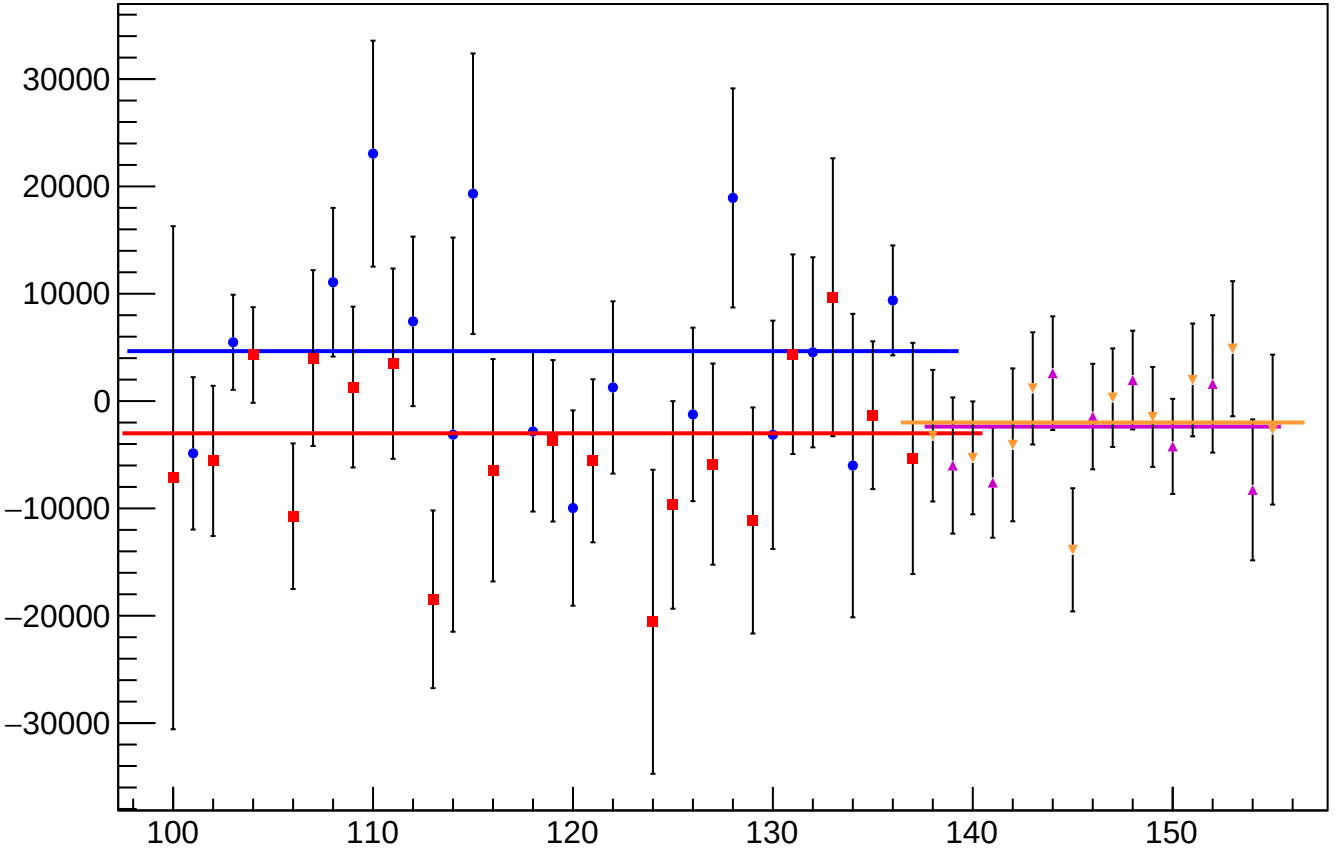
Left In: 4854.157+/-1.313 χ^2/NDF:299439.5/7

\+ sign 4909.167+/-0.910 χ^2/NDF: 828302.0/25

All: 4821.536+/-0.640 χ^2/NDF: 2024912.3/52

\- sign 4735.795+/-0.900 χ^2/NDF: 1178268.5/26

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -1993.234+/-1754.095 χ^2/NDF:7.2/9

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

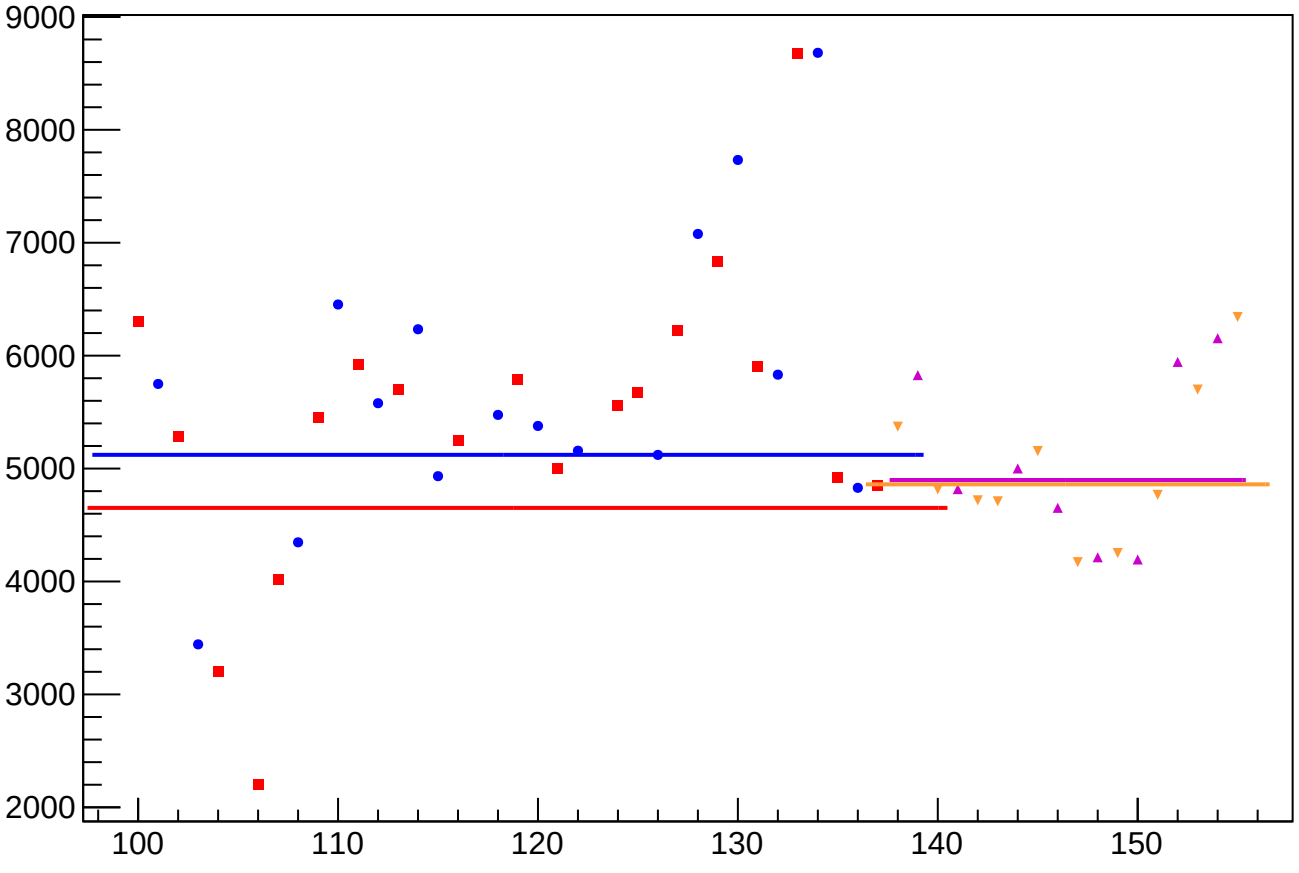
Left In: -2377.678+/-1871.293 χ^2/NDF:4.5/7

+ sign 965.134+/-1306.642 χ^2/NDF: 29.1/25

All: -832.548+/-931.140 χ^2/NDF: 51.4/52

- sign -2687.415+/-1327.261 χ^2/NDF: 18.4/26

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4860.267+/-1.240 χ^2/NDF:227271.5/9

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

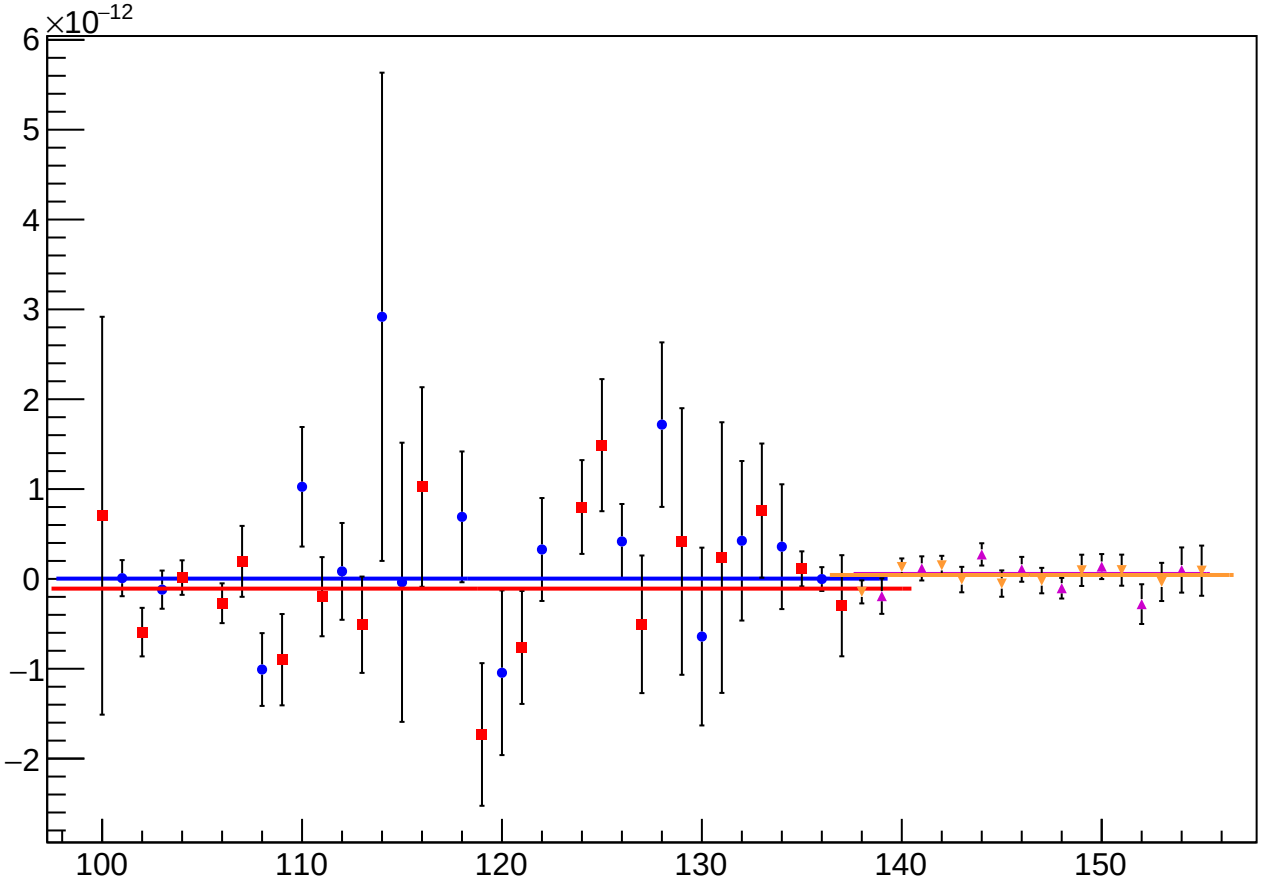
Left In: 4898.724+/-1.323 χ^2/NDF:270428.2/7

+ sign 4976.609+/-0.924 χ^2/NDF: 967407.8/25

All: 4873.460+/-0.652 χ^2/NDF: 2625523.8/52

- sign 4771.161+/-0.920 χ^2/NDF: 1633291.6/26

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:5.1/9

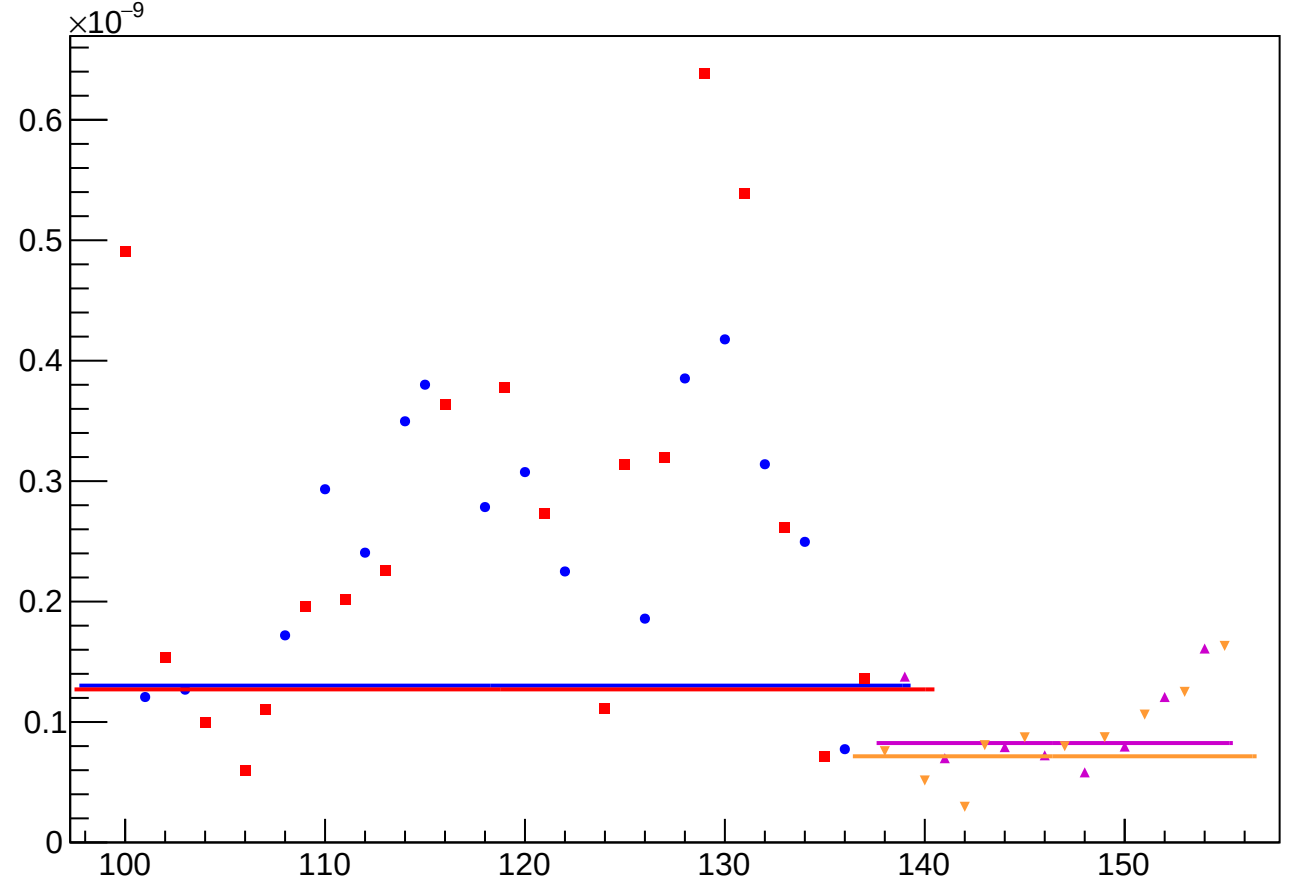
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 23.3/25

All: 0.000+/-0.000 χ^2/NDF: 60.6/52

- sign 0.000+/-0.000 χ^2/NDF: 37.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:878066.1/9

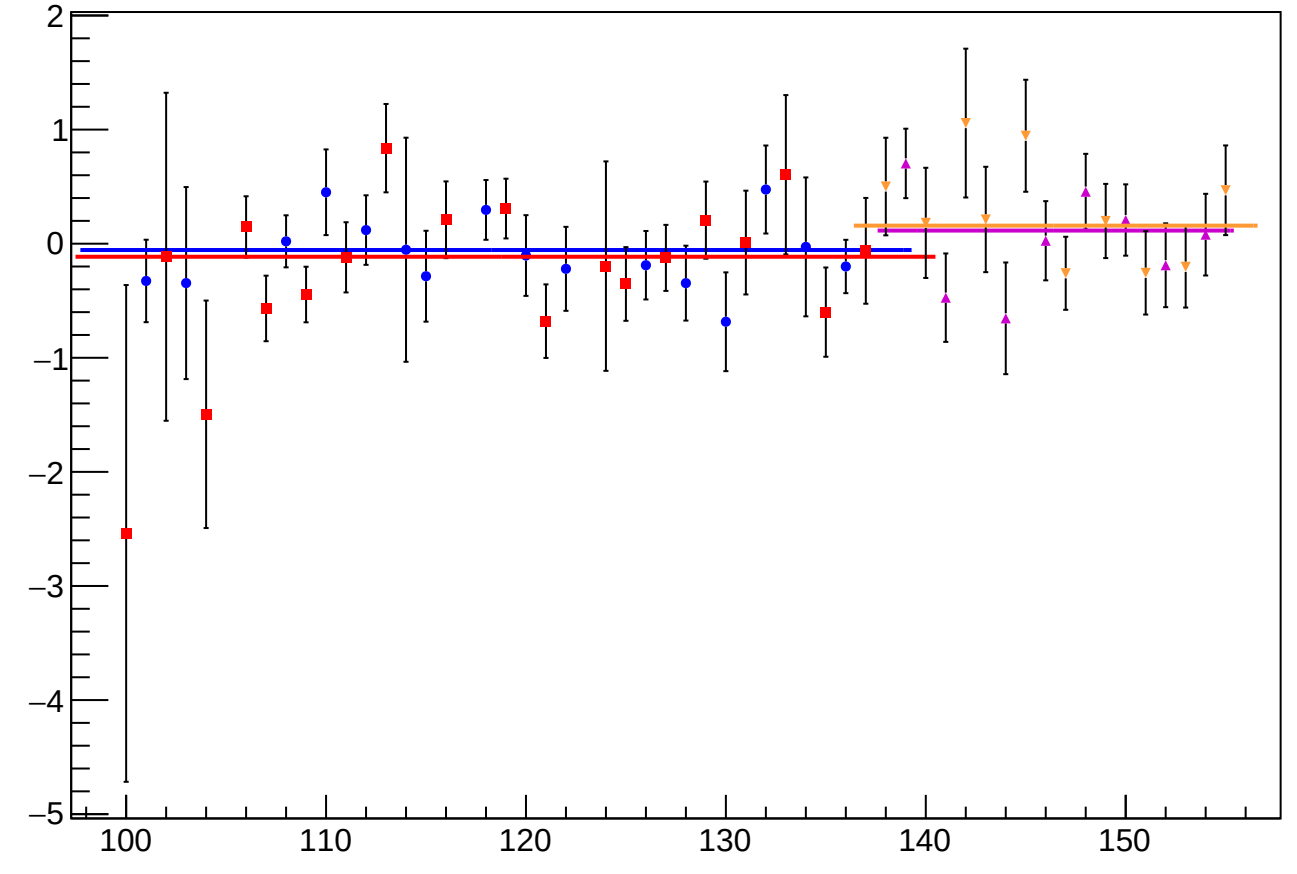
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:531168.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 2934959.1/25

All: 0.000+/-0.000 χ^2/NDF: 5625212.9/52

- sign 0.000+/-0.000 χ^2/NDF: 2633479.2/26



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.158+/-0.127 χ^2/NDF:9.8/9

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

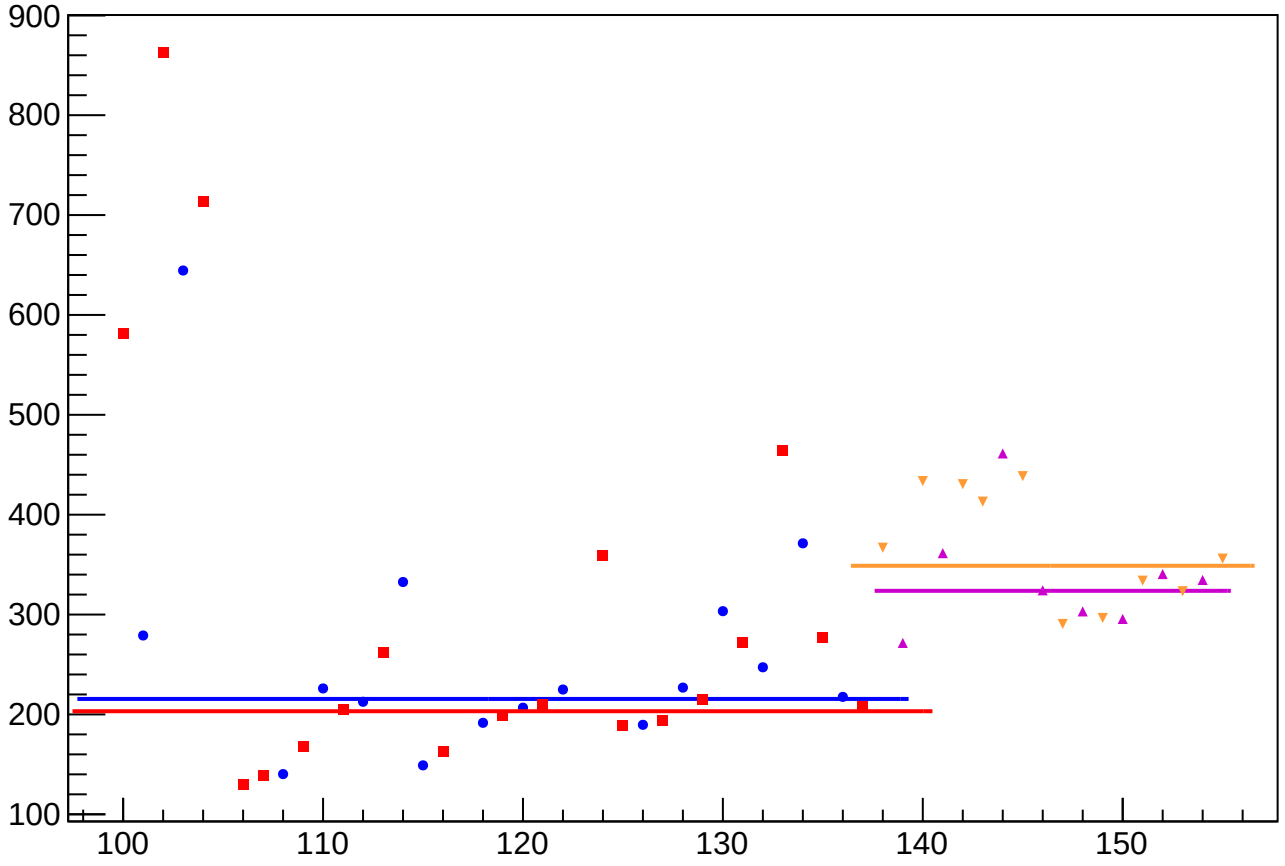
Left In: 0.115+/-0.125 χ^2/NDF:10.4/7

+ sign 0.011+/-0.071 χ^2/NDF: 22.4/25

All: -0.017+/-0.050 χ^2/NDF: 60.7/52

- sign -0.044+/-0.069 χ^2/NDF: 38.0/26

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: 348.839+/-0.090 χ^2/NDF:334272.1/9

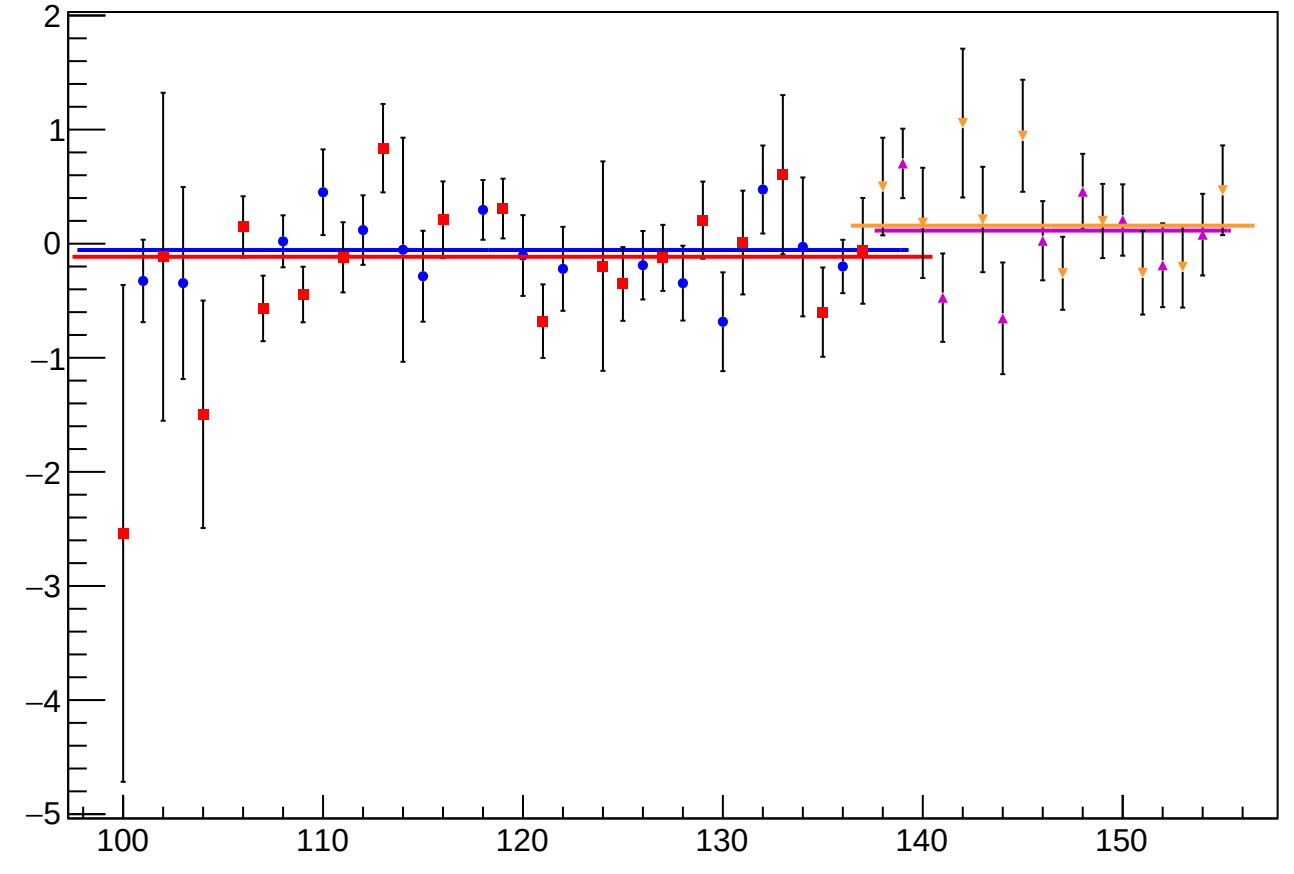
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 323.766+/-0.088 χ^2/NDF:265585.9/7

+ sign 257.064+/-0.050 χ^2/NDF: 2999428.3/25

All: 248.536+/-0.035 χ^2/NDF: 6452631.5/52

- sign 240.417+/-0.049 χ^2/NDF: 3396738.5/26



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.158+/-0.127 χ^2/NDF:9.8/9

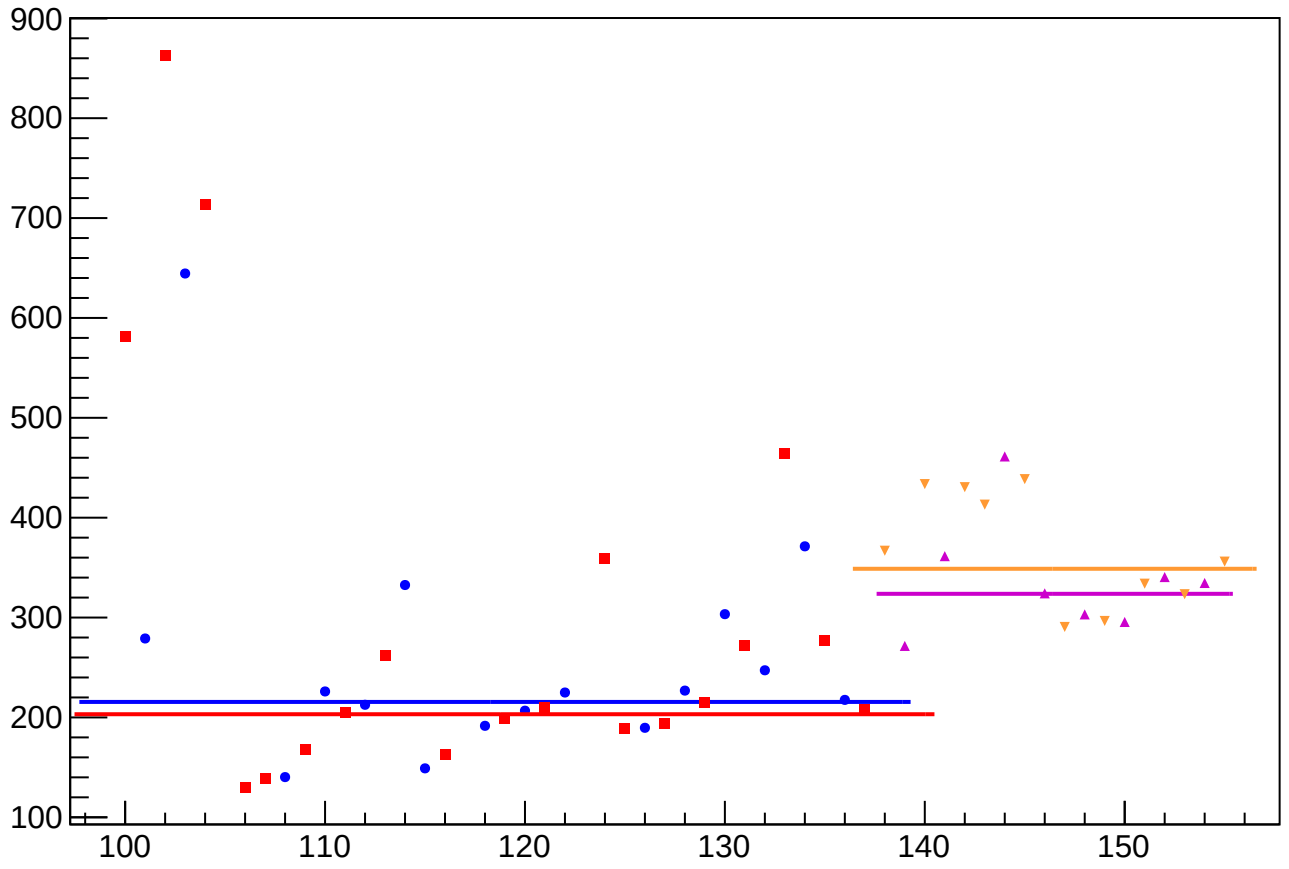
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.115+/-0.125 χ^2/NDF:10.4/7

+ sign 0.011+/-0.071 χ^2/NDF: 22.4/25

All: -0.017+/-0.050 χ^2/NDF: 60.7/52

- sign -0.044+/-0.069 χ^2/NDF: 38.0/26



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.839+/-0.090 χ^2/NDF:334272.1/9

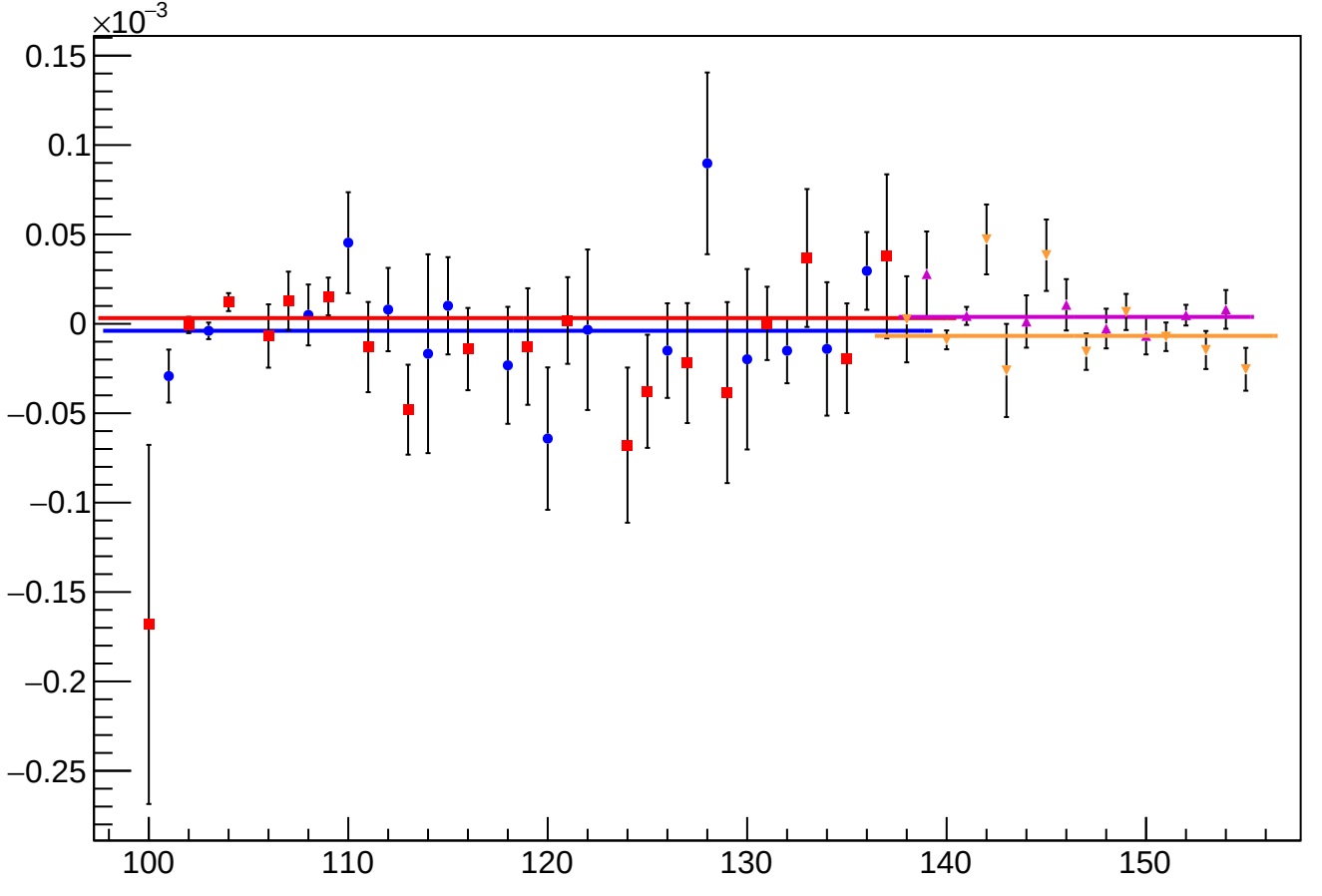
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 323.766+/-0.088 χ^2/NDF:265585.9/7

+ sign 257.064+/-0.050 χ^2/NDF: 2999428.3/25

All: 248.536+/-0.035 χ^2/NDF: 6452631.5/52

- sign 240.417+/-0.049 χ^2/NDF: 3396738.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/9

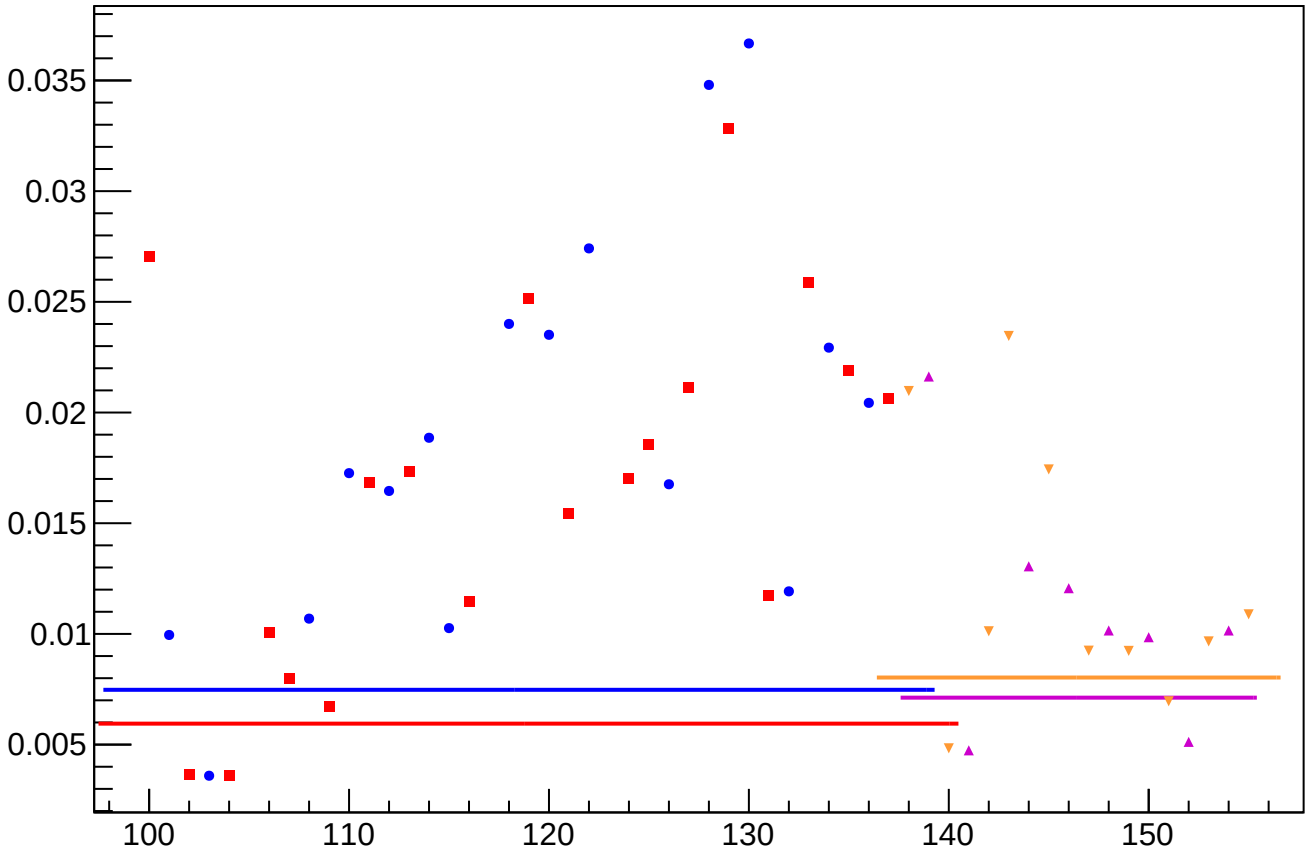
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/25

All: -0.000+/-0.000 χ^2/NDF: 67.7/52

- sign 0.000+/-0.000 χ^2/NDF: 24.5/26



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2735315.9/9

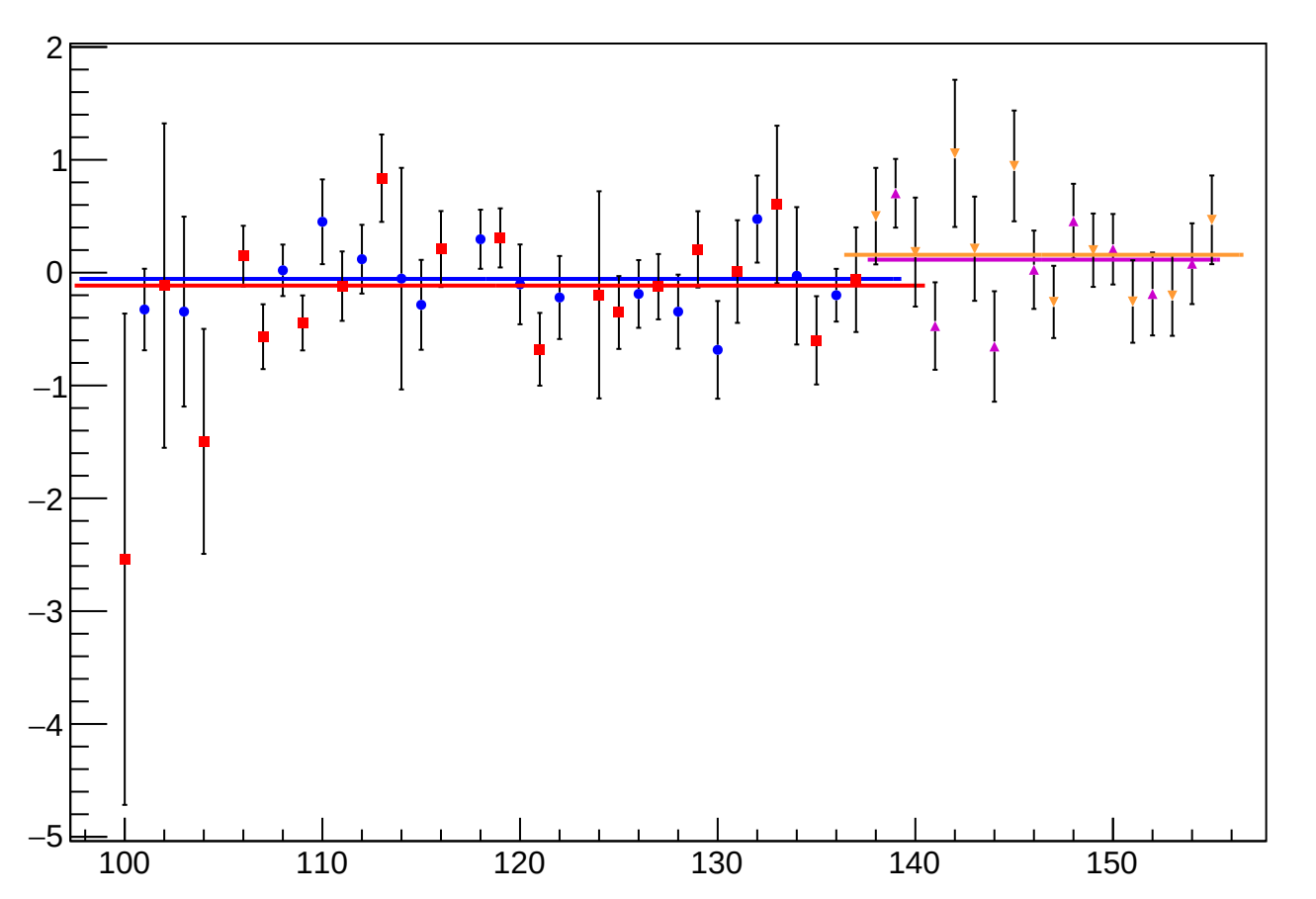
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:2435401.6/7

+ sign 0.008+/-0.000 χ^2/NDF: 8836279.5/25

All: 0.007+/-0.000 χ^2/NDF: 17680239.0/52

- sign 0.007+/-0.000 χ^2/NDF: 8524224.2/26



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.158+/-0.127 χ^2/NDF:9.8/9

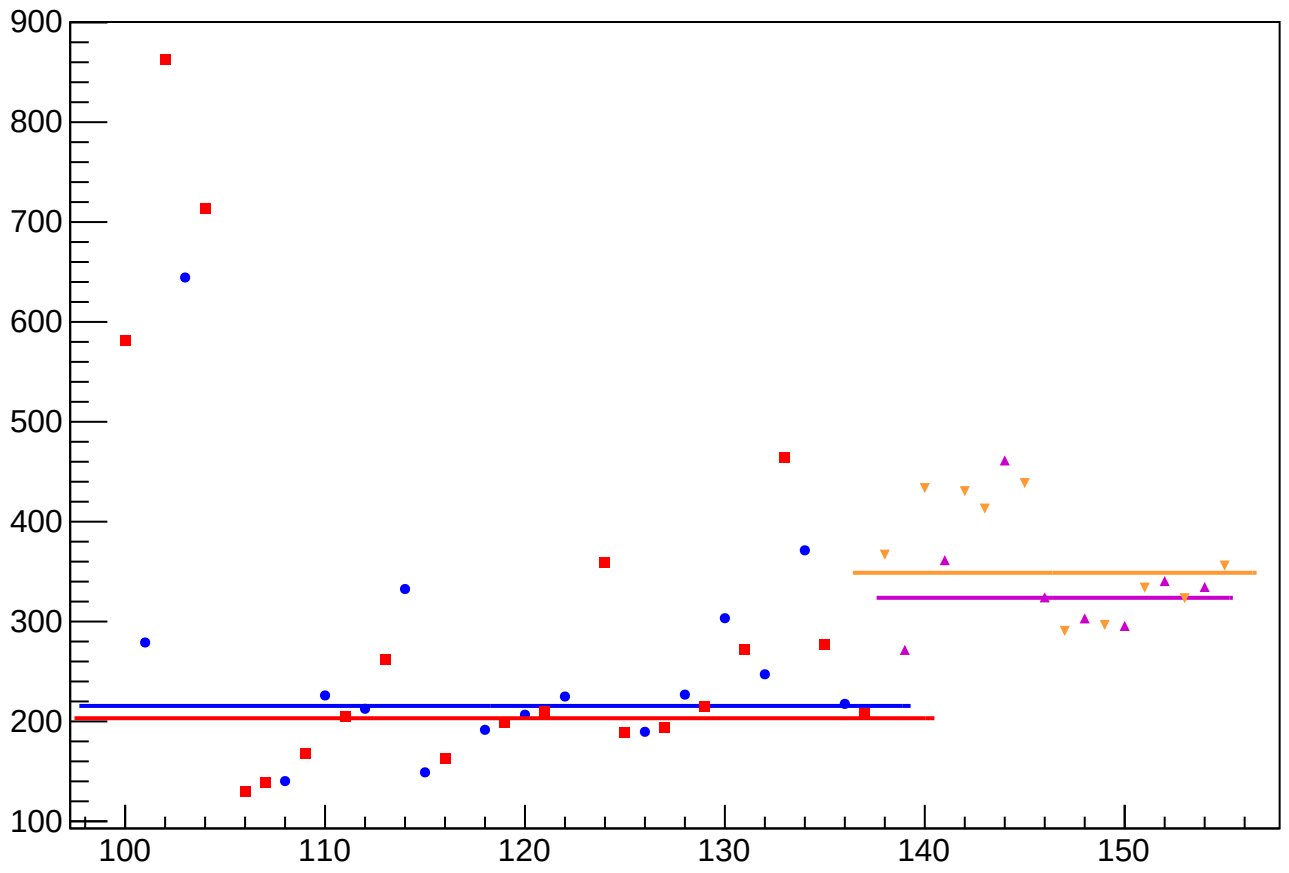
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.115+/-0.125 χ^2/NDF:10.4/7

+ sign 0.011+/-0.071 χ^2/NDF: 22.4/25

All: -0.017+/-0.050 χ^2/NDF: 60.7/52

- sign -0.044+/-0.069 χ^2/NDF: 38.0/26



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.844+/-0.090 χ^2/NDF:334263.3/9

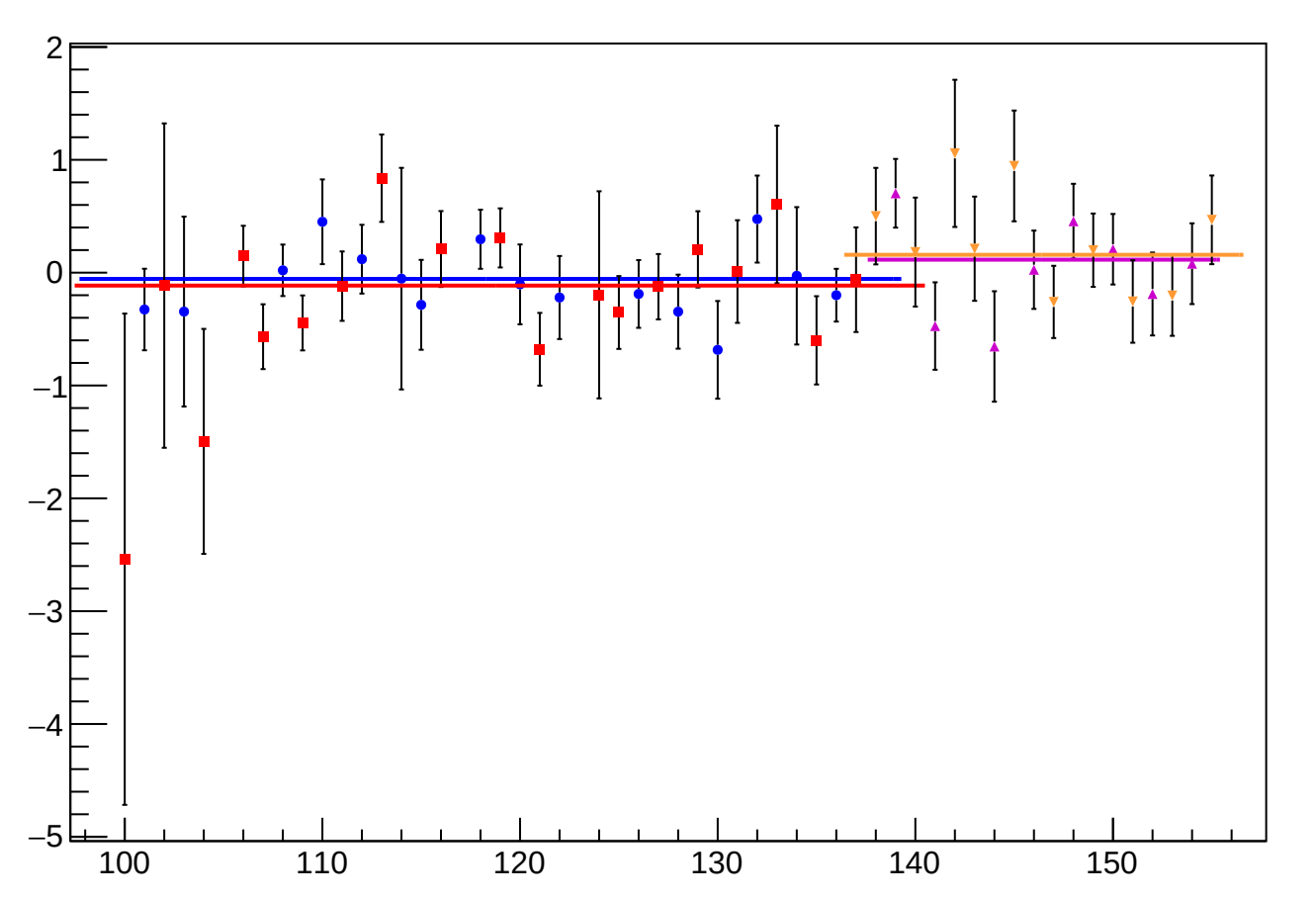
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 323.771+/-0.088 χ^2/NDF:265571.2/7

+ sign 257.064+/-0.050 χ^2/NDF: 2999504.0/25

All: 248.535+/-0.035 χ^2/NDF: 6452787.8/52

- sign 240.416+/-0.049 χ^2/NDF: 3396817.6/26



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.158+/-0.127 χ^2/NDF:9.8/9

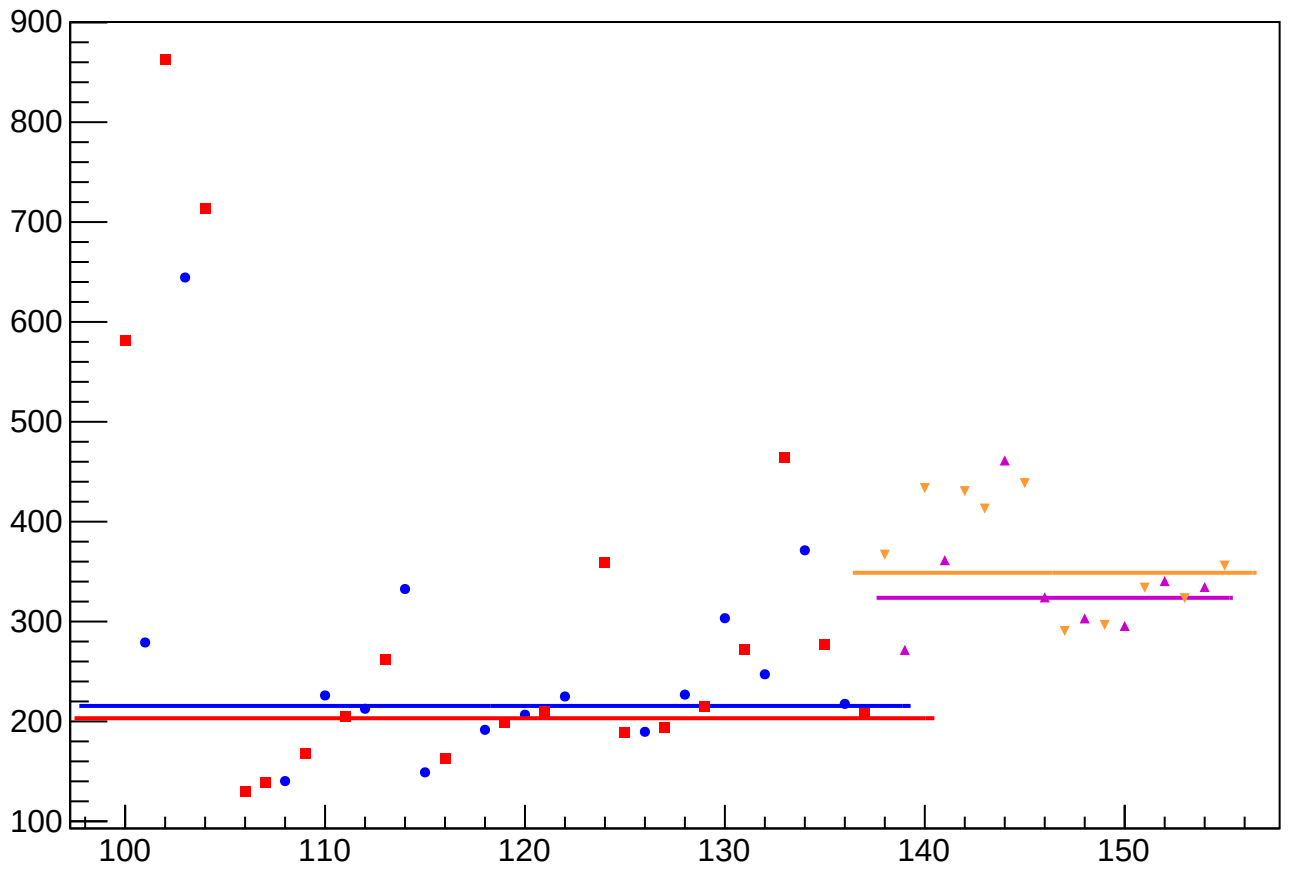
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.115+/-0.125 χ^2/NDF:10.4/7

+ sign 0.011+/-0.071 χ^2/NDF: 22.4/25

All: -0.017+/-0.050 χ^2/NDF: 60.7/52

- sign -0.044+/-0.069 χ^2/NDF: 38.0/26



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.844+/-0.090 χ^2/NDF:334263.3/9

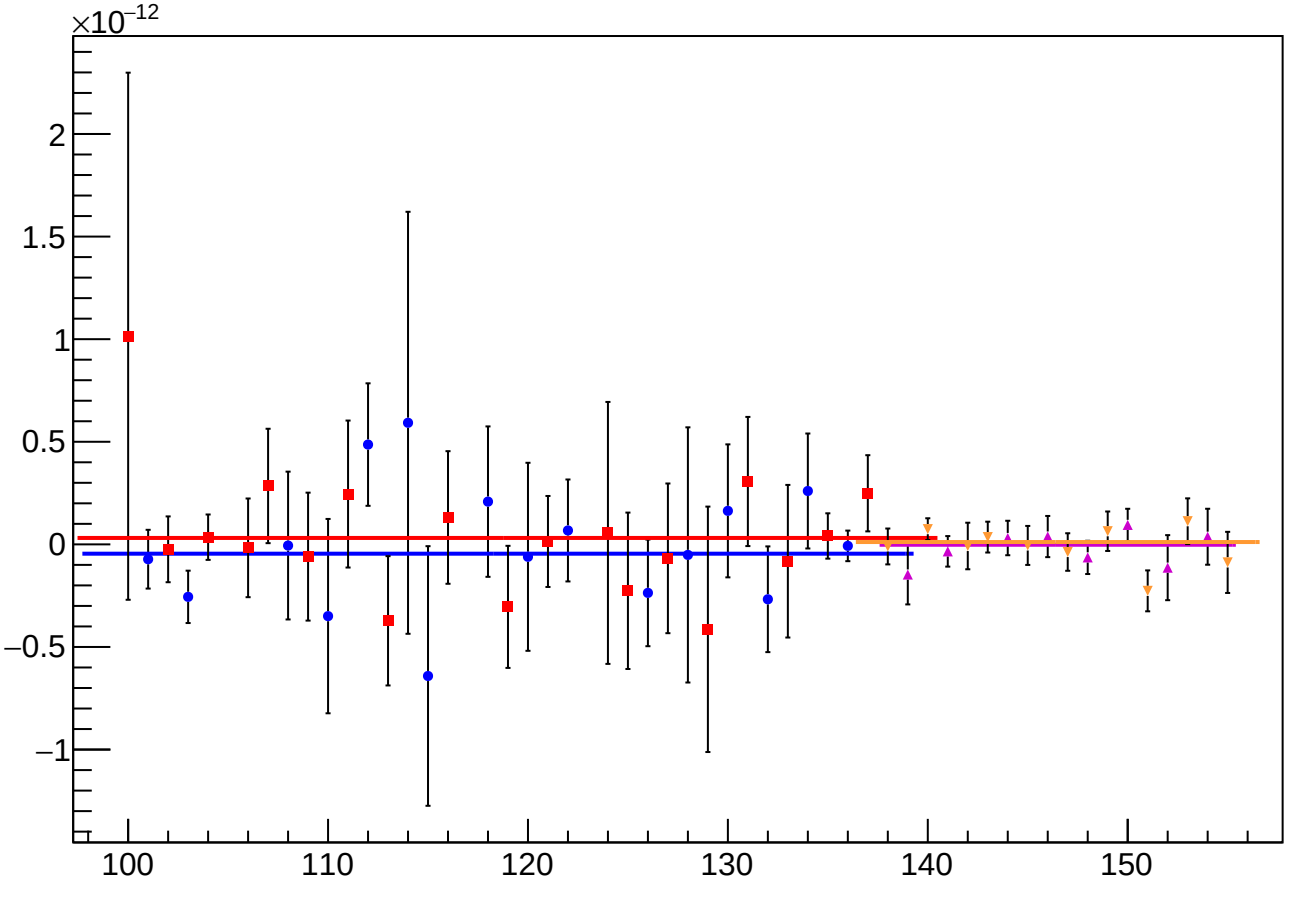
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 323.771+/-0.088 χ^2/NDF:265571.2/7

+ sign 257.064+/-0.050 χ^2/NDF: 2999504.0/25

All: 248.535+/-0.035 χ^2/NDF: 6452787.8/52

- sign 240.416+/-0.049 χ^2/NDF: 3396817.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/9

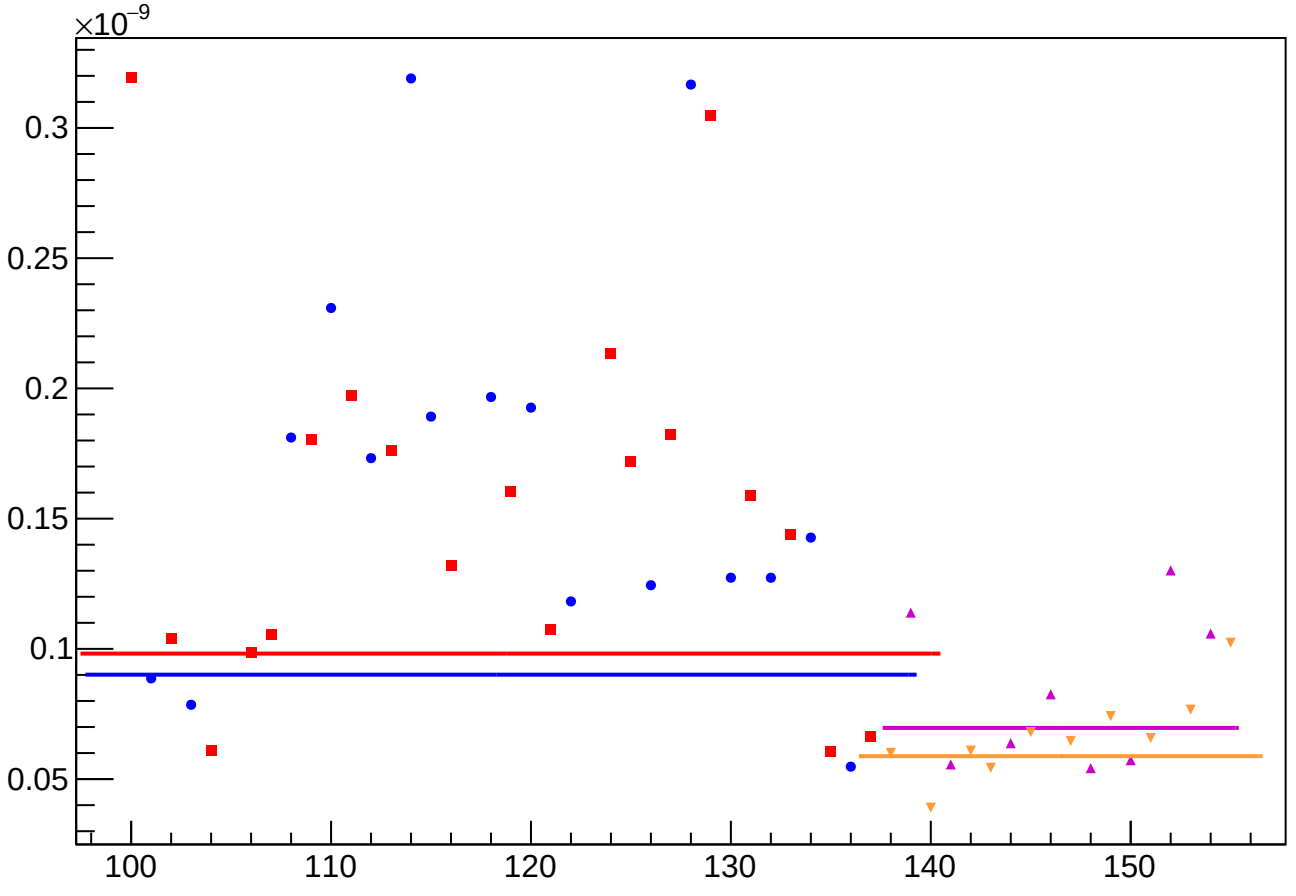
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/25

All: 0.000+/-0.000 χ^2/NDF: 34.5/52

- sign 0.000+/-0.000 χ^2/NDF: 12.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:596186.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

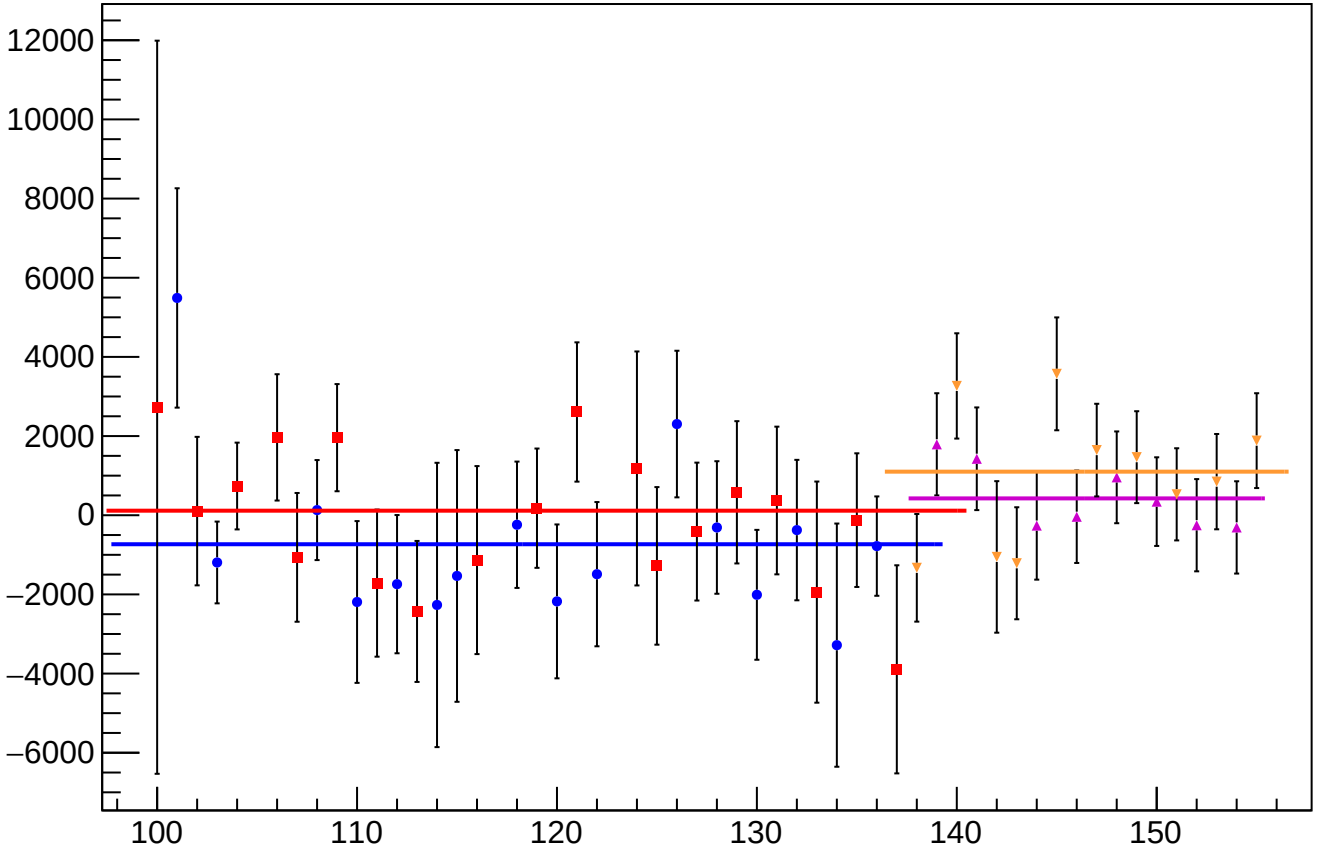
Left In: 0.000+/-0.000 χ^2/NDF:853178.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 3004472.7/25

All: 0.000+/-0.000 χ^2/NDF: 6180722.8/52

- sign 0.000+/-0.000 χ^2/NDF: 2970546.5/26

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1100.928+/-409.324 χ^2/NDF:13.8/9

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

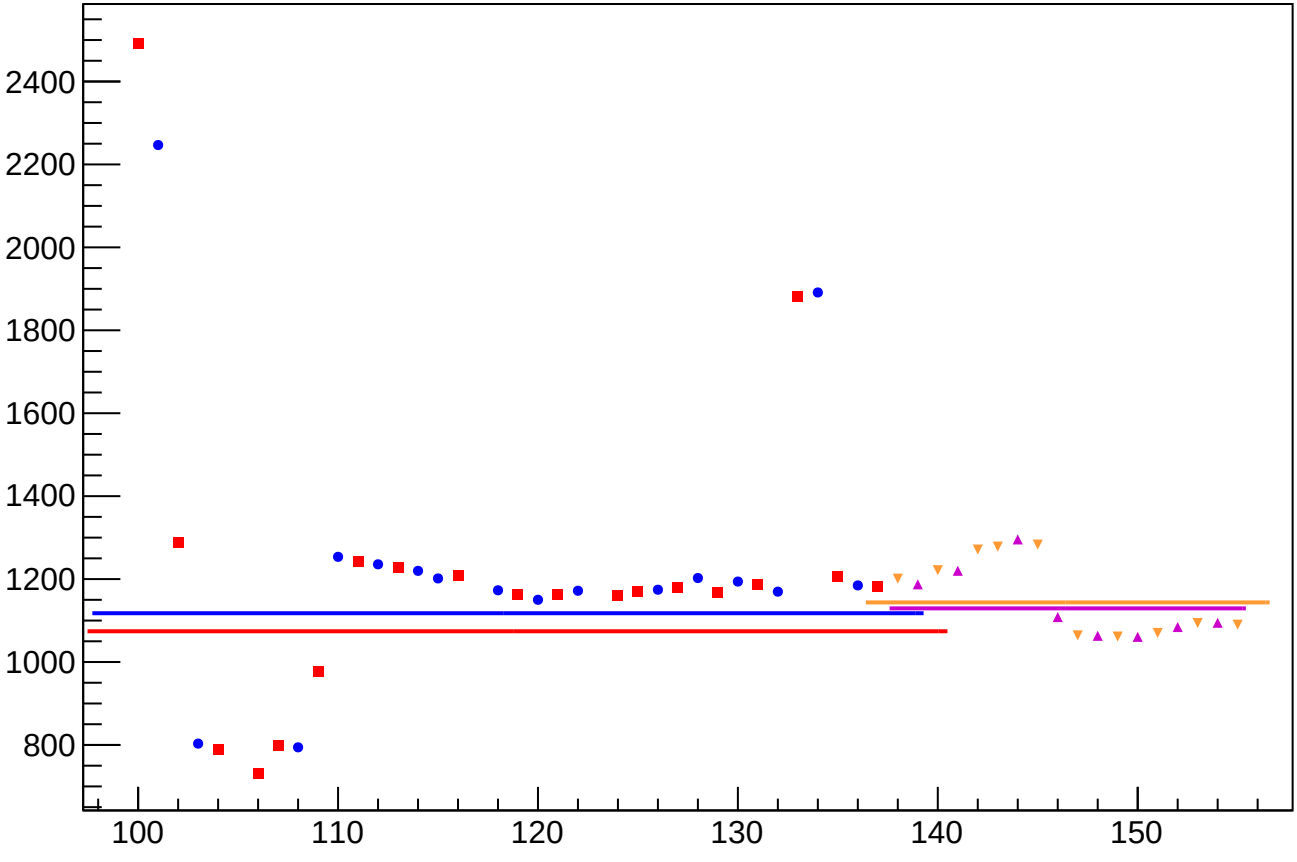
Left In: 425.266+/-427.216 χ^2/NDF:3.1/7

+ sign 223.651+/-295.614 χ^2/NDF: 35.1/25

All: 243.934+/-209.291 χ^2/NDF: 51.6/52

- sign 264.319+/-296.351 χ^2/NDF: 16.5/26

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1143.735+/-0.289 χ^2/NDF:91164.3/9

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

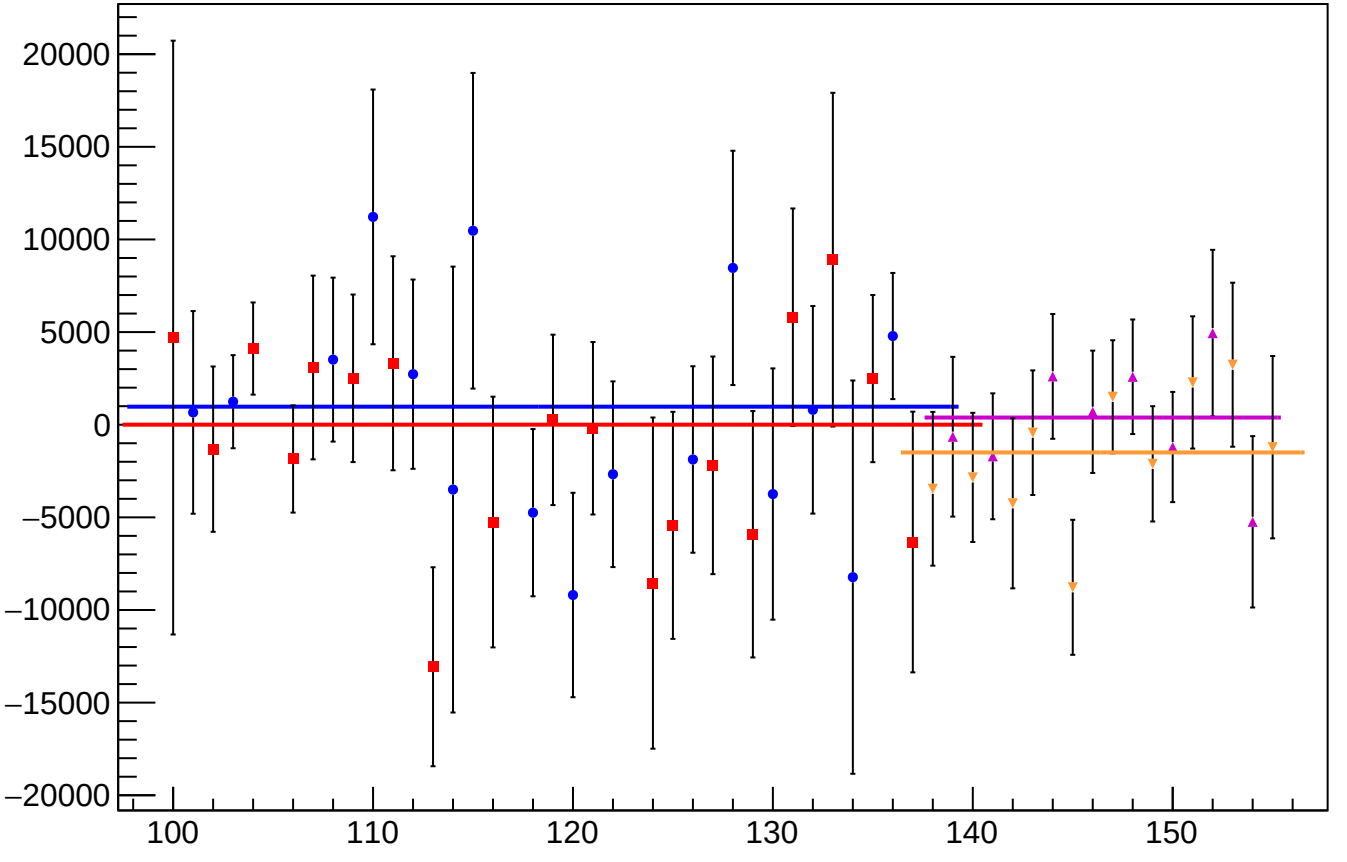
Left In: 1129.396+/-0.302 χ^2/NDF:62932.2/7

+ sign 1131.271+/-0.209 χ^2/NDF: 914875.4/25

All: 1115.859+/-0.148 χ^2/NDF: 1655660.6/52

- sign 1100.504+/-0.209 χ^2/NDF: 729932.5/26

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -1497.025+/-1168.040 χ^2/NDF:8.1/9

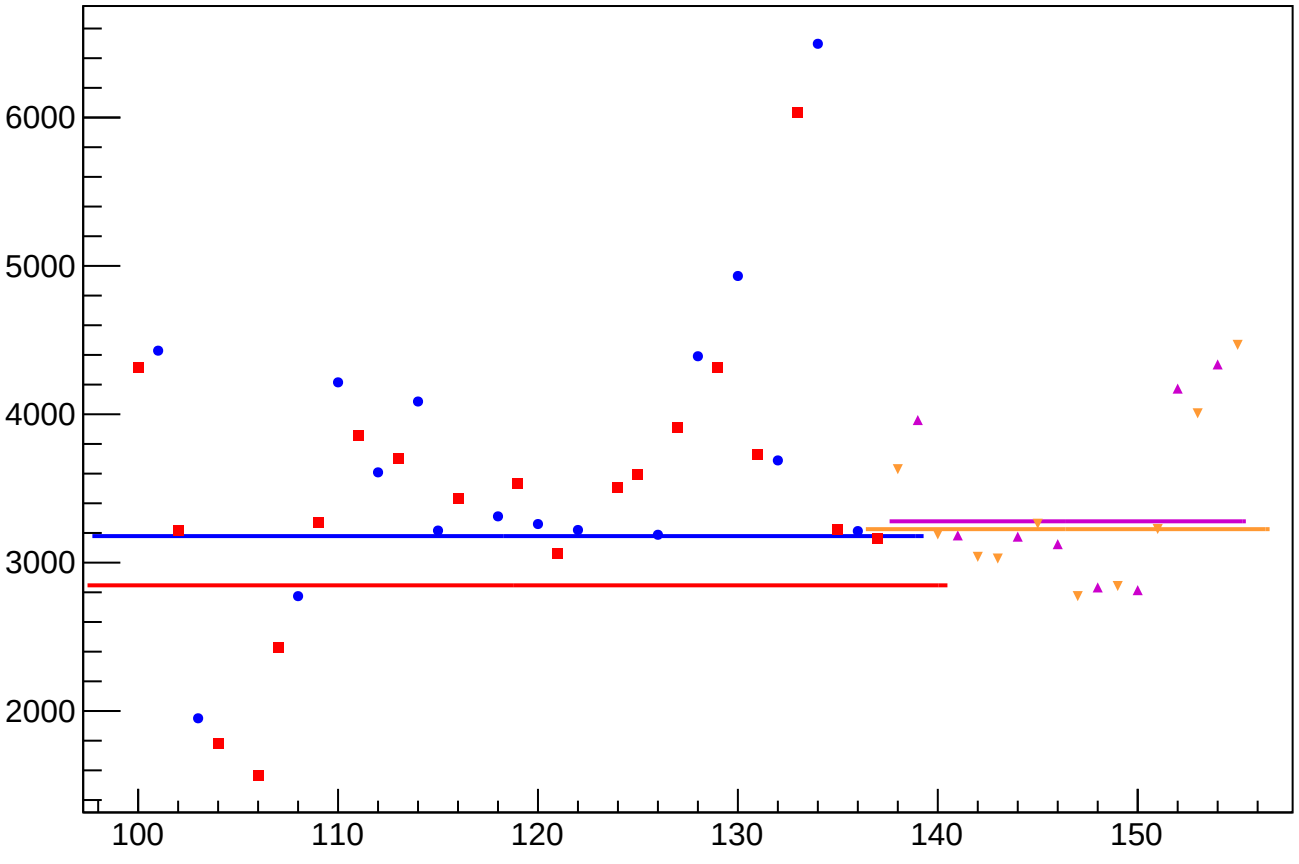
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 387.310+/-1255.796 χ^2/NDF:4.2/7

+ sign -328.186+/-847.884 χ^2/NDF: 24.0/25

All: -73.677+/-594.327 χ^2/NDF: 45.0/52

- sign 172.160+/-833.316 χ^2/NDF: 20.8/26



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3225.682+/-0.826 χ^2/NDF:293326.8/9

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

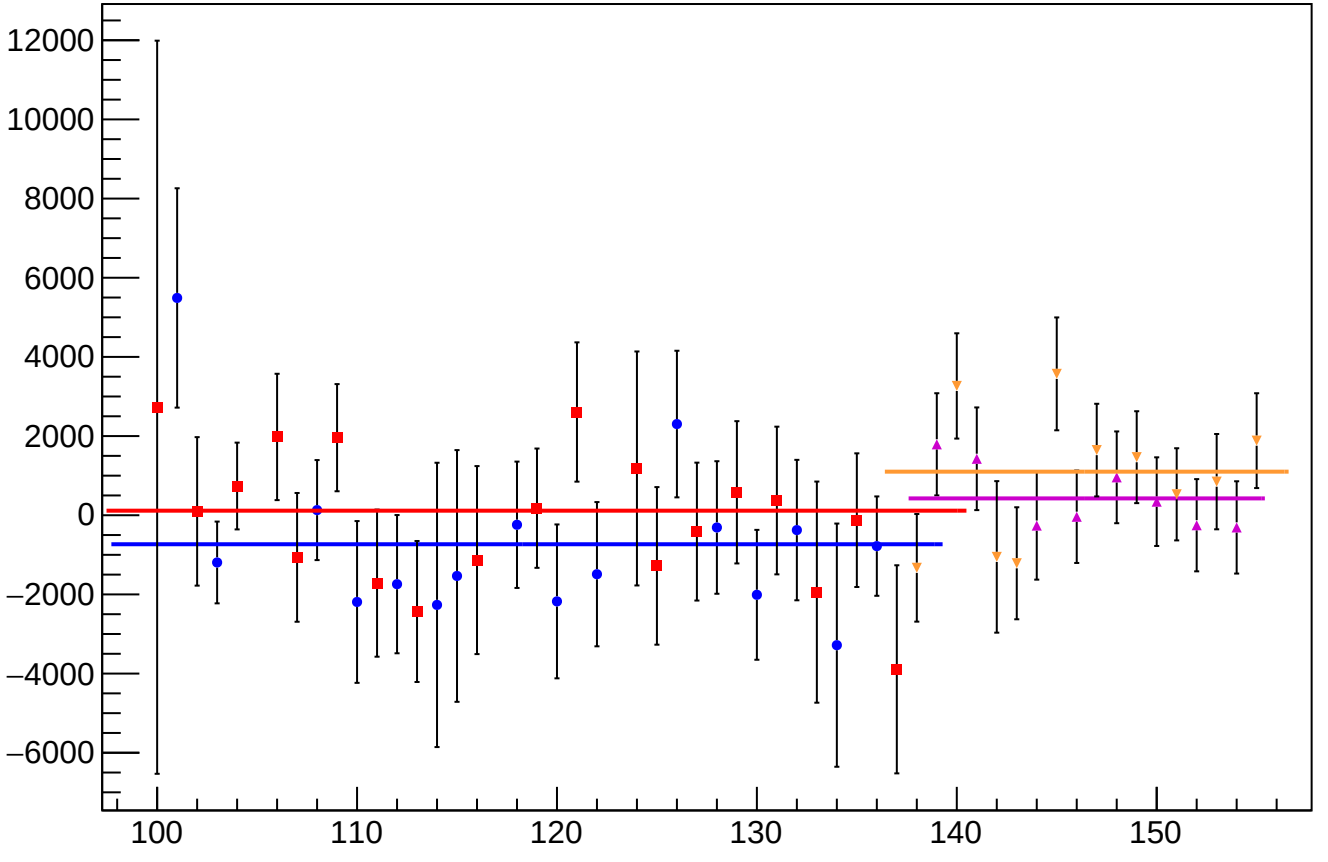
Left In: 3278.516+/-0.888 χ^2/NDF:331829.4/7

+ sign 3203.537+/-0.600 χ^2/NDF: 1386523.3/25

All: 3118.835+/-0.420 χ^2/NDF: 3400906.4/52

- sign 3037.020+/-0.589 χ^2/NDF: 1975145.3/26

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1100.940+/-409.324 χ^2/NDF:13.8/9

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

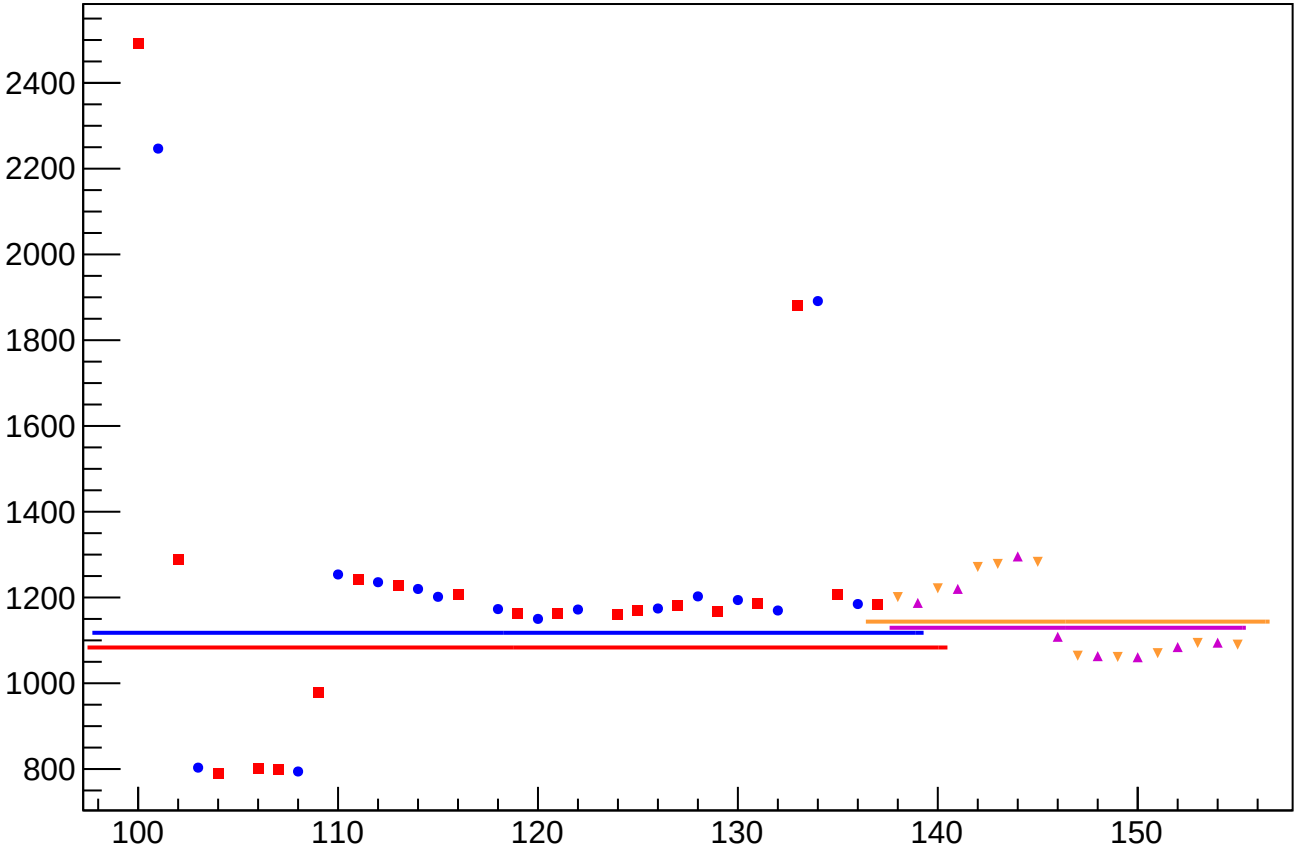
Left In: 425.273+/-427.216 χ^2/NDF:3.1/7

+ sign 223.689+/-295.615 χ^2/NDF: 35.1/25

All: 244.025+/-209.292 χ^2/NDF: 51.6/52

- sign 264.462+/-296.353 χ^2/NDF: 16.5/26

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1143.735+/-0.289 χ^2/NDF:91164.3/9

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

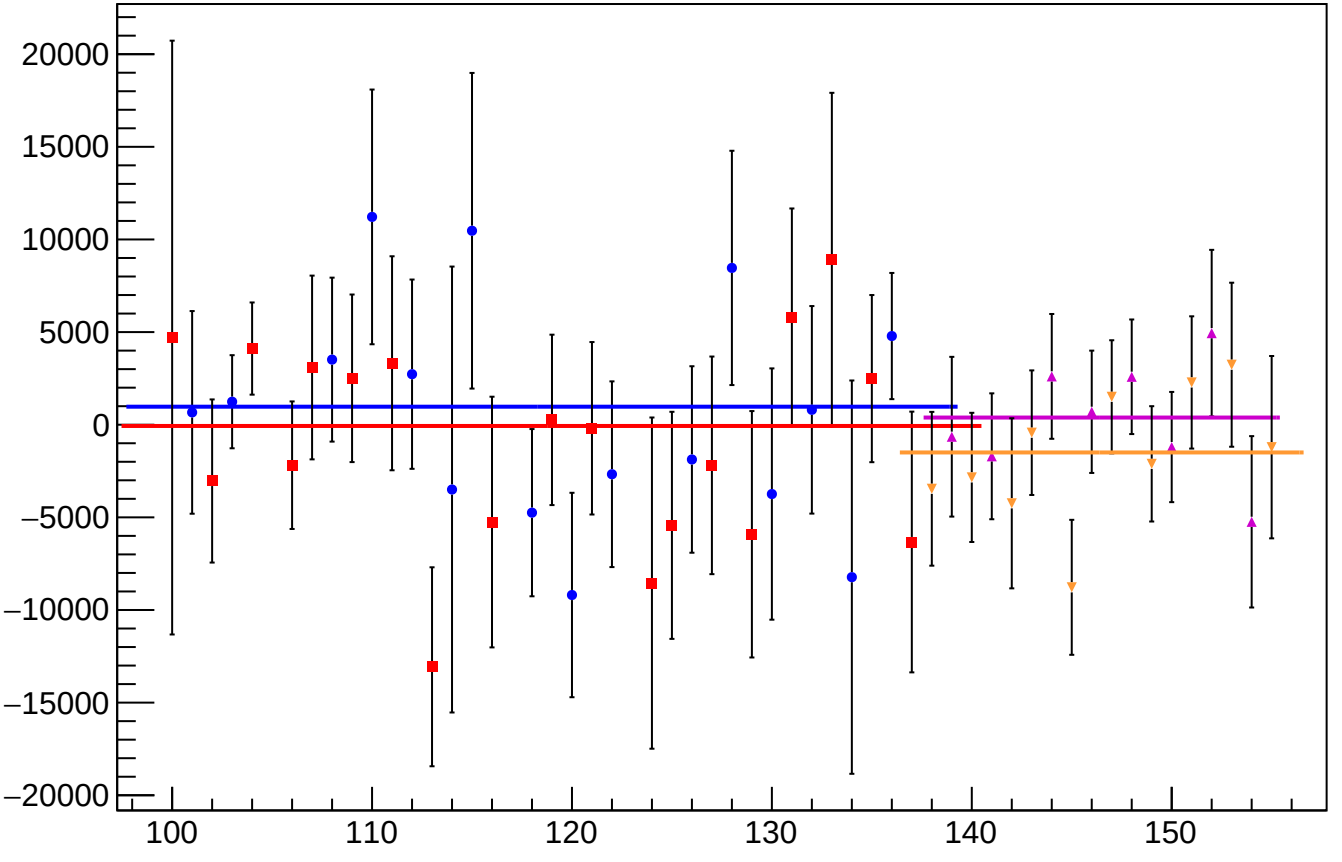
Left In: 1129.396+/-0.302 χ^2/NDF:62932.2/7

+ sign 1131.272+/-0.209 χ^2/NDF: 914871.8/25

All: 1118.405+/-0.148 χ^2/NDF: 1592448.6/52

- sign 1105.500+/-0.209 χ^2/NDF: 669987.7/26

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1497.019+/-1168.039 χ^2/NDF:8.1/9

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

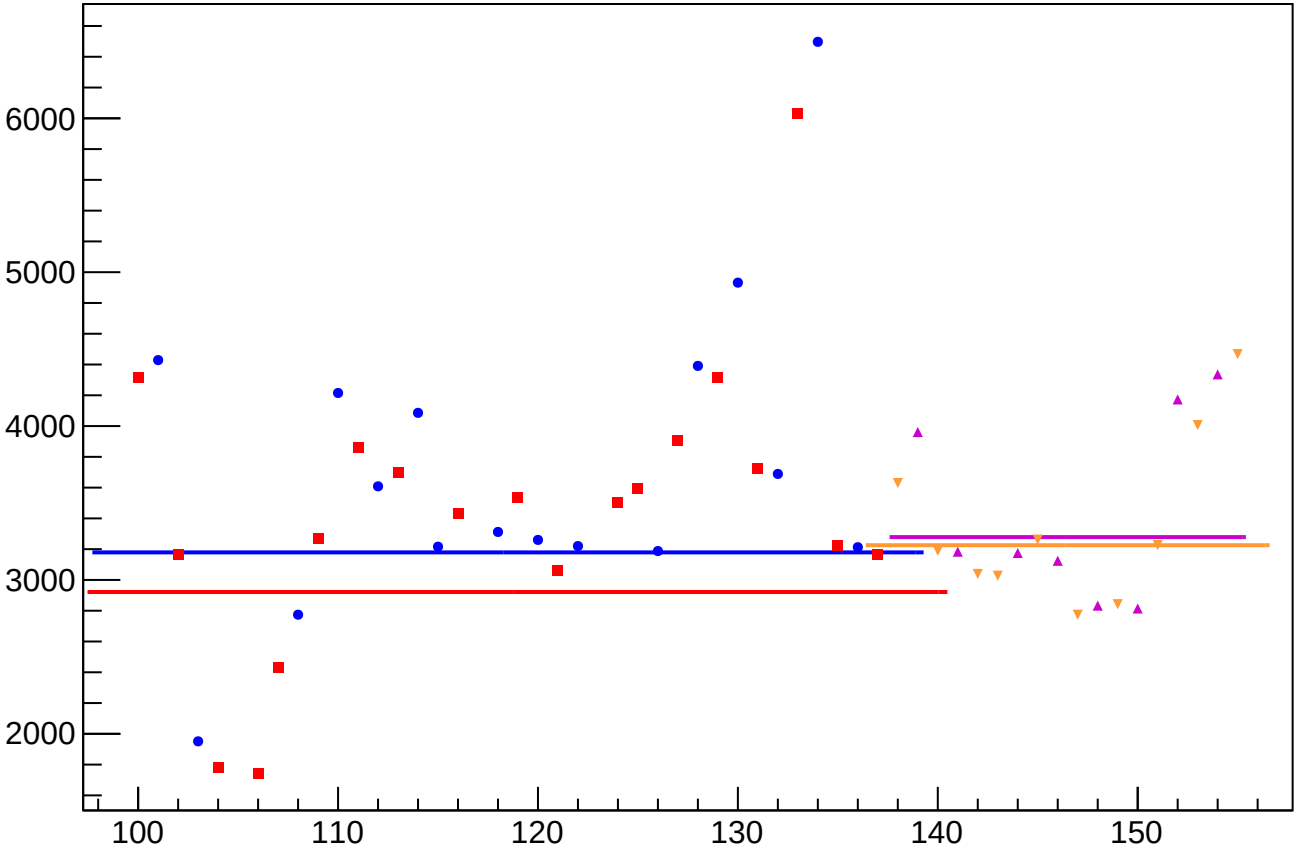
Left In: 387.320+/-1255.796 χ^2/NDF:4.2/7

+ sign -328.470+/-847.900 χ^2/NDF: 24.0/25

All: -94.058+/-597.895 χ^2/NDF: 45.4/52

- sign 137.774+/-843.221 χ^2/NDF: 21.2/26

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3225.677+/-0.826 χ^2/NDF:293331.9/9

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

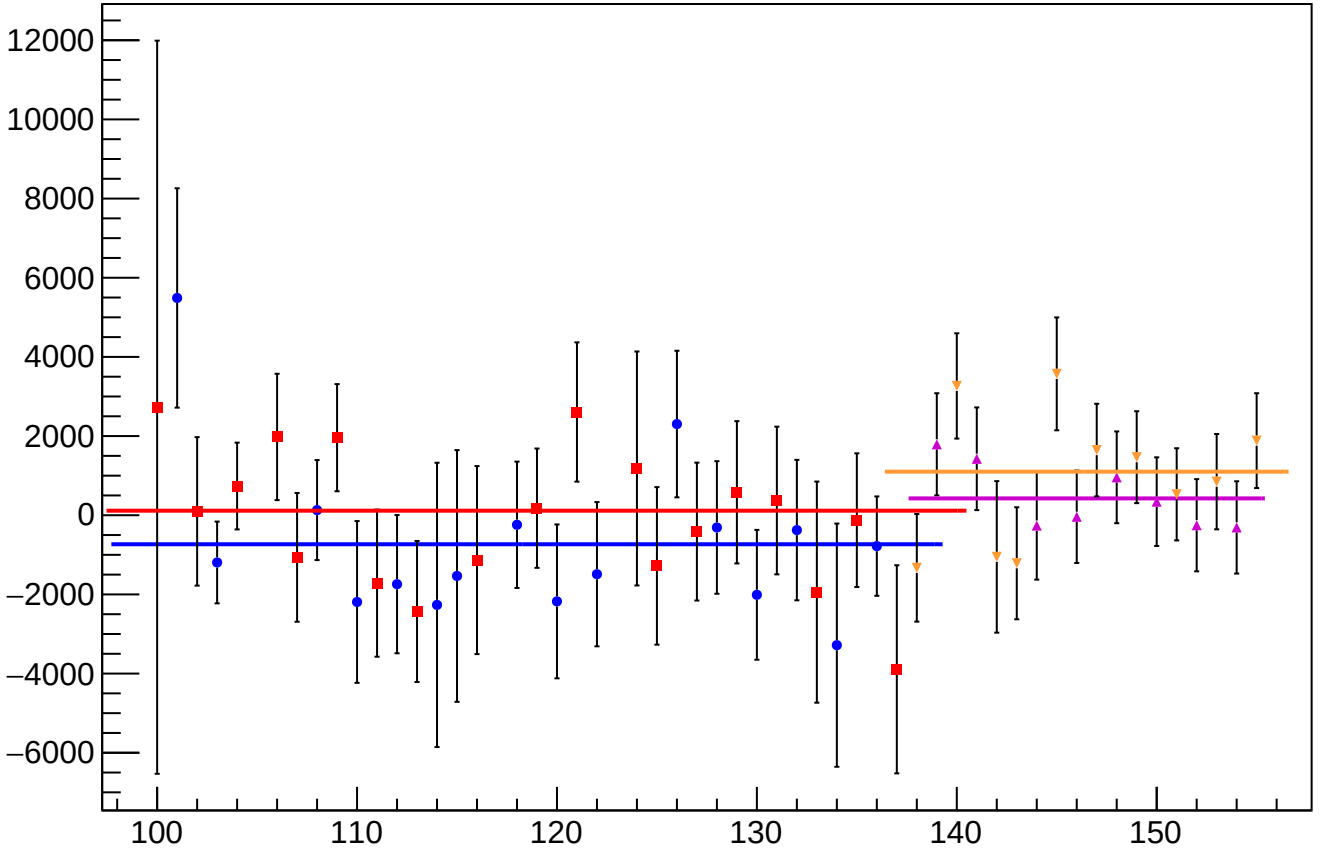
Left In: 3278.515+/-0.888 χ^2/NDF:331830.8/7

+ sign 3203.622+/-0.600 χ^2/NDF: 1386075.8/25

All: 3142.747+/-0.423 χ^2/NDF: 3139997.1/52

- sign 3082.542+/-0.596 χ^2/NDF: 1733416.7/26

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1100.940+/-409.324 χ^2/NDF:13.8/9

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

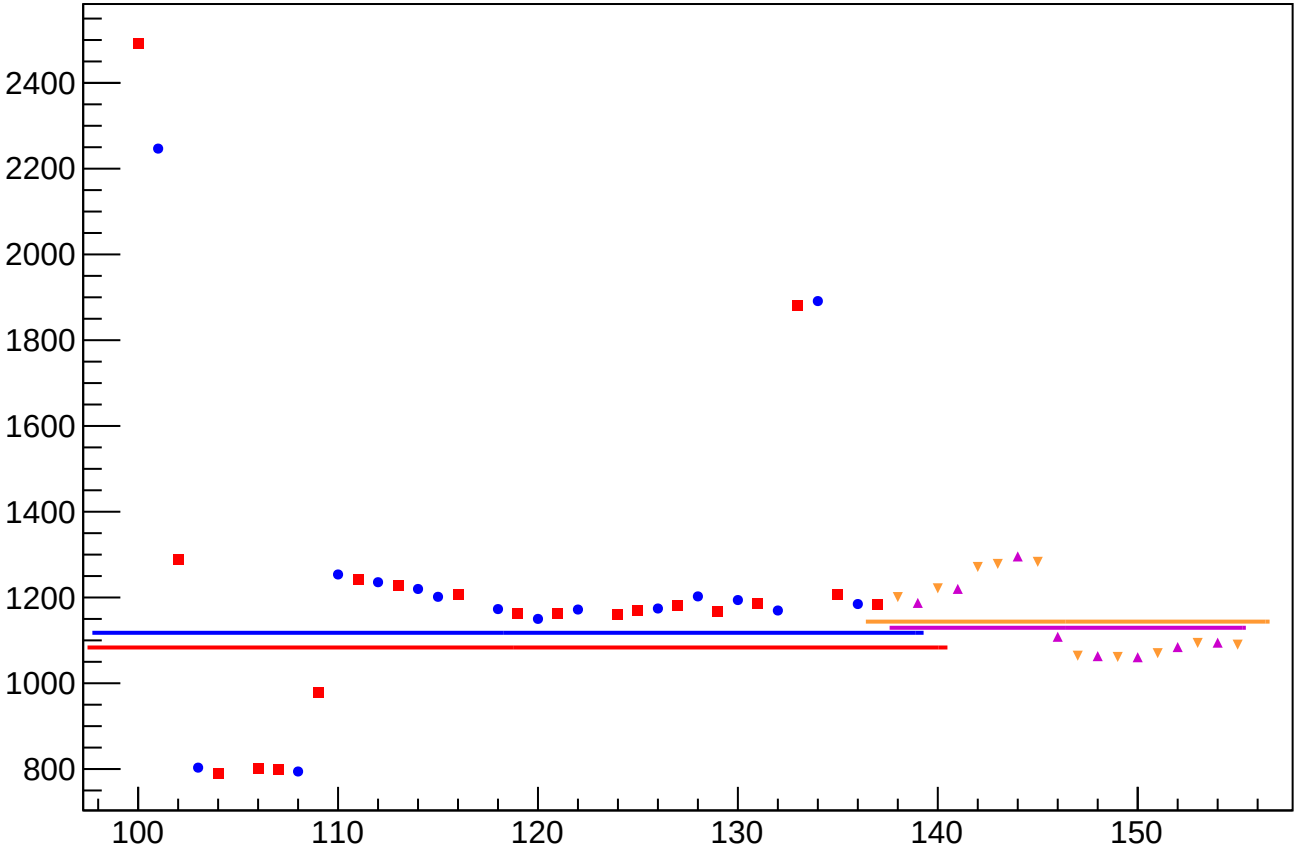
Left In: 425.273+/-427.216 χ^2/NDF:3.1/7

\+ sign 223.689+/-295.615 χ^2/NDF: 35.1/25

All: 244.025+/-209.292 χ^2/NDF: 51.6/52

\- sign 264.462+/-296.353 χ^2/NDF: 16.5/26

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1143.735+/-0.289 χ^2/NDF:91164.3/9

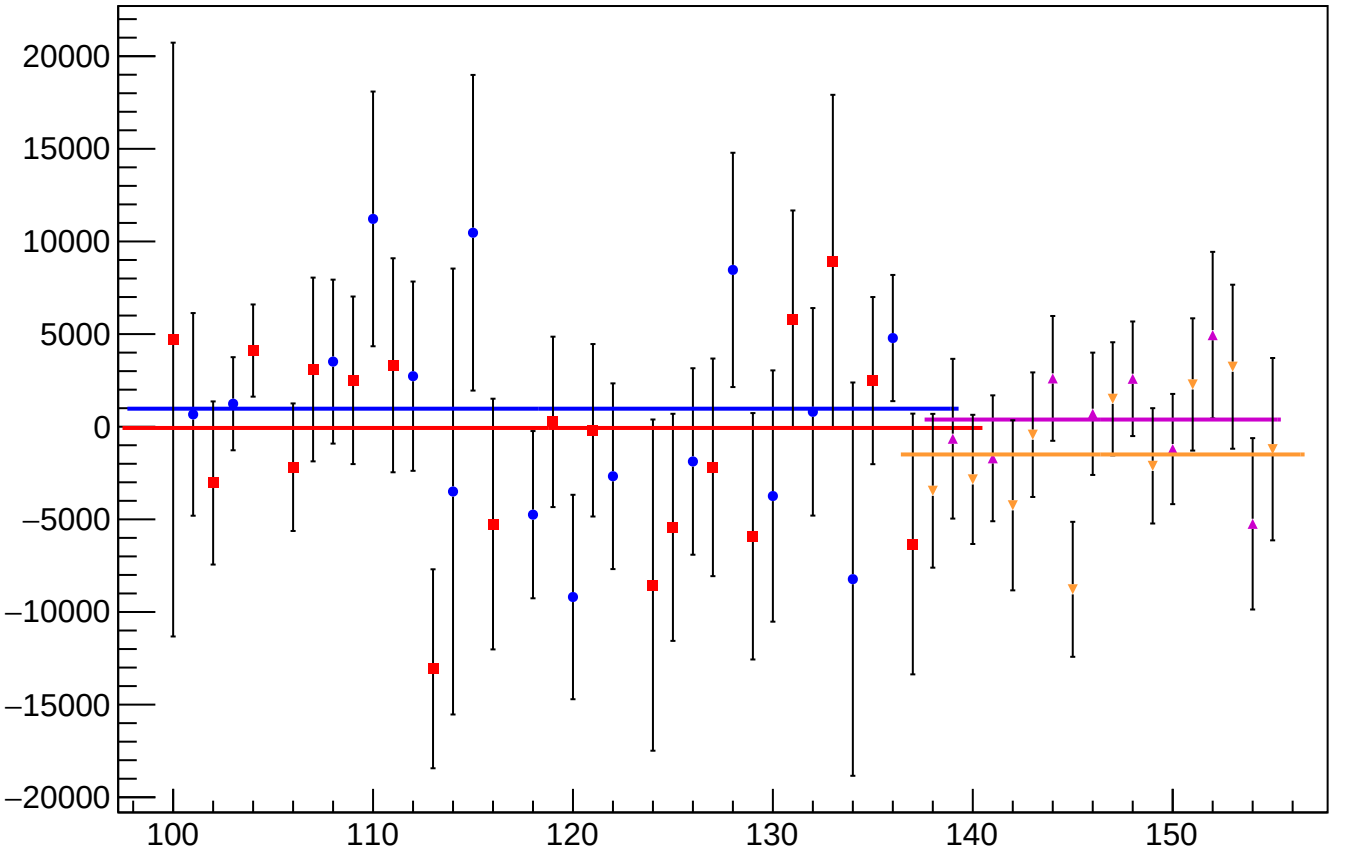
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1129.396+/-0.302 χ^2/NDF:62932.2/7

+ sign 1131.272+/-0.209 χ^2/NDF: 914871.8/25

All: 1118.405+/-0.148 χ^2/NDF: 1592448.6/52

- sign 1105.500+/-0.209 χ^2/NDF: 669987.7/26



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1497.019+/-1168.039 χ^2/NDF:8.1/9

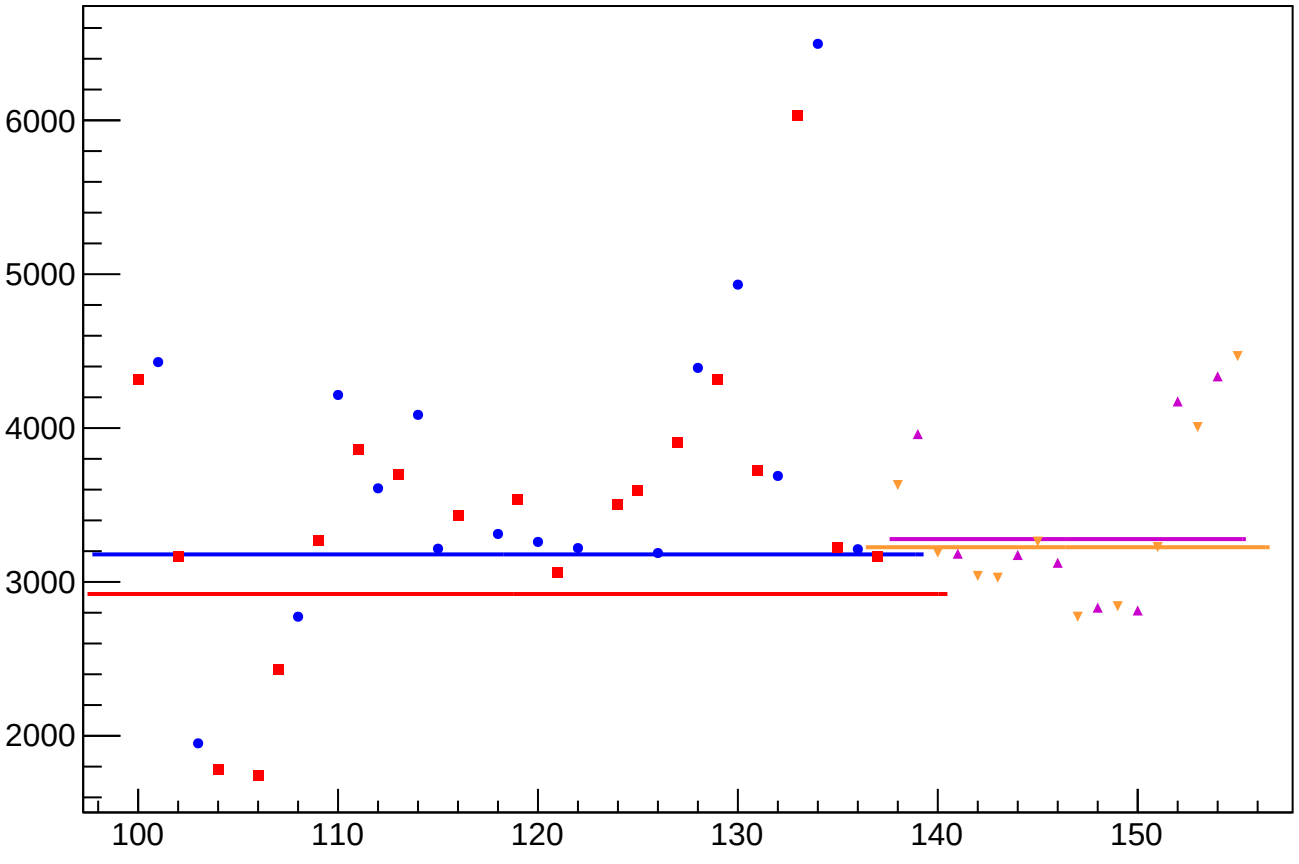
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 387.320+/-1255.796 χ^2/NDF:4.2/7

\+ sign -328.470+/-847.900 χ^2/NDF: 24.0/25

All: -94.058+/-597.895 χ^2/NDF: 45.4/52

\- sign 137.774+/-843.221 χ^2/NDF: 21.2/26



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3225.677+/-0.826 χ^2/NDF:293331.9/9

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

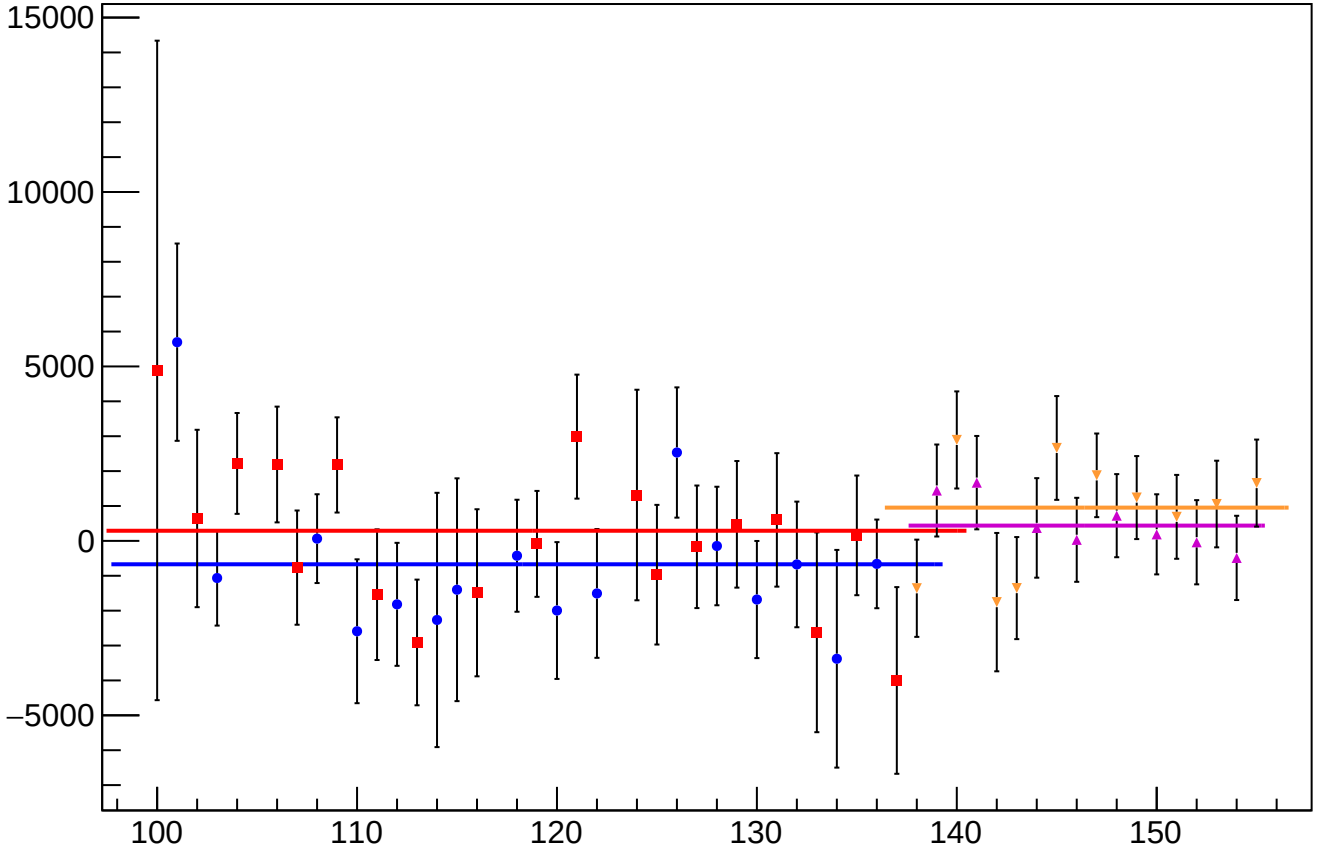
Left In: 3278.515+/-0.888 χ^2/NDF:331830.8/7

+ sign 3203.622+/-0.600 χ^2/NDF: 1386075.8/25

All: 3142.747+/-0.423 χ^2/NDF: 3139997.1/52

- sign 3082.542+/-0.596 χ^2/NDF: 1733416.7/26

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 953.525+/-422.927 χ^2/NDF:11.4/9

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

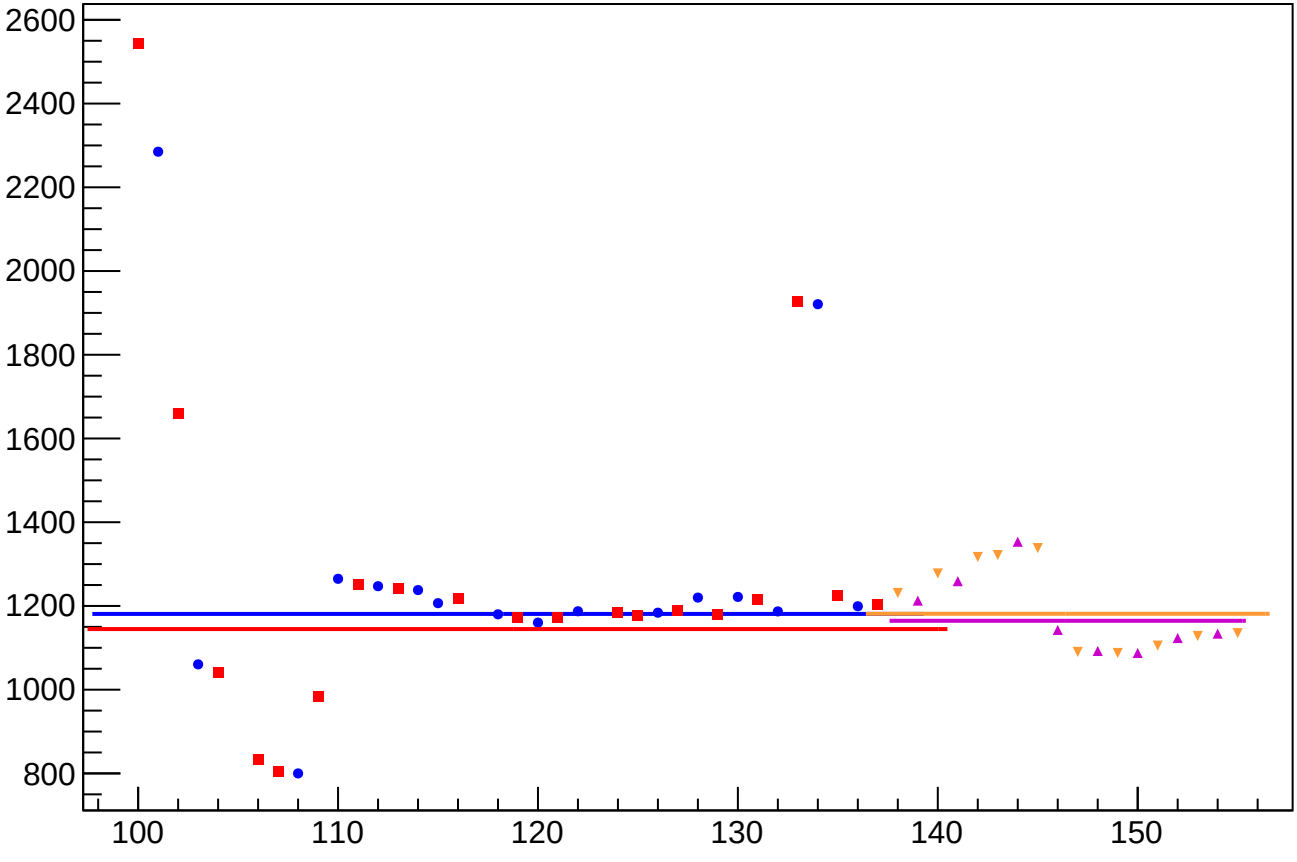
Left In: 438.002+/-440.625 χ^2/NDF:2.4/7

+ sign 188.979+/-307.698 χ^2/NDF: 30.2/25

All: 275.578+/-218.158 χ^2/NDF: 49.8/52

- sign 363.110+/-309.353 χ^2/NDF: 19.4/26

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1181.314+/-0.299 χ^2/NDF:100460.6/9

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

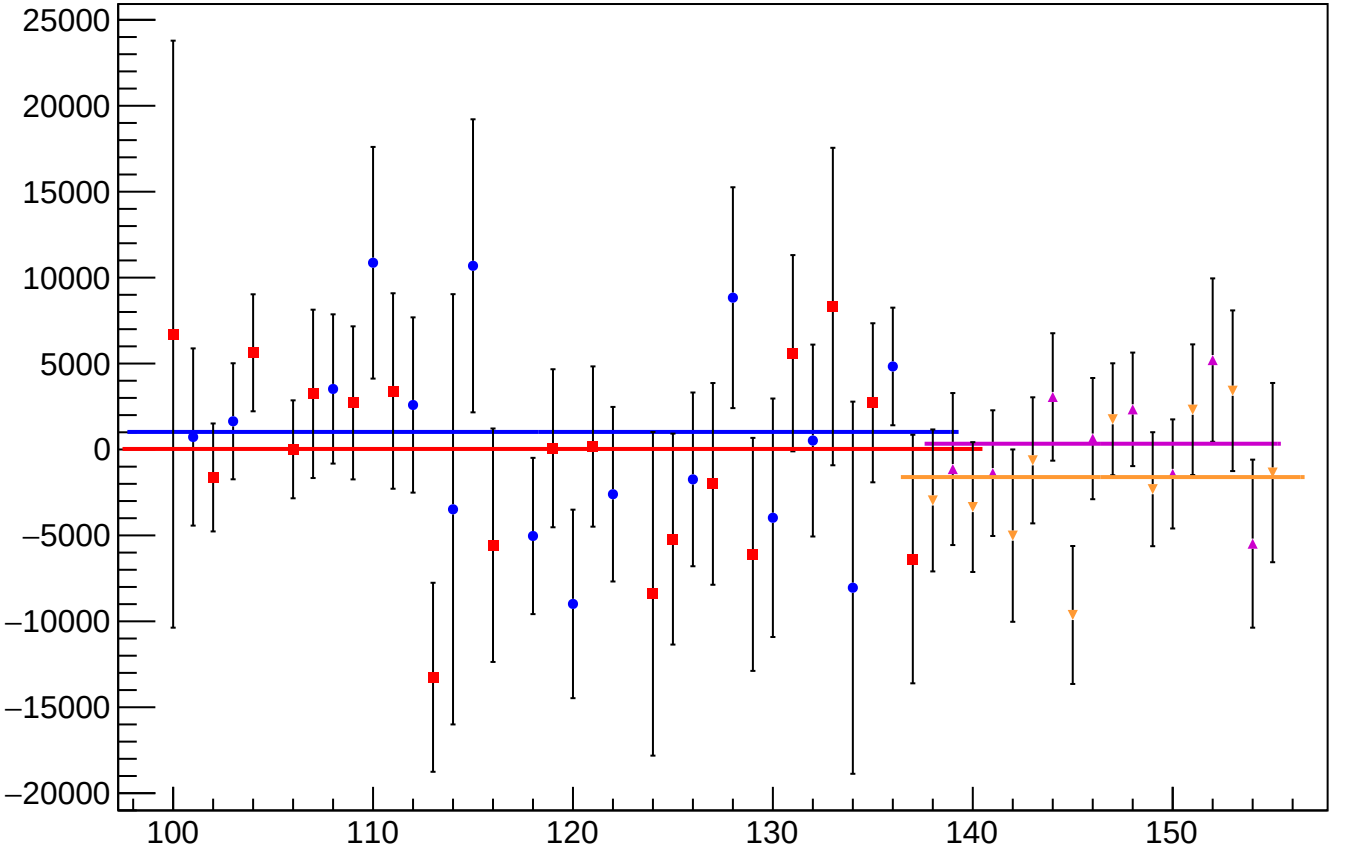
Left In: 1164.557+/-0.312 χ^2/NDF:68283.1/7

+ sign 1181.145+/-0.218 χ^2/NDF: 722339.9/25

All: 1167.902+/-0.154 χ^2/NDF: 1297846.3/52

- sign 1154.522+/-0.219 χ^2/NDF: 568058.6/26

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -1605.941+/-1248.370 χ^2/NDF:8.2/9

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

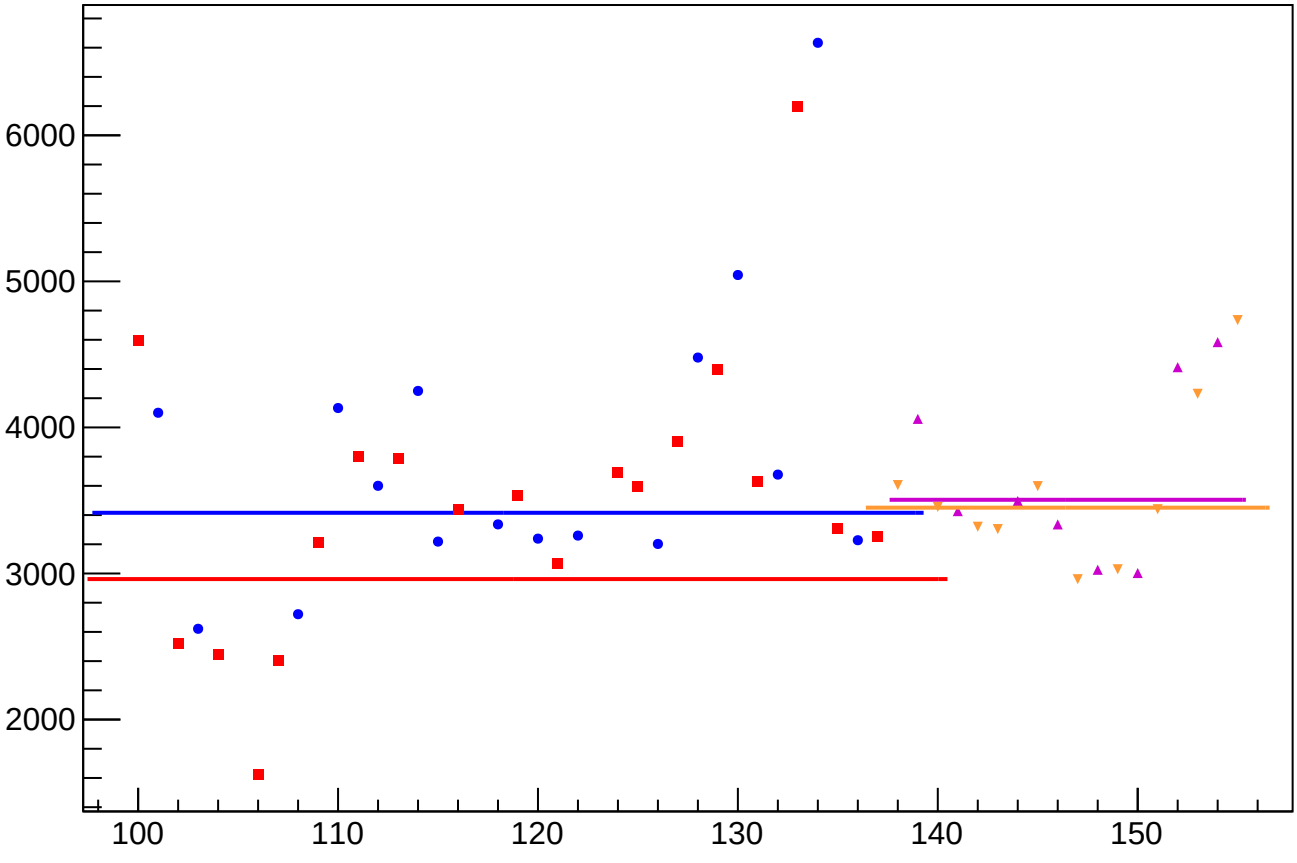
Left In: 334.134+/-1341.055 χ^2/NDF:4.0/7

+ sign -348.098+/-901.237 χ^2/NDF: 24.2/25

All: -85.318+/-623.863 χ^2/NDF: 44.5/52

- sign 156.455+/-864.462 χ^2/NDF: 20.2/26

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3450.780+/-0.883 χ^2/NDF:264562.2/9

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

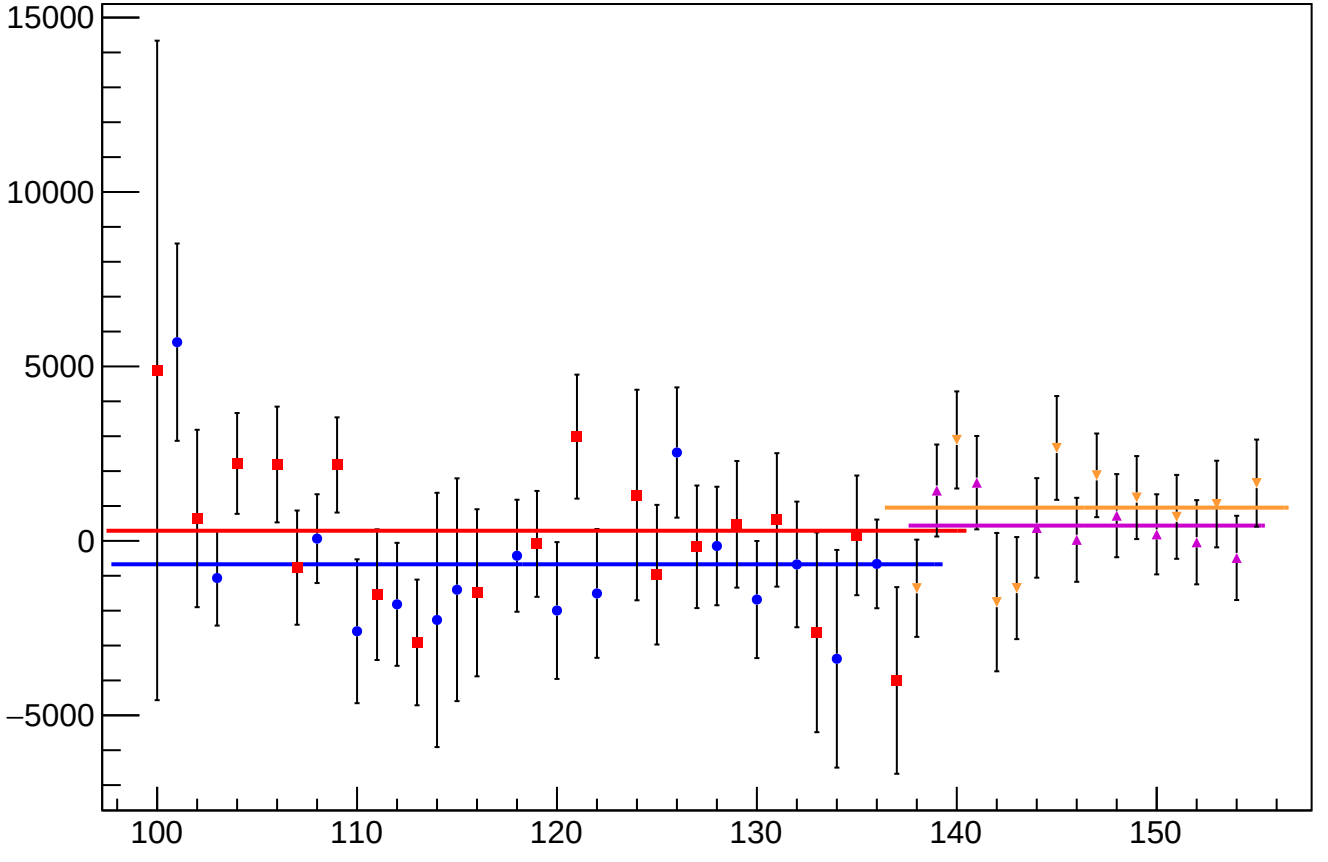
Left In: 3504.609+/-0.948 χ^2/NDF:299278.6/7

+ sign 3433.933+/-0.637 χ^2/NDF: 857666.9/25

All: 3305.508+/-0.441 χ^2/NDF: 2595691.8/52

- sign 3187.350+/-0.611 χ^2/NDF: 1660048.7/26

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 953.530+/-422.927 χ^2/NDF:11.4/9

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

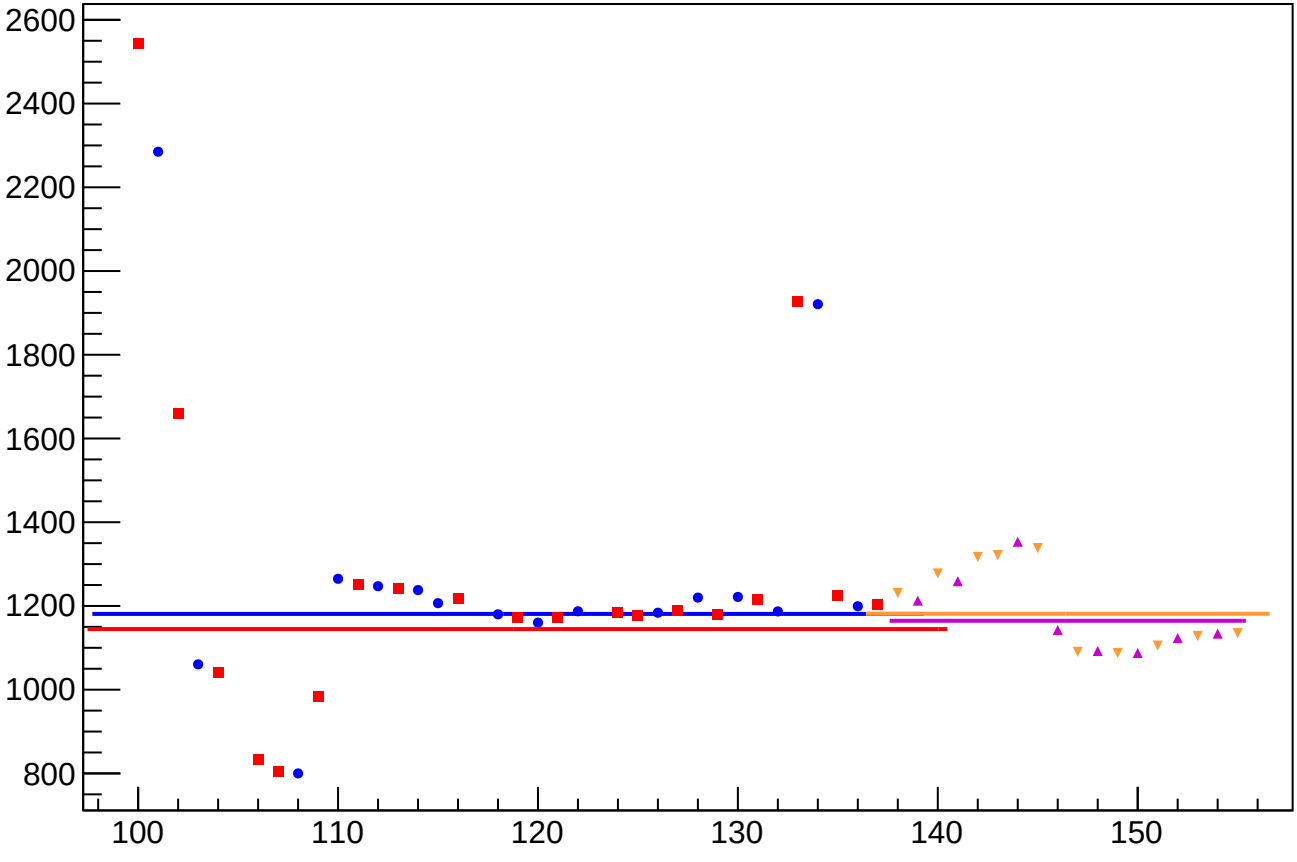
Left In: 437.998+/-440.625 χ^2/NDF:2.4/7

+ sign 188.980+/-307.698 χ^2/NDF: 30.2/25

All: 275.578+/-218.158 χ^2/NDF: 49.8/52

- sign 363.111+/-309.354 χ^2/NDF: 19.4/26

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1181.315+/-0.299 χ^2/NDF:100460.9/9

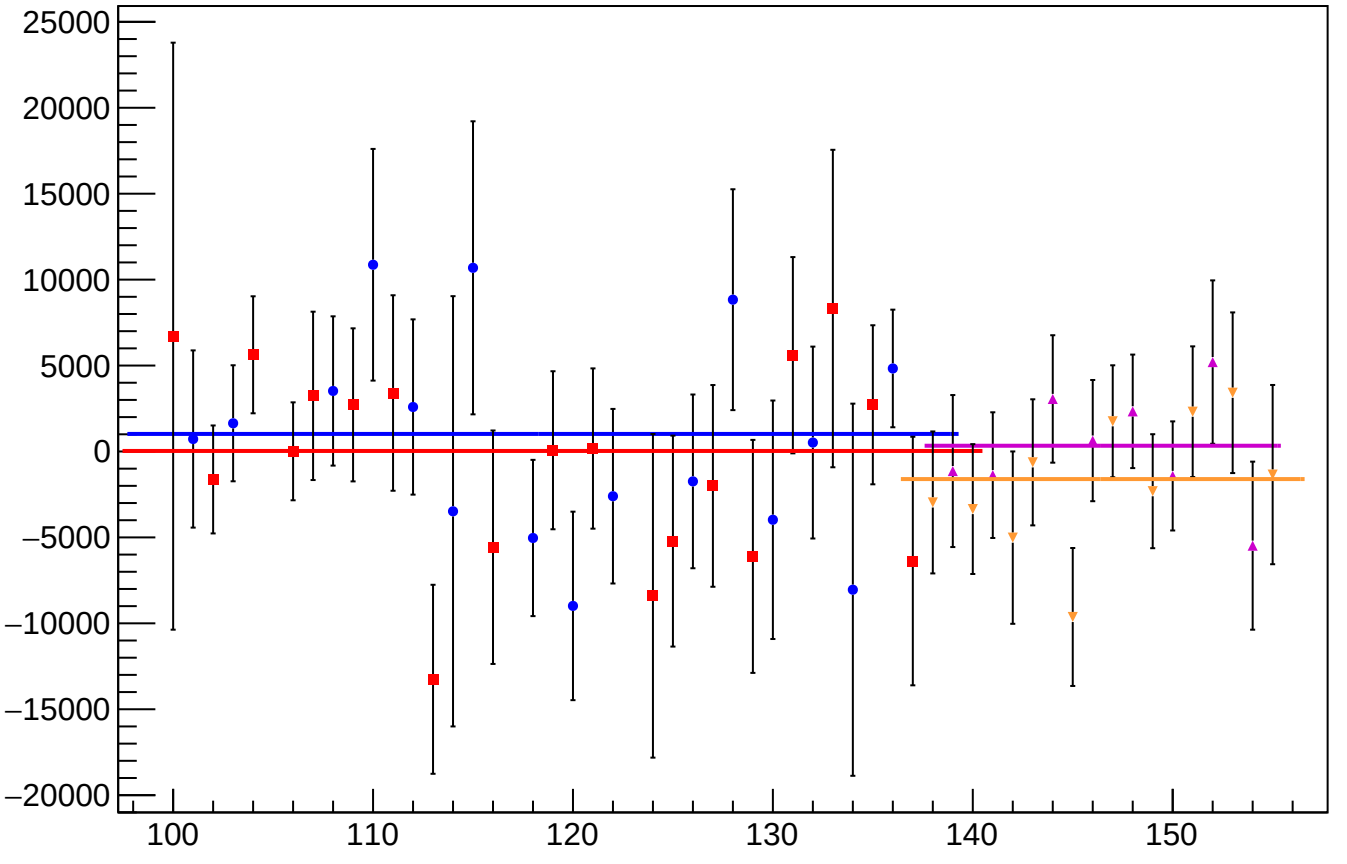
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1164.558+/-0.312 χ^2/NDF:68282.8/7

+ sign 1181.145+/-0.218 χ^2/NDF: 722340.5/25

All: 1167.902+/-0.154 χ^2/NDF: 1297846.0/52

- sign 1154.523+/-0.219 χ^2/NDF: 568057.9/26



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -1605.939+/-1248.371 χ^2/NDF:8.2/9

Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

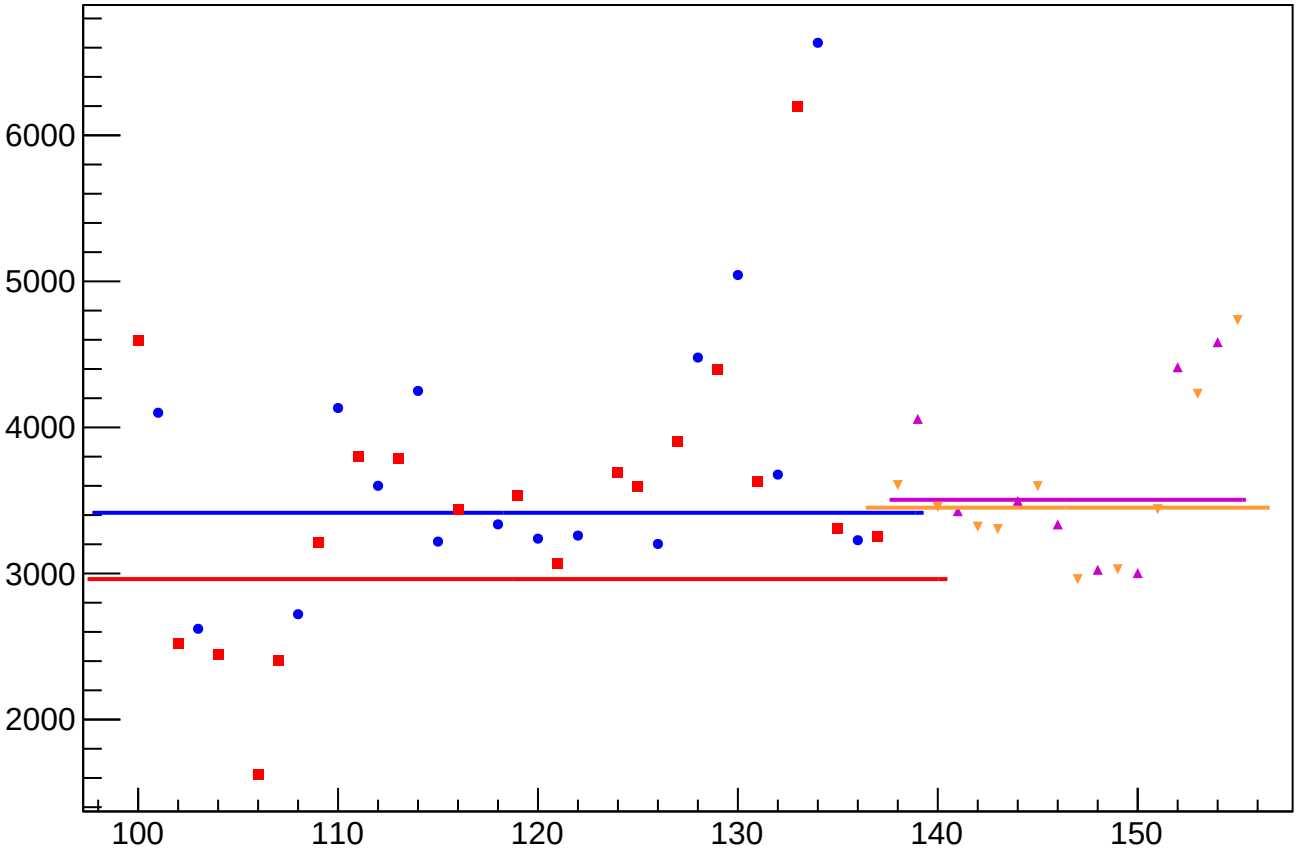
Left In: 334.130+/-1341.057 χ^2/NDF:4.0/7

+ sign -348.102+/-901.237 χ^2/NDF: 24.2/25

All: -85.319+/-623.863 χ^2/NDF: 44.5/52

- sign 156.456+/-864.462 χ^2/NDF: 20.2/26

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3450.784+/-0.883 χ^2/NDF:264560.3/9

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

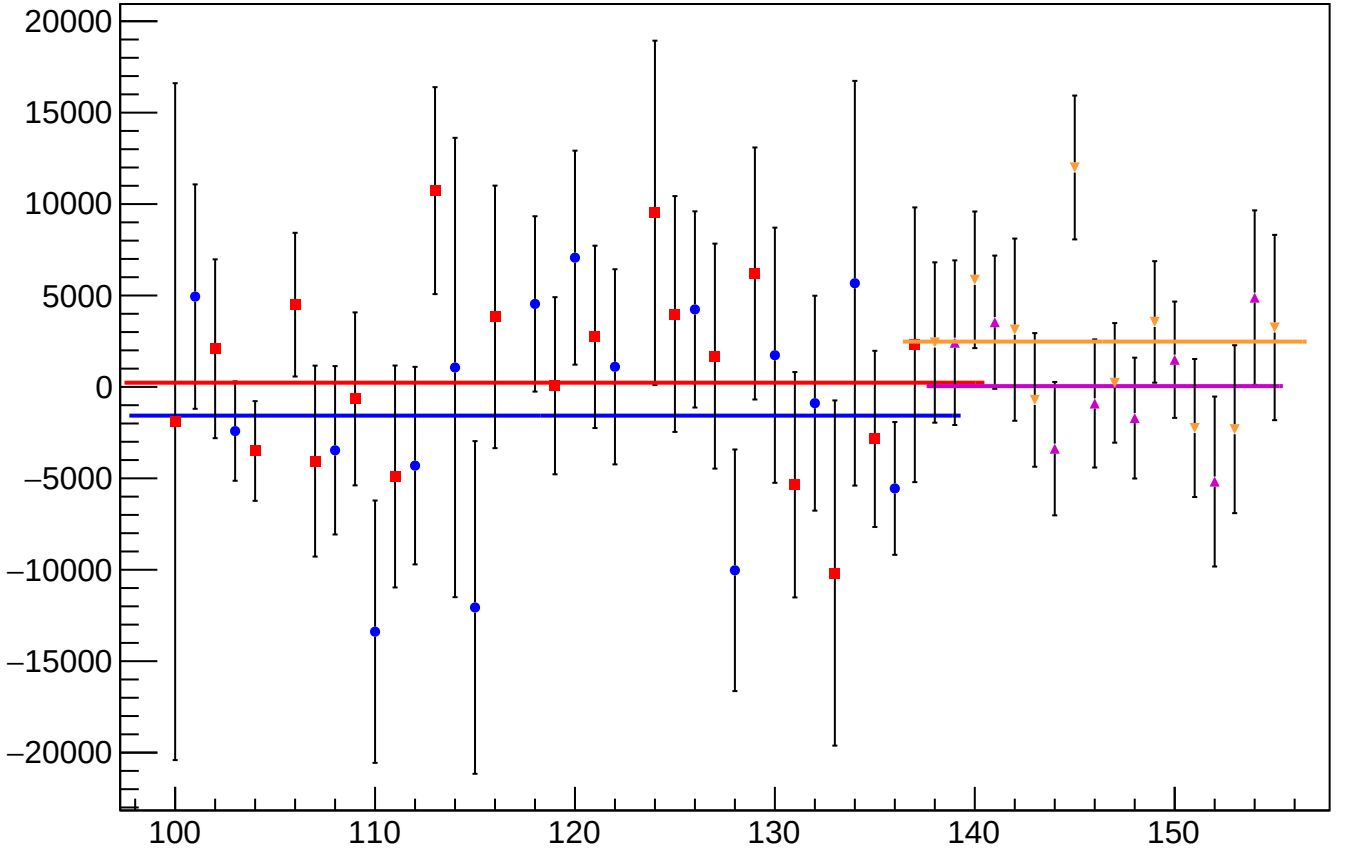
Left In: 3504.613+/-0.948 χ^2/NDF:299276.0/7

+ sign 3433.933+/-0.637 χ^2/NDF: 857660.4/25

All: 3305.507+/-0.441 χ^2/NDF: 2595690.2/52

- sign 3187.348+/-0.611 χ^2/NDF: 1660052.1/26

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2478.204+/-1246.127 χ^2/NDF:10.7/9

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

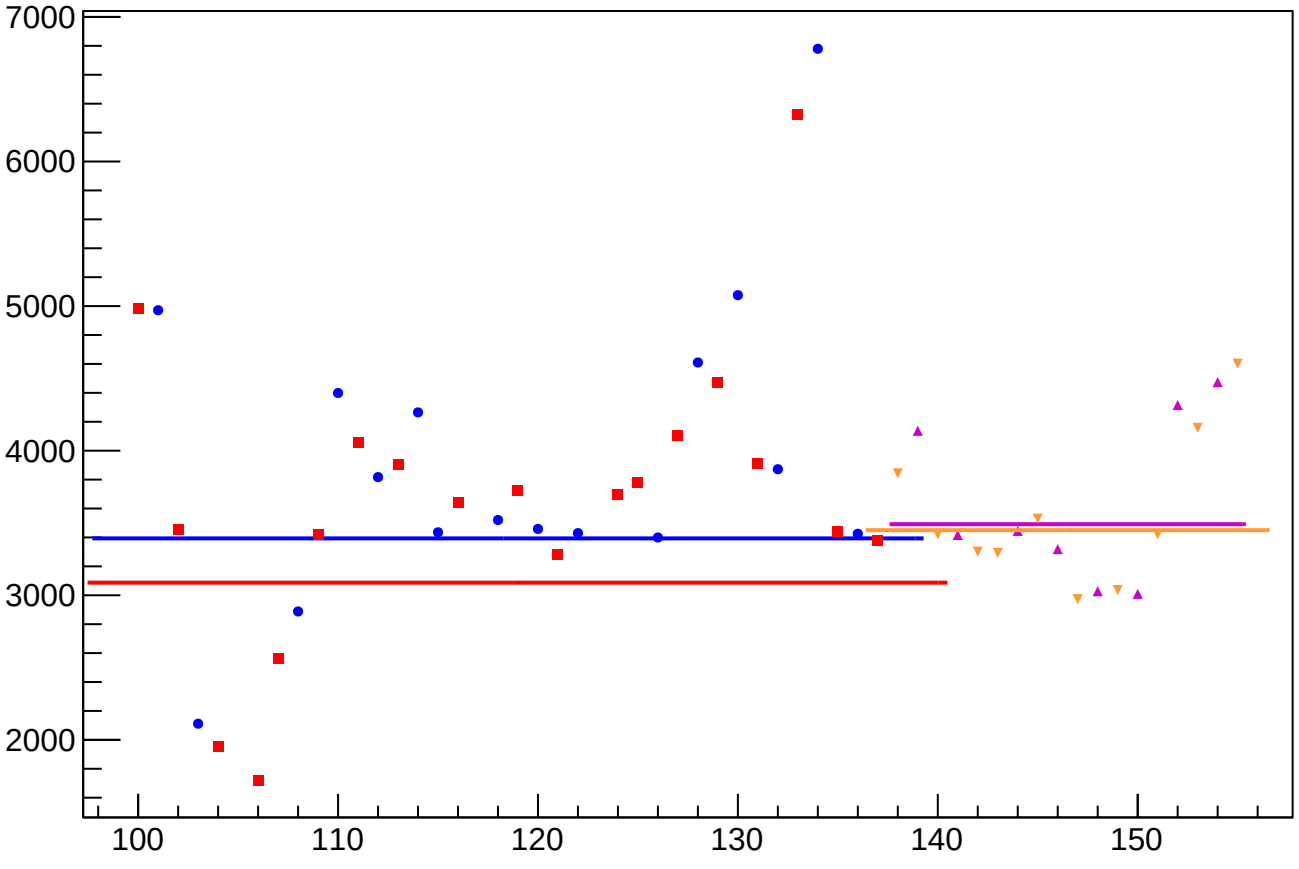
Left In: 43.772+/-1334.061 χ^2/NDF:4.9/7

+ sign 559.808+/-903.841 χ^2/NDF: 30.2/25

All: 352.224+/-638.471 χ^2/NDF: 48.5/52

- sign 145.470+/-902.030 χ^2/NDF: 18.2/26

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3450.311+/-0.881 χ^2/NDF:247066.4/9

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

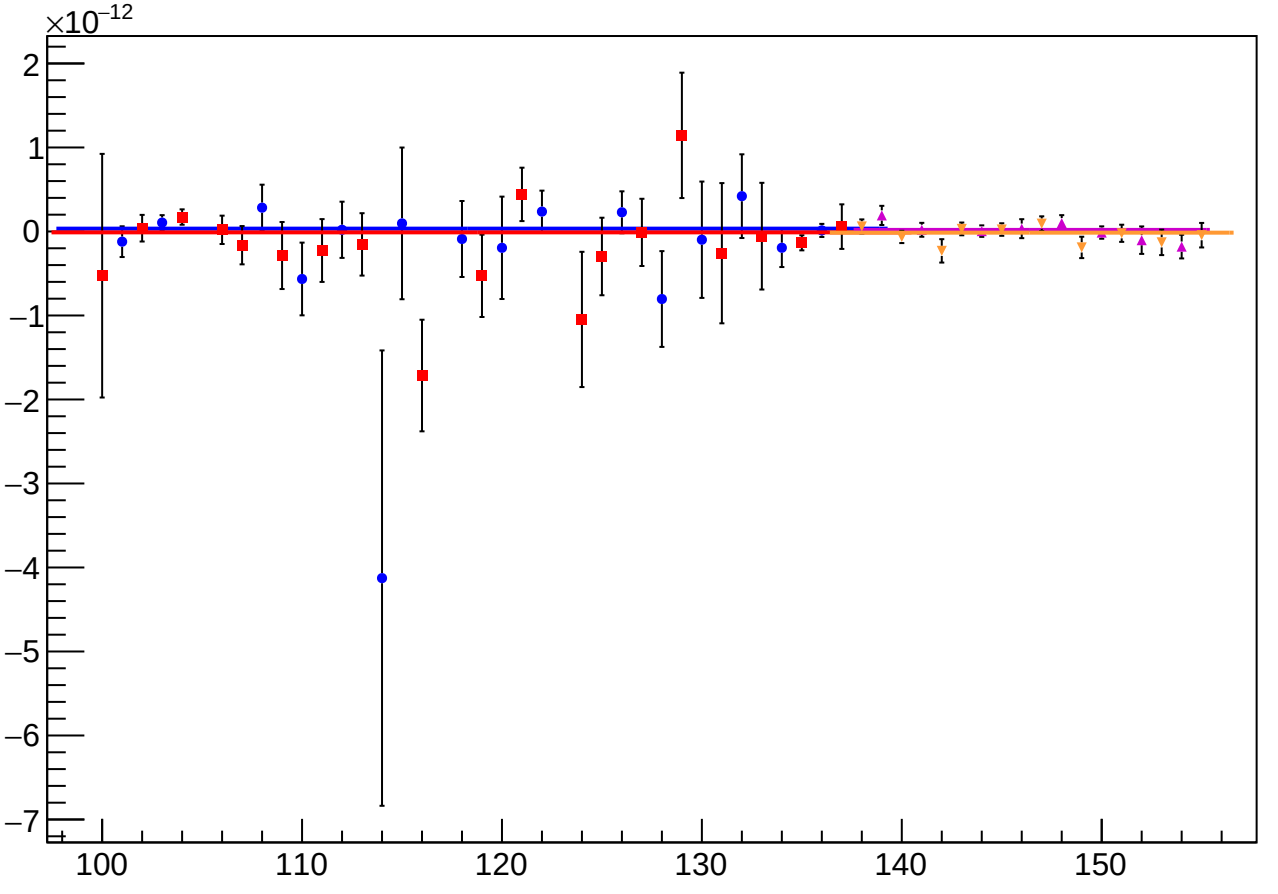
Left In: 3491.570+/-0.943 χ^2/NDF:280127.1/7

+ sign 3423.324+/-0.639 χ^2/NDF: 1297753.4/25

All: 3345.165+/-0.449 χ^2/NDF: 3037044.1/52

- sign 3268.745+/-0.632 χ^2/NDF: 1709712.5/26

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:8.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

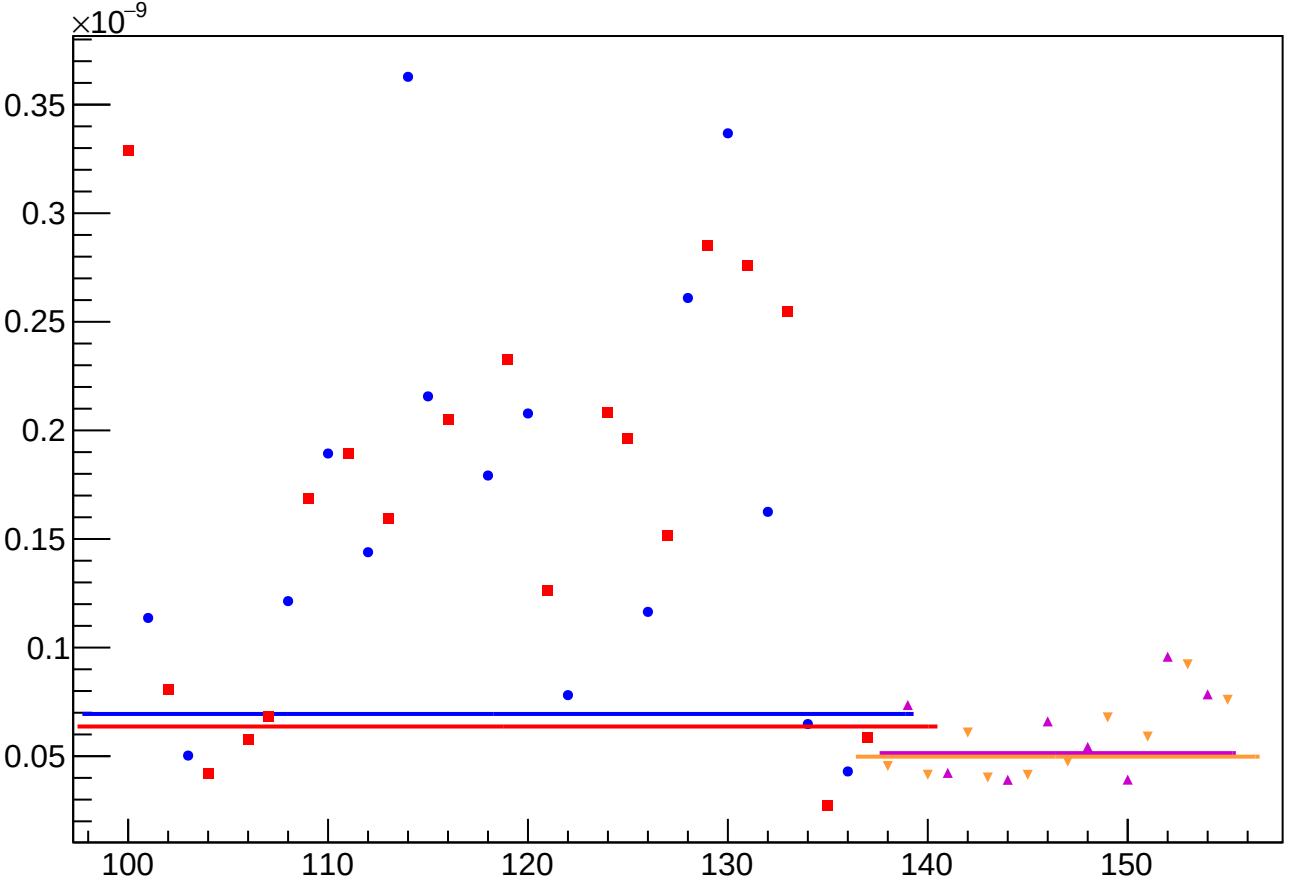
Left In: 0.000+/-0.000 χ^2/NDF:5.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/25

All: 0.000+/-0.000 χ^2/NDF: 48.8/52

- sign 0.000+/-0.000 χ^2/NDF: 27.9/26

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:380875.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

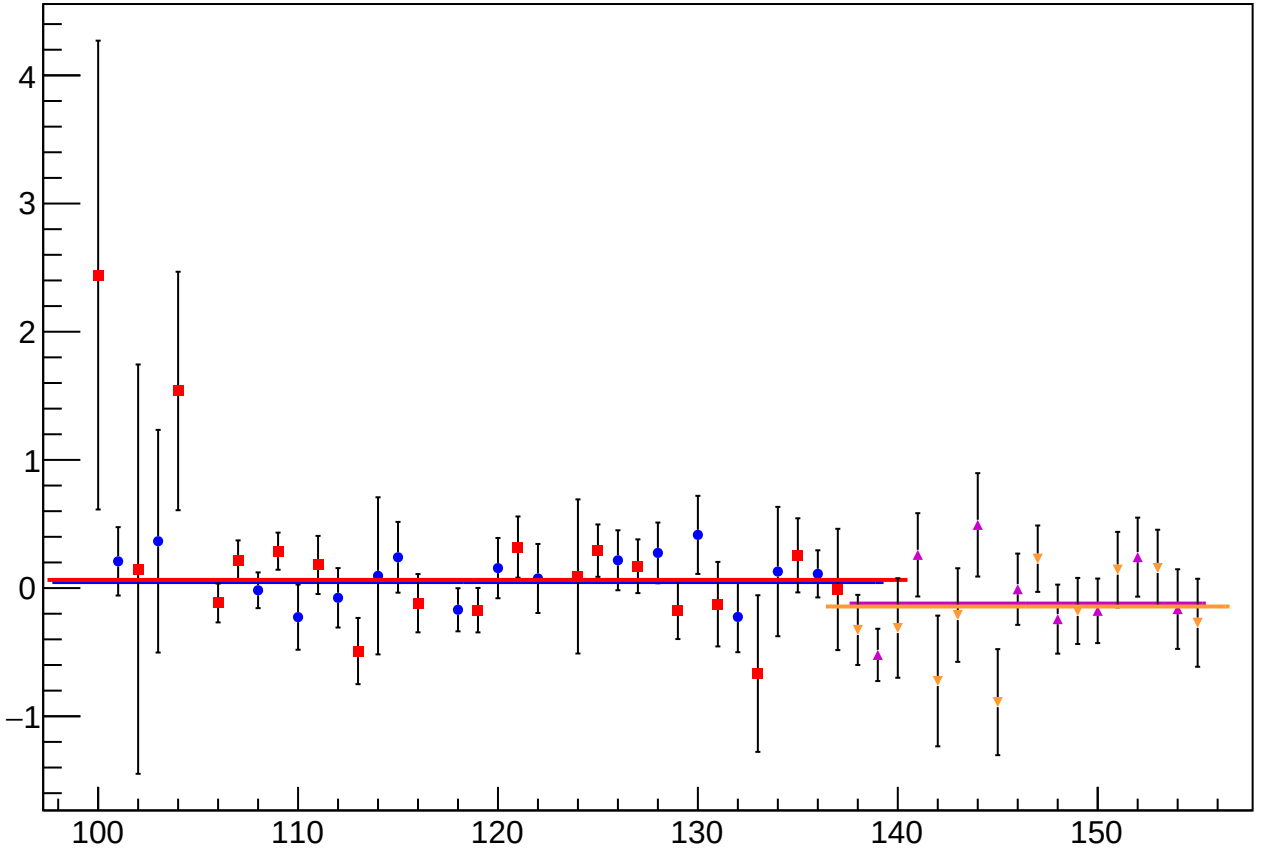
Left In: 0.000+/-0.000 χ^2/NDF:475635.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 2344997.0/25

All: 0.000+/-0.000 χ^2/NDF: 5155084.0/52

- sign 0.000+/-0.000 χ^2/NDF: 2810076.9/26

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: -0.144+/-0.101 χ^2/NDF:9.4/9

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

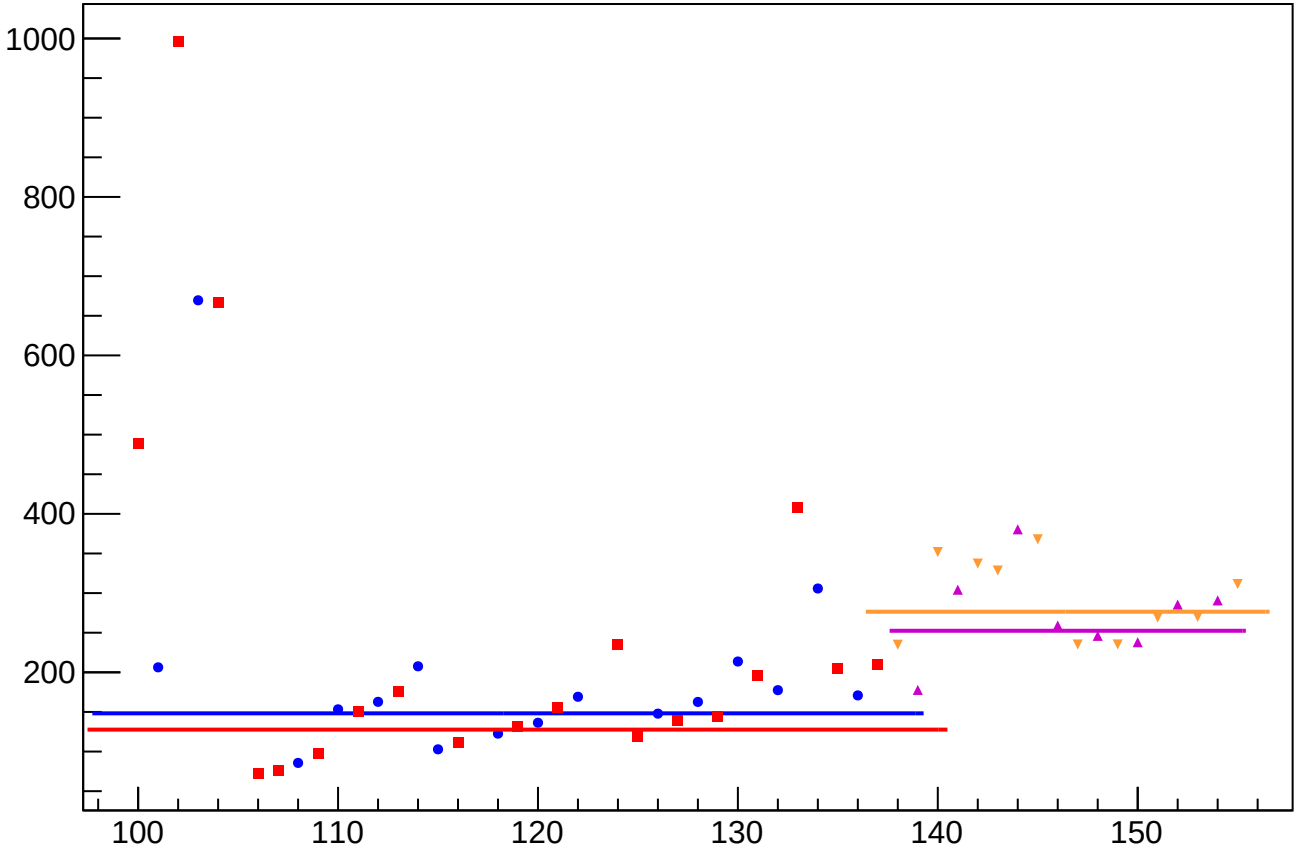
Left In: -0.121+/-0.099 χ^2/NDF:9.4/7

+ sign -0.003+/-0.052 χ^2/NDF: 20.6/25

All: 0.010+/-0.035 χ^2/NDF: 55.0/52

- sign 0.020+/-0.048 χ^2/NDF: 34.3/26

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: 276.488+/-0.071 χ^2/NDF:413412.6/9

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

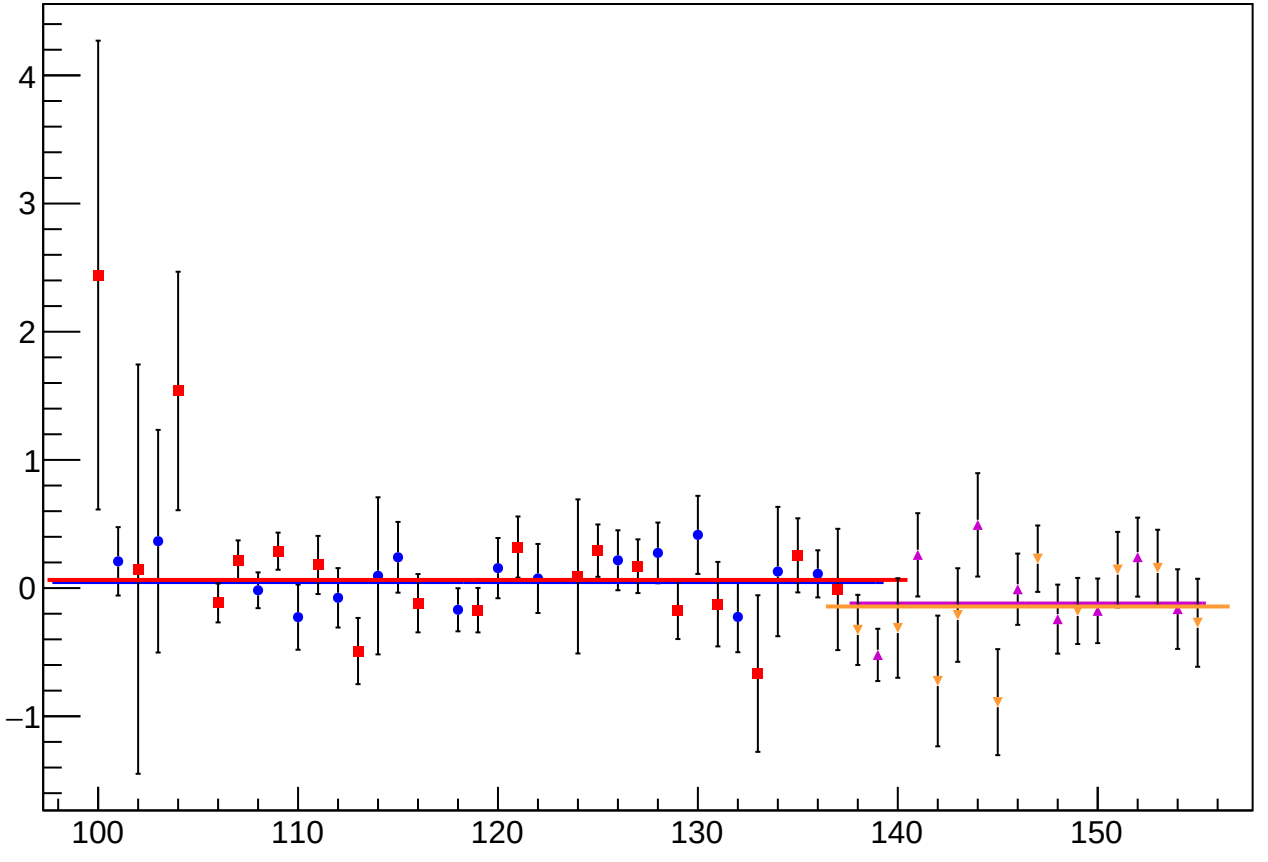
Left In: 252.445+/-0.070 χ^2/NDF:582631.1/7

+ sign 181.815+/-0.036 χ^2/NDF: 4513303.5/25

All: 168.499+/-0.025 χ^2/NDF: 10638356.4/52

- sign 157.062+/-0.034 χ^2/NDF: 5877243.5/26

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.144+/-0.101 χ^2/NDF:9.4/9

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

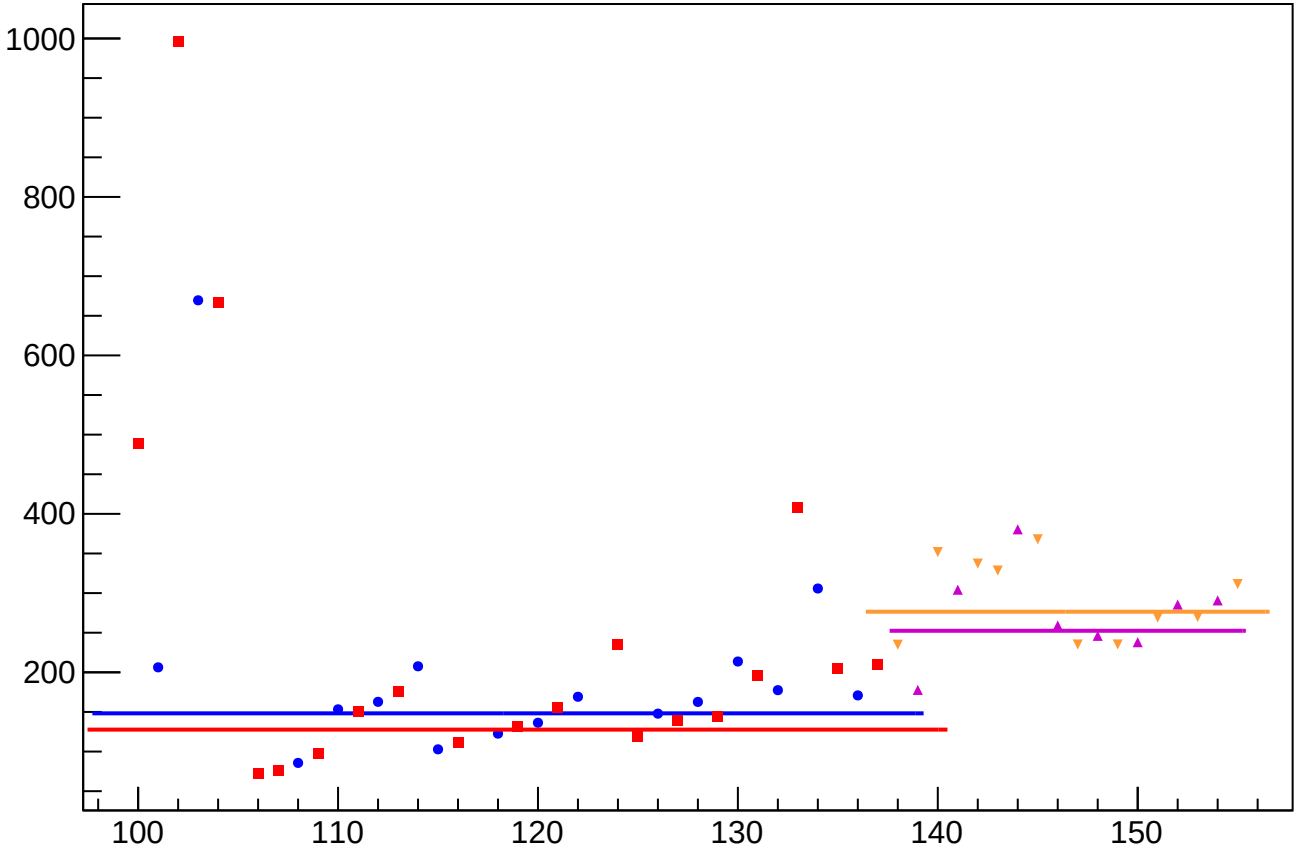
Left In: -0.121+/-0.099 χ^2/NDF:9.4/7

+ sign -0.003+/-0.052 χ^2/NDF: 20.6/25

All: 0.010+/-0.035 χ^2/NDF: 55.0/52

- sign 0.020+/-0.048 χ^2/NDF: 34.3/26

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: 276.488+/-0.071 χ^2/NDF:413412.6/9

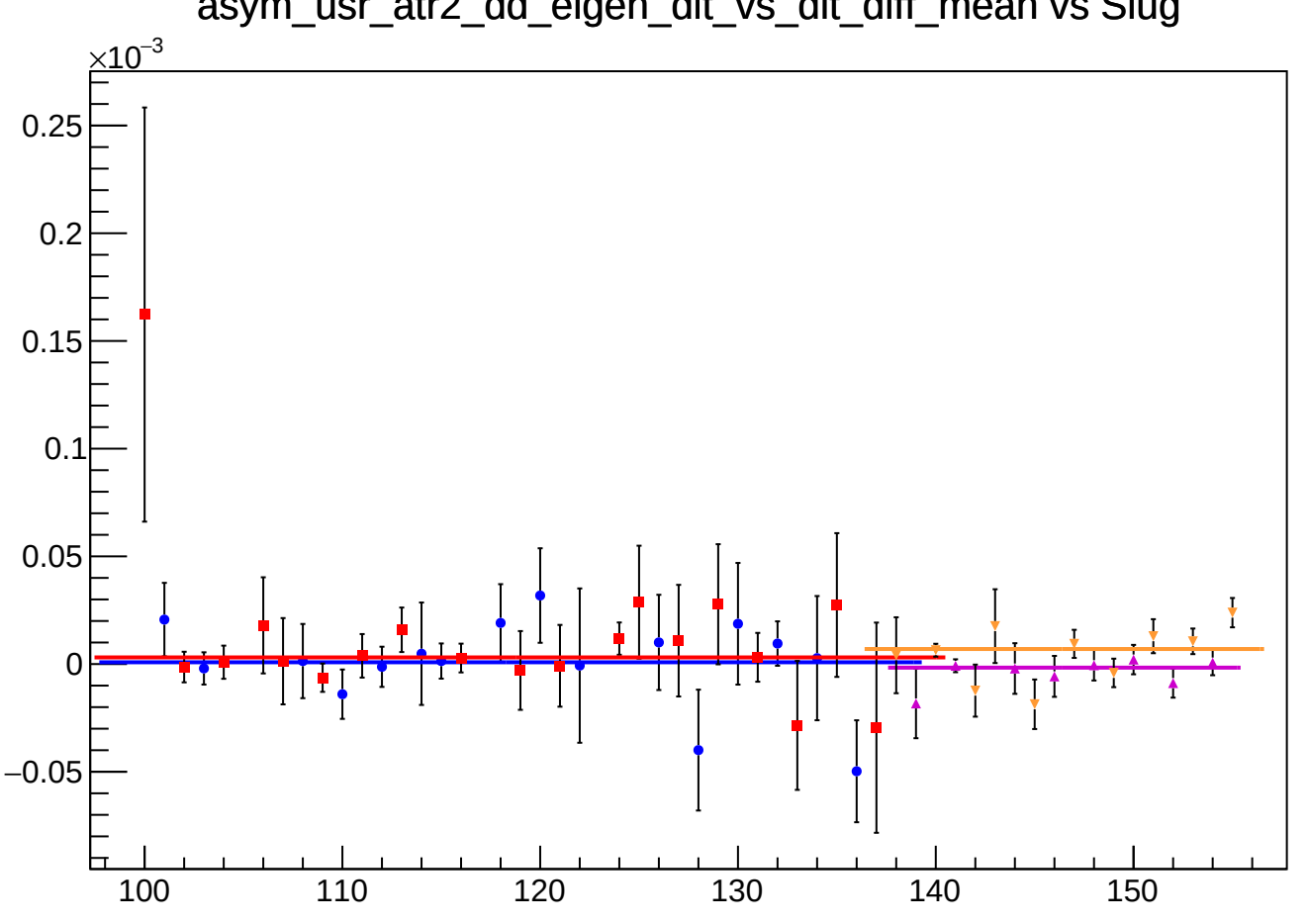
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 252.445+/-0.070 χ^2/NDF:582631.1/7

+ sign 181.815+/-0.036 χ^2/NDF: 4513303.5/25

All: 168.499+/-0.025 χ^2/NDF: 10638356.4/52

- sign 157.062+/-0.034 χ^2/NDF: 5877243.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.0/9

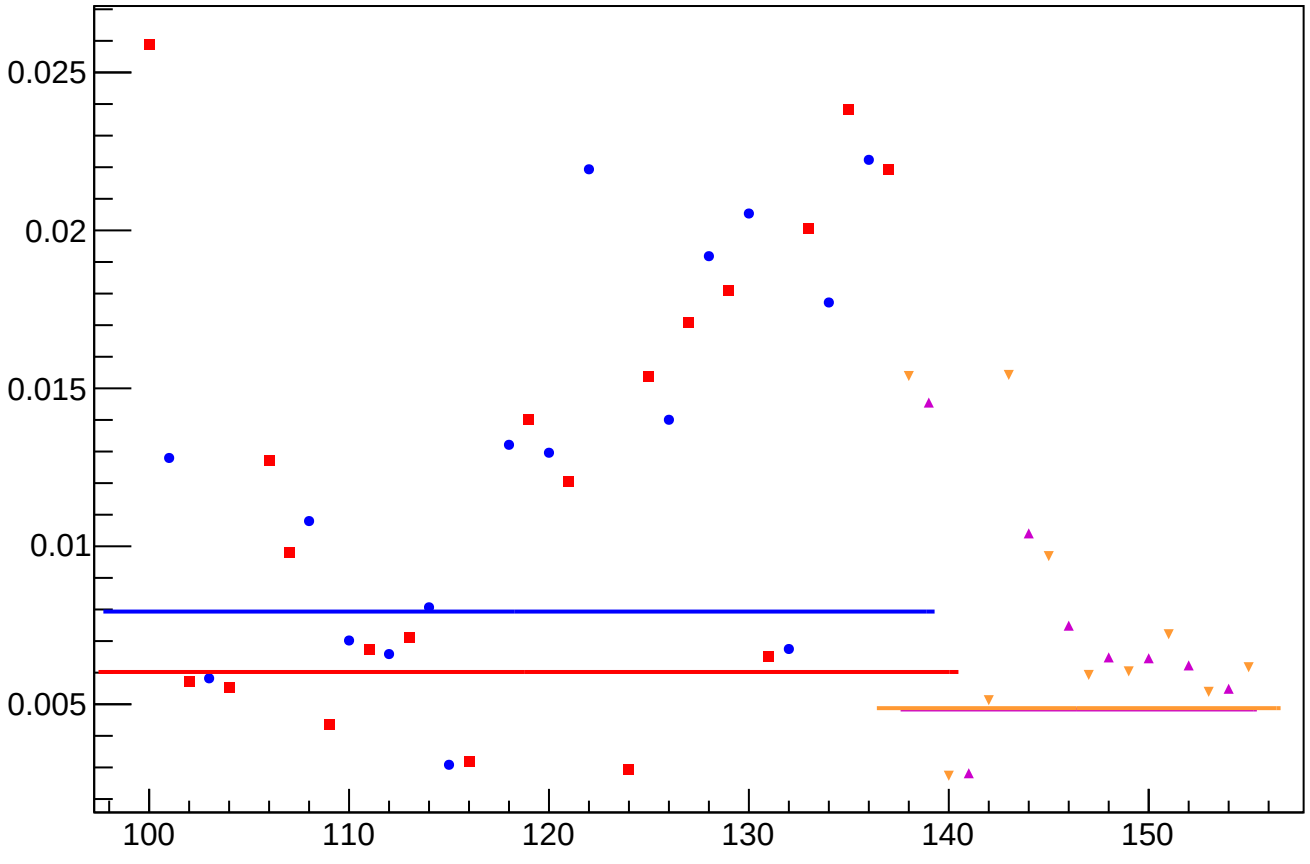
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 34.6/25

All: 0.000+/-0.000 χ^2/NDF: 57.0/52

- sign 0.000+/-0.000 χ^2/NDF: 17.6/26



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3222990.2/9

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

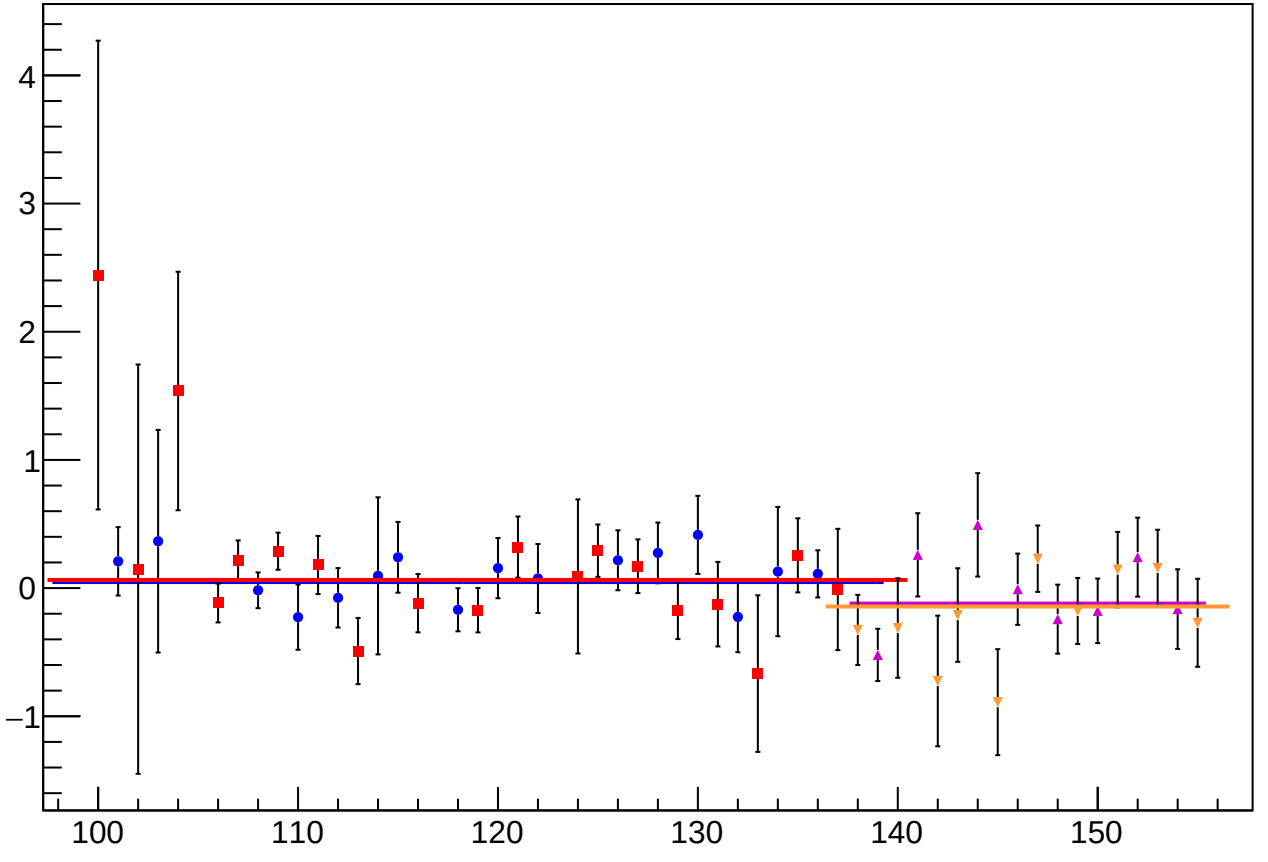
Left In: 0.005+/-0.000 χ^2/NDF:2564754.1/7

+ sign 0.006+/-0.000 χ^2/NDF: 7965314.0/25

All: 0.005+/-0.000 χ^2/NDF: 14831220.3/52

- sign 0.005+/-0.000 χ^2/NDF: 6822059.5/26

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.144+/-0.101 χ^2/NDF:9.4/9

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

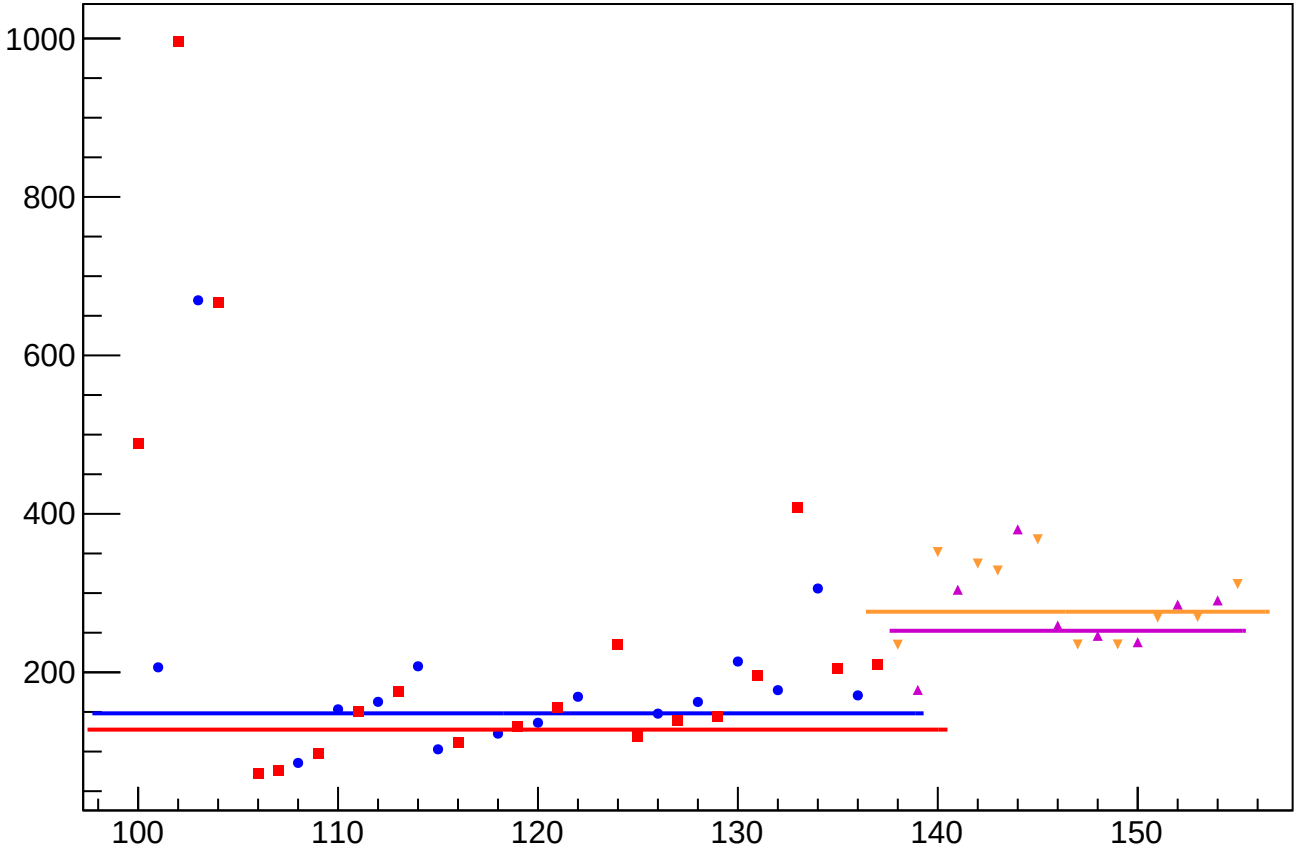
Left In: -0.121+/-0.099 χ^2/NDF:9.4/7

+ sign -0.003+/-0.052 χ^2/NDF: 20.6/25

All: 0.010+/-0.035 χ^2/NDF: 55.0/52

- sign 0.020+/-0.048 χ^2/NDF: 34.3/26

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 276.491+/-0.071 χ^2/NDF:413386.1/9

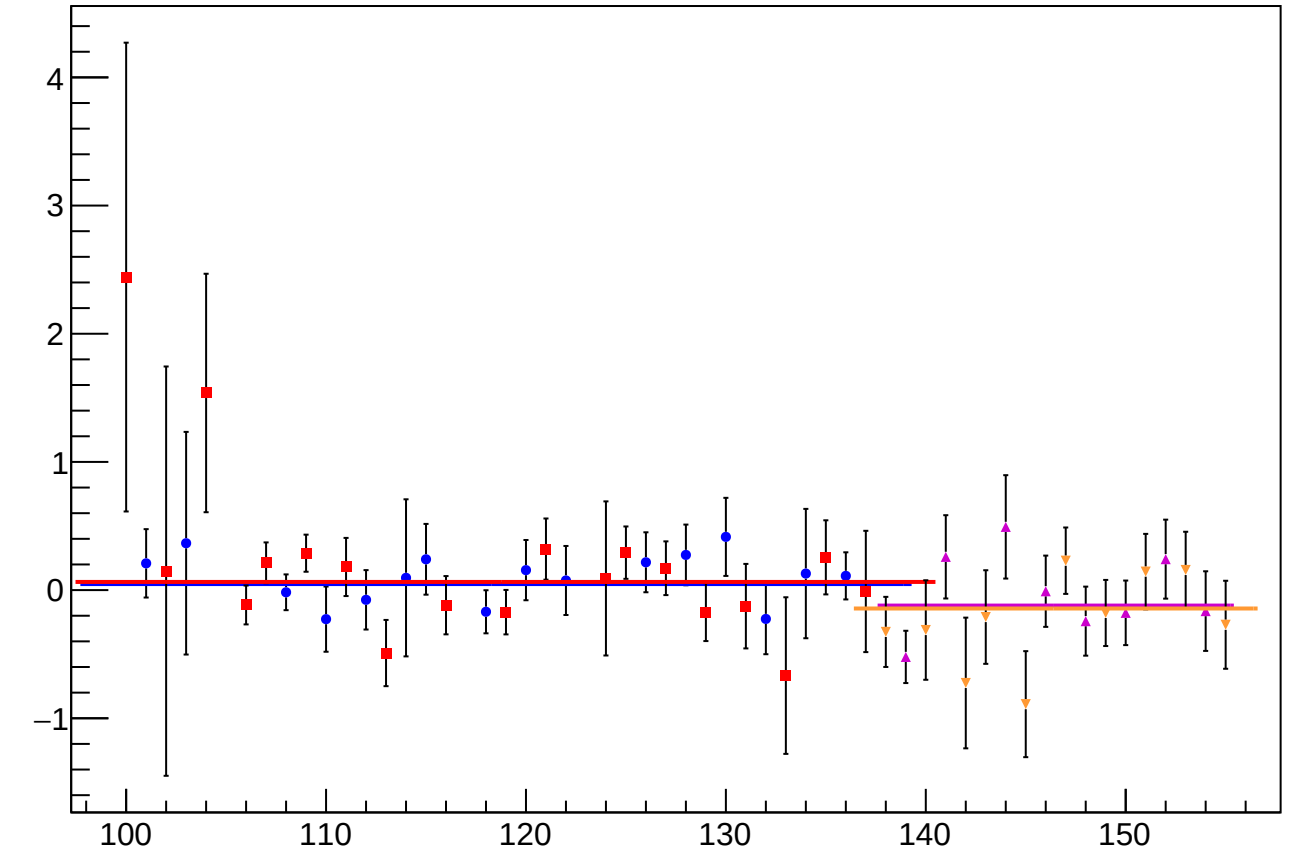
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 252.449+/-0.070 χ^2/NDF:582592.1/7

+ sign 181.813+/-0.036 χ^2/NDF: 4513538.6/25

All: 168.499+/-0.025 χ^2/NDF: 10638570.1/52

- sign 157.063+/-0.034 χ^2/NDF: 5877269.5/26



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.144+/-0.101 χ^2/NDF:9.4/9

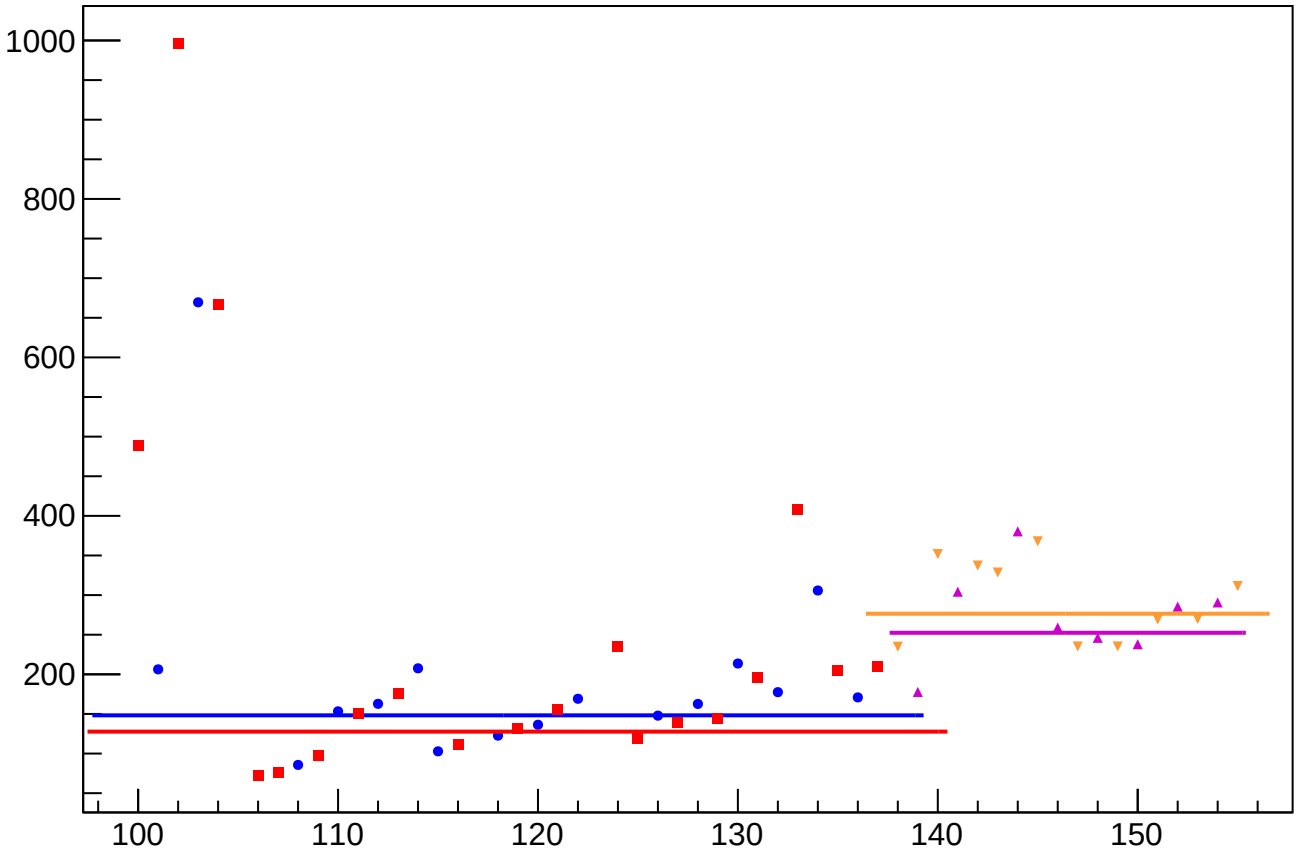
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.121+/-0.099 χ^2/NDF:9.4/7

+ sign -0.003+/-0.052 χ^2/NDF: 20.6/25

All: 0.010+/-0.035 χ^2/NDF: 55.0/52

- sign 0.020+/-0.048 χ^2/NDF: 34.3/26



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 276.491+/-0.071 χ^2/NDF:413386.1/9

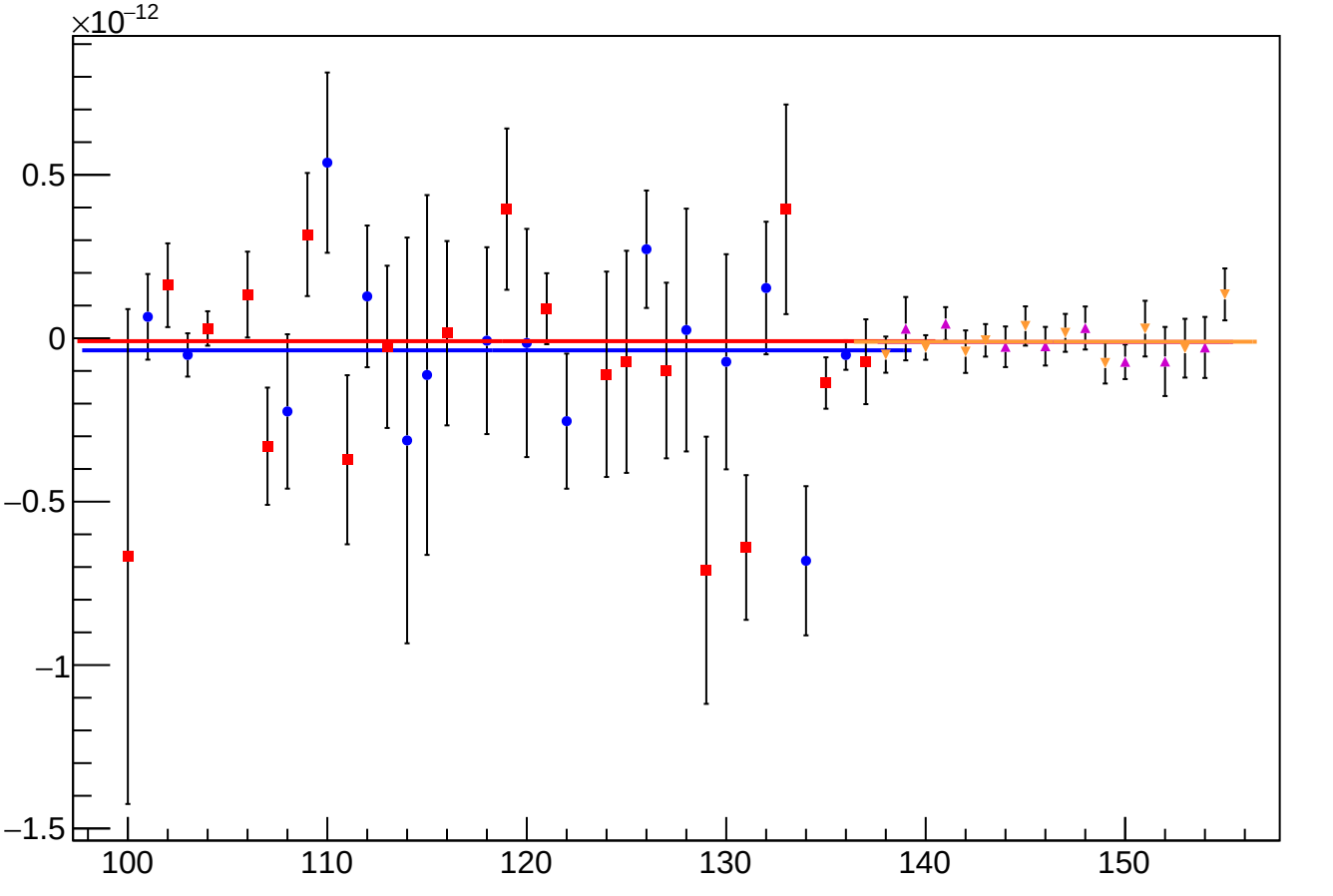
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 252.449+/-0.070 χ^2/NDF:582592.1/7

+ sign 181.813+/-0.036 χ^2/NDF: 4513538.6/25

All: 168.499+/-0.025 χ^2/NDF: 10638570.1/52

- sign 157.063+/-0.034 χ^2/NDF: 5877269.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.5/9

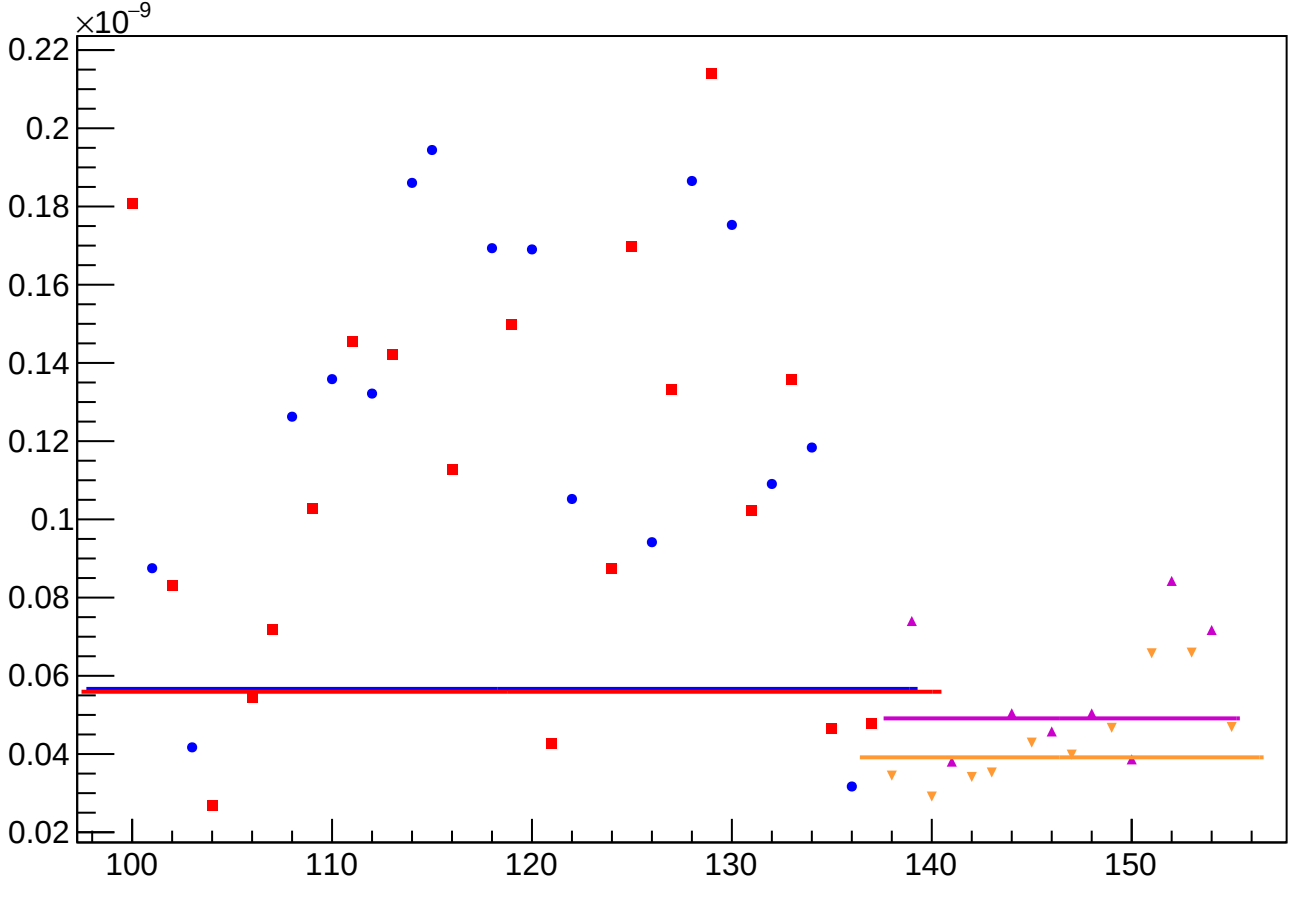
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/25

All: -0.000+/-0.000 χ^2/NDF: 61.9/52

- sign -0.000+/-0.000 χ^2/NDF: 35.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:608595.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

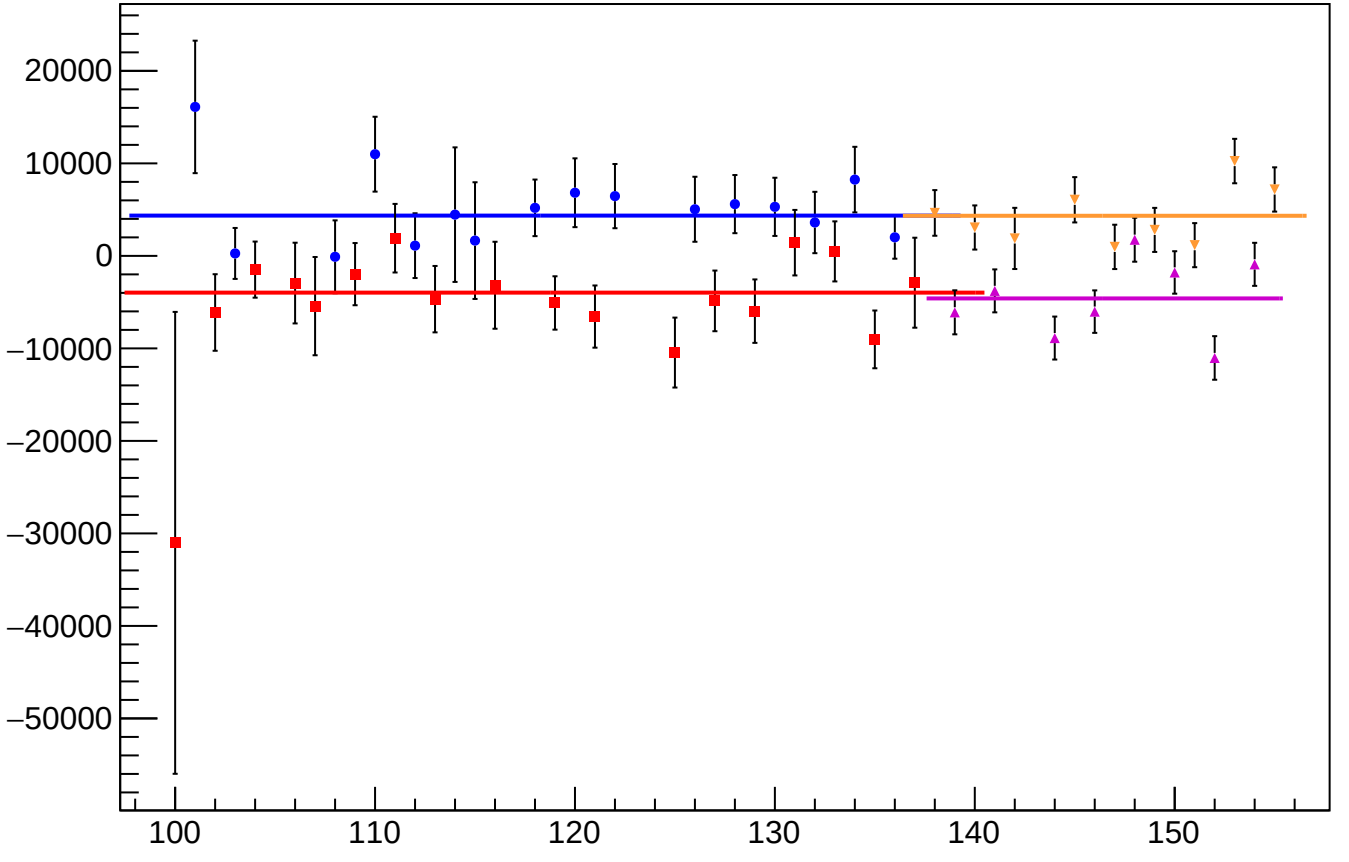
Left In: 0.000+/-0.000 χ^2/NDF:652581.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 4166726.9/25

All: 0.000+/-0.000 χ^2/NDF: 7818814.1/52

- sign 0.000+/-0.000 χ^2/NDF: 3444709.3/26

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4335.337+/-824.034 χ^2/NDF:13.0/8

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

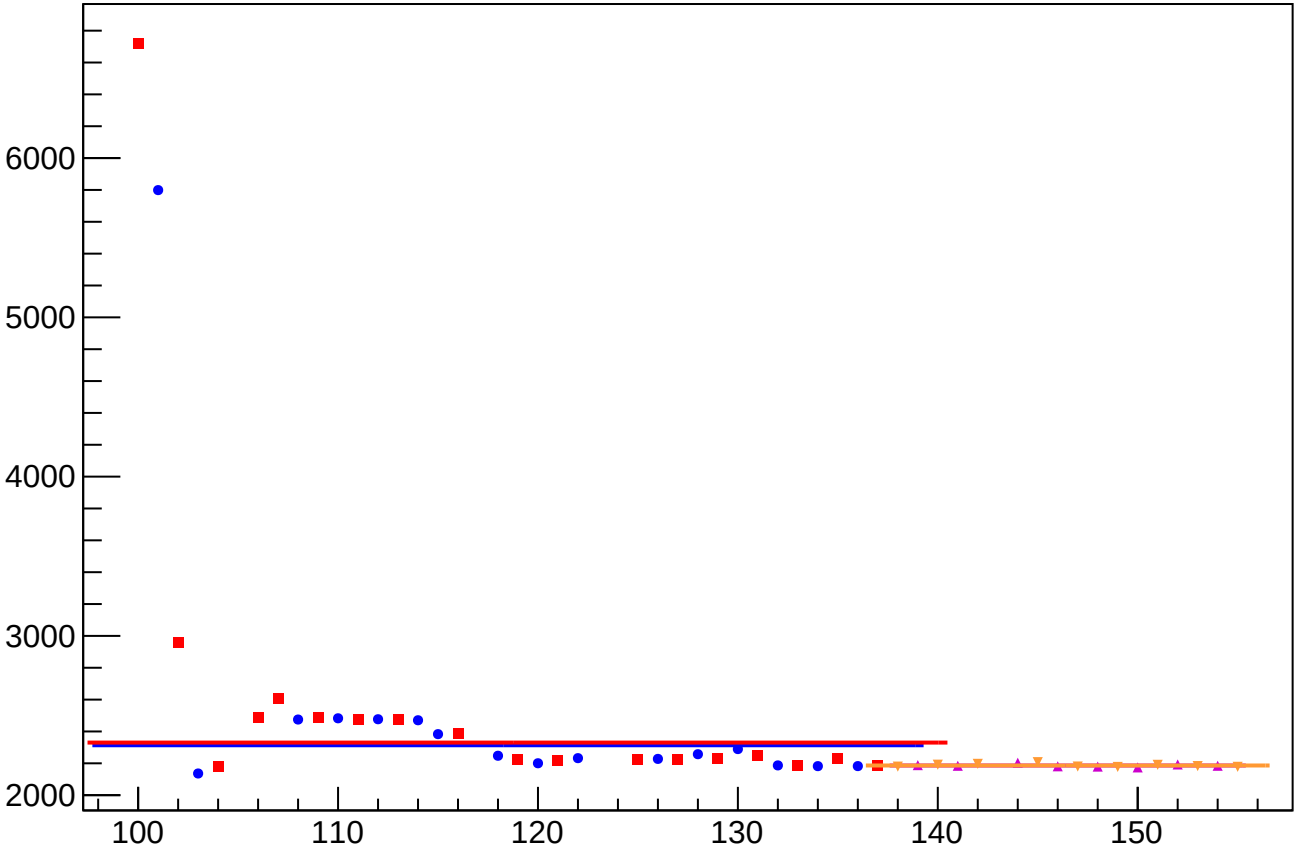
Left In: -4599.462+/-825.072 χ^2/NDF:22.9/7

+ sign 4344.272+/-599.939 χ^2/NDF: 26.3/24

All: 14.694+/-423.921 χ^2/NDF: 169.7/50

- sign -4302.667+/-599.092 χ^2/NDF: 39.3/25

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.337+/-0.583 χ^2/NDF:269.6/8

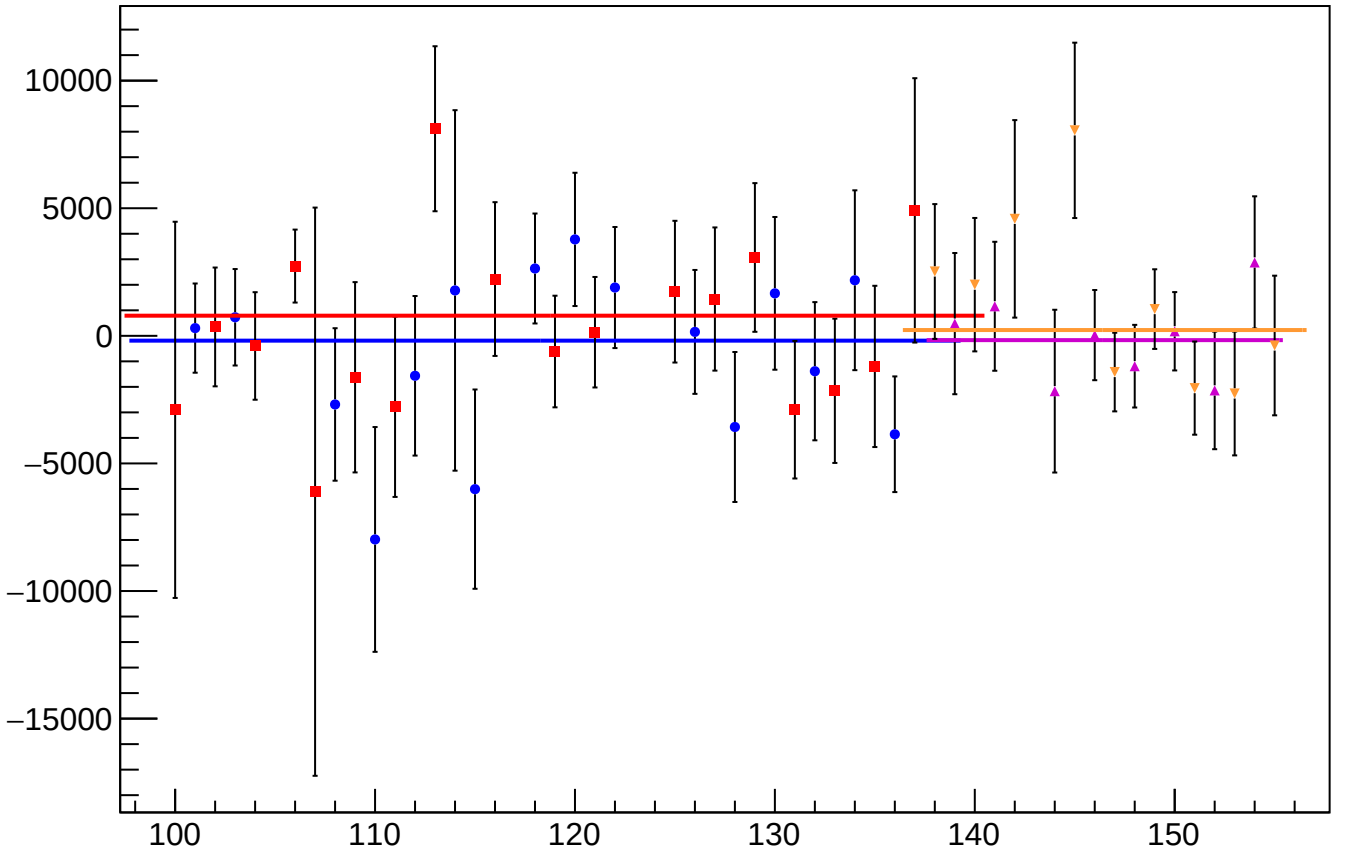
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.188+/-0.583 χ^2/NDF:211.8/7

+ sign 2246.055+/-0.424 χ^2/NDF: 534993.4/24

All: 2250.170+/-0.300 χ^2/NDF: 715410.4/50

- sign 2254.272+/-0.424 χ^2/NDF: 180229.2/25



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 226.794+/-729.972 χ^2/NDF:11.7/8

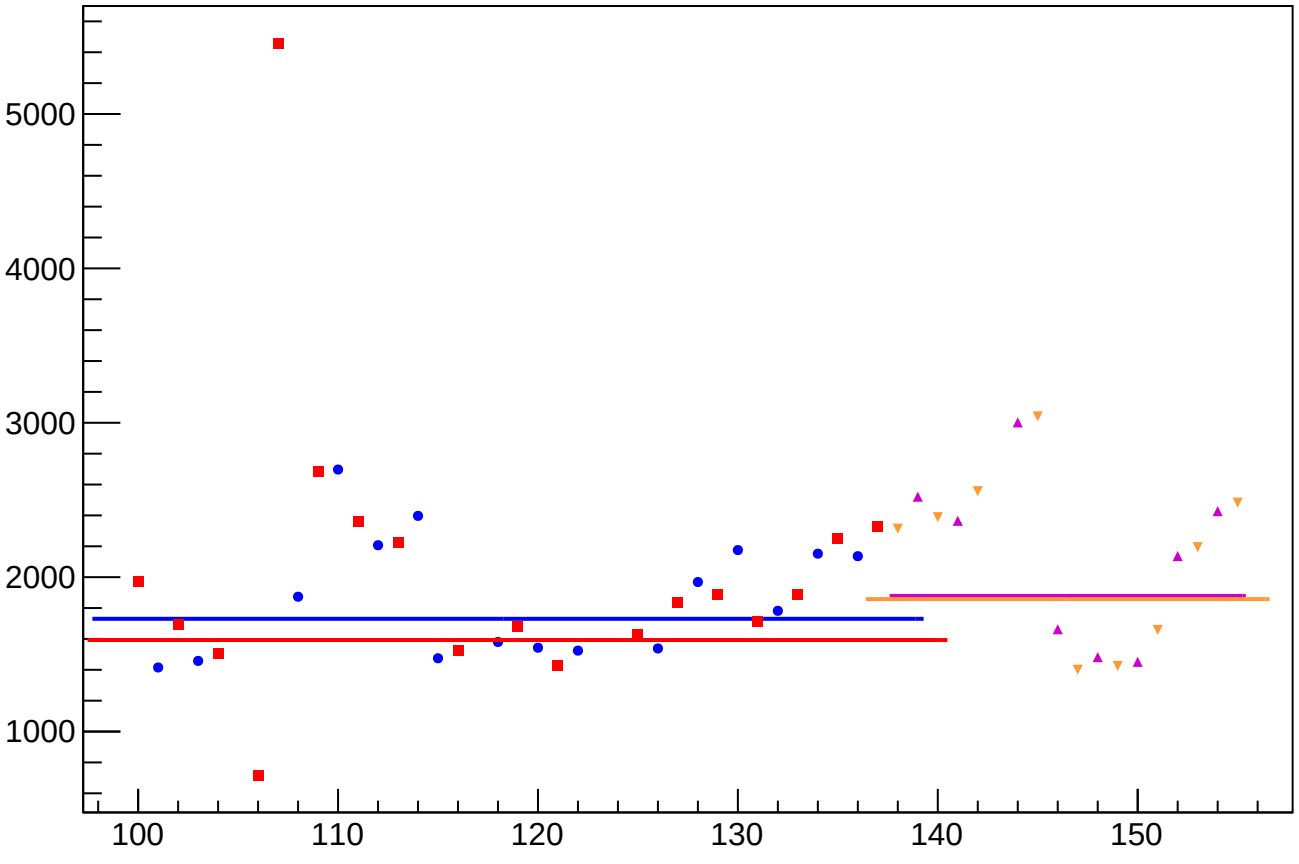
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -168.649+/-735.440 χ^2/NDF:3.3/7

+ sign -2.313+/-488.883 χ^2/NDF: 28.4/24

All: 192.237+/-342.722 χ^2/NDF: 47.8/50

- sign 380.242+/-480.589 χ^2/NDF: 19.2/25



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1857.820+/-0.516 χ^2/NDF:941574.3/8

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

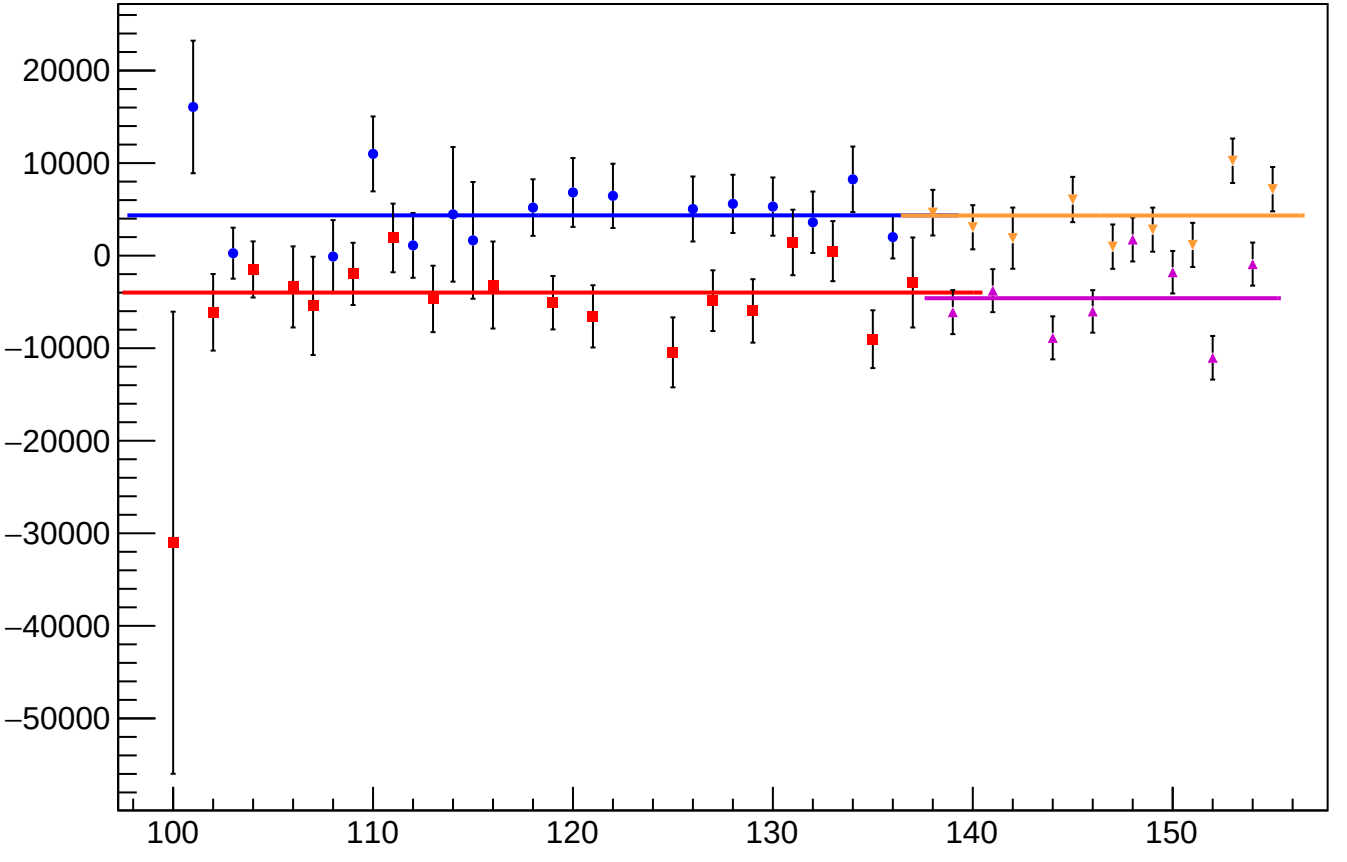
Left In: 1878.295+/-0.520 χ^2/NDF:849936.4/7

+ sign 1787.491+/-0.346 χ^2/NDF: 1454171.3/24

All: 1750.487+/-0.242 χ^2/NDF: 4055505.7/50

- sign 1714.727+/-0.340 χ^2/NDF: 2578803.3/25

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4335.172+/-824.034 χ^2/NDF:13.0/8

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

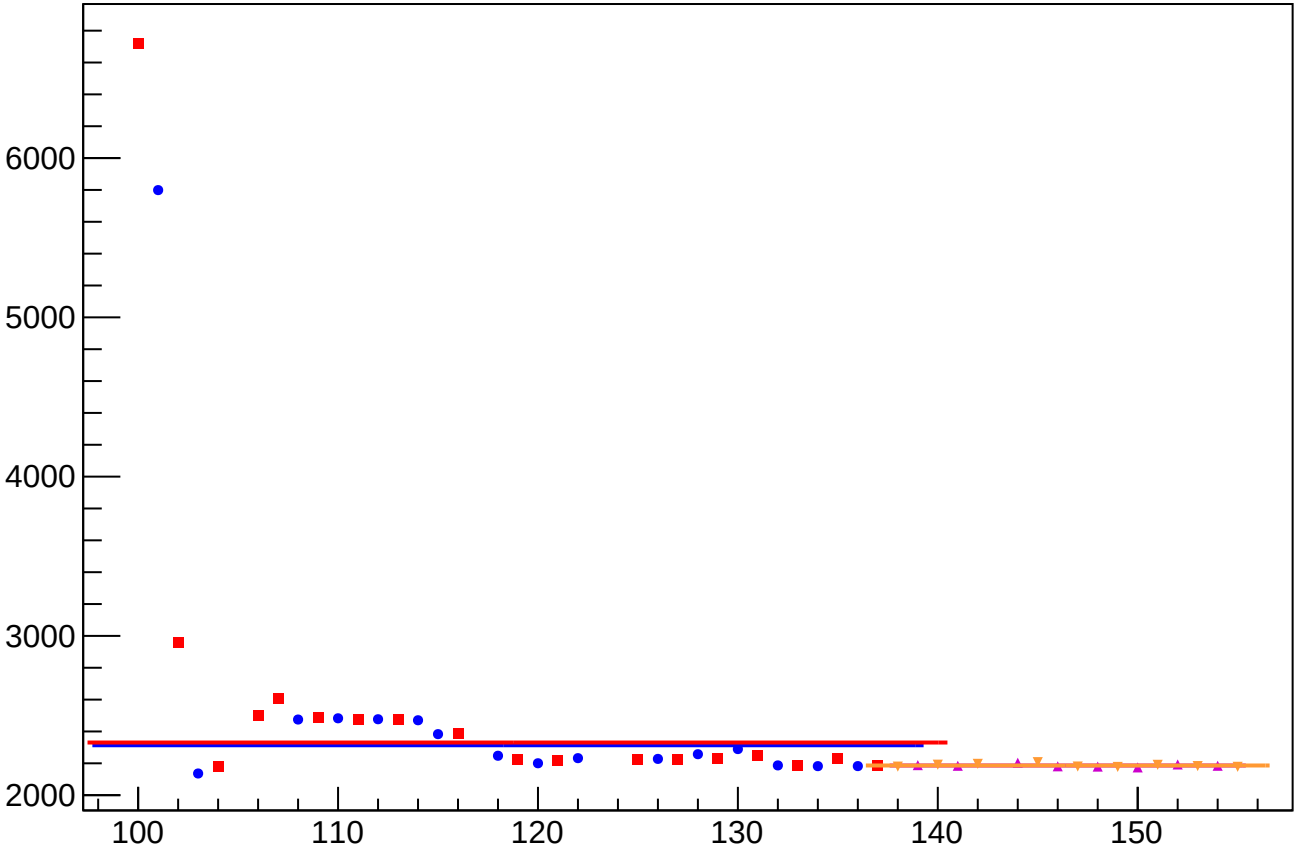
Left In: -4599.789+/-825.072 χ^2/NDF:22.9/7

+ sign 4343.865+/-599.939 χ^2/NDF: 26.3/24

All: 10.421+/-423.938 χ^2/NDF: 169.8/50

- sign -4311.499+/-599.141 χ^2/NDF: 39.3/25

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.337+/-0.583 χ^2/NDF:269.6/8

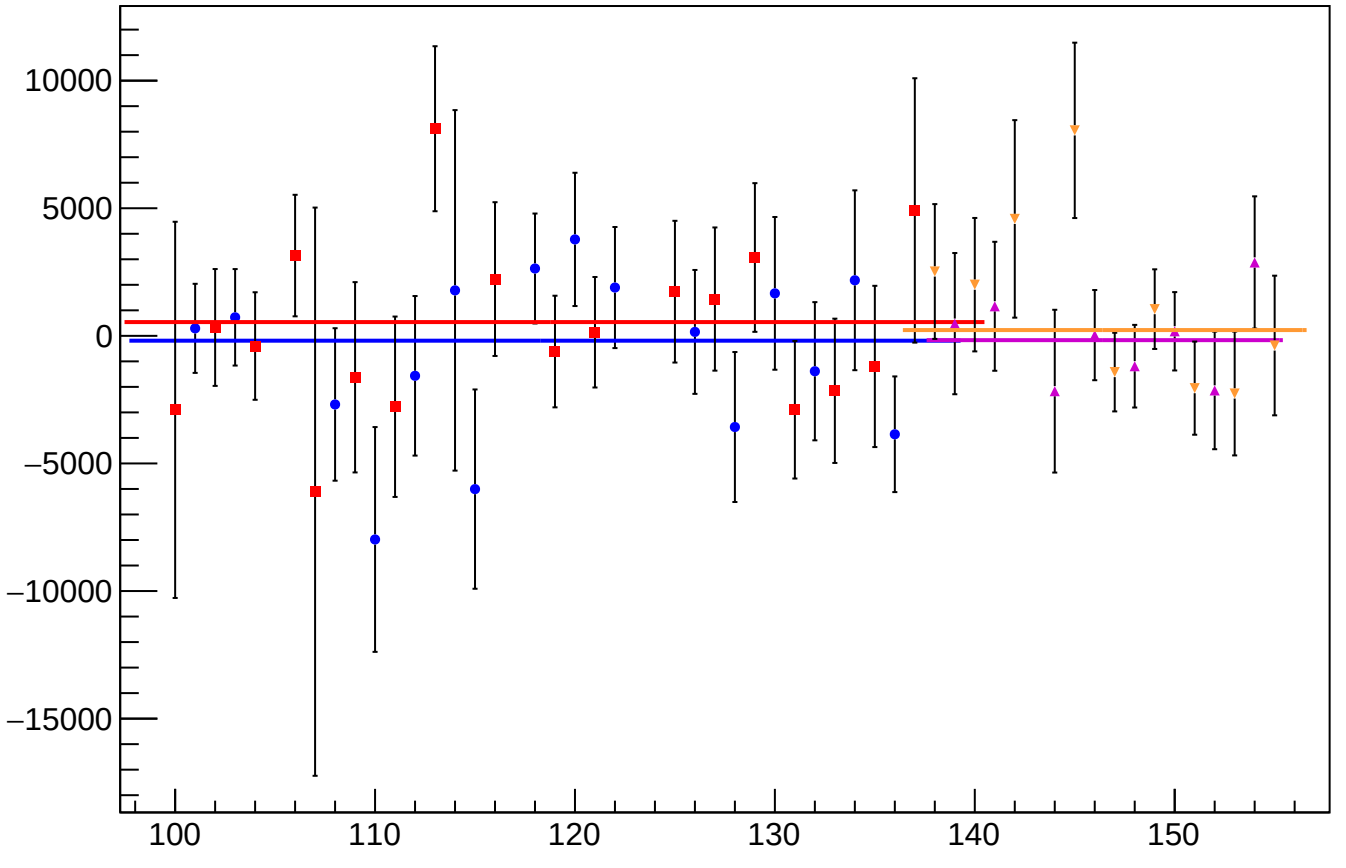
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.188+/-0.583 χ^2/NDF:211.8/7

+ sign 2246.055+/-0.424 χ^2/NDF: 534993.8/24

All: 2250.250+/-0.300 χ^2/NDF: 715907.1/50

- sign 2254.435+/-0.424 χ^2/NDF: 180718.0/25



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 226.466+/-729.970 χ^2/NDF:11.7/8

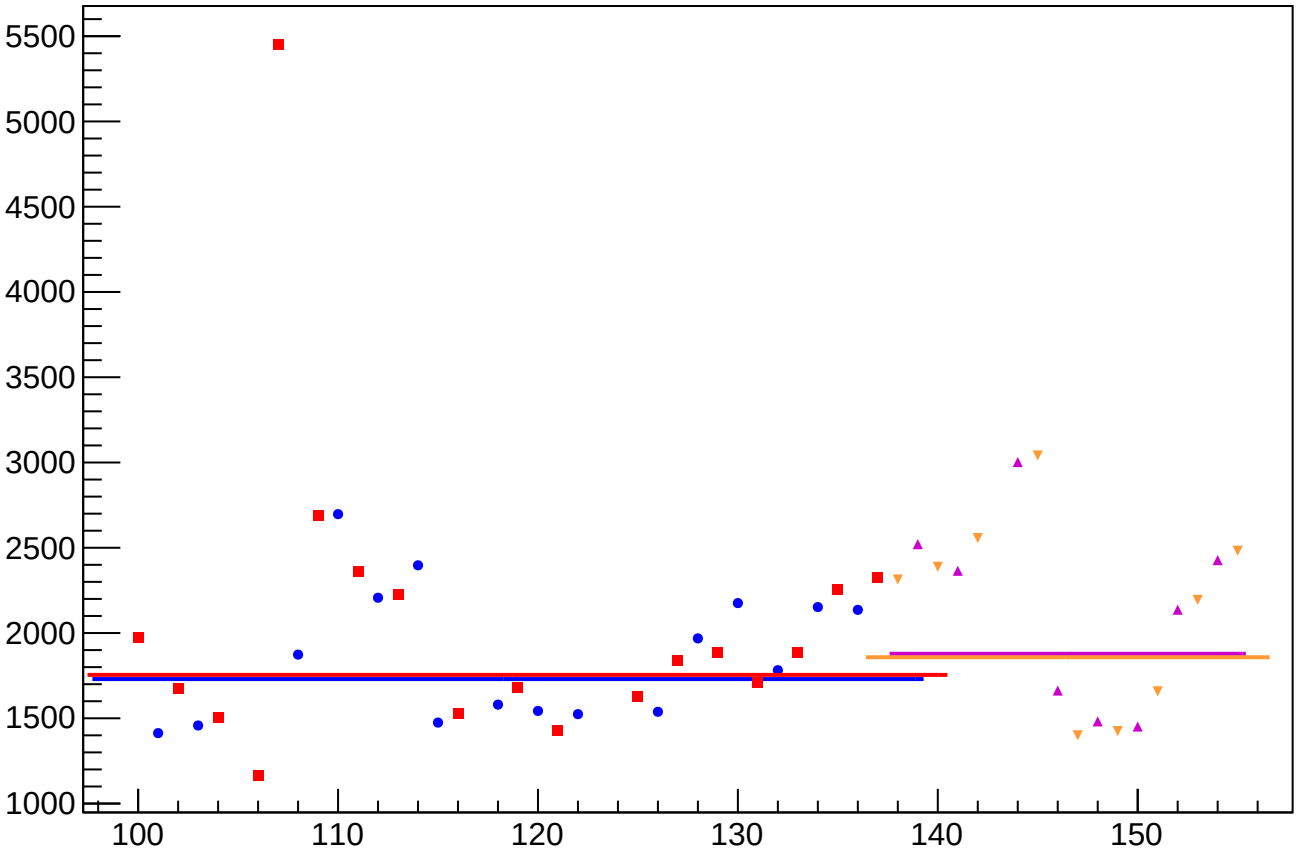
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -168.802+/-735.441 χ^2/NDF:3.3/7

\+ sign -3.108+/-488.829 χ^2/NDF: 28.4/24

All: 103.295+/-349.049 χ^2/NDF: 46.2/50

\- sign 213.984+/-498.575 χ^2/NDF: 17.7/25



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1857.814+/-0.516 χ^2/NDF:941580.8/8

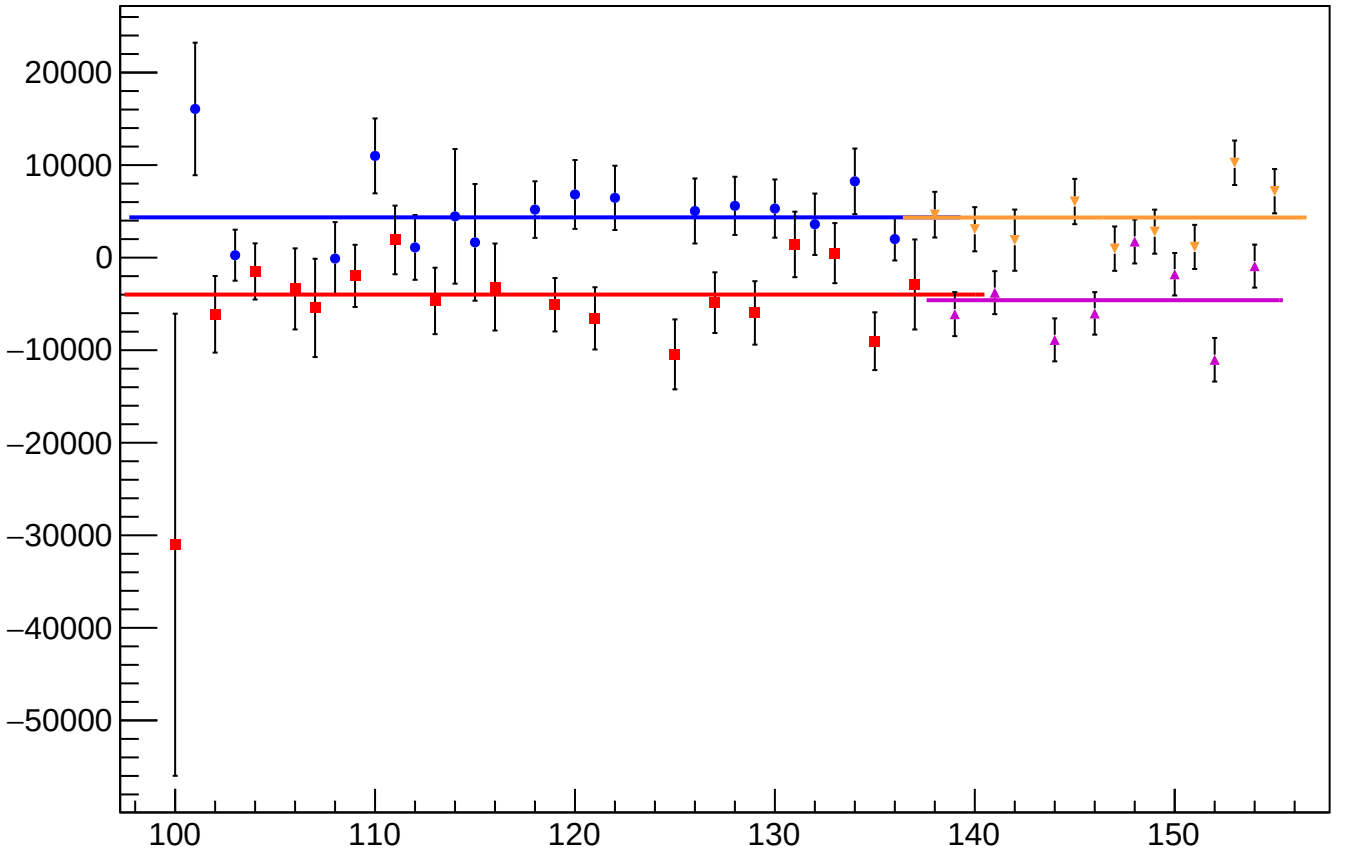
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1878.300+/-0.520 χ^2/NDF:849941.2/7

+ sign 1787.261+/-0.346 χ^2/NDF: 1455352.7/24

All: 1799.098+/-0.247 χ^2/NDF: 3089310.3/50

- sign 1811.411+/-0.353 χ^2/NDF: 1631565.0/25



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4335.172+/-824.034 χ^2/NDF:13.0/8

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

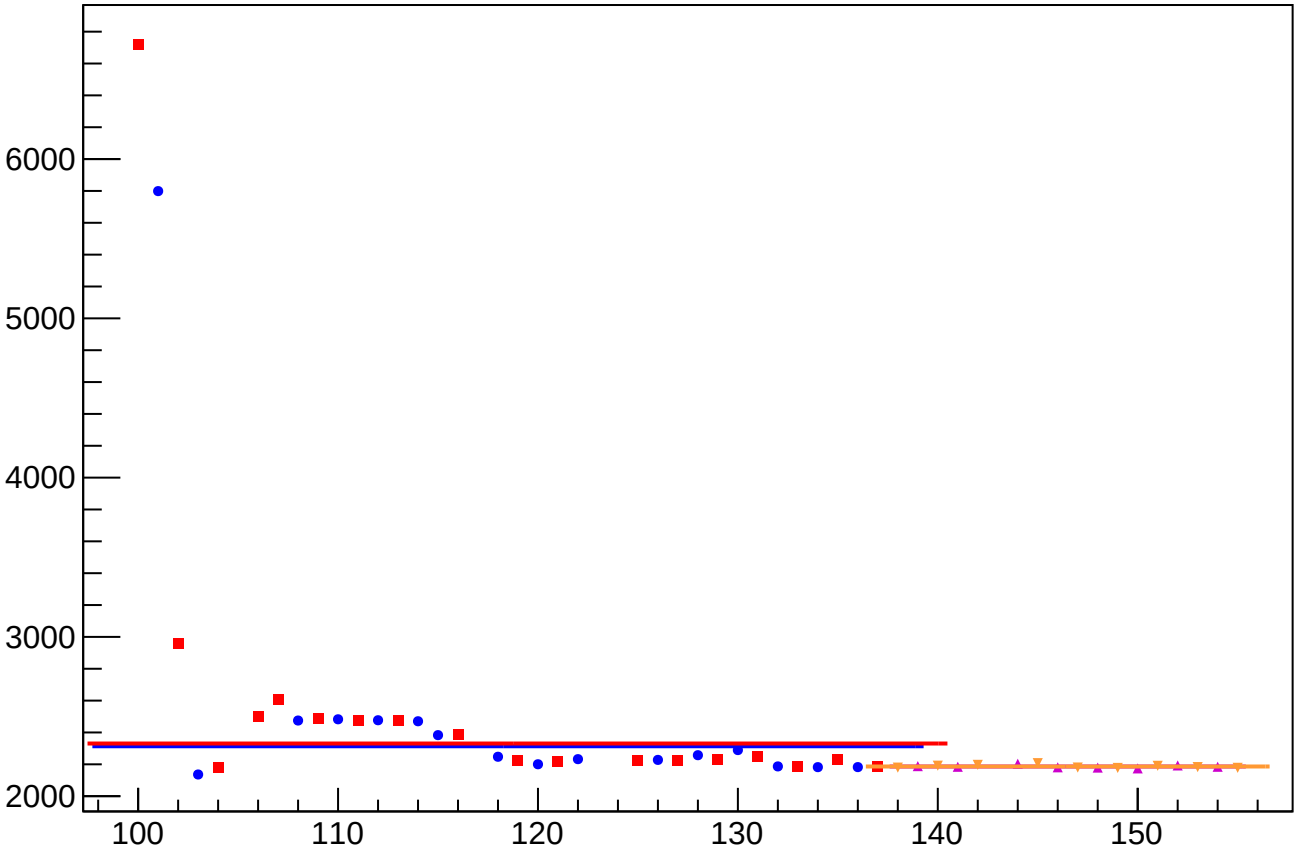
Left In: -4599.789+/-825.072 χ^2/NDF:22.9/7

+ sign 4343.865+/-599.939 χ^2/NDF: 26.3/24

All: 10.421+/-423.938 χ^2/NDF: 169.8/50

- sign -4311.499+/-599.141 χ^2/NDF: 39.3/25

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: 2186.337+/-0.583 χ^2/NDF:269.6/8

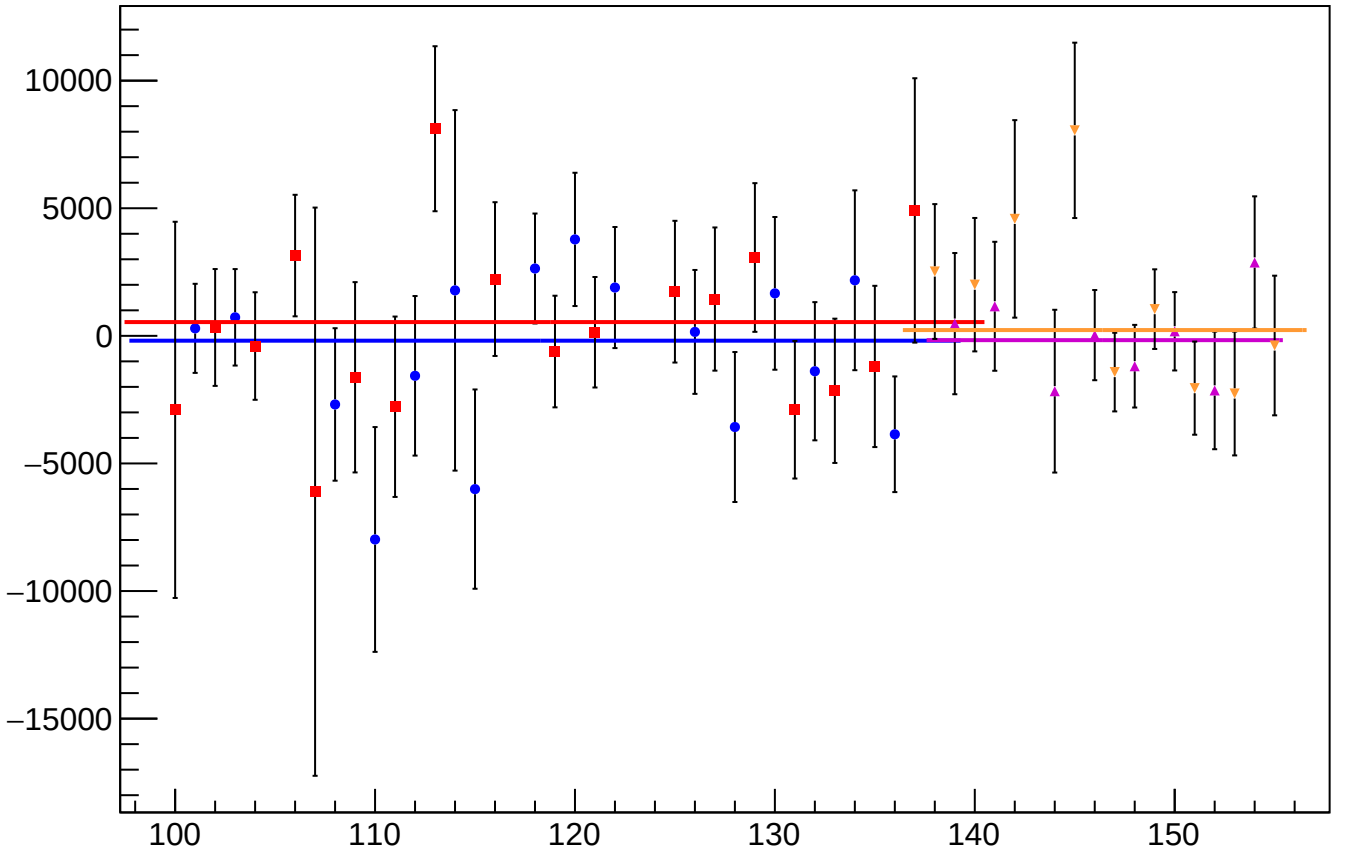
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.188+/-0.583 χ^2/NDF:211.8/7

+ sign 2246.055+/-0.424 χ^2/NDF: 534993.8/24

All: 2250.250+/-0.300 χ^2/NDF: 715907.1/50

- sign 2254.435+/-0.424 χ^2/NDF: 180718.0/25



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 226.466+/-729.970 χ^2/NDF:11.7/8

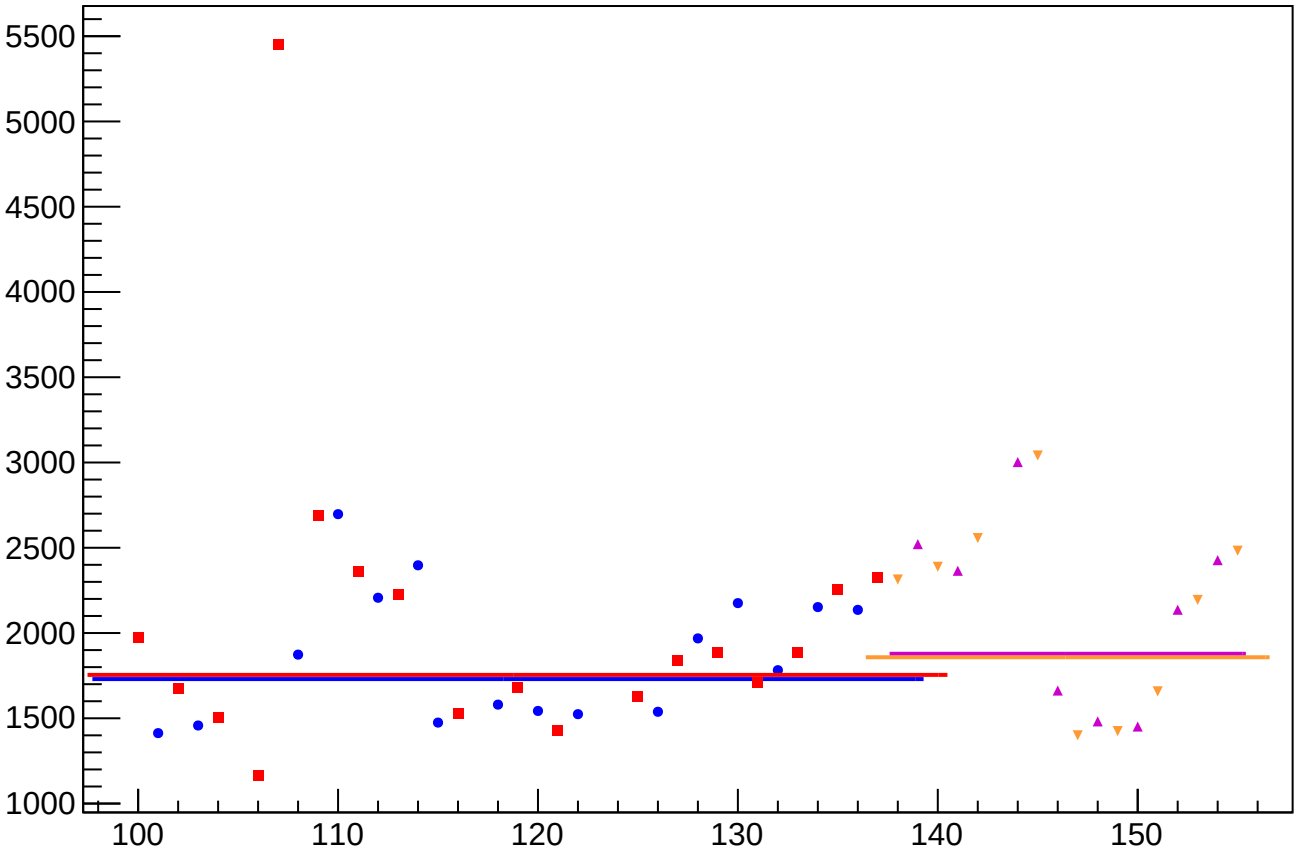
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -168.802+/-735.441 χ^2/NDF:3.3/7

\+ sign -3.108+/-488.829 χ^2/NDF: 28.4/24

All: 103.295+/-349.049 χ^2/NDF: 46.2/50

\- sign 213.984+/-498.575 χ^2/NDF: 17.7/25



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1857.814+/-0.516 χ^2/NDF:941580.8/8

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

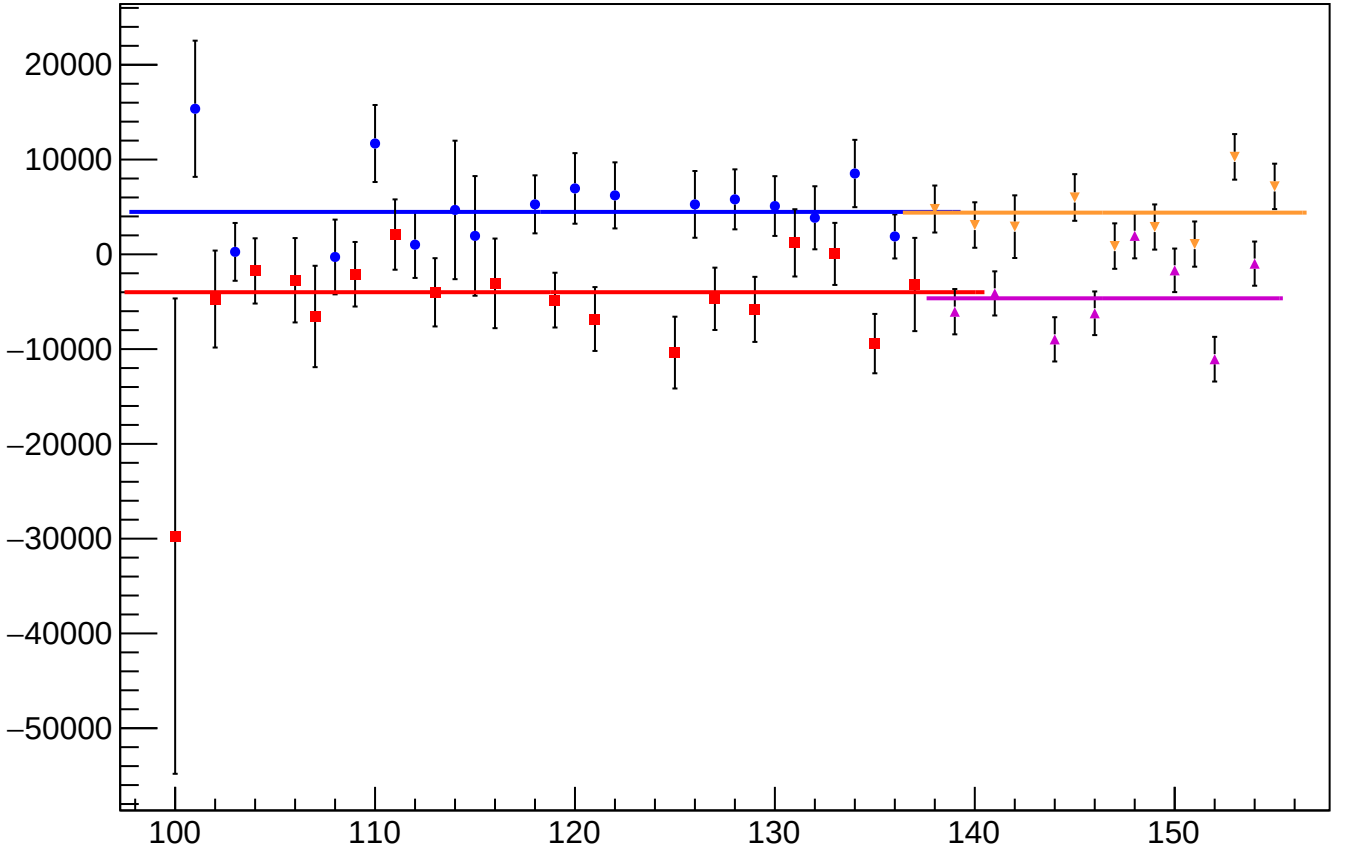
Left In: 1878.300+/-0.520 χ^2/NDF:849941.2/7

+ sign 1787.261+/-0.346 χ^2/NDF: 1455352.7/24

All: 1799.098+/-0.247 χ^2/NDF: 3089310.3/50

- sign 1811.411+/-0.353 χ^2/NDF: 1631565.0/25

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4398.837+/-826.044 χ^2/NDF:12.8/8

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

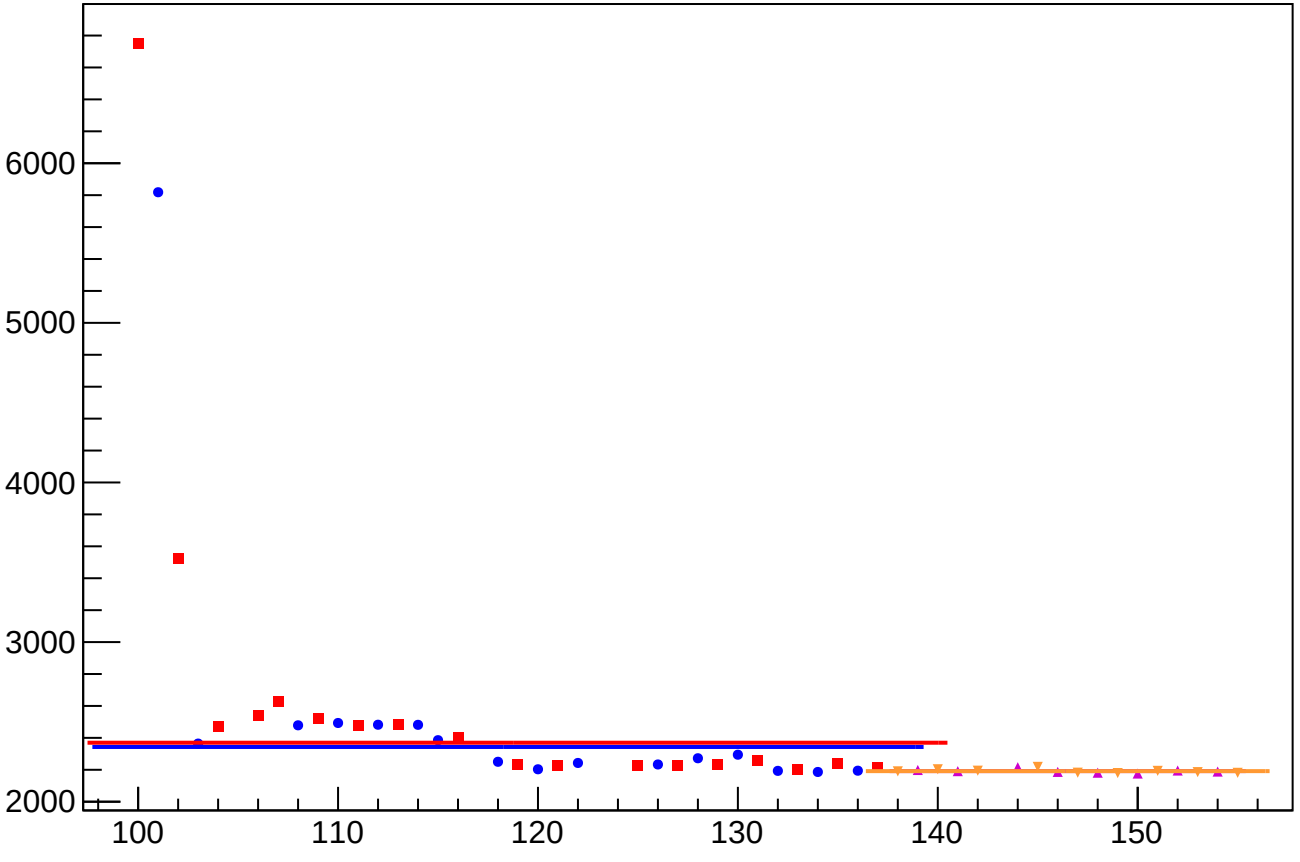
Left In: -4640.778+/-827.260 χ^2/NDF:23.5/7

+ sign 4434.916+/-604.214 χ^2/NDF: 26.3/24

All: 59.908+/-427.898 χ^2/NDF: 170.8/50

- sign -4341.984+/-606.067 χ^2/NDF: 39.3/25

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.536+/-0.584 χ^2/NDF:422.2/8

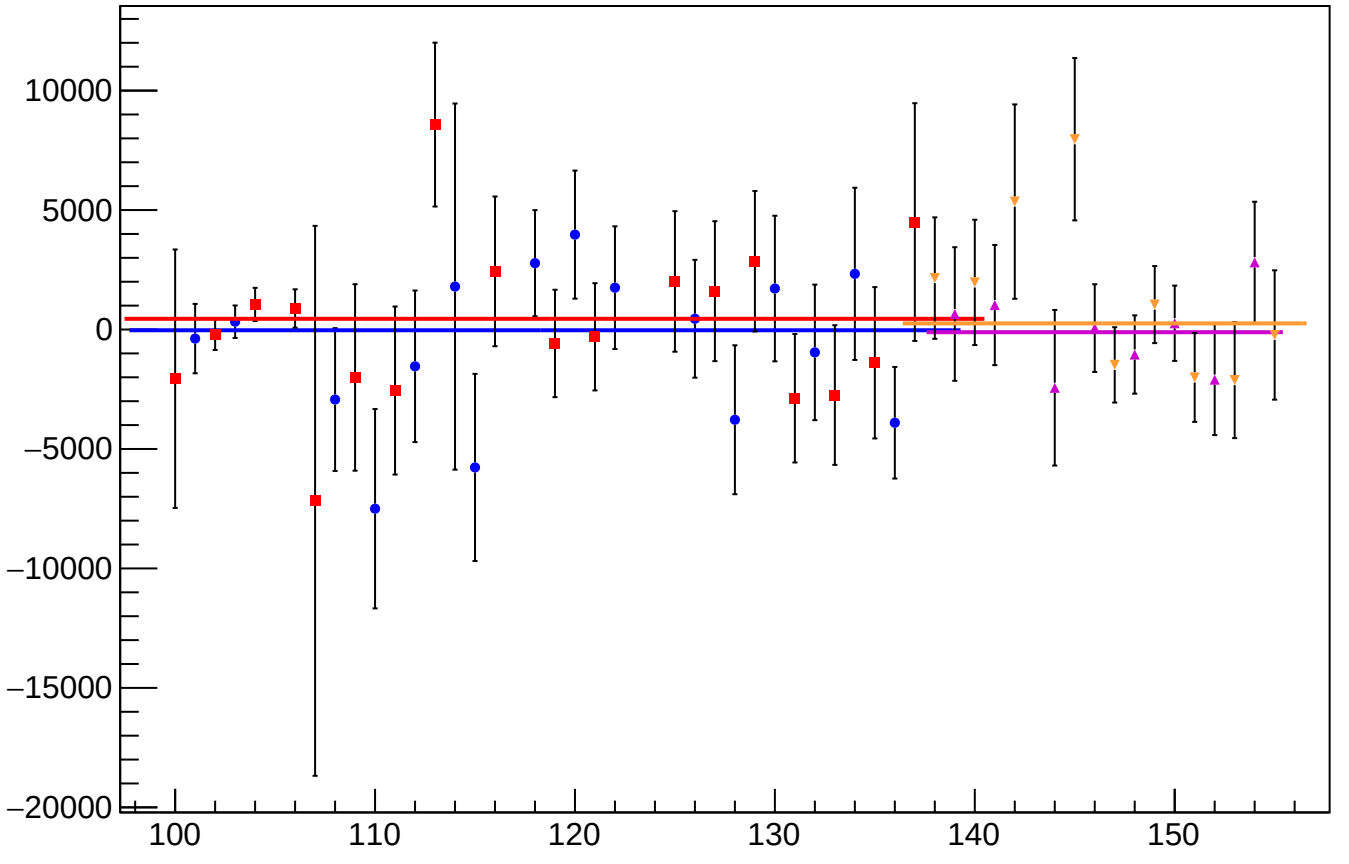
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2191.875+/-0.585 χ^2/NDF:377.5/7

+ sign 2261.923+/-0.427 χ^2/NDF: 534518.9/24

All: 2268.041+/-0.303 χ^2/NDF: 788205.9/50

- sign 2274.197+/-0.429 χ^2/NDF: 253275.6/25



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 256.135+/-739.326 χ^2/NDF:11.6/8

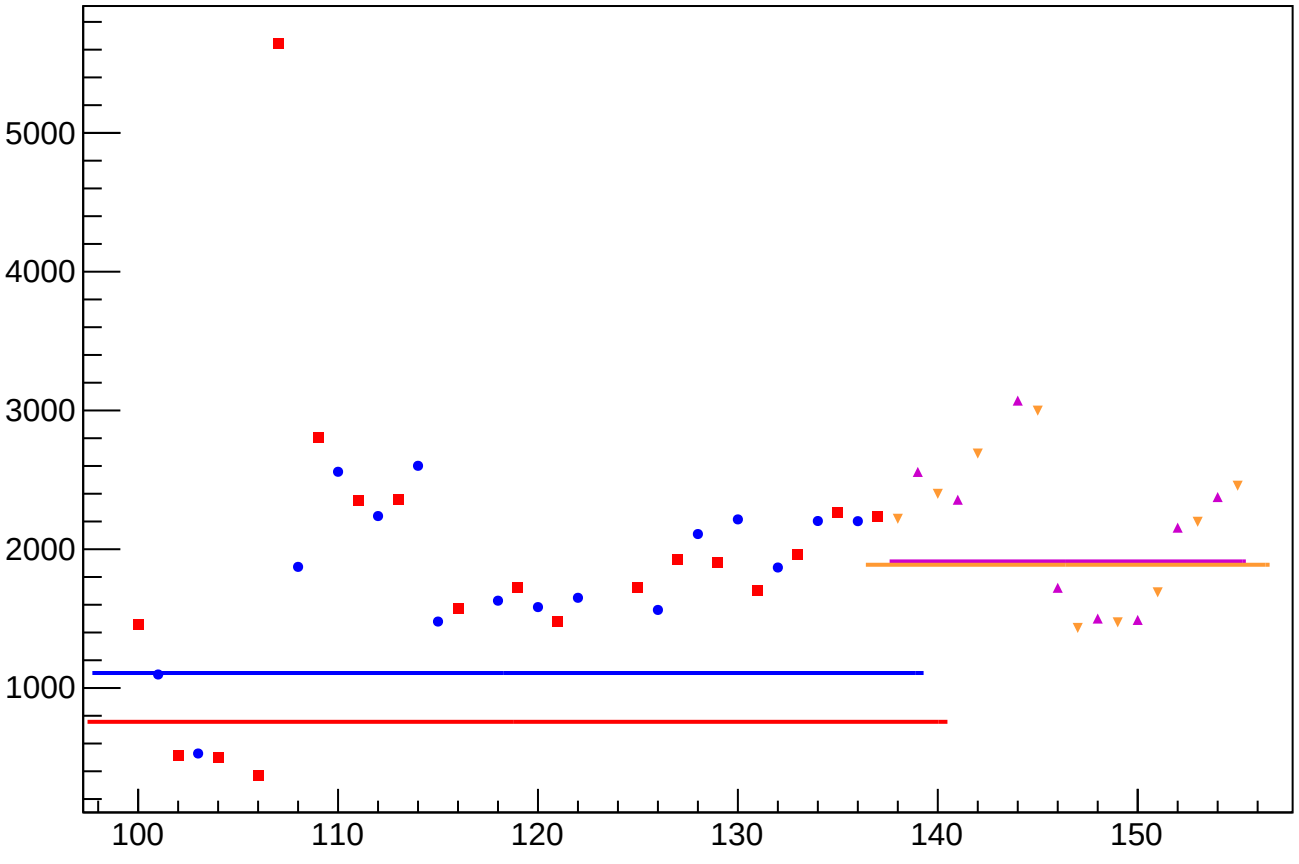
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -112.317+/-746.701 χ^2/NDF:3.2/7

+ sign 55.196+/-405.721 χ^2/NDF: 28.1/24

All: 228.994+/-254.201 χ^2/NDF: 47.1/50

- sign 341.309+/-326.154 χ^2/NDF: 18.8/25



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1888.196+/-0.523 χ^2/NDF:844453.3/8

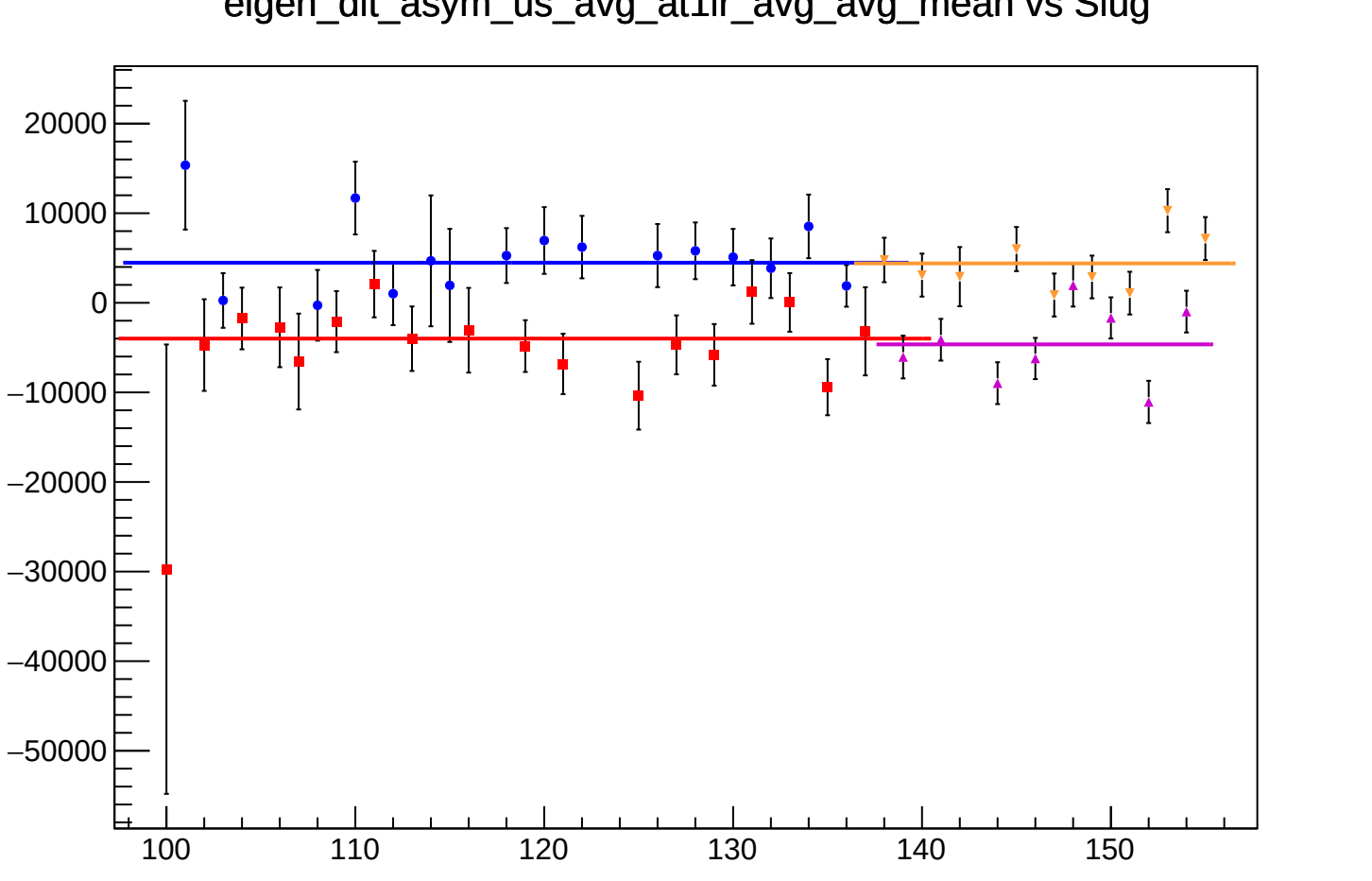
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1912.258+/-0.528 χ^2/NDF:802003.0/7

+ sign 1343.054+/-0.287 χ^2/NDF: 6146873.4/24

All: 1120.659+/-0.180 χ^2/NDF: 17419229.6/5

- sign 976.940+/-0.231 χ^2/NDF: 10283086.7/25



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4398.837+/-826.044 χ^2/NDF:12.8/8

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

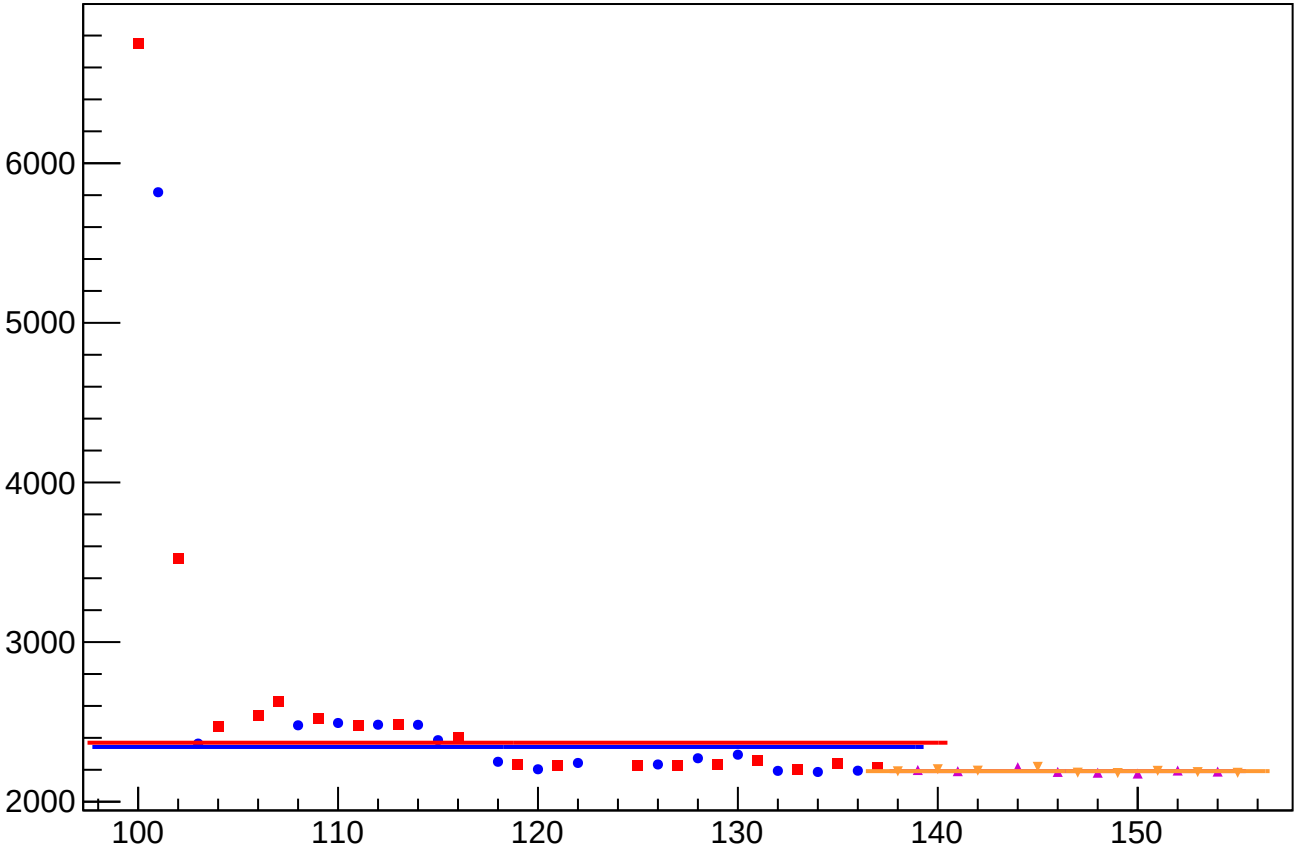
Left In: -4640.779+/-827.260 χ^2/NDF:23.5/7

+ sign 4434.914+/-604.214 χ^2/NDF: 26.3/24

All: 59.908+/-427.897 χ^2/NDF: 170.8/50

- sign -4341.983+/-606.067 χ^2/NDF: 39.3/25

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.536+/-0.584 χ^2/NDF:422.2/8

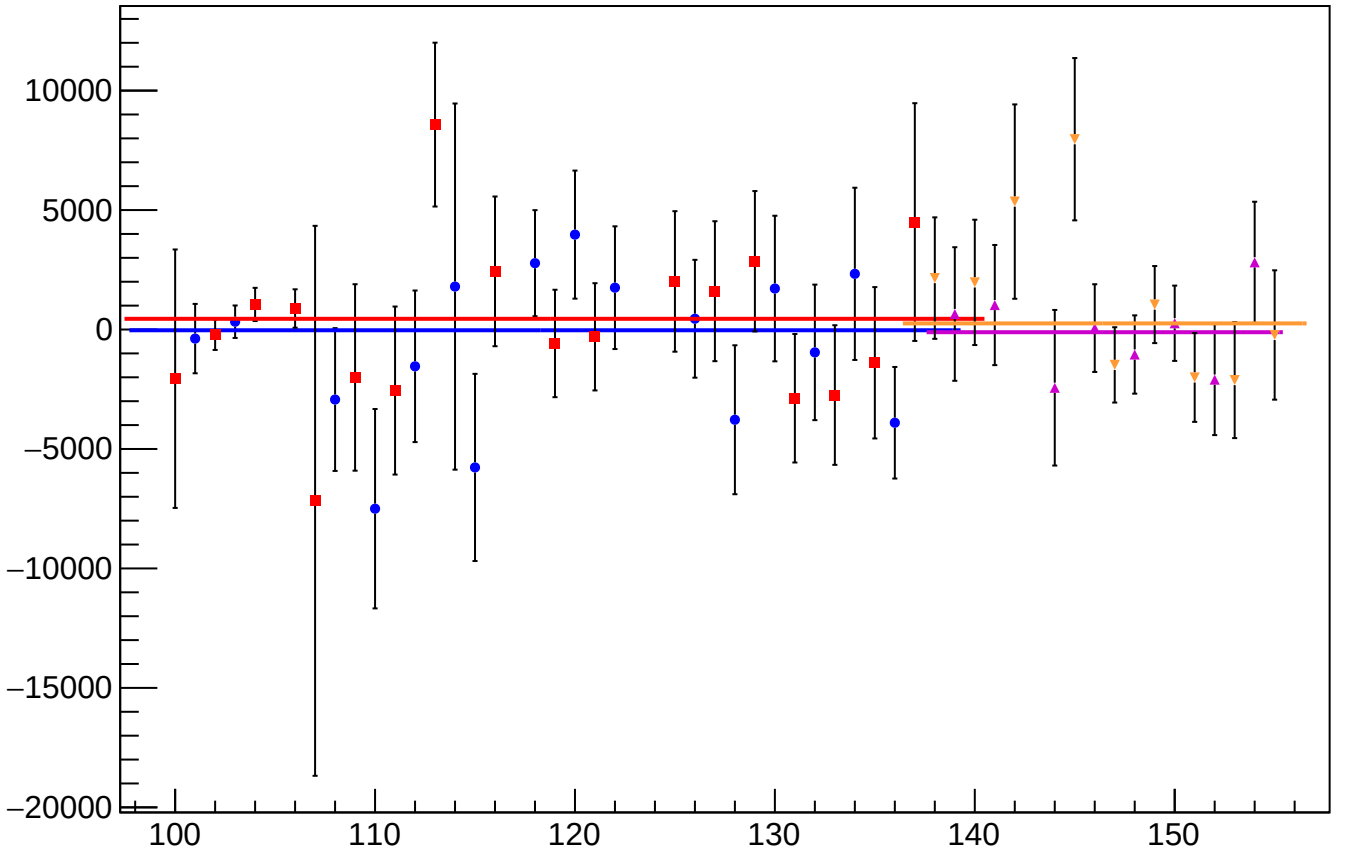
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2191.875+/-0.585 χ^2/NDF:377.5/7

+ sign 2261.923+/-0.427 χ^2/NDF: 534518.7/24

All: 2268.041+/-0.303 χ^2/NDF: 788204.3/50

- sign 2274.196+/-0.429 χ^2/NDF: 253274.3/25



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 256.131+/-739.327 χ^2/NDF:11.6/8

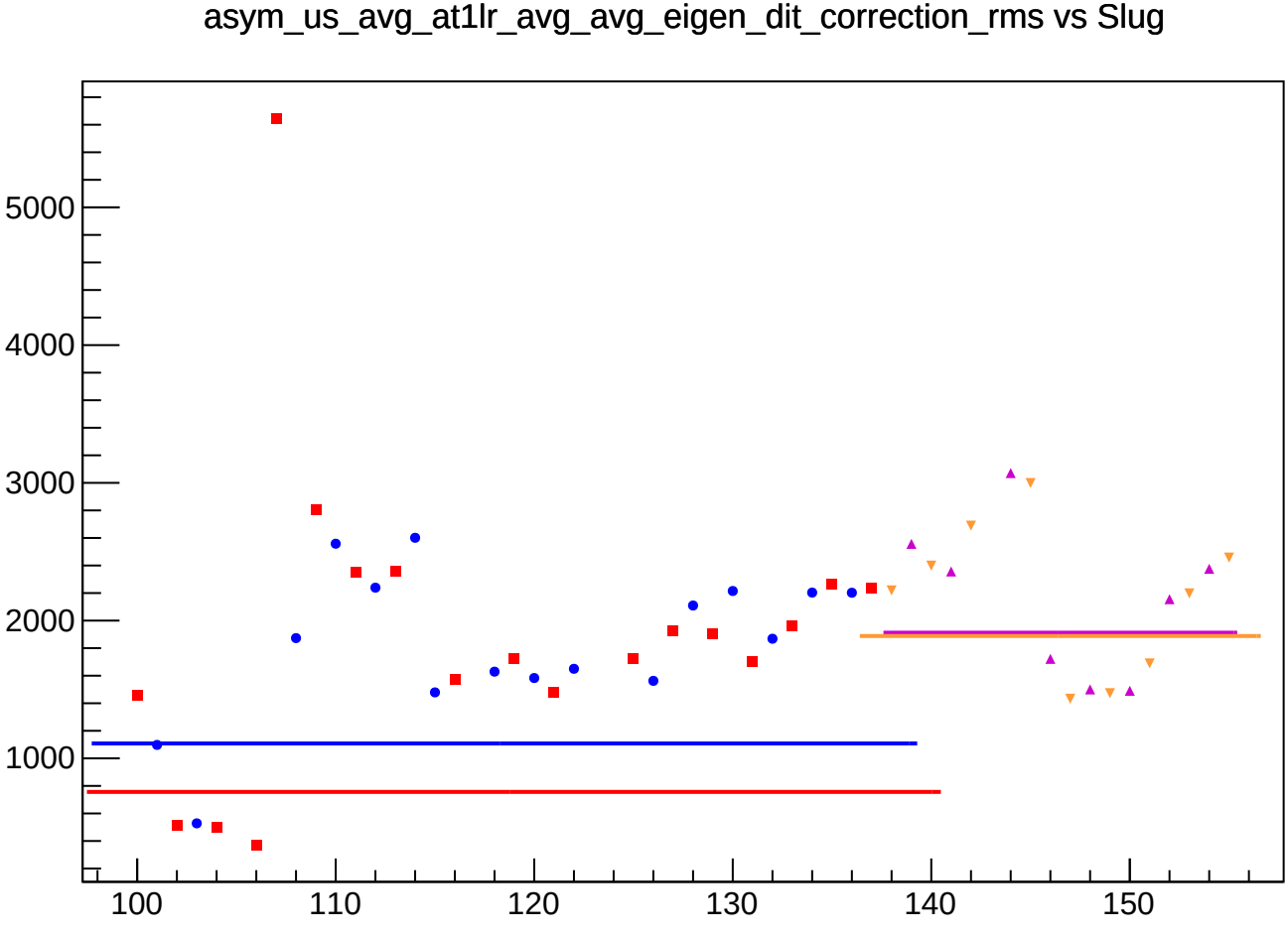
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -112.318+/-746.702 χ^2/NDF:3.2/7

+ sign 55.191+/-405.723 χ^2/NDF: 28.1/24

All: 228.992+/-254.203 χ^2/NDF: 47.1/50

- sign 341.310+/-326.158 χ^2/NDF: 18.8/25



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1888.199+/-0.523 χ^2/NDF:844453.3/8

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

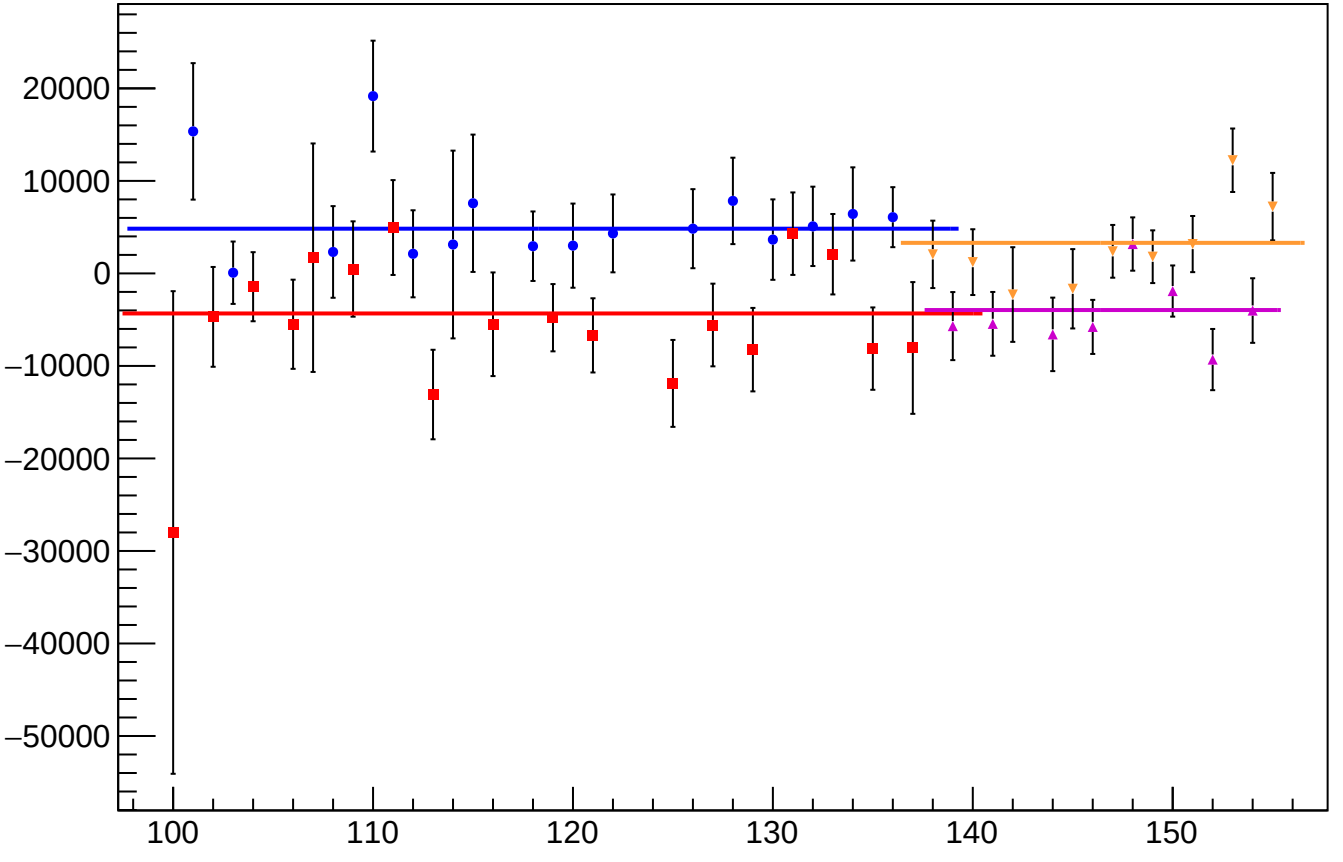
Left In: 1912.261+/-0.528 χ^2/NDF:802002.3/7

+ sign 1343.063+/-0.287 χ^2/NDF: 6146763.4/24

All: 1120.674+/-0.180 χ^2/NDF: 17418835.7/5

- sign 976.957+/-0.231 χ^2/NDF: 10282858.8/25

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3302.895+/-1145.651 χ^2/NDF:11.3/8

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

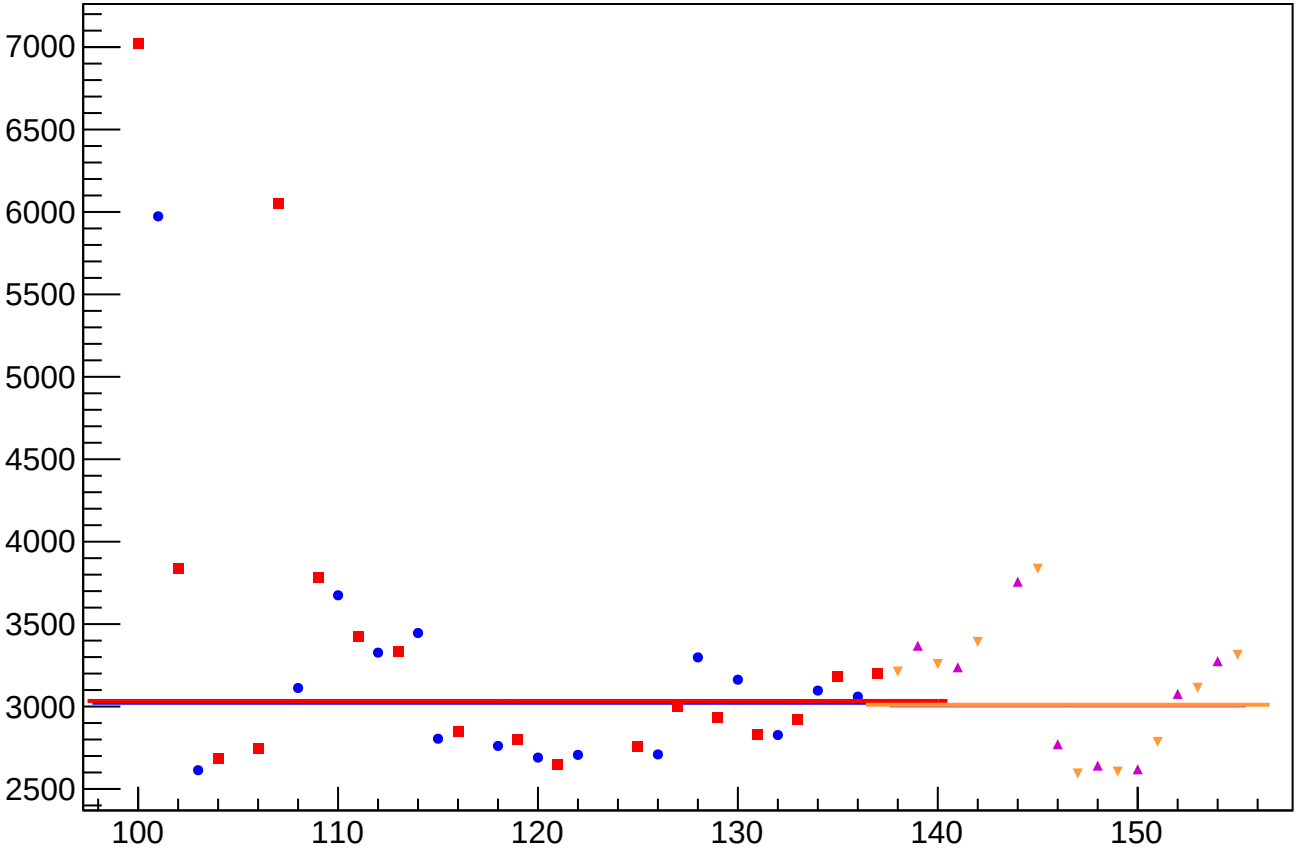
Left In: -3958.817+/-1144.679 χ^2/NDF:10.5/7

+ sign 4070.436+/-808.994 χ^2/NDF: 23.9/24

All: -34.780+/-572.175 χ^2/NDF: 105.9/50

- sign -4143.731+/-809.362 χ^2/NDF: 30.5/25

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3010.822+/-0.810 χ^2/NDF:210711.8/8

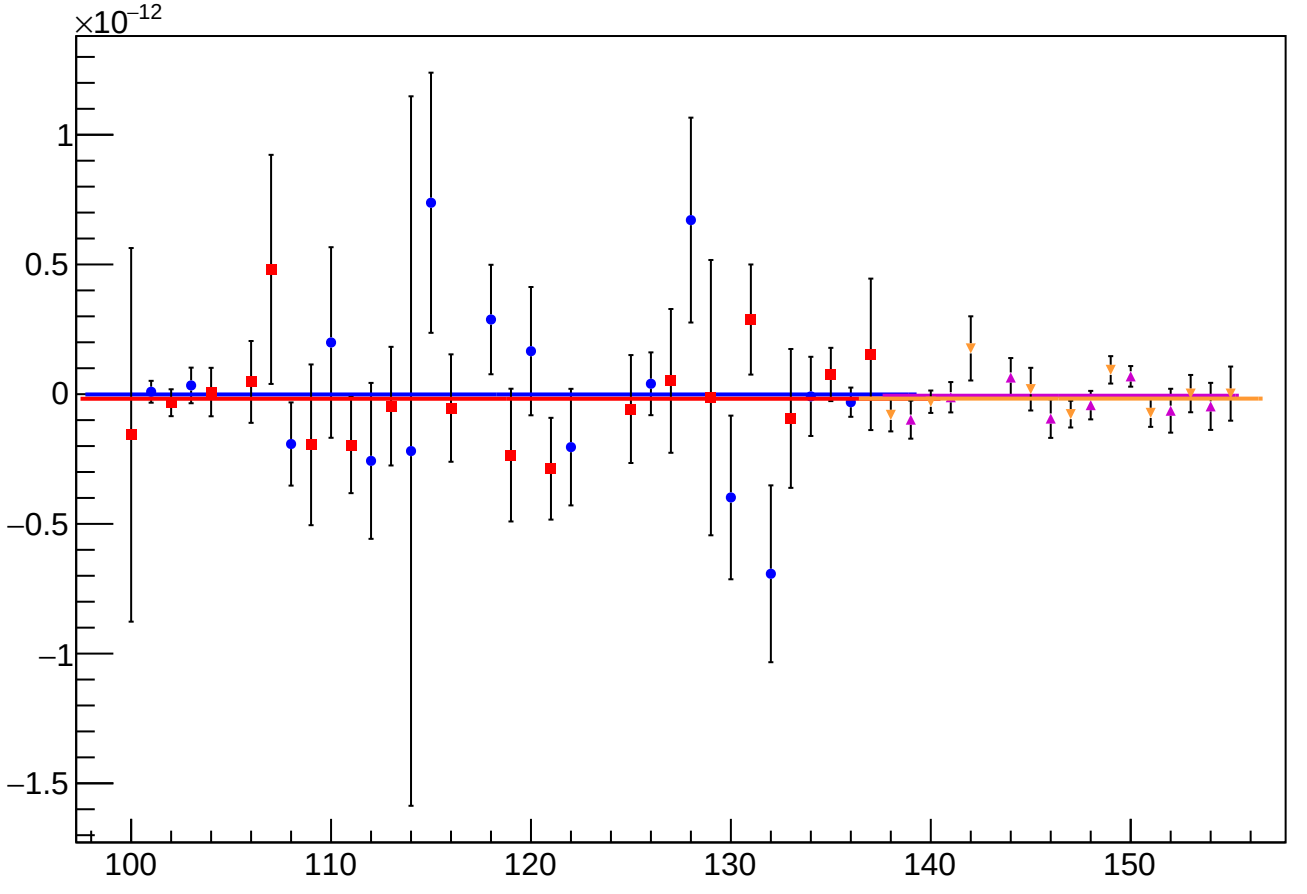
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3006.964+/-0.809 χ^2/NDF:196726.0/7

\+ sign 3016.962+/-0.572 χ^2/NDF: 654532.2/24

All: 3018.689+/-0.405 χ^2/NDF: 1194503.7/50

\- sign 3020.418+/-0.572 χ^2/NDF: 539953.2/25



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/8

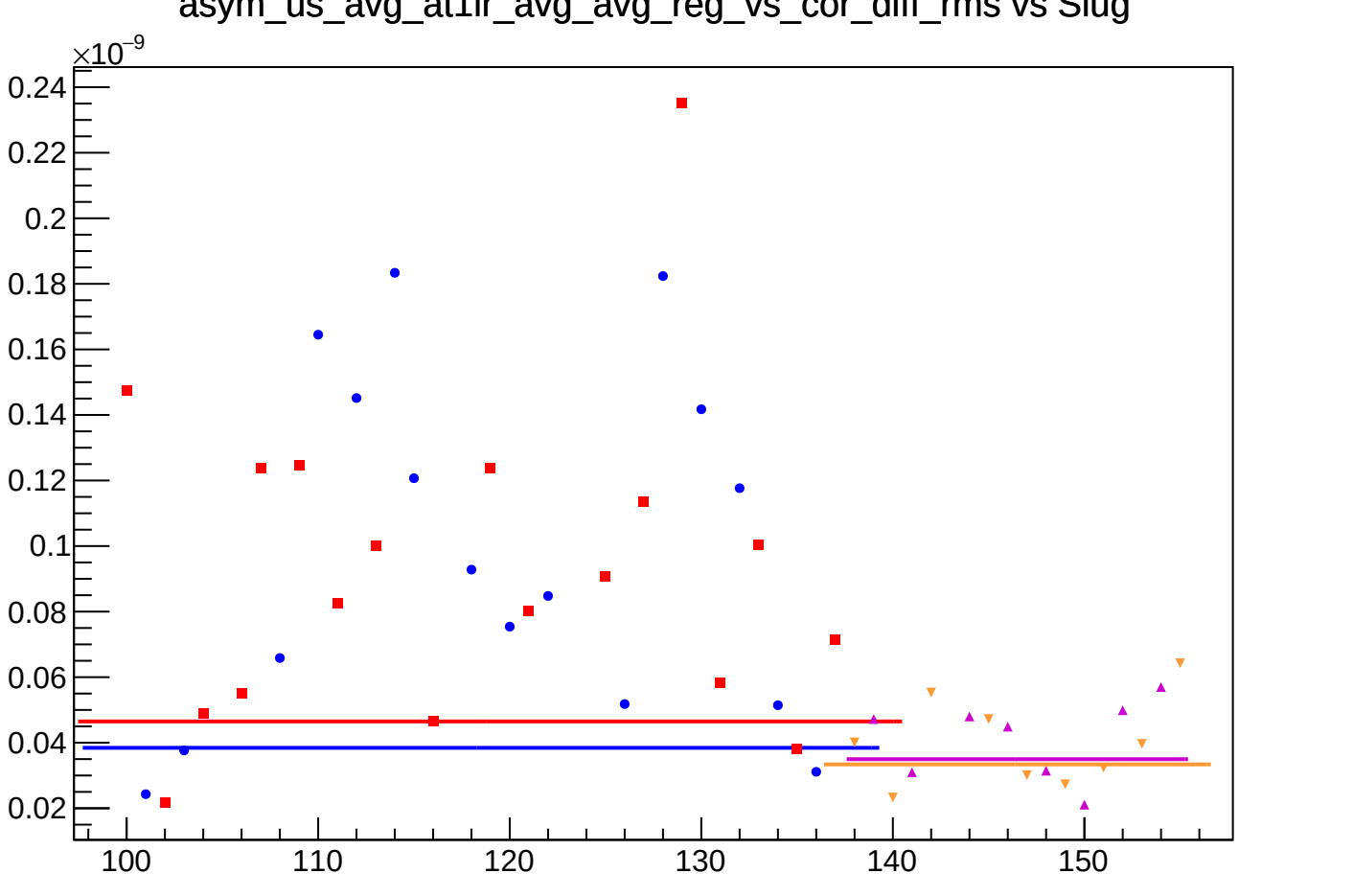
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

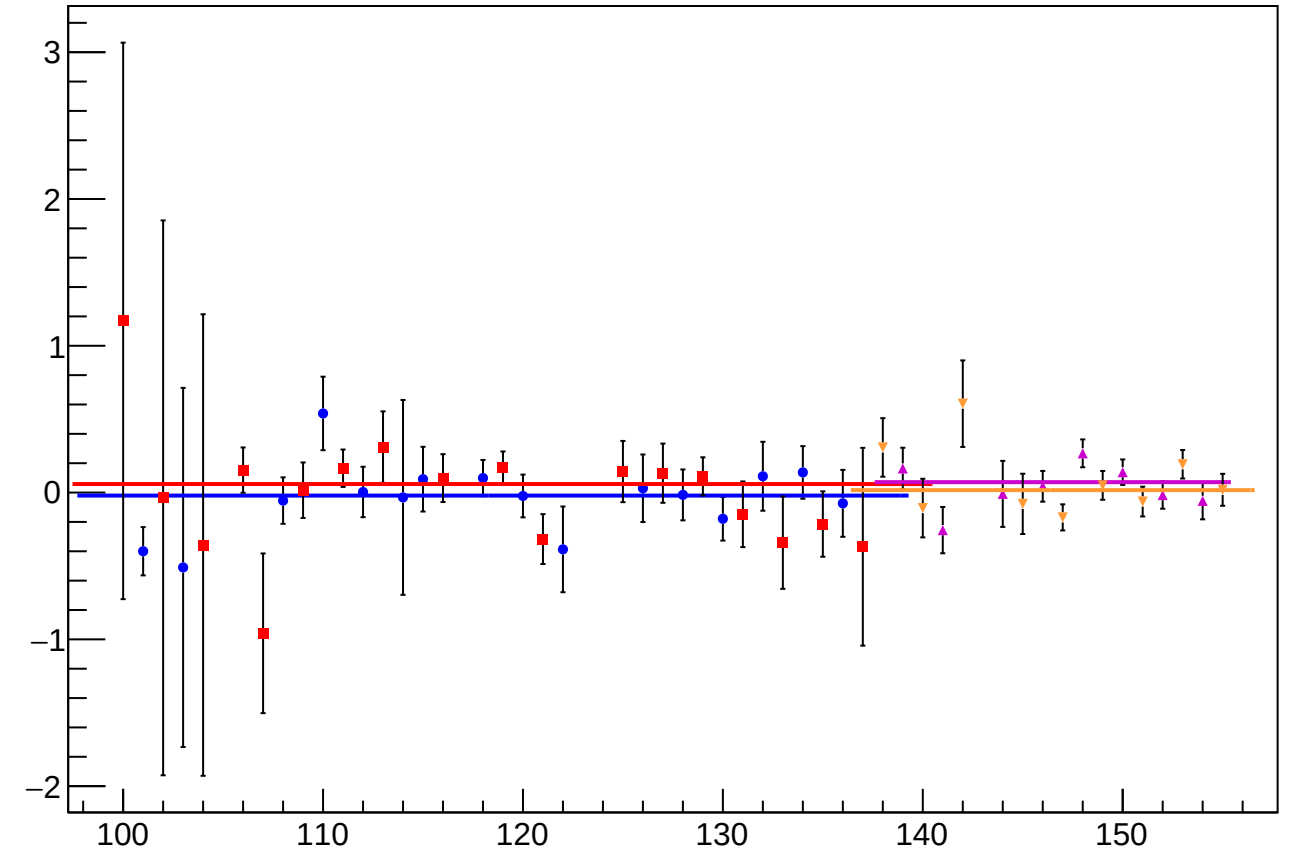
Left In: -0.000+/-0.000 χ^2/NDF:8.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/24

All: -0.000+/-0.000 χ^2/NDF: 45.5/50

- sign -0.000+/-0.000 χ^2/NDF: 17.6/25


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
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:476780.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:593241.1/7
+ sign 0.000+/-0.000 χ²/NDF: 2292078.3/24
All: 0.000+/-0.000 χ²/NDF: 4771733.8/50
- sign 0.000+/-0.000 χ²/NDF: 2448682.8/25



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.017+/-0.041 χ^2/NDF:15.0/8

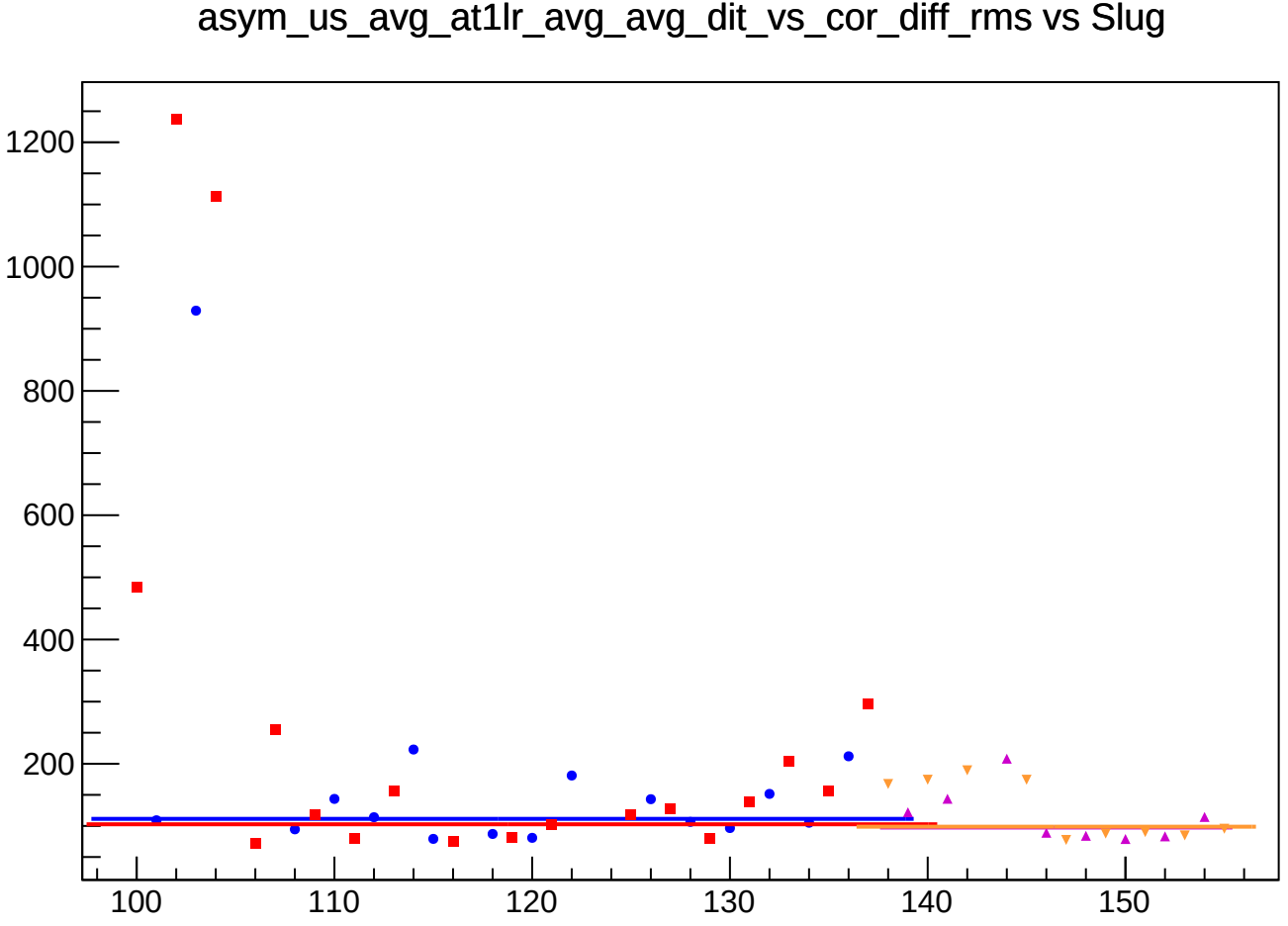
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.071+/-0.040 χ^2/NDF:11.7/7

+ sign 0.001+/-0.031 χ^2/NDF: 31.0/24

All: 0.034+/-0.022 χ^2/NDF: 61.9/50

- sign 0.065+/-0.030 χ^2/NDF: 28.6/25



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 98.791+/-0.029 χ^2/NDF:1182898.6/8

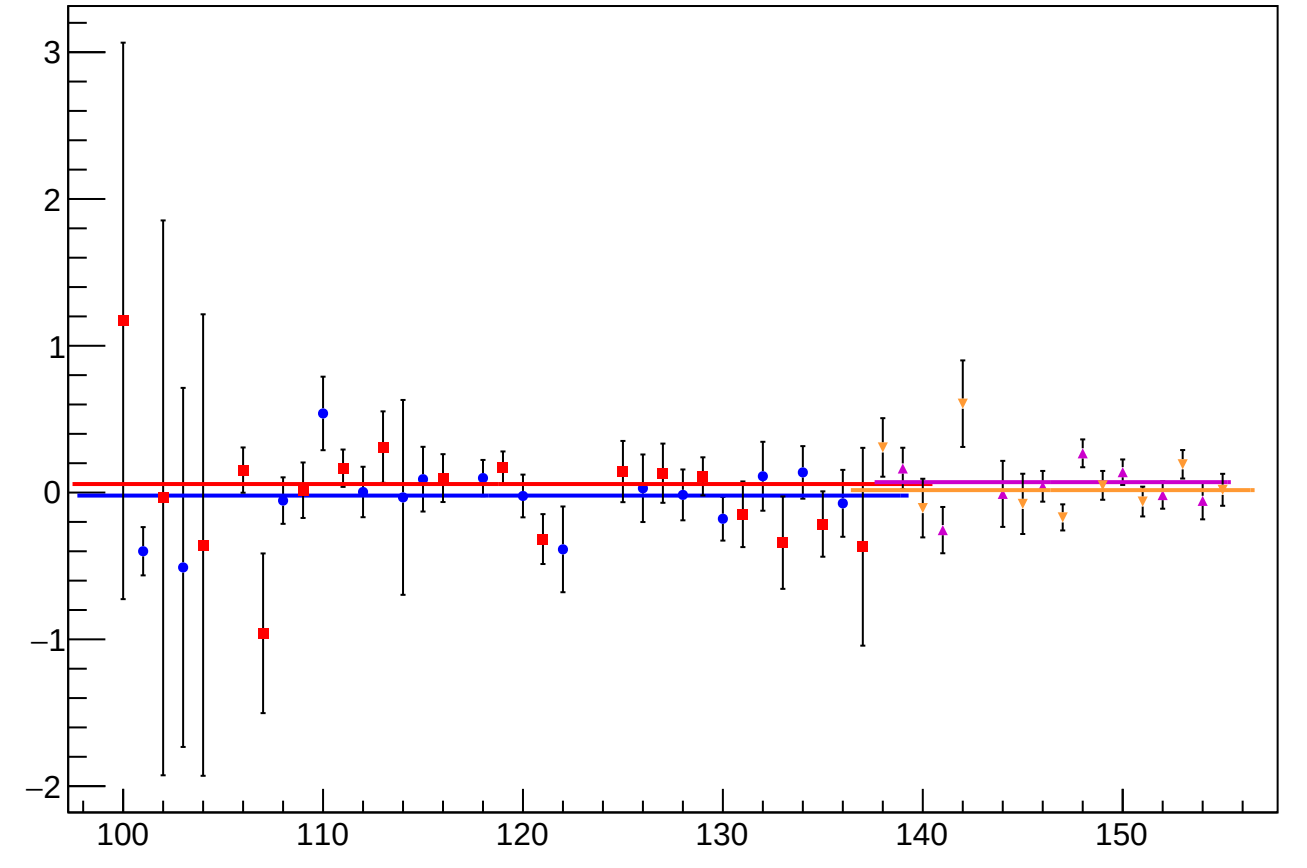
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.506+/-0.028 χ^2/NDF:944159.8/7

+ sign 104.117+/-0.022 χ^2/NDF: 3103340.8/24

All: 101.868+/-0.015 χ^2/NDF: 6909263.2/50

- sign 99.711+/-0.021 χ^2/NDF: 3785227.9/25



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.017+/-0.041 χ^2/NDF:15.0/8

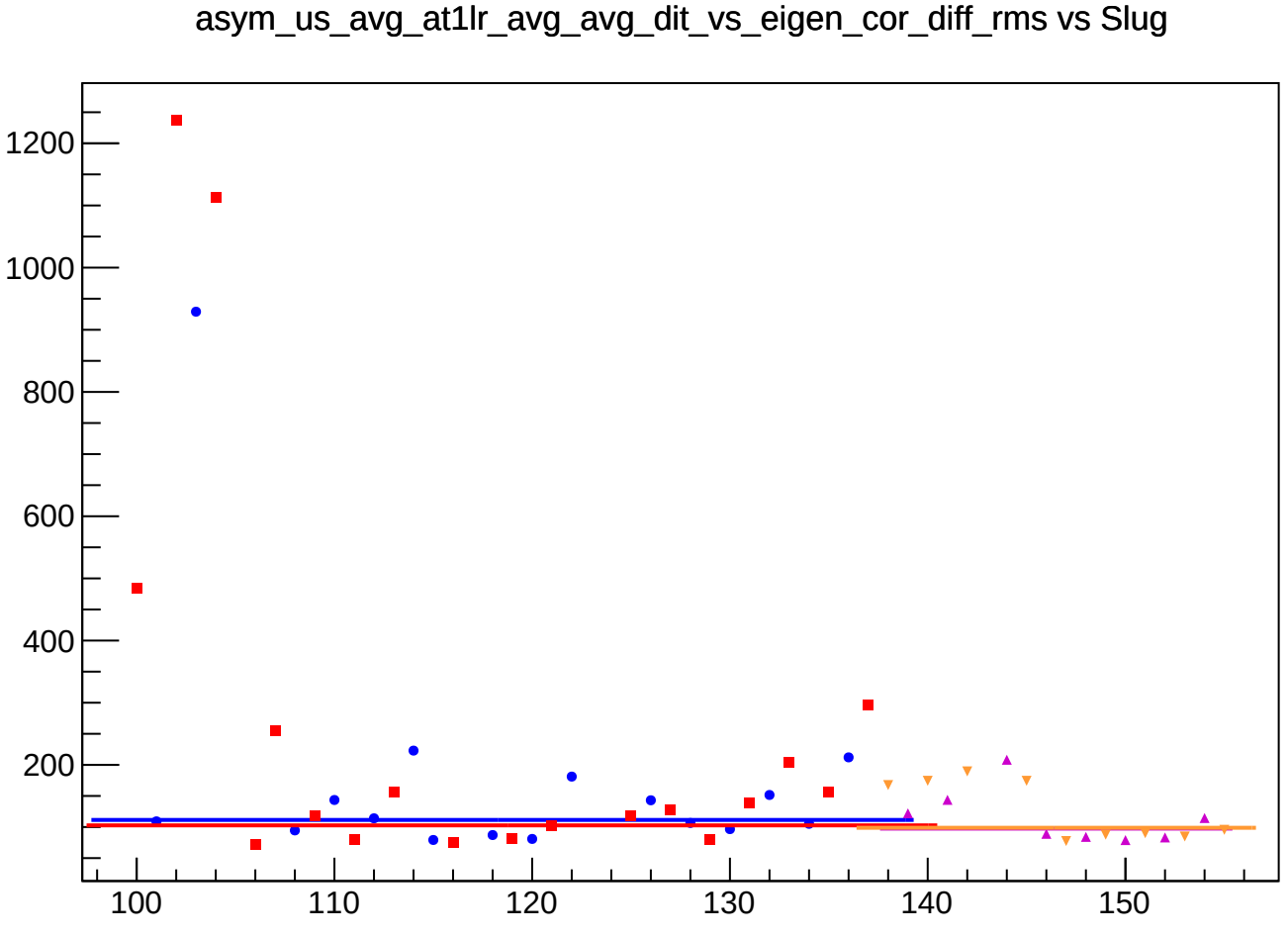
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.071+/-0.040 χ^2/NDF:11.7/7

+ sign 0.001+/-0.031 χ^2/NDF: 31.0/24

All: 0.034+/-0.022 χ^2/NDF: 61.9/50

- sign 0.065+/-0.030 χ^2/NDF: 28.6/25



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 98.791+/-0.029 χ^2/NDF:1182898.6/8

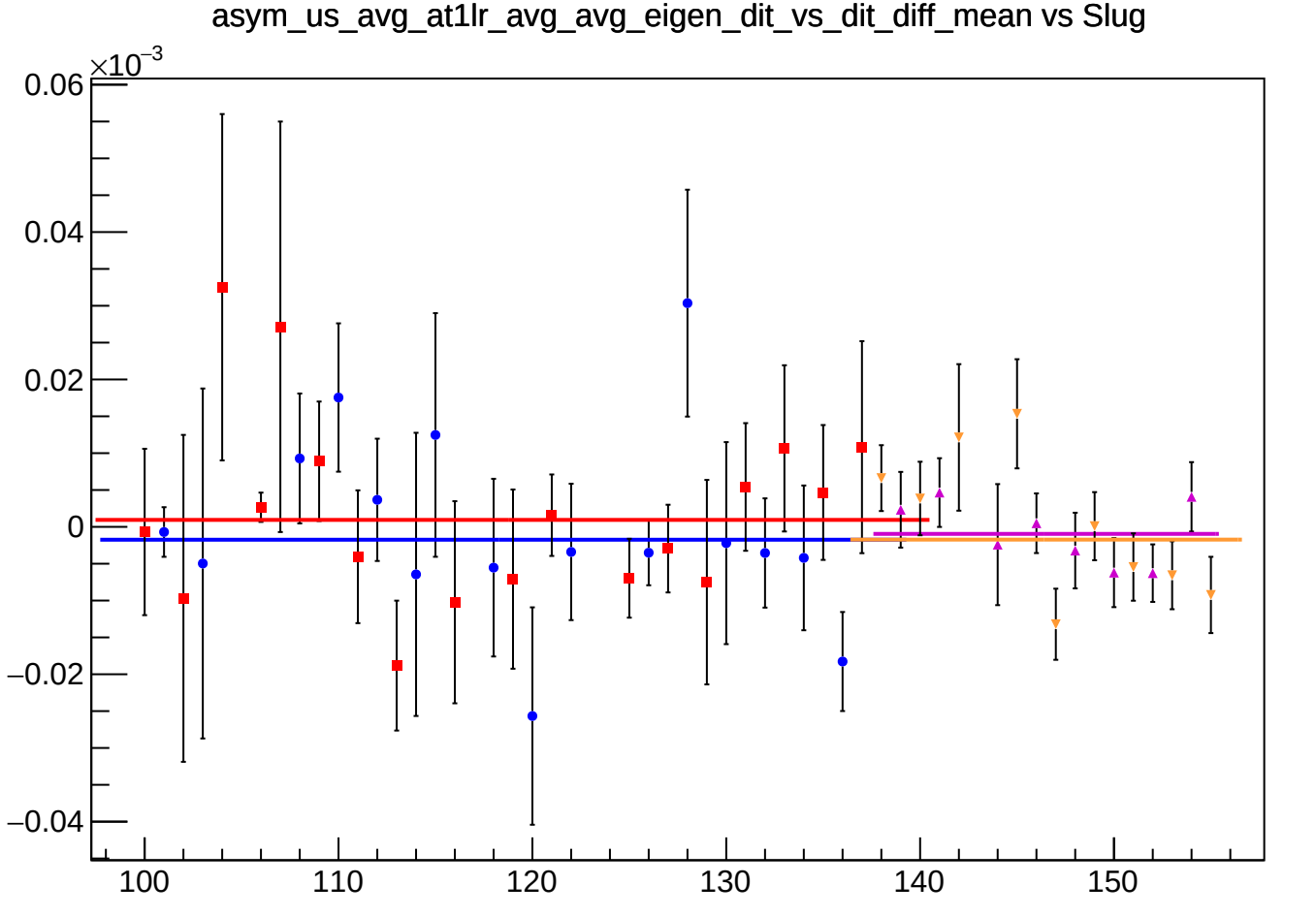
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

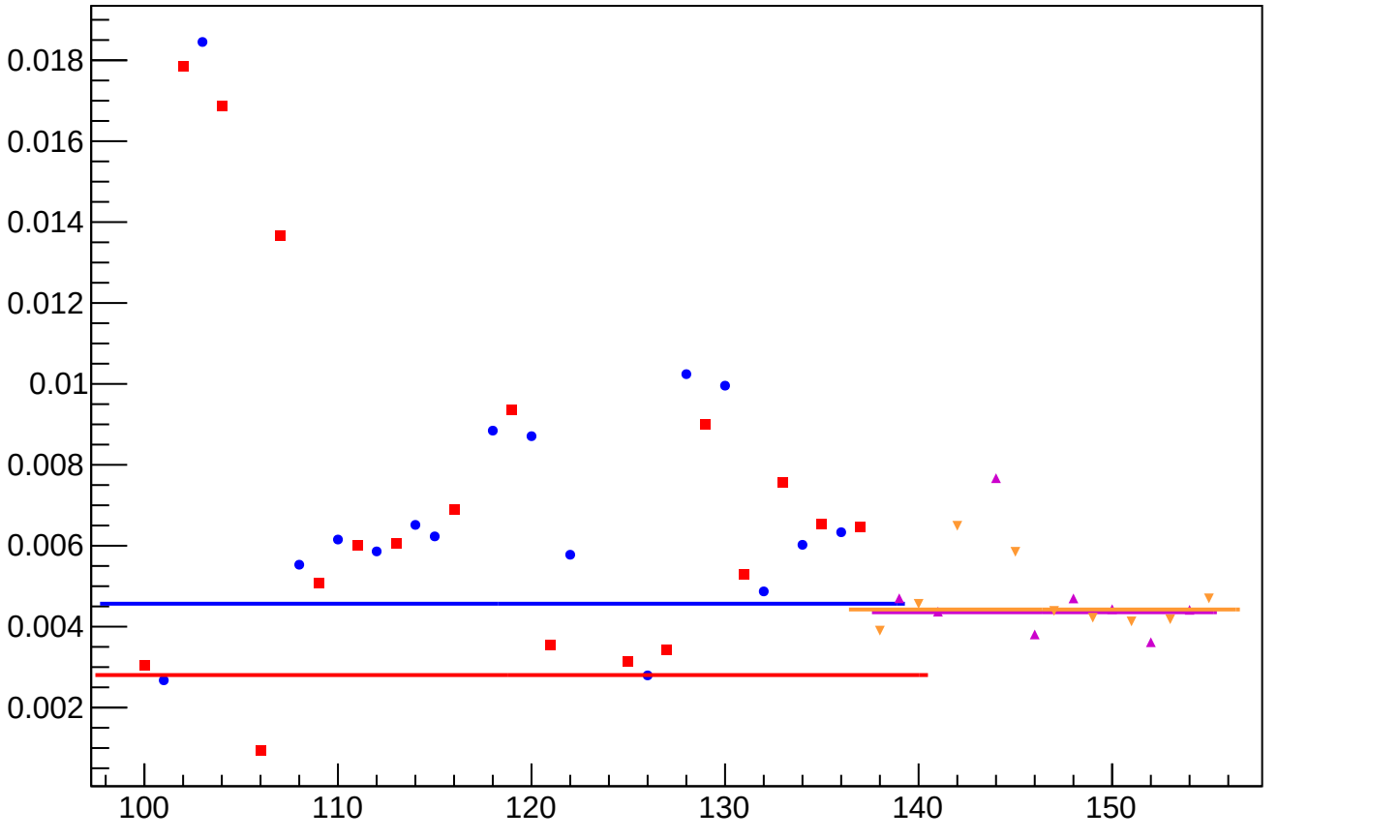
Left In: 97.506+/-0.028 χ^2/NDF:944159.8/7

+ sign 104.117+/-0.022 χ^2/NDF: 3103340.8/24

All: 101.868+/-0.015 χ^2/NDF: 6909263.2/50

- sign 99.711+/-0.021 χ^2/NDF: 3785227.9/25


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
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:21.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:6.5/7
+ sign -0.000+/-0.000 χ²/NDF: 41.7/24
All: -0.000+/-0.000 χ²/NDF: 65.8/50
- sign 0.000+/-0.000 χ²/NDF: 22.9/25



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:213059.4/8

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

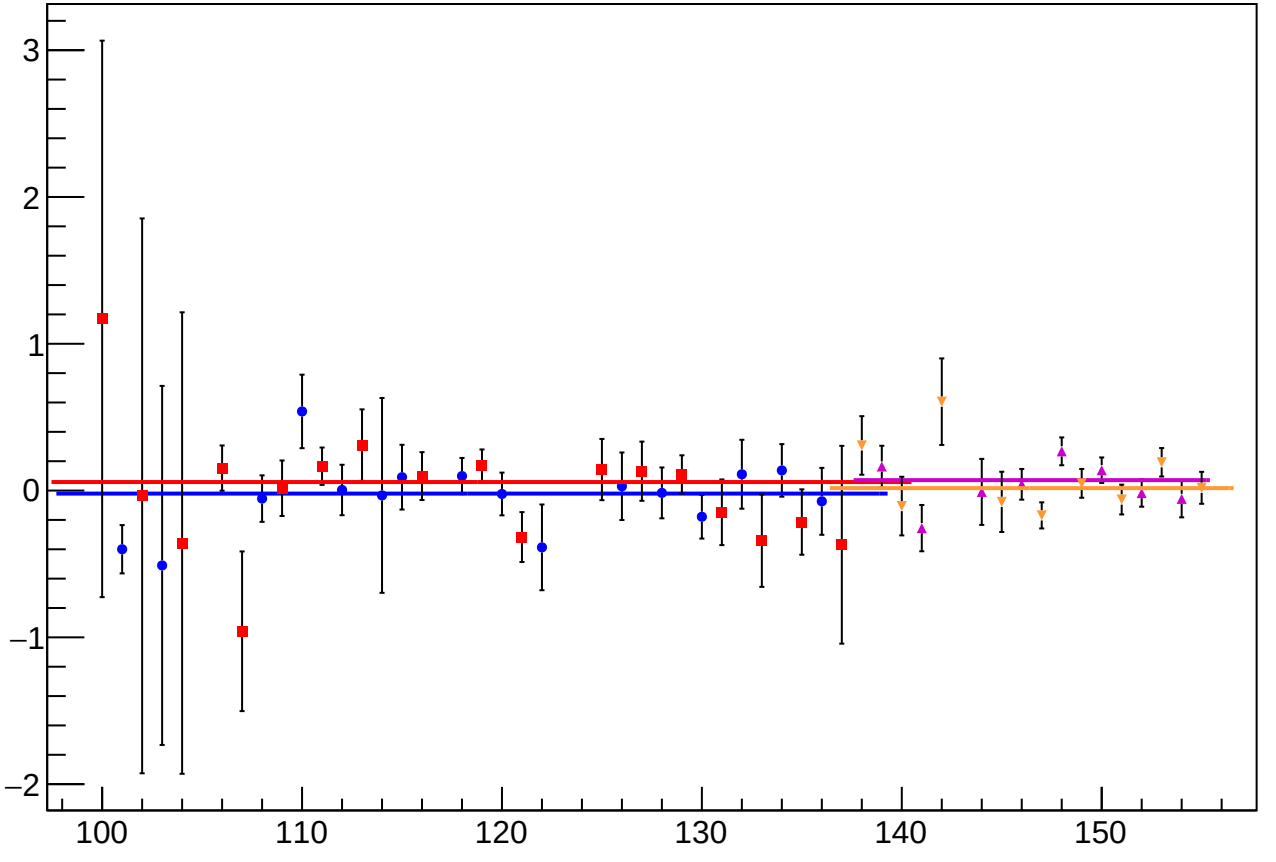
Left In: 0.004+/-0.000 χ^2/NDF:453167.8/7

+ sign 0.004+/-0.000 χ^2/NDF: 3231419.7/24

All: 0.004+/-0.000 χ^2/NDF: 11962345.4/50

- sign 0.003+/-0.000 χ^2/NDF: 8026108.1/25

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.017+/-0.041 χ^2/NDF:15.1/8

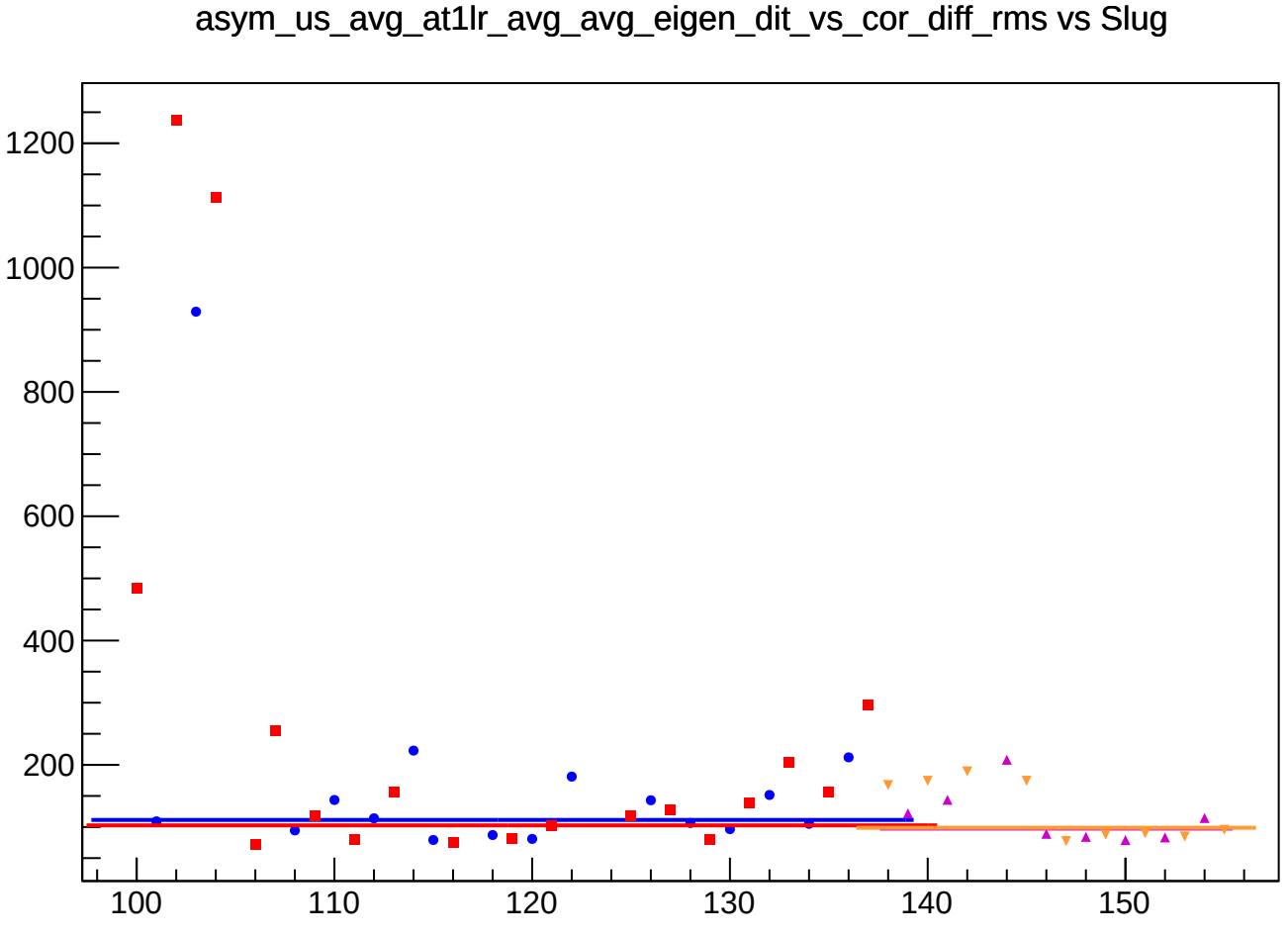
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.071+/-0.040 χ^2/NDF:11.7/7

+ sign 0.001+/-0.031 χ^2/NDF: 31.0/24

All: 0.034+/-0.022 χ^2/NDF: 61.9/50

- sign 0.065+/-0.030 χ^2/NDF: 28.6/25



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 98.792+/-0.029 χ^2/NDF:1182880.2/8

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

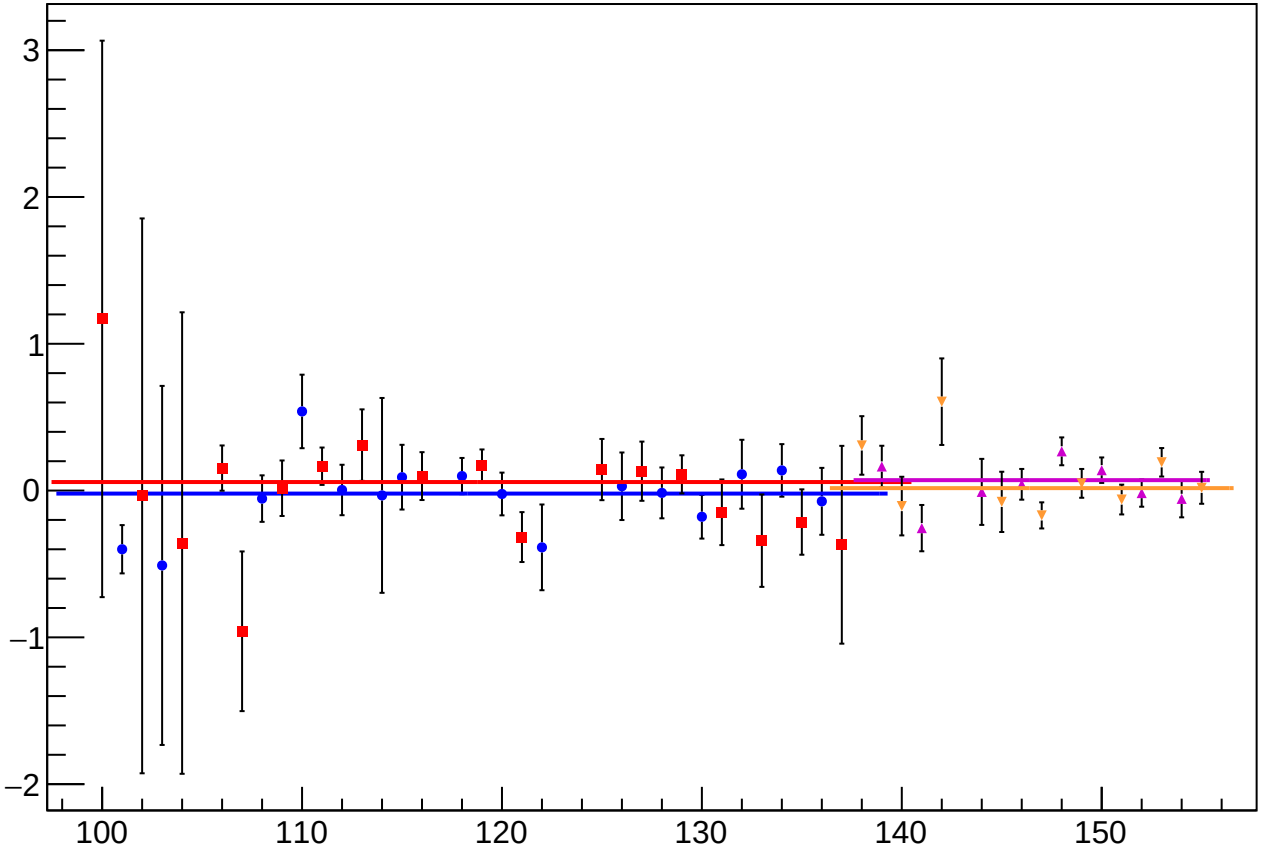
Left In: 97.507+/-0.028 χ^2/NDF:944148.6/7

+ sign 104.116+/-0.022 χ^2/NDF: 3103332.8/24

All: 101.867+/-0.015 χ^2/NDF: 6909226.0/50

- sign 99.710+/-0.021 χ^2/NDF: 3785202.2/25

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.017+/-0.041 χ^2/NDF:15.1/8

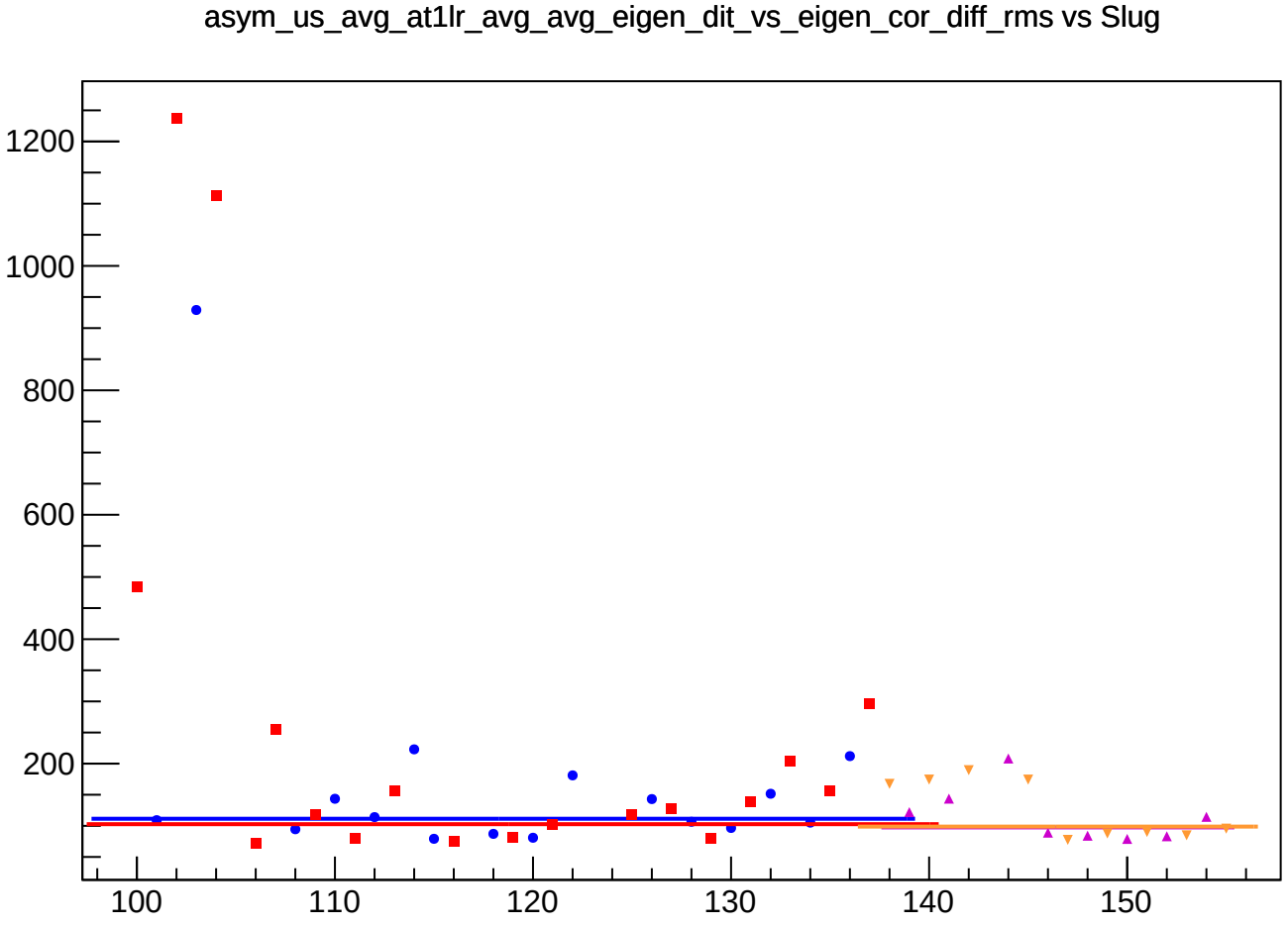
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.071+/-0.040 χ^2/NDF:11.7/7

+ sign 0.001+/-0.031 χ^2/NDF: 31.0/24

All: 0.034+/-0.022 χ^2/NDF: 61.9/50

- sign 0.065+/-0.030 χ^2/NDF: 28.6/25



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 98.792+/-0.029 χ^2/NDF:1182880.2/8

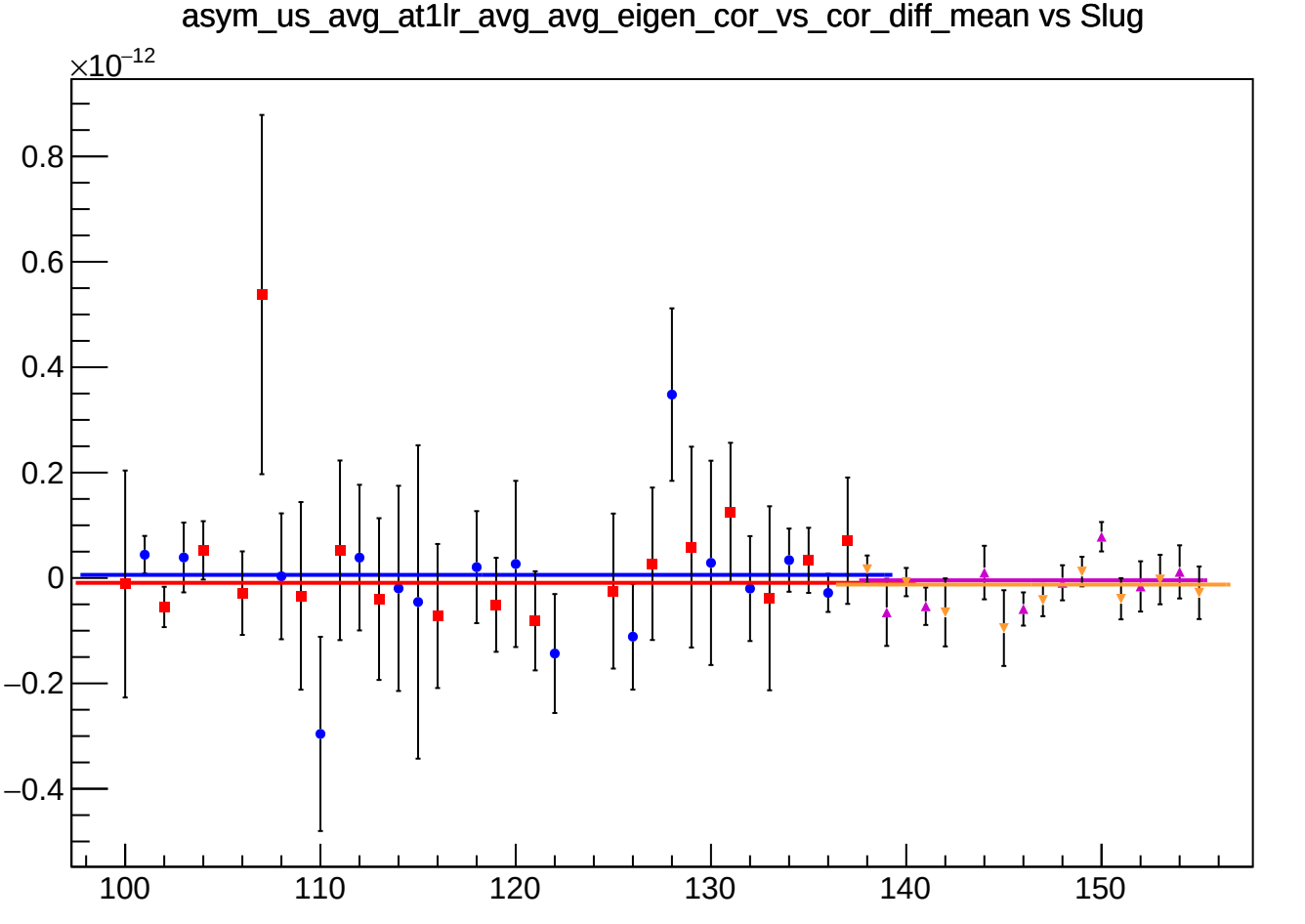
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.507+/-0.028 χ^2/NDF:944148.6/7

+ sign 104.116+/-0.022 χ^2/NDF: 3103332.8/24

All: 101.867+/-0.015 χ^2/NDF: 6909226.0/50

- sign 99.710+/-0.021 χ^2/NDF: 3785202.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/8

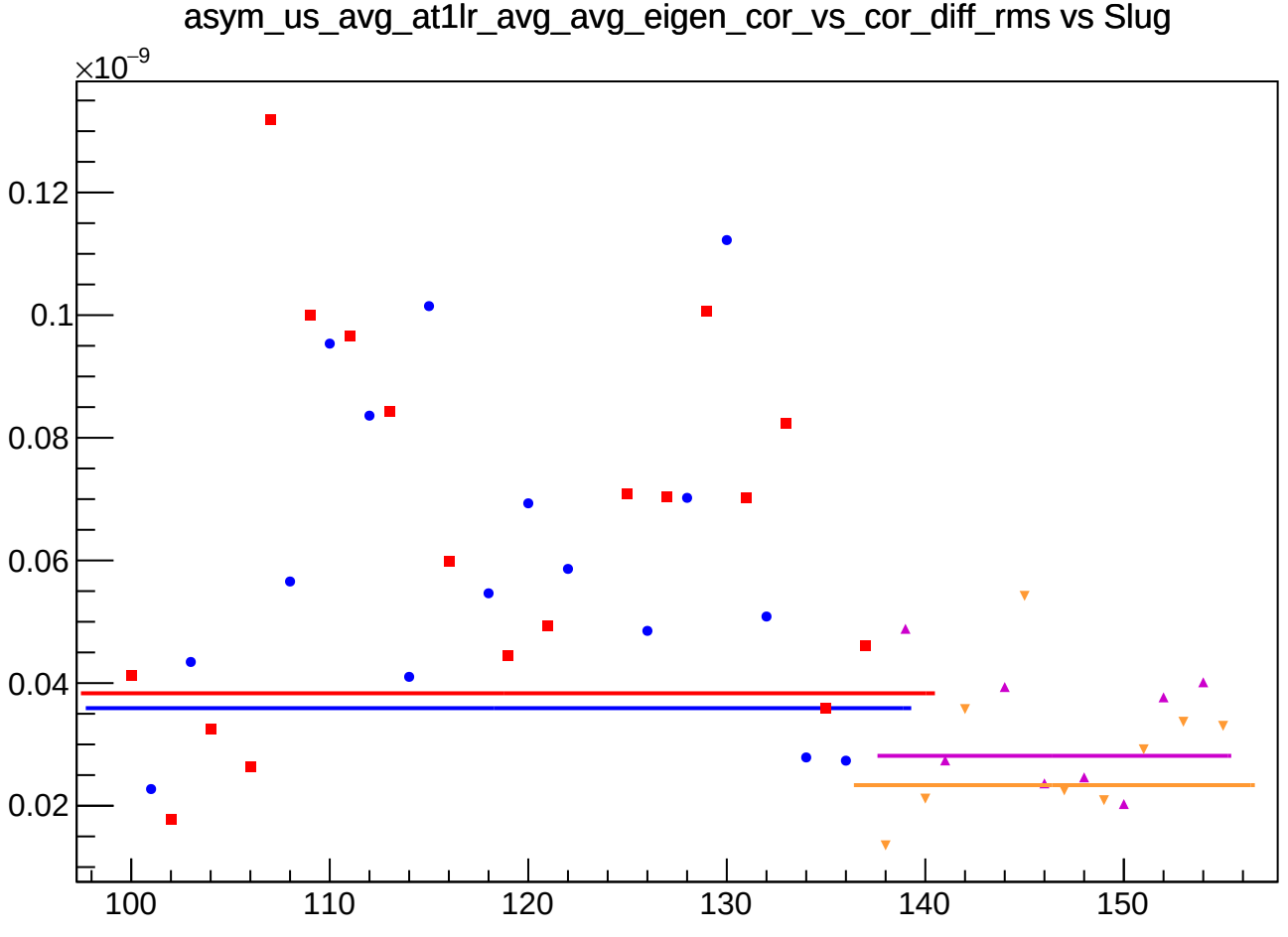
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:14.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 19.1/24

All: -0.000+/-0.000 χ^2/NDF: 42.7/50

- sign -0.000+/-0.000 χ^2/NDF: 23.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:969416.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

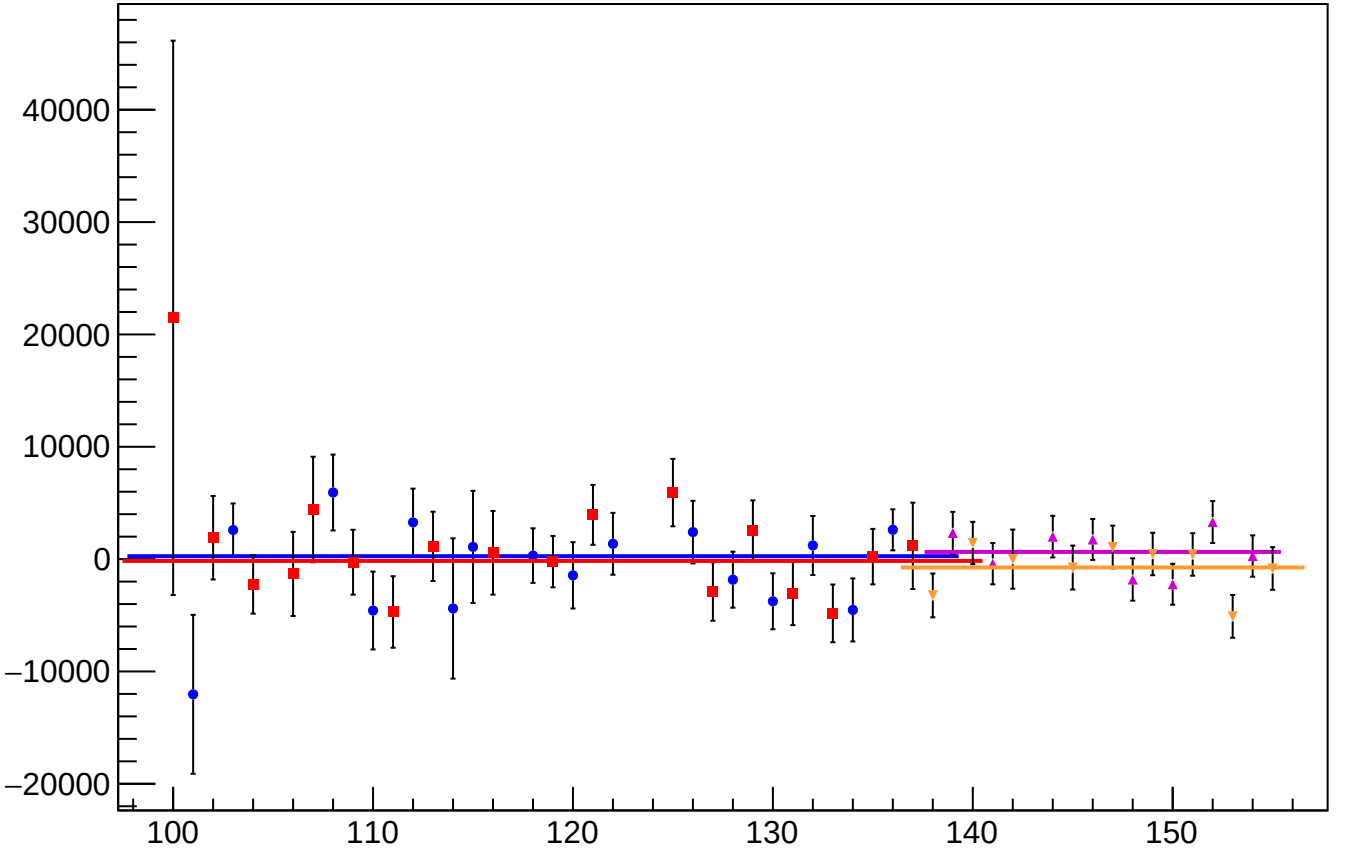
Left In: 0.000+/-0.000 χ^2/NDF:724254.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 3348473.1/24

All: 0.000+/-0.000 χ^2/NDF: 6745001.6/50

- sign 0.000+/-0.000 χ^2/NDF: 3246219.3/25

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -743.228+/-653.552 χ^2/NDF:10.0/8

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

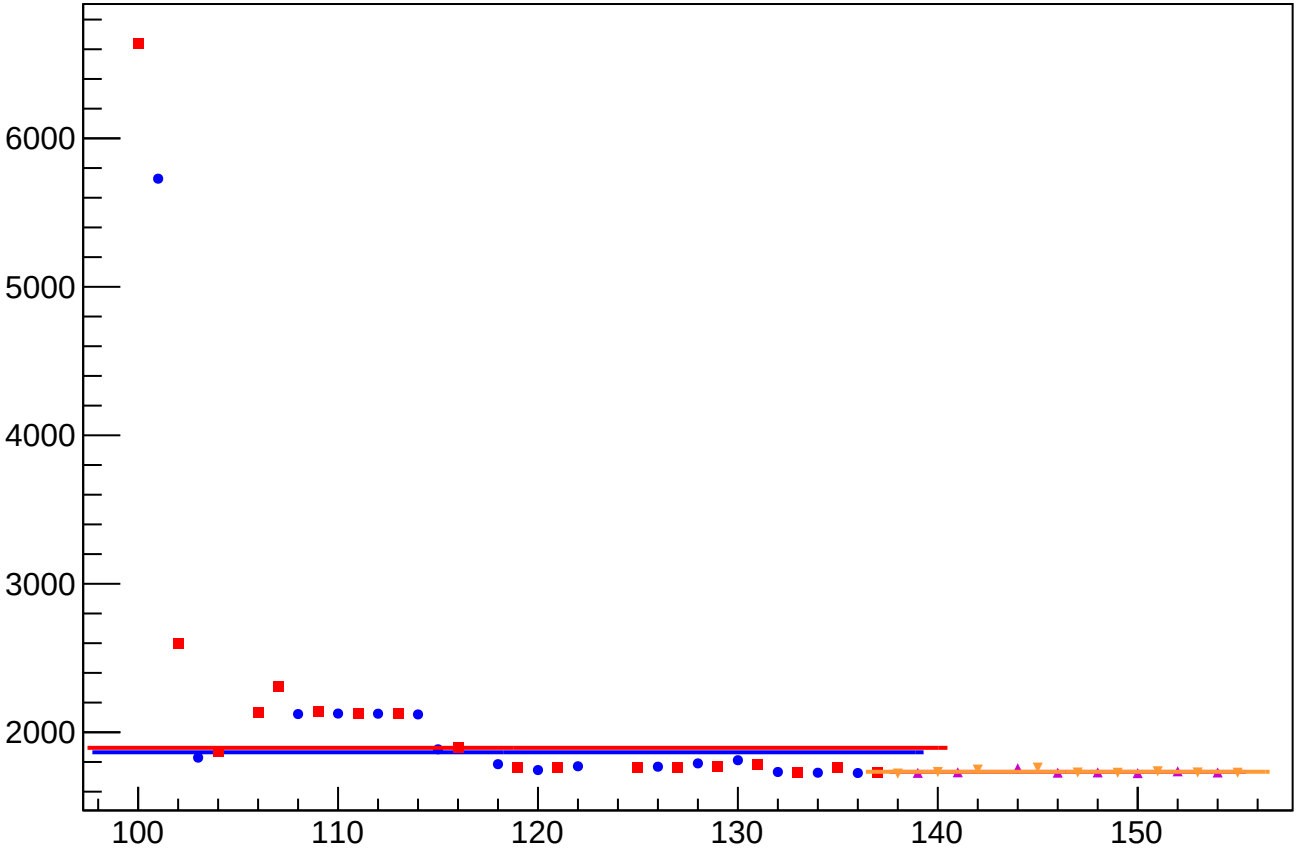
Left In: 640.213+/-654.076 χ^2/NDF:8.3/7

\+ sign -283.092+/-480.757 χ^2/NDF: 30.5/24

All: -4.907+/-340.307 χ^2/NDF: 58.2/50

\- sign 274.458+/-481.777 χ^2/NDF: 27.1/25

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.014+/-0.462 χ^2/NDF:629.9/8

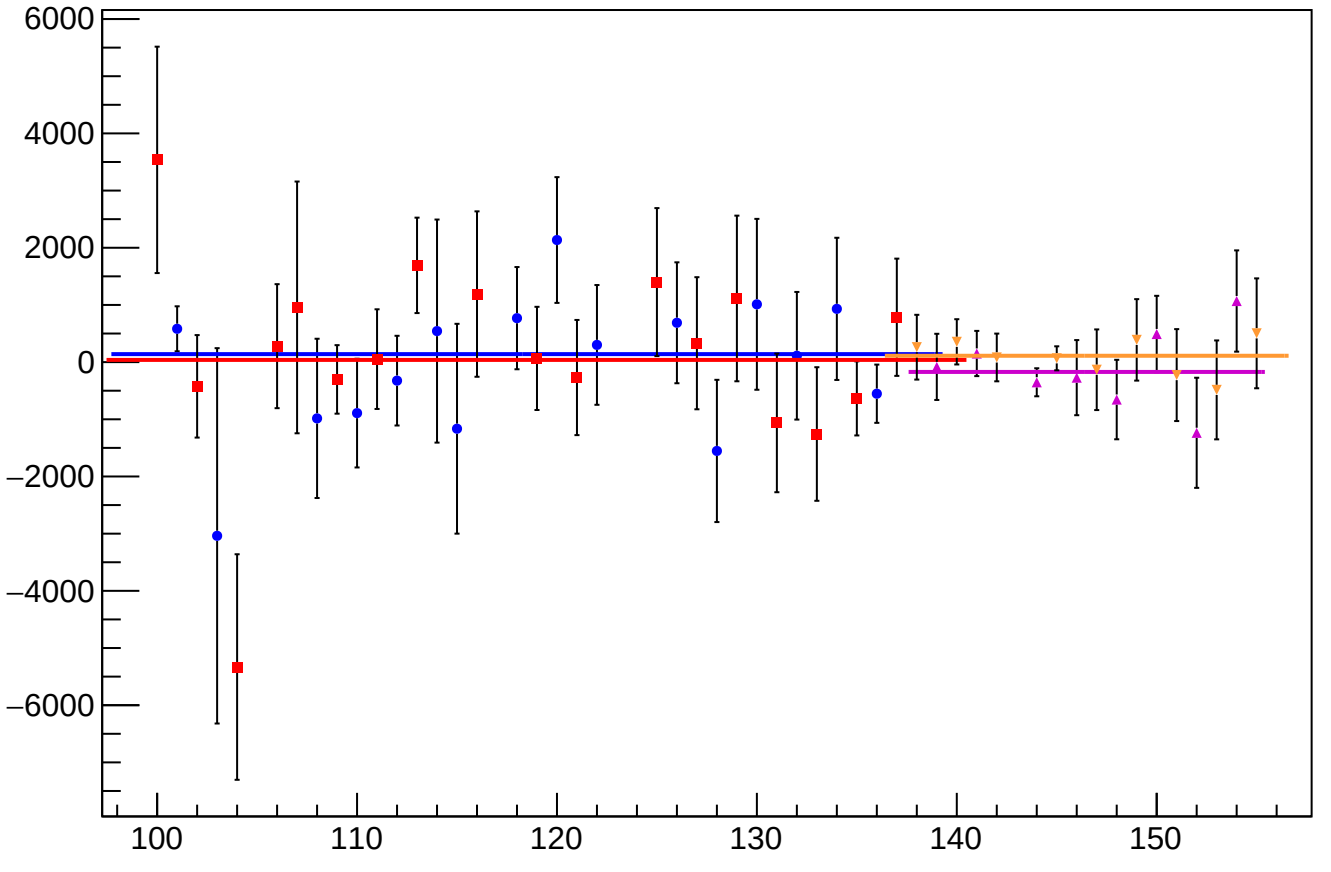
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.145+/-0.463 χ^2/NDF:464.6/7

+ sign 1794.199+/-0.340 χ^2/NDF: 710316.5/24

All: 1800.736+/-0.241 χ^2/NDF: 1018526.0/50

- sign 1807.301+/-0.341 χ^2/NDF: 307468.5/25



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 111.175+/-147.615 χ^2/NDF:1.6/8

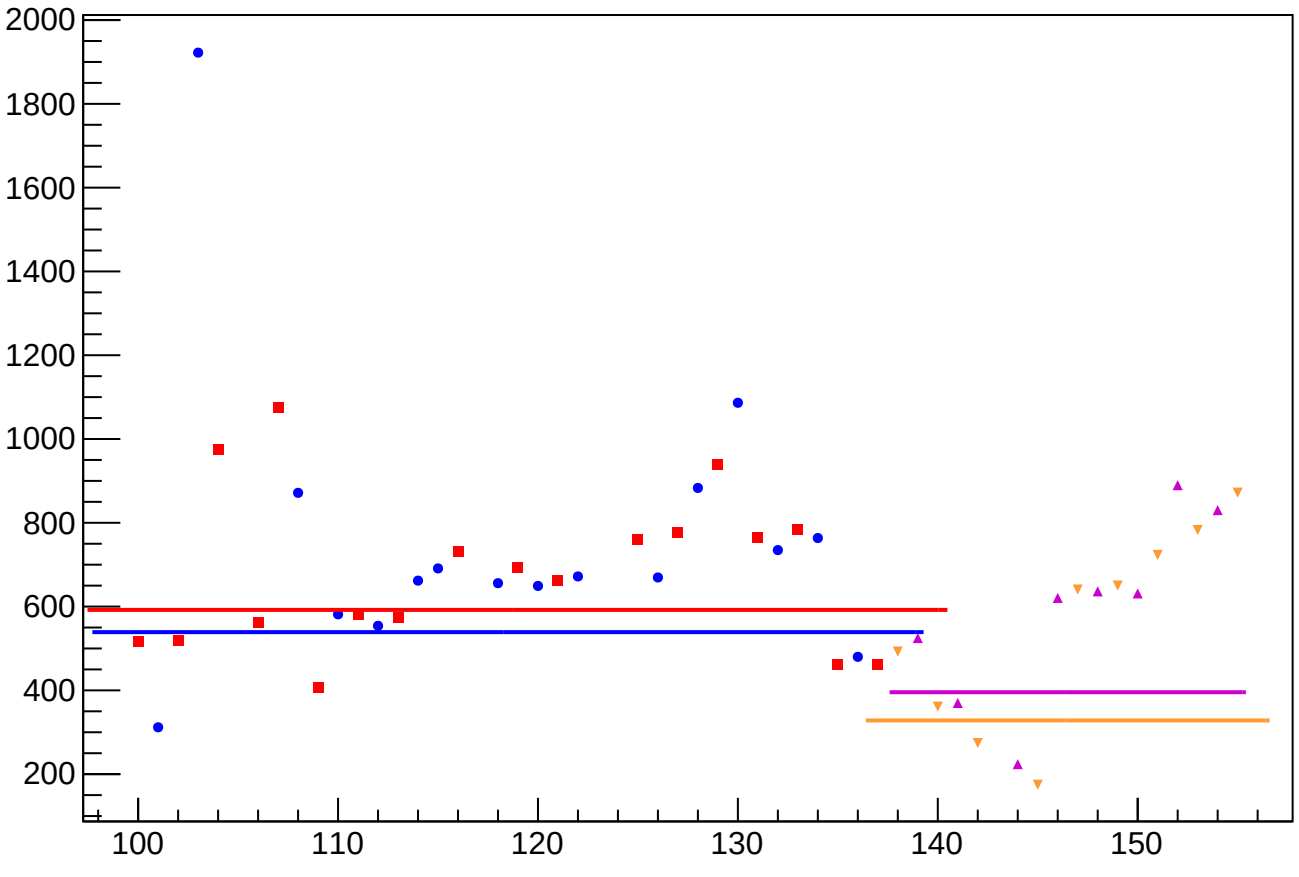
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -171.650+/-168.972 χ^2/NDF:5.9/7

+ sign 120.056+/-122.596 χ^2/NDF: 15.1/24

All: 22.289+/-91.602 χ^2/NDF: 44.3/50

- sign -101.279+/-137.828 χ^2/NDF: 27.8/25



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 328.237+/-0.104 χ^2/NDF:3761954.2/8

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

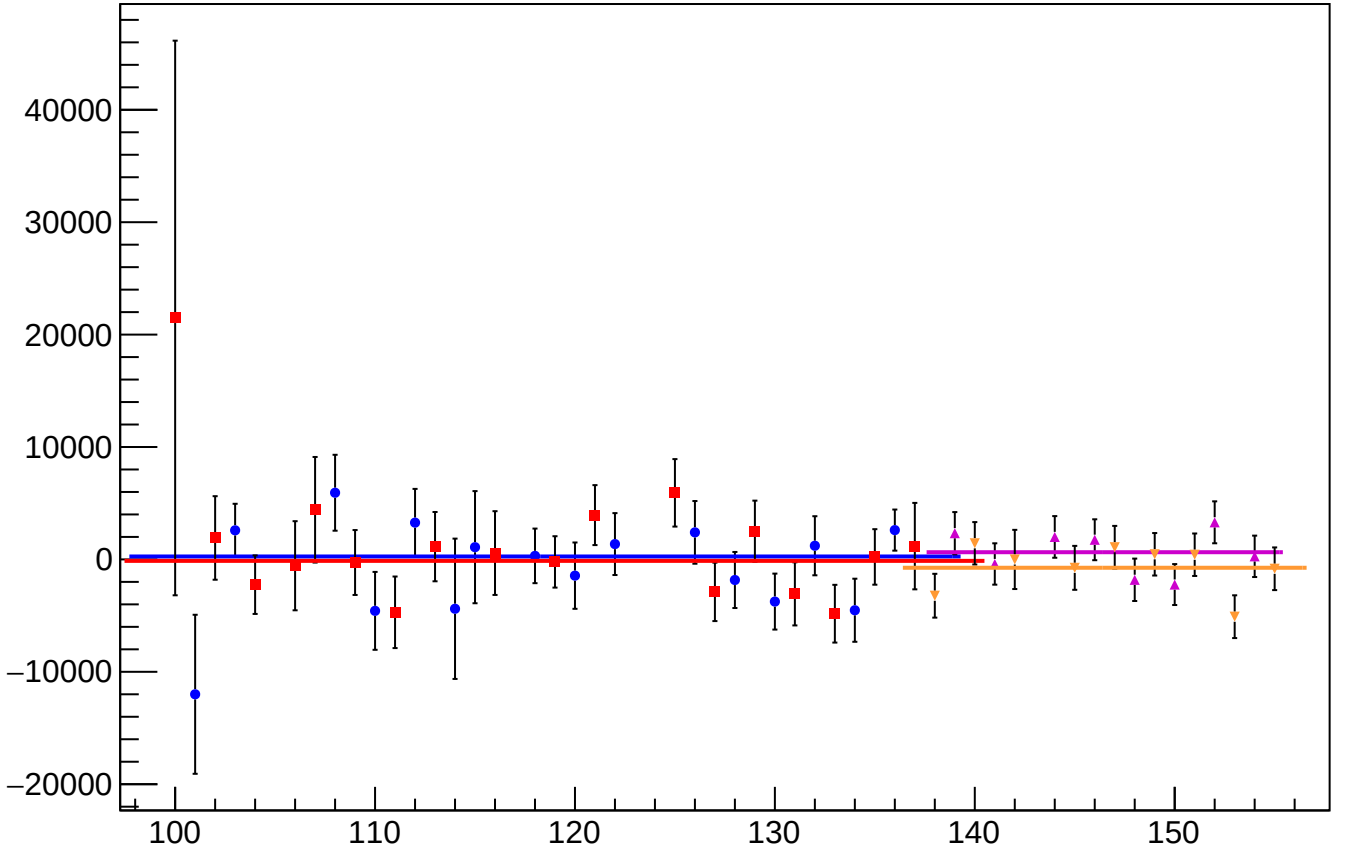
Left In: 395.576+/-0.119 χ^2/NDF:2822972.1/7

+ sign 393.631+/-0.087 χ^2/NDF: 6881664.7/24

All: 423.541+/-0.065 χ^2/NDF: 11722590.6/50

- sign 461.344+/-0.097 χ^2/NDF: 4571429.2/25

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -743.157+/-653.552 χ^2/NDF:10.0/8

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

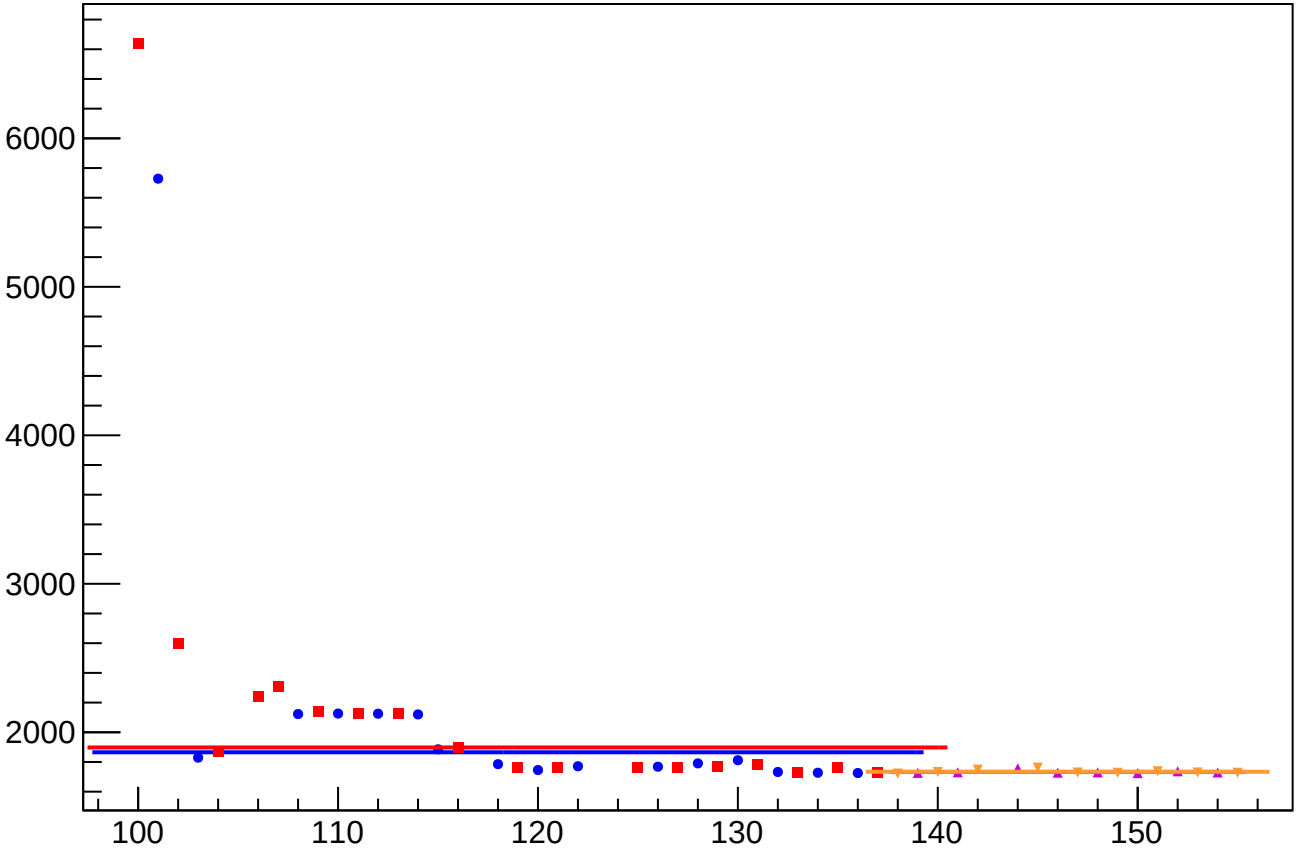
Left In: 640.317+/-654.076 χ^2/NDF:8.3/7

\+ sign -282.967+/-480.757 χ^2/NDF: 30.5/24

All: 1.985+/-340.460 χ^2/NDF: 58.1/50

\- sign 288.665+/-482.212 χ^2/NDF: 26.9/25

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.014+/-0.462 χ^2/NDF:629.9/8

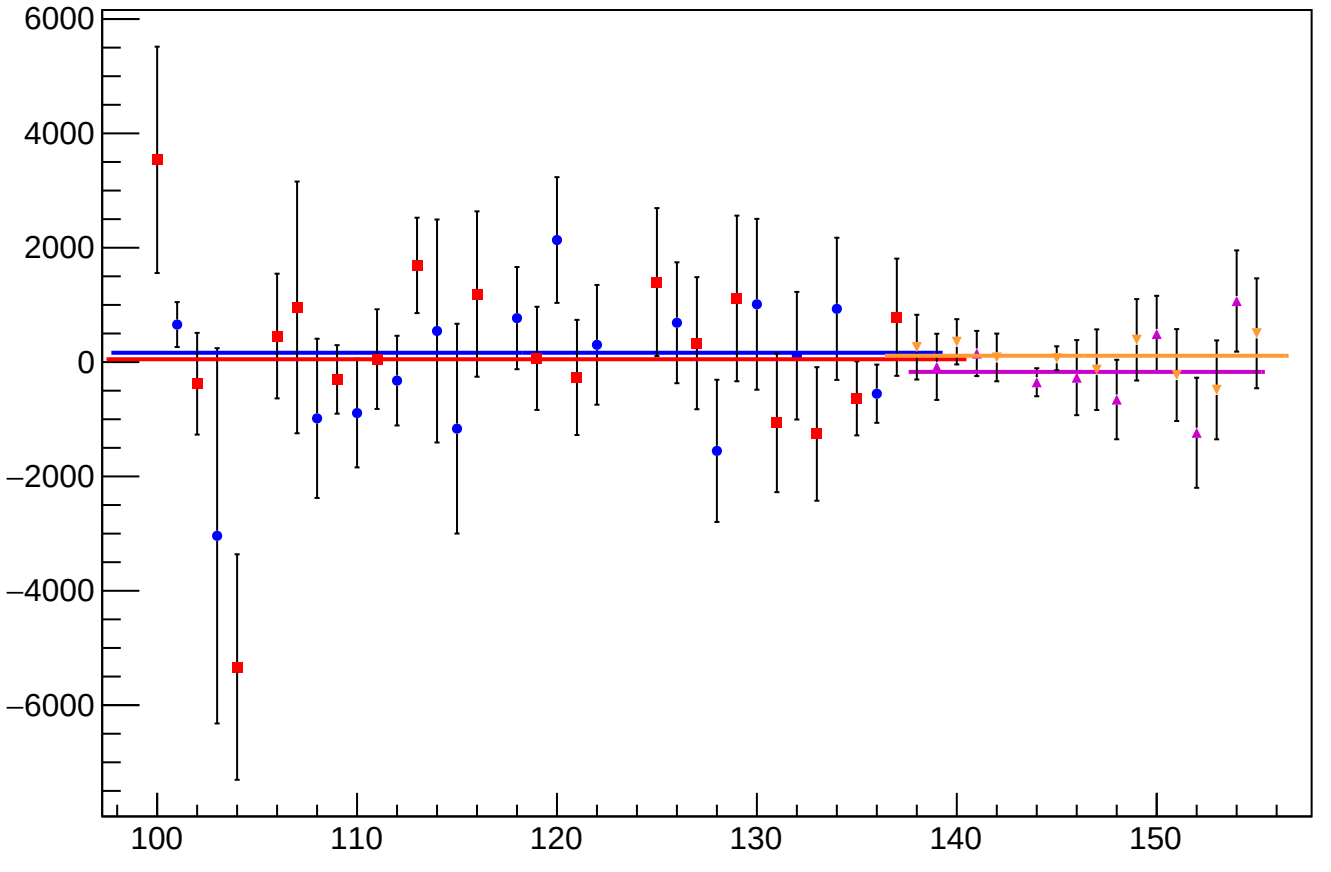
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.145+/-0.463 χ^2/NDF:464.6/7

+ sign 1794.199+/-0.340 χ^2/NDF: 710316.3/24

All: 1801.208+/-0.241 χ^2/NDF: 1027153.8/50

- sign 1808.260+/-0.341 χ^2/NDF: 315984.6/25



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 111.045+/-147.618 χ^2/NDF:1.6/8

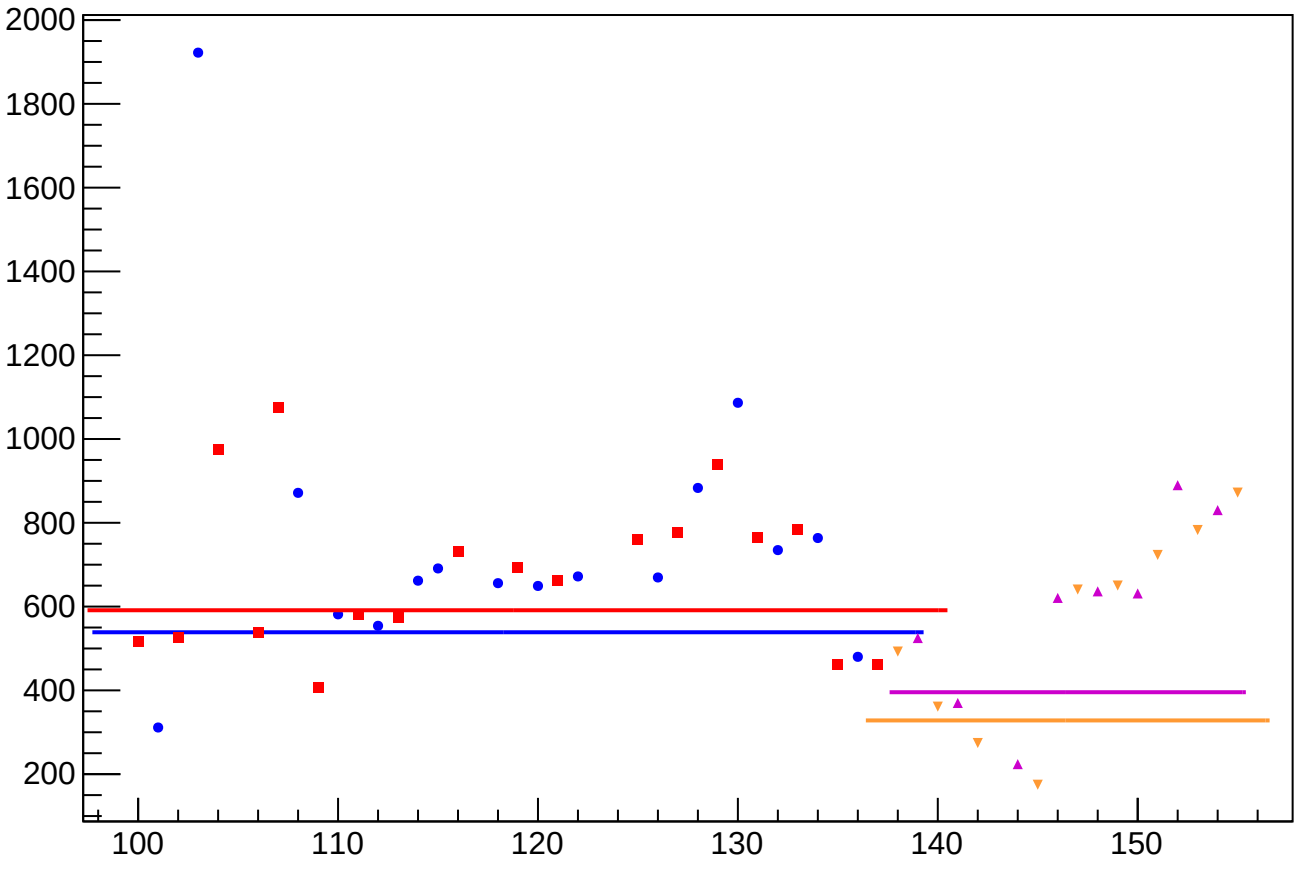
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -171.649+/-168.972 χ^2/NDF:5.9/7

+ sign 127.218+/-122.585 χ^2/NDF: 15.5/24

All: 27.925+/-91.595 χ^2/NDF: 44.9/50

- sign -97.578+/-137.818 χ^2/NDF: 27.9/25



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 328.244+/-0.104 χ^2/NDF:3761905.7/8

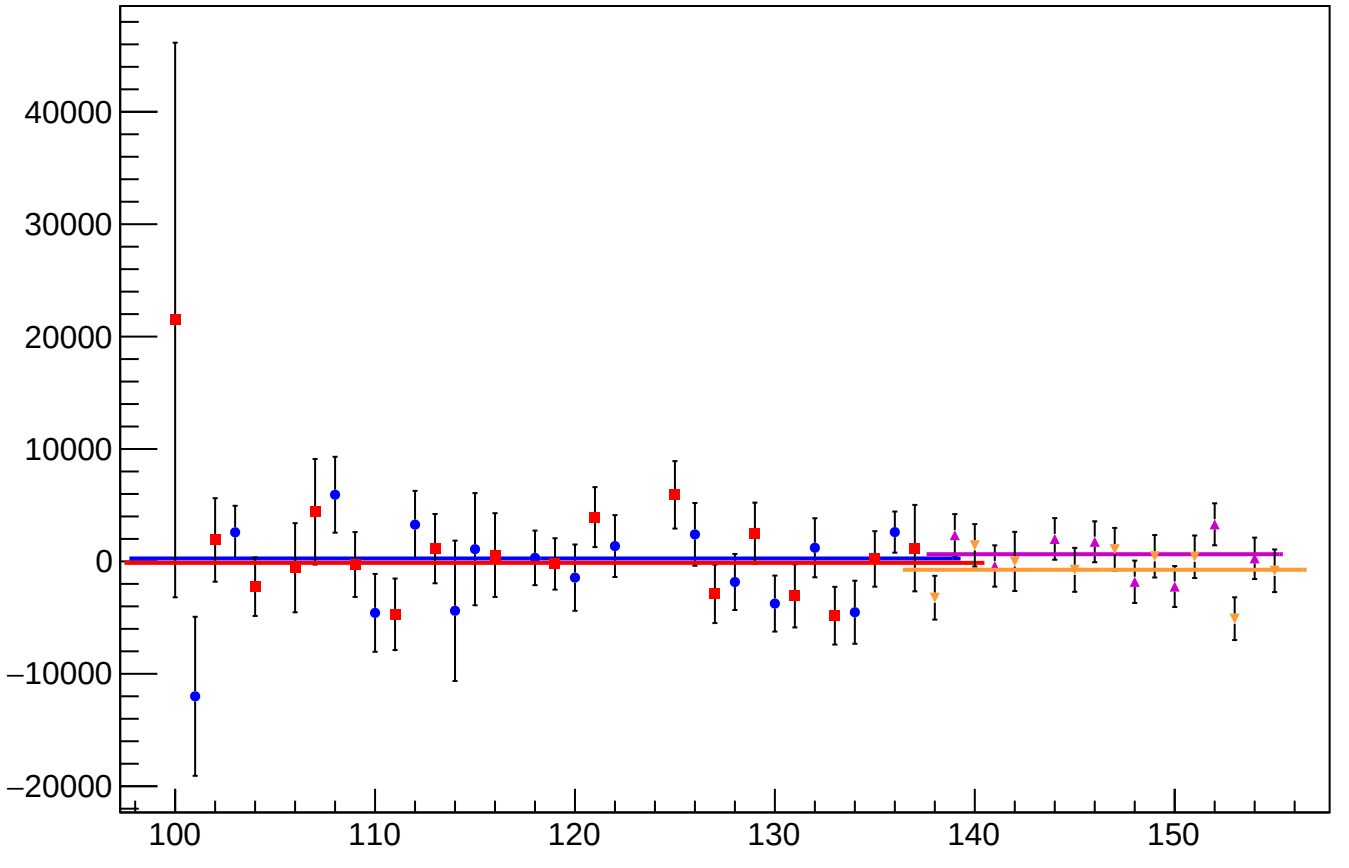
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 395.585+/-0.119 χ^2/NDF:2822716.4/7

+ sign 393.573+/-0.087 χ^2/NDF: 6882671.6/24

All: 423.392+/-0.065 χ^2/NDF: 11715539.5/50

- sign 461.083+/-0.097 χ^2/NDF: 4564935.4/25



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -743.157+/-653.552 χ^2/NDF:10.0/8

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

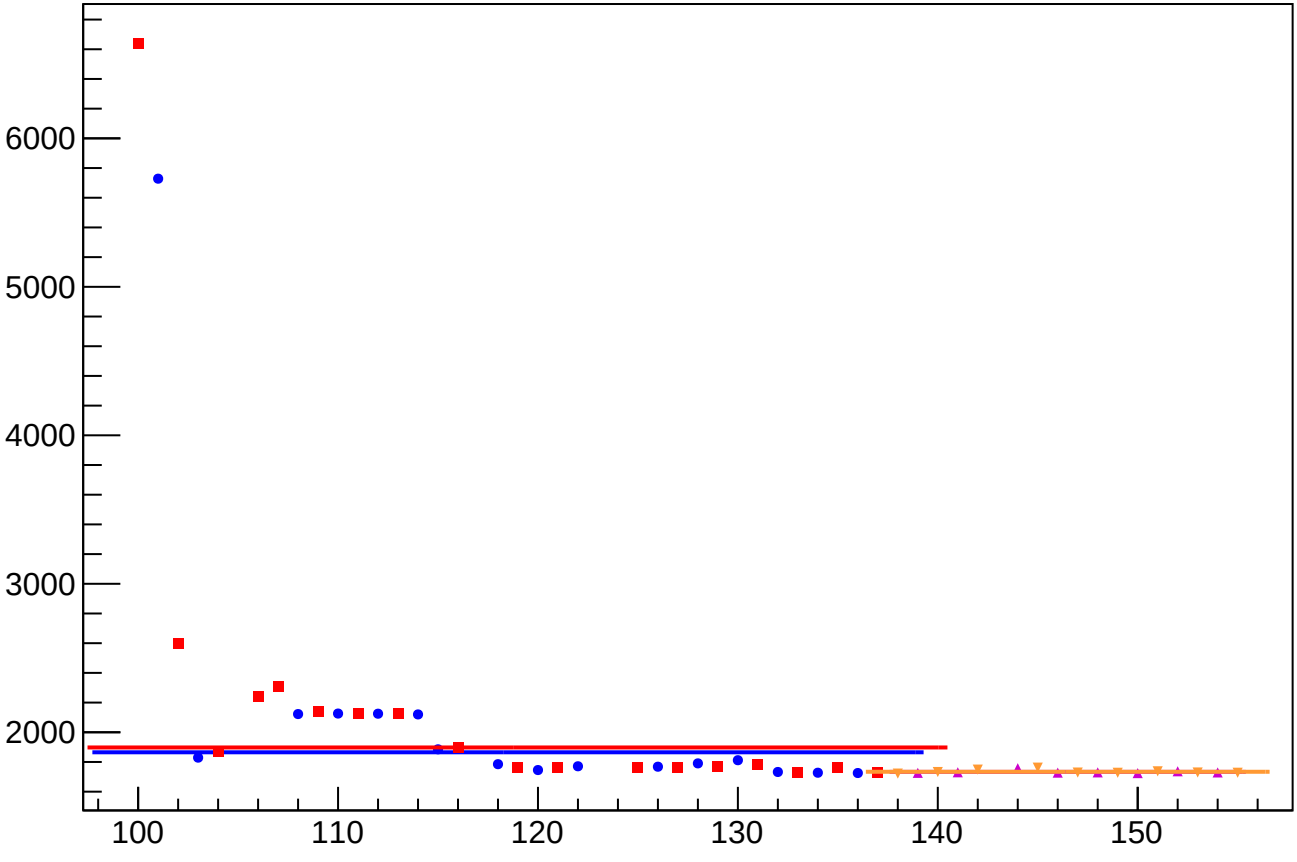
Left In: 640.317+/-654.076 χ^2/NDF:8.3/7

\+ sign -282.967+/-480.757 χ^2/NDF: 30.5/24

All: 1.985+/-340.460 χ^2/NDF: 58.1/50

\- sign 288.665+/-482.212 χ^2/NDF: 26.9/25

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.014+/-0.462 χ^2/NDF:629.9/8

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

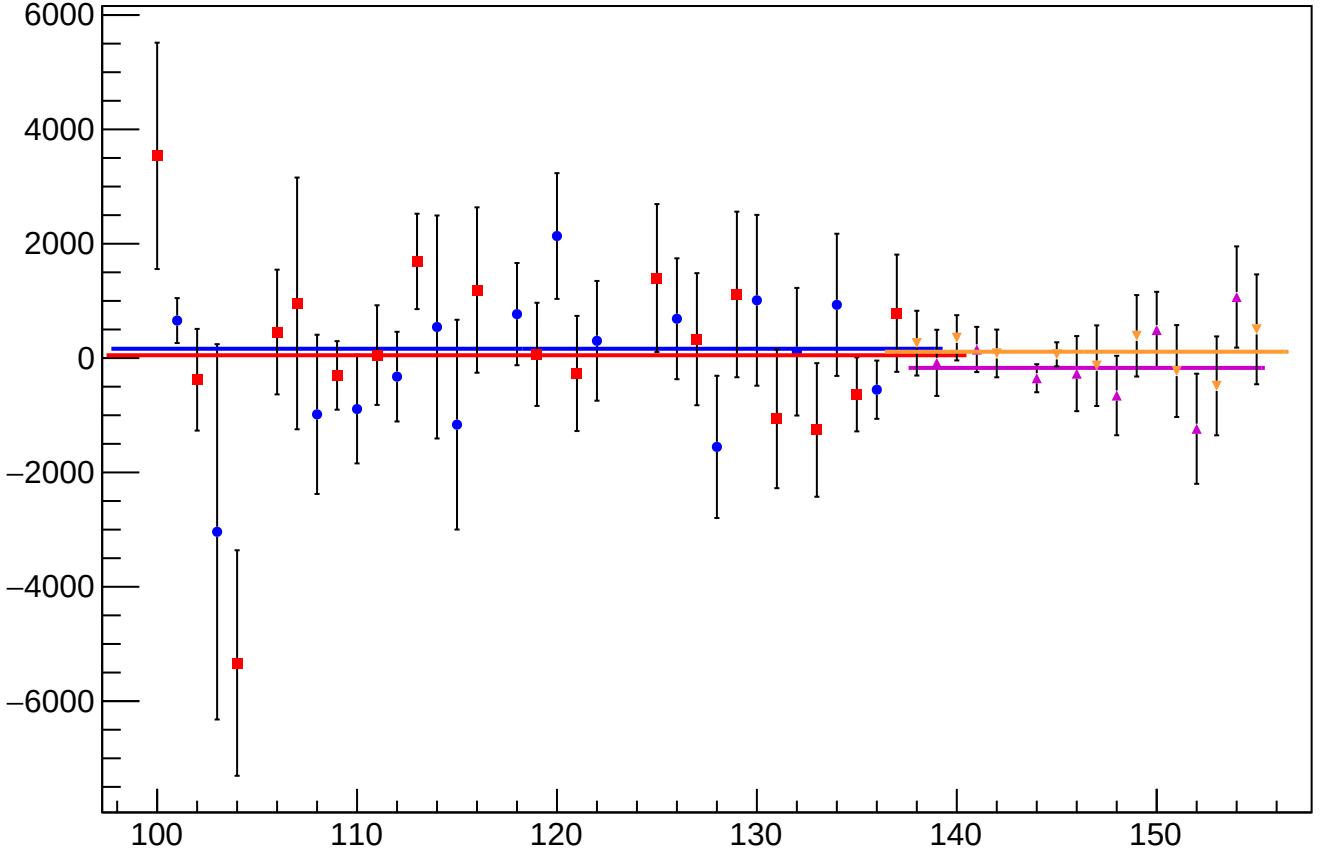
Left In: 1733.145+/-0.463 χ^2/NDF:464.6/7

+ sign 1794.199+/-0.340 χ^2/NDF: 710316.3/24

All: 1801.208+/-0.241 χ^2/NDF: 1027153.8/50

- sign 1808.260+/-0.341 χ^2/NDF: 315984.6/25

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 111.045+/-147.618 χ^2/NDF:1.6/8

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

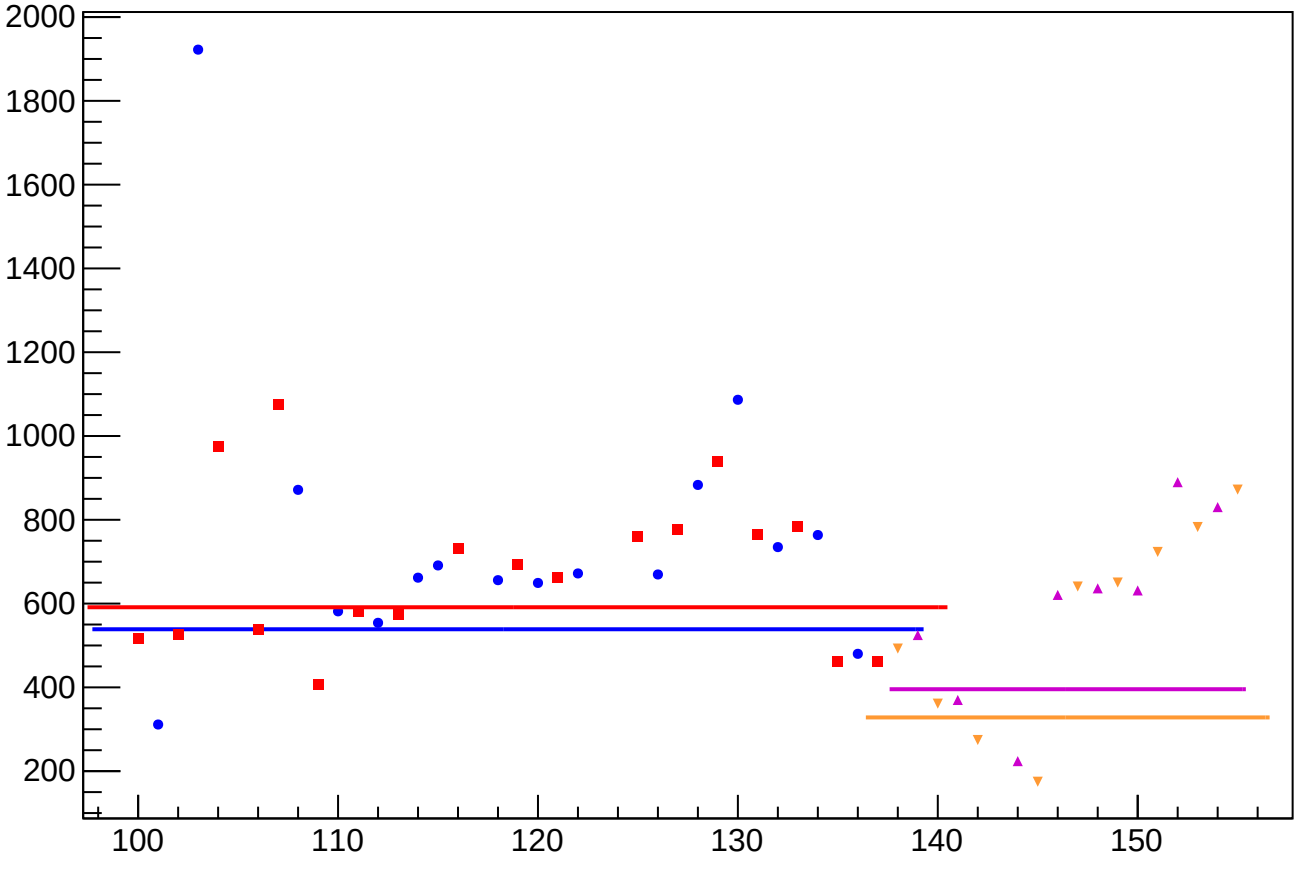
Left In: -171.649+/-168.972 χ^2/NDF:5.9/7

+ sign 127.218+/-122.585 χ^2/NDF: 15.5/24

All: 27.925+/-91.595 χ^2/NDF: 44.9/50

- sign -97.578+/-137.818 χ^2/NDF: 27.9/25

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 328.244+/-0.104 χ^2/NDF:3761905.7/8

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

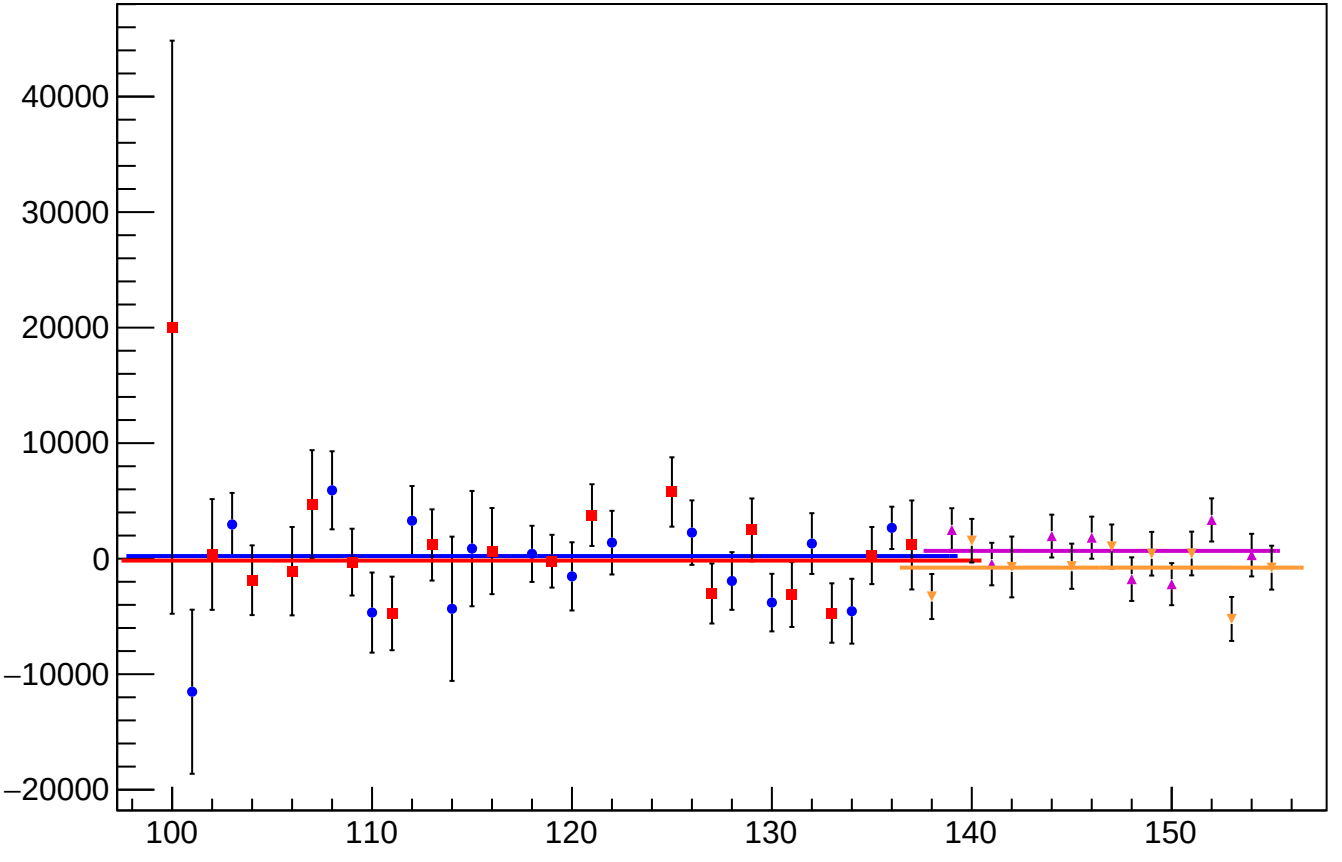
Left In: 395.585+/-0.119 χ^2/NDF:2822716.4/7

+ sign 393.573+/-0.087 χ^2/NDF: 6882671.6/24

All: 423.392+/-0.065 χ^2/NDF: 11715539.5/50

- sign 461.083+/-0.097 χ^2/NDF: 4564935.4/25

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -776.813+/-653.916 χ^2/NDF:10.4/8

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

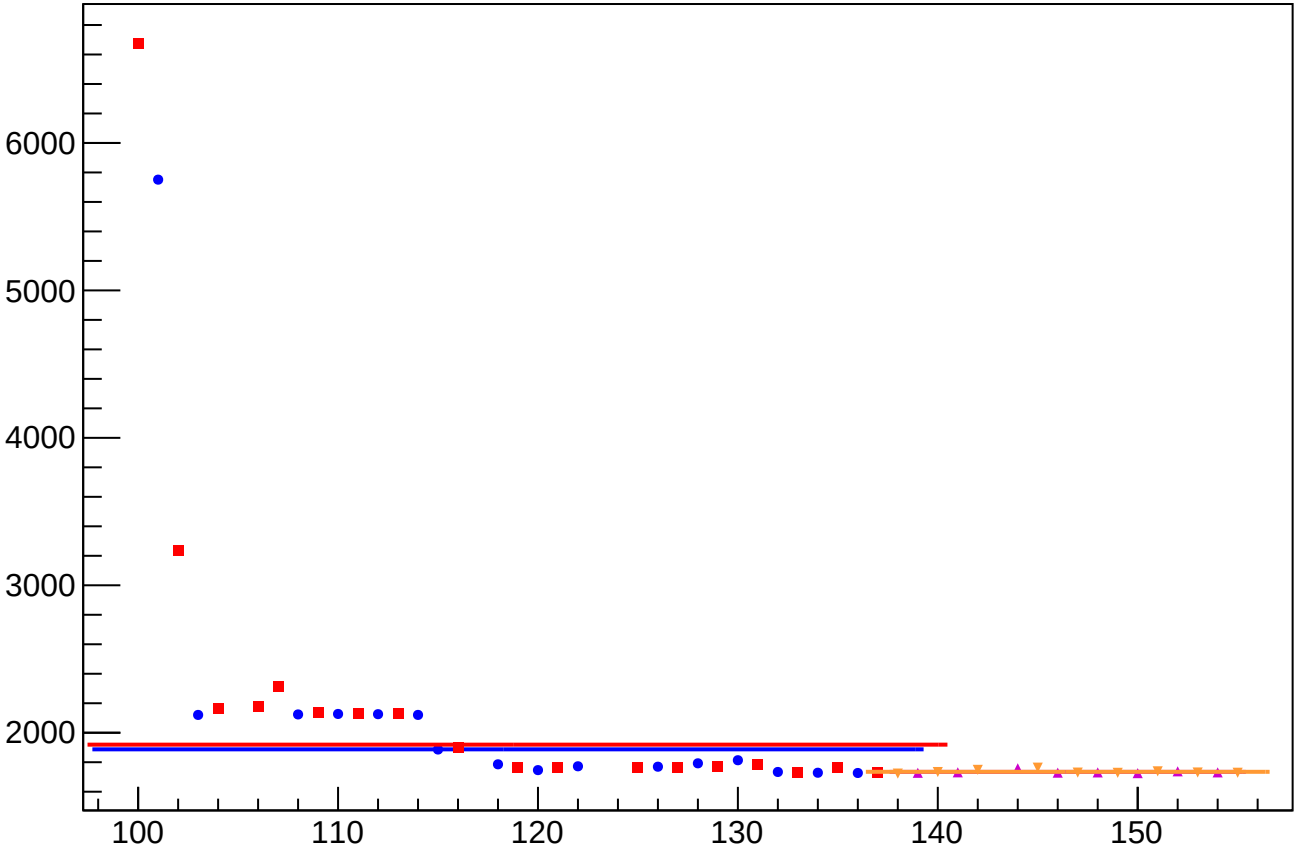
Left In: 674.867+/-654.489 χ^2/NDF:8.5/7

\+ sign -322.430+/-483.629 χ^2/NDF: 30.9/24

All: -13.375+/-342.832 χ^2/NDF: 57.9/50

\- sign 298.786+/-486.054 χ^2/NDF: 26.2/25

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.975+/-0.462 χ^2/NDF:624.6/8

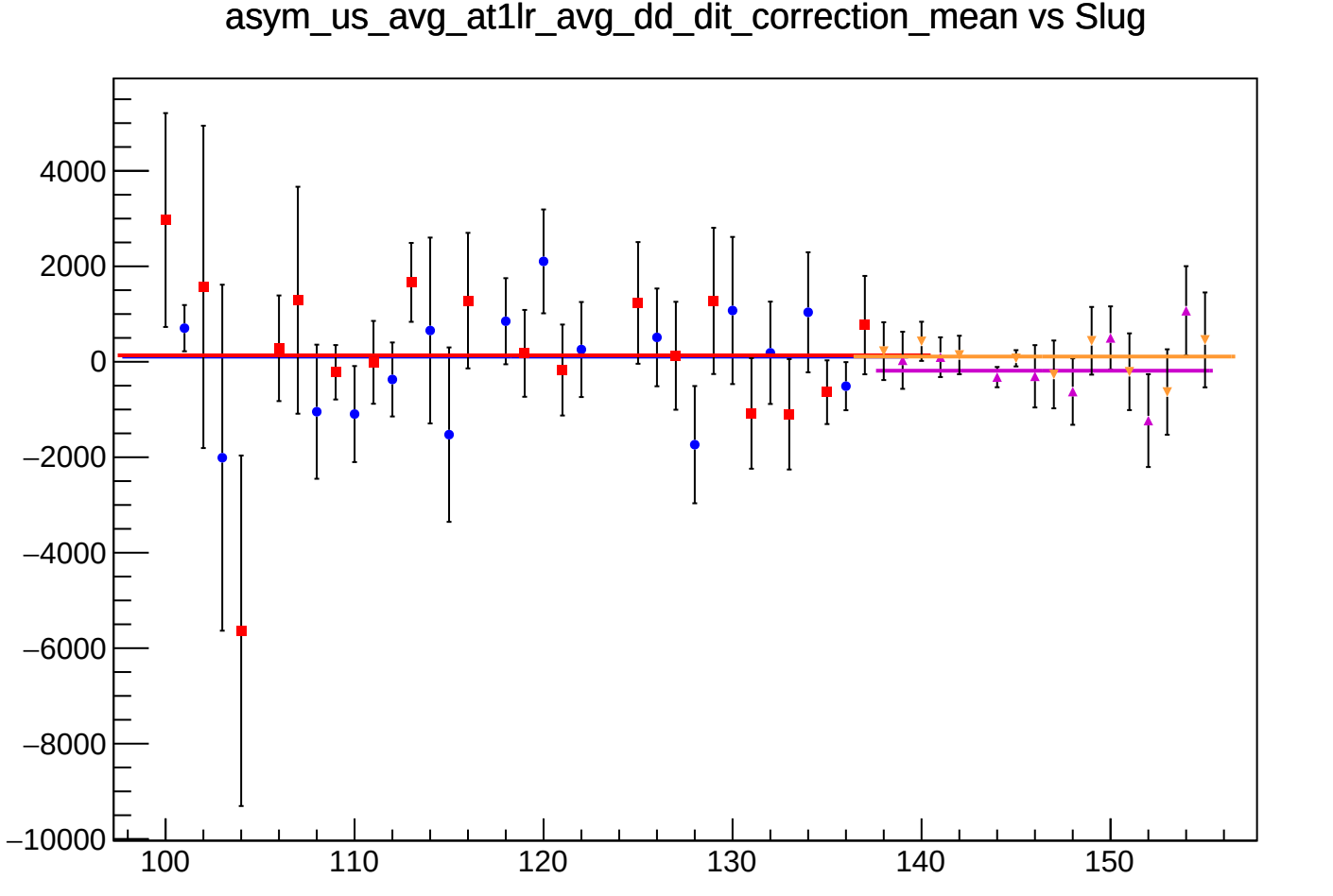
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.237+/-0.463 χ^2/NDF:454.4/7

+ sign 1803.984+/-0.342 χ^2/NDF: 739236.2/24

All: 1810.545+/-0.242 χ^2/NDF: 1164606.7/50

- sign 1817.172+/-0.344 χ^2/NDF: 424630.6/25



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 109.596+/-132.347 χ^2/NDF:2.2/8

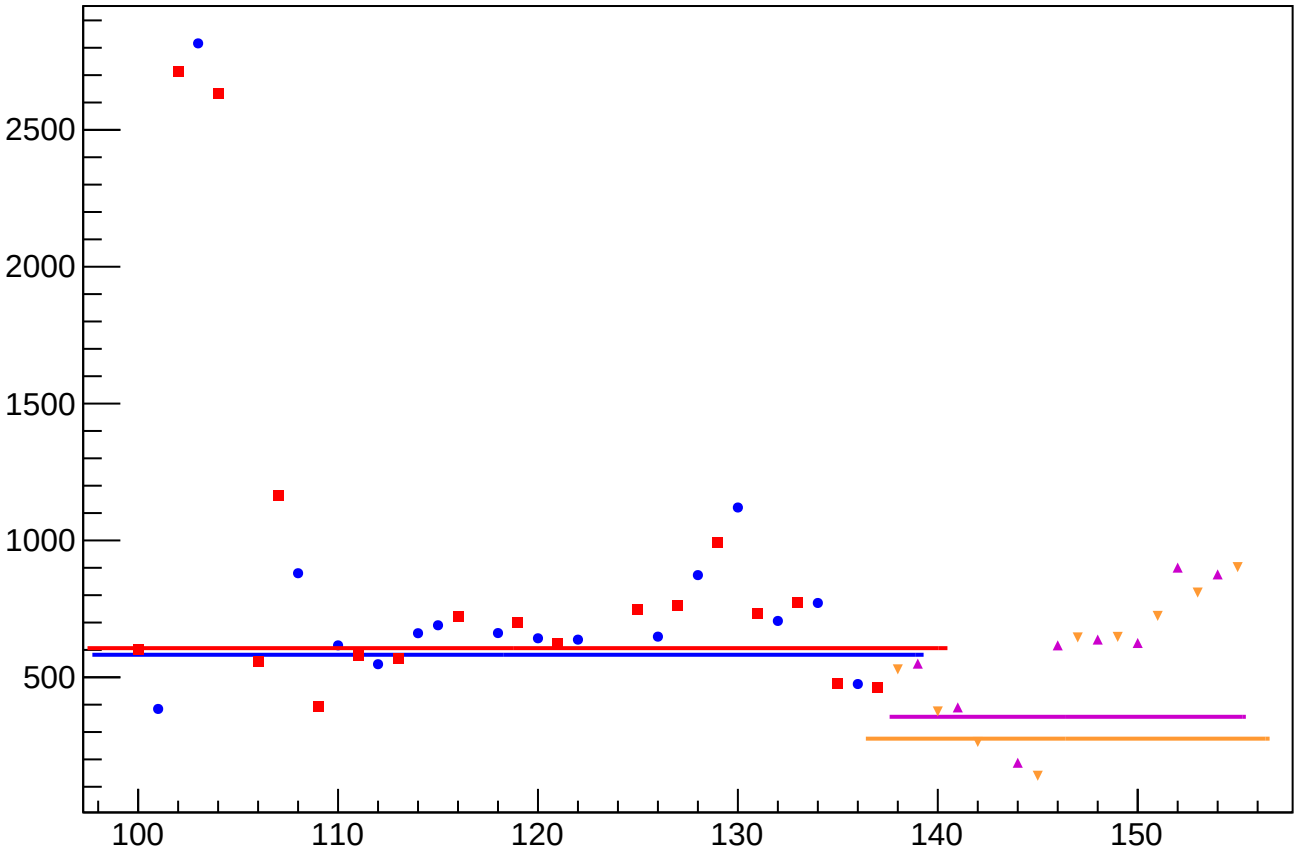
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -187.015+/-158.808 χ^2/NDF:5.5/7

+ sign 109.236+/-114.922 χ^2/NDF: 16.3/24

All: 23.454+/-87.071 χ^2/NDF: 38.6/50

- sign -92.150+/-133.411 χ^2/NDF: 21.0/25



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 275.788+/-0.094 χ^2/NDF:4957457.9/8

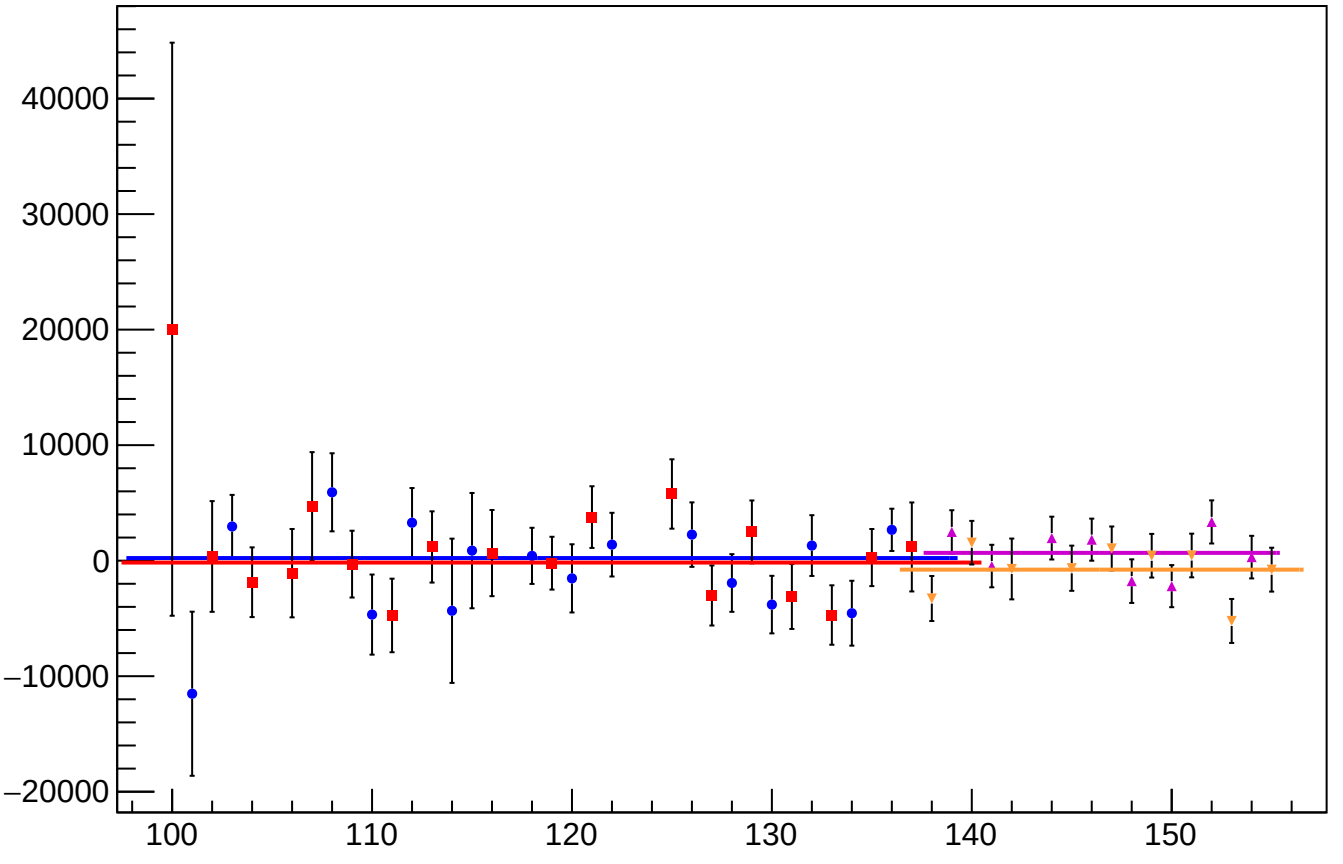
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 355.680+/-0.112 χ^2/NDF:3704620.9/7

+ sign 351.178+/-0.081 χ^2/NDF: 9350080.9/24

All: 384.529+/-0.062 χ^2/NDF: 17116065.9/50

- sign 429.474+/-0.094 χ^2/NDF: 7370552.6/25



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -776.817+/-653.916 χ^2/NDF:10.4/8

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

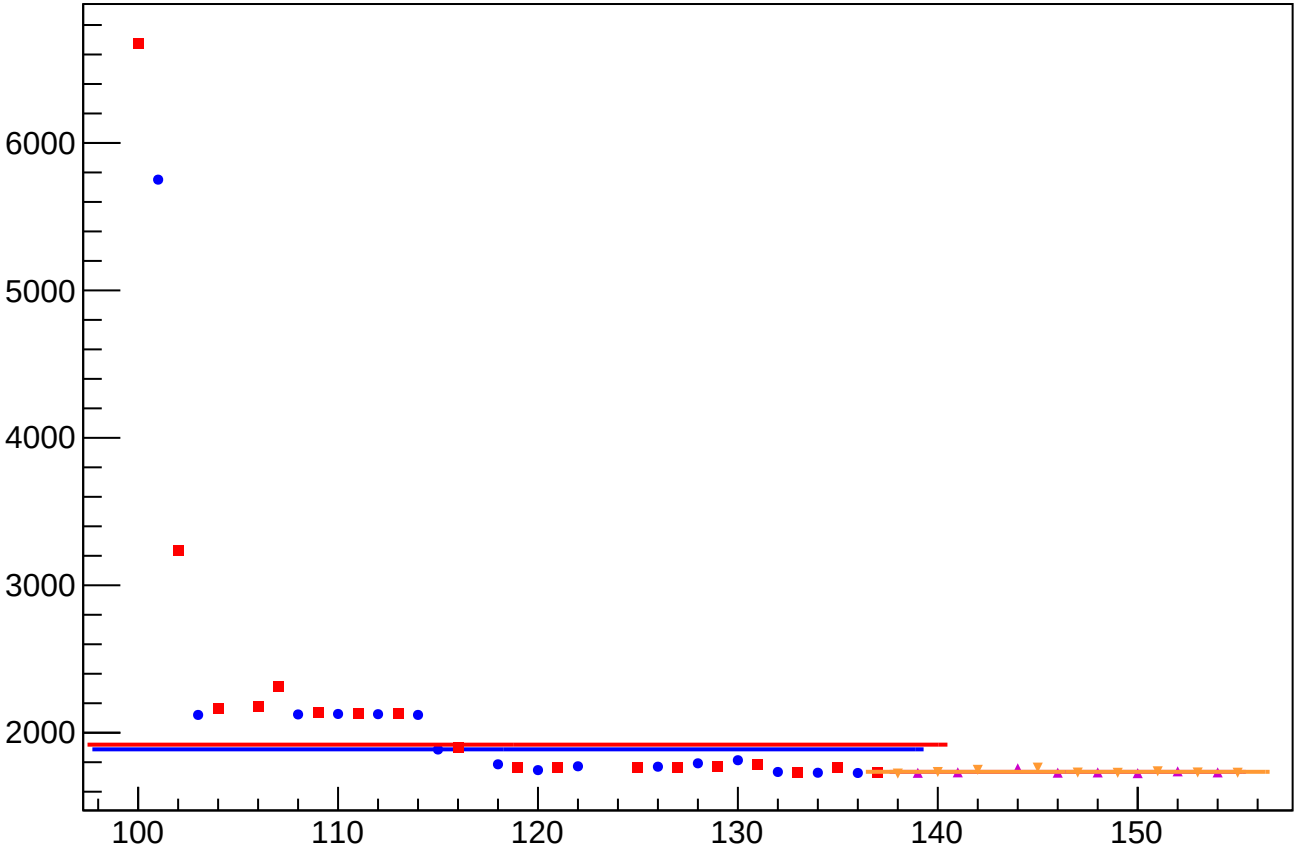
Left In: 674.867+/-654.489 χ^2/NDF:8.5/7

+ sign -322.431+/-483.629 χ^2/NDF: 30.9/24

All: -13.376+/-342.832 χ^2/NDF: 57.9/50

- sign 298.786+/-486.054 χ^2/NDF: 26.2/25

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: 1734.975+/-0.462 χ^2/NDF:624.6/8

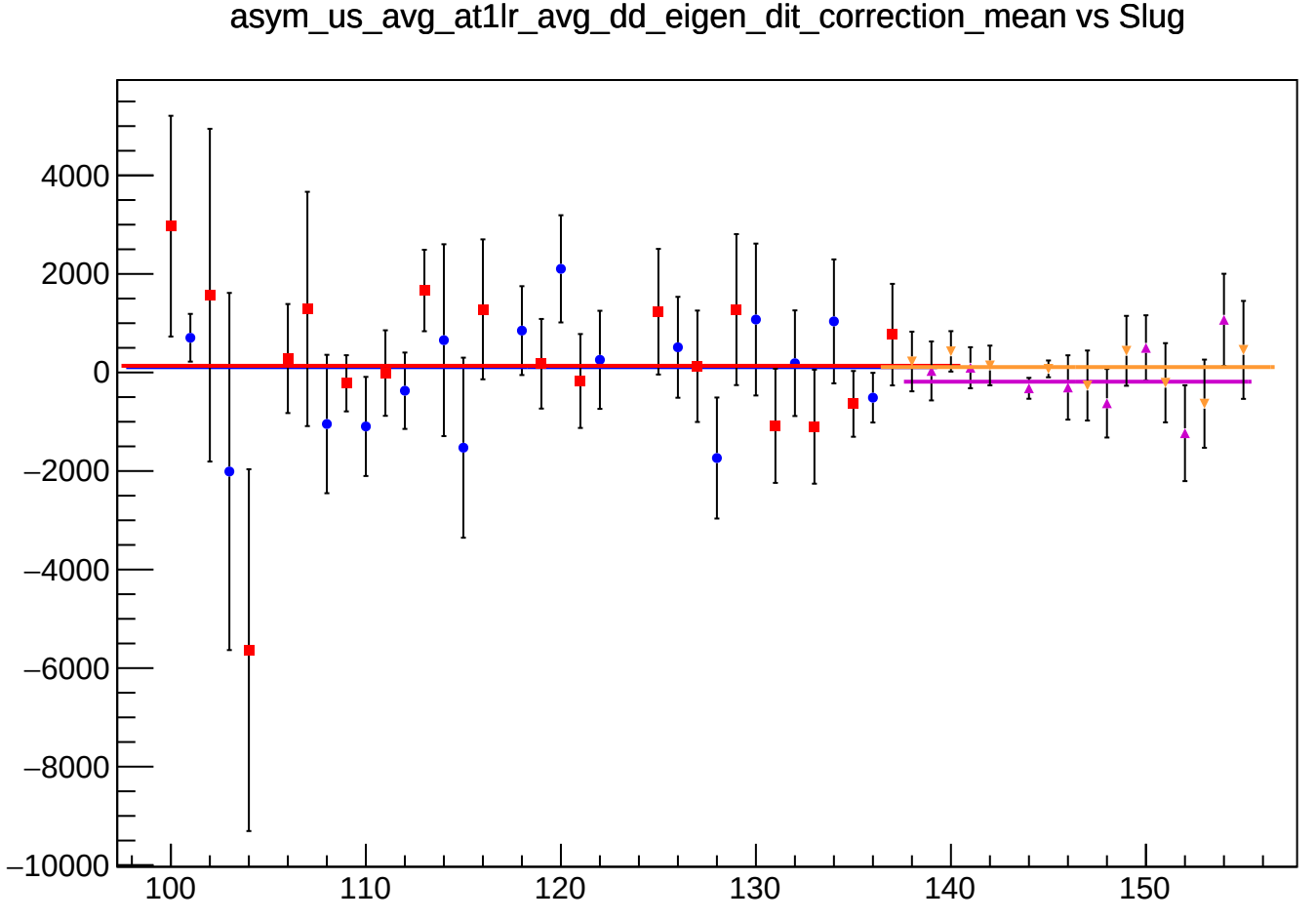
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.237+/-0.463 χ^2/NDF:454.4/7

+ sign 1803.984+/-0.342 χ^2/NDF: 739235.8/24

All: 1810.545+/-0.242 χ^2/NDF: 1164605.5/50

- sign 1817.172+/-0.344 χ^2/NDF: 424629.7/25



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 109.595+/-132.347 χ^2/NDF:2.2/8

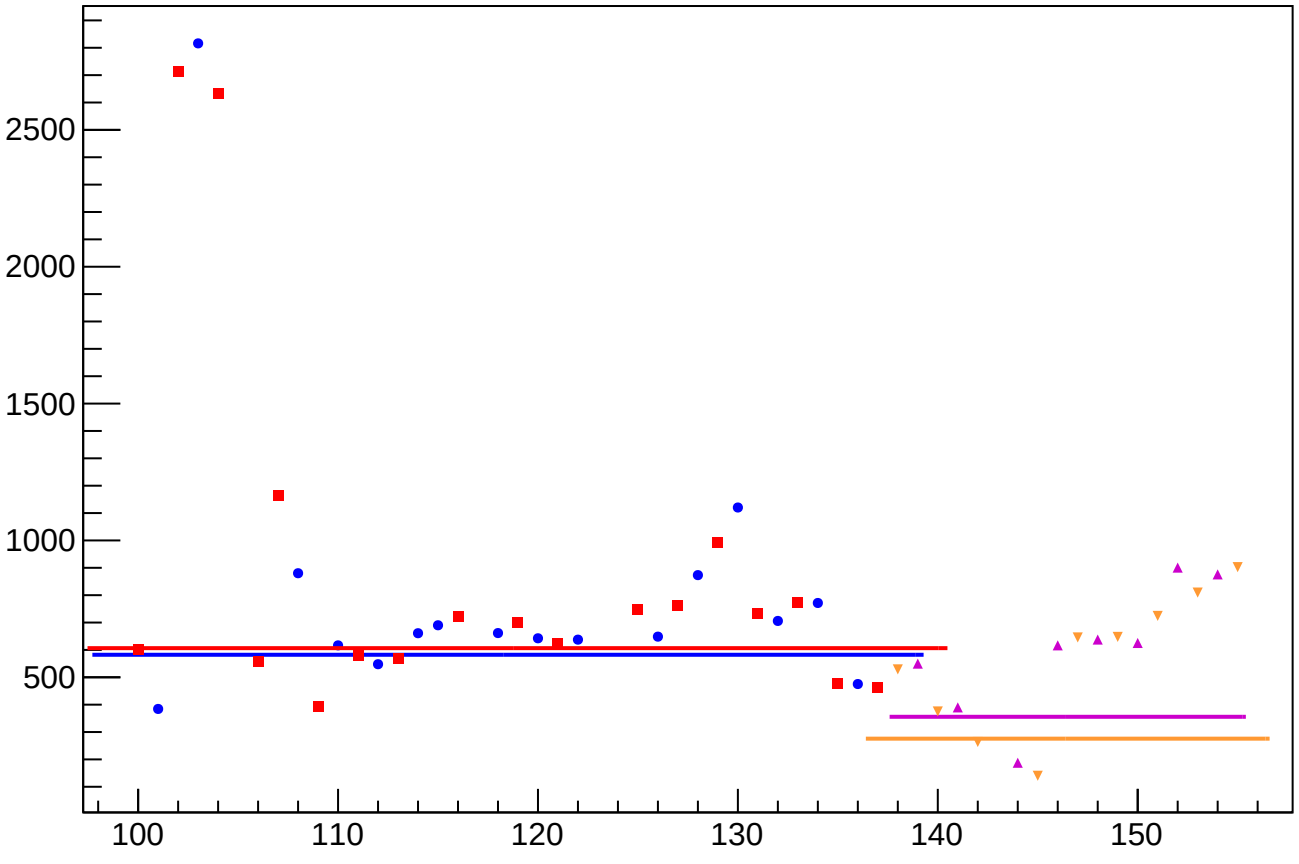
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -187.015+/-158.808 χ^2/NDF:5.5/7

+ sign 109.234+/-114.922 χ^2/NDF: 16.3/24

All: 23.453+/-87.071 χ^2/NDF: 38.6/50

- sign -92.150+/-133.411 χ^2/NDF: 21.0/25



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 275.787+/-0.094 χ^2/NDF:4957480.3/8

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

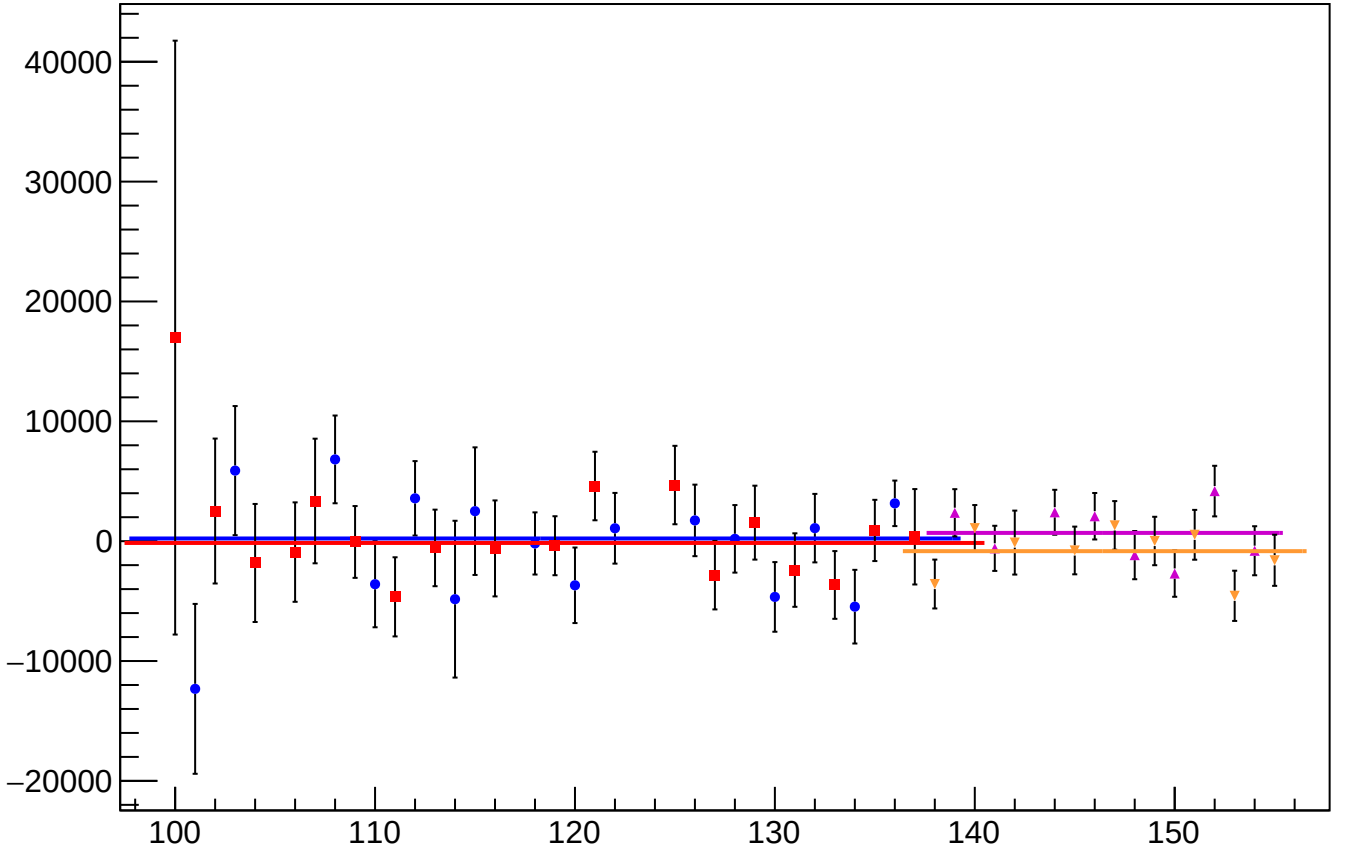
Left In: 355.680+/-0.112 χ^2/NDF:3704633.5/7

+ sign 351.178+/-0.081 χ^2/NDF: 9350075.8/24

All: 384.529+/-0.062 χ^2/NDF: 17116049.9/50

- sign 429.474+/-0.094 χ^2/NDF: 7370542.3/25

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -833.432+/-695.125 χ^2/NDF:7.9/8

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

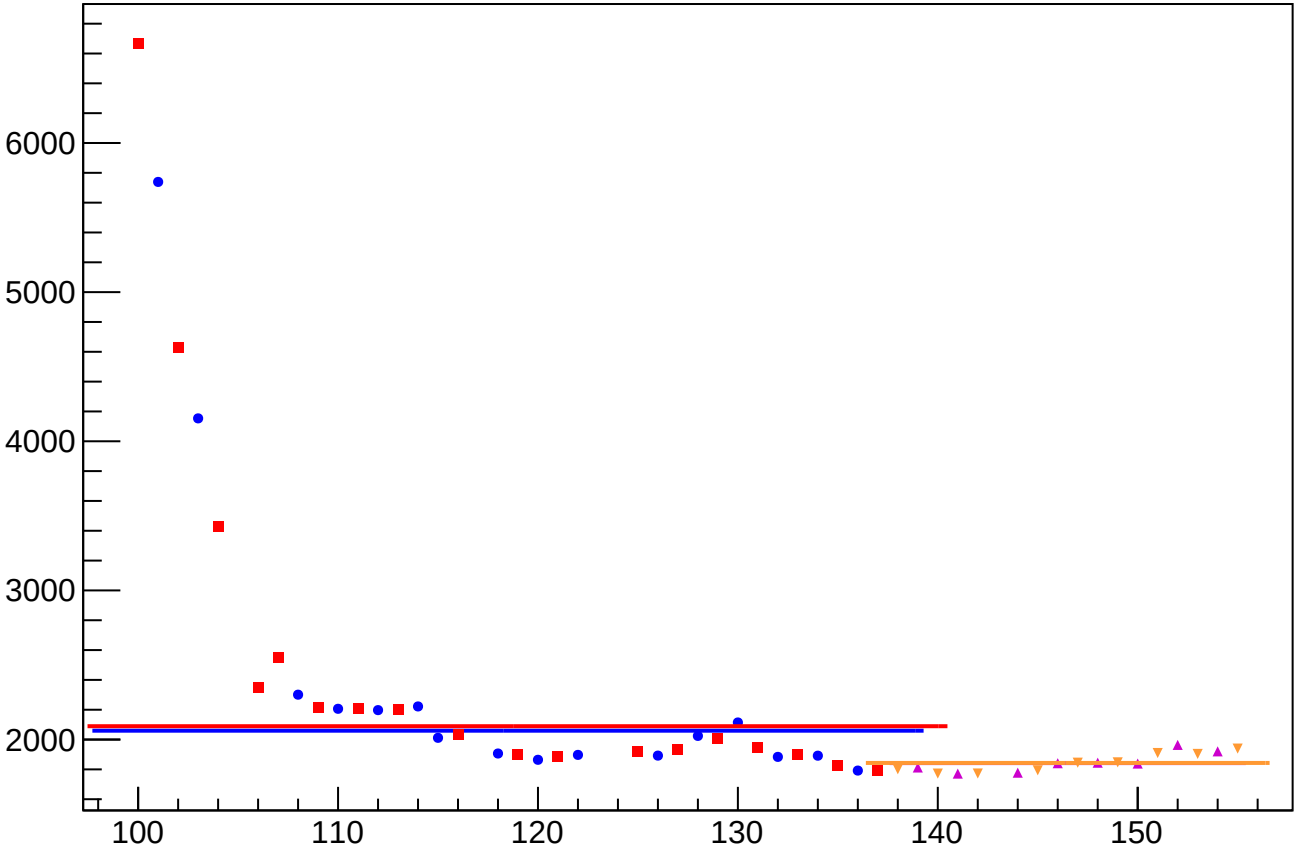
Left In: 689.991+/-695.660 χ^2/NDF:9.7/7

\+ sign -372.870+/-522.347 χ^2/NDF: 30.1/24

All: -23.976+/-369.689 χ^2/NDF: 52.9/50

\- sign 326.180+/-523.292 χ^2/NDF: 21.9/25

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1843.214+/-0.492 χ^2/NDF:14025.6/8

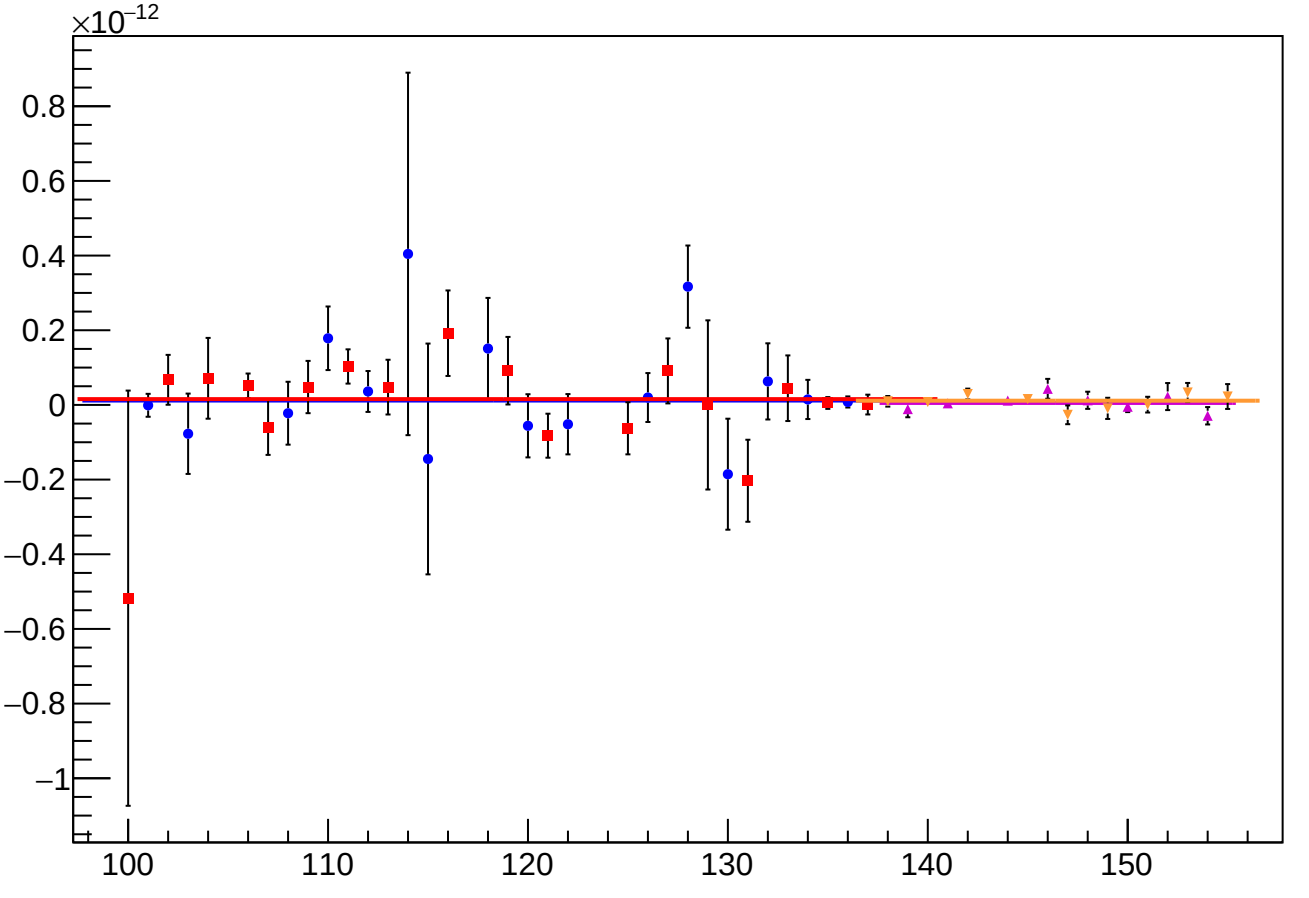
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1842.247+/-0.492 χ^2/NDF:15268.0/7

+ sign 1937.369+/-0.369 χ^2/NDF: 1038187.8/24

All: 1943.466+/-0.261 χ^2/NDF: 1845137.1/50

- sign 1949.585+/-0.370 χ^2/NDF: 806403.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/8

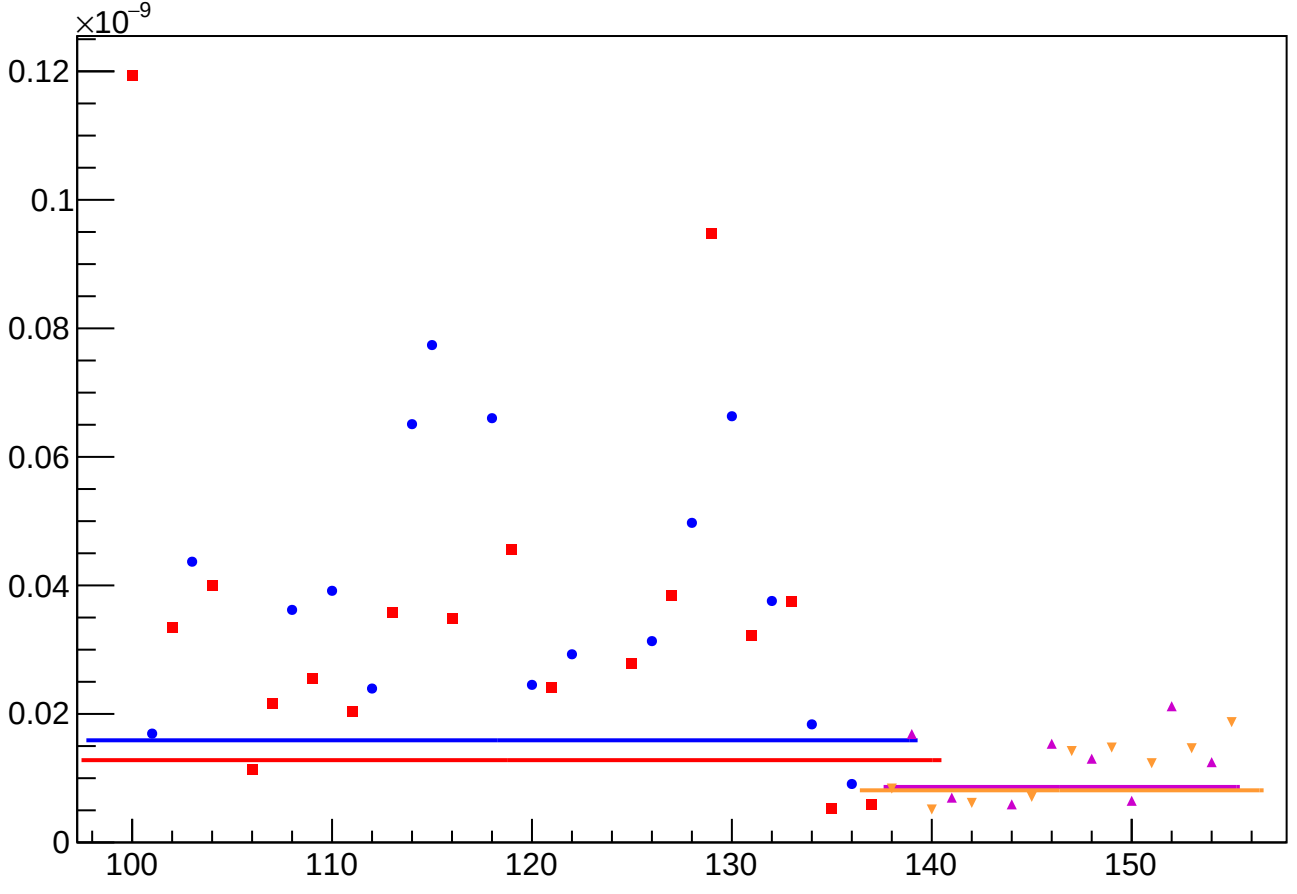
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 23.7/24

All: 0.000+/-0.000 χ^2/NDF: 51.5/50

- sign 0.000+/-0.000 χ^2/NDF: 27.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:885697.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

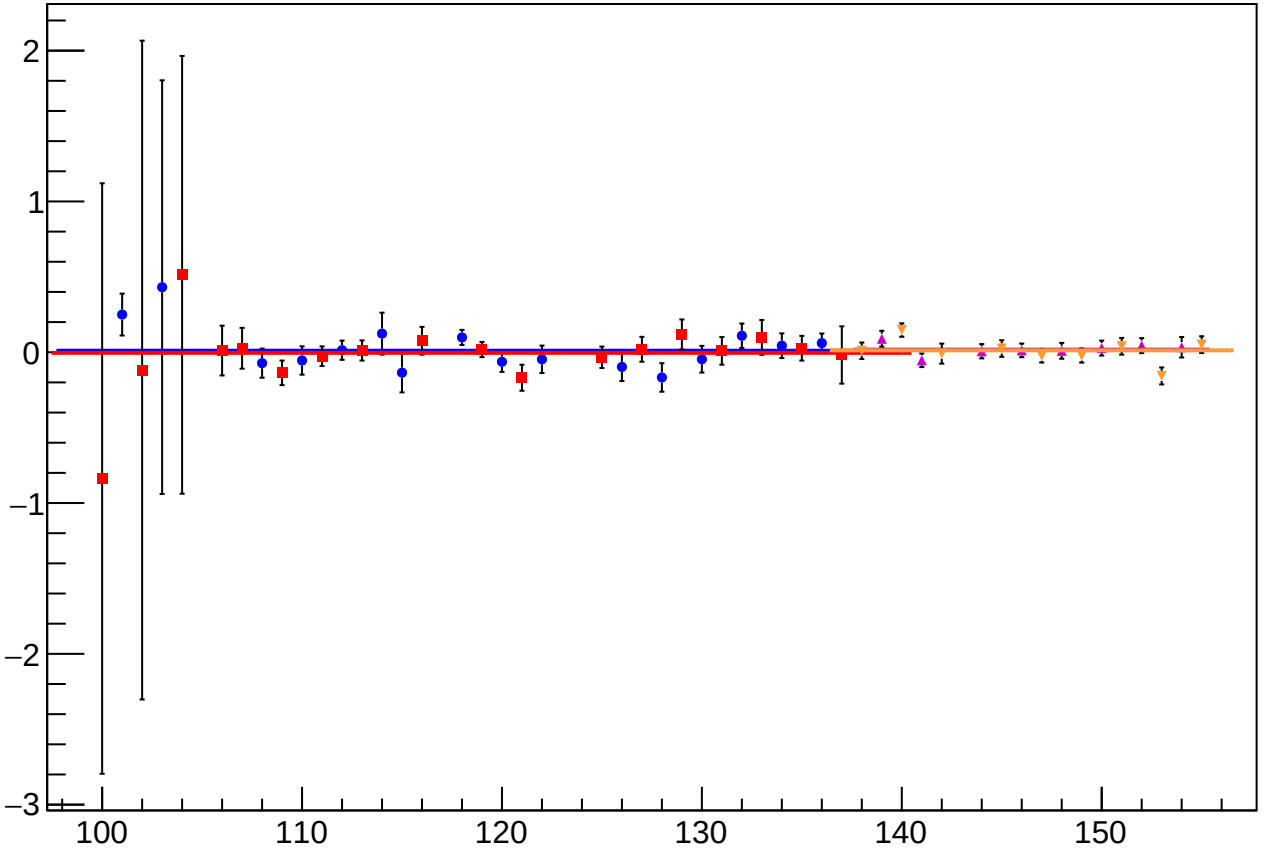
Left In: 0.000+/-0.000 χ^2/NDF:1026694.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 3565616.1/24

All: 0.000+/-0.000 χ^2/NDF: 7315269.7/50

- sign 0.000+/-0.000 χ^2/NDF: 3749376.5/25

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.013+/-0.017 χ^2/NDF:20.2/8

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

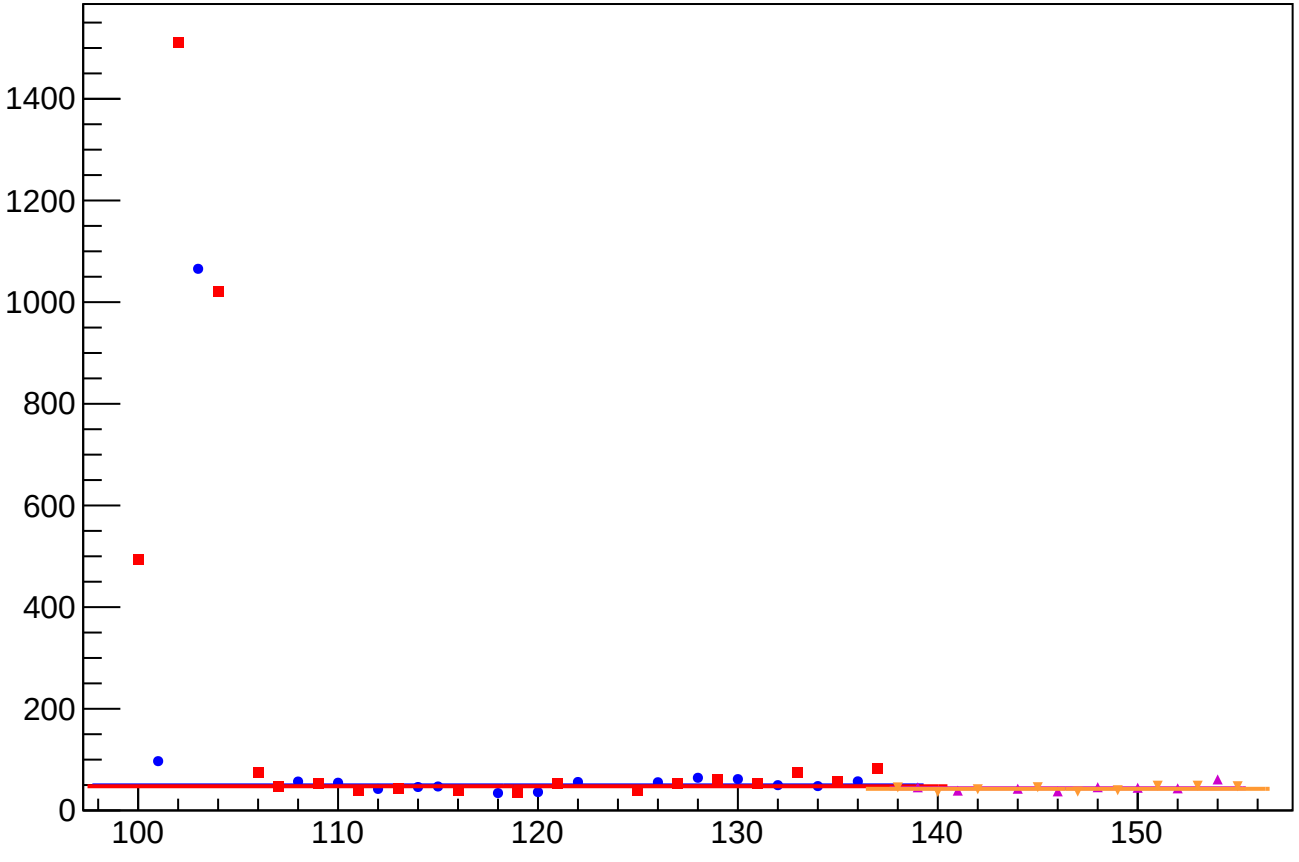
Left In: 0.017+/-0.018 χ^2/NDF:4.8/7

+ sign 0.012+/-0.013 χ^2/NDF: 38.7/24

All: 0.010+/-0.010 χ^2/NDF: 54.6/50

- sign 0.009+/-0.014 χ^2/NDF: 15.9/25

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: 42.581+/-0.012 χ^2/NDF:151050.4/8

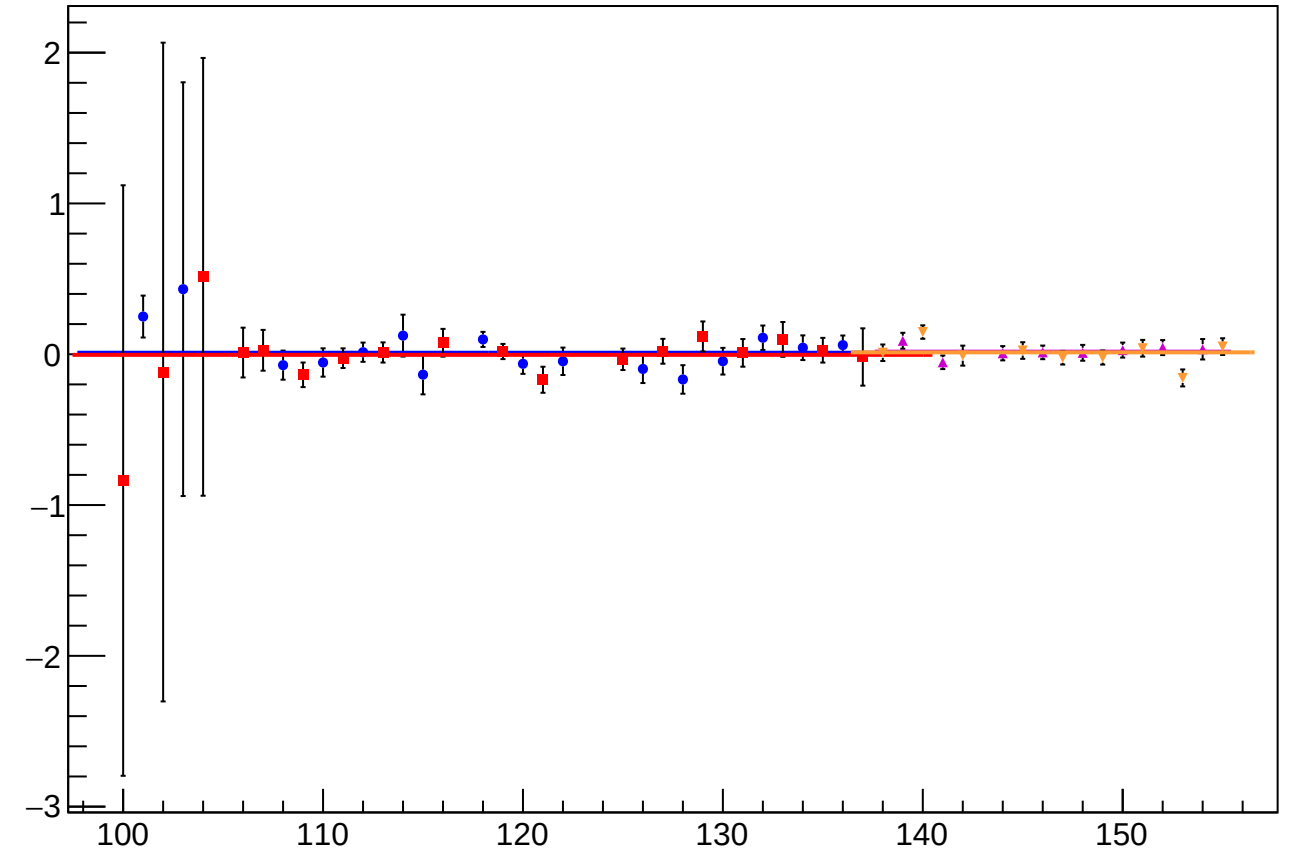
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.659+/-0.013 χ^2/NDF:195768.2/7

+ sign 45.333+/-0.009 χ^2/NDF: 2051019.3/24

All: 45.297+/-0.007 χ^2/NDF: 4704977.5/50

- sign 45.258+/-0.010 χ^2/NDF: 2653927.4/25



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.013+/-0.017 χ^2/NDF:20.2/8

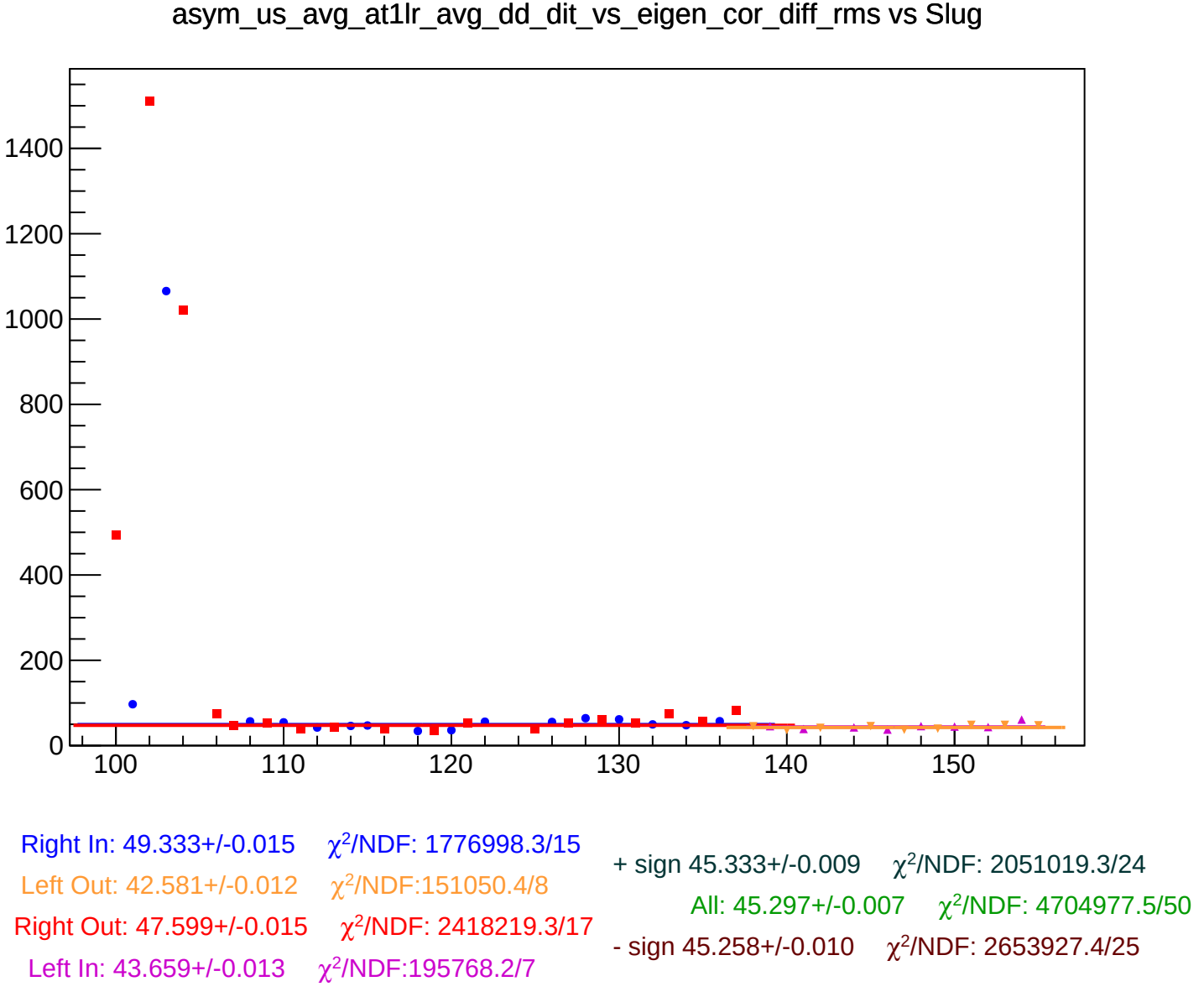
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

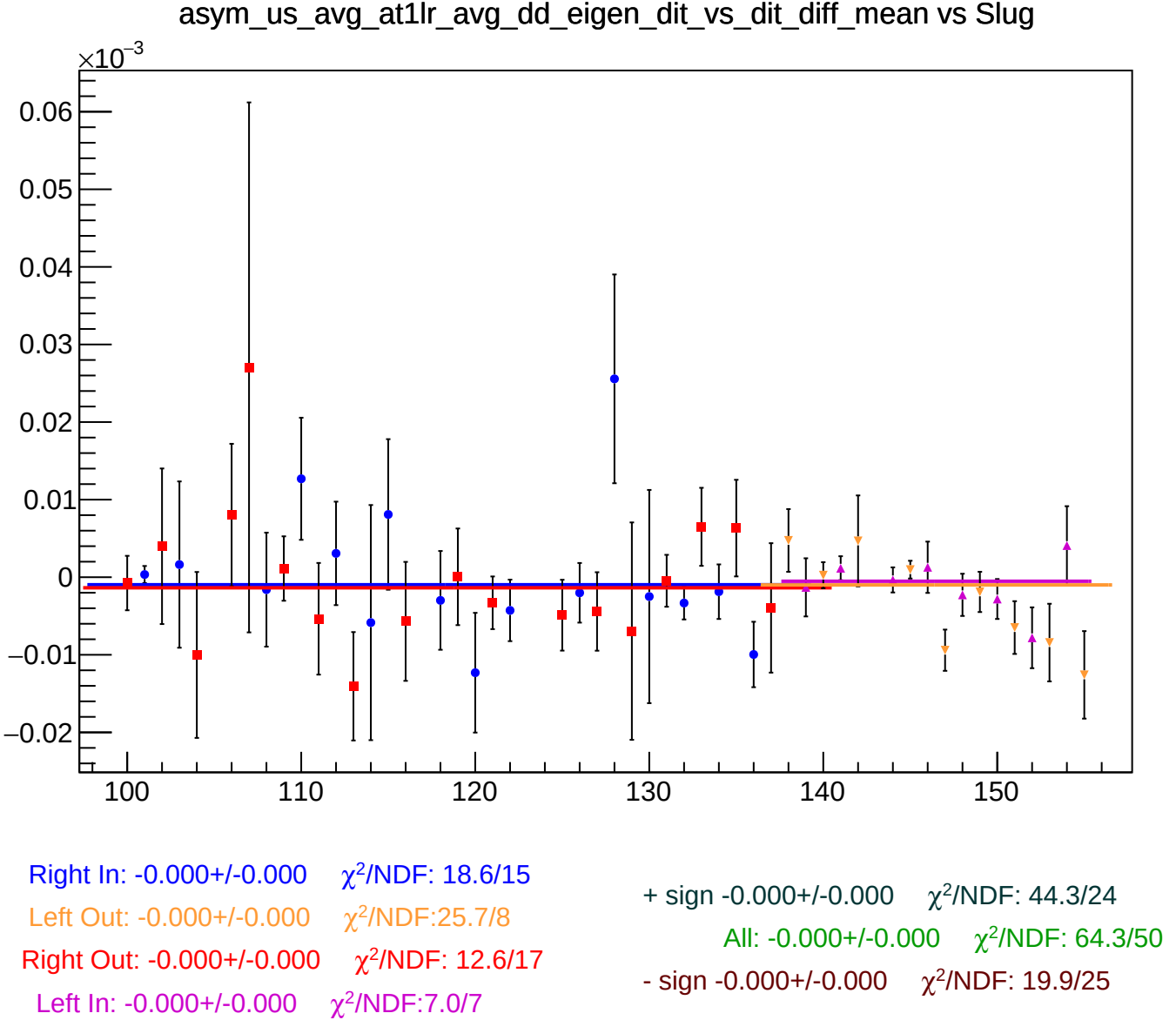
Left In: 0.017+/-0.018 χ^2/NDF:4.8/7

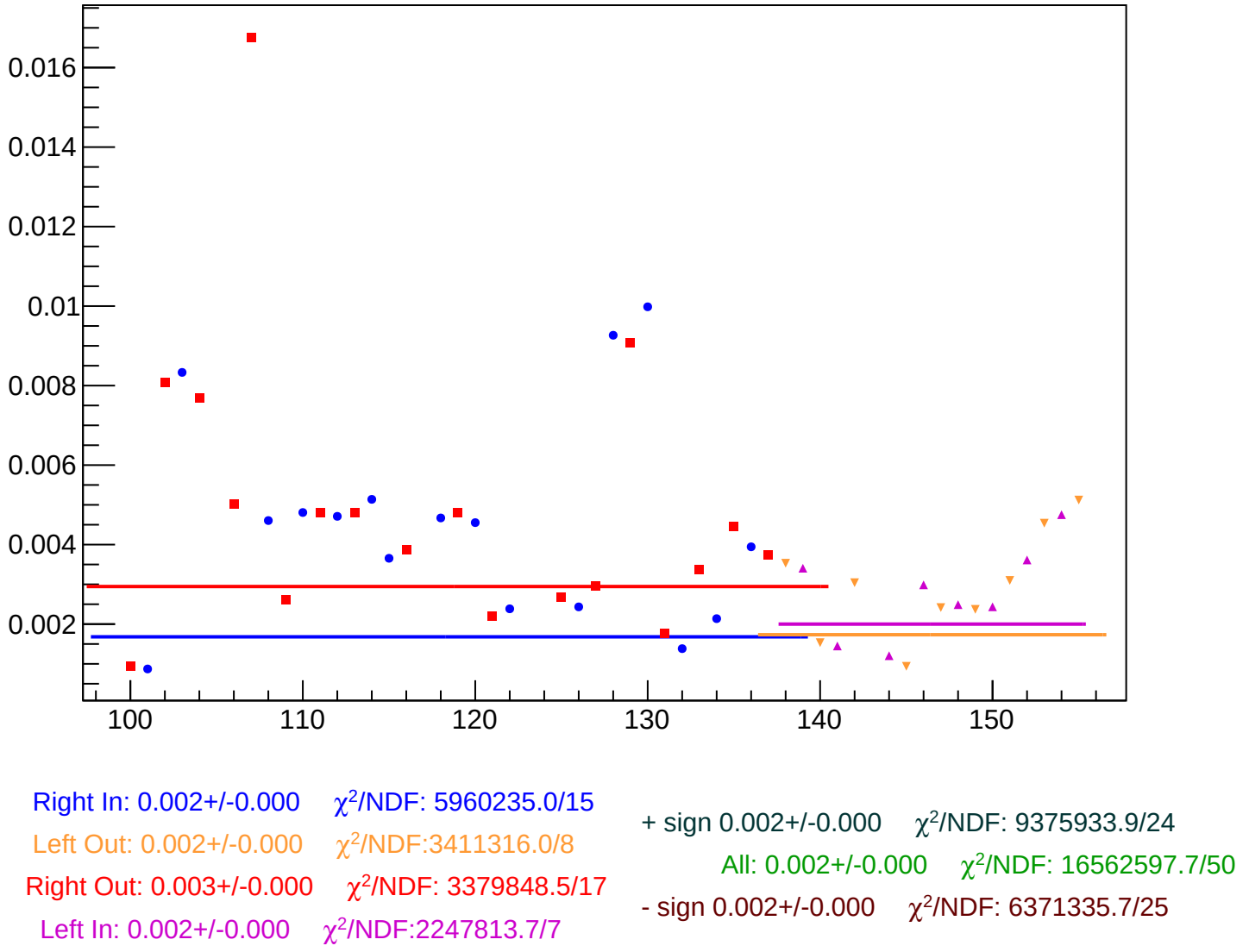
+ sign 0.012+/-0.013 χ^2/NDF: 38.7/24

All: 0.010+/-0.010 χ^2/NDF: 54.6/50

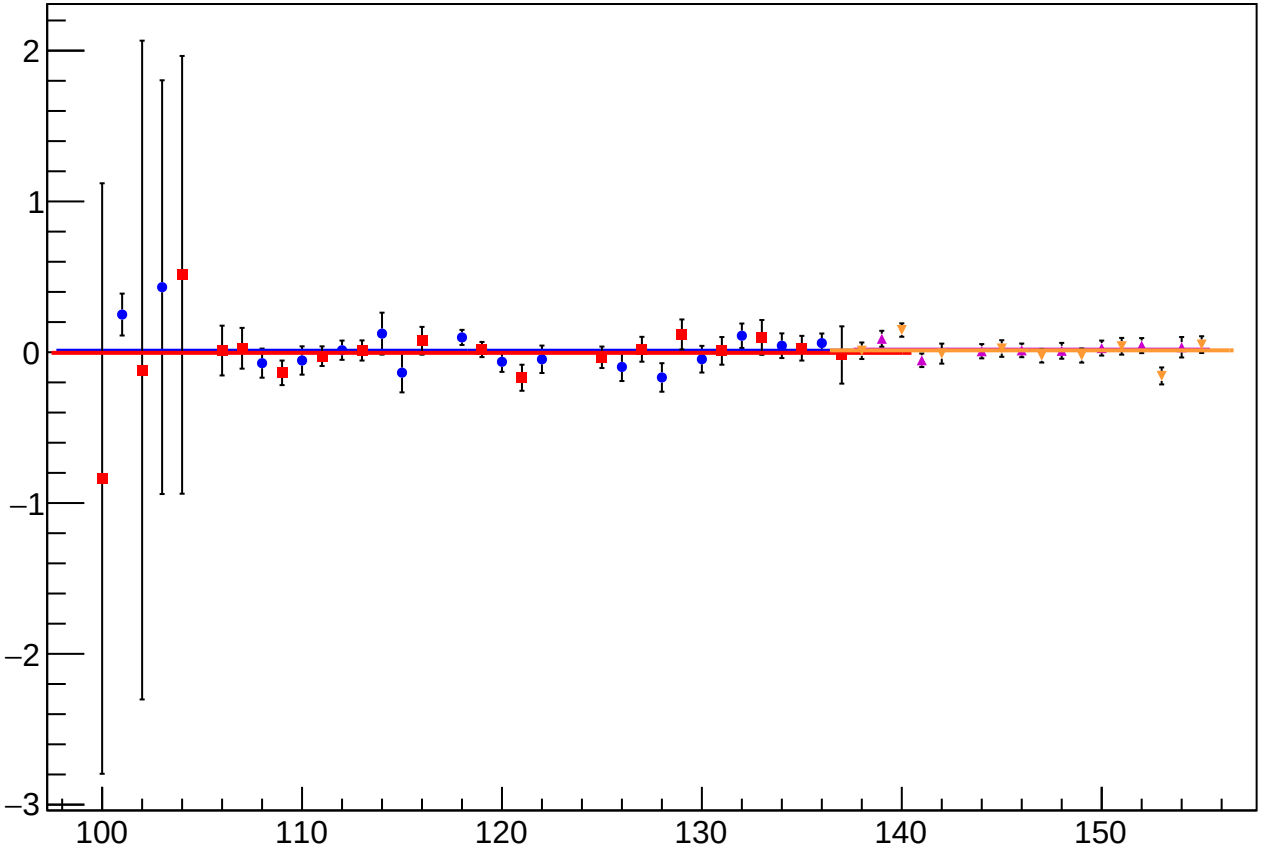
- sign 0.009+/-0.014 χ^2/NDF: 15.9/25


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 42.581+/-0.012 χ²/NDF:151050.4/8
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 43.659+/-0.013 χ²/NDF:195768.2/7
+ sign 45.333+/-0.009 χ²/NDF: 2051019.3/24
All: 45.297+/-0.007 χ²/NDF: 4704977.5/50
- sign 45.258+/-0.010 χ²/NDF: 2653927.4/25


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
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:25.7/8
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:7.0/7
+ sign -0.000+/-0.000 χ²/NDF: 44.3/24
All: -0.000+/-0.000 χ²/NDF: 64.3/50
- sign -0.000+/-0.000 χ²/NDF: 19.9/25


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
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.002+/-0.000 χ²/NDF:3411316.0/8
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:2247813.7/7
+ sign 0.002+/-0.000 χ²/NDF: 9375933.9/24
All: 0.002+/-0.000 χ²/NDF: 16562597.7/50
- sign 0.002+/-0.000 χ²/NDF: 6371335.7/25

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: 0.013+/-0.017 χ^2/NDF:20.2/8

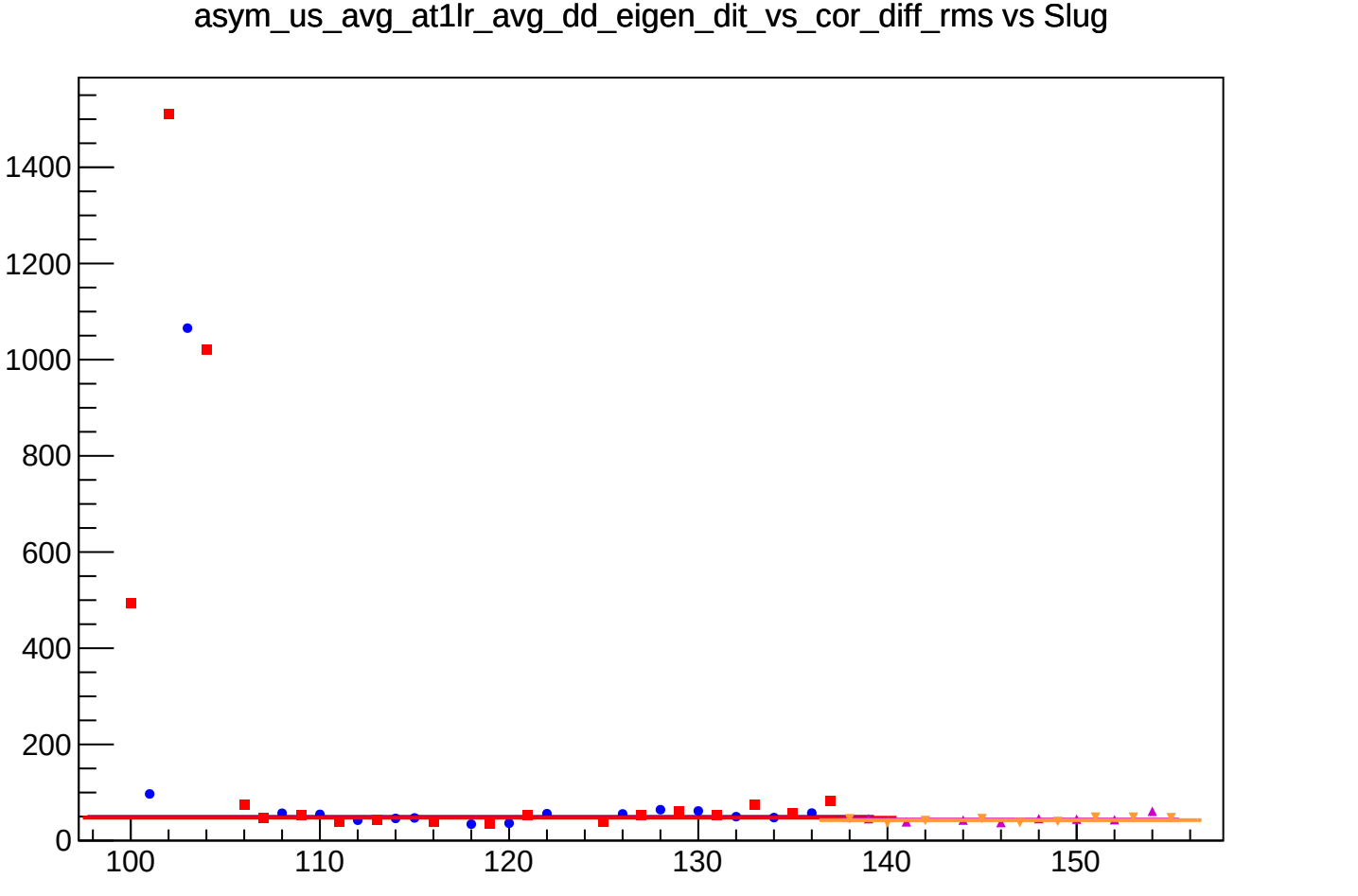
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.017+/-0.018 χ^2/NDF:4.8/7

+ sign 0.012+/-0.013 χ^2/NDF: 38.7/24

All: 0.010+/-0.010 χ^2/NDF: 54.6/50

- sign 0.009+/-0.014 χ^2/NDF: 15.8/25



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.582+/-0.012 χ^2/NDF:151069.0/8

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

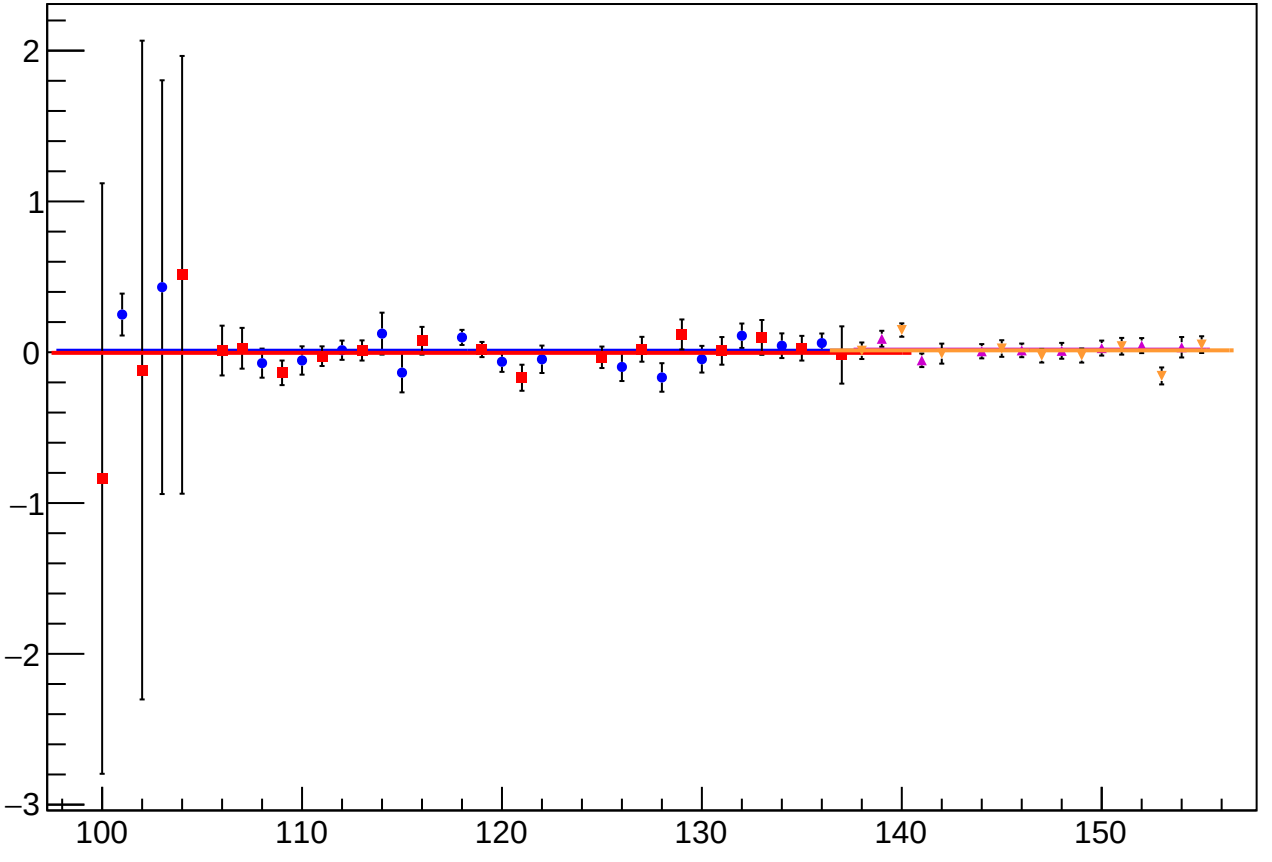
Left In: 43.659+/-0.013 χ^2/NDF:195814.5/7

+ sign 45.334+/-0.009 χ^2/NDF: 2050964.5/24

All: 45.297+/-0.007 χ^2/NDF: 4704998.7/50

- sign 45.258+/-0.010 χ^2/NDF: 2654002.5/25

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: 0.013+/-0.017 χ^2/NDF:20.2/8

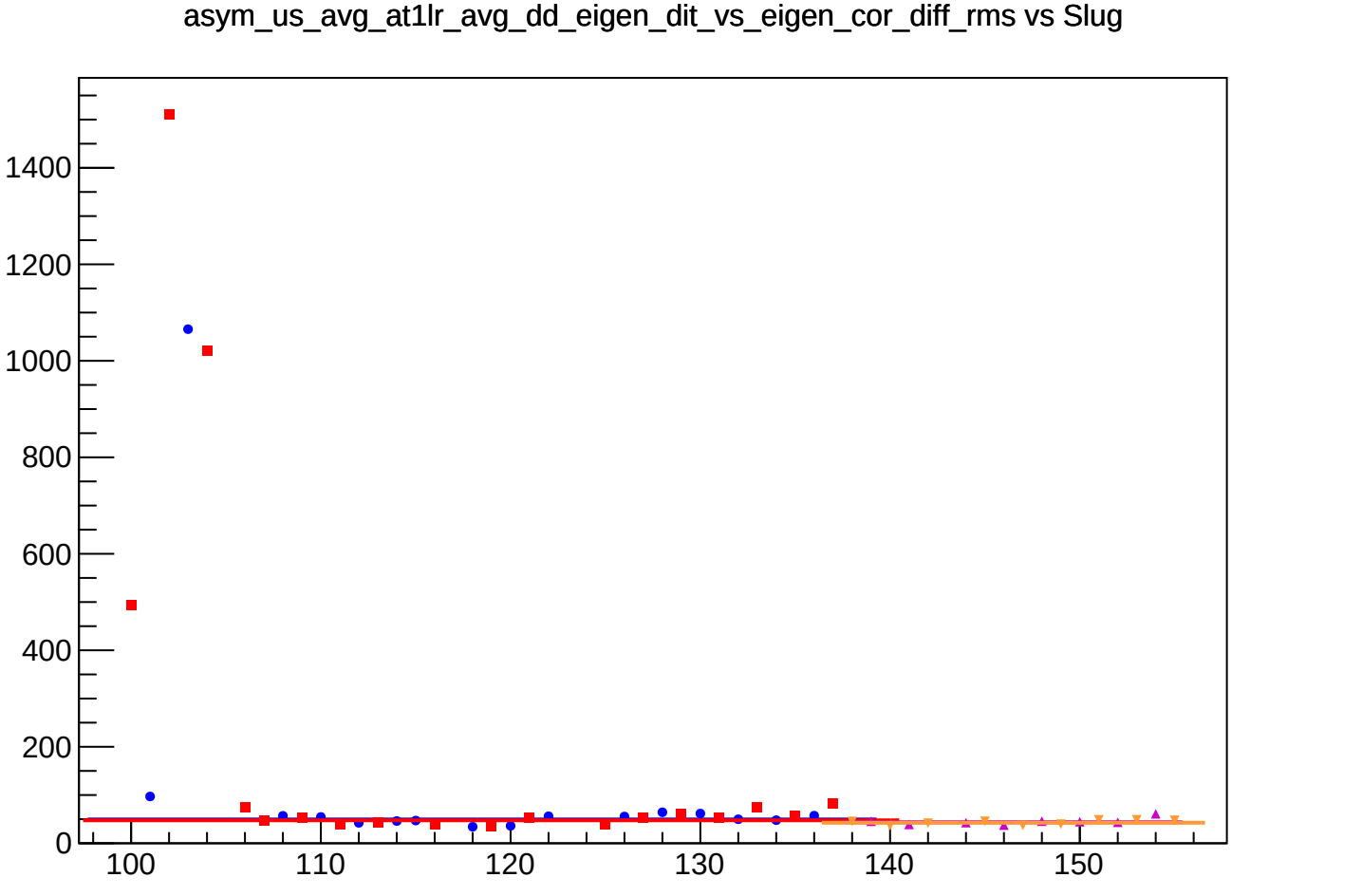
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.017+/-0.018 χ^2/NDF:4.8/7

+ sign 0.012+/-0.013 χ^2/NDF: 38.7/24

All: 0.010+/-0.010 χ^2/NDF: 54.6/50

- sign 0.009+/-0.014 χ^2/NDF: 15.8/25



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.582+/-0.012 χ^2/NDF:151069.0/8

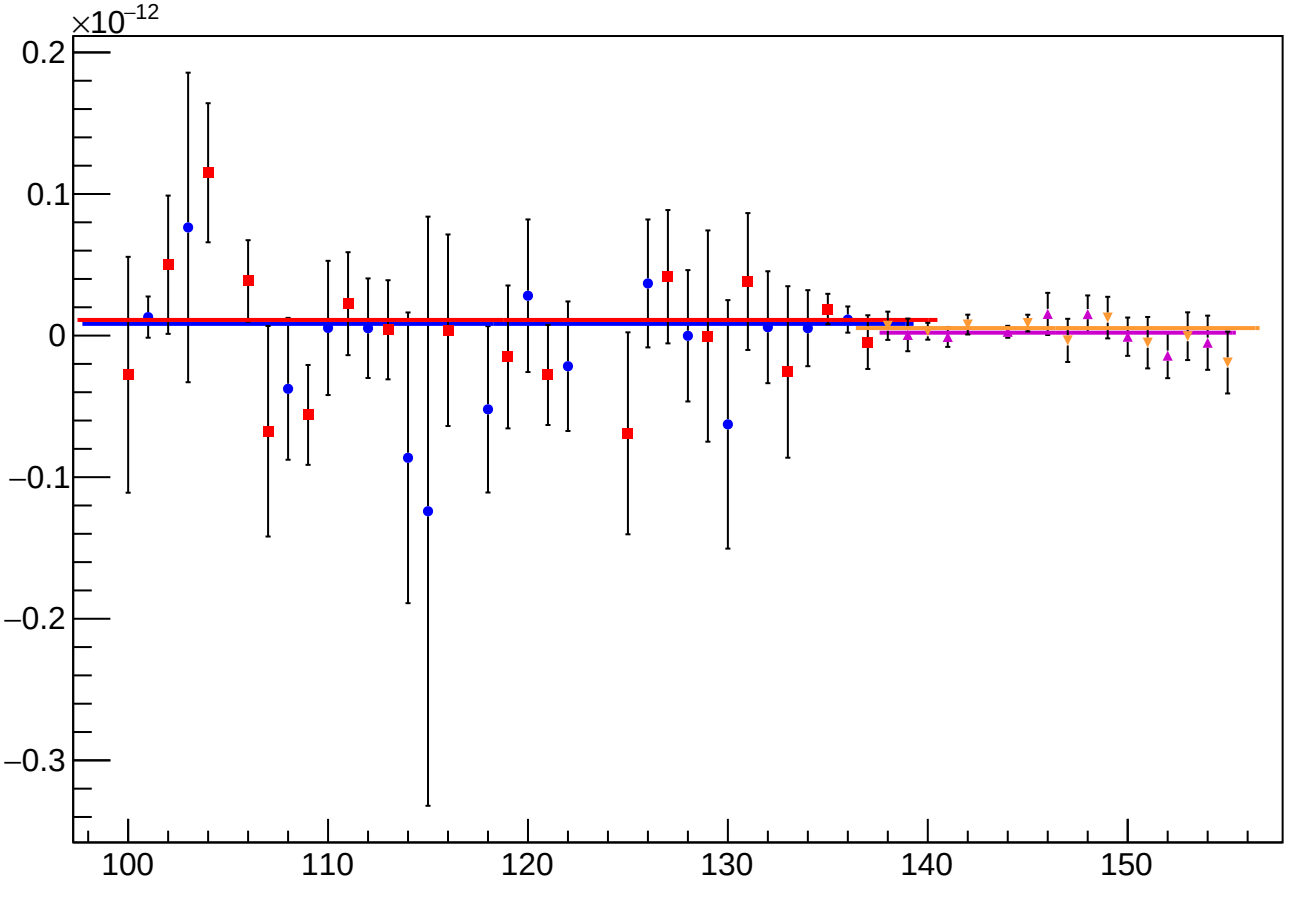
Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 43.659+/-0.013 χ^2/NDF:195814.5/7

+ sign 45.334+/-0.009 χ^2/NDF: 2050964.5/24

All: 45.297+/-0.007 χ^2/NDF: 4704998.7/50

- sign 45.258+/-0.010 χ^2/NDF: 2654002.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/8

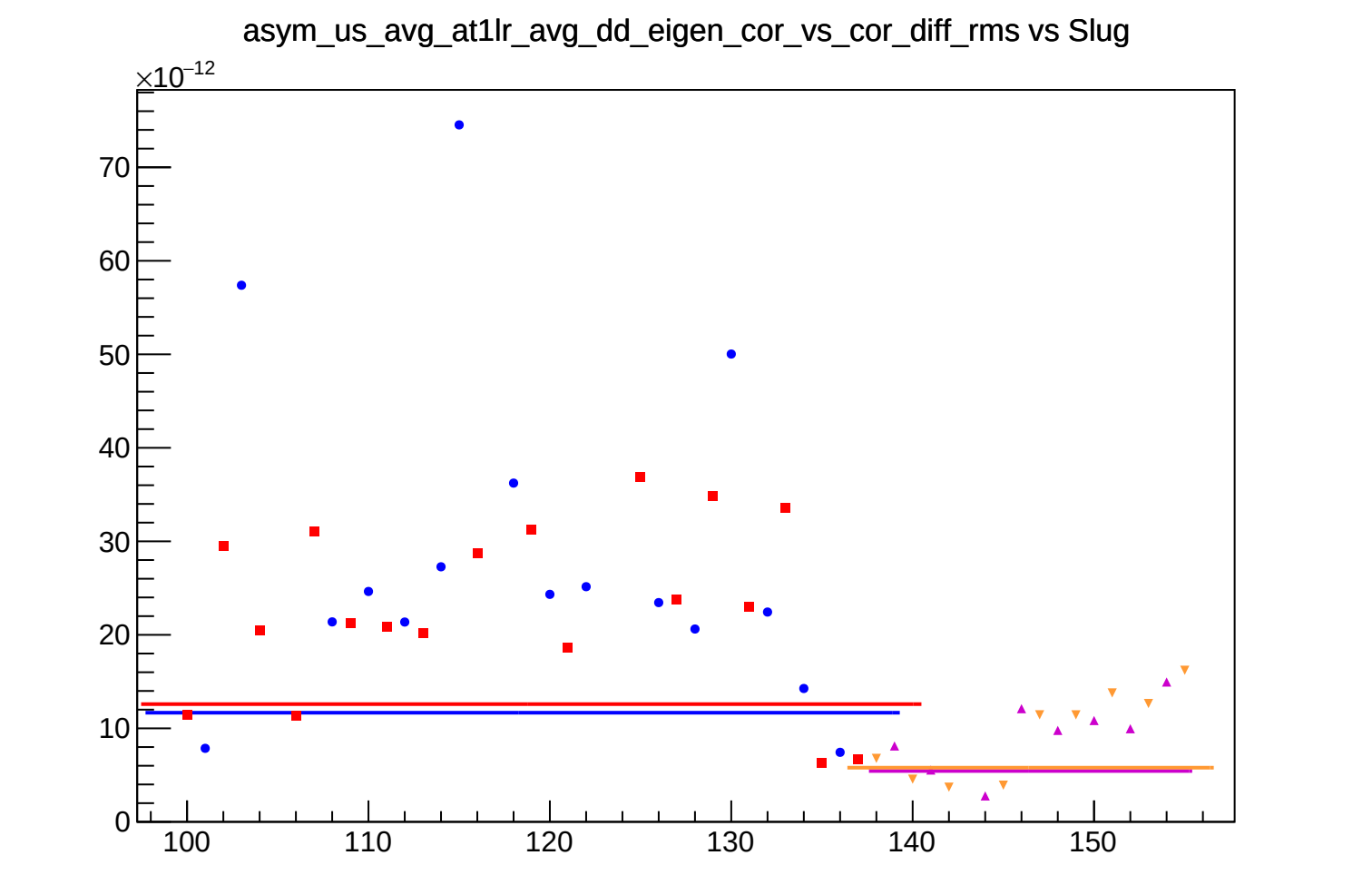
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:3.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 8.5/24

All: 0.000+/-0.000 χ^2/NDF: 29.6/50

- sign 0.000+/-0.000 χ^2/NDF: 20.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2228907.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

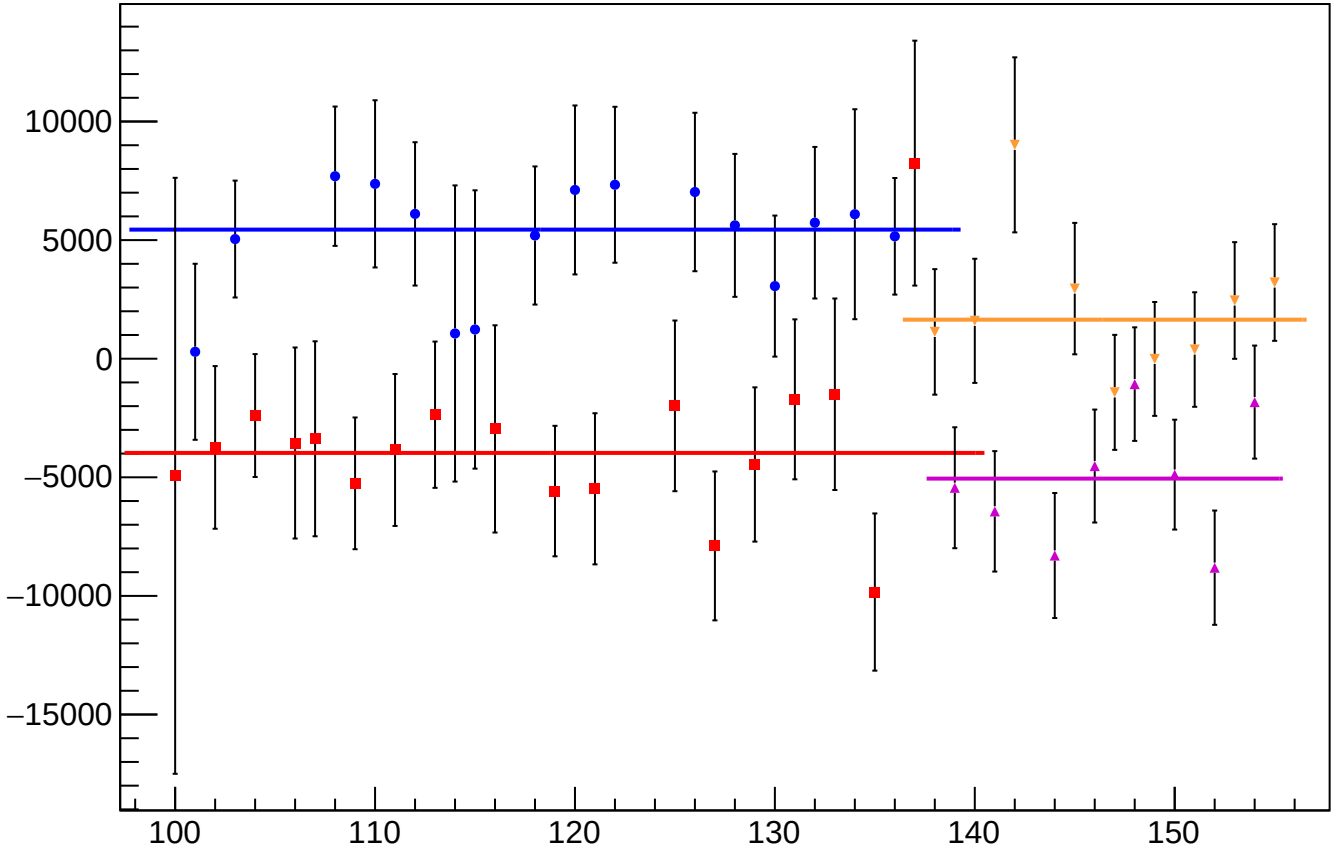
Left In: 0.000+/-0.000 χ^2/NDF:2504313.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 6414684.3/24

All: 0.000+/-0.000 χ^2/NDF: 13514225.0/50

- sign 0.000+/-0.000 χ^2/NDF: 7087908.2/25

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1645.218+/-864.319 χ^2/NDF:7.1/8

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

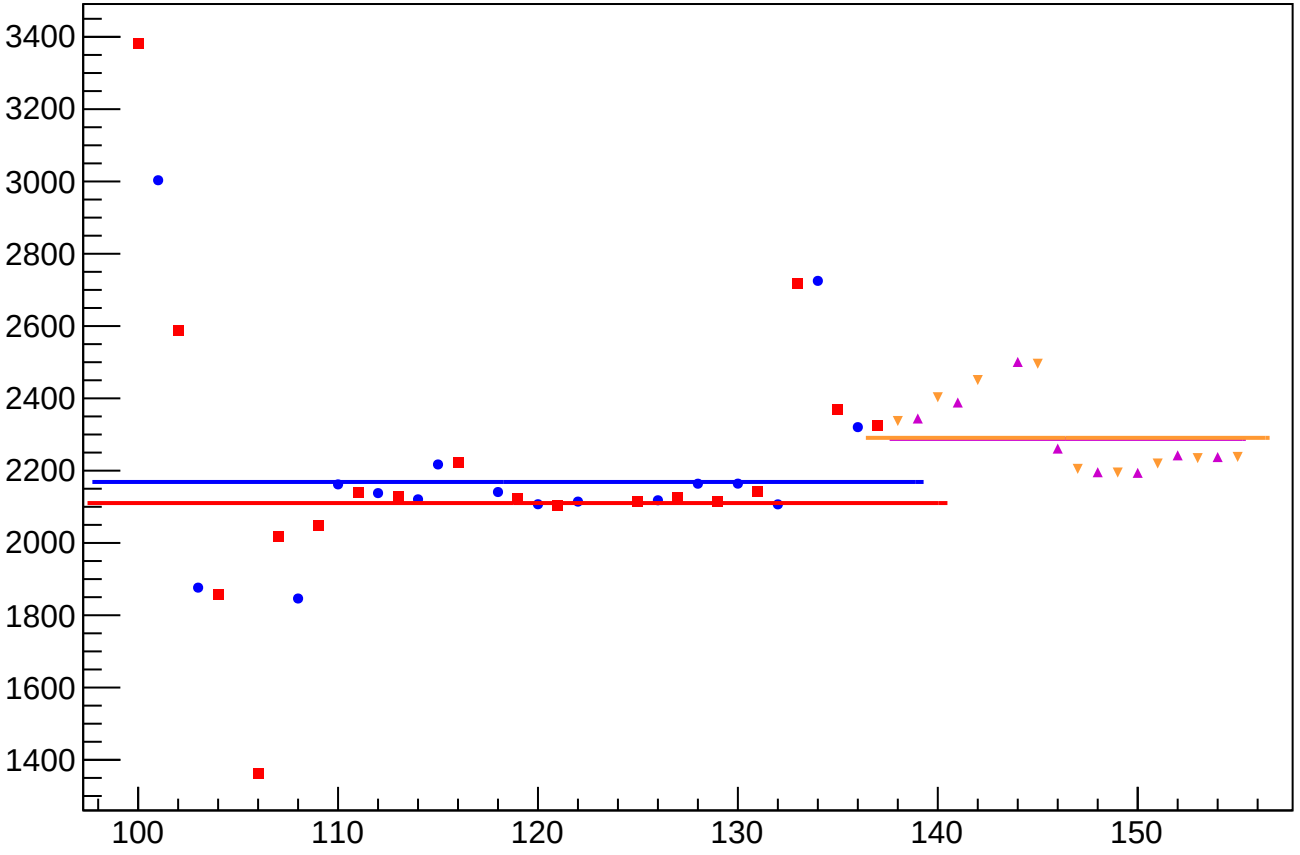
Left In: -5054.634+/-864.297 χ^2/NDF:8.9/7

+ sign 3660.930+/-592.009 χ^2/NDF: 22.7/24

All: -417.679+/-418.129 χ^2/NDF: 140.2/50

- sign -4477.449+/-590.640 χ^2/NDF: 22.7/25

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2290.760+/-0.611 χ^2/NDF:28405.5/8

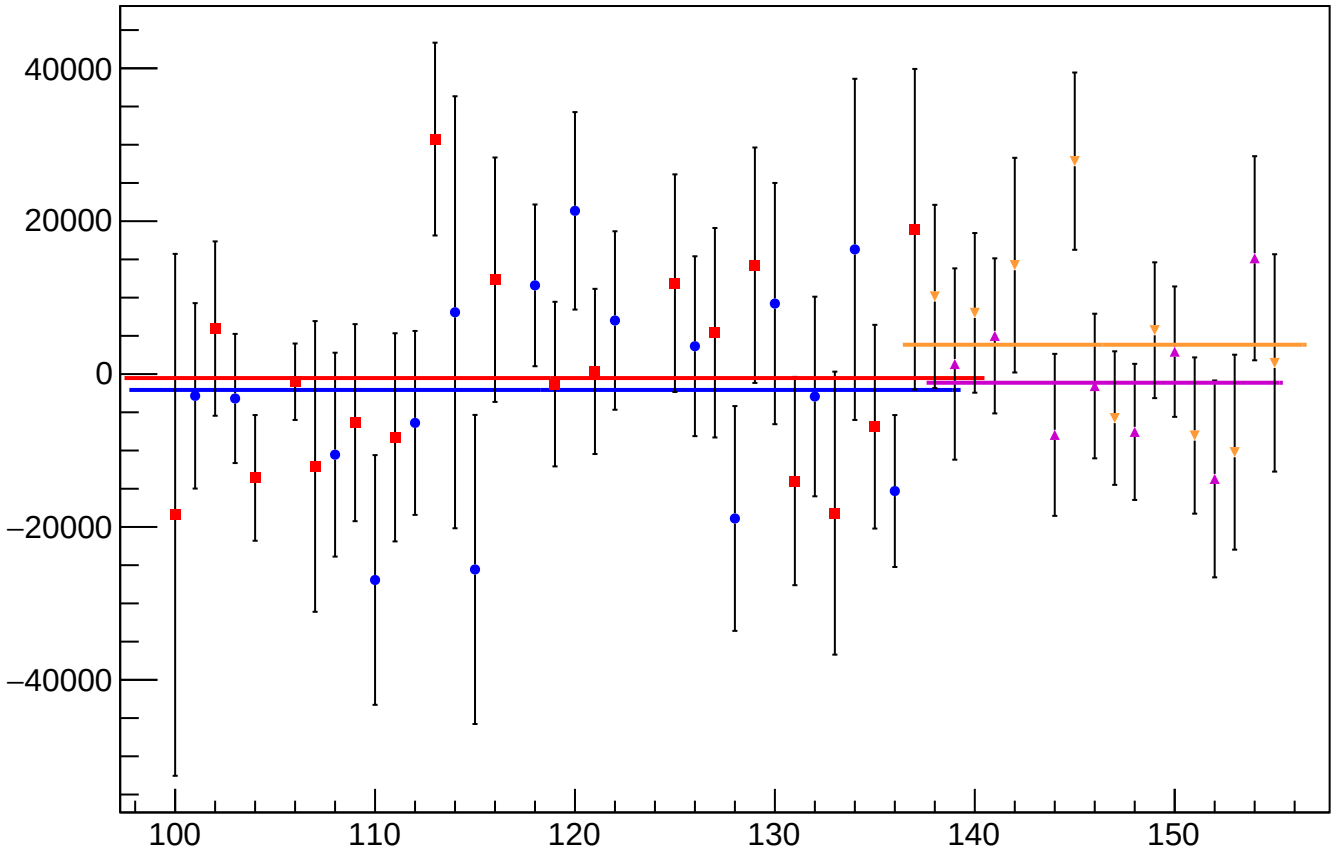
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2287.849+/-0.611 χ^2/NDF:25279.8/7

+ sign 2225.972+/-0.419 χ^2/NDF: 245233.5/24

All: 2208.719+/-0.294 χ^2/NDF: 586910.8/50

- sign 2191.838+/-0.414 χ^2/NDF: 338316.5/25



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 3838.044+/-3649.369 χ^2/NDF:9.1/8

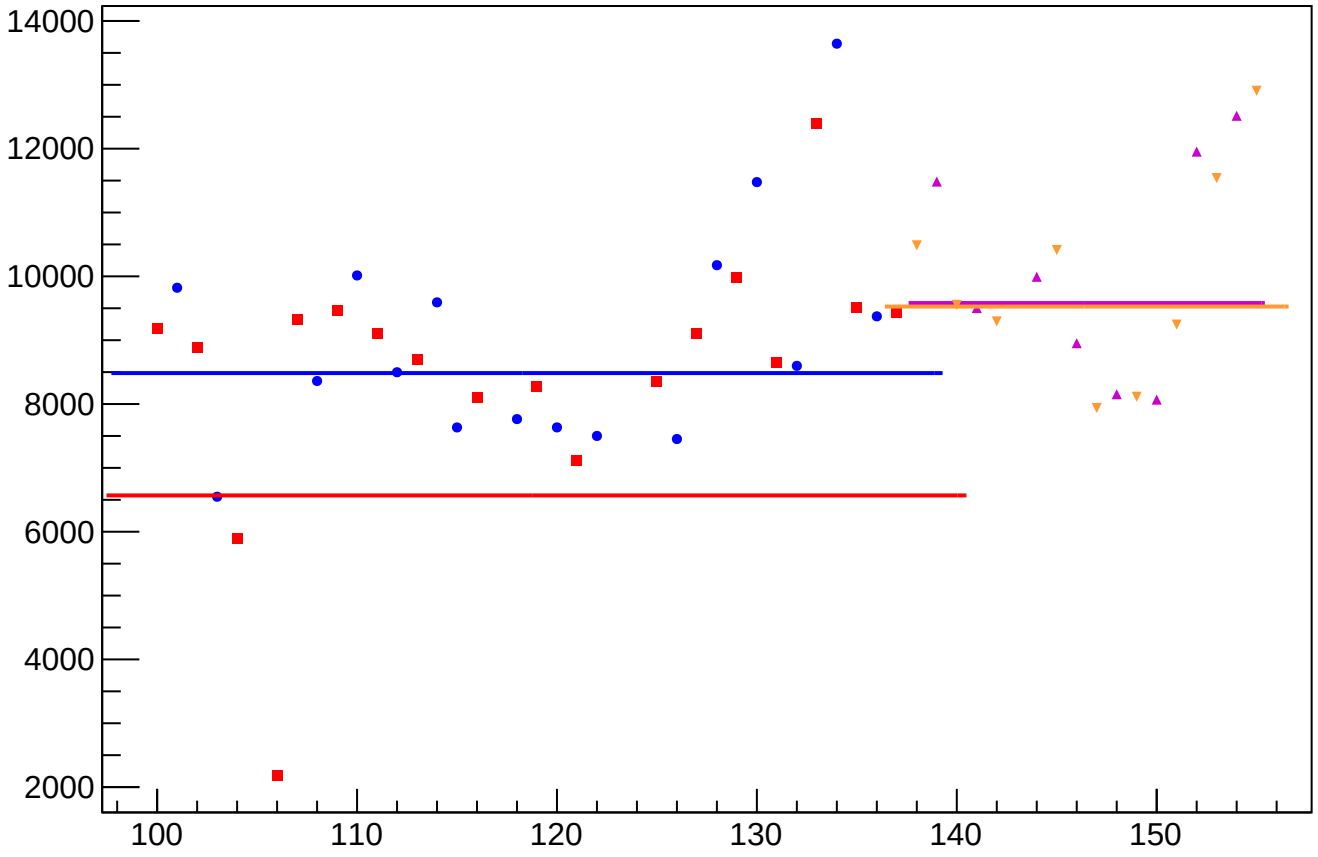
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -1133.786+/-3671.326 χ^2/NDF:4.0/7

+ sign 506.301+/-2411.149 χ^2/NDF: 25.0/24

All: -177.421+/-1618.376 χ^2/NDF: 44.9/50

- sign -737.997+/-2183.242 χ^2/NDF: 19.7/25



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9526.801+/-2.580 χ^2/NDF:306136.4/8

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

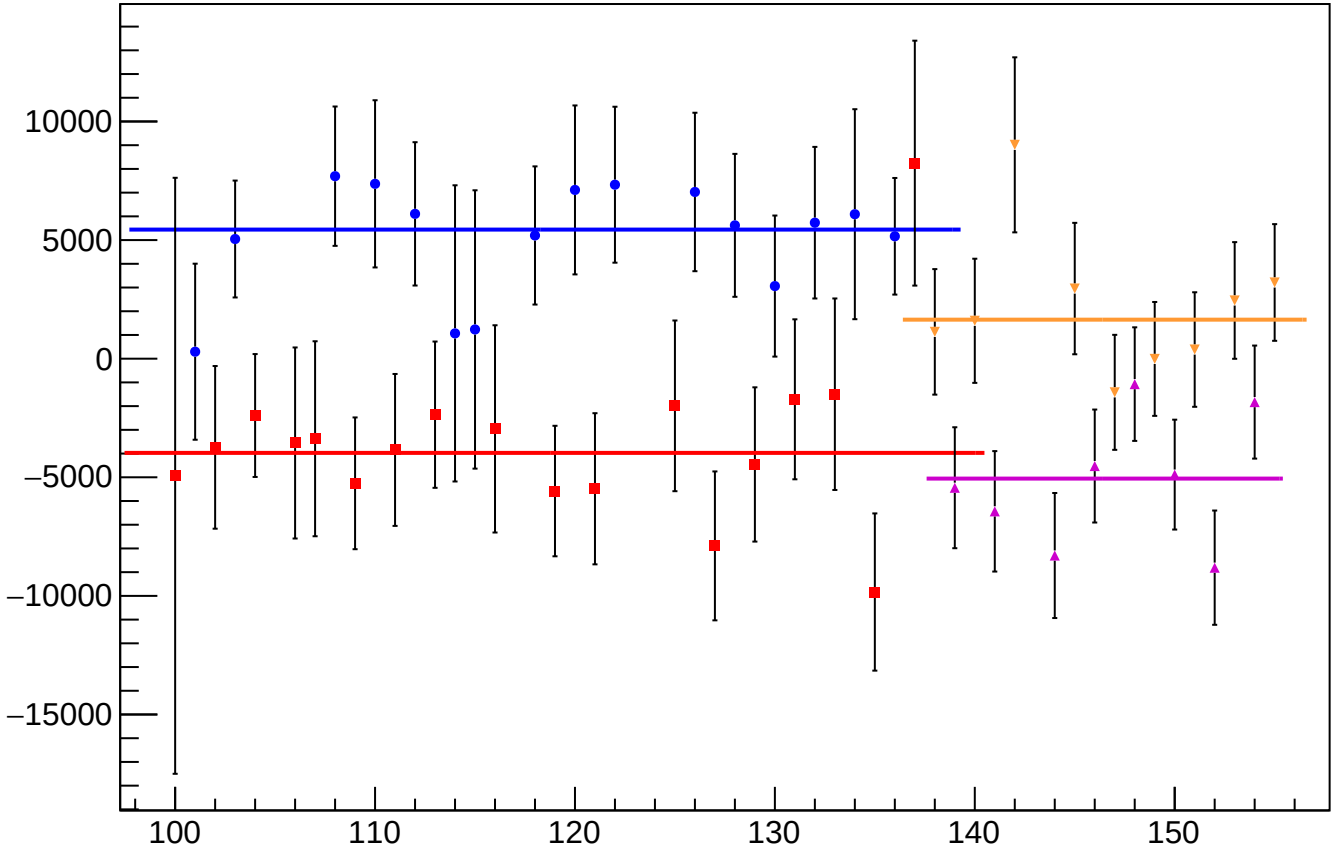
Left In: 9581.888+/-2.596 χ^2/NDF:336968.7/7

+ sign 8939.776+/-1.705 χ^2/NDF: 820683.4/24

All: 8222.428+/-1.144 χ^2/NDF: 4919492.7/50

- sign 7634.282+/-1.544 χ^2/NDF: 3776638.6/25

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1645.152+/-864.319 χ^2/NDF:7.1/8

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

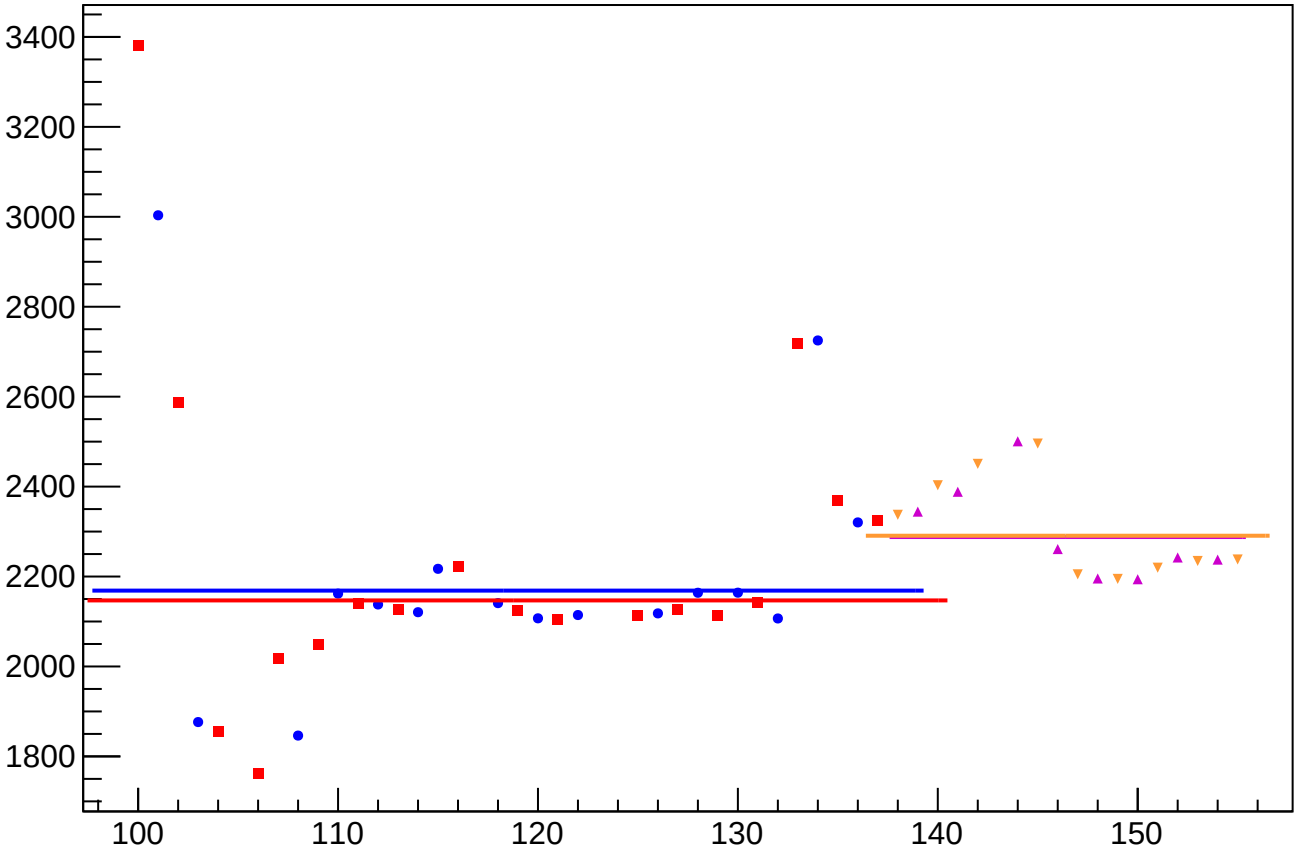
Left In: -5054.920+/-864.297 χ^2/NDF:8.9/7

+ sign 3660.974+/-592.009 χ^2/NDF: 22.7/24

All: -417.655+/-418.129 χ^2/NDF: 140.2/50

- sign -4477.445+/-590.640 χ^2/NDF: 22.7/25

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2290.760+/-0.611 χ^2/NDF:28405.5/8

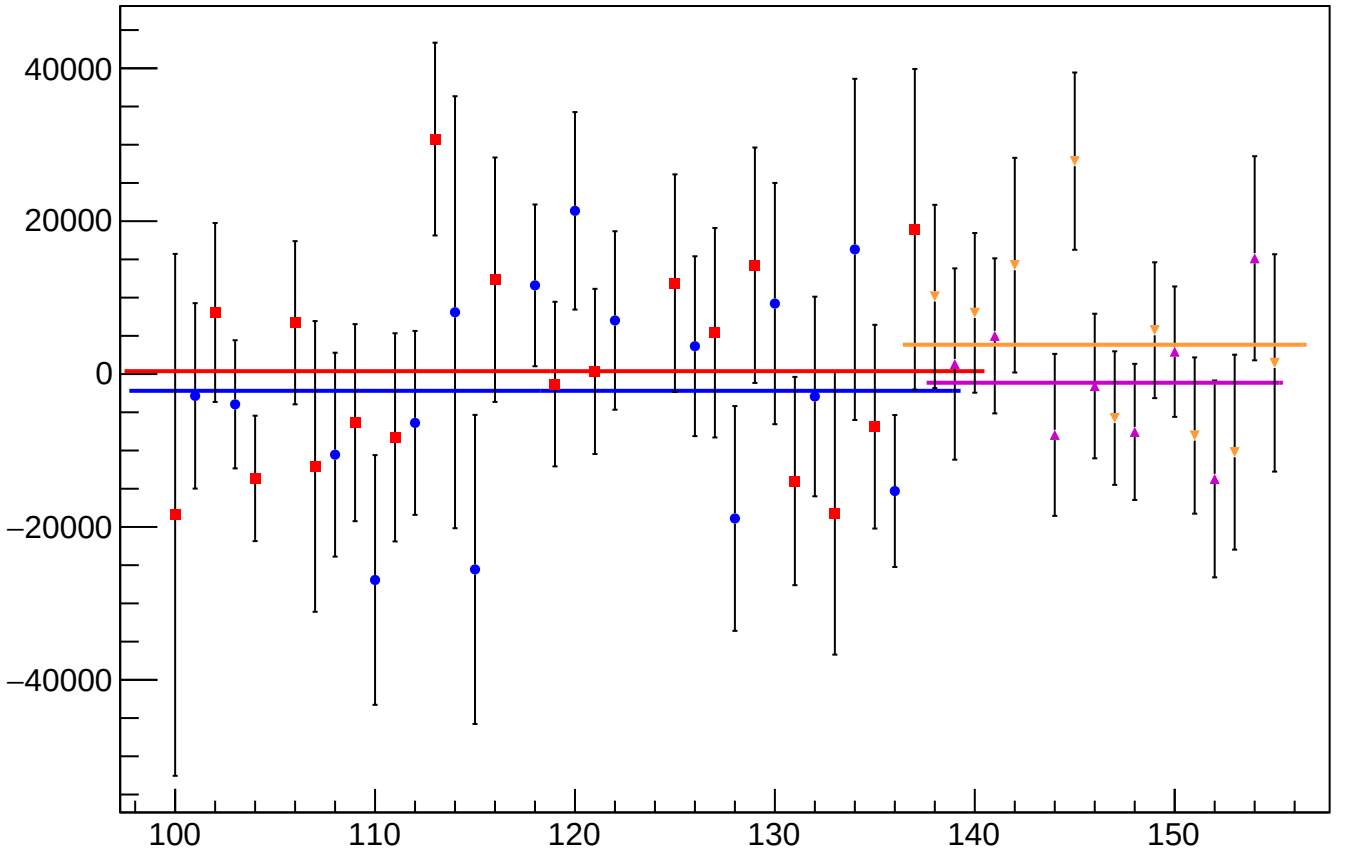
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2287.849+/-0.611 χ^2/NDF:25279.8/7

\+ sign 2225.972+/-0.419 χ^2/NDF: 245233.9/24

All: 2219.136+/-0.295 χ^2/NDF: 457281.7/50

\- sign 2212.368+/-0.417 χ^2/NDF: 211517.1/25



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 3838.054+/-3649.366 χ^2/NDF:9.1/8

Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

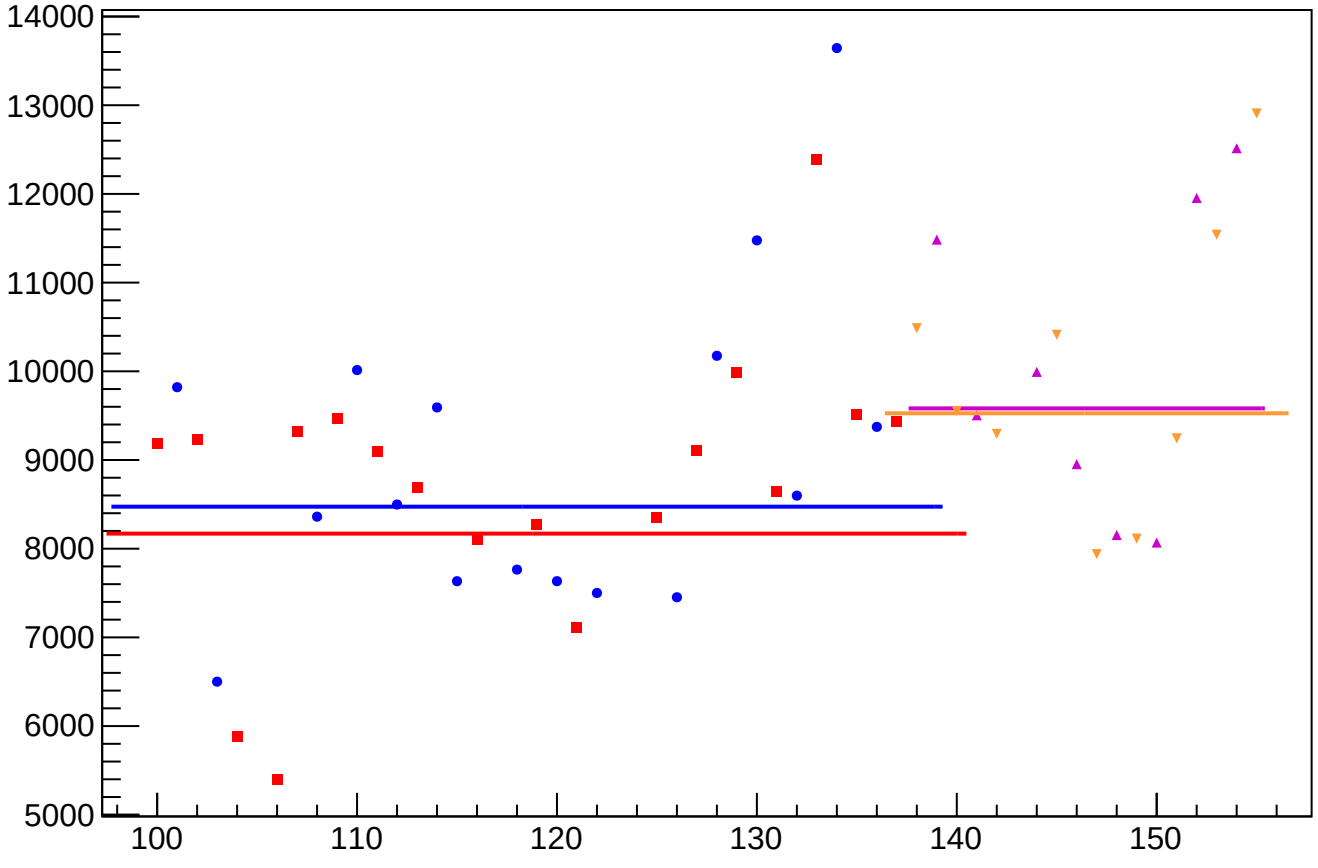
Left In: -1134.036+/-3671.324 χ^2/NDF:4.0/7

+ sign 438.543+/-2409.638 χ^2/NDF: 25.1/24

All: 88.040+/-1689.155 χ^2/NDF: 45.6/50

- sign -250.610+/-2368.545 χ^2/NDF: 20.4/25

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9526.793+/-2.580 χ^2/NDF:306140.4/8

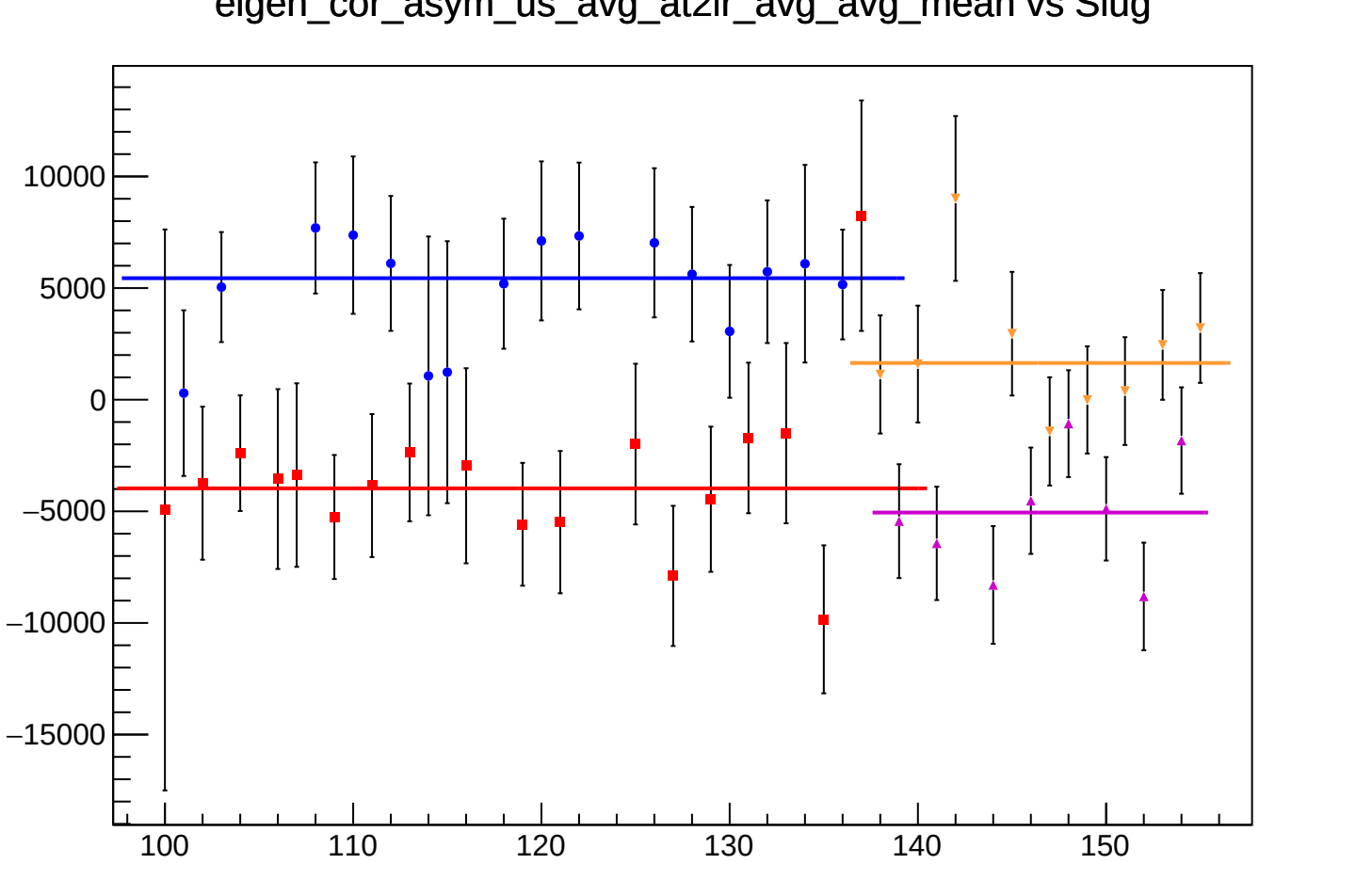
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9581.882+/-2.596 χ^2/NDF:336970.2/7

+ sign 8932.854+/-1.704 χ^2/NDF: 829613.7/24

All: 8843.751+/-1.194 χ^2/NDF: 1884556.7/50

- sign 8757.662+/-1.675 χ^2/NDF: 1049566.2/25



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1645.152+/-864.319 χ^2/NDF:7.1/8

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

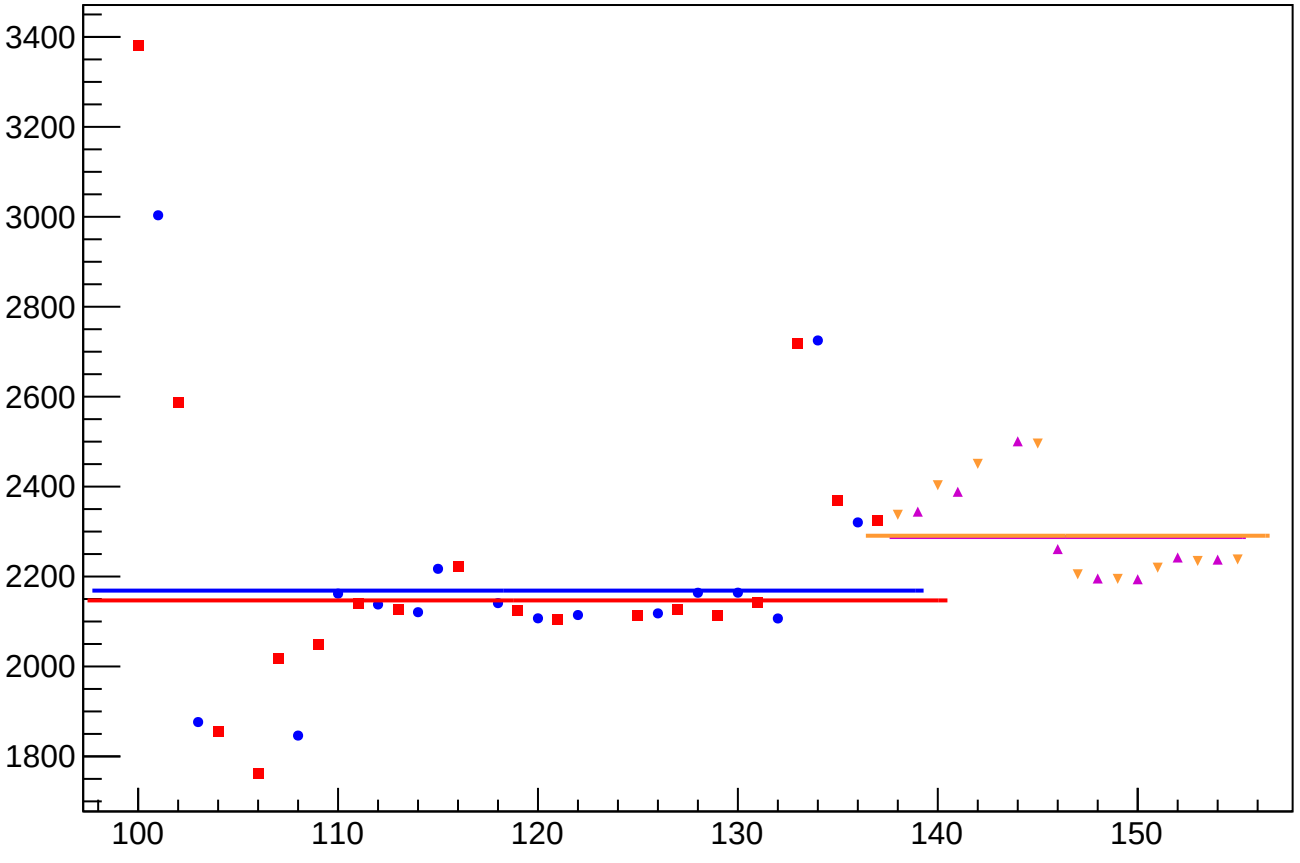
Left In: -5054.920+/-864.297 χ^2/NDF:8.9/7

+ sign 3660.974+/-592.009 χ^2/NDF: 22.7/24

All: -417.655+/-418.129 χ^2/NDF: 140.2/50

- sign -4477.445+/-590.640 χ^2/NDF: 22.7/25

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: 2290.760+/-0.611 χ^2/NDF:28405.5/8

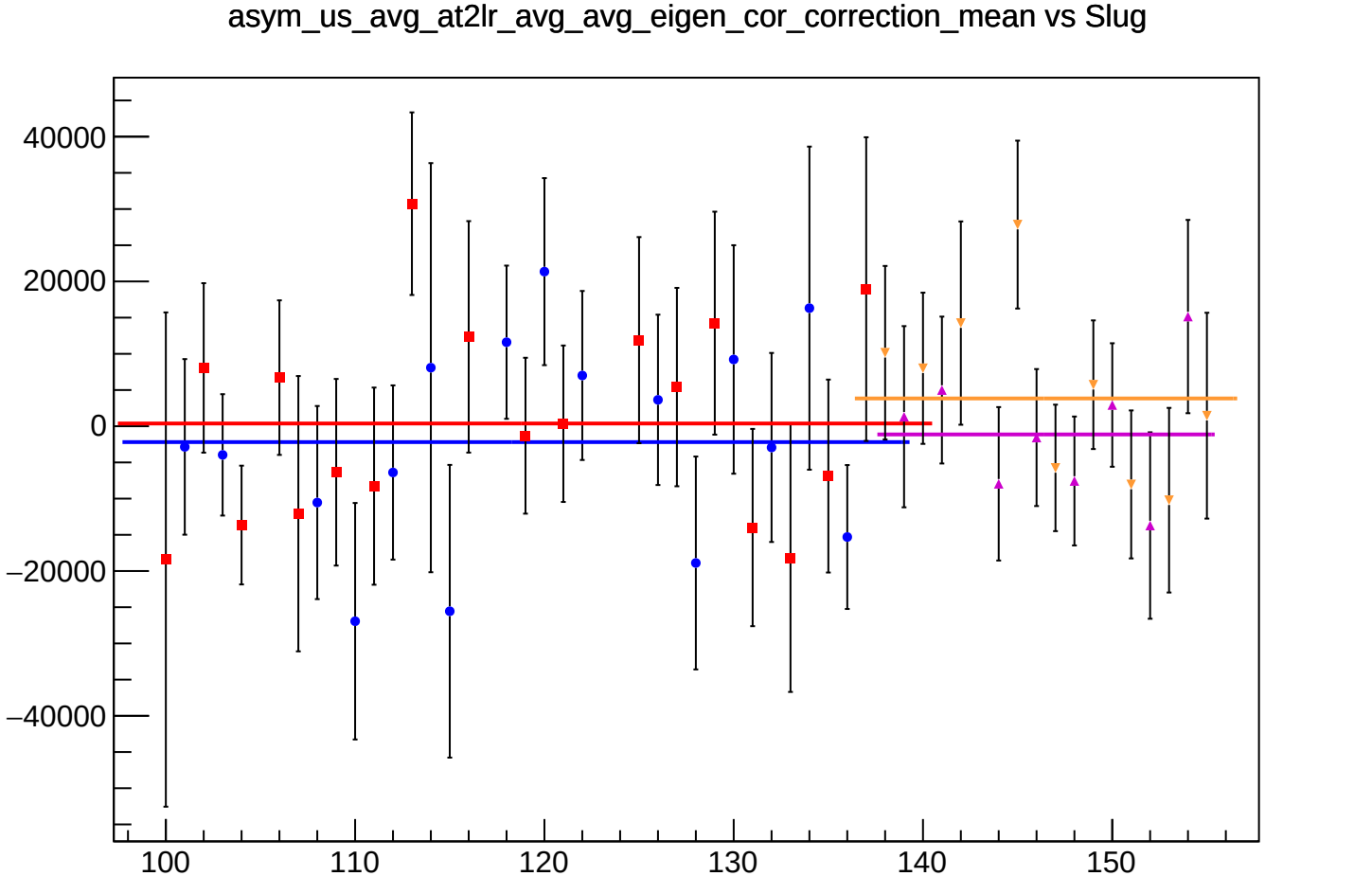
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

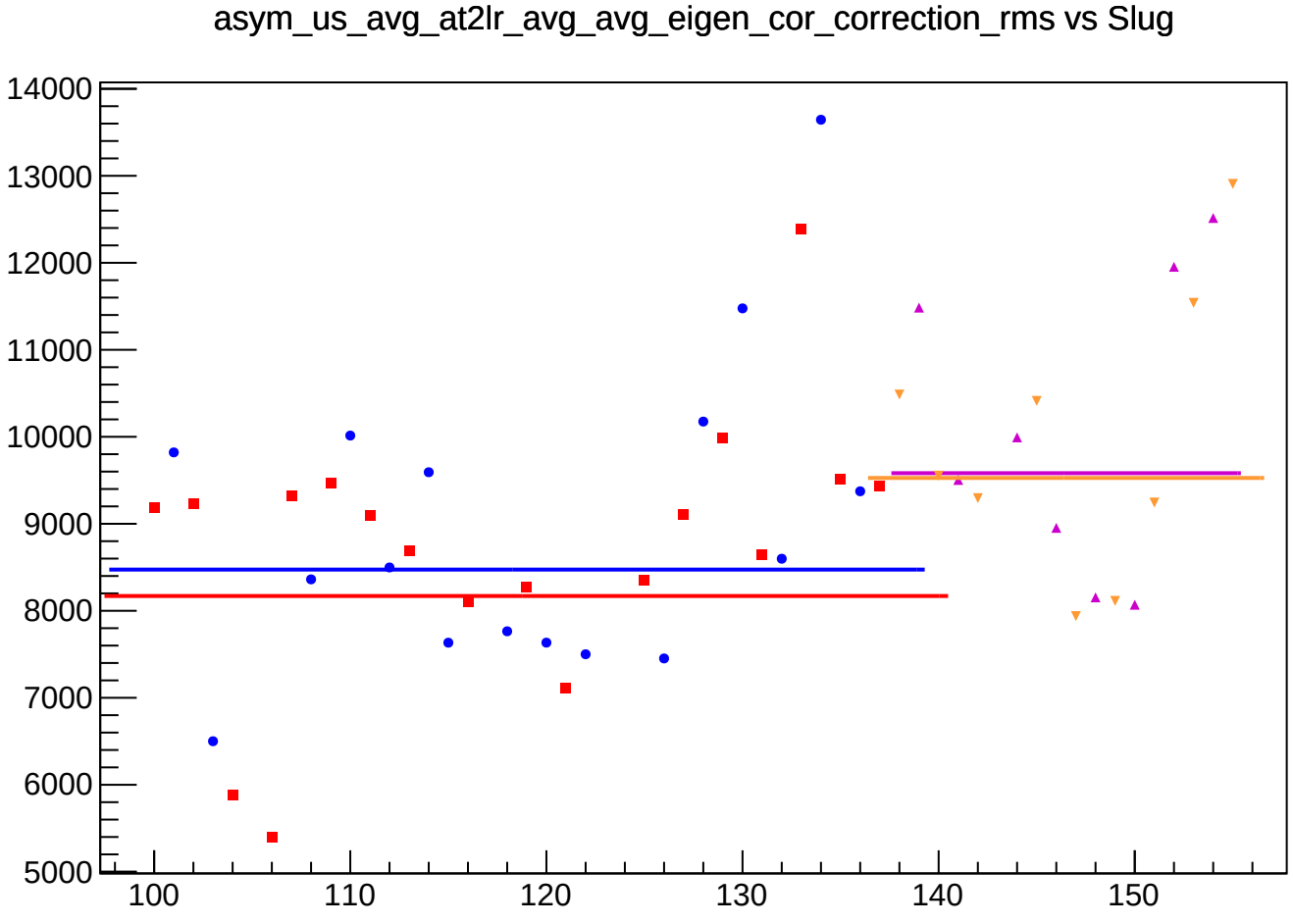
Left In: 2287.849+/-0.611 χ^2/NDF:25279.8/7

+ sign 2225.972+/-0.419 χ^2/NDF: 245233.9/24

All: 2219.136+/-0.295 χ^2/NDF: 457281.7/50

- sign 2212.368+/-0.417 χ^2/NDF: 211517.1/25


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: 3838.054+/-3649.366 χ²/NDF:9.1/8
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -1134.036+/-3671.324 χ²/NDF:4.0/7
+ sign 438.543+/-2409.638 χ²/NDF: 25.1/24
All: 88.040+/-1689.155 χ²/NDF: 45.6/50
- sign -250.610+/-2368.545 χ²/NDF: 20.4/25



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9526.793+/-2.580 χ^2/NDF:306140.4/8

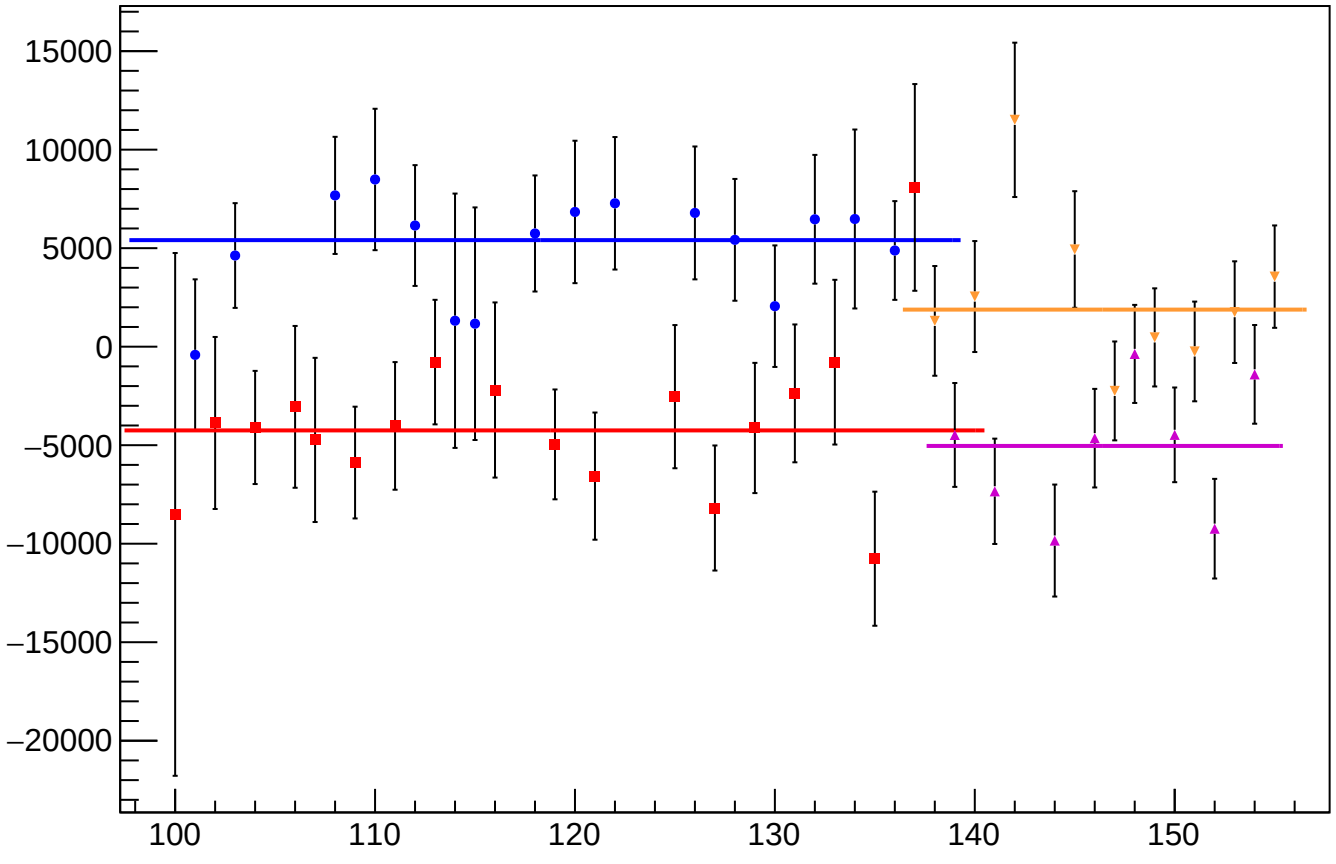
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9581.882+/-2.596 χ^2/NDF:336970.2/7

+ sign 8932.854+/-1.704 χ^2/NDF: 829613.7/24

All: 8843.751+/-1.194 χ^2/NDF: 1884556.7/50

- sign 8757.662+/-1.675 χ^2/NDF: 1049566.2/25



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1881.606+/-909.506 χ^2/NDF:11.4/8

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

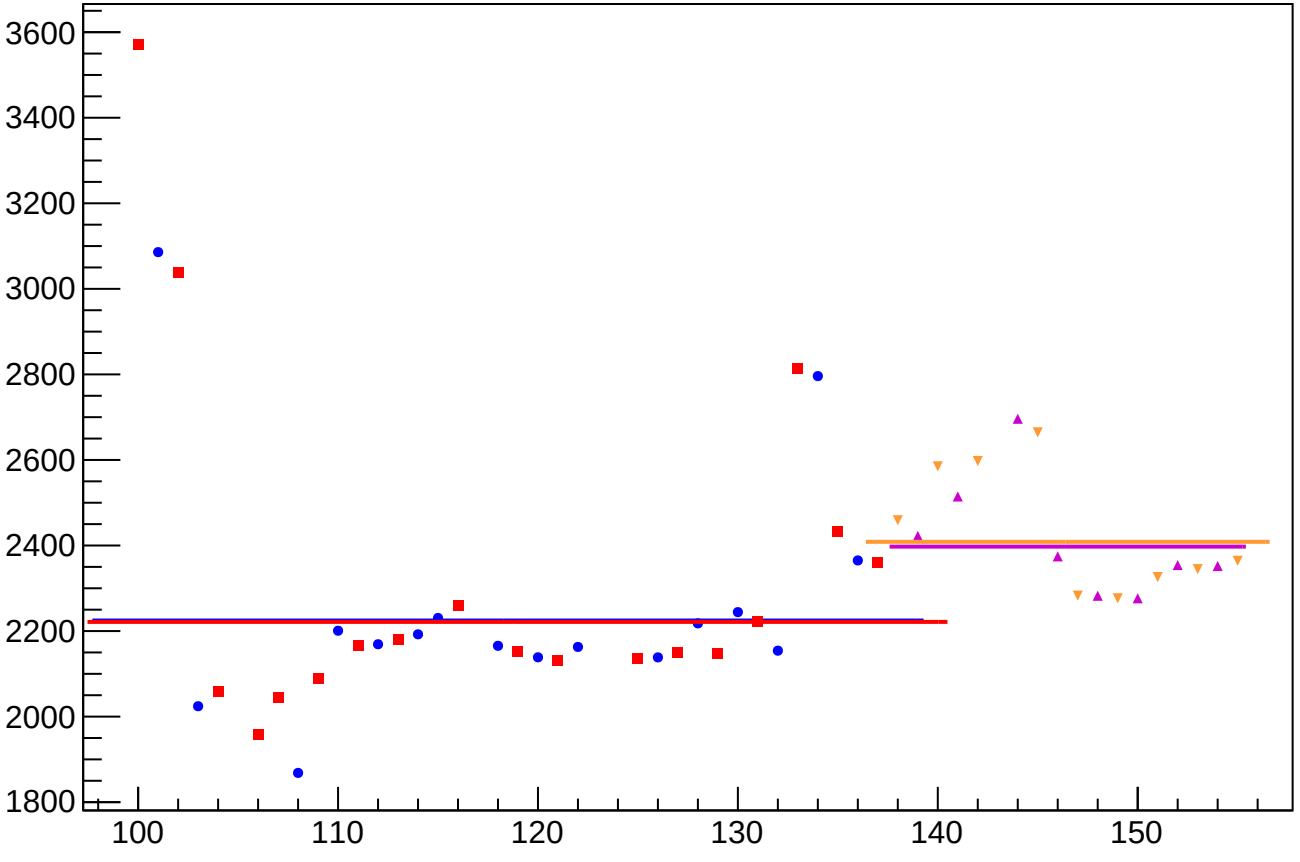
Left In: -5037.777+/-906.190 χ^2/NDF:12.1/7

+ sign 3797.816+/-614.566 χ^2/NDF: 26.2/24

All: -399.643+/-434.992 χ^2/NDF: 146.7/50

- sign -4613.706+/-615.780 χ^2/NDF: 27.0/25

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2408.616+/-0.643 χ^2/NDF:42690.9/8

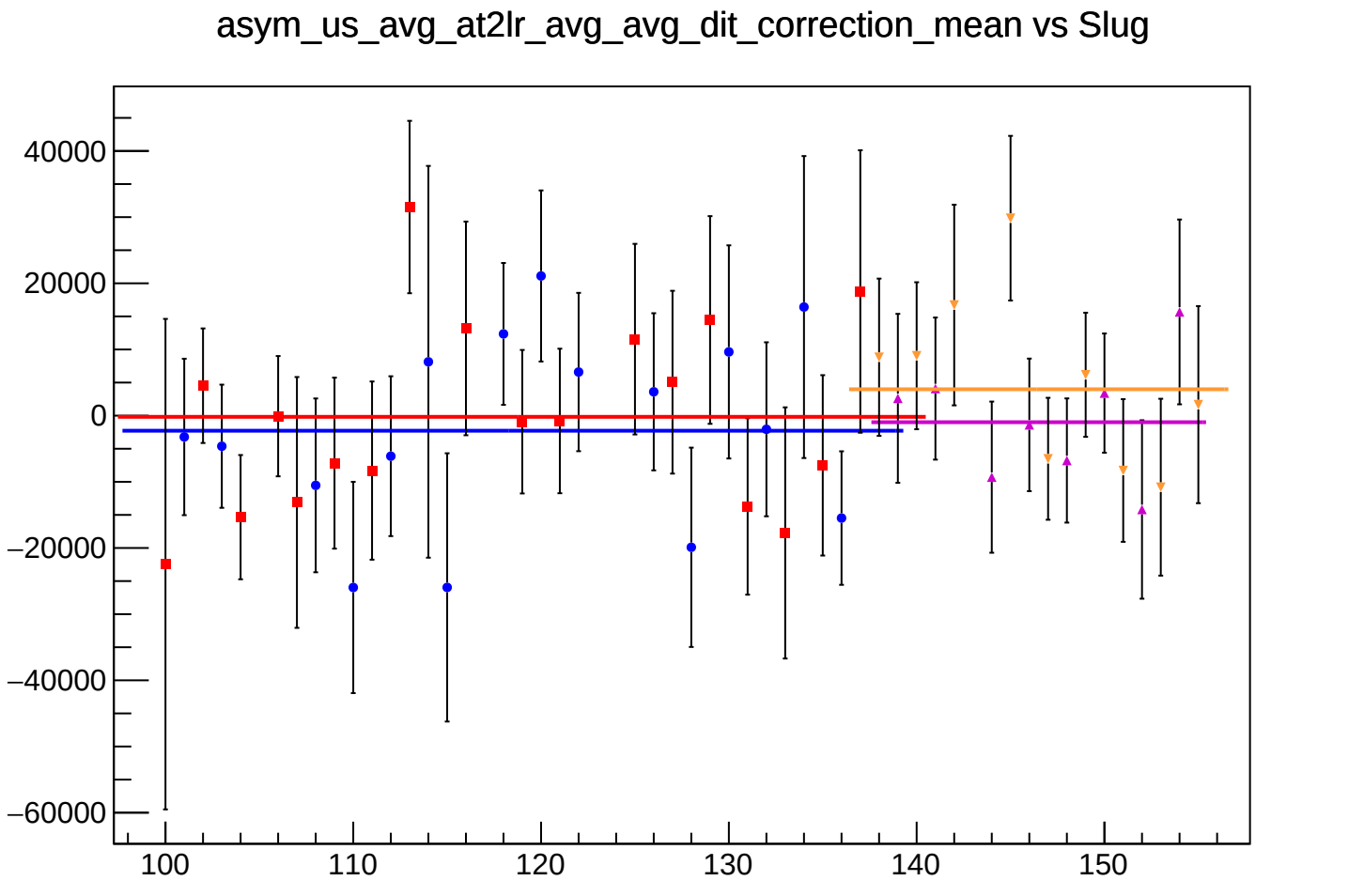
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2397.377+/-0.641 χ^2/NDF:36870.1/7

\+ sign 2308.627+/-0.435 χ^2/NDF: 271853.5/24

All: 2305.628+/-0.308 χ^2/NDF: 519370.9/50

\- sign 2302.618+/-0.435 χ^2/NDF: 247422.0/25



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 3987.051+/-3838.729 χ^2/NDF:9.3/8

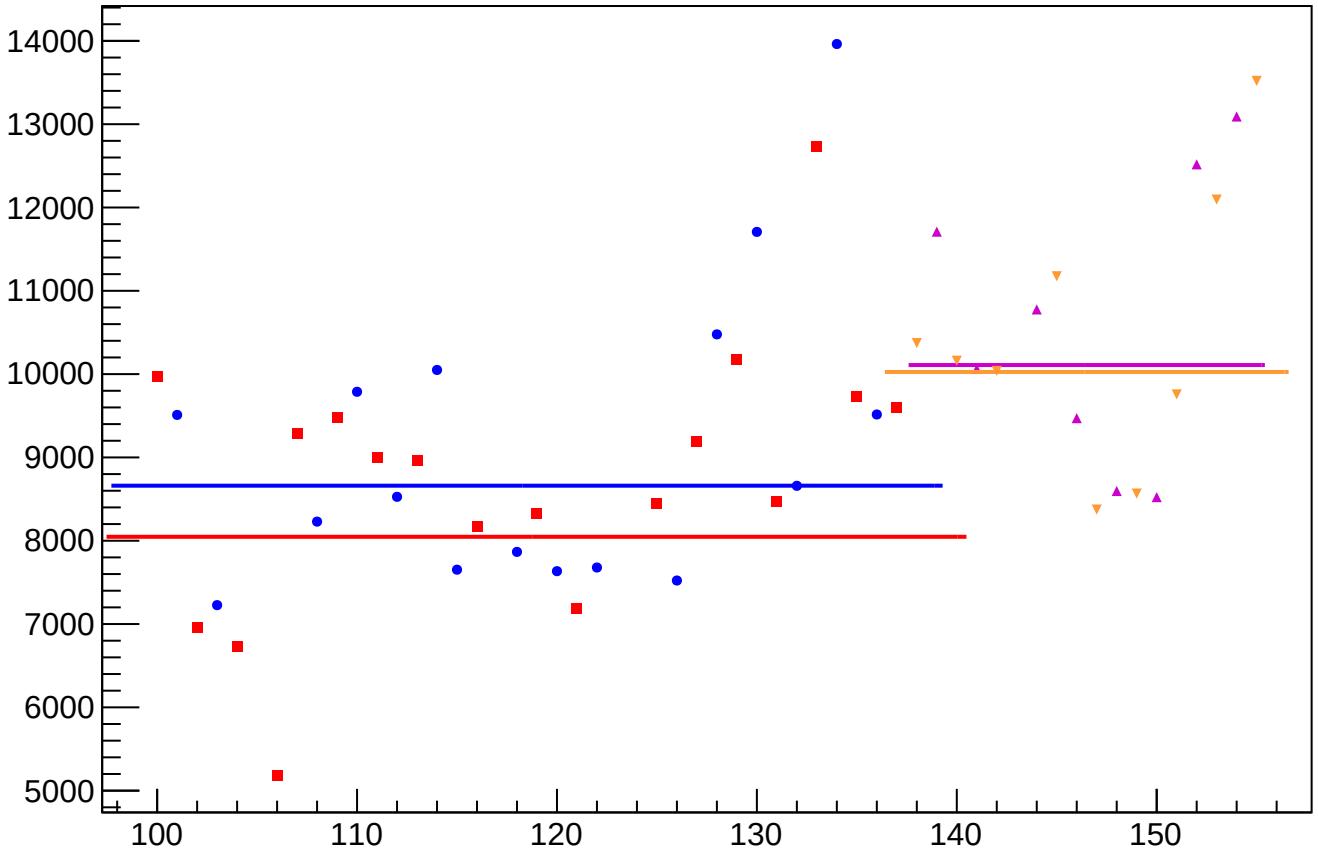
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -991.953+/-3870.653 χ^2/NDF:3.8/7

+ sign 357.861+/-2490.046 χ^2/NDF: 25.3/24

All: -82.323+/-1723.711 χ^2/NDF: 44.9/50

- sign -487.342+/-2388.515 χ^2/NDF: 19.5/25



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10025.930+/-2.714 χ^2/NDF:291085.9/8

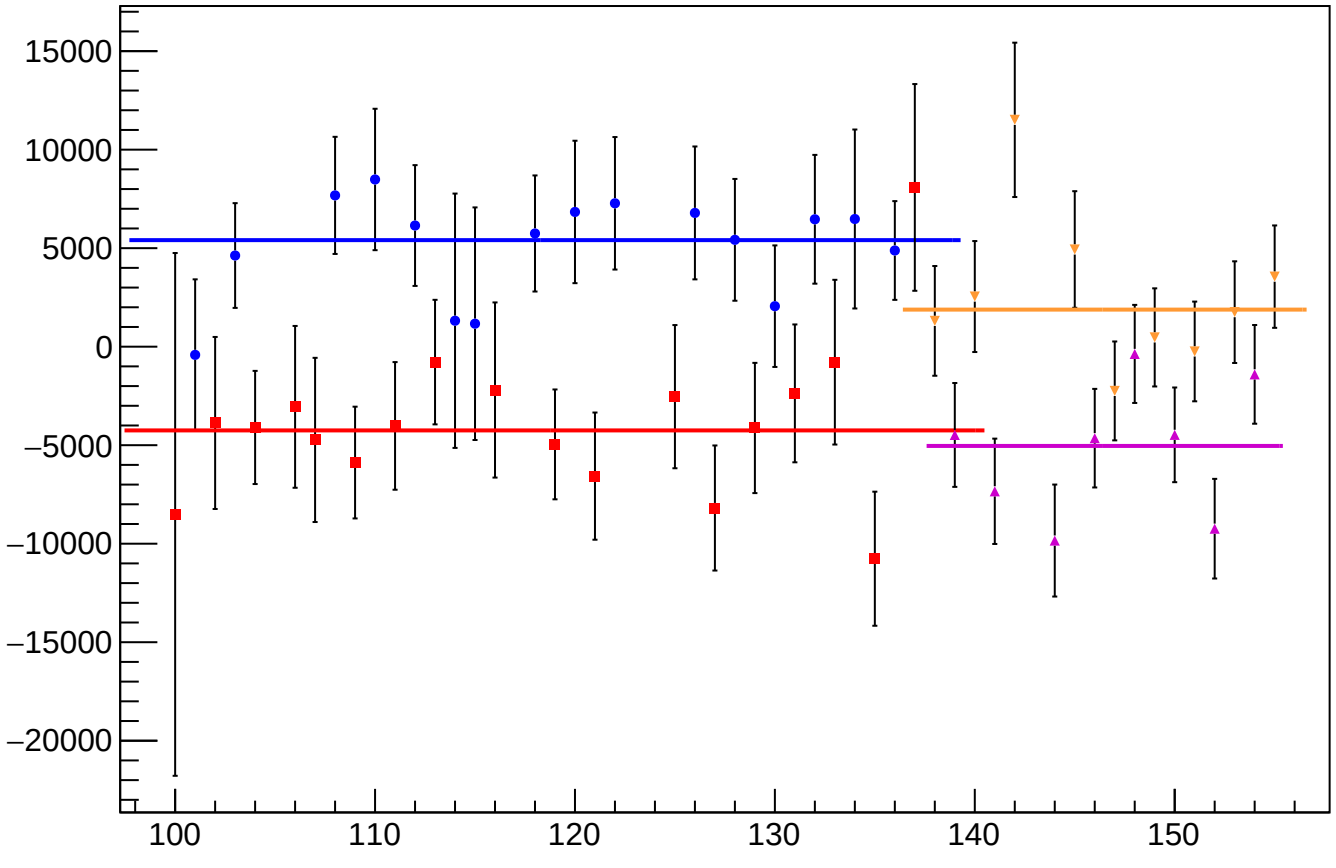
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10109.093+/-2.737 χ^2/NDF:315416.8/7

+ sign 9235.160+/-1.761 χ^2/NDF: 795569.0/24

All: 9025.460+/-1.219 χ^2/NDF: 2048115.8/5

- sign 8832.512+/-1.689 χ^2/NDF: 1225311.1/25



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1881.602+/-909.507 χ^2/NDF:11.4/8

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

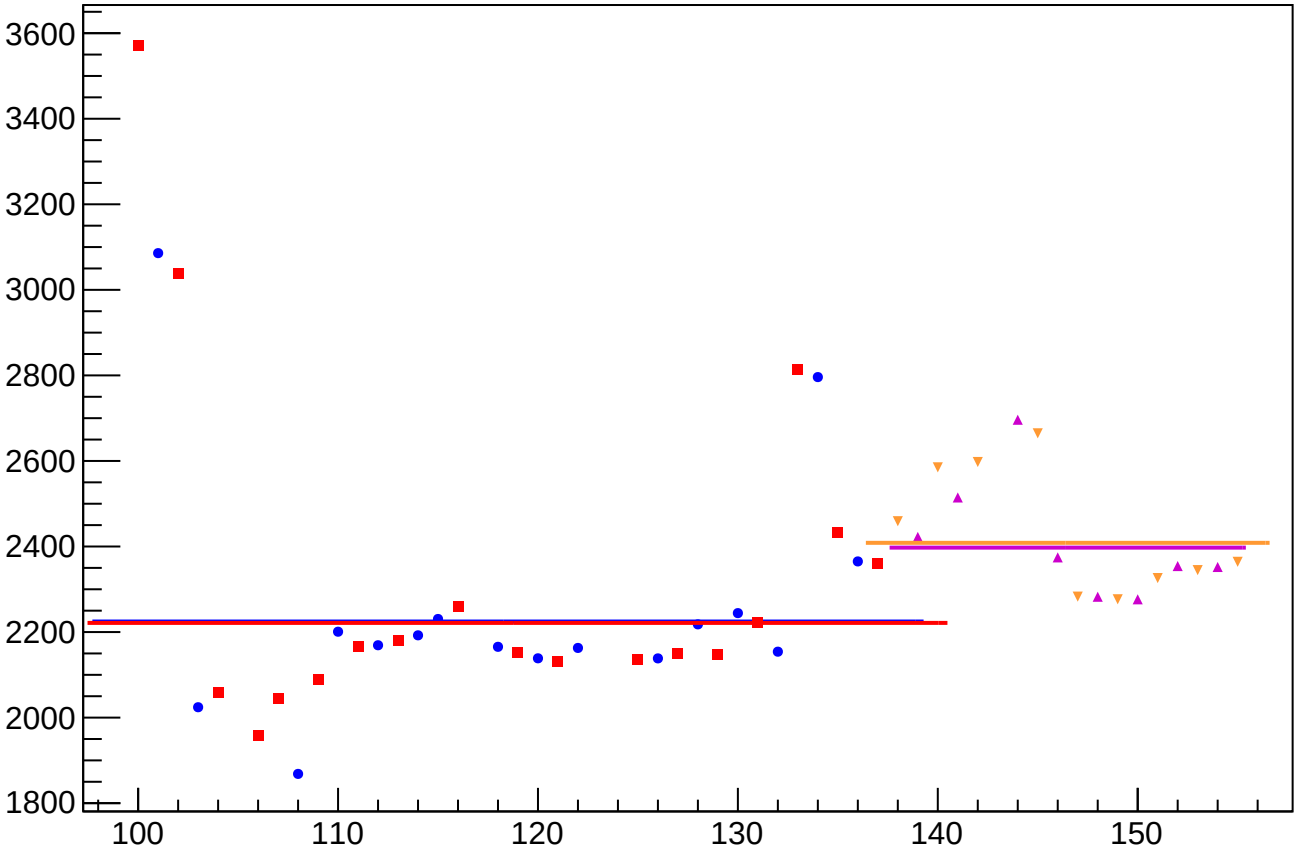
Left In: -5037.773+/-906.191 χ^2/NDF:12.1/7

+ sign 3797.817+/-614.566 χ^2/NDF: 26.2/24

All: -399.642+/-434.992 χ^2/NDF: 146.7/50

- sign -4613.706+/-615.780 χ^2/NDF: 27.0/25

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: 2408.618+/-0.643 χ^2/NDF:42691.4/8

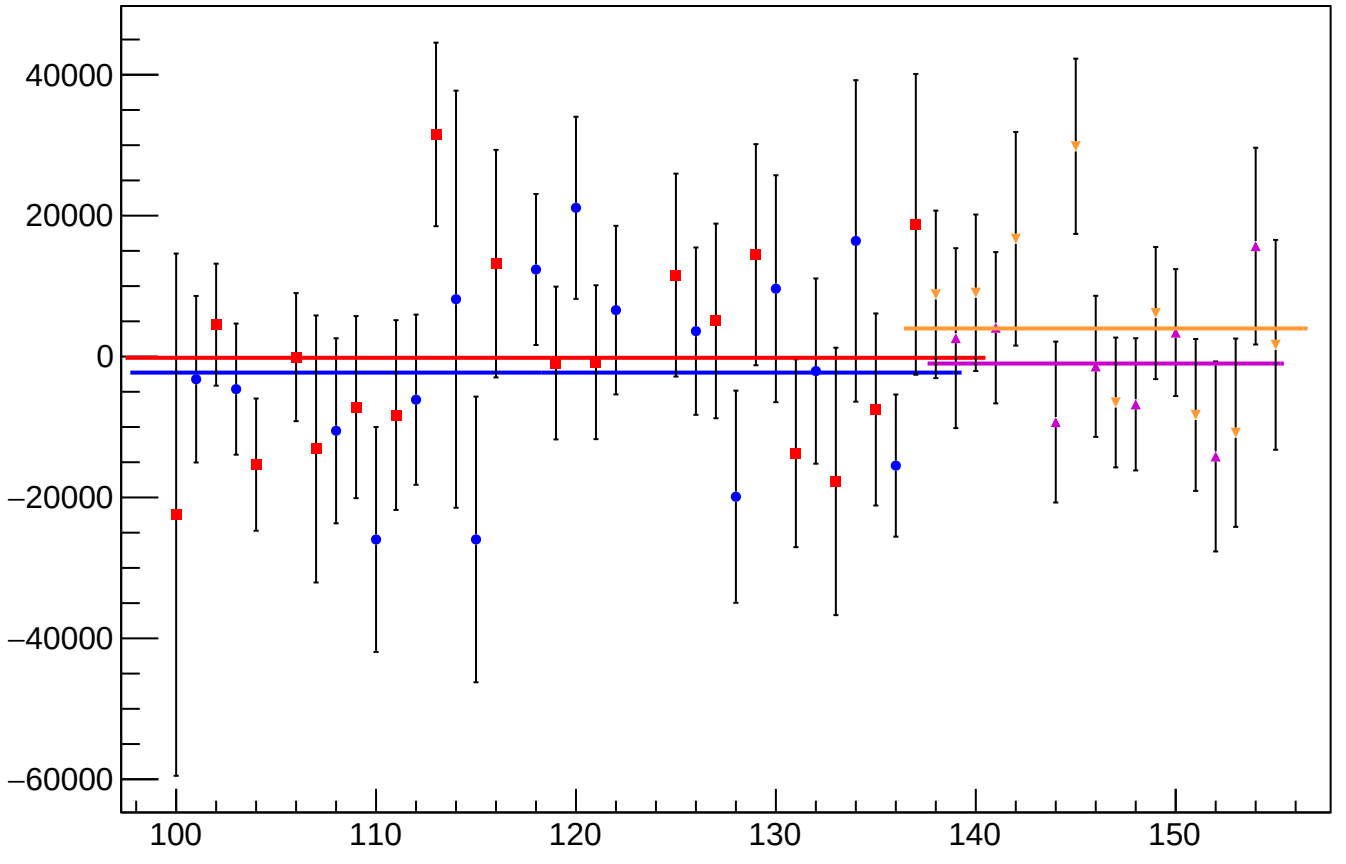
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2397.380+/-0.641 χ^2/NDF:36870.4/7

+ sign 2308.628+/-0.435 χ^2/NDF: 271855.9/24

All: 2305.628+/-0.308 χ^2/NDF: 519375.2/50

- sign 2302.619+/-0.435 χ^2/NDF: 247423.8/25



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 3987.045+/-3838.734 χ^2/NDF:9.3/8

Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

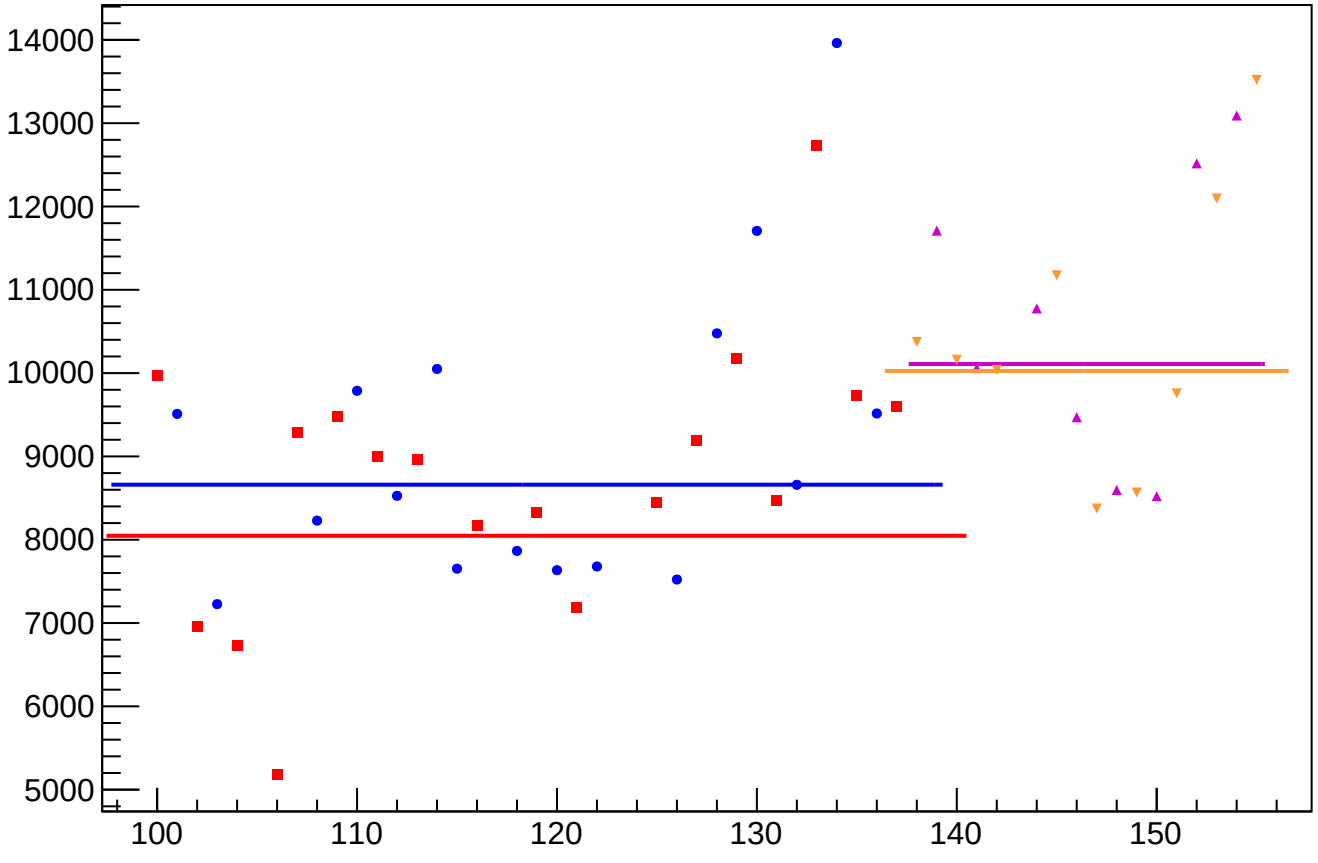
Left In: -991.951+/-3870.659 χ^2/NDF:3.8/7

+ sign 357.860+/-2490.044 χ^2/NDF: 25.3/24

All: -82.324+/-1723.710 χ^2/NDF: 44.9/50

- sign -487.343+/-2388.513 χ^2/NDF: 19.5/25

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10025.943+/-2.714 χ^2/NDF:291087.0/8

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

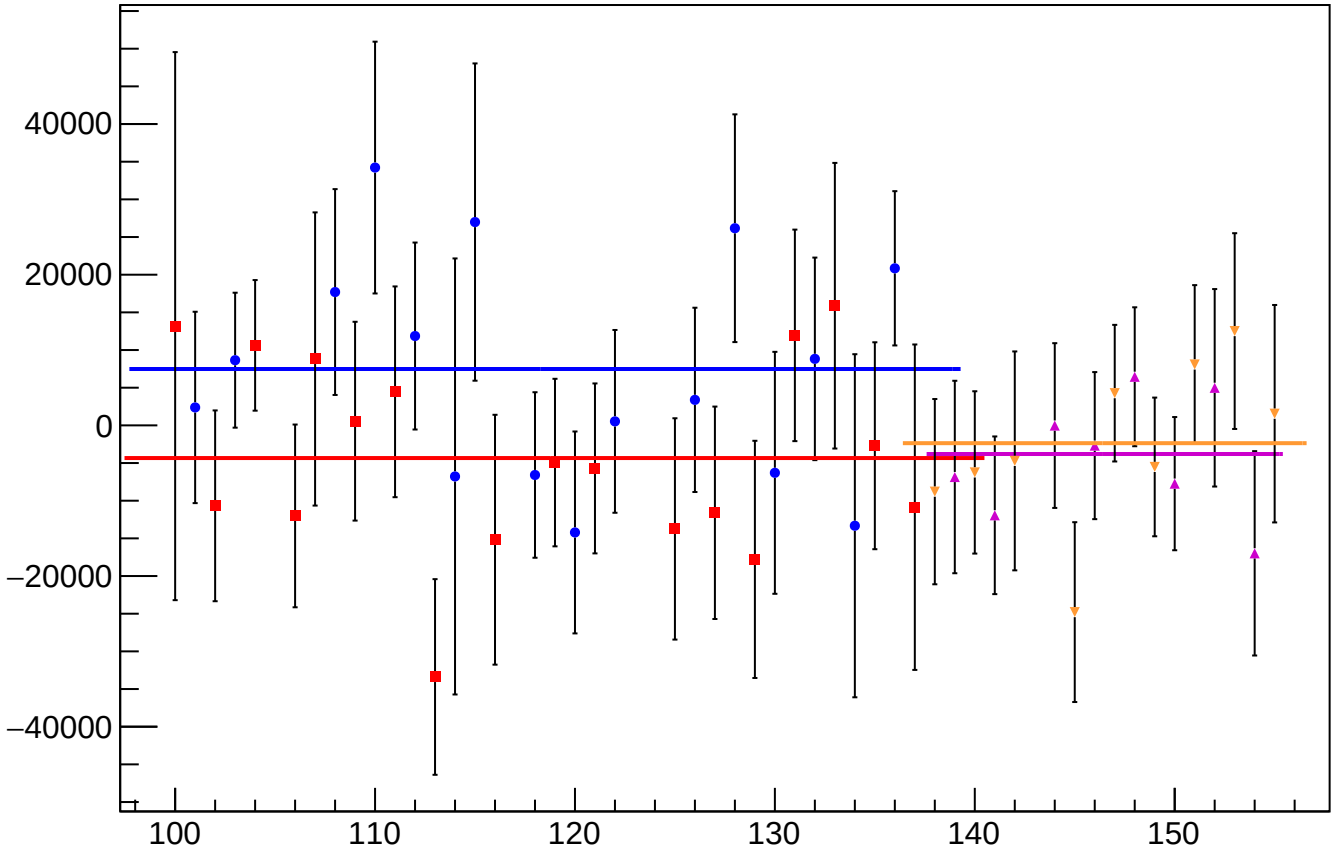
Left In: 10109.106+/-2.737 χ^2/NDF:315417.5/7

+ sign 9235.151+/-1.761 χ^2/NDF: 795579.7/24

All: 9025.451+/-1.219 χ^2/NDF: 2048136.2/50

- sign 8832.503+/-1.689 χ^2/NDF: 1225320.6/25

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -2363.450+/-3761.235 χ^2/NDF:7.0/8

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

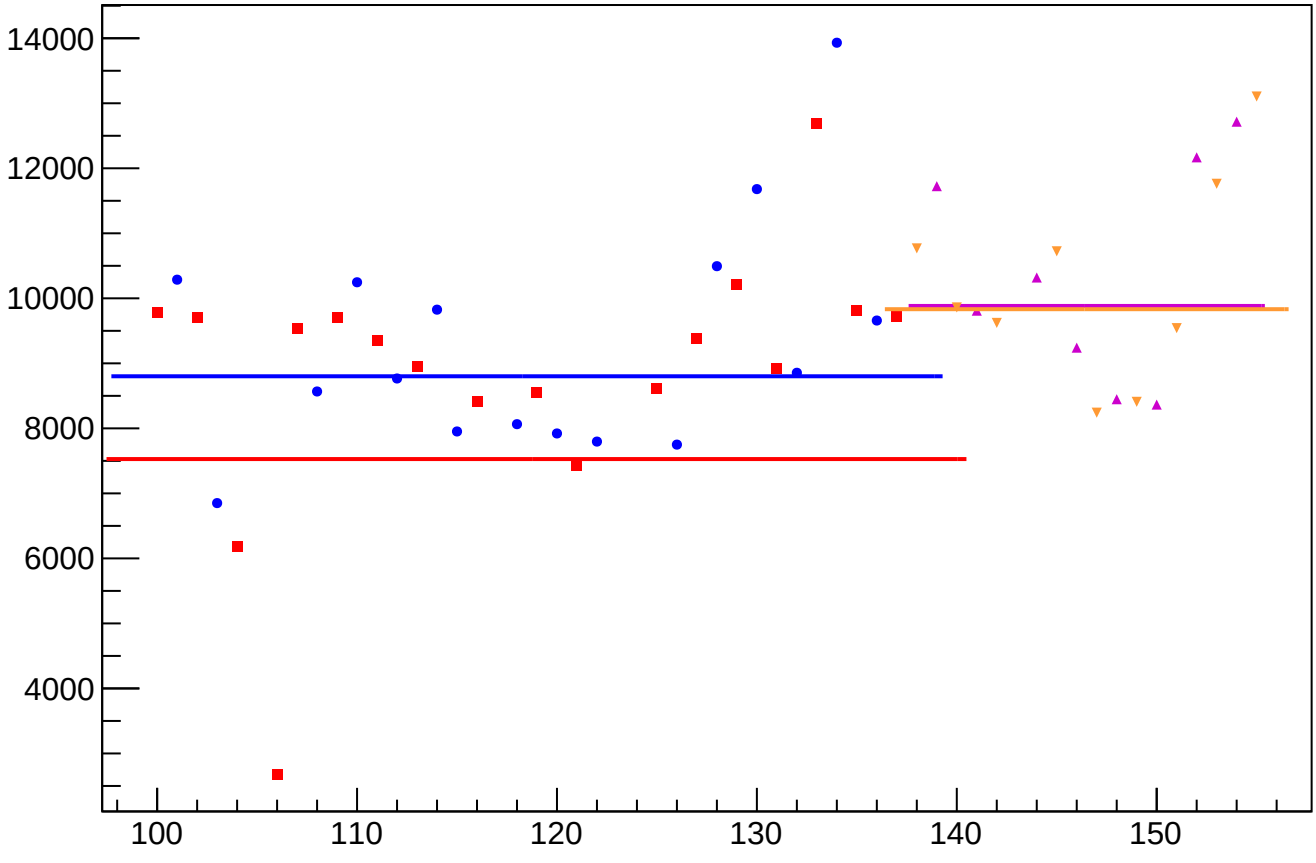
Left In: -3800.962+/-3781.572 χ^2/NDF:3.6/7

+ sign 3154.332+/-2493.637 χ^2/NDF: 24.9/24

All: -525.113+/-1751.821 χ^2/NDF: 47.1/50

- sign -4110.541+/-2461.571 χ^2/NDF: 17.9/25

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9832.818+/-2.660 χ^2/NDF:281014.0/8

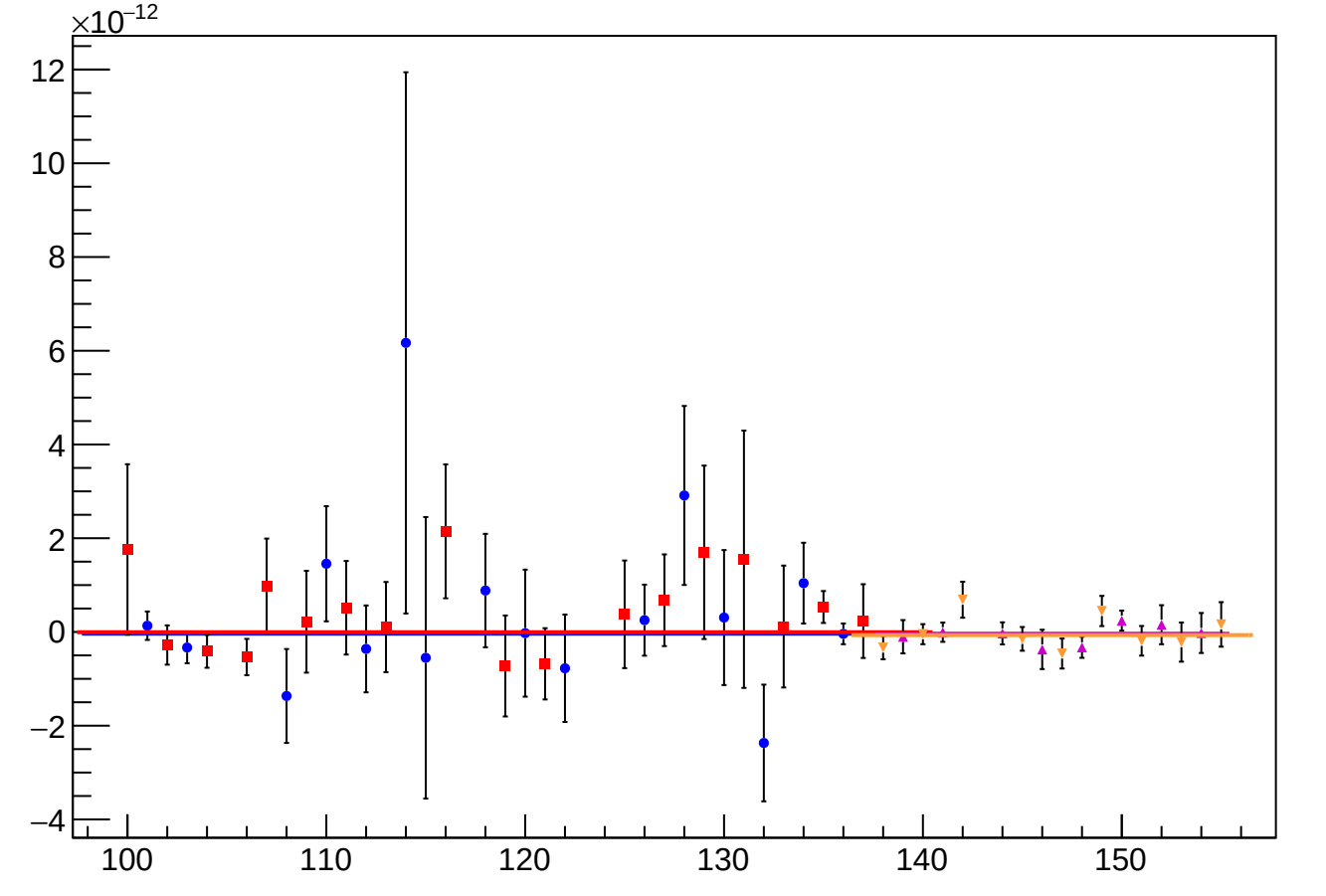
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9882.684+/-2.674 χ^2/NDF:308965.2/7

+ sign 9254.569+/-1.763 χ^2/NDF: 759933.6/24

All: 8824.588+/-1.211 χ^2/NDF: 3313489.1/50

- sign 8441.085+/-1.665 χ^2/NDF: 2441051.8/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/8

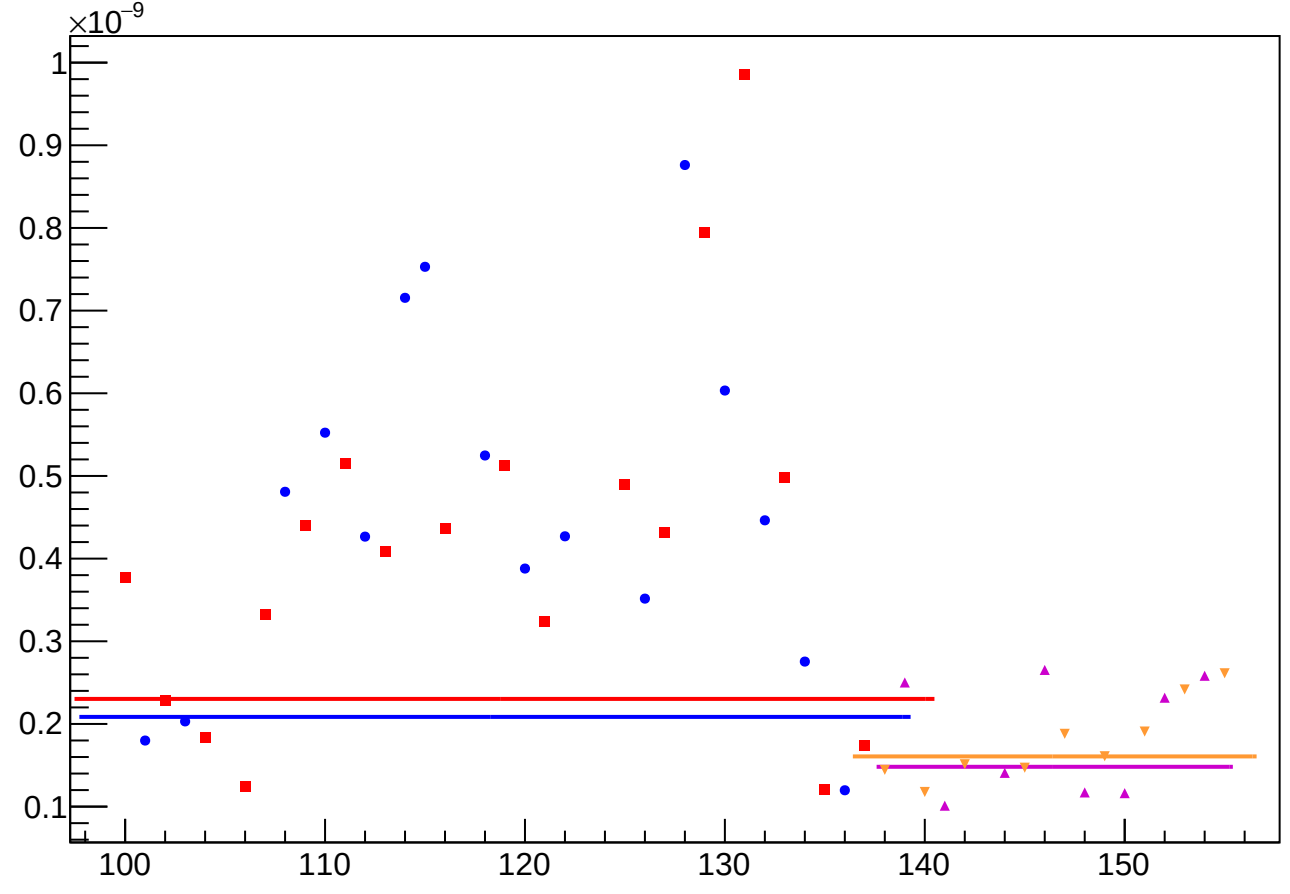
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:4.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/24

All: -0.000+/-0.000 χ^2/NDF: 42.1/50

- sign -0.000+/-0.000 χ^2/NDF: 18.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:293837.1/8

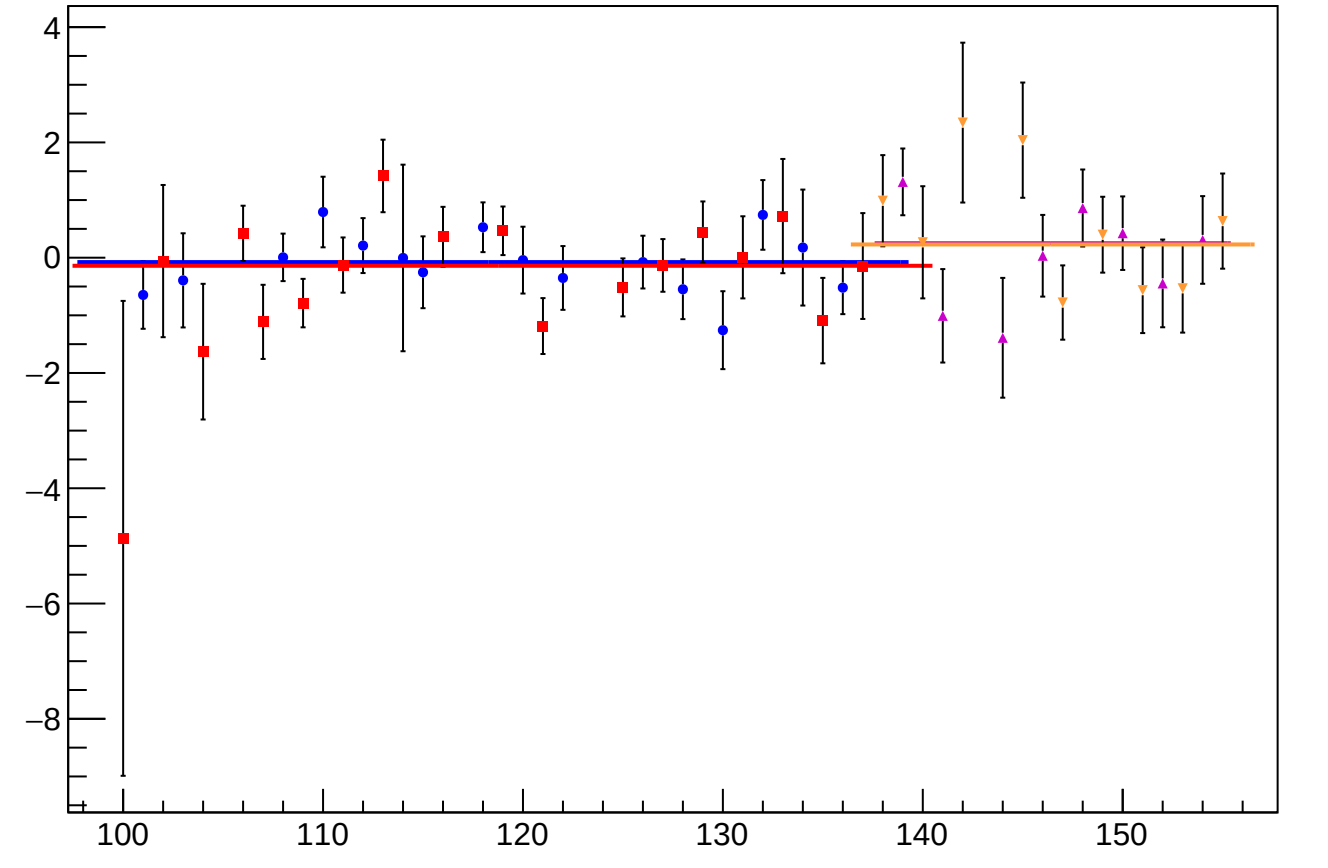
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:724337.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 2078079.2/24

All: 0.000+/-0.000 χ^2/NDF: 4769205.7/50

- sign 0.000+/-0.000 χ^2/NDF: 2685806.1/25



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.230+/-0.269 χ^2/NDF:11.4/8

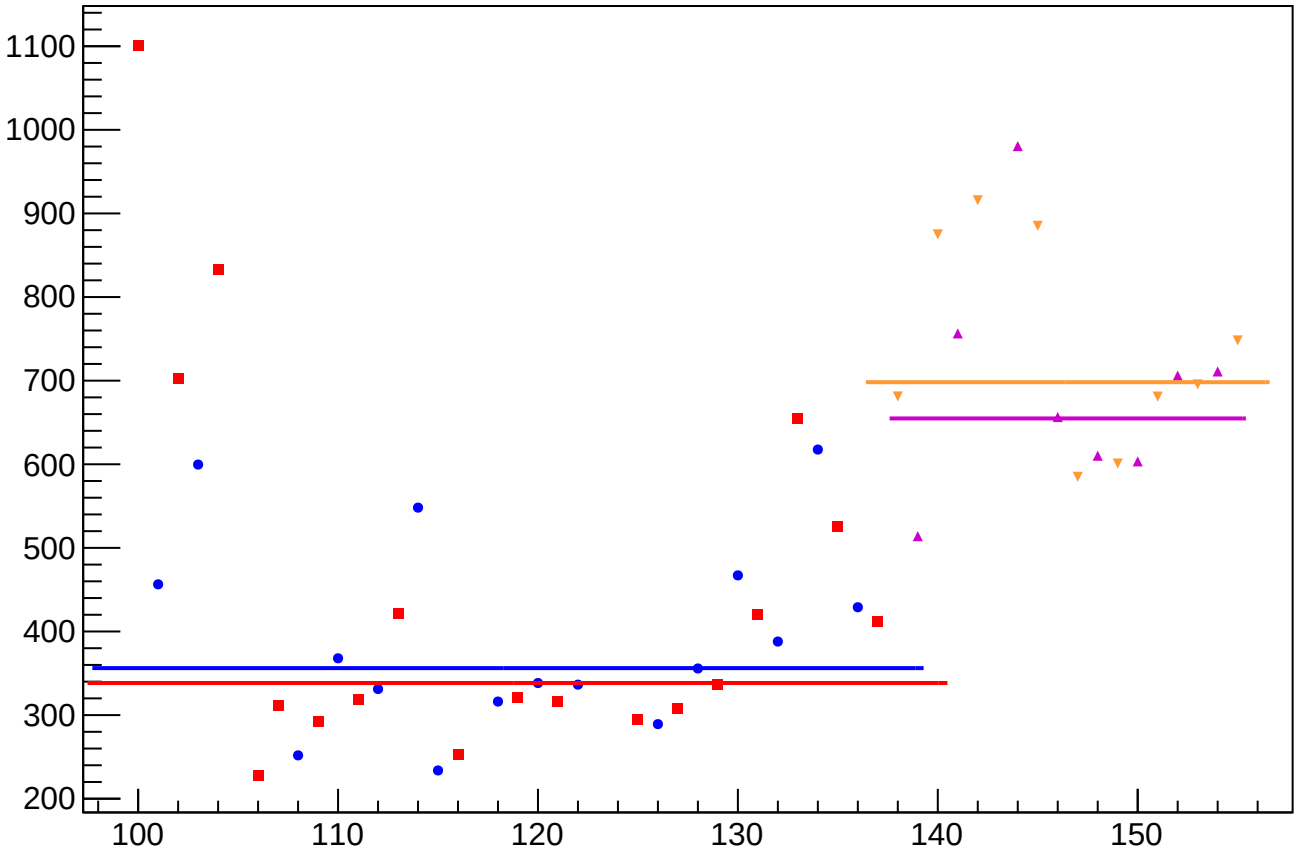
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.251+/-0.253 χ^2/NDF:10.1/7

+ sign -0.011+/-0.124 χ^2/NDF: 24.9/24

All: -0.031+/-0.087 χ^2/NDF: 63.9/50

- sign -0.051+/-0.121 χ^2/NDF: 38.9/25


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1100
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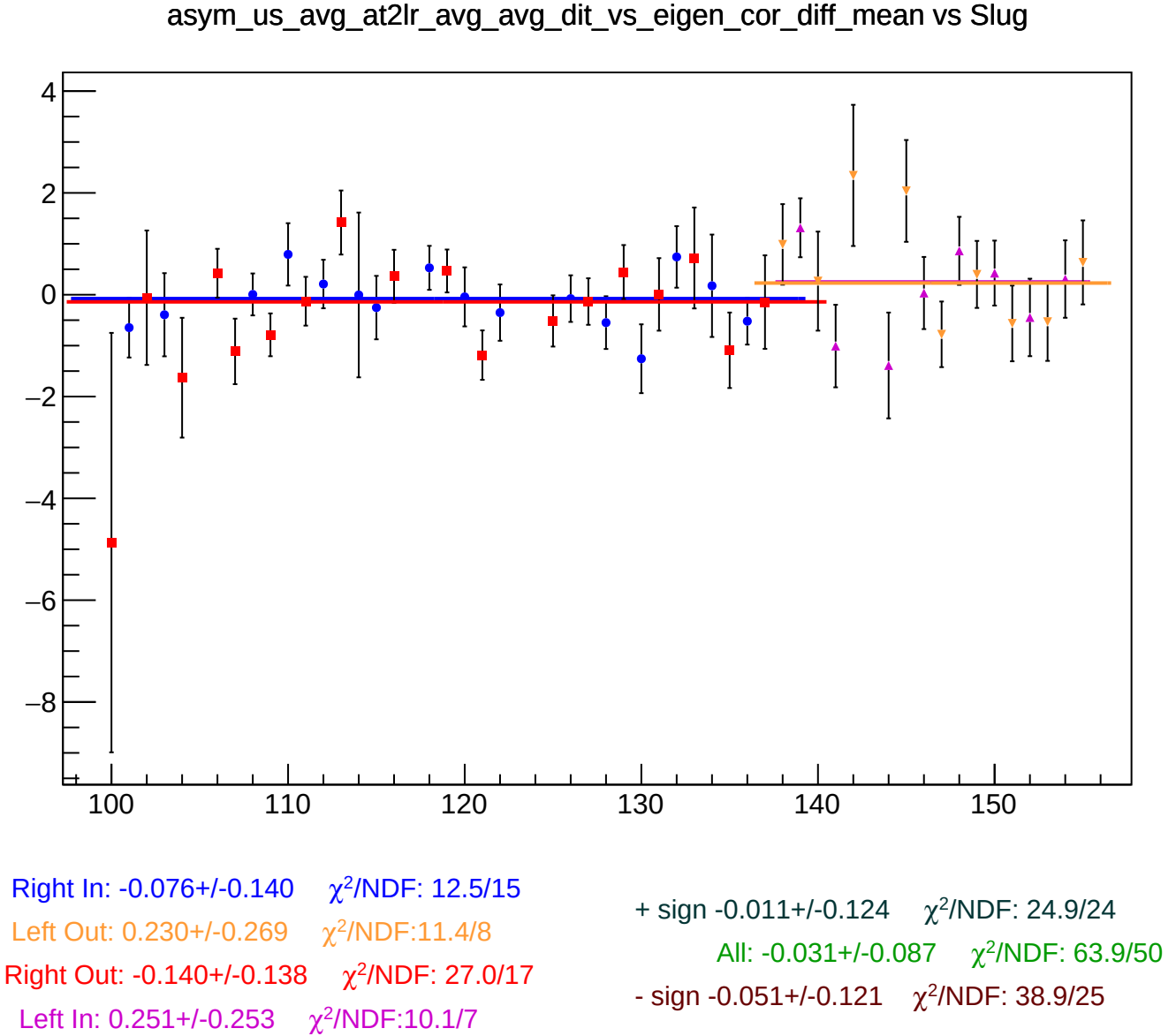
140
150
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 698.177+/-0.190 χ²/NDF:300012.5/8
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 654.798+/-0.179 χ²/NDF:388121.2/7
+ sign 429.153+/-0.088 χ²/NDF: 3634904.8/24
All: 419.741+/-0.061 χ²/NDF: 7653931.4/50
- sign 410.766+/-0.086 χ²/NDF: 3996546.2/25


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
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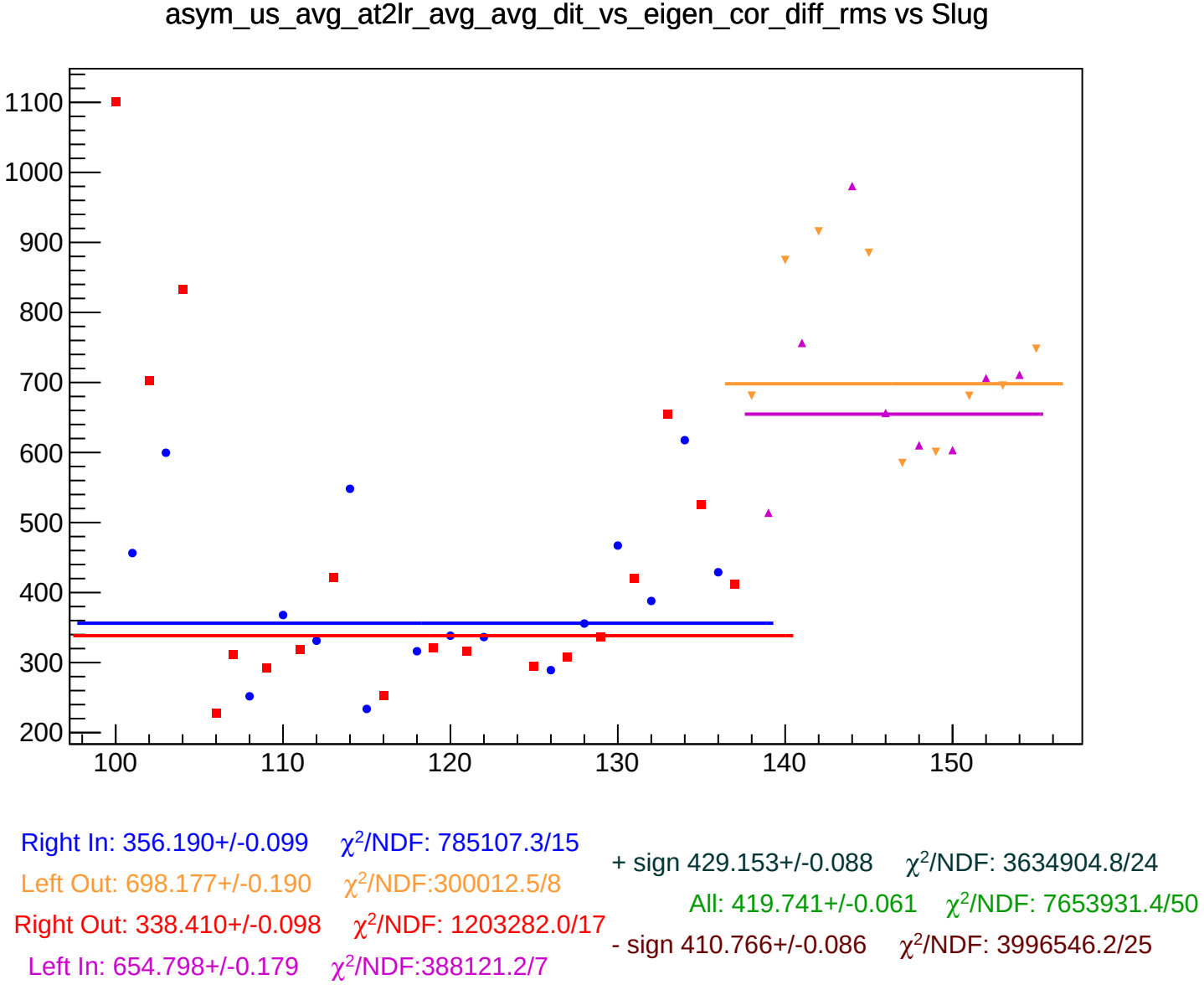
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.230+/-0.269 χ²/NDF:11.4/8
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.251+/-0.253 χ²/NDF:10.1/7
+ sign -0.011+/-0.124 χ²/NDF: 24.9/24
All: -0.031+/-0.087 χ²/NDF: 63.9/50
- sign -0.051+/-0.121 χ²/NDF: 38.9/25


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1100
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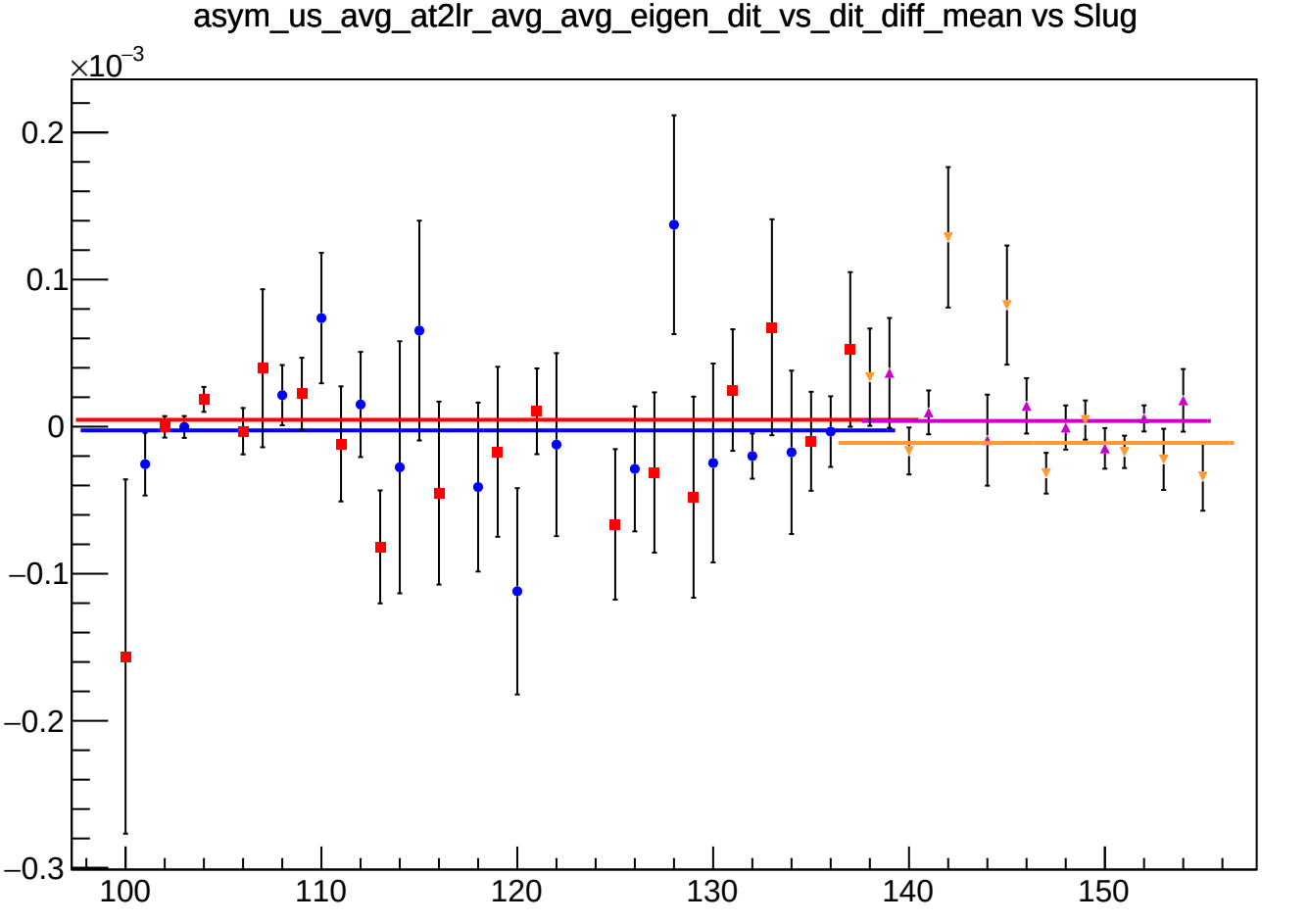
140
150
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 698.177+/-0.190 χ²/NDF:300012.5/8
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 654.798+/-0.179 χ²/NDF:388121.2/7
+ sign 429.153+/-0.088 χ²/NDF: 3634904.8/24
All: 419.741+/-0.061 χ²/NDF: 7653931.4/50
- sign 410.766+/-0.086 χ²/NDF: 3996546.2/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/8

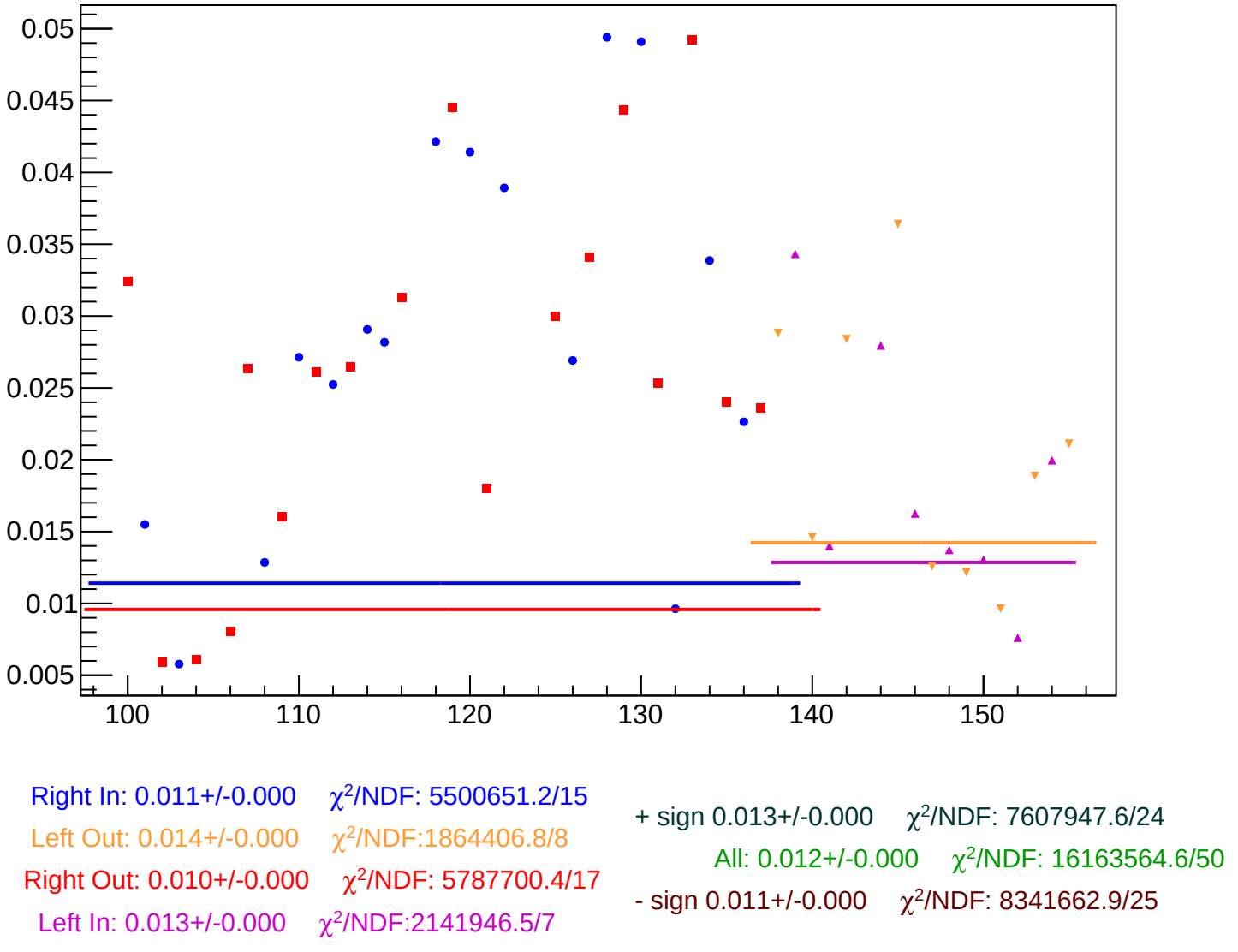
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

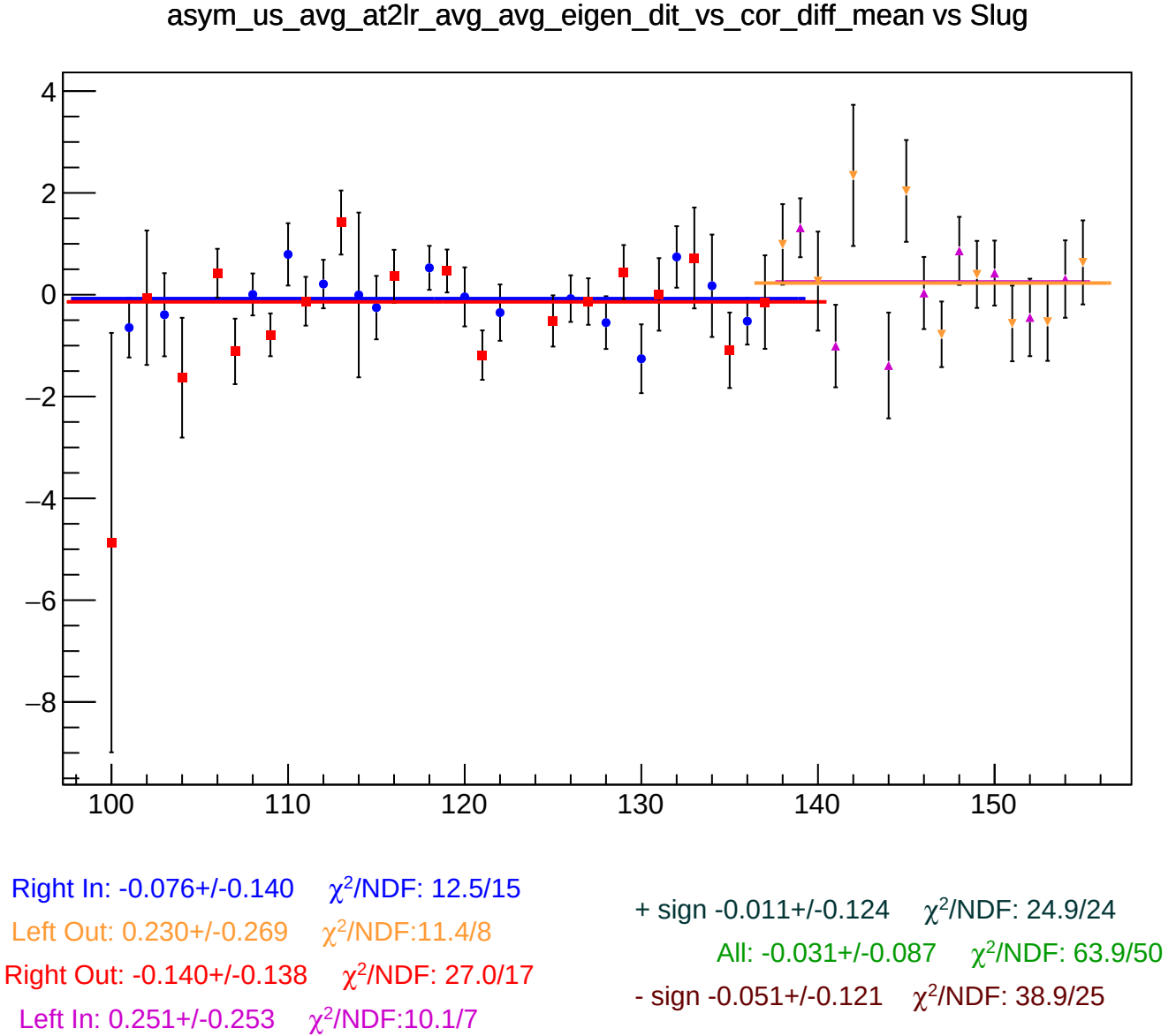
Left In: 0.000+/-0.000 χ^2/NDF:3.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/24

All: -0.000+/-0.000 χ^2/NDF: 62.1/50

- sign 0.000+/-0.000 χ^2/NDF: 20.9/25


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.014+/-0.000 χ²/NDF:1864406.8/8
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.013+/-0.000 χ²/NDF:2141946.5/7
+ sign 0.013+/-0.000 χ²/NDF: 7607947.6/24
All: 0.012+/-0.000 χ²/NDF: 16163564.6/50
- sign 0.011+/-0.000 χ²/NDF: 8341662.9/25


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
4
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100
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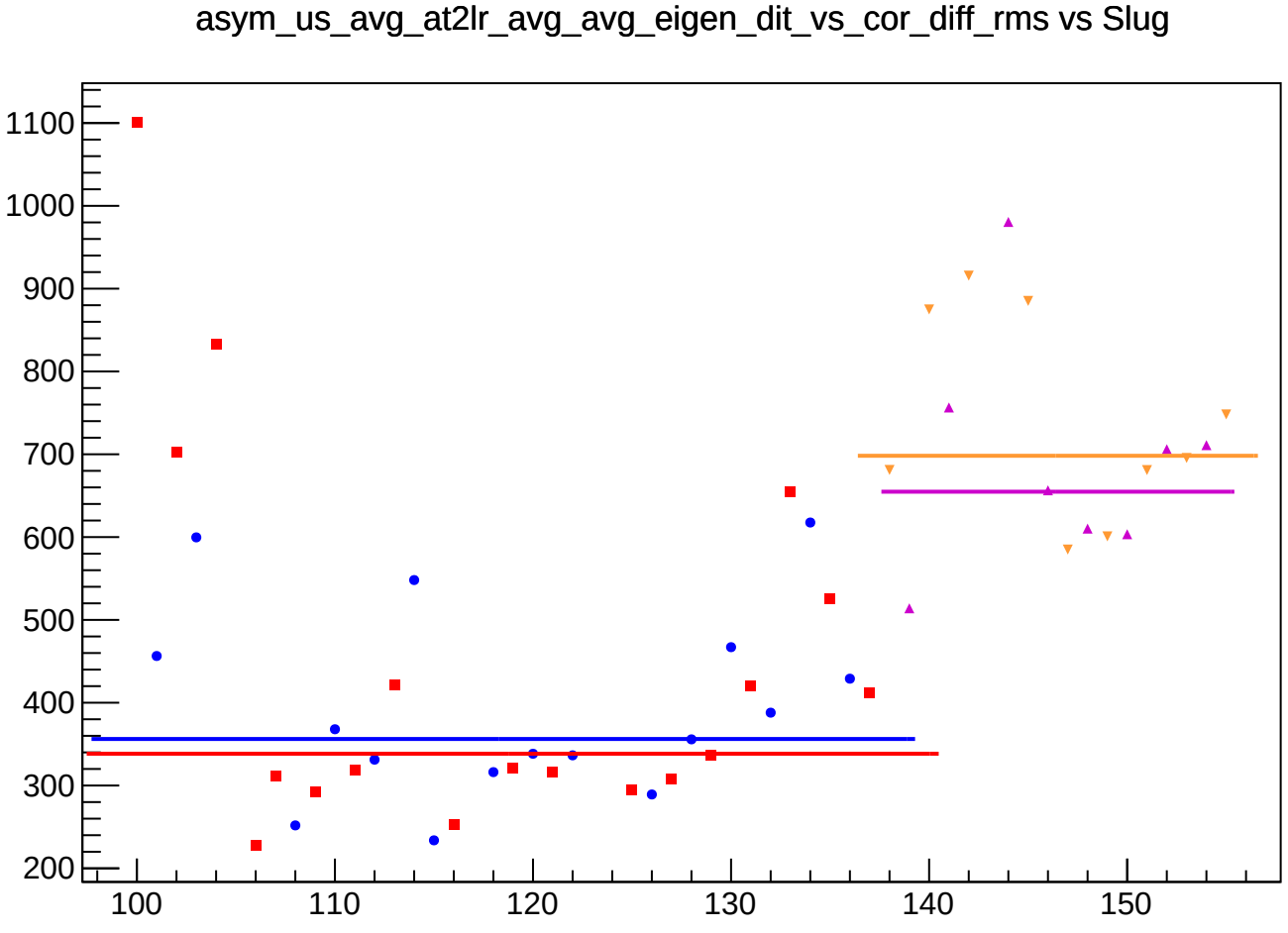
120
130
140
150
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.230+/-0.269 χ²/NDF:11.4/8
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.251+/-0.253 χ²/NDF:10.1/7
+ sign -0.011+/-0.124 χ²/NDF: 24.9/24
All: -0.031+/-0.087 χ²/NDF: 63.9/50
- sign -0.051+/-0.121 χ²/NDF: 38.9/25


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1100
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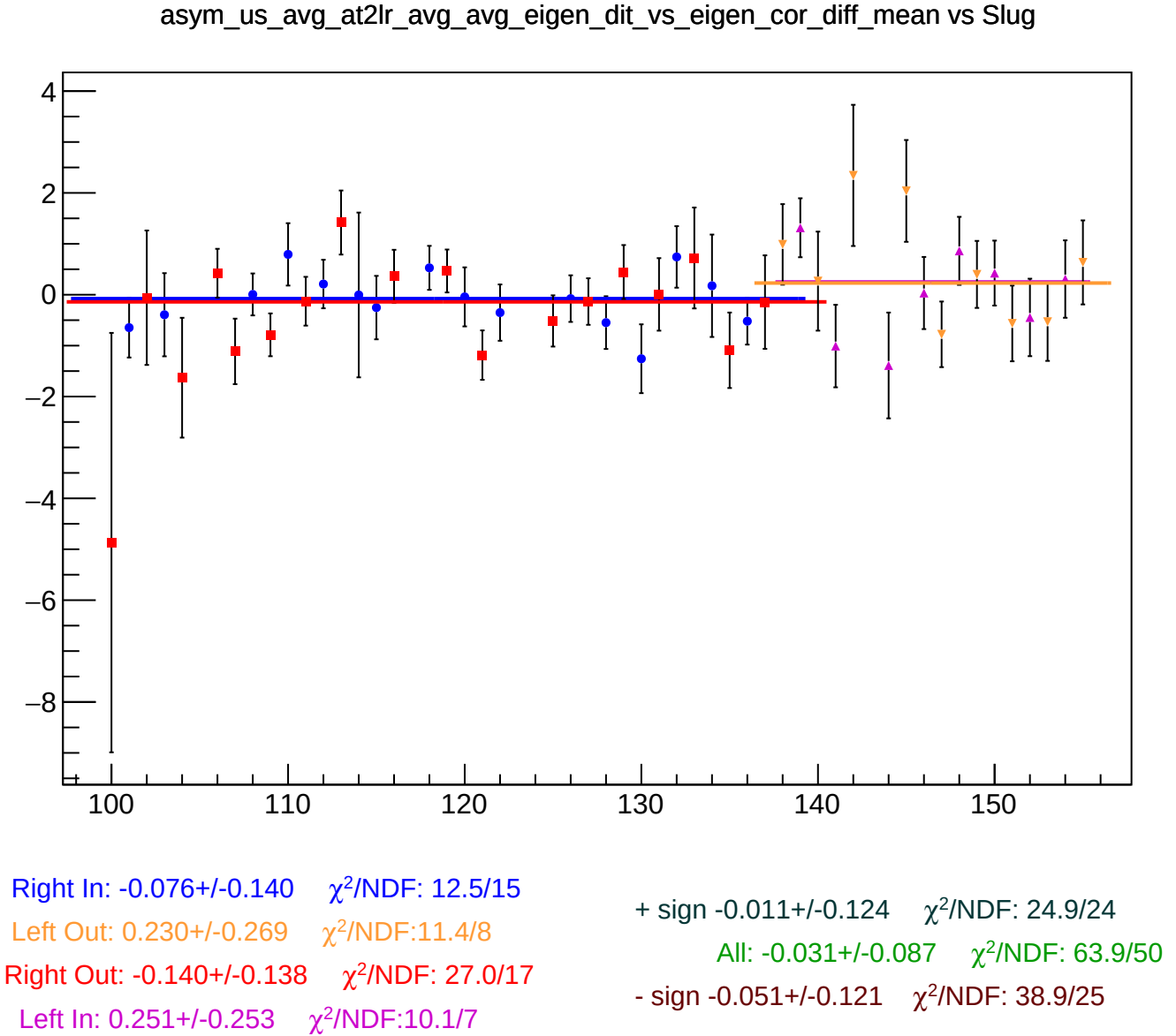
140
150
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 698.185+/-0.190 χ²/NDF:300018.9/8
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 654.807+/-0.179 χ²/NDF:388108.8/7
+ sign 429.152+/-0.088 χ²/NDF: 3634978.8/24
All: 419.739+/-0.061 χ²/NDF: 7654103.5/50
- sign 410.764+/-0.086 χ²/NDF: 3996643.1/25


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
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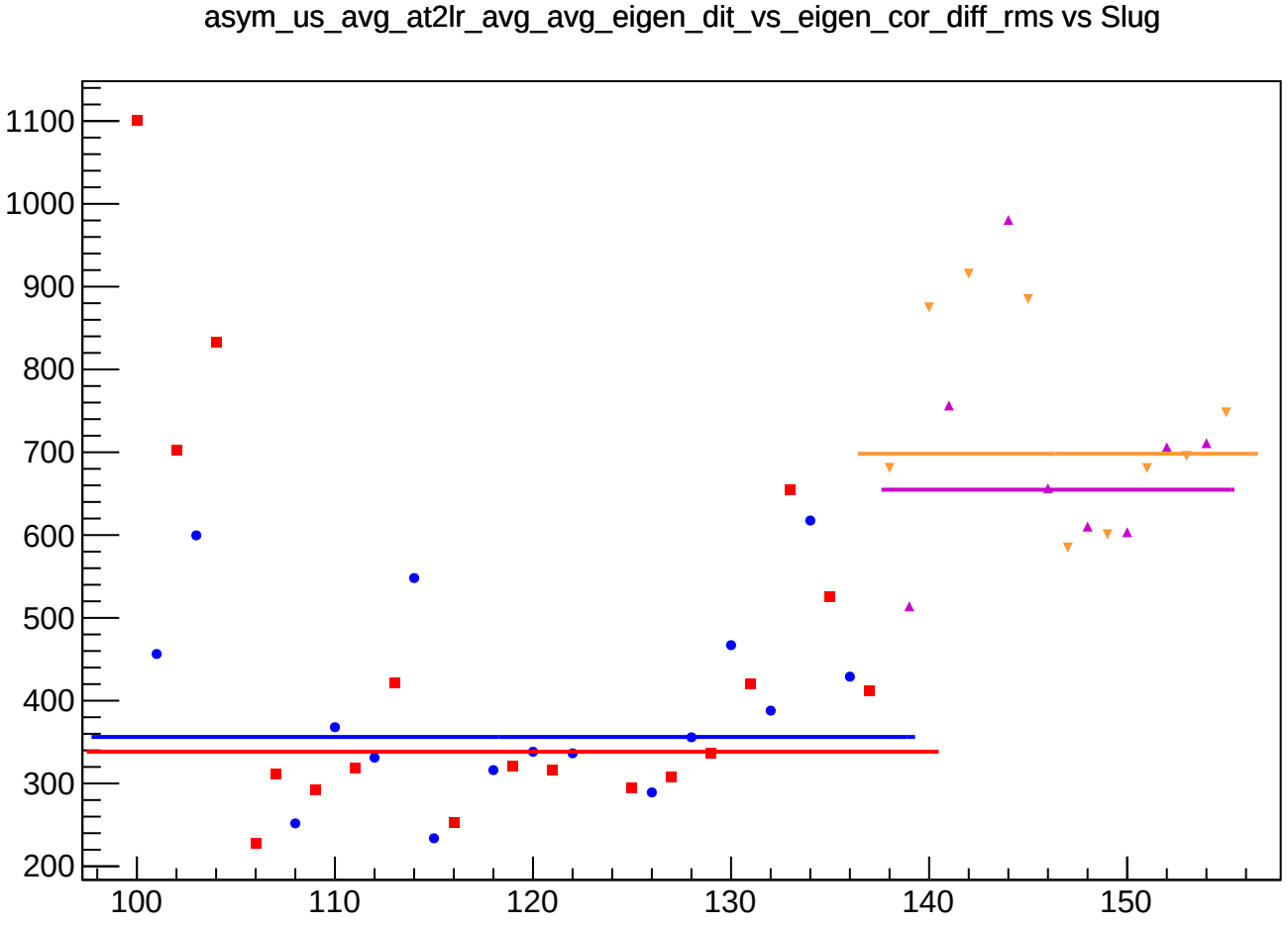
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.230+/-0.269 χ²/NDF:11.4/8
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.251+/-0.253 χ²/NDF:10.1/7
+ sign -0.011+/-0.124 χ²/NDF: 24.9/24
All: -0.031+/-0.087 χ²/NDF: 63.9/50
- sign -0.051+/-0.121 χ²/NDF: 38.9/25


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1100
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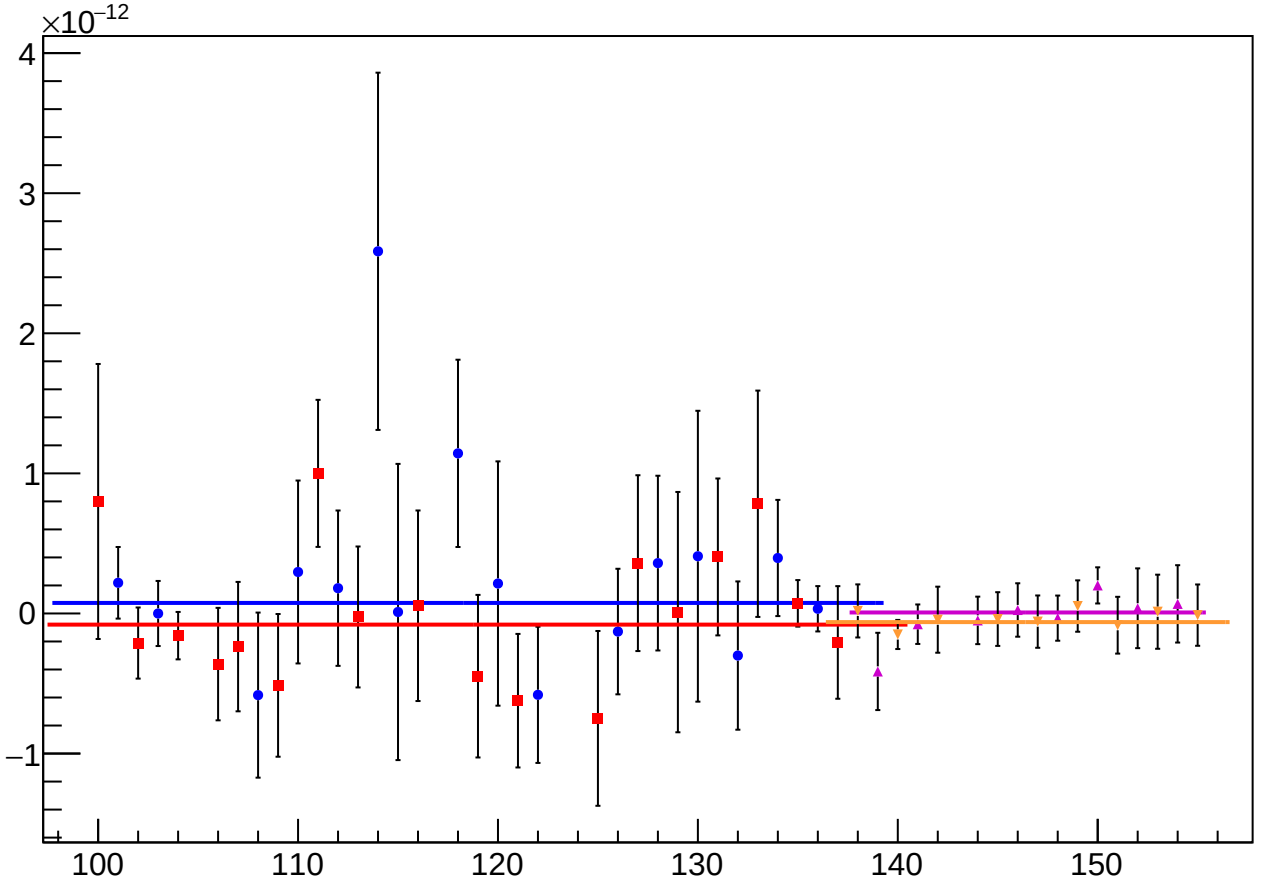
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 698.185+/-0.190 χ²/NDF:300018.9/8
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 654.807+/-0.179 χ²/NDF:388108.8/7
+ sign 429.152+/-0.088 χ²/NDF: 3634978.8/24
All: 419.739+/-0.061 χ²/NDF: 7654103.5/50
- sign 410.764+/-0.086 χ²/NDF: 3996643.1/25

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/8

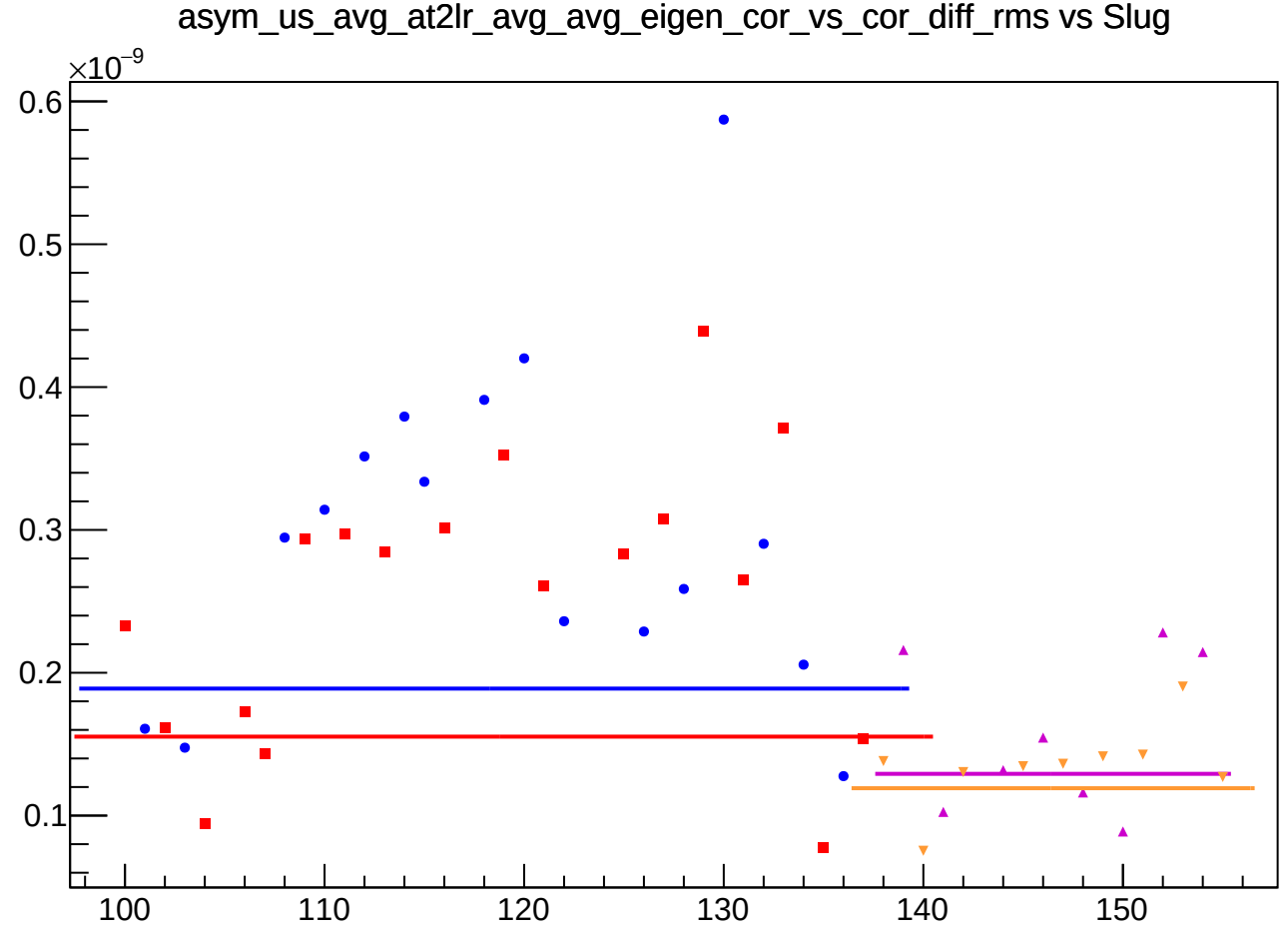
Right Out: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 14.7/24

All: -0.000+/-0.000 χ^2/NDF: 33.6/50

- sign -0.000+/-0.000 χ^2/NDF: 18.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:613741.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

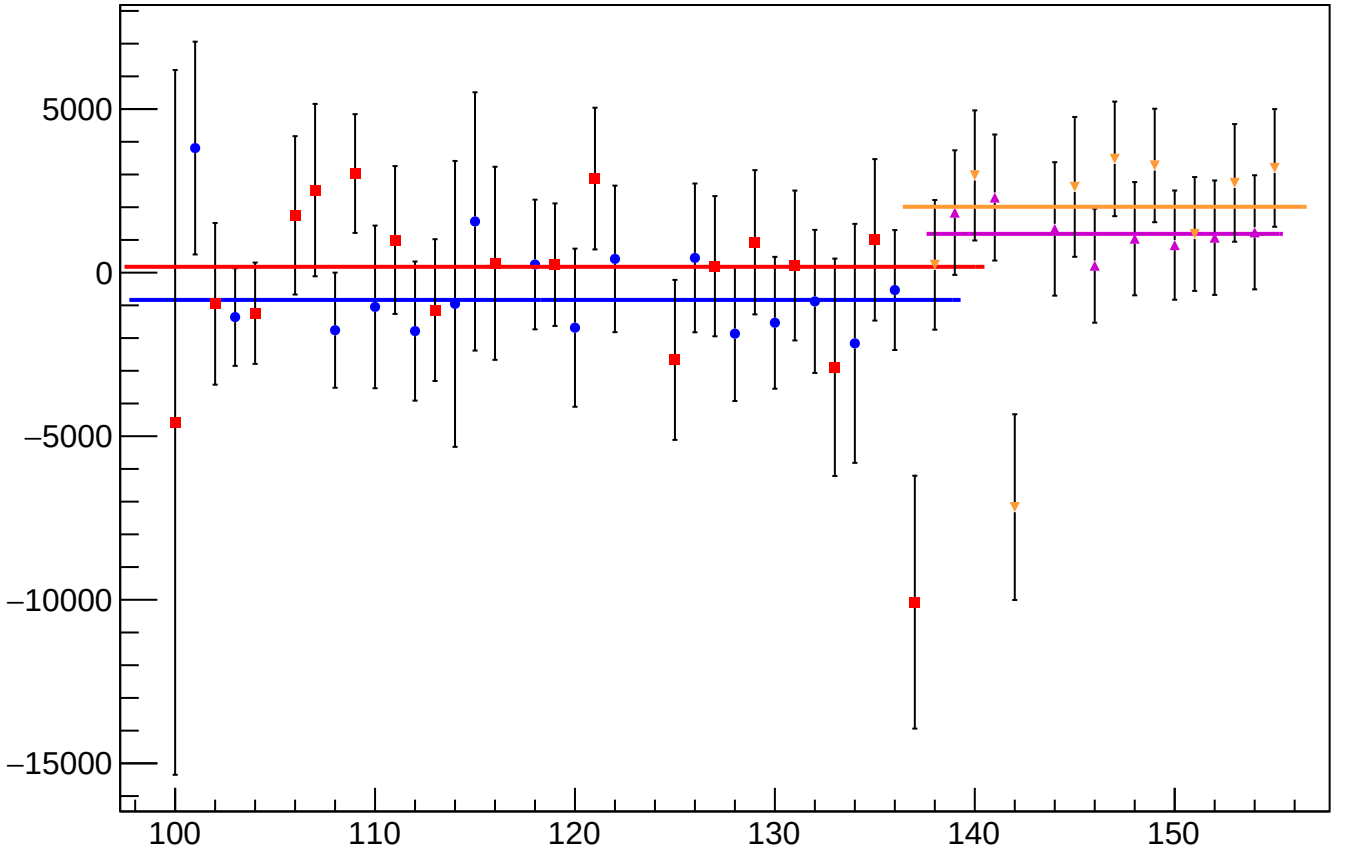
Left In: 0.000+/-0.000 χ^2/NDF:946259.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 2893500.5/24

All: 0.000+/-0.000 χ^2/NDF: 6160422.6/50

- sign 0.000+/-0.000 χ^2/NDF: 3266918.6/25

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 2013.615+/-637.926 χ^2/NDF:13.6/8

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

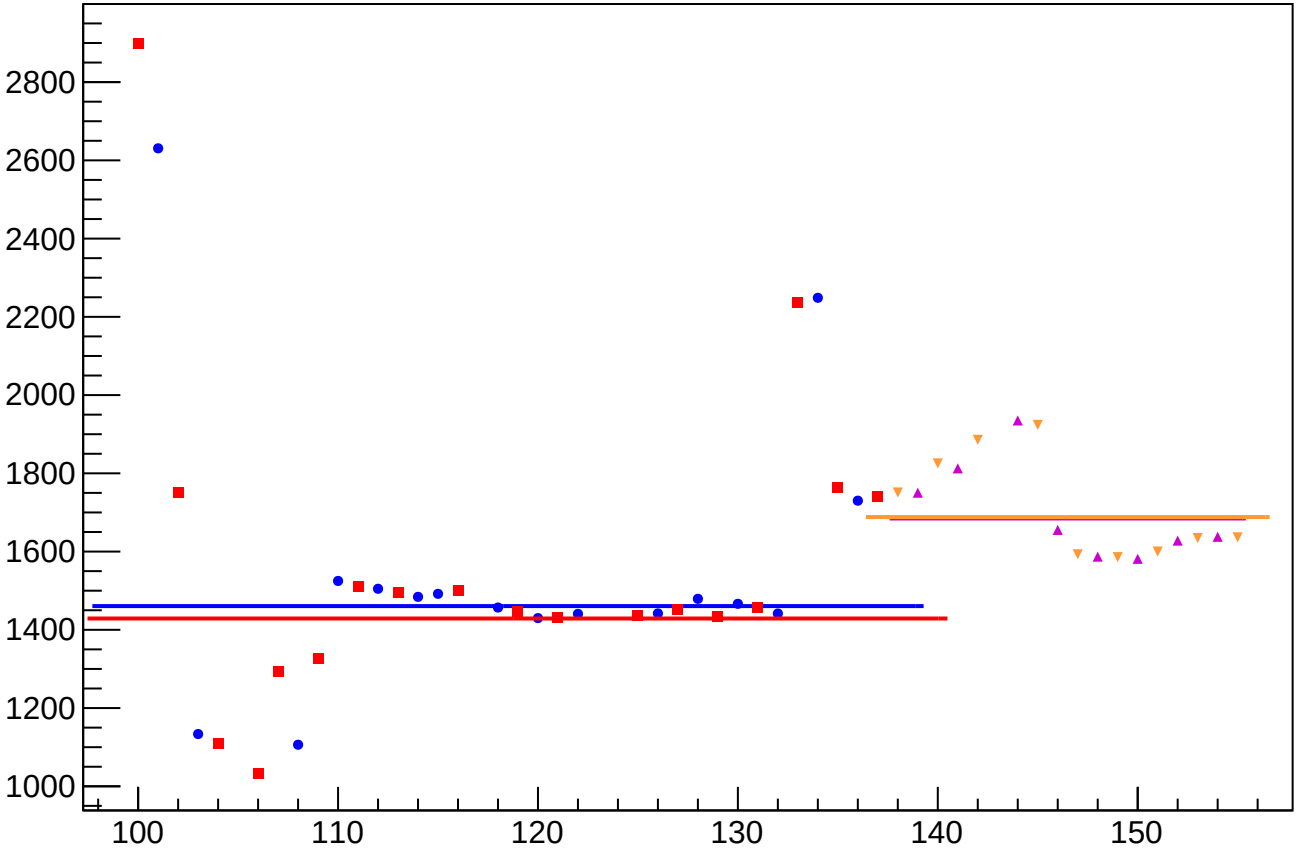
Left In: 1185.325+/-637.207 χ^2/NDF:0.8/7

+ sign 392.684+/-418.643 χ^2/NDF: 29.6/24

All: 500.311+/-294.875 χ^2/NDF: 48.4/50

- sign 606.281+/-415.408 χ^2/NDF: 18.7/25

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1688.206+/-0.451 χ^2/NDF:66923.9/8

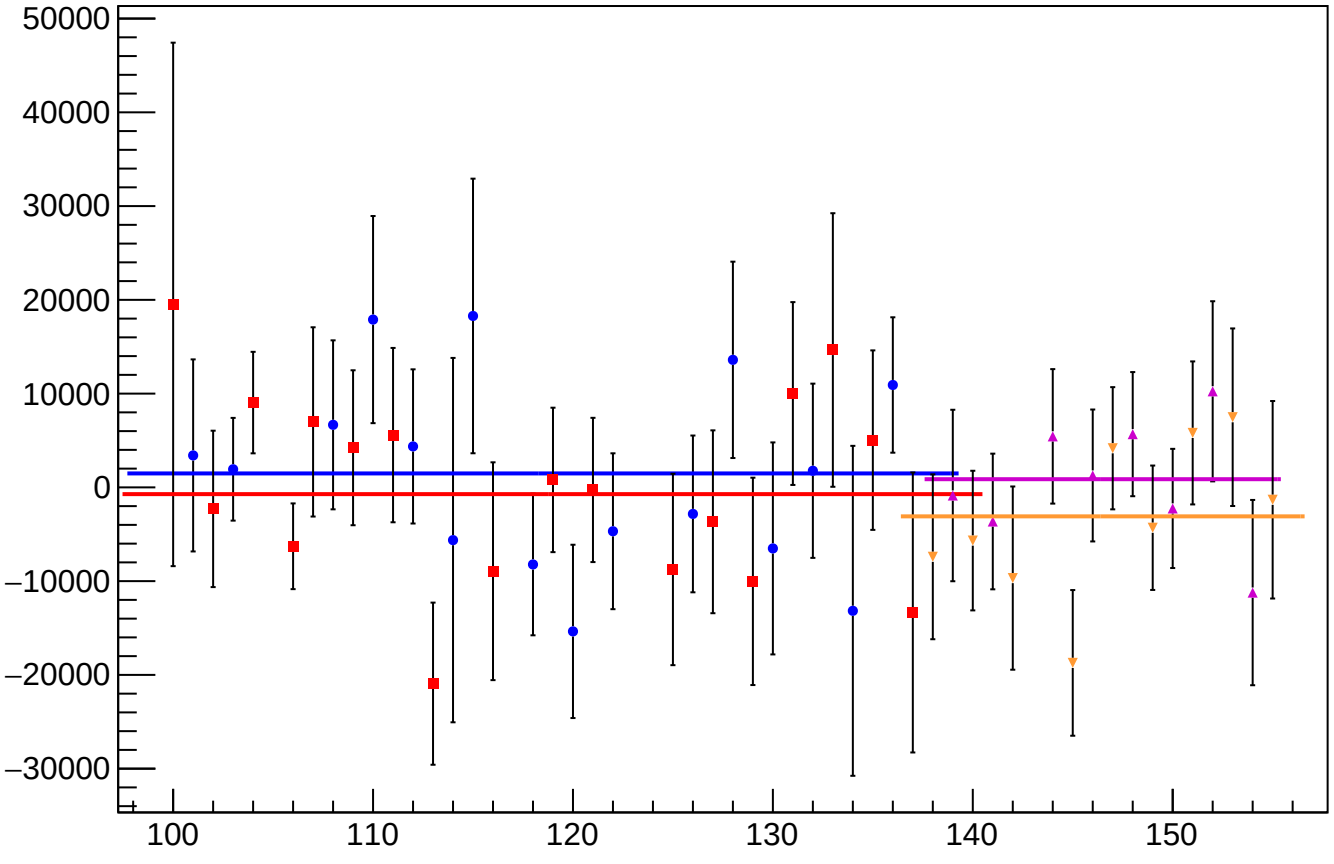
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1684.575+/-0.451 χ^2/NDF:59490.9/7

+ sign 1558.654+/-0.296 χ^2/NDF: 787542.4/24

All: 1547.525+/-0.208 χ^2/NDF: 1447353.9/50

- sign 1536.660+/-0.292 χ^2/NDF: 657018.3/25



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -3091.514+/-2656.963 χ^2/NDF:8.8/8

Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

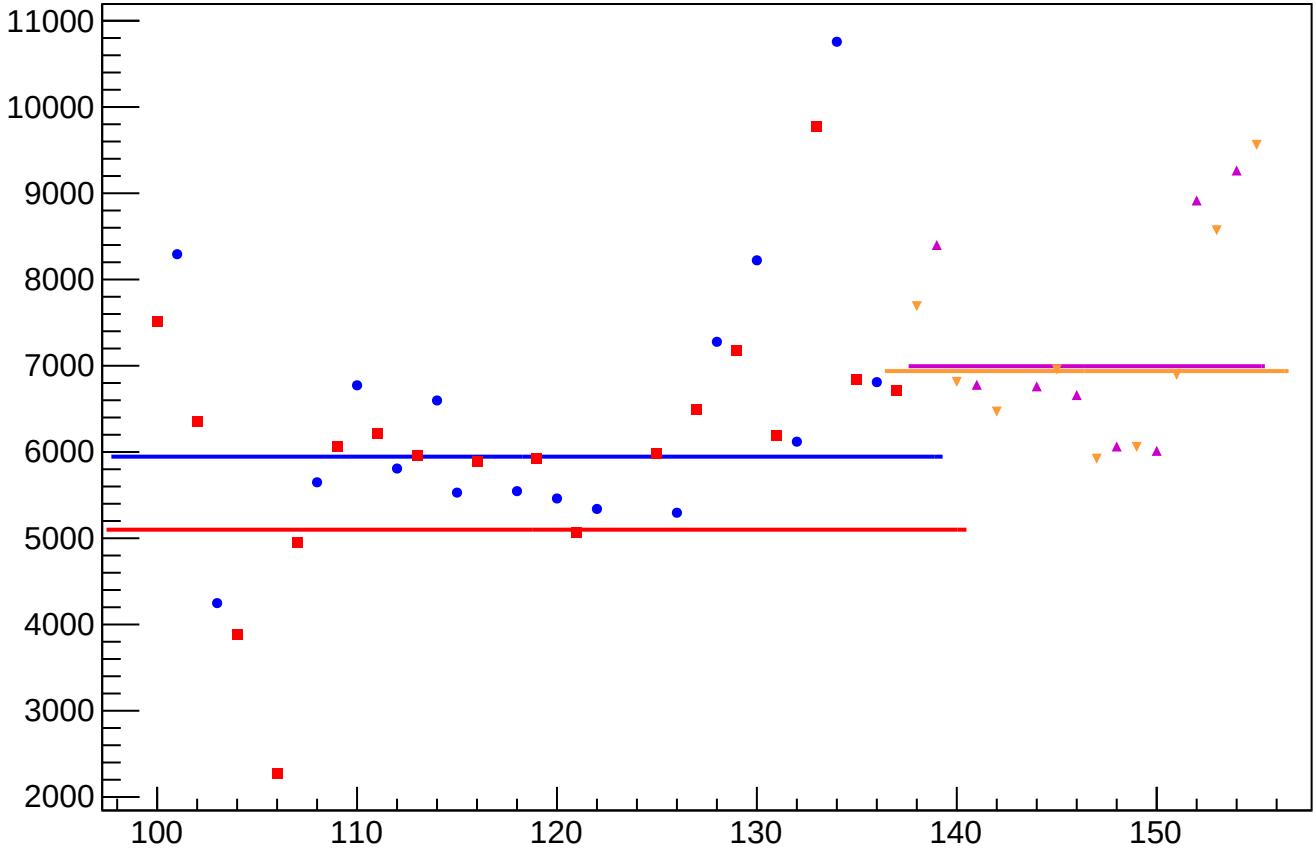
Left In: 872.076+/-2678.746 χ^2/NDF:4.1/7

+ sign -442.672+/-1725.017 χ^2/NDF: 24.7/24

All: -284.006+/-1176.428 χ^2/NDF: 46.5/50

- sign -146.047+/-1608.526 χ^2/NDF: 21.8/25

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6938.502+/-1.879 χ^2/NDF:287207.0/8

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

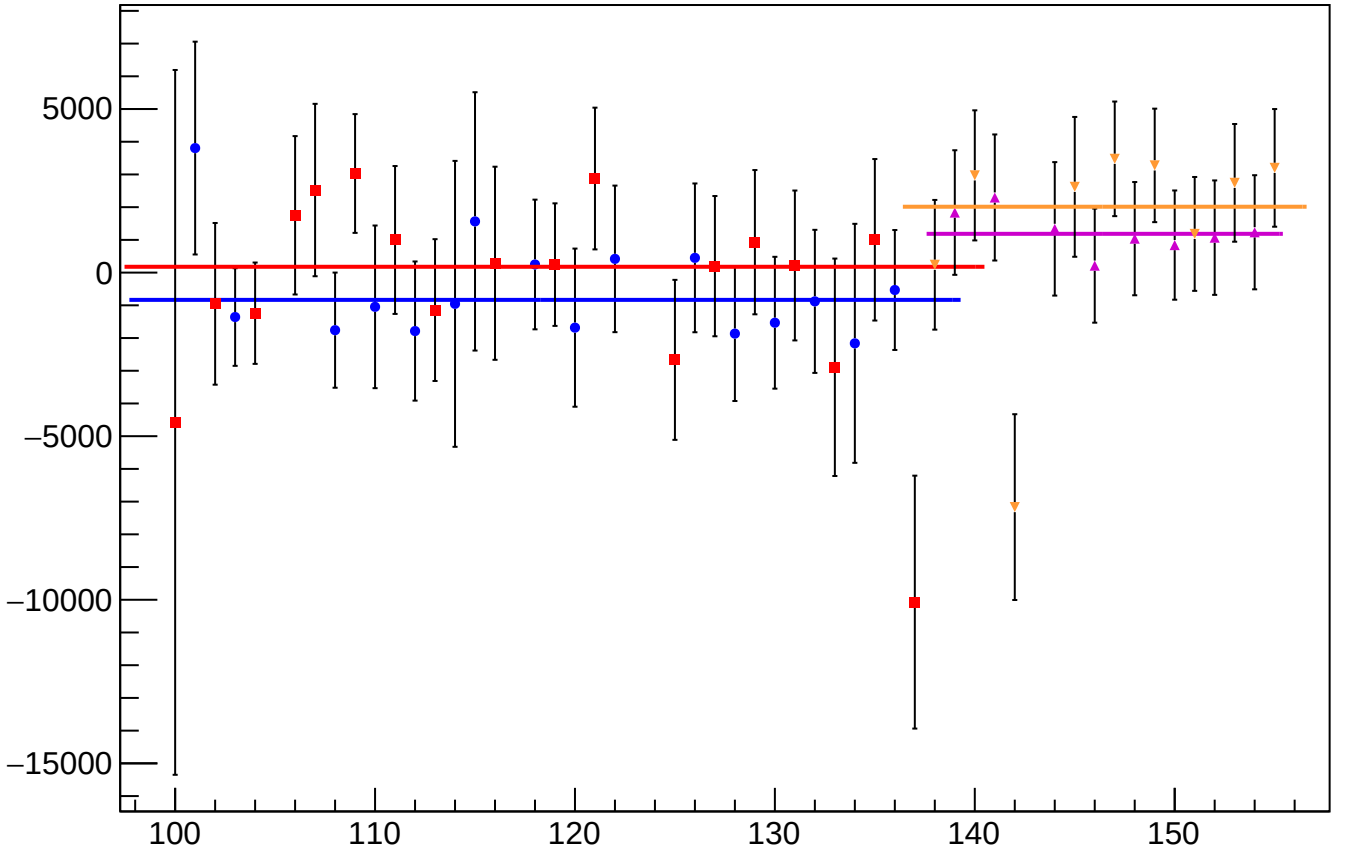
Left In: 6994.665+/-1.894 χ^2/NDF:328331.7/7

+ sign 6364.403+/-1.220 χ^2/NDF: 1089752.6/24

All: 6053.283+/-0.832 χ^2/NDF: 3660267.2/50

- sign 5782.765+/-1.137 χ^2/NDF: 2448889.3/25

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 2013.579+/-637.926 χ^2/NDF:13.6/8

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

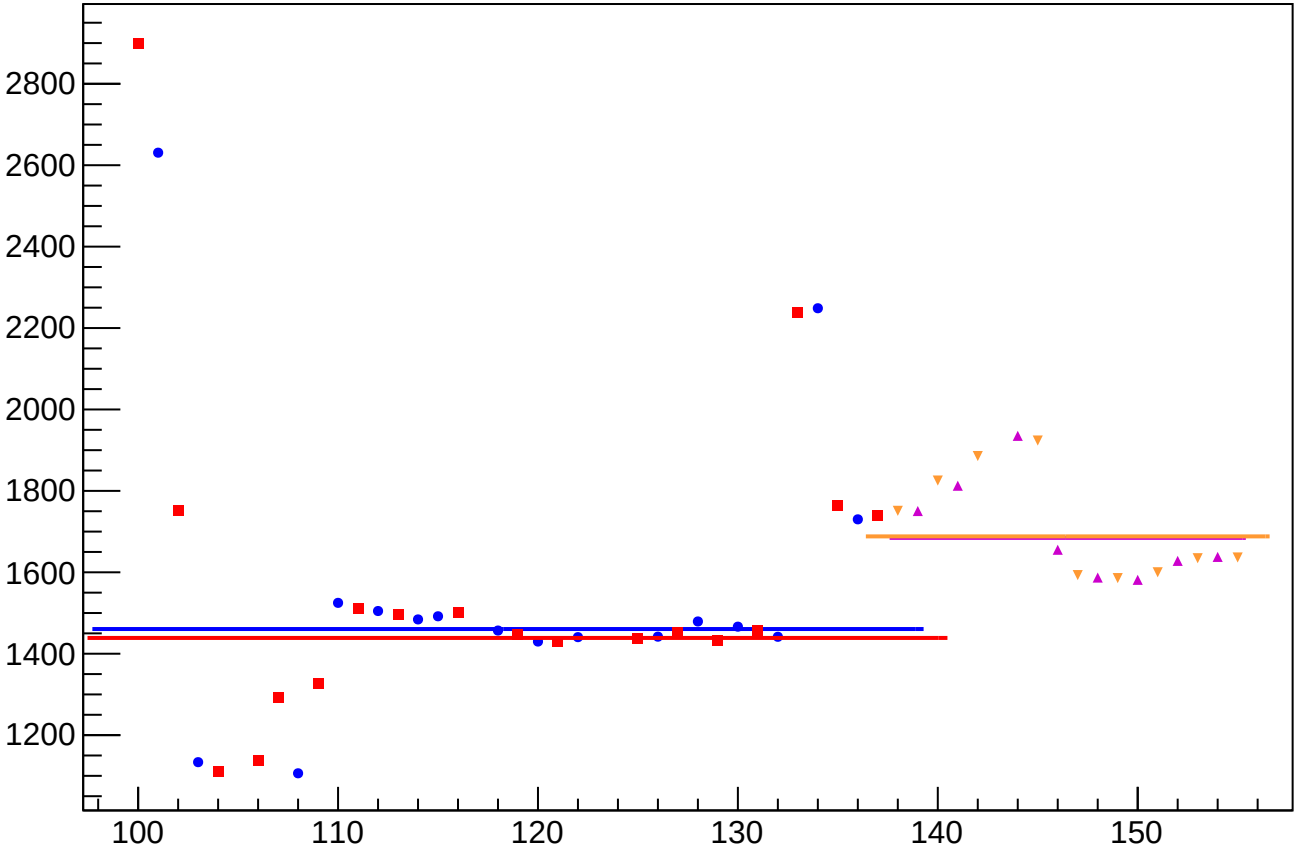
Left In: 1185.370+/-637.207 χ^2/NDF:0.8/7

+ sign 392.633+/-418.643 χ^2/NDF: 29.6/24

All: 500.249+/-294.875 χ^2/NDF: 48.4/50

- sign 606.208+/-415.408 χ^2/NDF: 18.7/25

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1688.206+/-0.451 χ^2/NDF:66923.9/8

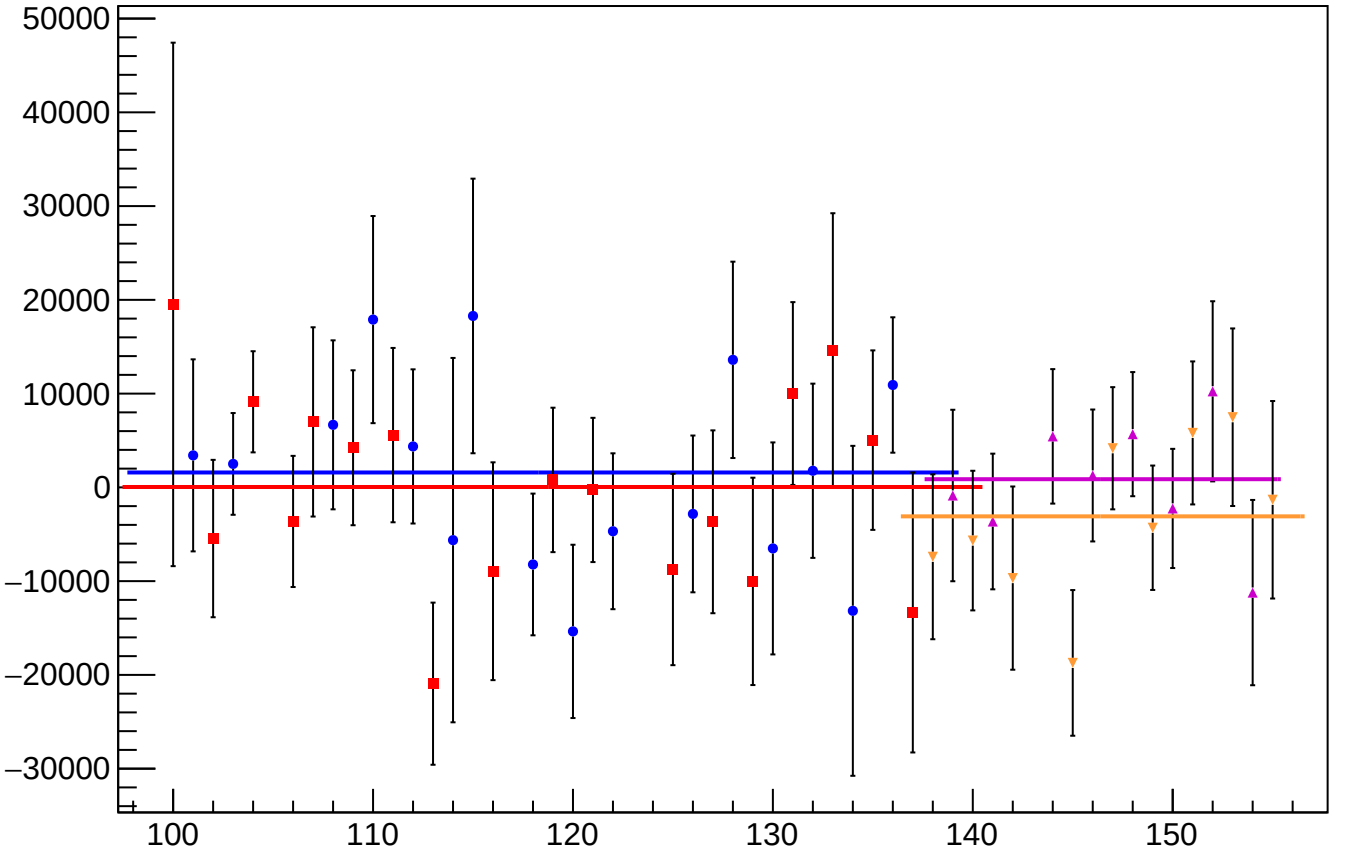
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1684.575+/-0.451 χ^2/NDF:59490.9/7

+ sign 1558.654+/-0.296 χ^2/NDF: 787542.8/24

All: 1550.735+/-0.208 χ^2/NDF: 1393295.8/50

- sign 1542.959+/-0.293 χ^2/NDF: 604334.7/25



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -3091.559+/-2656.961 χ^2/NDF:8.8/8

Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

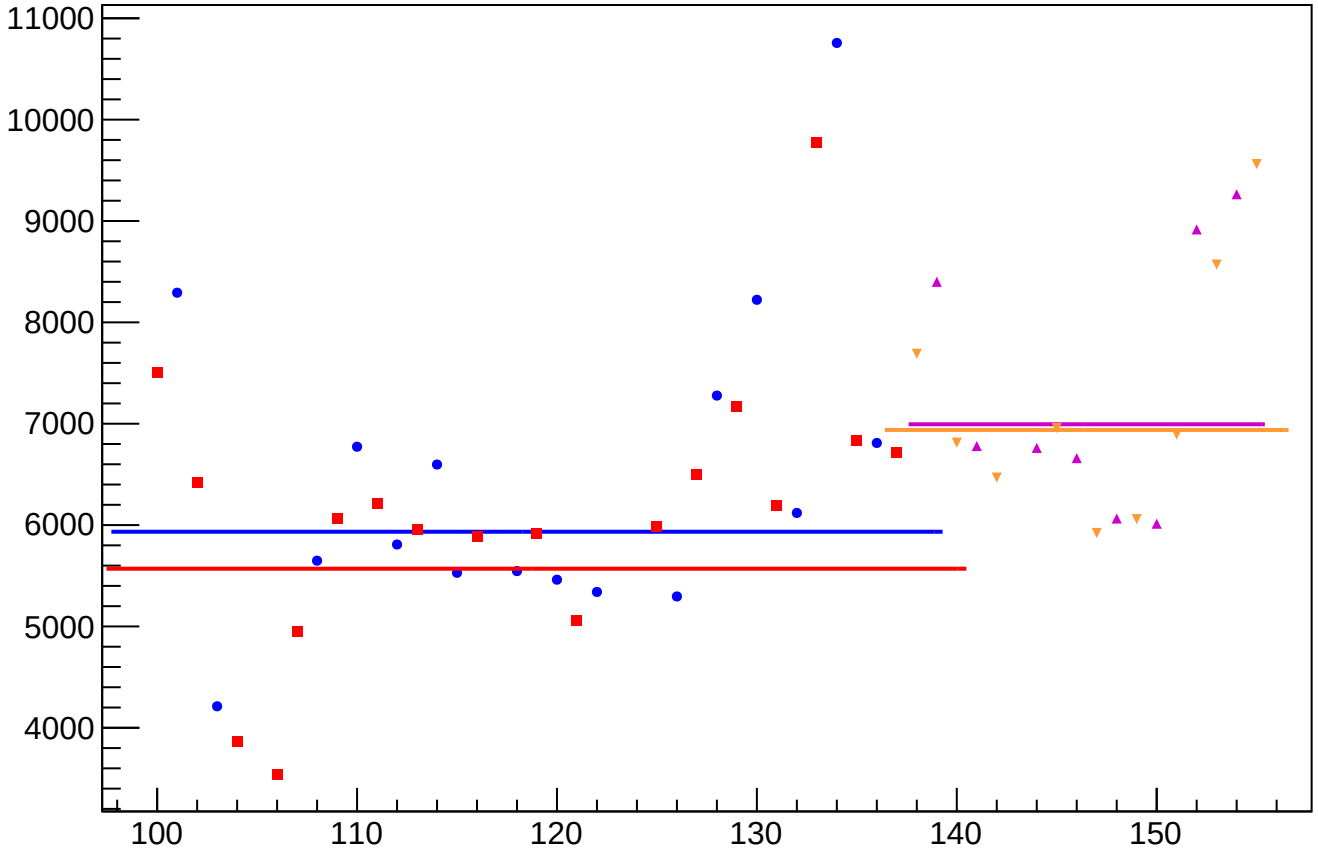
Left In: 872.114+/-2678.744 χ^2/NDF:4.1/7

+ sign -380.346+/-1723.357 χ^2/NDF: 24.8/24

All: 3.458+/-1198.786 χ^2/NDF: 45.4/50

- sign 363.278+/-1668.645 χ^2/NDF: 20.6/25

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6938.497+/-1.879 χ^2/NDF:287208.0/8

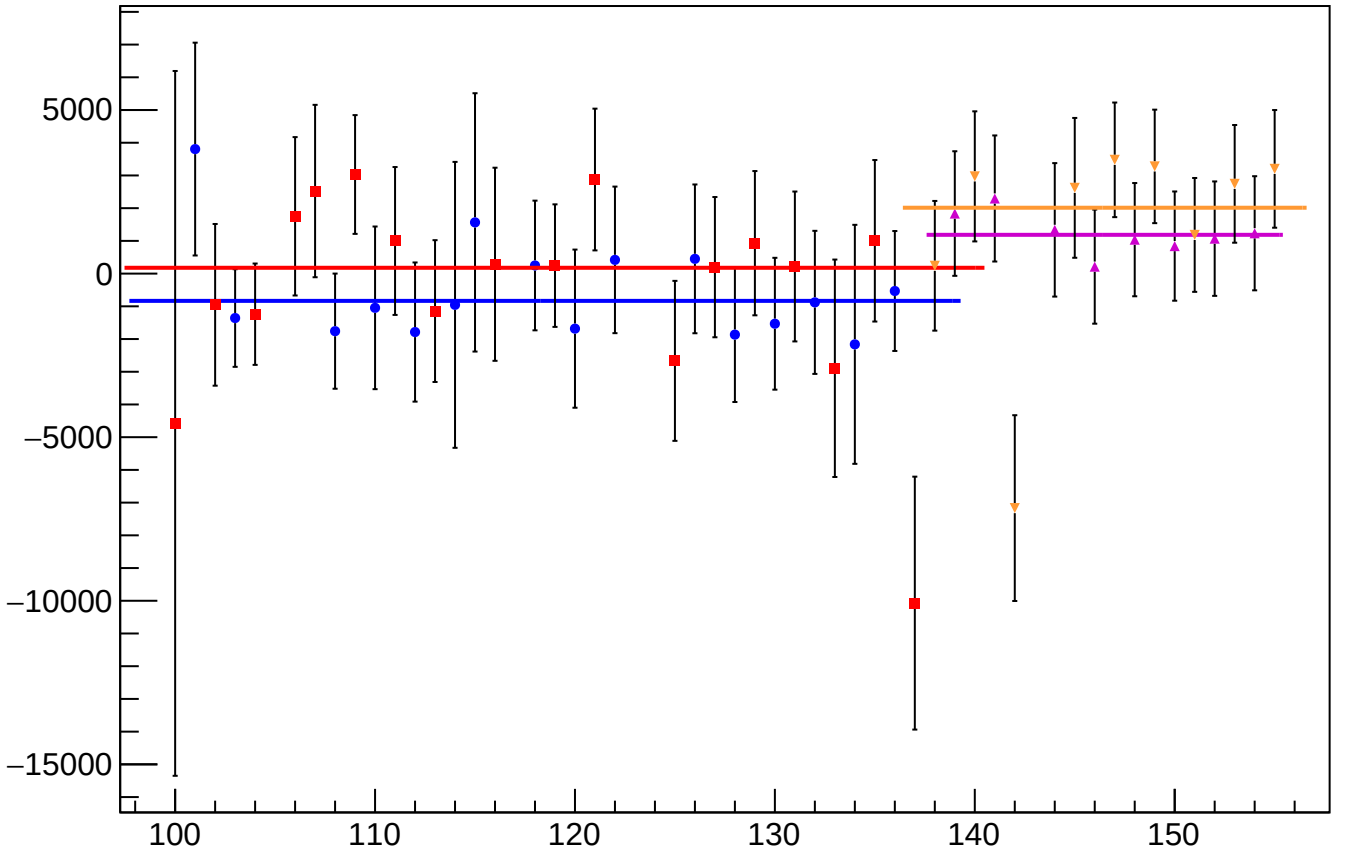
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6994.658+/-1.894 χ^2/NDF:328331.7/7

+ sign 6356.720+/-1.219 χ^2/NDF: 1105820.0/24

All: 6235.869+/-0.848 χ^2/NDF: 2523641.6/50

- sign 6122.569+/-1.180 χ^2/NDF: 1398765.8/25



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 2013.579+/-637.926 χ^2/NDF:13.6/8

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

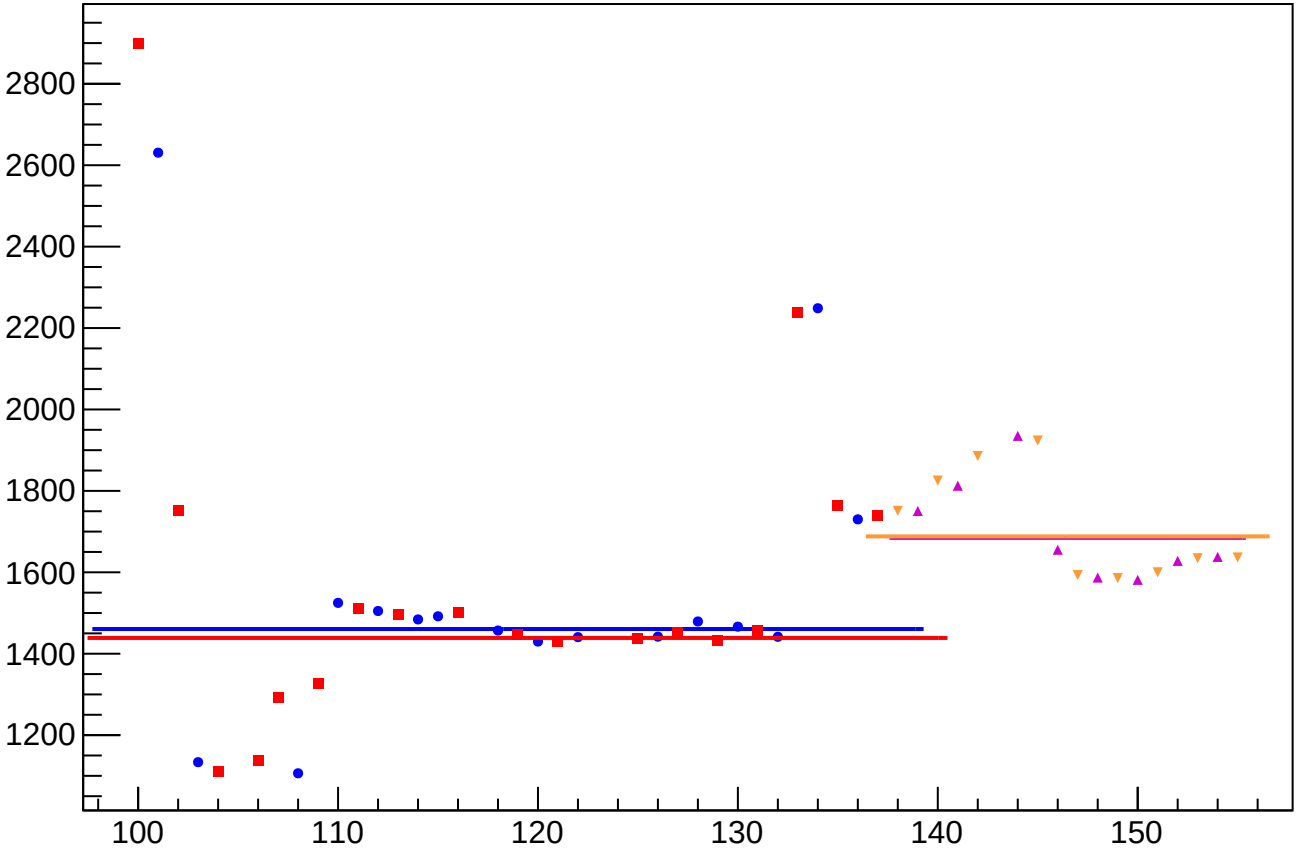
Left In: 1185.370+/-637.207 χ^2/NDF:0.8/7

+ sign 392.633+/-418.643 χ^2/NDF: 29.6/24

All: 500.249+/-294.875 χ^2/NDF: 48.4/50

- sign 606.208+/-415.408 χ^2/NDF: 18.7/25

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: 1688.206+/-0.451 χ^2/NDF:66923.9/8

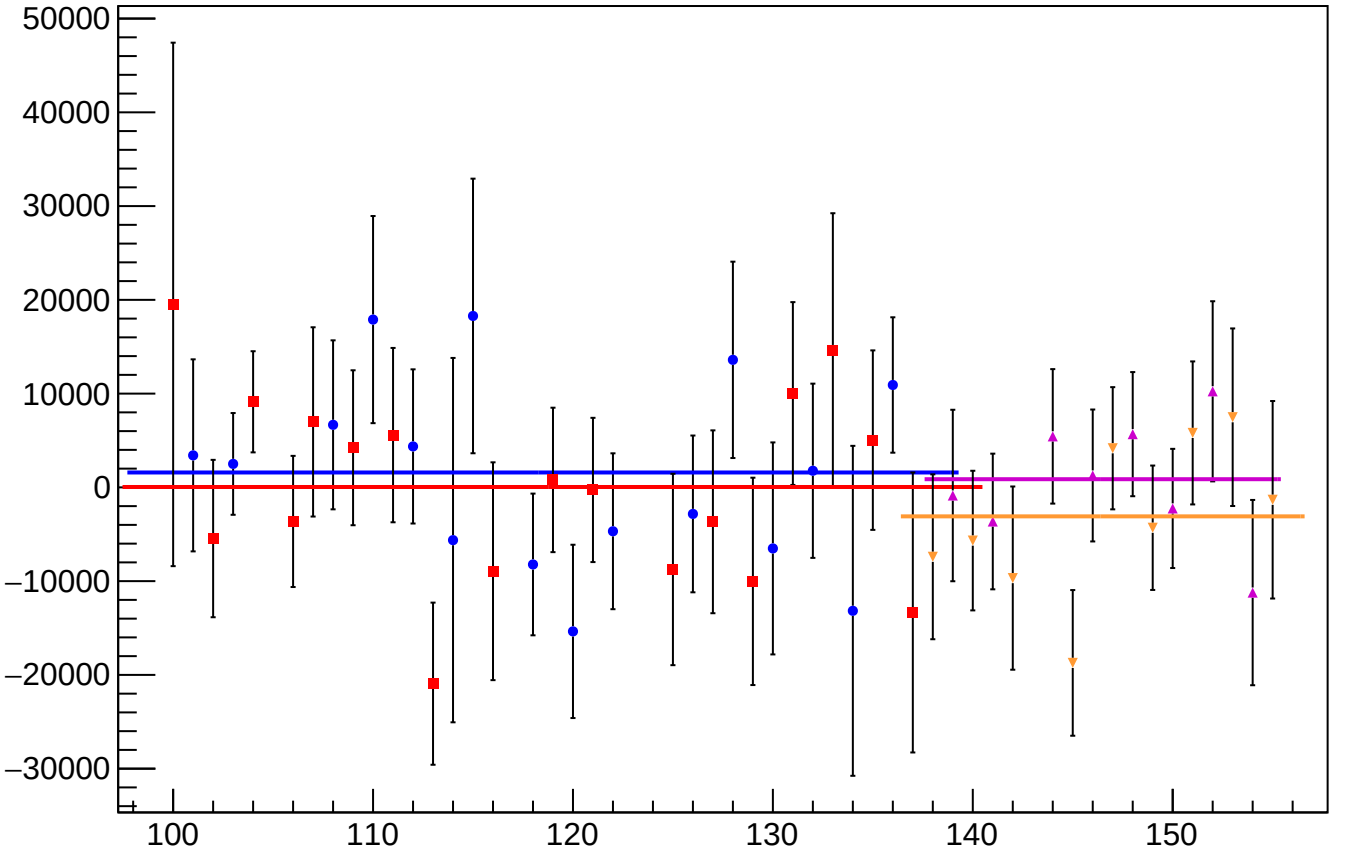
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1684.575+/-0.451 χ^2/NDF:59490.9/7

+ sign 1558.654+/-0.296 χ^2/NDF: 787542.8/24

All: 1550.735+/-0.208 χ^2/NDF: 1393295.8/50

- sign 1542.959+/-0.293 χ^2/NDF: 604334.7/25



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -3091.559+/-2656.961 χ^2/NDF:8.8/8

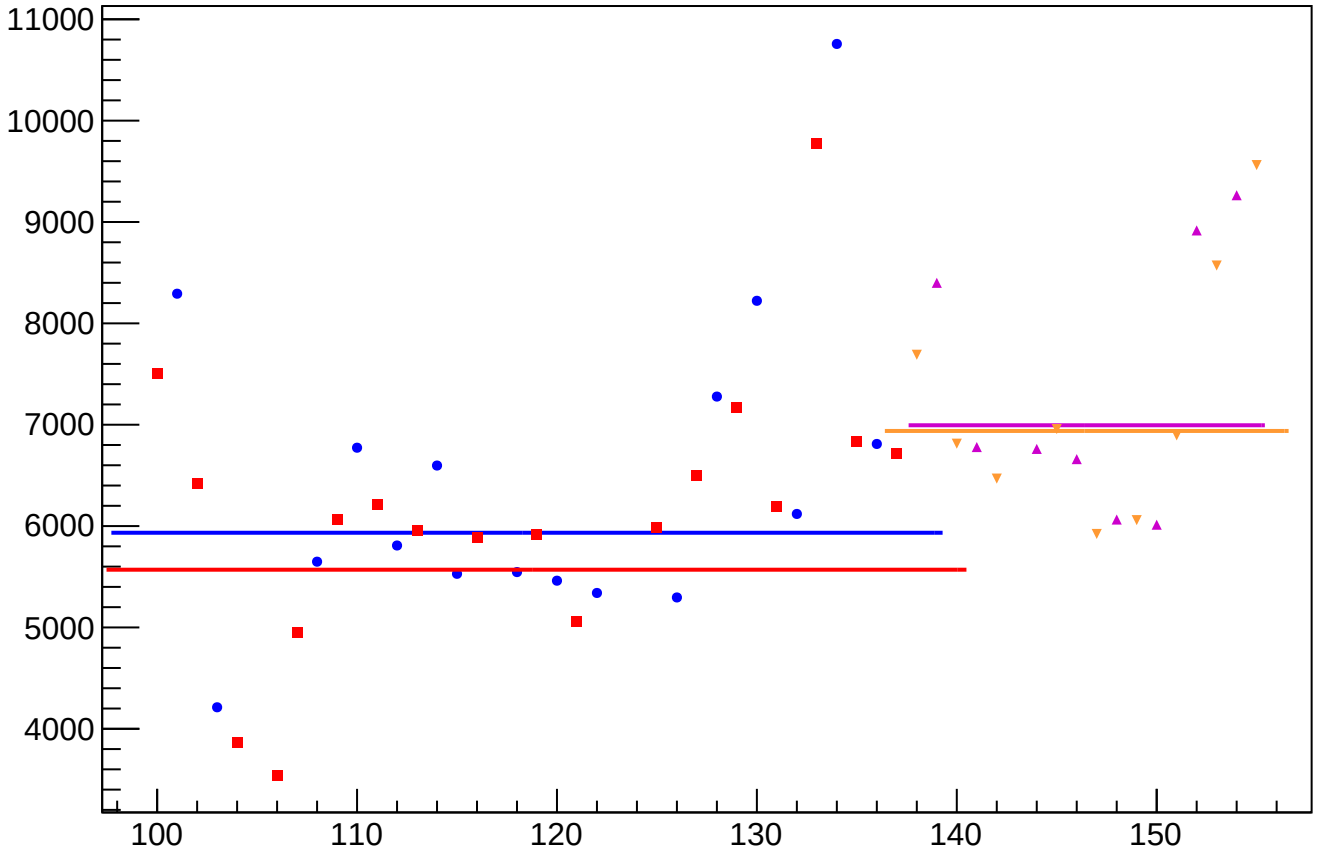
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 872.114+/-2678.744 χ^2/NDF:4.1/7

+ sign -380.346+/-1723.357 χ^2/NDF: 24.8/24

All: 3.458+/-1198.786 χ^2/NDF: 45.4/50

- sign 363.278+/-1668.645 χ^2/NDF: 20.6/25



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6938.497+/-1.879 χ^2/NDF:287208.0/8

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

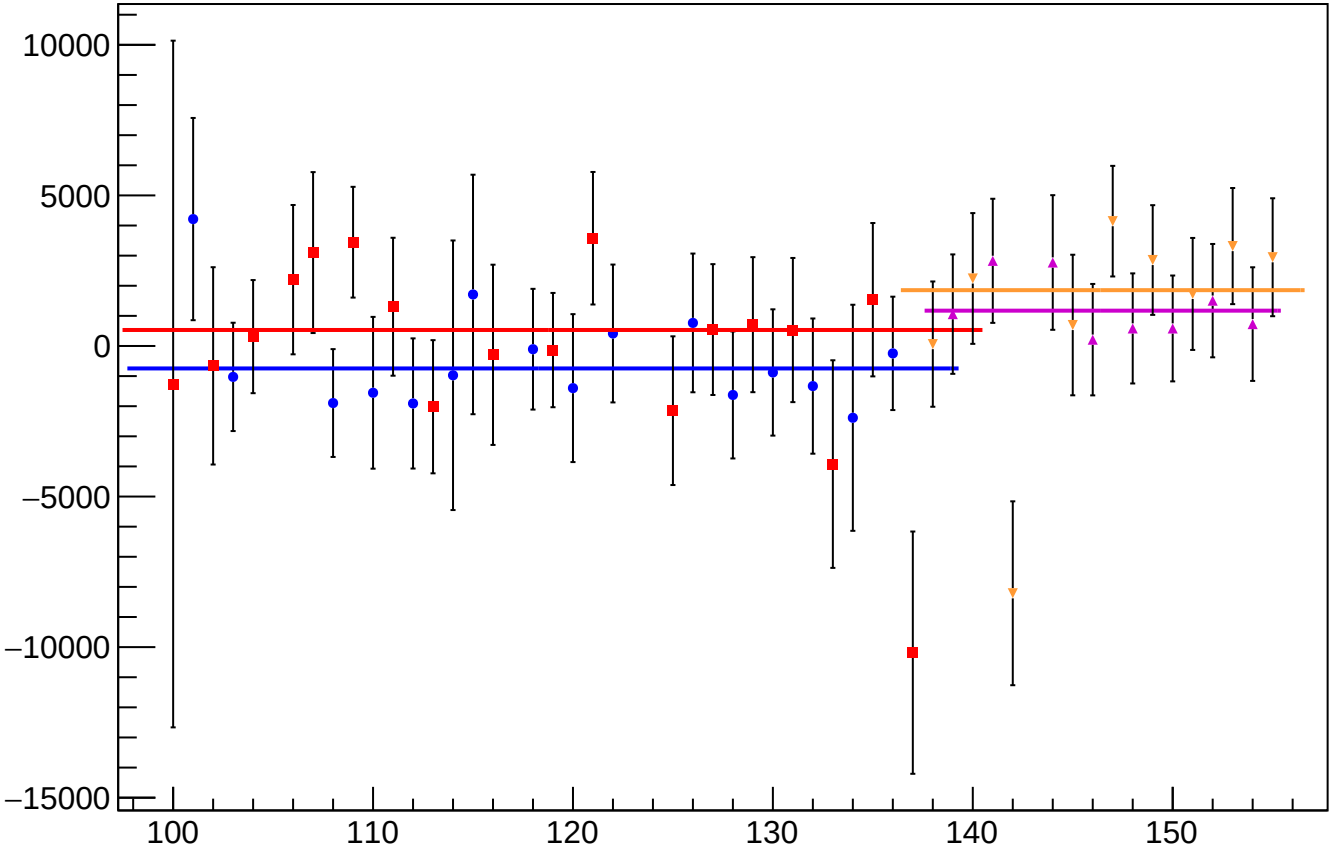
Left In: 6994.658+/-1.894 χ^2/NDF:328331.7/7

+ sign 6356.720+/-1.219 χ^2/NDF: 1105820.0/24

All: 6235.869+/-0.848 χ^2/NDF: 2523641.6/50

- sign 6122.569+/-1.180 χ^2/NDF: 1398765.8/25

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1853.385+/-681.840 χ^2/NDF:14.6/8

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

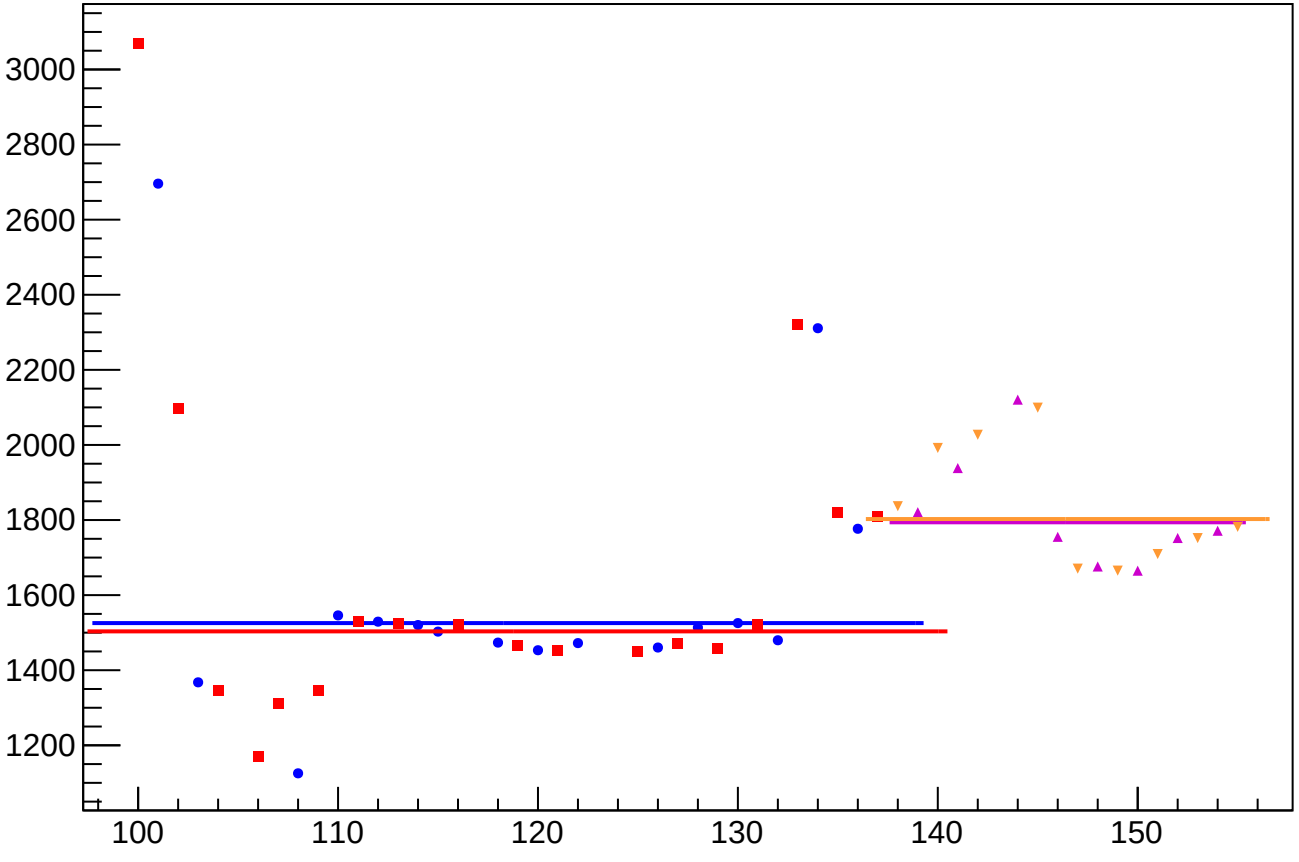
Left In: 1172.943+/-679.113 χ^2/NDF:1.7/7

+ sign 341.093+/-440.931 χ^2/NDF: 27.9/24

All: 571.252+/-311.058 χ^2/NDF: 48.4/50

- sign 799.276+/-438.882 χ^2/NDF: 20.0/25

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1802.628+/-0.482 χ^2/NDF:87241.8/8

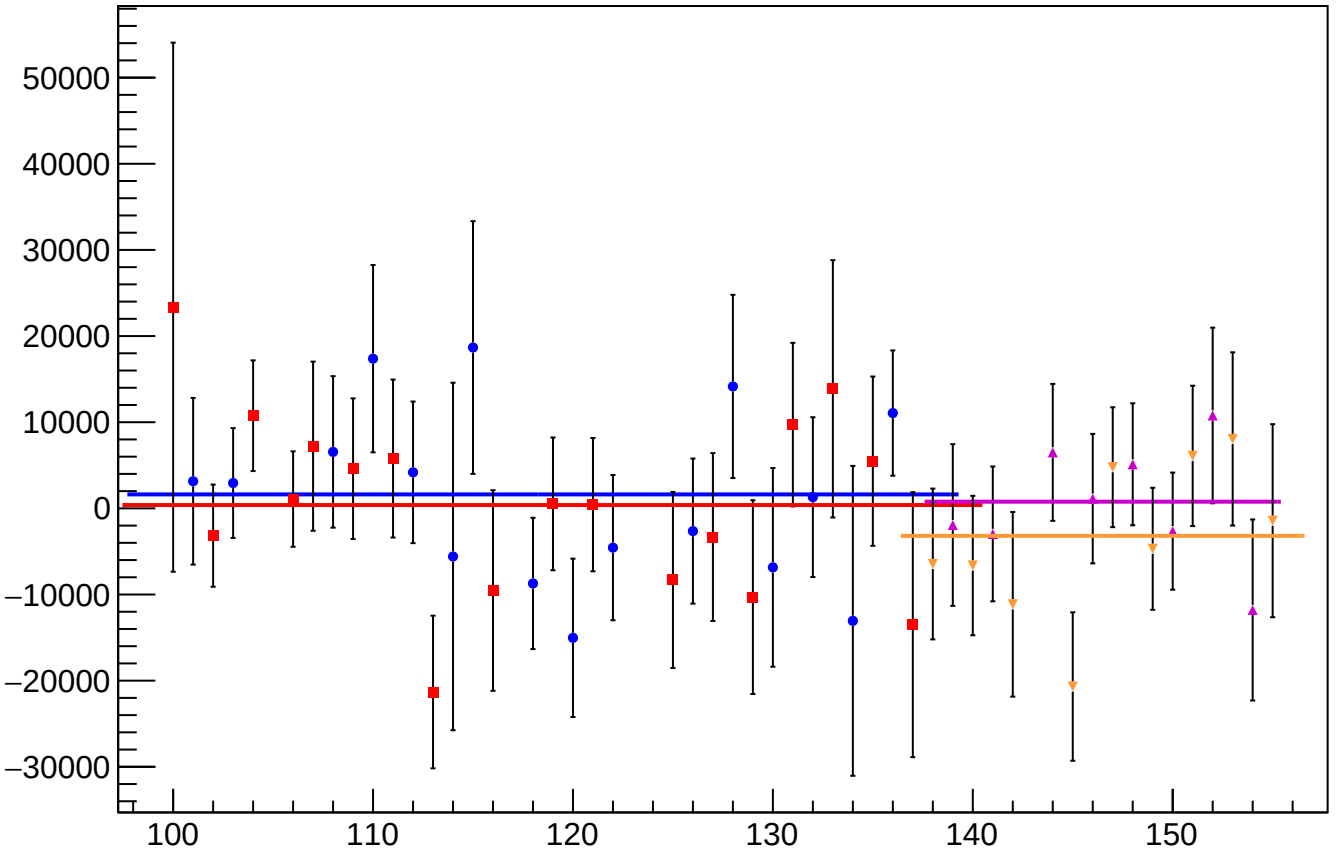
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1793.939+/-0.480 χ^2/NDF:74100.2/7

+ sign 1641.414+/-0.312 χ^2/NDF: 767743.0/24

All: 1633.027+/-0.220 χ^2/NDF: 1394968.6/50

- sign 1624.722+/-0.310 χ^2/NDF: 625785.7/25



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -3193.336+/-2839.597 χ^2/NDF:8.9/8

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

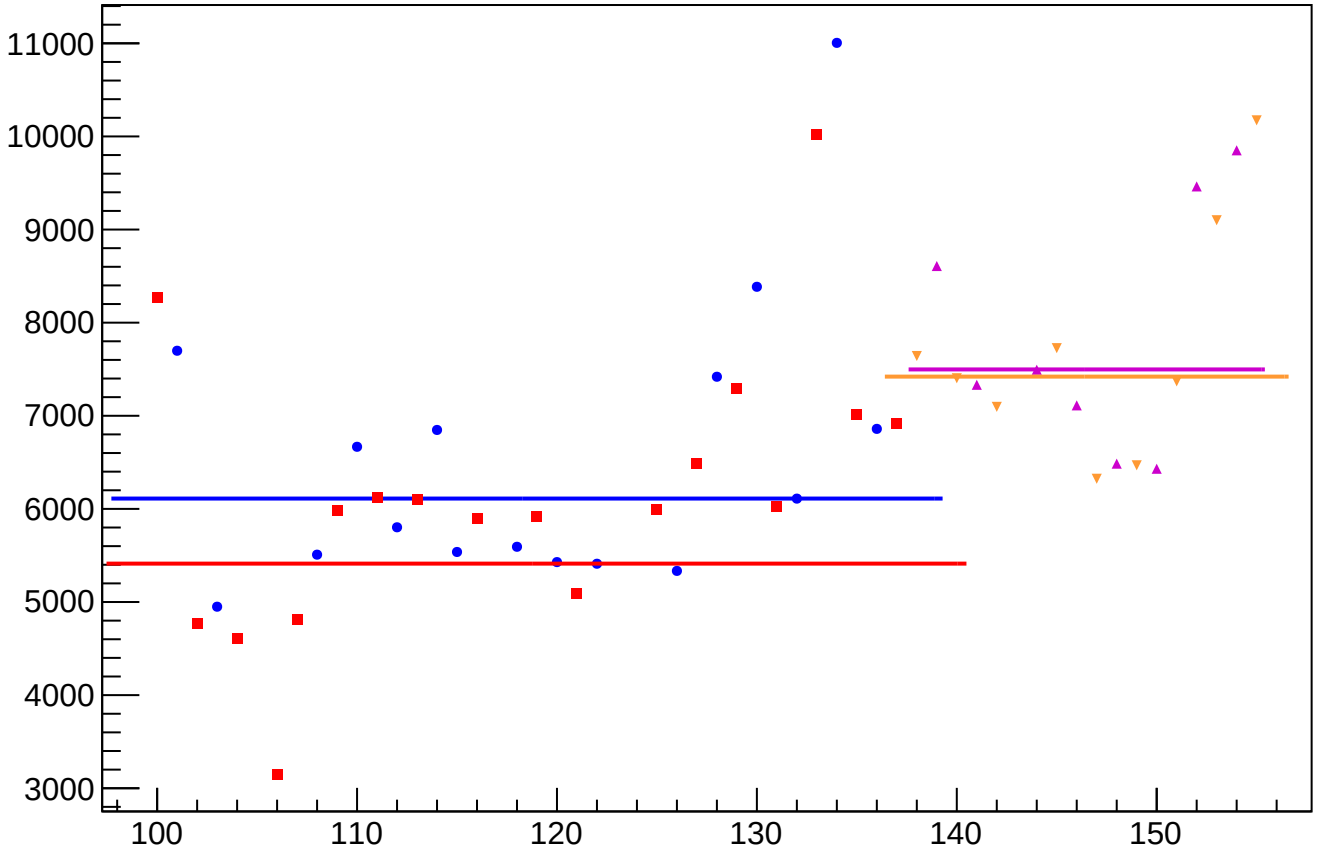
Left In: 775.630+/-2869.027 χ^2/NDF:3.9/7

\+ sign -306.805+/-1796.621 χ^2/NDF: 24.9/24

All: 135.060+/-1224.676 χ^2/NDF: 44.9/50

\- sign 518.576+/-1673.800 χ^2/NDF: 19.9/25

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7420.651+/-2.008 χ^2/NDF:268046.3/8

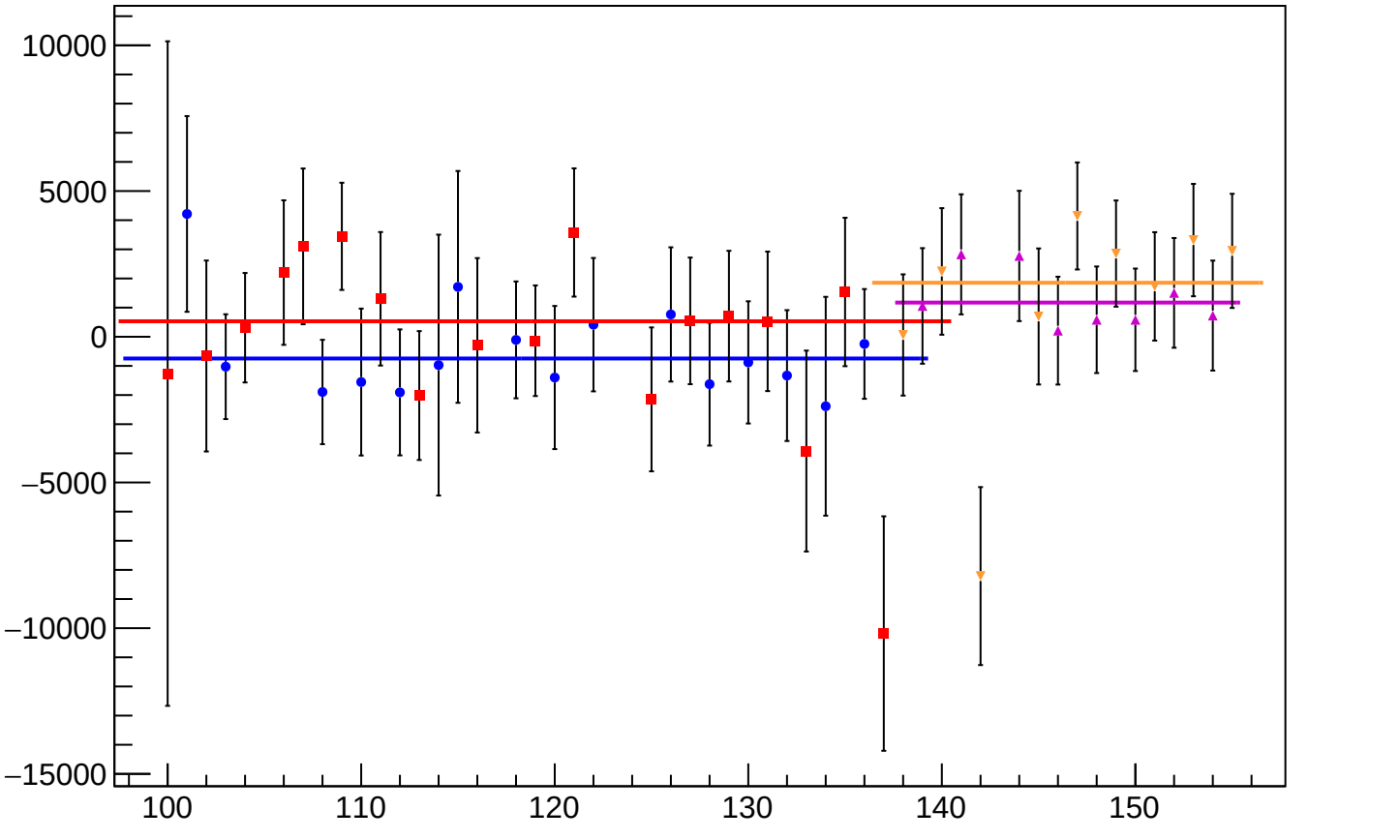
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7497.781+/-2.029 χ^2/NDF:298904.9/7

+ sign 6635.292+/-1.270 χ^2/NDF: 994818.1/24

All: 6360.555+/-0.866 χ^2/NDF: 2899706.7/50

- sign 6122.098+/-1.184 χ^2/NDF: 1817528.1/25



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1853.381+/-681.841 χ^2/NDF:14.6/8

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

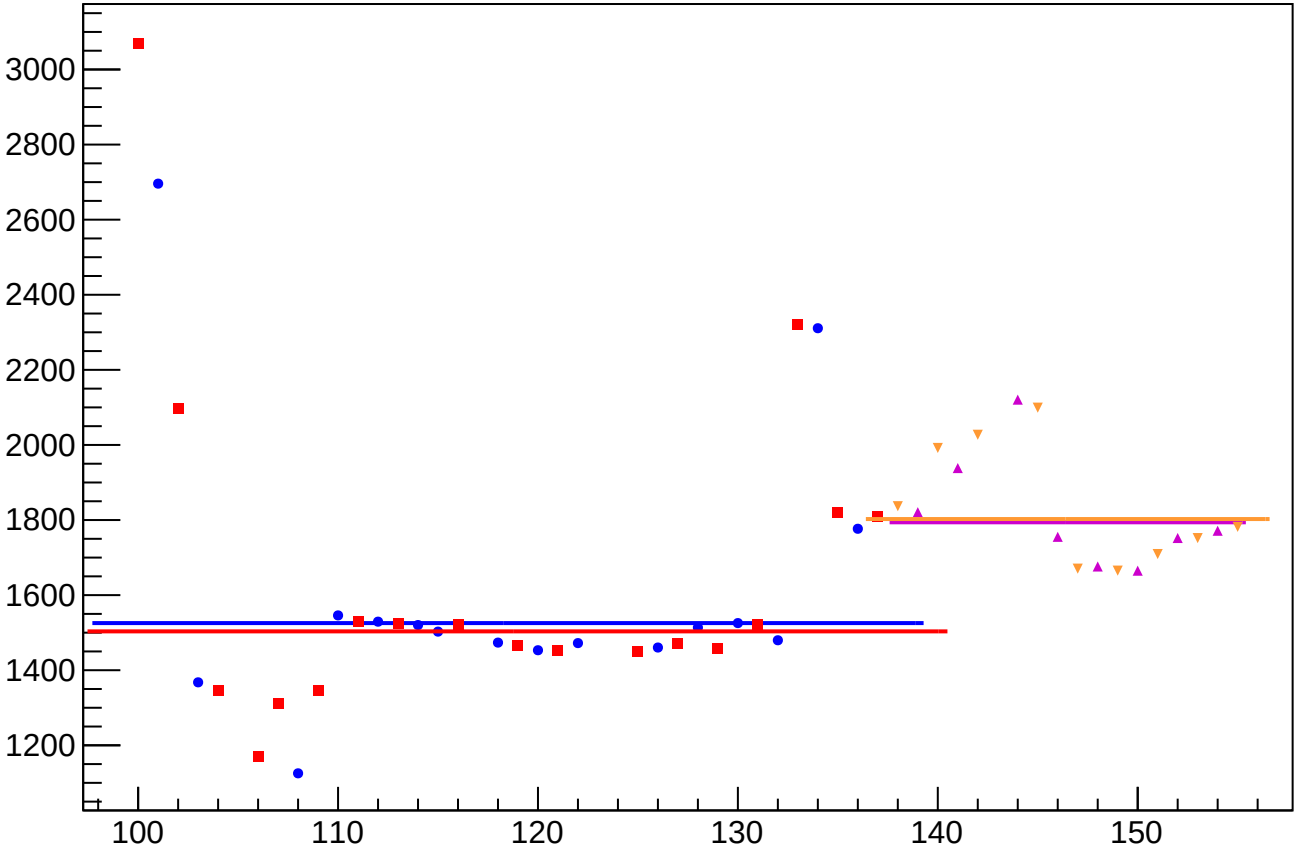
Left In: 1172.938+/-679.114 χ^2/NDF:1.7/7

\+ sign 341.087+/-440.931 χ^2/NDF: 27.9/24

All: 571.251+/-311.058 χ^2/NDF: 48.4/50

\- sign 799.280+/-438.882 χ^2/NDF: 20.0/25

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1802.630+/-0.482 χ^2/NDF:87242.8/8

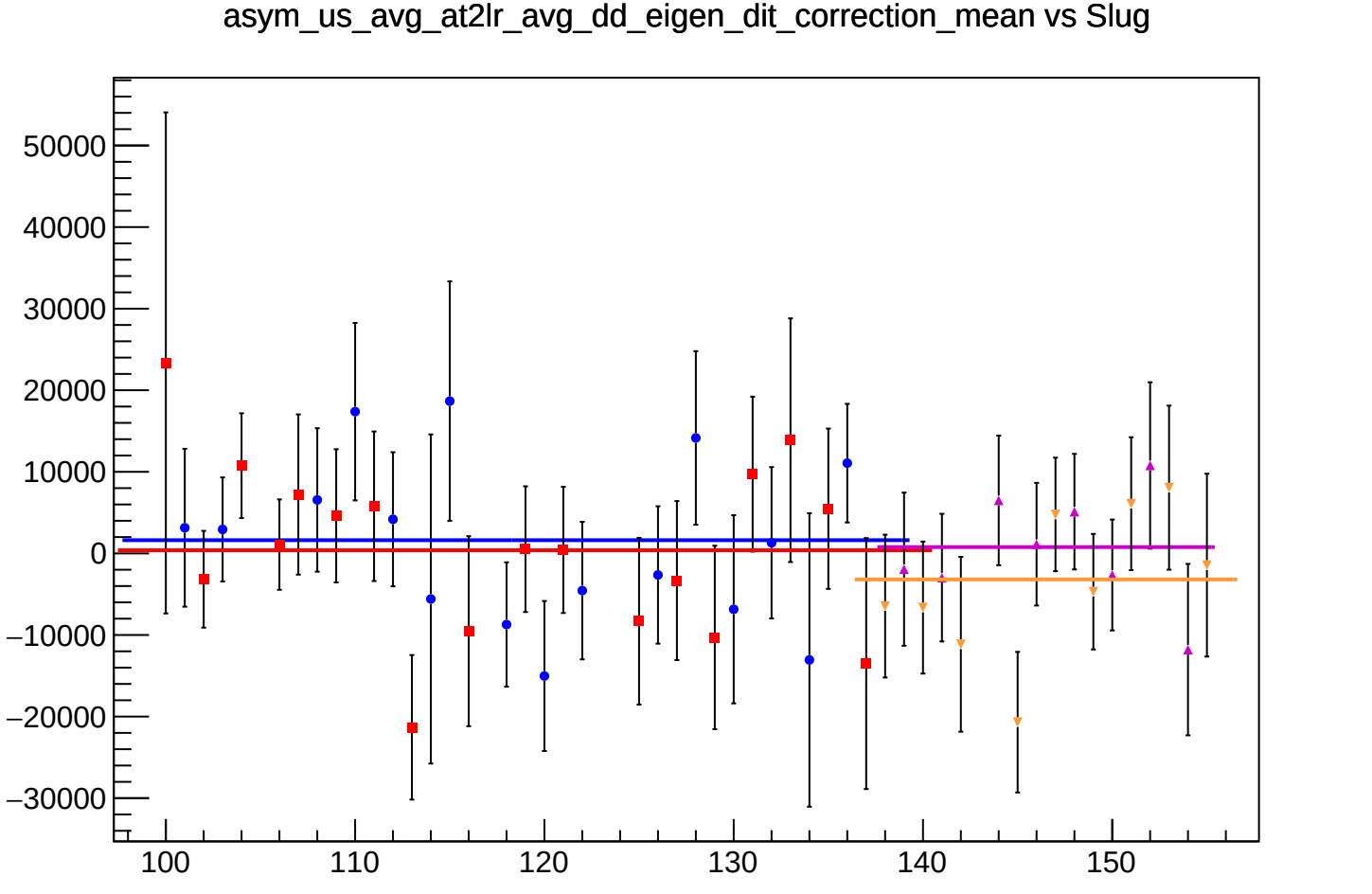
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1793.941+/-0.480 χ^2/NDF:74100.4/7

+ sign 1641.414+/-0.312 χ^2/NDF: 767746.0/24

All: 1633.028+/-0.220 χ^2/NDF: 1394974.8/50

- sign 1624.723+/-0.310 χ^2/NDF: 625788.9/25



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -3193.337+/-2839.600 χ^2/NDF:8.9/8

Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

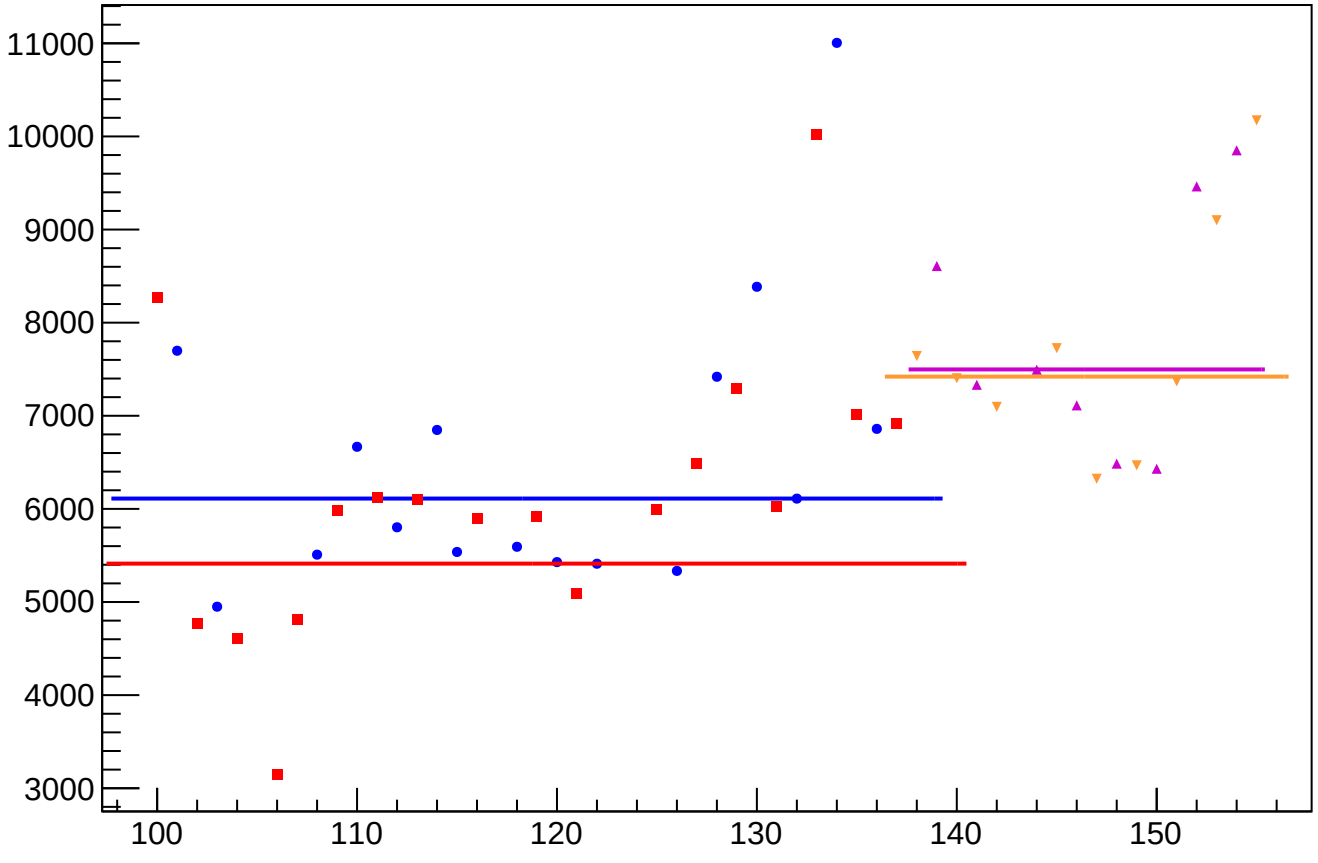
Left In: 775.625+/-2869.030 χ^2/NDF:3.9/7

+ sign -306.810+/-1796.619 χ^2/NDF: 24.9/24

All: 135.058+/-1224.675 χ^2/NDF: 44.9/50

- sign 518.578+/-1673.799 χ^2/NDF: 19.9/25

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7420.659+/-2.008 χ^2/NDF:268046.9/8

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

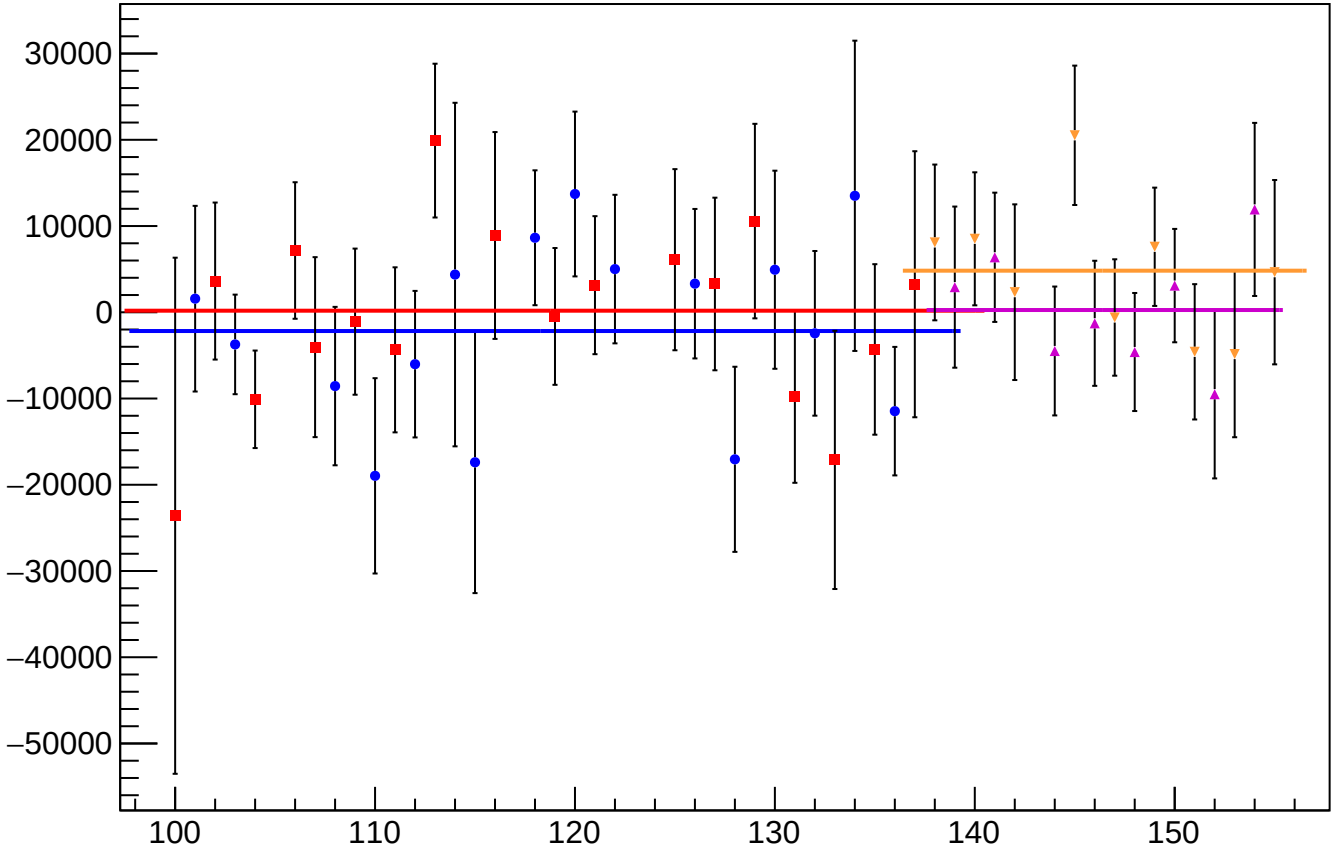
Left In: 7497.790+/-2.029 χ^2/NDF:298905.4/7

+ sign 6635.285+/-1.270 χ^2/NDF: 994829.6/24

All: 6360.548+/-0.866 χ^2/NDF: 2899732.6/50

- sign 6122.090+/-1.184 χ^2/NDF: 1817542.1/25

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 4823.341+/-2742.110 χ^2/NDF:7.4/8

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

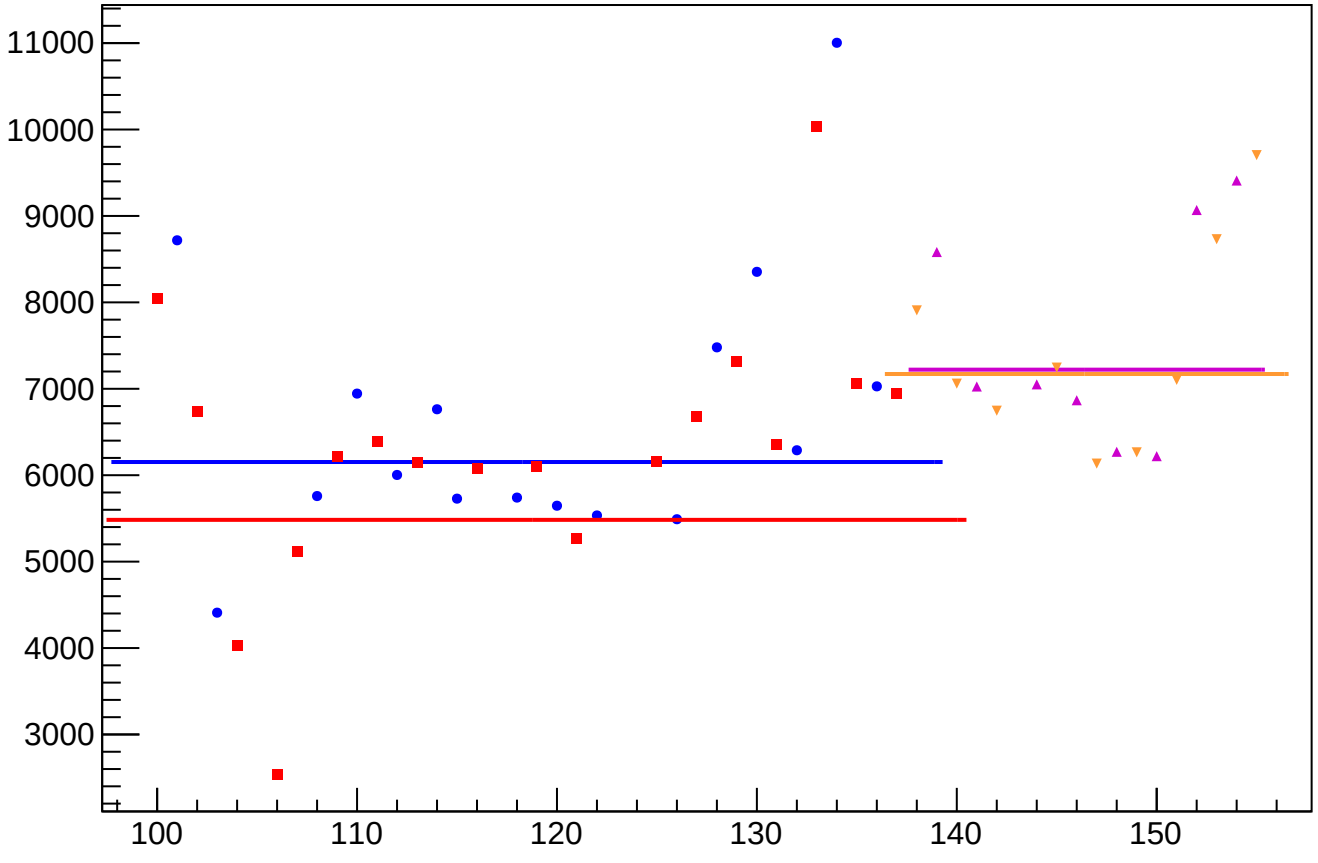
Left In: 261.980+/-2761.946 χ^2/NDF:4.2/7

\+ sign 785.601+/-1783.352 χ^2/NDF: 25.8/24

All: 492.120+/-1243.399 χ^2/NDF: 44.7/50

\- sign 214.488+/-1734.529 χ^2/NDF: 18.9/25

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7171.028+/-1.939 χ^2/NDF:264268.3/8

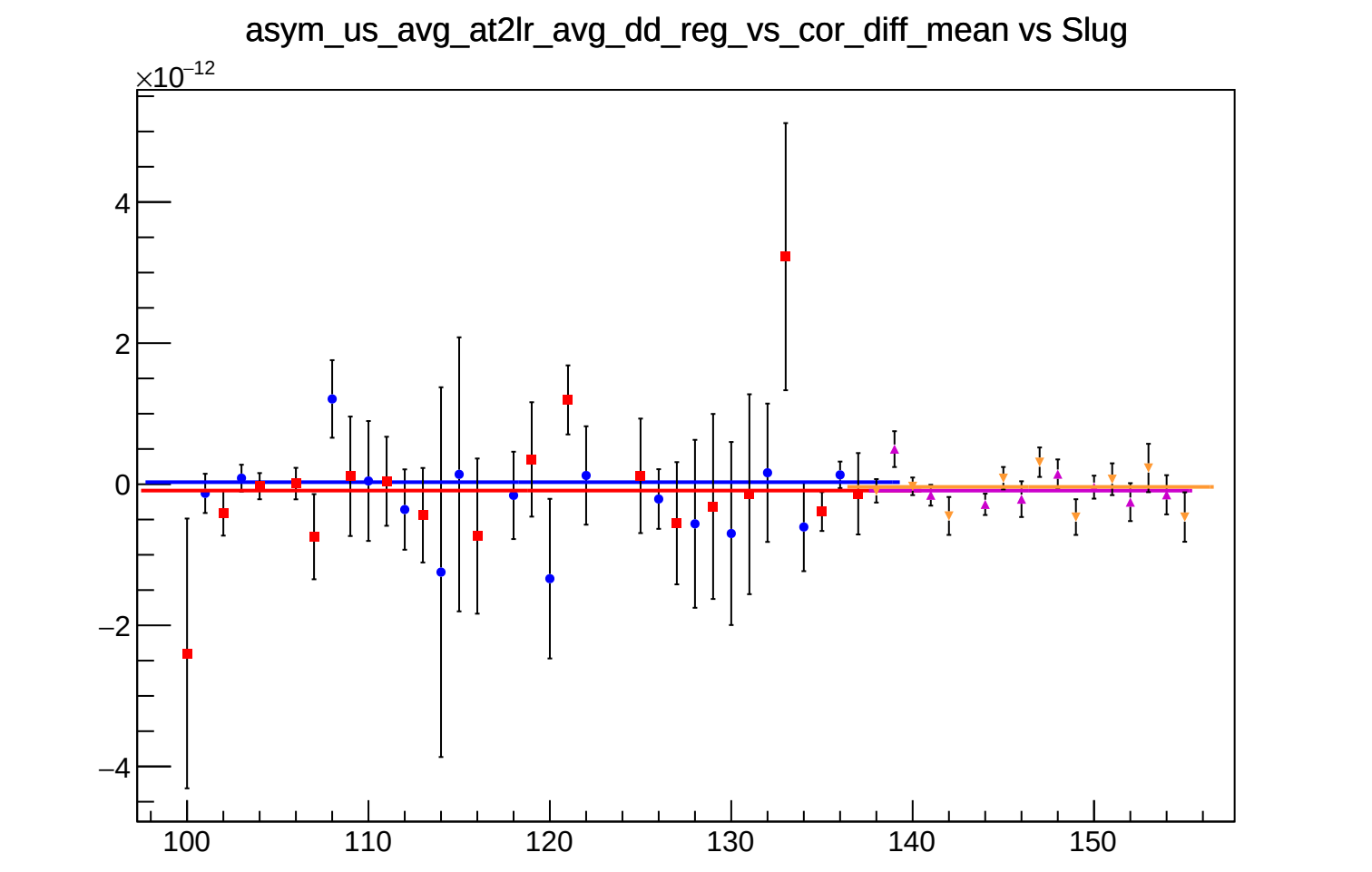
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7221.370+/-1.953 χ^2/NDF:301188.1/7

+ sign 6583.408+/-1.261 χ^2/NDF: 1047460.3/24

All: 6349.893+/-0.869 χ^2/NDF: 3056019.9/50

- sign 6138.693+/-1.199 χ^2/NDF: 1943253.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/8

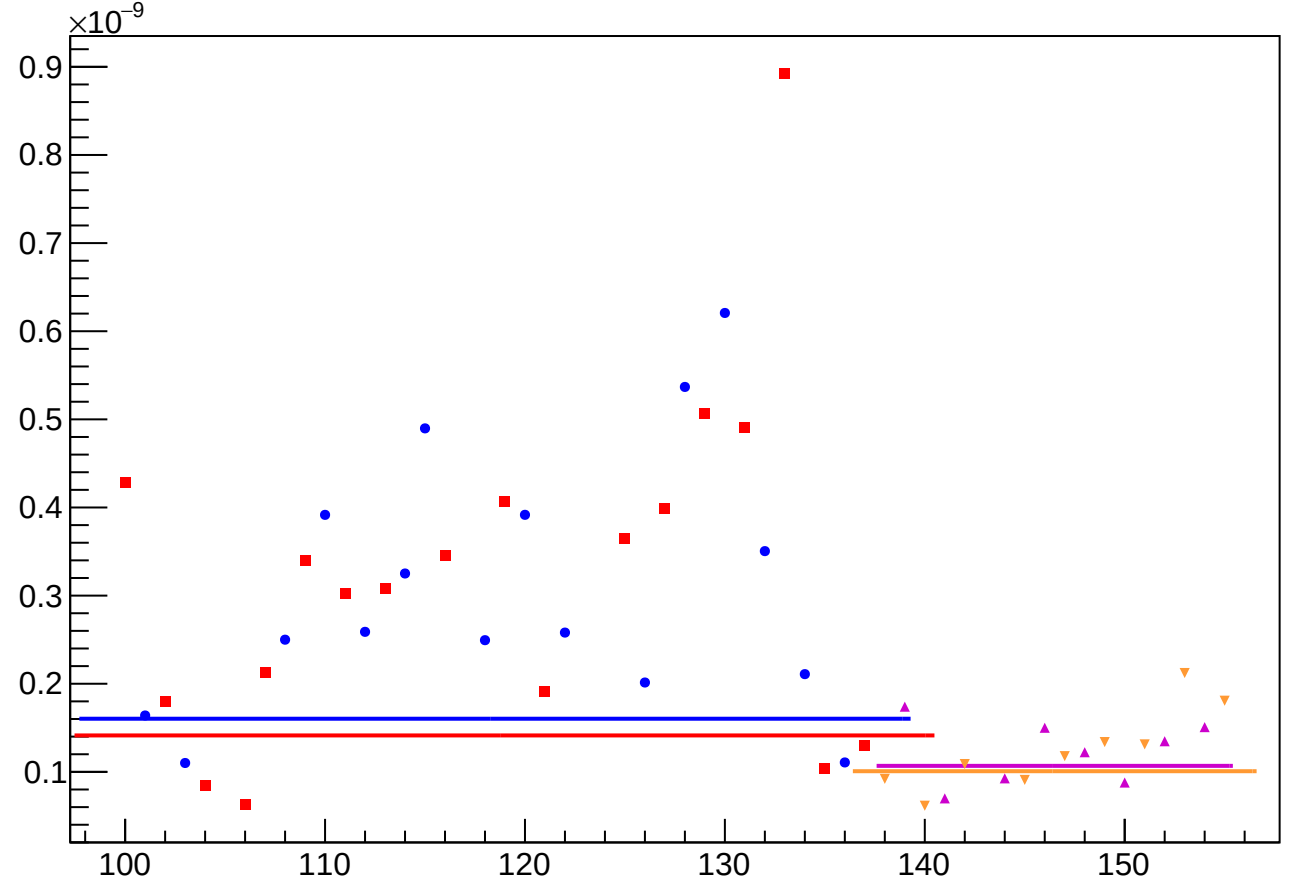
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:9.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 20.9/24

All: -0.000+/-0.000 χ^2/NDF: 47.4/50

- sign -0.000+/-0.000 χ^2/NDF: 25.7/25



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:611740.8/8

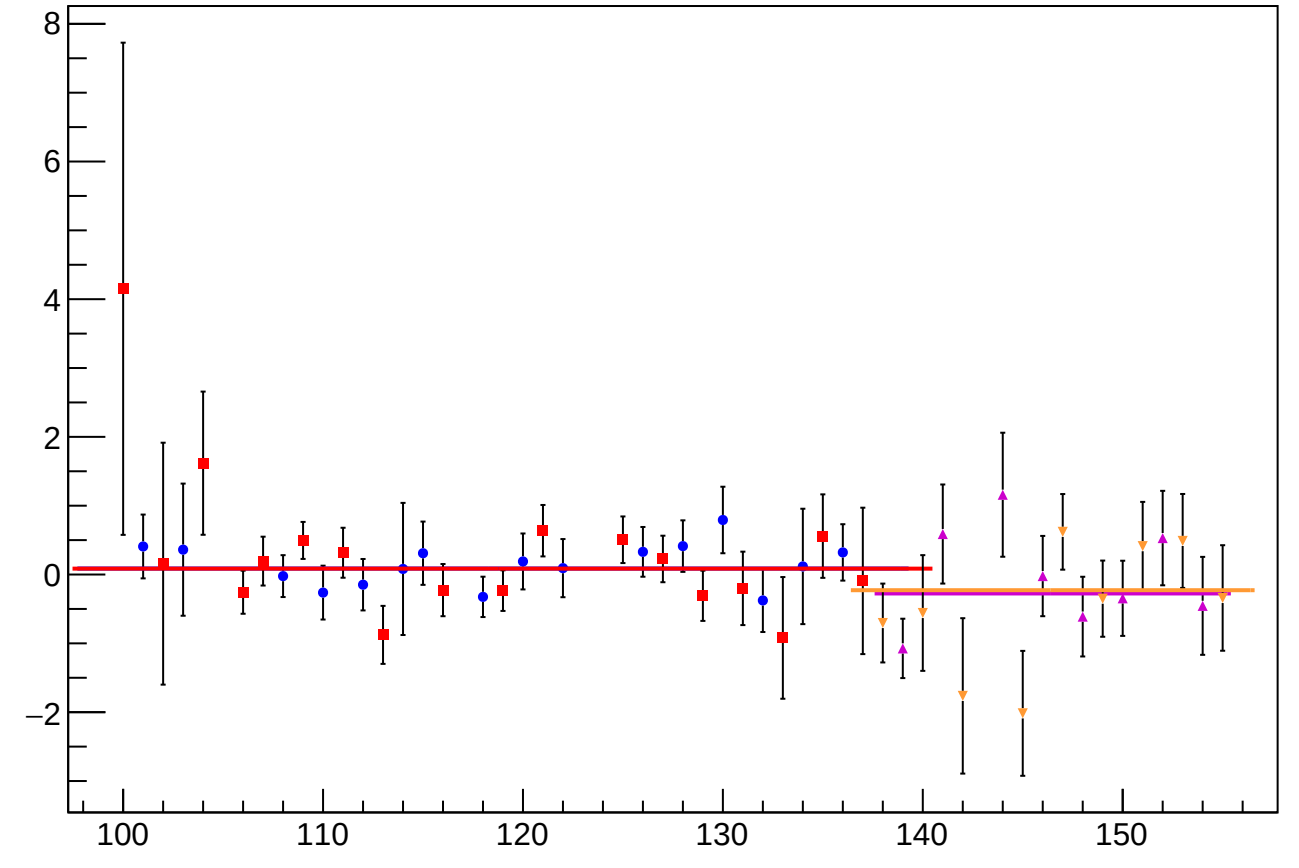
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:450272.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 2410324.4/24

All: 0.000+/-0.000 χ^2/NDF: 5182109.3/50

- sign 0.000+/-0.000 χ^2/NDF: 2771755.5/25



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.228+/-0.228 χ^2/NDF:11.1/8

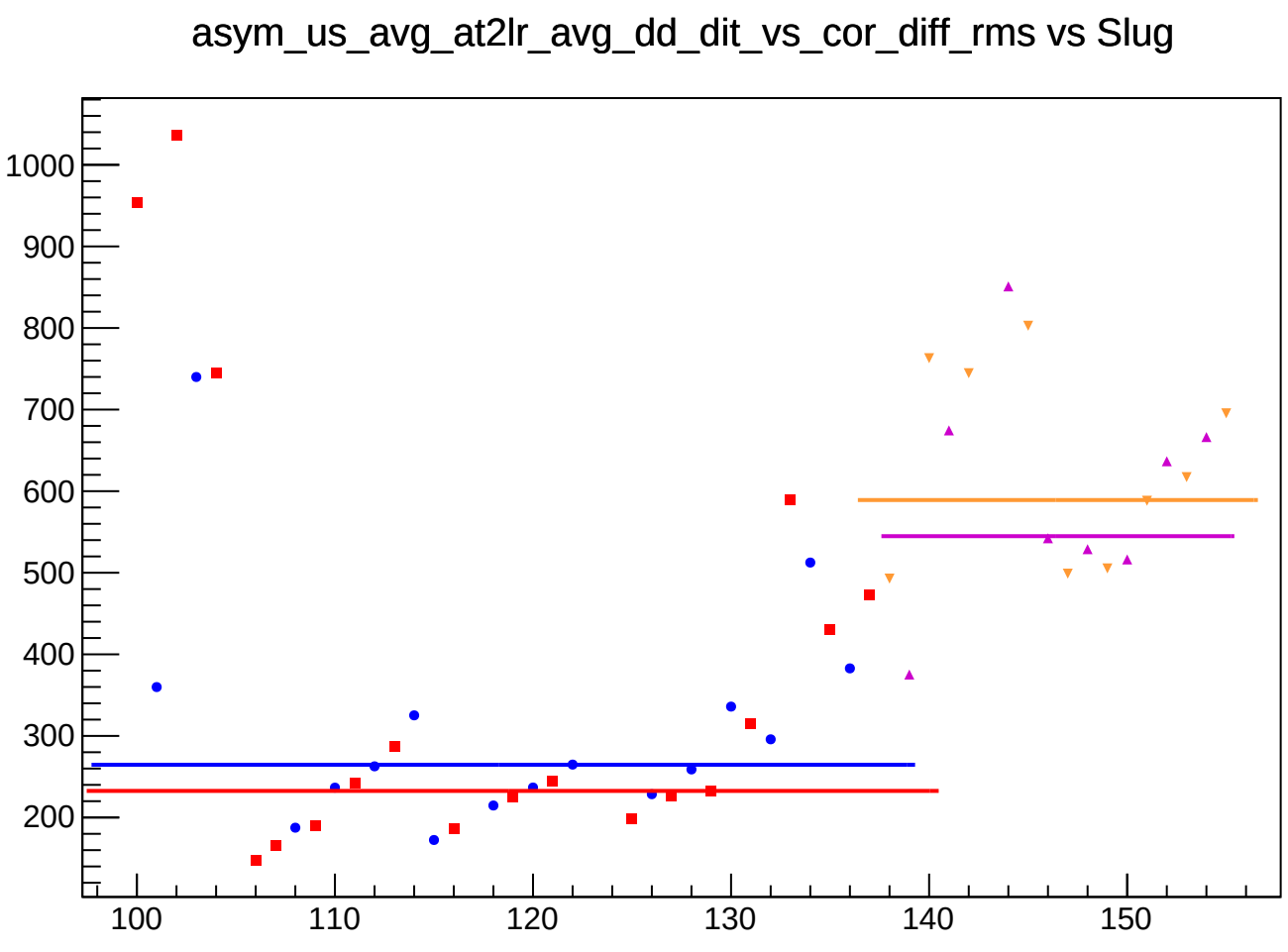
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.275+/-0.214 χ^2/NDF:9.4/7

+ sign 0.032+/-0.095 χ^2/NDF: 21.5/24

All: 0.027+/-0.065 χ^2/NDF: 55.1/50

- sign 0.024+/-0.089 χ^2/NDF: 33.6/25


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug
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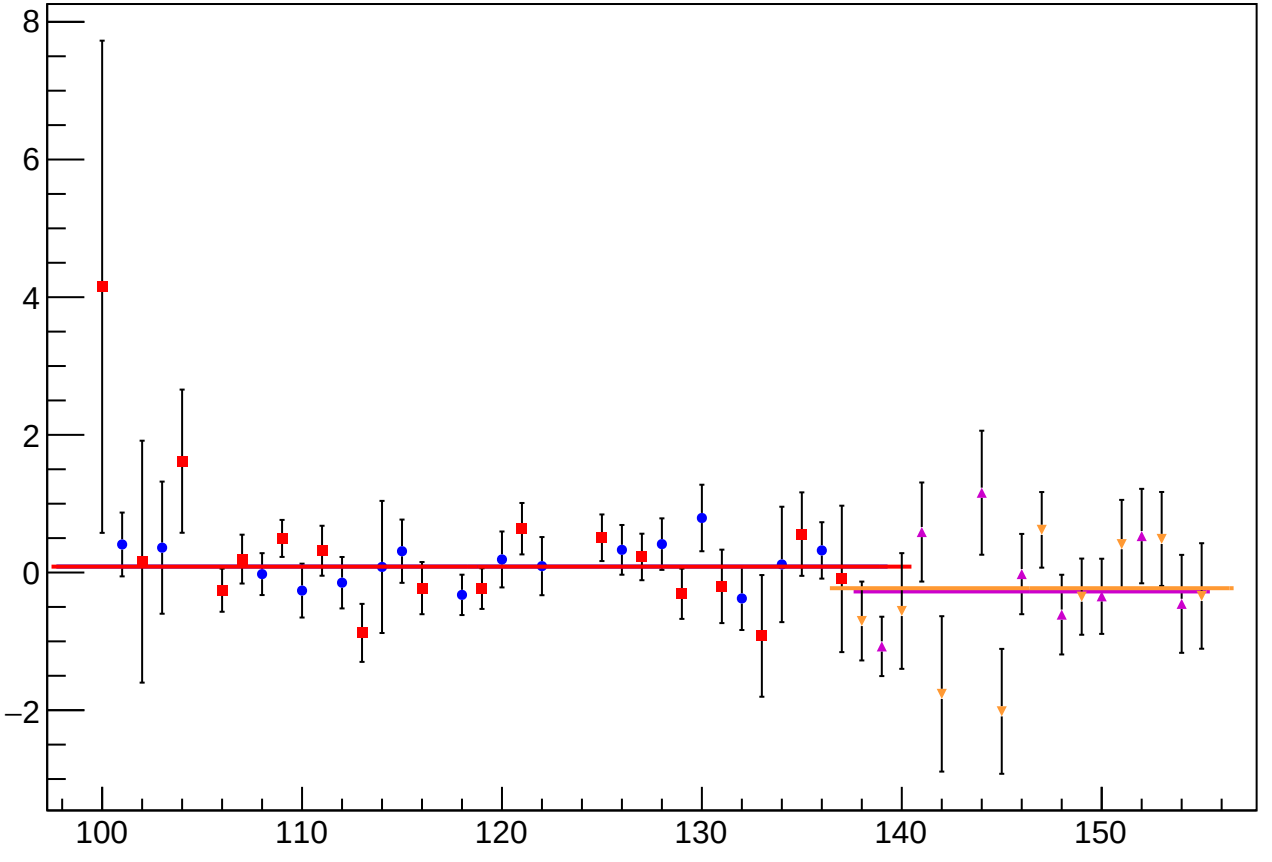
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 589.142+/-0.161 χ²/NDF:432588.6/8
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 544.839+/-0.151 χ²/NDF:706225.9/7
+ sign 321.690+/-0.067 χ²/NDF: 5068078.0/24
All: 302.674+/-0.046 χ²/NDF: 11493535.1/50
- sign 286.282+/-0.063 χ²/NDF: 6277494.9/25

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.228+/-0.228 χ^2/NDF:11.1/8

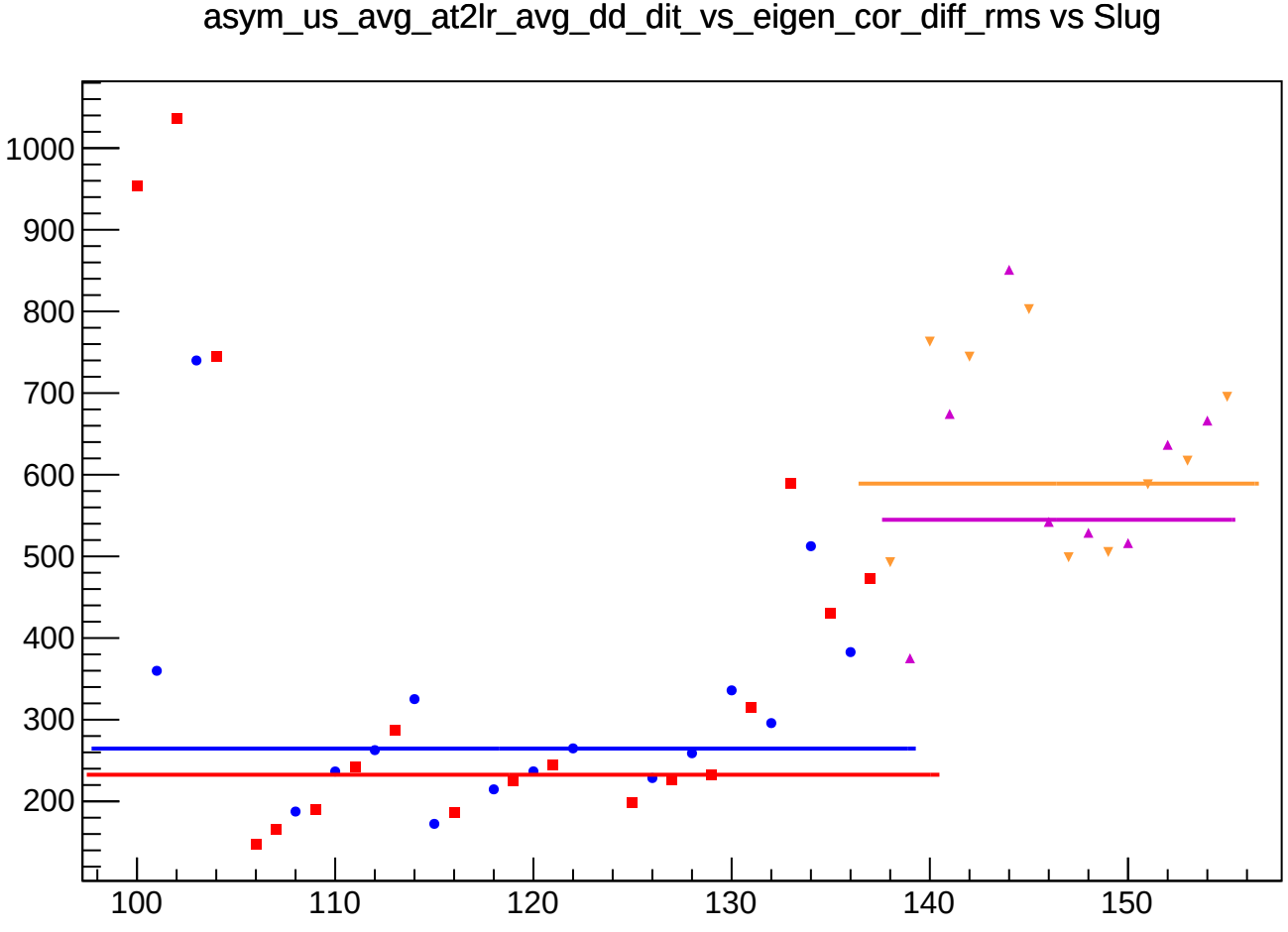
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.275+/-0.214 χ^2/NDF:9.4/7

+ sign 0.032+/-0.095 χ^2/NDF: 21.5/24

All: 0.027+/-0.065 χ^2/NDF: 55.1/50

- sign 0.024+/-0.089 χ^2/NDF: 33.6/25


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
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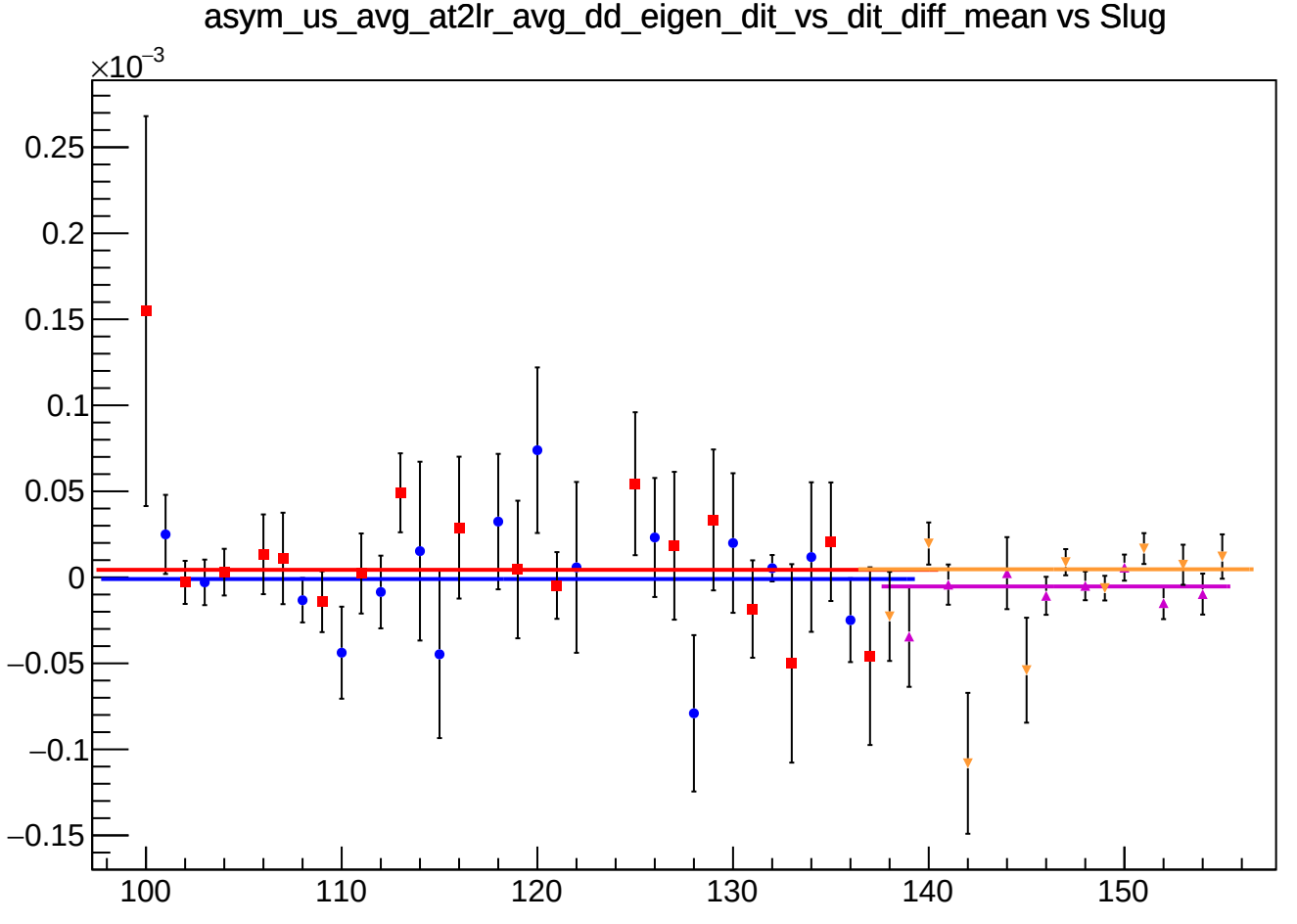
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 589.142+/-0.161 χ²/NDF:432588.6/8
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 544.839+/-0.151 χ²/NDF:706225.9/7
+ sign 321.690+/-0.067 χ²/NDF: 5068078.0/24
All: 302.674+/-0.046 χ²/NDF: 11493535.1/50
- sign 286.282+/-0.063 χ²/NDF: 6277494.9/25



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/8

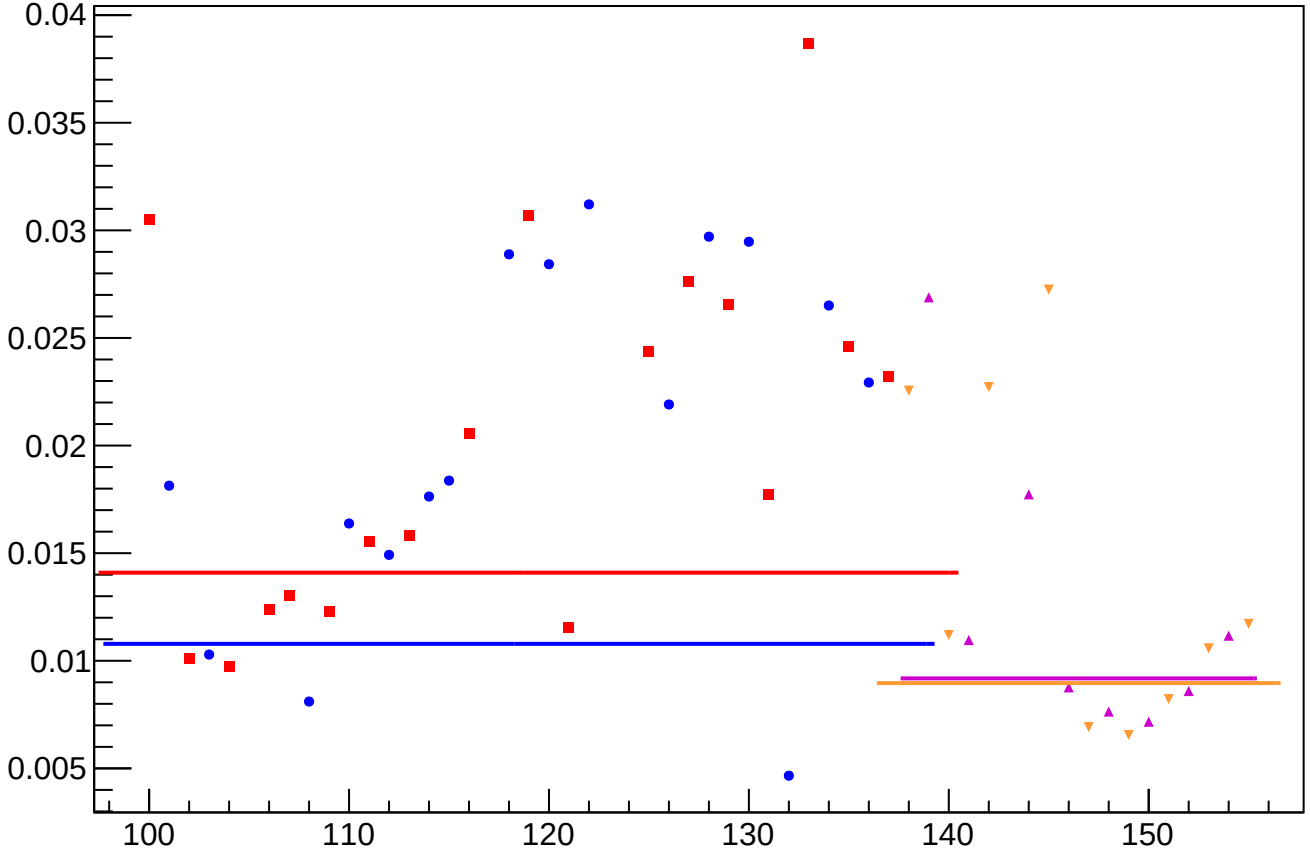
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:4.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 33.9/24

All: 0.000+/-0.000 χ^2/NDF: 54.5/50

- sign -0.000+/-0.000 χ^2/NDF: 19.2/25



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2075422.0/8

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

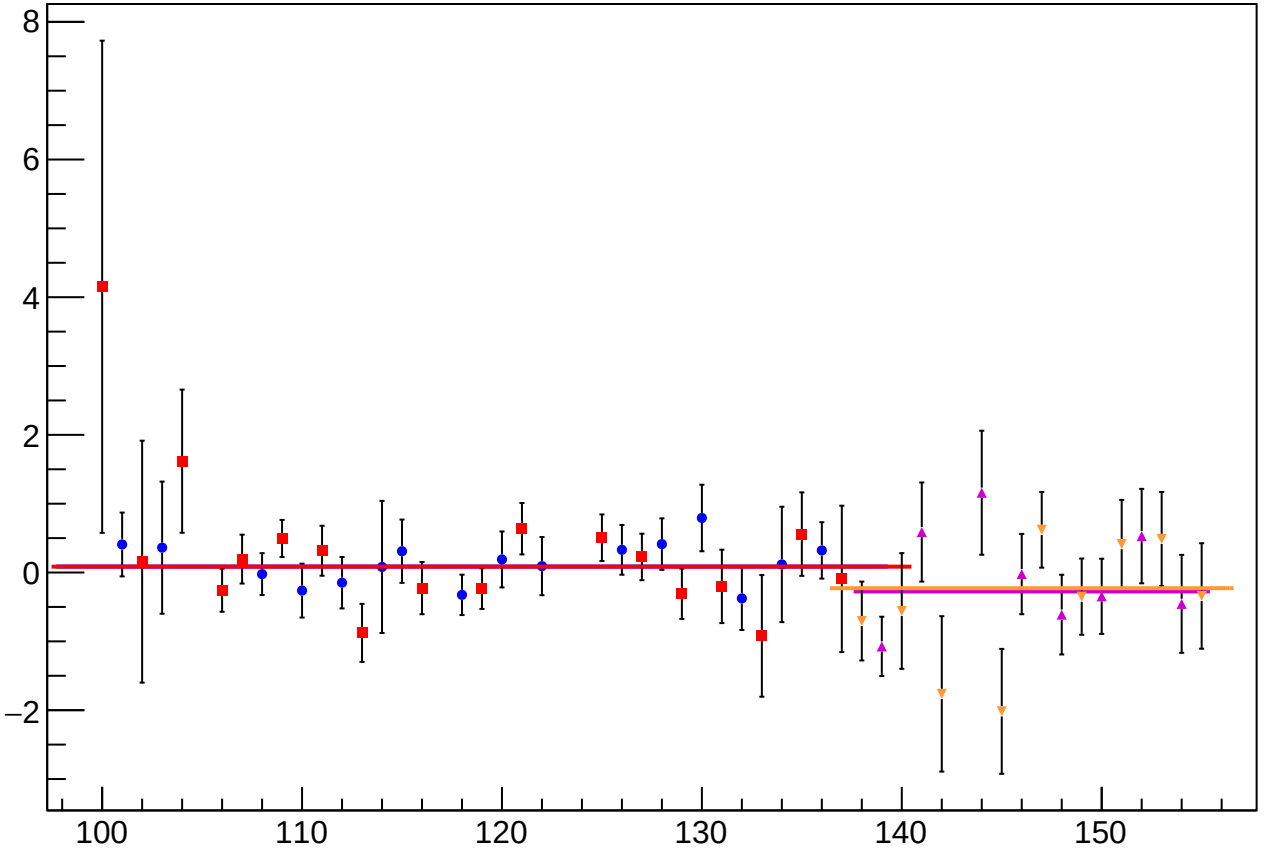
Left In: 0.009+/-0.000 χ^2/NDF:1388414.5/7

+ sign 0.010+/-0.000 χ^2/NDF: 6828486.7/24

All: 0.010+/-0.000 χ^2/NDF: 11442830.5/50

- sign 0.011+/-0.000 χ^2/NDF: 4494463.0/25

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.228+/-0.228 χ^2/NDF:11.1/8

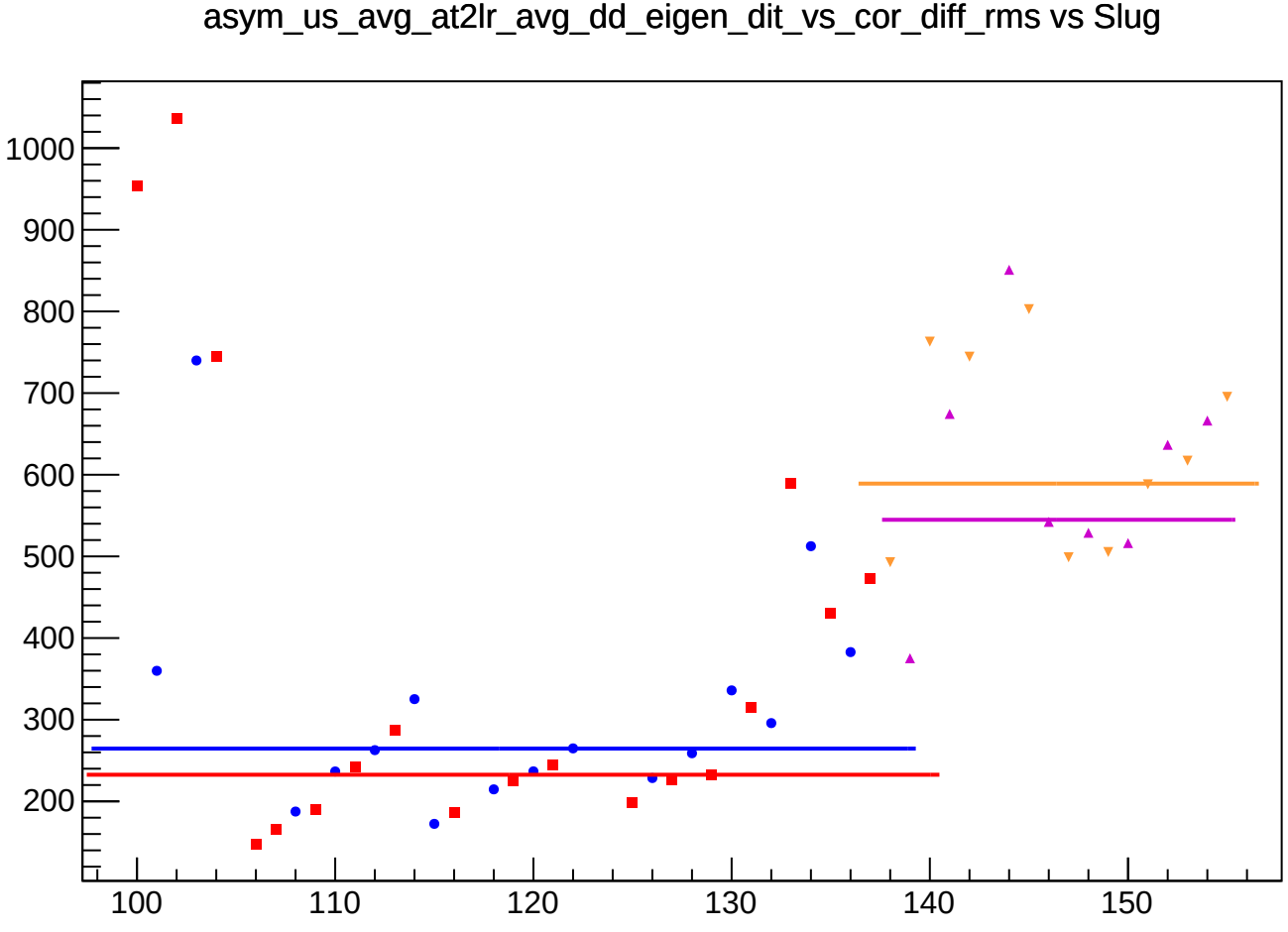
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.275+/-0.214 χ^2/NDF:9.4/7

+ sign 0.032+/-0.095 χ^2/NDF: 21.5/24

All: 0.027+/-0.065 χ^2/NDF: 55.1/50

- sign 0.024+/-0.089 χ^2/NDF: 33.6/25


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
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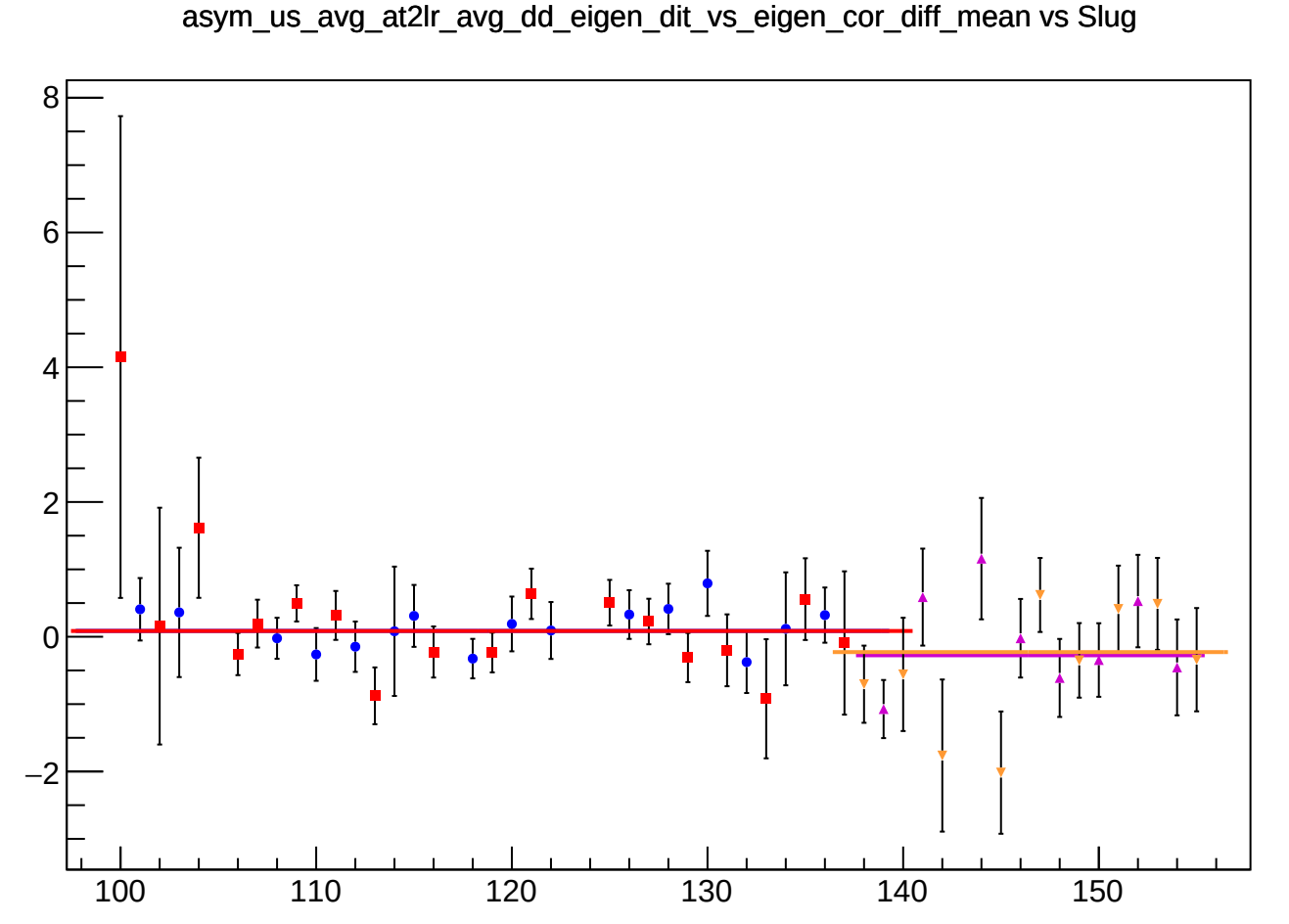
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 589.148+/-0.161 χ²/NDF:432592.6/8
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 544.846+/-0.151 χ²/NDF:706197.5/7
+ sign 321.690+/-0.067 χ²/NDF: 5068124.6/24
All: 302.675+/-0.046 χ²/NDF: 11493614.4/50
- sign 286.283+/-0.063 χ²/NDF: 6277537.3/25



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.228+/-0.228 χ^2/NDF:11.1/8

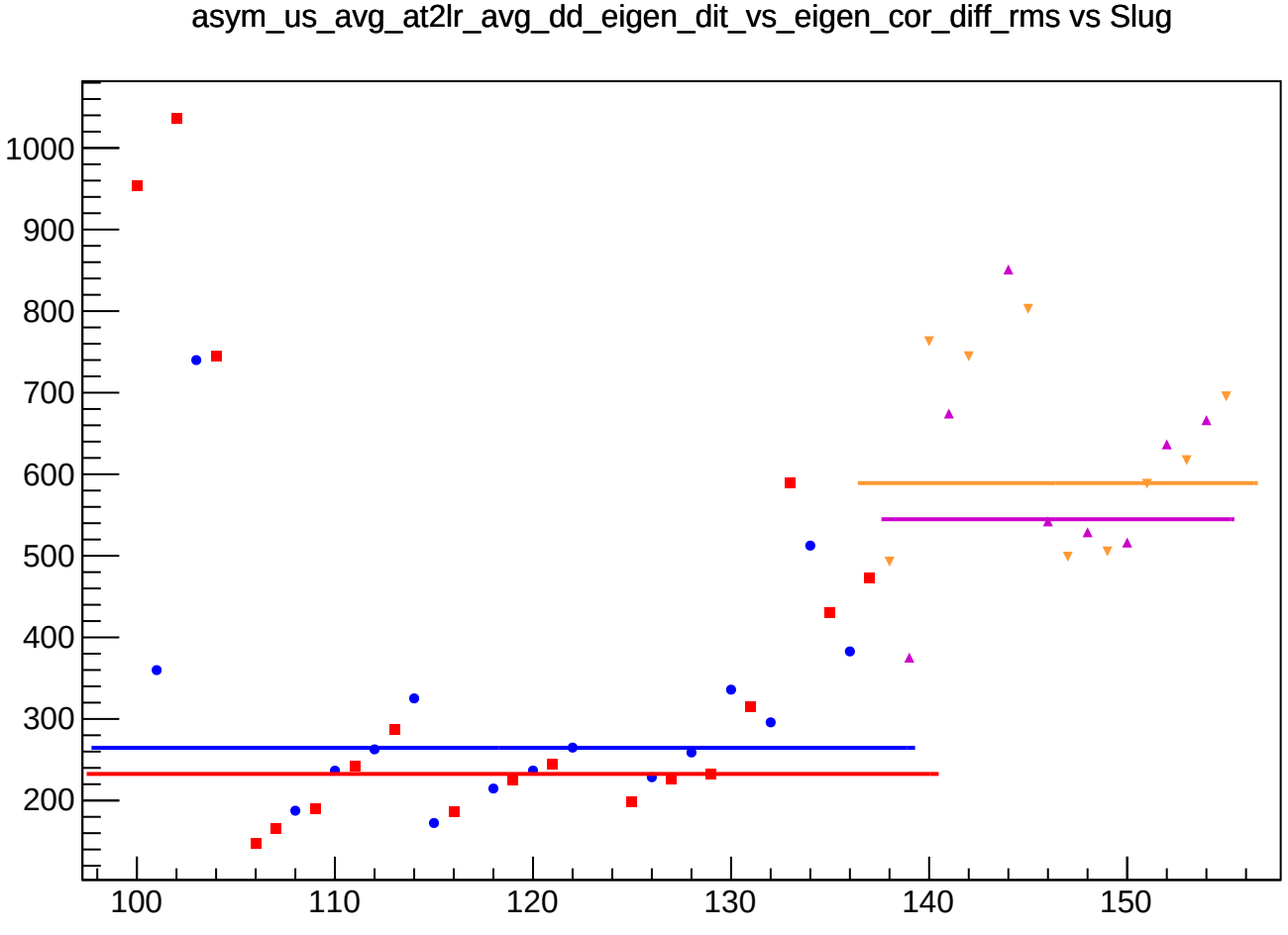
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.275+/-0.214 χ^2/NDF:9.4/7

+ sign 0.032+/-0.095 χ^2/NDF: 21.5/24

All: 0.027+/-0.065 χ^2/NDF: 55.1/50

- sign 0.024+/-0.089 χ^2/NDF: 33.6/25


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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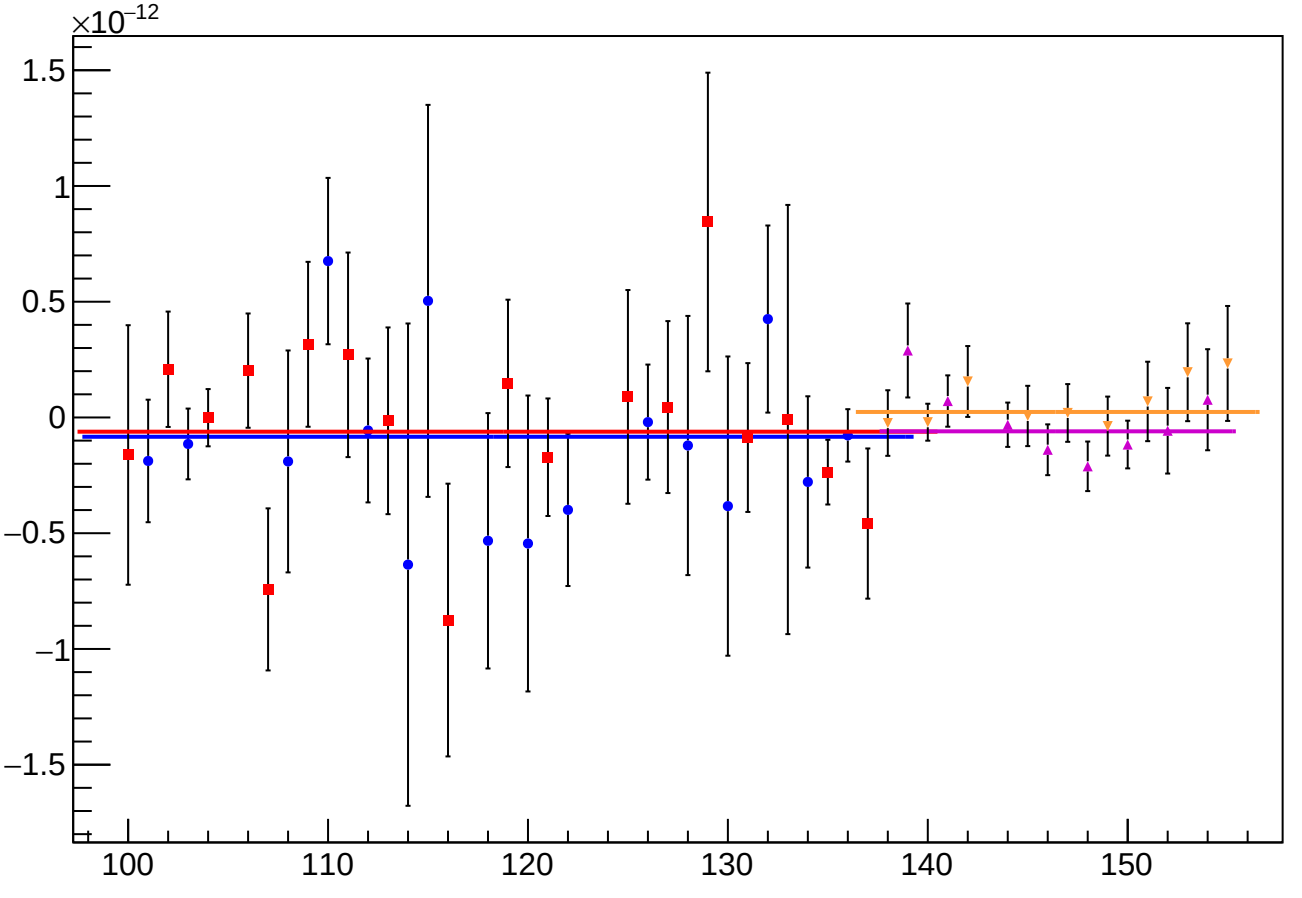
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 589.148+/-0.161 χ²/NDF:432592.6/8
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 544.846+/-0.151 χ²/NDF:706197.5/7
+ sign 321.690+/-0.067 χ²/NDF: 5068124.6/24
All: 302.675+/-0.046 χ²/NDF: 11493614.4/50
- sign 286.283+/-0.063 χ²/NDF: 6277537.3/25



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/8

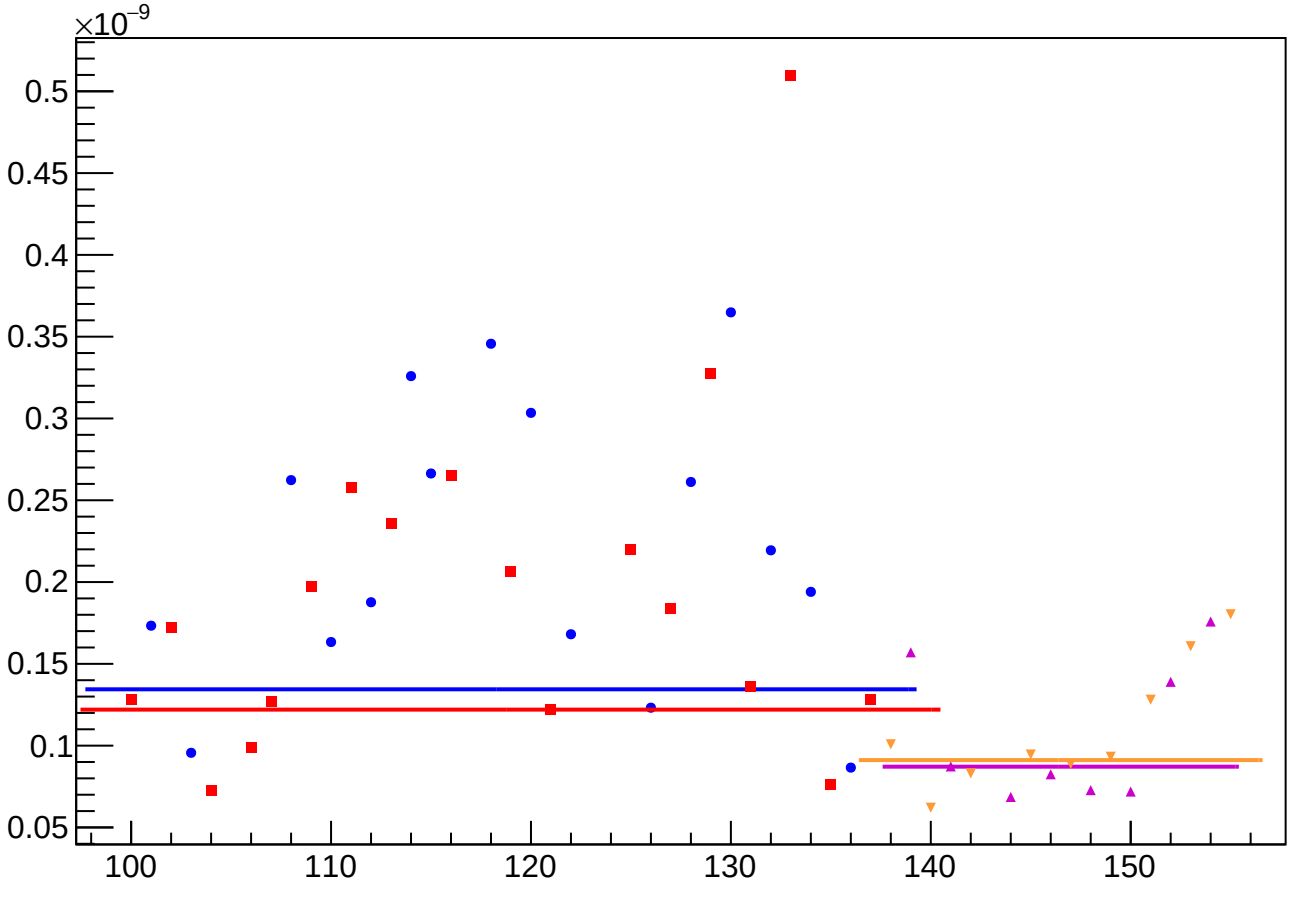
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/7

+ sign -0.000+/-0.000 χ^2/NDF: 14.3/24

All: -0.000+/-0.000 χ^2/NDF: 38.7/50

- sign -0.000+/-0.000 χ^2/NDF: 23.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:850720.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

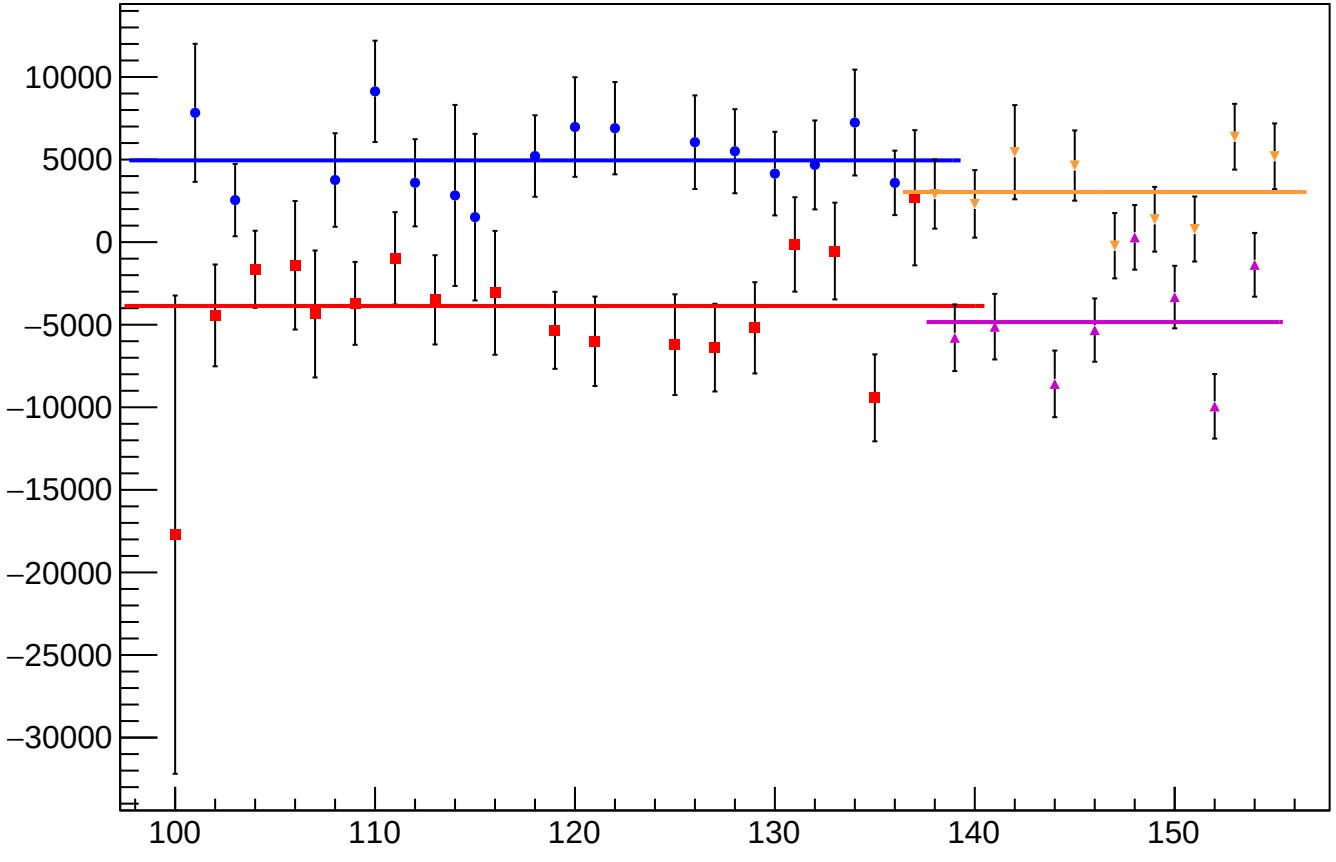
Left In: 0.000+/-0.000 χ^2/NDF:882826.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 3221879.0/24

All: 0.000+/-0.000 χ^2/NDF: 6535197.4/50

- sign 0.000+/-0.000 χ^2/NDF: 3288281.5/25

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3036.394+/-691.601 χ^2/NDF:10.1/8

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

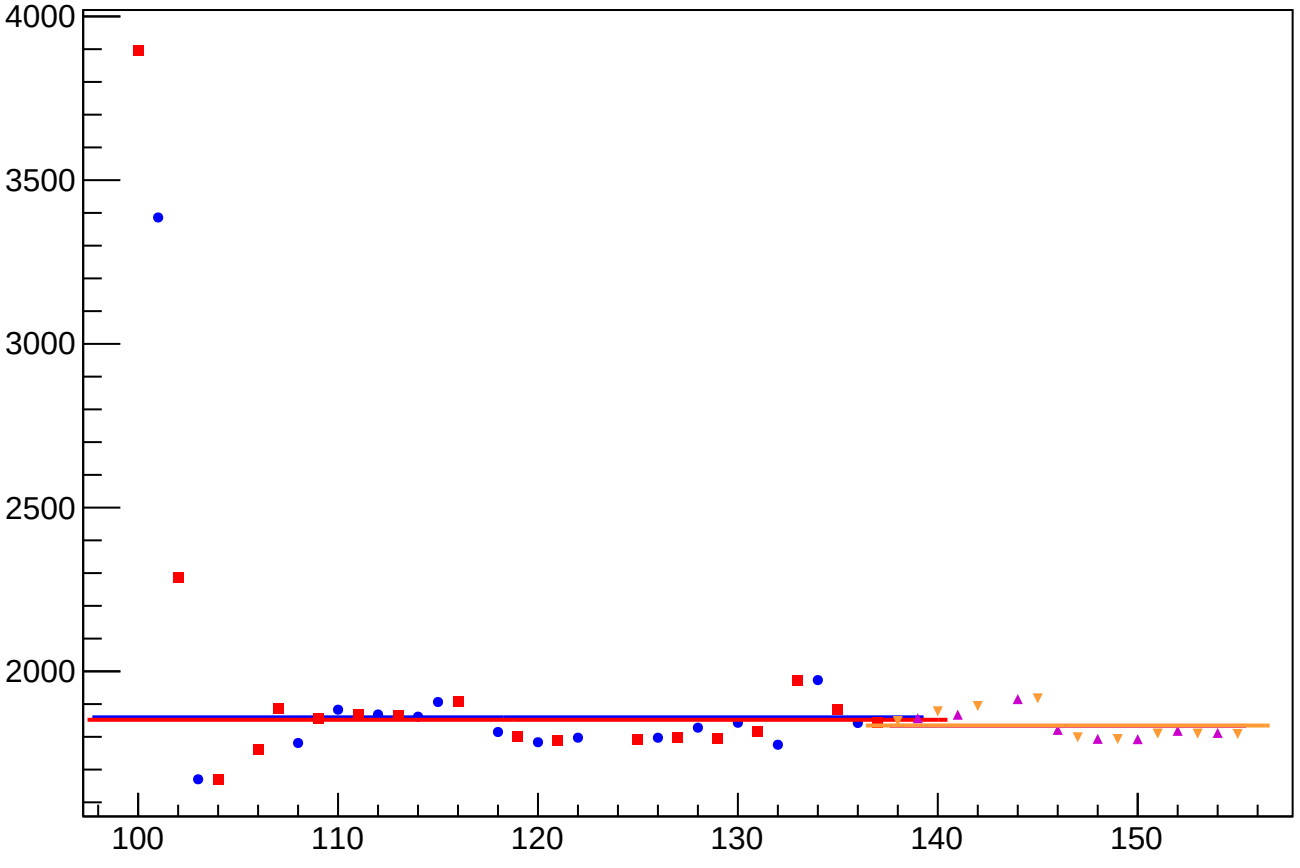
Left In: -4838.446+/-692.133 χ^2/NDF:21.3/7

+ sign 3983.261+/-491.609 χ^2/NDF: 20.8/24

All: -193.292+/-347.297 χ^2/NDF: 203.3/50

- sign -4354.353+/-490.696 χ^2/NDF: 38.5/25

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1834.475+/-0.489 χ^2/NDF:7400.1/8

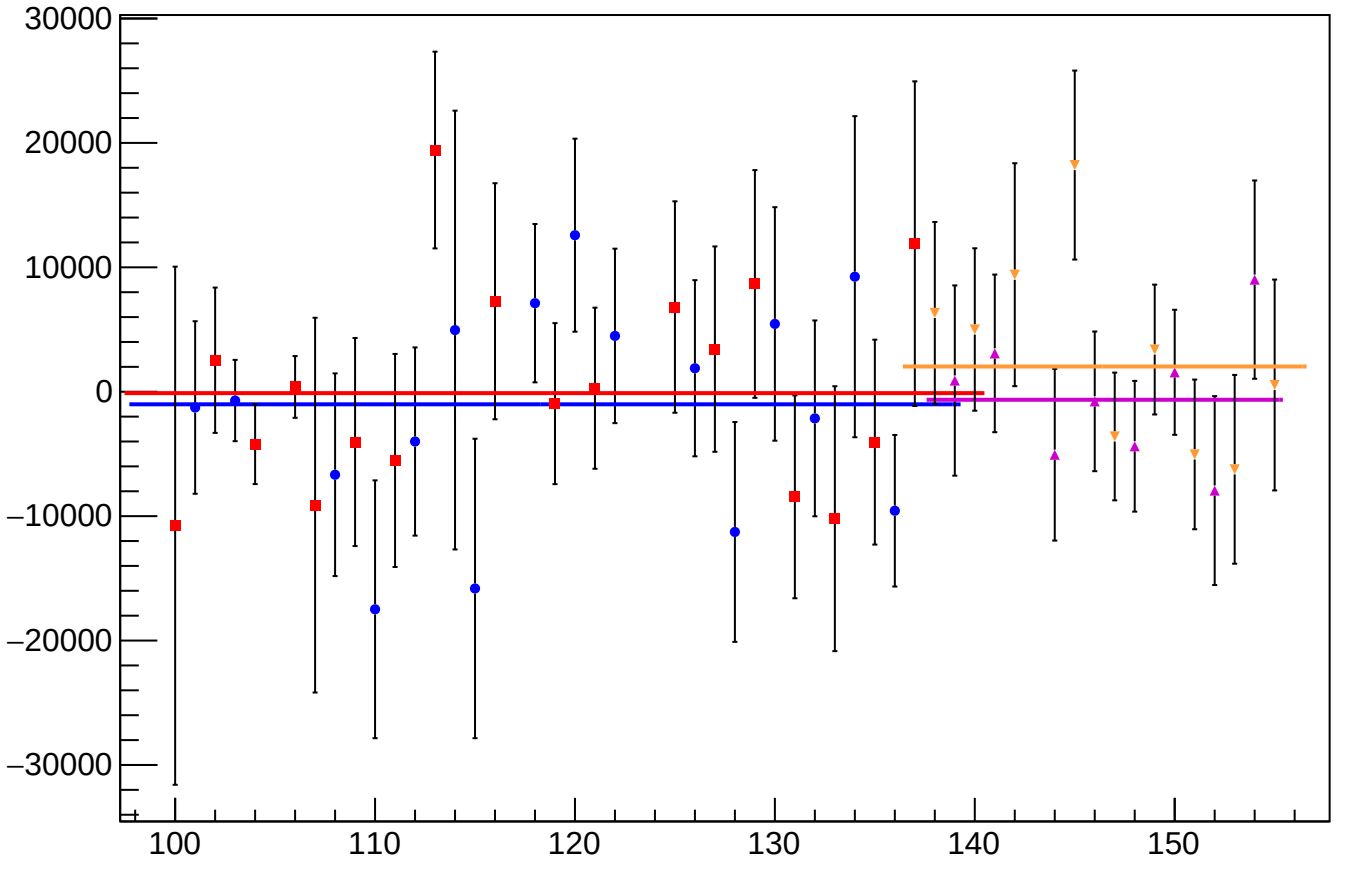
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1833.411+/-0.489 χ^2/NDF:6326.1/7

+ sign 1846.860+/-0.348 χ^2/NDF: 301031.1/24

All: 1844.782+/-0.245 χ^2/NDF: 410365.7/50

- sign 1842.717+/-0.346 χ^2/NDF: 109263.4/25



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 2028.428+/-2205.667 χ^2/NDF:9.6/8

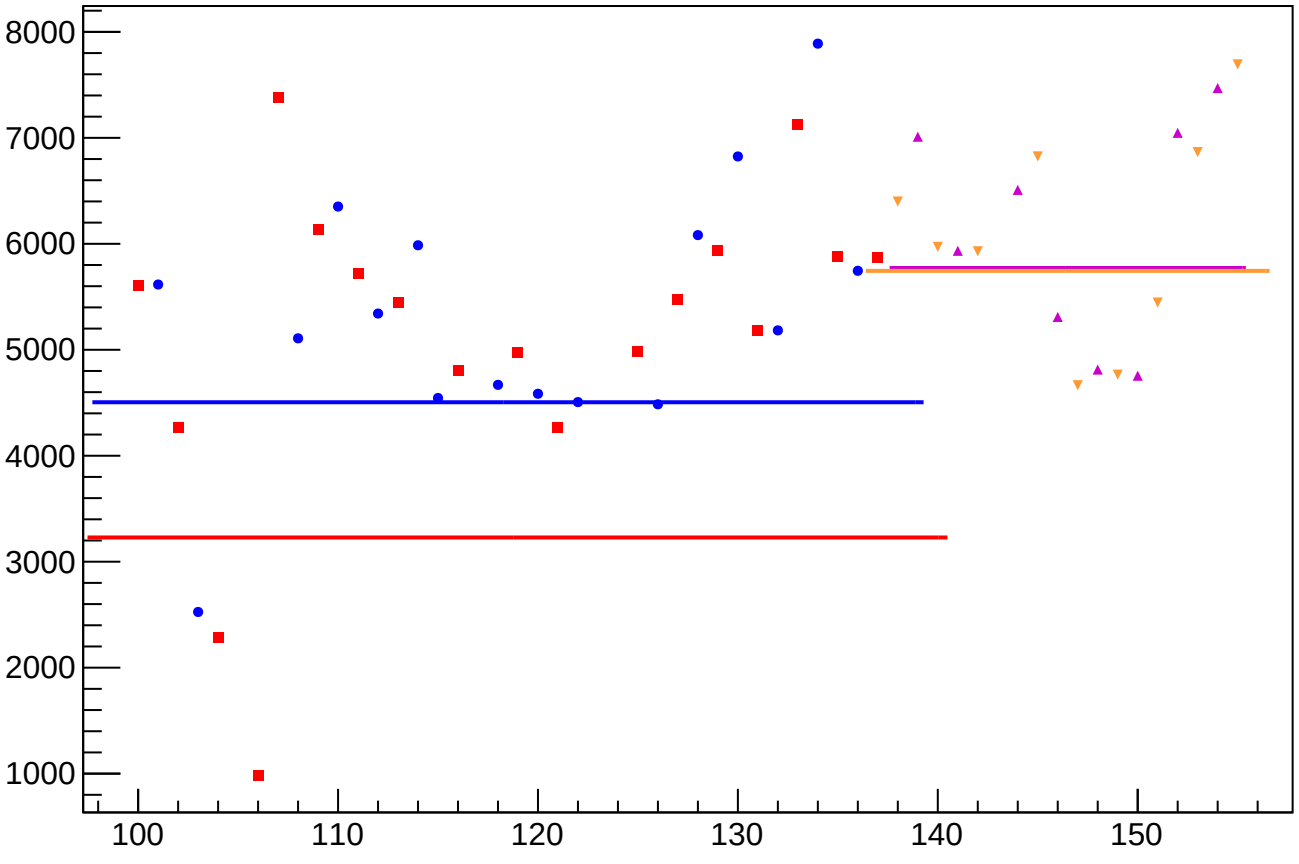
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -645.523+/-2216.016 χ^2/NDF:3.9/7

+ sign 175.263+/-1377.701 χ^2/NDF: 25.5/24

All: -76.524+/-907.690 χ^2/NDF: 44.2/50

- sign -269.650+/-1206.585 χ^2/NDF: 18.6/25



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5744.650+/-1.560 χ^2/NDF:372936.9/8

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

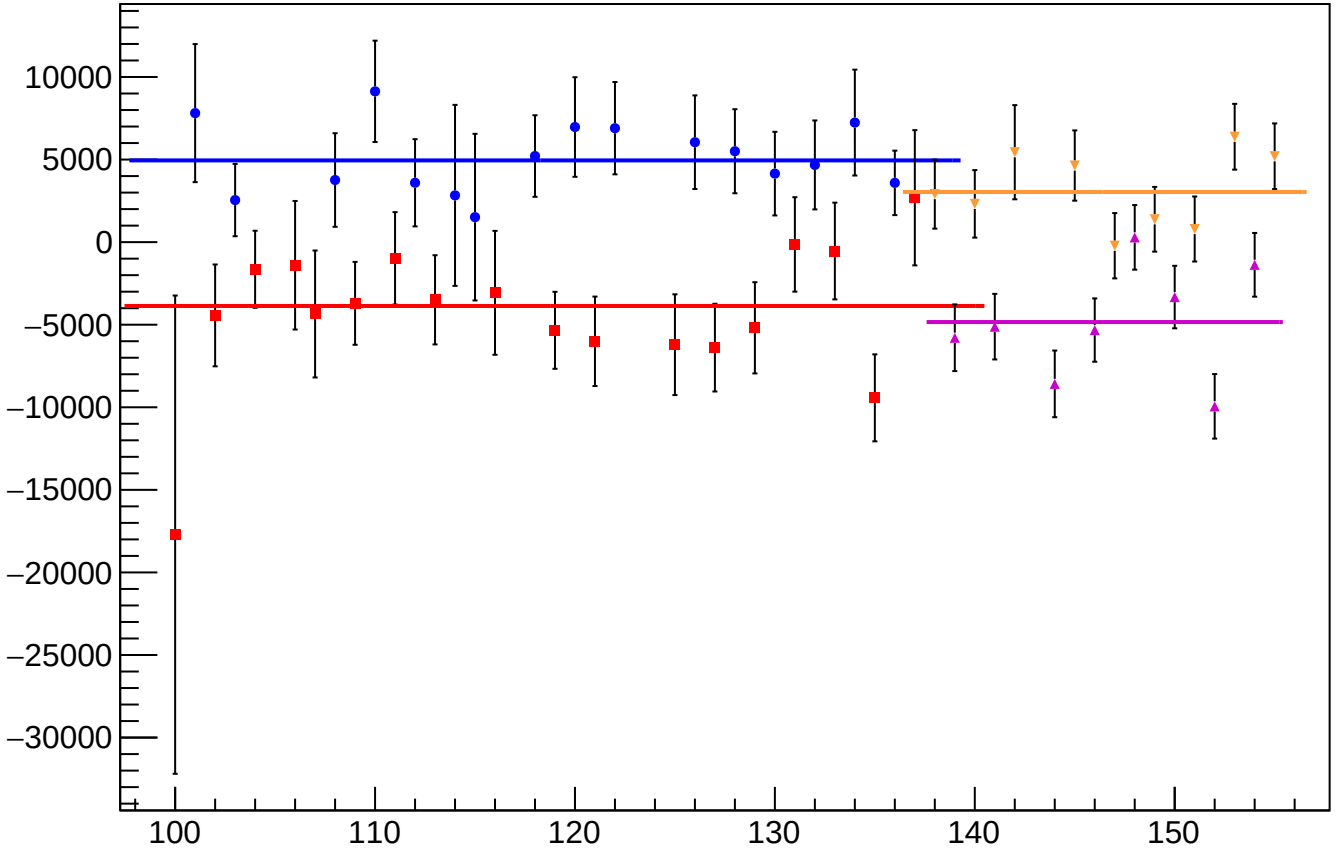
Left In: 5771.848+/-1.567 χ^2/NDF:385878.8/7

+ sign 4988.519+/-0.974 χ^2/NDF: 2079449.9/24

All: 4419.234+/-0.642 χ^2/NDF: 8878452.8/50

- sign 3982.582+/-0.853 χ^2/NDF: 6195582.1/25

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3036.276+/-691.601 χ^2/NDF:10.1/8

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

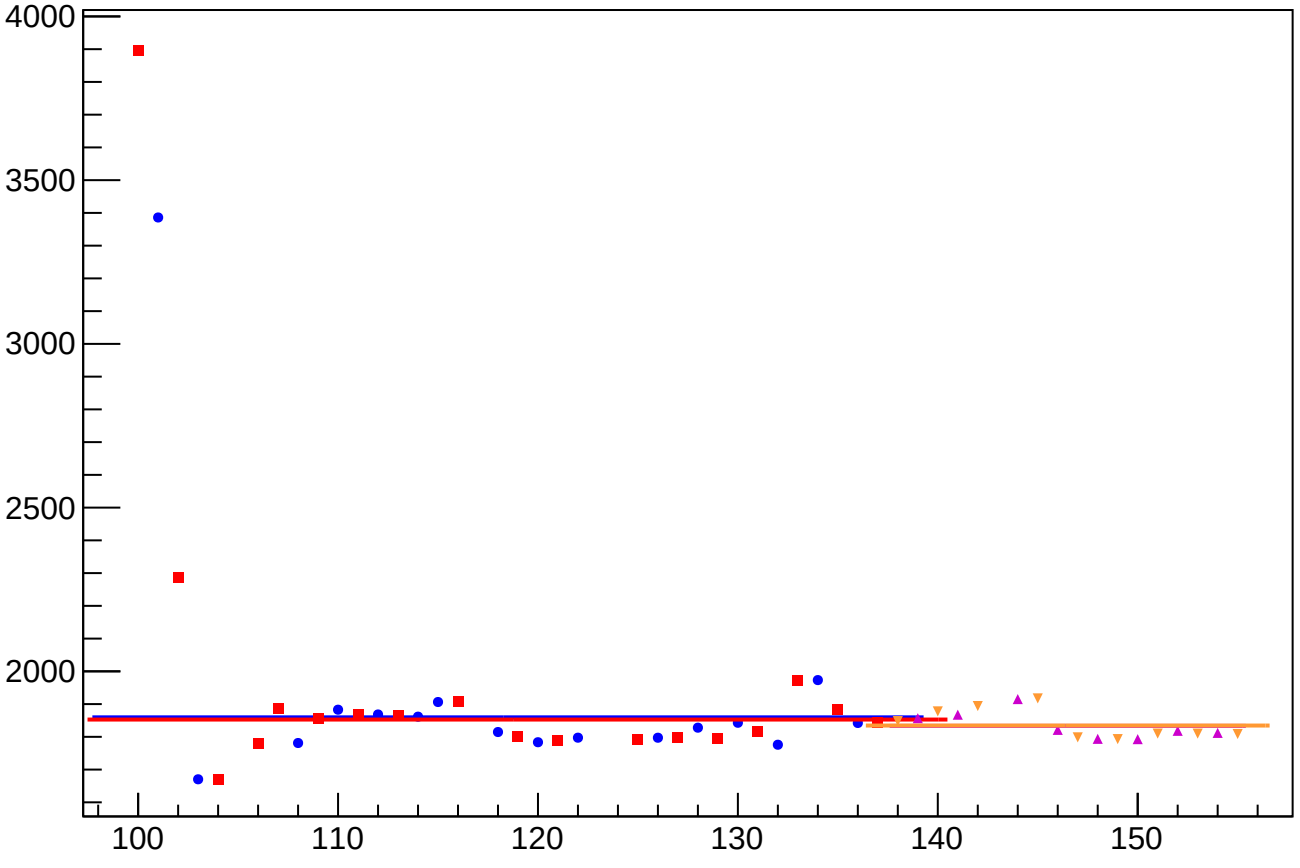
Left In: -4838.755+/-692.133 χ^2/NDF:21.3/7

+ sign 3982.963+/-491.609 χ^2/NDF: 20.8/24

All: -193.465+/-347.297 χ^2/NDF: 203.3/50

- sign -4354.402+/-490.696 χ^2/NDF: 38.5/25

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1834.475+/-0.489 χ^2/NDF:7400.1/8

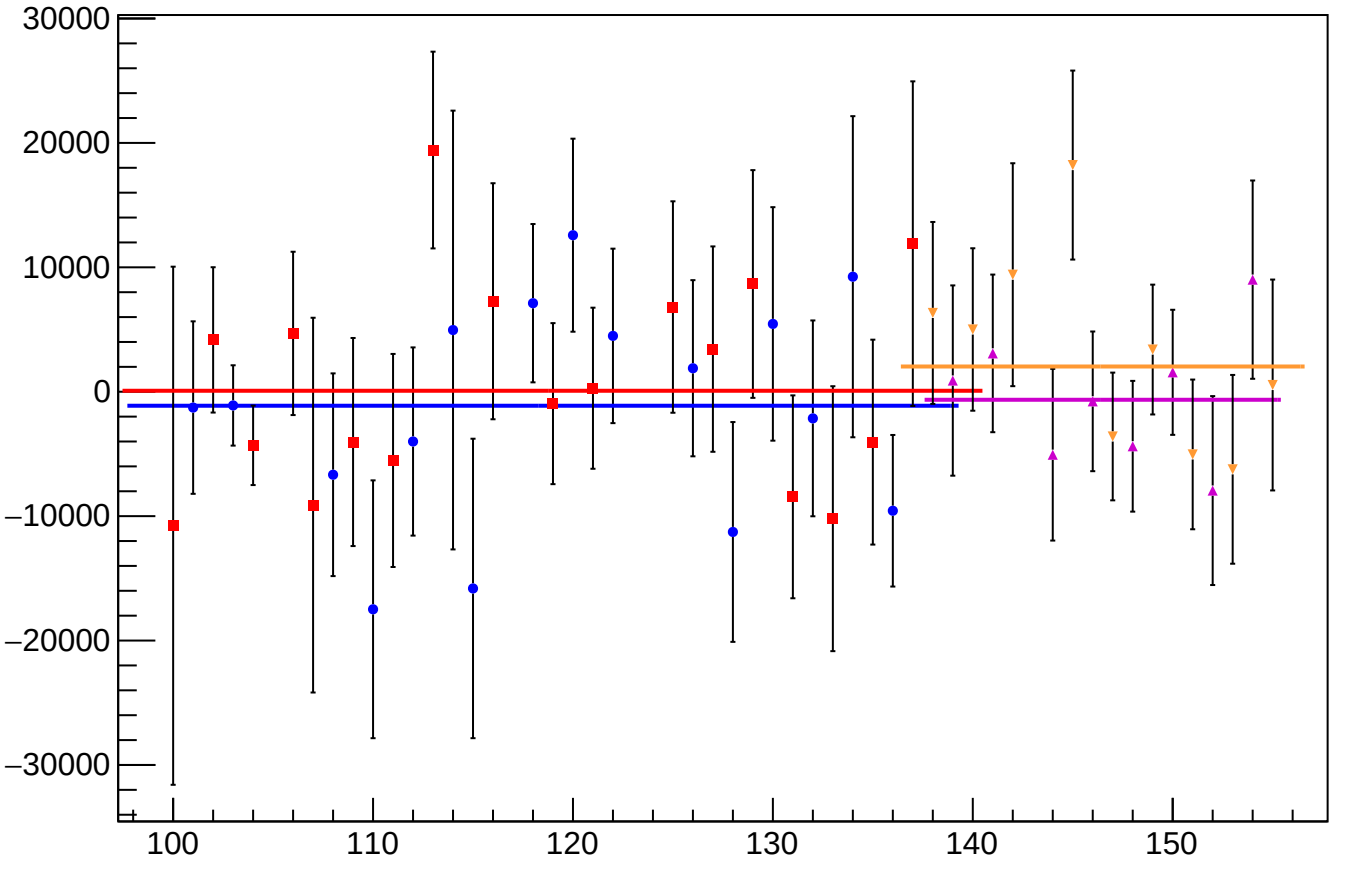
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1833.411+/-0.489 χ^2/NDF:6326.1/7

+ sign 1846.860+/-0.348 χ^2/NDF: 301032.9/24

All: 1844.957+/-0.245 χ^2/NDF: 409949.7/50

- sign 1843.066+/-0.347 χ^2/NDF: 108857.0/25



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2028.310+/-2205.665 χ^2/NDF:9.6/8

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

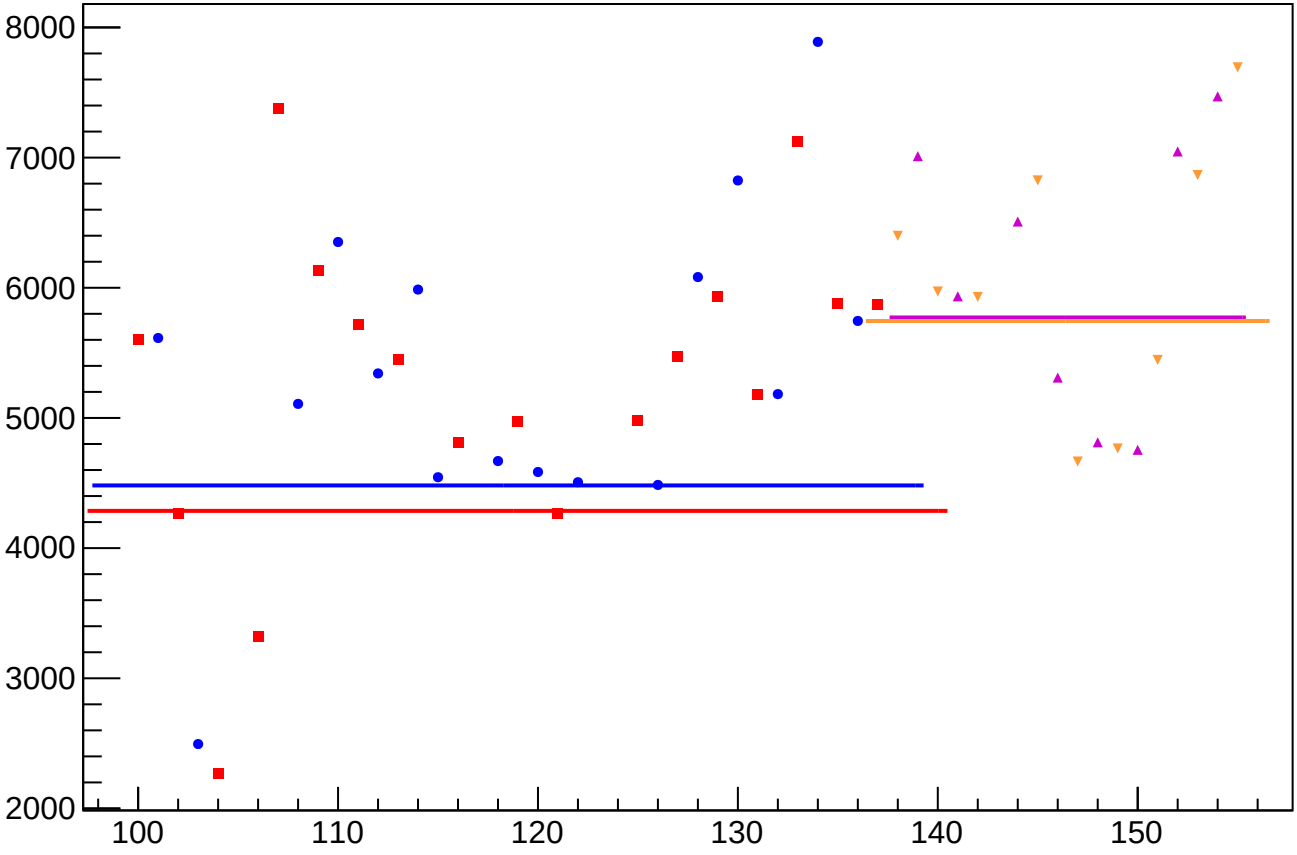
Left In: -645.722+/-2216.016 χ^2/NDF:3.9/7

+ sign 99.547+/-1374.692 χ^2/NDF: 25.6/24

All: -48.069+/-963.220 χ^2/NDF: 45.1/50

- sign -190.438+/-1350.040 χ^2/NDF: 19.5/25

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5744.643+/-1.560 χ^2/NDF:372941.2/8

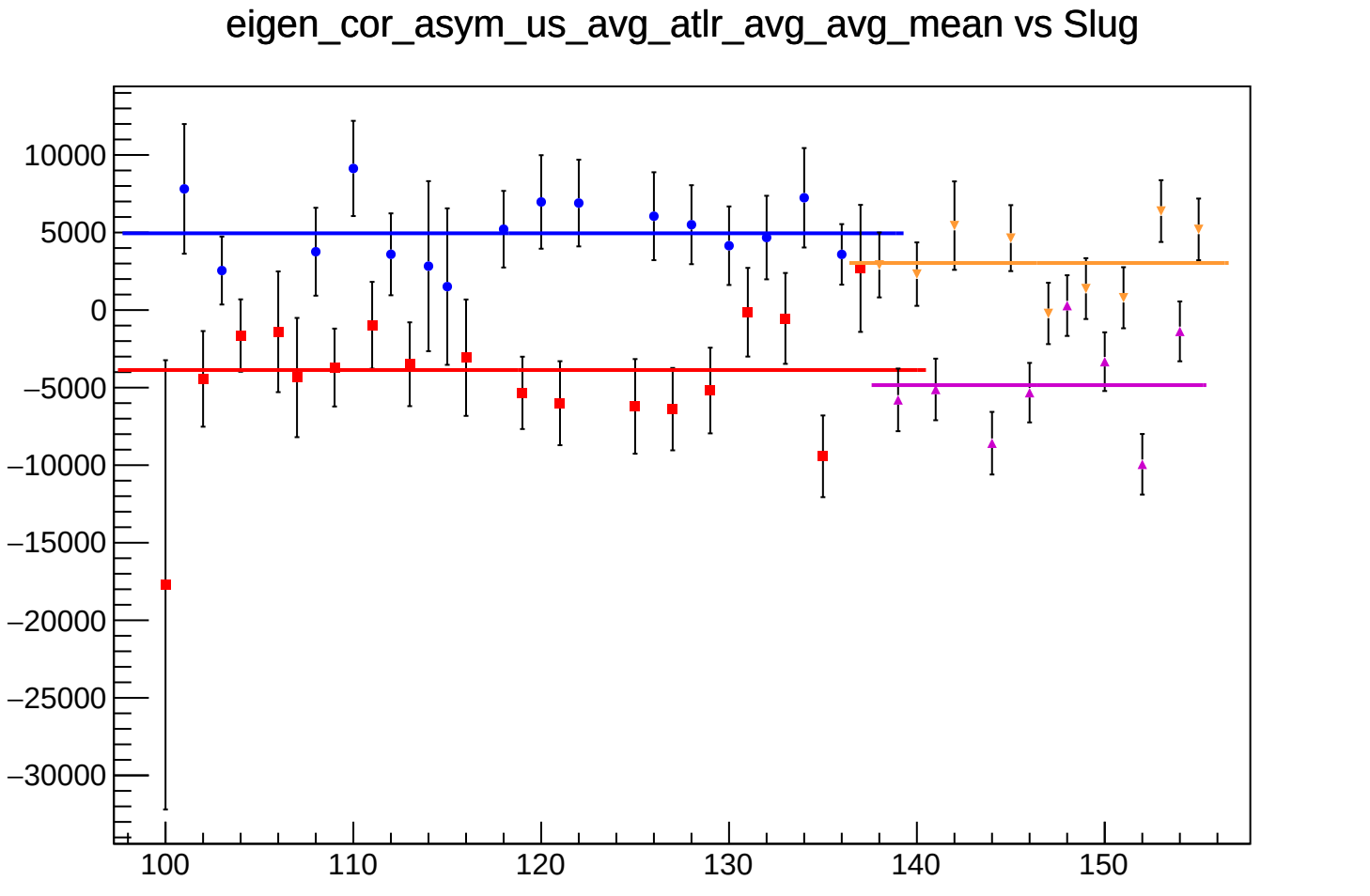
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5771.847+/-1.567 χ^2/NDF:385881.2/7

+ sign 4972.175+/-0.972 χ^2/NDF: 2136319.6/24

All: 4903.644+/-0.681 χ^2/NDF: 4647154.8/50

- sign 4837.549+/-0.955 χ^2/NDF: 2501071.0/25



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3036.276+/-691.601 χ^2/NDF:10.1/8

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

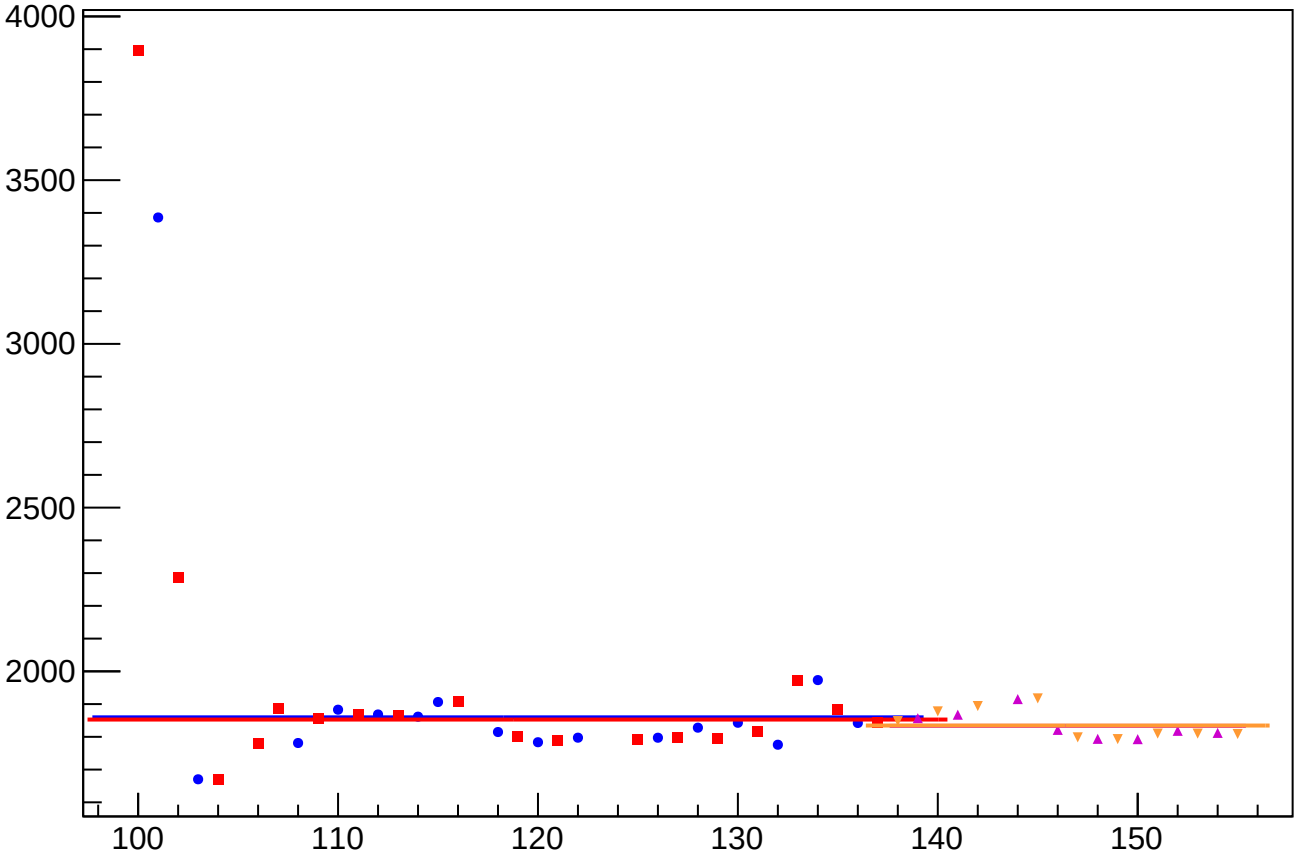
Left In: -4838.755+/-692.133 χ^2/NDF:21.3/7

+ sign 3982.963+/-491.609 χ^2/NDF: 20.8/24

All: -193.465+/-347.297 χ^2/NDF: 203.3/50

- sign -4354.402+/-490.696 χ^2/NDF: 38.5/25

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: 1834.475+/-0.489 χ^2/NDF:7400.1/8

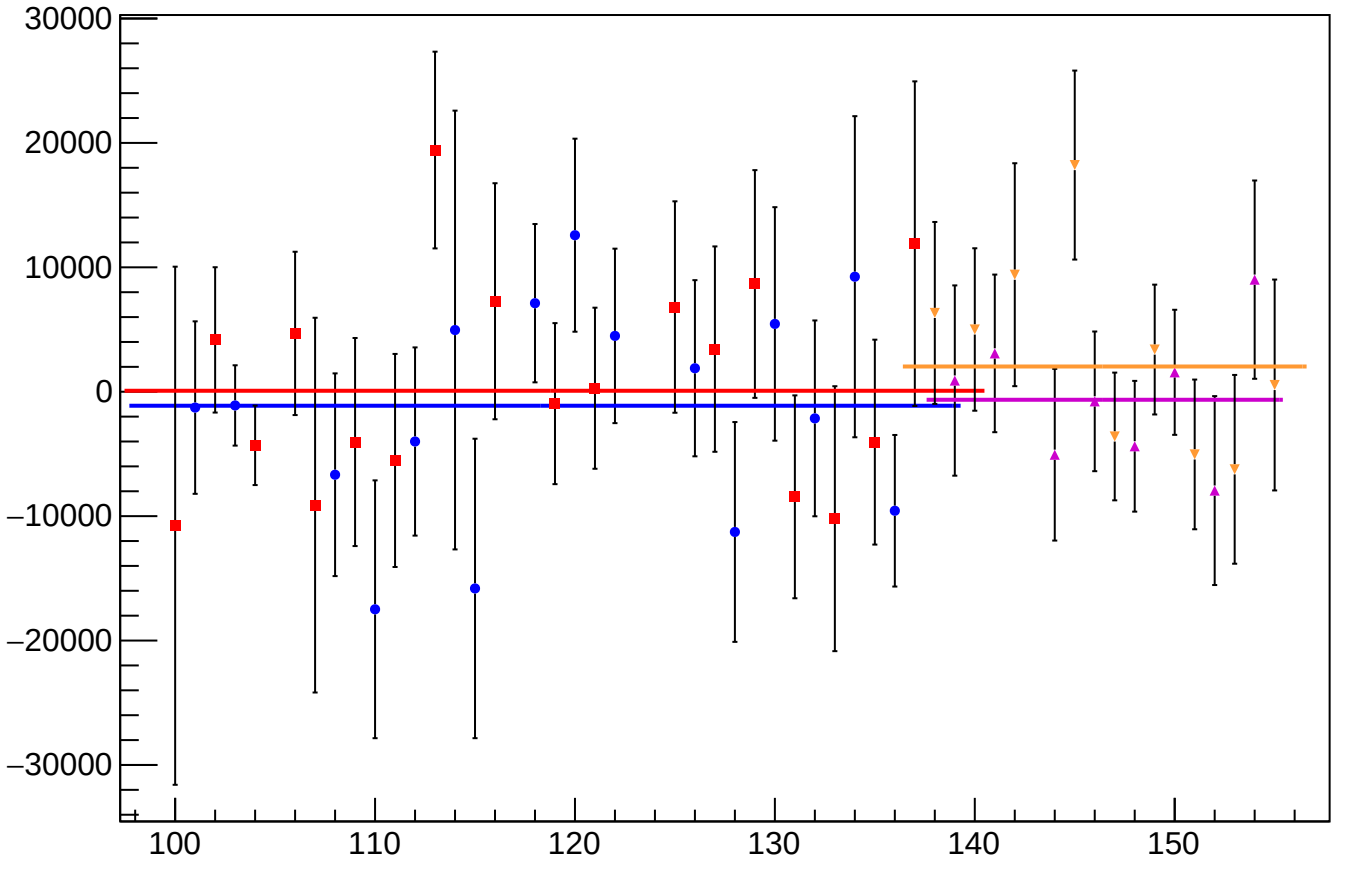
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1833.411+/-0.489 χ^2/NDF:6326.1/7

+ sign 1846.860+/-0.348 χ^2/NDF: 301032.9/24

All: 1844.957+/-0.245 χ^2/NDF: 409949.7/50

- sign 1843.066+/-0.347 χ^2/NDF: 108857.0/25



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2028.310+/-2205.665 χ^2/NDF:9.6/8

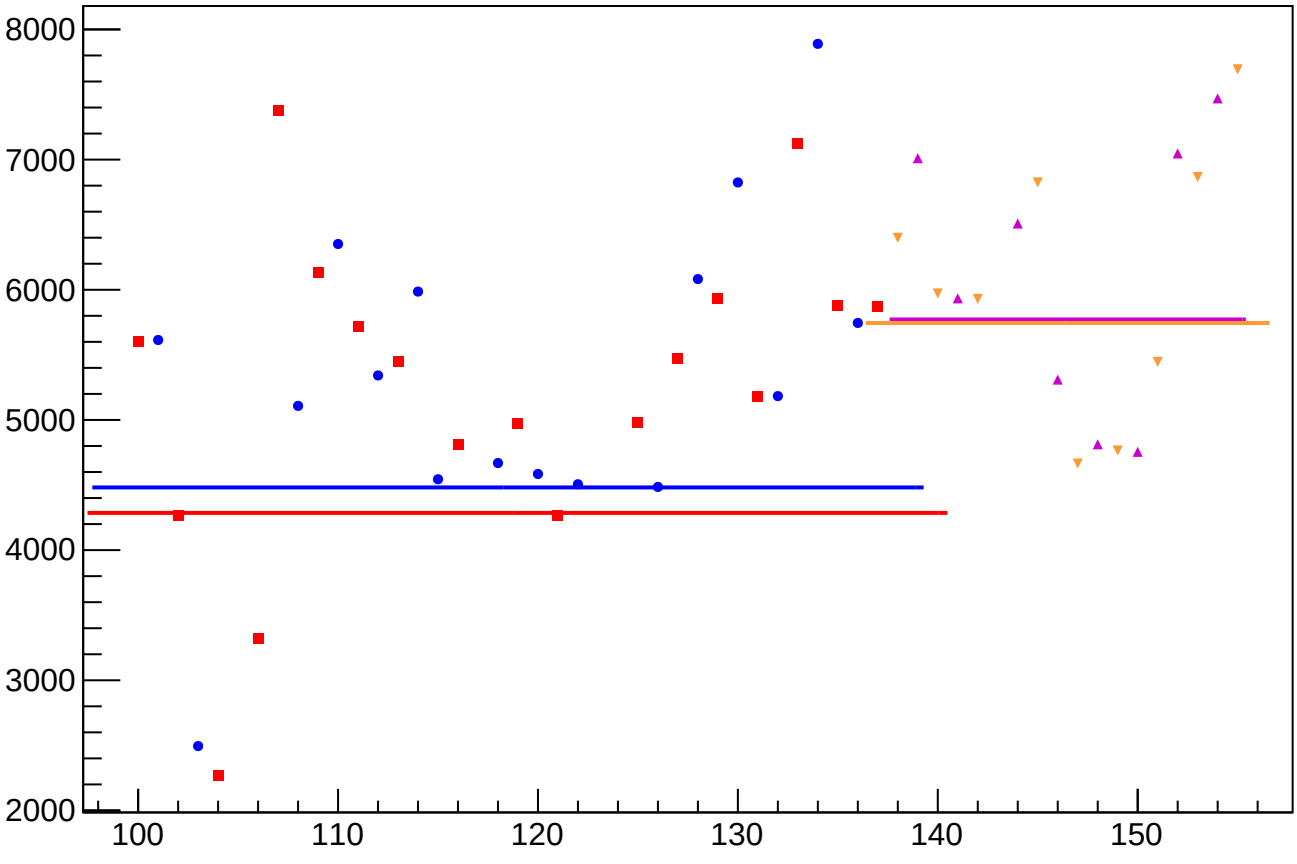
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -645.722+/-2216.016 χ^2/NDF:3.9/7

+ sign 99.547+/-1374.692 χ^2/NDF: 25.6/24

All: -48.069+/-963.220 χ^2/NDF: 45.1/50

- sign -190.438+/-1350.040 χ^2/NDF: 19.5/25



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5744.643+/-1.560 χ^2/NDF:372941.2/8

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

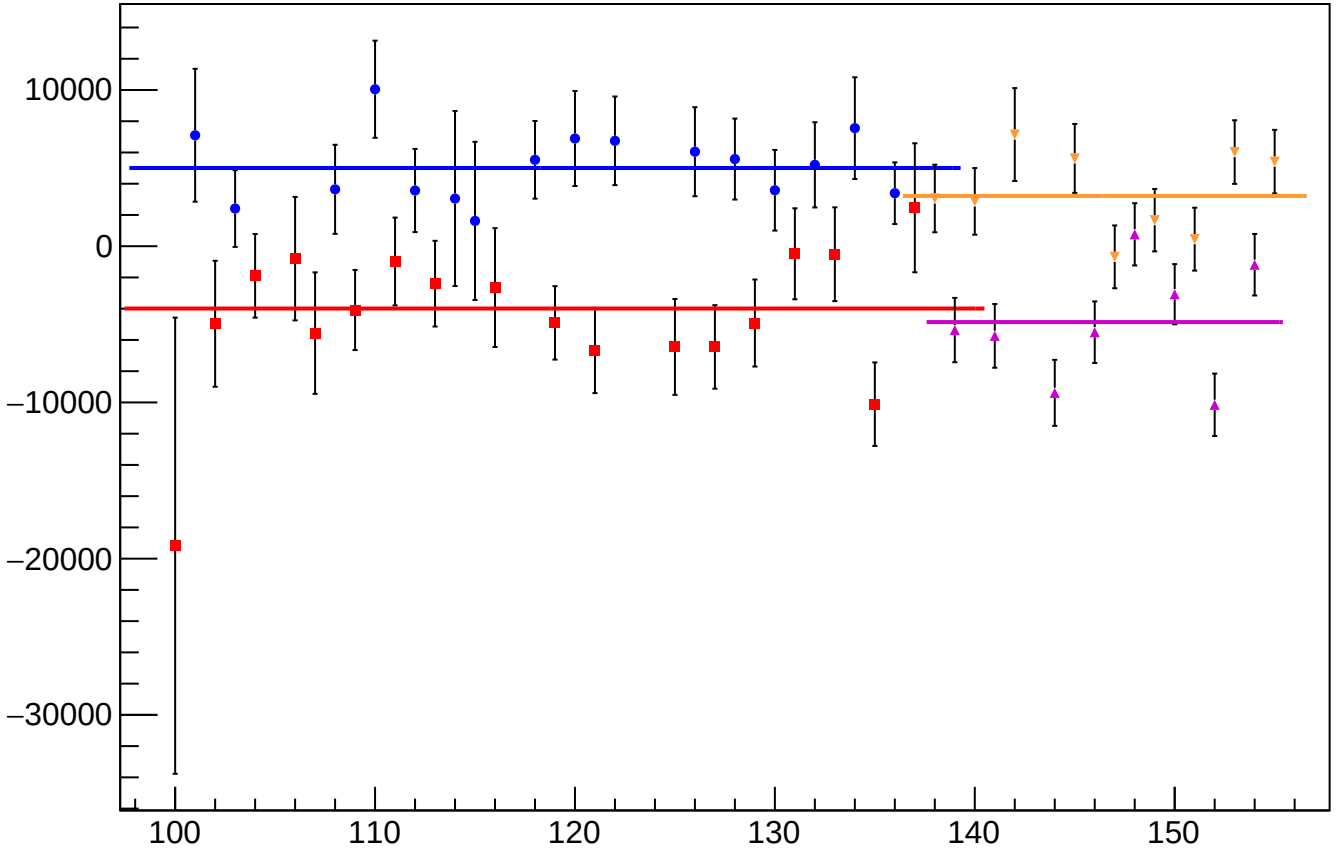
Left In: 5771.847+/-1.567 χ^2/NDF:385881.2/7

+ sign 4972.175+/-0.972 χ^2/NDF: 2136319.6/24

All: 4903.644+/-0.681 χ^2/NDF: 4647154.8/50

- sign 4837.549+/-0.955 χ^2/NDF: 2501071.0/25

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3217.793+/-710.686 χ^2/NDF:12.3/8

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

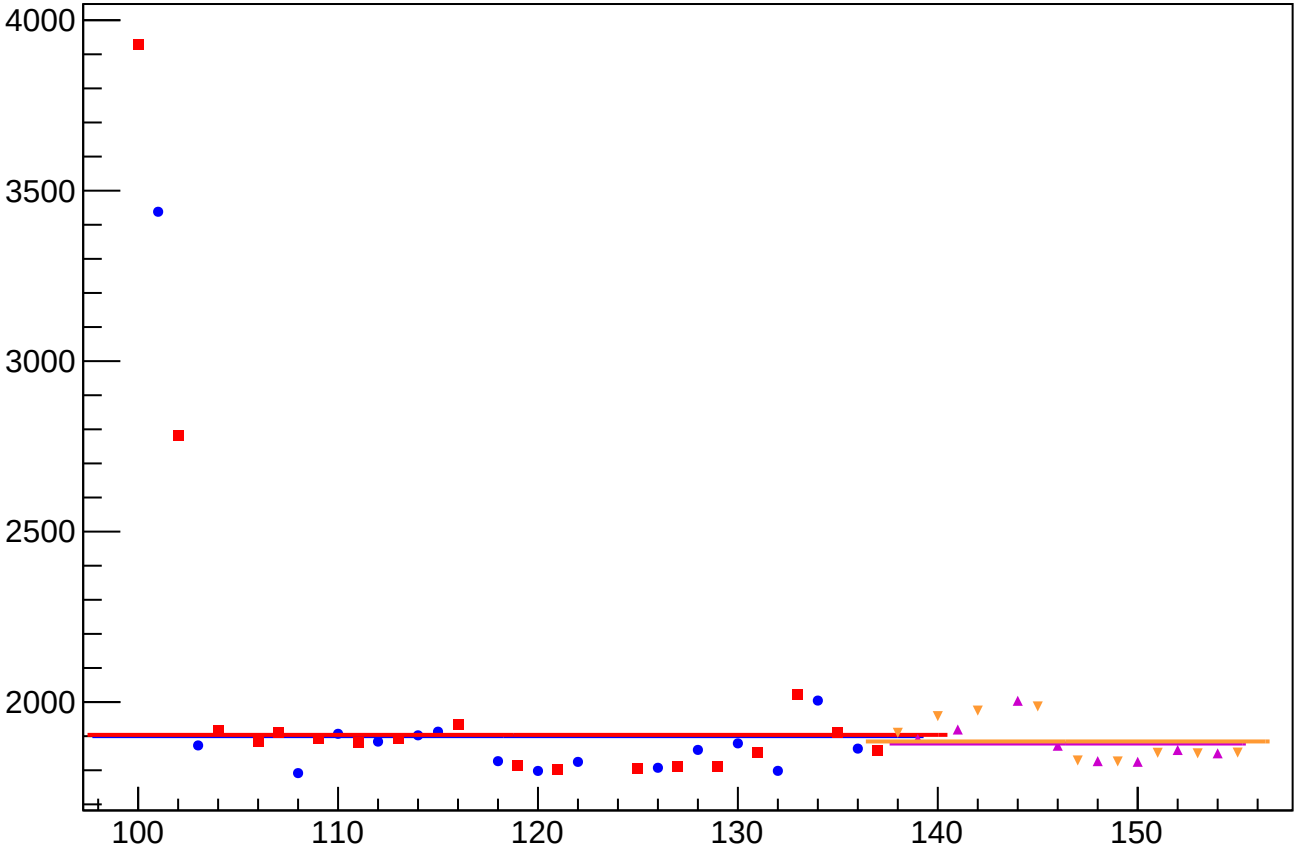
Left In: -4855.613+/-709.321 χ^2/NDF:24.3/7

+ sign 4108.315+/-503.720 χ^2/NDF: 23.1/24

All: -149.481+/-356.622 χ^2/NDF: 208.7/50

- sign -4428.289+/-504.961 χ^2/NDF: 42.4/25

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1884.509+/-0.503 χ^2/NDF:13793.9/8

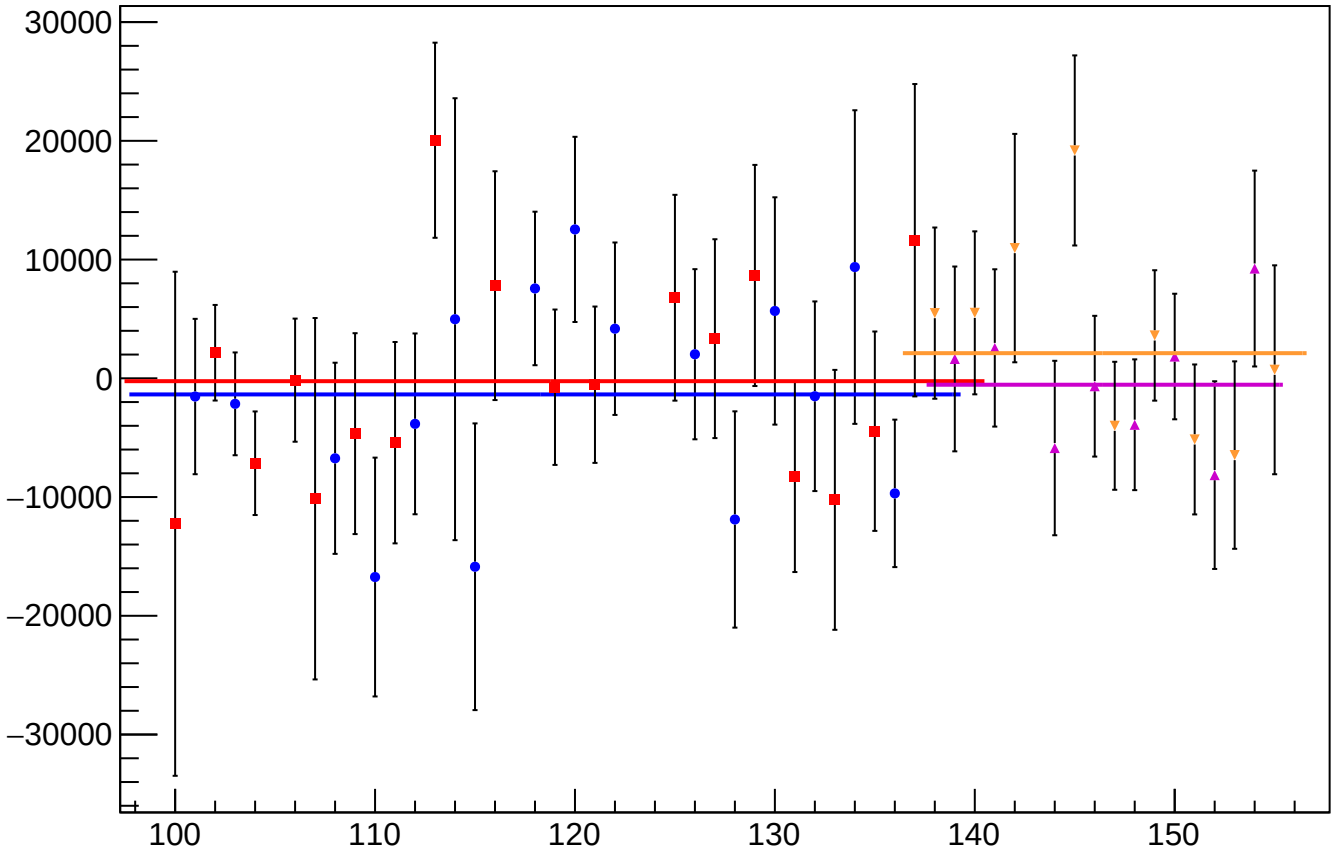
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1878.421+/-0.502 χ^2/NDF:11463.3/7

+ sign 1892.273+/-0.356 χ^2/NDF: 292721.8/24

All: 1891.620+/-0.252 χ^2/NDF: 455574.5/50

- sign 1890.965+/-0.357 χ^2/NDF: 162846.0/25



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 2117.489+/-2303.178 χ^2/NDF:9.8/8

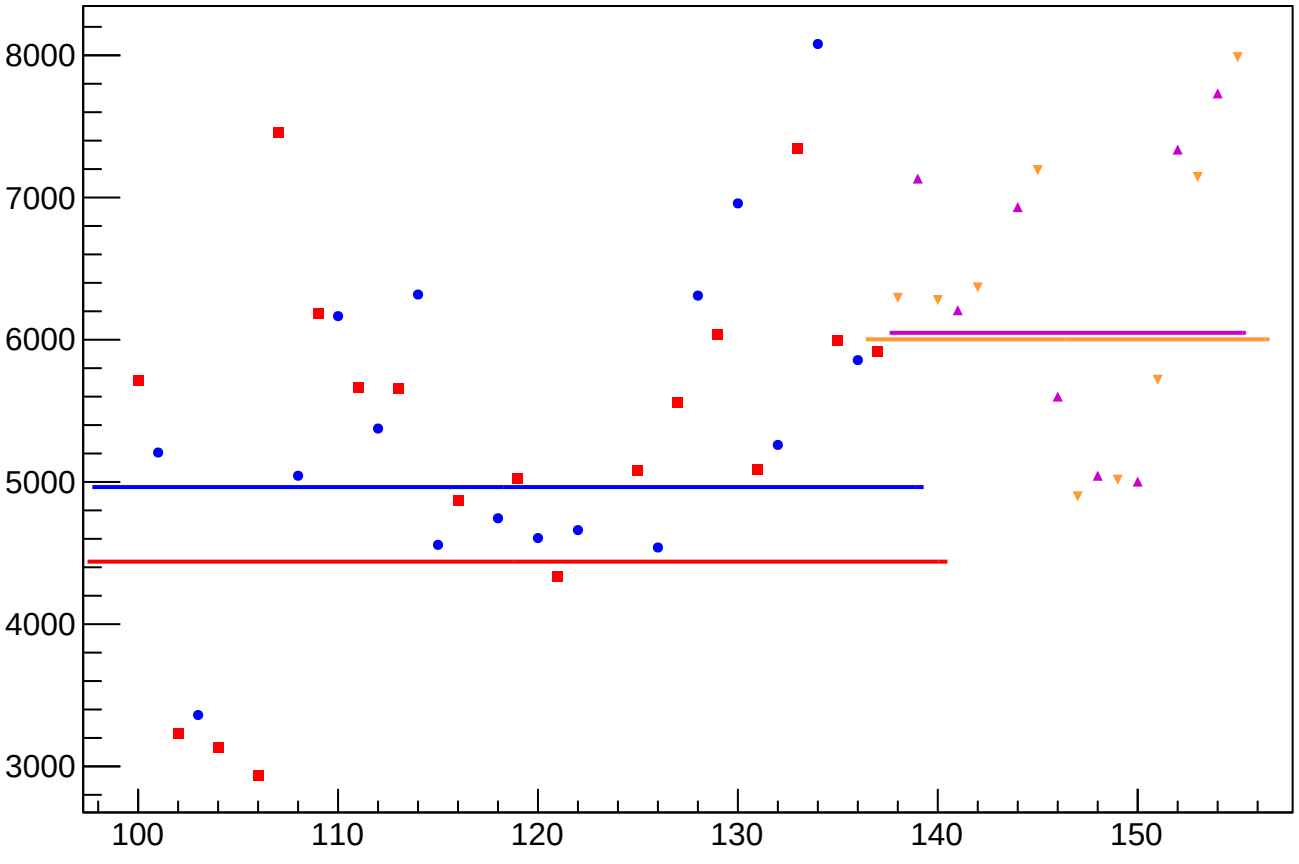
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -540.667+/-2320.233 χ^2/NDF:3.7/7

+ sign 46.696+/-1463.804 χ^2/NDF: 25.8/24

All: -161.925+/-1003.334 χ^2/NDF: 45.3/50

- sign -346.790+/-1377.942 χ^2/NDF: 19.5/25



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6003.020+/-1.629 χ^2/NDF:349808.4/8

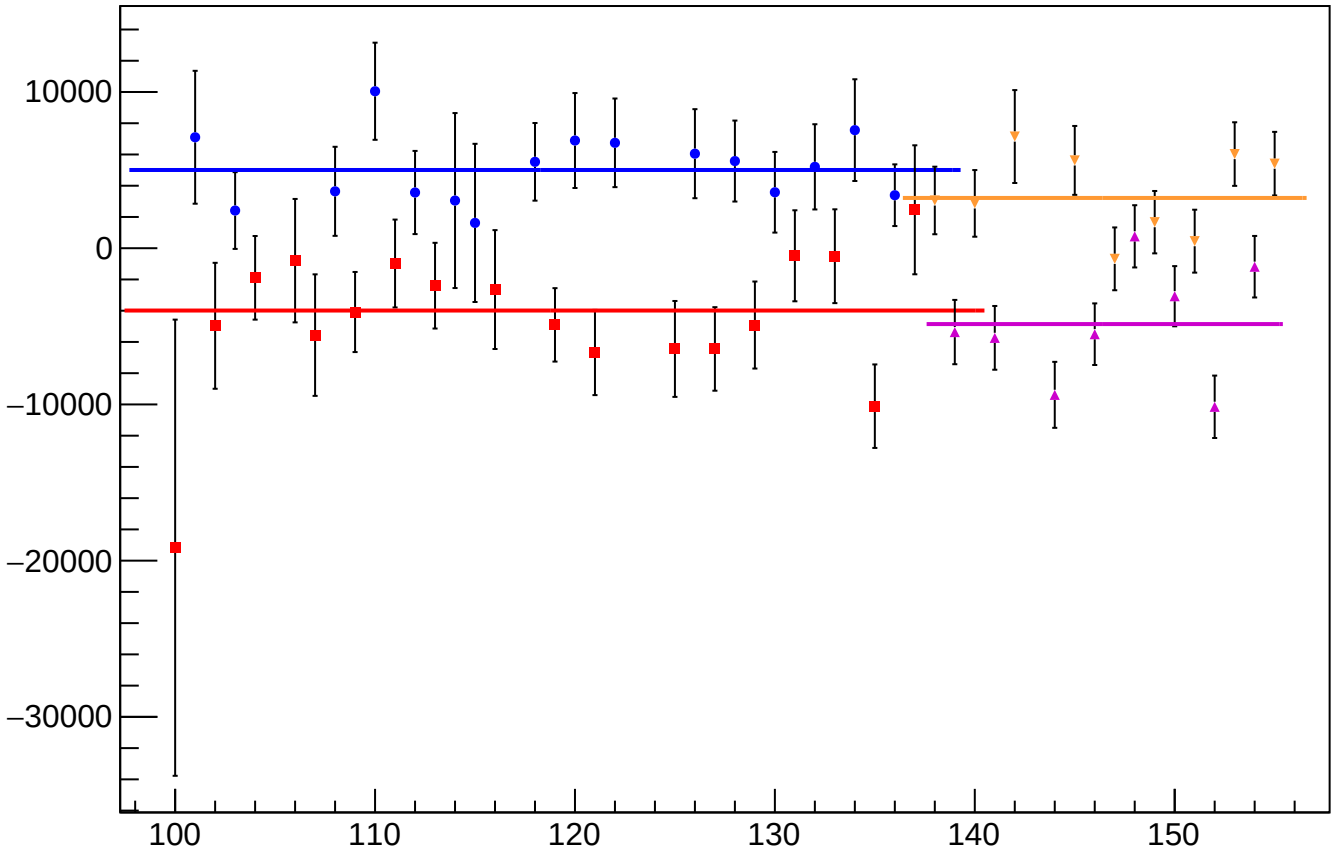
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6048.786+/-1.641 χ^2/NDF:361759.8/7

+ sign 5383.695+/-1.035 χ^2/NDF: 1219800.7/24

All: 5184.082+/-0.709 χ^2/NDF: 3432874.1/50

- sign 5007.200+/-0.974 χ^2/NDF: 2142925.9/25



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3217.792+/-710.687 χ^2/NDF:12.3/8

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

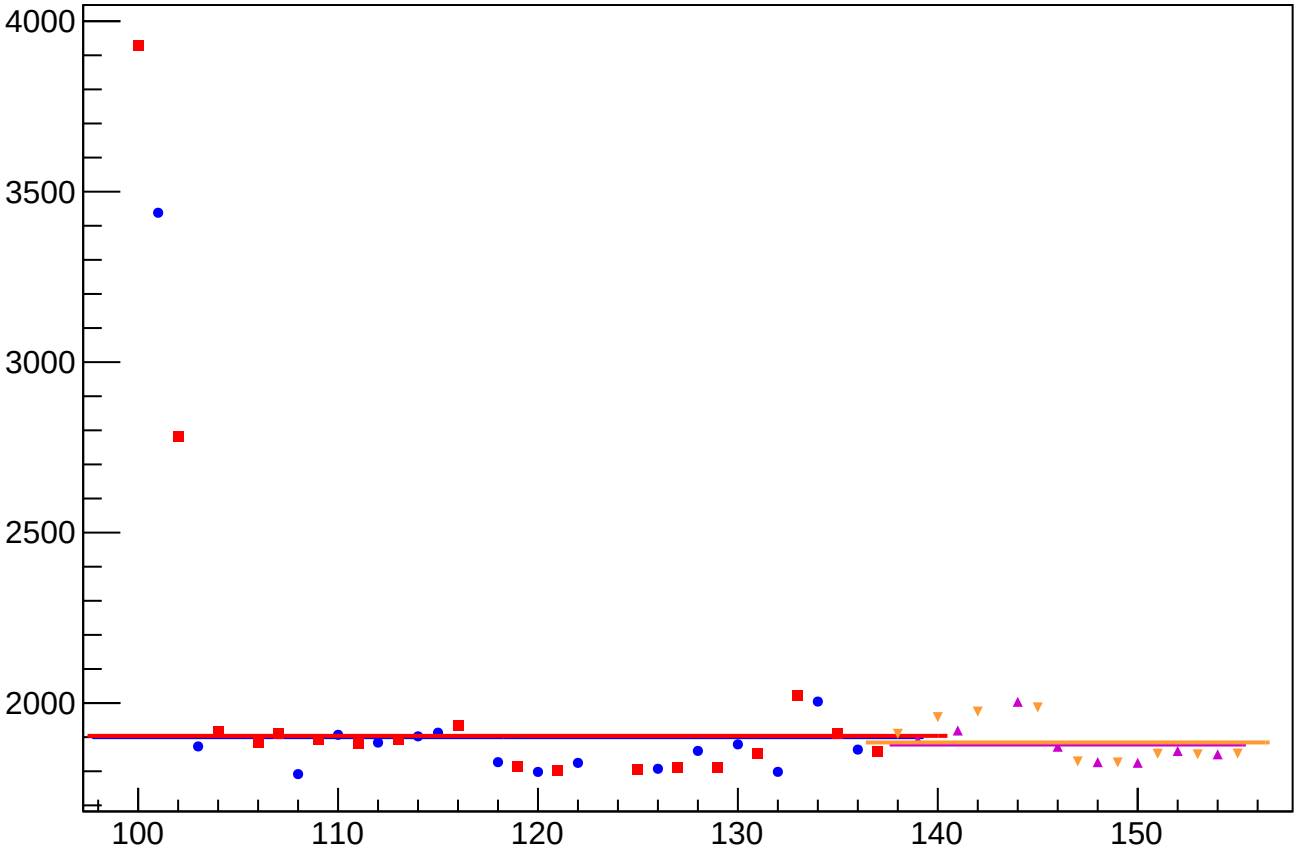
Left In: -4855.611+/-709.321 χ^2/NDF:24.3/7

+ sign 4108.314+/-503.720 χ^2/NDF: 23.1/24

All: -149.481+/-356.622 χ^2/NDF: 208.7/50

- sign -4428.287+/-504.961 χ^2/NDF: 42.4/25

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1884.510+/-0.503 χ^2/NDF:13794.1/8

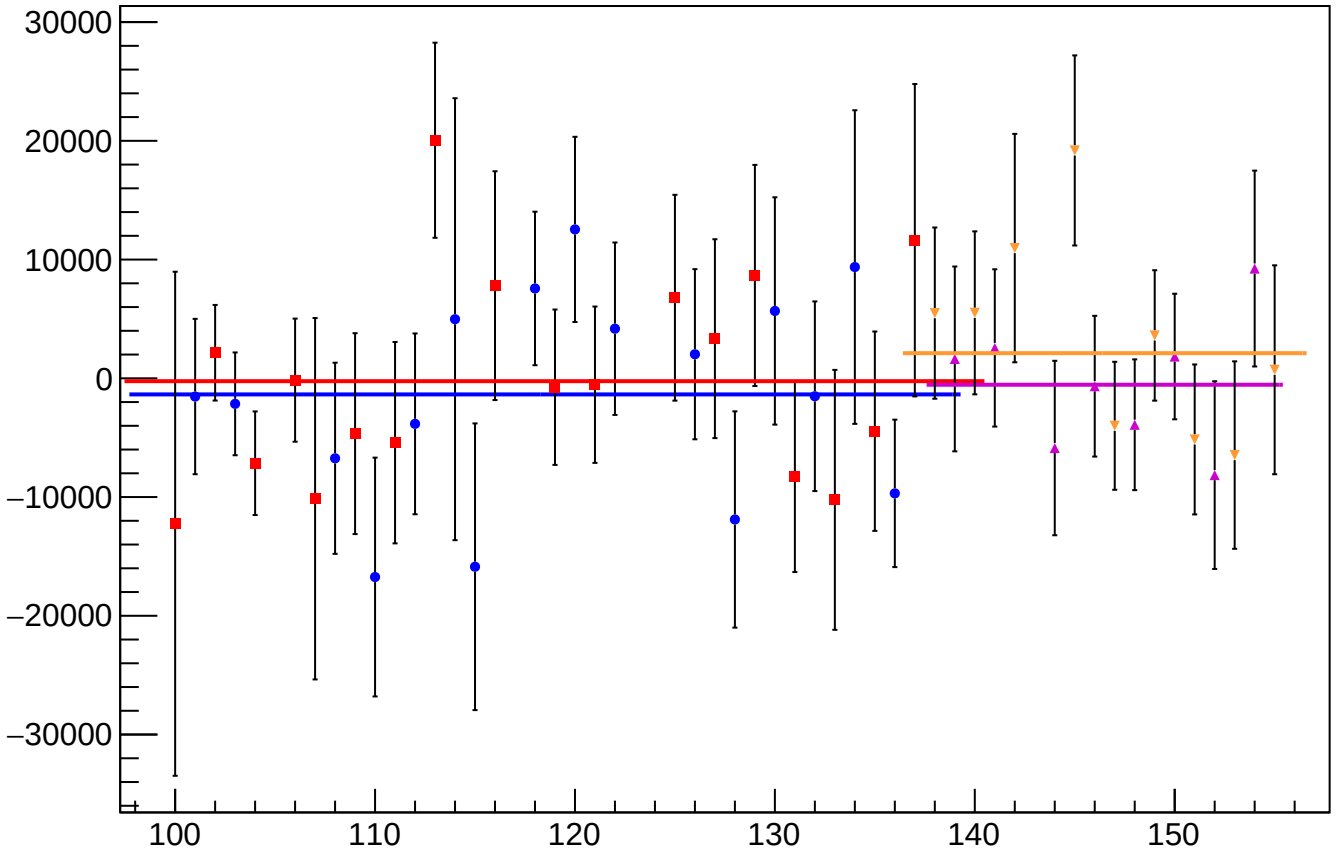
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1878.422+/-0.502 χ^2/NDF:11463.4/7

+ sign 1892.273+/-0.356 χ^2/NDF: 292722.1/24

All: 1891.621+/-0.252 χ^2/NDF: 455574.1/50

- sign 1890.965+/-0.357 χ^2/NDF: 162845.2/25



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 2117.483+/-2303.181 χ^2/NDF:9.8/8

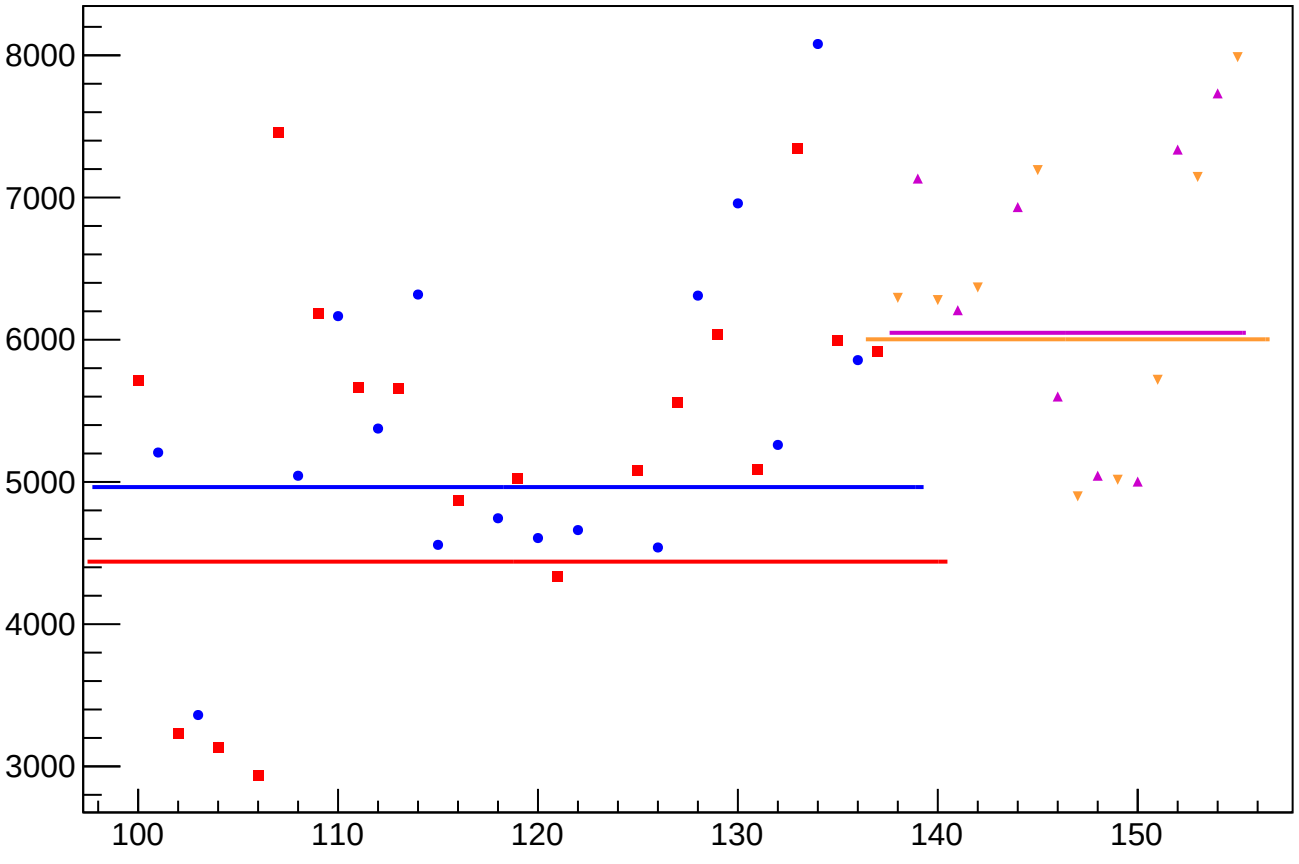
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -540.666+/-2320.236 χ^2/NDF:3.7/7

+ sign 46.693+/-1463.803 χ^2/NDF: 25.8/24

All: -161.927+/-1003.333 χ^2/NDF: 45.3/50

- sign -346.790+/-1377.941 χ^2/NDF: 19.5/25



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6003.028+/-1.629 χ^2/NDF:349809.8/8

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

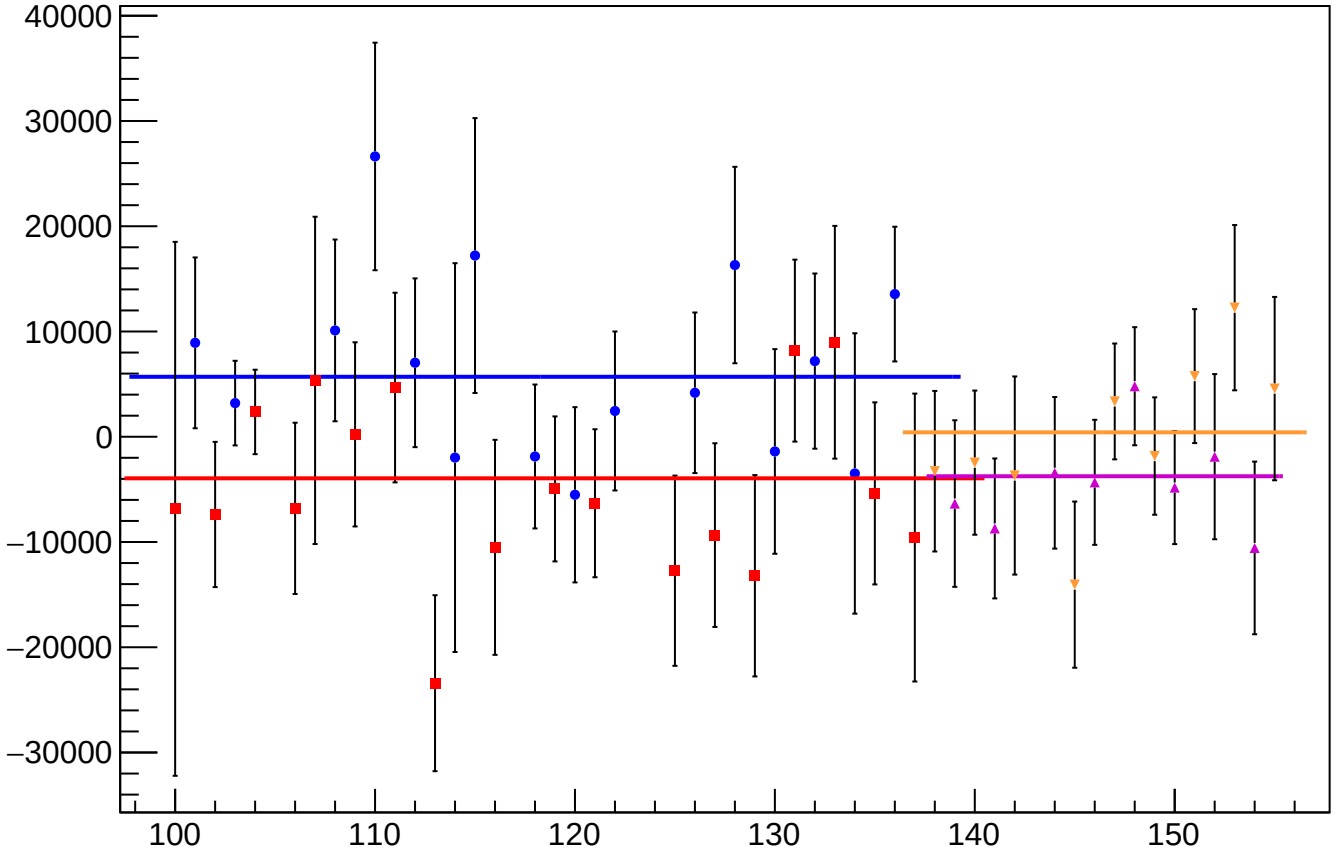
Left In: 6048.794+/-1.641 χ^2/NDF:361760.4/7

+ sign 5383.689+/-1.035 χ^2/NDF: 1219814.5/24

All: 5184.075+/-0.709 χ^2/NDF: 3432903.8/50

- sign 5007.192+/-0.974 χ^2/NDF: 2142941.4/25

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 418.621+/-2324.241 χ^2/NDF:7.6/8

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

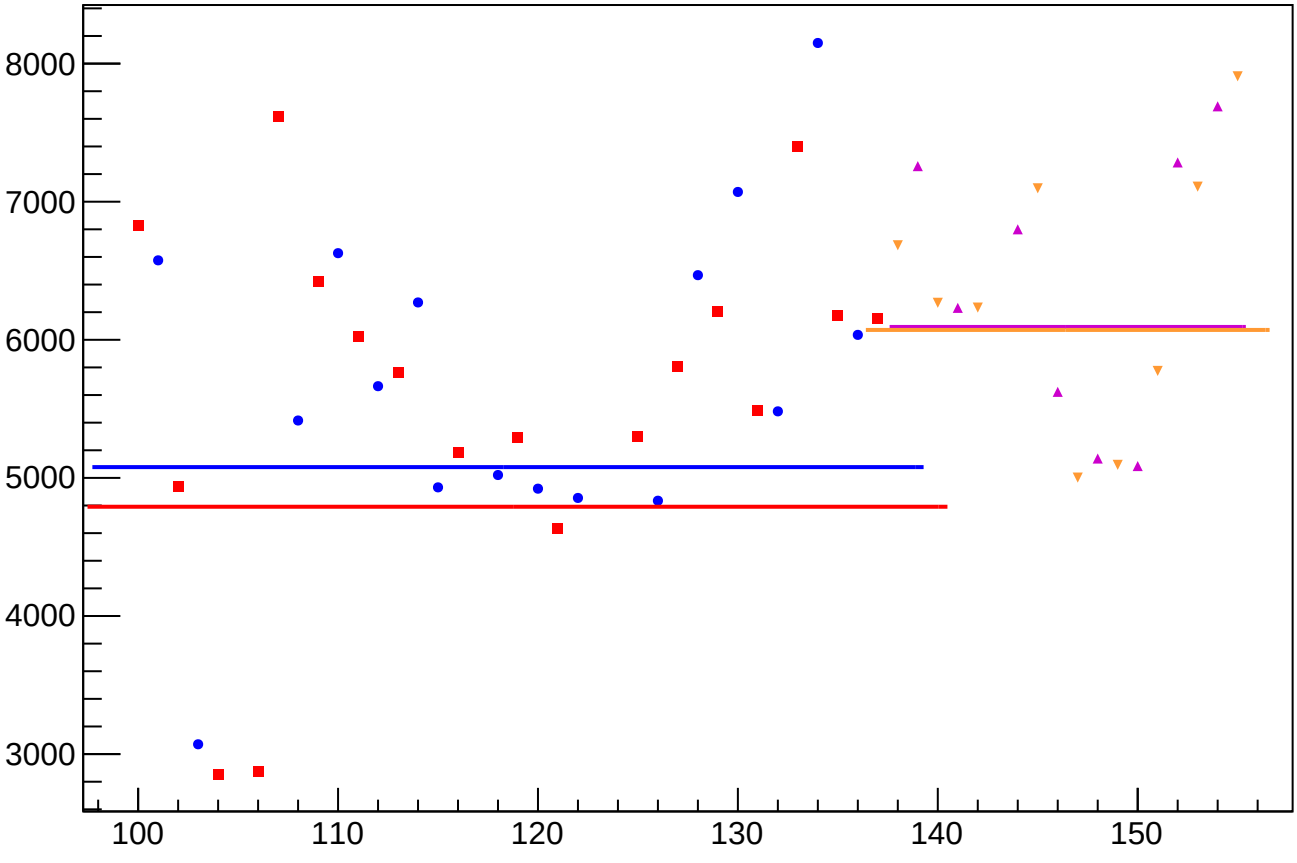
Left In: -3753.892+/-2333.036 χ^2/NDF:3.8/7

+ sign 3504.507+/-1498.003 χ^2/NDF: 23.3/24

All: -220.604+/-1053.827 χ^2/NDF: 55.4/50

- sign -3870.424+/-1482.787 χ^2/NDF: 19.9/25

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6071.467+/-1.643 χ^2/NDF:313974.0/8

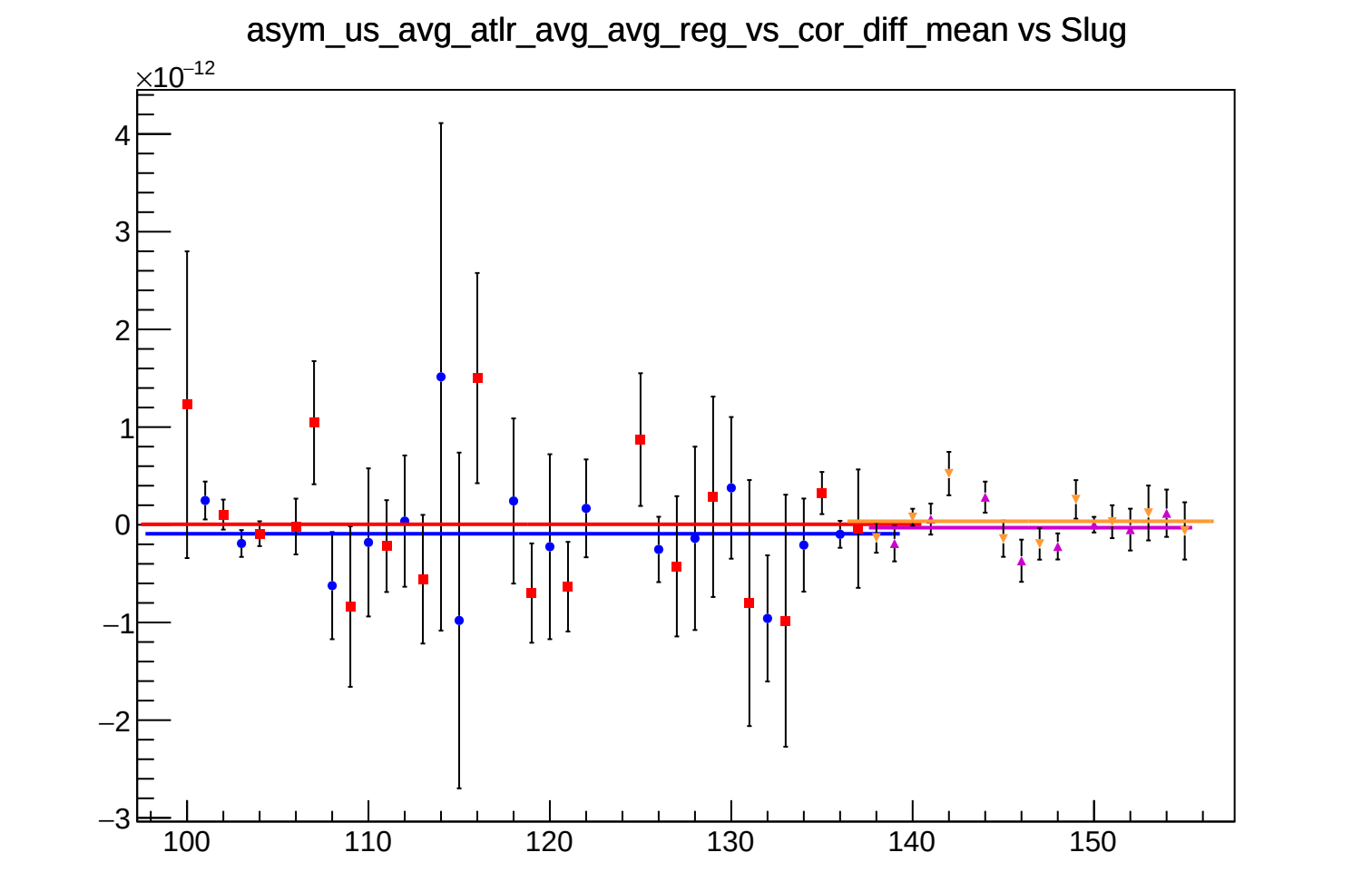
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6093.097+/-1.650 χ^2/NDF:325884.2/7

+ sign 5490.767+/-1.059 χ^2/NDF: 1446736.3/24

All: 5395.470+/-0.741 χ^2/NDF: 3328233.5/50

- sign 5304.354+/-1.036 χ^2/NDF: 1865664.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/8

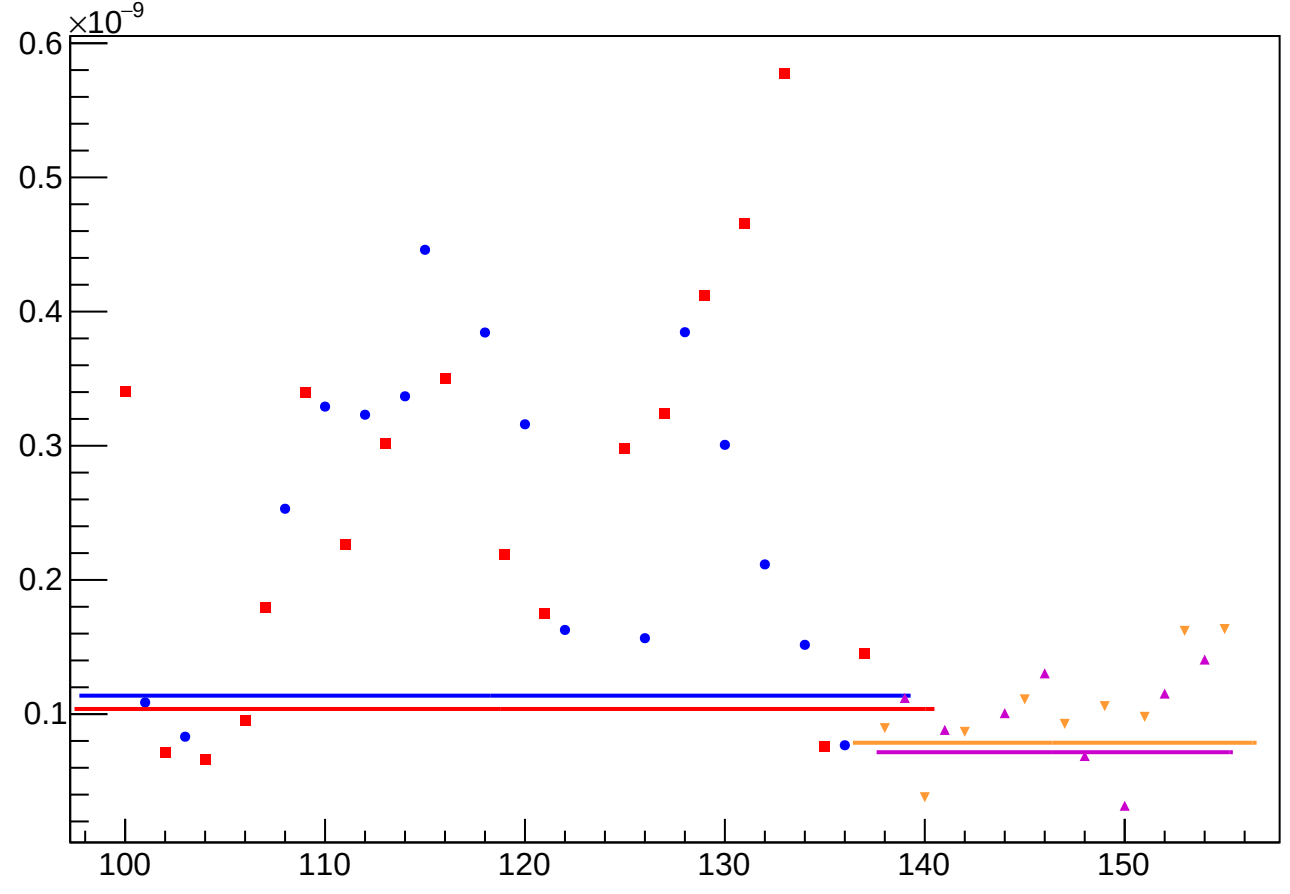
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:10.0/7

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/24

All: -0.000+/-0.000 χ^2/NDF: 48.4/50

- sign -0.000+/-0.000 χ^2/NDF: 27.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:944946.0/8

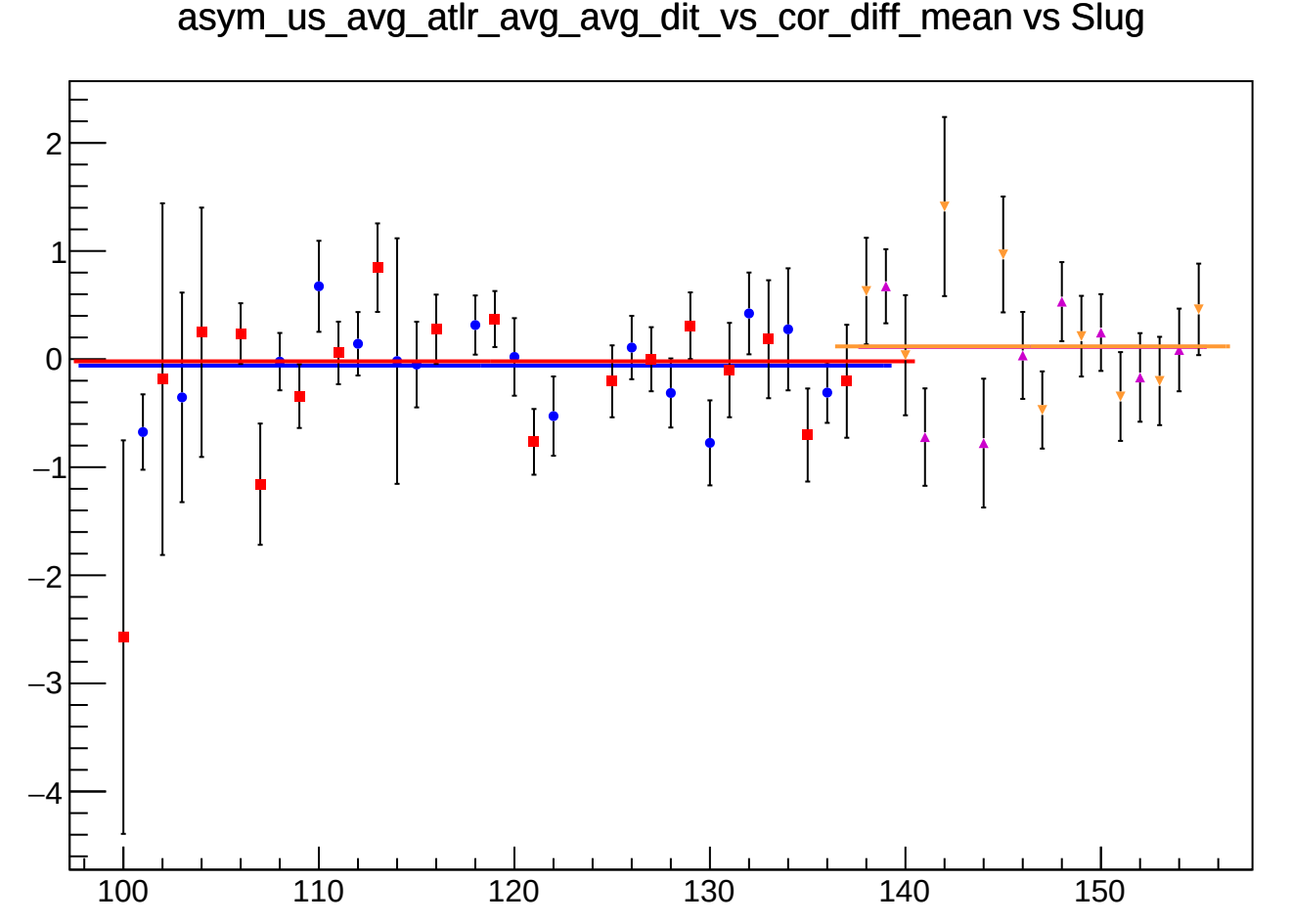
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1080877.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 2746211.0/24

All: 0.000+/-0.000 χ^2/NDF: 6195012.3/50

- sign 0.000+/-0.000 χ^2/NDF: 3410810.1/25



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.118+/-0.149 χ^2/NDF:11.4/8

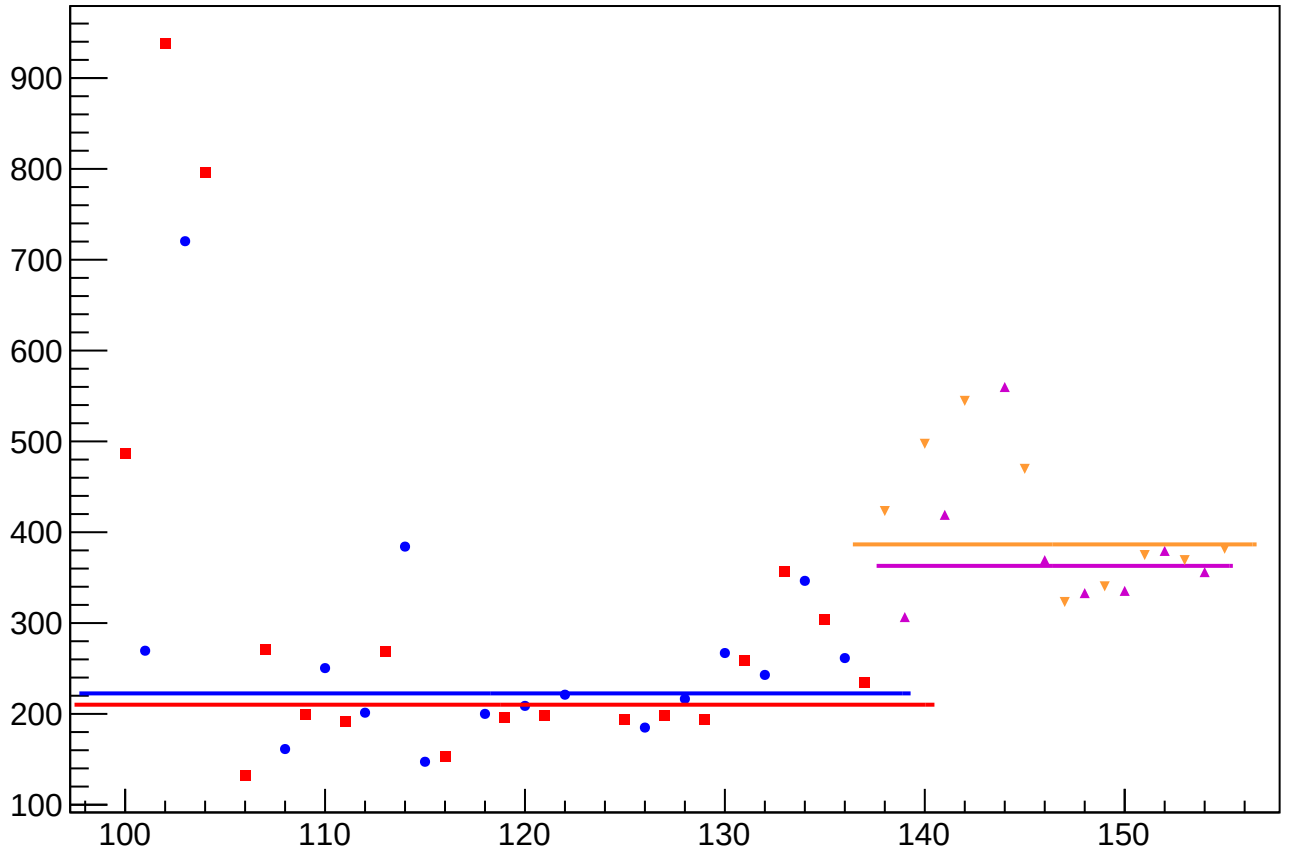
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.112+/-0.141 χ^2/NDF:10.3/7

+ sign -0.014+/-0.076 χ^2/NDF: 29.7/24

All: 0.002+/-0.053 χ^2/NDF: 66.9/50

- sign 0.017+/-0.074 χ^2/NDF: 37.1/25



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 386.612+/-0.106 χ^2/NDF:310587.7/8

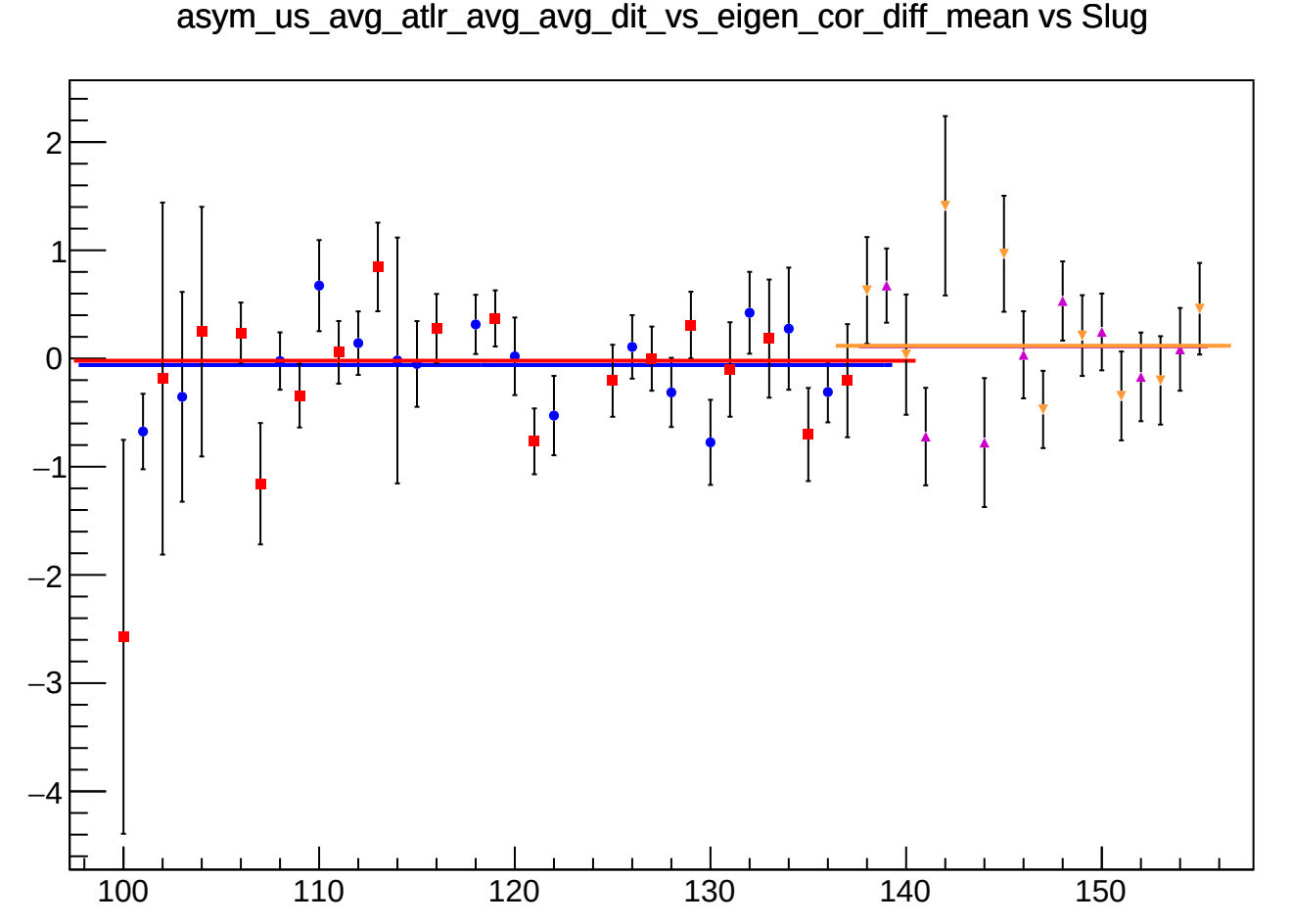
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 362.976+/-0.099 χ^2/NDF:333398.1/7

+ sign 265.303+/-0.054 χ^2/NDF: 3113080.5/24

All: 258.872+/-0.038 χ^2/NDF: 6728514.6/50

- sign 252.775+/-0.052 χ^2/NDF: 3587713.0/25



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.118+/-0.149 χ^2/NDF:11.4/8

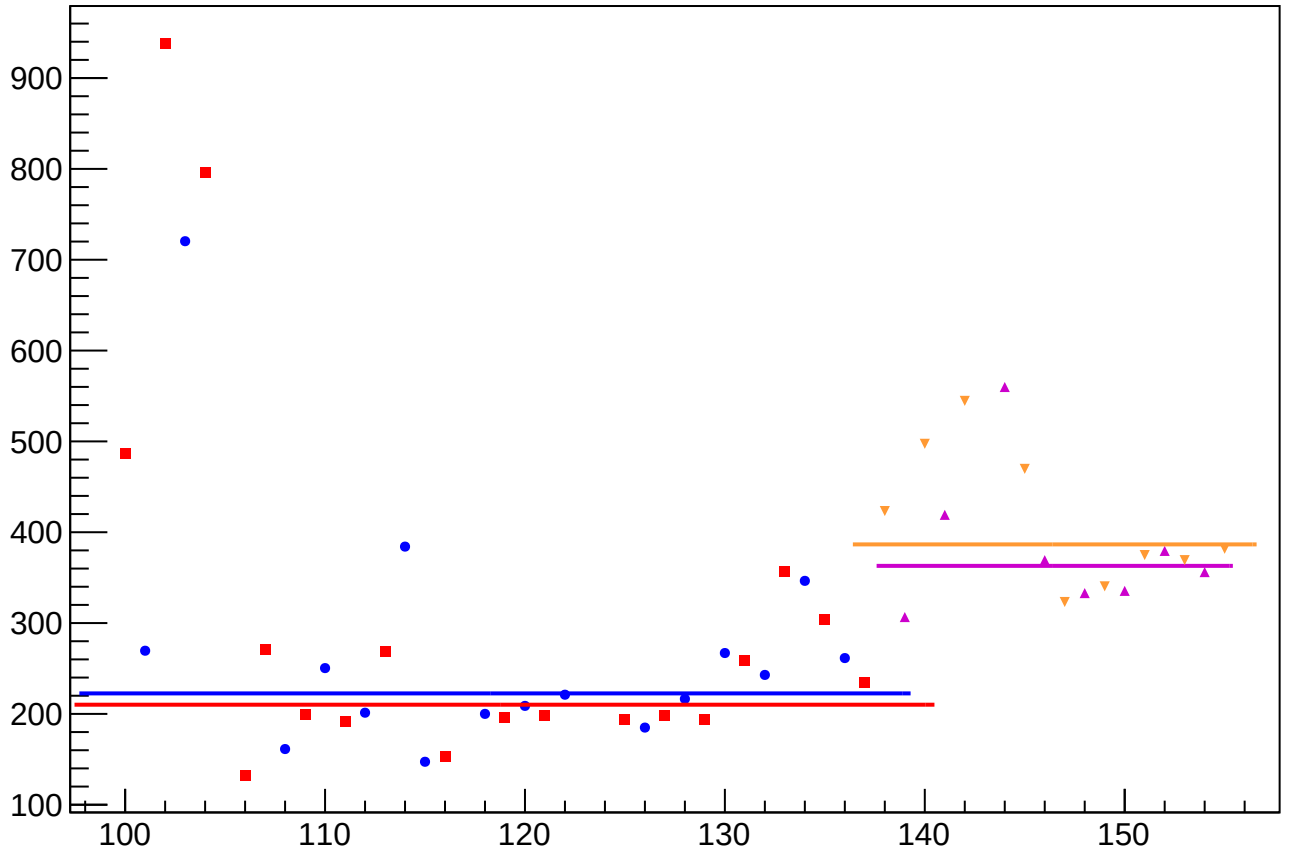
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.112+/-0.141 χ^2/NDF:10.3/7

+ sign -0.014+/-0.076 χ^2/NDF: 29.7/24

All: 0.002+/-0.053 χ^2/NDF: 66.9/50

- sign 0.017+/-0.074 χ^2/NDF: 37.1/25



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 386.612+/-0.106 χ^2/NDF:310587.7/8

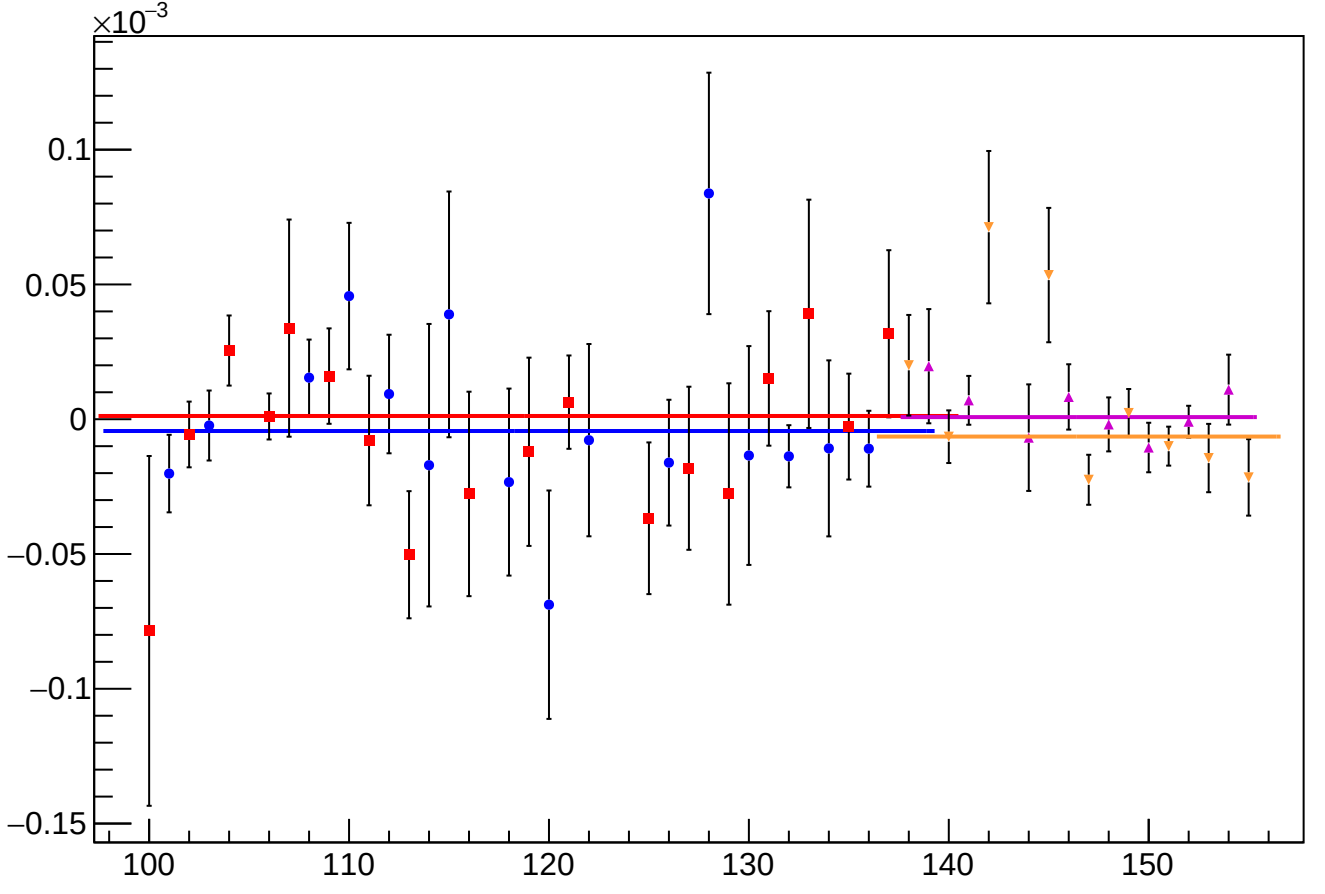
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 362.976+/-0.099 χ^2/NDF:333398.1/7

+ sign 265.303+/-0.054 χ^2/NDF: 3113080.5/24

All: 258.872+/-0.038 χ^2/NDF: 6728514.6/50

- sign 252.775+/-0.052 χ^2/NDF: 3587713.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/8

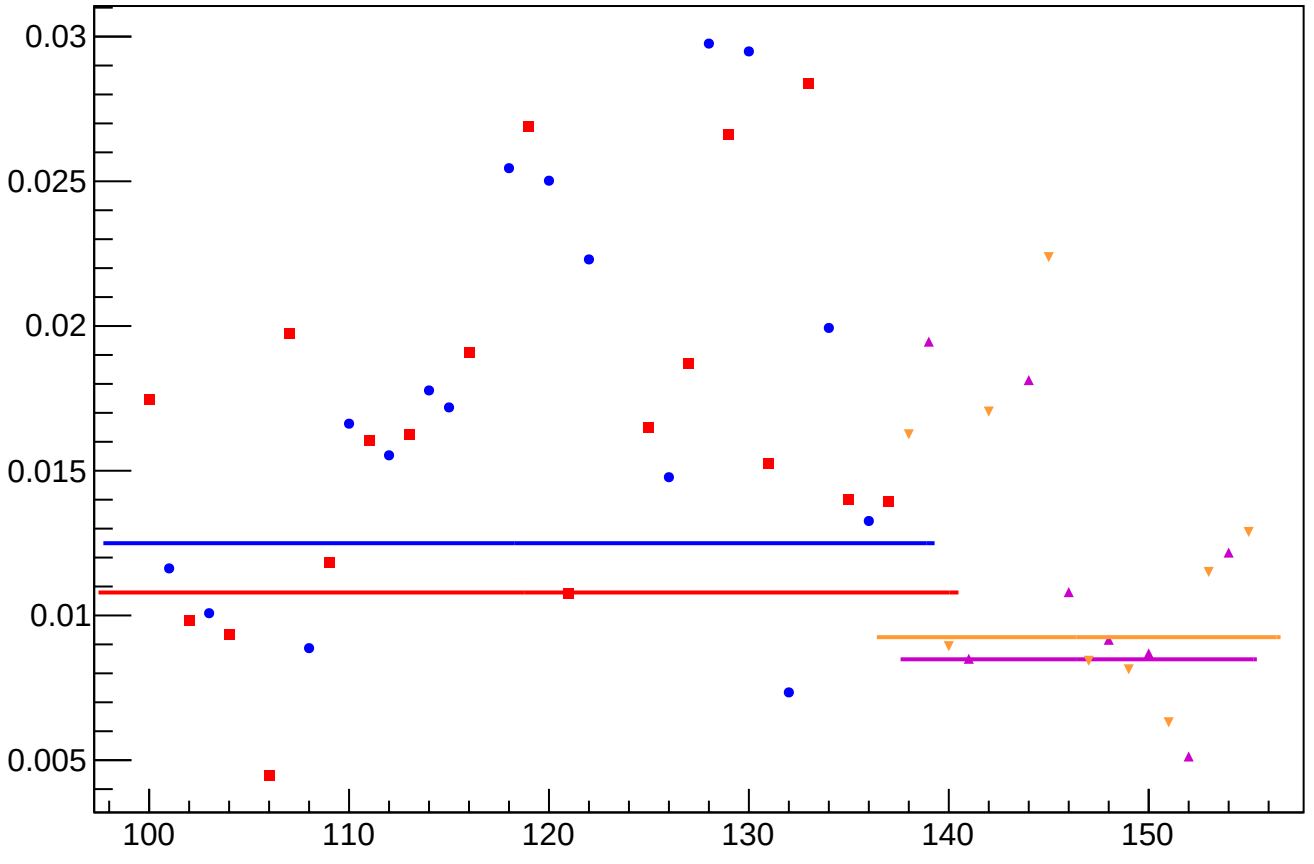
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:4.1/7

+ sign -0.000+/-0.000 χ^2/NDF: 36.8/24

All: -0.000+/-0.000 χ^2/NDF: 60.7/50

- sign 0.000+/-0.000 χ^2/NDF: 21.3/25



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1563517.5/8

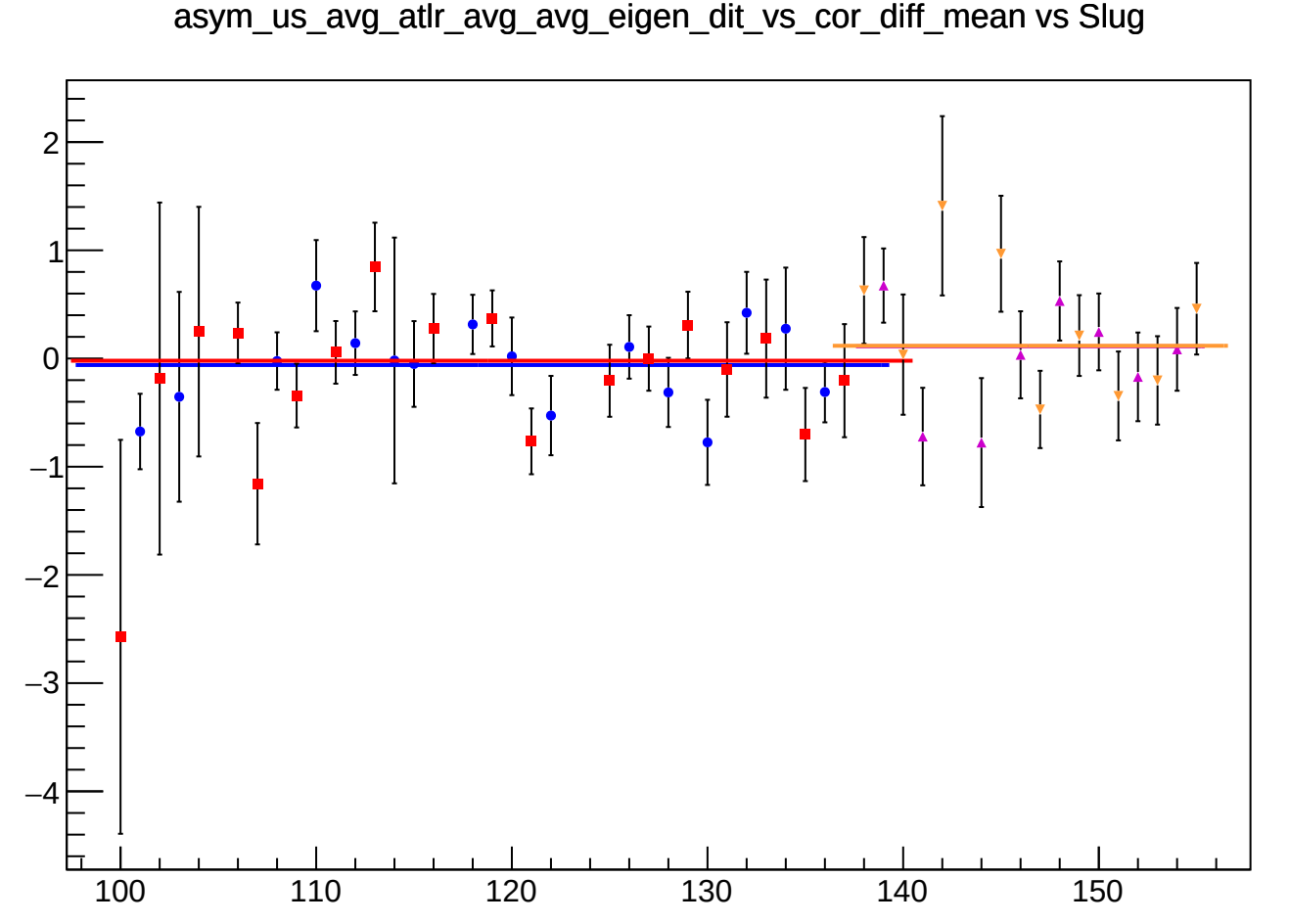
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:1904097.5/7

+ sign 0.010+/-0.000 χ^2/NDF: 4205502.7/24

All: 0.010+/-0.000 χ^2/NDF: 9546050.7/50

- sign 0.009+/-0.000 χ^2/NDF: 5209899.9/25



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.118+/-0.149 χ^2/NDF:11.4/8

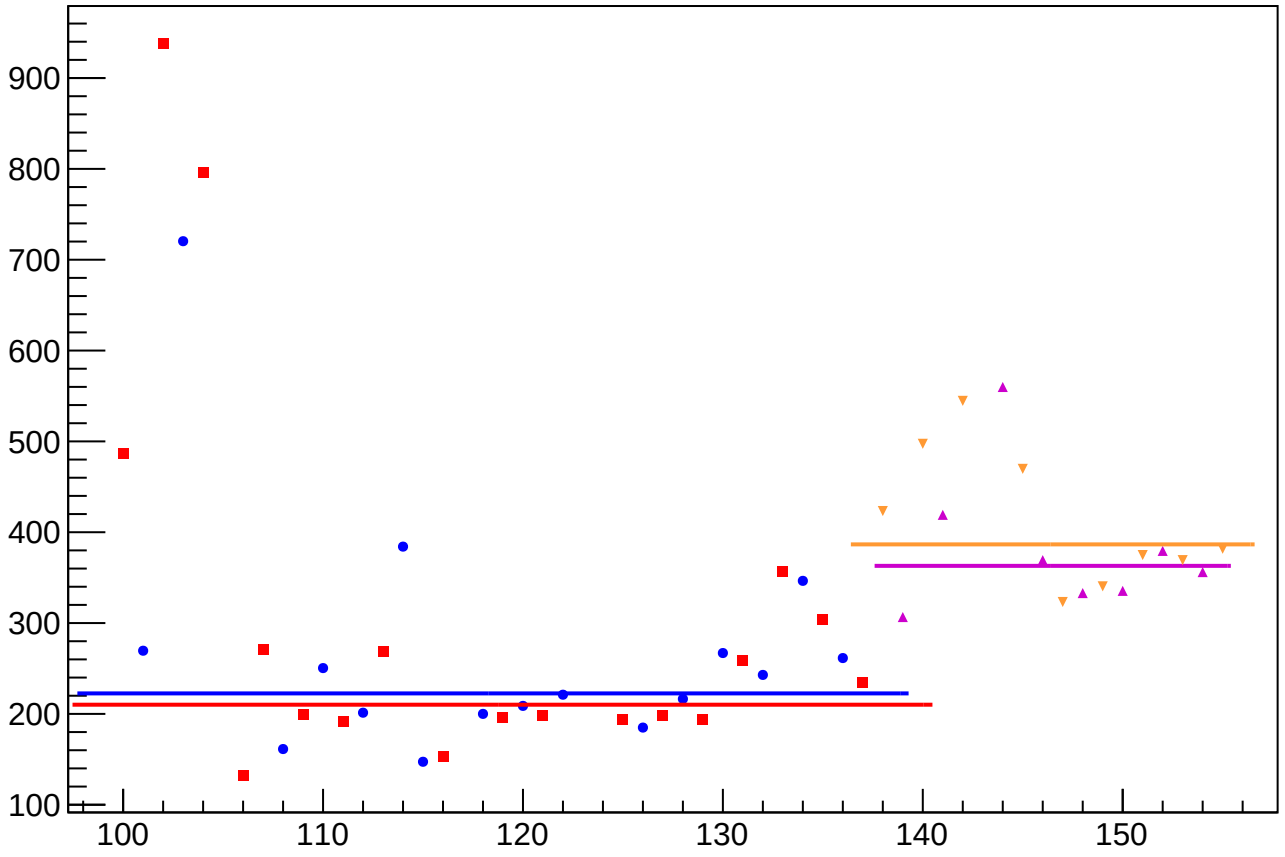
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.112+/-0.141 χ^2/NDF:10.3/7

+ sign -0.014+/-0.076 χ^2/NDF: 29.7/24

All: 0.002+/-0.053 χ^2/NDF: 66.9/50

- sign 0.017+/-0.074 χ^2/NDF: 37.1/25



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 386.617+/-0.106 χ^2/NDF:310586.7/8

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

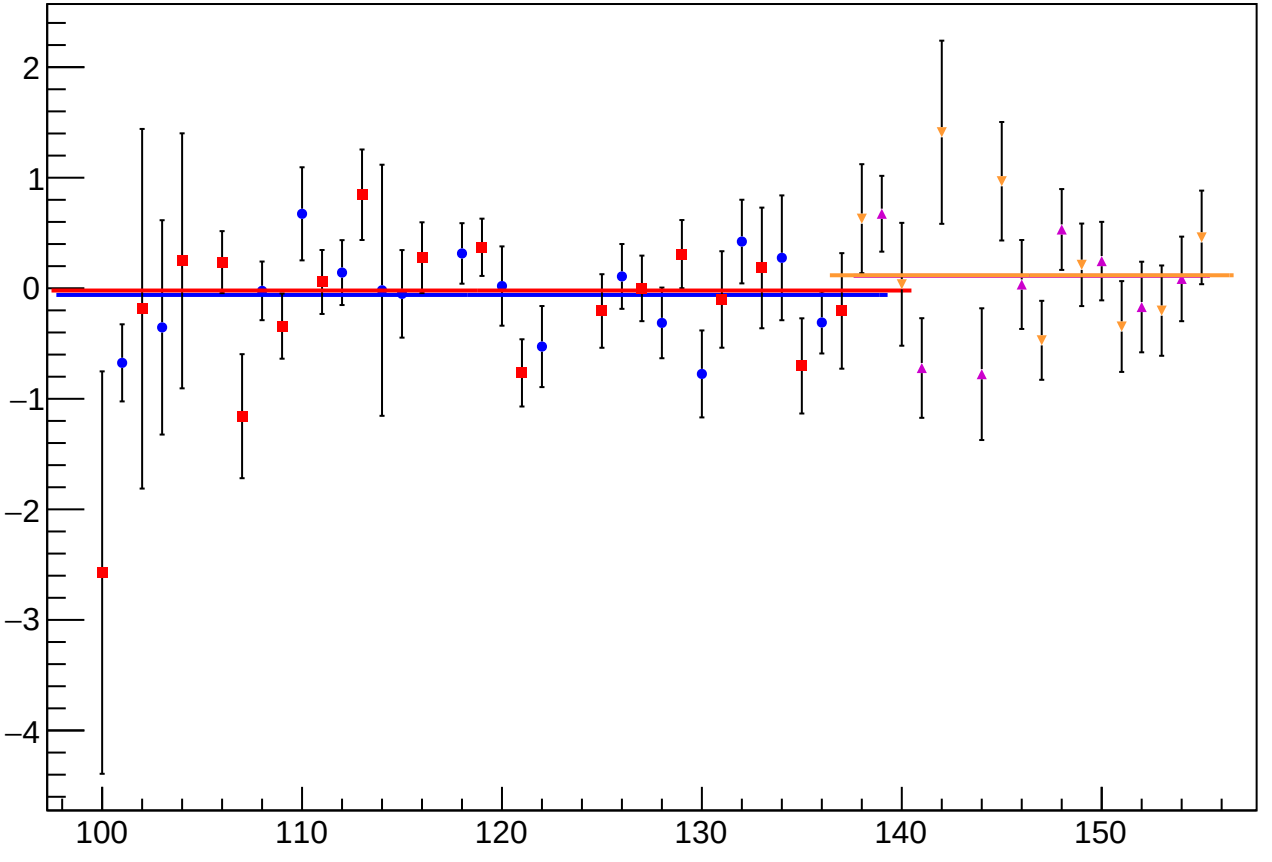
Left In: 362.981+/-0.099 χ^2/NDF:333388.7/7

+ sign 265.301+/-0.054 χ^2/NDF: 3113183.3/24

All: 258.870+/-0.038 χ^2/NDF: 6728745.1/50

- sign 252.772+/-0.052 χ^2/NDF: 3587837.3/25

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.118+/-0.149 χ^2/NDF:11.4/8

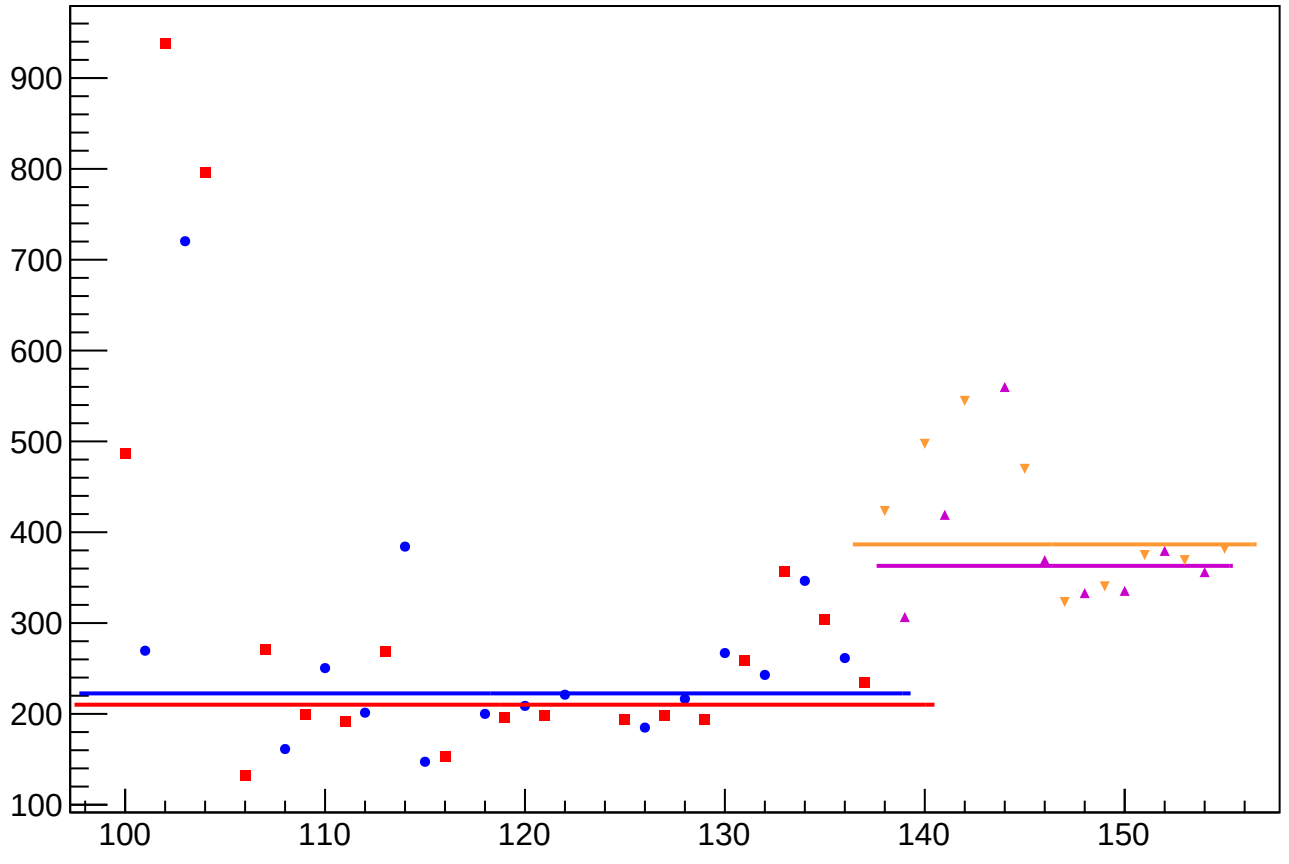
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.112+/-0.141 χ^2/NDF:10.3/7

+ sign -0.014+/-0.076 χ^2/NDF: 29.7/24

All: 0.002+/-0.053 χ^2/NDF: 66.9/50

- sign 0.017+/-0.074 χ^2/NDF: 37.1/25



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 386.617+/-0.106 χ^2/NDF:310586.7/8

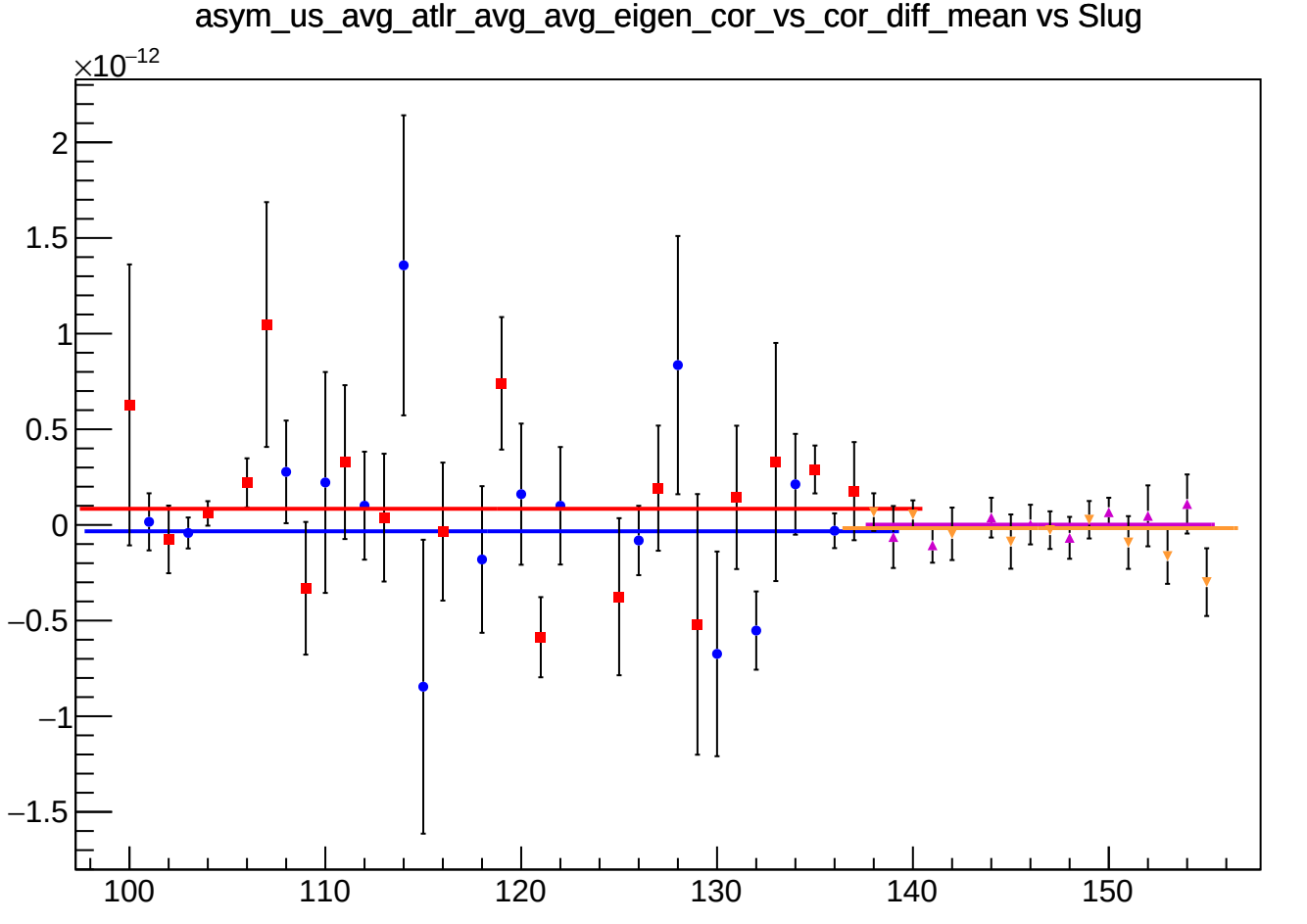
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 362.981+/-0.099 χ^2/NDF:333388.7/7

+ sign 265.301+/-0.054 χ^2/NDF: 3113183.3/24

All: 258.870+/-0.038 χ^2/NDF: 6728745.1/50

- sign 252.772+/-0.052 χ^2/NDF: 3587837.3/25



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/8

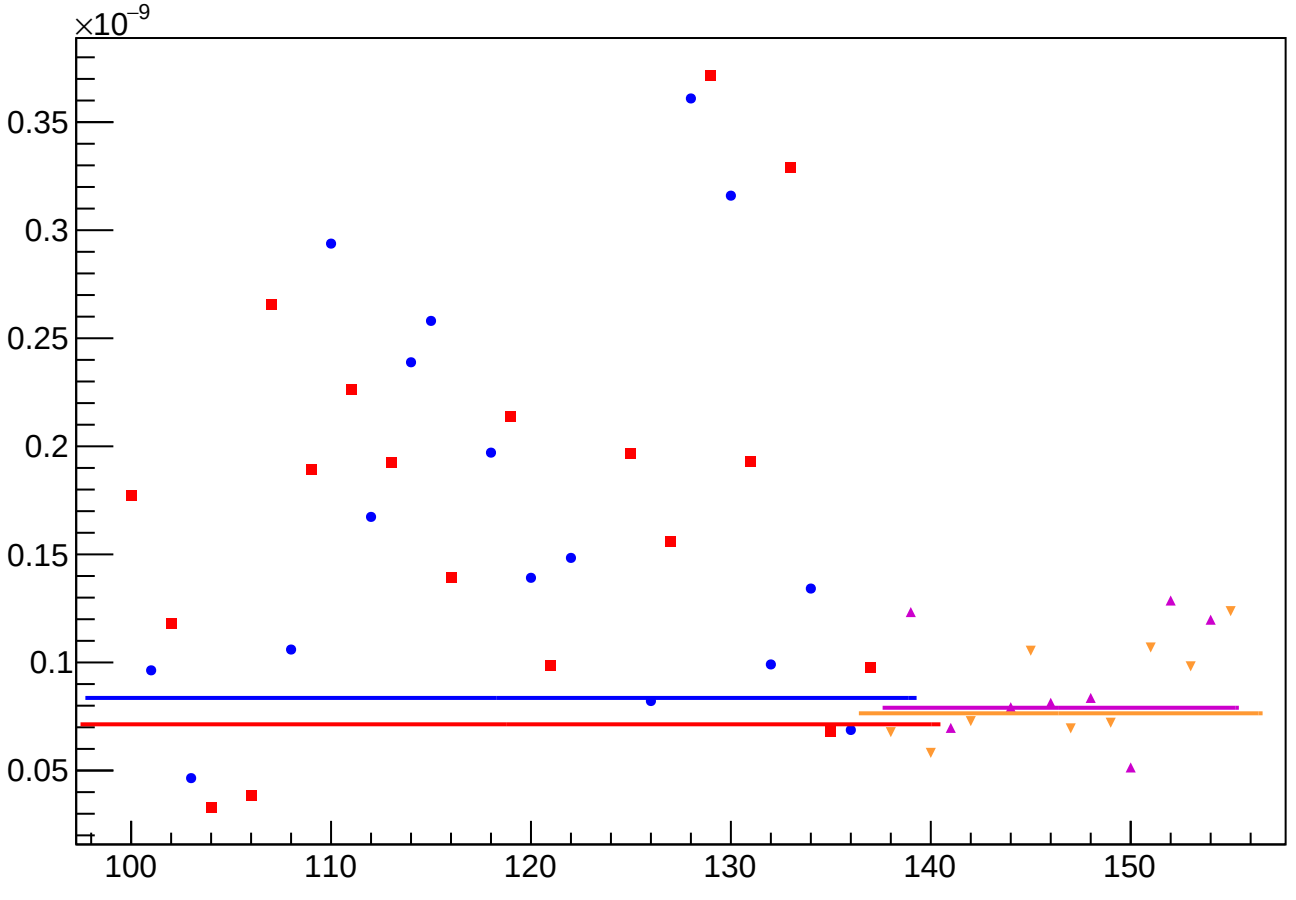
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:3.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.3/24

All: 0.000+/-0.000 χ^2/NDF: 56.7/50

- sign 0.000+/-0.000 χ^2/NDF: 31.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:520800.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

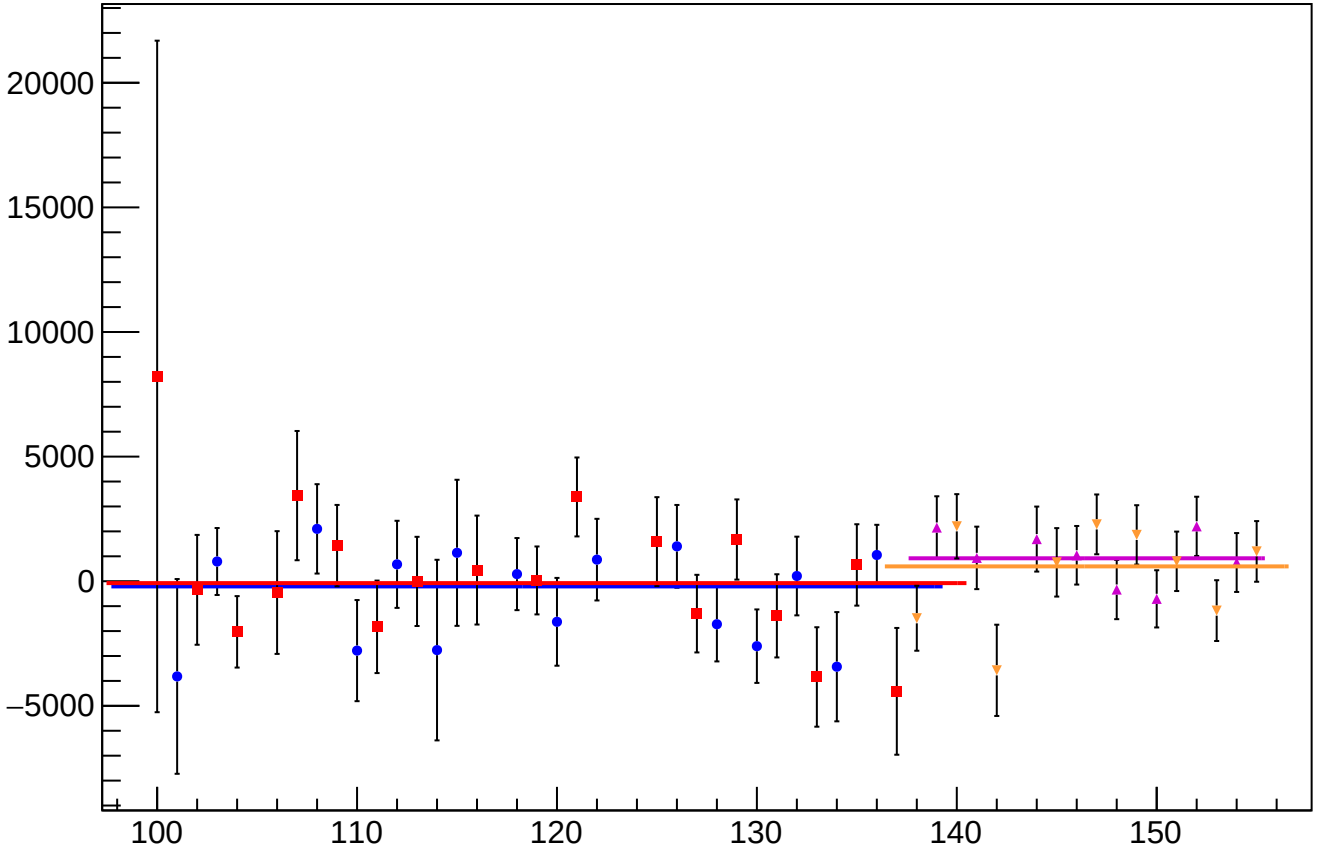
Left In: 0.000+/-0.000 χ^2/NDF:775238.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 2784412.9/24

All: 0.000+/-0.000 χ^2/NDF: 7353018.0/50

- sign 0.000+/-0.000 χ^2/NDF: 4554708.1/25

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 595.171+/-427.606 χ^2/NDF:14.8/8

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

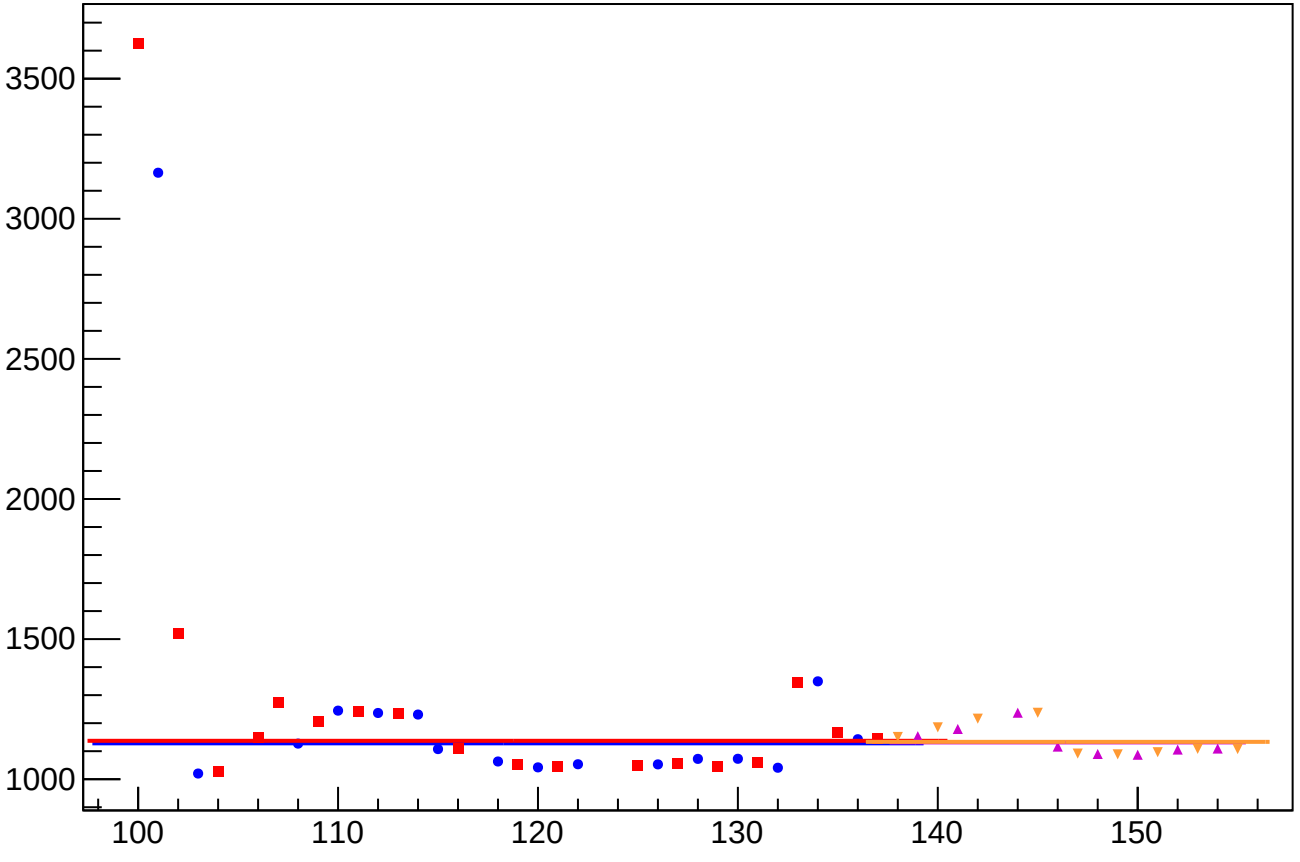
Left In: 920.230+/-427.363 χ^2/NDF:5.6/7

+ sign 194.868+/-302.909 χ^2/NDF: 31.3/24

All: 310.378+/-214.357 χ^2/NDF: 60.6/50

- sign 426.250+/-303.385 χ^2/NDF: 29.0/25

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1133.313+/-0.302 χ^2/NDF:27994.7/8

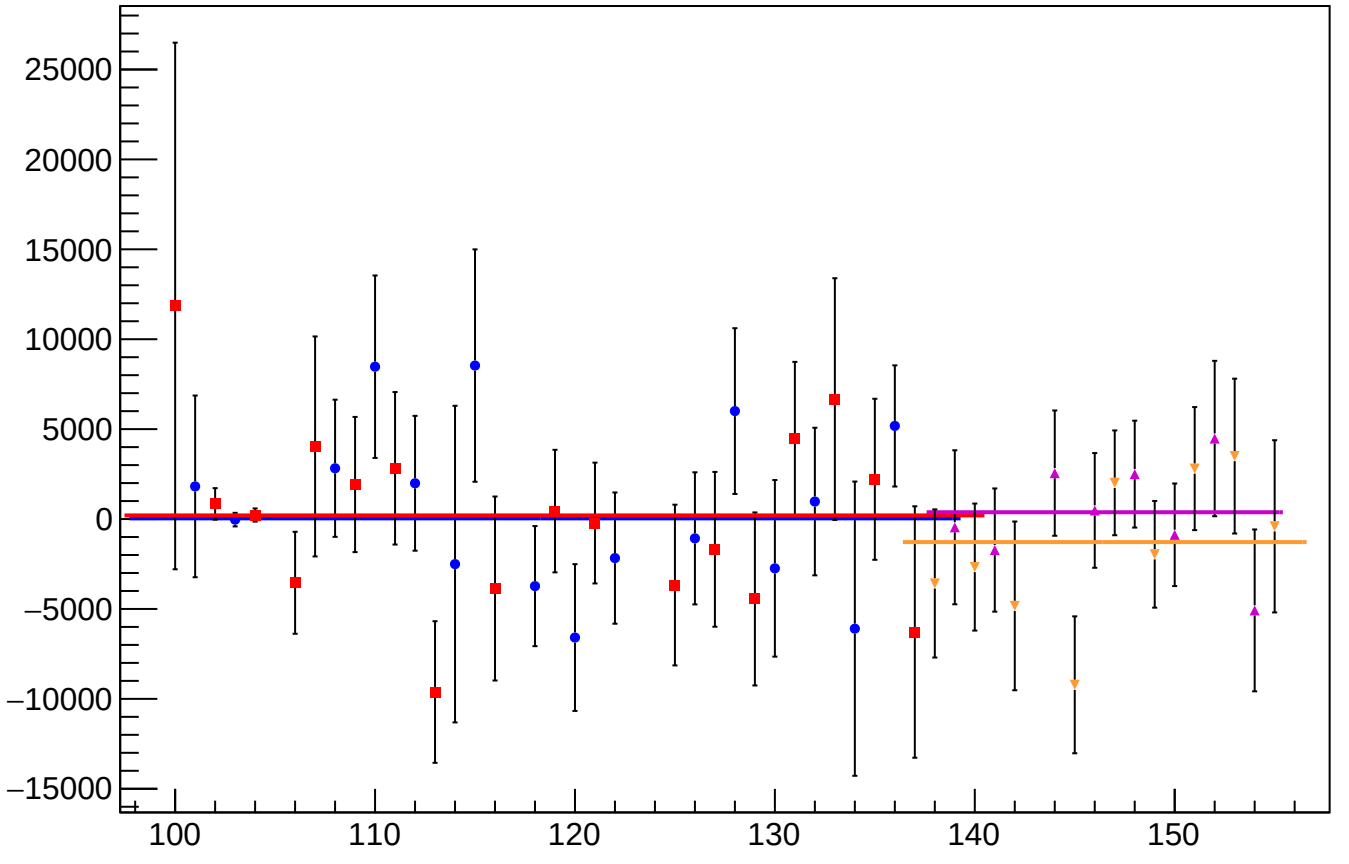
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1131.335+/-0.302 χ^2/NDF:24044.7/7

+ sign 1130.670+/-0.214 χ^2/NDF: 649542.6/24

All: 1132.419+/-0.152 χ^2/NDF: 893984.2/50

- sign 1134.171+/-0.214 χ^2/NDF: 244308.1/25



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -1280.954+/-1223.718 χ^2/NDF:9.4/8

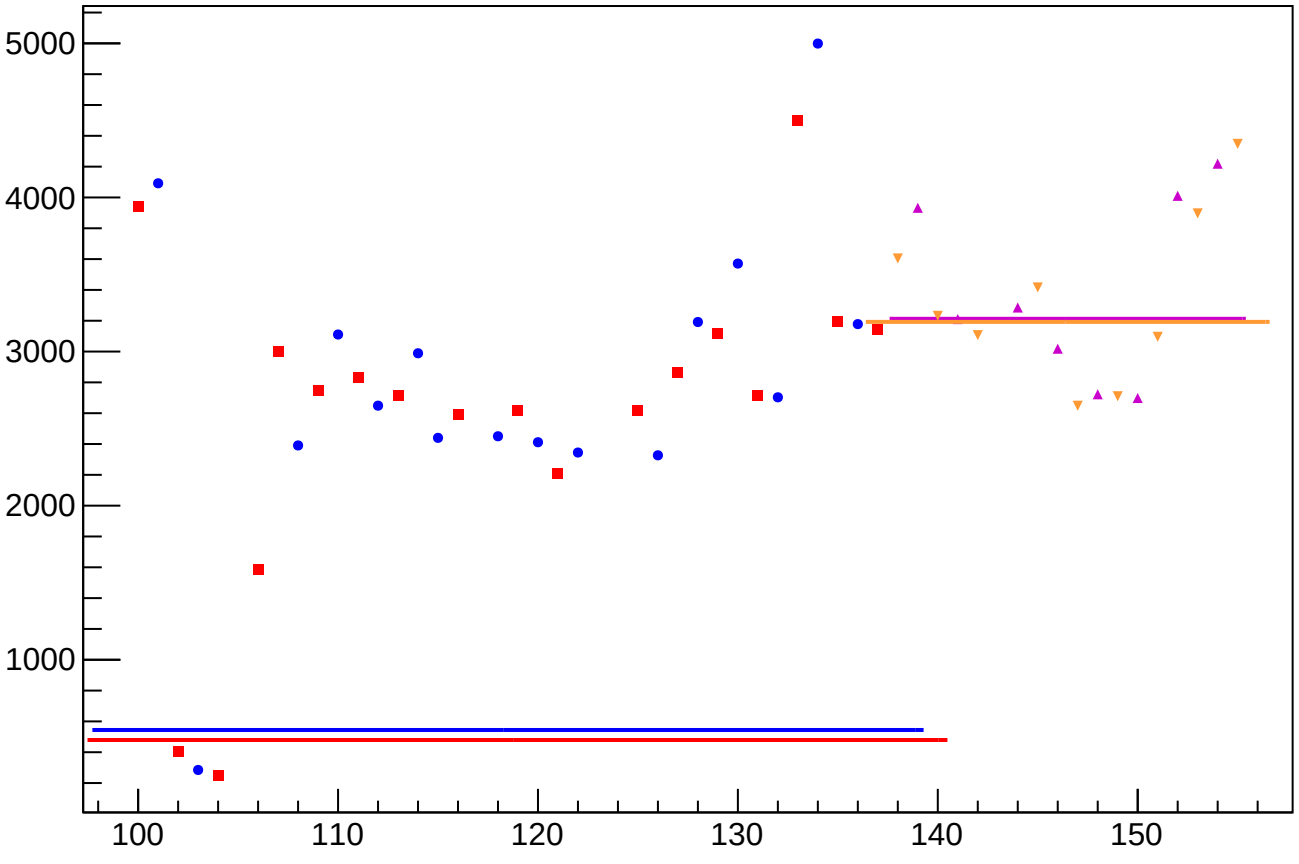
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 378.854+/-1231.461 χ^2/NDF:3.9/7

\+ sign -65.521+/-343.290 χ^2/NDF: 25.3/24

All: 87.010+/-230.897 χ^2/NDF: 45.2/50

\- sign 213.018+/-312.020 χ^2/NDF: 19.5/25



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3192.591+/-0.865 χ^2/NDF:321900.4/8

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

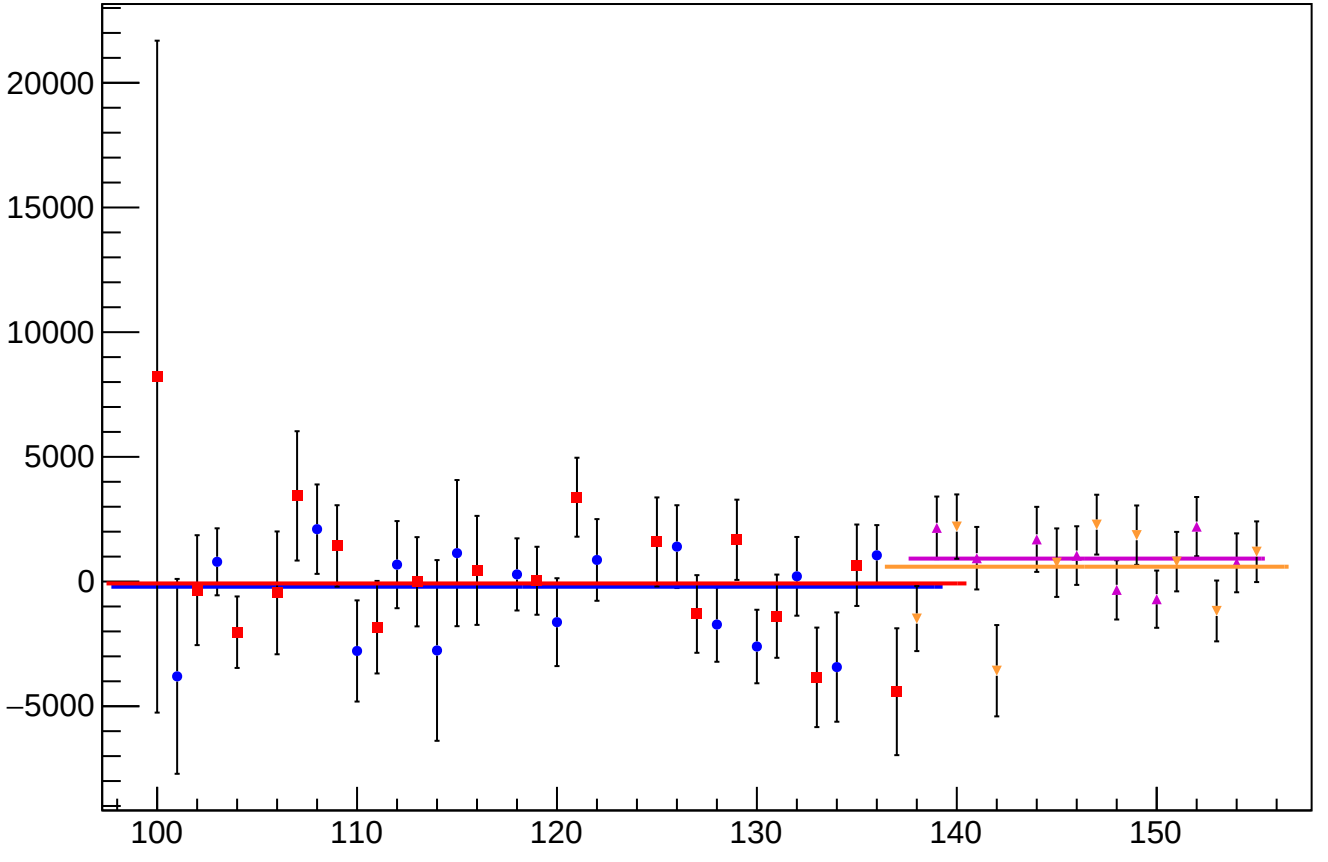
Left In: 3212.553+/-0.871 χ^2/NDF:352411.9/7

+ sign 752.746+/-0.243 χ^2/NDF: 18634440.4/24

All: 699.069+/-0.163 χ^2/NDF: 37484483.2/50

- sign 654.726+/-0.221 χ^2/NDF: 18760751.1/25

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 595.195+/-427.606 χ^2/NDF:14.8/8

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

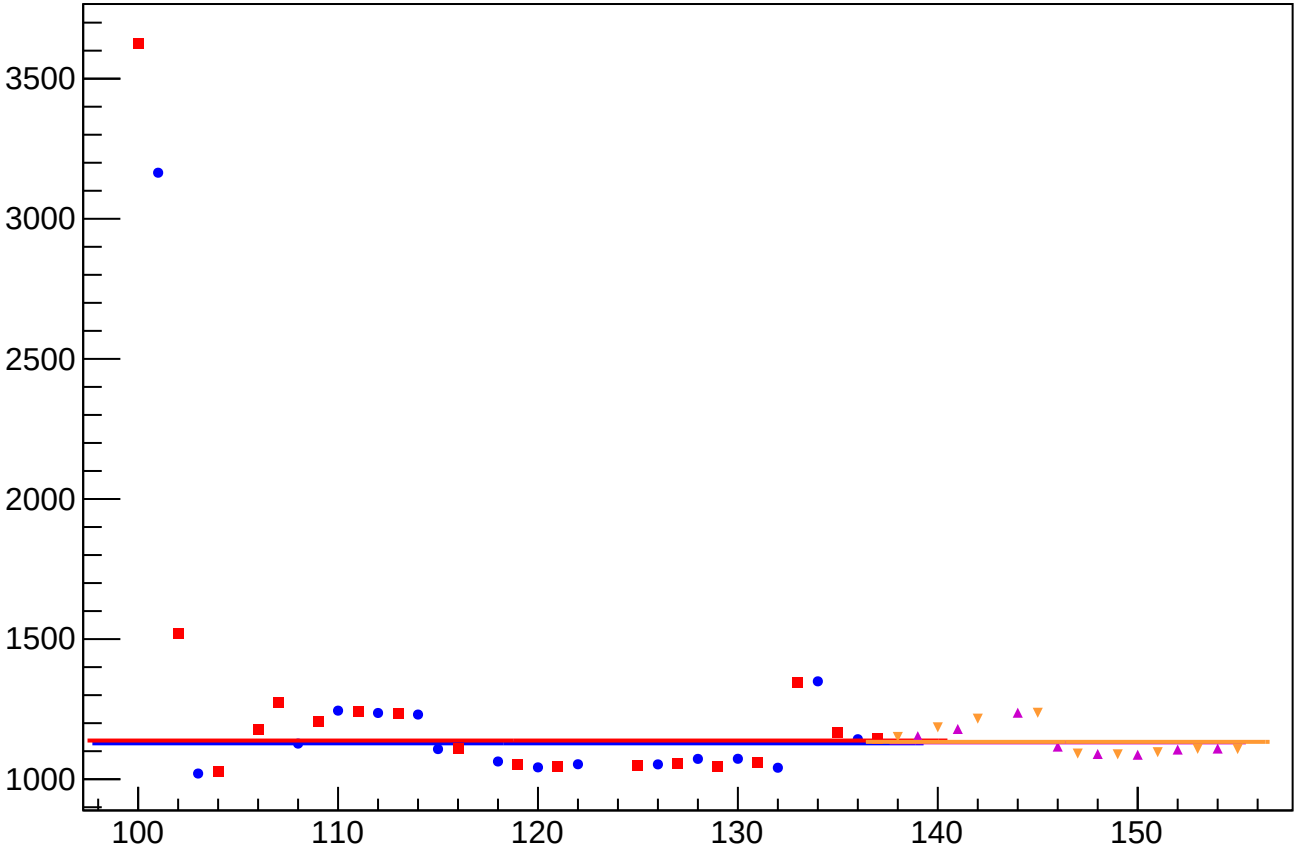
Left In: 920.306+/-427.363 χ^2/NDF:5.6/7

\+ sign 194.994+/-302.909 χ^2/NDF: 31.3/24

All: 310.424+/-214.357 χ^2/NDF: 60.6/50

\- sign 426.217+/-303.385 χ^2/NDF: 29.0/25

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1133.313+/-0.302 χ^2/NDF:27994.7/8

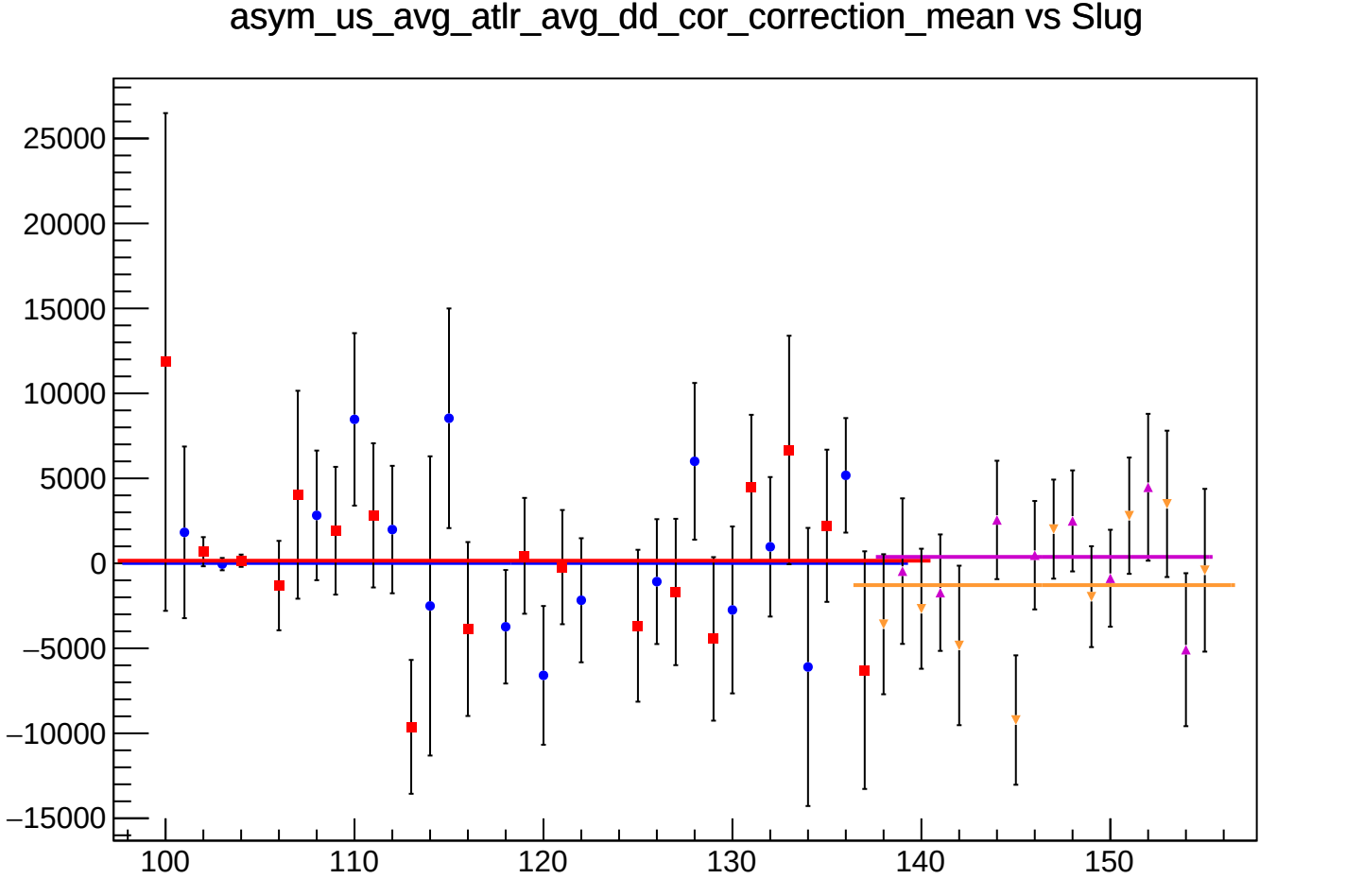
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

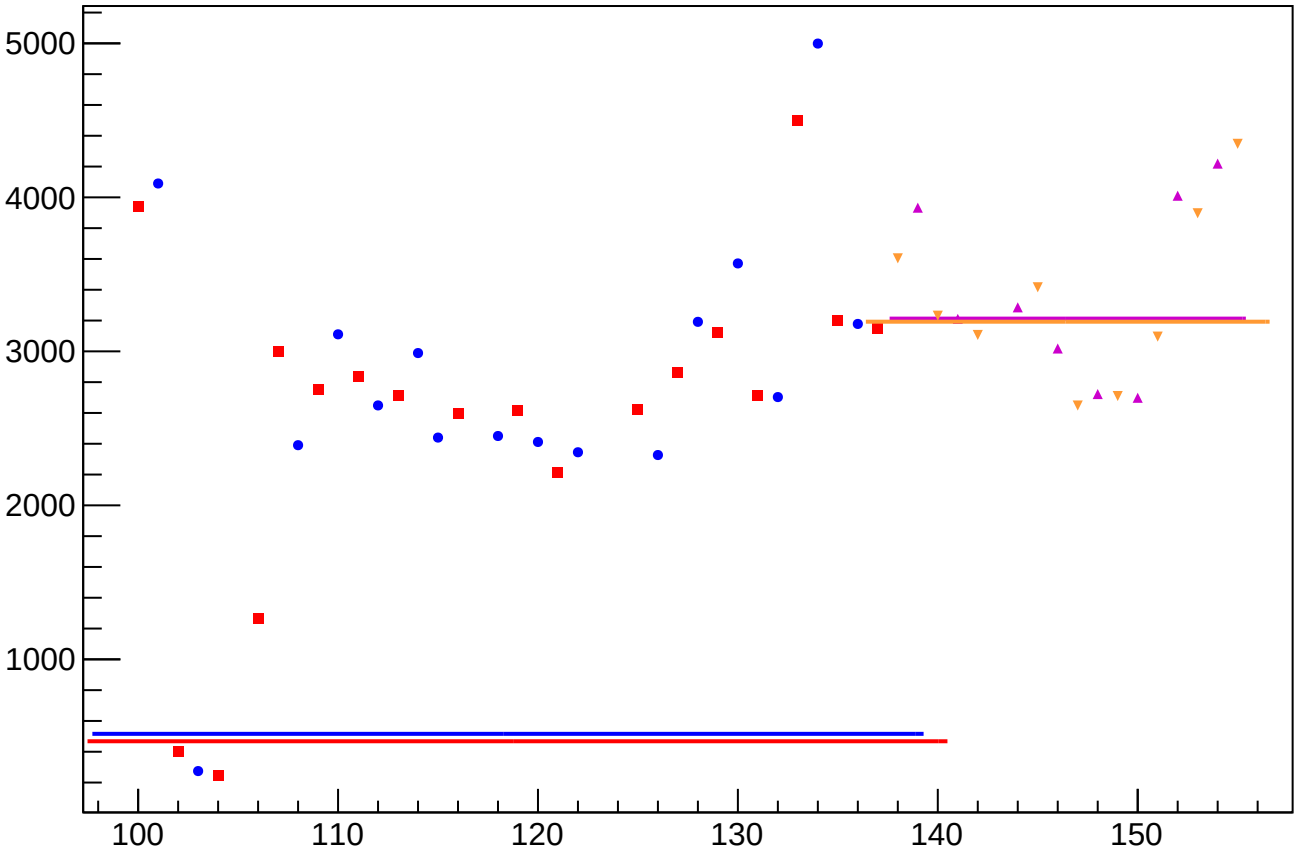
Left In: 1131.335+/-0.302 χ^2/NDF:24044.7/7

+ sign 1130.670+/-0.214 χ^2/NDF: 649543.7/24

All: 1132.654+/-0.152 χ^2/NDF: 894626.2/50

- sign 1134.643+/-0.214 χ^2/NDF: 244910.6/25


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
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -1280.883+/-1223.717 χ²/NDF:9.4/8
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 378.838+/-1231.460 χ²/NDF:3.9/7
+ sign -74.017+/-331.633 χ²/NDF: 25.3/24
All: 57.312+/-225.416 χ²/NDF: 43.5/50
- sign 170.095+/-307.325 χ²/NDF: 17.9/25



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3192.587+/-0.865 χ^2/NDF:321898.8/8

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

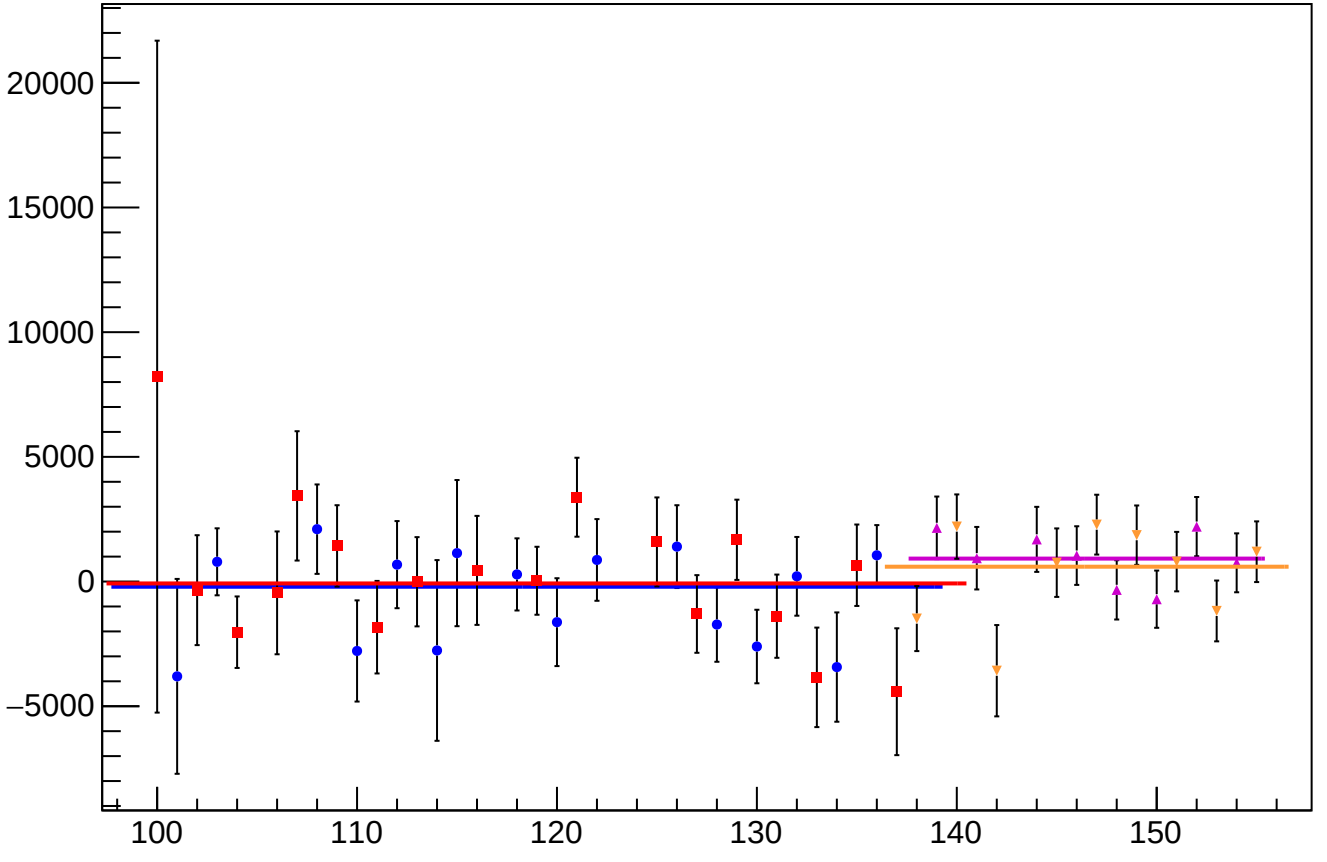
Left In: 3212.552+/-0.871 χ^2/NDF:352412.1/7

+ sign 712.853+/-0.234 χ^2/NDF: 19020099.1/24

All: 673.115+/-0.159 χ^2/NDF: 37852175.9/50

- sign 638.990+/-0.217 χ^2/NDF: 18778701.4/25

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: 595.195+/-427.606 χ^2/NDF:14.8/8

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

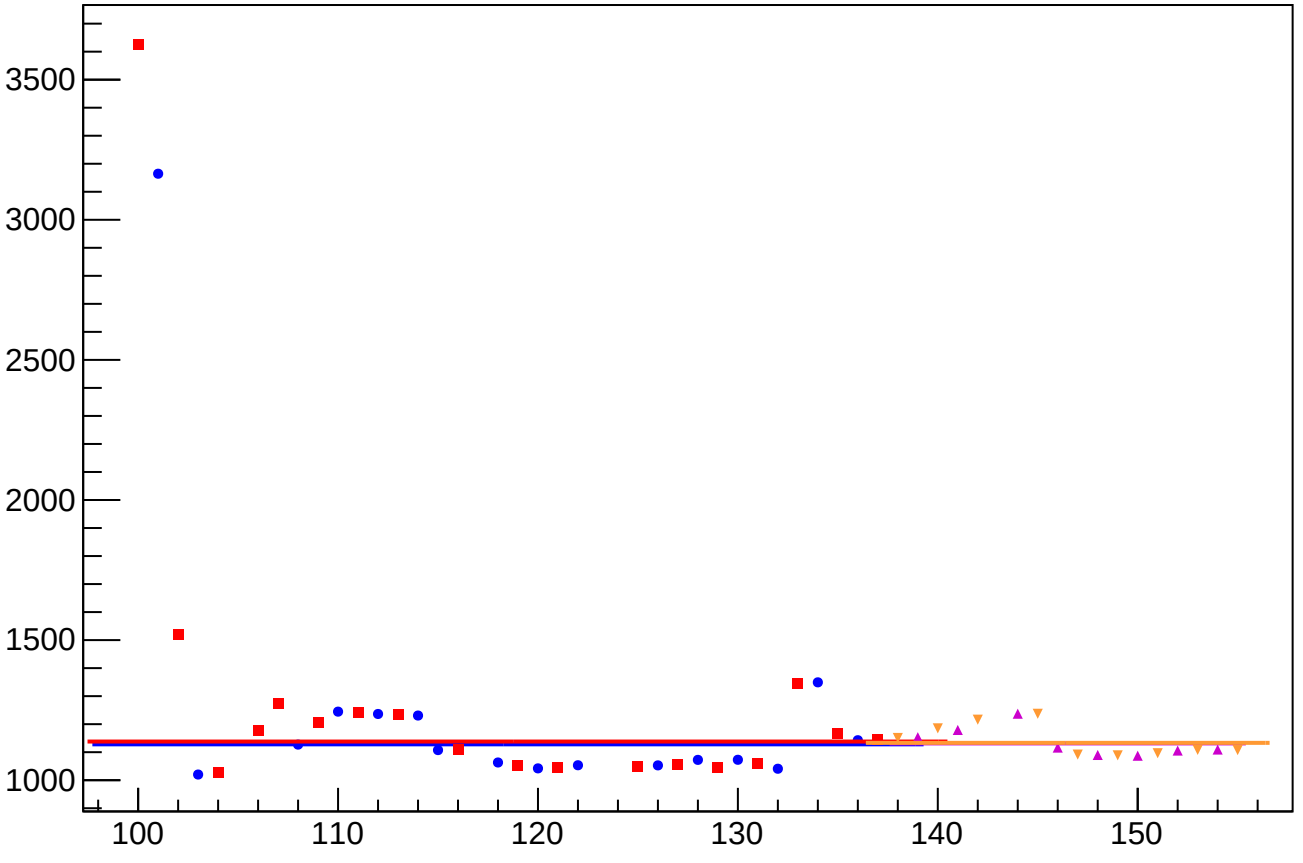
Left In: 920.306+/-427.363 χ^2/NDF:5.6/7

+ sign 194.994+/-302.909 χ^2/NDF: 31.3/24

All: 310.424+/-214.357 χ^2/NDF: 60.6/50

- sign 426.217+/-303.385 χ^2/NDF: 29.0/25

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: 1133.313+/-0.302 χ^2/NDF:27994.7/8

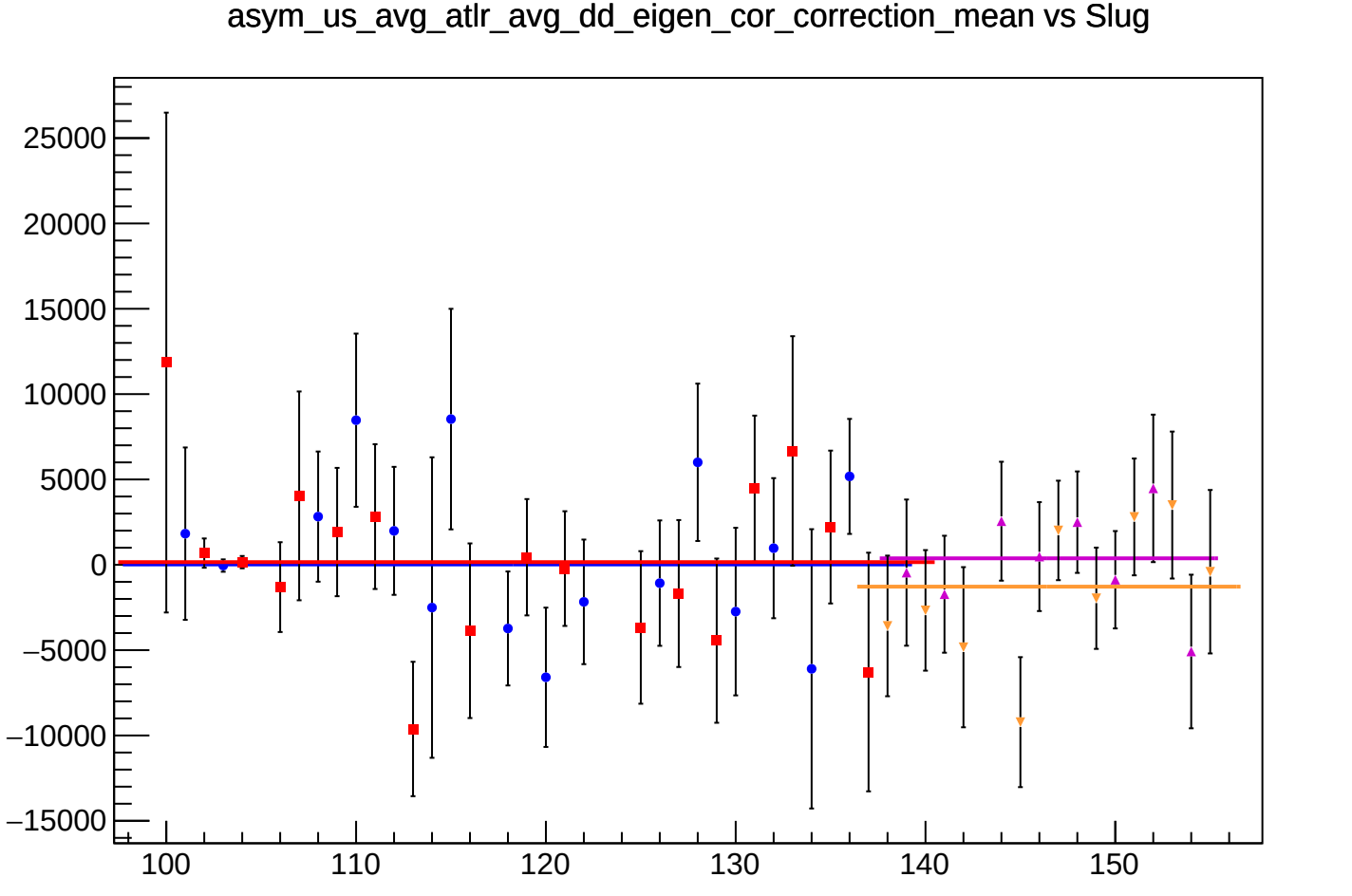
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1131.335+/-0.302 χ^2/NDF:24044.7/7

+ sign 1130.670+/-0.214 χ^2/NDF: 649543.7/24

All: 1132.654+/-0.152 χ^2/NDF: 894626.2/50

- sign 1134.643+/-0.214 χ^2/NDF: 244910.6/25



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1280.883+/-1223.717 χ^2/NDF:9.4/8

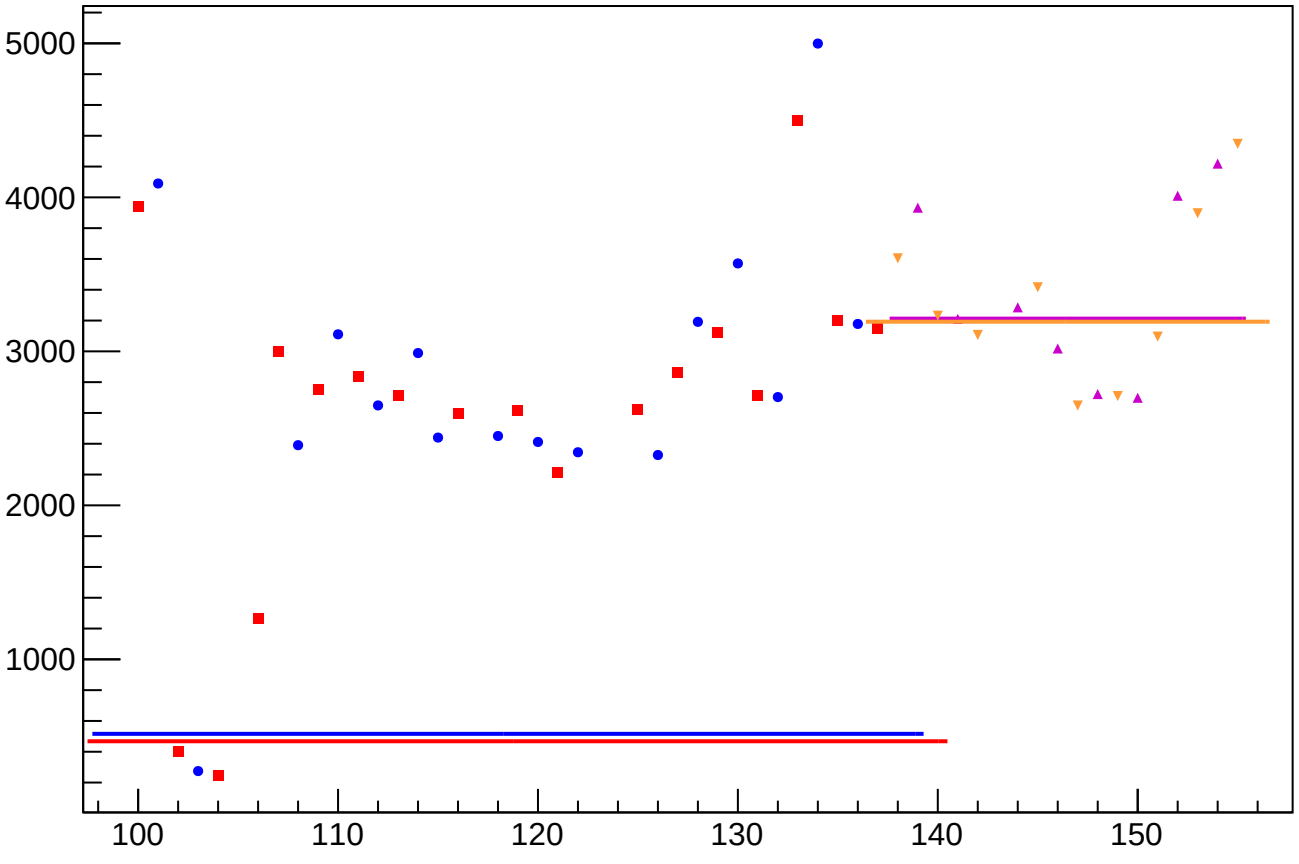
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 378.838+/-1231.460 χ^2/NDF:3.9/7

+ sign -74.017+/-331.633 χ^2/NDF: 25.3/24

All: 57.312+/-225.416 χ^2/NDF: 43.5/50

- sign 170.095+/-307.325 χ^2/NDF: 17.9/25



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3192.587+/-0.865 χ^2/NDF:321898.8/8

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

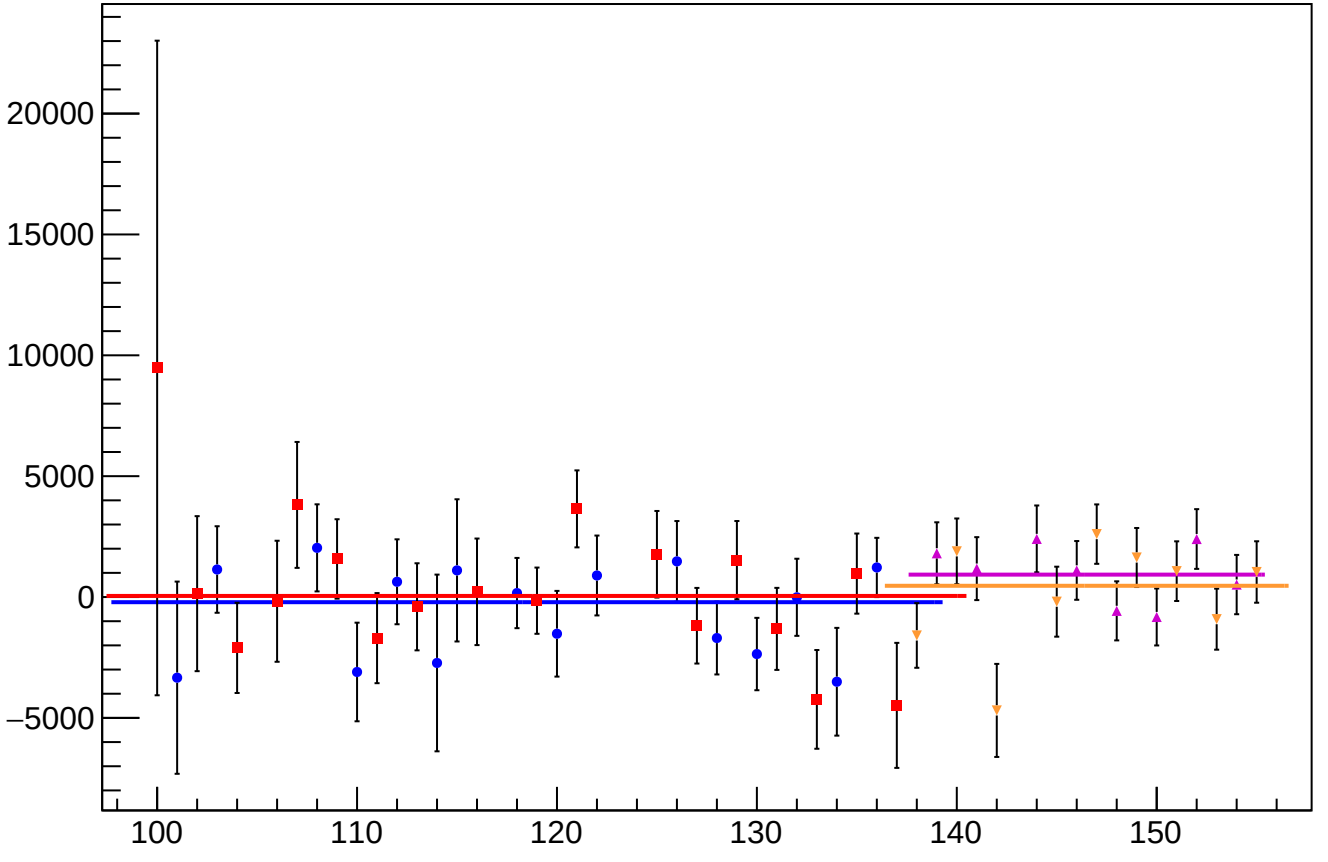
Left In: 3212.552+/-0.871 χ^2/NDF:352412.1/7

+ sign 712.853+/-0.234 χ^2/NDF: 19020099.1/24

All: 673.115+/-0.159 χ^2/NDF: 37852175.9/50

- sign 638.990+/-0.217 χ^2/NDF: 18778701.4/25

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 465.589+/-443.579 χ^2/NDF:16.4/8

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

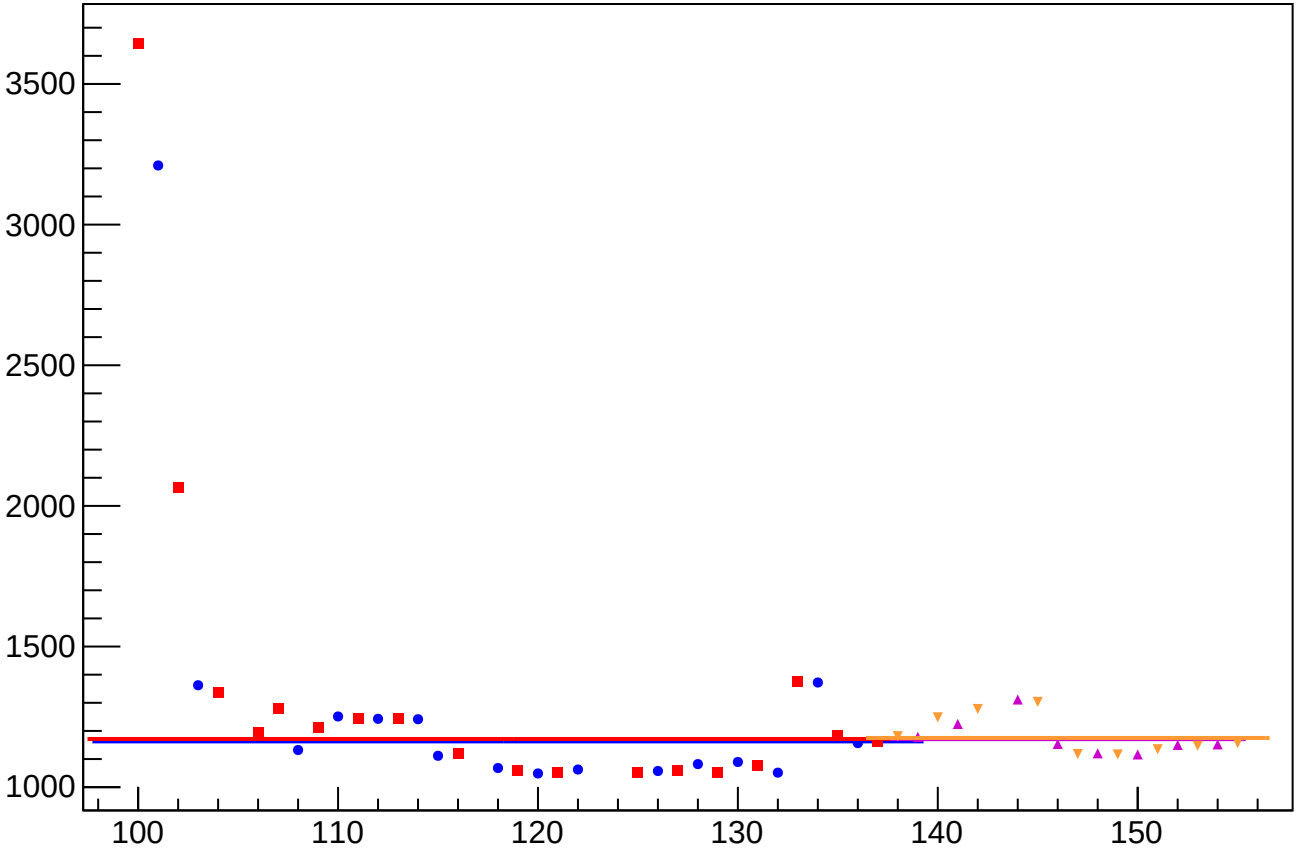
Left In: 927.231+/-442.477 χ^2/NDF:6.9/7

+ sign 125.569+/-313.341 χ^2/NDF: 31.9/24

All: 307.628+/-221.989 χ^2/NDF: 63.1/50

- sign 491.084+/-314.542 χ^2/NDF: 30.5/25

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1174.993+/-0.314 χ^2/NDF:39687.3/8

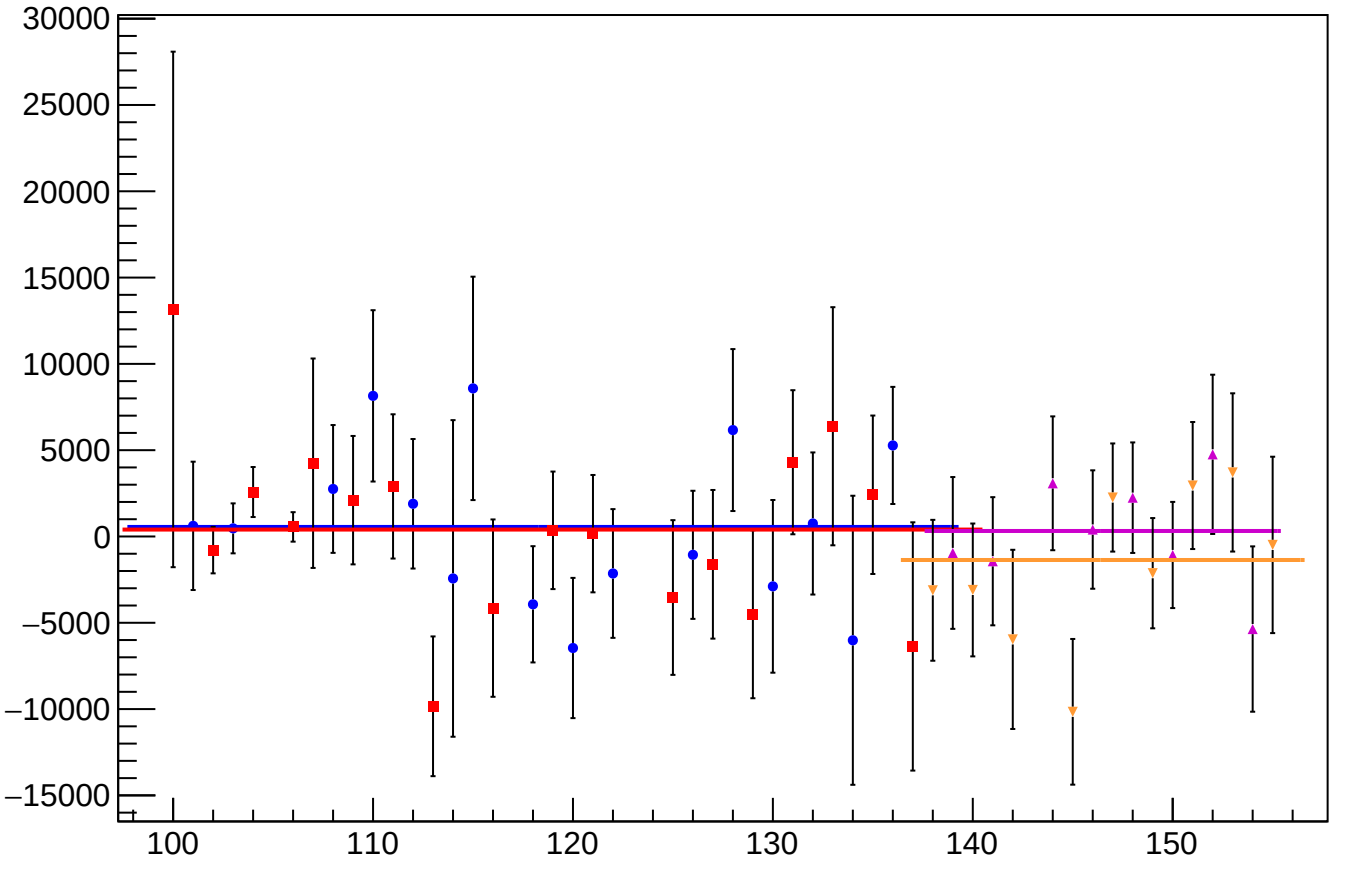
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1170.818+/-0.313 χ^2/NDF:33386.2/7

+ sign 1168.910+/-0.222 χ^2/NDF: 675791.5/24

All: 1170.009+/-0.157 χ^2/NDF: 1040869.7/50

- sign 1171.116+/-0.222 χ^2/NDF: 365028.8/25



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -1362.119+/-1312.562 χ^2/NDF:9.5/8

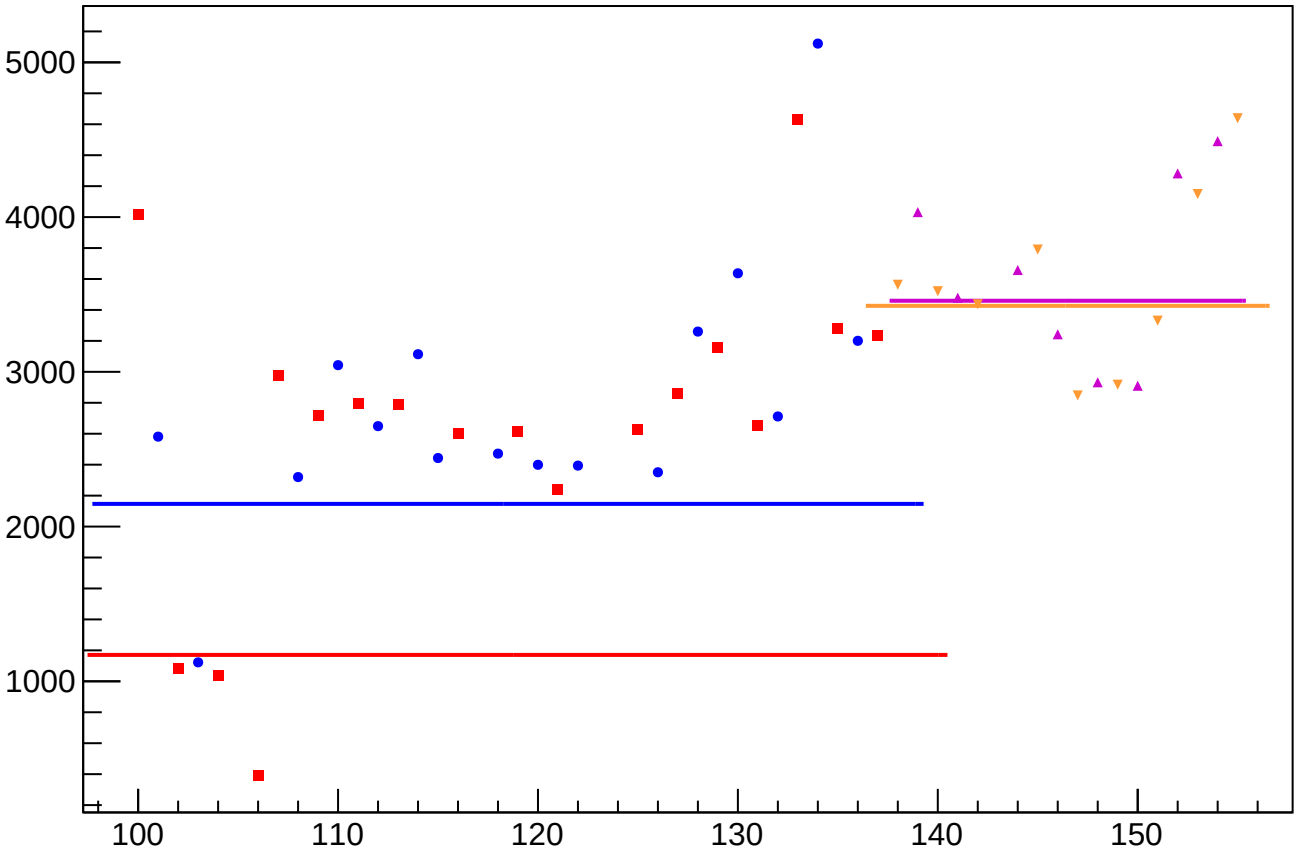
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 318.625+/-1324.995 χ^2/NDF:3.7/7

\+ sign -35.750+/-727.552 χ^2/NDF: 25.4/24

All: 244.455+/-423.268 χ^2/NDF: 46.0/50

\- sign 387.813+/-520.399 χ^2/NDF: 20.4/25



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3426.699+/-0.928 χ^2/NDF:301183.3/8

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

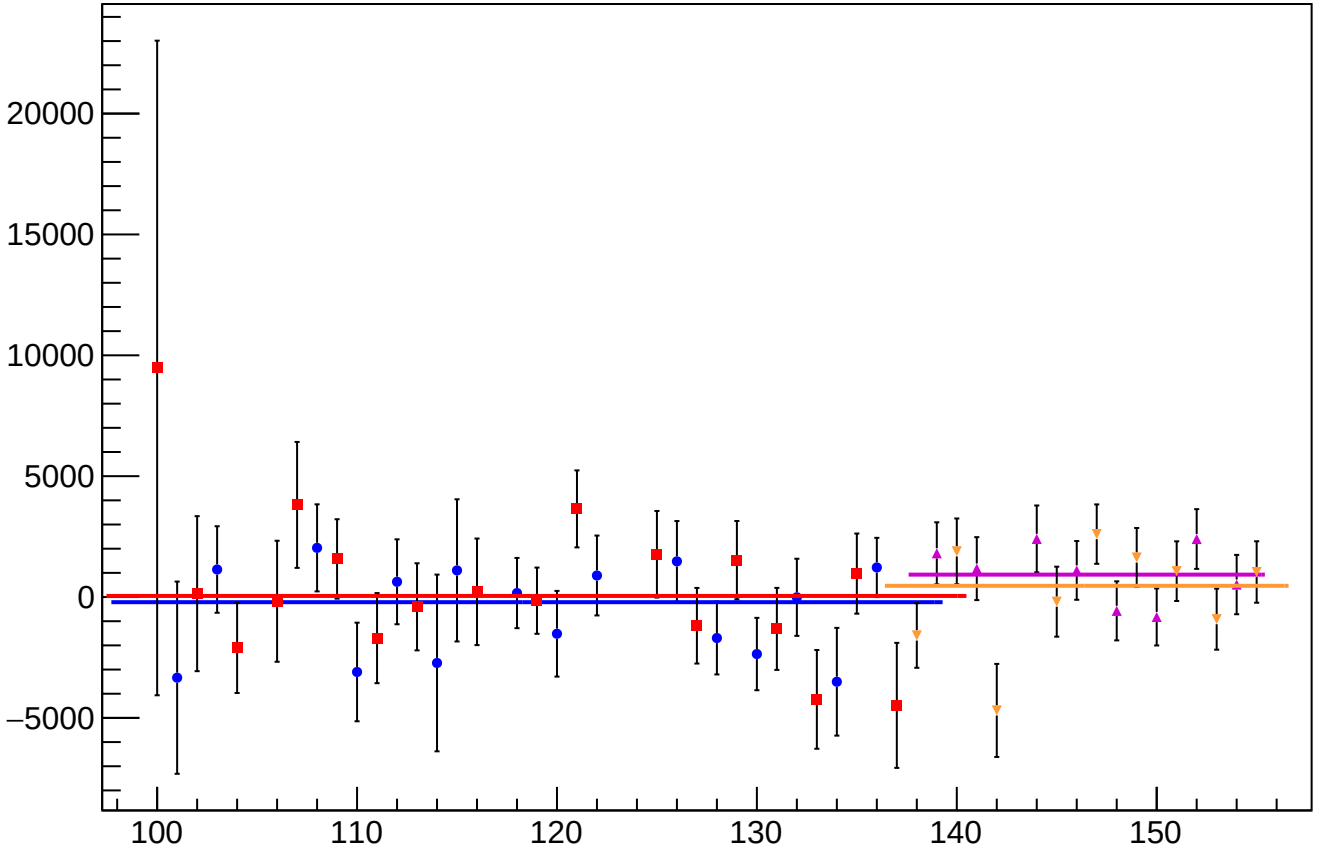
Left In: 3459.515+/-0.937 χ^2/NDF:321603.8/7

+ sign 2539.918+/-0.514 χ^2/NDF: 3593691.5/24

All: 1867.619+/-0.299 χ^2/NDF: 17362145.9/5

- sign 1523.659+/-0.368 χ^2/NDF: 11186969.3/25

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: 465.584+/-443.579 χ^2/NDF:16.4/8

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

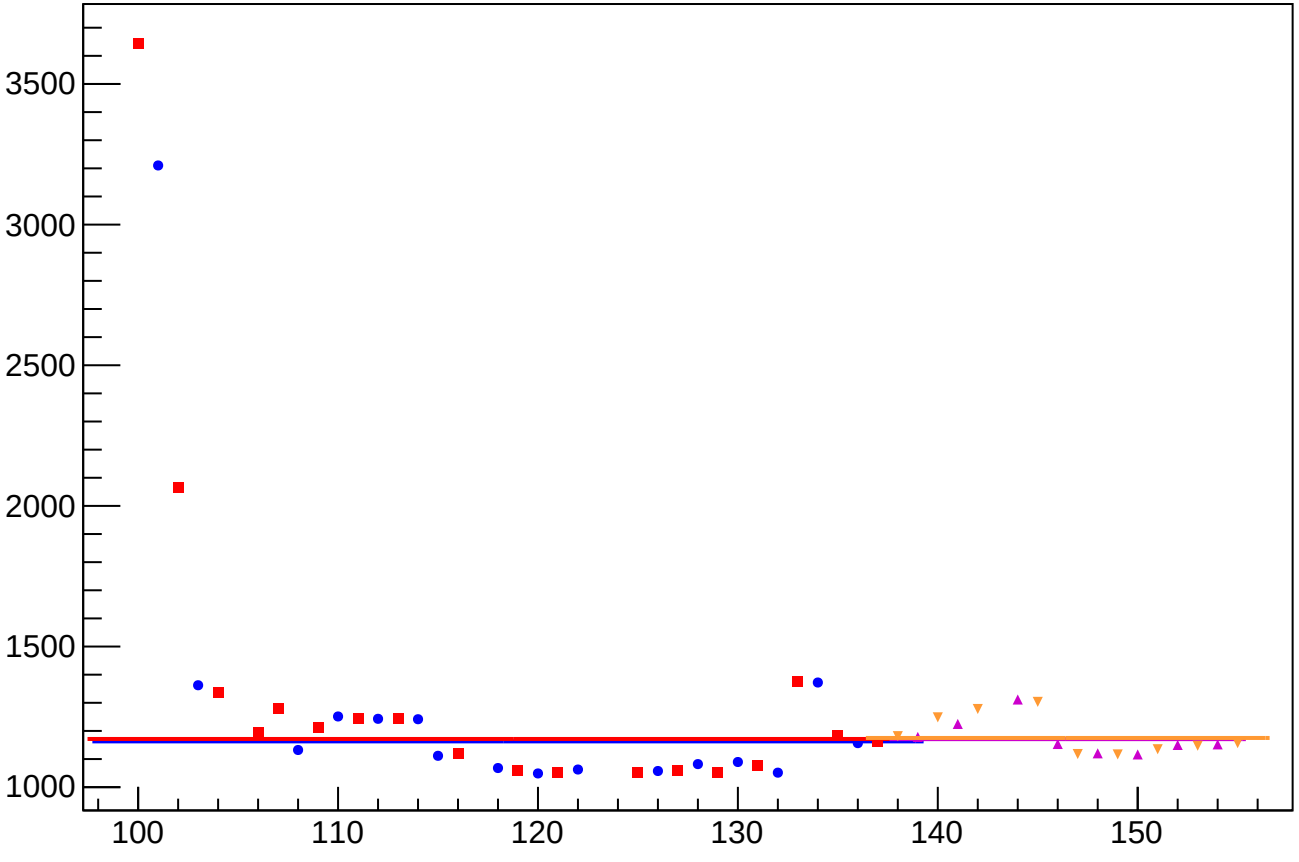
Left In: 927.228+/-442.477 χ^2/NDF:6.9/7

+ sign 125.566+/-313.341 χ^2/NDF: 31.9/24

All: 307.626+/-221.989 χ^2/NDF: 63.1/50

- sign 491.084+/-314.542 χ^2/NDF: 30.5/25

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: 1174.994+/-0.314 χ^2/NDF:39687.8/8

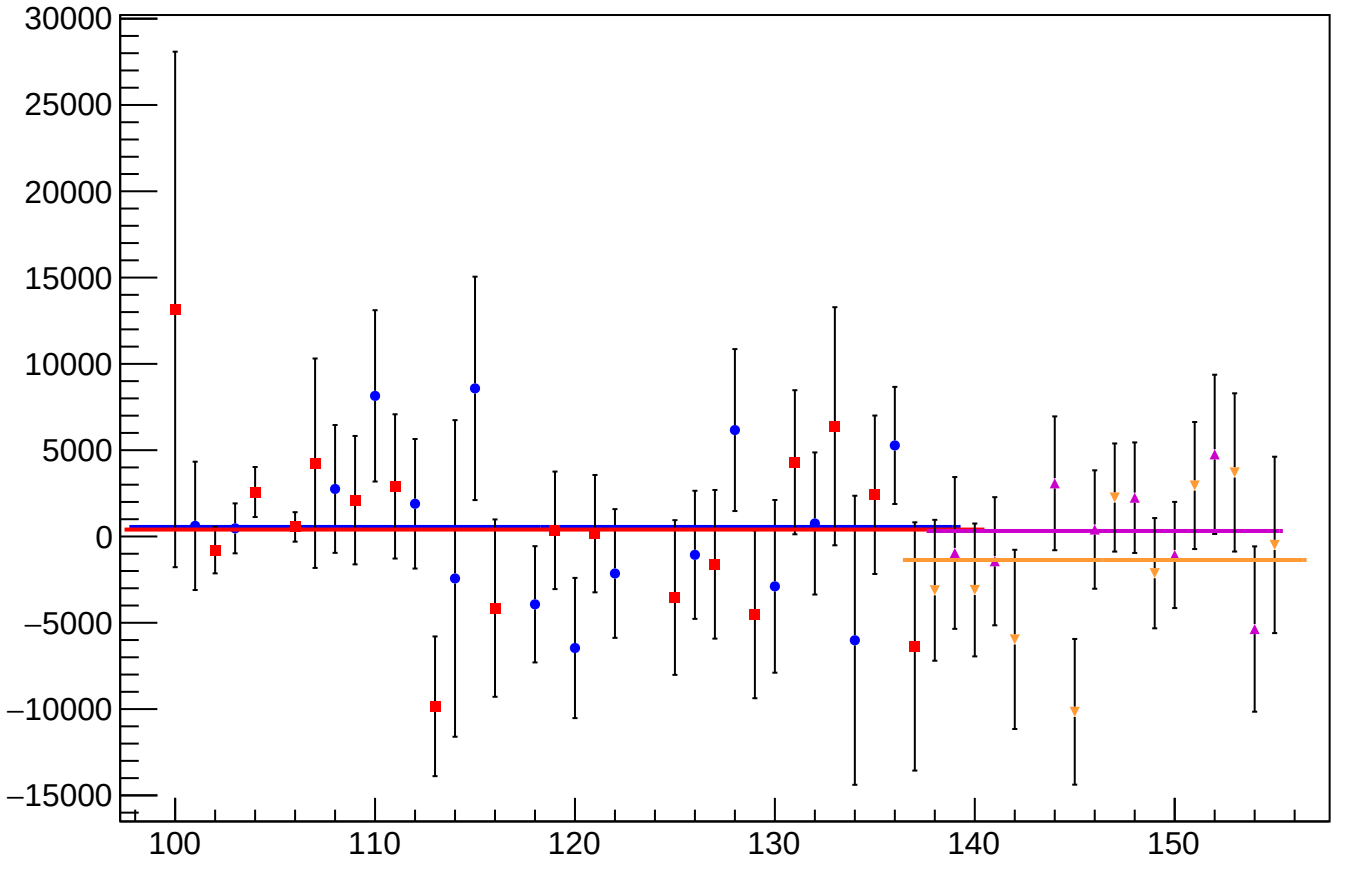
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1170.819+/-0.313 χ^2/NDF:33386.4/7

+ sign 1168.910+/-0.222 χ^2/NDF: 675792.2/24

All: 1170.009+/-0.157 χ^2/NDF: 1040870.2/50

- sign 1171.117+/-0.222 χ^2/NDF: 365028.7/25



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -1362.121+/-1312.564 χ^2/NDF:9.5/8

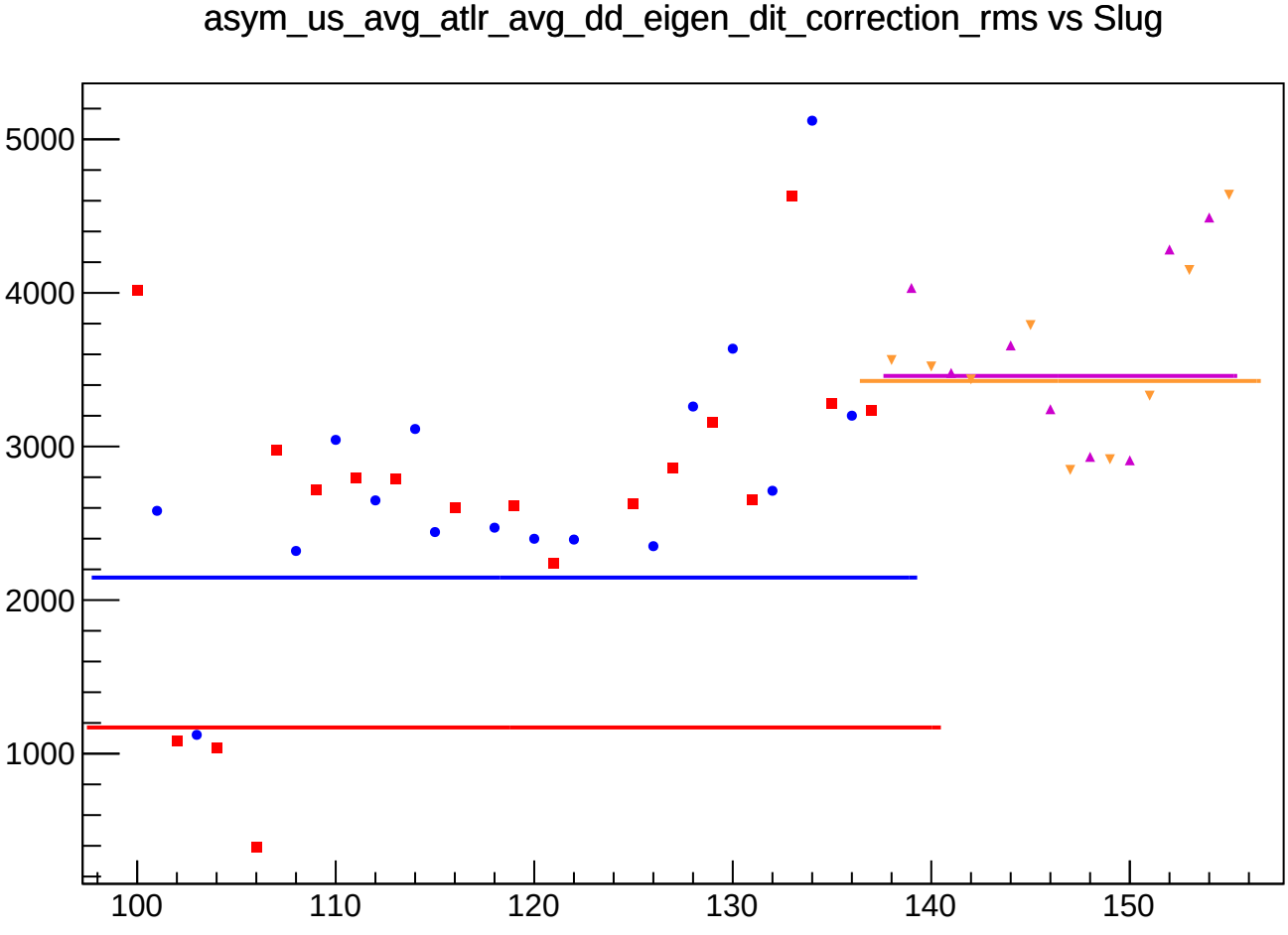
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 318.622+/-1324.996 χ^2/NDF:3.7/7

\+ sign -35.753+/-727.551 χ^2/NDF: 25.4/24

All: 244.456+/-423.265 χ^2/NDF: 46.0/50

\- sign 387.814+/-520.394 χ^2/NDF: 20.4/25



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3426.702+/-0.928 χ^2/NDF:301184.0/8

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

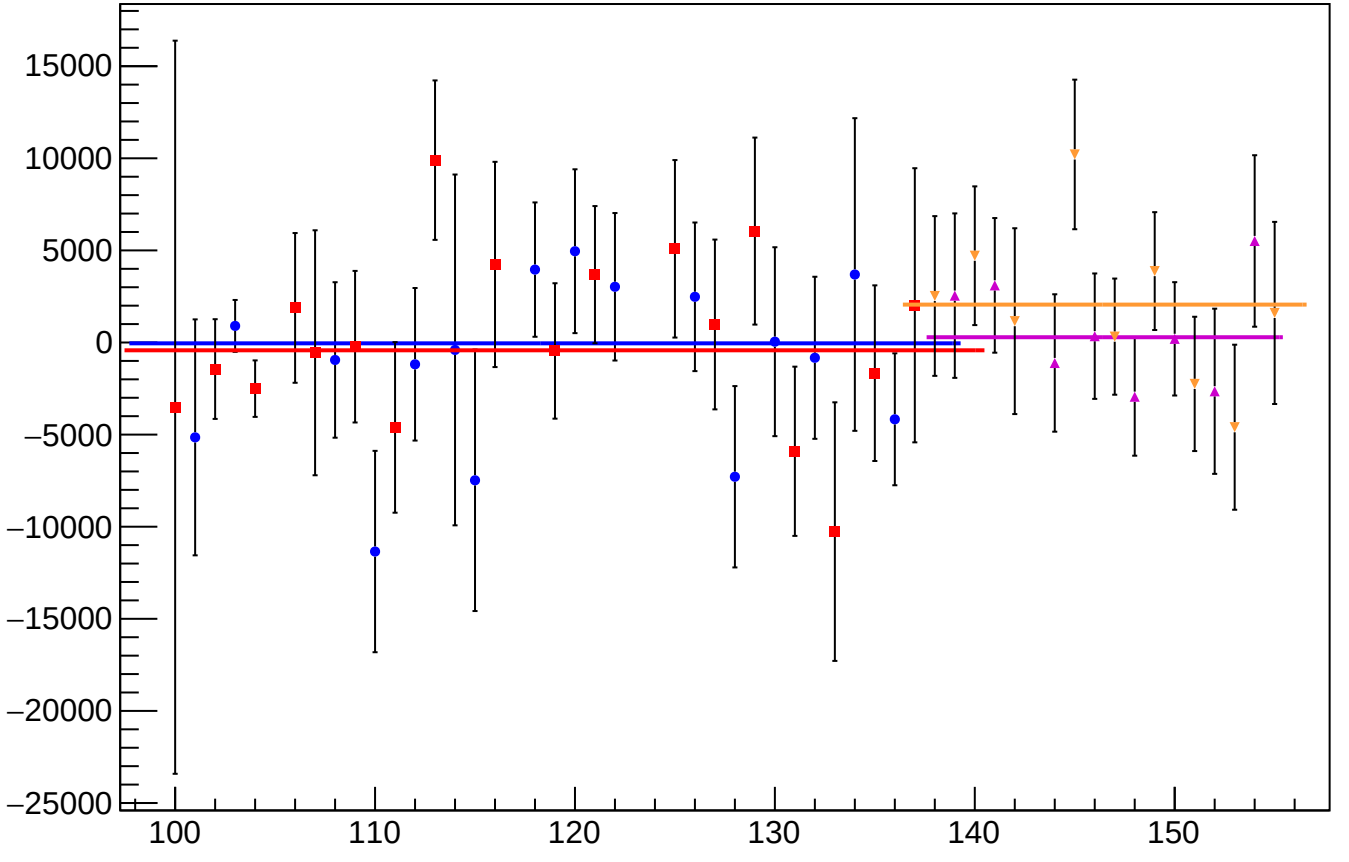
Left In: 3459.519+/-0.937 χ^2/NDF:321604.2/7

+ sign 2539.916+/-0.514 χ^2/NDF: 3593700.8/24

All: 1867.596+/-0.299 χ^2/NDF: 17362553.6/5

- sign 1523.632+/-0.368 χ^2/NDF: 11187223.9/25

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 2057.343+/-1304.096 χ^2/NDF:8.8/8

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

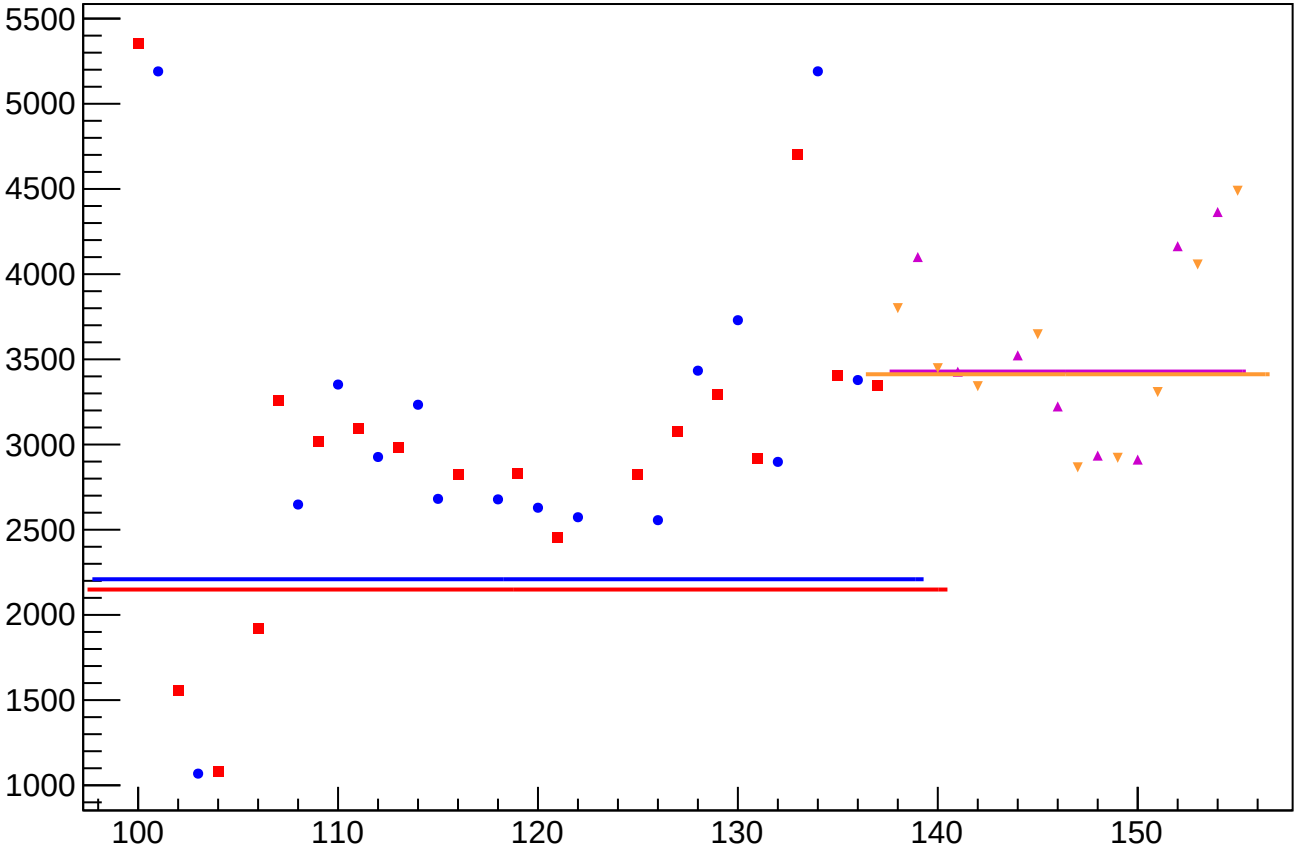
Left In: 286.446+/-1310.536 χ^2/NDF:3.7/7

+ sign 654.447+/-752.158 χ^2/NDF: 24.3/24

All: 221.782+/-527.530 χ^2/NDF: 46.2/50

- sign -197.087+/-740.068 χ^2/NDF: 21.2/25

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3412.494+/-0.922 χ^2/NDF:268253.7/8

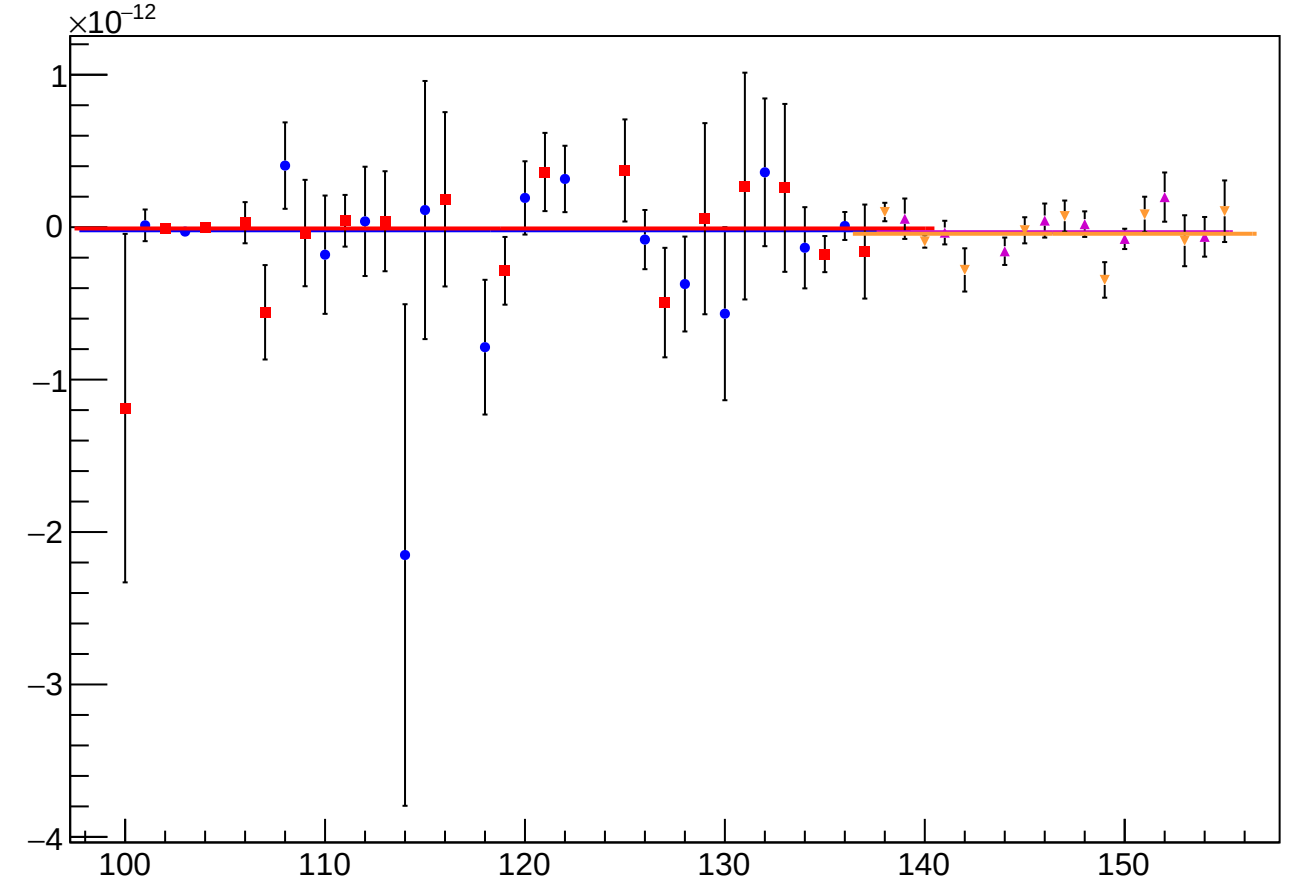
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3428.336+/-0.927 χ^2/NDF:292528.6/7

+ sign 2609.584+/-0.532 χ^2/NDF: 4241173.4/24

All: 2582.114+/-0.373 χ^2/NDF: 8108814.8/50

- sign 2555.607+/-0.522 χ^2/NDF: 3862399.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/8

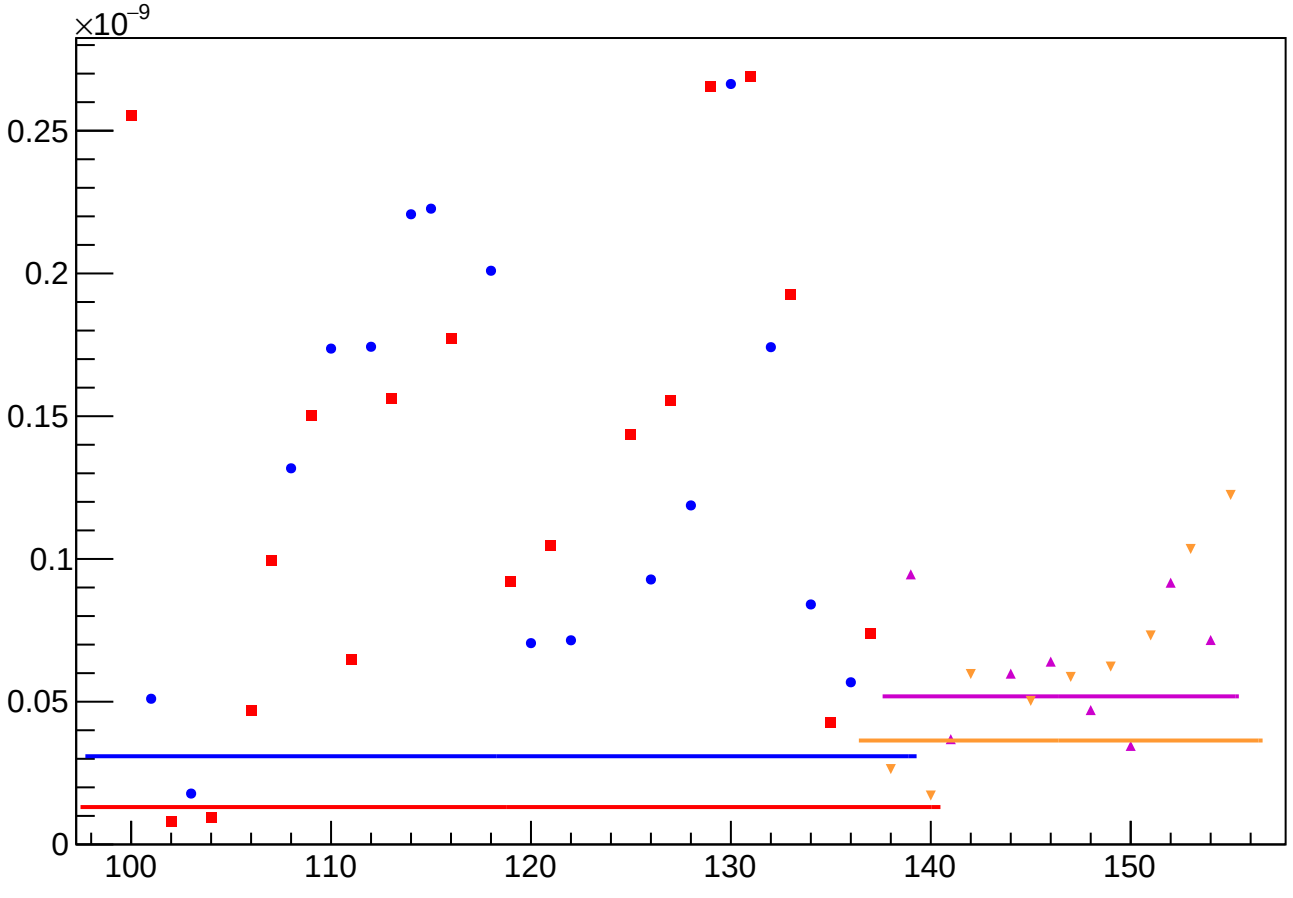
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:5.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 33.9/24

All: -0.000+/-0.000 χ^2/NDF: 54.7/50

- sign -0.000+/-0.000 χ^2/NDF: 20.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1685427.0/8

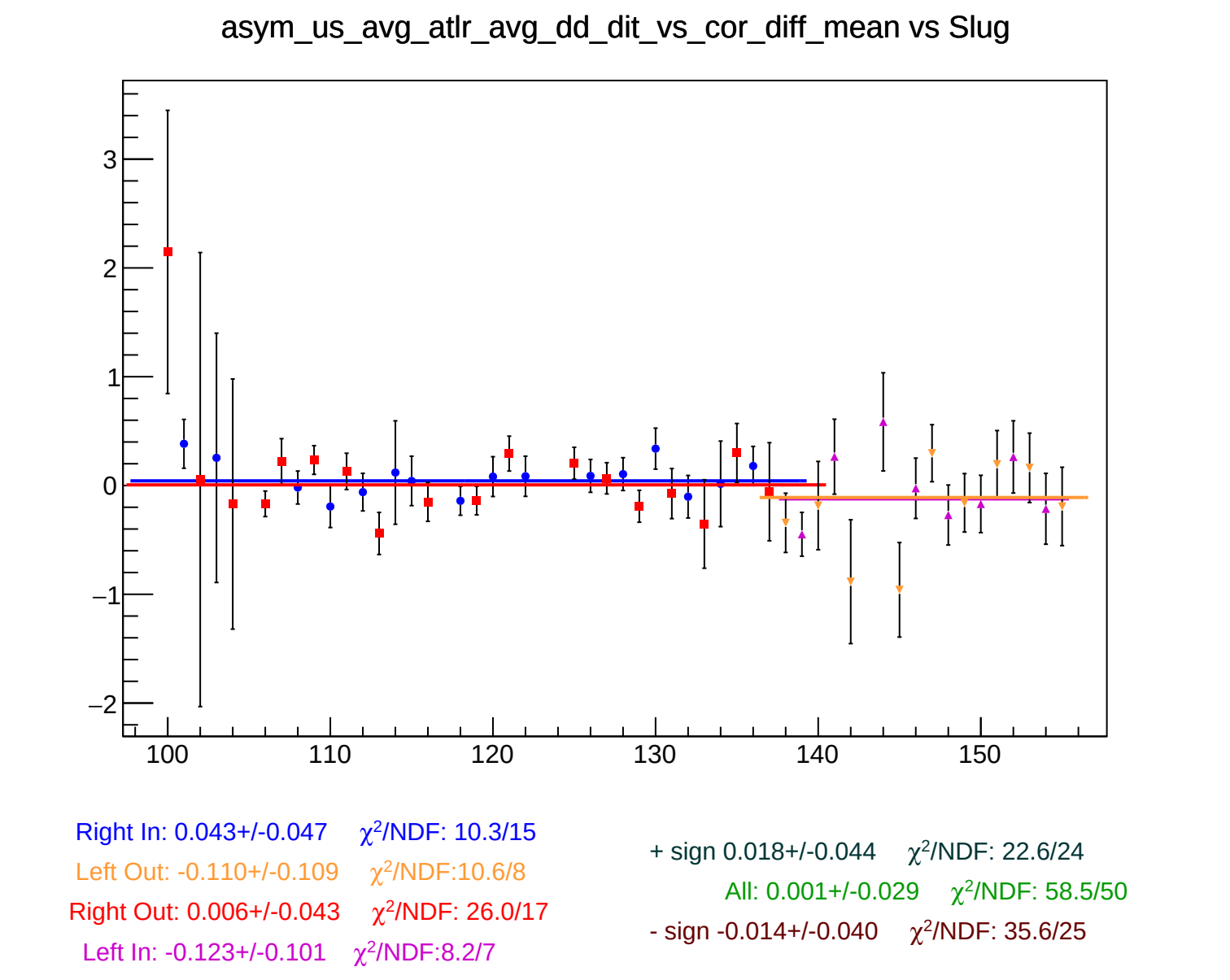
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:631995.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 4727876.8/24

All: 0.000+/-0.000 χ^2/NDF: 11997695.8/50

- sign 0.000+/-0.000 χ^2/NDF: 6530940.0/25


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
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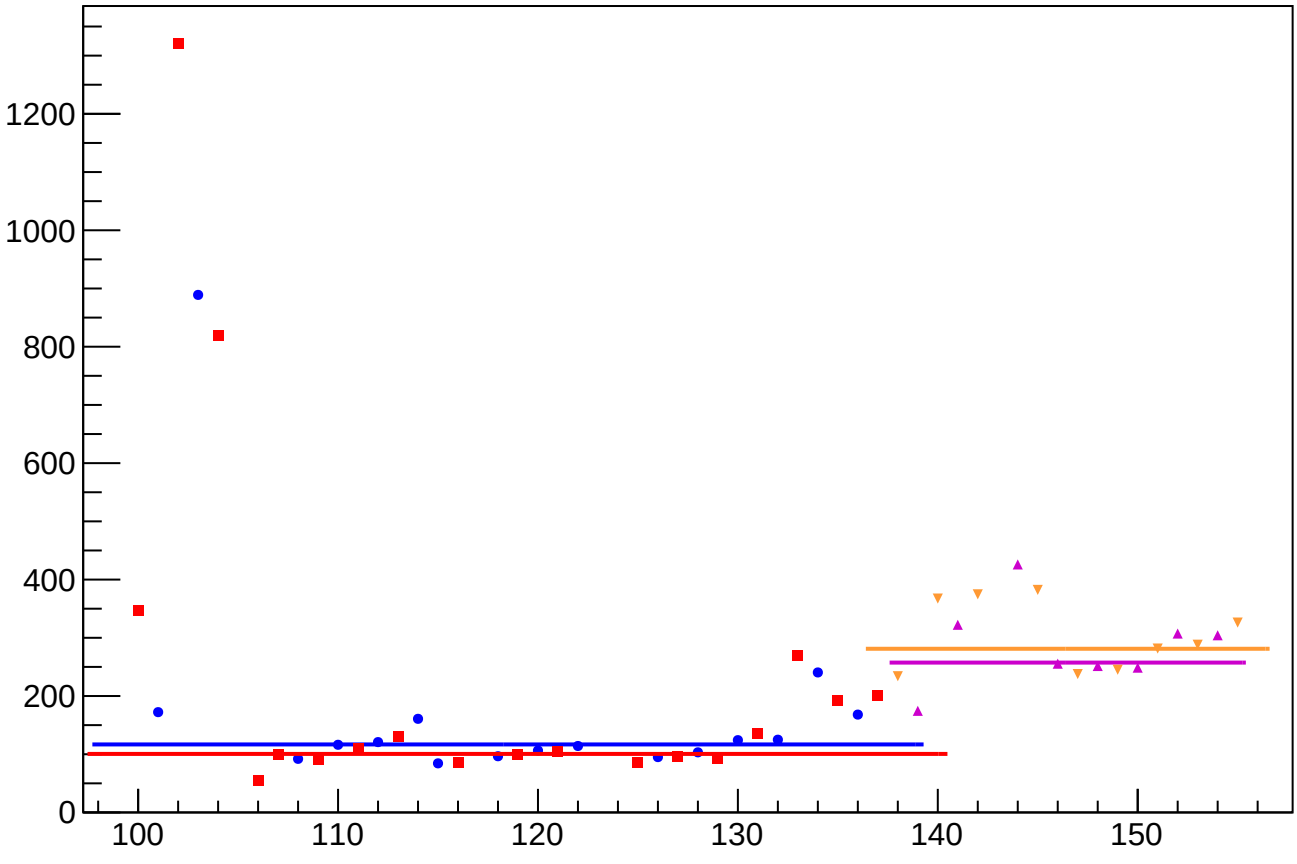
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.110+/-0.109 χ²/NDF:10.6/8
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.123+/-0.101 χ²/NDF:8.2/7
+ sign 0.018+/-0.044 χ²/NDF: 22.6/24
All: 0.001+/-0.029 χ²/NDF: 58.5/50
- sign -0.014+/-0.040 χ²/NDF: 35.6/25



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 281.165+/-0.077 χ^2/NDF:435814.4/8

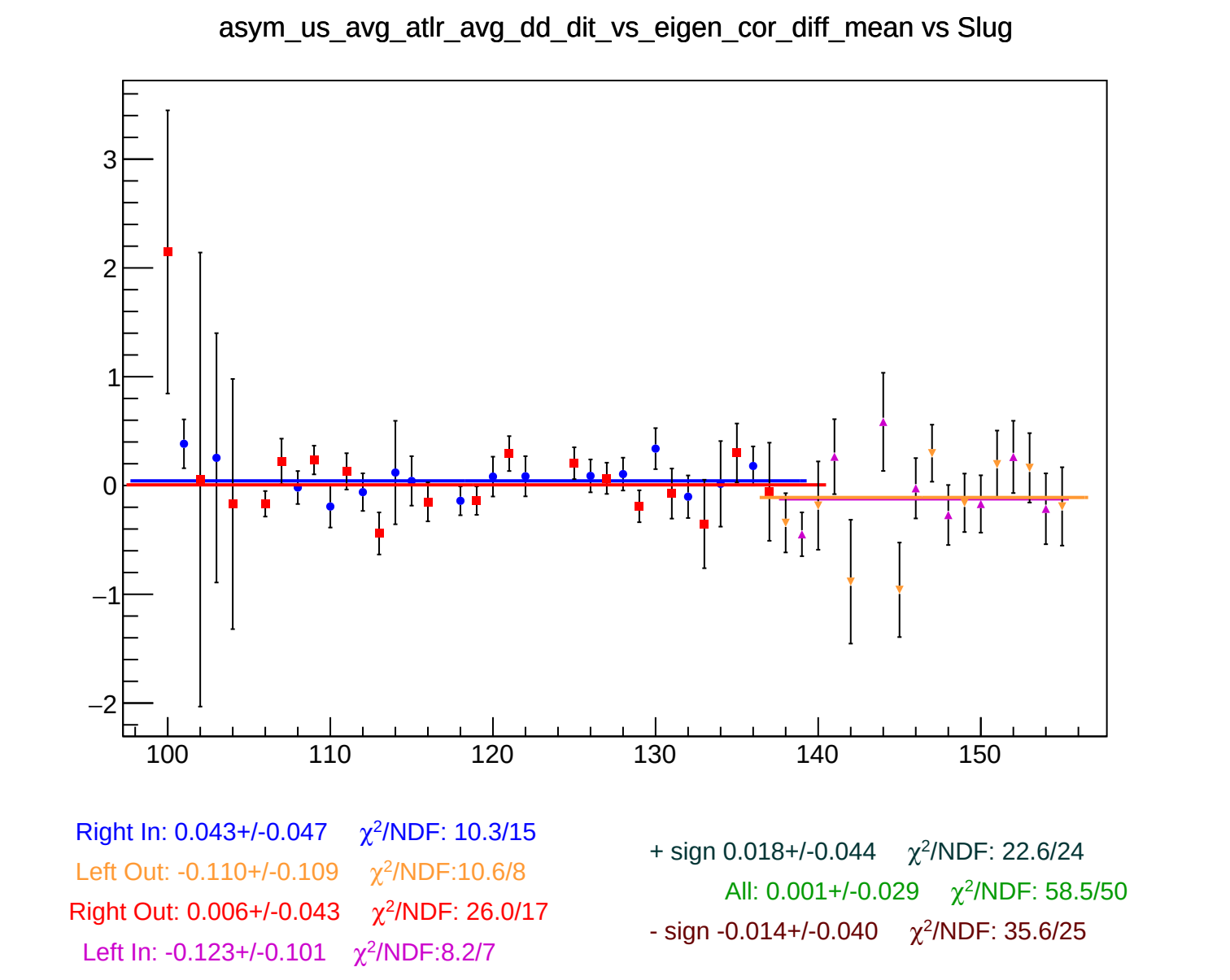
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 257.419+/-0.072 χ^2/NDF:779200.2/7

+ sign 143.086+/-0.031 χ^2/NDF: 5885061.3/24

All: 133.139+/-0.021 χ^2/NDF: 13561163.6/50

- sign 124.778+/-0.028 χ^2/NDF: 7483703.0/25


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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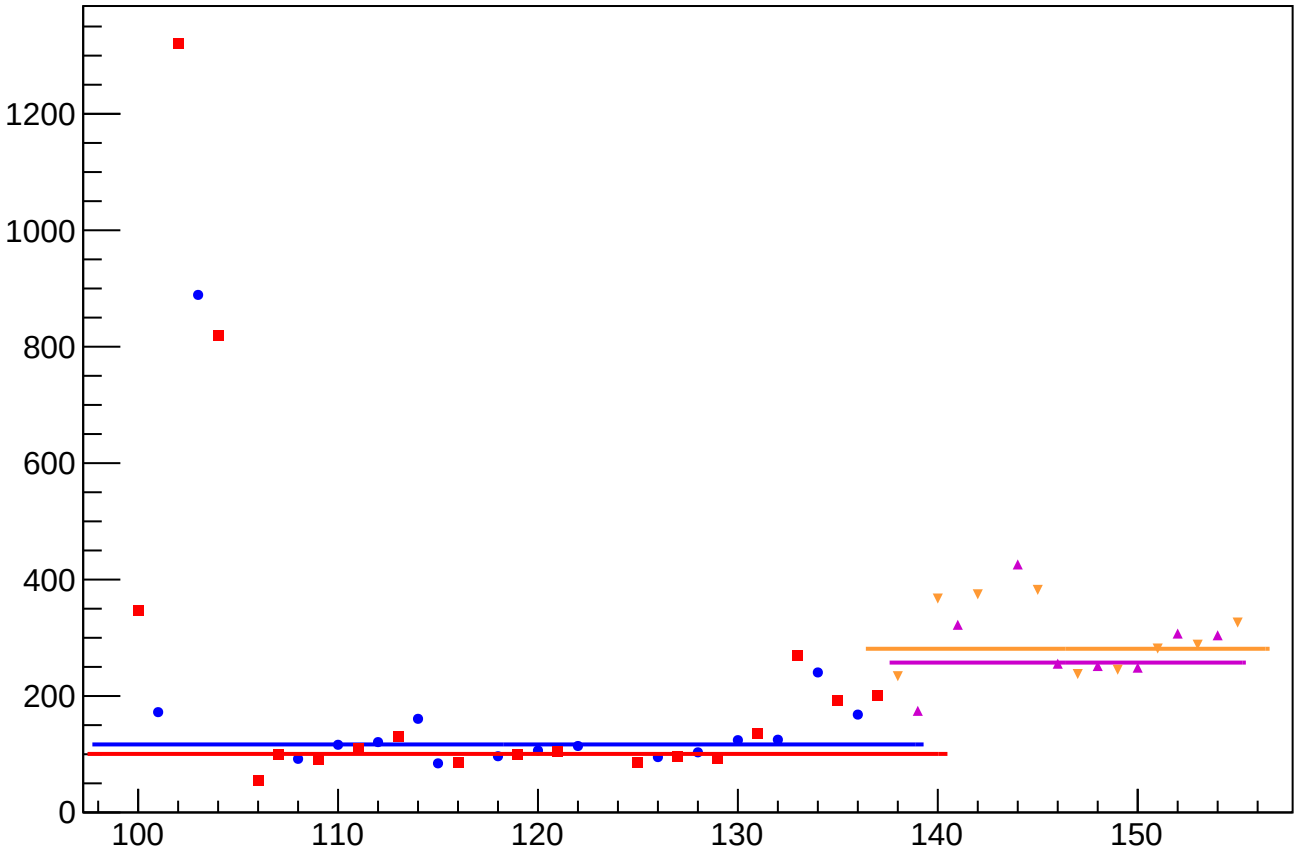
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.110+/-0.109 χ²/NDF:10.6/8
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.123+/-0.101 χ²/NDF:8.2/7
+ sign 0.018+/-0.044 χ²/NDF: 22.6/24
All: 0.001+/-0.029 χ²/NDF: 58.5/50
- sign -0.014+/-0.040 χ²/NDF: 35.6/25



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 281.165+/-0.077 χ^2/NDF:435814.4/8

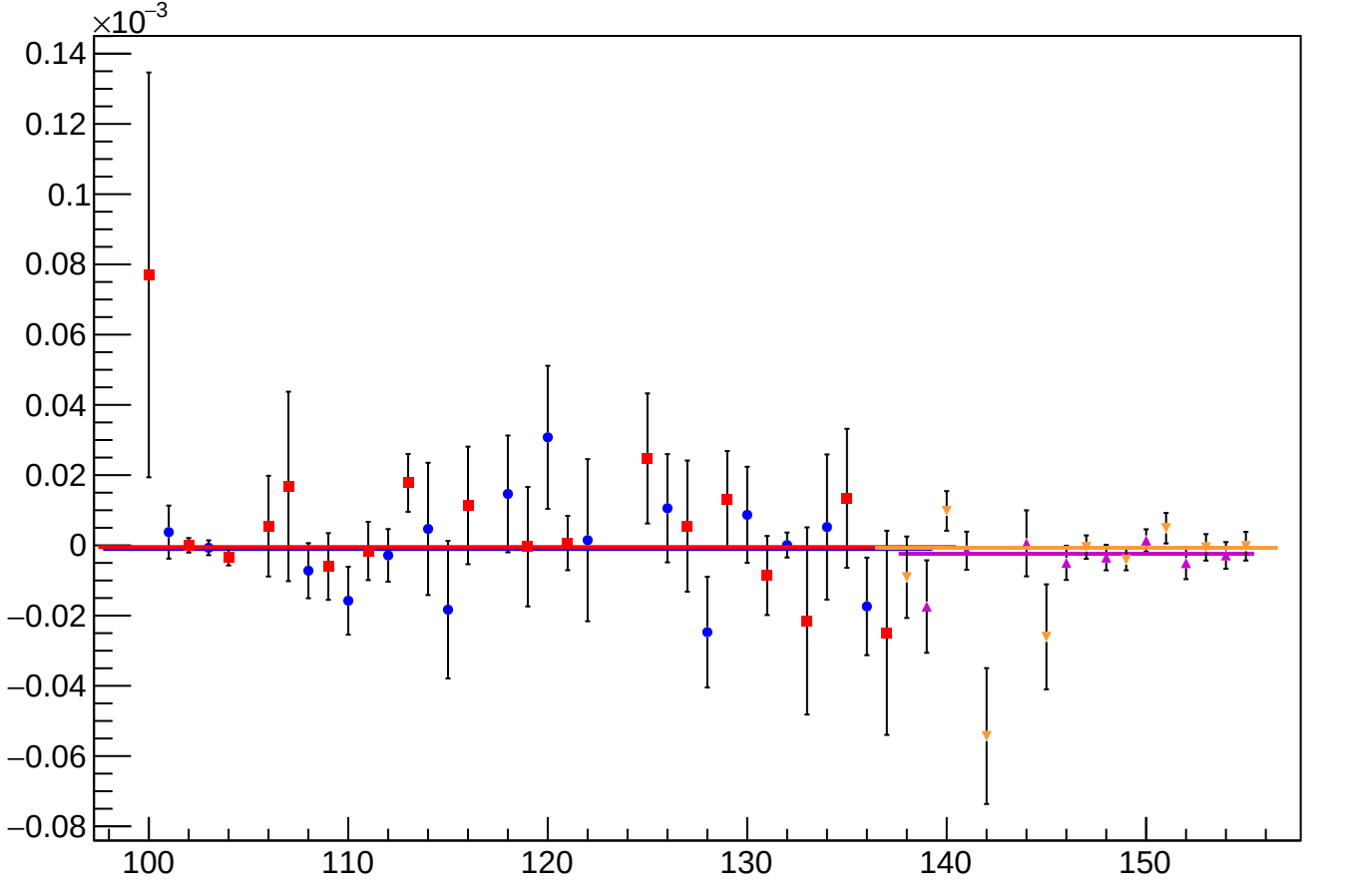
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 257.419+/-0.072 χ^2/NDF:779200.2/7

+ sign 143.086+/-0.031 χ^2/NDF: 5885061.3/24

All: 133.139+/-0.021 χ^2/NDF: 13561163.6/50

- sign 124.778+/-0.028 χ^2/NDF: 7483703.0/25



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/8

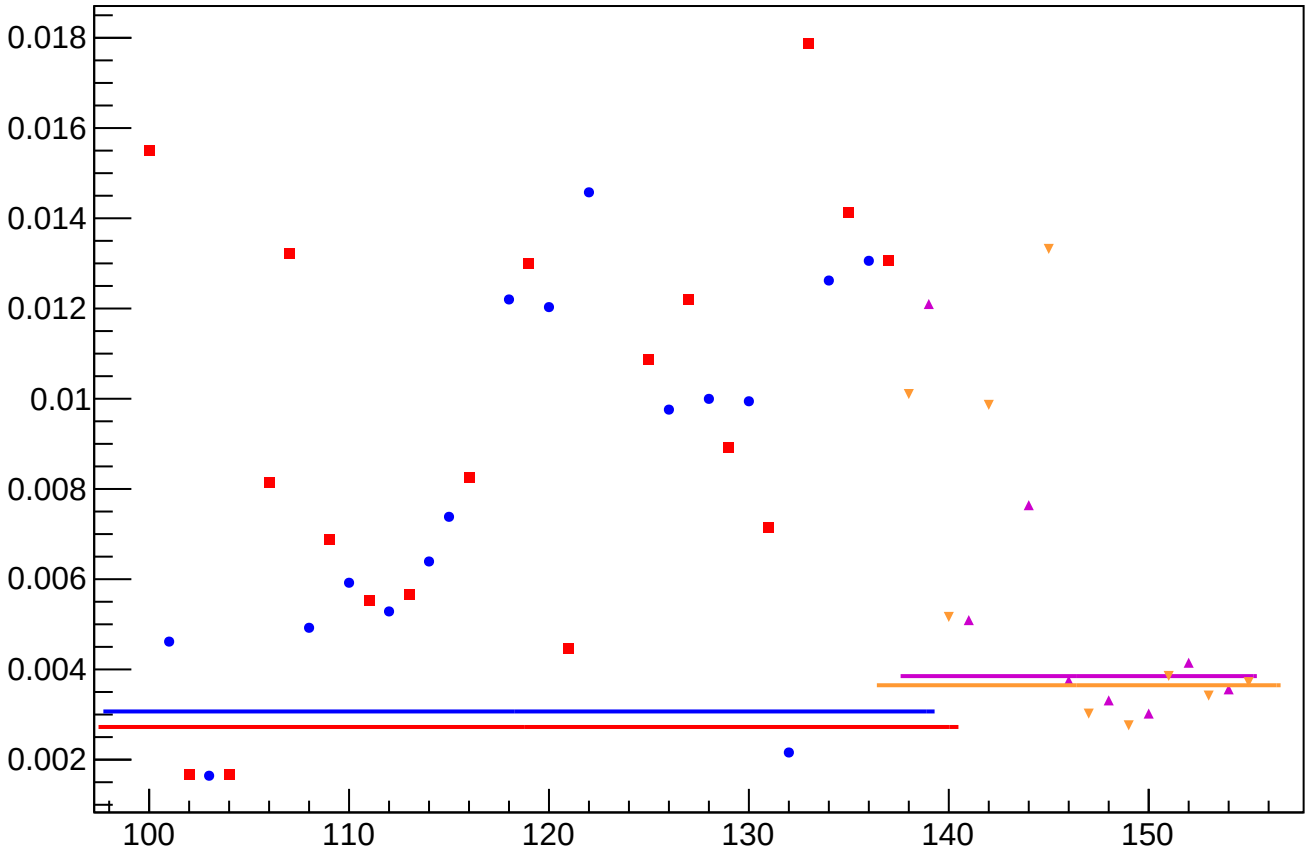
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:3.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/24

All: -0.000+/-0.000 χ^2/NDF: 49.5/50

- sign -0.000+/-0.000 χ^2/NDF: 19.4/25



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2063817.7/8

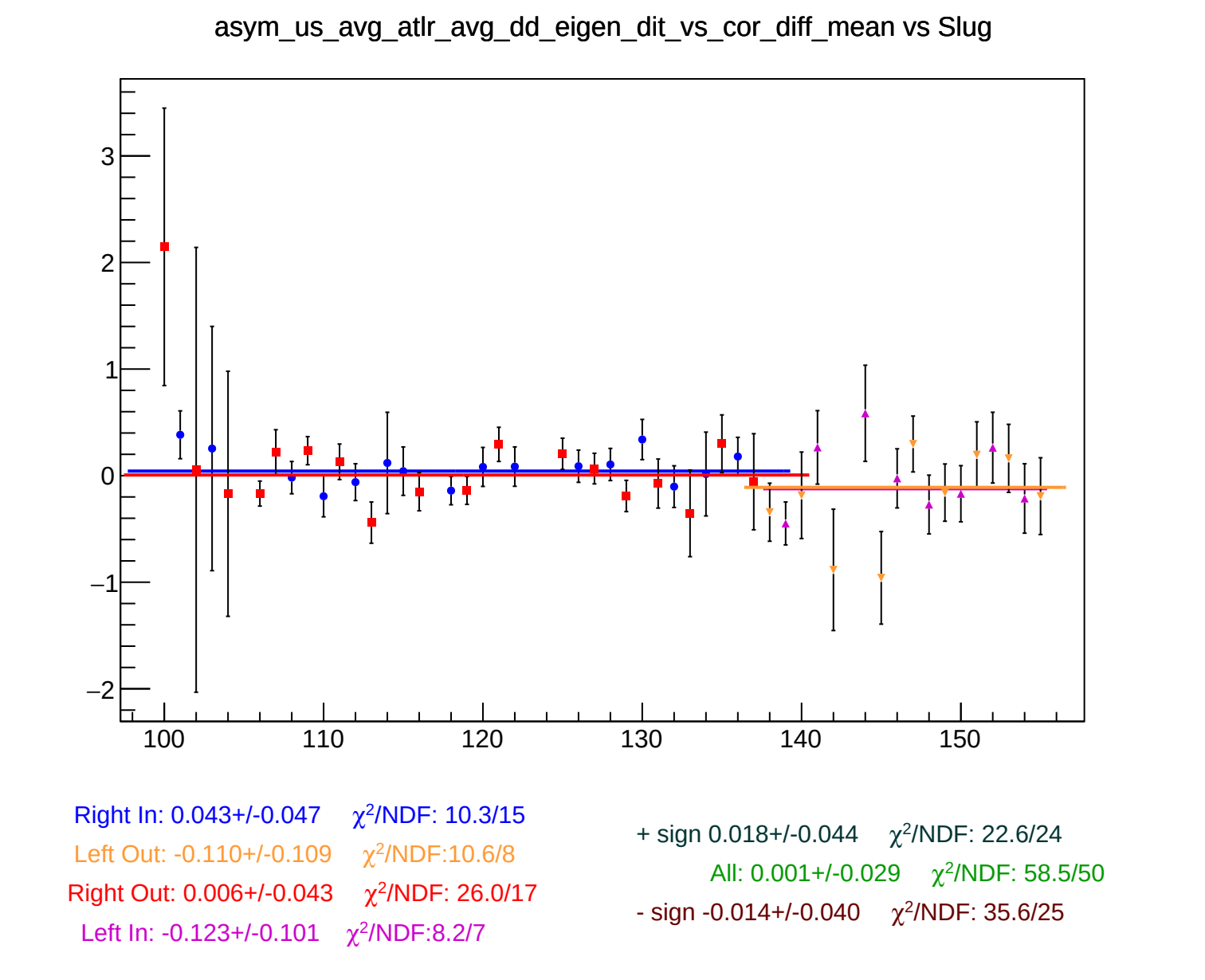
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1414666.8/7

+ sign 0.003+/-0.000 χ^2/NDF: 8167881.2/24

All: 0.003+/-0.000 χ^2/NDF: 16877563.9/50

- sign 0.003+/-0.000 χ^2/NDF: 8687121.9/25


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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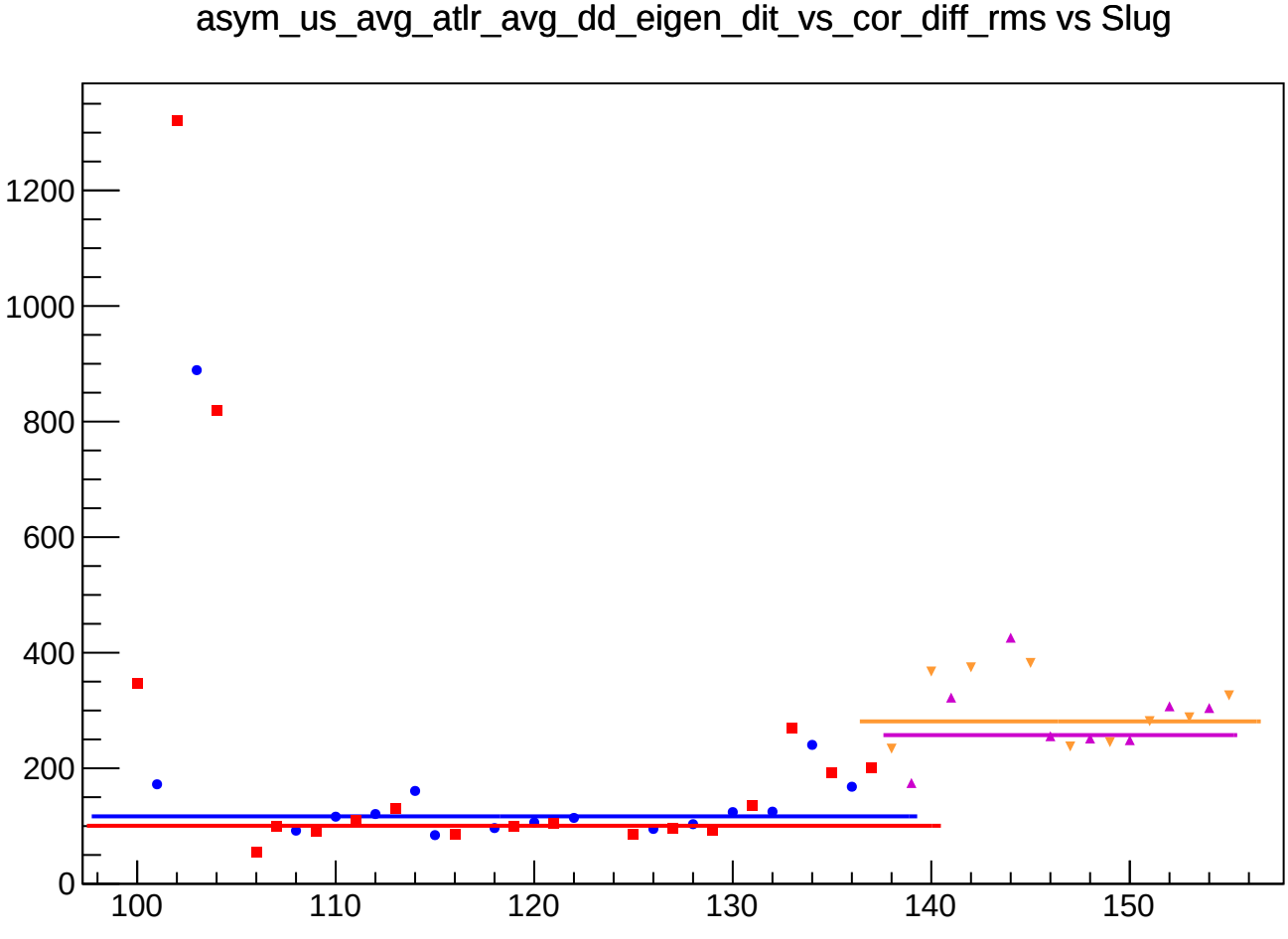
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.110+/-0.109 χ²/NDF:10.6/8
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.123+/-0.101 χ²/NDF:8.2/7
+ sign 0.018+/-0.044 χ²/NDF: 22.6/24
All: 0.001+/-0.029 χ²/NDF: 58.5/50
- sign -0.014+/-0.040 χ²/NDF: 35.6/25



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 281.167+/-0.077 χ^2/NDF:435815.7/8

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

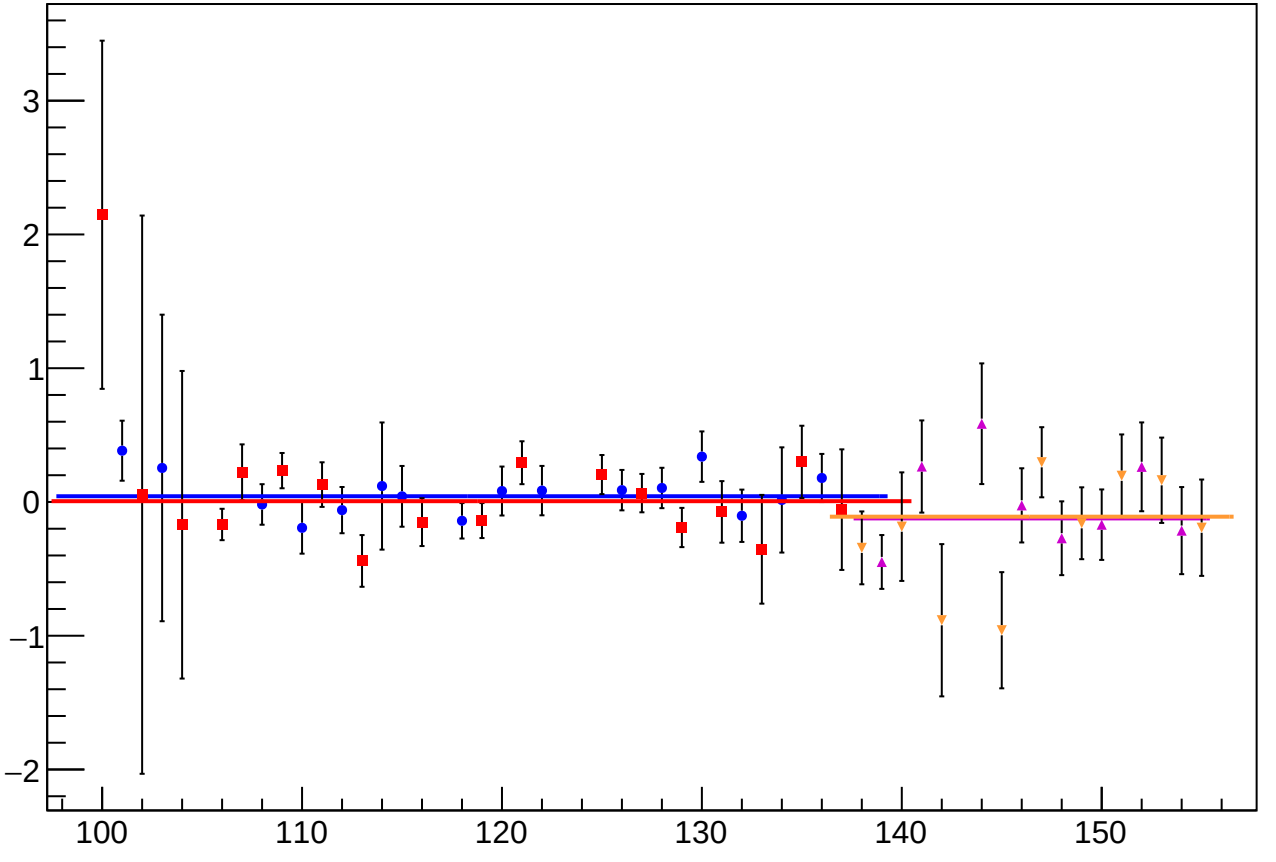
Left In: 257.423+/-0.072 χ^2/NDF:779162.7/7

+ sign 143.086+/-0.031 χ^2/NDF: 5885128.7/24

All: 133.138+/-0.021 χ^2/NDF: 13561447.3/50

- sign 124.777+/-0.028 χ^2/NDF: 7483899.4/25

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.110+/-0.109 χ^2/NDF:10.6/8

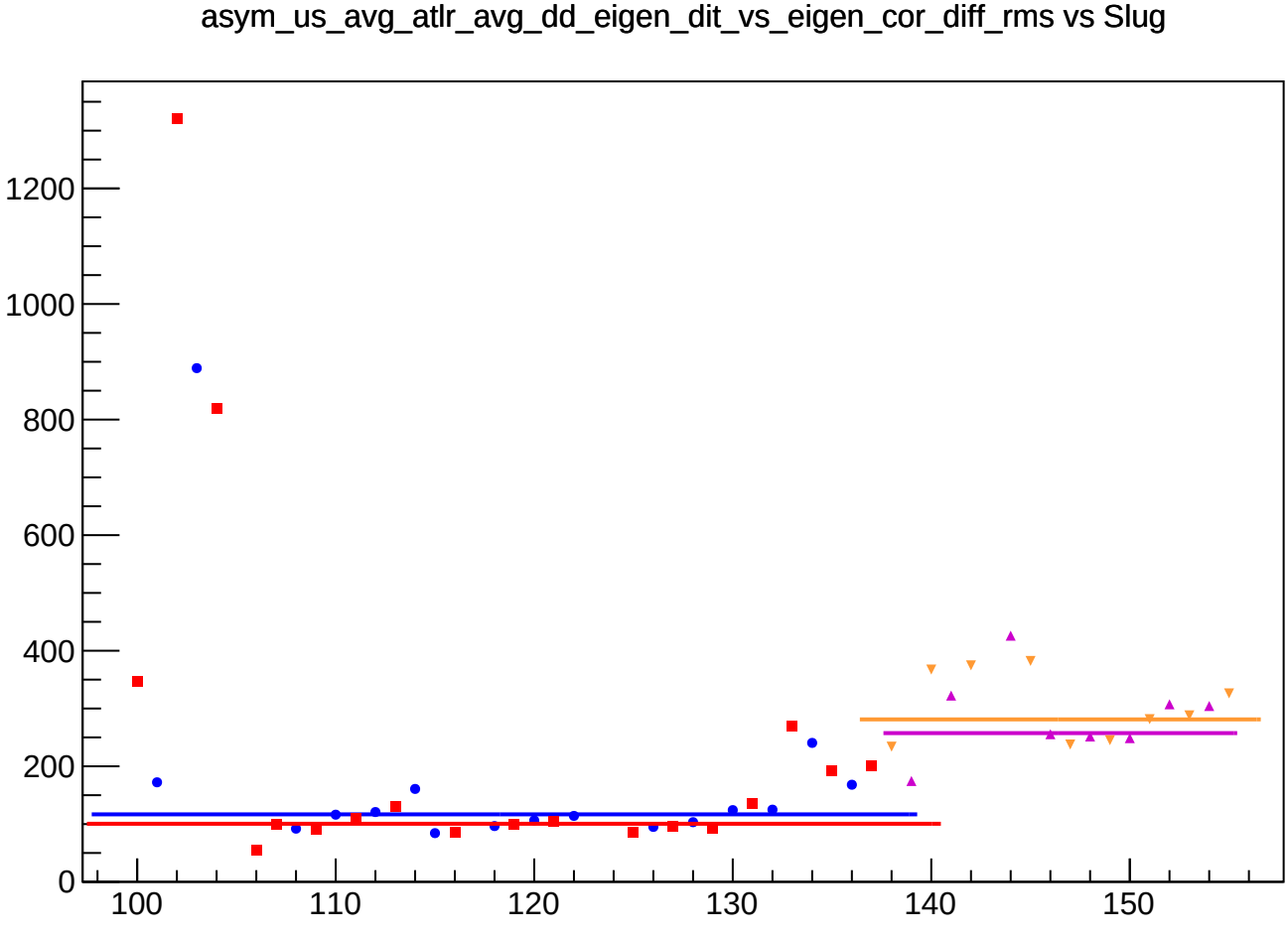
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.123+/-0.101 χ^2/NDF:8.2/7

+ sign 0.018+/-0.044 χ^2/NDF: 22.6/24

All: 0.001+/-0.029 χ^2/NDF: 58.5/50

- sign -0.014+/-0.040 χ^2/NDF: 35.6/25



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 281.167+/-0.077 χ^2/NDF:435815.7/8

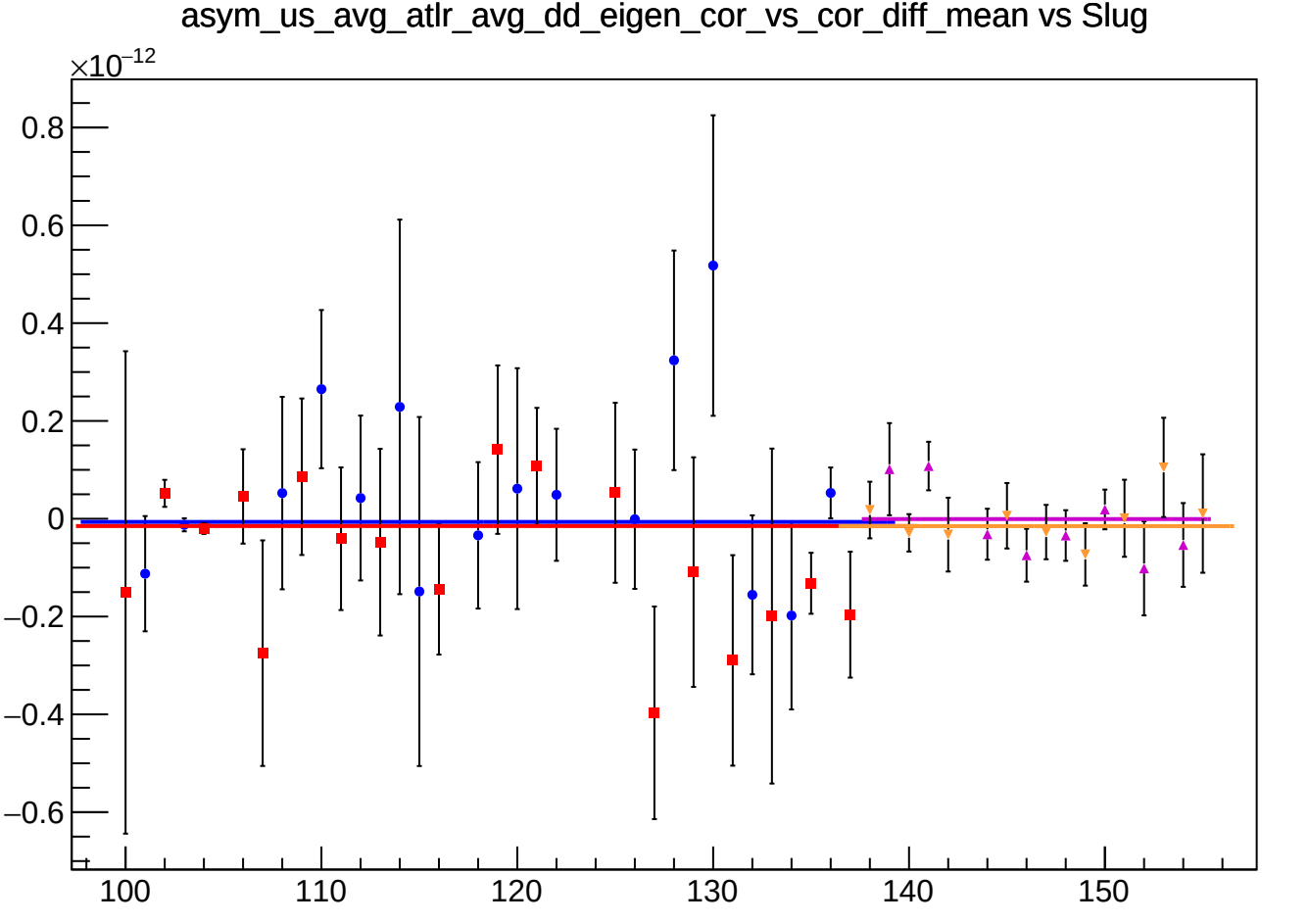
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

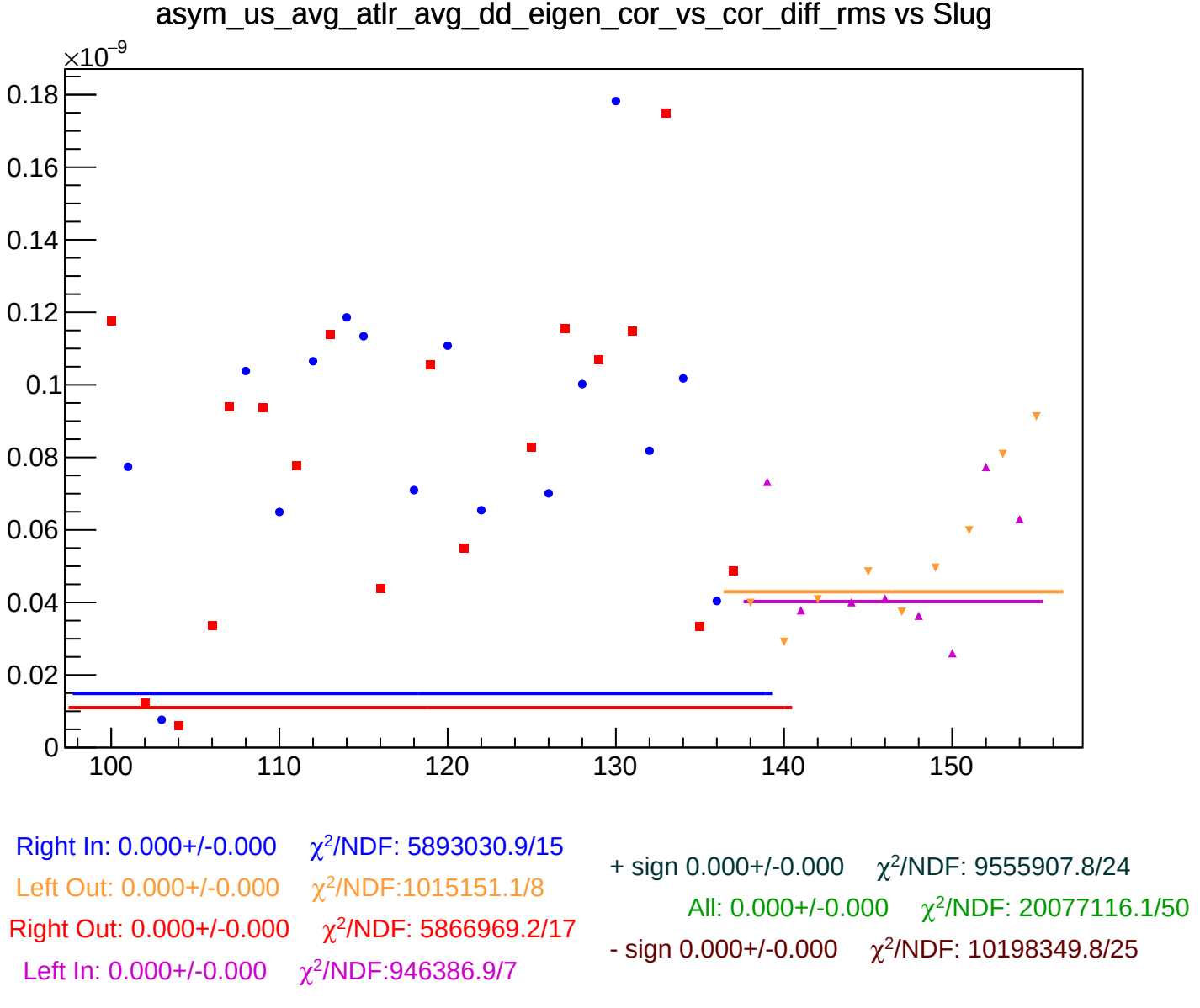
Left In: 257.423+/-0.072 χ^2/NDF:779162.7/7

+ sign 143.086+/-0.031 χ^2/NDF: 5885128.7/24

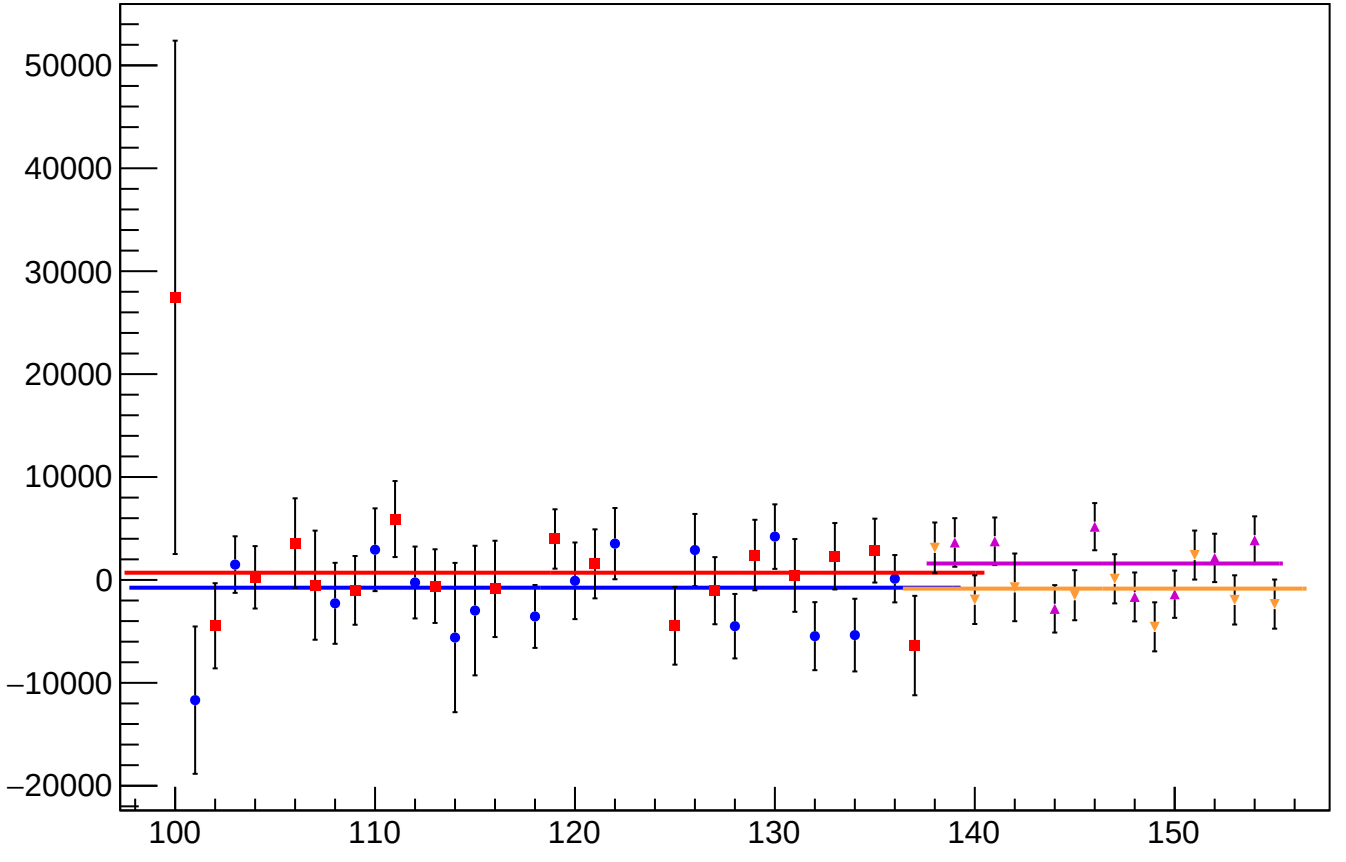
All: 133.138+/-0.021 χ^2/NDF: 13561447.3/50

- sign 124.777+/-0.028 χ^2/NDF: 7483899.4/25


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
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.0/8
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:10.3/7
+ sign -0.000+/-0.000 χ²/NDF: 16.1/24
All: -0.000+/-0.000 χ²/NDF: 48.8/50
- sign -0.000+/-0.000 χ²/NDF: 32.6/25


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1015151.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:946386.9/7
+ sign 0.000+/-0.000 χ²/NDF: 9555907.8/24
All: 0.000+/-0.000 χ²/NDF: 20077116.1/50
- sign 0.000+/-0.000 χ²/NDF: 10198349.8/25

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -844.393+/-820.903 χ^2/NDF:8.0/8

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

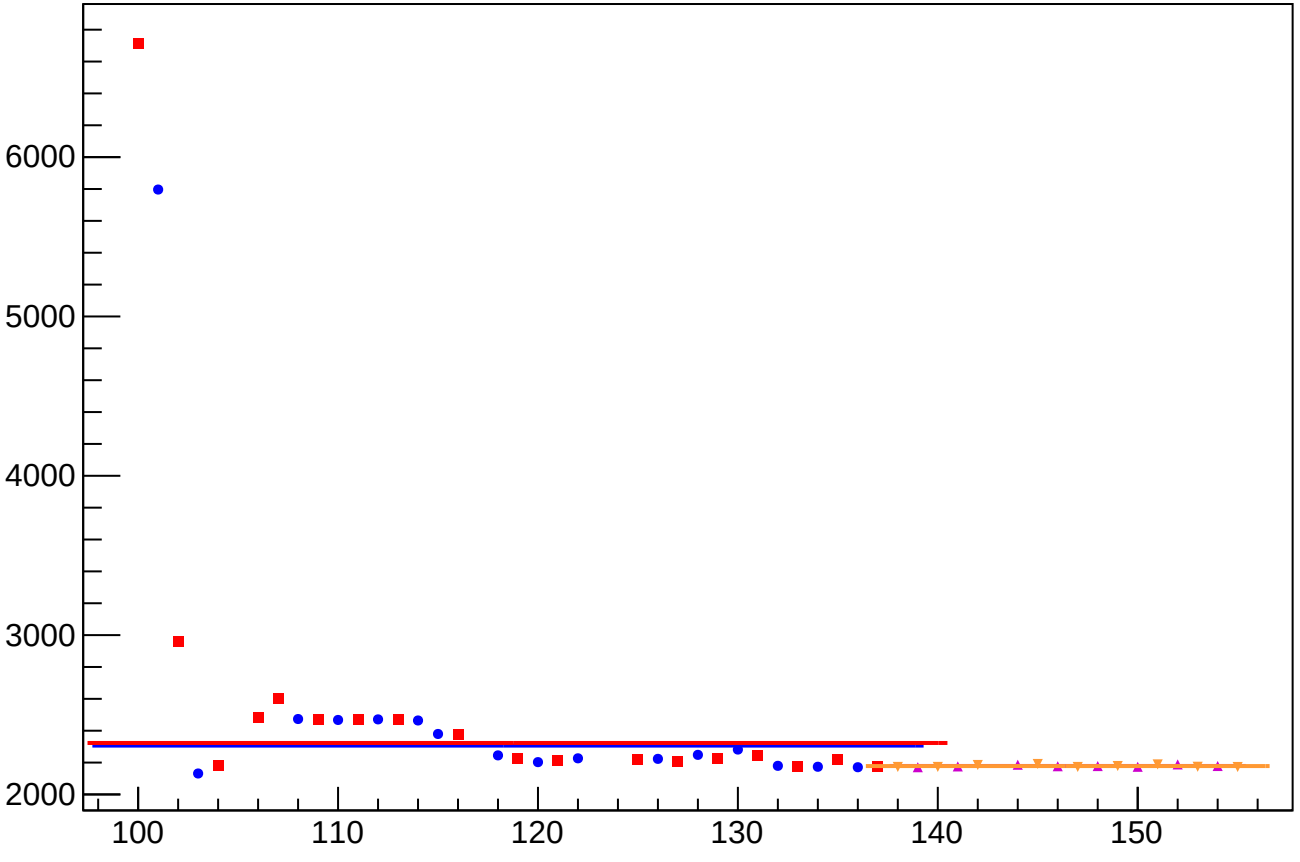
Left In: 1595.649+/-822.201 χ^2/NDF:12.3/7

+ sign -802.093+/-597.924 χ^2/NDF: 23.8/24

All: 186.992+/-422.515 χ^2/NDF: 54.5/50

- sign 1173.447+/-597.129 χ^2/NDF: 25.2/25

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.077+/-0.580 χ^2/NDF:154.7/8

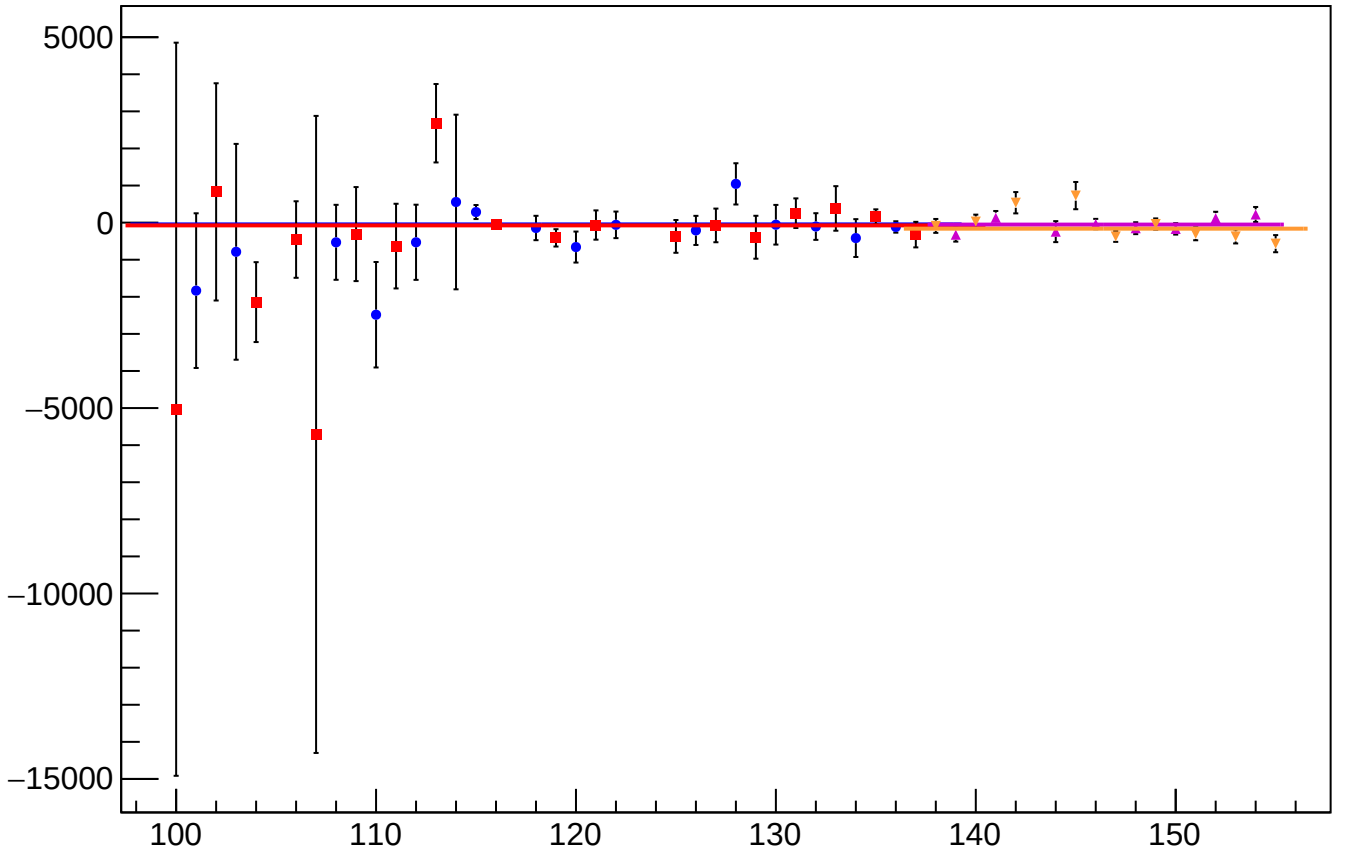
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2178.684+/-0.581 χ^2/NDF:93.5/7

+ sign 2238.435+/-0.423 χ^2/NDF: 537336.0/24

All: 2242.666+/-0.299 χ^2/NDF: 718538.4/50

- sign 2246.886+/-0.422 χ^2/NDF: 181002.3/25



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -162.880+/-63.639 χ^2/NDF:20.7/8

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

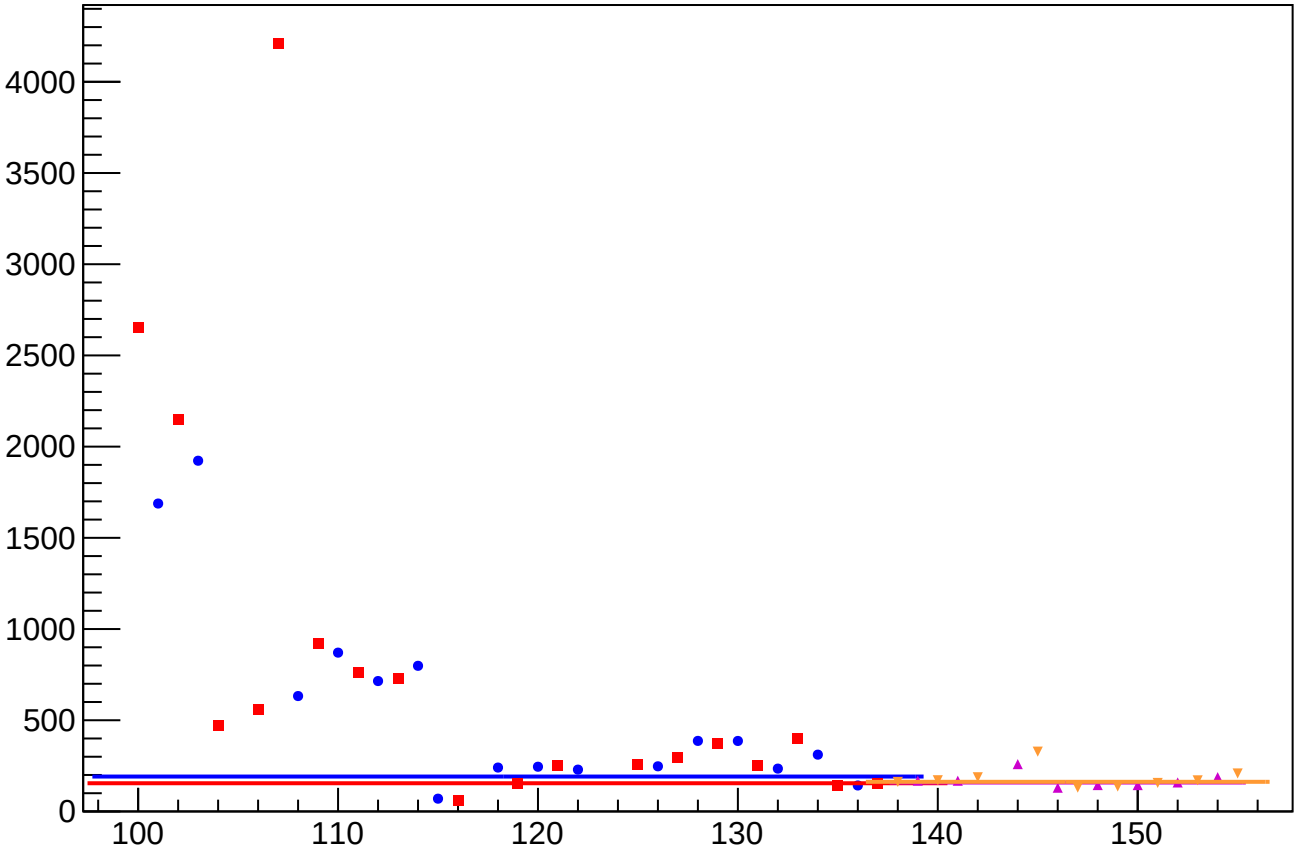
Left In: -53.286+/-61.806 χ^2/NDF:7.4/7

+ sign -125.078+/-52.135 χ^2/NDF: 36.1/24

All: -91.244+/-35.874 χ^2/NDF: 62.0/50

- sign -60.818+/-49.440 χ^2/NDF: 25.1/25

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: 162.486+/-0.045 χ^2/NDF:662644.2/8

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

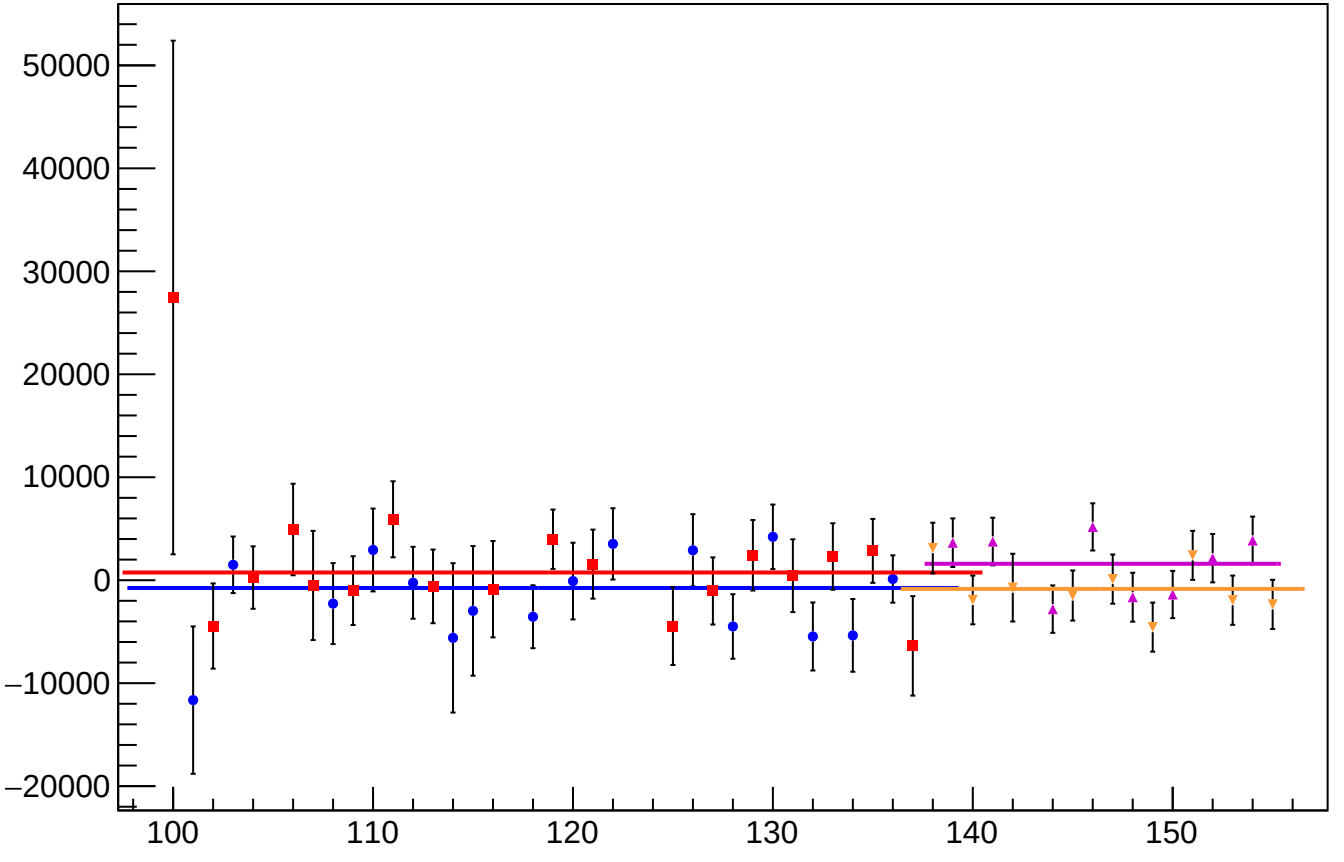
Left In: 158.564+/-0.044 χ^2/NDF:424122.9/7

+ sign 171.988+/-0.037 χ^2/NDF: 5862979.1/24

All: 164.183+/-0.025 χ^2/NDF: 12529374.9/50

- sign 157.164+/-0.035 χ^2/NDF: 6581257.6/25

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -844.411+/-820.903 χ^2/NDF:7.9/8

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

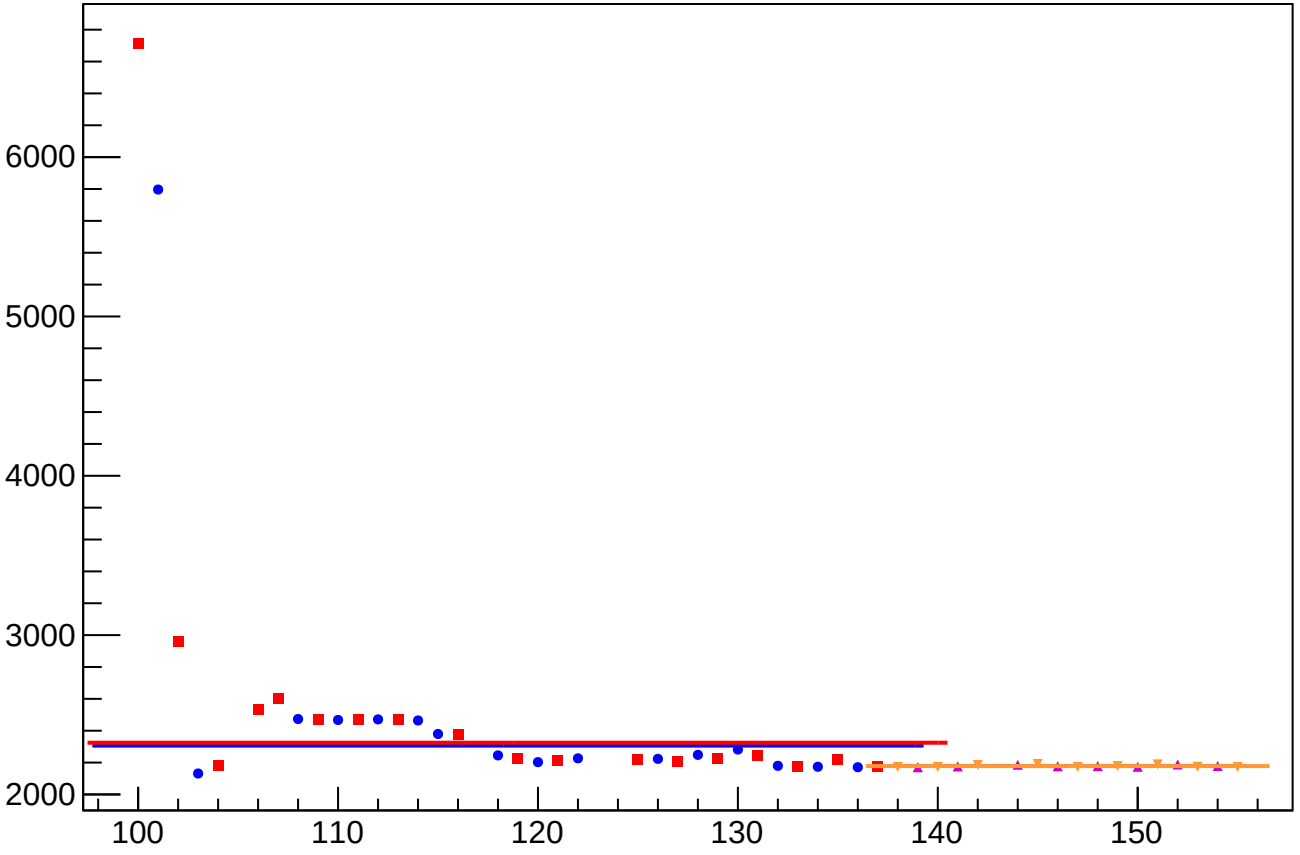
Left In: 1595.595+/-822.201 χ^2/NDF:12.3/7

+ sign -801.647+/-597.924 χ^2/NDF: 23.8/24

All: 198.132+/-422.597 χ^2/NDF: 55.0/50

- sign 1196.033+/-597.362 χ^2/NDF: 25.6/25

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.077+/-0.580 χ^2/NDF:154.7/8

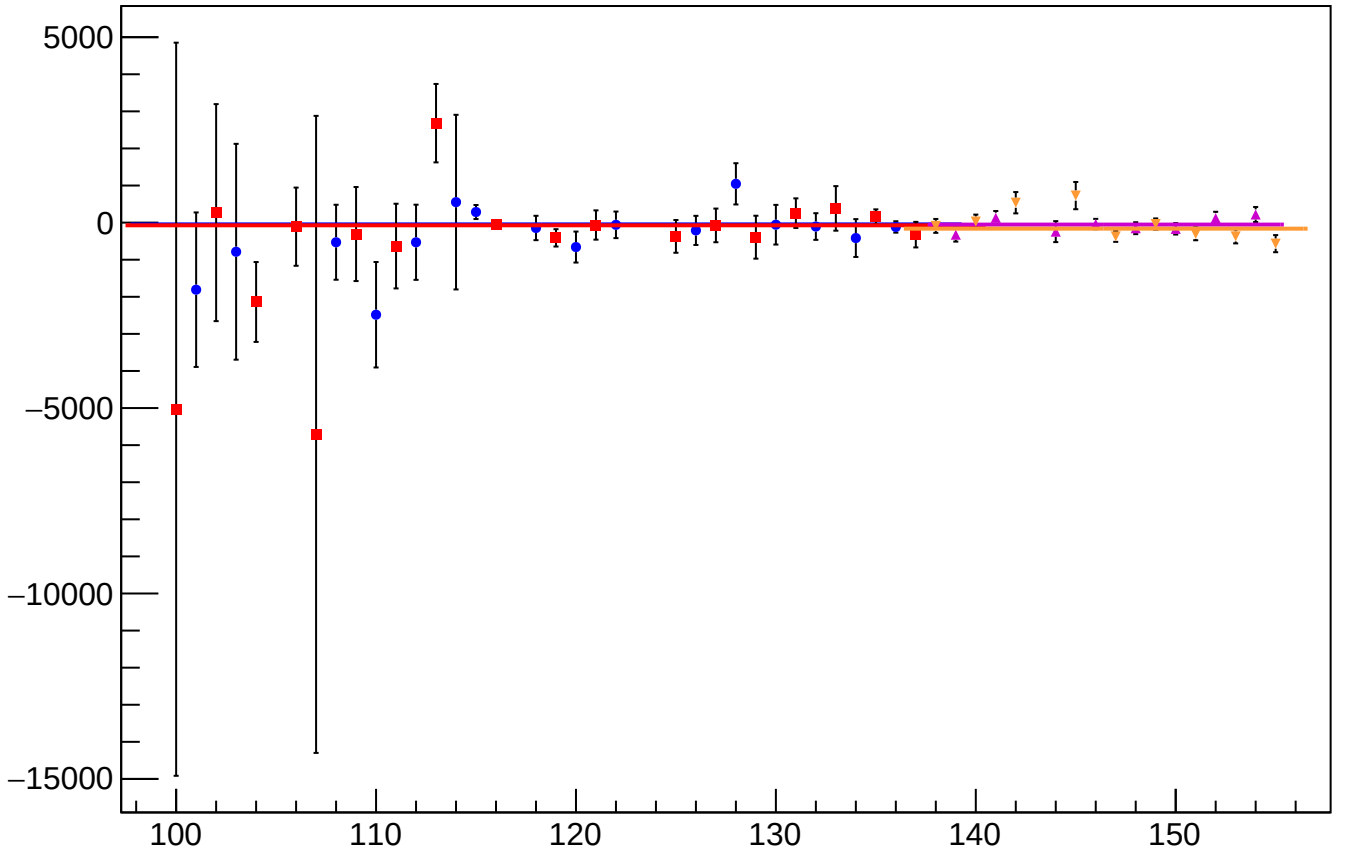
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2178.684+/-0.581 χ^2/NDF:93.5/7

\+ sign 2238.435+/-0.423 χ^2/NDF: 537336.3/24

All: 2243.030+/-0.299 χ^2/NDF: 721019.7/50

\- sign 2247.617+/-0.422 χ^2/NDF: 183447.3/25



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -162.843+/-63.640 χ^2/NDF:20.7/8

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

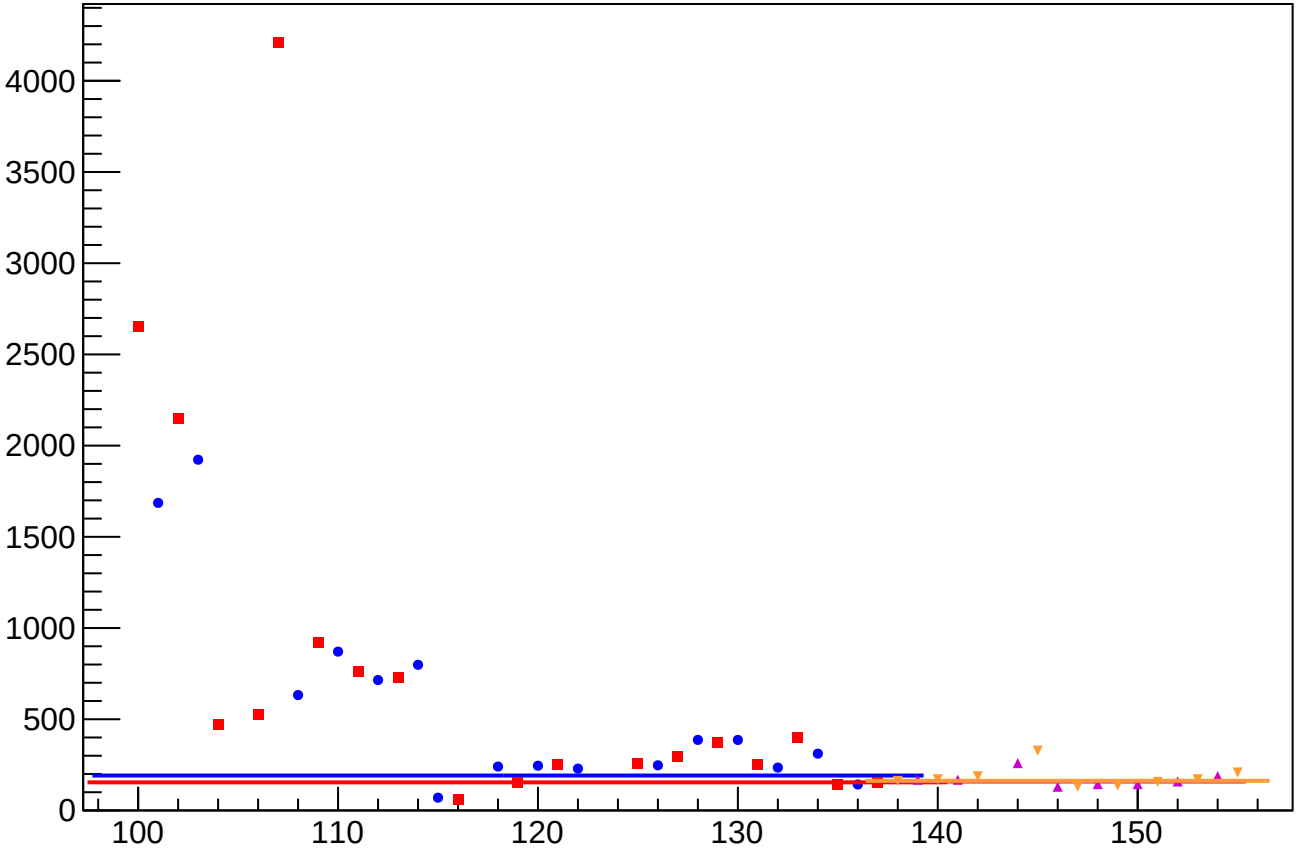
Left In: -53.303+/-61.812 χ^2/NDF:7.4/7

+ sign -125.066+/-52.137 χ^2/NDF: 36.1/24

All: -90.860+/-35.871 χ^2/NDF: 61.7/50

- sign -60.115+/-49.429 χ^2/NDF: 24.8/25

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 162.489+/-0.045 χ^2/NDF:662694.7/8

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

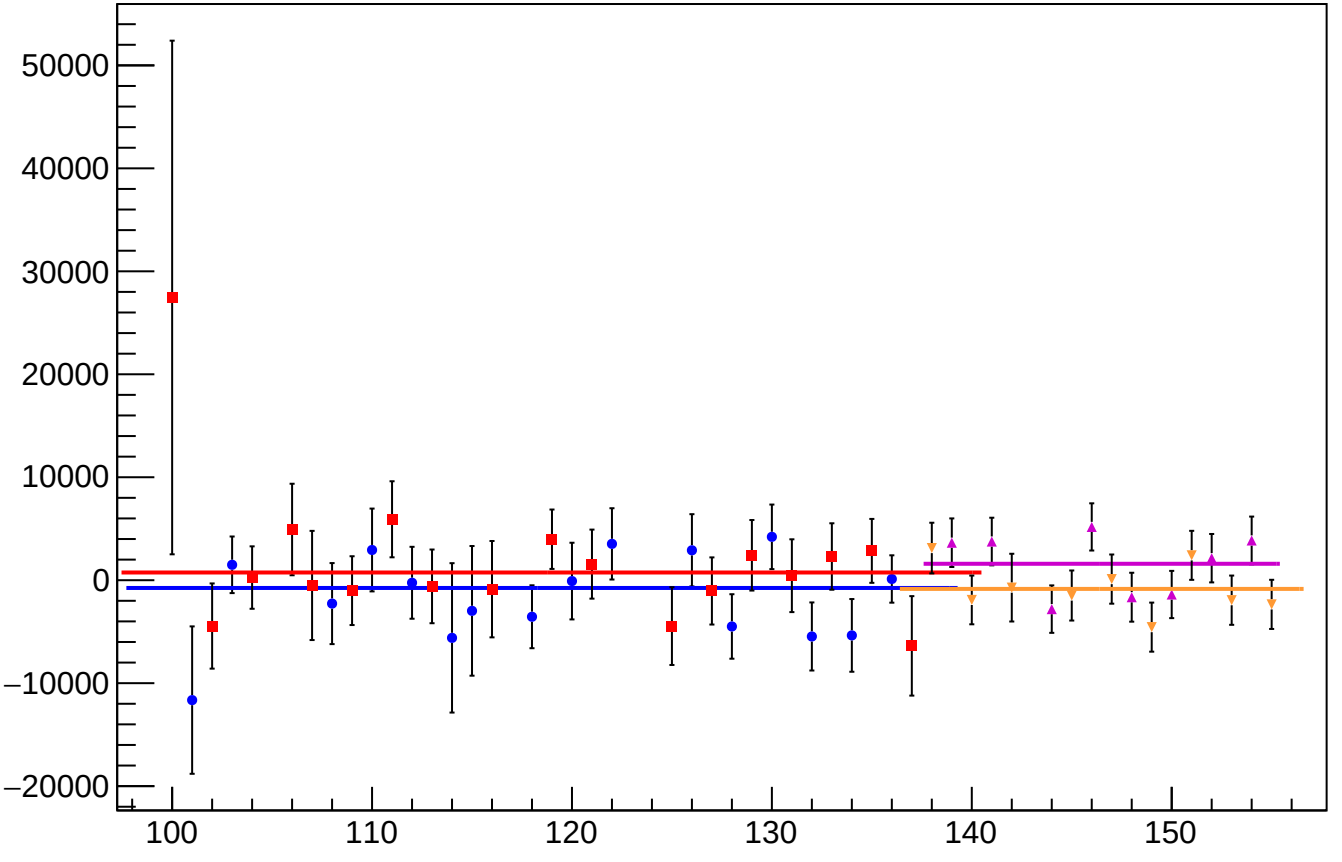
Left In: 158.580+/-0.044 χ^2/NDF:424089.3/7

+ sign 171.997+/-0.037 χ^2/NDF: 5862078.0/24

All: 164.084+/-0.025 χ^2/NDF: 12486058.4/50

- sign 156.972+/-0.035 χ^2/NDF: 6536505.6/25

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -844.411+/-820.903 χ^2/NDF:7.9/8

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

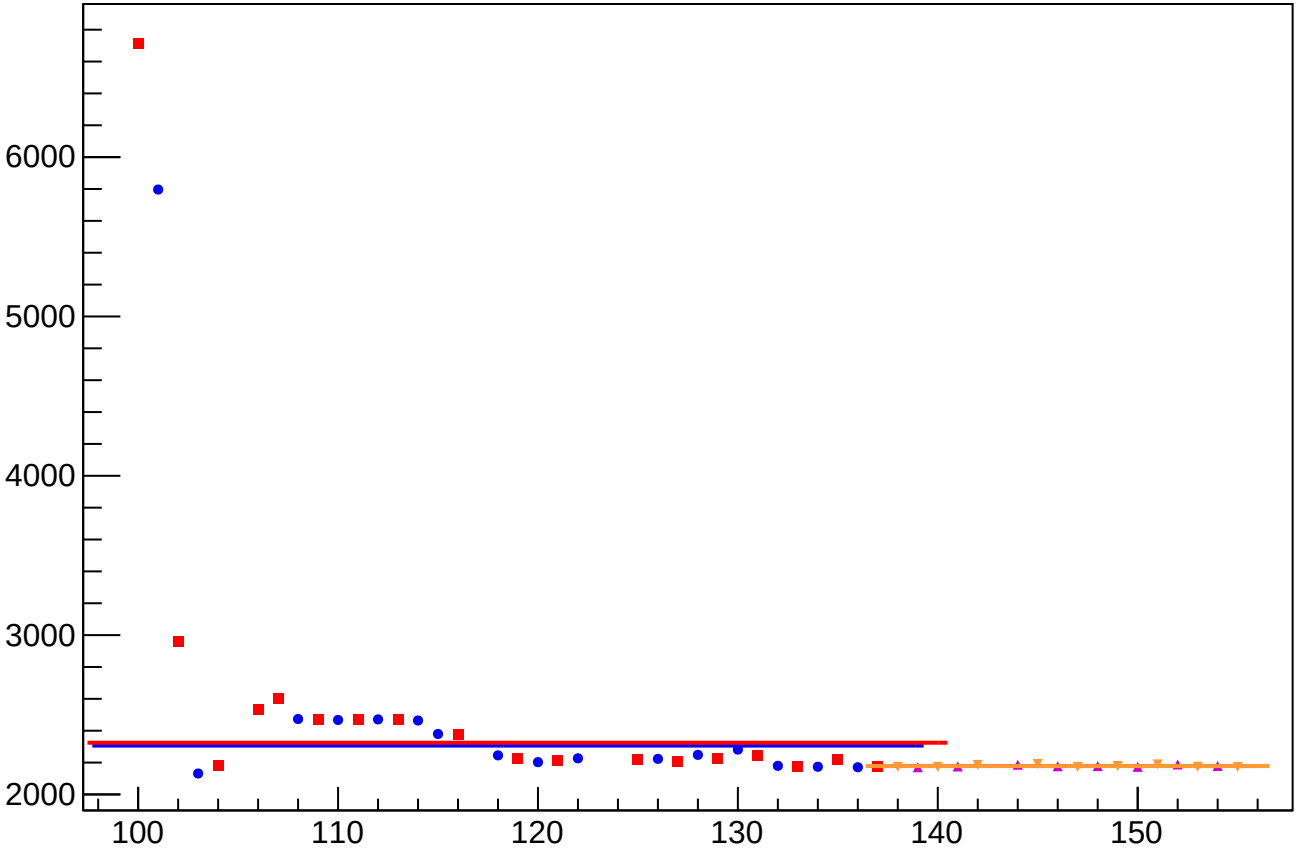
Left In: 1595.595+/-822.201 χ^2/NDF:12.3/7

+ sign -801.647+/-597.924 χ^2/NDF: 23.8/24

All: 198.132+/-422.597 χ^2/NDF: 55.0/50

- sign 1196.033+/-597.362 χ^2/NDF: 25.6/25

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.077+/-0.580 χ^2/NDF:154.7/8

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

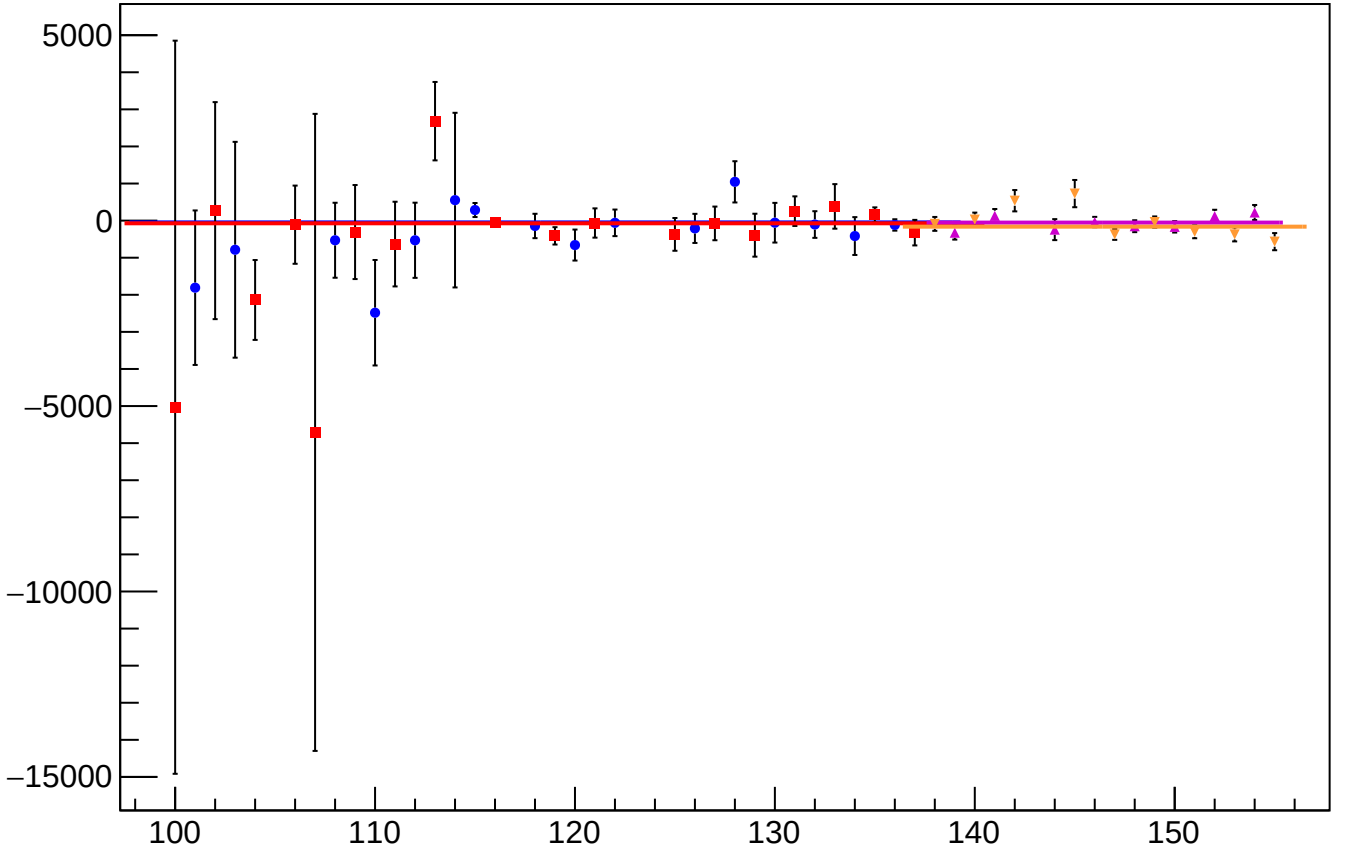
Left In: 2178.684+/-0.581 χ^2/NDF:93.5/7

+ sign 2238.435+/-0.423 χ^2/NDF: 537336.3/24

All: 2243.030+/-0.299 χ^2/NDF: 721019.7/50

- sign 2247.617+/-0.422 χ^2/NDF: 183447.3/25

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -162.843+/-63.640 χ^2/NDF:20.7/8

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

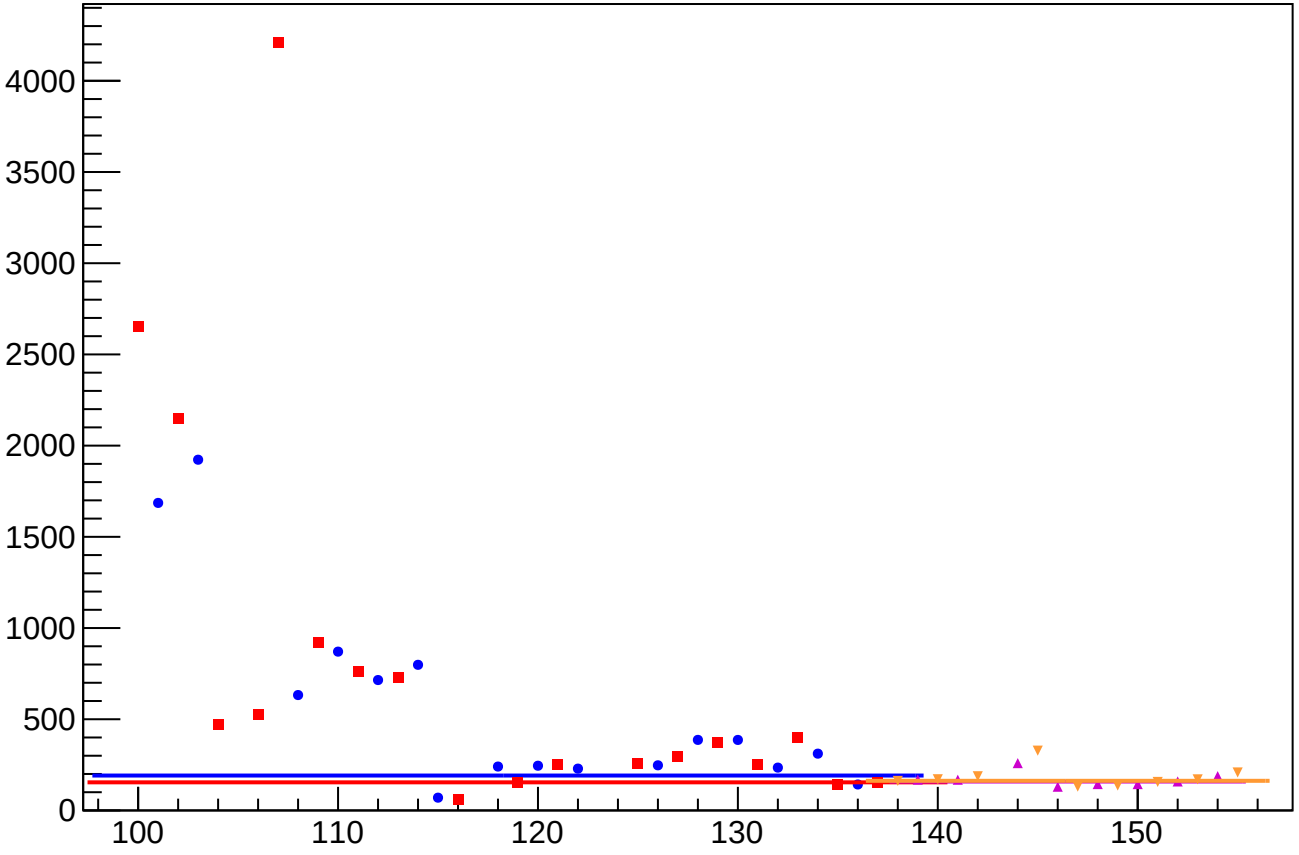
Left In: -53.303+/-61.812 χ^2/NDF:7.4/7

+ sign -125.066+/-52.137 χ^2/NDF: 36.1/24

All: -90.860+/-35.871 χ^2/NDF: 61.7/50

- sign -60.115+/-49.429 χ^2/NDF: 24.8/25

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 162.489+/-0.045 χ^2/NDF:662694.7/8

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

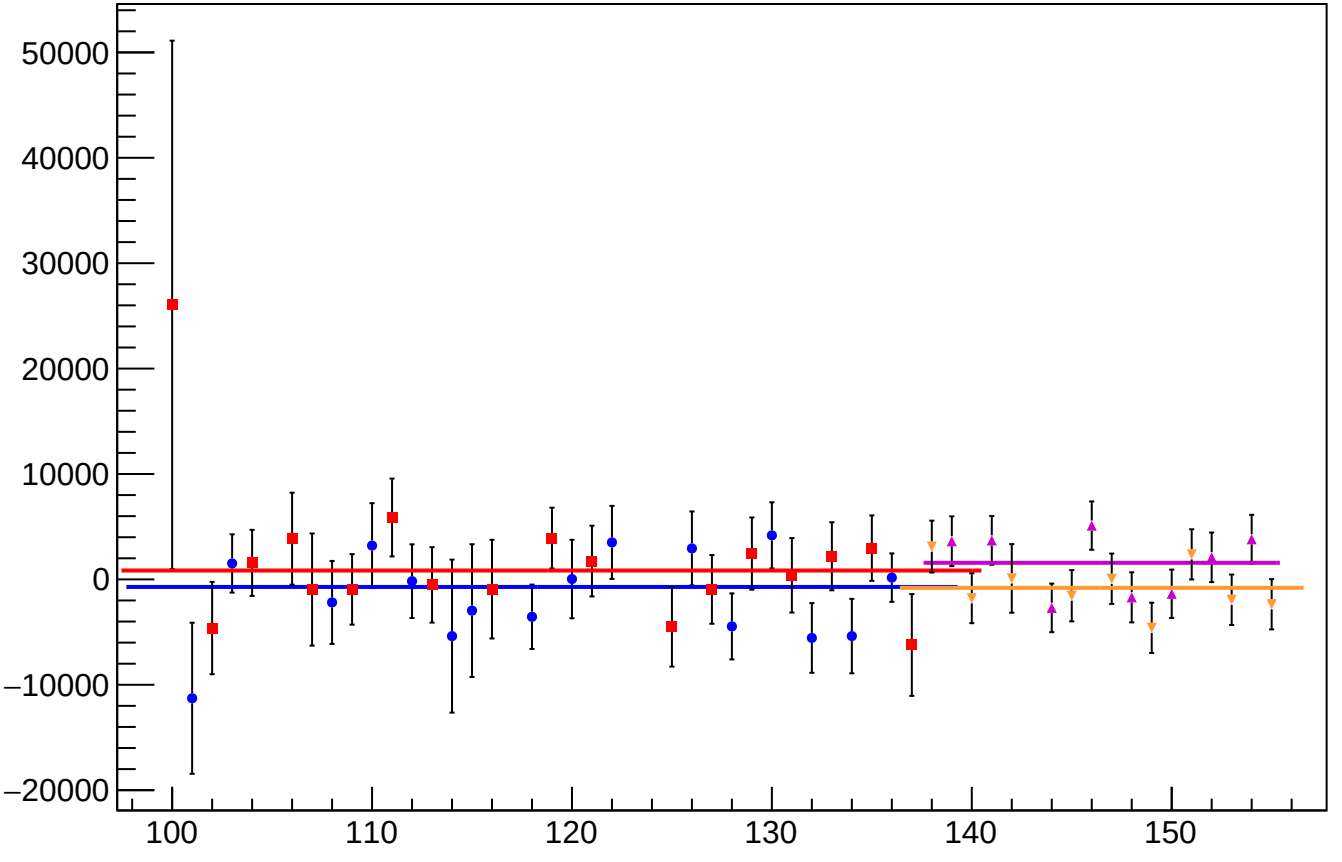
Left In: 158.580+/-0.044 χ^2/NDF:424089.3/7

+ sign 171.997+/-0.037 χ^2/NDF: 5862078.0/24

All: 164.084+/-0.025 χ^2/NDF: 12486058.4/50

- sign 156.972+/-0.035 χ^2/NDF: 6536505.6/25

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -801.128+/-820.627 χ^2/NDF:8.0/8

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

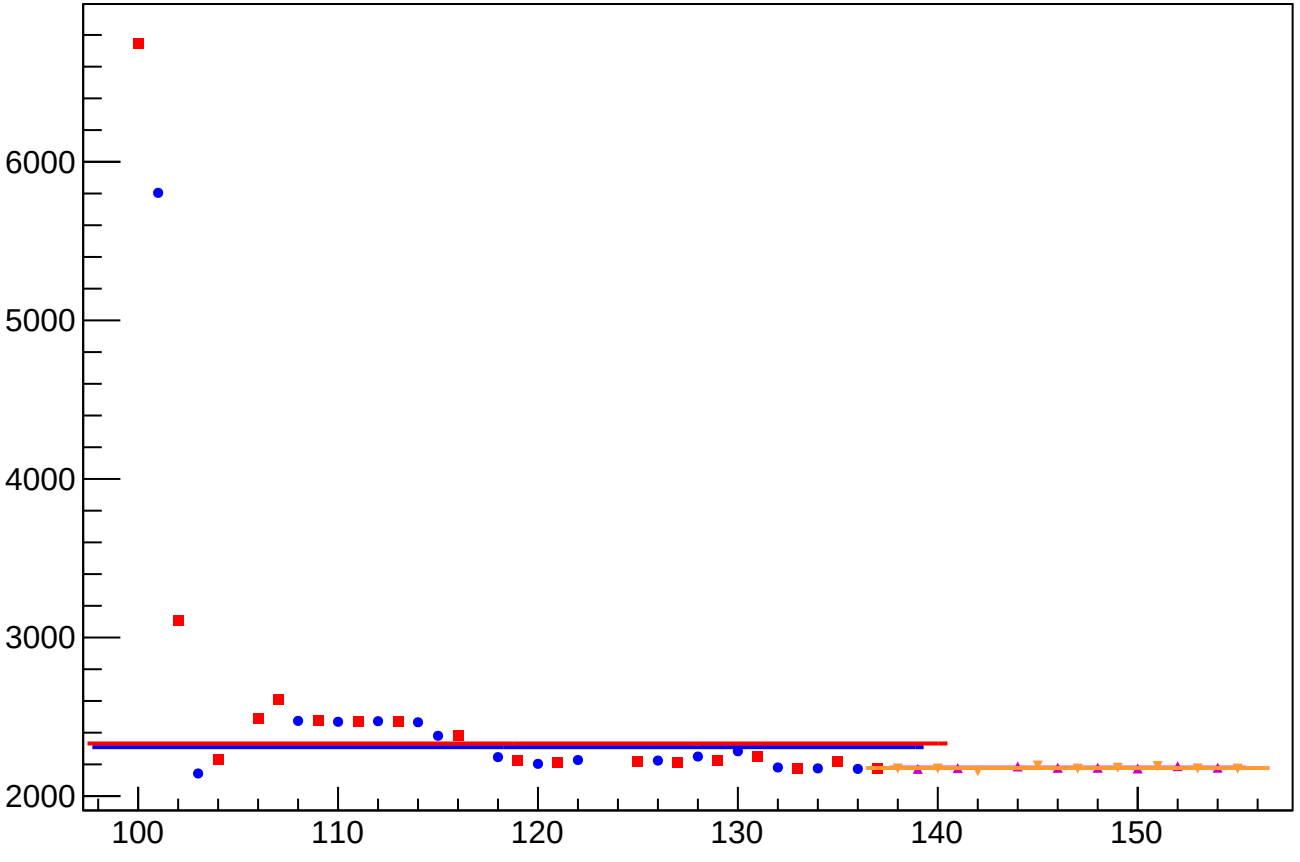
Left In: 1573.275+/-822.497 χ^2/NDF:11.9/7

+ sign -761.753+/-598.102 χ^2/NDF: 23.8/24

All: 232.755+/-423.183 χ^2/NDF: 53.8/50

- sign 1229.719+/-598.840 χ^2/NDF: 24.5/25

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2176.981+/-0.580 χ^2/NDF:235.5/8

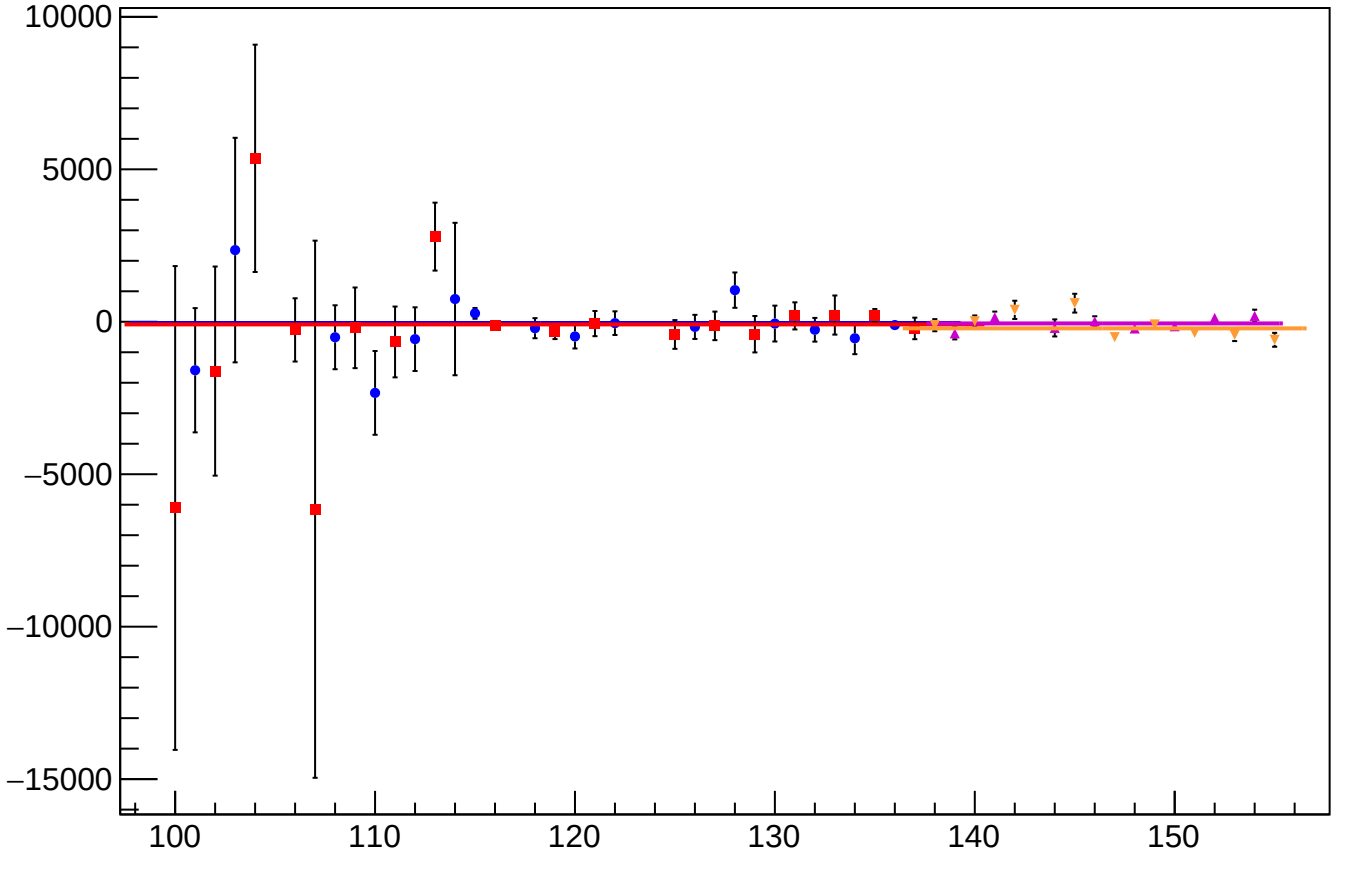
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2179.469+/-0.582 χ^2/NDF:90.8/7

+ sign 2238.749+/-0.423 χ^2/NDF: 538148.0/24

All: 2244.904+/-0.299 χ^2/NDF: 738242.1/50

- sign 2251.073+/-0.423 χ^2/NDF: 199670.1/25



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -216.233+/-64.392 χ^2/NDF:21.9/8

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

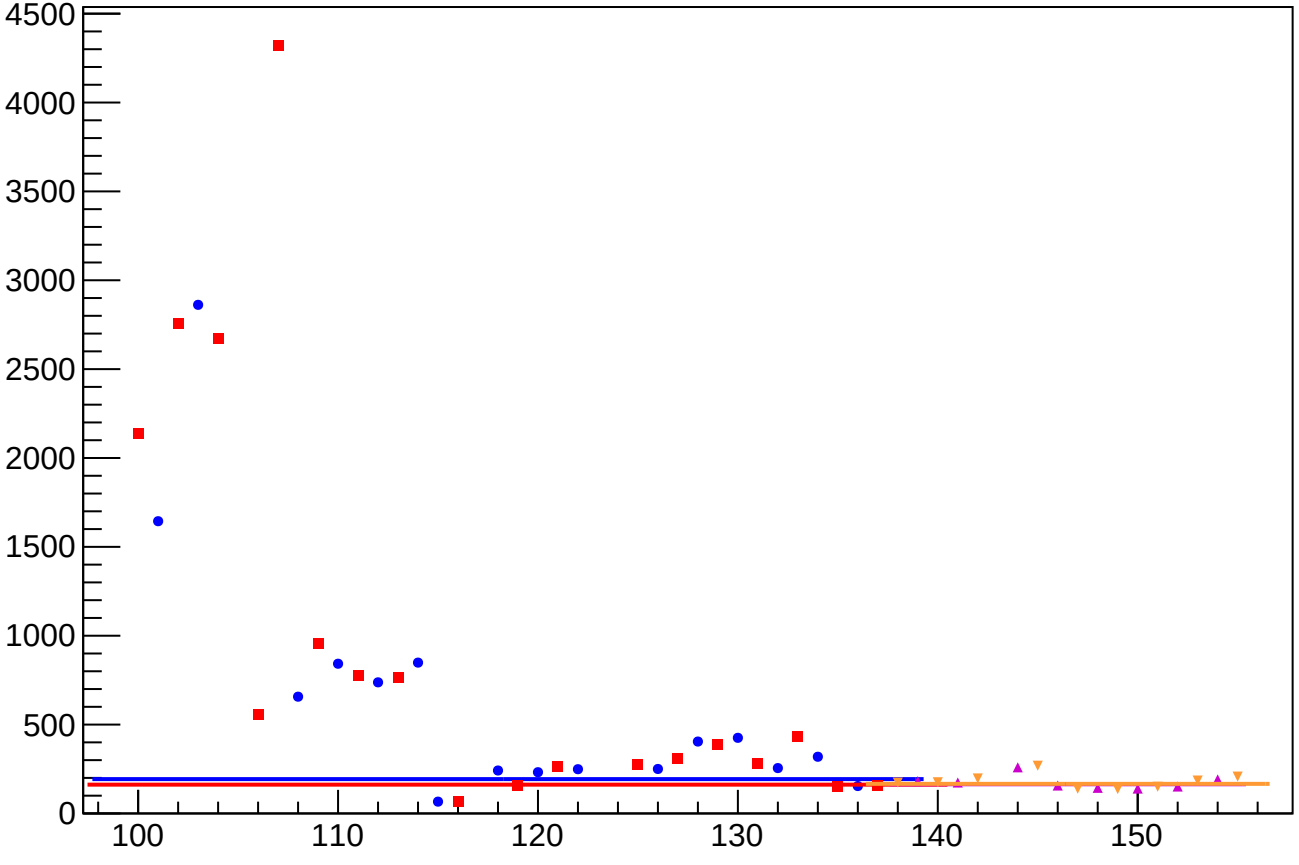
Left In: -54.273+/-63.244 χ^2/NDF:8.5/7

+ sign -158.671+/-52.831 χ^2/NDF: 38.4/24

All: -110.428+/-36.681 χ^2/NDF: 63.6/50

- sign -65.527+/-50.968 χ^2/NDF: 23.5/25

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 166.567+/-0.046 χ^2/NDF:483633.8/8

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

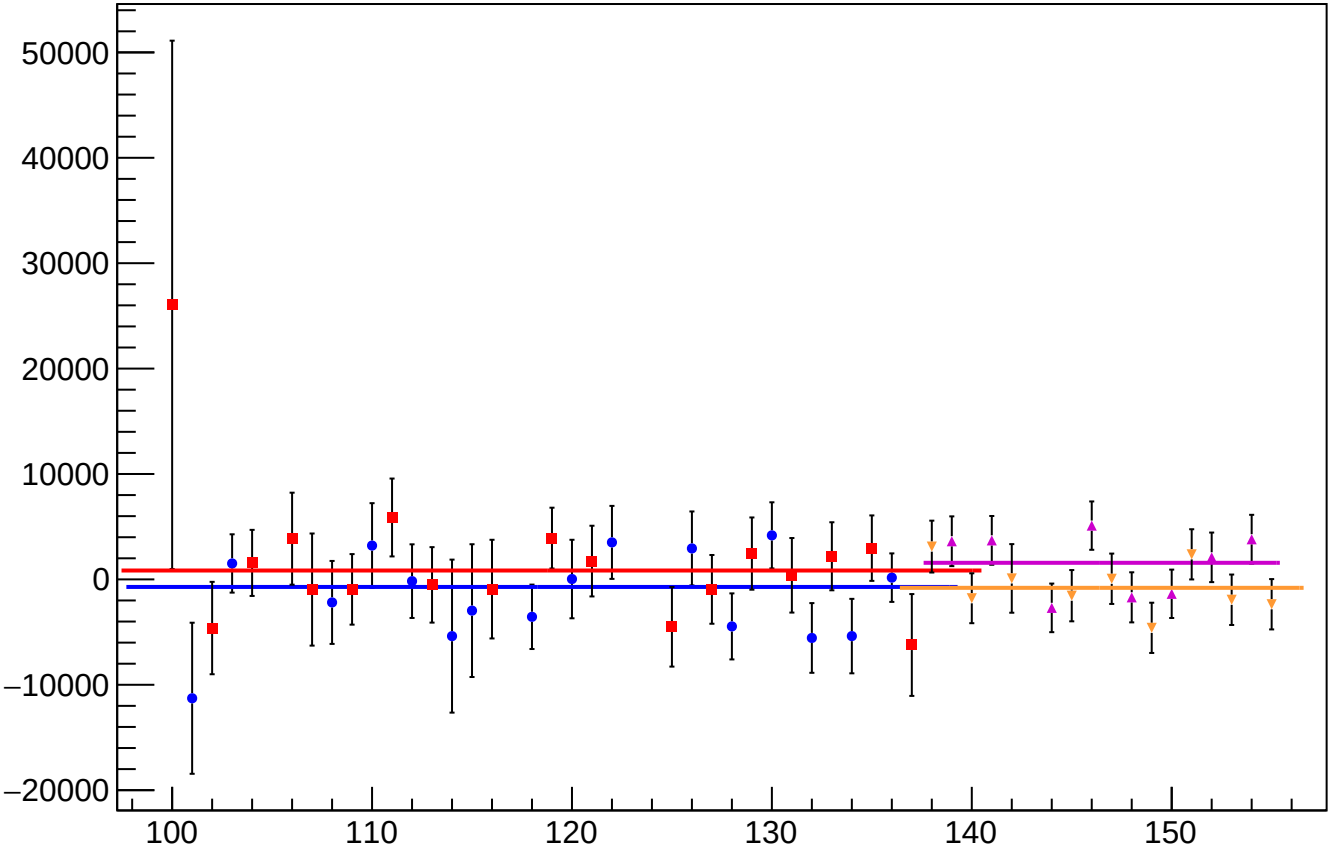
Left In: 164.184+/-0.045 χ^2/NDF:389695.1/7

+ sign 175.290+/-0.037 χ^2/NDF: 6213770.5/24

All: 169.162+/-0.026 χ^2/NDF: 13726660.6/50

- sign 163.459+/-0.036 χ^2/NDF: 7460935.4/25

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: -801.130+/-820.627 χ^2/NDF:8.0/8

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

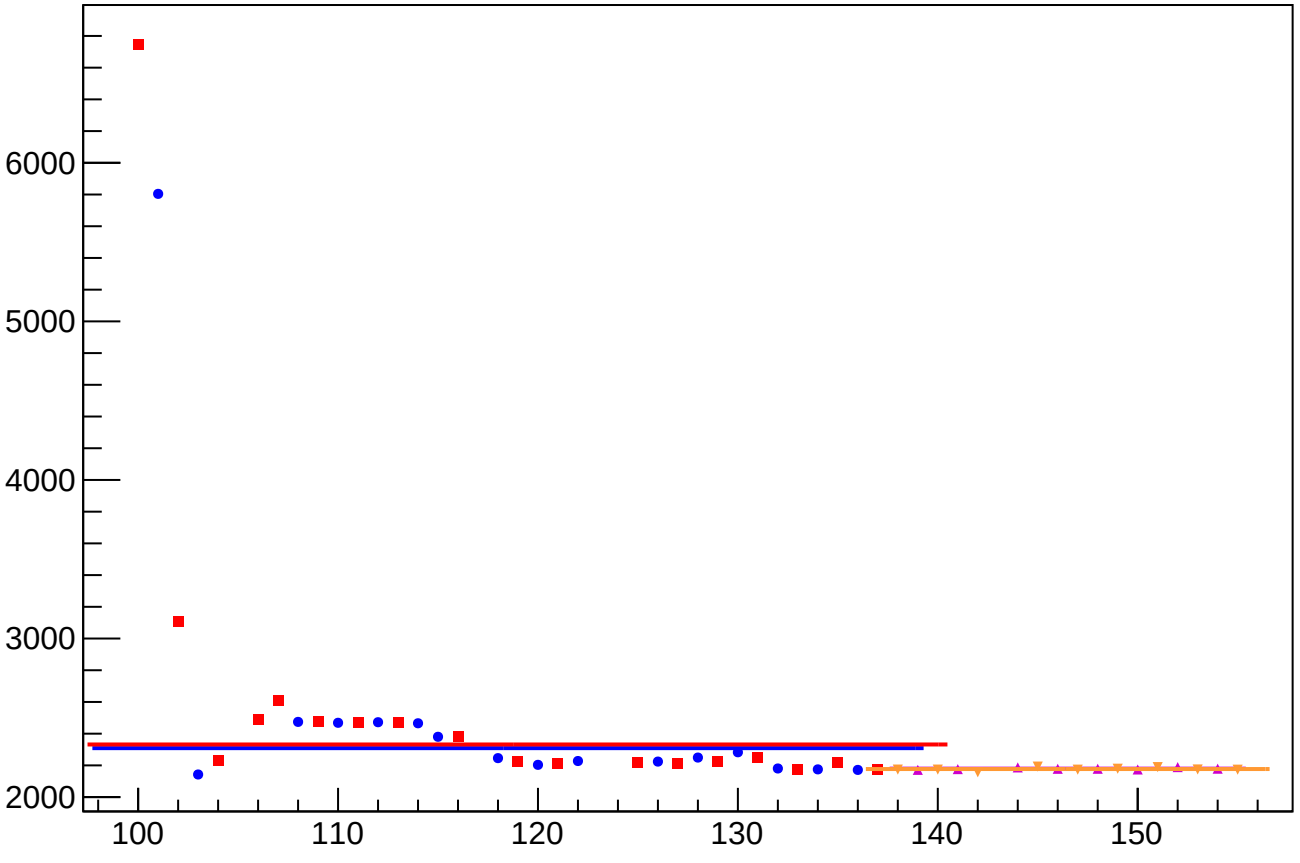
Left In: 1573.275+/-822.497 χ^2/NDF:11.9/7

+ sign -761.754+/-598.102 χ^2/NDF: 23.8/24

All: 232.755+/-423.183 χ^2/NDF: 53.8/50

- sign 1229.720+/-598.840 χ^2/NDF: 24.5/25

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: 2176.981+/-0.580 χ^2/NDF:235.5/8

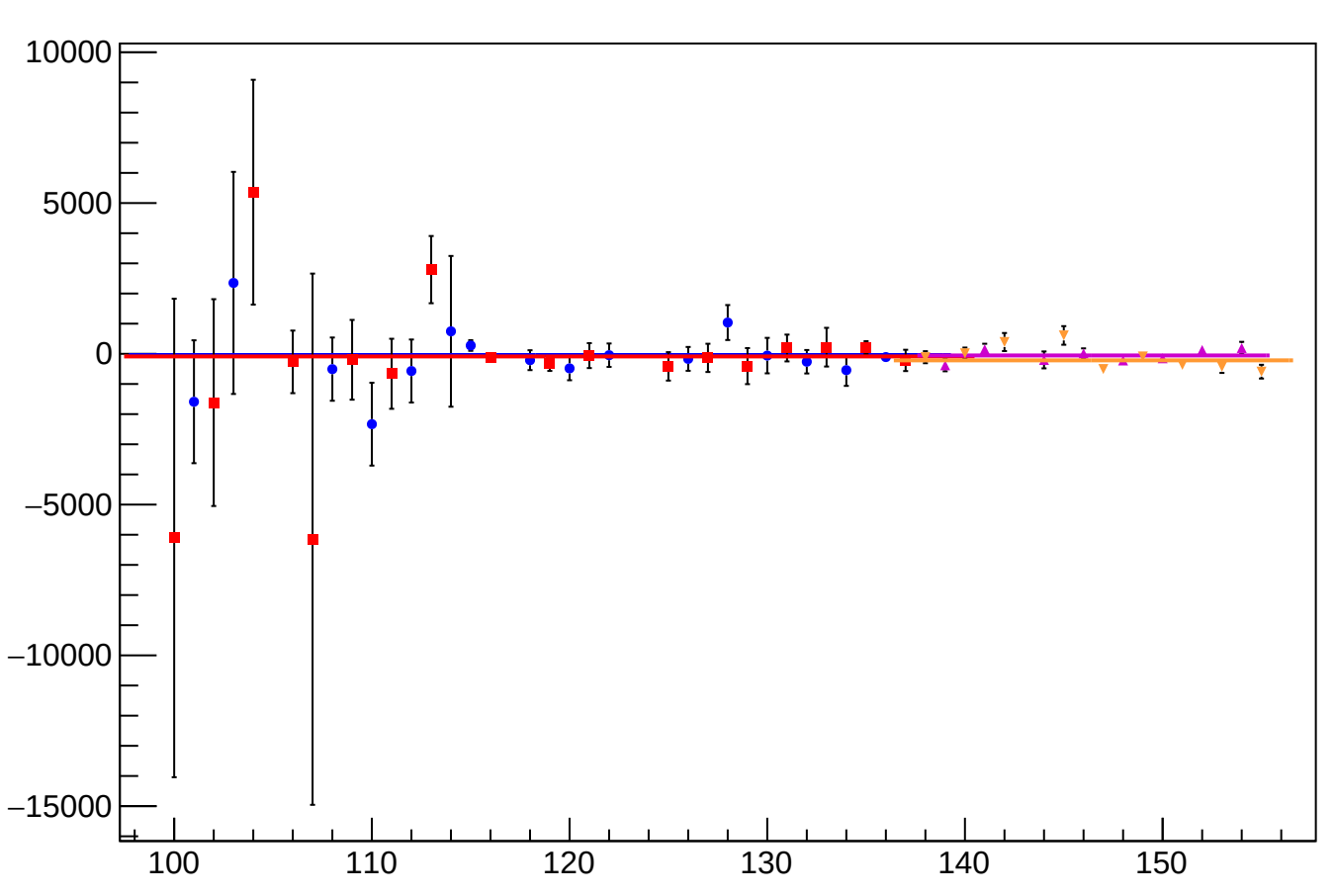
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2179.469+/-0.582 χ^2/NDF:90.8/7

+ sign 2238.749+/-0.423 χ^2/NDF: 538148.0/24

All: 2244.904+/-0.299 χ^2/NDF: 738242.0/50

- sign 2251.073+/-0.423 χ^2/NDF: 199669.9/25



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -216.235+/-64.392 χ^2/NDF:21.9/8

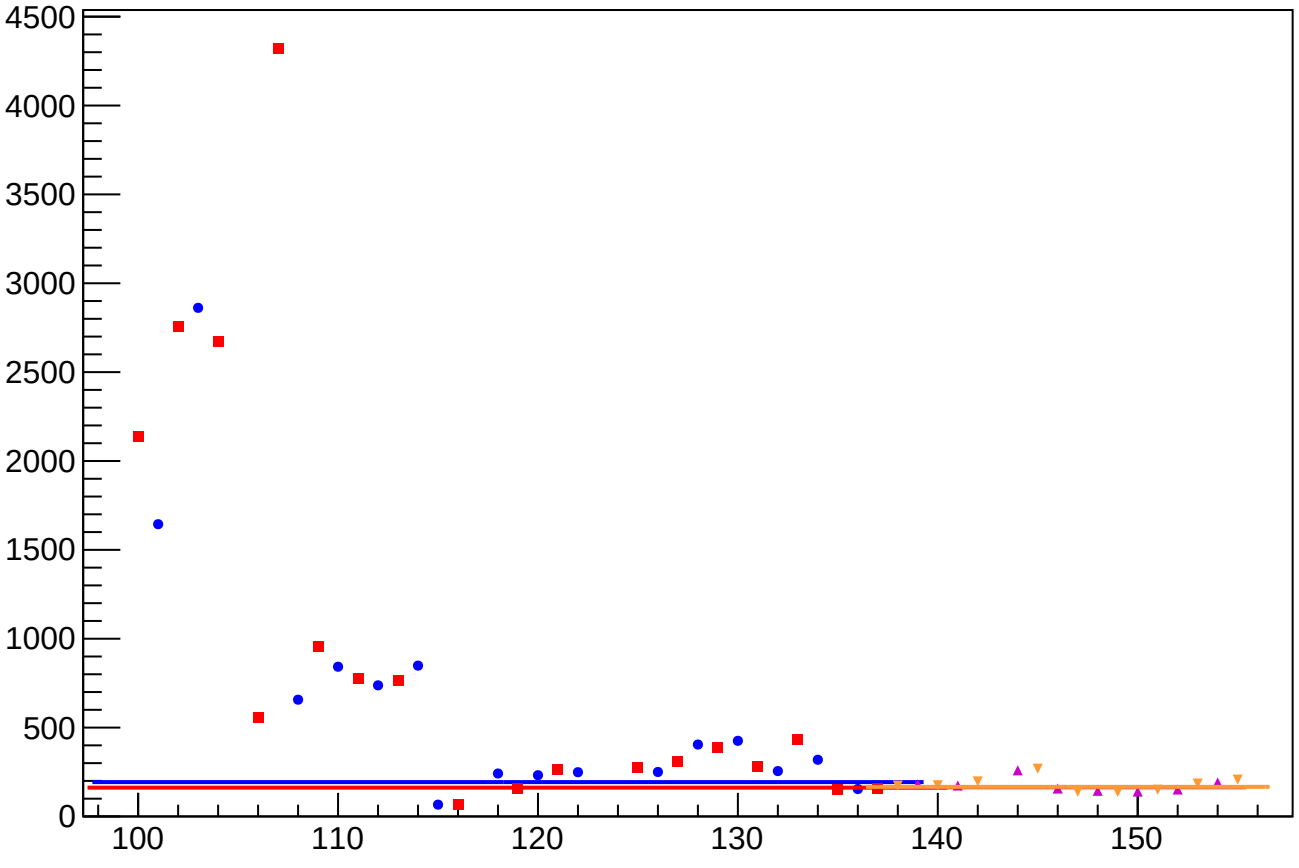
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -54.270+/-63.244 χ^2/NDF:8.5/7

+ sign -158.670+/-52.831 χ^2/NDF: 38.4/24

All: -110.427+/-36.681 χ^2/NDF: 63.6/50

- sign -65.526+/-50.968 χ^2/NDF: 23.5/25



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 166.568+/-0.046 χ^2/NDF:483615.3/8

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

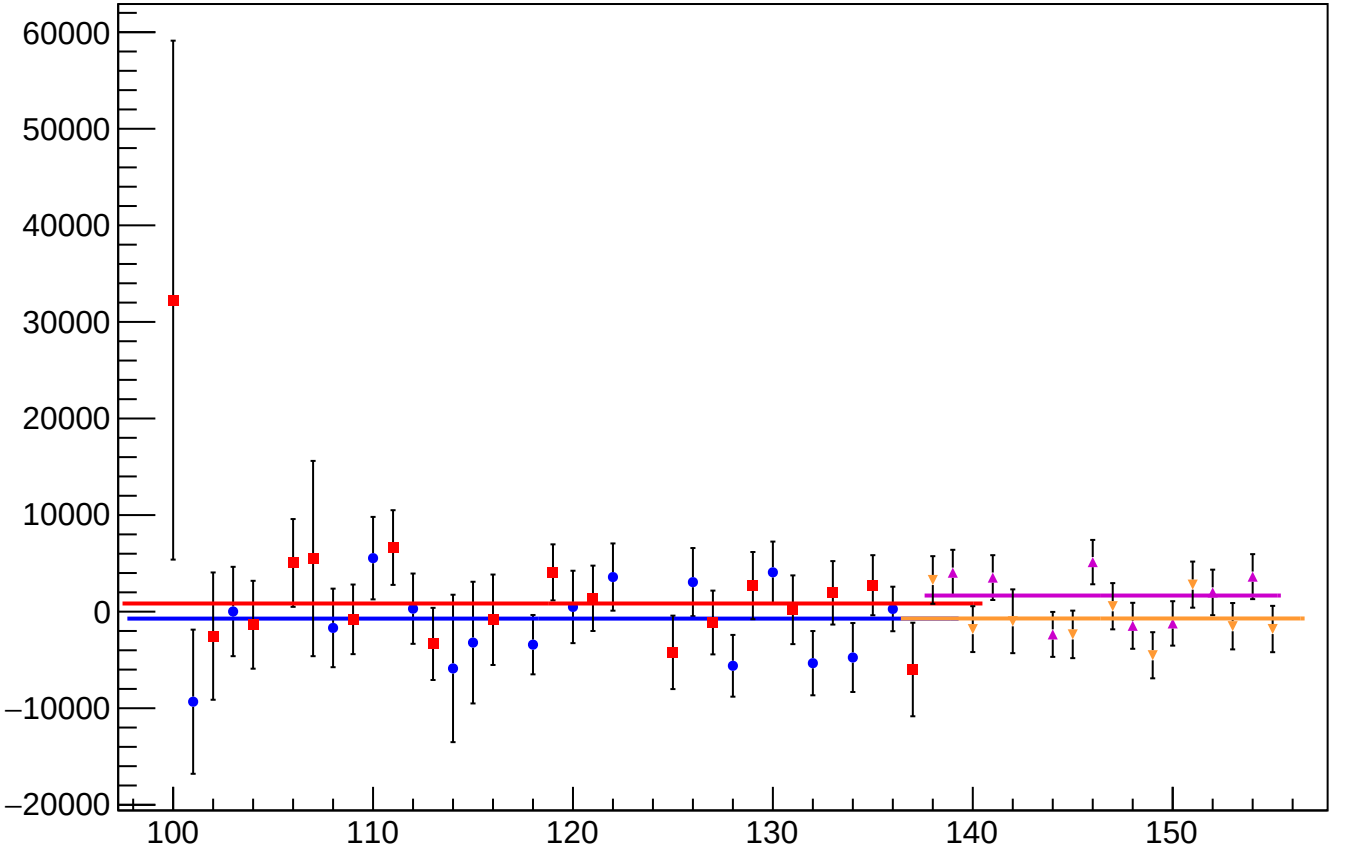
Left In: 164.185+/-0.045 χ^2/NDF:389684.8/7

+ sign 175.290+/-0.037 χ^2/NDF: 6213764.6/24

All: 169.162+/-0.026 χ^2/NDF: 13726708.6/50

- sign 163.458+/-0.036 χ^2/NDF: 7460986.0/25

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -706.483+/-824.433 χ^2/NDF:8.6/8

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

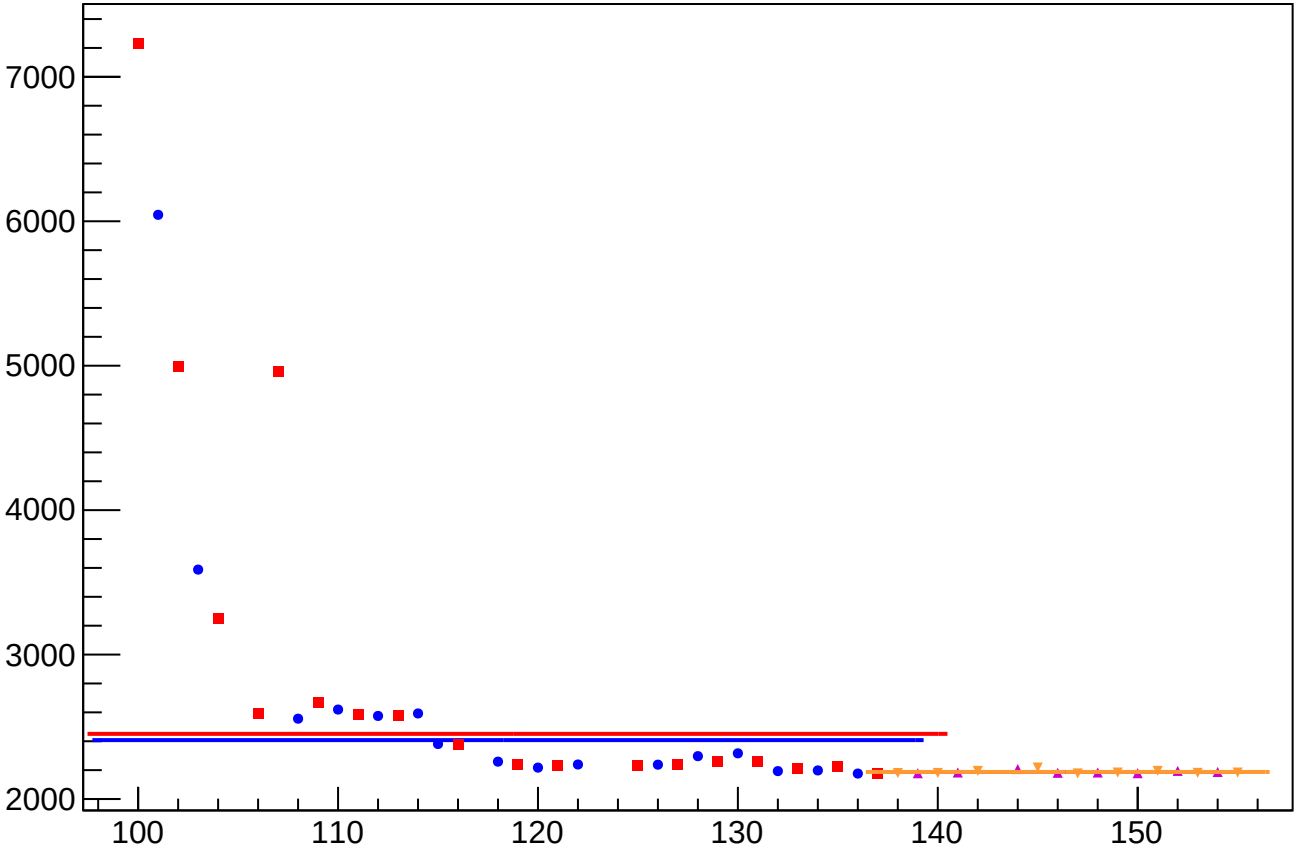
Left In: 1668.947+/-825.371 χ^2/NDF:10.9/7

+ sign -712.336+/-612.854 χ^2/NDF: 24.4/24

All: 289.763+/-434.789 χ^2/NDF: 54.1/50

- sign 1305.260+/-616.937 χ^2/NDF: 24.3/25

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.421+/-0.583 χ^2/NDF:434.7/8

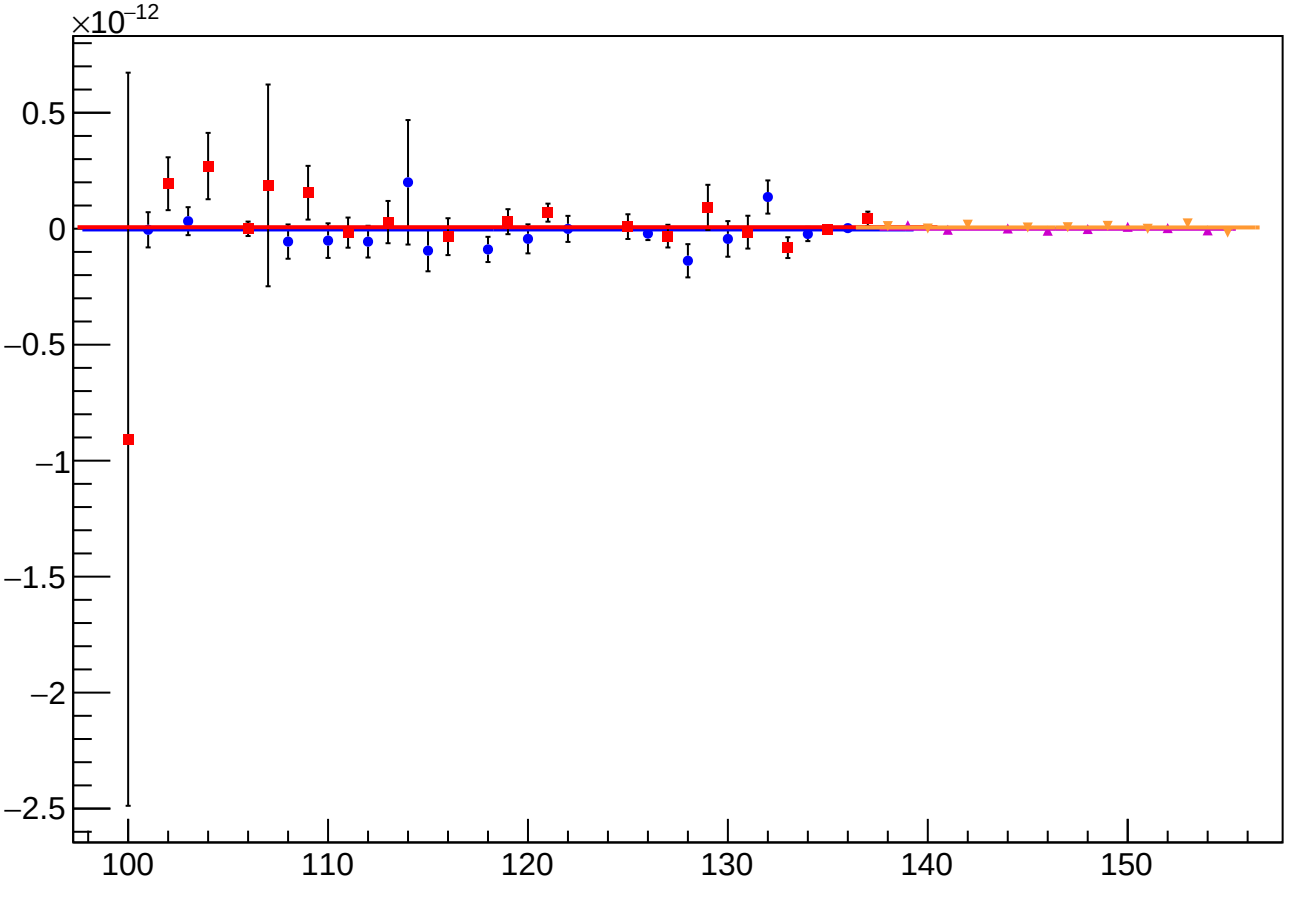
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.065+/-0.584 χ^2/NDF:250.5/7

+ sign 2286.019+/-0.433 χ^2/NDF: 741262.0/24

All: 2294.762+/-0.307 χ^2/NDF: 1466313.2/50

- sign 2303.622+/-0.436 χ^2/NDF: 724231.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/8

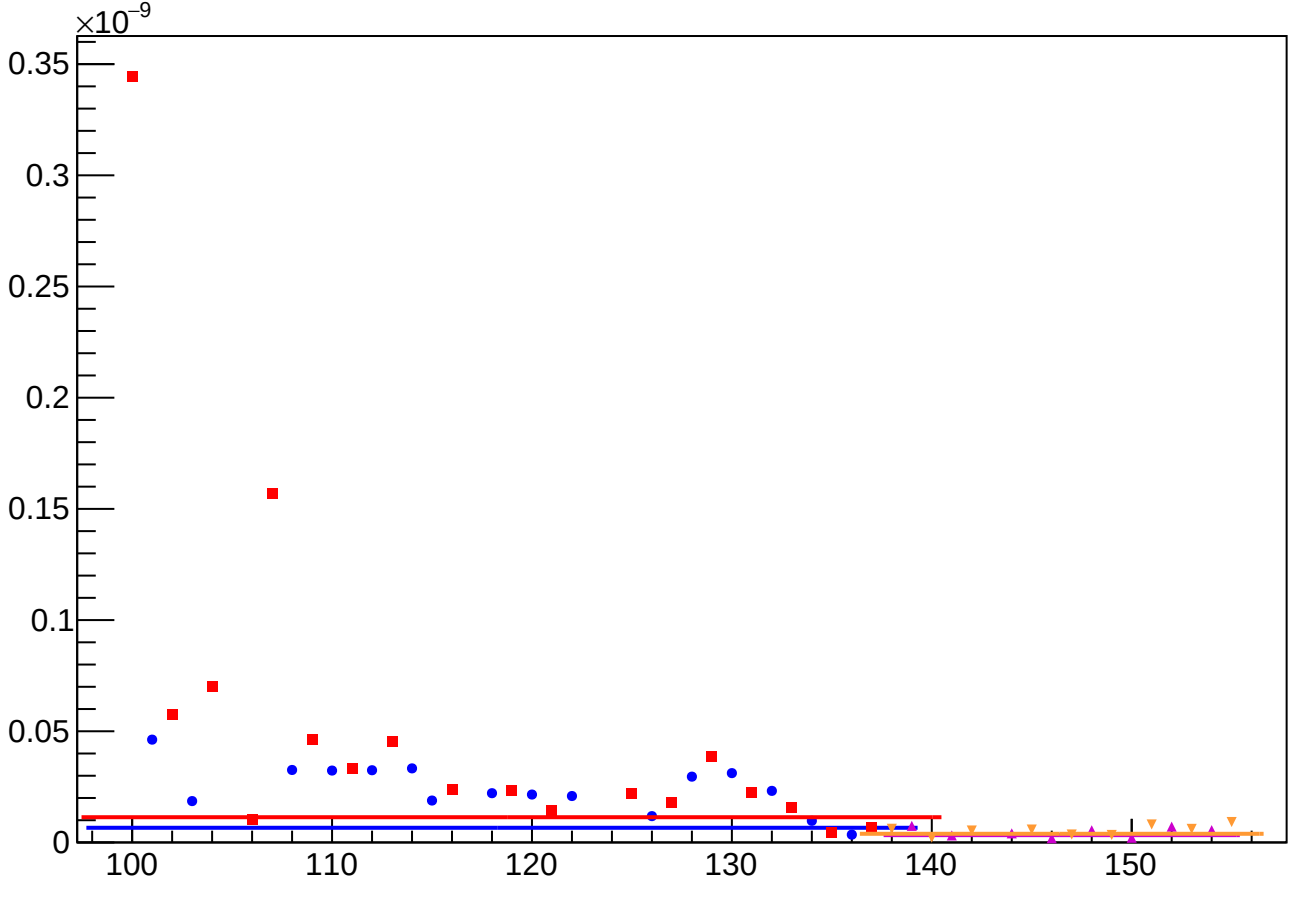
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:8.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/24

All: 0.000+/-0.000 χ^2/NDF: 53.8/50

- sign 0.000+/-0.000 χ^2/NDF: 27.5/25



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1075414.9/8

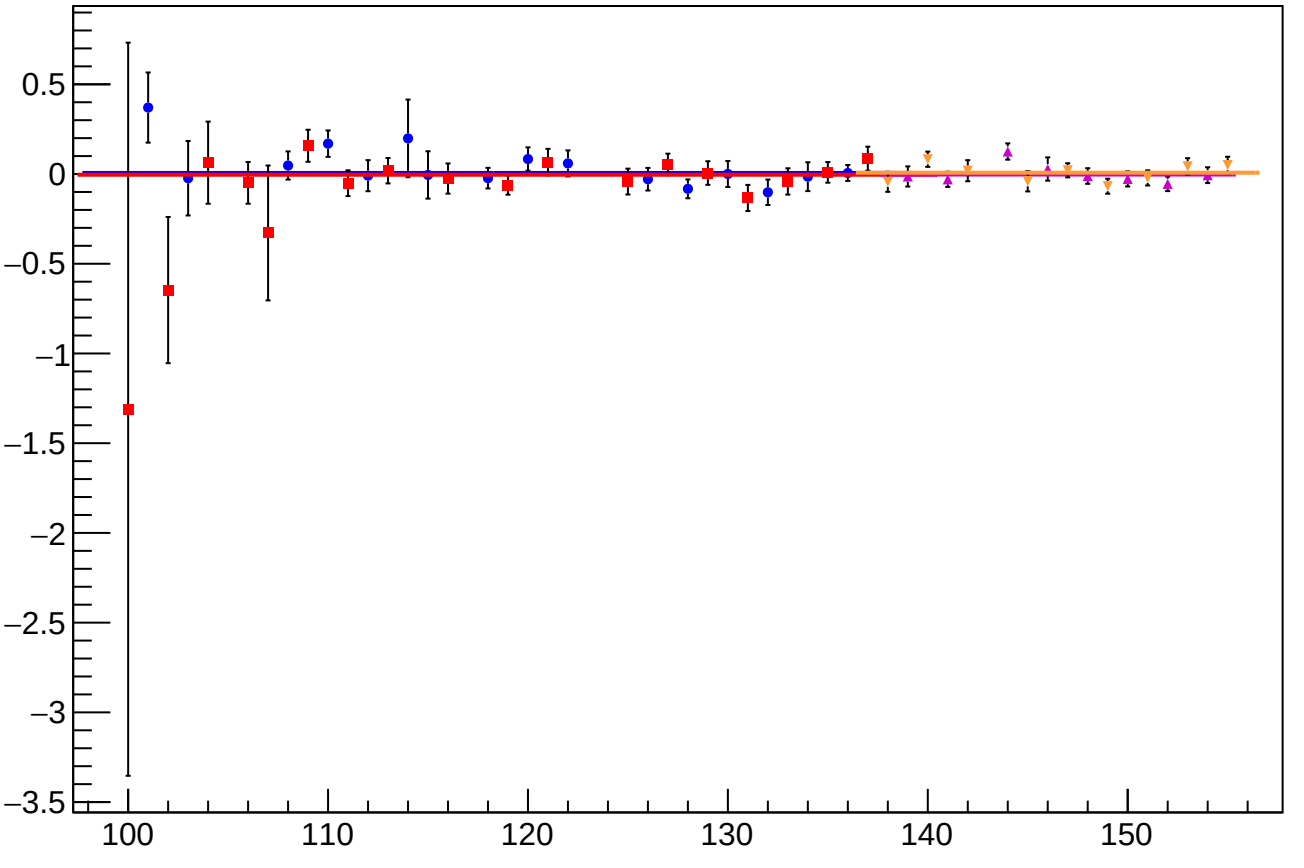
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:876851.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 4245887.8/24

All: 0.000+/-0.000 χ^2/NDF: 9142222.0/50

- sign 0.000+/-0.000 χ^2/NDF: 4852507.0/25



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.007+/-0.015 χ^2/NDF:10.0/8

Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

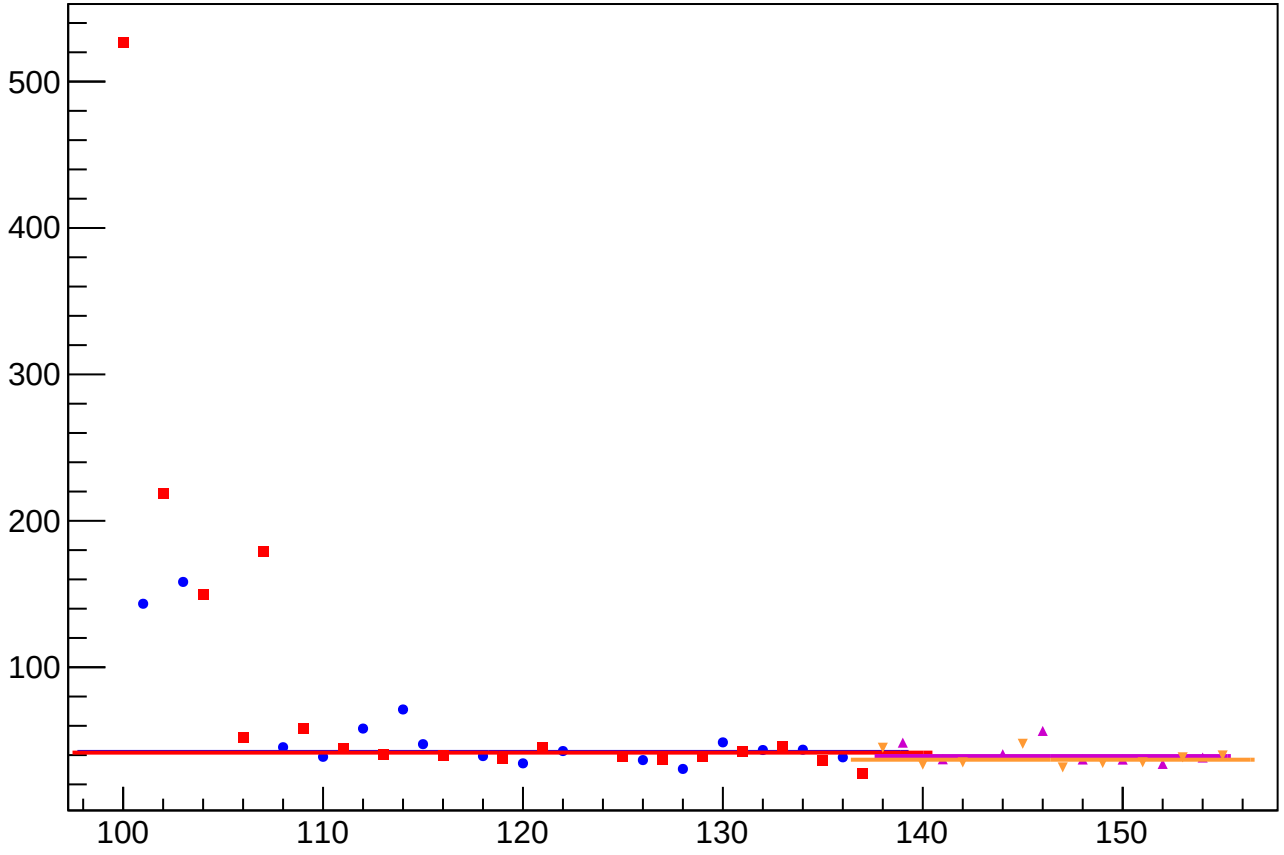
Left In: -0.003+/-0.016 χ^2/NDF:10.7/7

+ sign 0.007+/-0.012 χ^2/NDF: 27.2/24

All: 0.002+/-0.008 χ^2/NDF: 54.5/50

- sign -0.003+/-0.012 χ^2/NDF: 26.9/25

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.858+/-0.011 χ^2/NDF:186643.5/8

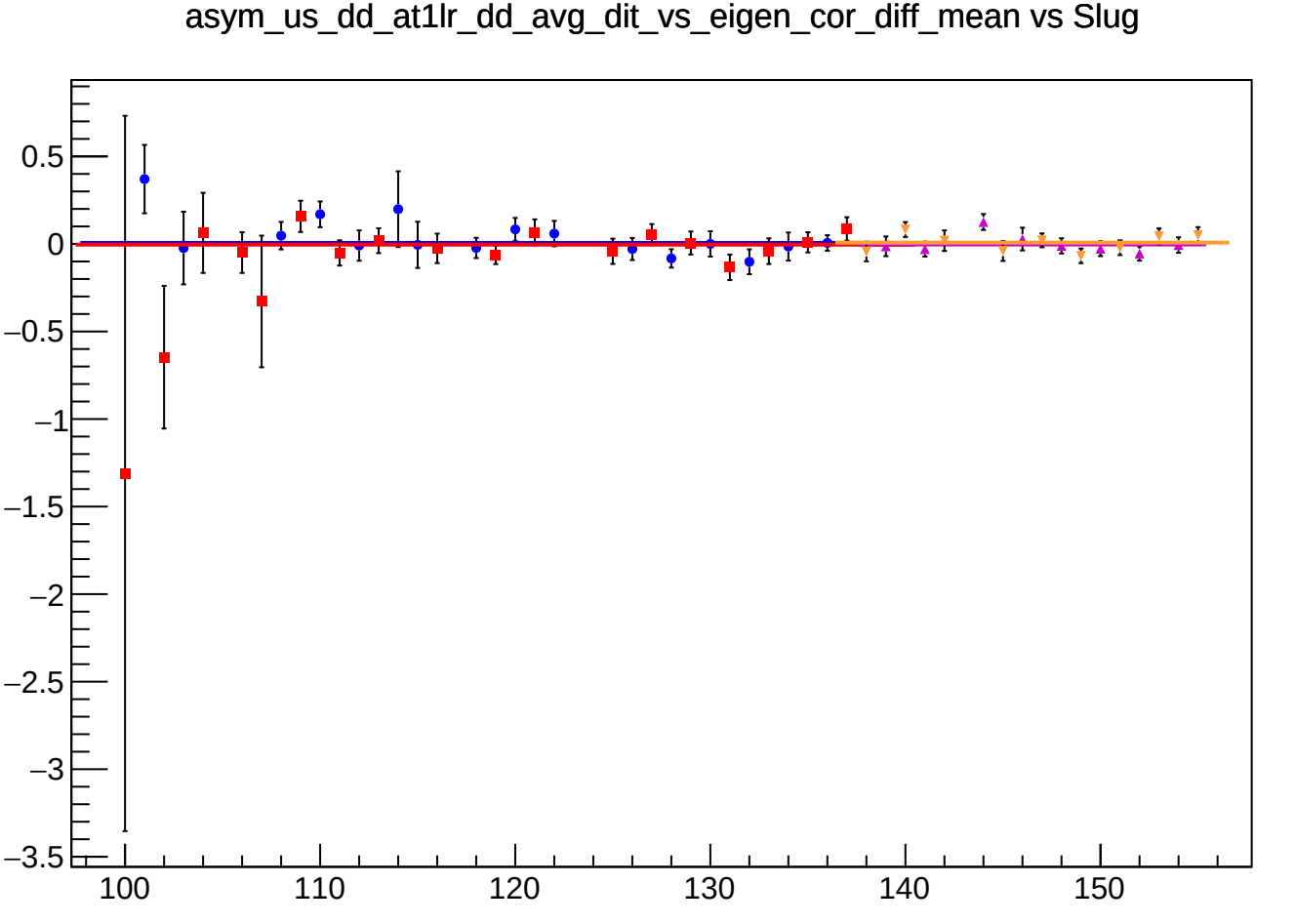
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.345+/-0.011 χ^2/NDF:248305.6/7

\+ sign 39.067+/-0.008 χ^2/NDF: 1739688.7/24

All: 39.689+/-0.006 χ^2/NDF: 3458905.2/50

\- sign 40.359+/-0.009 χ^2/NDF: 1707618.6/25



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.007+/-0.015 χ^2/NDF:10.0/8

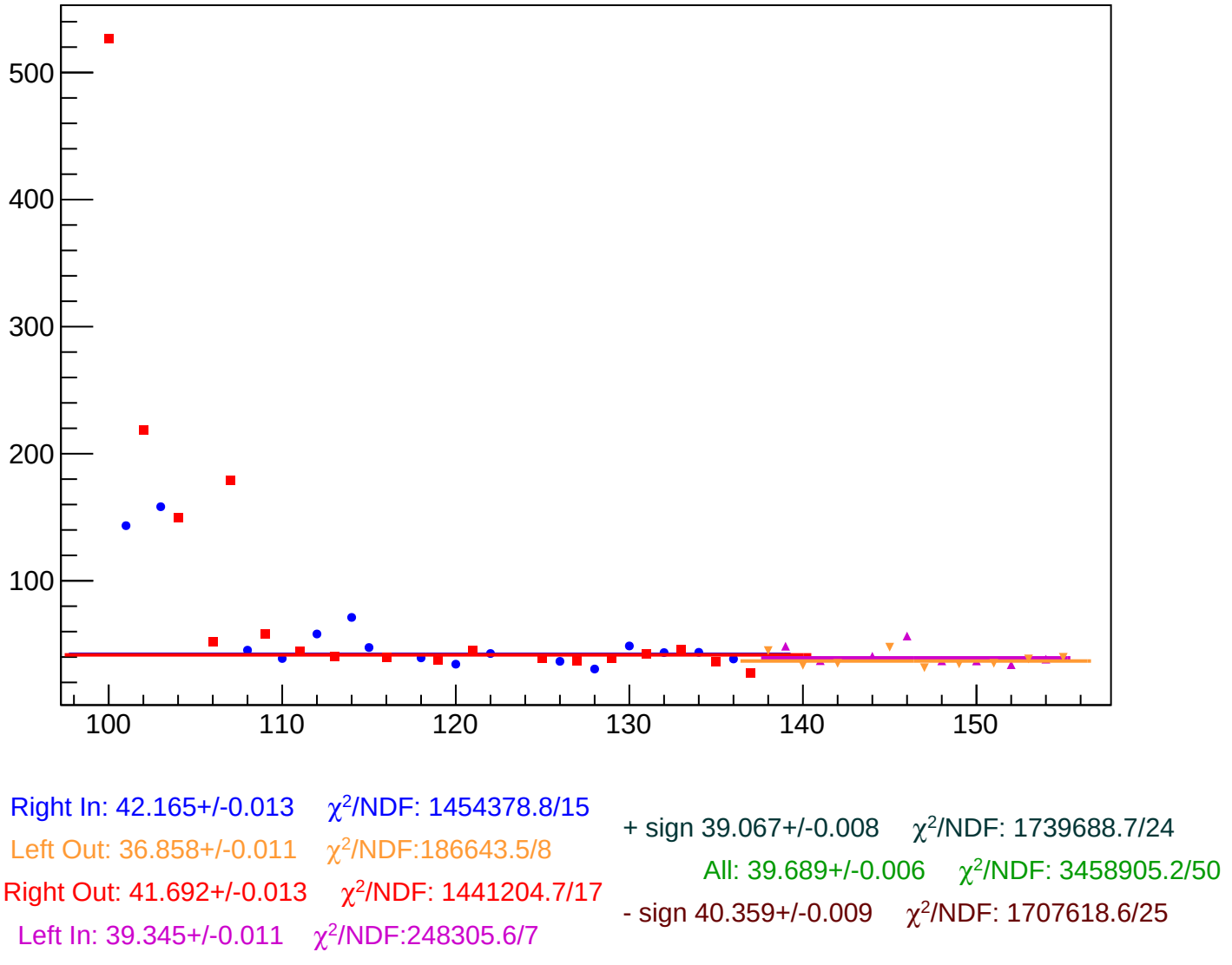
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

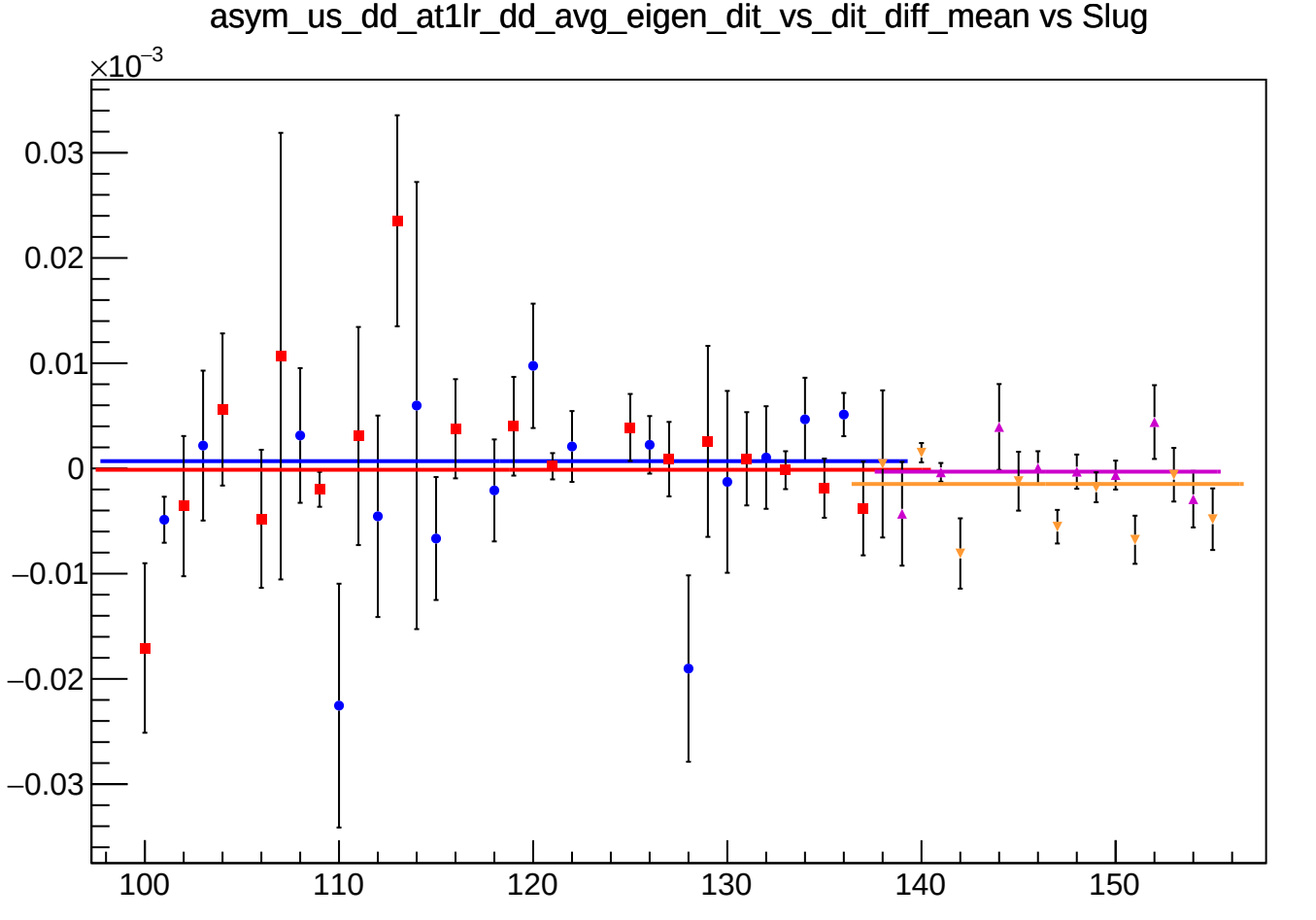
Left In: -0.003+/-0.016 χ^2/NDF:10.7/7

+ sign 0.007+/-0.012 χ^2/NDF: 27.2/24

All: 0.002+/-0.008 χ^2/NDF: 54.5/50

- sign -0.003+/-0.012 χ^2/NDF: 26.9/25


asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
Right In: 42.165+/-0.013 χ²/NDF: 1454378.8/15
Left Out: 36.858+/-0.011 χ²/NDF:186643.5/8
Right Out: 41.692+/-0.013 χ²/NDF: 1441204.7/17
Left In: 39.345+/-0.011 χ²/NDF:248305.6/7
+ sign 39.067+/-0.008 χ²/NDF: 1739688.7/24
All: 39.689+/-0.006 χ²/NDF: 3458905.2/50
- sign 40.359+/-0.009 χ²/NDF: 1707618.6/25



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/8

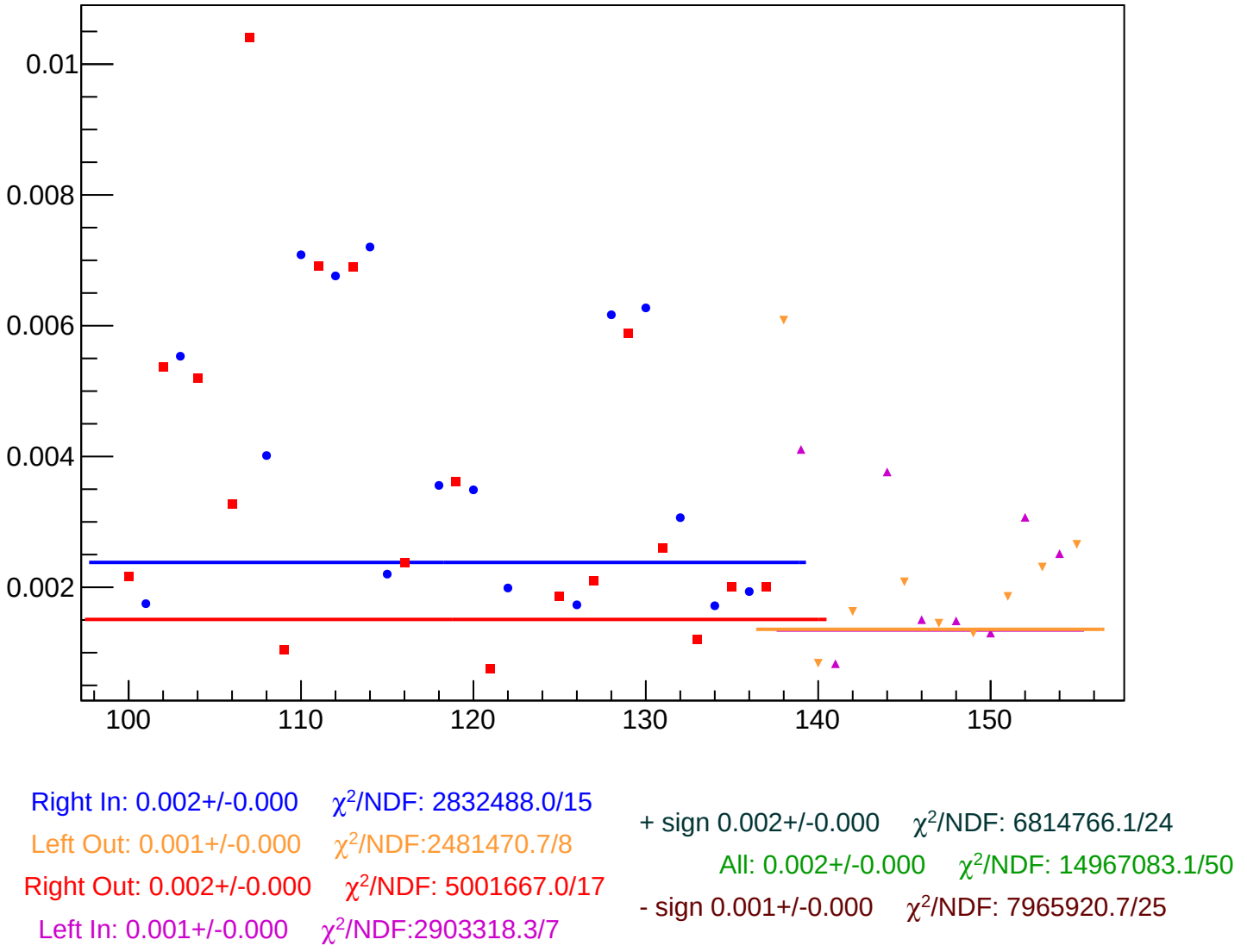
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

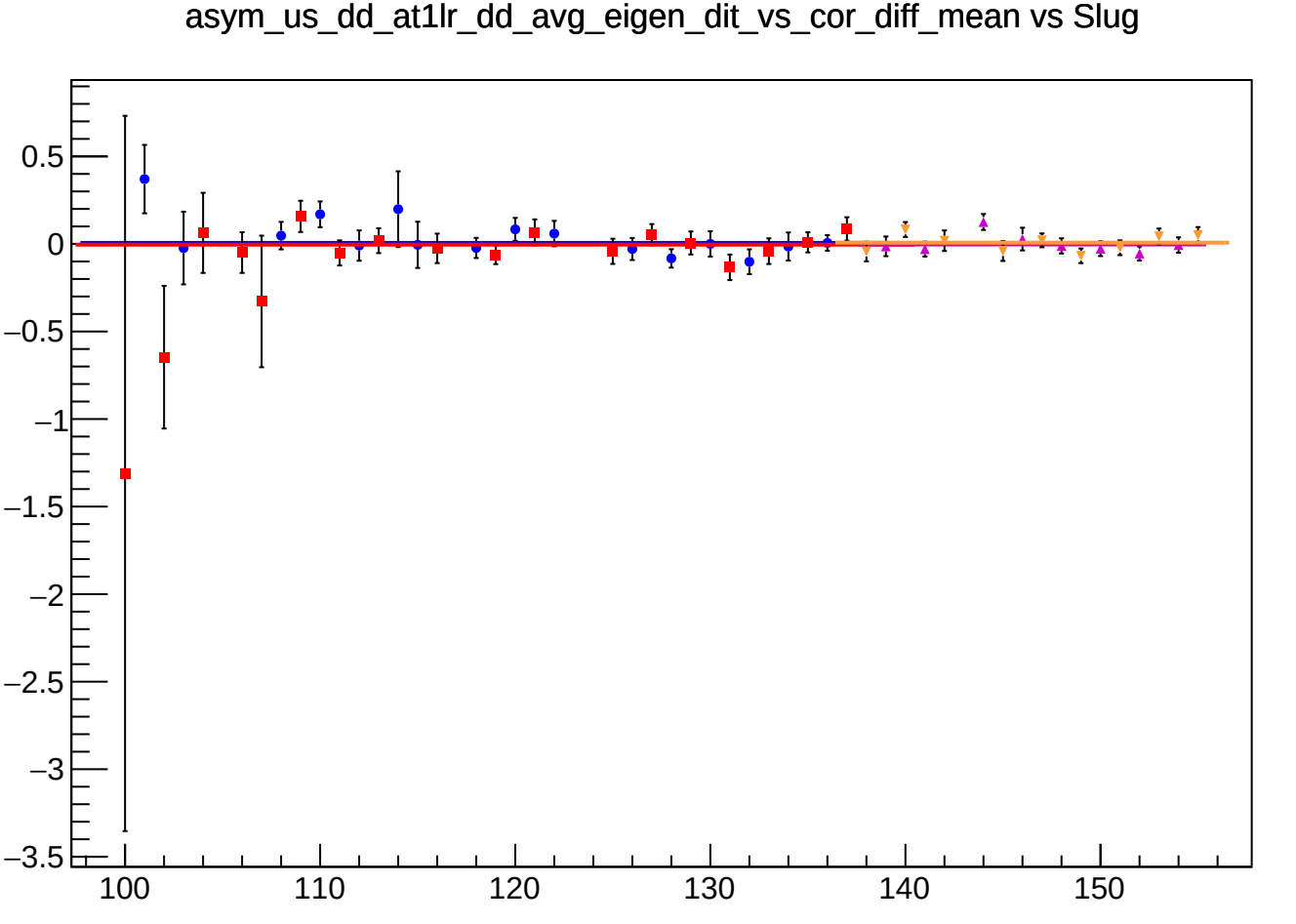
Left In: -0.000+/-0.000 χ^2/NDF:4.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/24

All: -0.000+/-0.000 χ^2/NDF: 80.7/50

- sign -0.000+/-0.000 χ^2/NDF: 22.1/25


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
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:2481470.7/8
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:2903318.3/7
+ sign 0.002+/-0.000 χ²/NDF: 6814766.1/24
All: 0.002+/-0.000 χ²/NDF: 14967083.1/50
- sign 0.001+/-0.000 χ²/NDF: 7965920.7/25



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.007+/-0.015 χ^2/NDF:10.0/8

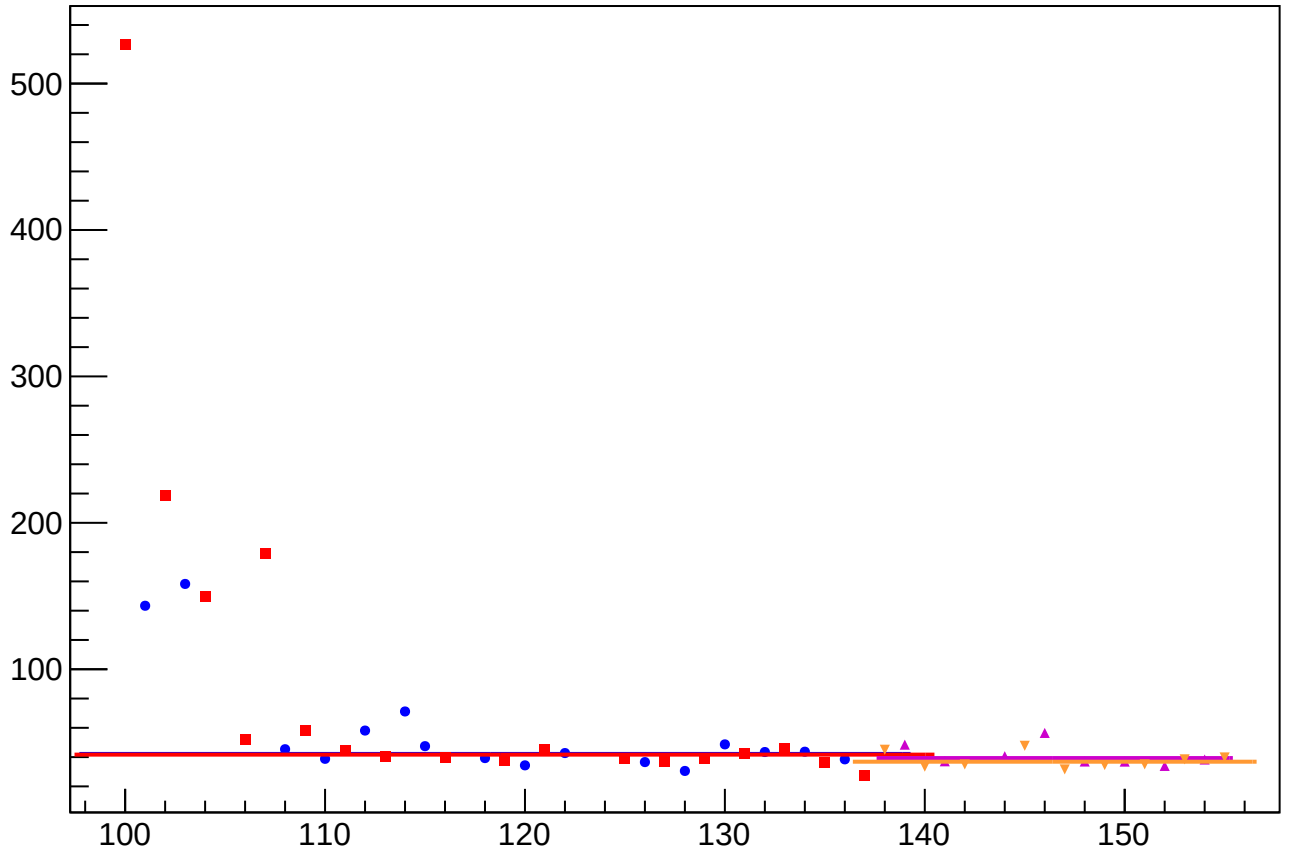
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.003+/-0.016 χ^2/NDF:10.7/7

+ sign 0.007+/-0.012 χ^2/NDF: 27.2/24

All: 0.002+/-0.008 χ^2/NDF: 54.5/50

- sign -0.003+/-0.012 χ^2/NDF: 26.9/25



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 36.858+/-0.011 χ^2/NDF:186615.5/8

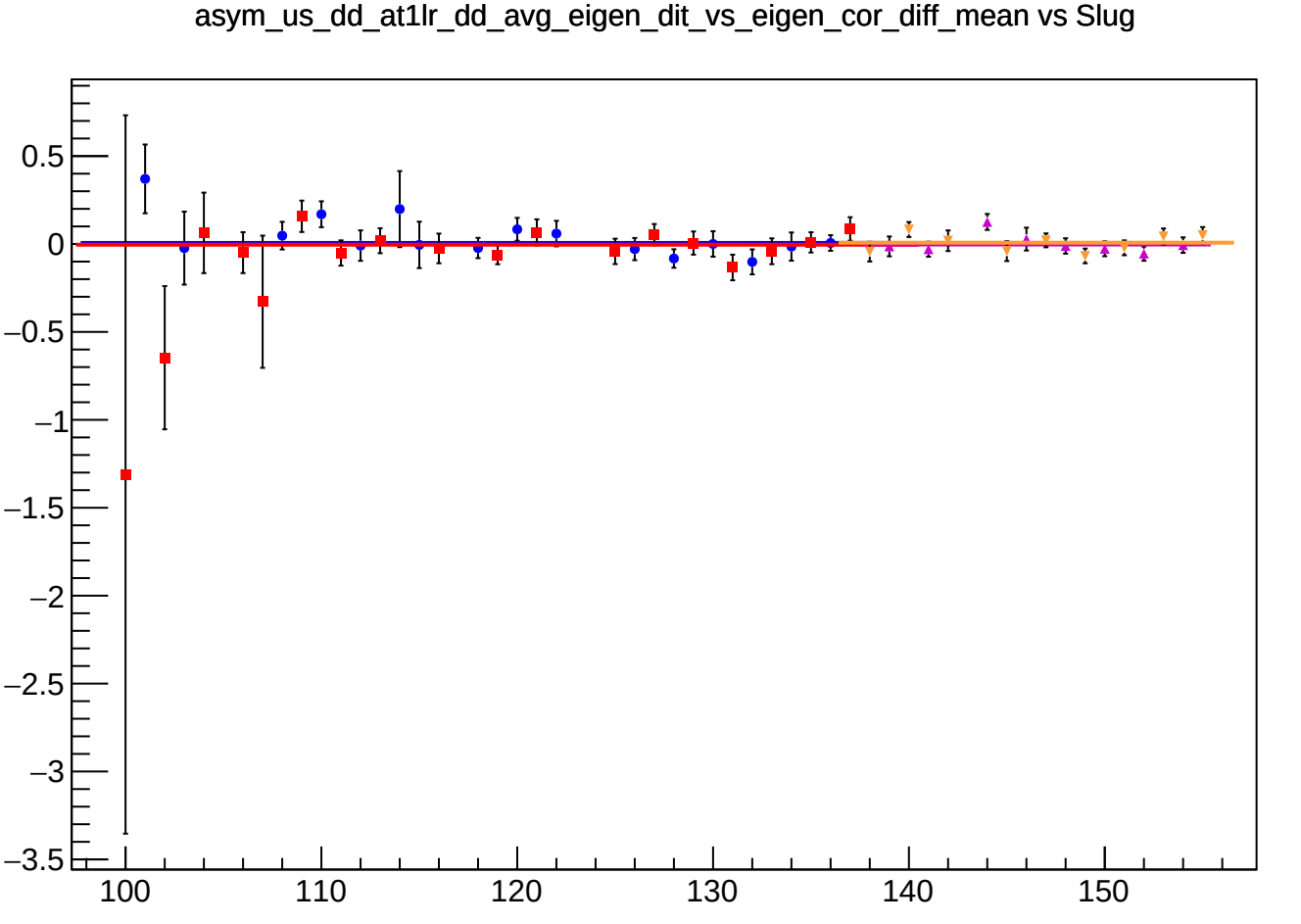
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.345+/-0.011 χ^2/NDF:248337.1/7

\+ sign 39.066+/-0.008 χ^2/NDF: 1739779.2/24

All: 39.689+/-0.006 χ^2/NDF: 3459033.4/50

\- sign 40.359+/-0.009 χ^2/NDF: 1707640.2/25



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.007+/-0.015 χ^2/NDF:10.0/8

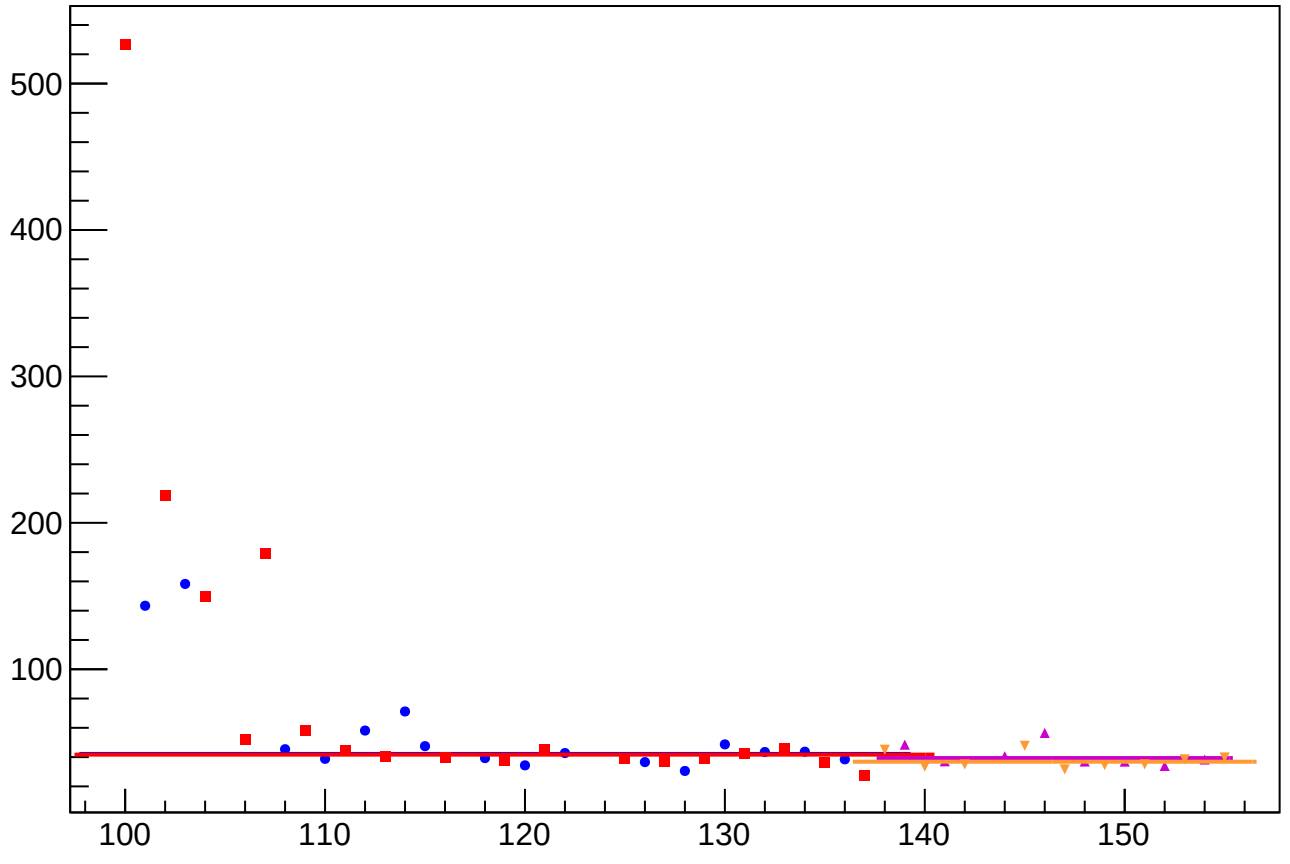
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.003+/-0.016 χ^2/NDF:10.7/7

+ sign 0.007+/-0.012 χ^2/NDF: 27.2/24

All: 0.002+/-0.008 χ^2/NDF: 54.5/50

- sign -0.003+/-0.012 χ^2/NDF: 26.9/25



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 36.858+/-0.011 χ^2/NDF:186615.5/8

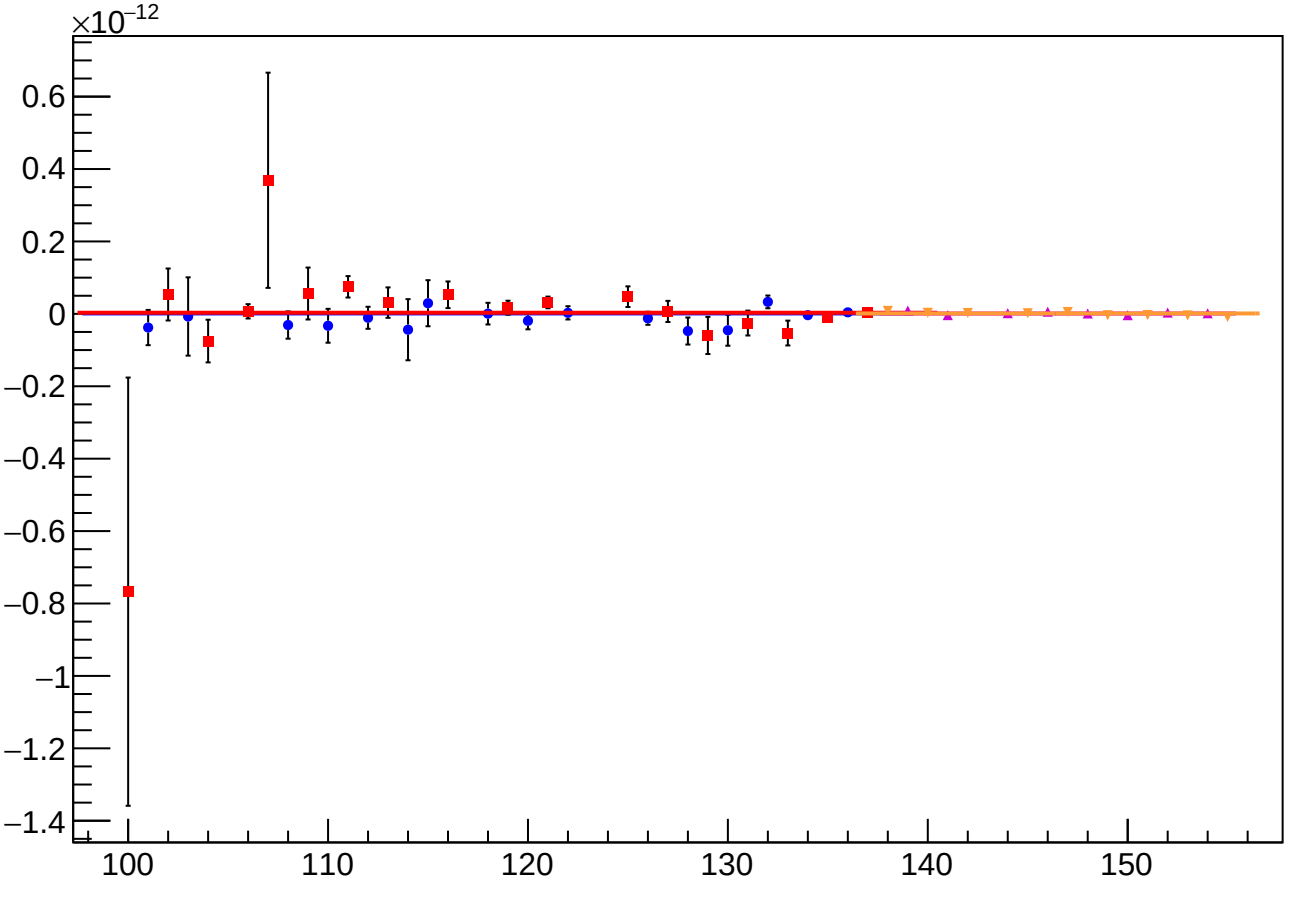
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.345+/-0.011 χ^2/NDF:248337.1/7

\+ sign 39.066+/-0.008 χ^2/NDF: 1739779.2/24

All: 39.689+/-0.006 χ^2/NDF: 3459033.4/50

\- sign 40.359+/-0.009 χ^2/NDF: 1707640.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/8

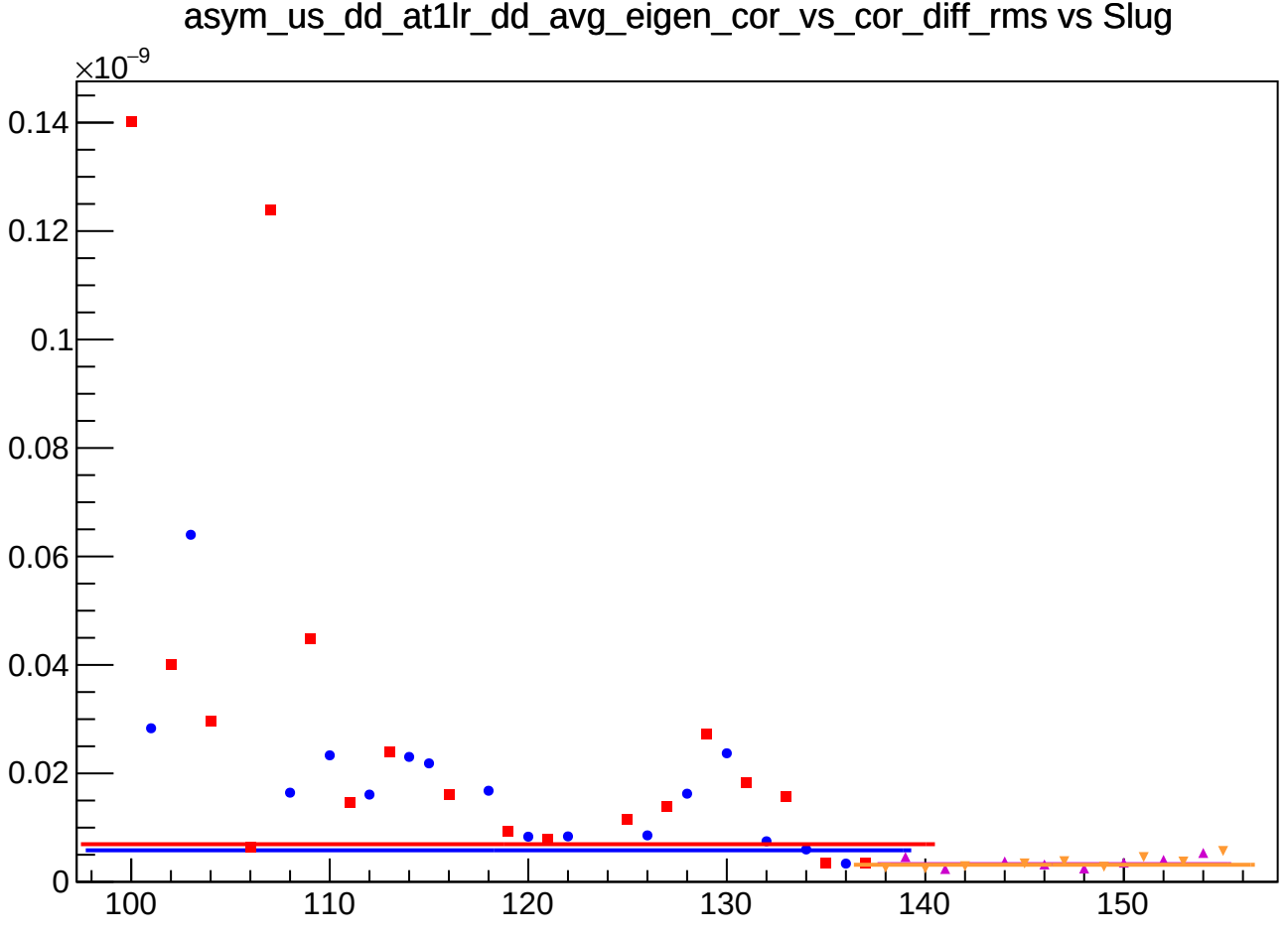
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:5.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 17.7/24

All: 0.000+/-0.000 χ^2/NDF: 52.0/50

- sign 0.000+/-0.000 χ^2/NDF: 34.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:454501.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

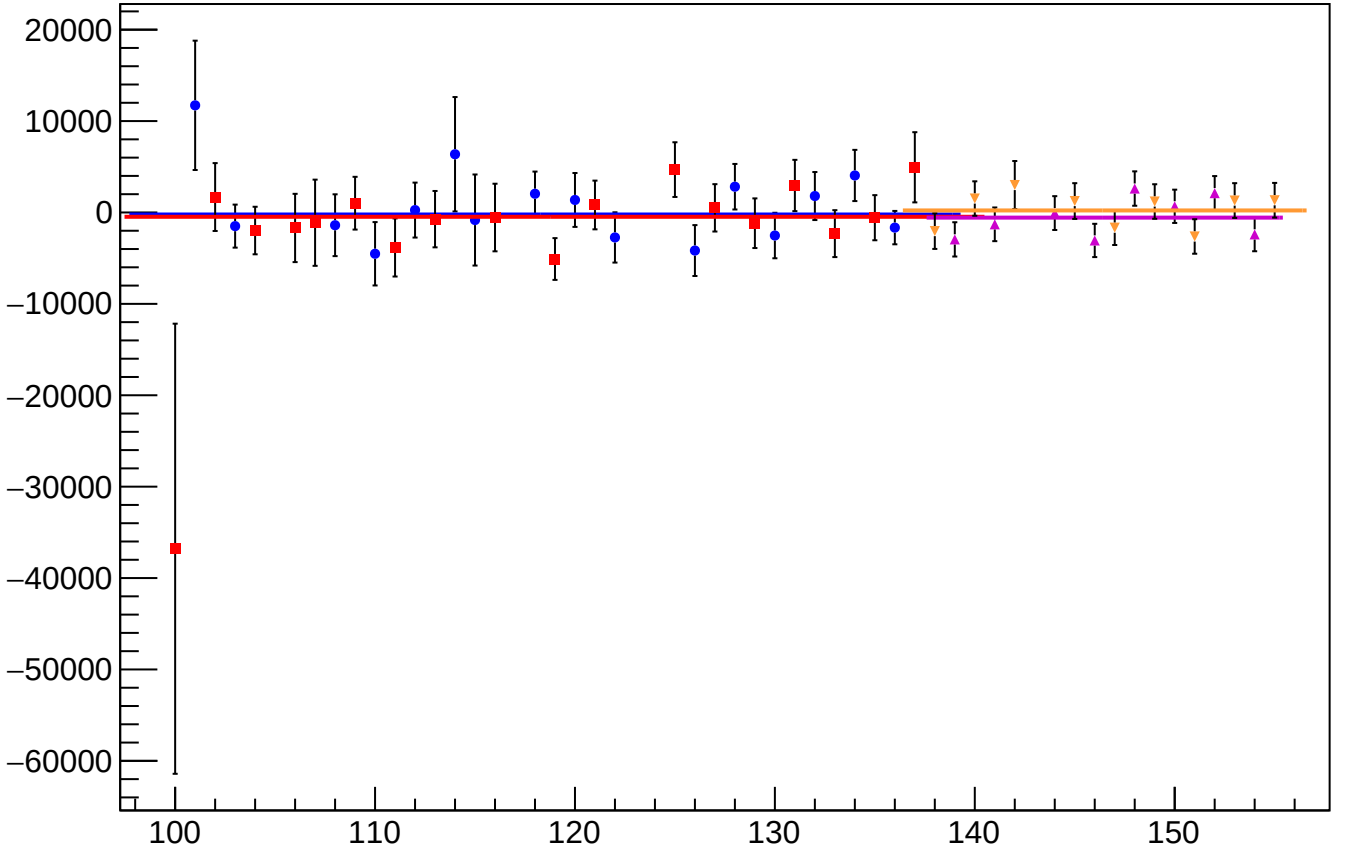
Left In: 0.000+/-0.000 χ^2/NDF:506336.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 4536407.1/24

All: 0.000+/-0.000 χ^2/NDF: 9901909.7/50

- sign 0.000+/-0.000 χ^2/NDF: 5357342.1/25

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 221.373+/-653.159 χ^2/NDF:7.4/8

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

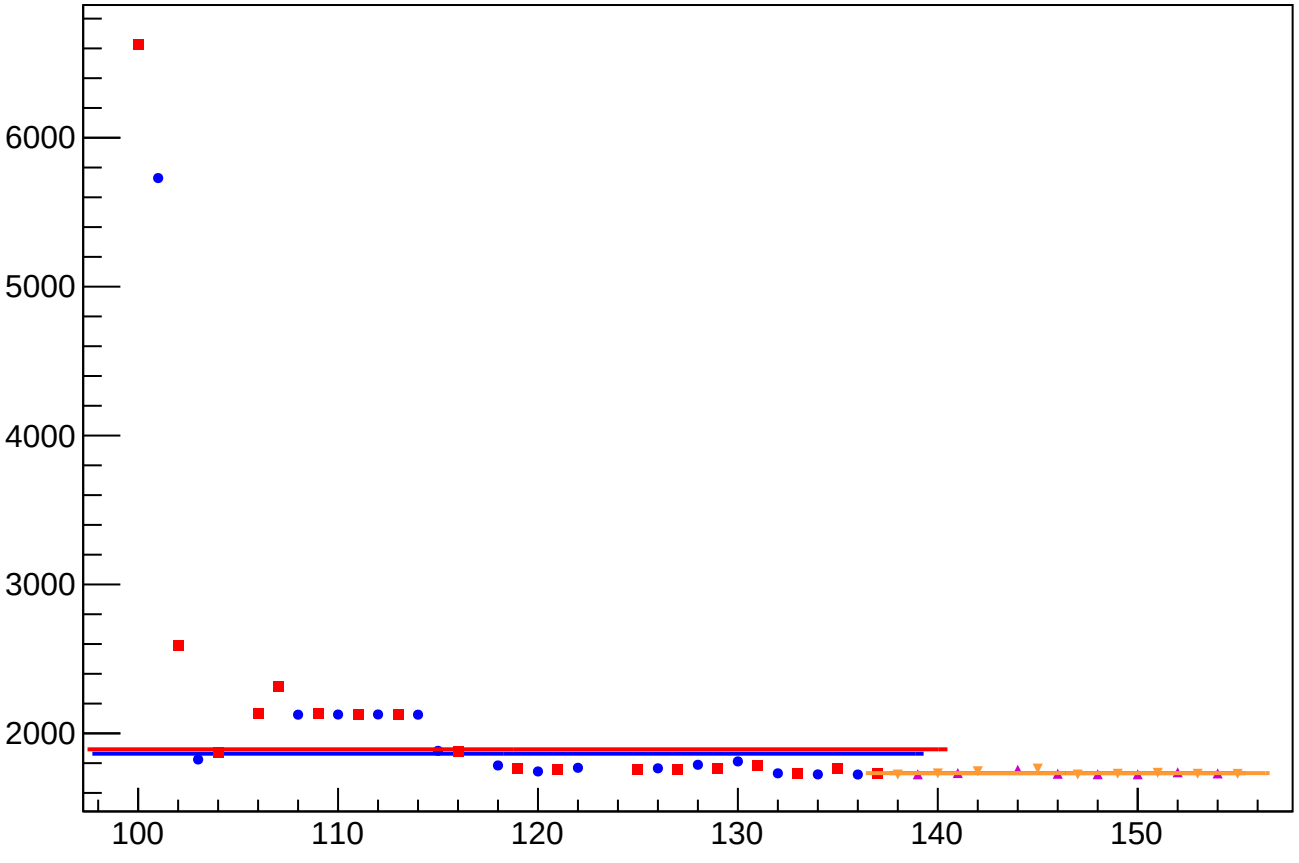
Left In: -564.644+/-654.041 χ^2/NDF:10.1/7

+ sign 17.429+/-480.430 χ^2/NDF: 23.5/24

All: -251.883+/-340.094 χ^2/NDF: 50.1/50

- sign -522.400+/-481.503 χ^2/NDF: 26.0/25

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1732.967+/-0.462 χ^2/NDF:664.9/8

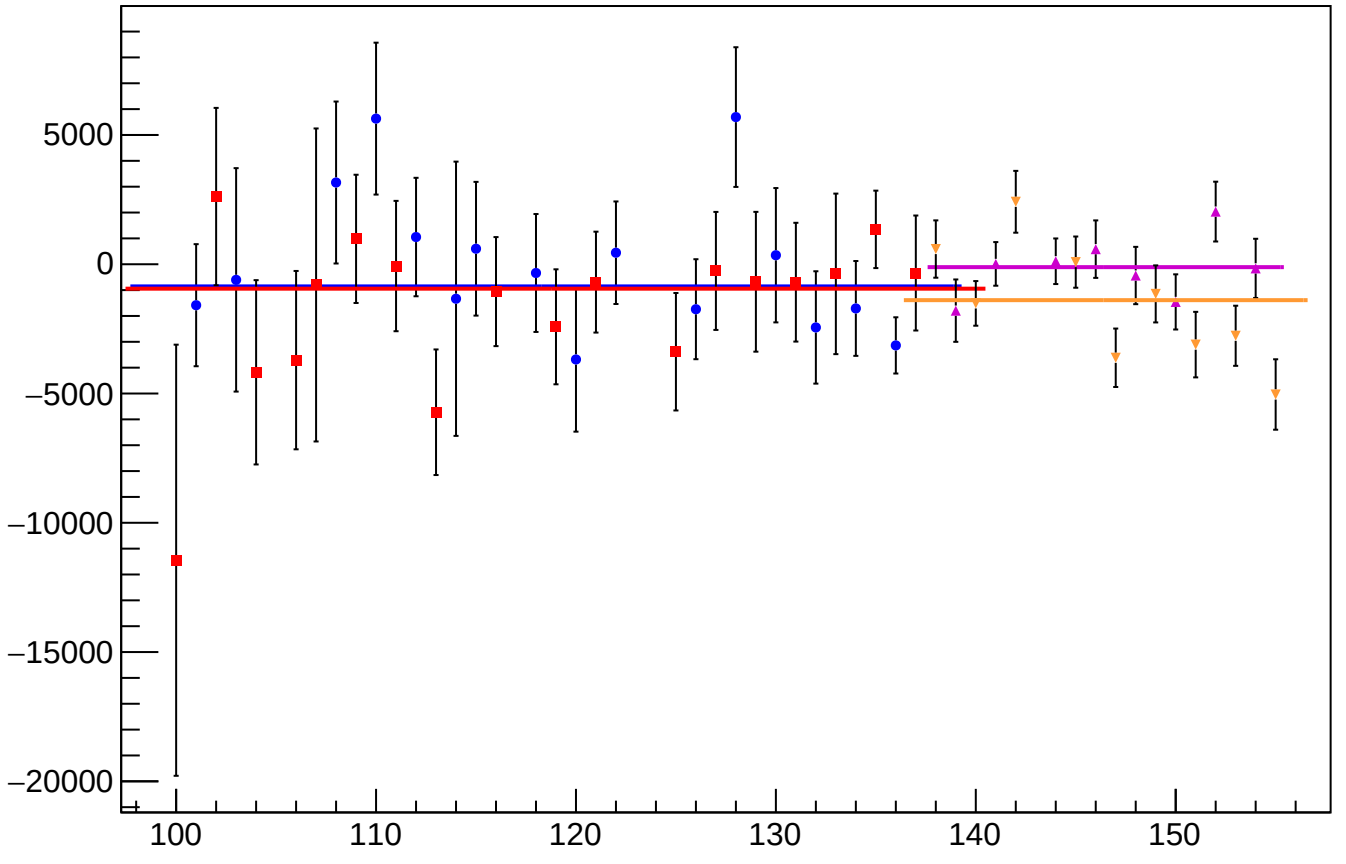
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.065+/-0.462 χ^2/NDF:437.8/7

+ sign 1792.915+/-0.340 χ^2/NDF: 712037.8/24

All: 1799.570+/-0.240 χ^2/NDF: 1019441.6/50

- sign 1806.256+/-0.340 χ^2/NDF: 306634.5/25



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1389.009+/-368.112 χ^2/NDF:29.9/8

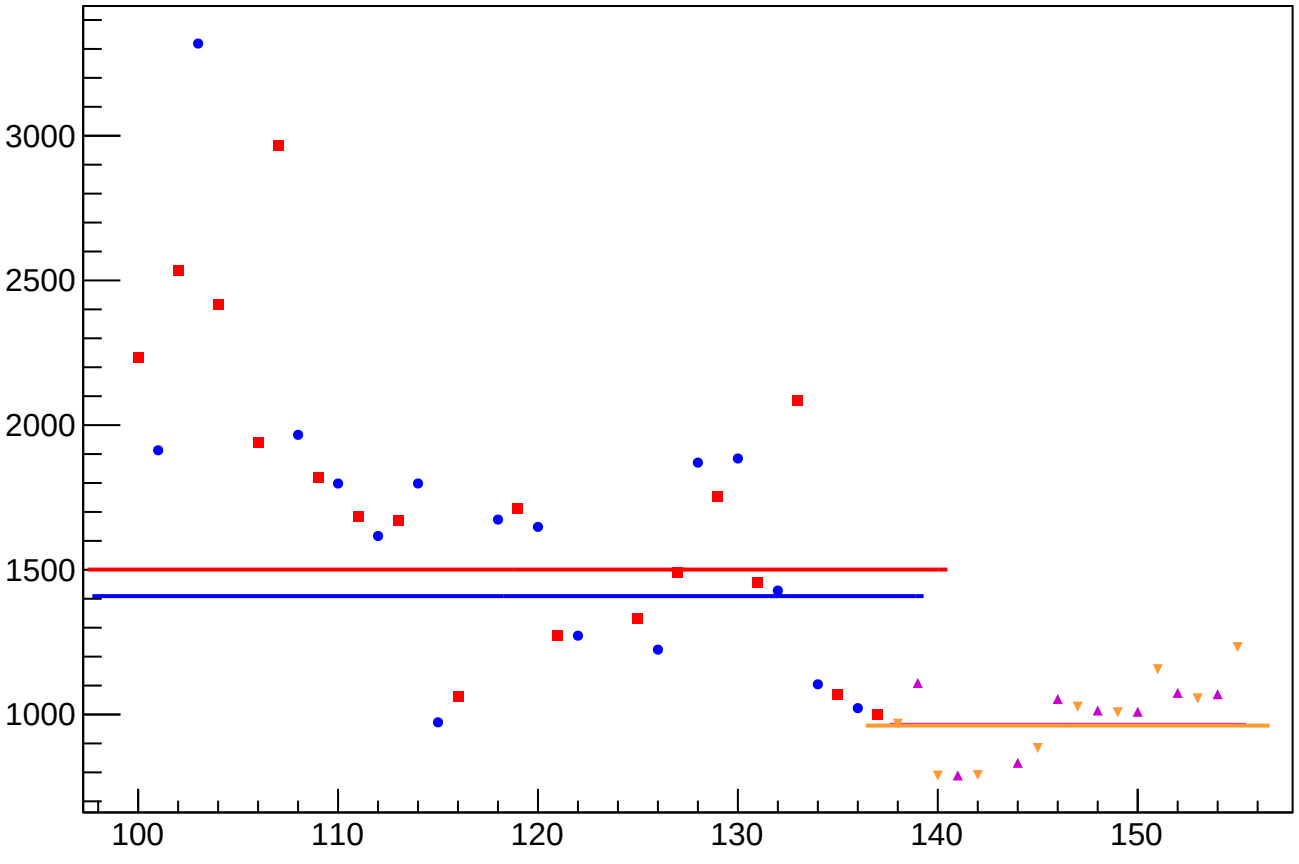
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -111.976+/-367.843 χ^2/NDF:7.6/7

+ sign -1224.425+/-305.880 χ^2/NDF: 51.1/24

All: -794.087+/-218.161 χ^2/NDF: 77.1/50

- sign -348.530+/-311.242 χ^2/NDF: 21.9/25



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 961.764+/-0.260 χ^2/NDF:282889.5/8

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

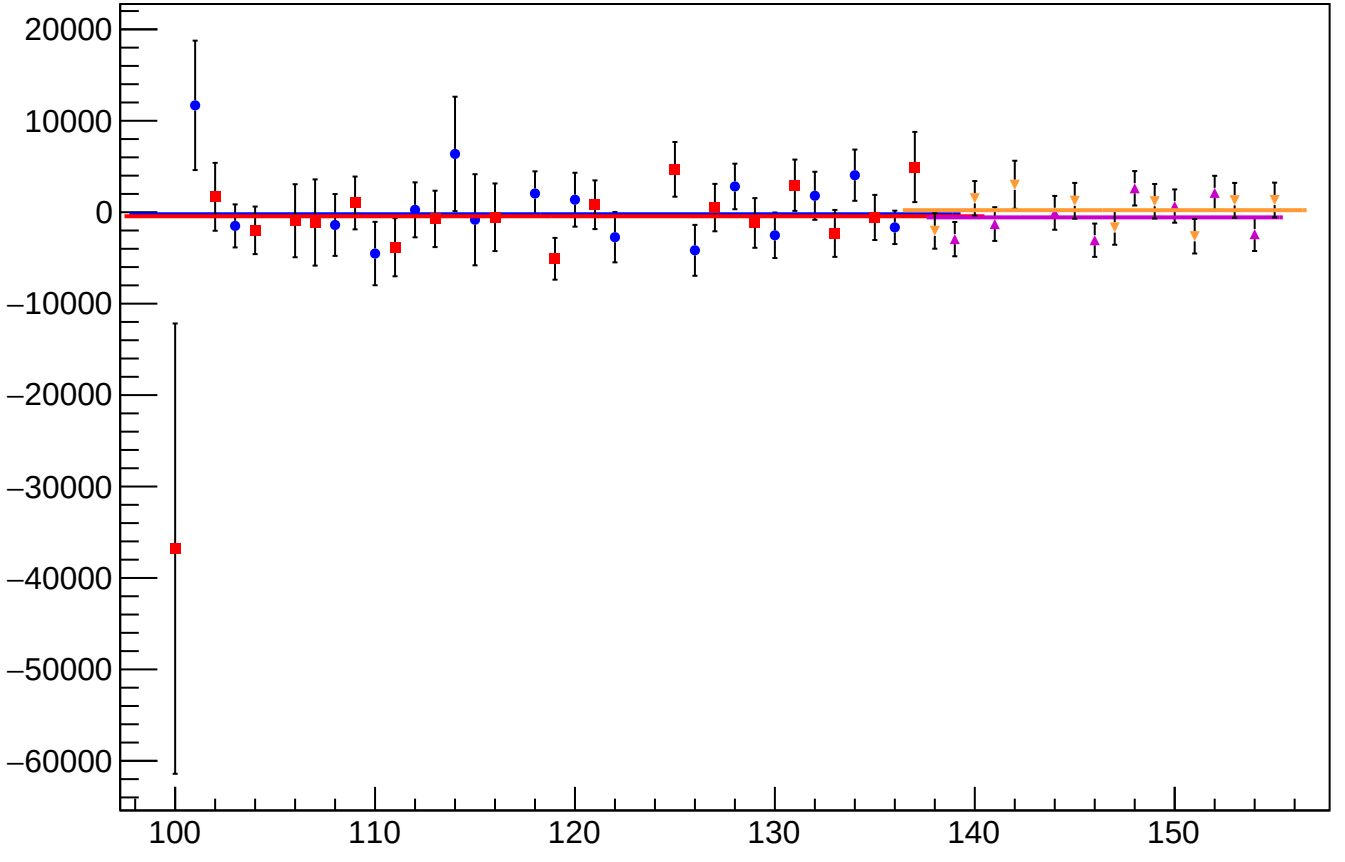
Left In: 964.454+/-0.260 χ^2/NDF:214806.4/7

\+ sign 1100.228+/-0.216 χ^2/NDF: 2364784.4/24

All: 1108.376+/-0.154 χ^2/NDF: 4821108.0/50

\- sign 1116.812+/-0.220 χ^2/NDF: 2453435.2/25

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 221.466+/-653.159 χ^2/NDF:7.4/8

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

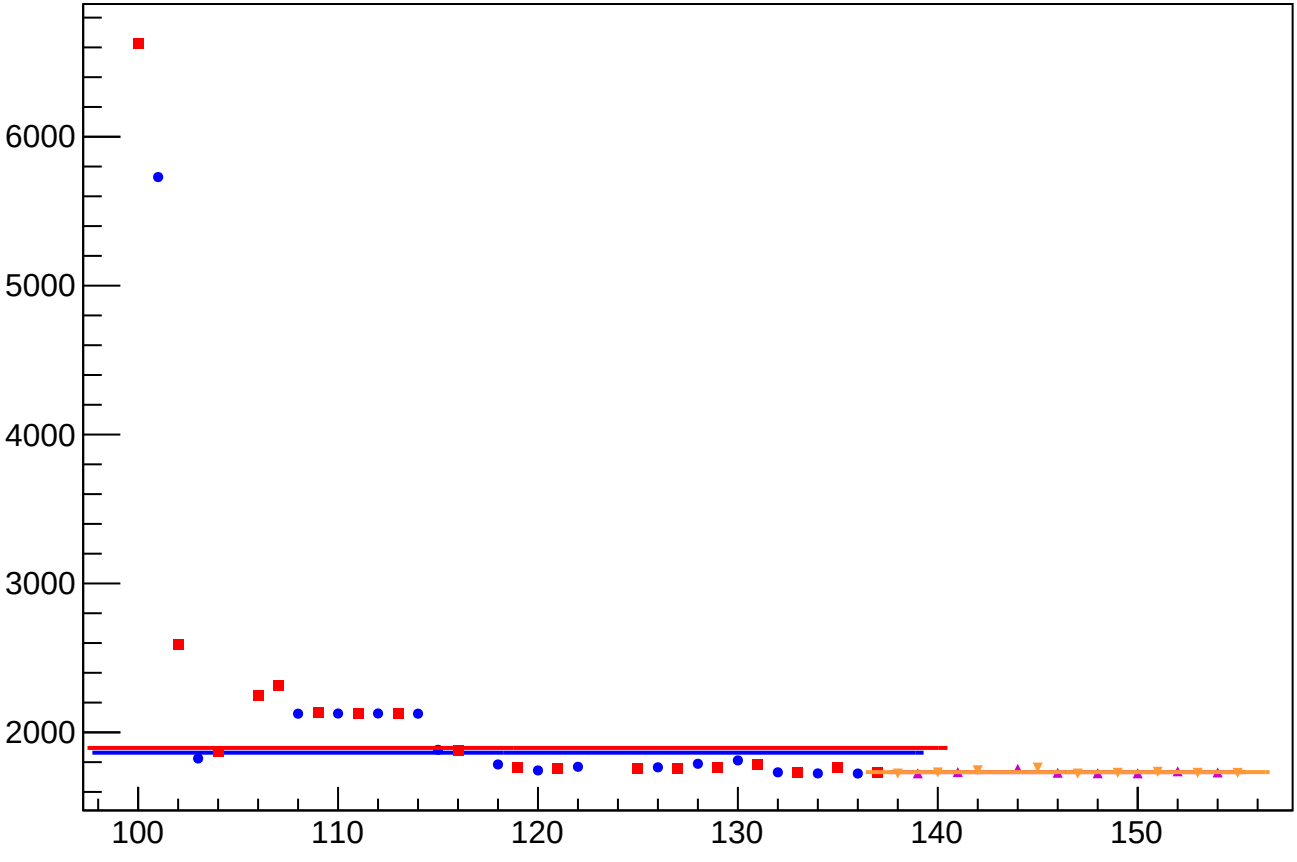
Left In: -564.629+/-654.041 χ^2/NDF:10.1/7

+ sign 17.124+/-480.430 χ^2/NDF: 23.4/24

All: -245.111+/-340.271 χ^2/NDF: 49.9/50

- sign -509.069+/-482.005 χ^2/NDF: 25.9/25

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1732.967+/-0.462 χ^2/NDF:664.9/8

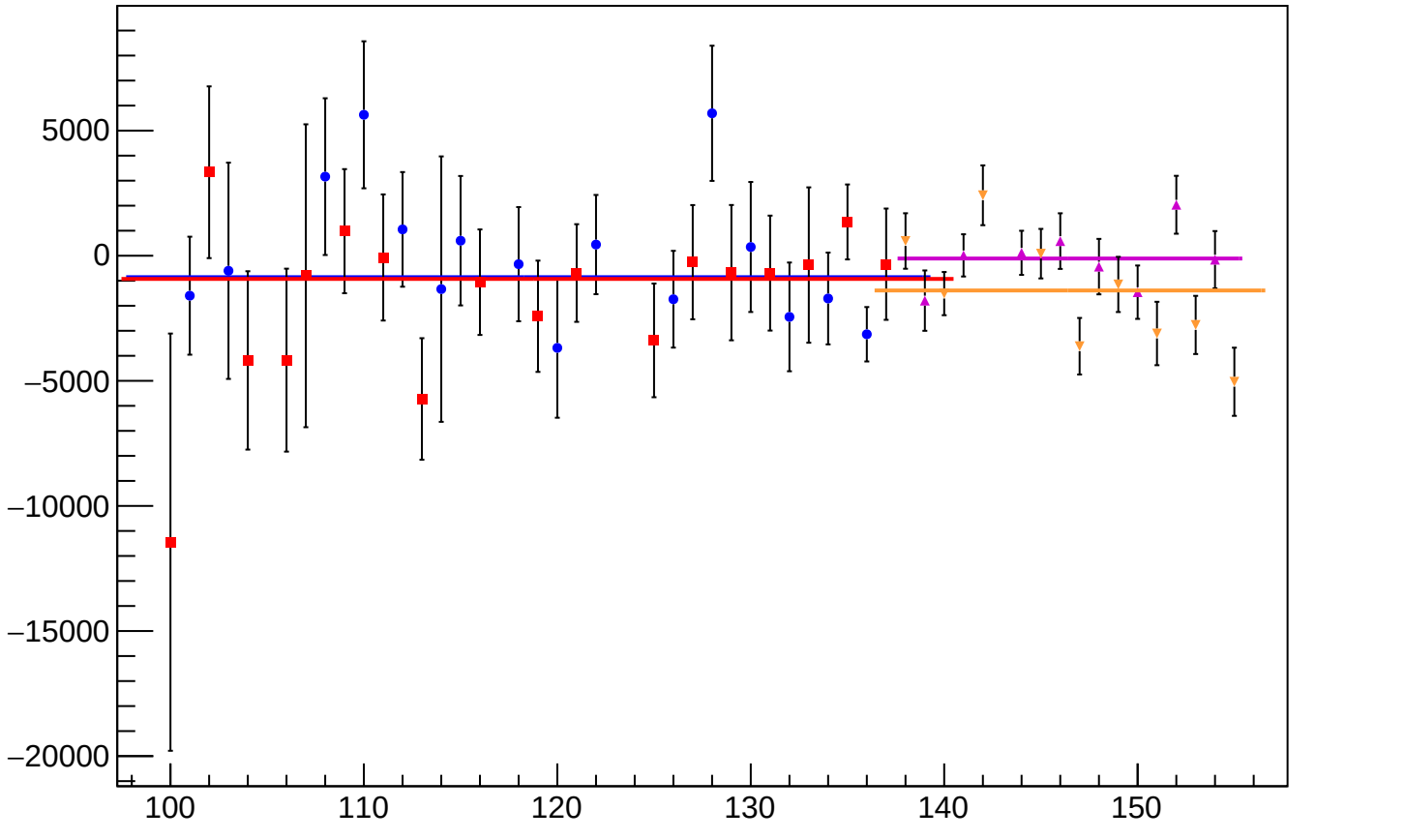
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.065+/-0.462 χ^2/NDF:437.8/7

+ sign 1792.915+/-0.340 χ^2/NDF: 712037.6/24

All: 1800.071+/-0.241 χ^2/NDF: 1028893.6/50

- sign 1807.275+/-0.341 χ^2/NDF: 315965.5/25



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1388.981+/-368.113 χ^2/NDF:29.9/8

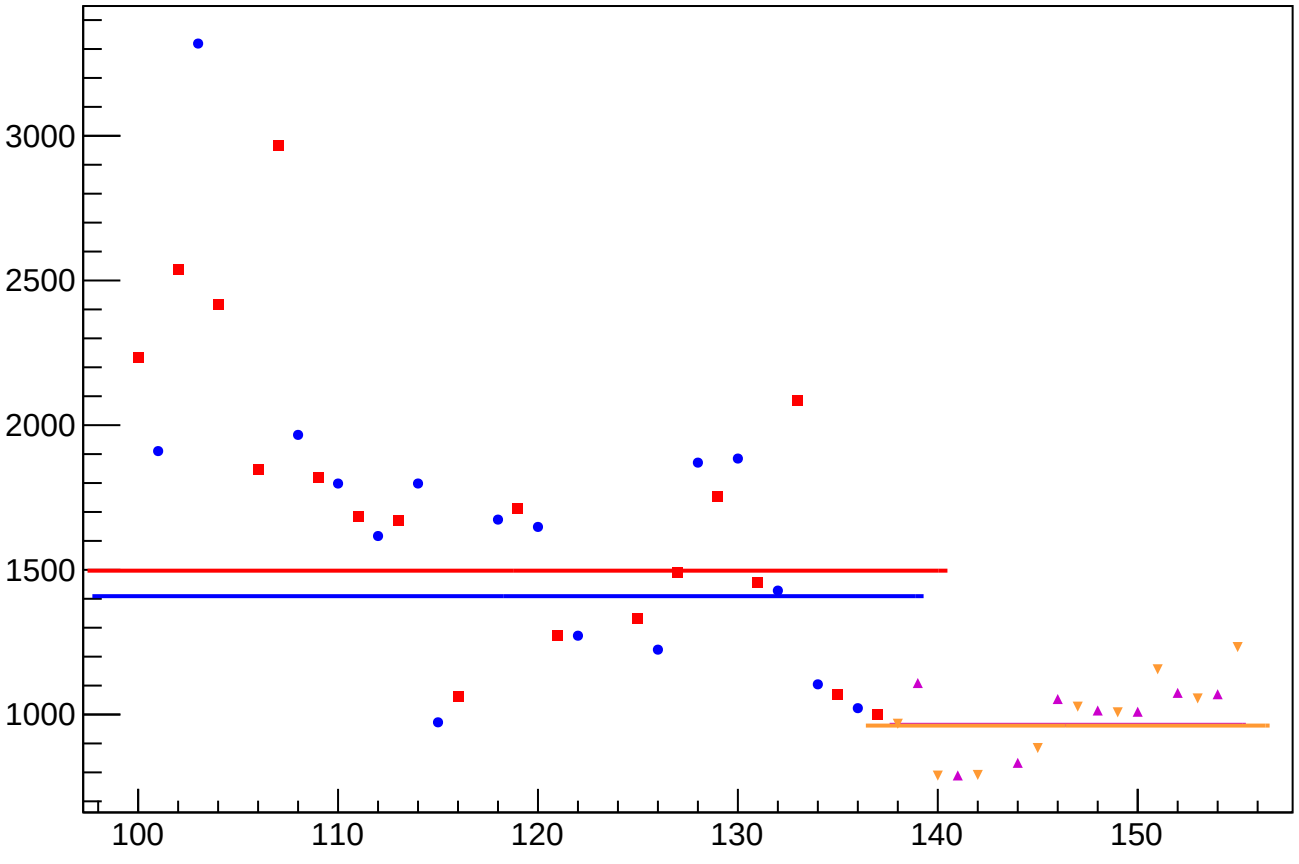
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -112.045+/-367.839 χ^2/NDF:7.6/7

+ sign -1224.642+/-305.873 χ^2/NDF: 51.1/24

All: -791.722+/-218.206 χ^2/NDF: 77.7/50

- sign -343.076+/-311.379 χ^2/NDF: 22.5/25



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 961.767+/-0.260 χ^2/NDF:282856.6/8

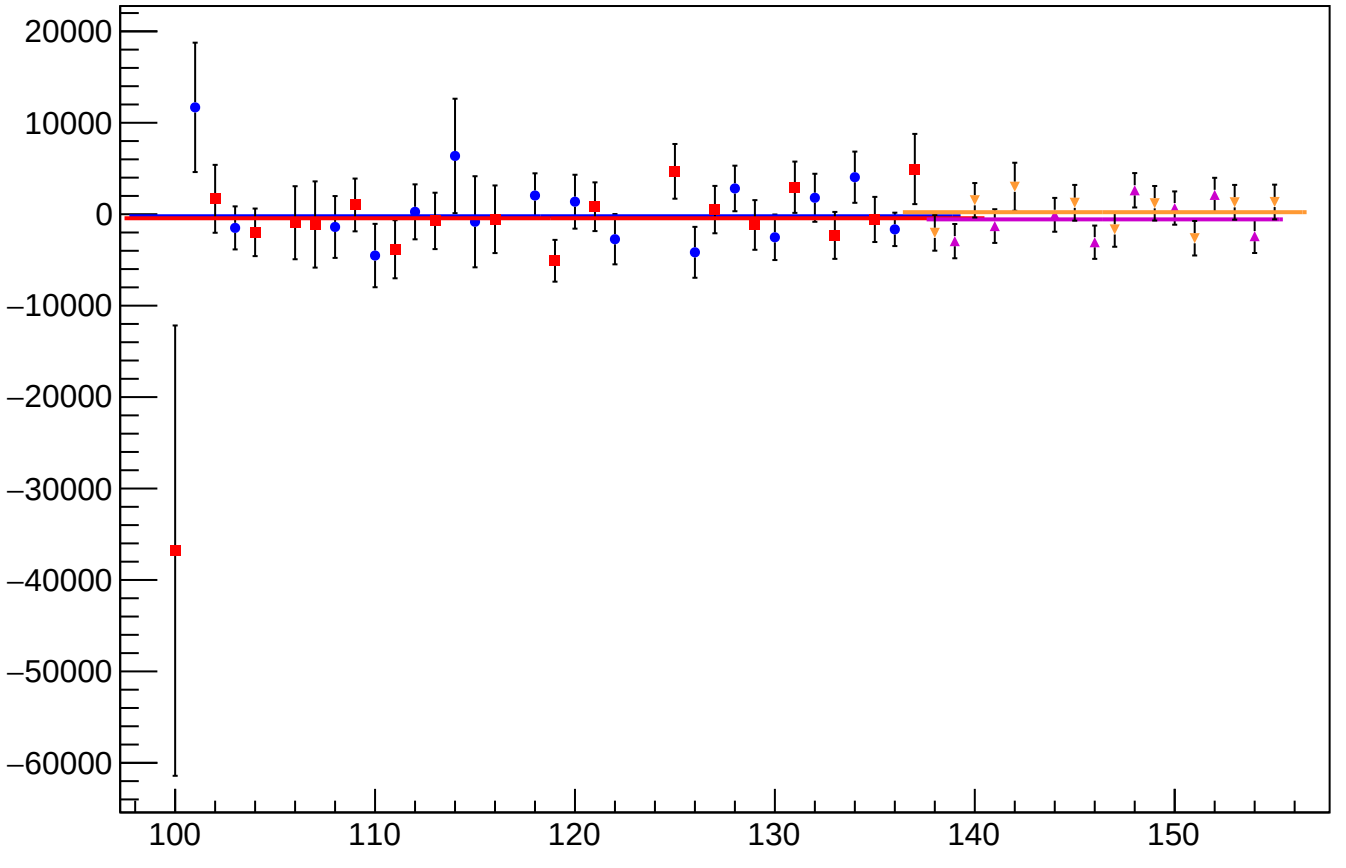
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 964.446+/-0.260 χ^2/NDF:214812.3/7

+ sign 1100.221+/-0.216 χ^2/NDF: 2363880.7/24

All: 1107.688+/-0.154 χ^2/NDF: 4788074.0/50

- sign 1115.426+/-0.220 χ^2/NDF: 2421766.4/25



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 221.466+/-653.159 χ^2/NDF:7.4/8

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

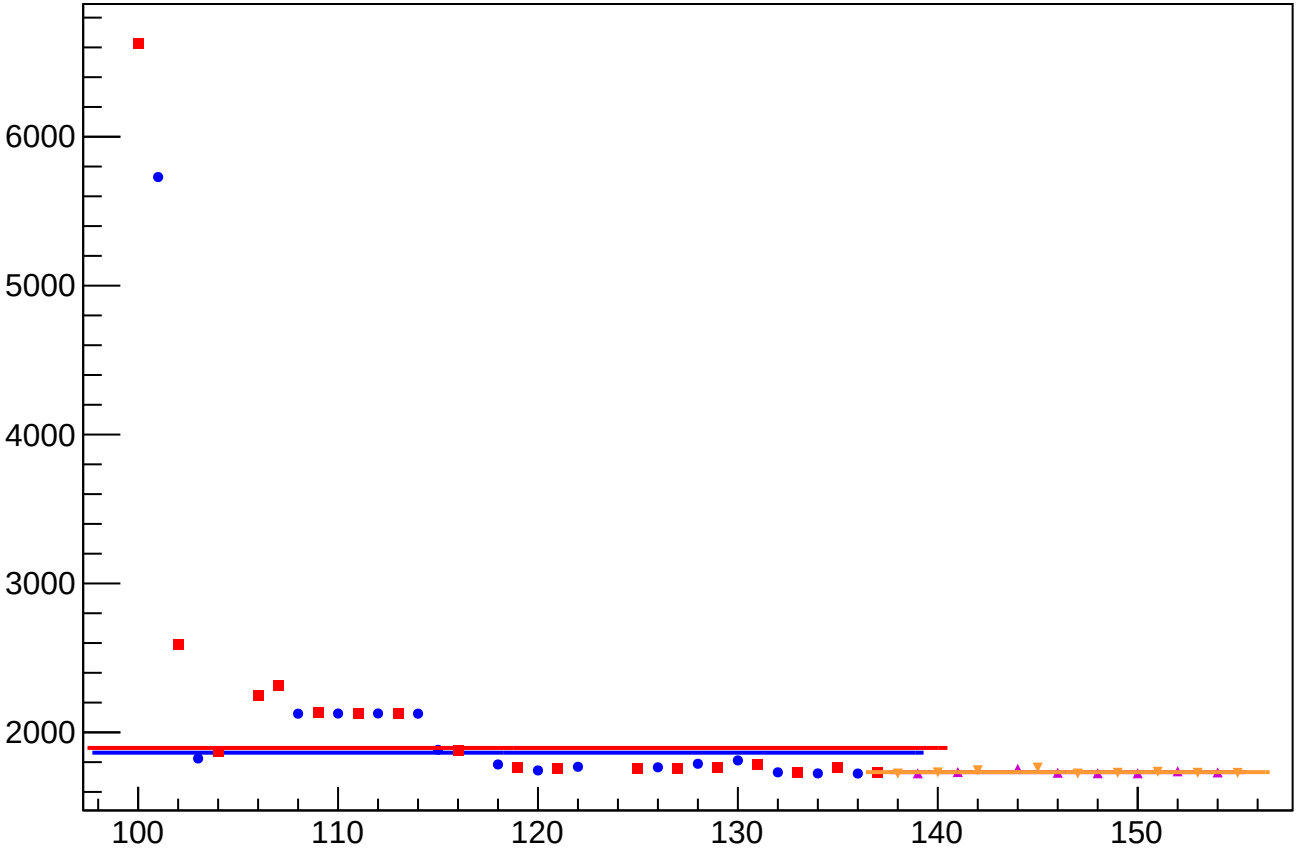
Left In: -564.629+/-654.041 χ^2/NDF:10.1/7

+ sign 17.124+/-480.430 χ^2/NDF: 23.4/24

All: -245.111+/-340.271 χ^2/NDF: 49.9/50

- sign -509.069+/-482.005 χ^2/NDF: 25.9/25

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: 1732.967+/-0.462 χ^2/NDF:664.9/8

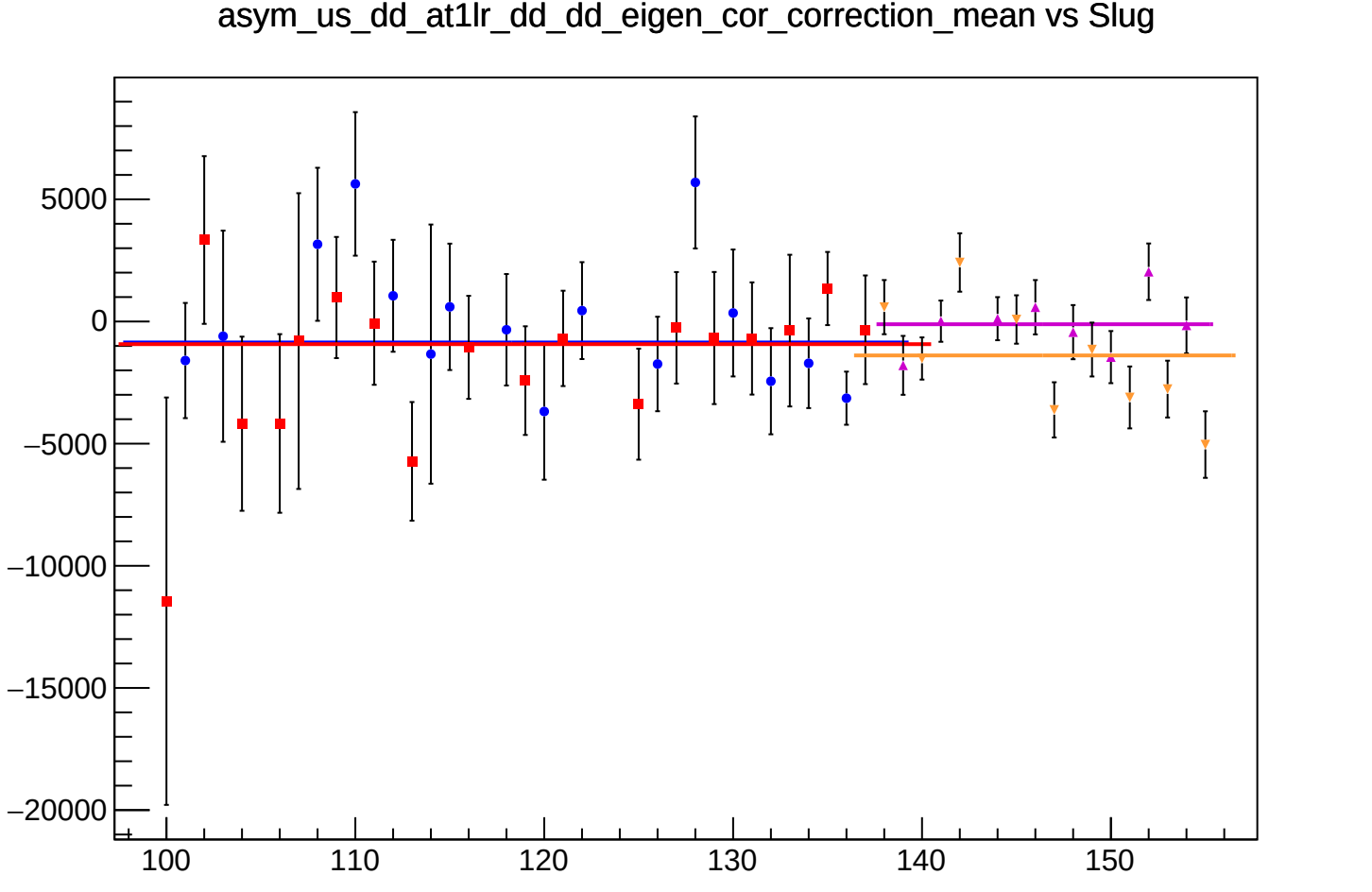
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.065+/-0.462 χ^2/NDF:437.8/7

+ sign 1792.915+/-0.340 χ^2/NDF: 712037.6/24

All: 1800.071+/-0.241 χ^2/NDF: 1028893.6/50

- sign 1807.275+/-0.341 χ^2/NDF: 315965.5/25



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1388.981+/-368.113 χ^2/NDF:29.9/8

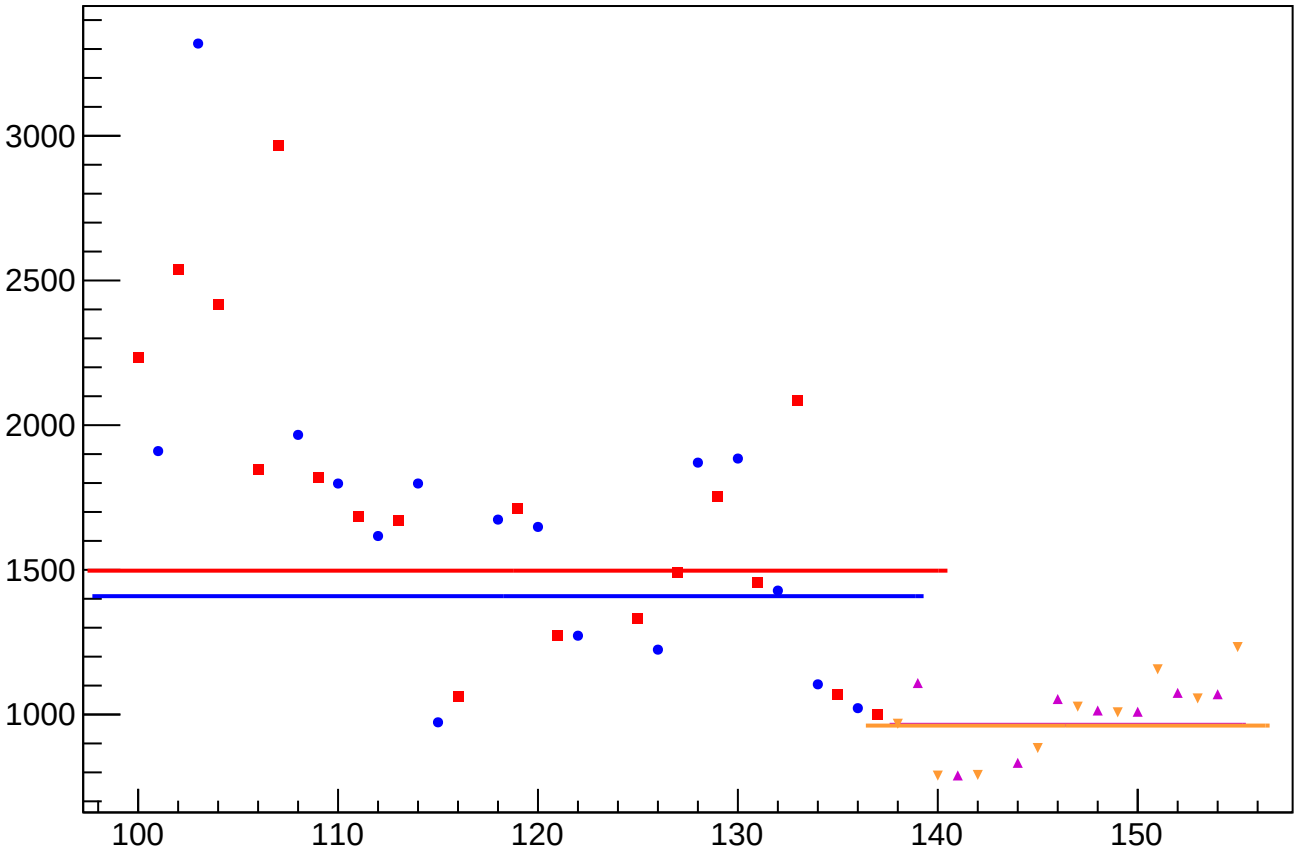
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -112.045+/-367.839 χ^2/NDF:7.6/7

+ sign -1224.642+/-305.873 χ^2/NDF: 51.1/24

All: -791.722+/-218.206 χ^2/NDF: 77.7/50

- sign -343.076+/-311.379 χ^2/NDF: 22.5/25



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 961.767+/-0.260 χ^2/NDF:282856.6/8

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

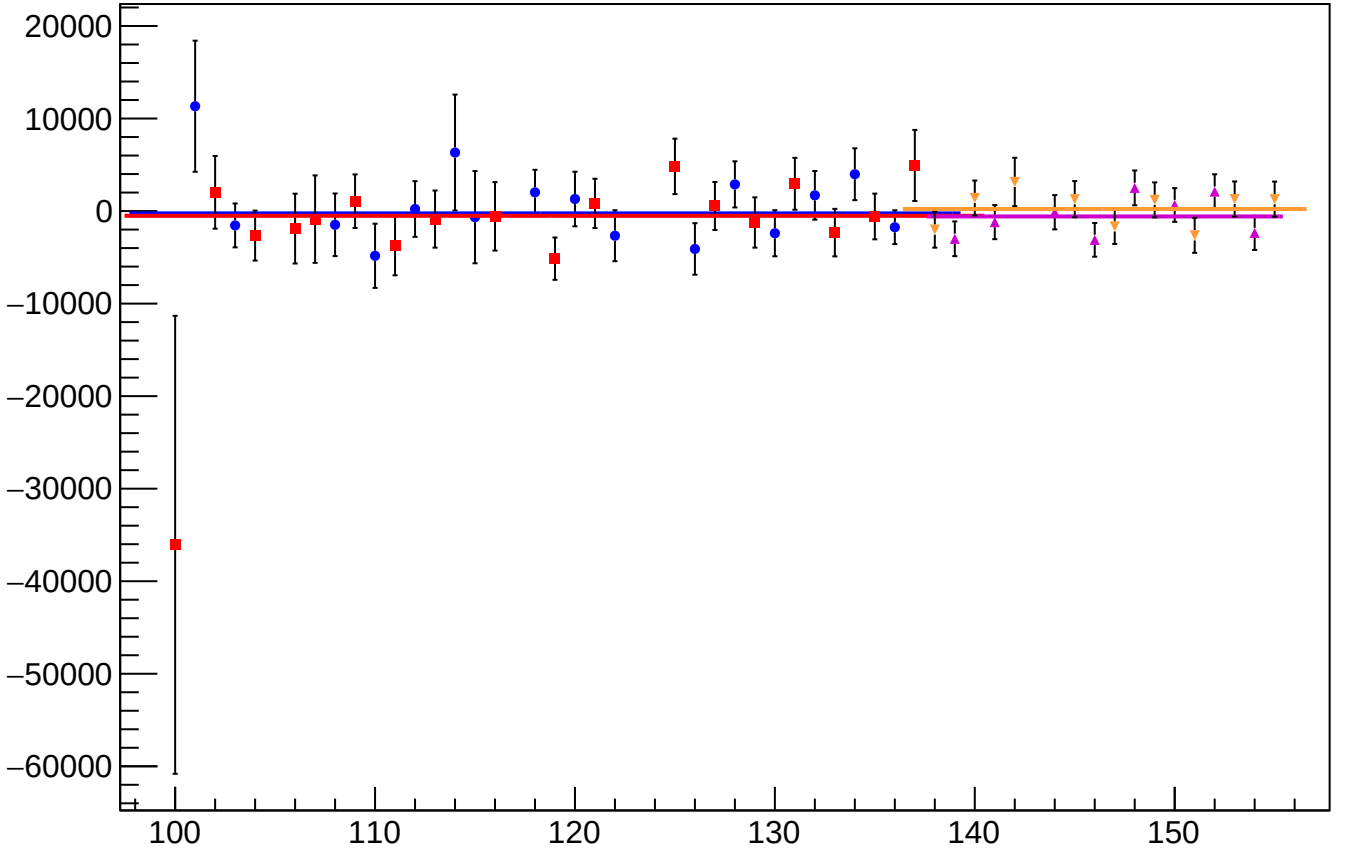
Left In: 964.446+/-0.260 χ^2/NDF:214812.3/7

+ sign 1100.221+/-0.216 χ^2/NDF: 2363880.7/24

All: 1107.688+/-0.154 χ^2/NDF: 4788074.0/50

- sign 1115.426+/-0.220 χ^2/NDF: 2421766.4/25

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 222.699+/-653.326 χ^2/NDF:7.4/8

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

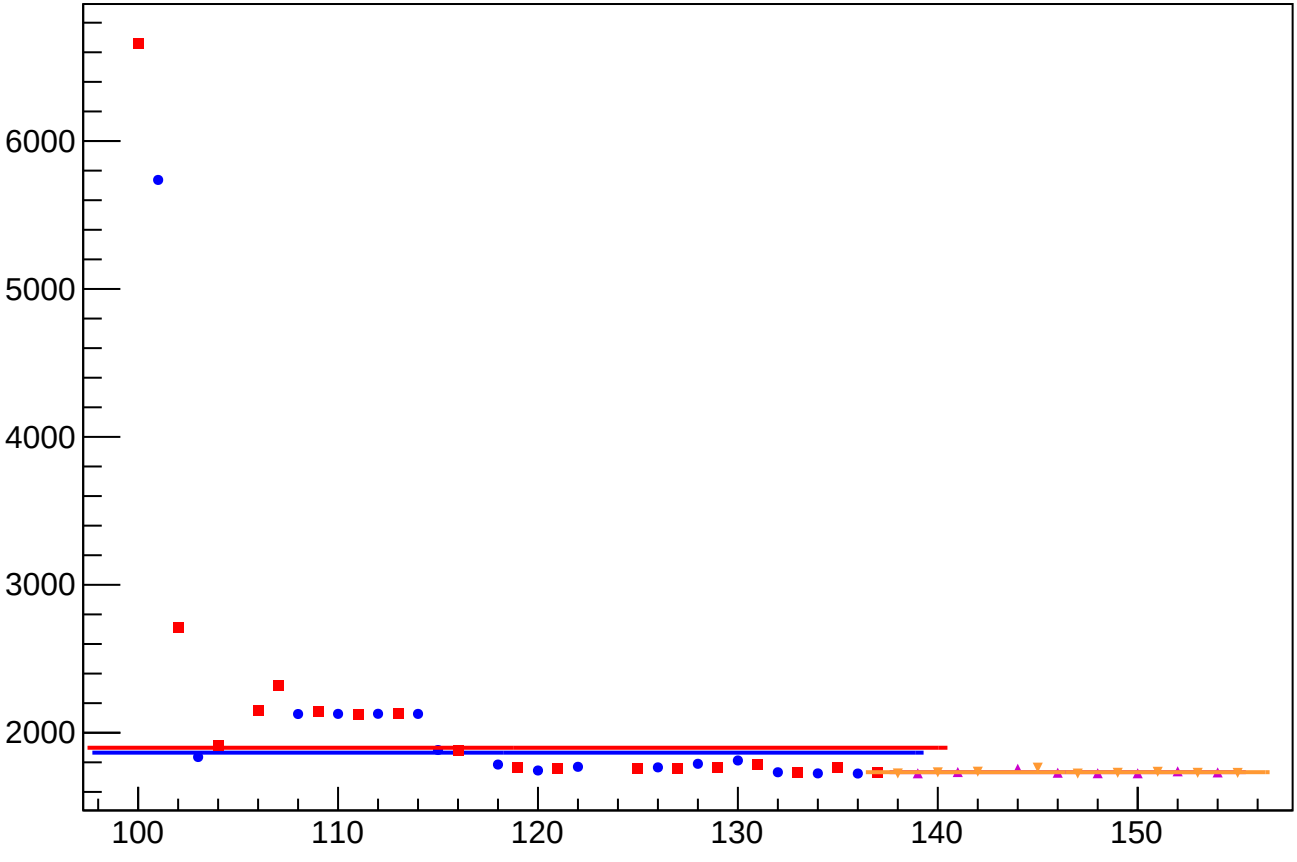
Left In: -582.825+/-654.354 χ^2/NDF:9.9/7

+ sign 5.029+/-480.752 χ^2/NDF: 23.3/24

All: -271.129+/-340.683 χ^2/NDF: 50.3/50

- sign -549.707+/-482.853 χ^2/NDF: 26.3/25

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.343+/-0.462 χ^2/NDF:613.9/8

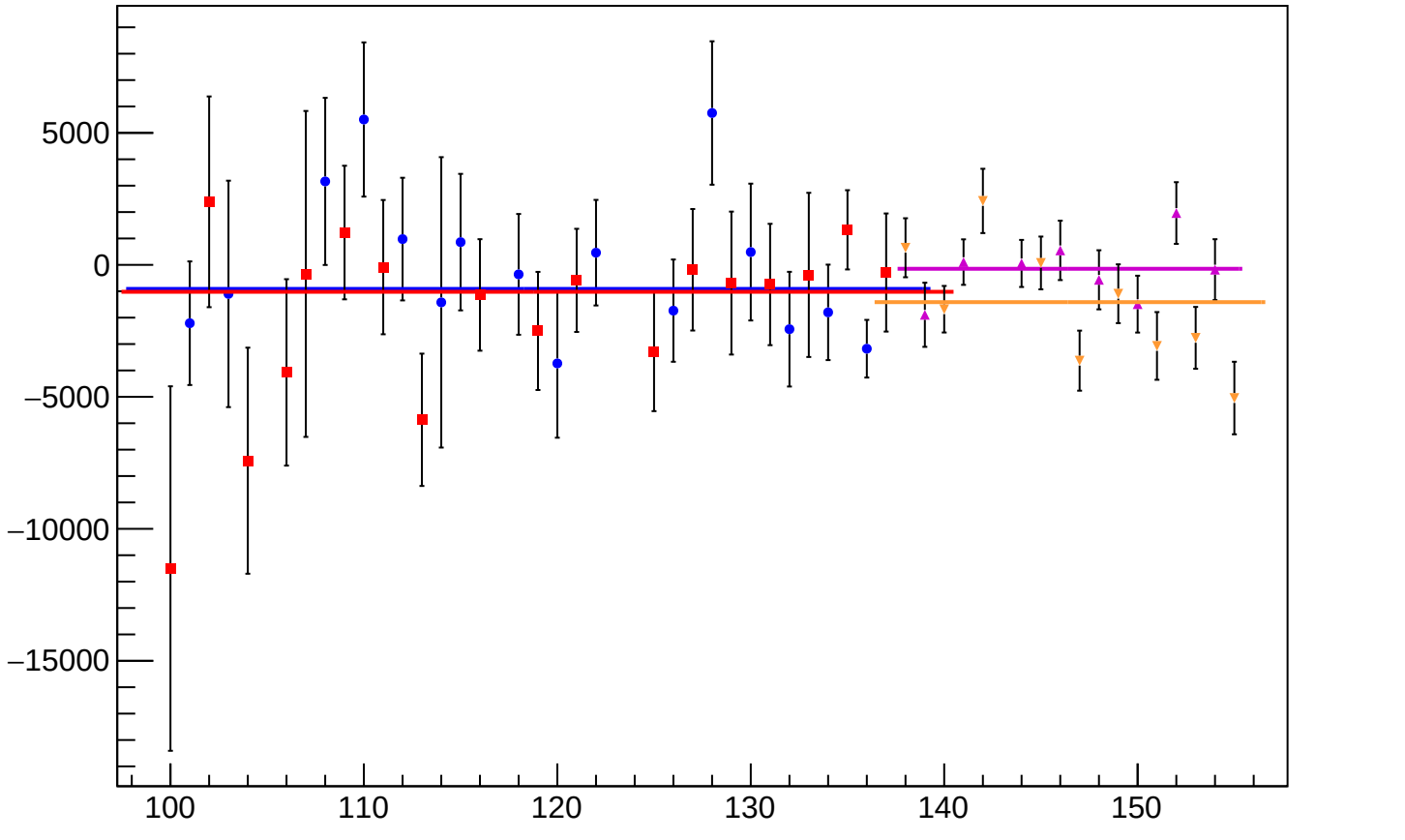
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1733.896+/-0.463 χ^2/NDF:437.4/7

+ sign 1793.912+/-0.340 χ^2/NDF: 713093.5/24

All: 1801.383+/-0.241 χ^2/NDF: 1041328.9/50

- sign 1808.919+/-0.341 χ^2/NDF: 327265.3/25



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1412.087+/-372.518 χ^2/NDF:29.5/8

Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

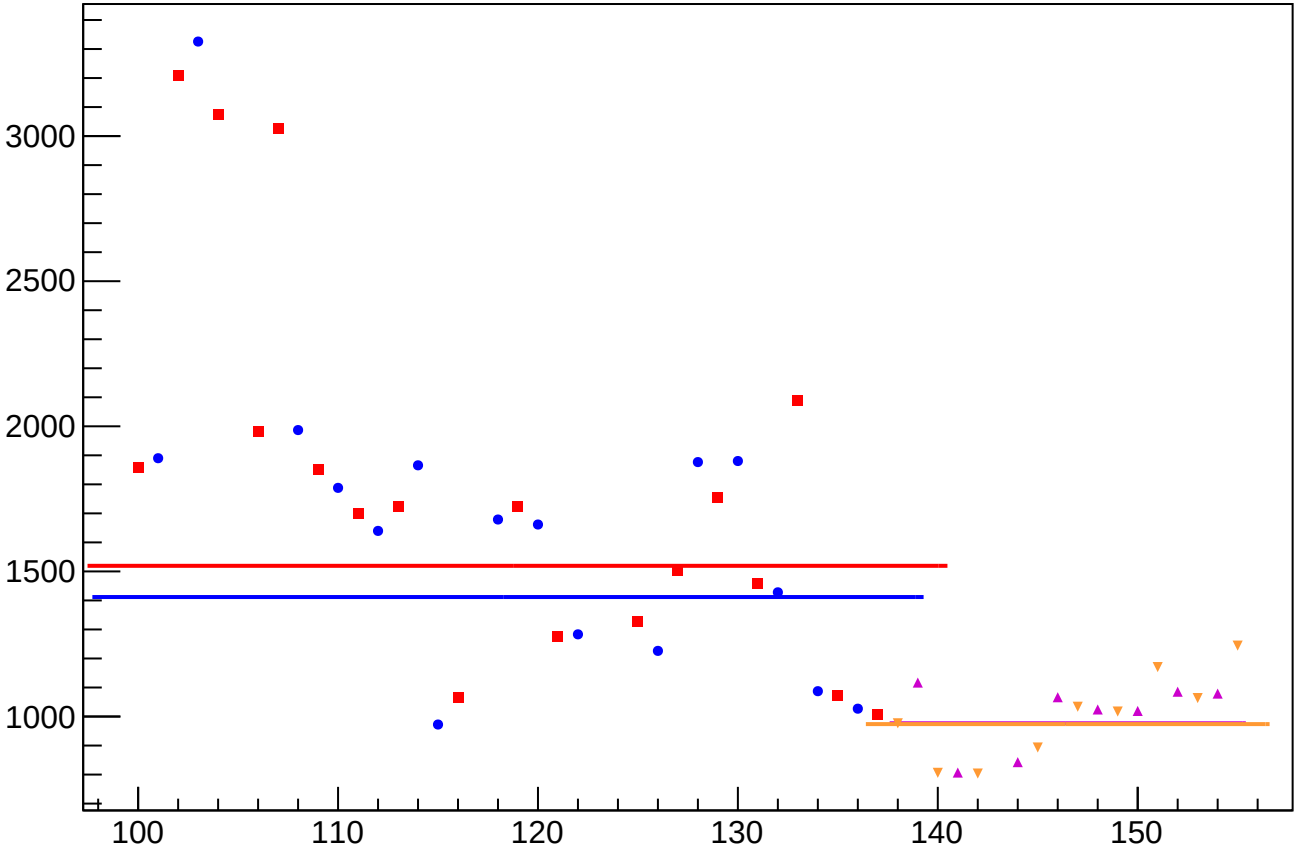
Left In: -148.516+/-372.264 χ^2/NDF:7.5/7

+ sign -1254.820+/-308.578 χ^2/NDF: 51.0/24

All: -834.231+/-220.459 χ^2/NDF: 78.9/50

- sign -395.743+/-315.076 χ^2/NDF: 24.0/25

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: 973.910+/-0.263 χ^2/NDF:269273.3/8

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

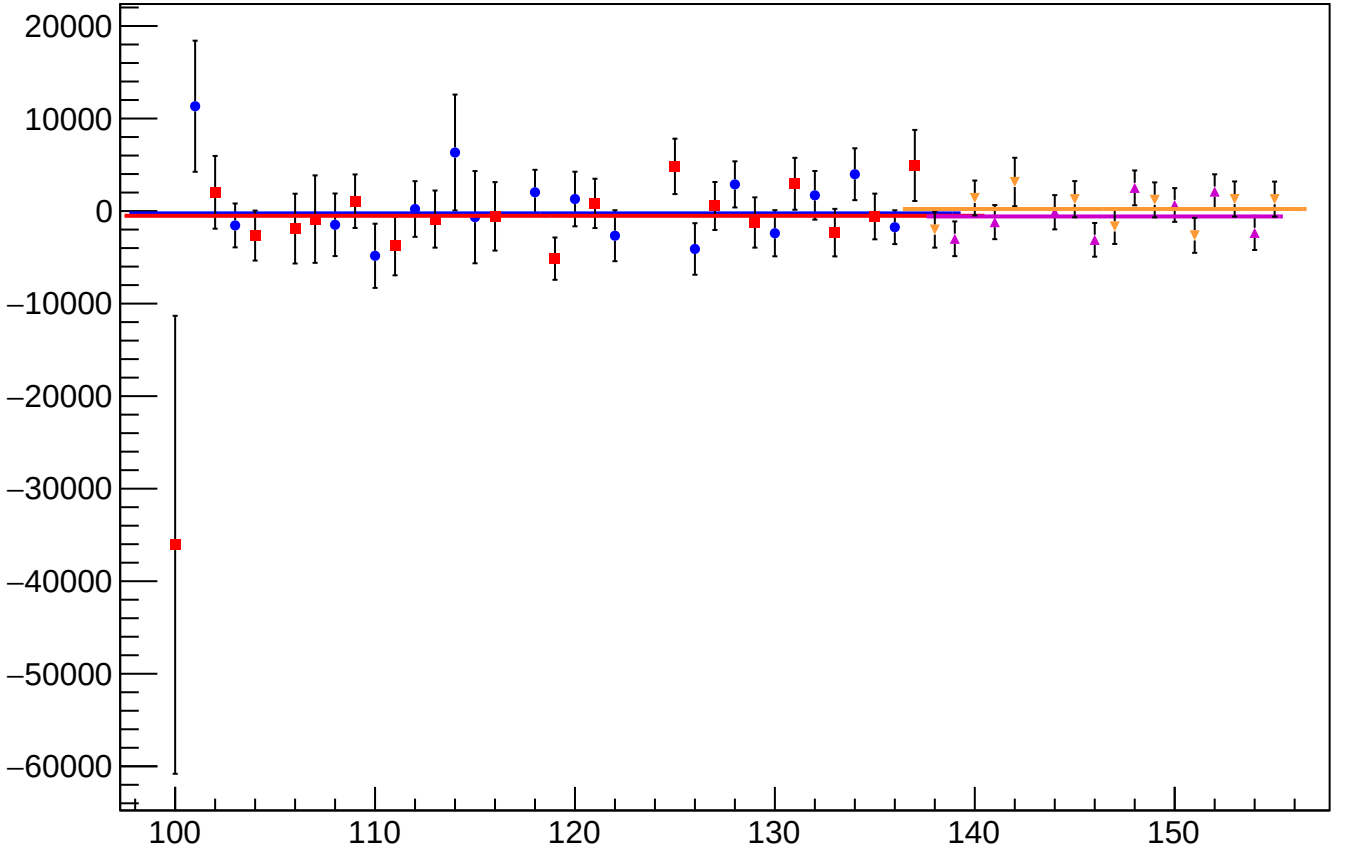
Left In: 976.776+/-0.263 χ^2/NDF:201947.6/7

+ sign 1111.314+/-0.218 χ^2/NDF: 2314076.5/24

All: 1120.786+/-0.156 χ^2/NDF: 5084911.4/50

- sign 1130.661+/-0.223 χ^2/NDF: 2766985.6/25

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 222.695+/-653.326 χ^2/NDF:7.4/8

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

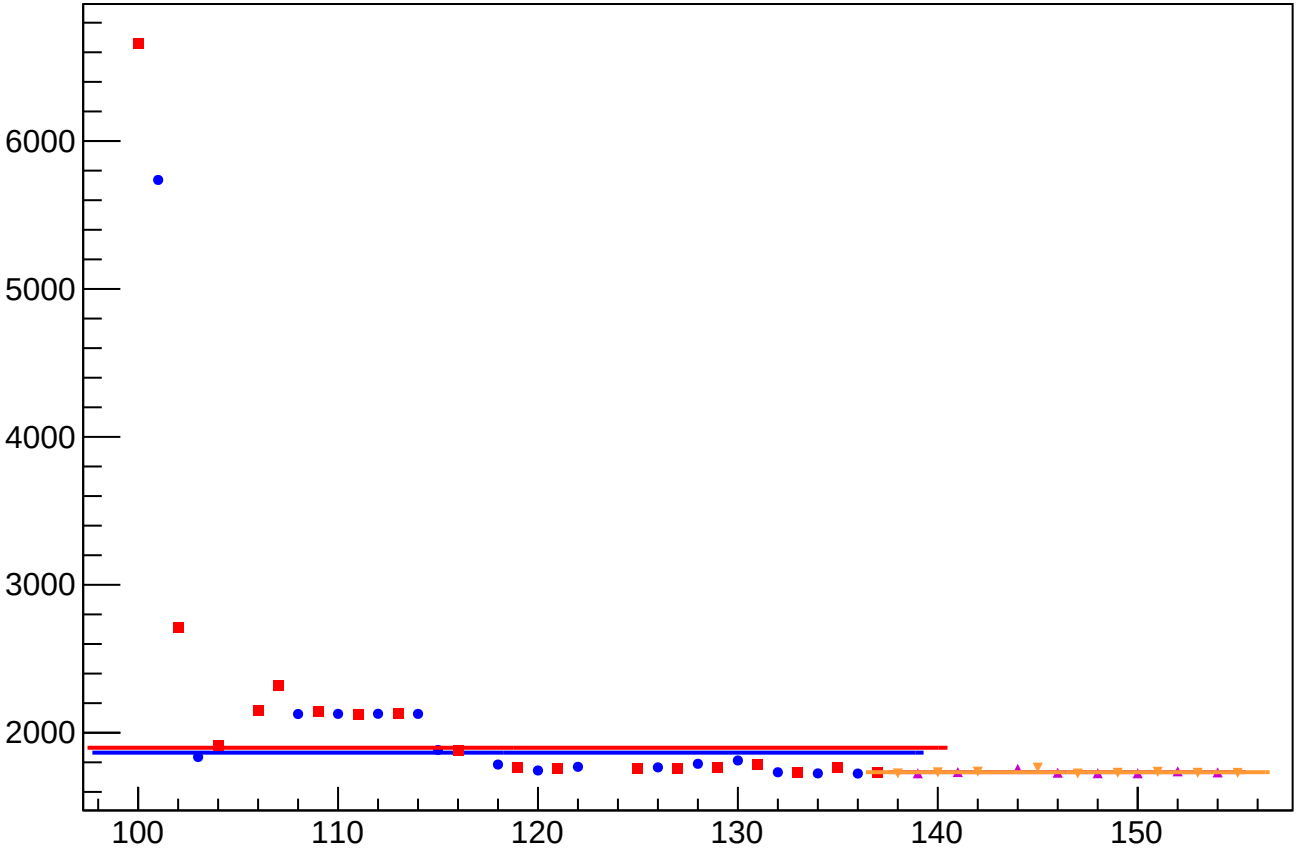
Left In: -582.827+/-654.354 χ^2/NDF:9.9/7

+ sign 5.027+/-480.752 χ^2/NDF: 23.3/24

All: -271.131+/-340.683 χ^2/NDF: 50.3/50

- sign -549.708+/-482.853 χ^2/NDF: 26.3/25

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.343+/-0.462 χ^2/NDF:613.9/8

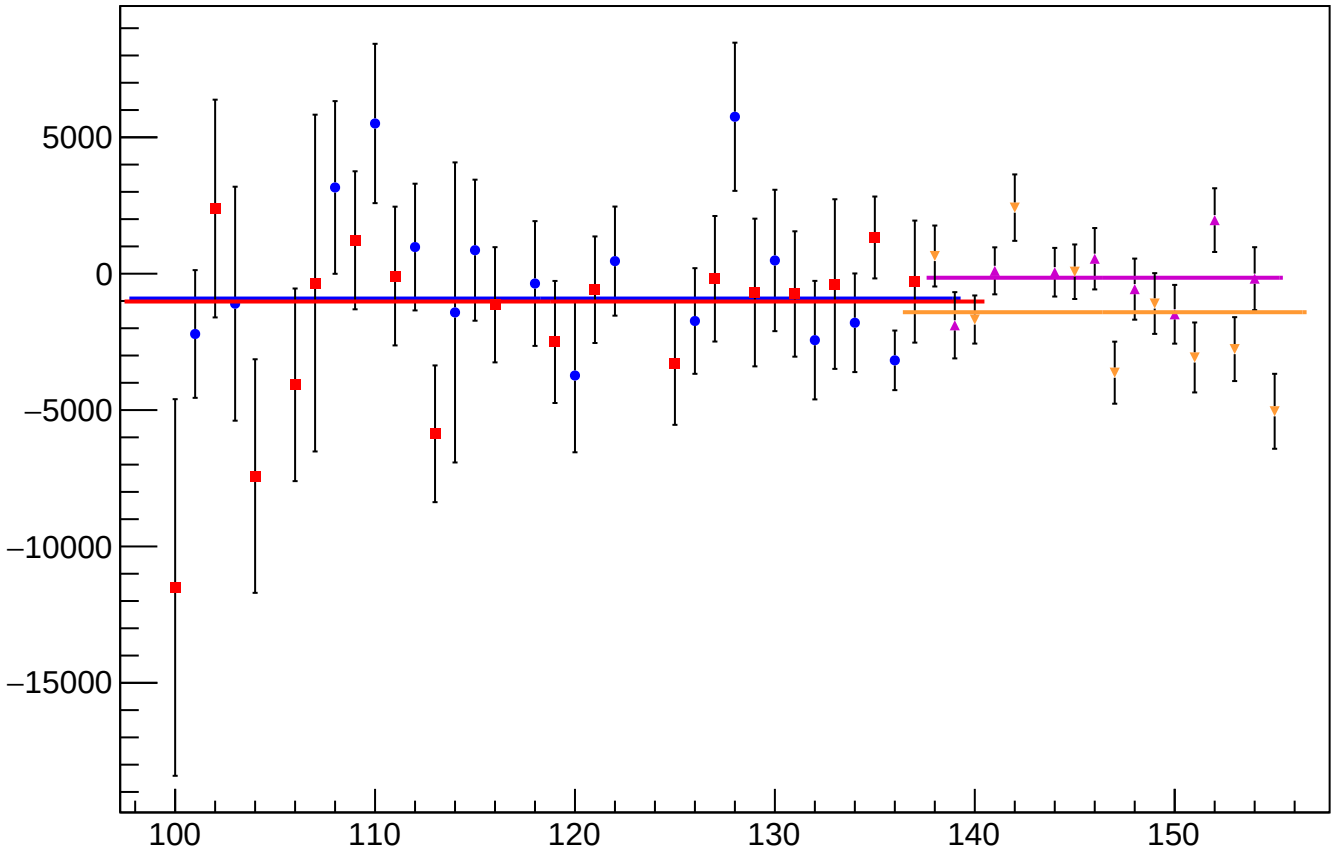
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1733.896+/-0.463 χ^2/NDF:437.4/7

+ sign 1793.912+/-0.340 χ^2/NDF: 713093.4/24

All: 1801.383+/-0.241 χ^2/NDF: 1041328.6/50

- sign 1808.919+/-0.341 χ^2/NDF: 327265.0/25



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1412.085+/-372.518 χ^2/NDF:29.5/8

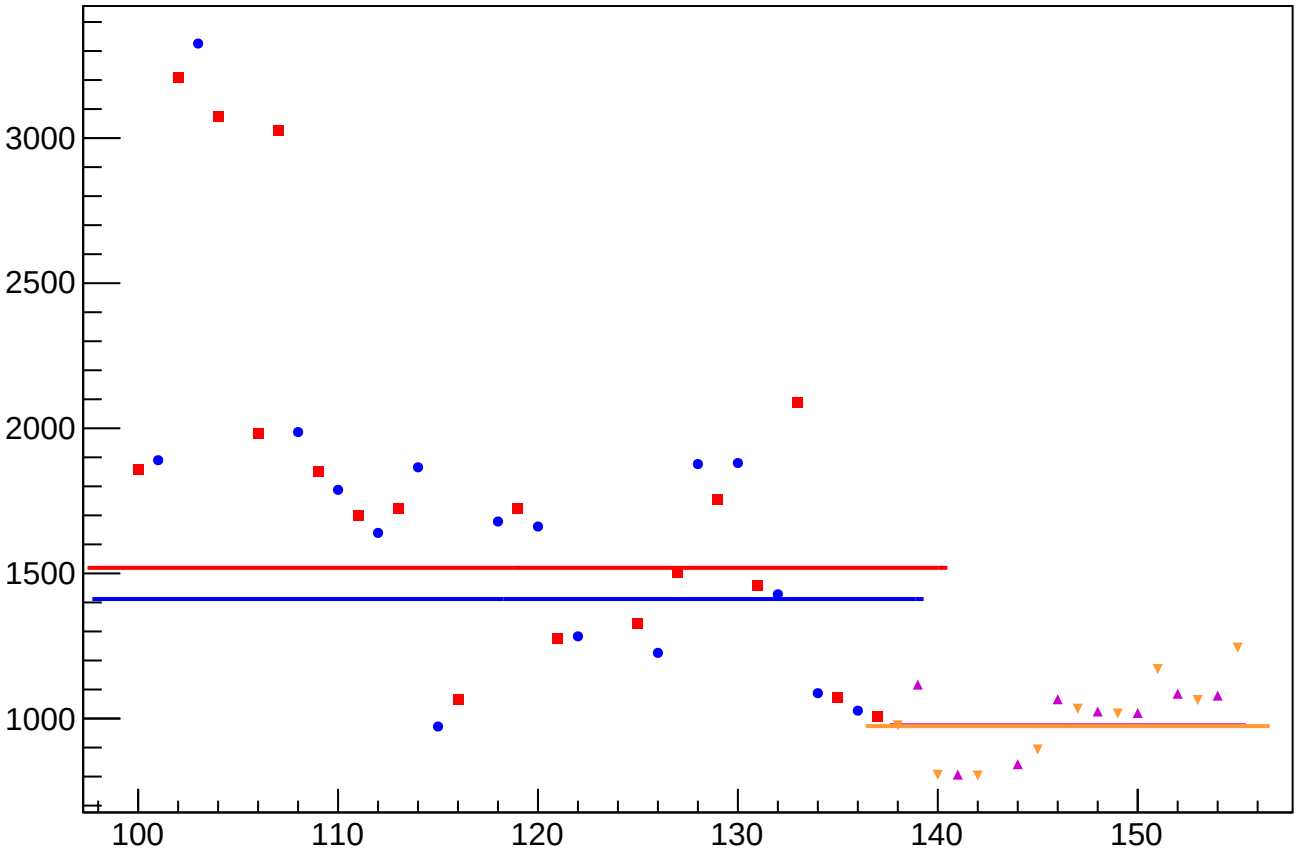
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -148.515+/-372.264 χ^2/NDF:7.5/7

+ sign -1254.817+/-308.578 χ^2/NDF: 51.0/24

All: -834.230+/-220.459 χ^2/NDF: 78.9/50

- sign -395.743+/-315.076 χ^2/NDF: 24.0/25



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 973.909+/-0.263 χ^2/NDF:269281.8/8

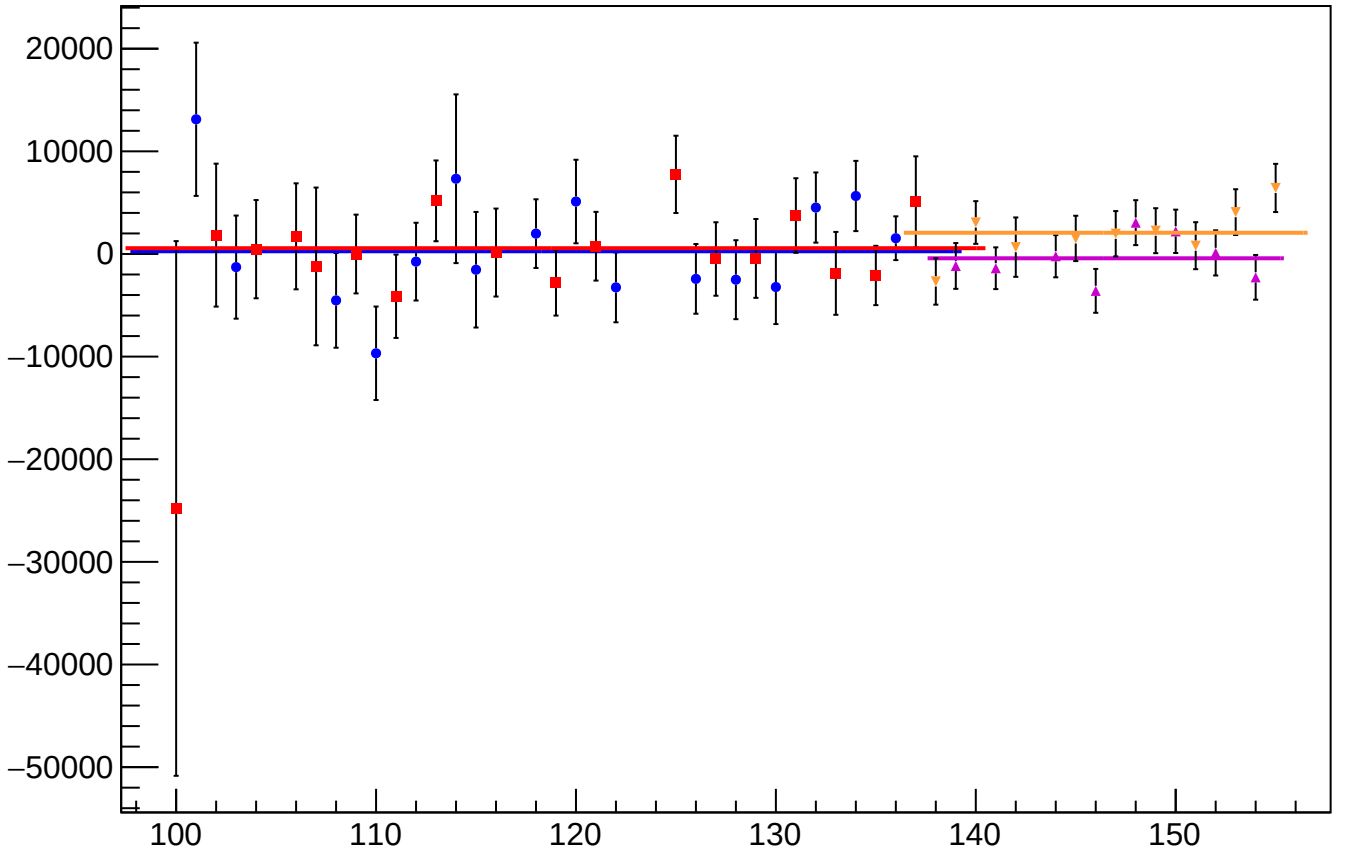
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 976.776+/-0.263 χ^2/NDF:201954.0/7

+ sign 1111.313+/-0.218 χ^2/NDF: 2314078.4/24

All: 1120.785+/-0.156 χ^2/NDF: 5084915.1/50

- sign 1130.661+/-0.223 χ^2/NDF: 2766987.2/25



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 2067.805+/-758.552 χ^2/NDF:9.5/8

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

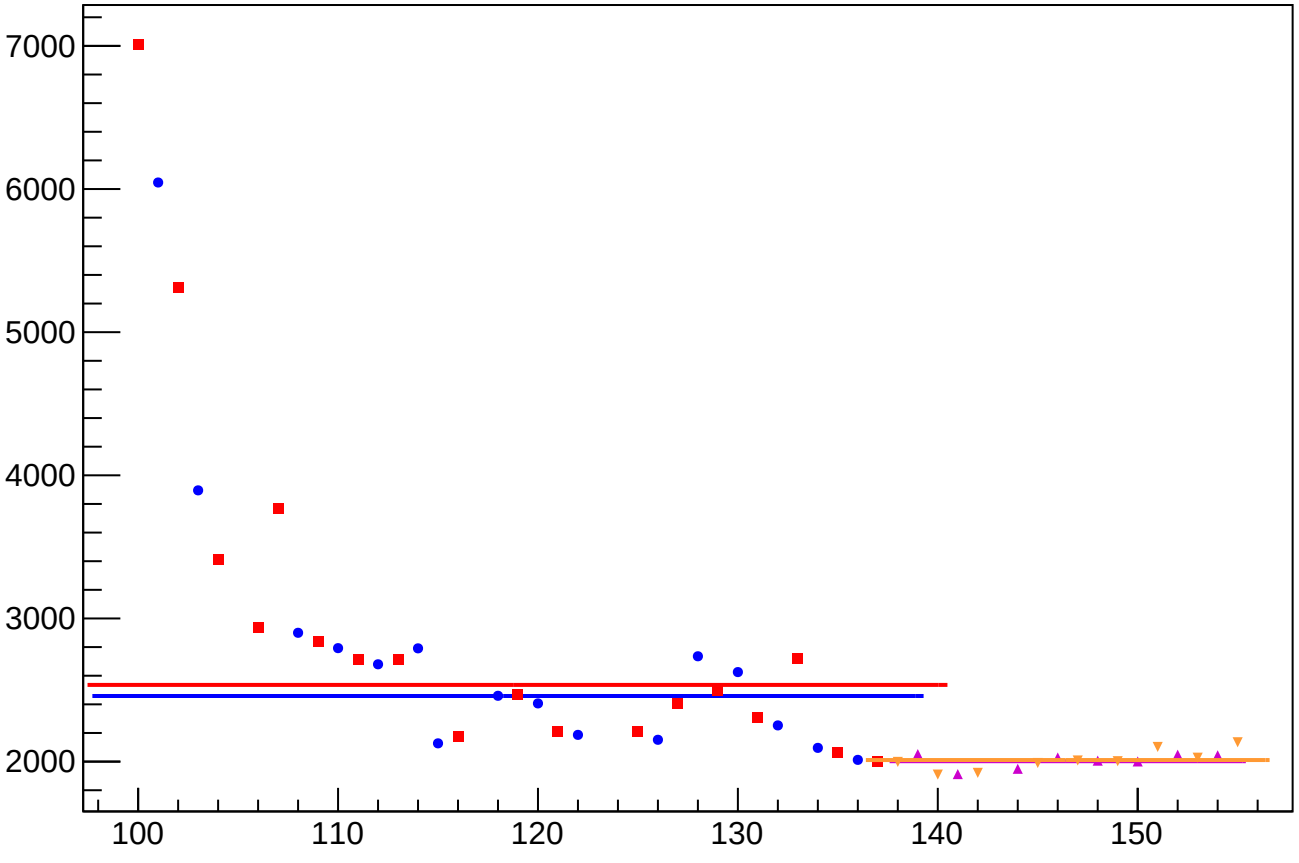
Left In: -421.102+/-756.169 χ^2/NDF:7.4/7

+ sign 1358.382+/-590.807 χ^2/NDF: 30.8/24

All: 660.572+/-419.139 χ^2/NDF: 53.4/50

- sign -46.508+/-594.718 χ^2/NDF: 19.8/25

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 2010.873+/-0.536 χ^2/NDF:15852.7/8

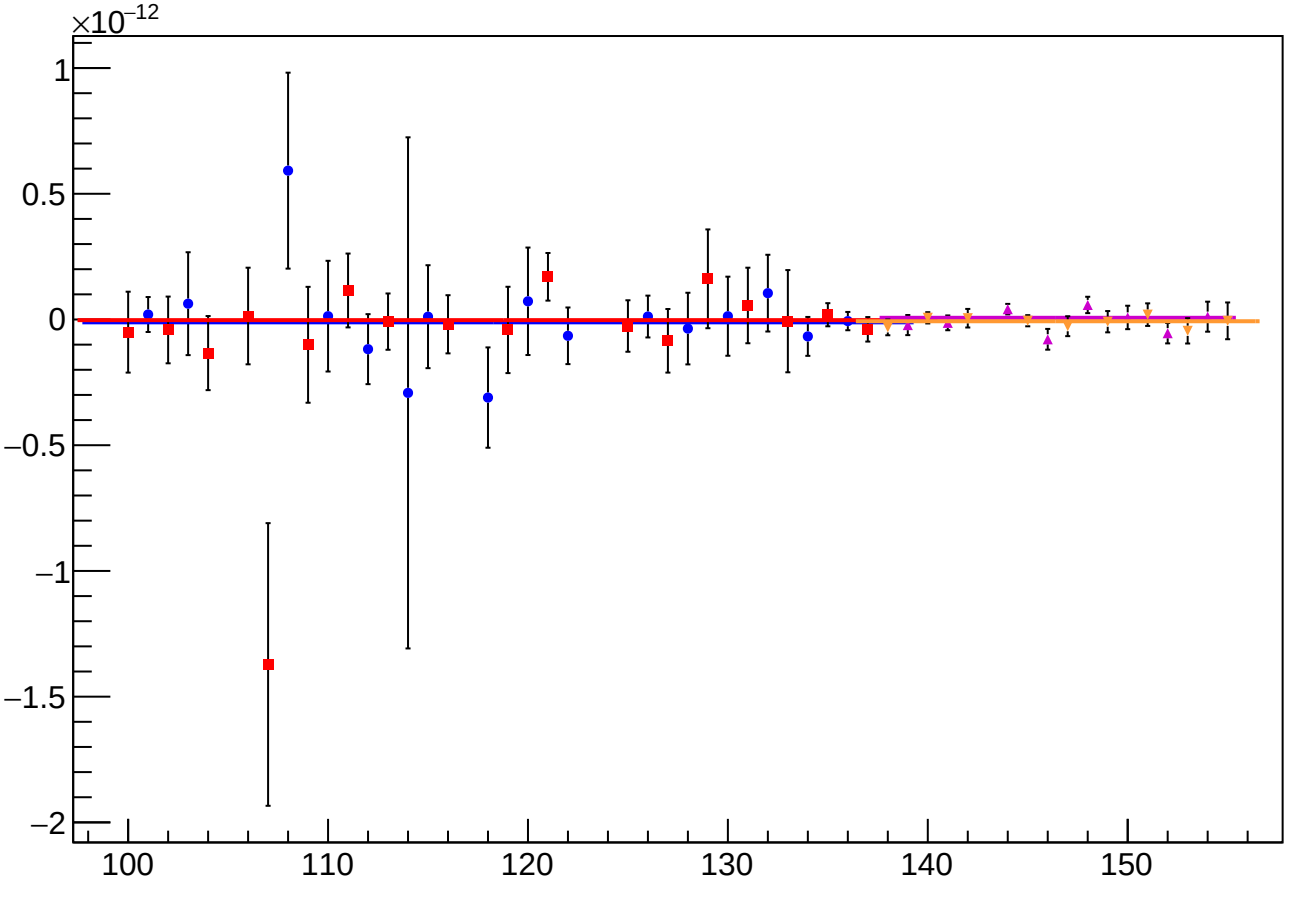
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2002.797+/-0.535 χ^2/NDF:8121.4/7

+ sign 2186.893+/-0.418 χ^2/NDF: 1122502.6/24

All: 2196.432+/-0.296 χ^2/NDF: 2184016.9/50

- sign 2206.098+/-0.421 χ^2/NDF: 1060464.6/25



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/8

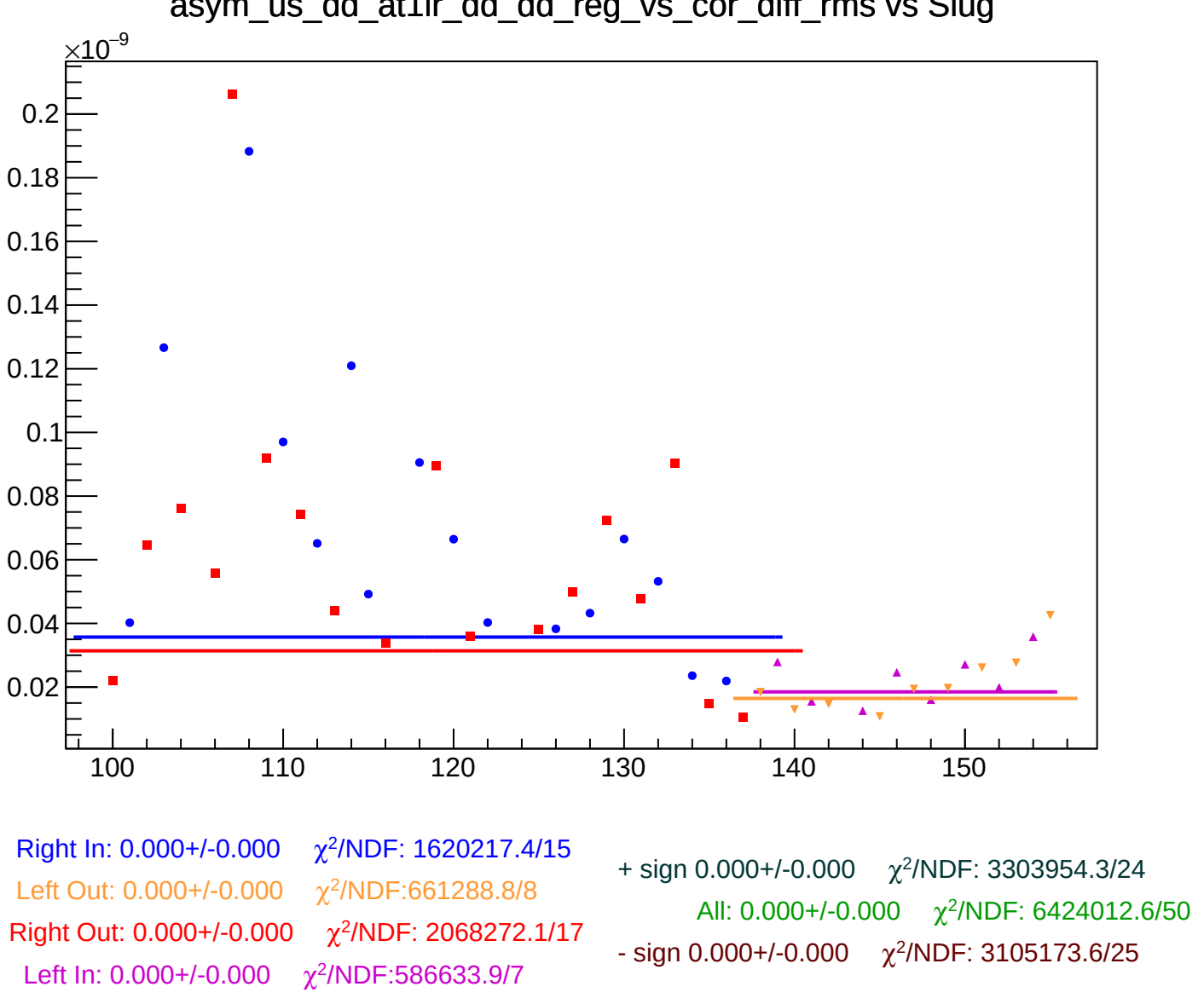
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

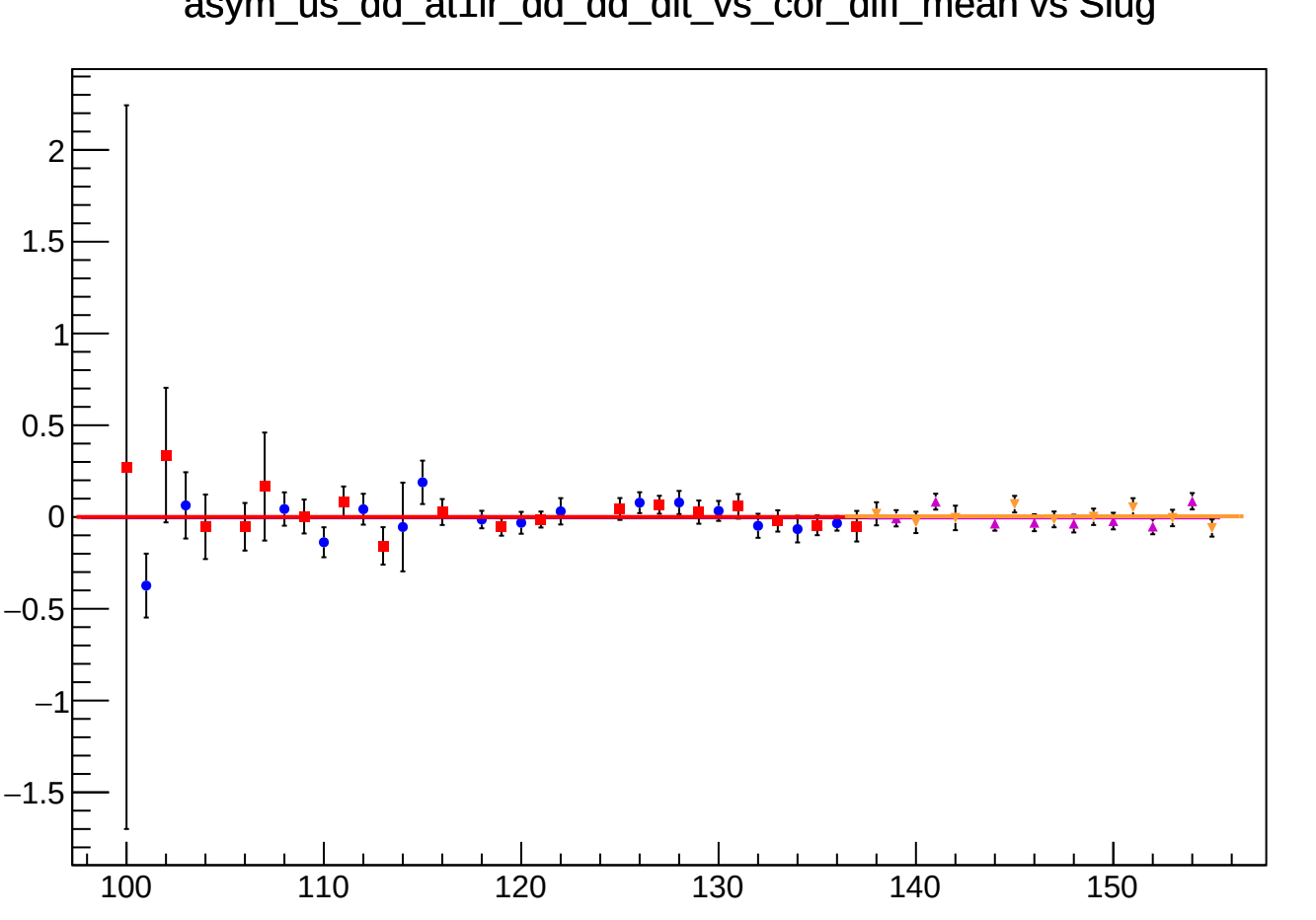
Left In: 0.000+/-0.000 χ^2/NDF:12.7/7

+ sign -0.000+/-0.000 χ^2/NDF: 9.6/24

All: -0.000+/-0.000 χ^2/NDF: 36.4/50

- sign 0.000+/-0.000 χ^2/NDF: 26.0/25


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:661288.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:586633.9/7
+ sign 0.000+/-0.000 χ²/NDF: 3303954.3/24
All: 0.000+/-0.000 χ²/NDF: 6424012.6/50
- sign 0.000+/-0.000 χ²/NDF: 3105173.6/25



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.017 χ^2/NDF:5.6/8

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

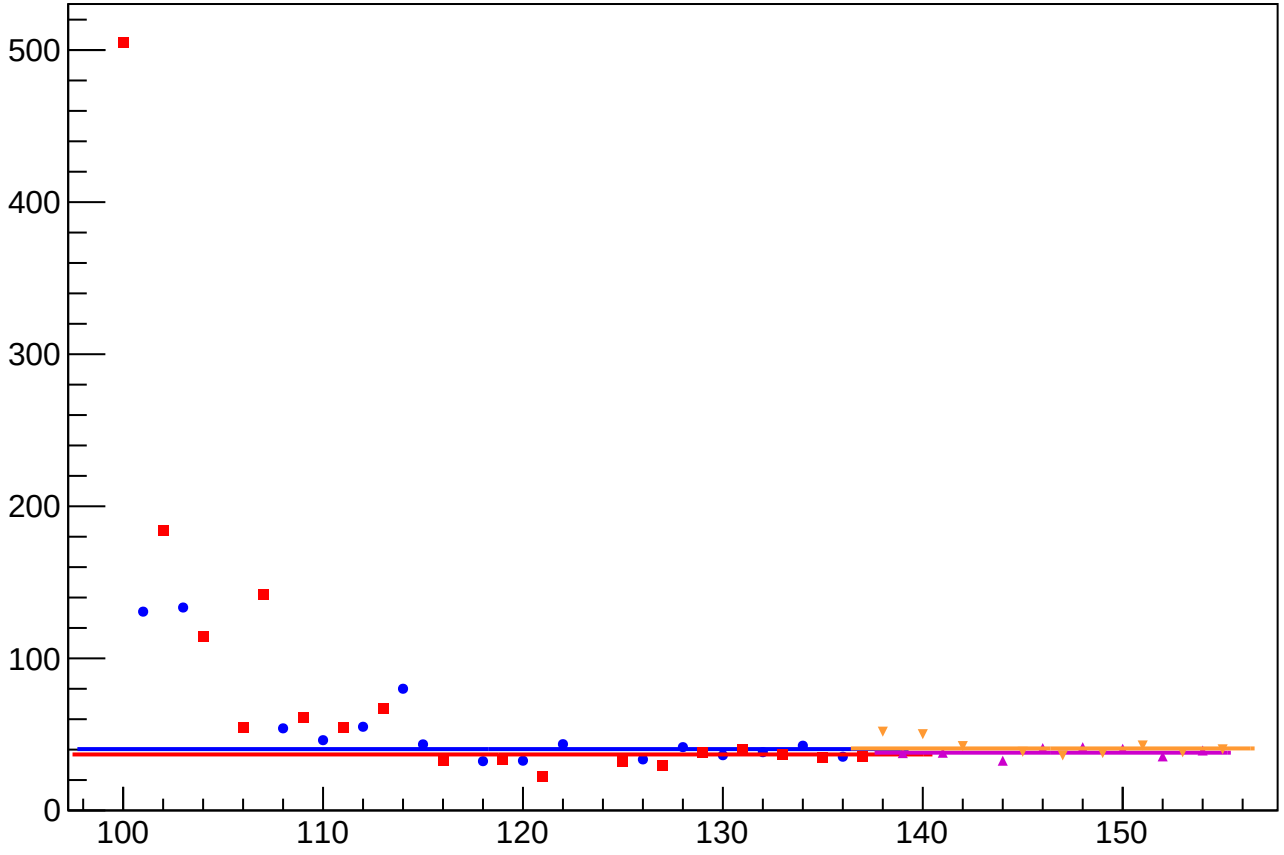
Left In: -0.002+/-0.016 χ^2/NDF:11.1/7

+ sign 0.001+/-0.012 χ^2/NDF: 22.7/24

All: -0.000+/-0.008 χ^2/NDF: 44.7/50

- sign -0.001+/-0.011 χ^2/NDF: 22.0/25

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: 40.782+/-0.012 χ^2/NDF:160778.1/8

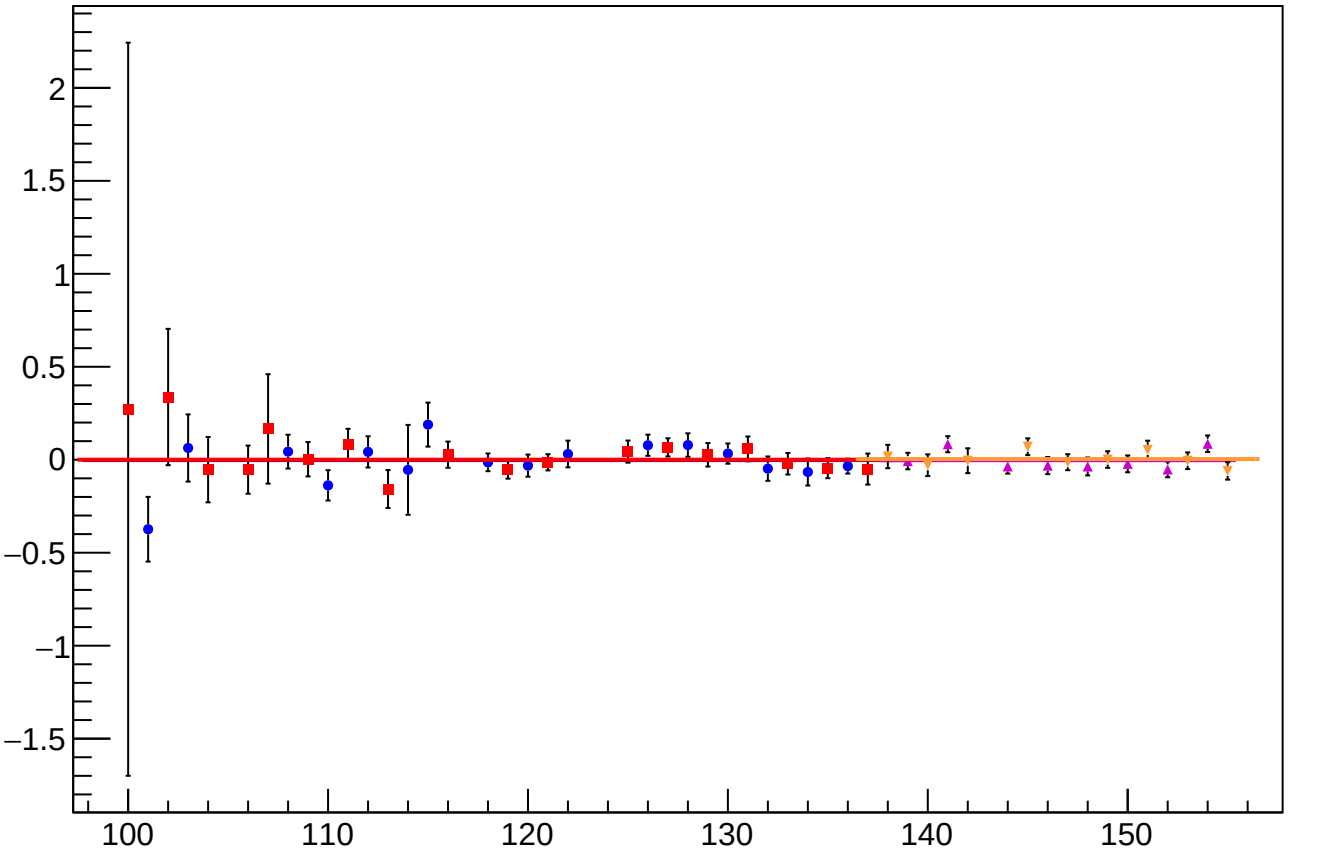
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.988+/-0.011 χ^2/NDF:71865.1/7

+ sign 40.574+/-0.008 χ^2/NDF: 1571569.1/24

All: 38.940+/-0.006 χ^2/NDF: 3558119.9/50

- sign 37.448+/-0.008 χ^2/NDF: 1914205.2/25



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.017 χ^2/NDF:5.6/8

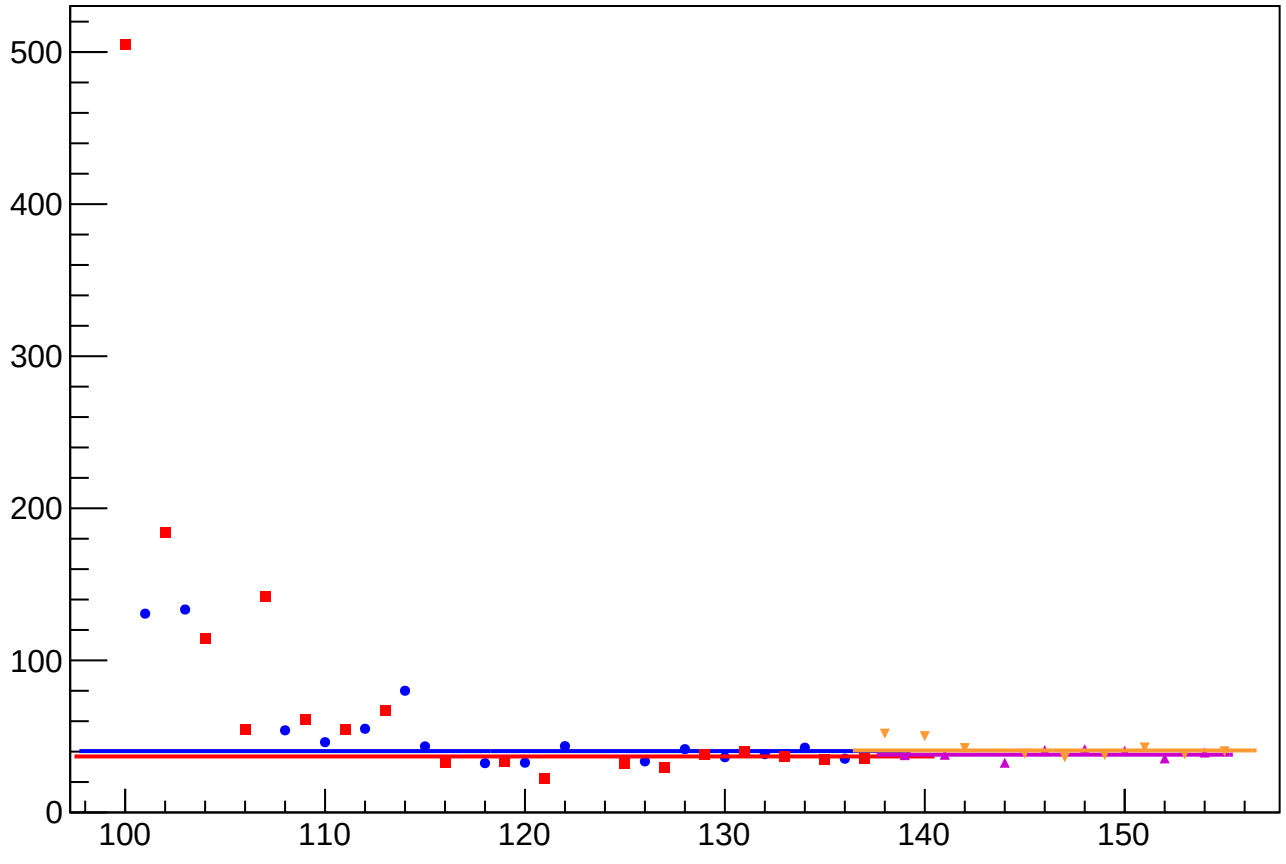
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.016 χ^2/NDF:11.1/7

+ sign 0.001+/-0.012 χ^2/NDF: 22.7/24

All: -0.000+/-0.008 χ^2/NDF: 44.7/50

- sign -0.001+/-0.011 χ^2/NDF: 22.0/25



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.782+/-0.012 χ^2/NDF:160778.1/8

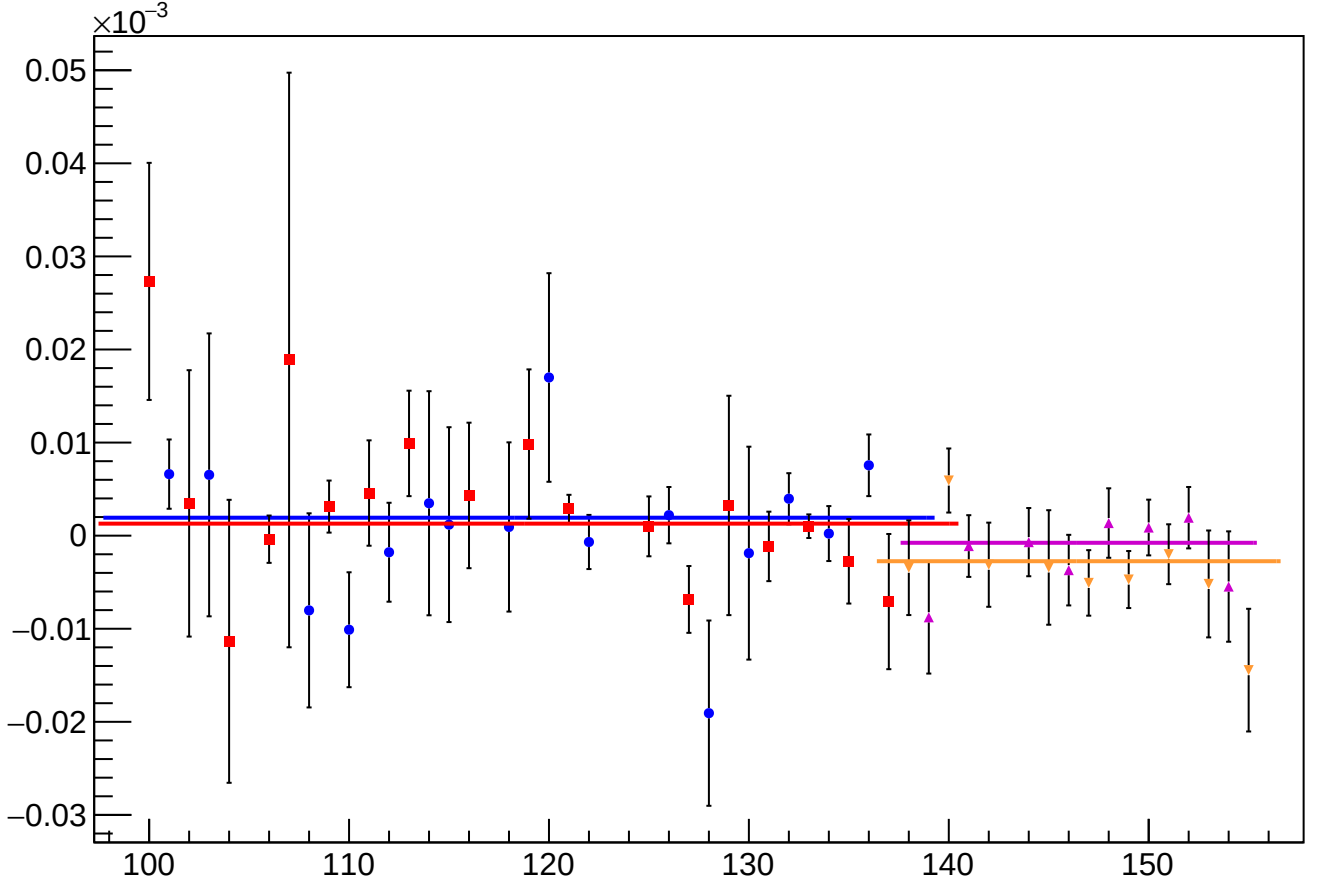
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.988+/-0.011 χ^2/NDF:71865.1/7

+ sign 40.574+/-0.008 χ^2/NDF: 1571569.1/24

All: 38.940+/-0.006 χ^2/NDF: 3558119.9/50

- sign 37.448+/-0.008 χ^2/NDF: 1914205.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/8

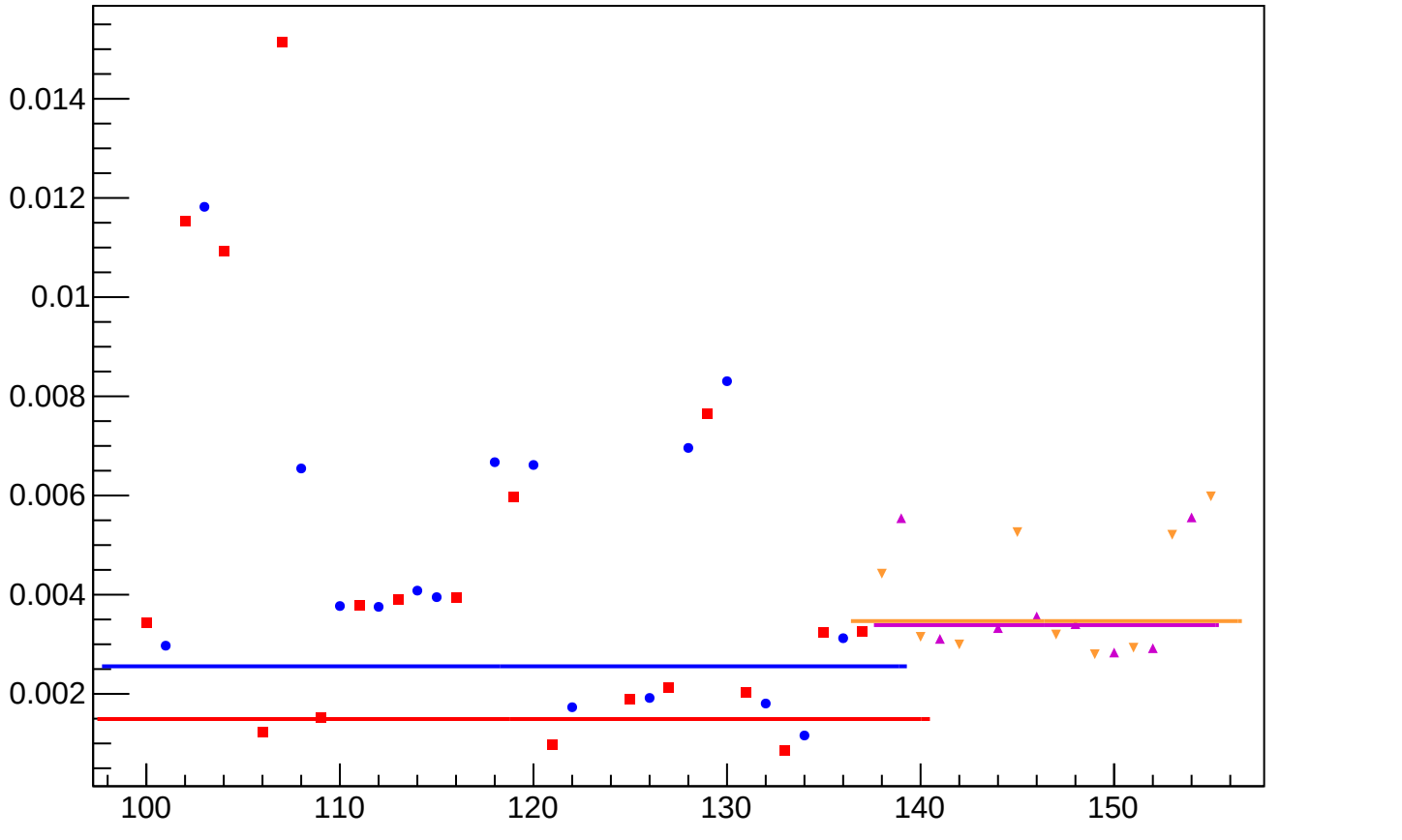
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:4.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 35.4/24

All: 0.000+/-0.000 χ^2/NDF: 60.9/50

- sign 0.000+/-0.000 χ^2/NDF: 25.0/25



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:917245.0/8

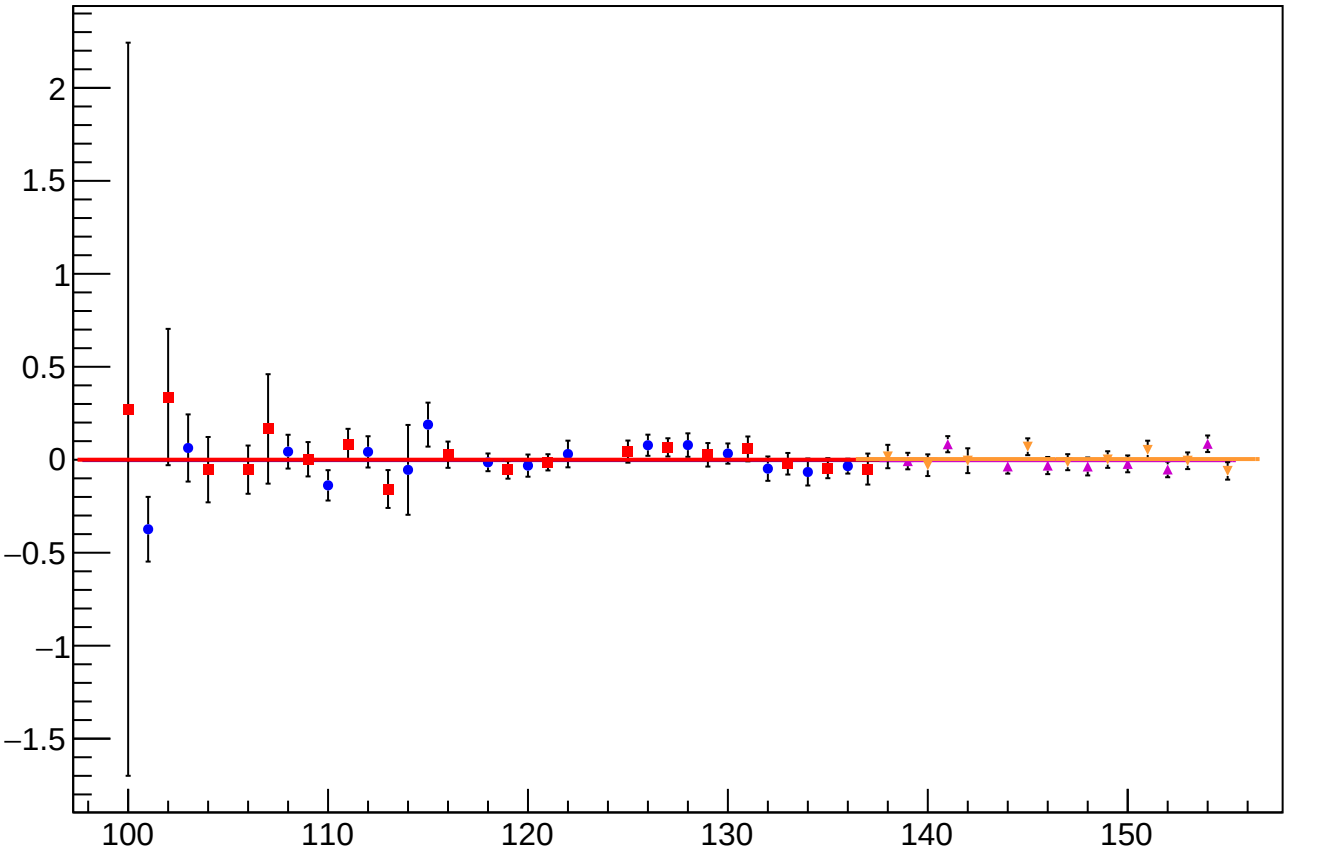
Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.003+/-0.000 χ^2/NDF:649706.2/7

+ sign 0.003+/-0.000 χ^2/NDF: 5224726.5/24

All: 0.002+/-0.000 χ^2/NDF: 16117395.3/50

- sign 0.002+/-0.000 χ^2/NDF: 9290055.1/25



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.017 χ^2/NDF:5.6/8

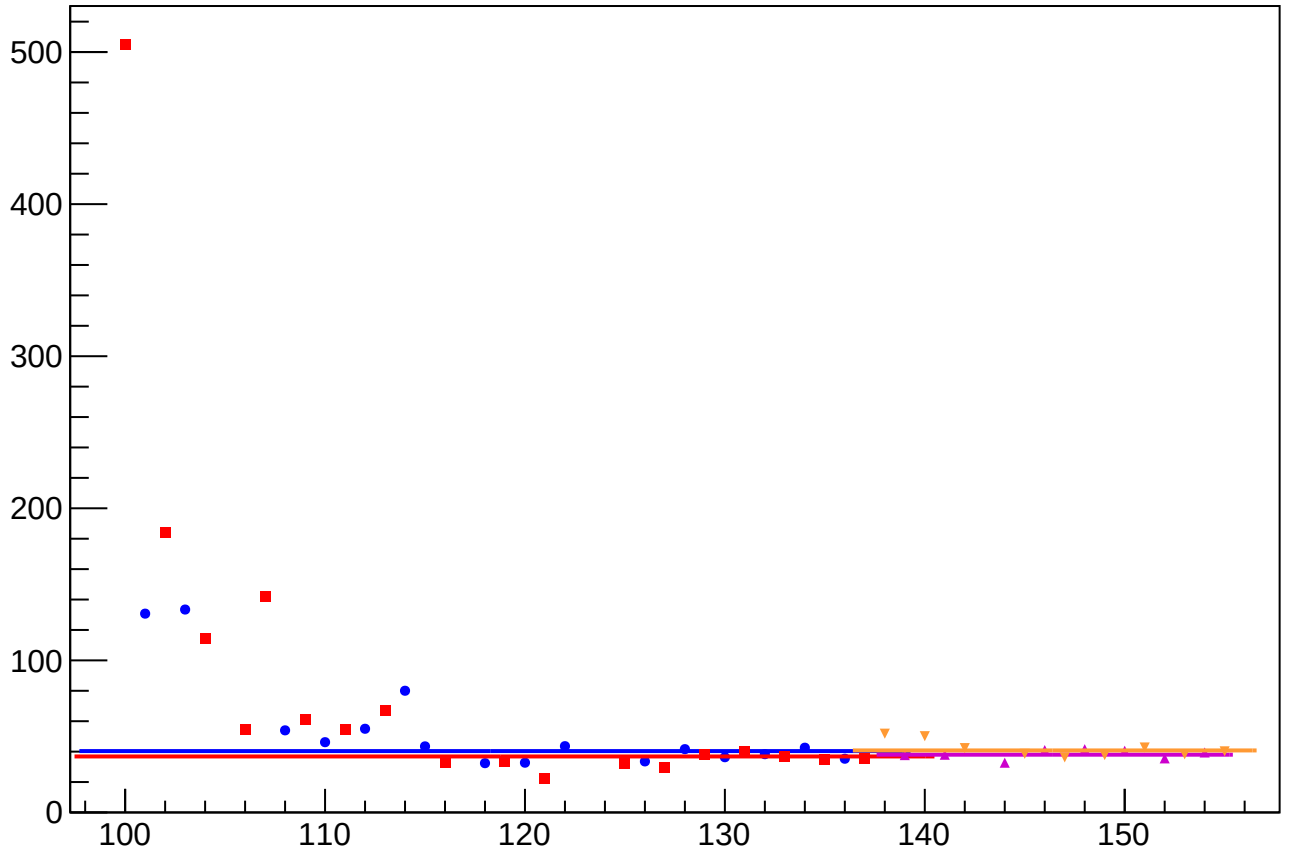
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.016 χ^2/NDF:11.1/7

+ sign 0.001+/-0.012 χ^2/NDF: 22.7/24

All: -0.000+/-0.008 χ^2/NDF: 44.7/50

- sign -0.001+/-0.011 χ^2/NDF: 22.0/25



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.782+/-0.012 χ^2/NDF:160785.1/8

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

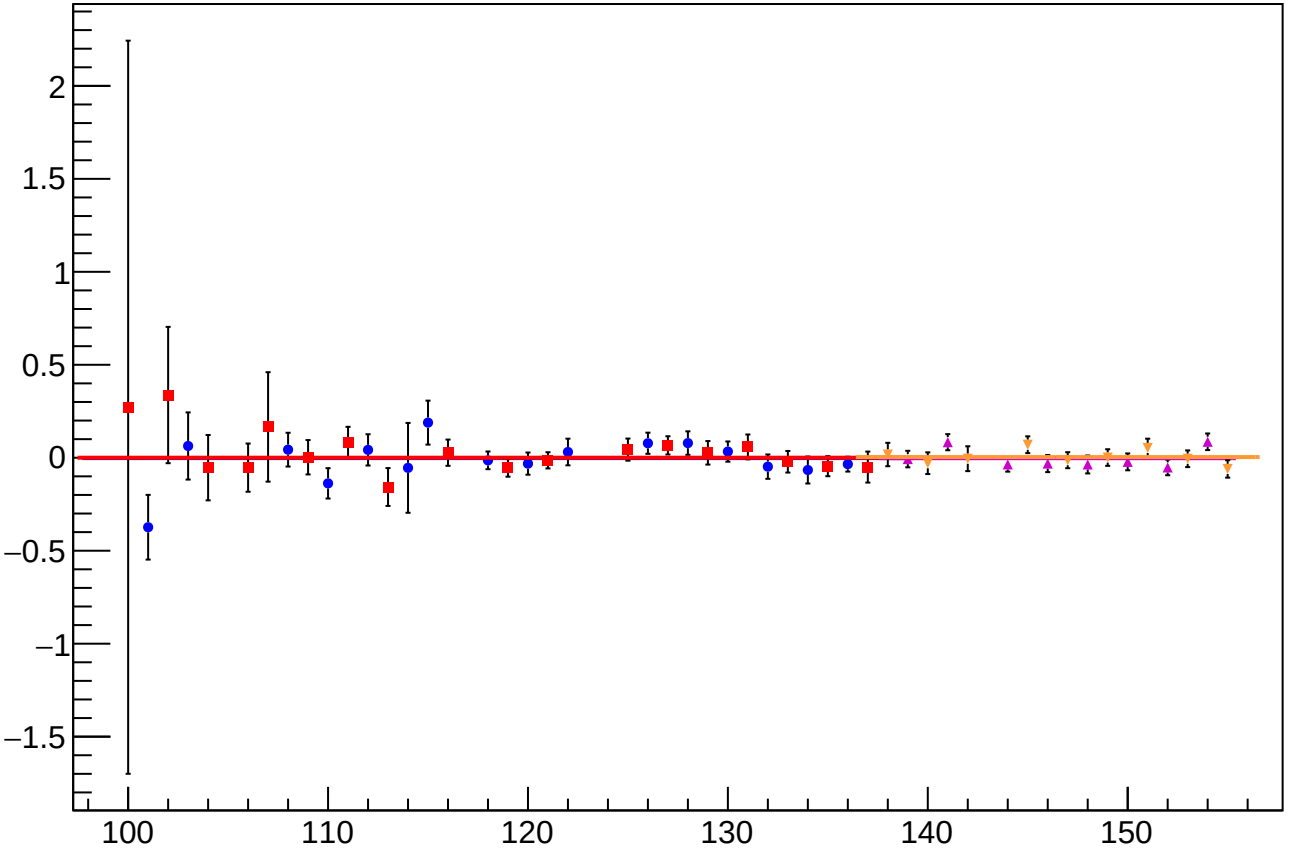
Left In: 37.988+/-0.011 χ^2/NDF:71862.2/7

\+ sign 40.574+/-0.008 χ^2/NDF: 1571474.3/24

All: 38.940+/-0.006 χ^2/NDF: 3558056.0/50

\- sign 37.447+/-0.008 χ^2/NDF: 1914205.5/25

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.017 χ^2/NDF:5.6/8

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

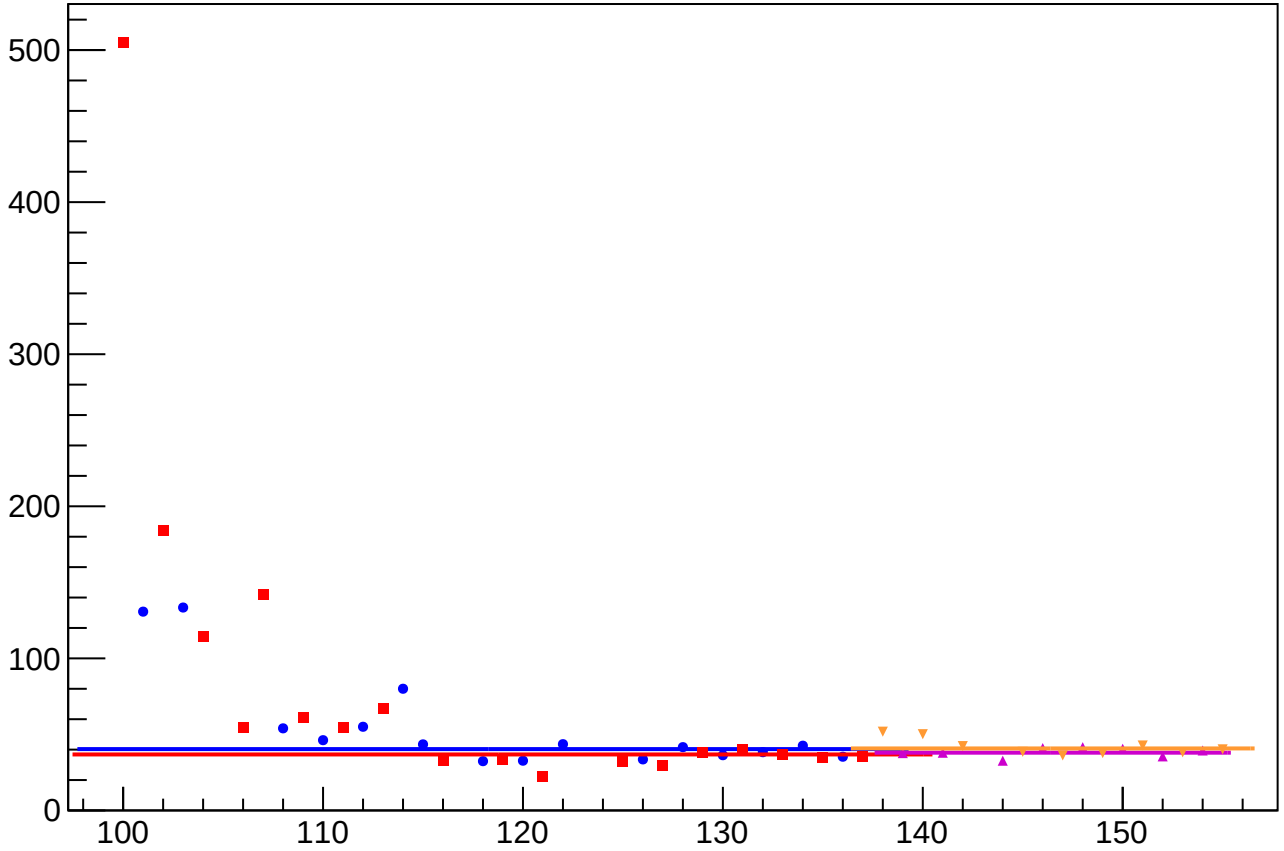
Left In: -0.002+/-0.016 χ^2/NDF:11.1/7

+ sign 0.001+/-0.012 χ^2/NDF: 22.7/24

All: -0.000+/-0.008 χ^2/NDF: 44.7/50

- sign -0.001+/-0.011 χ^2/NDF: 22.0/25

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.782+/-0.012 χ^2/NDF:160785.1/8

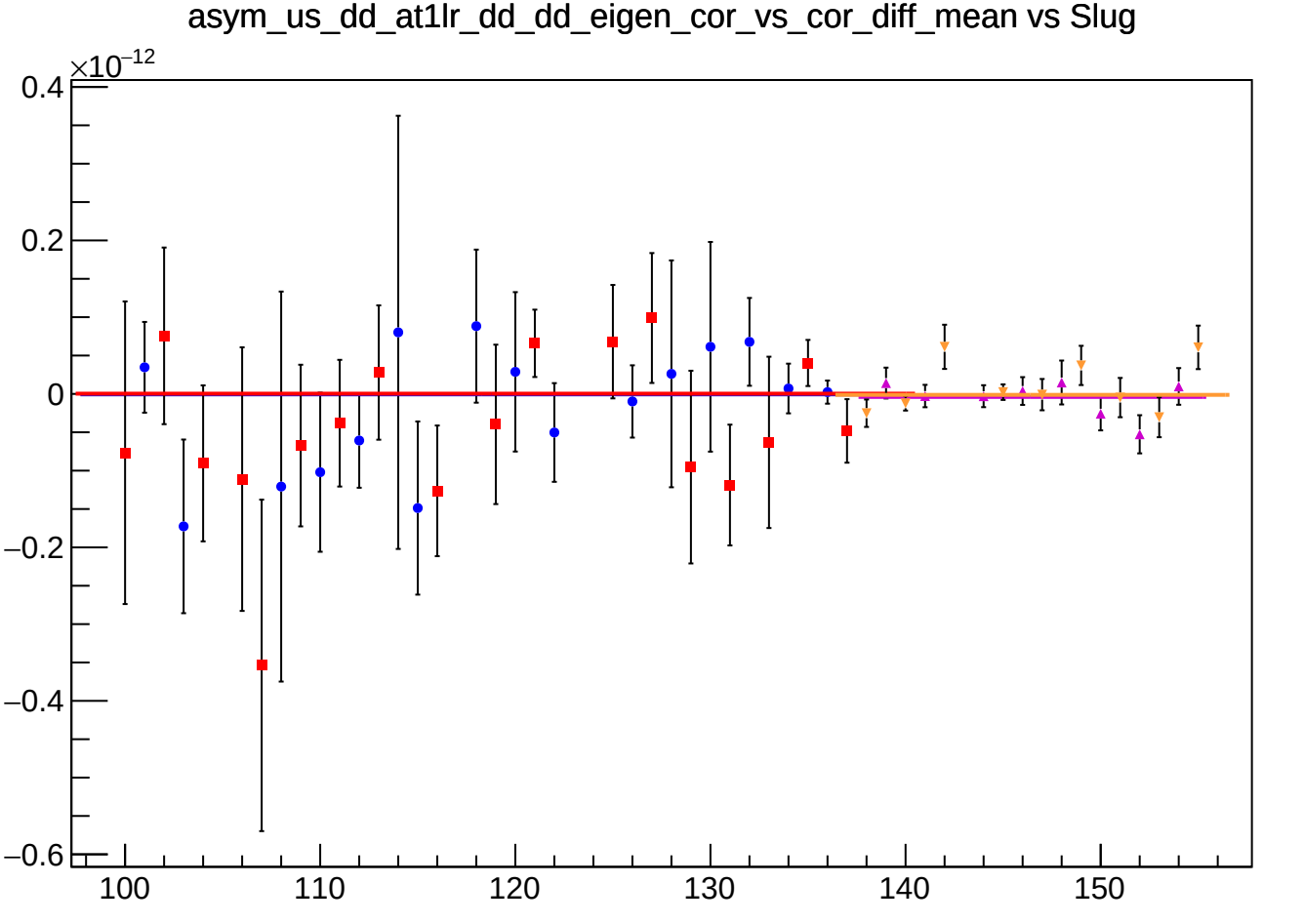
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.988+/-0.011 χ^2/NDF:71862.2/7

+ sign 40.574+/-0.008 χ^2/NDF: 1571474.3/24

All: 38.940+/-0.006 χ^2/NDF: 3558056.0/50

- sign 37.447+/-0.008 χ^2/NDF: 1914205.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/8

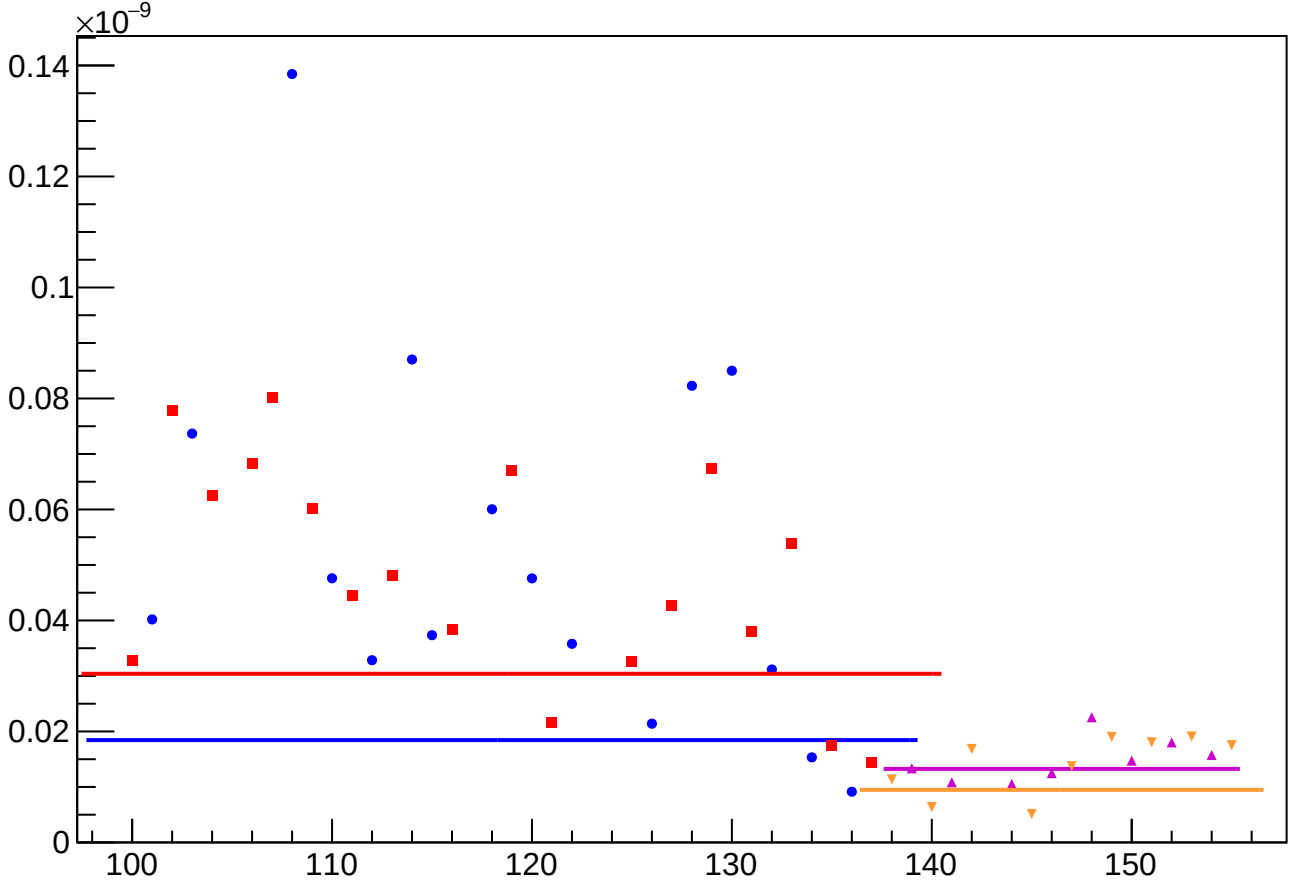
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:6.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 26.2/24

All: -0.000+/-0.000 χ^2/NDF: 51.3/50

- sign -0.000+/-0.000 χ^2/NDF: 25.0/25



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1758722.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

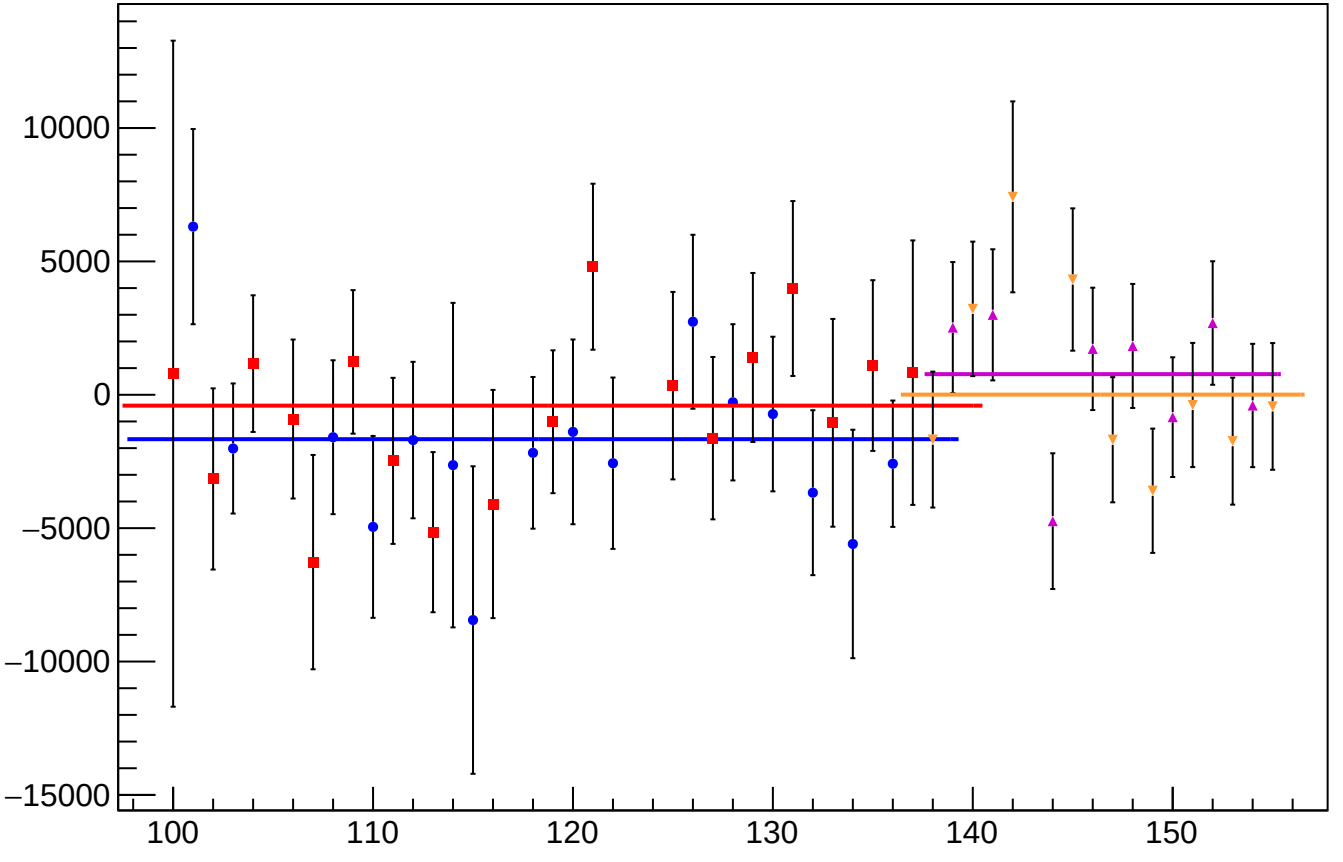
Left In: 0.000+/-0.000 χ^2/NDF:447094.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 6764707.8/24

All: 0.000+/-0.000 χ^2/NDF: 12121664.8/50

- sign 0.000+/-0.000 χ^2/NDF: 4689060.0/25

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 7.056+/-835.016 χ^2/NDF:12.5/8

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

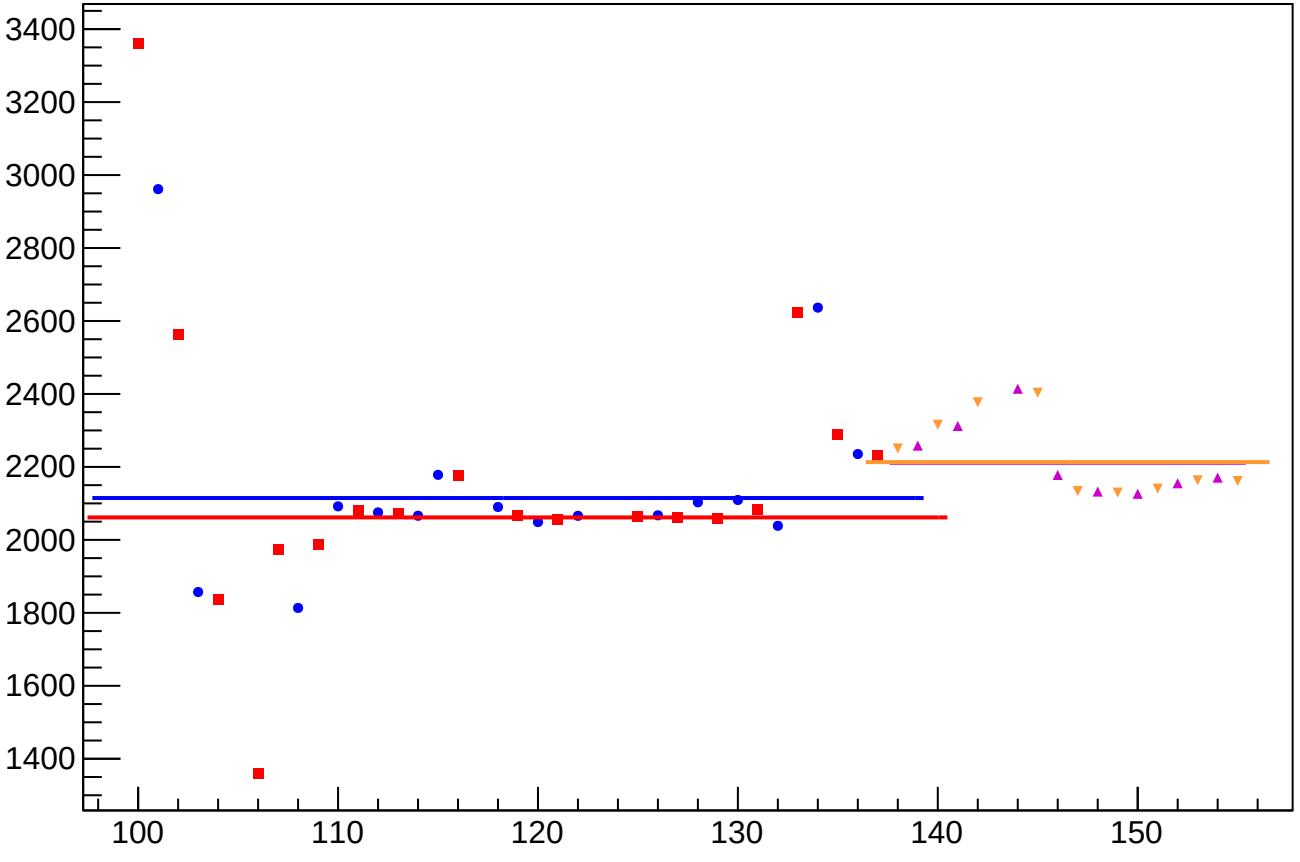
Left In: 773.581+/-835.317 χ^2/NDF:7.9/7

+ sign -872.610+/-574.697 χ^2/NDF: 25.4/24

All: -360.820+/-404.337 χ^2/NDF: 48.6/50

- sign 140.846+/-568.984 χ^2/NDF: 21.7/25

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2213.213+/-0.590 χ^2/NDF:26730.2/8

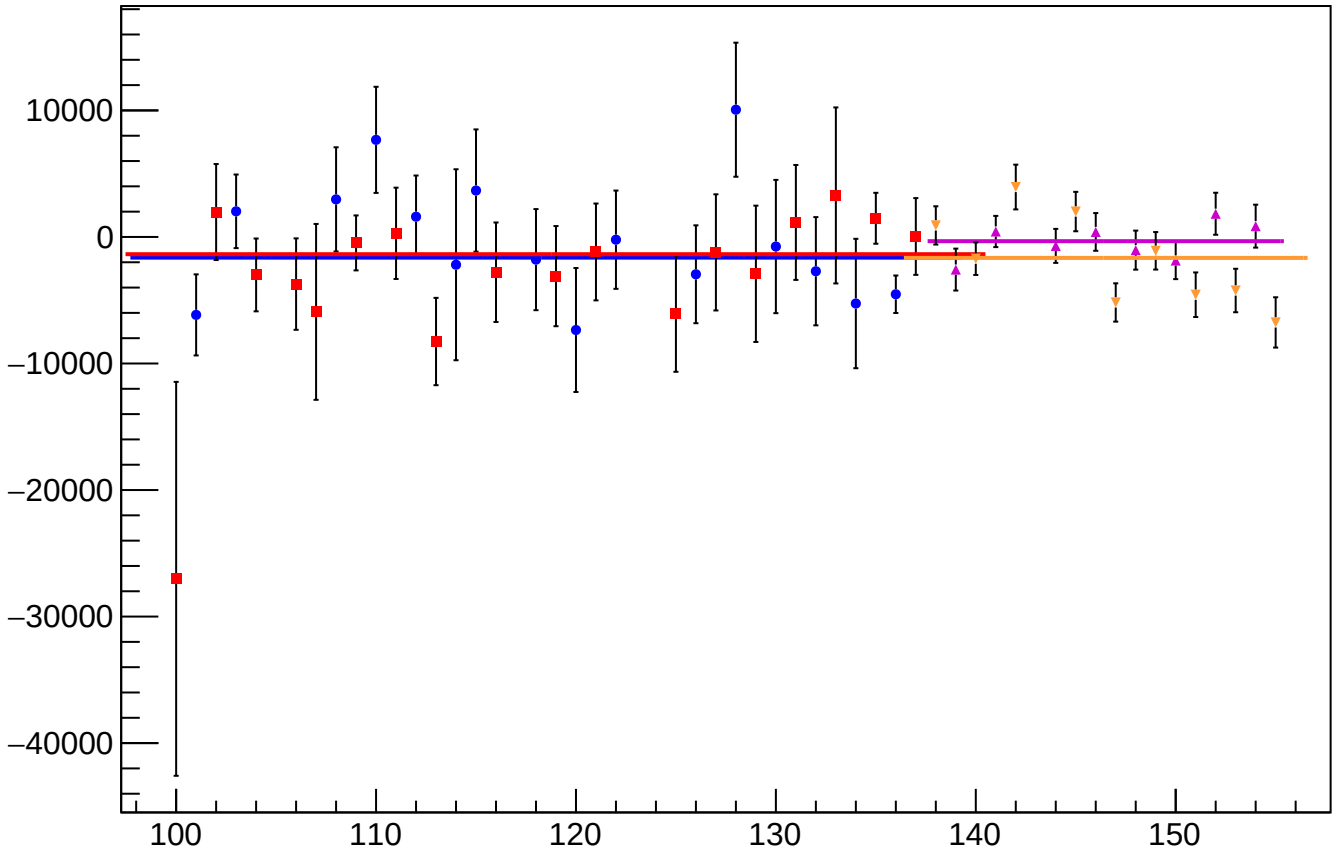
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2211.372+/-0.591 χ^2/NDF:24209.7/7

+ sign 2161.393+/-0.406 χ^2/NDF: 231285.7/24

All: 2146.079+/-0.286 χ^2/NDF: 541976.8/50

- sign 2131.069+/-0.402 χ^2/NDF: 307879.1/25



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1654.017+/-528.441 χ^2/NDF:35.6/8

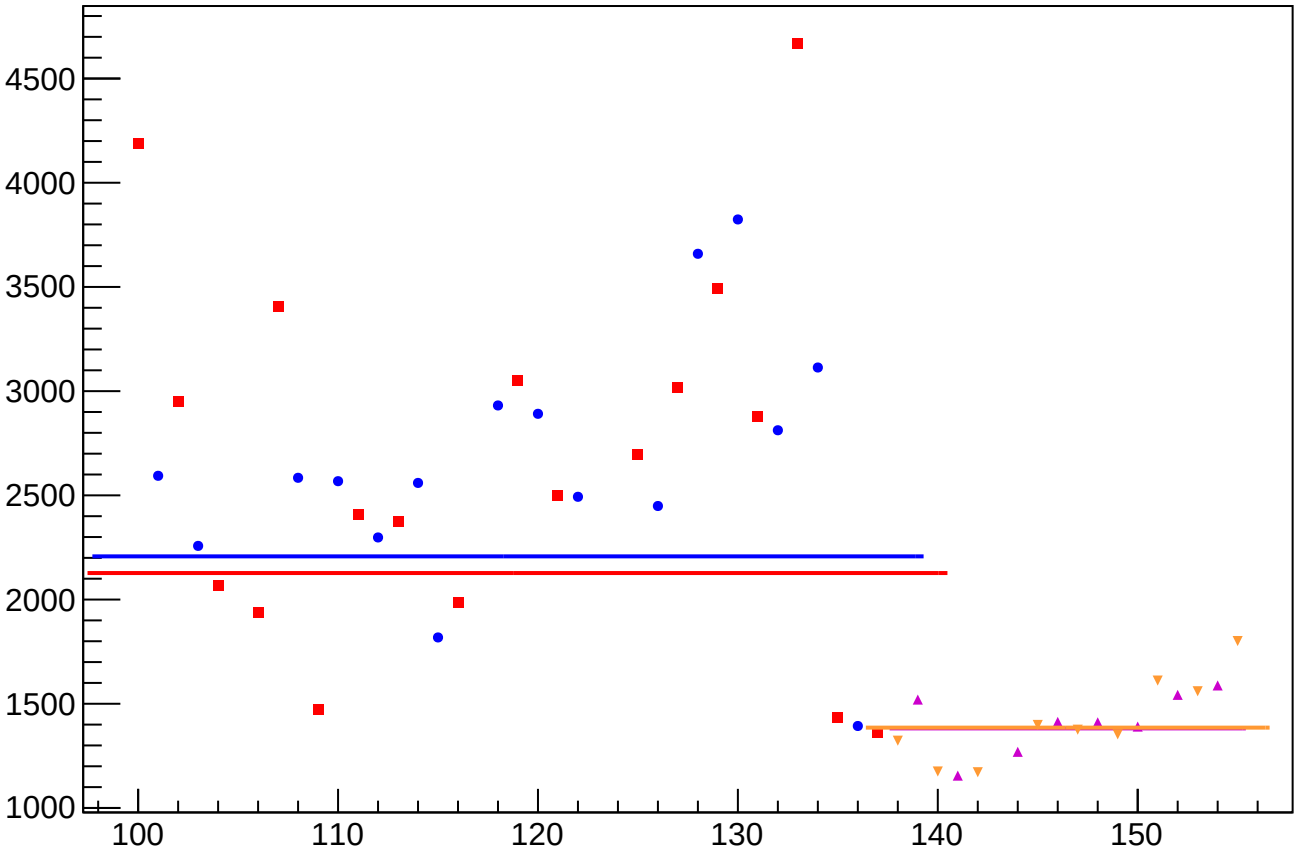
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -332.875+/-525.564 χ^2/NDF:6.0/7

+ sign -1647.591+/-450.581 χ^2/NDF: 58.4/24

All: -1129.176+/-316.835 χ^2/NDF: 81.6/50

- sign -622.150+/-445.605 χ^2/NDF: 20.6/25



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1385.455+/-0.374 χ^2/NDF:228375.7/8

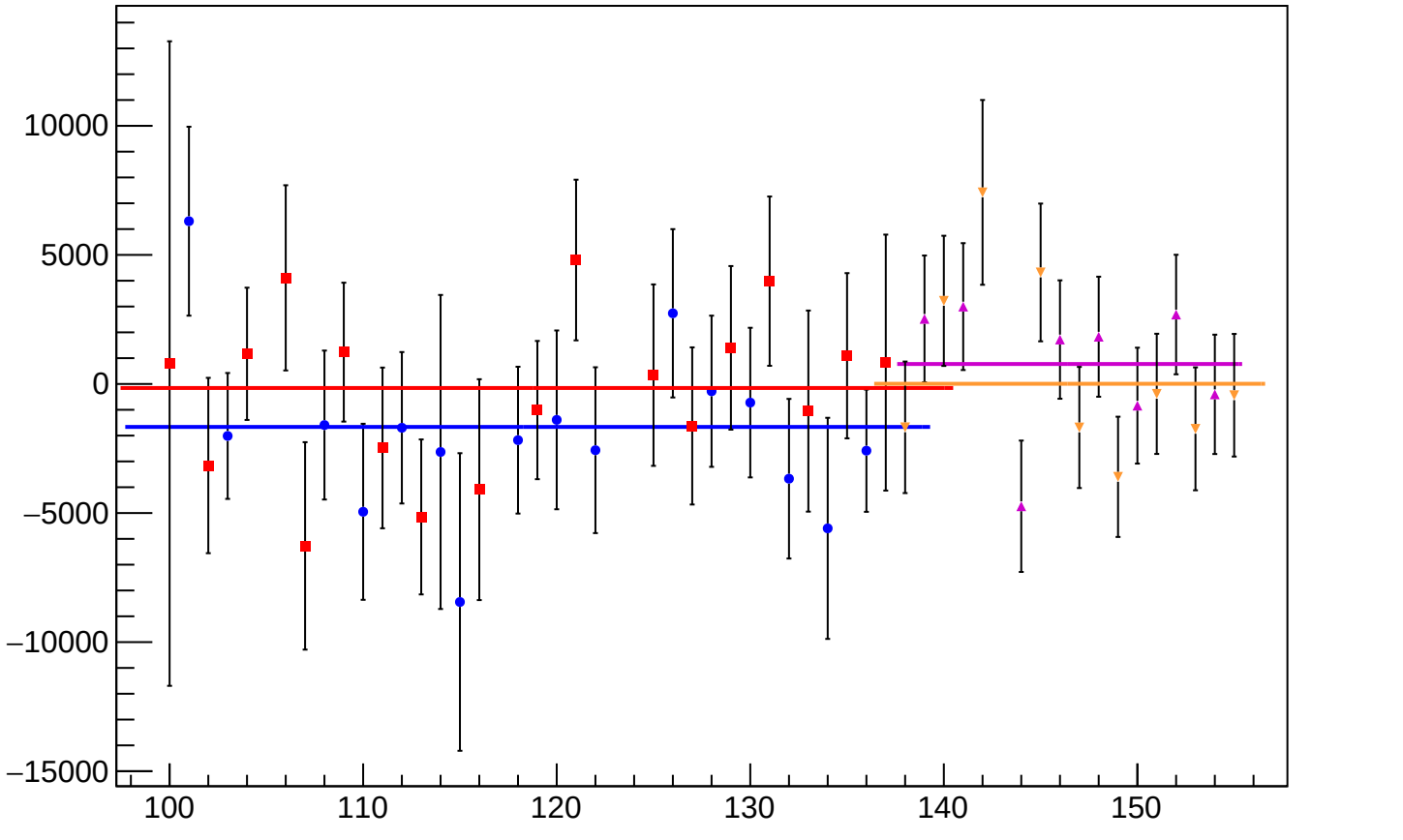
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1381.729+/-0.372 χ^2/NDF:145476.5/7

+ sign 1609.780+/-0.319 χ^2/NDF: 2797963.0/24

All: 1600.443+/-0.224 χ^2/NDF: 5534489.0/50

- sign 1591.311+/-0.315 χ^2/NDF: 2734827.2/25



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 7.191+/-835.016 χ^2/NDF:12.5/8

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

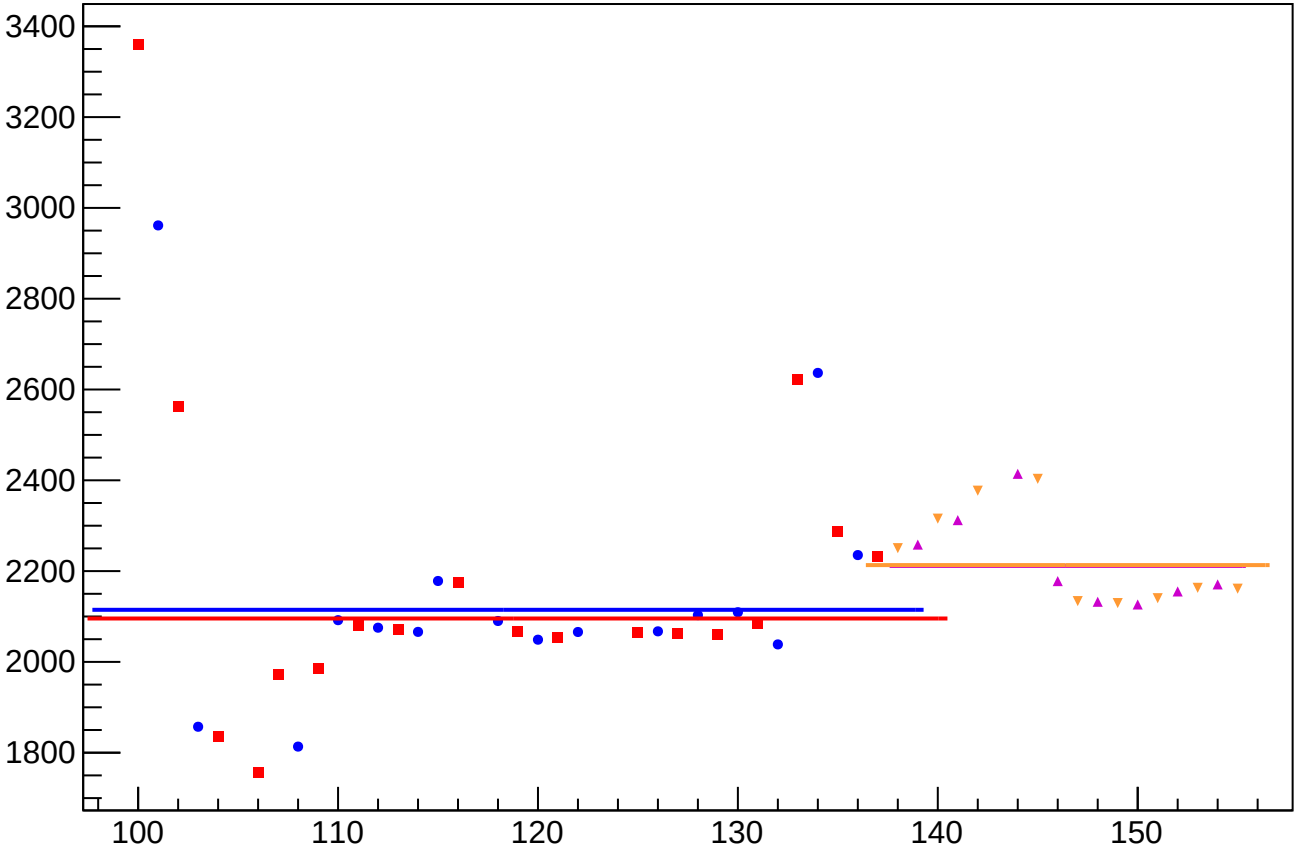
Left In: 773.502+/-835.317 χ^2/NDF:7.9/7

\+ sign -872.507+/-574.697 χ^2/NDF: 25.4/24

All: -293.612+/-405.496 χ^2/NDF: 50.1/50

\- sign 280.317+/-572.227 χ^2/NDF: 22.7/25

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2213.213+/-0.590 χ^2/NDF:26730.2/8

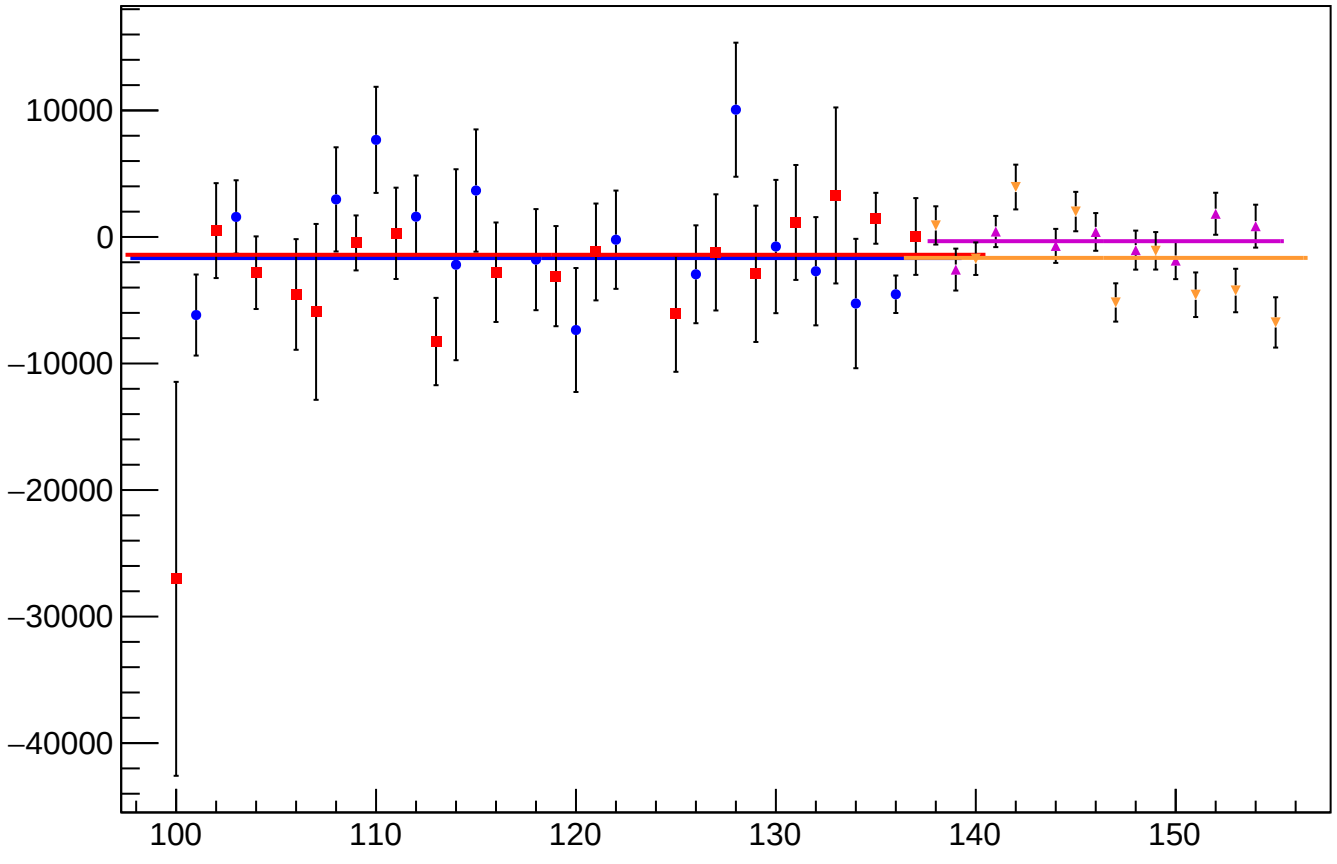
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2211.372+/-0.591 χ^2/NDF:24209.7/7

+ sign 2161.393+/-0.406 χ^2/NDF: 231286.1/24

All: 2155.636+/-0.287 χ^2/NDF: 425646.2/50

- sign 2149.927+/-0.405 χ^2/NDF: 193960.4/25



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1654.044+/-528.446 χ^2/NDF:35.6/8

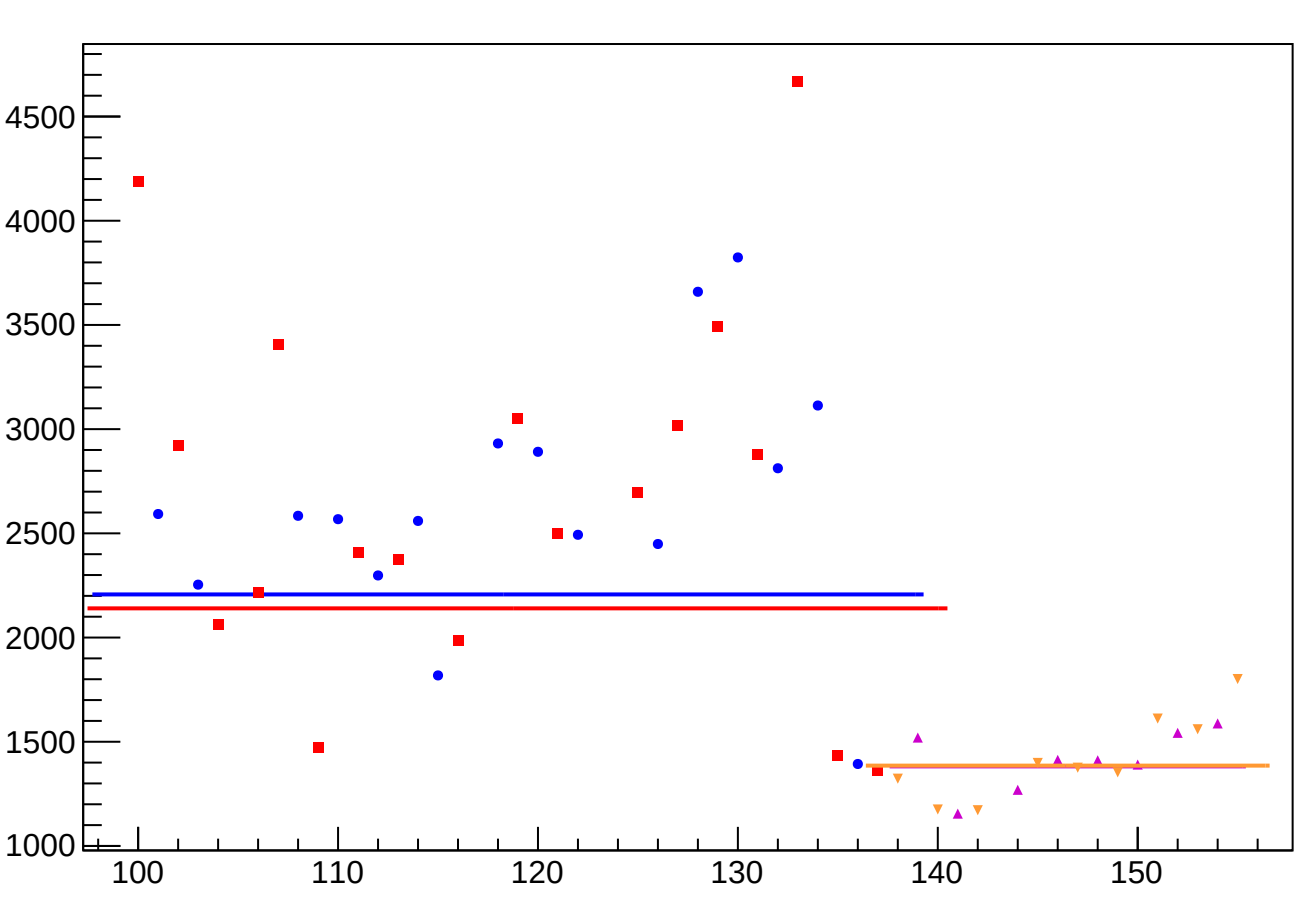
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -332.874+/-525.563 χ^2/NDF:6.0/7

+ sign -1657.987+/-450.543 χ^2/NDF: 58.1/24

All: -1140.321+/-317.174 χ^2/NDF: 80.8/50

- sign -631.704+/-446.587 χ^2/NDF: 20.2/25



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1385.470+/-0.374 χ^2/NDF:228327.0/8

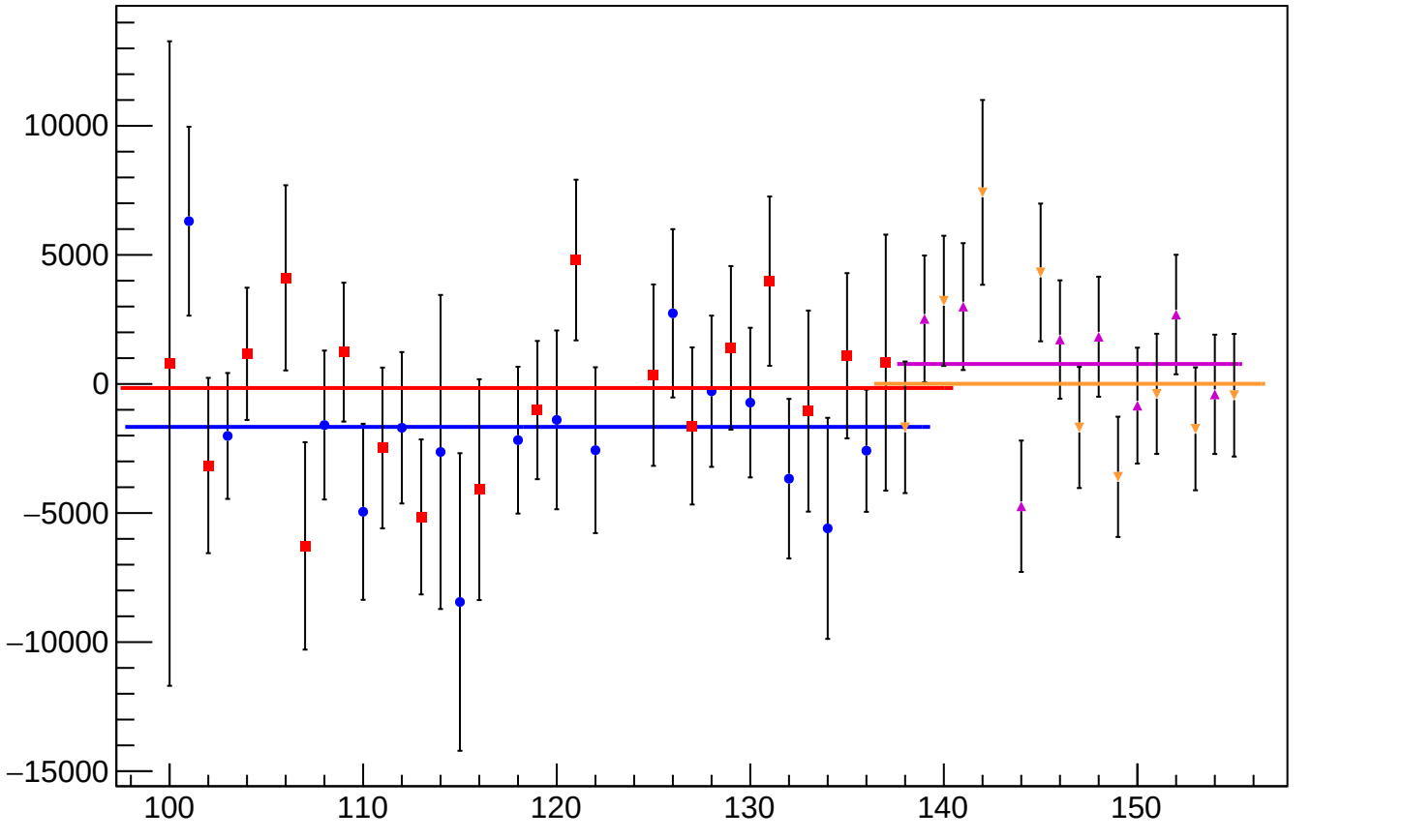
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1381.725+/-0.372 χ^2/NDF:145506.0/7

+ sign 1609.812+/-0.319 χ^2/NDF: 2797186.2/24

All: 1601.084+/-0.224 χ^2/NDF: 5549935.8/50

- sign 1592.508+/-0.316 χ^2/NDF: 2751261.5/25



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 7.191+/-835.016 χ^2/NDF:12.5/8

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

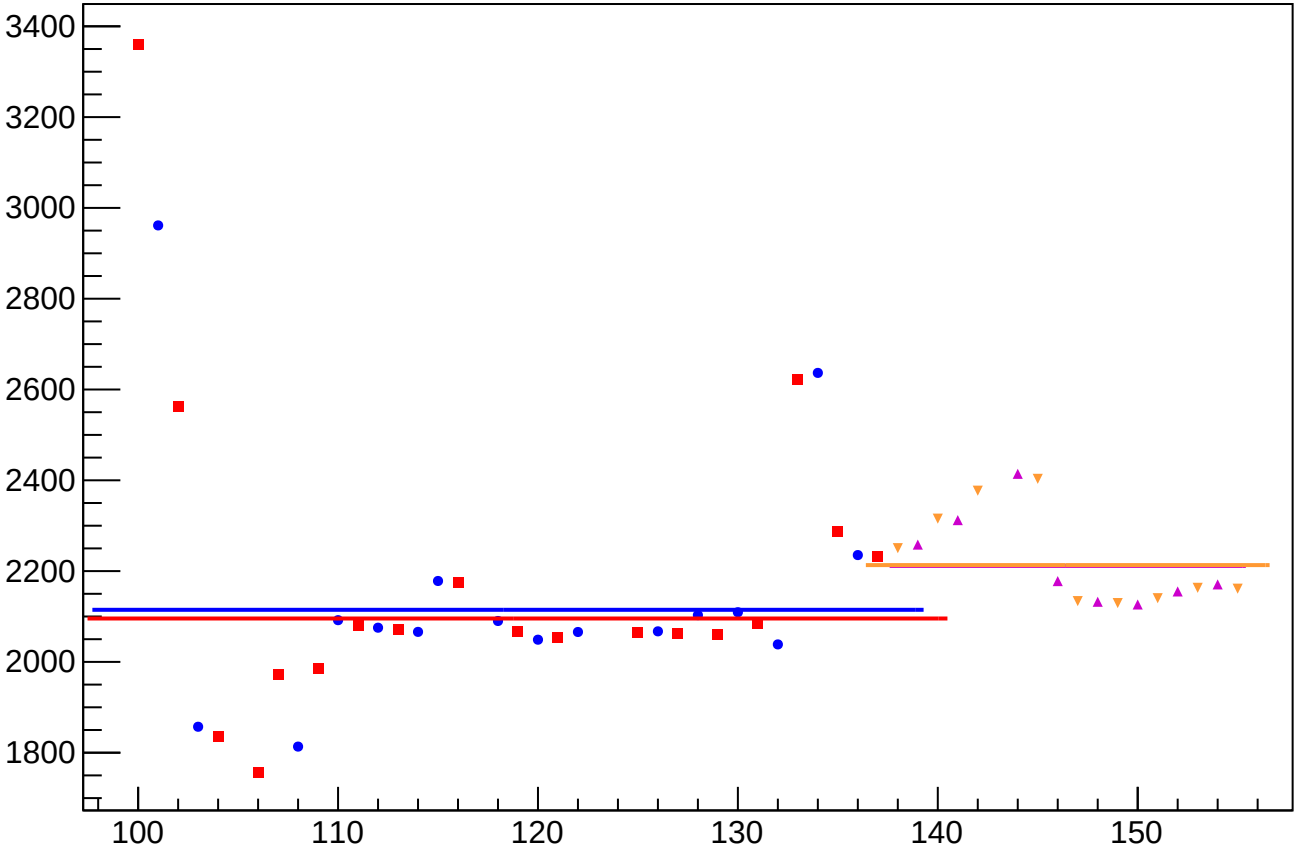
Left In: 773.502+/-835.317 χ^2/NDF:7.9/7

\+ sign -872.507+/-574.697 χ^2/NDF: 25.4/24

All: -293.612+/-405.496 χ^2/NDF: 50.1/50

\- sign 280.317+/-572.227 χ^2/NDF: 22.7/25

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: 2213.213+/-0.590 χ^2/NDF:26730.2/8

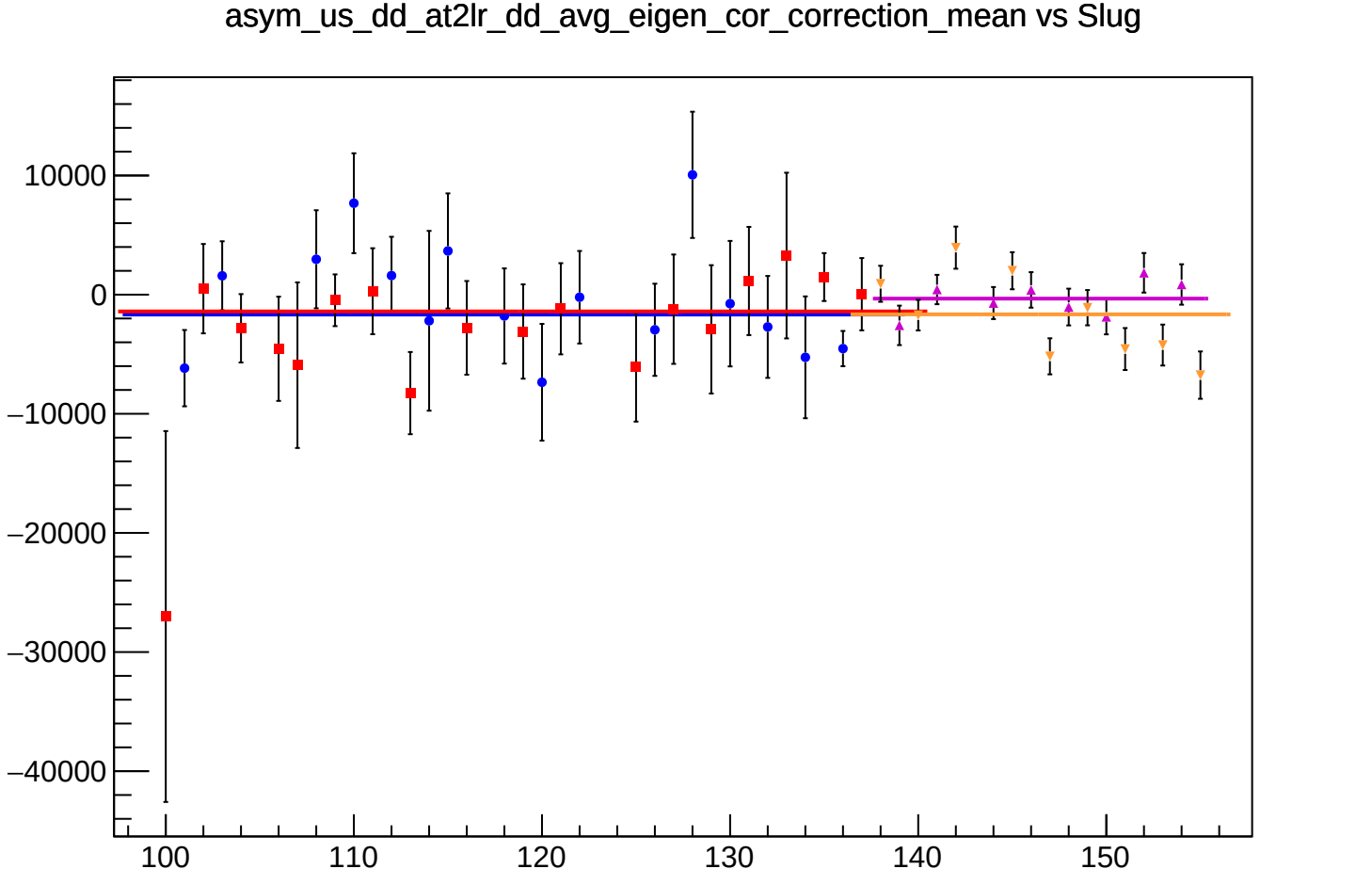
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2211.372+/-0.591 χ^2/NDF:24209.7/7

+ sign 2161.393+/-0.406 χ^2/NDF: 231286.1/24

All: 2155.636+/-0.287 χ^2/NDF: 425646.2/50

- sign 2149.927+/-0.405 χ^2/NDF: 193960.4/25



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1654.044+/-528.446 χ^2/NDF:35.6/8

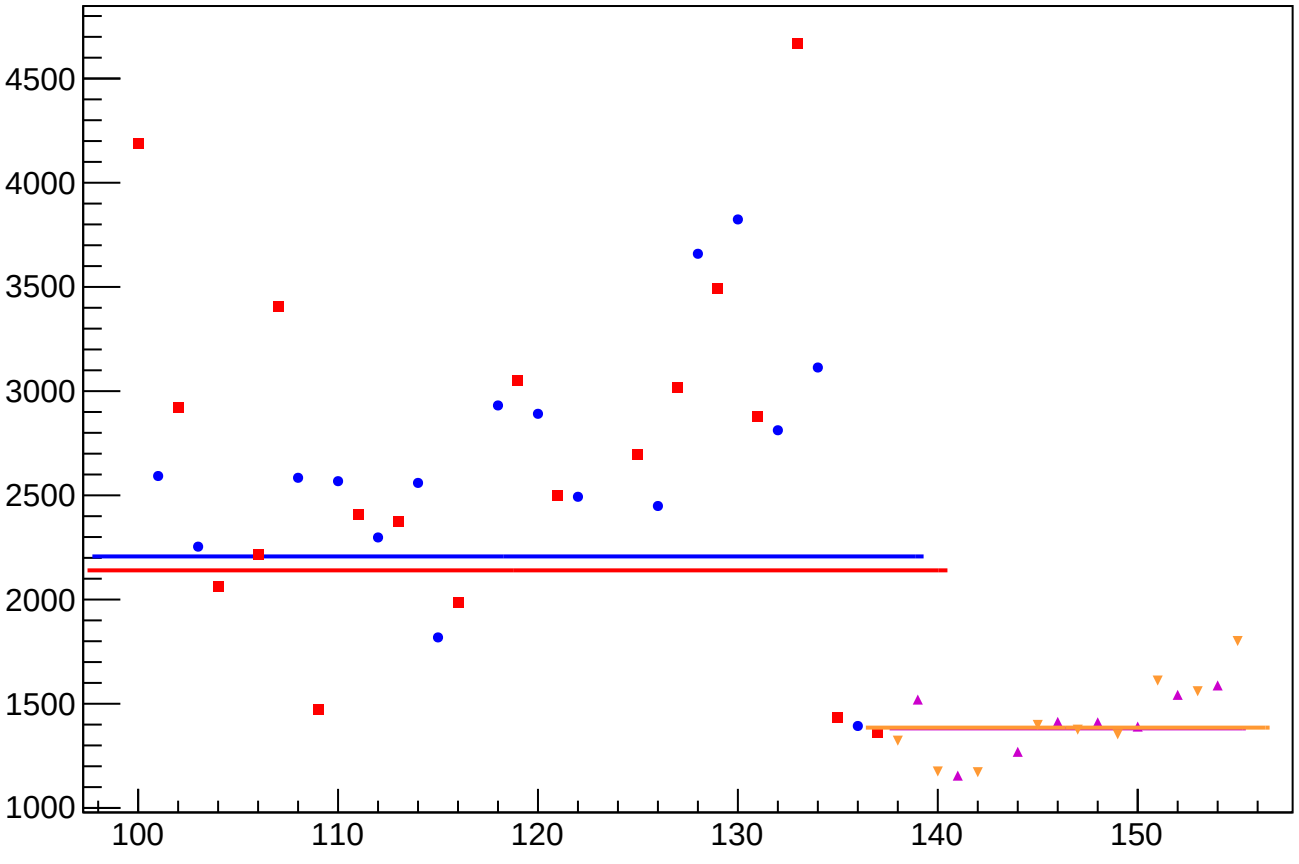
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -332.874+/-525.563 χ^2/NDF:6.0/7

+ sign -1657.987+/-450.543 χ^2/NDF: 58.1/24

All: -1140.321+/-317.174 χ^2/NDF: 80.8/50

- sign -631.704+/-446.587 χ^2/NDF: 20.2/25



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1385.470+/-0.374 χ^2/NDF:228327.0/8

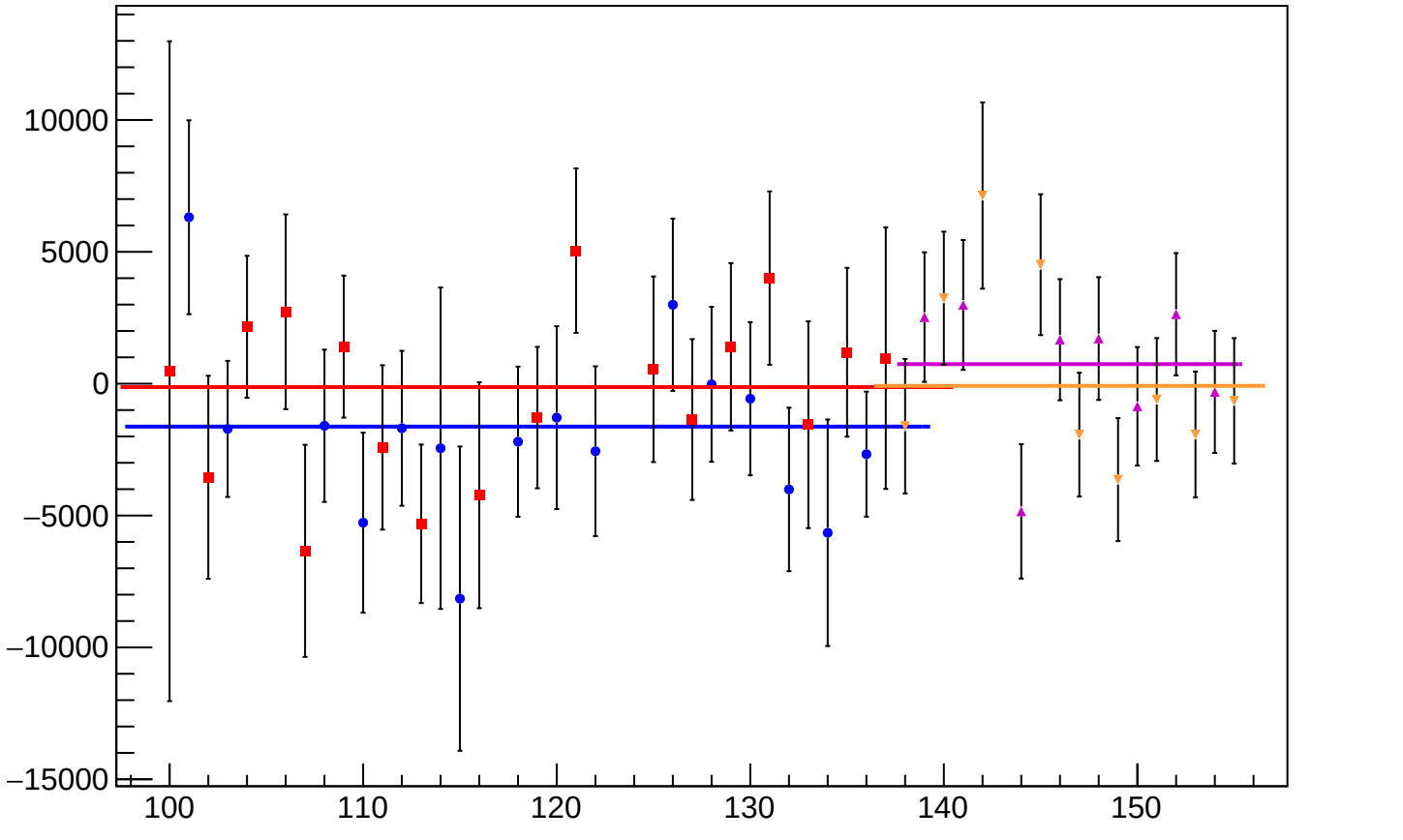
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1381.725+/-0.372 χ^2/NDF:145506.0/7

+ sign 1609.812+/-0.319 χ^2/NDF: 2797186.2/24

All: 1601.084+/-0.224 χ^2/NDF: 5549935.8/50

- sign 1592.508+/-0.316 χ^2/NDF: 2751261.5/25



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -82.951+/-835.260 χ^2/NDF:12.9/8

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

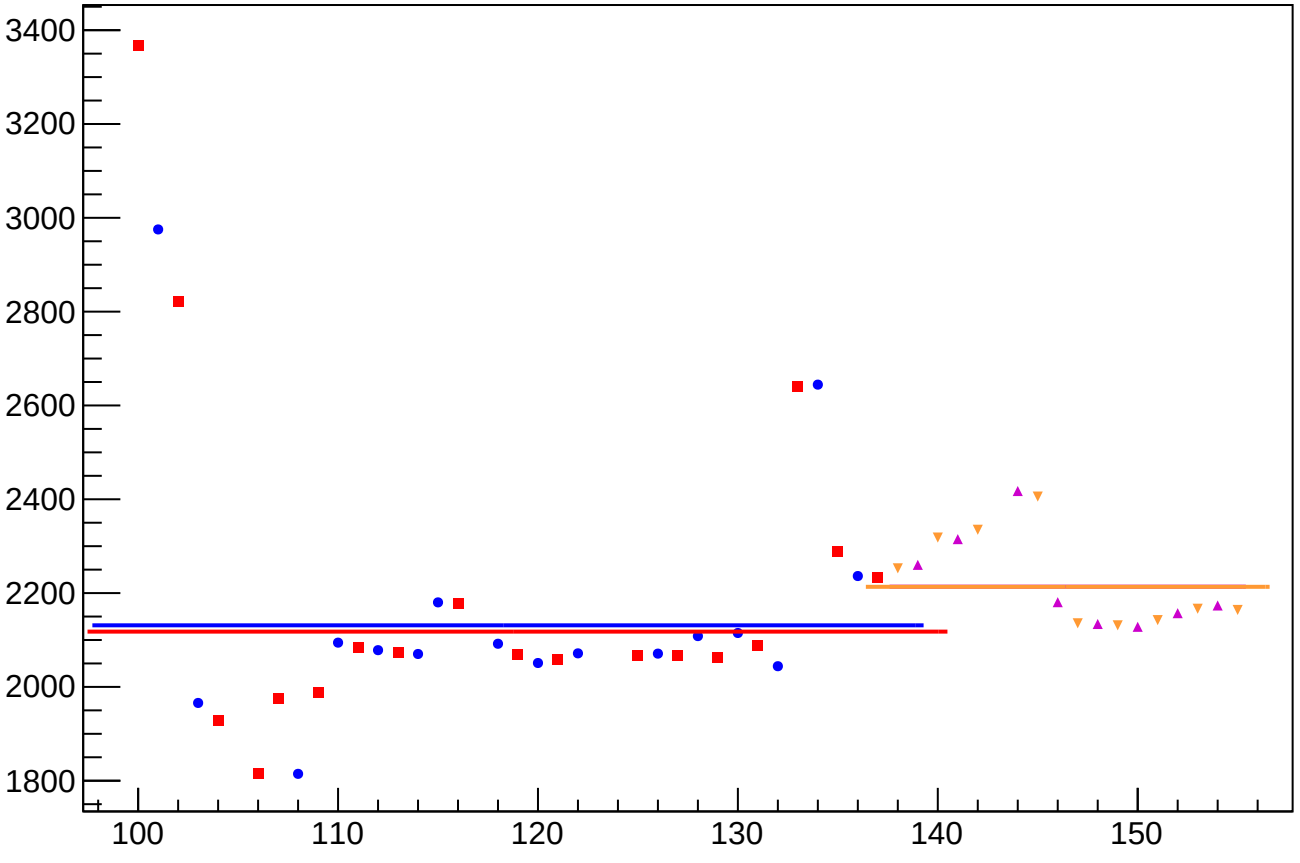
Left In: 741.619+/-836.188 χ^2/NDF:7.9/7

+ sign -890.546+/-576.981 χ^2/NDF: 26.0/24

All: -302.134+/-407.818 χ^2/NDF: 51.1/50

- sign 285.303+/-576.503 χ^2/NDF: 23.0/25

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2213.375+/-0.591 χ^2/NDF:24848.0/8

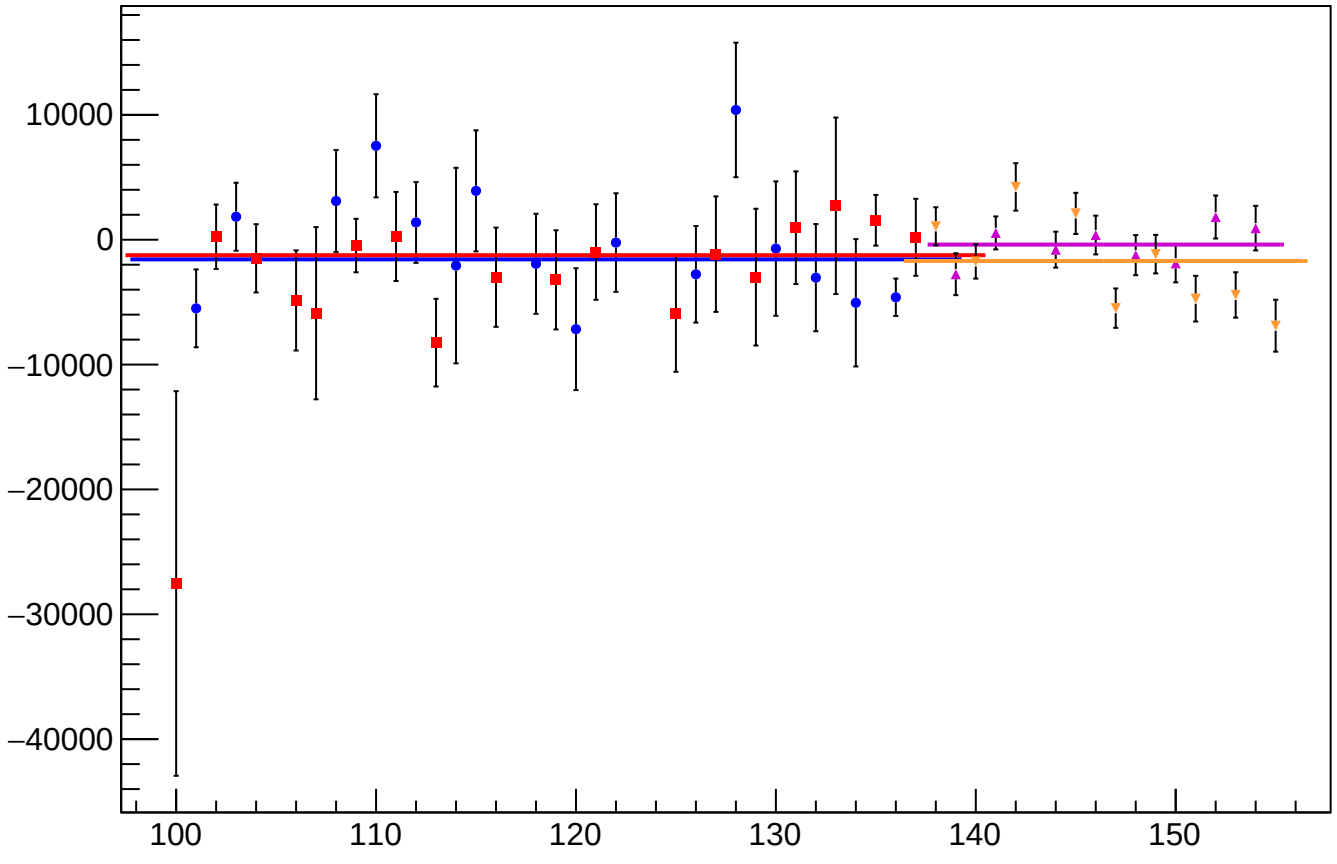
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2213.658+/-0.591 χ^2/NDF:24358.5/7

\+ sign 2170.464+/-0.408 χ^2/NDF: 210888.2/24

All: 2166.929+/-0.288 χ^2/NDF: 412790.1/50

\- sign 2163.399+/-0.408 χ^2/NDF: 201751.9/25



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1701.226+/-553.695 χ^2/NDF:35.5/8

Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

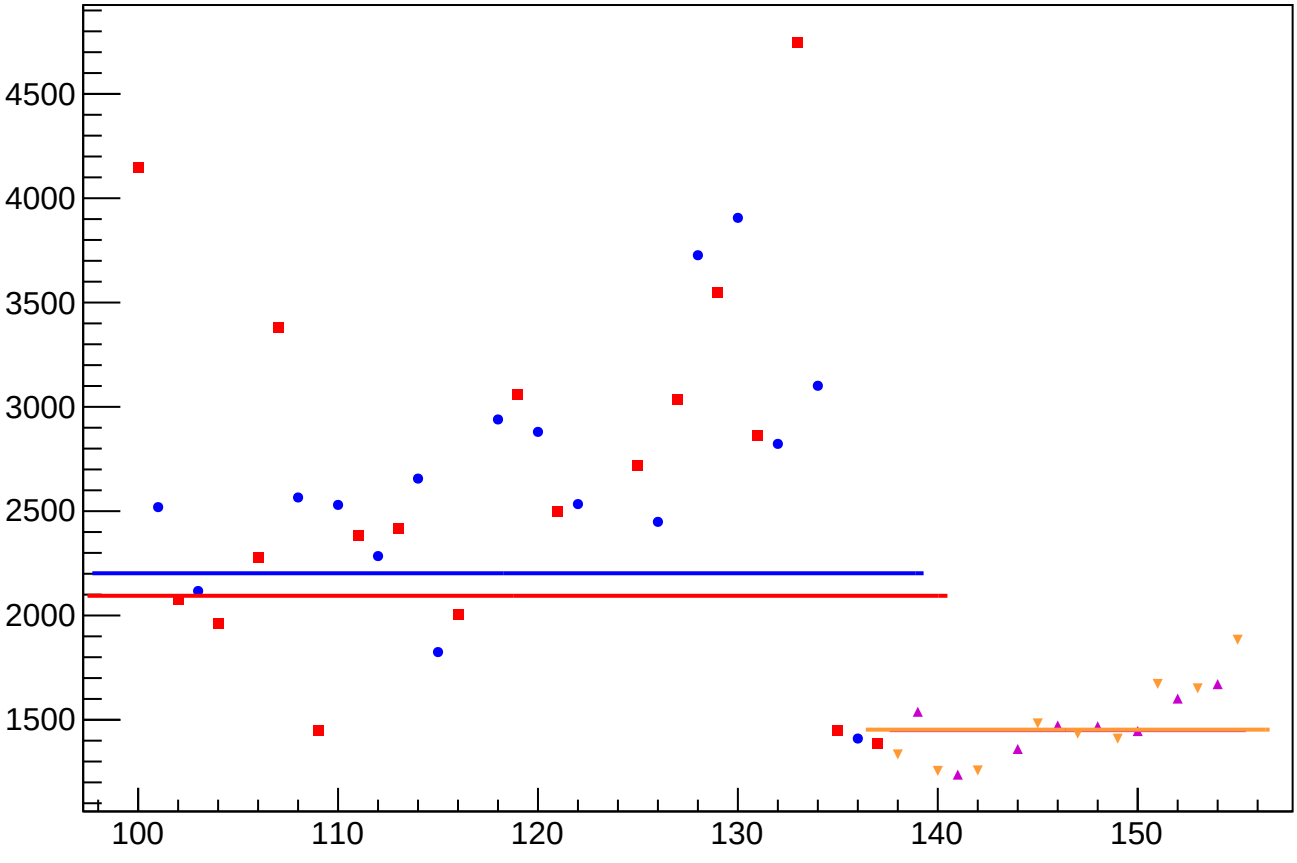
Left In: -388.339+/-550.996 χ^2/NDF:6.2/7

+ sign -1663.070+/-465.511 χ^2/NDF: 58.1/24

All: -1149.390+/-326.224 χ^2/NDF: 80.5/50

- sign -653.673+/-457.300 χ^2/NDF: 20.1/25

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1452.764+/-0.392 χ^2/NDF:215789.1/8

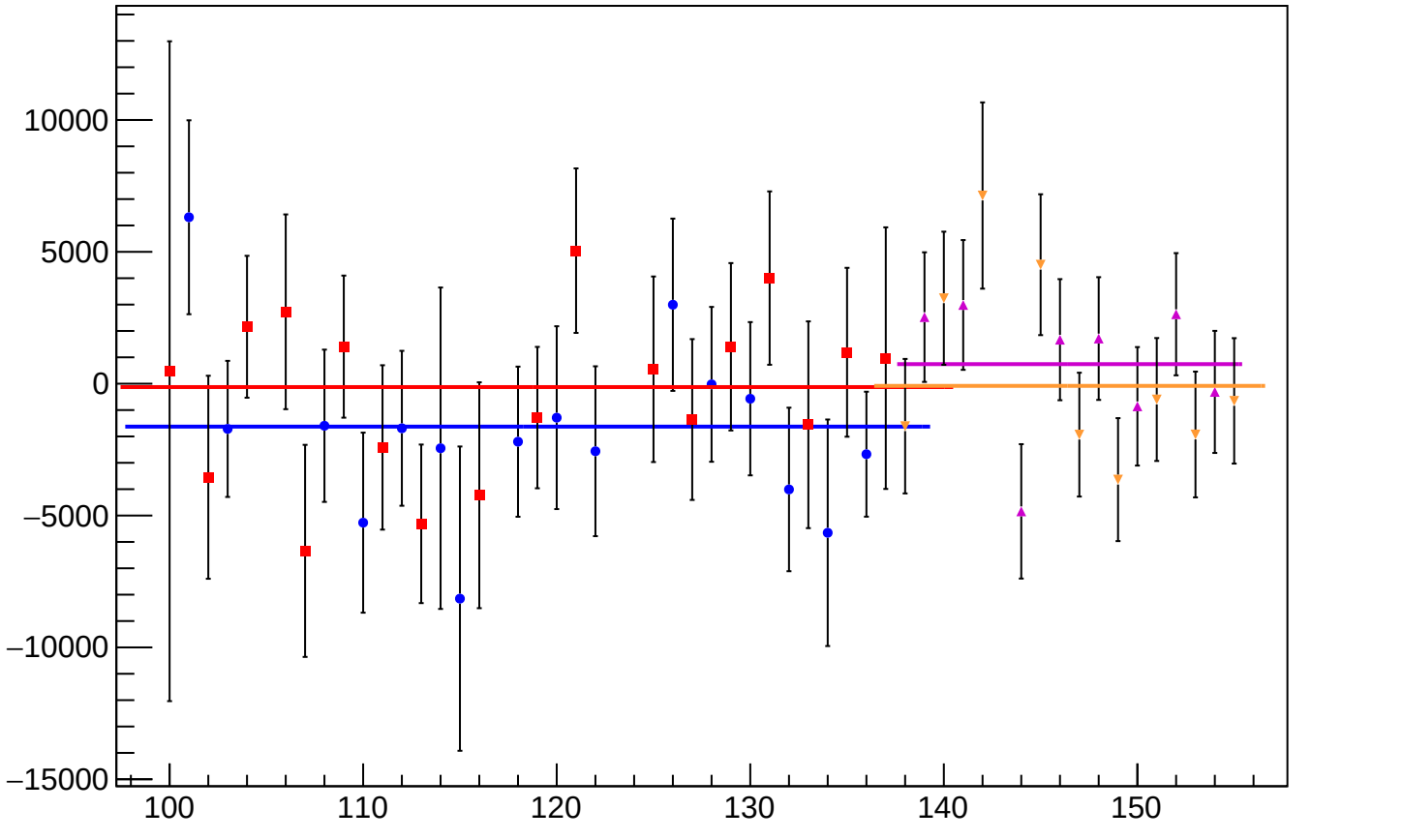
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1450.550+/-0.390 χ^2/NDF:112196.9/7

+ sign 1672.525+/-0.329 χ^2/NDF: 2513425.5/24

All: 1661.529+/-0.231 χ^2/NDF: 4851407.3/50

- sign 1650.918+/-0.323 χ^2/NDF: 2335789.0/25



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -82.946+/-835.260 χ^2/NDF:12.9/8

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

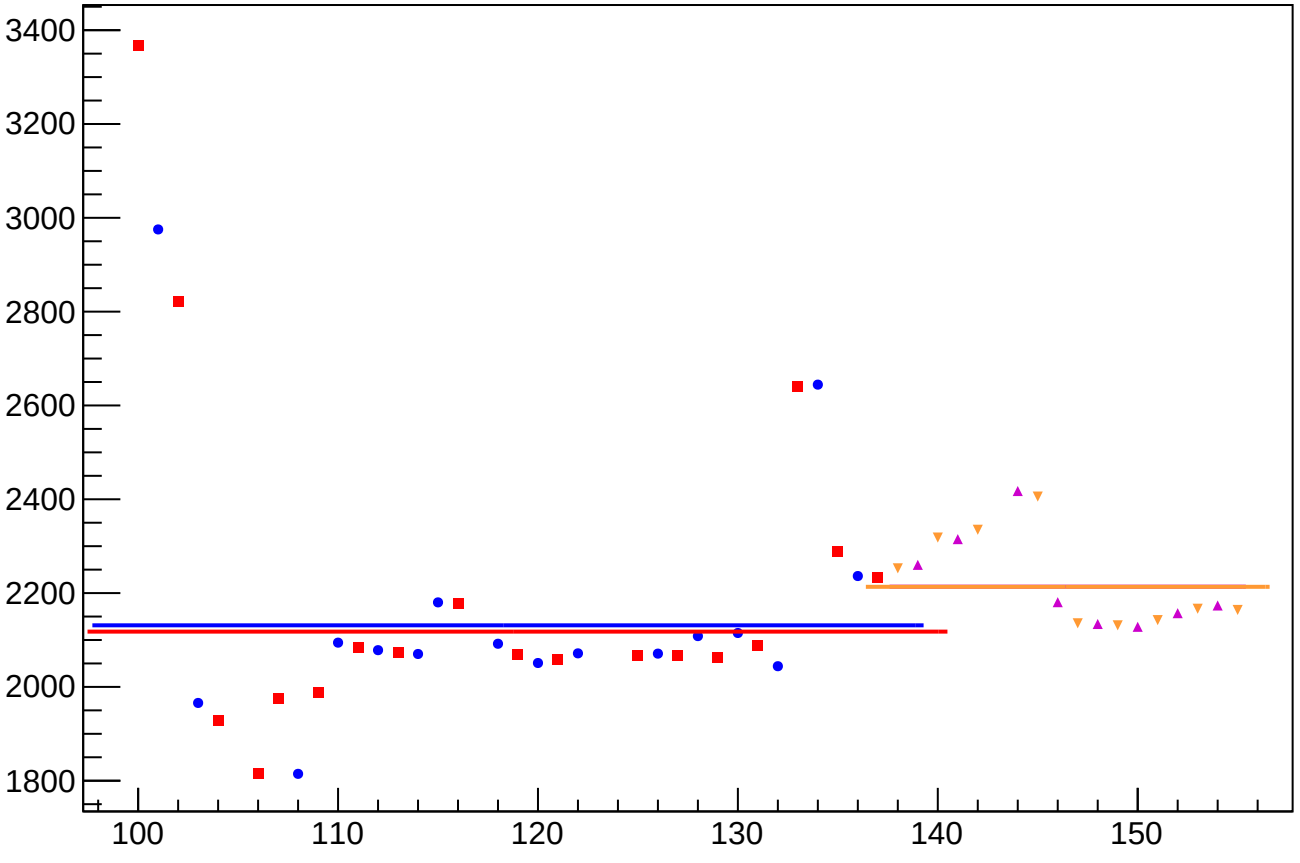
Left In: 741.613+/-836.188 χ^2/NDF:7.9/7

+ sign -890.545+/-576.981 χ^2/NDF: 26.0/24

All: -302.133+/-407.818 χ^2/NDF: 51.1/50

- sign 285.304+/-576.503 χ^2/NDF: 23.0/25

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: 2213.375+/-0.591 χ^2/NDF:24848.1/8

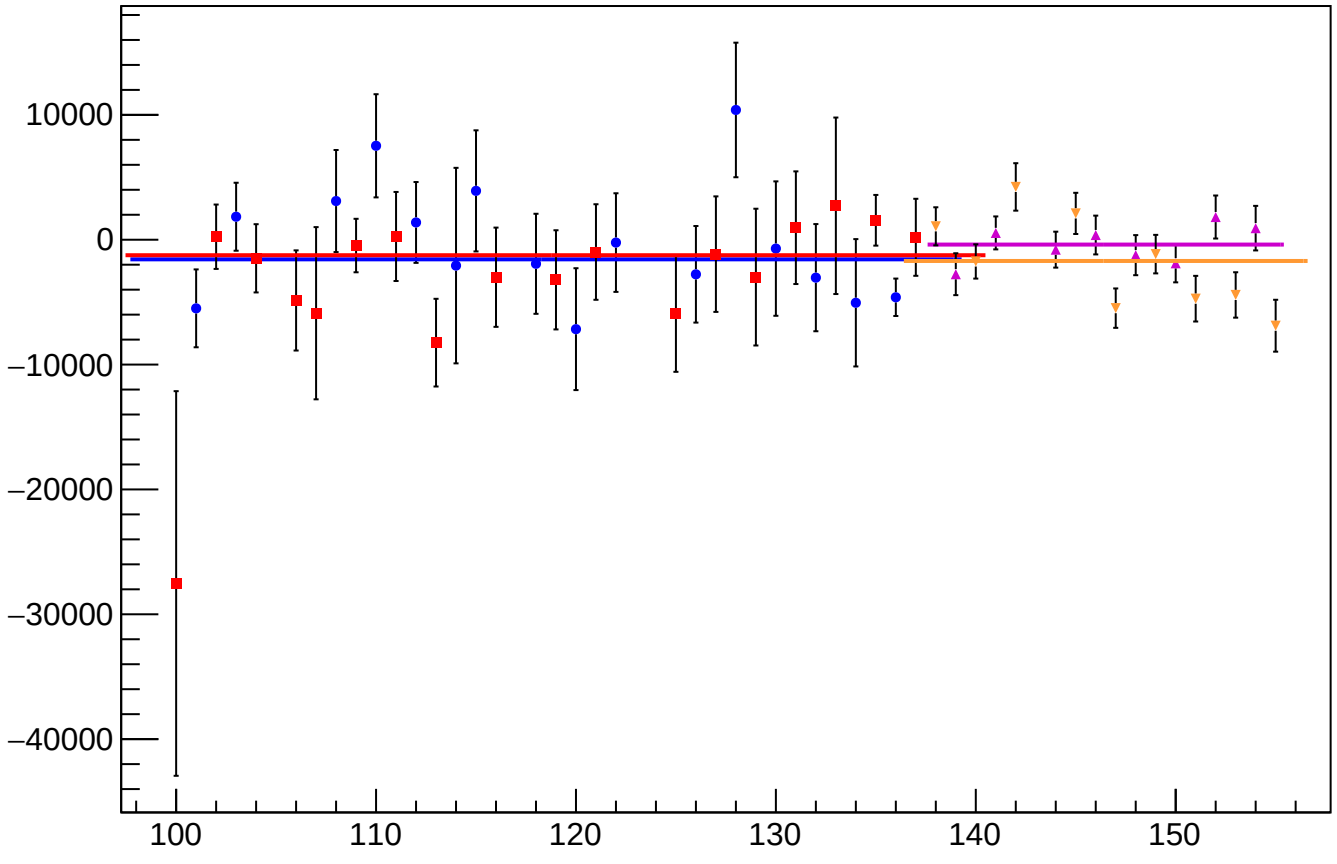
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2213.658+/-0.591 χ^2/NDF:24358.6/7

+ sign 2170.464+/-0.408 χ^2/NDF: 210888.2/24

All: 2166.928+/-0.288 χ^2/NDF: 412790.1/50

- sign 2163.399+/-0.408 χ^2/NDF: 201751.9/25



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1701.241+/-553.697 χ^2/NDF:35.5/8

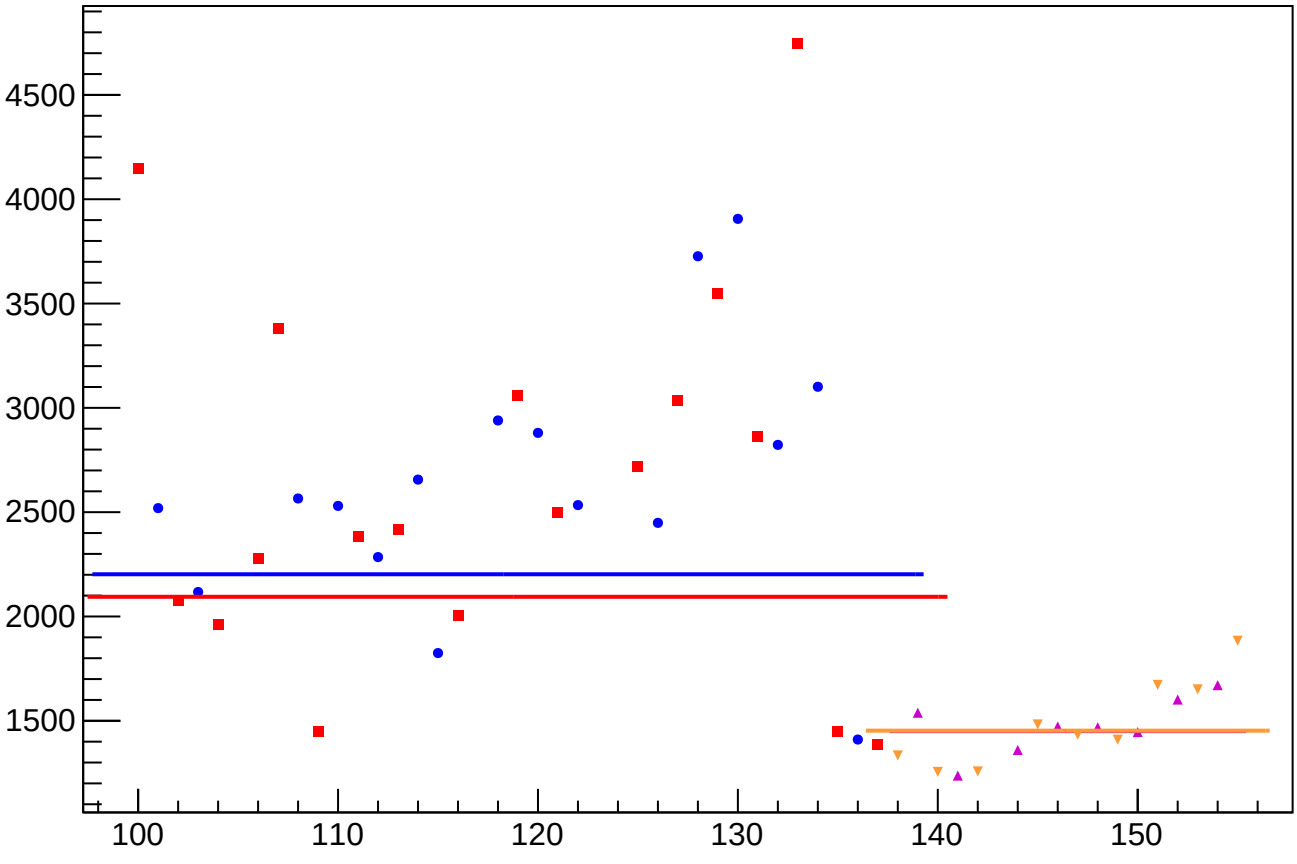
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -388.337+/-550.996 χ^2/NDF:6.2/7

+ sign -1663.076+/-465.512 χ^2/NDF: 58.1/24

All: -1149.394+/-326.225 χ^2/NDF: 80.5/50

- sign -653.675+/-457.300 χ^2/NDF: 20.1/25



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1452.769+/-0.392 χ^2/NDF:215778.8/8

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

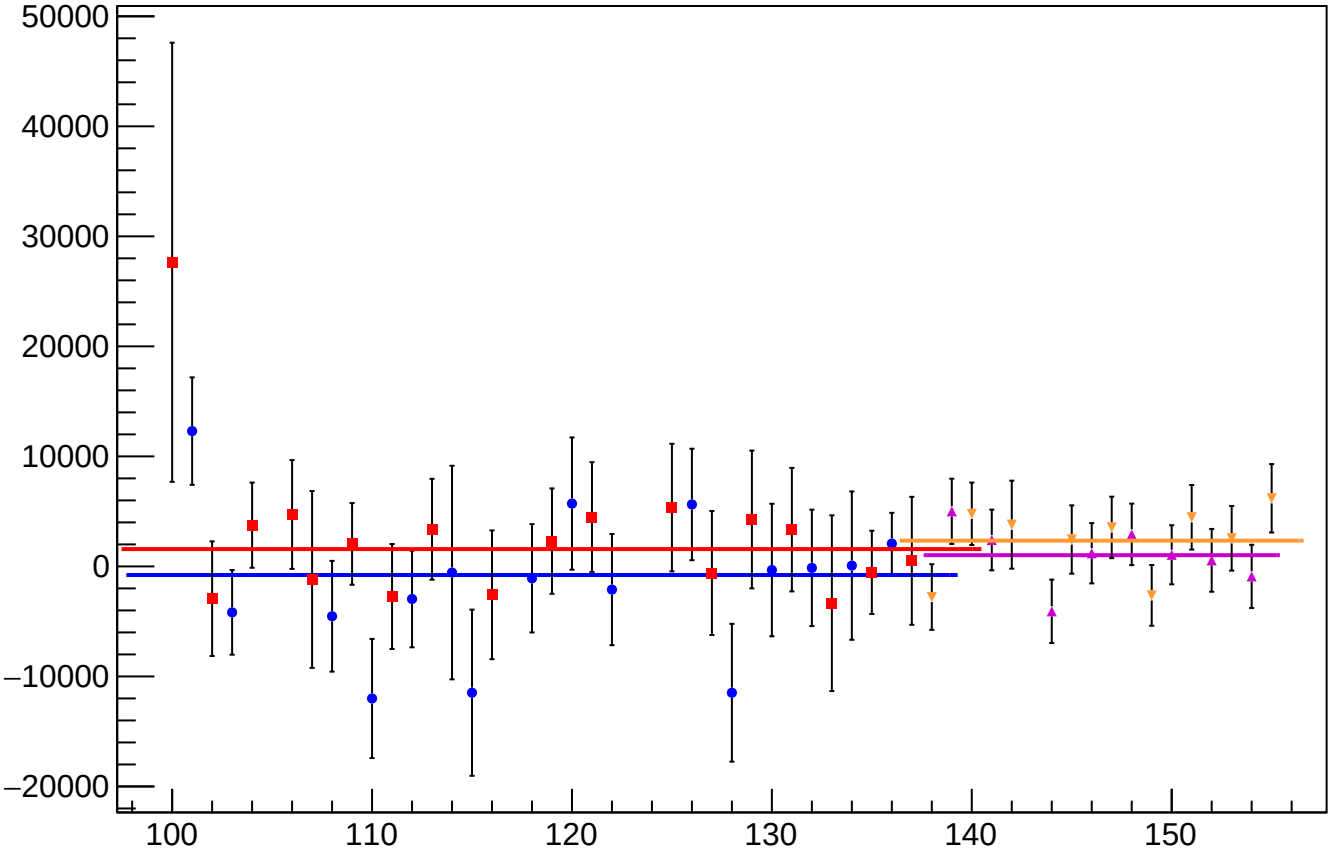
Left In: 1450.551+/-0.390 χ^2/NDF:112197.4/7

+ sign 1672.532+/-0.329 χ^2/NDF: 2513370.0/24

All: 1661.534+/-0.231 χ^2/NDF: 4851331.7/50

- sign 1650.921+/-0.323 χ^2/NDF: 2335768.3/25

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2341.613+/-1001.517 χ^2/NDF:9.3/8

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

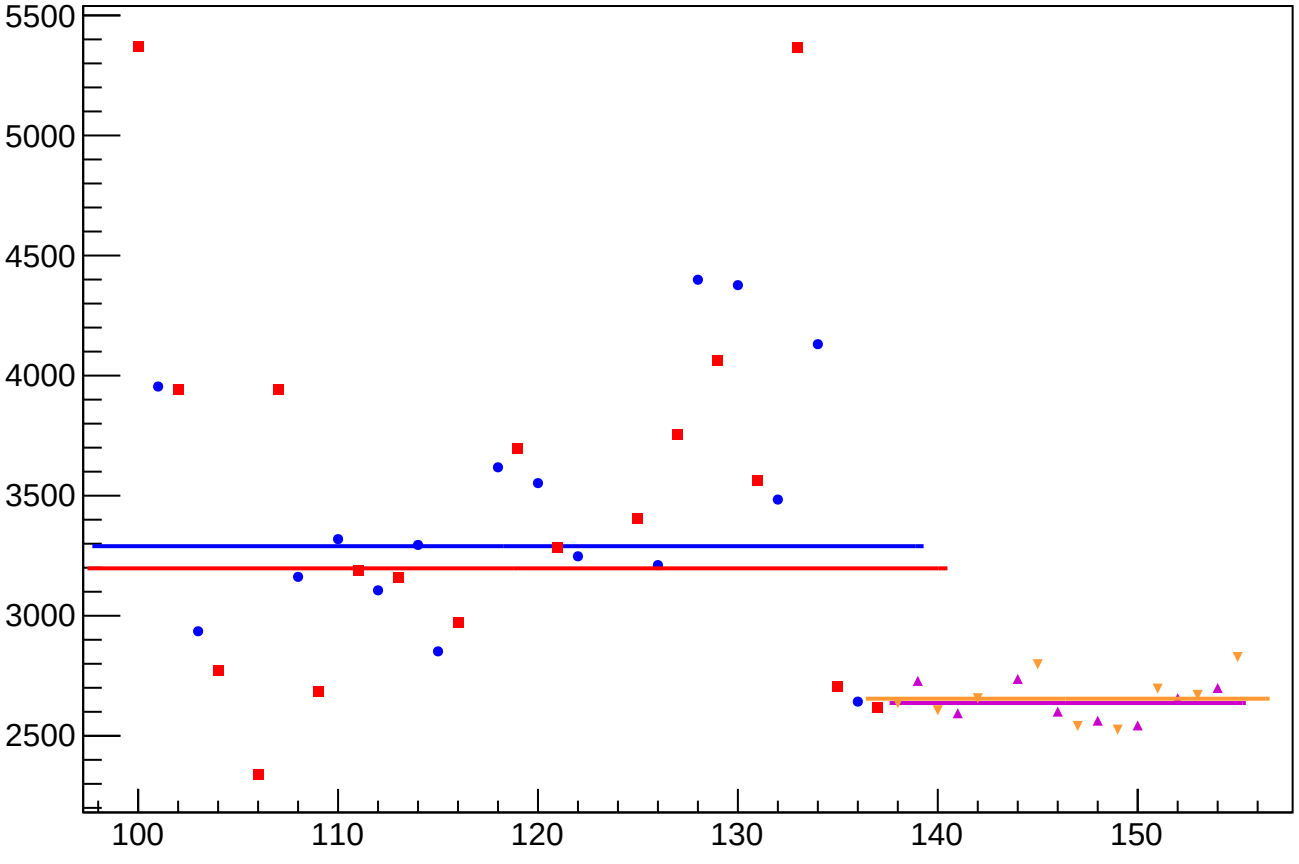
Left In: 1021.886+/-995.625 χ^2/NDF:6.1/7

+ sign 1110.628+/-779.552 χ^2/NDF: 35.0/24

All: 1177.583+/-548.214 χ^2/NDF: 48.0/50

- sign 1243.094+/-771.100 χ^2/NDF: 13.0/25

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2654.617+/-0.708 χ^2/NDF:19249.9/8

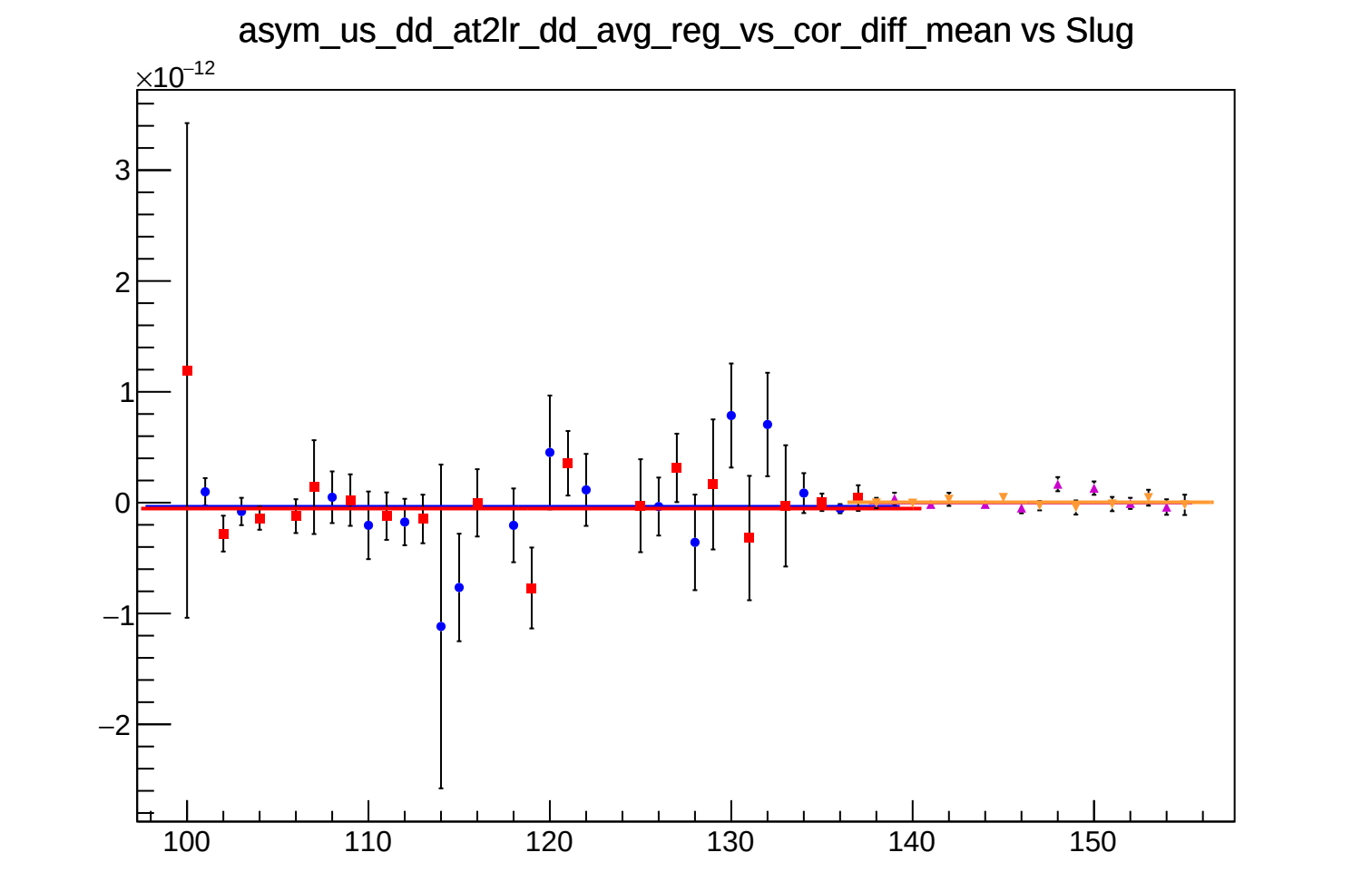
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

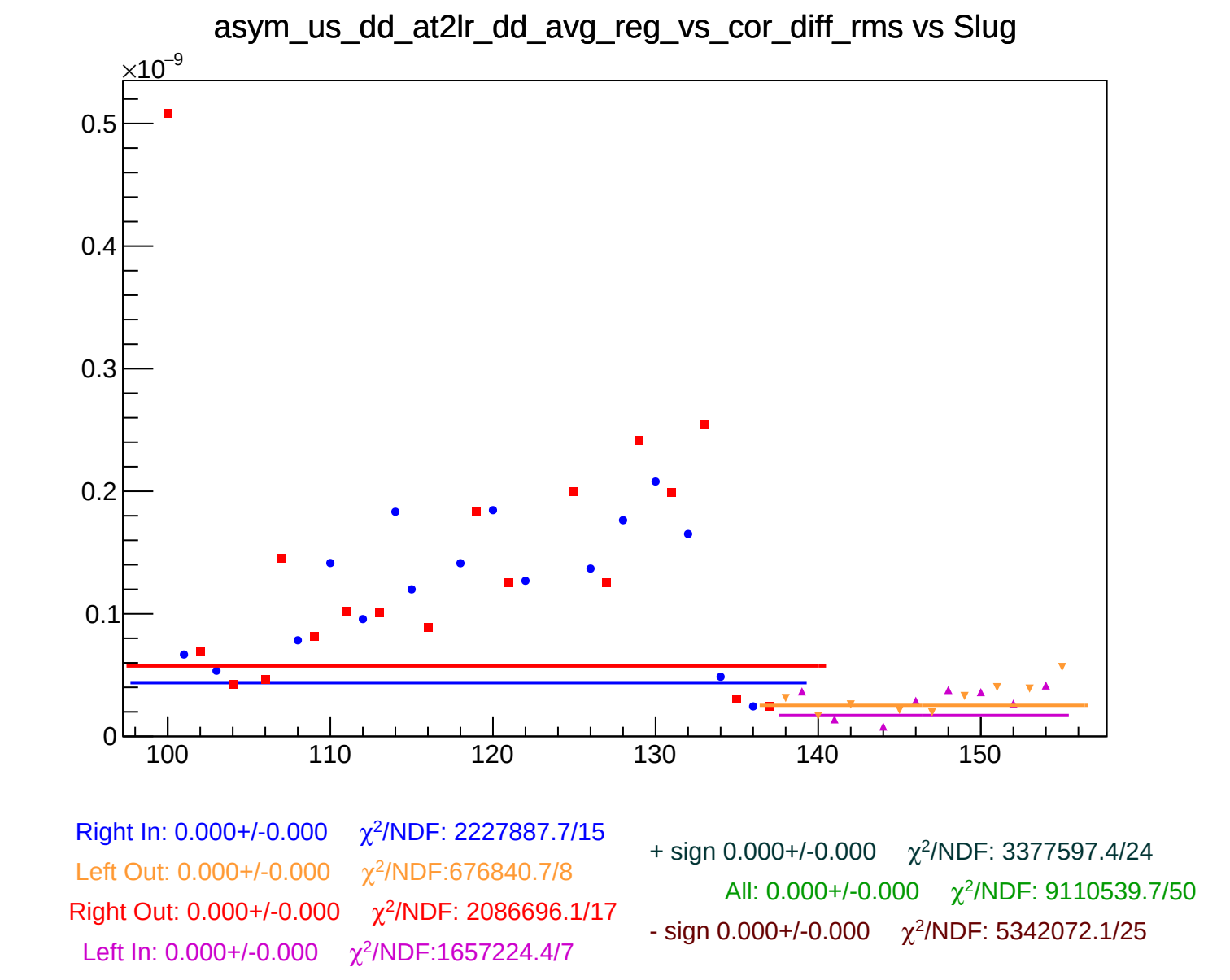
Left In: 2636.543+/-0.704 χ^2/NDF:10000.8/7

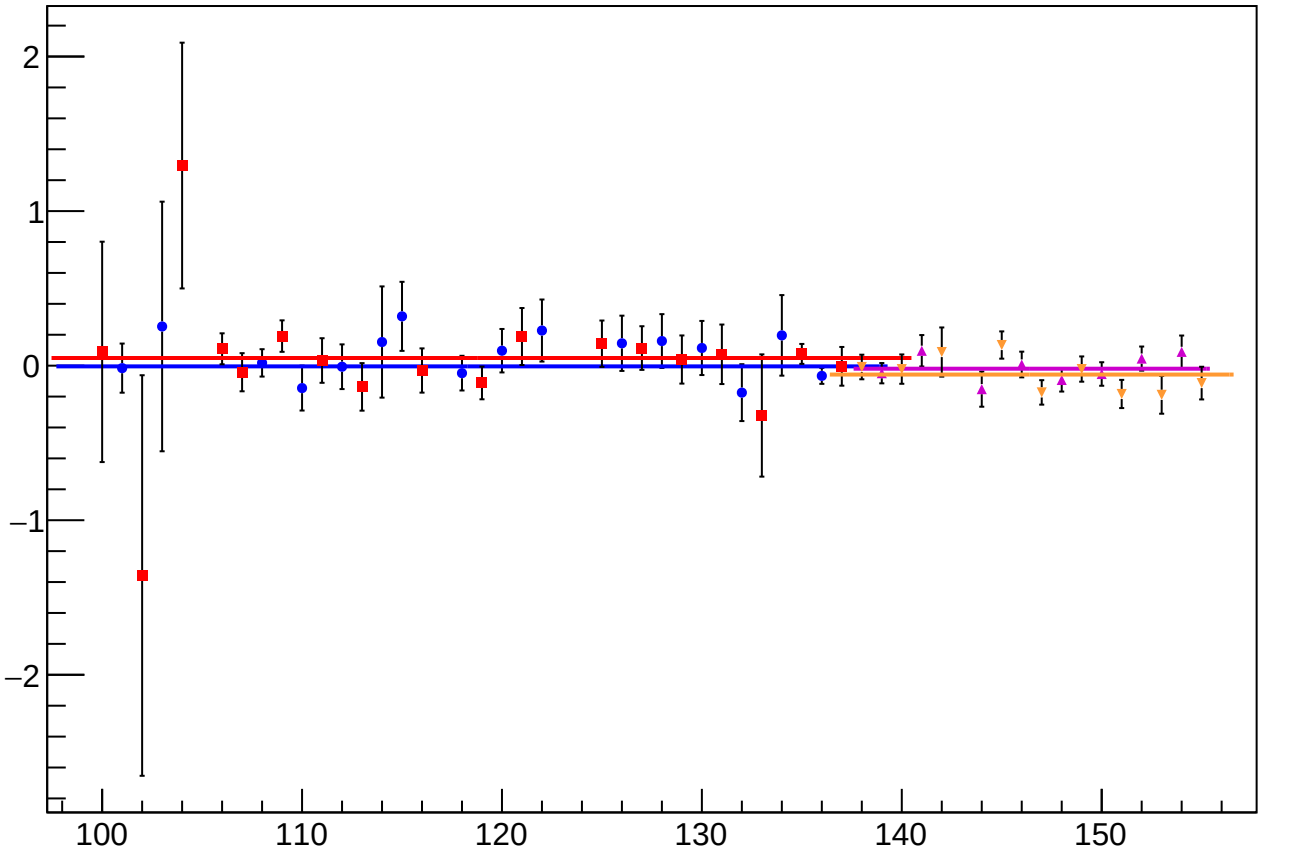
+ sign 2904.924+/-0.551 χ^2/NDF: 683808.1/24

All: 2882.709+/-0.388 χ^2/NDF: 1450909.5/50

- sign 2860.974+/-0.545 χ^2/NDF: 763888.2/25


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
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3.2/8
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:14.4/7
+ sign -0.000+/-0.000 χ²/NDF: 17.5/24
All: -0.000+/-0.000 χ²/NDF: 45.8/50
- sign -0.000+/-0.000 χ²/NDF: 28.3/25


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
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:676840.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:1657224.4/7
+ sign 0.000+/-0.000 χ²/NDF: 3377597.4/24
All: 0.000+/-0.000 χ²/NDF: 9110539.7/50
- sign 0.000+/-0.000 χ²/NDF: 5342072.1/25



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.058+/-0.031 χ^2/NDF:11.7/8

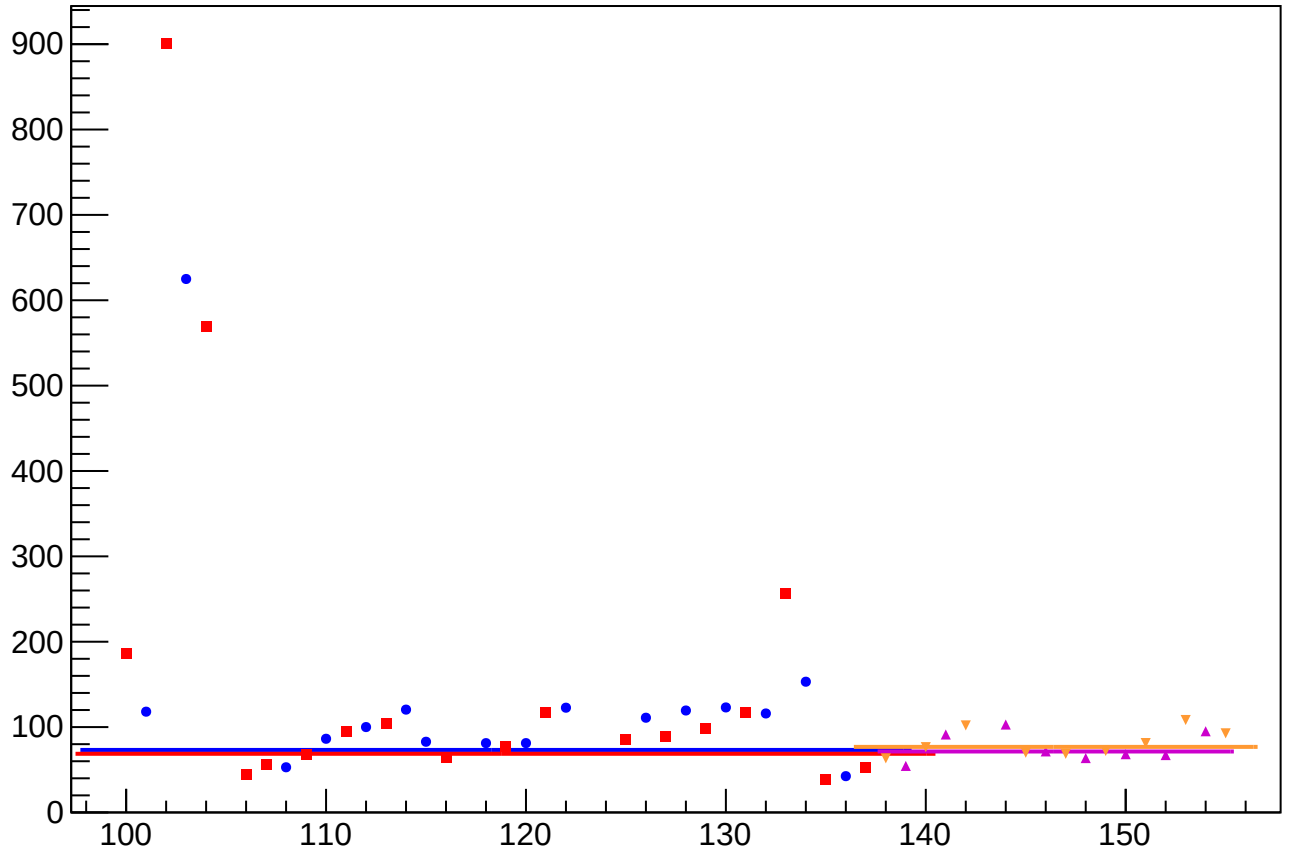
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.020+/-0.029 χ^2/NDF:5.9/7

+ sign -0.032+/-0.022 χ^2/NDF: 23.4/24

All: -0.009+/-0.016 χ^2/NDF: 46.9/50

- sign 0.012+/-0.022 χ^2/NDF: 21.5/25



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.810+/-0.022 χ^2/NDF:329943.1/8

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

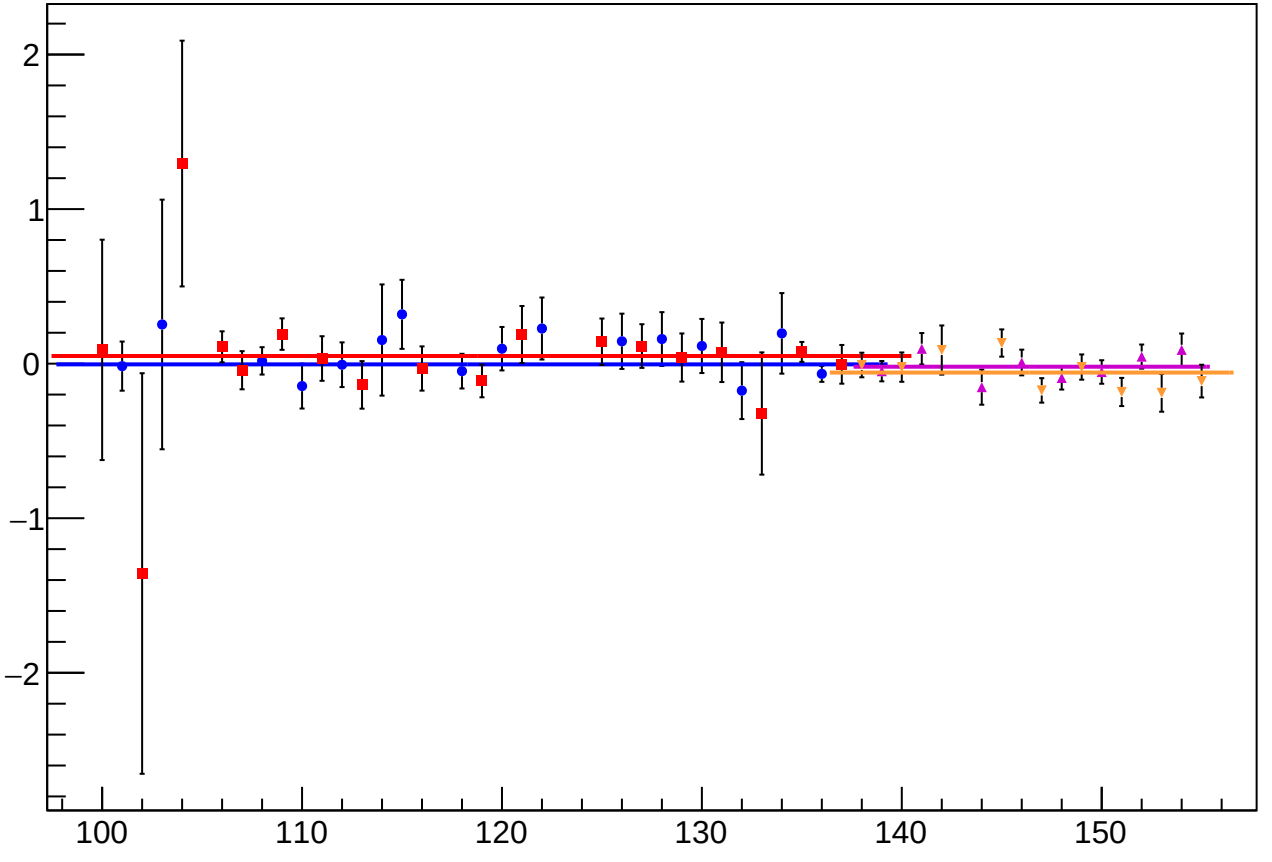
Left In: 71.415+/-0.021 χ^2/NDF:494755.2/7

+ sign 75.077+/-0.016 χ^2/NDF: 3197228.5/24

All: 72.524+/-0.011 χ^2/NDF: 7081267.3/50

- sign 70.168+/-0.015 χ^2/NDF: 3834254.1/25

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: -0.058+/-0.031 χ^2/NDF:11.7/8

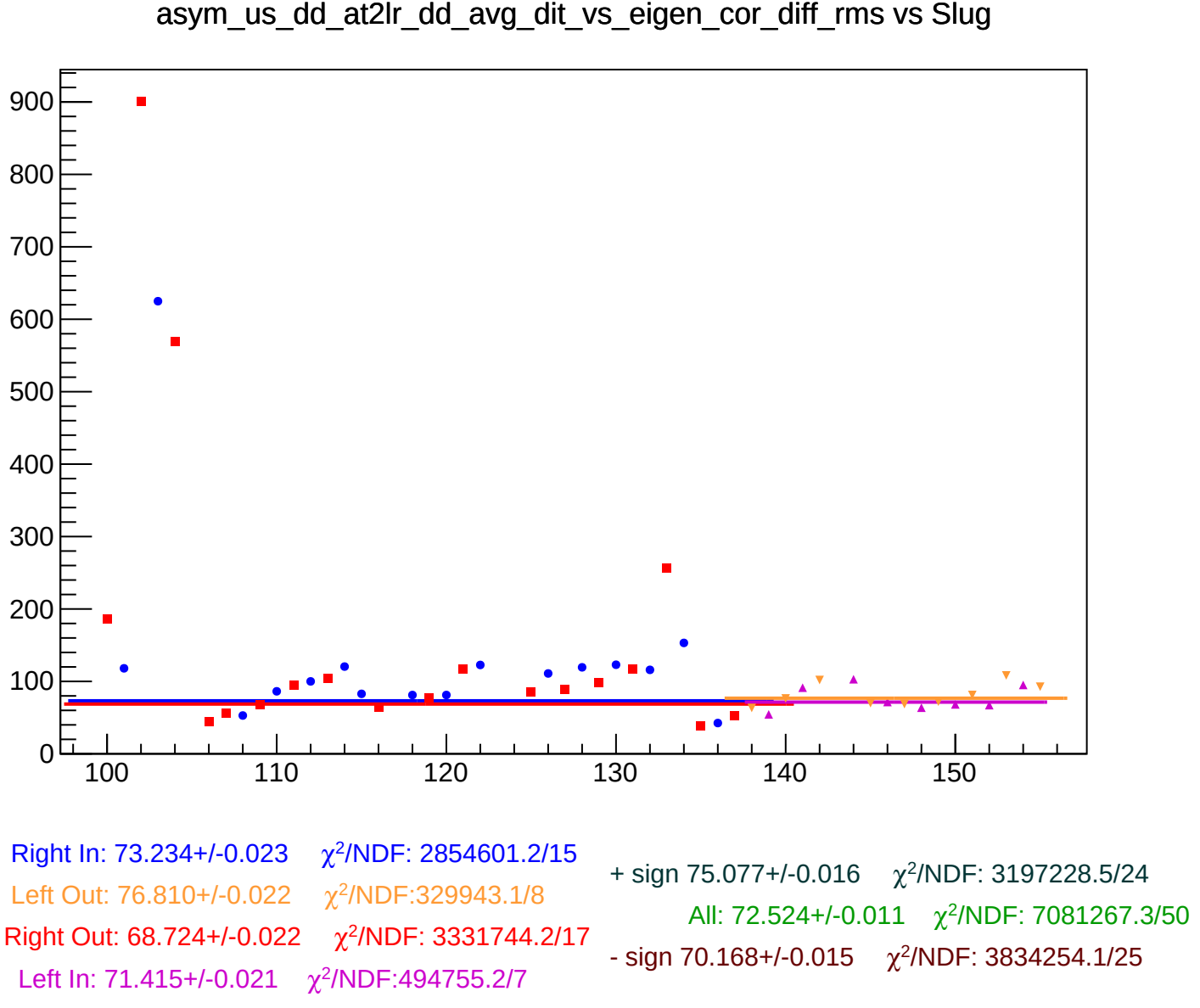
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

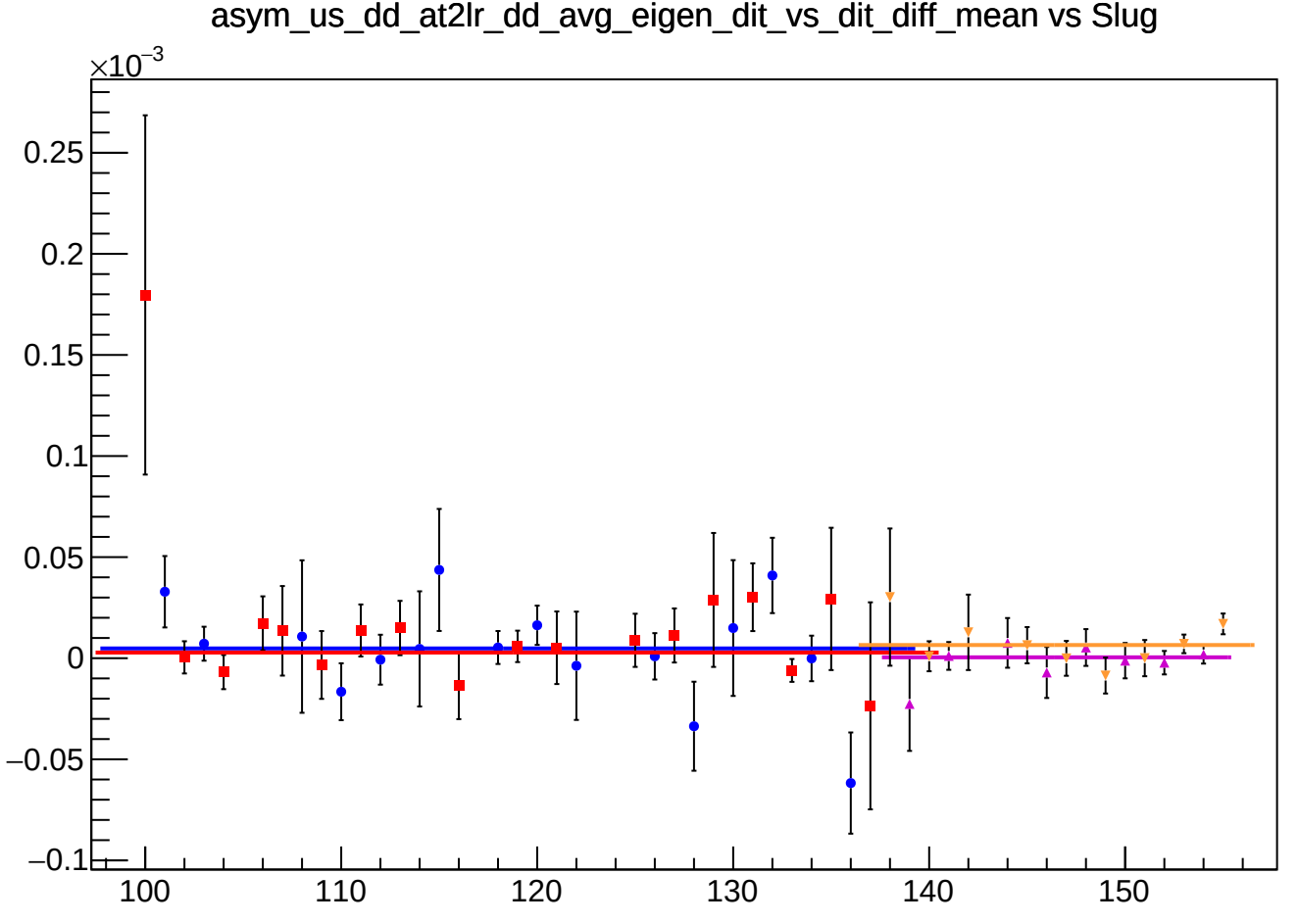
Left In: -0.020+/-0.029 χ^2/NDF:5.9/7

+ sign -0.032+/-0.022 χ^2/NDF: 23.4/24

All: -0.009+/-0.016 χ^2/NDF: 46.9/50

- sign 0.012+/-0.022 χ^2/NDF: 21.5/25


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
Right In: 73.234+/-0.023 χ²/NDF: 2854601.2/15
Left Out: 76.810+/-0.022 χ²/NDF:329943.1/8
Right Out: 68.724+/-0.022 χ²/NDF: 3331744.2/17
Left In: 71.415+/-0.021 χ²/NDF:494755.2/7
+ sign 75.077+/-0.016 χ²/NDF: 3197228.5/24
All: 72.524+/-0.011 χ²/NDF: 7081267.3/50
- sign 70.168+/-0.015 χ²/NDF: 3834254.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/8

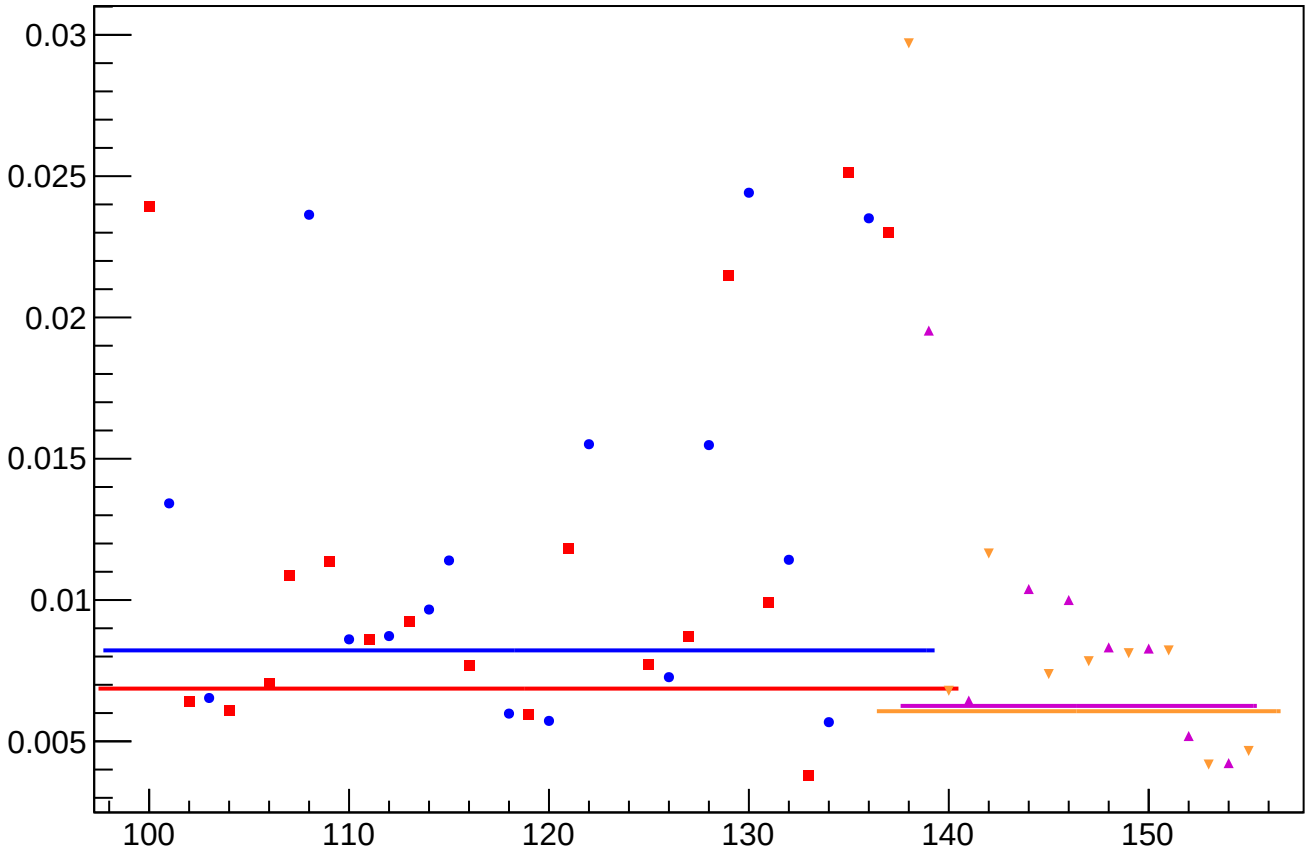
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/24

All: 0.000+/-0.000 χ^2/NDF: 53.9/50

- sign 0.000+/-0.000 χ^2/NDF: 19.5/25



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:2004384.7/8

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

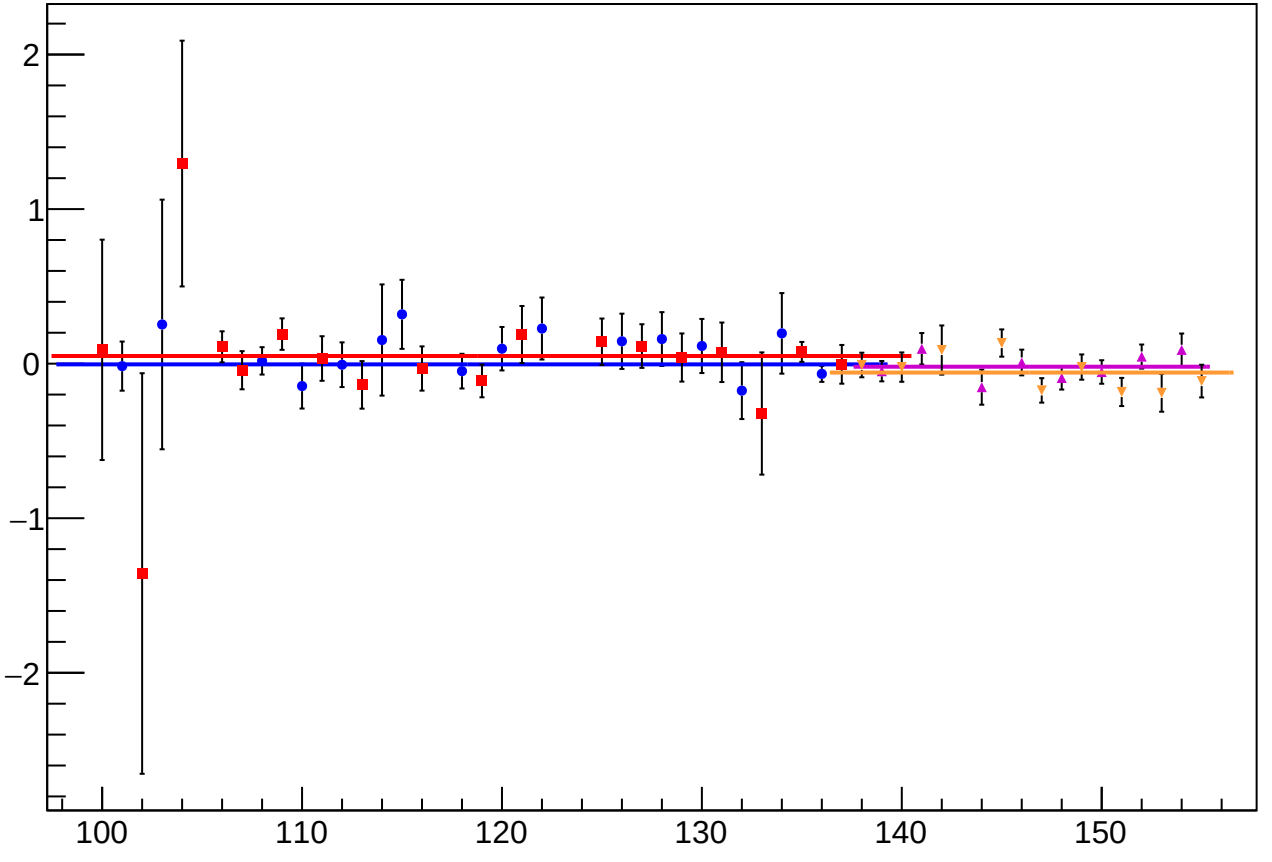
Left In: 0.006+/-0.000 χ^2/NDF:1738920.5/7

+ sign 0.007+/-0.000 χ^2/NDF: 5160959.2/24

All: 0.007+/-0.000 χ^2/NDF: 9392541.5/50

- sign 0.007+/-0.000 χ^2/NDF: 4214704.1/25

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.058+/-0.031 χ^2/NDF:11.7/8

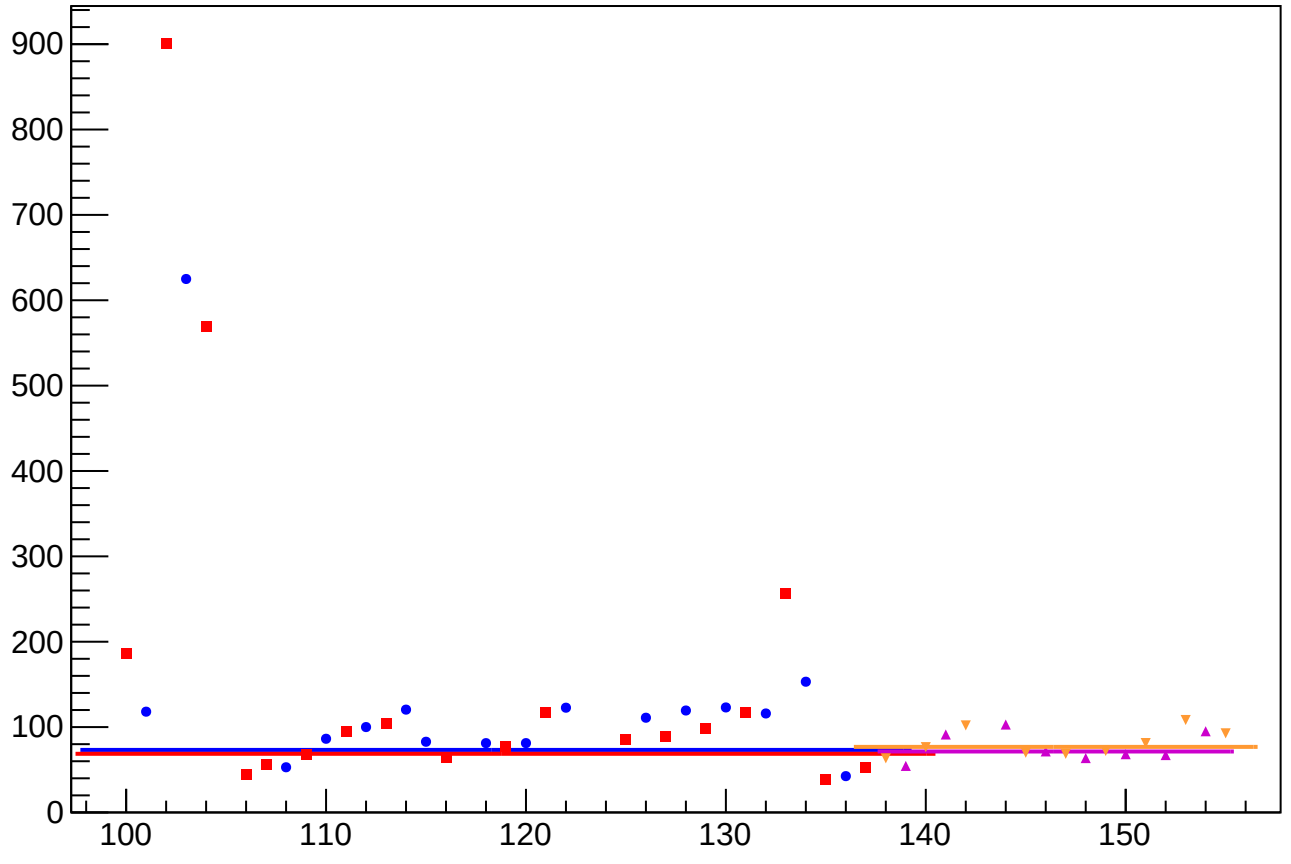
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.020+/-0.029 χ^2/NDF:5.9/7

+ sign -0.032+/-0.022 χ^2/NDF: 23.4/24

All: -0.009+/-0.016 χ^2/NDF: 46.9/50

- sign 0.012+/-0.022 χ^2/NDF: 21.5/25



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.811+/-0.022 χ^2/NDF:329913.9/8

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

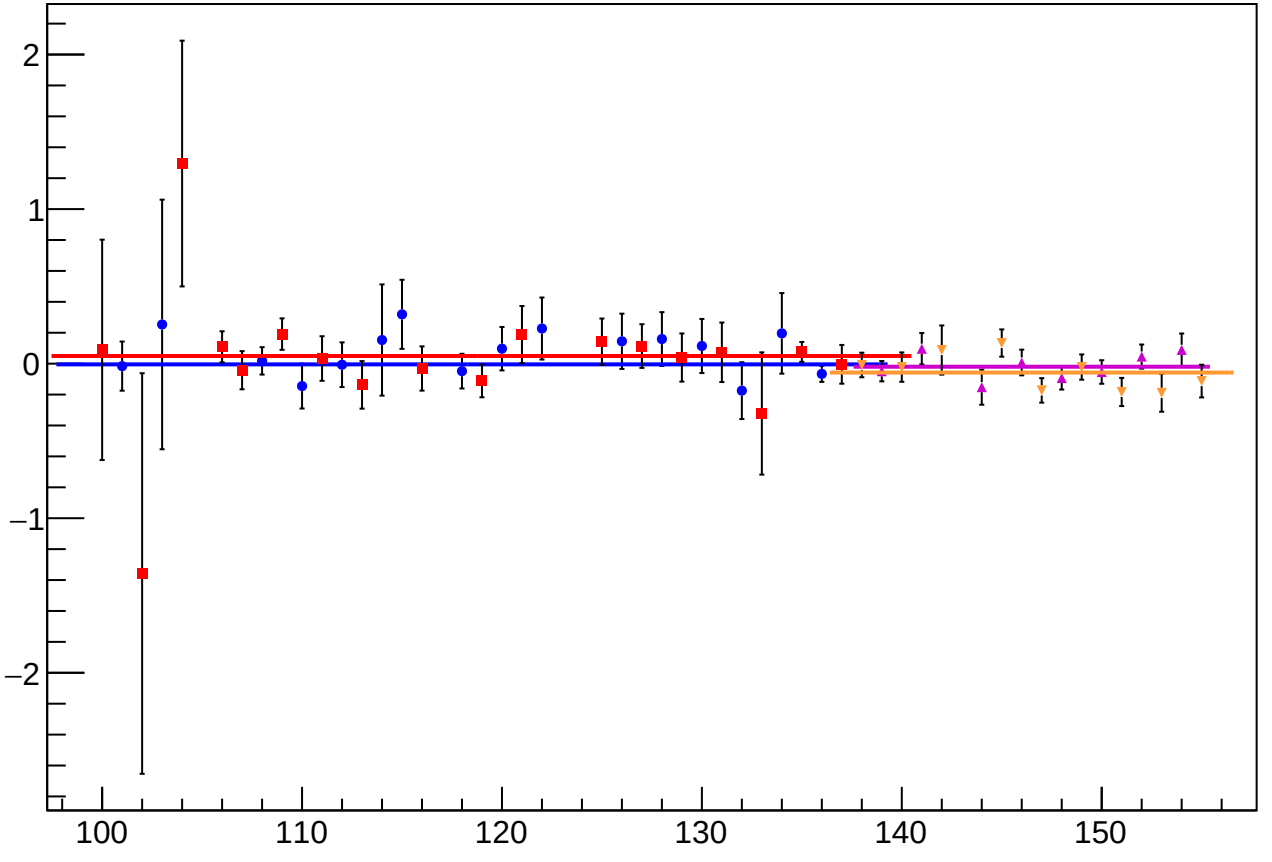
Left In: 71.418+/-0.021 χ^2/NDF:494520.2/7

+ sign 75.090+/-0.016 χ^2/NDF: 3194729.9/24

All: 72.527+/-0.011 χ^2/NDF: 7079953.4/50

- sign 70.164+/-0.015 χ^2/NDF: 3835098.3/25

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: -0.058+/-0.031 χ^2/NDF:11.7/8

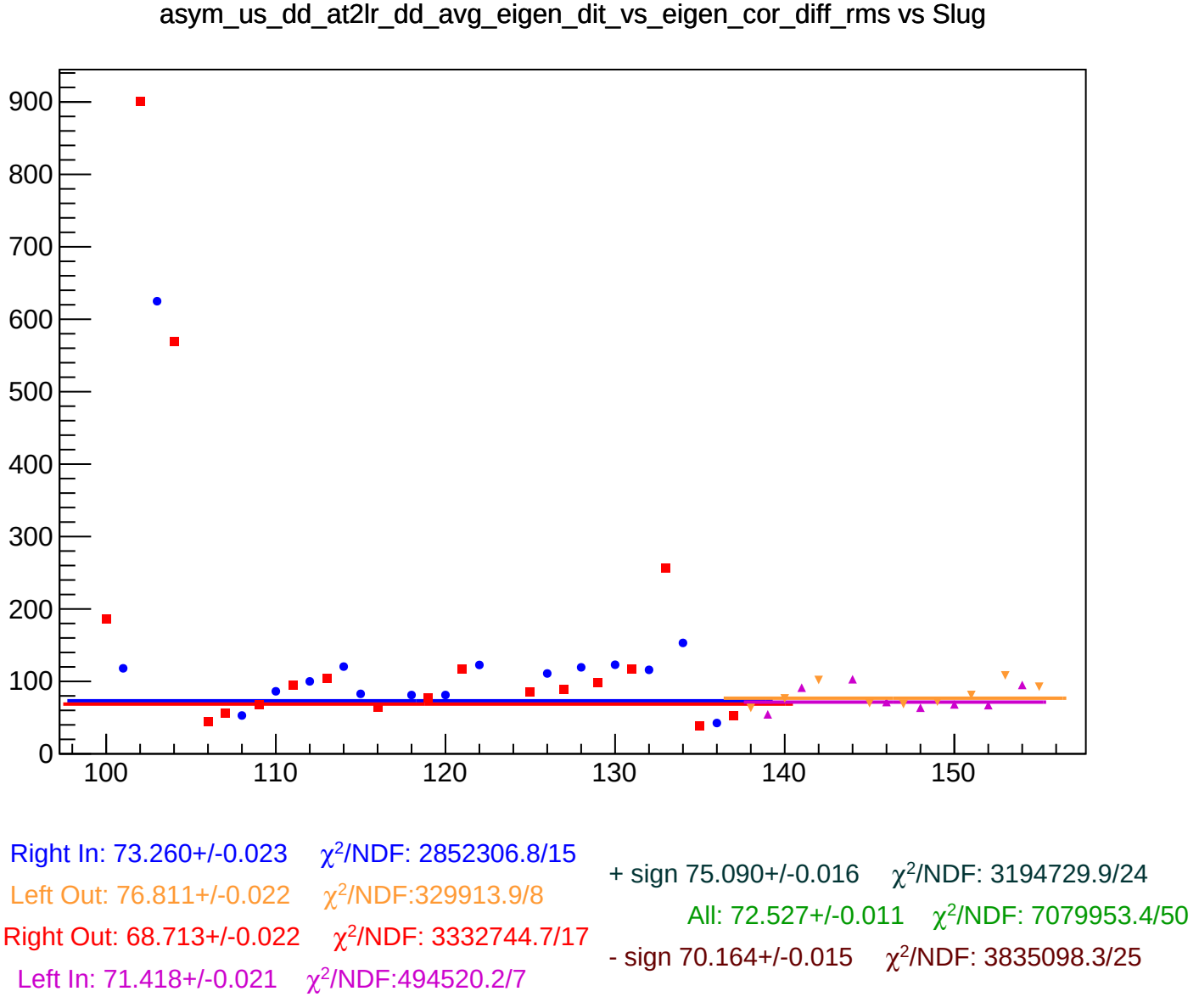
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

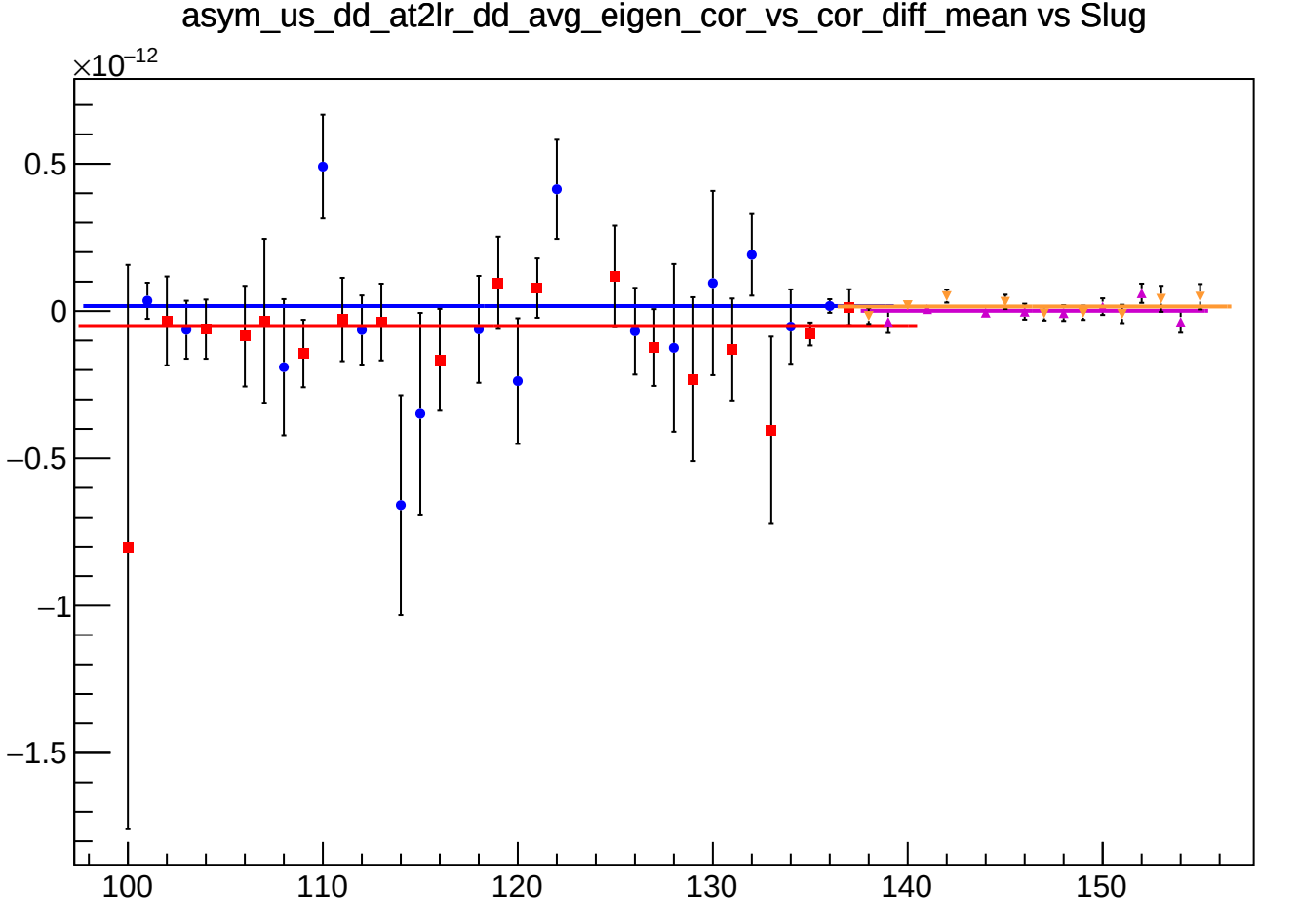
Left In: -0.020+/-0.029 χ^2/NDF:5.9/7

+ sign -0.032+/-0.022 χ^2/NDF: 23.4/24

All: -0.009+/-0.016 χ^2/NDF: 46.9/50

- sign 0.012+/-0.022 χ^2/NDF: 21.5/25


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
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 76.811+/-0.022 χ²/NDF:329913.9/8
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 71.418+/-0.021 χ²/NDF:494520.2/7
+ sign 75.090+/-0.016 χ²/NDF: 3194729.9/24
All: 72.527+/-0.011 χ²/NDF: 7079953.4/50
- sign 70.164+/-0.015 χ²/NDF: 3835098.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/8

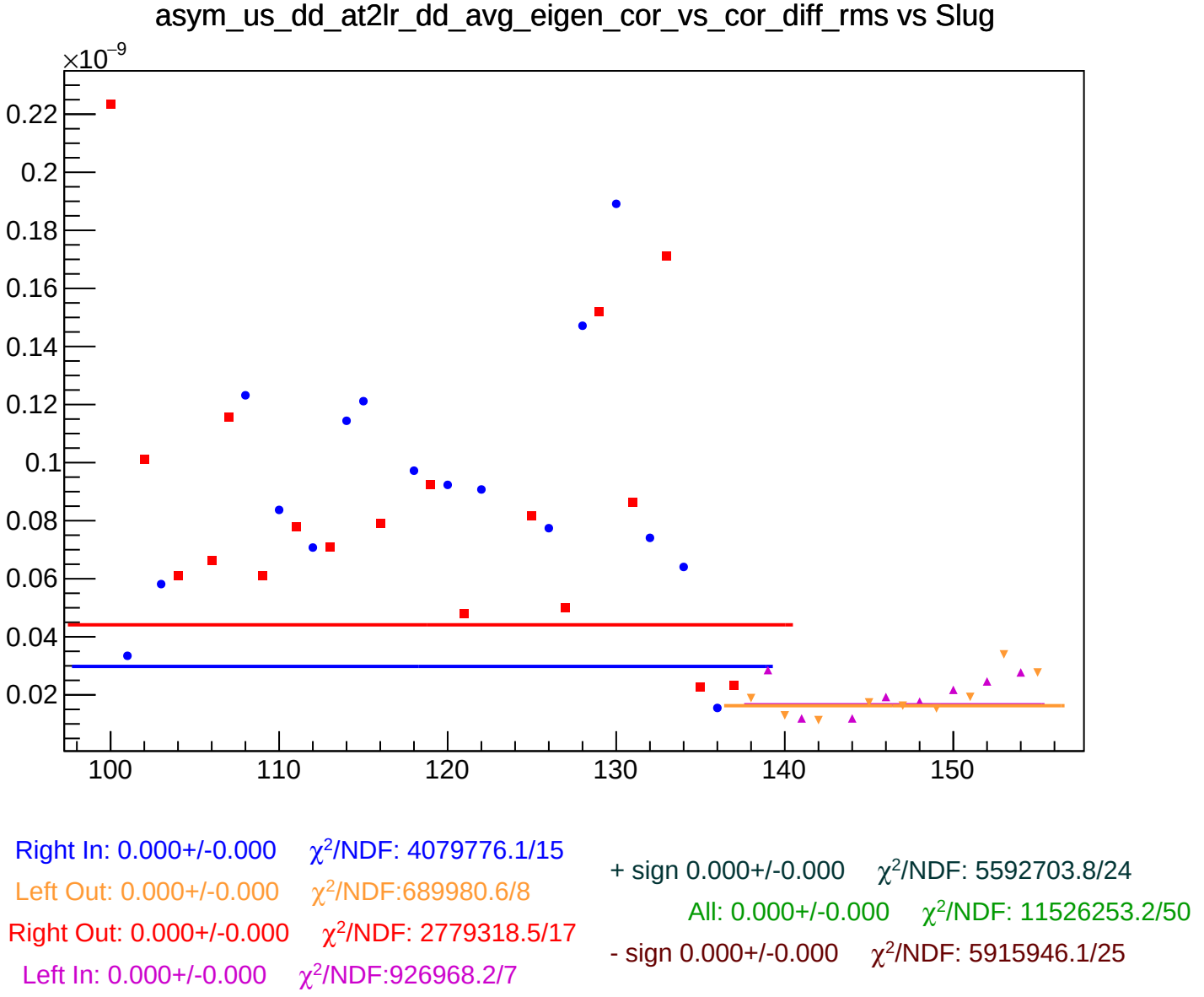
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.9/7

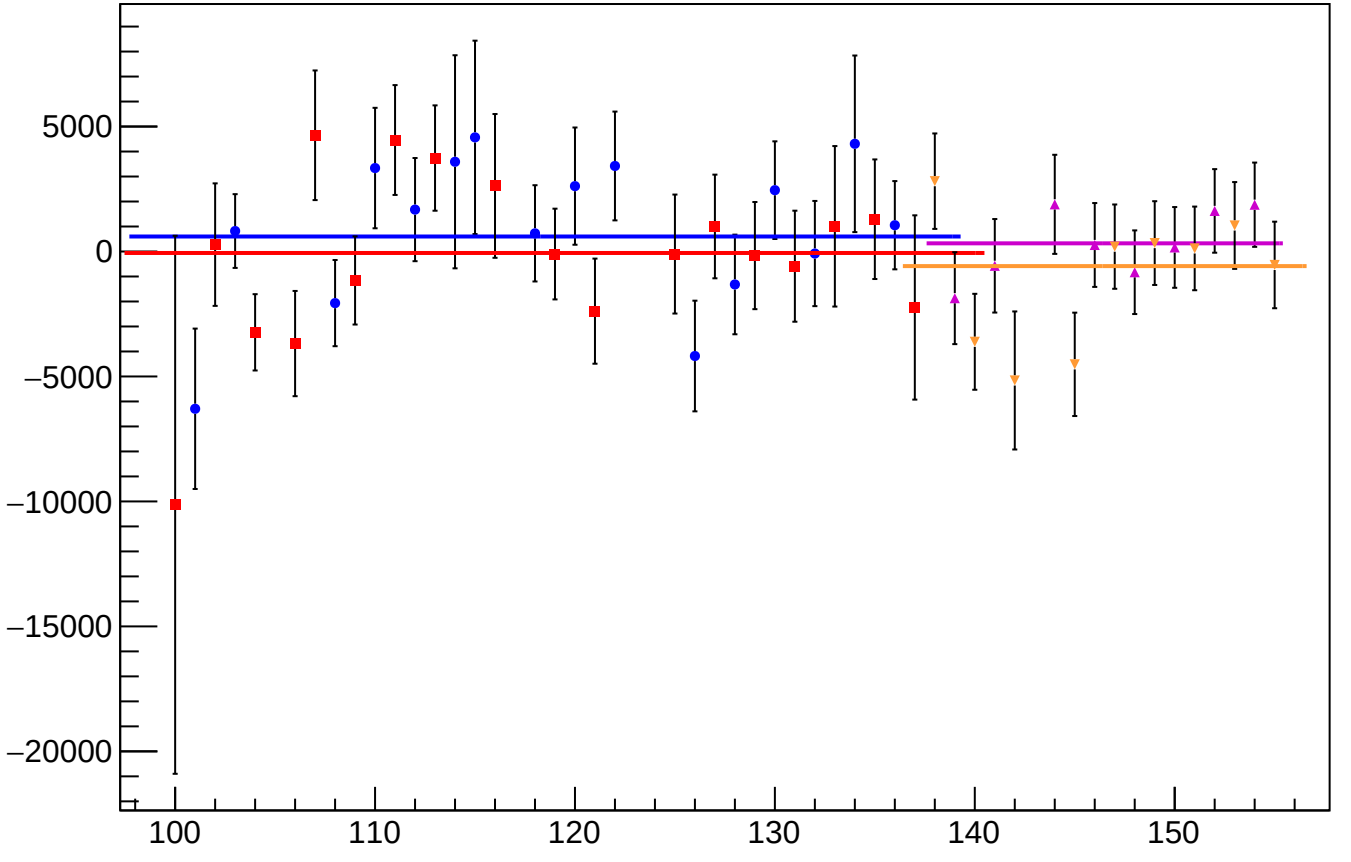
+ sign 0.000+/-0.000 χ^2/NDF: 31.1/24

All: 0.000+/-0.000 χ^2/NDF: 53.4/50

- sign -0.000+/-0.000 χ^2/NDF: 18.9/25


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
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:689980.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:926968.2/7
+ sign 0.000+/-0.000 χ²/NDF: 5592703.8/24
All: 0.000+/-0.000 χ²/NDF: 11526253.2/50
- sign 0.000+/-0.000 χ²/NDF: 5915946.1/25

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -584.231+/-615.389 χ^2/NDF:13.6/8

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

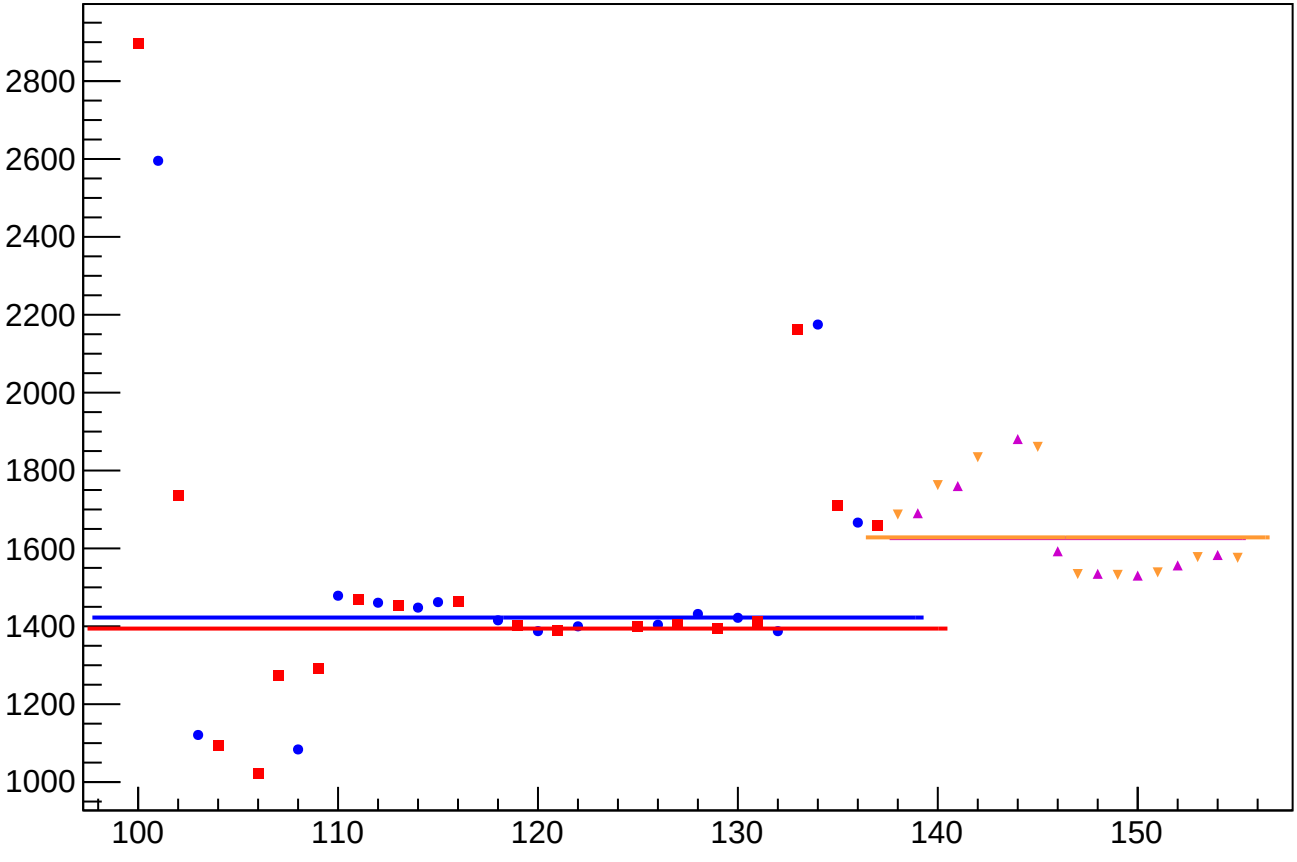
Left In: 326.814+/-615.319 χ^2/NDF:4.2/7

\+ sign 84.853+/-405.912 χ^2/NDF: 36.0/24

All: 95.207+/-285.508 χ^2/NDF: 63.0/50

\- sign 105.346+/-401.661 χ^2/NDF: 27.0/25

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1628.321+/-0.435 χ^2/NDF:70170.3/8

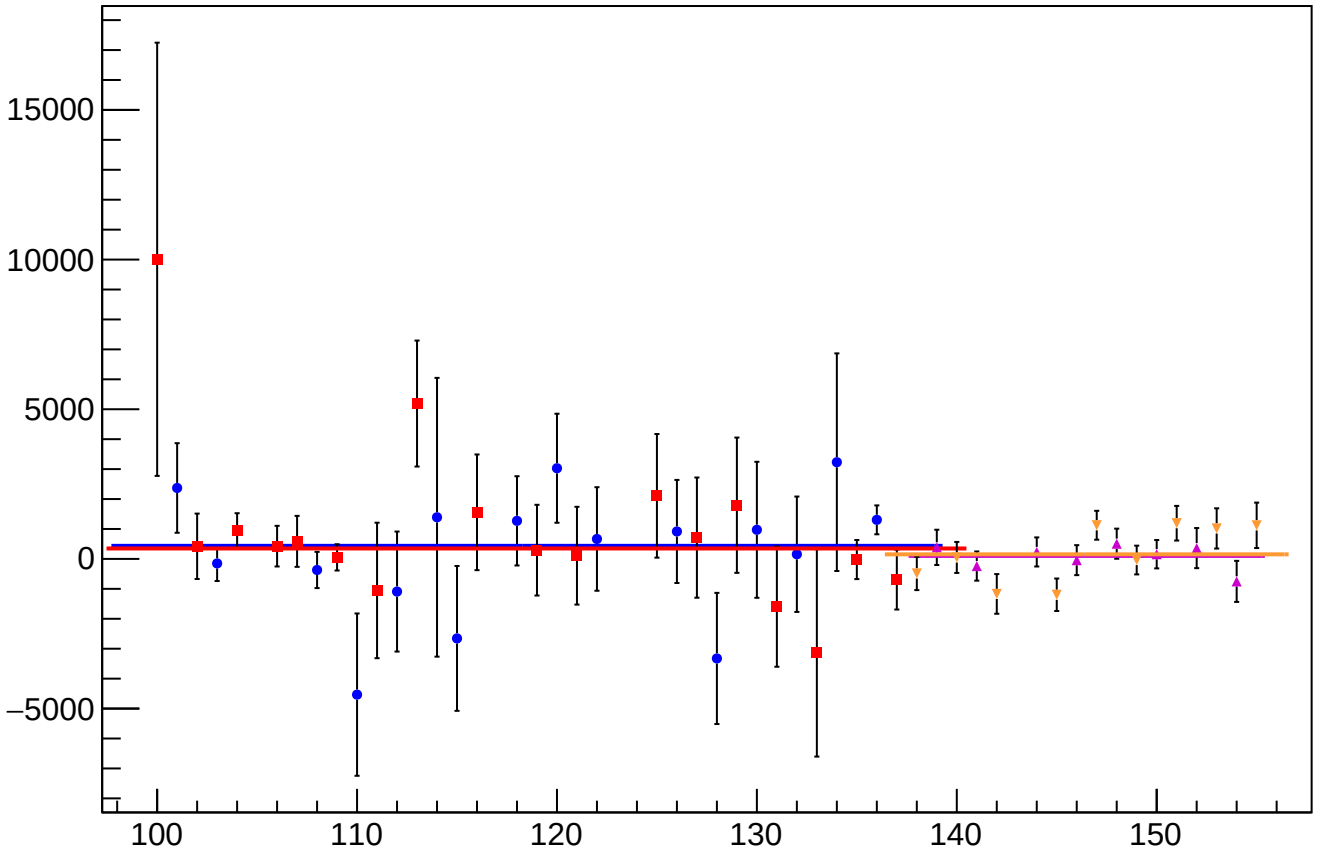
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1626.456+/-0.435 χ^2/NDF:64313.1/7

+ sign 1512.056+/-0.287 χ^2/NDF: 756798.2/24

All: 1502.503+/-0.202 χ^2/NDF: 1380540.0/5

- sign 1493.149+/-0.284 χ^2/NDF: 621549.2/25



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 152.747+/-188.286 χ^2/NDF:22.3/8

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

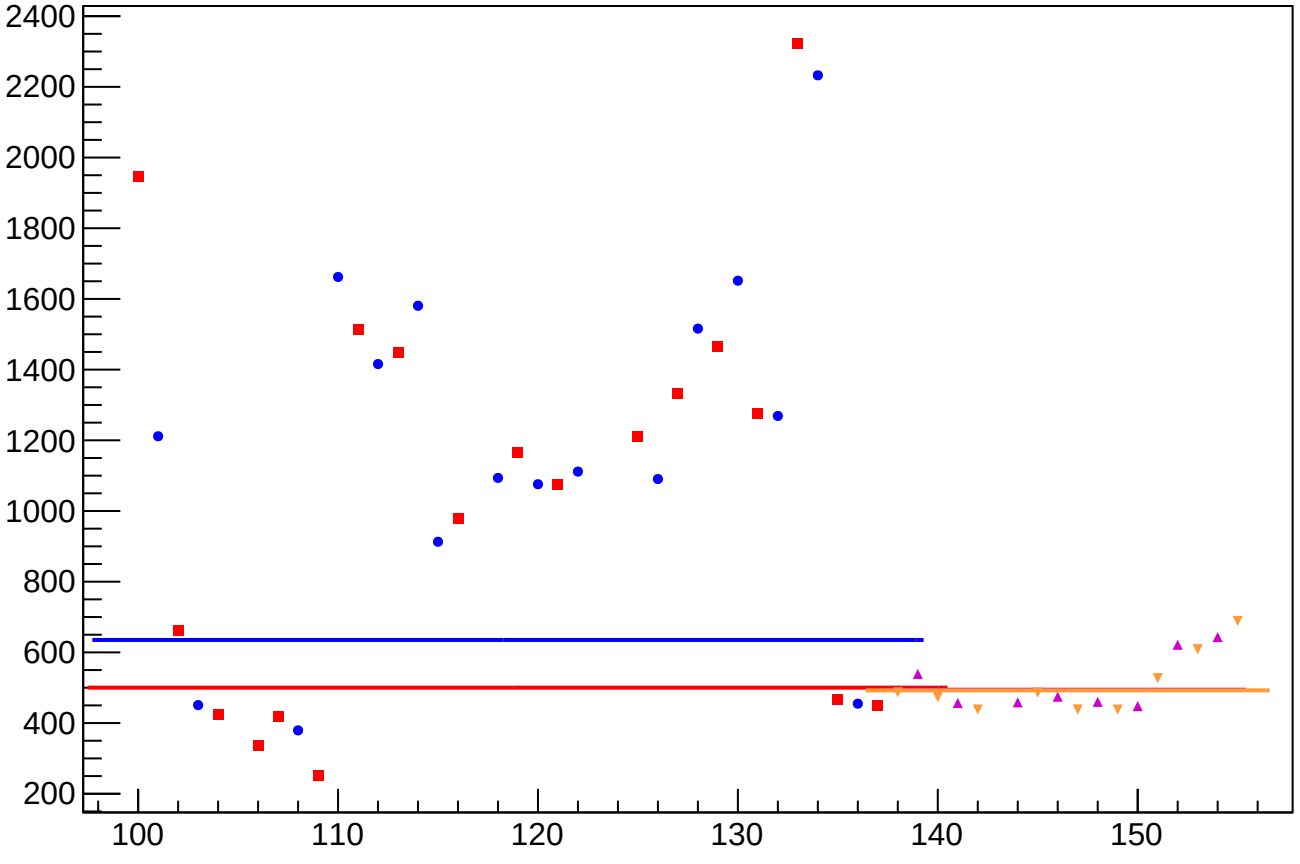
Left In: 101.371+/-188.750 χ^2/NDF:3.2/7

+ sign 242.904+/-155.525 χ^2/NDF: 42.3/24

All: 219.661+/-106.774 χ^2/NDF: 60.2/50

- sign 198.938+/-146.850 χ^2/NDF: 17.8/25

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 492.530+/-0.133 χ^2/NDF:268347.7/8

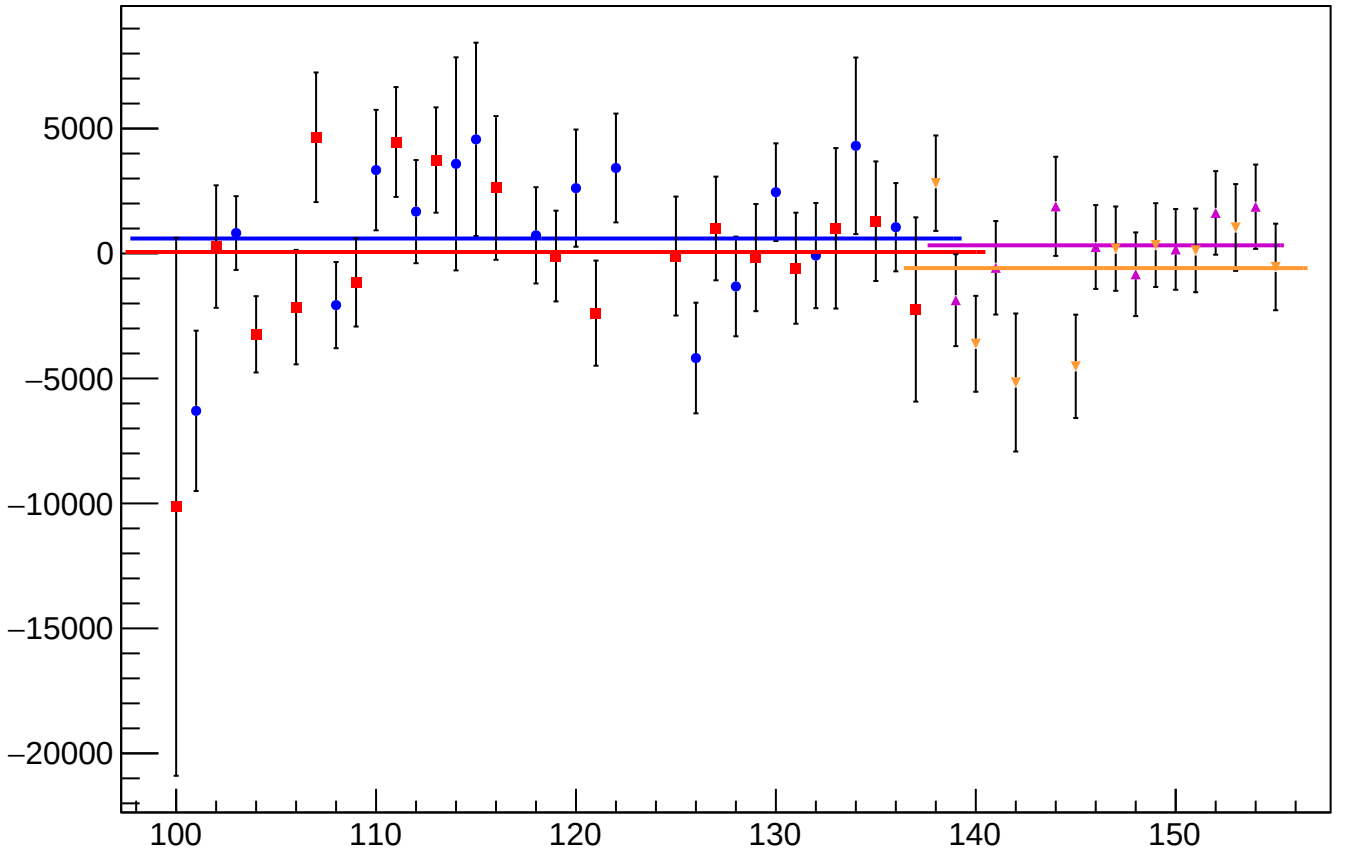
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 494.361+/-0.133 χ^2/NDF:231859.3/7

+ sign 537.838+/-0.110 χ^2/NDF: 4385438.1/24

All: 516.078+/-0.076 χ^2/NDF: 9001212.6/50

- sign 496.678+/-0.104 χ^2/NDF: 4541716.1/25



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -584.298+/-615.389 χ^2/NDF:13.6/8

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

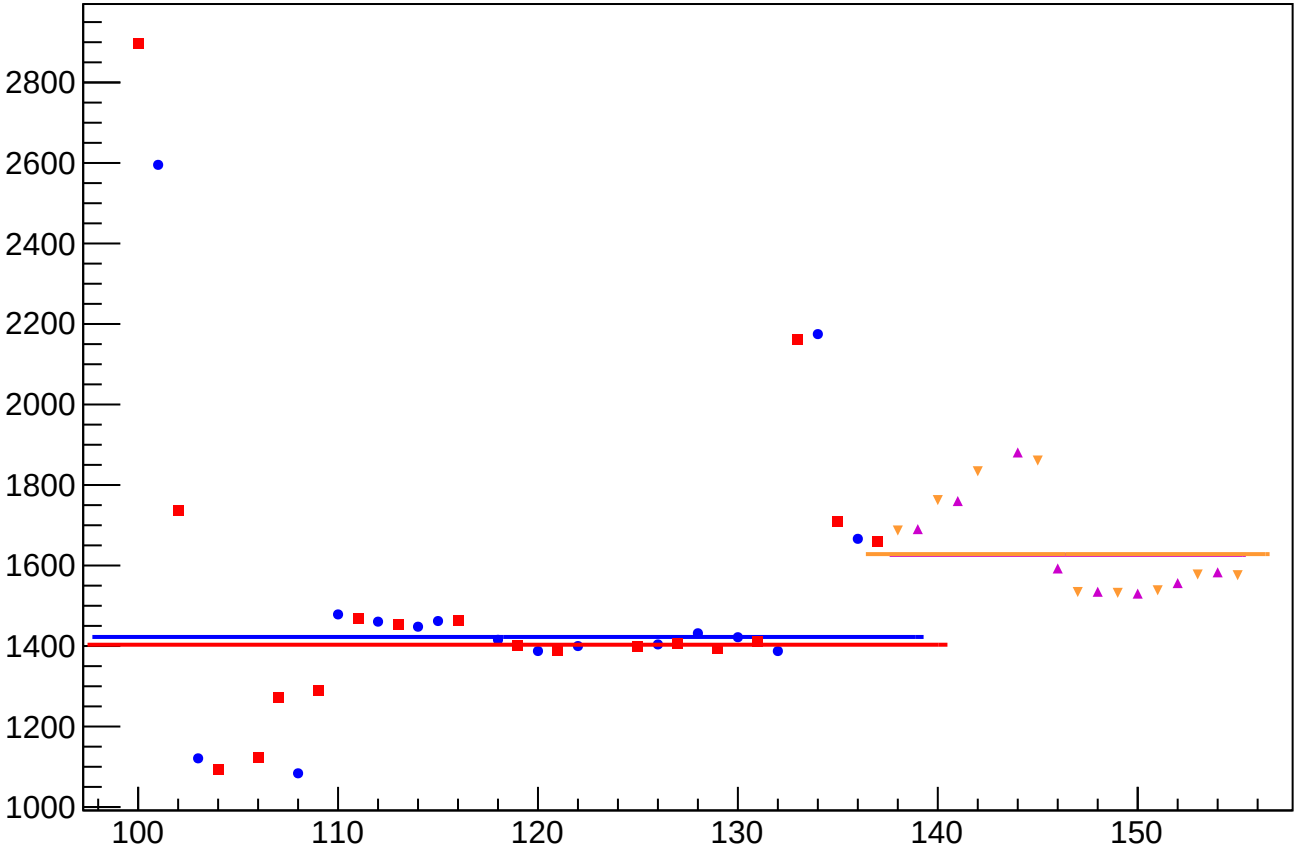
Left In: 326.846+/-615.319 χ^2/NDF:4.2/7

+ sign 84.752+/-405.912 χ^2/NDF: 36.0/24

All: 129.999+/-285.915 χ^2/NDF: 60.7/50

- sign 174.555+/-402.797 χ^2/NDF: 24.7/25

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1628.321+/-0.435 χ^2/NDF:70170.3/8

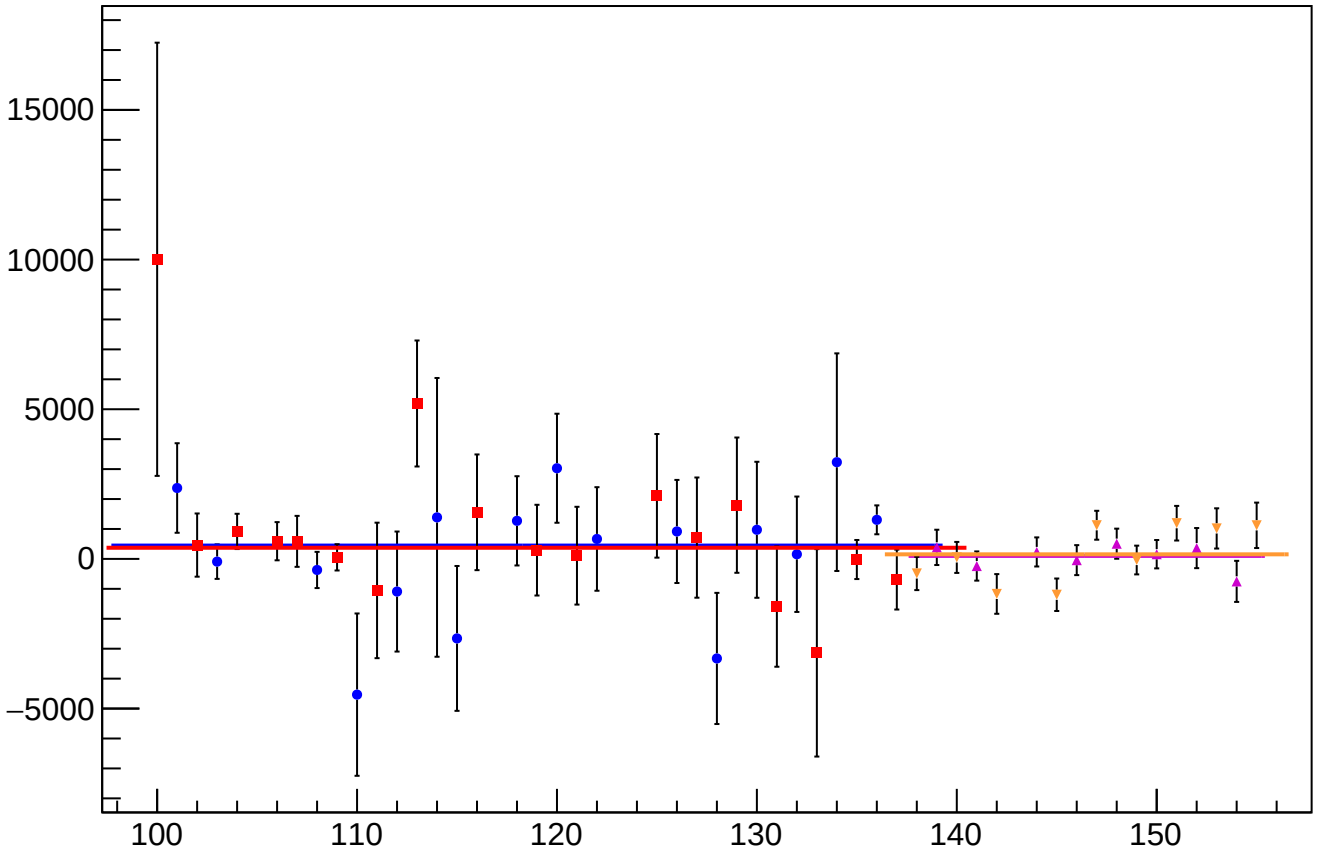
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1626.456+/-0.435 χ^2/NDF:64313.1/7

+ sign 1512.056+/-0.287 χ^2/NDF: 756798.6/24

All: 1505.417+/-0.202 χ^2/NDF: 1331725.9/50

- sign 1498.881+/-0.285 χ^2/NDF: 573865.6/25



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 152.757+/-188.289 χ^2/NDF:22.3/8

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

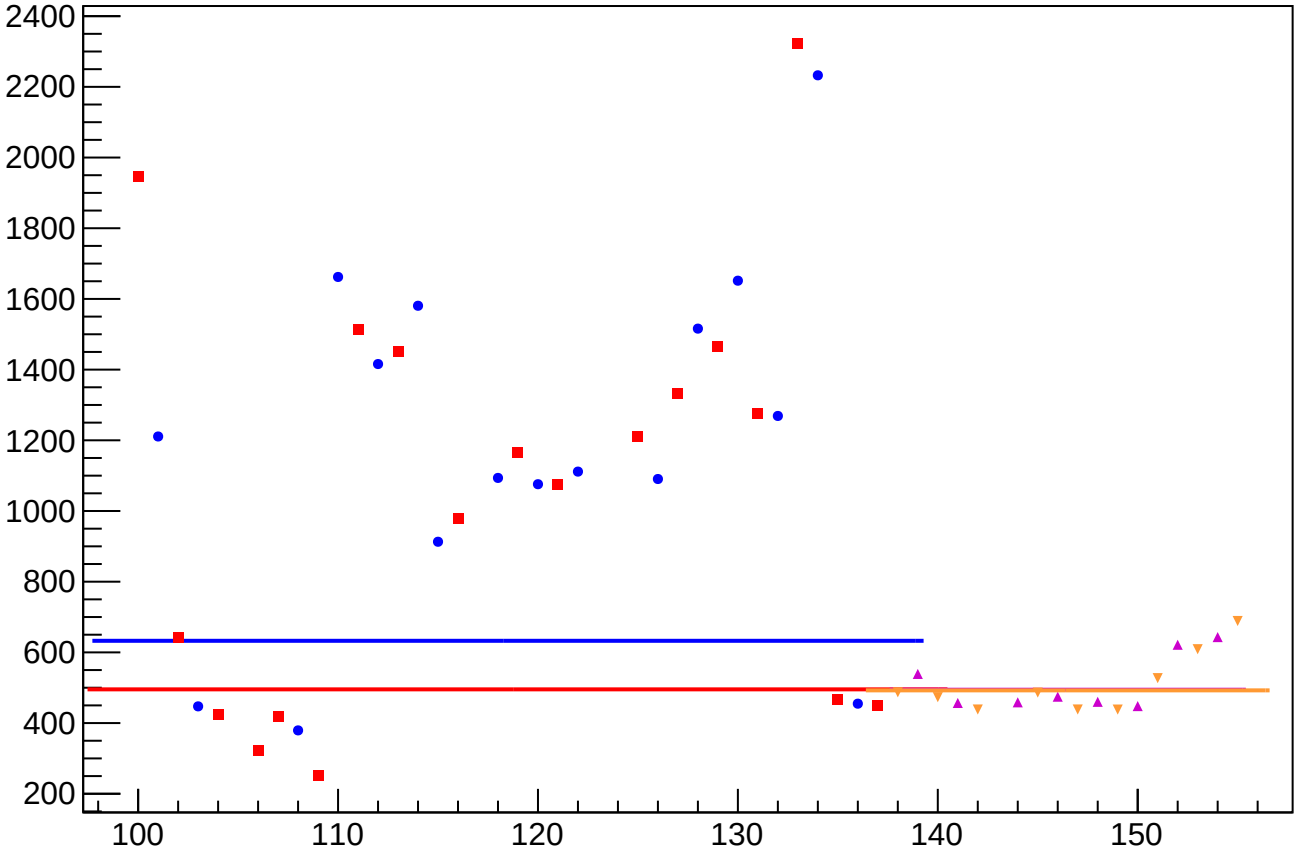
Left In: 101.468+/-188.747 χ^2/NDF:3.2/7

+ sign 246.192+/-155.314 χ^2/NDF: 42.2/24

All: 226.899+/-106.475 χ^2/NDF: 60.3/50

- sign 209.792+/-146.250 χ^2/NDF: 18.1/25

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 492.539+/-0.133 χ^2/NDF:268267.7/8

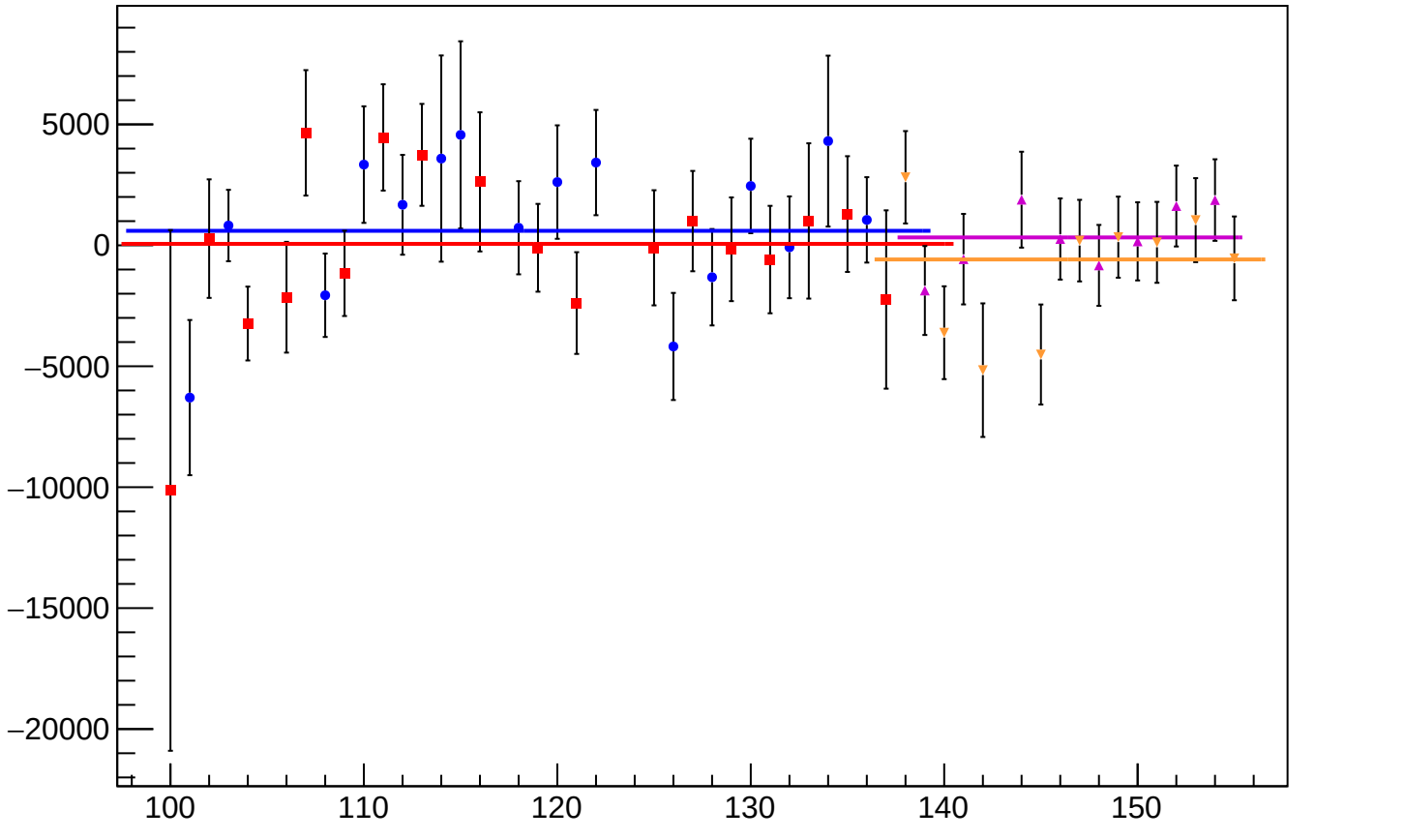
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 494.353+/-0.133 χ^2/NDF:231861.4/7

+ sign 537.350+/-0.110 χ^2/NDF: 4390442.8/24

All: 514.778+/-0.075 χ^2/NDF: 9039510.3/50

- sign 494.763+/-0.103 χ^2/NDF: 4569369.9/25



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -584.298+/-615.389 χ^2/NDF:13.6/8

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

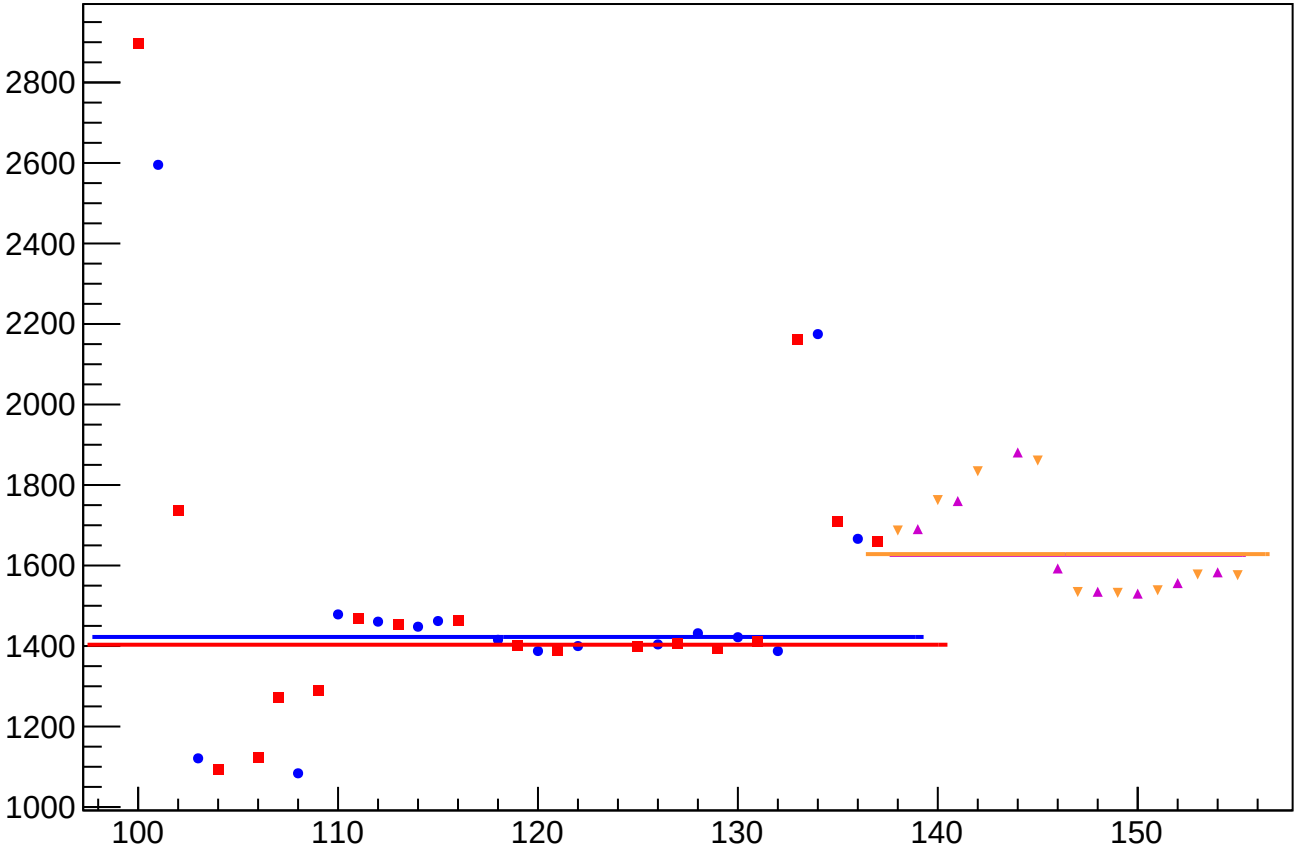
Left In: 326.846+/-615.319 χ^2/NDF:4.2/7

+ sign 84.752+/-405.912 χ^2/NDF: 36.0/24

All: 129.999+/-285.915 χ^2/NDF: 60.7/50

- sign 174.555+/-402.797 χ^2/NDF: 24.7/25

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: 1628.321+/-0.435 χ^2/NDF:70170.3/8

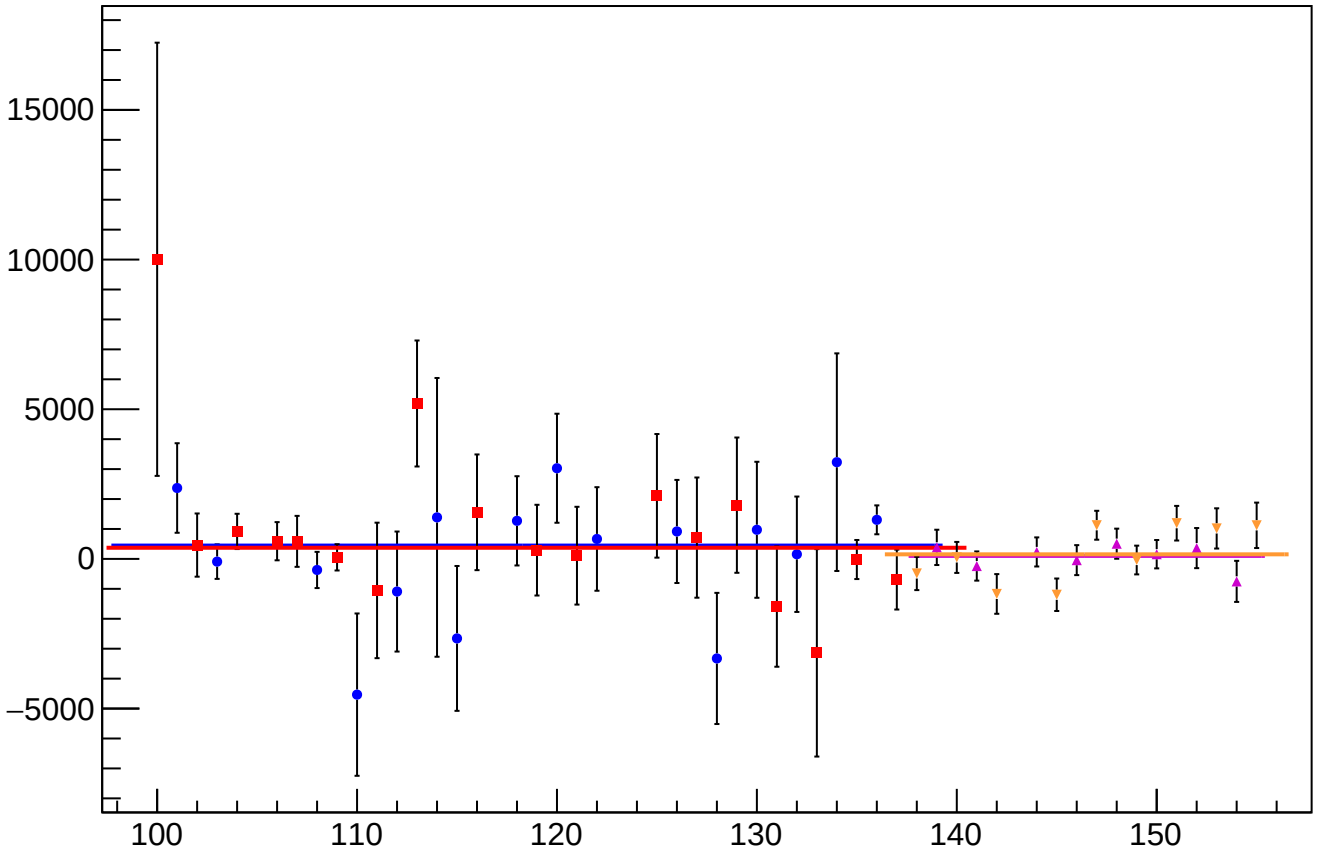
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1626.456+/-0.435 χ^2/NDF:64313.1/7

+ sign 1512.056+/-0.287 χ^2/NDF: 756798.6/24

All: 1505.417+/-0.202 χ^2/NDF: 1331725.9/50

- sign 1498.881+/-0.285 χ^2/NDF: 573865.6/25



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 152.757+/-188.289 χ^2/NDF:22.3/8

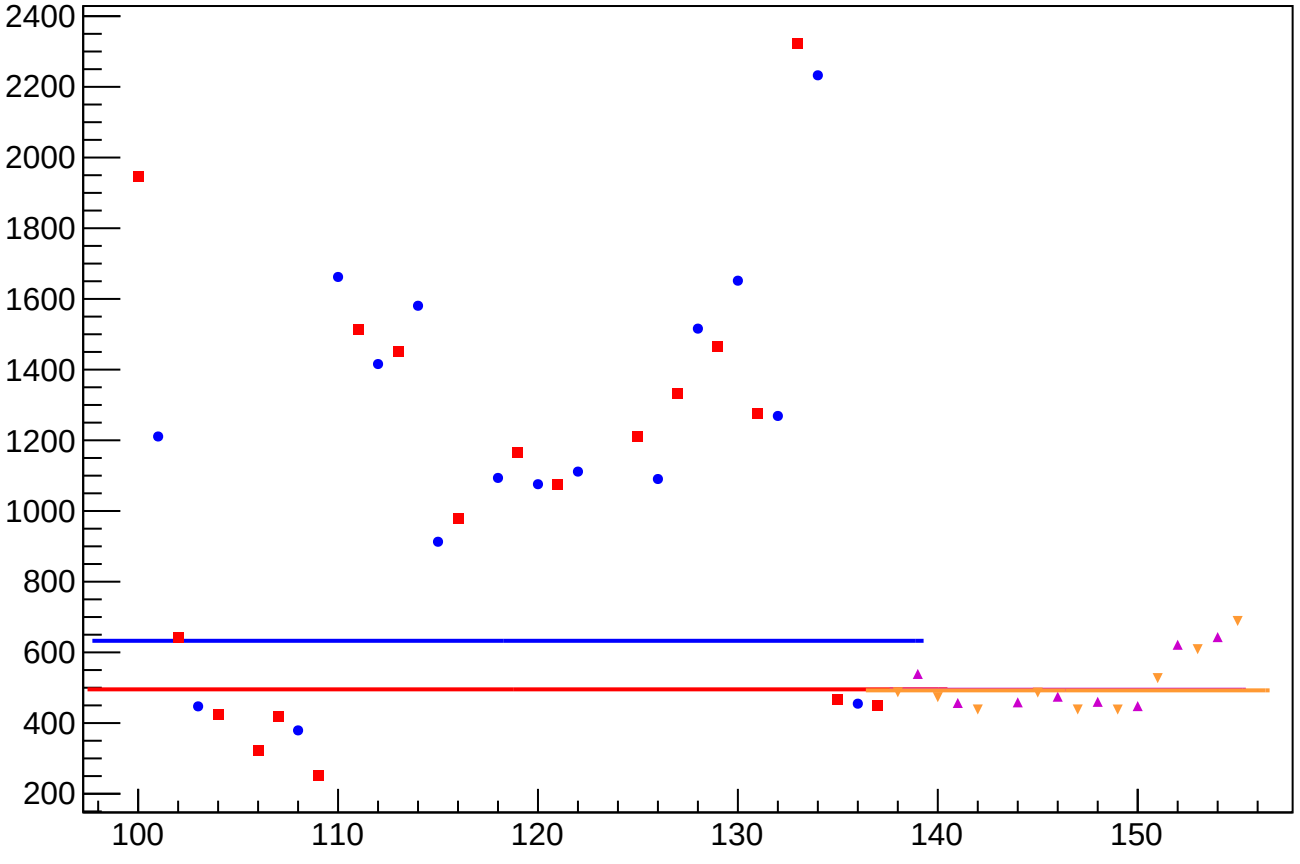
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 101.468+/-188.747 χ^2/NDF:3.2/7

+ sign 246.192+/-155.314 χ^2/NDF: 42.2/24

All: 226.899+/-106.475 χ^2/NDF: 60.3/50

- sign 209.792+/-146.250 χ^2/NDF: 18.1/25



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 492.539+/-0.133 χ^2/NDF:268267.7/8

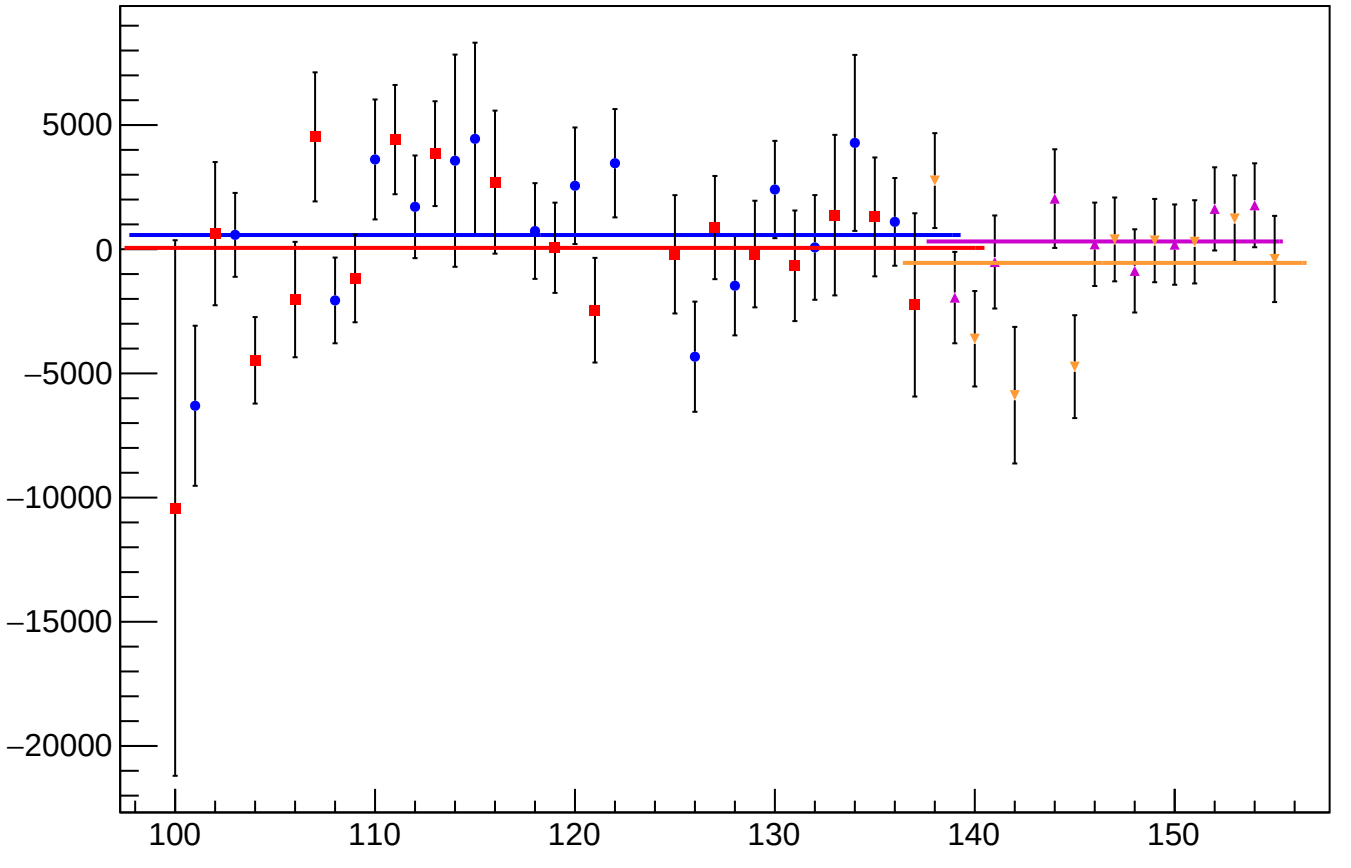
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 494.353+/-0.133 χ^2/NDF:231861.4/7

+ sign 537.350+/-0.110 χ^2/NDF: 4390442.8/24

All: 514.778+/-0.075 χ^2/NDF: 9039510.3/50

- sign 494.763+/-0.103 χ^2/NDF: 4569369.9/25



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -550.875+/-616.057 χ^2/NDF:15.3/8

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

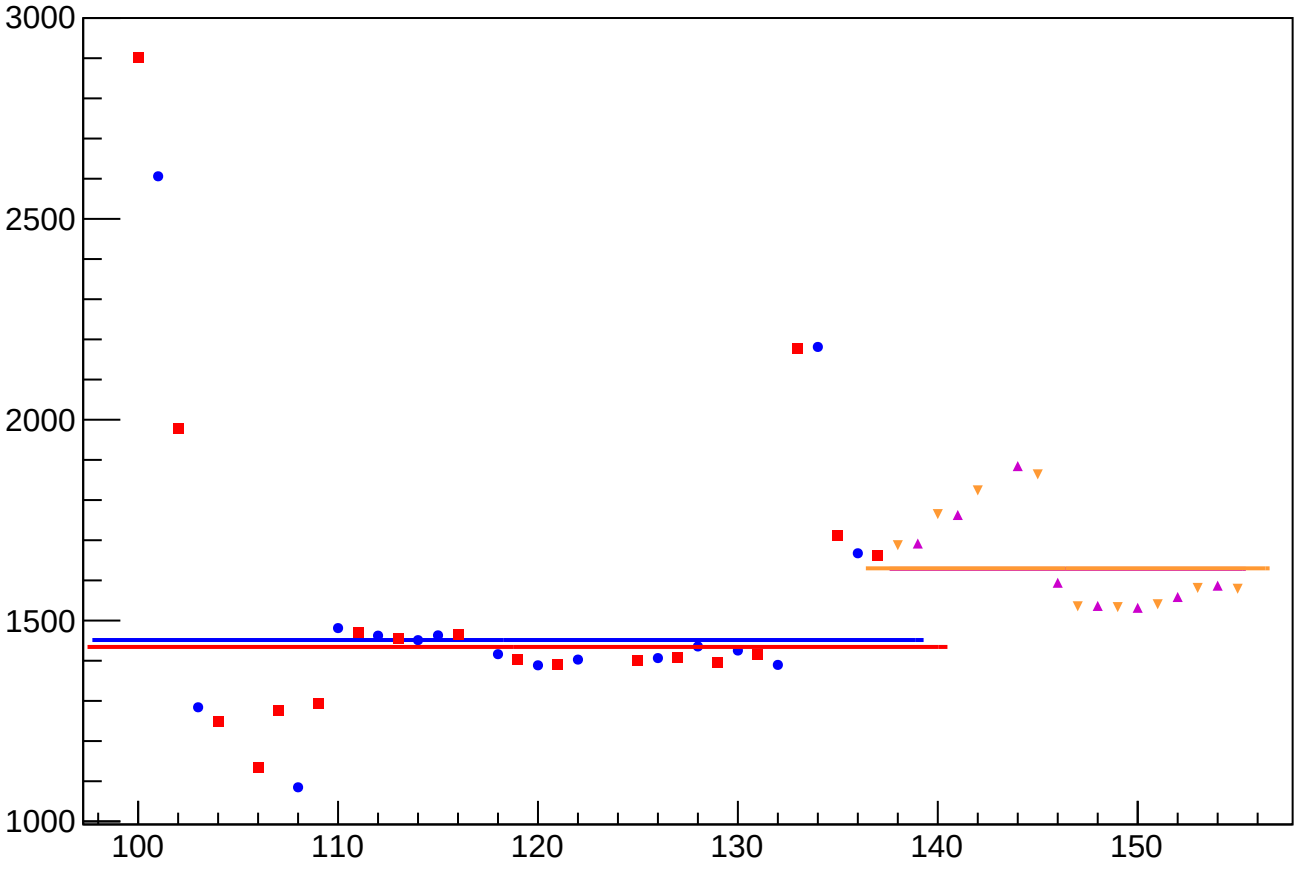
Left In: 312.994+/-616.179 χ^2/NDF:4.3/7

\+ sign 74.496+/-410.132 χ^2/NDF: 37.9/24

All: 121.260+/-289.385 χ^2/NDF: 64.9/50

\- sign 167.625+/-408.378 χ^2/NDF: 26.9/25

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1630.030+/-0.436 χ^2/NDF:69031.4/8

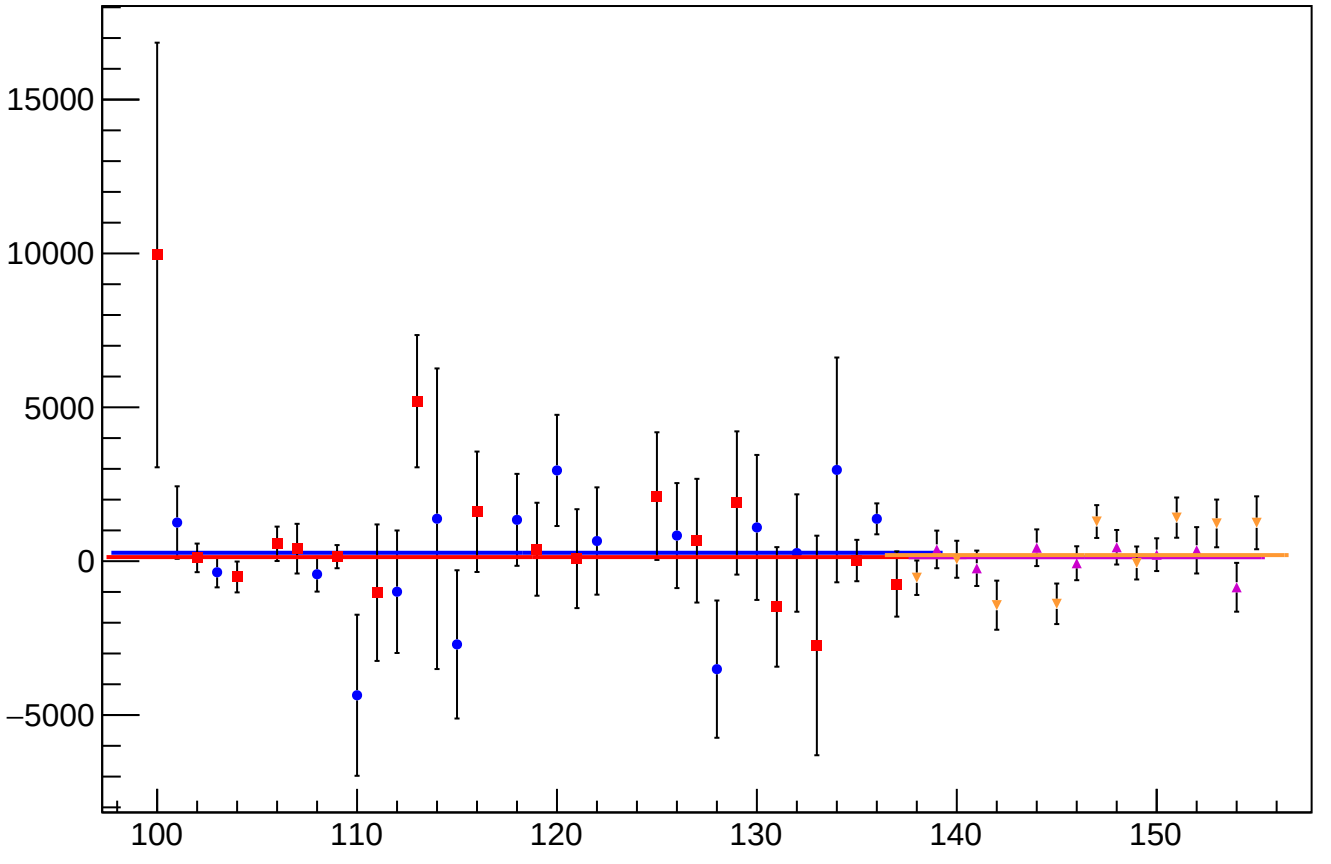
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1628.696+/-0.436 χ^2/NDF:64594.6/7

+ sign 1530.670+/-0.290 χ^2/NDF: 650305.2/24

All: 1525.161+/-0.205 χ^2/NDF: 1155809.9/50

- sign 1519.700+/-0.289 χ^2/NDF: 504786.3/25



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 197.466+/-212.299 χ^2/NDF:22.9/8

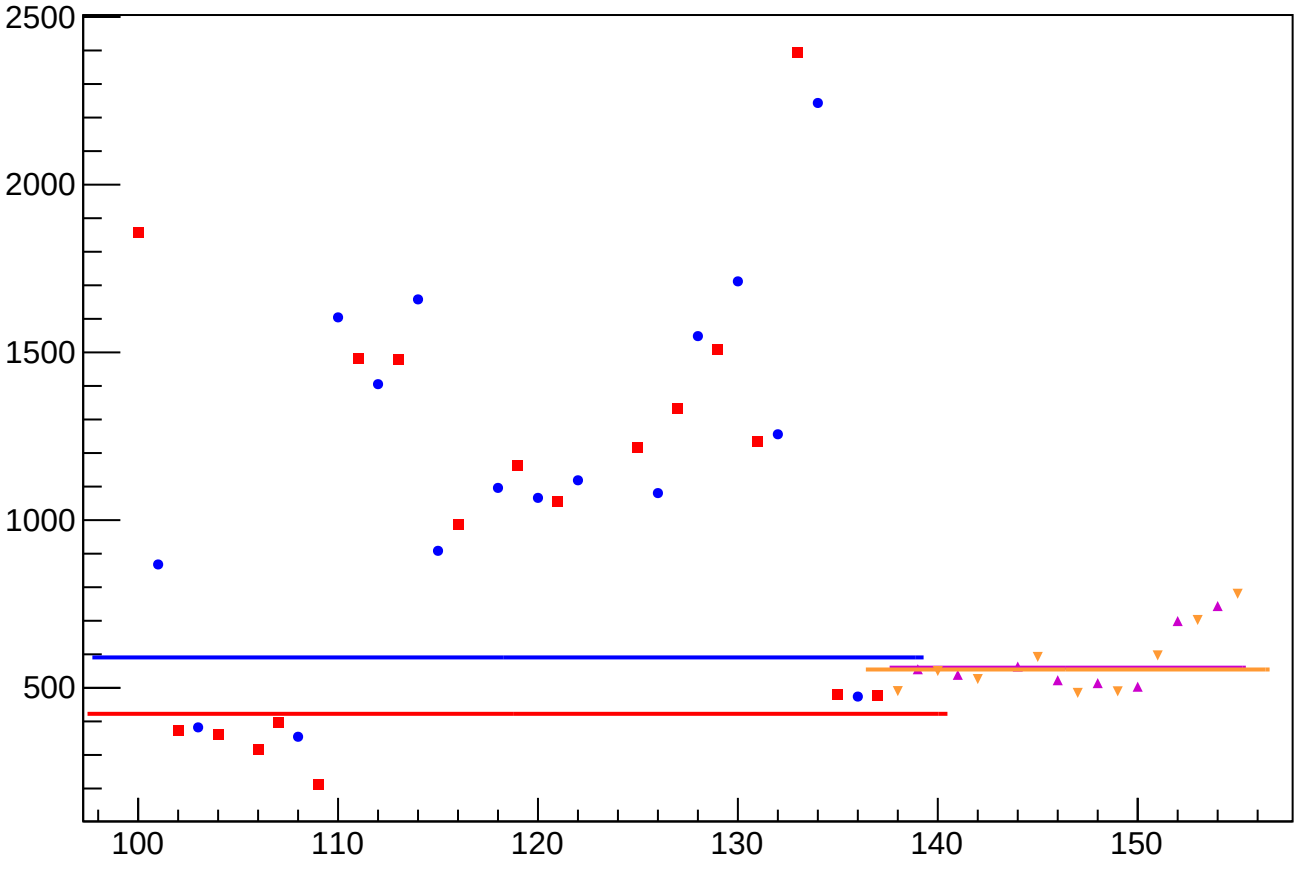
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 127.618+/-213.852 χ^2/NDF:2.9/7

+ sign 227.782+/-164.578 χ^2/NDF: 43.1/24

All: 172.730+/-108.571 χ^2/NDF: 60.7/50

- sign 130.311+/-144.466 χ^2/NDF: 17.4/25



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 554.762+/-0.150 χ^2/NDF:318079.2/8

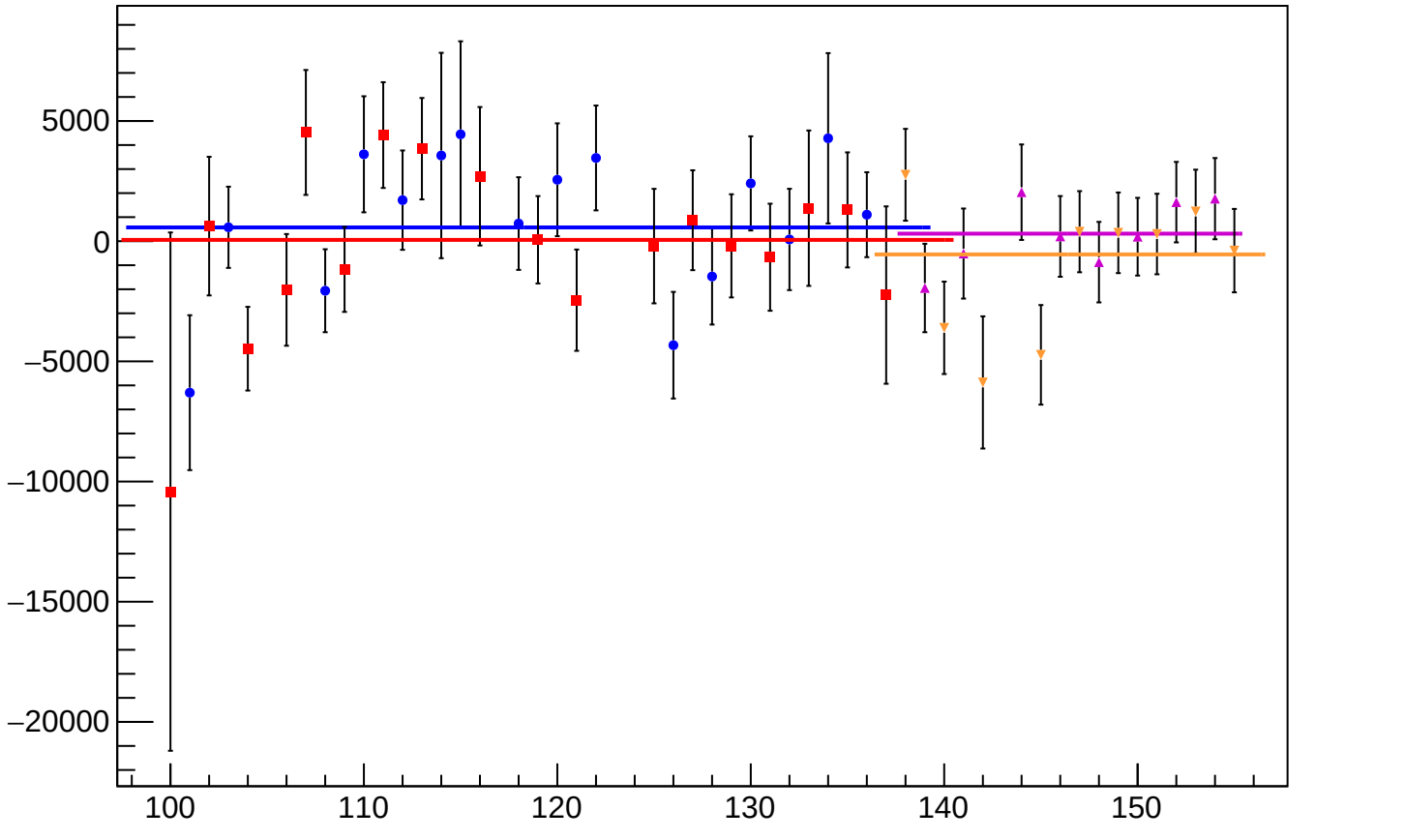
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 560.221+/-0.151 χ^2/NDF:223671.8/7

+ sign 569.122+/-0.116 χ^2/NDF: 4226513.5/24

All: 521.846+/-0.077 χ^2/NDF: 10050477.4/50

- sign 485.420+/-0.102 χ^2/NDF: 5531781.7/25



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -550.888+/-616.057 χ^2/NDF:15.3/8

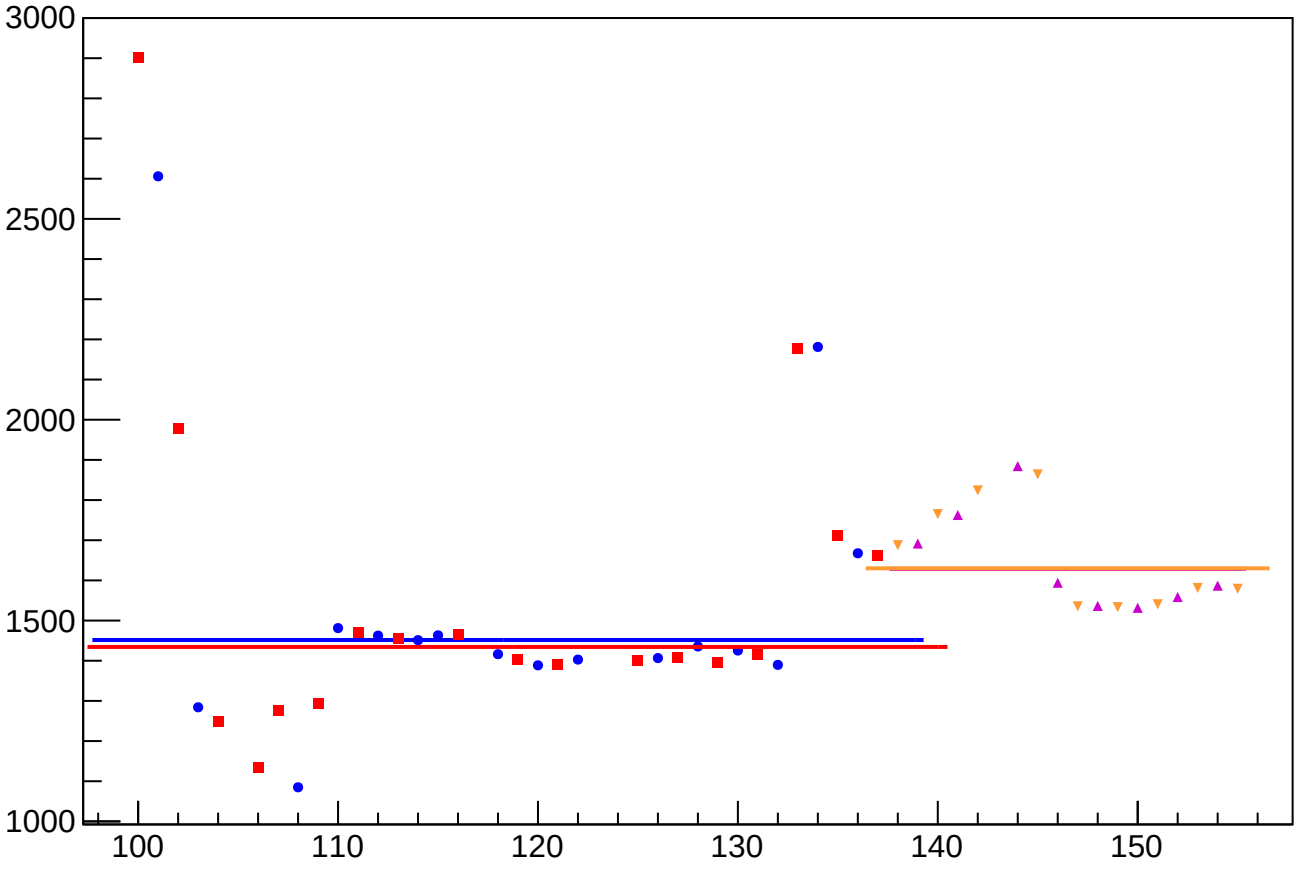
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 312.998+/-616.179 χ^2/NDF:4.3/7

+ sign 74.491+/-410.132 χ^2/NDF: 37.9/24

All: 121.258+/-289.385 χ^2/NDF: 64.9/50

- sign 167.626+/-408.378 χ^2/NDF: 26.9/25



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1630.030+/-0.436 χ^2/NDF:69031.6/8

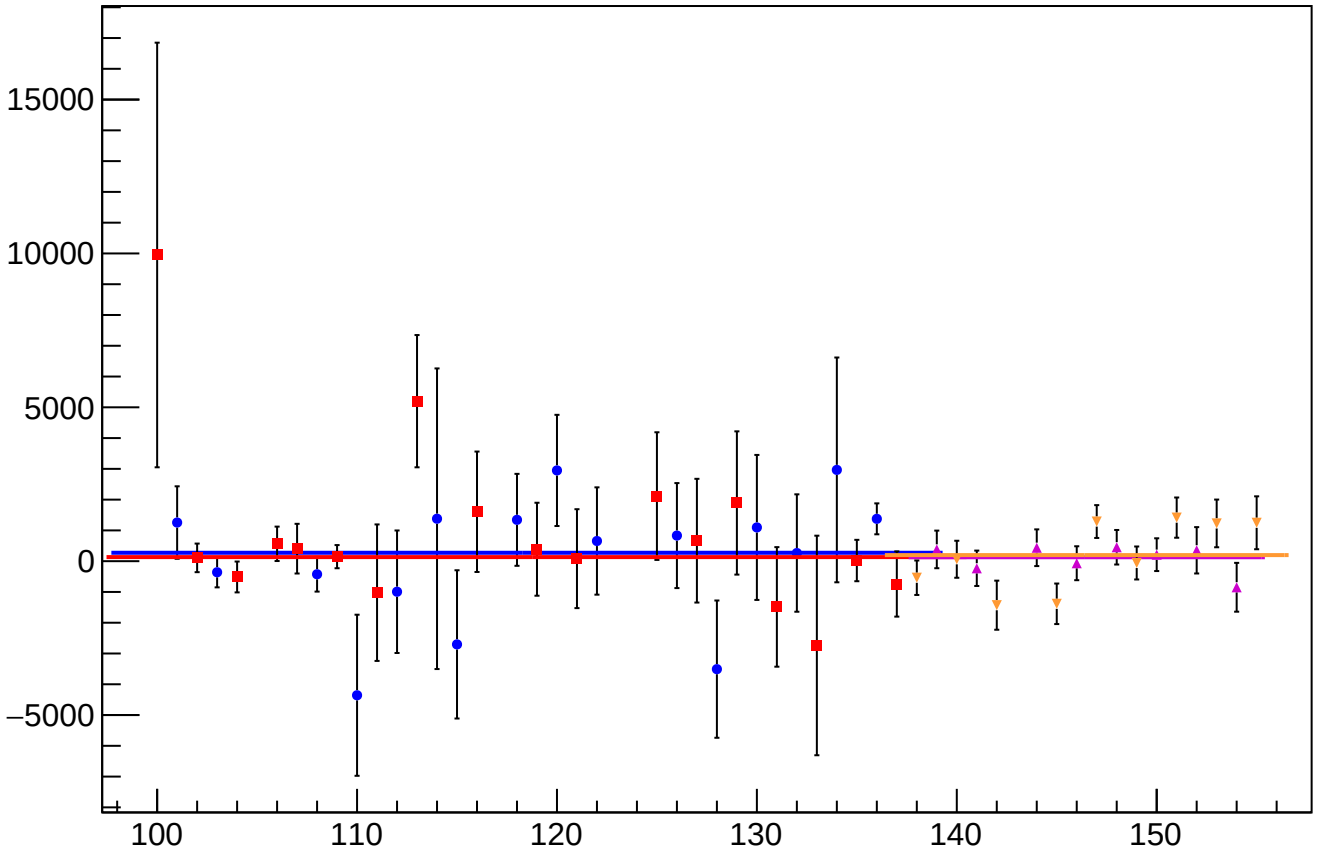
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1628.696+/-0.436 χ^2/NDF:64594.8/7

+ sign 1530.670+/-0.290 χ^2/NDF: 650305.0/24

All: 1525.161+/-0.205 χ^2/NDF: 1155810.0/50

- sign 1519.700+/-0.289 χ^2/NDF: 504786.6/25



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 197.475+/-212.300 χ^2/NDF:22.9/8

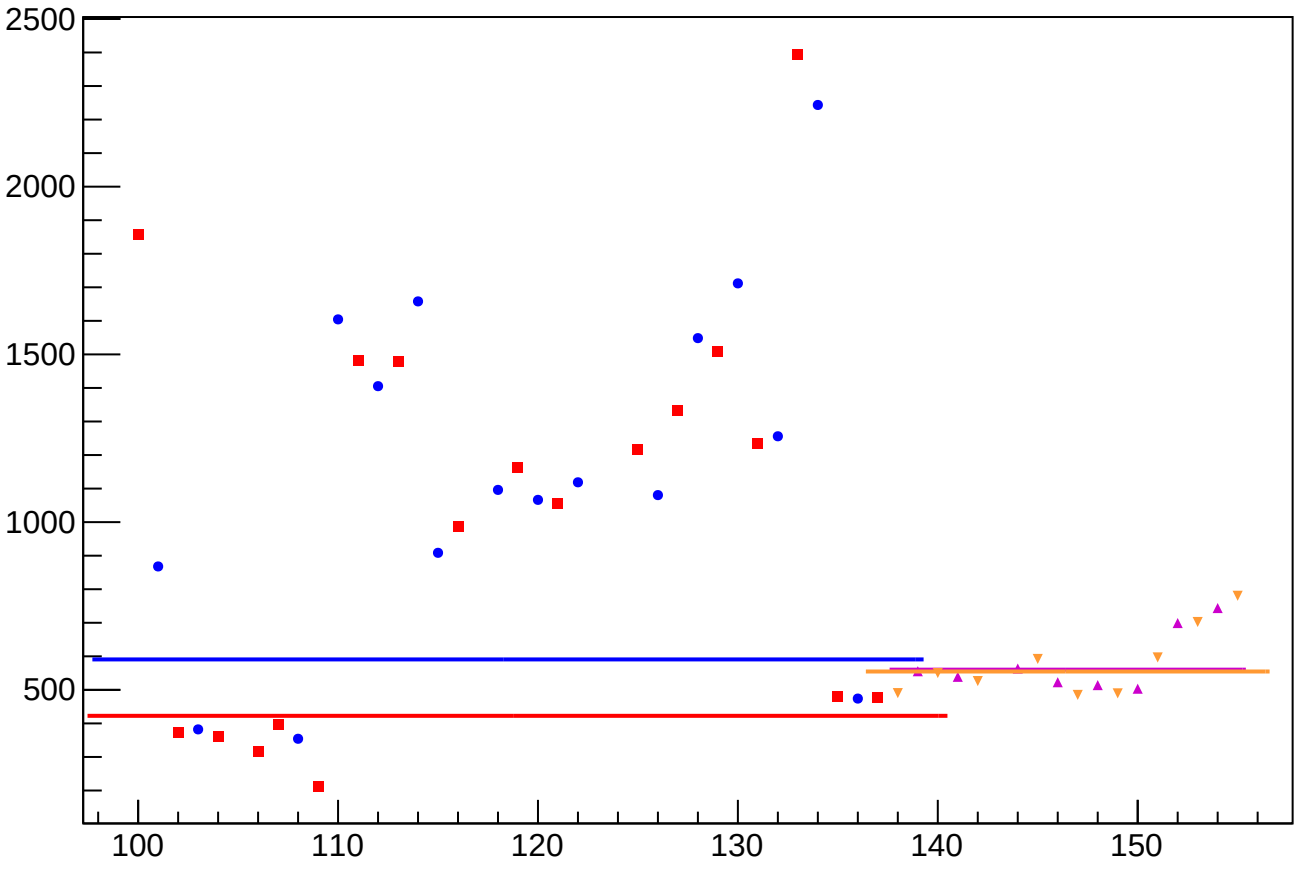
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 127.624+/-213.853 χ^2/NDF:2.9/7

\+ sign 227.783+/-164.579 χ^2/NDF: 43.1/24

All: 172.731+/-108.572 χ^2/NDF: 60.7/50

\- sign 130.311+/-144.467 χ^2/NDF: 17.4/25



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 554.766+/-0.150 χ^2/NDF:318076.3/8

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

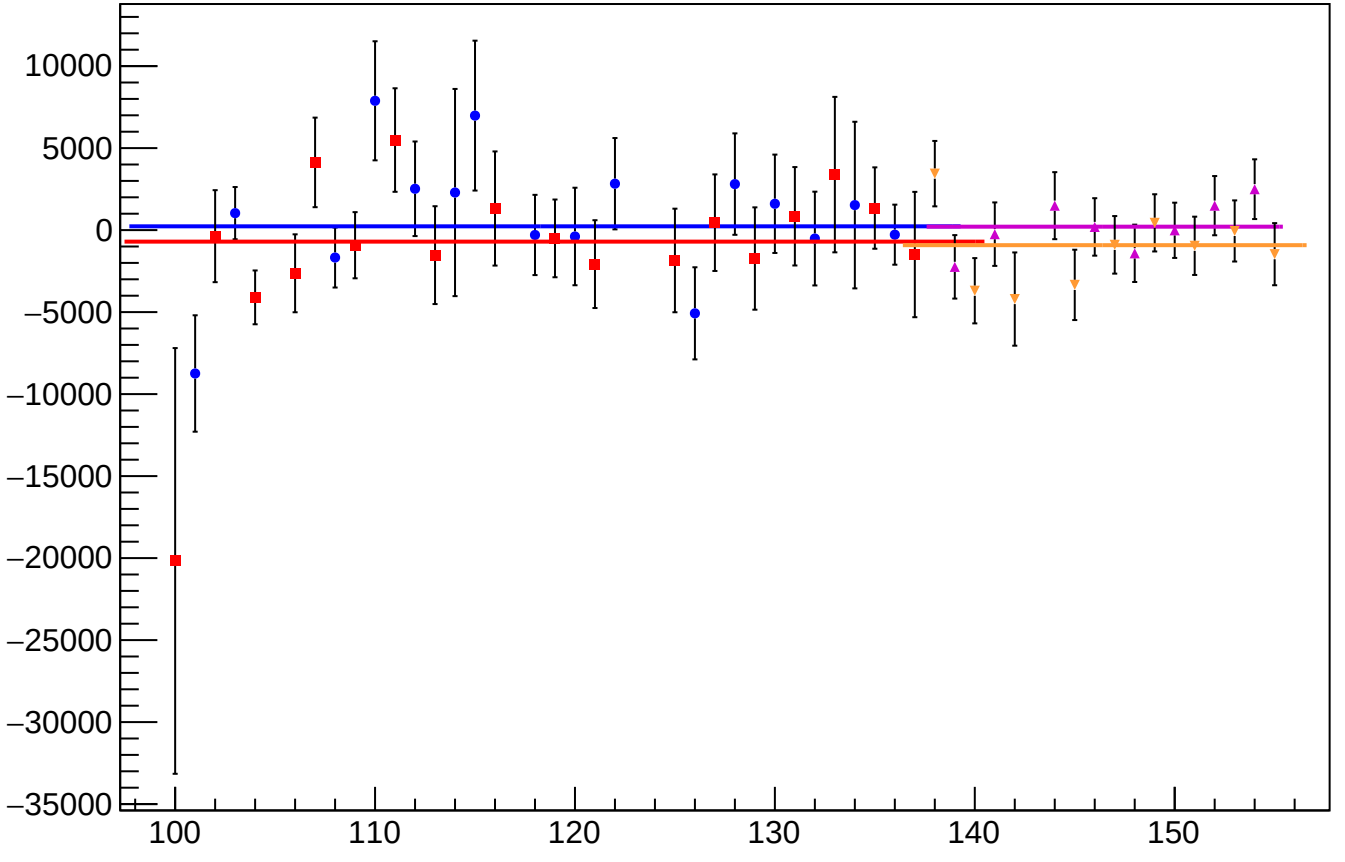
Left In: 560.222+/-0.151 χ^2/NDF:223694.6/7

\+ sign 569.123+/-0.116 χ^2/NDF: 4226531.4/24

All: 521.849+/-0.077 χ^2/NDF: 10050385.6/50

\- sign 485.424+/-0.102 χ^2/NDF: 5531689.0/25

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -918.795+/-647.924 χ^2/NDF:10.3/8

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

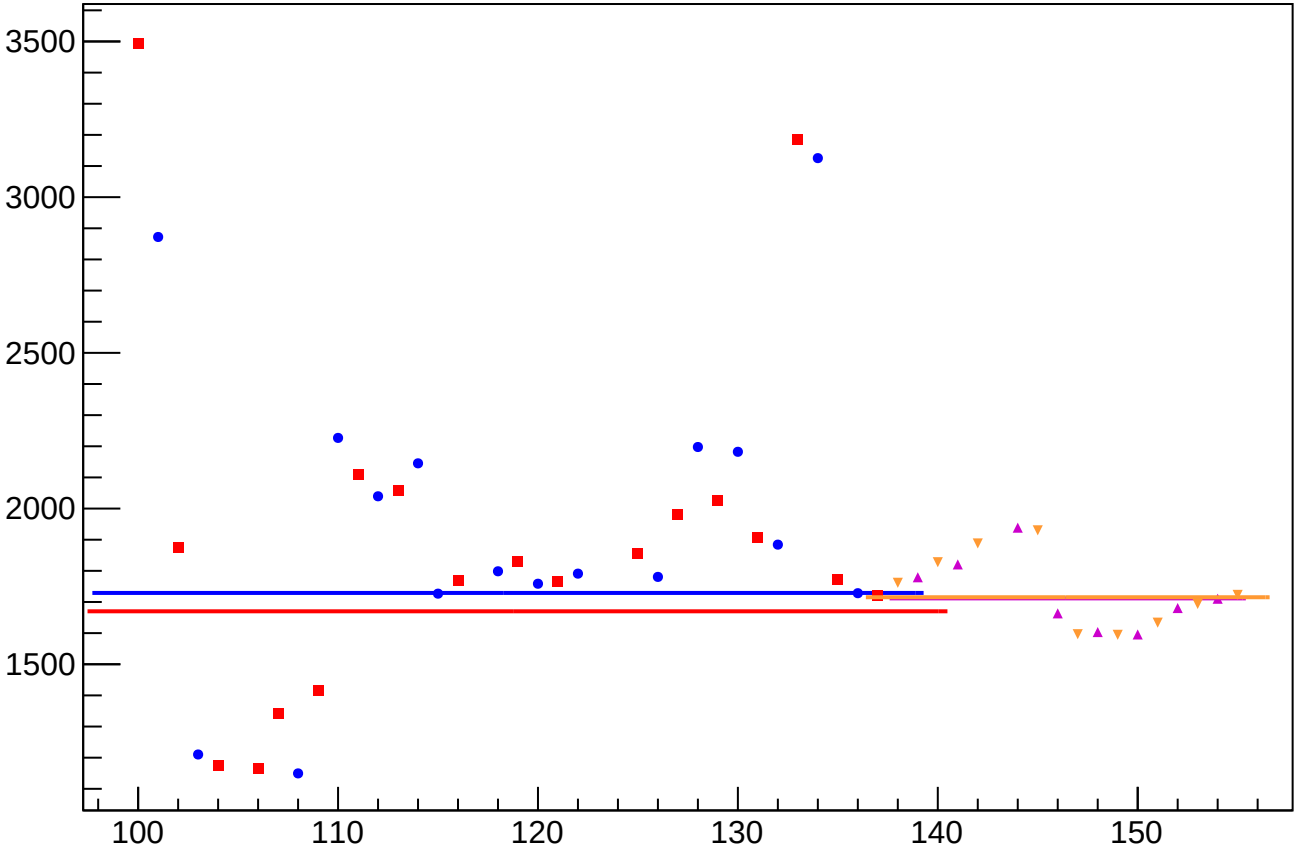
Left In: 208.827+/-647.240 χ^2/NDF:5.0/7

+ sign -360.036+/-464.492 χ^2/NDF: 32.5/24

All: -302.202+/-326.144 χ^2/NDF: 55.6/50

- sign -245.962+/-458.049 χ^2/NDF: 23.0/25

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1715.207+/-0.458 χ^2/NDF:58187.1/8

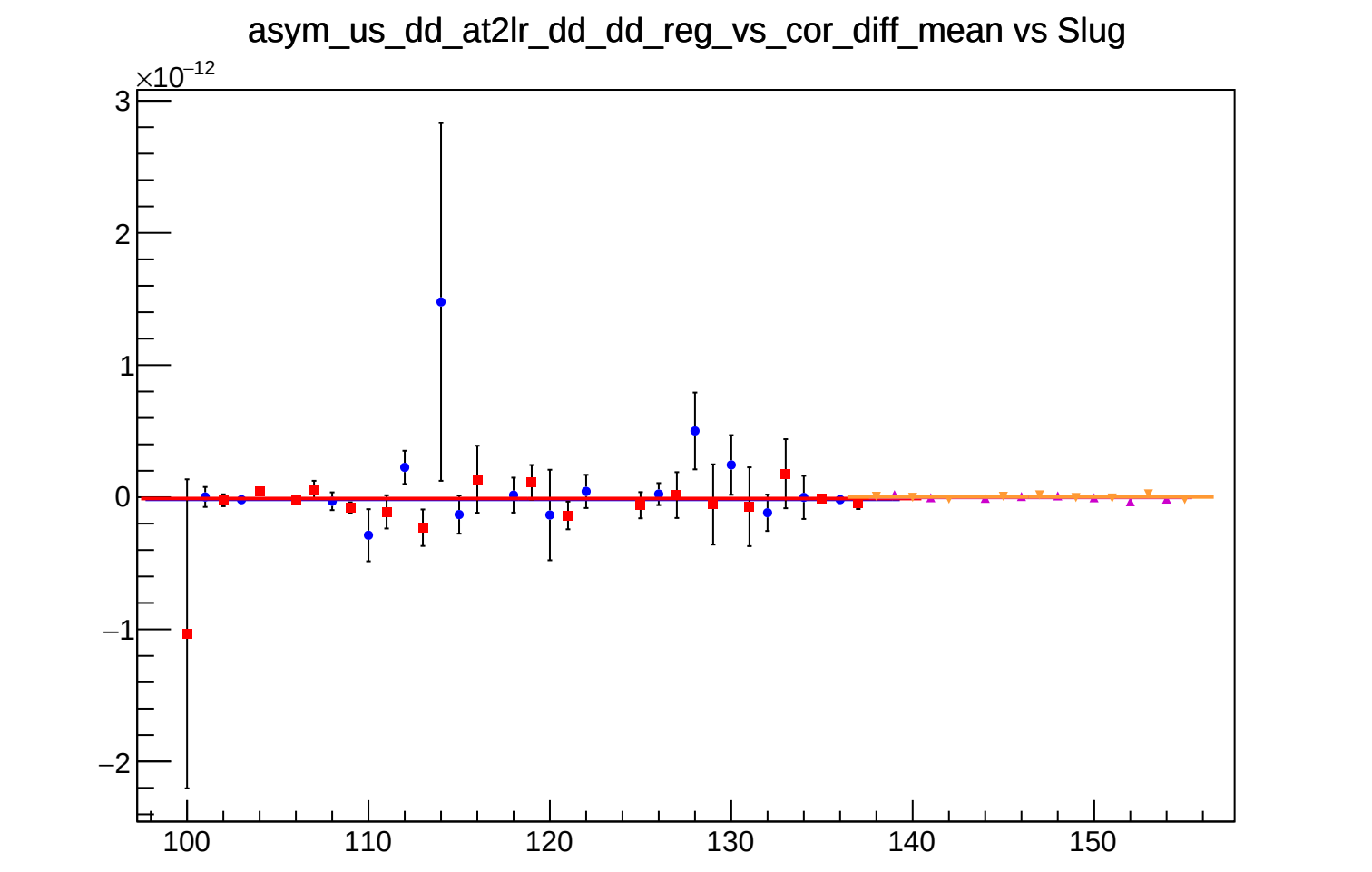
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

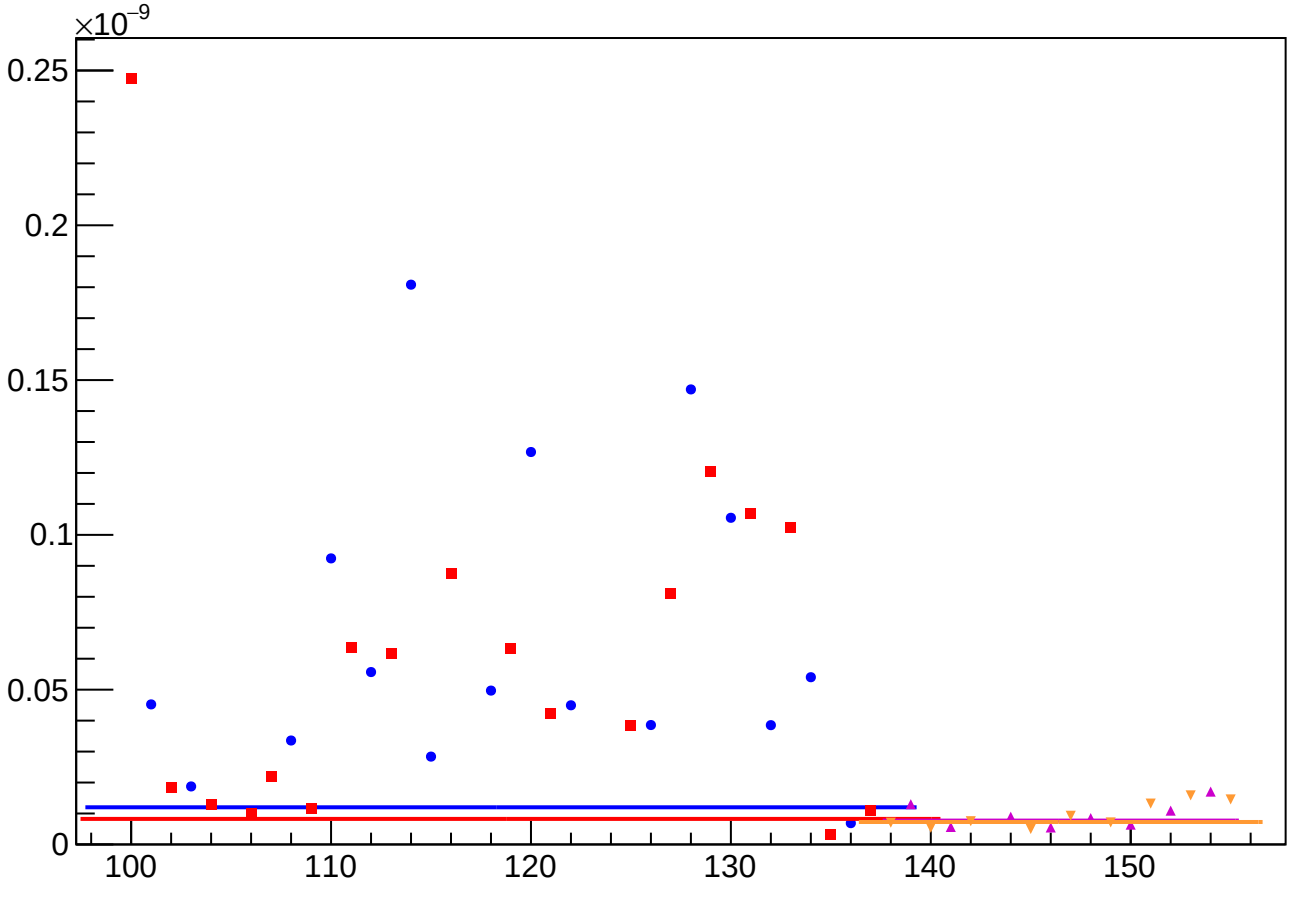
Left In: 1711.548+/-0.458 χ^2/NDF:52722.6/7

+ sign 1721.935+/-0.328 χ^2/NDF: 1000710.0/24

All: 1706.169+/-0.231 χ^2/NDF: 1806532.4/50

- sign 1690.837+/-0.324 χ^2/NDF: 801277.4/25


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
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3.9/8
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:5.8/7
+ sign -0.000+/-0.000 χ²/NDF: 19.8/24
All: -0.000+/-0.000 χ²/NDF: 43.0/50
- sign -0.000+/-0.000 χ²/NDF: 23.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:796247.7/8

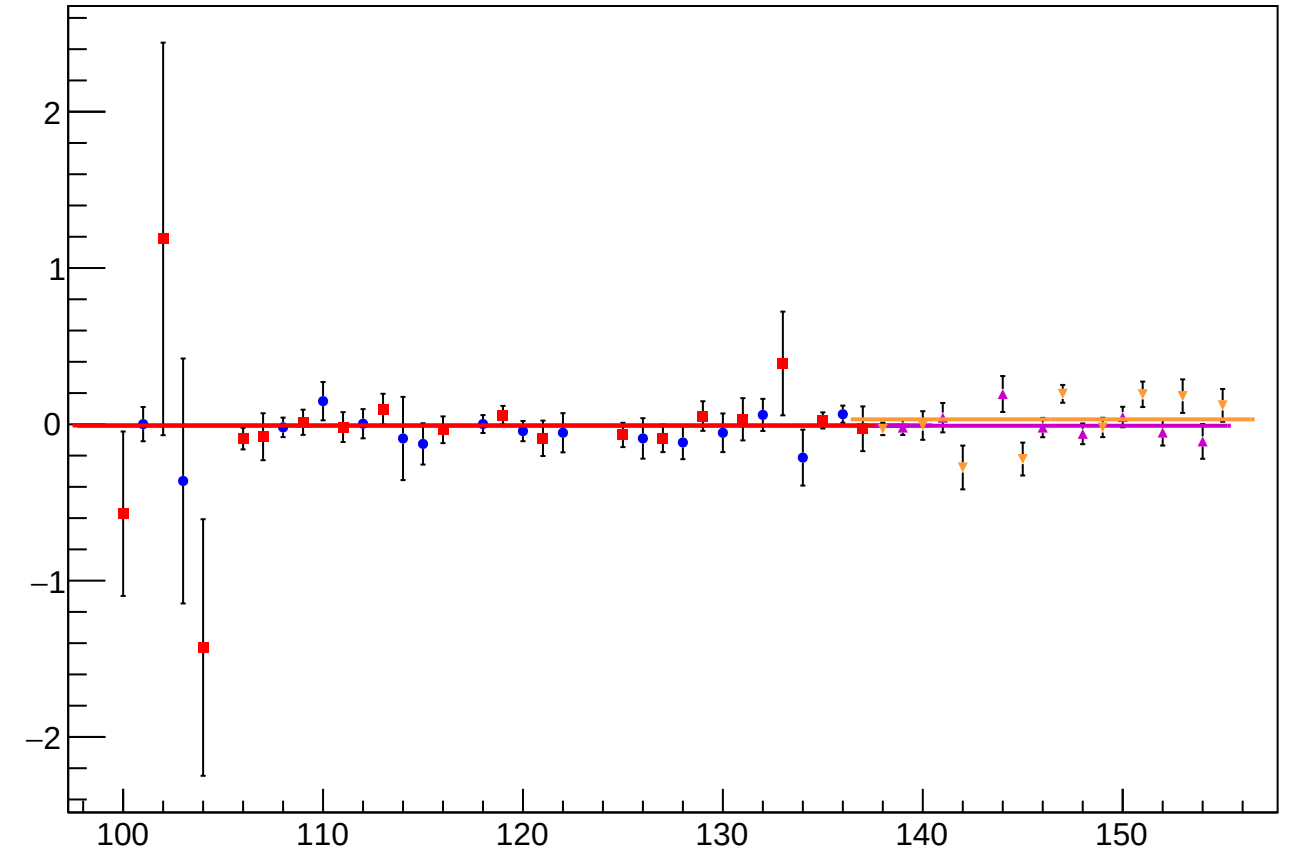
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:713083.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 4577560.3/24

All: 0.000+/-0.000 χ^2/NDF: 8809982.9/50

- sign 0.000+/-0.000 χ^2/NDF: 4229305.2/25



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.032+/-0.024 χ^2/NDF:28.6/8

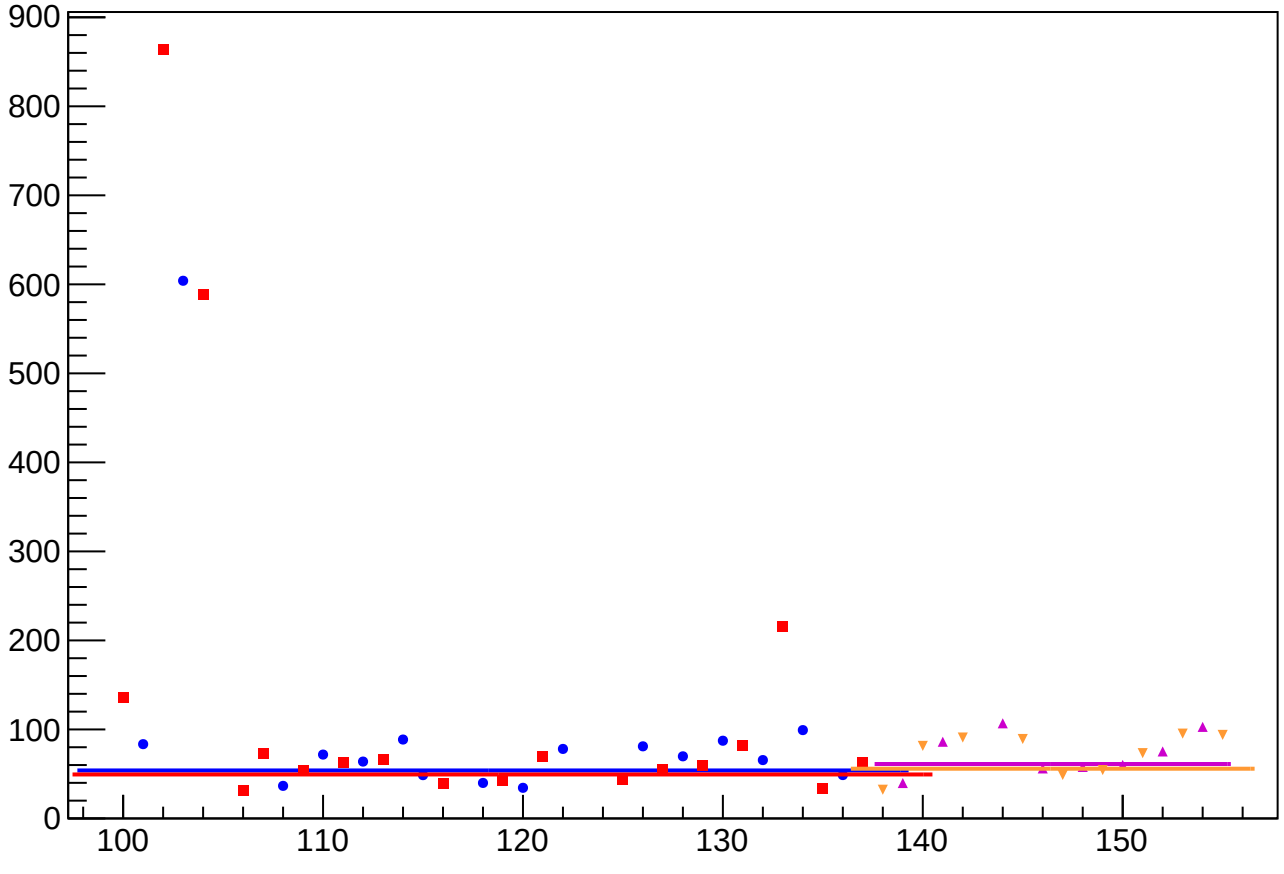
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.009+/-0.025 χ^2/NDF:5.9/7

+ sign 0.011+/-0.017 χ^2/NDF: 38.3/24

All: 0.002+/-0.012 χ^2/NDF: 58.6/50

- sign -0.008+/-0.017 χ^2/NDF: 19.6/25



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 55.873+/-0.017 χ^2/NDF:1839111.9/8

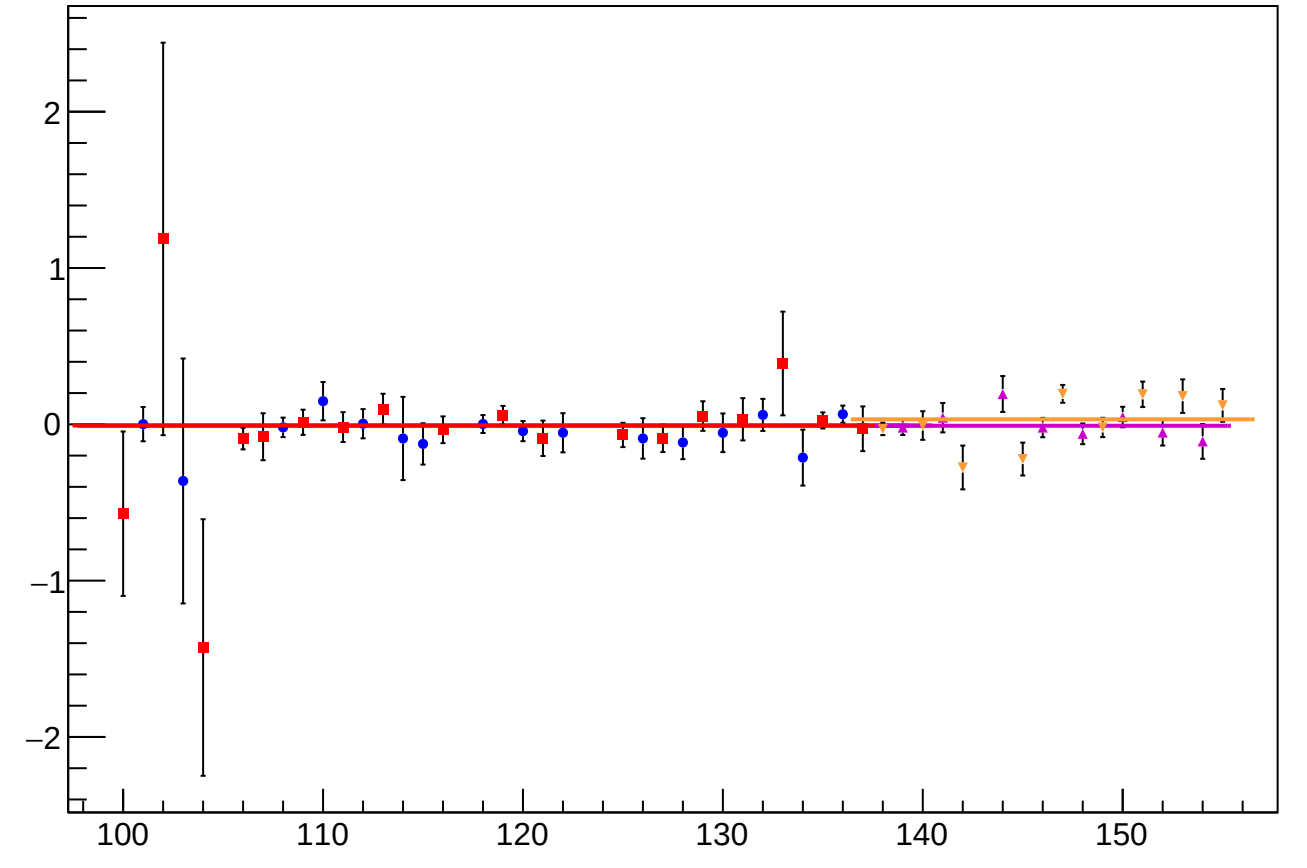
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 61.166+/-0.018 χ^2/NDF:1217577.6/7

+ sign 54.876+/-0.012 χ^2/NDF: 4060390.4/24

All: 54.719+/-0.008 χ^2/NDF: 8540534.8/50

- sign 54.560+/-0.012 χ^2/NDF: 4479780.1/25



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.032+/-0.024 χ^2/NDF:28.6/8

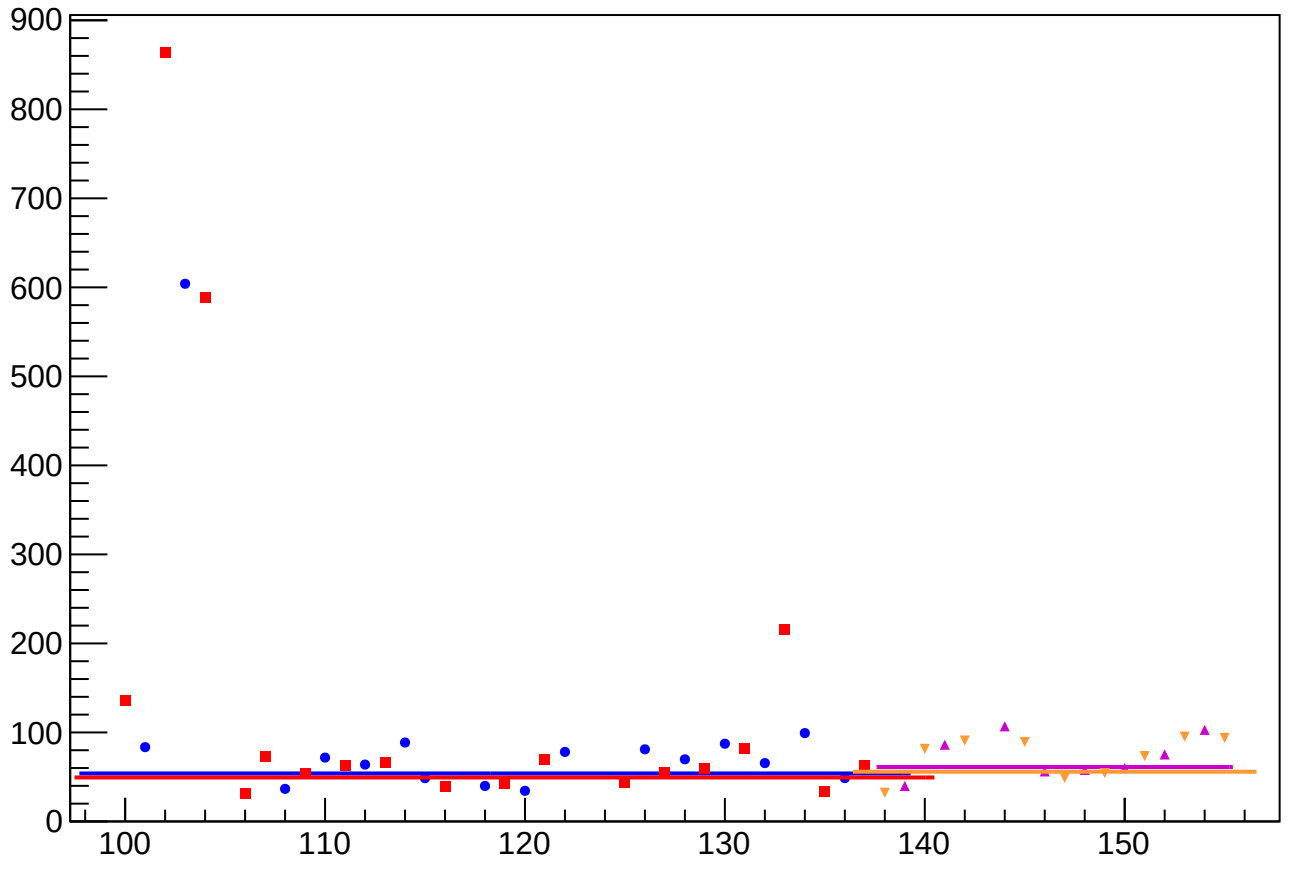
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.009+/-0.025 χ^2/NDF:5.9/7

+ sign 0.011+/-0.017 χ^2/NDF: 38.3/24

All: 0.002+/-0.012 χ^2/NDF: 58.6/50

- sign -0.008+/-0.017 χ^2/NDF: 19.6/25



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 55.873+/-0.017 χ^2/NDF:1839111.9/8

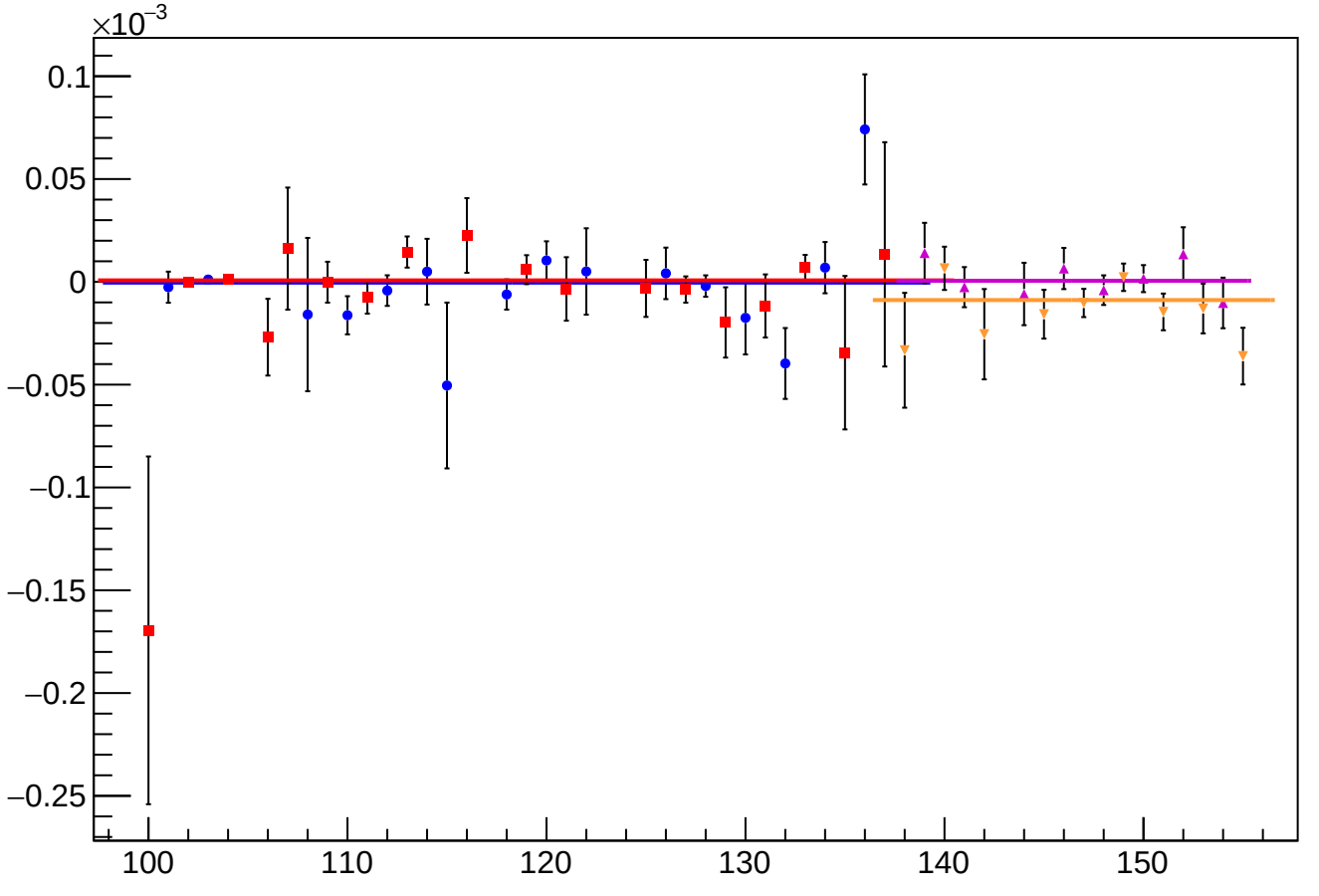
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 61.166+/-0.018 χ^2/NDF:1217577.6/7

+ sign 54.876+/-0.012 χ^2/NDF: 4060390.4/24

All: 54.719+/-0.008 χ^2/NDF: 8540534.8/50

- sign 54.560+/-0.012 χ^2/NDF: 4479780.1/25



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/8

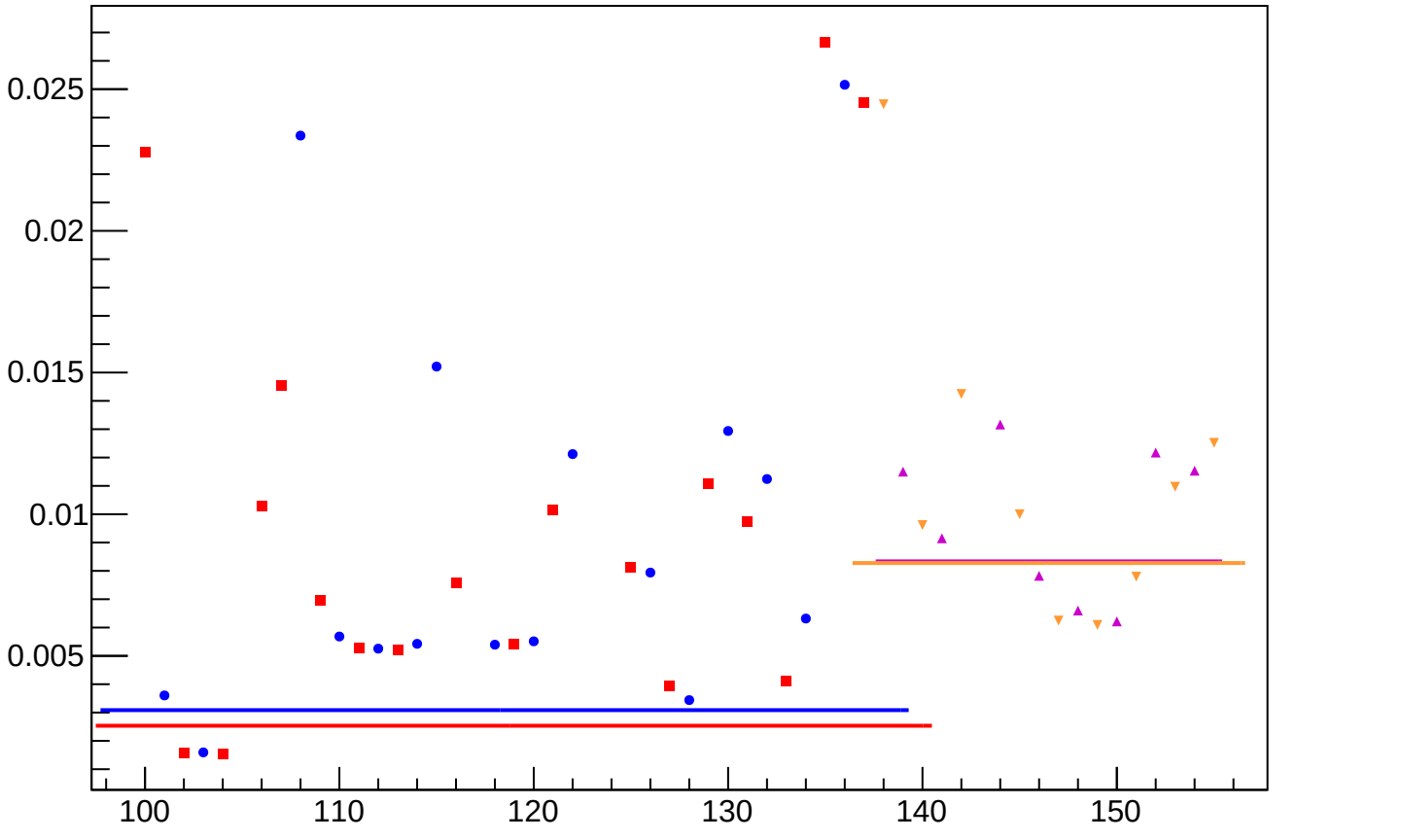
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:3.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 38.3/24

All: -0.000+/-0.000 χ^2/NDF: 61.8/50

- sign 0.000+/-0.000 χ^2/NDF: 21.5/25



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:1578122.9/8

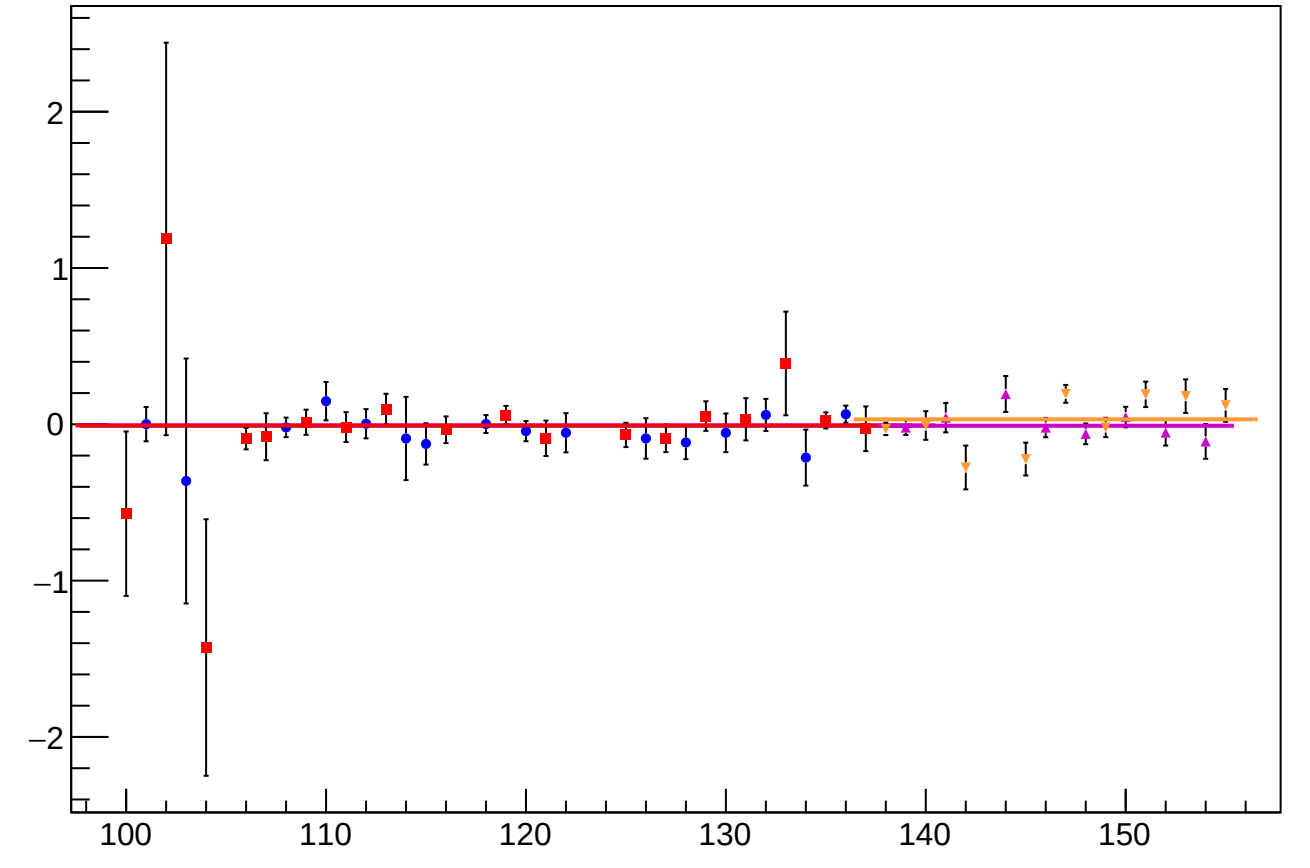
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.008+/-0.000 χ^2/NDF:944212.7/7

\+ sign 0.004+/-0.000 χ^2/NDF: 11205103.6/24

All: 0.004+/-0.000 χ^2/NDF: 23766596.5/50

\- sign 0.003+/-0.000 χ^2/NDF: 12172970.6/25



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.032+/-0.024 χ^2/NDF:28.6/8

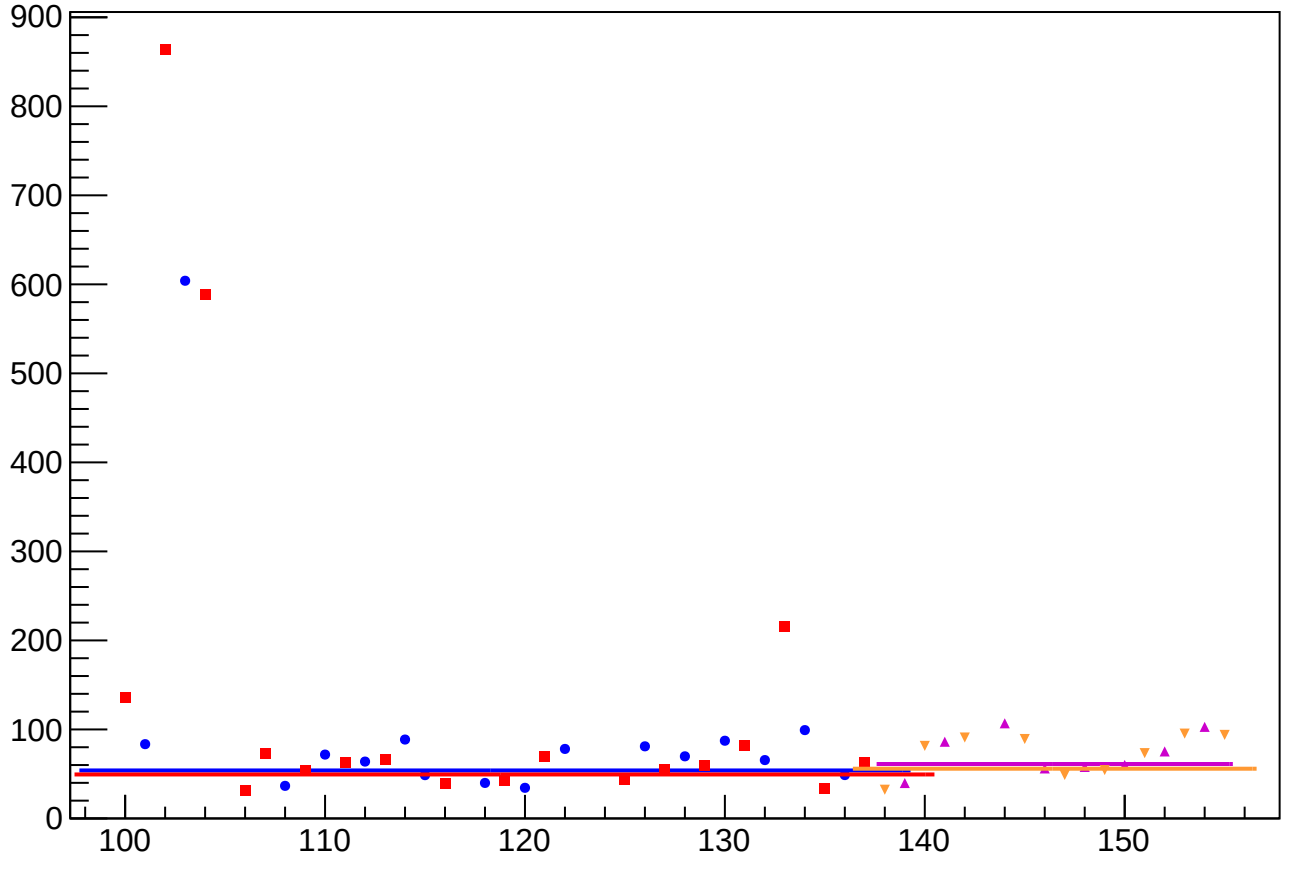
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.009+/-0.025 χ^2/NDF:5.9/7

+ sign 0.011+/-0.017 χ^2/NDF: 38.3/24

All: 0.002+/-0.012 χ^2/NDF: 58.6/50

- sign -0.008+/-0.017 χ^2/NDF: 19.6/25



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 55.878+/-0.017 χ^2/NDF:1838447.1/8

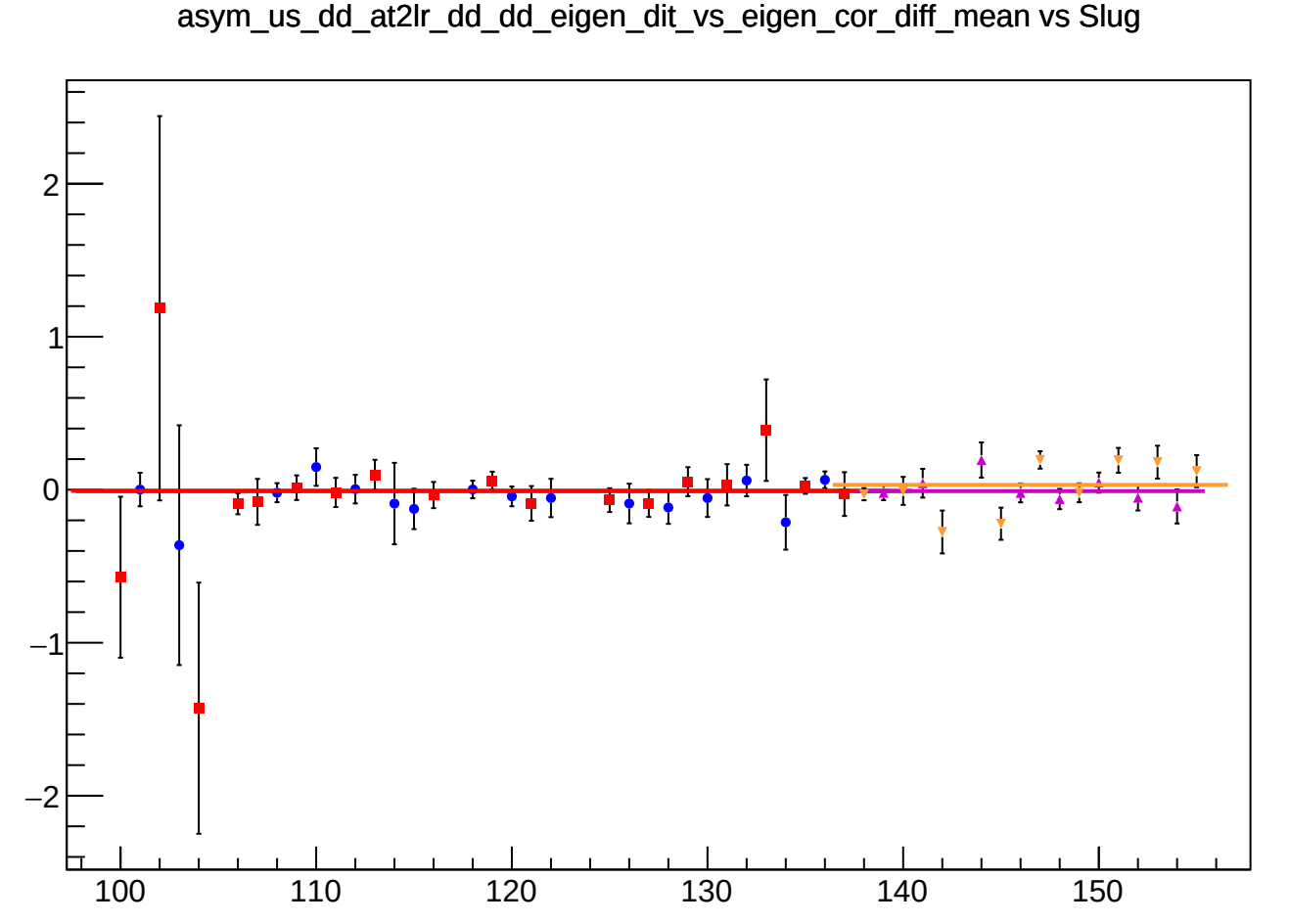
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 61.165+/-0.018 χ^2/NDF:1217701.1/7

+ sign 54.880+/-0.012 χ^2/NDF: 4059332.8/24

All: 54.722+/-0.008 χ^2/NDF: 8539207.0/50

- sign 54.561+/-0.012 χ^2/NDF: 4479503.5/25



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.032+/-0.024 χ^2/NDF:28.6/8

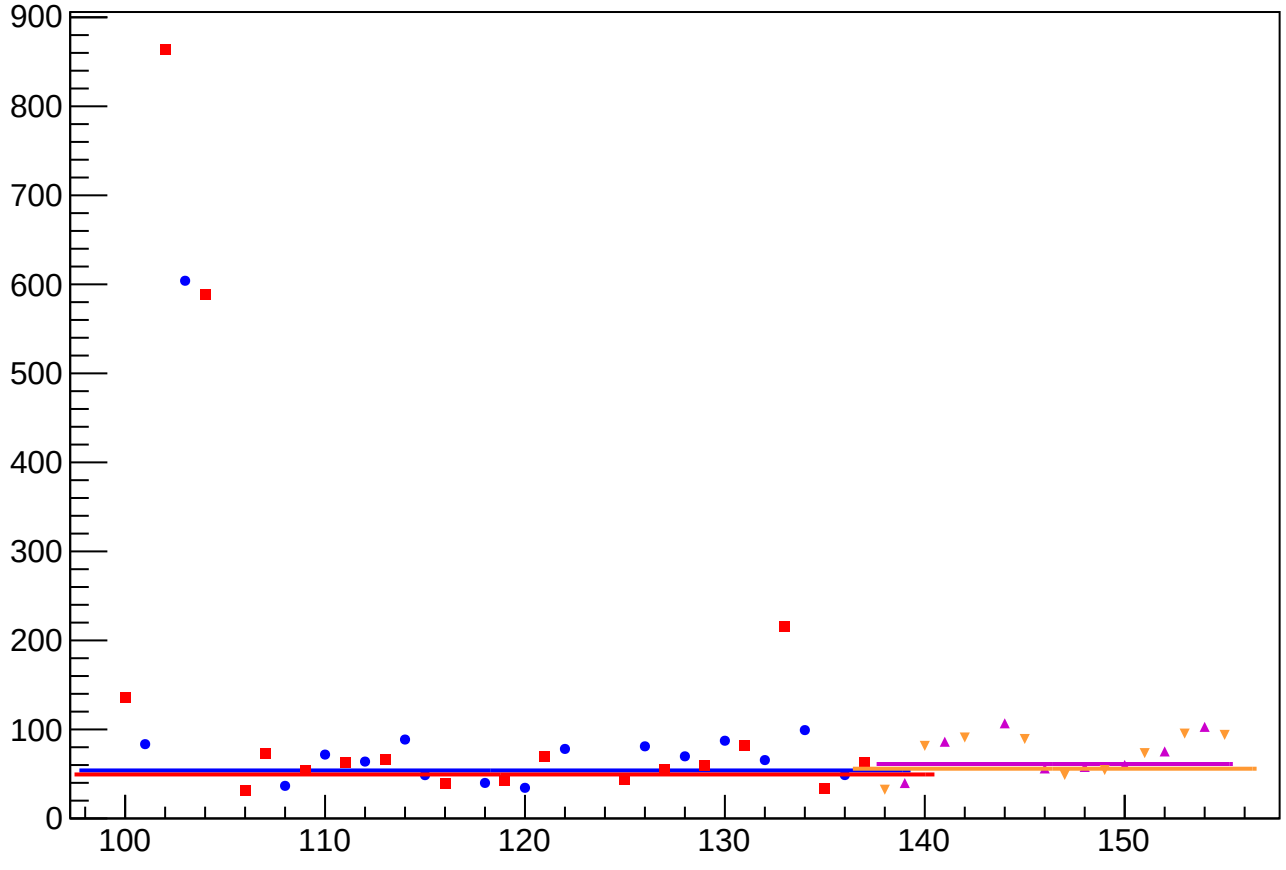
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.009+/-0.025 χ^2/NDF:5.9/7

+ sign 0.011+/-0.017 χ^2/NDF: 38.3/24

All: 0.002+/-0.012 χ^2/NDF: 58.6/50

- sign -0.008+/-0.017 χ^2/NDF: 19.6/25



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 55.878+/-0.017 χ^2/NDF:1838447.1/8

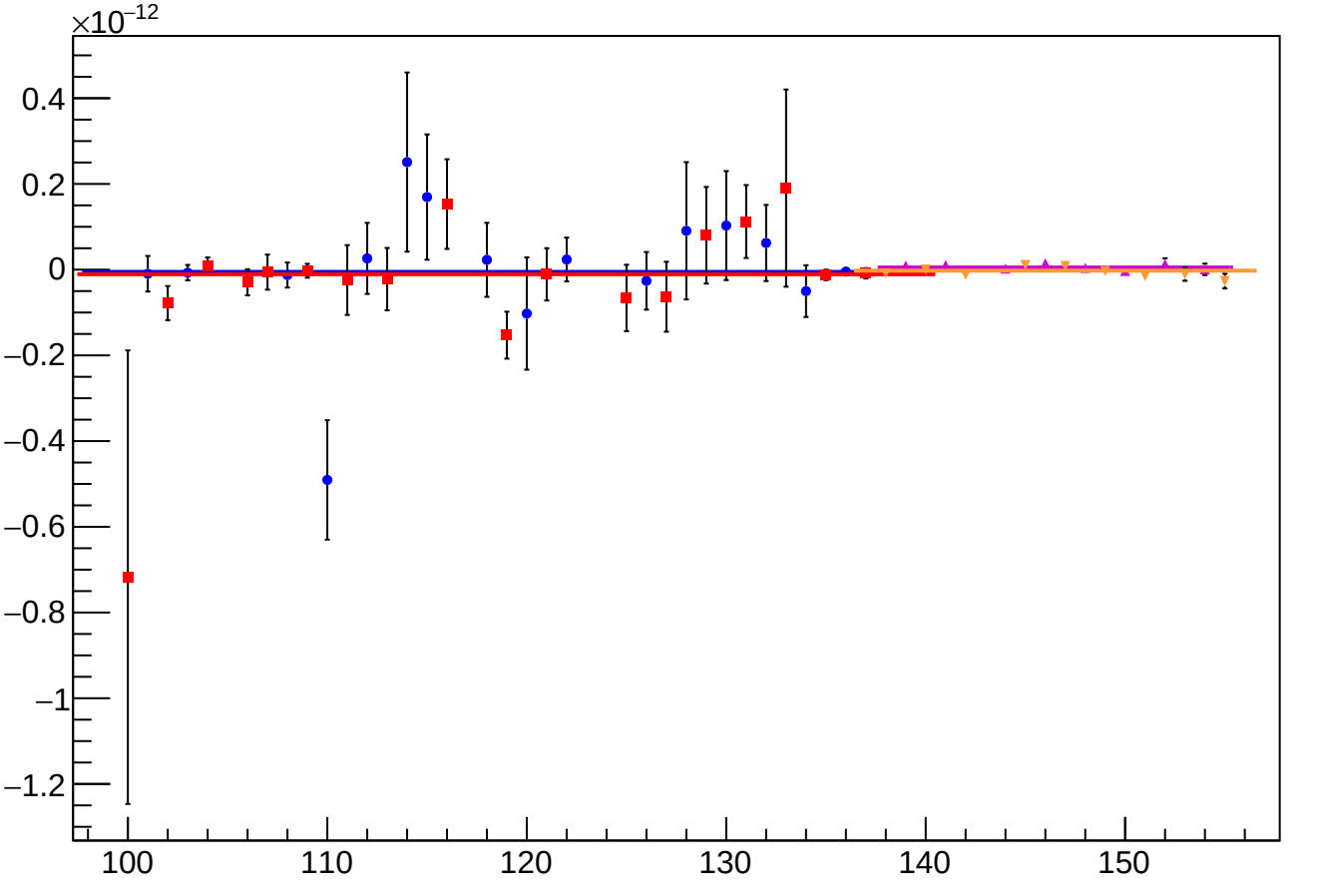
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 61.165+/-0.018 χ^2/NDF:1217701.1/7

+ sign 54.880+/-0.012 χ^2/NDF: 4059332.8/24

All: 54.722+/-0.008 χ^2/NDF: 8539207.0/50

- sign 54.561+/-0.012 χ^2/NDF: 4479503.5/25



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/8

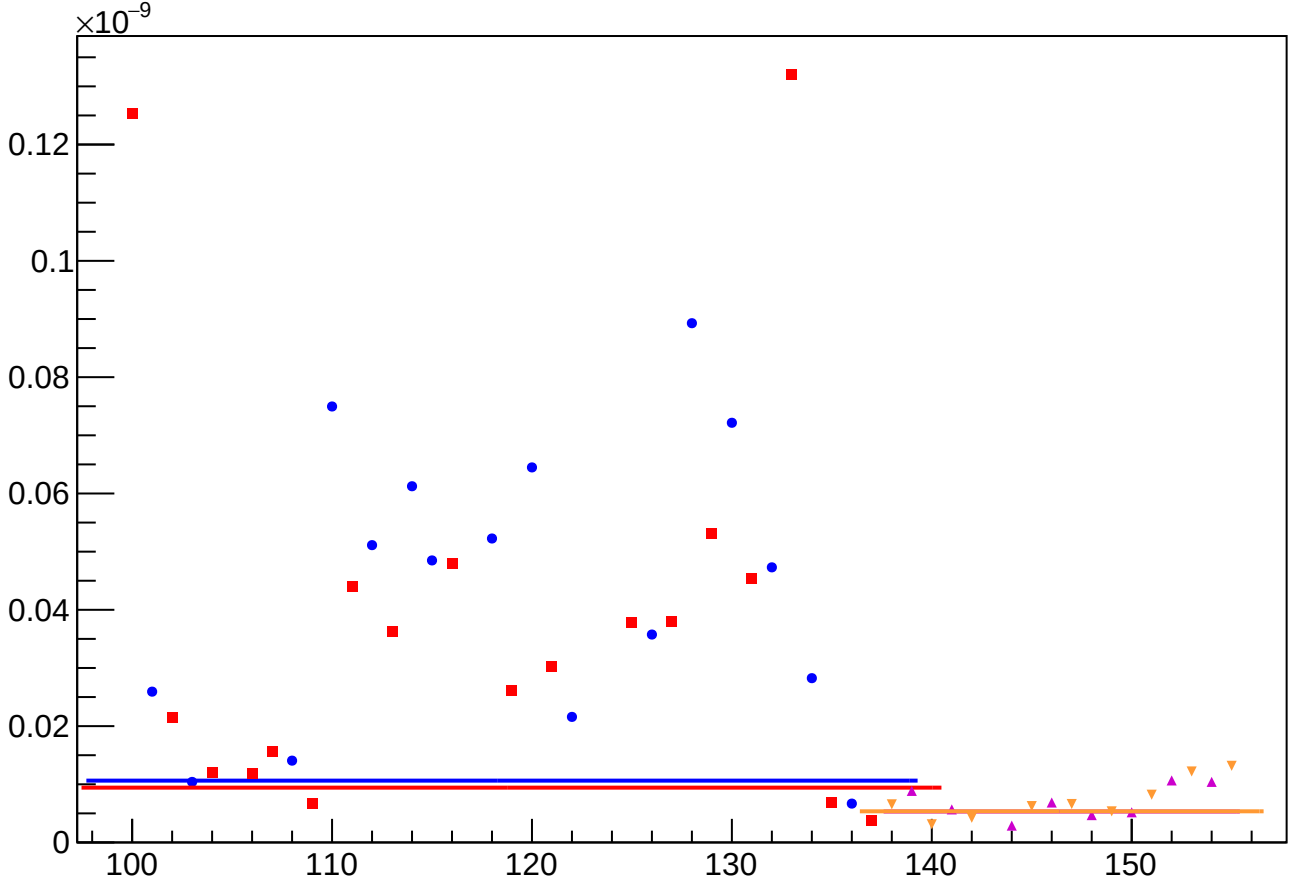
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:4.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 28.5/24

All: -0.000+/-0.000 χ^2/NDF: 60.1/50

- sign 0.000+/-0.000 χ^2/NDF: 29.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1535462.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

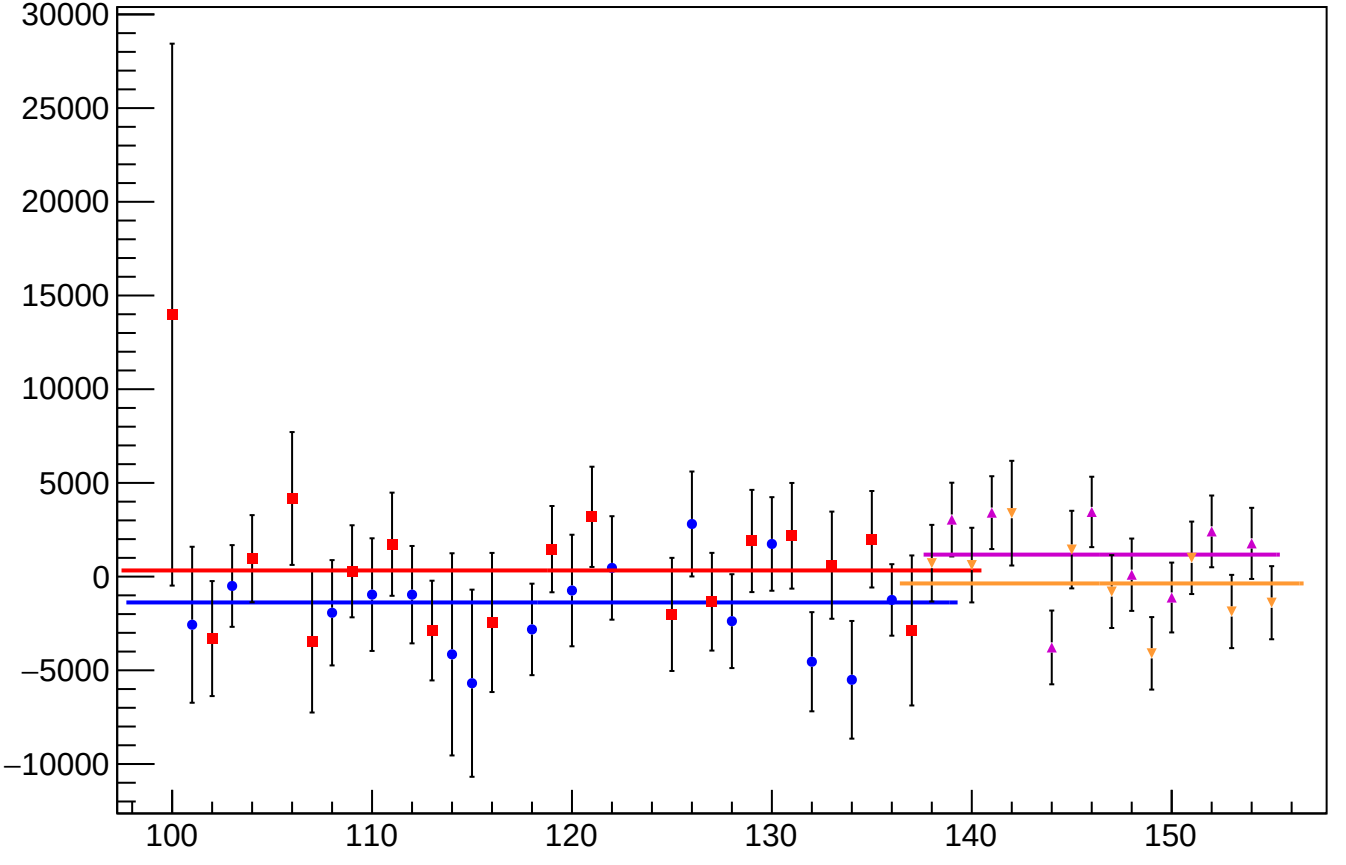
Left In: 0.000+/-0.000 χ^2/NDF:1396022.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 7121564.6/24

All: 0.000+/-0.000 χ^2/NDF: 13235913.8/50

- sign 0.000+/-0.000 χ^2/NDF: 6111631.7/25

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -364.540+/-677.826 χ^2/NDF:8.2/8

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

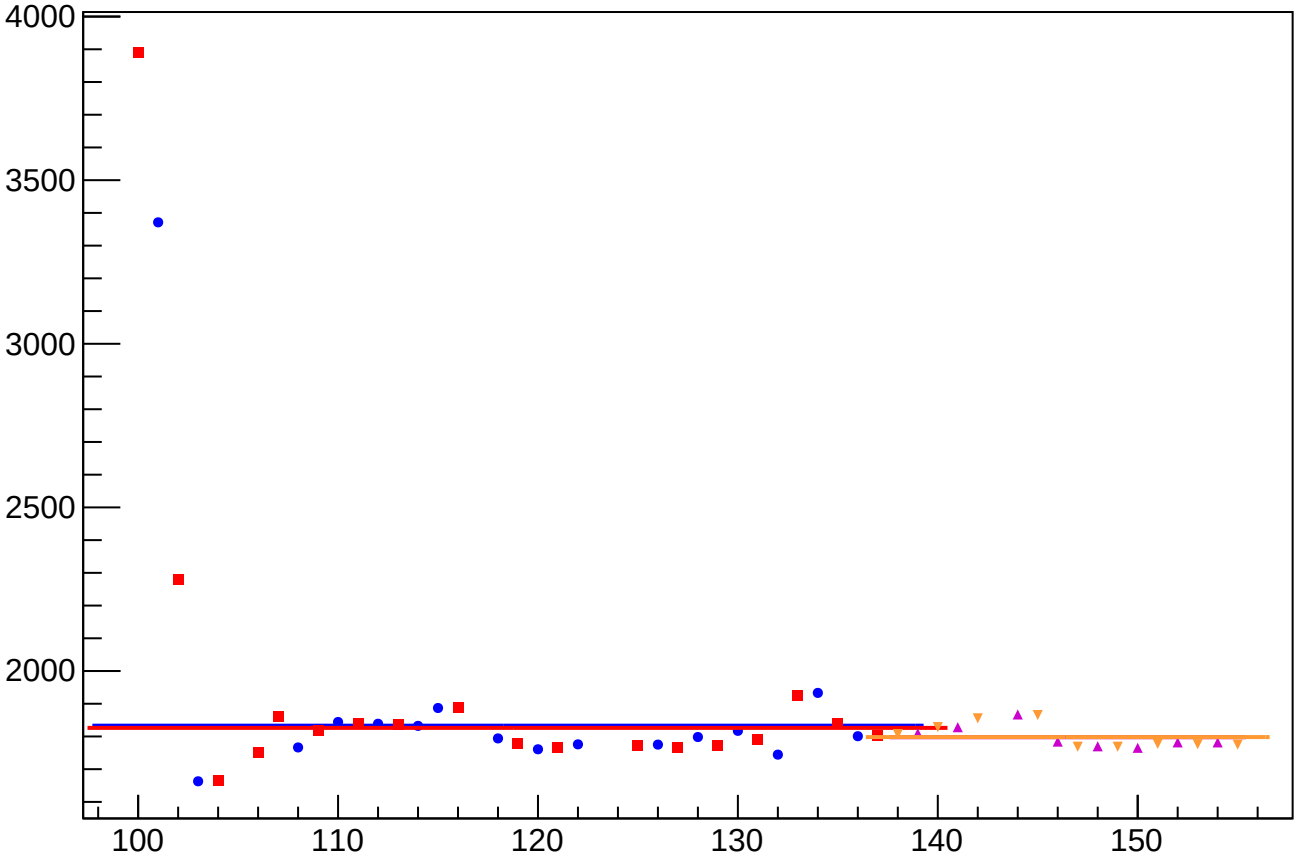
Left In: 1173.534+/-678.535 χ^2/NDF:12.4/7

+ sign -863.337+/-483.208 χ^2/NDF: 18.6/24

All: -51.868+/-341.137 χ^2/NDF: 48.4/50

- sign 754.471+/-481.678 χ^2/NDF: 24.2/25

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1798.102+/-0.479 χ^2/NDF:5140.6/8

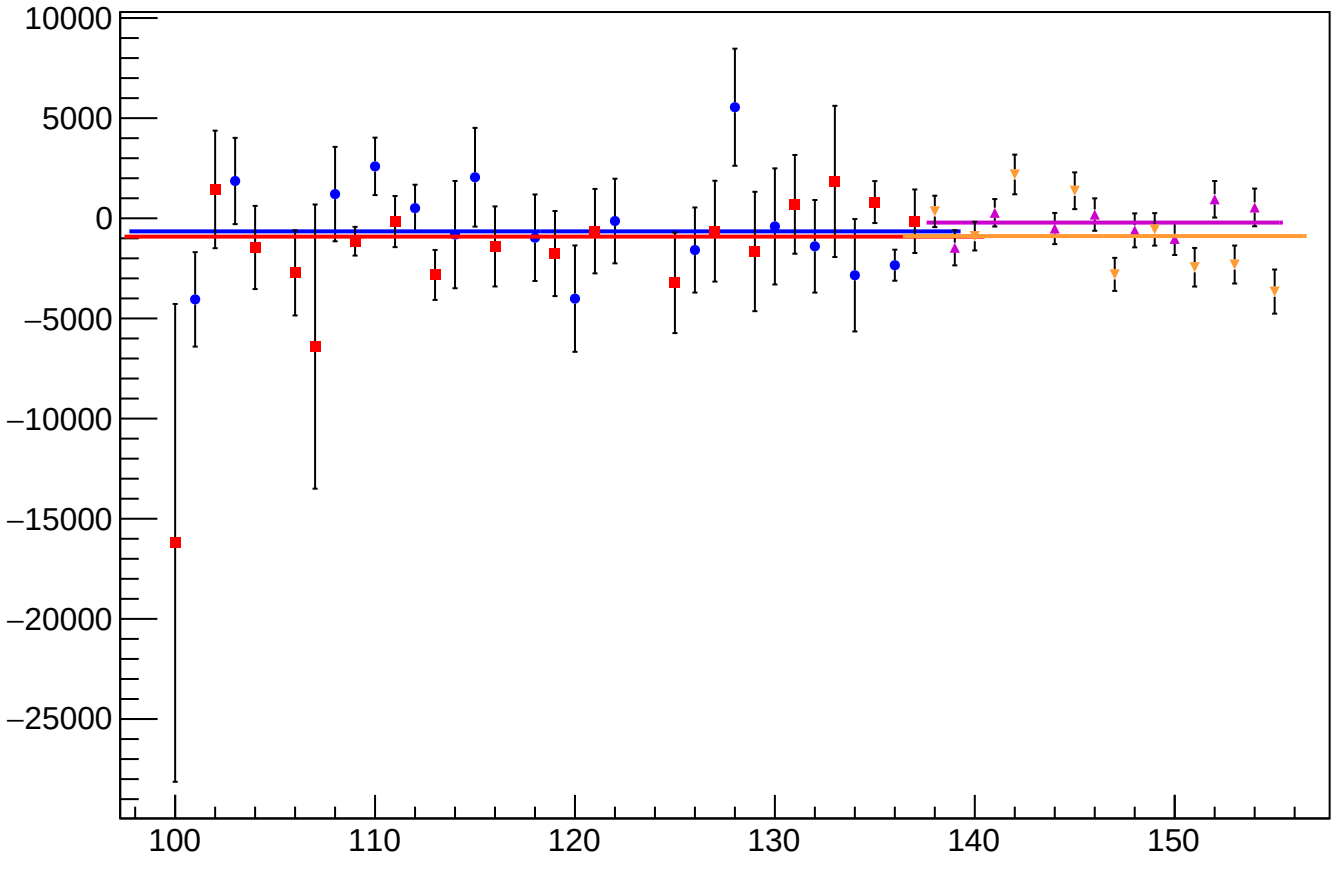
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1797.675+/-0.480 χ^2/NDF:4458.6/7

+ sign 1815.239+/-0.342 χ^2/NDF: 303179.4/24

All: 1813.529+/-0.241 χ^2/NDF: 412448.9/50

- sign 1811.829+/-0.341 χ^2/NDF: 109219.6/25



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -888.161+/-291.309 χ^2/NDF:34.9/8

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

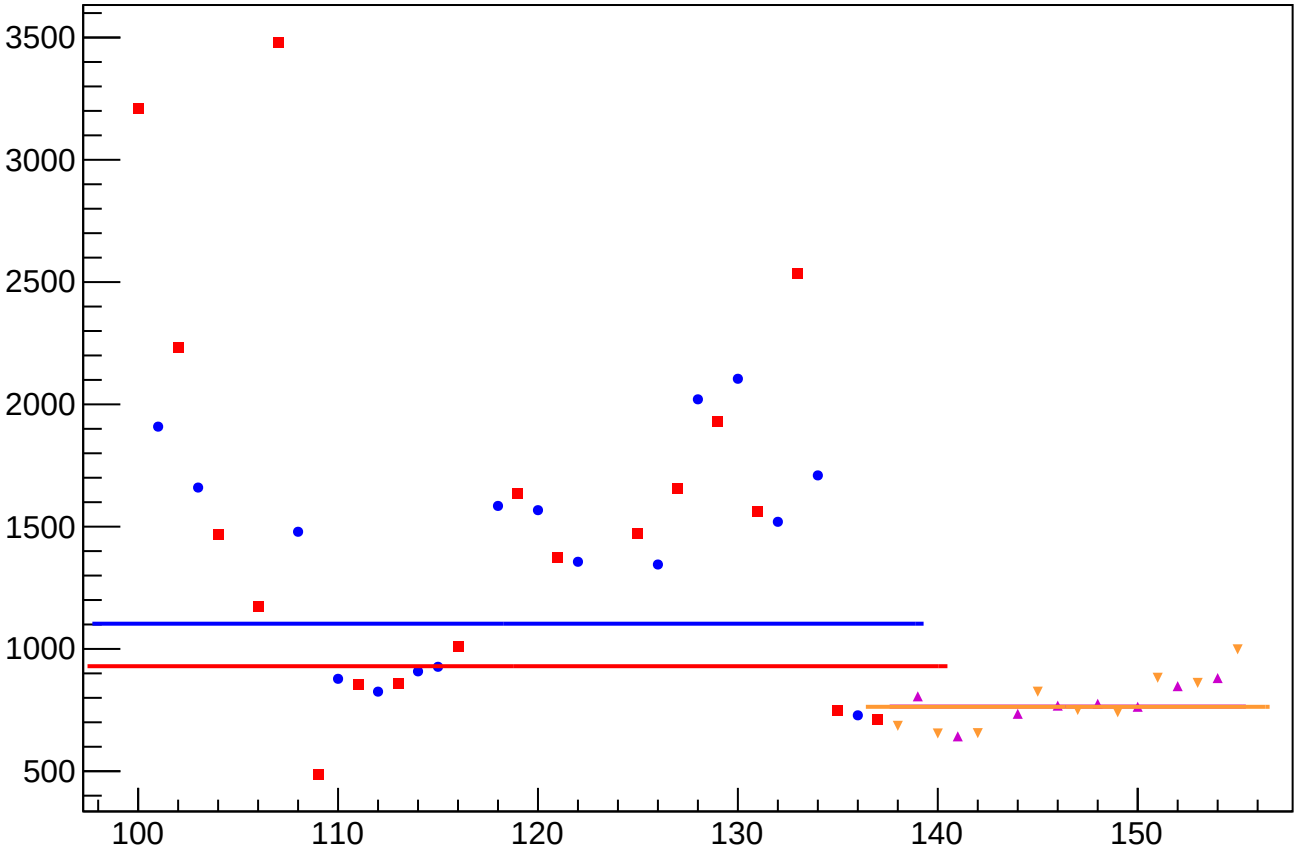
Left In: -213.736+/-290.540 χ^2/NDF:6.4/7

+ sign -816.657+/-243.255 χ^2/NDF: 58.3/24

All: -631.780+/-168.534 χ^2/NDF: 79.5/50

- sign -461.118+/-233.716 χ^2/NDF: 20.0/25

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: 763.338+/-0.206 χ^2/NDF:243467.4/8

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

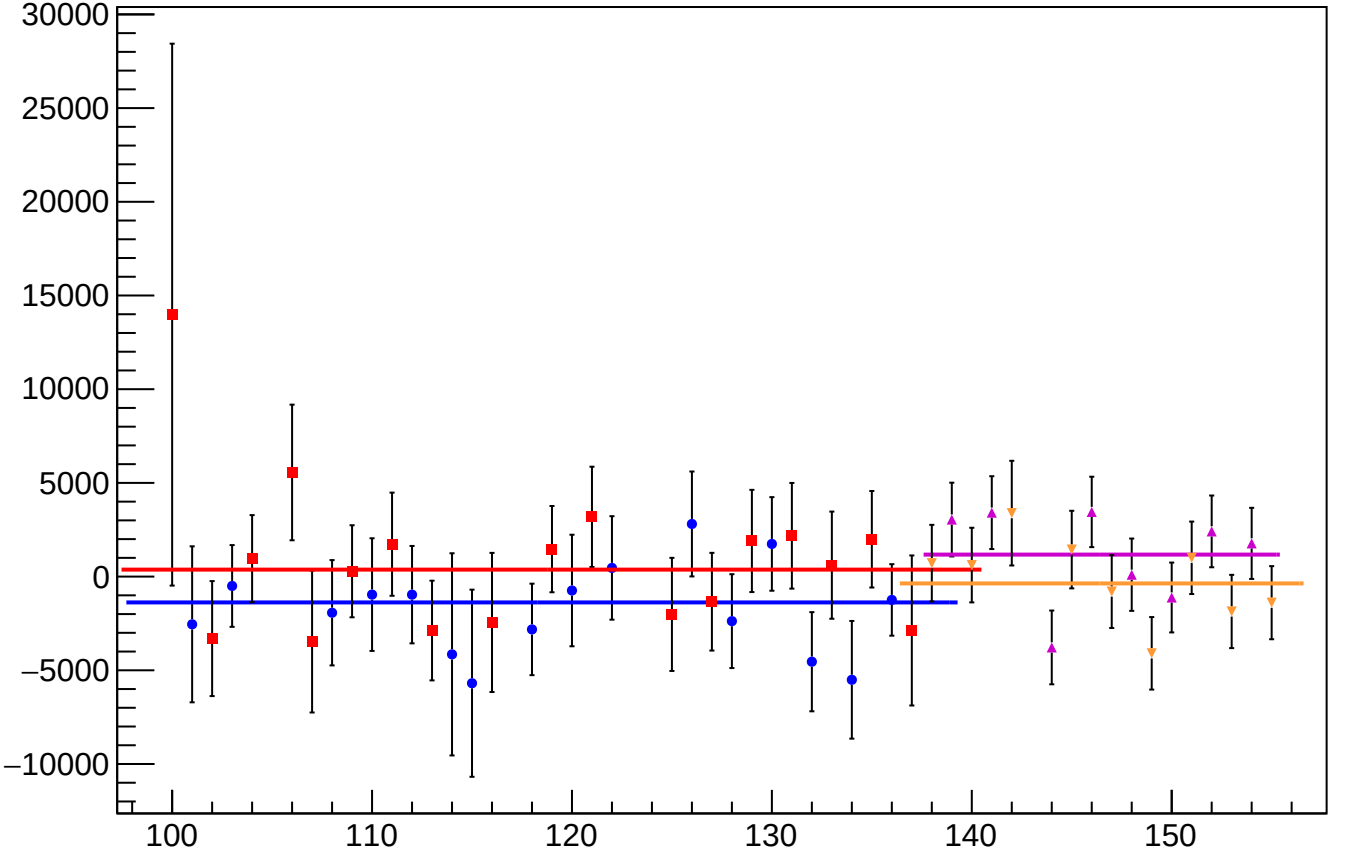
Left In: 764.308+/-0.205 χ^2/NDF:118262.2/7

+ sign 866.210+/-0.172 χ^2/NDF: 2945596.0/24

All: 843.510+/-0.119 χ^2/NDF: 6379218.7/50

- sign 822.555+/-0.165 χ^2/NDF: 3400128.7/25

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -364.482+/-677.826 χ^2/NDF:8.2/8

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

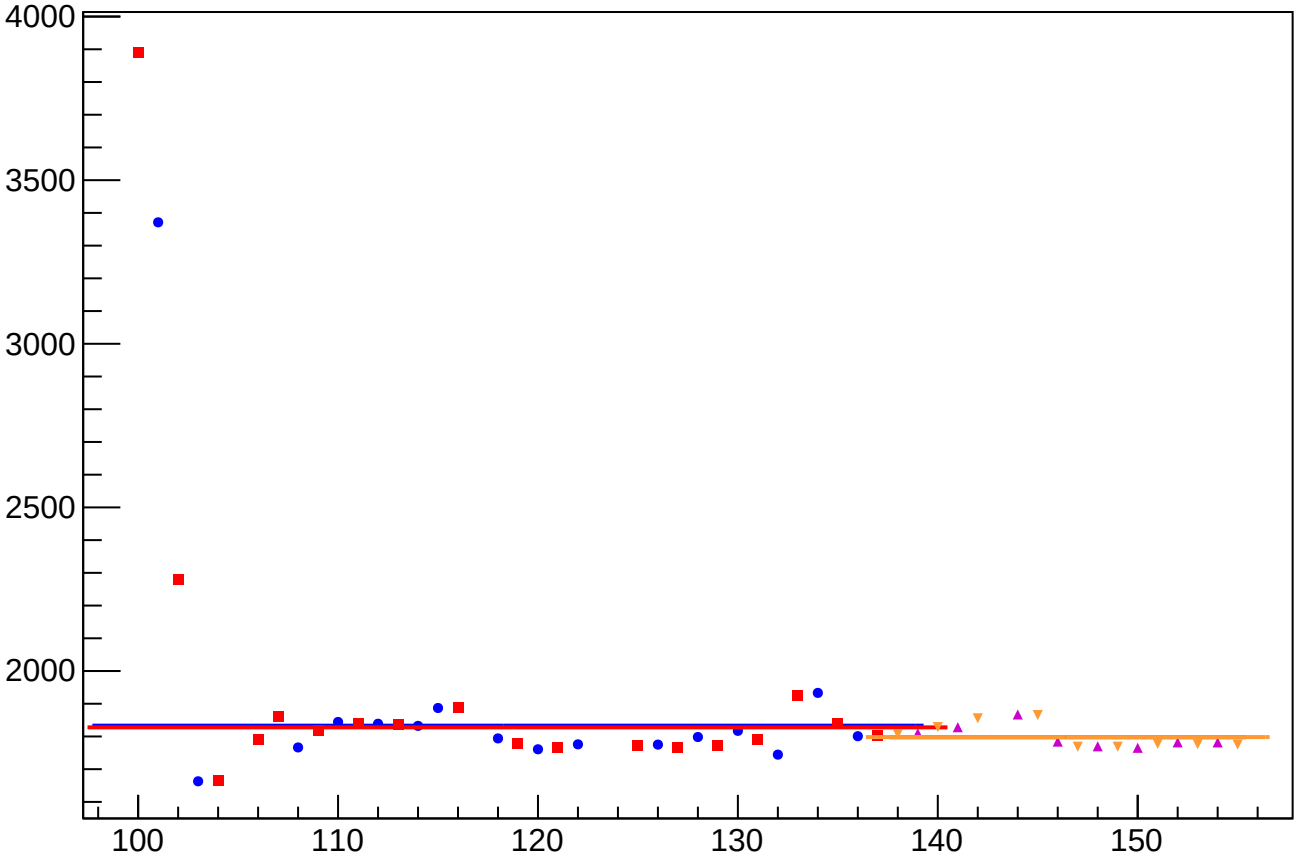
Left In: 1173.468+/-678.535 χ^2/NDF:12.4/7

+ sign -863.000+/-483.208 χ^2/NDF: 18.6/24

All: -40.983+/-341.202 χ^2/NDF: 49.4/50

- sign 776.452+/-481.860 χ^2/NDF: 25.0/25

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1798.102+/-0.479 χ^2/NDF:5140.6/8

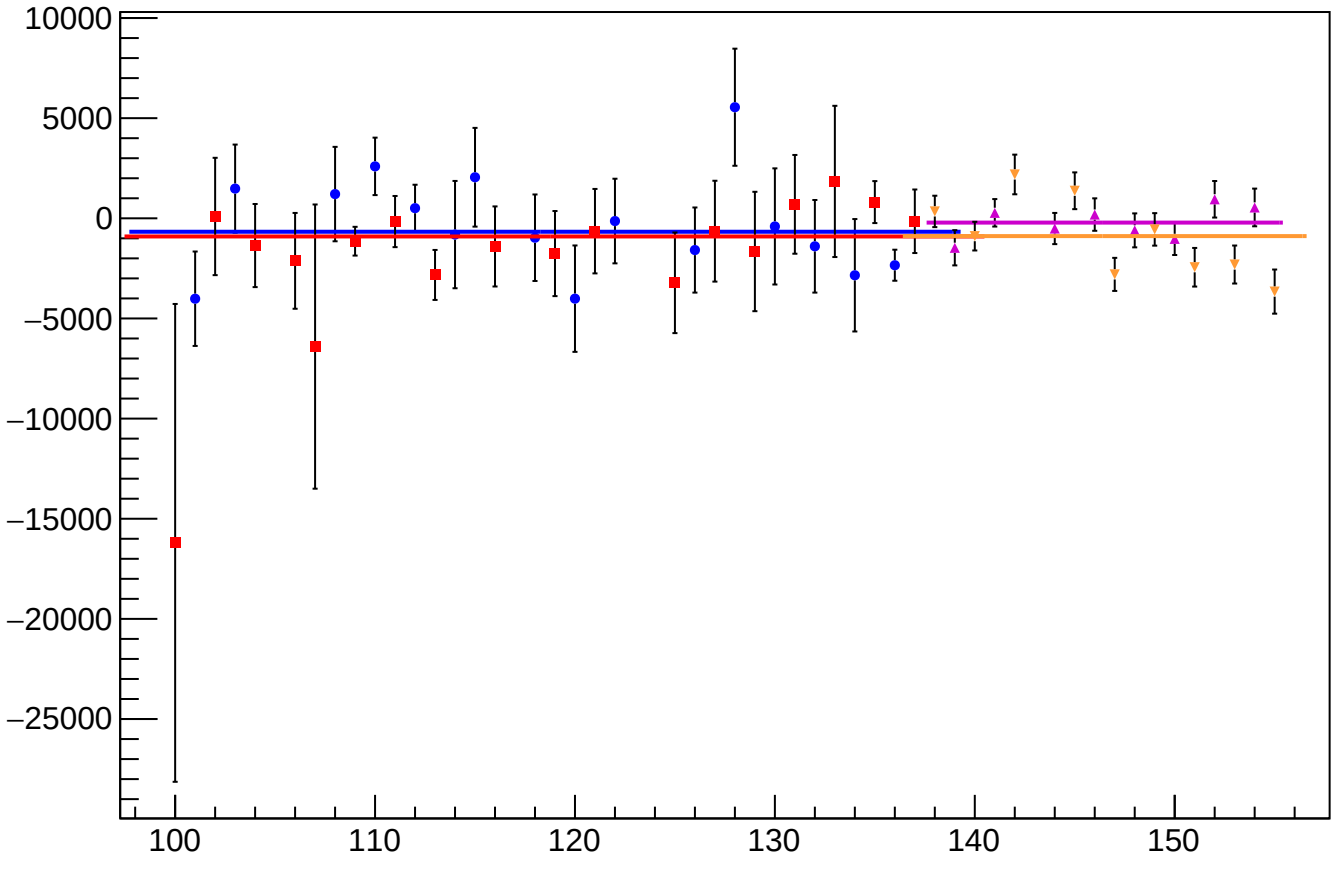
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1797.675+/-0.480 χ^2/NDF:4458.6/7

+ sign 1815.239+/-0.342 χ^2/NDF: 303181.2/24

All: 1813.916+/-0.241 χ^2/NDF: 411892.2/50

- sign 1812.600+/-0.341 χ^2/NDF: 108681.1/25



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -888.196+/-291.311 χ^2/NDF:34.9/8

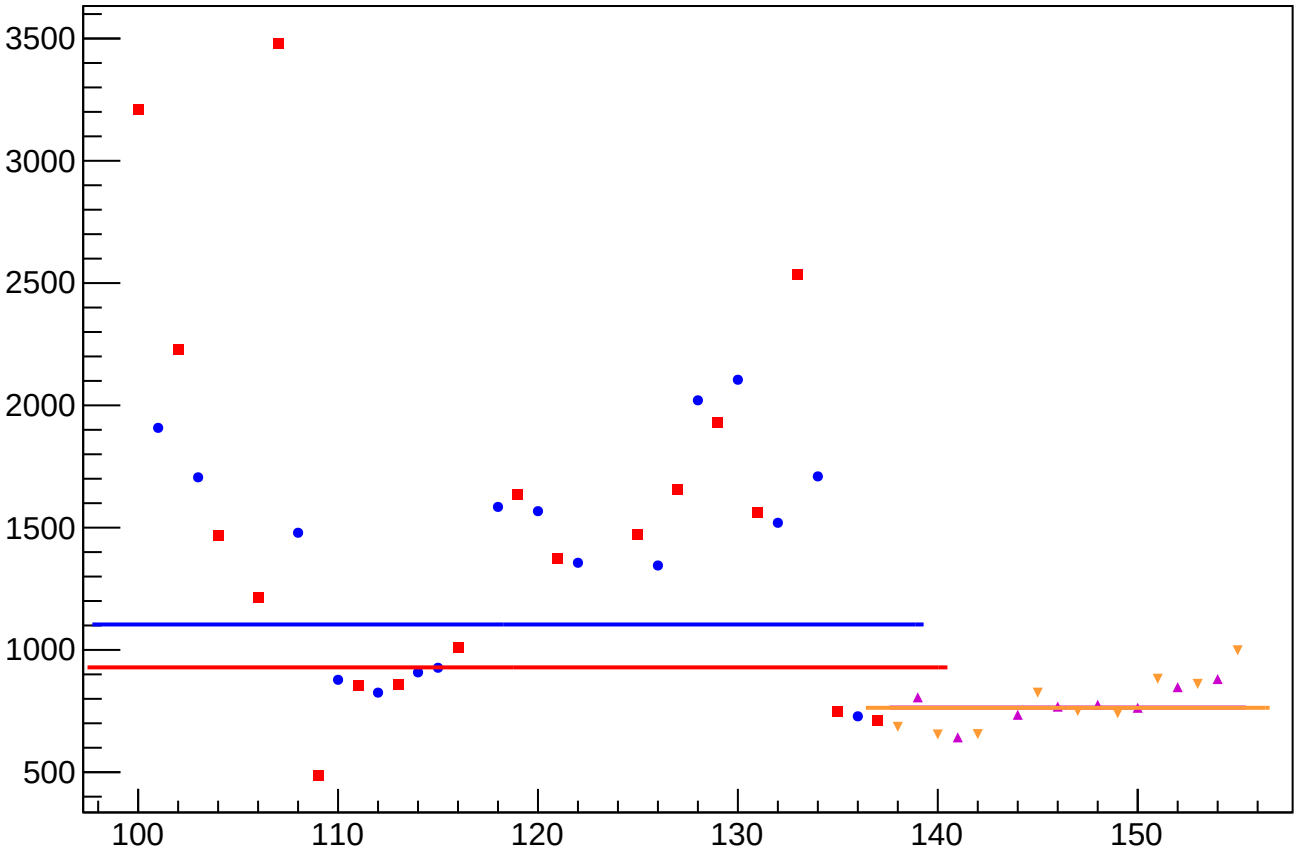
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -213.704+/-290.541 χ^2/NDF:6.4/7

+ sign -822.387+/-243.318 χ^2/NDF: 57.8/24

All: -632.497+/-168.664 χ^2/NDF: 78.0/50

- sign -456.862+/-234.008 χ^2/NDF: 18.9/25



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 763.344+/-0.206 χ^2/NDF:243442.4/8

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

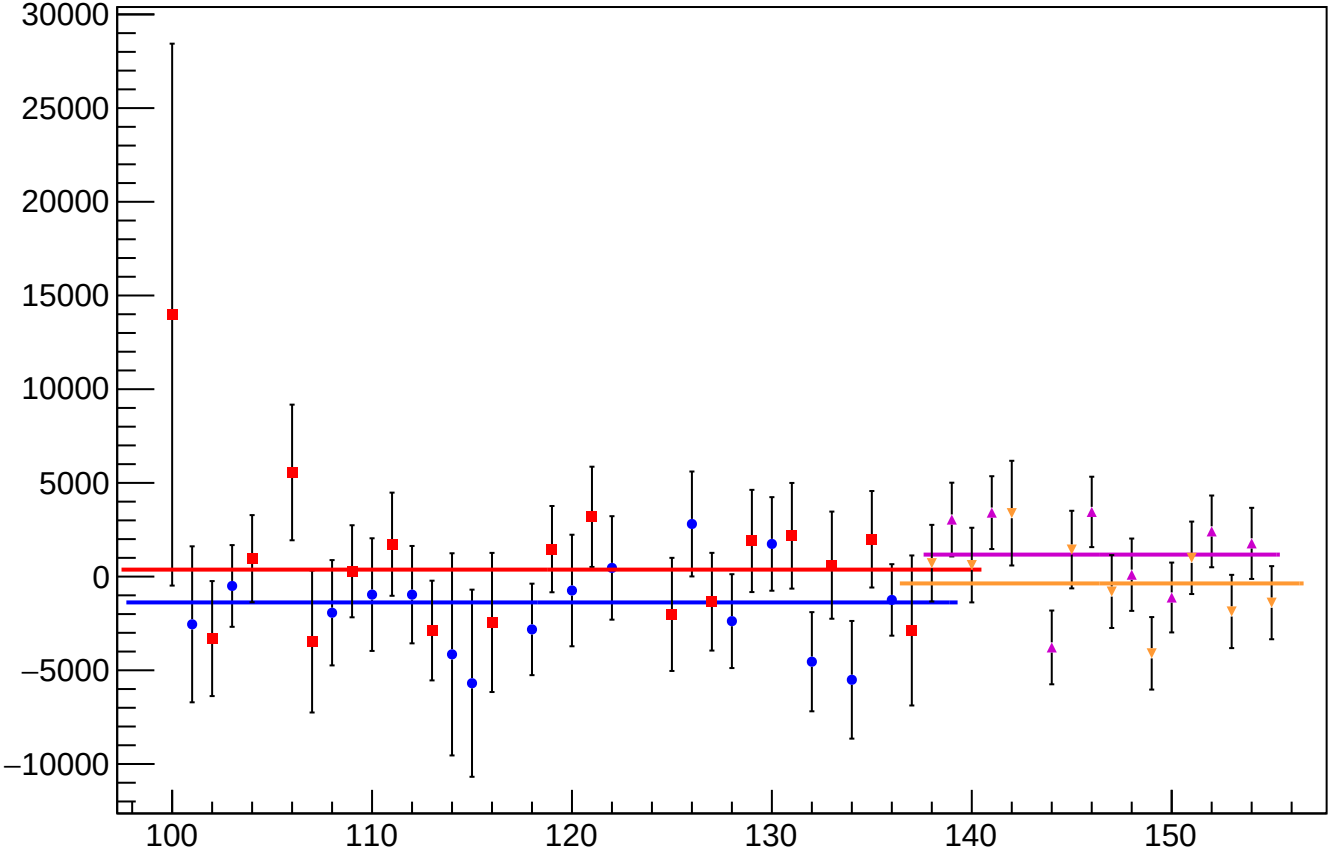
Left In: 764.310+/-0.205 χ^2/NDF:118300.3/7

+ sign 866.373+/-0.172 χ^2/NDF: 2965339.1/24

All: 843.339+/-0.119 χ^2/NDF: 6397253.0/50

- sign 822.035+/-0.165 χ^2/NDF: 3397413.7/25

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: -364.482+/-677.826 χ^2/NDF:8.2/8

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

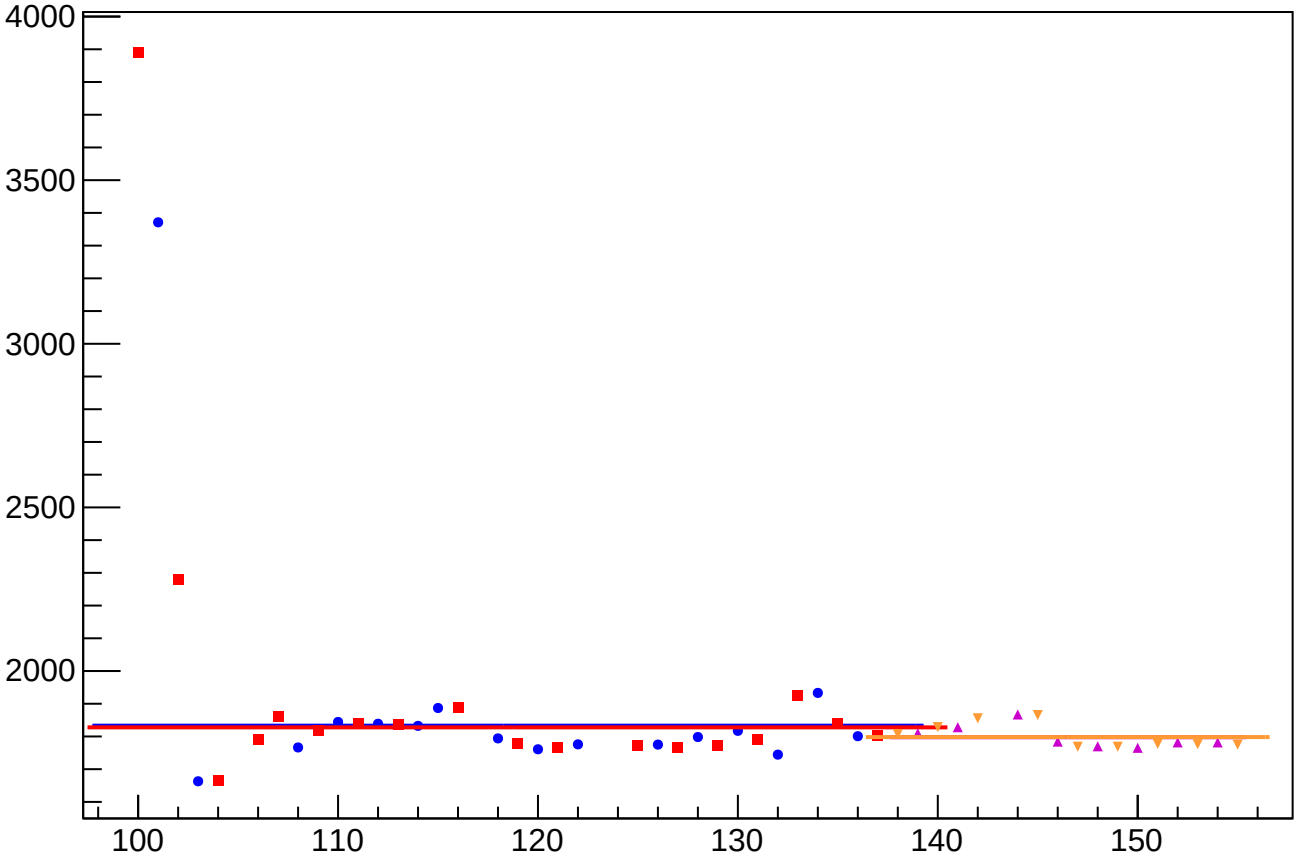
Left In: 1173.468+/-678.535 χ^2/NDF:12.4/7

+ sign -863.000+/-483.208 χ^2/NDF: 18.6/24

All: -40.983+/-341.202 χ^2/NDF: 49.4/50

- sign 776.452+/-481.860 χ^2/NDF: 25.0/25

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: 1798.102+/-0.479 χ^2/NDF:5140.6/8

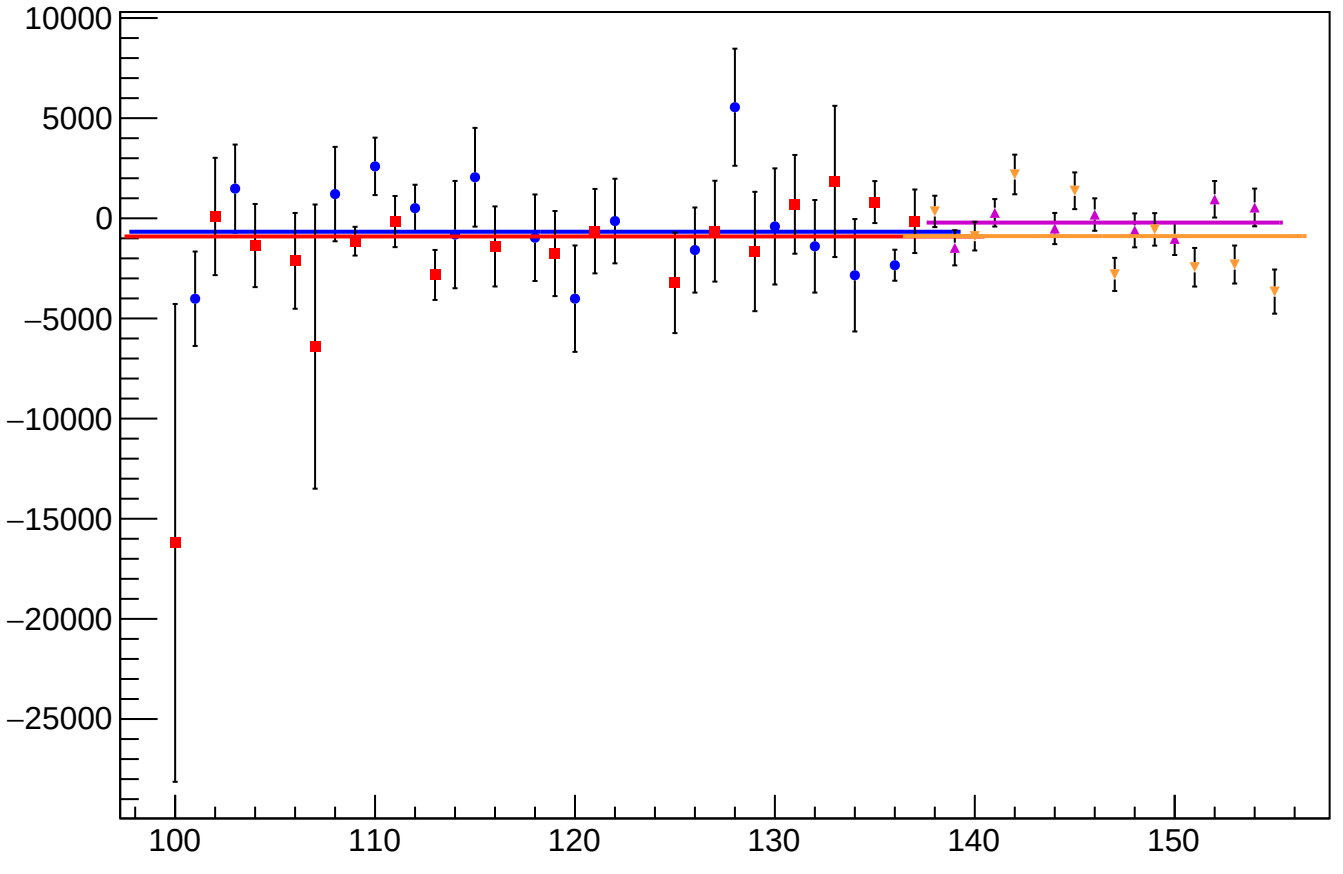
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1797.675+/-0.480 χ^2/NDF:4458.6/7

+ sign 1815.239+/-0.342 χ^2/NDF: 303181.2/24

All: 1813.916+/-0.241 χ^2/NDF: 411892.2/50

- sign 1812.600+/-0.341 χ^2/NDF: 108681.1/25



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -888.196+/-291.311 χ^2/NDF:34.9/8

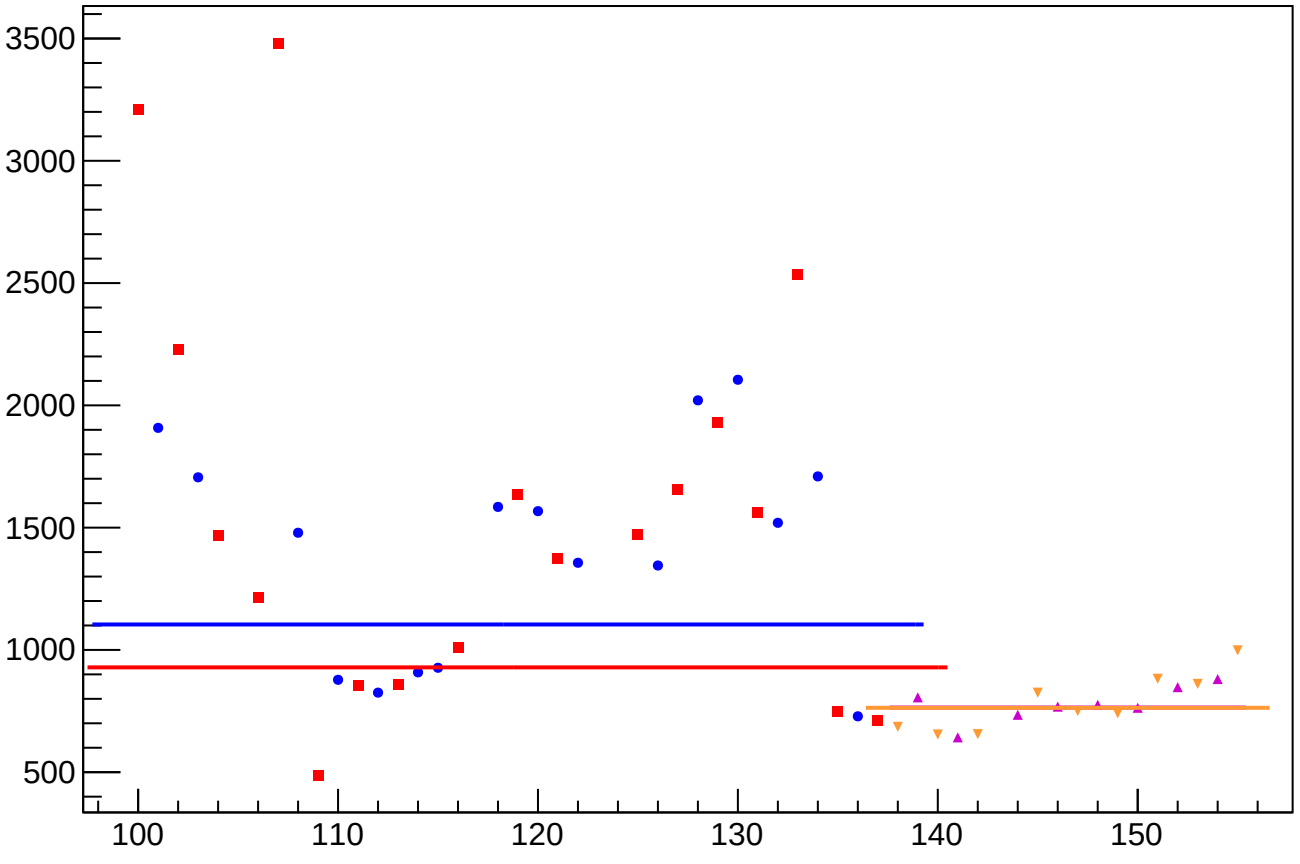
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -213.704+/-290.541 χ^2/NDF:6.4/7

+ sign -822.387+/-243.318 χ^2/NDF: 57.8/24

All: -632.497+/-168.664 χ^2/NDF: 78.0/50

- sign -456.862+/-234.008 χ^2/NDF: 18.9/25



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 763.344+/-0.206 χ^2/NDF:243442.4/8

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

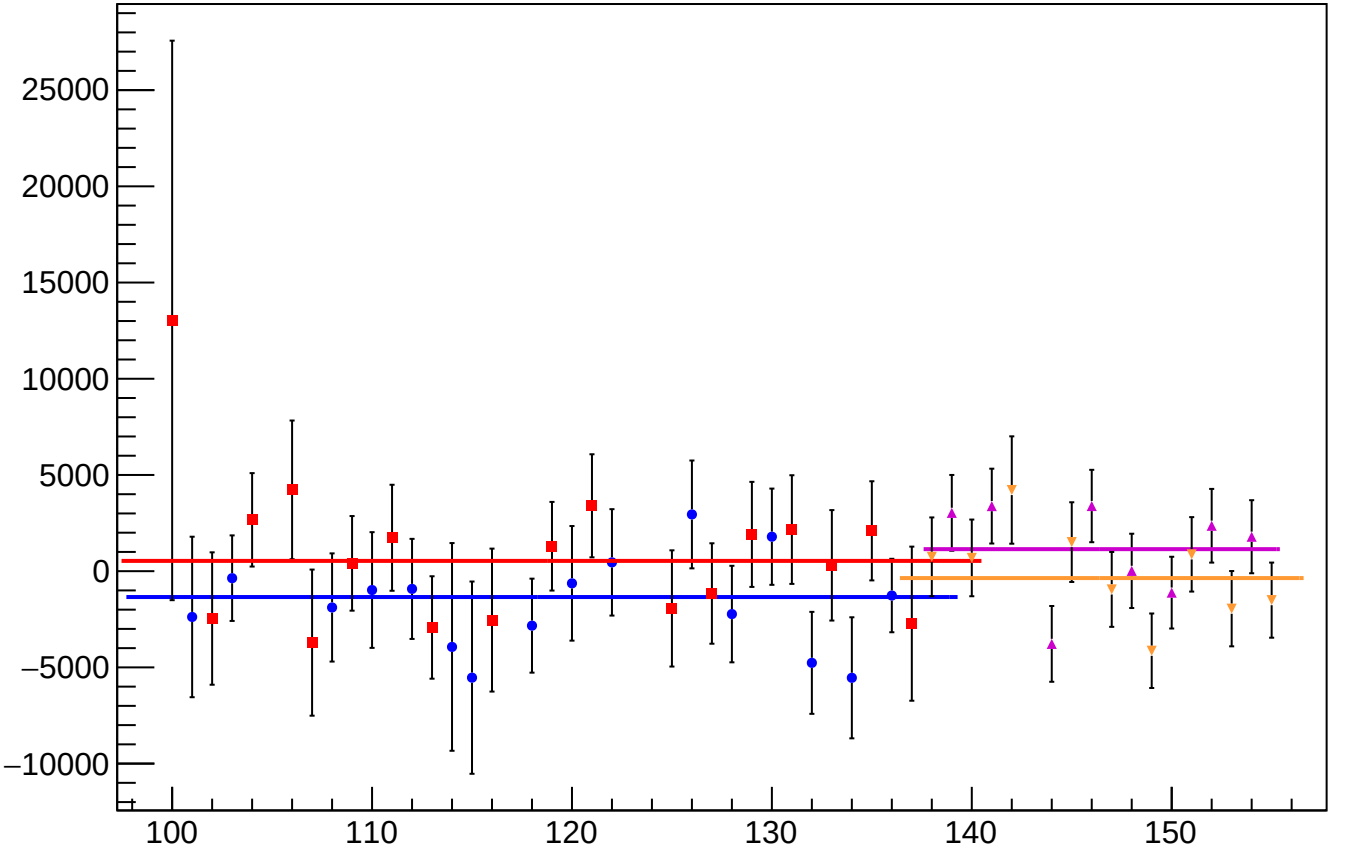
Left In: 764.310+/-0.205 χ^2/NDF:118300.3/7

+ sign 866.373+/-0.172 χ^2/NDF: 2965339.1/24

All: 843.339+/-0.119 χ^2/NDF: 6397253.0/50

- sign 822.035+/-0.165 χ^2/NDF: 3397413.7/25

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -358.611+/-678.214 χ^2/NDF:9.4/8

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

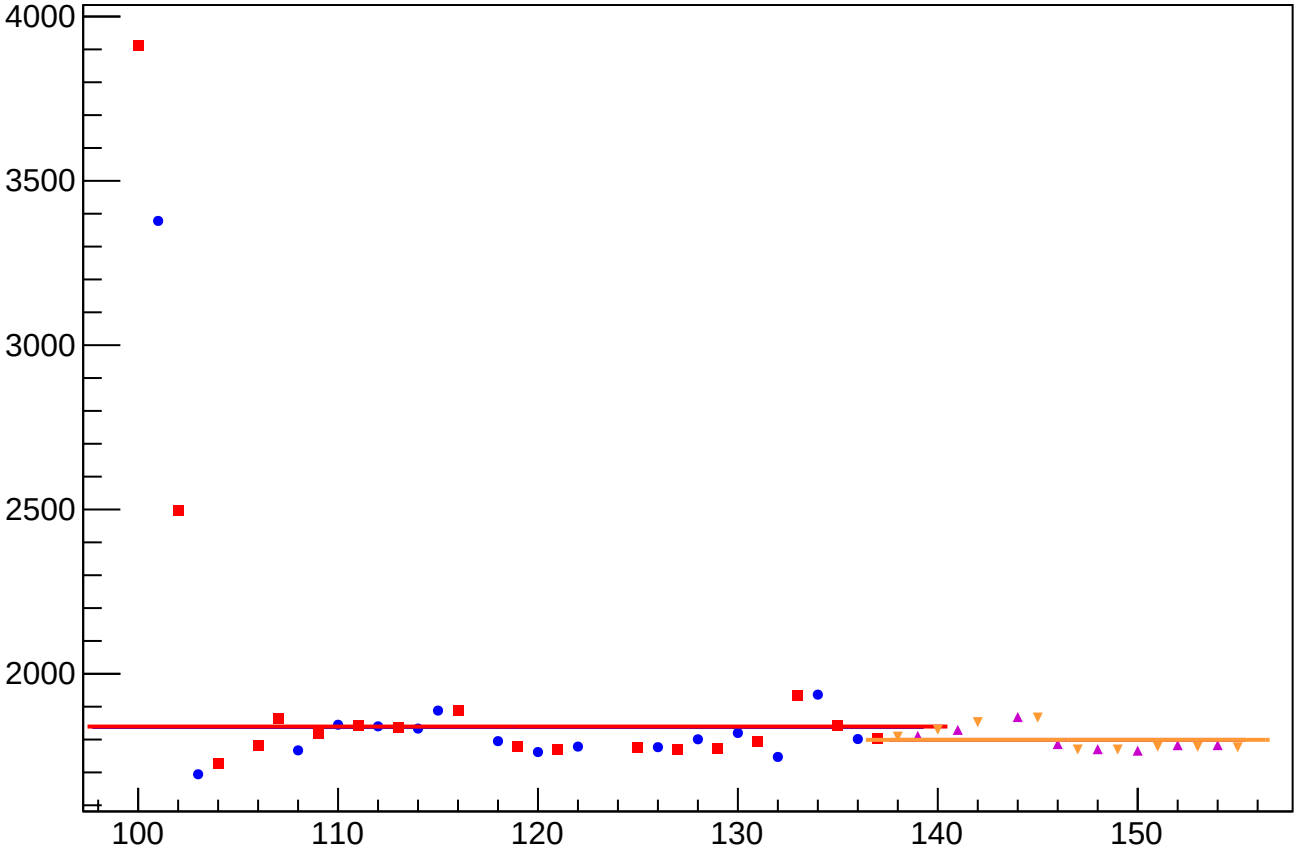
Left In: 1144.634+/-678.990 χ^2/NDF:12.2/7

+ sign -842.123+/-484.006 χ^2/NDF: 20.0/24

All: 0.805+/-342.347 χ^2/NDF: 49.9/50

- sign 844.752+/-484.299 χ^2/NDF: 23.8/25

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1799.113+/-0.480 χ^2/NDF:5062.3/8

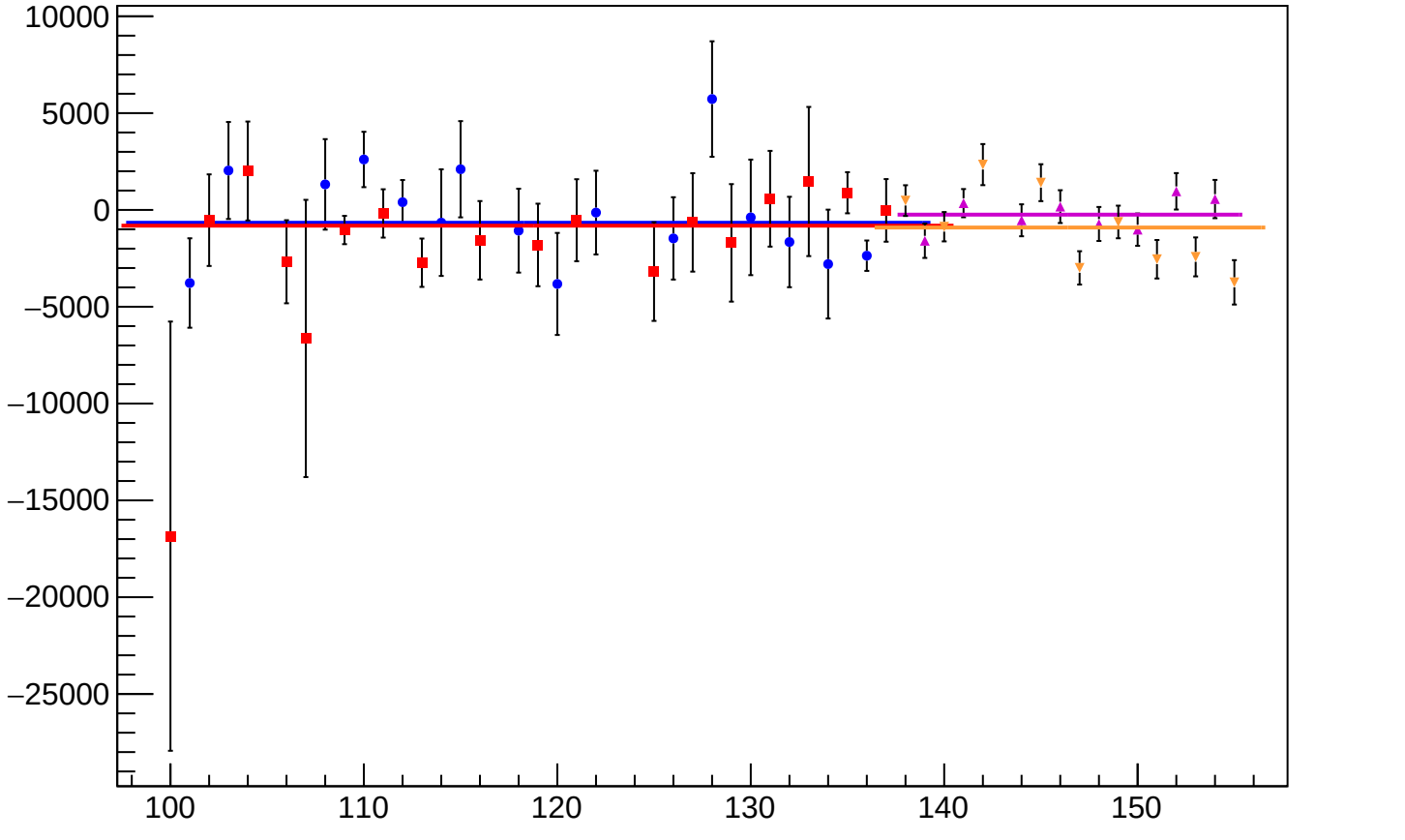
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1798.878+/-0.480 χ^2/NDF:4479.8/7

+ sign 1818.273+/-0.342 χ^2/NDF: 300299.3/24

All: 1818.558+/-0.242 χ^2/NDF: 436553.7/50

- sign 1818.842+/-0.342 χ^2/NDF: 136253.1/25



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -909.038+/-303.720 χ^2/NDF:35.4/8

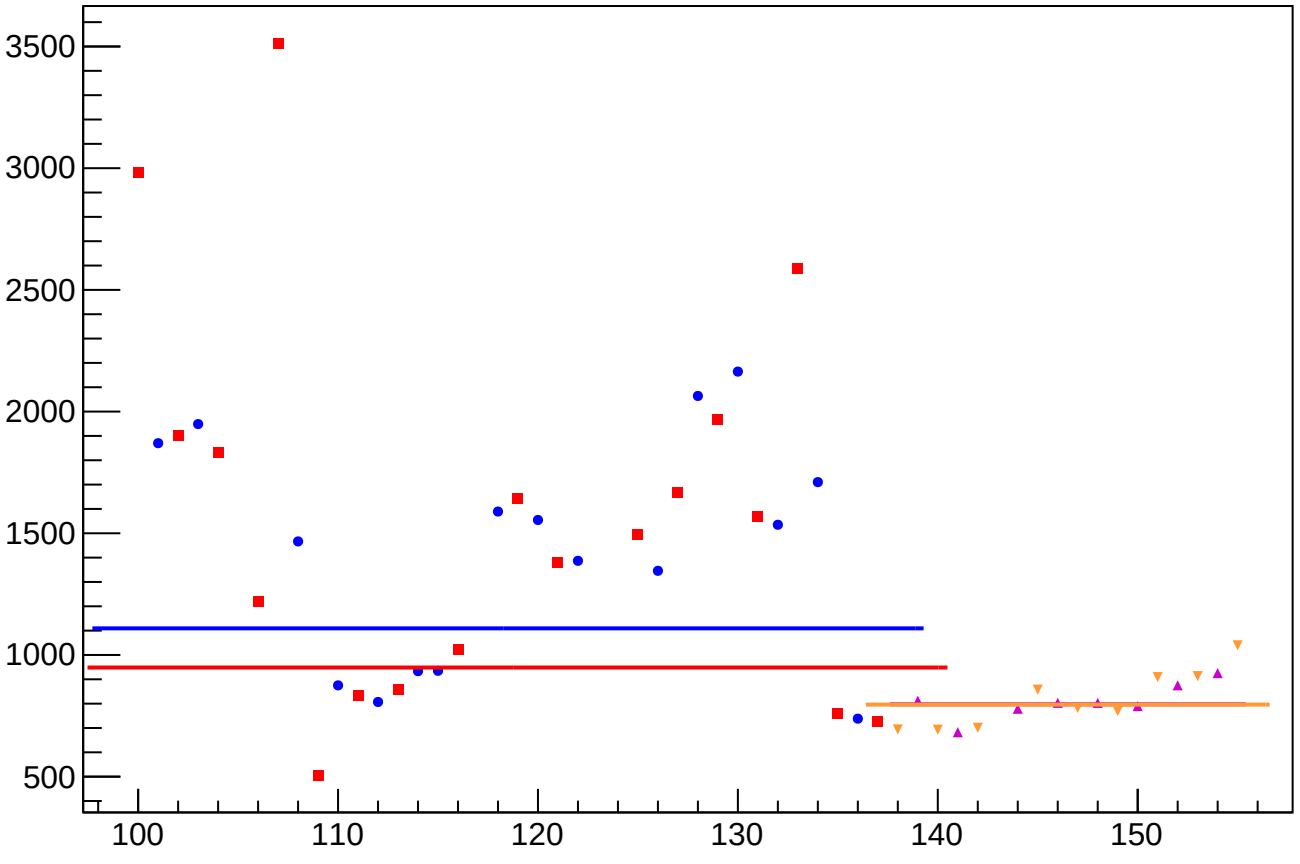
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -243.469+/-302.793 χ^2/NDF:6.8/7

\+ sign -831.220+/-251.022 χ^2/NDF: 58.4/24

All: -633.995+/-173.773 χ^2/NDF: 79.9/50

\- sign -452.506+/-240.800 χ^2/NDF: 20.3/25



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 796.126+/-0.215 χ^2/NDF:240084.5/8

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

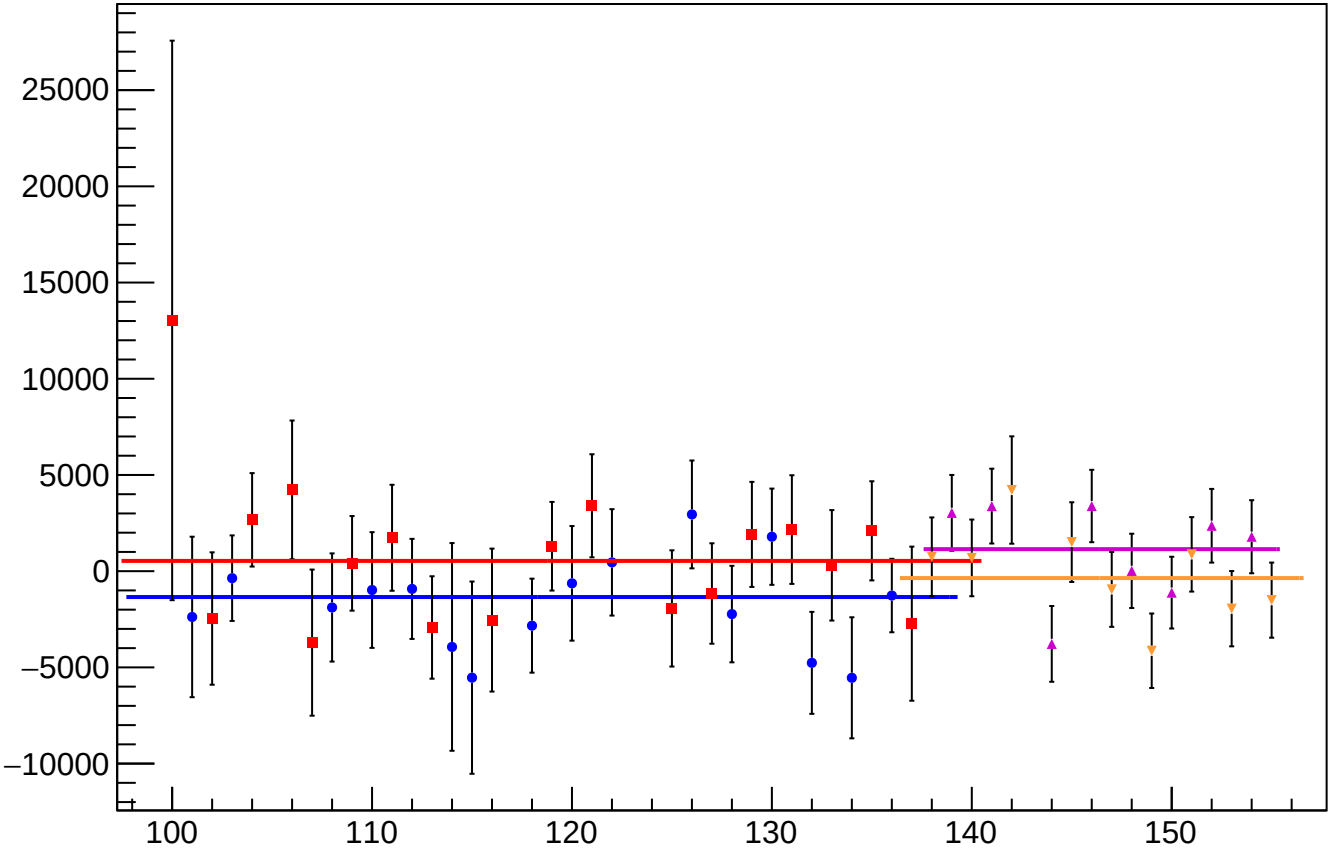
Left In: 797.357+/-0.214 χ^2/NDF:98952.8/7

+ sign 895.395+/-0.177 χ^2/NDF: 2887615.5/24

All: 873.258+/-0.123 χ^2/NDF: 6253116.6/50

- sign 852.888+/-0.170 χ^2/NDF: 3335635.8/25

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: -358.609+/-678.214 χ^2/NDF:9.4/8

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

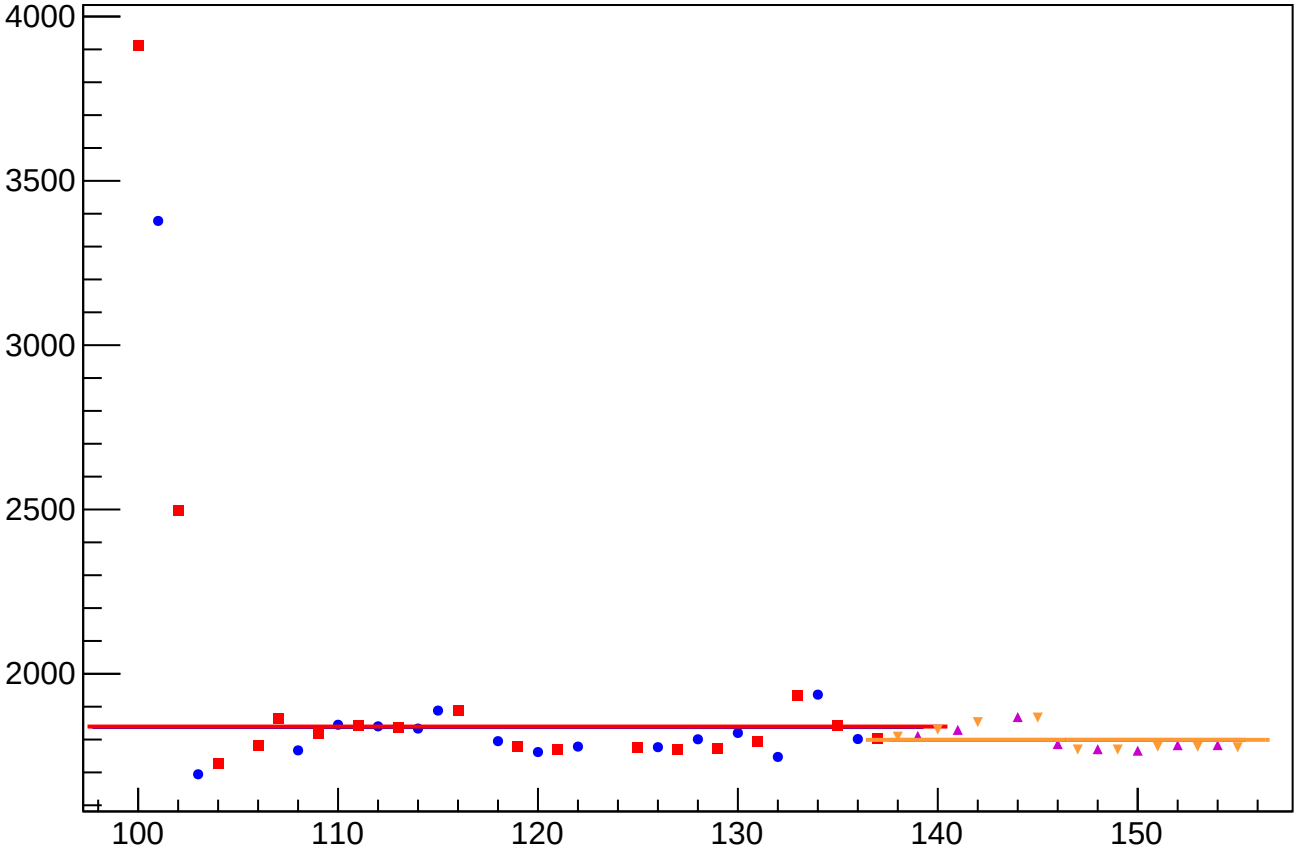
Left In: 1144.630+/-678.990 χ^2/NDF:12.2/7

+ sign -842.124+/-484.006 χ^2/NDF: 20.0/24

All: 0.805+/-342.347 χ^2/NDF: 49.9/50

- sign 844.752+/-484.299 χ^2/NDF: 23.8/25

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: 1799.113+/-0.480 χ^2/NDF:5062.3/8

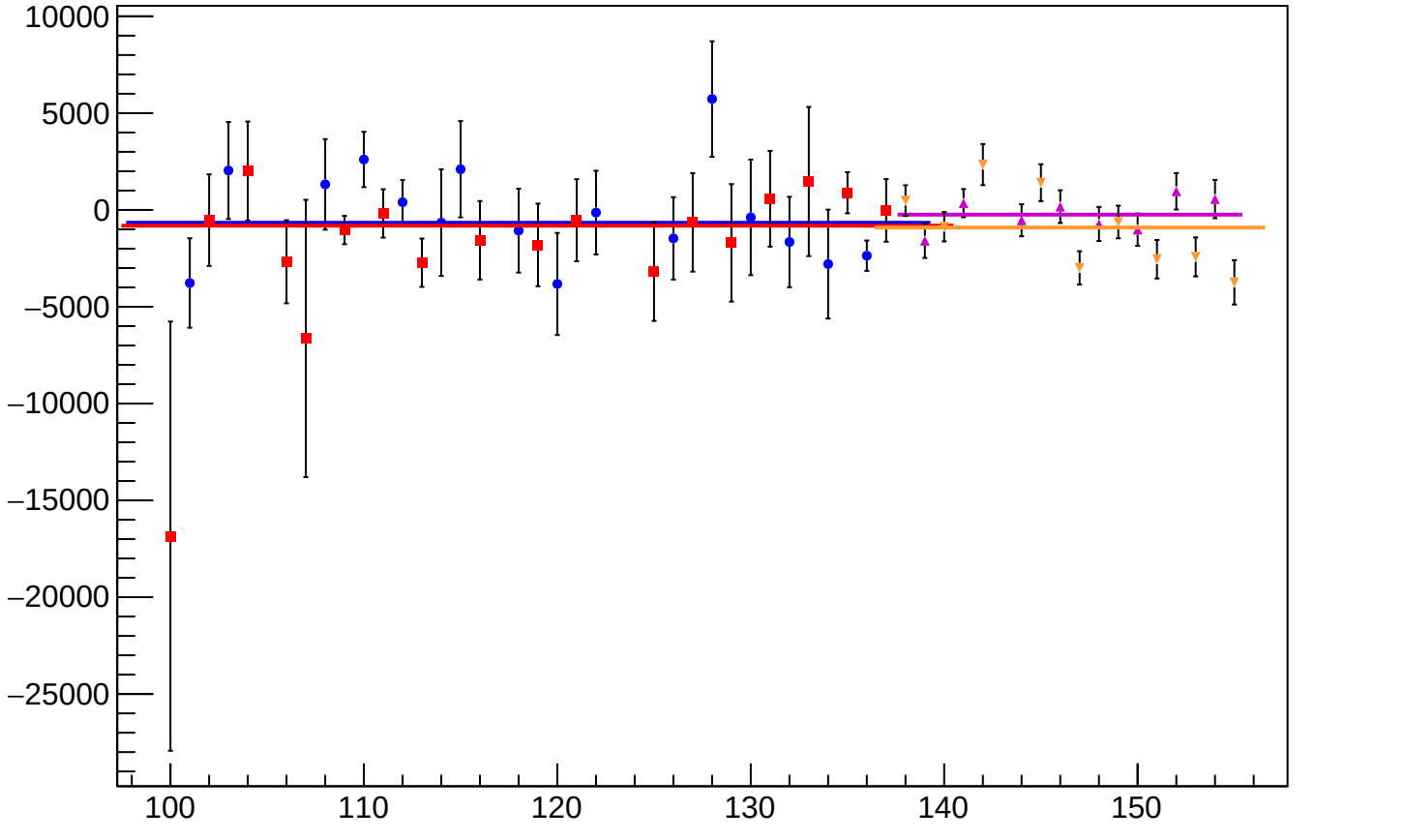
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1798.877+/-0.480 χ^2/NDF:4479.8/7

+ sign 1818.273+/-0.342 χ^2/NDF: 300299.2/24

All: 1818.558+/-0.242 χ^2/NDF: 436553.8/50

- sign 1818.842+/-0.342 χ^2/NDF: 136253.1/25



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -909.047+/-303.722 χ^2/NDF:35.4/8

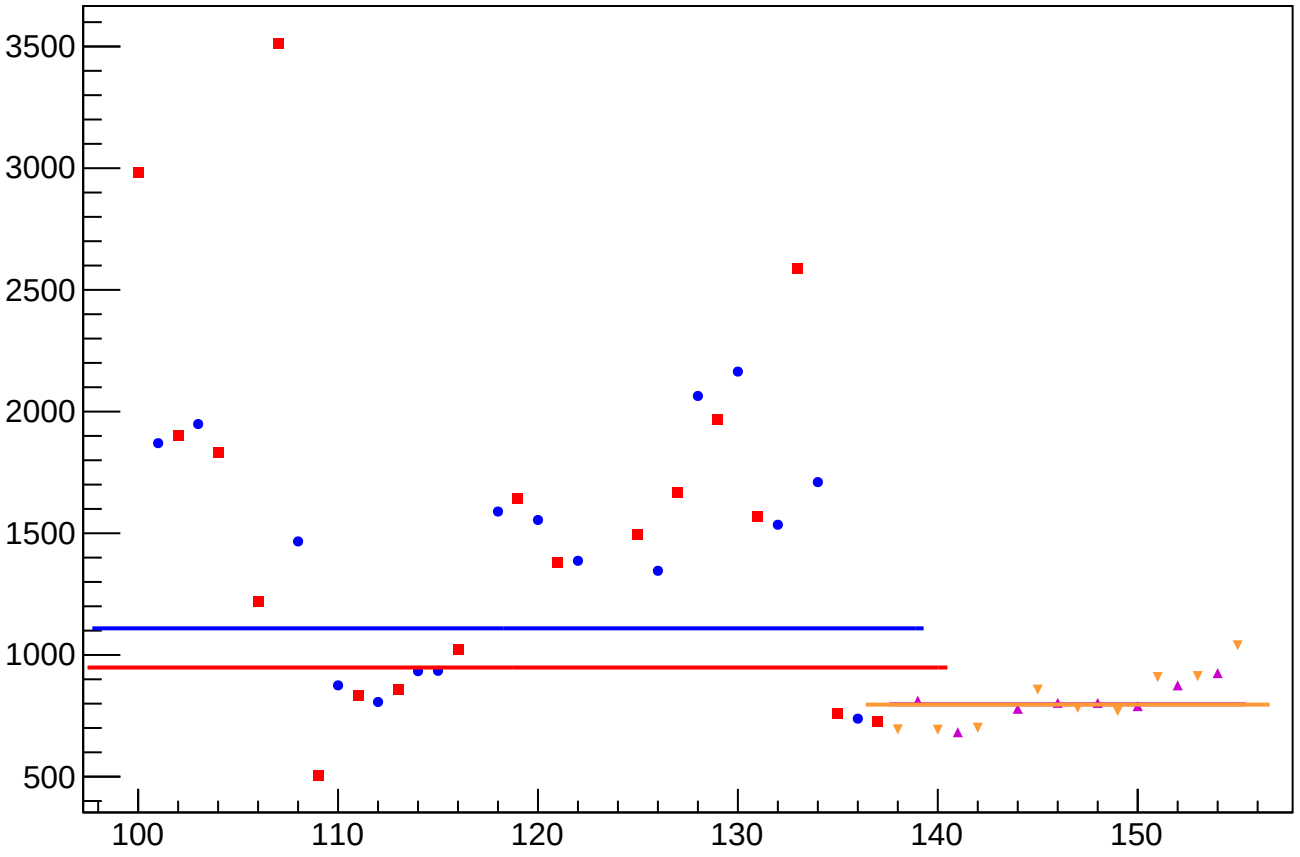
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -243.467+/-302.794 χ^2/NDF:6.8/7

\+ sign -831.222+/-251.023 χ^2/NDF: 58.4/24

All: -633.996+/-173.773 χ^2/NDF: 79.9/50

\- sign -452.506+/-240.801 χ^2/NDF: 20.3/25



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 796.129+/-0.215 χ^2/NDF:240069.0/8

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

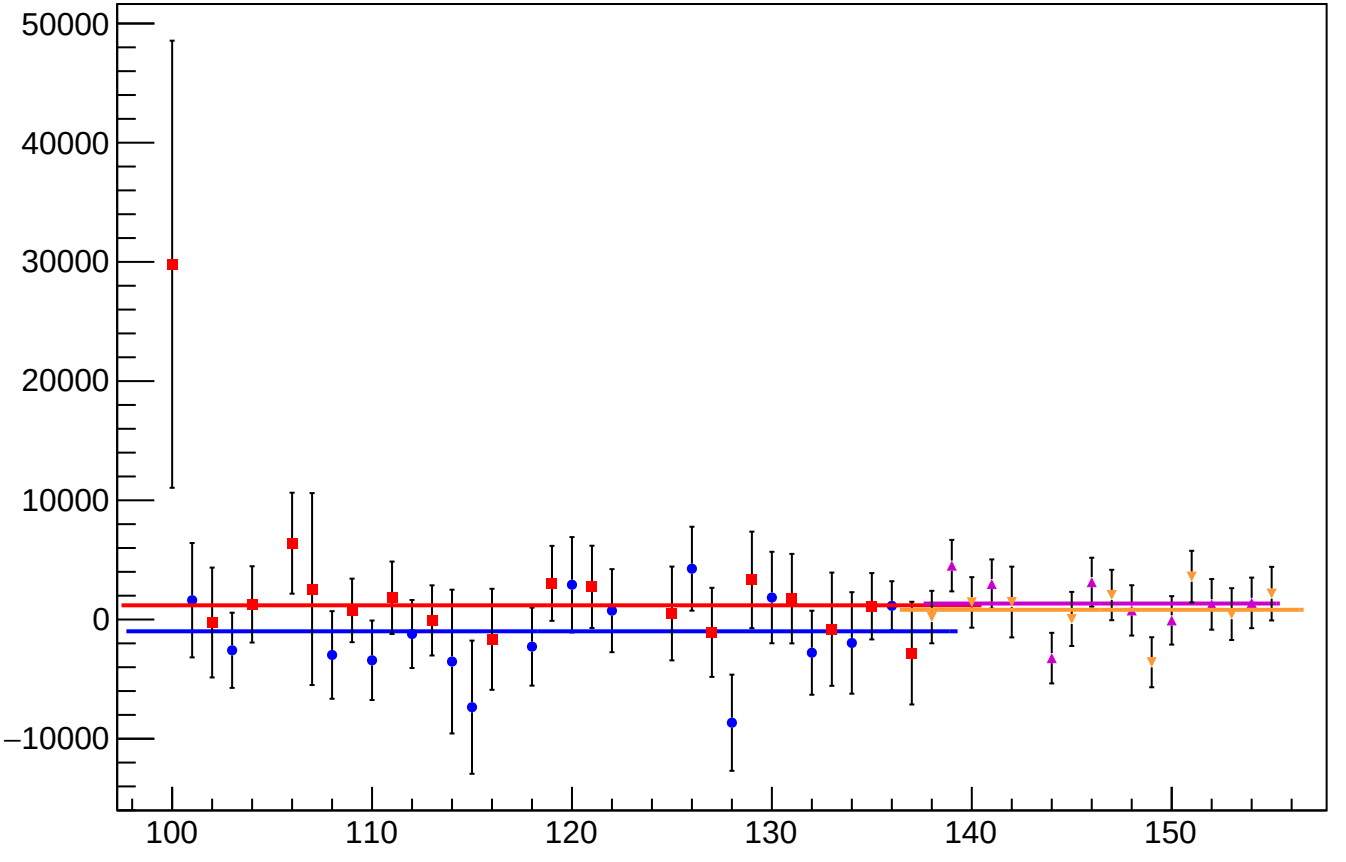
Left In: 797.358+/-0.214 χ^2/NDF:98951.5/7

+ sign 895.398+/-0.177 χ^2/NDF: 2887555.5/24

All: 873.261+/-0.123 χ^2/NDF: 6253035.1/50

- sign 852.890+/-0.170 χ^2/NDF: 3335611.4/25

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 815.513+/-743.316 χ^2/NDF:7.1/8

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

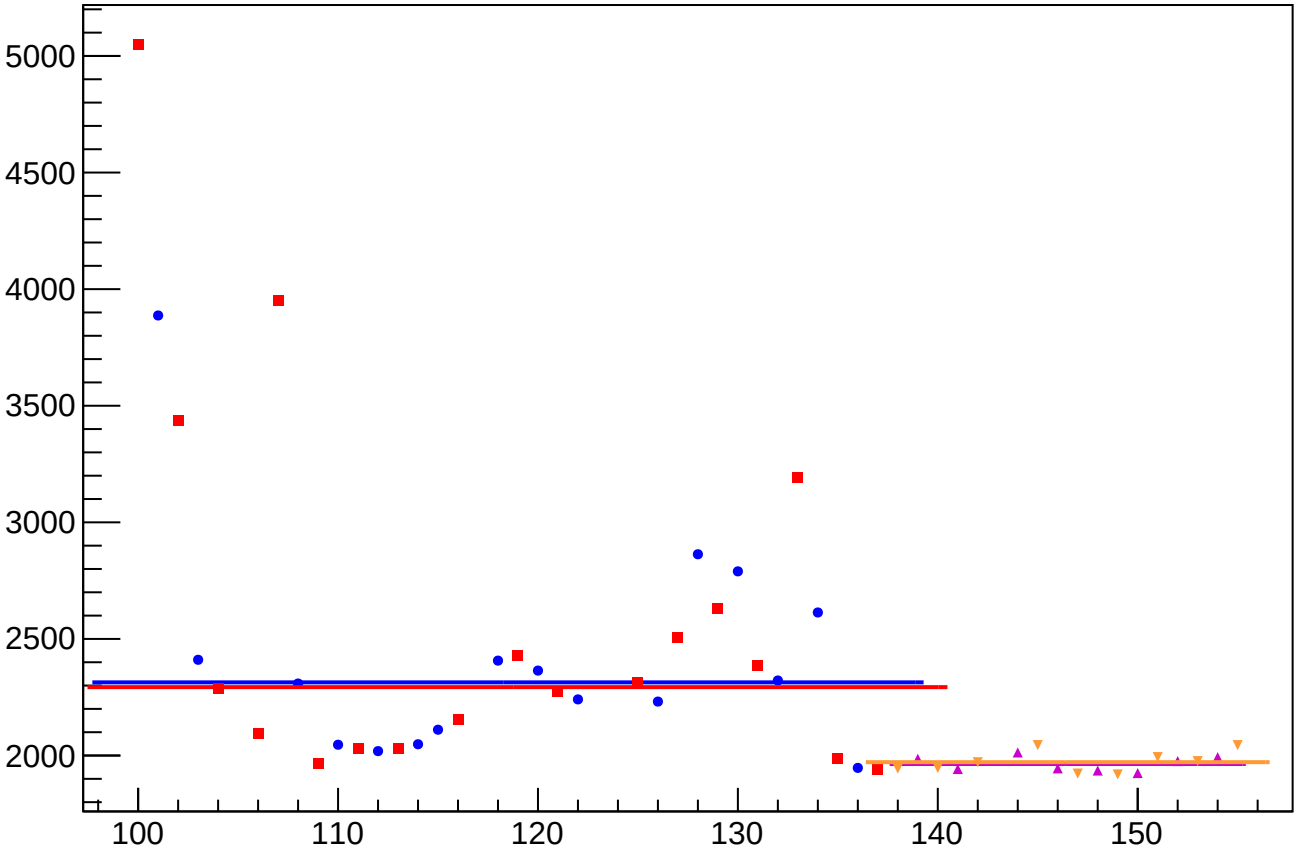
Left In: 1341.929+/-741.206 χ^2/NDF:8.8/7

+ sign 58.576+/-566.185 χ^2/NDF: 21.6/24

All: 670.786+/-399.694 χ^2/NDF: 39.7/50

- sign 1278.982+/-564.326 χ^2/NDF: 15.8/25

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1971.521+/-0.526 χ^2/NDF:7323.3/8

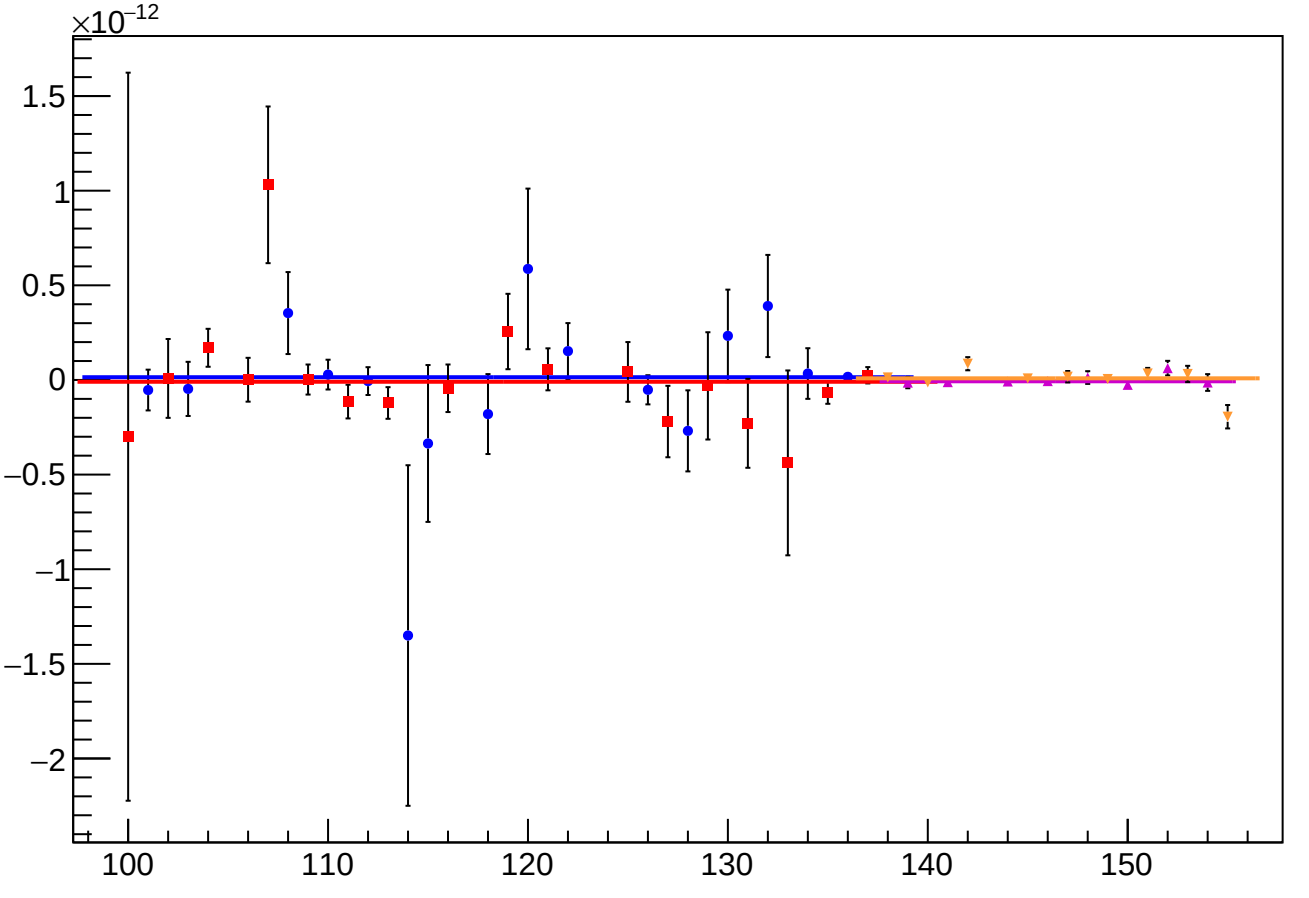
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1963.638+/-0.524 χ^2/NDF:3212.2/7

+ sign 2115.189+/-0.400 χ^2/NDF: 588050.4/24

All: 2108.670+/-0.283 χ^2/NDF: 1211263.1/50

- sign 2102.195+/-0.399 χ^2/NDF: 622684.2/25



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/8

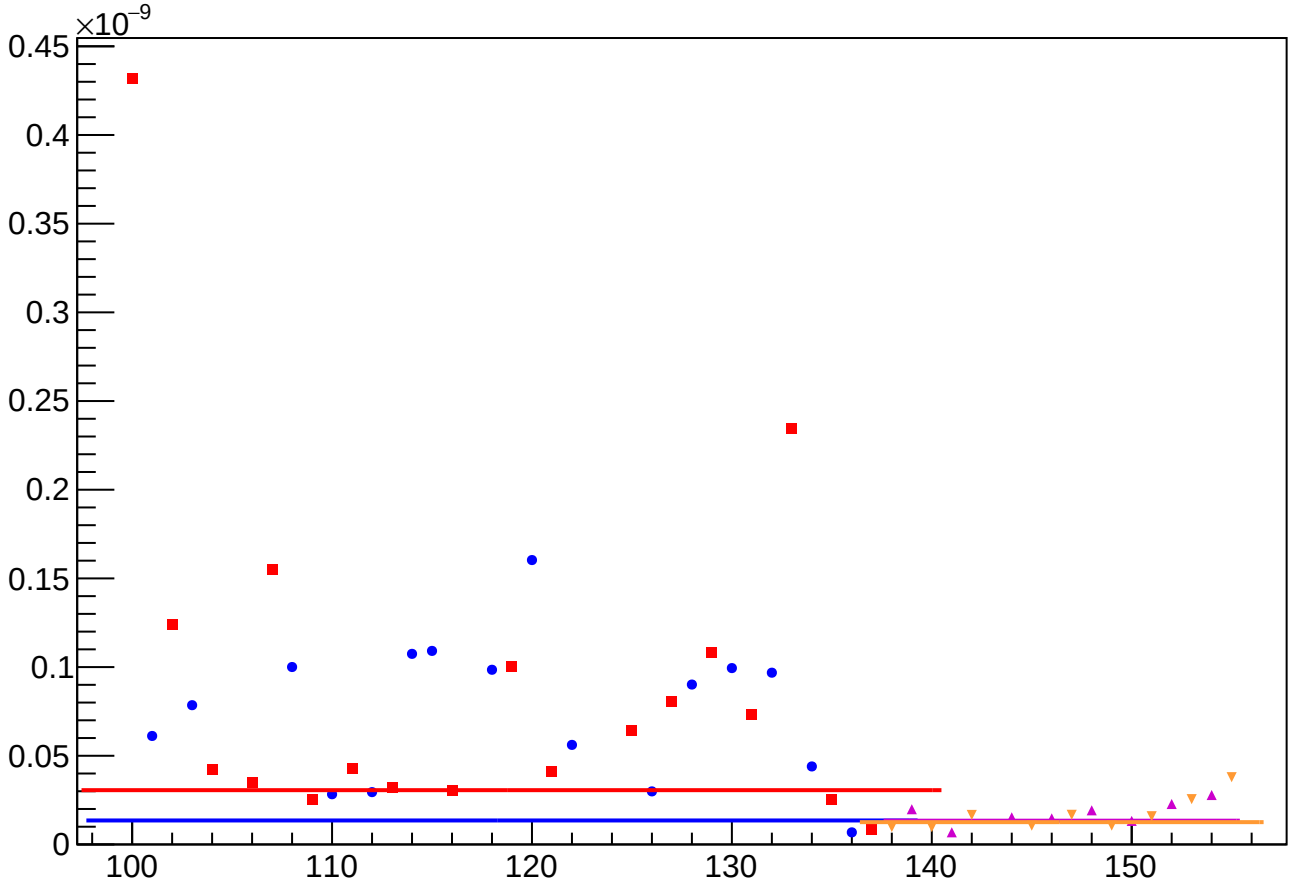
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:4.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/24

All: 0.000+/-0.000 χ^2/NDF: 59.9/50

- sign -0.000+/-0.000 χ^2/NDF: 23.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:735411.1/8

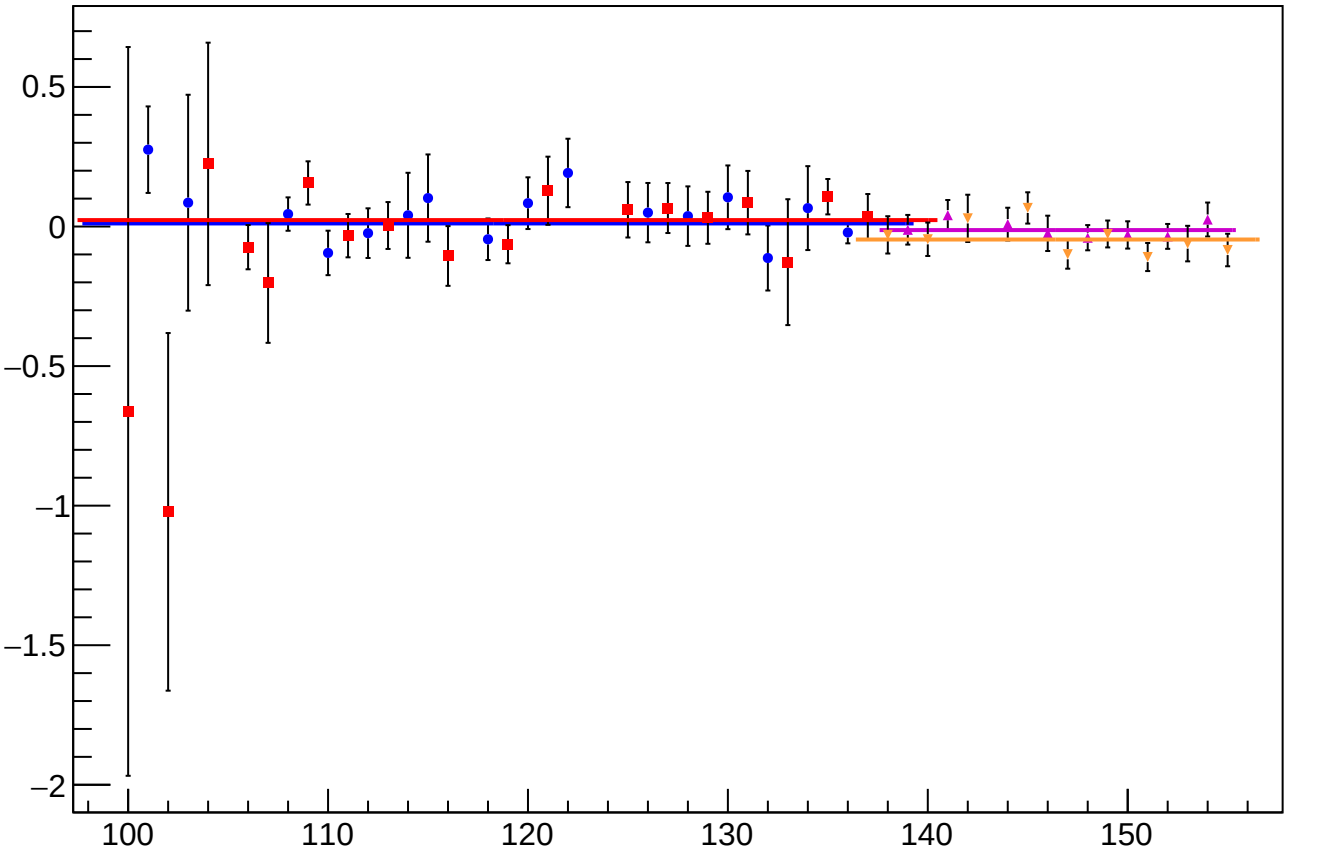
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:918775.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 4158239.2/24

All: 0.000+/-0.000 χ^2/NDF: 8438619.8/50

- sign 0.000+/-0.000 χ^2/NDF: 4169726.7/25



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.019 χ^2/NDF:8.2/8

Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

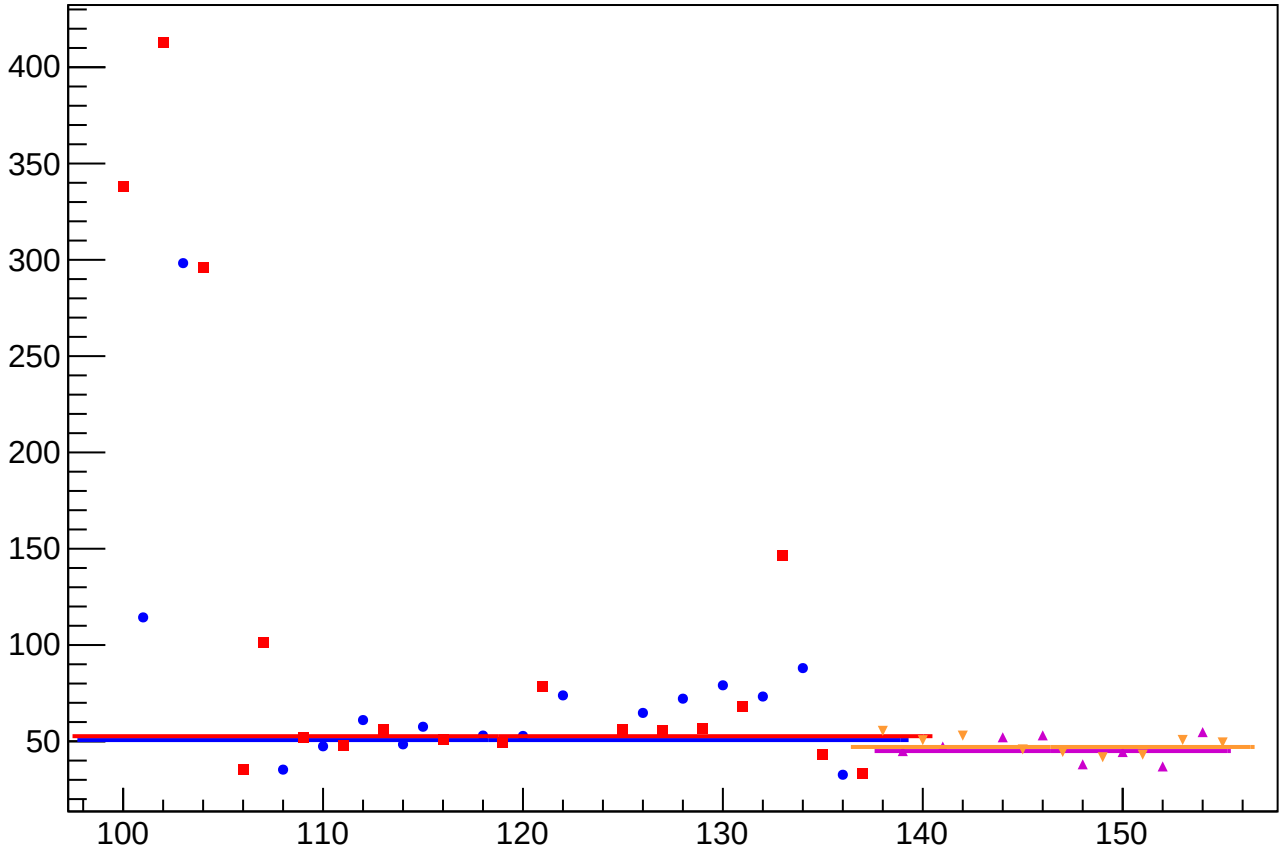
Left In: -0.013+/-0.019 χ^2/NDF:2.3/7

+ sign -0.021+/-0.014 χ^2/NDF: 23.8/24

All: -0.010+/-0.010 χ^2/NDF: 44.7/50

- sign 0.001+/-0.014 χ^2/NDF: 19.7/25

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.069+/-0.014 χ^2/NDF:101072.3/8

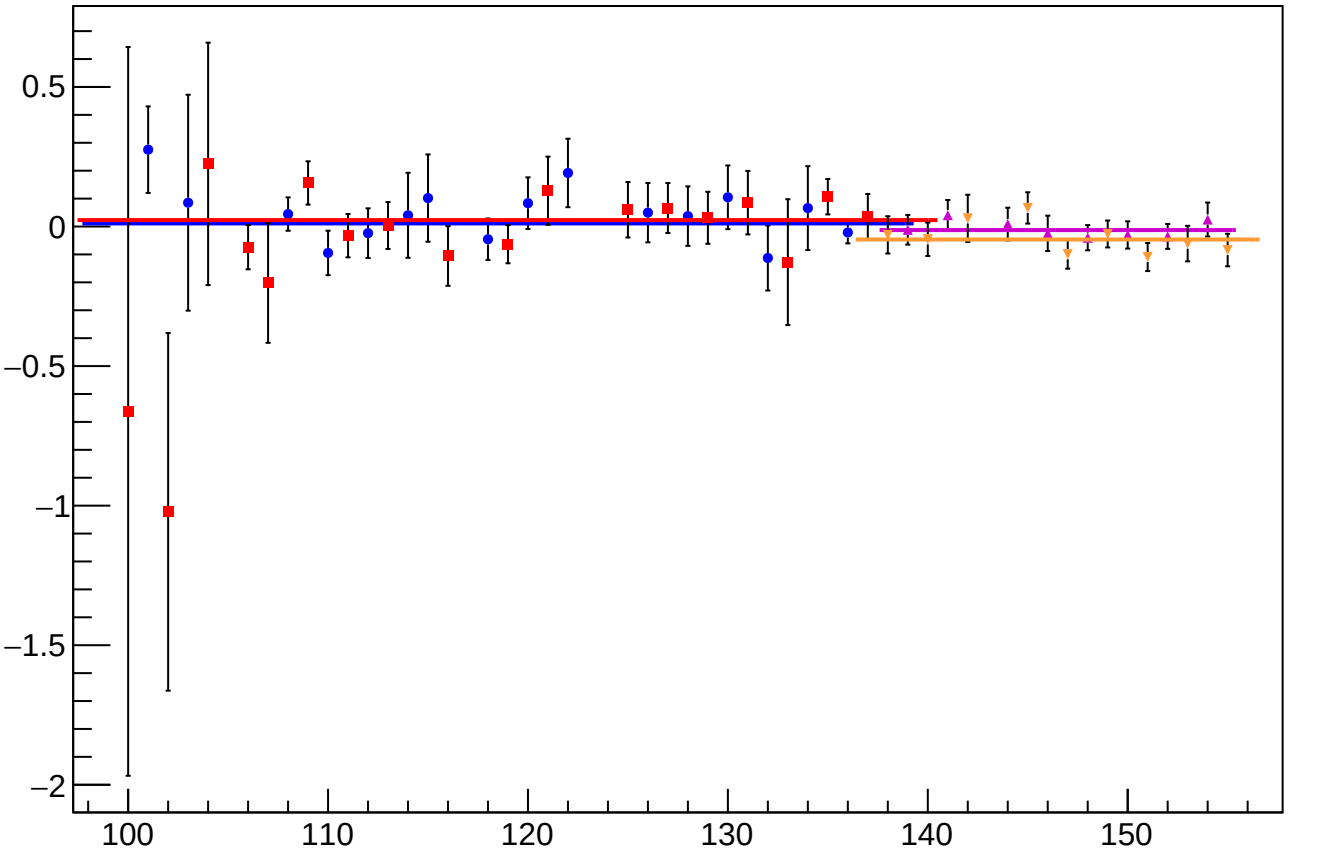
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 44.941+/-0.013 χ^2/NDF:229628.6/7

\+ sign 48.629+/-0.010 χ^2/NDF: 2397658.9/24

All: 48.296+/-0.007 χ^2/NDF: 4977409.8/50

\- sign 47.962+/-0.010 χ^2/NDF: 2577620.1/25



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.019 χ^2/NDF:8.2/8

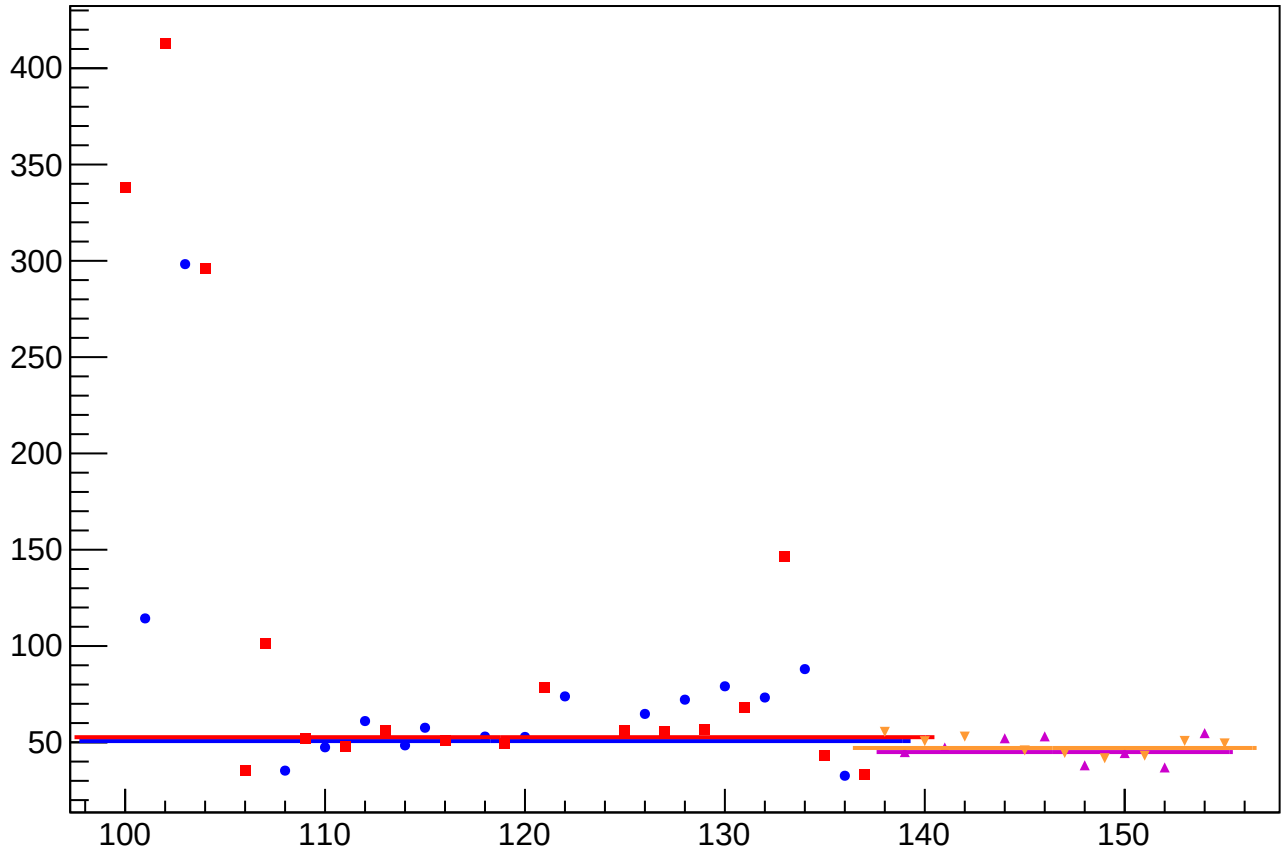
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.013+/-0.019 χ^2/NDF:2.3/7

+ sign -0.021+/-0.014 χ^2/NDF: 23.8/24

All: -0.010+/-0.010 χ^2/NDF: 44.7/50

- sign 0.001+/-0.014 χ^2/NDF: 19.7/25



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.069+/-0.014 χ^2/NDF:101072.3/8

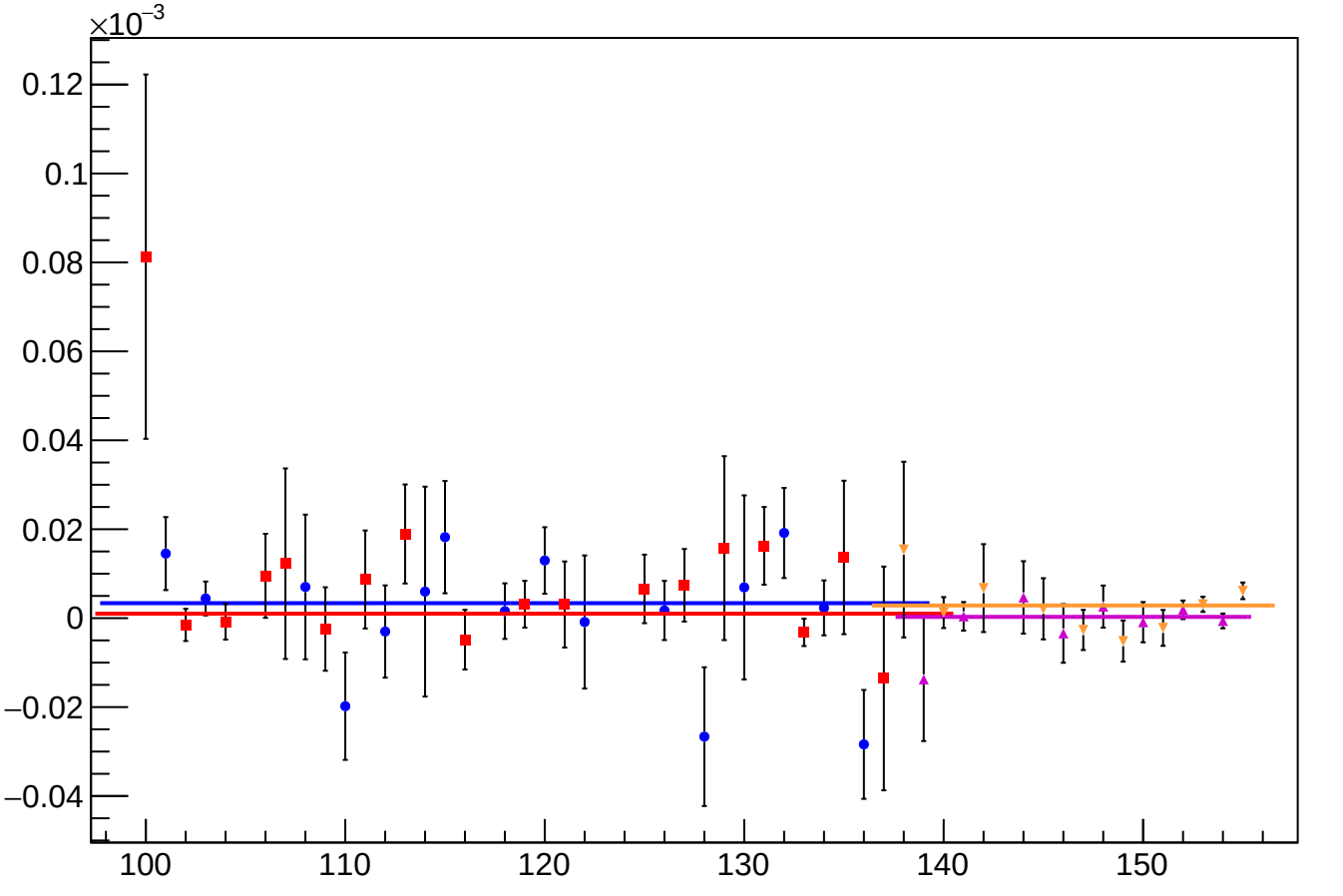
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 44.941+/-0.013 χ^2/NDF:229628.6/7

+ sign 48.629+/-0.010 χ^2/NDF: 2397658.9/24

All: 48.296+/-0.007 χ^2/NDF: 4977409.8/50

- sign 47.962+/-0.010 χ^2/NDF: 2577620.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/8

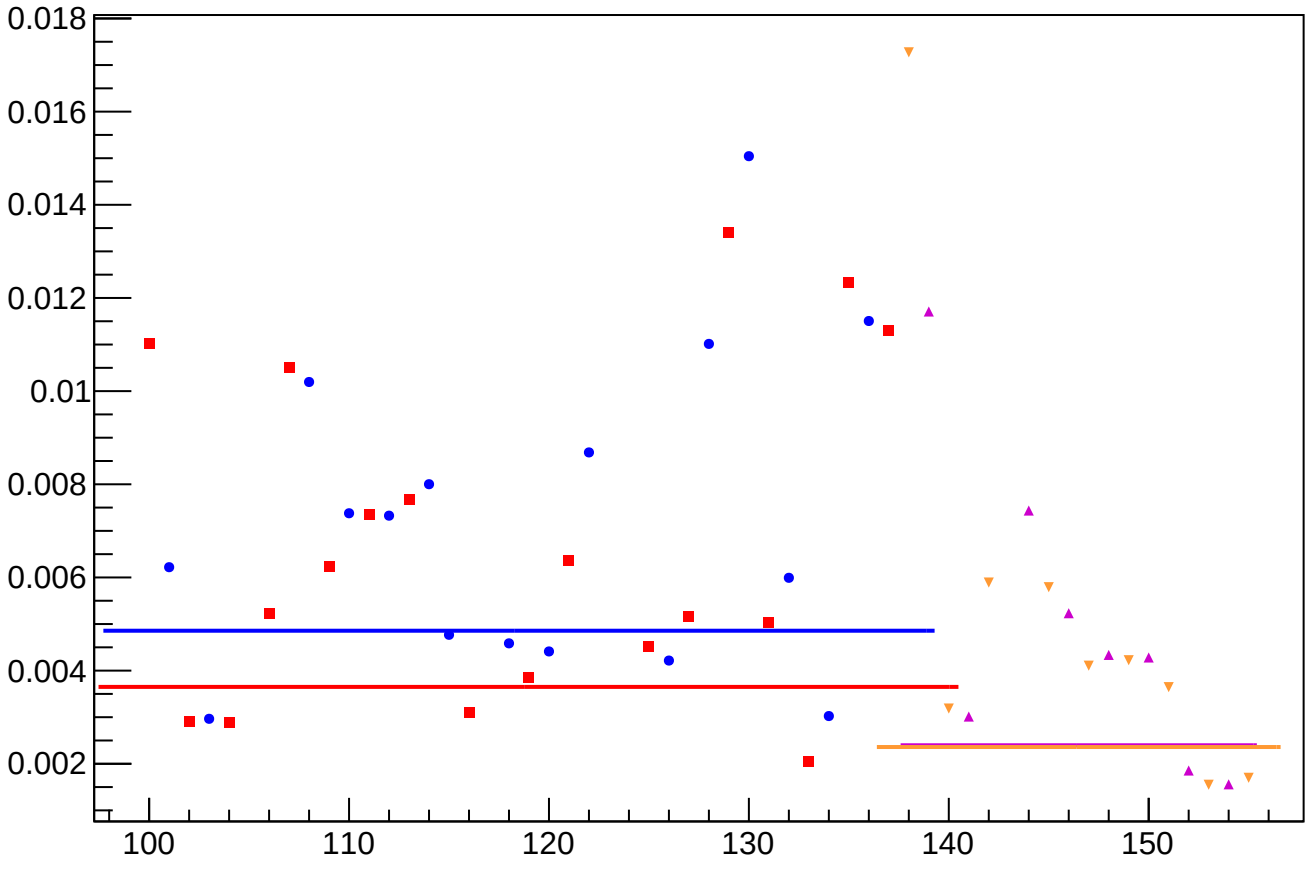
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/24

All: 0.000+/-0.000 χ^2/NDF: 55.9/50

- sign 0.000+/-0.000 χ^2/NDF: 20.2/25



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3530695.0/8

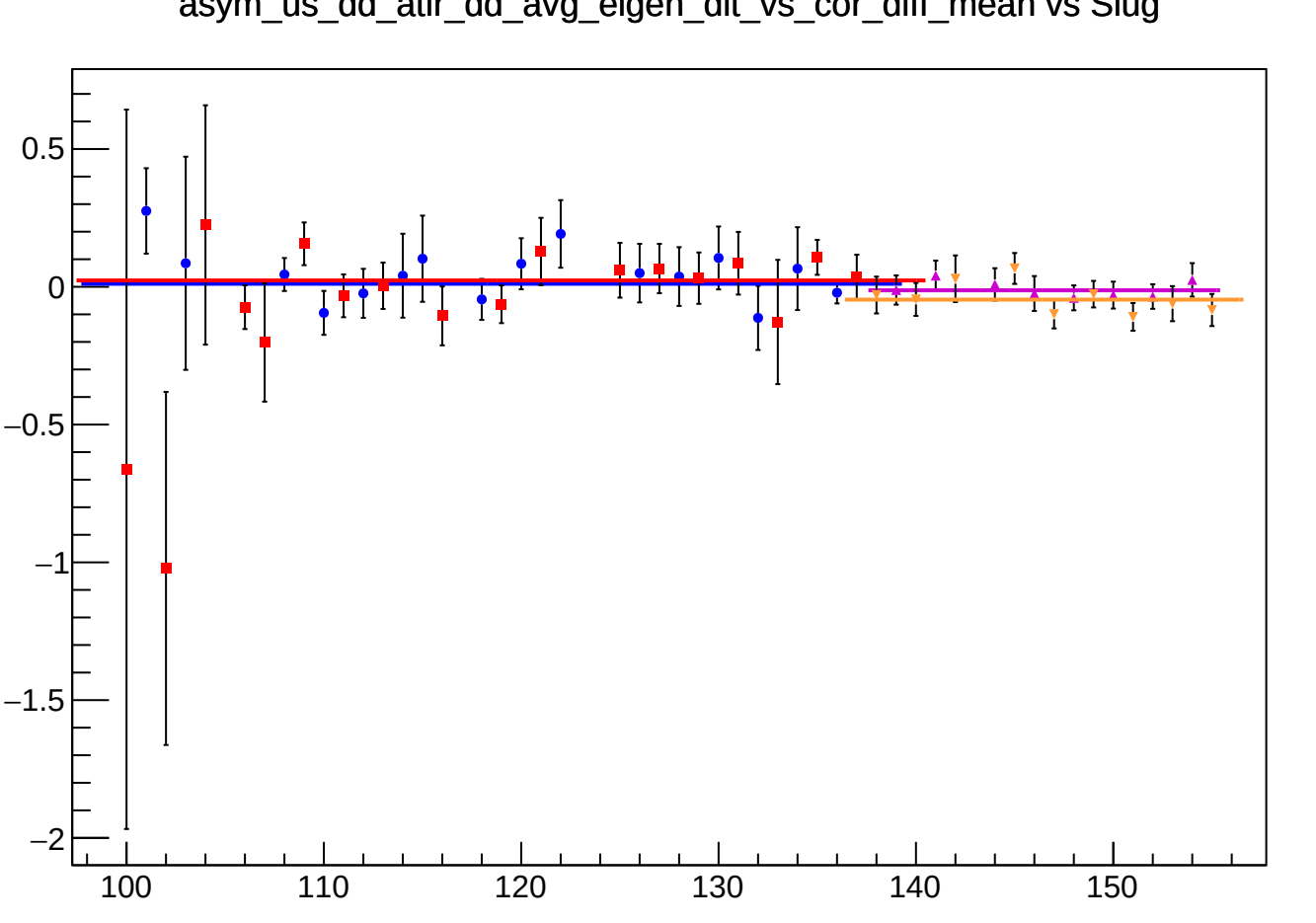
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:3433894.2/7

+ sign 0.003+/-0.000 χ^2/NDF: 8569991.6/24

All: 0.003+/-0.000 χ^2/NDF: 15972799.2/50

- sign 0.003+/-0.000 χ^2/NDF: 7398957.1/25



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.019 χ^2/NDF:8.2/8

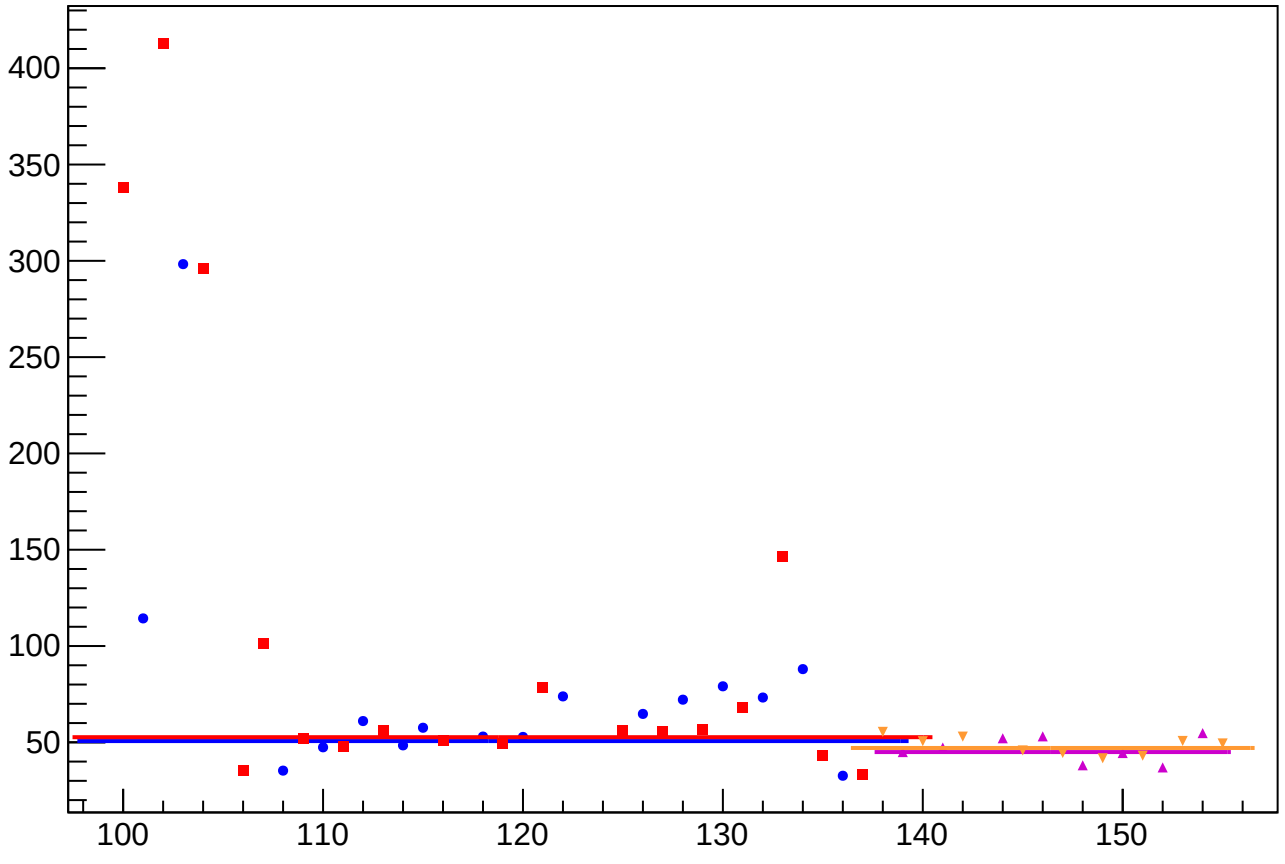
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.013+/-0.019 χ^2/NDF:2.3/7

+ sign -0.021+/-0.014 χ^2/NDF: 23.8/24

All: -0.010+/-0.010 χ^2/NDF: 44.7/50

- sign 0.001+/-0.014 χ^2/NDF: 19.7/25



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.069+/-0.014 χ^2/NDF:101088.3/8

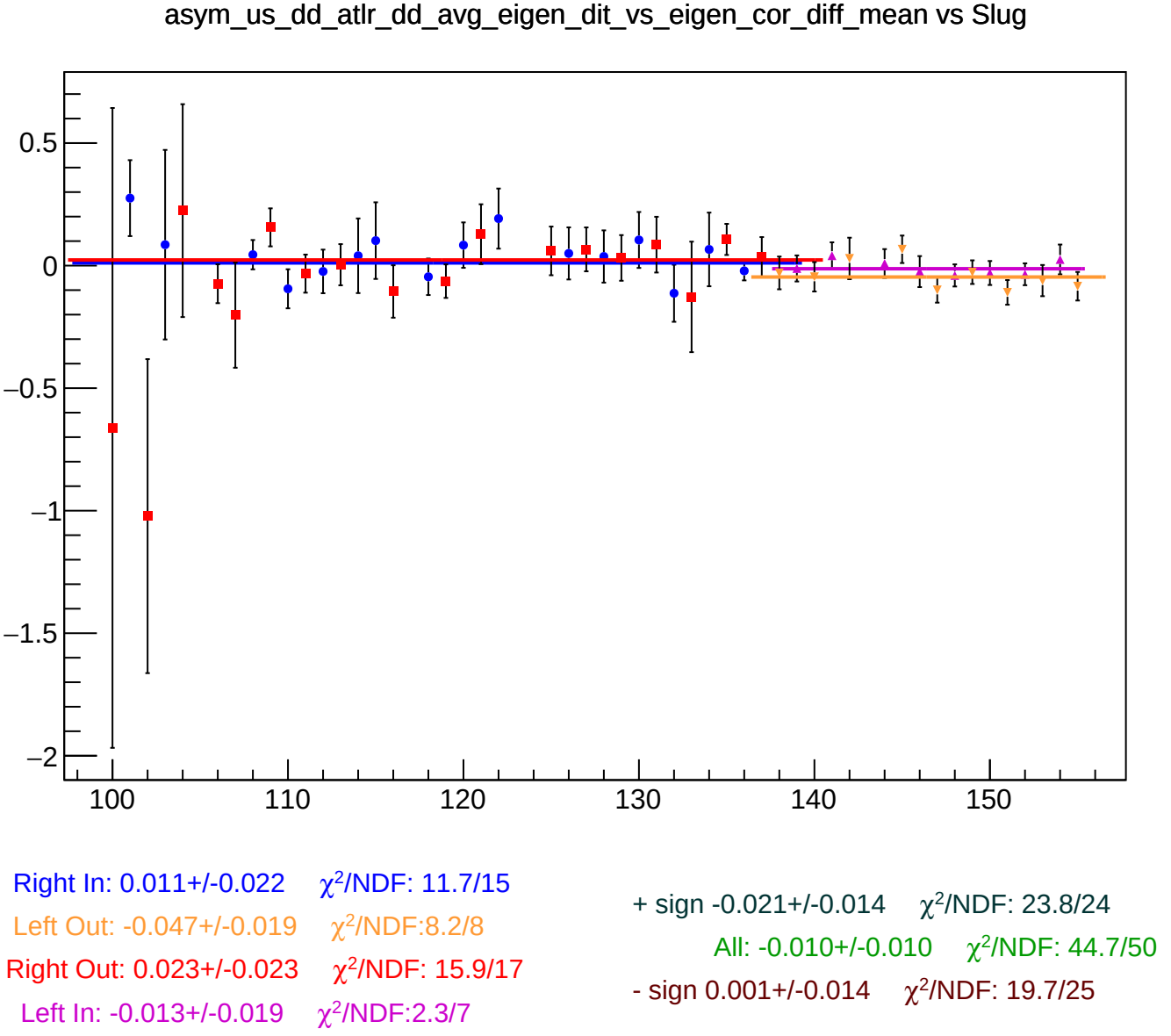
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

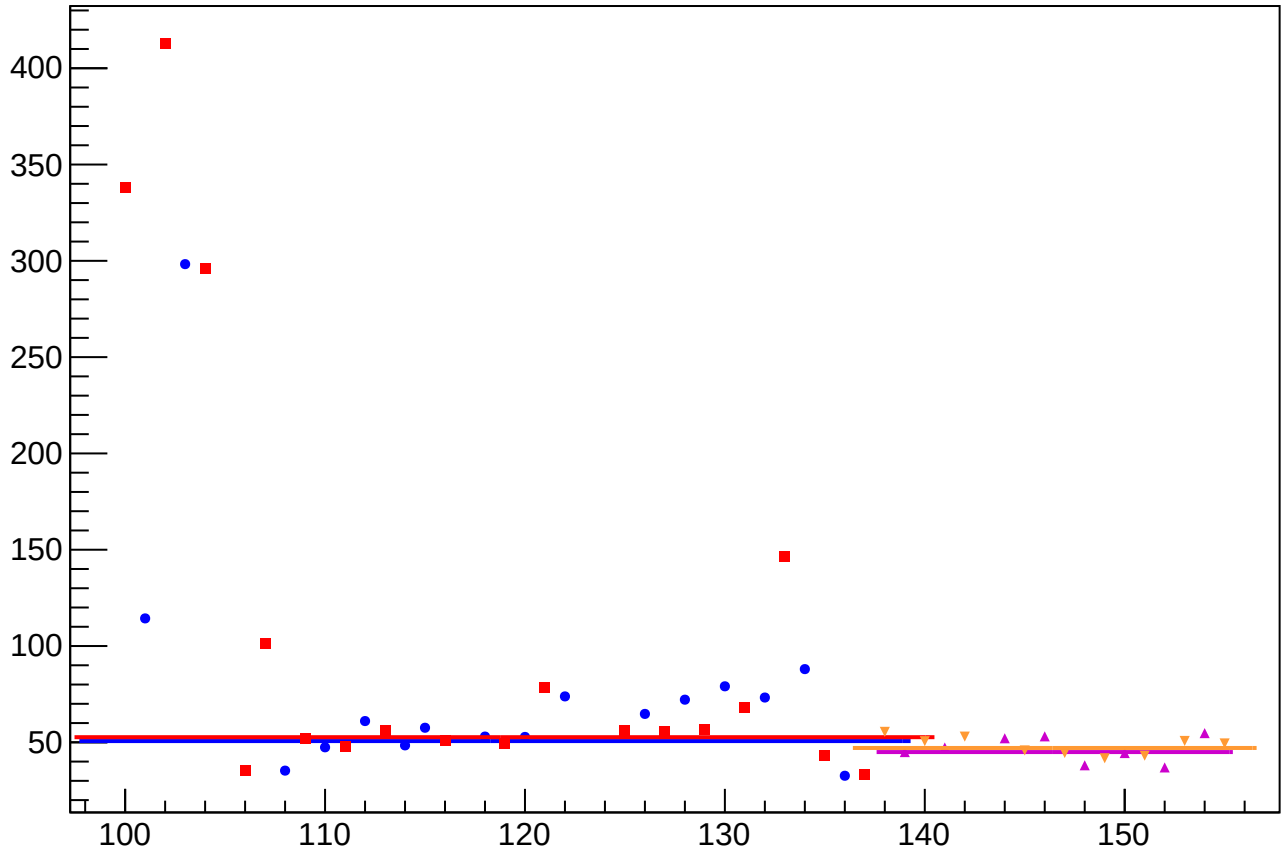
Left In: 44.942+/-0.013 χ^2/NDF:229596.8/7

+ sign 48.629+/-0.010 χ^2/NDF: 2397586.4/24

All: 48.296+/-0.007 χ^2/NDF: 4977205.8/50

- sign 47.963+/-0.010 χ^2/NDF: 2577490.4/25


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.047+/-0.019 χ²/NDF:8.2/8
Right Out: 0.023+/-0.023 χ²/NDF: 15.9/17
Left In: -0.013+/-0.019 χ²/NDF:2.3/7
+ sign -0.021+/-0.014 χ²/NDF: 23.8/24
All: -0.010+/-0.010 χ²/NDF: 44.7/50
- sign 0.001+/-0.014 χ²/NDF: 19.7/25



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.069+/-0.014 χ^2/NDF:101088.3/8

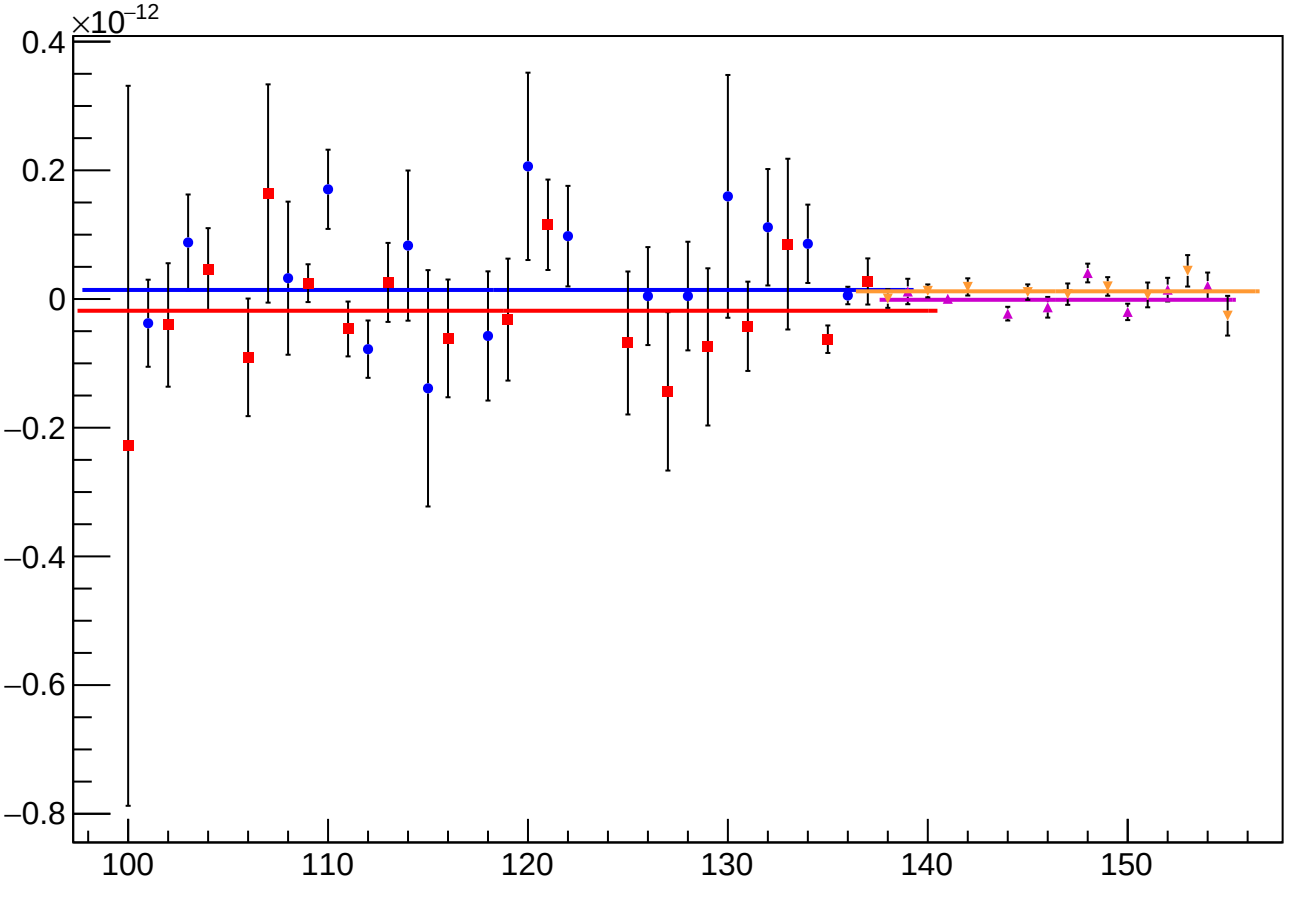
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 44.942+/-0.013 χ^2/NDF:229596.8/7

+ sign 48.629+/-0.010 χ^2/NDF: 2397586.4/24

All: 48.296+/-0.007 χ^2/NDF: 4977205.8/50

- sign 47.963+/-0.010 χ^2/NDF: 2577490.4/25



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/8

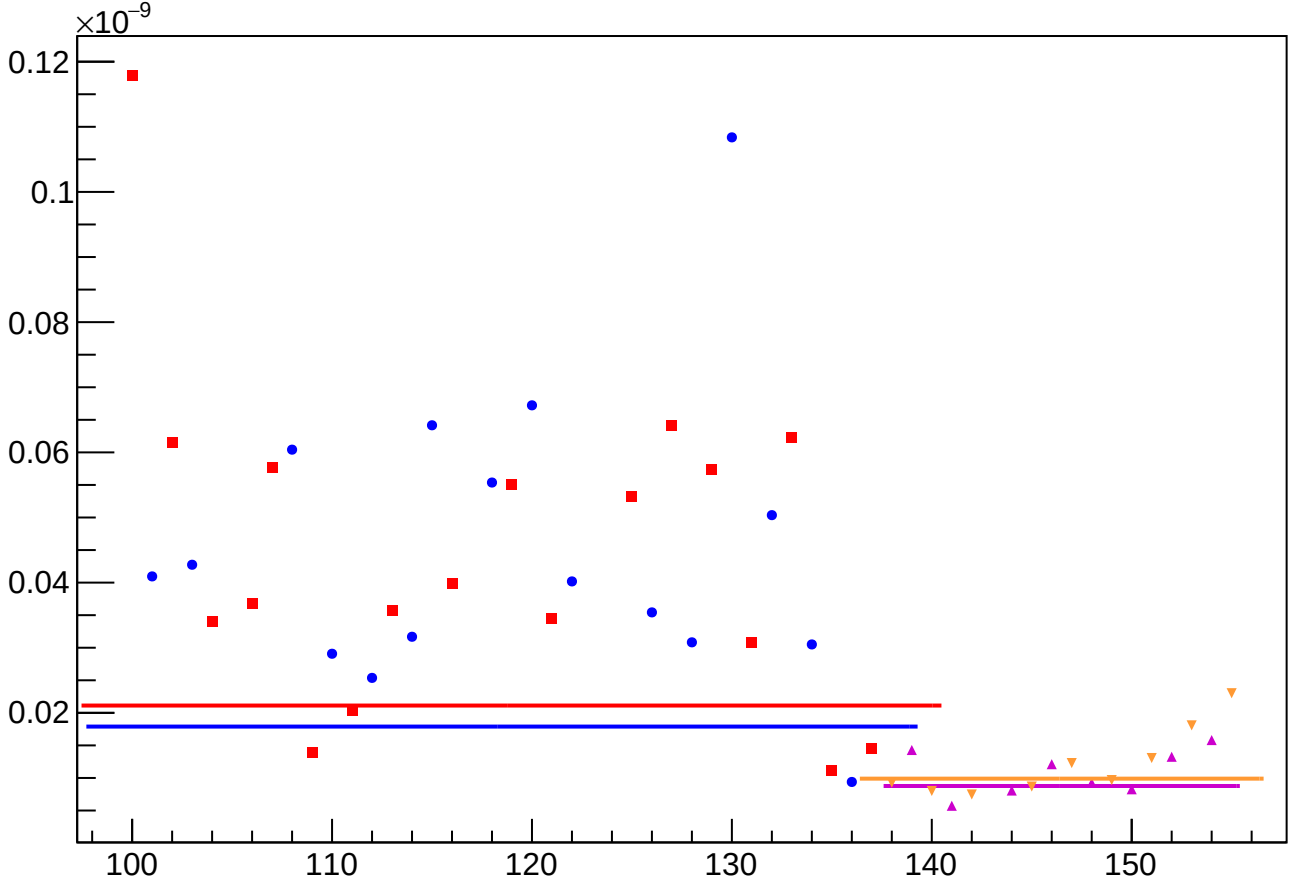
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:17.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/24

All: 0.000+/-0.000 χ^2/NDF: 67.9/50

- sign -0.000+/-0.000 χ^2/NDF: 36.9/25



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:841891.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

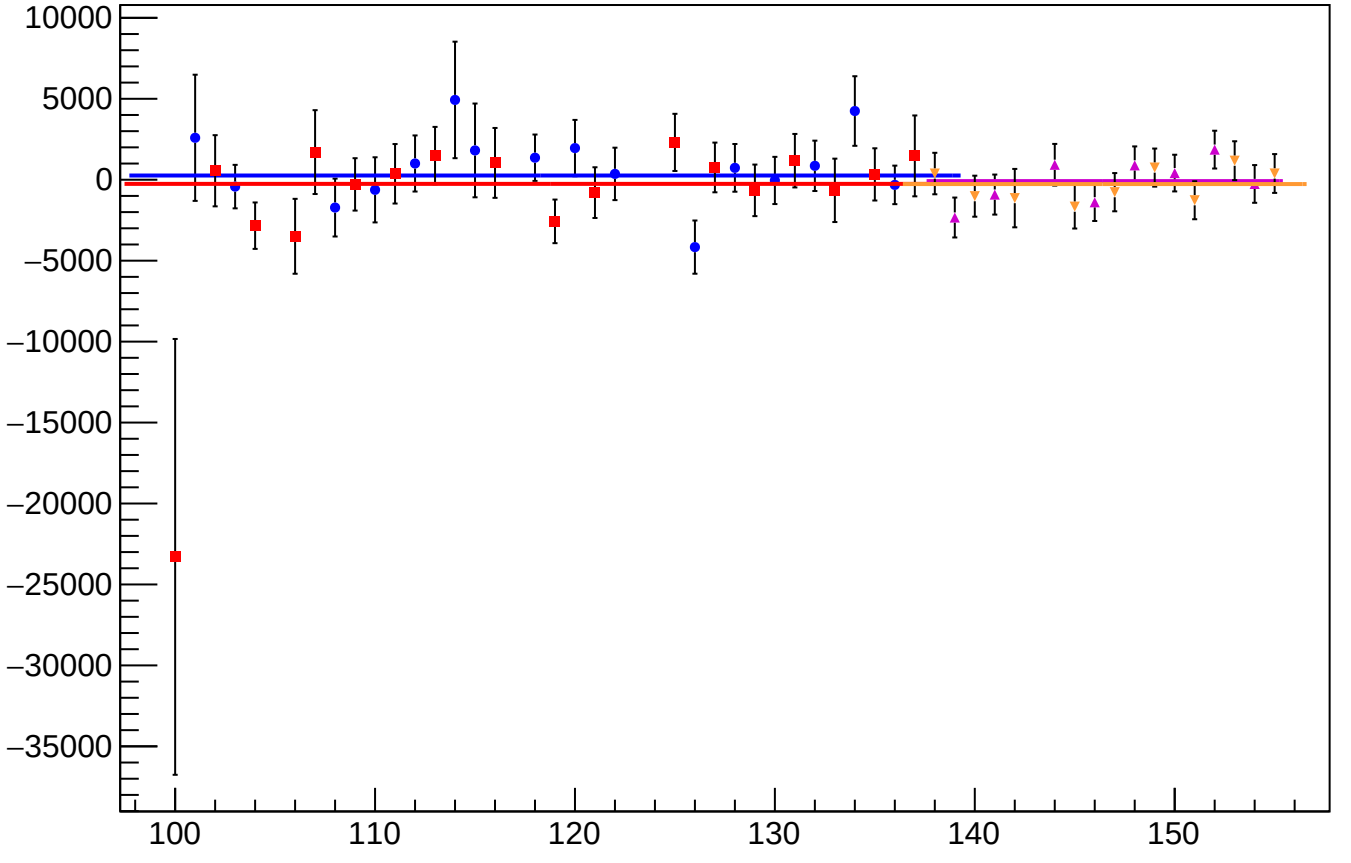
Left In: 0.000+/-0.000 χ^2/NDF:903052.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 5078544.7/24

All: 0.000+/-0.000 χ^2/NDF: 10363455.8/50

- sign 0.000+/-0.000 χ^2/NDF: 5238588.4/25

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -267.335+/-420.904 χ^2/NDF:5.3/8

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

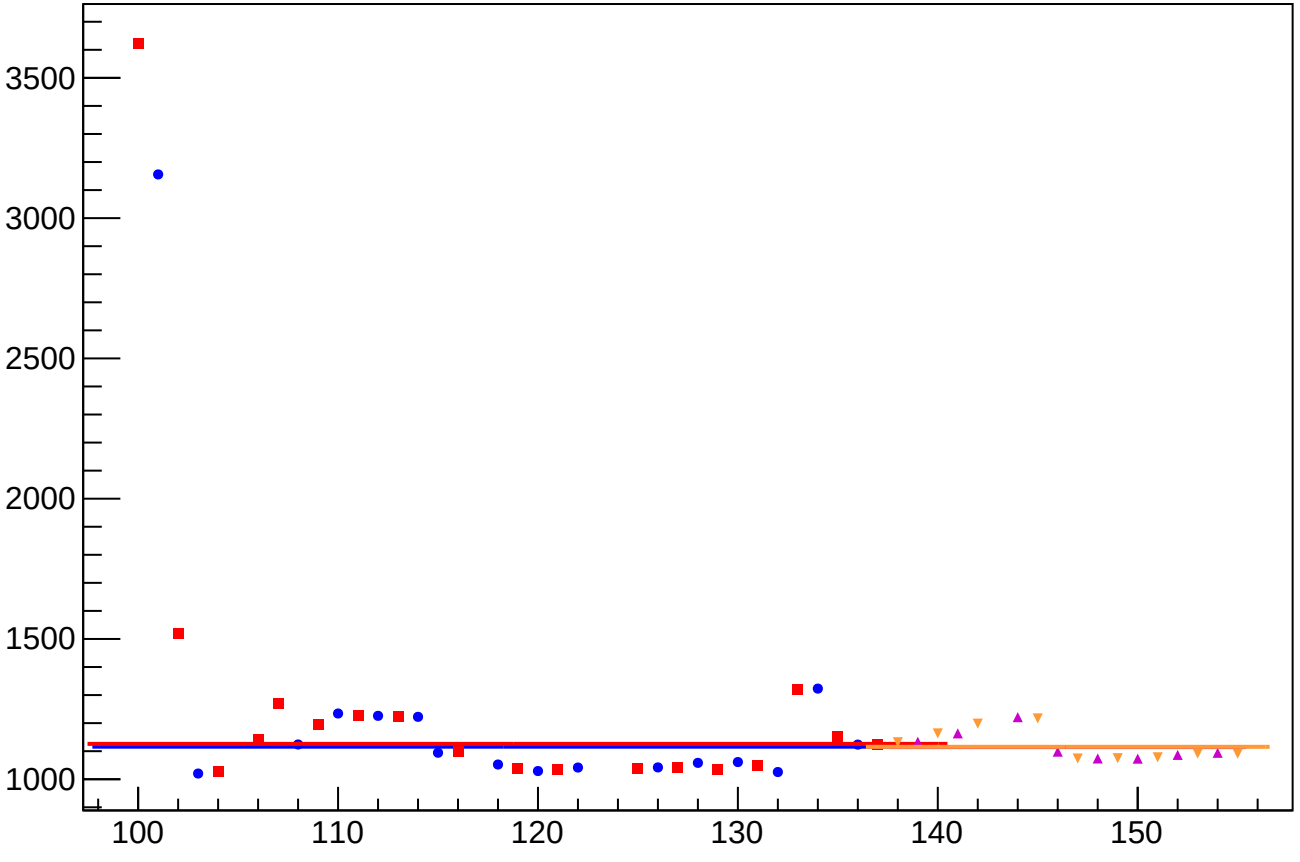
Left In: -84.418+/-421.036 χ^2/NDF:9.4/7

+ sign -5.613+/-298.942 χ^2/NDF: 23.0/24

All: -87.293+/-211.539 χ^2/NDF: 50.0/50

- sign -169.215+/-299.382 χ^2/NDF: 26.8/25

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1115.573+/-0.298 χ^2/NDF:27156.4/8

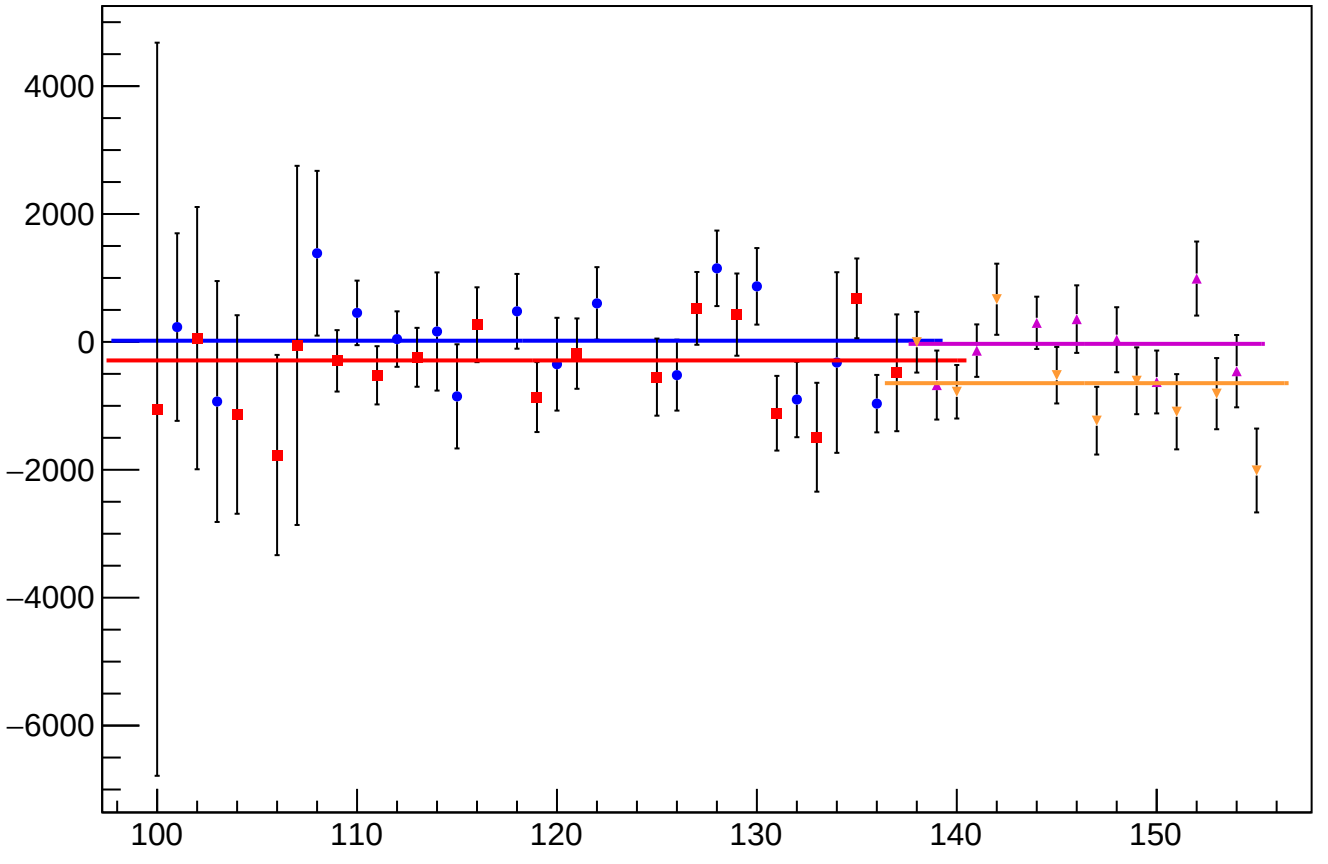
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1114.588+/-0.298 χ^2/NDF:24537.0/7

+ sign 1115.829+/-0.211 χ^2/NDF: 650548.7/24

All: 1118.030+/-0.150 χ^2/NDF: 898137.3/50

- sign 1120.238+/-0.212 χ^2/NDF: 247371.4/25



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -645.343+/-171.086 χ^2/NDF:13.8/8

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

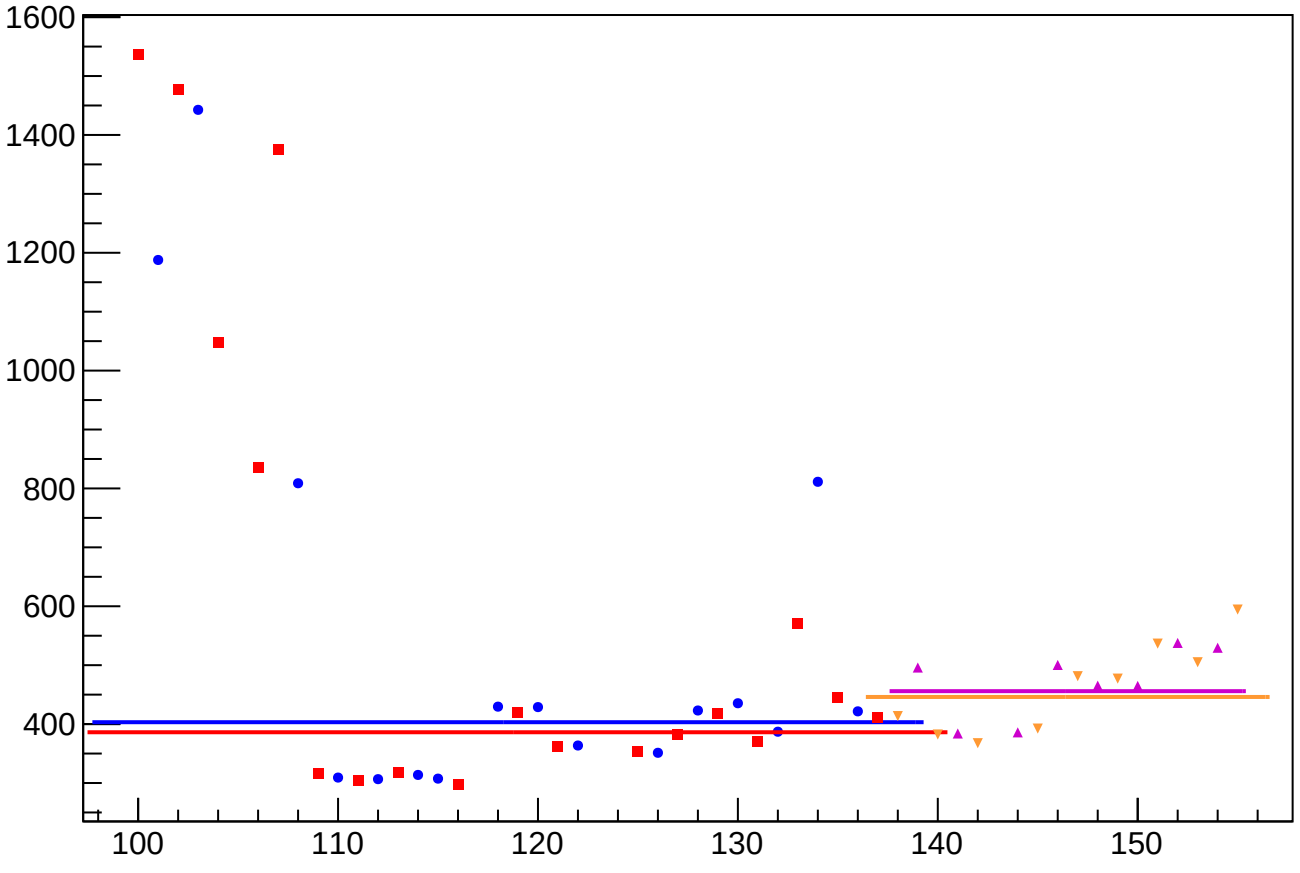
Left In: -30.577+/-173.919 χ^2/NDF:7.8/7

\+ sign -293.781+/-117.339 χ^2/NDF: 41.0/24

All: -233.386+/-82.568 χ^2/NDF: 64.1/50

\- sign -174.152+/-116.207 χ^2/NDF: 22.6/25

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: 446.049+/-0.121 χ^2/NDF:313177.4/8

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

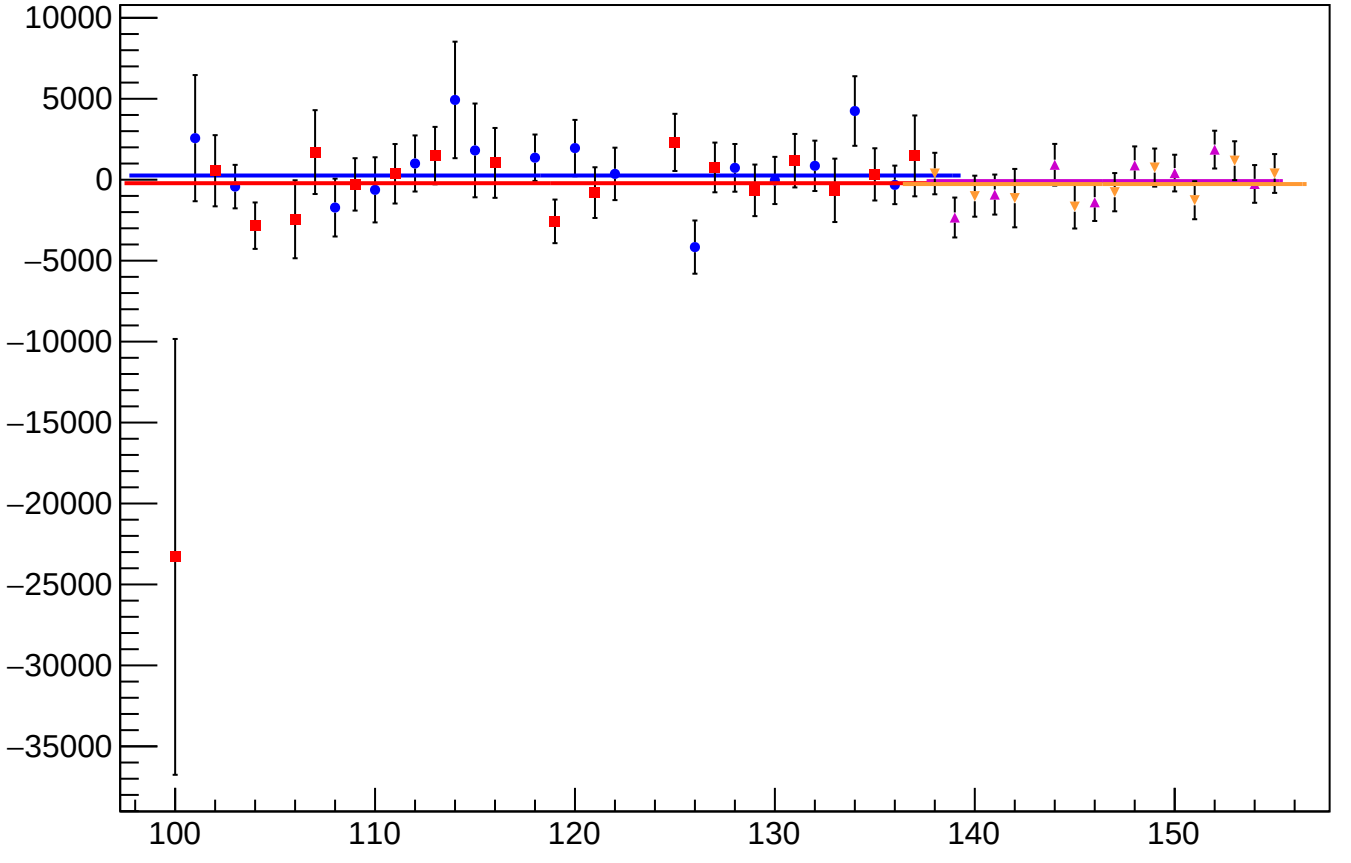
Left In: 455.898+/-0.123 χ^2/NDF:220347.4/7

+ sign 423.352+/-0.083 χ^2/NDF: 2188067.9/24

All: 420.290+/-0.058 χ^2/NDF: 4348305.7/50

- sign 417.287+/-0.082 χ^2/NDF: 2157539.5/25

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -267.324+/-420.904 χ^2/NDF:5.3/8

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

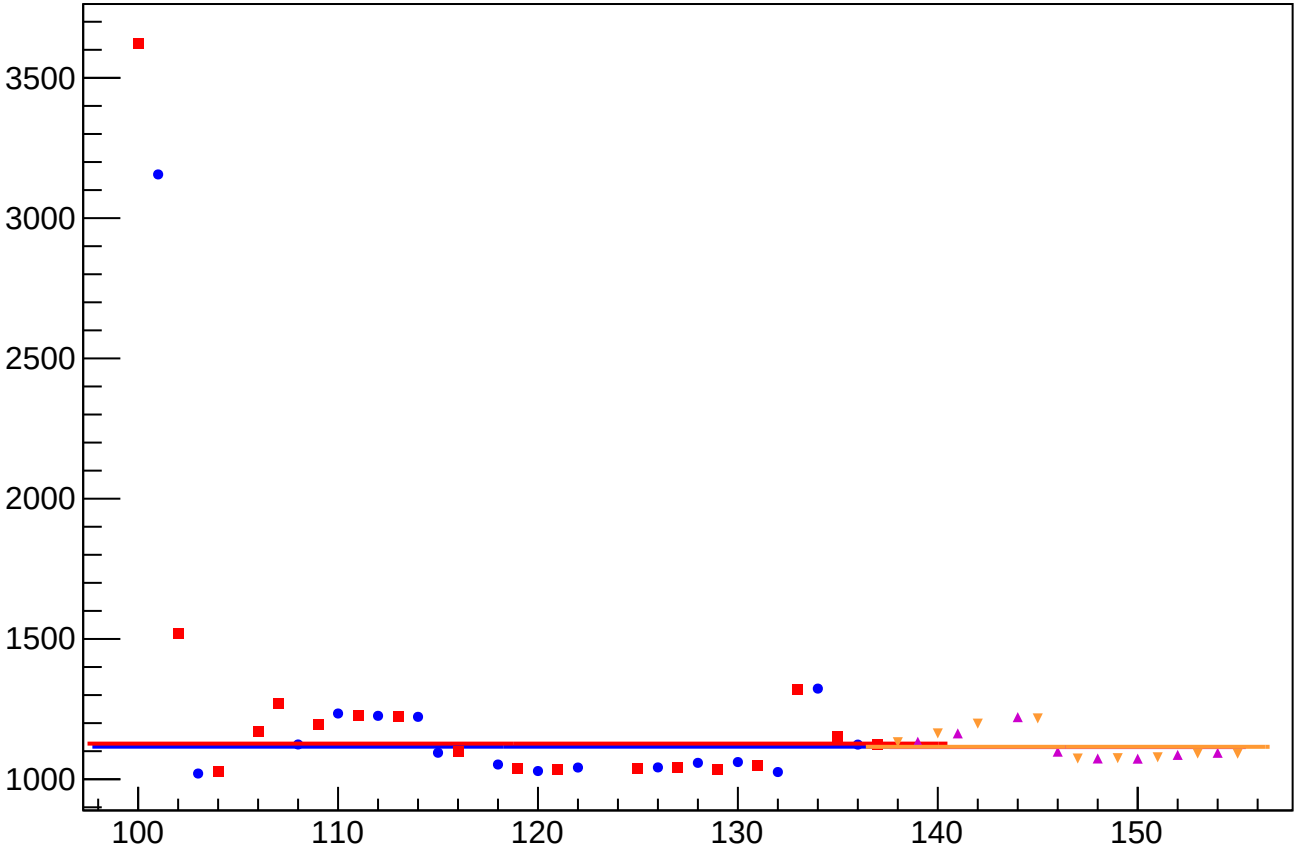
Left In: -84.395+/-421.036 χ^2/NDF:9.4/7

\+ sign -5.797+/-298.942 χ^2/NDF: 23.0/24

All: -77.064+/-211.608 χ^2/NDF: 48.8/50

\- sign -148.633+/-299.576 χ^2/NDF: 25.6/25

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1115.573+/-0.298 χ^2/NDF:27156.4/8

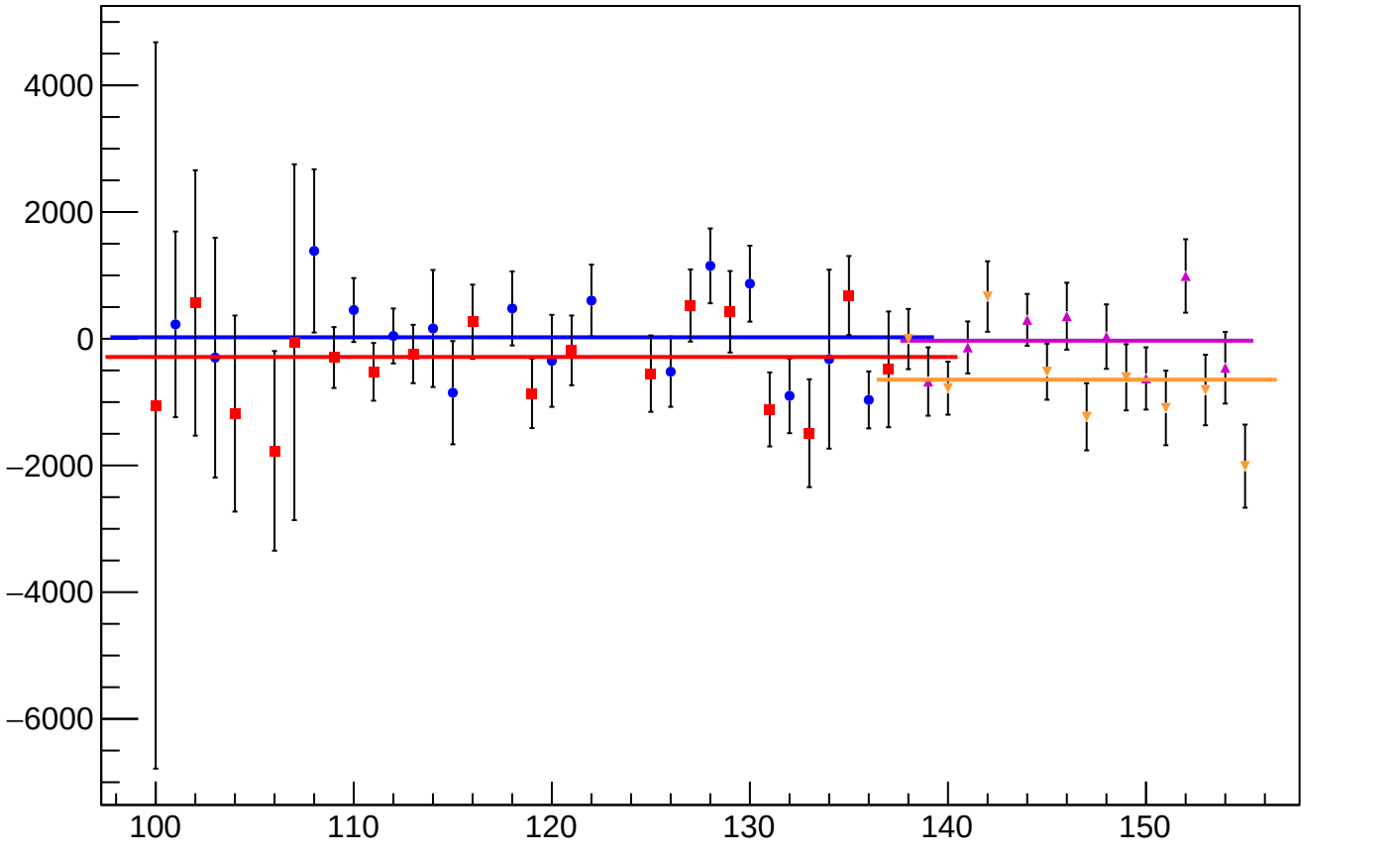
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1114.588+/-0.298 χ^2/NDF:24537.0/7

+ sign 1115.829+/-0.211 χ^2/NDF: 650549.8/24

All: 1118.258+/-0.150 χ^2/NDF: 898944.2/50

- sign 1120.696+/-0.212 χ^2/NDF: 248129.9/25



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -645.460+/-171.085 χ^2/NDF:13.8/8

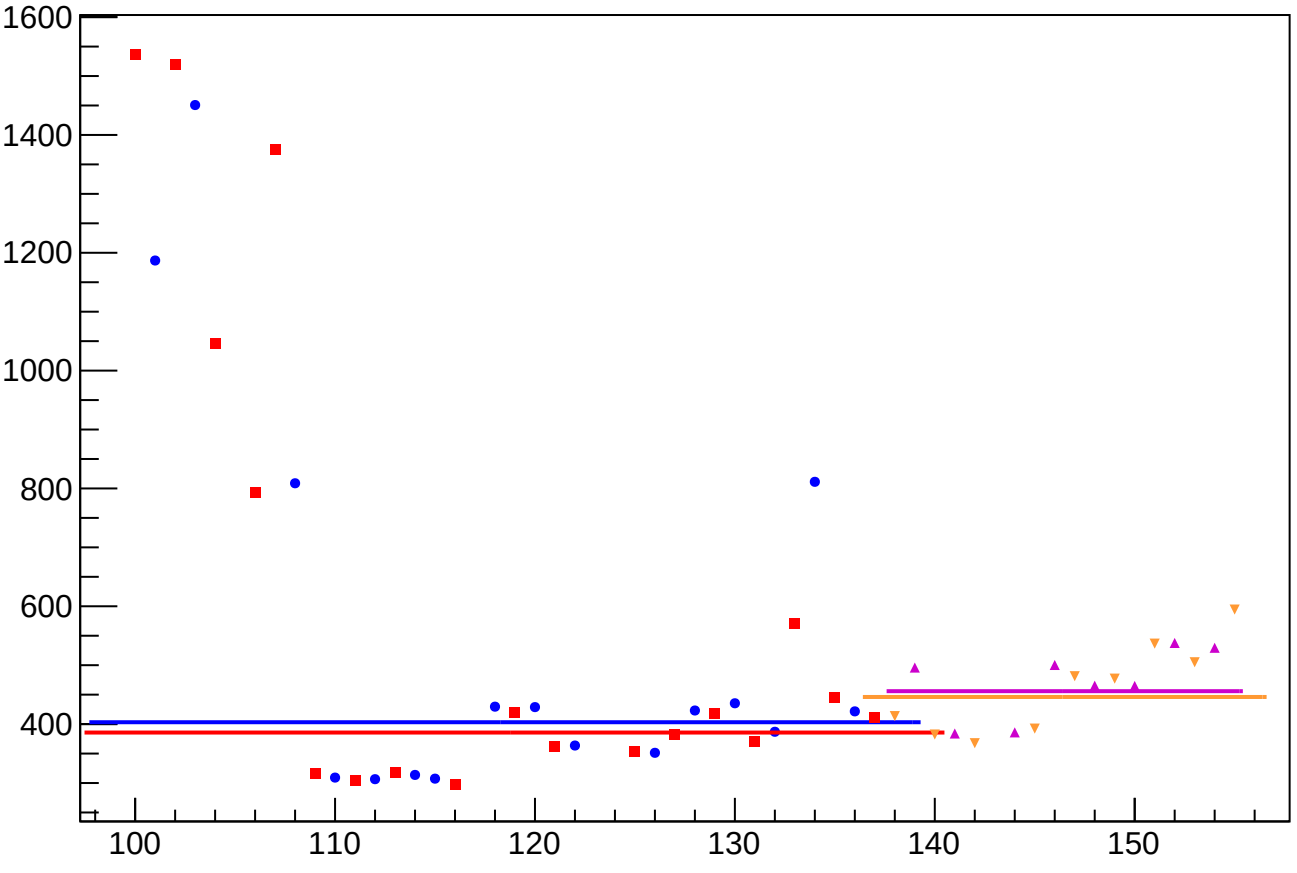
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -30.626+/-173.917 χ^2/NDF:7.8/7

+ sign -291.480+/-117.339 χ^2/NDF: 40.8/24

All: -231.601+/-82.571 χ^2/NDF: 64.1/50

- sign -172.863+/-116.216 χ^2/NDF: 22.7/25



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 446.046+/-0.121 χ^2/NDF:313173.8/8

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

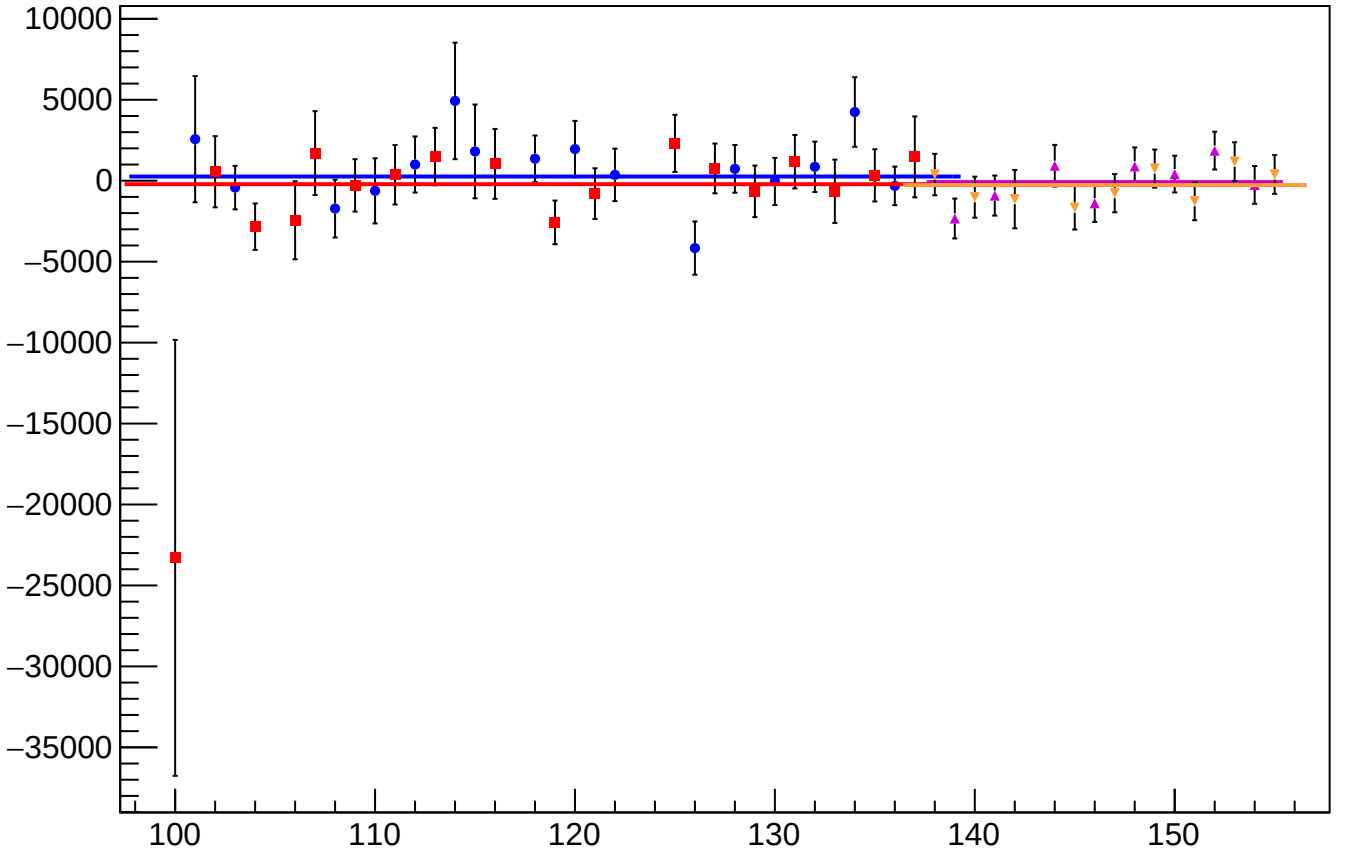
Left In: 455.894+/-0.123 χ^2/NDF:220311.2/7

+ sign 423.345+/-0.083 χ^2/NDF: 2191770.7/24

All: 420.159+/-0.058 χ^2/NDF: 4342569.6/50

- sign 417.033+/-0.082 χ^2/NDF: 2147877.5/25

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: -267.324+/-420.904 χ^2/NDF:5.3/8

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

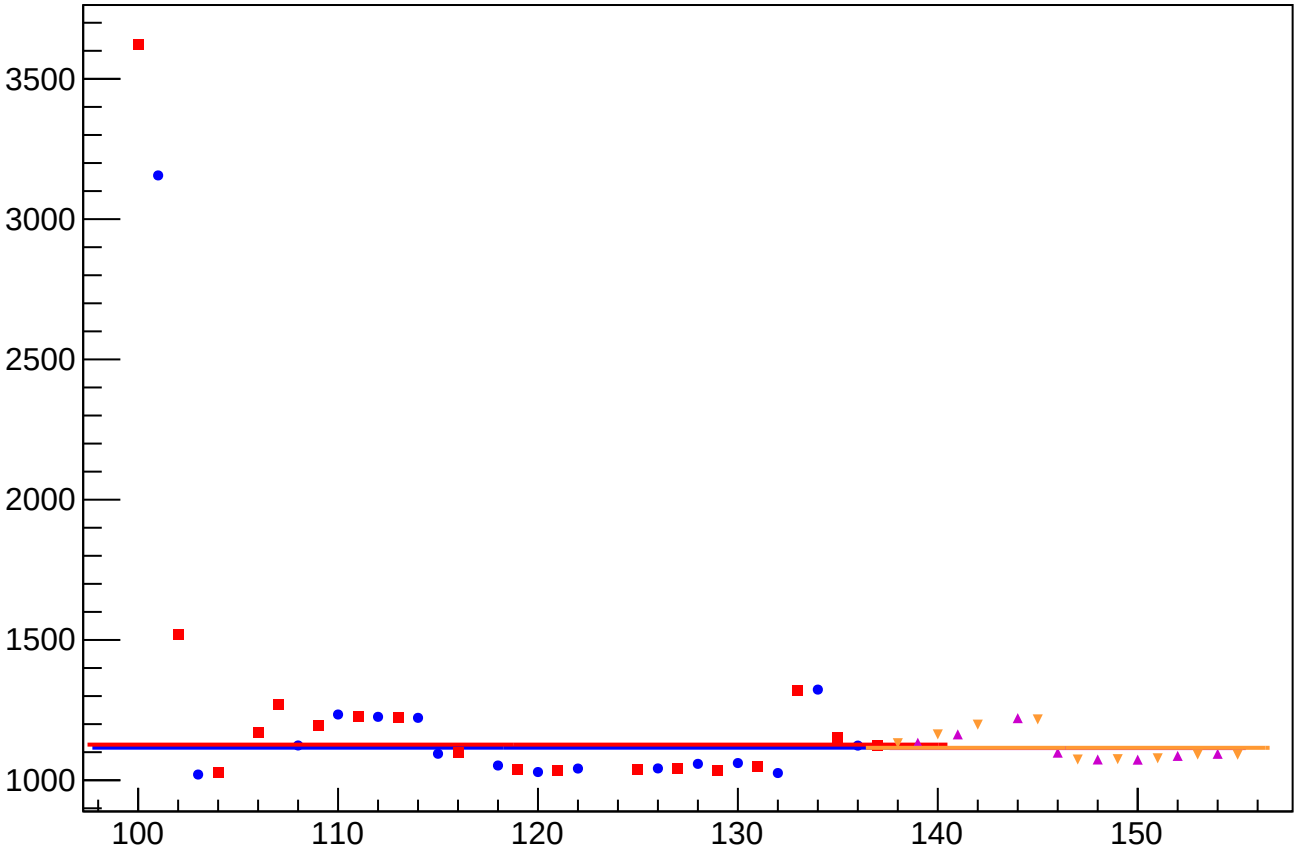
Left In: -84.395+/-421.036 χ^2/NDF:9.4/7

+ sign -5.797+/-298.942 χ^2/NDF: 23.0/24

All: -77.064+/-211.608 χ^2/NDF: 48.8/50

- sign -148.633+/-299.576 χ^2/NDF: 25.6/25

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: 1115.573+/-0.298 χ^2/NDF:27156.4/8

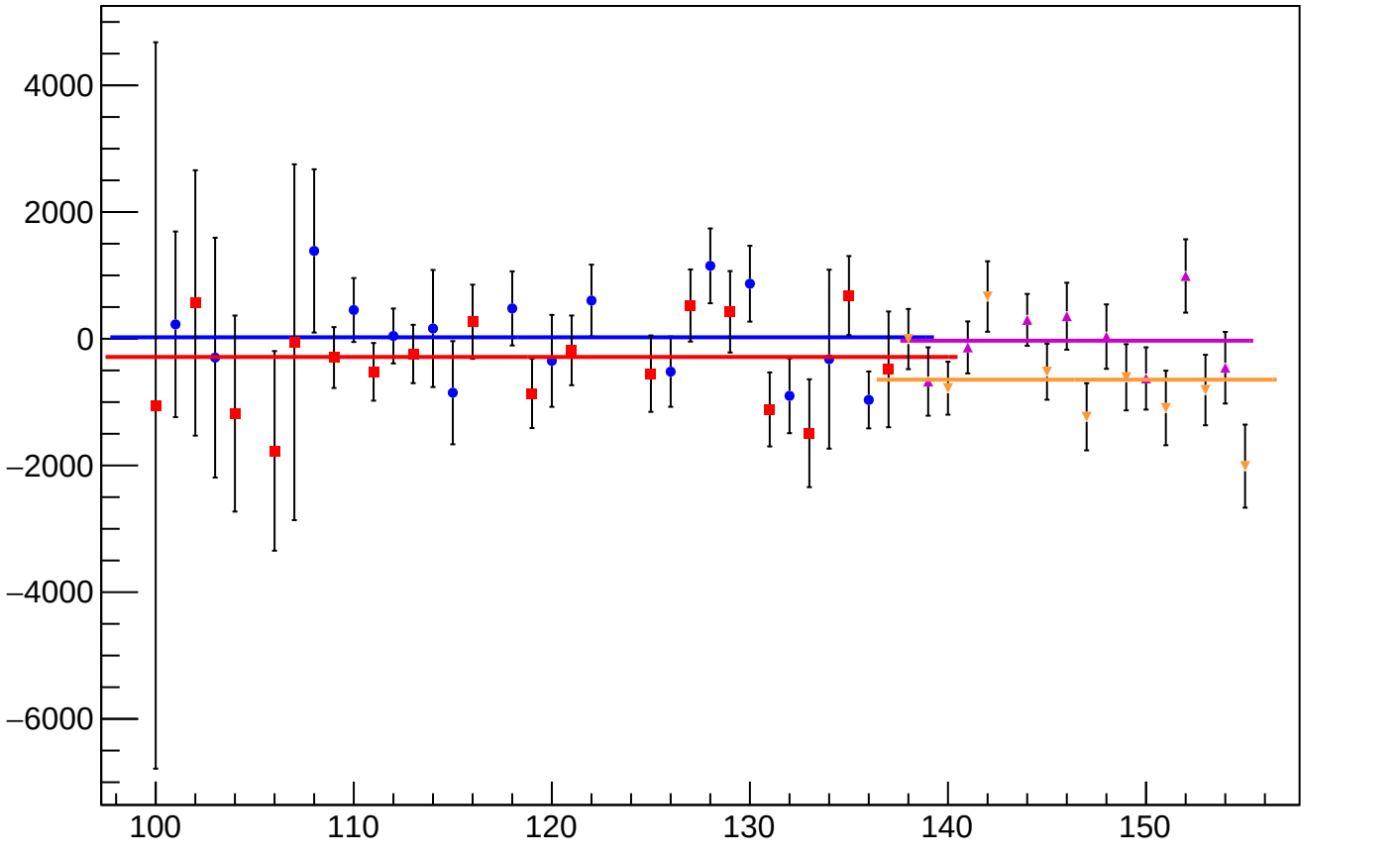
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1114.588+/-0.298 χ^2/NDF:24537.0/7

+ sign 1115.829+/-0.211 χ^2/NDF: 650549.8/24

All: 1118.258+/-0.150 χ^2/NDF: 898944.2/50

- sign 1120.696+/-0.212 χ^2/NDF: 248129.9/25



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -645.460+/-171.085 χ^2/NDF:13.8/8

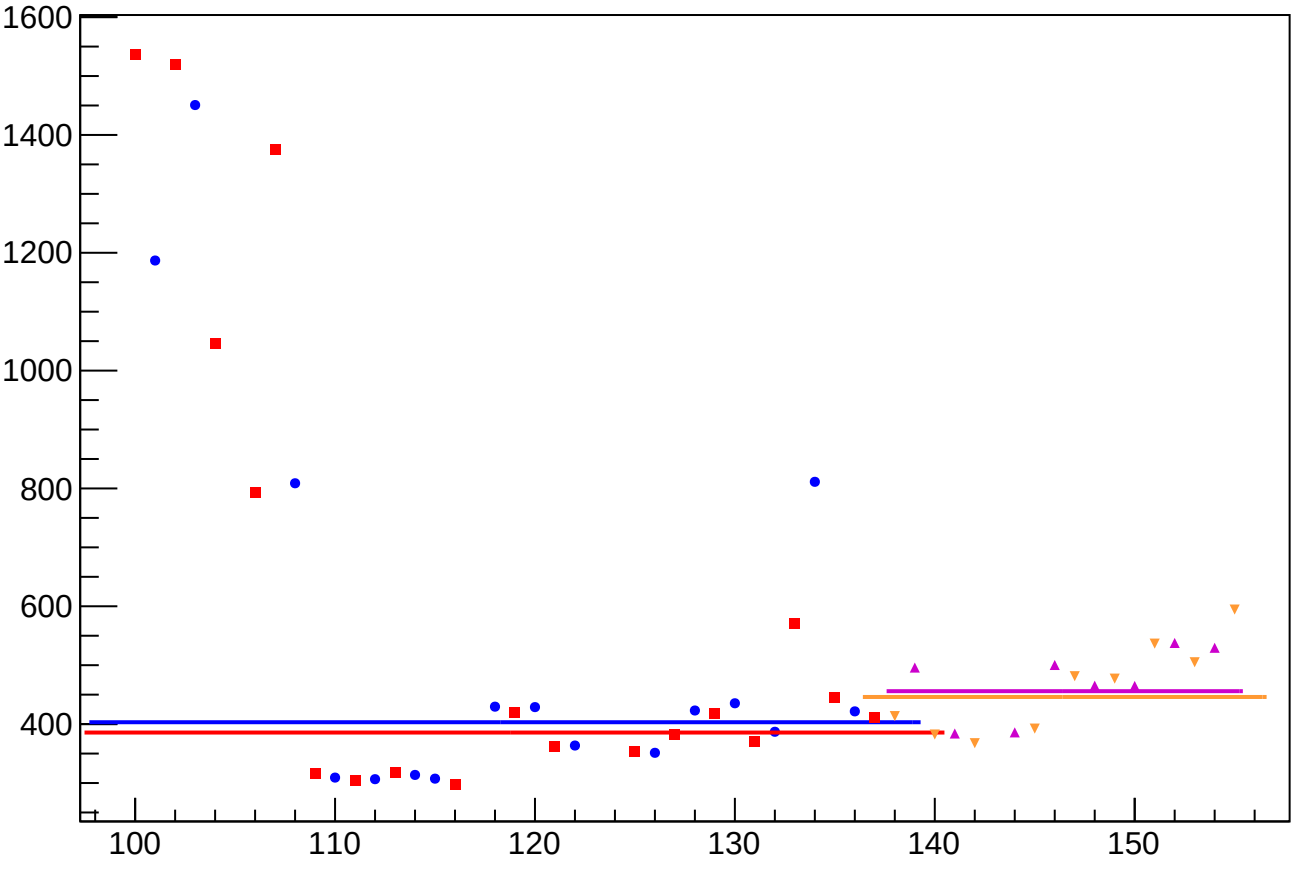
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -30.626+/-173.917 χ^2/NDF:7.8/7

+ sign -291.480+/-117.339 χ^2/NDF: 40.8/24

All: -231.601+/-82.571 χ^2/NDF: 64.1/50

- sign -172.863+/-116.216 χ^2/NDF: 22.7/25



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 446.046+/-0.121 χ^2/NDF:313173.8/8

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

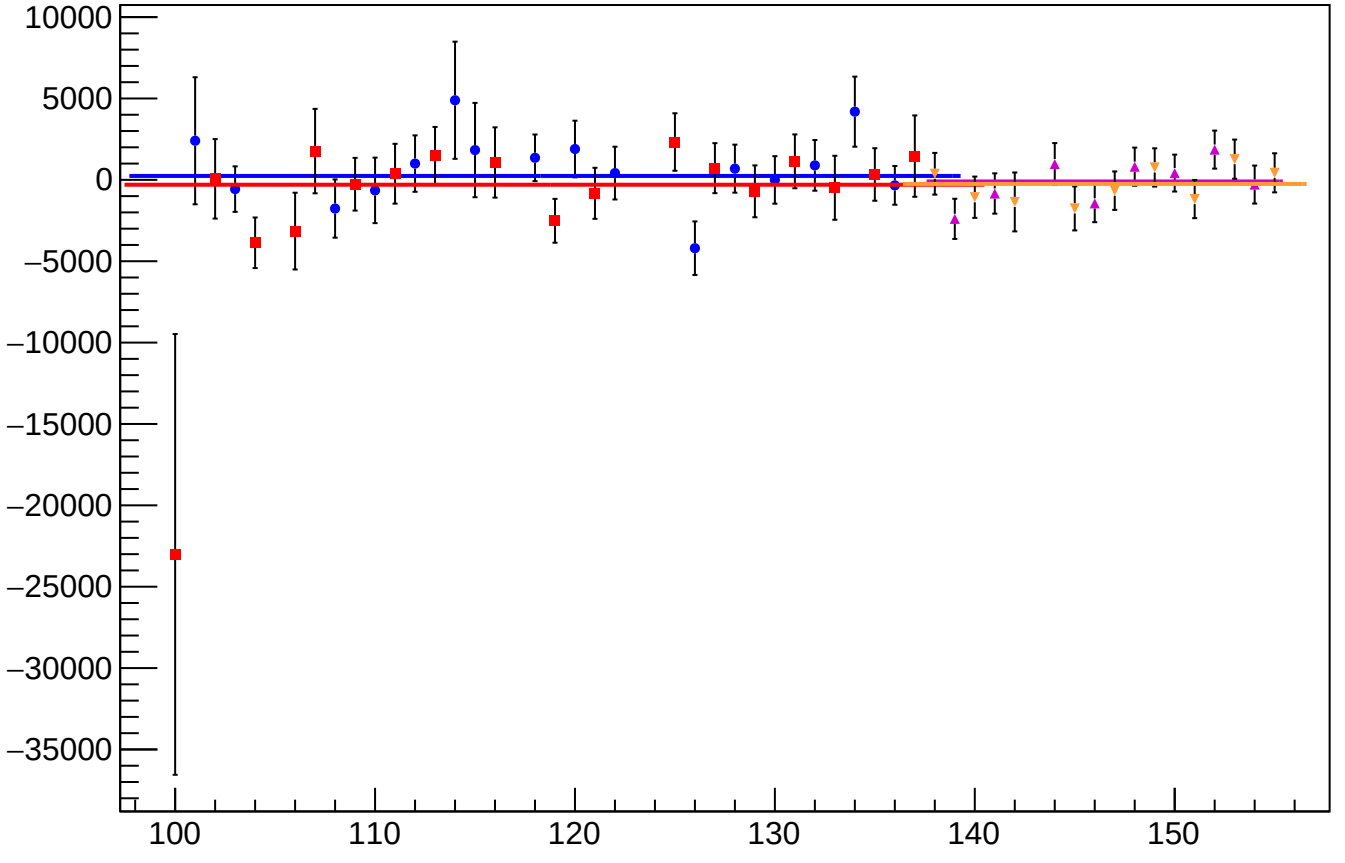
Left In: 455.894+/-0.123 χ^2/NDF:220311.2/7

+ sign 423.345+/-0.083 χ^2/NDF: 2191770.7/24

All: 420.159+/-0.058 χ^2/NDF: 4342569.6/50

- sign 417.033+/-0.082 χ^2/NDF: 2147877.5/25

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -250.991+/-421.422 χ^2/NDF:5.7/8

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

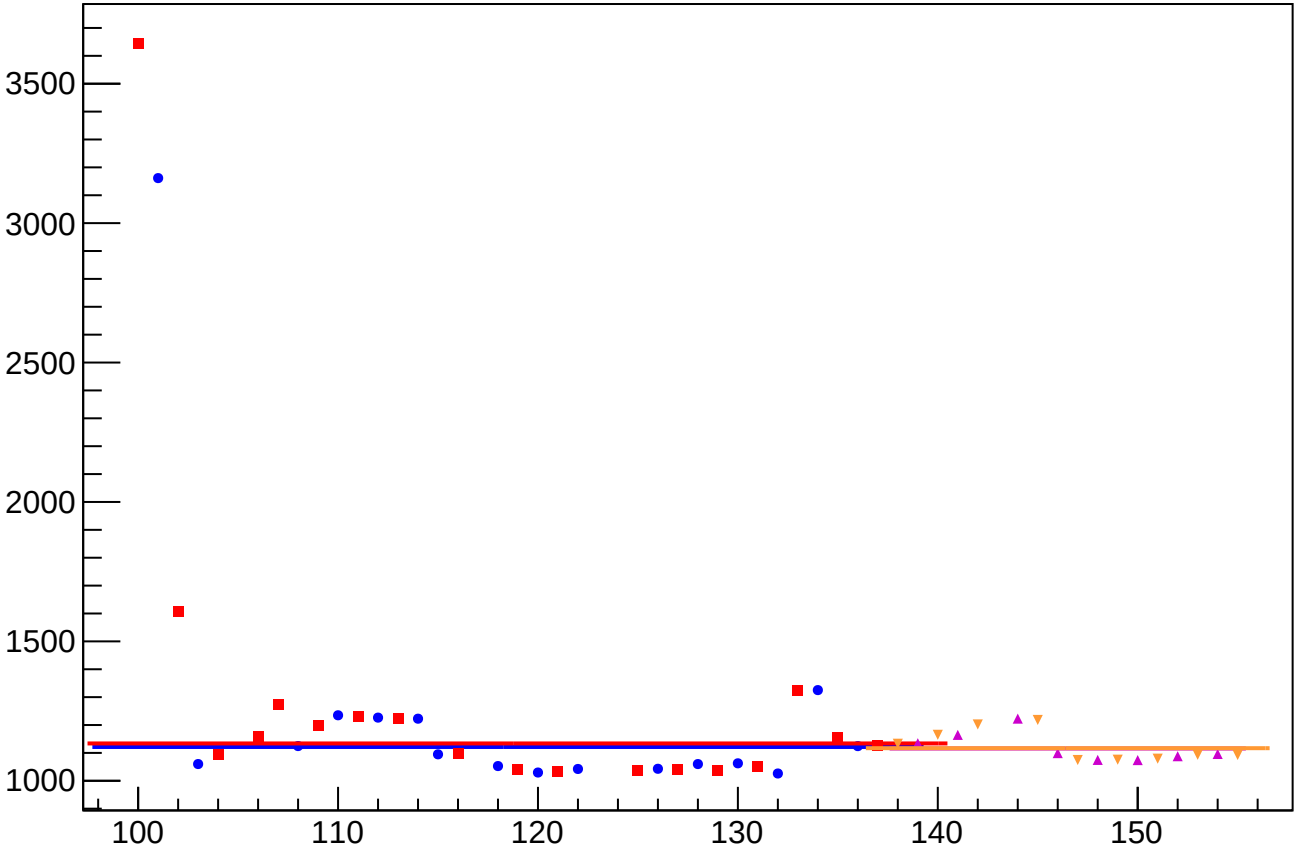
Left In: -98.410+/-421.494 χ^2/NDF:9.5/7

+ sign -8.080+/-299.802 χ^2/NDF: 23.3/24

All: -101.823+/-212.508 χ^2/NDF: 51.8/50

- sign -196.484+/-301.266 χ^2/NDF: 28.3/25

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1116.922+/-0.298 χ^2/NDF:27499.6/8

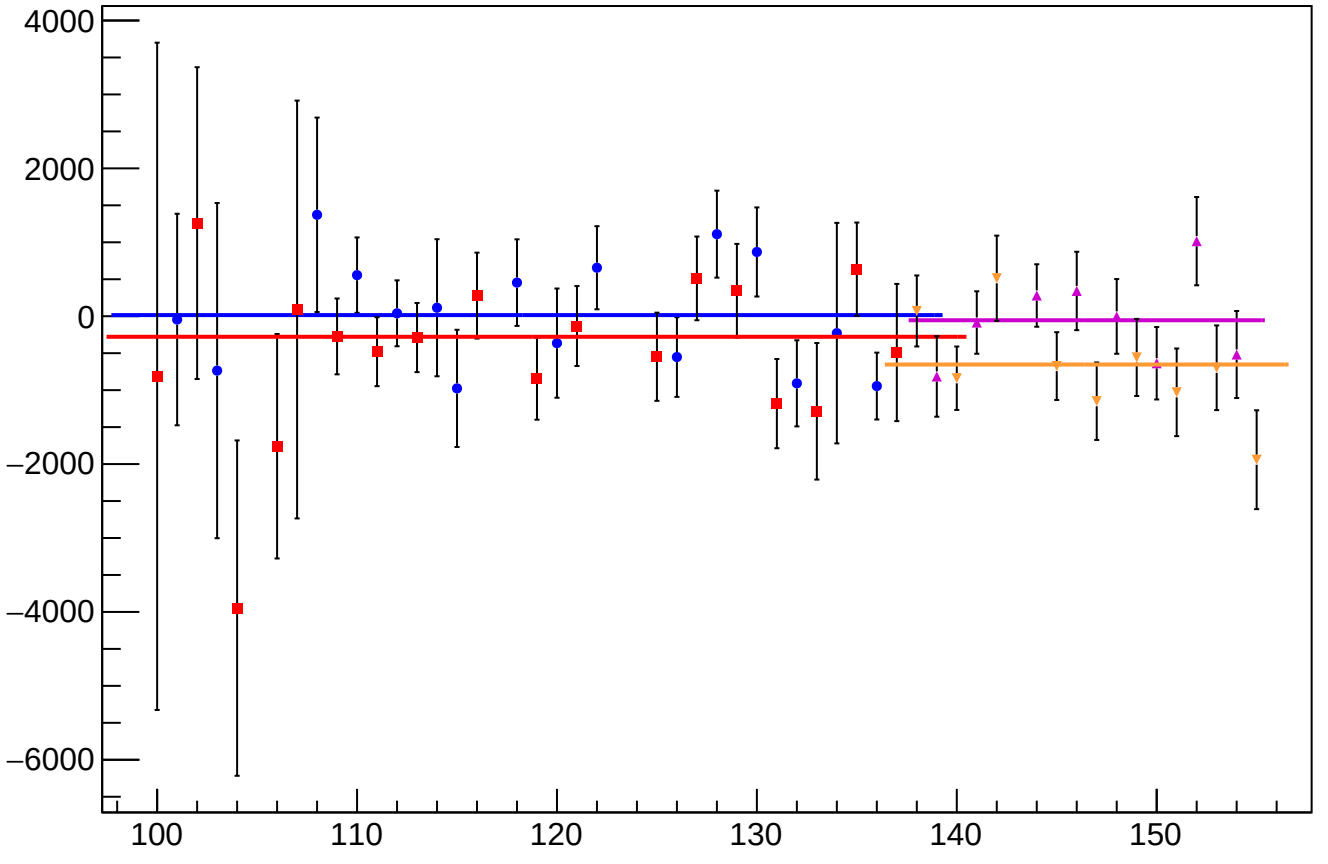
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1115.789+/-0.298 χ^2/NDF:24630.6/7

+ sign 1119.081+/-0.212 χ^2/NDF: 644634.3/24

All: 1121.858+/-0.150 χ^2/NDF: 898878.7/50

- sign 1124.662+/-0.213 χ^2/NDF: 253899.6/25



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -653.416+/-174.112 χ^2/NDF:11.6/8

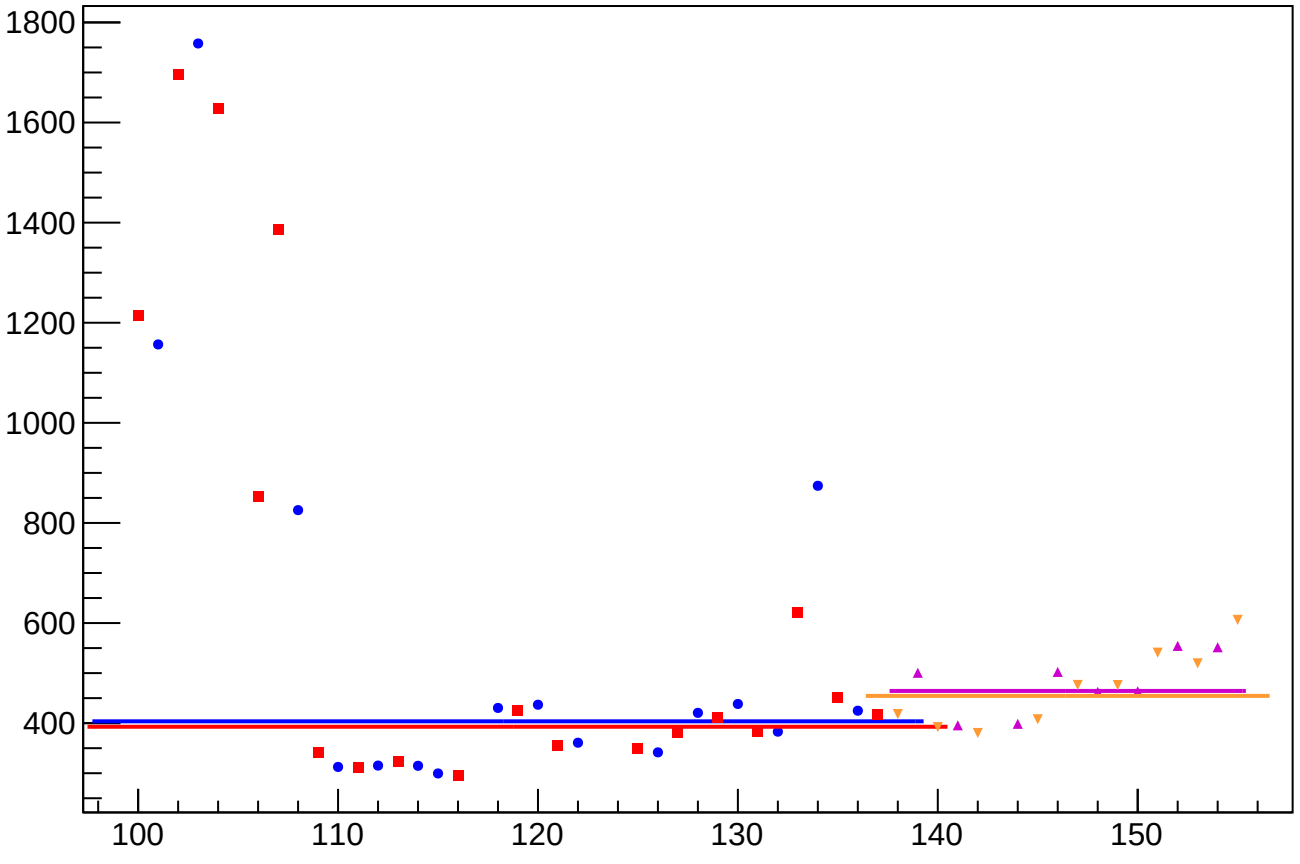
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -54.669+/-177.033 χ^2/NDF:8.4/7

+ sign -294.678+/-118.542 χ^2/NDF: 39.1/24

All: -236.454+/-83.708 χ^2/NDF: 64.0/50

- sign -178.544+/-118.222 χ^2/NDF: 24.3/25



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 454.516+/-0.123 χ^2/NDF:285833.6/8

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

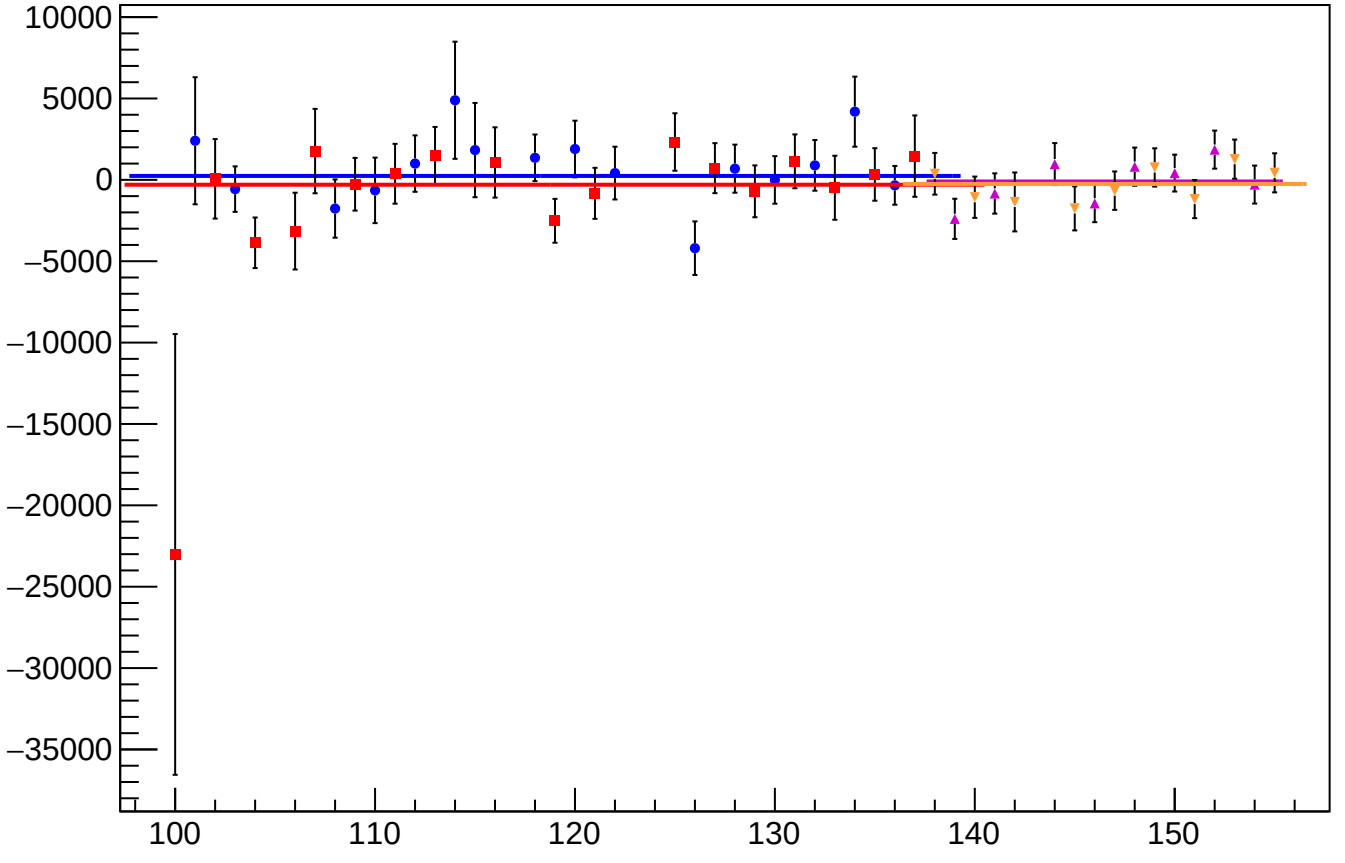
Left In: 464.381+/-0.125 χ^2/NDF:209776.6/7

+ sign 427.231+/-0.084 χ^2/NDF: 2306984.9/24

All: 425.979+/-0.059 χ^2/NDF: 4901721.2/50

- sign 424.733+/-0.084 χ^2/NDF: 2594290.9/25

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: -250.999+/-421.423 χ^2/NDF:5.7/8

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

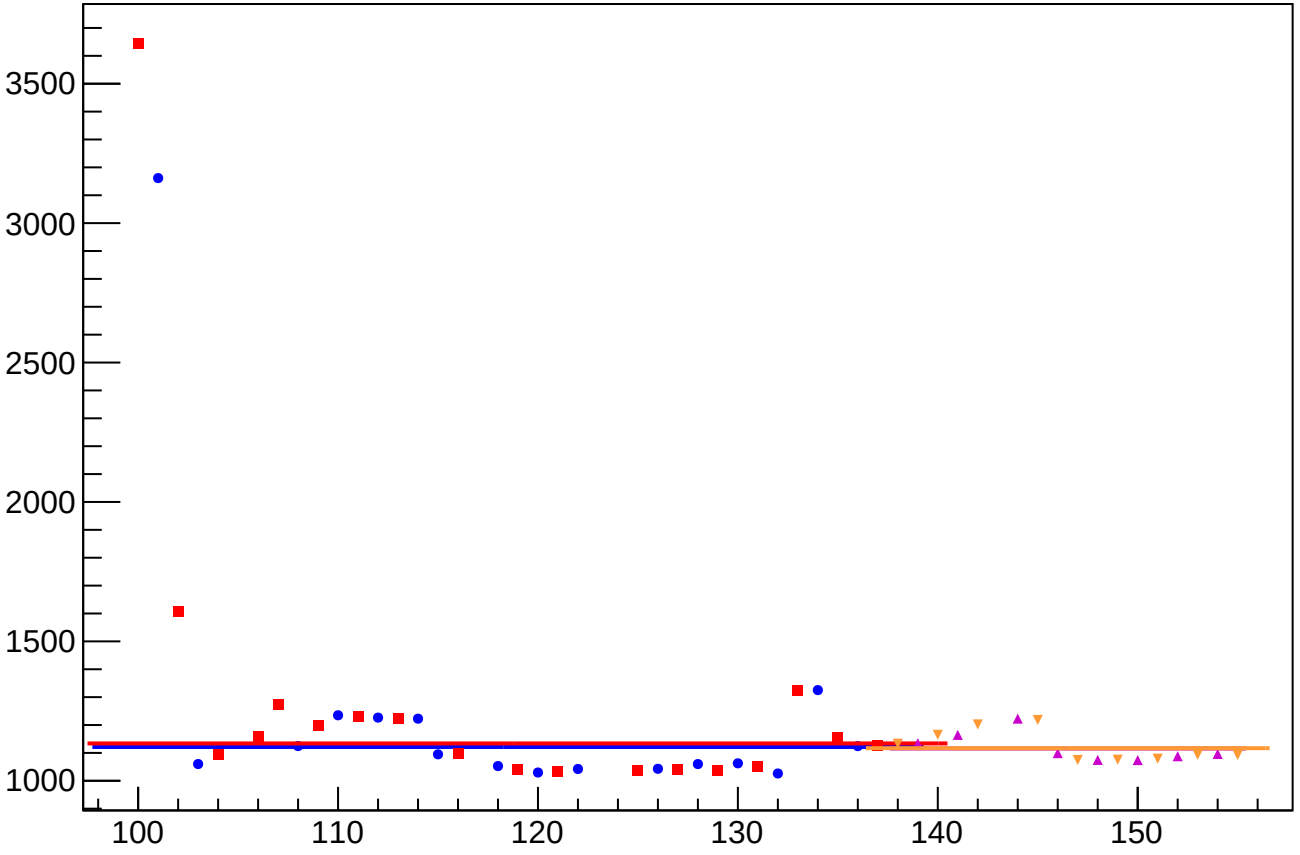
Left In: -98.409+/-421.494 χ^2/NDF:9.5/7

+ sign -8.083+/-299.802 χ^2/NDF: 23.3/24

All: -101.825+/-212.508 χ^2/NDF: 51.8/50

- sign -196.484+/-301.266 χ^2/NDF: 28.3/25

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: 1116.922+/-0.298 χ^2/NDF:27499.6/8

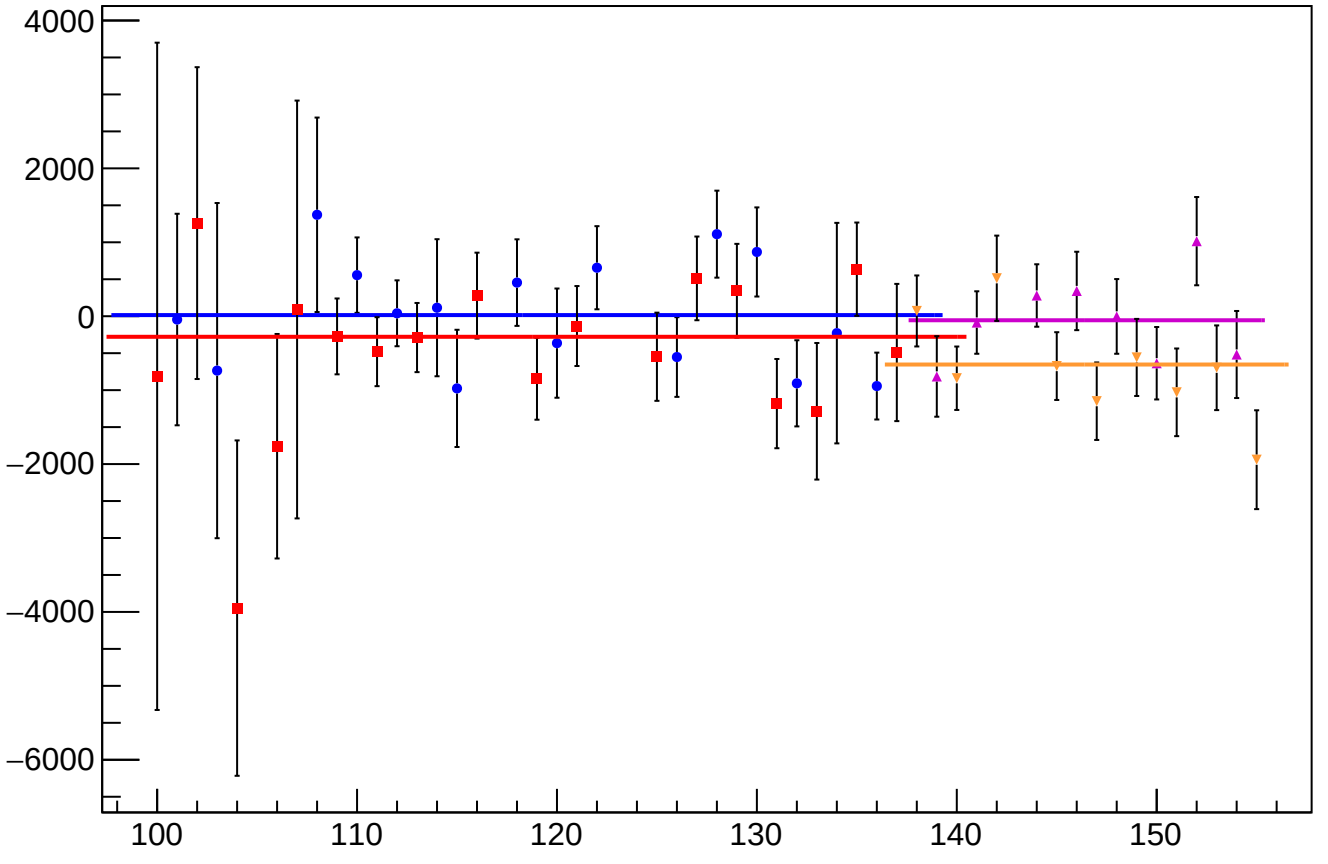
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1115.789+/-0.298 χ^2/NDF:24630.7/7

+ sign 1119.081+/-0.212 χ^2/NDF: 644634.3/24

All: 1121.858+/-0.150 χ^2/NDF: 898878.8/50

- sign 1124.662+/-0.213 χ^2/NDF: 253899.7/25



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -653.423+/-174.113 χ^2/NDF:11.6/8

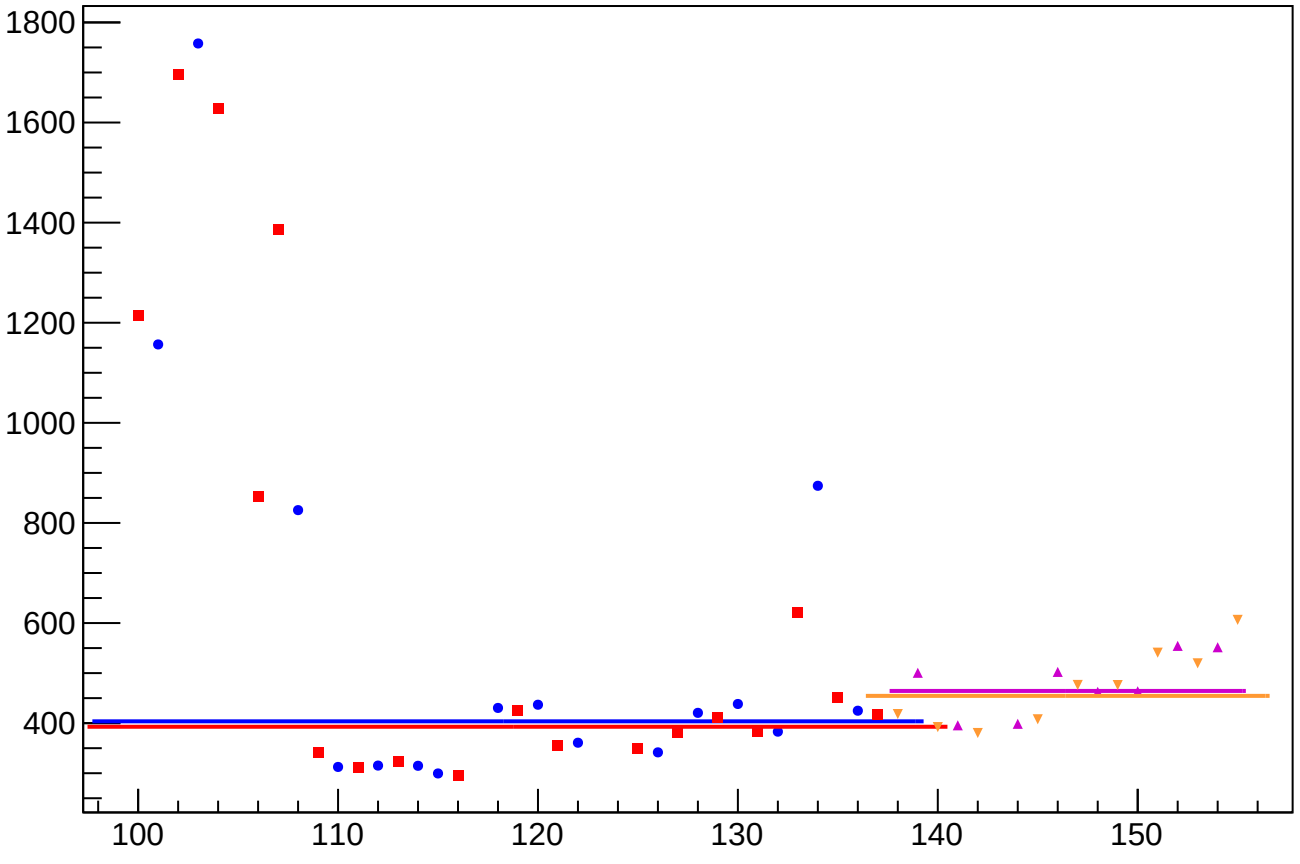
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -54.673+/-177.034 χ^2/NDF:8.4/7

+ sign -294.680+/-118.541 χ^2/NDF: 39.1/24

All: -236.456+/-83.708 χ^2/NDF: 64.0/50

- sign -178.546+/-118.222 χ^2/NDF: 24.3/25



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 454.517+/-0.123 χ^2/NDF:285848.1/8

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

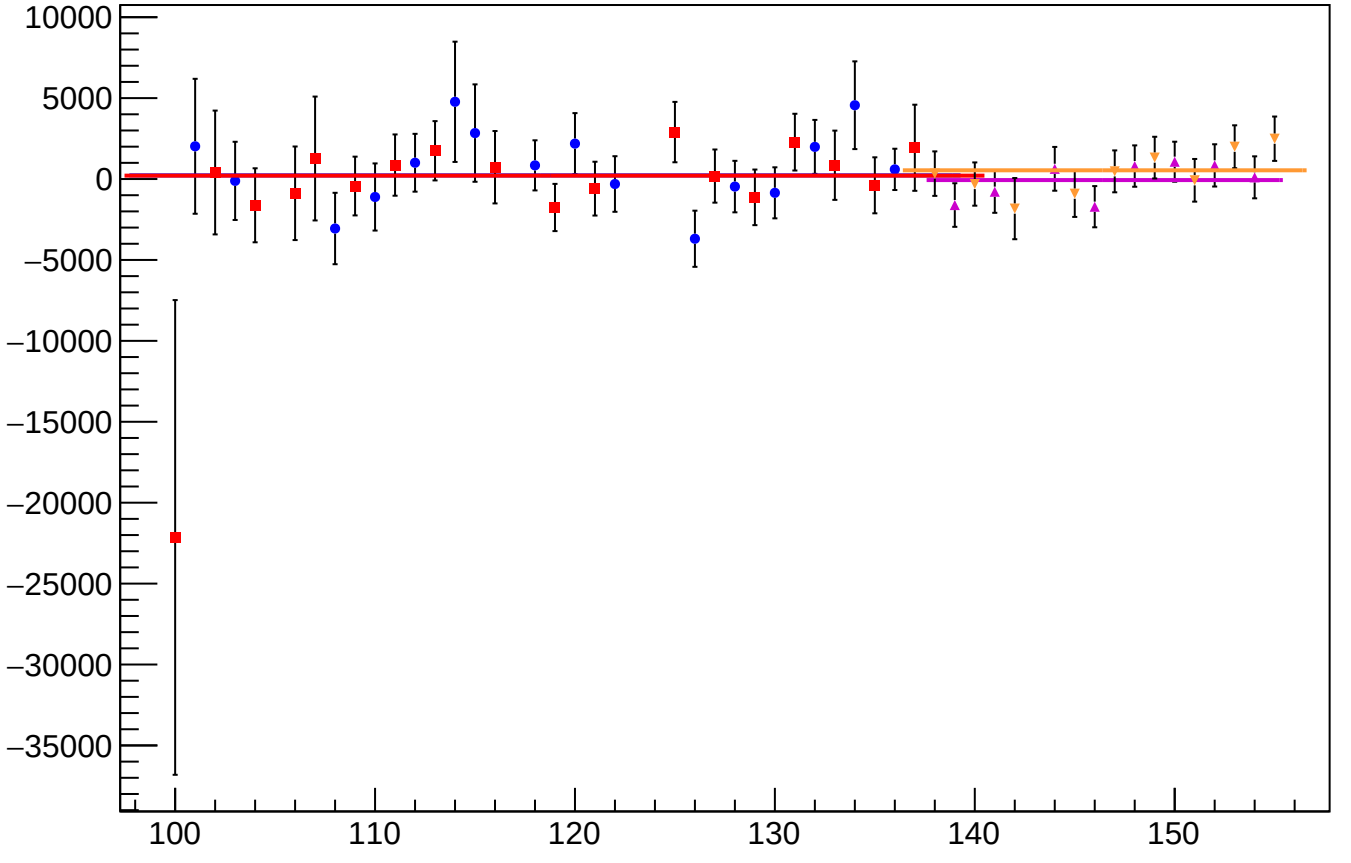
Left In: 464.383+/-0.125 χ^2/NDF:209782.5/7

+ sign 427.230+/-0.084 χ^2/NDF: 2307010.4/24

All: 425.978+/-0.059 χ^2/NDF: 4901787.0/50

- sign 424.732+/-0.084 χ^2/NDF: 2594331.4/25

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 539.220+/-459.761 χ^2/NDF:6.8/8

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

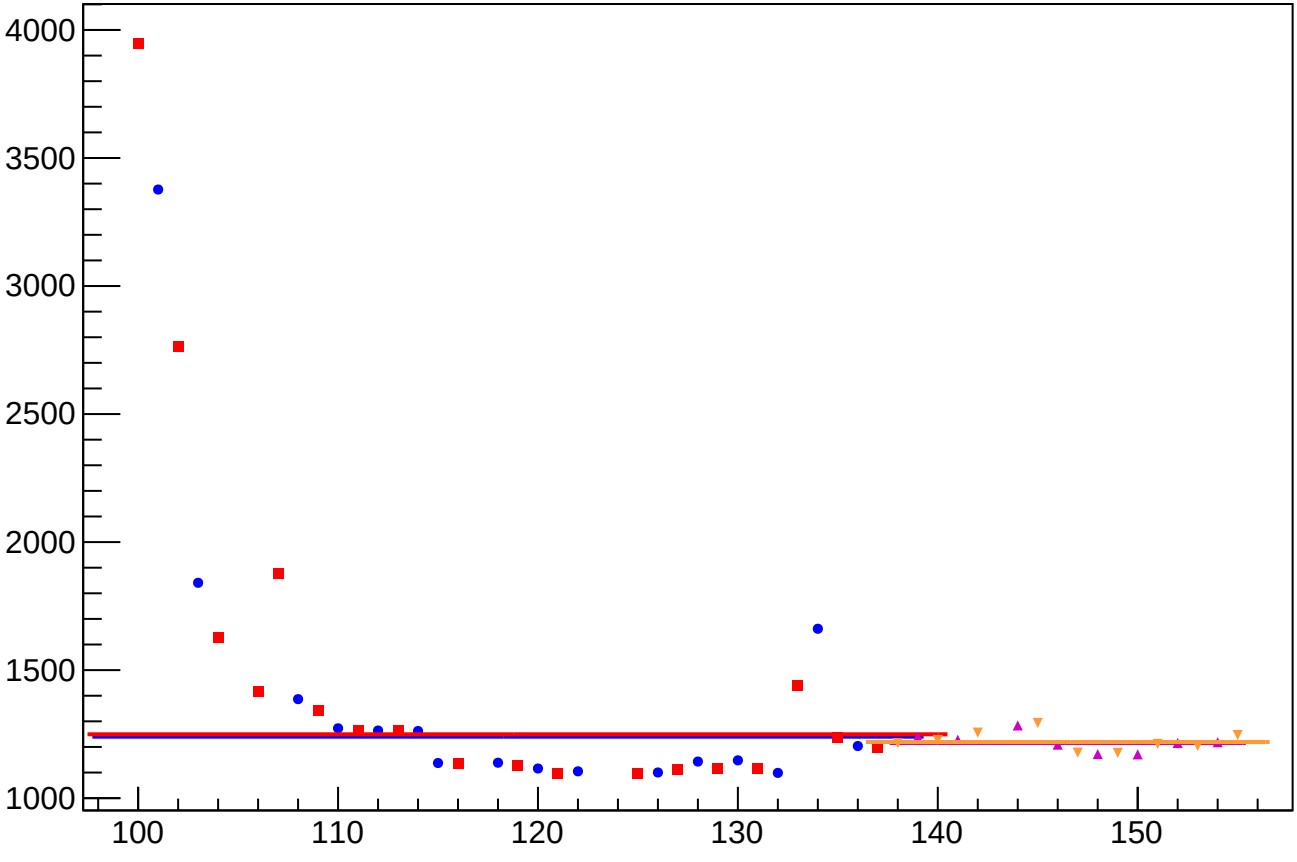
Left In: -64.711+/-458.925 χ^2/NDF:5.3/7

+ sign 386.997+/-330.208 χ^2/NDF: 23.2/24

All: 227.369+/-233.767 χ^2/NDF: 40.1/50

- sign 66.986+/-330.987 χ^2/NDF: 16.5/25

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1219.244+/-0.325 χ^2/NDF:11514.9/8

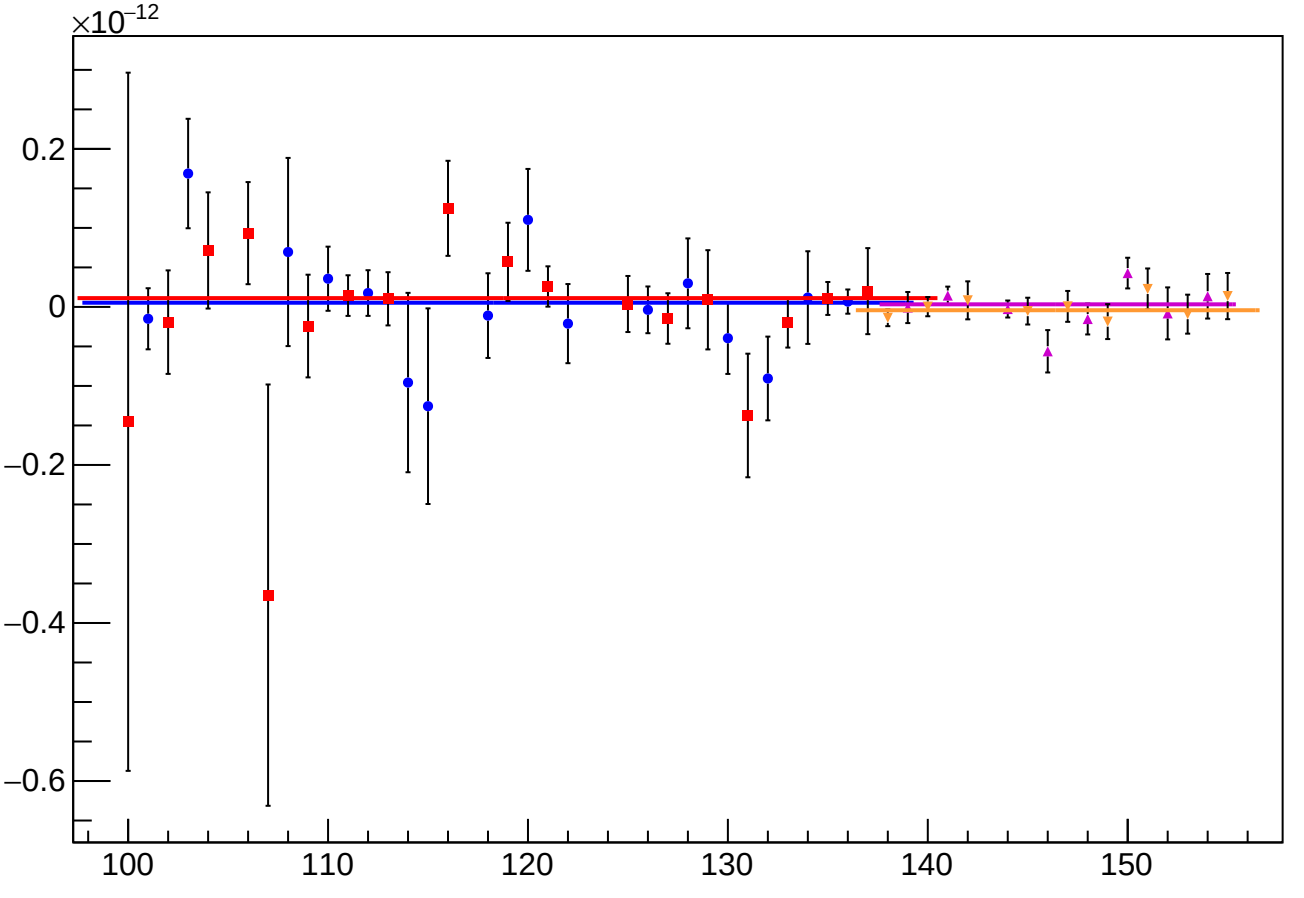
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1215.442+/-0.325 χ^2/NDF:10840.2/7

+ sign 1229.361+/-0.233 χ^2/NDF: 796194.9/24

All: 1230.548+/-0.165 χ^2/NDF: 1418443.9/50

- sign 1231.741+/-0.234 χ^2/NDF: 622197.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/8

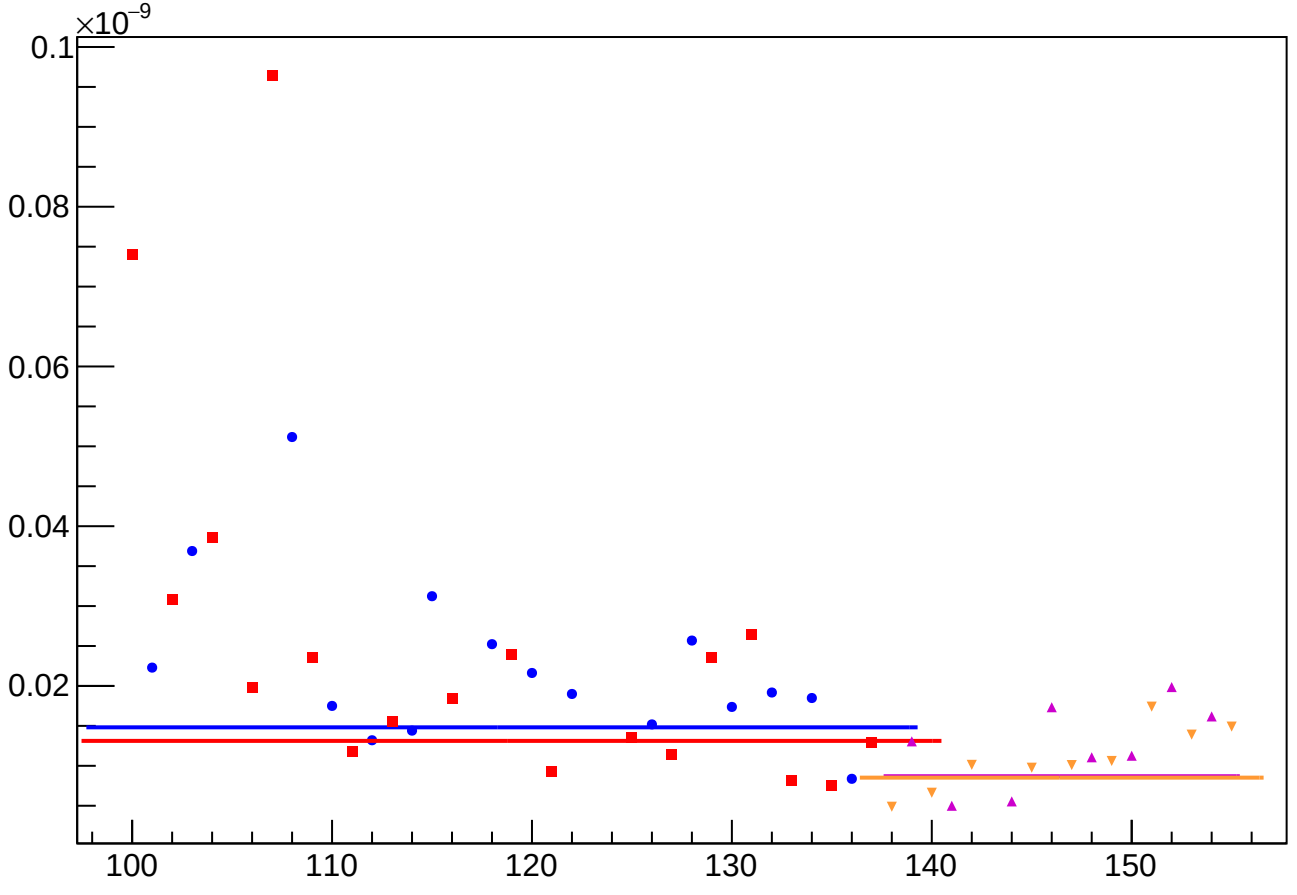
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:11.5/7

\+ sign -0.000+/-0.000 χ^2/NDF: 20.3/24

All: 0.000+/-0.000 χ^2/NDF: 48.4/50

\- sign 0.000+/-0.000 χ^2/NDF: 27.1/25



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:758492.6/8

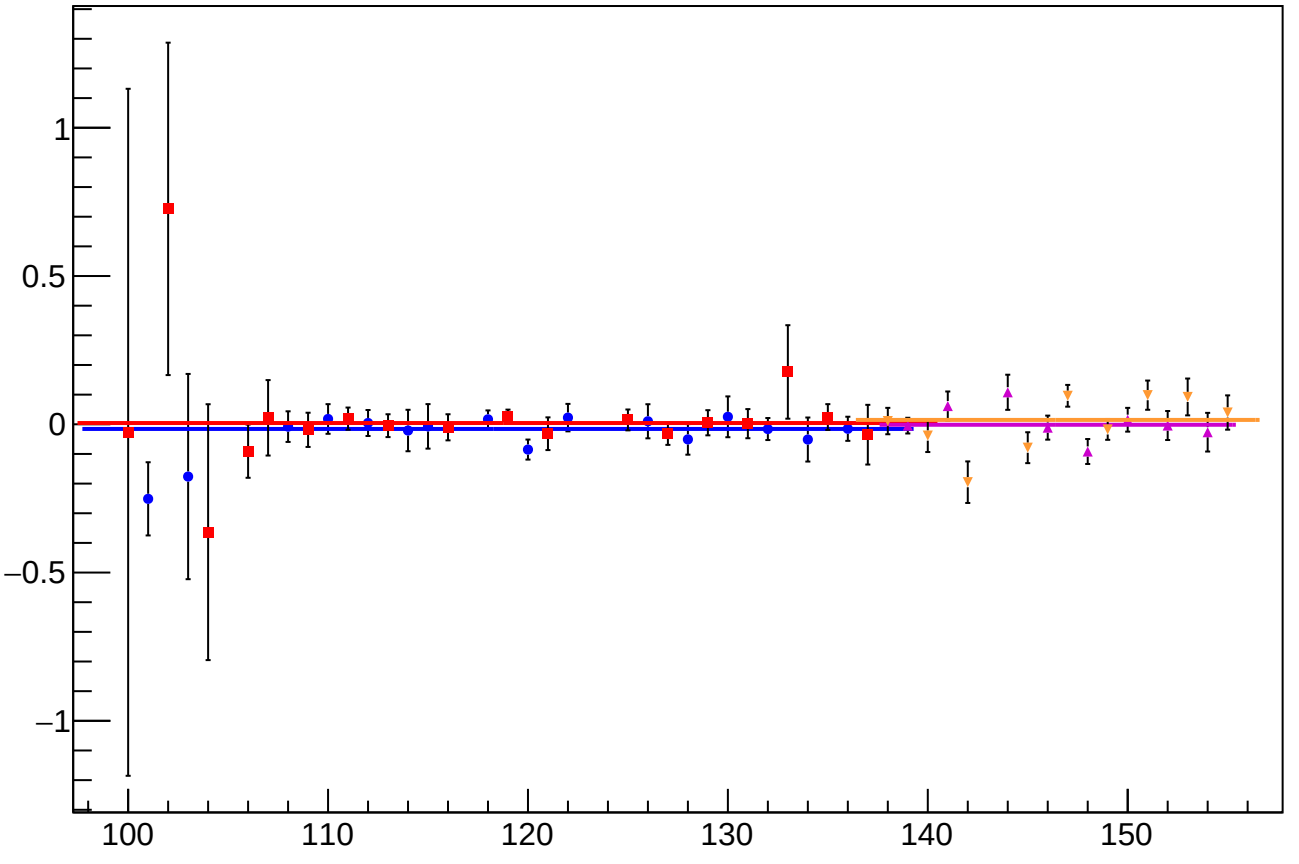
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1126098.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 2465944.2/24

All: 0.000+/-0.000 χ^2/NDF: 5091949.6/50

- sign 0.000+/-0.000 χ^2/NDF: 2624275.8/25



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.015+/-0.016 χ^2/NDF:23.5/8

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

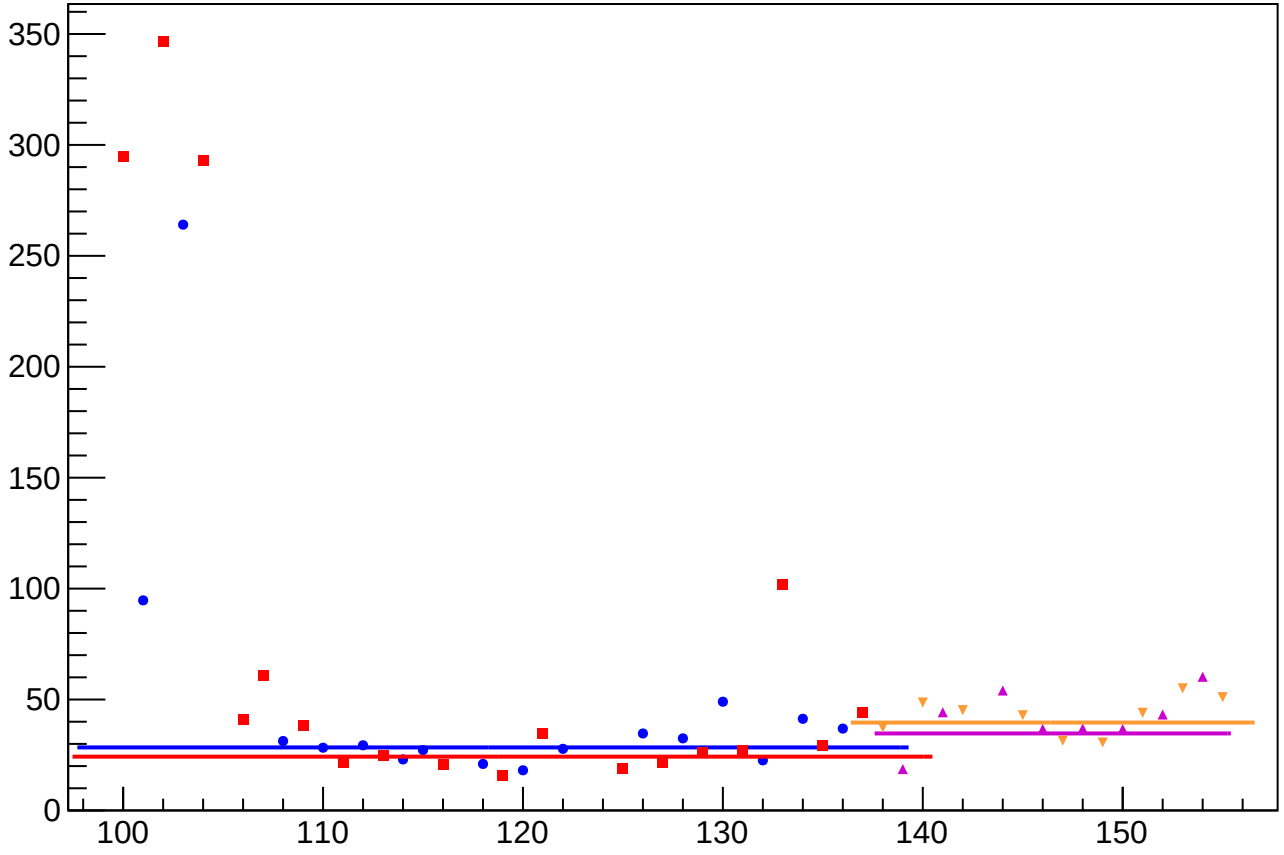
Left In: -0.002+/-0.015 χ^2/NDF:10.1/7

+ sign -0.004+/-0.010 χ^2/NDF: 37.7/24

All: -0.001+/-0.007 χ^2/NDF: 55.9/50

- sign 0.002+/-0.009 χ^2/NDF: 18.0/25

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 39.626+/-0.011 χ^2/NDF:526334.4/8

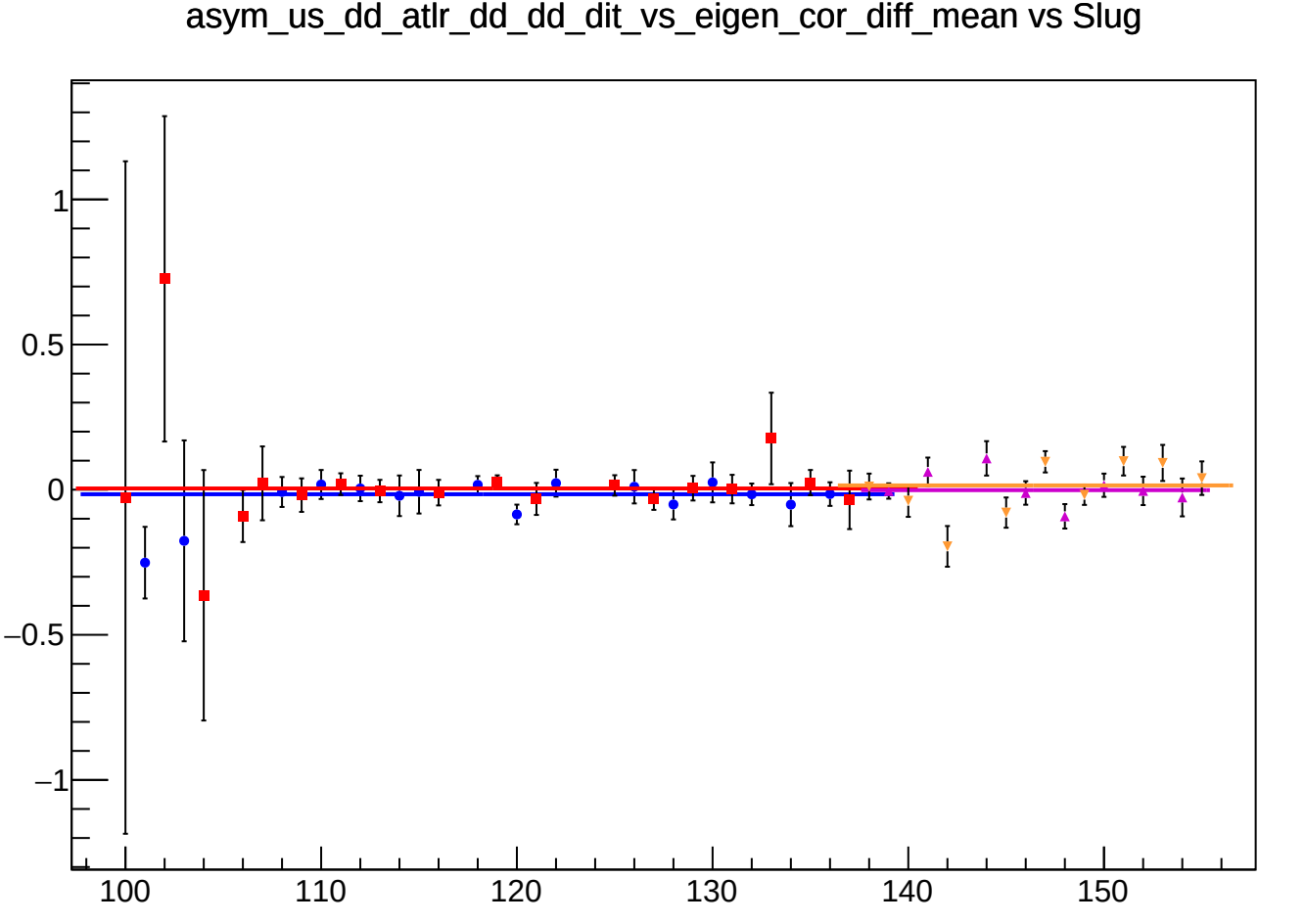
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.716+/-0.010 χ^2/NDF:1406778.3/7

+ sign 32.592+/-0.007 χ^2/NDF: 3391070.0/24

All: 30.217+/-0.005 χ^2/NDF: 8558537.0/50

- sign 28.171+/-0.006 χ^2/NDF: 4946499.7/25



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.015+/-0.016 χ^2/NDF:23.5/8

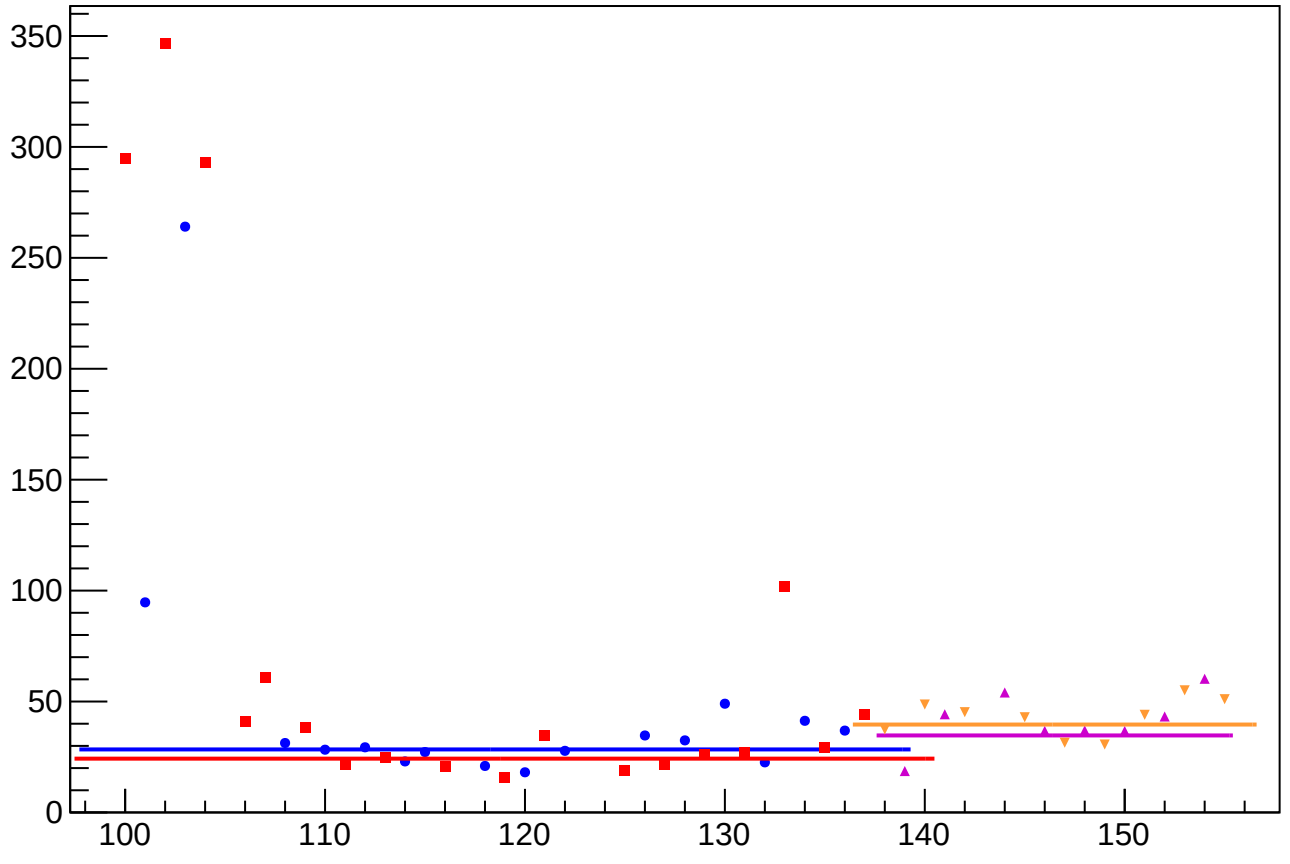
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.002+/-0.015 χ^2/NDF:10.1/7

+ sign -0.004+/-0.010 χ^2/NDF: 37.7/24

All: -0.001+/-0.007 χ^2/NDF: 55.9/50

- sign 0.002+/-0.009 χ^2/NDF: 18.0/25



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 39.626+/-0.011 χ^2/NDF:526334.4/8

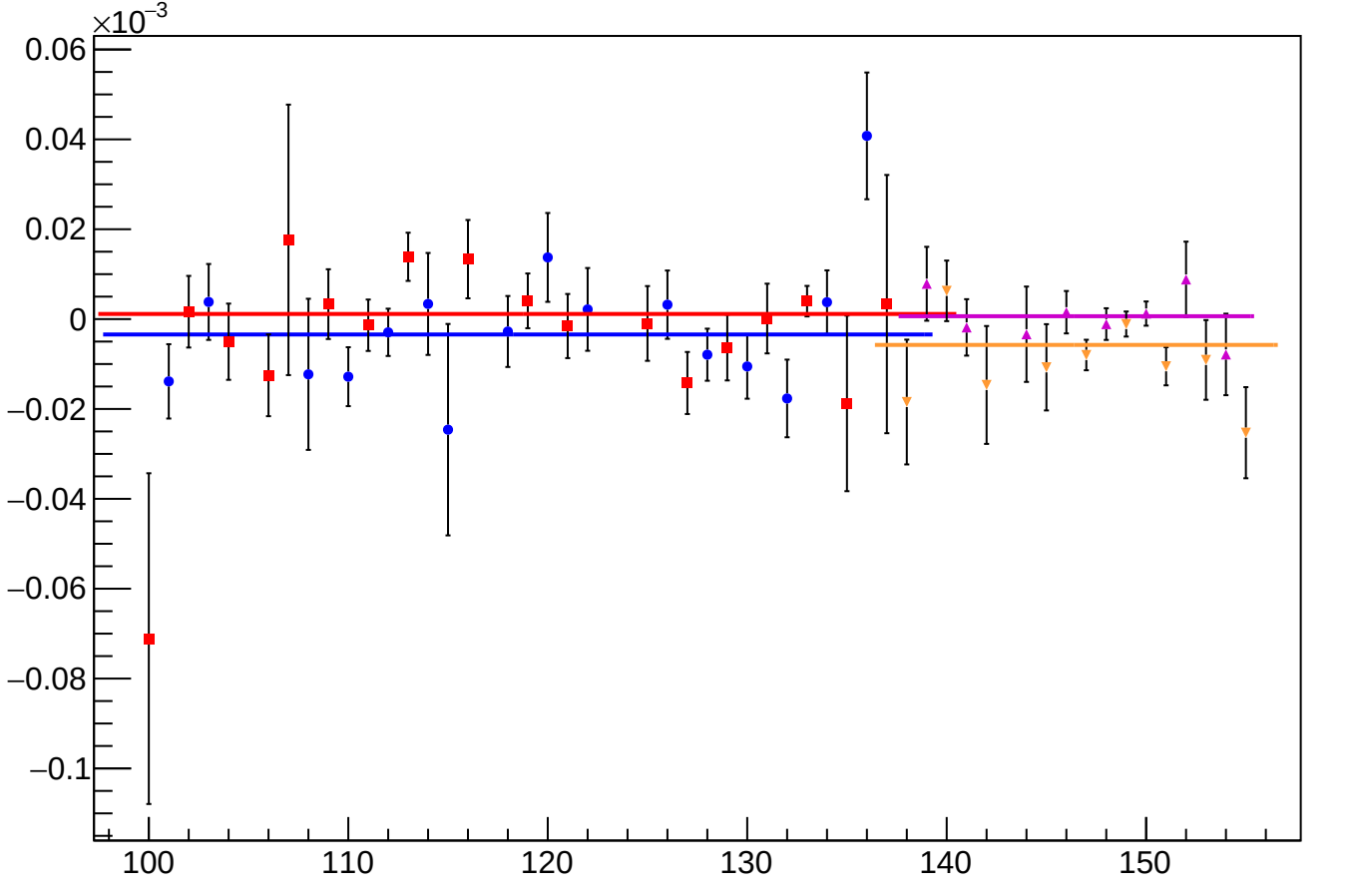
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.716+/-0.010 χ^2/NDF:1406778.3/7

+ sign 32.592+/-0.007 χ^2/NDF: 3391070.0/24

All: 30.217+/-0.005 χ^2/NDF: 8558537.0/50

- sign 28.171+/-0.006 χ^2/NDF: 4946499.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/8

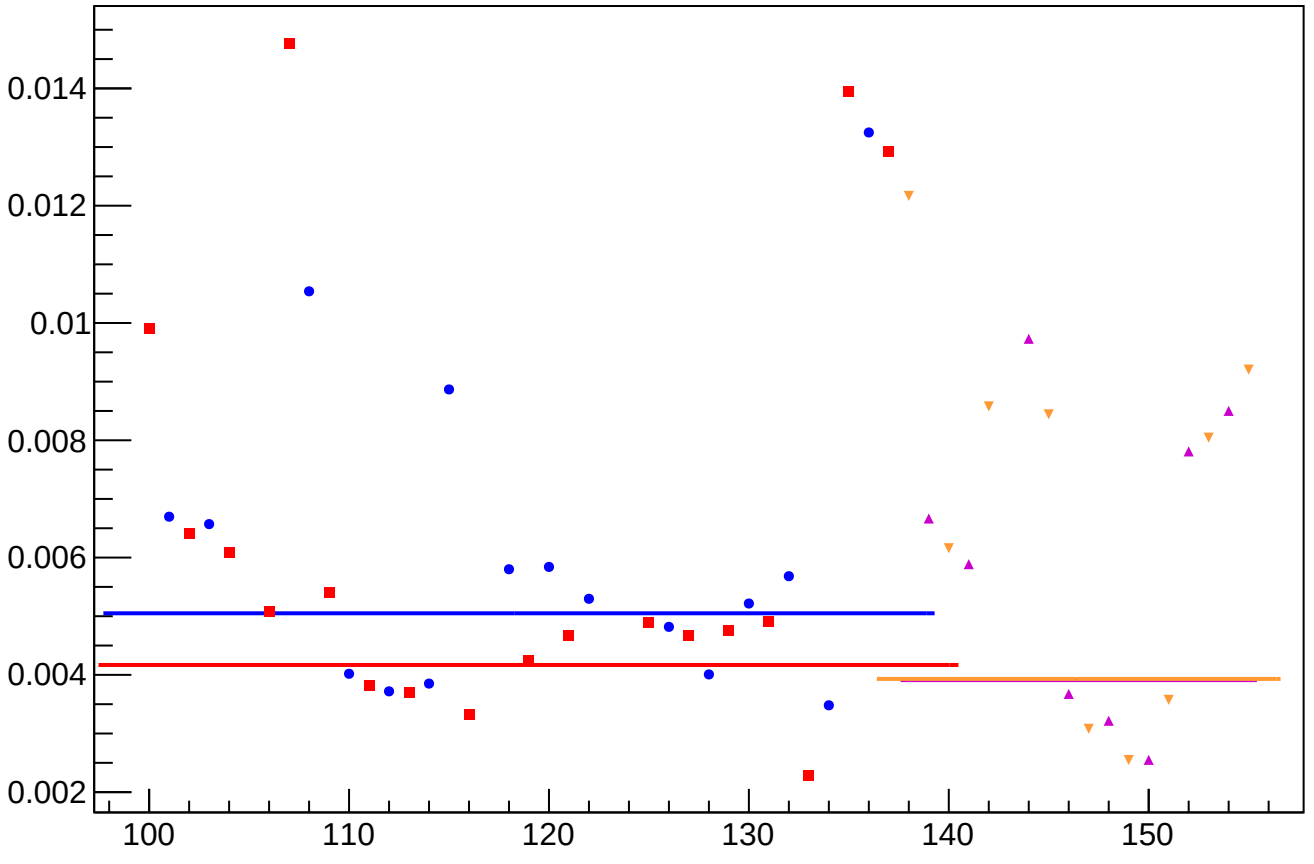
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/24

All: -0.000+/-0.000 χ^2/NDF: 75.3/50

- sign 0.000+/-0.000 χ^2/NDF: 26.3/25



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3217565.2/8

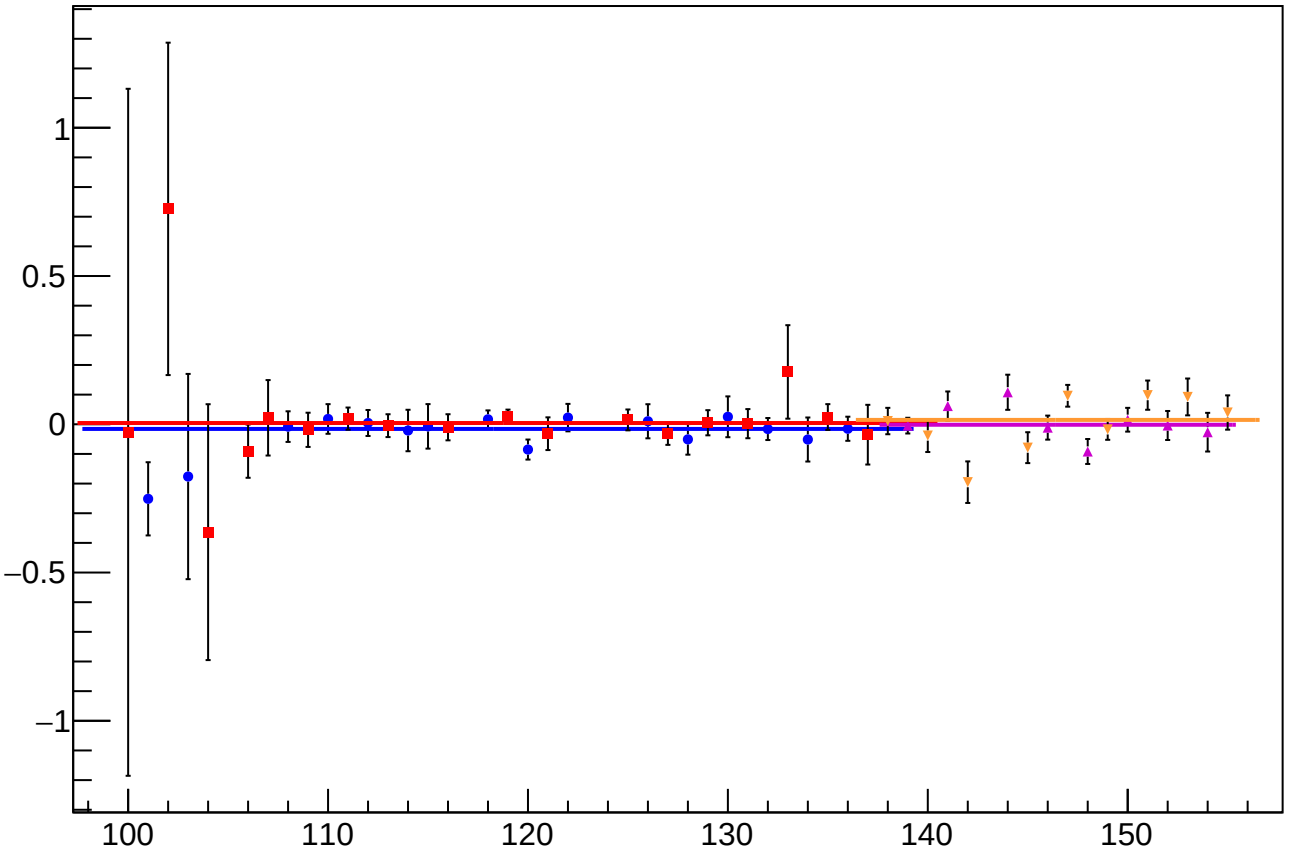
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:2558215.5/7

+ sign 0.004+/-0.000 χ^2/NDF: 5066272.5/24

All: 0.004+/-0.000 χ^2/NDF: 9770570.6/50

- sign 0.004+/-0.000 χ^2/NDF: 4622975.0/25



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.015+/-0.016 χ^2/NDF:23.5/8

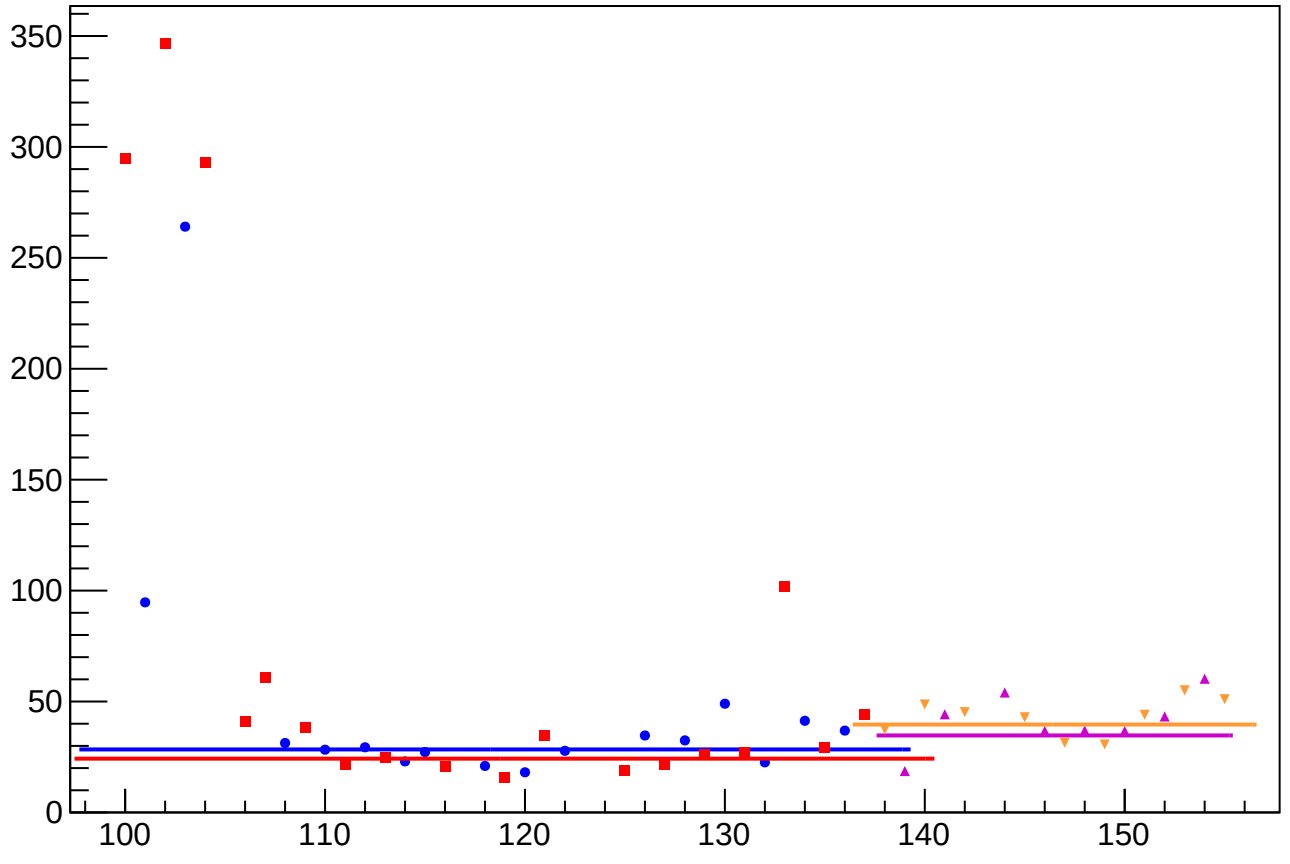
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.002+/-0.015 χ^2/NDF:10.1/7

+ sign -0.004+/-0.010 χ^2/NDF: 37.7/24

All: -0.001+/-0.007 χ^2/NDF: 55.9/50

- sign 0.002+/-0.009 χ^2/NDF: 18.0/25



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 39.625+/-0.011 χ^2/NDF:526582.8/8

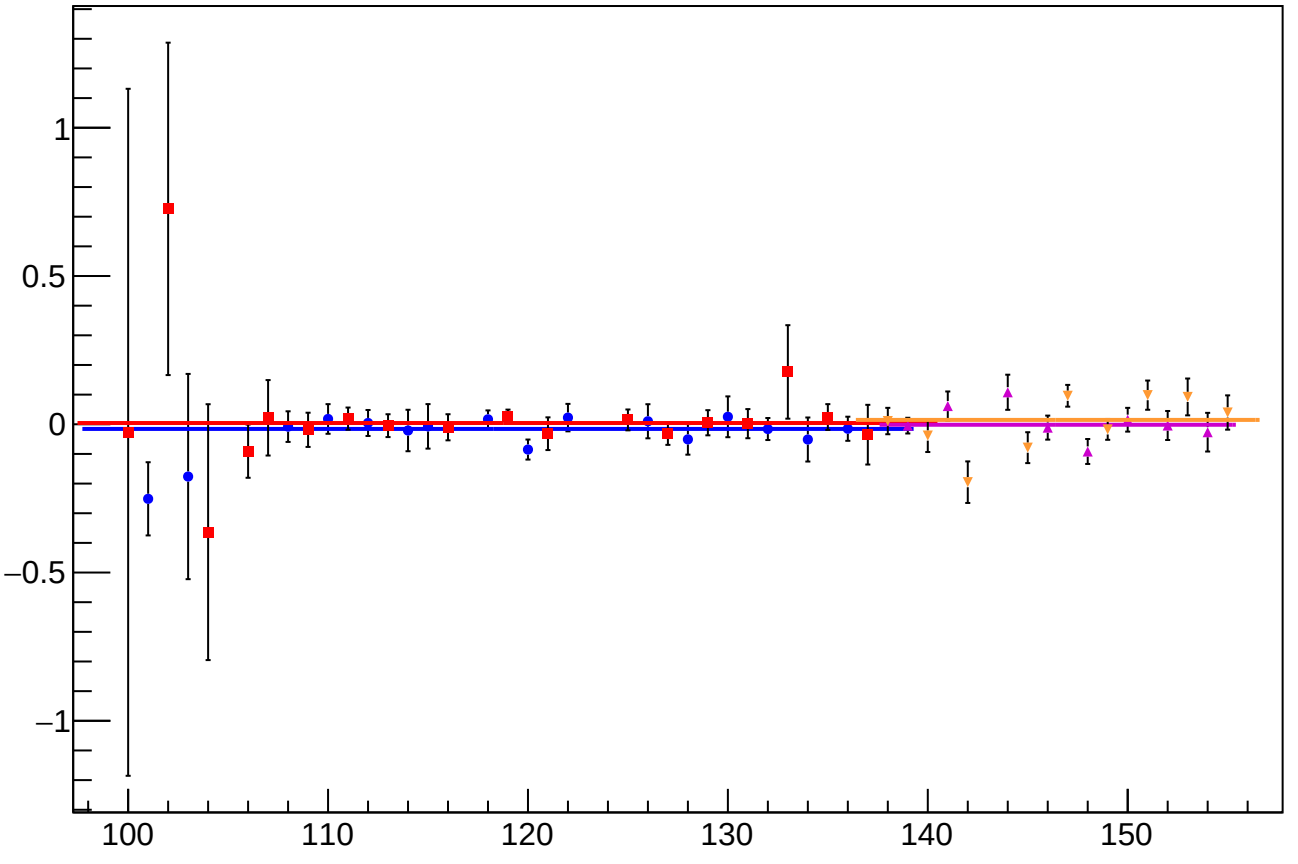
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.714+/-0.010 χ^2/NDF:1407297.7/7

+ sign 32.591+/-0.007 χ^2/NDF: 3391259.8/24

All: 30.216+/-0.005 χ^2/NDF: 8559630.5/50

- sign 28.170+/-0.006 χ^2/NDF: 4947240.7/25



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.015+/-0.016 χ^2/NDF:23.5/8

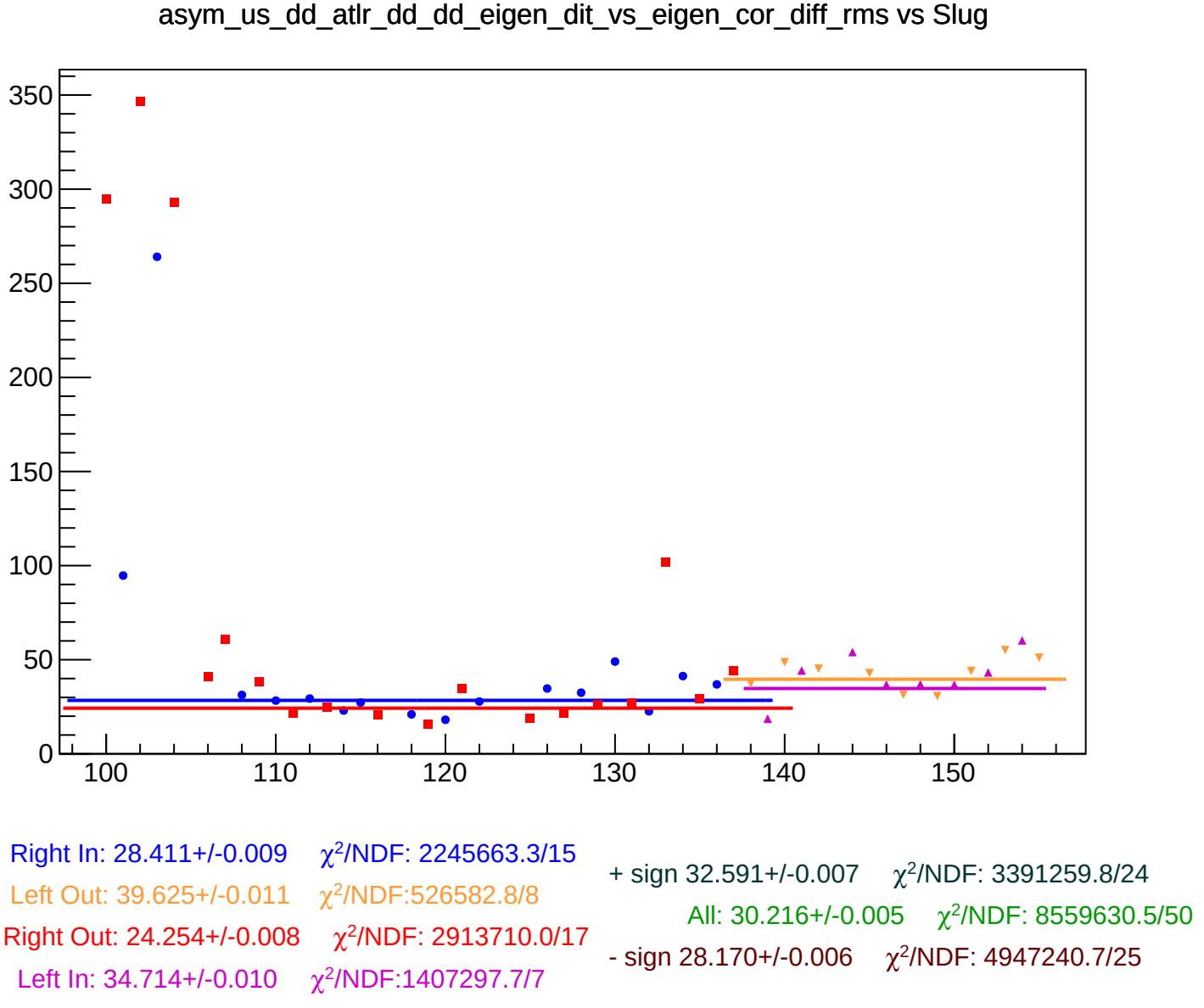
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

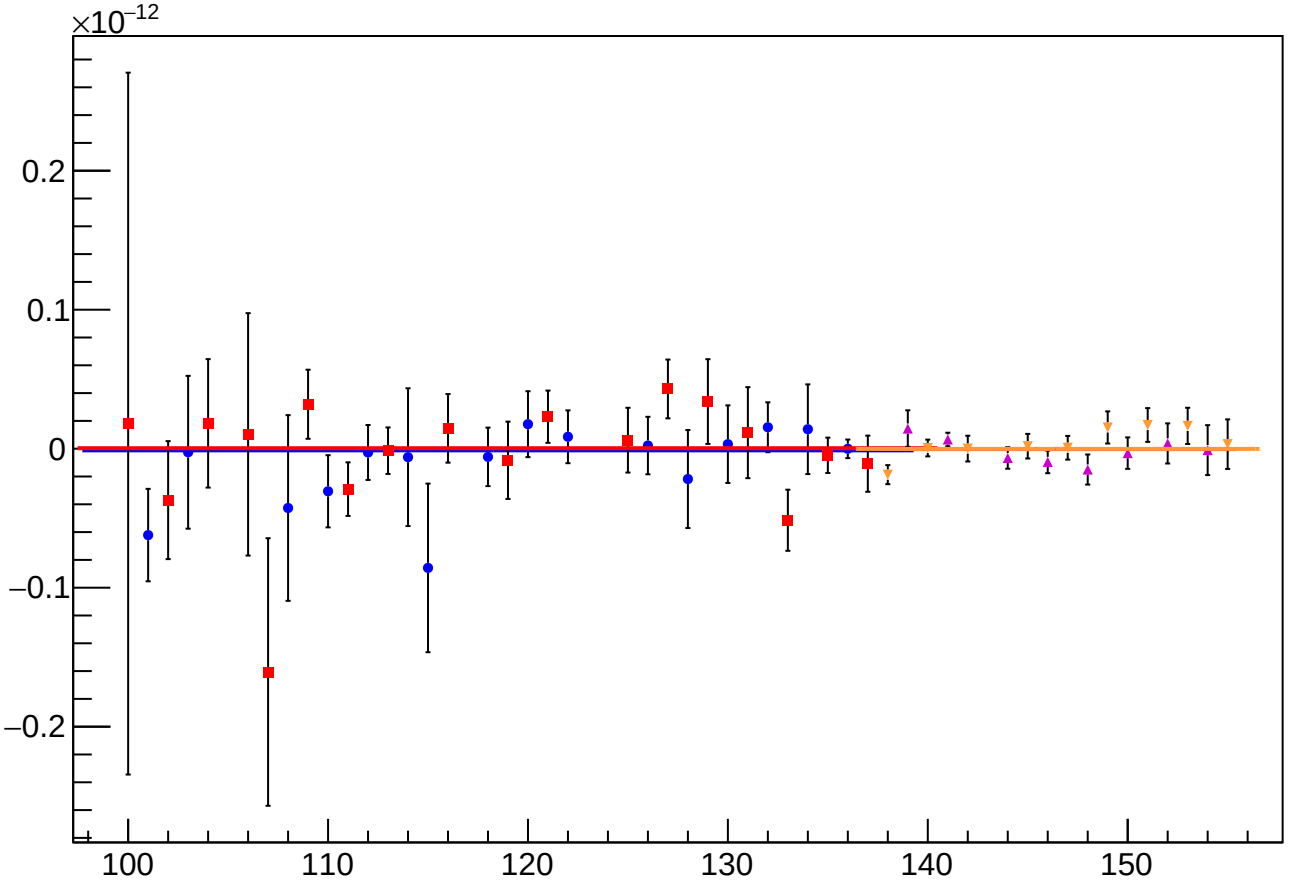
Left In: -0.002+/-0.015 χ^2/NDF:10.1/7

+ sign -0.004+/-0.010 χ^2/NDF: 37.7/24

All: -0.001+/-0.007 χ^2/NDF: 55.9/50

- sign 0.002+/-0.009 χ^2/NDF: 18.0/25


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 39.625+/-0.011 χ²/NDF:526582.8/8
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 34.714+/-0.010 χ²/NDF:1407297.7/7
+ sign 32.591+/-0.007 χ²/NDF: 3391259.8/24
All: 30.216+/-0.005 χ²/NDF: 8559630.5/50
- sign 28.170+/-0.006 χ²/NDF: 4947240.7/25



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/8

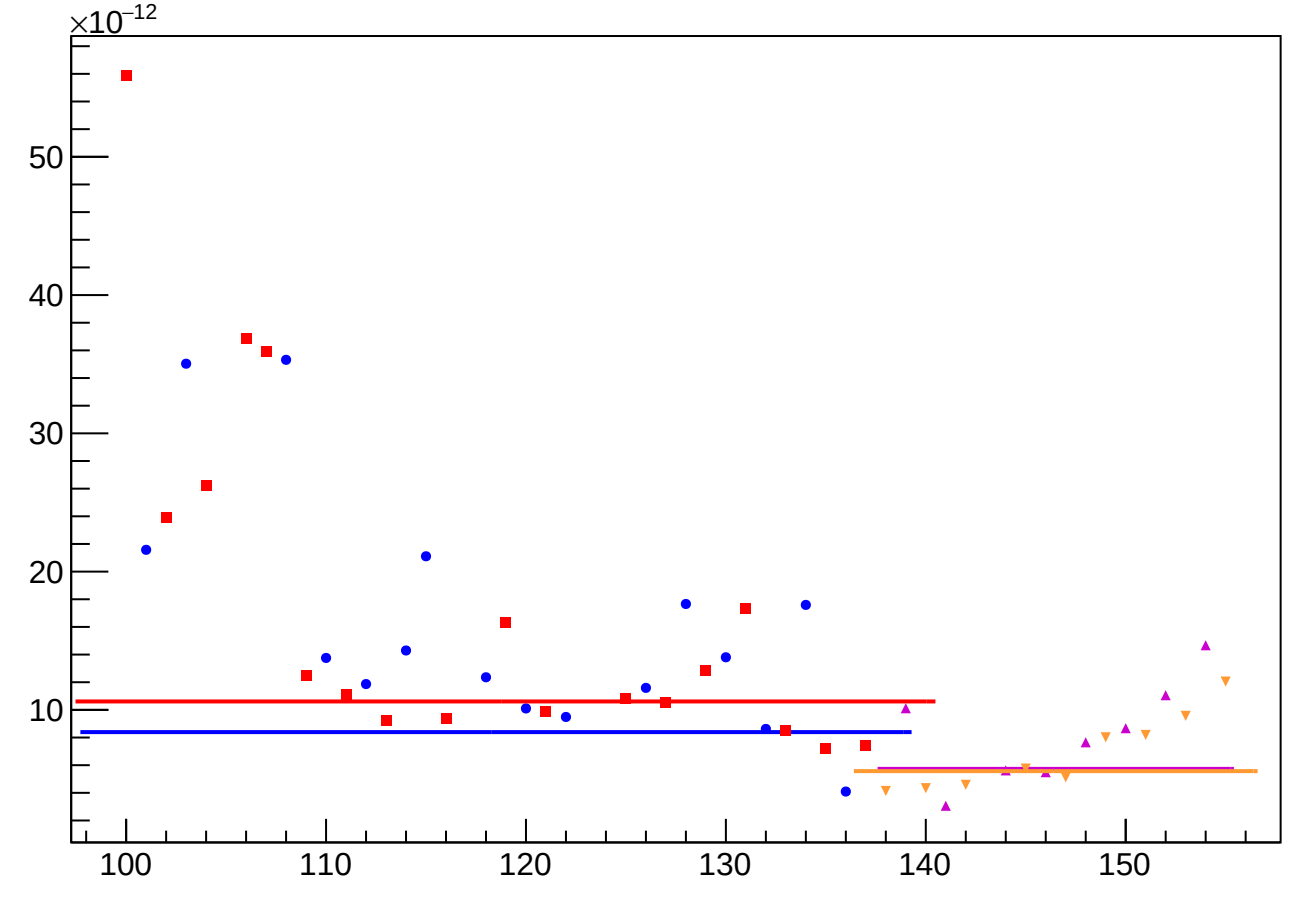
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.2/7

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/24

All: -0.000+/-0.000 χ^2/NDF: 50.6/50

- sign -0.000+/-0.000 χ^2/NDF: 28.3/25



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:835793.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

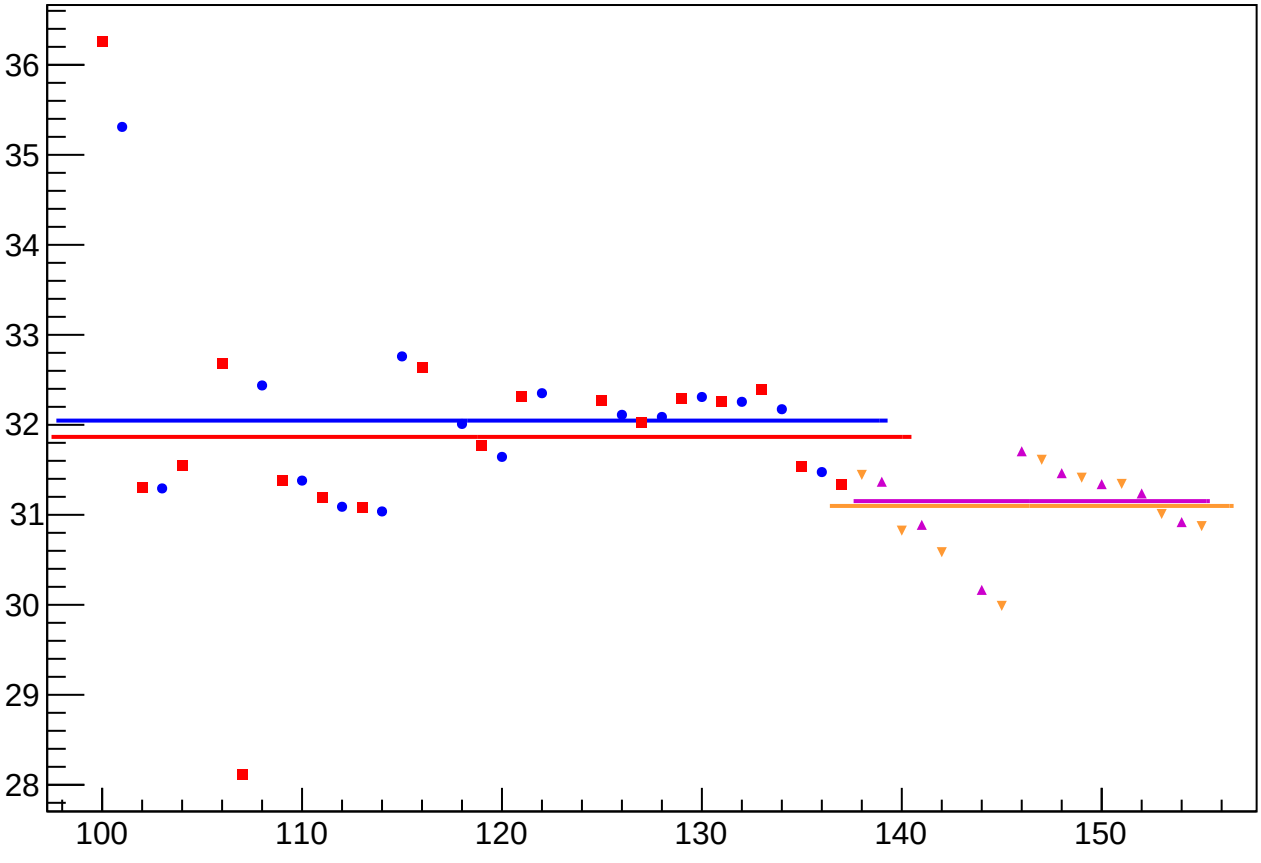
Left In: 0.000+/-0.000 χ^2/NDF:1792998.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 4045627.0/24

All: 0.000+/-0.000 χ^2/NDF: 8264541.3/50

- sign 0.000+/-0.000 χ^2/NDF: 4182595.5/25

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.099+/-0.000 χ^2/NDF:192981695.8/8

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

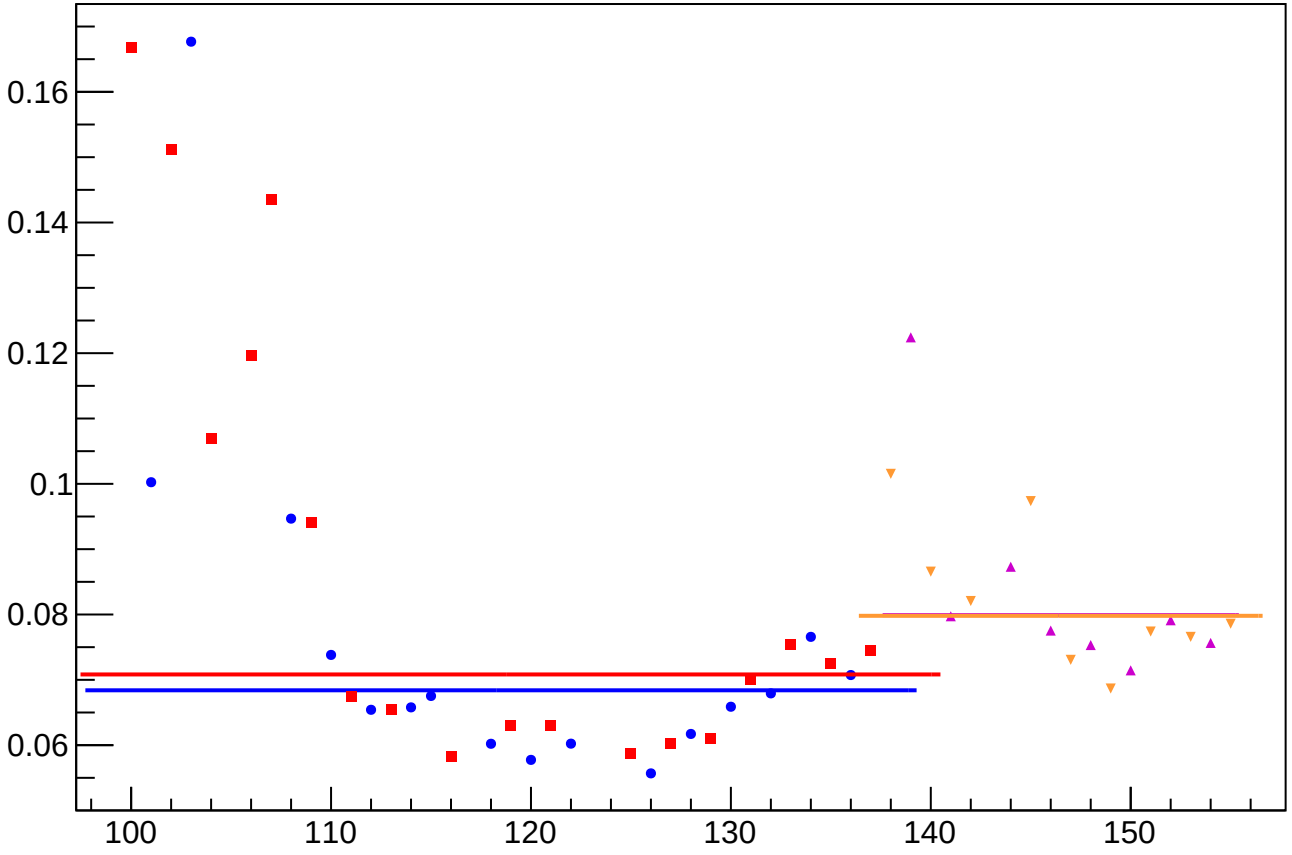
Left In: 31.152+/-0.000 χ^2/NDF:180553405.5/7

+ sign 31.645+/-0.000 χ^2/NDF: 1601021183.2/24

All: 31.600+/-0.000 χ^2/NDF: 2554495982.0/5

- sign 31.553+/-0.000 χ^2/NDF: 943761098.3/25

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.080+/-0.000 χ^2/NDF:180666.9/8

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

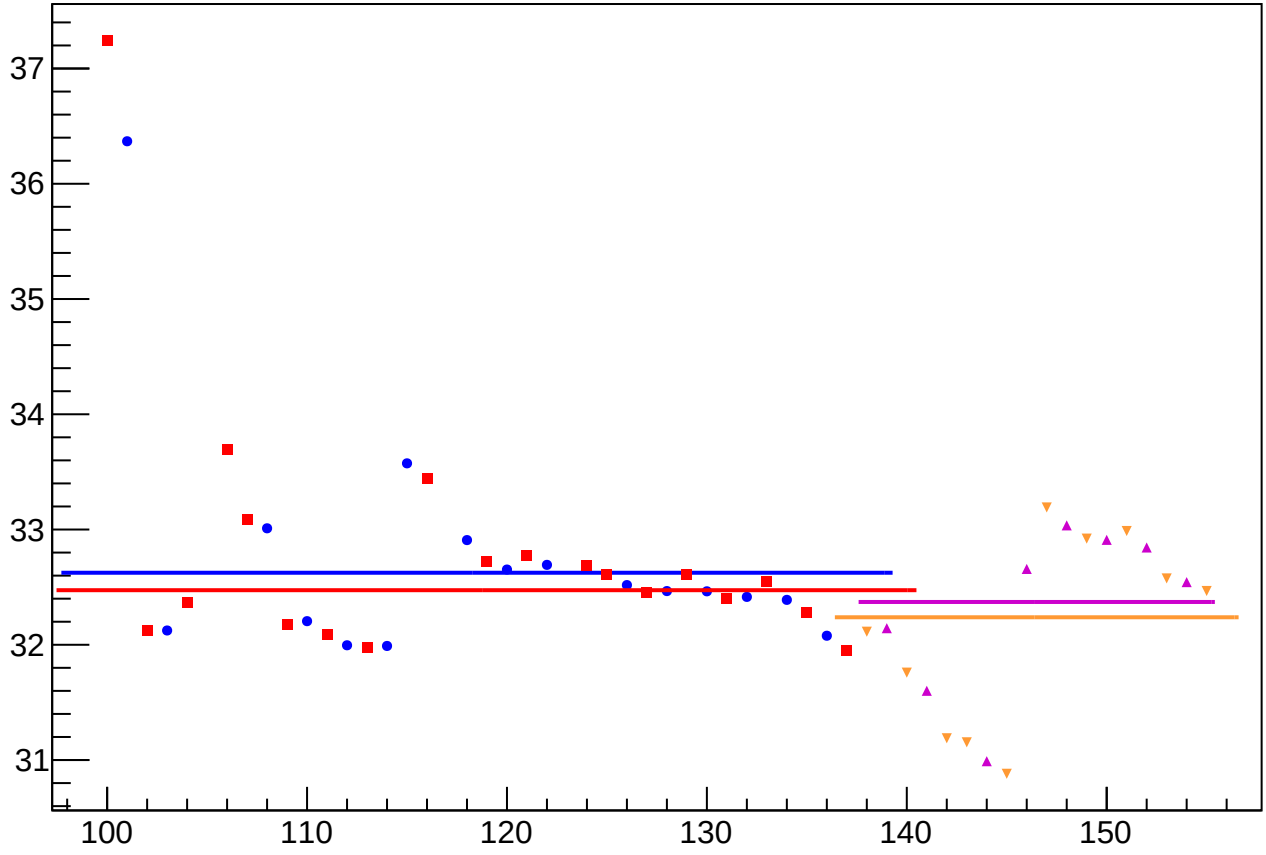
Left In: 0.080+/-0.000 χ^2/NDF:236967.8/7

+ sign 0.073+/-0.000 χ^2/NDF: 1031161.2/24

All: 0.074+/-0.000 χ^2/NDF: 2231775.1/50

- sign 0.075+/-0.000 χ^2/NDF: 1194953.2/25

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.239+/-0.000 χ^2/NDF:741024514.1/9

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

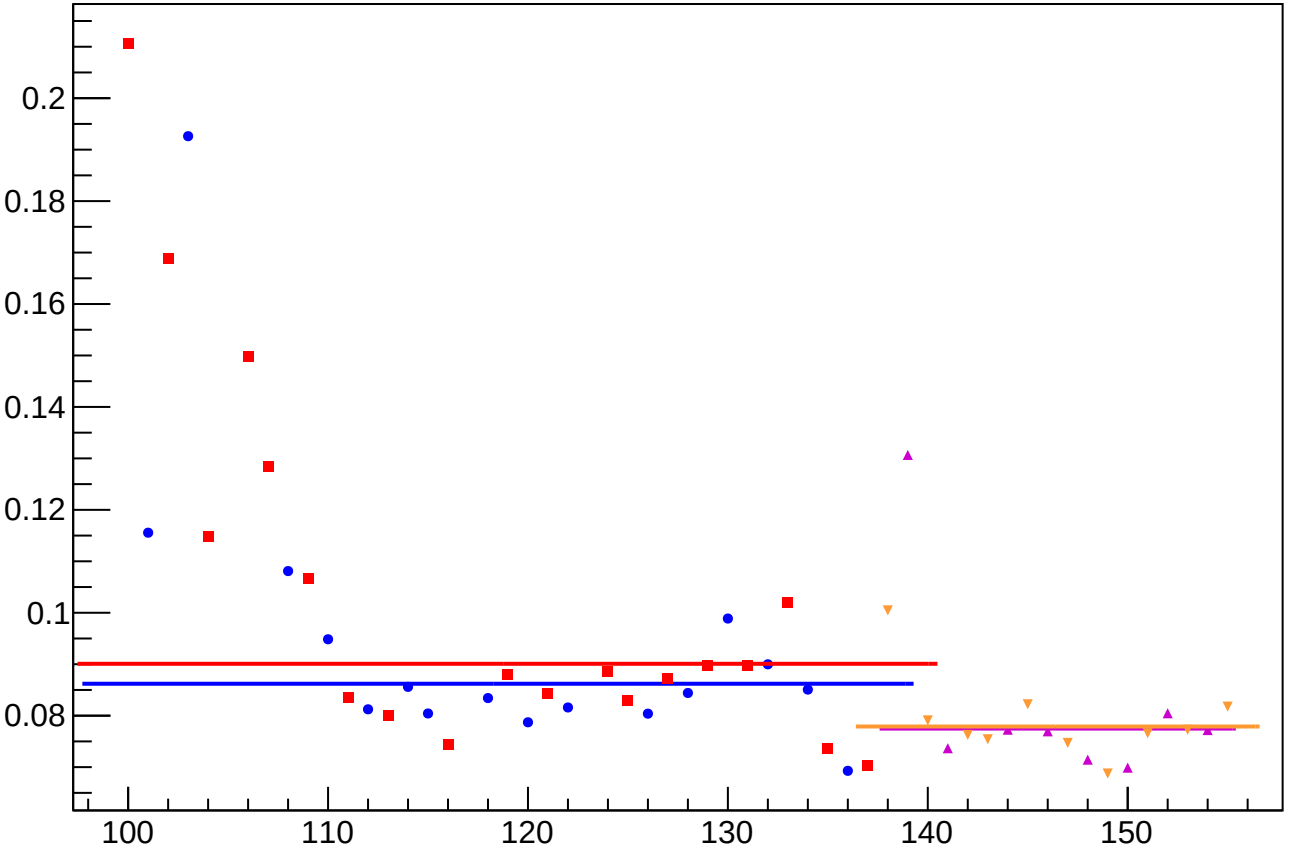
Left In: 32.371+/-0.000 χ^2/NDF:512903544.3/7

\+ sign 32.401+/-0.000 χ^2/NDF: 1553144540.7/25

All: 32.408+/-0.000 χ^2/NDF: 2227761047.1/5

\- sign 32.415+/-0.000 χ^2/NDF: 674430795.9/26

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:112904.2/9

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

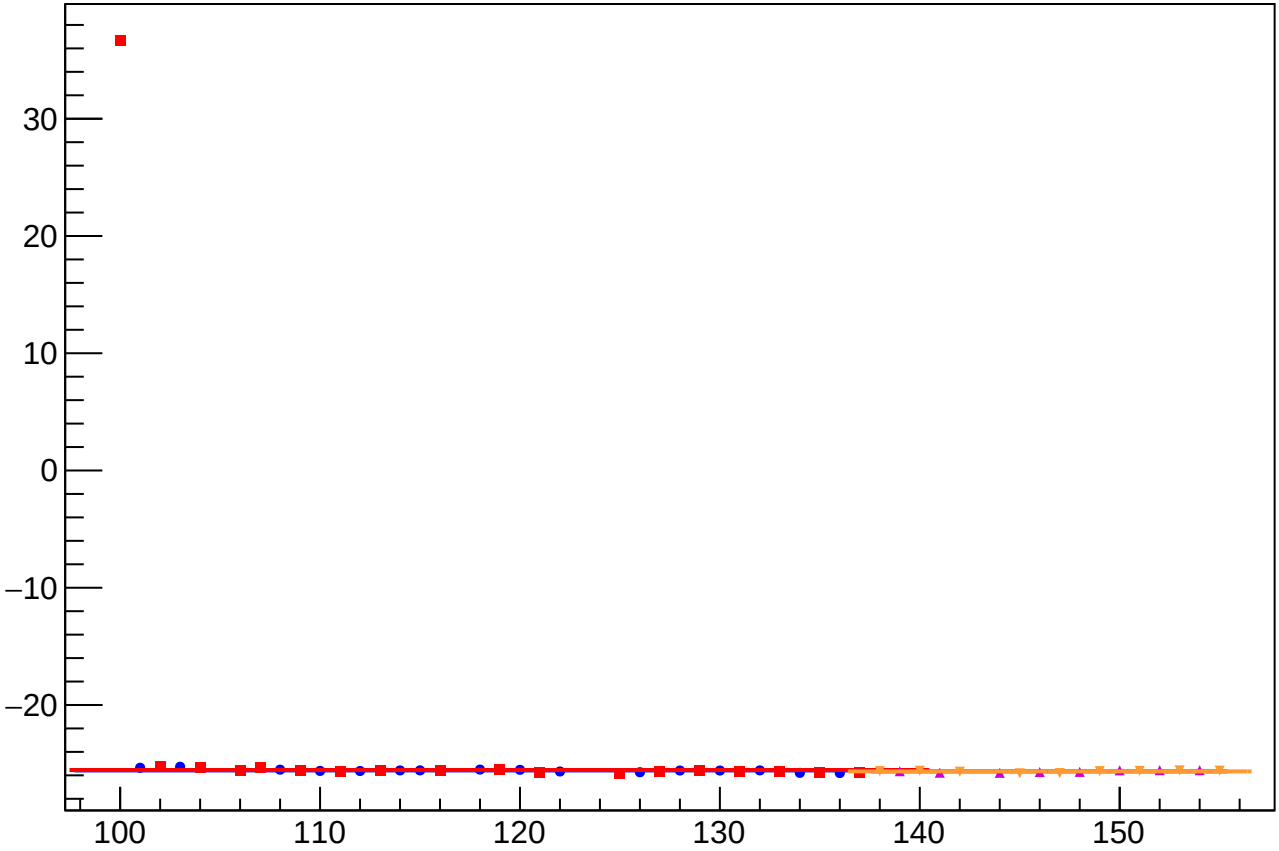
Left In: 0.077+/-0.000 χ^2/NDF:307953.1/7

+ sign 0.081+/-0.000 χ^2/NDF: 779099.1/25

All: 0.082+/-0.000 χ^2/NDF: 1856845.9/52

- sign 0.083+/-0.000 χ^2/NDF: 1073395.5/26

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.662+/-0.000 χ^2/NDF:27868137.8/8

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

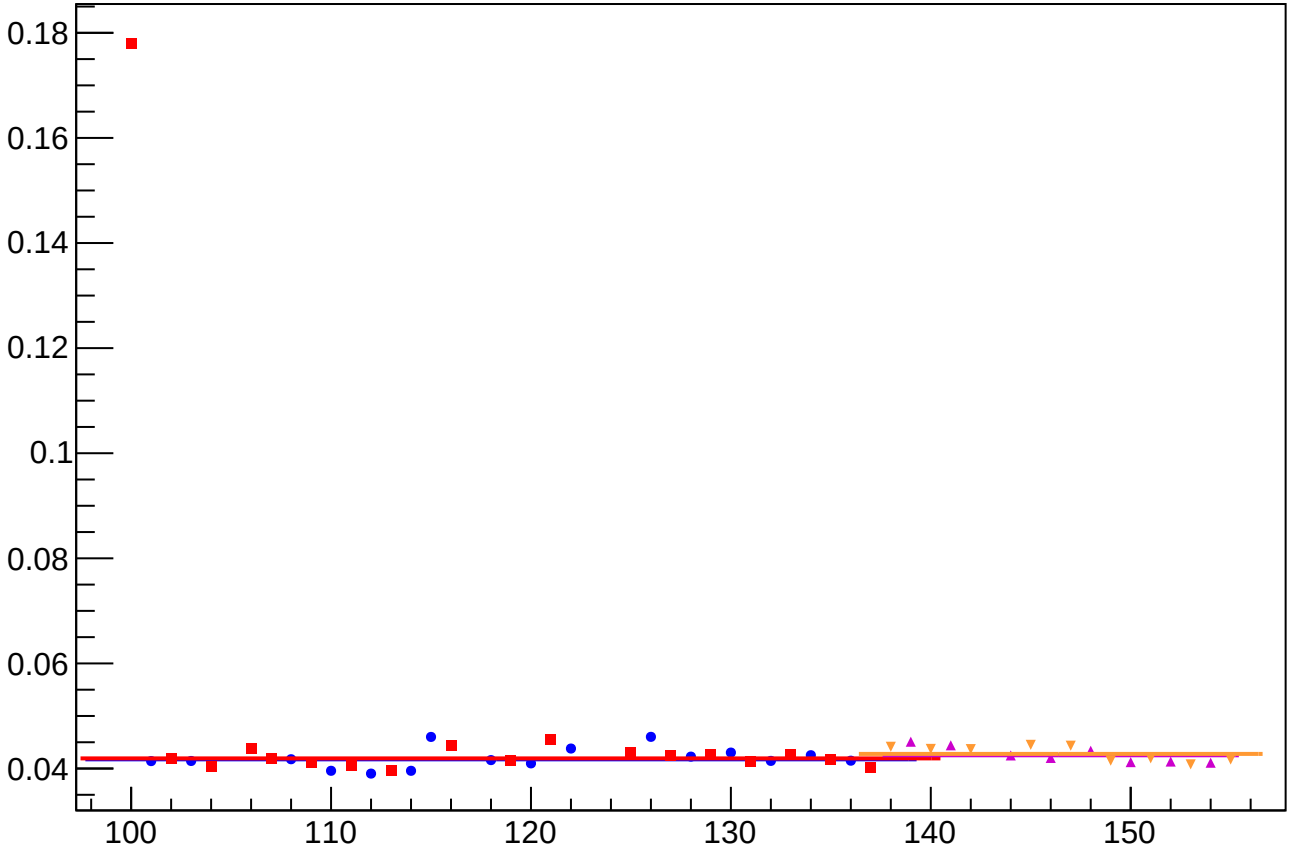
Left In: -25.662+/-0.000 χ^2/NDF:29667350.8/7

+ sign -25.619+/-0.000 χ^2/NDF: 139990447.1/24

All: -25.610+/-0.000 χ^2/NDF: 9106092908.1/

- sign -25.601+/-0.000 χ^2/NDF: 8964746236.7/25

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.043+/-0.000 χ^2/NDF:14306.8/8

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

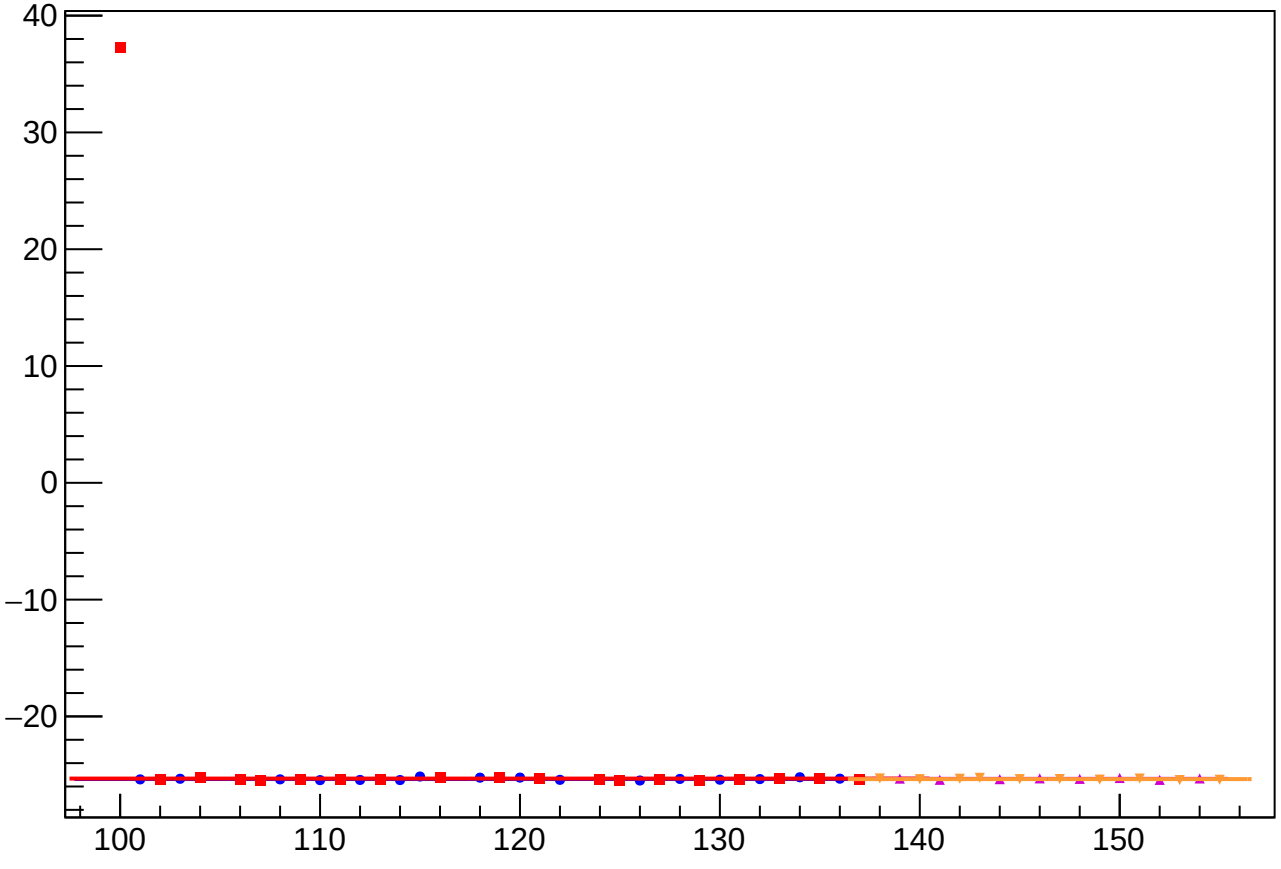
Left In: 0.043+/-0.000 χ^2/NDF:14806.4/7

+ sign 0.042+/-0.000 χ^2/NDF: 39260.5/24

All: 0.042+/-0.000 χ^2/NDF: 155612.4/50

- sign 0.042+/-0.000 χ^2/NDF: 116344.6/25

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.367+/-0.000 χ^2/NDF:7682248.6/9

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

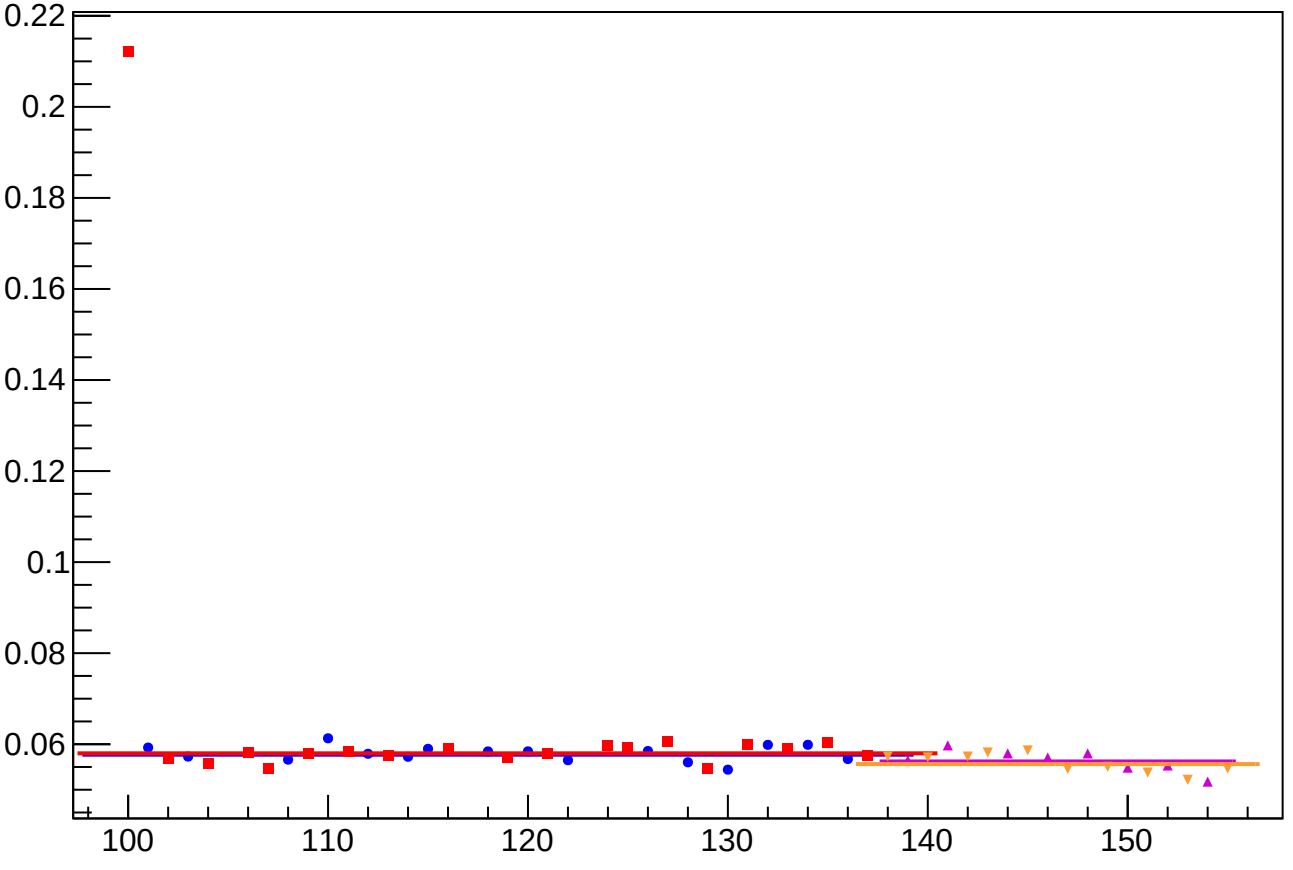
Left In: -25.346+/-0.000 χ^2/NDF:6331630.9/7

+ sign -25.364+/-0.000 χ^2/NDF: 21013115.9/25

All: -25.349+/-0.000 χ^2/NDF: 6344804919.2/

- sign -25.334+/-0.000 χ^2/NDF: 6321868335.9/26

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:20512.6/9

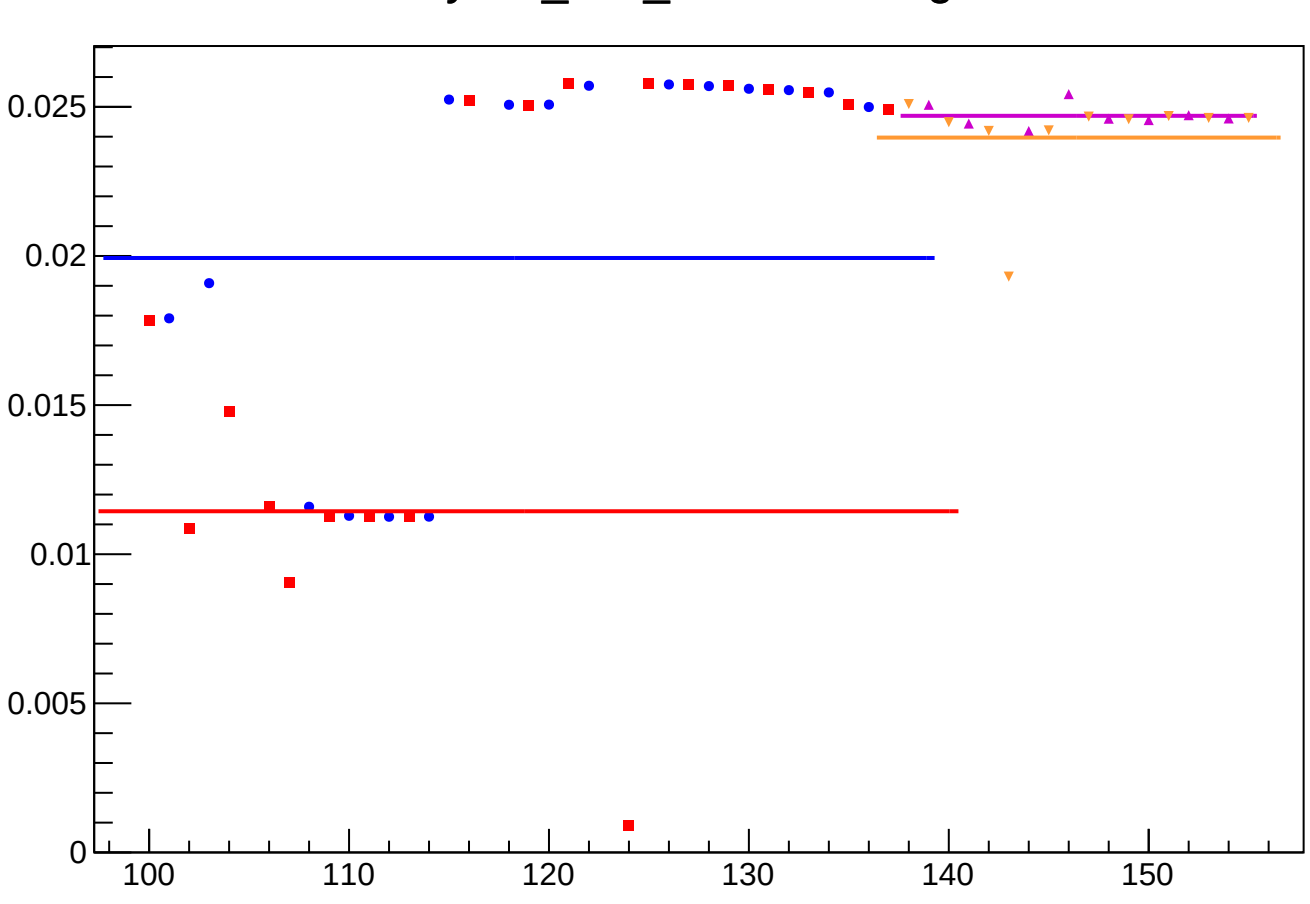
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:23477.7/7

\+ sign 0.057+/-0.000 χ^2/NDF: 41904.8/25

All: 0.057+/-0.000 χ^2/NDF: 162082.5/52

\- sign 0.057+/-0.000 χ^2/NDF: 119004.9/26



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4490276275.8/9

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

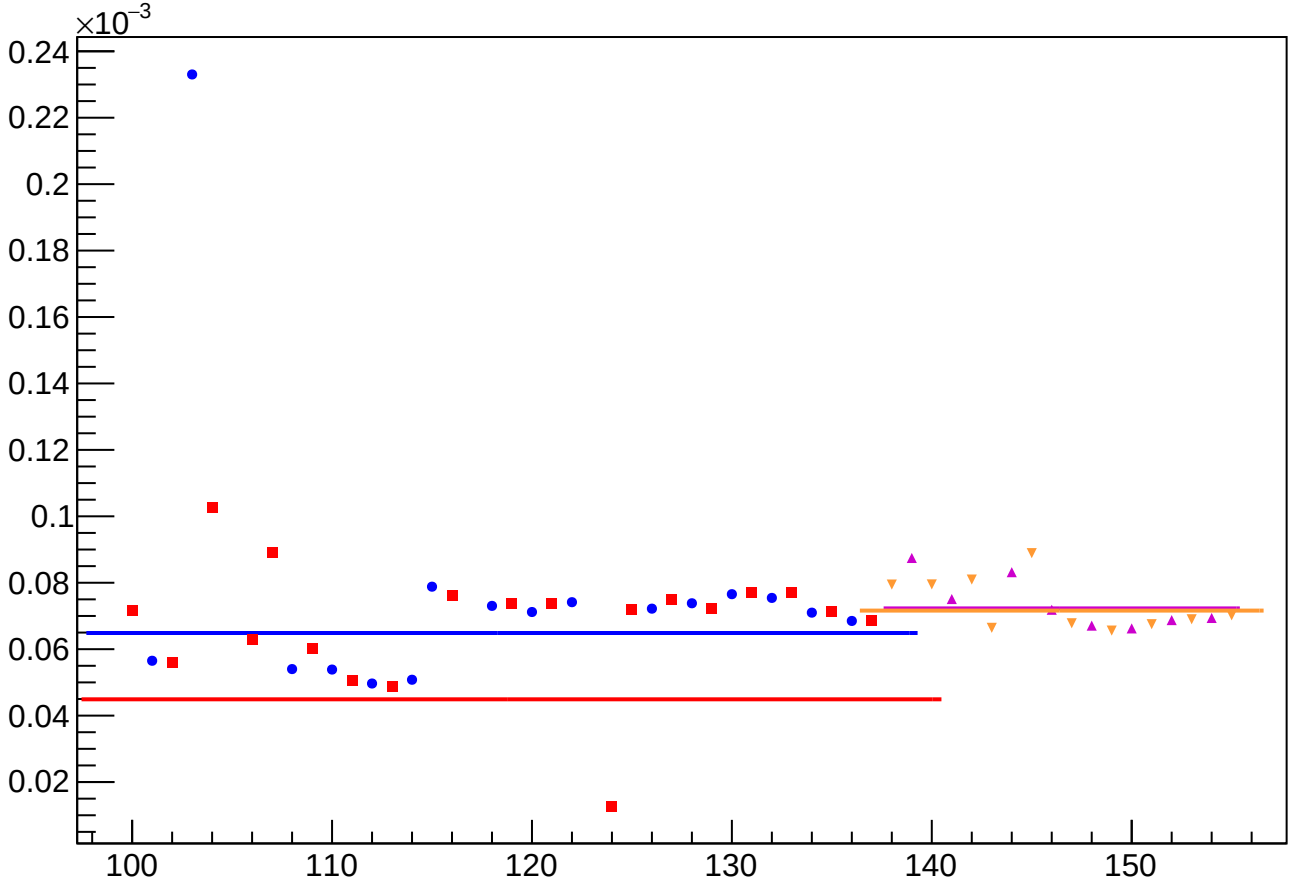
Left In: 0.025+/-0.000 χ^2/NDF:153893296.2/7

+ sign 0.022+/-0.000 χ^2/NDF: 79308404646.1/25

All: 0.019+/-0.000 χ^2/NDF: 543868271098.2

- sign 0.016+/-0.000 χ^2/NDF: 404676082171.3/26

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:138182.9/9

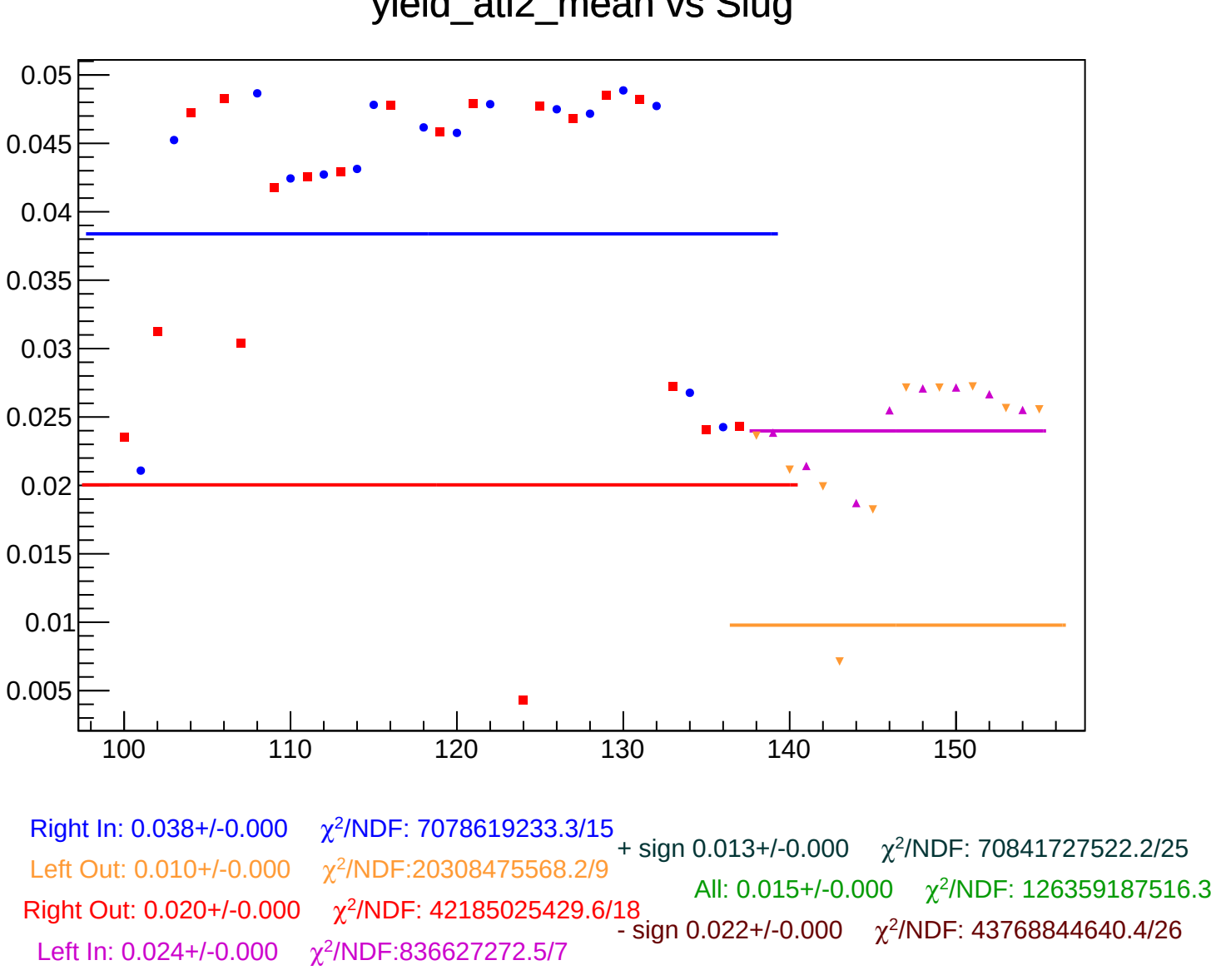
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

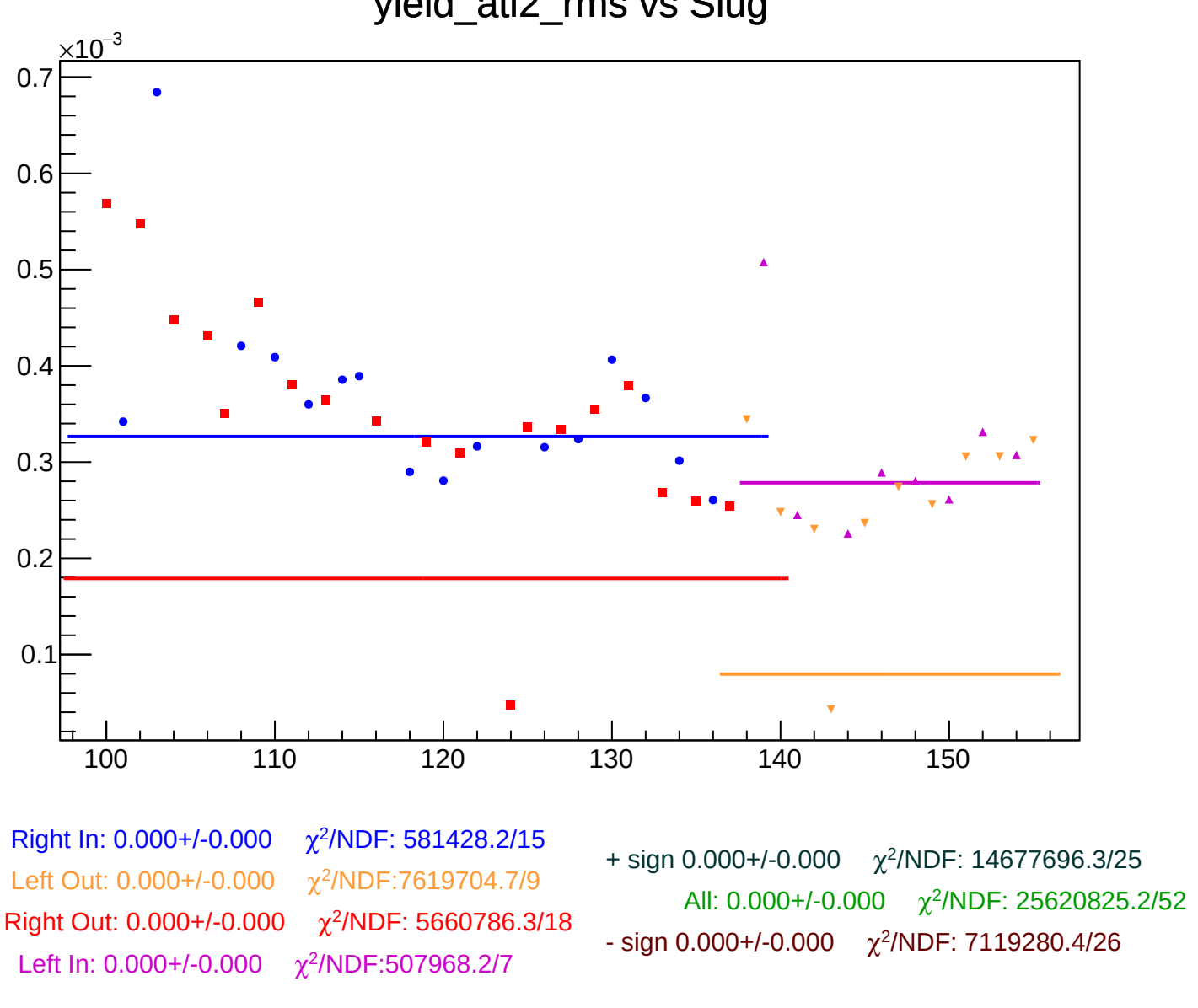
Left In: 0.000+/-0.000 χ^2/NDF:112916.7/7

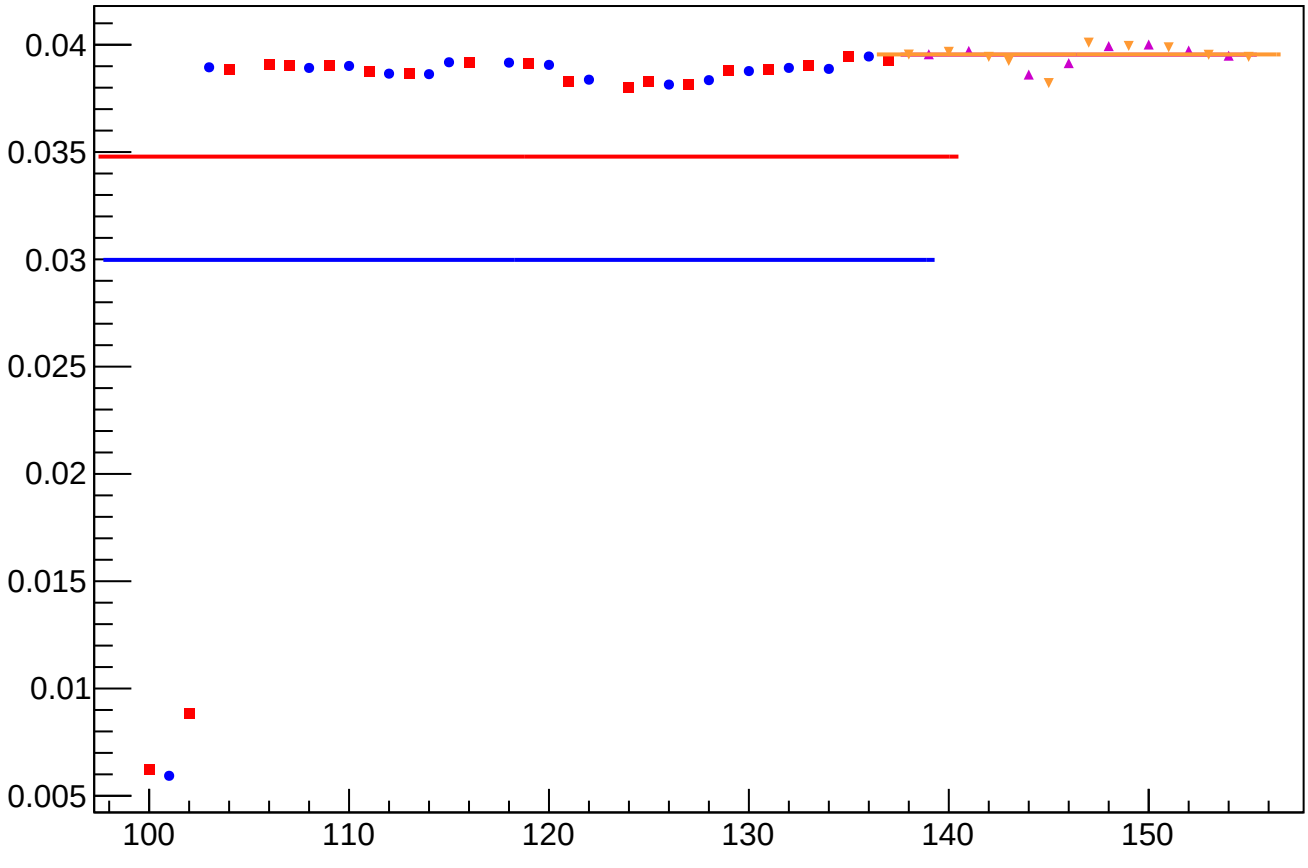
+ sign 0.000+/-0.000 χ^2/NDF: 1024049.4/25

All: 0.000+/-0.000 χ^2/NDF: 6848953.3/52

- sign 0.000+/-0.000 χ^2/NDF: 5166998.2/26


yield_atl2_mean vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.038+/-0.000 χ²/NDF: 7078619233.3/15
Left Out: 0.010+/-0.000 χ²/NDF:20308475568.2/9
Right Out: 0.020+/-0.000 χ²/NDF: 42185025429.6/18
Left In: 0.024+/-0.000 χ²/NDF:836627272.5/7
+ sign 0.013+/-0.000 χ²/NDF: 70841727522.2/25
All: 0.015+/-0.000 χ²/NDF: 126359187516.3
- sign 0.022+/-0.000 χ²/NDF: 43768844640.4/26


yield_atl2_rms vs Slug
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:7619704.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:507968.2/7
+ sign 0.000+/-0.000 χ²/NDF: 14677696.3/25
All: 0.000+/-0.000 χ²/NDF: 25620825.2/52
- sign 0.000+/-0.000 χ²/NDF: 7119280.4/26



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:92854385.8/9

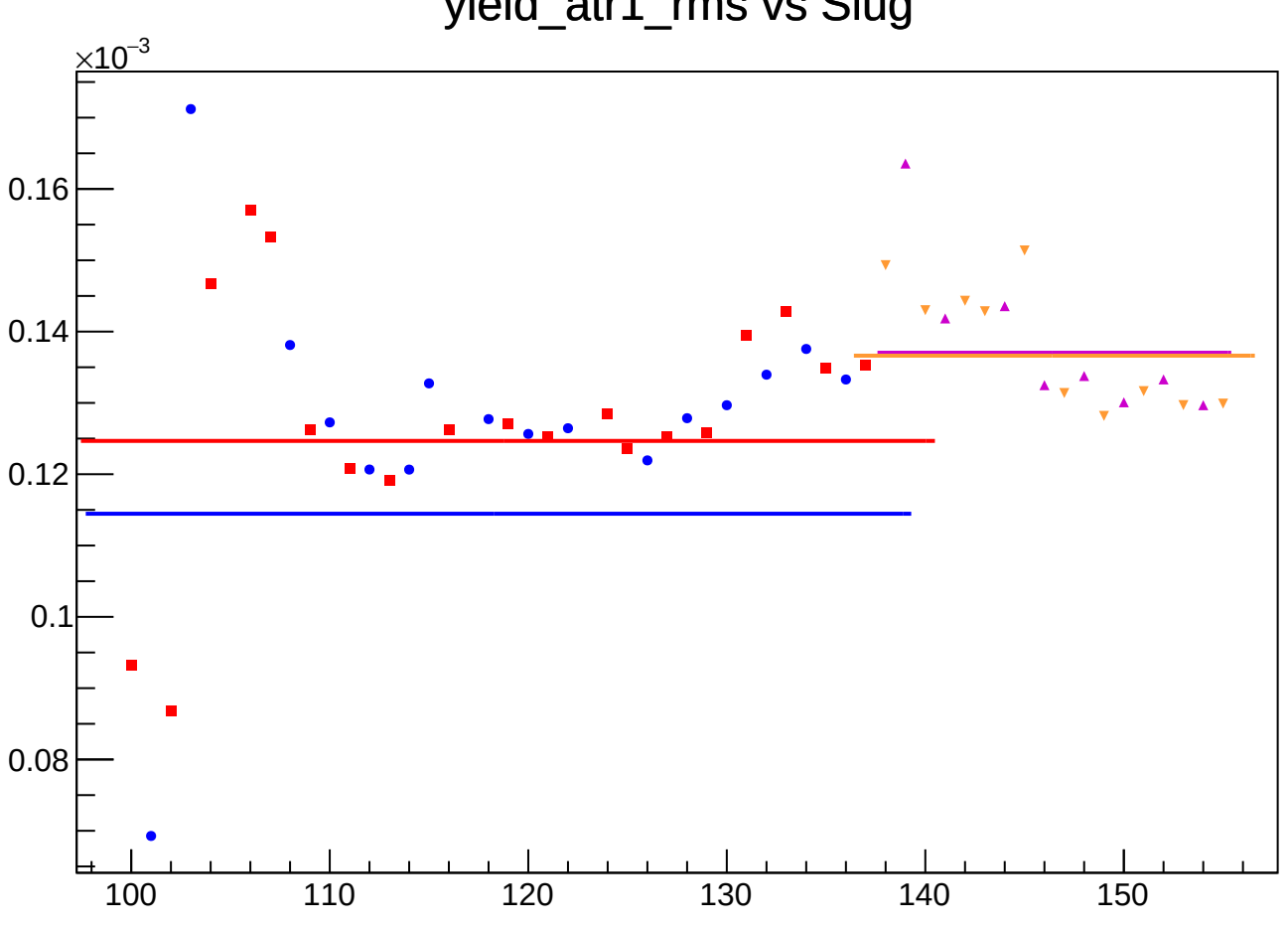
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65802012.7/7

+ sign 0.034+/-0.000 χ^2/NDF: 129028228693.5/25

All: 0.035+/-0.000 χ^2/NDF: 183936840146.0

- sign 0.037+/-0.000 χ^2/NDF: 51826617706.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:55278.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

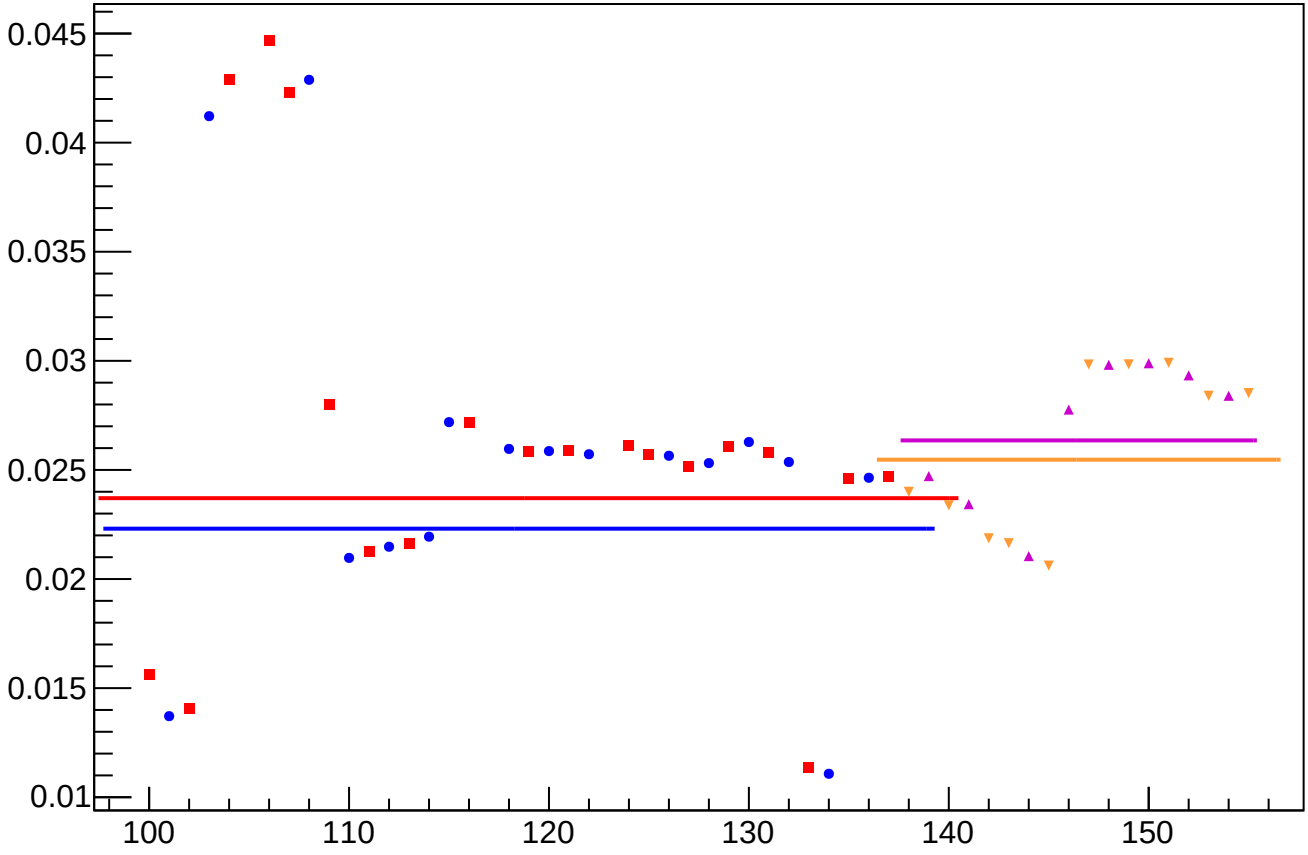
Left In: 0.000+/-0.000 χ^2/NDF:63886.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 1129885.8/25

All: 0.000+/-0.000 χ^2/NDF: 1544900.5/52

- sign 0.000+/-0.000 χ^2/NDF: 385252.2/26

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.025+/-0.000 χ^2/NDF:1442705958.1/9

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

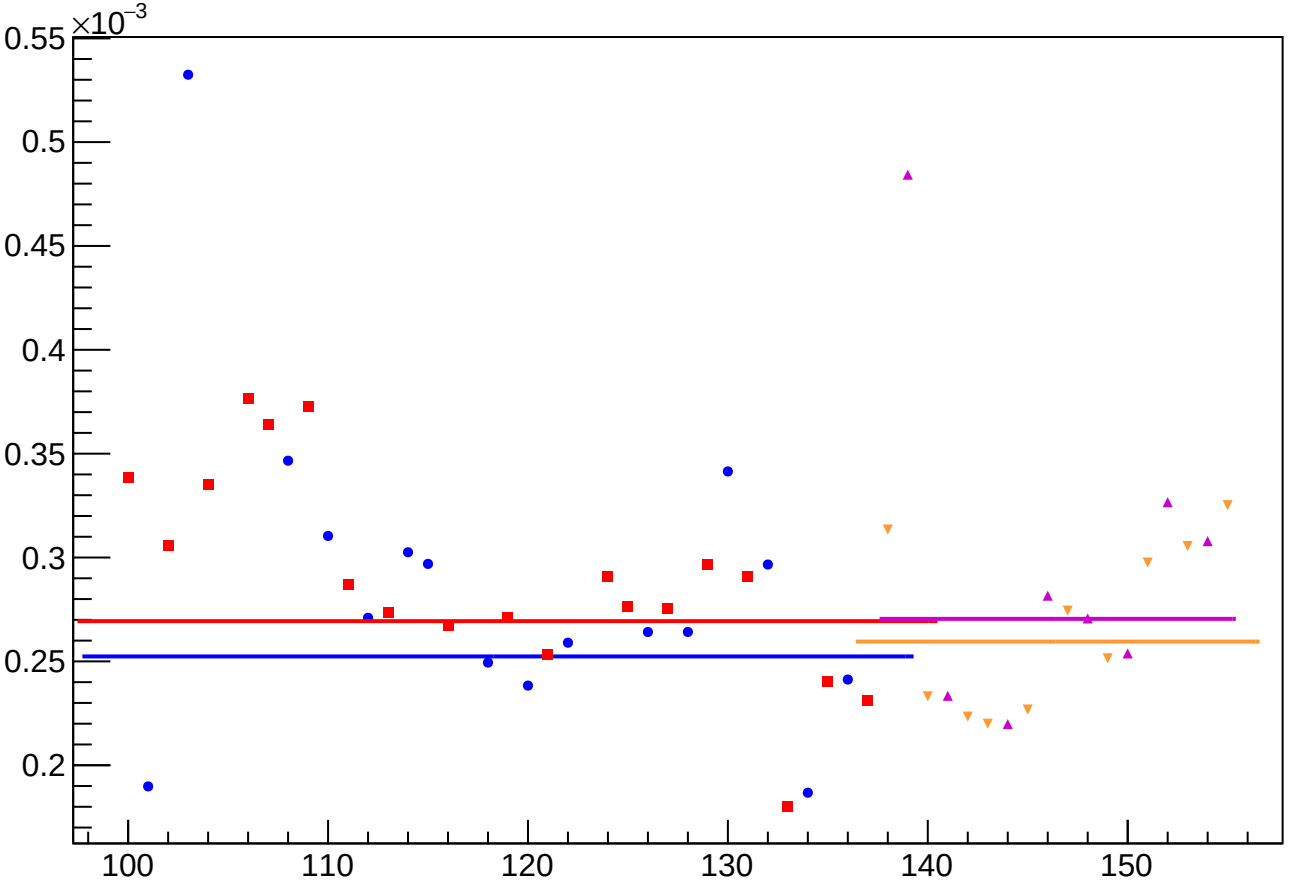
Left In: 0.026+/-0.000 χ^2/NDF:1022283085.9/7

+ sign 0.024+/-0.000 χ^2/NDF: 6954731764.4/25

All: 0.024+/-0.000 χ^2/NDF: 13971874508.5/5

- sign 0.025+/-0.000 χ^2/NDF: 6908861952.8/26

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:280426.4/9

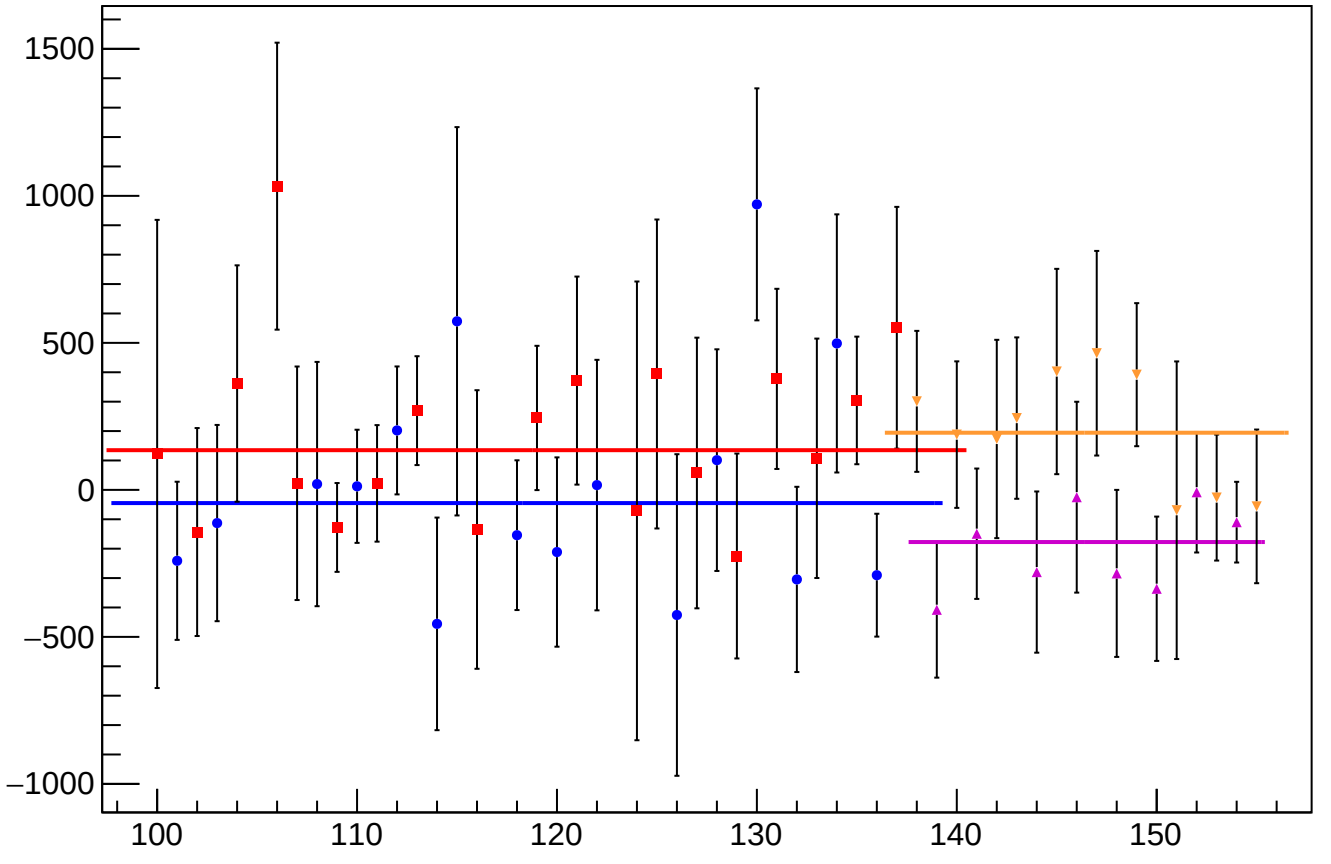
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:524622.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 993381.0/25

All: 0.000+/-0.000 χ^2/NDF: 2000345.5/52

- sign 0.000+/-0.000 χ^2/NDF: 971085.7/26



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 194.389+/-87.960 χ^2/NDF:4.1/9

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

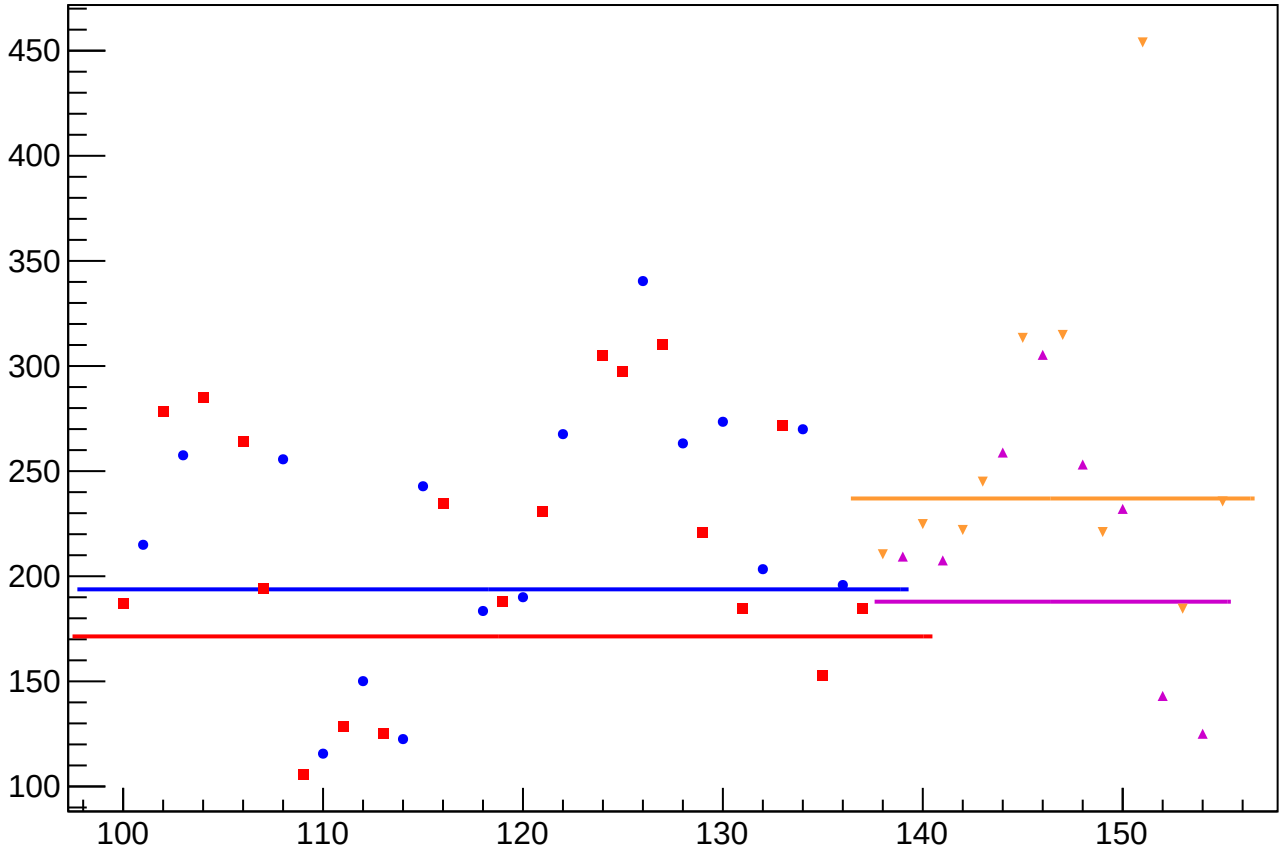
Left In: -177.415+/-77.196 χ^2/NDF:2.9/7

+ sign 57.678+/-57.593 χ^2/NDF: 23.8/25

All: 24.460+/-38.204 χ^2/NDF: 49.4/52

- sign -1.641+/-51.053 χ^2/NDF: 25.0/26

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: 236.989+/-0.062 χ^2/NDF:726535.1/9

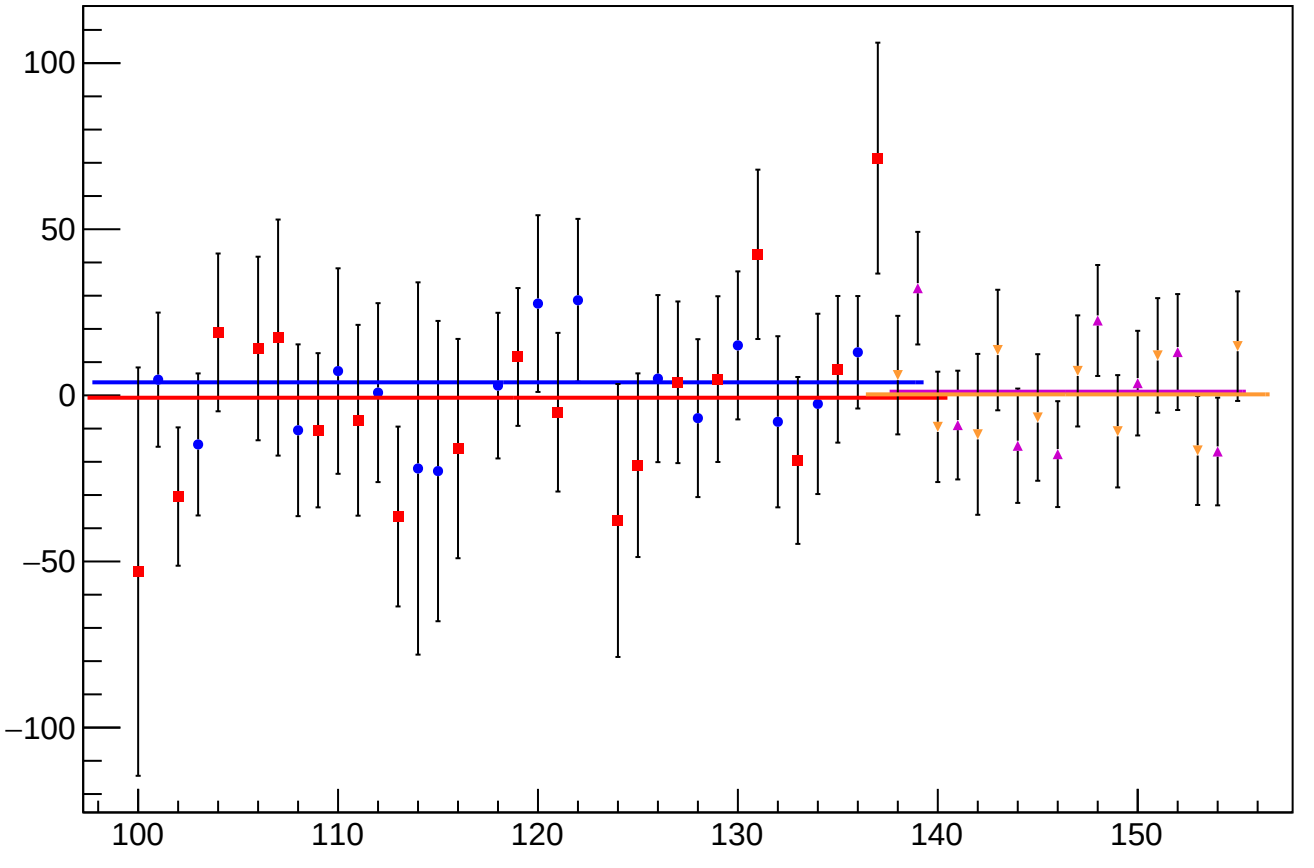
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 187.902+/-0.055 χ^2/NDF:1113728.6/7

+ sign 212.298+/-0.041 χ^2/NDF: 2050506.8/25

All: 193.431+/-0.027 χ^2/NDF: 5257094.3/52

- sign 178.607+/-0.036 χ^2/NDF: 2823340.5/26



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.301+/-5.582 χ^2/NDF:4.3/9

Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

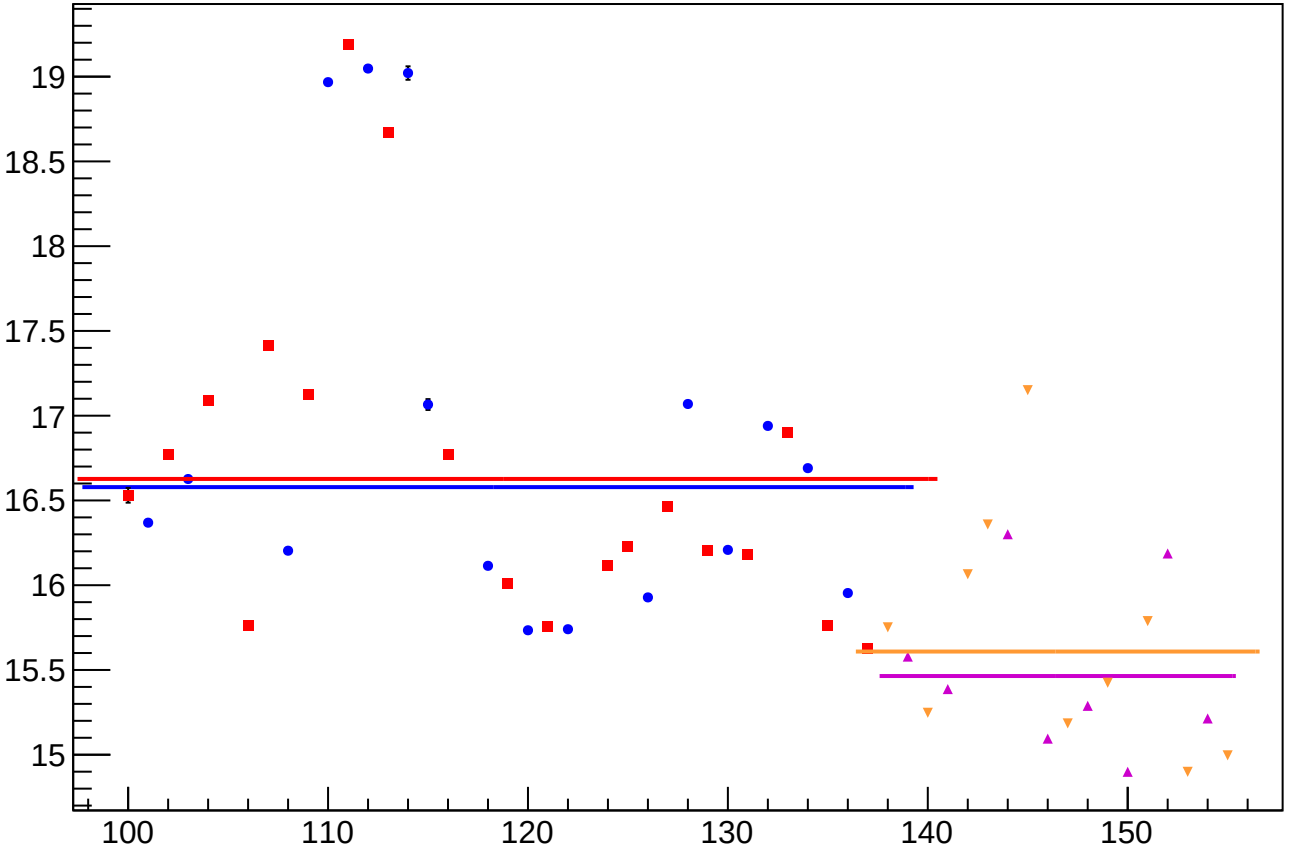
Left In: 1.105+/-5.848 χ^2/NDF:9.4/7

+ sign 1.931+/-4.140 χ^2/NDF: 9.0/25

All: 1.096+/-2.953 χ^2/NDF: 34.4/52

- sign 0.230+/-4.214 χ^2/NDF: 25.4/26

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: 15.609+/-0.004 χ^2/NDF:26533.0/9

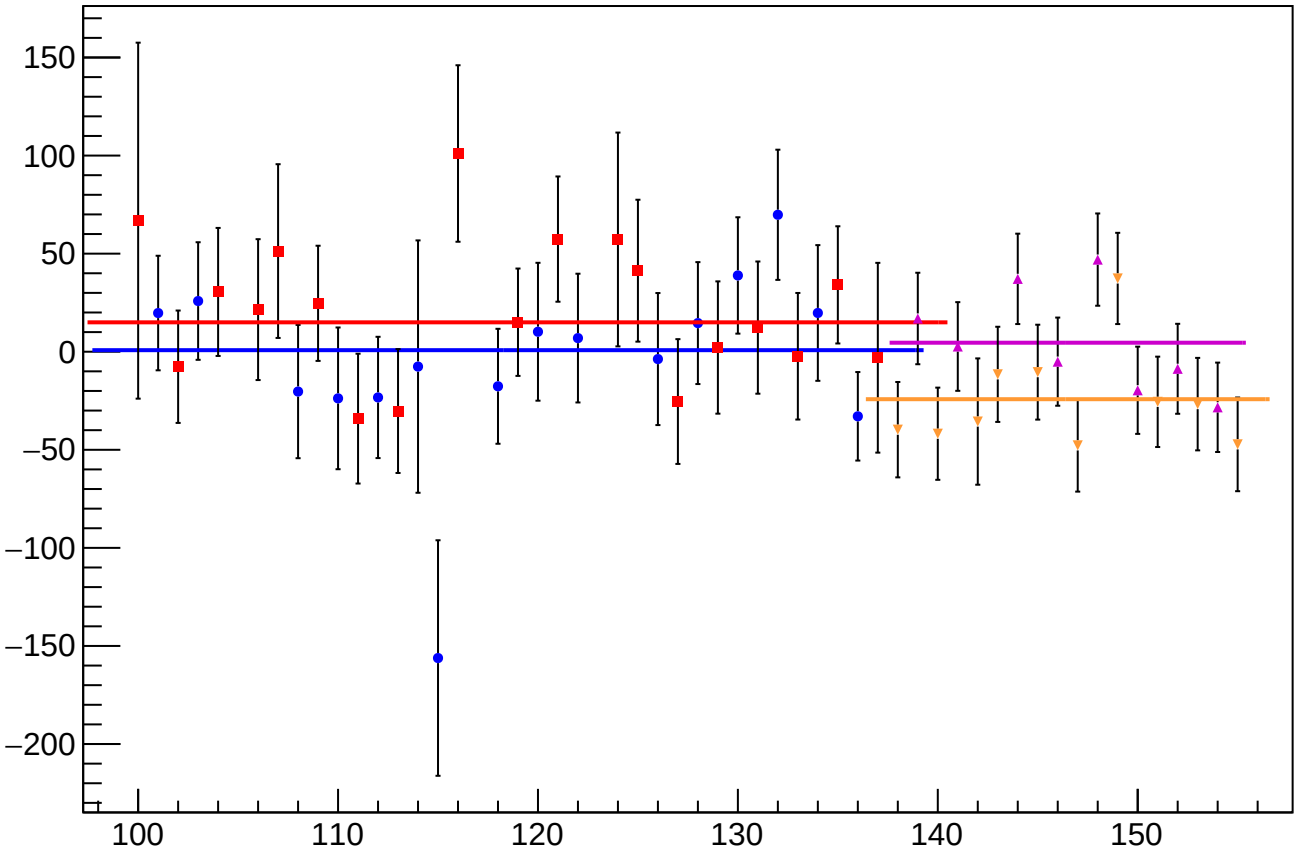
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.464+/-0.004 χ^2/NDF:12641.5/7

+ sign 16.045+/-0.003 χ^2/NDF: 98279.8/25

All: 16.034+/-0.002 χ^2/NDF: 192417.2/52

- sign 16.023+/-0.003 χ^2/NDF: 94110.2/26



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -24.204+/-7.679 χ^2/NDF:10.6/9

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

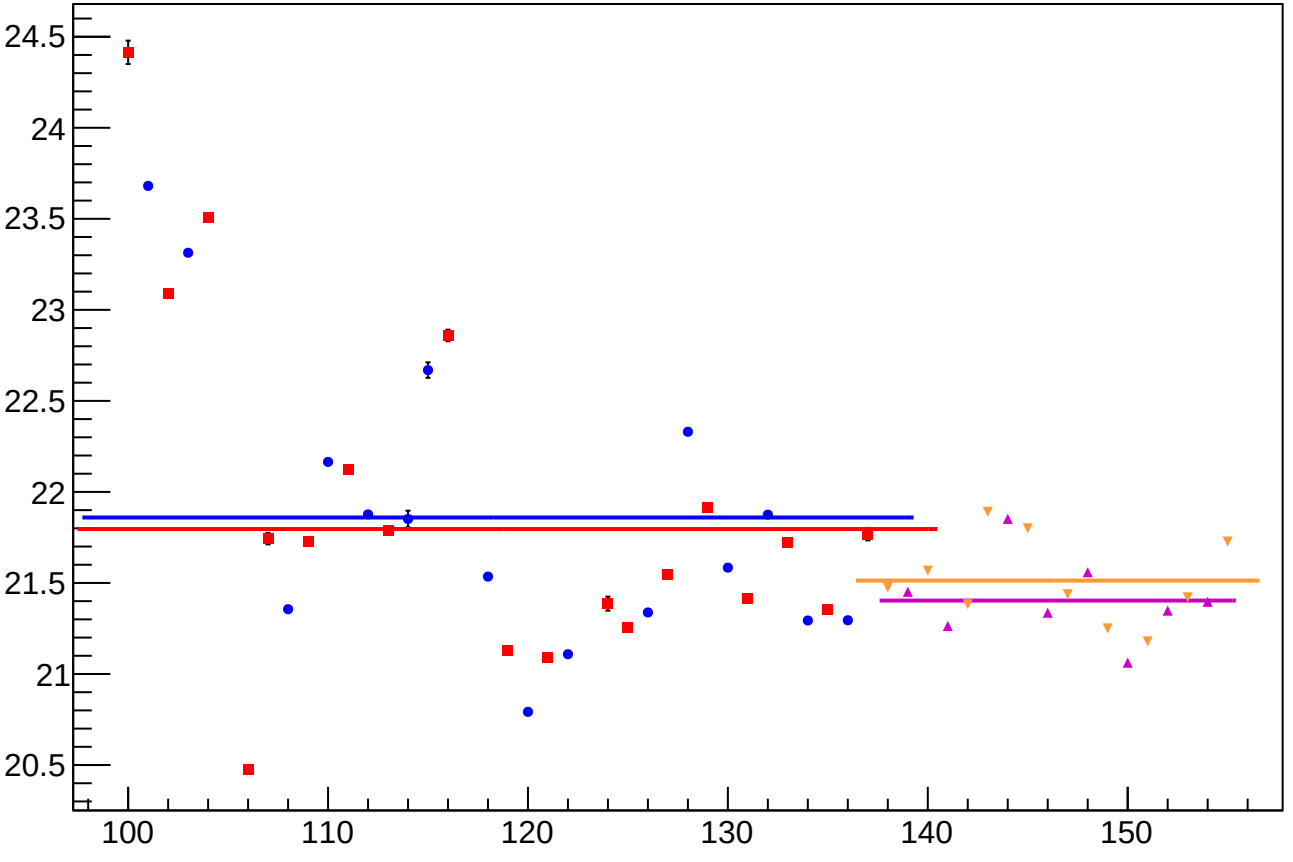
Left In: 4.592+/-8.080 χ^2/NDF:9.3/7

+ sign -12.412+/-5.581 χ^2/NDF: 34.3/25

All: -1.445+/-3.977 χ^2/NDF: 67.7/52

- sign 9.869+/-5.668 χ^2/NDF: 25.6/26

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: 21.513+/-0.005 χ^2/NDF:1703.1/9

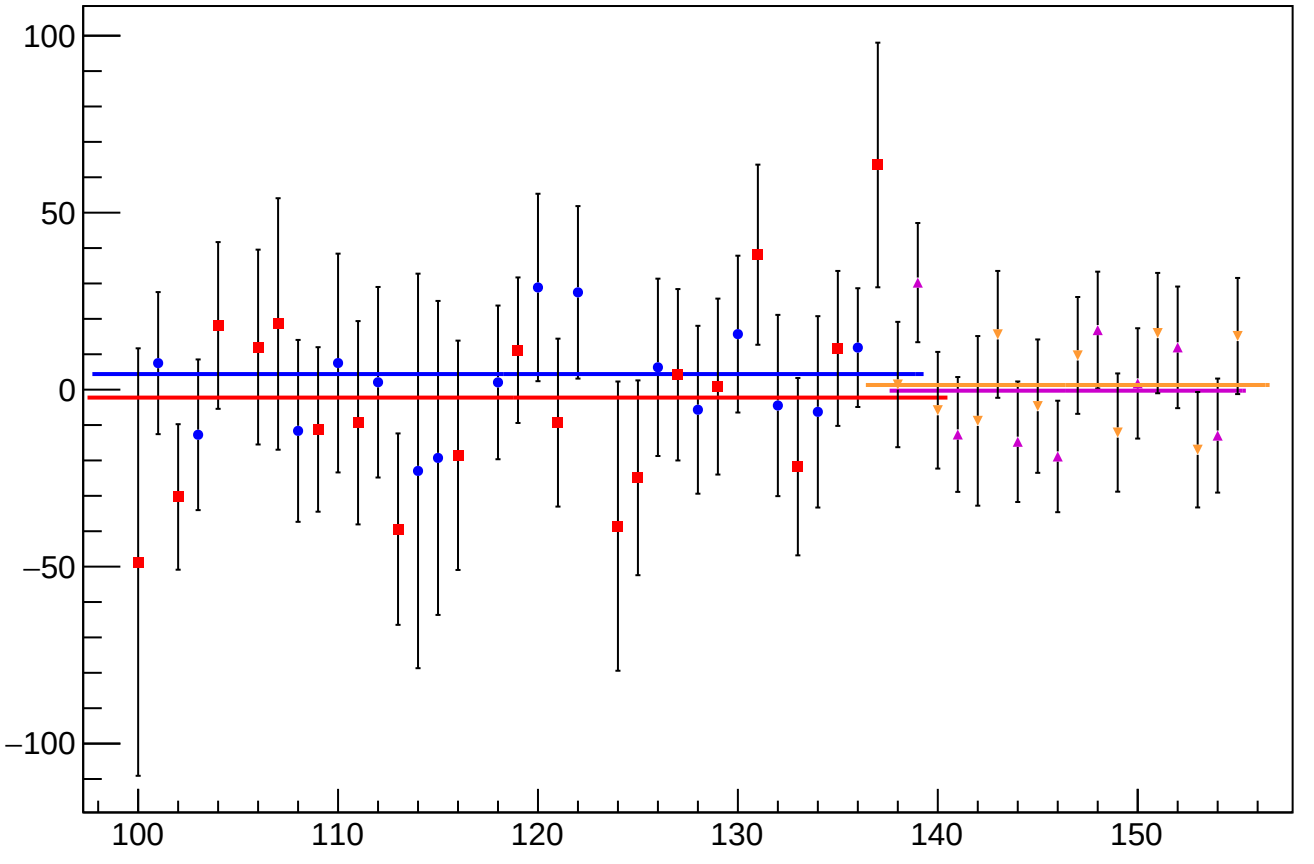
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.403+/-0.006 χ^2/NDF:1431.4/7

+ sign 21.677+/-0.004 χ^2/NDF: 23092.8/25

All: 21.640+/-0.003 χ^2/NDF: 45958.3/52

- sign 21.603+/-0.004 χ^2/NDF: 22694.2/26



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 1.317+/-5.527 χ^2/NDF:4.7/9

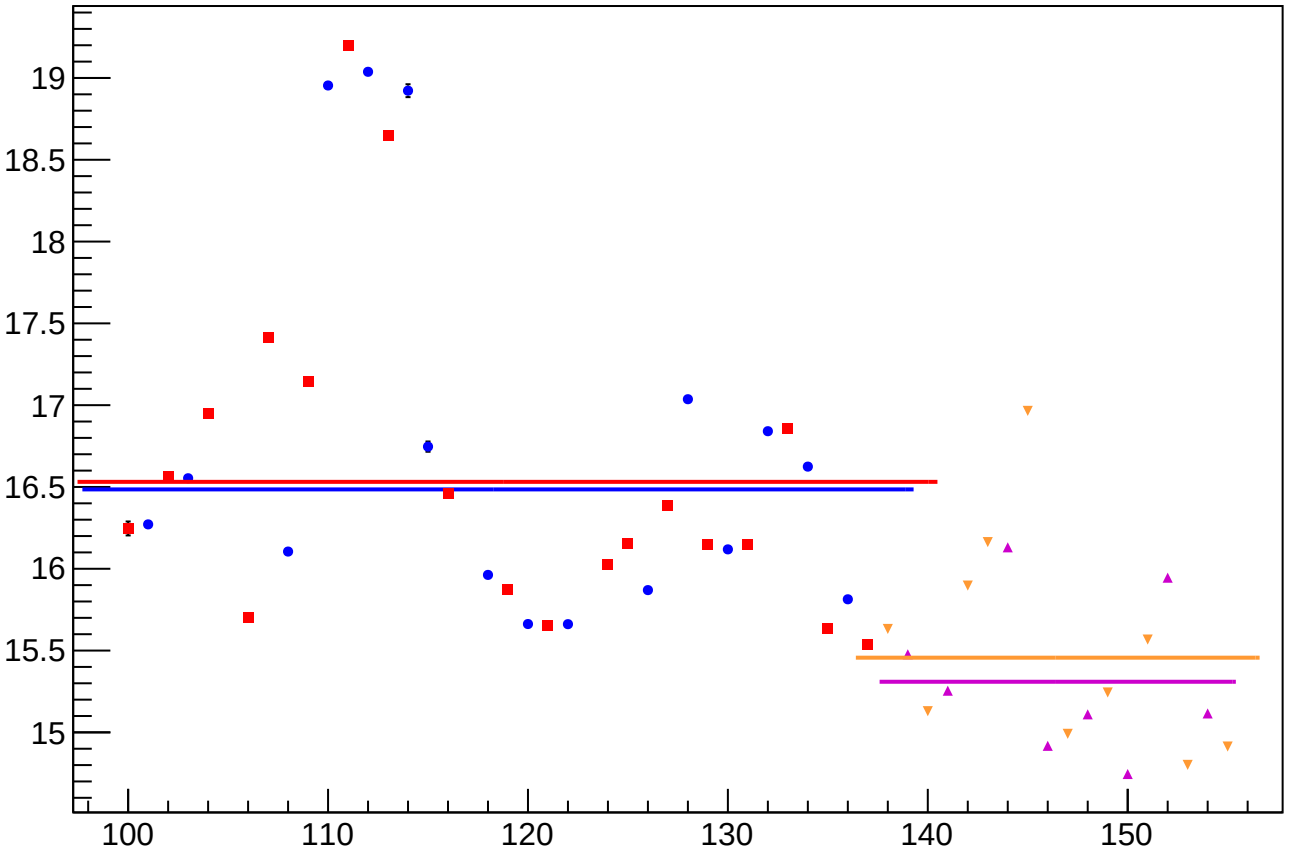
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.294+/-5.789 χ^2/NDF:8.2/7

+ sign 2.700+/-4.107 χ^2/NDF: 9.2/25

All: 0.771+/-2.930 χ^2/NDF: 33.2/52

- sign -1.227+/-4.180 χ^2/NDF: 23.6/26



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.457+/-0.004 χ^2/NDF:25008.5/9

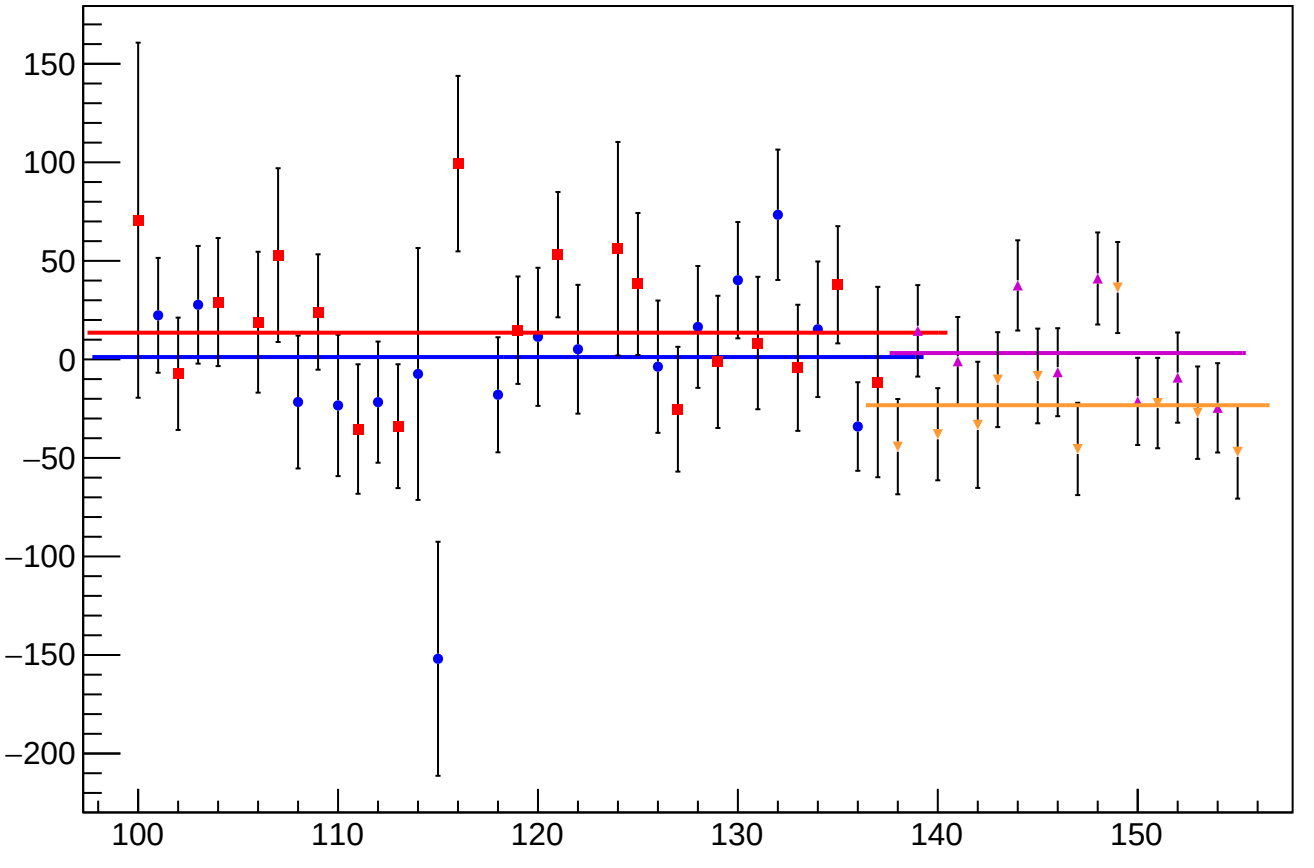
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.309+/-0.004 χ^2/NDF:12057.9/7

+ sign 15.917+/-0.003 χ^2/NDF: 103212.3/25

All: 15.906+/-0.002 χ^2/NDF: 204421.0/52

- sign 15.894+/-0.003 χ^2/NDF: 101177.8/26



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -23.250+/-7.633 χ^2/NDF:10.5/9

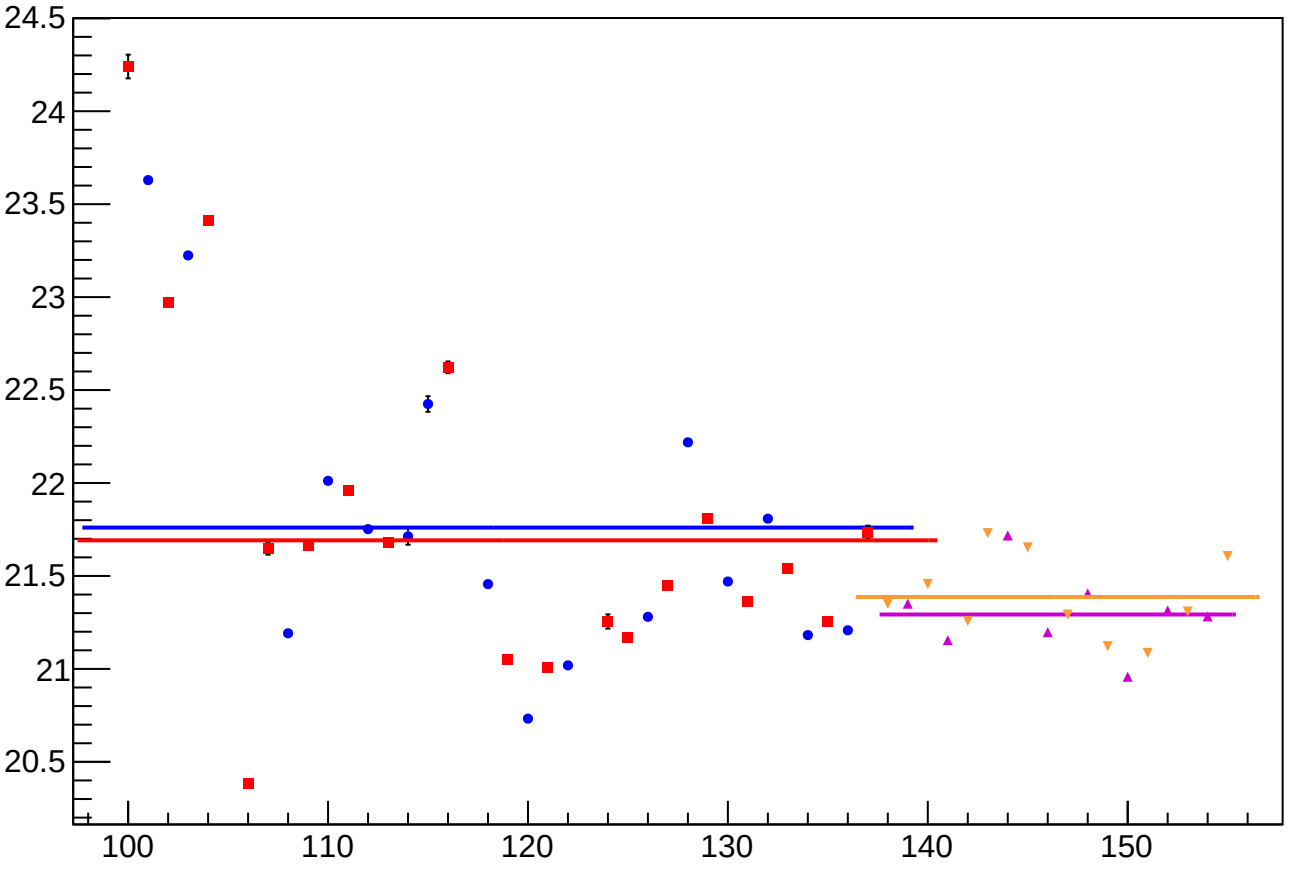
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 3.219+/-8.038 χ^2/NDF:8.4/7

+ sign -11.738+/-5.551 χ^2/NDF: 34.7/25

All: -1.797+/-3.956 χ^2/NDF: 66.4/52

- sign 8.464+/-5.640 χ^2/NDF: 25.1/26



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.387+/-0.005 χ^2/NDF:1541.2/9

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

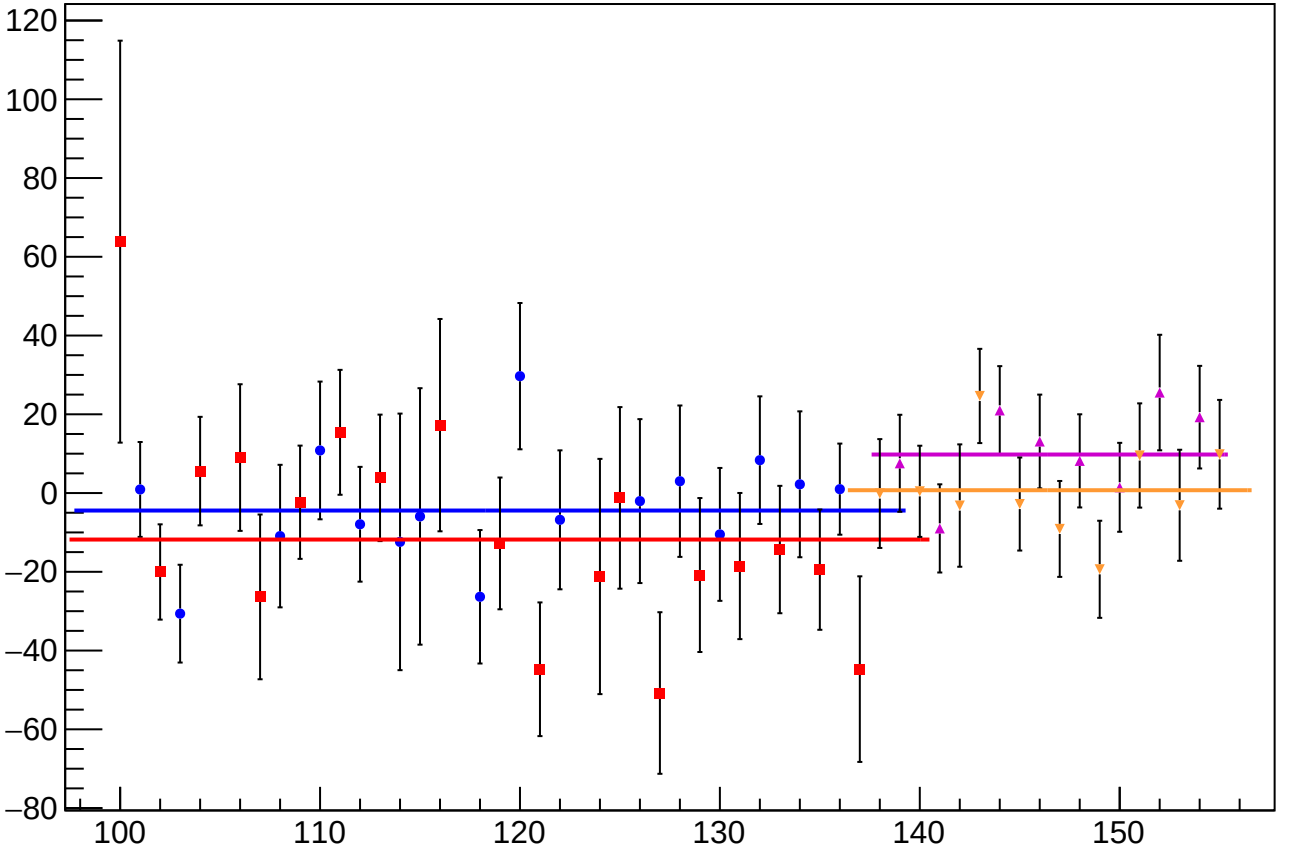
Left In: 21.293+/-0.006 χ^2/NDF:1322.0/7

\+ sign 21.563+/-0.004 χ^2/NDF: 23543.1/25

All: 21.530+/-0.003 χ^2/NDF: 45841.0/52

\- sign 21.495+/-0.004 χ^2/NDF: 22152.6/26

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.719+/-4.073 χ^2/NDF:8.4/9

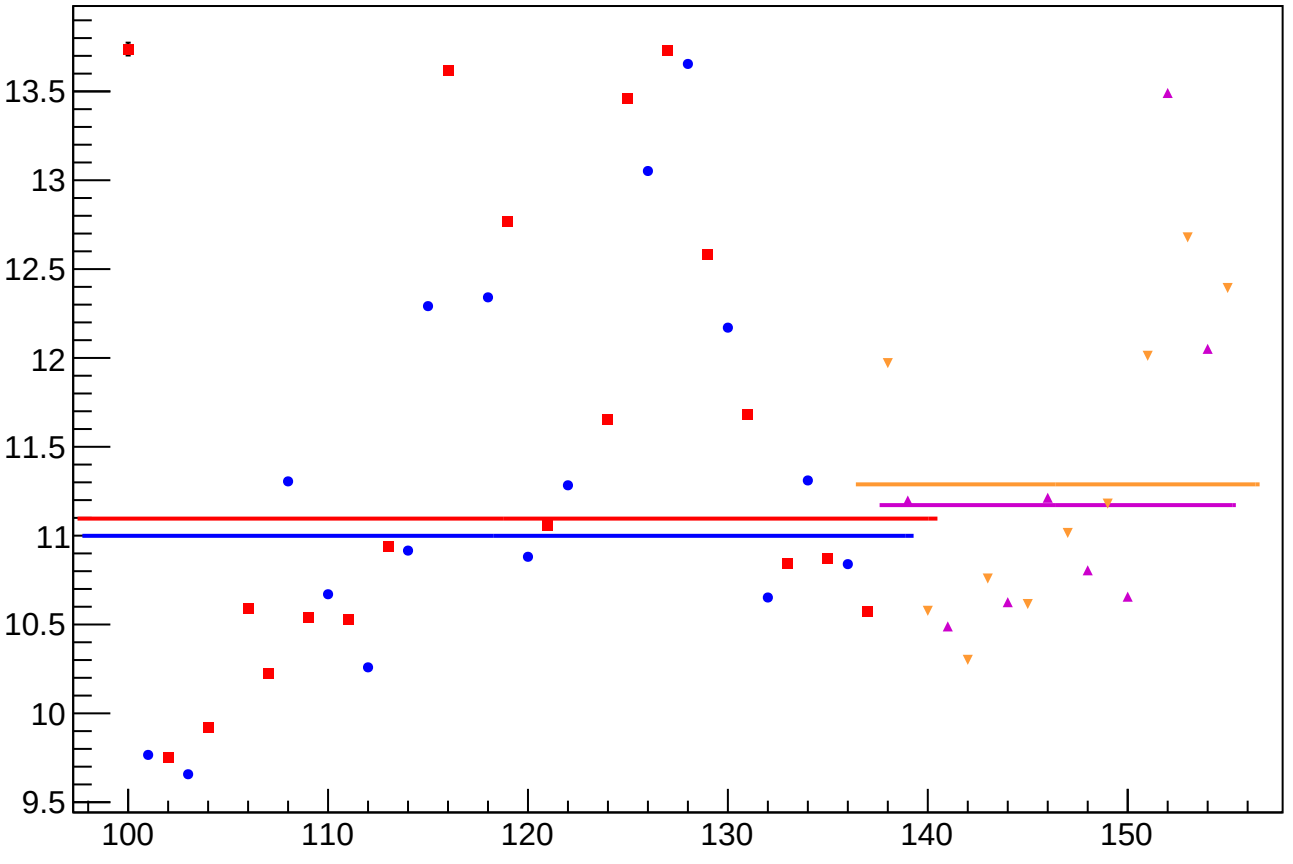
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: 9.784+/-4.261 χ^2/NDF:6.2/7

\+ sign -1.824+/-2.900 χ^2/NDF: 21.2/25

All: -1.633+/-2.069 χ^2/NDF: 62.4/52

\- sign -1.435+/-2.954 χ^2/NDF: 41.2/26



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.289+/-0.003 χ^2/NDF:70303.3/9

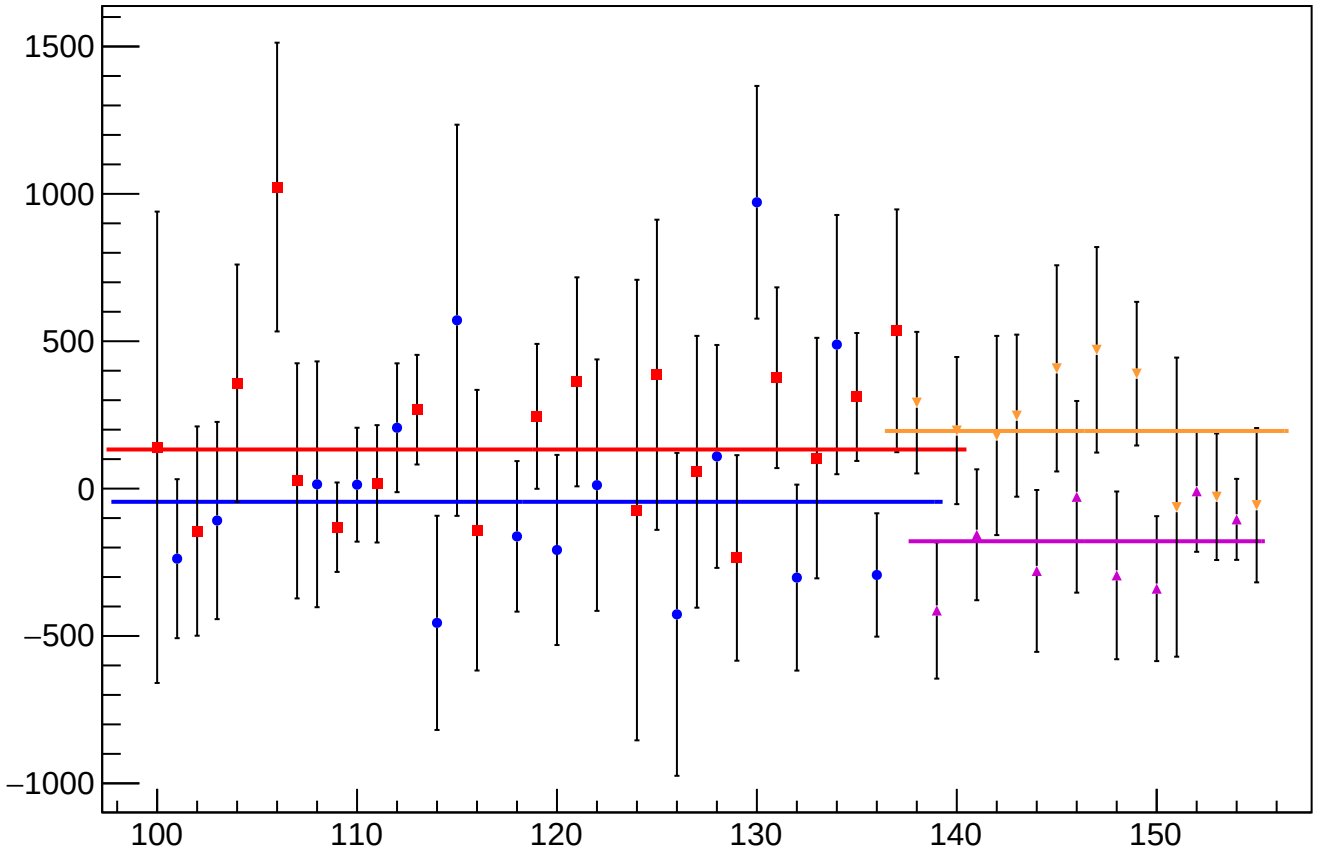
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.172+/-0.003 χ^2/NDF:77391.4/7

+ sign 11.146+/-0.002 χ^2/NDF: 211447.8/25

All: 11.139+/-0.001 χ^2/NDF: 452099.0/52

- sign 11.132+/-0.002 χ^2/NDF: 240630.0/26



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 195.544+/-88.119 χ^2/NDF:4.1/9

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

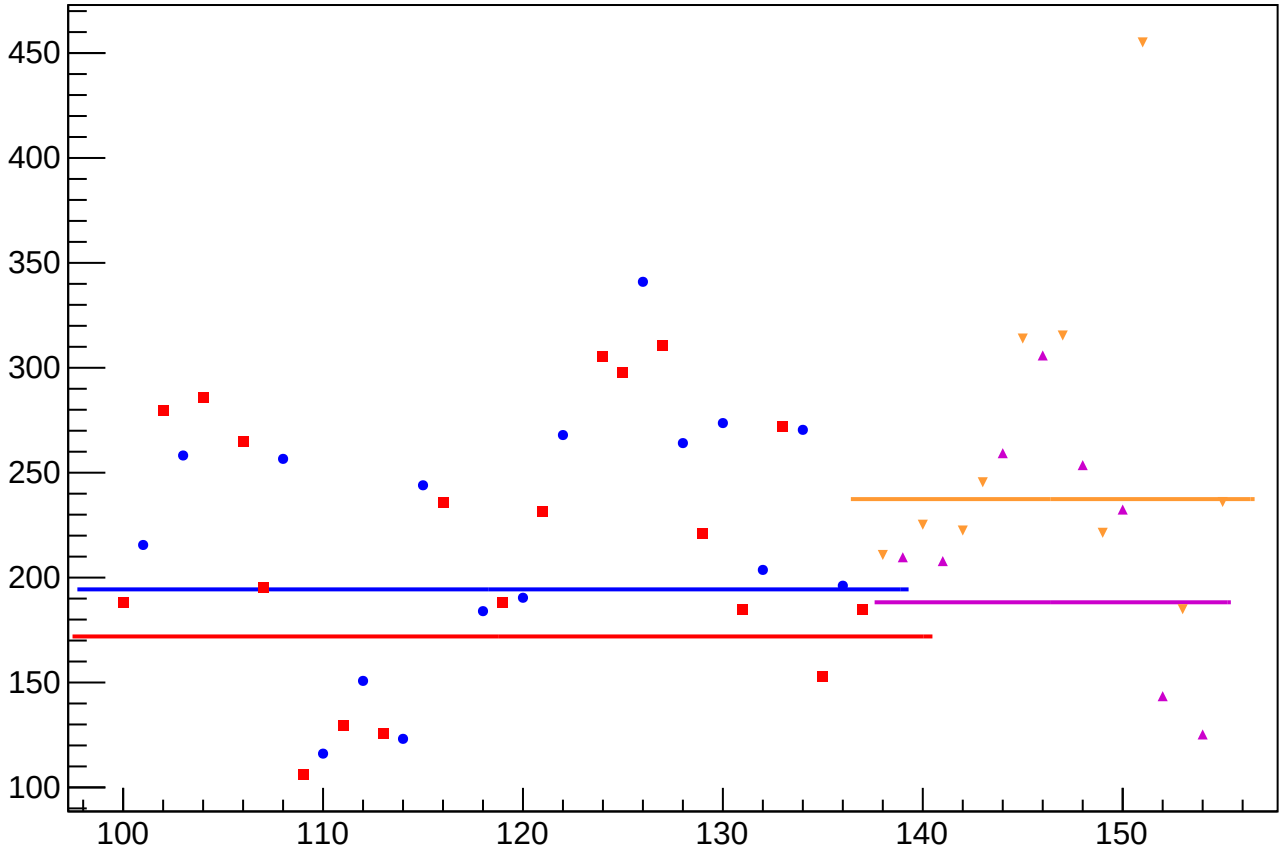
Left In: -178.611+/-77.333 χ^2/NDF:3.0/7

+ sign 58.376+/-57.735 χ^2/NDF: 23.8/25

All: 23.652+/-38.298 χ^2/NDF: 49.3/52

- sign -3.634+/-51.180 χ^2/NDF: 24.9/26

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: 237.412+/-0.062 χ^2/NDF:727042.1/9

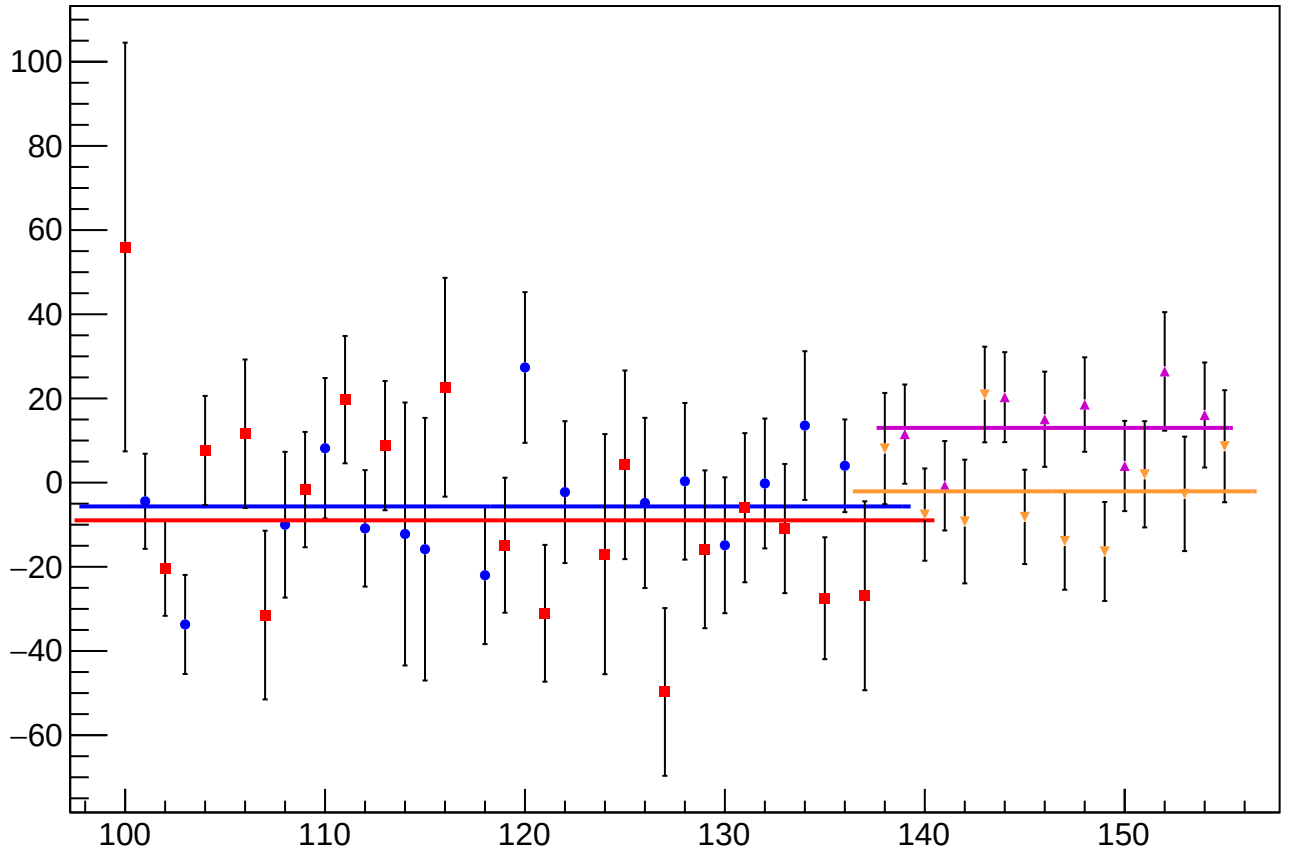
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 188.233+/-0.055 χ^2/NDF:1113685.3/7

+ sign 212.856+/-0.041 χ^2/NDF: 2041212.1/25

All: 193.943+/-0.027 χ^2/NDF: 5239342.7/52

- sign 179.081+/-0.036 χ^2/NDF: 2814868.3/26



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -2.067+/-3.880 χ^2/NDF:8.7/9

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

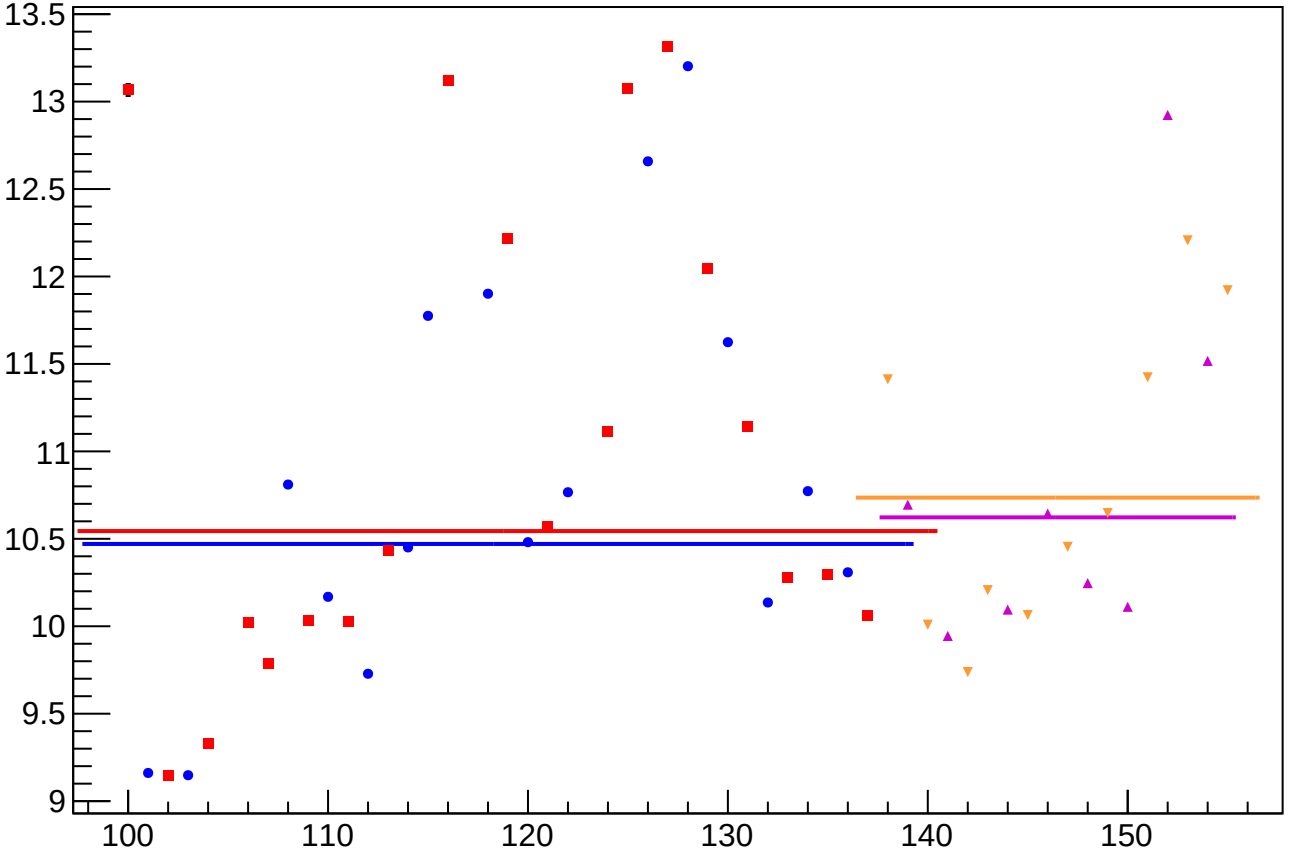
Left In: 13.009+/-4.058 χ^2/NDF:4.1/7

+ sign -3.835+/-2.764 χ^2/NDF: 22.8/25

All: -1.169+/-1.971 χ^2/NDF: 66.9/52

- sign 1.590+/-2.812 χ^2/NDF: 42.1/26

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: 10.736+/-0.003 χ^2/NDF:81288.5/9

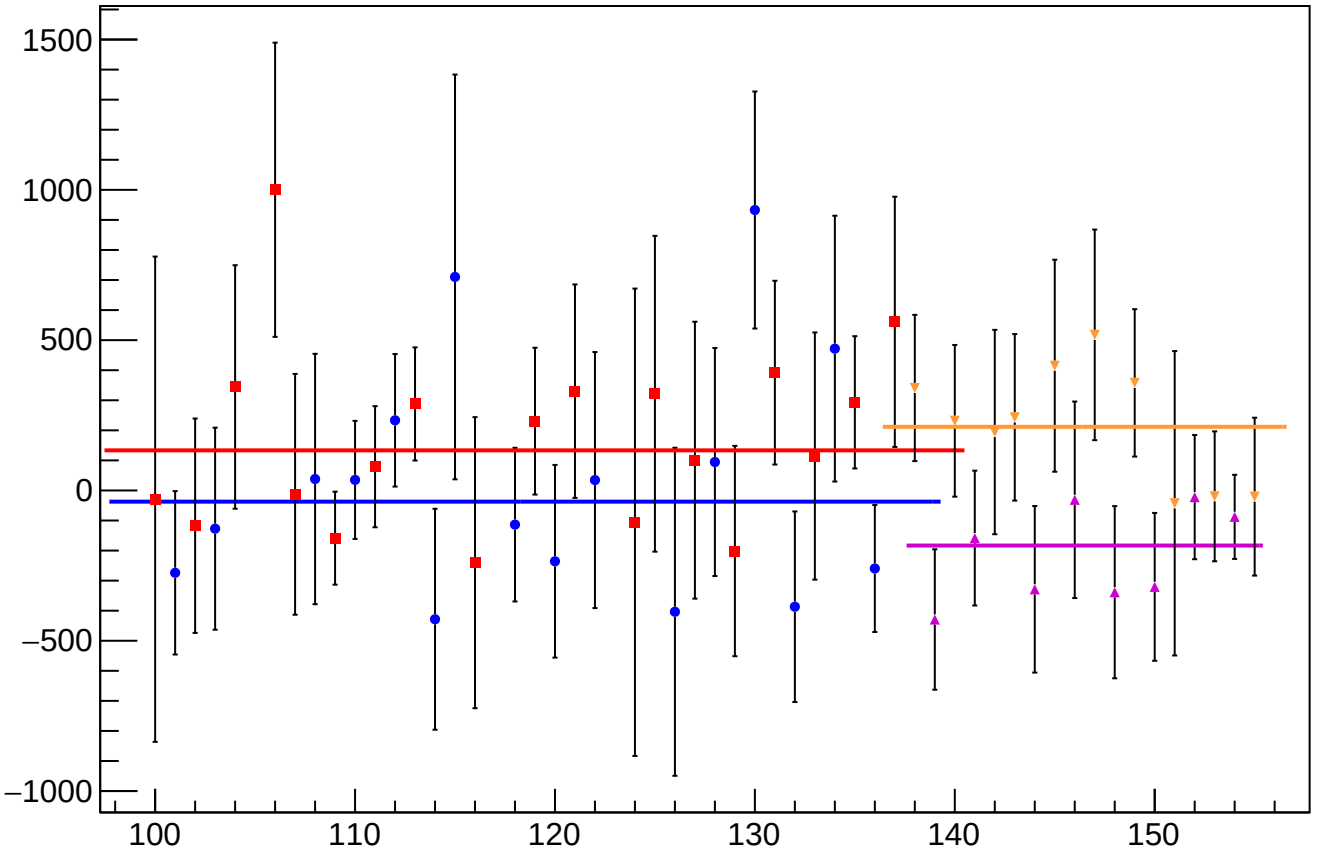
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.623+/-0.003 χ^2/NDF:83583.0/7

+ sign 10.605+/-0.002 χ^2/NDF: 243247.7/25

All: 10.594+/-0.001 χ^2/NDF: 514066.3/52

- sign 10.582+/-0.002 χ^2/NDF: 270749.7/26



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 211.731+/-88.749 χ^2/NDF:3.9/9

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

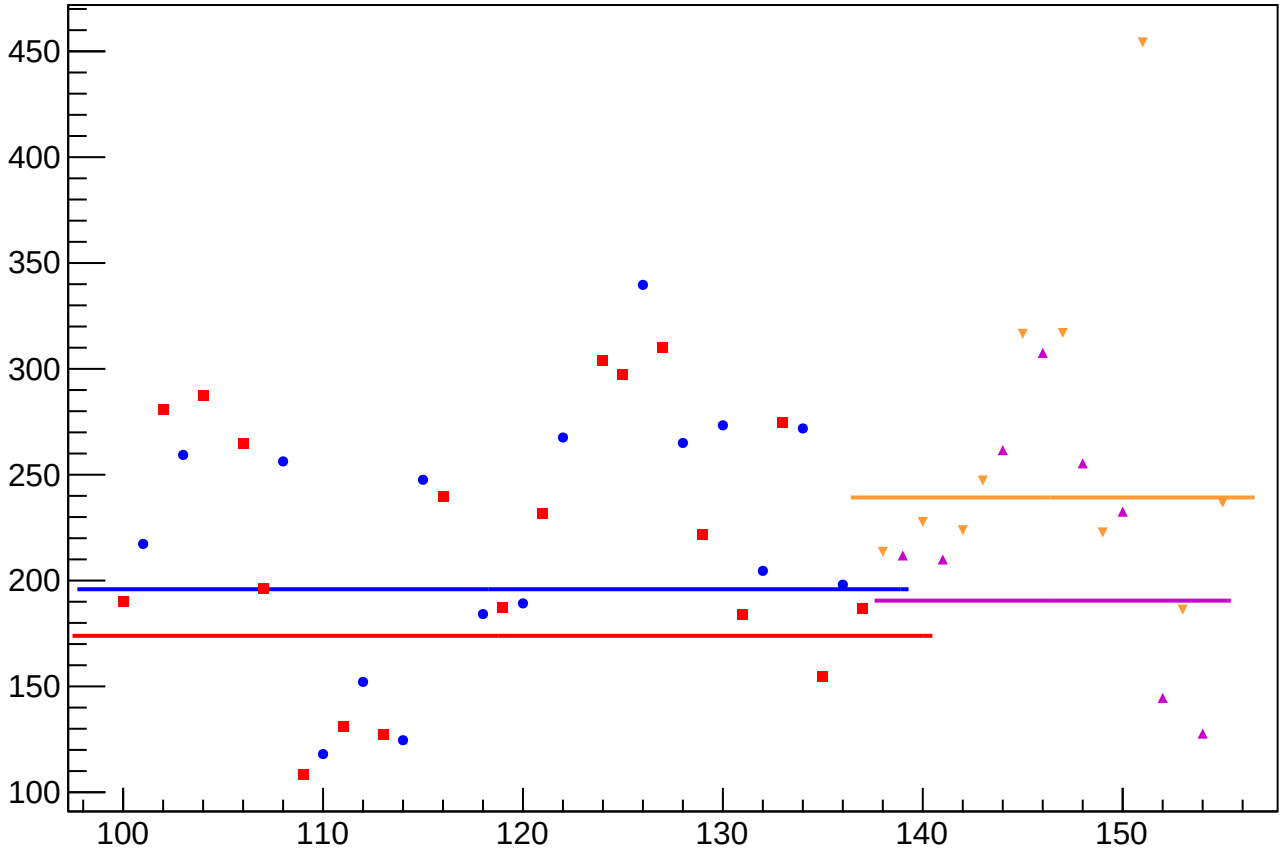
Left In: -183.286+/-78.128 χ^2/NDF:3.3/7

+ sign 69.550+/-58.124 χ^2/NDF: 24.1/25

All: 27.841+/-38.617 χ^2/NDF: 50.4/52

- sign -5.120+/-51.670 χ^2/NDF: 25.4/26

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 239.247+/-0.063 χ^2/NDF:716880.6/9

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

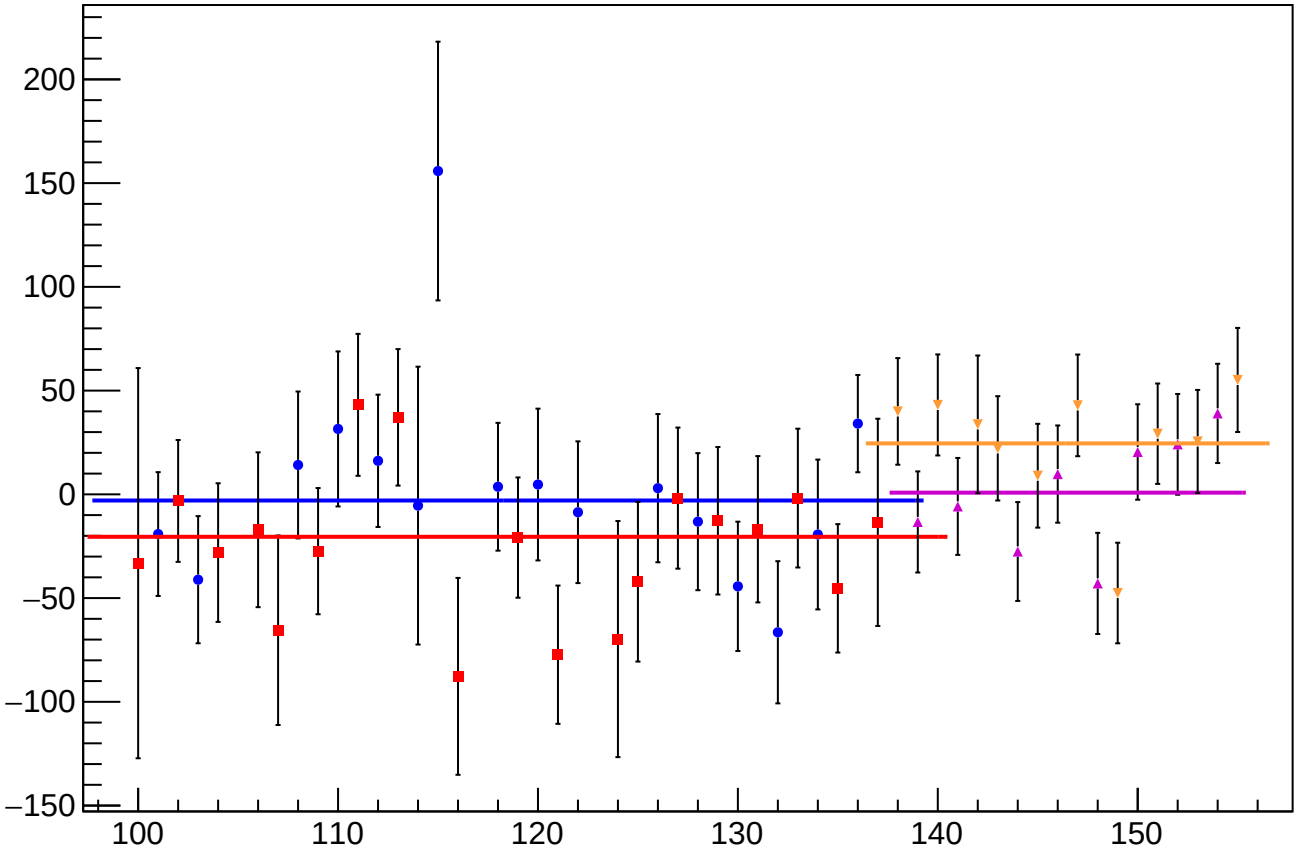
Left In: 190.525+/-0.055 χ^2/NDF:1082572.8/7

+ sign 214.492+/-0.041 χ^2/NDF: 2000360.0/25

All: 195.880+/-0.027 χ^2/NDF: 5100616.7/52

- sign 181.172+/-0.037 χ^2/NDF: 2733120.5/26

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 24.562+/-8.012 χ^2/NDF:12.3/9

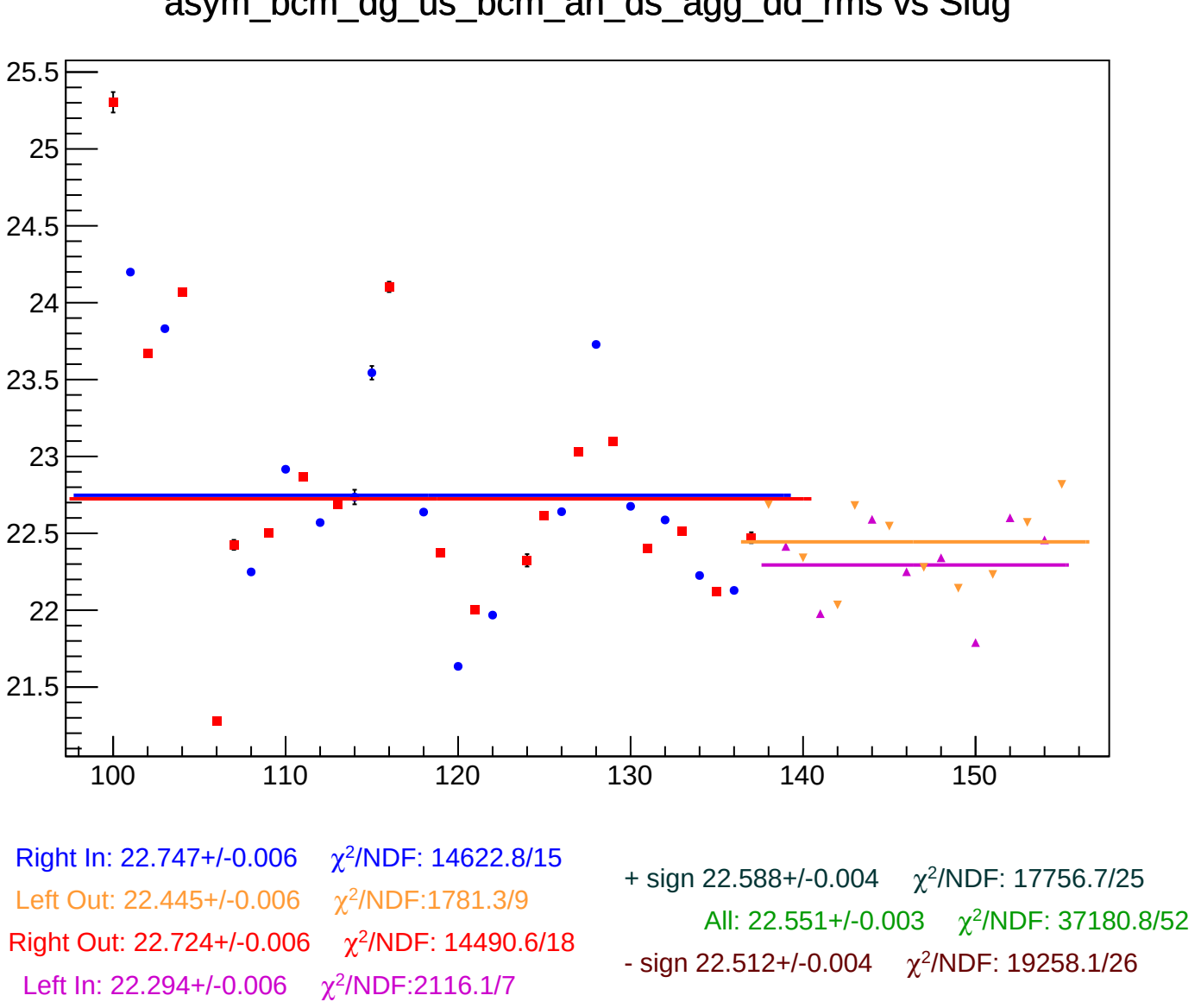
Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

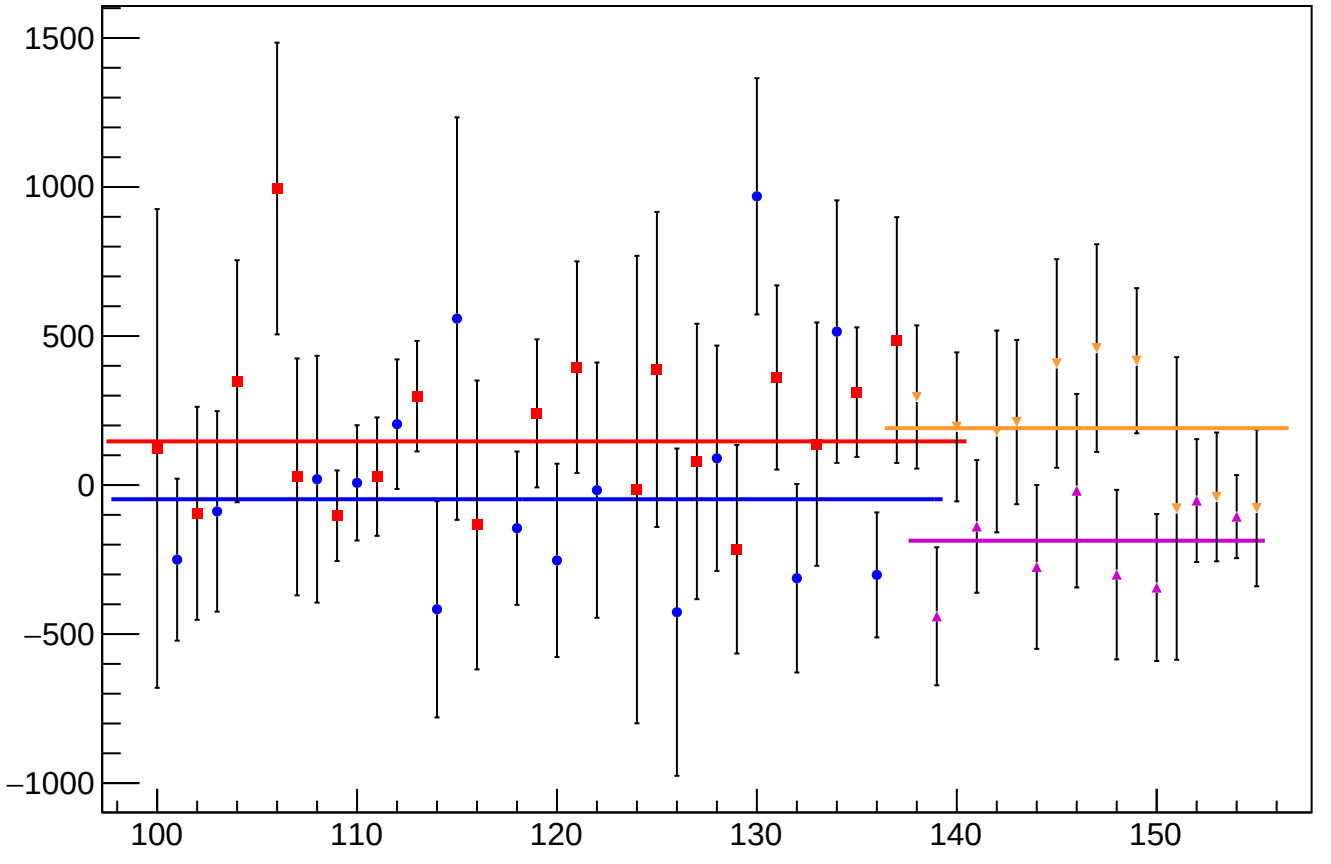
Left In: 0.814+/-8.417 χ^2/NDF:9.4/7

+ sign 11.536+/-5.815 χ^2/NDF: 35.9/25

All: 0.946+/-4.144 χ^2/NDF: 70.5/52

- sign -9.981+/-5.907 χ^2/NDF: 27.9/26


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
100
110
120
130
140
150
Right In: 22.747+/-0.006 χ²/NDF: 14622.8/15
Left Out: 22.445+/-0.006 χ²/NDF:1781.3/9
Right Out: 22.724+/-0.006 χ²/NDF: 14490.6/18
Left In: 22.294+/-0.006 χ²/NDF:2116.1/7
+ sign 22.588+/-0.004 χ²/NDF: 17756.7/25
All: 22.551+/-0.003 χ²/NDF: 37180.8/52
- sign 22.512+/-0.004 χ²/NDF: 19258.1/26



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 190.885+/-88.307 χ^2/NDF:4.5/9

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

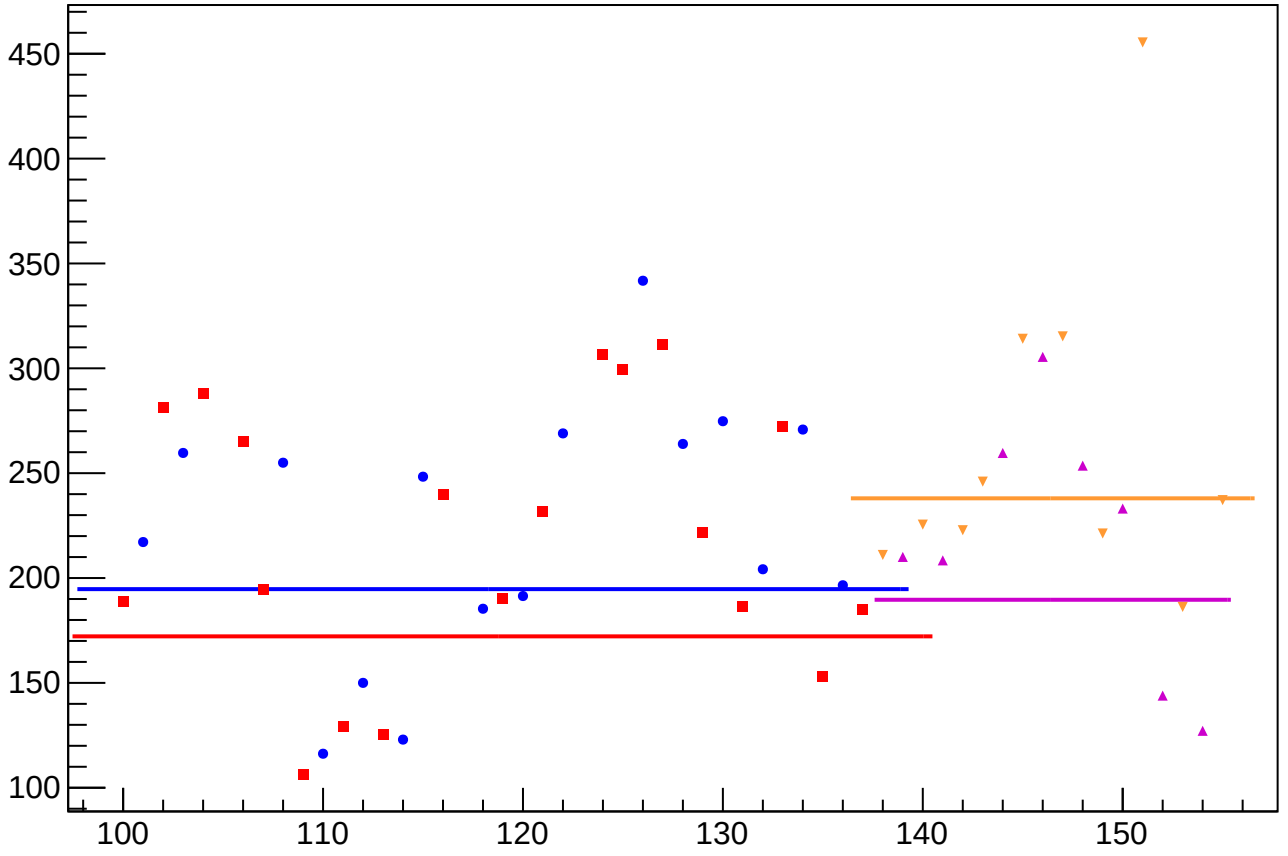
Left In: -186.651+/-77.776 χ^2/NDF:2.9/7

+ sign 54.797+/-57.852 χ^2/NDF: 24.0/25

All: 24.853+/-38.409 χ^2/NDF: 49.4/52

- sign 1.251+/-51.362 χ^2/NDF: 24.9/26

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 238.005+/-0.062 χ^2/NDF:719832.1/9

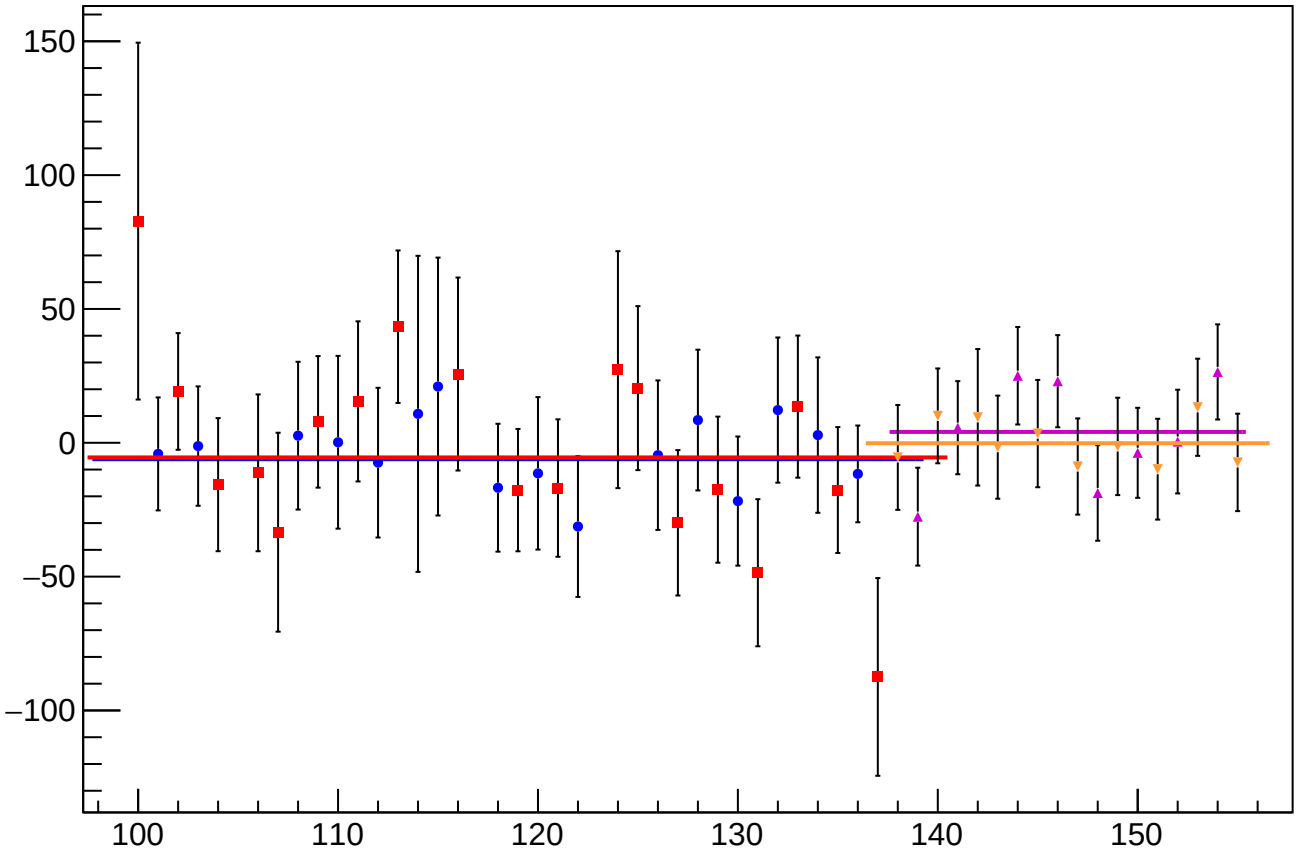
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 189.635+/-0.055 χ^2/NDF:1077227.2/7

+ sign 213.290+/-0.041 χ^2/NDF: 2046570.7/25

All: 194.560+/-0.027 χ^2/NDF: 5226541.2/52

- sign 179.796+/-0.036 χ^2/NDF: 2805058.0/26



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -0.164+/-6.030 χ^2/NDF:1.8/9

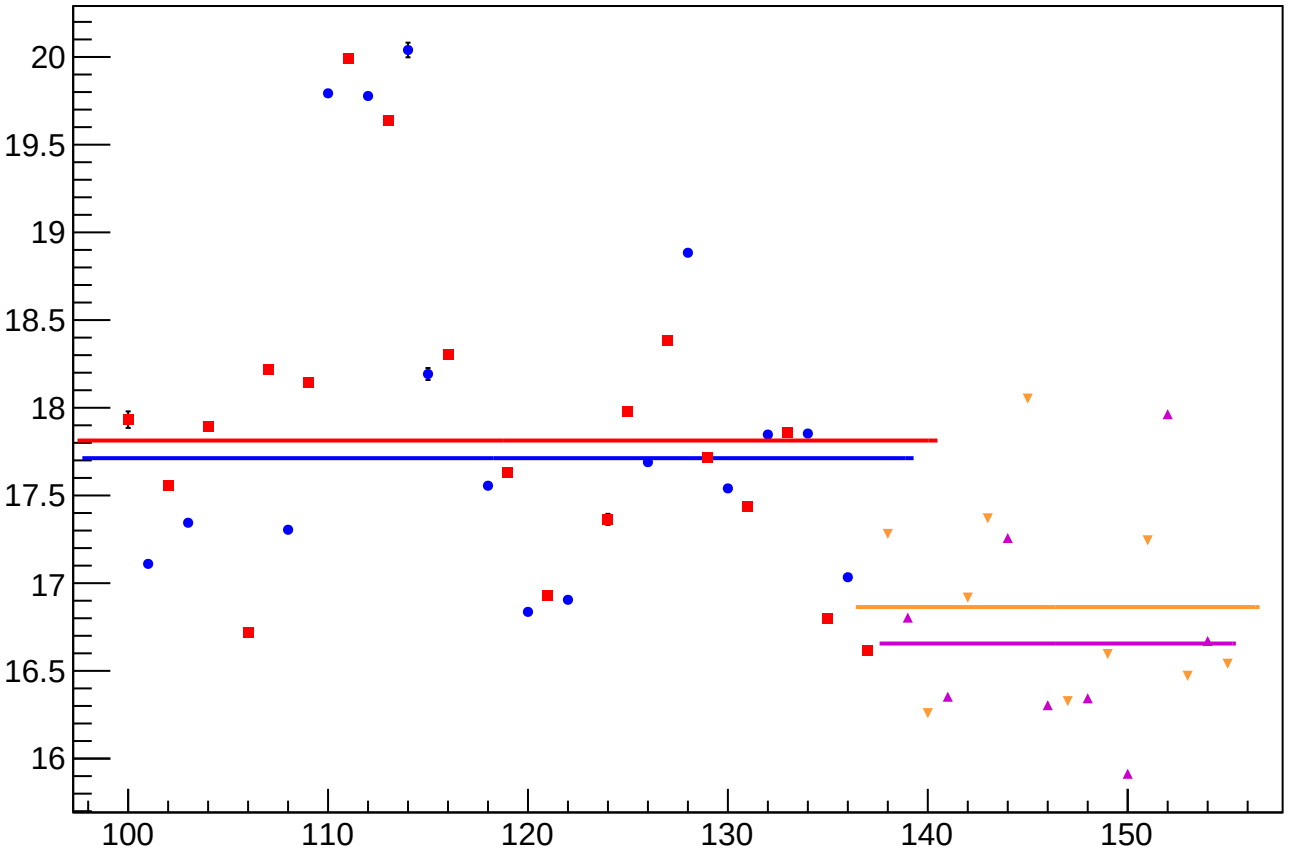
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 4.059+/-6.301 χ^2/NDF:9.0/7

+ sign -2.877+/-4.449 χ^2/NDF: 5.4/25

All: -1.734+/-3.173 χ^2/NDF: 34.8/52

- sign -0.551+/-4.527 χ^2/NDF: 29.3/26



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.864+/-0.004 χ^2/NDF:16248.7/9

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

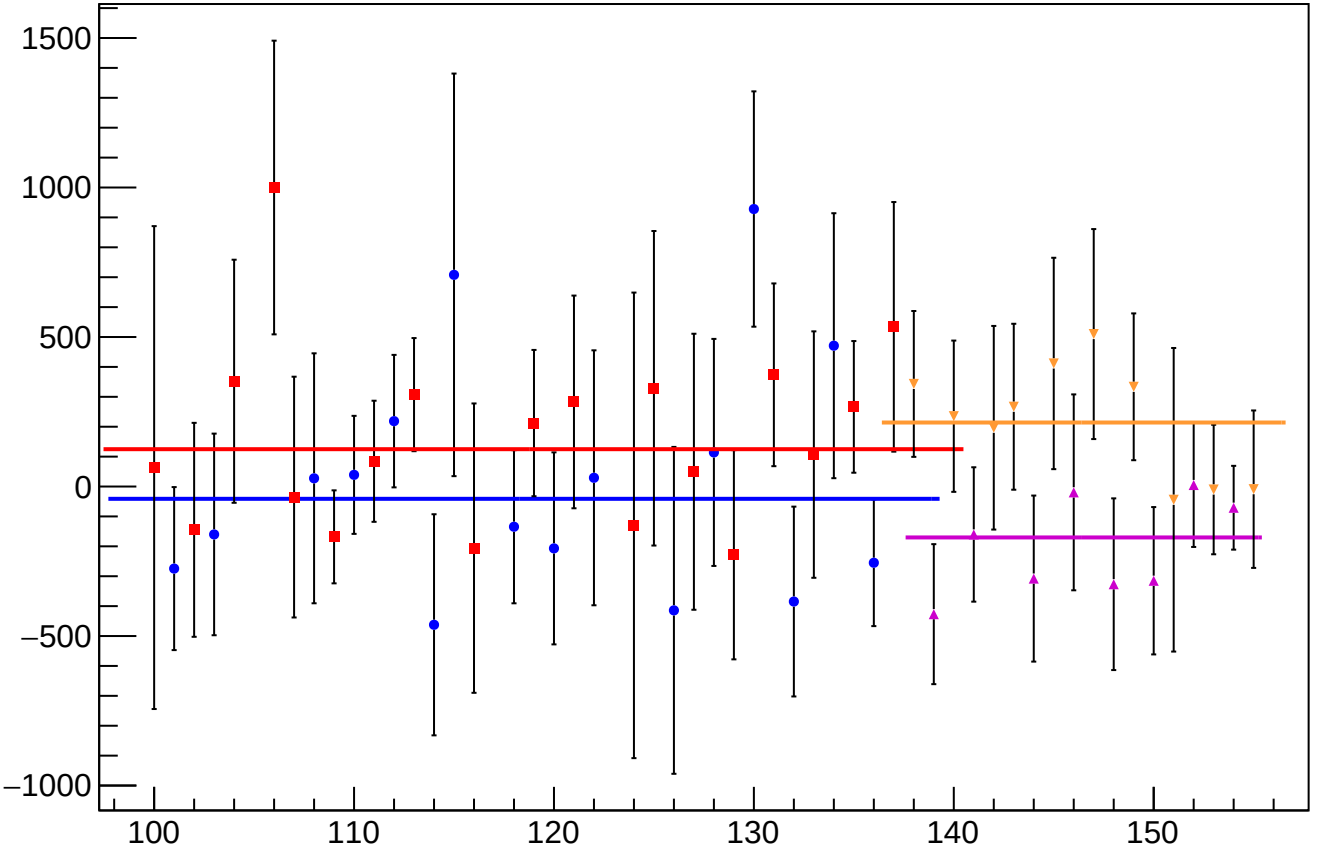
Left In: 16.656+/-0.004 χ^2/NDF:17383.6/7

+ sign 17.250+/-0.003 χ^2/NDF: 70289.6/25

All: 17.233+/-0.002 χ^2/NDF: 153094.3/52

- sign 17.216+/-0.003 χ^2/NDF: 82745.0/26

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 214.063+/-88.951 χ^2/NDF:3.6/9

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

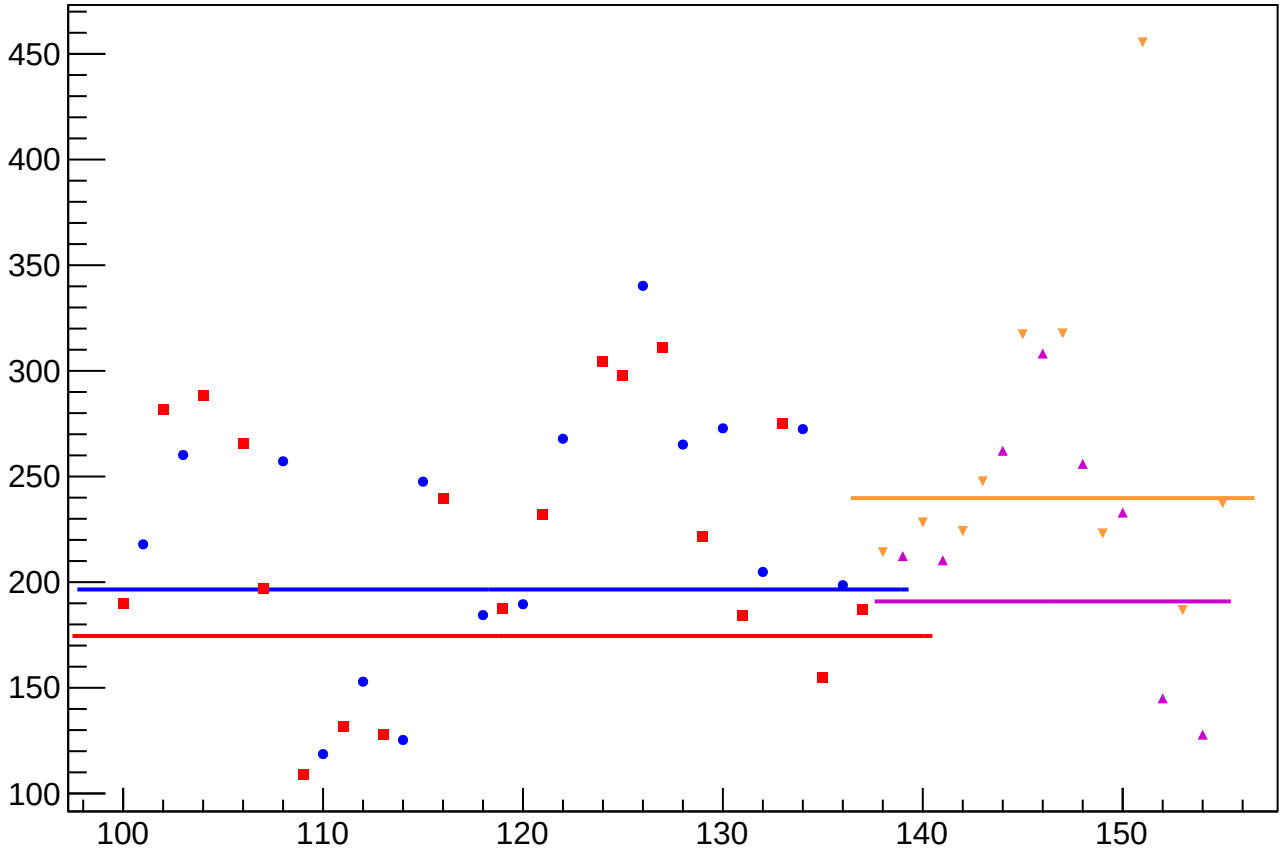
Left In: -170.291+/-78.286 χ^2/NDF:3.5/7

\+ sign 68.418+/-58.277 χ^2/NDF: 23.9/25

All: 27.744+/-38.720 χ^2/NDF: 49.2/52

\- sign -4.403+/-51.809 χ^2/NDF: 24.4/26

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 239.791+/-0.063 χ^2/NDF:716941.1/9

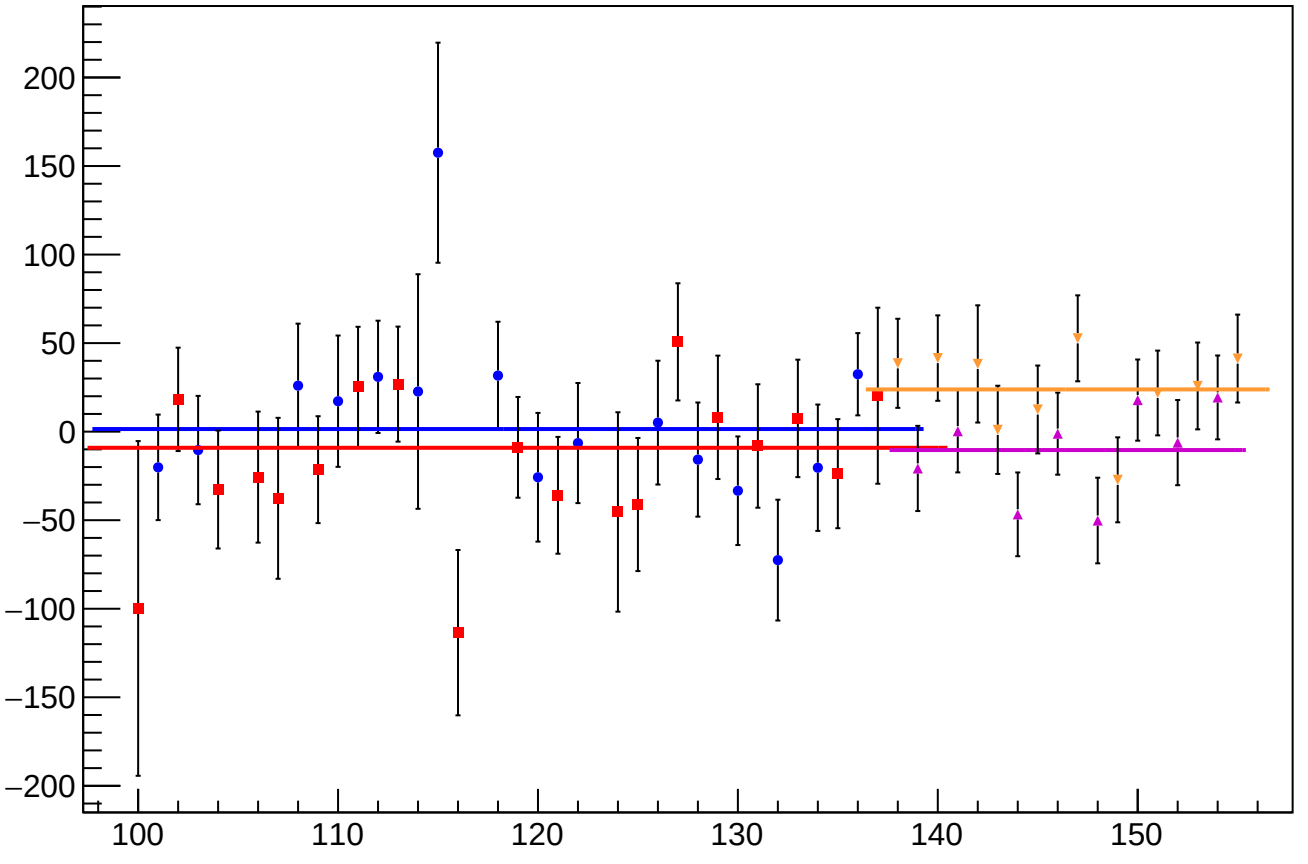
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 190.895+/-0.055 χ^2/NDF:1084108.3/7

+ sign 215.106+/-0.041 χ^2/NDF: 1987564.5/25

All: 196.449+/-0.027 χ^2/NDF: 5076459.9/52

- sign 181.703+/-0.037 χ^2/NDF: 2721890.8/26



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 23.849+/-7.927 χ^2/NDF:8.6/9

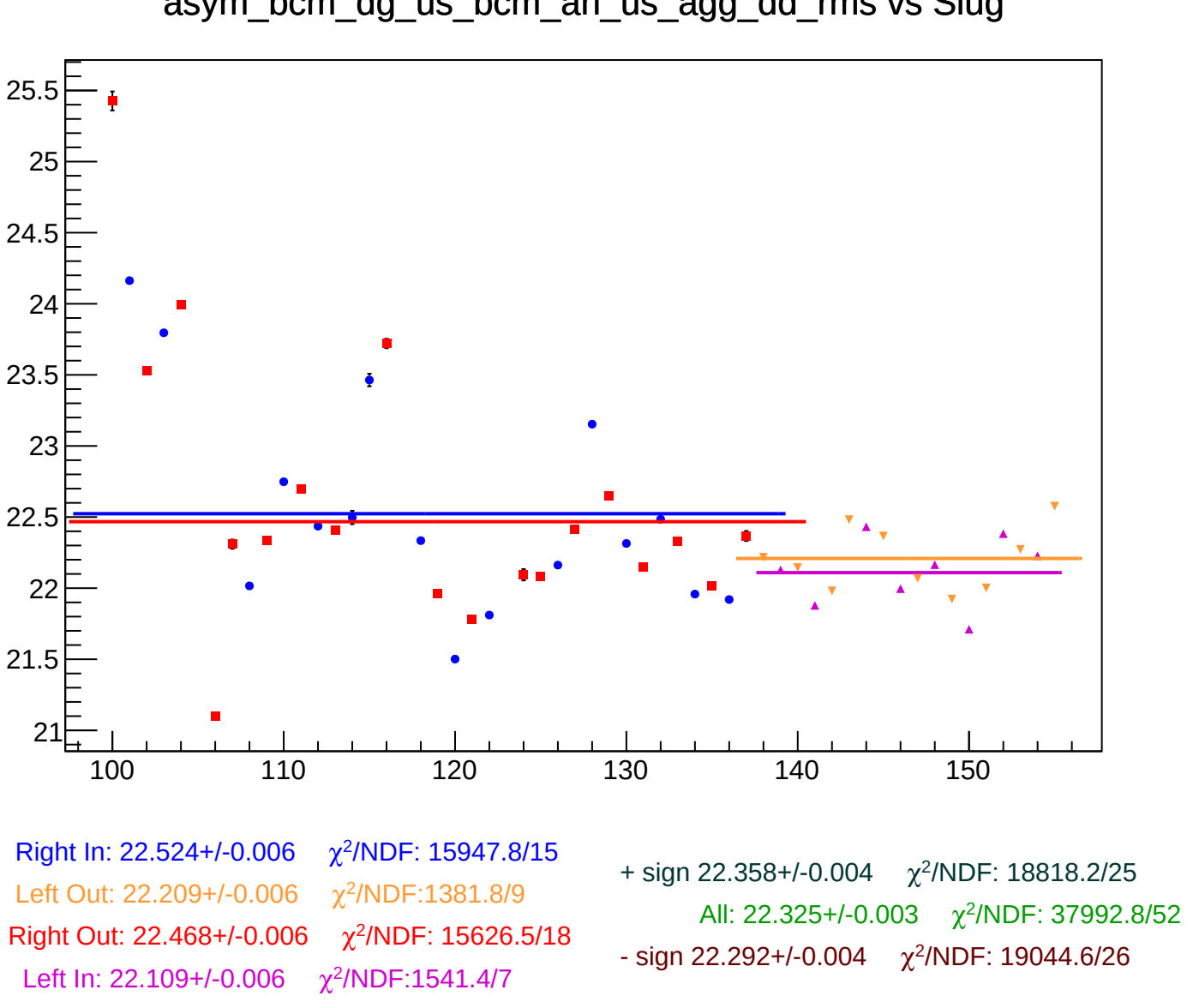
Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

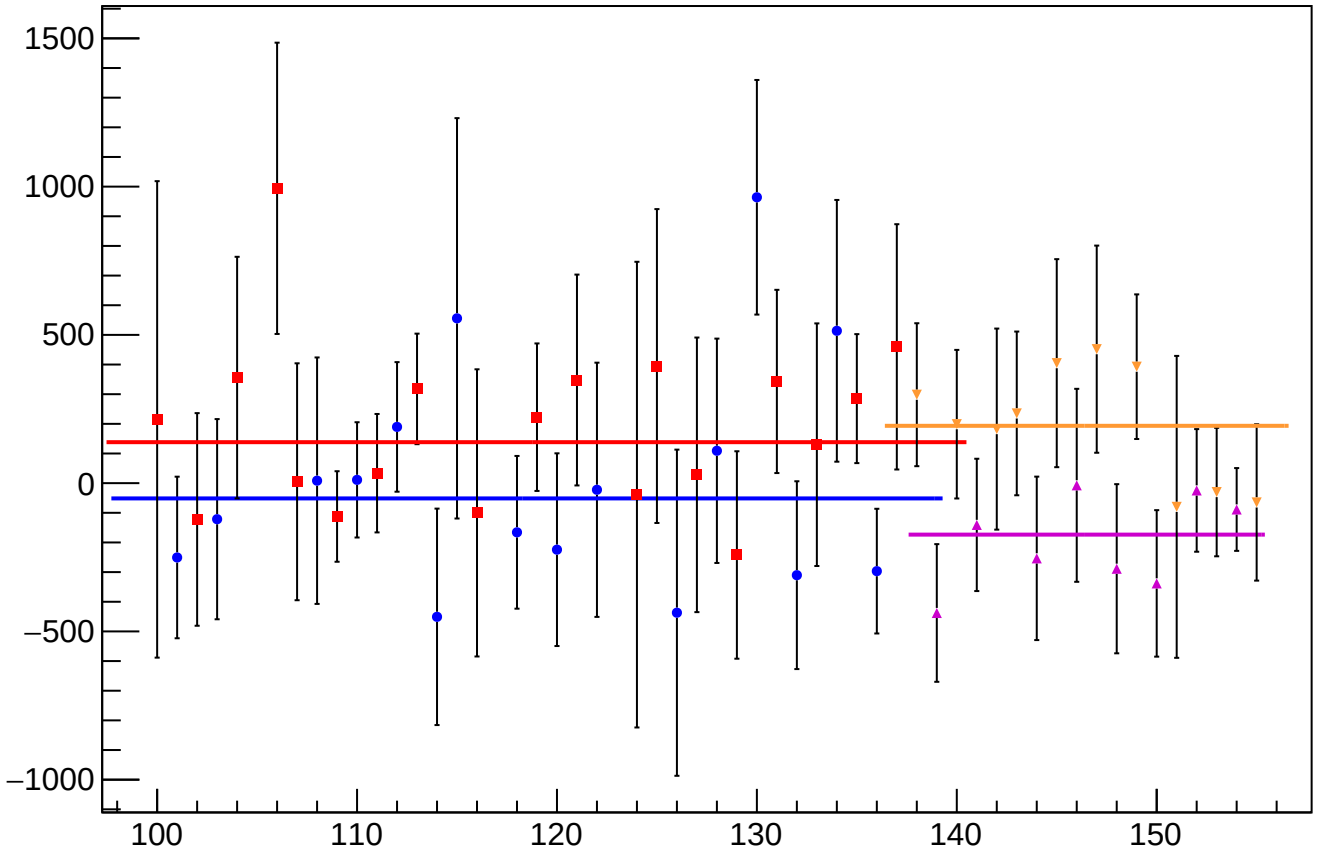
Left In: -10.389+/-8.346 χ^2/NDF:8.7/7

+ sign 13.271+/-5.756 χ^2/NDF: 31.0/25

All: 1.950+/-4.102 χ^2/NDF: 64.1/52

- sign -9.740+/-5.848 χ^2/NDF: 25.2/26


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21
100
110
120
130
140
150
Right In: 22.524+/-0.006 χ²/NDF: 15947.8/15
Left Out: 22.209+/-0.006 χ²/NDF:1381.8/9
Right Out: 22.468+/-0.006 χ²/NDF: 15626.5/18
Left In: 22.109+/-0.006 χ²/NDF:1541.4/7
+ sign 22.358+/-0.004 χ²/NDF: 18818.2/25
All: 22.325+/-0.003 χ²/NDF: 37992.8/52
- sign 22.292+/-0.004 χ²/NDF: 19044.6/26



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 193.362+/-88.509 χ^2/NDF:4.1/9

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

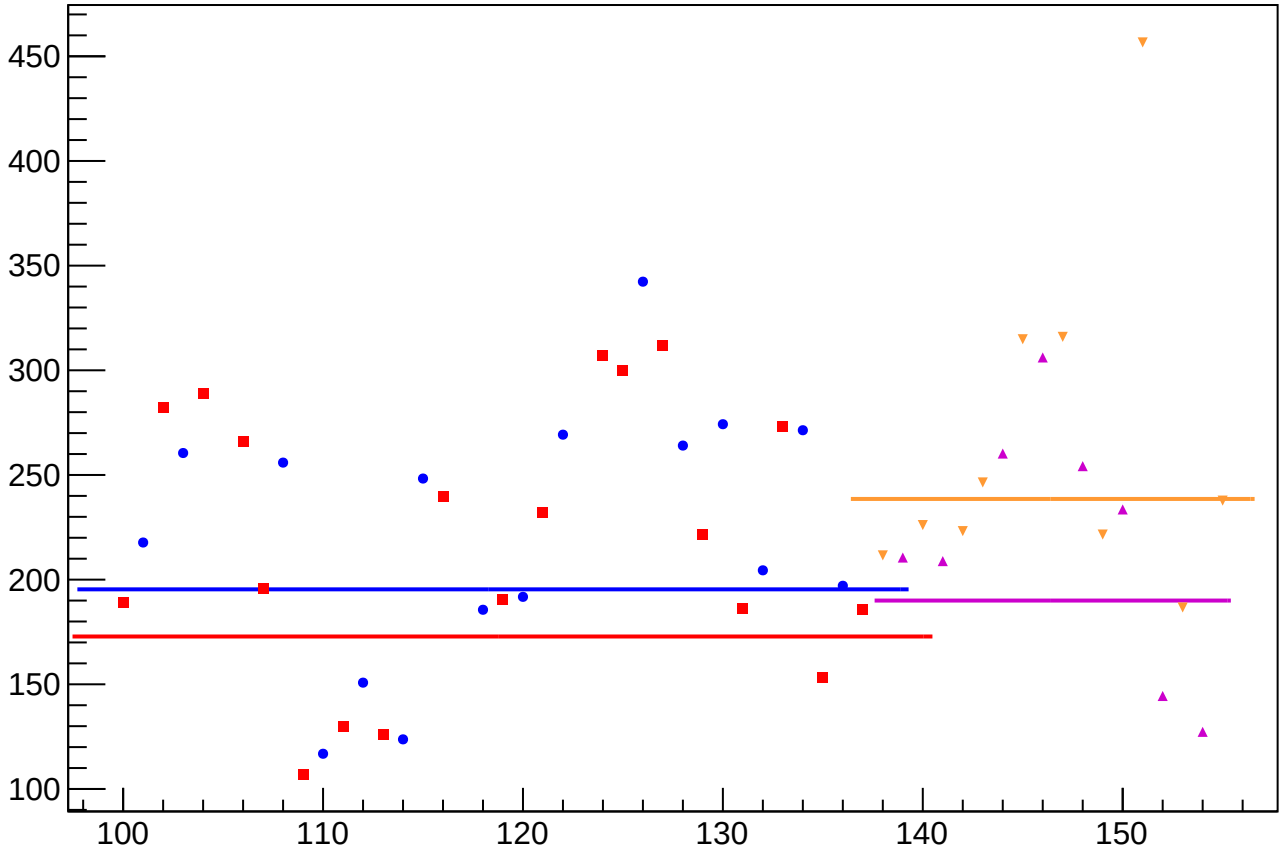
Left In: -173.575+/-77.934 χ^2/NDF:3.2/7

\+ sign 53.675+/-58.006 χ^2/NDF: 23.8/25

All: 24.796+/-38.513 χ^2/NDF: 48.0/52

\- sign 2.028+/-51.503 χ^2/NDF: 23.8/26

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: 238.548+/-0.063 χ^2/NDF:719922.8/9

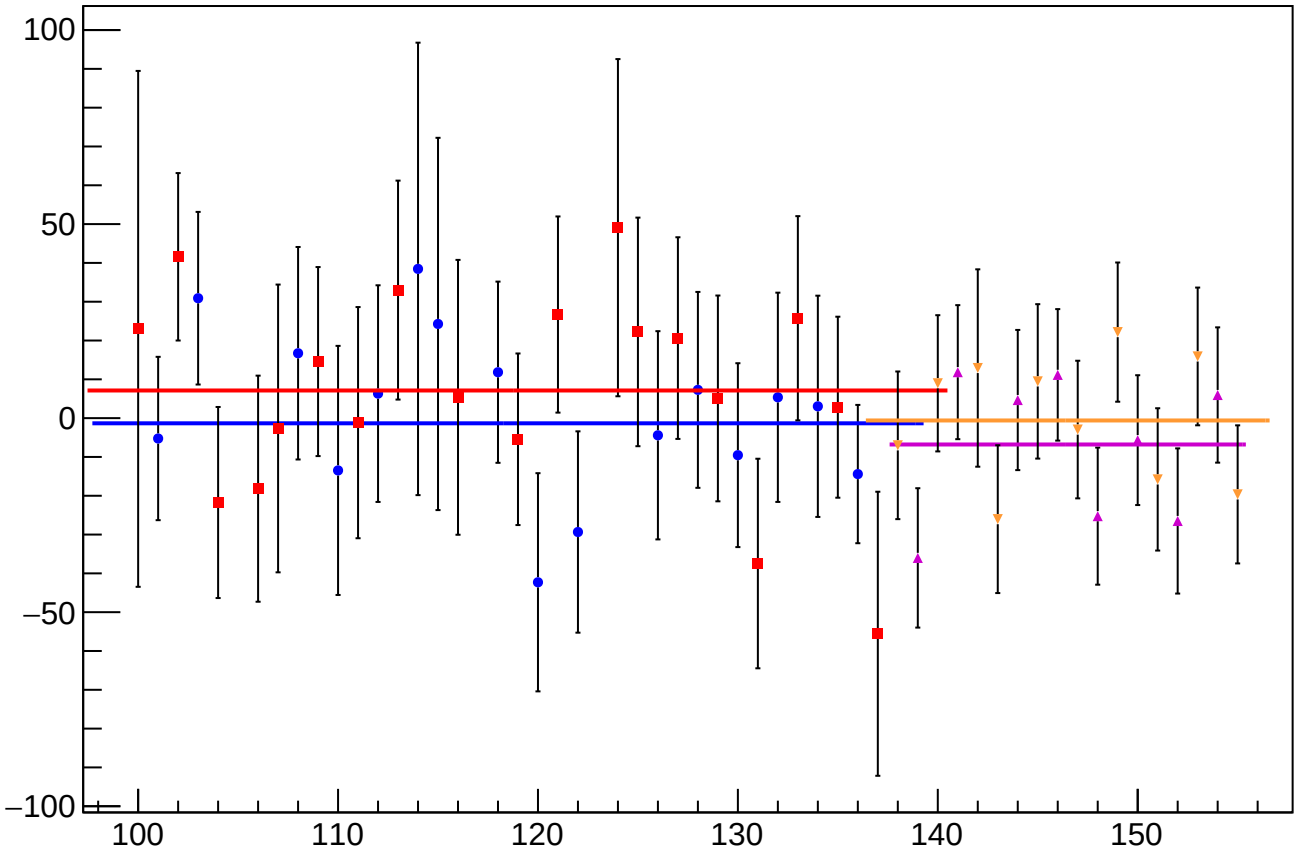
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 190.007+/-0.055 χ^2/NDF:1078779.9/7

+ sign 213.910+/-0.041 χ^2/NDF: 2033011.2/25

All: 195.136+/-0.027 χ^2/NDF: 5200573.7/52

- sign 180.336+/-0.036 χ^2/NDF: 2792891.0/26



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.600+/-5.930 χ^2/NDF:7.1/9

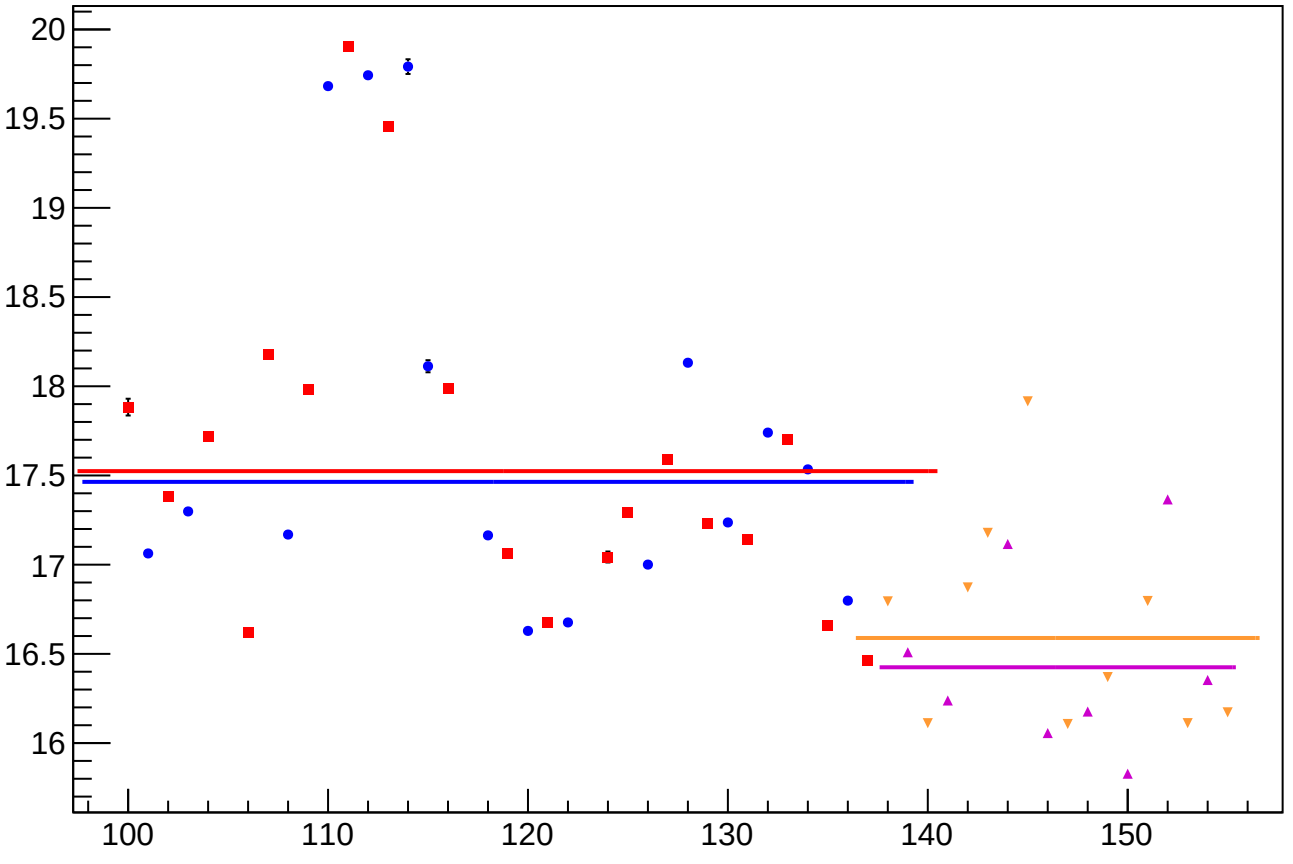
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -6.789+/-6.210 χ^2/NDF:8.1/7

\+ sign -0.932+/-4.380 χ^2/NDF: 15.1/25

All: -0.495+/-3.124 χ^2/NDF: 40.0/52

\- sign -0.043+/-4.457 χ^2/NDF: 24.9/26



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.589+/-0.004 χ^2/NDF:17346.7/9

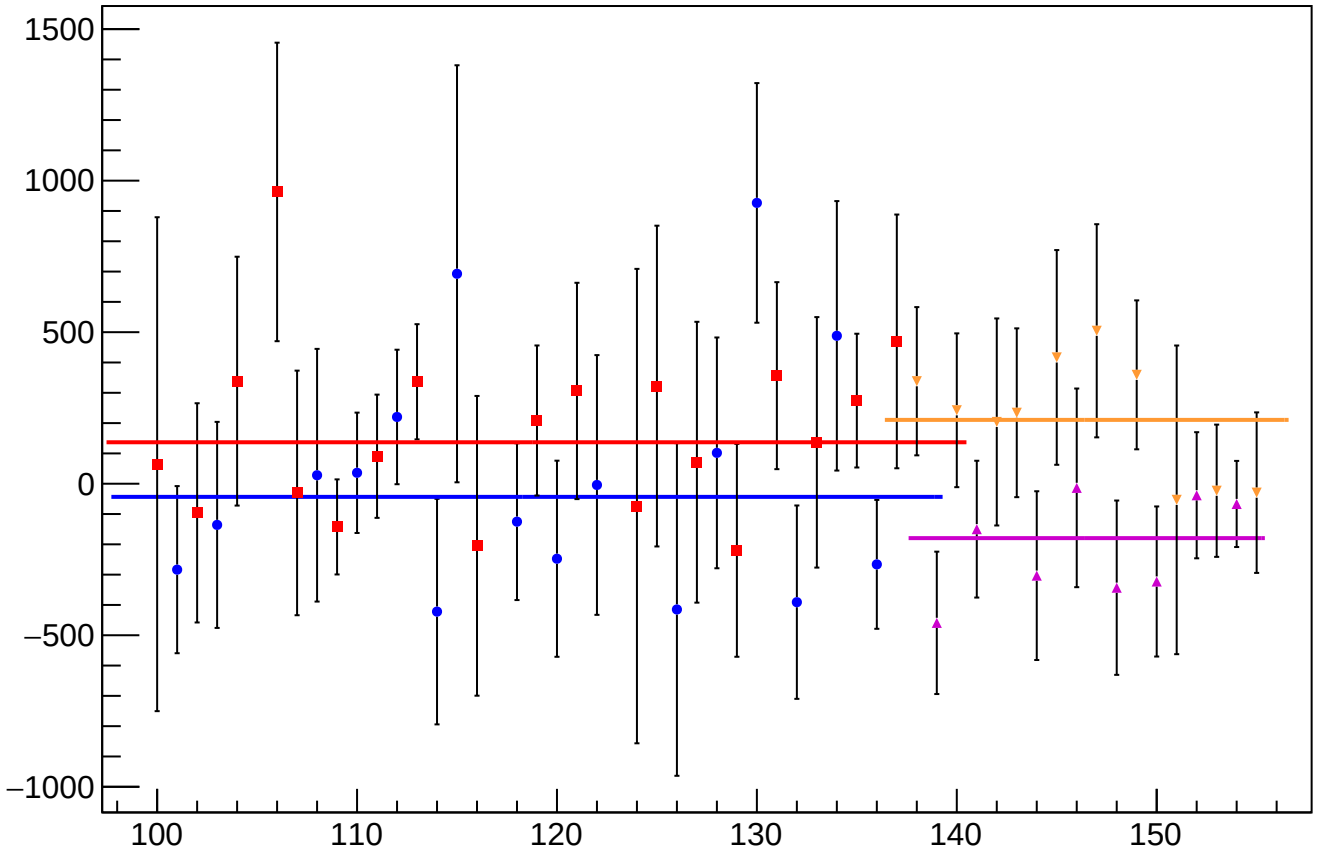
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.425+/-0.004 χ^2/NDF:12185.3/7

\+ sign 16.987+/-0.003 χ^2/NDF: 73786.6/25

All: 16.973+/-0.002 χ^2/NDF: 151132.2/52

\- sign 16.958+/-0.003 χ^2/NDF: 77303.1/26



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 210.620+/-89.283 χ^2/NDF:3.9/9

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

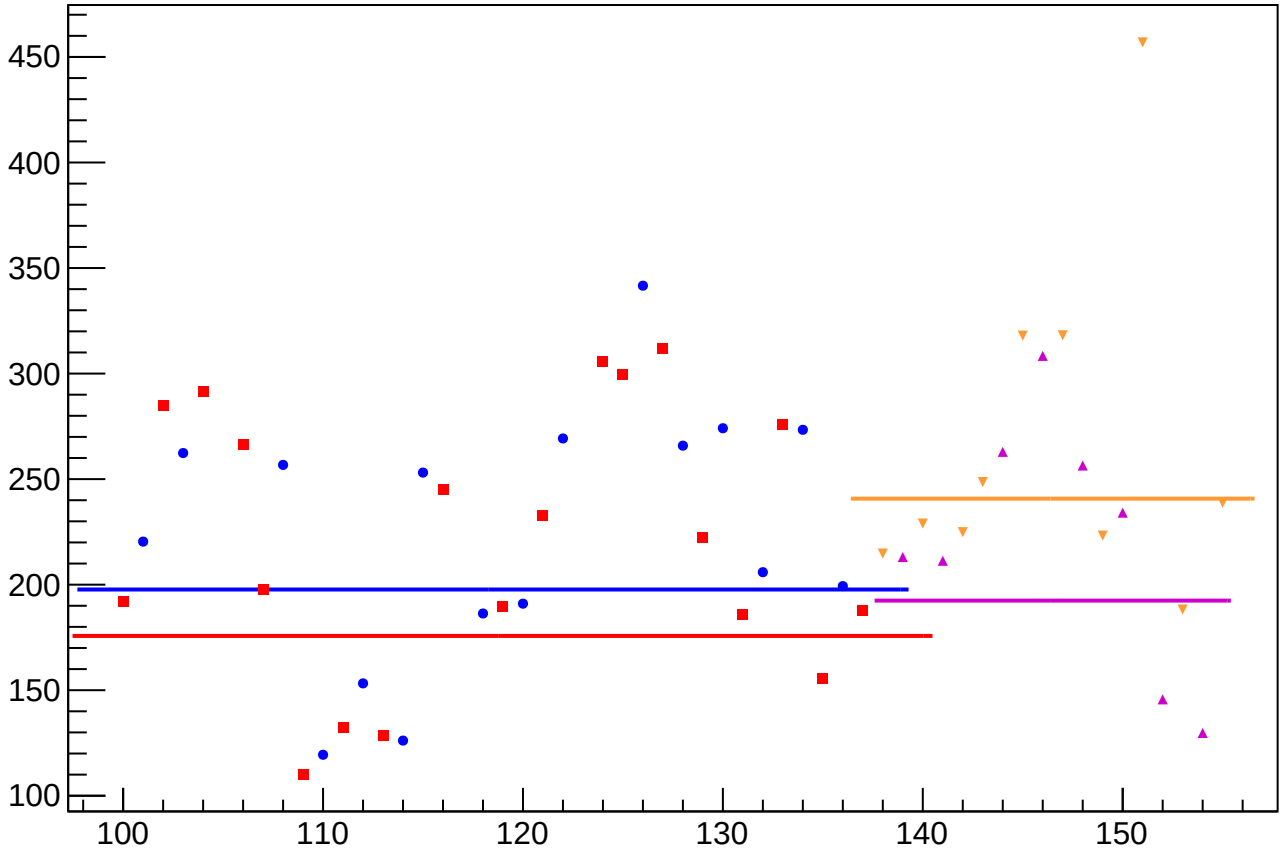
Left In: -179.520+/-78.815 χ^2/NDF:3.6/7

+ sign 65.898+/-58.562 χ^2/NDF: 24.0/25

All: 28.192+/-38.947 χ^2/NDF: 49.0/52

- sign -1.710+/-52.152 χ^2/NDF: 24.2/26

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 240.753+/-0.063 χ^2/NDF:711212.8/9

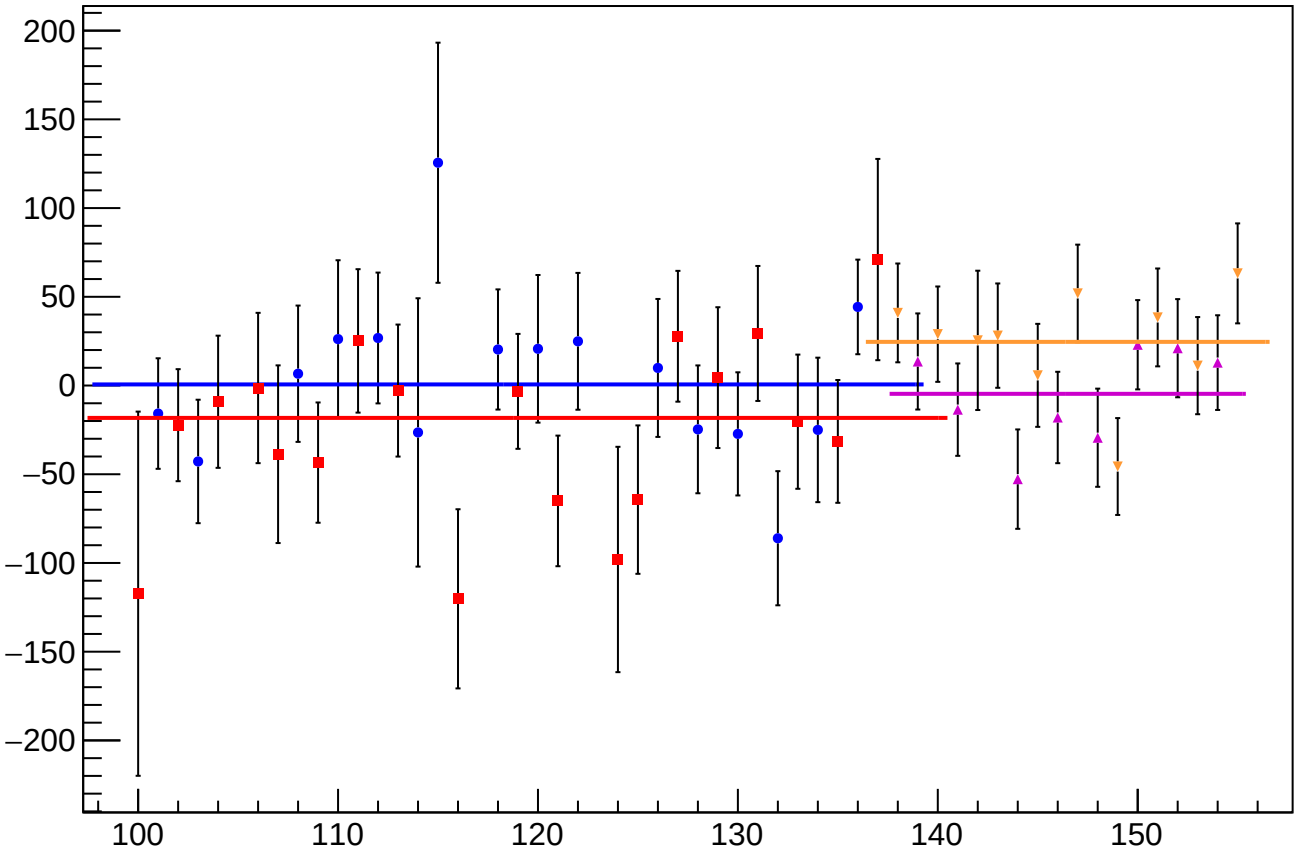
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 192.452+/-0.056 χ^2/NDF:1054052.6/7

+ sign 216.227+/-0.041 χ^2/NDF: 1976423.7/25

All: 197.720+/-0.028 χ^2/NDF: 5029870.5/52

- sign 183.044+/-0.037 χ^2/NDF: 2695312.1/26



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 24.607+/-9.037 χ^2/NDF:10.8/9

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

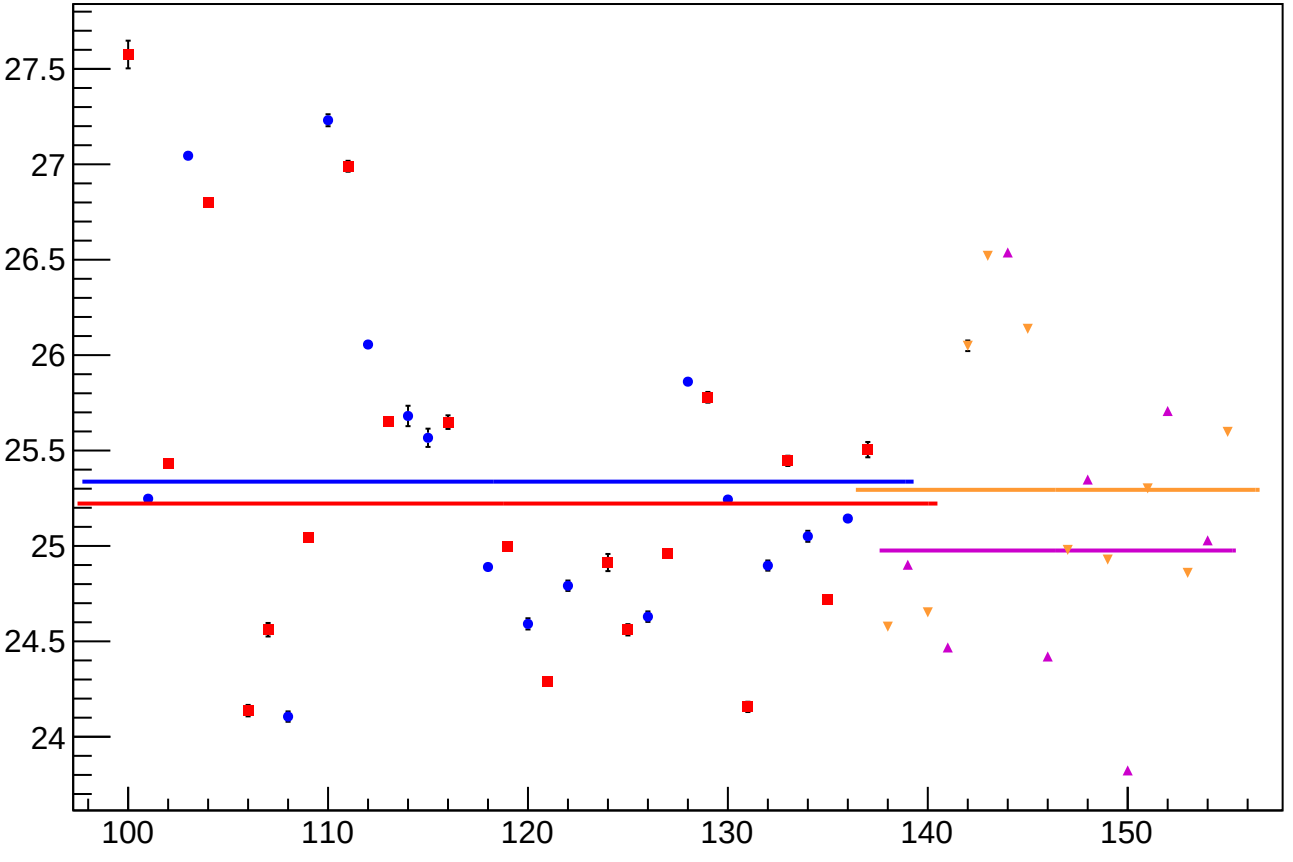
Left In: -4.681+/-9.441 χ^2/NDF:7.1/7

\+ sign 13.112+/-6.522 χ^2/NDF: 30.9/25

All: 0.871+/-4.636 χ^2/NDF: 64.2/52

\- sign -11.634+/-6.592 χ^2/NDF: 26.1/26

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: 25.294+/-0.006 χ^2/NDF:9738.9/9

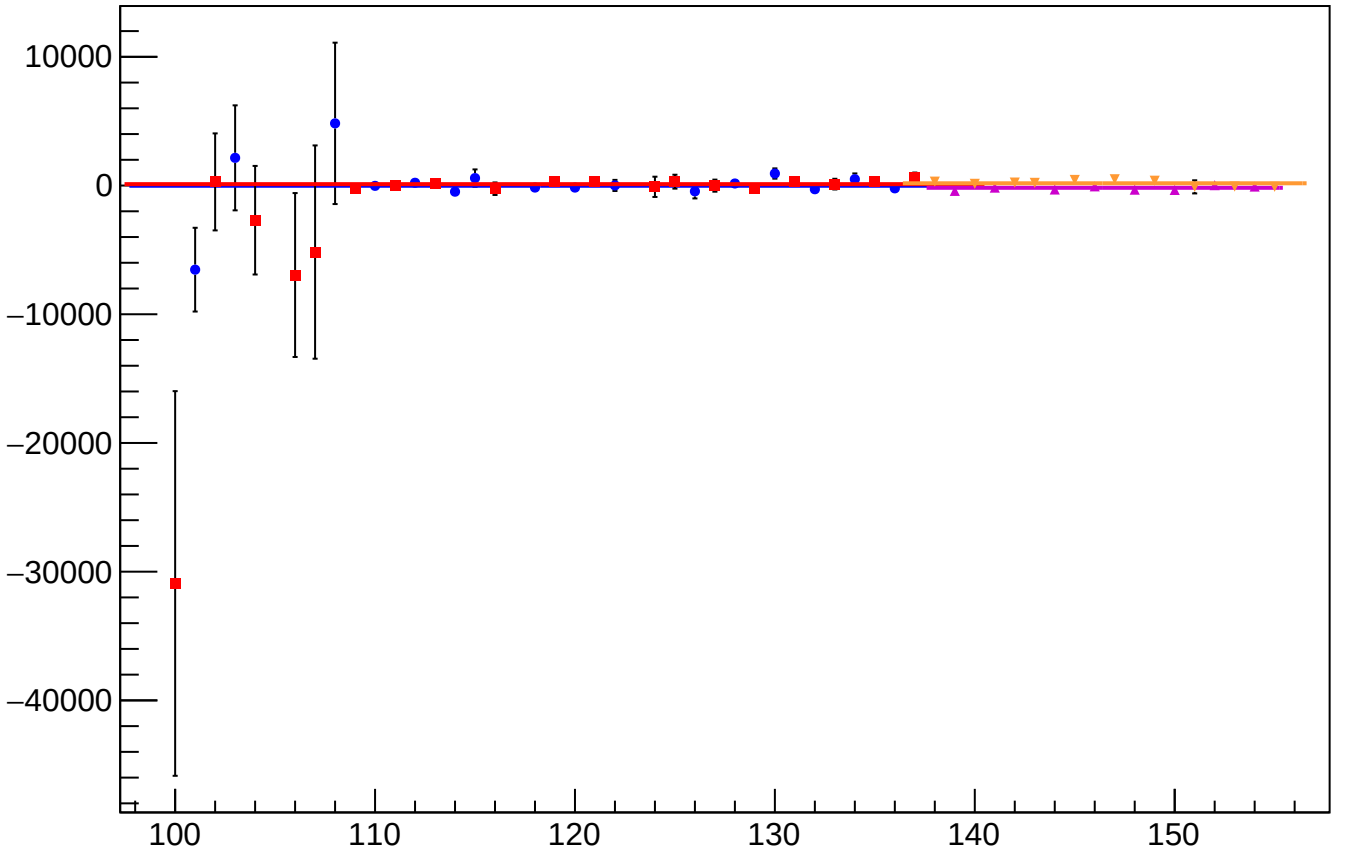
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.976+/-0.007 χ^2/NDF:13888.4/7

+ sign 25.315+/-0.005 χ^2/NDF: 24075.5/25

All: 25.210+/-0.003 χ^2/NDF: 54934.8/52

- sign 25.102+/-0.005 χ^2/NDF: 29809.3/26



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 175.619+/-91.023 χ^2/NDF:4.8/9

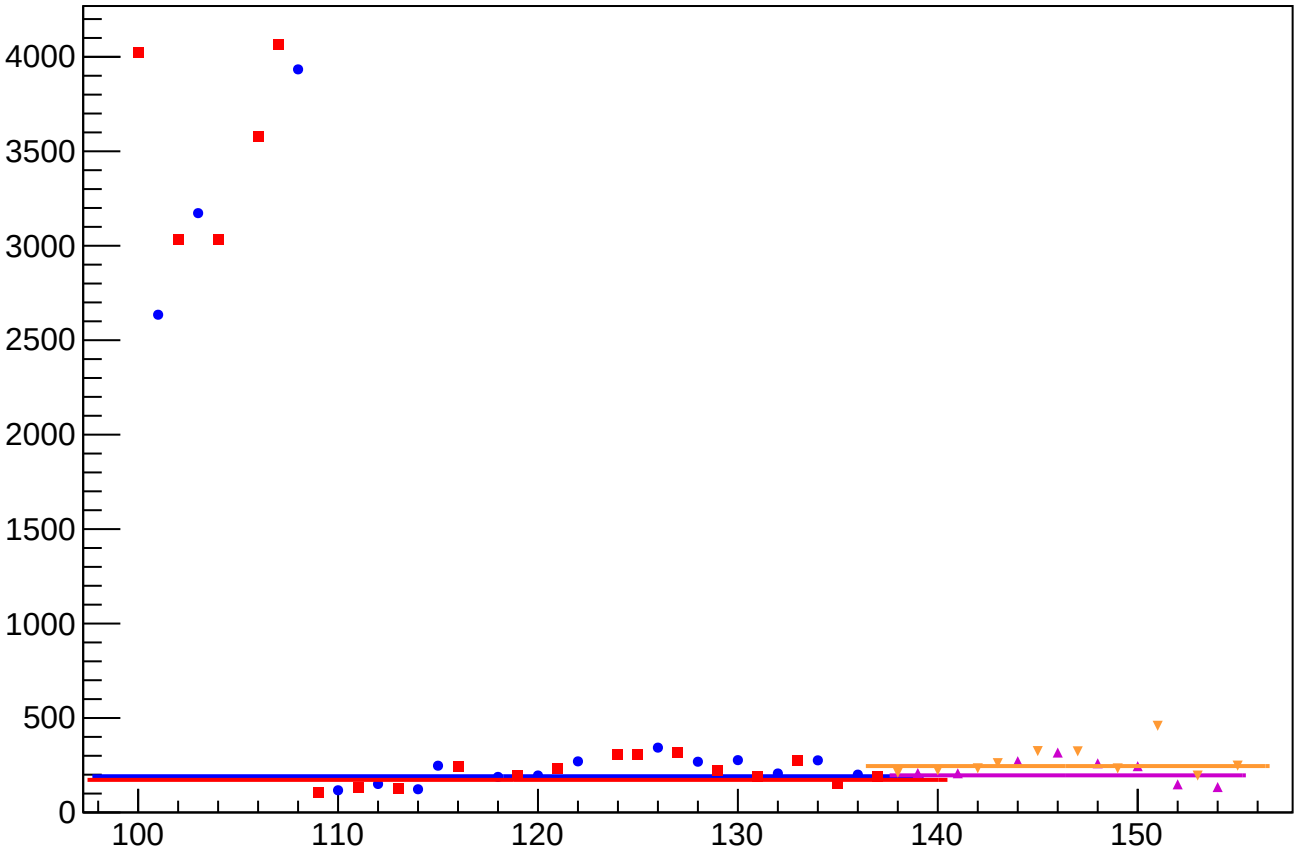
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -174.470+/-80.313 χ^2/NDF:3.4/7

+ sign 73.219+/-62.007 χ^2/NDF: 25.5/25

All: 16.986+/-41.556 χ^2/NDF: 50.9/52

- sign -28.864+/-55.990 χ^2/NDF: 23.9/26



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 245.528+/-0.064 χ^2/NDF:711182.4/9

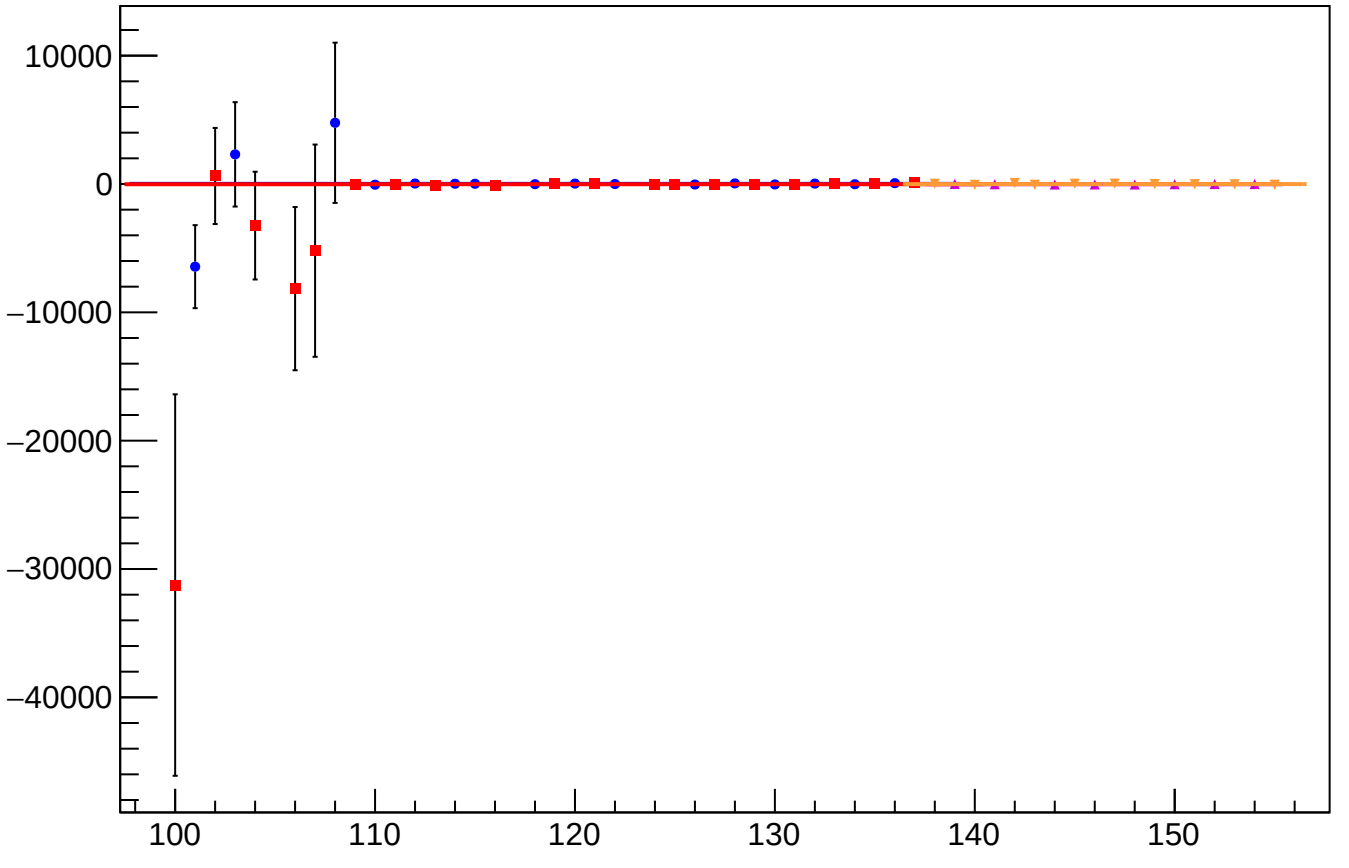
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 196.439+/-0.057 χ^2/NDF:1023216.3/7

+ sign 216.699+/-0.044 χ^2/NDF: 4907338.4/25

All: 198.750+/-0.029 χ^2/NDF: 10629516.2/52

- sign 184.116+/-0.040 χ^2/NDF: 5417963.1/26



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -9.188+/-10.589 χ^2/NDF:13.3/9

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

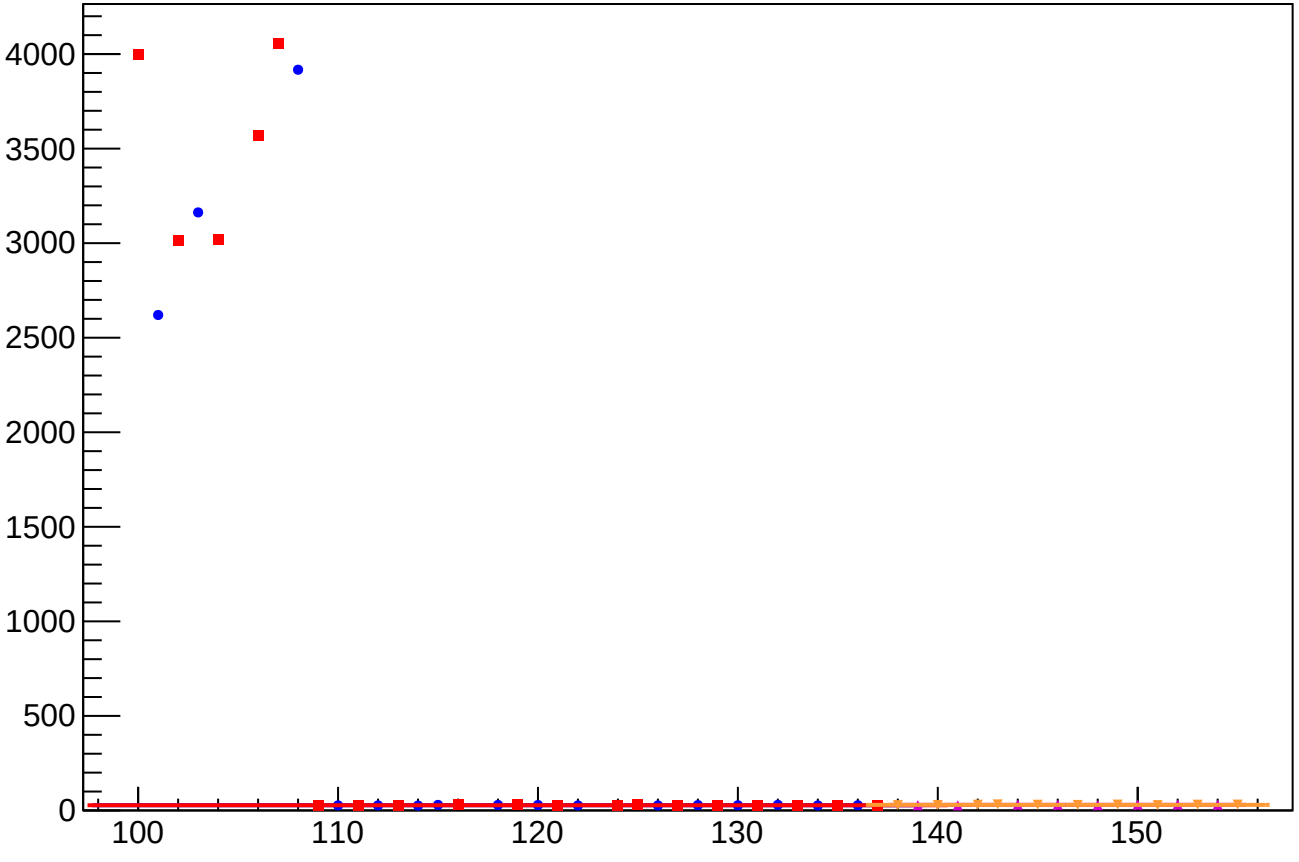
Left In: -17.399+/-11.247 χ^2/NDF:2.2/7

\+ sign -0.727+/-7.847 χ^2/NDF: 30.7/25

All: -8.916+/-5.650 χ^2/NDF: 60.0/52

\- sign -17.735+/-8.143 χ^2/NDF: 27.0/26

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: 29.568+/-0.007 χ^2/NDF:30614.2/9

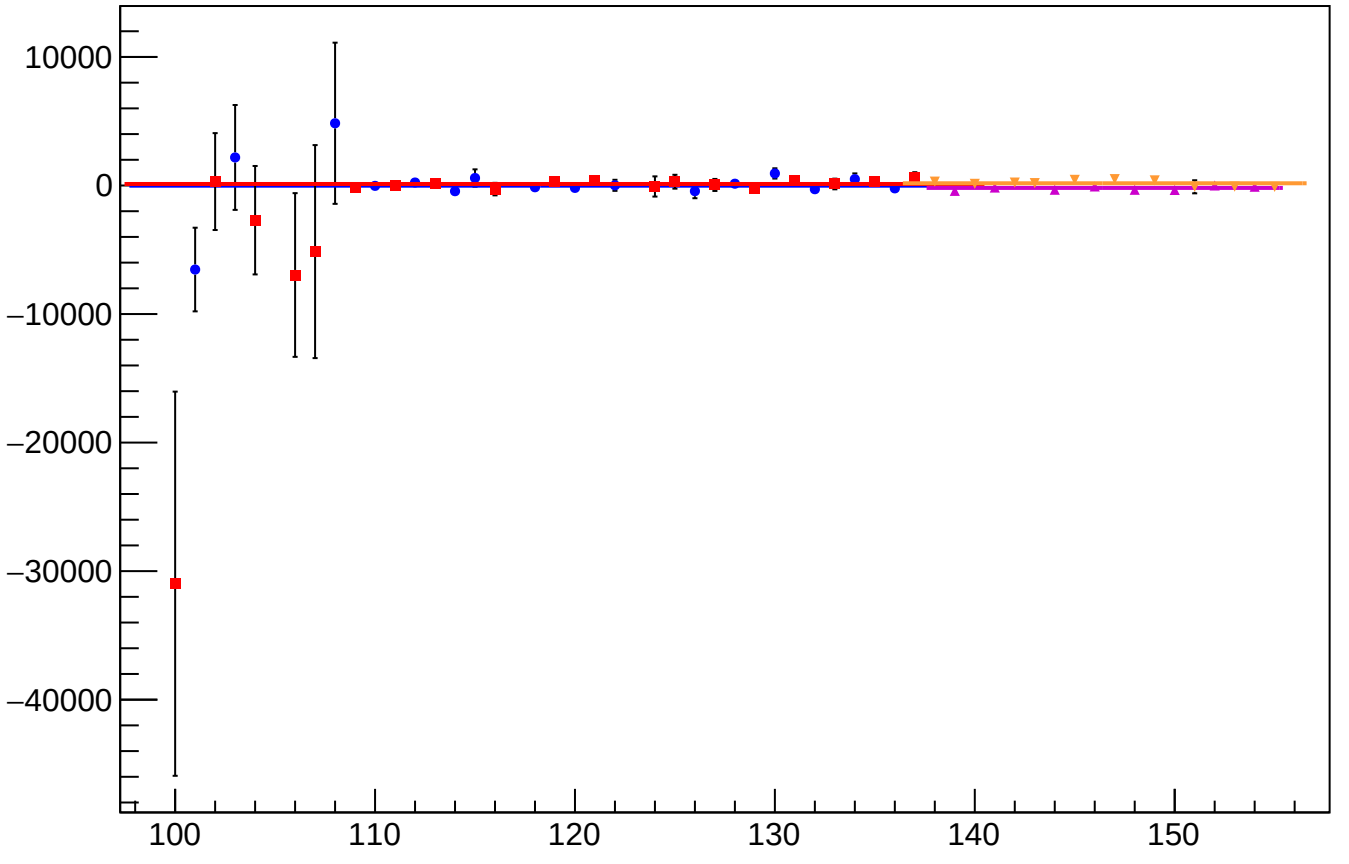
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.662+/-0.008 χ^2/NDF:41613.5/7

+ sign 28.700+/-0.006 χ^2/NDF: 3325974.5/25

All: 28.676+/-0.004 χ^2/NDF: 6956898.6/52

- sign 28.650+/-0.006 χ^2/NDF: 3630885.1/26



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 173.034+/-90.820 χ^2/NDF:5.2/9

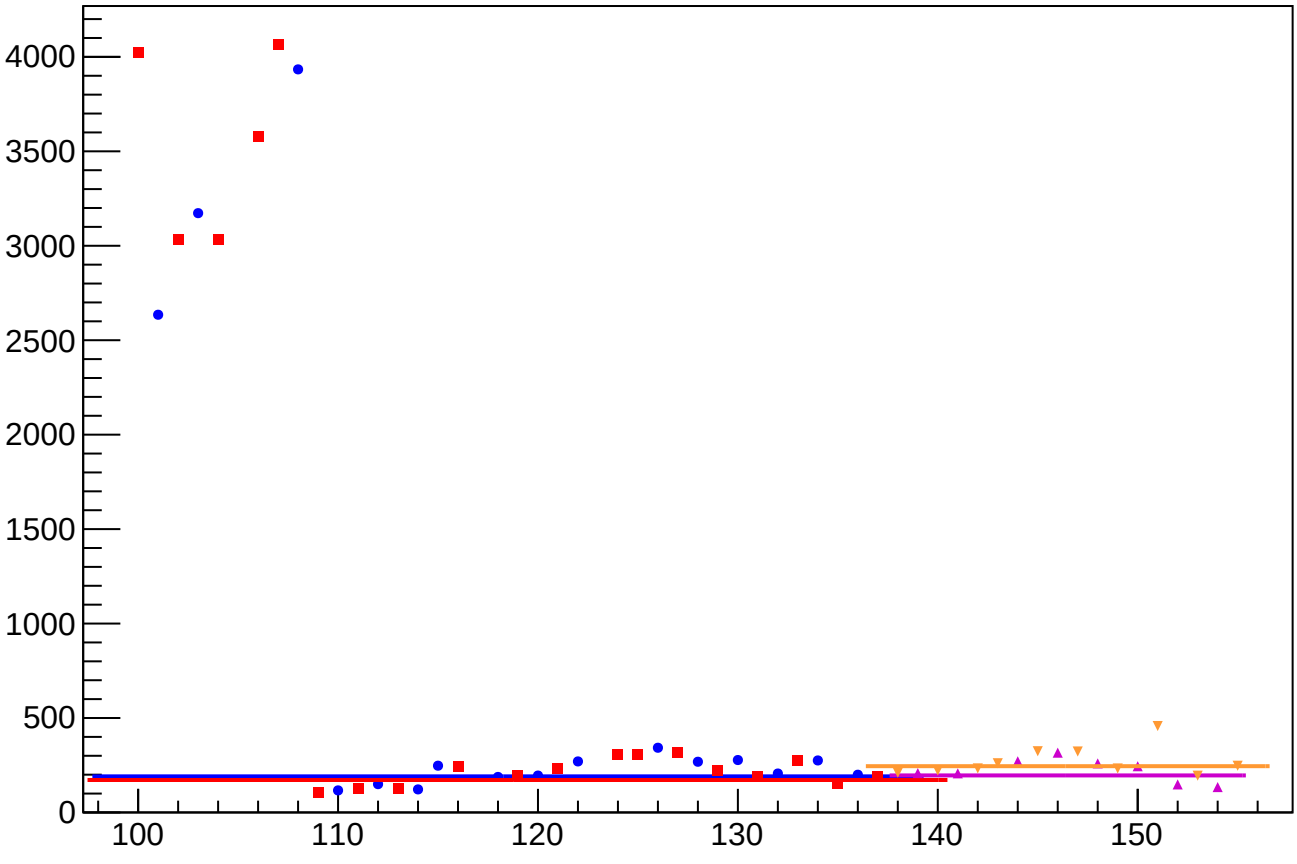
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -187.434+/-80.152 χ^2/NDF:3.2/7

+ sign 73.183+/-61.846 χ^2/NDF: 25.8/25

All: 16.204+/-41.450 χ^2/NDF: 52.5/52

- sign -30.260+/-55.849 χ^2/NDF: 25.1/26



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 244.979+/-0.064 χ^2/NDF:711317.4/9

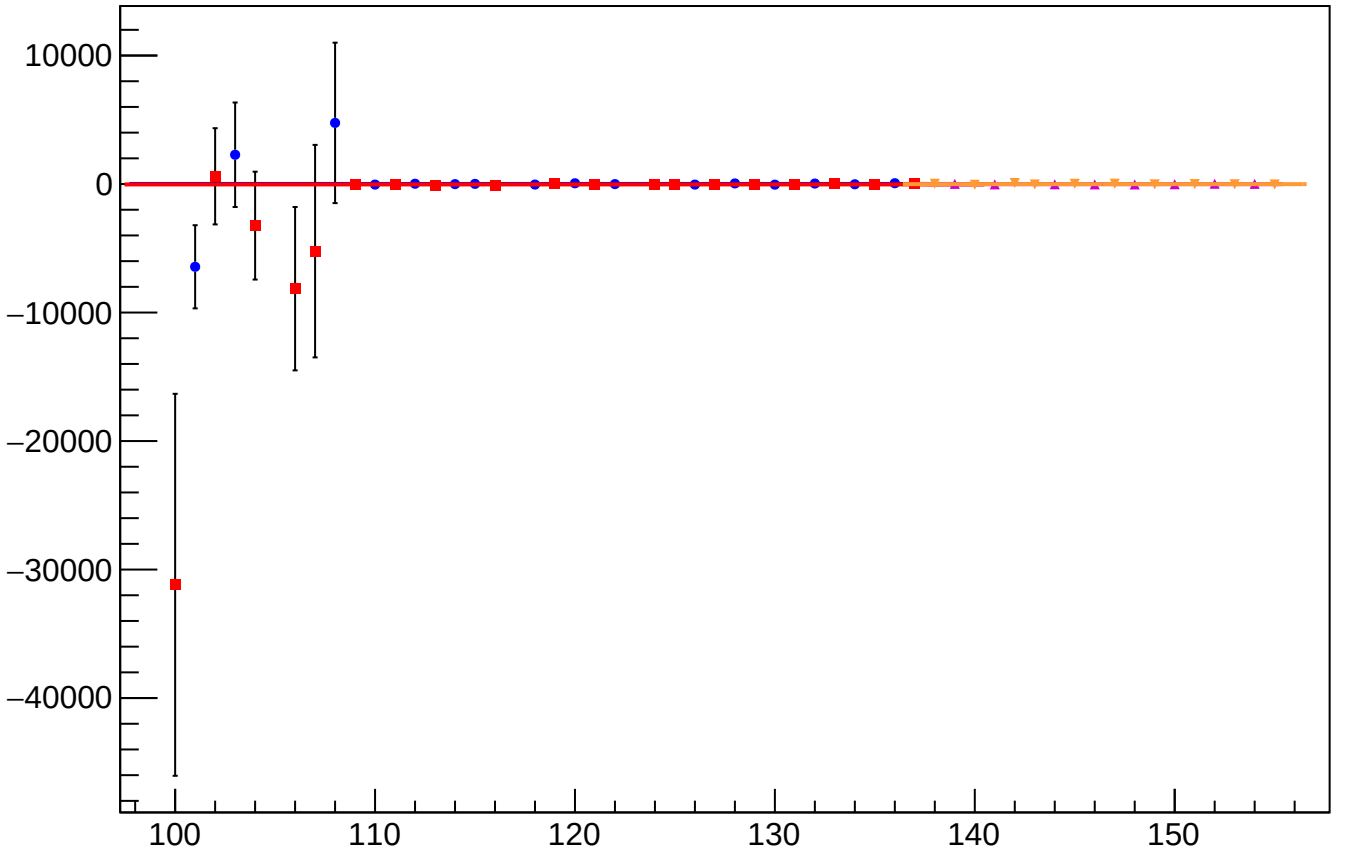
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 196.057+/-0.057 χ^2/NDF:1022001.8/7

+ sign 216.069+/-0.044 χ^2/NDF: 4923174.1/25

All: 198.182+/-0.029 χ^2/NDF: 10657598.8/52

- sign 183.595+/-0.039 χ^2/NDF: 5430695.7/26



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.391+/-10.668 χ^2/NDF:10.1/9

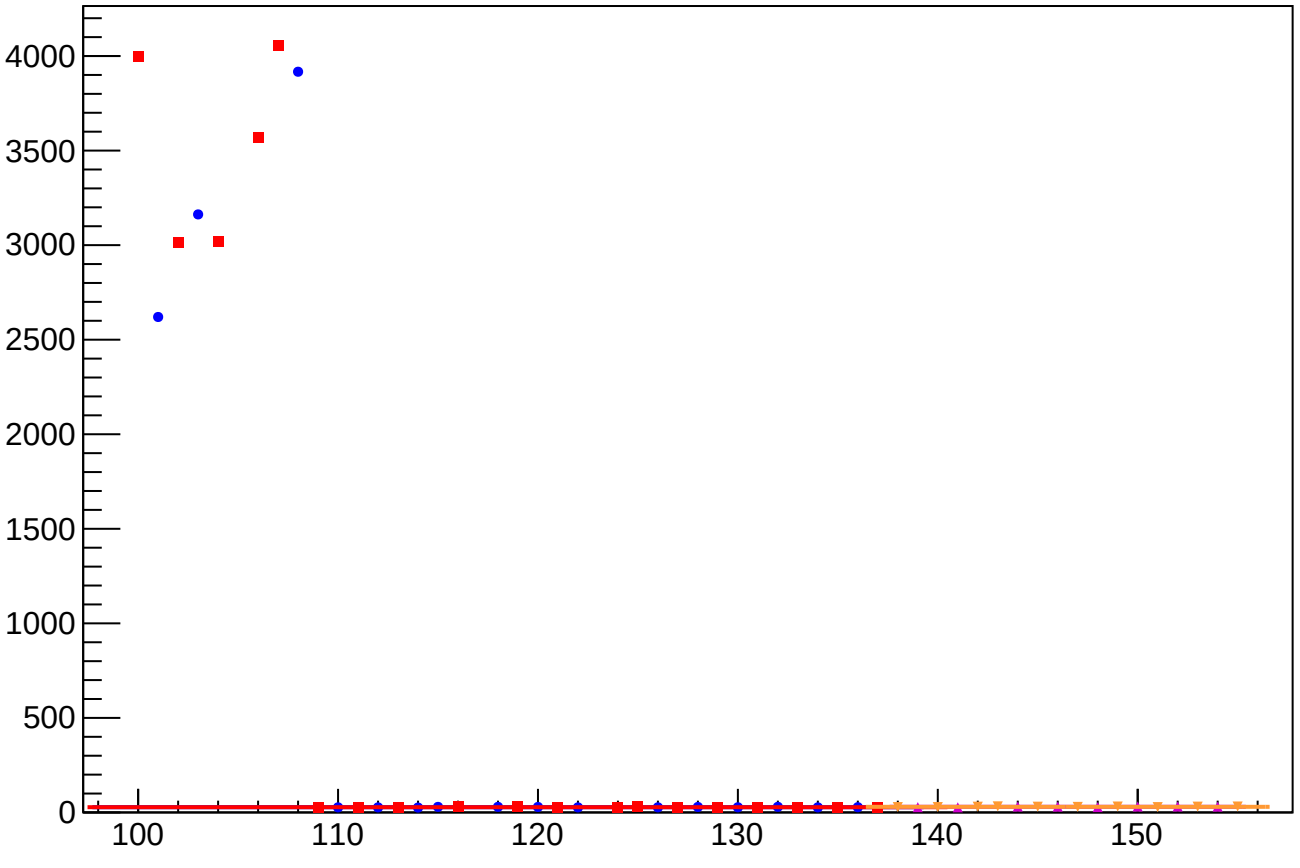
Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: -7.483+/-11.307 χ^2/NDF:3.3/7

+ sign -1.675+/-7.903 χ^2/NDF: 29.2/25

All: -9.839+/-5.689 χ^2/NDF: 56.7/52

- sign -18.622+/-8.197 χ^2/NDF: 25.2/26



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.786+/-0.008 χ^2/NDF:33346.2/9

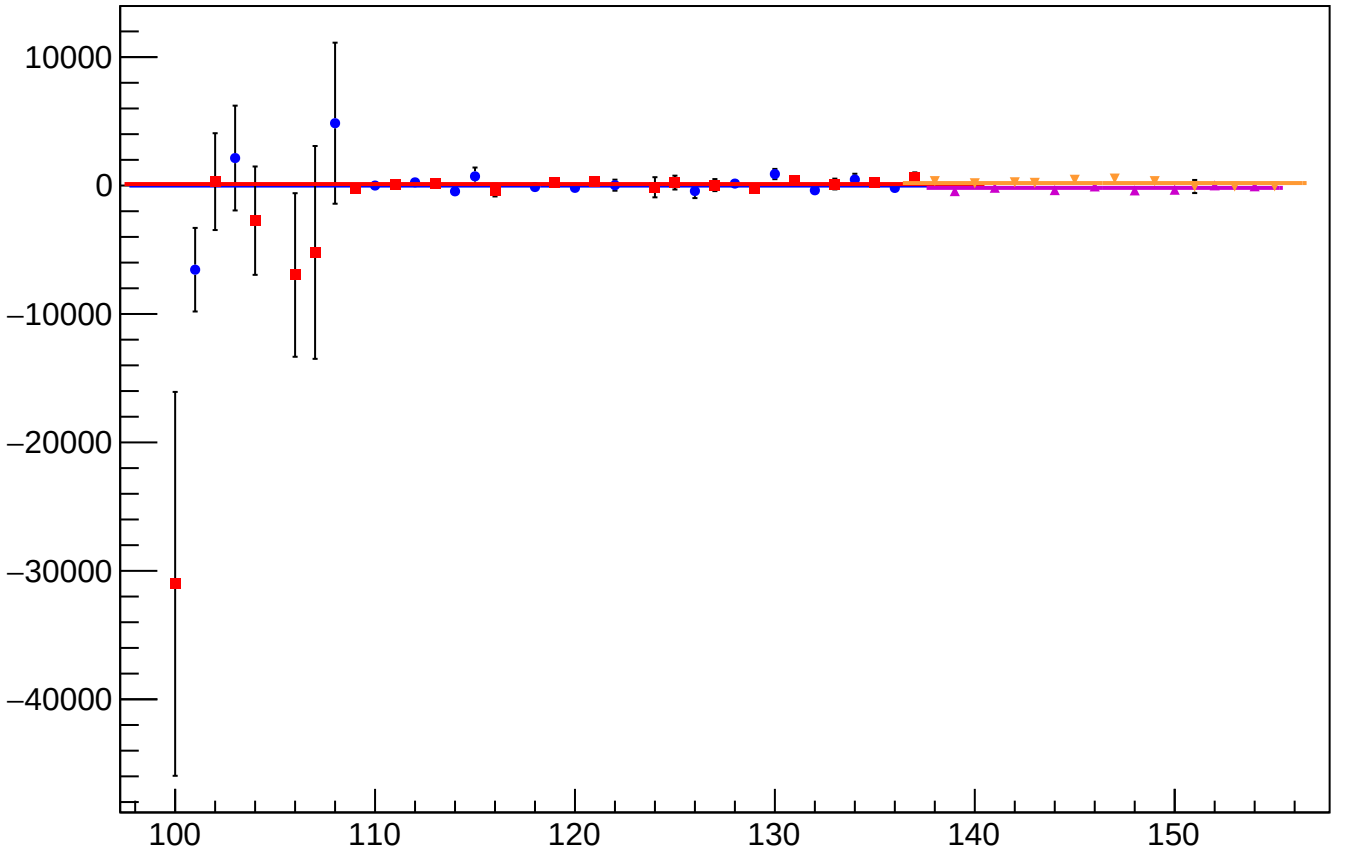
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.825+/-0.008 χ^2/NDF:42678.4/7

+ sign 28.901+/-0.006 χ^2/NDF: 3329744.7/25

All: 28.873+/-0.004 χ^2/NDF: 6962995.3/52

- sign 28.842+/-0.006 χ^2/NDF: 3633197.3/26



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 193.227+/-91.801 χ^2/NDF:4.7/9

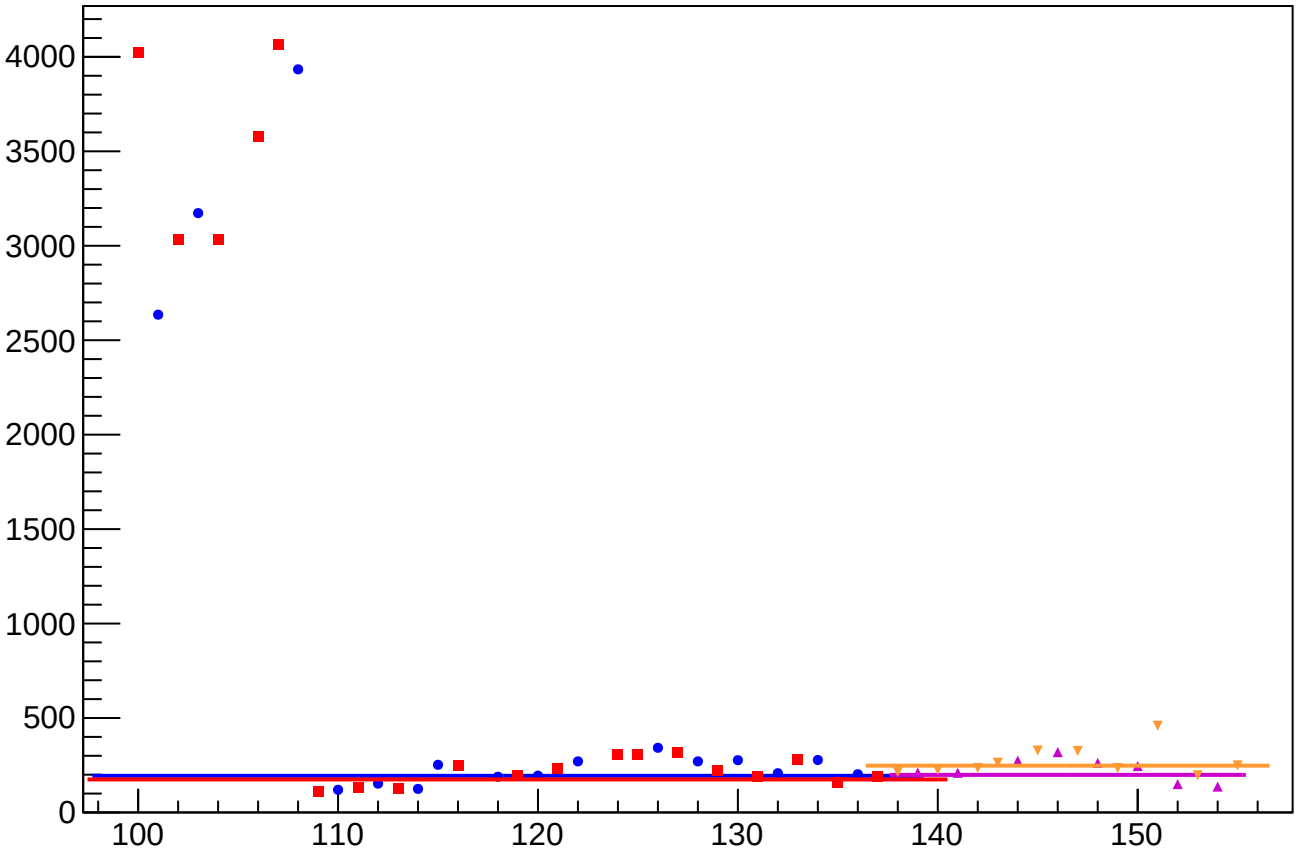
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -181.317+/-81.182 χ^2/NDF:3.9/7

+ sign 88.267+/-62.570 χ^2/NDF: 25.4/25

All: 23.968+/-41.974 χ^2/NDF: 51.9/52

- sign -28.647+/-56.600 χ^2/NDF: 24.6/26



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 247.761+/-0.065 χ^2/NDF:700669.8/9

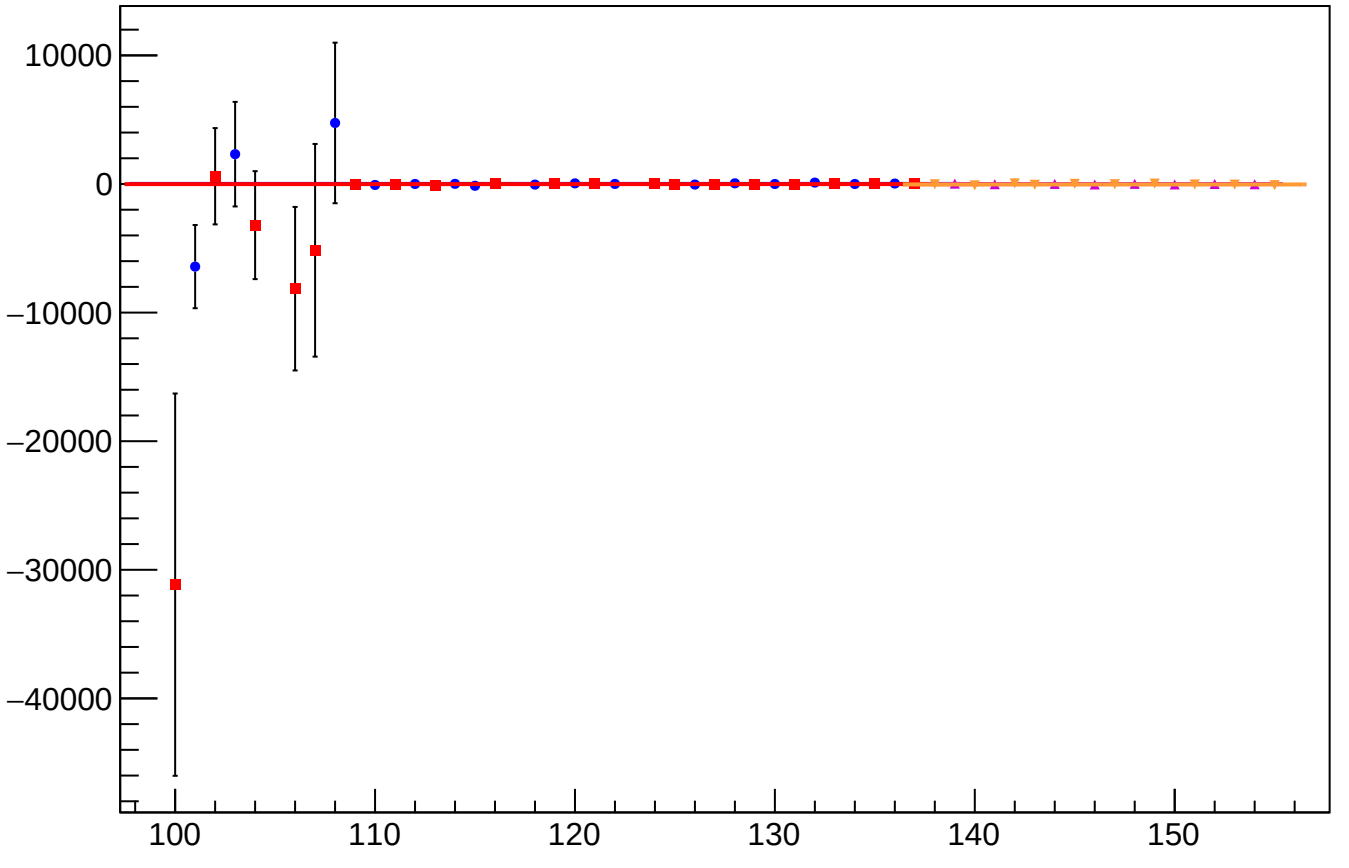
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 198.855+/-0.057 χ^2/NDF:1000116.2/7

+ sign 218.946+/-0.044 χ^2/NDF: 4853138.2/25

All: 201.092+/-0.030 χ^2/NDF: 10499077.8/52

- sign 186.482+/-0.040 χ^2/NDF: 5349840.4/26



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -34.379+/-12.534 χ^2/NDF:12.5/9

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

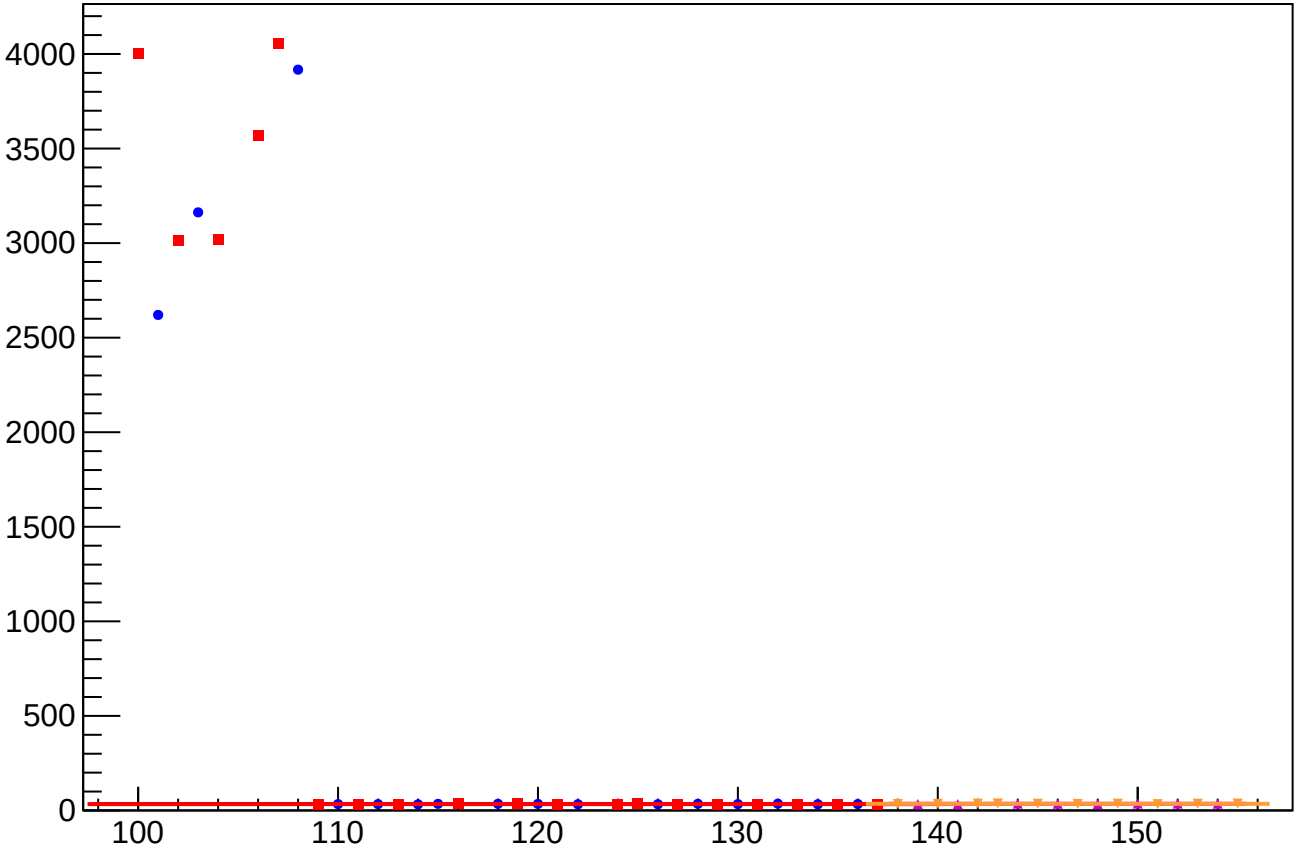
Left In: -5.681+/-13.310 χ^2/NDF:2.6/7

+ sign -16.991+/-9.427 χ^2/NDF: 34.4/25

All: -12.503+/-6.789 χ^2/NDF: 61.0/52

- sign -7.667+/-9.784 χ^2/NDF: 26.1/26

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: 35.053+/-0.009 χ^2/NDF:14938.3/9

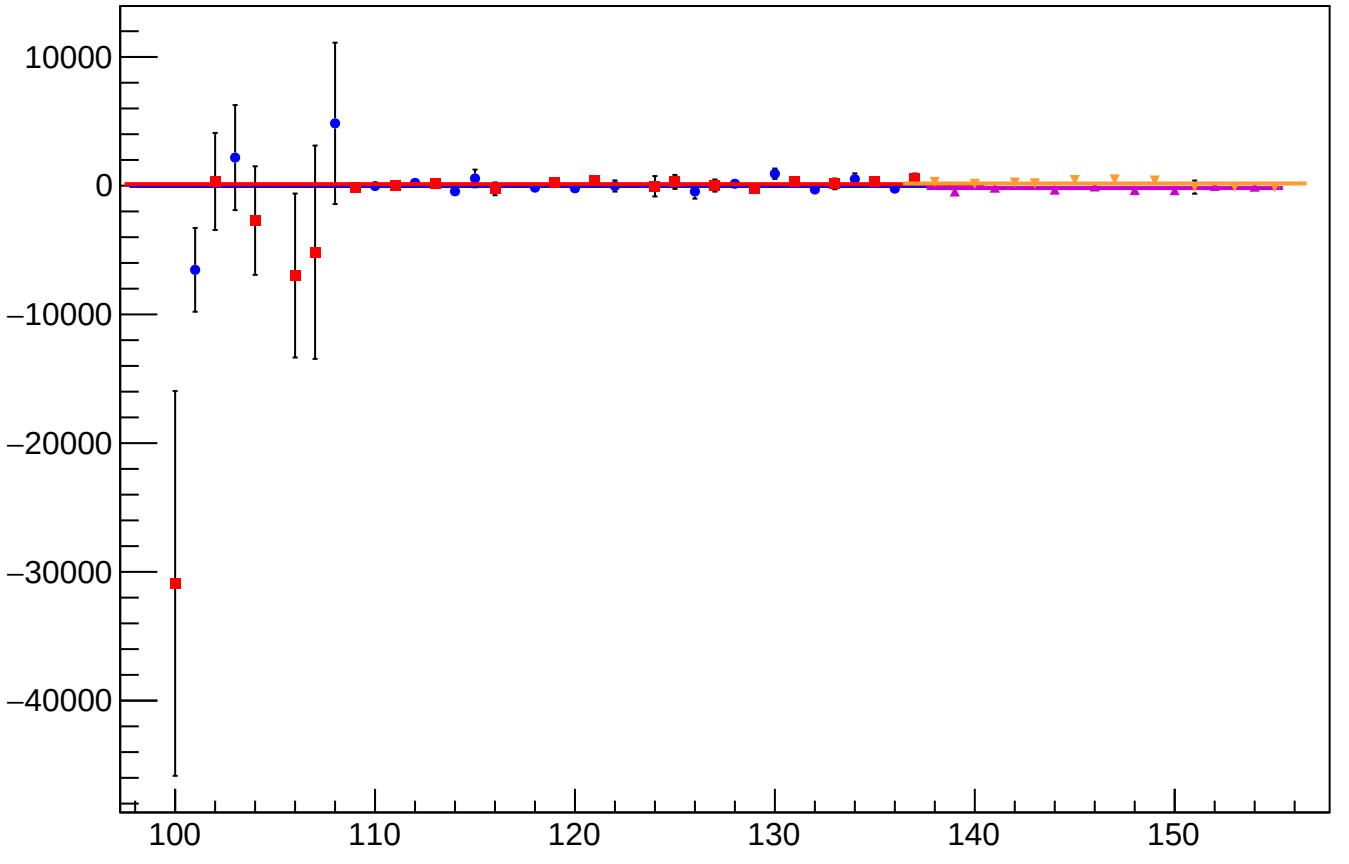
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 35.188+/-0.009 χ^2/NDF:14810.1/7

+ sign 34.552+/-0.007 χ^2/NDF: 3266677.7/25

All: 34.535+/-0.005 χ^2/NDF: 6819055.3/52

- sign 34.516+/-0.007 χ^2/NDF: 3552363.7/26



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 172.295+/-91.343 χ^2/NDF:5.2/9

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

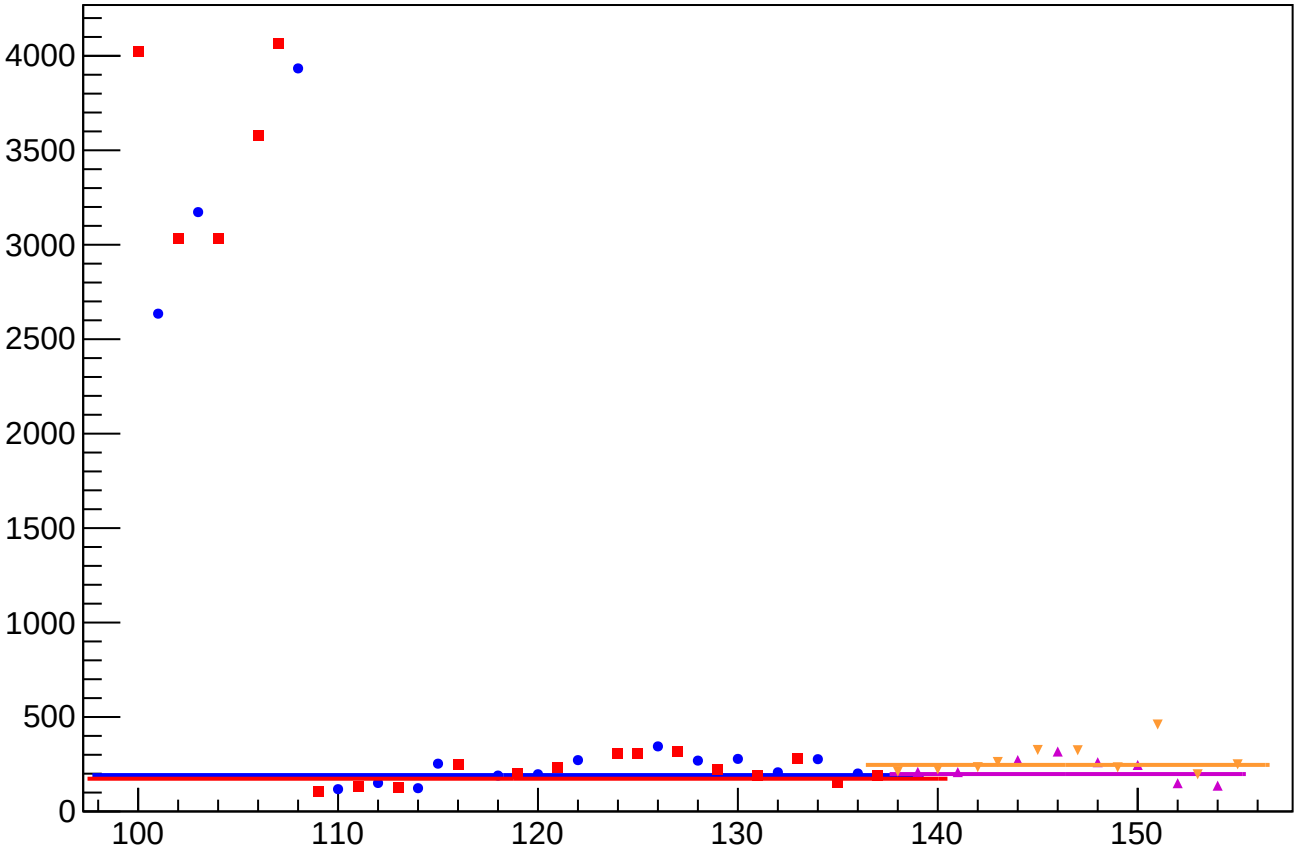
Left In: -184.340+/-80.837 χ^2/NDF:3.5/7

\+ sign 69.566+/-62.251 χ^2/NDF: 25.8/25

All: 16.084+/-41.756 χ^2/NDF: 51.2/52

\- sign -27.660+/-56.299 χ^2/NDF: 24.1/26

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 246.455+/-0.065 χ^2/NDF:706329.6/9

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

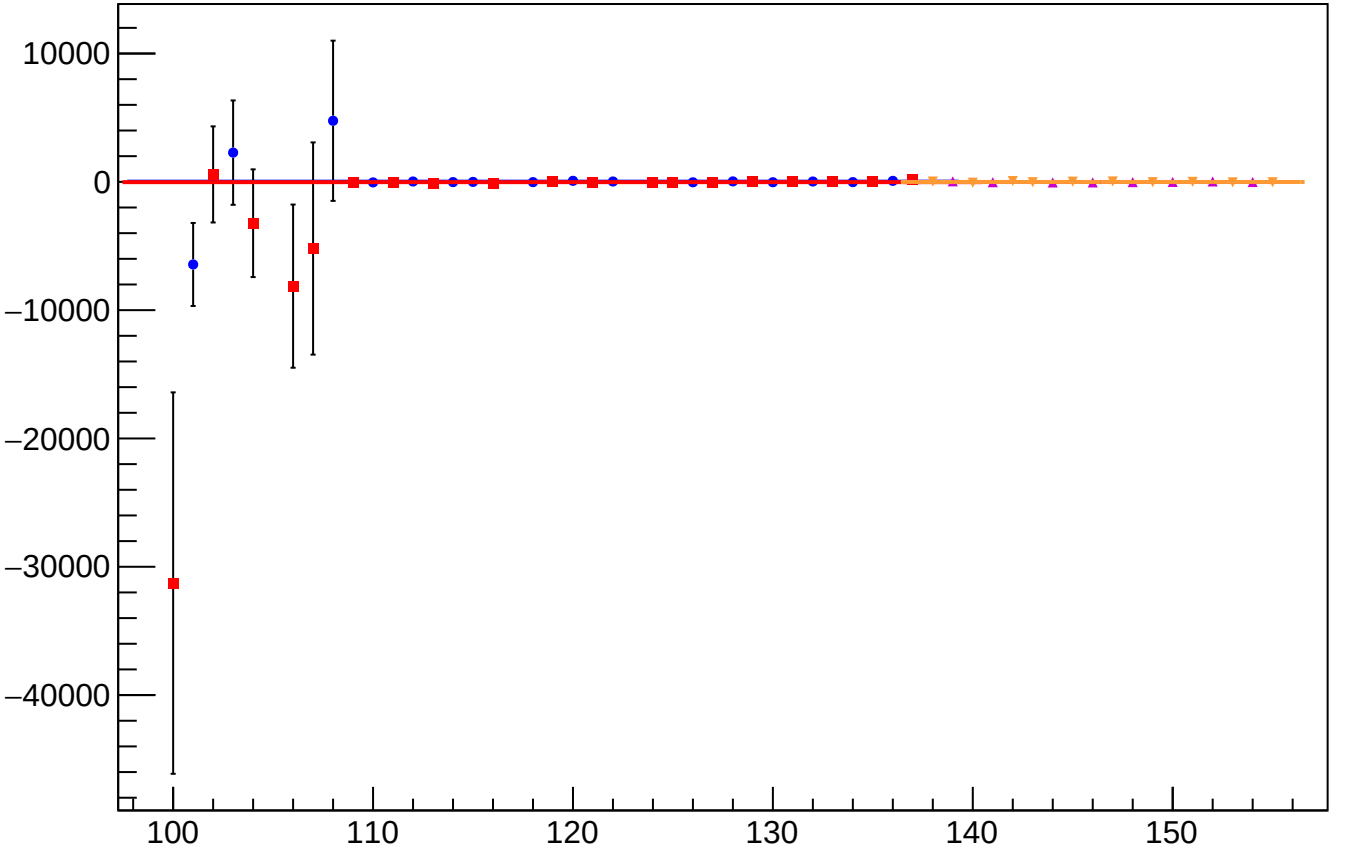
Left In: 197.990+/-0.057 χ^2/NDF:993985.4/7

+ sign 217.591+/-0.044 χ^2/NDF: 4902001.2/25

All: 199.801+/-0.030 χ^2/NDF: 10596830.8/52

- sign 185.249+/-0.040 χ^2/NDF: 5397878.9/26

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -10.194+/-11.481 χ^2/NDF:9.2/9

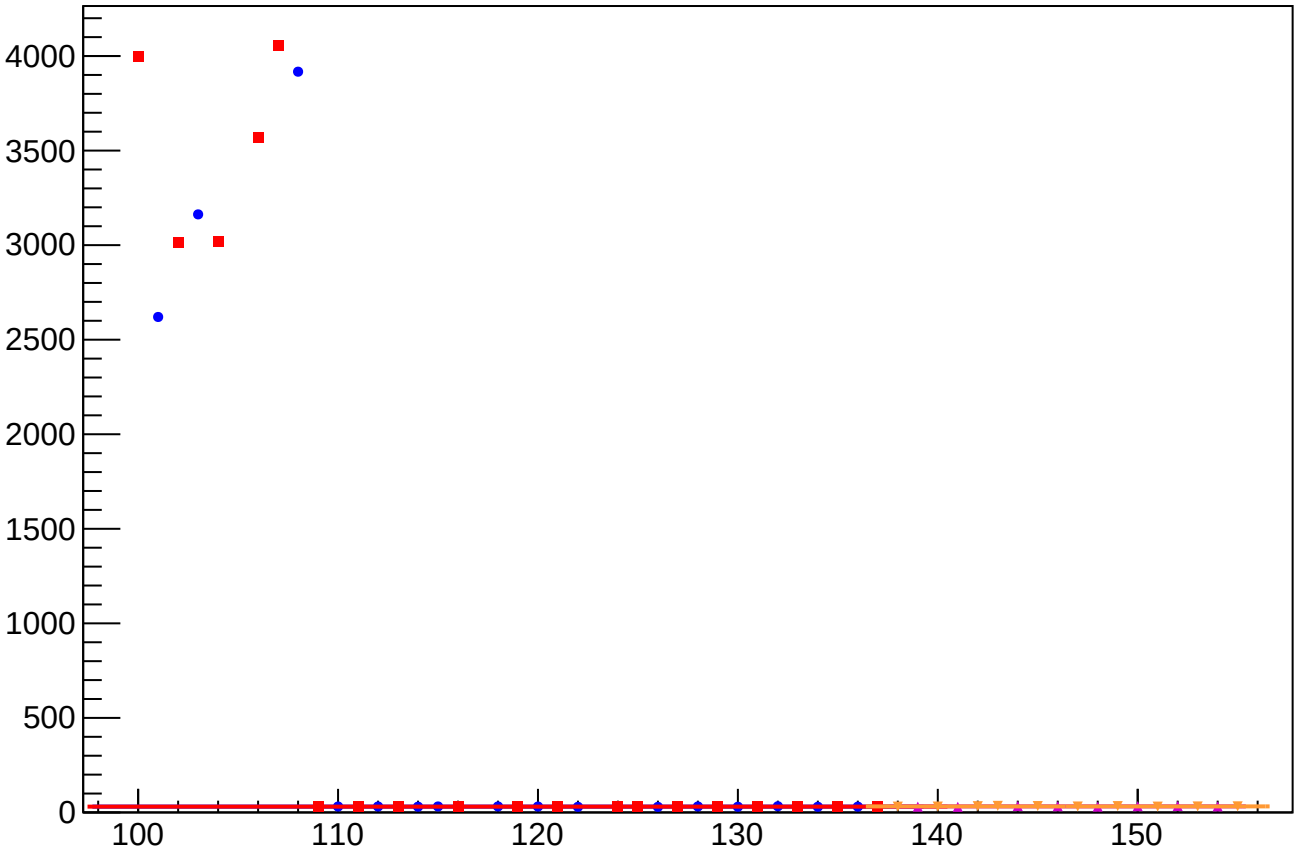
Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: -11.489+/-12.188 χ^2/NDF:5.9/7

+ sign 0.226+/-8.624 χ^2/NDF: 26.6/25

All: -8.021+/-6.210 χ^2/NDF: 63.5/52

- sign -16.900+/-8.949 χ^2/NDF: 35.0/26



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.077+/-0.008 χ^2/NDF:25322.4/9

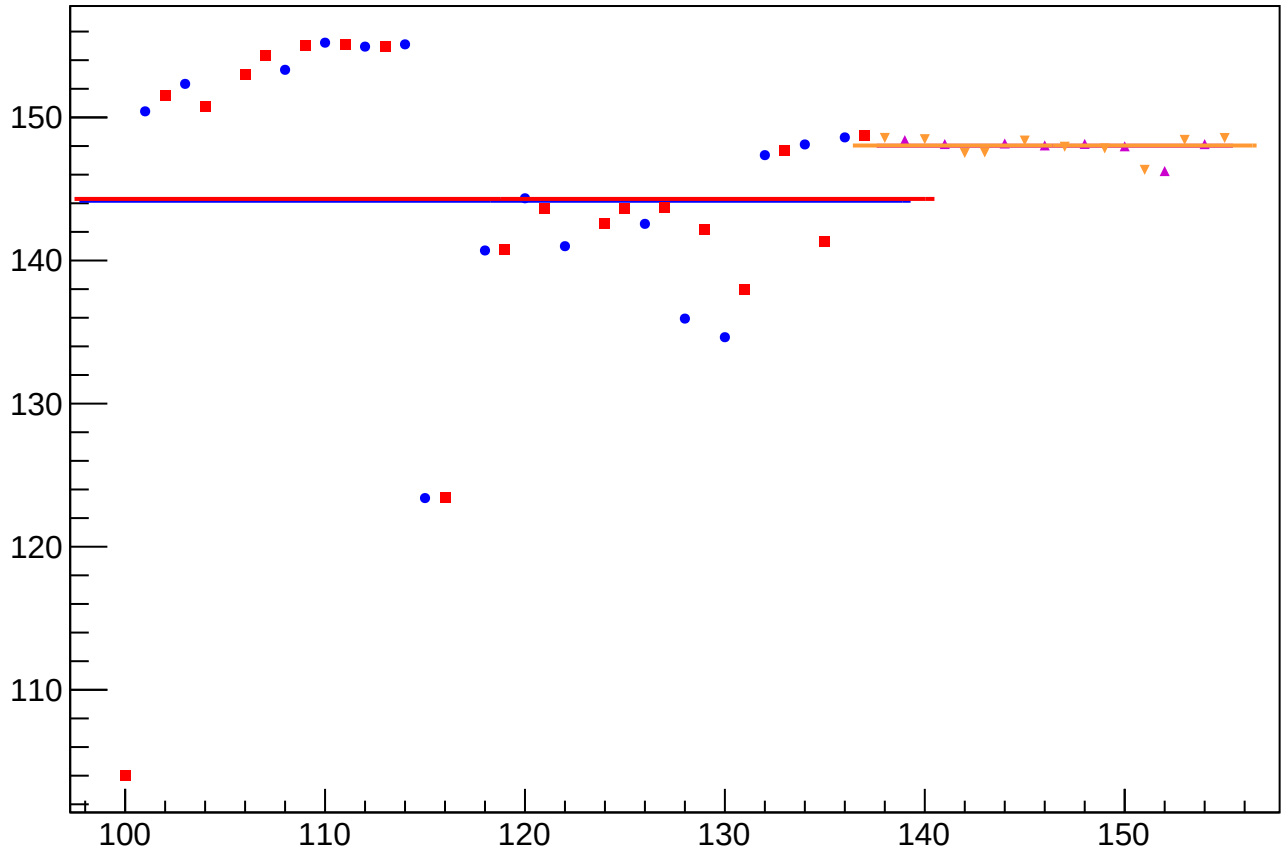
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 32.166+/-0.009 χ^2/NDF:28232.0/7

+ sign 31.576+/-0.006 χ^2/NDF: 3286651.9/25

All: 31.552+/-0.004 χ^2/NDF: 6863129.4/52

- sign 31.526+/-0.006 χ^2/NDF: 3576444.7/26



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.037+/-0.000 χ^2/NDF:20164714.6/9

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

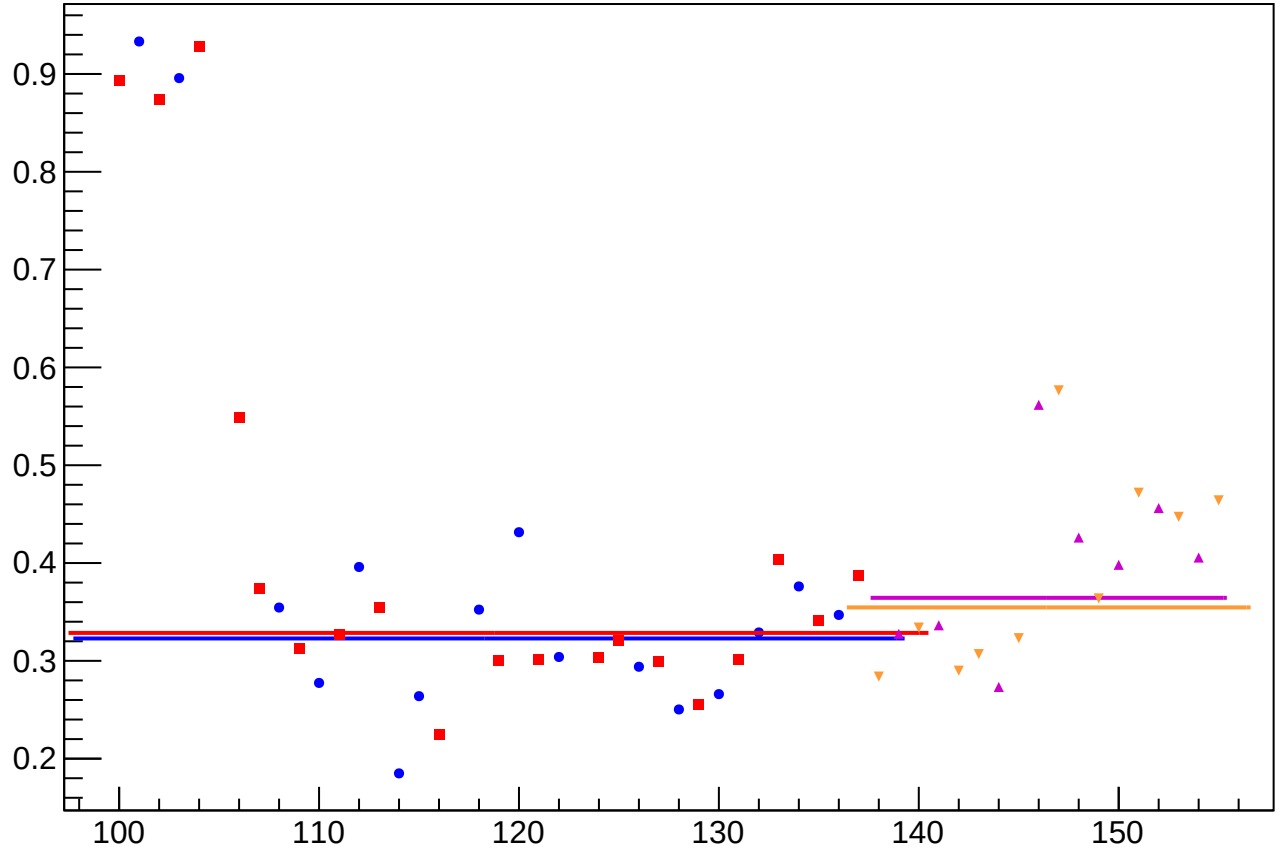
Left In: 148.018+/-0.000 χ^2/NDF:13818294.9/7

+ sign 146.100+/-0.000 χ^2/NDF: 4168835467.2/25

All: 146.060+/-0.000 χ^2/NDF: 8806279882.4

- sign 146.015+/-0.000 χ^2/NDF: 4637051388.5/26

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.355+/-0.000 χ^2/NDF:674825.5/9

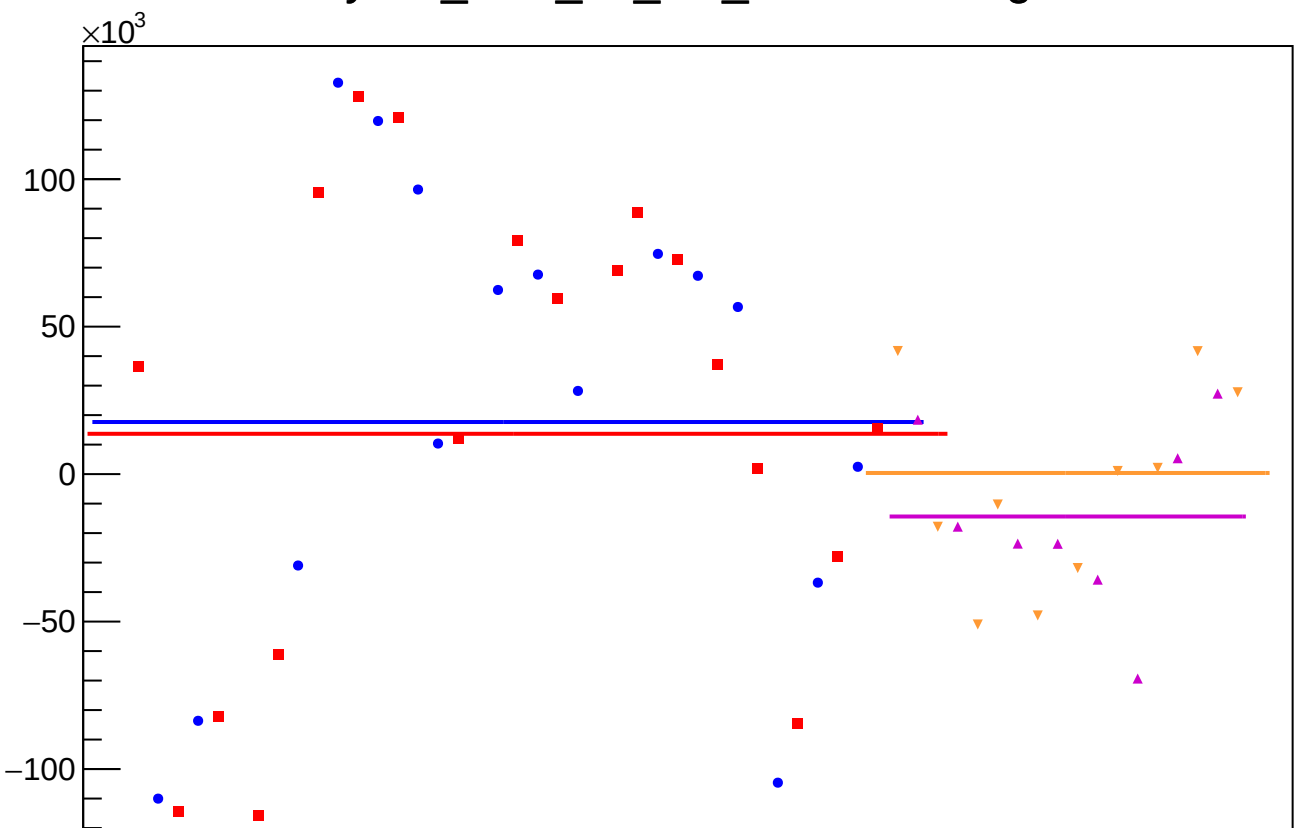
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.364+/-0.000 χ^2/NDF:560585.9/7

+ sign 0.339+/-0.000 χ^2/NDF: 2128208.4/25

All: 0.342+/-0.000 χ^2/NDF: 4064316.6/52

- sign 0.345+/-0.000 χ^2/NDF: 1931671.4/26



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 385.722+/-1.785 χ^2/NDF:312375198.4/9

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

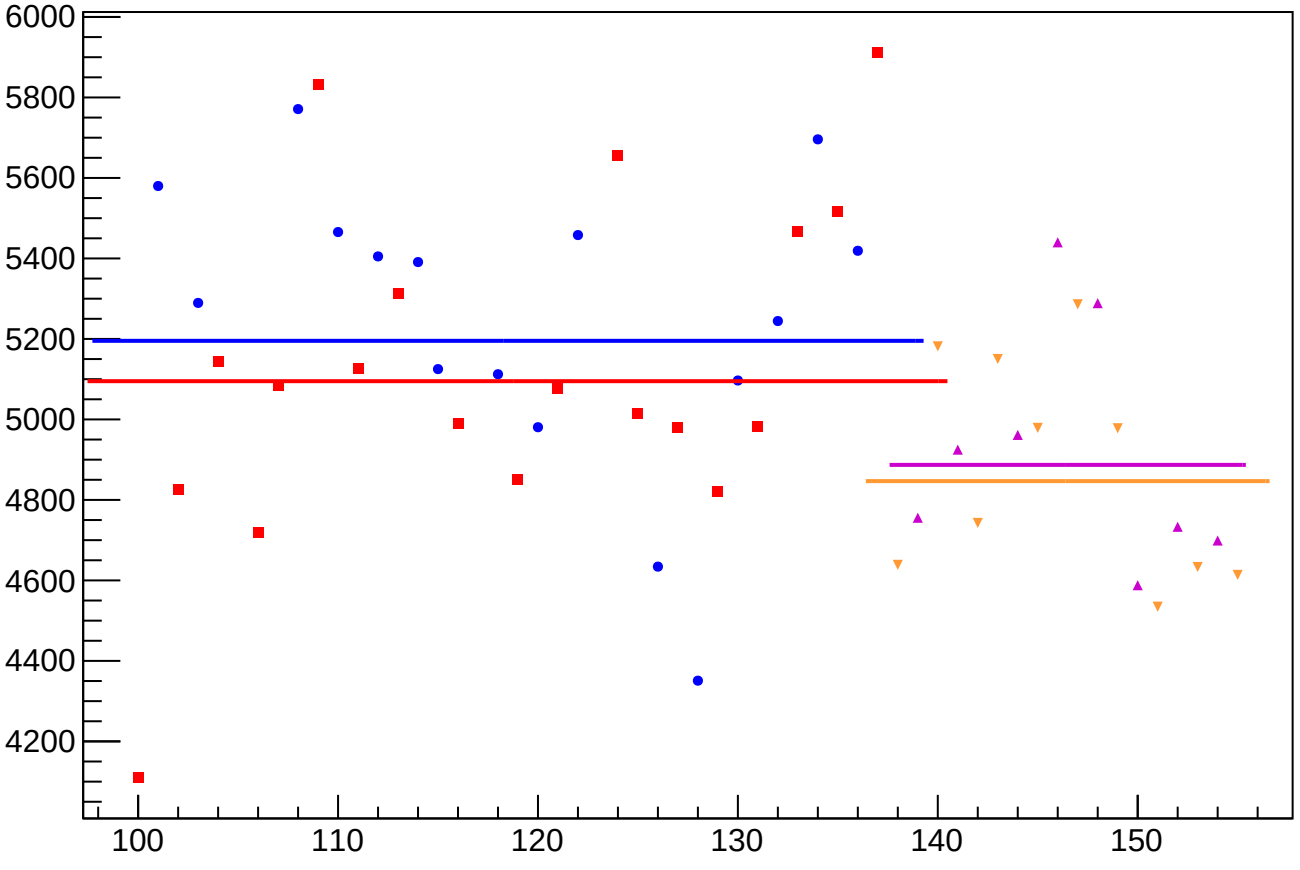
Left In: -14374.018+/-1.910 χ^2/NDF:261719224.9/7

+ sign 8021.090+/-1.333 χ^2/NDF: 1752536515.3/25

All: 3851.206+/-0.951 χ^2/NDF: 3998035118.

- sign -461.724+/-1.356 χ^2/NDF: 2225597694.3/26

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4846.710+/-1.262 χ^2/NDF:42968.7/9

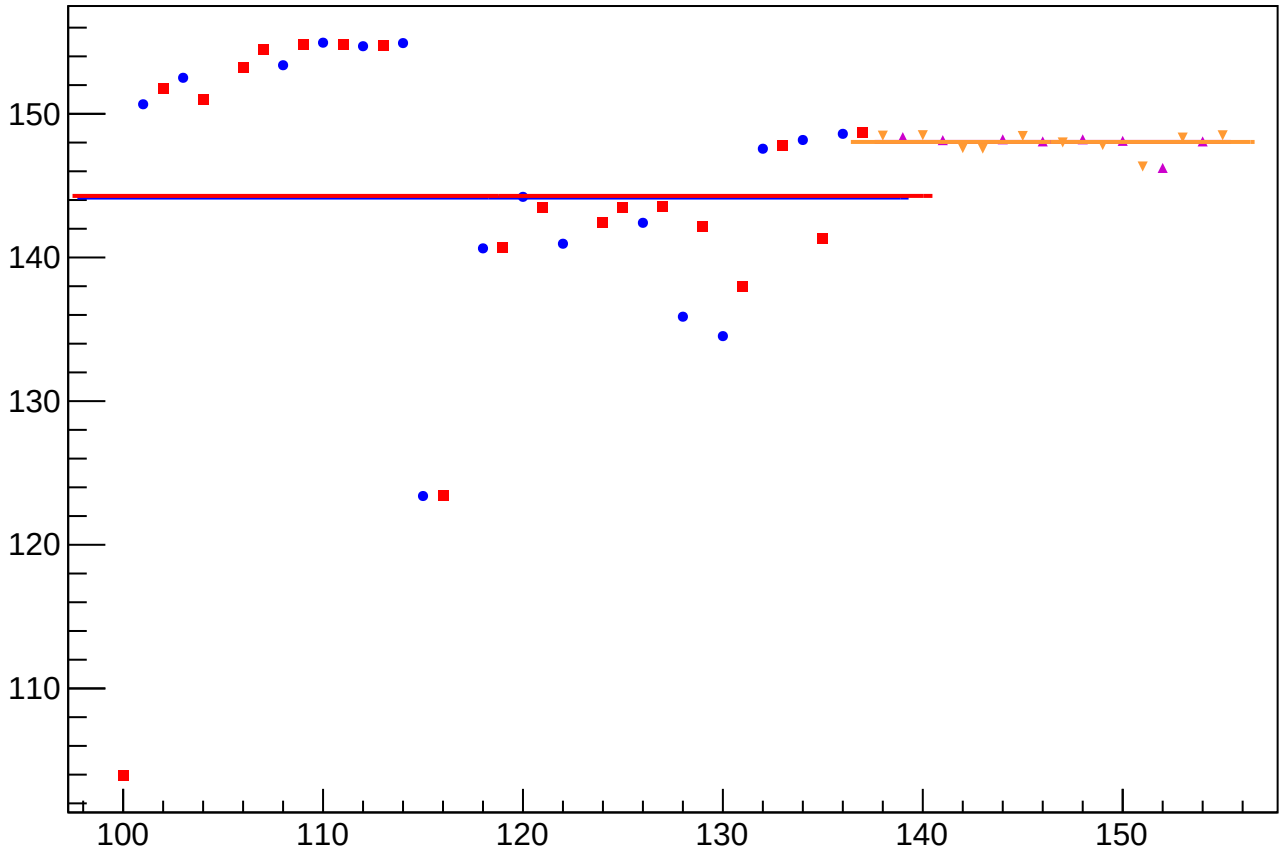
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4887.029+/-1.351 χ^2/NDF:39022.7/7

+ sign 5000.755+/-0.943 χ^2/NDF: 153855.9/25

All: 4995.585+/-0.672 χ^2/NDF: 263819.9/52

- sign 4990.238+/-0.959 χ^2/NDF: 109902.8/26



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.043+/-0.000 χ^2/NDF:19102189.6/9

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

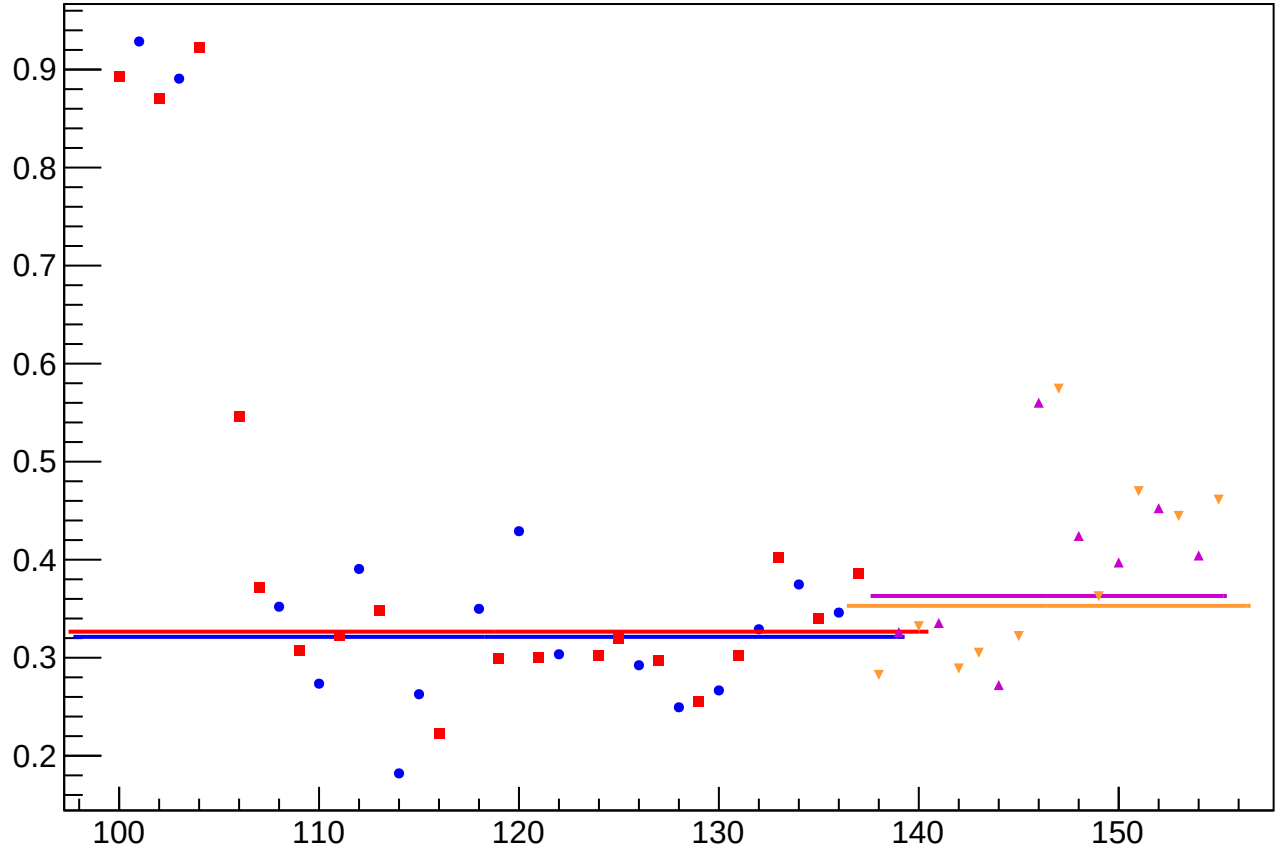
Left In: 148.044+/-0.000 χ^2/NDF:14425840.6/7

+ sign 146.101+/-0.000 χ^2/NDF: 4214320824.3/25

All: 146.059+/-0.000 χ^2/NDF: 8890350105.8

- sign 146.014+/-0.000 χ^2/NDF: 4675616878.8/26

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.353+/-0.000 χ^2/NDF:674721.2/9

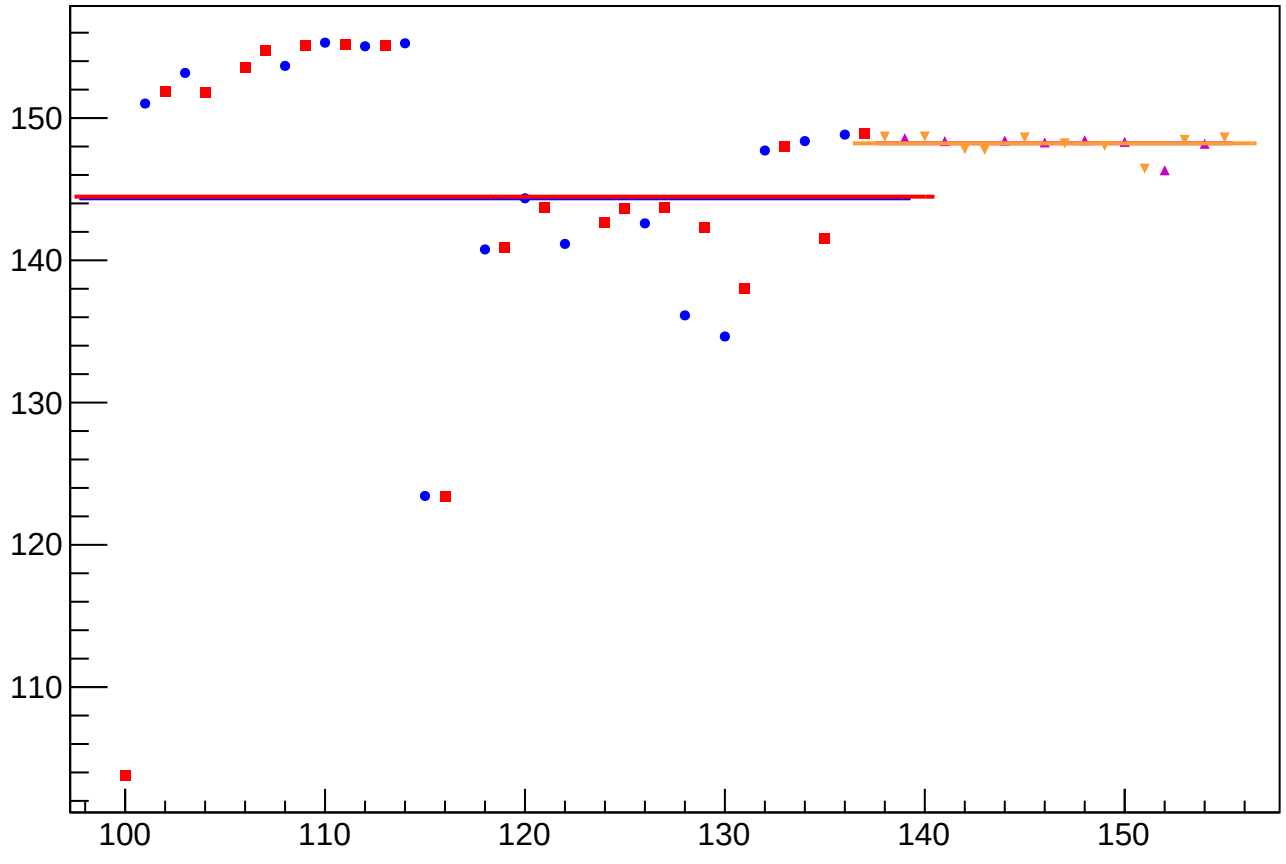
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.363+/-0.000 χ^2/NDF:559961.7/7

+ sign 0.337+/-0.000 χ^2/NDF: 2128568.3/25

All: 0.340+/-0.000 χ^2/NDF: 4065292.7/52

- sign 0.343+/-0.000 χ^2/NDF: 1932436.2/26



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.224+/-0.000 χ^2/NDF:19529949.9/9

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

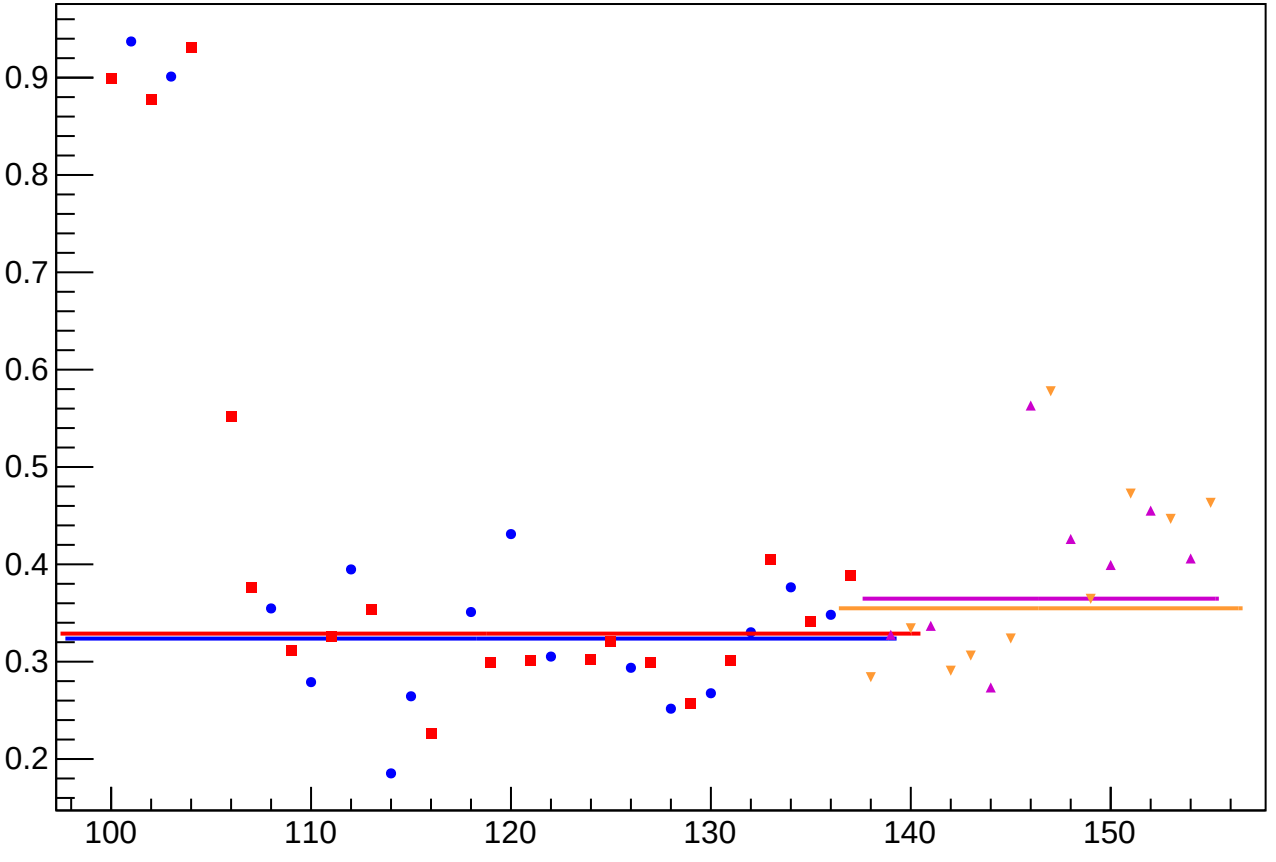
Left In: 148.231+/-0.000 χ^2/NDF:15746359.0/7

+ sign 146.289+/-0.000 χ^2/NDF: 4201411939.4/25

All: 146.249+/-0.000 χ^2/NDF: 8865997402.5

- sign 146.205+/-0.000 χ^2/NDF: 4664200261.3/26

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.355+/-0.000 χ^2/NDF:674318.0/9

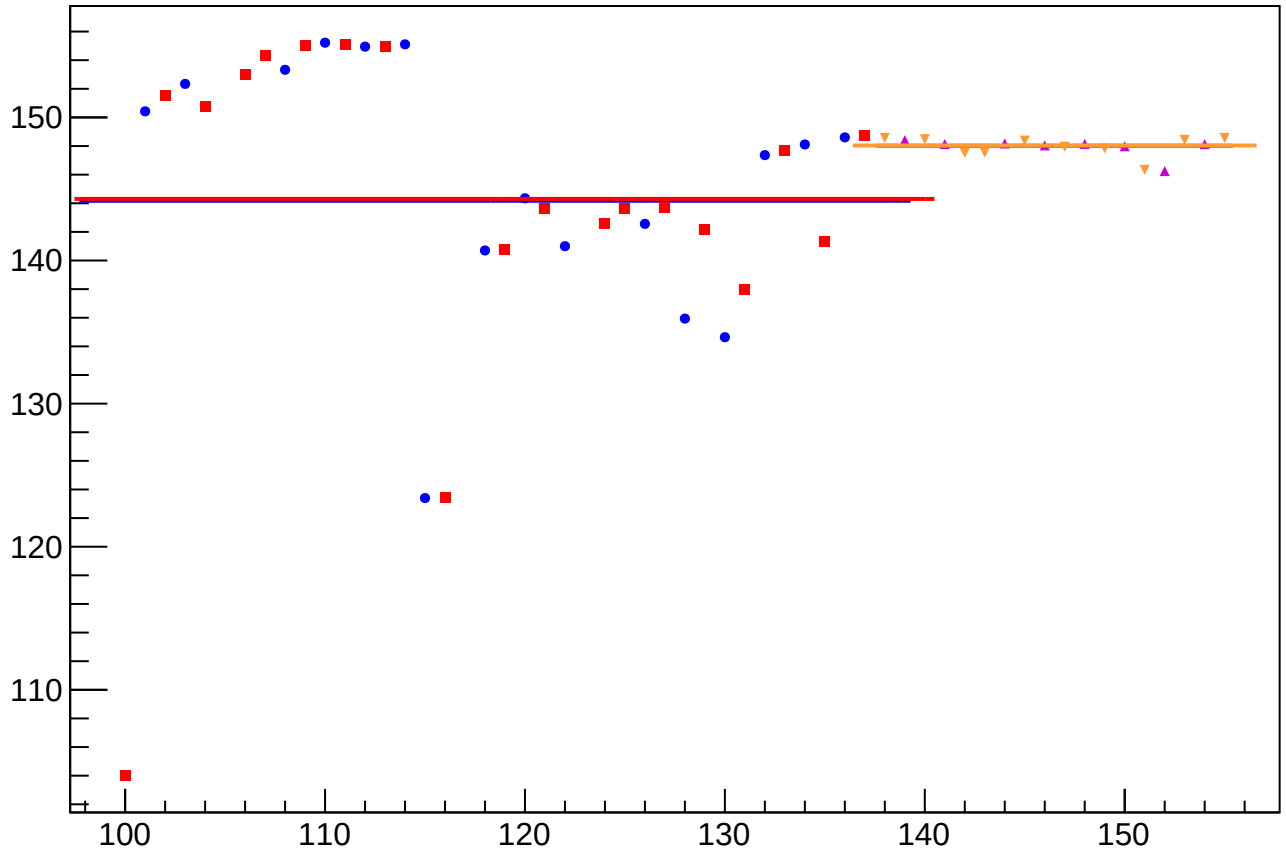
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.365+/-0.000 χ^2/NDF:560462.2/7

+ sign 0.339+/-0.000 χ^2/NDF: 2121640.0/25

All: 0.342+/-0.000 χ^2/NDF: 4056377.0/52

- sign 0.345+/-0.000 χ^2/NDF: 1930670.2/26



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.037+/-0.000 χ^2/NDF:20164714.6/9

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

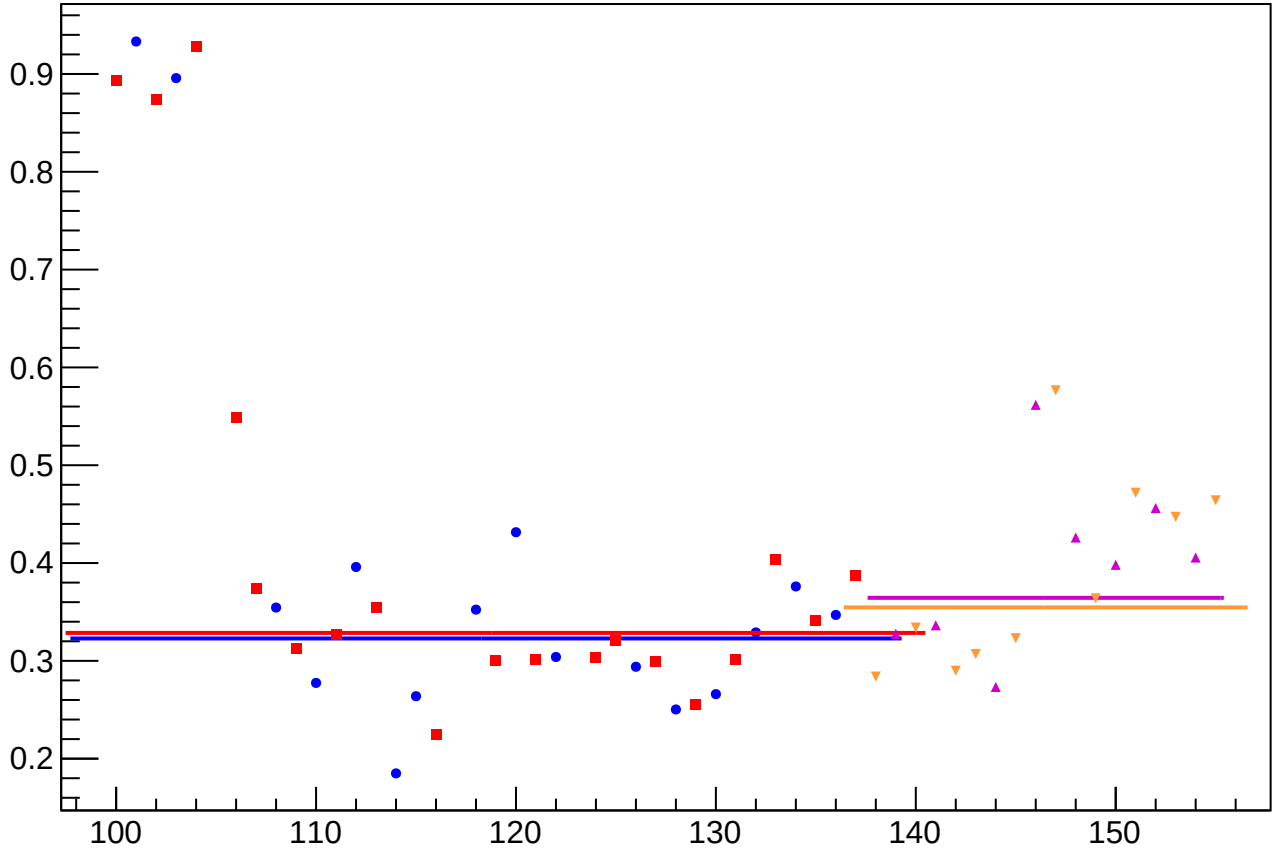
Left In: 148.018+/-0.000 χ^2/NDF:13818294.9/7

+ sign 146.100+/-0.000 χ^2/NDF: 4168835467.2/25

All: 146.060+/-0.000 χ^2/NDF: 8806279882.4

- sign 146.015+/-0.000 χ^2/NDF: 4637051388.5/26

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.355+/-0.000 χ^2/NDF:674825.5/9

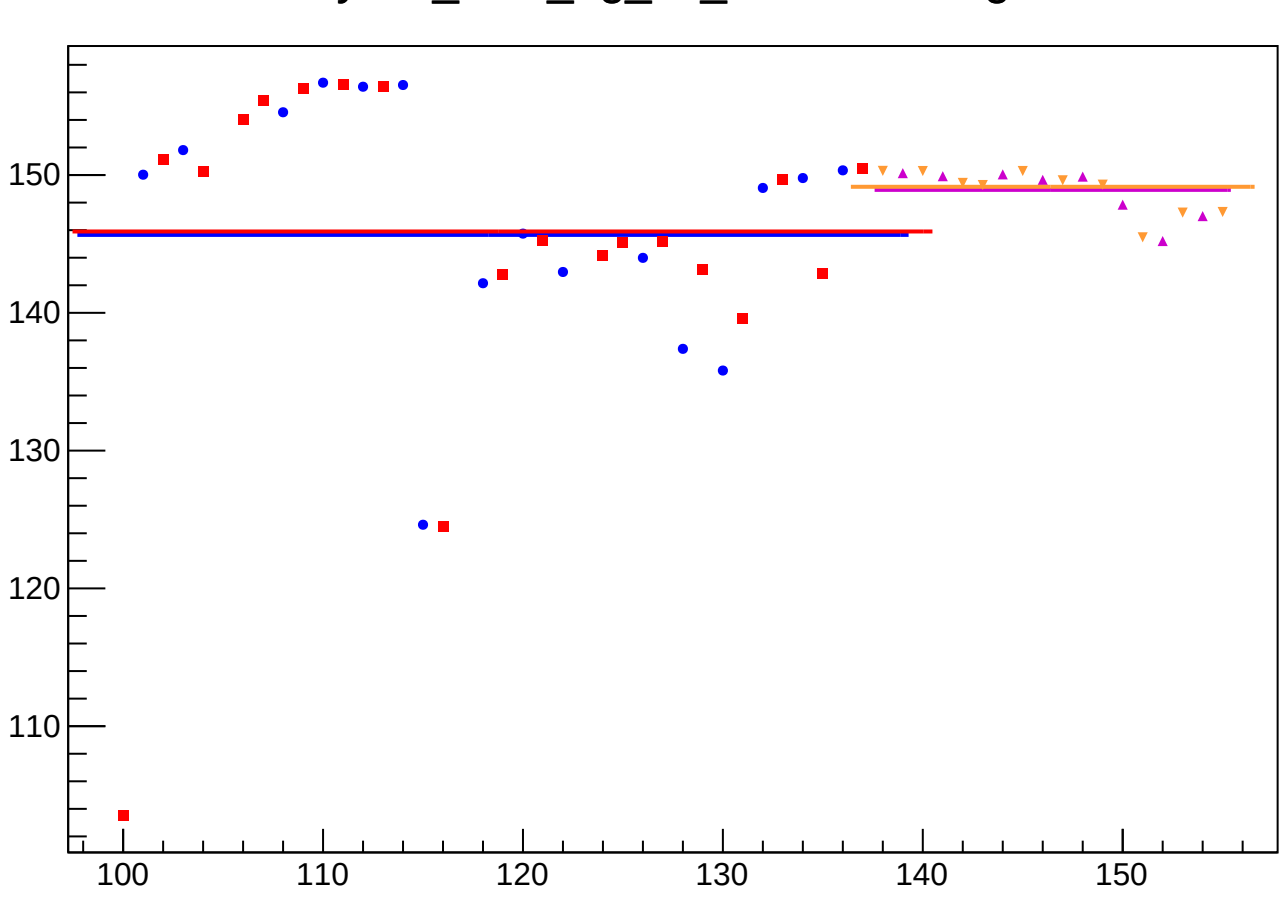
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.364+/-0.000 χ^2/NDF:560585.9/7

+ sign 0.339+/-0.000 χ^2/NDF: 2128208.4/25

All: 0.342+/-0.000 χ^2/NDF: 4064316.6/52

- sign 0.345+/-0.000 χ^2/NDF: 1931671.4/26



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.148+/-0.000 χ^2/NDF:101468141.4/9

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

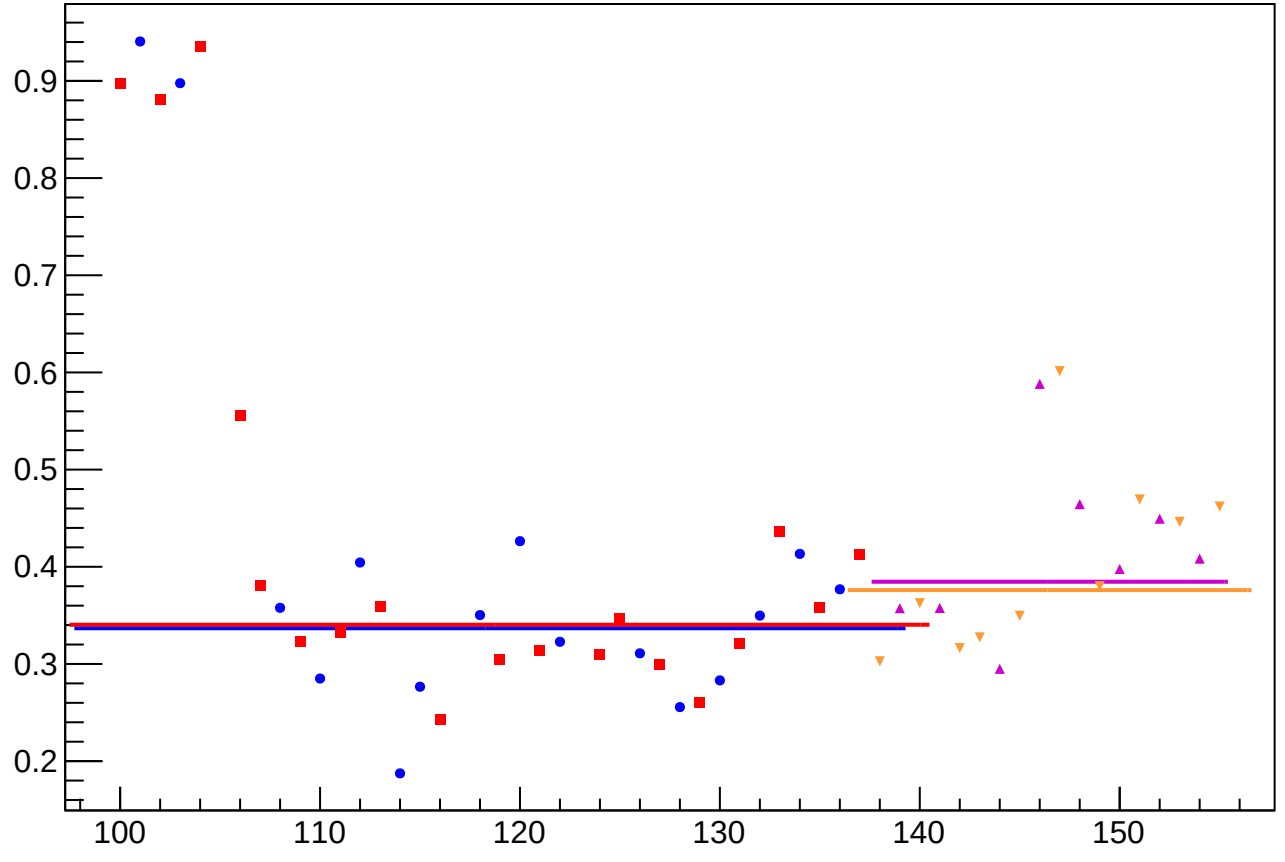
Left In: 148.924+/-0.000 χ^2/NDF:112964669.8/7

+ sign 147.372+/-0.000 χ^2/NDF: 3896954645.0/25

All: 147.324+/-0.000 χ^2/NDF: 8090774292.2

- sign 147.273+/-0.000 χ^2/NDF: 4193338969.4/26

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.376+/-0.000 χ^2/NDF:532369.8/9

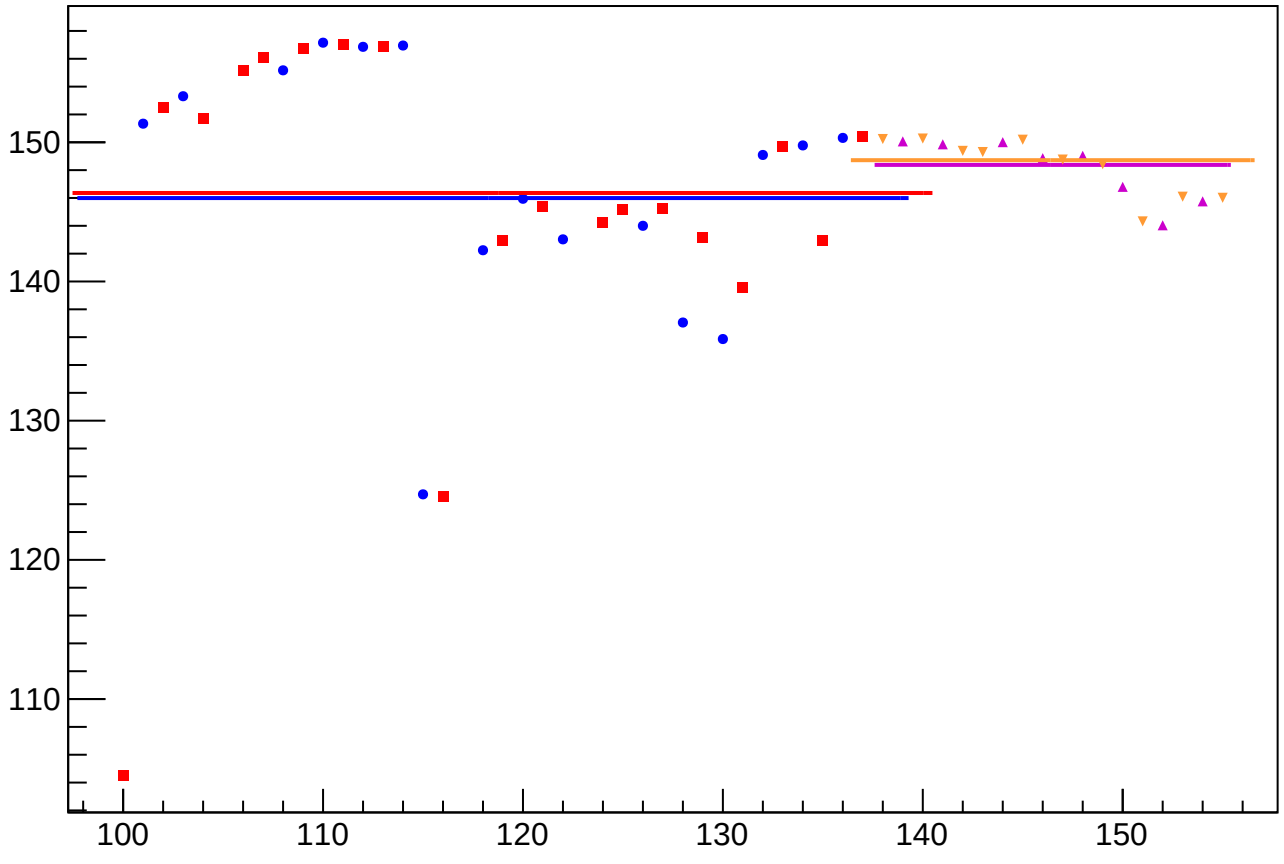
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.385+/-0.000 χ^2/NDF:466315.6/7

+ sign 0.356+/-0.000 χ^2/NDF: 1982395.4/25

All: 0.358+/-0.000 χ^2/NDF: 3818676.4/52

- sign 0.360+/-0.000 χ^2/NDF: 1834355.6/26



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 148.714+/-0.000 χ^2/NDF:174173383.6/9

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

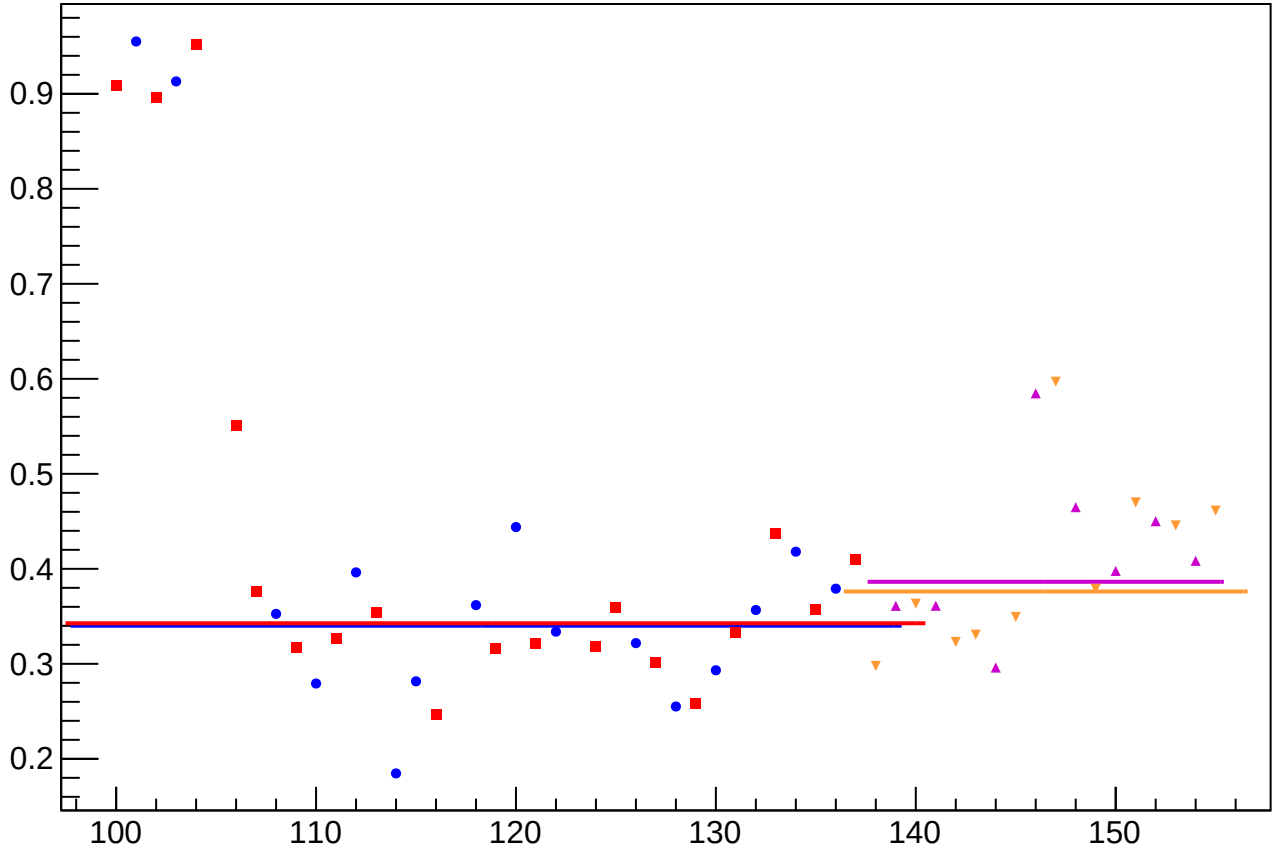
Left In: 148.376+/-0.000 χ^2/NDF:183704662.0/7

+ sign 147.344+/-0.000 χ^2/NDF: 3984169558.3/25

All: 147.311+/-0.000 χ^2/NDF: 8227044149.5

- sign 147.276+/-0.000 χ^2/NDF: 4242652240.7/26

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.376+/-0.000 χ^2/NDF:528034.5/9

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

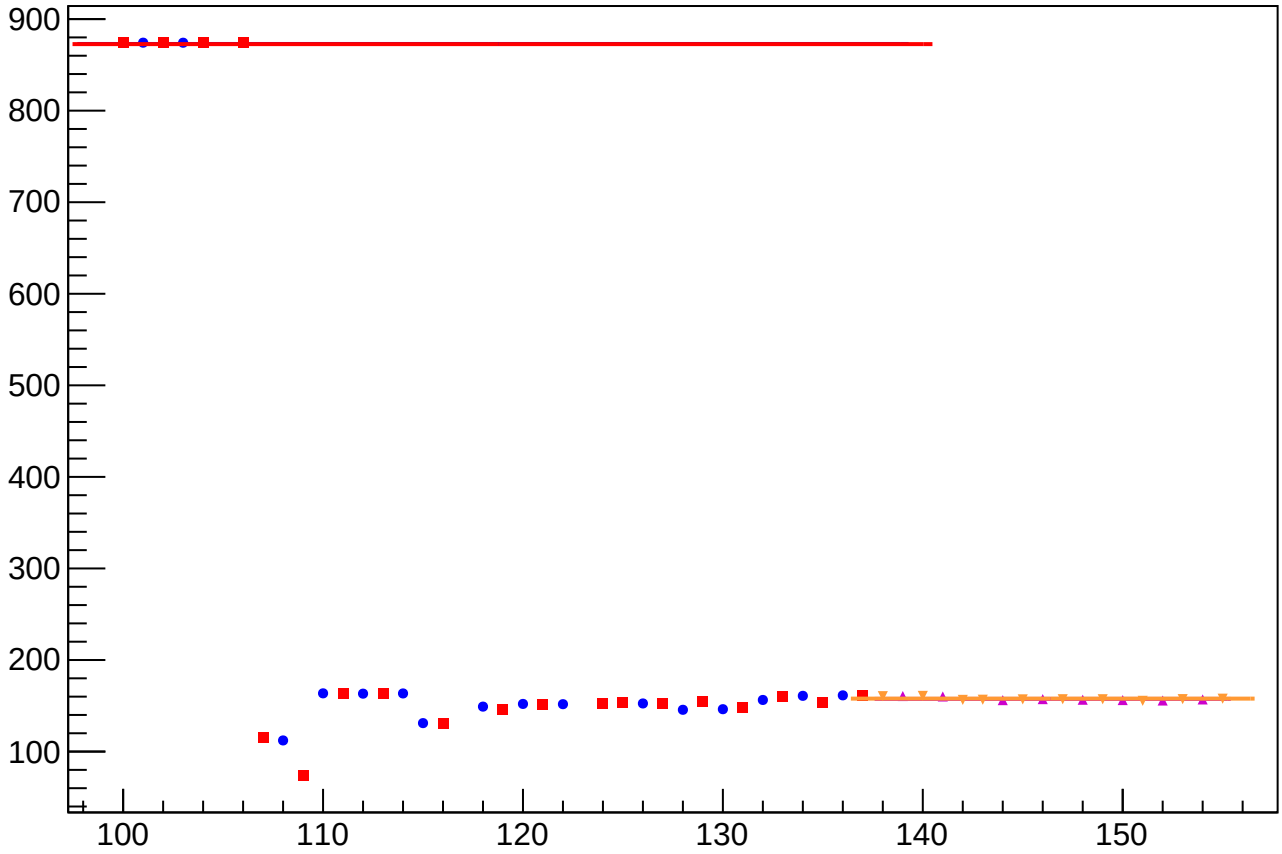
Left In: 0.386+/-0.000 χ^2/NDF:451074.6/7

+ sign 0.358+/-0.000 χ^2/NDF: 1987185.9/25

All: 0.360+/-0.000 χ^2/NDF: 3800669.7/52

- sign 0.363+/-0.000 χ^2/NDF: 1811460.3/26

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.833+/-0.000 χ^2/NDF:40765641.7/9

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

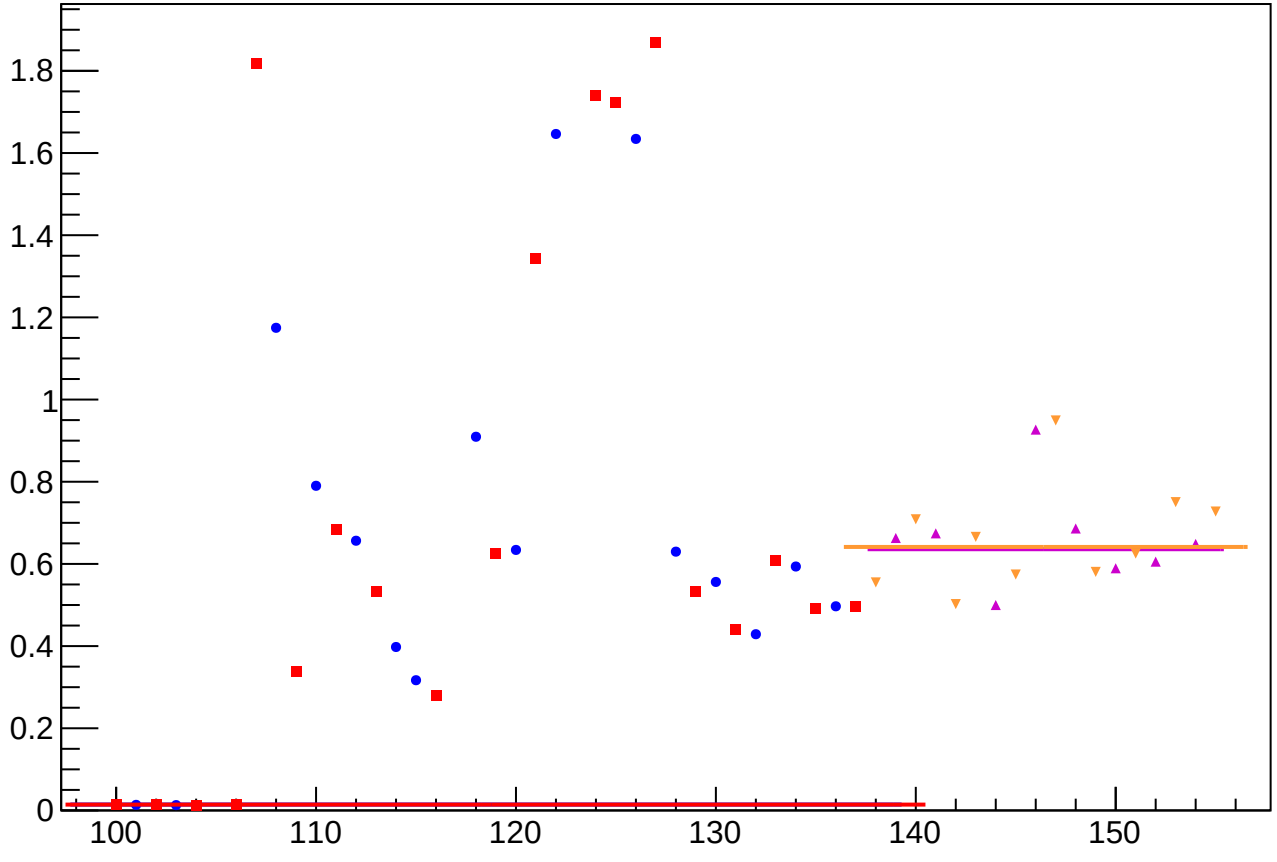
Left In: 157.486+/-0.000 χ^2/NDF:39533845.6/7

+ sign 871.584+/-0.000 χ^2/NDF: 13495501517666.

All: 871.634+/-0.000 χ^2/NDF: 285284755233

- sign 871.677+/-0.000 χ^2/NDF: 15032941461639.6

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.641+/-0.000 χ^2/NDF:257202.8/9

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

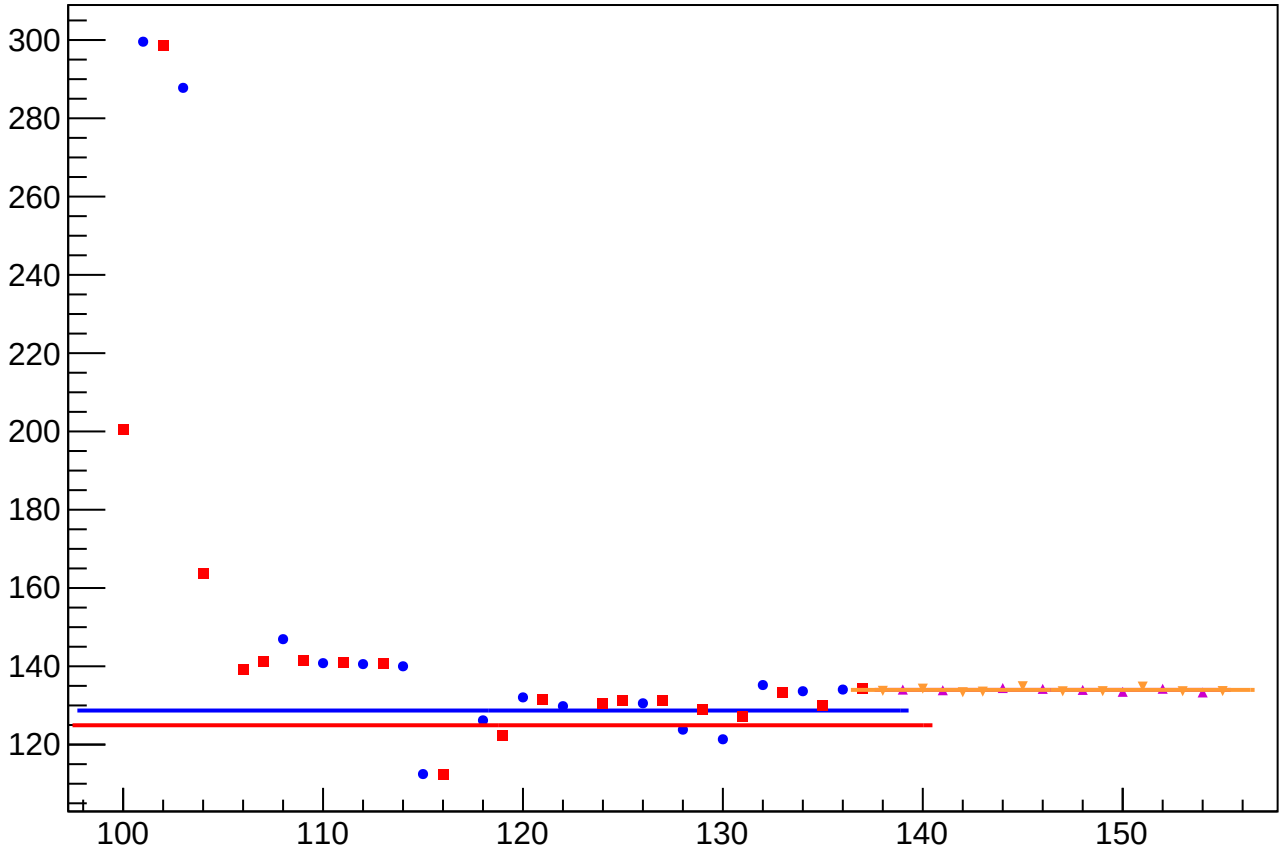
Left In: 0.636+/-0.000 χ^2/NDF:204725.1/7

+ sign 0.015+/-0.000 χ^2/NDF: 19573254.7/25

All: 0.015+/-0.000 χ^2/NDF: 38049149.9/52

- sign 0.015+/-0.000 χ^2/NDF: 18474916.9/26

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.972+/-0.000 χ^2/NDF:9792028.4/9

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

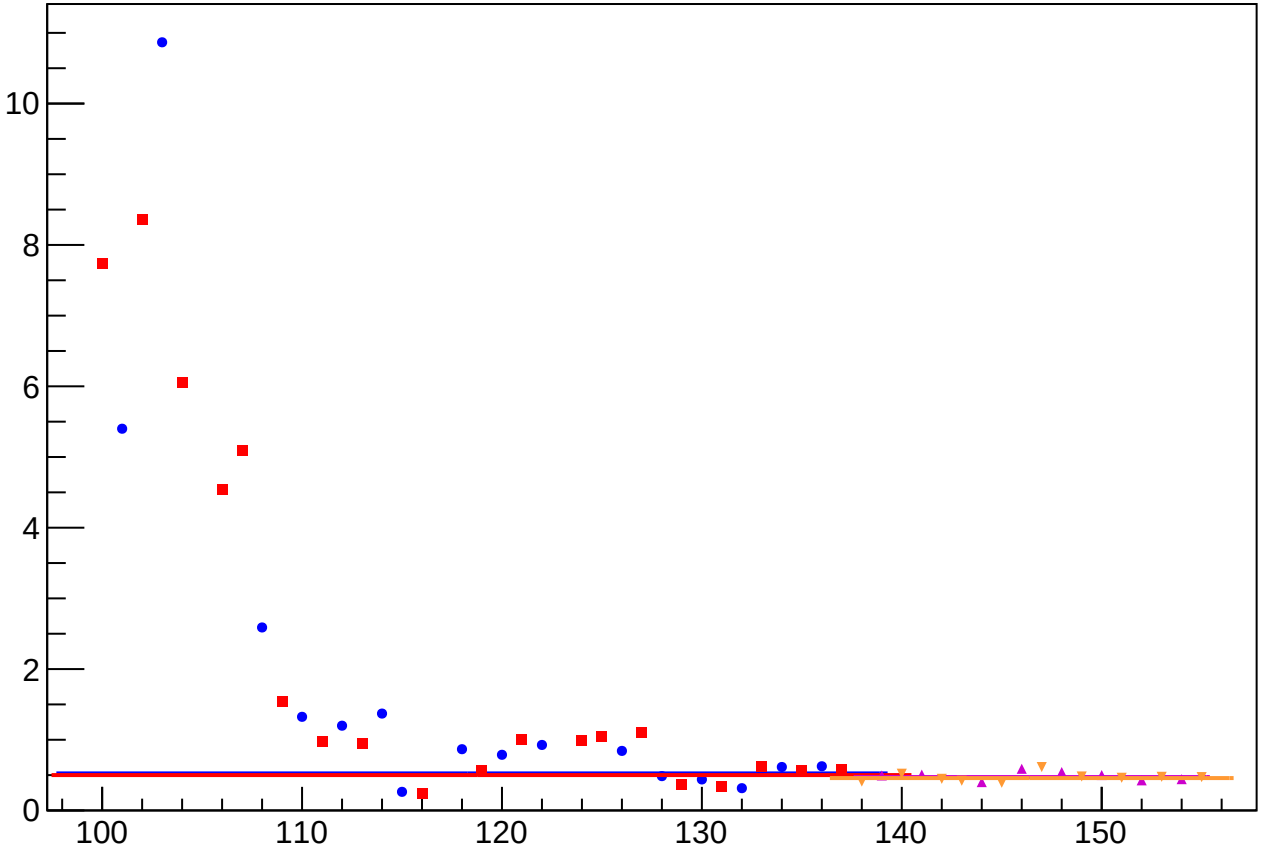
Left In: 133.968+/-0.000 χ^2/NDF:4316684.3/7

+ sign 132.393+/-0.000 χ^2/NDF: 1926120506.5/25

All: 131.646+/-0.000 χ^2/NDF: 4126316395.7

- sign 130.817+/-0.000 χ^2/NDF: 2147660660.2/26

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.458+/-0.000 χ^2/NDF:185399.6/9

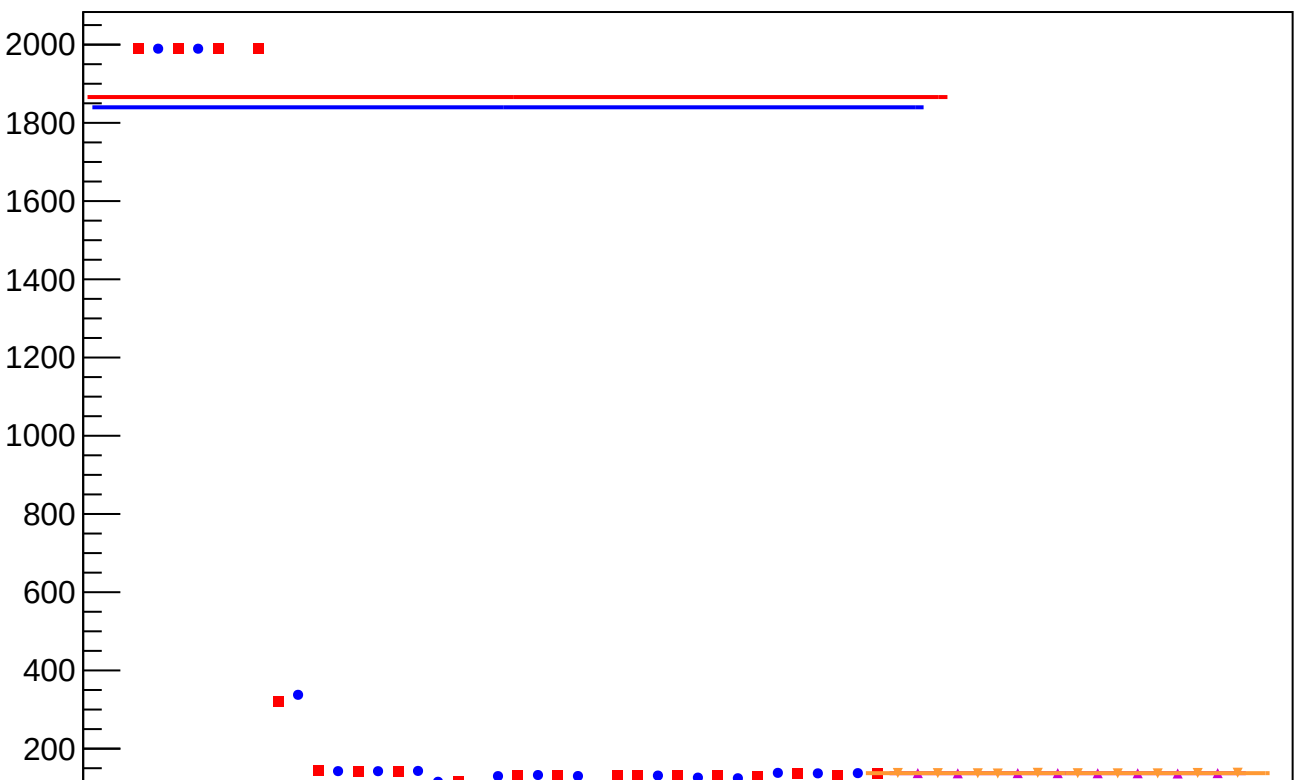
Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.473+/-0.000 χ^2/NDF:181802.7/7

+ sign 0.478+/-0.000 χ^2/NDF: 4405415.5/25

All: 0.480+/-0.000 χ^2/NDF: 9486516.9/52

- sign 0.482+/-0.000 χ^2/NDF: 5080241.9/26



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.349+/-0.000 χ^2/NDF:20586481.7/9

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

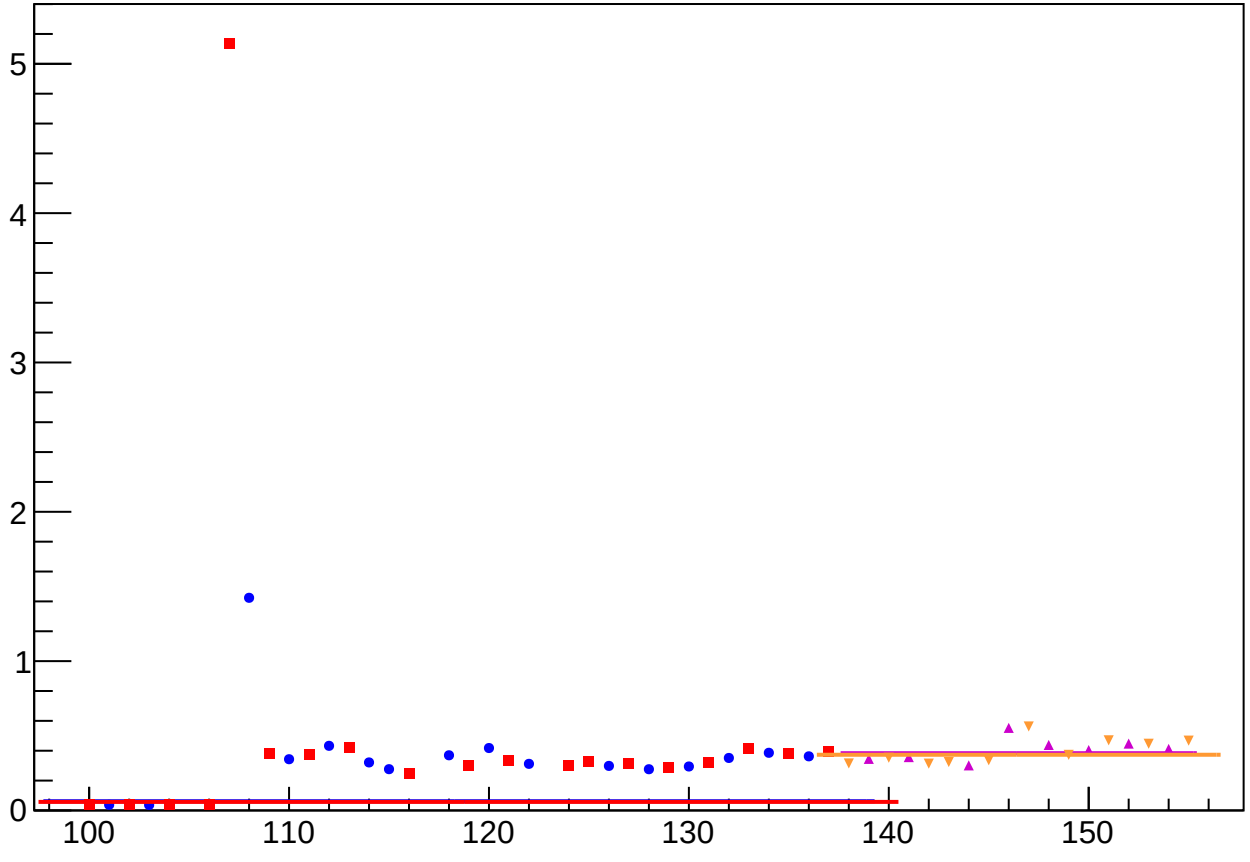
Left In: 137.310+/-0.000 χ^2/NDF:4158774.3/7

+ sign 1697.037+/-0.000 χ^2/NDF: 2845132964828

All: 1729.428+/-0.000 χ^2/NDF: 5530108554

- sign 1757.814+/-0.000 χ^2/NDF: 26727202234494

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.373+/-0.000 χ^2/NDF:490576.8/9

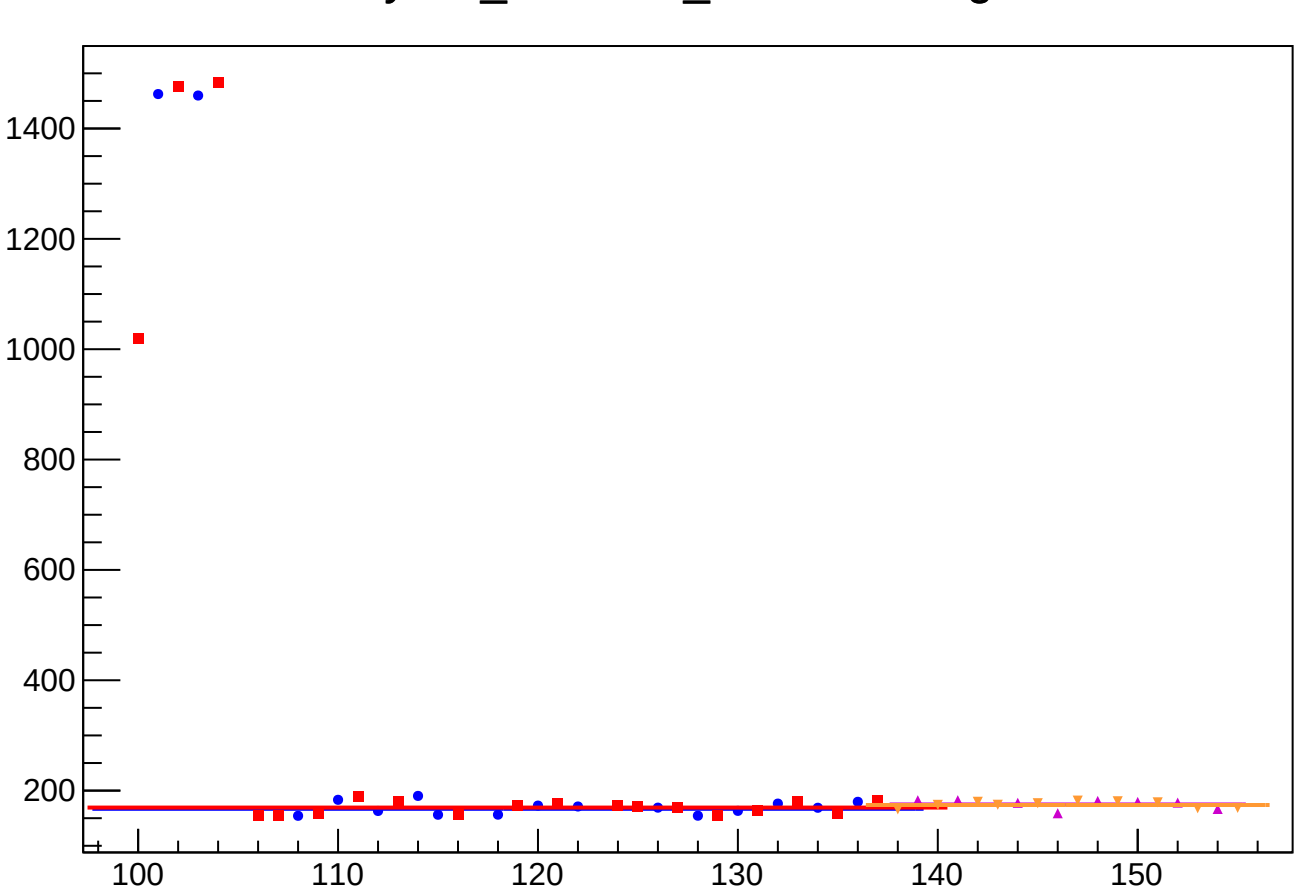
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.383+/-0.000 χ^2/NDF:387043.1/7

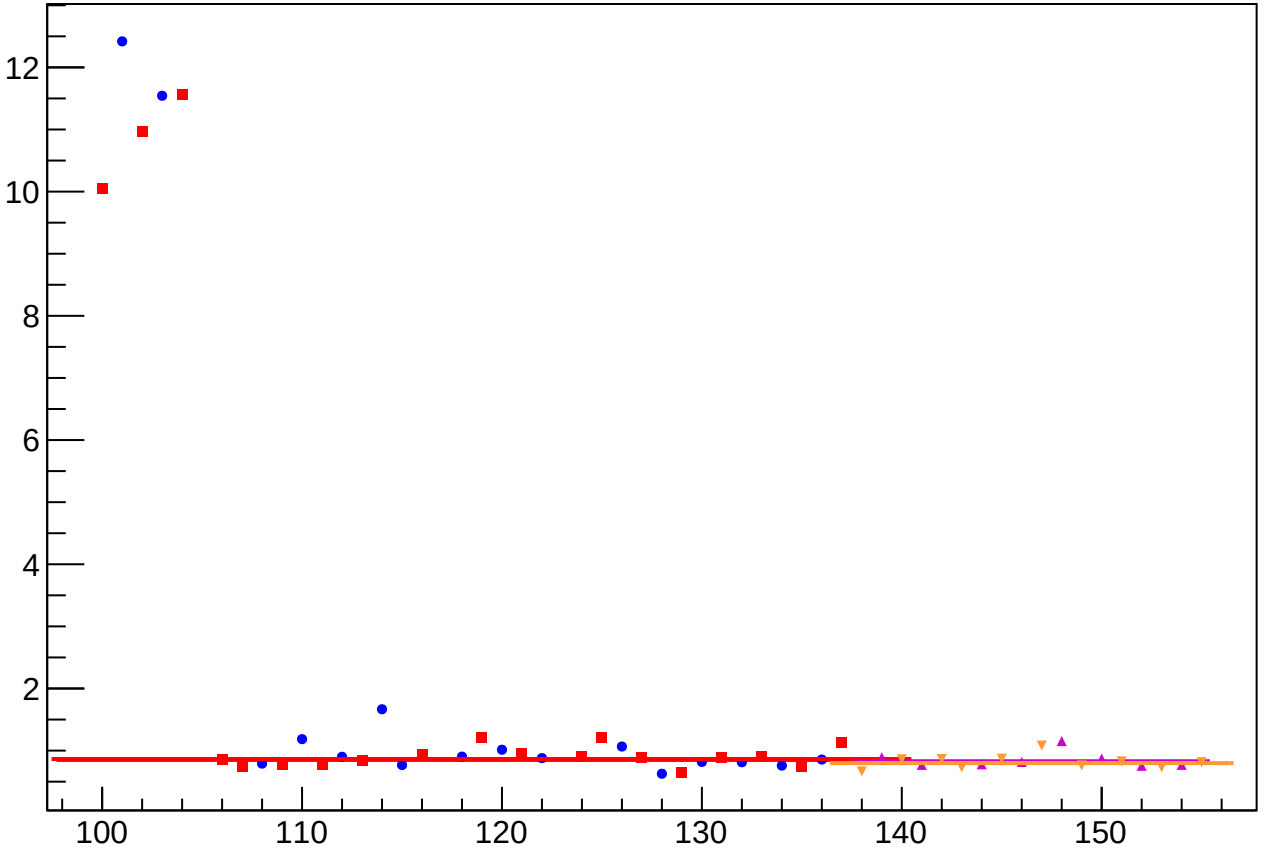
+ sign 0.088+/-0.000 χ^2/NDF: 17929594.7/25

All: 0.082+/-0.000 χ^2/NDF: 34992152.4/52

- sign 0.078+/-0.000 χ^2/NDF: 16993846.0/26


yield_bcm0l02_mean vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 167.017+/-0.000 χ²/NDF: 14614977518.5/15
Left Out: 173.916+/-0.000 χ²/NDF:225905843.6/9
Right Out: 169.257+/-0.000 χ²/NDF: 16317542946.8/18
Left In: 174.903+/-0.000 χ²/NDF:436311879.7/7
+ sign 171.026+/-0.000 χ²/NDF: 14987379037.1/25
All: 171.618+/-0.000 χ²/NDF: 31842843842.
- sign 172.260+/-0.000 χ²/NDF: 16846235775.5/26

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.799+/-0.000 χ^2/NDF:145733.8/9

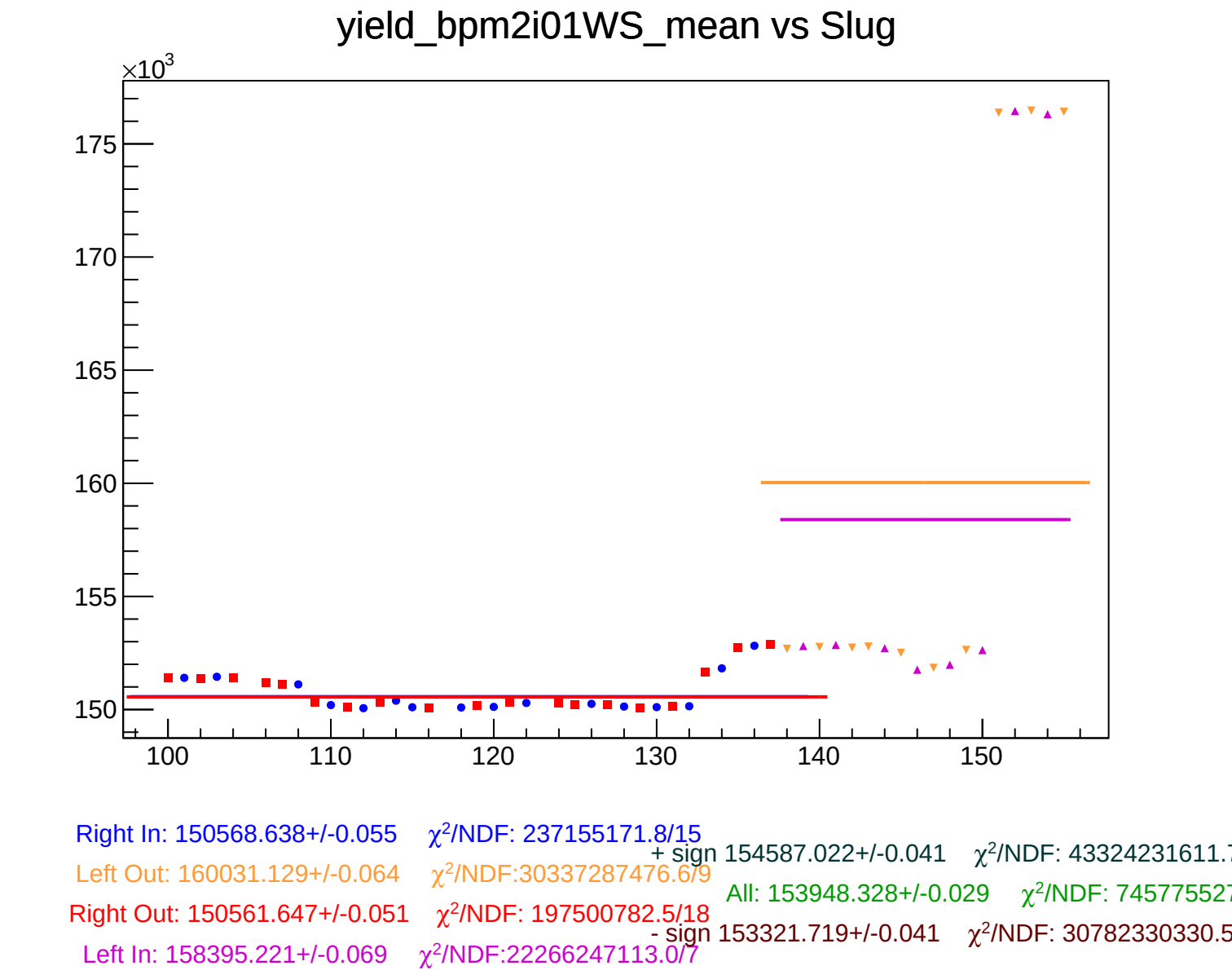
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.829+/-0.000 χ^2/NDF:129480.6/7

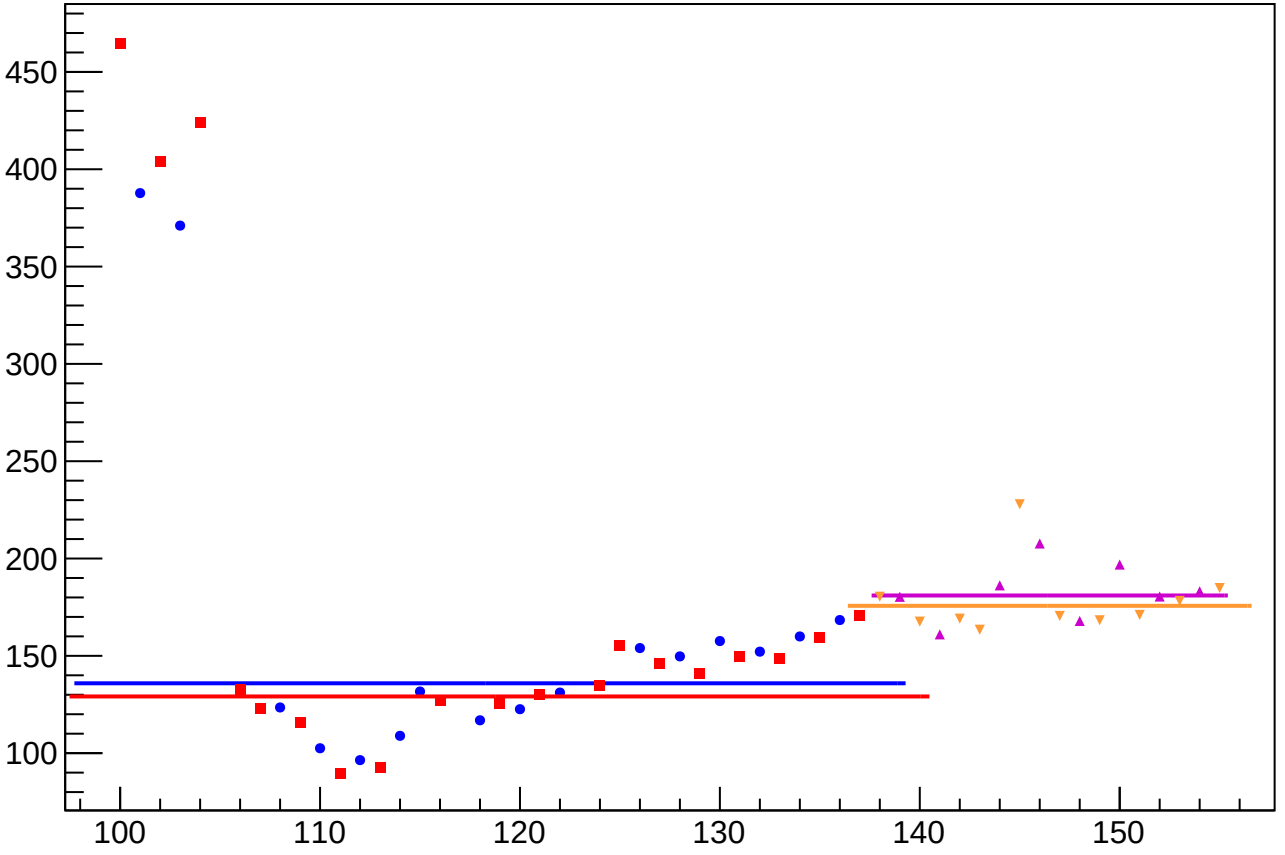
+ sign 0.821+/-0.000 χ^2/NDF: 2466200.2/25

All: 0.833+/-0.000 χ^2/NDF: 4819205.4/52

- sign 0.845+/-0.000 χ^2/NDF: 2345994.3/26


yield_bpm2i01WS_mean vs Slug
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 160031.129+/-0.064 χ²/NDF:30337287476.6/9
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 158395.221+/-0.069 χ²/NDF:22266247113.0/7
+ sign 154587.022+/-0.041 χ²/NDF: 4332423161
All: 153948.328+/-0.029 χ²/NDF: 7457755
- sign 153321.719+/-0.041 χ²/NDF: 30782330330.5

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 175.699+/-0.045 χ^2/NDF:109857.3/9

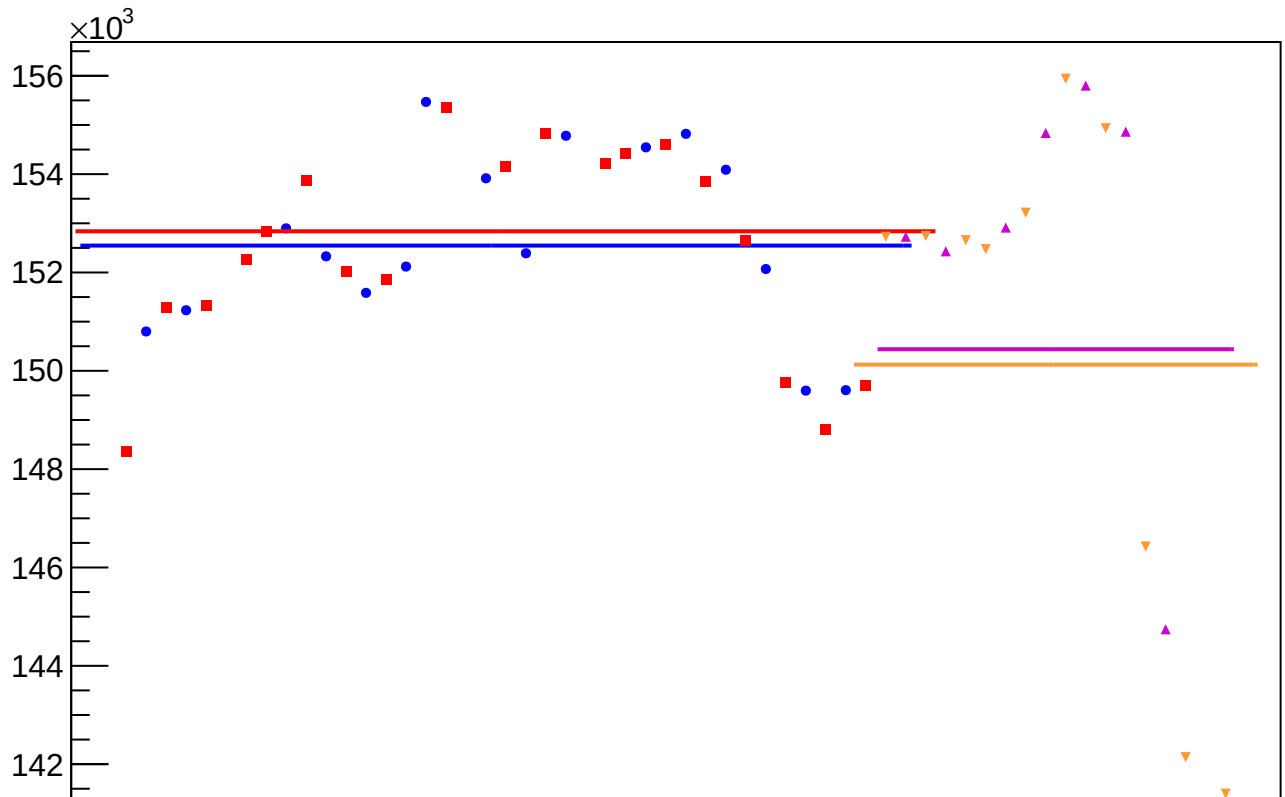
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.012+/-0.049 χ^2/NDF:78968.6/7

+ sign 152.799+/-0.029 χ^2/NDF: 1977360.9/25

All: 150.079+/-0.021 χ^2/NDF: 4417483.3/52

- sign 147.410+/-0.029 χ^2/NDF: 2423037.9/26



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 150125.550+/-0.071 χ^2/NDF:4712205437.7/9

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

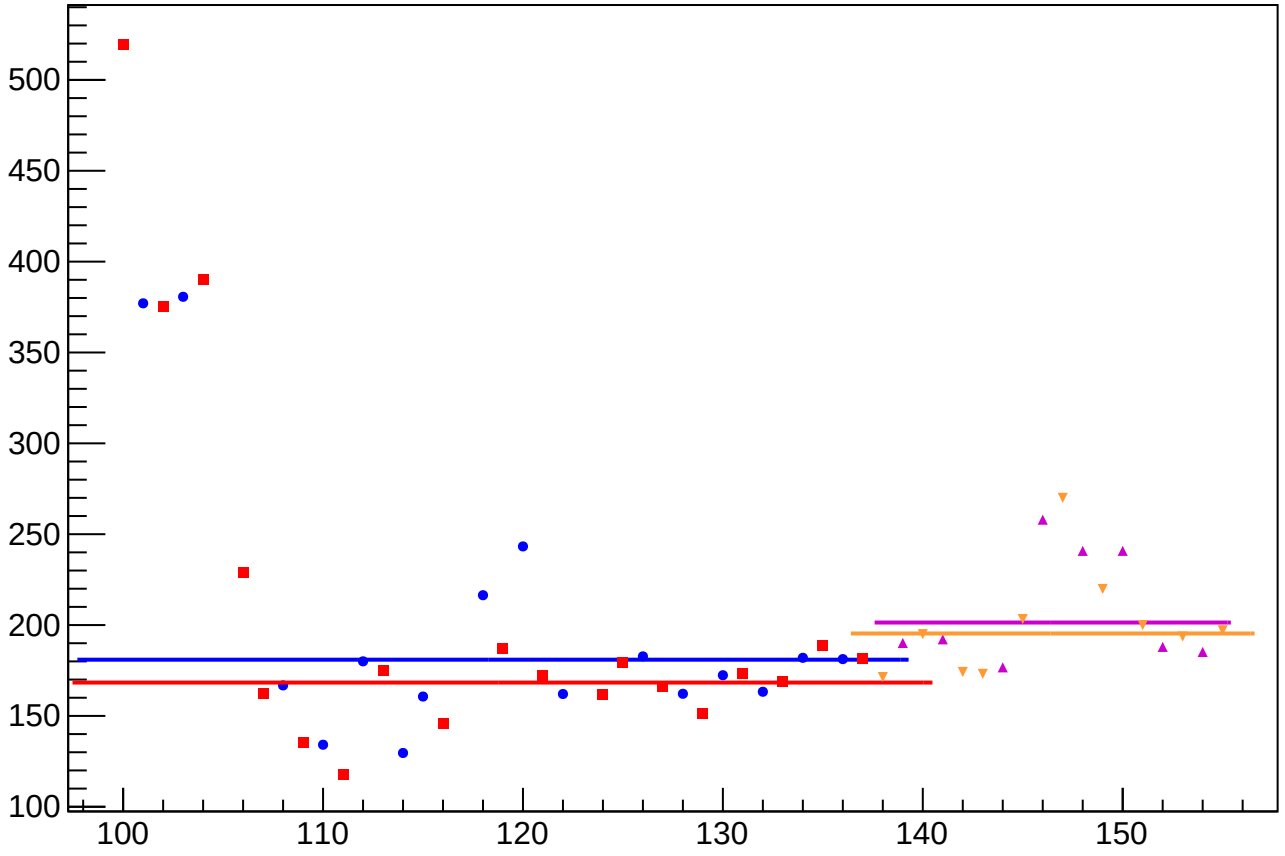
Left In: 150439.130+/-0.078 χ^2/NDF:4323777072.4/7

+ sign 151312.511+/-0.051 χ^2/NDF: 5933576373.2/

All: 151567.340+/-0.036 χ^2/NDF: 11594035

- sign 151819.414+/-0.051 χ^2/NDF: 5610485883.4/

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.366+/-0.050 χ^2/NDF:217396.7/9

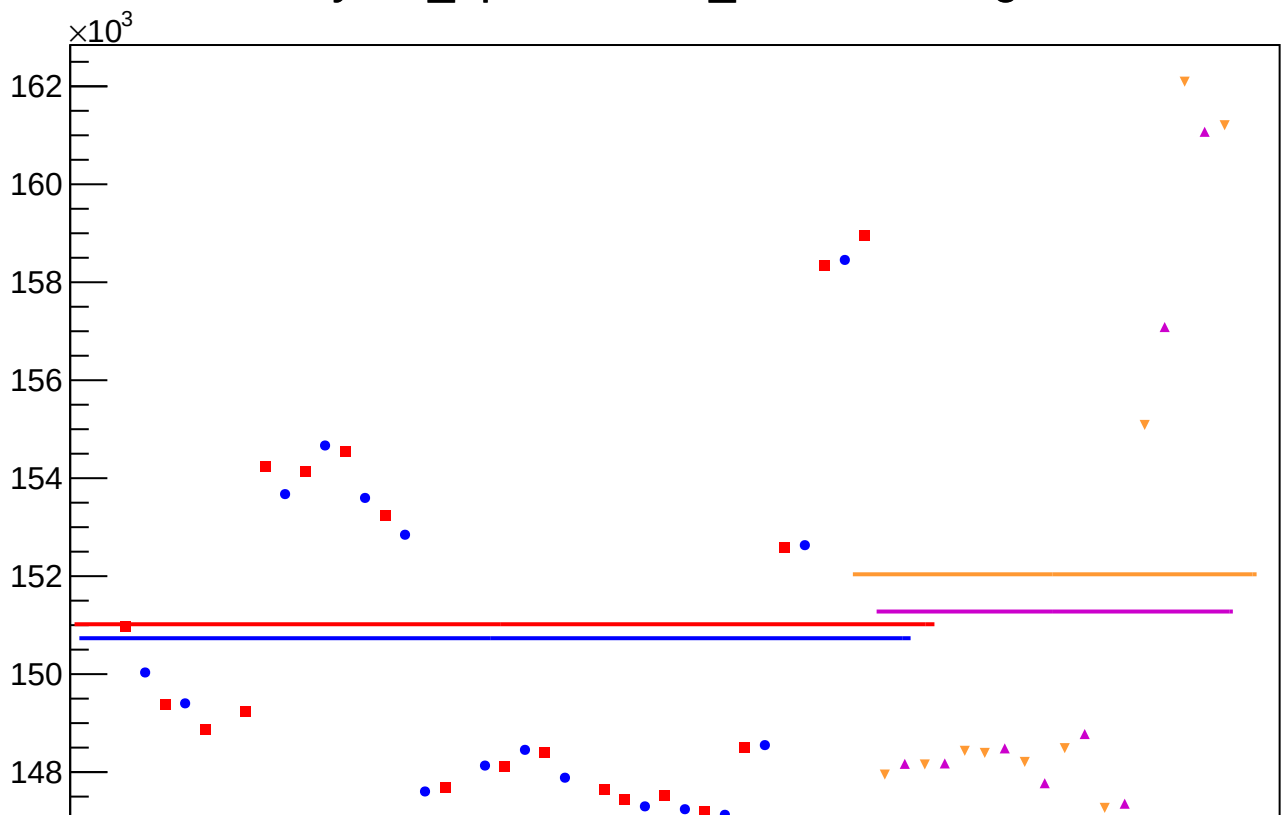
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 201.393+/-0.055 χ^2/NDF:241222.0/7

+ sign 188.294+/-0.036 χ^2/NDF: 1165404.3/25

All: 185.320+/-0.025 χ^2/NDF: 2717983.0/52

- sign 182.379+/-0.036 χ^2/NDF: 1538971.1/26



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 152038.238+/-0.069 χ^2/NDF:6921131706.5/9

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

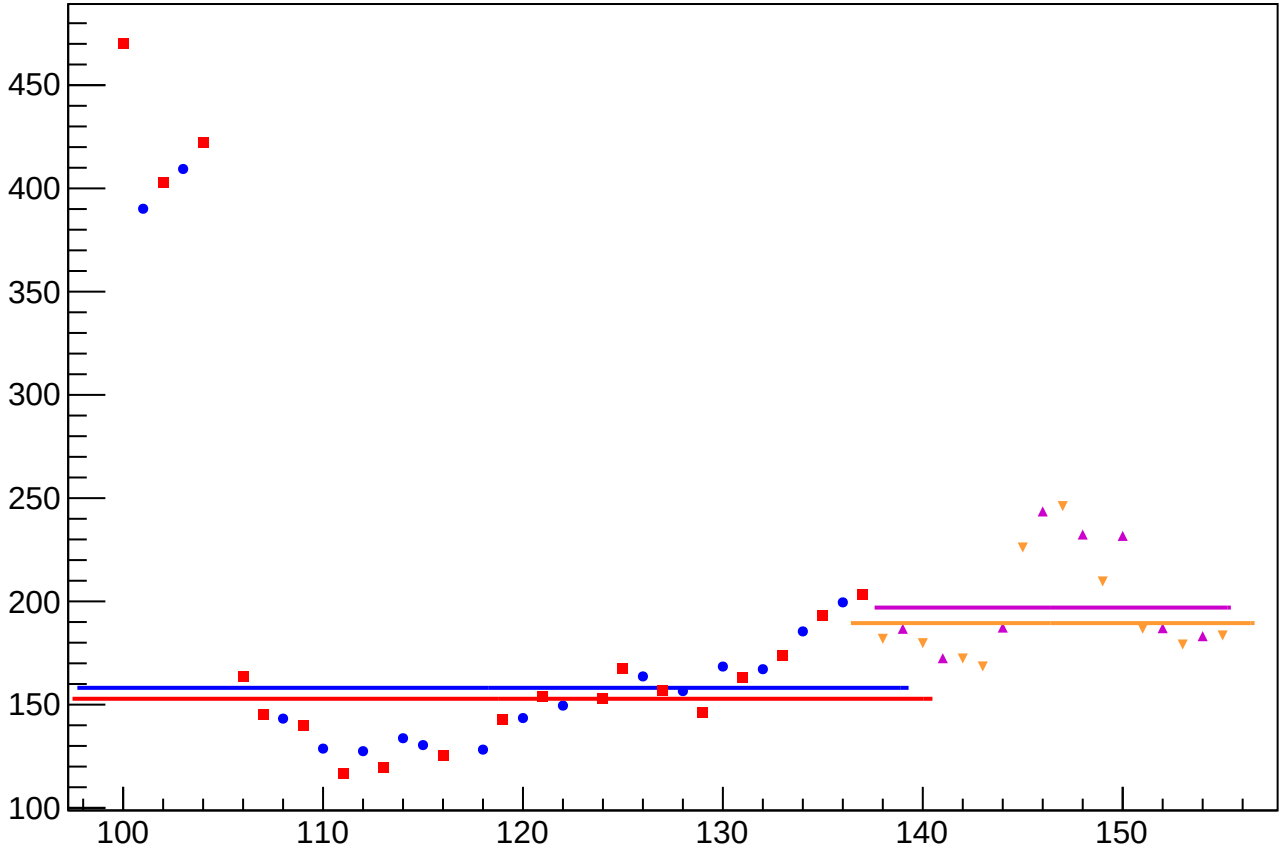
Left In: 151278.074+/-0.076 χ^2/NDF:4519794152.8/7

+ sign 151327.816+/-0.046 χ^2/NDF: 10401076687.

All: 151224.760+/-0.033 χ^2/NDF: 18224227

- sign 151119.010+/-0.047 χ^2/NDF: 7813159824.2/

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 189.483+/-0.049 χ^2/NDF:192556.8/9

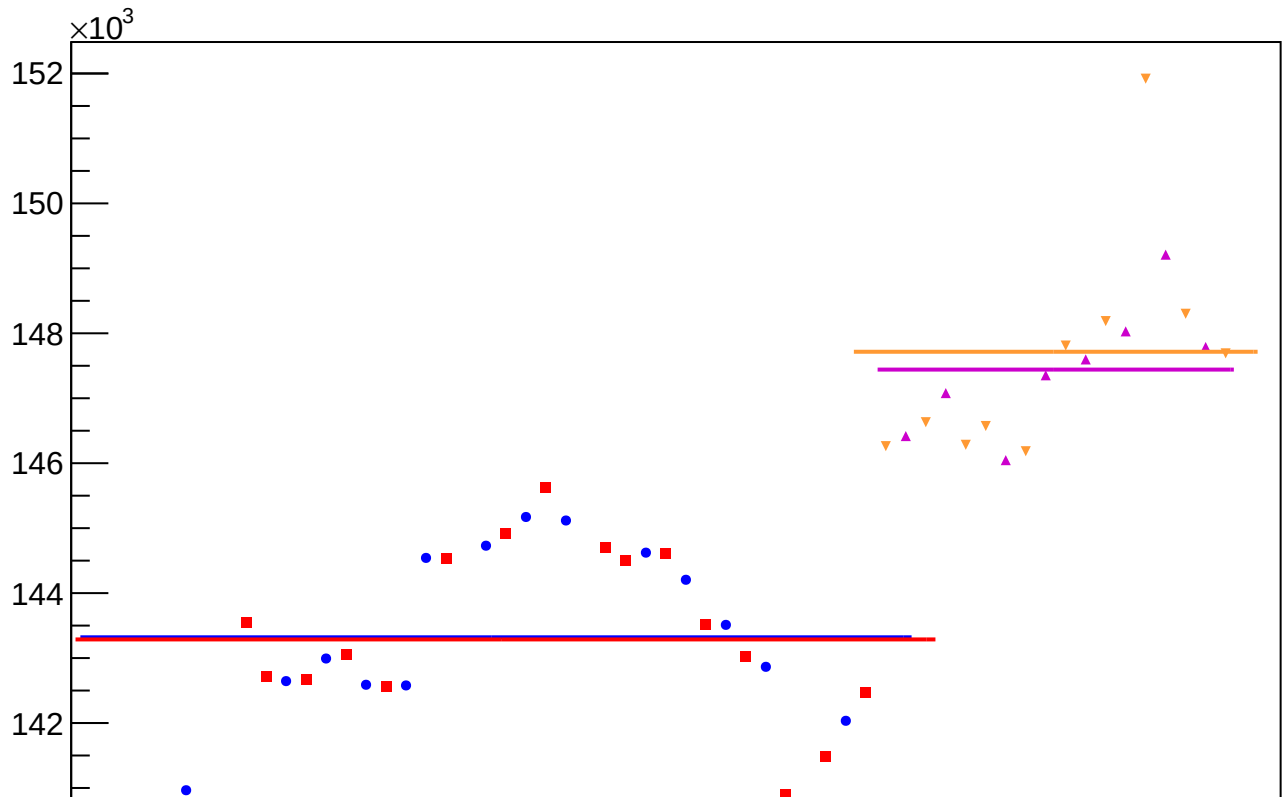
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.002+/-0.053 χ^2/NDF:202410.5/7

+ sign 172.418+/-0.033 χ^2/NDF: 1614545.9/25

All: 171.195+/-0.023 χ^2/NDF: 3502743.9/52

- sign 169.941+/-0.033 χ^2/NDF: 1885384.5/26



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147715.827+/-0.066 χ^2/NDF:668615130.5/9

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

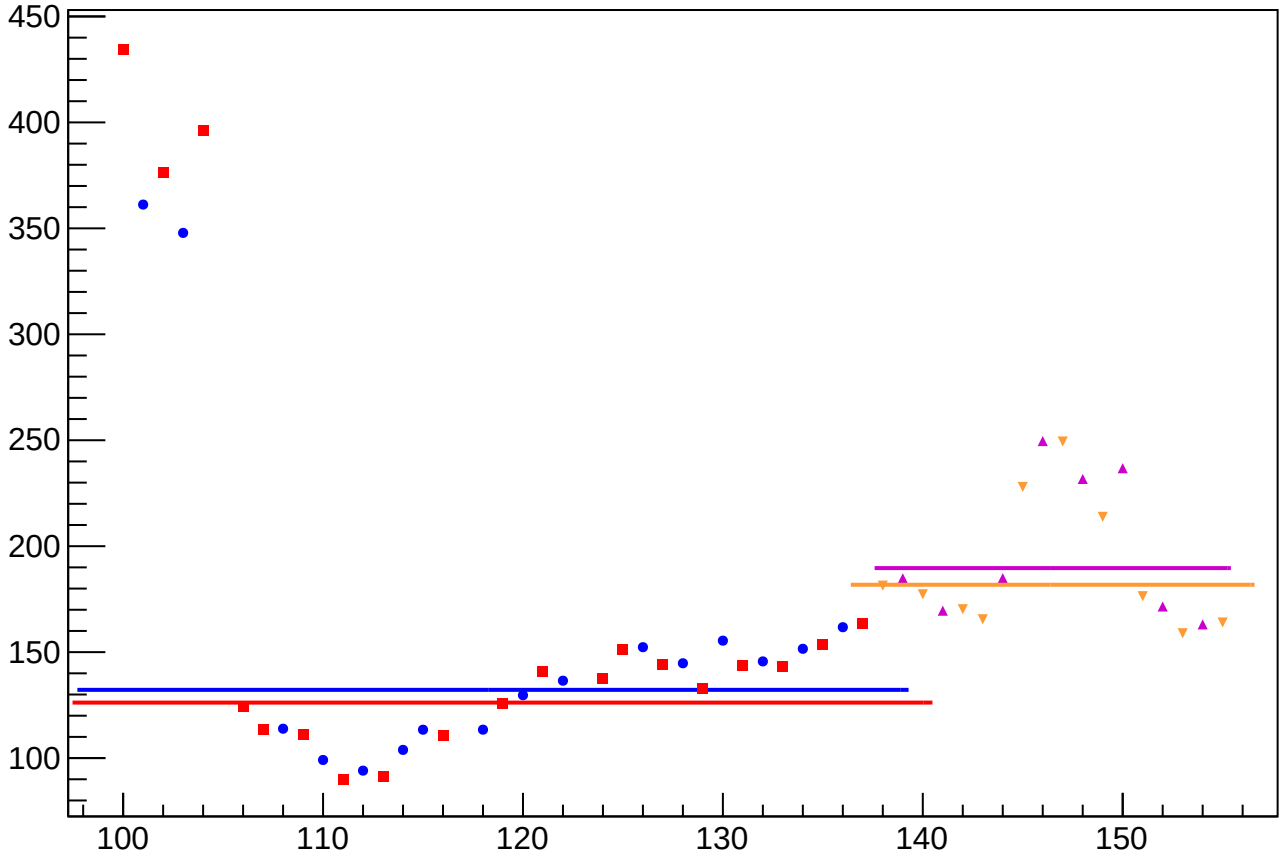
Left In: 147441.316+/-0.073 χ^2/NDF:179470028.6/7

+ sign 145039.385+/-0.041 χ^2/NDF: 3906776090.7/

All: 144817.605+/-0.029 χ^2/NDF: 69703597

- sign 144599.439+/-0.041 χ^2/NDF: 3006796322.0/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 181.805+/-0.047 χ^2/NDF:297342.6/9

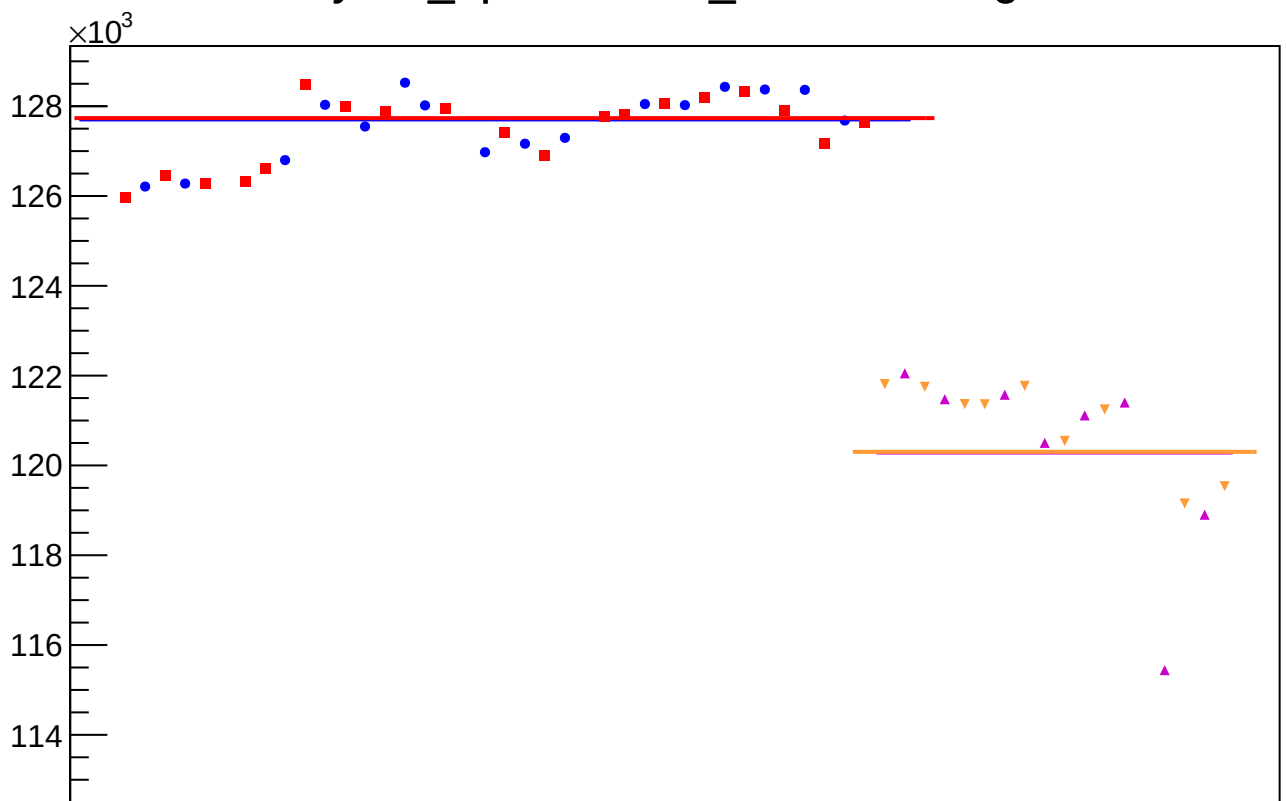
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 189.664+/-0.052 χ^2/NDF:316560.0/7

+ sign 151.608+/-0.029 χ^2/NDF: 2358552.5/25

All: 148.904+/-0.021 χ^2/NDF: 5267320.9/52

- sign 146.244+/-0.029 χ^2/NDF: 2891887.9/26



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120302.958+/-0.063 χ^2/NDF:1686645992.5/9

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

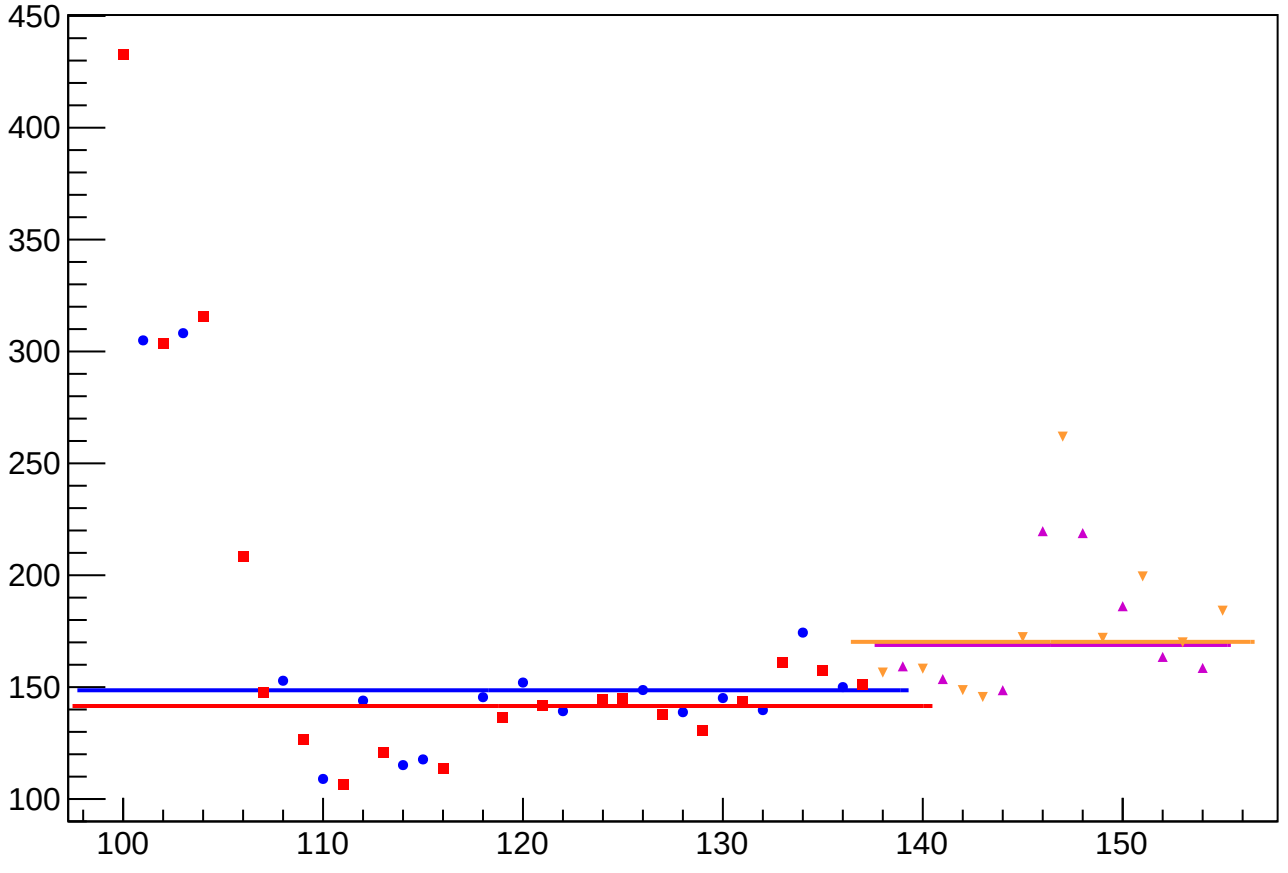
Left In: 120287.585+/-0.065 χ^2/NDF:1057222266.4/7

+ sign 124266.986+/-0.043 χ^2/NDF: 9249306718.0

All: 124465.117+/-0.030 χ^2/NDF: 18058698

- sign 124656.941+/-0.042 χ^2/NDF: 8767112871.8/

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 170.235+/-0.044 χ^2/NDF:326391.8/9

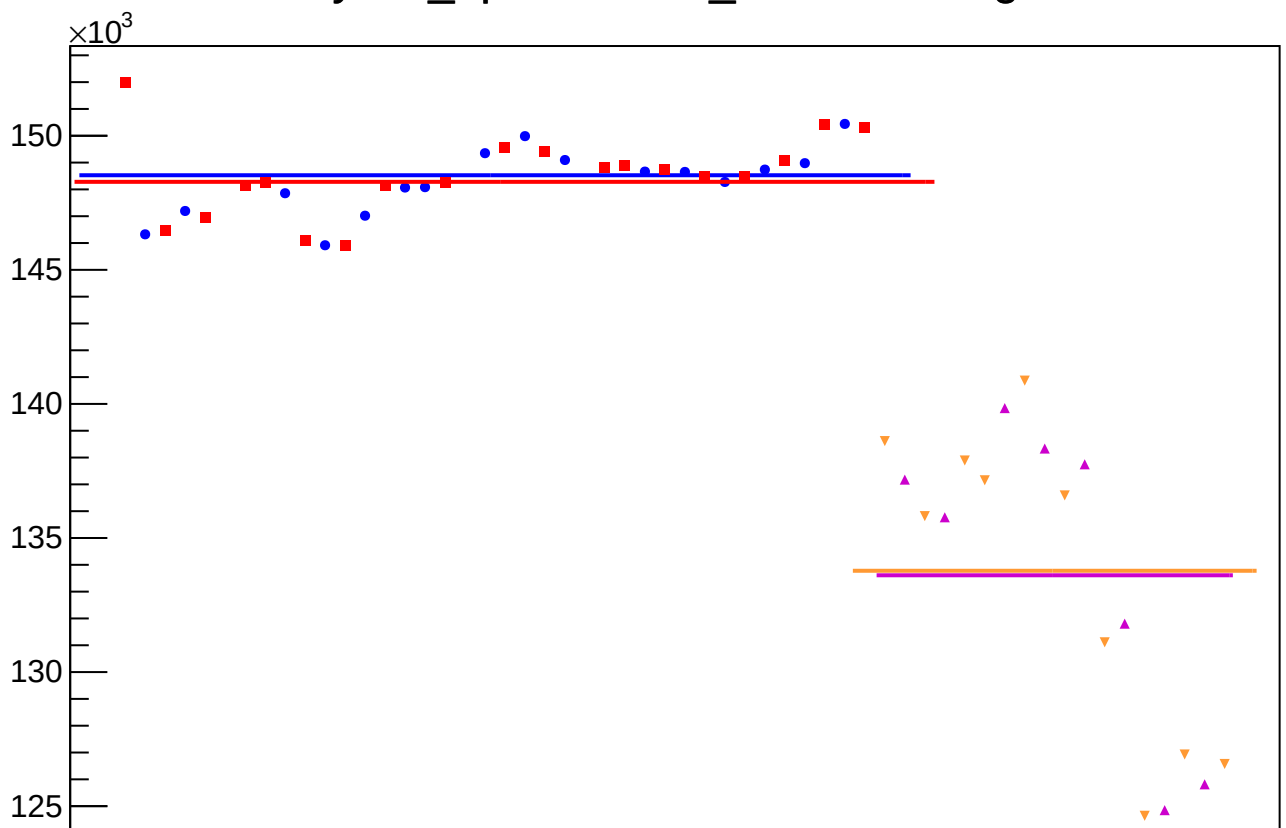
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 168.845+/-0.046 χ^2/NDF:255363.6/7

+ sign 158.645+/-0.030 χ^2/NDF: 1281597.7/25

All: 155.695+/-0.021 χ^2/NDF: 2760958.1/52

- sign 152.838+/-0.030 χ^2/NDF: 1460606.5/26



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 133778.134+/-0.093 χ^2/NDF:3154943760.4/9

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

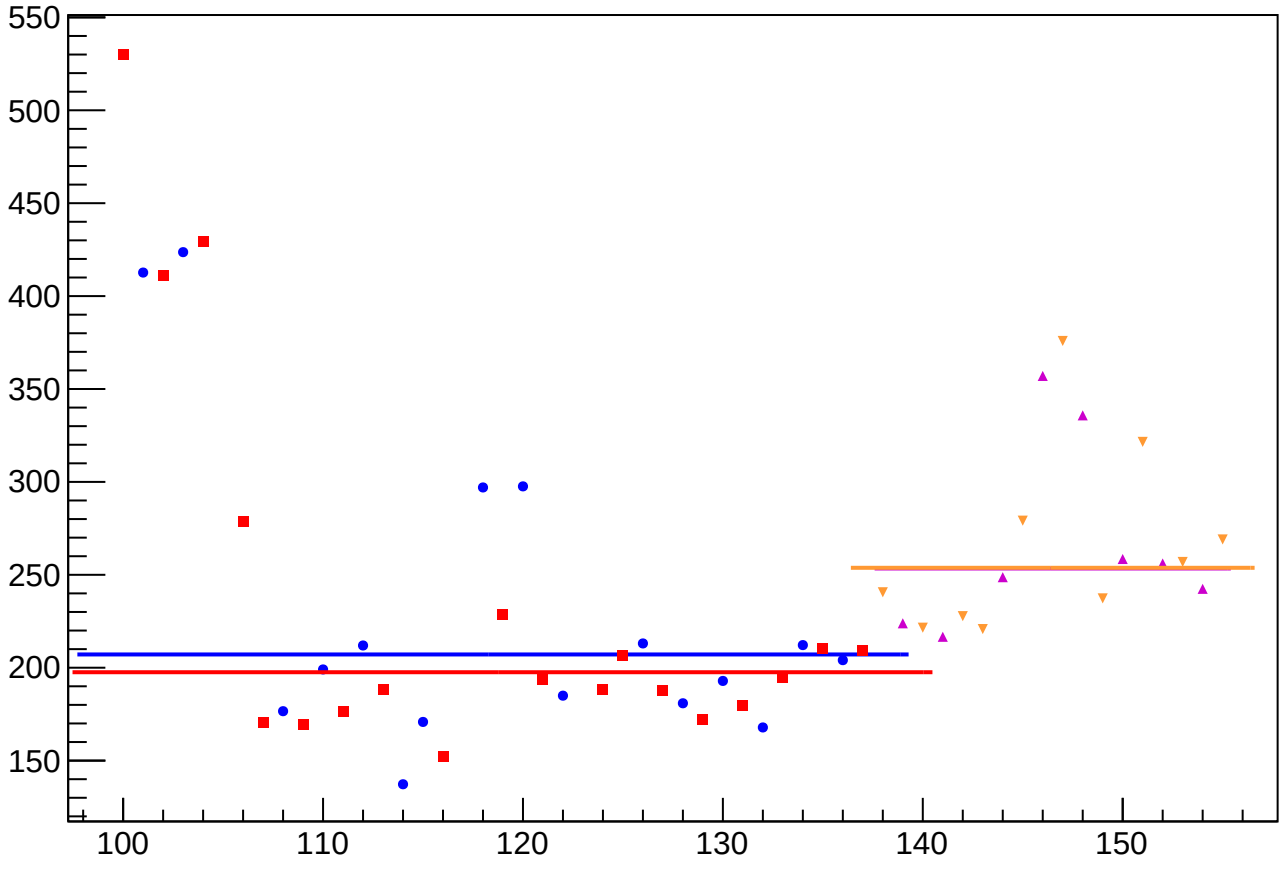
Left In: 133609.696+/-0.098 χ^2/NDF:3051626406.3/7

+ sign 142079.117+/-0.061 χ^2/NDF: 17530157495.8

All: 142400.914+/-0.043 χ^2/NDF: 34859312

- sign 142710.909+/-0.060 χ^2/NDF: 17275351349.4

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 253.772+/-0.066 χ^2/NDF:355752.0/9

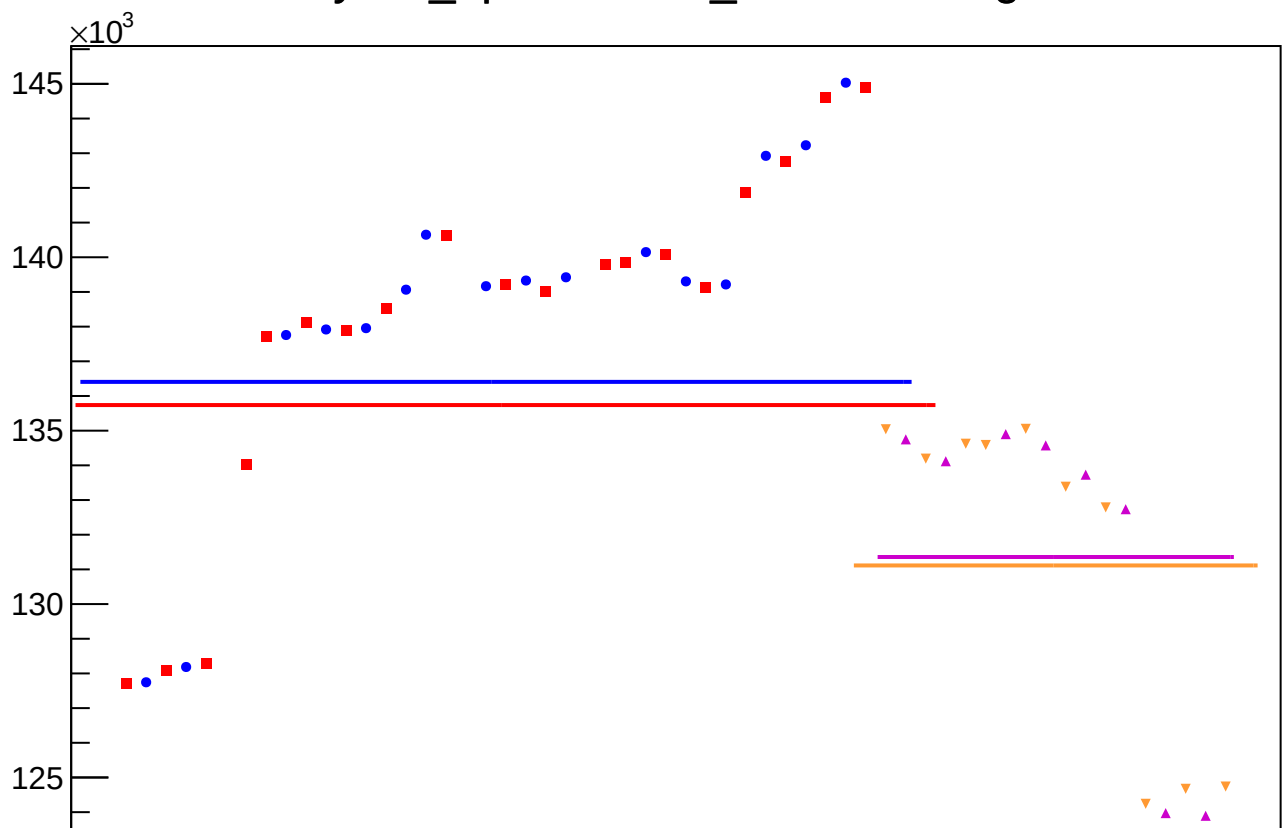
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 253.398+/-0.069 χ^2/NDF:328645.5/7

+ sign 227.525+/-0.043 χ^2/NDF: 1611223.5/25

All: 223.065+/-0.030 χ^2/NDF: 3267850.8/52

- sign 218.769+/-0.043 χ^2/NDF: 1635958.3/26



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 131113.696+/-0.200 χ^2/NDF:559371169.2/9

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

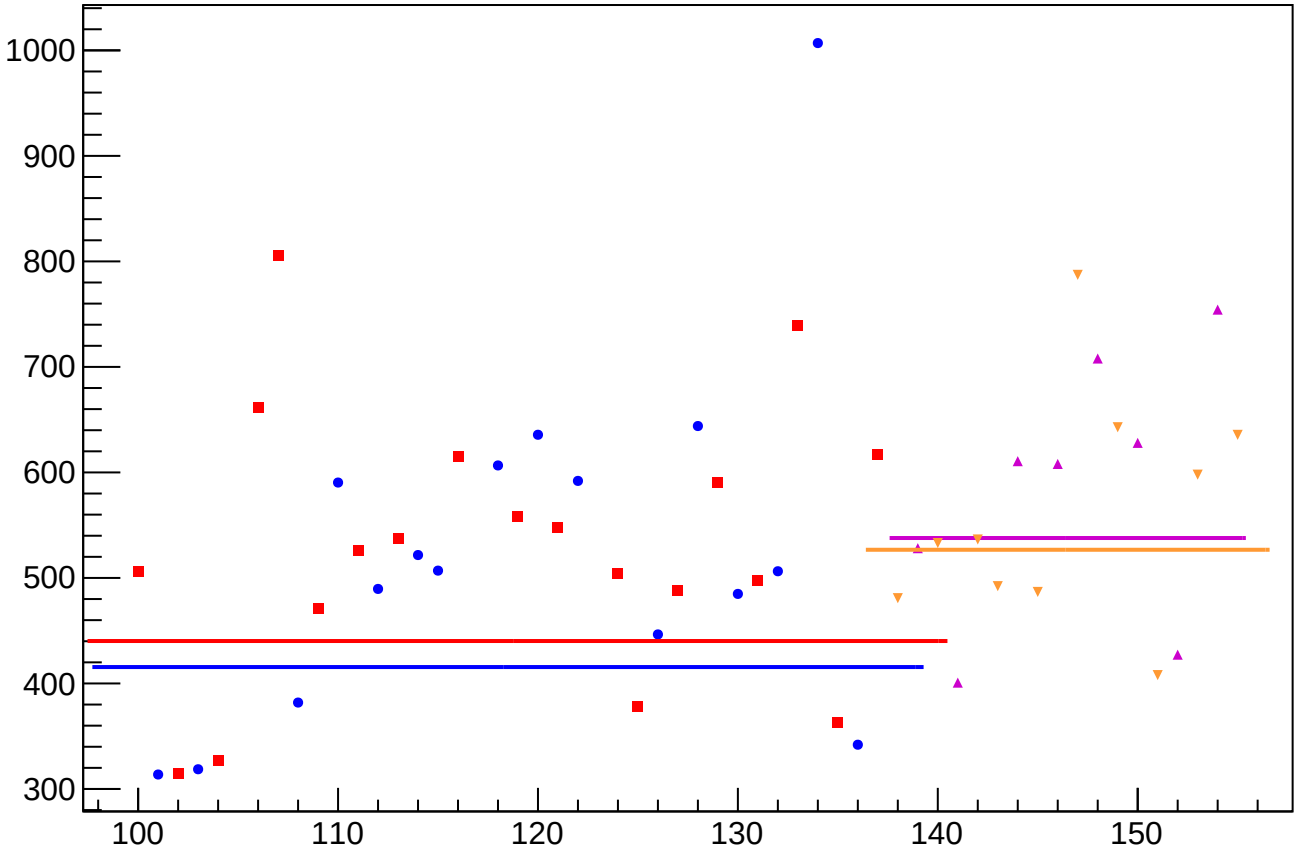
Left In: 131357.299+/-0.224 χ^2/NDF:423961104.1/7

+ sign 134205.976+/-0.129 χ^2/NDF: 2546399693.3

All: 134137.740+/-0.094 χ^2/NDF: 43808675

- sign 134058.636+/-0.139 χ^2/NDF: 1833862202.5/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 526.702+/-0.141 χ^2/NDF:432357.5/9

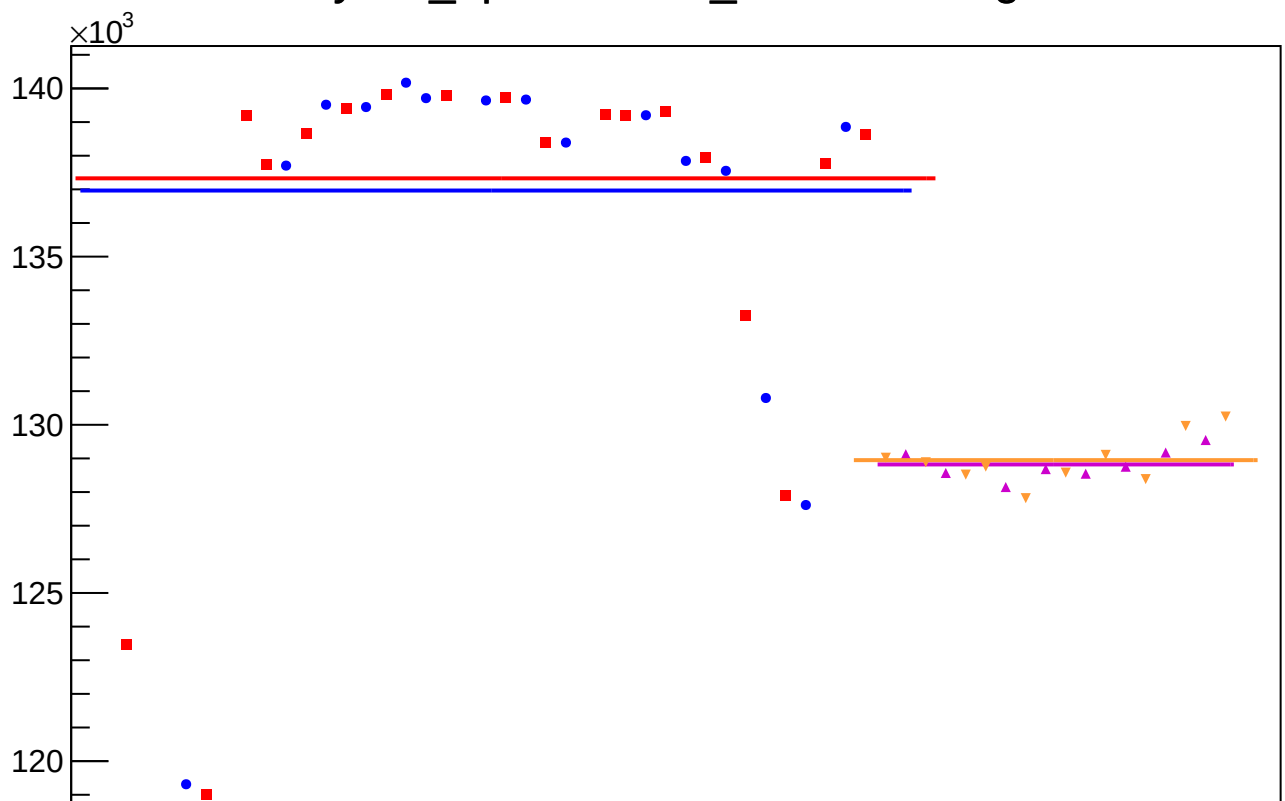
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 537.836+/-0.158 χ^2/NDF:543861.6/7

+ sign 461.766+/-0.091 χ^2/NDF: 1825520.2/25

All: 469.120+/-0.067 χ^2/NDF: 3528356.9/52

- sign 477.646+/-0.098 χ^2/NDF: 1688767.2/26



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128949.192+/-0.067 χ^2/NDF:101344192.9/9

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

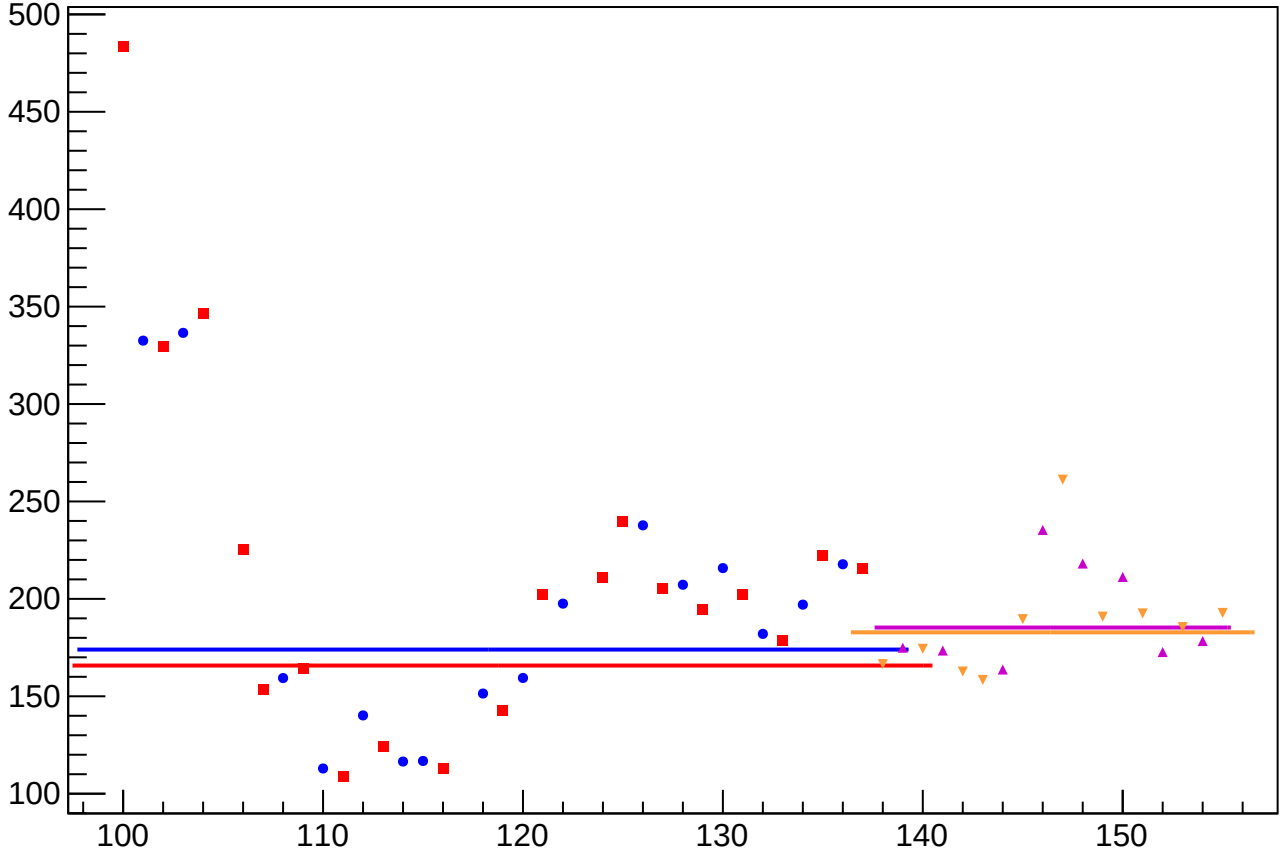
Left In: 128821.625+/-0.071 χ^2/NDF:38530692.4/7

+ sign 132780.011+/-0.048 χ^2/NDF: 12808793384.

All: 133102.377+/-0.034 χ^2/NDF: 26379828

- sign 133425.835+/-0.048 χ^2/NDF: 13481434120.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 182.829+/-0.047 χ^2/NDF:230002.1/9

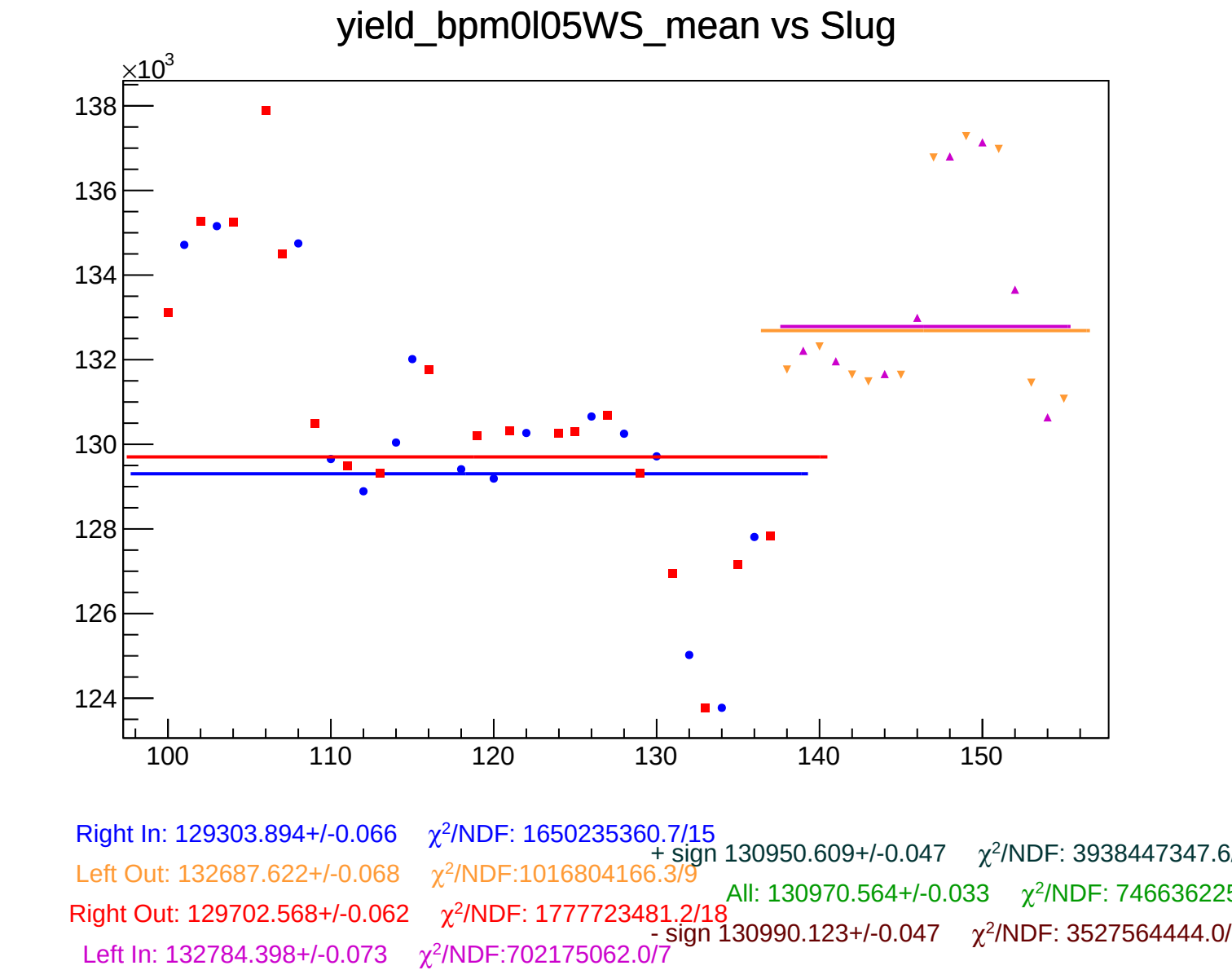
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 185.286+/-0.050 χ^2/NDF:199022.3/7

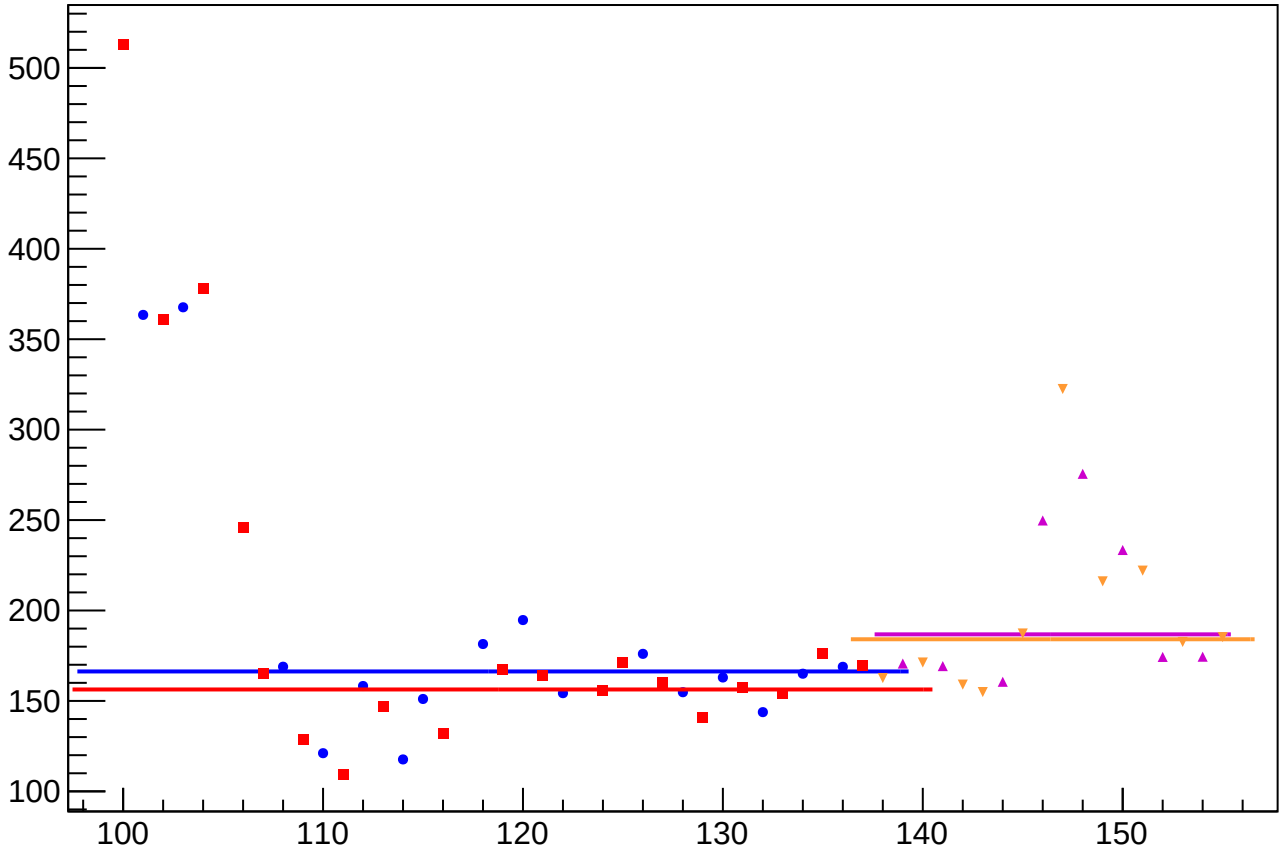
+ sign 178.601+/-0.034 χ^2/NDF: 1435306.5/25

All: 176.668+/-0.024 χ^2/NDF: 3154976.7/52

- sign 174.728+/-0.034 χ^2/NDF: 1713224.7/26


yield_bpm0l05WS_mean vs Slug
×10^3
138
136
134
132
130
128
126
124
100
110
120
130
140
150
Right In: 129303.894+/-0.066 χ²/NDF: 1650235360.7/15
Left Out: 132687.622+/-0.068 χ²/NDF:1016804166.3/9
Right Out: 129702.568+/-0.062 χ²/NDF: 1777723481.2/18
Left In: 132784.398+/-0.073 χ²/NDF:702175062.0/7
+ sign 130950.609+/-0.047 χ²/NDF: 3938447347.6
All: 130970.564+/-0.033 χ²/NDF: 74663622
- sign 130990.123+/-0.047 χ²/NDF: 3527564444.0/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 184.094+/-0.048 χ^2/NDF:496376.8/9

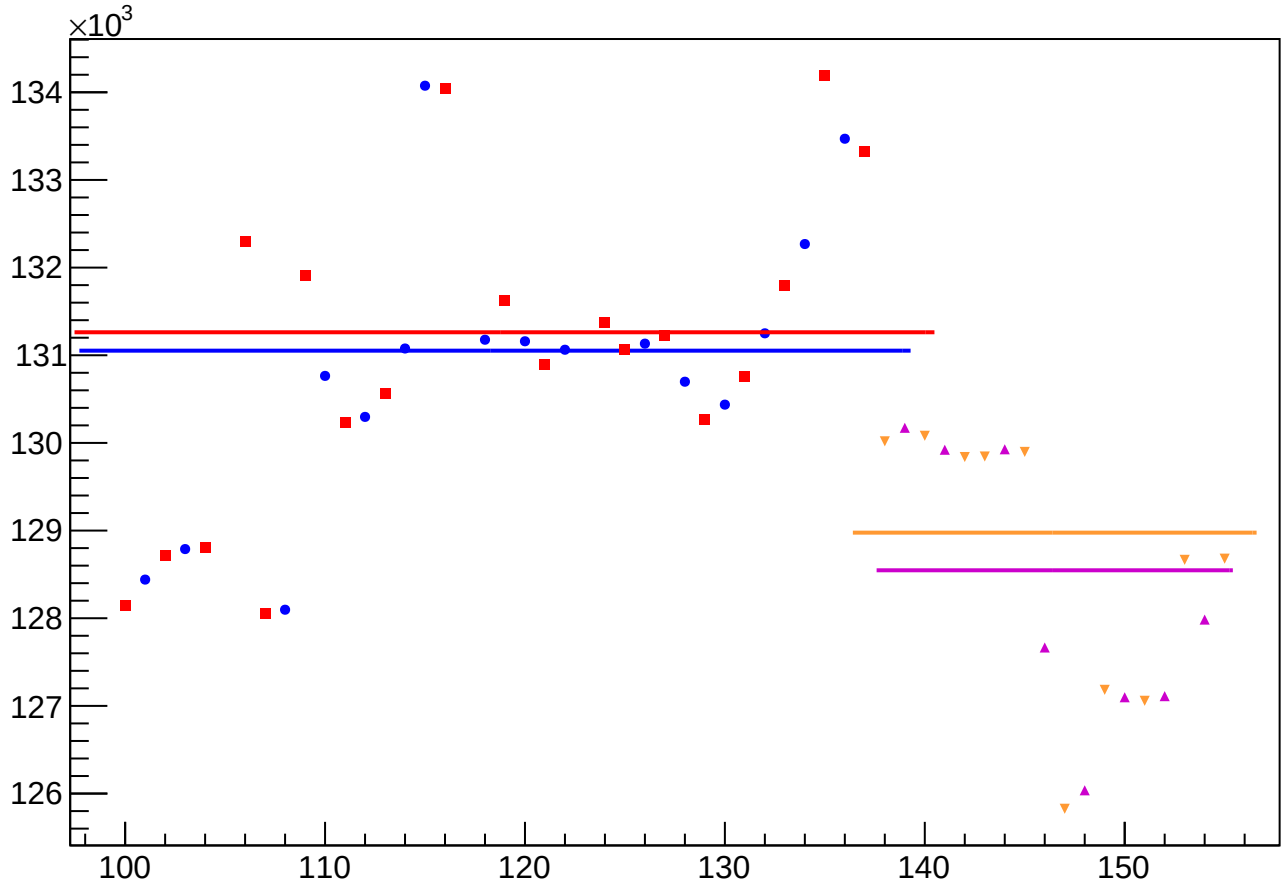
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.812+/-0.051 χ^2/NDF:446730.8/7

+ sign 174.961+/-0.034 χ^2/NDF: 1504628.1/25

All: 171.985+/-0.024 χ^2/NDF: 3344717.2/52

- sign 169.067+/-0.033 χ^2/NDF: 1824495.1/26



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128976.467+/-0.064 χ^2/NDF:403395137.6/9

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

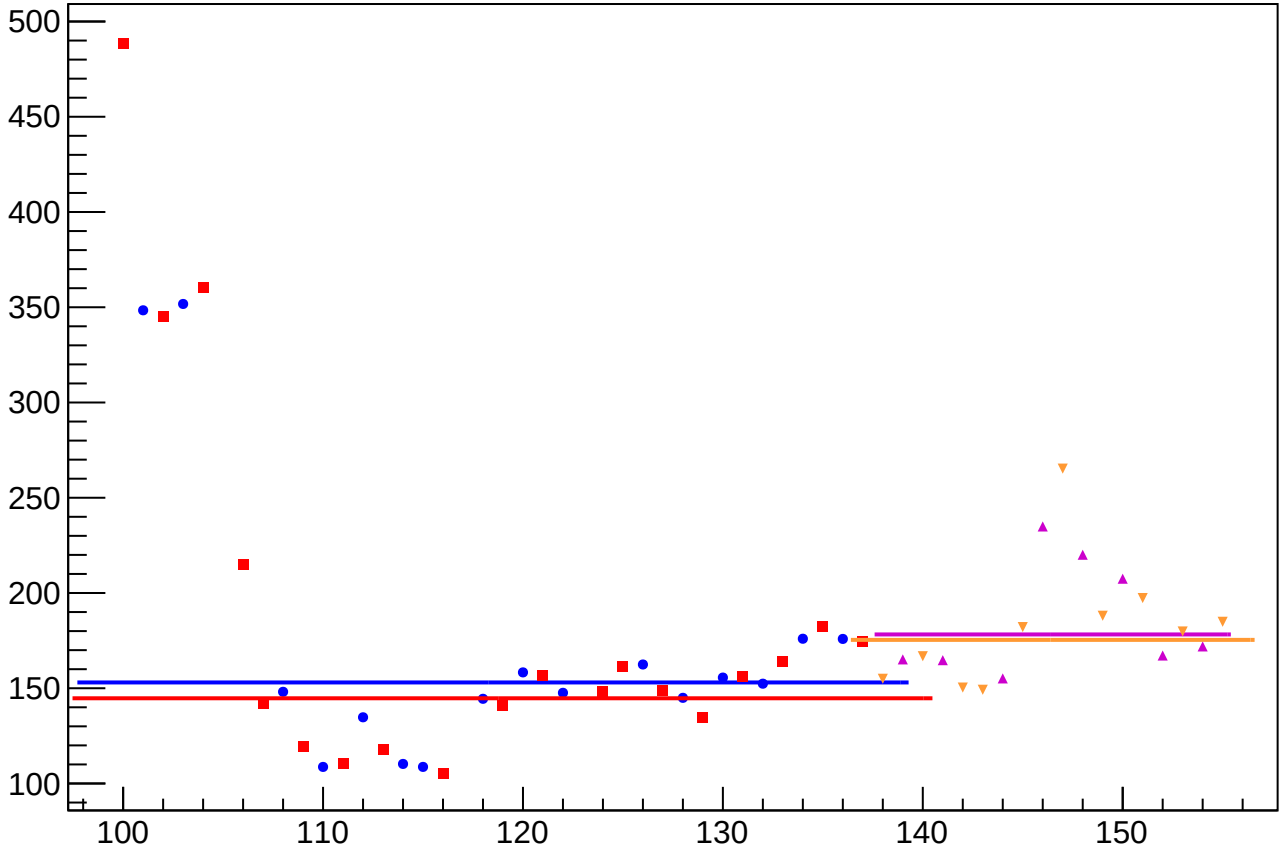
Left In: 128546.999+/-0.069 χ^2/NDF:443162906.5/7

+ sign 130073.366+/-0.044 χ^2/NDF: 1479823597.3

All: 130118.931+/-0.031 χ^2/NDF: 345830150

- sign 130163.766+/-0.044 χ^2/NDF: 1976357939.2/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 175.388+/-0.045 χ^2/NDF:326177.7/9

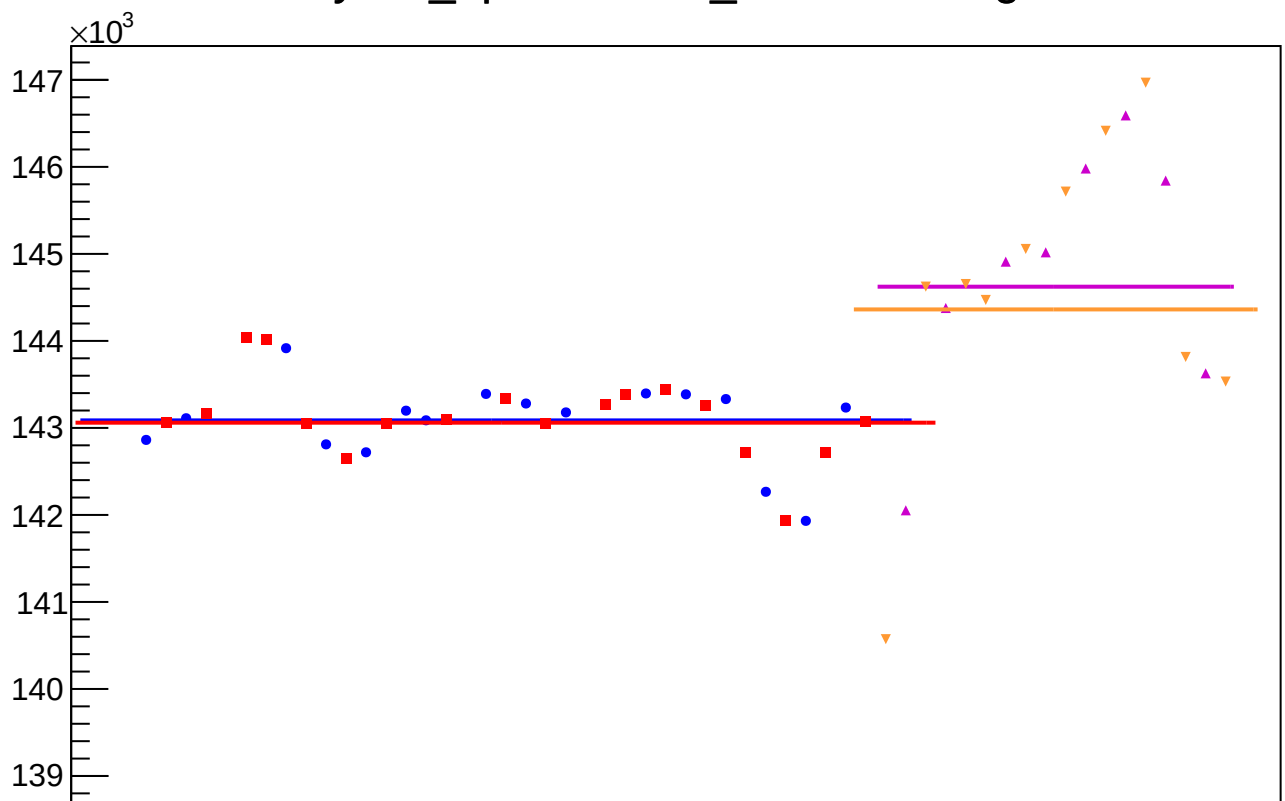
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 178.246+/-0.049 χ^2/NDF:266536.5/7

+ sign 163.581+/-0.031 χ^2/NDF: 1513724.1/25

All: 160.914+/-0.022 χ^2/NDF: 3341266.7/52

- sign 158.289+/-0.031 χ^2/NDF: 1813014.5/26



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144361.892+/-0.075 χ^2/NDF:561576539.4/9

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

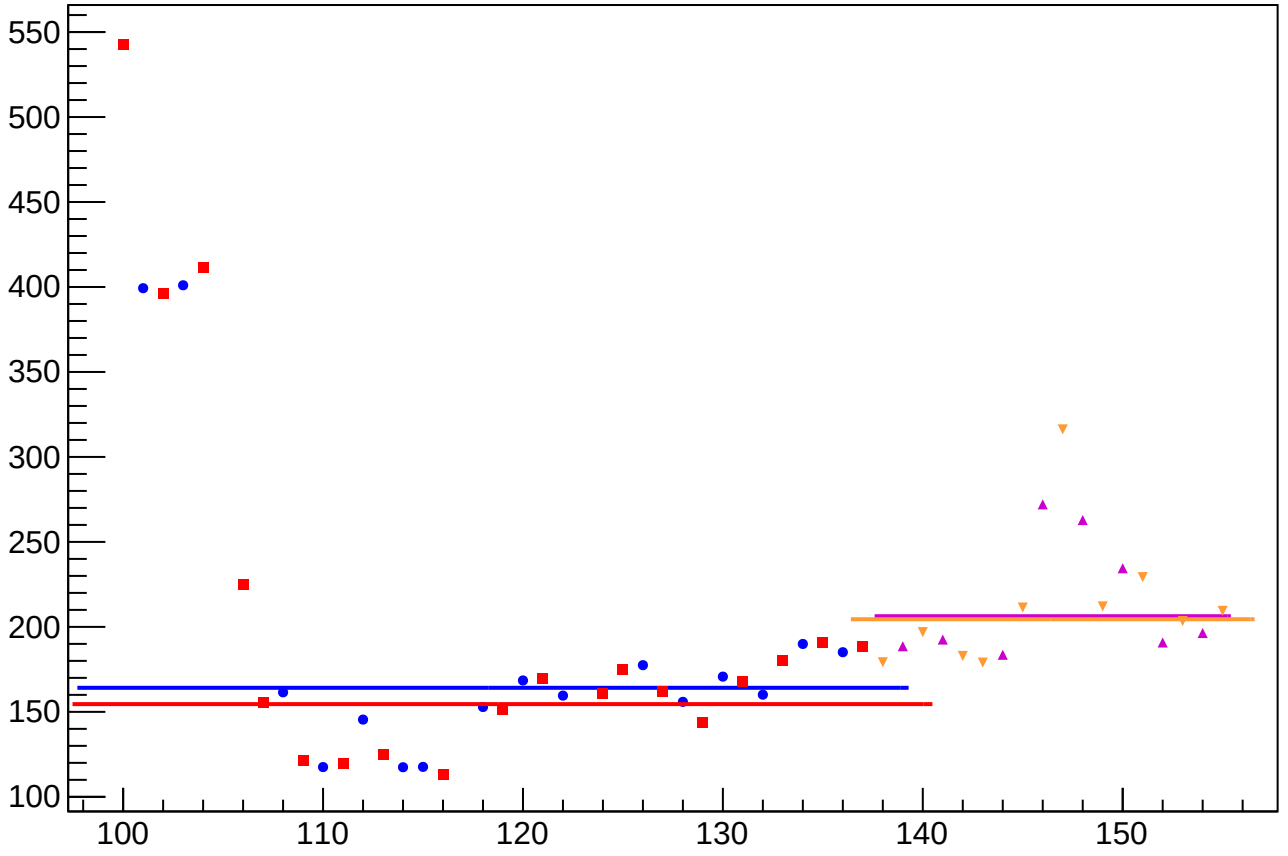
Left In: 144623.119+/-0.080 χ^2/NDF:300498571.0/7

+ sign 143634.227+/-0.049 χ^2/NDF: 773230927.8/2

All: 143633.920+/-0.034 χ^2/NDF: 13690037

- sign 143633.624+/-0.048 χ^2/NDF: 595772708.5/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 204.493+/-0.053 χ^2/NDF:304314.6/9

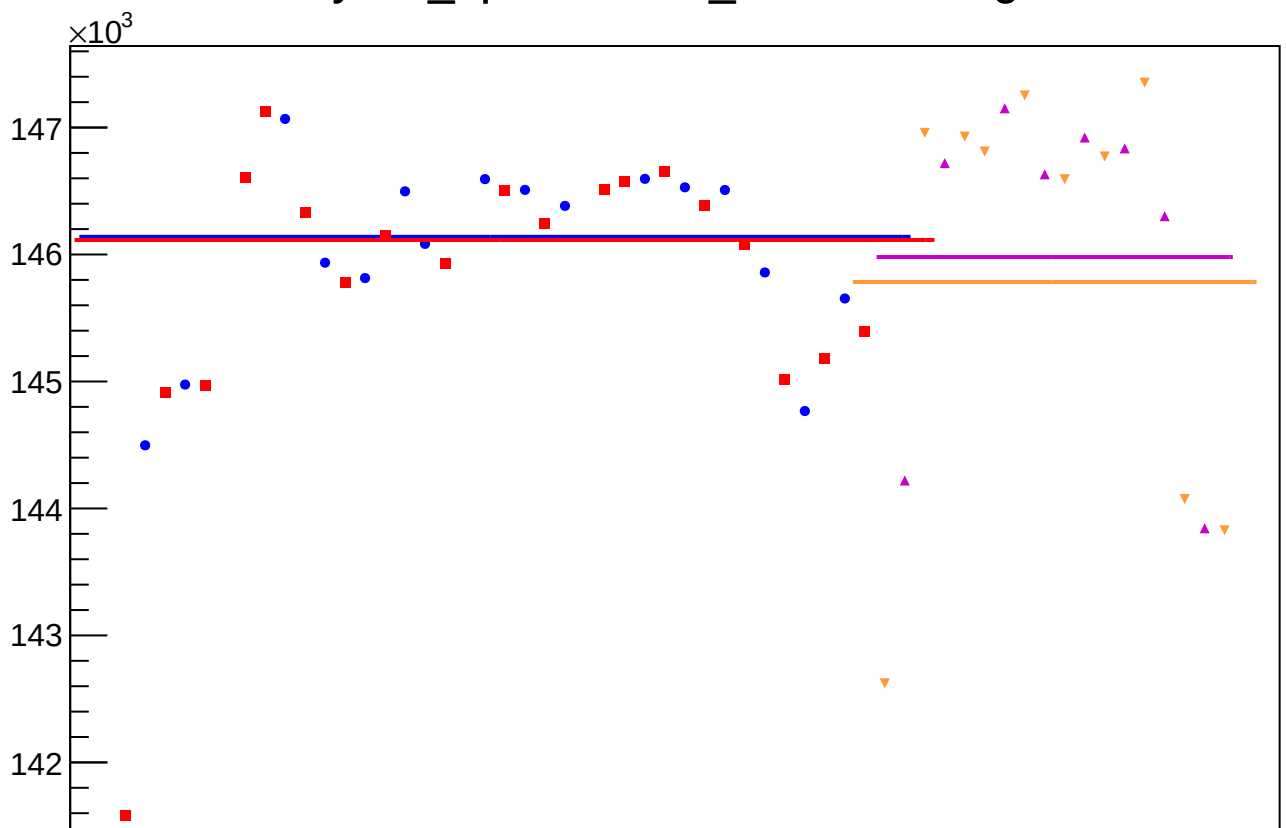
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.280+/-0.056 χ^2/NDF:268491.3/7

+ sign 181.485+/-0.035 χ^2/NDF: 1763837.7/25

All: 177.436+/-0.024 χ^2/NDF: 3959336.9/52

- sign 173.533+/-0.034 χ^2/NDF: 2168849.7/26



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145783.862+/-0.074 χ^2/NDF:535815622.7/9

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

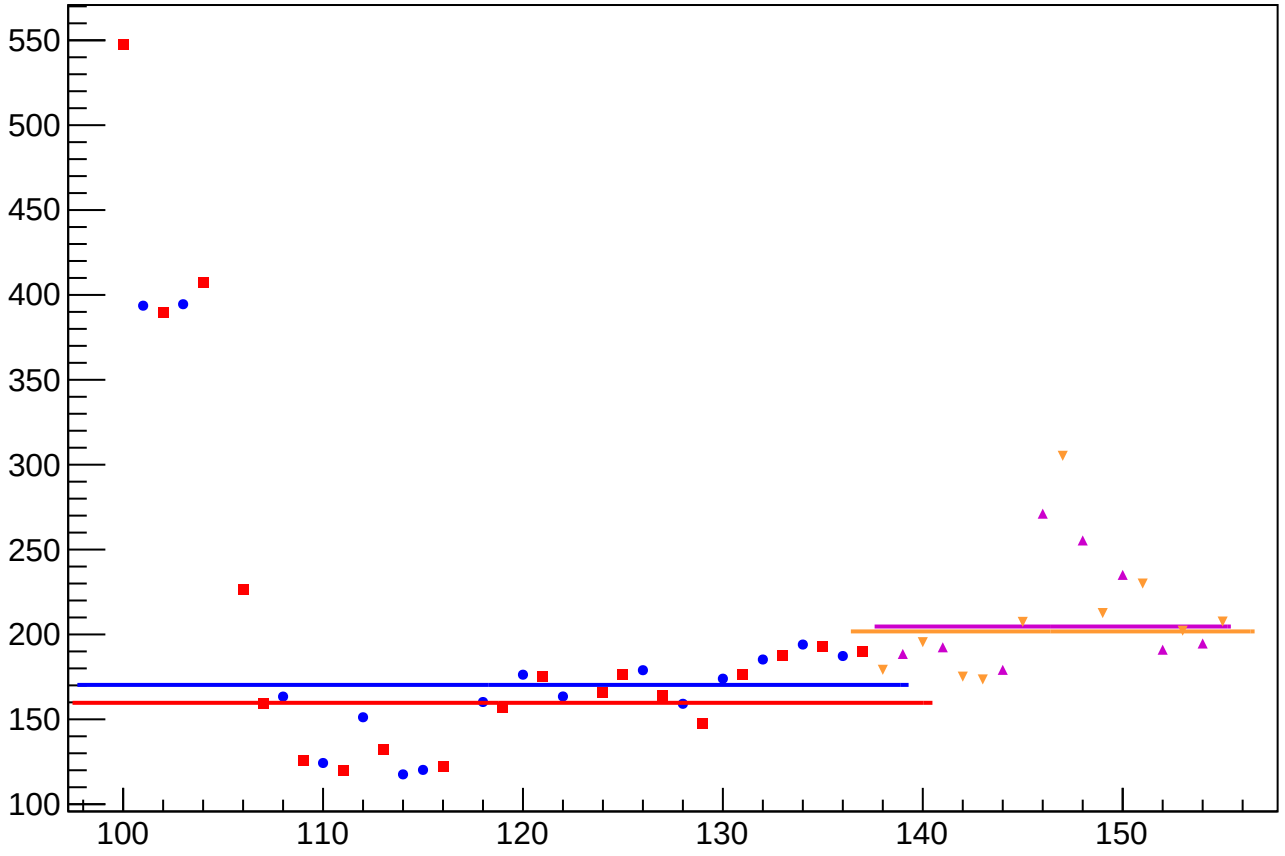
Left In: 145980.212+/-0.079 χ^2/NDF:256448181.9/7

+ sign 145977.999+/-0.050 χ^2/NDF: 620154059.5/2

All: 146021.107+/-0.035 χ^2/NDF: 95295303

- sign 146062.868+/-0.049 χ^2/NDF: 331324389.5/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 201.785+/-0.052 χ^2/NDF:306593.3/9

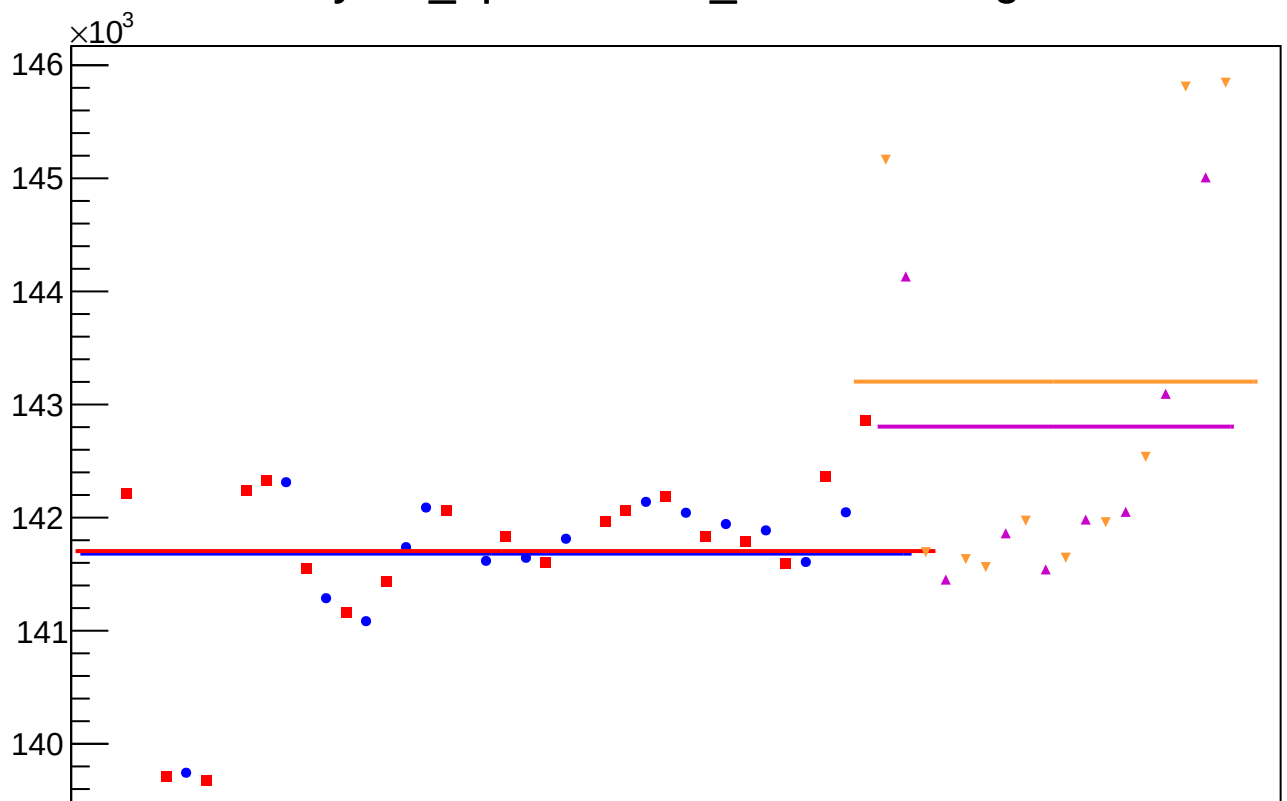
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 204.668+/-0.056 χ^2/NDF:265806.0/7

+ sign 184.574+/-0.035 χ^2/NDF: 1562556.4/25

All: 180.725+/-0.025 χ^2/NDF: 3540875.4/52

- sign 176.996+/-0.035 χ^2/NDF: 1954808.2/26



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143202.648+/-0.079 χ^2/NDF:516960432.2/9

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

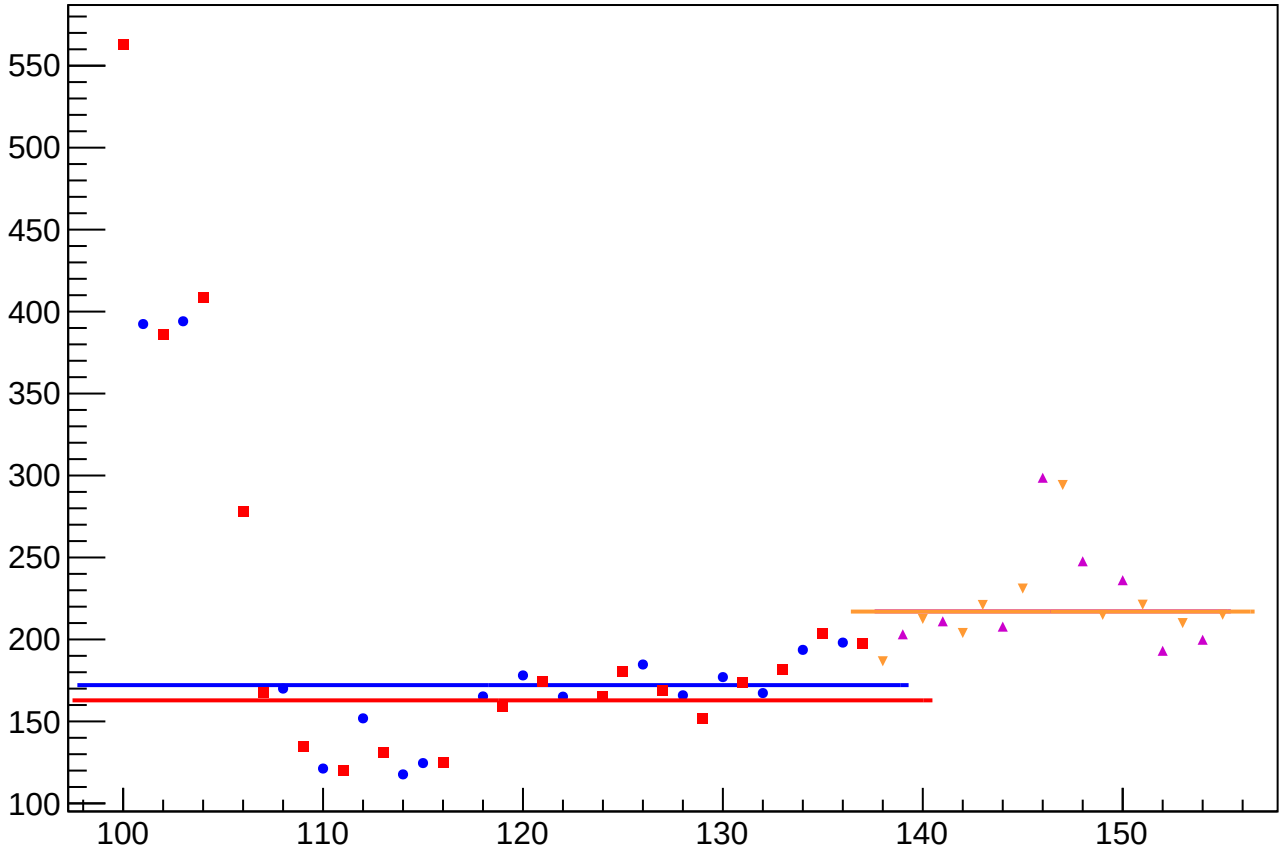
Left In: 142804.557+/-0.084 χ^2/NDF:228310166.8/7

+ sign 142332.276+/-0.052 χ^2/NDF: 793487820.1/2

All: 142218.241+/-0.036 χ^2/NDF: 12061282

- sign 142108.128+/-0.051 χ^2/NDF: 403057830.4/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 217.006+/-0.056 χ^2/NDF:166519.8/9

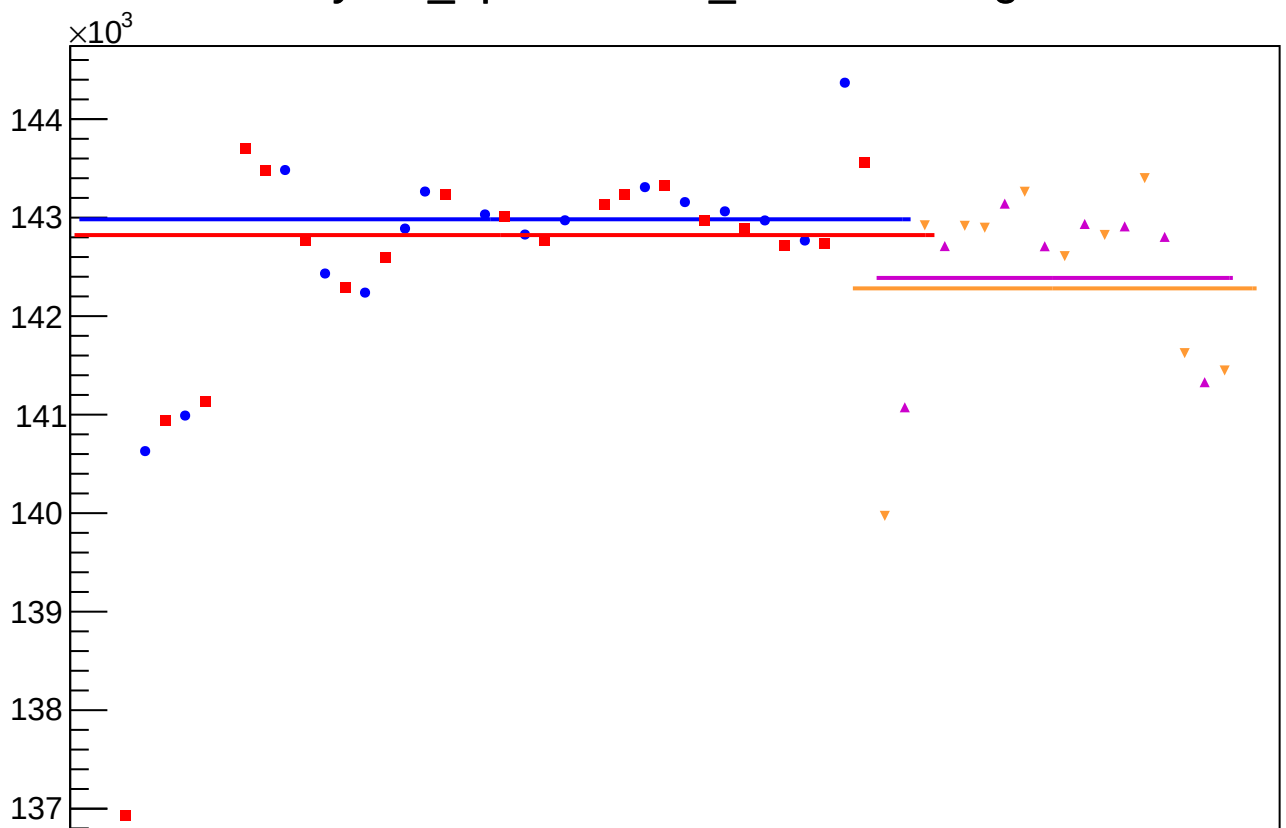
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 217.116+/-0.059 χ^2/NDF:217012.5/7

+ sign 191.328+/-0.037 χ^2/NDF: 1604554.0/25

All: 186.973+/-0.026 χ^2/NDF: 3686743.3/52

- sign 182.767+/-0.036 χ^2/NDF: 2054235.4/26



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142281.720+/-0.073 χ^2/NDF:227411898.6/9

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

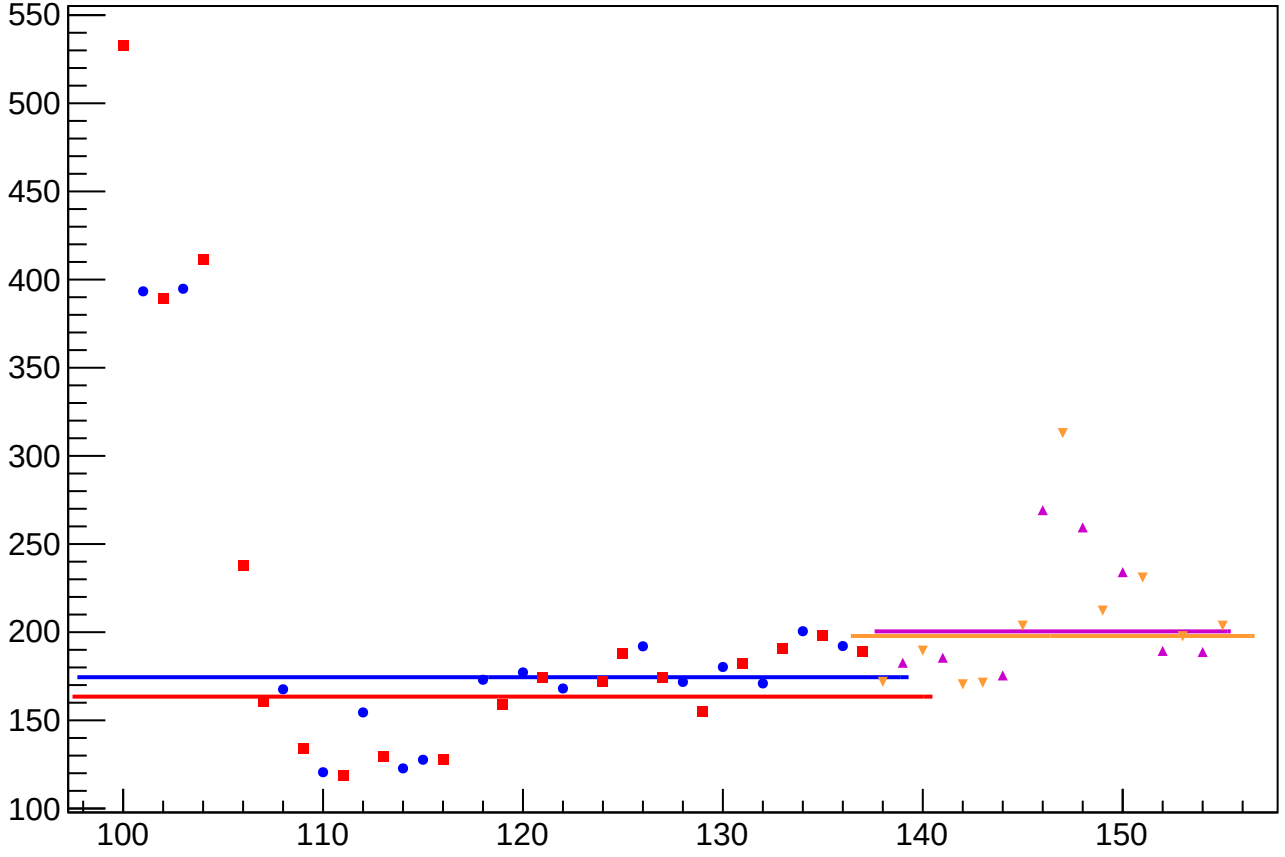
Left In: 142387.777+/-0.077 χ^2/NDF:102412942.7/7

+ sign 142649.384+/-0.050 χ^2/NDF: 384092939.6/2

All: 142647.798+/-0.035 χ^2/NDF: 56880973

- sign 142646.254+/-0.049 χ^2/NDF: 184714812.0/2

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 197.823+/-0.051 χ^2/NDF:363035.1/9

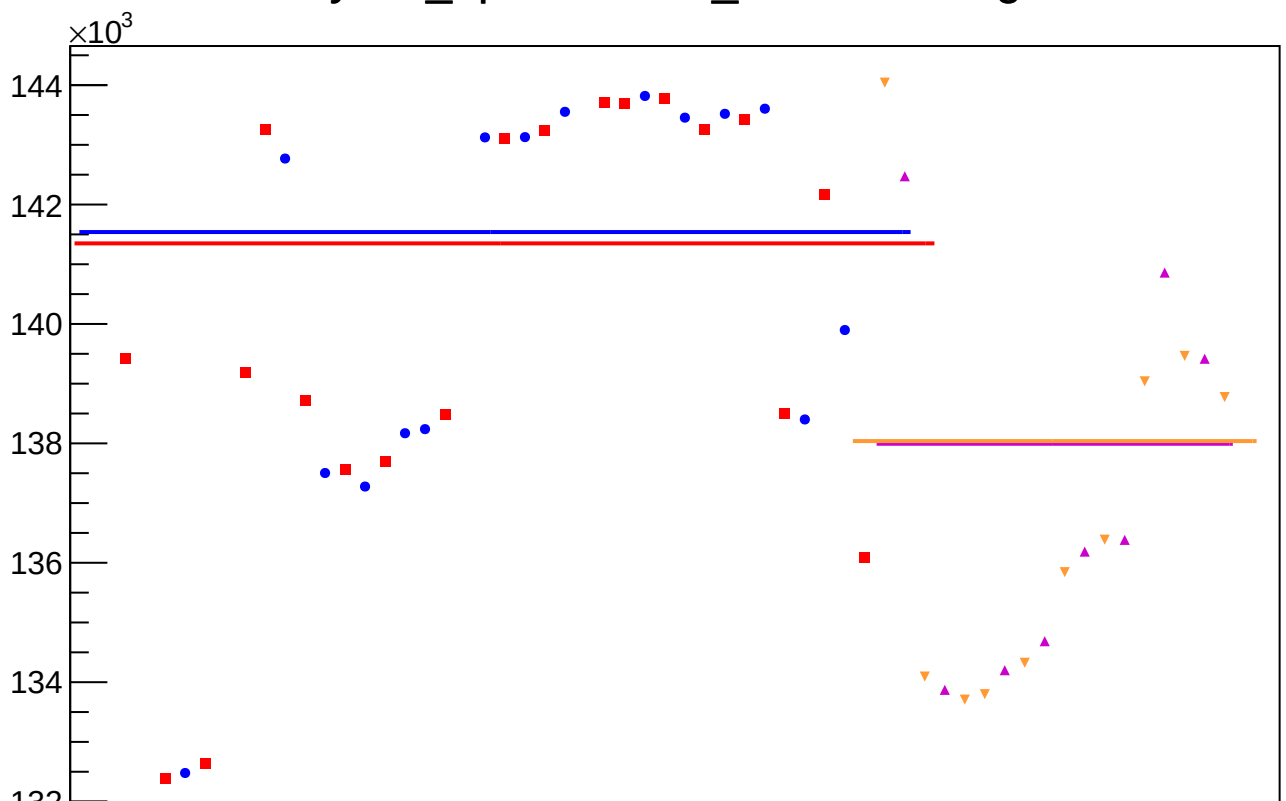
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.462+/-0.055 χ^2/NDF:308832.8/7

+ sign 185.578+/-0.035 χ^2/NDF: 1520831.2/25

All: 181.974+/-0.025 χ^2/NDF: 3403783.5/52

- sign 178.466+/-0.035 χ^2/NDF: 1862476.1/26



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138038.383+/-0.114 χ^2/NDF:1101534683.8/9

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

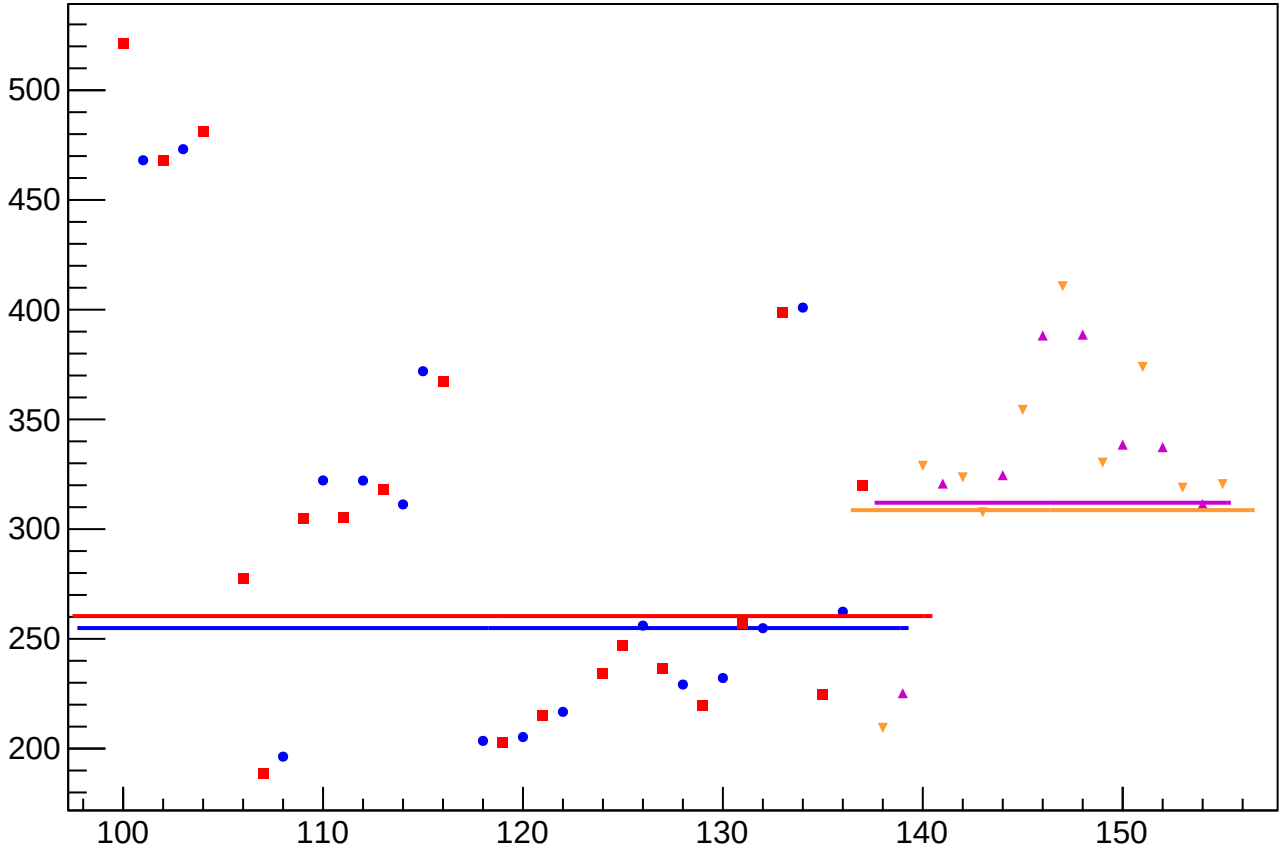
Left In: 137993.524+/-0.122 χ^2/NDF:752584860.2/7

+ sign 140008.334+/-0.076 χ^2/NDF: 2576754845.9

All: 139997.055+/-0.054 χ^2/NDF: 47044267

- sign 139985.102+/-0.078 χ^2/NDF: 2127626122.0/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 308.647+/-0.081 χ^2/NDF:531779.1/9

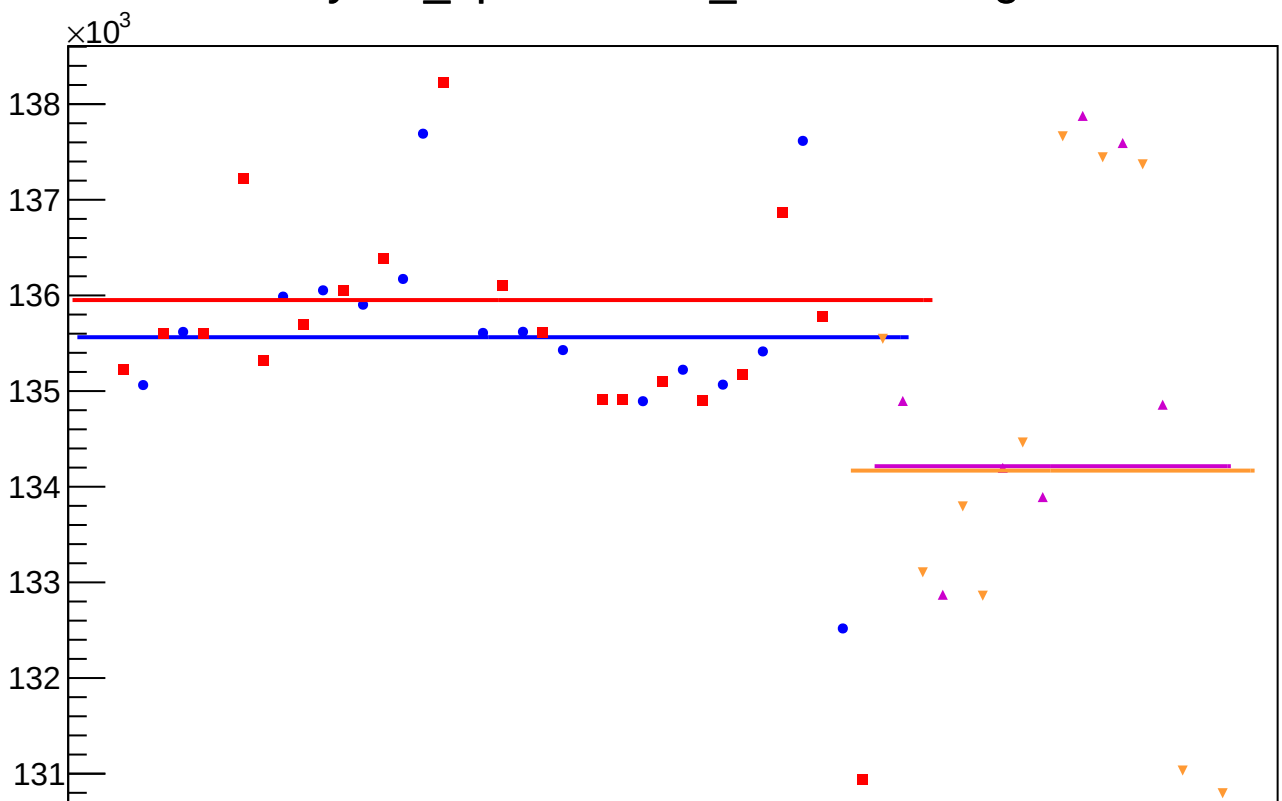
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 312.037+/-0.086 χ^2/NDF:390848.8/7

+ sign 278.416+/-0.053 χ^2/NDF: 1730172.9/25

All: 279.852+/-0.038 χ^2/NDF: 3328371.3/52

- sign 281.375+/-0.055 χ^2/NDF: 1596711.9/26



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134168.705+/-0.088 χ^2/NDF:479416983.6/9

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

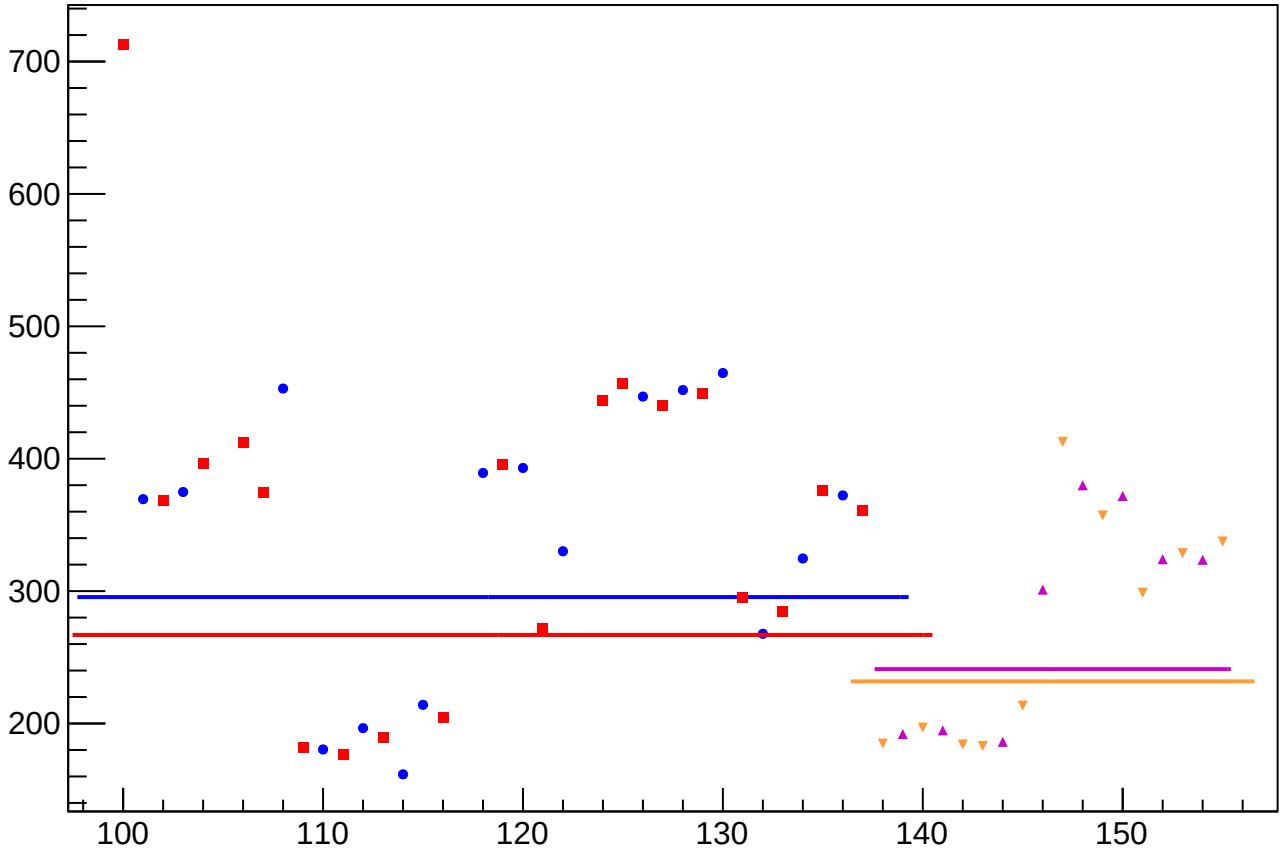
Left In: 134214.501+/-0.096 χ^2/NDF:315917437.0/7

+ sign 134665.505+/-0.071 χ^2/NDF: 662931406.8/2

All: 134829.870+/-0.050 χ^2/NDF: 12278130

- sign 134997.871+/-0.071 χ^2/NDF: 553935705.4/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 231.789+/-0.062 χ^2/NDF:1220746.1/9

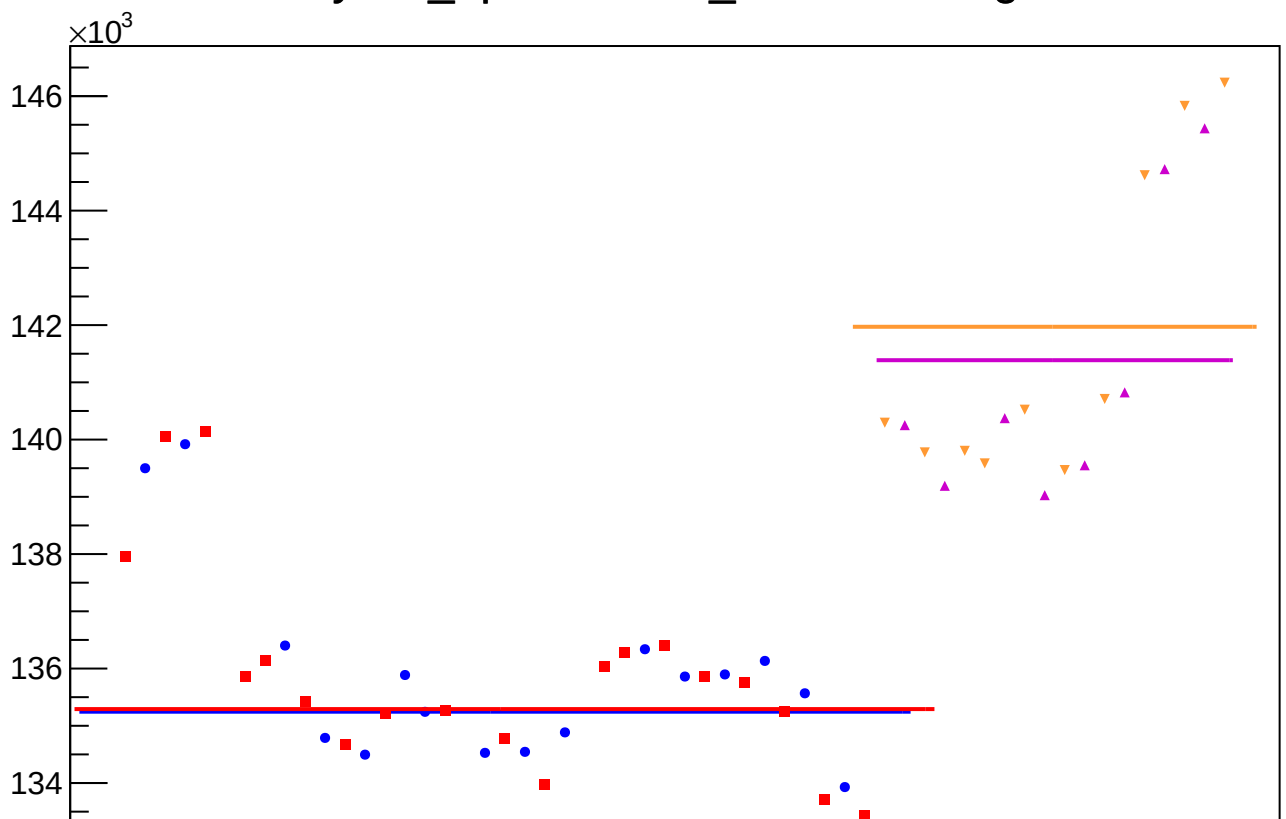
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 241.071+/-0.068 χ^2/NDF:1086075.6/7

+ sign 254.482+/-0.050 χ^2/NDF: 3036126.8/25

All: 253.602+/-0.036 χ^2/NDF: 5865484.6/52

- sign 252.703+/-0.051 χ^2/NDF: 2828730.9/26



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 141970.737+/-0.069 χ^2/NDF:1550885540.3/9

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

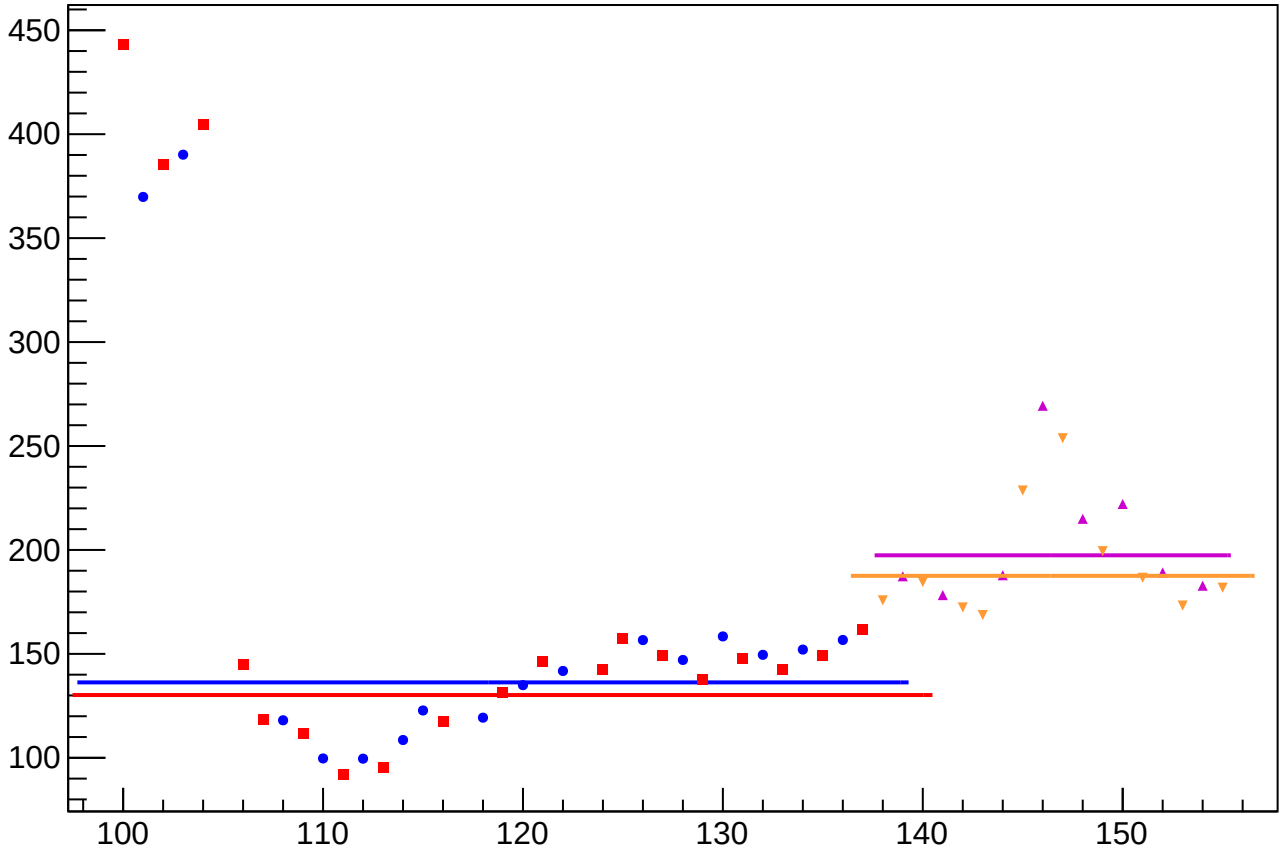
Left In: 141386.900+/-0.076 χ^2/NDF:997727305.5/7

+ sign 137860.063+/-0.043 χ^2/NDF: 7808870191.7

All: 137536.589+/-0.030 χ^2/NDF: 13674007

- sign 137212.472+/-0.043 χ^2/NDF: 5750701148.8/

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 187.551+/-0.049 χ^2/NDF:208609.3/9

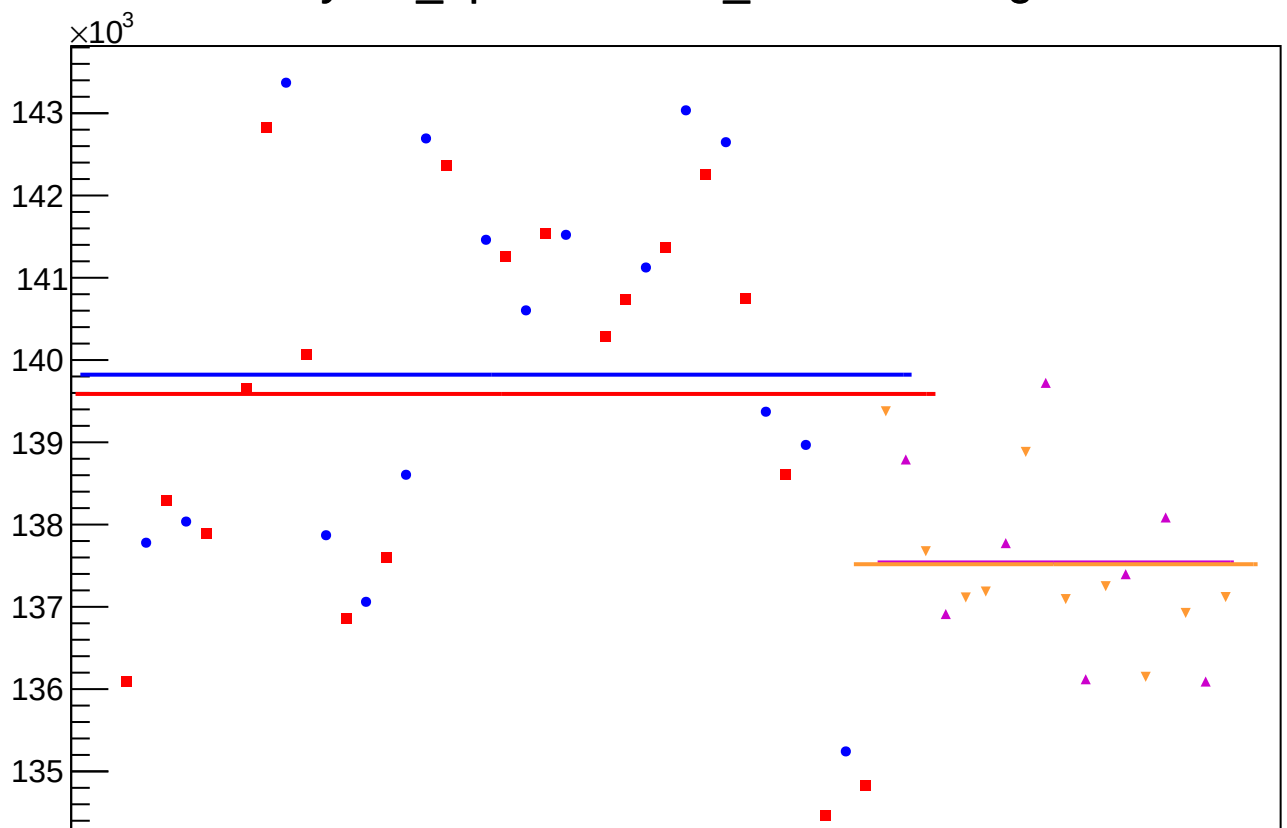
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 197.421+/-0.054 χ^2/NDF:195661.2/7

+ sign 156.212+/-0.030 χ^2/NDF: 2274988.0/25

All: 153.802+/-0.021 χ^2/NDF: 5067391.4/52

- sign 151.386+/-0.030 χ^2/NDF: 2779692.4/26



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137518.069+/-0.070 χ^2/NDF:178984909.3/9

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

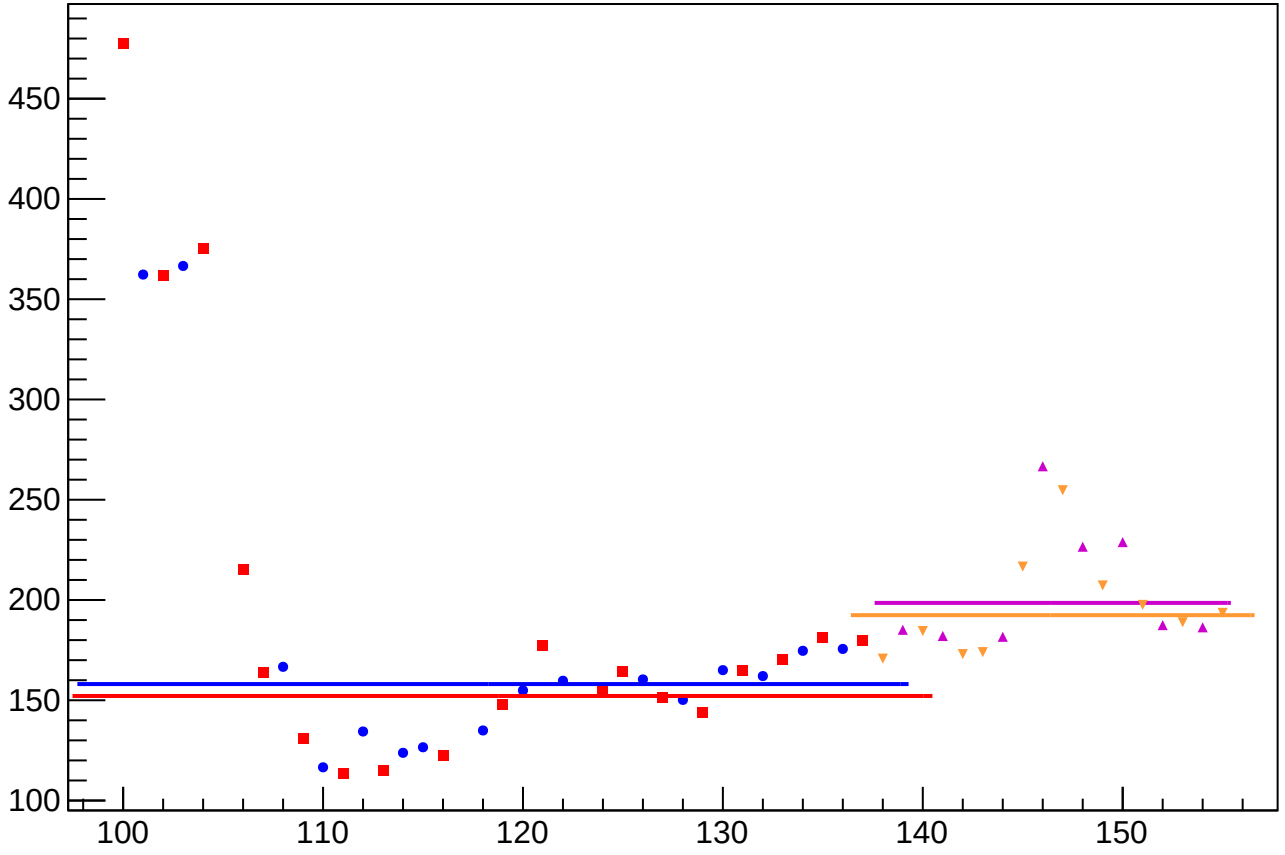
Left In: 137539.703+/-0.077 χ^2/NDF:197875466.7/7

+ sign 138806.021+/-0.047 χ^2/NDF: 2439945058.6

All: 138811.568+/-0.033 χ^2/NDF: 45632740

- sign 138817.203+/-0.047 χ^2/NDF: 2123300623.0/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 192.440+/-0.050 χ^2/NDF:181291.3/9

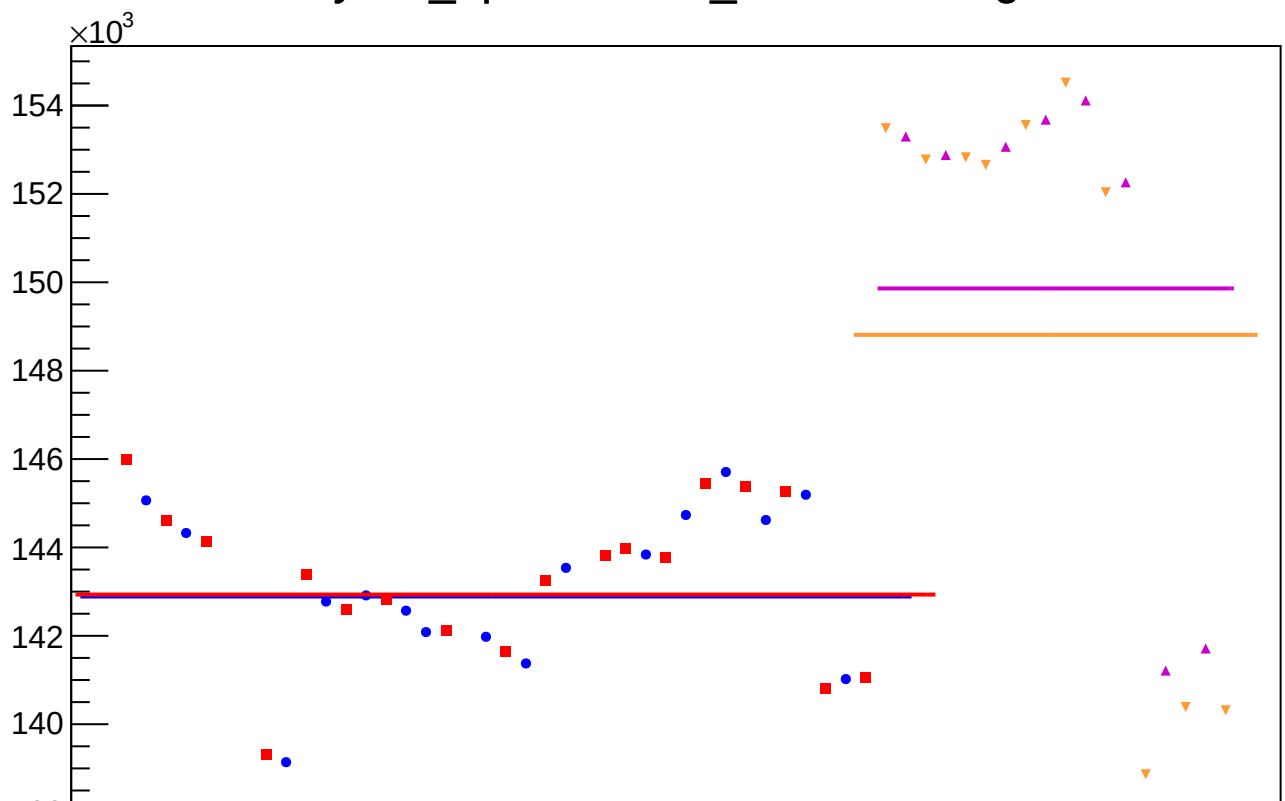
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 198.558+/-0.054 χ^2/NDF:218922.8/7

+ sign 173.233+/-0.033 χ^2/NDF: 1465026.1/25

All: 171.433+/-0.023 χ^2/NDF: 3373530.7/52

- sign 169.605+/-0.033 χ^2/NDF: 1902544.3/26



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 148811.219+/-0.071 χ^2/NDF:7585002467.4/9

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

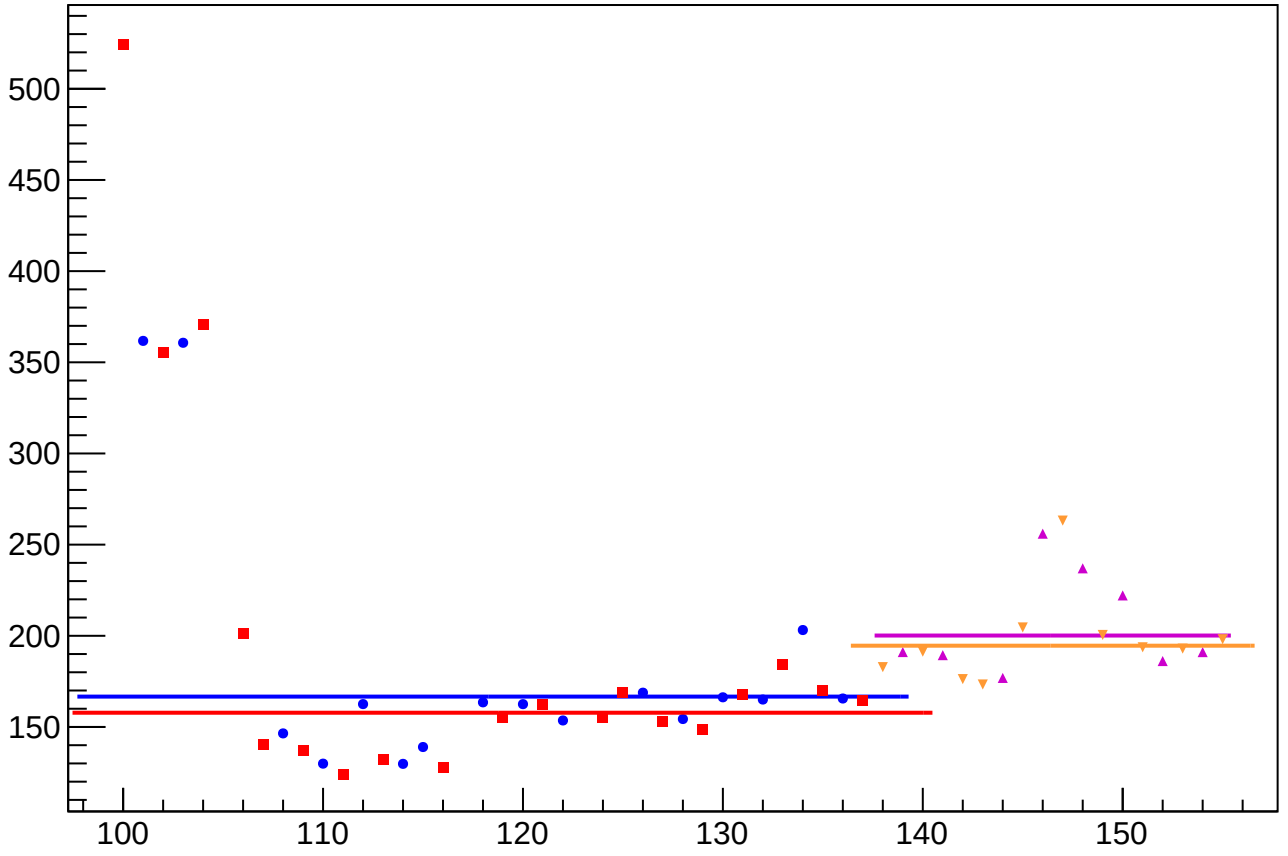
Left In: 149860.959+/-0.077 χ^2/NDF:4669539054.5/7

+ sign 145619.491+/-0.048 χ^2/NDF: 12095500126.

All: 145622.825+/-0.034 χ^2/NDF: 224773222

- sign 145626.144+/-0.048 χ^2/NDF: 10381812561.8

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 194.575+/-0.050 χ^2/NDF:156274.6/9

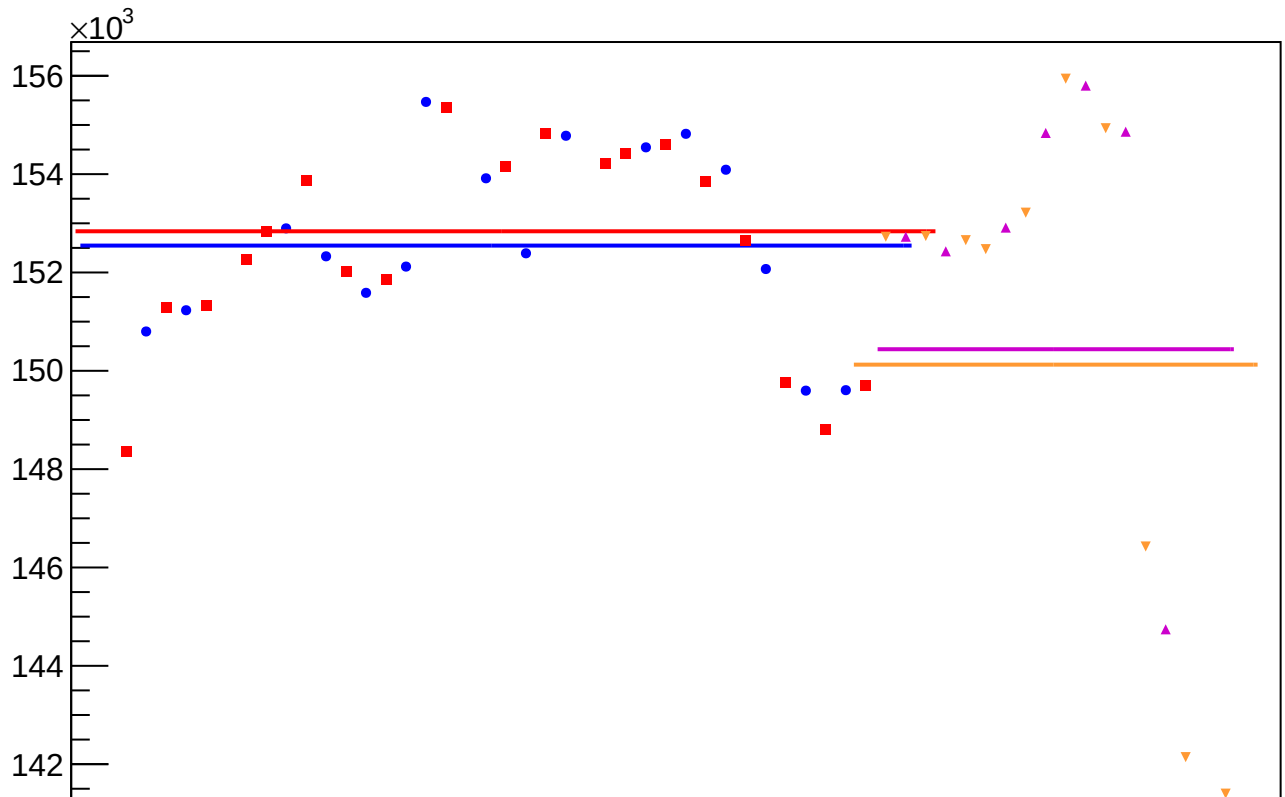
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 200.145+/-0.055 χ^2/NDF:192252.8/7

+ sign 179.528+/-0.034 χ^2/NDF: 1186424.7/25

All: 176.890+/-0.024 χ^2/NDF: 2780876.5/52

- sign 174.263+/-0.034 χ^2/NDF: 1582508.3/26



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 150125.550+/-0.071 χ^2/NDF:4712205437.7/9

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

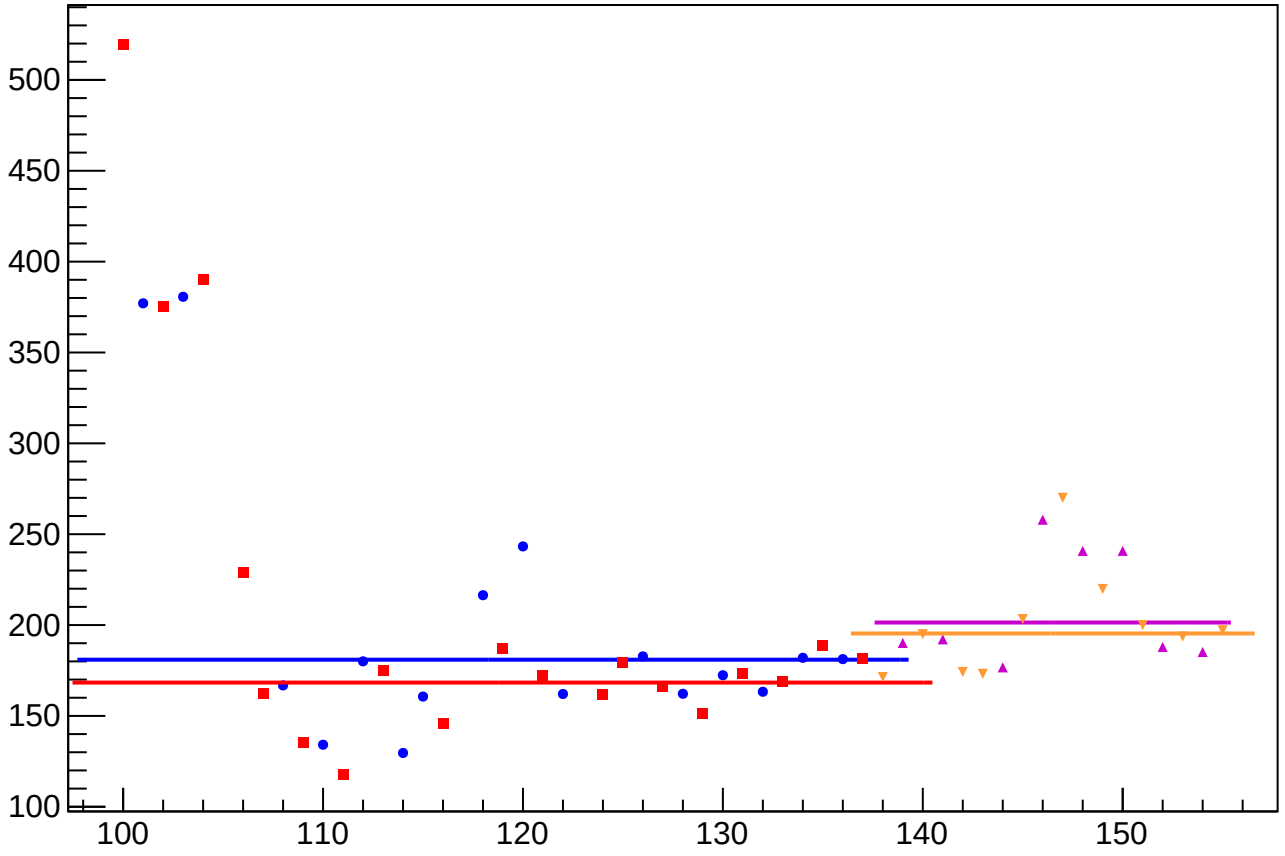
Left In: 150439.130+/-0.078 χ^2/NDF:4323777072.4/7

+ sign 151312.511+/-0.051 χ^2/NDF: 5933576373.2/

All: 151567.340+/-0.036 χ^2/NDF: 11594035

- sign 151819.414+/-0.051 χ^2/NDF: 5610485883.4/

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.366+/-0.050 χ^2/NDF:217396.7/9

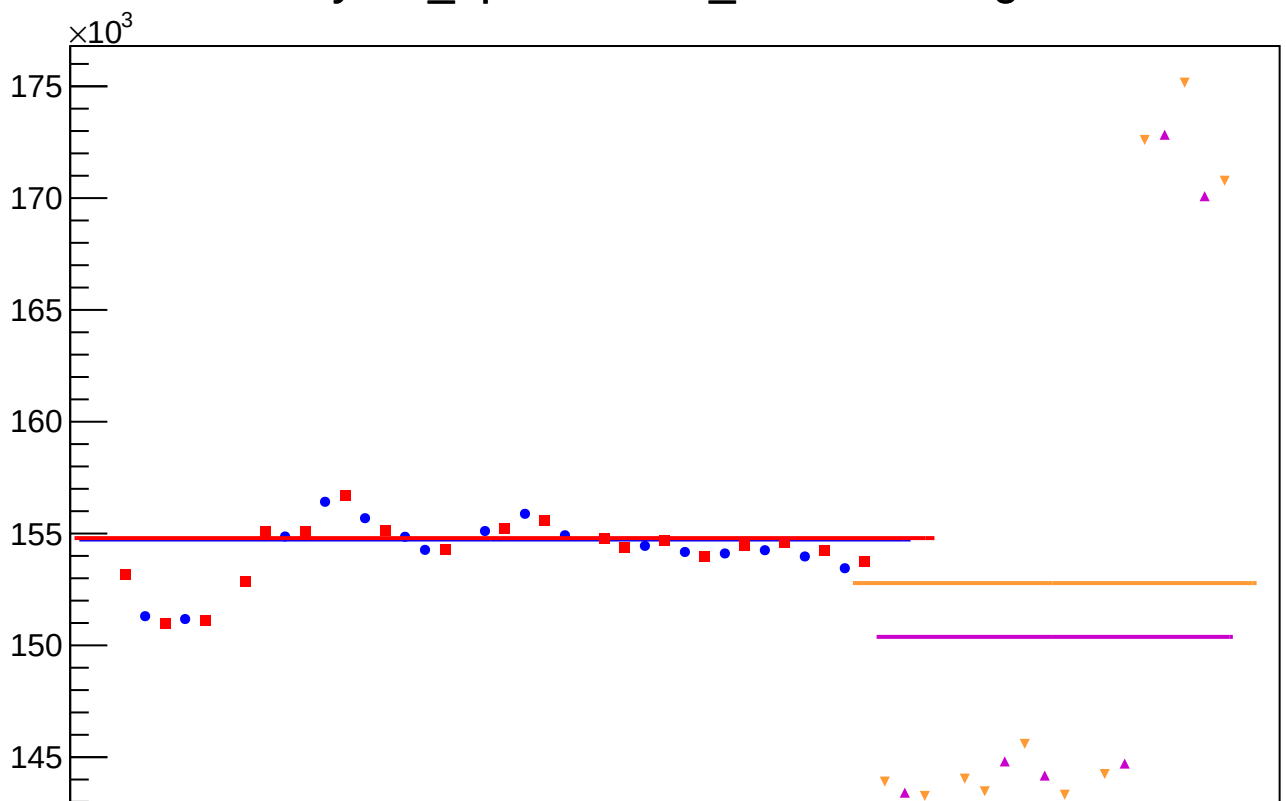
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 201.393+/-0.055 χ^2/NDF:241222.0/7

+ sign 188.294+/-0.036 χ^2/NDF: 1165404.3/25

All: 185.320+/-0.025 χ^2/NDF: 2717983.0/52

- sign 182.379+/-0.036 χ^2/NDF: 1538971.1/26



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 152784.740+/-0.065 χ^2/NDF:42616932100.179

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

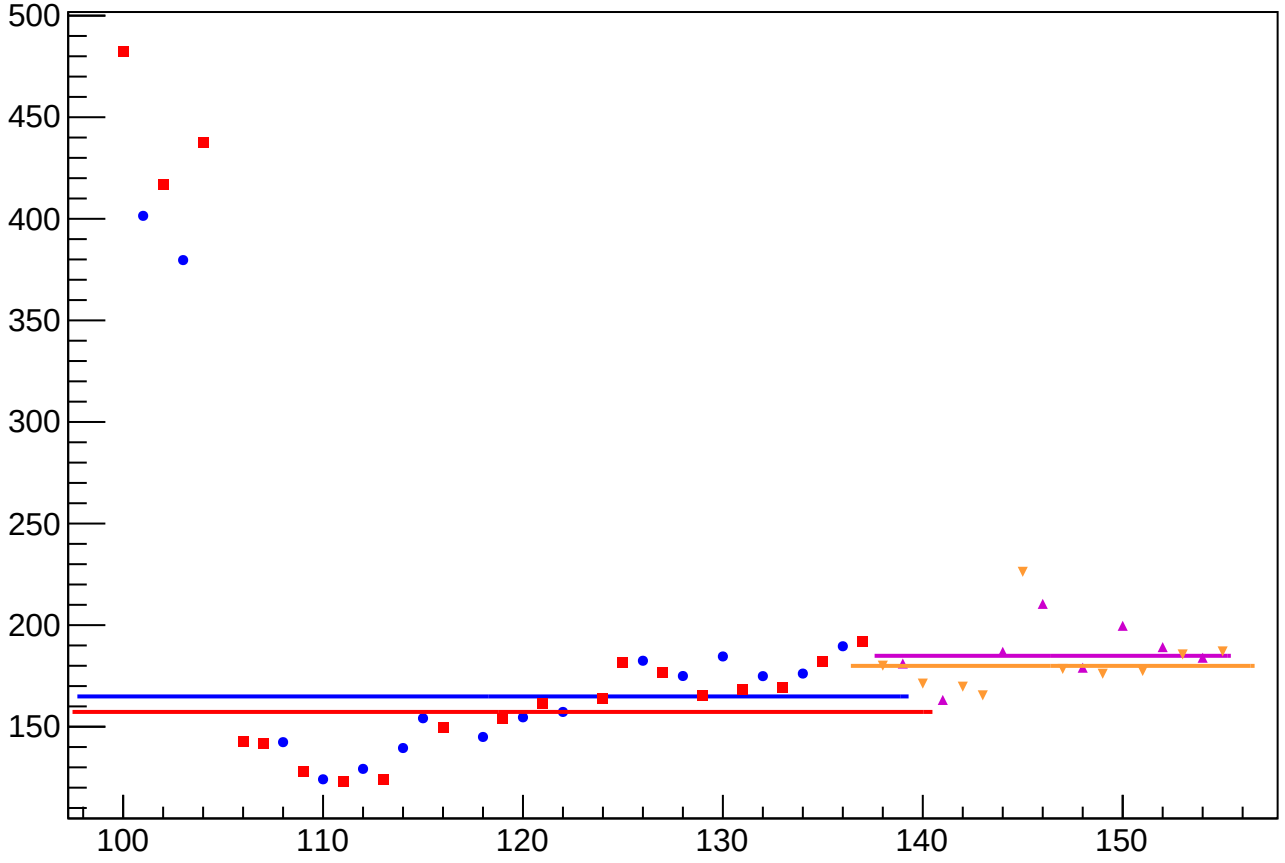
Left In: 150379.508+/-0.071 χ^2/NDF:29030510094.4/7

+ sign 153757.579+/-0.046 χ^2/NDF: 43338604313.

All: 153331.996+/-0.033 χ^2/NDF: 75084444

- sign 152904.467+/-0.046 χ^2/NDF: 31574759579.8

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 179.948+/-0.046 χ^2/NDF:92133.5/9

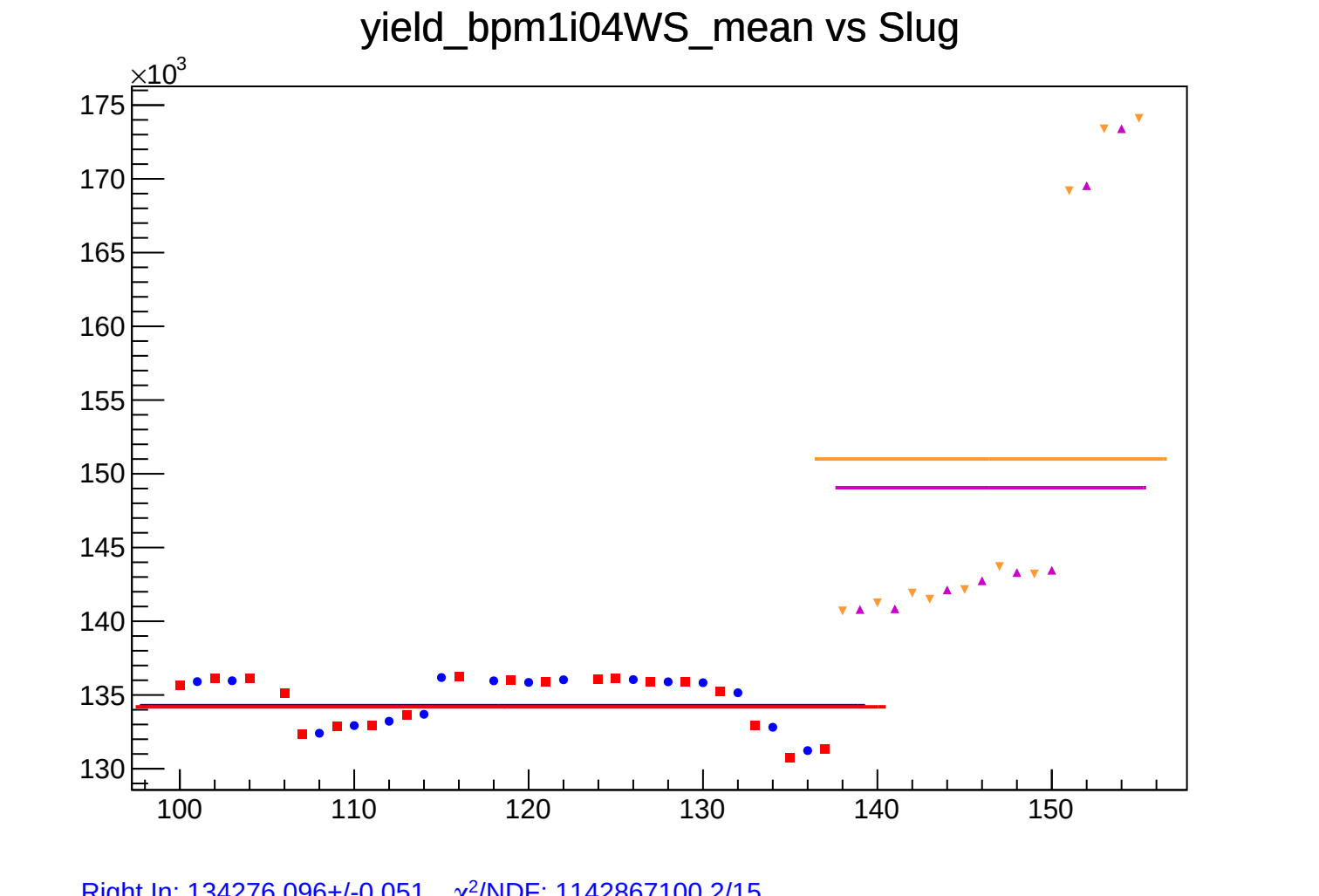
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 184.904+/-0.050 χ^2/NDF:70098.0/7

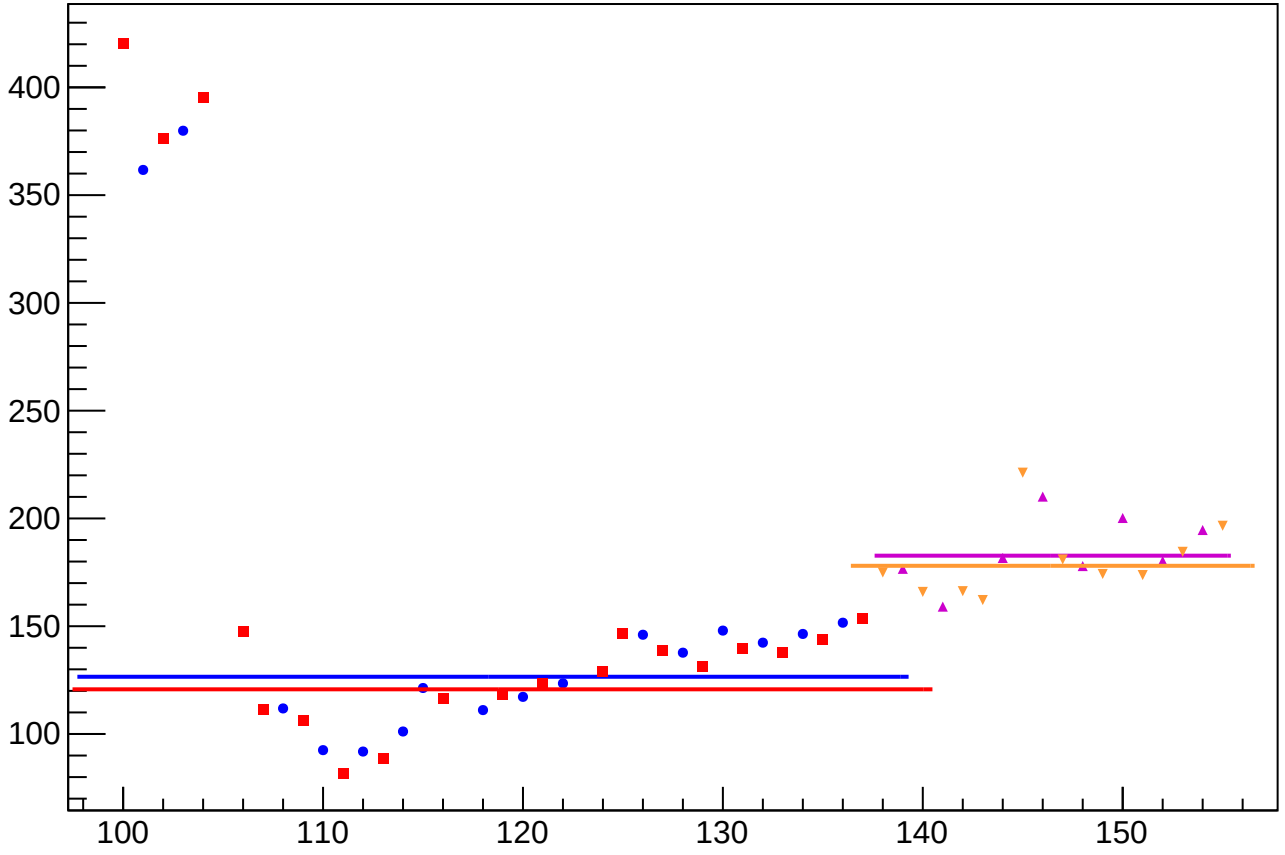
+ sign 172.438+/-0.033 χ^2/NDF: 1218167.6/25

All: 170.779+/-0.023 χ^2/NDF: 2723543.3/52

- sign 169.112+/-0.033 χ^2/NDF: 1500177.5/26


yield_bpm1i04WS_mean vs Slug
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 151005.372+/-0.065 χ²/NDF:45750028787.6/9
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 149057.610+/-0.070 χ²/NDF:32198305198.3/7
+ sign 140683.780+/-0.040 χ²/NDF: 88390005398.
All: 139811.840+/-0.028 χ²/NDF: 15348228
- sign 138956.036+/-0.040 χ²/NDF: 64147057879.

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 178.031+/-0.046 χ^2/NDF:108303.6/9

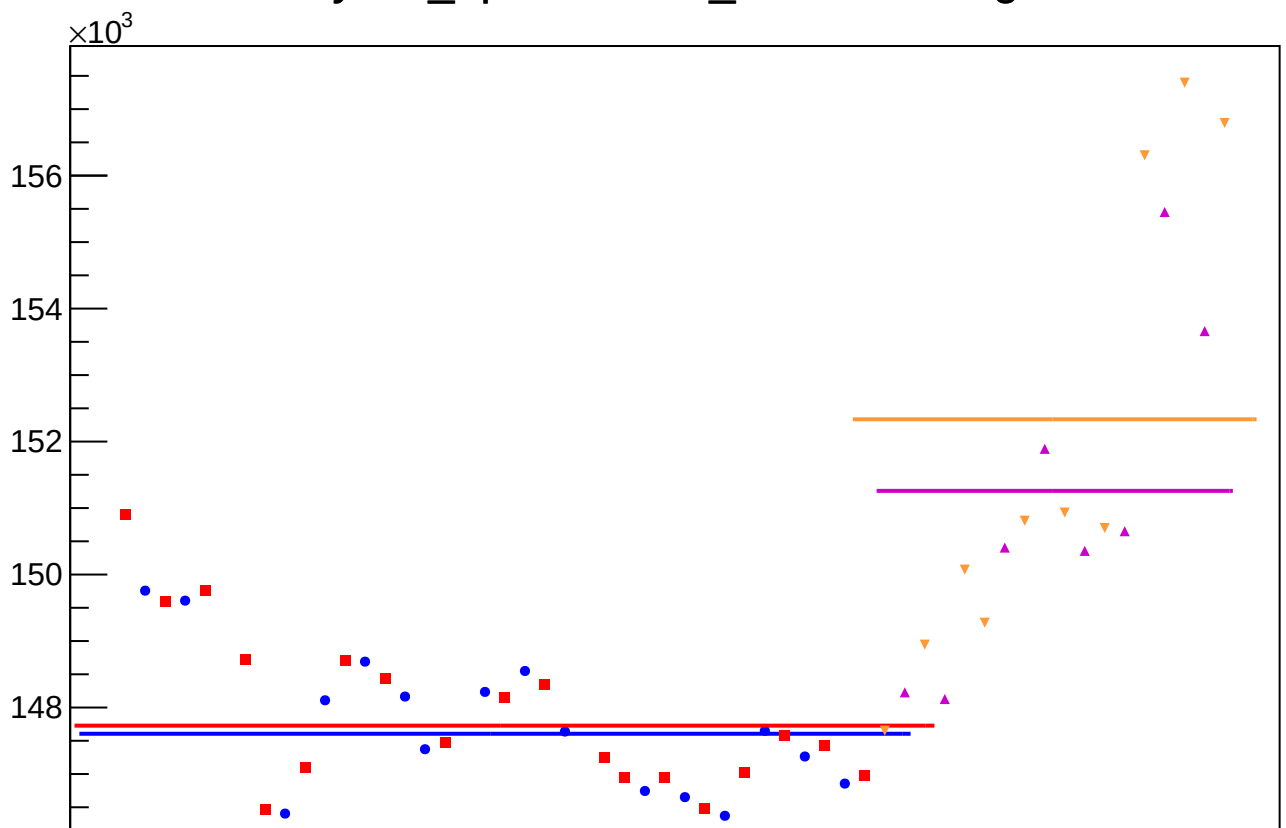
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 182.728+/-0.049 χ^2/NDF:91608.8/7

+ sign 146.269+/-0.028 χ^2/NDF: 2371645.8/25

All: 143.400+/-0.020 χ^2/NDF: 5186605.0/52

- sign 140.585+/-0.028 χ^2/NDF: 2794496.3/26



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 152335.101+/-0.075 χ^2/NDF:2375992316.1/9

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

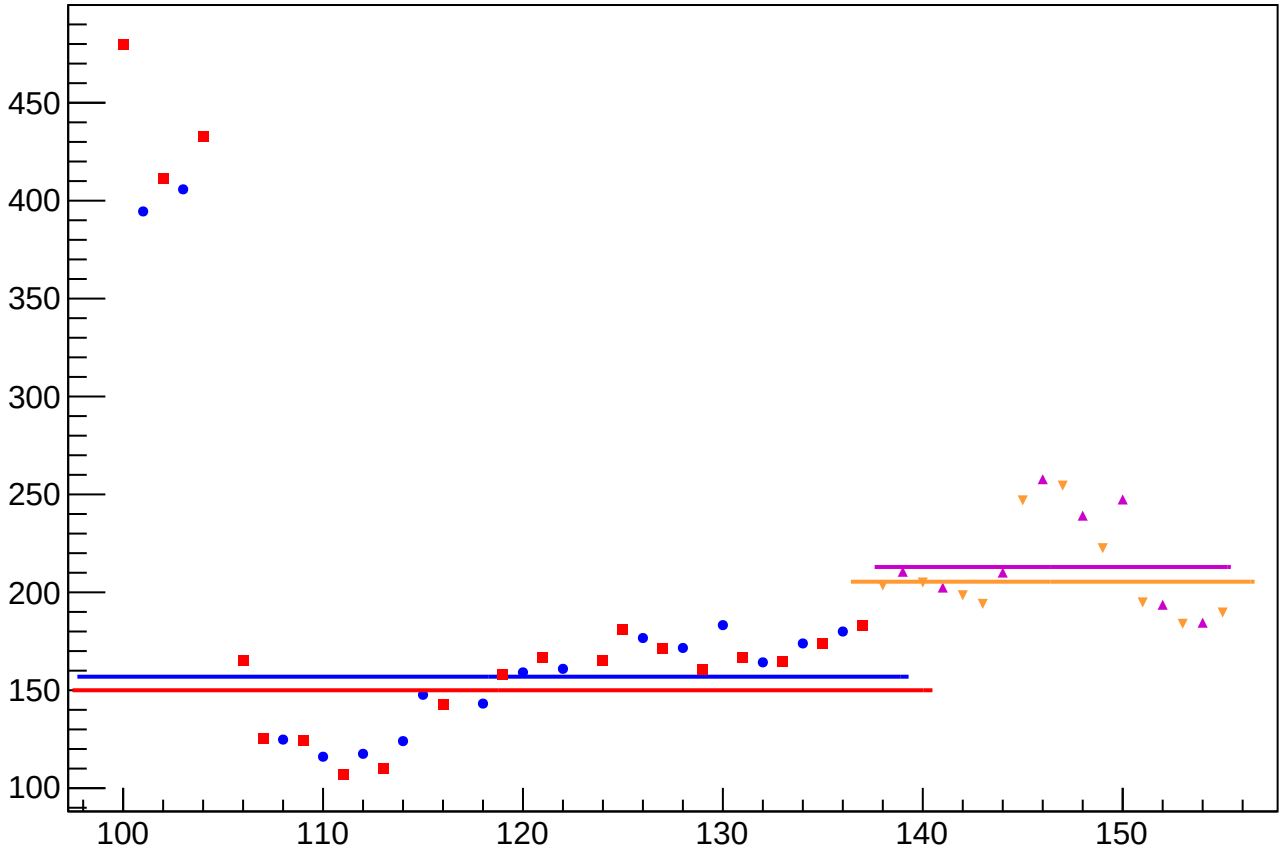
Left In: 151258.744+/-0.082 χ^2/NDF:959904934.6/7

+ sign 149557.664+/-0.048 χ^2/NDF: 4941924941.6

All: 149247.242+/-0.034 χ^2/NDF: 7411324

- sign 148938.129+/-0.048 χ^2/NDF: 2385494815.0/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 205.431+/-0.053 χ^2/NDF:160855.0/9

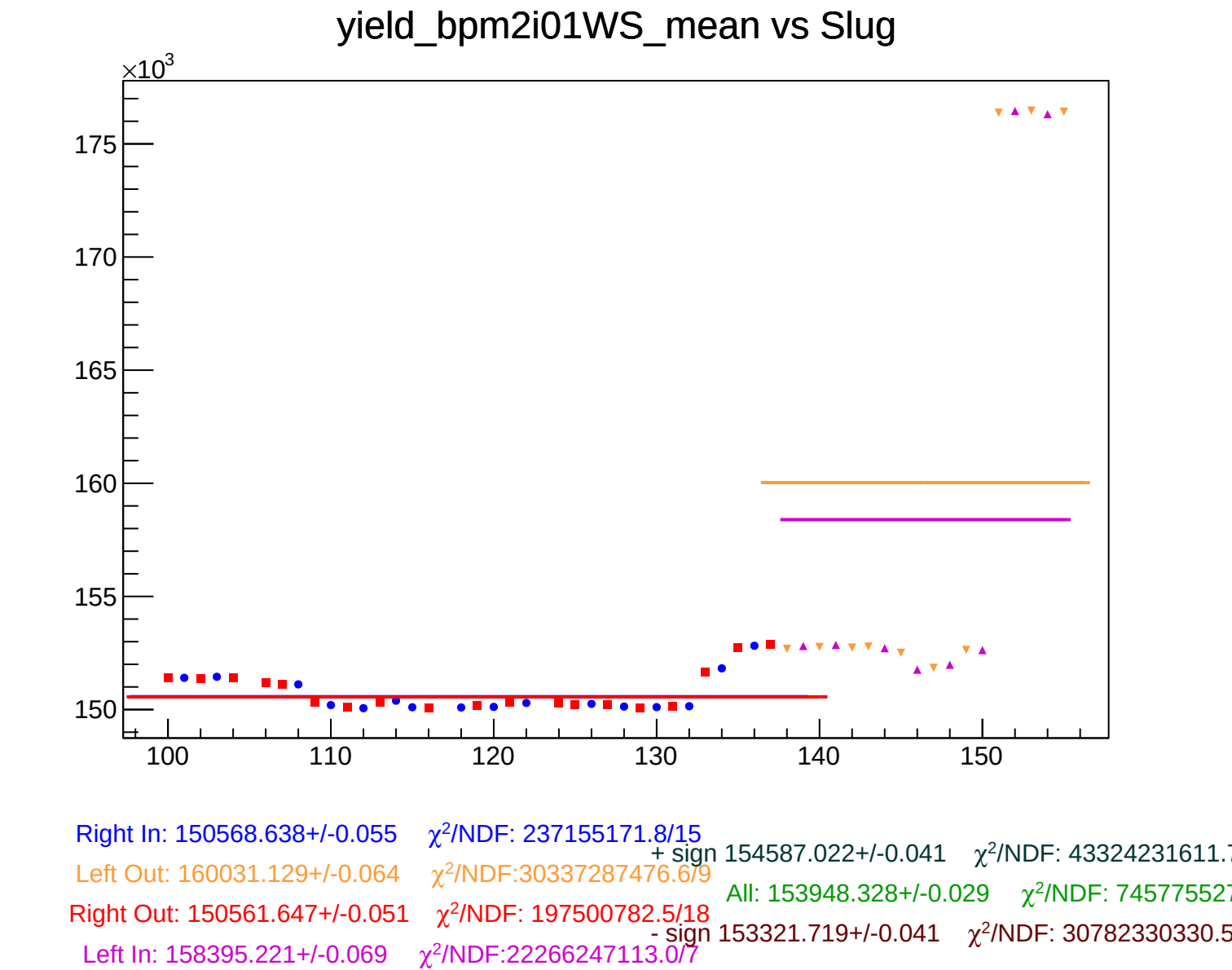
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 212.949+/-0.058 χ^2/NDF:170407.5/7

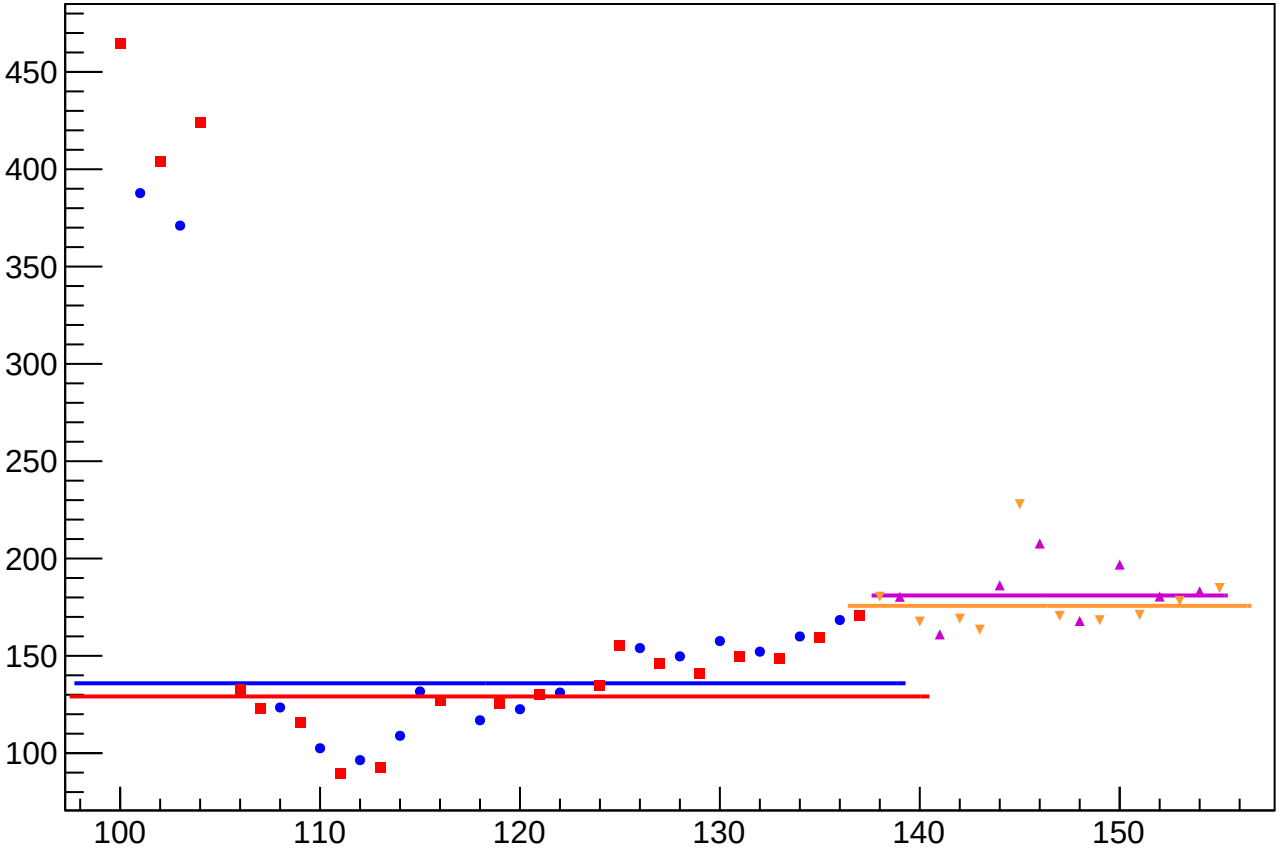
+ sign 176.947+/-0.034 χ^2/NDF: 1924209.7/25

All: 174.256+/-0.024 χ^2/NDF: 4343581.6/52

- sign 171.576+/-0.034 χ^2/NDF: 2406760.1/26


yield_bpm2i01WS_mean vs Slug
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 160031.129+/-0.064 χ²/NDF:30337287476.6/9
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 158395.221+/-0.069 χ²/NDF:22266247113.0/7
+ sign 154587.022+/-0.041 χ²/NDF: 4332423161
All: 153948.328+/-0.029 χ²/NDF: 7457755
- sign 153321.719+/-0.041 χ²/NDF: 30782330330.5

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 175.699+/-0.045 χ^2/NDF:109857.3/9

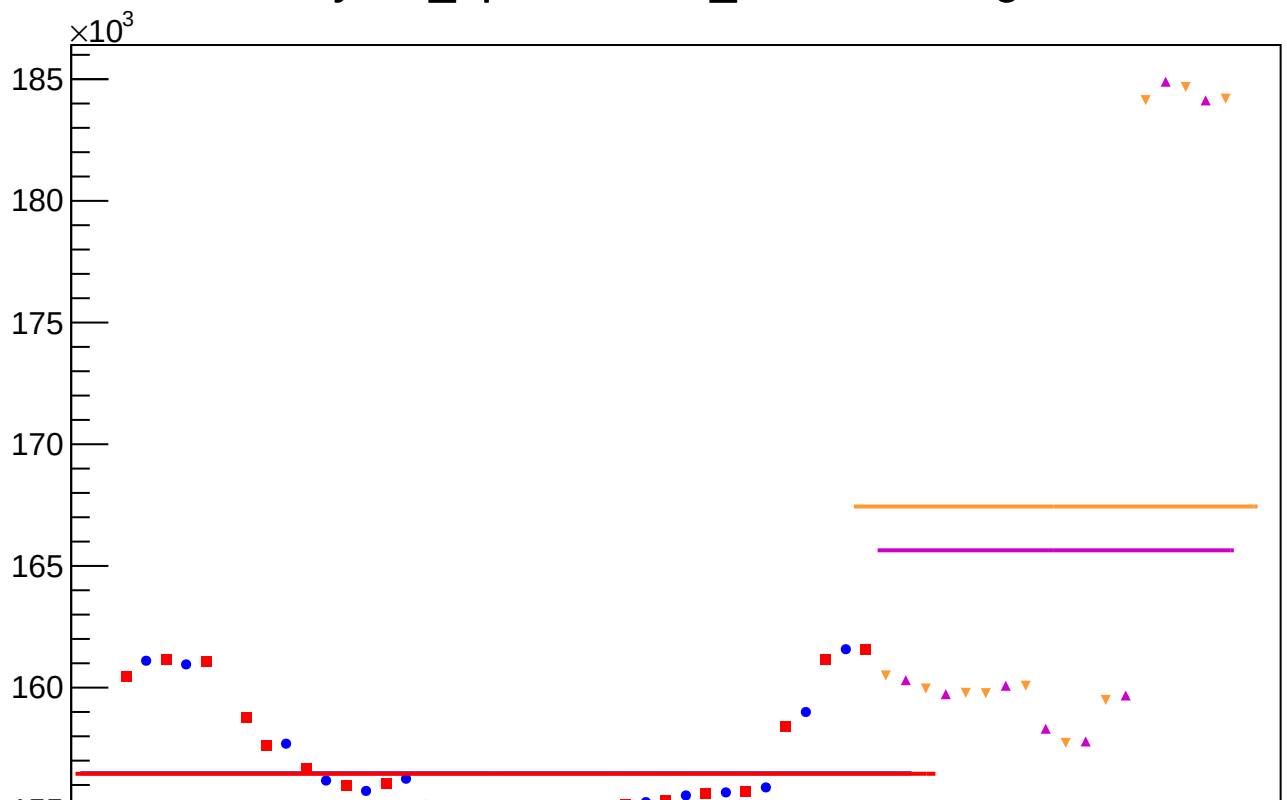
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.012+/-0.049 χ^2/NDF:78968.6/7

+ sign 152.799+/-0.029 χ^2/NDF: 1977360.9/25

All: 150.079+/-0.021 χ^2/NDF: 4417483.3/52

- sign 147.410+/-0.029 χ^2/NDF: 2423037.9/26



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 167442.363+/-0.066 χ^2/NDF:30785915356.5/9

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

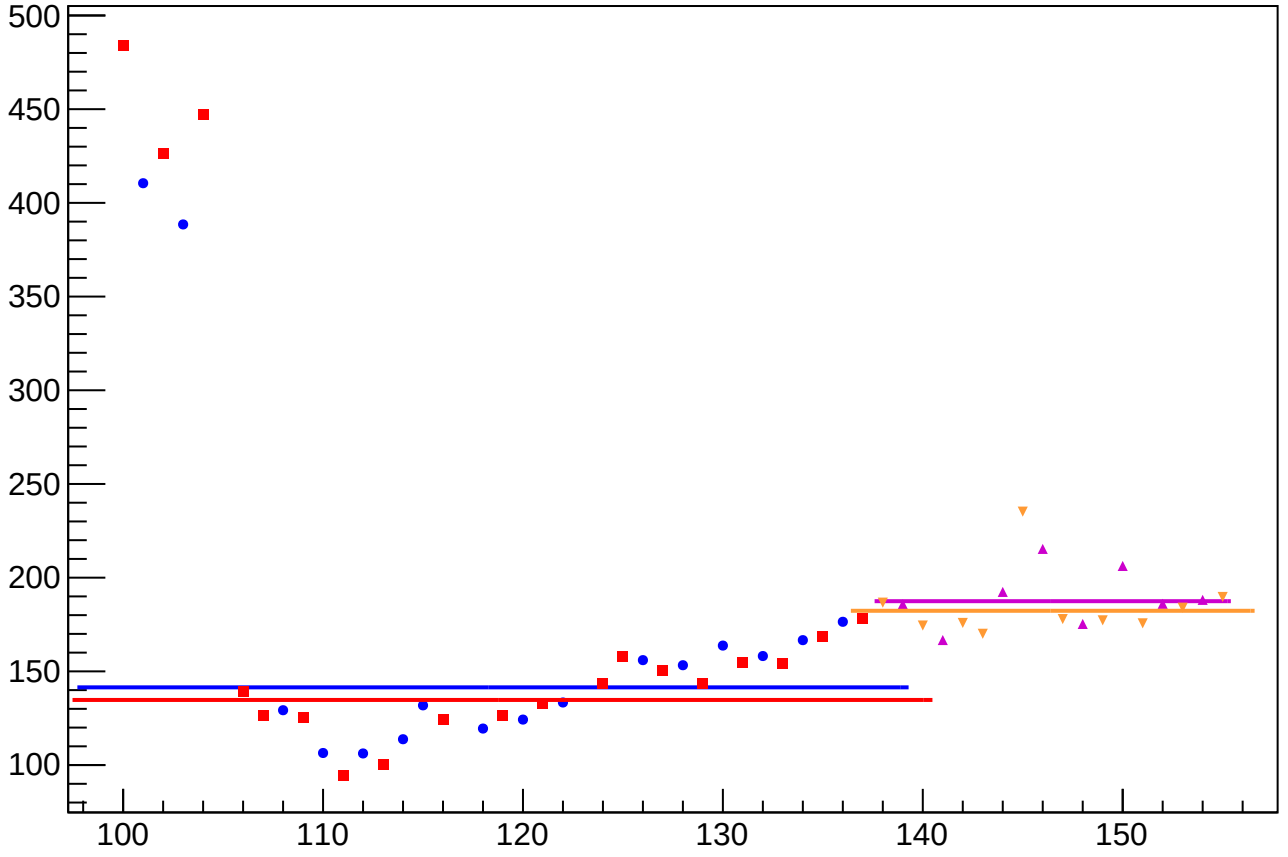
Left In: 165641.197+/-0.072 χ^2/NDF:23358609123.5/7

+ sign 161150.611+/-0.043 χ^2/NDF: 47945823171.

All: 160429.671+/-0.030 χ^2/NDF: 83567823

- sign 159721.325+/-0.043 χ^2/NDF: 35065703665.5

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 182.326+/-0.047 χ^2/NDF:102521.2/9

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

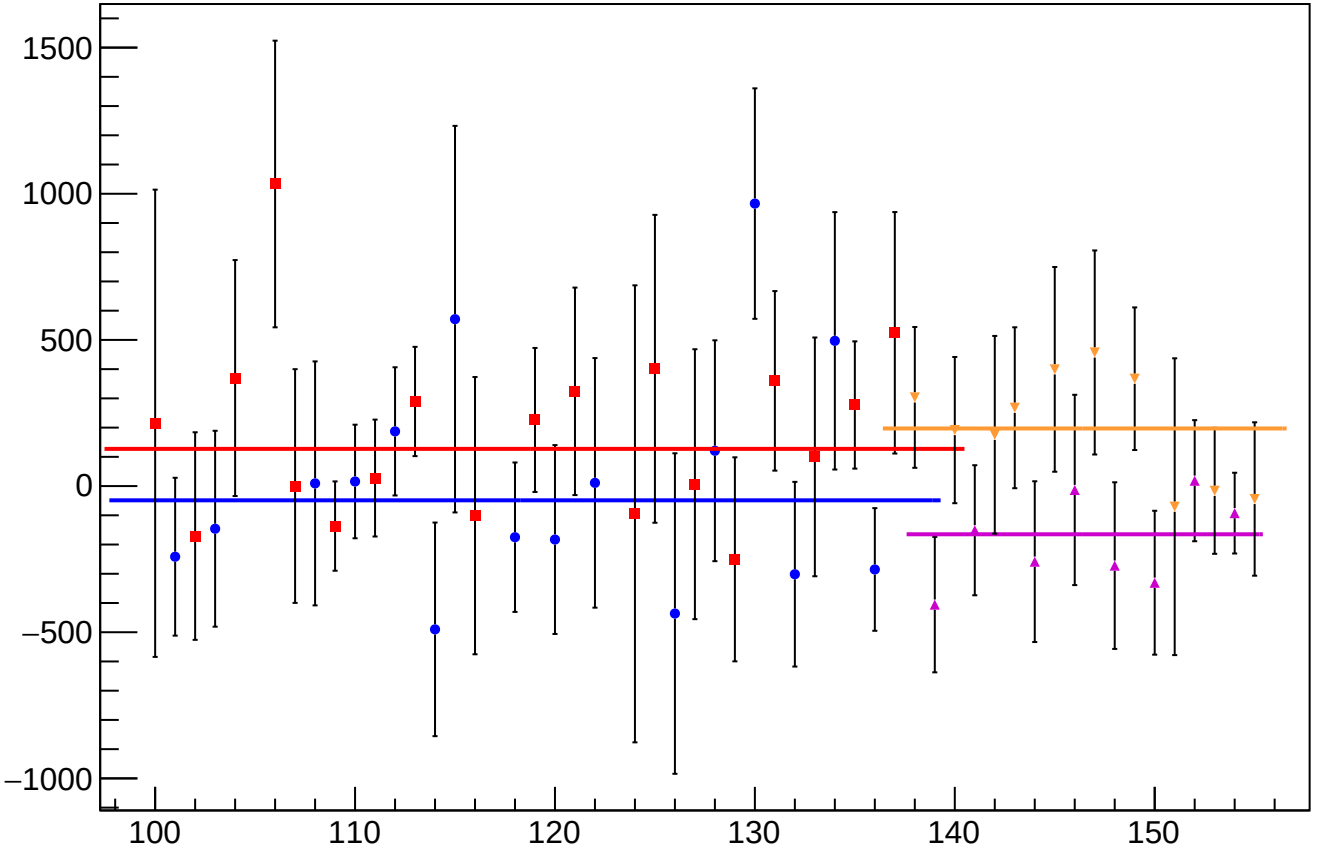
Left In: 187.453+/-0.051 χ^2/NDF:80427.2/7

+ sign 158.881+/-0.030 χ^2/NDF: 1935210.1/25

All: 156.150+/-0.021 χ^2/NDF: 4309828.1/52

- sign 153.466+/-0.030 χ^2/NDF: 2358649.6/26

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 197.044+/-88.299 χ^2/NDF:3.7/9

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

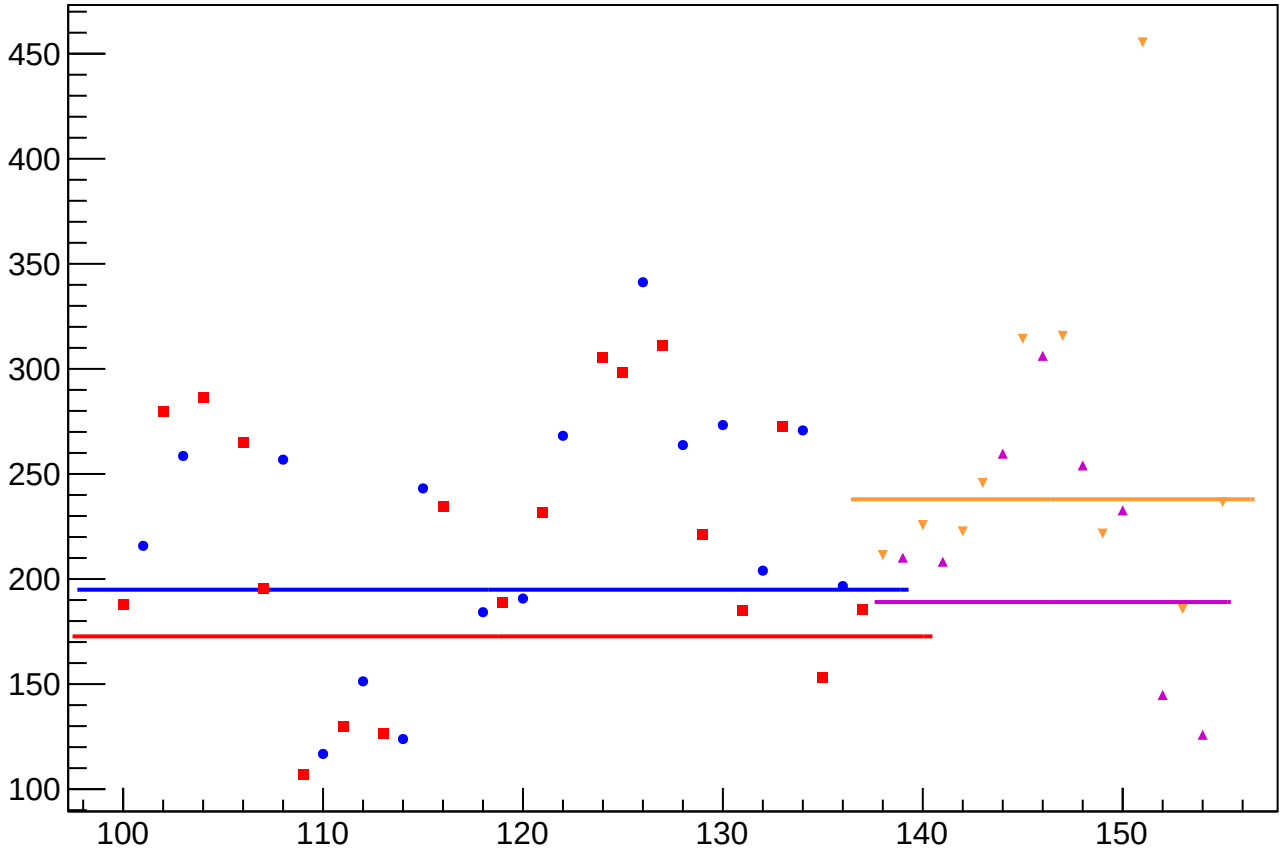
Left In: -164.894+/-77.607 χ^2/NDF:3.1/7

+ sign 56.784+/-57.858 χ^2/NDF: 23.6/25

All: 24.636+/-38.409 χ^2/NDF: 48.0/52

- sign -0.696+/-51.359 χ^2/NDF: 23.9/26

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 237.956+/-0.062 χ^2/NDF:722389.4/9

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

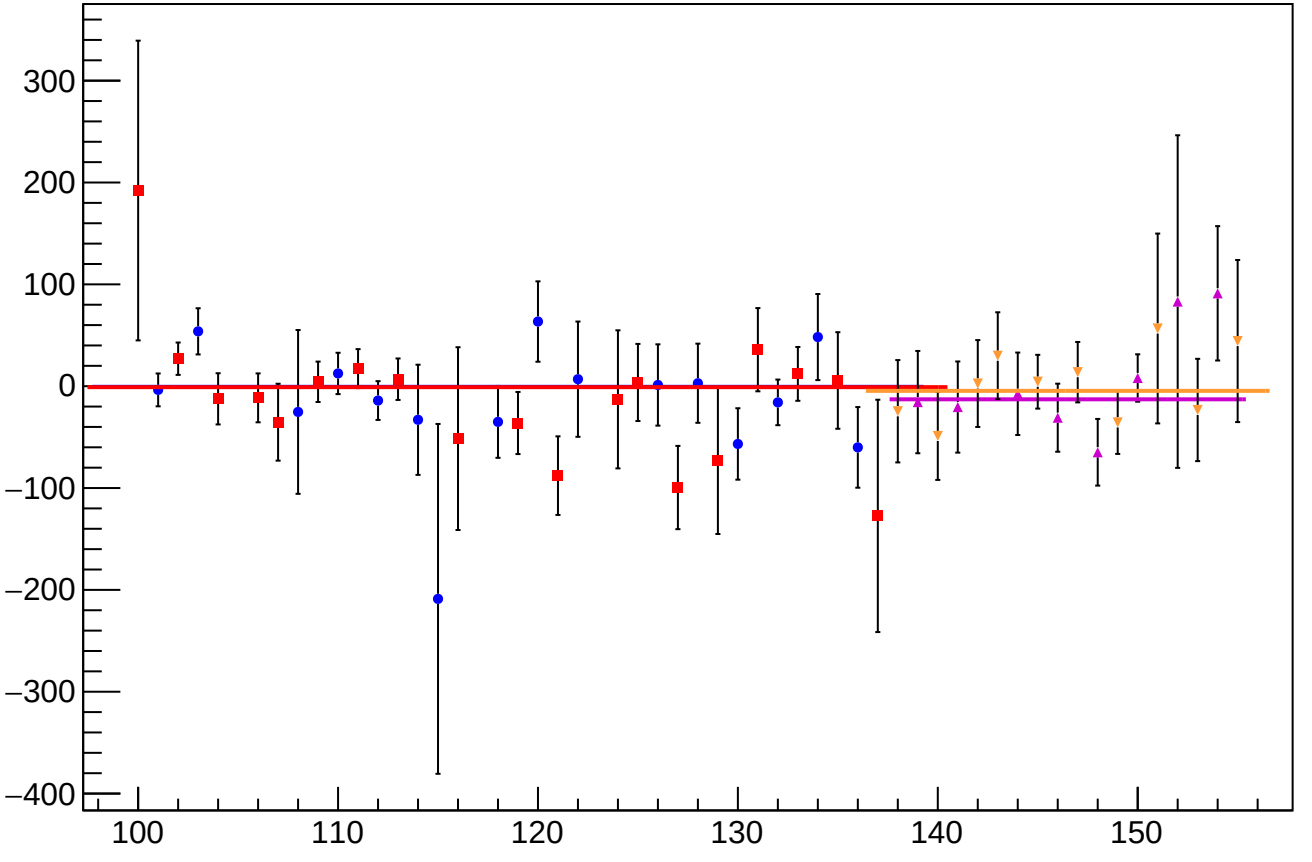
Left In: 189.056+/-0.055 χ^2/NDF:1098796.8/7

+ sign 213.399+/-0.041 χ^2/NDF: 2022369.8/25

All: 194.644+/-0.027 χ^2/NDF: 5178188.4/52

- sign 179.865+/-0.036 χ^2/NDF: 2780053.2/26

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.573+/-12.583 χ^2/NDF:4.3/9

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

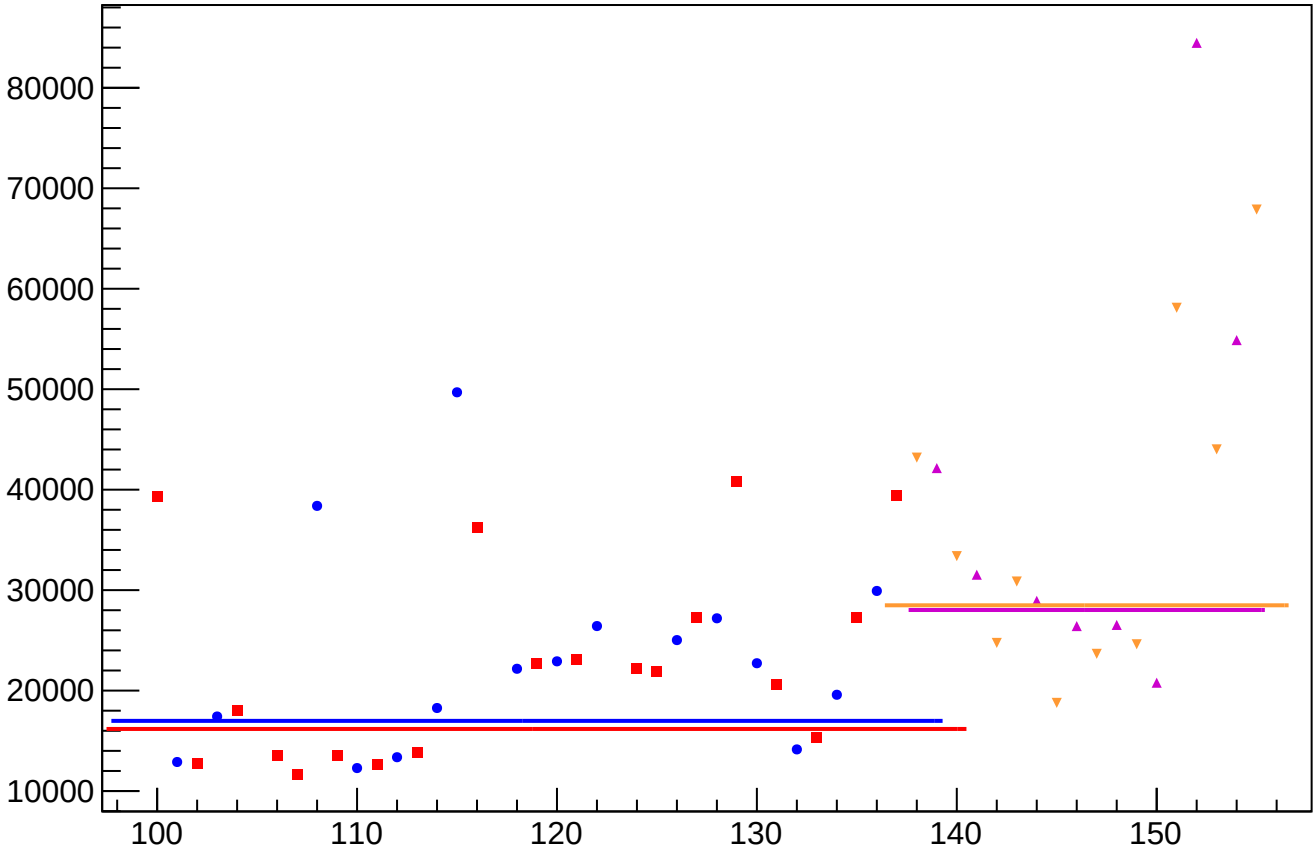
Left In: -12.880+/-13.542 χ^2/NDF:6.5/7

+ sign -1.626+/-6.340 χ^2/NDF: 23.3/25

All: -2.514+/-4.378 χ^2/NDF: 53.5/52

- sign -3.324+/-6.053 χ^2/NDF: 30.2/26

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 28490.531+/-8.897 χ^2/NDF:1456424.5/9

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

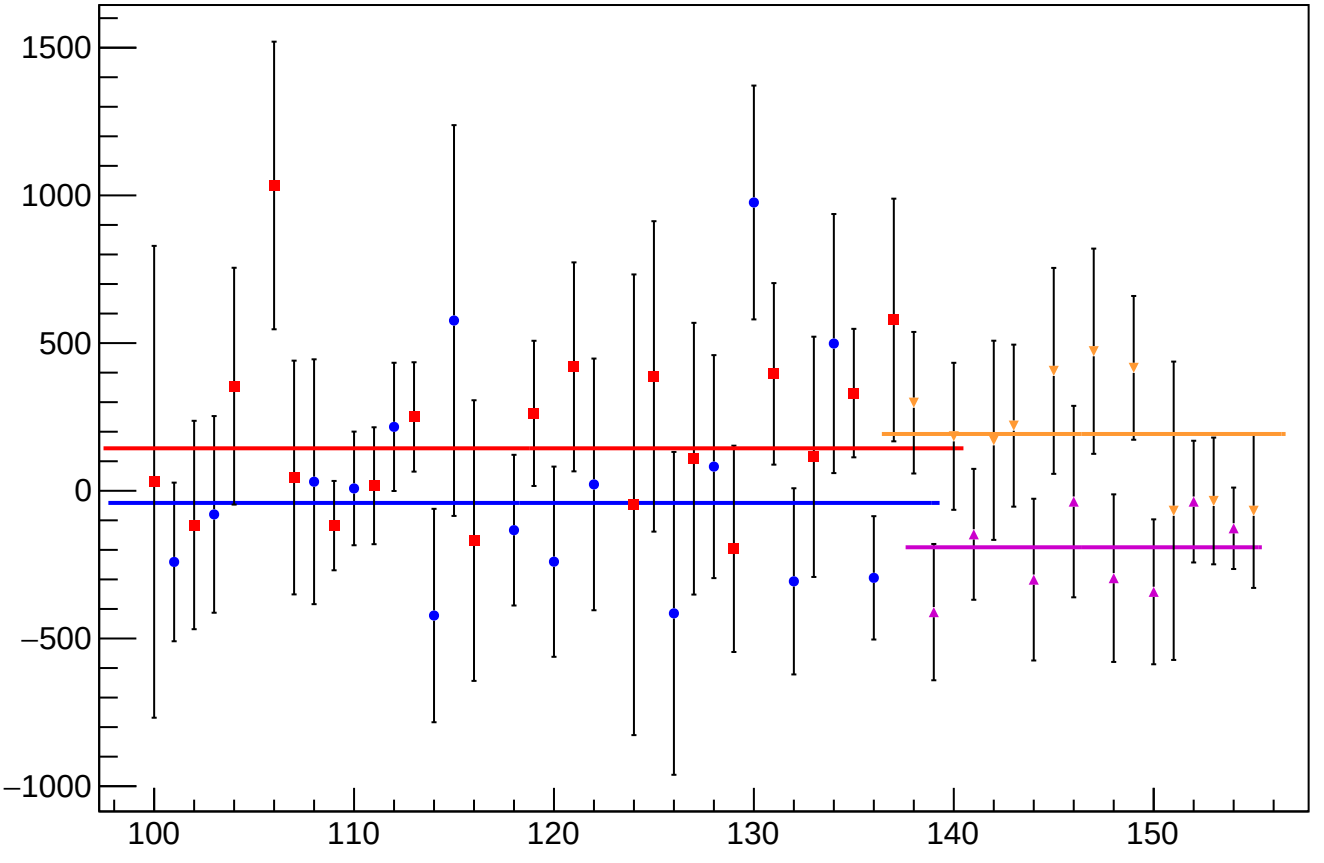
Left In: 28022.136+/-9.576 χ^2/NDF:944645.0/7

\+ sign 19907.333+/-4.483 χ^2/NDF: 3897845.8/25

All: 19195.998+/-3.096 χ^2/NDF: 7365447.7/5

\- sign 18547.592+/-4.280 χ^2/NDF: 3419480.3/26

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 192.354+/-87.915 χ^2/NDF:4.5/9

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

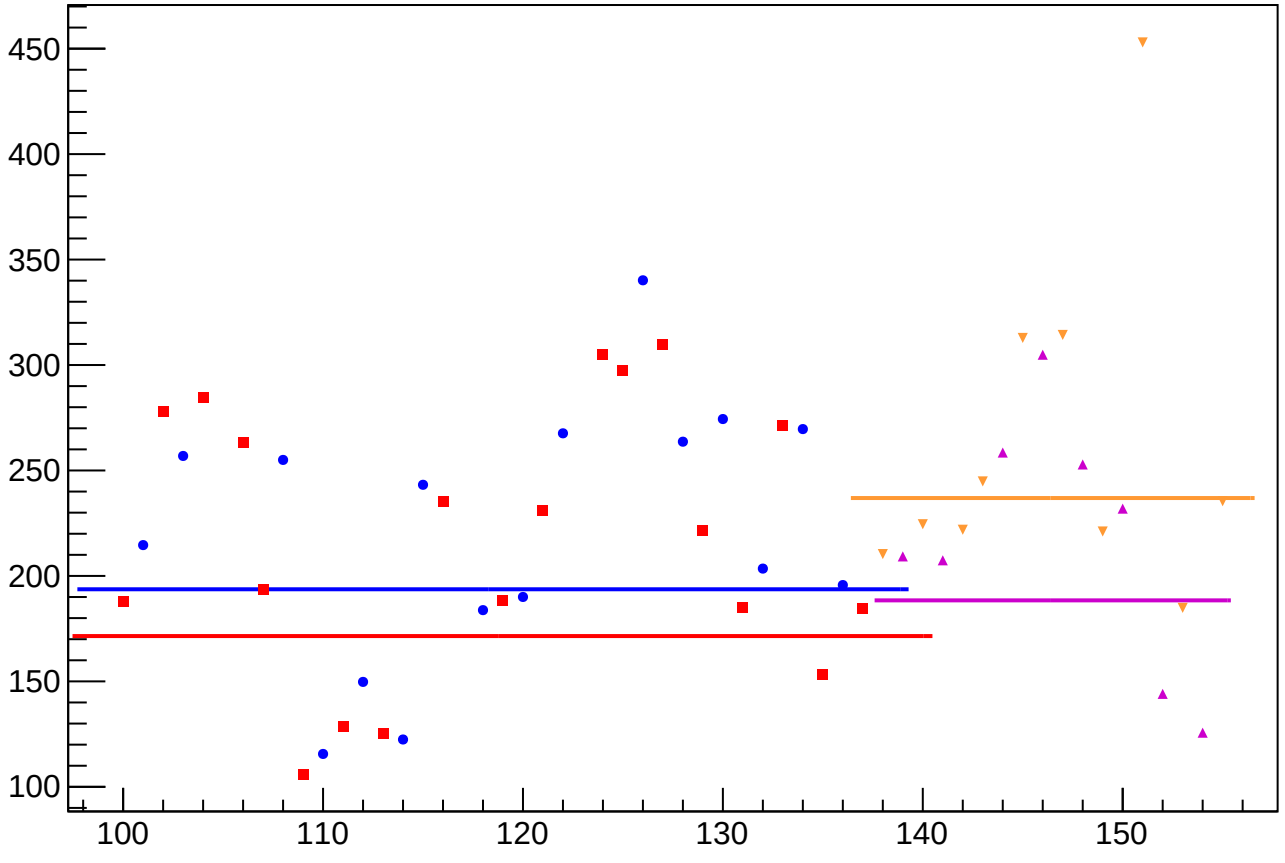
Left In: -191.201+/-77.322 χ^2/NDF:2.6/7

+ sign 59.012+/-57.562 χ^2/NDF: 23.9/25

All: 24.618+/-38.213 χ^2/NDF: 50.8/52

- sign -2.482+/-51.096 χ^2/NDF: 26.2/26

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 236.929+/-0.062 χ^2/NDF:721591.2/9

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

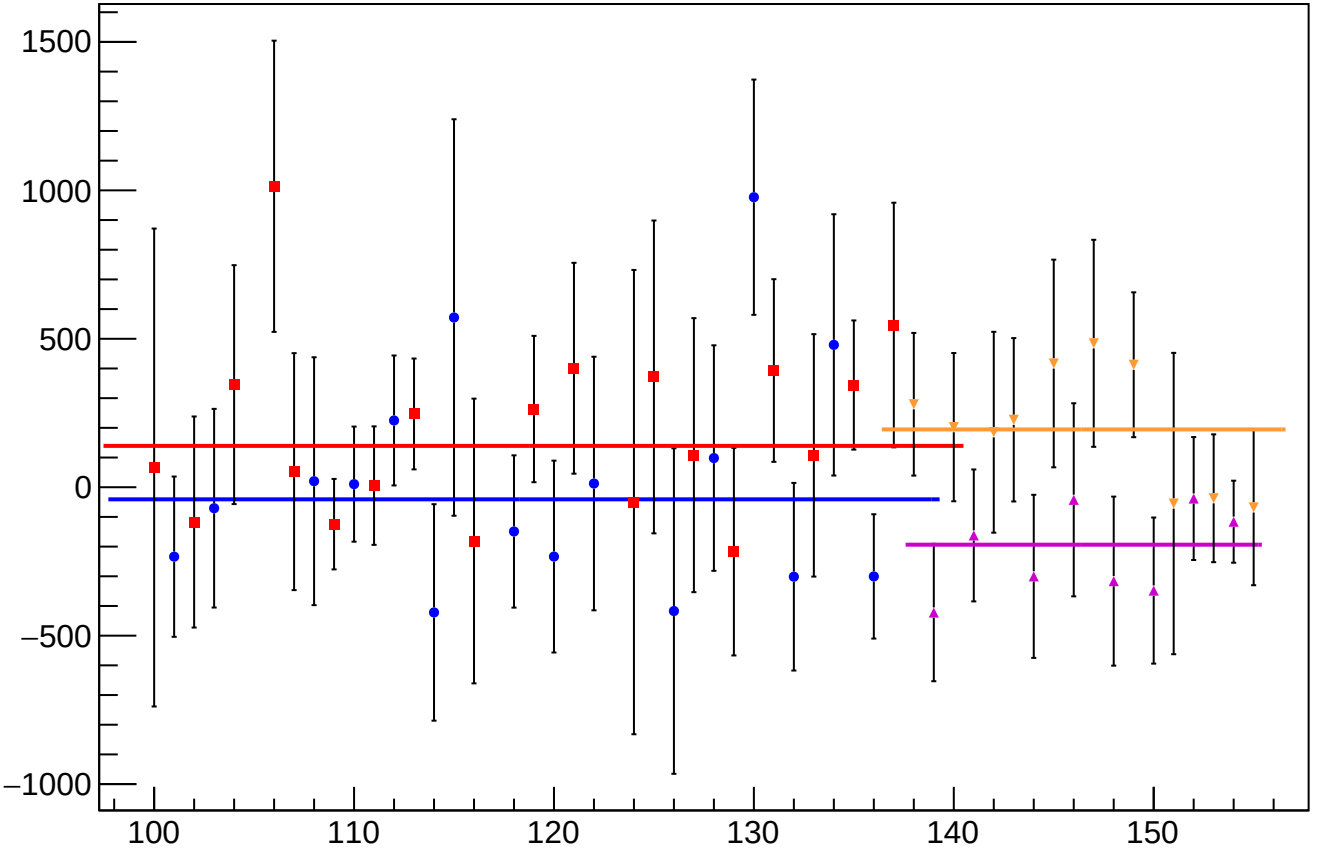
Left In: 188.410+/-0.055 χ^2/NDF:1093489.0/7

+ sign 212.216+/-0.041 χ^2/NDF: 2048011.1/25

All: 193.569+/-0.027 χ^2/NDF: 5223735.1/52

- sign 178.875+/-0.036 χ^2/NDF: 2800466.5/26

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 194.692+/-88.213 χ^2/NDF:4.4/9

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

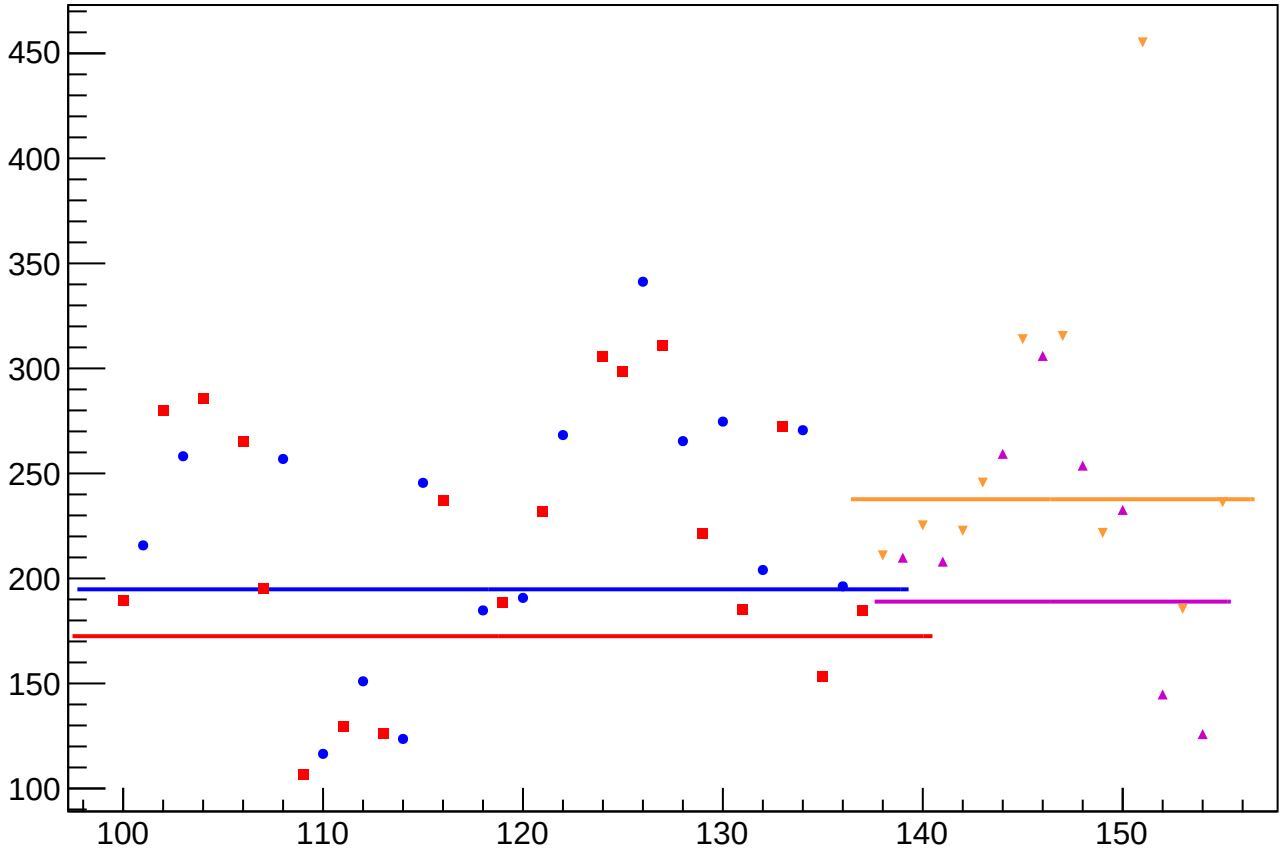
Left In: -193.577+/-77.559 χ^2/NDF:2.8/7

+ sign 60.405+/-57.828 χ^2/NDF: 23.9/25

All: 22.992+/-38.387 χ^2/NDF: 50.7/52

- sign -6.479+/-51.325 χ^2/NDF: 26.1/26

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 237.715+/-0.062 χ^2/NDF:723106.2/9

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

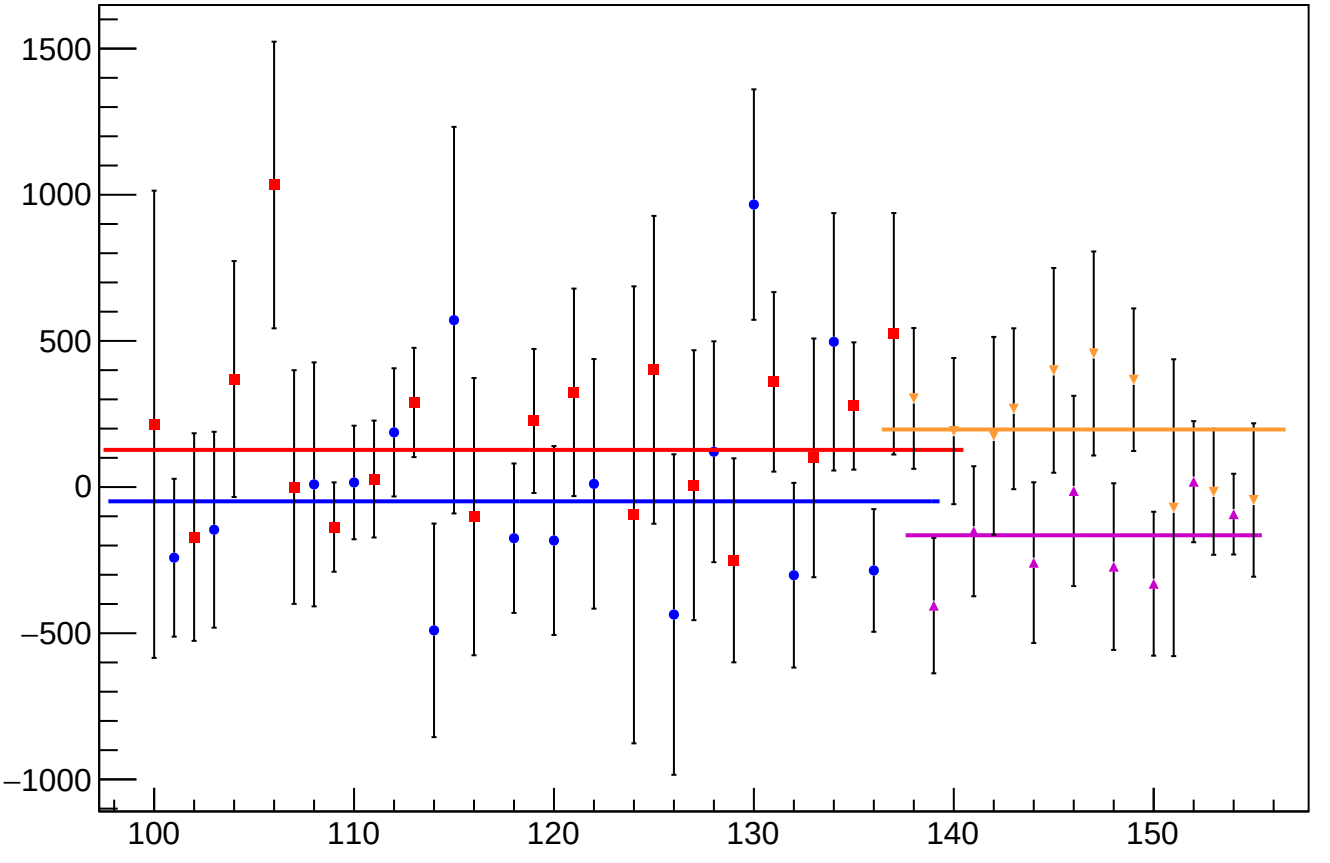
Left In: 188.961+/-0.055 χ^2/NDF:1095647.8/7

+ sign 213.254+/-0.041 χ^2/NDF: 2031881.1/25

All: 194.492+/-0.027 χ^2/NDF: 5196547.4/52

- sign 179.712+/-0.036 χ^2/NDF: 2788304.0/26

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 197.044+/-88.299 χ^2/NDF:3.7/9

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

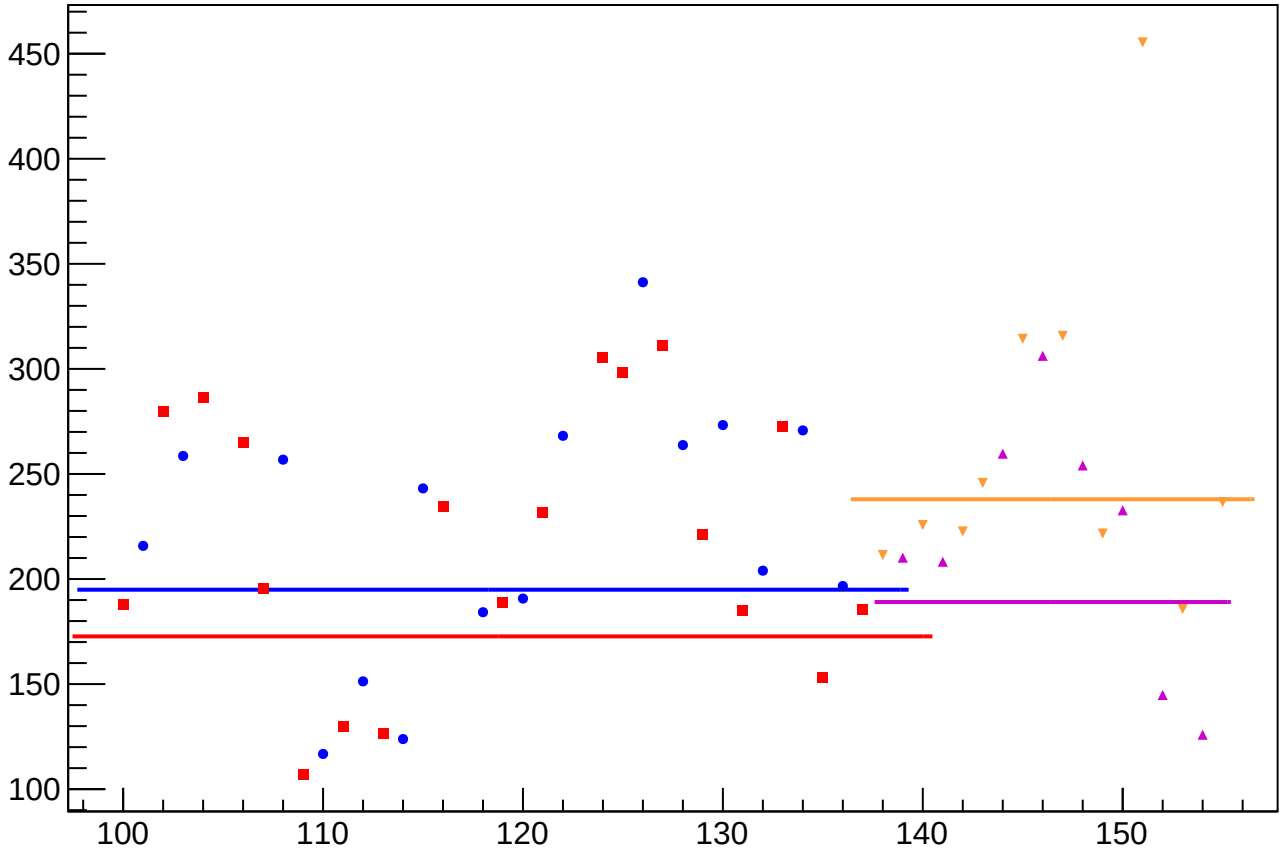
Left In: -164.894+/-77.607 χ^2/NDF:3.1/7

+ sign 56.784+/-57.858 χ^2/NDF: 23.6/25

All: 24.636+/-38.409 χ^2/NDF: 48.0/52

- sign -0.696+/-51.359 χ^2/NDF: 23.9/26

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 237.956+/-0.062 χ^2/NDF:722389.4/9

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

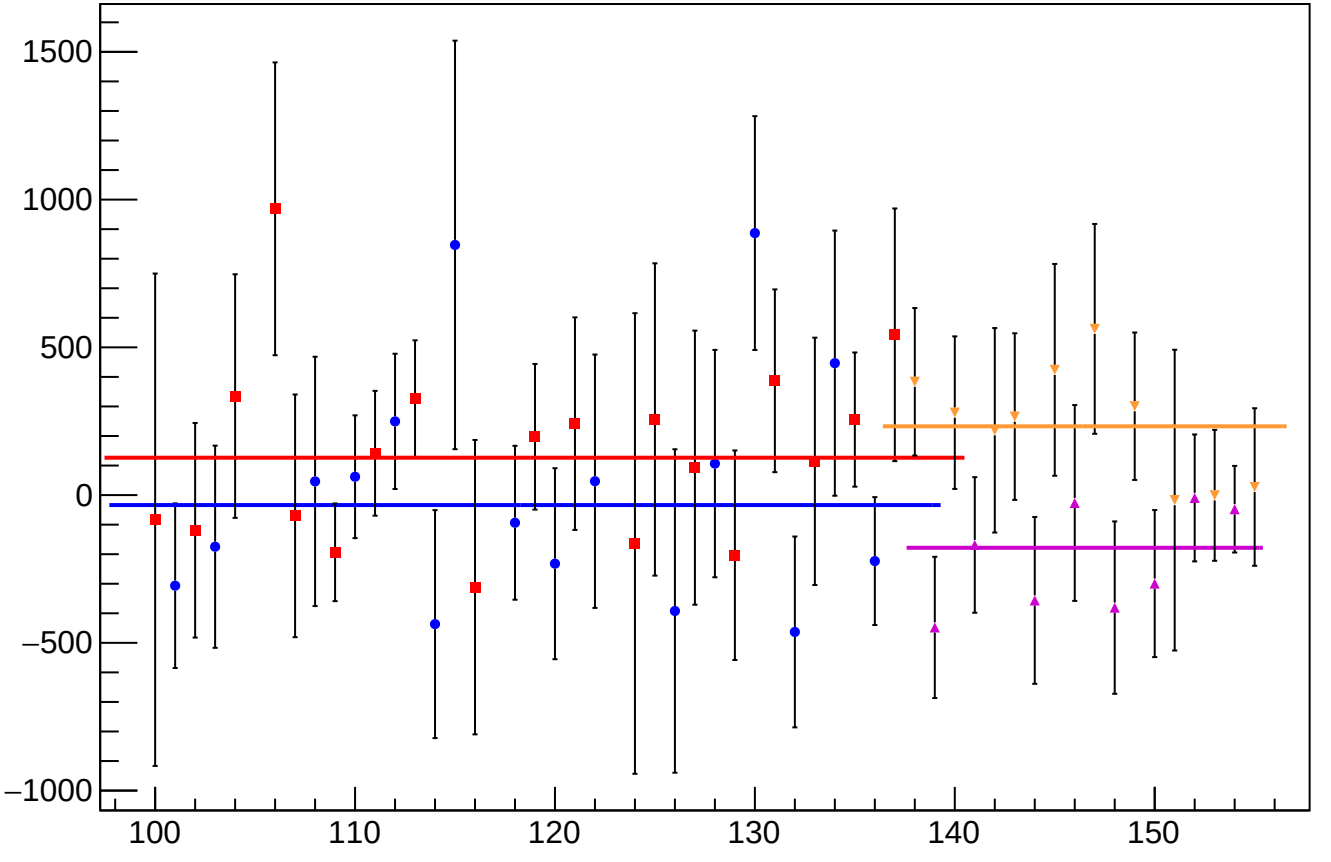
Left In: 189.056+/-0.055 χ^2/NDF:1098796.8/7

+ sign 213.399+/-0.041 χ^2/NDF: 2022369.8/25

All: 194.644+/-0.027 χ^2/NDF: 5178188.4/52

- sign 179.865+/-0.036 χ^2/NDF: 2780053.2/26

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 232.785+/-90.505 χ^2/NDF:3.6/9

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

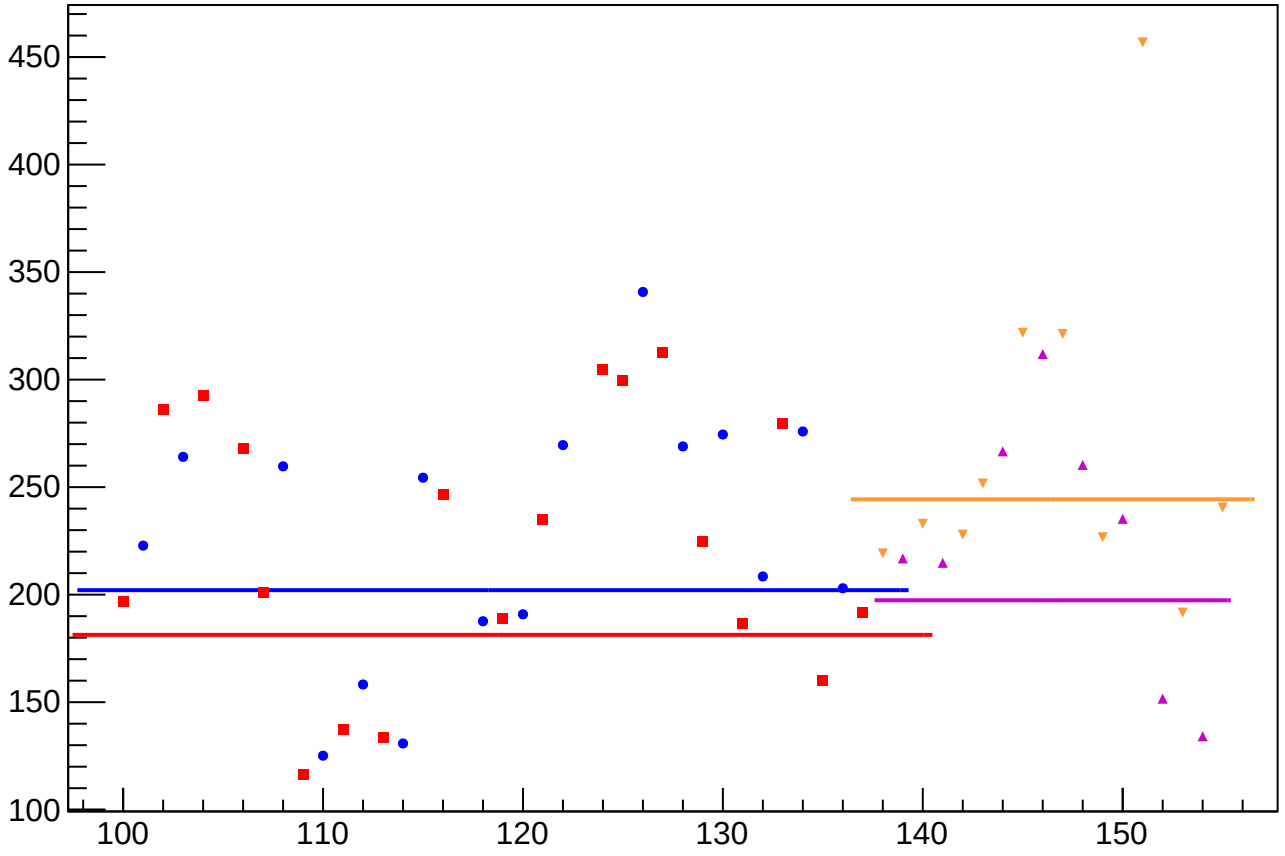
Left In: -178.240+/-80.502 χ^2/NDF:4.0/7

+ sign 81.513+/-59.514 χ^2/NDF: 24.2/25

All: 32.211+/-39.737 χ^2/NDF: 50.2/52

- sign -7.449+/-53.379 χ^2/NDF: 24.7/26

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 244.349+/-0.064 χ^2/NDF:689358.7/9

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

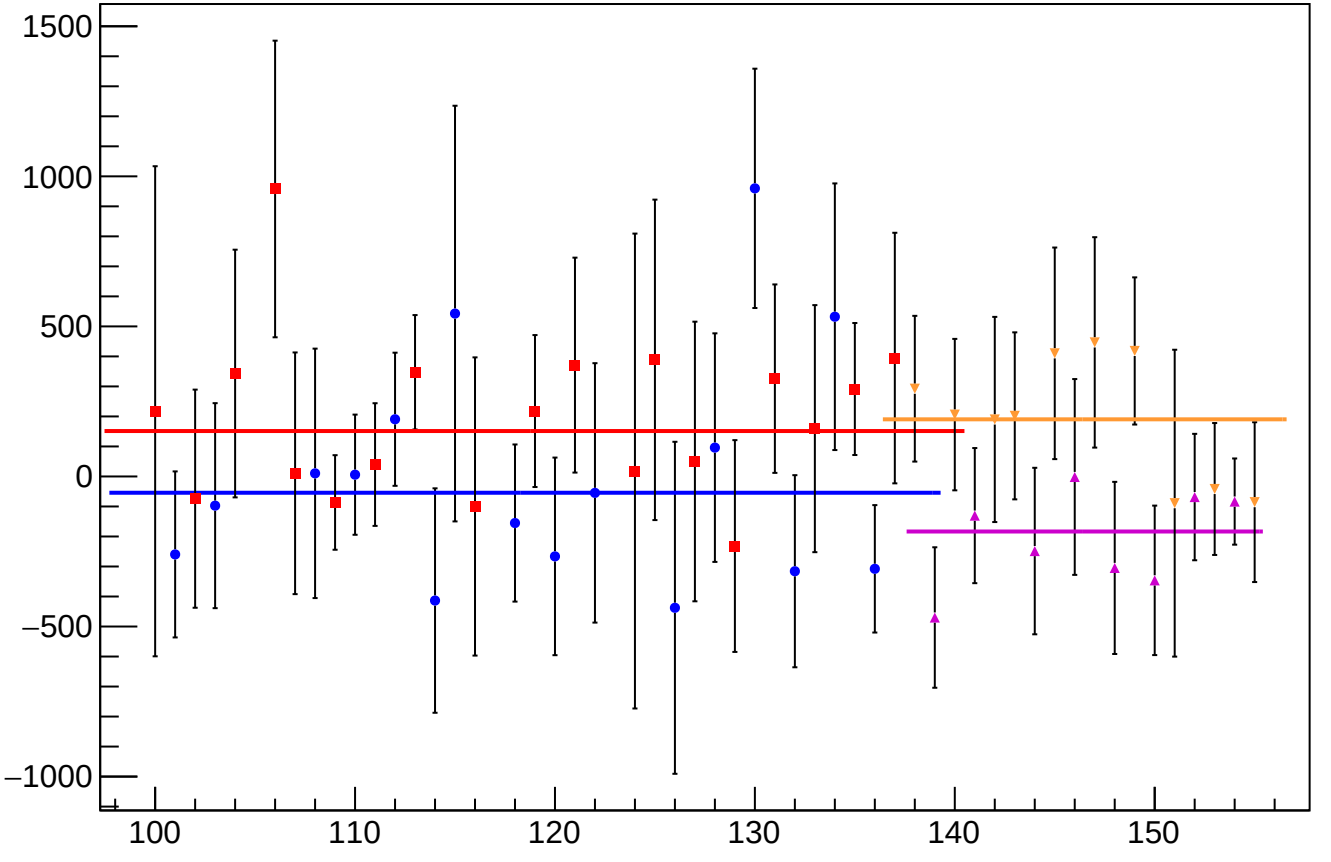
Left In: 197.388+/-0.057 χ^2/NDF:986657.5/7

+ sign 220.363+/-0.042 χ^2/NDF: 1847107.9/25

All: 202.639+/-0.028 χ^2/NDF: 4639547.7/52

- sign 188.380+/-0.038 χ^2/NDF: 2472335.6/26

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 190.377+/-89.227 χ^2/NDF:4.5/9

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

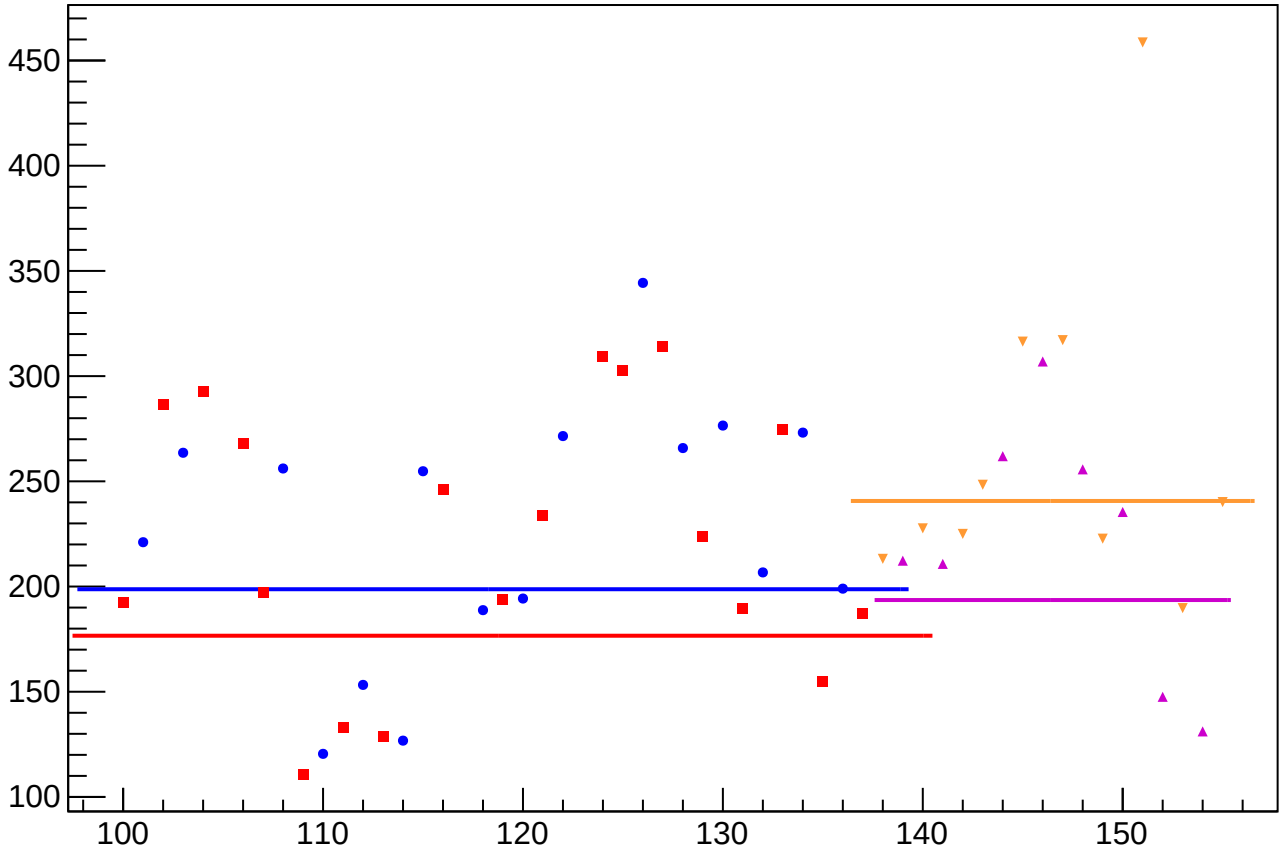
Left In: -183.402+/-79.128 χ^2/NDF:3.3/7

\+ sign 51.629+/-58.702 χ^2/NDF: 23.8/25

All: 25.463+/-39.086 χ^2/NDF: 47.7/52

\- sign 4.623+/-52.388 χ^2/NDF: 23.6/26

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 240.666+/-0.063 χ^2/NDF:705563.6/9

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

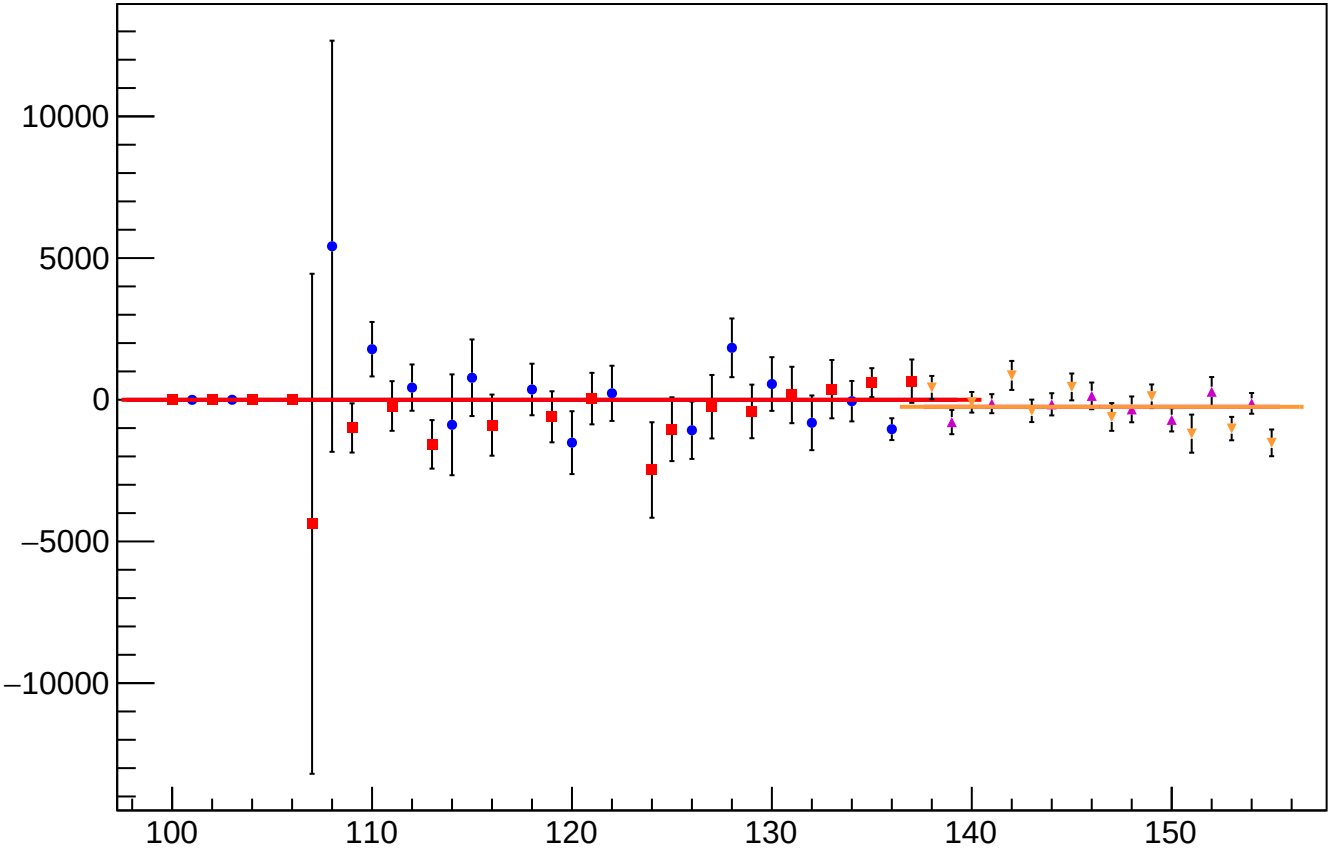
Left In: 193.584+/-0.056 χ^2/NDF:1011216.2/7

+ sign 216.875+/-0.042 χ^2/NDF: 1950342.2/25

All: 198.606+/-0.028 χ^2/NDF: 4956855.8/52

- sign 184.057+/-0.037 χ^2/NDF: 2658547.2/26

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -249.305+/-140.605 χ^2/NDF:24.0/9

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

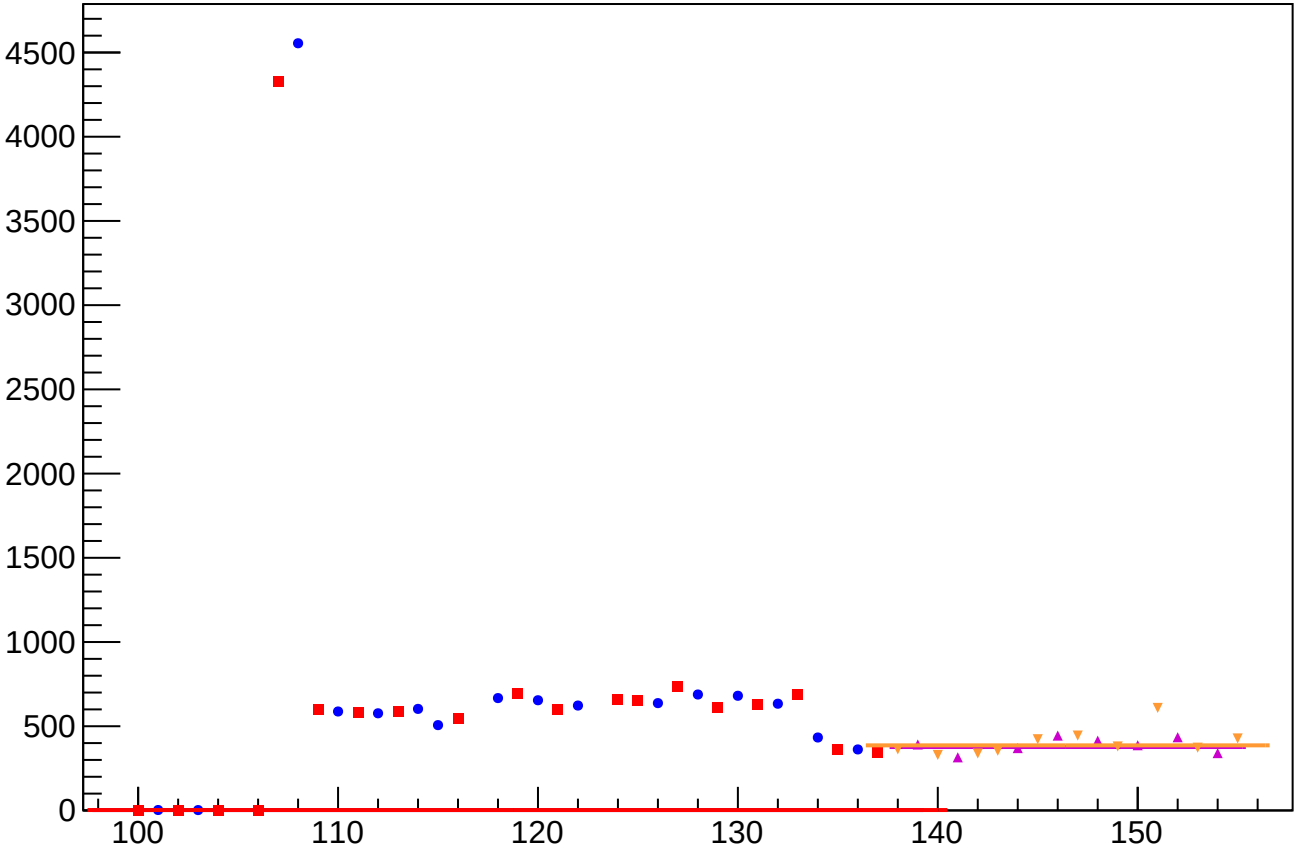
Left In: -247.586+/-145.423 χ^2/NDF:4.9/7

+ sign -1.298+/-2.171 χ^2/NDF: 47.0/25

All: -1.366+/-1.480 χ^2/NDF: 71.6/52

- sign -1.425+/-2.022 χ^2/NDF: 24.6/26

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 386.515+/-0.099 χ^2/NDF:362779.6/9

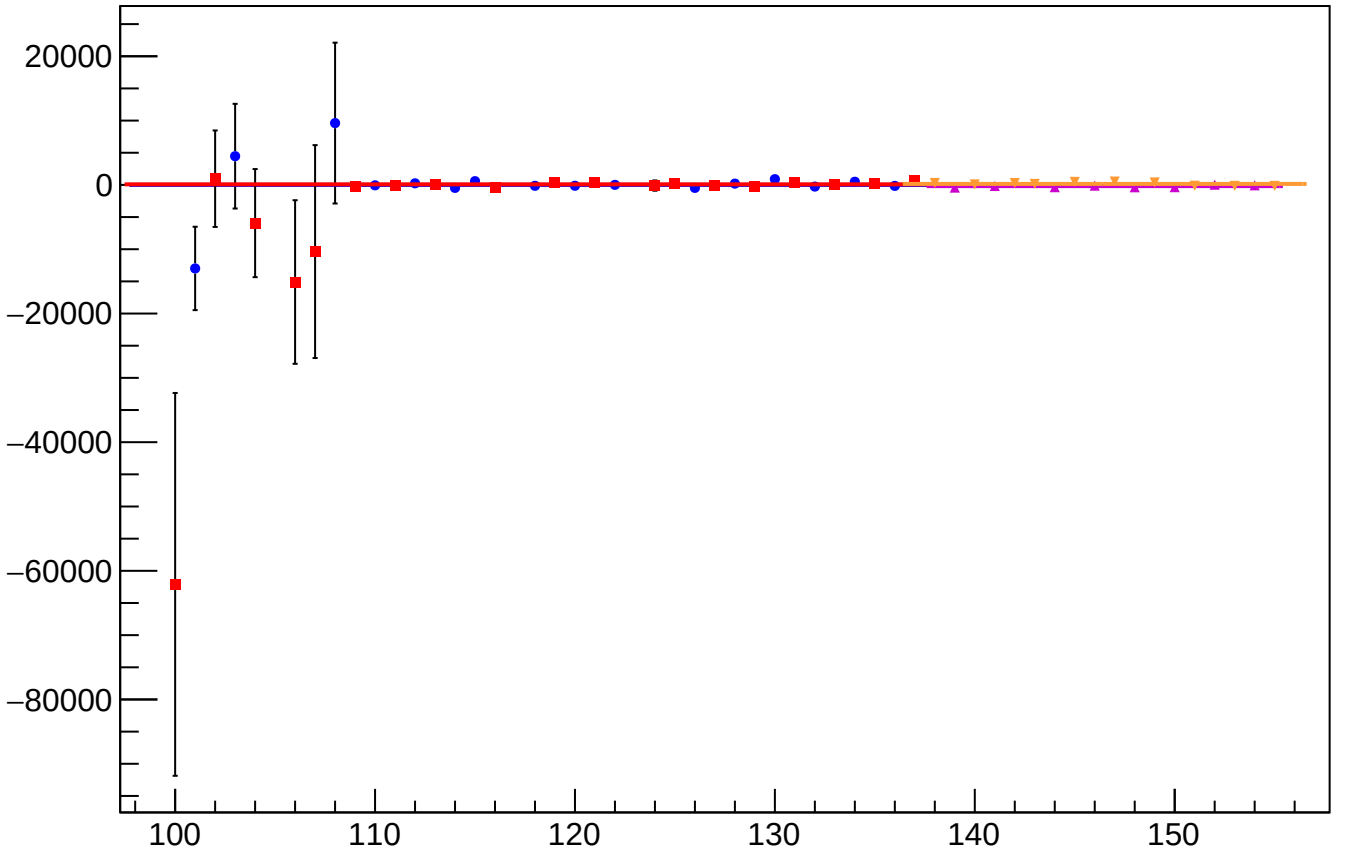
Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 376.614+/-0.103 χ^2/NDF:170313.9/7

+ sign 2.568+/-0.002 χ^2/NDF: 26905704.0/25

All: 2.550+/-0.001 χ^2/NDF: 51858287.1/52

- sign 2.535+/-0.001 χ^2/NDF: 24952324.9/26



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 154.101+/-94.807 χ^2/NDF:5.9/9

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

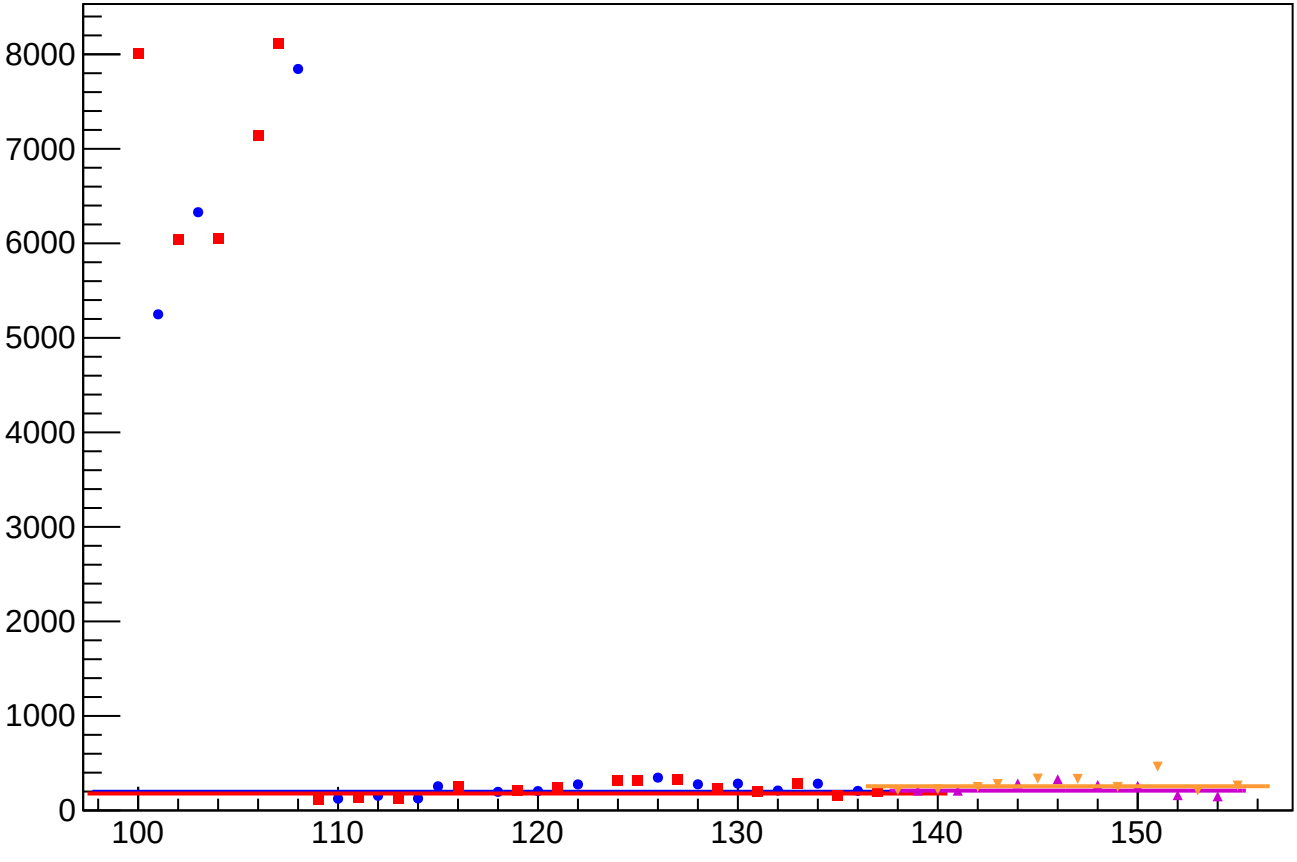
Left In: -188.643+/-84.999 χ^2/NDF:3.6/7

+ sign 71.476+/-64.428 χ^2/NDF: 24.2/25

All: 8.190+/-43.458 χ^2/NDF: 49.9/52

- sign -44.642+/-58.867 χ^2/NDF: 24.0/26

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 256.080+/-0.067 χ^2/NDF:692351.4/9

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

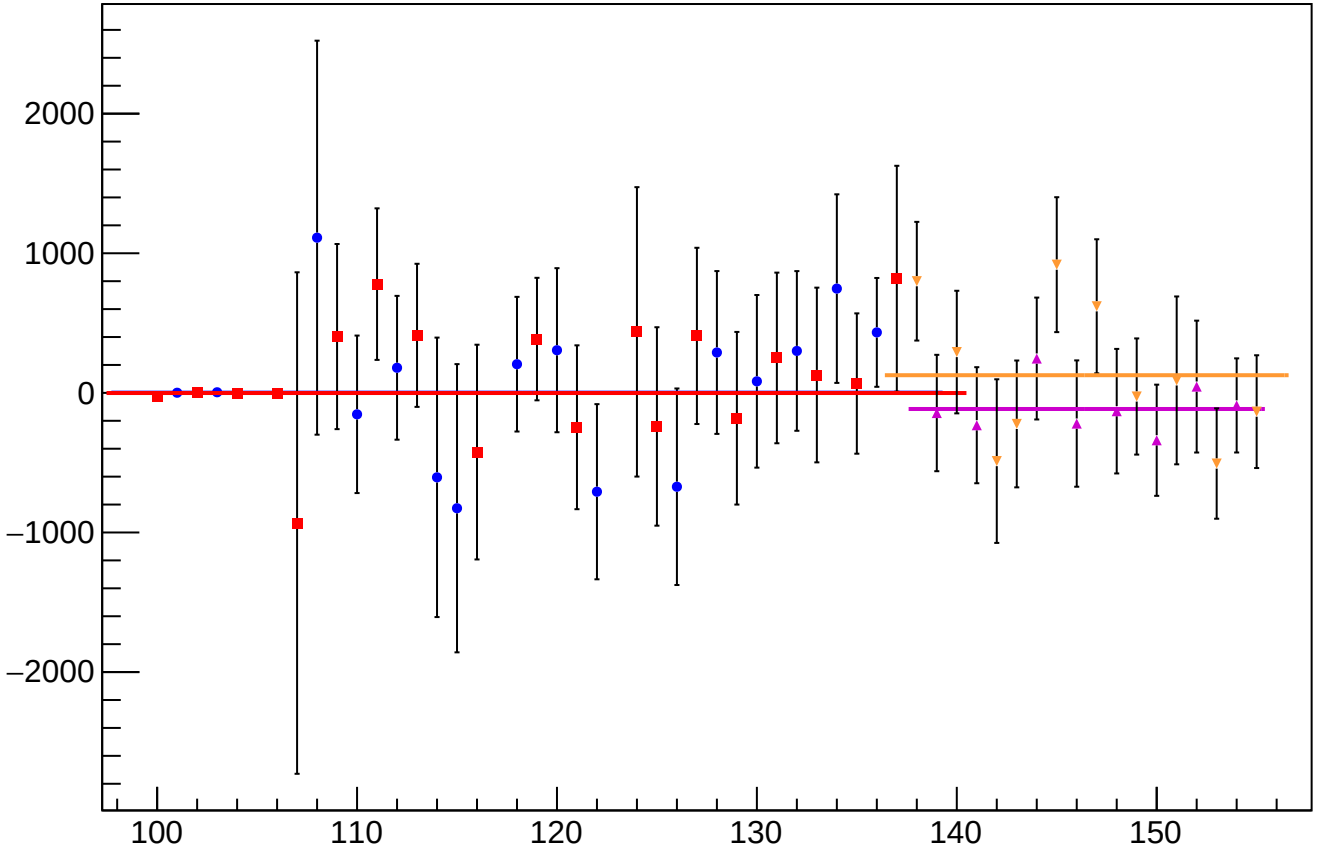
Left In: 209.695+/-0.060 χ^2/NDF:863998.9/7

+ sign 224.617+/-0.046 χ^2/NDF: 5058805.5/25

All: 207.850+/-0.031 χ^2/NDF: 10723290.3/52

- sign 193.852+/-0.042 χ^2/NDF: 5415939.2/26

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 126.503+/-144.077 χ^2/NDF:11.2/9

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

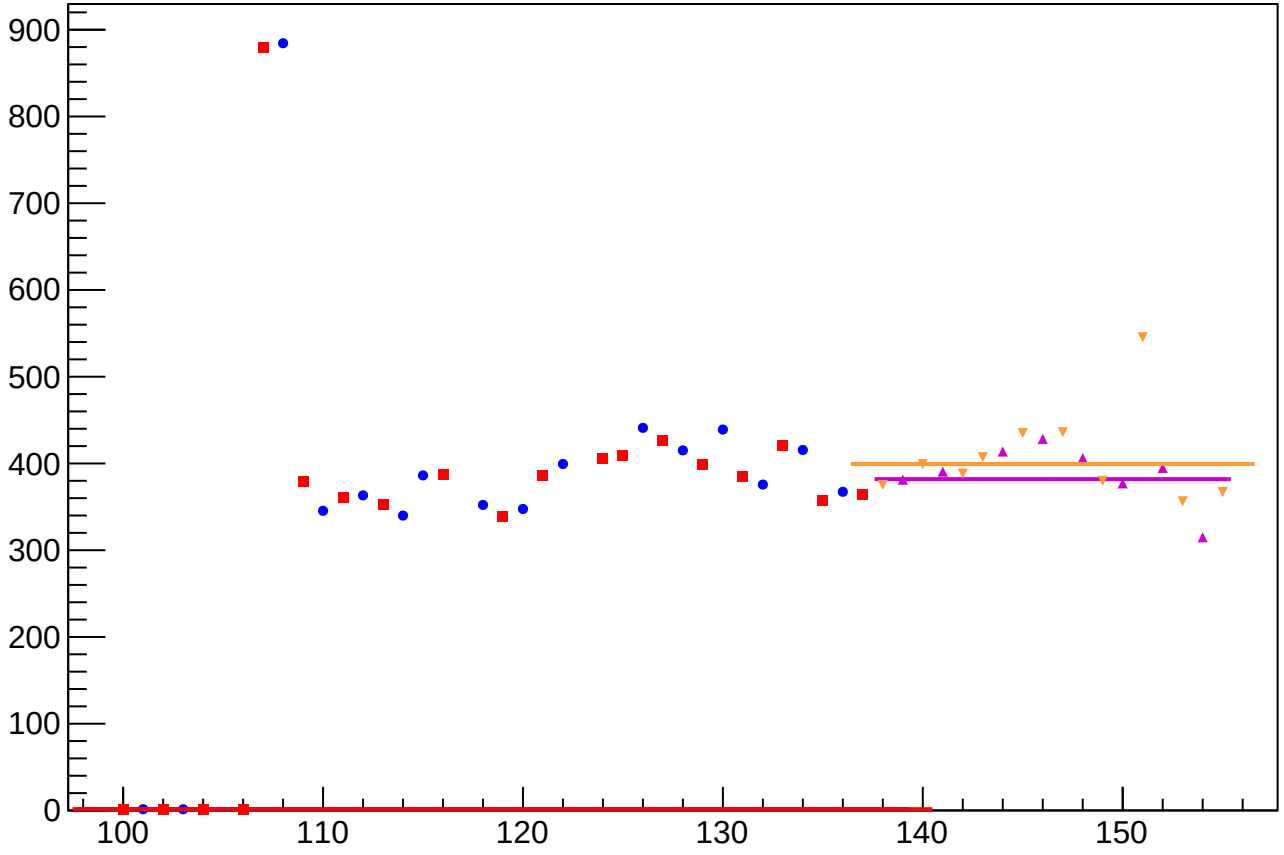
Left In: -115.410+/-146.980 χ^2/NDF:1.3/7

+ sign 1.472+/-1.660 χ^2/NDF: 19.8/25

All: 0.076+/-1.124 χ^2/NDF: 32.2/52

- sign -1.106+/-1.528 χ^2/NDF: 11.0/26

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 399.408+/-0.102 χ^2/NDF:189269.6/9

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

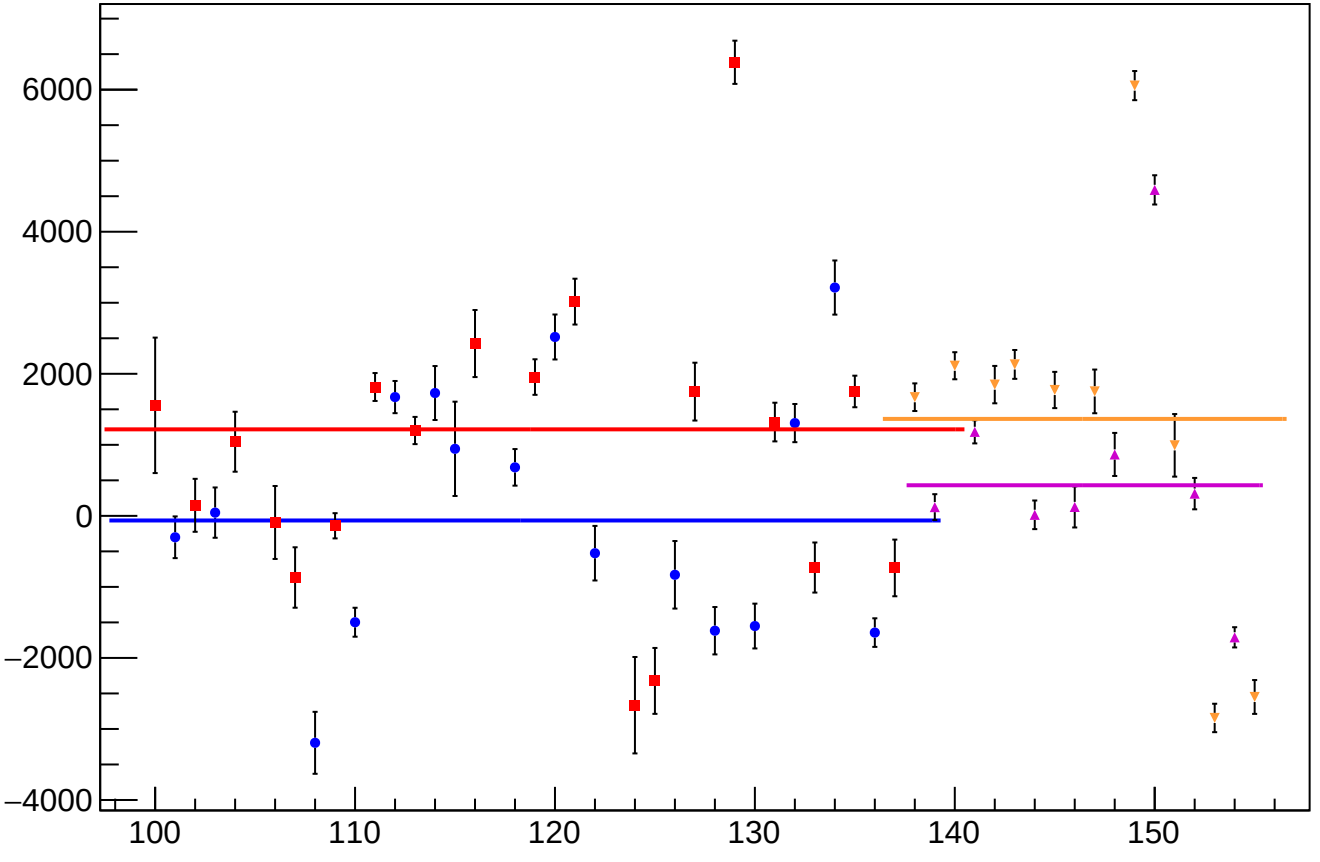
Left In: 381.947+/-0.104 χ^2/NDF:119345.9/7

\+ sign 1.523+/-0.001 χ^2/NDF: 27179662.0/25

All: 1.515+/-0.001 χ^2/NDF: 51970327.3/52

\- sign 1.508+/-0.001 χ^2/NDF: 24790579.8/26

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1364.902+/-72.534 χ^2/NDF:1276.3/9

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

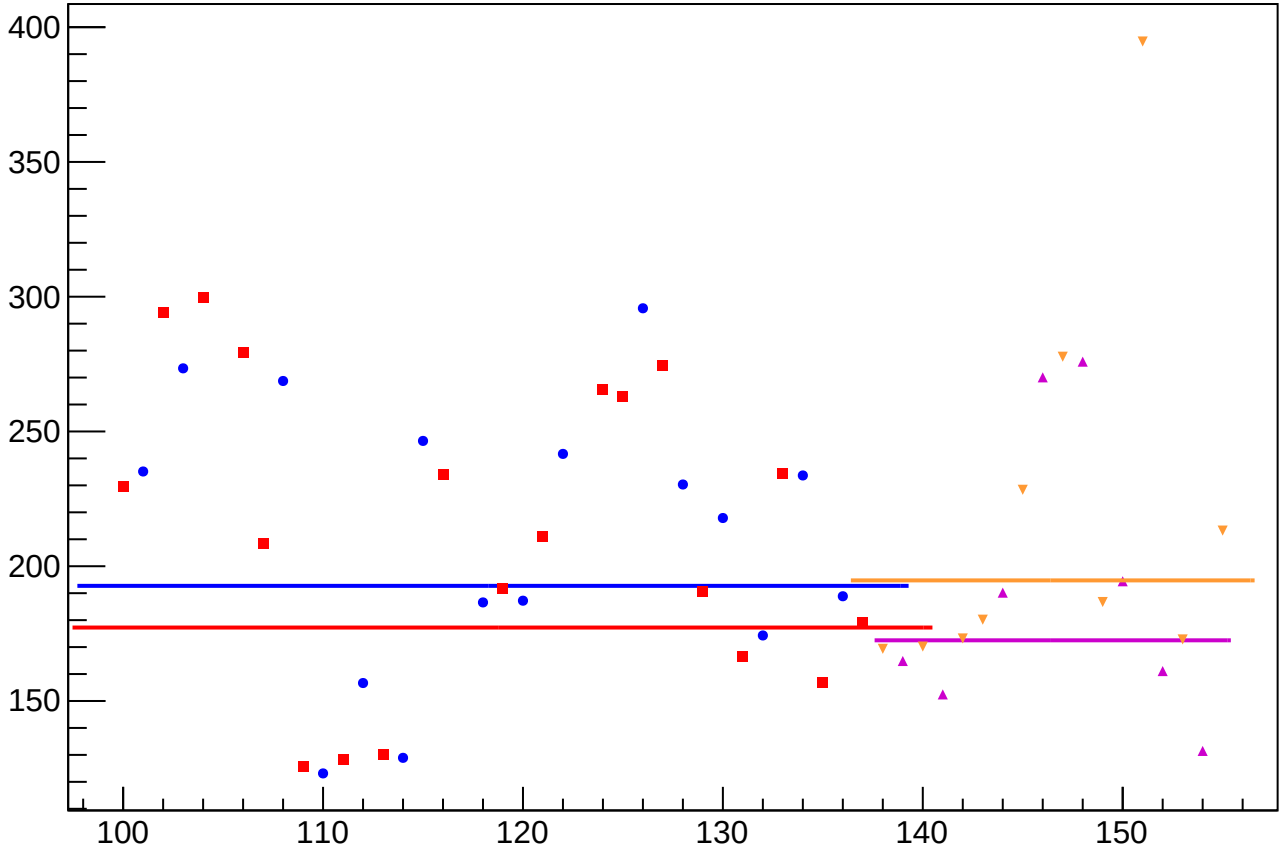
Left In: 430.809+/-69.218 χ^2/NDF:665.3/7

\+ sign 672.845+/-52.104 χ^2/NDF: 1933.8/25

All: 754.019+/-35.647 χ^2/NDF: 3263.1/52

\- sign 825.445+/-48.875 χ^2/NDF: 1324.7/26

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.744+/-0.051 χ^2/NDF:722283.0/9

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

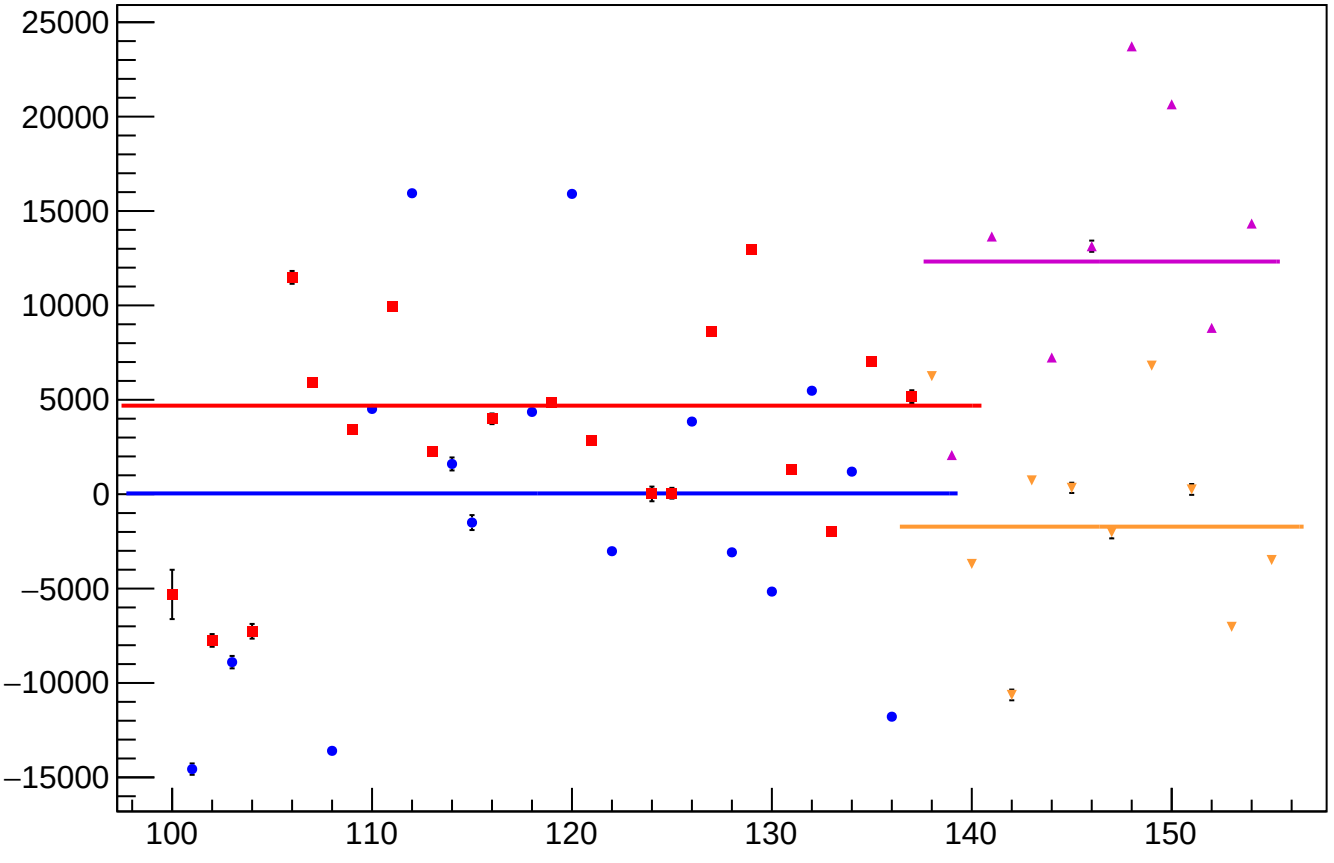
Left In: 172.513+/-0.049 χ^2/NDF:703639.8/7

+ sign 193.764+/-0.037 χ^2/NDF: 1482183.8/25

All: 183.723+/-0.025 χ^2/NDF: 3556320.7/52

- sign 174.889+/-0.035 χ^2/NDF: 1934519.9/26

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1719.719+/-66.409 χ^2/NDF:5951.6/9

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

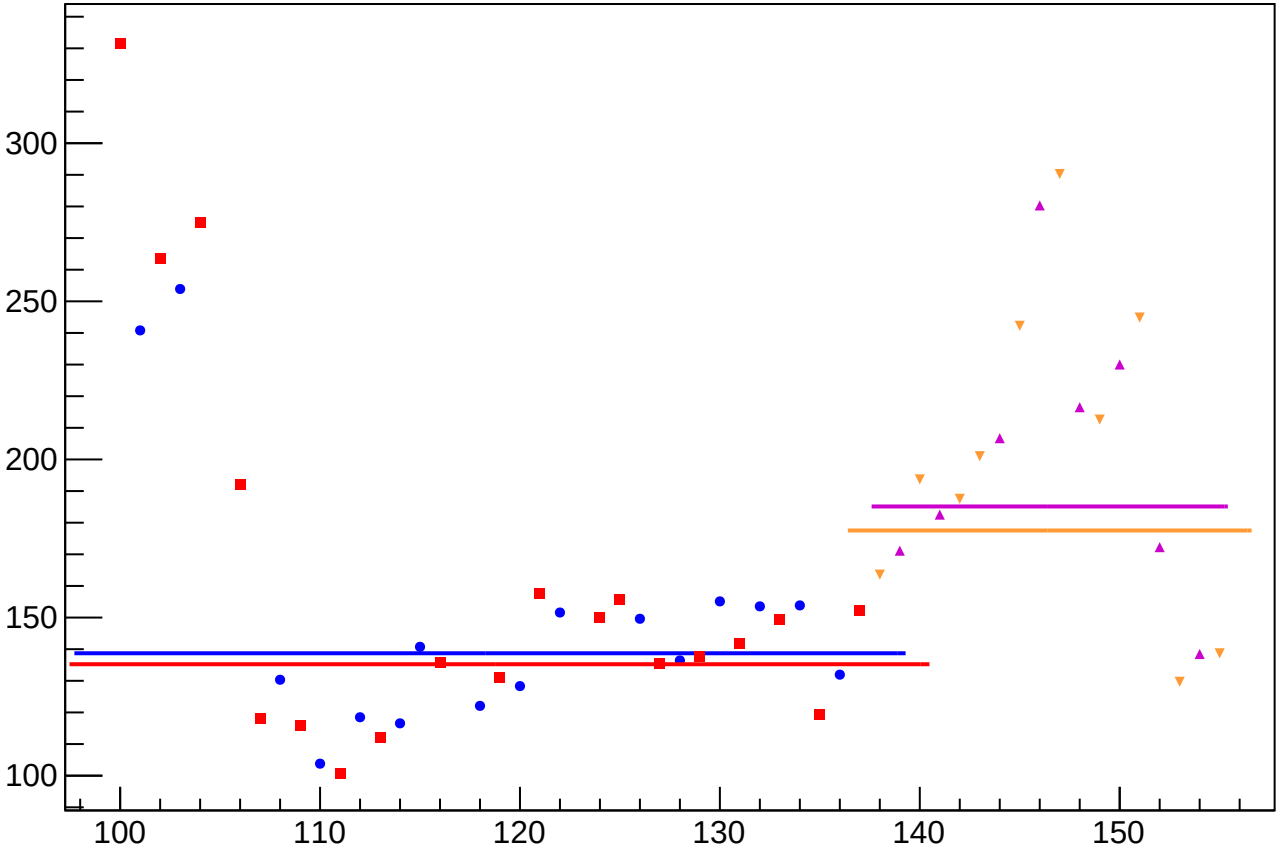
Left In: 12323.323+/-73.568 χ^2/NDF:7280.5/7

+ sign -662.959+/-41.990 χ^2/NDF: 37159.8/25

All: 3238.953+/-29.875 χ^2/NDF: 76894.7/52

- sign 7239.121+/-42.515 χ^2/NDF: 22247.1/26

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 177.535+/-0.047 χ^2/NDF:911858.8/9

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

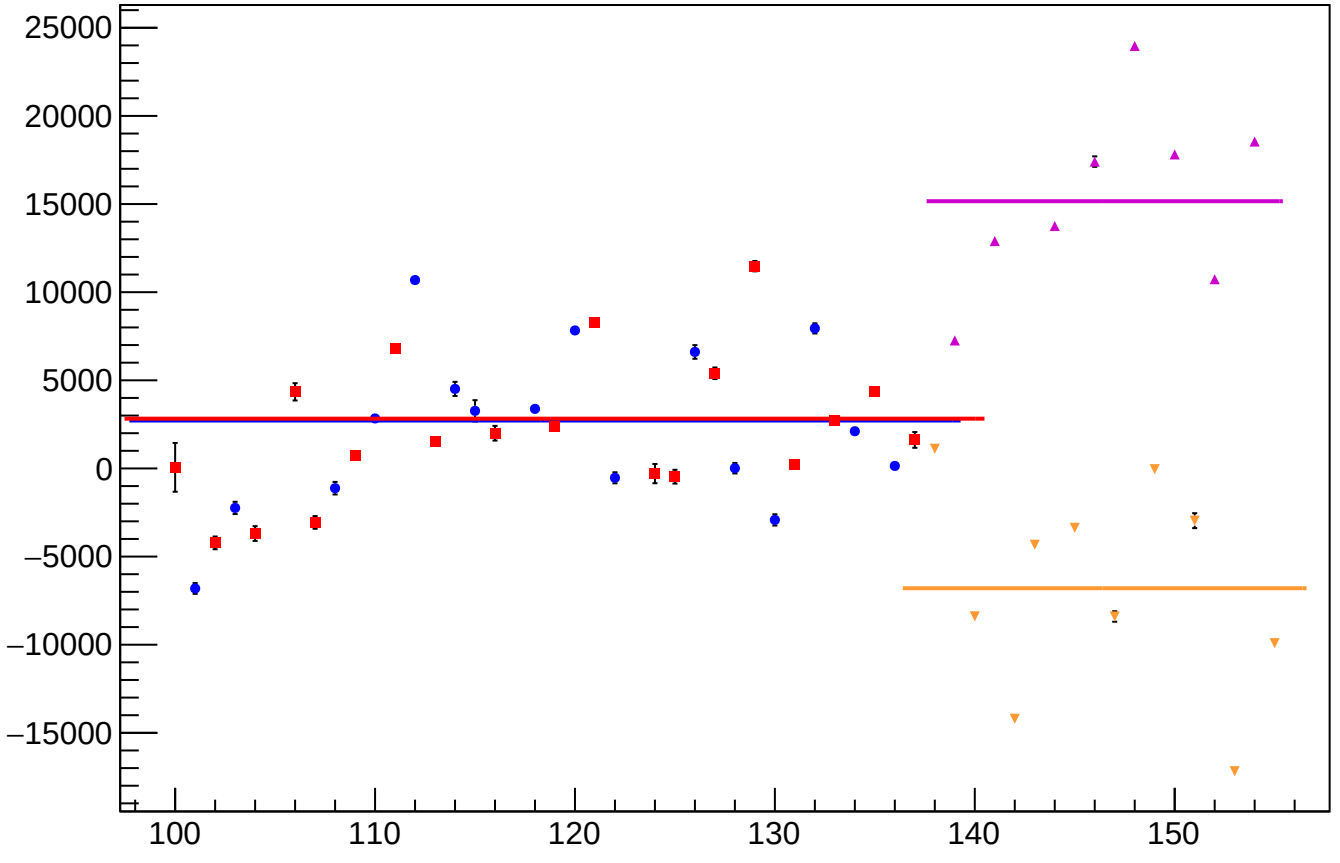
Left In: 185.132+/-0.052 χ^2/NDF:539443.4/7

+ sign 154.233+/-0.030 χ^2/NDF: 1979899.2/25

All: 153.084+/-0.021 χ^2/NDF: 4024919.4/52

- sign 151.906+/-0.030 χ^2/NDF: 2041988.1/26

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6796.426+/-76.142 χ^2/NDF:6475.9/9

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

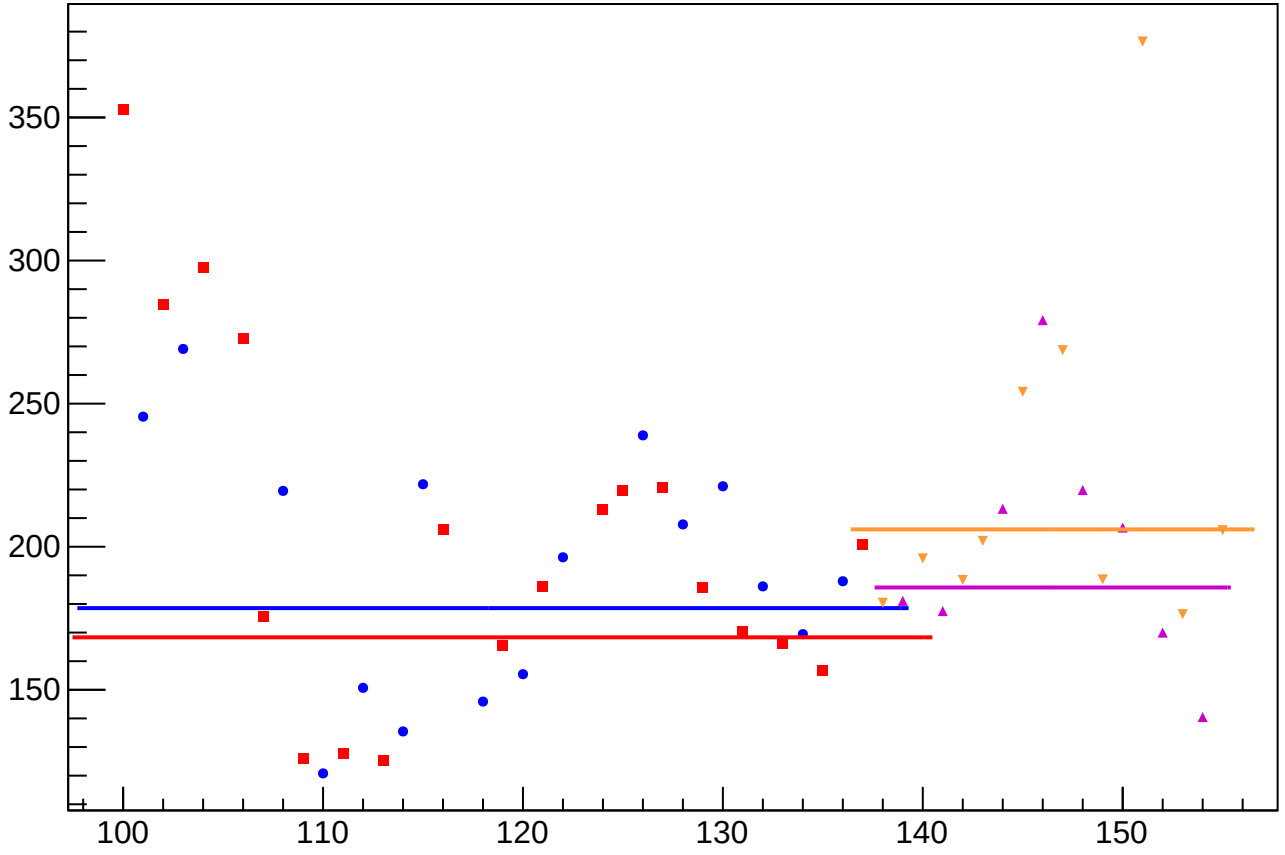
Left In: 15160.865+/-73.792 χ^2/NDF:4110.4/7

+ sign -1587.961+/-51.230 χ^2/NDF: 19154.4/25

All: 3552.337+/-35.301 χ^2/NDF: 61269.5/52

- sign 8199.877+/-48.712 χ^2/NDF: 22944.5/26

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 206.057+/-0.054 χ^2/NDF:570948.8/9

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

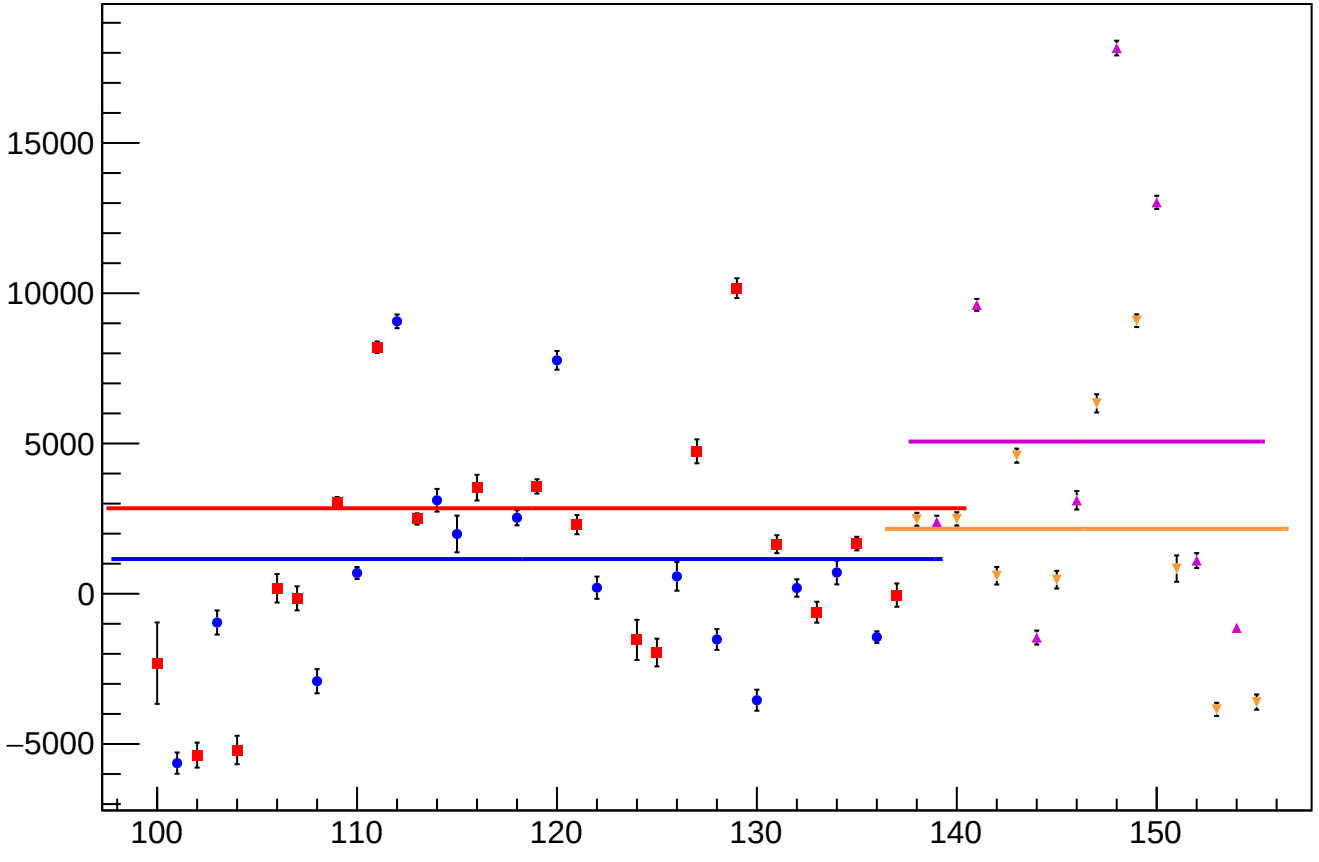
Left In: 185.758+/-0.052 χ^2/NDF:476748.5/7

+ sign 190.997+/-0.036 χ^2/NDF: 1388470.1/25

All: 183.083+/-0.025 χ^2/NDF: 2998504.7/52

- sign 175.927+/-0.034 χ^2/NDF: 1519148.0/26

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2159.151+/-79.769 χ^2/NDF:2710.1/9

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

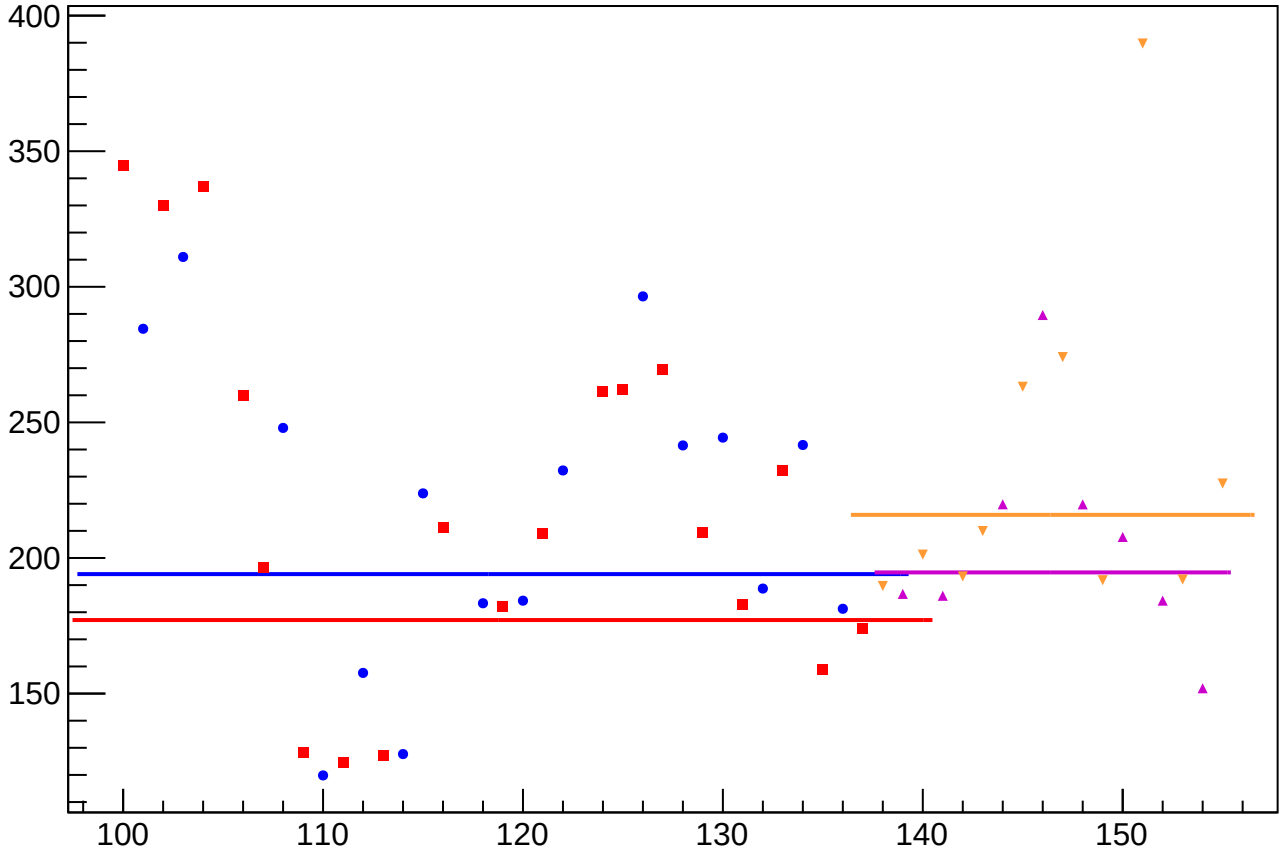
Left In: 5064.329+/-77.114 χ^2/NDF:7340.4/7

+ sign 1631.889+/-55.008 χ^2/NDF: 5448.8/25

All: 2805.546+/-37.586 χ^2/NDF: 16555.9/52

- sign 3833.399+/-51.478 χ^2/NDF: 10253.2/26

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.905+/-0.056 χ^2/NDF:543029.1/9

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

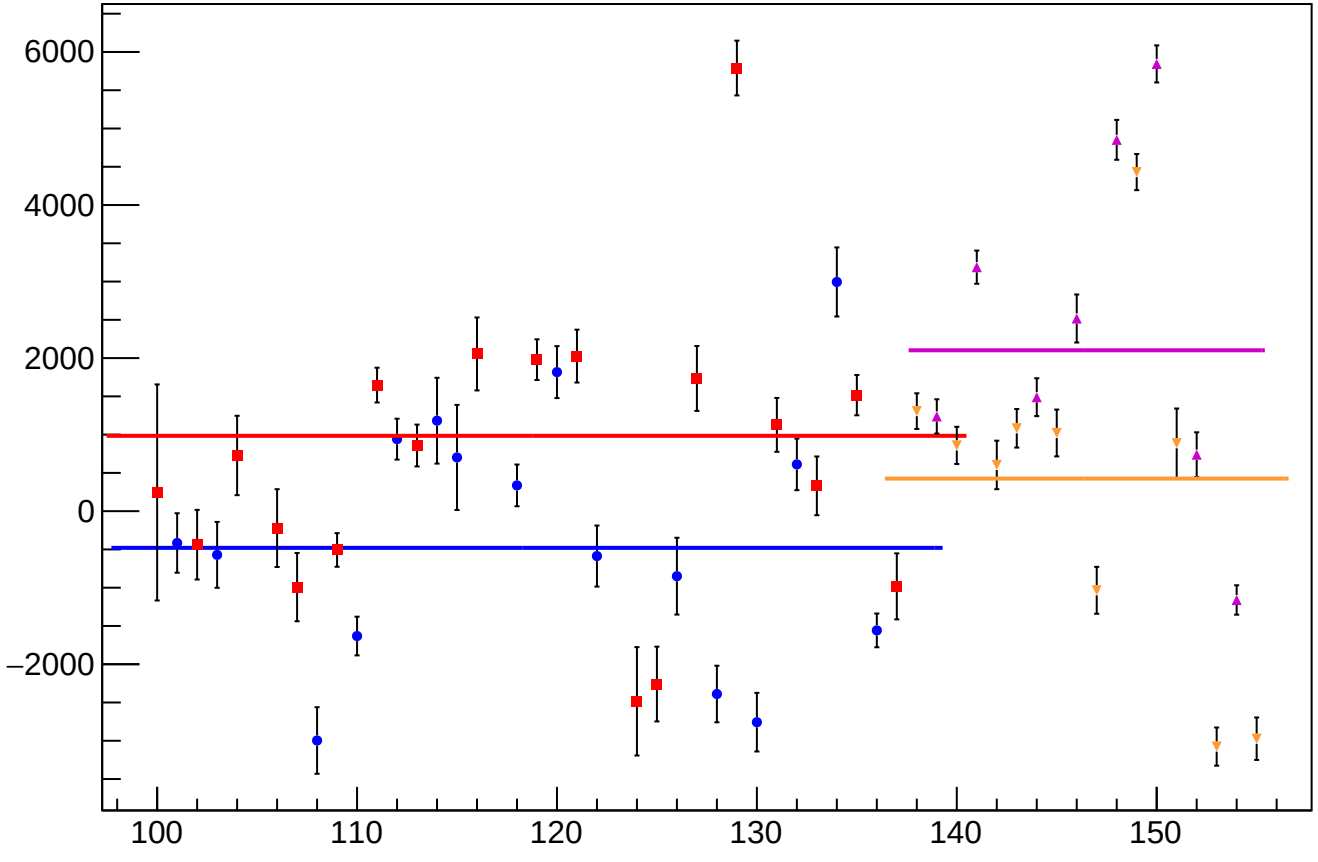
Left In: 194.680+/-0.055 χ^2/NDF:386025.1/7

+ sign 204.444+/-0.039 χ^2/NDF: 1587528.0/25

All: 194.048+/-0.027 χ^2/NDF: 3524433.1/52

- sign 184.943+/-0.036 χ^2/NDF: 1802898.1/26

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 426.086+/-86.315 χ^2/NDF:687.3/9

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

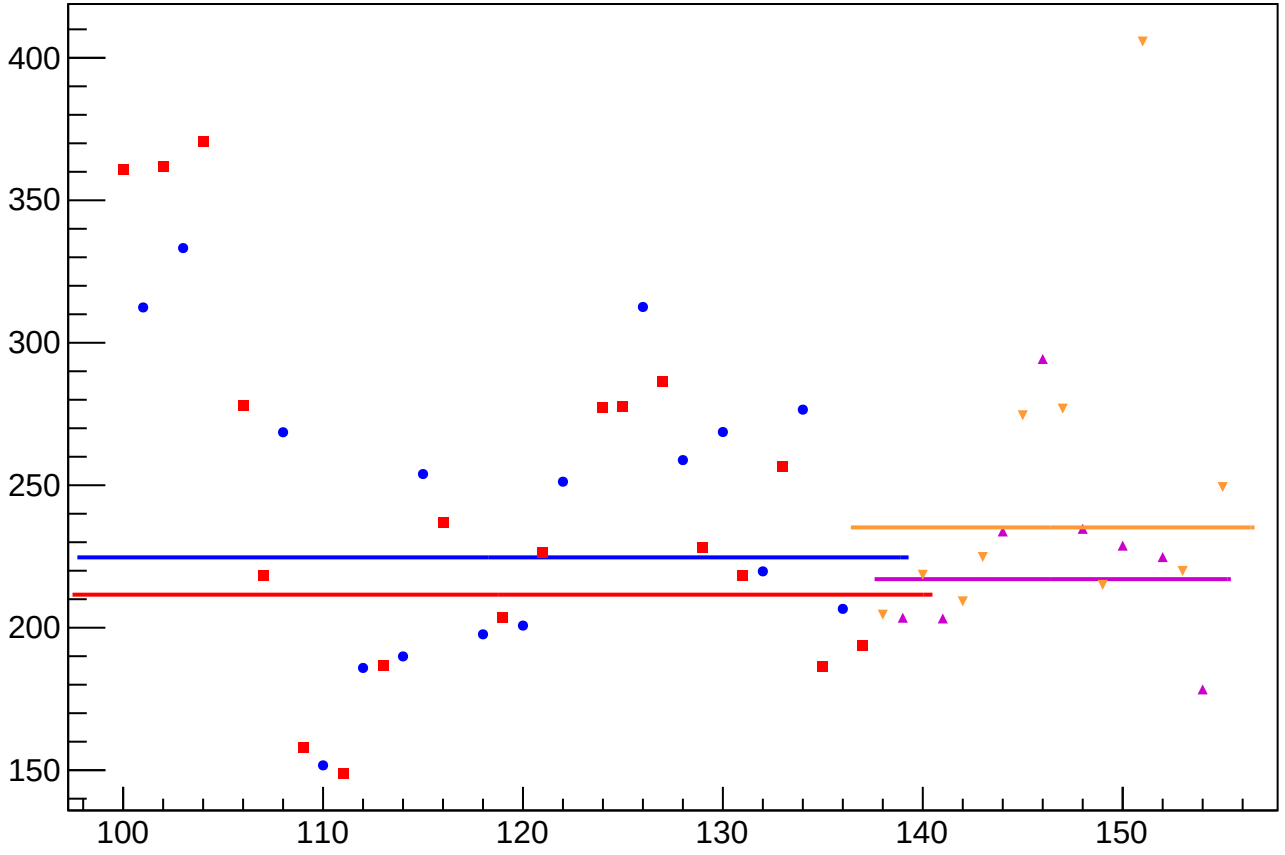
Left In: 2101.997+/-85.033 χ^2/NDF:707.6/7

+ sign -24.671+/-61.164 χ^2/NDF: 1047.5/25

All: 778.128+/-42.325 χ^2/NDF: 2574.4/52

- sign 1515.746+/-58.629 χ^2/NDF: 1196.4/26

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.197+/-0.061 χ^2/NDF:440435.6/9

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

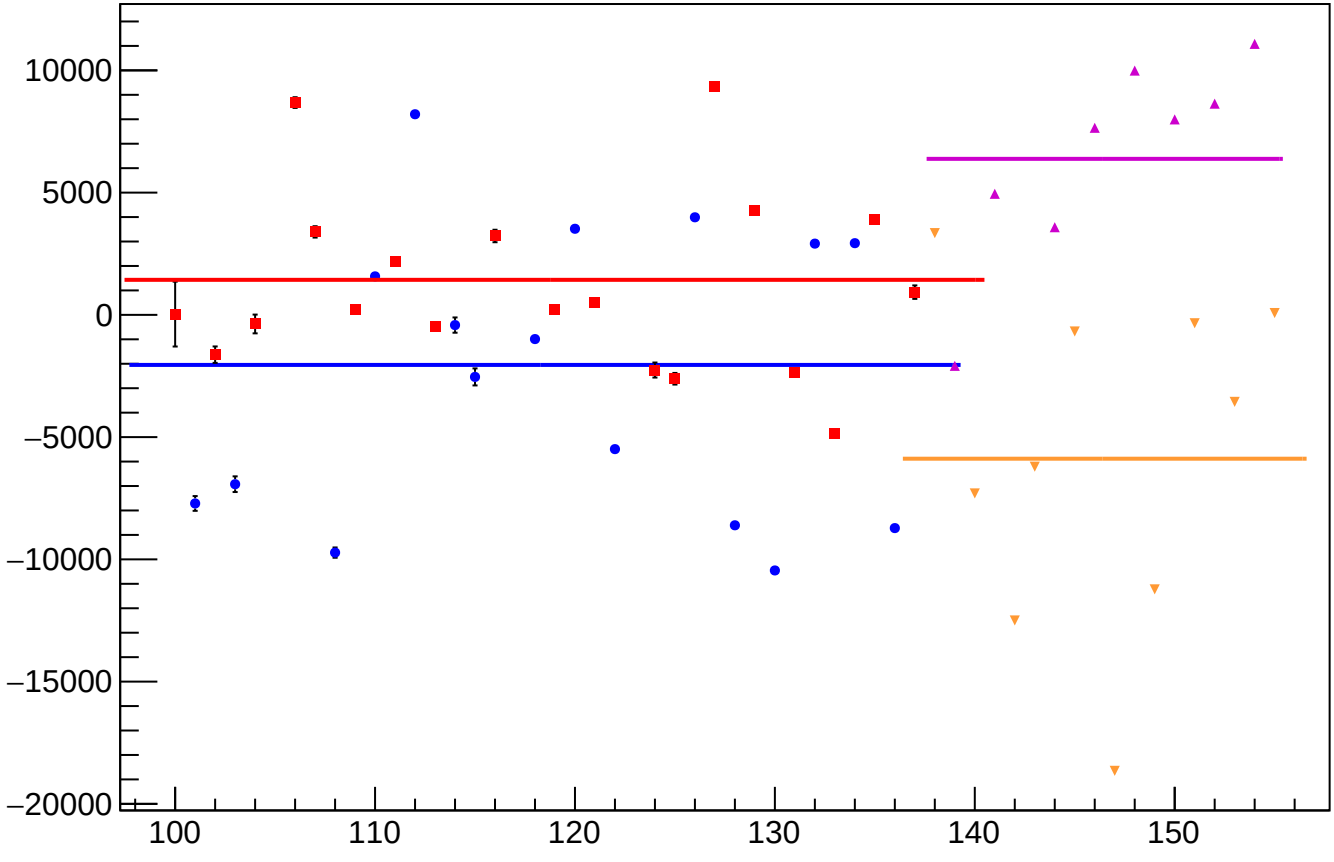
Left In: 217.041+/-0.060 χ^2/NDF:242203.9/7

+ sign 229.962+/-0.043 χ^2/NDF: 1108403.3/25

All: 221.739+/-0.030 χ^2/NDF: 2357174.2/52

- sign 214.184+/-0.041 χ^2/NDF: 1179411.1/26

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5882.971+/-41.094 χ^2/NDF:25581.6/9

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

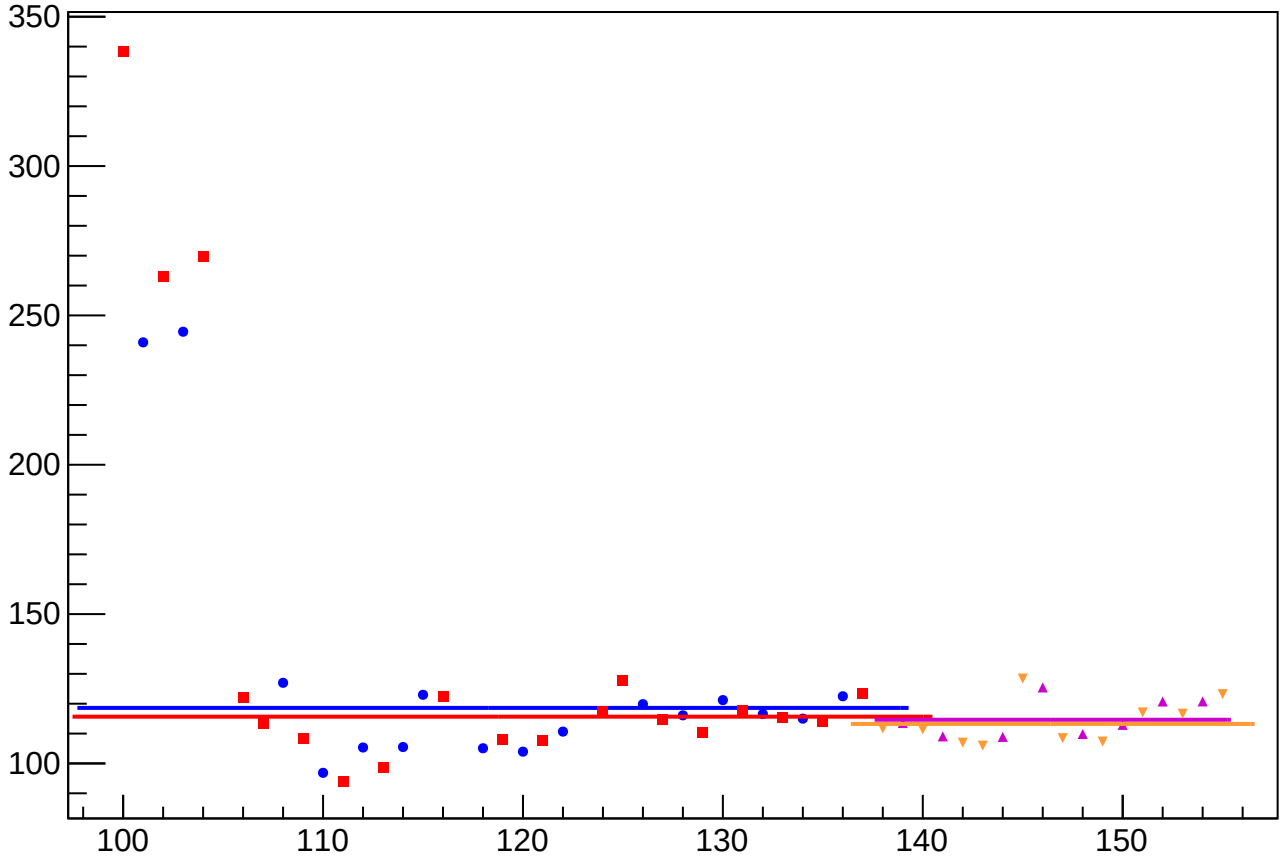
Left In: 6381.011+/-43.932 χ^2/NDF:7948.7/7

+ sign -4209.949+/-30.857 χ^2/NDF: 46090.8/25

All: -193.041+/-21.989 χ^2/NDF: 101087.9/52

- sign 3951.422+/-31.343 χ^2/NDF: 20565.3/26

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 113.225+/-0.029 χ^2/NDF:54941.0/9

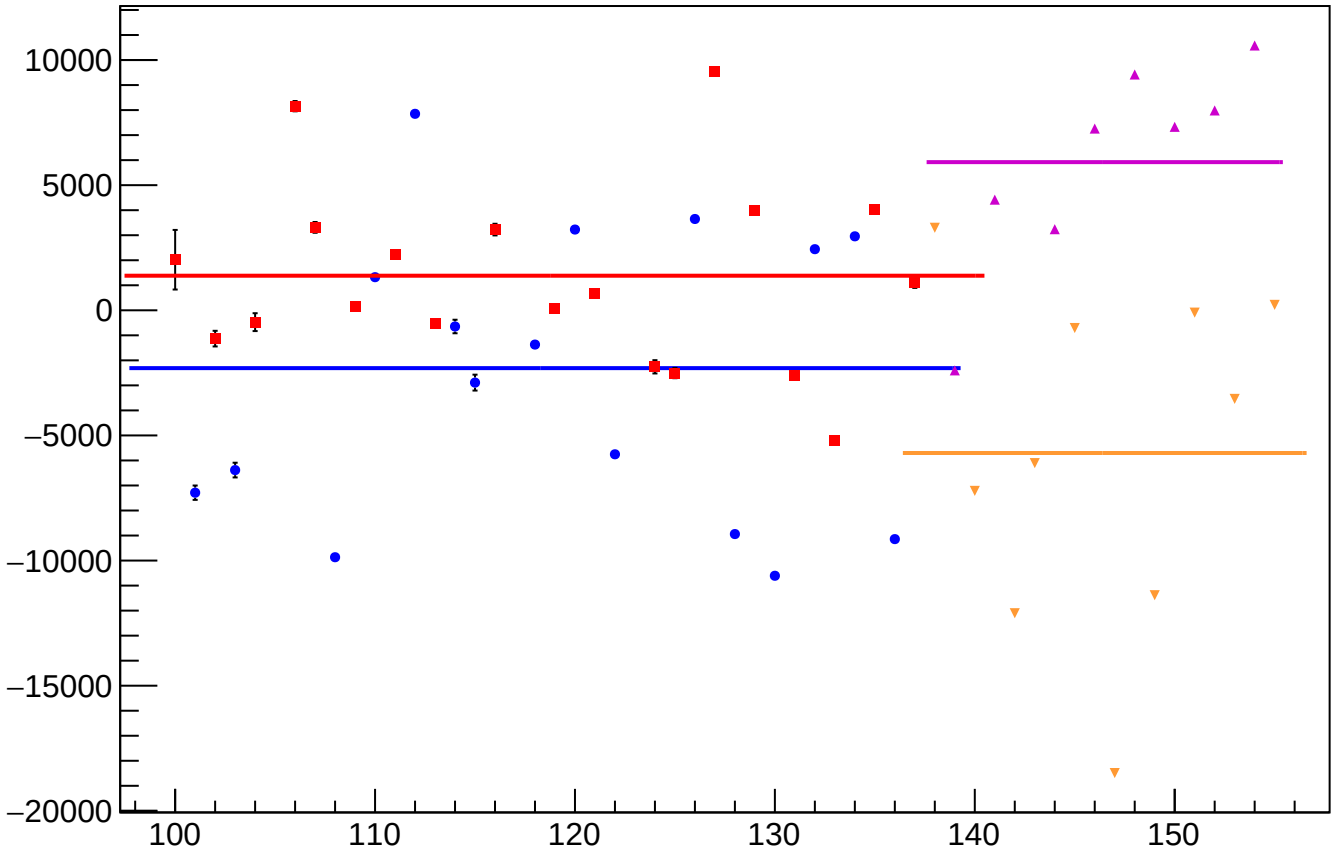
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 114.625+/-0.031 χ^2/NDF:34818.4/7

+ sign 115.568+/-0.022 χ^2/NDF: 804000.6/25

All: 115.354+/-0.016 χ^2/NDF: 1703765.1/52

- sign 115.133+/-0.022 χ^2/NDF: 899569.3/26



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -5701.735+/-37.158 χ^2/NDF:30783.6/9

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

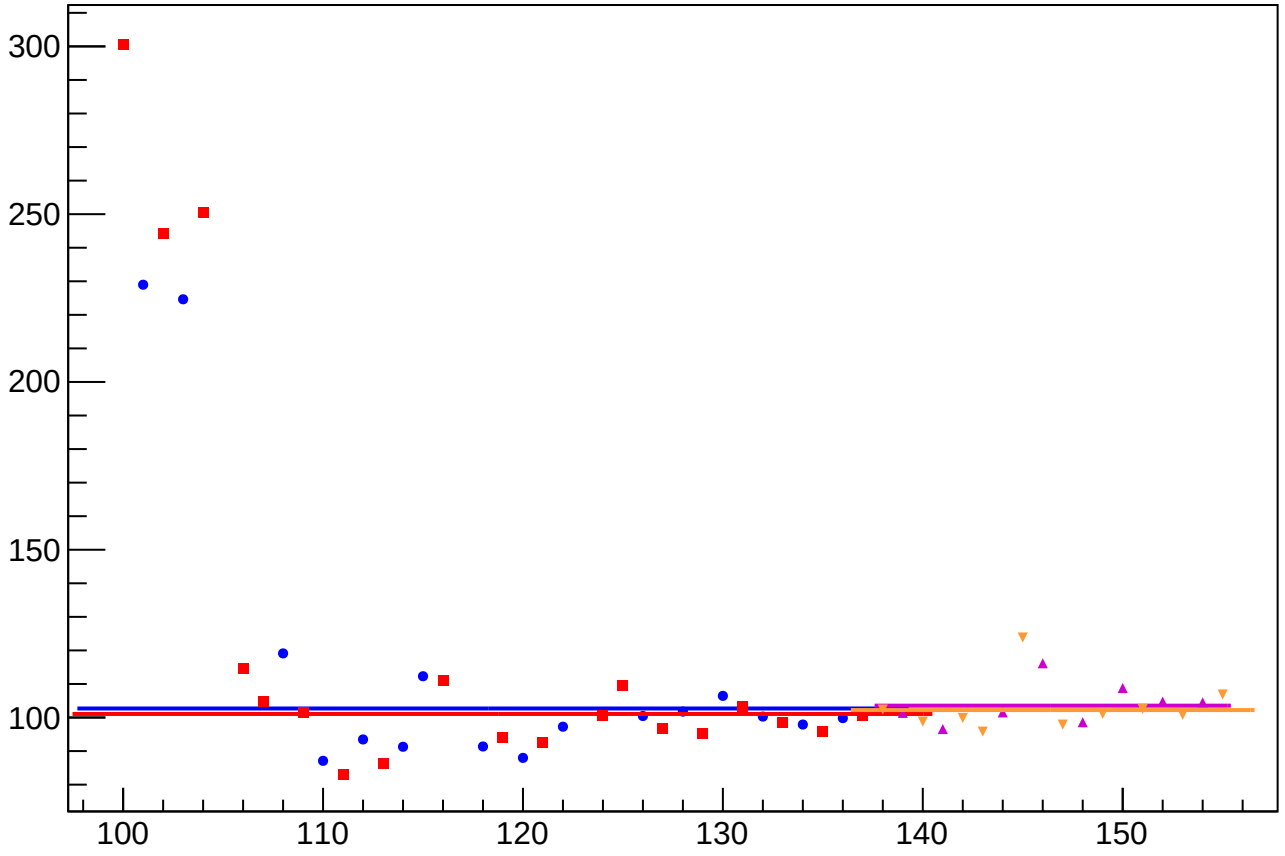
Left In: 5920.470+/-39.729 χ^2/NDF:9531.0/7

+ sign -4161.555+/-27.452 χ^2/NDF: 56246.0/25

All: -336.927+/-19.587 χ^2/NDF: 120482.4/52

- sign 3629.094+/-27.955 χ^2/NDF: 24698.2/26

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 102.221+/-0.026 χ^2/NDF:63912.3/9

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

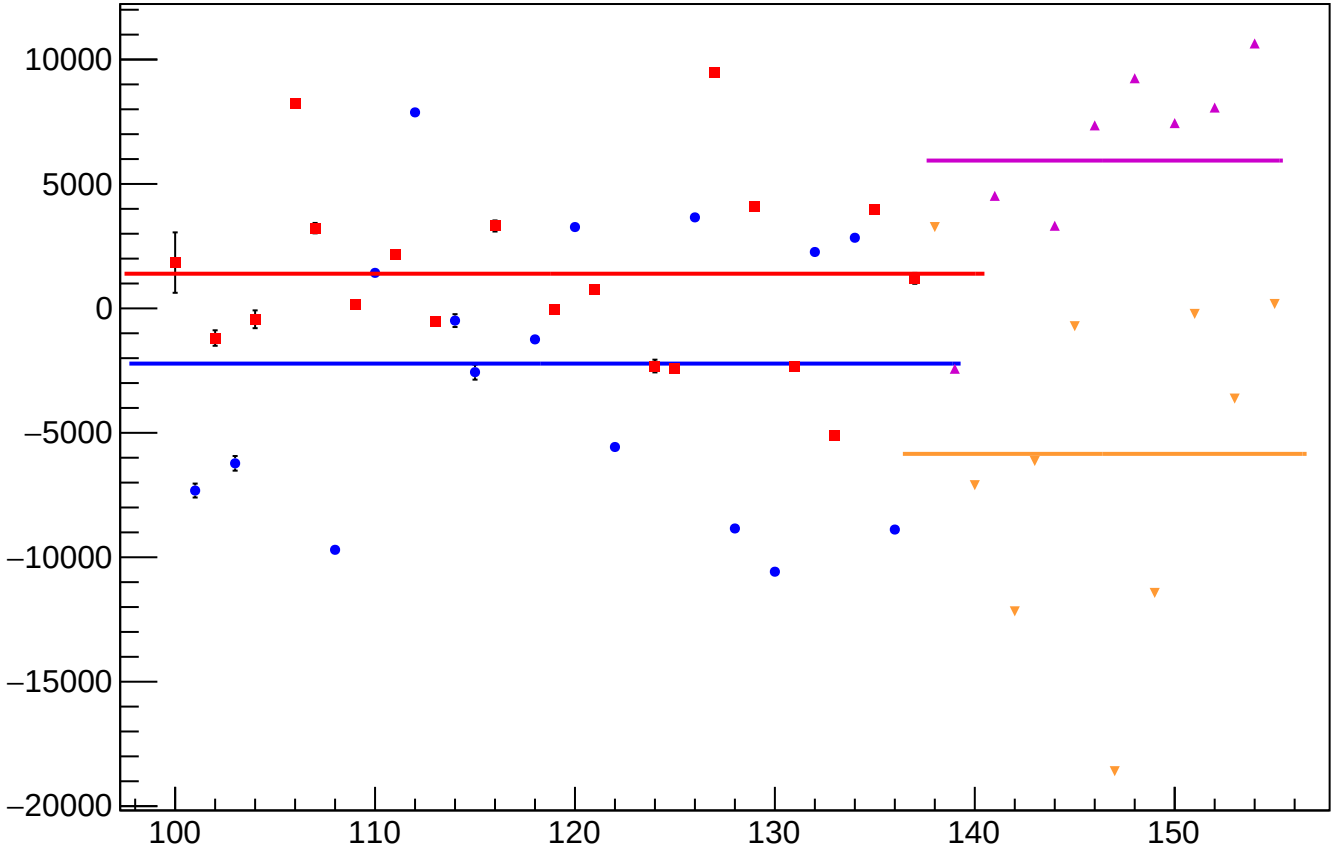
Left In: 103.538+/-0.028 χ^2/NDF:39616.5/7

+ sign 102.436+/-0.019 χ^2/NDF: 889861.0/25

All: 102.363+/-0.014 χ^2/NDF: 1863880.6/52

- sign 102.288+/-0.020 χ^2/NDF: 973991.4/26

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -5845.255+/-36.165 χ^2/NDF:33283.5/9

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

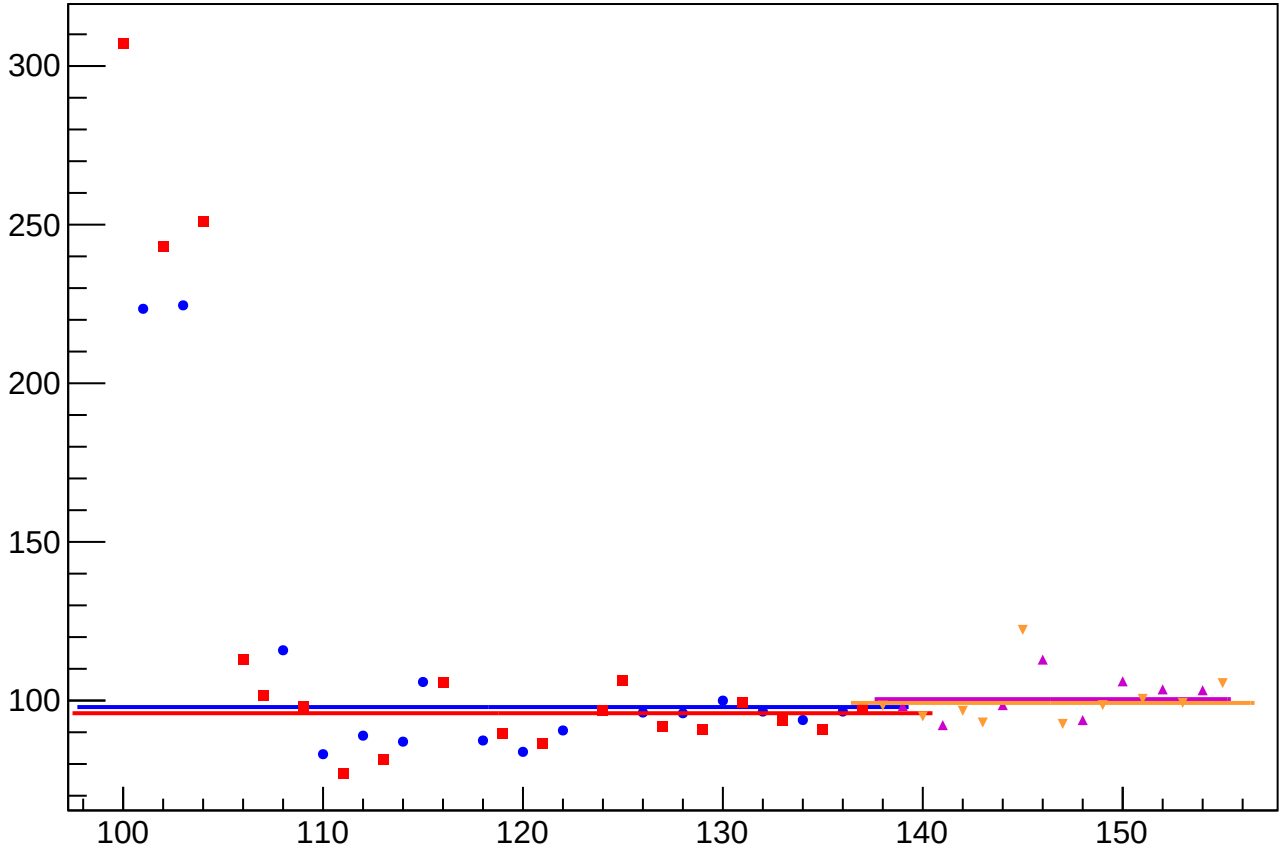
Left In: 5940.058+/-38.641 χ^2/NDF:10050.6/7

+ sign -4170.075+/-26.530 χ^2/NDF: 60970.1/25

All: -342.923+/-18.903 χ^2/NDF: 129555.8/52

- sign 3603.492+/-26.940 χ^2/NDF: 26317.3/26

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 99.248+/-0.026 χ^2/NDF:80110.1/9

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

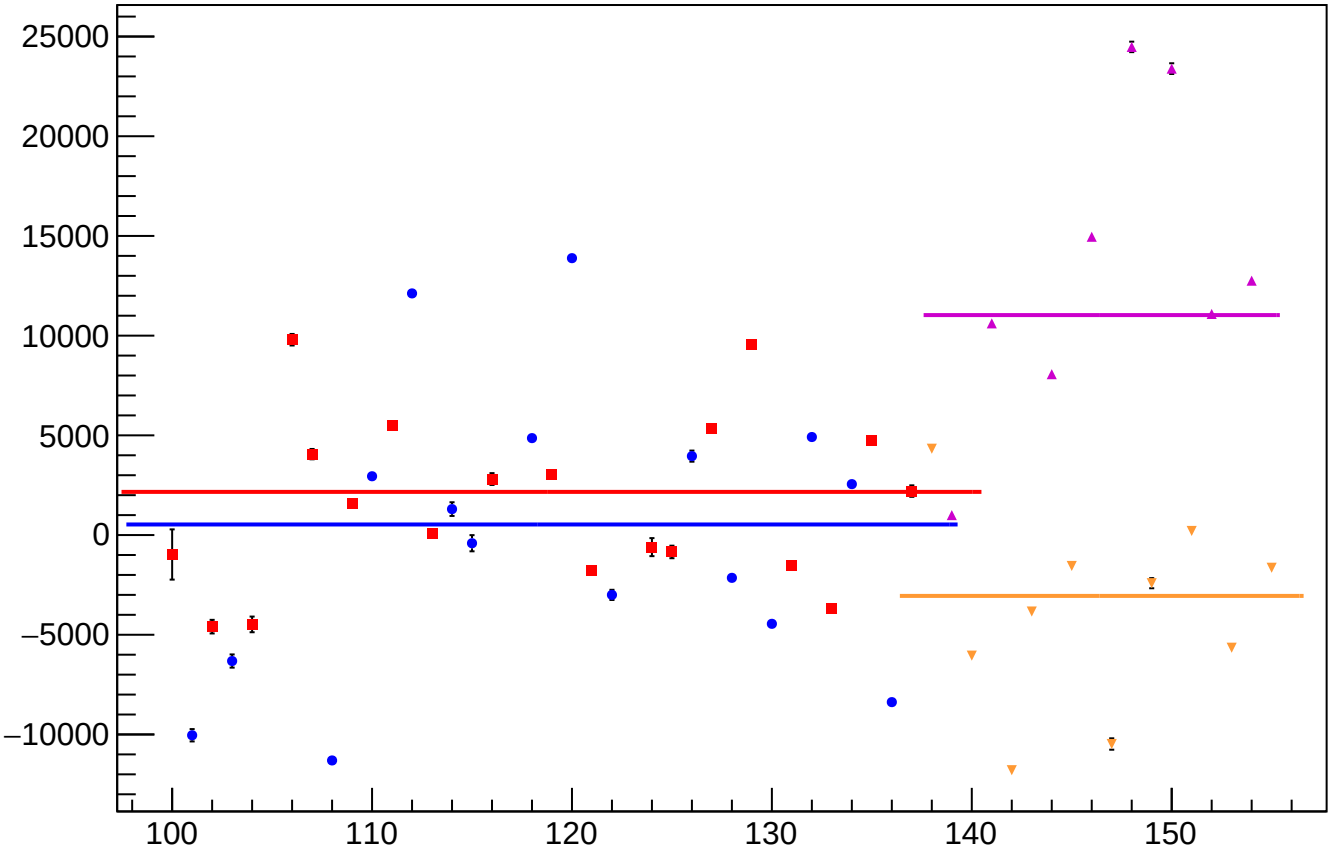
Left In: 100.441+/-0.027 χ^2/NDF:51746.6/7

+ sign 98.646+/-0.019 χ^2/NDF: 949460.7/25

All: 98.407+/-0.013 χ^2/NDF: 2027373.1/52

- sign 98.161+/-0.019 χ^2/NDF: 1077584.0/26

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3051.405+/-57.032 χ^2/NDF:5507.1/9

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

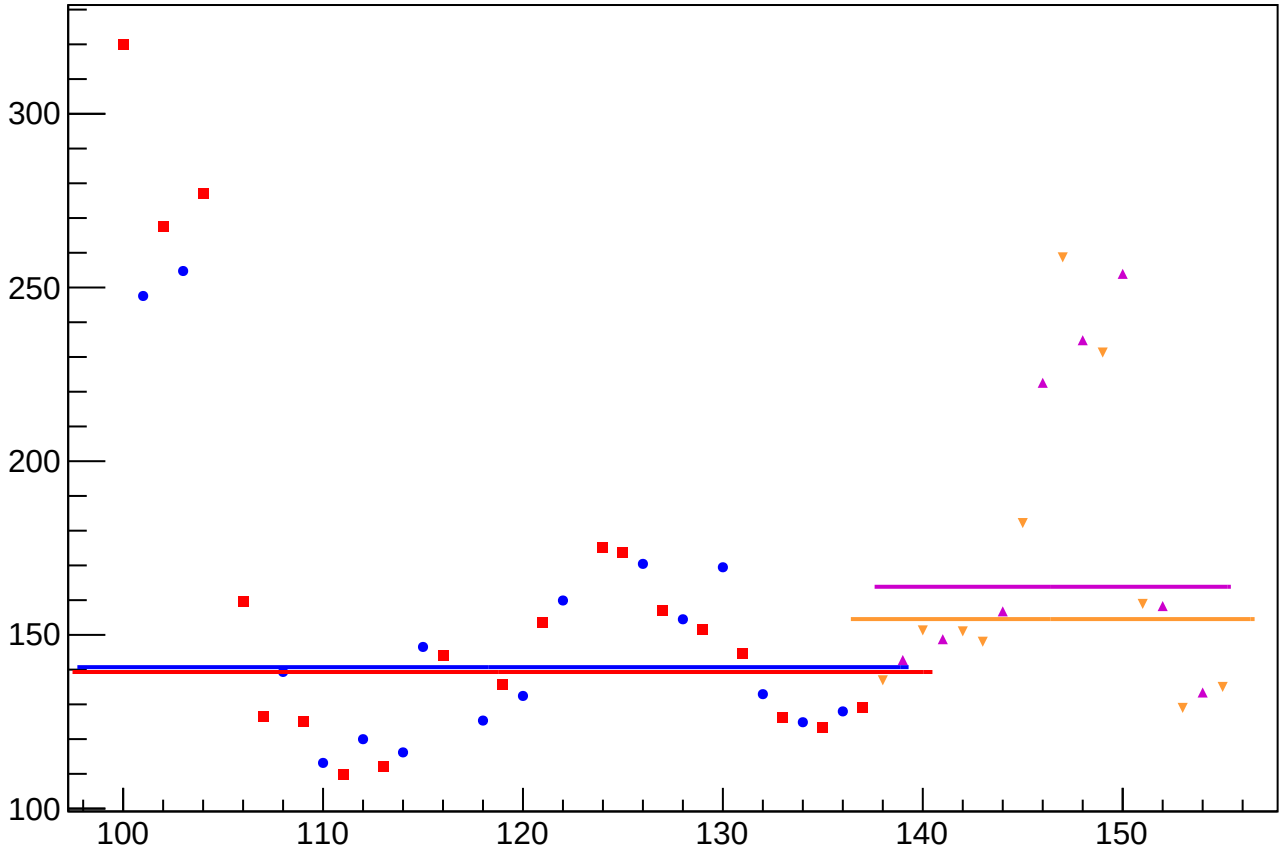
Left In: 11030.969+/-64.265 χ^2/NDF:9509.3/7

+ sign -1190.734+/-39.536 χ^2/NDF: 26143.7/25

All: 2164.876+/-28.492 χ^2/NDF: 66857.7/52

- sign 5790.917+/-41.098 χ^2/NDF: 25725.5/26

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 154.552+/-0.040 χ^2/NDF:614600.8/9

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

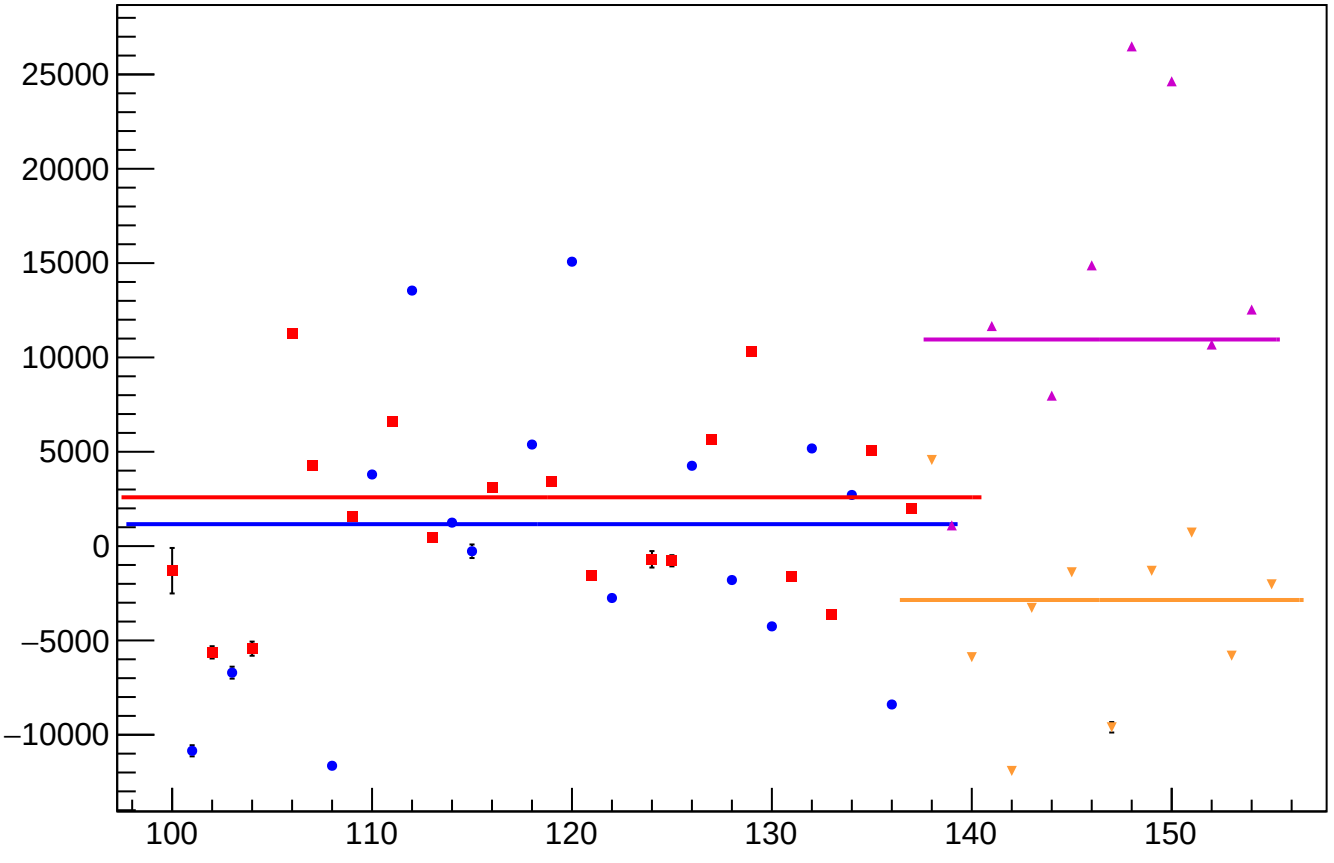
Left In: 163.854+/-0.045 χ^2/NDF:644613.2/7

+ sign 147.364+/-0.028 χ^2/NDF: 1351369.9/25

All: 148.320+/-0.020 χ^2/NDF: 2973052.3/52

- sign 149.352+/-0.029 χ^2/NDF: 1619252.7/26

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2856.227+/-50.375 χ^2/NDF:7263.2/9

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

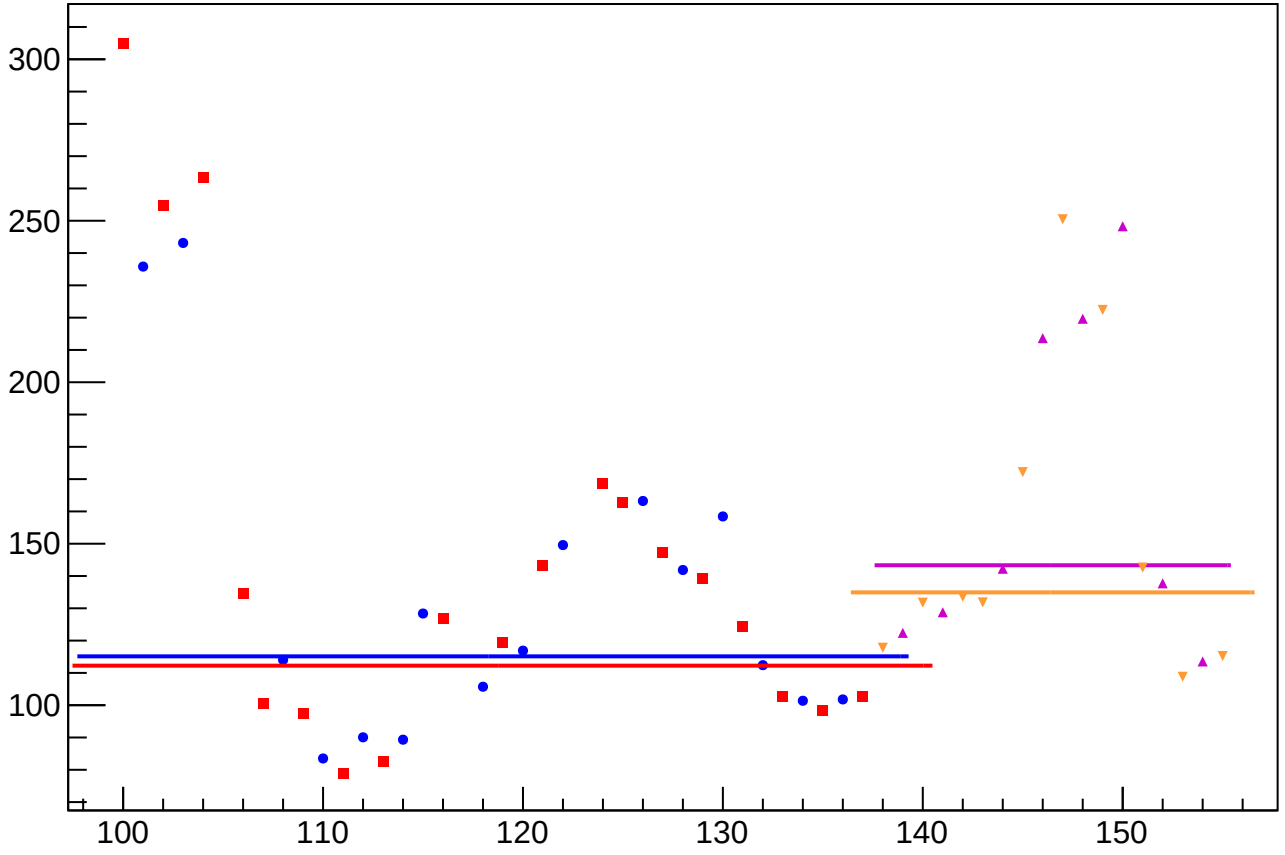
Left In: 10951.030+/-57.063 χ^2/NDF:12763.1/7

+ sign -661.503+/-33.940 χ^2/NDF: 41493.6/25

All: 2437.807+/-24.356 χ^2/NDF: 92963.7/52

- sign 5728.252+/-34.971 χ^2/NDF: 34278.5/26

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 134.932+/-0.036 χ^2/NDF:859217.1/9

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

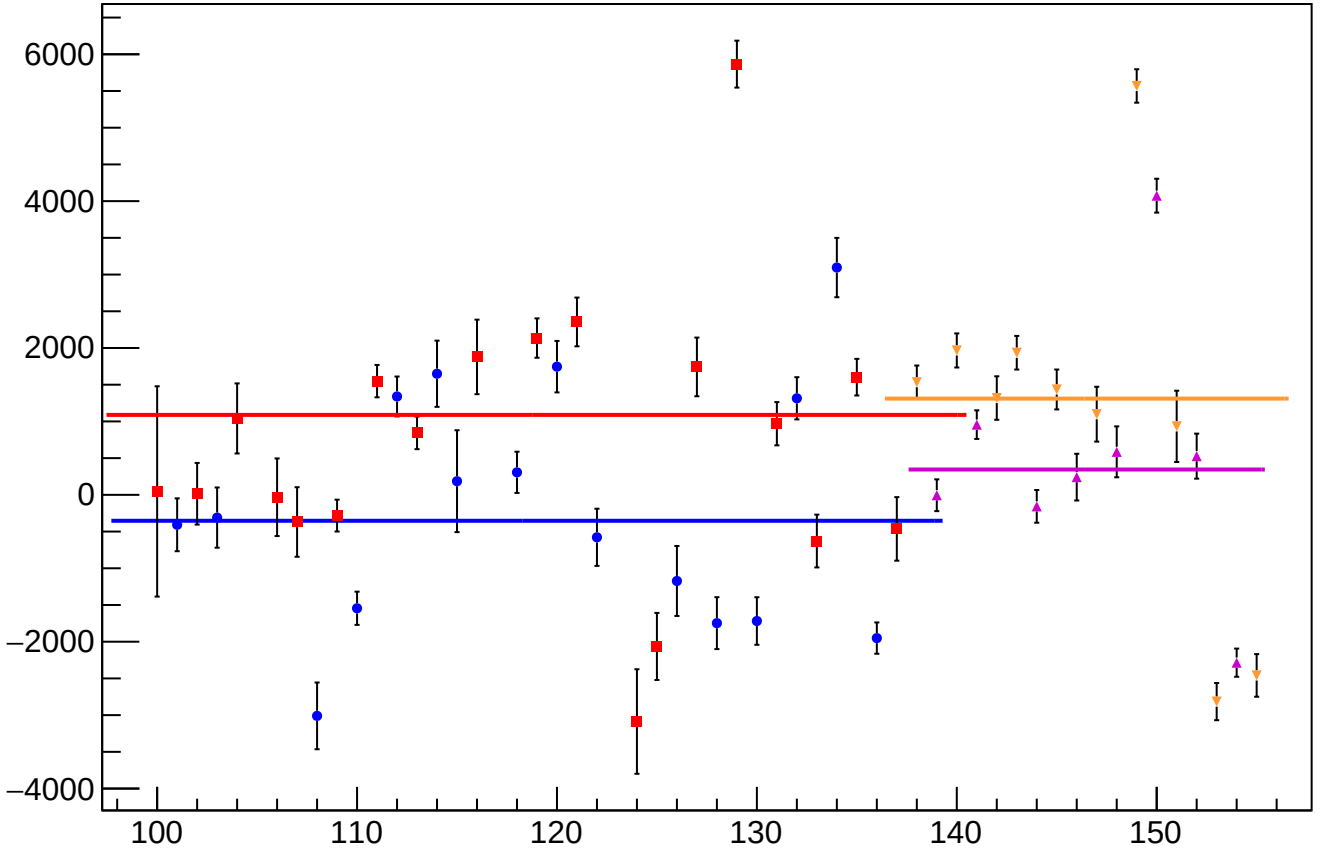
Left In: 143.333+/-0.040 χ^2/NDF:892468.6/7

+ sign 124.117+/-0.024 χ^2/NDF: 2141042.0/25

All: 124.021+/-0.017 χ^2/NDF: 4732442.1/52

- sign 123.919+/-0.025 χ^2/NDF: 2591367.2/26

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1310.857+/-84.470 χ^2/NDF:801.2/9

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

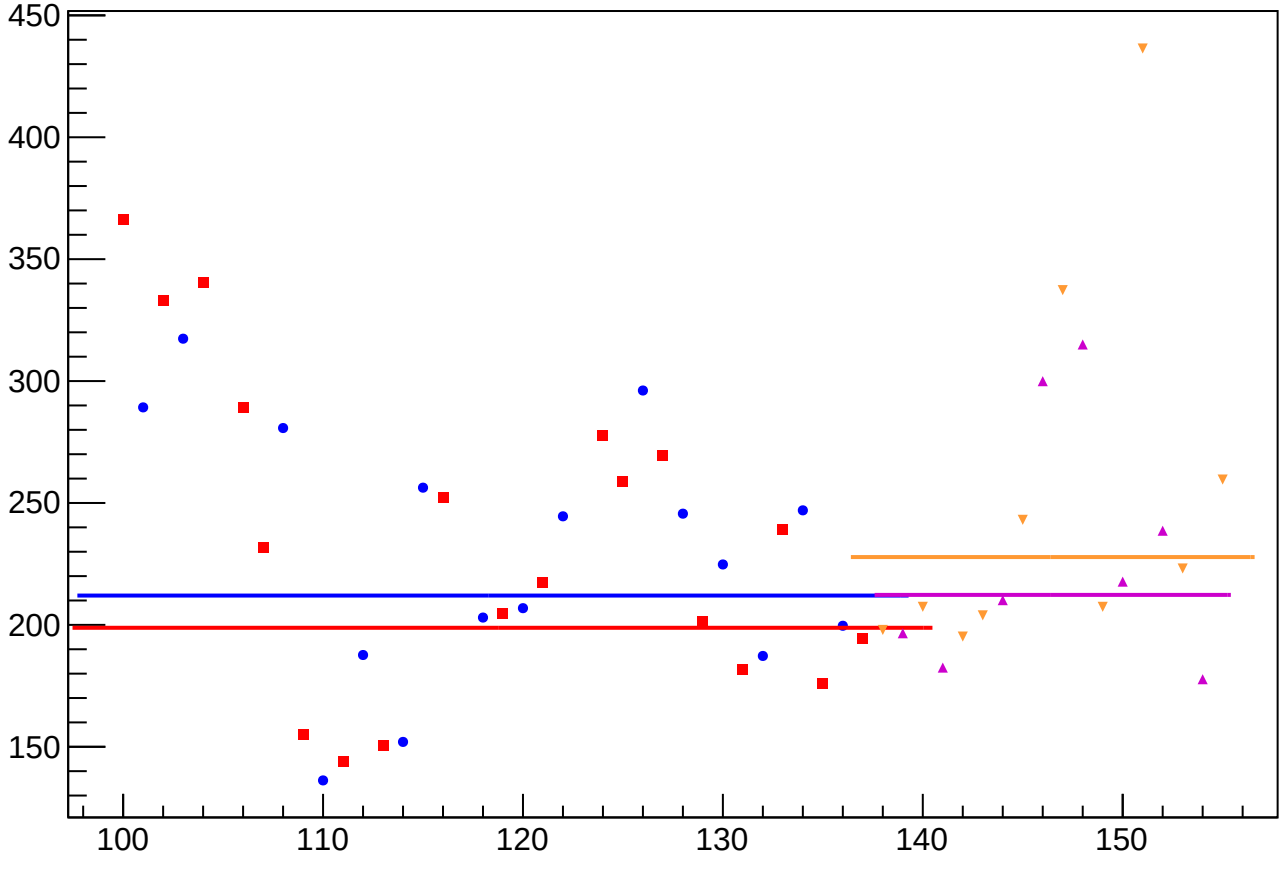
Left In: 344.986+/-83.732 χ^2/NDF:468.1/7

+ sign 455.552+/-58.887 χ^2/NDF: 1362.5/25

All: 609.315+/-40.752 χ^2/NDF: 2333.9/52

- sign 750.640+/-56.455 χ^2/NDF: 958.3/26

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 227.815+/-0.060 χ^2/NDF:684262.9/9

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

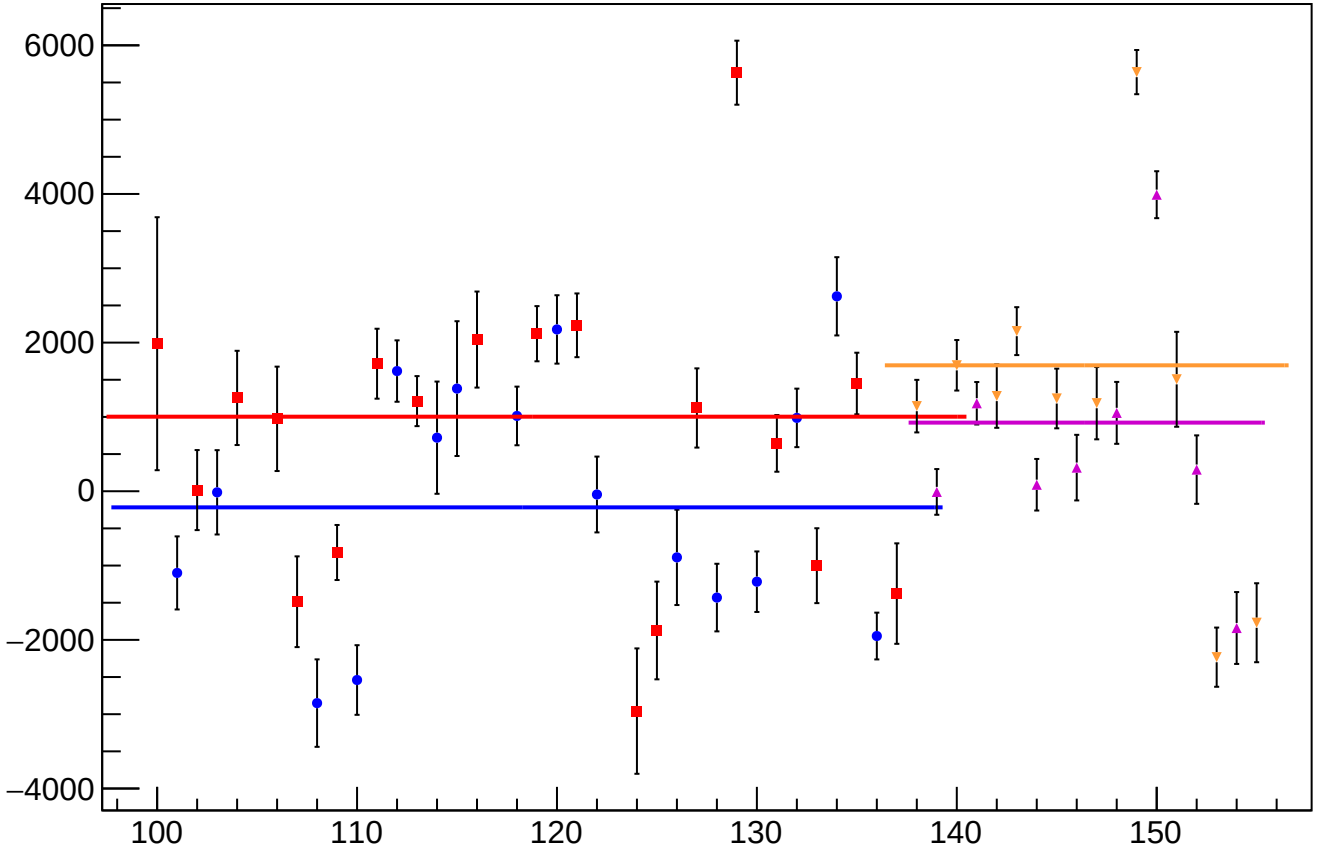
Left In: 212.298+/-0.059 χ^2/NDF:465883.5/7

+ sign 219.700+/-0.042 χ^2/NDF: 1410533.8/25

All: 212.010+/-0.029 χ^2/NDF: 2945118.9/52

- sign 204.941+/-0.040 χ^2/NDF: 1469121.1/26

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1694.304+/-123.288 χ^2/NDF:323.6/9

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

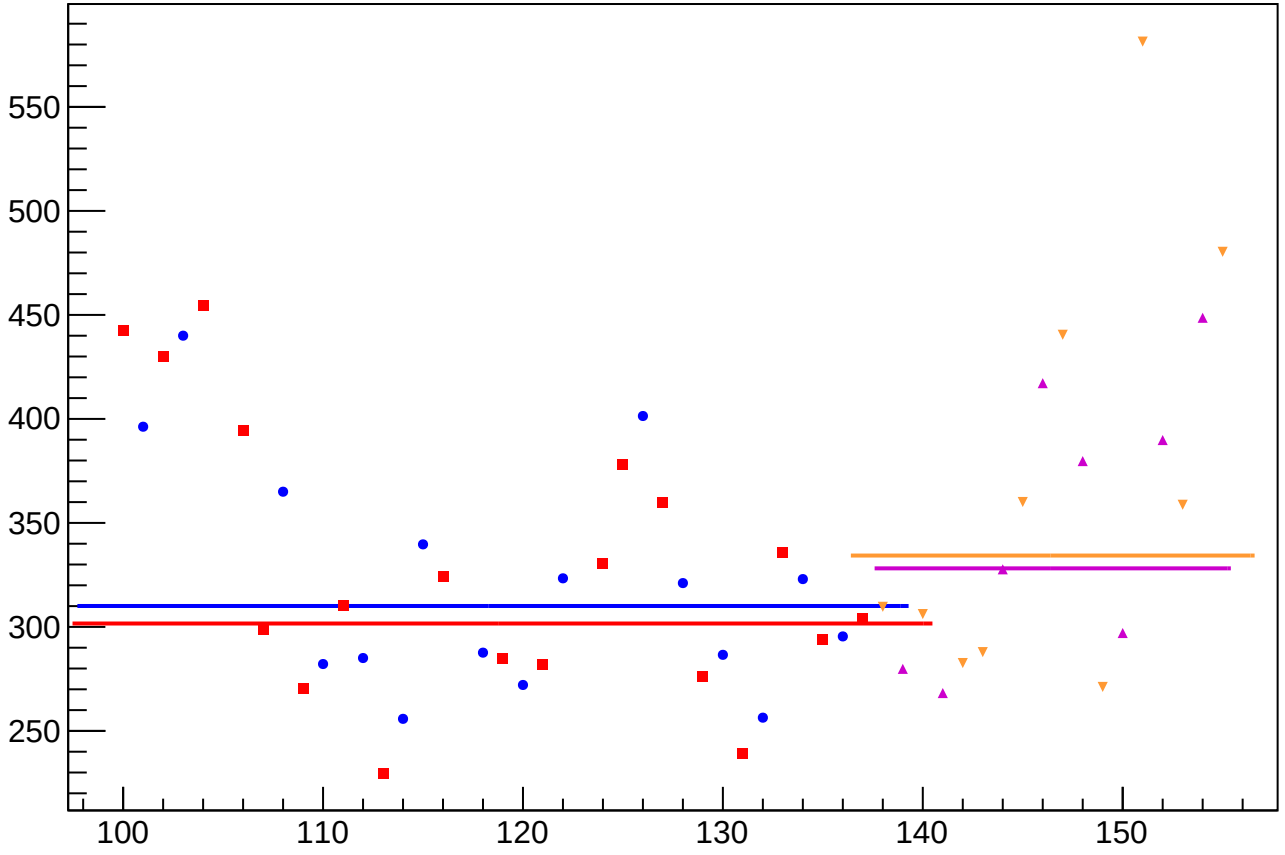
Left In: 923.220+/-128.001 χ^2/NDF:146.6/7

+ sign 695.902+/-85.204 χ^2/NDF: 641.3/25

All: 832.686+/-60.090 χ^2/NDF: 1047.6/52

- sign 968.045+/-84.759 χ^2/NDF: 401.2/26

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 334.314+/-0.087 χ^2/NDF:745947.1/9

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

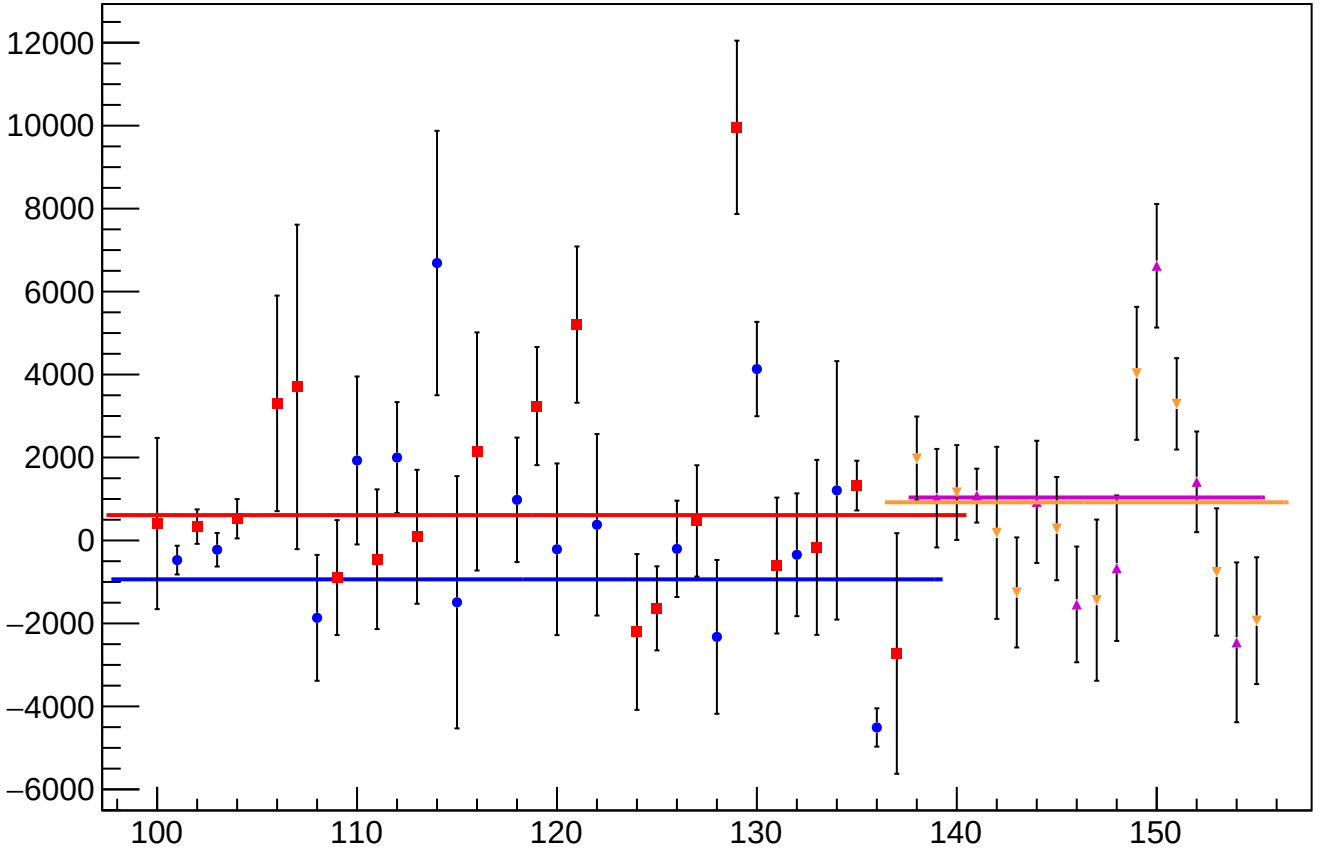
Left In: 328.152+/-0.091 χ^2/NDF:428769.5/7

+ sign 321.645+/-0.060 χ^2/NDF: 1109657.0/25

All: 317.432+/-0.042 χ^2/NDF: 2116231.6/52

- sign 313.263+/-0.060 χ^2/NDF: 996846.3/26

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 920.085+/-425.684 χ^2/NDF:18.8/9

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

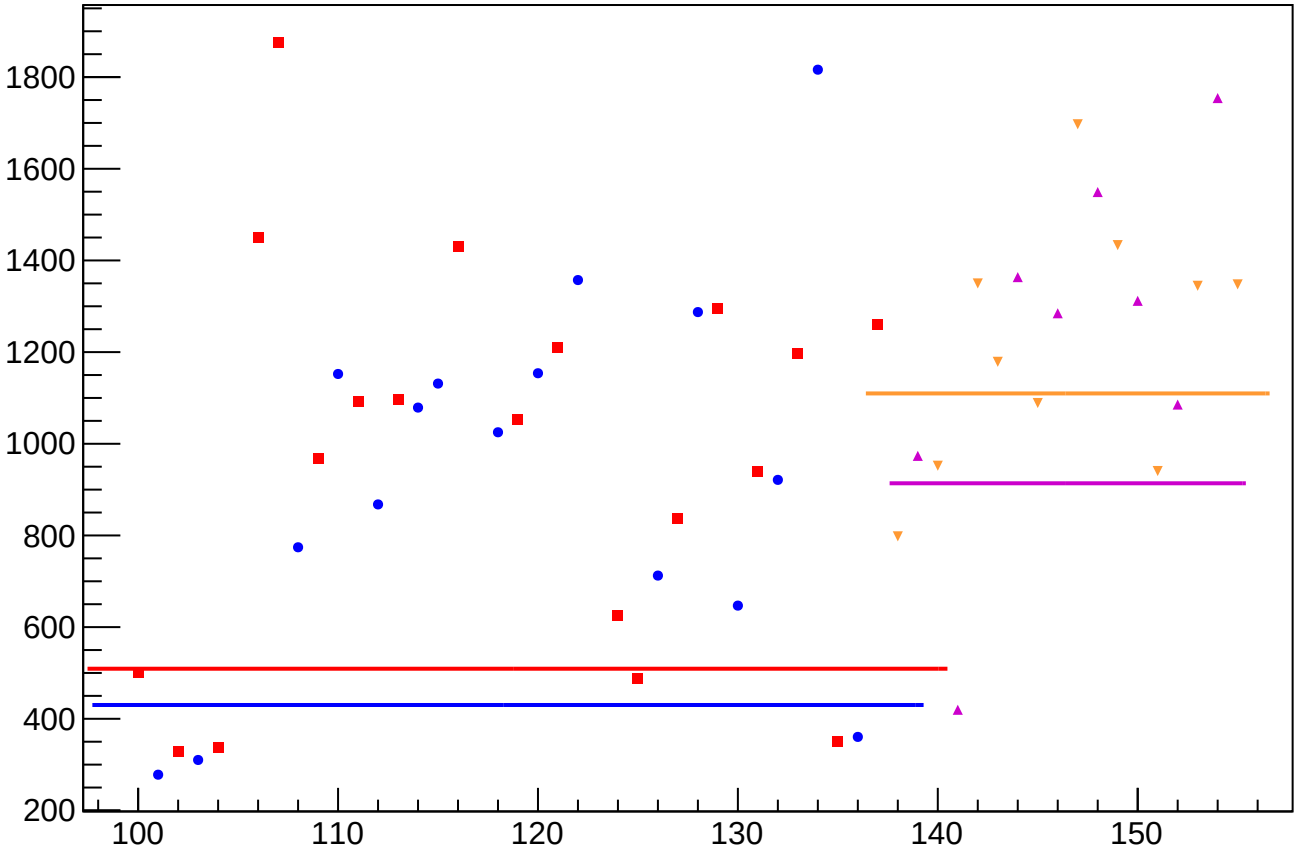
Left In: 1036.258+/-416.114 χ^2/NDF:21.8/7

+ sign -588.134+/-184.491 χ^2/NDF: 135.4/25

All: -0.777+/-136.650 χ^2/NDF: 224.6/52

- sign 713.112+/-203.395 χ^2/NDF: 66.7/26

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1109.843+/-0.301 χ^2/NDF:667388.4/9

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

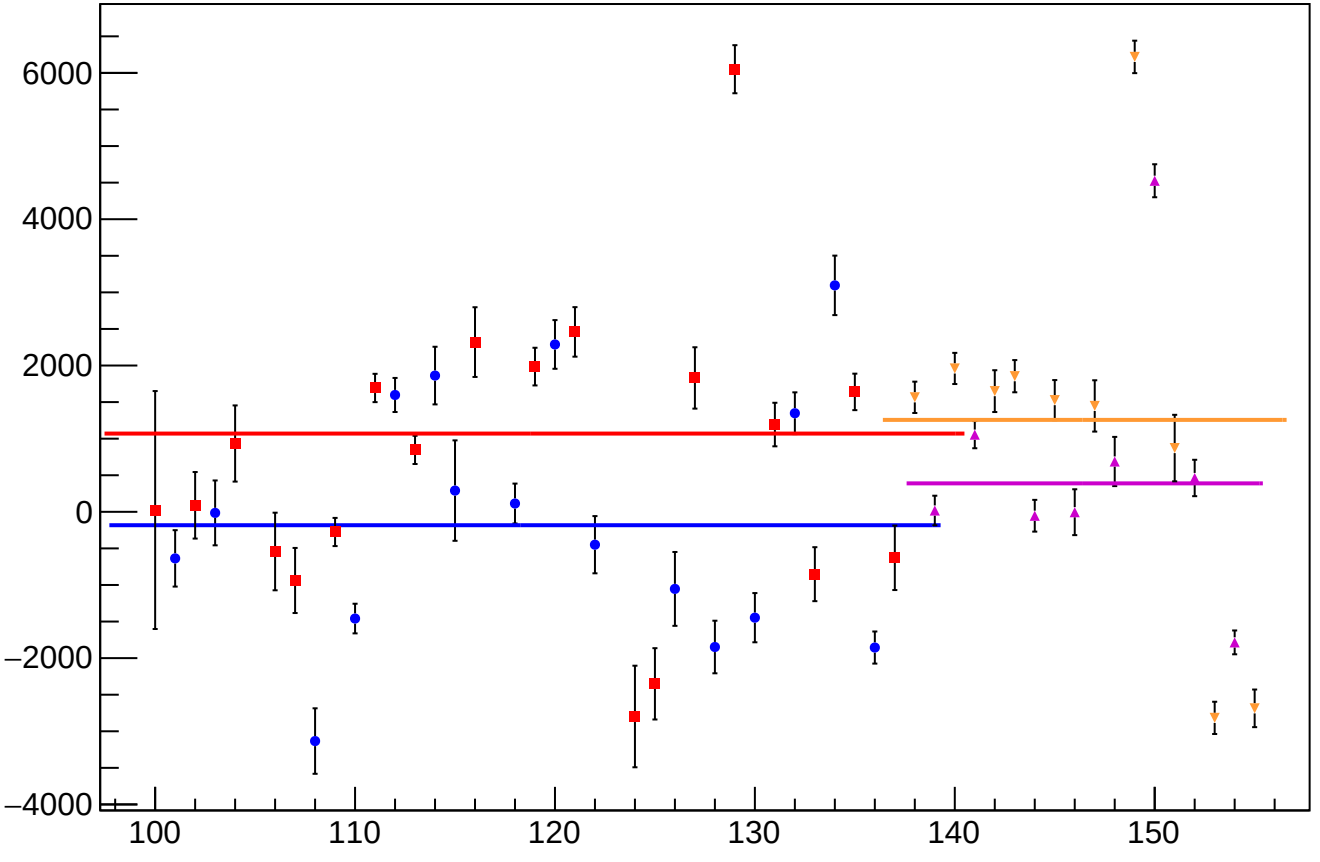
Left In: 913.820+/-0.294 χ^2/NDF:2314595.4/7

+ sign 557.788+/-0.130 χ^2/NDF: 8330921.8/25

All: 579.505+/-0.097 χ^2/NDF: 15819315.5/52

- sign 605.900+/-0.144 χ^2/NDF: 7426999.1/26

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1256.709+/-79.310 χ^2/NDF:1100.4/9

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

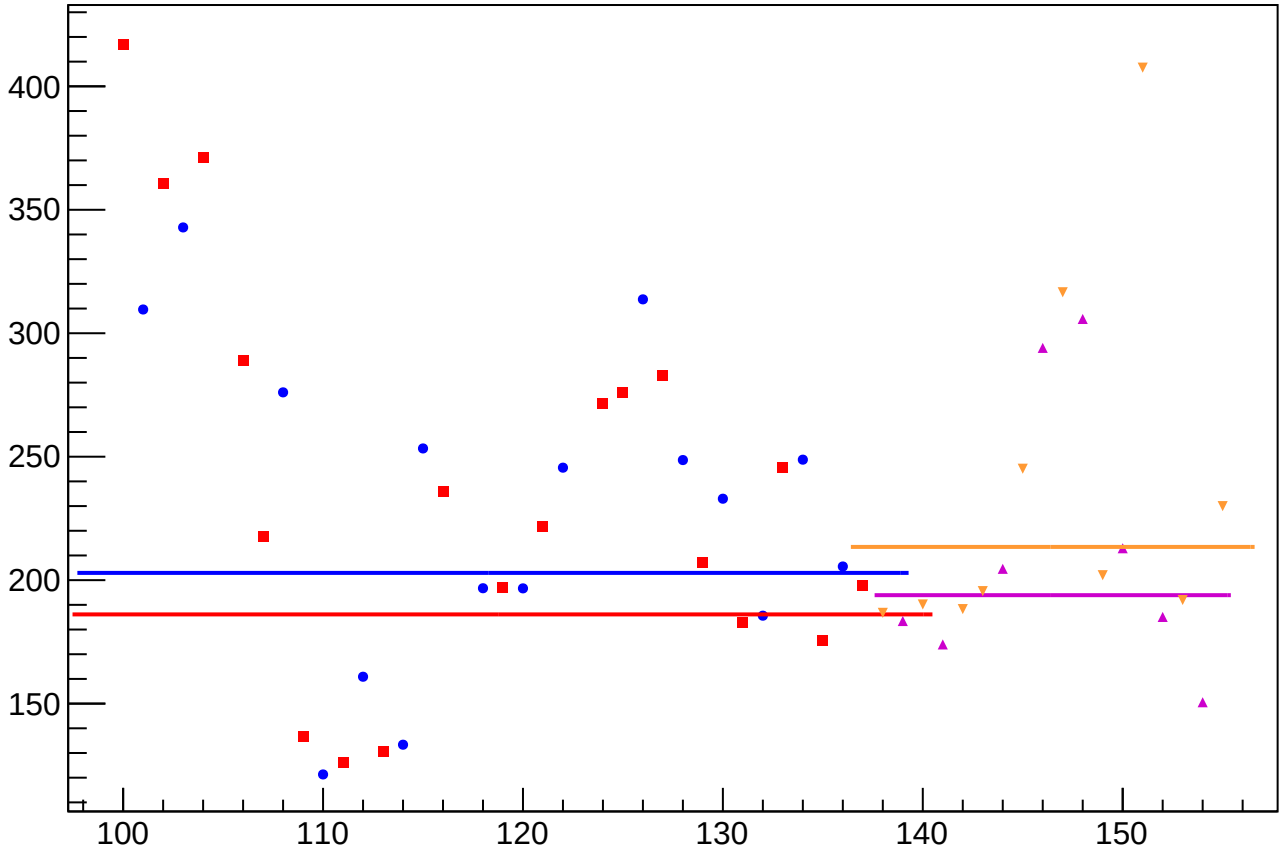
Left In: 388.975+/-77.362 χ^2/NDF:537.0/7

+ sign 541.851+/-56.275 χ^2/NDF: 1681.7/25

All: 651.297+/-38.628 χ^2/NDF: 2759.0/52

- sign 748.805+/-53.117 χ^2/NDF: 1070.2/26

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 213.462+/-0.056 χ^2/NDF:680793.2/9

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

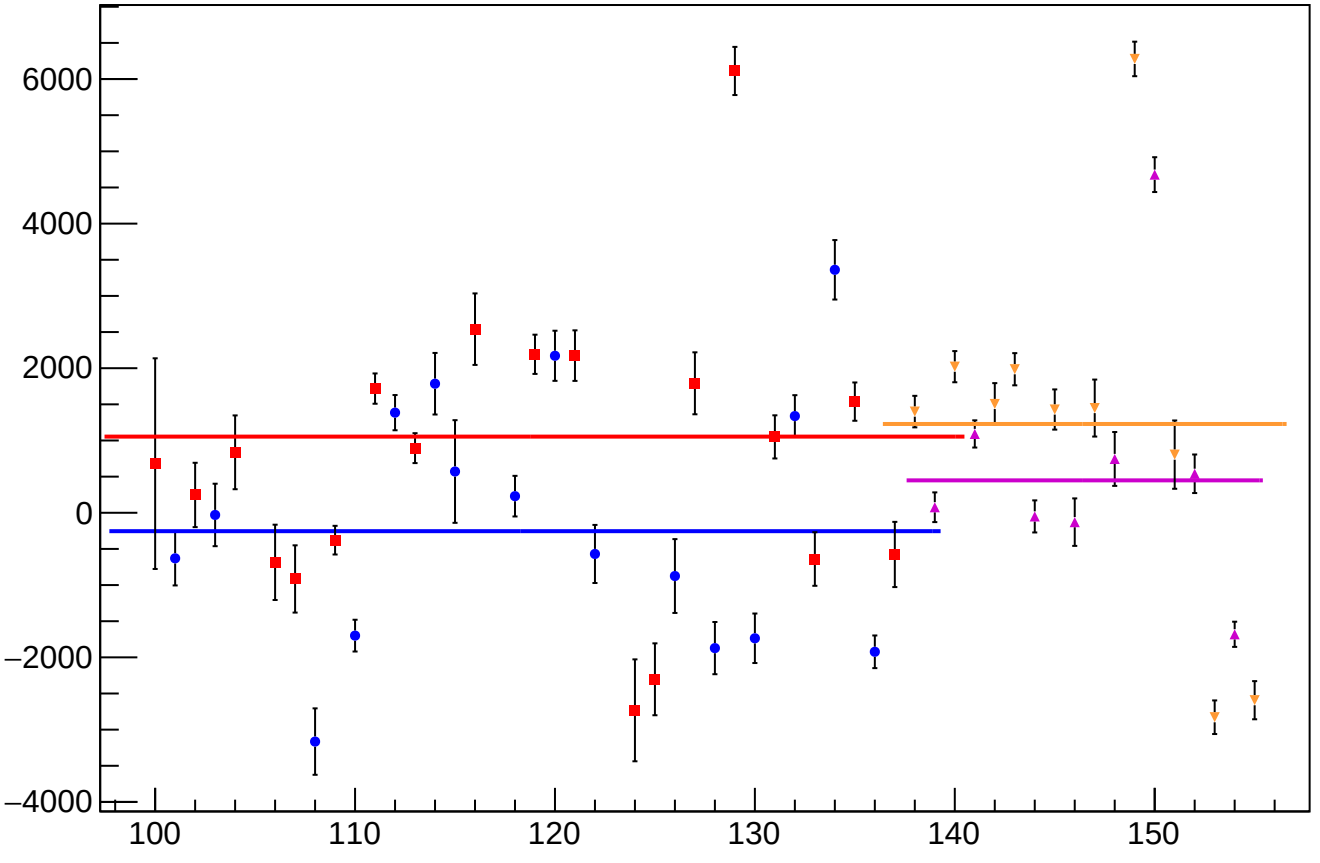
Left In: 193.918+/-0.055 χ^2/NDF:617076.8/7

+ sign 208.238+/-0.040 χ^2/NDF: 1770126.4/25

All: 198.488+/-0.027 χ^2/NDF: 3993114.9/52

- sign 189.801+/-0.038 χ^2/NDF: 2109458.1/26

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1228.455+/-81.935 χ^2/NDF:989.4/9

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

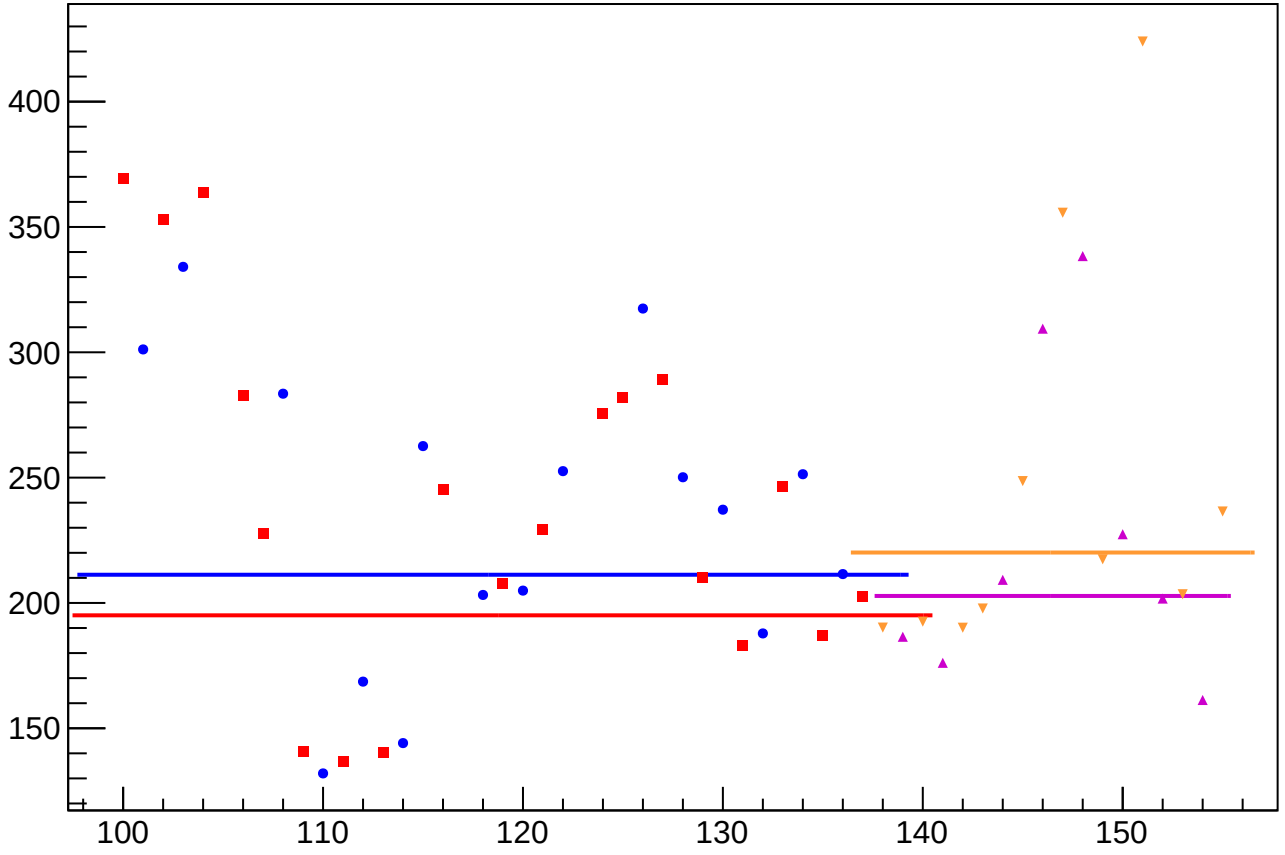
Left In: 448.407+/-80.874 χ^2/NDF:481.3/7

+ sign 491.998+/-58.132 χ^2/NDF: 1561.4/25

All: 637.746+/-40.094 χ^2/NDF: 2562.1/52

- sign 769.979+/-55.371 χ^2/NDF: 988.7/26

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.118+/-0.058 χ^2/NDF:760347.7/9

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

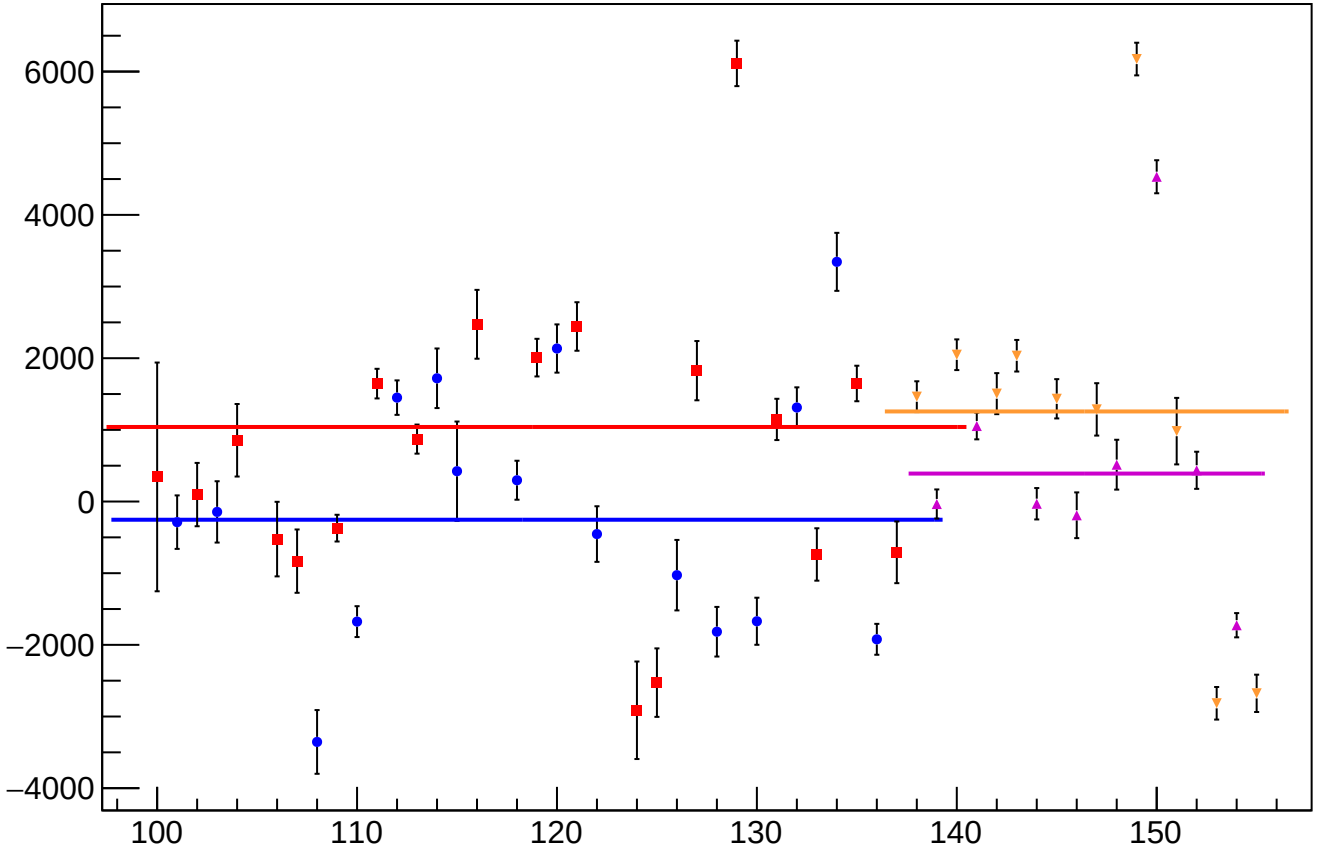
Left In: 202.793+/-0.057 χ^2/NDF:664360.8/7

+ sign 215.715+/-0.041 χ^2/NDF: 1656336.0/25

All: 206.787+/-0.028 χ^2/NDF: 3705281.7/52

- sign 198.686+/-0.039 χ^2/NDF: 1958952.2/26

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1257.019+/-80.312 χ^2/NDF:1043.2/9

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

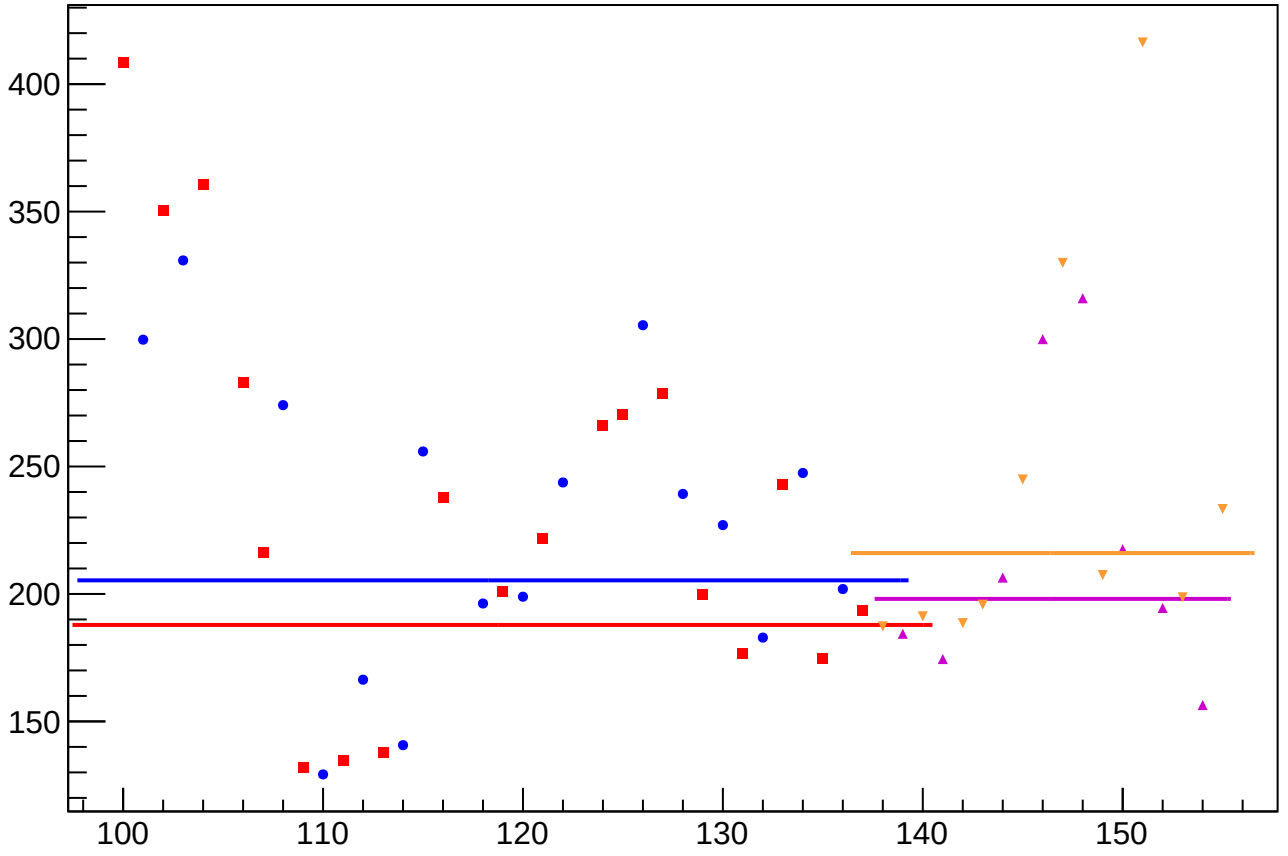
Left In: 390.131+/-78.920 χ^2/NDF:503.4/7

+ sign 500.643+/-56.758 χ^2/NDF: 1652.5/25

All: 626.311+/-39.020 χ^2/NDF: 2735.0/52

- sign 738.942+/-53.733 χ^2/NDF: 1073.2/26

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 216.054+/-0.057 χ^2/NDF:709986.2/9

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

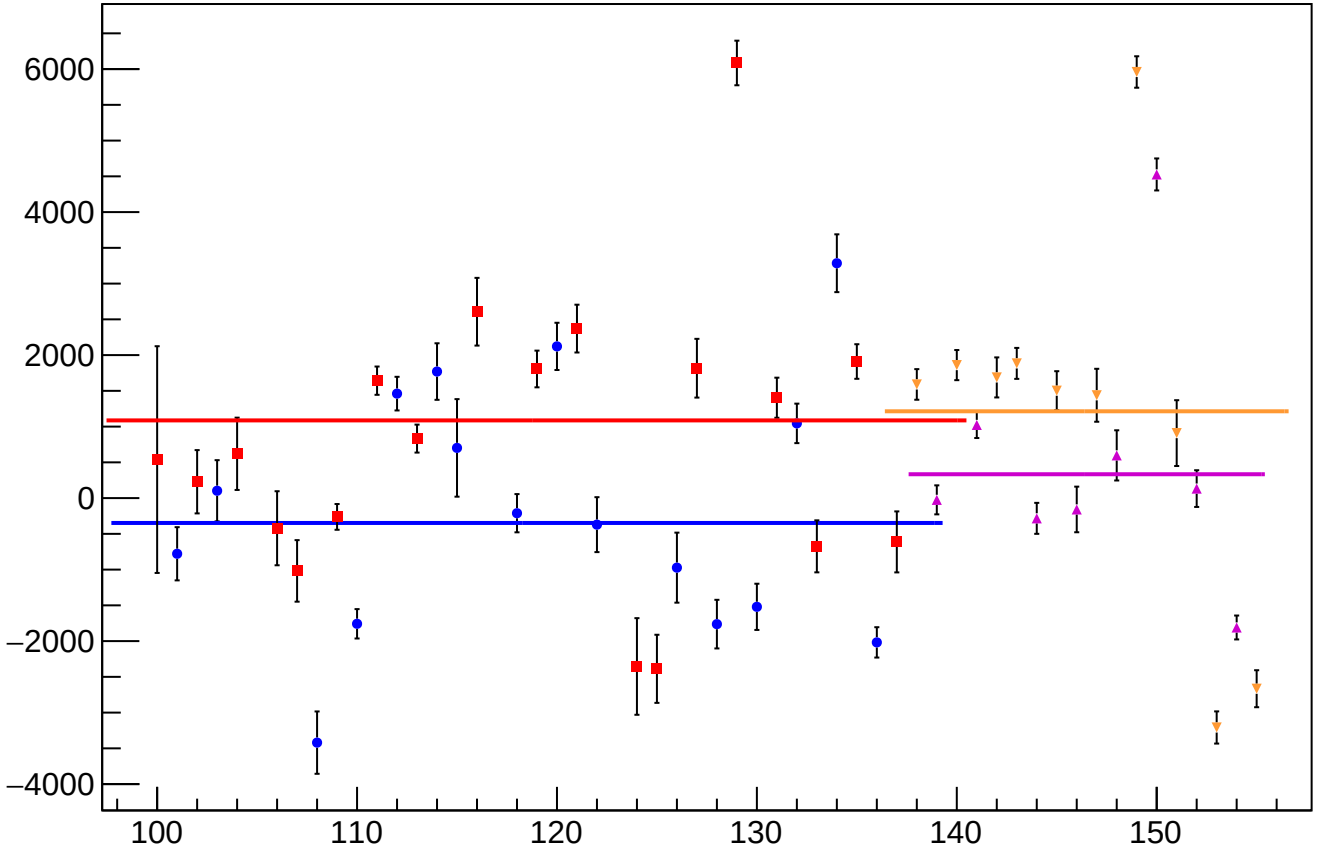
Left In: 198.066+/-0.056 χ^2/NDF:613686.8/7

+ sign 210.692+/-0.040 χ^2/NDF: 1605198.3/25

All: 201.143+/-0.028 χ^2/NDF: 3681263.6/52

- sign 192.585+/-0.038 χ^2/NDF: 1968719.2/26

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1214.049+/-79.239 χ^2/NDF:1103.4/9

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

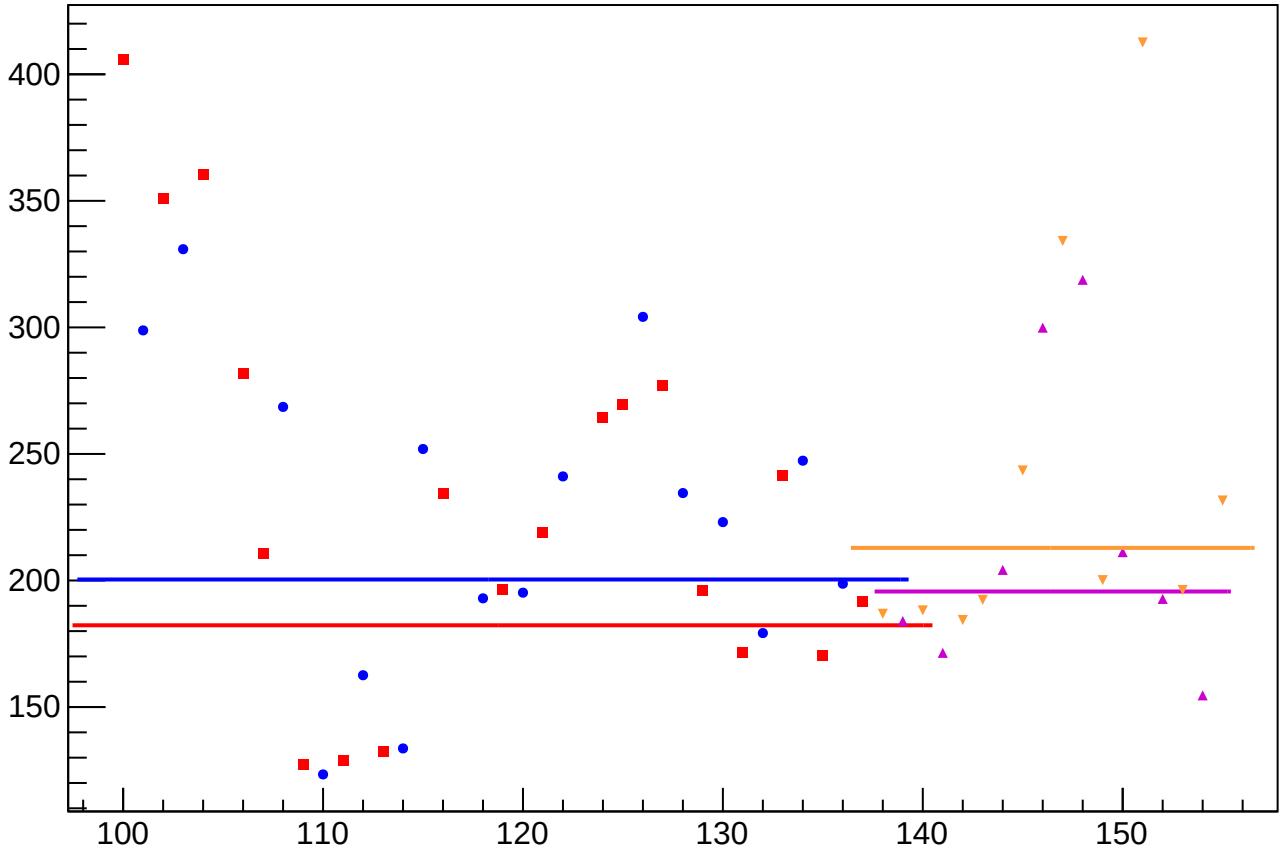
Left In: 333.699+/-78.026 χ^2/NDF:544.3/7

\+ sign 426.538+/-55.792 χ^2/NDF: 1745.0/25

All: 593.566+/-38.322 χ^2/NDF: 2884.0/52

\- sign 742.767+/-52.730 χ^2/NDF: 1122.0/26

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 212.890+/-0.056 χ^2/NDF:740106.6/9

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

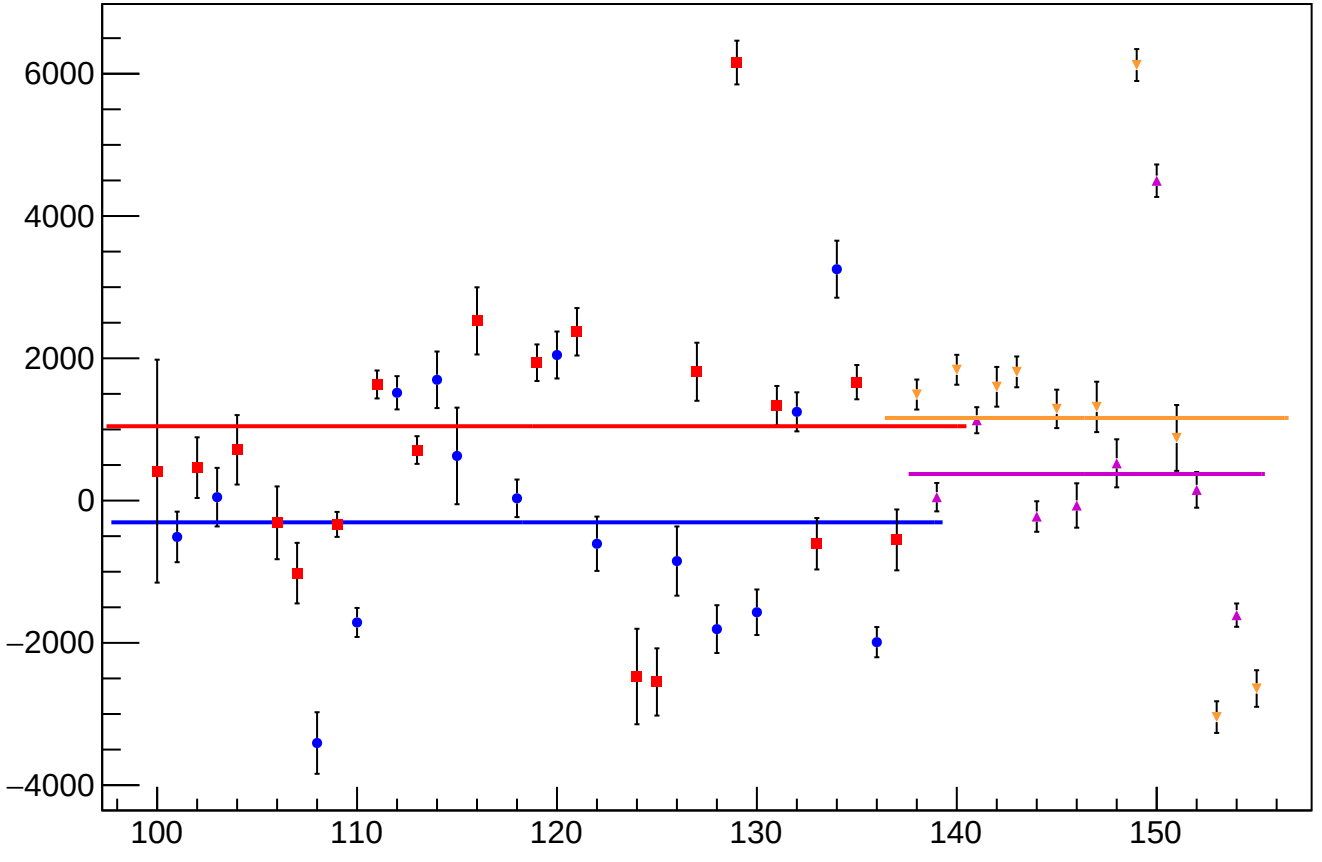
Left In: 195.652+/-0.055 χ^2/NDF:634859.6/7

+ sign 206.591+/-0.039 χ^2/NDF: 1724170.7/25

All: 196.982+/-0.027 χ^2/NDF: 3950361.0/52

- sign 188.399+/-0.037 χ^2/NDF: 2113867.0/26

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1161.354+/-78.863 χ^2/NDF:1090.0/9

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

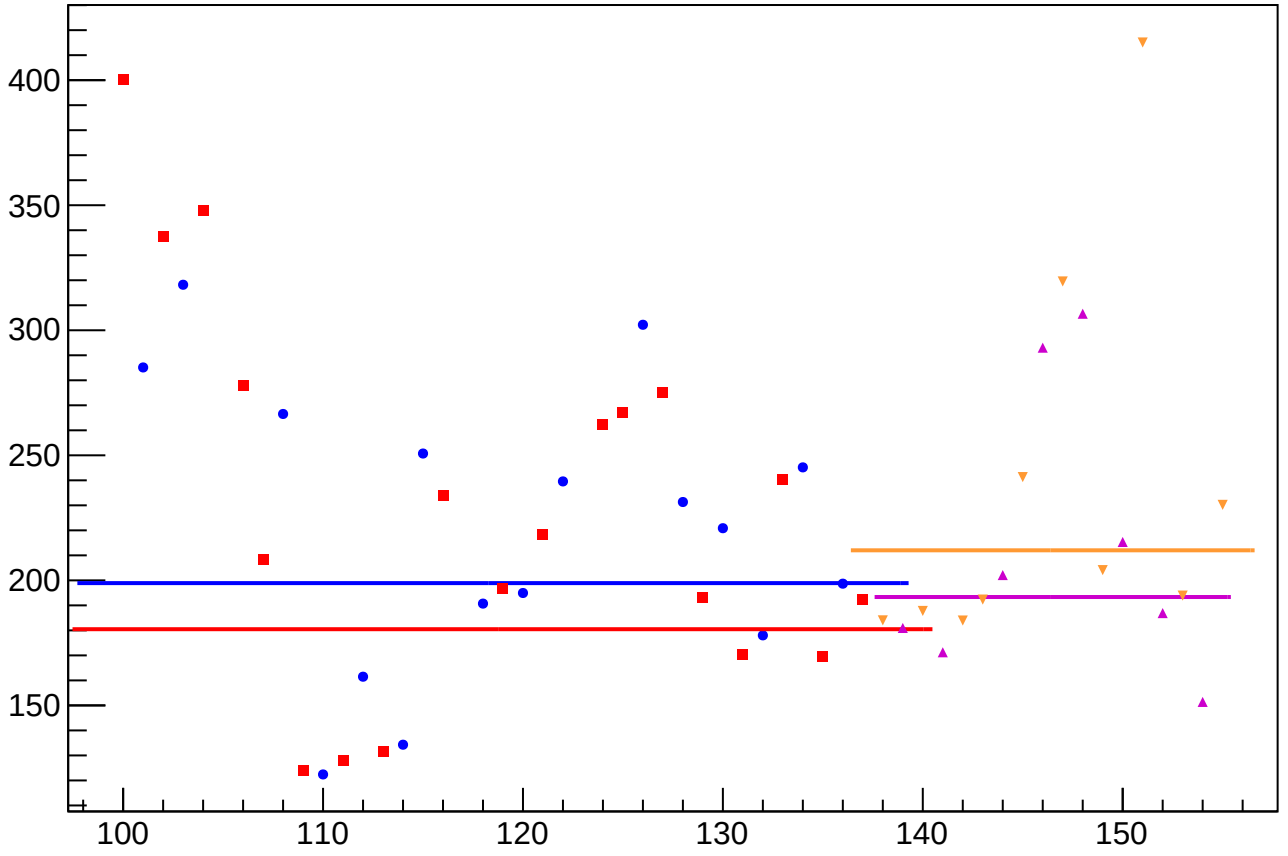
Left In: 373.608+/-77.147 χ^2/NDF:503.4/7

\+ sign 418.542+/-55.410 χ^2/NDF: 1717.1/25

All: 587.886+/-37.984 χ^2/NDF: 2831.3/52

\- sign 738.020+/-52.172 χ^2/NDF: 1096.6/26

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.016+/-0.056 χ^2/NDF:716922.5/9

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

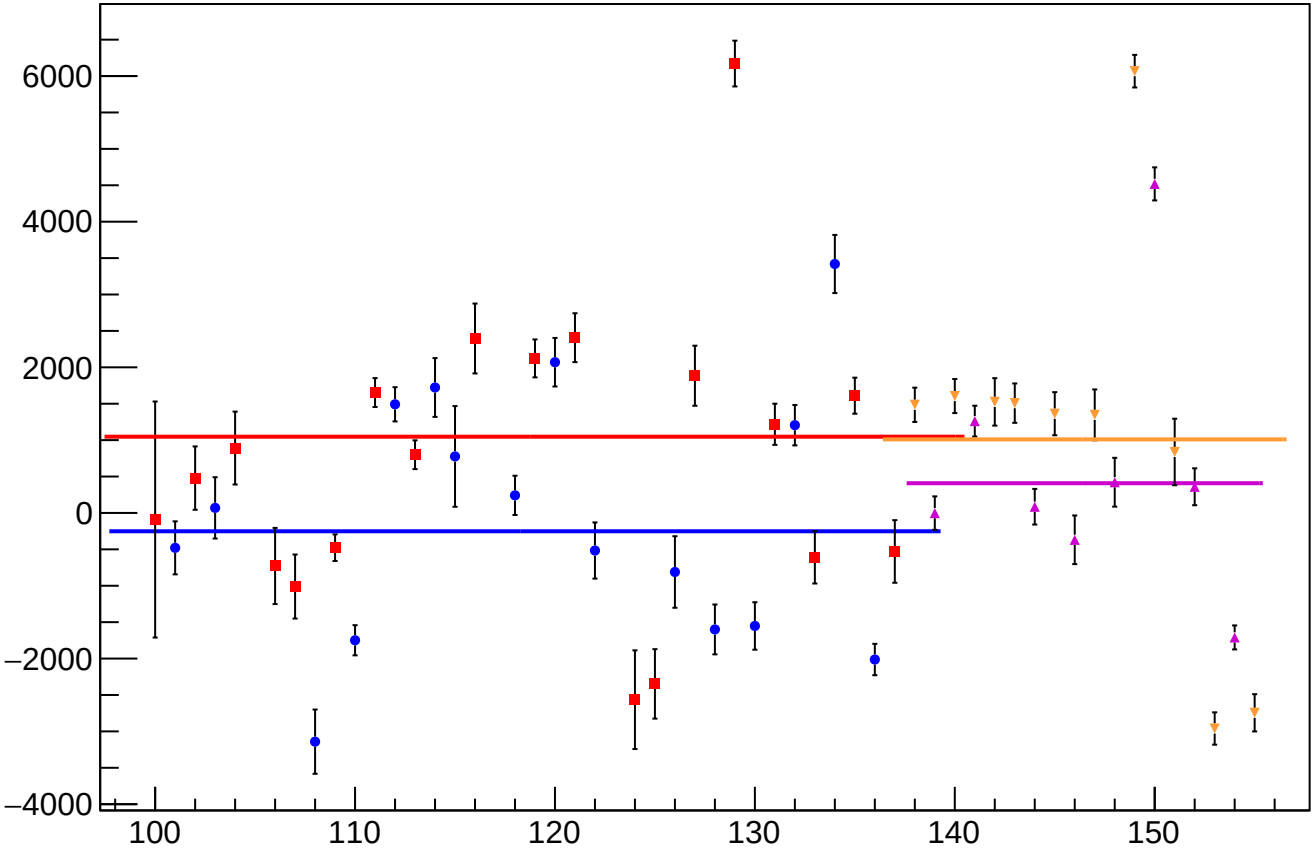
Left In: 193.345+/-0.055 χ^2/NDF:620356.9/7

+ sign 205.376+/-0.039 χ^2/NDF: 1657689.2/25

All: 195.296+/-0.027 χ^2/NDF: 3867564.9/52

- sign 186.360+/-0.037 χ^2/NDF: 2085006.5/26

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1010.323+/-84.721 χ^2/NDF:1064.5/9

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

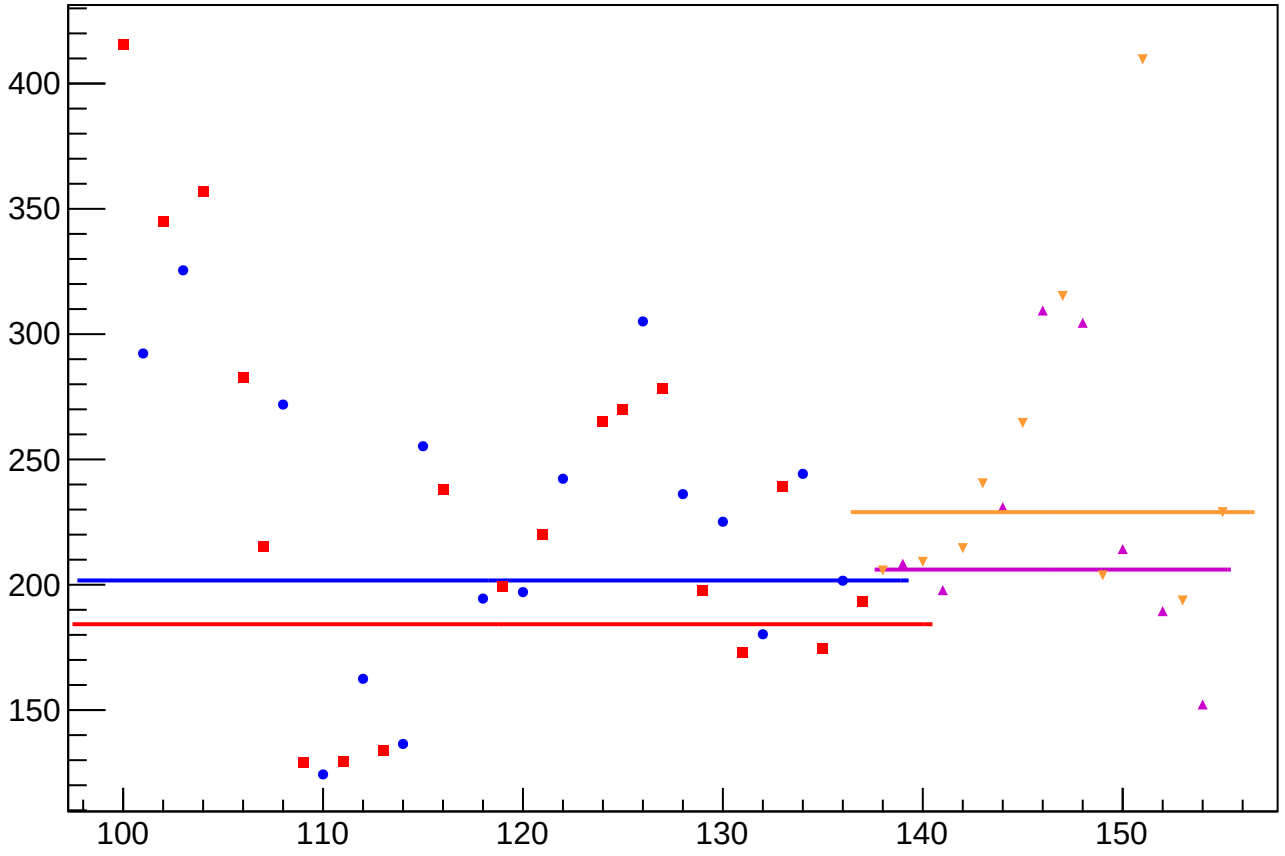
Left In: 408.248+/-82.315 χ^2/NDF:519.6/7

\+ sign 335.007+/-57.768 χ^2/NDF: 1624.5/25

All: 565.723+/-39.555 χ^2/NDF: 2754.9/52

\- sign 769.379+/-54.275 χ^2/NDF: 1100.4/26

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 228.972+/-0.060 χ^2/NDF:581105.2/9

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

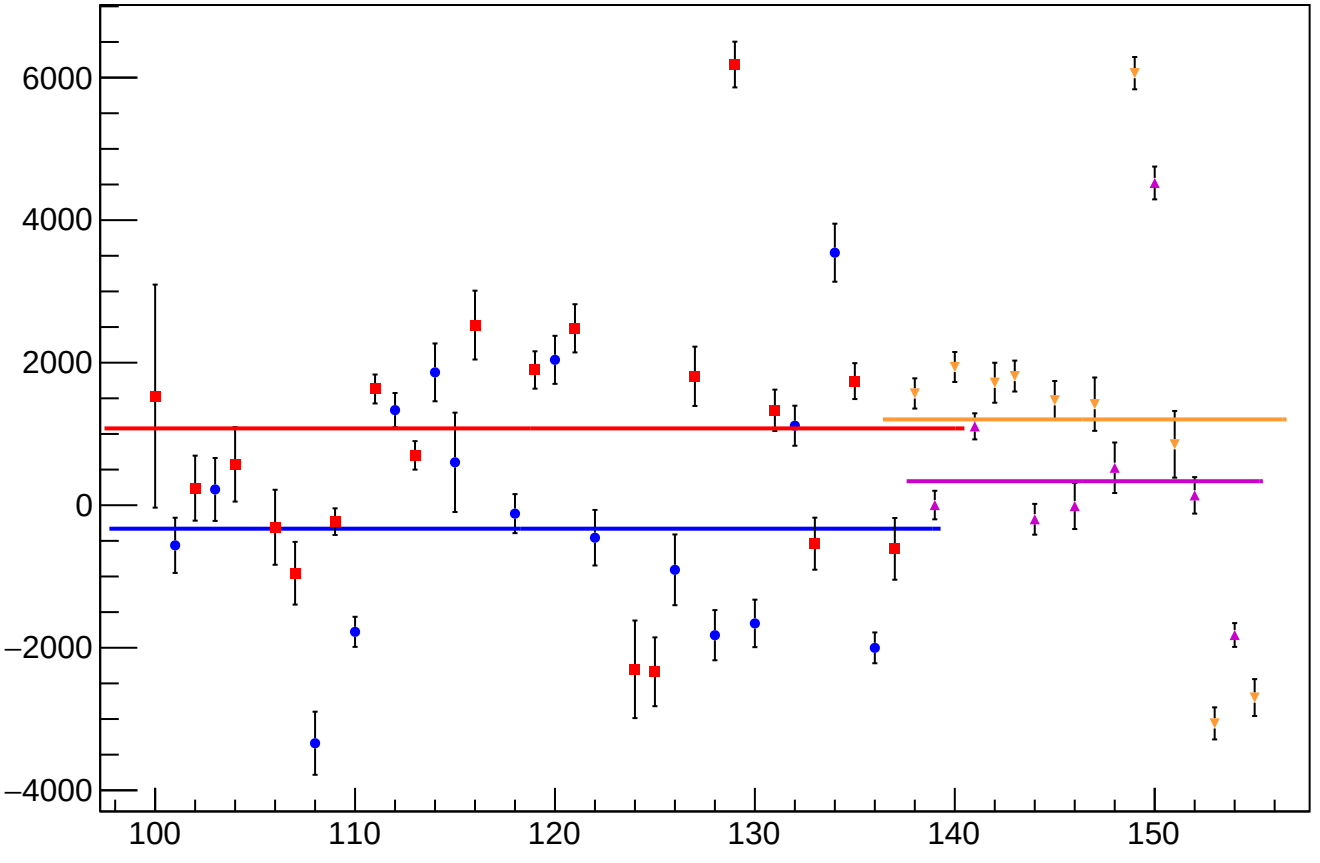
Left In: 206.055+/-0.058 χ^2/NDF:612601.1/7

+ sign 214.387+/-0.041 χ^2/NDF: 1616097.8/25

All: 203.413+/-0.028 χ^2/NDF: 3847717.6/52

- sign 193.726+/-0.038 χ^2/NDF: 2095733.4/26

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1204.160+/-79.499 χ^2/NDF:1074.1/9

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

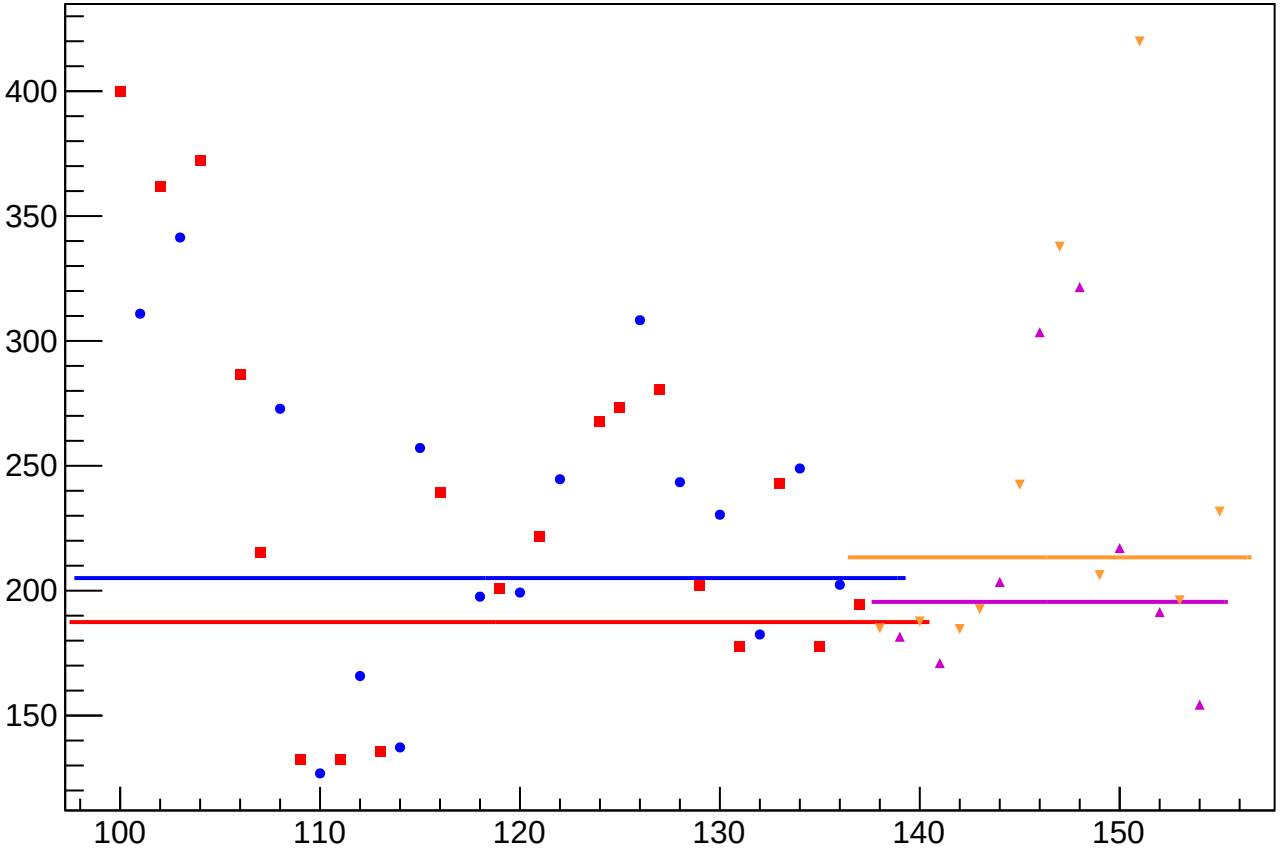
Left In: 336.807+/-78.107 χ^2/NDF:526.8/7

\+ sign 445.719+/-56.519 χ^2/NDF: 1694.6/25

All: 595.849+/-38.850 χ^2/NDF: 2784.5/52

\- sign 730.320+/-53.490 χ^2/NDF: 1076.6/26

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 213.346+/-0.056 χ^2/NDF:762032.3/9

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

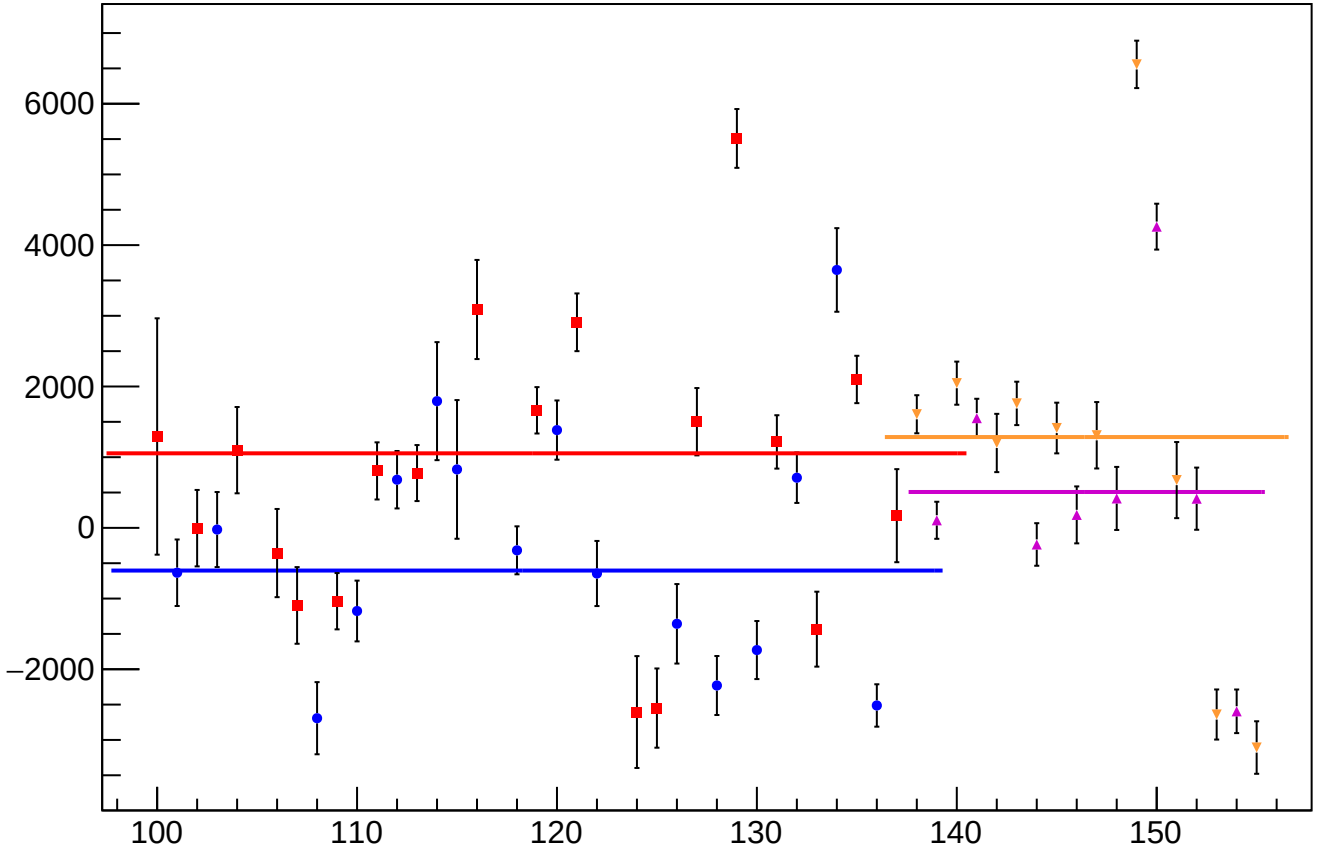
Left In: 195.519+/-0.055 χ^2/NDF:664911.9/7

+ sign 209.244+/-0.040 χ^2/NDF: 1735848.0/25

All: 199.739+/-0.027 χ^2/NDF: 3930198.7/52

- sign 191.224+/-0.038 χ^2/NDF: 2087099.8/26

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1284.792+/-111.185 χ^2/NDF:521.0/9

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

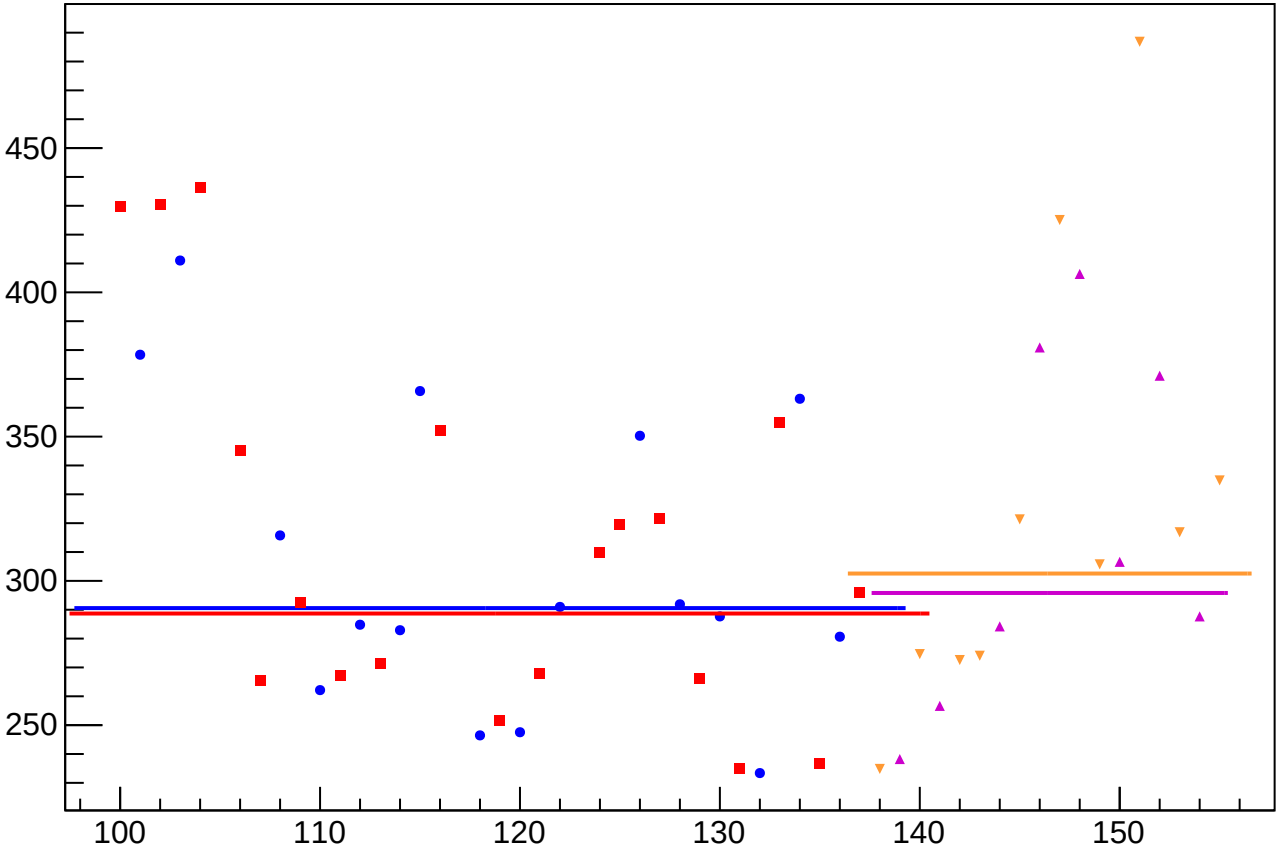
Left In: 507.657+/-115.255 χ^2/NDF:258.6/7

\+ sign 336.280+/-78.445 χ^2/NDF: 859.5/25

All: 565.873+/-55.633 χ^2/NDF: 1445.0/52

\- sign 798.196+/-78.910 χ^2/NDF: 568.3/26

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 302.543+/-0.079 χ^2/NDF:565415.2/9

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

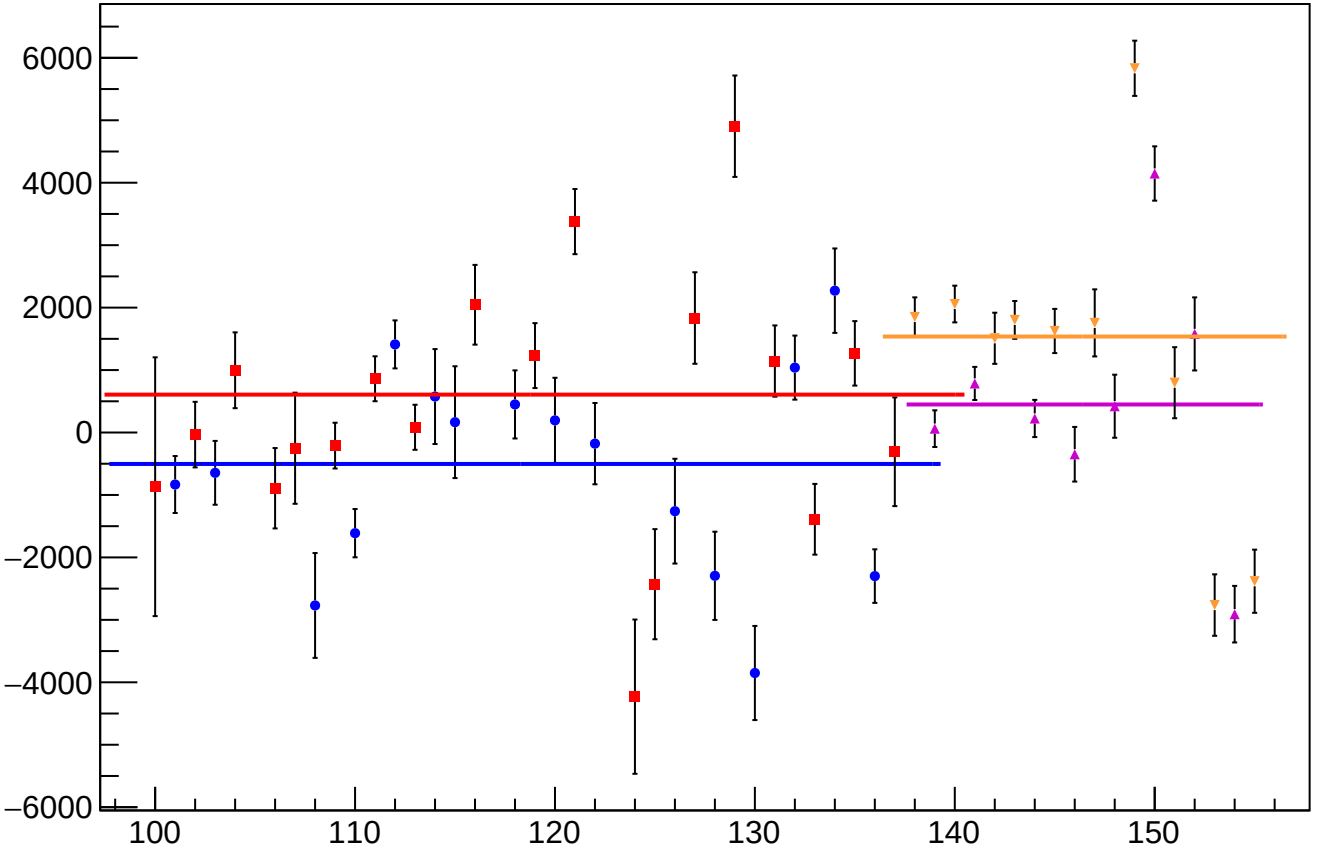
Left In: 295.809+/-0.081 χ^2/NDF:414670.8/7

+ sign 296.528+/-0.055 χ^2/NDF: 936877.8/25

All: 294.290+/-0.039 χ^2/NDF: 1847977.7/52

- sign 292.025+/-0.056 χ^2/NDF: 907823.6/26

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1536.821+/-122.858 χ^2/NDF:237.5/9

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

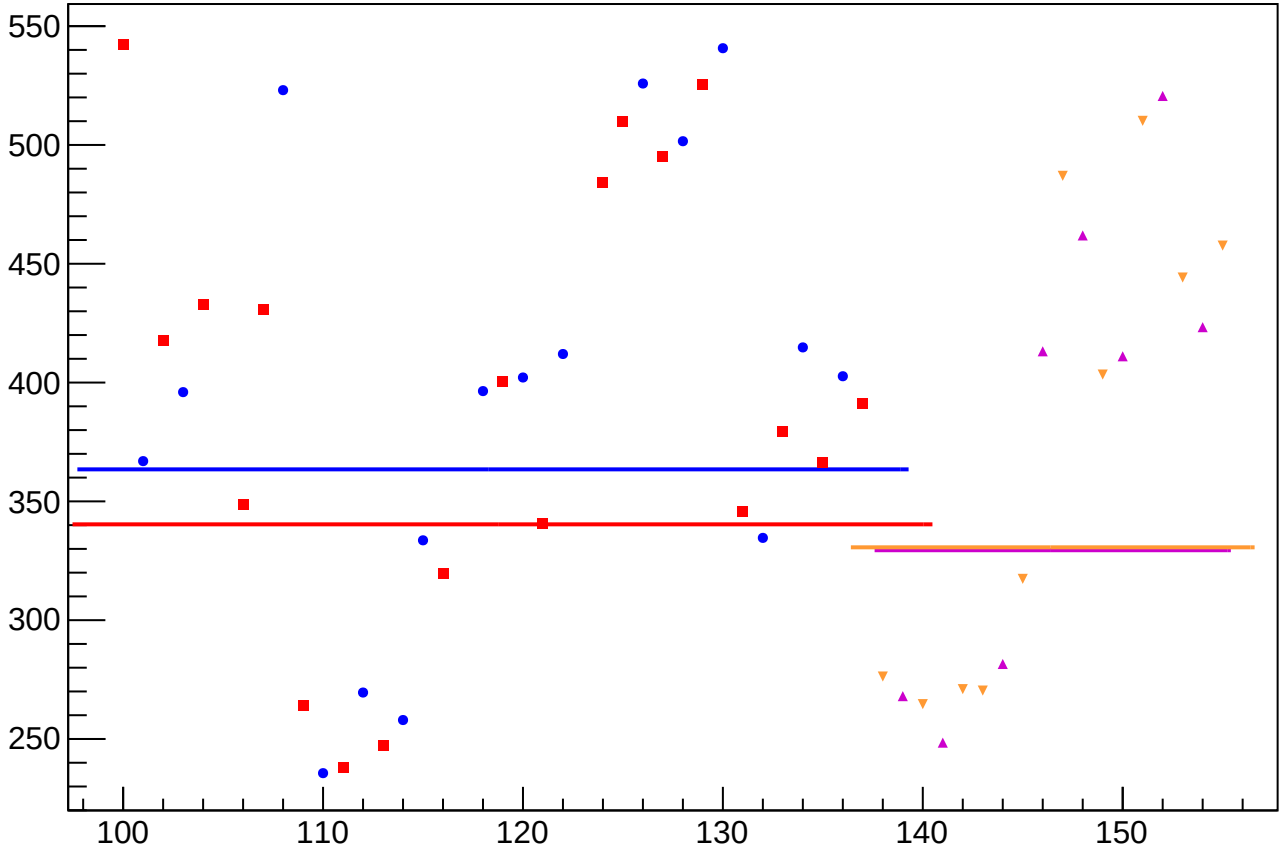
Left In: 448.920+/-129.836 χ^2/NDF:138.2/7

+ sign 649.490+/-92.360 χ^2/NDF: 475.7/25

All: 588.347+/-65.083 χ^2/NDF: 740.7/52

- sign 528.039+/-91.727 χ^2/NDF: 264.1/26

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 330.658+/-0.087 χ^2/NDF:940220.8/9

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

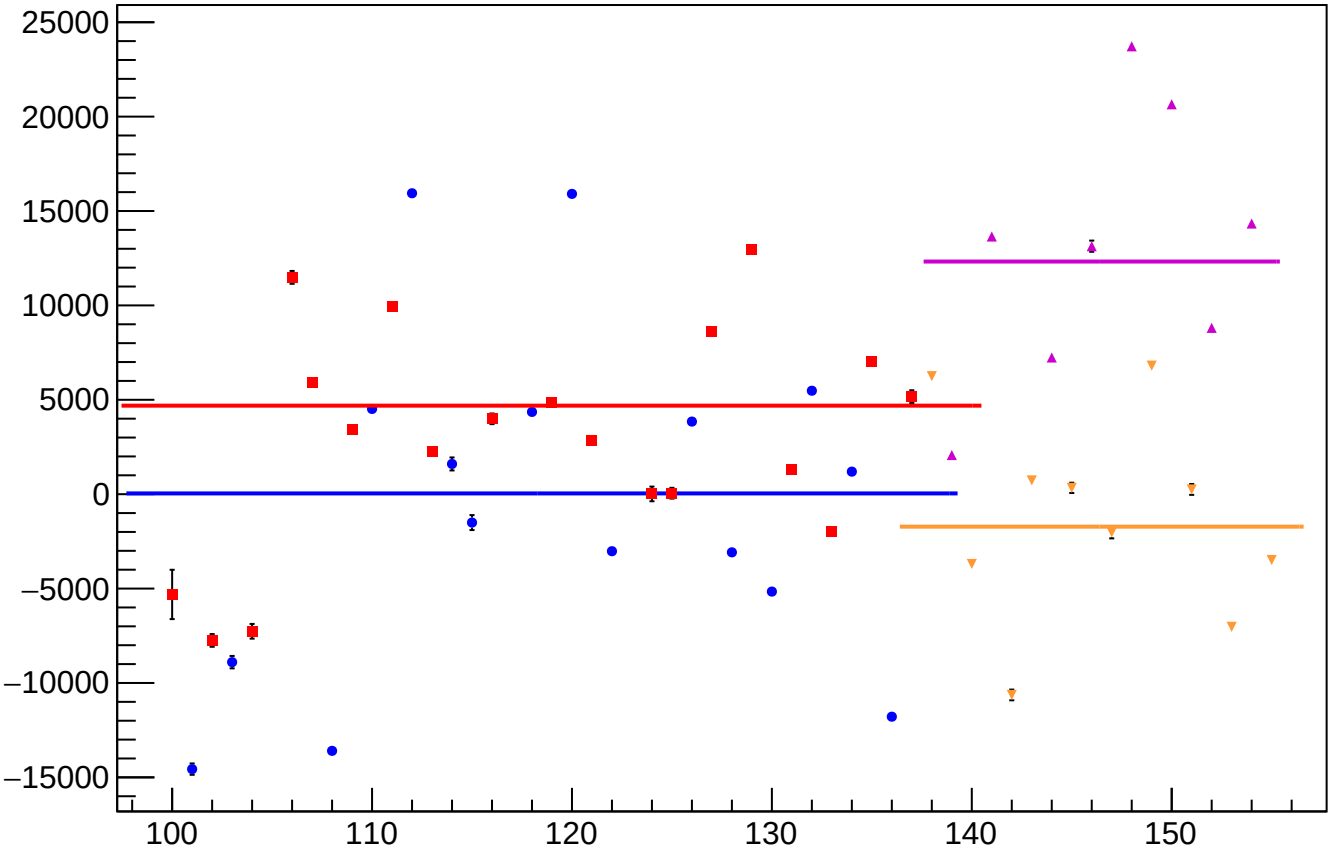
Left In: 329.440+/-0.092 χ^2/NDF:906503.6/7

+ sign 344.927+/-0.065 χ^2/NDF: 1783154.7/25

All: 339.877+/-0.046 χ^2/NDF: 3564815.2/52

- sign 334.896+/-0.065 χ^2/NDF: 1769783.6/26

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1719.719+/-66.409 χ^2/NDF:5951.6/9

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

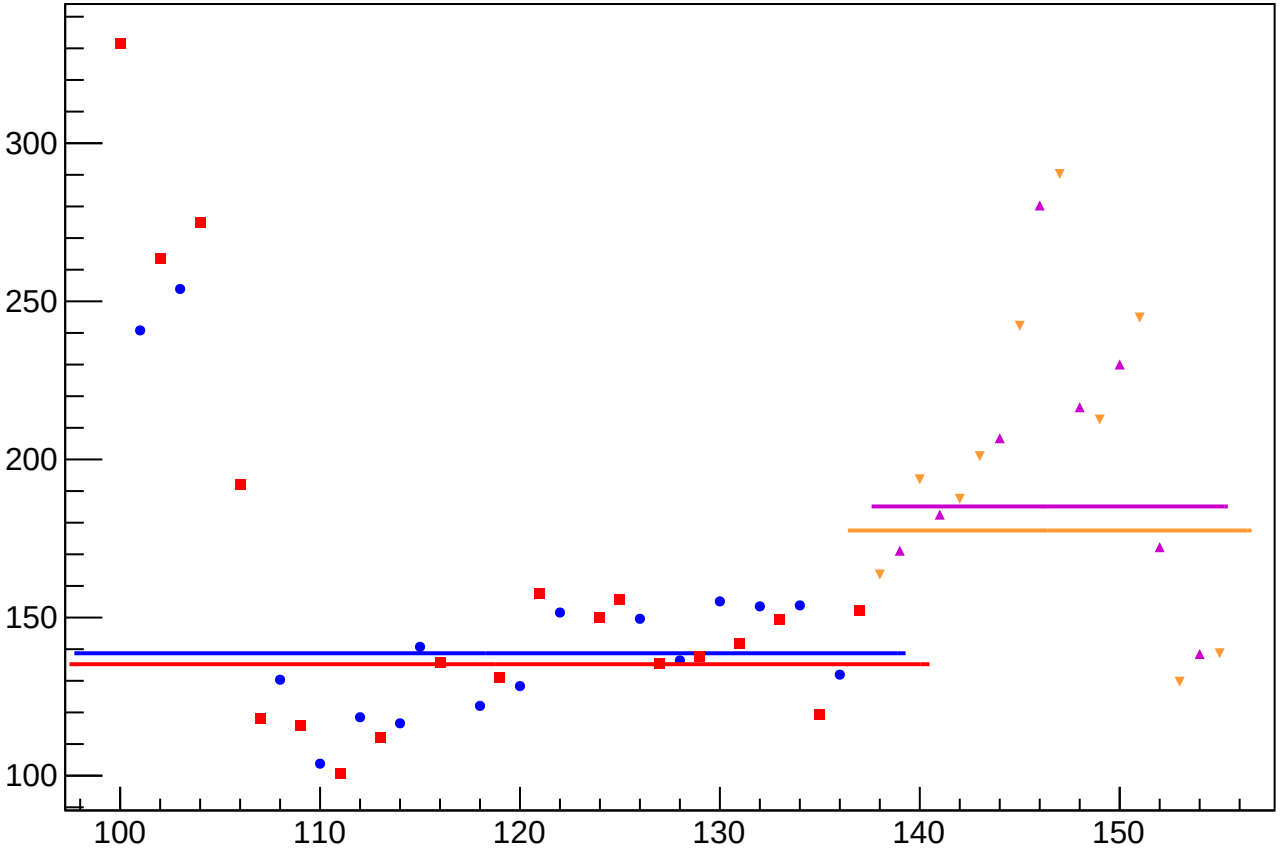
Left In: 12323.323+/-73.568 χ^2/NDF:7280.5/7

+ sign -662.959+/-41.990 χ^2/NDF: 37159.8/25

All: 3238.953+/-29.875 χ^2/NDF: 76894.7/52

- sign 7239.121+/-42.515 χ^2/NDF: 22247.1/26

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 177.535+/-0.047 χ^2/NDF:911858.8/9

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

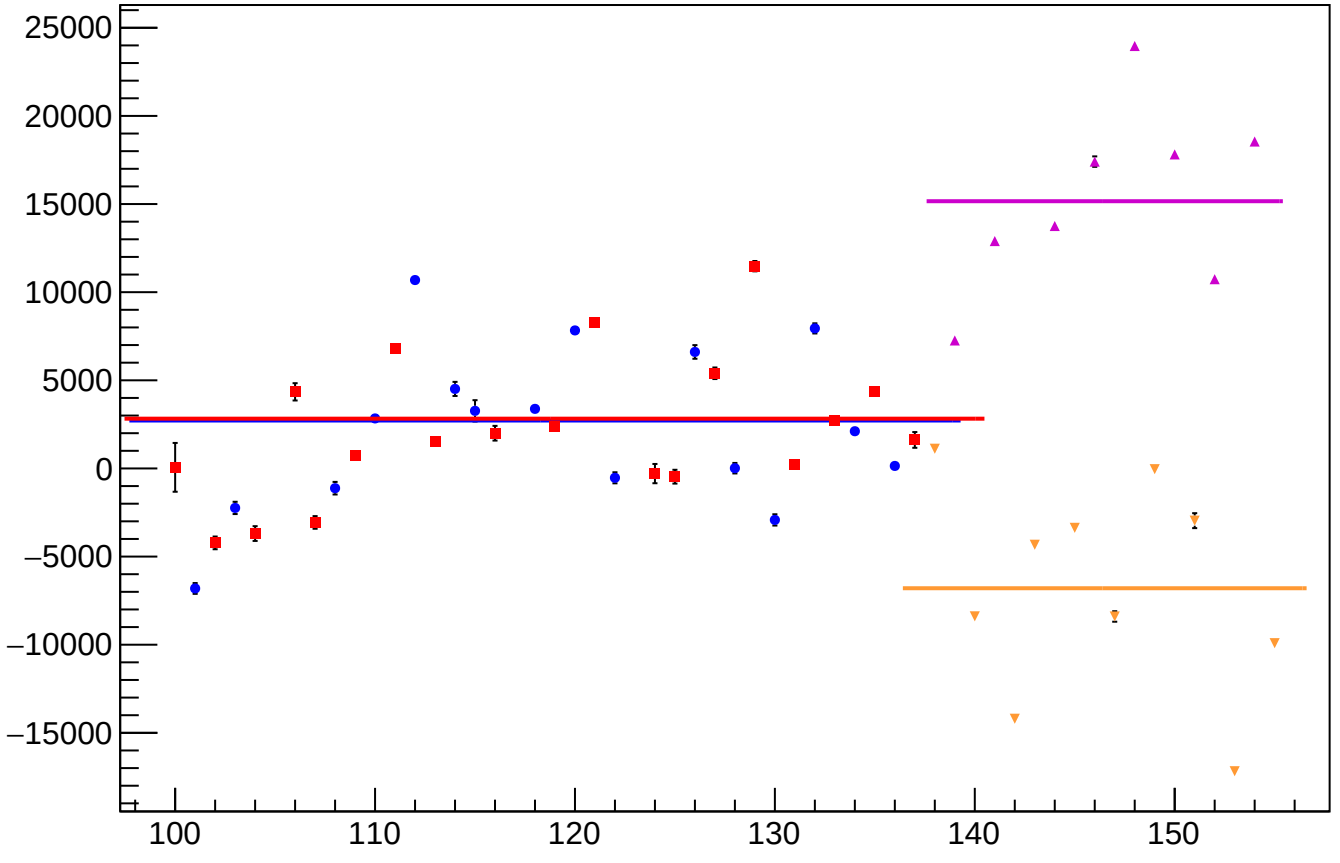
Left In: 185.132+/-0.052 χ^2/NDF:539443.4/7

+ sign 154.233+/-0.030 χ^2/NDF: 1979899.2/25

All: 153.084+/-0.021 χ^2/NDF: 4024919.4/52

- sign 151.906+/-0.030 χ^2/NDF: 2041988.1/26

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6796.426+/-76.142 χ^2/NDF:6475.9/9

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

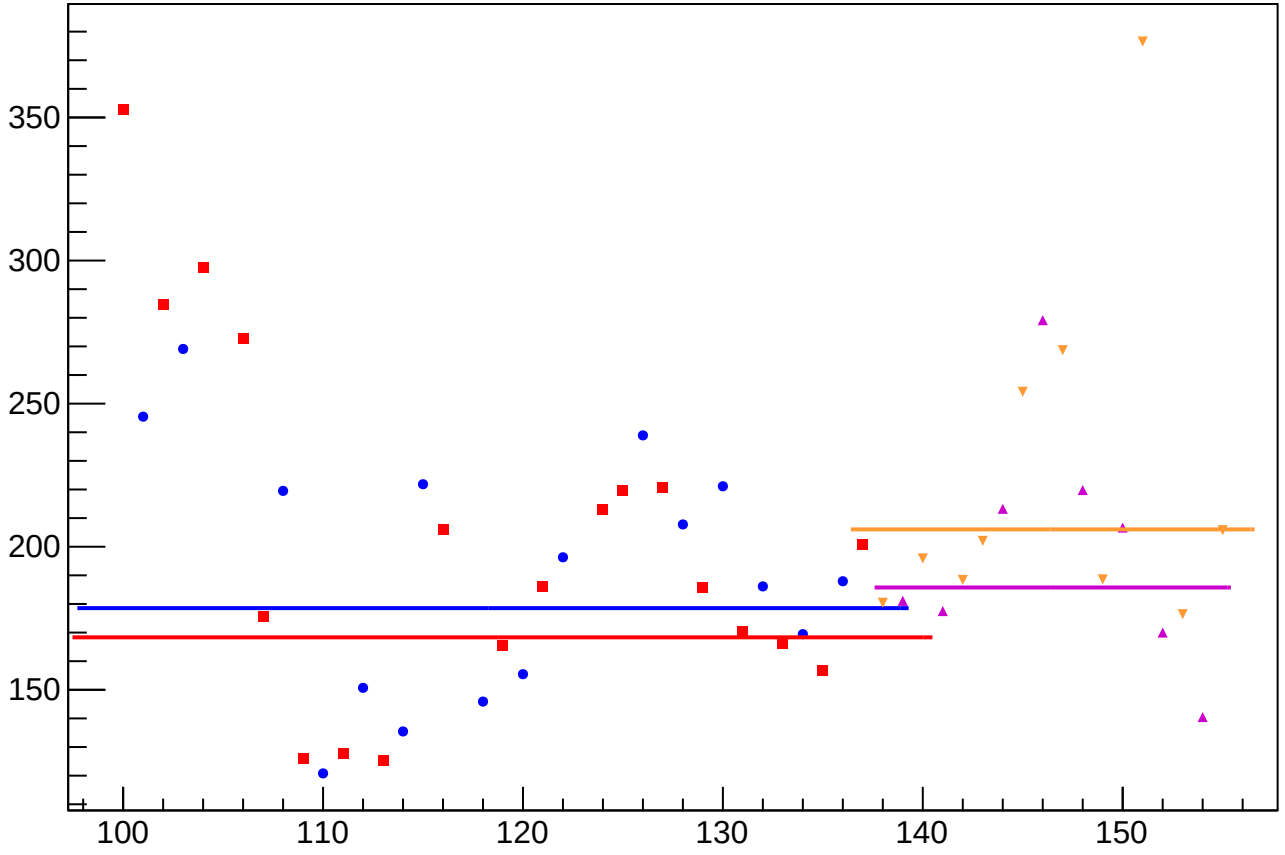
Left In: 15160.865+/-73.792 χ^2/NDF:4110.4/7

+ sign -1587.961+/-51.230 χ^2/NDF: 19154.4/25

All: 3552.337+/-35.301 χ^2/NDF: 61269.5/52

- sign 8199.877+/-48.712 χ^2/NDF: 22944.5/26

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 206.057+/-0.054 χ^2/NDF:570948.8/9

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

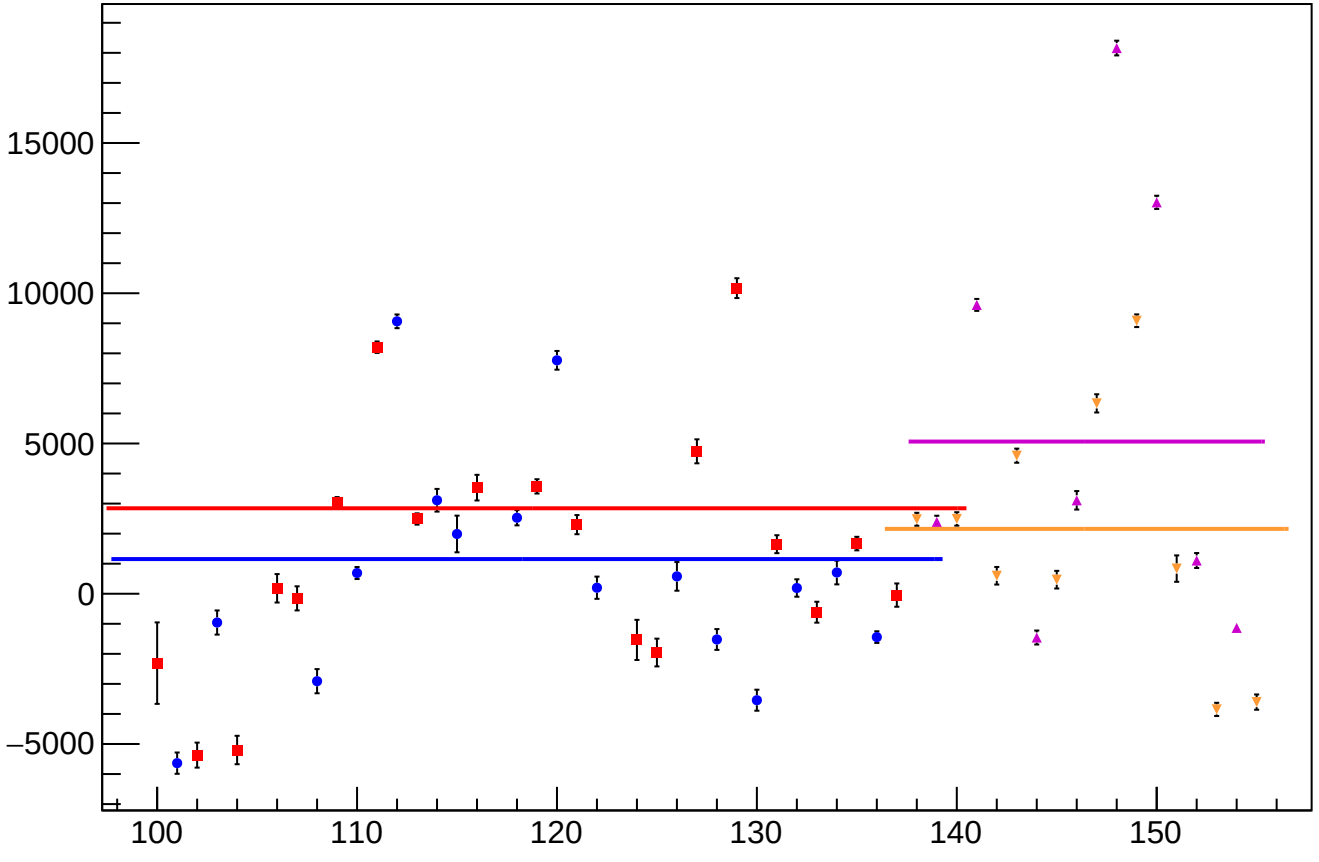
Left In: 185.758+/-0.052 χ^2/NDF:476748.5/7

+ sign 190.997+/-0.036 χ^2/NDF: 1388470.1/25

All: 183.083+/-0.025 χ^2/NDF: 2998504.7/52

- sign 175.927+/-0.034 χ^2/NDF: 1519148.0/26

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2159.151+/-79.769 χ^2/NDF:2710.1/9

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

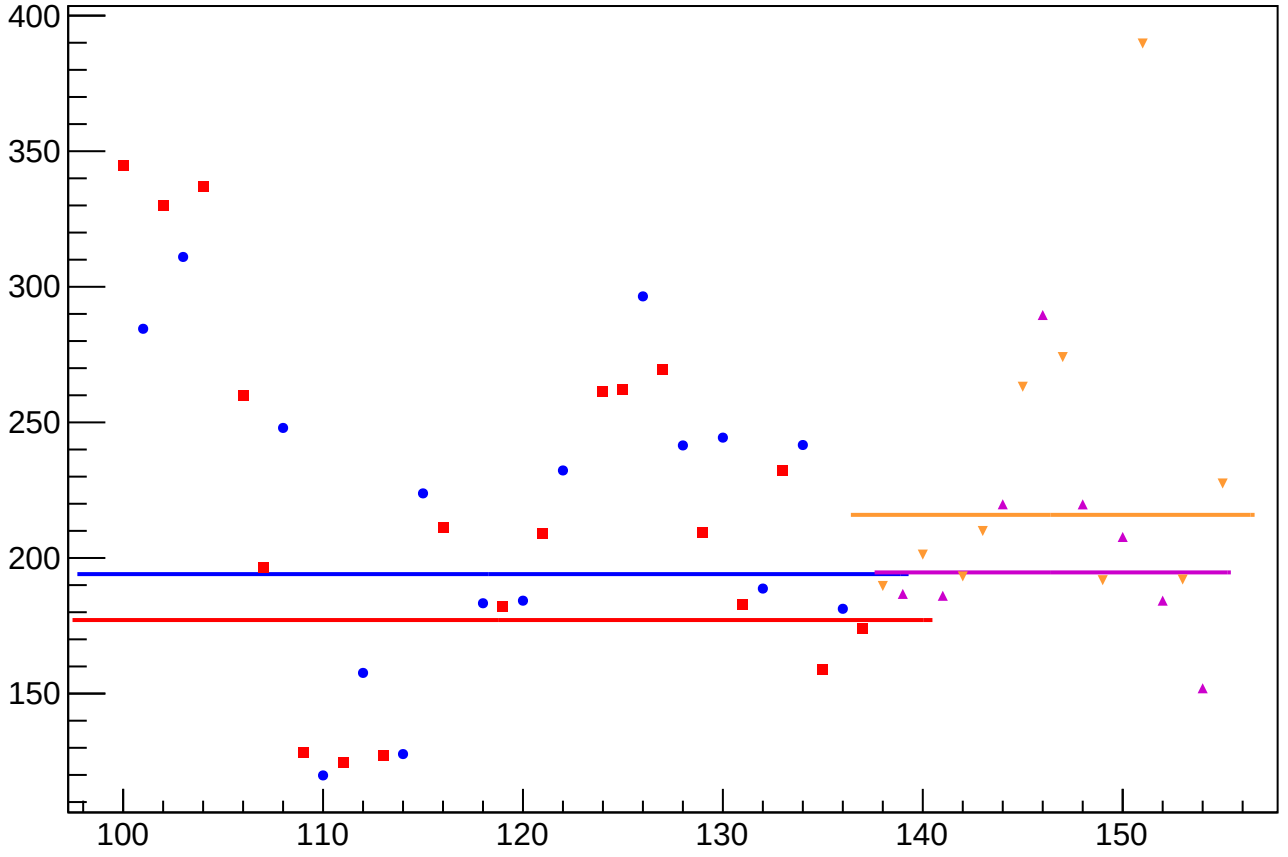
Left In: 5064.329+/-77.114 χ^2/NDF:7340.4/7

+ sign 1631.889+/-55.008 χ^2/NDF: 5448.8/25

All: 2805.546+/-37.586 χ^2/NDF: 16555.9/52

- sign 3833.399+/-51.478 χ^2/NDF: 10253.2/26

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.905+/-0.056 χ^2/NDF:543029.1/9

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

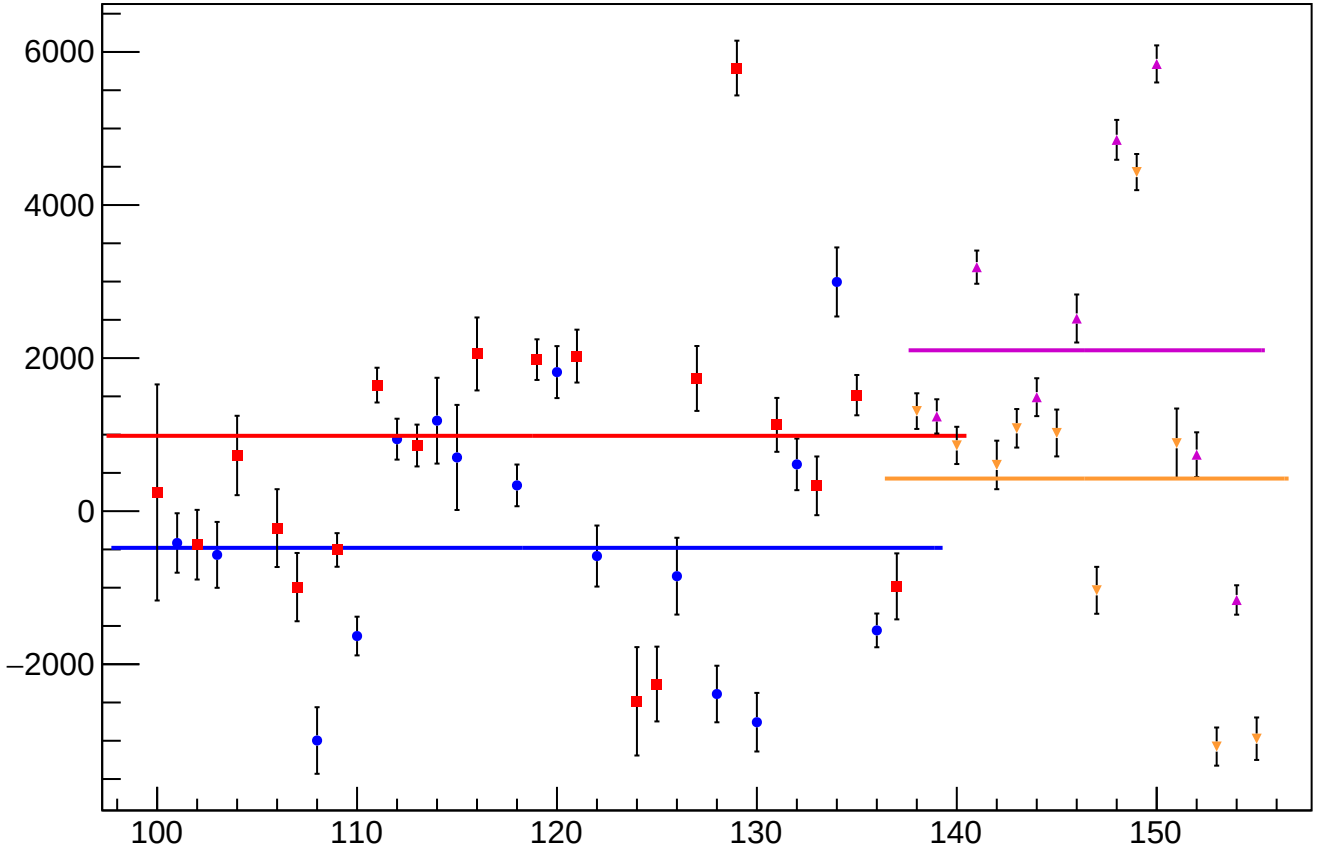
Left In: 194.680+/-0.055 χ^2/NDF:386025.1/7

+ sign 204.444+/-0.039 χ^2/NDF: 1587528.0/25

All: 194.048+/-0.027 χ^2/NDF: 3524433.1/52

- sign 184.943+/-0.036 χ^2/NDF: 1802898.1/26

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 426.086+/-86.315 χ^2/NDF:687.3/9

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

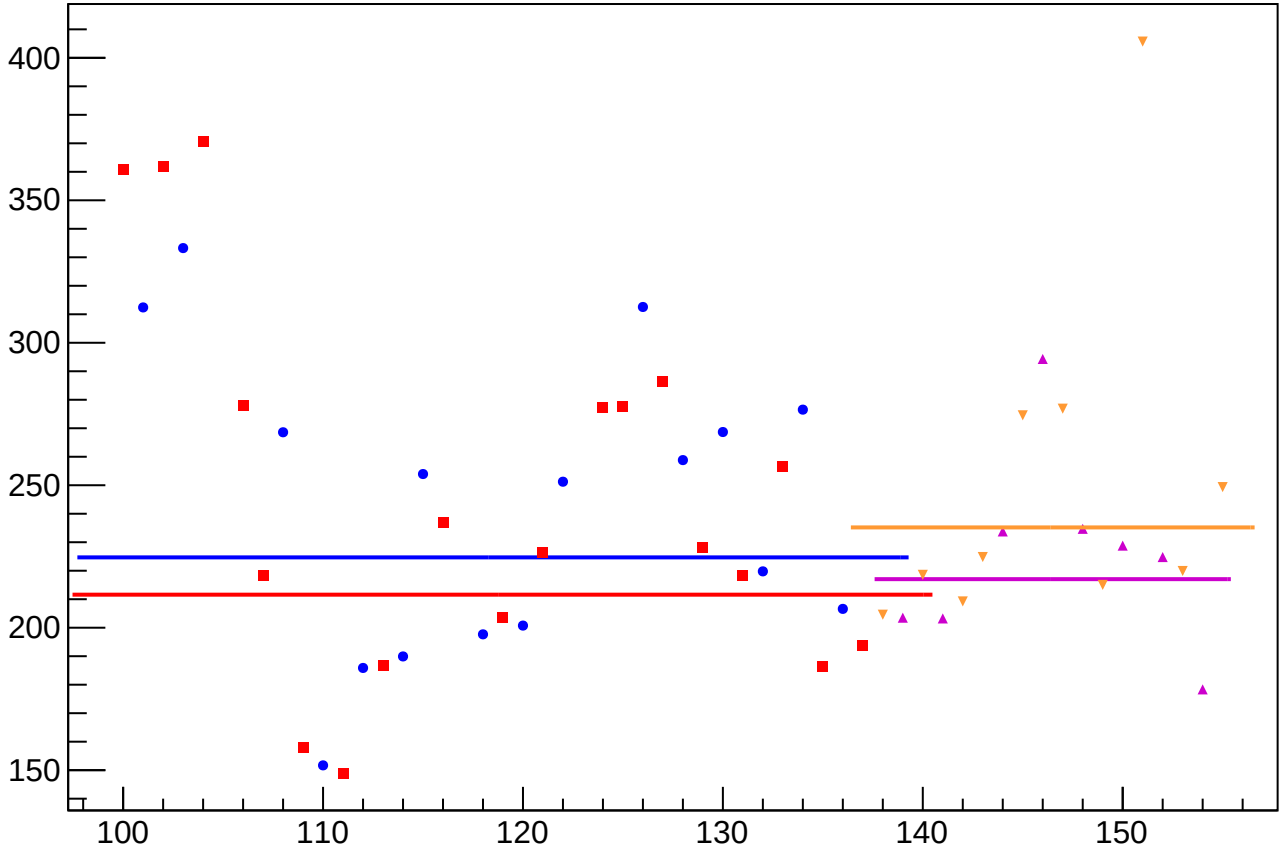
Left In: 2101.997+/-85.033 χ^2/NDF:707.6/7

+ sign -24.671+/-61.164 χ^2/NDF: 1047.5/25

All: 778.128+/-42.325 χ^2/NDF: 2574.4/52

- sign 1515.746+/-58.629 χ^2/NDF: 1196.4/26

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.197+/-0.061 χ^2/NDF:440435.6/9

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

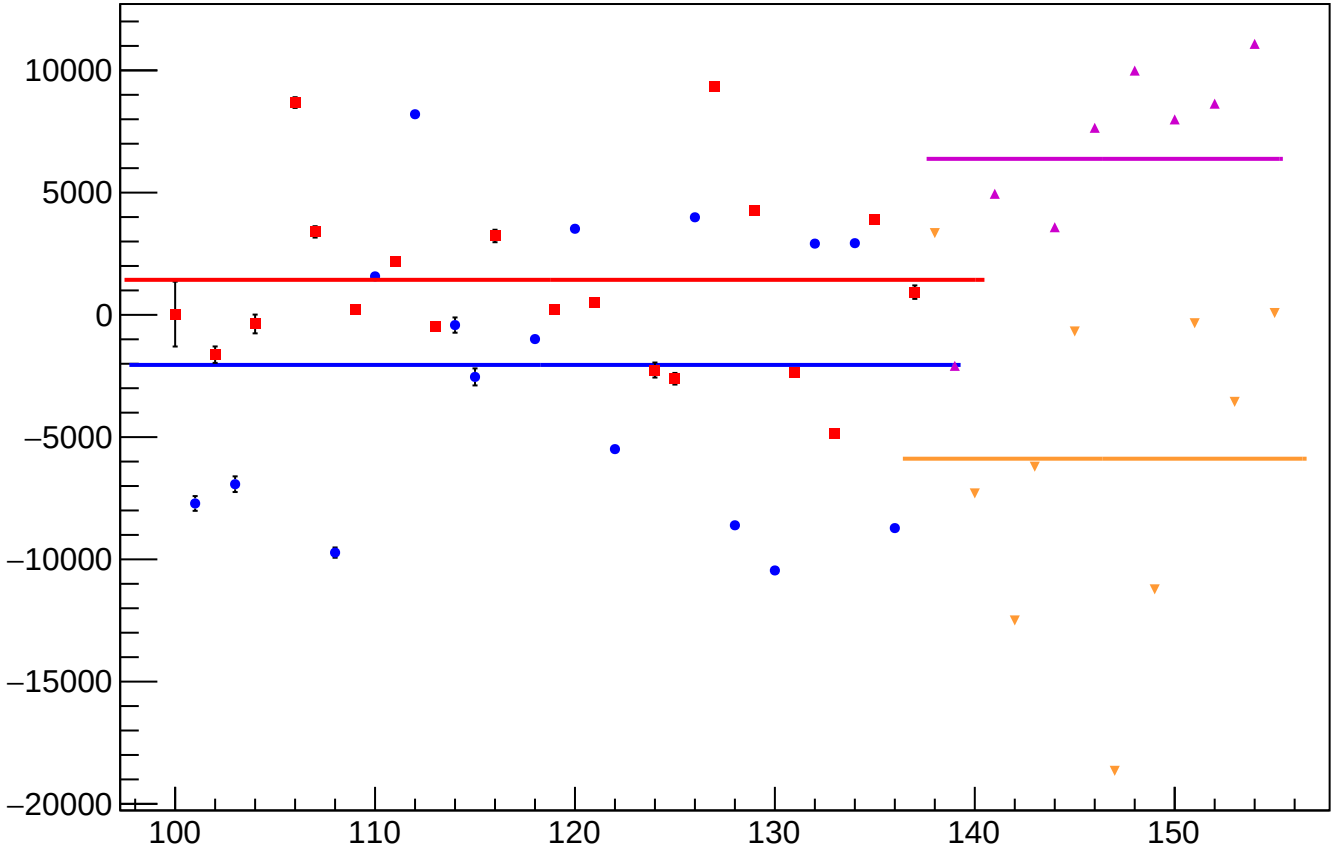
Left In: 217.041+/-0.060 χ^2/NDF:242203.9/7

+ sign 229.962+/-0.043 χ^2/NDF: 1108403.3/25

All: 221.739+/-0.030 χ^2/NDF: 2357174.2/52

- sign 214.184+/-0.041 χ^2/NDF: 1179411.1/26

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5882.971+/-41.094 χ^2/NDF:25581.6/9

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

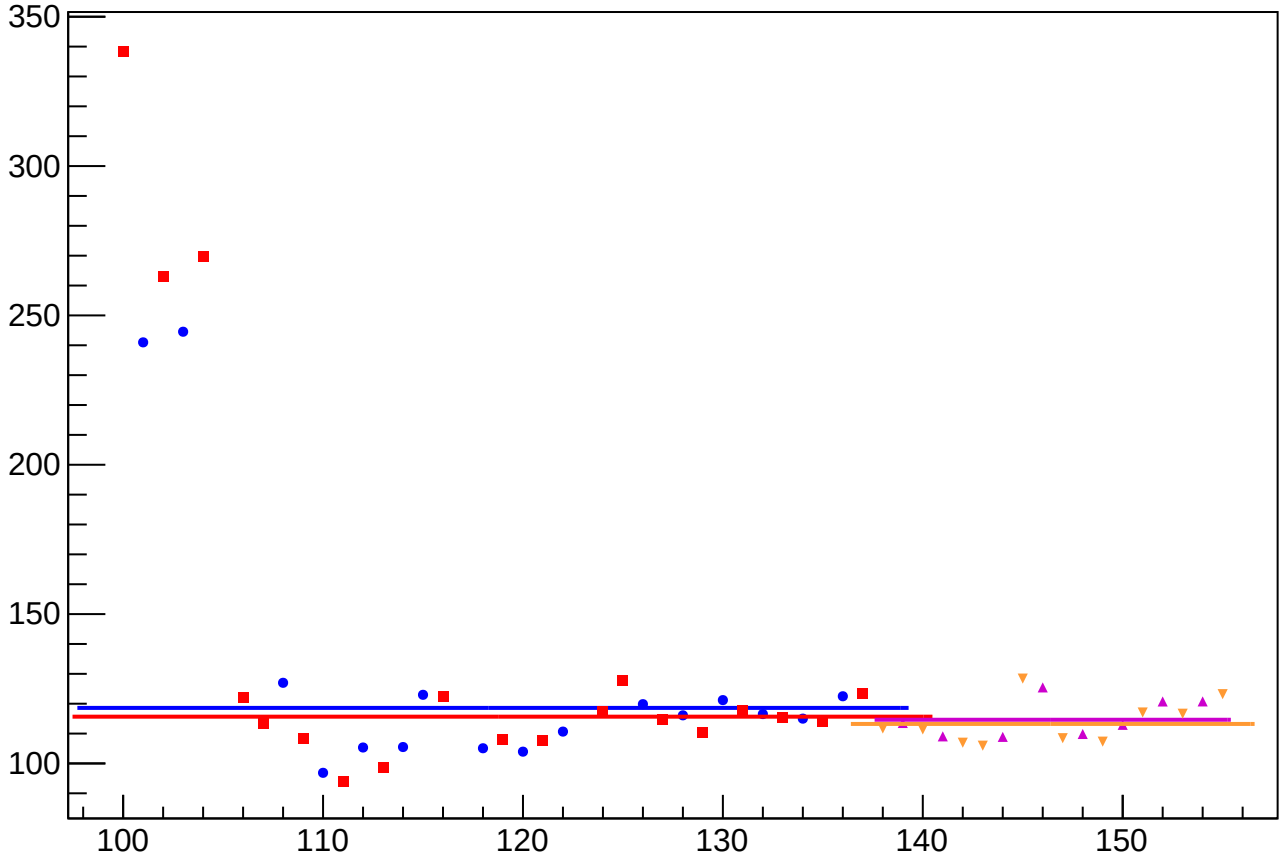
Left In: 6381.011+/-43.932 χ^2/NDF:7948.7/7

+ sign -4209.949+/-30.857 χ^2/NDF: 46090.8/25

All: -193.041+/-21.989 χ^2/NDF: 101087.9/52

- sign 3951.422+/-31.343 χ^2/NDF: 20565.3/26

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 113.225+/-0.029 χ^2/NDF:54941.0/9

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

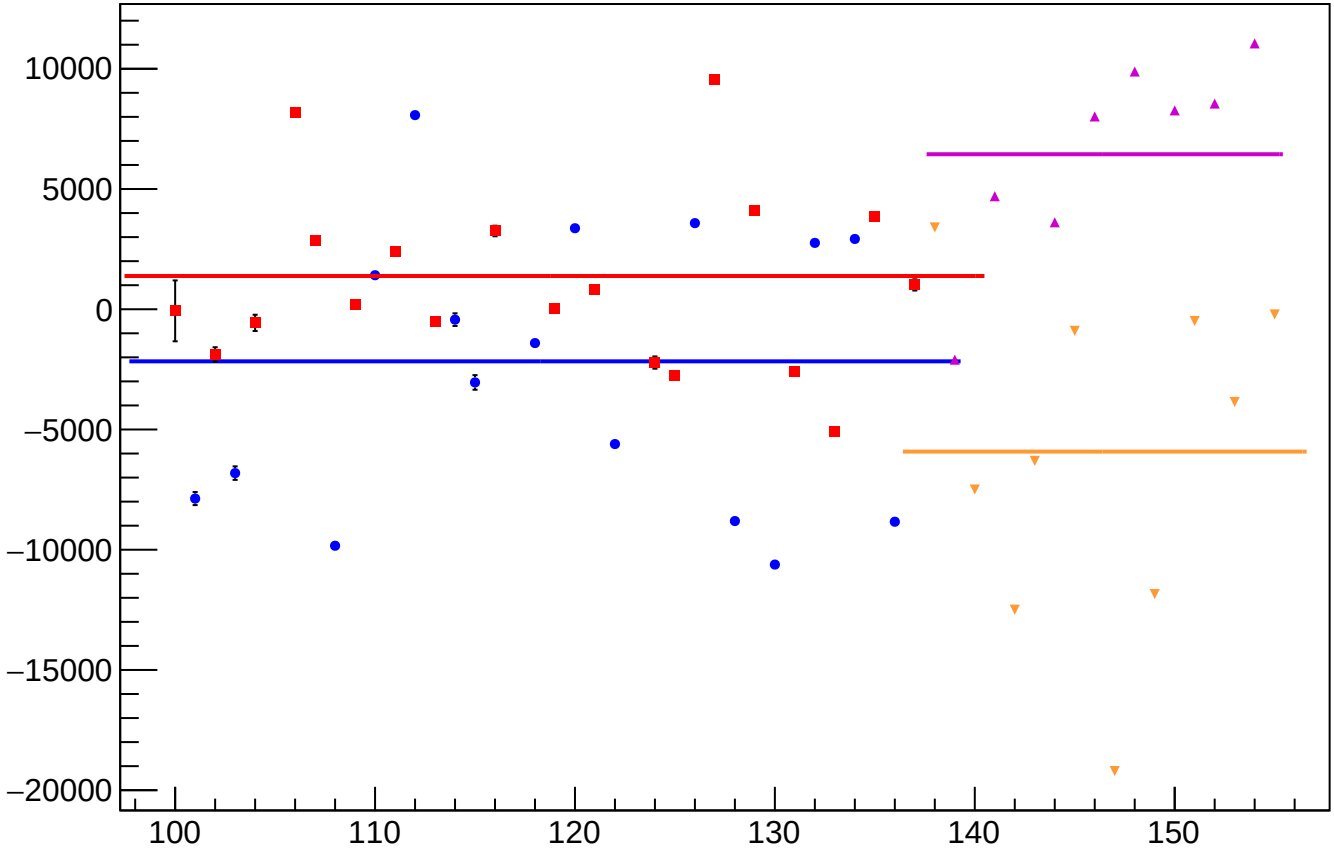
Left In: 114.625+/-0.031 χ^2/NDF:34818.4/7

+ sign 115.568+/-0.022 χ^2/NDF: 804000.6/25

All: 115.354+/-0.016 χ^2/NDF: 1703765.1/52

- sign 115.133+/-0.022 χ^2/NDF: 899569.3/26

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5919.263+/-37.250 χ^2/NDF:31005.8/9

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

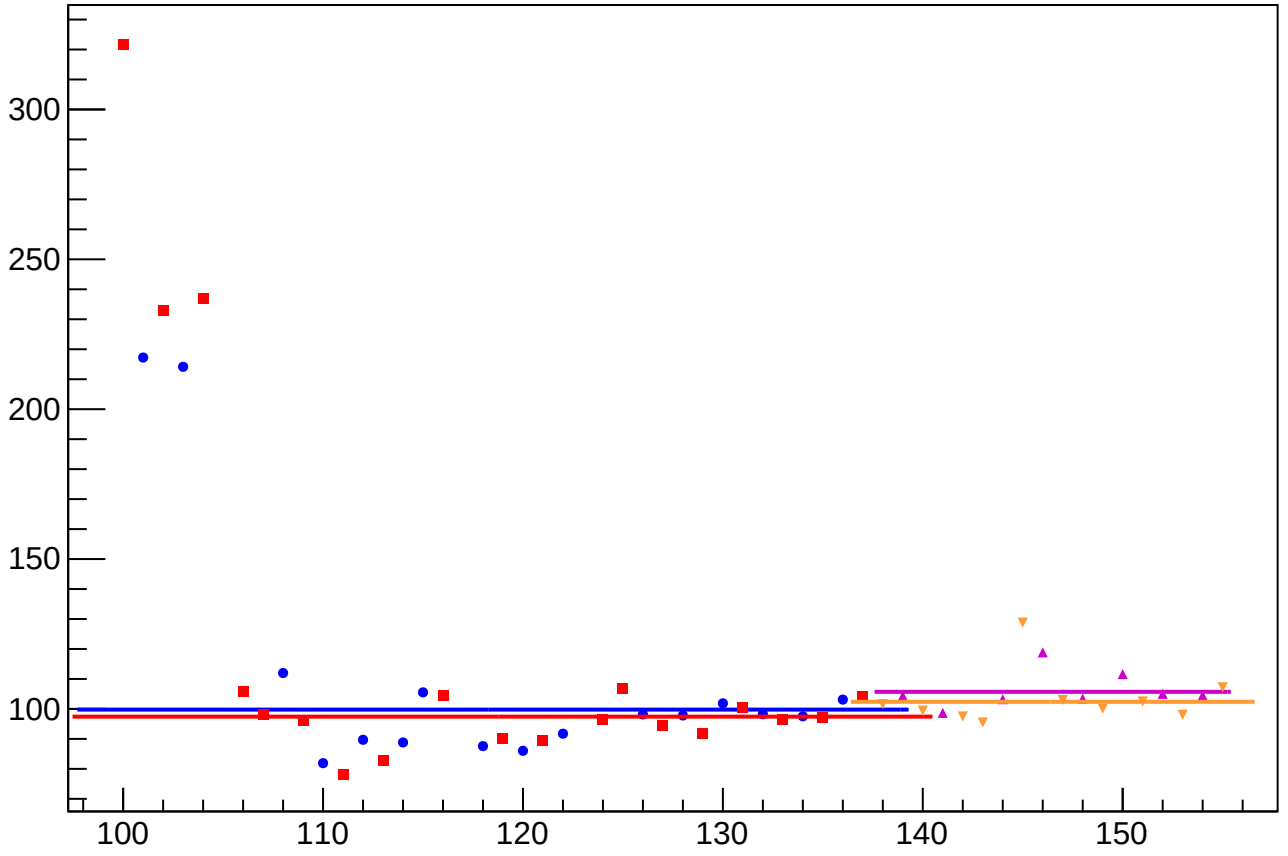
Left In: 6446.216+/-40.563 χ^2/NDF:9603.4/7

+ sign -4158.731+/-27.143 χ^2/NDF: 58642.8/25

All: -288.875+/-19.395 χ^2/NDF: 127229.6/52

- sign 3748.038+/-27.723 χ^2/NDF: 27054.8/26

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.380+/-0.026 χ^2/NDF:85158.5/9

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

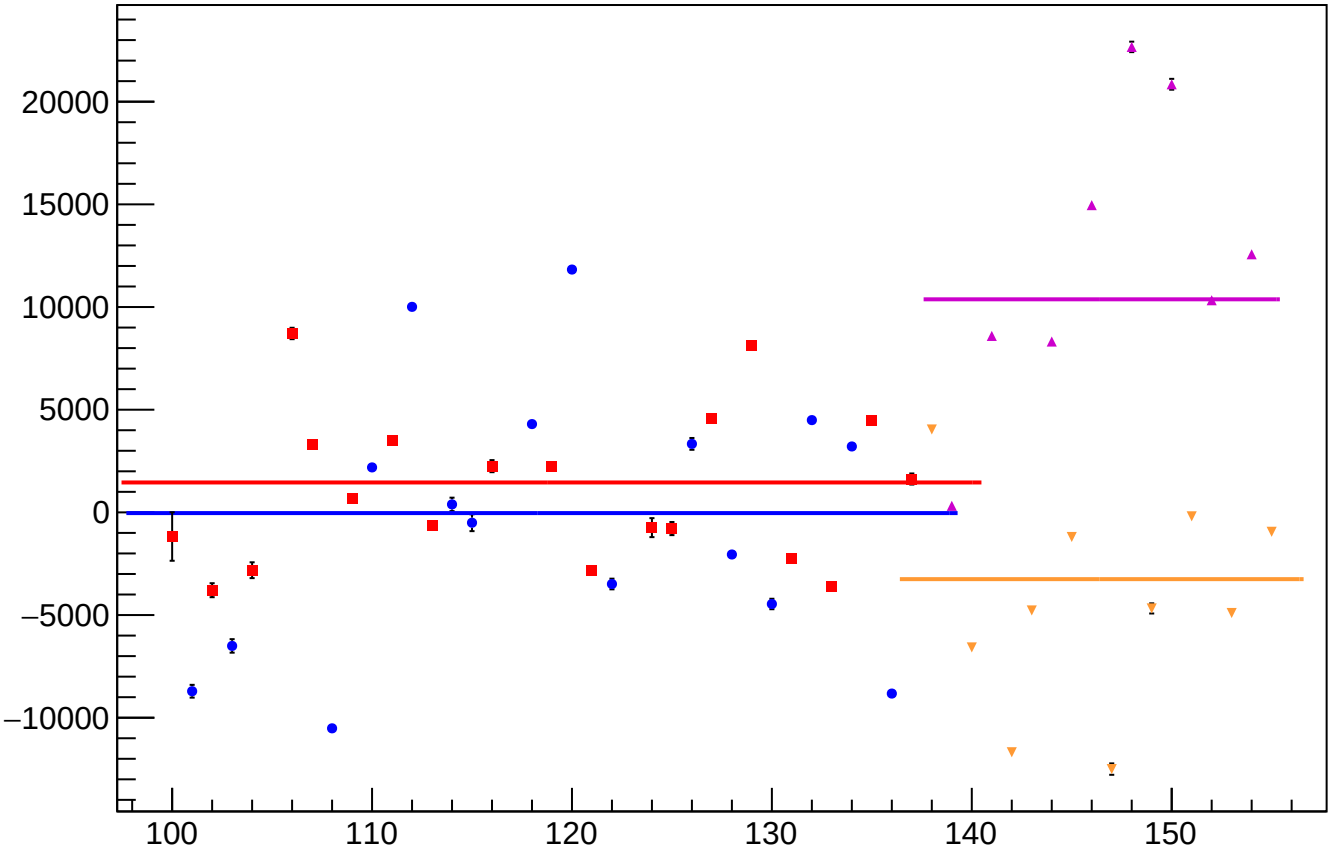
Left In: 105.706+/-0.029 χ^2/NDF:37570.0/7

+ sign 101.158+/-0.019 χ^2/NDF: 898899.7/25

All: 101.225+/-0.014 χ^2/NDF: 1906933.3/52

- sign 101.294+/-0.020 χ^2/NDF: 1008008.8/26

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3251.276+/-57.294 χ^2/NDF:5860.0/9

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

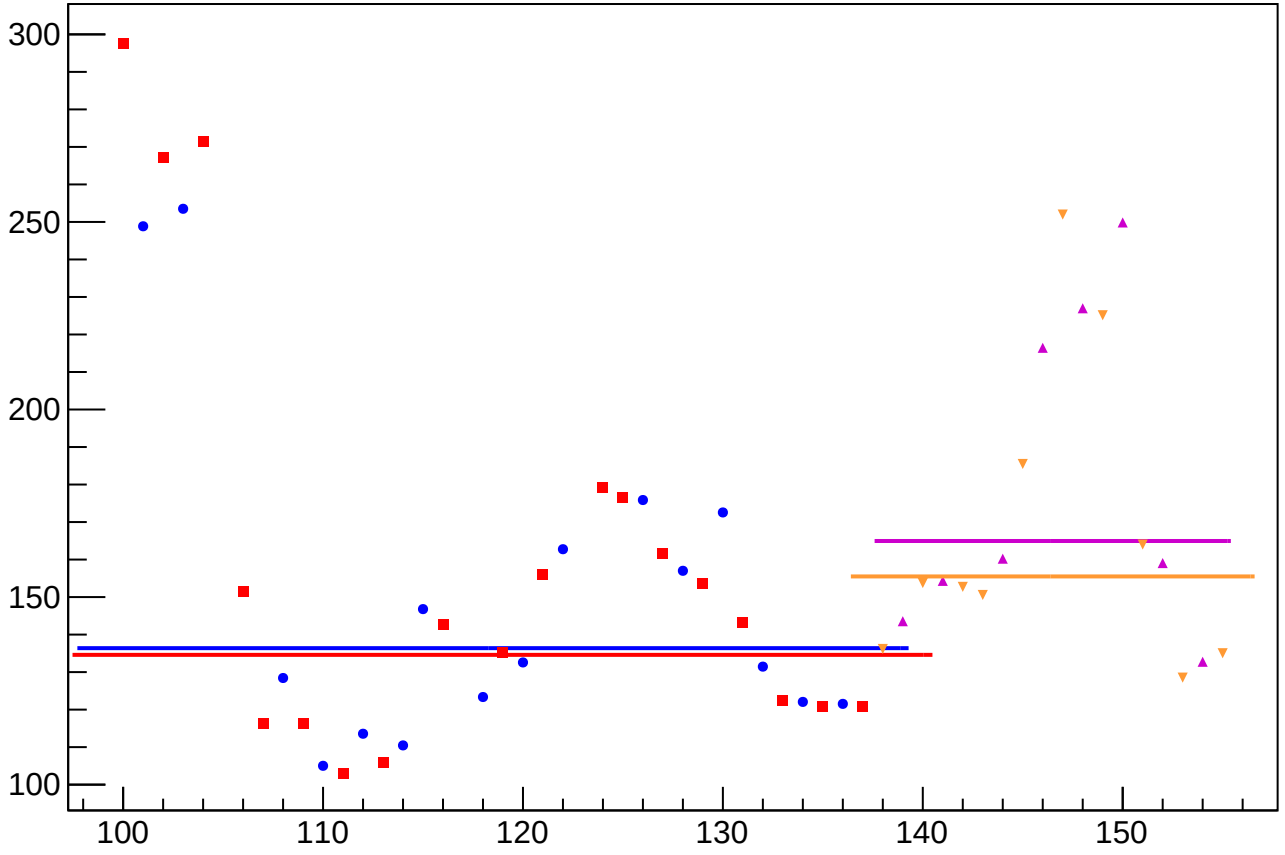
Left In: 10375.552+/-64.564 χ^2/NDF:8797.5/7

+ sign -1531.907+/-39.089 χ^2/NDF: 24347.6/25

All: 1601.885+/-28.117 χ^2/NDF: 62163.7/52

- sign 4961.394+/-40.473 χ^2/NDF: 24498.6/26

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 155.503+/-0.041 χ^2/NDF:588146.6/9

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

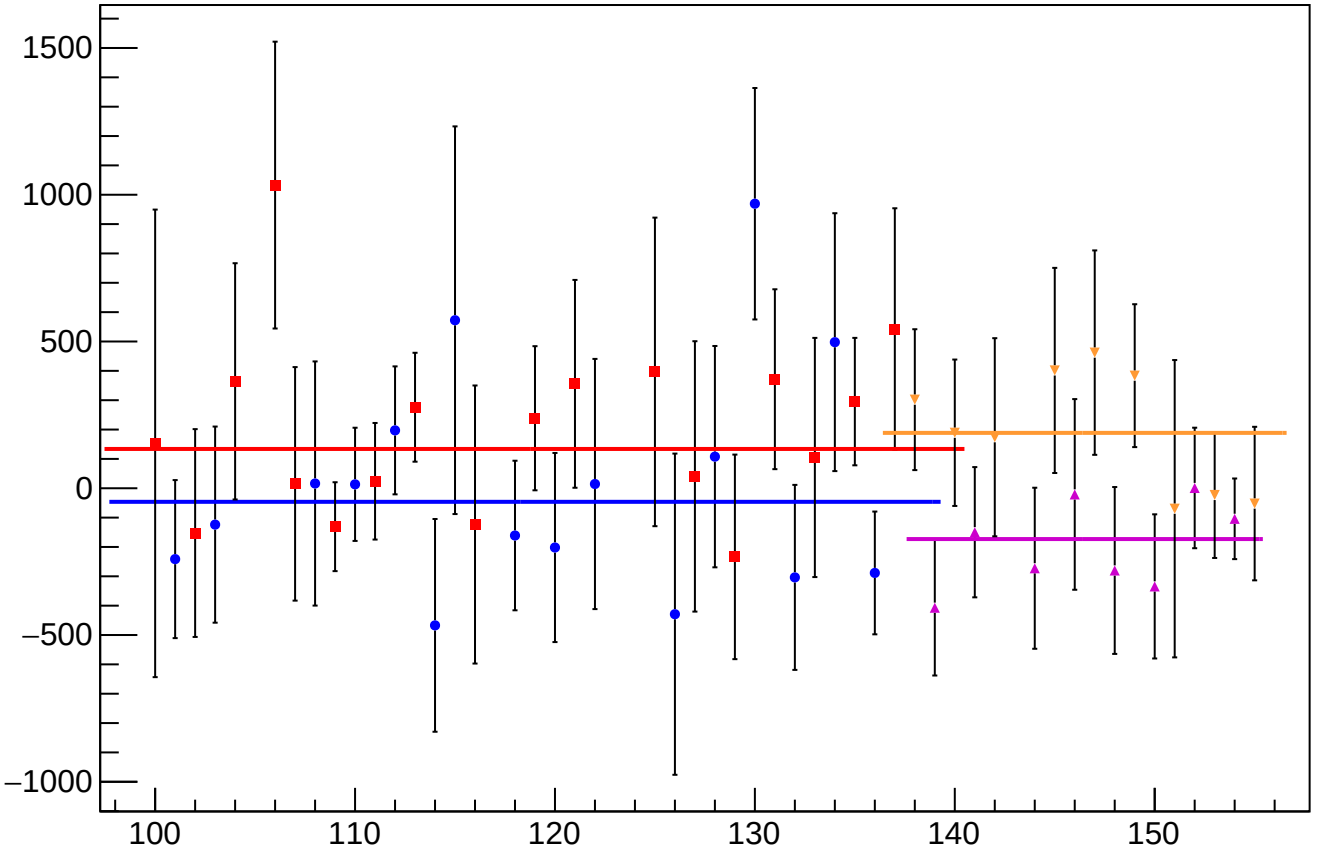
Left In: 164.951+/-0.046 χ^2/NDF:576148.6/7

+ sign 145.283+/-0.028 χ^2/NDF: 1504049.7/25

All: 145.883+/-0.020 χ^2/NDF: 3269099.4/52

- sign 146.525+/-0.029 χ^2/NDF: 1764074.2/26

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 188.690+/-92.935 χ^2/NDF:3.9/8

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

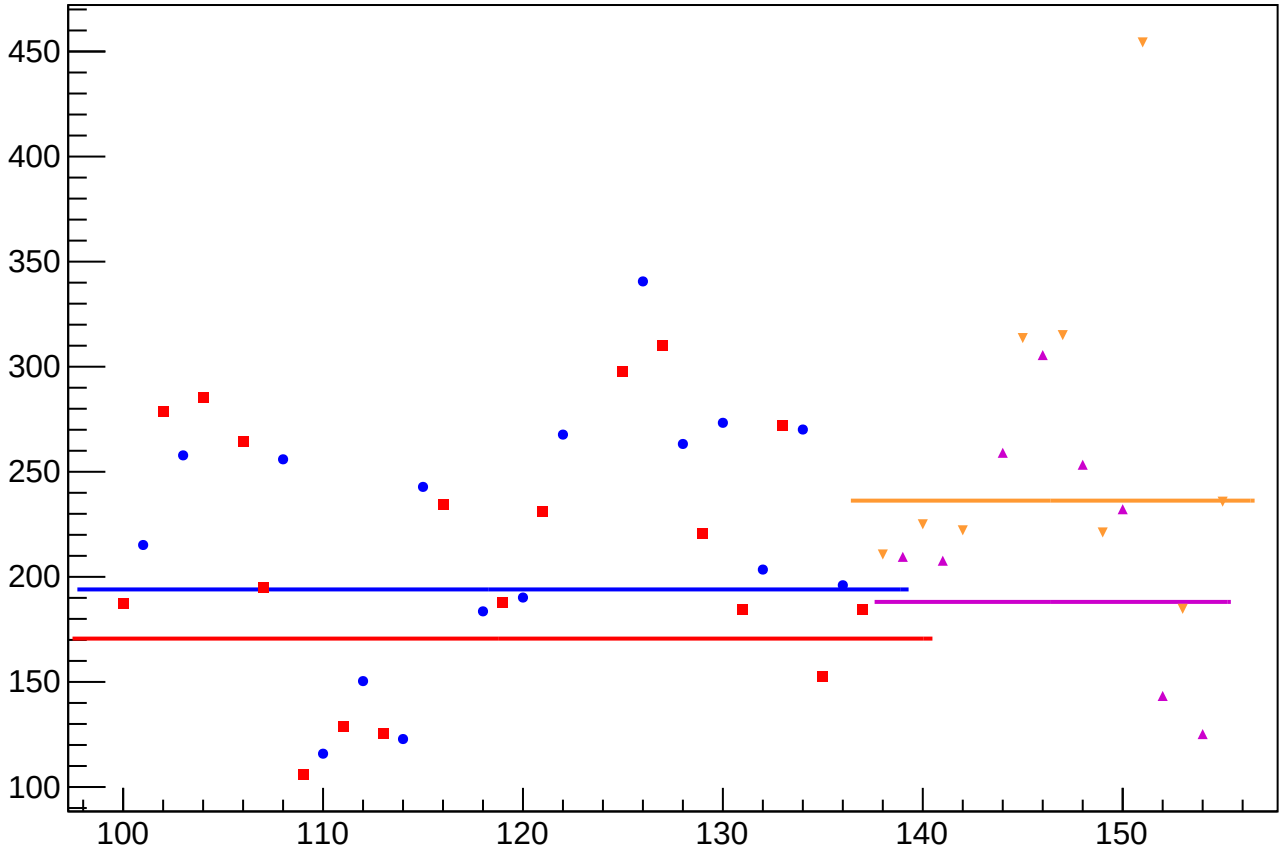
Left In: -173.075+/-77.266 χ^2/NDF:2.9/7

+ sign 48.353+/-58.963 χ^2/NDF: 23.2/24

All: 20.229+/-38.668 χ^2/NDF: 48.2/50

- sign -0.994+/-51.221 χ^2/NDF: 24.6/25

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 236.275+/-0.066 χ^2/NDF:724275.9/8

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

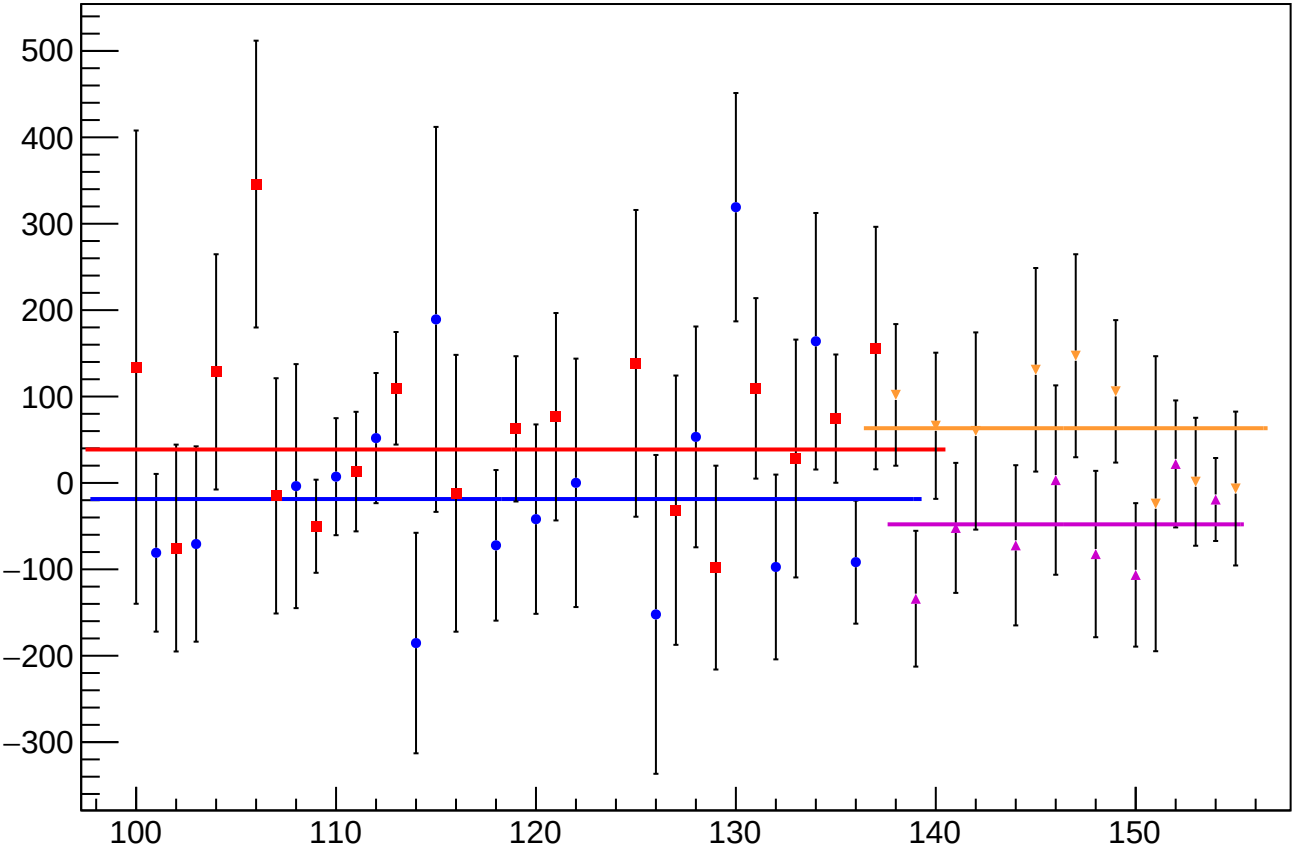
Left In: 188.084+/-0.055 χ^2/NDF:1112626.8/7

+ sign 211.028+/-0.042 χ^2/NDF: 2014929.3/24

All: 192.373+/-0.027 χ^2/NDF: 5129775.2/50

- sign 178.297+/-0.036 χ^2/NDF: 2763609.6/25

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 63.338+/-31.626 χ^2/NDF:2.9/8

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

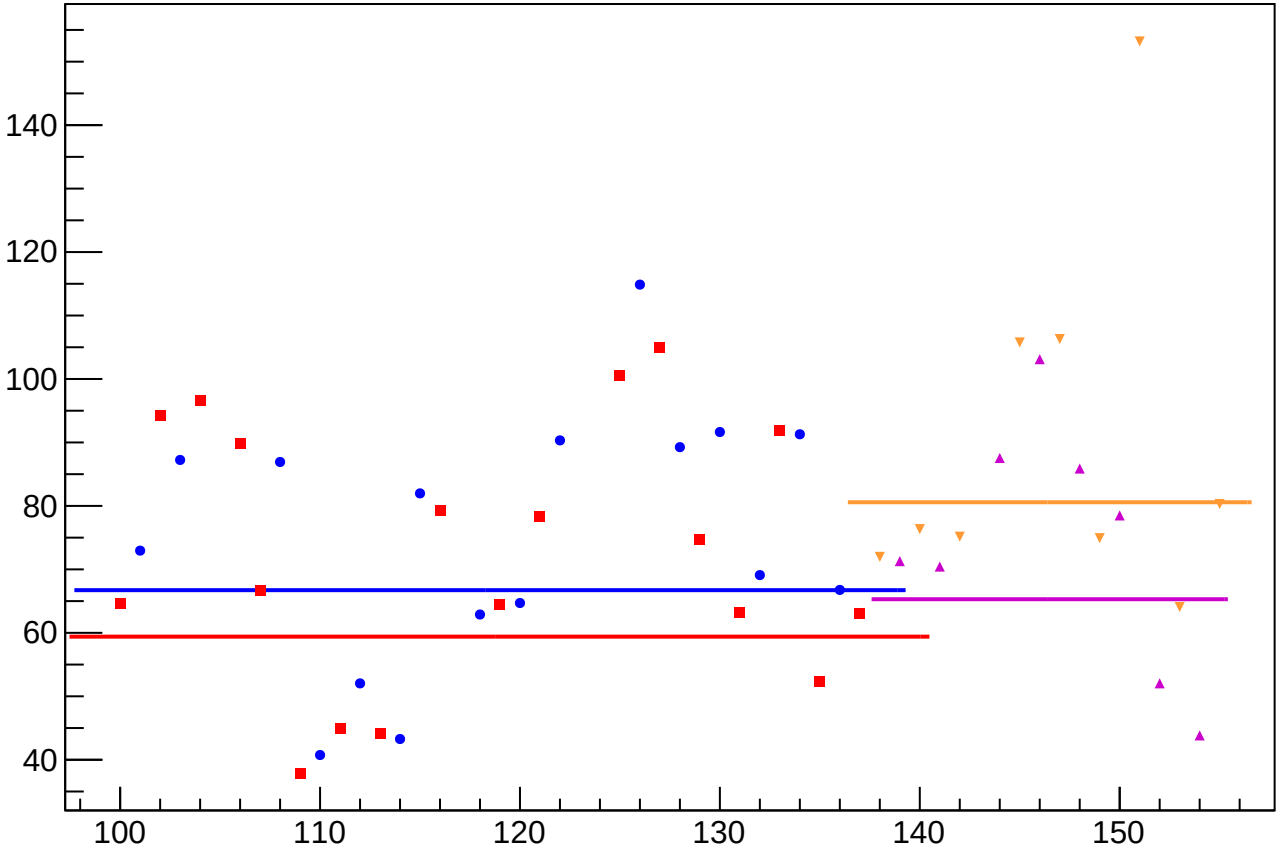
Left In: -47.922+/-26.633 χ^2/NDF:3.4/7

+ sign 14.603+/-20.141 χ^2/NDF: 22.1/24

All: 6.648+/-13.289 χ^2/NDF: 44.3/50

- sign 0.515+/-17.685 χ^2/NDF: 21.9/25

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 80.577+/-0.022 χ^2/NDF:689332.3/8

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

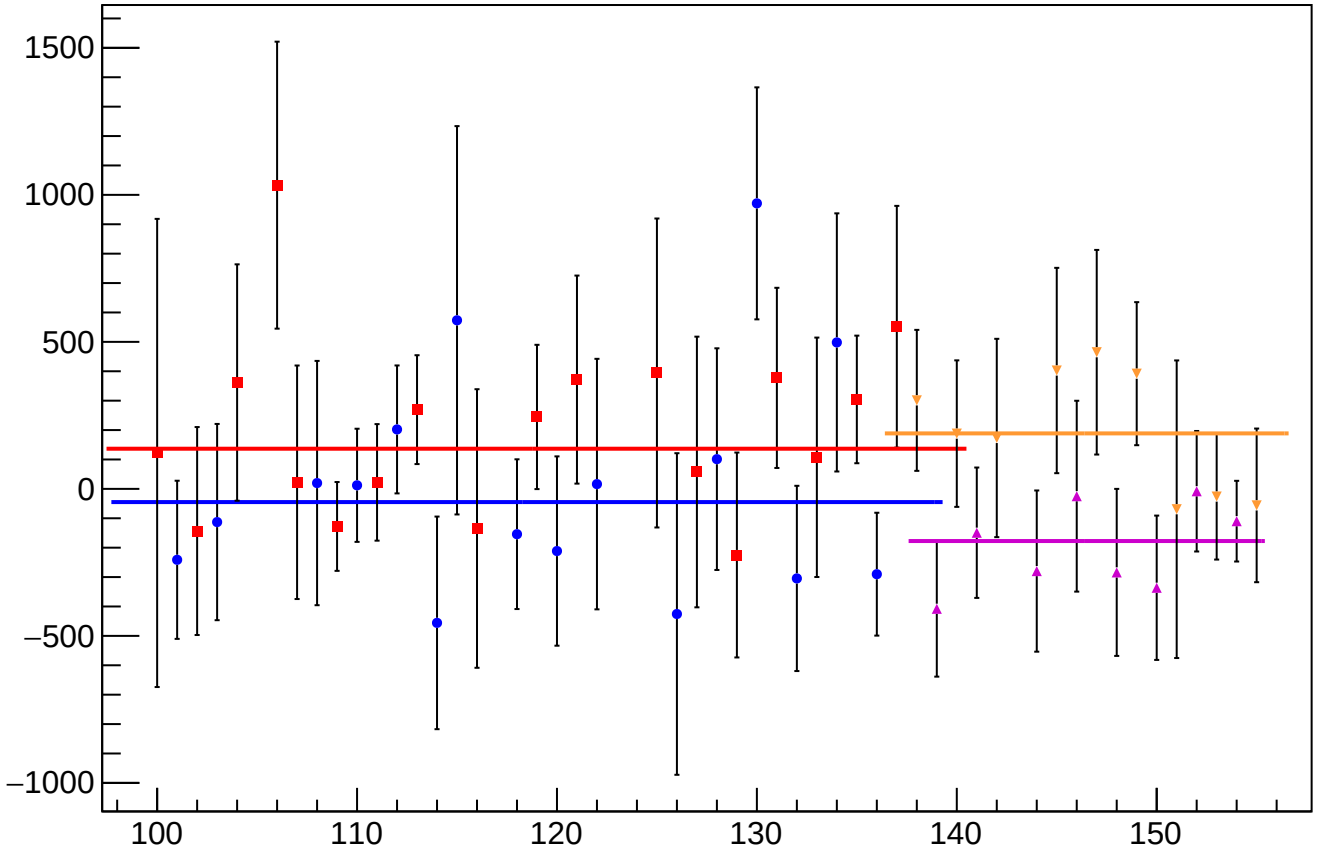
Left In: 65.297+/-0.019 χ^2/NDF:980747.8/7

+ sign 72.342+/-0.014 χ^2/NDF: 1864475.0/24

All: 66.503+/-0.009 χ^2/NDF: 4643166.4/50

- sign 62.001+/-0.013 χ^2/NDF: 2480932.4/25

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 188.694+/-92.857 χ^2/NDF:4.1/8

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

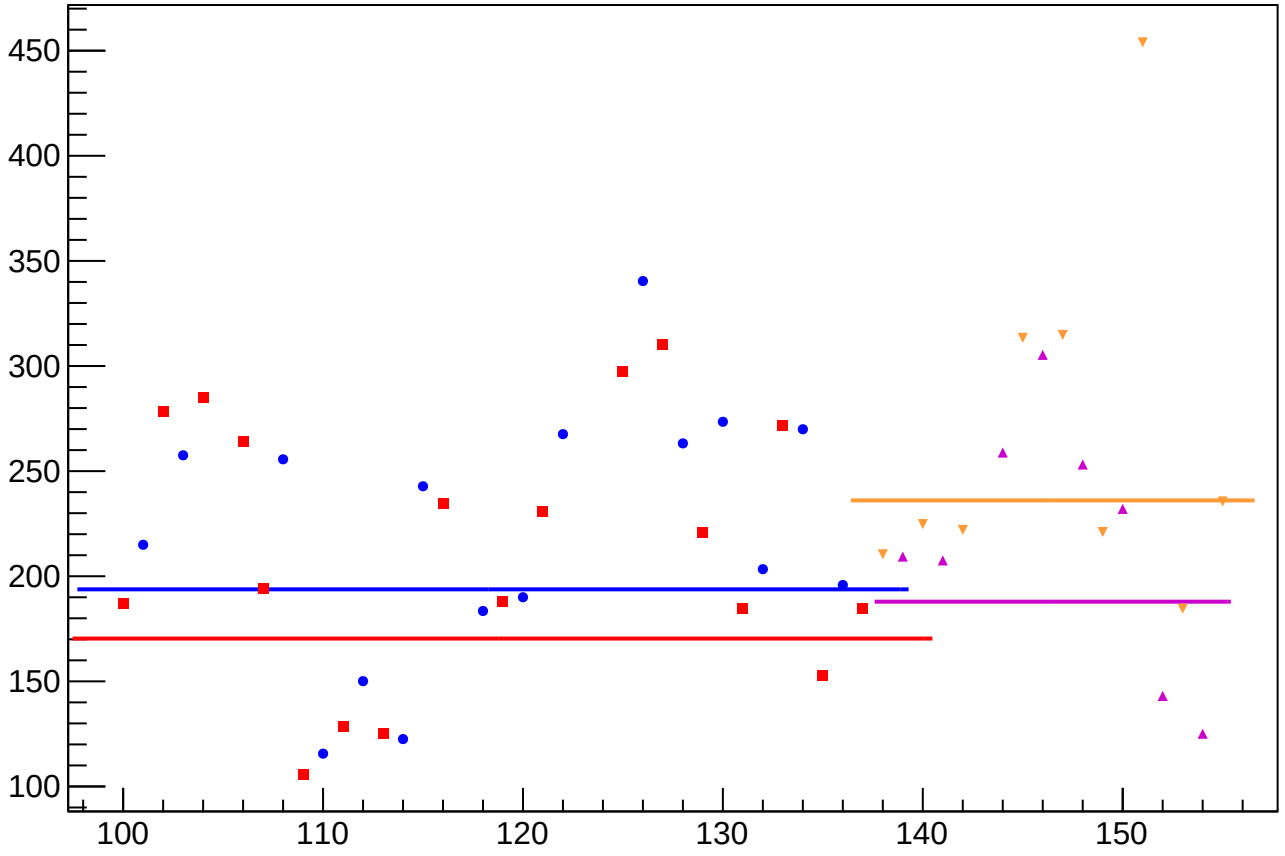
Left In: -177.415+/-77.196 χ^2/NDF:2.9/7

+ sign 49.089+/-58.904 χ^2/NDF: 23.3/24

All: 20.344+/-38.626 χ^2/NDF: 48.7/50

- sign -1.341+/-51.162 χ^2/NDF: 25.0/25

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 236.072+/-0.066 χ^2/NDF:724636.2/8

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

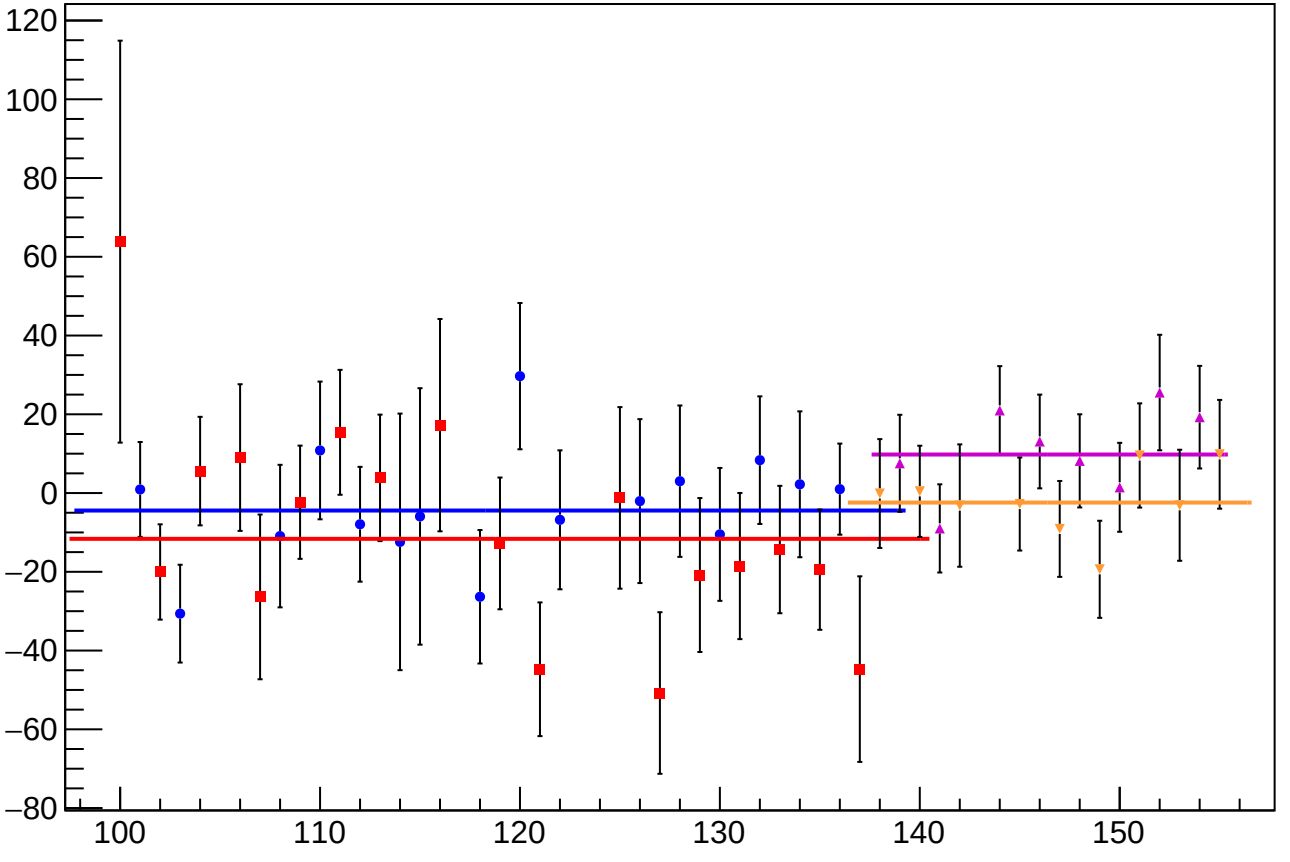
Left In: 187.902+/-0.055 χ^2/NDF:1113728.6/7

+ sign 210.791+/-0.042 χ^2/NDF: 2020805.8/24

All: 192.137+/-0.027 χ^2/NDF: 5143395.7/50

- sign 178.064+/-0.036 χ^2/NDF: 2770680.2/25

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -2.417+/-4.331 χ^2/NDF:3.9/8

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

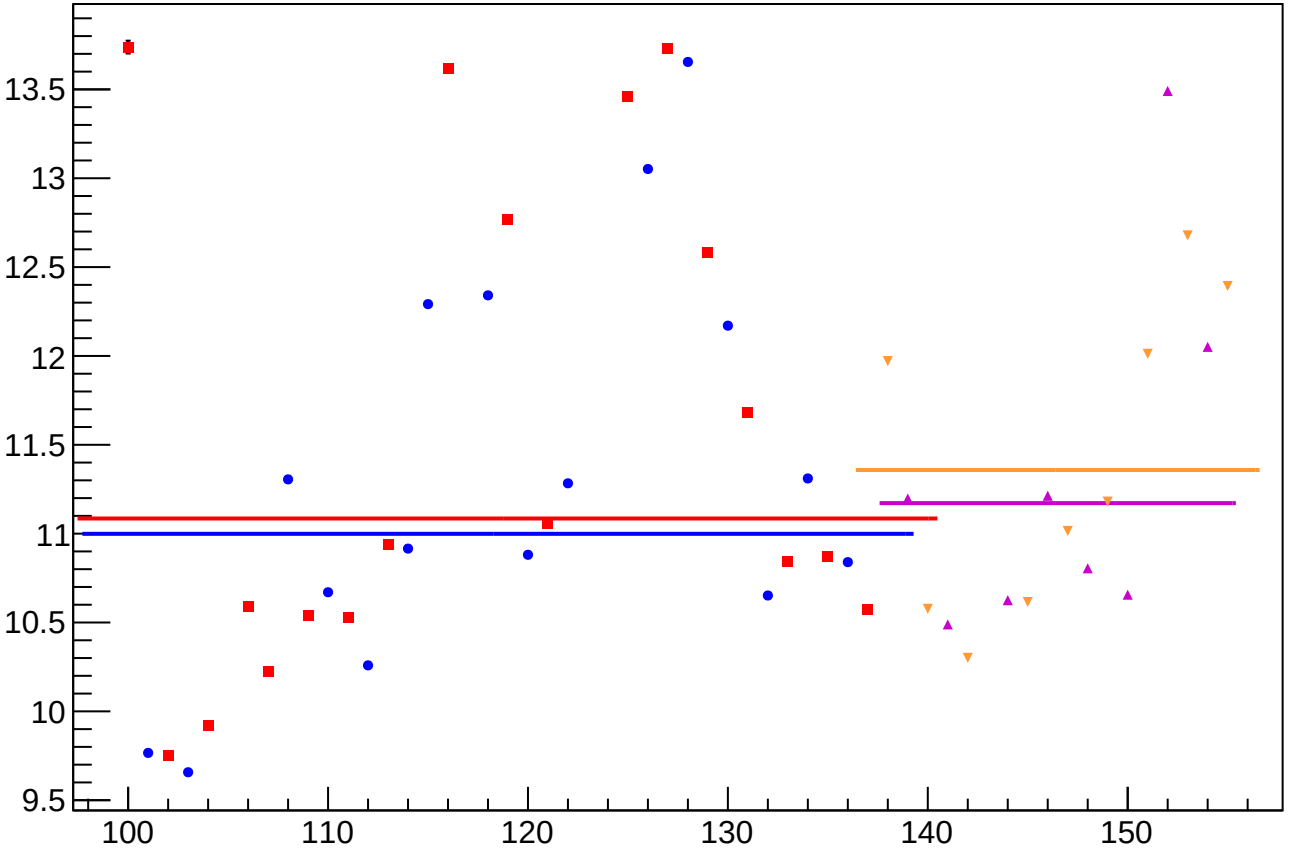
Left In: 9.784+/-4.261 χ^2/NDF:6.2/7

+ sign -3.476+/-2.989 χ^2/NDF: 16.0/24

All: -2.350+/-2.106 χ^2/NDF: 57.1/50

- sign -1.240+/-2.968 χ^2/NDF: 40.8/25

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.358+/-0.003 χ^2/NDF:65865.7/8

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

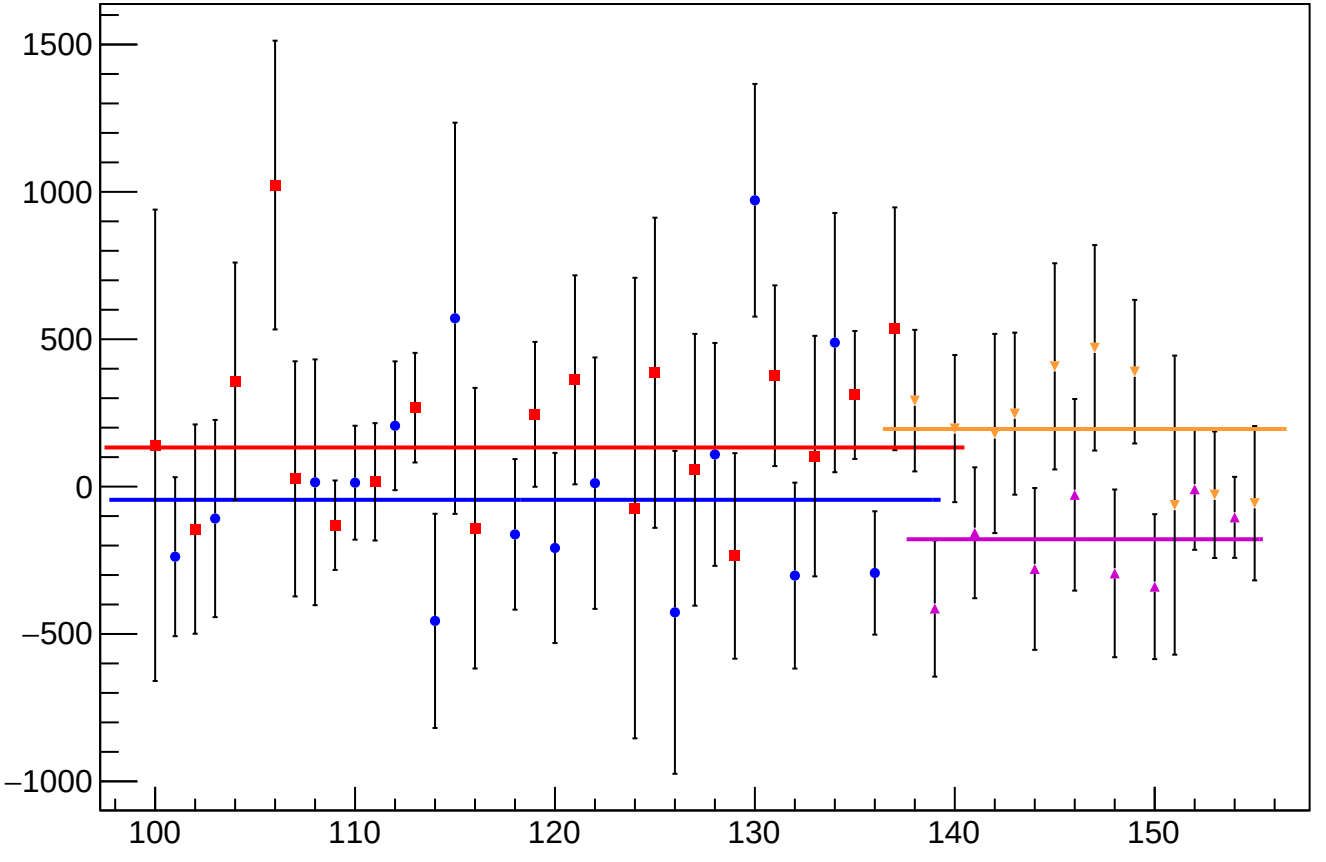
Left In: 11.172+/-0.003 χ^2/NDF:77391.4/7

+ sign 11.170+/-0.002 χ^2/NDF: 209222.6/24

All: 11.149+/-0.001 χ^2/NDF: 449449.4/50

- sign 11.127+/-0.002 χ^2/NDF: 240020.6/25

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 195.544+/-88.119 χ^2/NDF:4.1/9

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

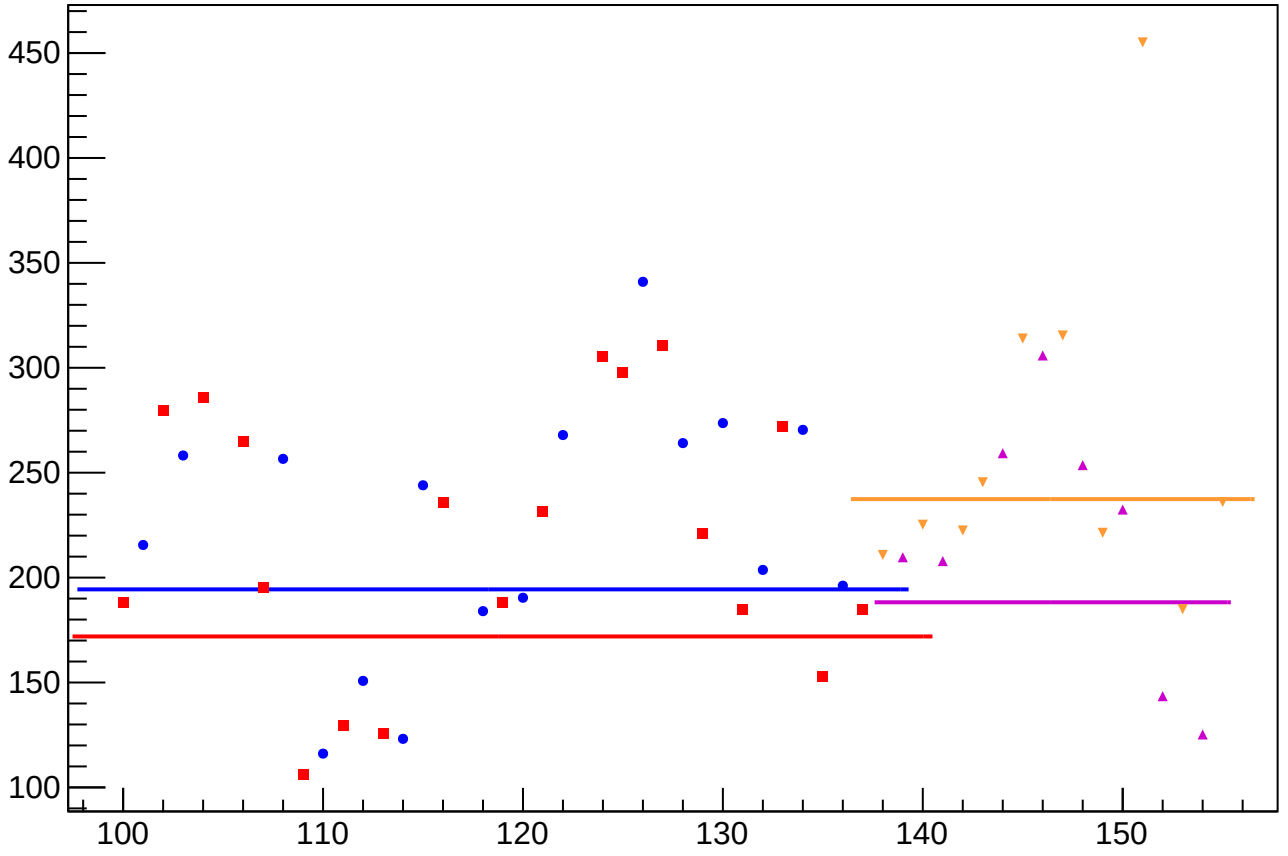
Left In: -178.611+/-77.333 χ^2/NDF:3.0/7

+ sign 58.376+/-57.735 χ^2/NDF: 23.8/25

All: 23.652+/-38.298 χ^2/NDF: 49.3/52

- sign -3.634+/-51.180 χ^2/NDF: 24.9/26

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 237.412+/-0.062 χ^2/NDF:727042.1/9

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

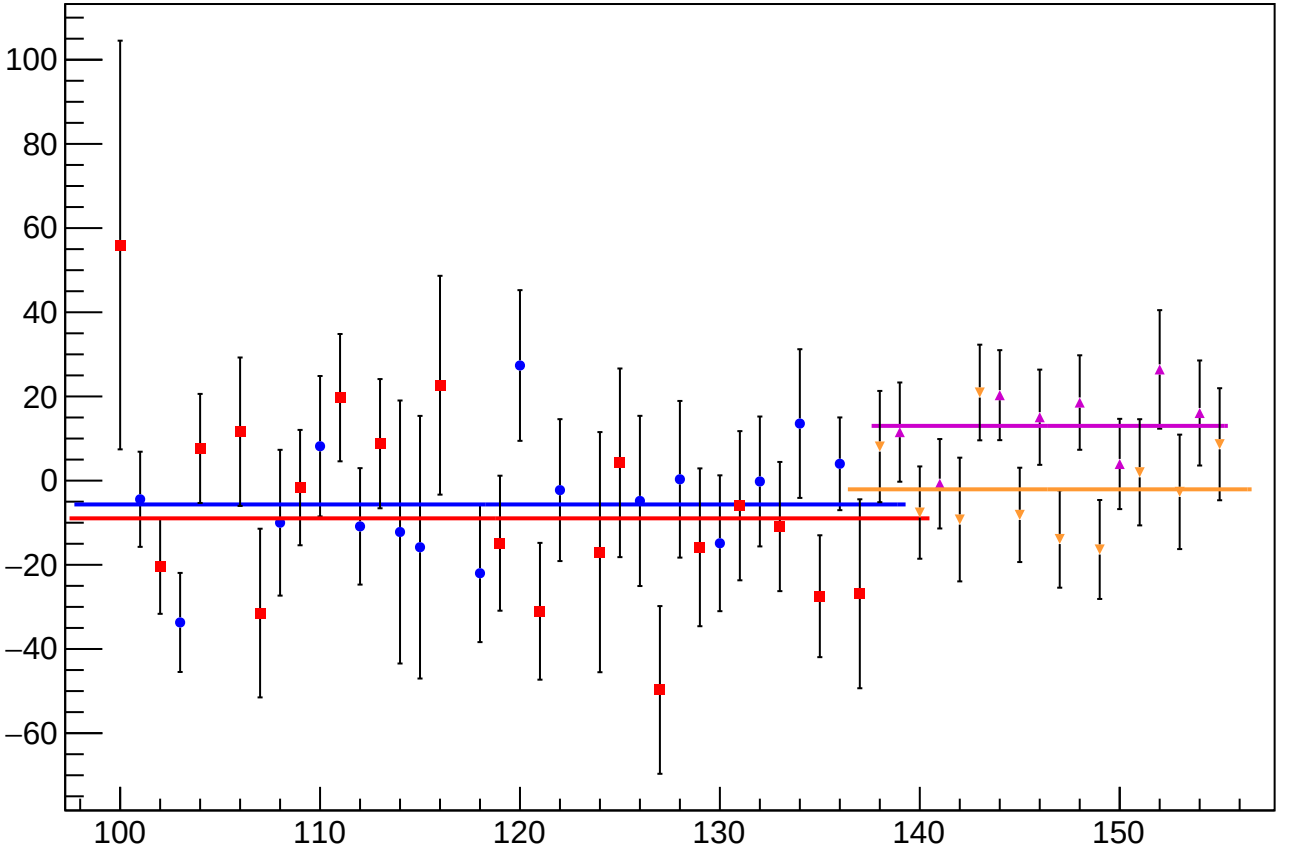
Left In: 188.233+/-0.055 χ^2/NDF:1113685.3/7

+ sign 212.856+/-0.041 χ^2/NDF: 2041212.1/25

All: 193.943+/-0.027 χ^2/NDF: 5239342.7/52

- sign 179.081+/-0.036 χ^2/NDF: 2814868.3/26

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -2.067+/-3.880 χ^2/NDF:8.7/9

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

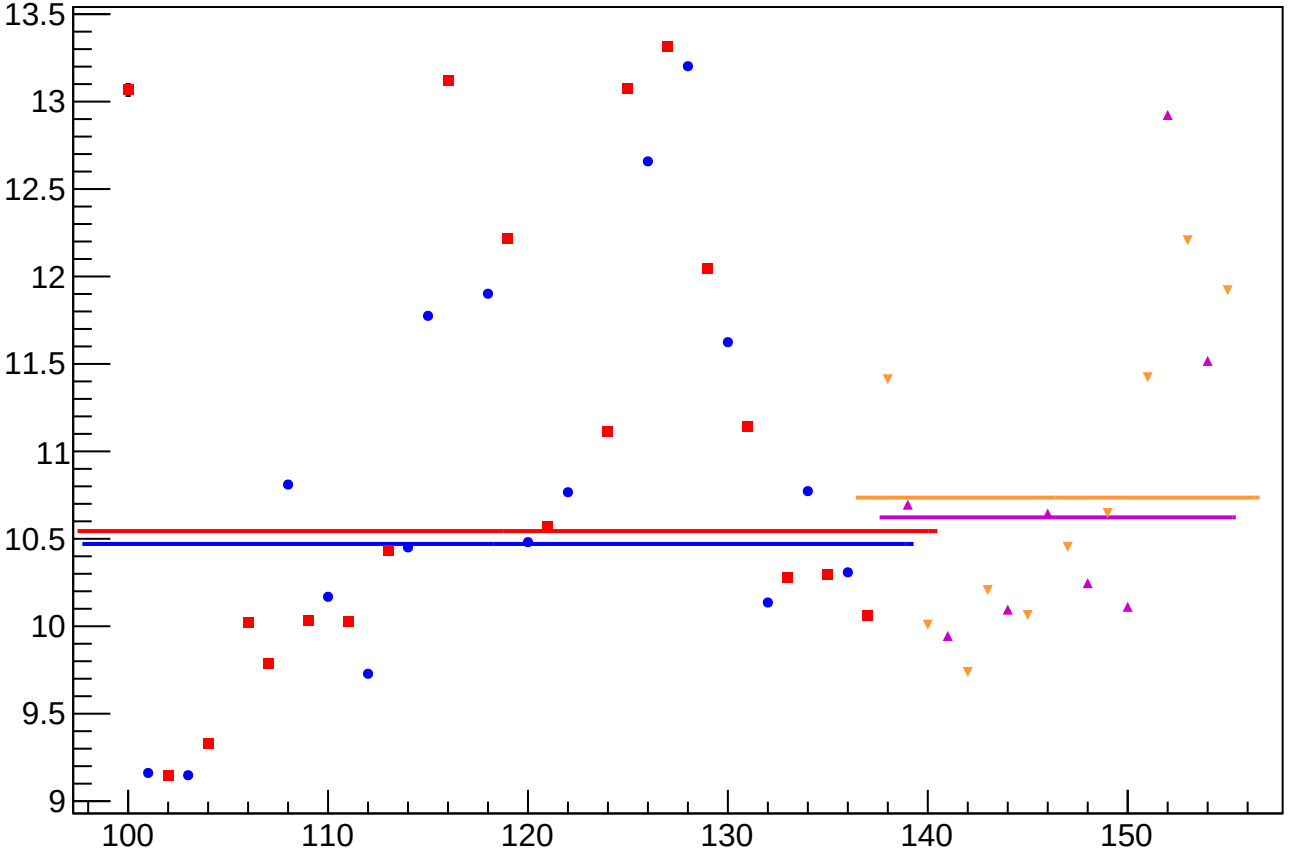
Left In: 13.009+/-4.058 χ^2/NDF:4.1/7

+ sign -3.835+/-2.764 χ^2/NDF: 22.8/25

All: -1.169+/-1.971 χ^2/NDF: 66.9/52

- sign 1.590+/-2.812 χ^2/NDF: 42.1/26

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.736+/-0.003 χ^2/NDF:81288.5/9

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

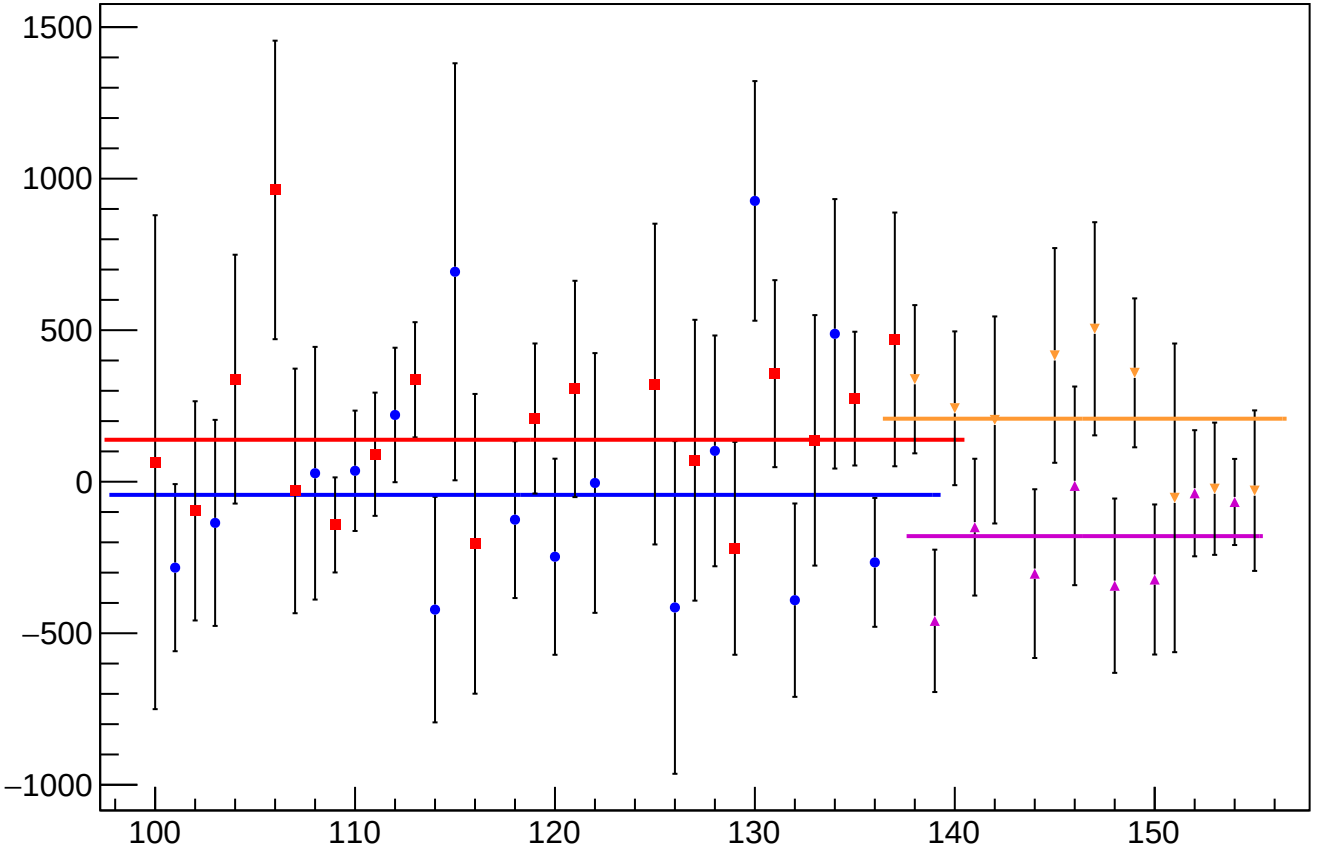
Left In: 10.623+/-0.003 χ^2/NDF:83583.0/7

+ sign 10.605+/-0.002 χ^2/NDF: 243247.7/25

All: 10.594+/-0.001 χ^2/NDF: 514066.3/52

- sign 10.582+/-0.002 χ^2/NDF: 270749.7/26

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 207.928+/-94.257 χ^2/NDF:3.9/8

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

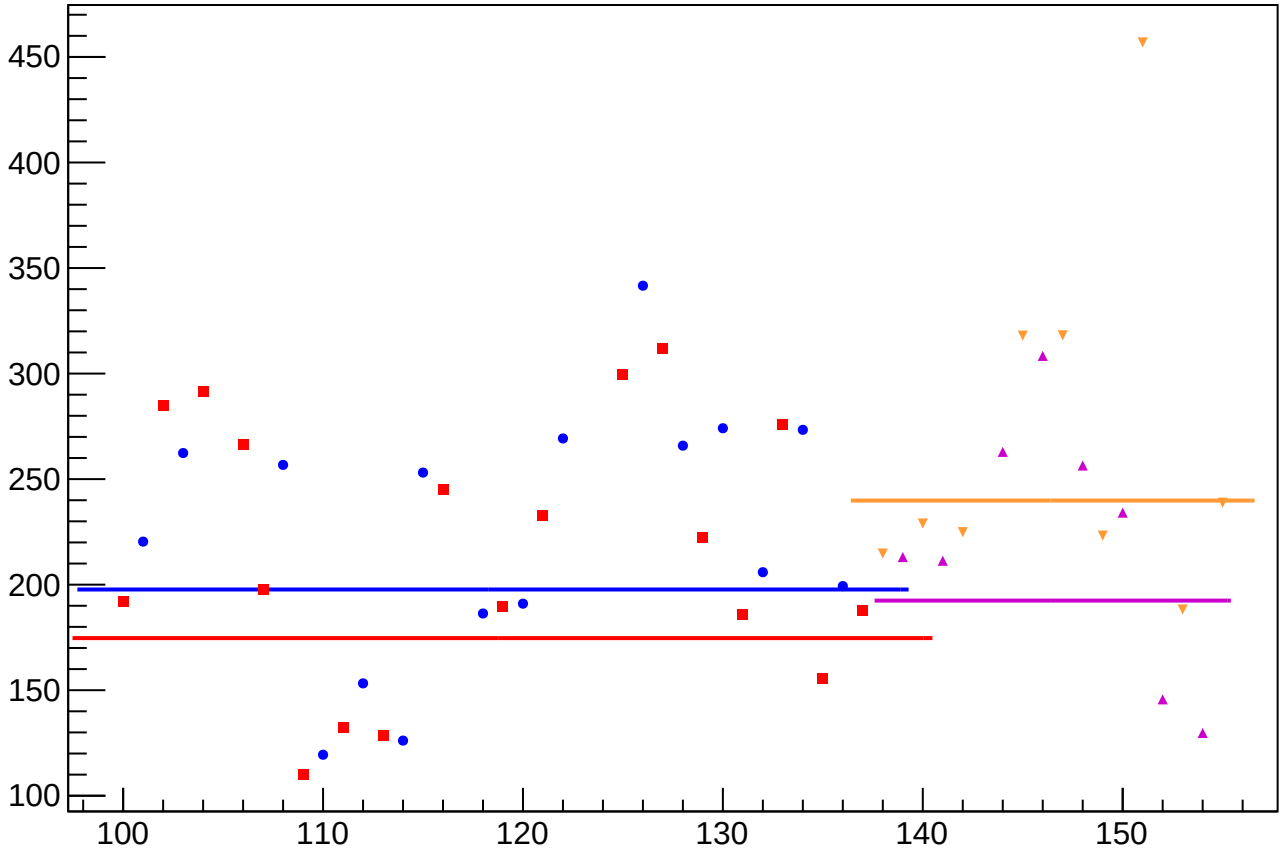
Left In: -179.520+/-78.815 χ^2/NDF:3.6/7

+ sign 58.115+/-59.902 χ^2/NDF: 23.6/24

All: 24.333+/-39.383 χ^2/NDF: 48.4/50

- sign -1.388+/-52.268 χ^2/NDF: 24.2/25

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 239.854+/-0.067 χ^2/NDF:709440.0/8

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

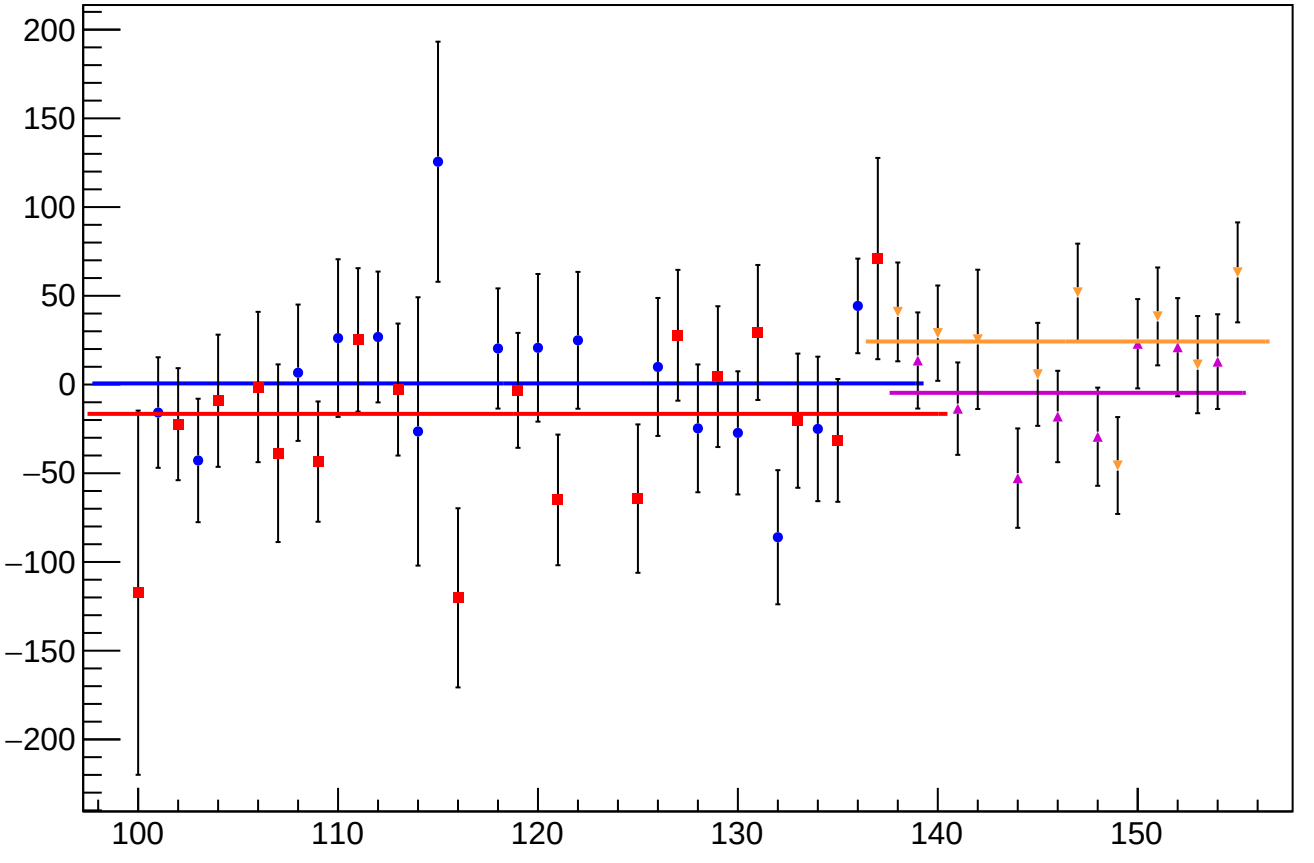
Left In: 192.452+/-0.056 χ^2/NDF:1054052.6/7

+ sign 214.729+/-0.042 χ^2/NDF: 1948137.5/24

All: 196.429+/-0.028 χ^2/NDF: 4922710.5/50

- sign 182.496+/-0.037 χ^2/NDF: 2645780.0/25

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 24.240+/-9.497 χ^2/NDF:10.8/8

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

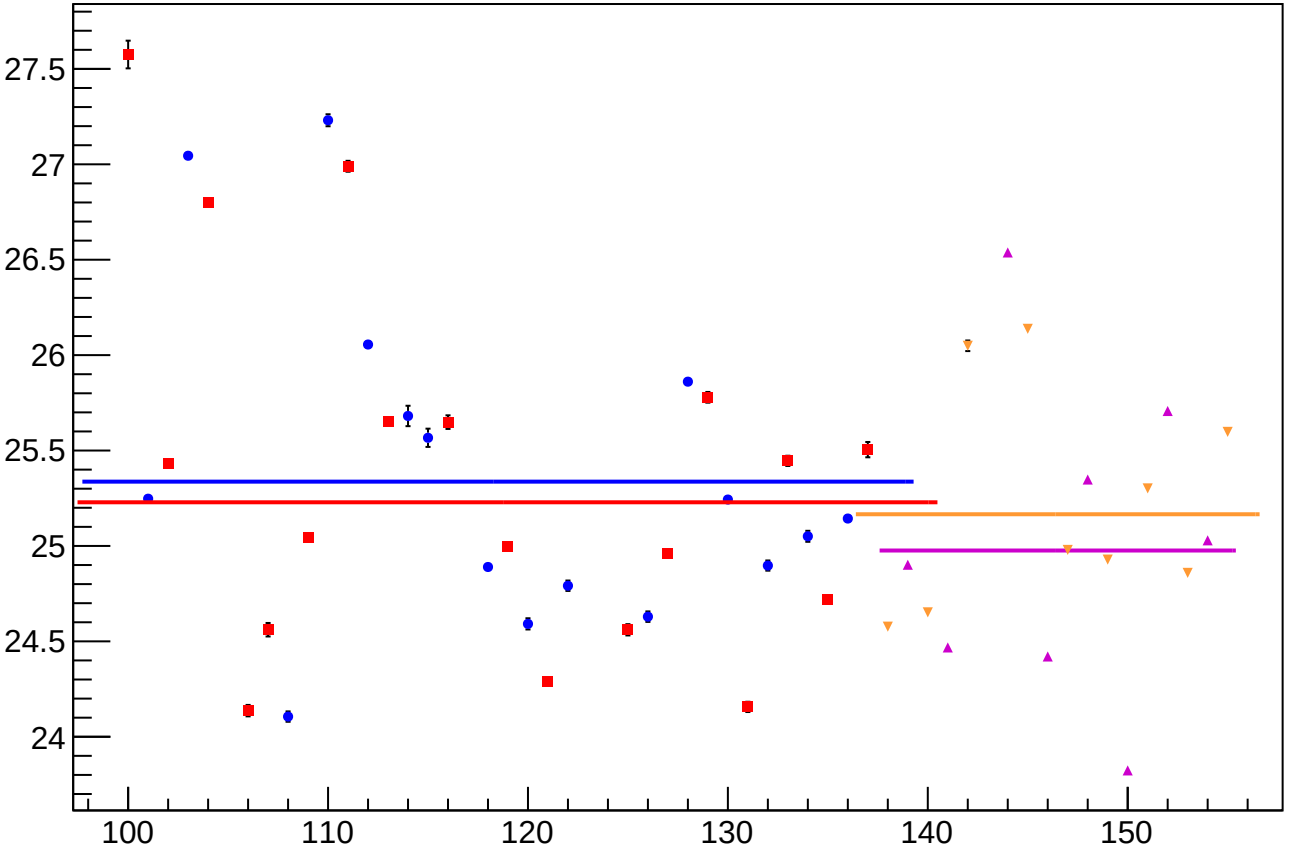
Left In: -4.681+/-9.441 χ^2/NDF:7.1/7

\+ sign 12.335+/-6.689 χ^2/NDF: 30.6/24

All: 0.716+/-4.708 χ^2/NDF: 60.9/50

\- sign -10.692+/-6.628 χ^2/NDF: 24.3/25

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.166+/-0.007 χ^2/NDF:5895.6/8

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

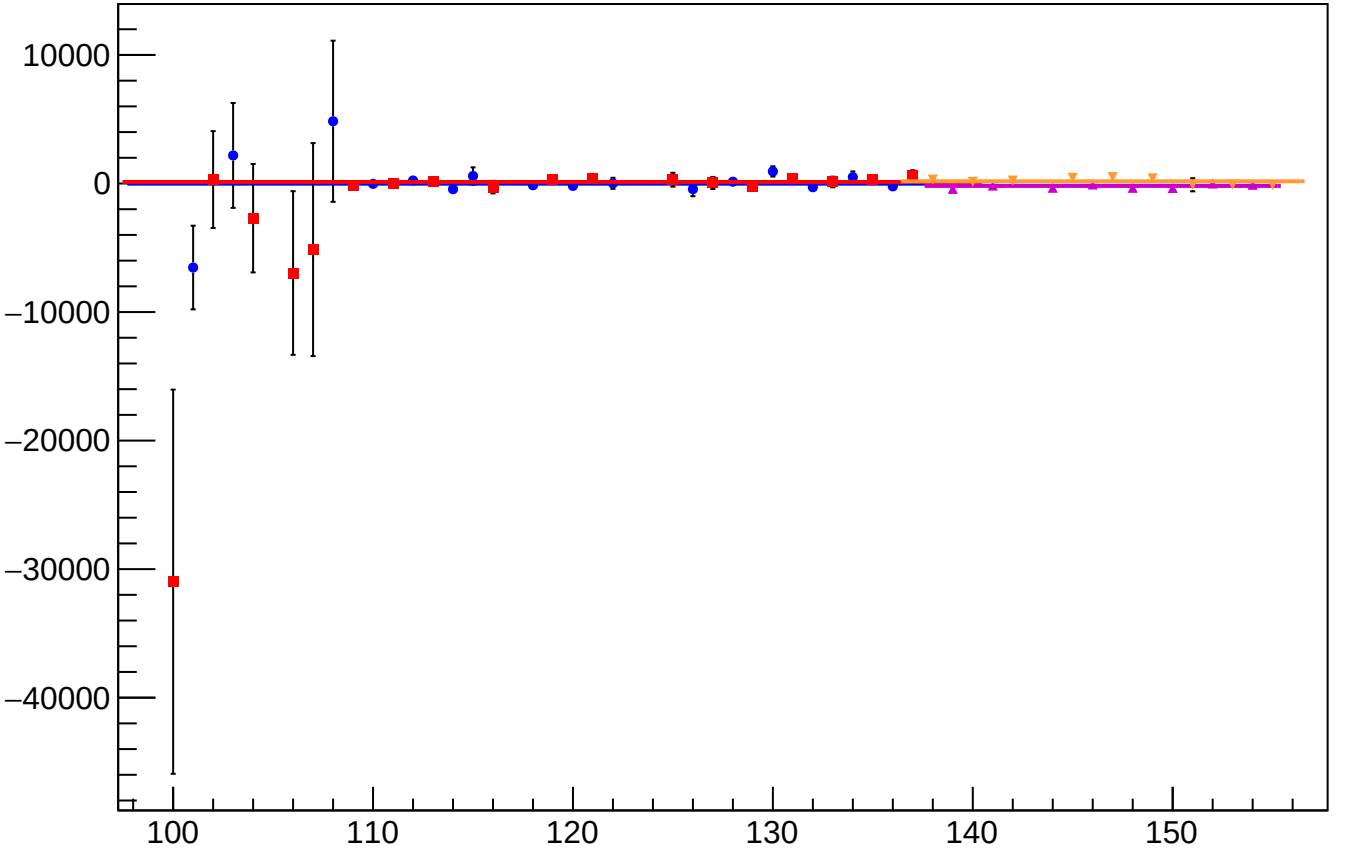
Left In: 24.976+/-0.007 χ^2/NDF:13888.4/7

+ sign 25.252+/-0.005 χ^2/NDF: 20537.1/24

All: 25.178+/-0.003 χ^2/NDF: 50822.6/50

- sign 25.104+/-0.005 χ^2/NDF: 29791.3/25

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 171.646+/-95.570 χ^2/NDF:5.2/8

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

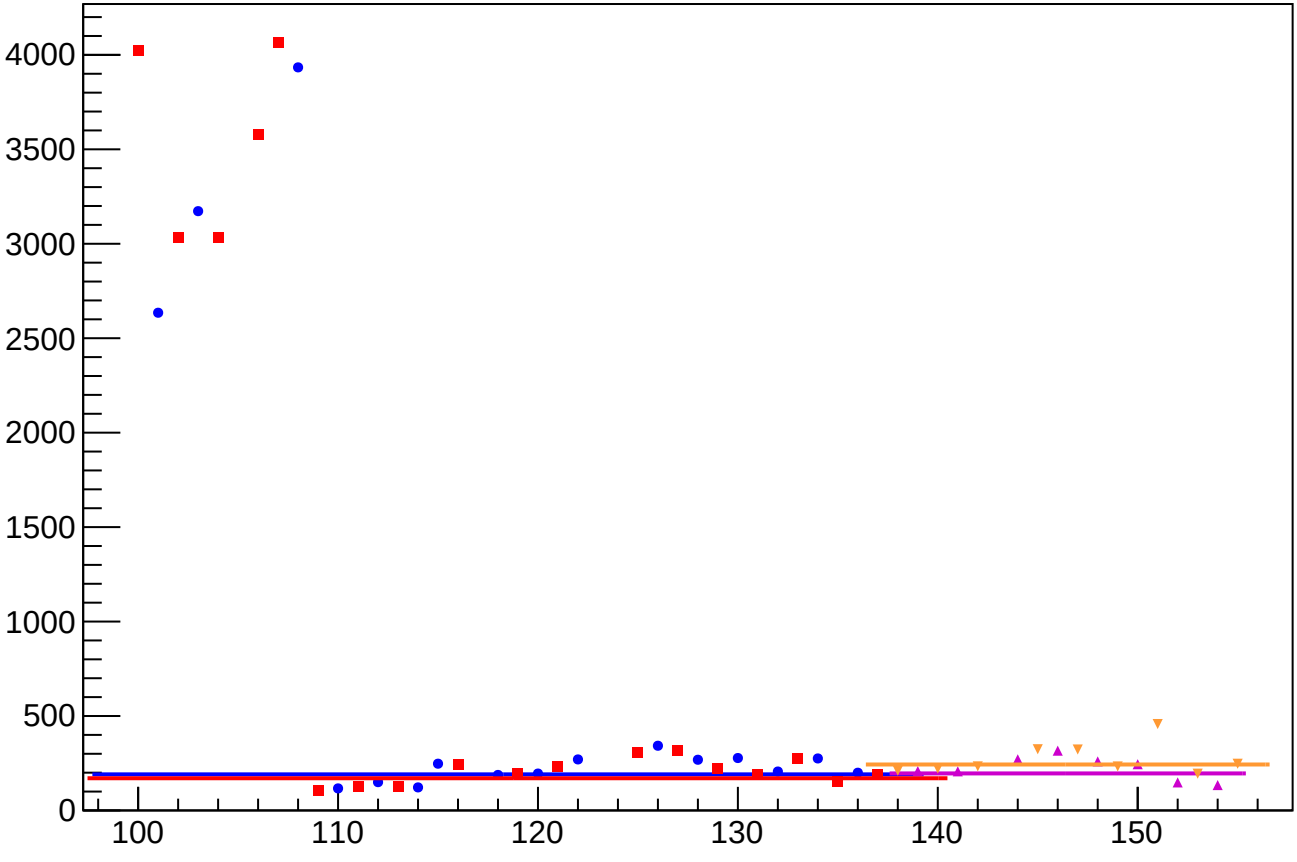
Left In: -187.434+/-80.152 χ^2/NDF:3.2/7

+ sign 67.875+/-63.285 χ^2/NDF: 25.7/24

All: 12.957+/-41.934 χ^2/NDF: 52.1/50

- sign -30.029+/-55.990 χ^2/NDF: 25.1/25

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 243.324+/-0.068 χ^2/NDF:705127.1/8

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

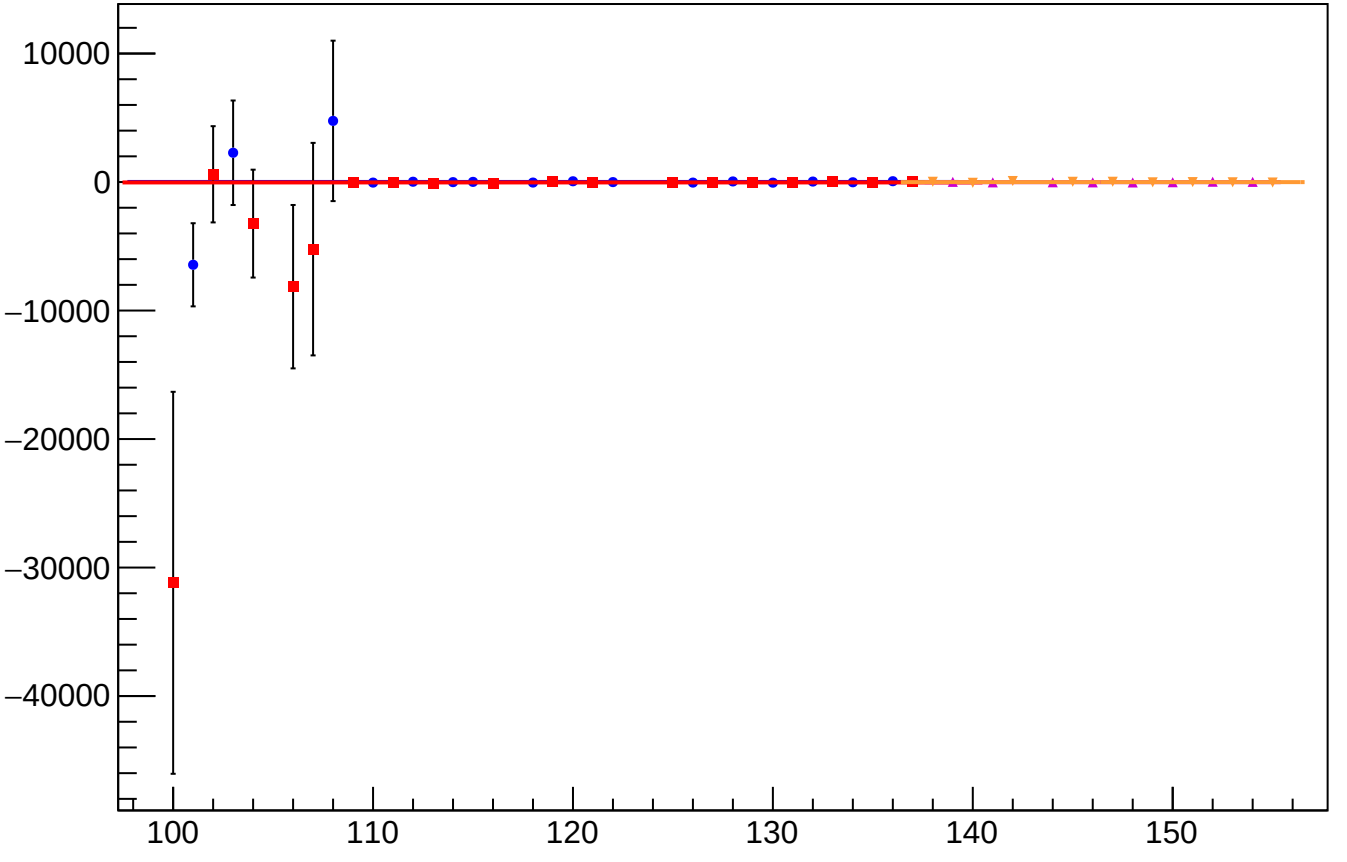
Left In: 196.057+/-0.057 χ^2/NDF:1022001.8/7

+ sign 213.982+/-0.045 χ^2/NDF: 4874804.5/24

All: 196.586+/-0.030 χ^2/NDF: 10525236.0/50

- sign 182.968+/-0.040 χ^2/NDF: 5380990.3/25

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -5.930+/-11.178 χ^2/NDF:9.5/8

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

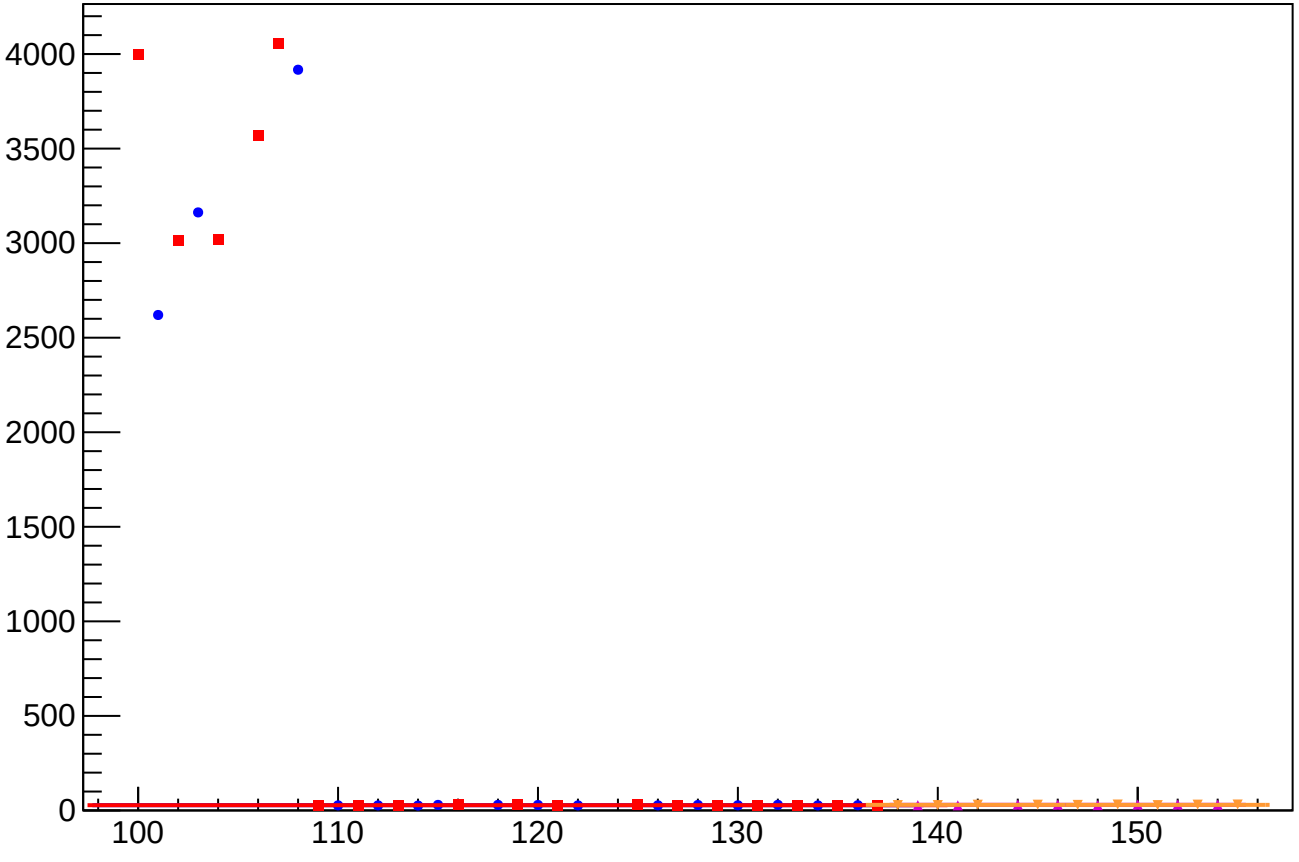
Left In: -7.483+/-11.307 χ^2/NDF:3.3/7

+ sign -0.037+/-8.103 χ^2/NDF: 28.4/24

All: -9.018+/-5.783 χ^2/NDF: 56.0/50

- sign -18.340+/-8.256 χ^2/NDF: 25.1/25

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.567+/-0.008 χ^2/NDF:24704.9/8

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

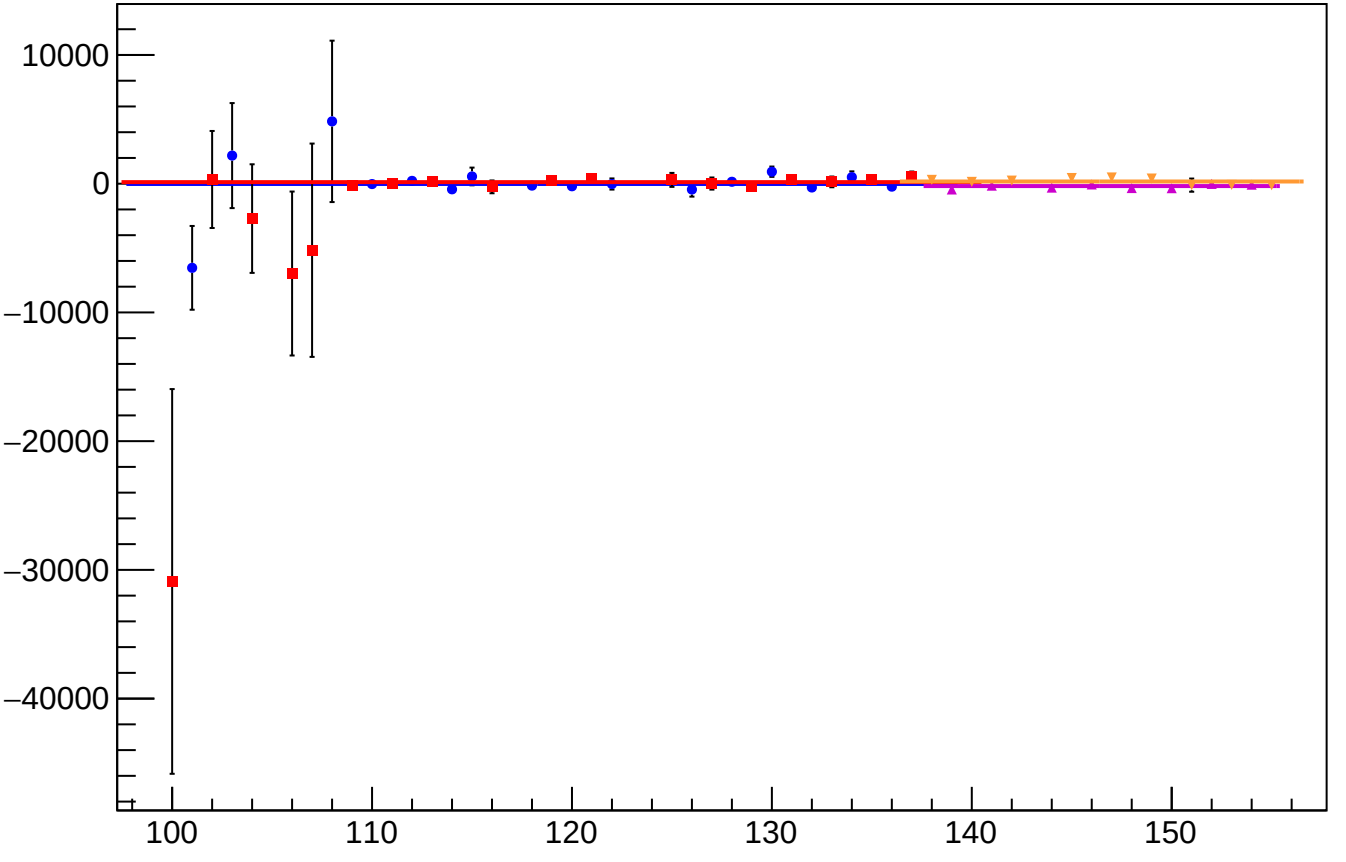
Left In: 29.825+/-0.008 χ^2/NDF:42678.4/7

+ sign 28.740+/-0.006 χ^2/NDF: 3313643.3/24

All: 28.804+/-0.004 χ^2/NDF: 6945560.8/50

- sign 28.869+/-0.006 χ^2/NDF: 3631667.9/25

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 171.779+/-96.125 χ^2/NDF:5.2/8

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

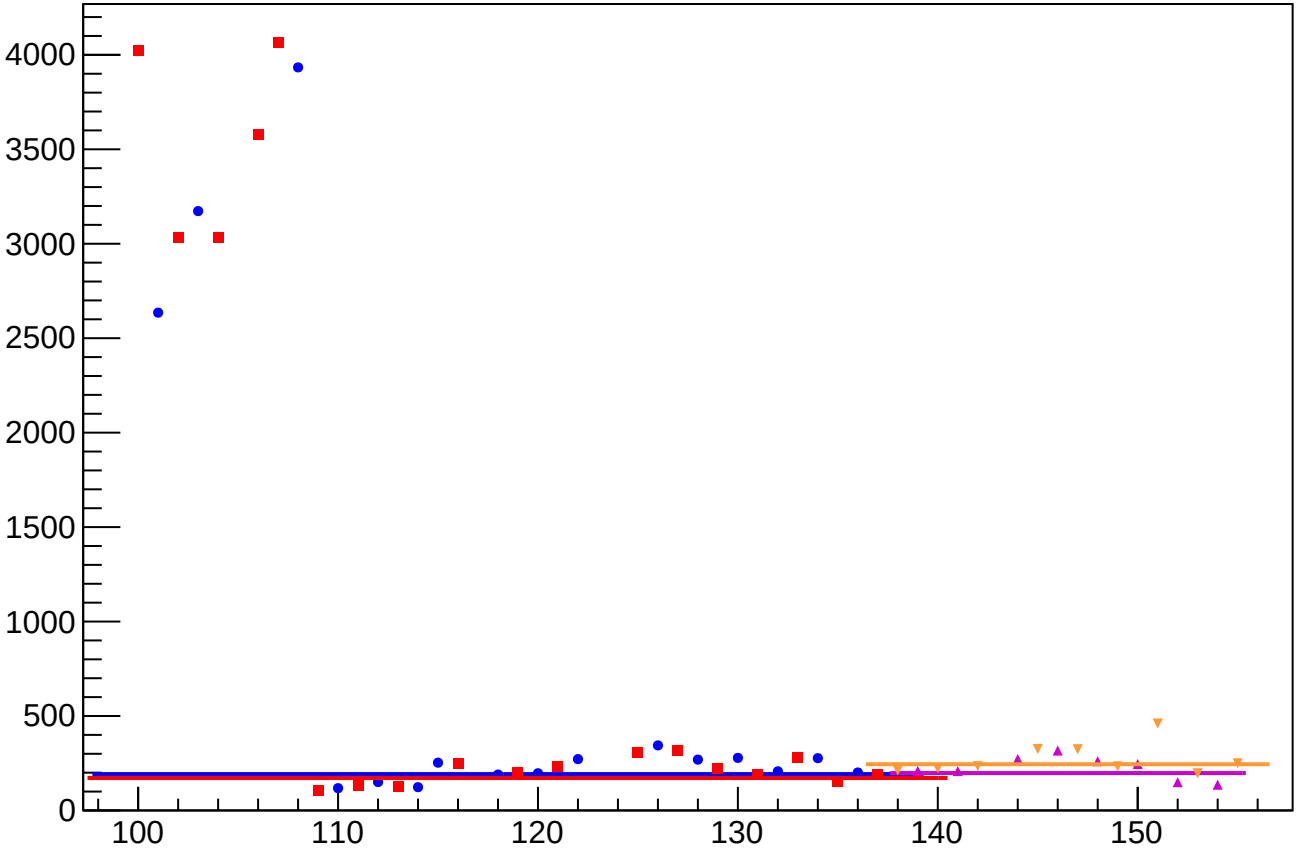
Left In: -184.340+/-80.837 χ^2/NDF:3.5/7

+ sign 64.493+/-63.702 χ^2/NDF: 25.6/24

All: 12.913+/-42.245 χ^2/NDF: 50.8/50

- sign -27.580+/-56.442 χ^2/NDF: 24.1/25

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 244.804+/-0.068 χ^2/NDF:700253.6/8

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

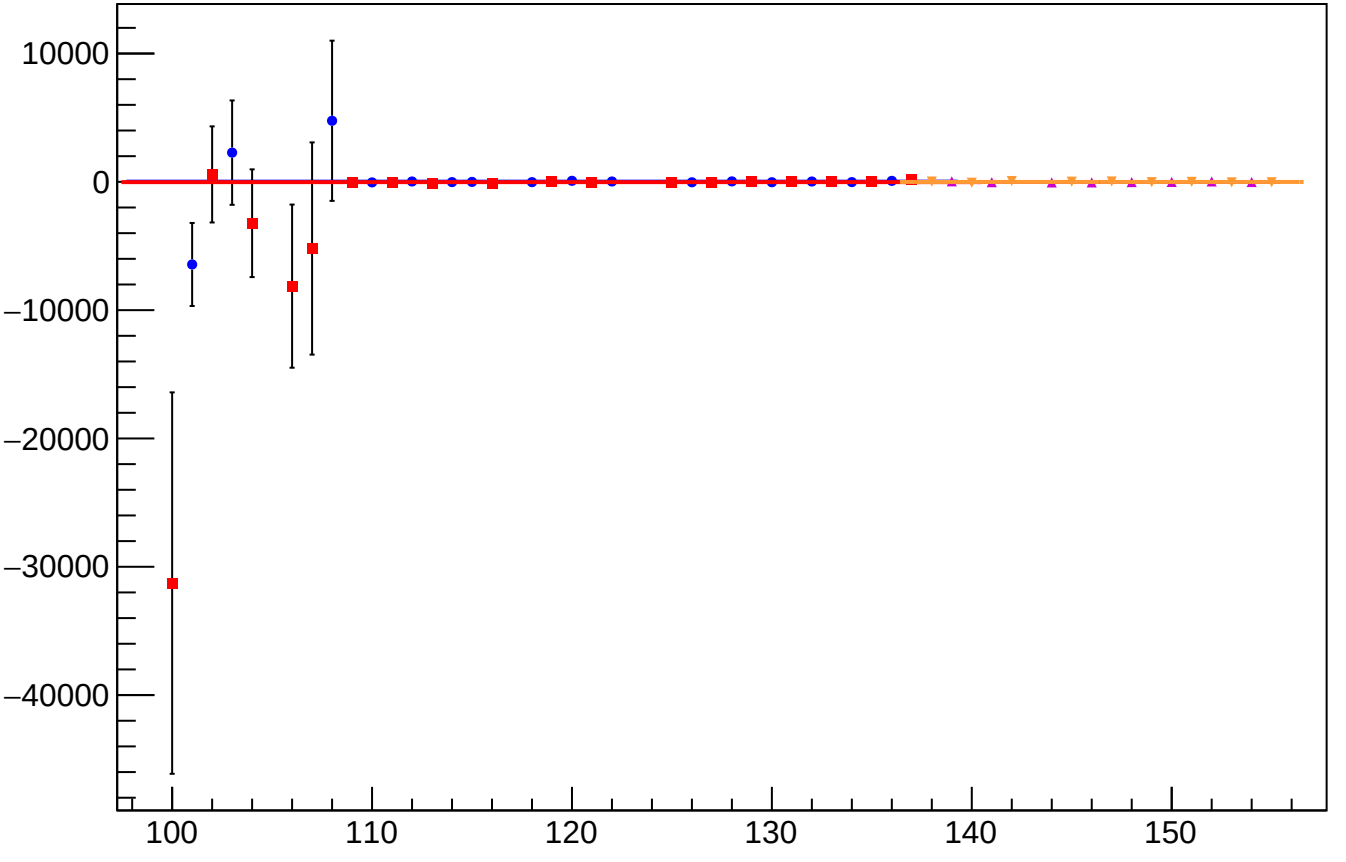
Left In: 197.990+/-0.057 χ^2/NDF:993985.4/7

+ sign 215.504+/-0.045 χ^2/NDF: 4854375.9/24

All: 198.202+/-0.030 χ^2/NDF: 10466318.6/50

- sign 184.619+/-0.040 χ^2/NDF: 5348561.7/25

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -8.303+/-12.024 χ^2/NDF:9.0/8

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

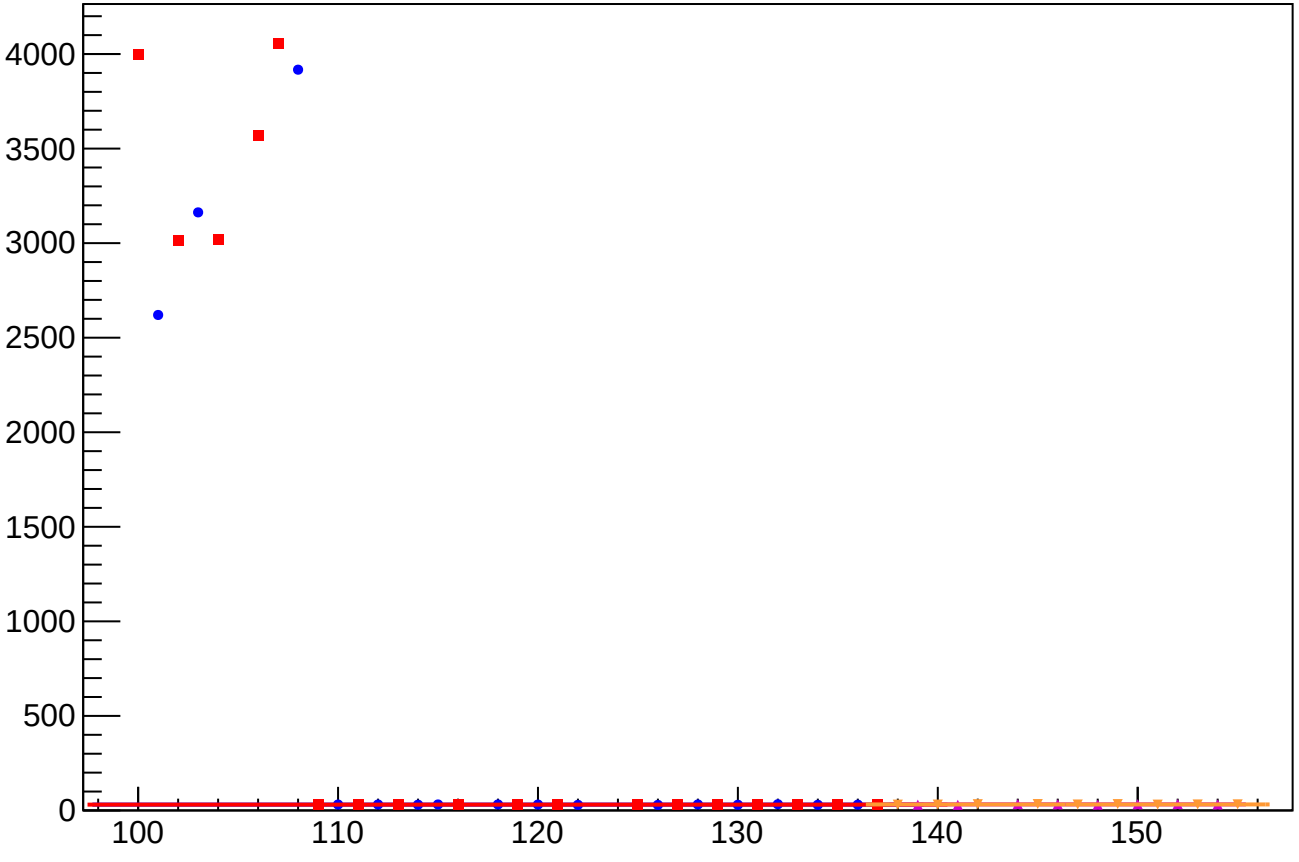
Left In: -11.489+/-12.188 χ^2/NDF:5.9/7

+ sign 1.796+/-8.847 χ^2/NDF: 26.0/24

All: -7.042+/-6.313 χ^2/NDF: 62.5/50

- sign -16.212+/-9.011 χ^2/NDF: 34.6/25

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.823+/-0.009 χ^2/NDF:15264.1/8

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

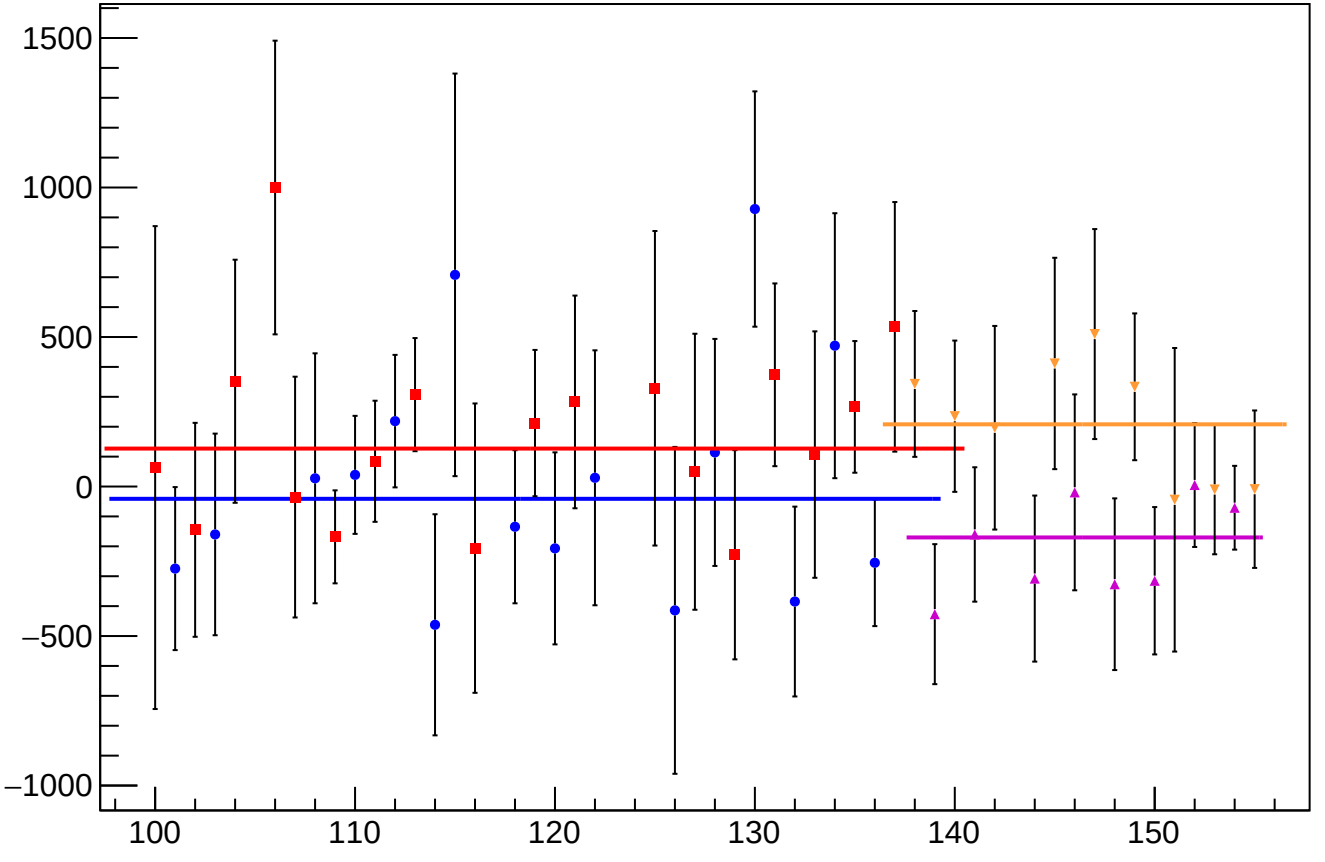
Left In: 32.166+/-0.009 χ^2/NDF:28232.0/7

+ sign 31.413+/-0.006 χ^2/NDF: 3272955.4/24

All: 31.480+/-0.004 χ^2/NDF: 6848705.1/50

- sign 31.549+/-0.006 χ^2/NDF: 3575518.5/25

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 208.020+/-93.907 χ^2/NDF:3.6/8

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

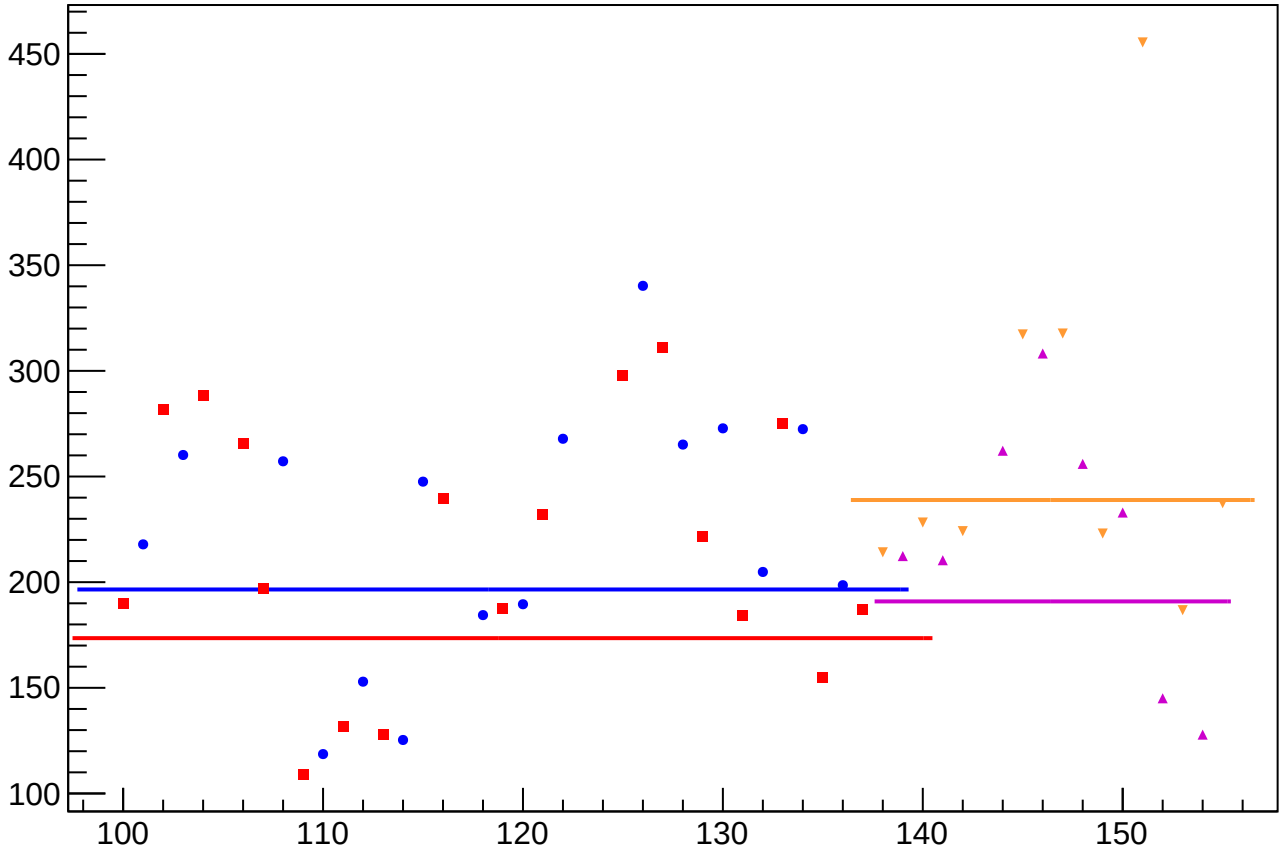
Left In: -170.291+/-78.286 χ^2/NDF:3.5/7

+ sign 59.262+/-59.607 χ^2/NDF: 23.4/24

All: 23.382+/-39.152 χ^2/NDF: 48.4/50

- sign -3.844+/-51.924 χ^2/NDF: 24.4/25

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 238.886+/-0.066 χ^2/NDF:715136.4/8

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

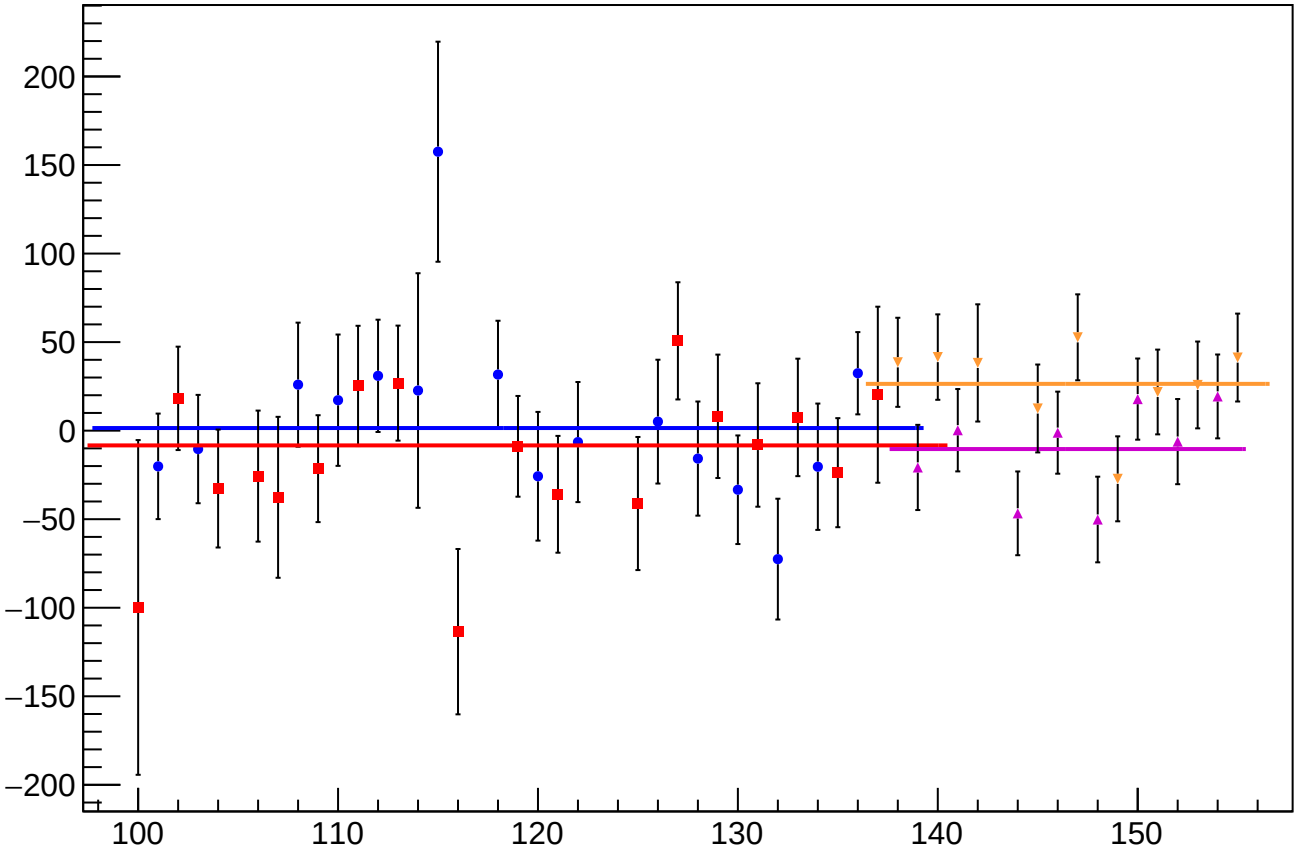
Left In: 190.895+/-0.055 χ^2/NDF:1084108.3/7

+ sign 213.603+/-0.042 χ^2/NDF: 1958718.1/24

All: 195.156+/-0.028 χ^2/NDF: 4967696.2/50

- sign 181.158+/-0.037 χ^2/NDF: 2672072.0/25

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 26.421+/-8.362 χ^2/NDF:7.6/8

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

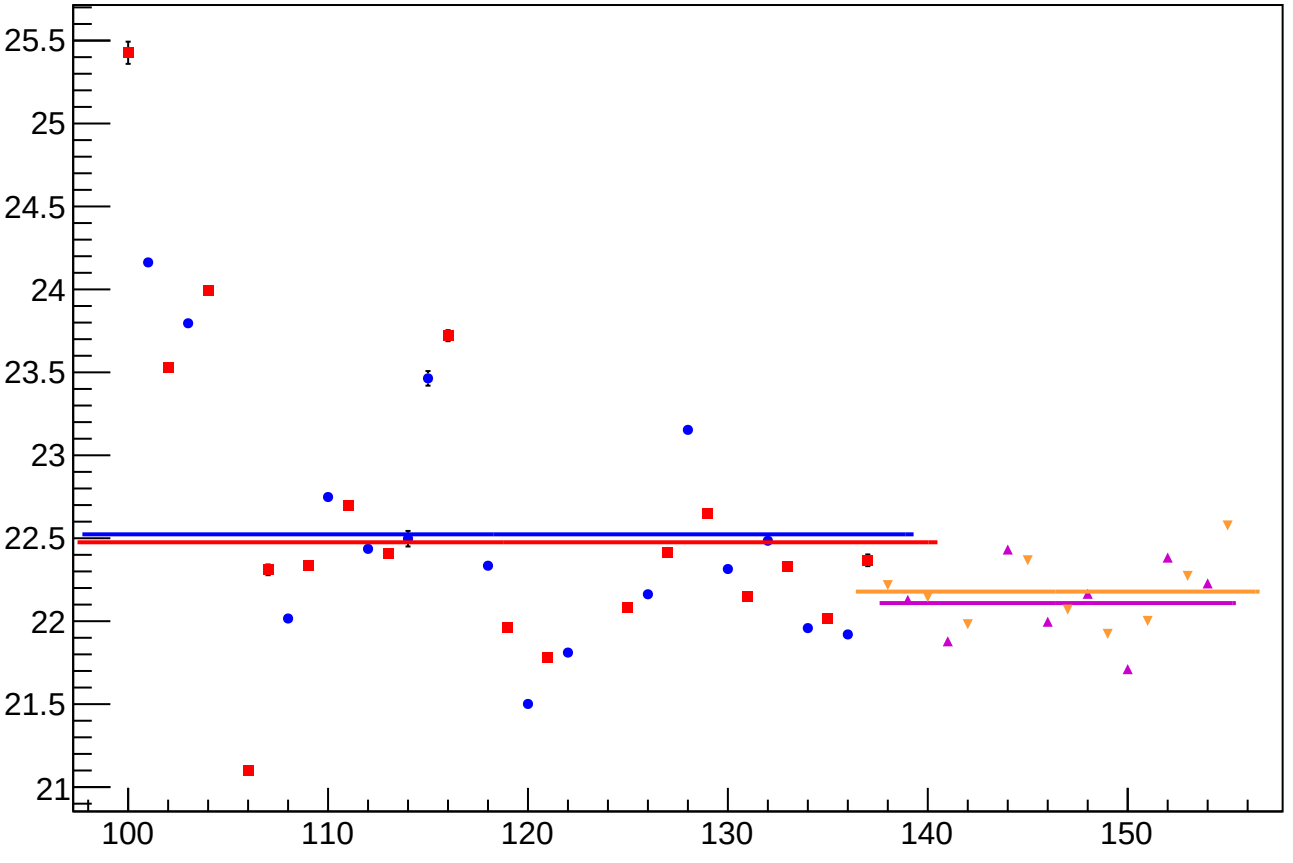
Left In: -10.389+/-8.346 χ^2/NDF:8.7/7

+ sign 13.961+/-5.916 χ^2/NDF: 30.8/24

All: 2.235+/-4.170 χ^2/NDF: 63.4/50

- sign -9.351+/-5.880 χ^2/NDF: 24.8/25

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.178+/-0.006 χ^2/NDF:1115.2/8

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

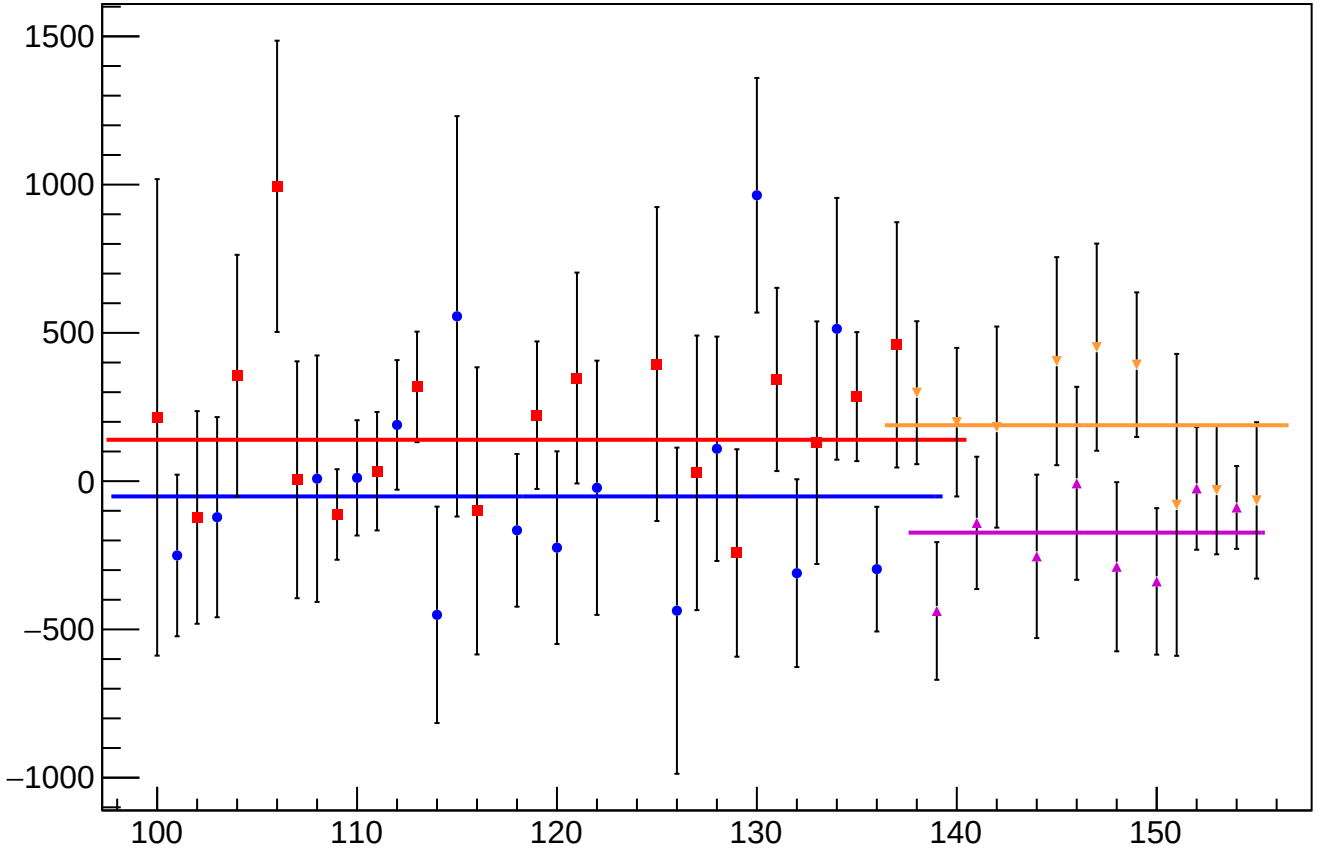
Left In: 22.109+/-0.006 χ^2/NDF:1541.4/7

+ sign 22.351+/-0.004 χ^2/NDF: 18765.9/24

All: 22.322+/-0.003 χ^2/NDF: 37879.1/50

- sign 22.294+/-0.004 χ^2/NDF: 19019.8/25

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 188.571+/-93.441 χ^2/NDF:4.1/8

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

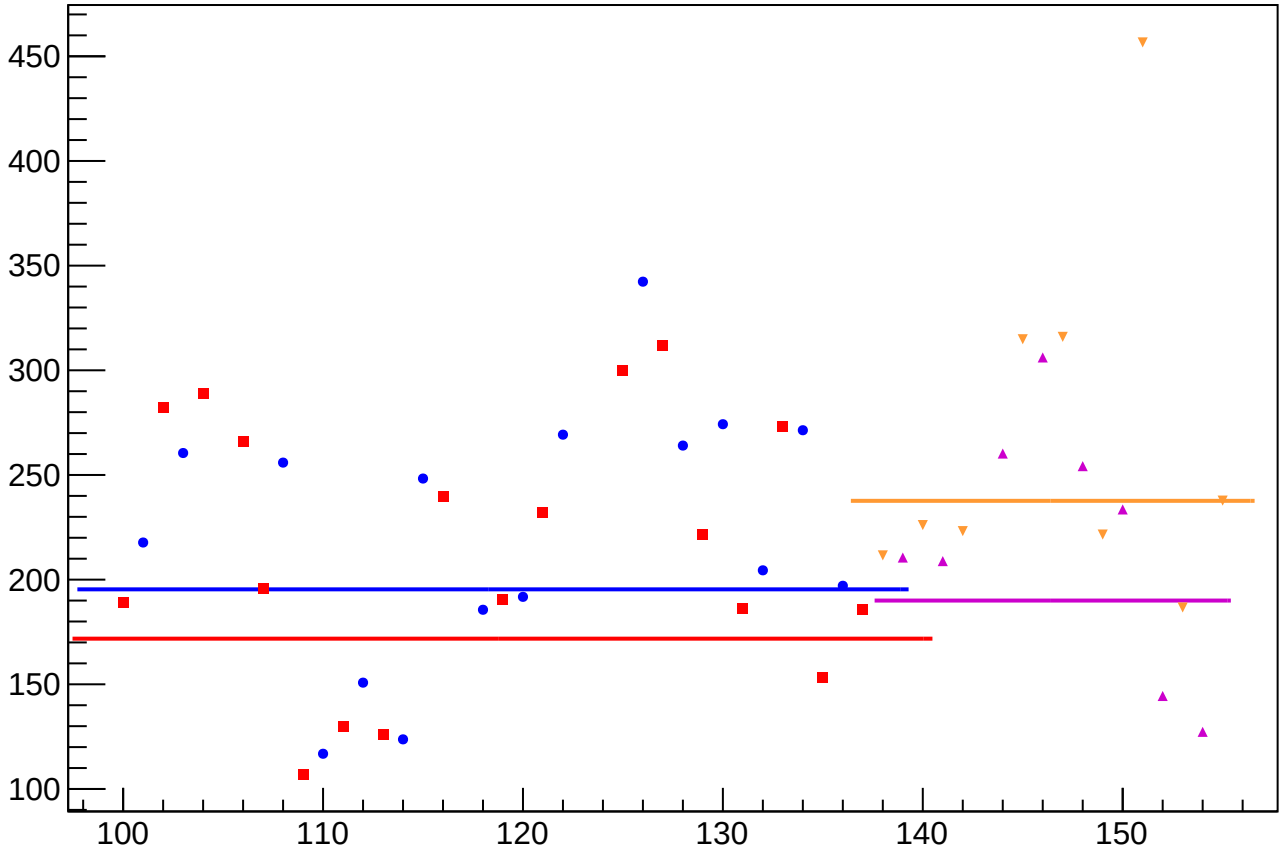
Left In: -173.575+/-77.934 χ^2/NDF:3.2/7

+ sign 45.293+/-59.330 χ^2/NDF: 23.4/24

All: 20.766+/-38.941 χ^2/NDF: 47.4/50

- sign 2.204+/-51.615 χ^2/NDF: 23.8/25

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 237.646+/-0.066 χ^2/NDF:718106.4/8

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

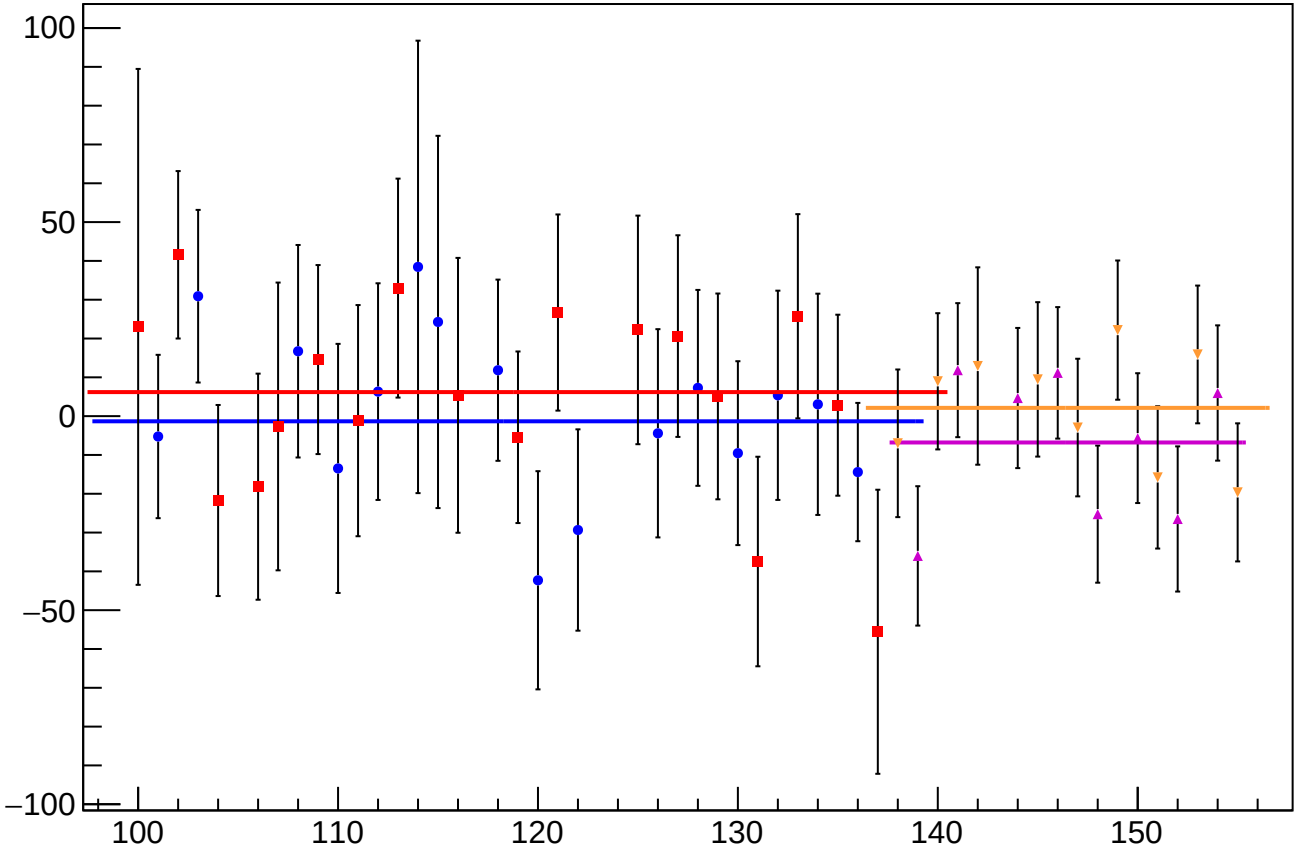
Left In: 190.007+/-0.055 χ^2/NDF:1078779.9/7

+ sign 212.408+/-0.042 χ^2/NDF: 2003980.2/24

All: 193.841+/-0.028 χ^2/NDF: 5088787.4/50

- sign 179.789+/-0.036 χ^2/NDF: 2740689.2/25

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.130+/-6.240 χ^2/NDF:5.1/8

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

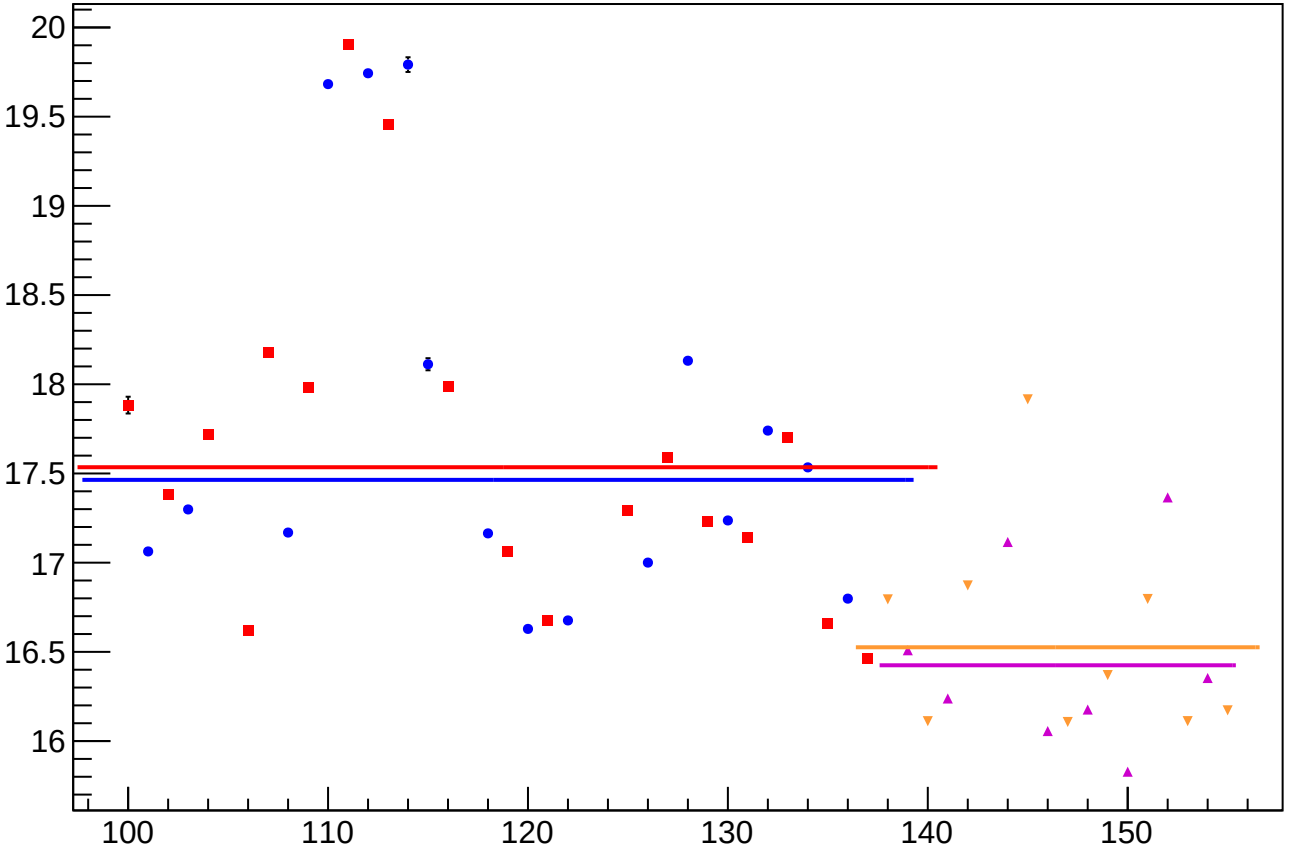
Left In: -6.789+/-6.210 χ^2/NDF:8.1/7

\+ sign 0.470+/-4.501 χ^2/NDF: 13.3/24

All: -0.050+/-3.176 χ^2/NDF: 36.9/50

\- sign -0.566+/-4.481 χ^2/NDF: 23.6/25

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.526+/-0.004 χ^2/NDF:15226.0/8

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

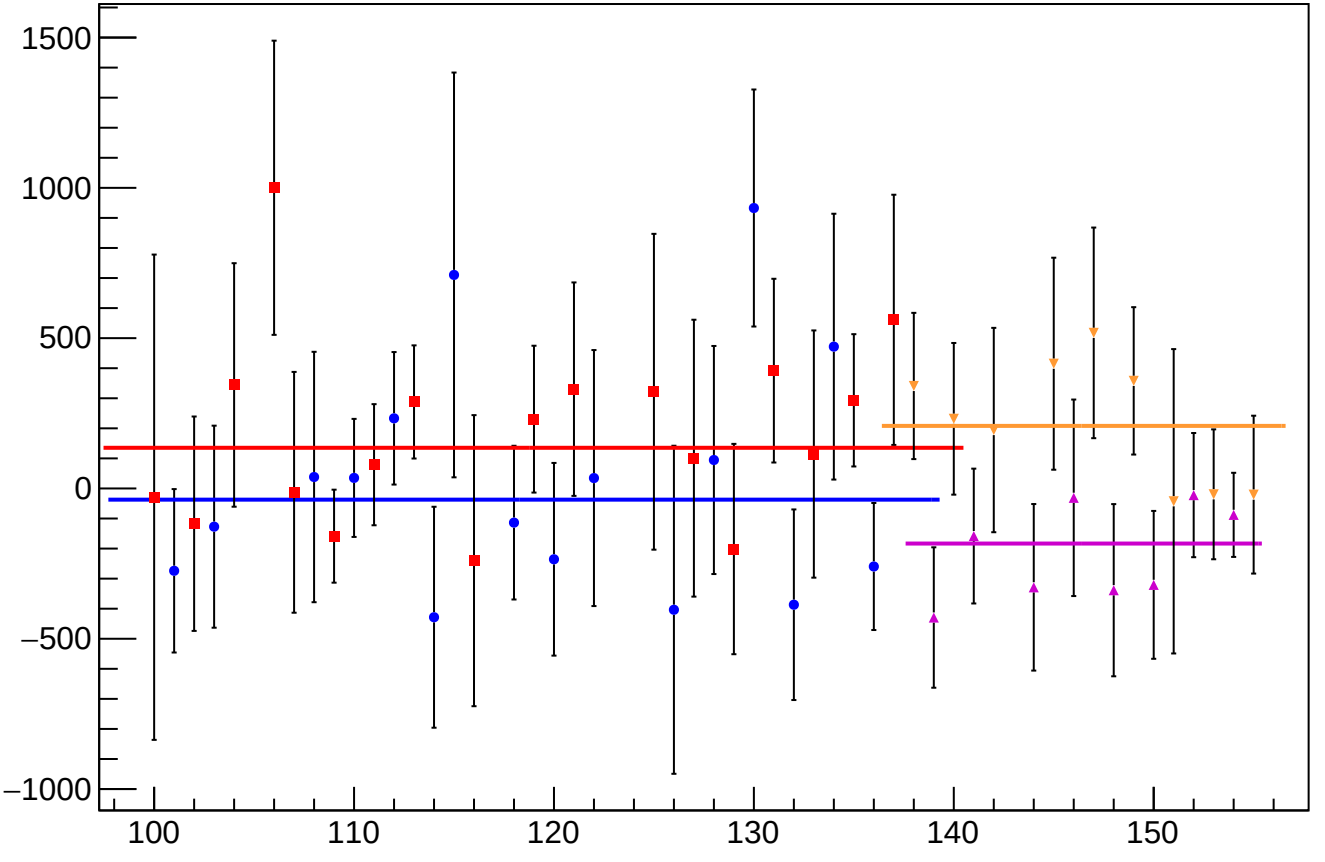
Left In: 16.425+/-0.004 χ^2/NDF:12185.3/7

\+ sign 16.976+/-0.003 χ^2/NDF: 73572.6/24

All: 16.966+/-0.002 χ^2/NDF: 150885.8/50

\- sign 16.957+/-0.003 χ^2/NDF: 77295.3/25

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 208.123+/-93.690 χ^2/NDF:3.9/8

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

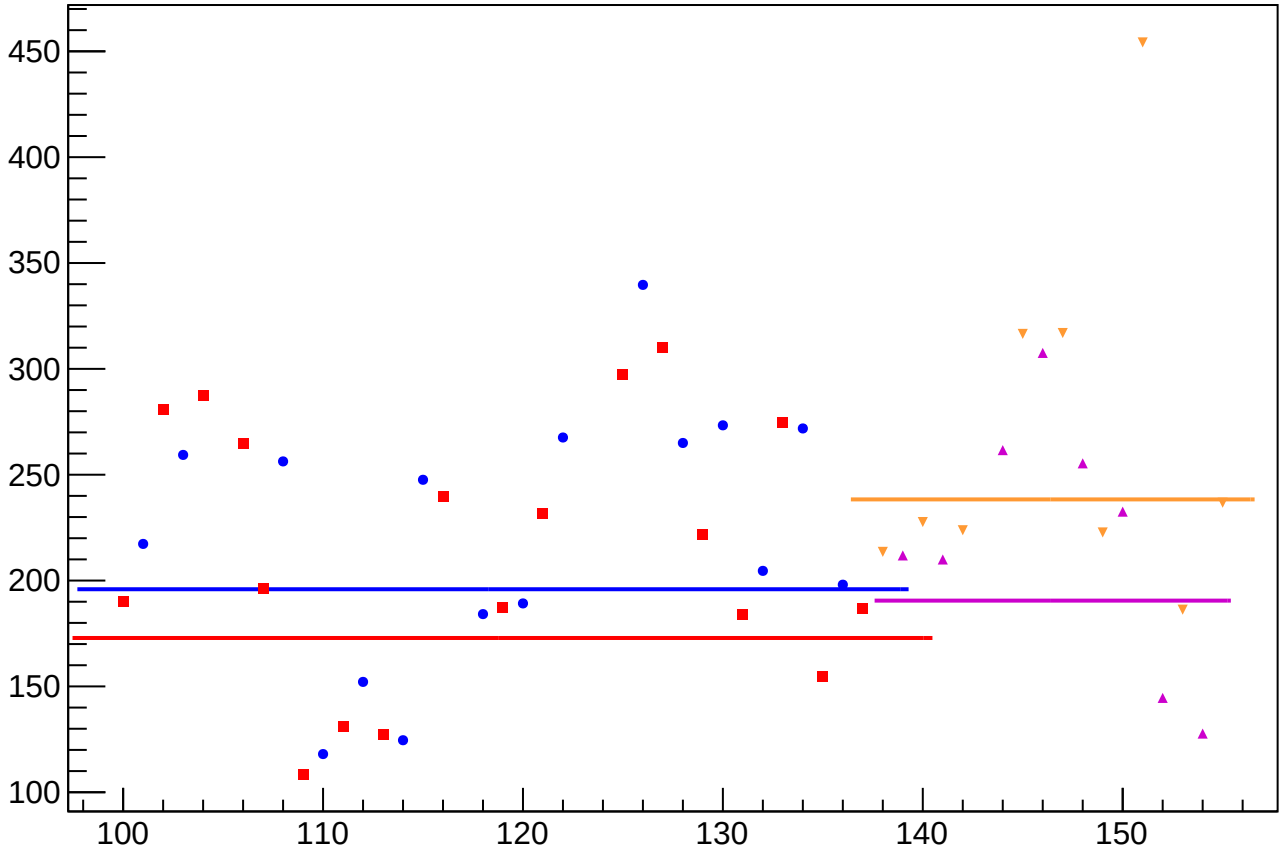
Left In: -183.286+/-78.128 χ^2/NDF:3.3/7

+ sign 61.546+/-59.448 χ^2/NDF: 23.7/24

All: 23.896+/-39.047 χ^2/NDF: 49.8/50

- sign -4.673+/-51.784 χ^2/NDF: 25.4/25

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 238.334+/-0.066 χ^2/NDF:715029.7/8

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

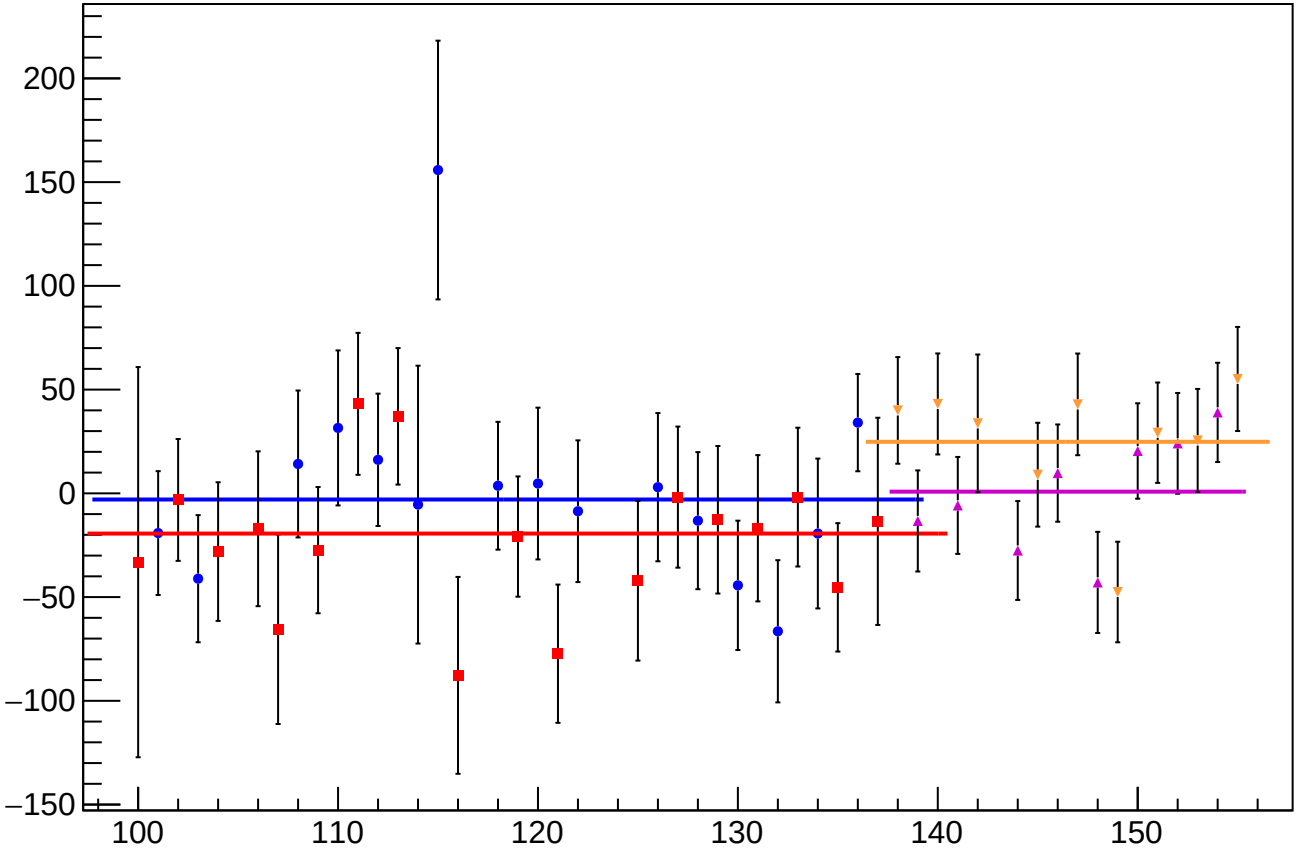
Left In: 190.525+/-0.055 χ^2/NDF:1082572.8/7

+ sign 212.984+/-0.042 χ^2/NDF: 1971131.2/24

All: 194.587+/-0.028 χ^2/NDF: 4991076.9/50

- sign 180.628+/-0.037 χ^2/NDF: 2683071.3/25

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 24.832+/-8.453 χ^2/NDF:12.3/8

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

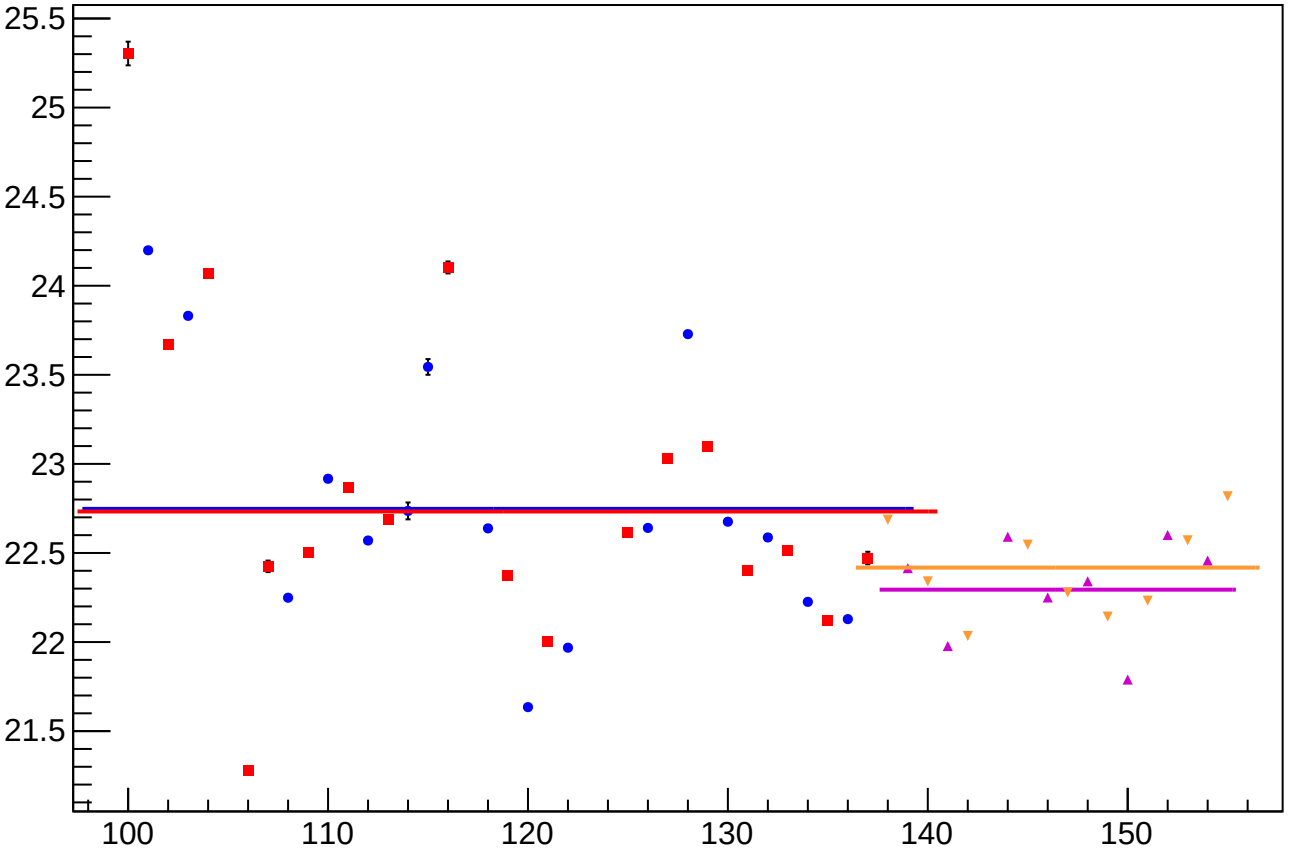
Left In: 0.814+/-8.417 χ^2/NDF:9.4/7

+ sign 10.934+/-5.978 χ^2/NDF: 35.7/24

All: 0.737+/-4.213 χ^2/NDF: 68.3/50

- sign -9.329+/-5.939 χ^2/NDF: 26.8/25

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.418+/-0.006 χ^2/NDF:1584.4/8

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

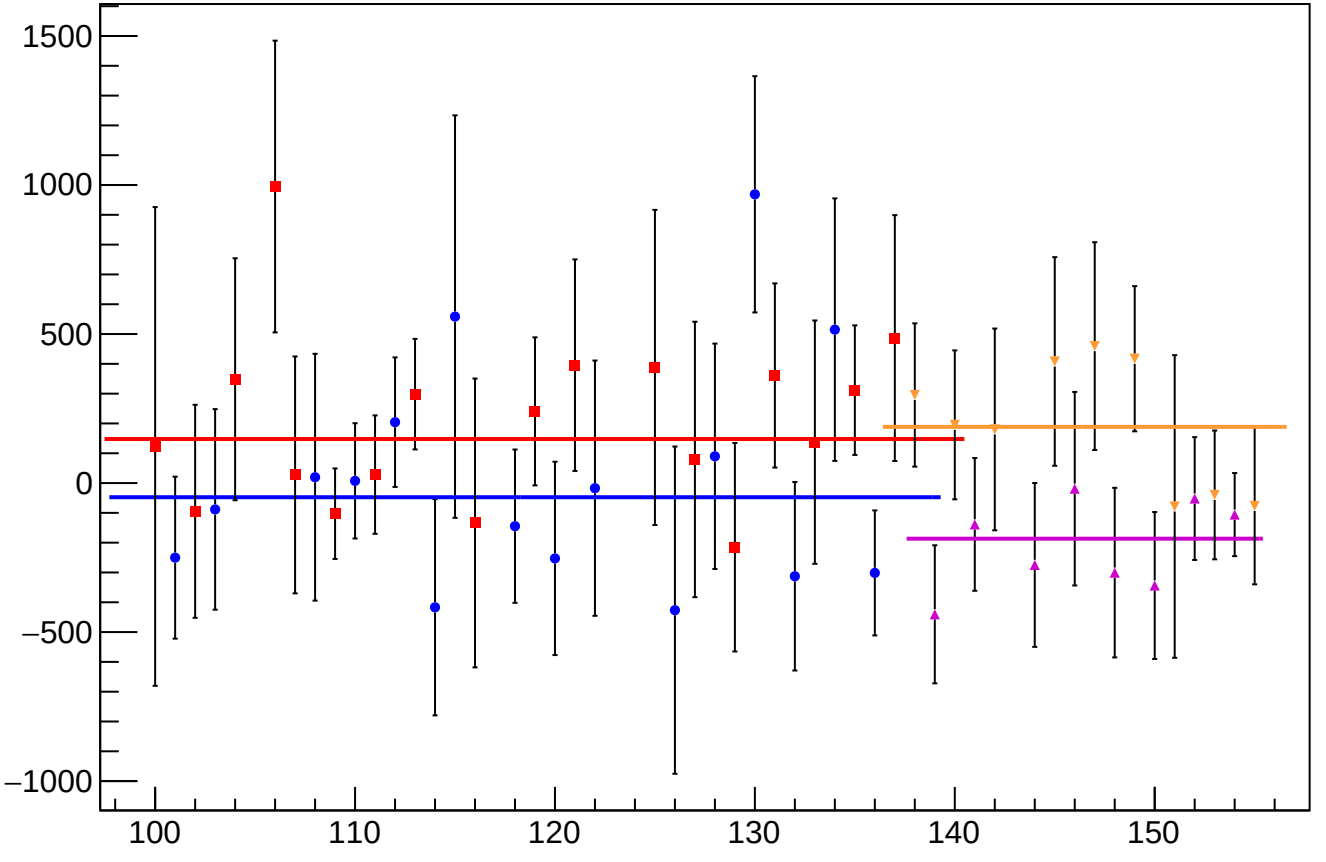
Left In: 22.294+/-0.006 χ^2/NDF:2116.1/7

\+ sign 22.583+/-0.004 χ^2/NDF: 17727.7/24

All: 22.548+/-0.003 χ^2/NDF: 37094.8/50

\- sign 22.514+/-0.004 χ^2/NDF: 19236.0/25

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 188.545+/-93.224 χ^2/NDF:4.5/8

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

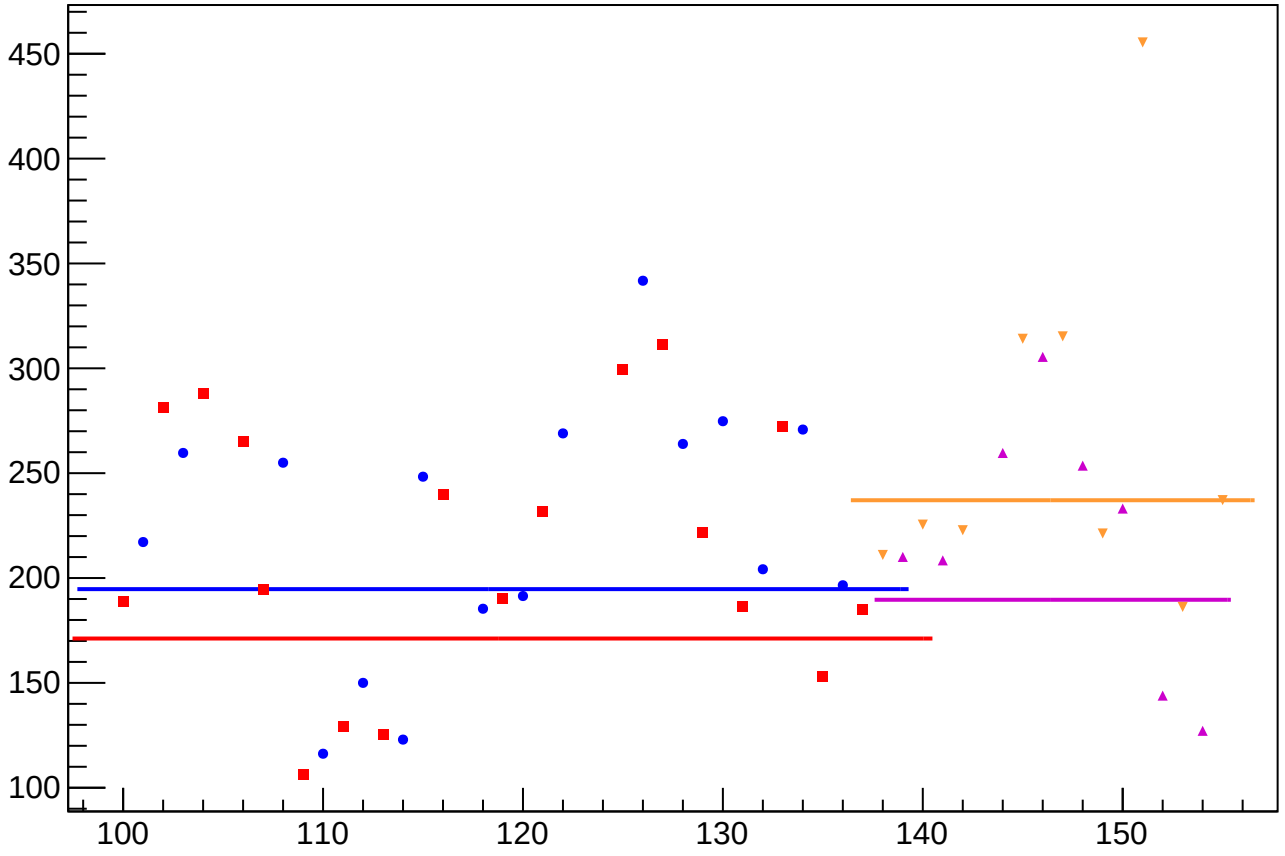
Left In: -186.651+/-77.776 χ^2/NDF:2.9/7

+ sign 47.579+/-59.170 χ^2/NDF: 23.7/24

All: 21.247+/-38.835 χ^2/NDF: 48.9/50

- sign 1.321+/-51.472 χ^2/NDF: 24.9/25

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 237.094+/-0.066 χ^2/NDF:717970.4/8

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

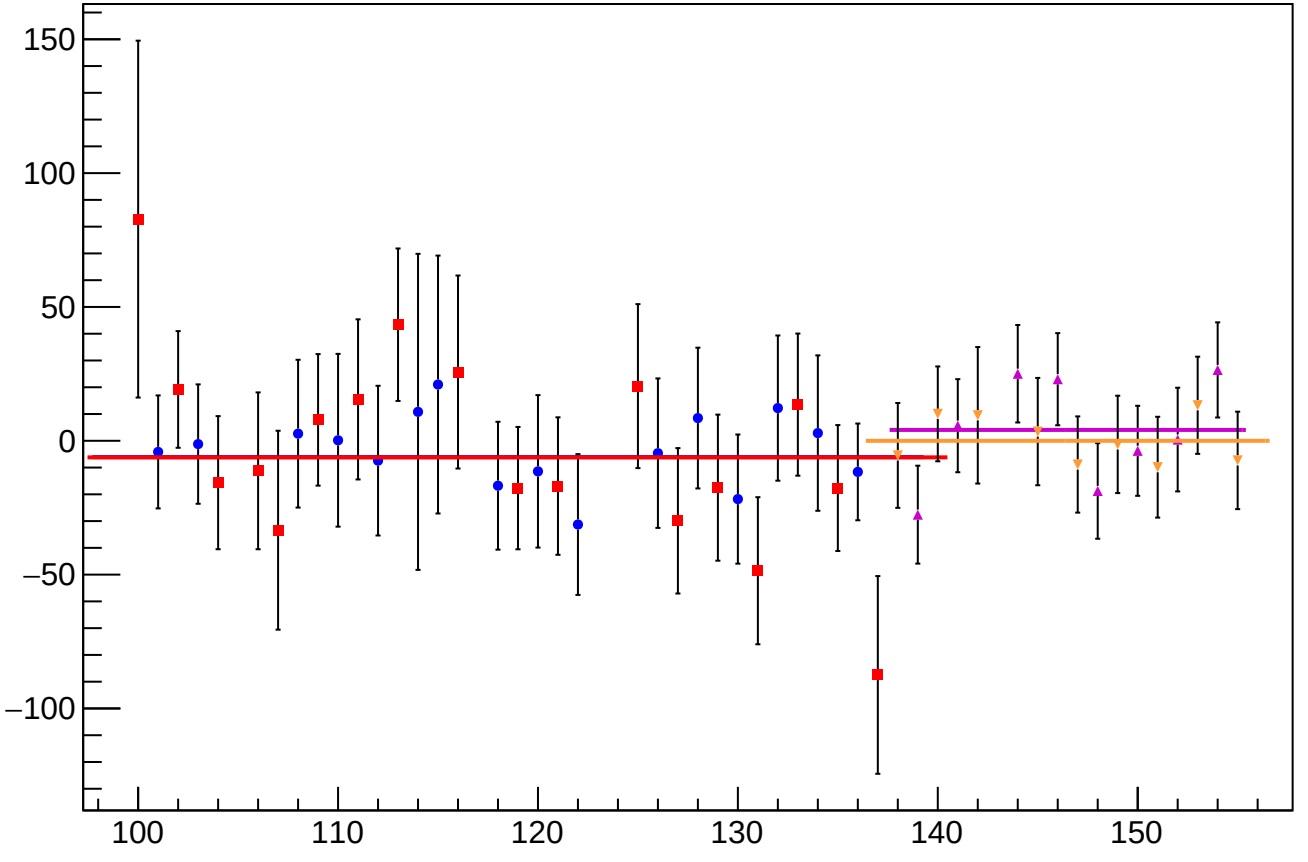
Left In: 189.635+/-0.055 χ^2/NDF:1077227.2/7

+ sign 211.783+/-0.042 χ^2/NDF: 2017145.2/24

All: 193.264+/-0.027 χ^2/NDF: 5113938.0/50

- sign 179.250+/-0.036 χ^2/NDF: 2752610.5/25

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -0.005+/-6.349 χ^2/NDF:1.8/8

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

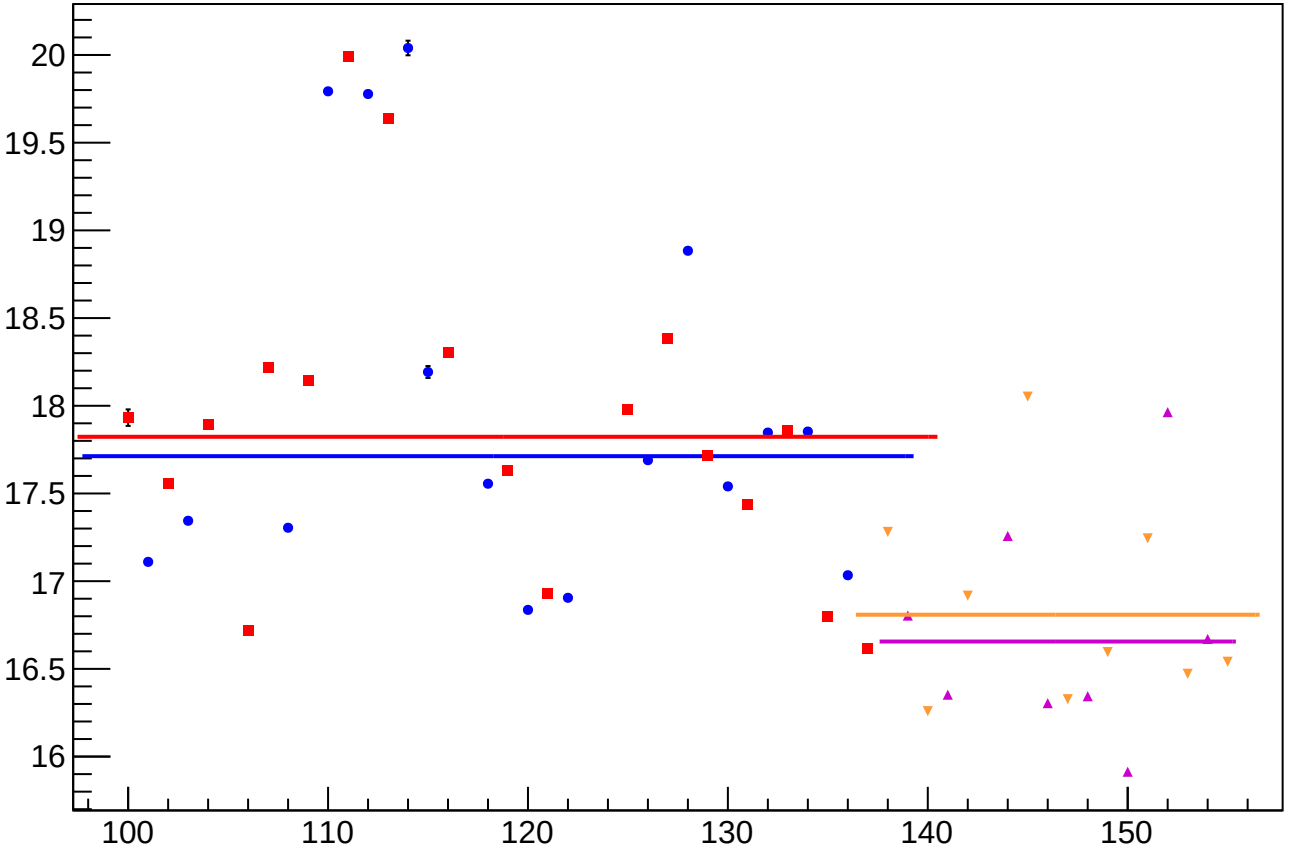
Left In: 4.059+/-6.301 χ^2/NDF:9.0/7

+ sign -2.947+/-4.573 χ^2/NDF: 5.4/24

All: -1.891+/-3.226 χ^2/NDF: 34.4/50

- sign -0.845+/-4.551 χ^2/NDF: 28.9/25

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.809+/-0.004 χ^2/NDF:14718.5/8

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

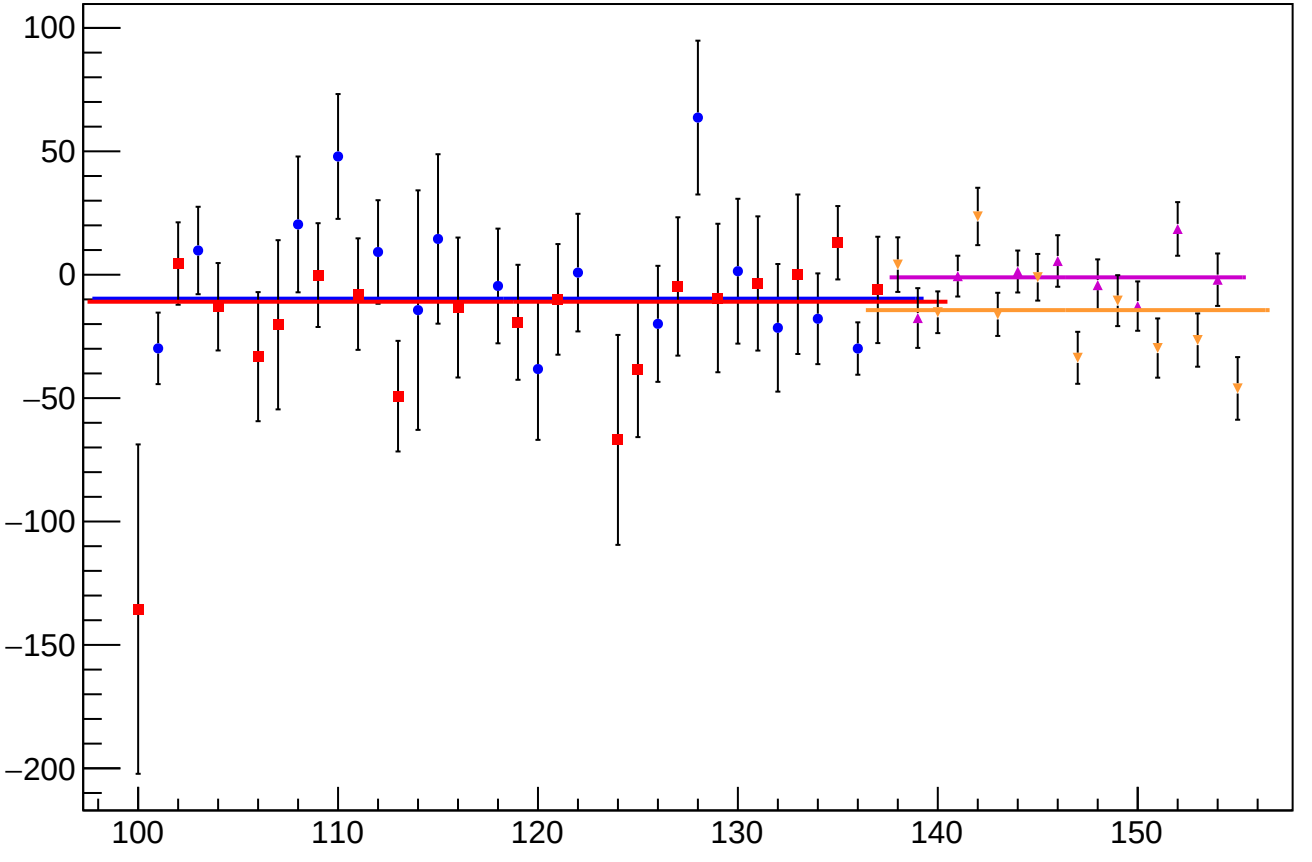
Left In: 16.656+/-0.004 χ^2/NDF:17383.6/7

\+ sign 17.244+/-0.003 χ^2/NDF: 70208.6/24

All: 17.229+/-0.002 χ^2/NDF: 152972.9/50

\- sign 17.214+/-0.003 χ^2/NDF: 82722.3/25

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -14.347+/-3.262 χ^2/NDF:28.1/9

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

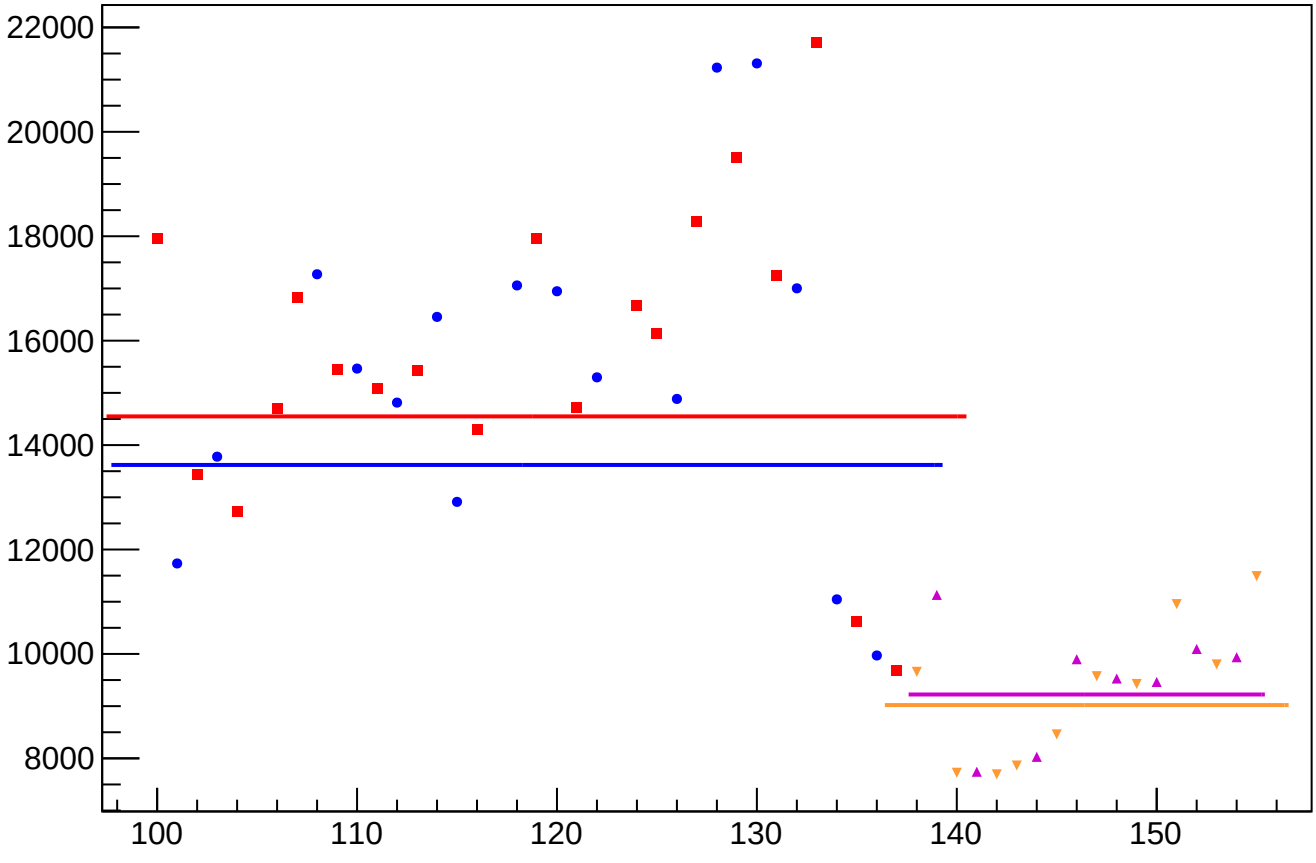
Left In: -1.058+/-3.513 χ^2/NDF:7.1/7

+ sign -13.046+/-2.768 χ^2/NDF: 50.7/25

All: -8.797+/-2.019 χ^2/NDF: 79.2/52

- sign -3.969+/-2.951 χ^2/NDF: 23.5/26

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 9020.696+/-2.307 χ^2/NDF:268482.2/9

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

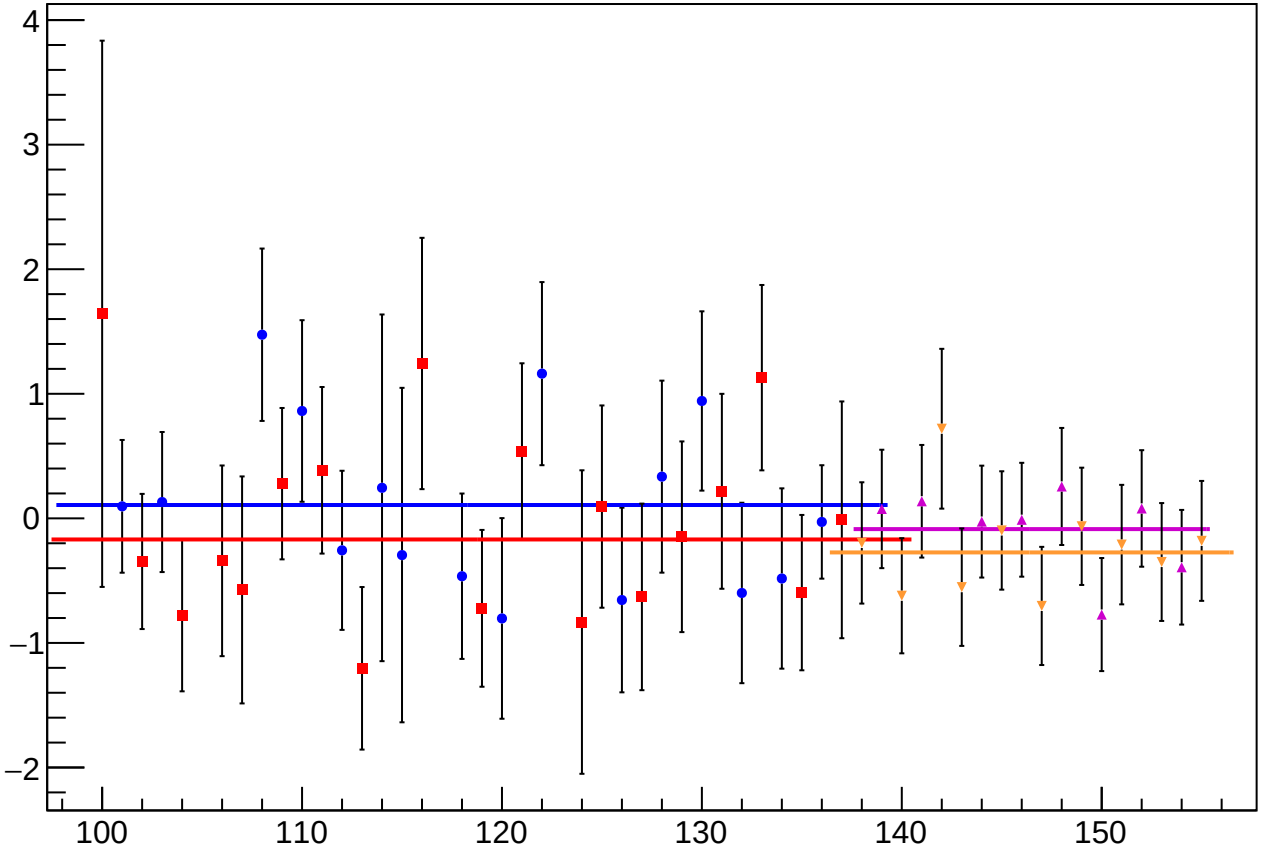
Left In: 9223.252+/-2.484 χ^2/NDF:186290.9/7

+ sign 10308.348+/-1.957 χ^2/NDF: 2128471.7/25

All: 10535.017+/-1.428 χ^2/NDF: 4253638.9/5

- sign 10792.595+/-2.087 χ^2/NDF: 2096516.7/26

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.274+/-0.154 χ^2/NDF:4.6/9

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

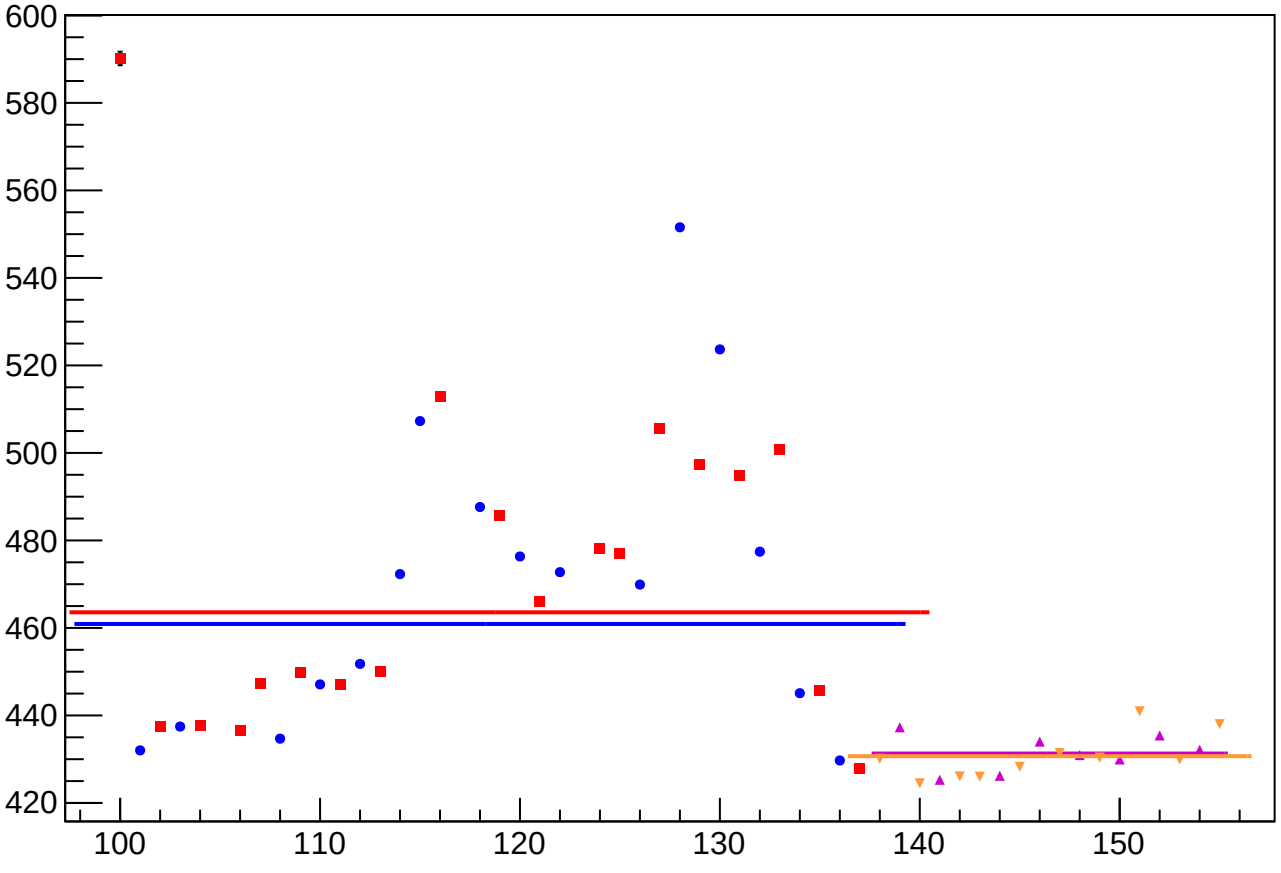
Left In: -0.086+/-0.163 χ^2/NDF:3.8/7

+ sign -0.104+/-0.115 χ^2/NDF: 21.0/25

All: -0.115+/-0.082 χ^2/NDF: 39.0/52

- sign -0.126+/-0.117 χ^2/NDF: 18.0/26

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.686+/-0.109 χ^2/NDF:2104.1/9

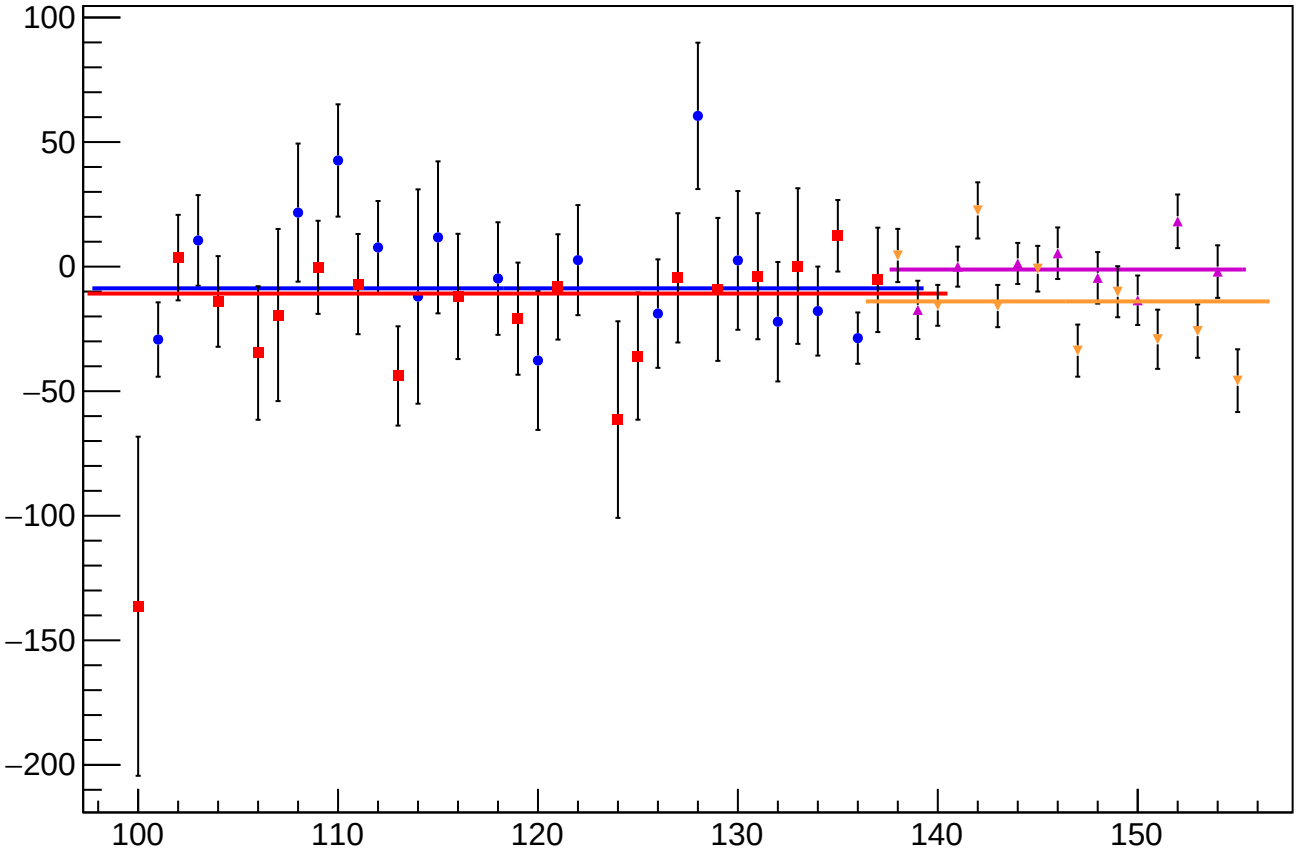
Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

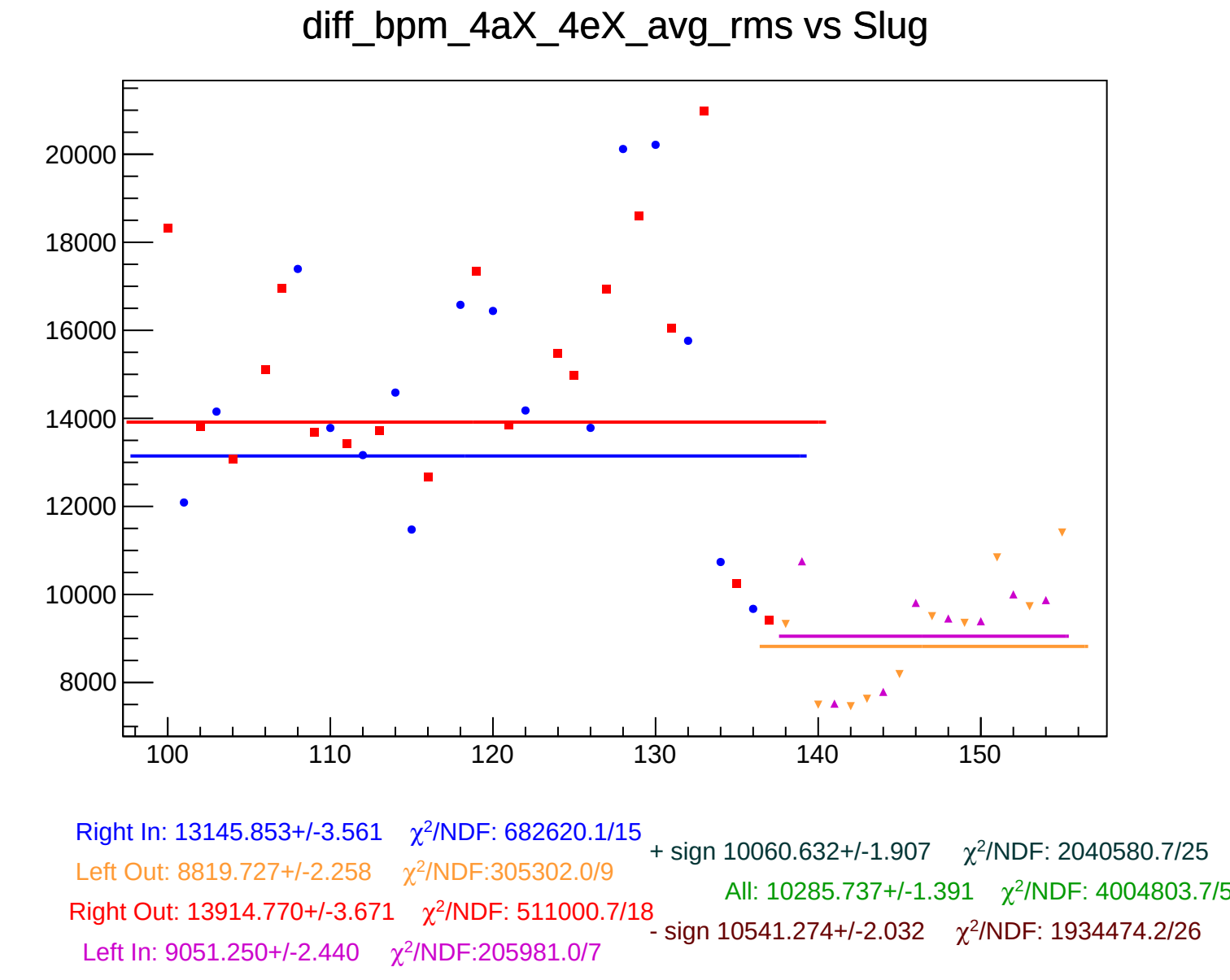
Left In: 431.297+/-0.115 χ^2/NDF:1179.9/7

+ sign 444.127+/-0.081 χ^2/NDF: 111432.1/25

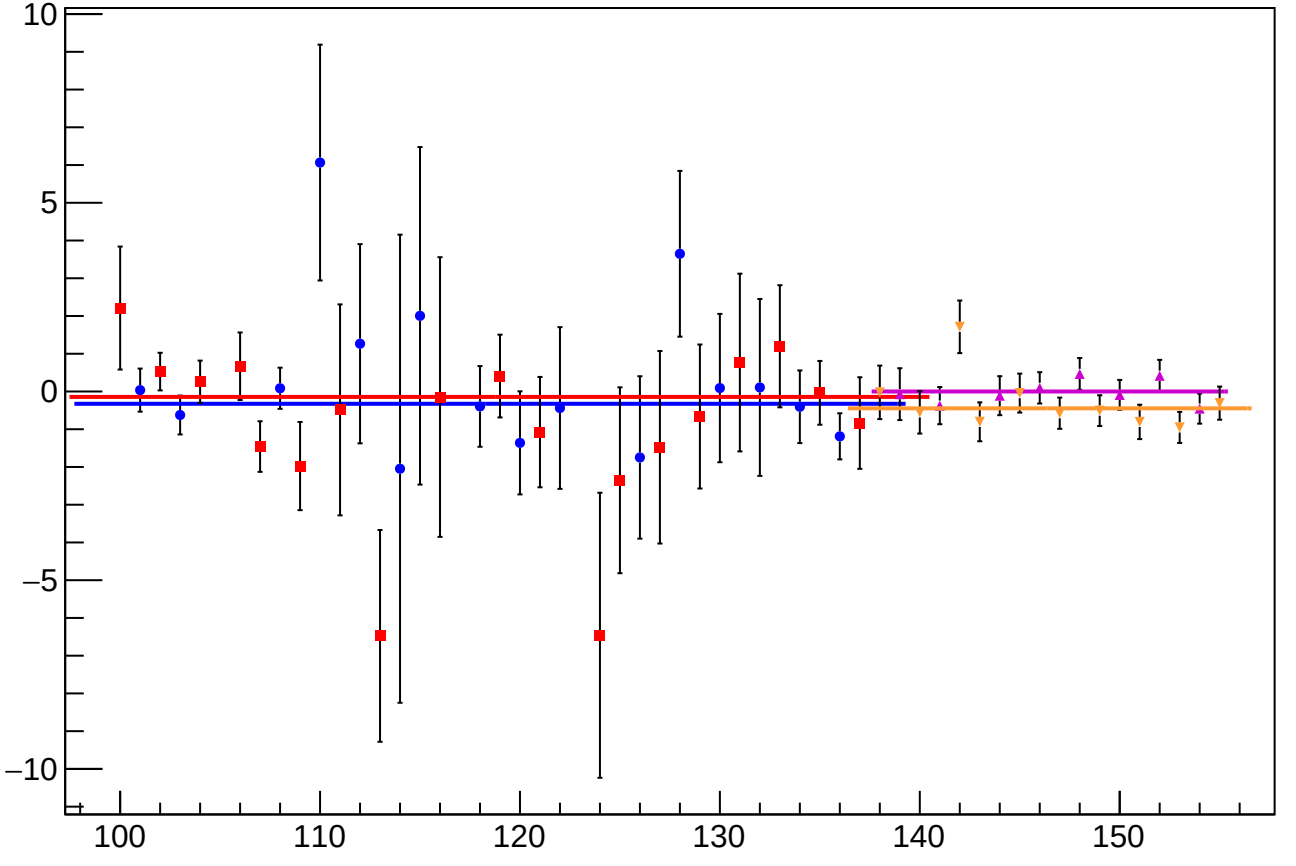
All: 445.425+/-0.058 χ^2/NDF: 203054.7/52

- sign 446.788+/-0.083 χ^2/NDF: 91095.6/26


diff_bpm_4aX_4eX_avg_mean vs Slug
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -8.707+/-5.036 χ²/NDF: 22.3/15
Left Out: -13.958+/-3.194 χ²/NDF:28.6/9
Right Out: -10.807+/-5.192 χ²/NDF: 13.9/18
Left In: -1.168+/-3.450 χ²/NDF:7.3/7
+ sign -12.452+/-2.697 χ²/NDF: 51.6/25
All: -8.550+/-1.967 χ²/NDF: 79.7/52
- sign -4.121+/-2.874 χ²/NDF: 23.6/26


diff_bpm_4aX_4eX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8819.727+/-2.258 χ²/NDF:305302.0/9
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 9051.250+/-2.440 χ²/NDF:205981.0/7
+ sign 10060.632+/-1.907 χ²/NDF: 2040580.7/25
All: 10285.737+/-1.391 χ²/NDF: 4004803.7/5
- sign 10541.274+/-2.032 χ²/NDF: 1934474.2/26

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.446+/-0.153 χ^2/NDF:13.4/9

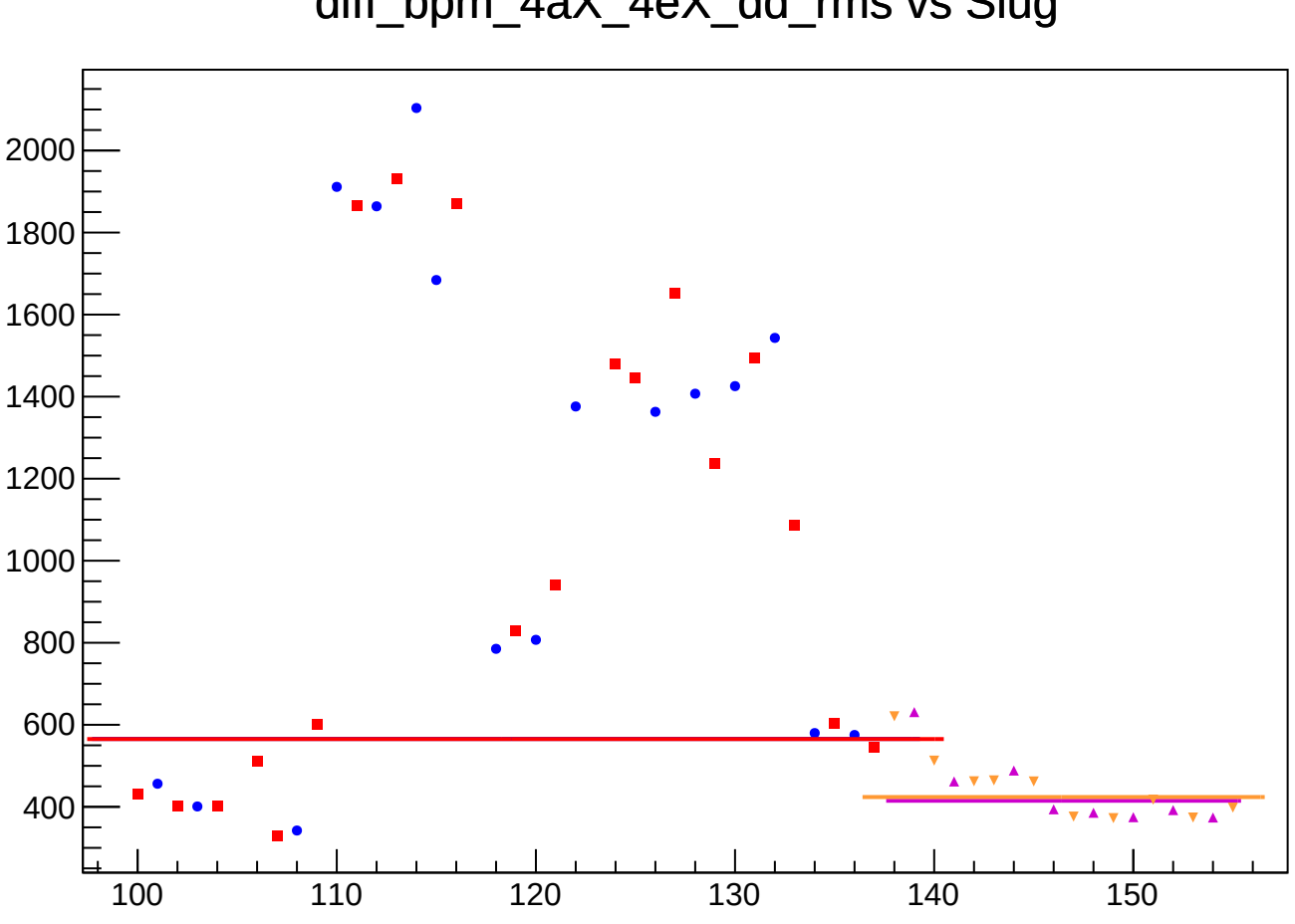
Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: -0.000+/-0.159 χ^2/NDF:4.2/7

+ sign -0.412+/-0.130 χ^2/NDF: 26.2/25

All: -0.232+/-0.093 χ^2/NDF: 57.1/52

- sign -0.043+/-0.133 χ^2/NDF: 26.9/26



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 423.866+/-0.108 χ^2/NDF:328542.0/9

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

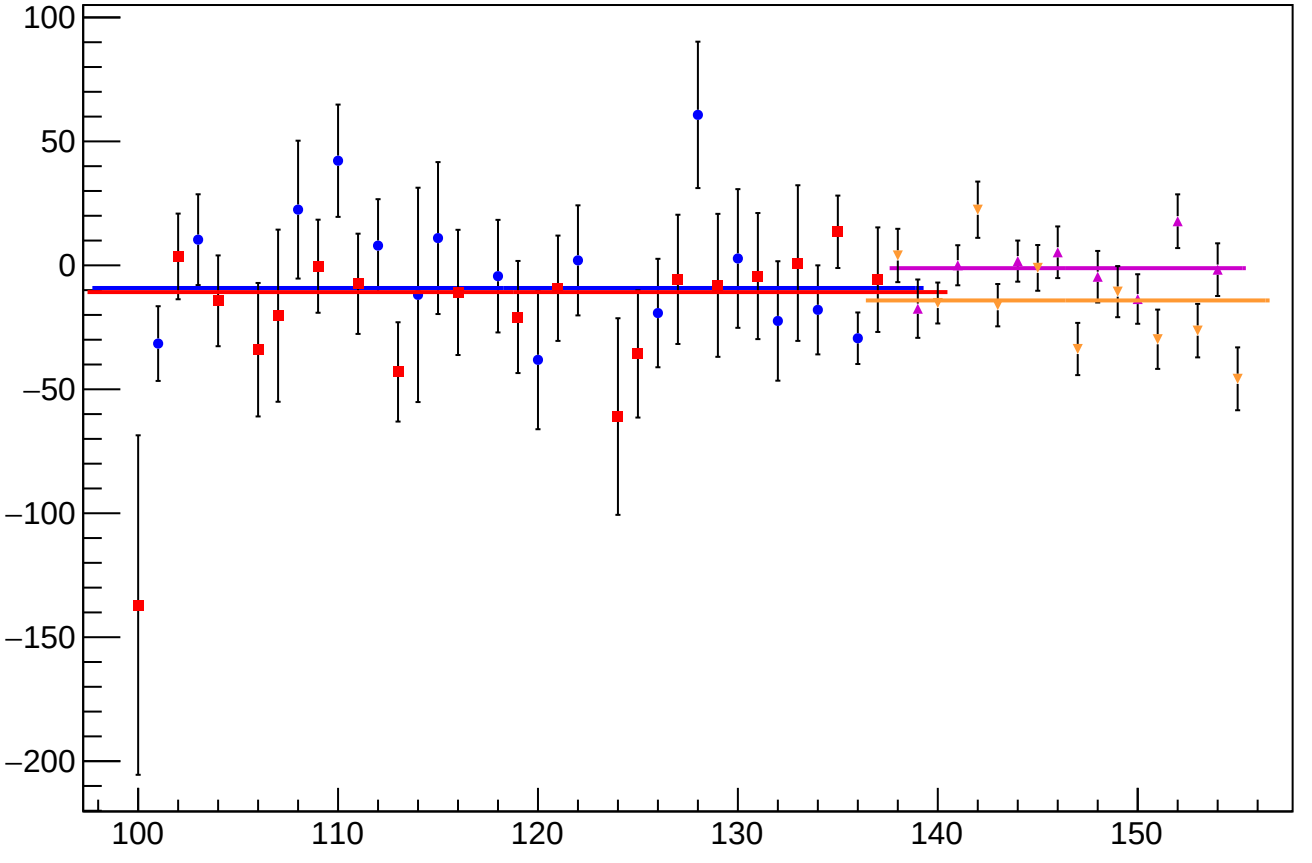
Left In: 414.887+/-0.112 χ^2/NDF:319024.1/7

+ sign 463.961+/-0.092 χ^2/NDF: 4261949.3/25

All: 461.769+/-0.066 χ^2/NDF: 8686245.4/52

- sign 459.468+/-0.094 χ^2/NDF: 4423128.7/26

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -14.156+/-3.214 χ^2/NDF:28.1/9

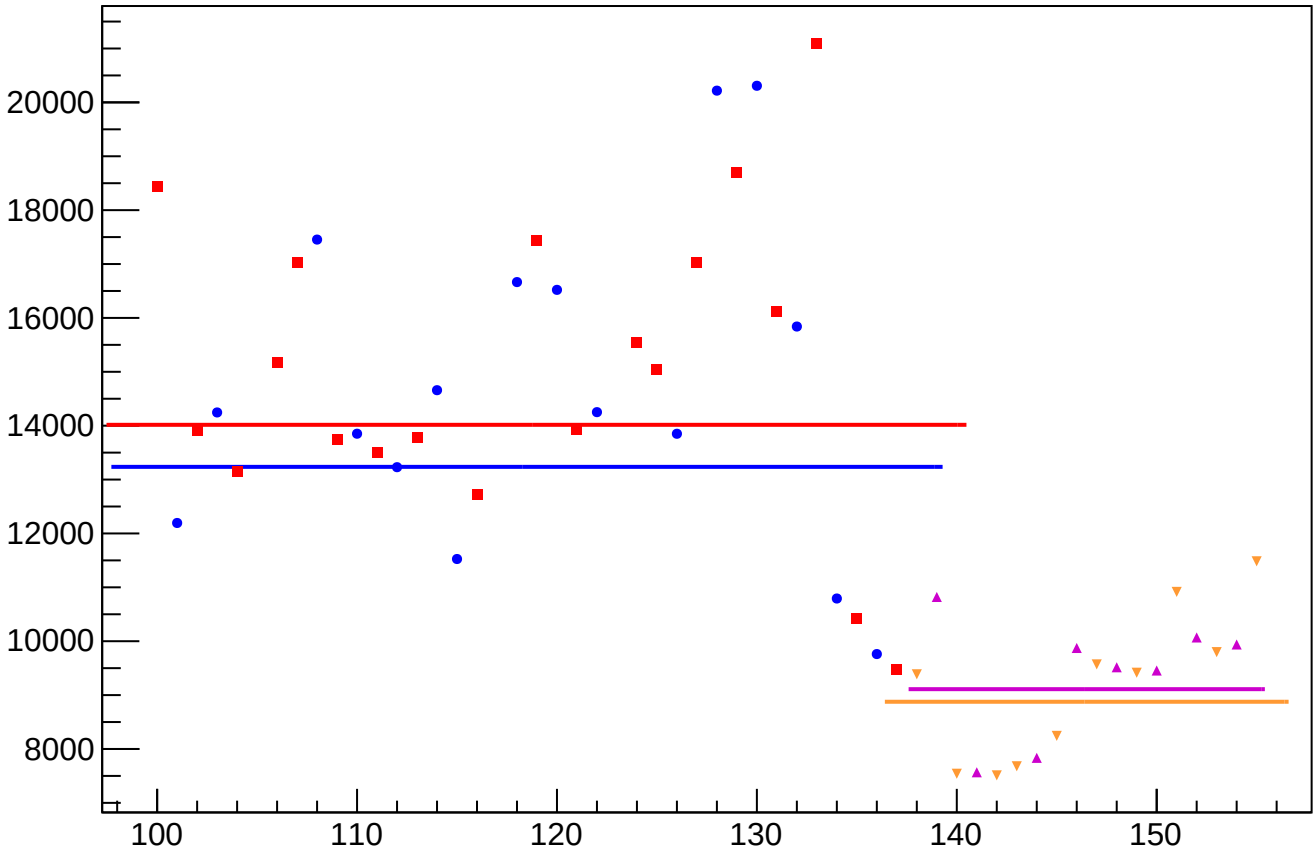
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -1.140+/-3.473 χ^2/NDF:7.2/7

+ sign -12.715+/-2.715 χ^2/NDF: 51.6/25

All: -8.678+/-1.979 χ^2/NDF: 79.5/52

- sign -4.094+/-2.893 χ^2/NDF: 23.2/26



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8876.413+/-2.273 χ^2/NDF:305963.8/9

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

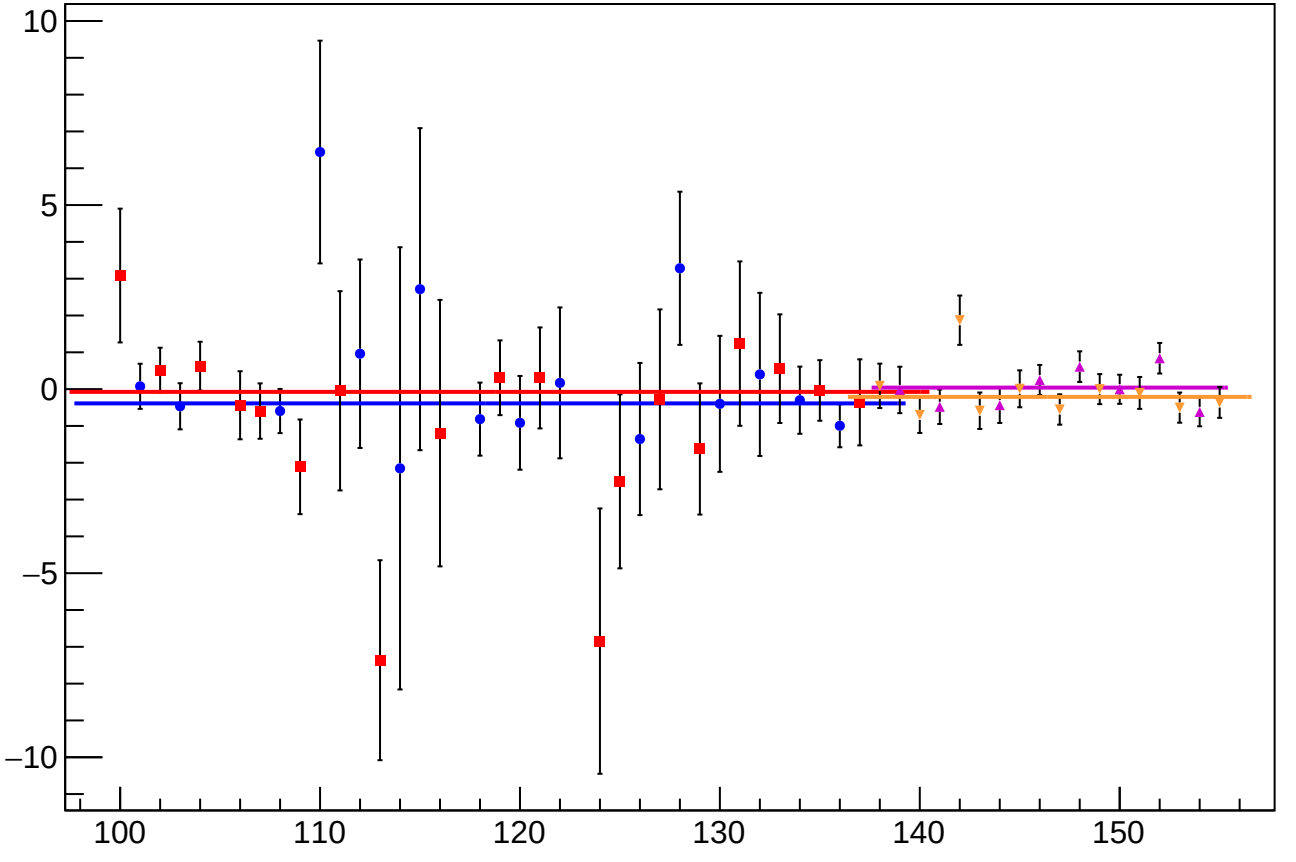
Left In: 9110.106+/-2.456 χ^2/NDF:206479.6/7

+ sign 10126.507+/-1.919 χ^2/NDF: 2034809.5/25

All: 10354.001+/-1.400 χ^2/NDF: 3992044.4/5

- sign 10612.318+/-2.045 χ^2/NDF: 1927238.7/26

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.211+/-0.147 χ^2/NDF:13.3/9

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

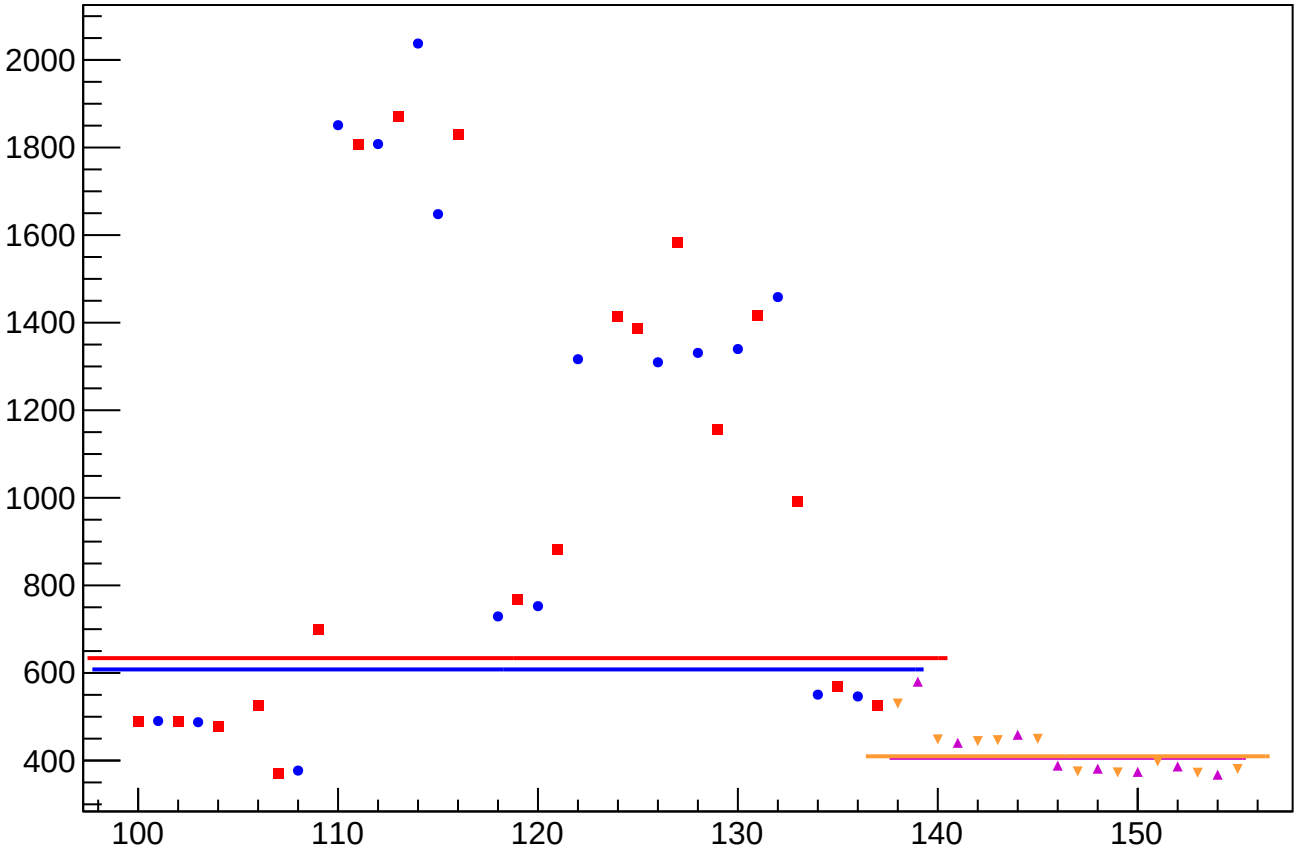
Left In: 0.041+/-0.155 χ^2/NDF:10.9/7

+ sign -0.255+/-0.128 χ^2/NDF: 25.4/25

All: -0.128+/-0.092 χ^2/NDF: 60.2/52

- sign 0.012+/-0.134 χ^2/NDF: 32.7/26

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 409.660+/-0.104 χ^2/NDF:179500.0/9

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

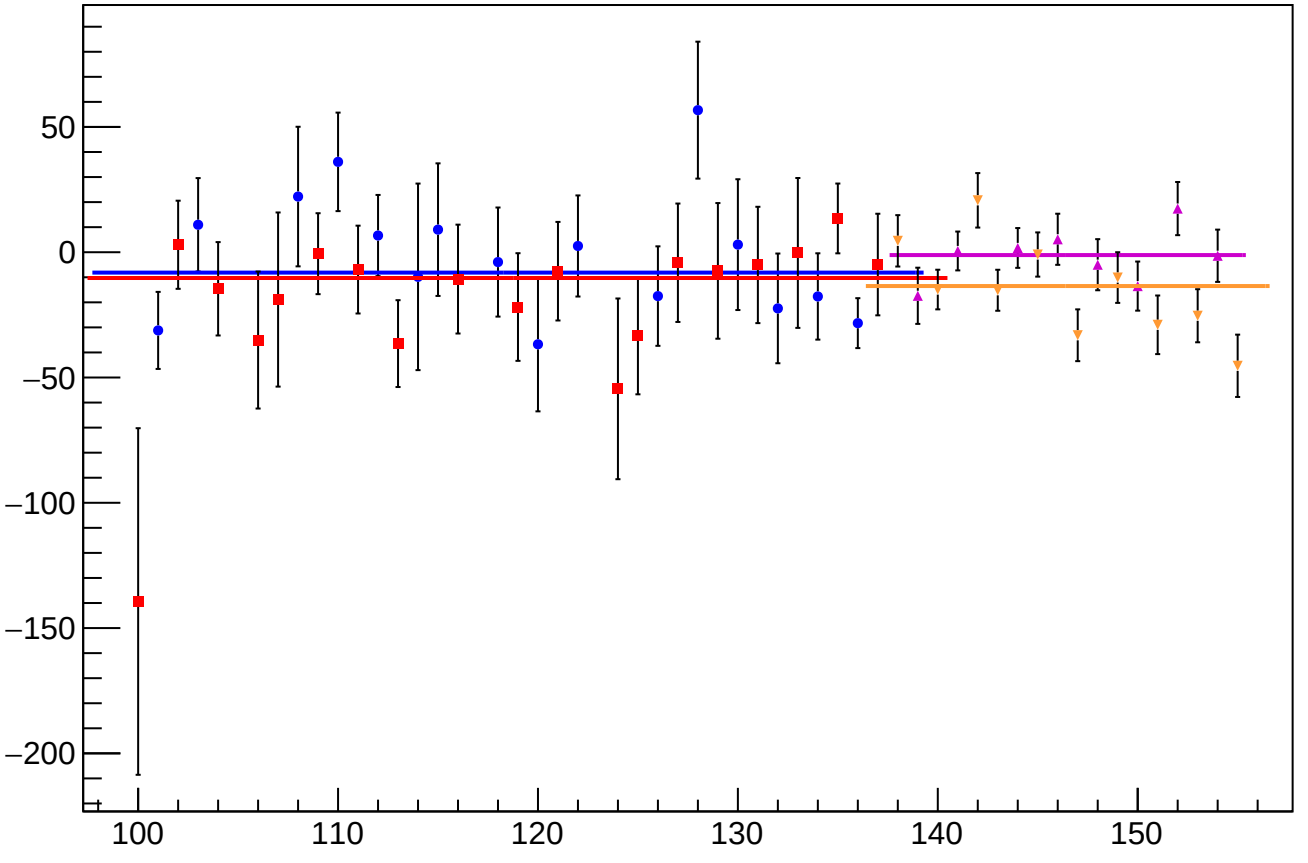
Left In: 406.186+/-0.109 χ^2/NDF:234244.5/7

+ sign 459.090+/-0.090 χ^2/NDF: 3936324.2/25

All: 461.538+/-0.065 χ^2/NDF: 8064794.6/52

- sign 464.217+/-0.094 χ^2/NDF: 4126929.4/26

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -13.498+/-3.107 χ^2/NDF:28.4/9

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

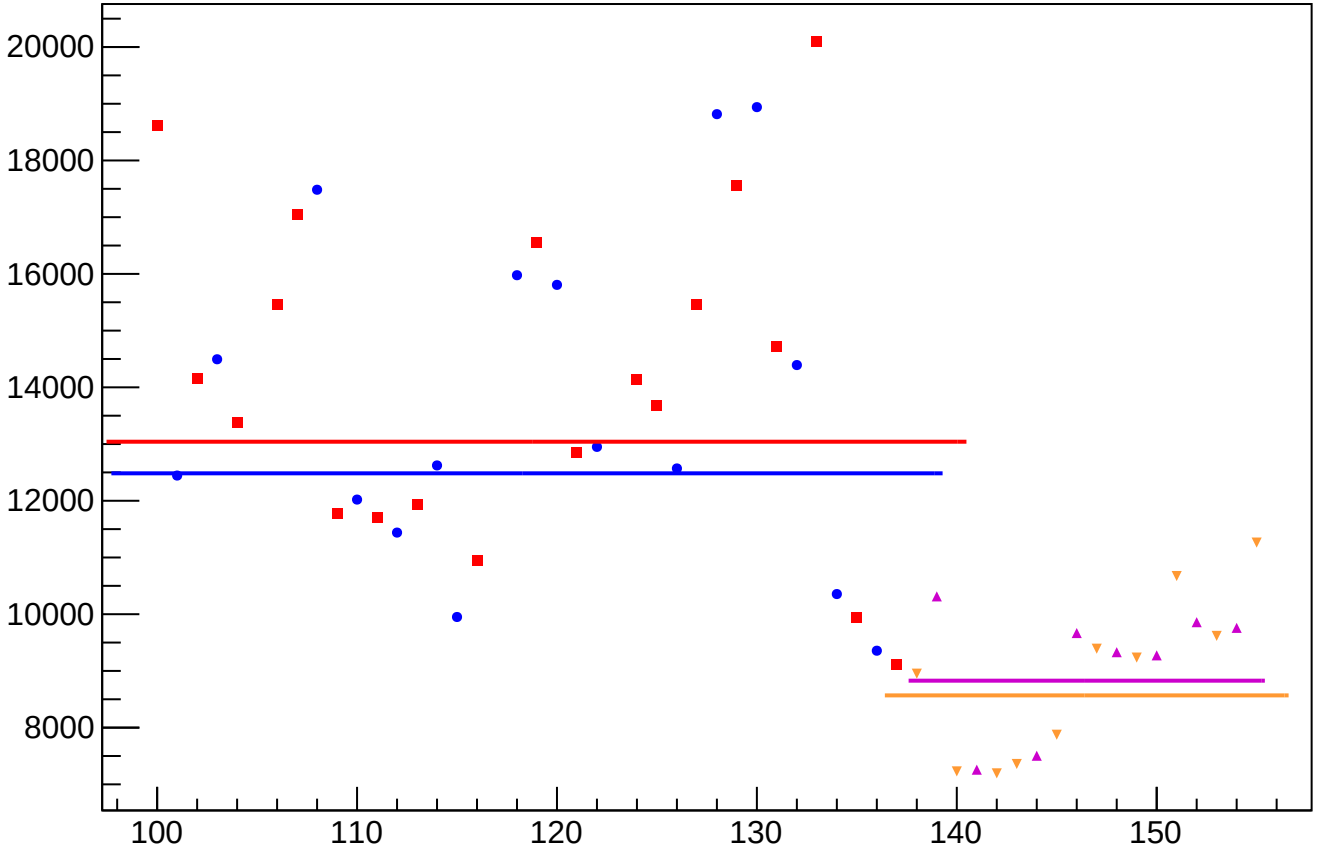
Left In: -1.136+/-3.368 χ^2/NDF:7.5/7

+ sign -11.903+/-2.605 χ^2/NDF: 52.4/25

All: -8.239+/-1.898 χ^2/NDF: 80.1/52

- sign -4.094+/-2.771 χ^2/NDF: 23.5/26

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8568.571+/-2.197 χ^2/NDF:347820.4/9

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

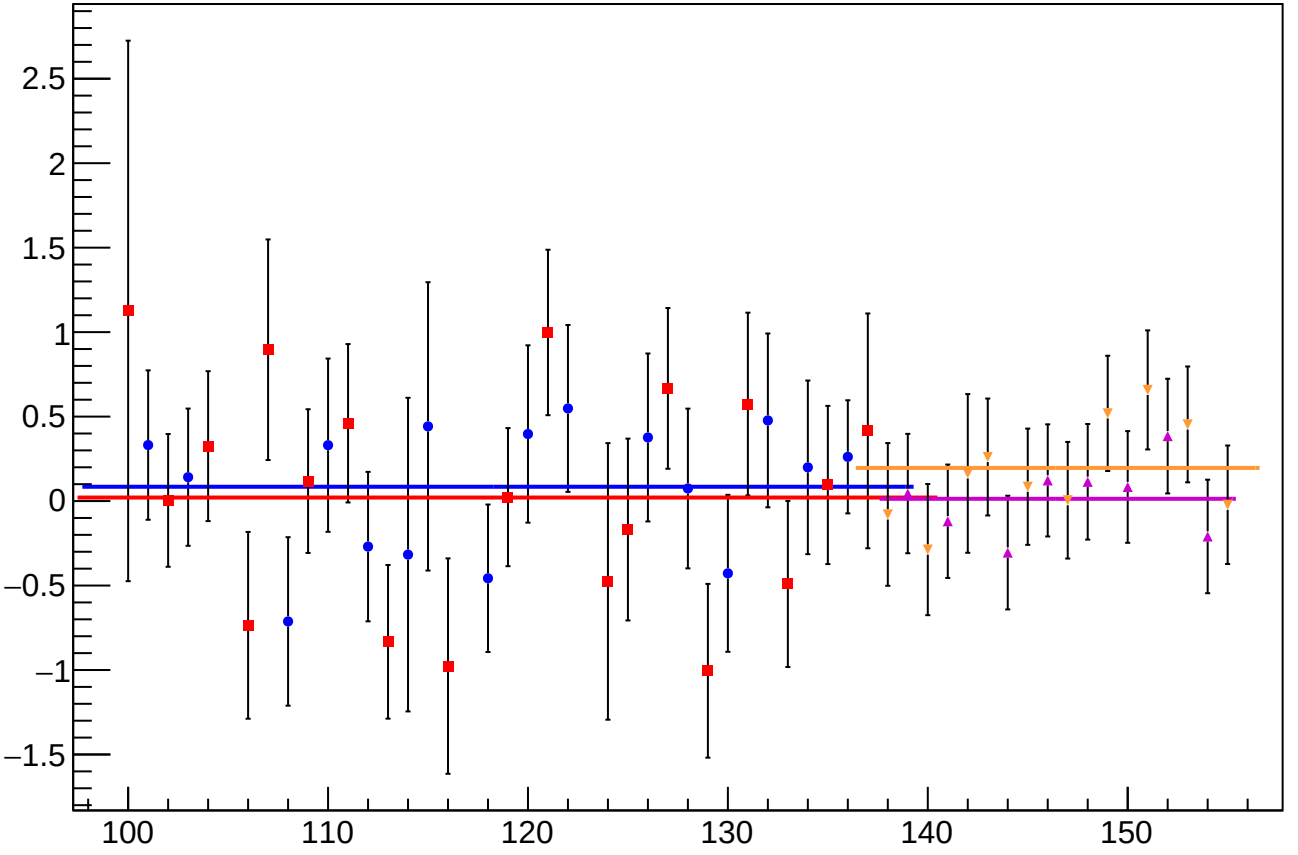
Left In: 8827.984+/-2.382 χ^2/NDF:230006.2/7

+ sign 9731.994+/-1.842 χ^2/NDF: 1962912.4/25

All: 9946.831+/-1.342 χ^2/NDF: 3778070.3/52

- sign 10189.848+/-1.959 χ^2/NDF: 1786170.2/26

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.196+/-0.115 χ^2/NDF:6.0/9

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

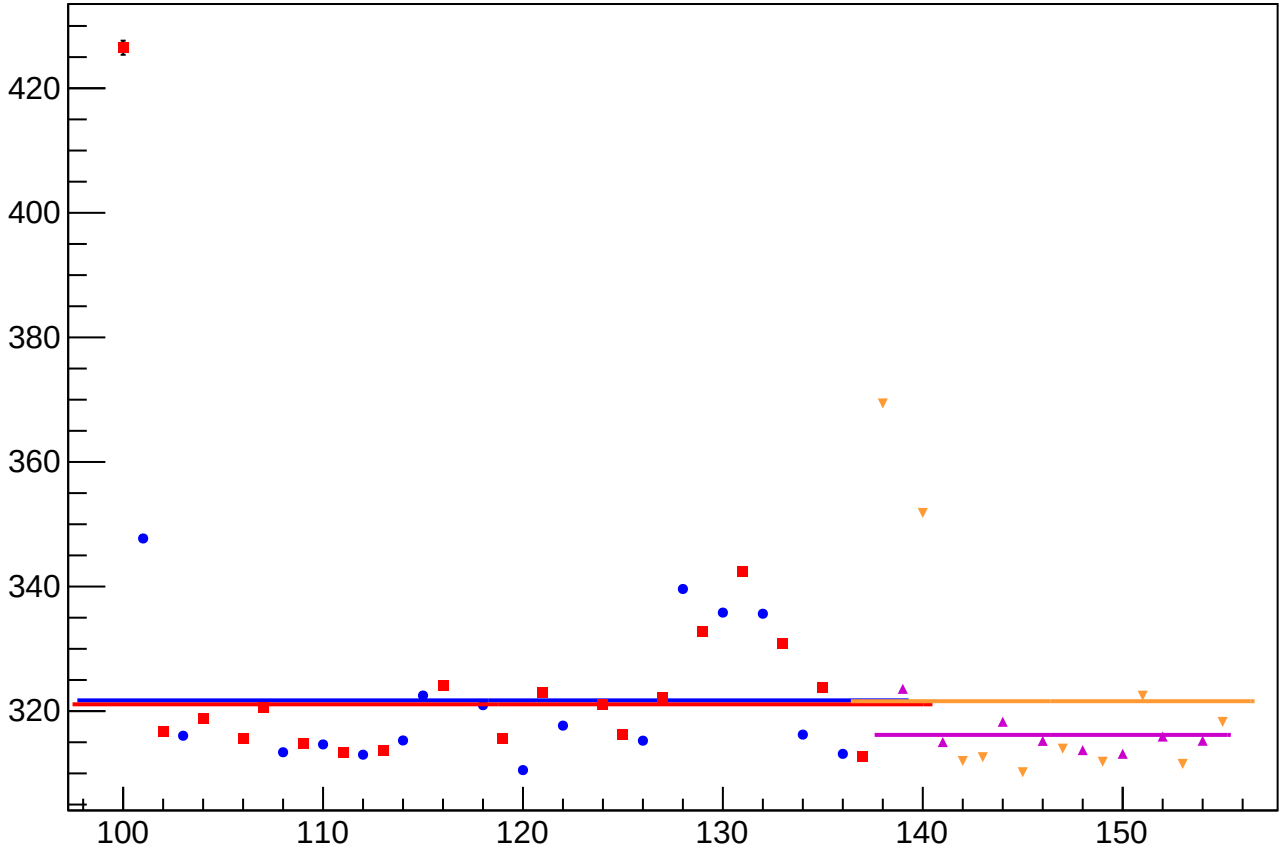
Left In: 0.013+/-0.119 χ^2/NDF:2.9/7

+ sign 0.143+/-0.083 χ^2/NDF: 15.8/25

All: 0.080+/-0.059 χ^2/NDF: 44.2/52

- sign 0.017+/-0.084 χ^2/NDF: 27.2/26

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 321.592+/-0.082 χ^2/NDF:46628.0/9

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

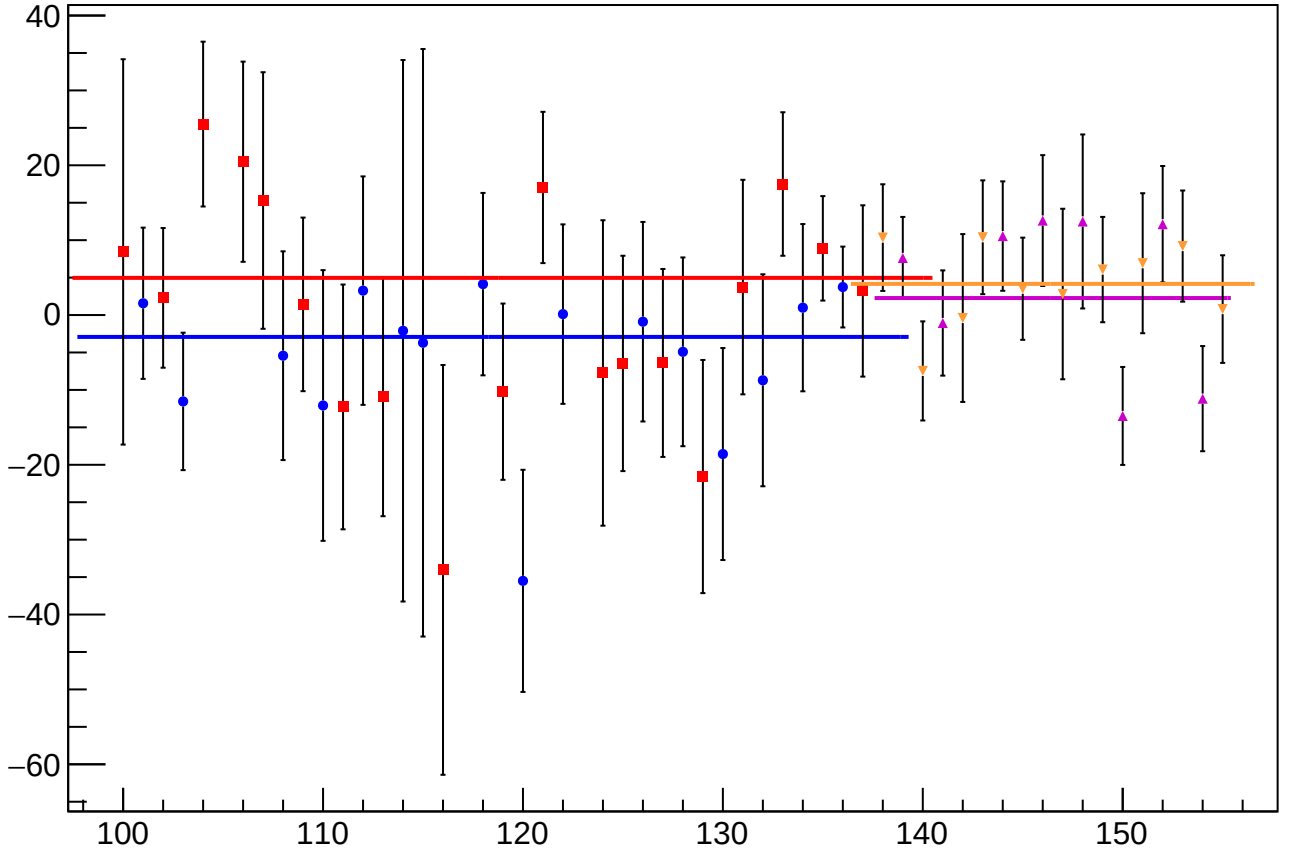
Left In: 316.182+/-0.084 χ^2/NDF:1282.5/7

+ sign 321.657+/-0.059 χ^2/NDF: 64844.0/25

All: 320.179+/-0.042 χ^2/NDF: 85695.4/52

- sign 318.679+/-0.059 χ^2/NDF: 19578.8/26

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.164+/-2.453 χ^2/NDF:5.5/9

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

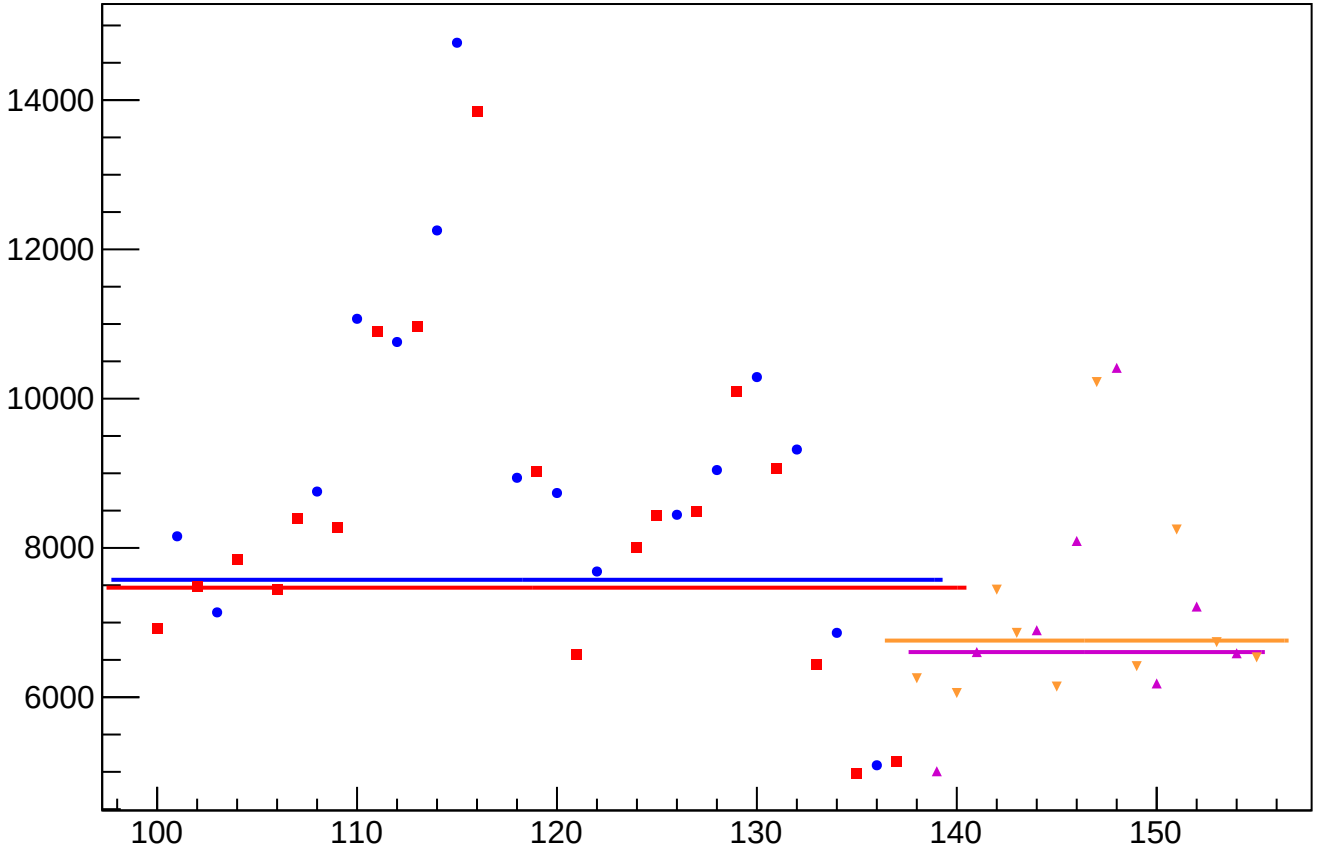
Left In: 2.270+/-2.557 χ^2/NDF:15.7/7

+ sign 1.220+/-1.876 χ^2/NDF: 18.8/25

All: 2.340+/-1.333 χ^2/NDF: 55.2/52

- sign 3.484+/-1.895 χ^2/NDF: 35.6/26

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6758.768+/-1.735 χ^2/NDF:299108.4/9

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

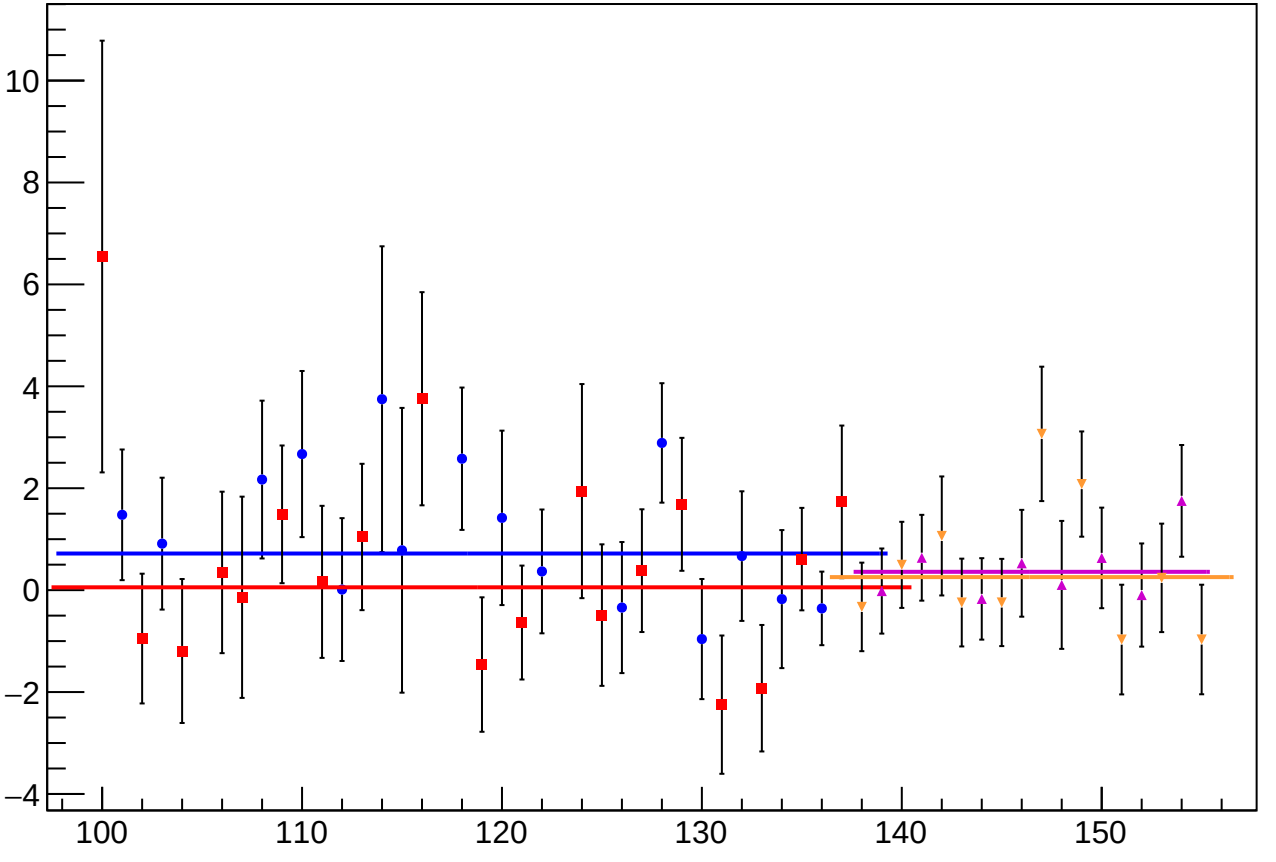
Left In: 6604.724+/-1.808 χ^2/NDF:466470.9/7

+ sign 7097.044+/-1.326 χ^2/NDF: 1288255.4/25

All: 7045.728+/-0.943 χ^2/NDF: 2688694.8/52

- sign 6993.335+/-1.340 χ^2/NDF: 1397414.0/26

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.256+/-0.312 χ^2/NDF:11.9/9

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

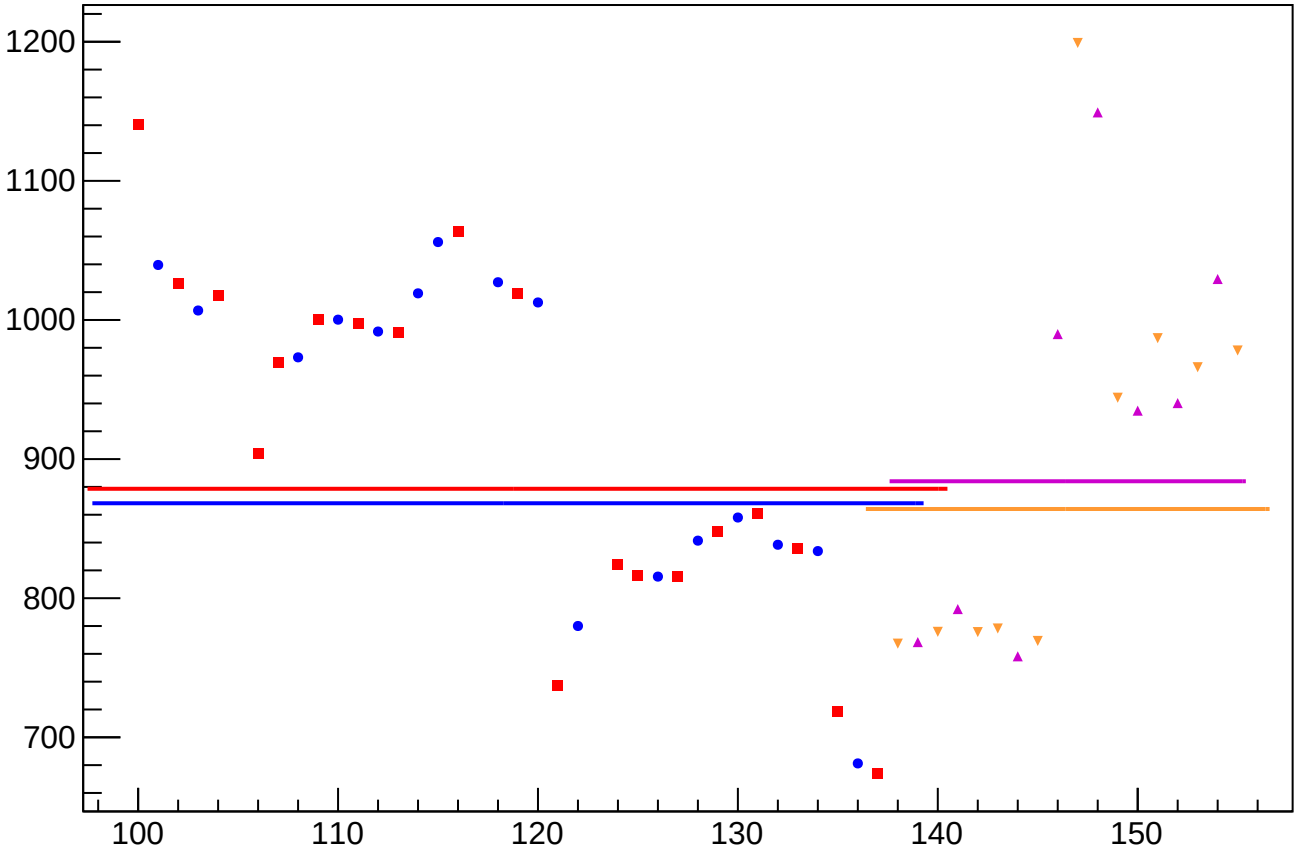
Left In: 0.360+/-0.337 χ^2/NDF:2.7/7

+ sign 0.477+/-0.225 χ^2/NDF: 27.8/25

All: 0.344+/-0.162 χ^2/NDF: 51.5/52

- sign 0.201+/-0.233 χ^2/NDF: 22.9/26

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 864.129+/-0.220 χ^2/NDF:310487.4/9

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

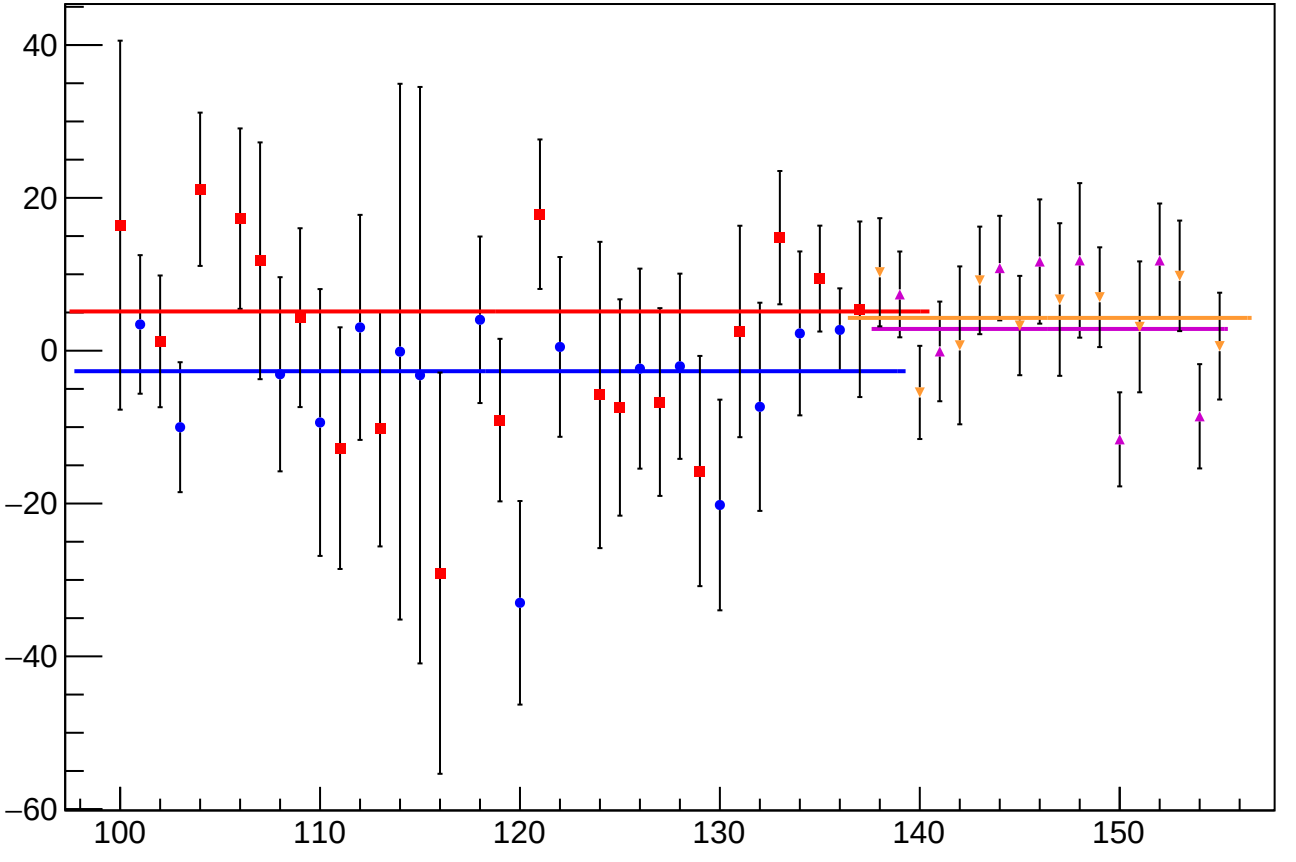
Left In: 884.063+/-0.239 χ^2/NDF:267933.4/7

\+ sign 866.098+/-0.159 χ^2/NDF: 613064.3/25

All: 873.402+/-0.115 χ^2/NDF: 1158157.4/52

\- sign 881.246+/-0.165 χ^2/NDF: 540731.7/26

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.292+/-2.314 χ^2/NDF:5.0/9

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

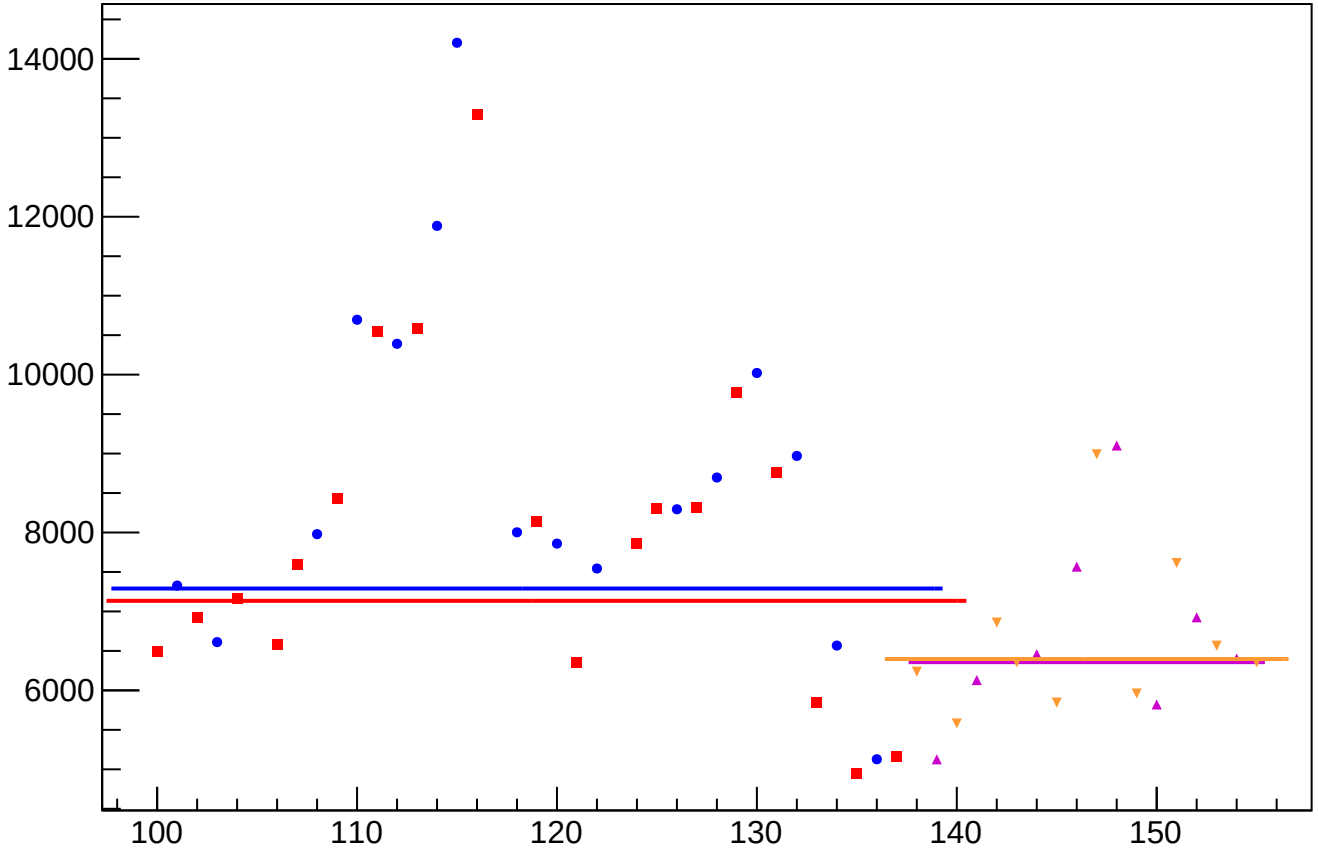
Left In: 2.847+/-2.444 χ^2/NDF:13.9/7

+ sign 1.447+/-1.781 χ^2/NDF: 18.8/25

All: 2.645+/-1.269 χ^2/NDF: 51.3/52

- sign 3.882+/-1.810 χ^2/NDF: 31.6/26

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6397.129+/-1.636 χ^2/NDF:240723.4/9

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

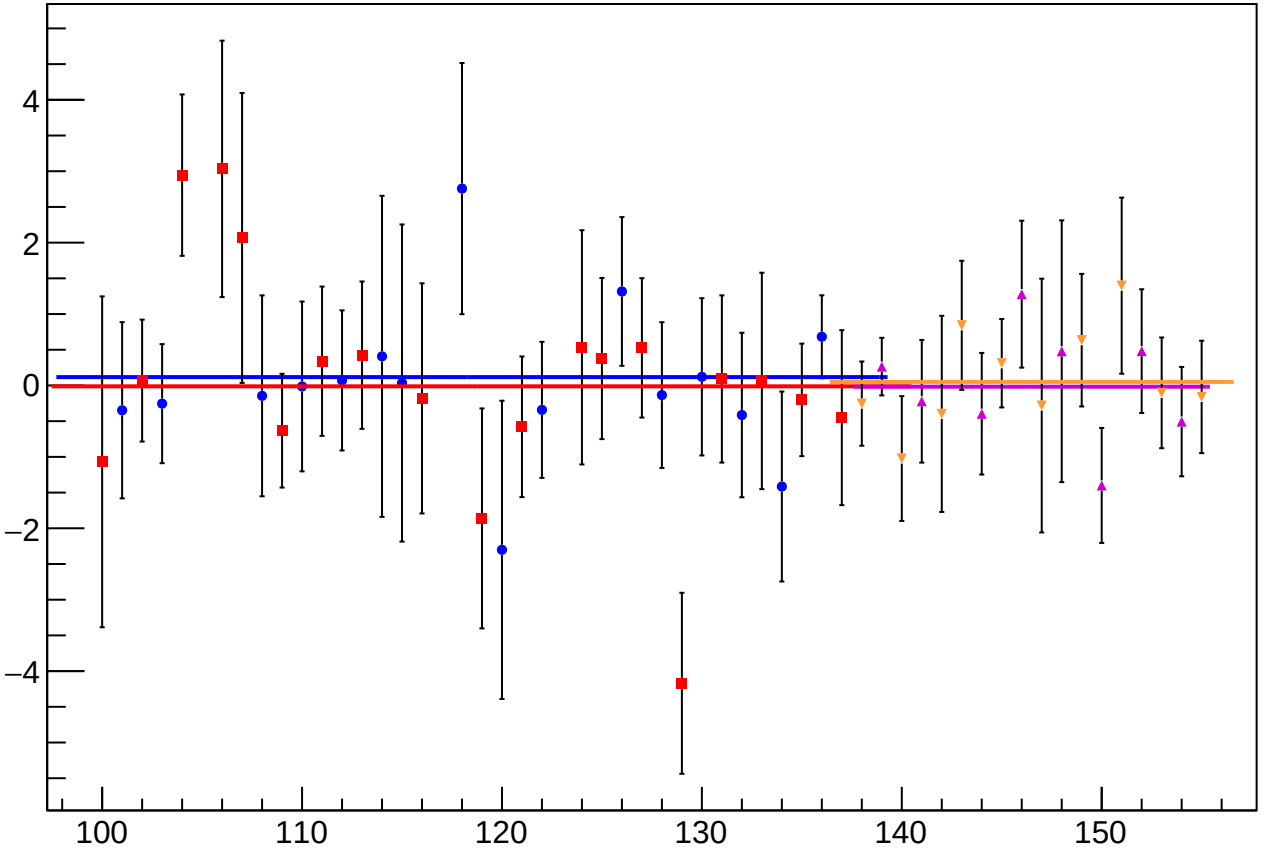
Left In: 6357.776+/-1.728 χ^2/NDF:317533.3/7

+ sign 6761.371+/-1.259 χ^2/NDF: 1132761.9/25

All: 6735.461+/-0.897 χ^2/NDF: 2335194.6/52

- sign 6708.703+/-1.280 χ^2/NDF: 1201571.9/26

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.050+/-0.268 χ^2/NDF:4.6/9

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

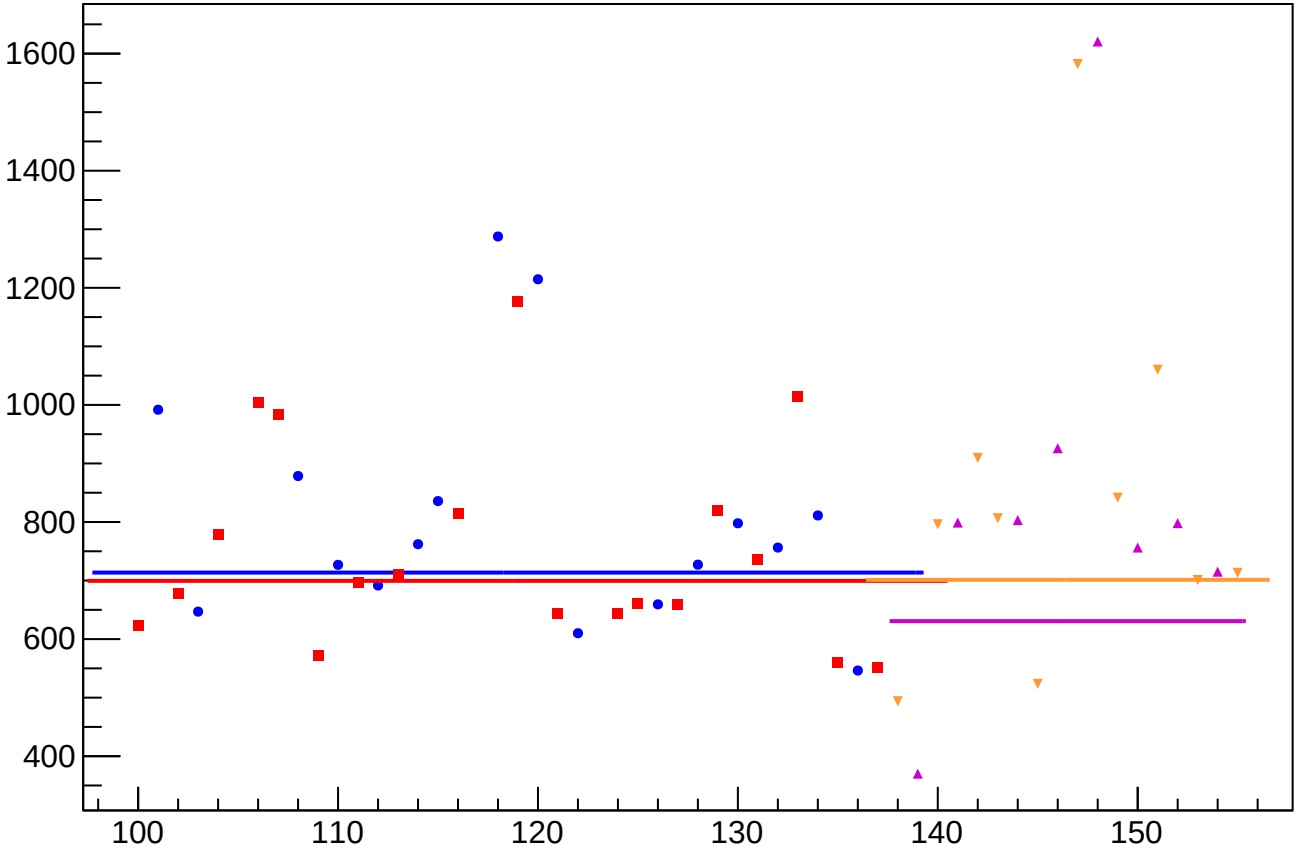
Left In: -0.017+/-0.261 χ^2/NDF:6.1/7

+ sign 0.083+/-0.191 χ^2/NDF: 12.7/25

All: 0.032+/-0.133 χ^2/NDF: 44.1/52

- sign -0.015+/-0.185 χ^2/NDF: 31.3/26

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 701.249+/-0.189 χ^2/NDF:1215569.9/9

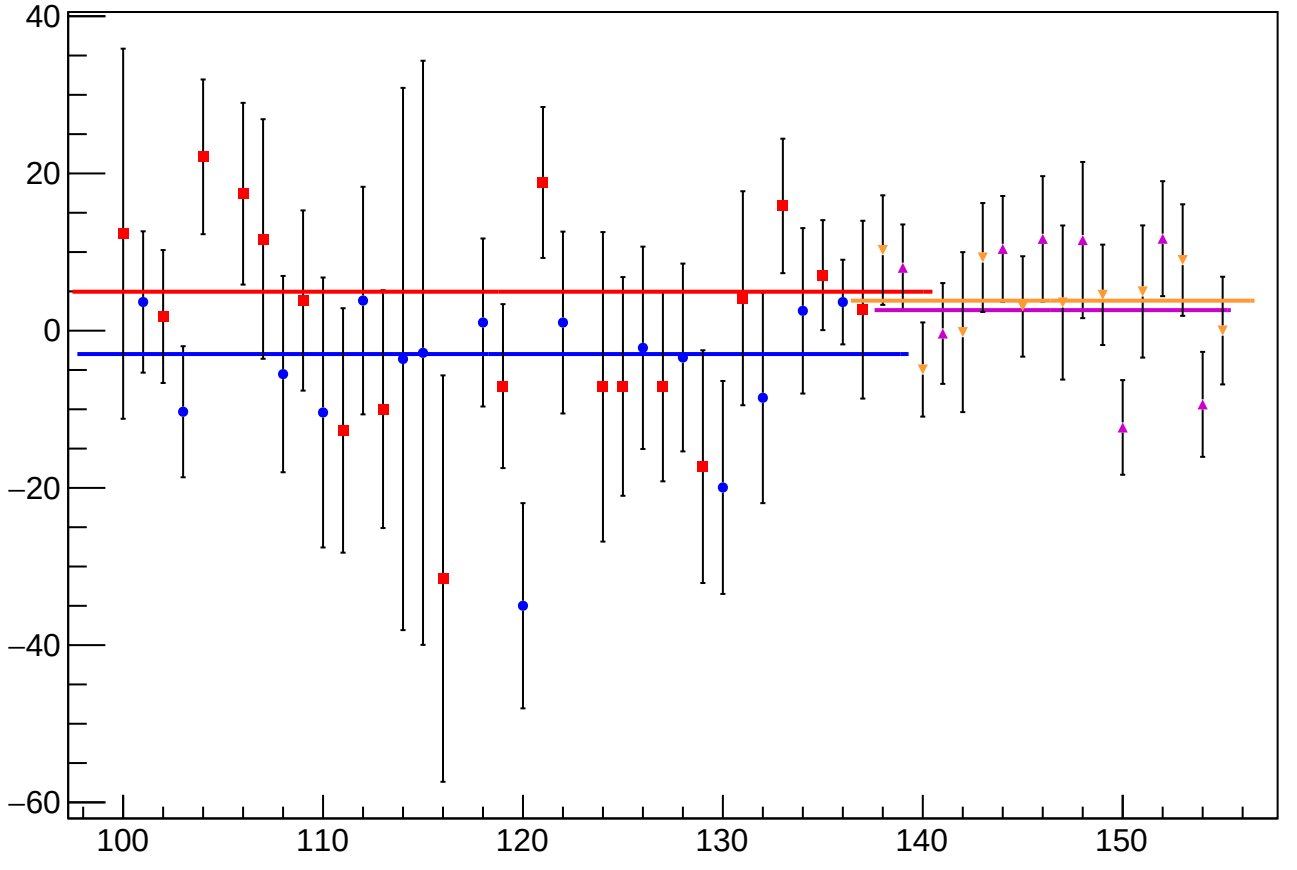
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 630.707+/-0.184 χ^2/NDF:1890156.1/7

+ sign 707.312+/-0.135 χ^2/NDF: 1916969.2/25

All: 685.376+/-0.094 χ^2/NDF: 4502903.0/52

- sign 664.781+/-0.131 χ^2/NDF: 2534877.1/26



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.816+/-2.272 χ^2/NDF:4.7/9

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

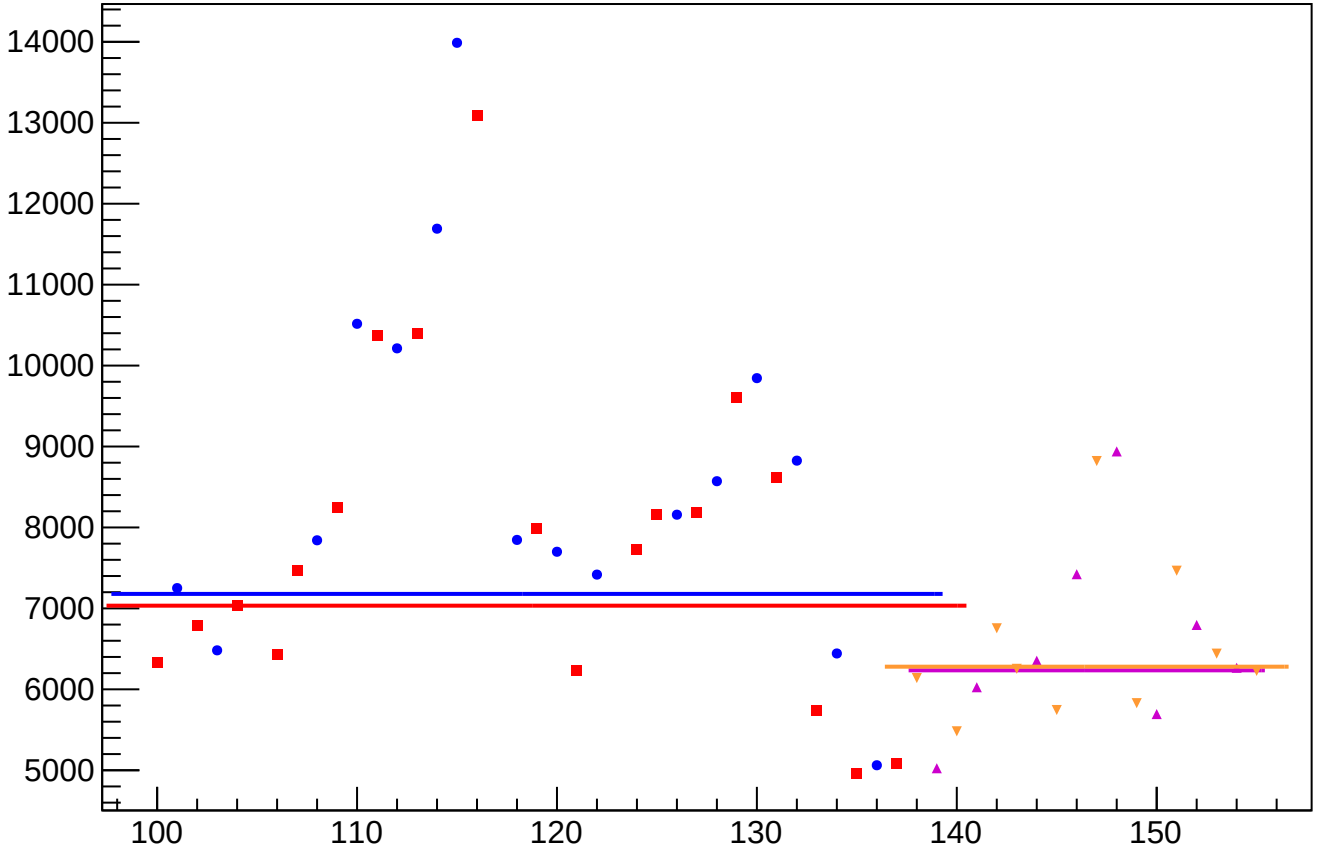
Left In: 2.613+/-2.397 χ^2/NDF:15.5/7

\+ sign 1.057+/-1.750 χ^2/NDF: 19.9/25

All: 2.341+/-1.248 χ^2/NDF: 55.4/52

\- sign 3.666+/-1.779 χ^2/NDF: 34.4/26

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6279.764+/-1.606 χ^2/NDF:240139.1/9

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

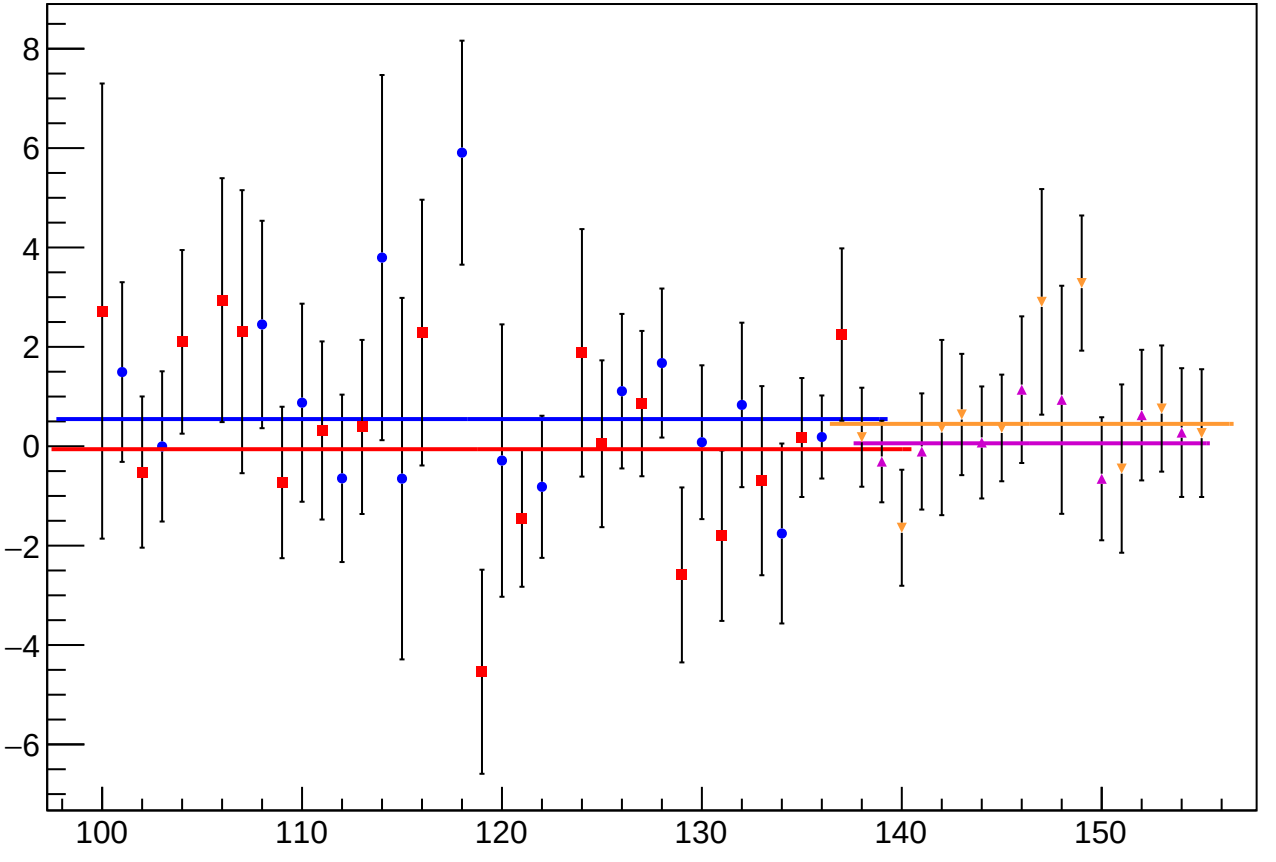
Left In: 6234.623+/-1.695 χ^2/NDF:319858.5/7

+ sign 6645.102+/-1.238 χ^2/NDF: 1129381.0/25

All: 6619.822+/-0.882 χ^2/NDF: 2316308.6/52

- sign 6593.716+/-1.258 χ^2/NDF: 1186079.6/26

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.450+/-0.411 χ^2/NDF:9.2/9

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

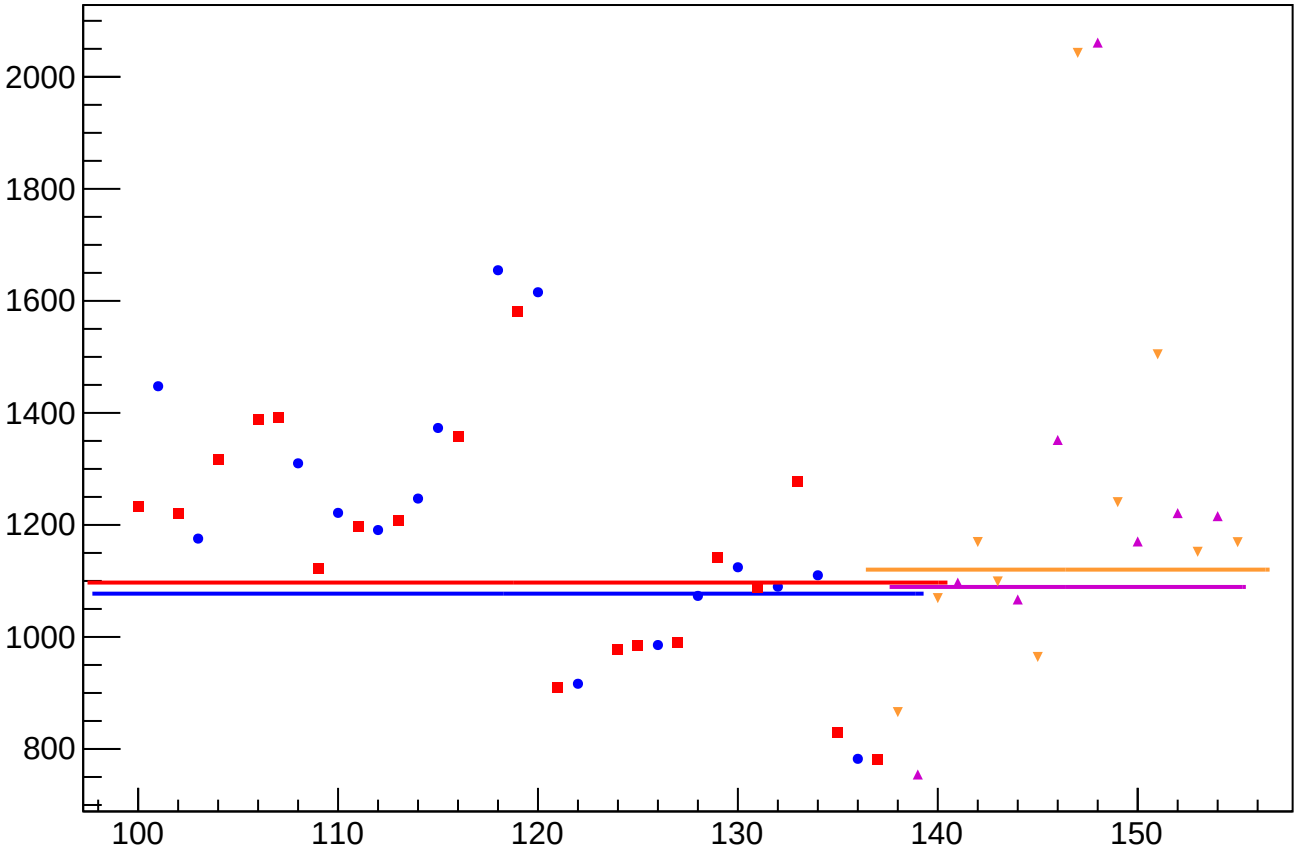
Left In: 0.059+/-0.427 χ^2/NDF:1.4/7

+ sign 0.499+/-0.291 χ^2/NDF: 21.1/25

All: 0.252+/-0.207 χ^2/NDF: 41.0/52

- sign -0.003+/-0.295 χ^2/NDF: 18.3/26

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1120.198+/-0.291 χ^2/NDF:631728.3/9

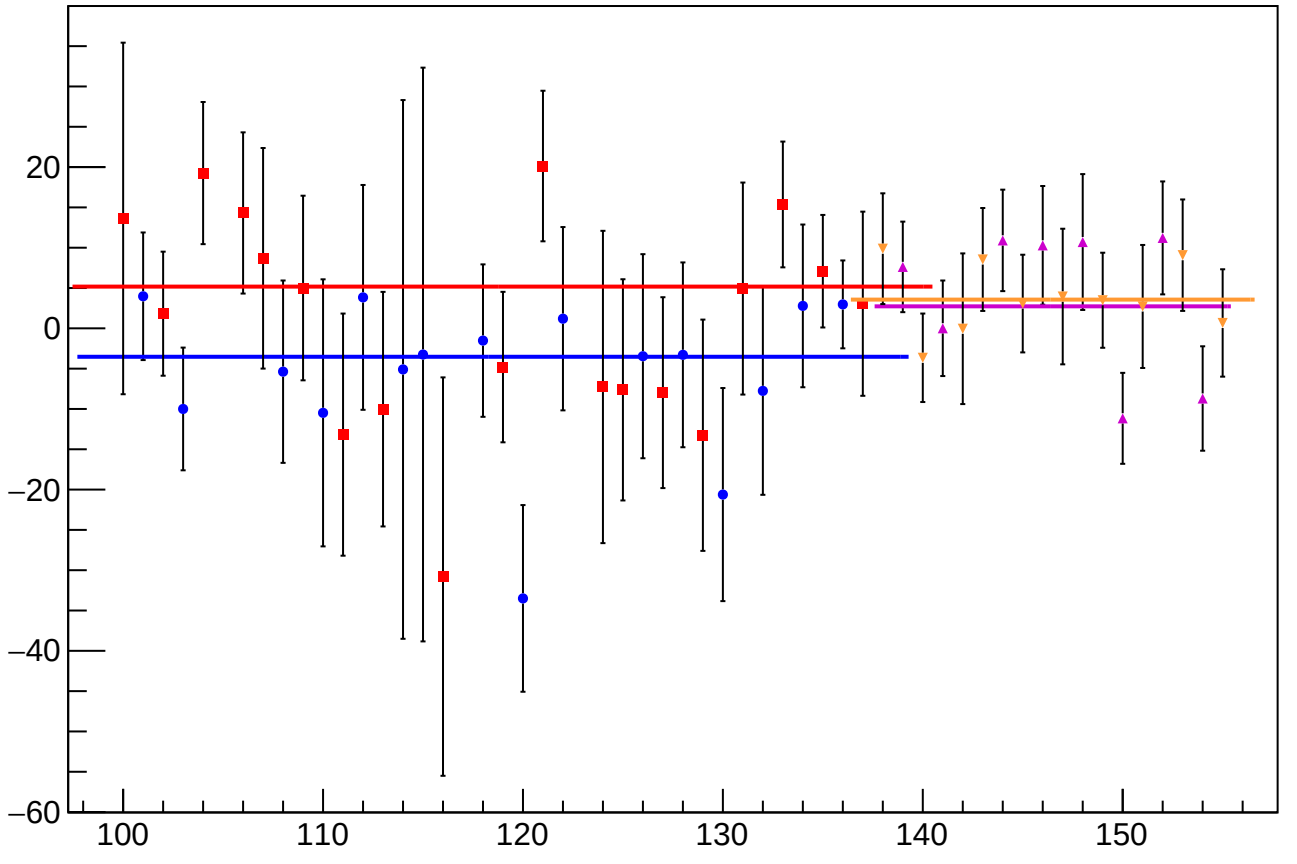
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1089.280+/-0.302 χ^2/NDF:803976.0/7

+ sign 1098.729+/-0.206 χ^2/NDF: 1289136.1/25

All: 1096.090+/-0.146 χ^2/NDF: 2578168.5/52

- sign 1093.365+/-0.209 χ^2/NDF: 1288697.2/26



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.563+/-2.126 χ^2/NDF:4.2/9

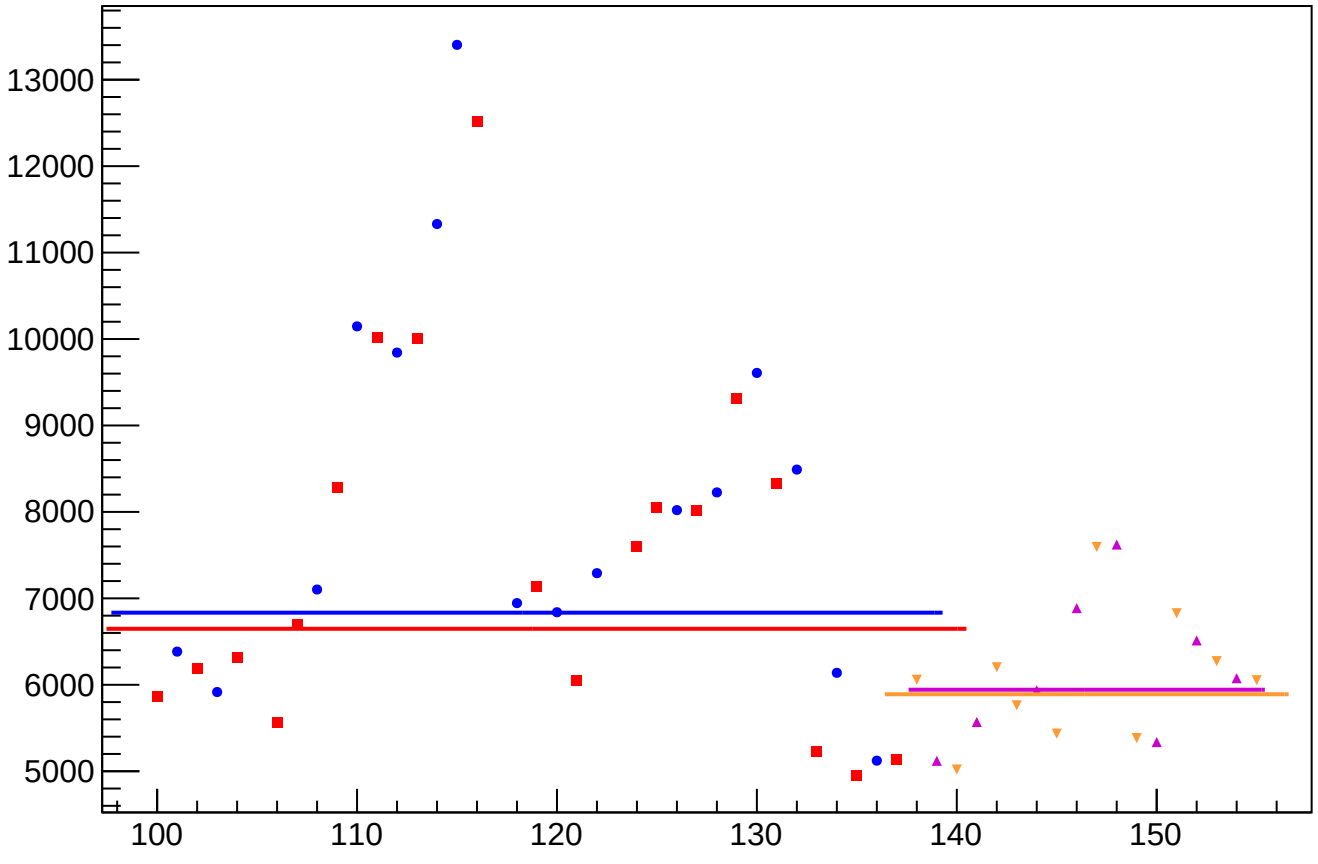
Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: 2.728+/-2.272 χ^2/NDF:15.3/7

+ sign 0.733+/-1.648 χ^2/NDF: 21.2/25

All: 2.249+/-1.178 χ^2/NDF: 56.9/52

- sign 3.832+/-1.684 χ^2/NDF: 34.0/26



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5890.450+/-1.503 χ^2/NDF:200252.8/9

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

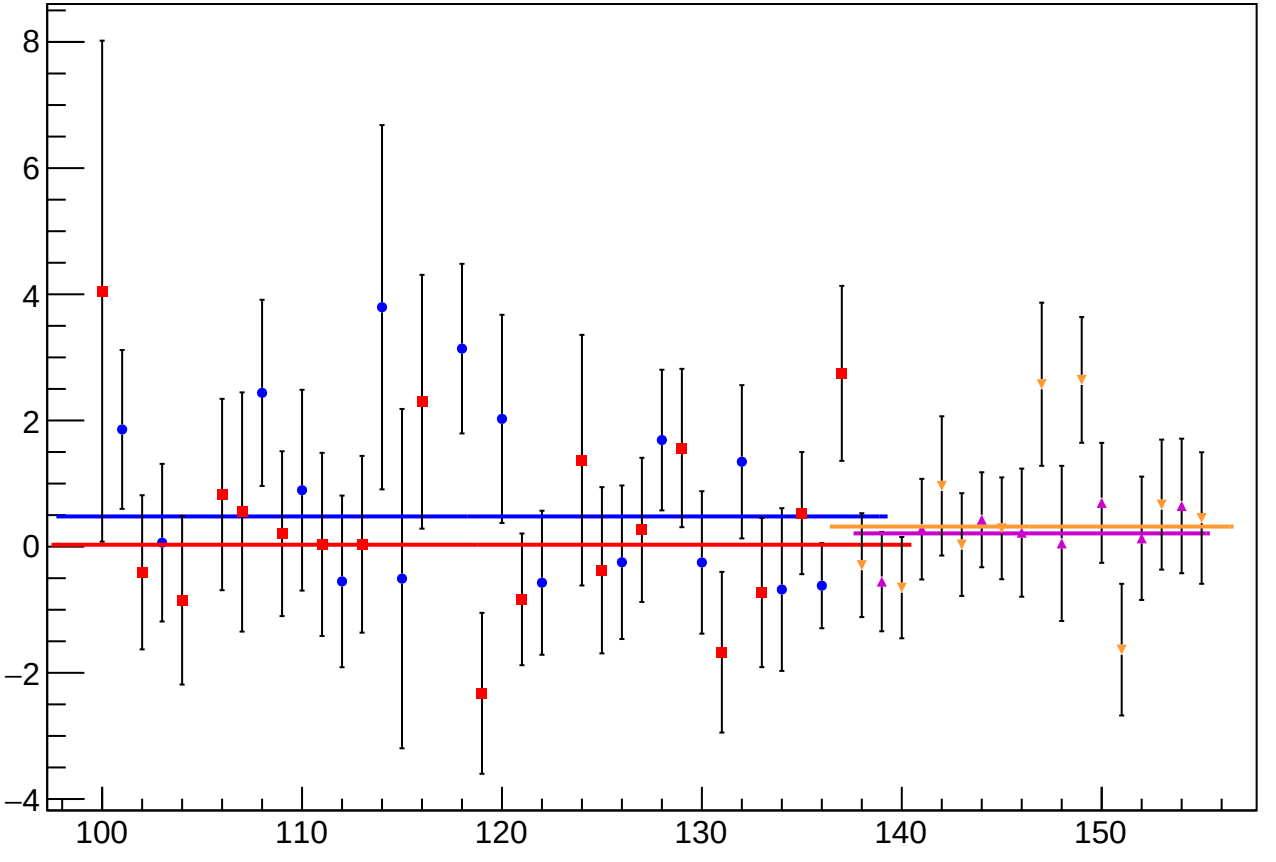
Left In: 5943.047+/-1.607 χ^2/NDF:200332.5/7

\+ sign 6267.272+/-1.165 χ^2/NDF: 1050347.6/25

All: 6264.143+/-0.833 χ^2/NDF: 2122572.2/52

\- sign 6260.876+/-1.191 χ^2/NDF: 1072209.9/26

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.319+/-0.298 χ^2/NDF:14.6/9

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

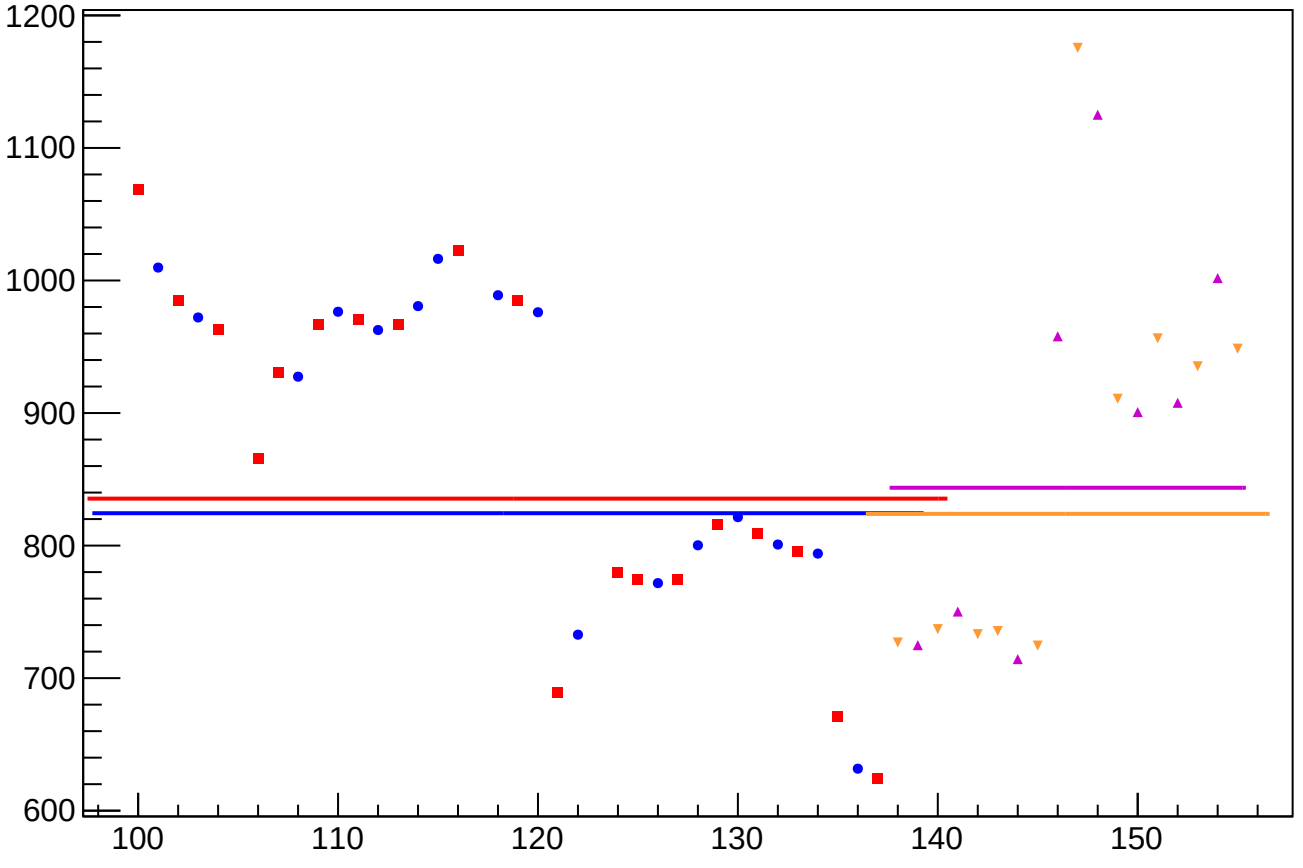
Left In: 0.210+/-0.323 χ^2/NDF:1.5/7

+ sign 0.395+/-0.215 χ^2/NDF: 31.4/25

All: 0.261+/-0.155 χ^2/NDF: 49.6/52

- sign 0.116+/-0.223 χ^2/NDF: 17.4/26

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 823.945+/-0.211 χ^2/NDF:365900.4/9

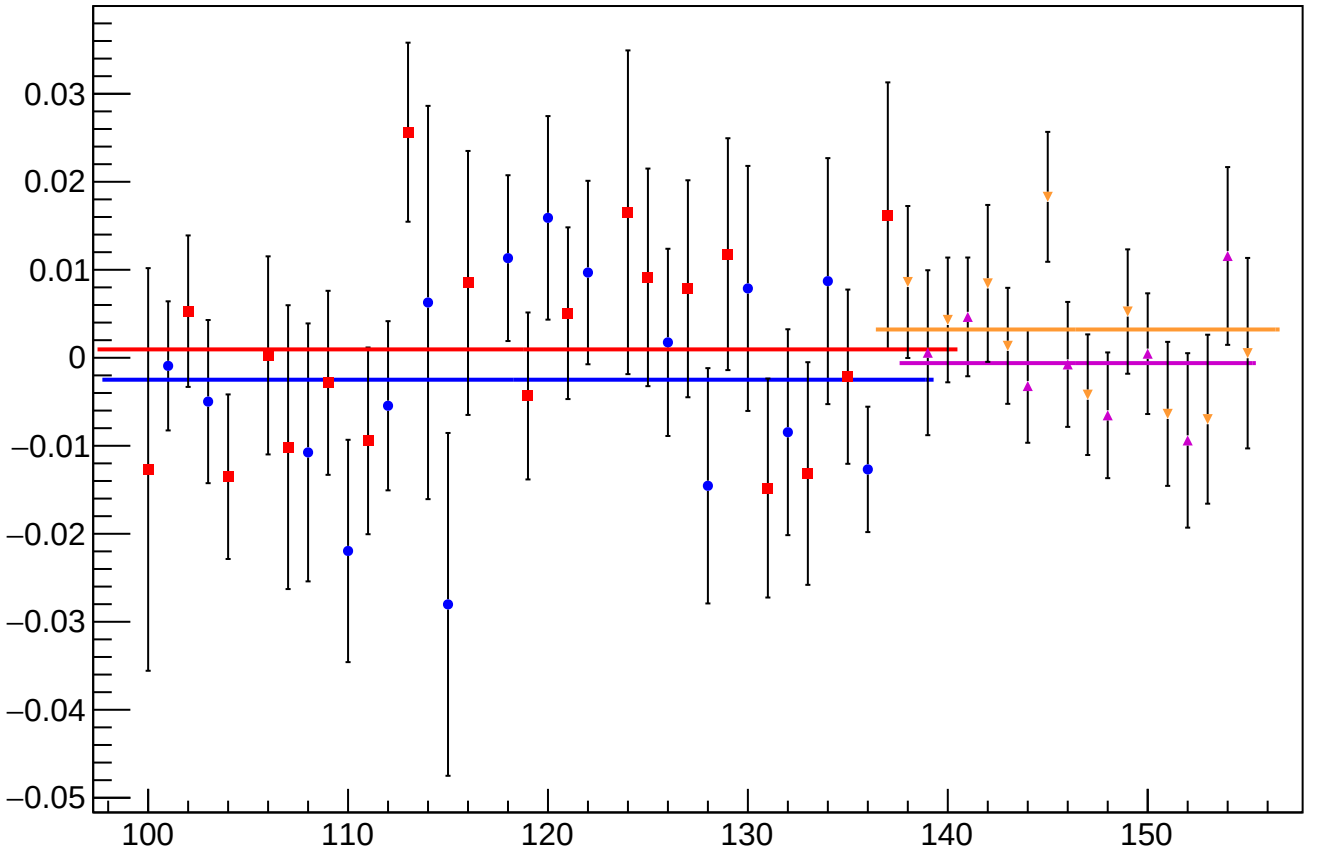
Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 843.631+/-0.228 χ^2/NDF:321732.3/7

+ sign 824.178+/-0.152 χ^2/NDF: 731364.7/25

All: 831.489+/-0.109 χ^2/NDF: 1377872.7/52

- sign 839.352+/-0.158 χ^2/NDF: 641708.3/26



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.003+/-0.002 χ^2/NDF:8.8/9

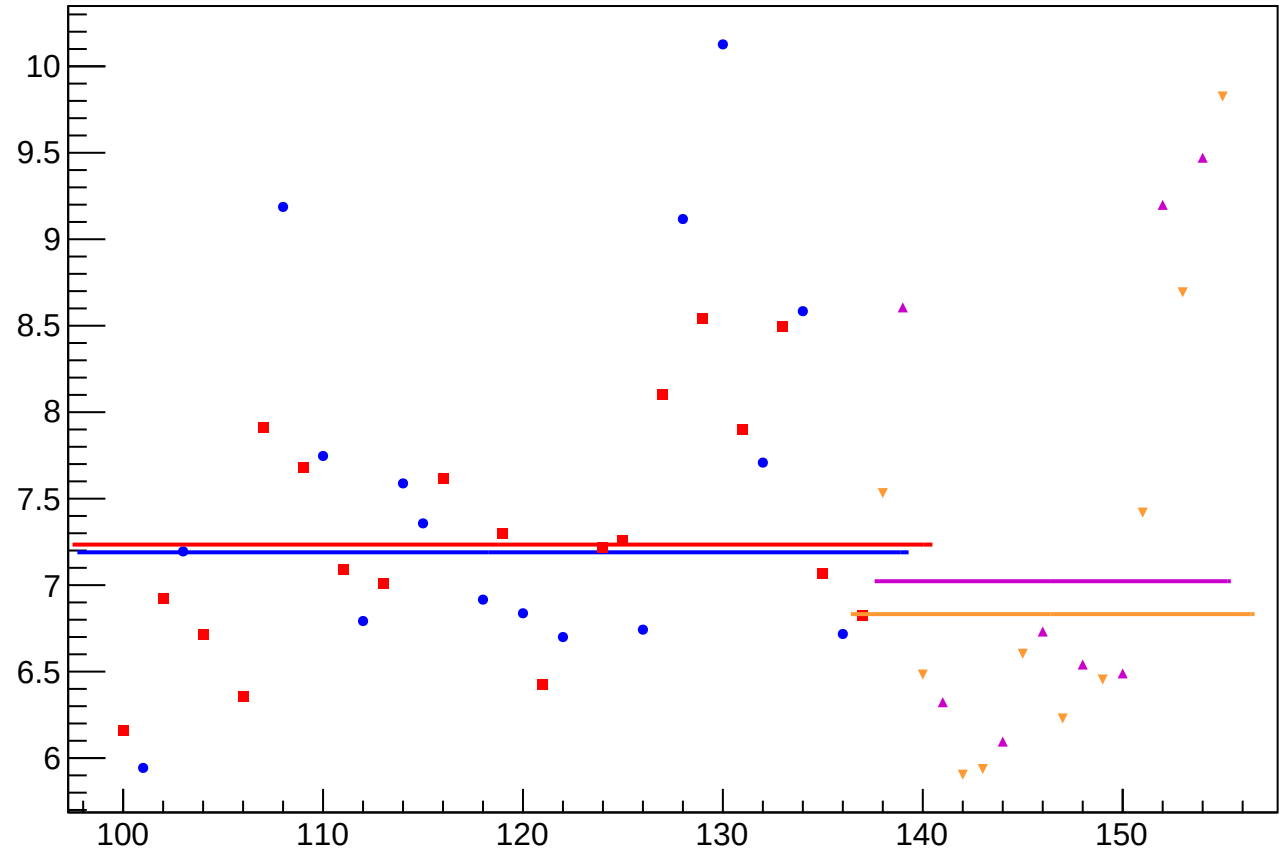
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.001+/-0.003 χ^2/NDF:3.7/7

+ sign 0.001+/-0.002 χ^2/NDF: 26.5/25

All: 0.000+/-0.001 χ^2/NDF: 47.8/52

- sign 0.000+/-0.002 χ^2/NDF: 21.2/26



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.832+/-0.002 χ^2/NDF:338141.8/9

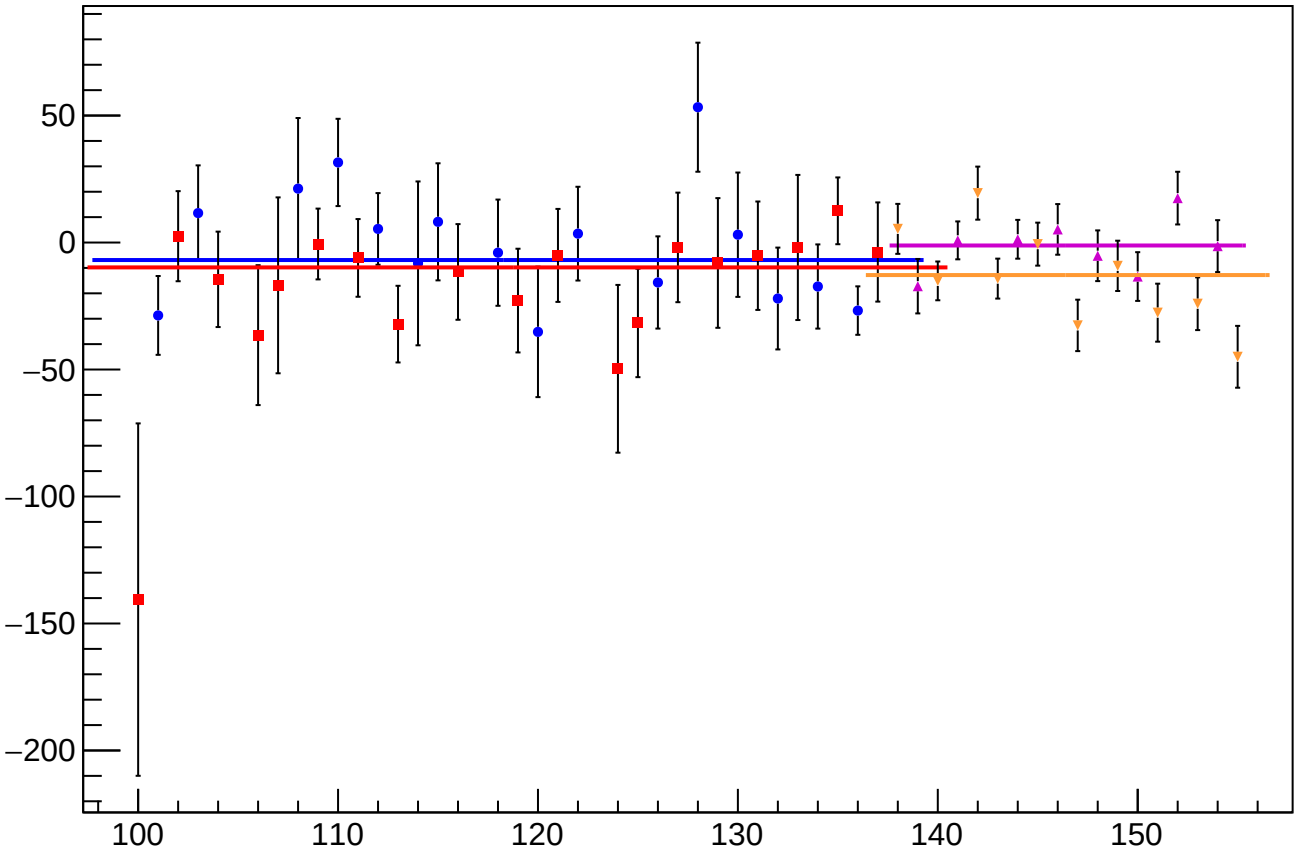
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.023+/-0.002 χ^2/NDF:358363.2/7

+ sign 6.995+/-0.001 χ^2/NDF: 634745.9/25

All: 7.060+/-0.001 χ^2/NDF: 1110883.7/52

- sign 7.130+/-0.001 χ^2/NDF: 470895.1/26



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -12.808+/-3.009 χ^2/NDF:29.0/9

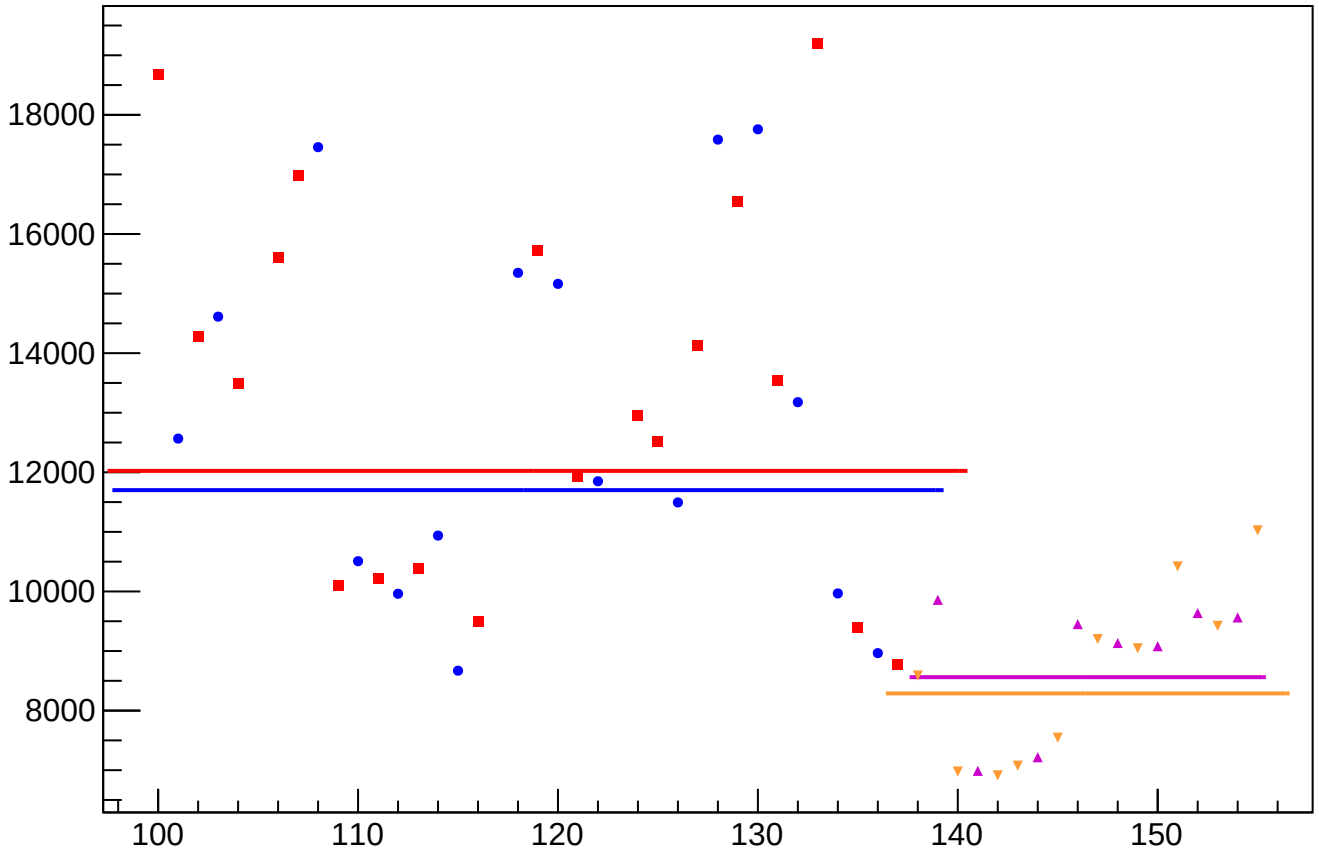
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -1.163+/-3.268 χ^2/NDF:7.8/7

+ sign -10.973+/-2.499 χ^2/NDF: 53.2/25

All: -7.748+/-1.818 χ^2/NDF: 80.9/52

- sign -4.127+/-2.648 χ^2/NDF: 24.2/26



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8288.527+/-2.128 χ^2/NDF:381146.0/9

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

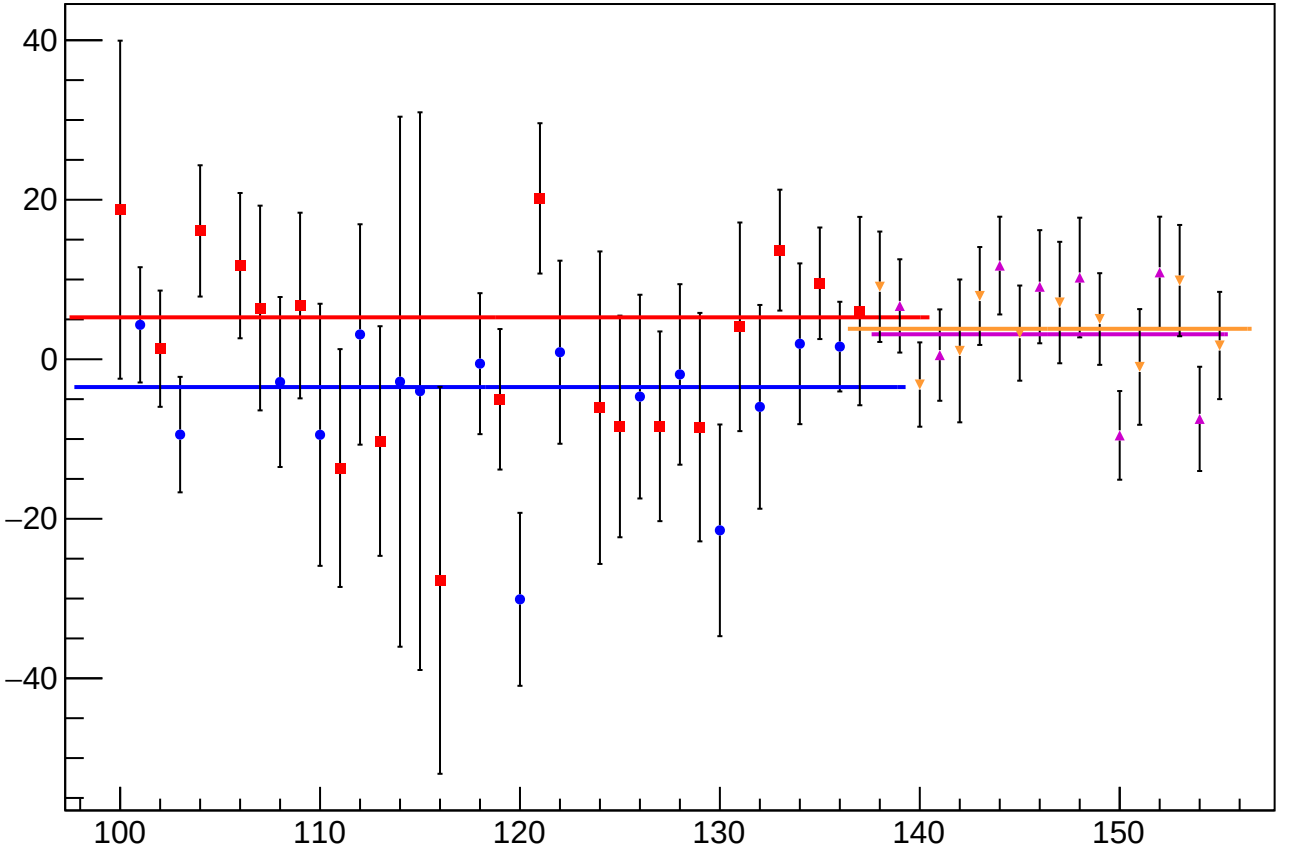
Left In: 8561.058+/-2.311 χ^2/NDF:249288.9/7

+ sign 9346.653+/-1.767 χ^2/NDF: 1918737.9/25

All: 9537.166+/-1.285 χ^2/NDF: 3649073.0/52

- sign 9750.986+/-1.872 χ^2/NDF: 1705674.4/26

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.822+/-2.072 χ^2/NDF:4.4/9

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

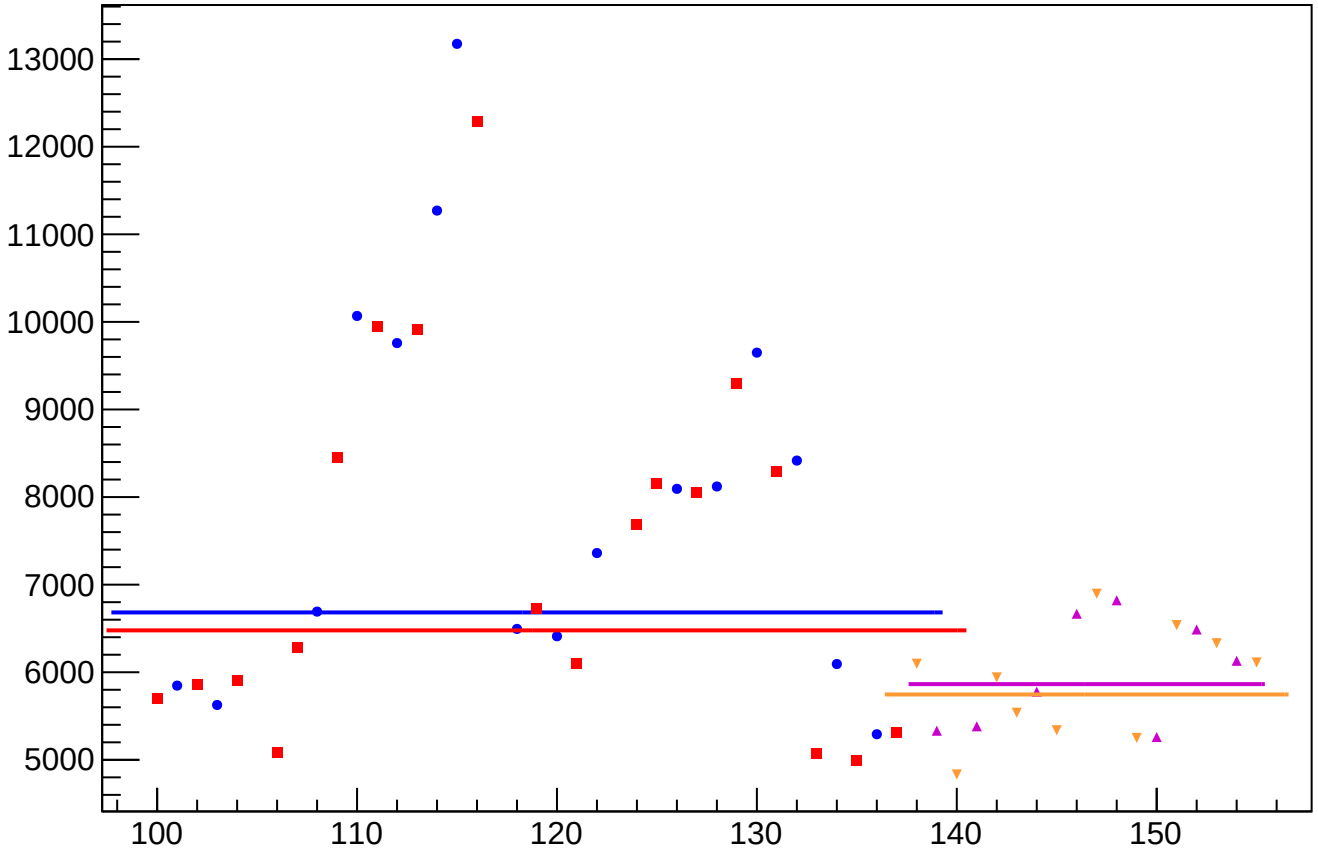
Left In: 3.133+/-2.234 χ^2/NDF:13.2/7

+ sign 0.916+/-1.608 χ^2/NDF: 20.8/25

All: 2.467+/-1.151 χ^2/NDF: 53.0/52

- sign 4.100+/-1.650 χ^2/NDF: 30.3/26

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5746.371+/-1.465 χ^2/NDF:181808.5/9

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

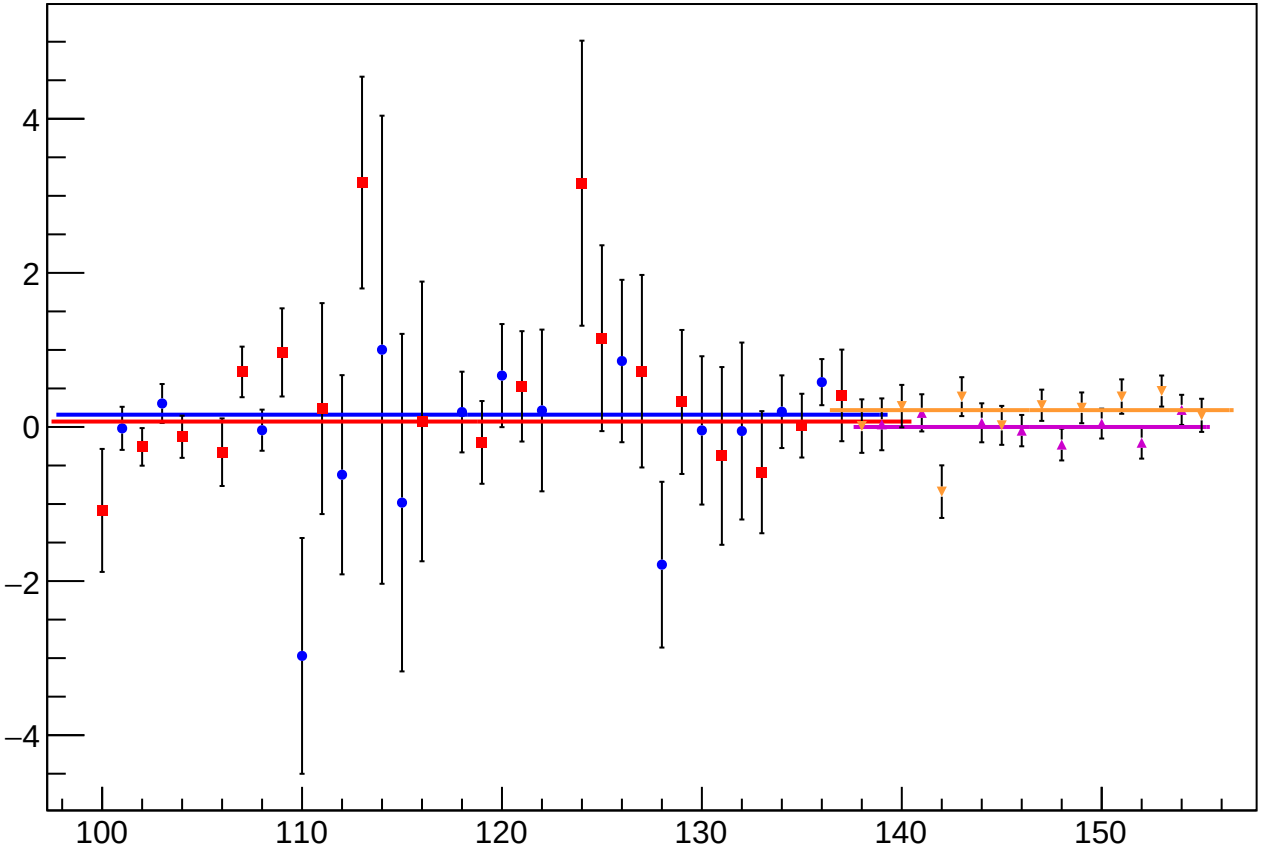
Left In: 5864.475+/-1.580 χ^2/NDF:132237.1/7

+ sign 6118.861+/-1.137 χ^2/NDF: 1036568.3/25

All: 6130.901+/-0.814 χ^2/NDF: 2076871.3/52

- sign 6143.578+/-1.167 χ^2/NDF: 1040072.8/26

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.219+/-0.075 χ^2/NDF:13.4/9

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

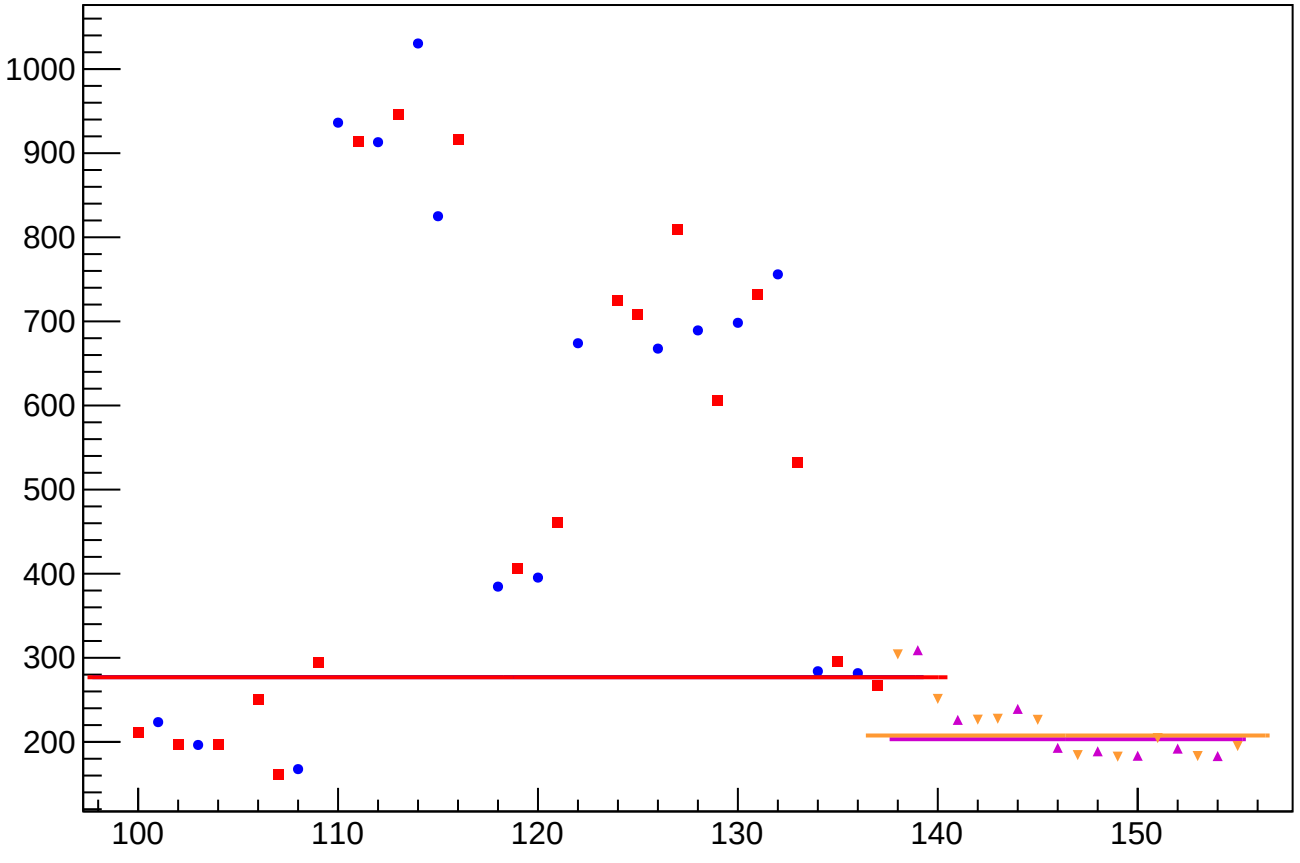
Left In: 0.000+/-0.078 χ^2/NDF:4.2/7

+ sign 0.202+/-0.064 χ^2/NDF: 26.2/25

All: 0.114+/-0.046 χ^2/NDF: 57.1/52

- sign 0.021+/-0.065 χ^2/NDF: 26.9/26

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 207.625+/-0.053 χ^2/NDF:328542.0/9

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

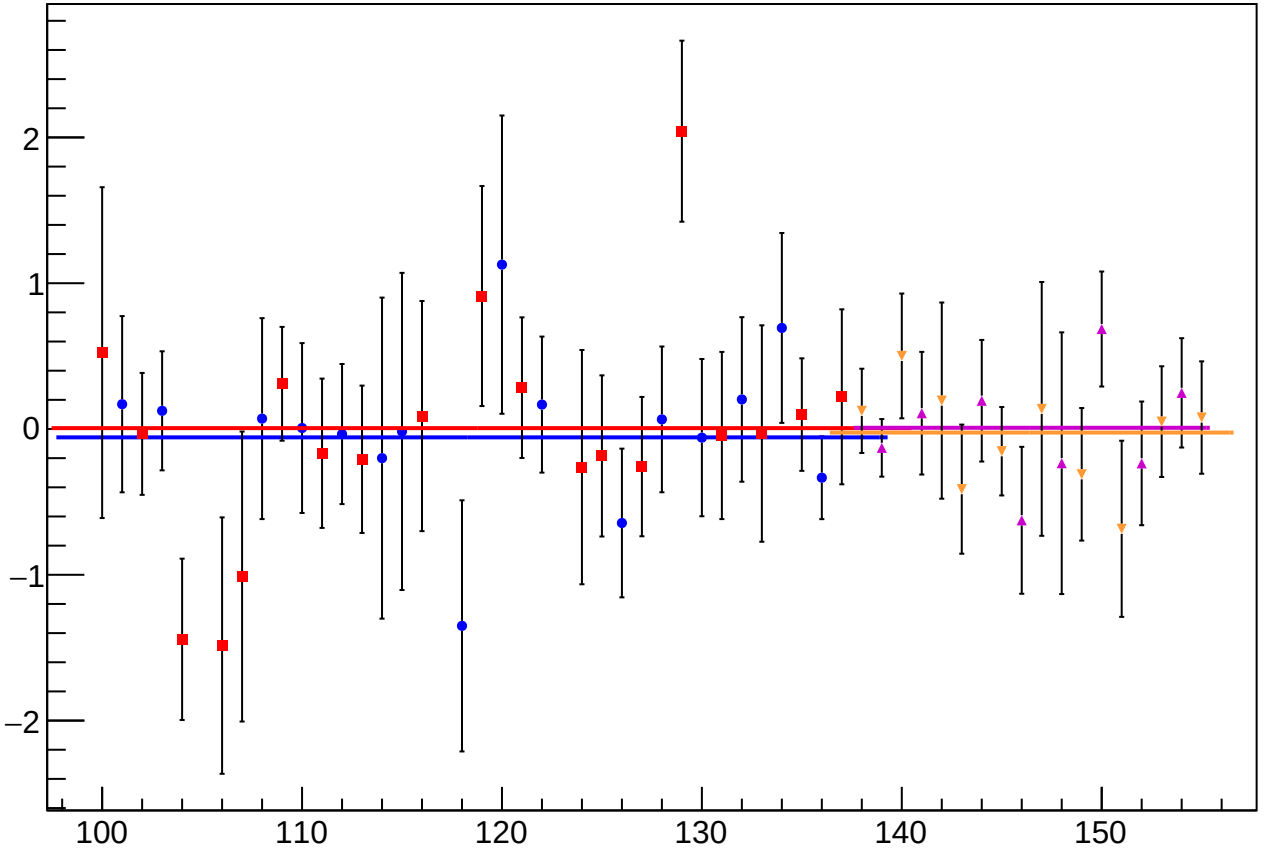
Left In: 203.226+/-0.055 χ^2/NDF:319024.1/7

+ sign 227.265+/-0.045 χ^2/NDF: 4261949.3/25

All: 226.191+/-0.032 χ^2/NDF: 8686245.4/52

- sign 225.064+/-0.046 χ^2/NDF: 4423128.7/26

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: -0.024+/-0.131 χ^2/NDF:4.6/9

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

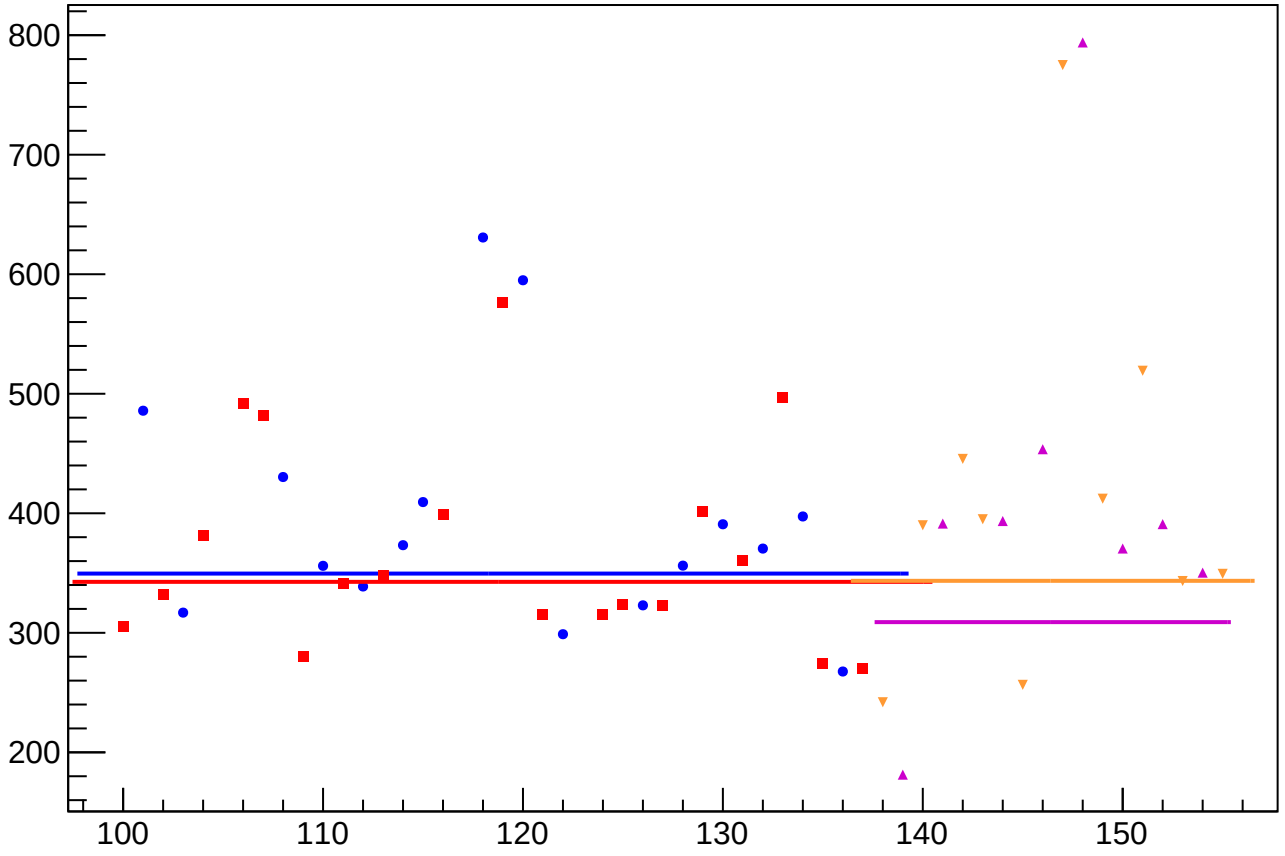
Left In: 0.008+/-0.128 χ^2/NDF:6.1/7

+ sign -0.041+/-0.094 χ^2/NDF: 12.7/25

All: -0.016+/-0.065 χ^2/NDF: 44.1/52

- sign 0.007+/-0.091 χ^2/NDF: 31.3/26

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 343.497+/-0.093 χ^2/NDF:1215569.9/9

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

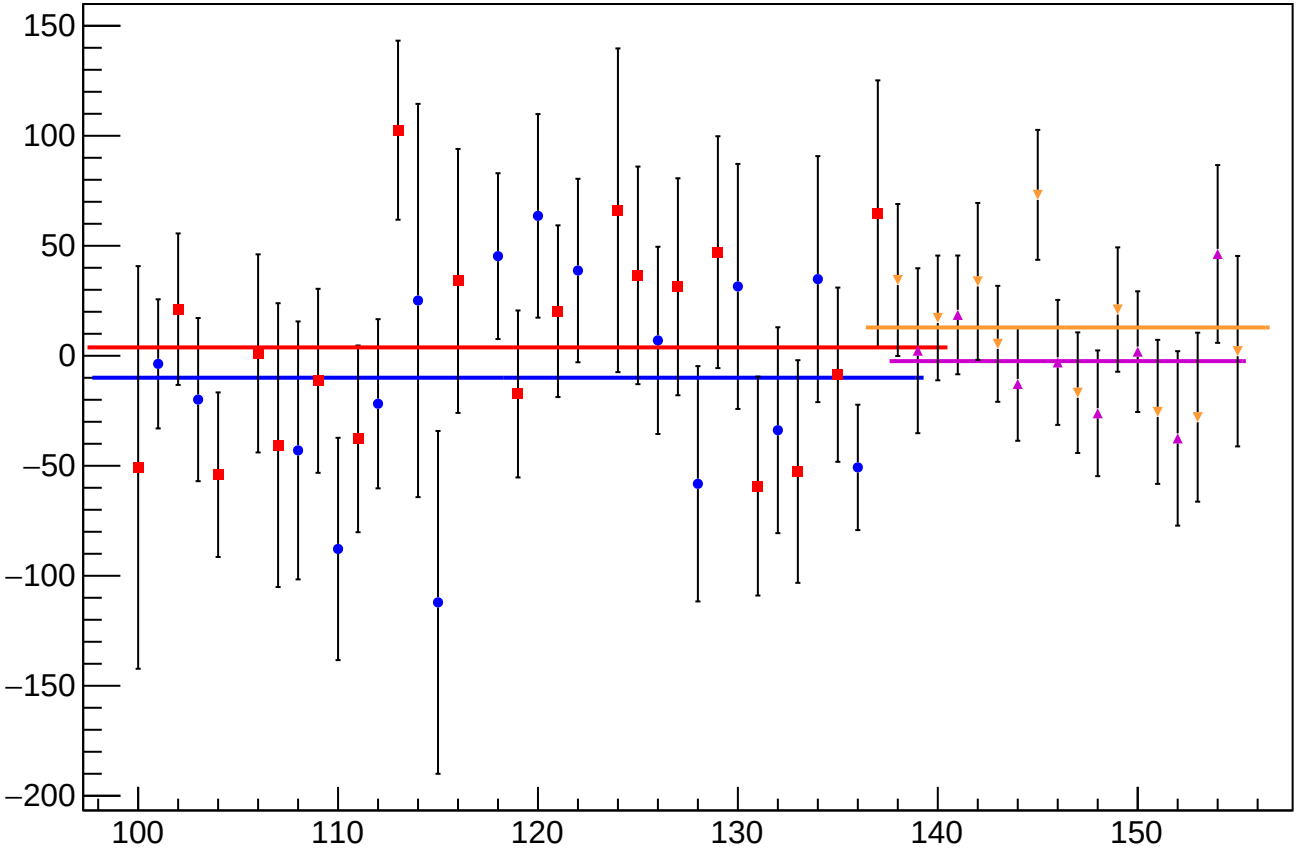
Left In: 308.943+/-0.090 χ^2/NDF:1890156.1/7

+ sign 346.467+/-0.066 χ^2/NDF: 1916969.2/25

All: 335.722+/-0.046 χ^2/NDF: 4502903.0/52

- sign 325.633+/-0.064 χ^2/NDF: 2534877.1/26

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 12.862+/-9.911 χ^2/NDF:8.8/9

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

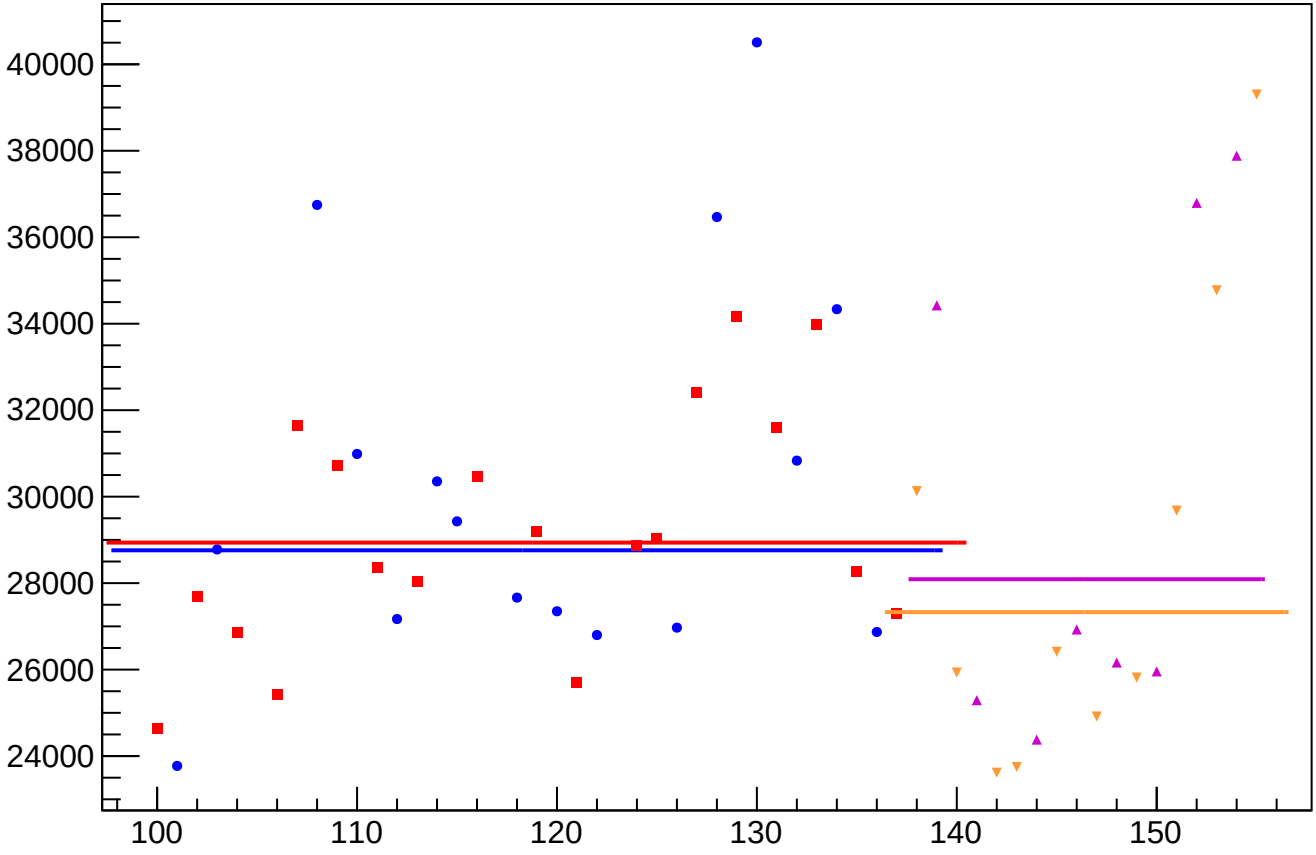
Left In: -2.422+/-10.766 χ^2/NDF:3.7/7

+ sign 2.463+/-7.313 χ^2/NDF: 26.5/25

All: 1.628+/-5.259 χ^2/NDF: 47.8/52

- sign 0.734+/-7.566 χ^2/NDF: 21.2/26

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27329.112+/-7.008 χ^2/NDF:338141.8/9

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

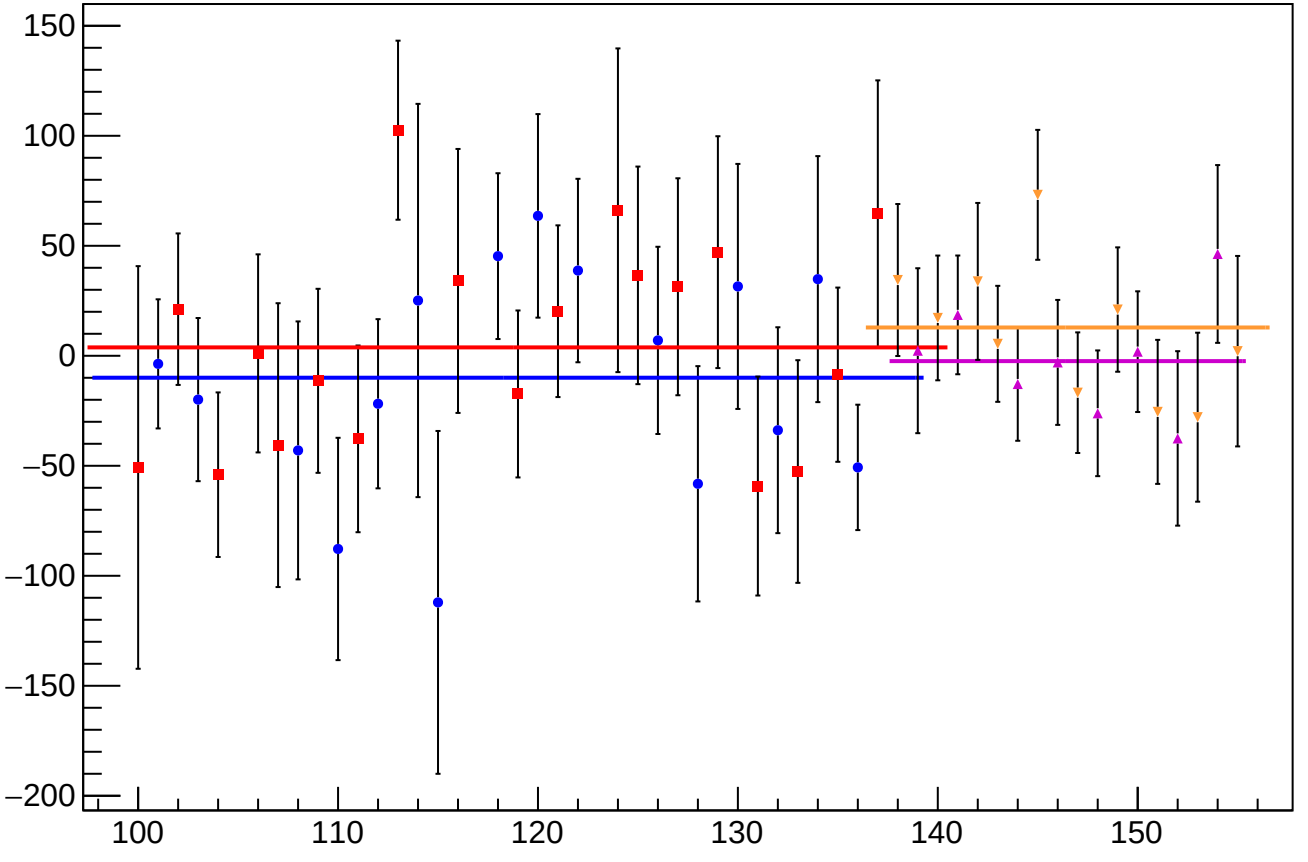
Left In: 28090.544+/-7.613 χ^2/NDF:358363.2/7

+ sign 27980.450+/-5.171 χ^2/NDF: 634745.9/25

All: 28240.678+/-3.718 χ^2/NDF: 1110883.7/5

- sign 28519.225+/-5.350 χ^2/NDF: 470895.1/26

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 12.862+/-9.911 χ^2/NDF:8.8/9

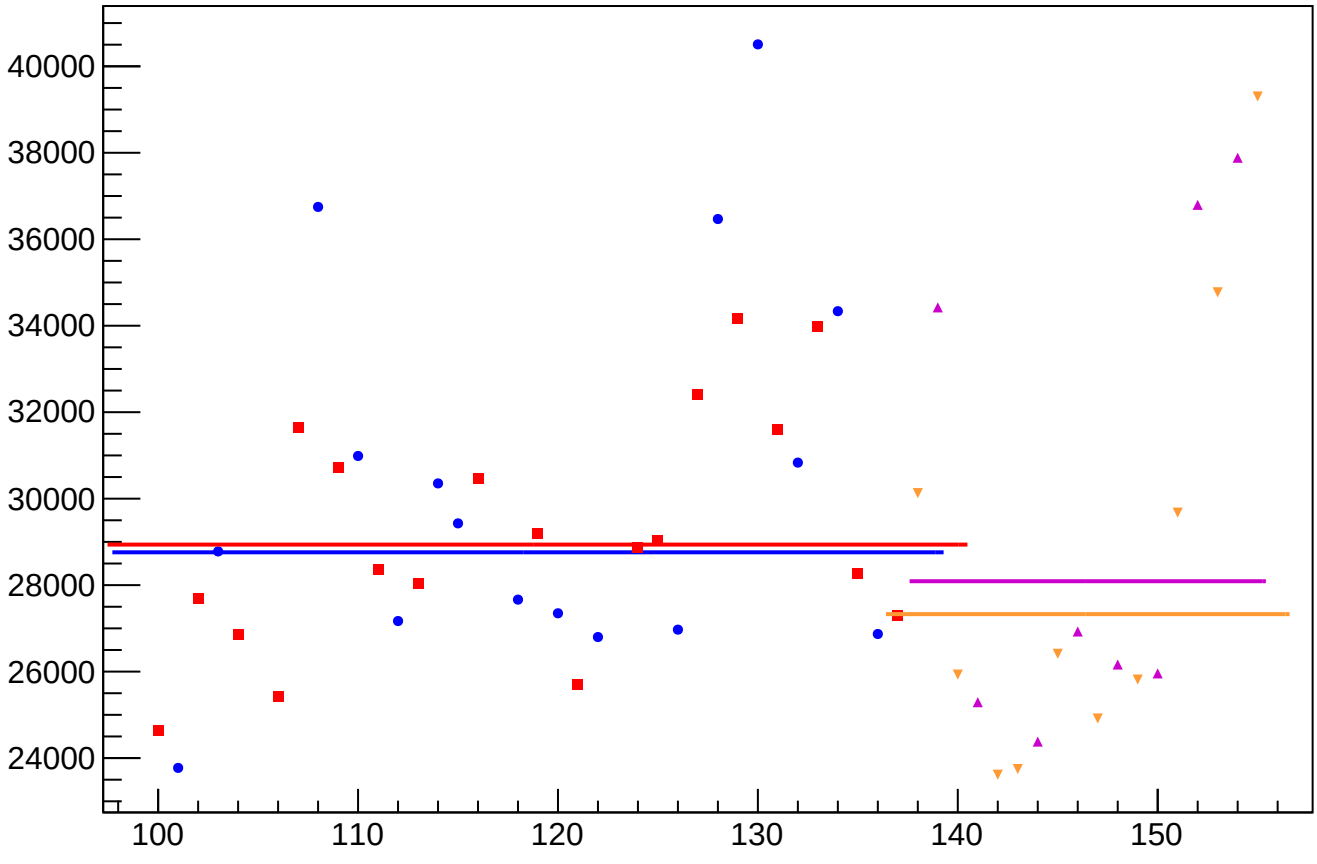
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -2.422+/-10.766 χ^2/NDF:3.7/7

+ sign 2.463+/-7.313 χ^2/NDF: 26.5/25

All: 1.628+/-5.259 χ^2/NDF: 47.8/52

- sign 0.734+/-7.566 χ^2/NDF: 21.2/26



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27329.112+/-7.008 χ^2/NDF:338141.8/9

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

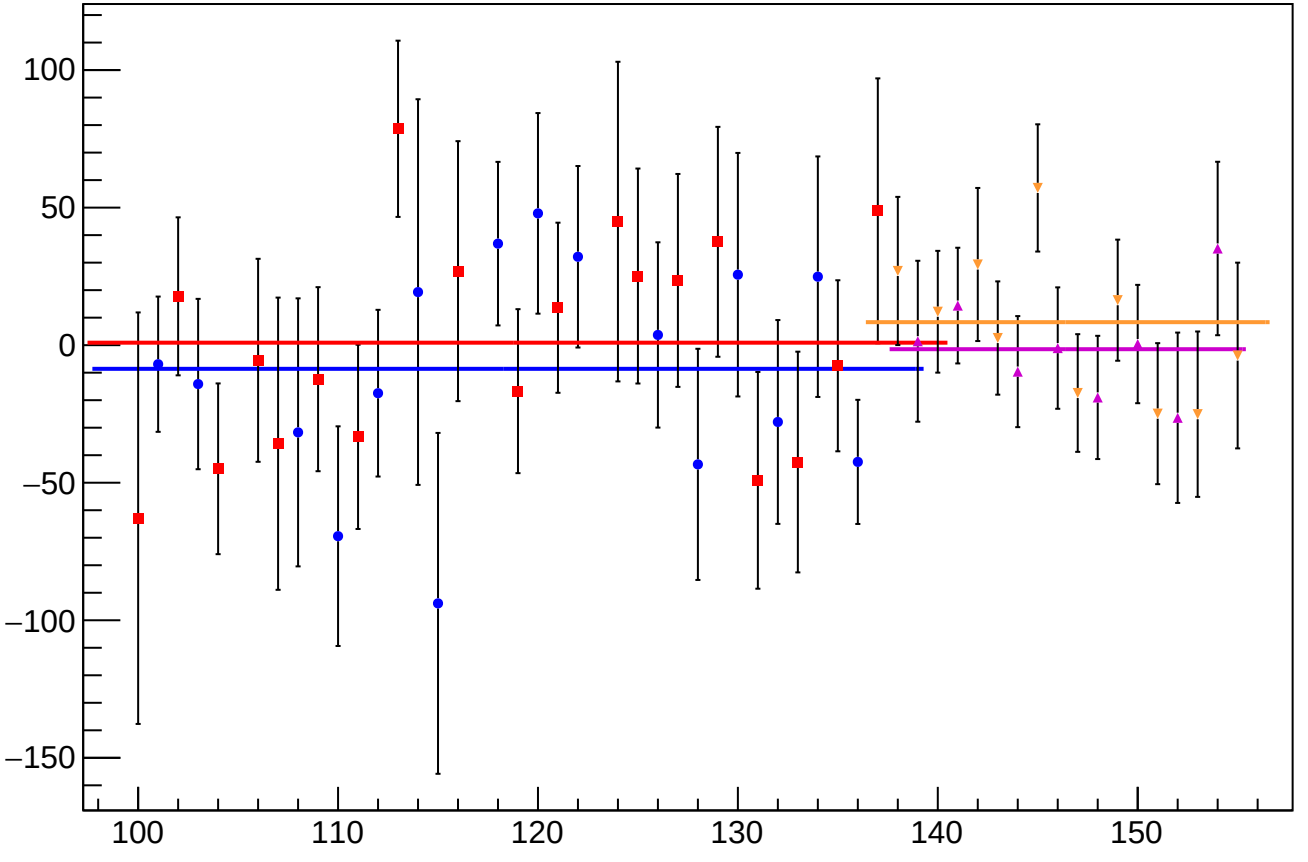
Left In: 28090.544+/-7.613 χ^2/NDF:358363.2/7

+ sign 27980.450+/-5.171 χ^2/NDF: 634745.9/25

All: 28240.678+/-3.718 χ^2/NDF: 1110883.7/5

- sign 28519.225+/-5.350 χ^2/NDF: 470895.1/26

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 8.361+/-7.739 χ^2/NDF:10.2/9

Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

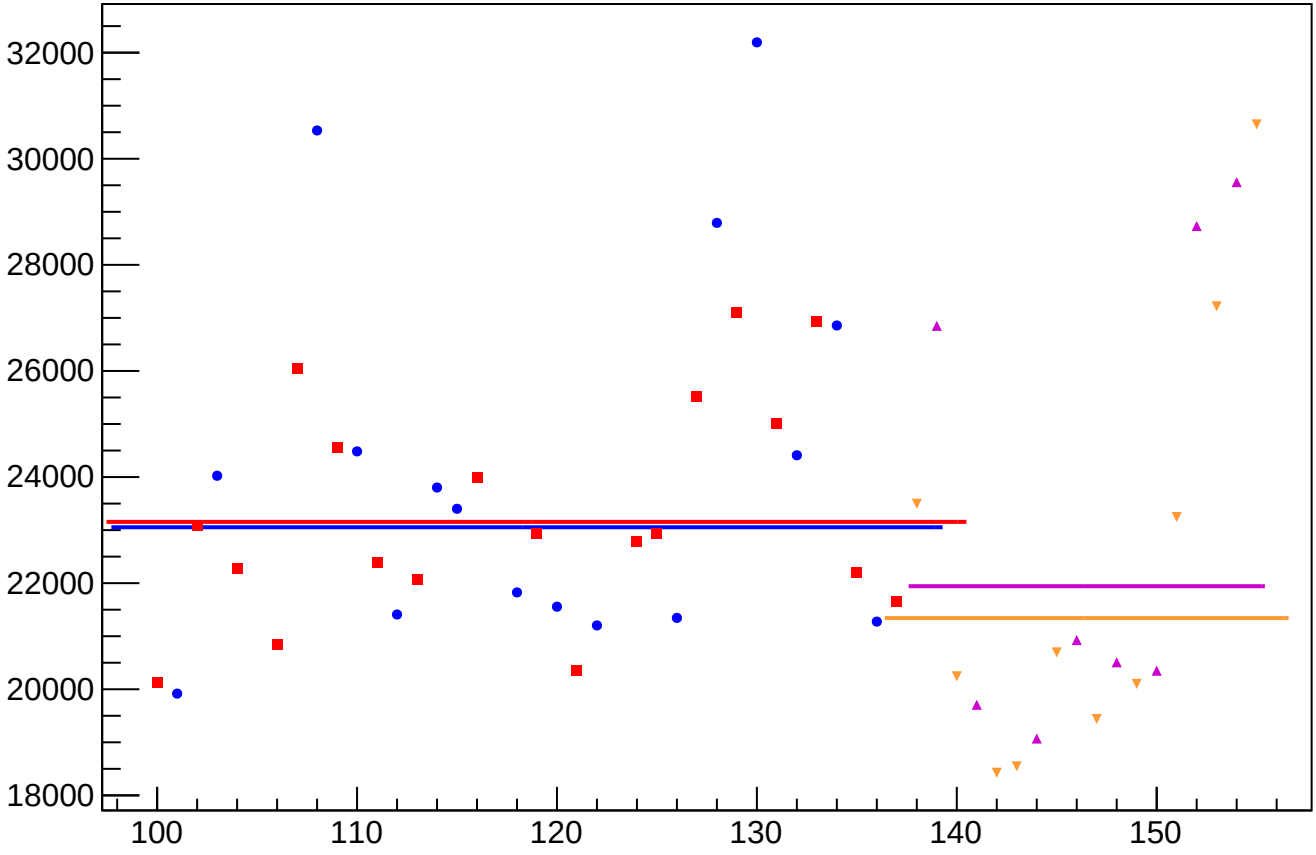
Left In: -1.464+/-8.409 χ^2/NDF:3.4/7

+ sign 0.848+/-5.776 χ^2/NDF: 27.9/25

All: 0.297+/-4.155 χ^2/NDF: 48.9/52

- sign -0.294+/-5.980 χ^2/NDF: 21.0/26

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 21342.068+/-5.472 χ^2/NDF:339703.9/9

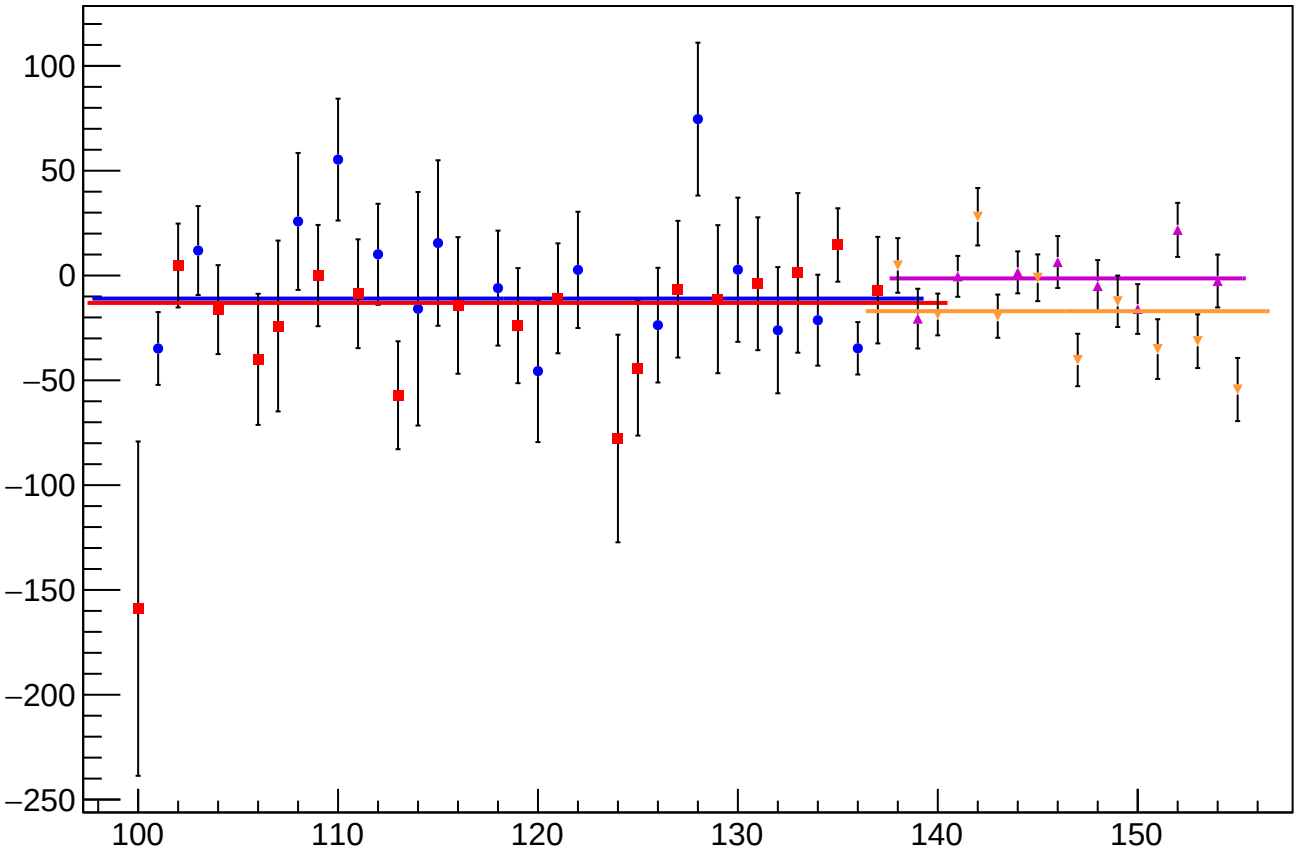
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 21942.596+/-5.946 χ^2/NDF:355637.3/7

+ sign 22100.362+/-4.084 χ^2/NDF: 644495.3/25

All: 22313.511+/-2.938 χ^2/NDF: 1120227.7/5

- sign 22541.984+/-4.229 χ^2/NDF: 470089.4/26



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -17.009+/-3.857 χ^2/NDF:28.4/9

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

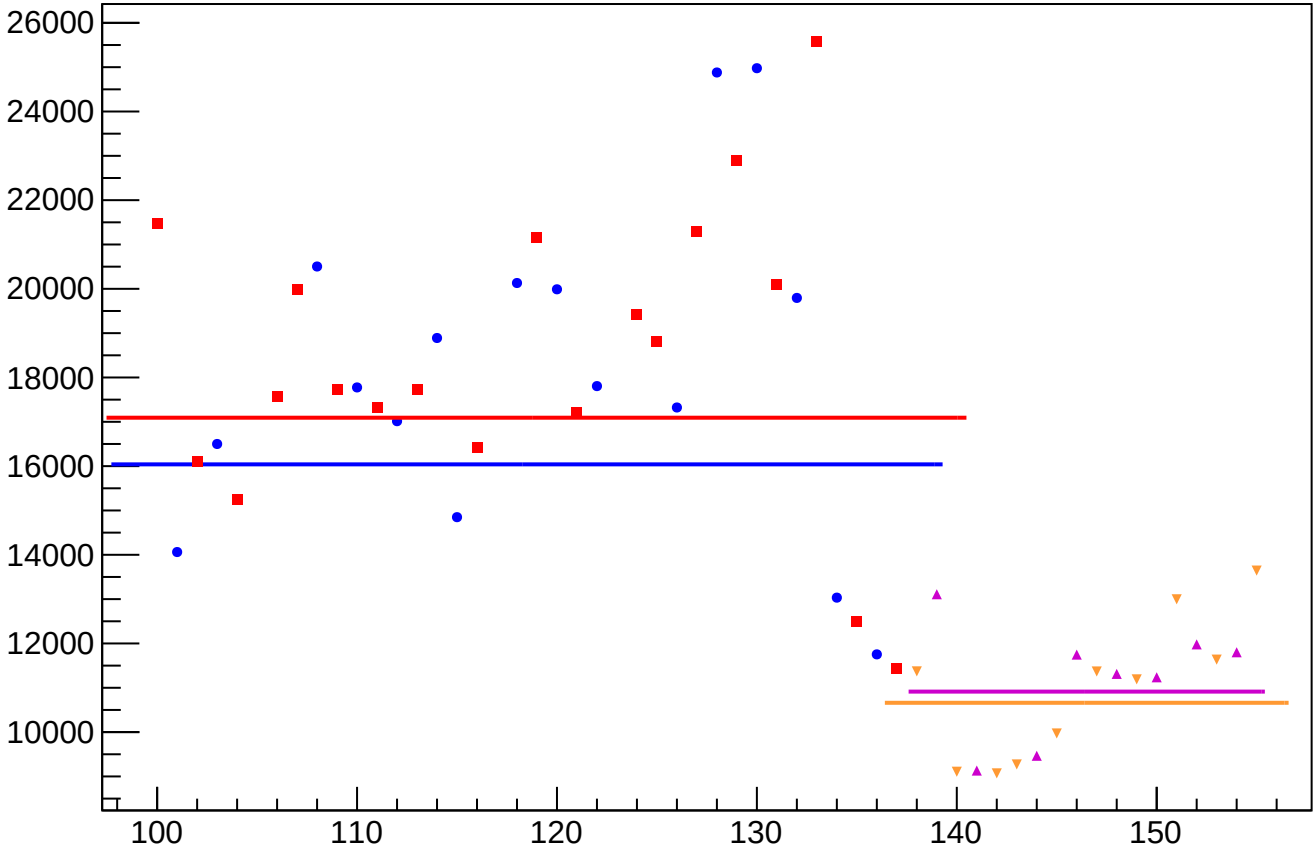
Left In: -1.380+/-4.158 χ^2/NDF:7.1/7

+ sign -15.315+/-3.268 χ^2/NDF: 51.1/25

All: -10.423+/-2.384 χ^2/NDF: 79.2/52

- sign -4.864+/-3.484 χ^2/NDF: 23.3/26

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10661.441+/-2.727 χ^2/NDF:279458.4/9

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

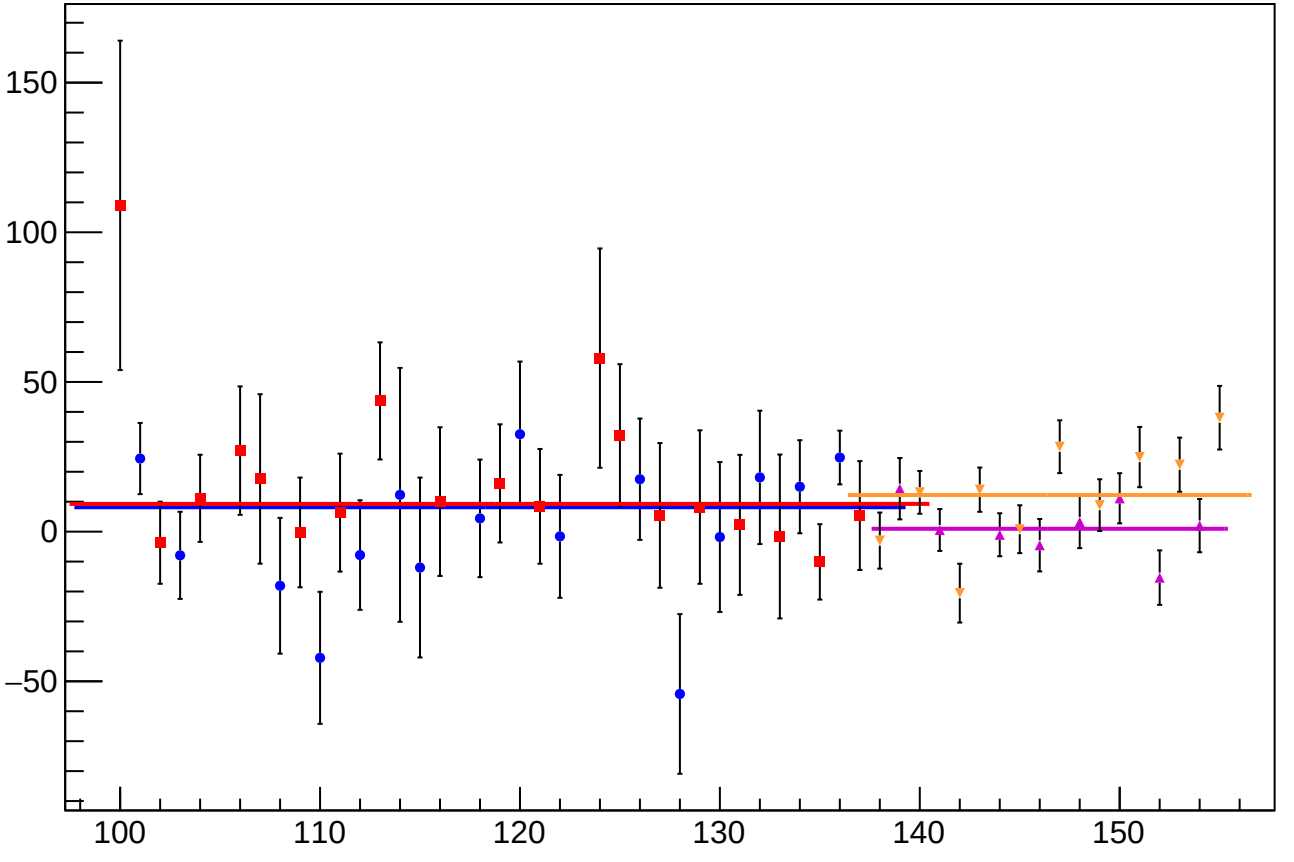
Left In: 10913.670+/-2.940 χ^2/NDF:192130.5/7

+ sign 12178.069+/-2.311 χ^2/NDF: 2098789.6/25

All: 12448.185+/-1.685 χ^2/NDF: 4171673.1/5

- sign 12755.117+/-2.464 χ^2/NDF: 2043699.7/26

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 12.225+/-2.748 χ^2/NDF:28.1/9

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

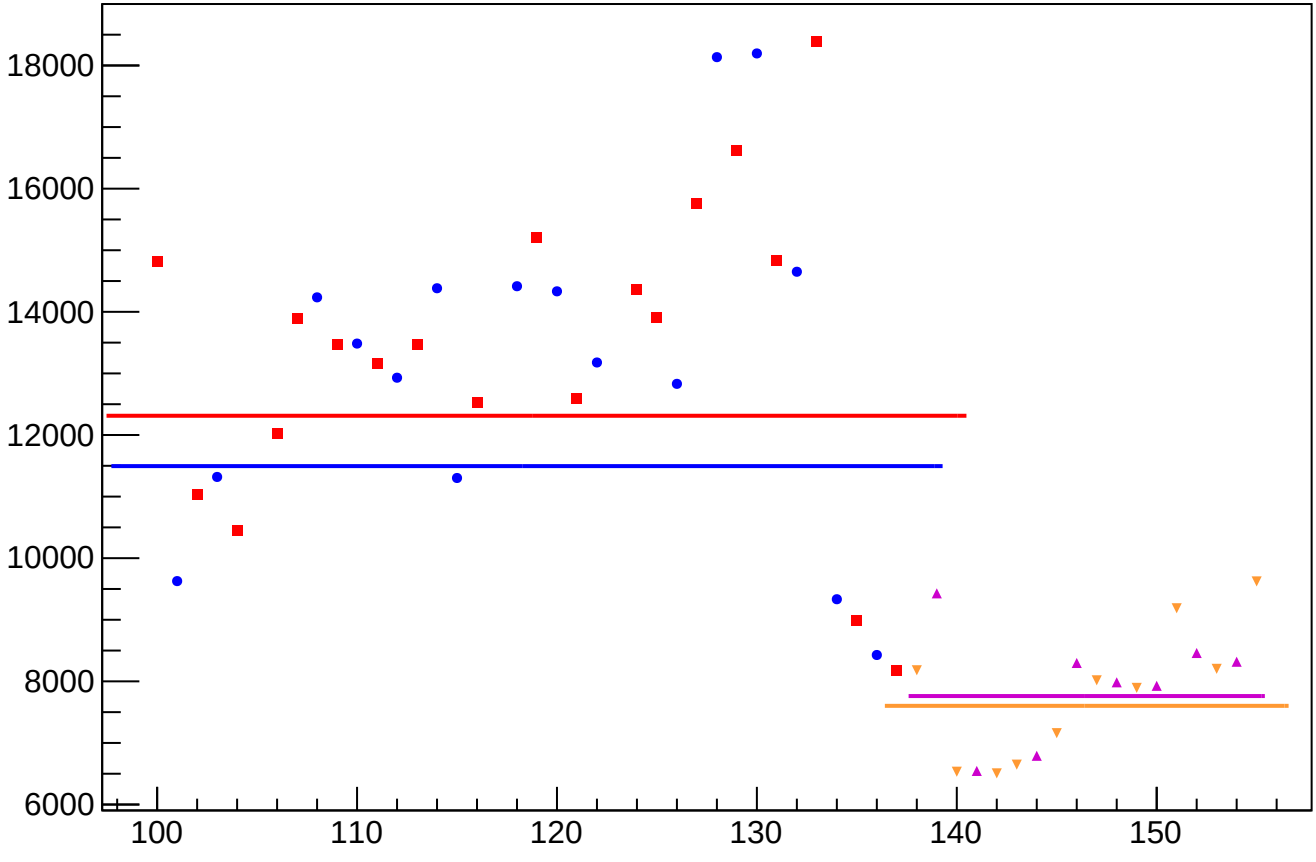
Left In: 0.959+/-2.956 χ^2/NDF:6.9/7

+ sign 11.090+/-2.334 χ^2/NDF: 50.5/25

All: 7.482+/-1.702 χ^2/NDF: 78.7/52

- sign 3.382+/-2.488 χ^2/NDF: 23.1/26

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7602.400+/-1.943 χ^2/NDF:254100.9/9

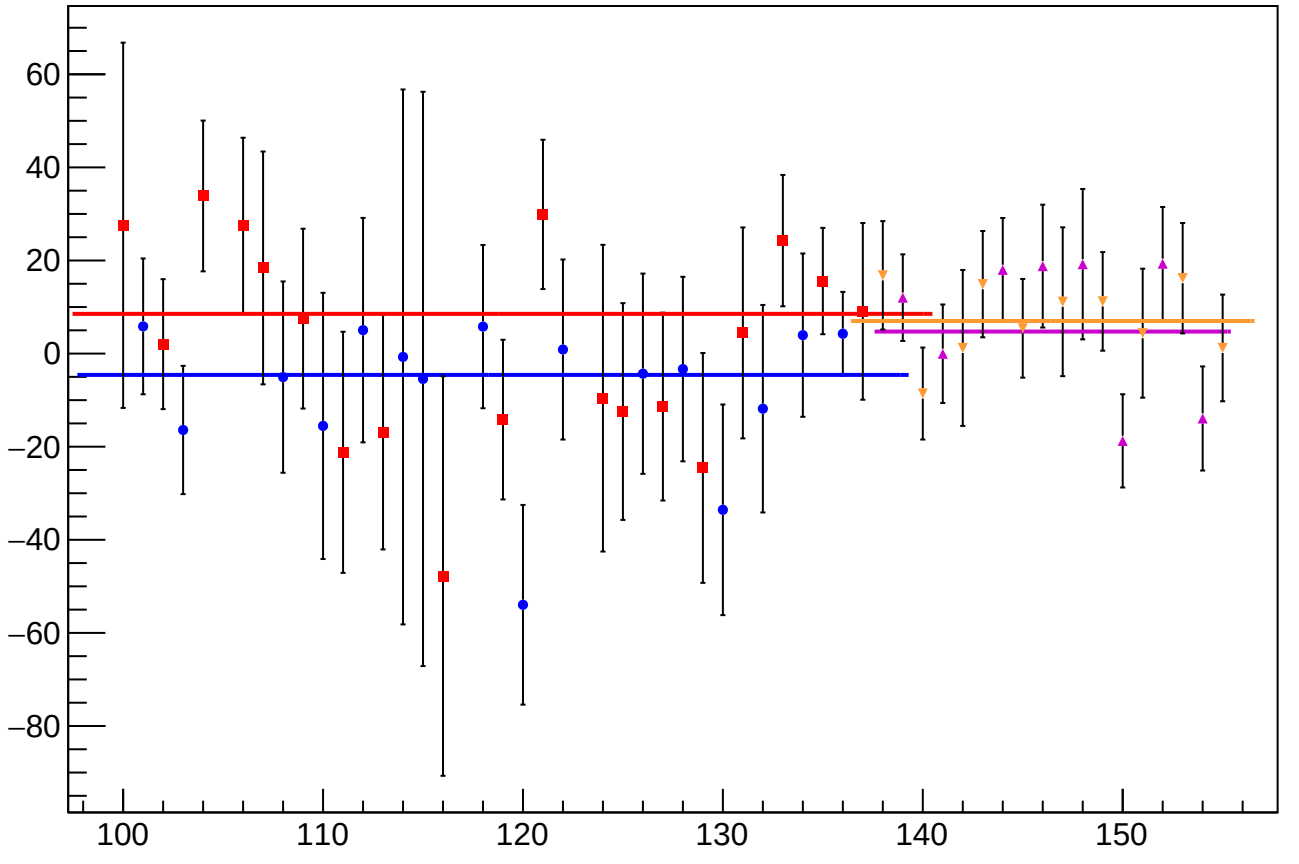
Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7761.412+/-2.090 χ^2/NDF:179084.6/7

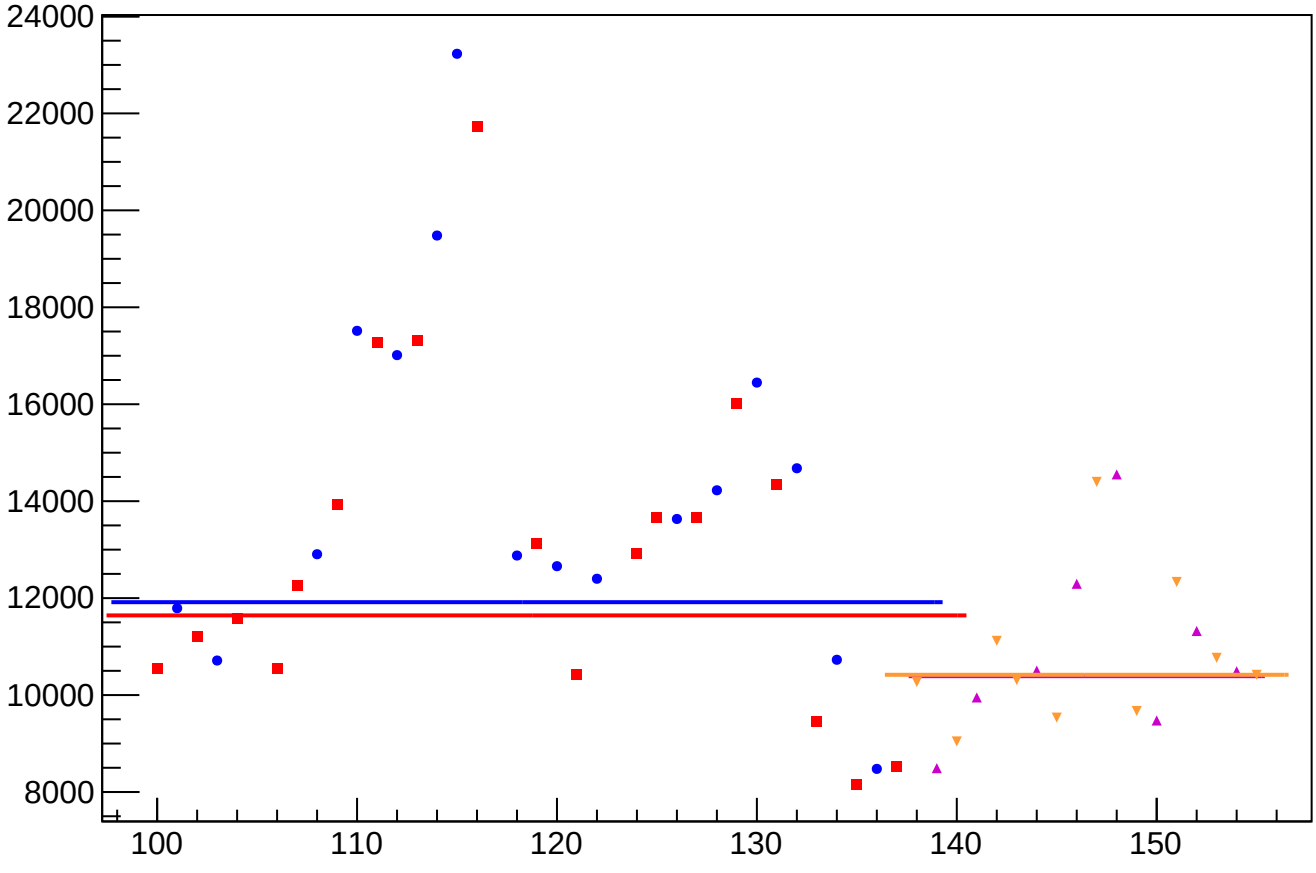
+ sign 8686.493+/-1.650 χ^2/NDF: 2161820.5/25

All: 8874.682+/-1.204 χ^2/NDF: 4349989.4/52

- sign 9088.483+/-1.759 χ^2/NDF: 2160396.7/26


diff_bpm4aesumY_mean vs Slug
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 7.006+/-3.766 χ²/NDF:4.9/9
Right Out: 8.537+/-4.392 χ²/NDF: 17.2/18
Left In: 4.732+/-3.989 χ²/NDF:13.9/7
+ sign 2.301+/-2.902 χ²/NDF: 19.0/25
All: 4.341+/-2.070 χ²/NDF: 51.5/52
- sign 6.452+/-2.953 χ²/NDF: 31.5/26

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10418.471+/-2.663 χ^2/NDF:230548.1/9

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

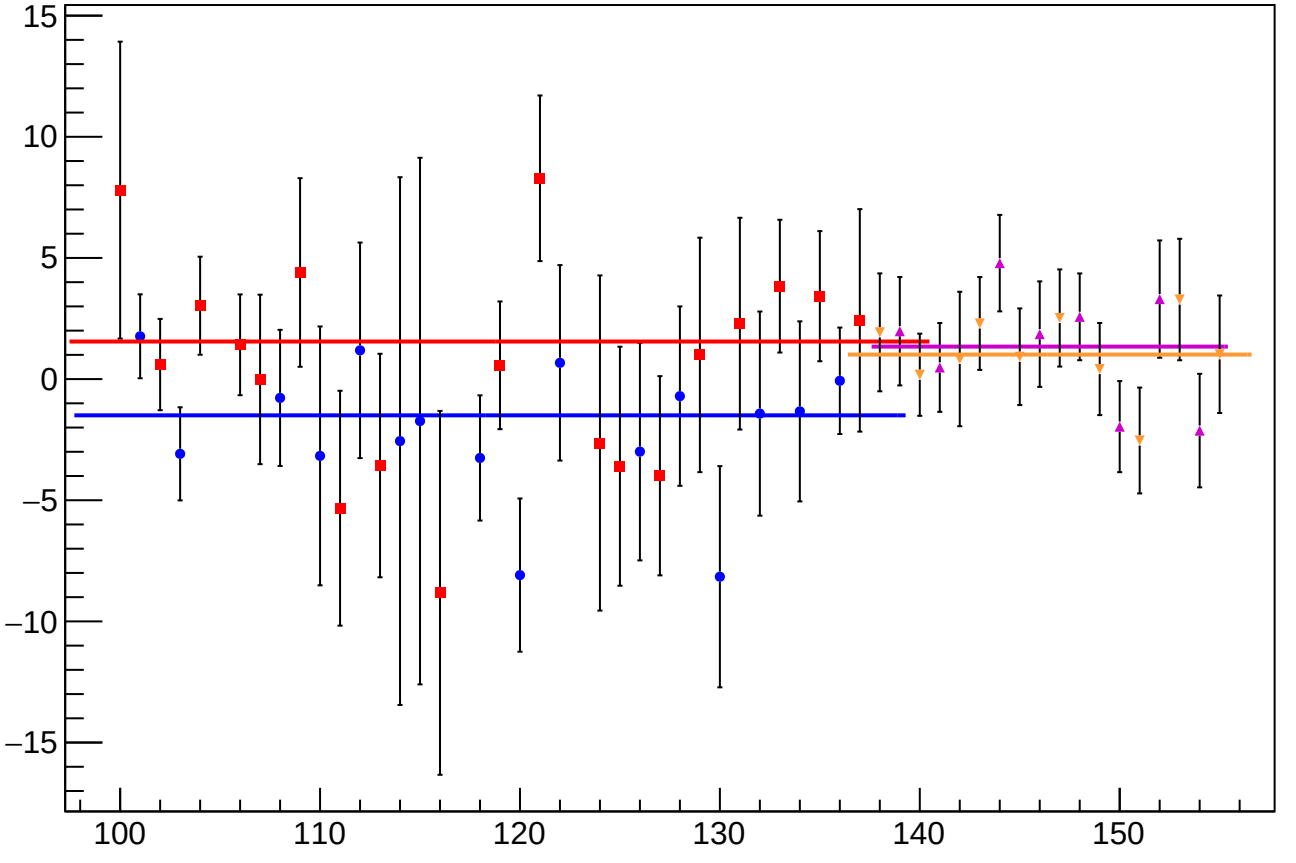
Left In: 10389.512+/-2.821 χ^2/NDF:290058.7/7

+ sign 11026.844+/-2.052 χ^2/NDF: 1108811.4/25

All: 10992.201+/-1.464 χ^2/NDF: 2279164.7/5

- sign 10956.339+/-2.088 χ^2/NDF: 1169773.3/26

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.012+/-0.669 χ^2/NDF:5.0/9

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

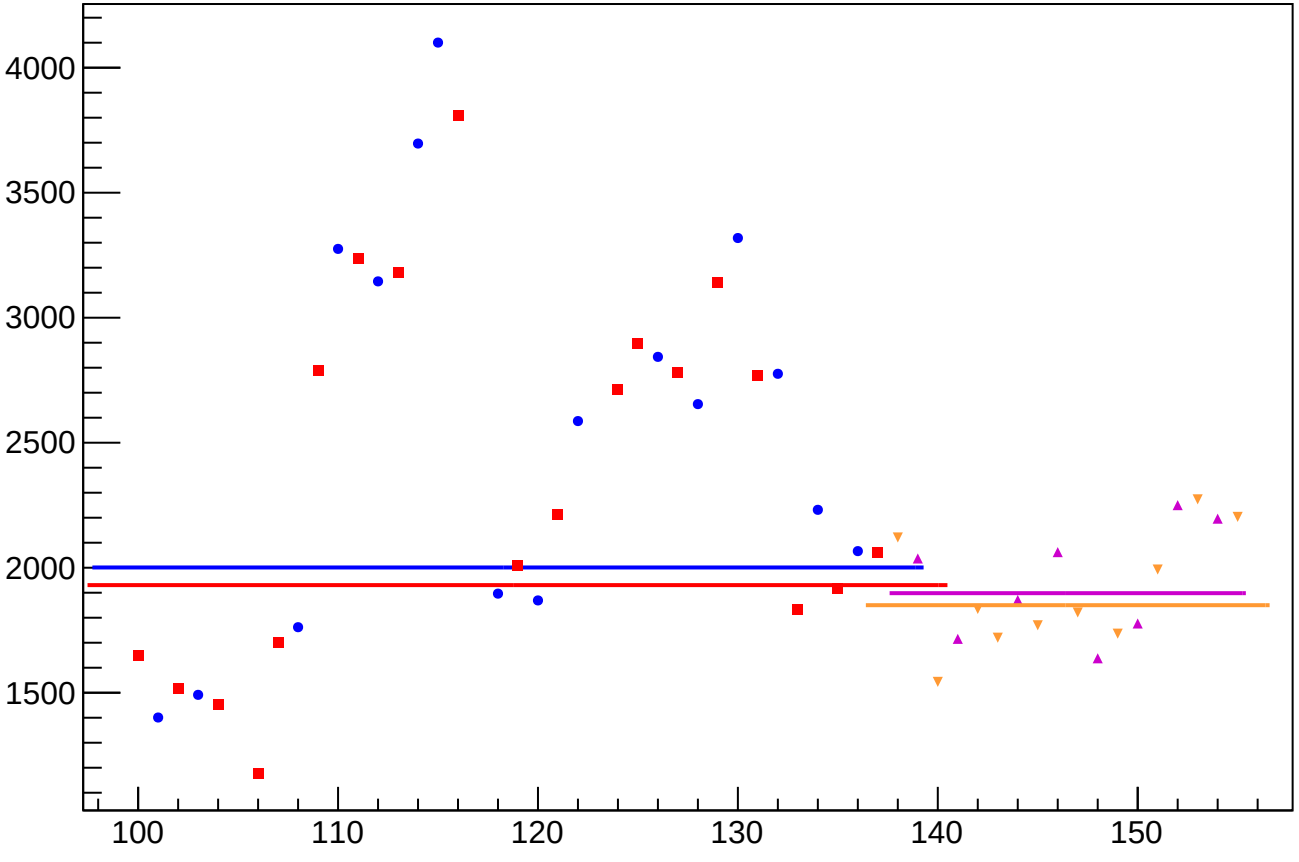
Left In: 1.341+/-0.724 χ^2/NDF:9.8/7

+ sign -0.054+/-0.507 χ^2/NDF: 23.5/25

All: 0.677+/-0.363 χ^2/NDF: 53.8/52

- sign 1.443+/-0.519 χ^2/NDF: 26.1/26

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1850.117+/-0.473 χ^2/NDF:218330.6/9

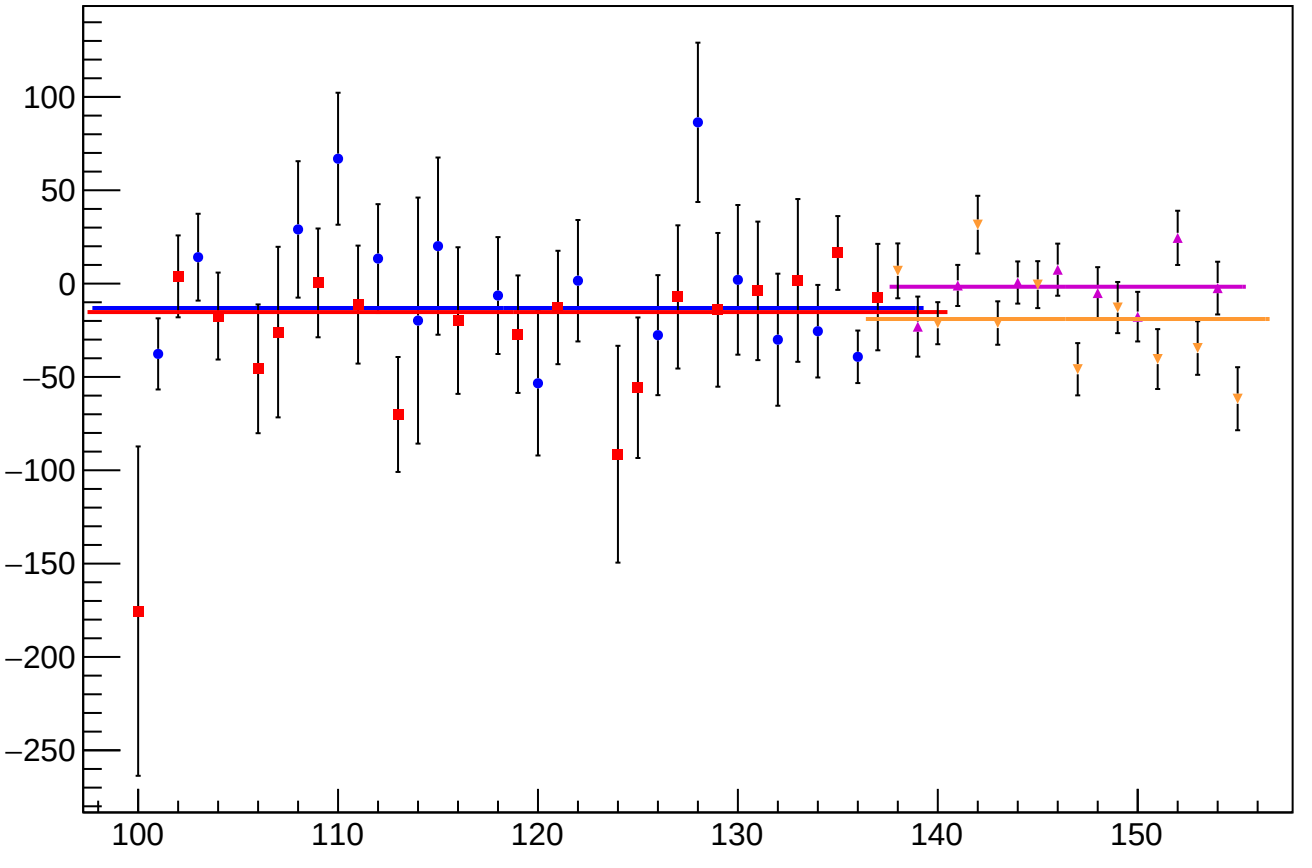
Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1898.205+/-0.512 χ^2/NDF:164610.5/7

+ sign 1914.229+/-0.359 χ^2/NDF: 1451347.9/25

All: 1914.051+/-0.257 χ^2/NDF: 3021438.2/52

- sign 1913.866+/-0.367 χ^2/NDF: 1570089.8/26



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -18.962+/-4.340 χ^2/NDF:29.2/9

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

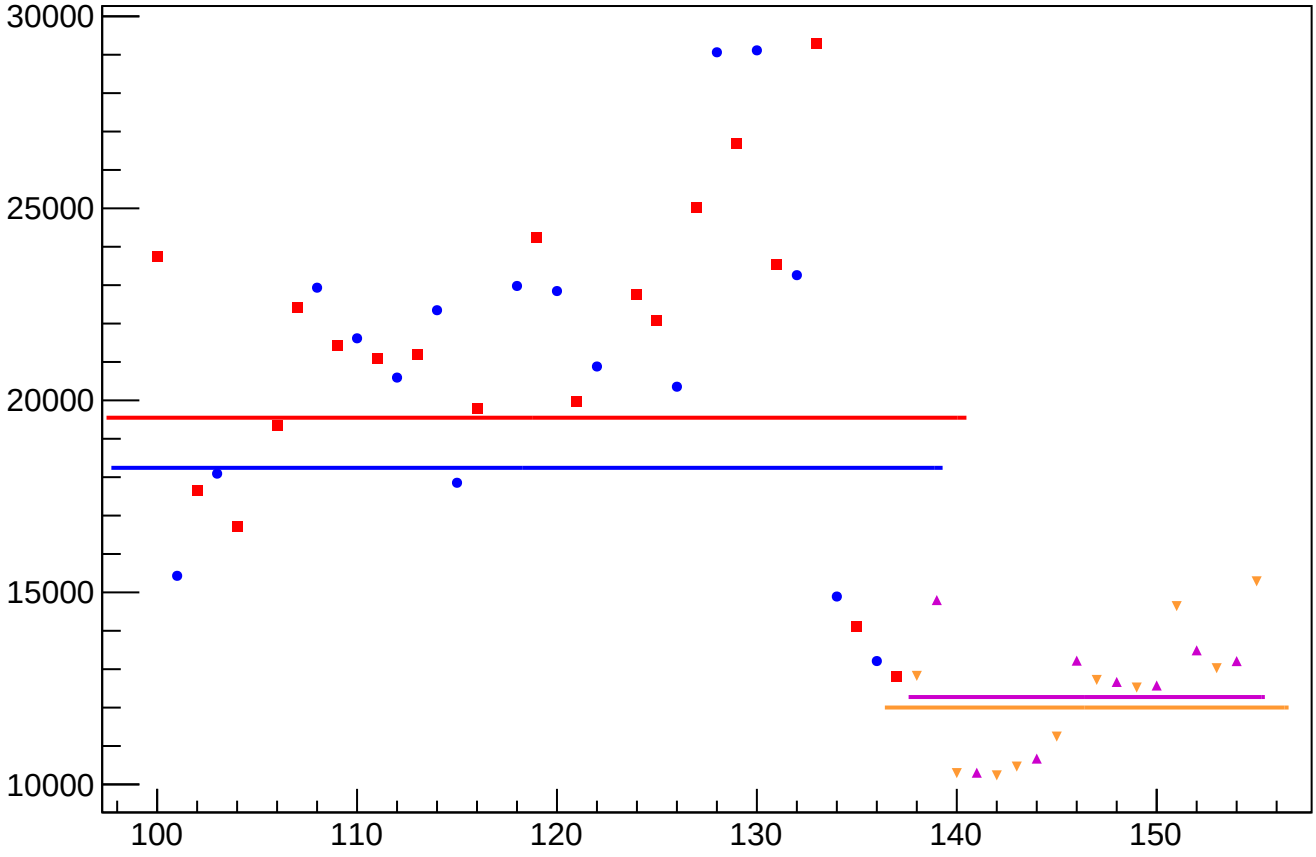
Left In: -1.679+/-4.677 χ^2/NDF:7.0/7

+ sign -17.334+/-3.693 χ^2/NDF: 51.6/25

All: -11.854+/-2.695 χ^2/NDF: 80.1/52

- sign -5.613+/-3.941 χ^2/NDF: 23.8/26

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 12002.029+/-3.069 χ^2/NDF:268772.2/9

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

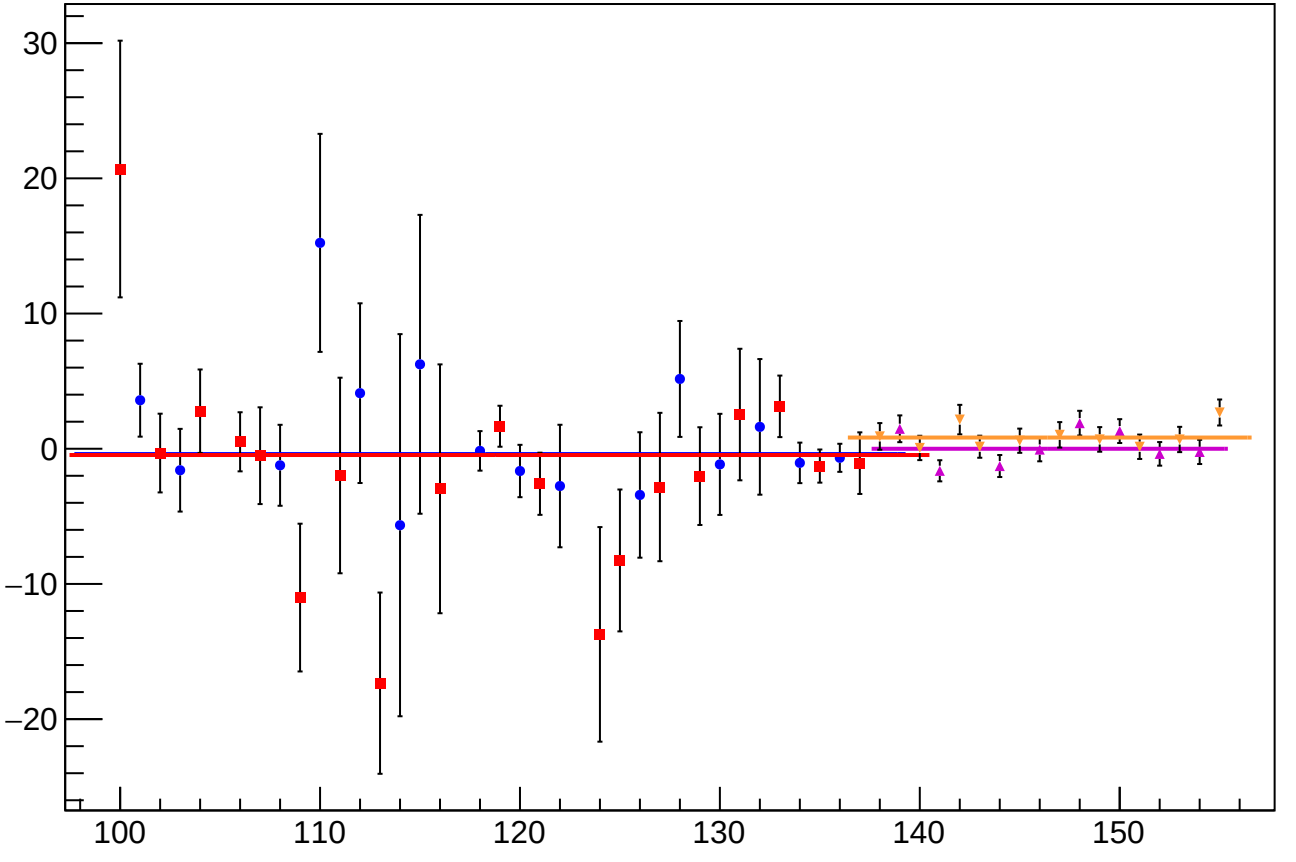
Left In: 12275.263+/-3.307 χ^2/NDF:188269.1/7

+ sign 13725.860+/-2.611 χ^2/NDF: 2230791.7/25

All: 14033.148+/-1.905 χ^2/NDF: 4472385.7/5

- sign 14383.168+/-2.787 χ^2/NDF: 2211968.8/26

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.828+/-0.293 χ^2/NDF:7.4/9

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

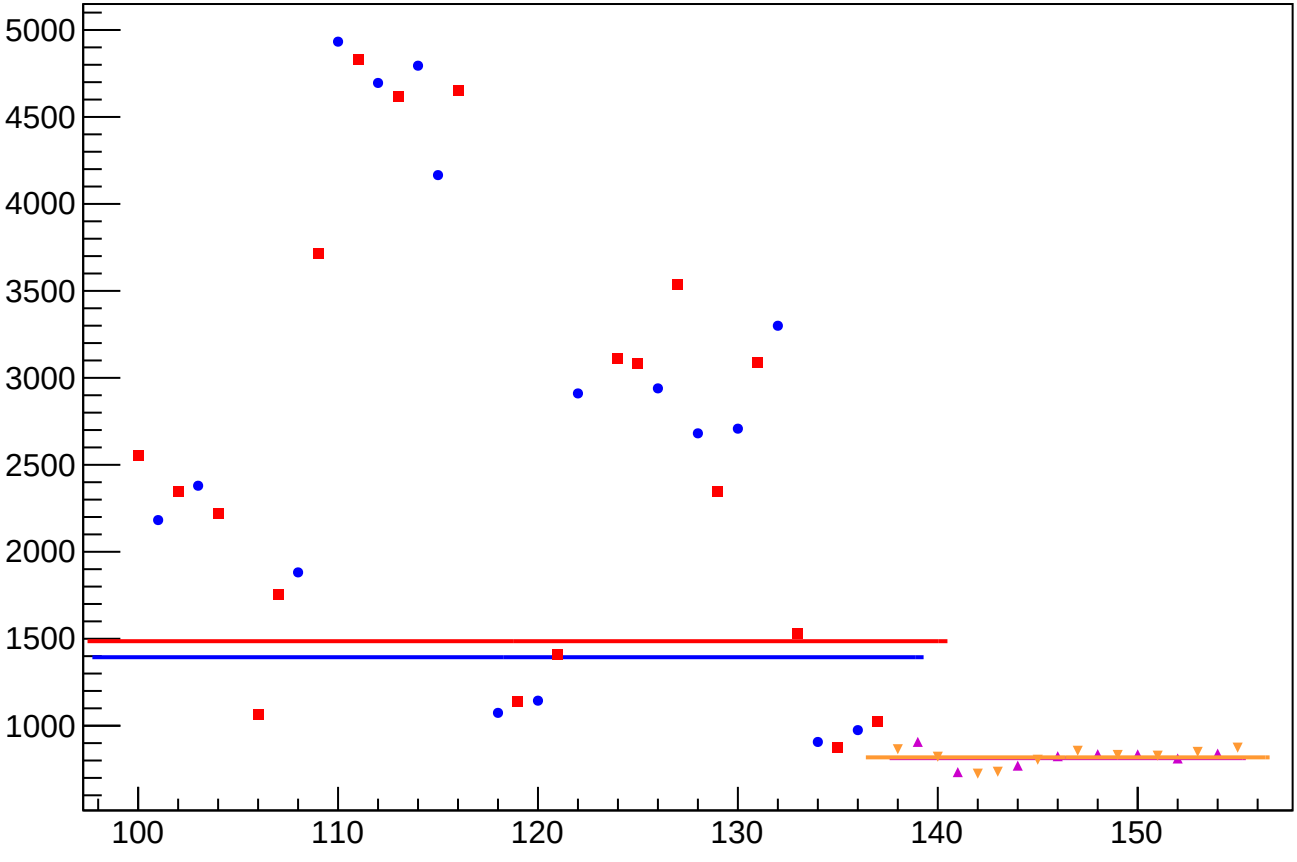
Left In: -0.002+/-0.308 χ^2/NDF:15.8/7

+ sign 0.593+/-0.263 χ^2/NDF: 21.1/25

All: 0.269+/-0.191 χ^2/NDF: 68.6/52

- sign -0.090+/-0.277 χ^2/NDF: 44.3/26

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 818.113+/-0.207 χ^2/NDF:53185.4/9

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

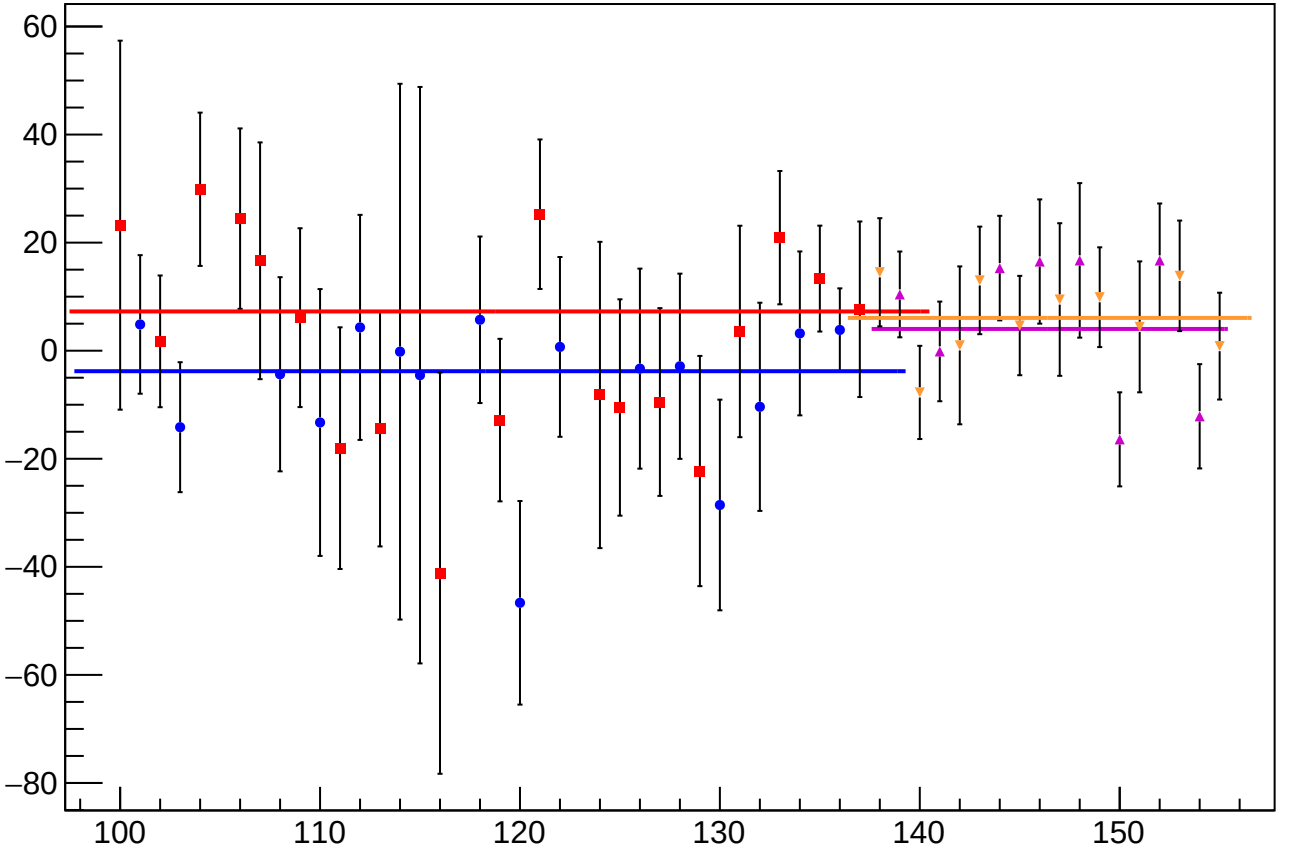
Left In: 813.605+/-0.218 χ^2/NDF:49156.4/7

+ sign 928.995+/-0.186 χ^2/NDF: 4920748.0/25

All: 935.197+/-0.135 χ^2/NDF: 10191408.0/52

- sign 942.063+/-0.196 χ^2/NDF: 5268322.8/26

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.070+/-3.272 χ^2/NDF:5.0/9

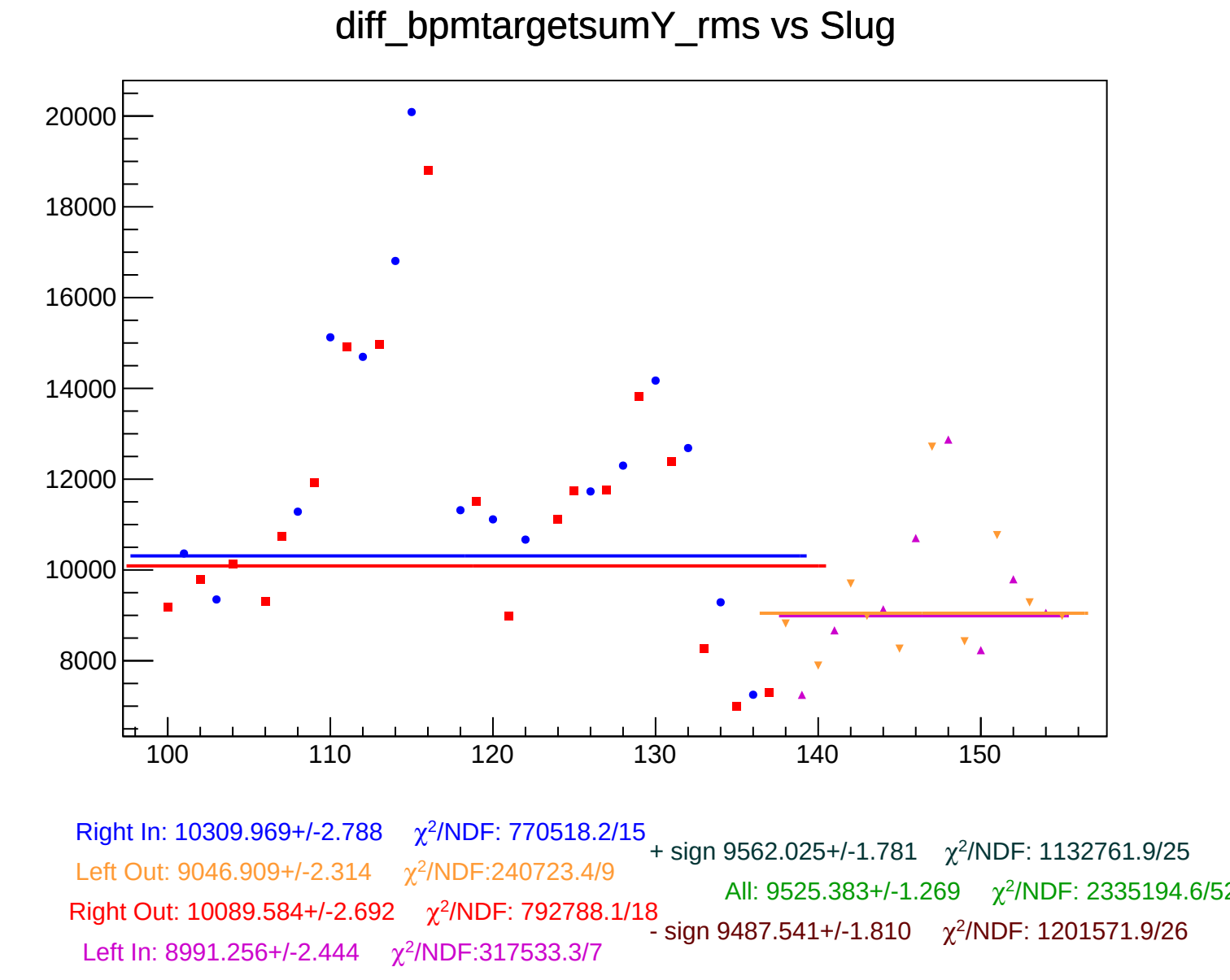
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 4.027+/-3.456 χ^2/NDF:13.9/7

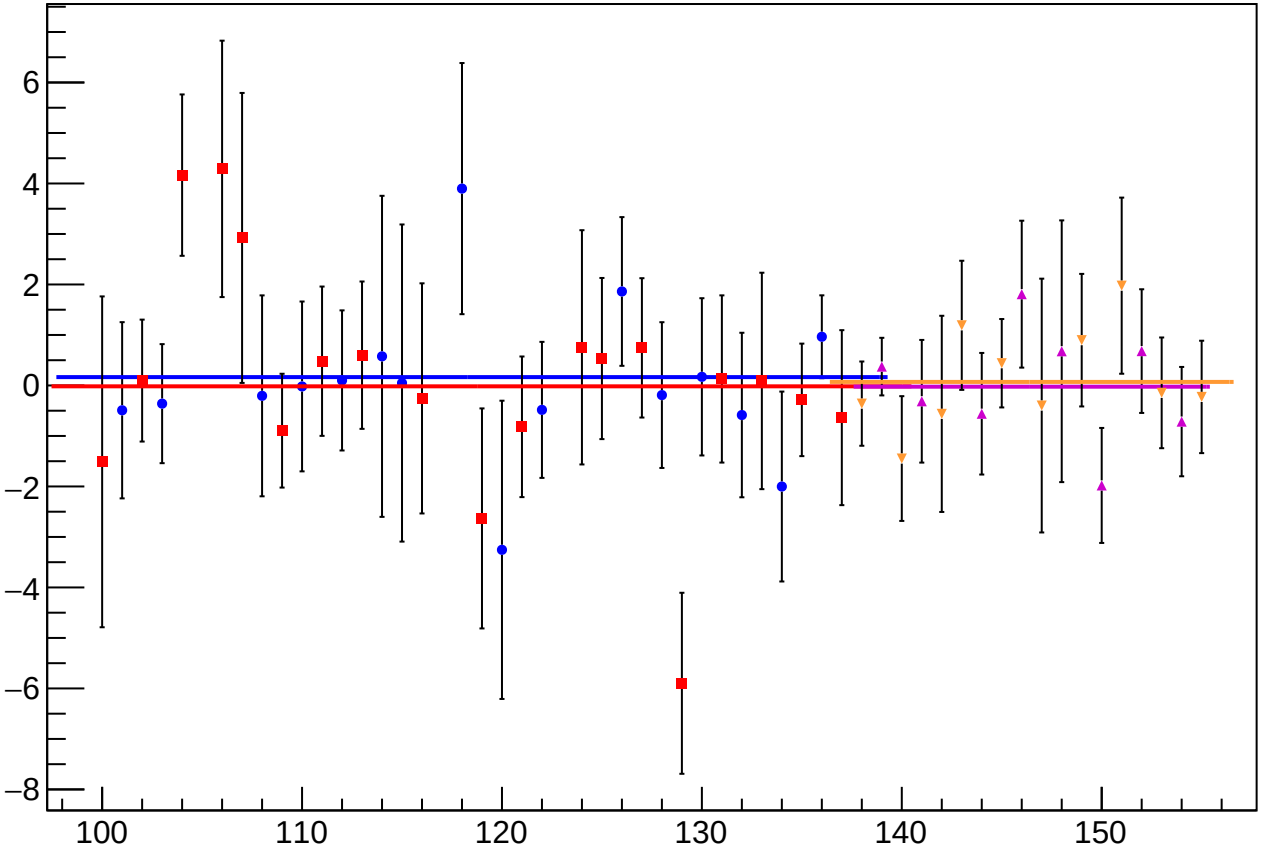
+ sign 2.047+/-2.518 χ^2/NDF: 18.8/25

All: 3.741+/-1.795 χ^2/NDF: 51.3/52

- sign 5.489+/-2.559 χ^2/NDF: 31.6/26


diff_bpmtargetsumY_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9046.909+/-2.314 χ²/NDF:240723.4/9
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 8991.256+/-2.444 χ²/NDF:317533.3/7
+ sign 9562.025+/-1.781 χ²/NDF: 1132761.9/25
All: 9525.383+/-1.269 χ²/NDF: 2335194.6/52
- sign 9487.541+/-1.810 χ²/NDF: 1201571.9/26

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.070+/-0.378 χ^2/NDF:4.6/9

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

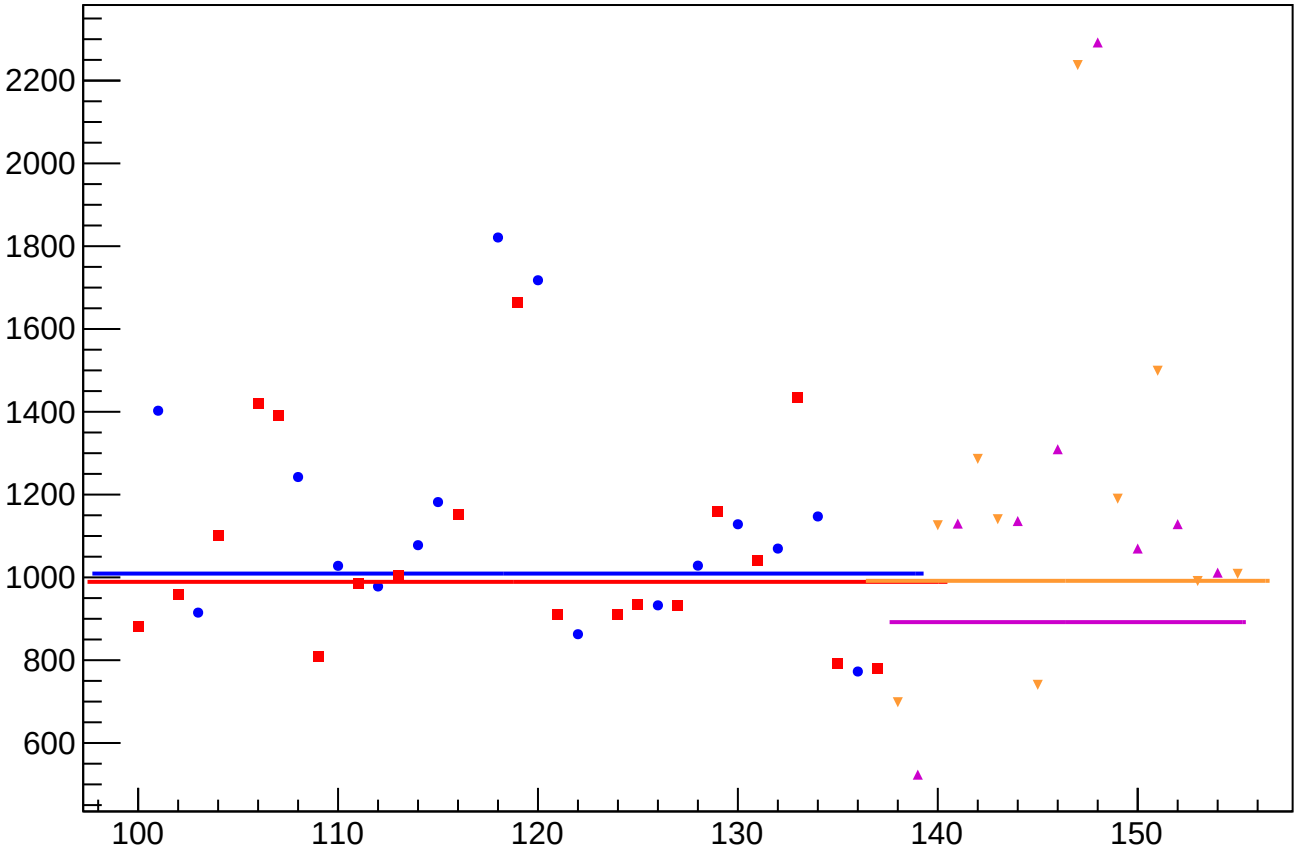
Left In: -0.024+/-0.369 χ^2/NDF:6.1/7

+ sign 0.117+/-0.270 χ^2/NDF: 12.7/25

All: 0.046+/-0.188 χ^2/NDF: 44.1/52

- sign -0.021+/-0.262 χ^2/NDF: 31.3/26

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 991.716+/-0.268 χ^2/NDF:1215569.9/9

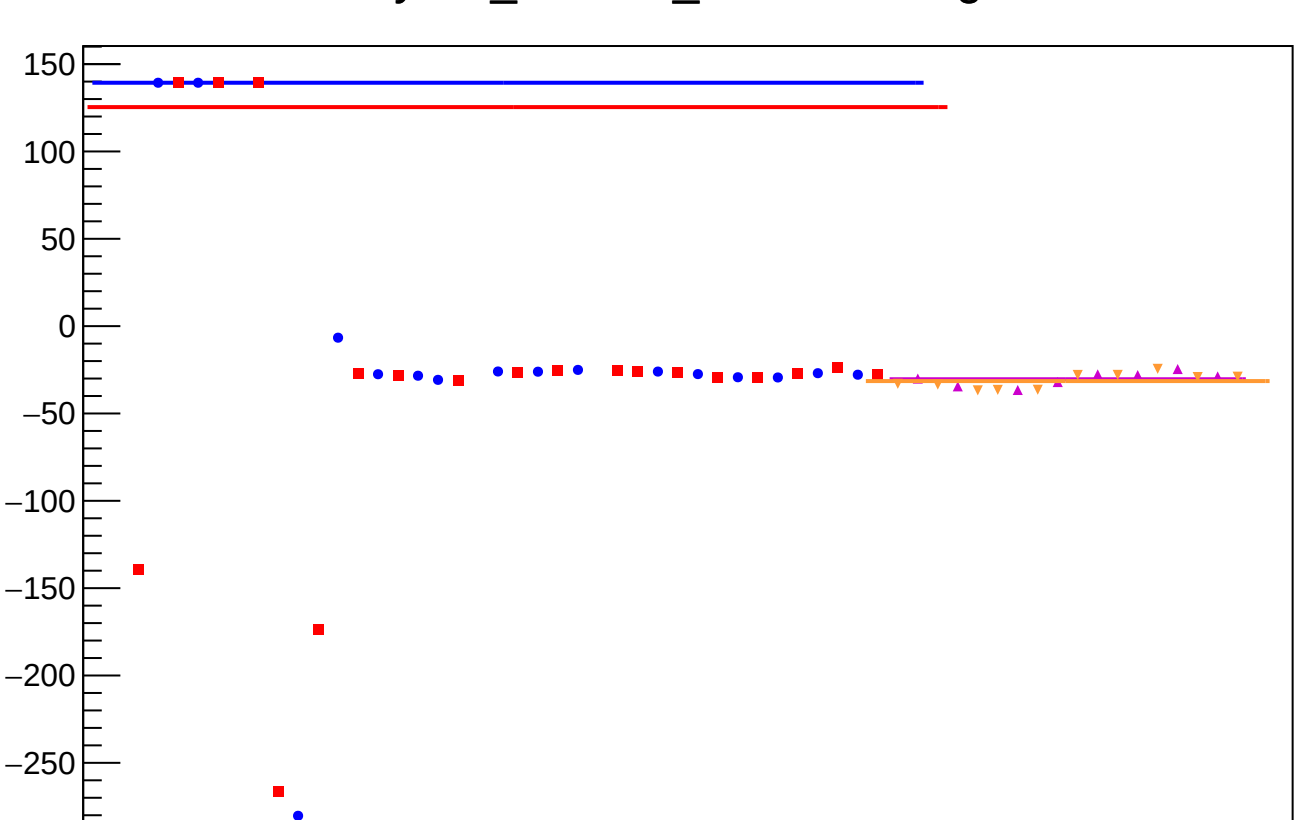
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 891.954+/-0.261 χ^2/NDF:1890156.1/7

+ sign 1000.290+/-0.191 χ^2/NDF: 1916969.2/25

All: 969.268+/-0.133 χ^2/NDF: 4502903.0/52

- sign 940.142+/-0.185 χ^2/NDF: 2534877.1/26



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.453+/-0.001 χ^2/NDF:73775655.3/9

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

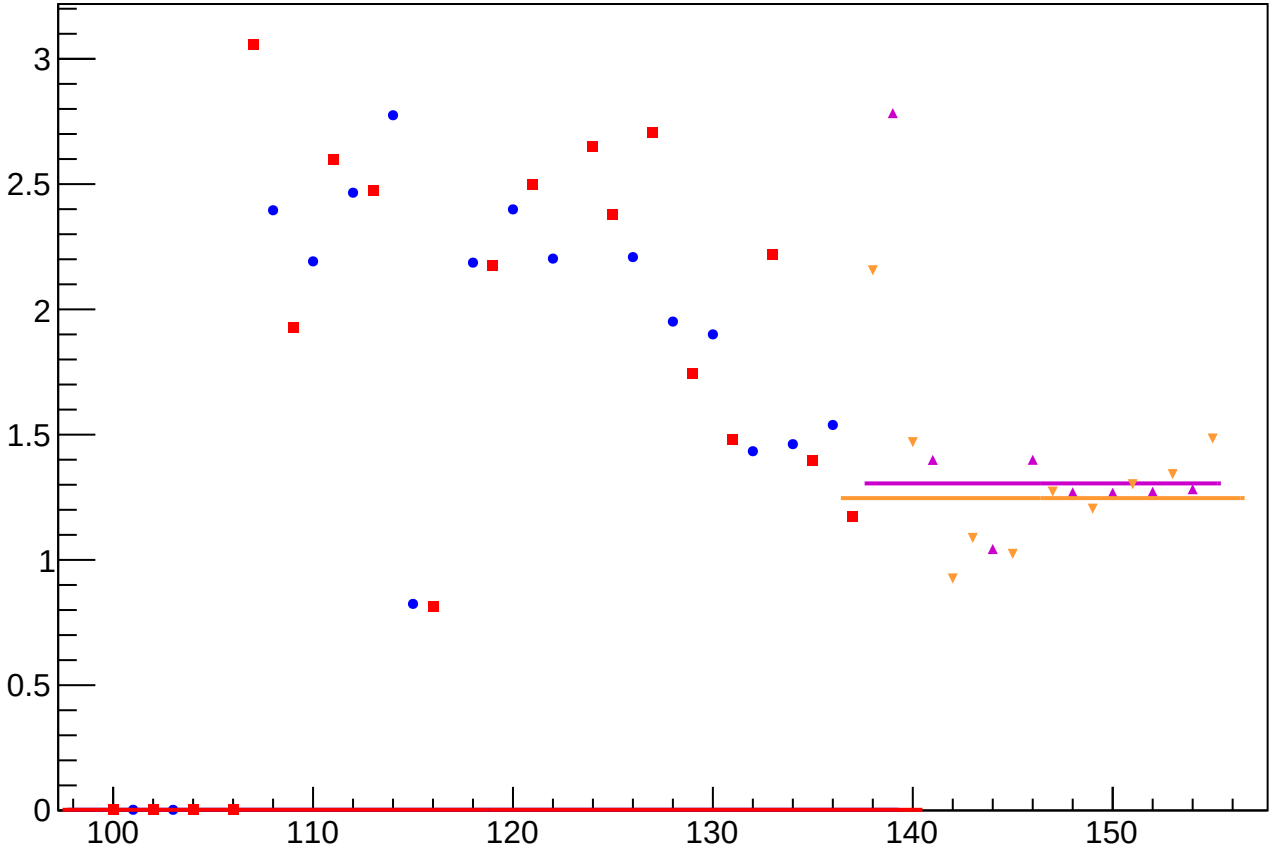
Left In: -30.404+/-0.001 χ^2/NDF:51385364.4/7

+ sign 139.333+/-0.000 χ^2/NDF: 159389730726.5/2

All: 131.815+/-0.000 χ^2/NDF: 79319122555

- sign 125.389+/-0.000 χ^2/NDF: 774250220226532

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.247+/-0.000 χ^2/NDF:459060.6/9

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

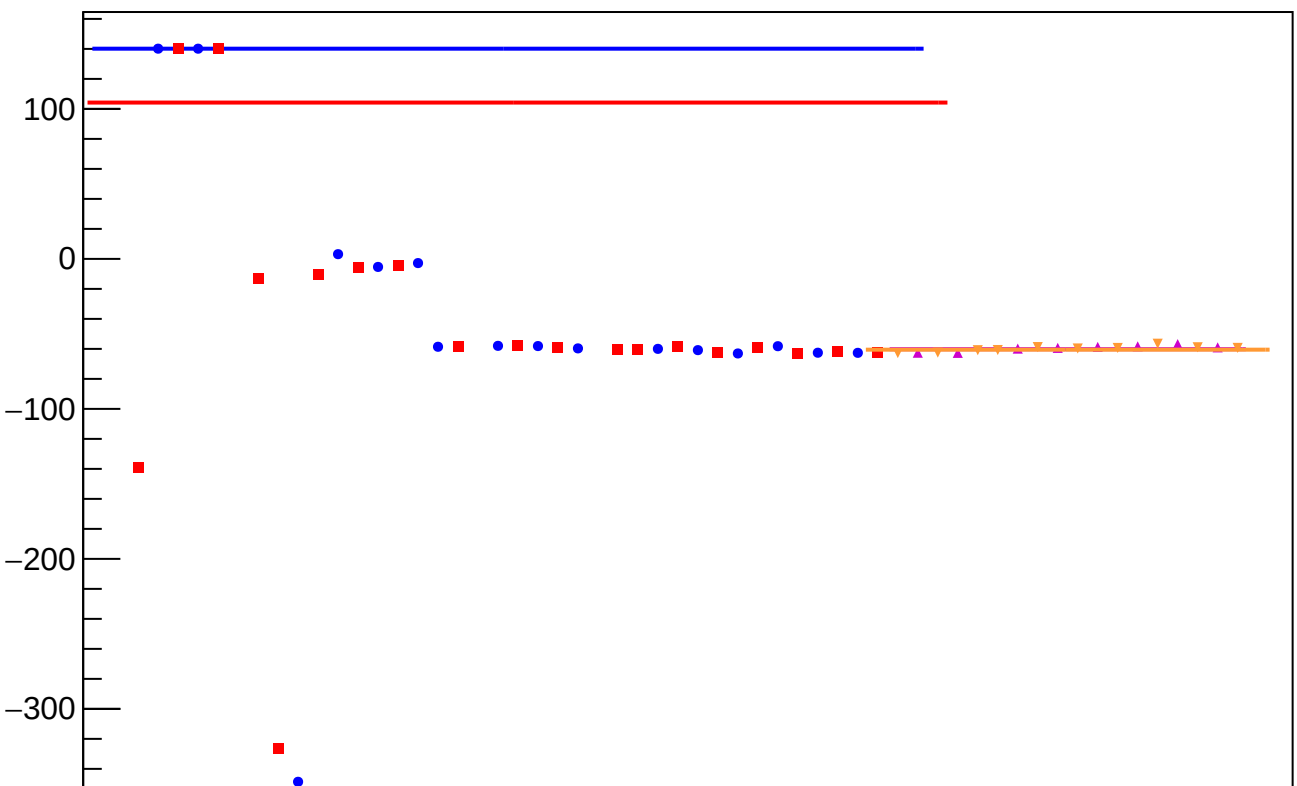
Left In: 1.305+/-0.000 χ^2/NDF:563226.8/7

+ sign 0.003+/-0.000 χ^2/NDF: 21932936.2/25

All: 0.003+/-0.000 χ^2/NDF: 43004906.2/52

- sign 0.003+/-0.000 χ^2/NDF: 21071693.9/26

yield_cav4bY_mean vs Slug



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -60.524+/-0.000 χ^2/NDF:36017107.4/9

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

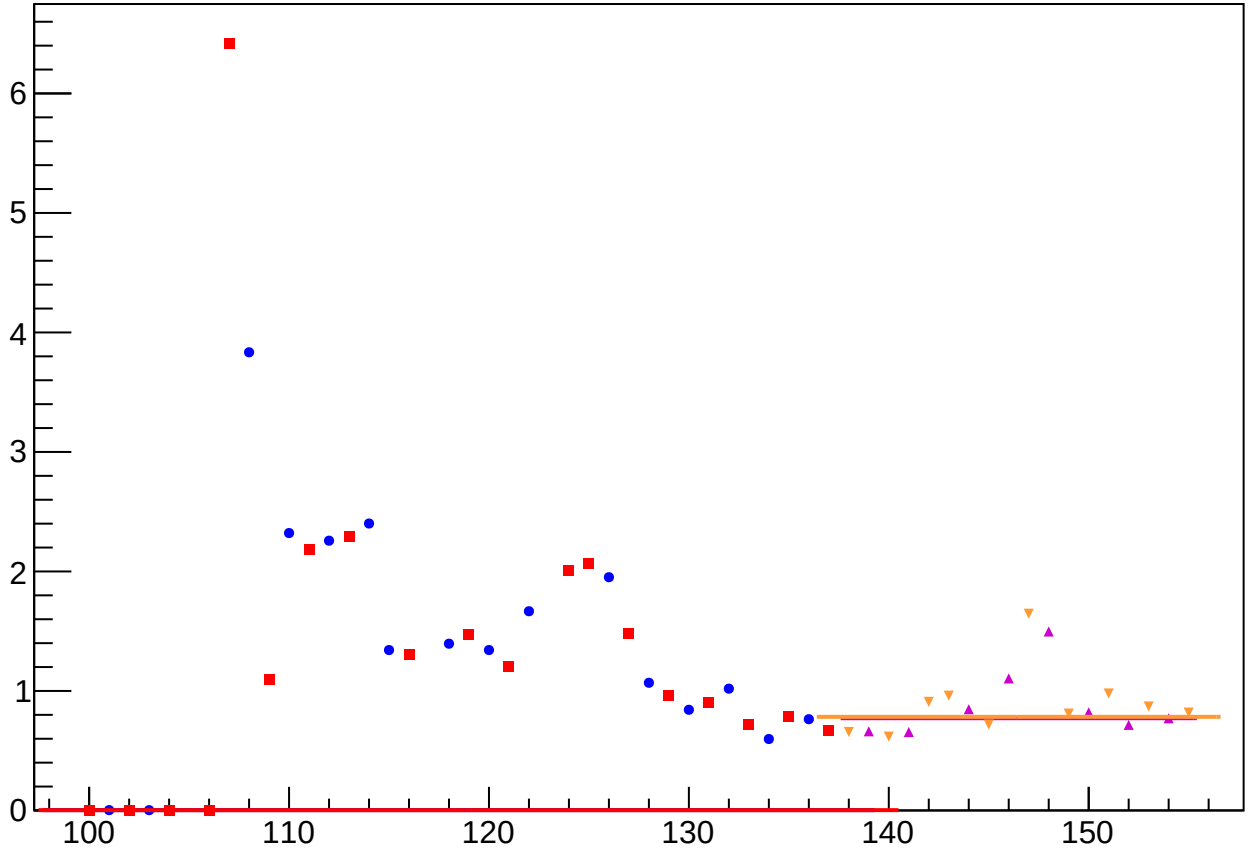
Left In: -60.200+/-0.000 χ^2/NDF:44935128.2/7

+ sign 140.133+/-0.000 χ^2/NDF: 568886755619.7/2

All: 120.823+/-0.000 χ^2/NDF: 13815003515

- sign 104.217+/-0.000 χ^2/NDF: 125764367799970

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.784+/-0.000 χ^2/NDF:692471.1/9

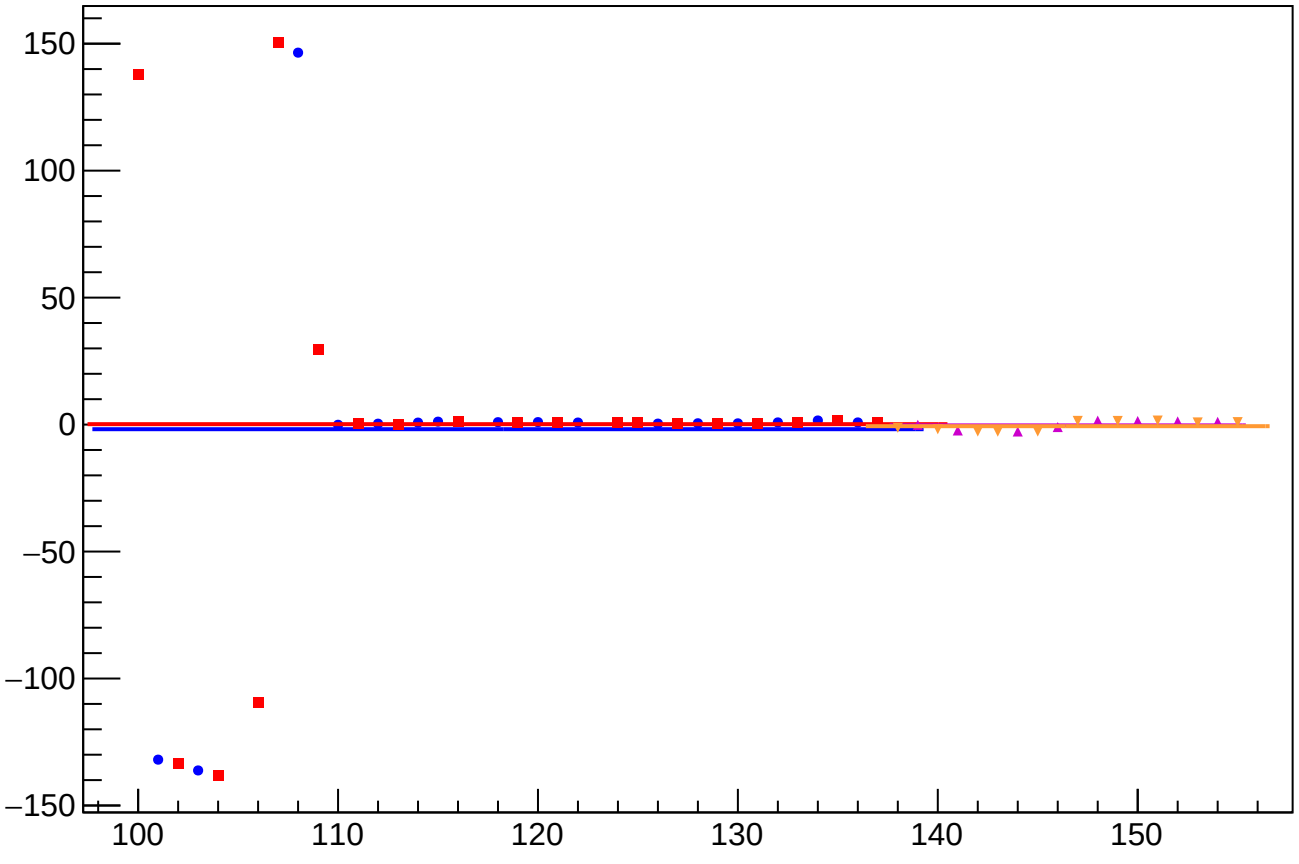
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.772+/-0.000 χ^2/NDF:565222.8/7

+ sign 0.003+/-0.000 χ^2/NDF: 22821171.1/25

All: 0.003+/-0.000 χ^2/NDF: 44235367.4/52

- sign 0.003+/-0.000 χ^2/NDF: 21413871.6/26



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.630+/-0.000 χ^2/NDF:76434206.5/9

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

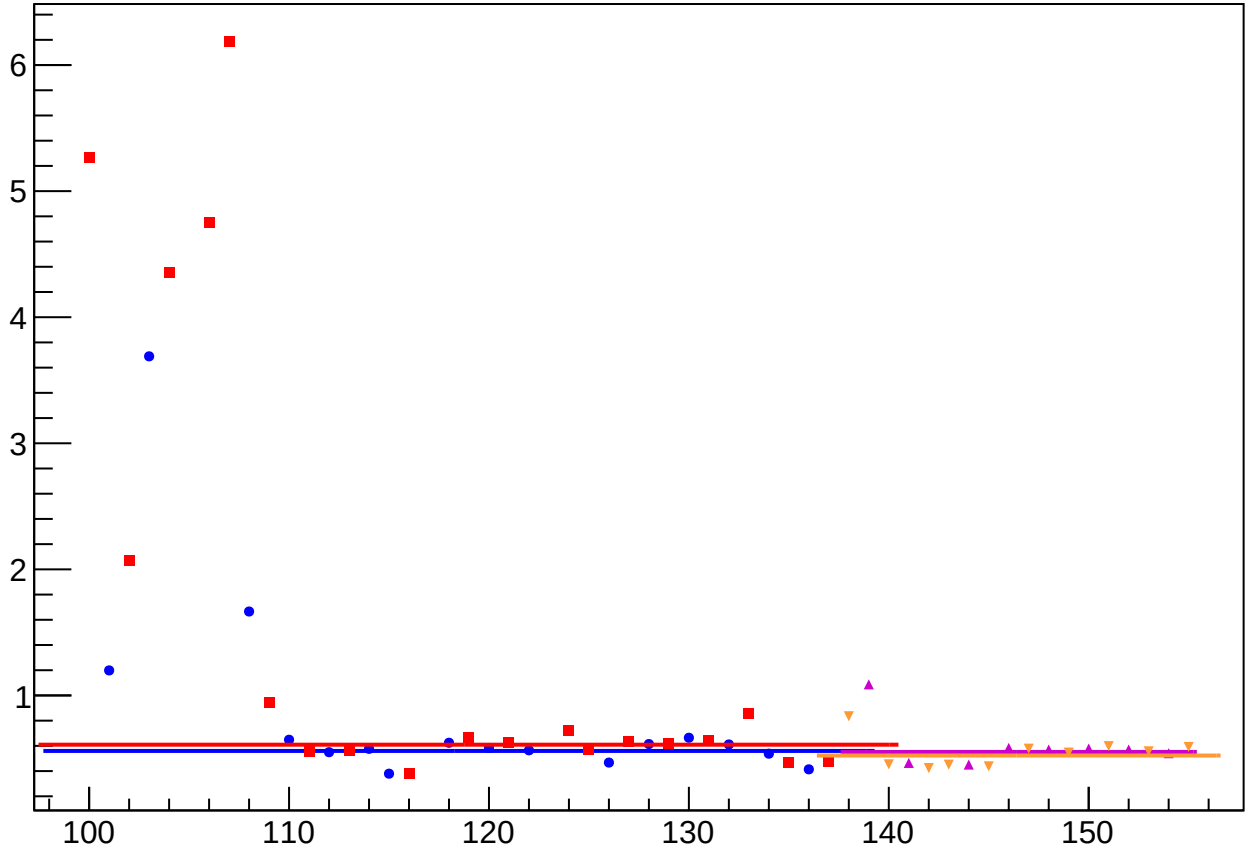
Left In: -0.308+/-0.000 χ^2/NDF:54810478.2/7

+ sign -1.136+/-0.000 χ^2/NDF: 9976670252.4/25

All: -0.670+/-0.000 χ^2/NDF: 13662612787.4/

- sign -0.105+/-0.000 χ^2/NDF: 3667765638.0/26

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.523+/-0.000 χ^2/NDF:379381.3/9

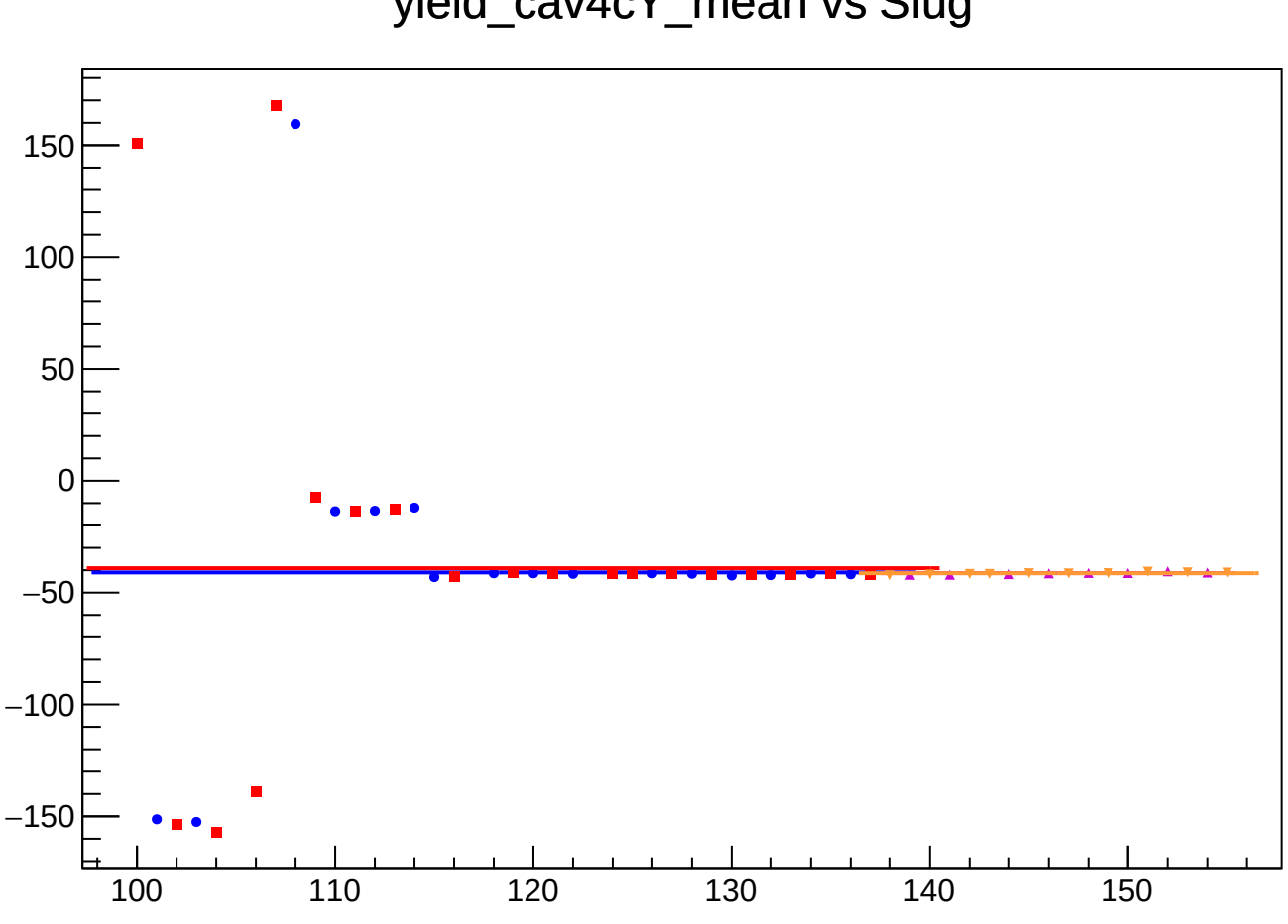
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.552+/-0.000 χ^2/NDF:526981.3/7

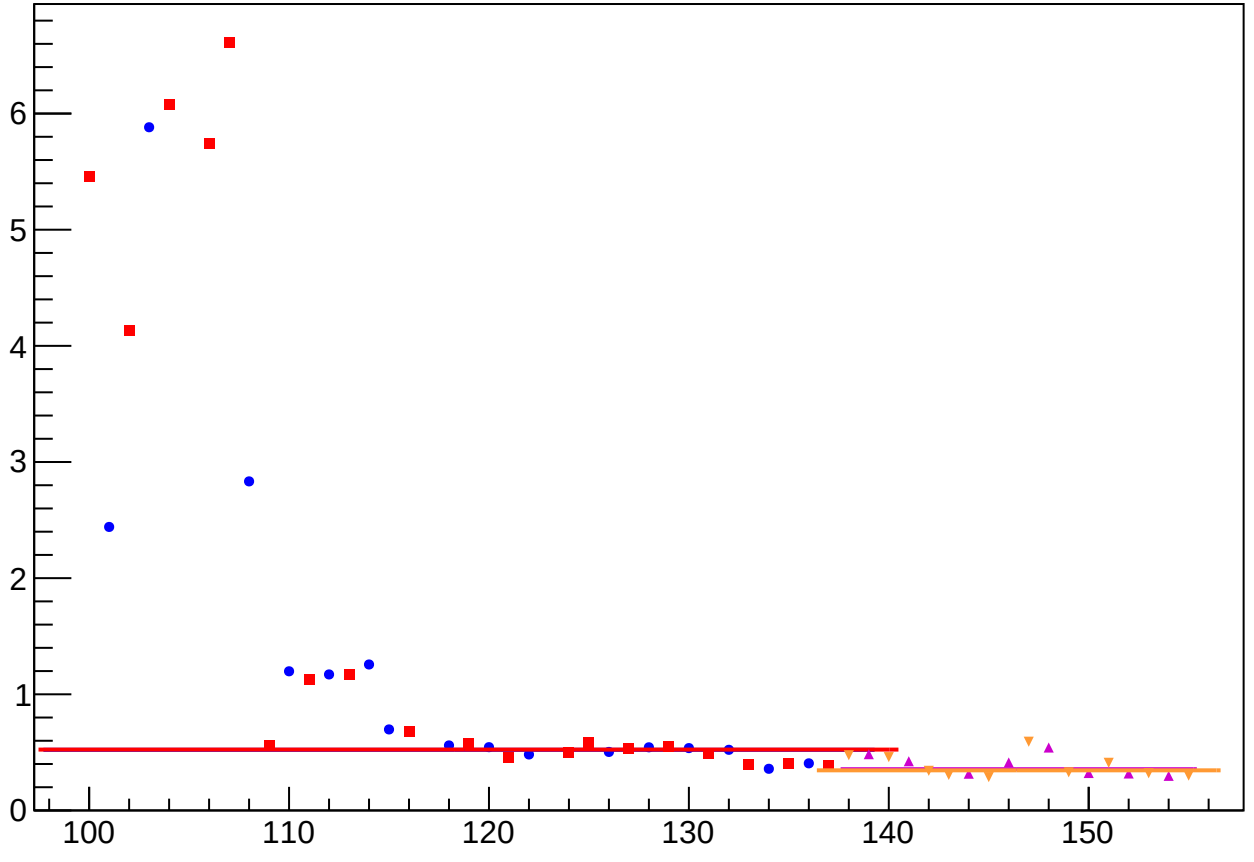
+ sign 0.539+/-0.000 χ^2/NDF: 2002446.8/25

All: 0.556+/-0.000 χ^2/NDF: 5104429.4/52

- sign 0.576+/-0.000 χ^2/NDF: 3053726.6/26


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: -40.987+/-0.000 χ²/NDF: 3449622021.8/15
Left Out: -41.339+/-0.000 χ²/NDF:9069132.7/9
Right Out: -39.101+/-0.000 χ²/NDF: 2480133442.0/18
Left In: -41.293+/-0.000 χ²/NDF:11670647.0/7
+ sign -41.255+/-0.000 χ²/NDF: 3460435313.3/25
All: -41.004+/-0.000 χ²/NDF: 6026184301.5/
- sign -40.716+/-0.000 χ²/NDF: 2555201075.0/26

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:649379.1/9

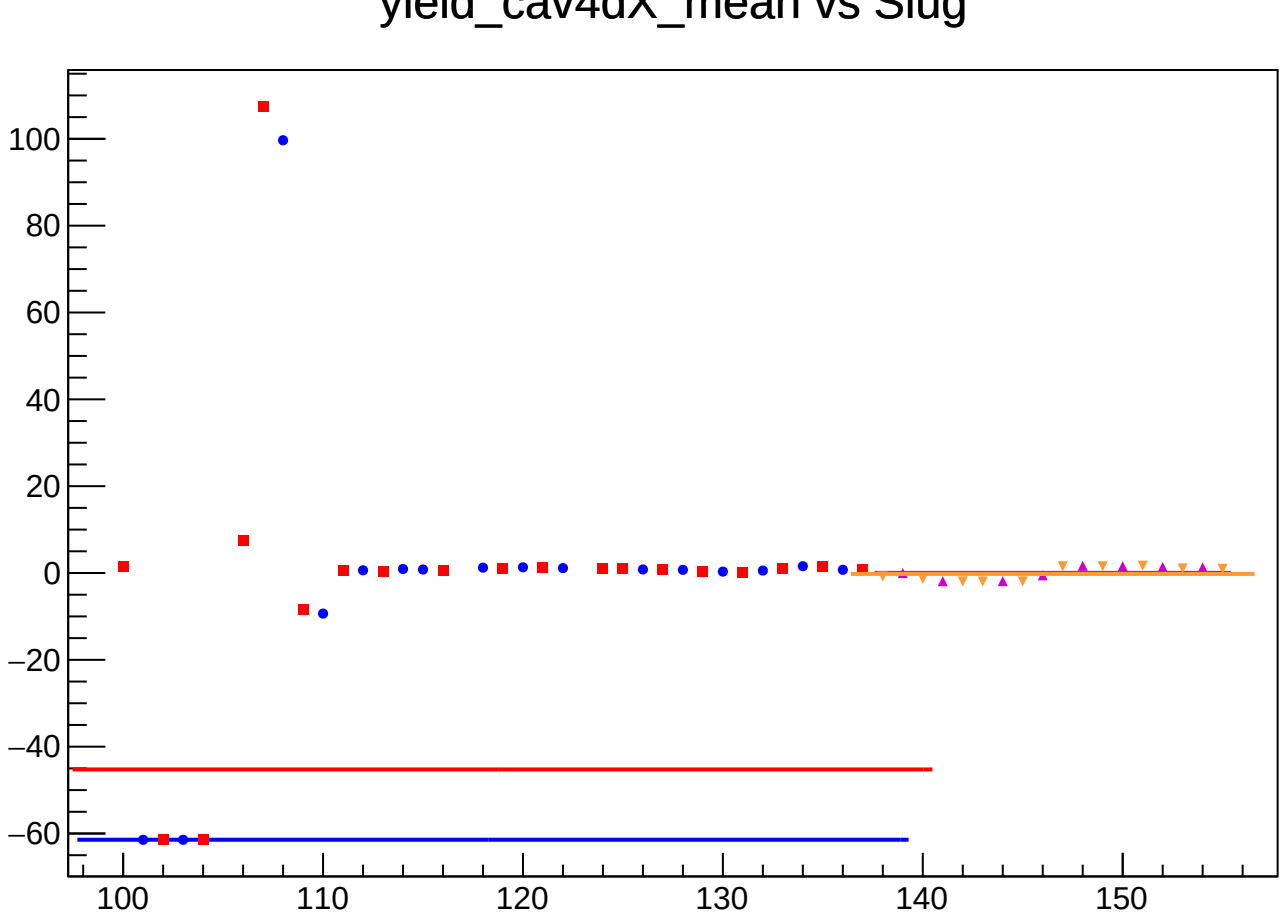
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.355+/-0.000 χ^2/NDF:497185.2/7

+ sign 0.387+/-0.000 χ^2/NDF: 4476096.4/25

All: 0.393+/-0.000 χ^2/NDF: 8999750.4/52

- sign 0.400+/-0.000 χ^2/NDF: 4512703.9/26



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.215+/-0.000 χ^2/NDF:75348428.4/9

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

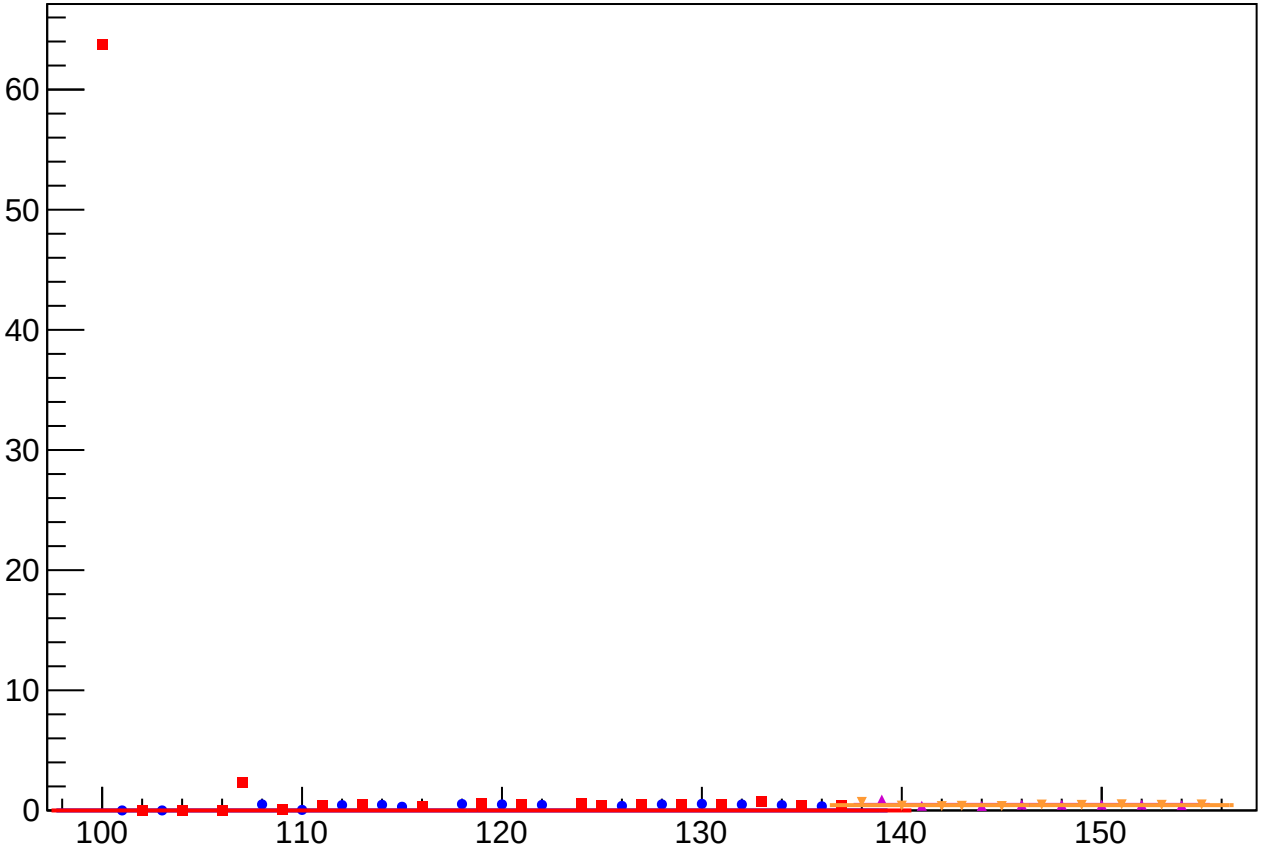
Left In: 0.032+/-0.000 χ^2/NDF:58954295.0/7

+ sign -61.431+/-0.000 χ^2/NDF: 388083916411.7/2

All: -52.745+/-0.000 χ^2/NDF: 409276835072

- sign -45.242+/-0.000 χ^2/NDF: 357922237477473.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.443+/-0.000 χ^2/NDF:375527.8/9

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

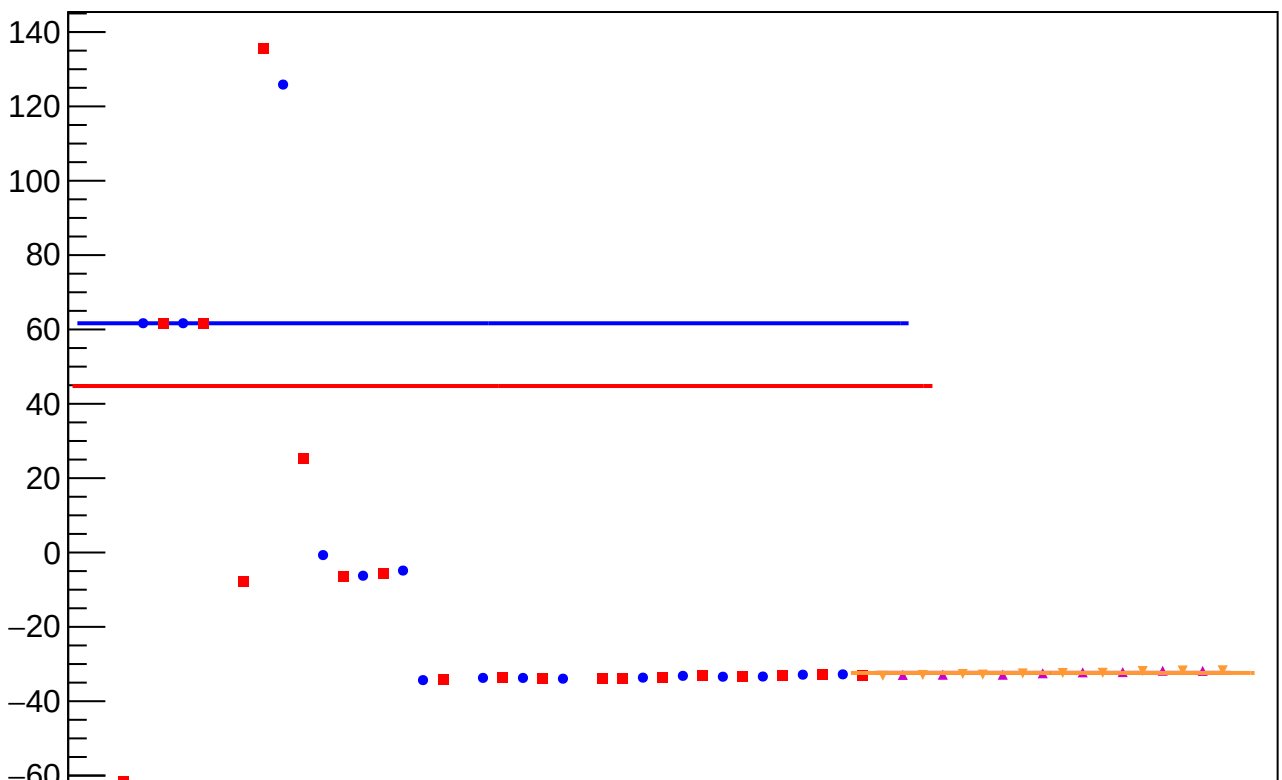
Left In: 0.464+/-0.000 χ^2/NDF:522620.6/7

+ sign 0.002+/-0.000 χ^2/NDF: 21423669.1/25

All: 0.001+/-0.000 χ^2/NDF: 42092874.5/52

- sign 0.001+/-0.000 χ^2/NDF: 20669152.0/26

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.393+/-0.000 χ^2/NDF:20854939.1/9

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

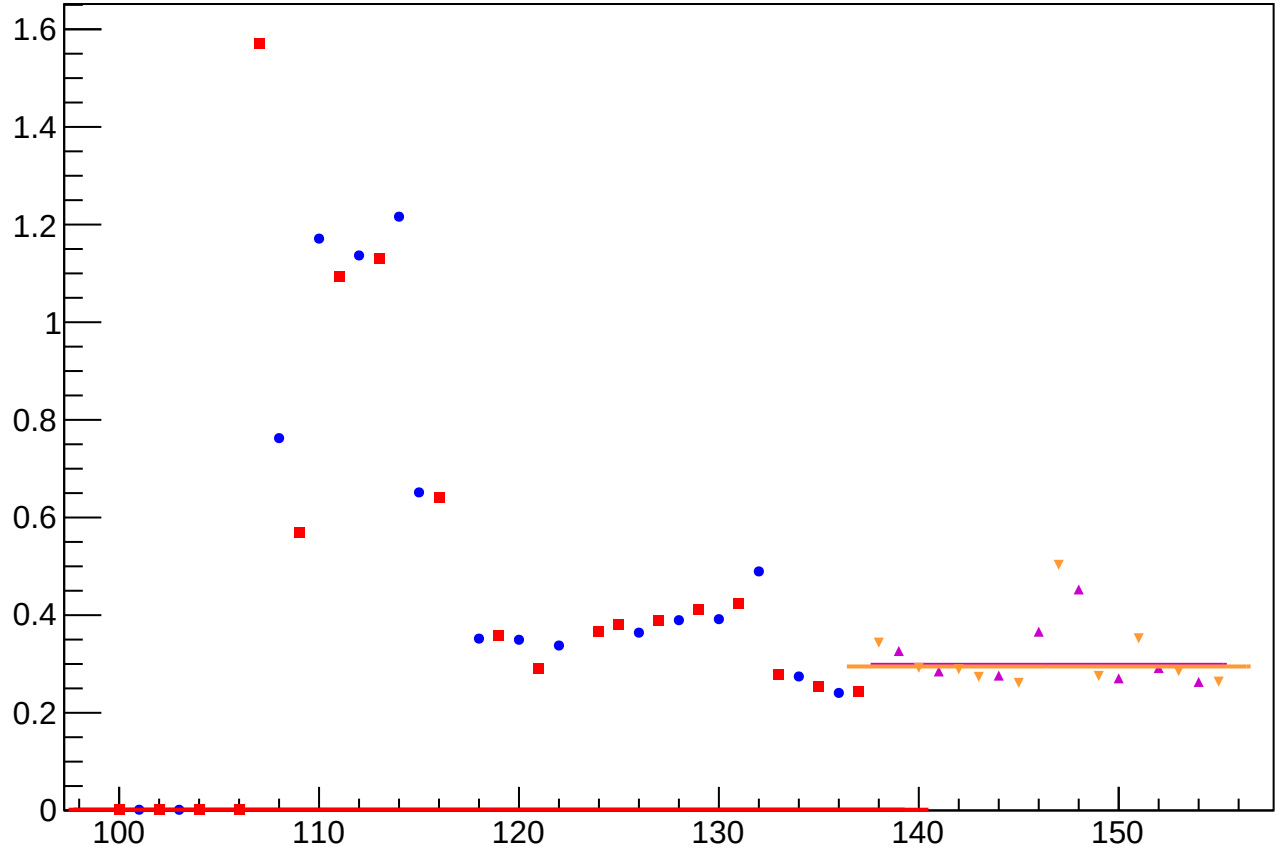
Left In: -32.370+/-0.000 χ^2/NDF:15326786.9/7

+ sign 61.639+/-0.000 χ^2/NDF: 1112413055320.2/2

All: 52.670+/-0.000 χ^2/NDF: 418710590160

- sign 44.771+/-0.000 χ^2/NDF: 366534614484244.3

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.295+/-0.000 χ^2/NDF:413241.1/9

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

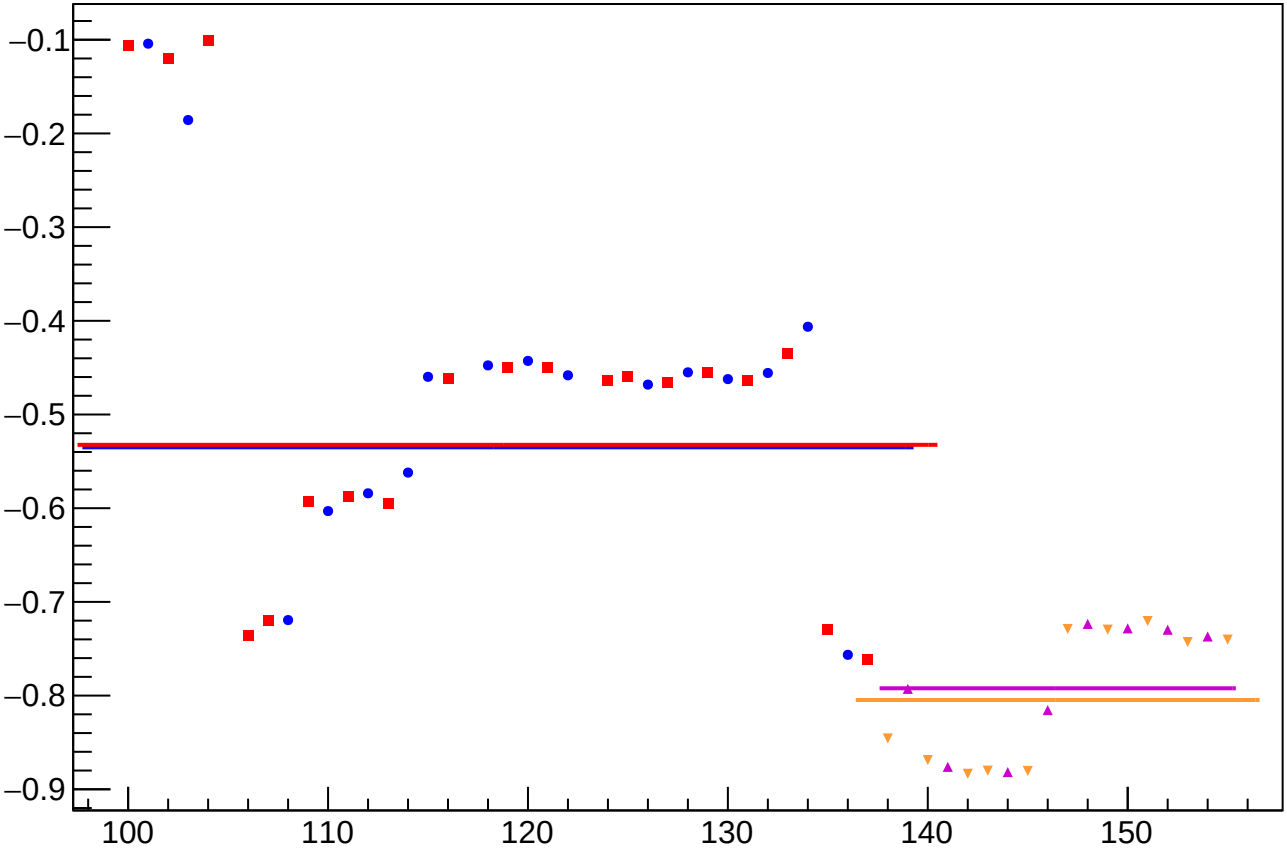
Left In: 0.298+/-0.000 χ^2/NDF:317440.5/7

+ sign 0.002+/-0.000 χ^2/NDF: 25894576.4/25

All: 0.002+/-0.000 χ^2/NDF: 49783910.9/52

- sign 0.002+/-0.000 χ^2/NDF: 23889331.1/26

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.805+/-0.000 χ^2/NDF:84467769.6/9

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

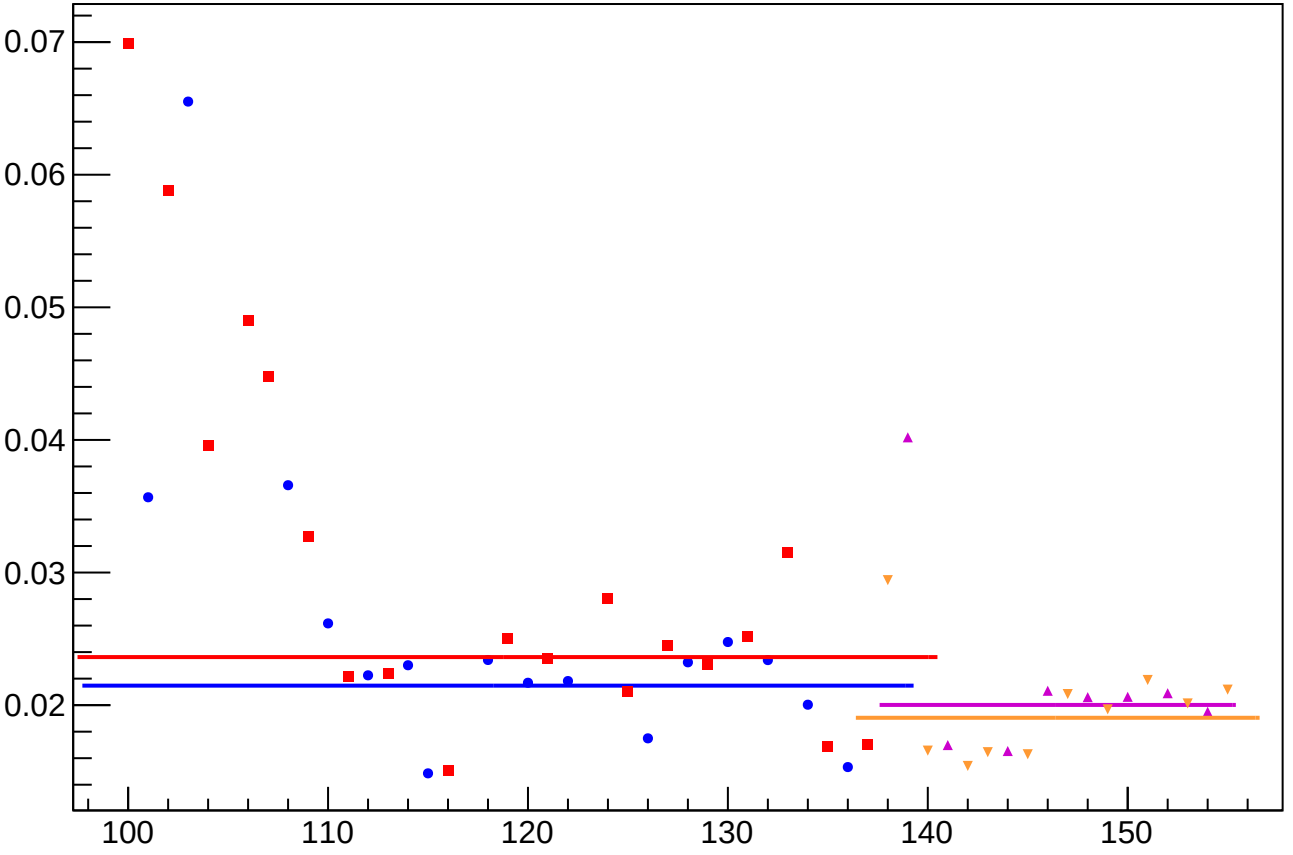
Left In: -0.792+/-0.000 χ^2/NDF:61678959.2/7

+ sign -0.693+/-0.000 χ^2/NDF: 880404932.6/25

All: -0.688+/-0.000 χ^2/NDF: 1545768274.5/5

- sign -0.682+/-0.000 χ^2/NDF: 663774338.4/26

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:333901.1/9

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

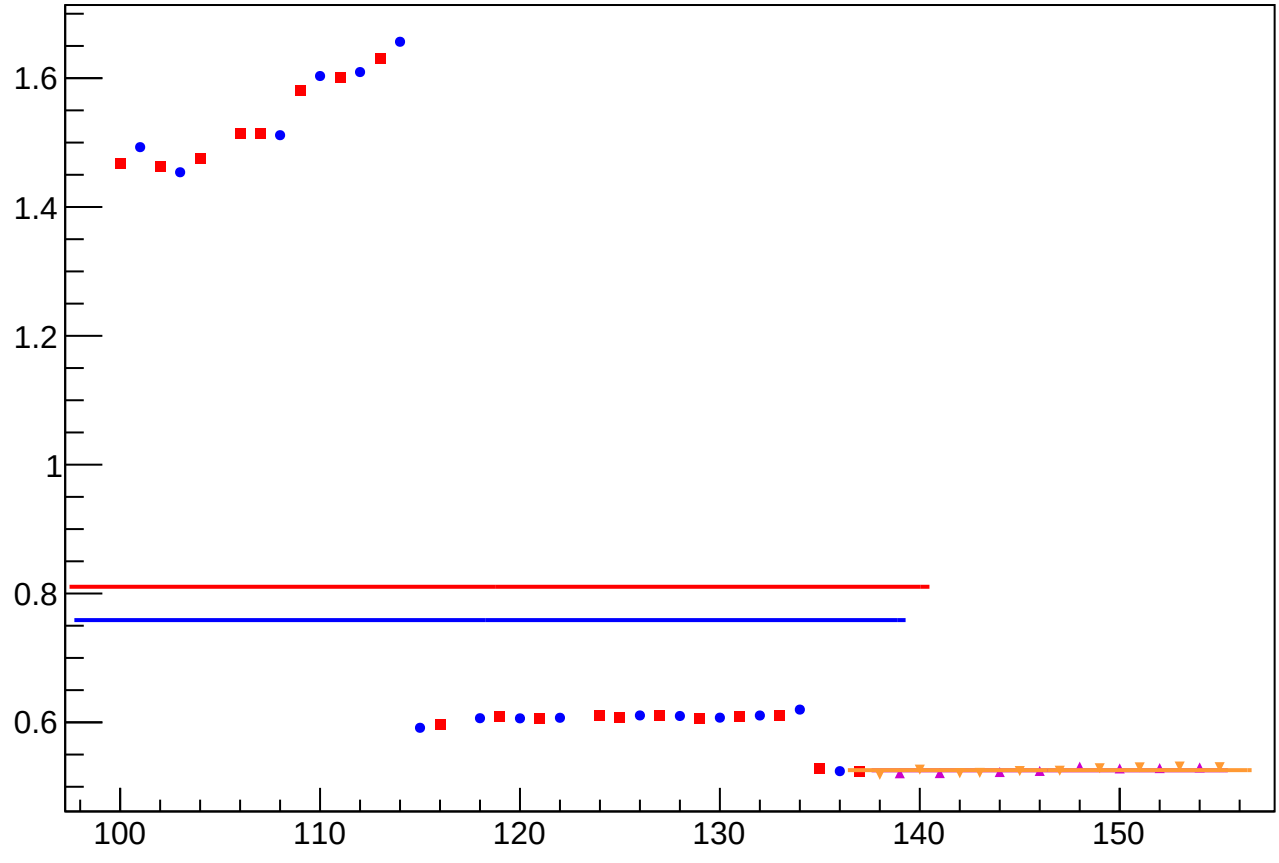
Left In: 0.020+/-0.000 χ^2/NDF:530083.6/7

+ sign 0.020+/-0.000 χ^2/NDF: 1567842.0/25

All: 0.021+/-0.000 χ^2/NDF: 3582223.4/52

- sign 0.022+/-0.000 χ^2/NDF: 1957004.9/26

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.526+/-0.000 χ^2/NDF:878260.4/9

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

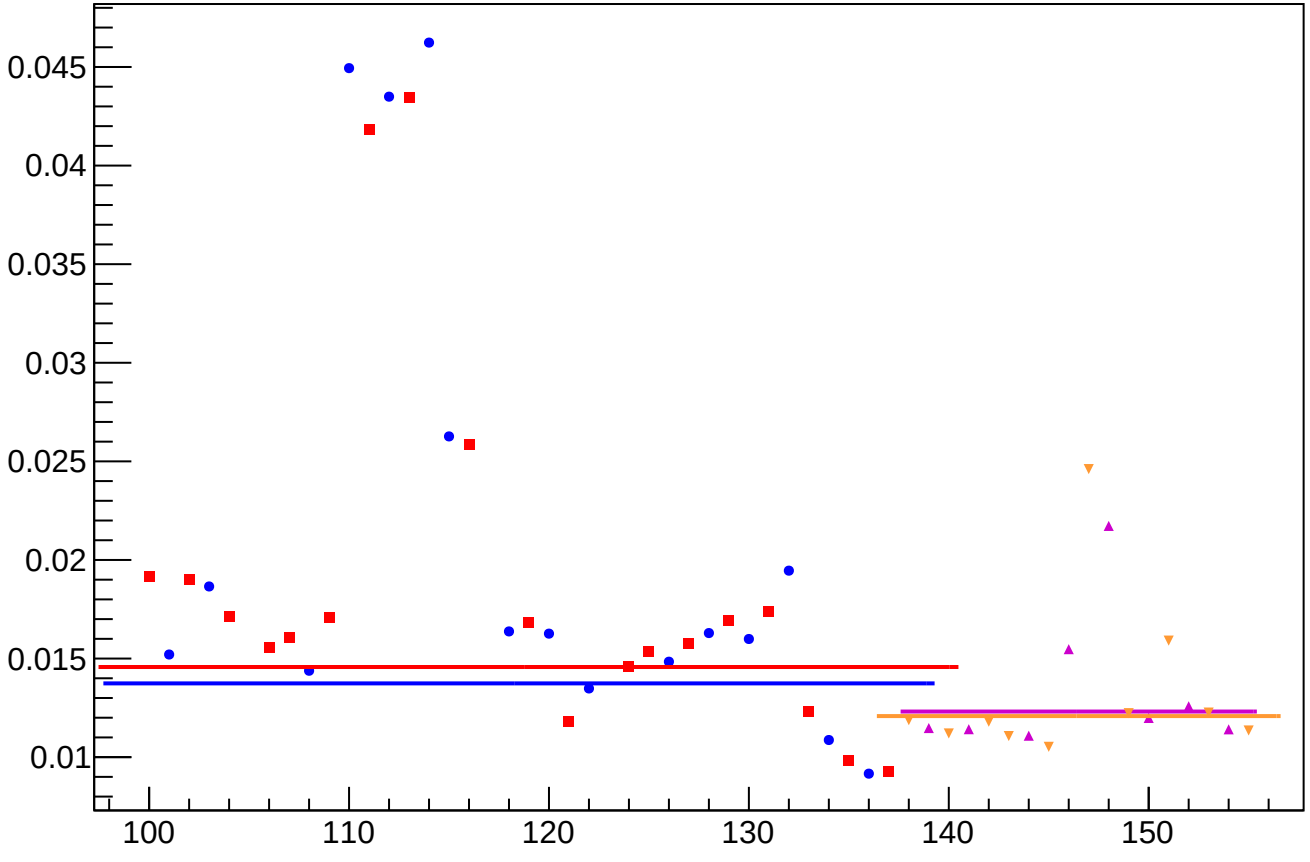
Left In: 0.525+/-0.000 χ^2/NDF:607229.5/7

+ sign 0.616+/-0.000 χ^2/NDF: 5351766219.5/25

All: 0.628+/-0.000 χ^2/NDF: 11563557655.2/5

- sign 0.641+/-0.000 χ^2/NDF: 6188085034.8/26

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:566598.1/9

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

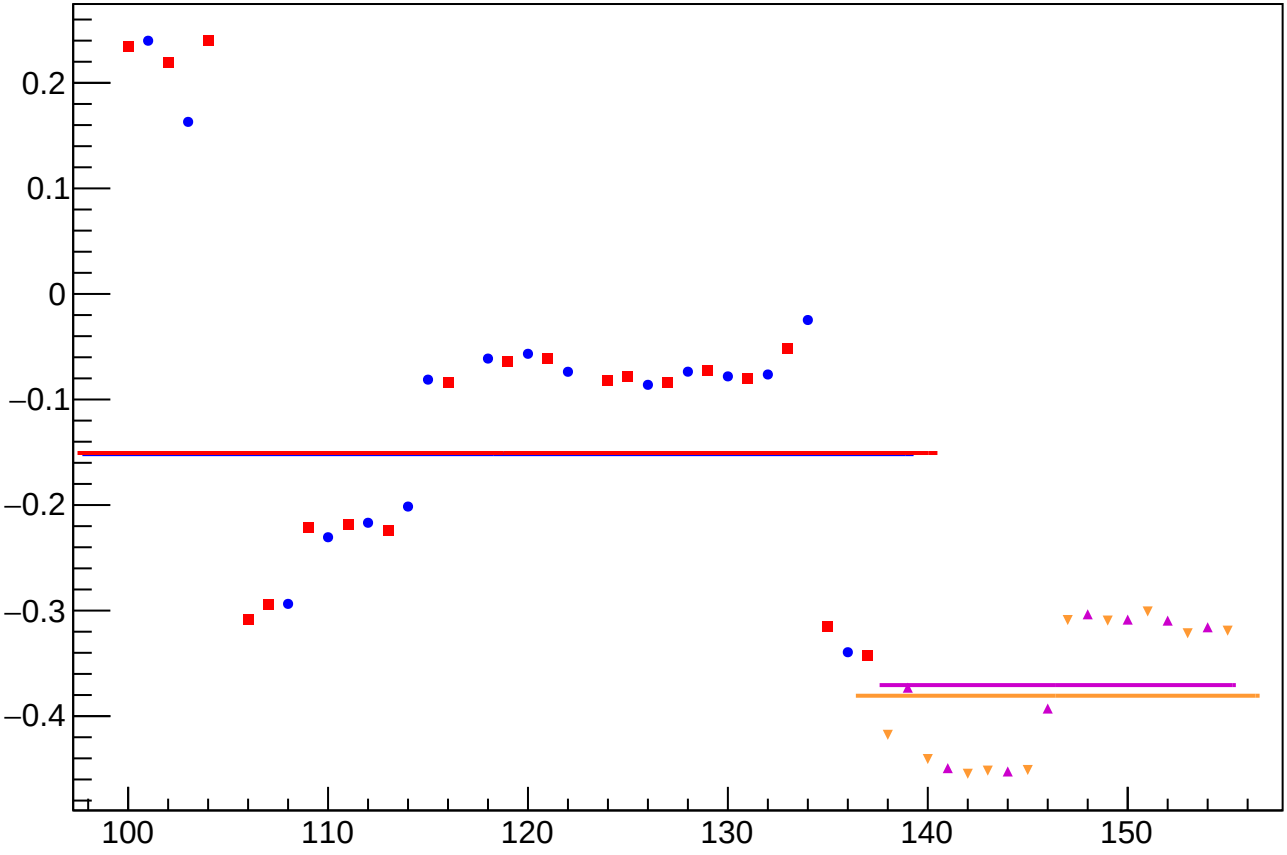
Left In: 0.012+/-0.000 χ^2/NDF:415353.3/7

+ sign 0.013+/-0.000 χ^2/NDF: 2322452.8/25

All: 0.013+/-0.000 χ^2/NDF: 4390381.5/52

- sign 0.013+/-0.000 χ^2/NDF: 2048564.1/26

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.381+/-0.000 χ^2/NDF:82811823.2/9

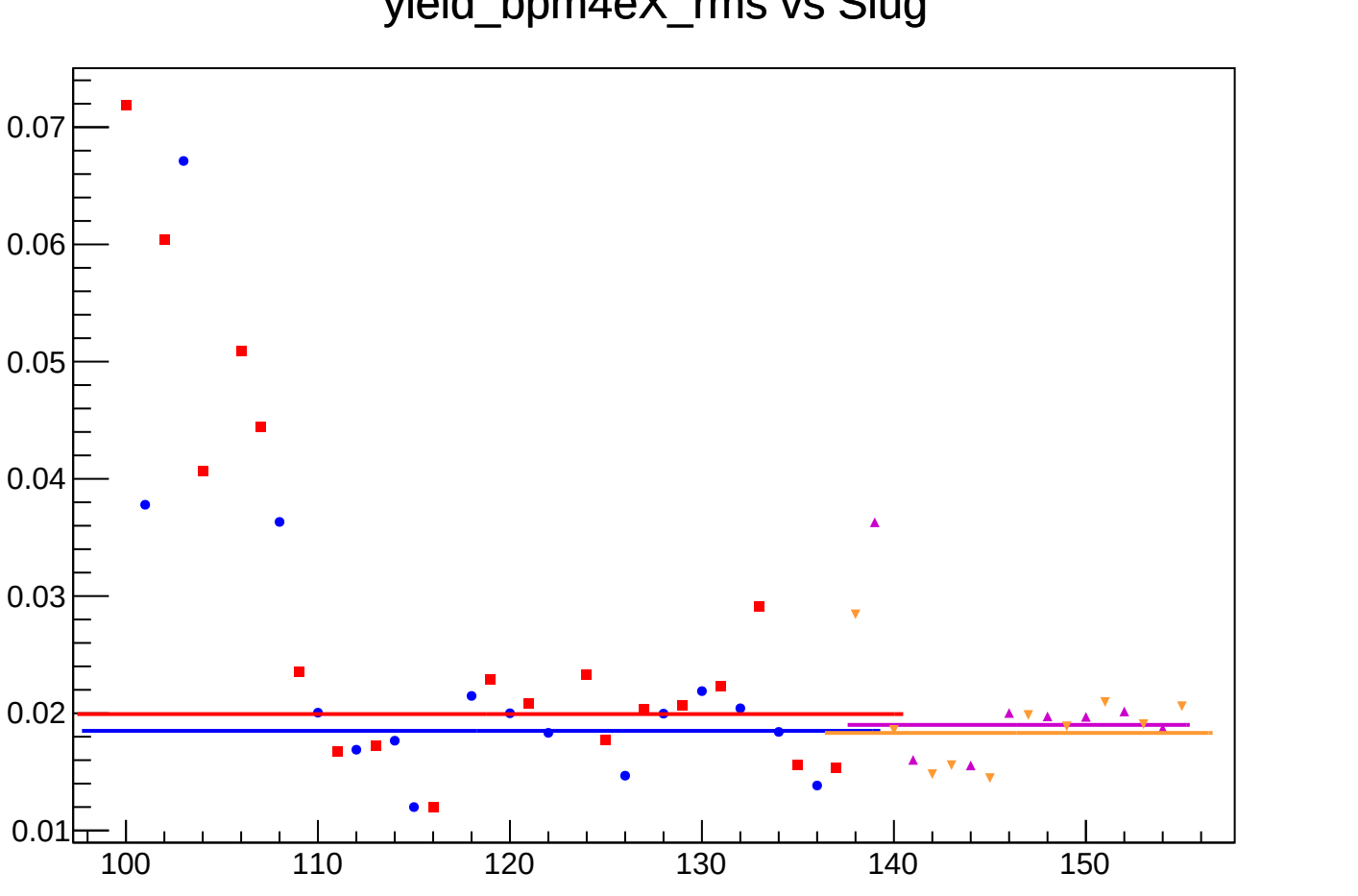
Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.371+/-0.000 χ^2/NDF:62439721.3/7

+ sign -0.275+/-0.000 χ^2/NDF: 794252868.9/25

All: -0.271+/-0.000 χ^2/NDF: 1405085420.7/5

- sign -0.266+/-0.000 χ^2/NDF: 609590522.8/26



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:372337.8/9

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

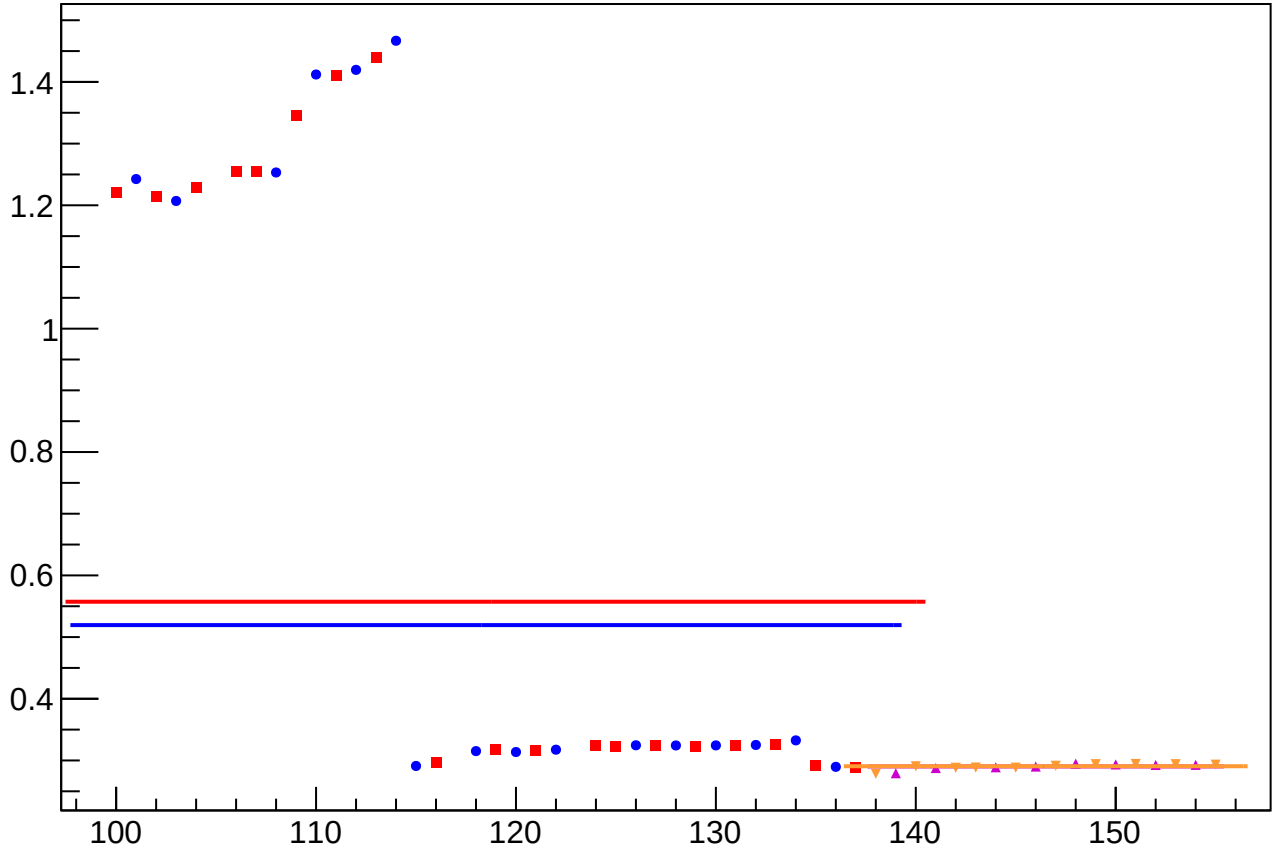
Left In: 0.019+/-0.000 χ^2/NDF:502775.4/7

+ sign 0.018+/-0.000 χ^2/NDF: 1745208.4/25

All: 0.019+/-0.000 χ^2/NDF: 3841484.0/52

- sign 0.019+/-0.000 χ^2/NDF: 2062571.6/26

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:1012999.4/9

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

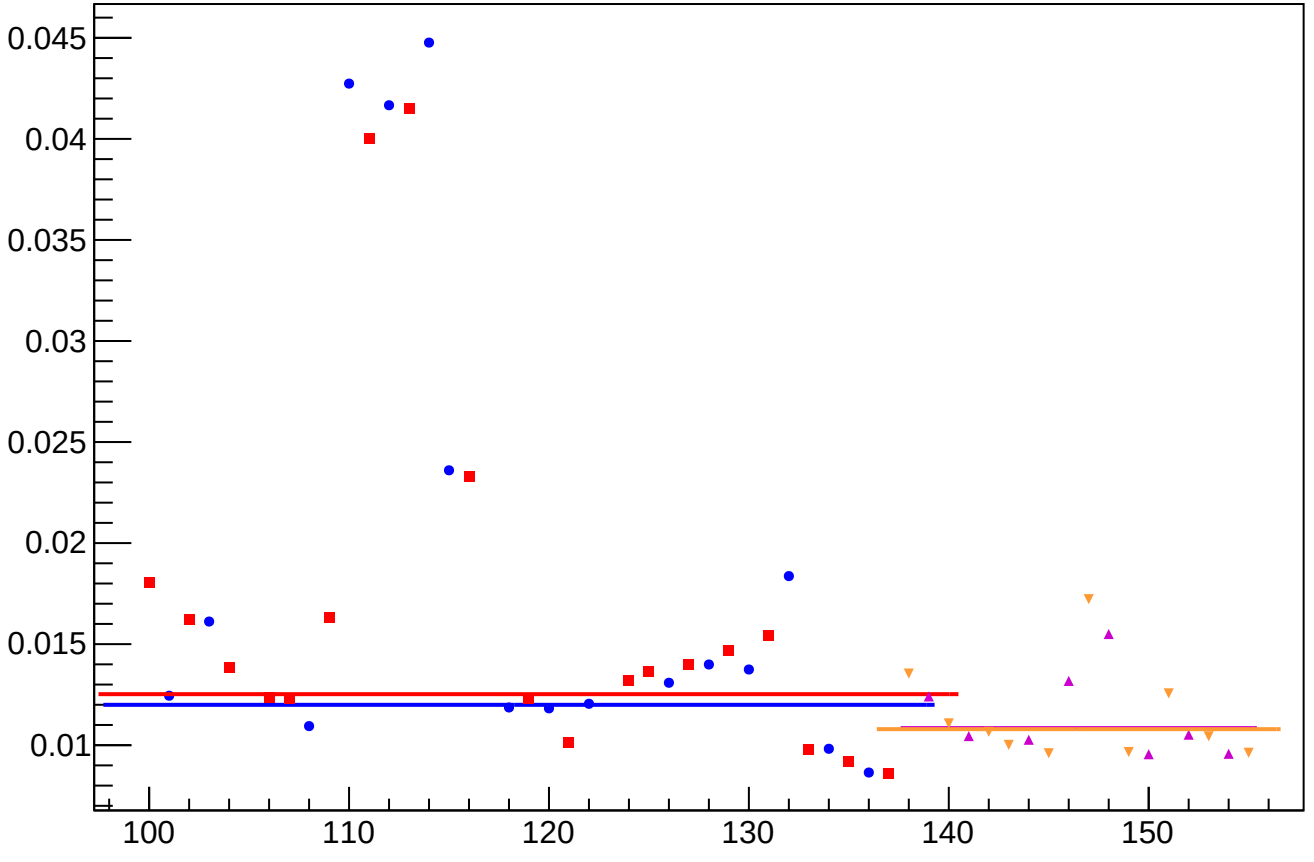
Left In: 0.290+/-0.000 χ^2/NDF:990345.1/7

+ sign 0.382+/-0.000 χ^2/NDF: 7626097628.6/25

All: 0.390+/-0.000 χ^2/NDF: 16029717022.0/5

- sign 0.400+/-0.000 χ^2/NDF: 8386781732.2/26

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:398103.7/9

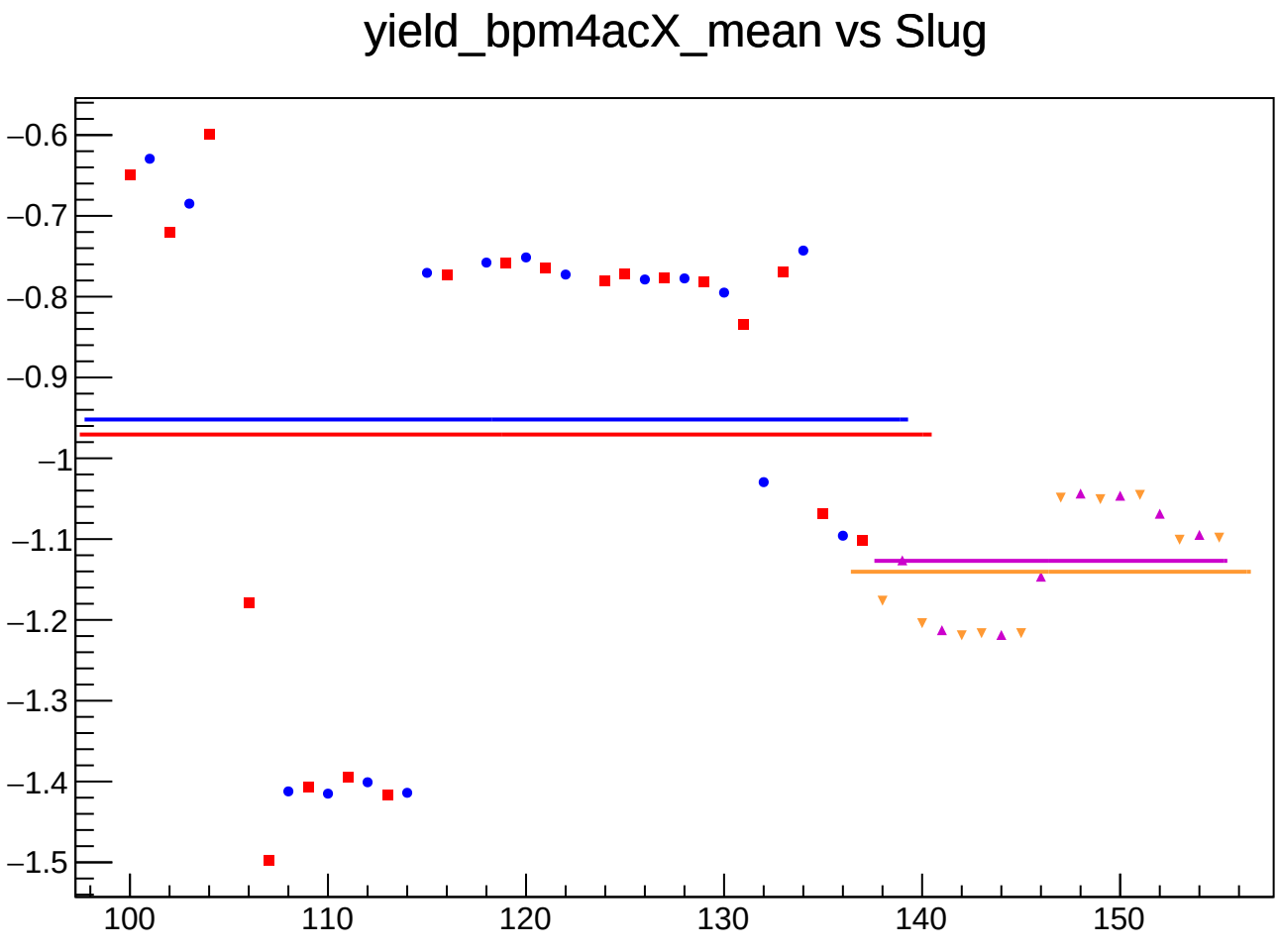
Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:293773.3/7

+ sign 0.011+/-0.000 χ^2/NDF: 1962017.0/25

All: 0.011+/-0.000 χ^2/NDF: 3826583.2/52

- sign 0.012+/-0.000 χ^2/NDF: 1857636.6/26



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.140+/-0.000 χ^2/NDF:92616143.9/9

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

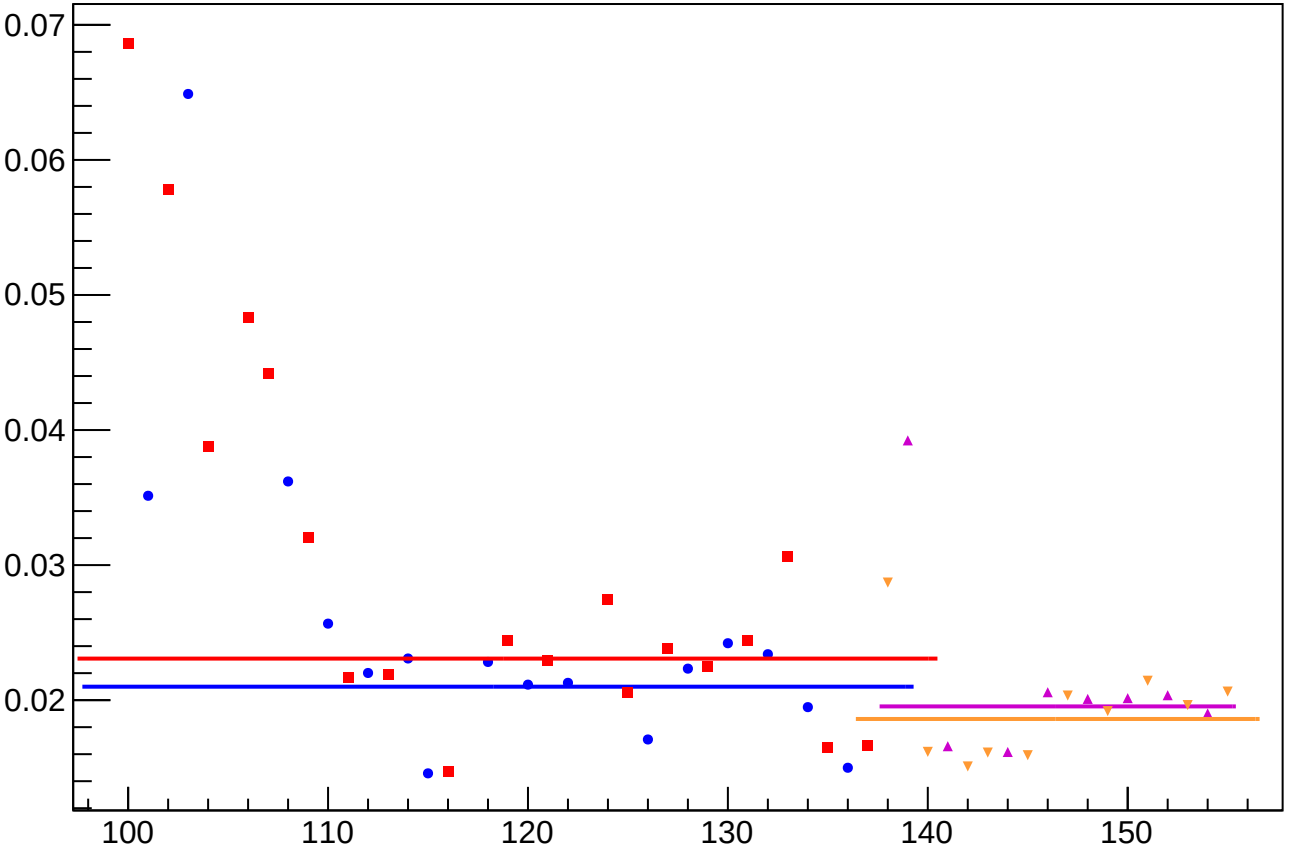
Left In: -1.127+/-0.000 χ^2/NDF:69503972.3/7

+ sign -1.063+/-0.000 χ^2/NDF: 1044784444.9/25

All: -1.062+/-0.000 χ^2/NDF: 1975863196.4/5

- sign -1.061+/-0.000 χ^2/NDF: 931034442.6/26

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:331324.9/9

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

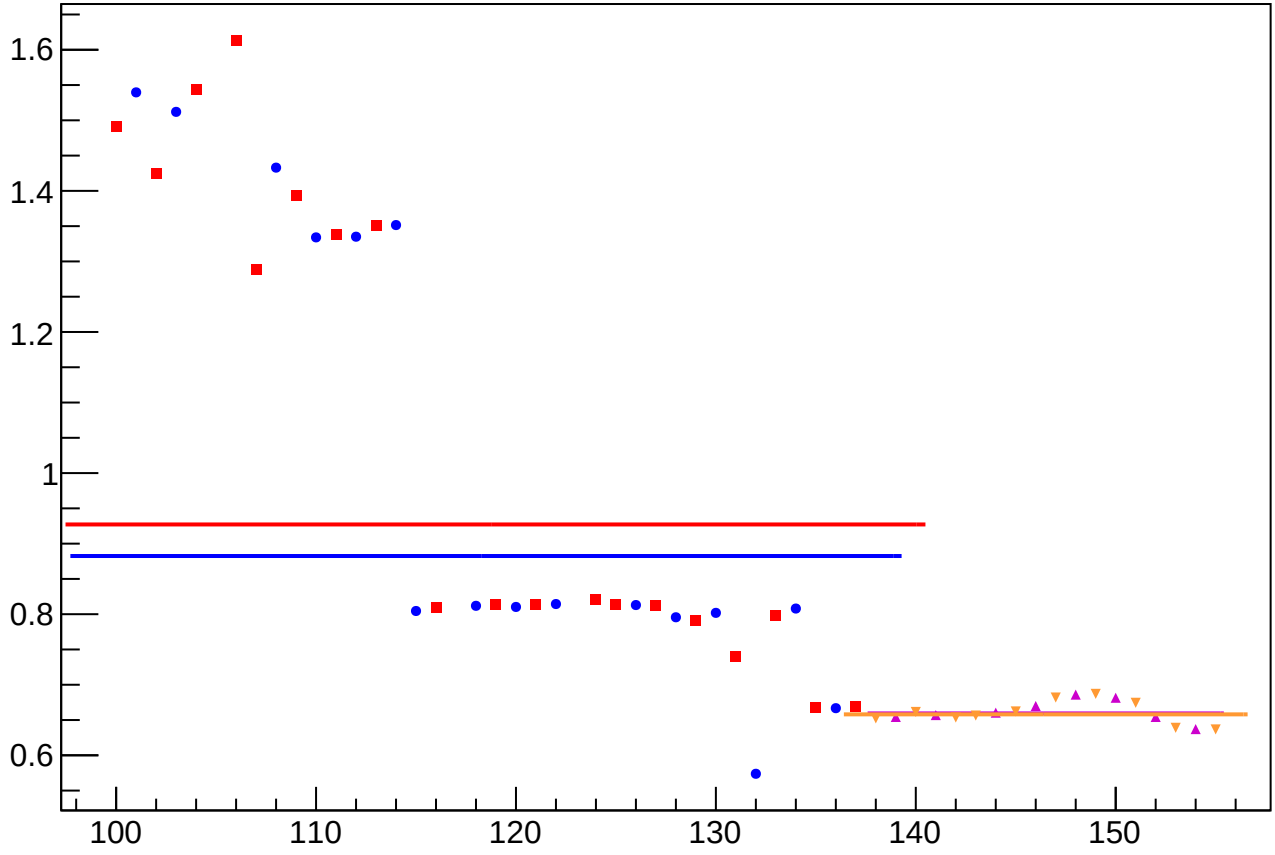
Left In: 0.020+/-0.000 χ^2/NDF:529092.7/7

+ sign 0.020+/-0.000 χ^2/NDF: 1579709.0/25

All: 0.020+/-0.000 χ^2/NDF: 3596603.9/52

- sign 0.021+/-0.000 χ^2/NDF: 1961197.7/26

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.658+/-0.000 χ^2/NDF:11430813.8/9

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

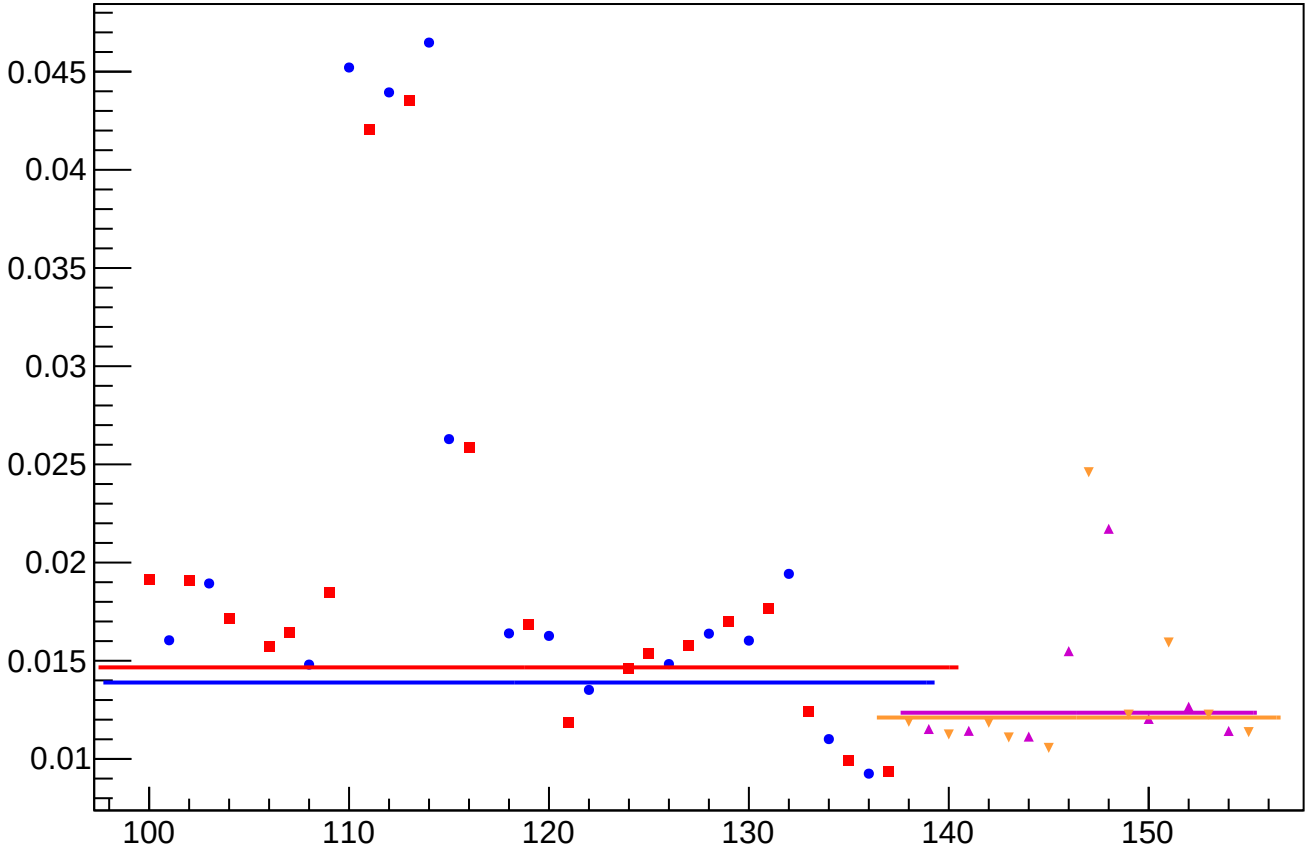
Left In: 0.659+/-0.000 χ^2/NDF:8211786.6/7

+ sign 0.744+/-0.000 χ^2/NDF: 3750292583.0/25

All: 0.755+/-0.000 χ^2/NDF: 7777964358.5/52

- sign 0.767+/-0.000 χ^2/NDF: 4007090506.7/26

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:562443.6/9

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

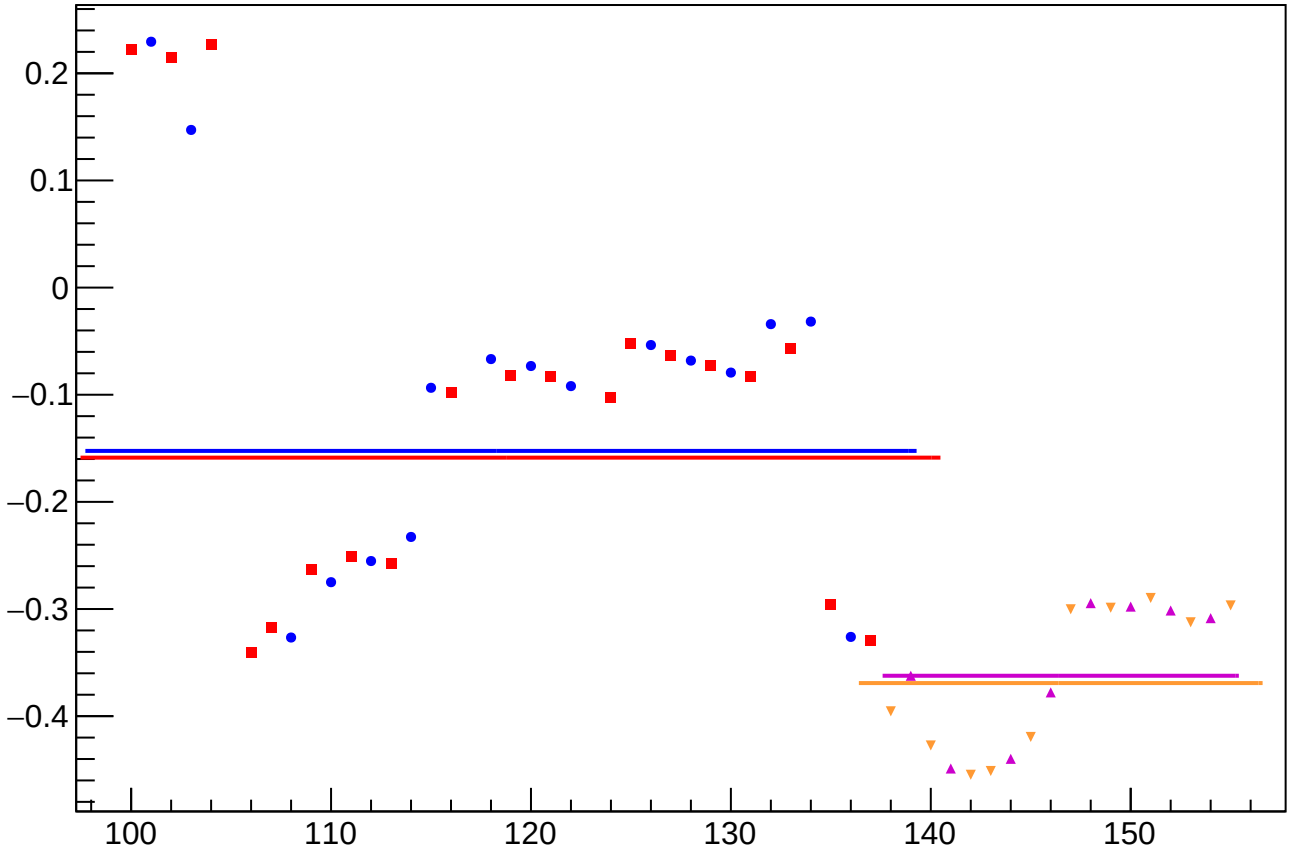
Left In: 0.012+/-0.000 χ^2/NDF:411829.0/7

+ sign 0.013+/-0.000 χ^2/NDF: 2329603.8/25

All: 0.013+/-0.000 χ^2/NDF: 4410586.8/52

- sign 0.013+/-0.000 χ^2/NDF: 2062634.8/26

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.369+/-0.000 χ^2/NDF:82256647.7/9

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

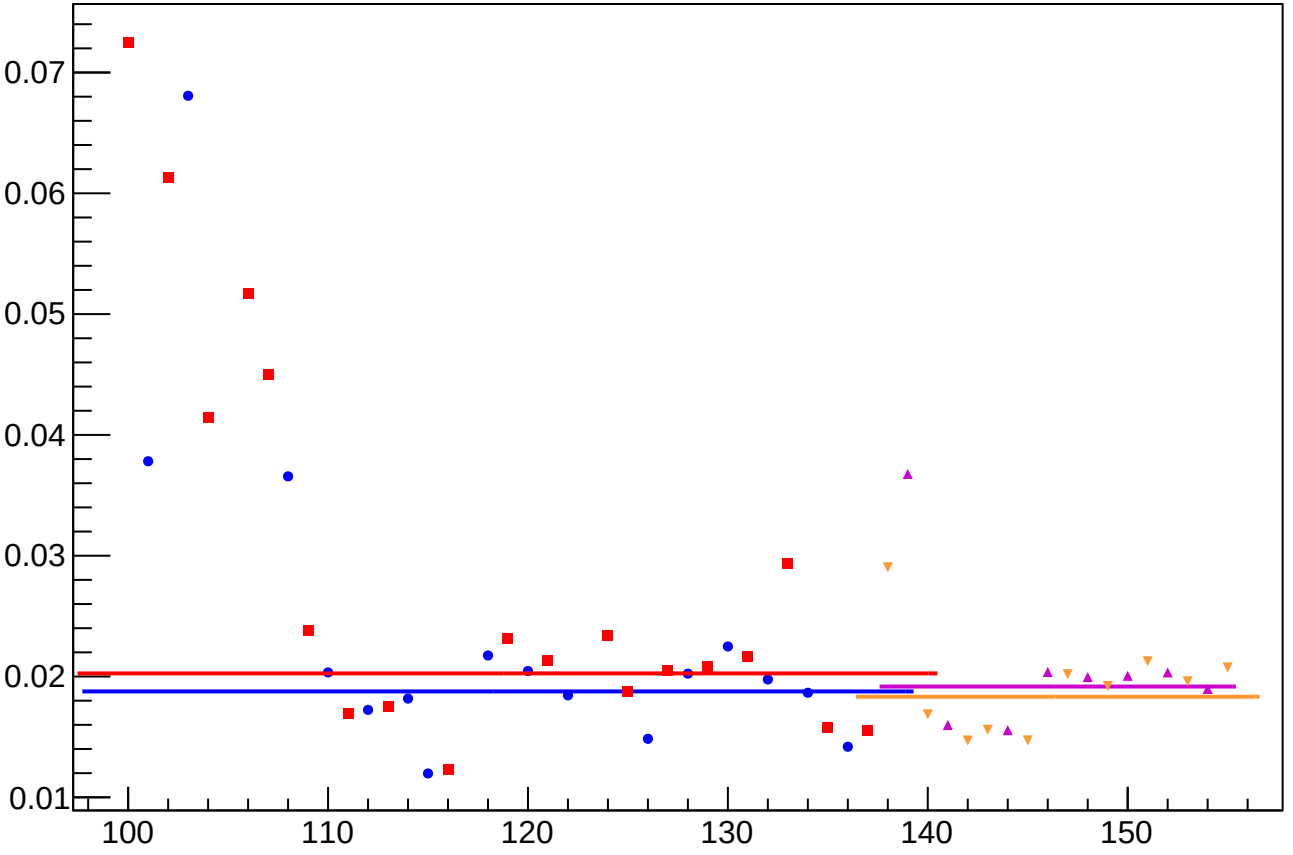
Left In: -0.362+/-0.000 χ^2/NDF:62903759.0/7

+ sign -0.270+/-0.000 χ^2/NDF: 739074788.2/25

All: -0.268+/-0.000 χ^2/NDF: 1288210001.8/5

- sign -0.266+/-0.000 χ^2/NDF: 548900745.8/26

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:401008.3/9

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

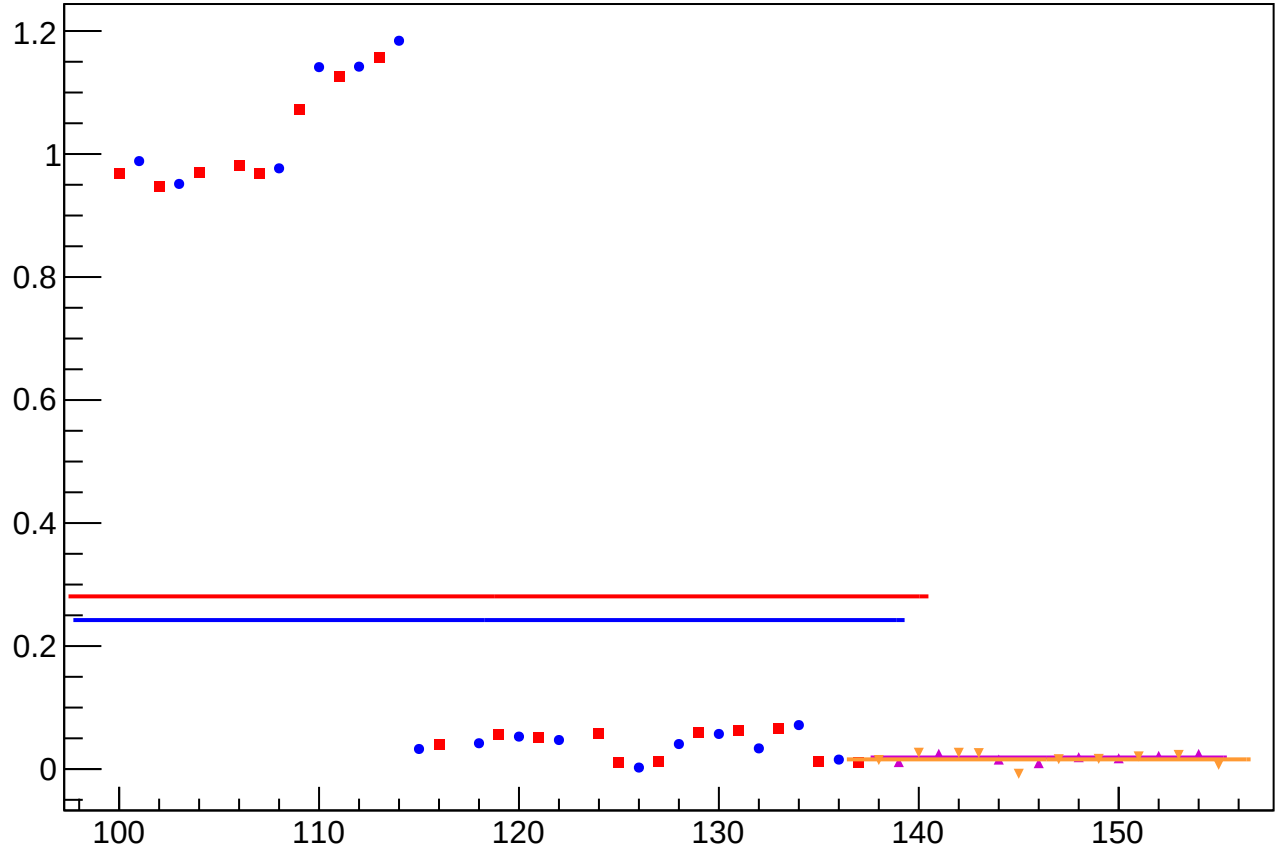
Left In: 0.019+/-0.000 χ^2/NDF:520212.8/7

+ sign 0.019+/-0.000 χ^2/NDF: 1753535.5/25

All: 0.019+/-0.000 χ^2/NDF: 3860387.6/52

- sign 0.020+/-0.000 χ^2/NDF: 2066398.5/26

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:7944296.0/9

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

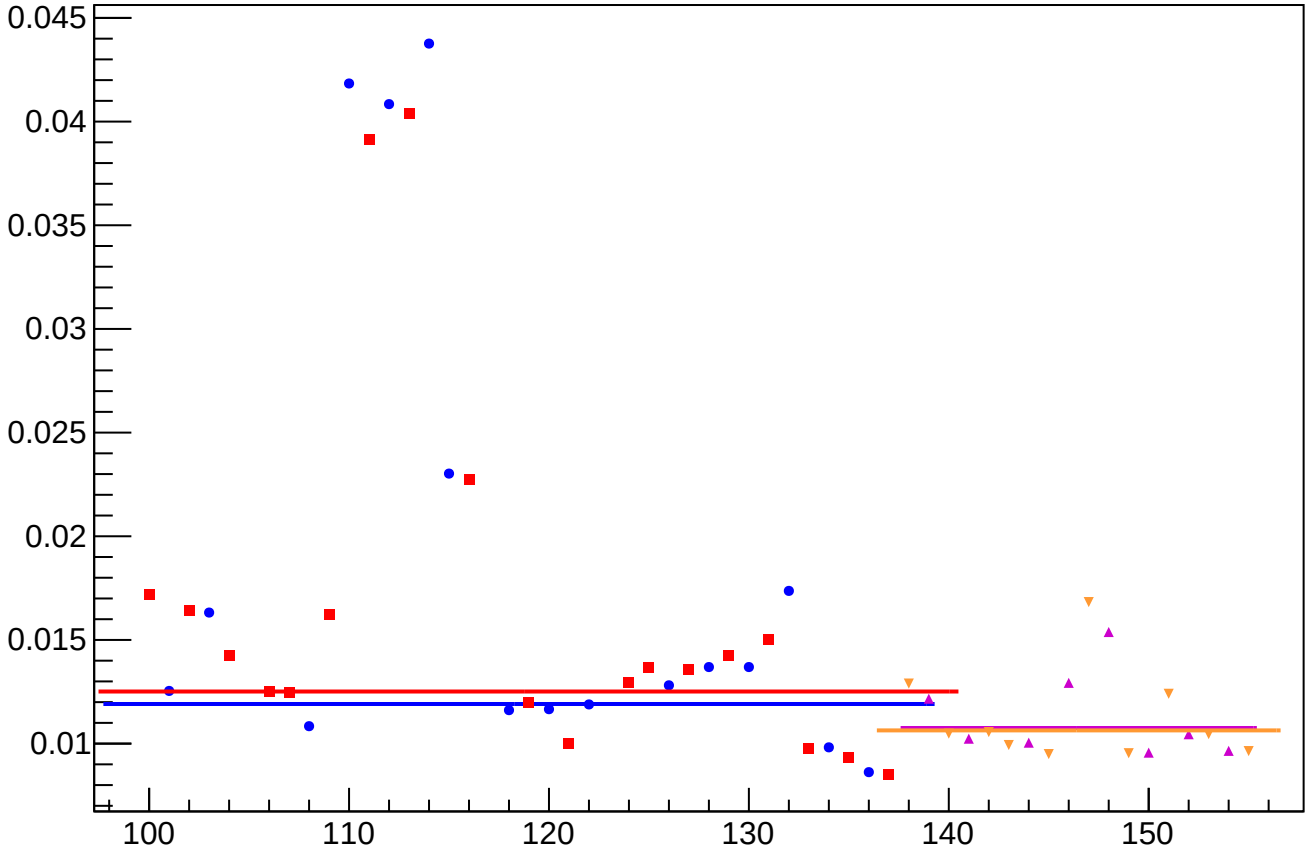
Left In: 0.019+/-0.000 χ^2/NDF:1499587.5/7

+ sign 0.105+/-0.000 χ^2/NDF: 7823528347.1/25

All: 0.115+/-0.000 χ^2/NDF: 16197100486.7/5

- sign 0.126+/-0.000 χ^2/NDF: 8352428901.1/26

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:364118.1/9

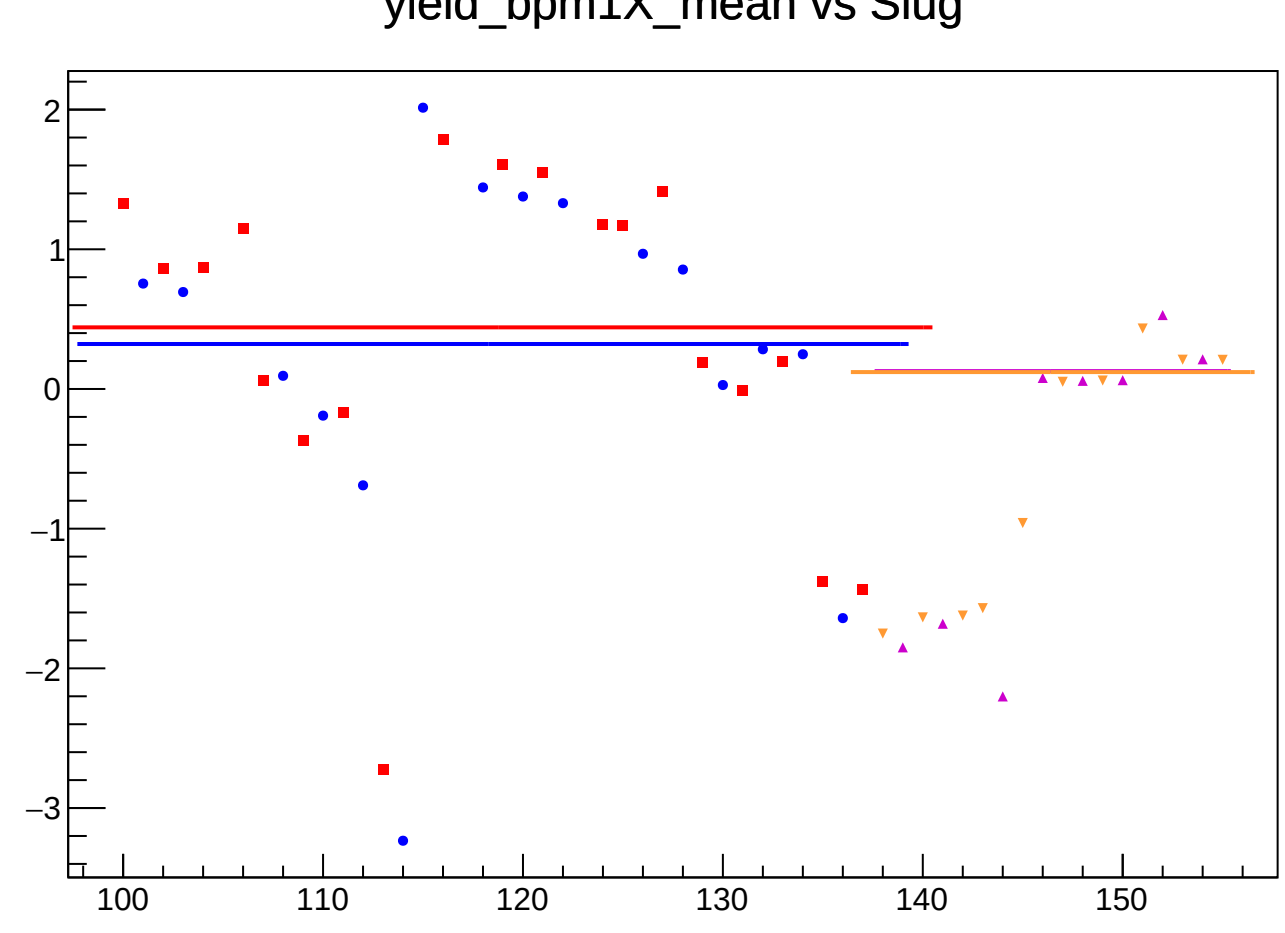
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:277420.0/7

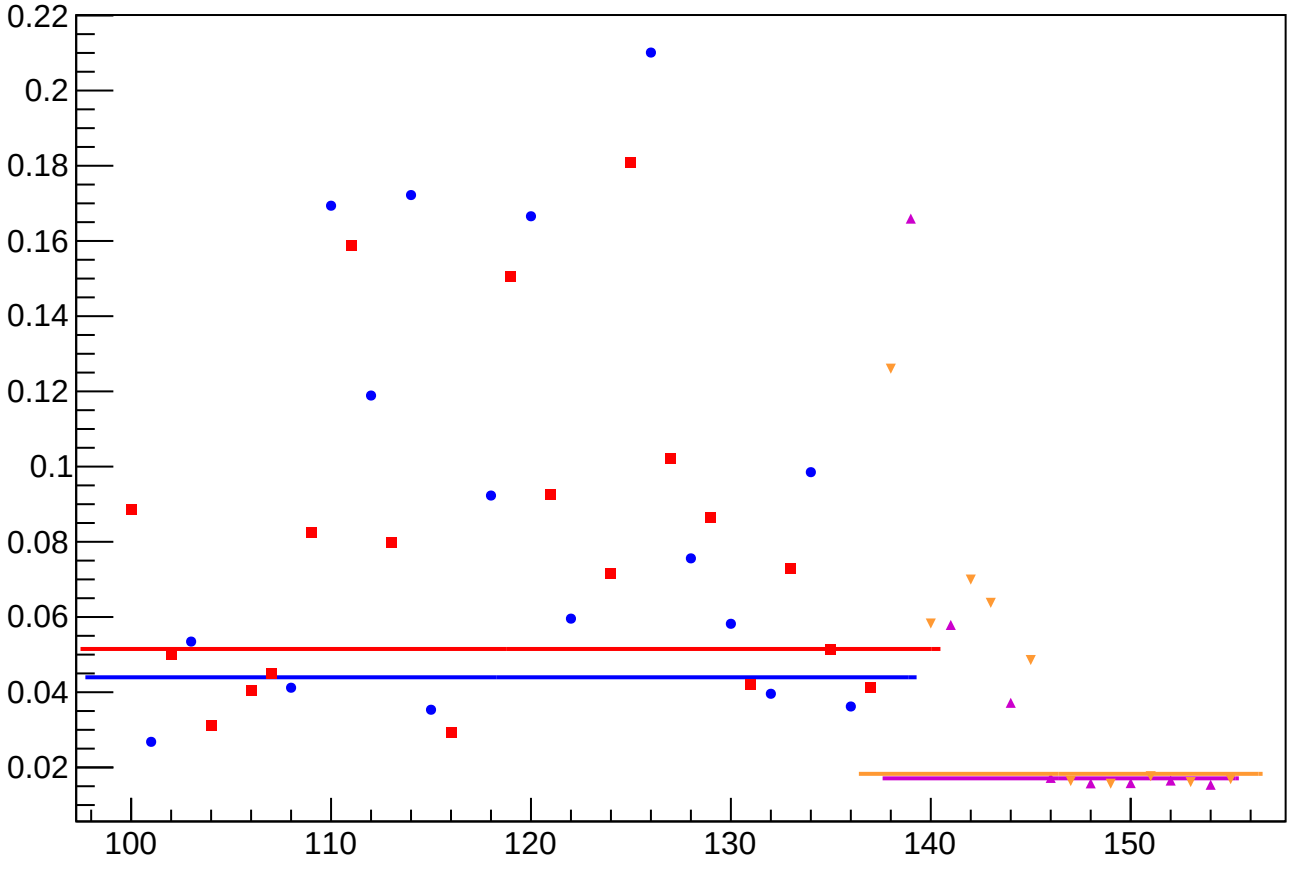
+ sign 0.011+/-0.000 χ^2/NDF: 1906171.7/25

All: 0.011+/-0.000 χ^2/NDF: 3730871.5/52

- sign 0.011+/-0.000 χ^2/NDF: 1813651.3/26


yield_bpm1X_mean vs Slug
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.322+/-0.000 χ²/NDF: 1664983742.5/15
Left Out: 0.121+/-0.000 χ²/NDF:1590499656.0/9
Right Out: 0.441+/-0.000 χ²/NDF: 1796703168.4/18
Left In: 0.128+/-0.000 χ²/NDF:2307689677.6/7
+ sign 0.146+/-0.000 χ²/NDF: 3325625398.6/25
All: 0.153+/-0.000 χ²/NDF: 7576664166.6/52
- sign 0.160+/-0.000 χ²/NDF: 4249554451.4/26

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:2642614.0/9

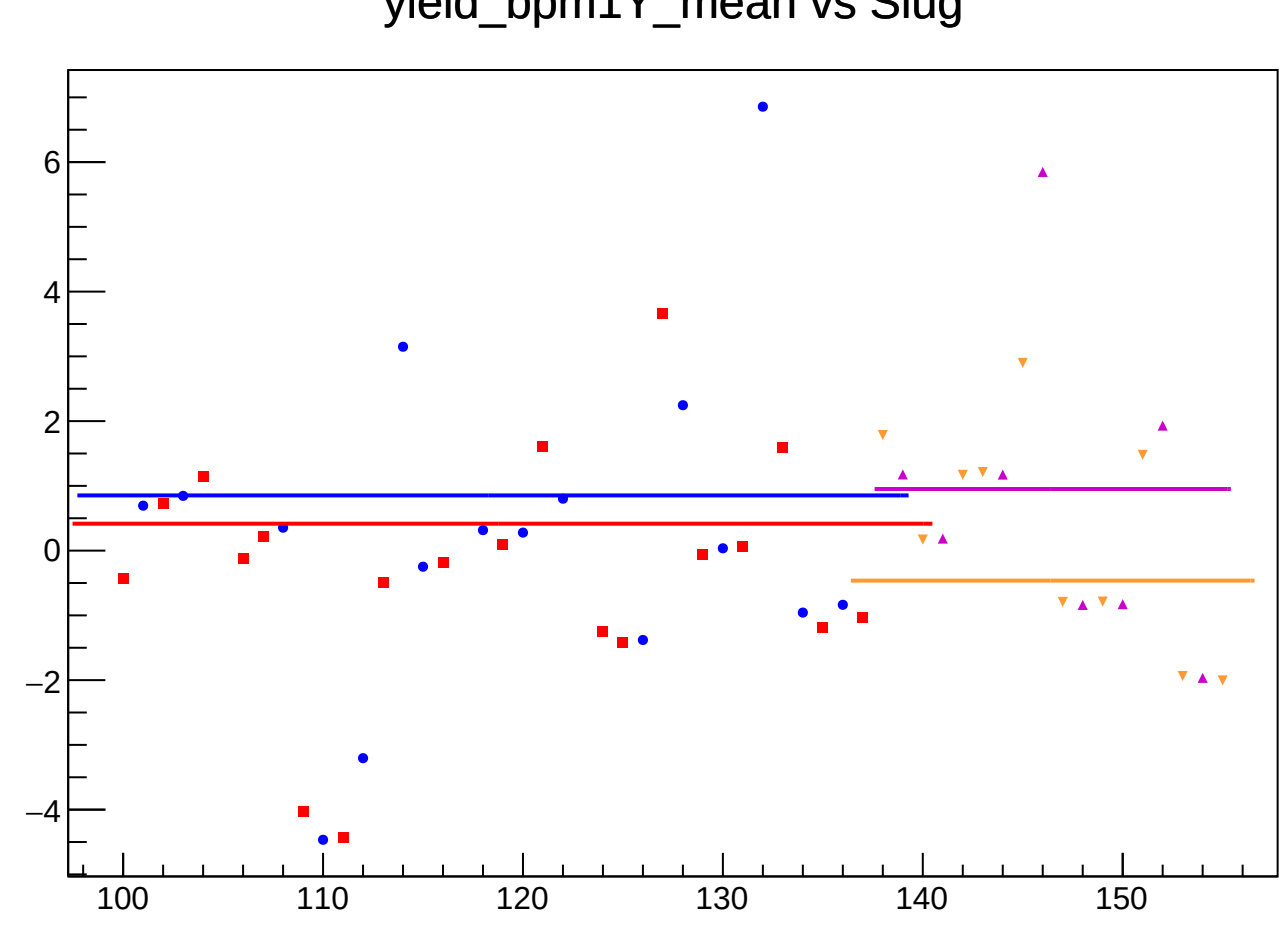
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.017+/-0.000 χ^2/NDF:1949342.4/7

+ sign 0.021+/-0.000 χ^2/NDF: 7720877.1/25

All: 0.021+/-0.000 χ^2/NDF: 15553998.6/52

- sign 0.021+/-0.000 χ^2/NDF: 7819600.7/26



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.463+/-0.000 χ^2/NDF:71816550806.5/9

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

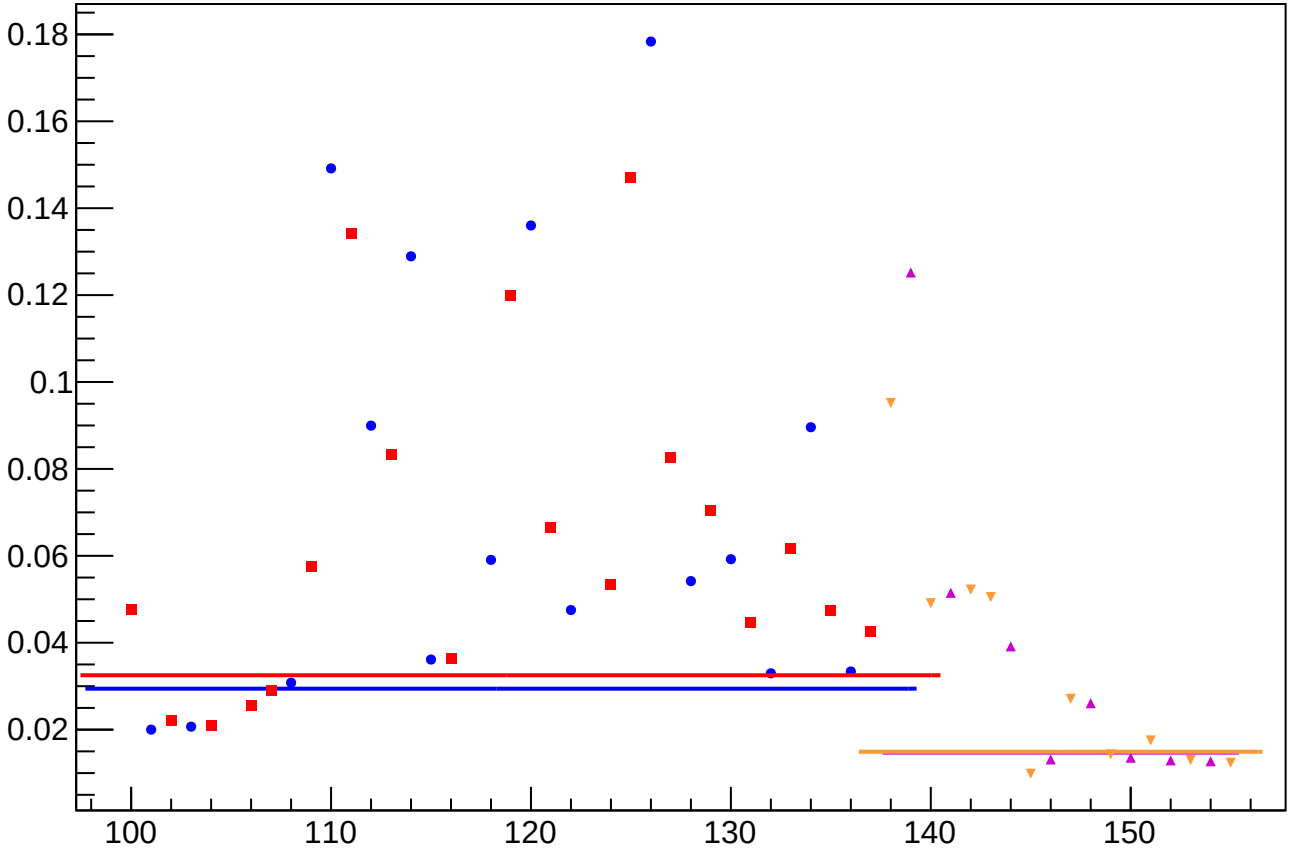
Left In: 0.952+/-0.000 χ^2/NDF:174359234788.7/7

+ sign -0.246+/-0.000 χ^2/NDF: 89545010372.4/25

All: 0.304+/-0.000 χ^2/NDF: 285741975189.4

- sign 0.868+/-0.000 χ^2/NDF: 180427502580.7/26

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.015+/-0.000 χ^2/NDF:2733749.4/9

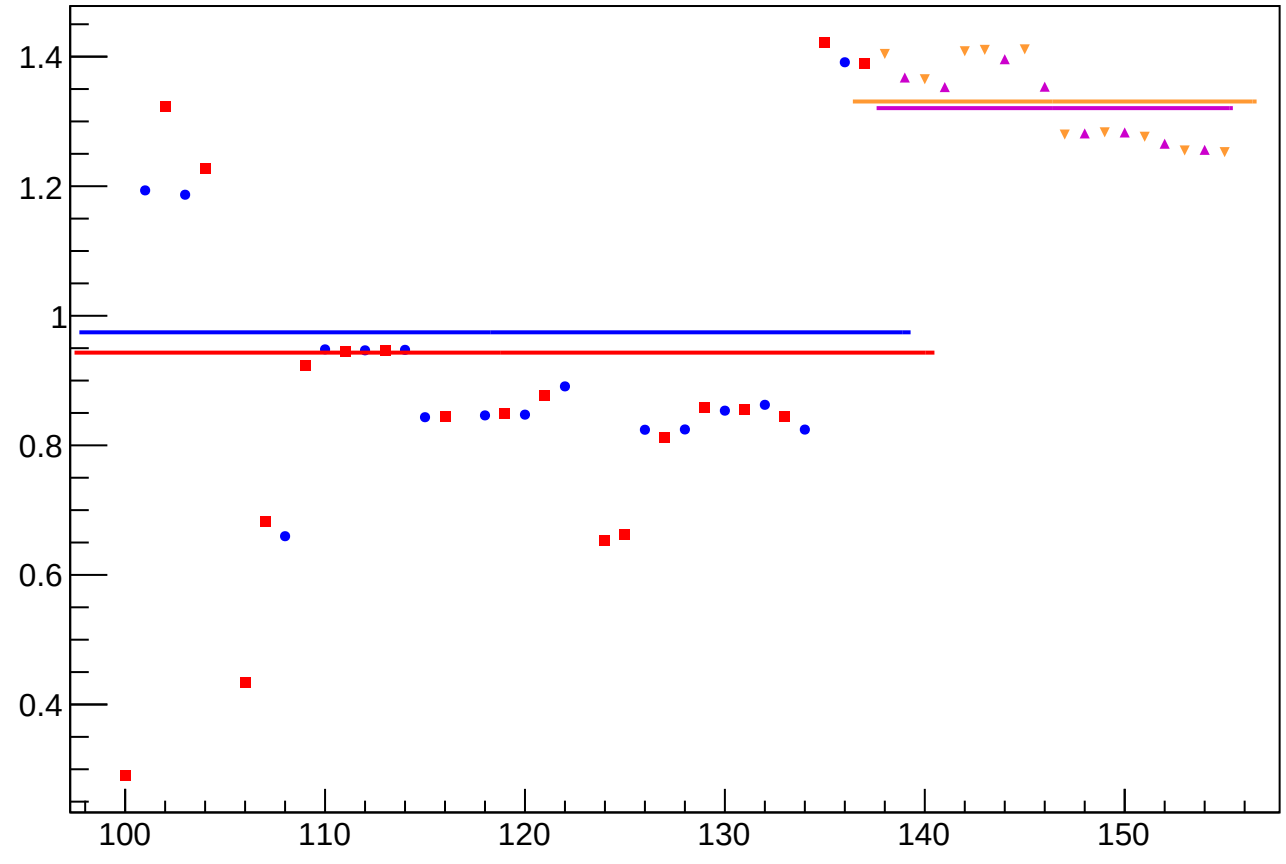
Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.015+/-0.000 χ^2/NDF:2430429.4/7

+ sign 0.017+/-0.000 χ^2/NDF: 7423360.5/25

All: 0.017+/-0.000 χ^2/NDF: 15260834.1/52

- sign 0.017+/-0.000 χ^2/NDF: 7836840.9/26



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.331+/-0.000 χ^2/NDF:176434026.2/9

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

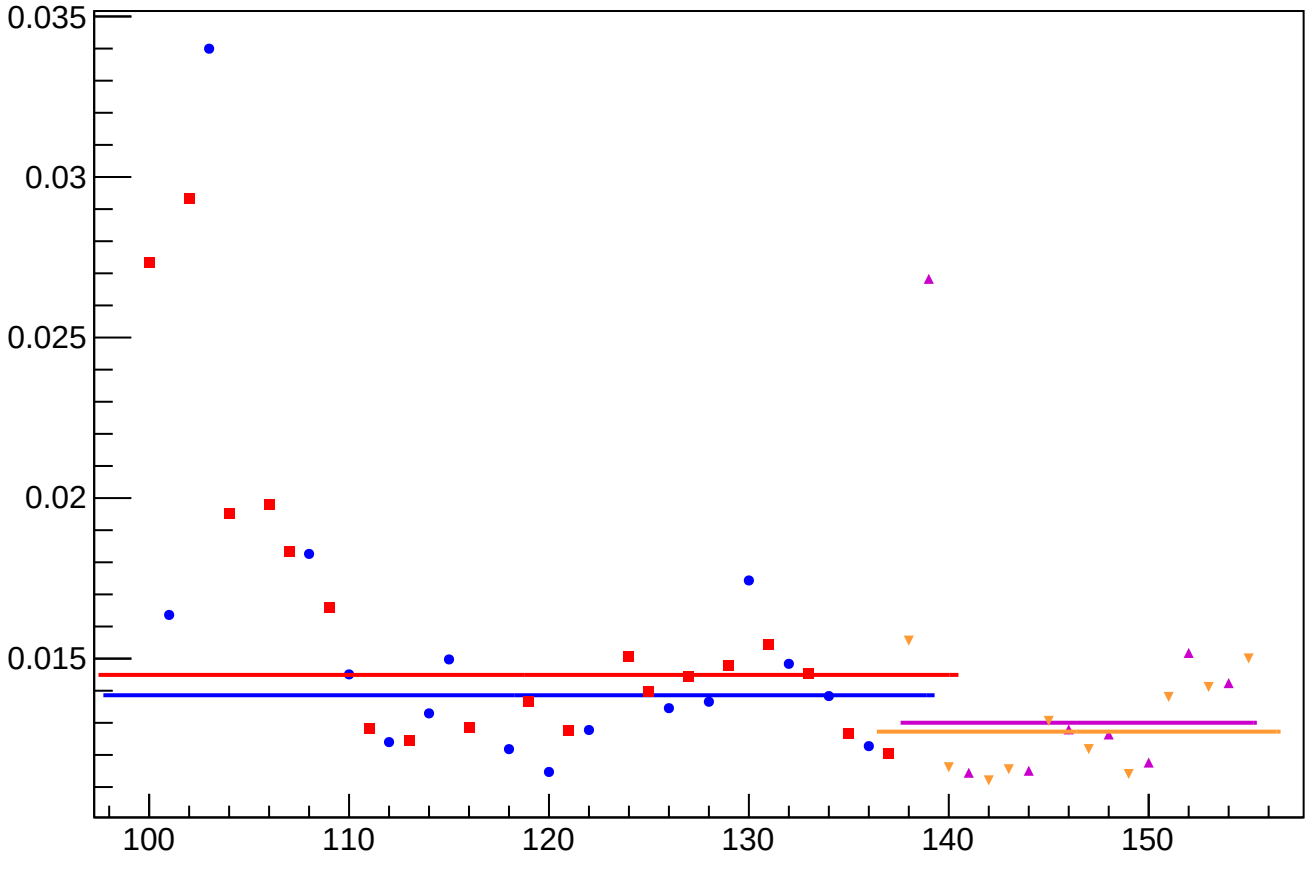
Left In: 1.321+/-0.000 χ^2/NDF:90699240.3/7

+ sign 1.175+/-0.000 χ^2/NDF: 3945972338.2/25

All: 1.162+/-0.000 χ^2/NDF: 8081141720.9/52

- sign 1.147+/-0.000 χ^2/NDF: 4107588960.6/26

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:164975.4/9

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

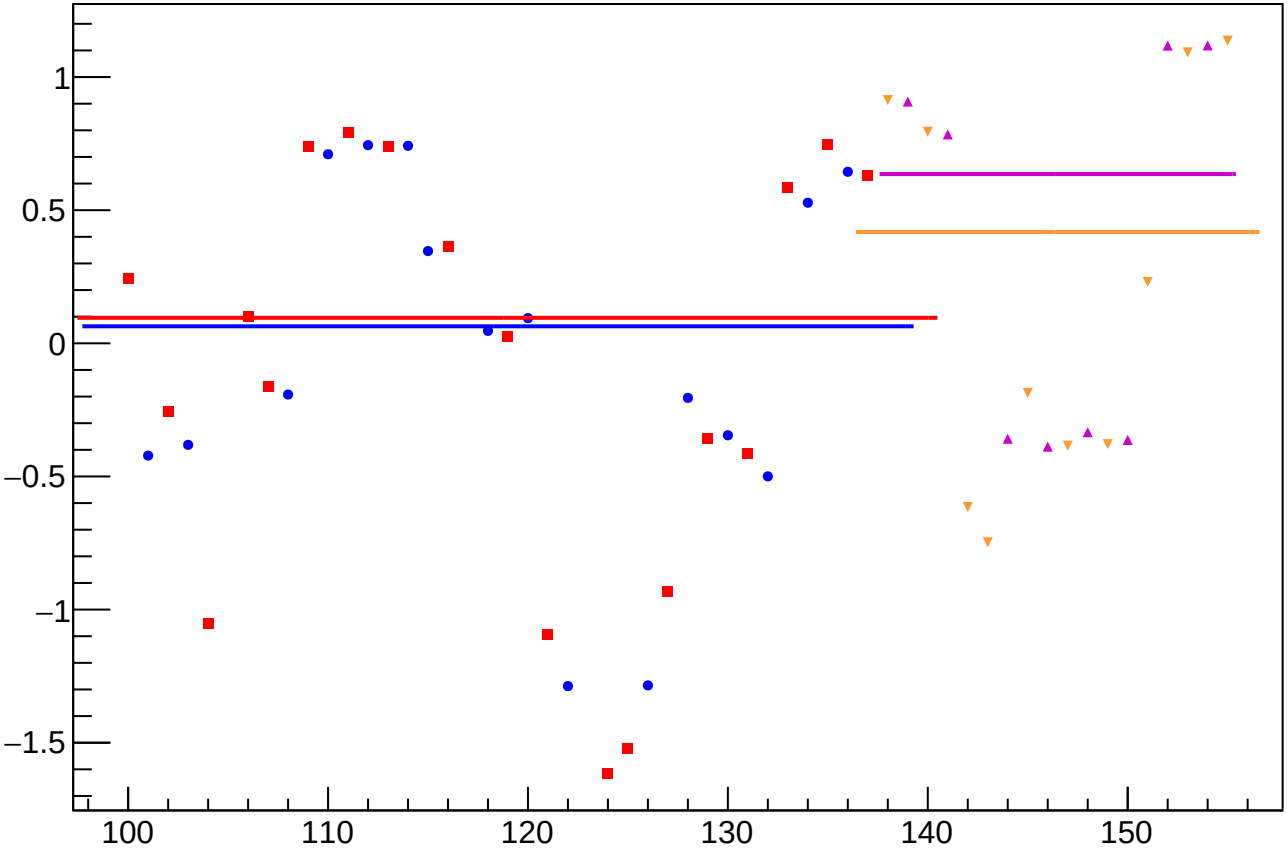
Left In: 0.013+/-0.000 χ^2/NDF:549161.0/7

+ sign 0.013+/-0.000 χ^2/NDF: 811709.0/25

All: 0.013+/-0.000 χ^2/NDF: 1993620.8/52

- sign 0.014+/-0.000 χ^2/NDF: 1166651.2/26

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.418+/-0.000 χ^2/NDF:24139899510.4/9

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

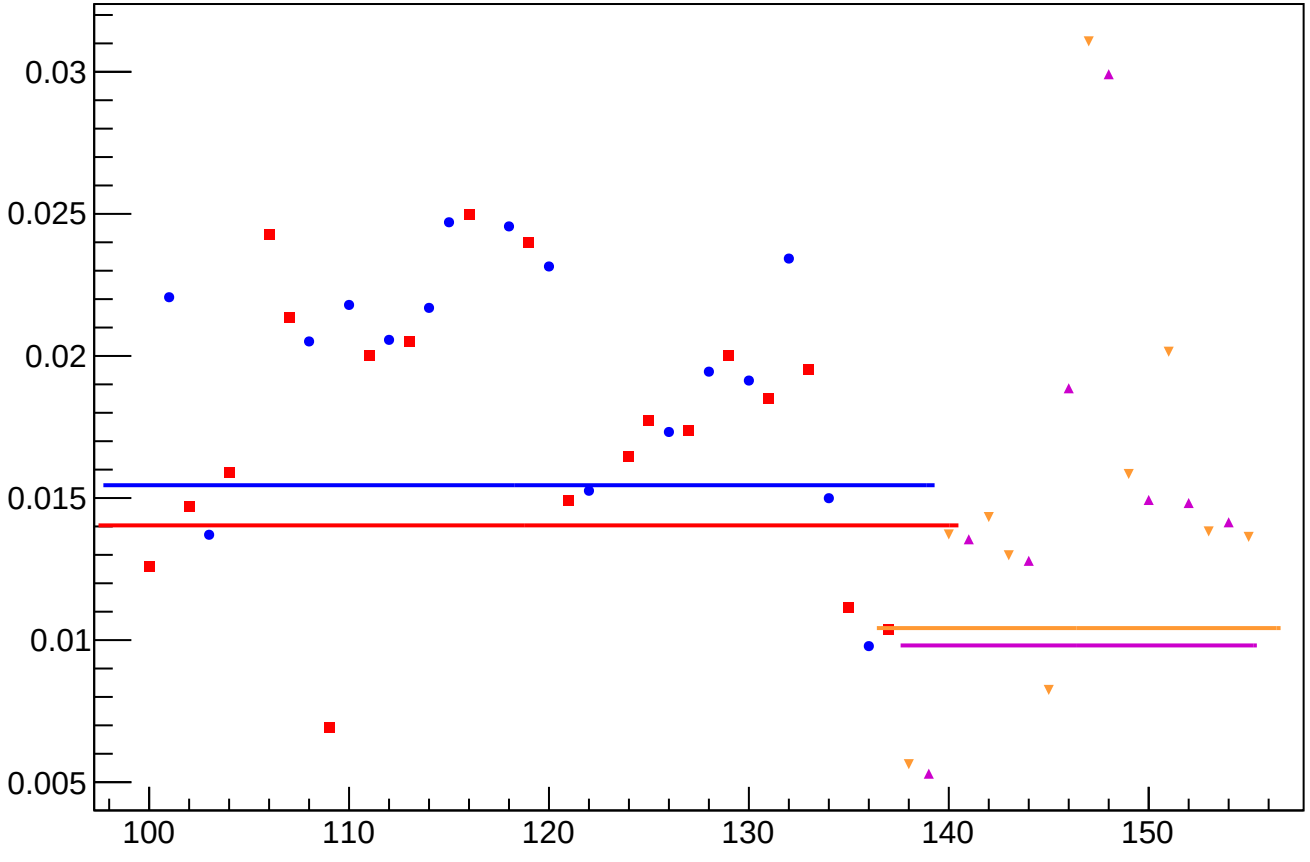
Left In: 0.636+/-0.000 χ^2/NDF:16398080475.6/7

+ sign 0.306+/-0.000 χ^2/NDF: 37335630151.2/25

All: 0.375+/-0.000 χ^2/NDF: 77839291449.9/5

- sign 0.442+/-0.000 χ^2/NDF: 39755259617.3/26

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2623740.0/9

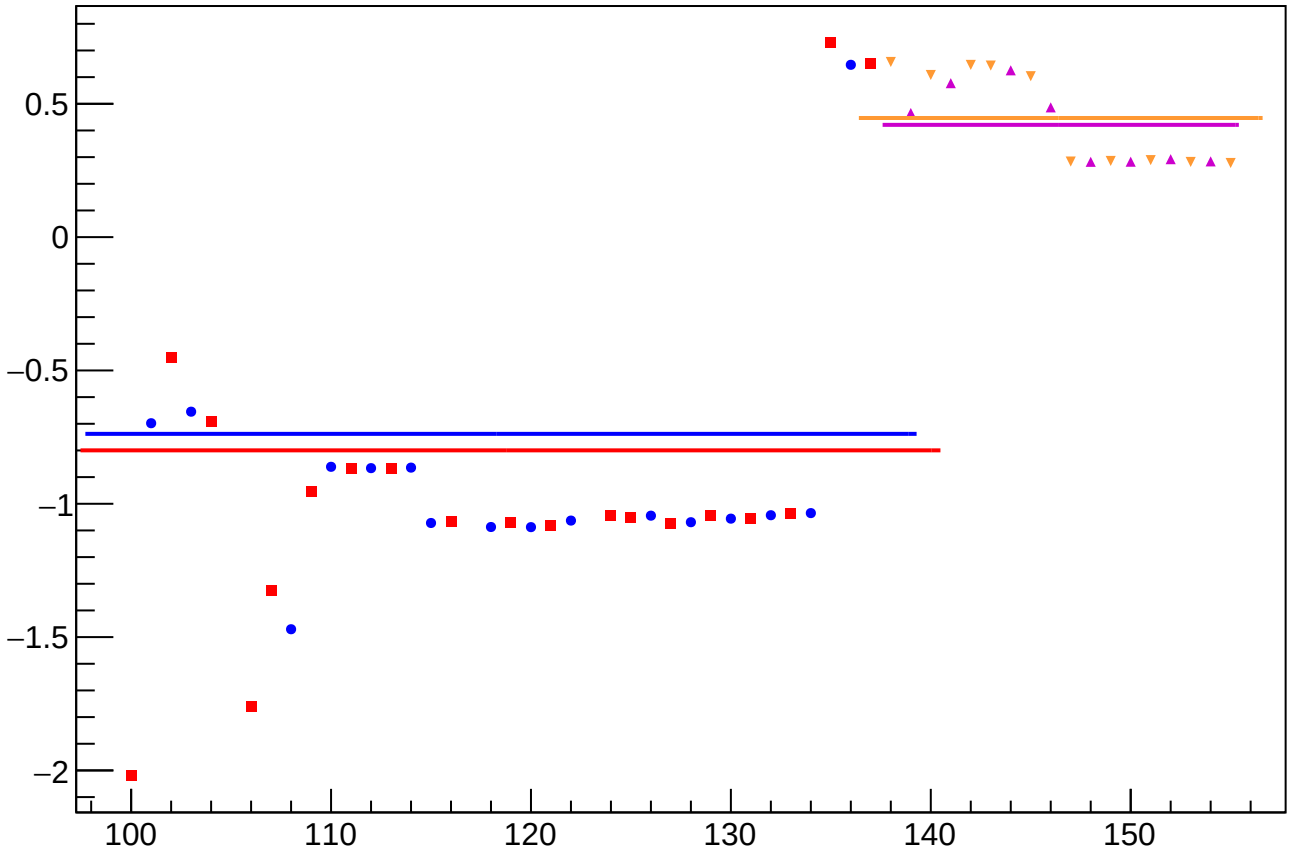
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.010+/-0.000 χ^2/NDF:3002512.8/7

+ sign 0.012+/-0.000 χ^2/NDF: 4787731.2/25

All: 0.012+/-0.000 χ^2/NDF: 10197519.1/52

- sign 0.011+/-0.000 χ^2/NDF: 5371896.7/26



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.447+/-0.000 χ^2/NDF:188276275.5/9

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

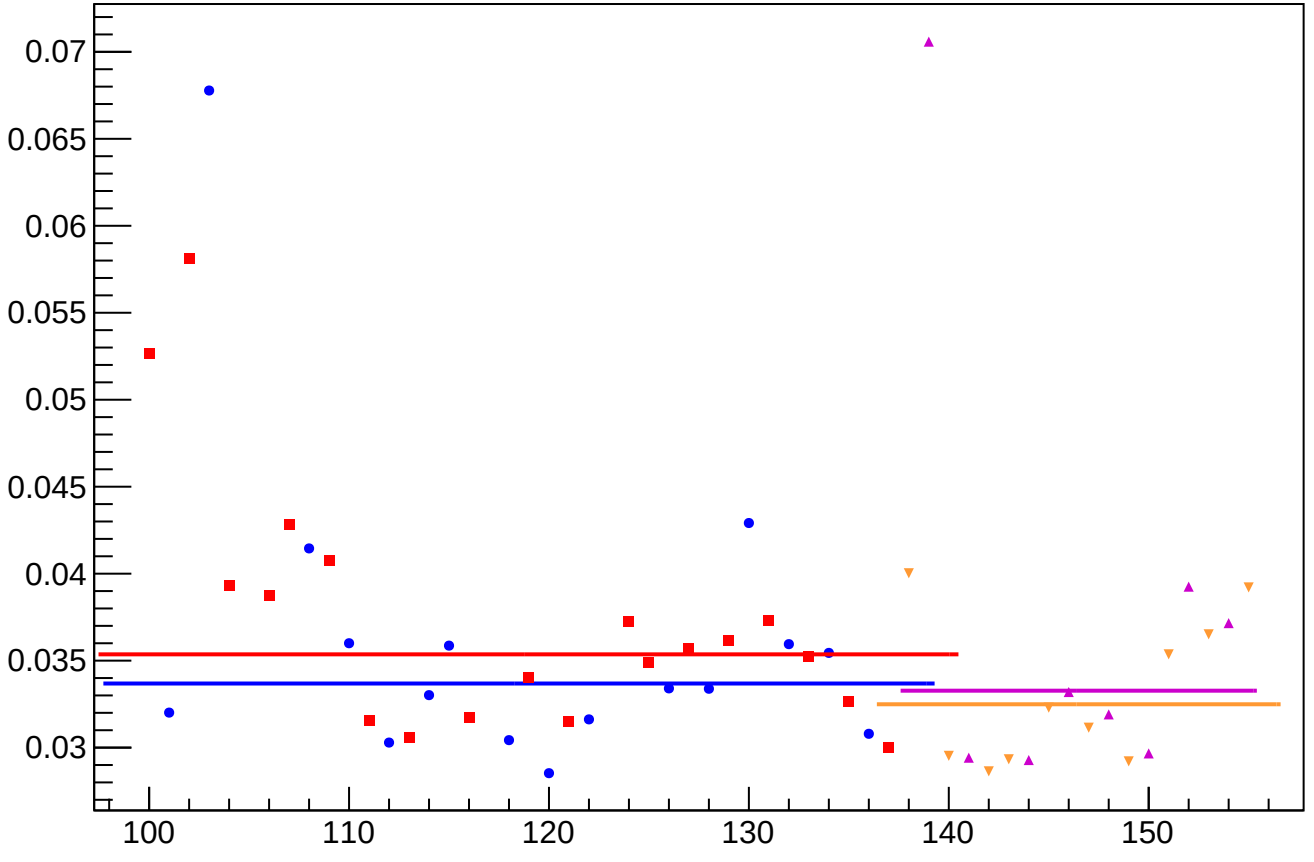
Left In: 0.421+/-0.000 χ^2/NDF:114512936.8/7

+ sign -0.107+/-0.000 χ^2/NDF: 6413315525.3/25

All: -0.139+/-0.000 χ^2/NDF: 12383896143.0/

- sign -0.175+/-0.000 χ^2/NDF: 5944848459.6/26

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.032+/-0.000 χ^2/NDF:181934.5/9

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

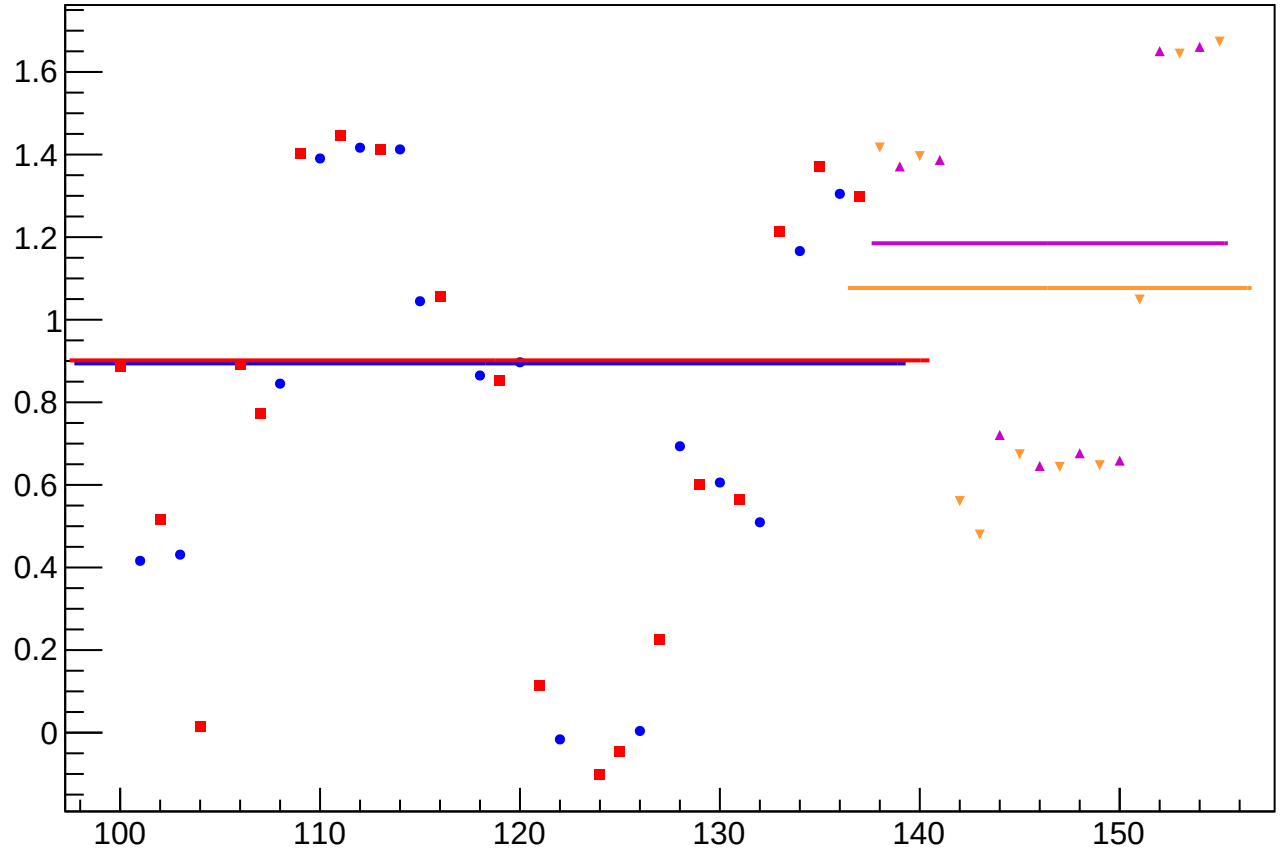
Left In: 0.033+/-0.000 χ^2/NDF:587683.6/7

+ sign 0.033+/-0.000 χ^2/NDF: 610589.3/25

All: 0.034+/-0.000 χ^2/NDF: 1535057.1/52

- sign 0.034+/-0.000 χ^2/NDF: 907162.8/26

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.077+/-0.000 χ^2/NDF:18030937340.3/9

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

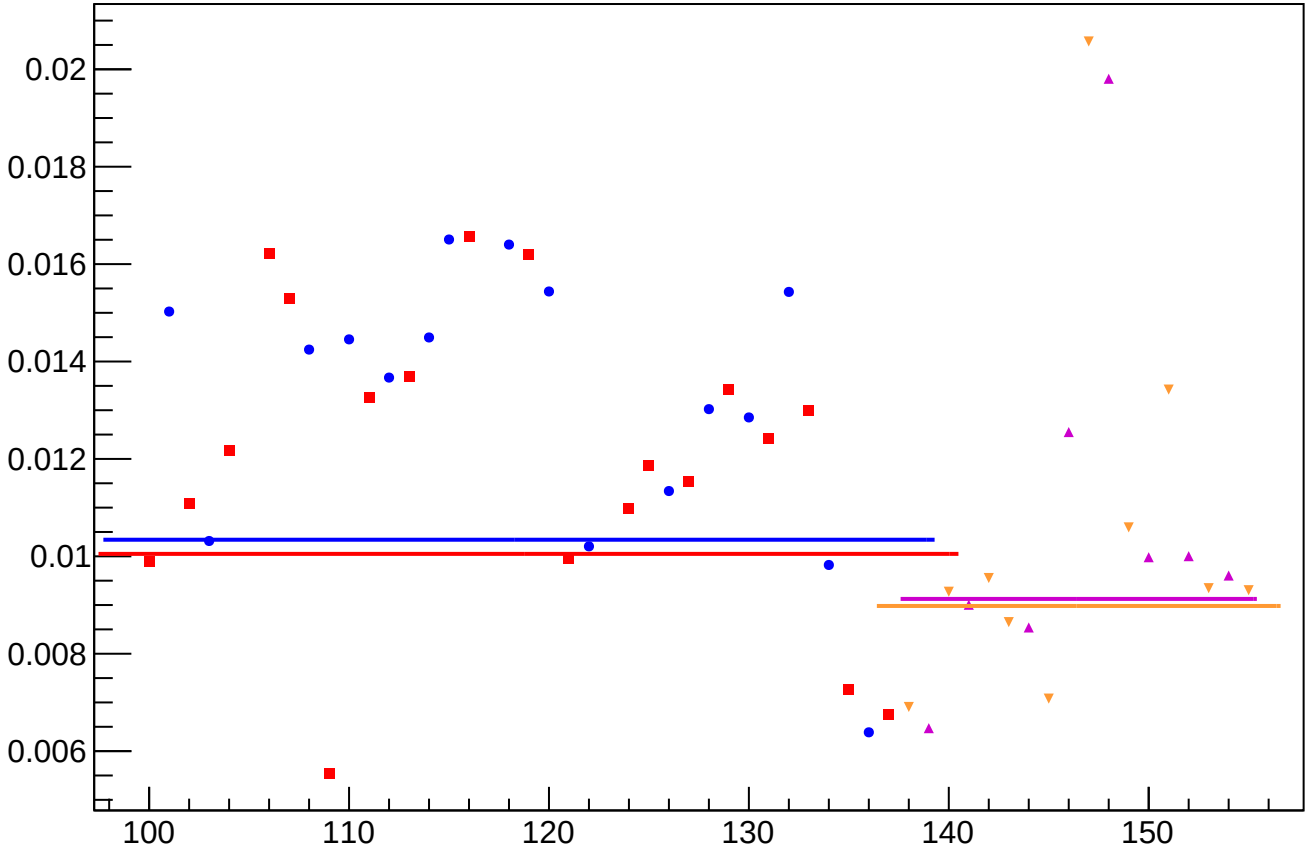
Left In: 1.185+/-0.000 χ^2/NDF:11988973156.5/7

+ sign 1.005+/-0.000 χ^2/NDF: 31909800743.3/25

All: 1.031+/-0.000 χ^2/NDF: 64663931134.2/5

- sign 1.058+/-0.000 χ^2/NDF: 32559760717.3/26

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:961088.4/9

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

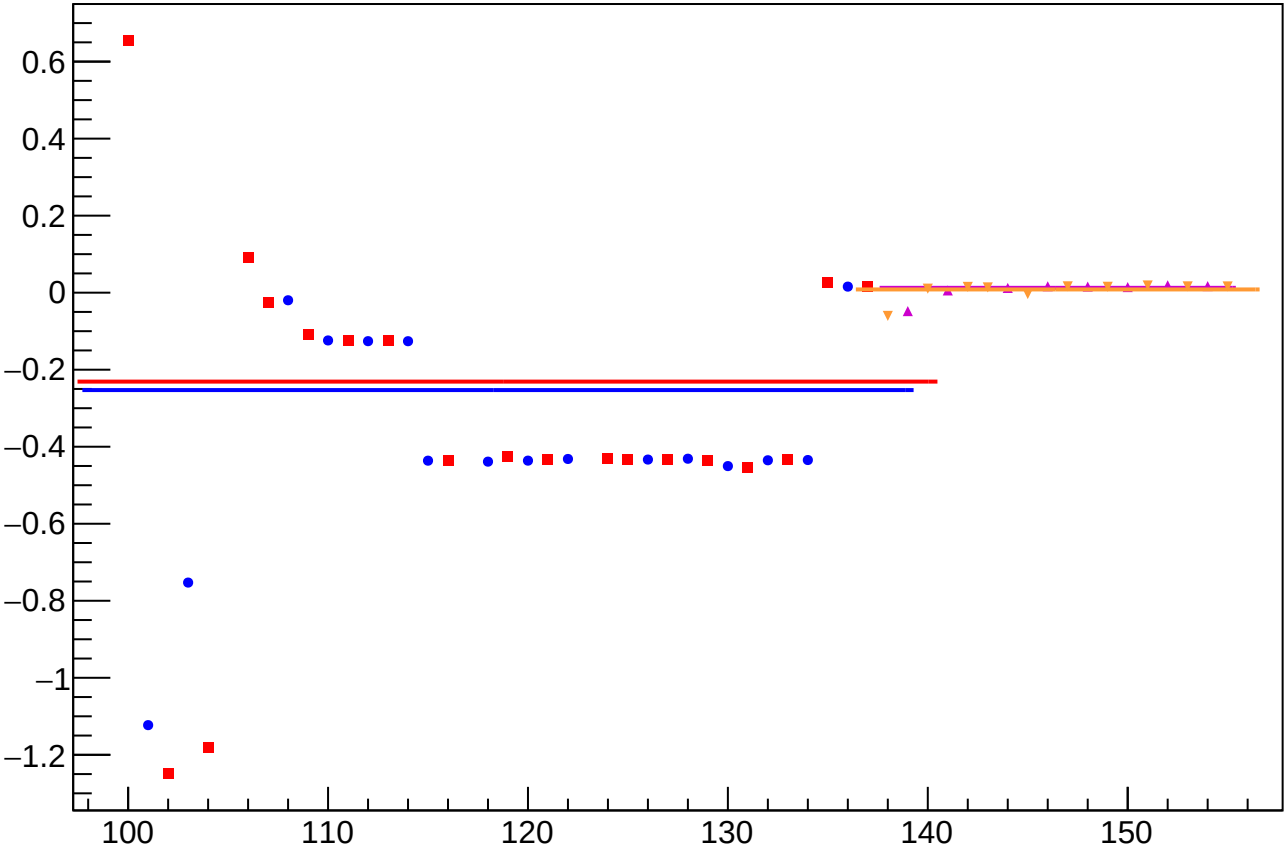
Left In: 0.009+/-0.000 χ^2/NDF:875391.8/7

+ sign 0.010+/-0.000 χ^2/NDF: 2436853.9/25

All: 0.010+/-0.000 χ^2/NDF: 4706139.5/52

- sign 0.010+/-0.000 χ^2/NDF: 2269202.4/26

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:20962191.1/9

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

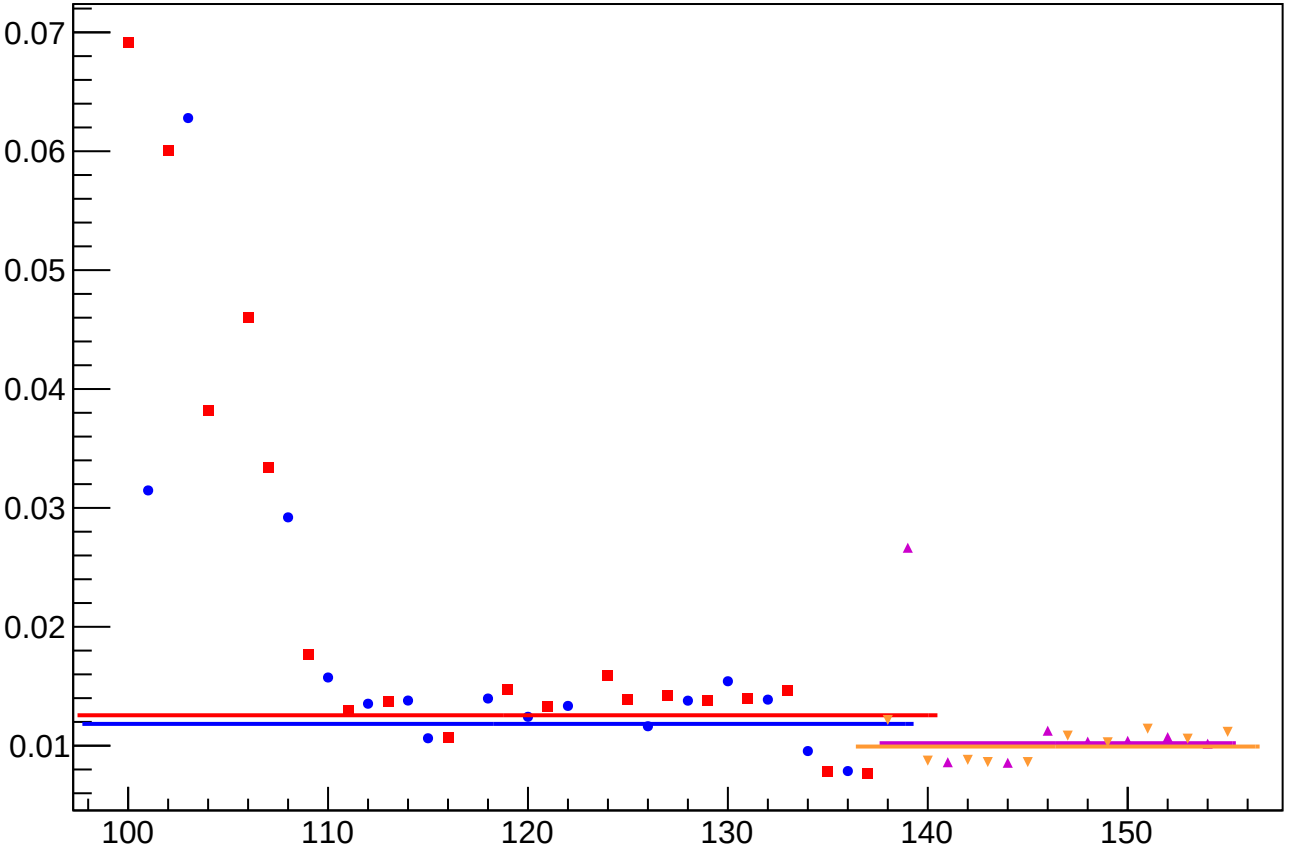
Left In: 0.013+/-0.000 χ^2/NDF:5311455.7/7

+ sign -0.085+/-0.000 χ^2/NDF: 3603772238.0/25

All: -0.082+/-0.000 χ^2/NDF: 6597247530.7/5

- sign -0.079+/-0.000 χ^2/NDF: 2991575925.1/26

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:187704.8/9

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

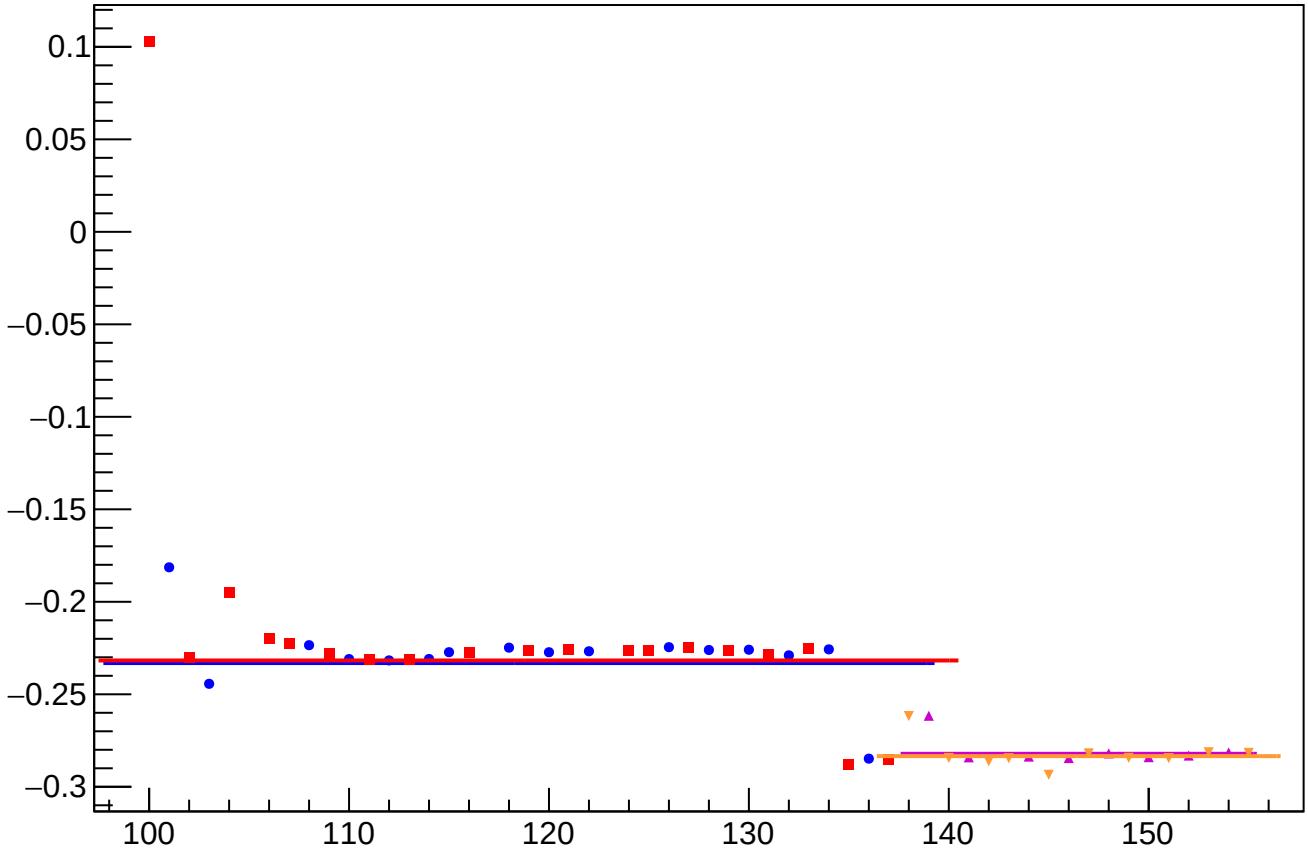
Left In: 0.010+/-0.000 χ^2/NDF:748748.4/7

+ sign 0.011+/-0.000 χ^2/NDF: 2295928.9/25

All: 0.011+/-0.000 χ^2/NDF: 5502470.1/52

- sign 0.011+/-0.000 χ^2/NDF: 3185455.6/26

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:14746389.7/9

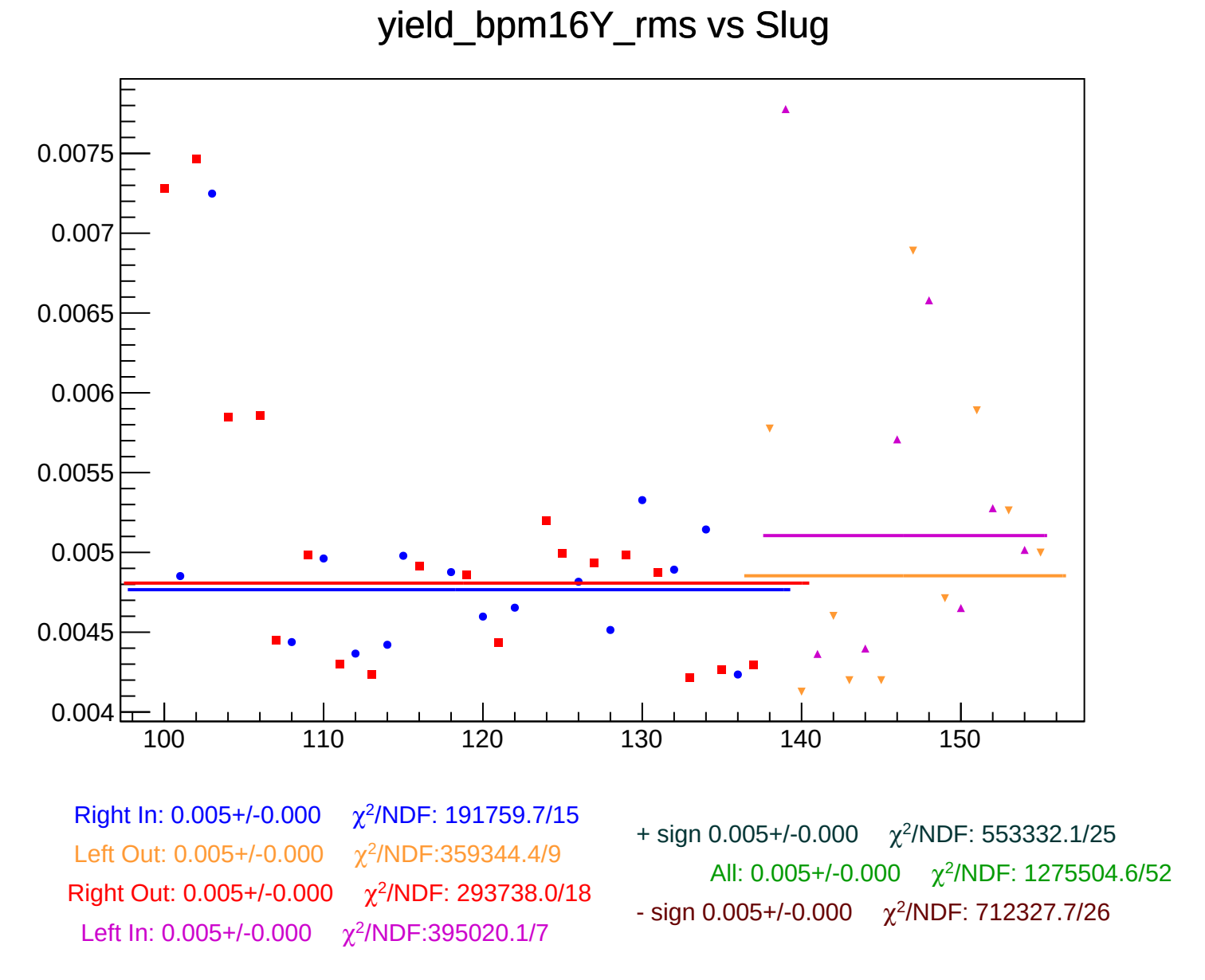
Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

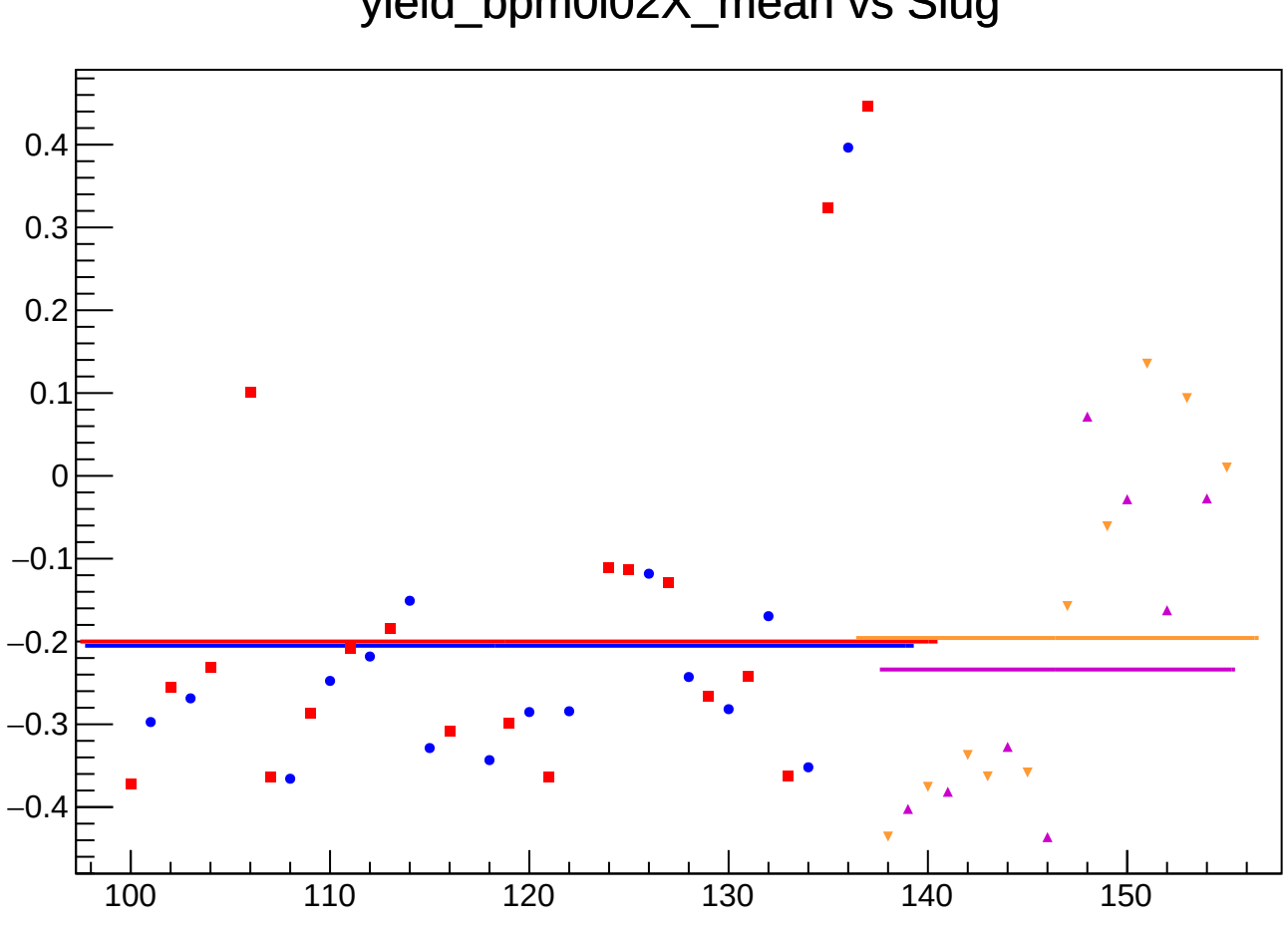
Left In: -0.282+/-0.000 χ^2/NDF:6157963.2/7

+ sign -0.259+/-0.000 χ^2/NDF: 584776695.5/25

All: -0.257+/-0.000 χ^2/NDF: 1221608686.1/5

- sign -0.255+/-0.000 χ^2/NDF: 631692798.1/26


yield_bpm16Y_rms vs Slug
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
100
110
120
130
140
150
Right In: 0.005+/-0.000 χ²/NDF: 191759.7/15
Left Out: 0.005+/-0.000 χ²/NDF:359344.4/9
Right Out: 0.005+/-0.000 χ²/NDF: 293738.0/18
Left In: 0.005+/-0.000 χ²/NDF:395020.1/7
+ sign 0.005+/-0.000 χ²/NDF: 553332.1/25
All: 0.005+/-0.000 χ²/NDF: 1275504.6/52
- sign 0.005+/-0.000 χ²/NDF: 712327.7/26



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.196+/-0.000 χ^2/NDF:10745023786.9/9

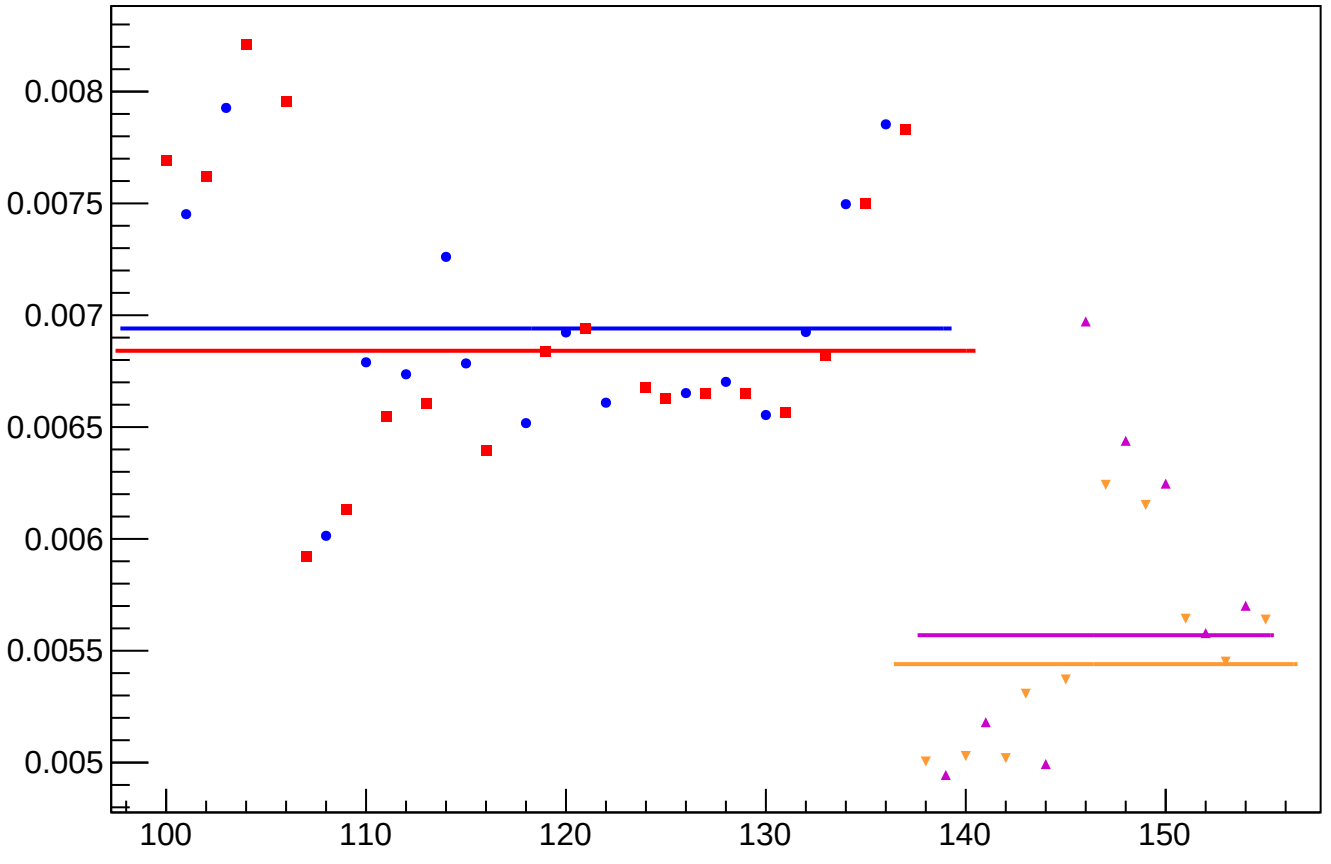
Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.234+/-0.000 χ^2/NDF:6224052756.6/7

+ sign -0.199+/-0.000 χ^2/NDF: 16942247024.2/25

All: -0.209+/-0.000 χ^2/NDF: 28591039625.7/

- sign -0.219+/-0.000 χ^2/NDF: 11574252612.5/26



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:76750.0/9

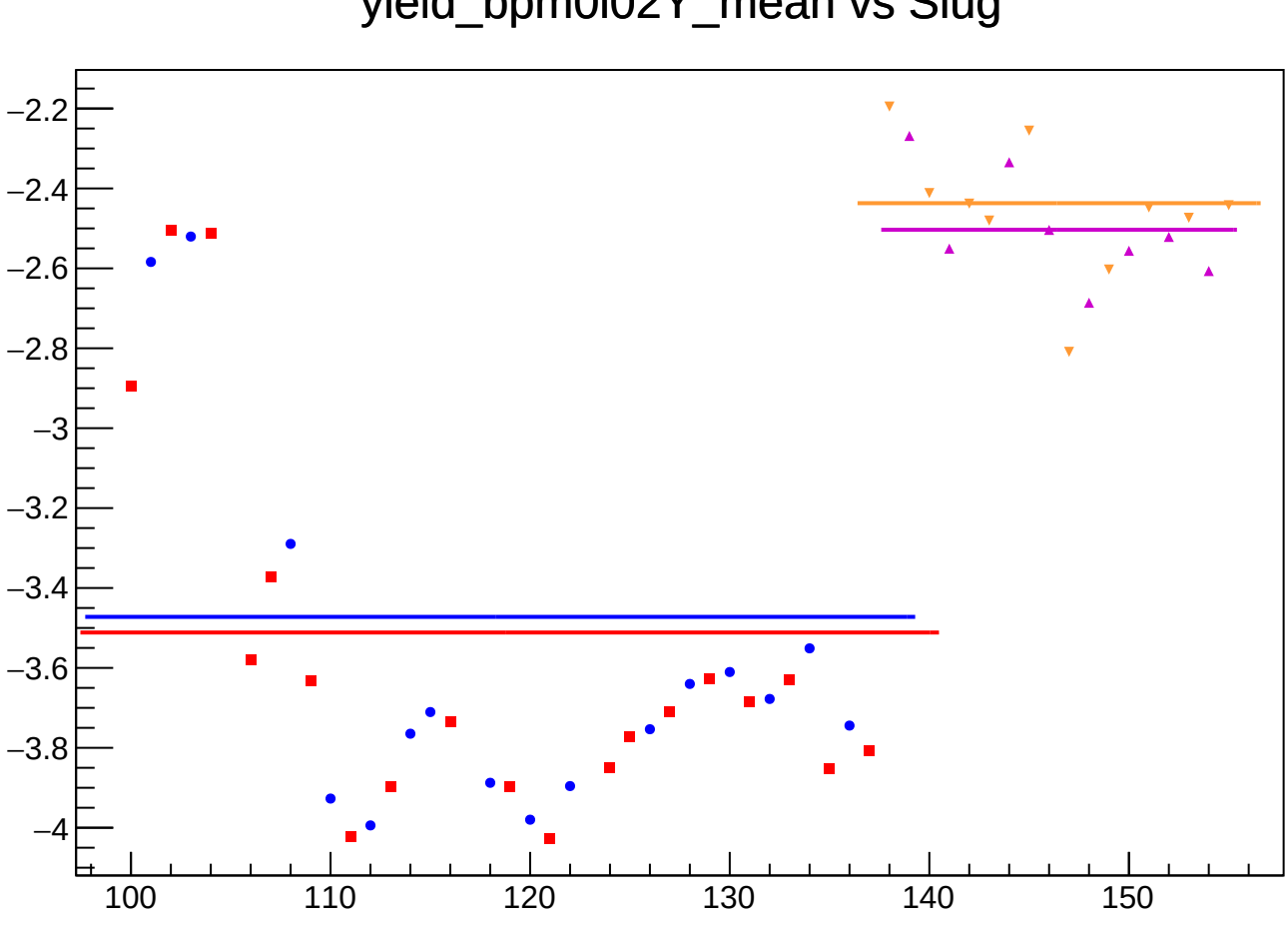
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:161989.5/7

+ sign 0.006+/-0.000 χ^2/NDF: 573399.1/25

All: 0.006+/-0.000 χ^2/NDF: 1123704.0/52

- sign 0.006+/-0.000 χ^2/NDF: 545258.4/26



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.437+/-0.000 χ^2/NDF:1393130872.2/9

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

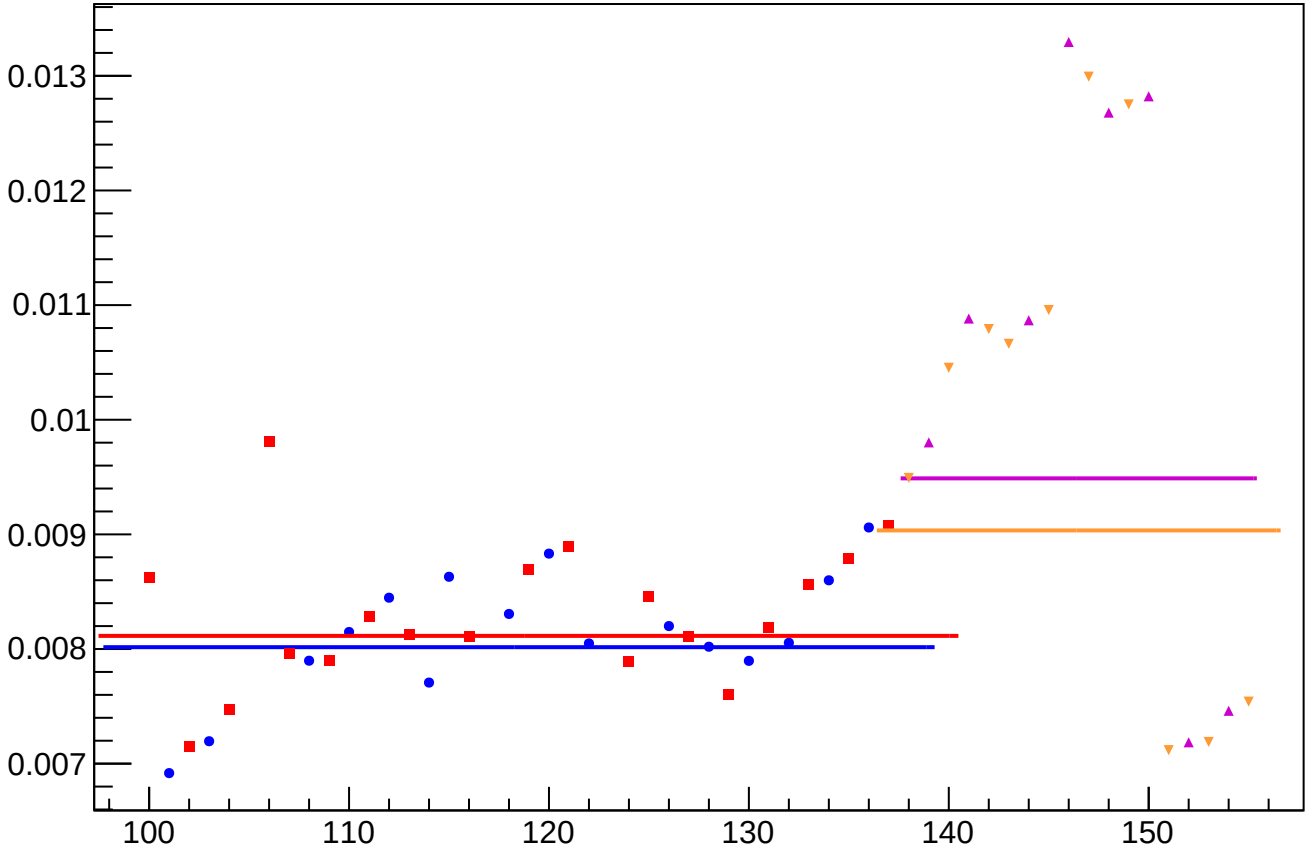
Left In: -2.503+/-0.000 χ^2/NDF:1035947847.5/7

+ sign -3.020+/-0.000 χ^2/NDF: 81848634608.2/25

All: -3.070+/-0.000 χ^2/NDF: 155831597483.8

- sign -3.123+/-0.000 χ^2/NDF: 73006600889.8/26

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:650415.5/9

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

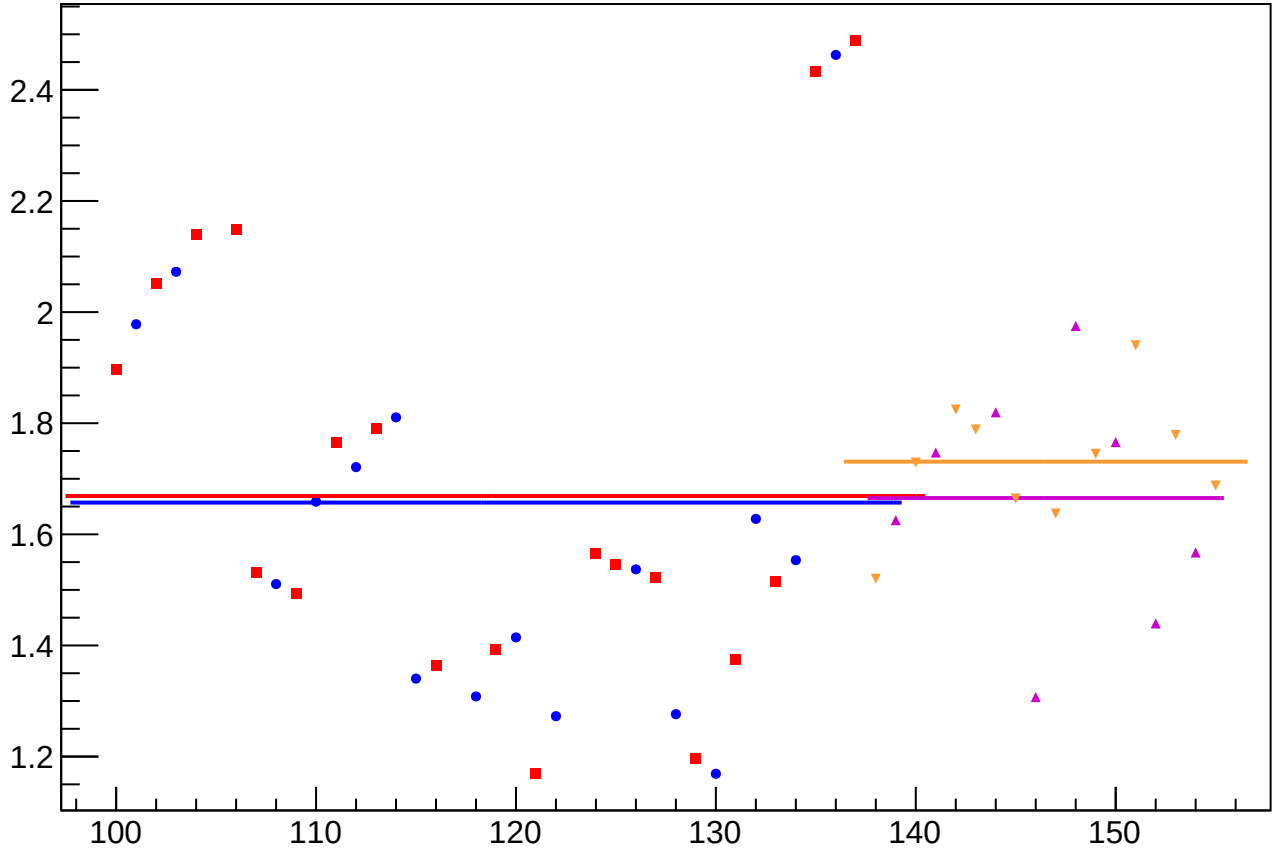
Left In: 0.009+/-0.000 χ^2/NDF:658393.8/7

+ sign 0.008+/-0.000 χ^2/NDF: 835064.6/25

All: 0.009+/-0.000 χ^2/NDF: 1727669.6/52

- sign 0.009+/-0.000 χ^2/NDF: 886451.4/26

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.731+/-0.000 χ^2/NDF:719953693.1/9

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

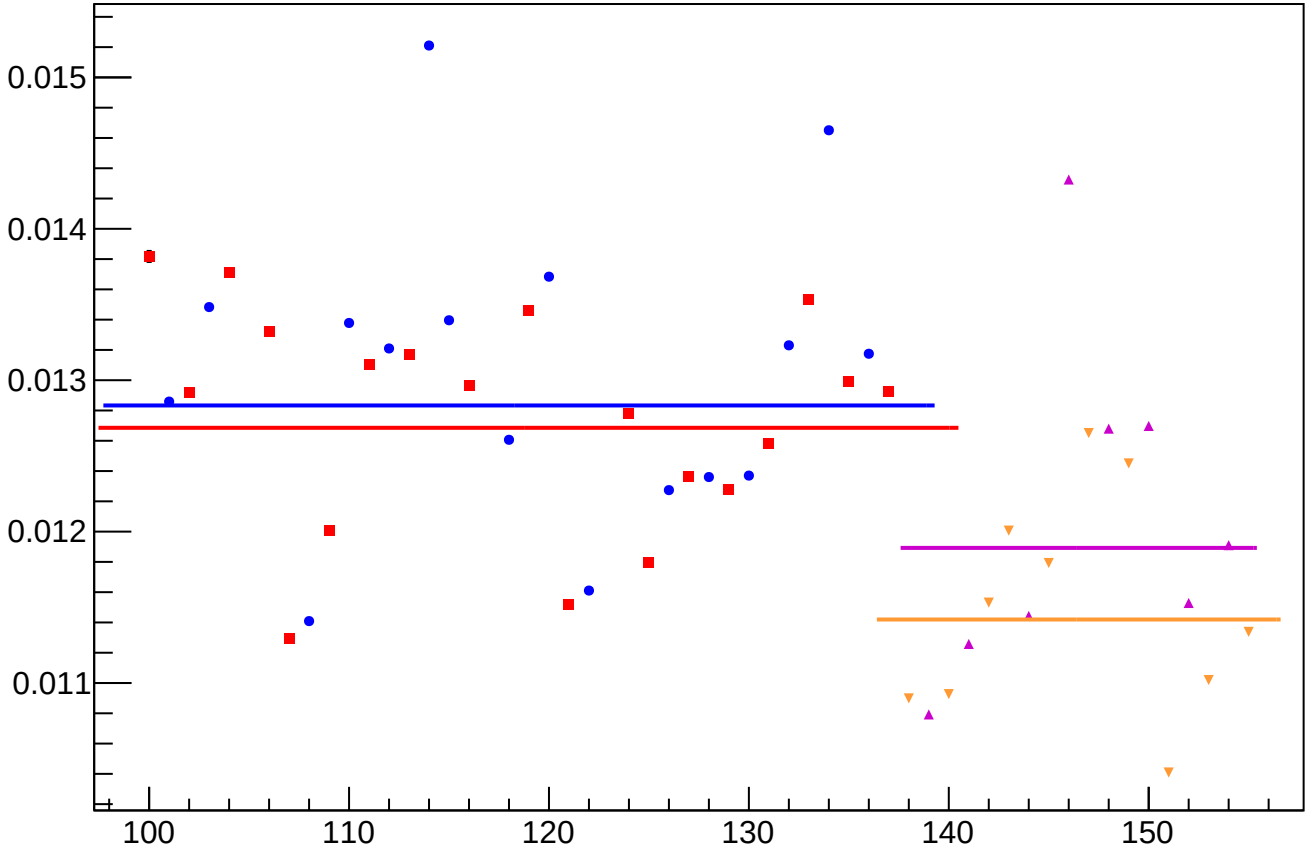
Left In: 1.665+/-0.000 χ^2/NDF:1545899374.4/7

+ sign 1.699+/-0.000 χ^2/NDF: 7517995701.4/25

All: 1.684+/-0.000 χ^2/NDF: 15470572494.7/5

- sign 1.667+/-0.000 χ^2/NDF: 7903788966.8/26

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:53417.6/9

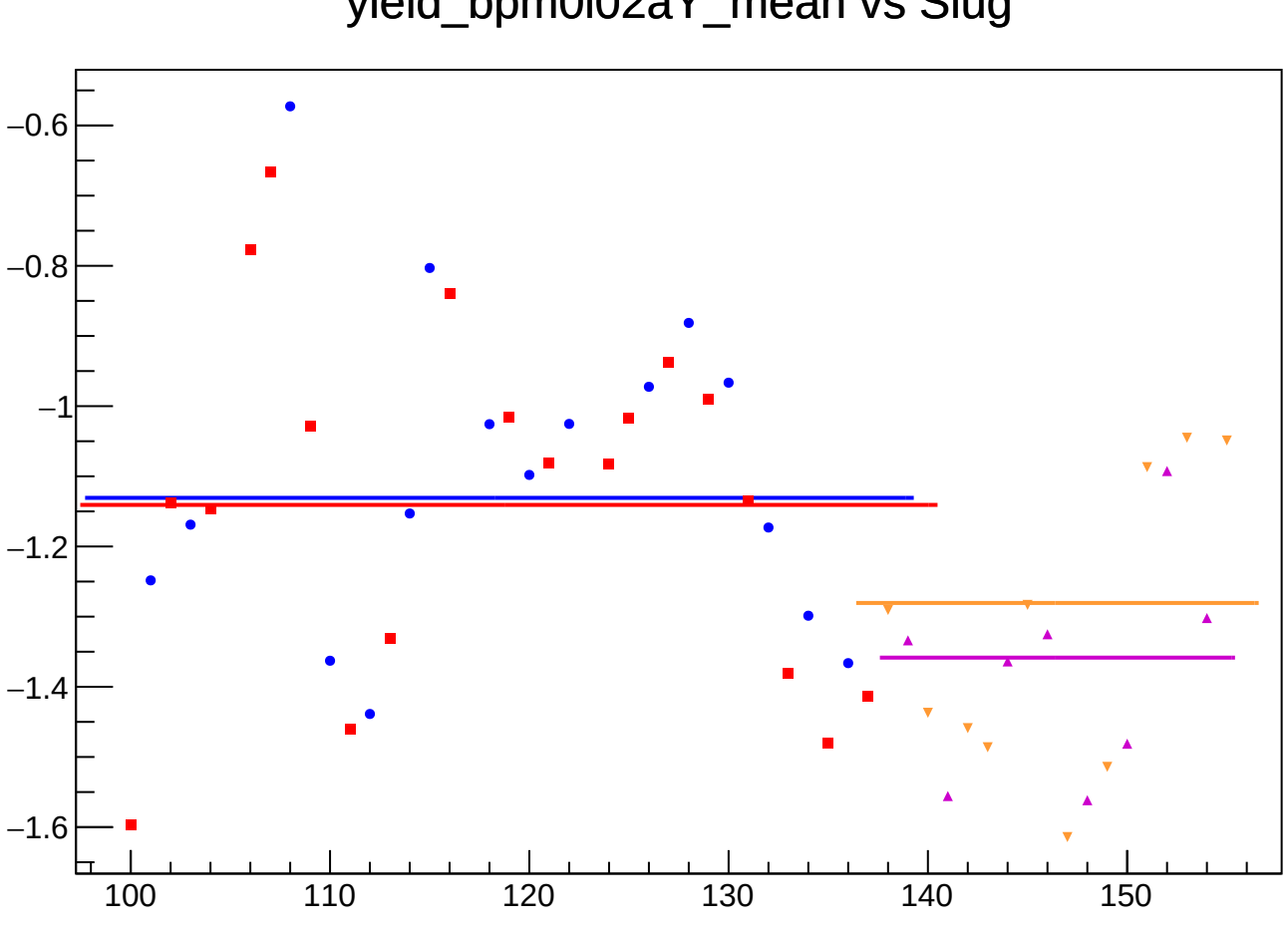
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:84451.5/7

+ sign 0.012+/-0.000 χ^2/NDF: 203102.9/25

All: 0.012+/-0.000 χ^2/NDF: 365642.1/52

- sign 0.012+/-0.000 χ^2/NDF: 156221.0/26



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.281+/-0.000 χ^2/NDF:3838978658.4/9

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

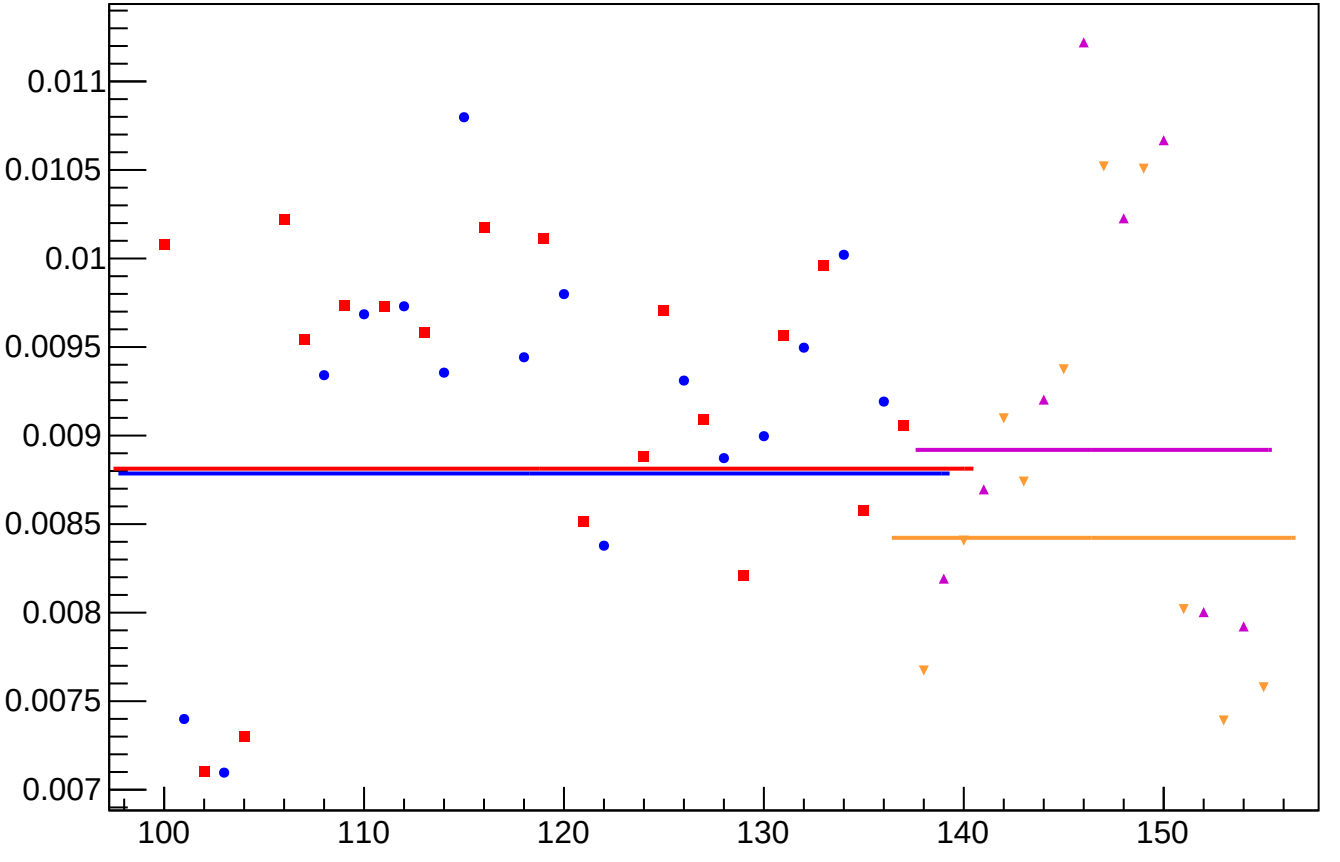
Left In: -1.358+/-0.000 χ^2/NDF:1743506184.6/7

+ sign -1.210+/-0.000 χ^2/NDF: 8677374817.0/25

All: -1.225+/-0.000 χ^2/NDF: 16042368314.4/

- sign -1.243+/-0.000 χ^2/NDF: 7268355194.3/26

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:198330.9/9

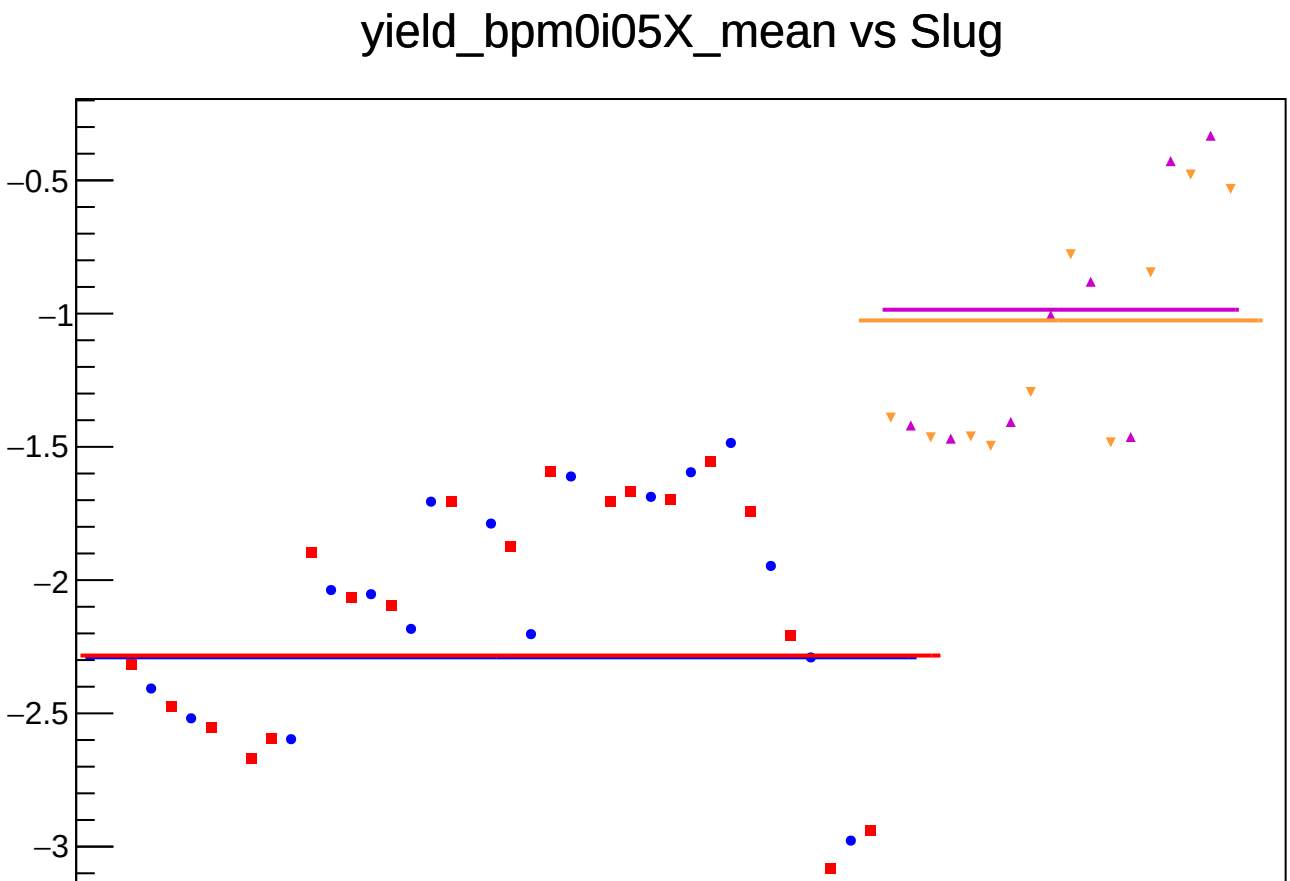
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:186155.0/7

+ sign 0.009+/-0.000 χ^2/NDF: 384140.6/25

All: 0.009+/-0.000 χ^2/NDF: 788423.3/52

- sign 0.009+/-0.000 χ^2/NDF: 391539.3/26



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.026+/-0.000 χ^2/NDF:18323203485.1/9

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

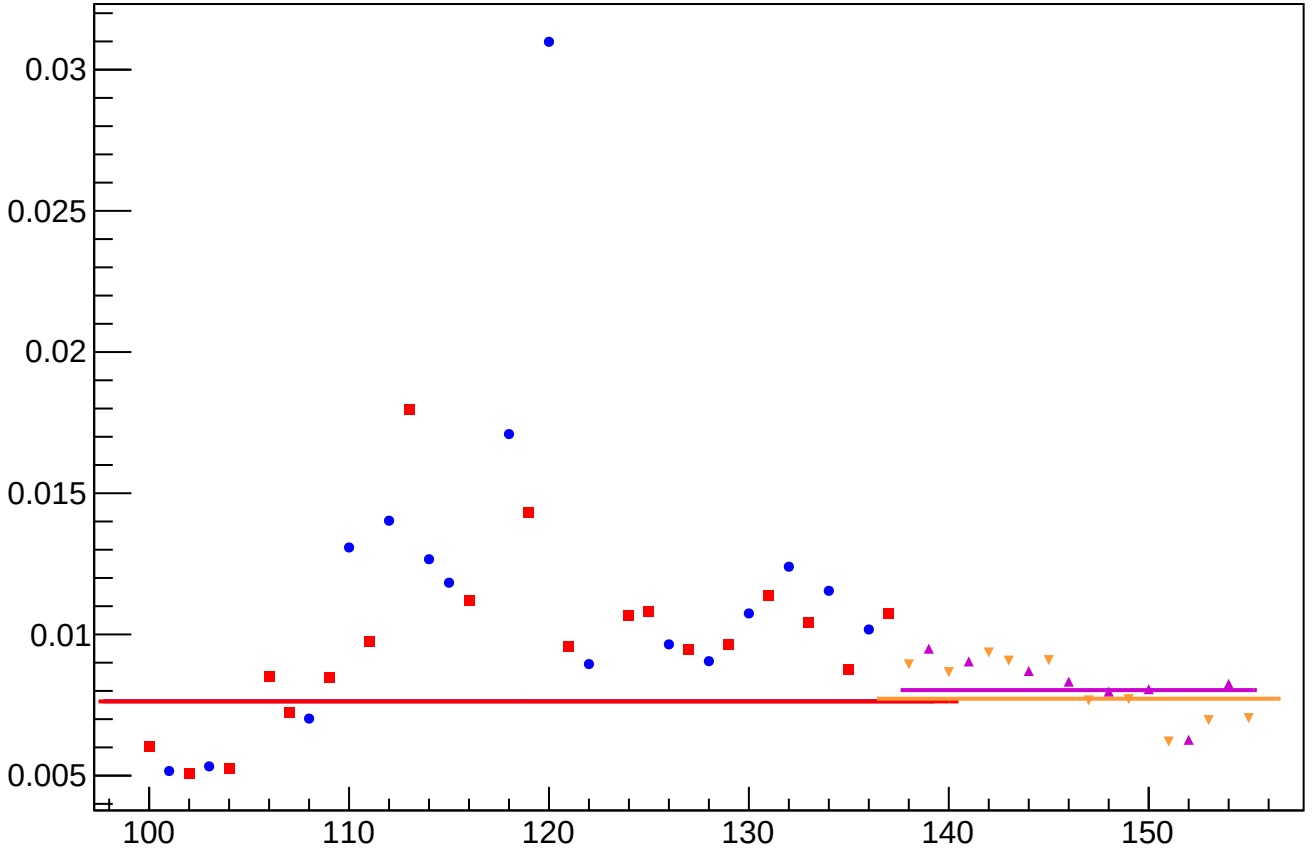
Left In: -0.985+/-0.000 χ^2/NDF:19447257729.2/7

+ sign -1.576+/-0.000 χ^2/NDF: 112243792260.8/25

All: -1.605+/-0.000 χ^2/NDF: 229240156635.2

- sign -1.634+/-0.000 χ^2/NDF: 116666473958.1/26

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:246348.8/9

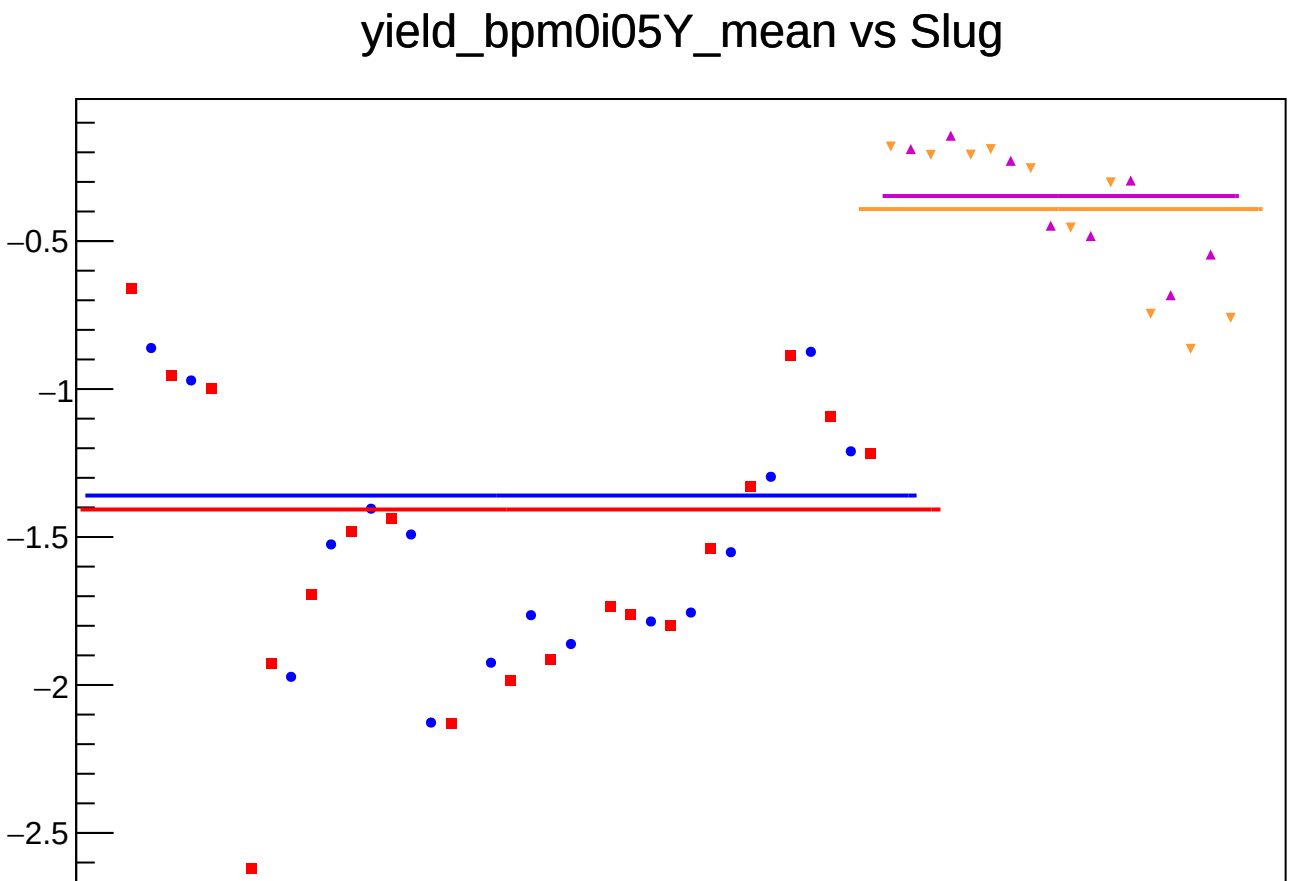
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:192661.7/7

+ sign 0.008+/-0.000 χ^2/NDF: 1957961.4/25

All: 0.008+/-0.000 χ^2/NDF: 3487786.0/52

- sign 0.008+/-0.000 χ^2/NDF: 1525766.7/26



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.392+/-0.000 χ^2/NDF:21578428476.6/9

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

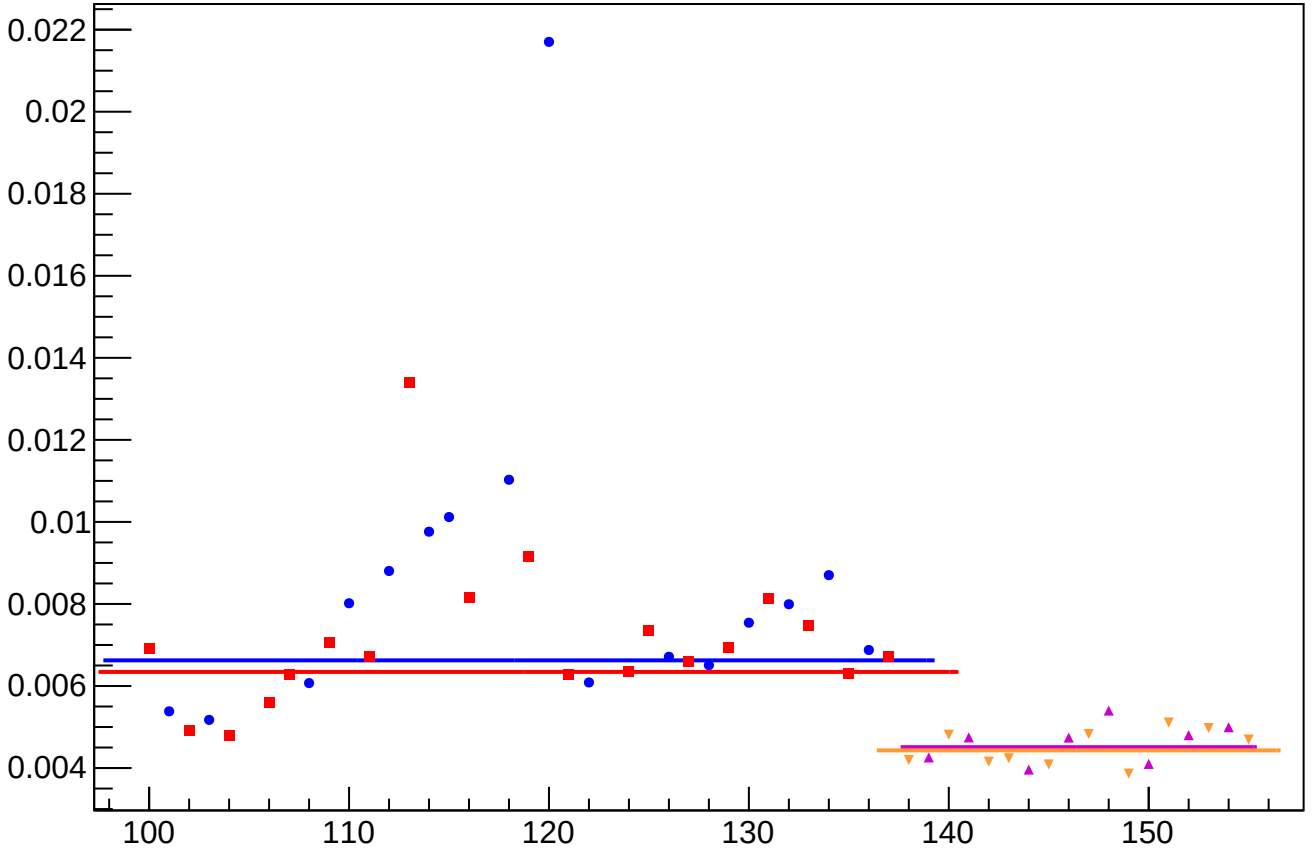
Left In: -0.348+/-0.000 χ^2/NDF:9056171757.3/7

+ sign -0.657+/-0.000 χ^2/NDF: 132765305909.2/25

All: -0.681+/-0.000 χ^2/NDF: 285152153340.1

- sign -0.706+/-0.000 χ^2/NDF: 151839122494.7/26

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:116740.8/9

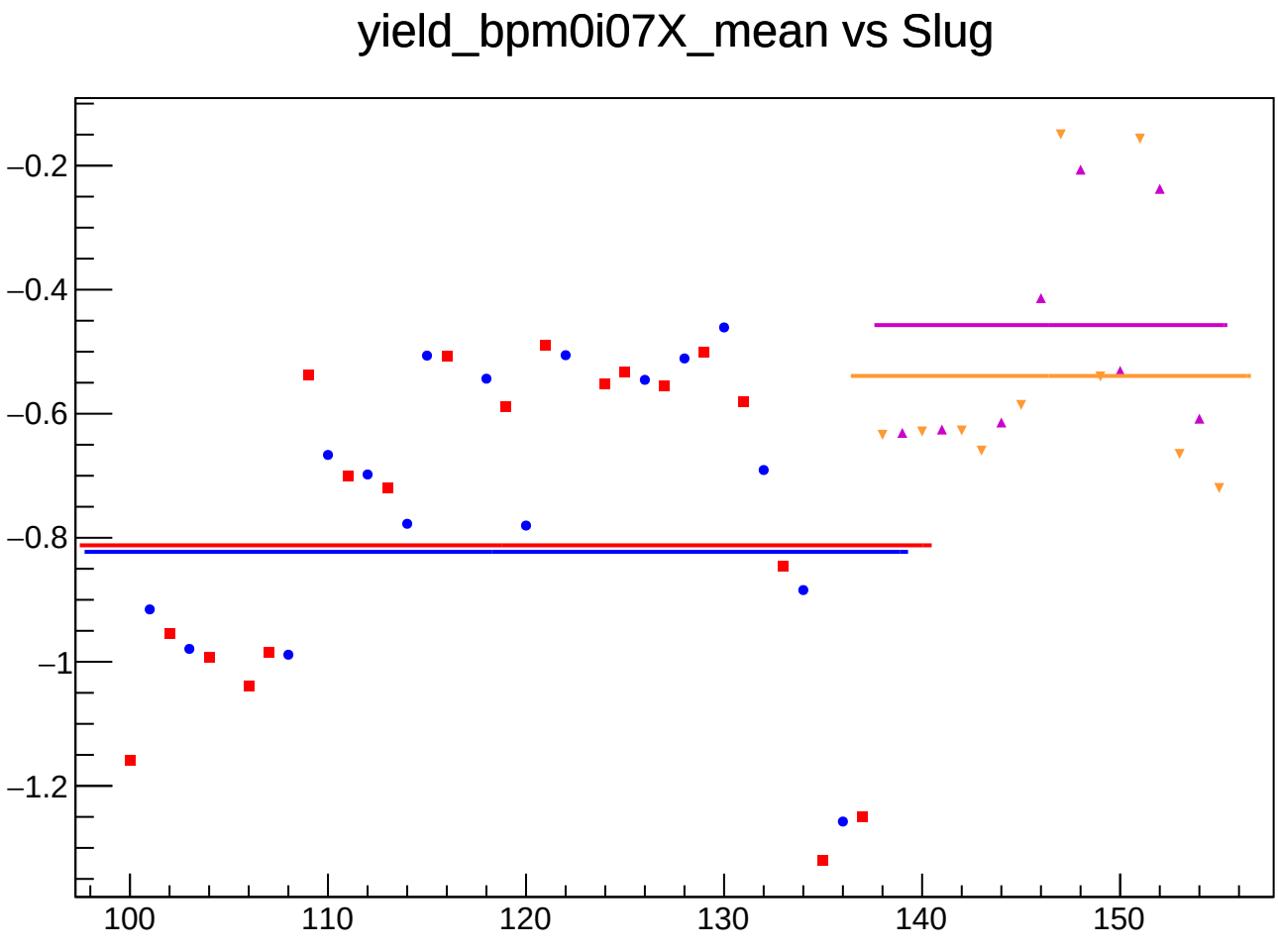
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:114612.6/7

+ sign 0.005+/-0.000 χ^2/NDF: 1732787.5/25

All: 0.005+/-0.000 χ^2/NDF: 3057993.7/52

- sign 0.005+/-0.000 χ^2/NDF: 1320770.4/26



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.539+/-0.000 χ^2/NDF:11558178430.7/9

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

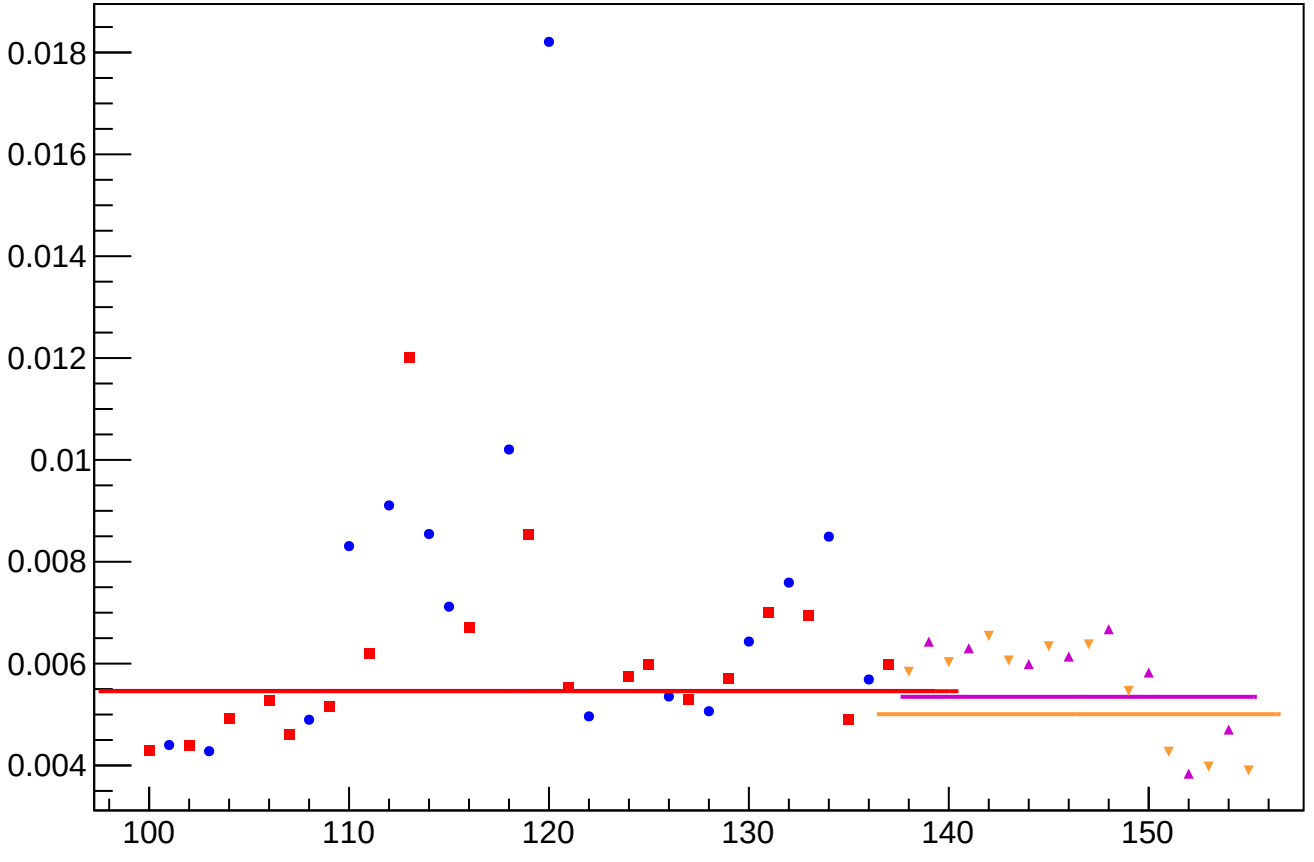
Left In: -0.457+/-0.000 χ^2/NDF:6280853081.1/7

+ sign -0.656+/-0.000 χ^2/NDF: 32508782508.9/25

All: -0.644+/-0.000 χ^2/NDF: 6725942020.7/

- sign -0.631+/-0.000 χ^2/NDF: 34080822824.0/26

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:555542.1/9

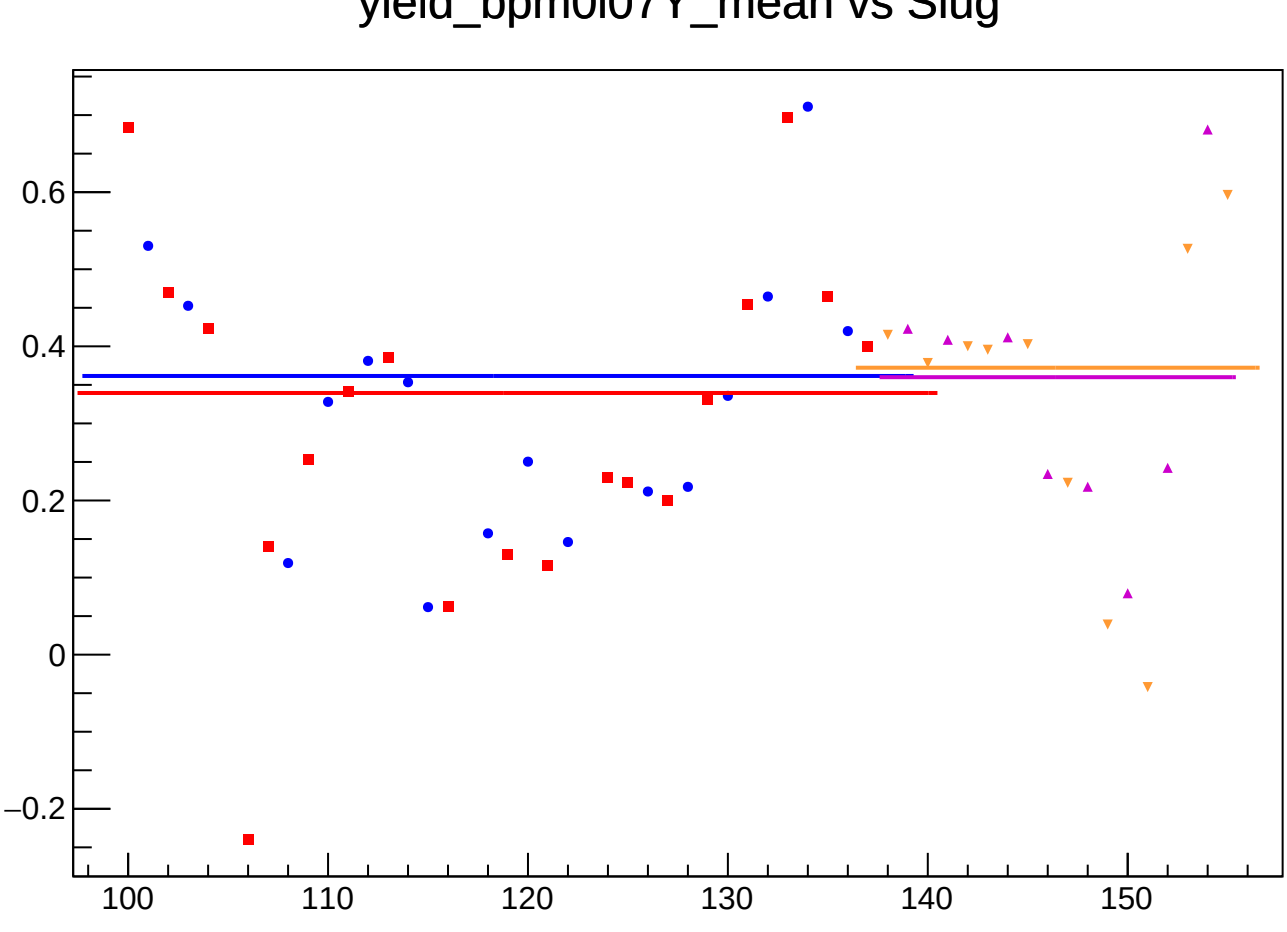
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:467004.0/7

+ sign 0.005+/-0.000 χ^2/NDF: 1562264.2/25

All: 0.005+/-0.000 χ^2/NDF: 2557942.7/52

- sign 0.005+/-0.000 χ^2/NDF: 977291.4/26



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.372+/-0.000 χ^2/NDF:13348838393.7/9

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

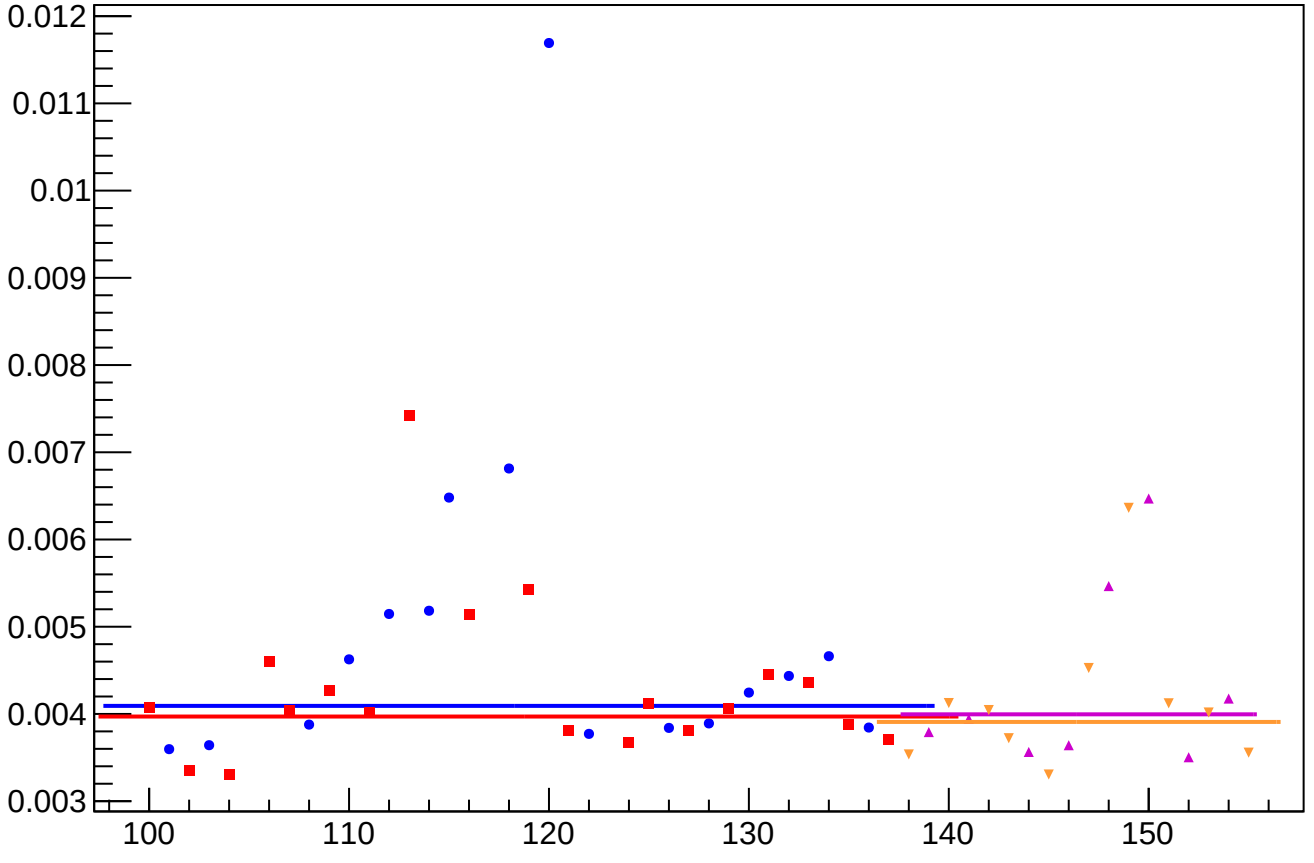
Left In: 0.360+/-0.000 χ^2/NDF:8307381871.0/7

+ sign 0.367+/-0.000 χ^2/NDF: 22146006224.4/25

All: 0.358+/-0.000 χ^2/NDF: 42725501755.0/5

- sign 0.348+/-0.000 χ^2/NDF: 20453905949.5/26

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:291511.5/9

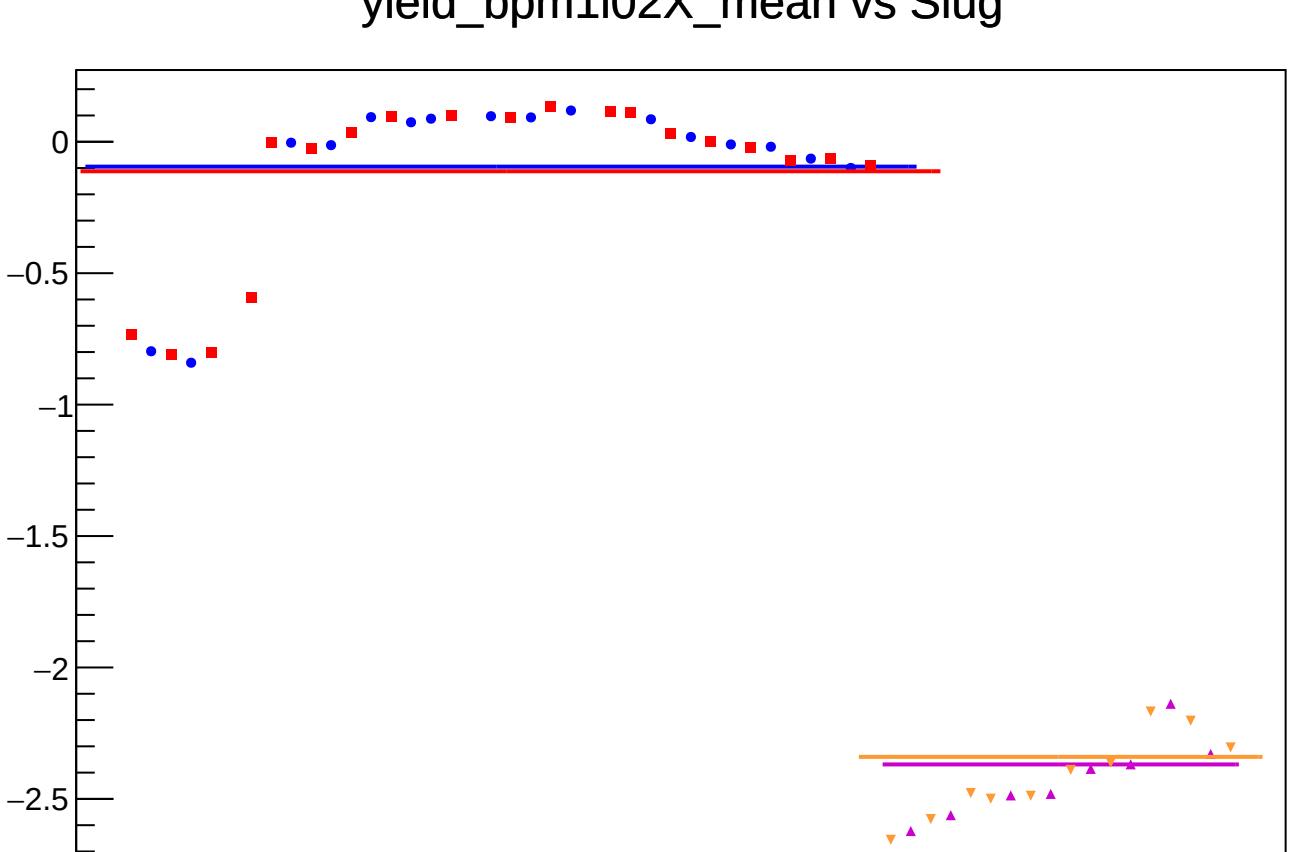
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:360531.7/7

+ sign 0.004+/-0.000 χ^2/NDF: 795793.7/25

All: 0.004+/-0.000 χ^2/NDF: 1470490.3/52

- sign 0.004+/-0.000 χ^2/NDF: 674460.3/26



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.340+/-0.000 χ^2/NDF:1515441053.9/9

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

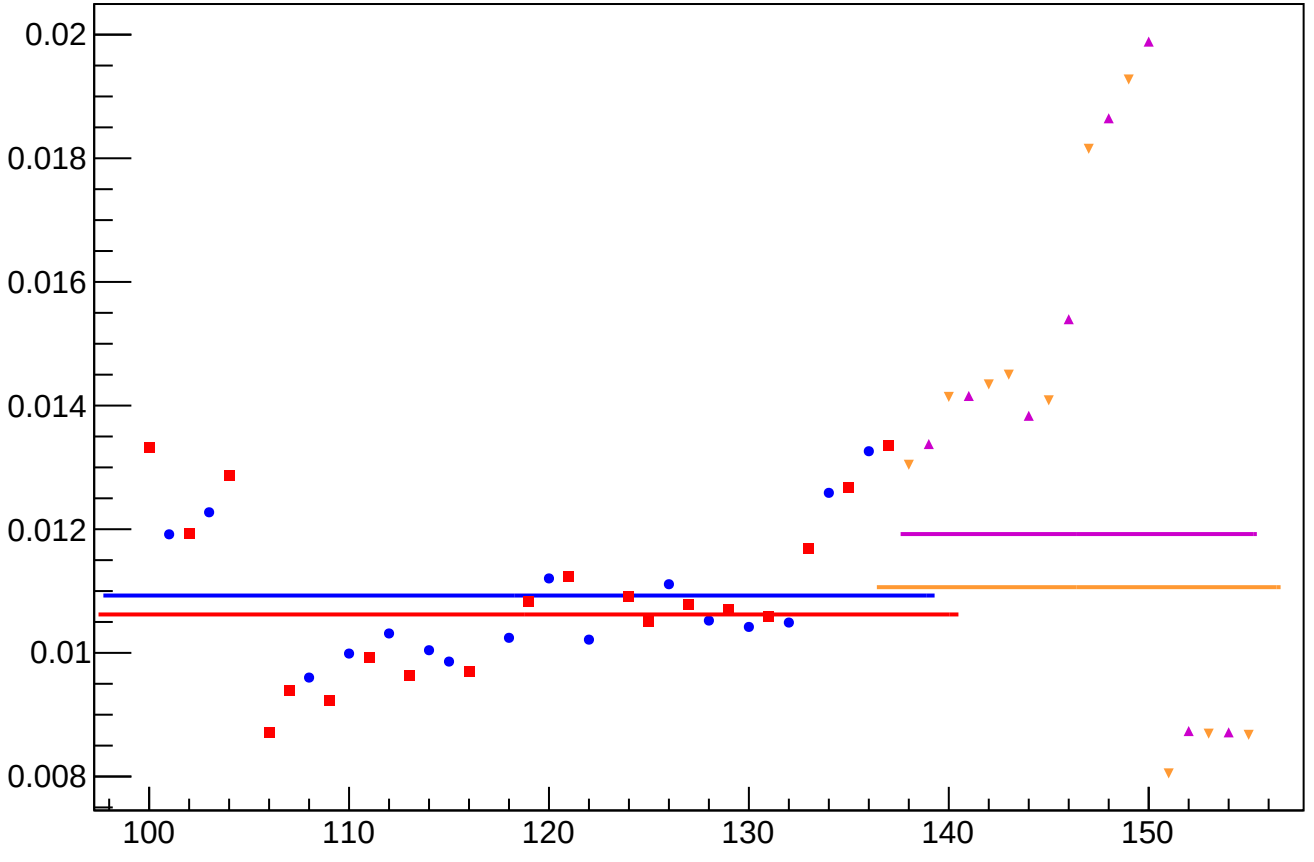
Left In: -2.369+/-0.000 χ^2/NDF:1195256697.6/7

+ sign -1.201+/-0.000 χ^2/NDF: 155214692550.3/25

All: -1.119+/-0.000 χ^2/NDF: 299846462877.0

- sign -1.032+/-0.000 χ^2/NDF: 143001856164.7/26

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:1355818.6/9

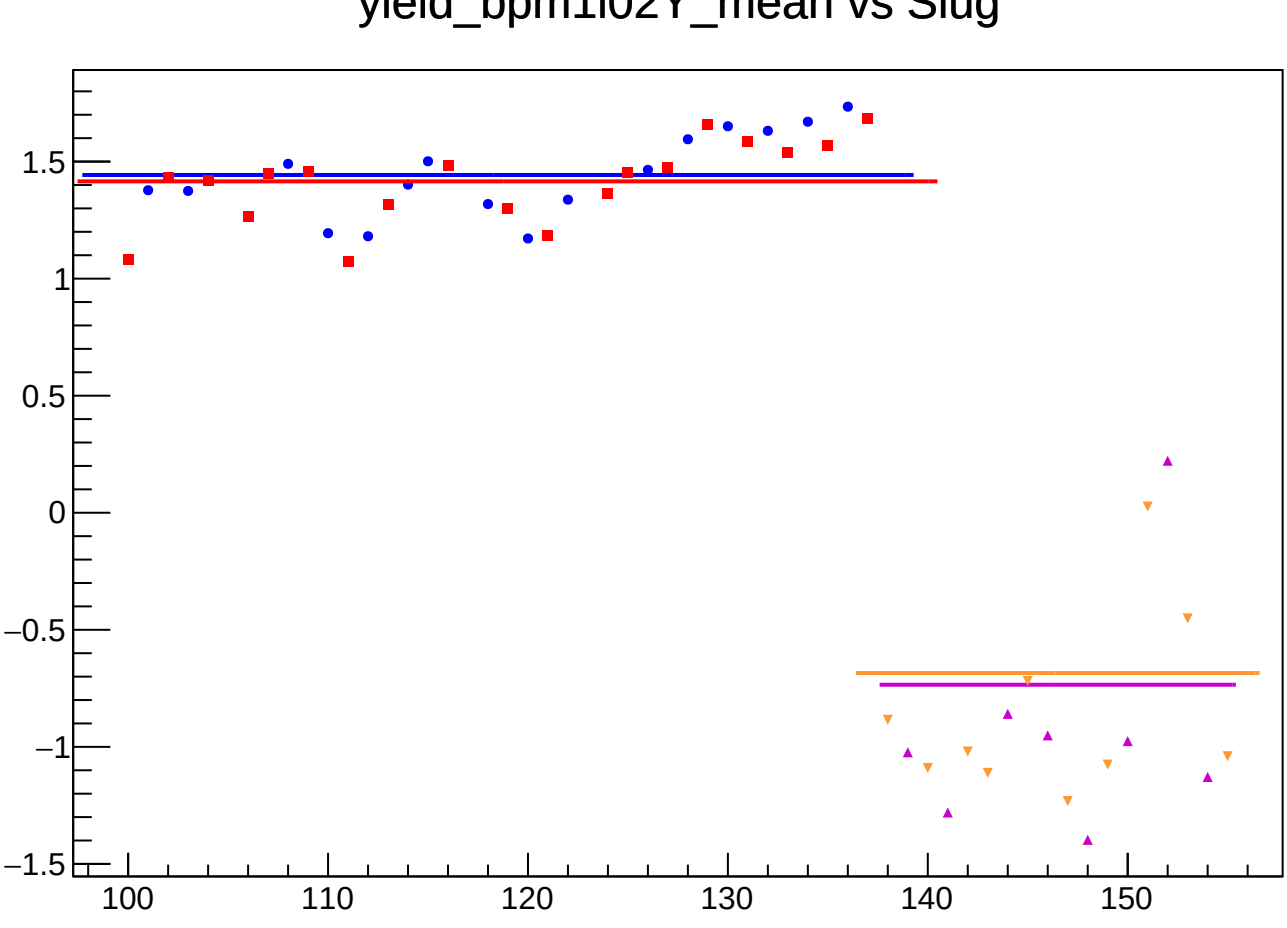
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.012+/-0.000 χ^2/NDF:1158051.6/7

+ sign 0.011+/-0.000 χ^2/NDF: 1493370.7/25

All: 0.011+/-0.000 χ^2/NDF: 2934840.2/52

- sign 0.011+/-0.000 χ^2/NDF: 1438652.1/26



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.684+/-0.000 χ^2/NDF:21328252059.6/9

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

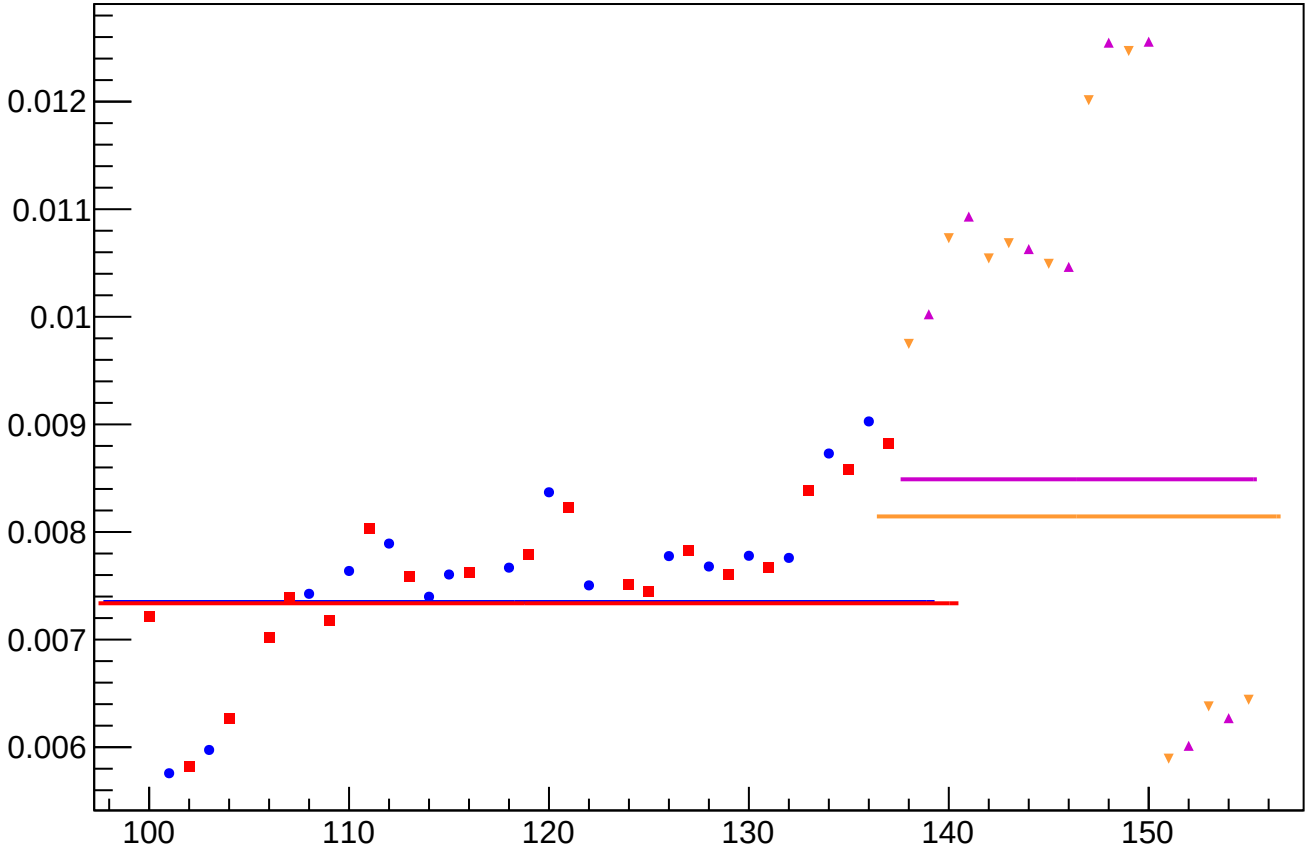
Left In: -0.735+/-0.000 χ^2/NDF:31352540022.7/7

+ sign 0.479+/-0.000 χ^2/NDF: 293134326995.3/25

All: 0.523+/-0.000 χ^2/NDF: 577556268683.7

- sign 0.569+/-0.000 χ^2/NDF: 283501080886.3/26

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:1207927.3/9

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

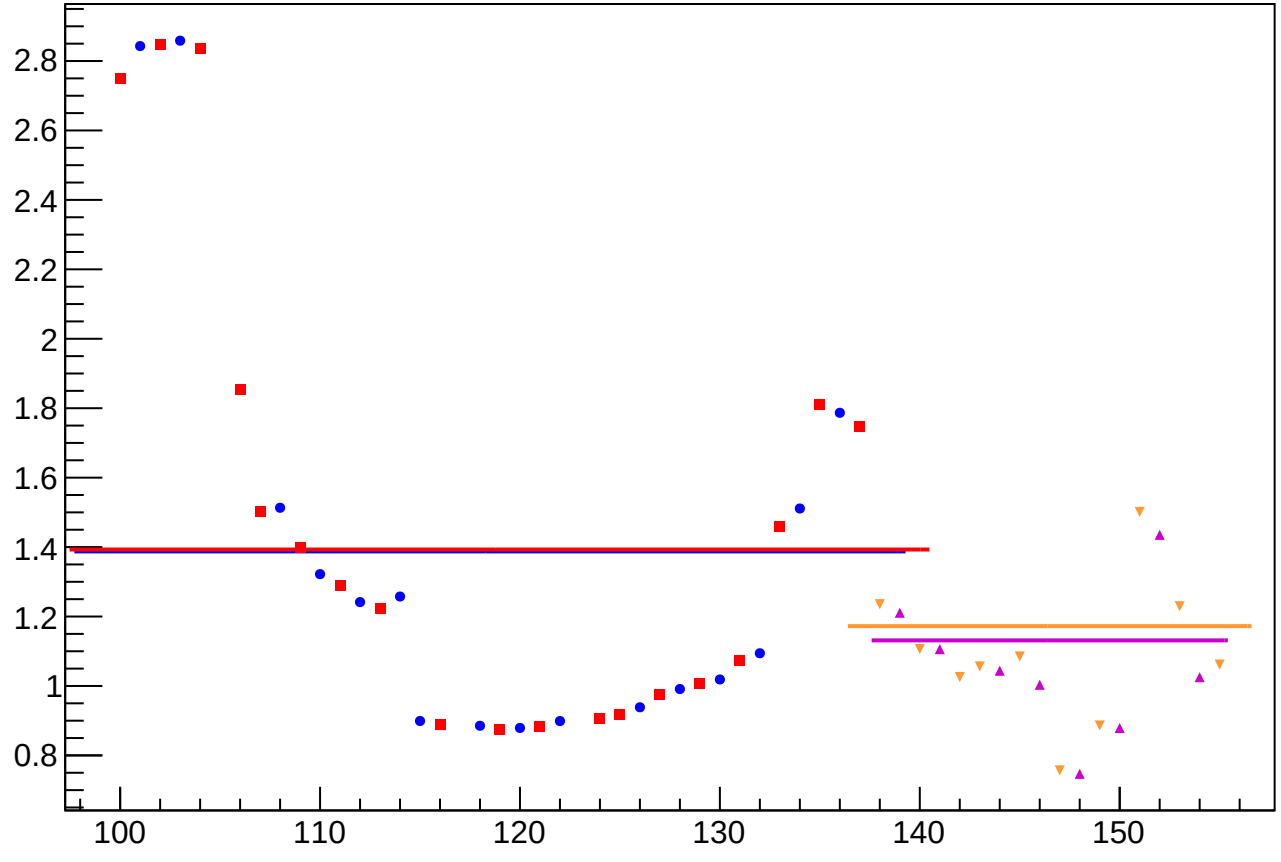
Left In: 0.008+/-0.000 χ^2/NDF:1138246.0/7

+ sign 0.008+/-0.000 χ^2/NDF: 1553731.8/25

All: 0.008+/-0.000 χ^2/NDF: 3032112.8/52

- sign 0.008+/-0.000 χ^2/NDF: 1476823.9/26

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.172+/-0.000 χ^2/NDF:4574199622.3/9

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

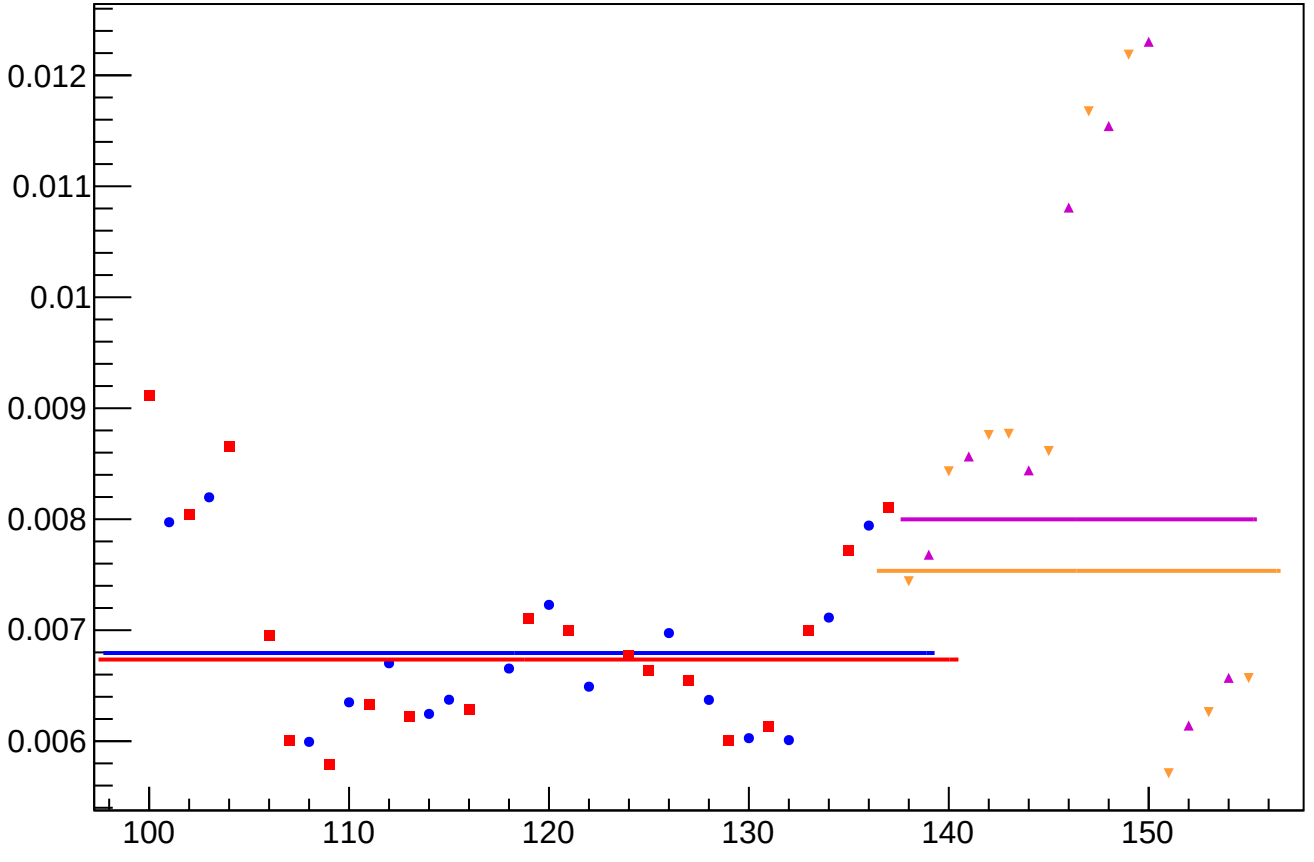
Left In: 1.131+/-0.000 χ^2/NDF:3854555374.4/7

+ sign 1.291+/-0.000 χ^2/NDF: 66381869635.1/25

All: 1.292+/-0.000 χ^2/NDF: 129827549873.5

- sign 1.293+/-0.000 χ^2/NDF: 63444920937.6/26

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:756952.6/9

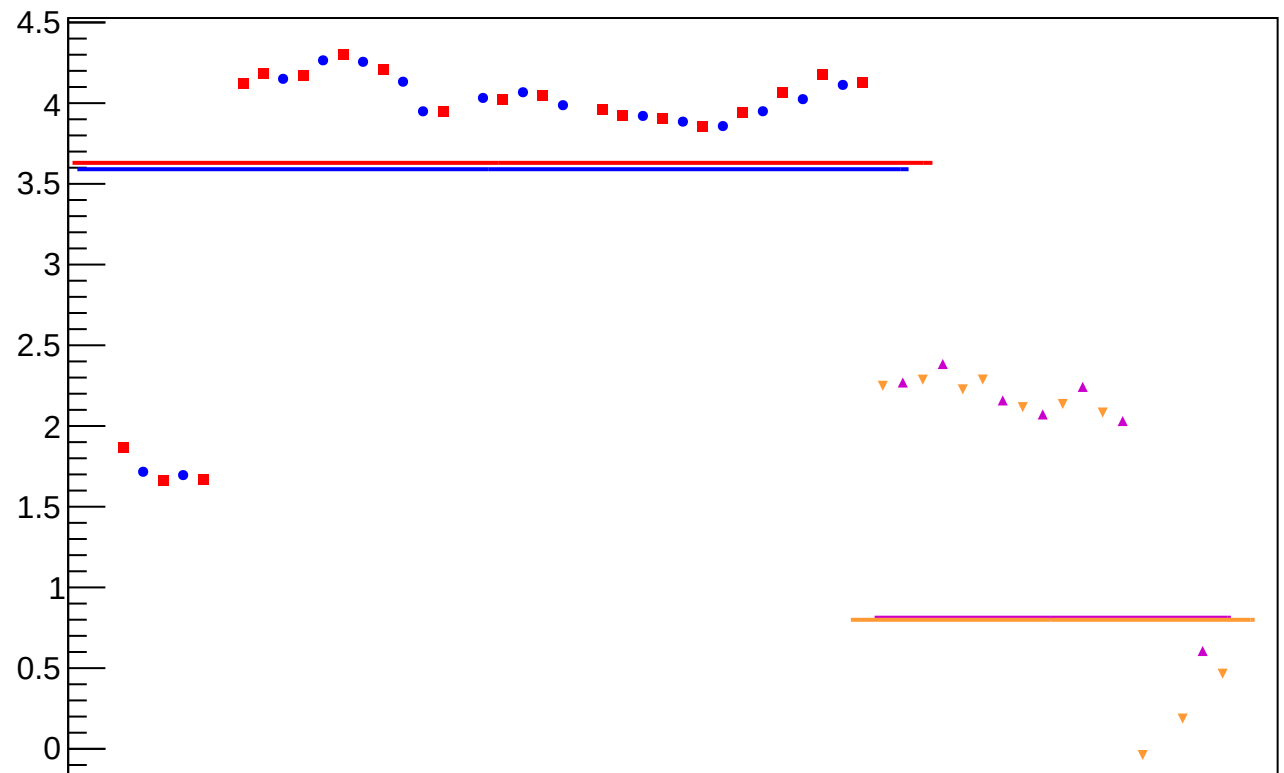
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:713200.9/7

+ sign 0.007+/-0.000 χ^2/NDF: 997027.9/25

All: 0.007+/-0.000 χ^2/NDF: 2107721.8/52

- sign 0.007+/-0.000 χ^2/NDF: 1108513.6/26



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.800+/-0.000 χ^2/NDF:234955248889.5/9

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

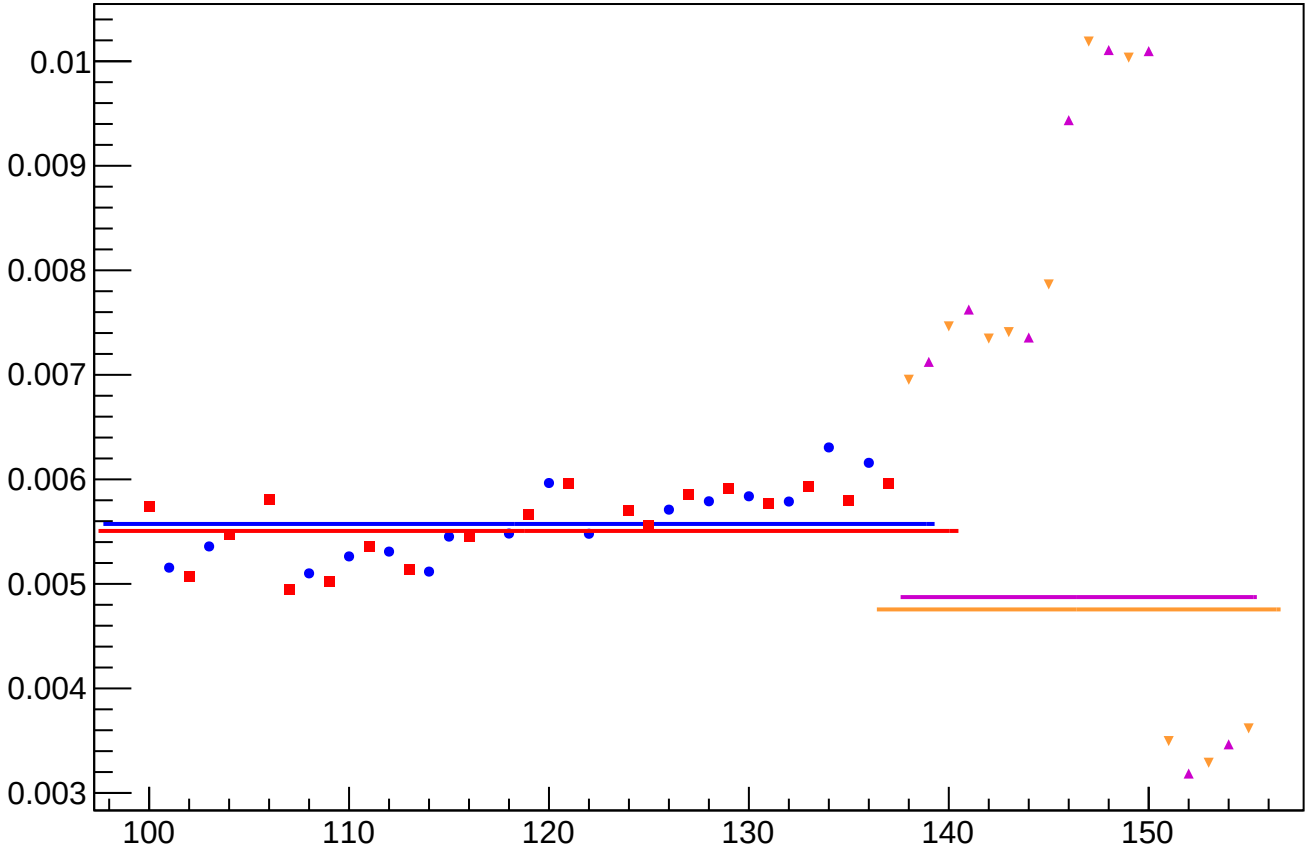
Left In: 0.812+/-0.000 χ^2/NDF:236610578849.6/7

+ sign 2.081+/-0.000 χ^2/NDF: 1409115478021.6/25

All: 2.171+/-0.000 χ^2/NDF: 2791708859770.

- sign 2.267+/-0.000 χ^2/NDF: 1374280370774.7/26

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:2404272.4/9

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

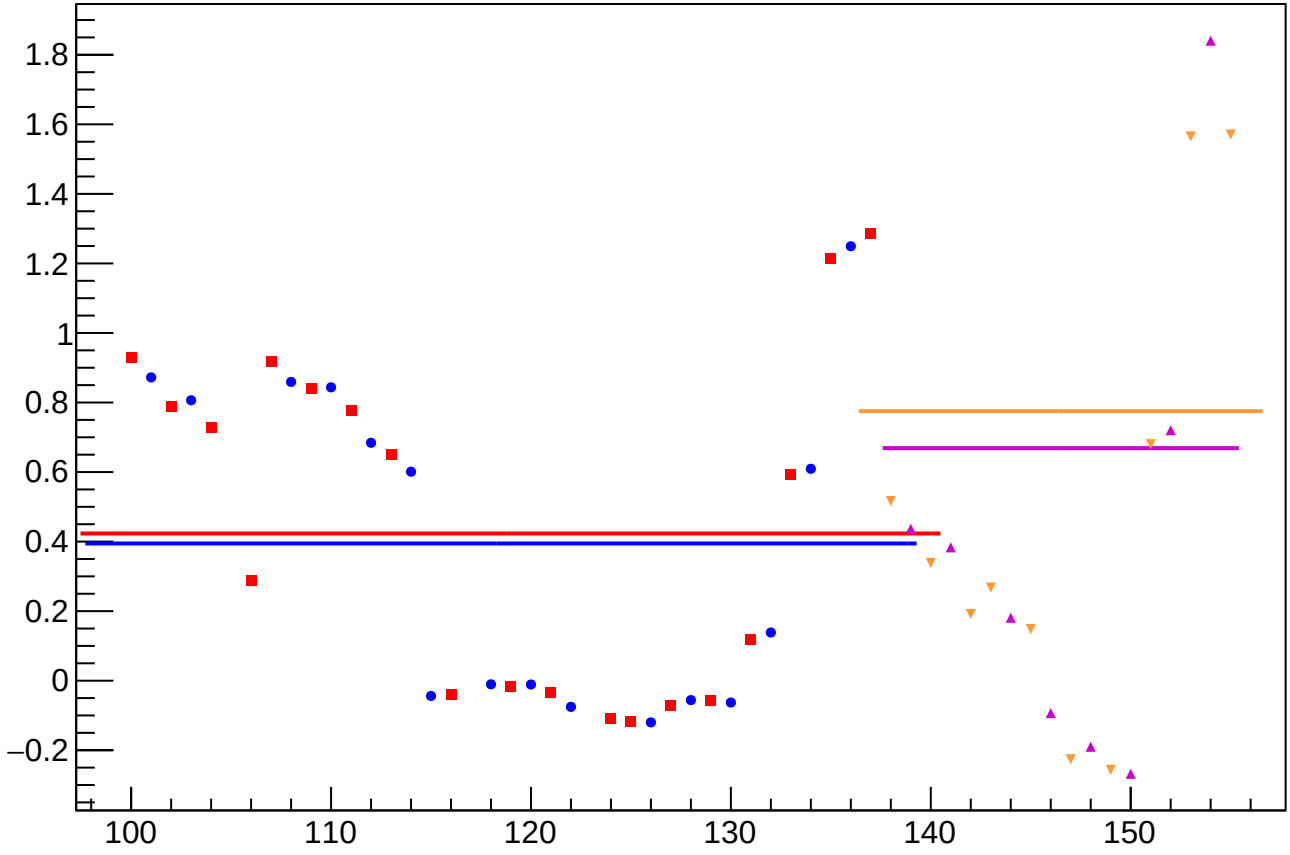
Left In: 0.005+/-0.000 χ^2/NDF:2554282.3/7

+ sign 0.005+/-0.000 χ^2/NDF: 2630268.9/25

All: 0.005+/-0.000 χ^2/NDF: 5337601.9/52

- sign 0.005+/-0.000 χ^2/NDF: 2705020.4/26

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.775+/-0.000 χ^2/NDF:19498482863.4/9

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

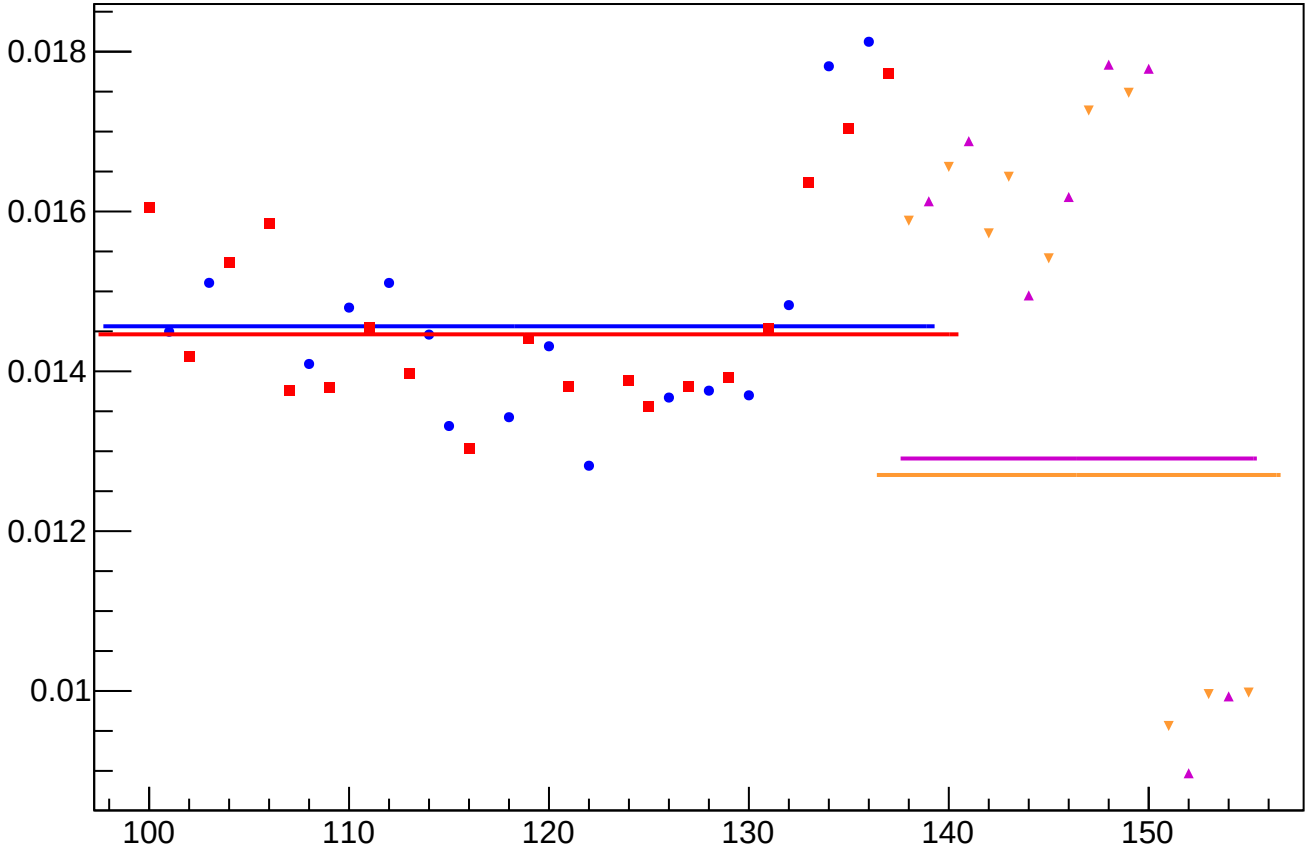
Left In: 0.669+/-0.000 χ^2/NDF:19873812425.9/7

+ sign 0.612+/-0.000 χ^2/NDF: 29681467766.5/25

All: 0.583+/-0.000 χ^2/NDF: 57697008933.5/5

- sign 0.552+/-0.000 χ^2/NDF: 27879286033.5/26

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:969025.0/9

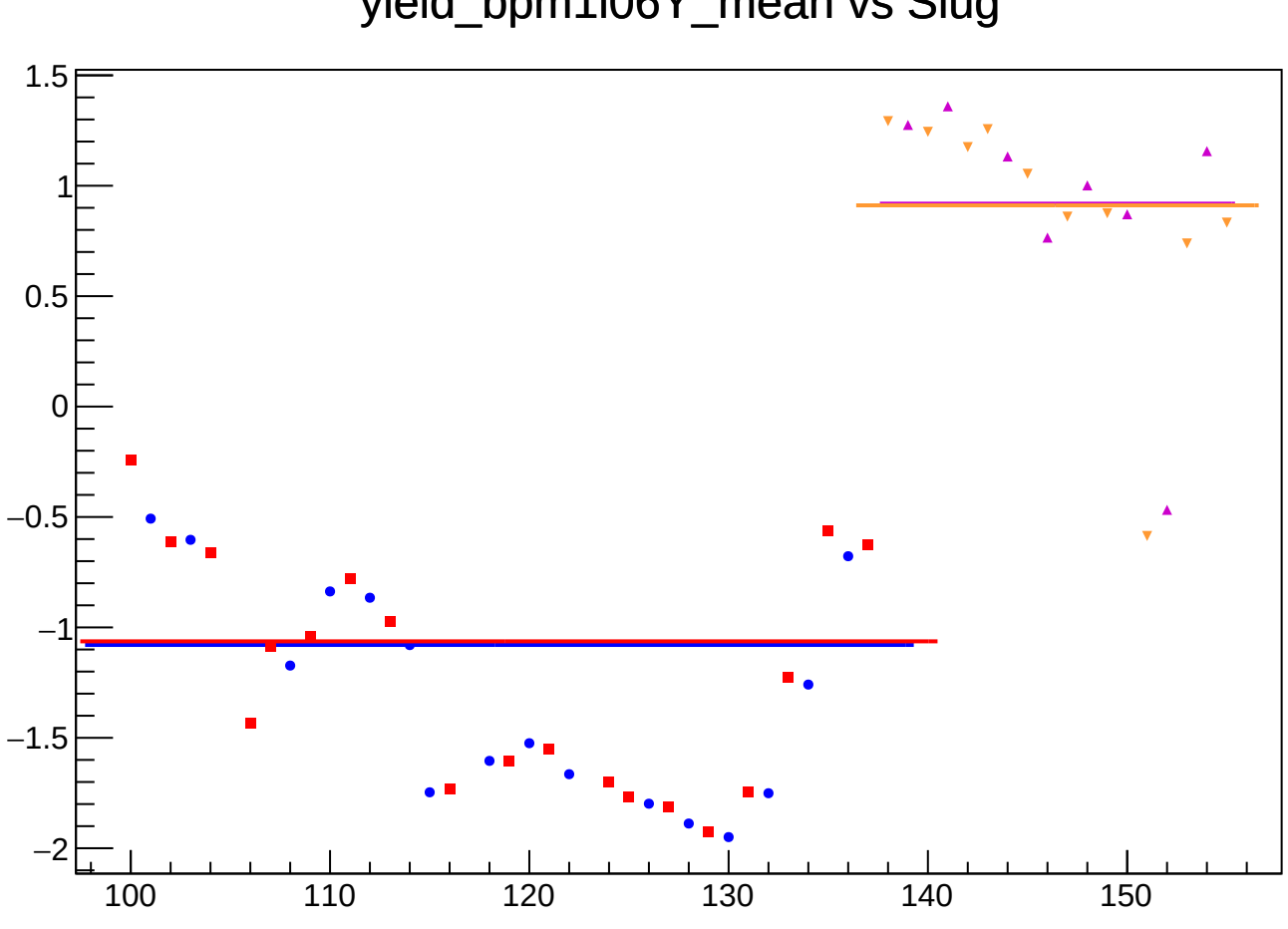
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.013+/-0.000 χ^2/NDF:1012650.1/7

+ sign 0.013+/-0.000 χ^2/NDF: 1234639.6/25

All: 0.014+/-0.000 χ^2/NDF: 2414576.3/52

- sign 0.014+/-0.000 χ^2/NDF: 1178279.0/26



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.911+/-0.000 χ^2/NDF:98502730185.5/9

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

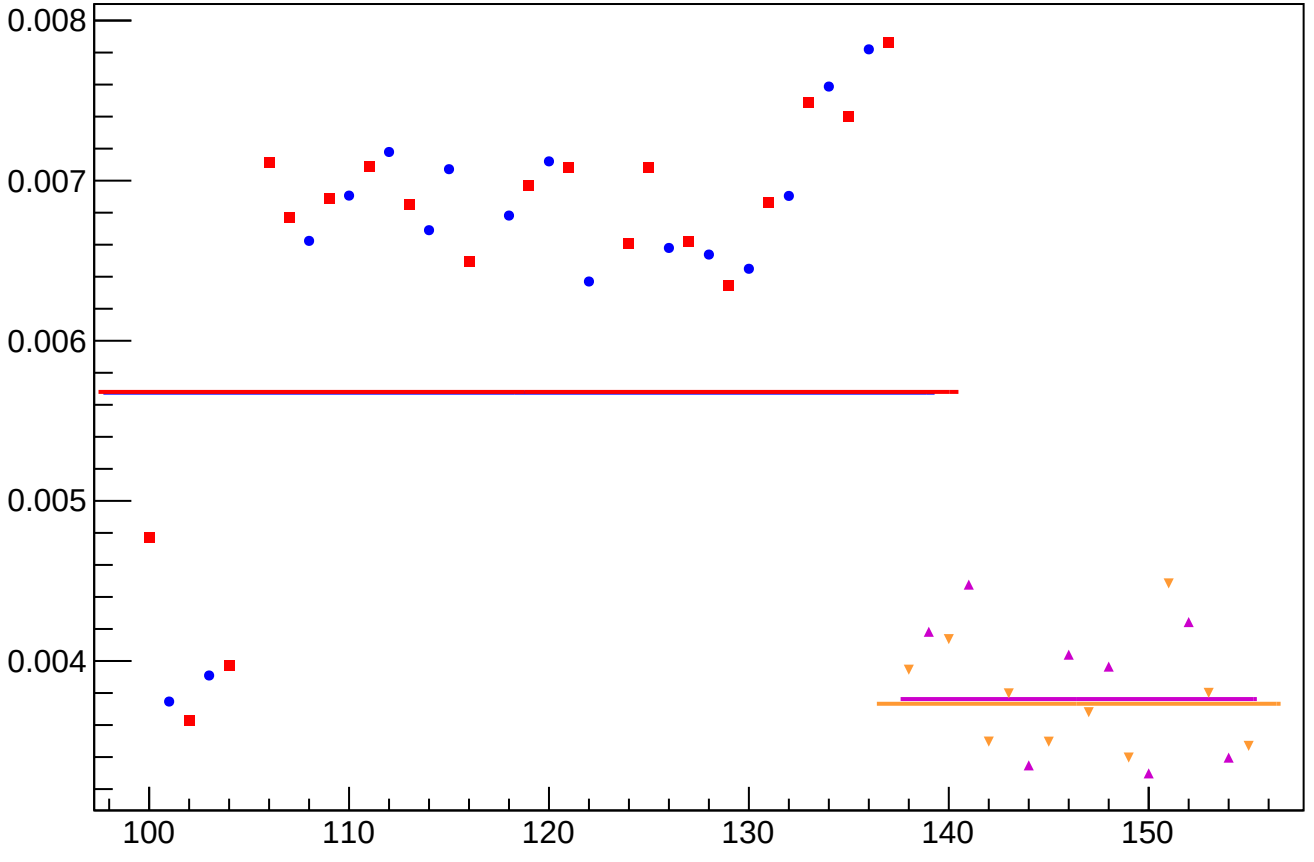
Left In: 0.919+/-0.000 χ^2/NDF:108173334627.0/7

+ sign 0.345+/-0.000 χ^2/NDF: 718743673710.0/25

All: 0.319+/-0.000 χ^2/NDF: 1413880777492.

- sign 0.290+/-0.000 χ^2/NDF: 694144163139.3/26

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:91072.7/9

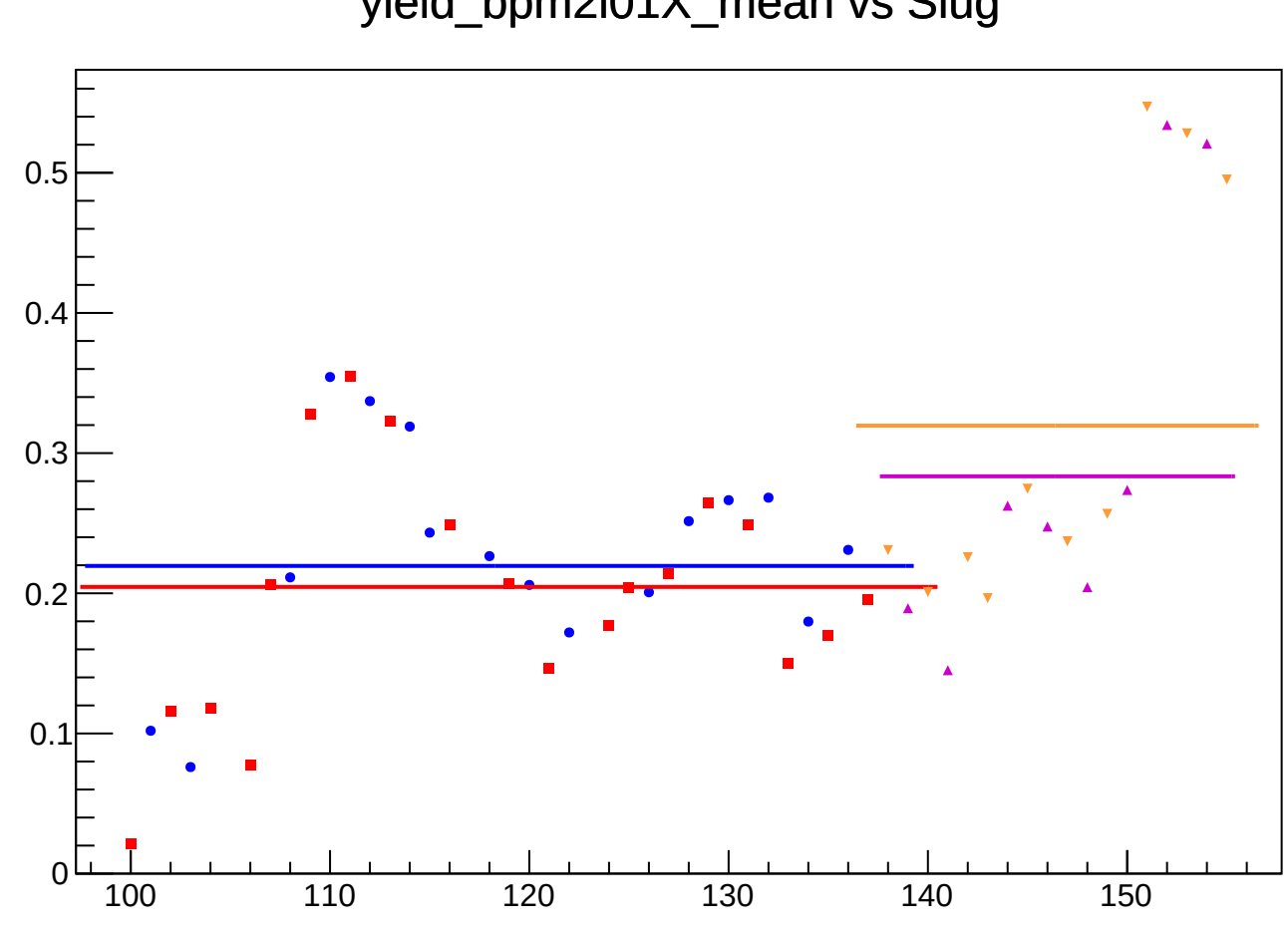
Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:163889.2/7

+ sign 0.004+/-0.000 χ^2/NDF: 2104042.2/25

All: 0.004+/-0.000 χ^2/NDF: 4257746.6/52

- sign 0.004+/-0.000 χ^2/NDF: 2148913.8/26



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.320+/-0.000 χ^2/NDF:71860936750.1/9

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

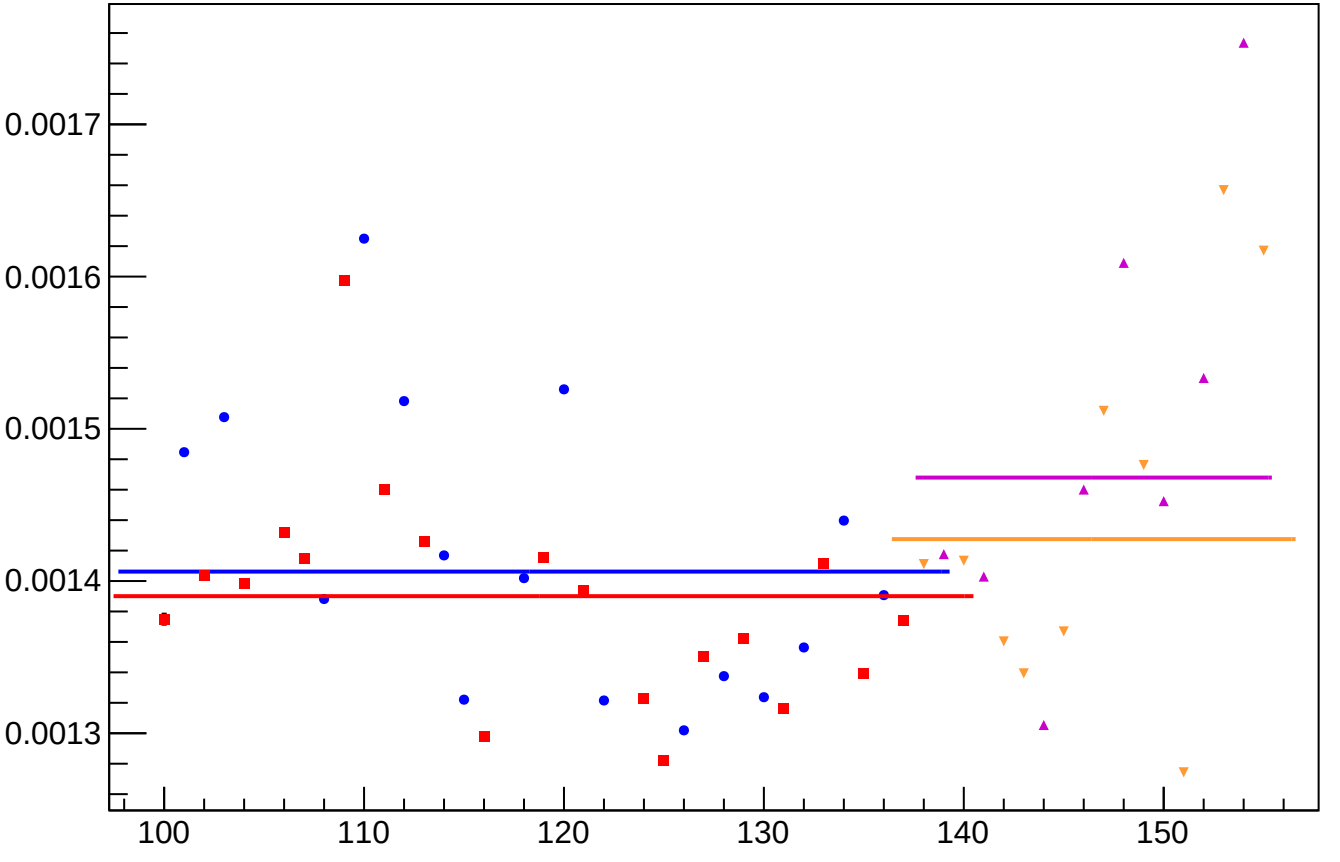
Left In: 0.283+/-0.000 χ^2/NDF:52911370680.5/7

+ sign 0.271+/-0.000 χ^2/NDF: 106813277511.4/25

All: 0.256+/-0.000 χ^2/NDF: 196192017505.5

- sign 0.240+/-0.000 χ^2/NDF: 85952660198.2/26

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:96956.0/9

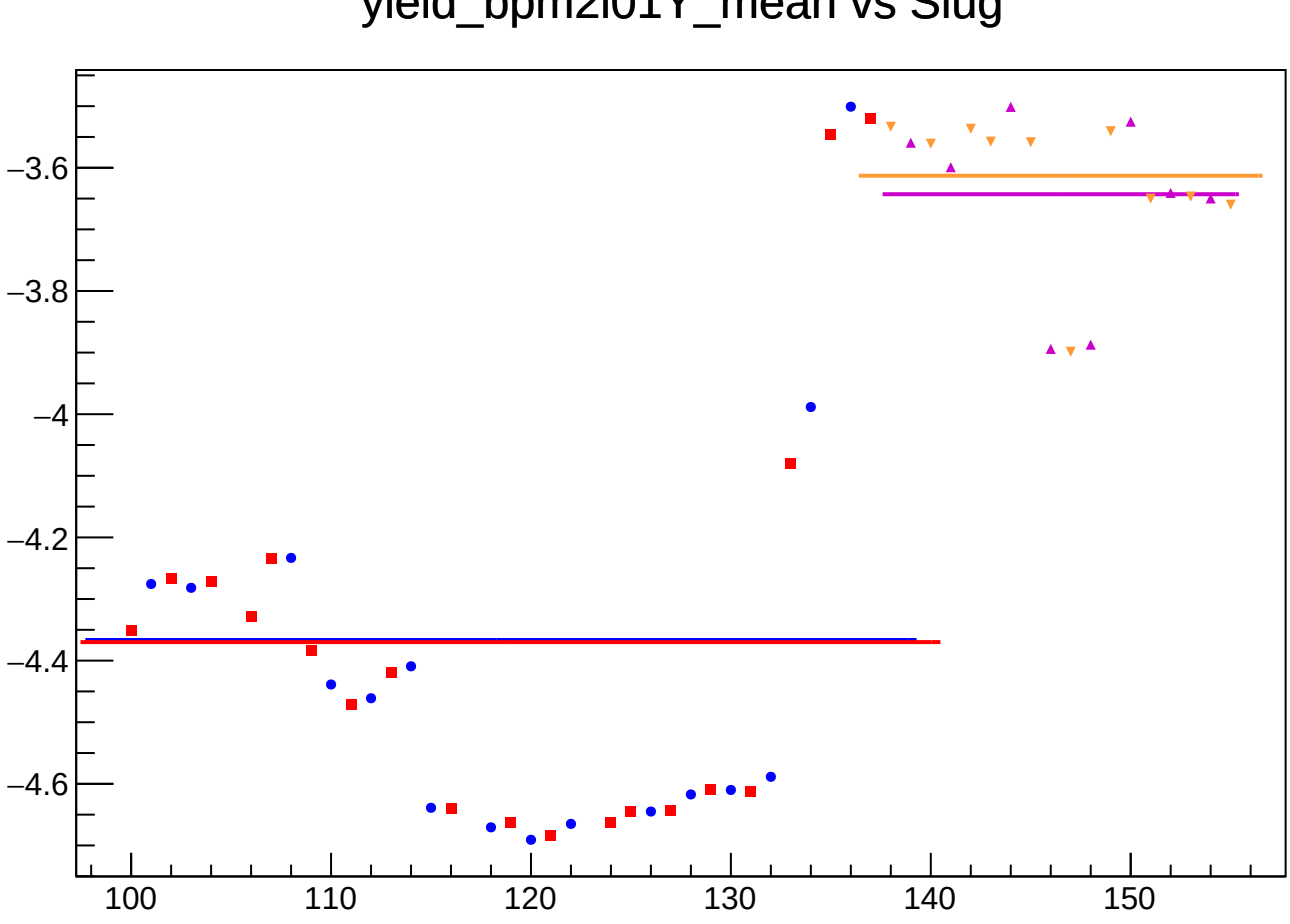
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:94528.6/7

+ sign 0.001+/-0.000 χ^2/NDF: 146812.3/25

All: 0.001+/-0.000 χ^2/NDF: 297508.4/52

- sign 0.001+/-0.000 χ^2/NDF: 150222.9/26



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.613+/-0.000 χ^2/NDF:19794298633.8/9

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

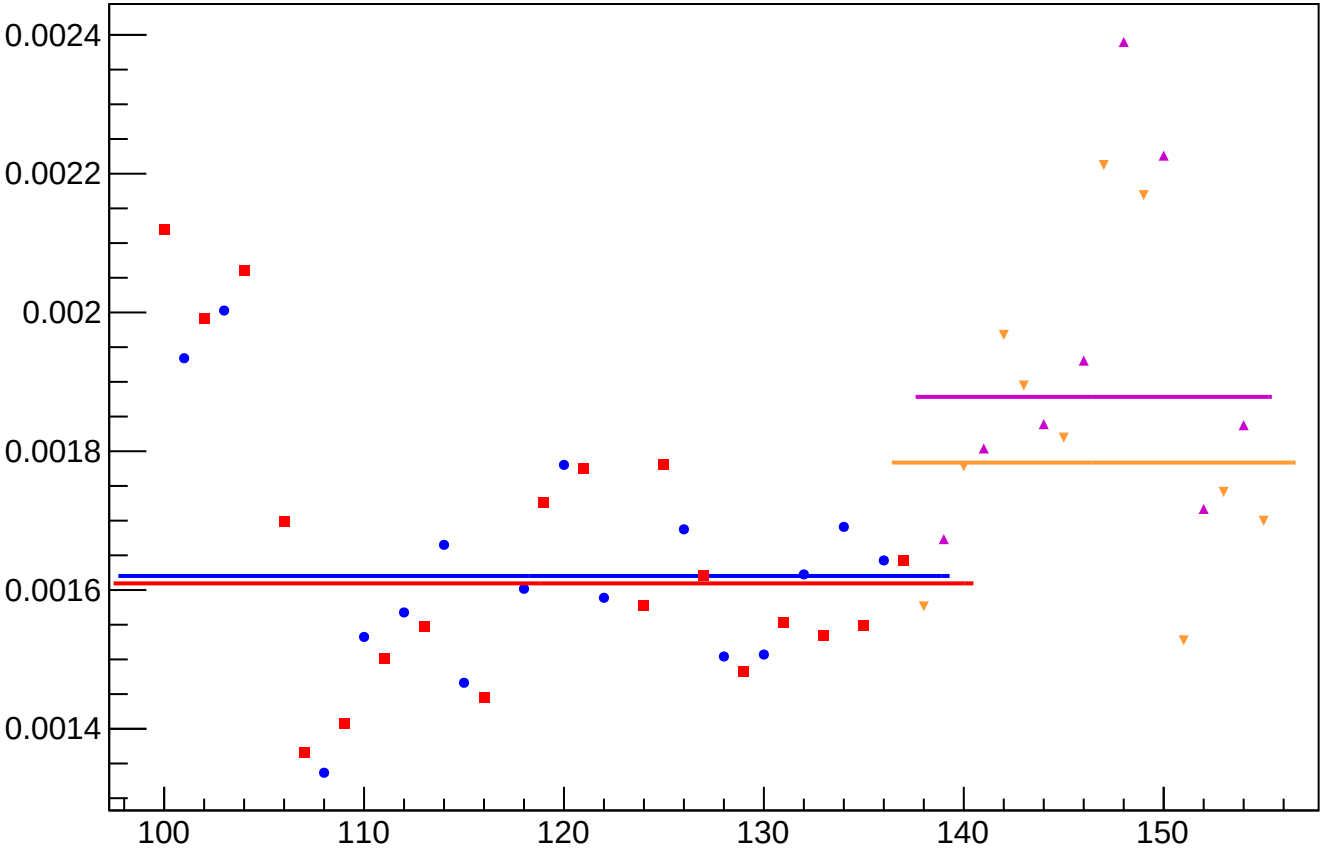
Left In: -3.643+/-0.000 χ^2/NDF:32358586170.8/7

+ sign -4.013+/-0.000 χ^2/NDF: 1071051728369.6/2

All: -4.043+/-0.000 χ^2/NDF: 1997295298569

- sign -4.075+/-0.000 χ^2/NDF: 916854973894.5/26

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:198983.6/9

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

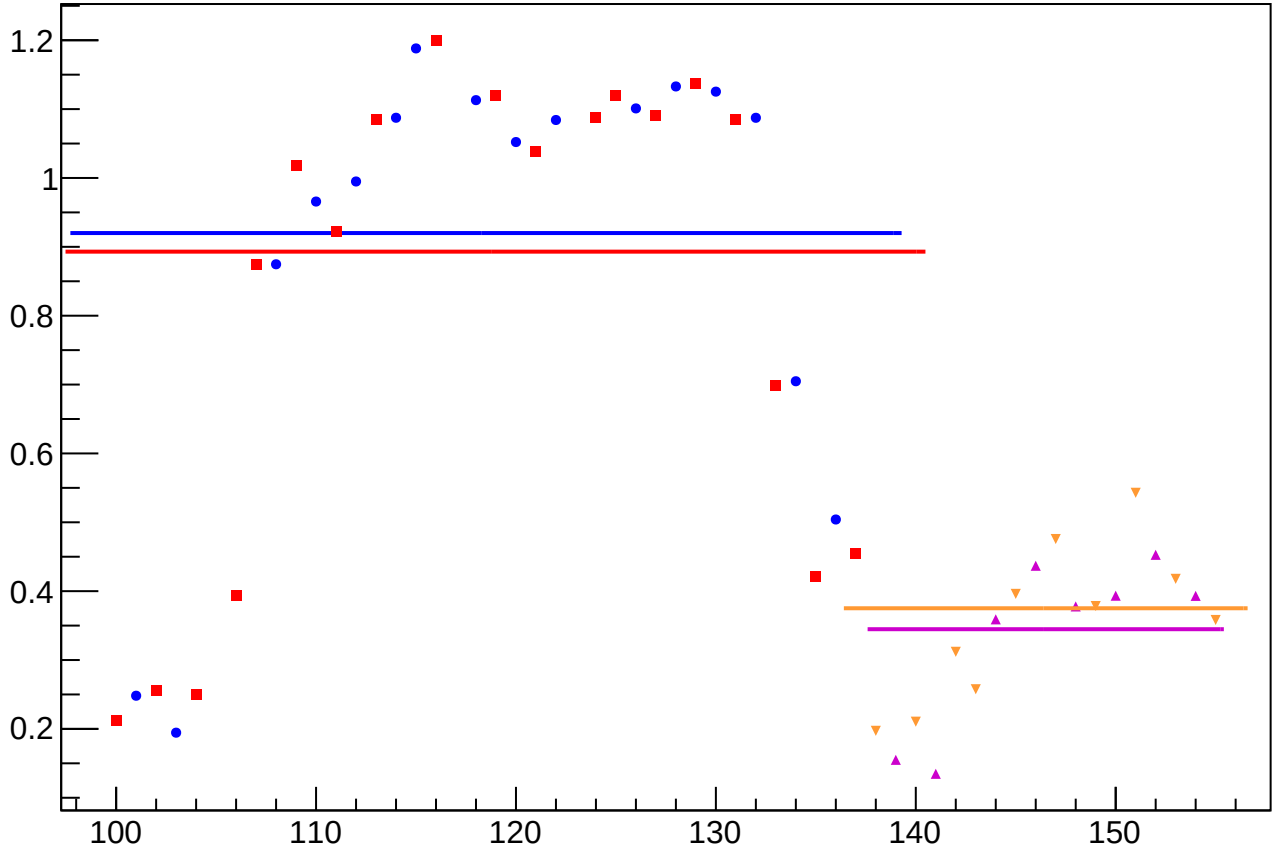
Left In: 0.002+/-0.000 χ^2/NDF:160285.6/7

+ sign 0.002+/-0.000 χ^2/NDF: 404888.0/25

All: 0.002+/-0.000 χ^2/NDF: 913187.2/52

- sign 0.002+/-0.000 χ^2/NDF: 506094.9/26

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.375+/-0.000 χ^2/NDF:1621062484.5/9

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

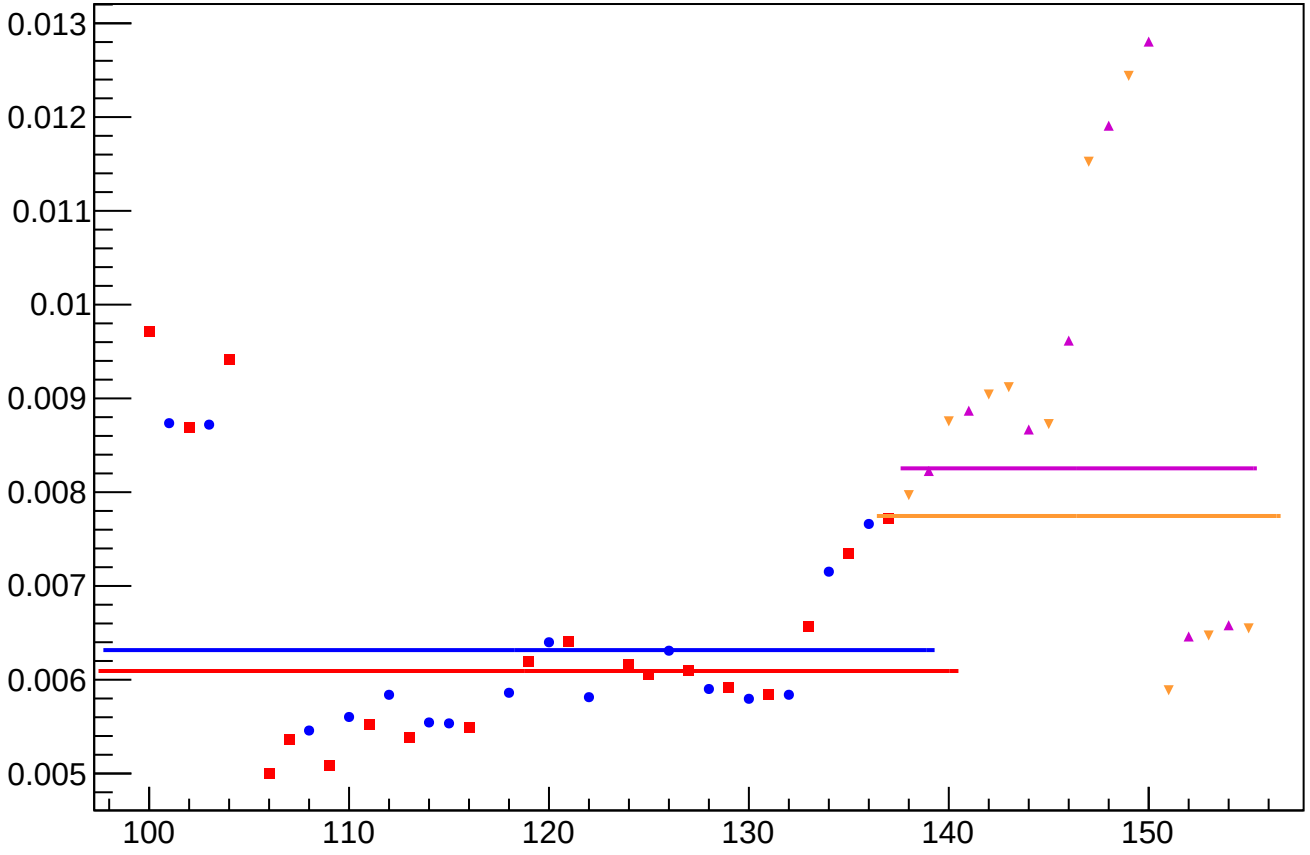
Left In: 0.345+/-0.000 χ^2/NDF:1332386479.6/7

+ sign 0.696+/-0.000 χ^2/NDF: 37671578489.6/25

All: 0.703+/-0.000 χ^2/NDF: 76195168019.4/5

- sign 0.711+/-0.000 χ^2/NDF: 38489630896.3/26

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:796912.5/9

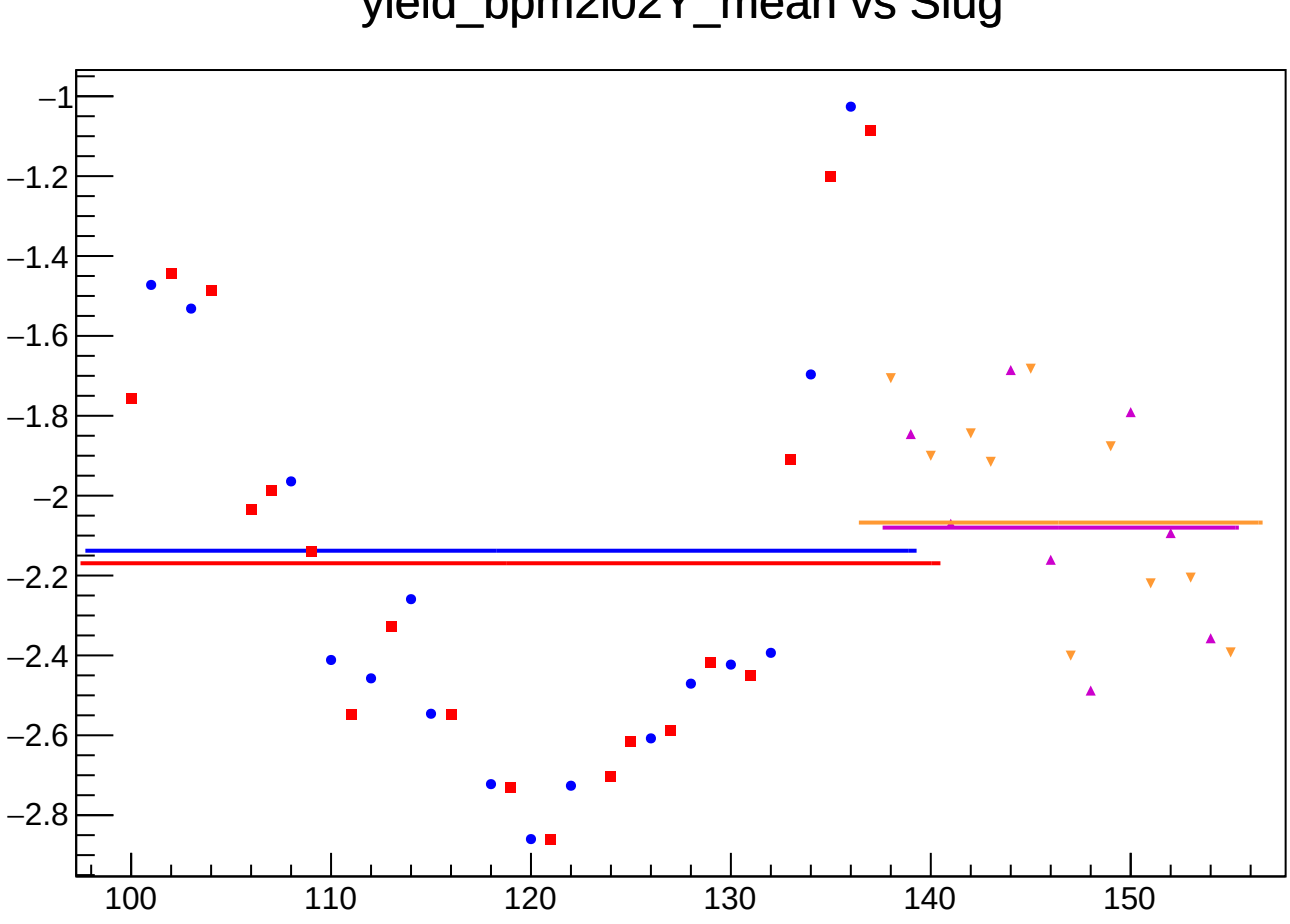
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:675740.0/7

+ sign 0.007+/-0.000 χ^2/NDF: 1428652.1/25

All: 0.007+/-0.000 χ^2/NDF: 3149281.0/52

- sign 0.007+/-0.000 χ^2/NDF: 1718035.5/26



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.067+/-0.000 χ^2/NDF:10390550796.5/9

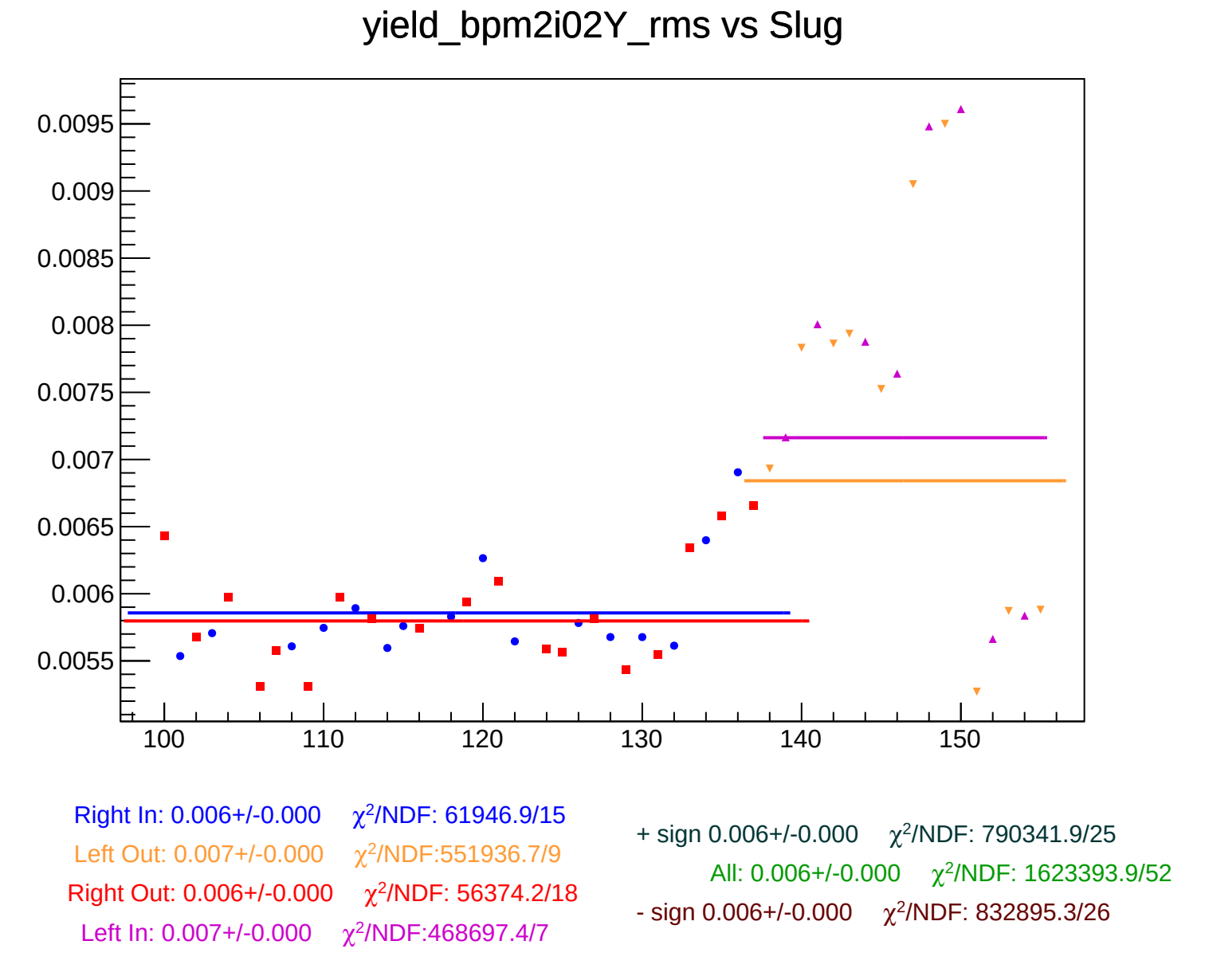
Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.080+/-0.000 χ^2/NDF:7590051213.1/7

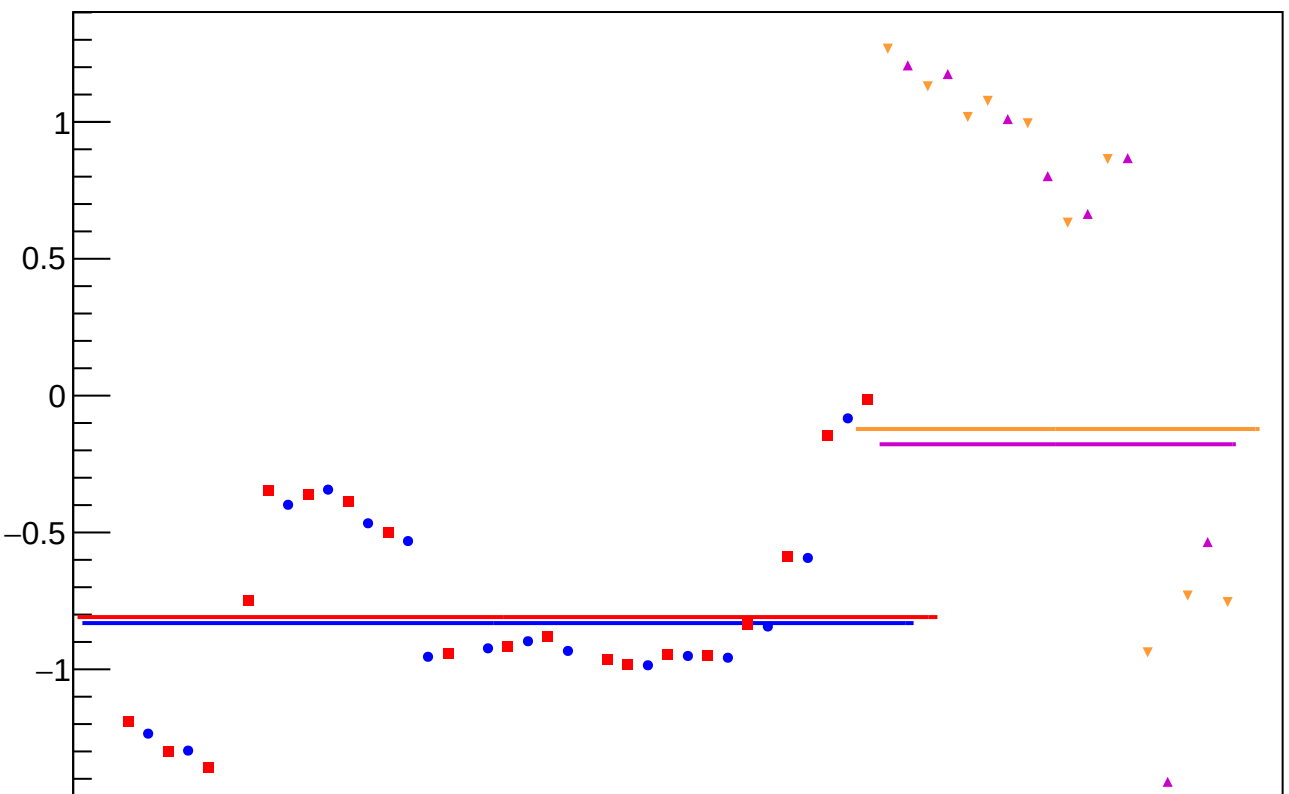
+ sign -2.107+/-0.000 χ^2/NDF: 76509942556.3/25

All: -2.121+/-0.000 χ^2/NDF: 142317199516.5

- sign -2.136+/-0.000 χ^2/NDF: 65657365177.2/26


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
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.007+/-0.000 χ²/NDF:551936.7/9
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.007+/-0.000 χ²/NDF:468697.4/7
+ sign 0.006+/-0.000 χ²/NDF: 790341.9/25
All: 0.006+/-0.000 χ²/NDF: 1623393.9/52
- sign 0.006+/-0.000 χ²/NDF: 832895.3/26

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.122+/-0.000 χ^2/NDF:67578475081.5/9

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

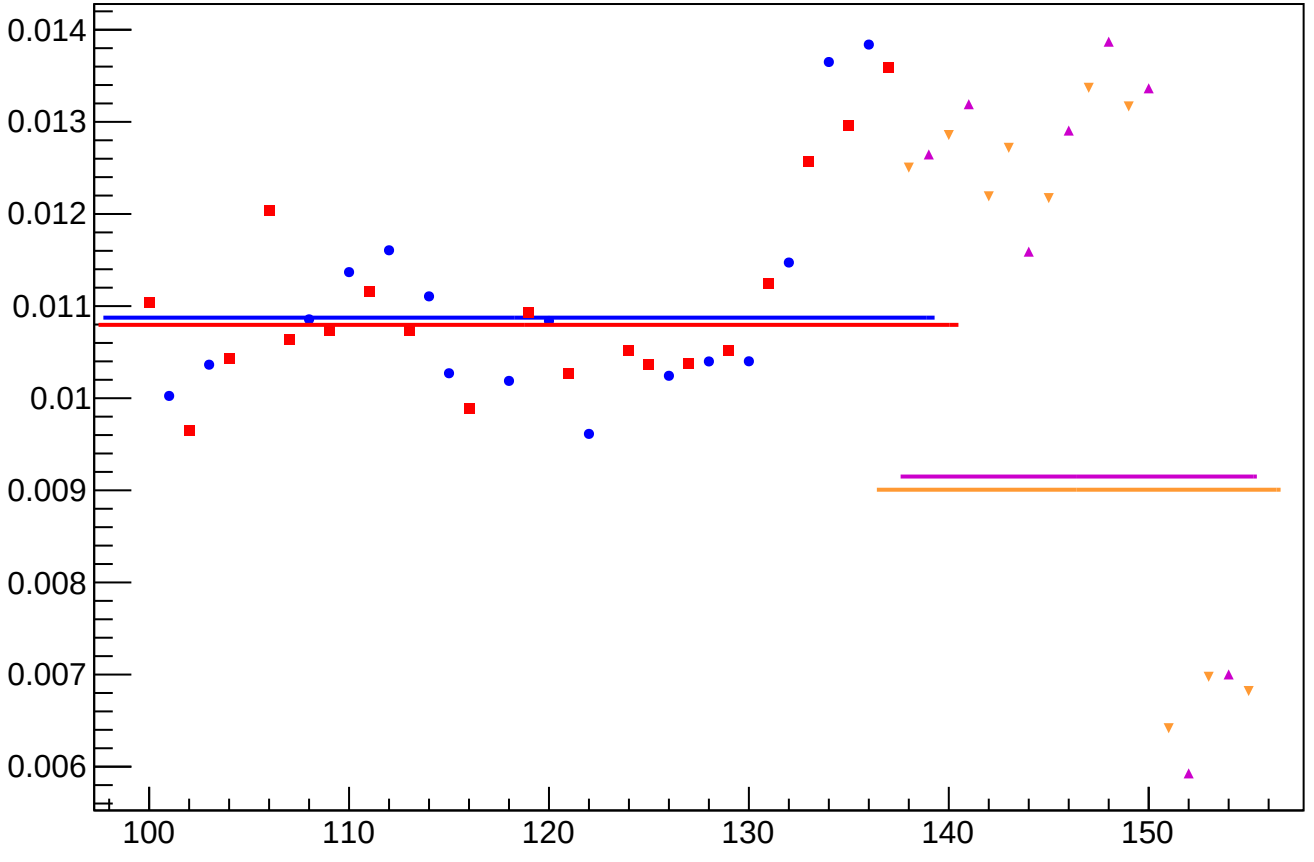
Left In: -0.178+/-0.000 χ^2/NDF:80233165177.4/7

+ sign -0.414+/-0.000 χ^2/NDF: 92292345075.8/25

All: -0.440+/-0.000 χ^2/NDF: 194211904522.1

- sign -0.469+/-0.000 χ^2/NDF: 101711401427.7/26

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:1458090.6/9

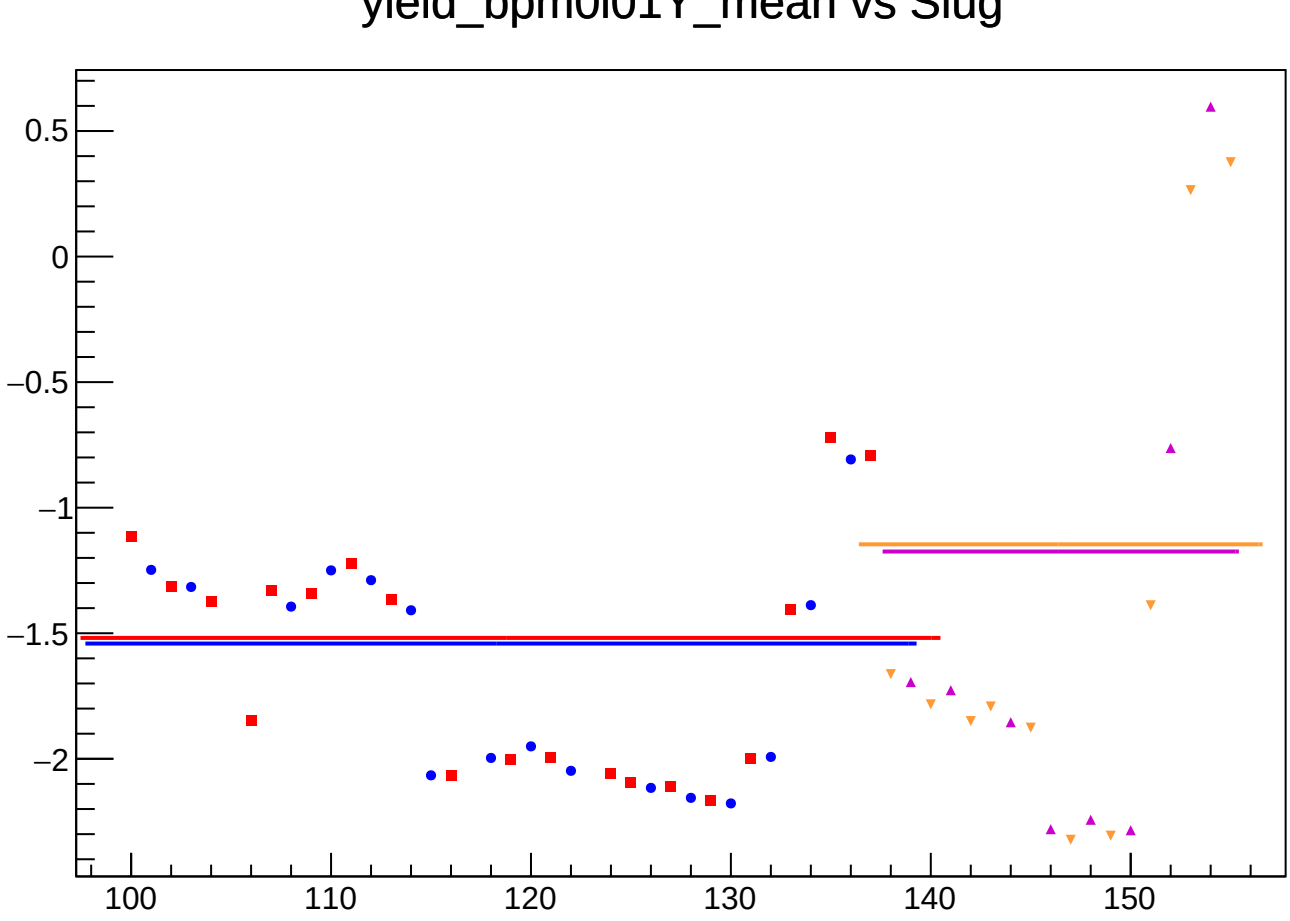
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1535291.5/7

+ sign 0.010+/-0.000 χ^2/NDF: 1860010.5/25

All: 0.010+/-0.000 χ^2/NDF: 3678246.9/52

- sign 0.010+/-0.000 χ^2/NDF: 1815786.5/26



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.146+/-0.000 χ^2/NDF:753238496759.9/9

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

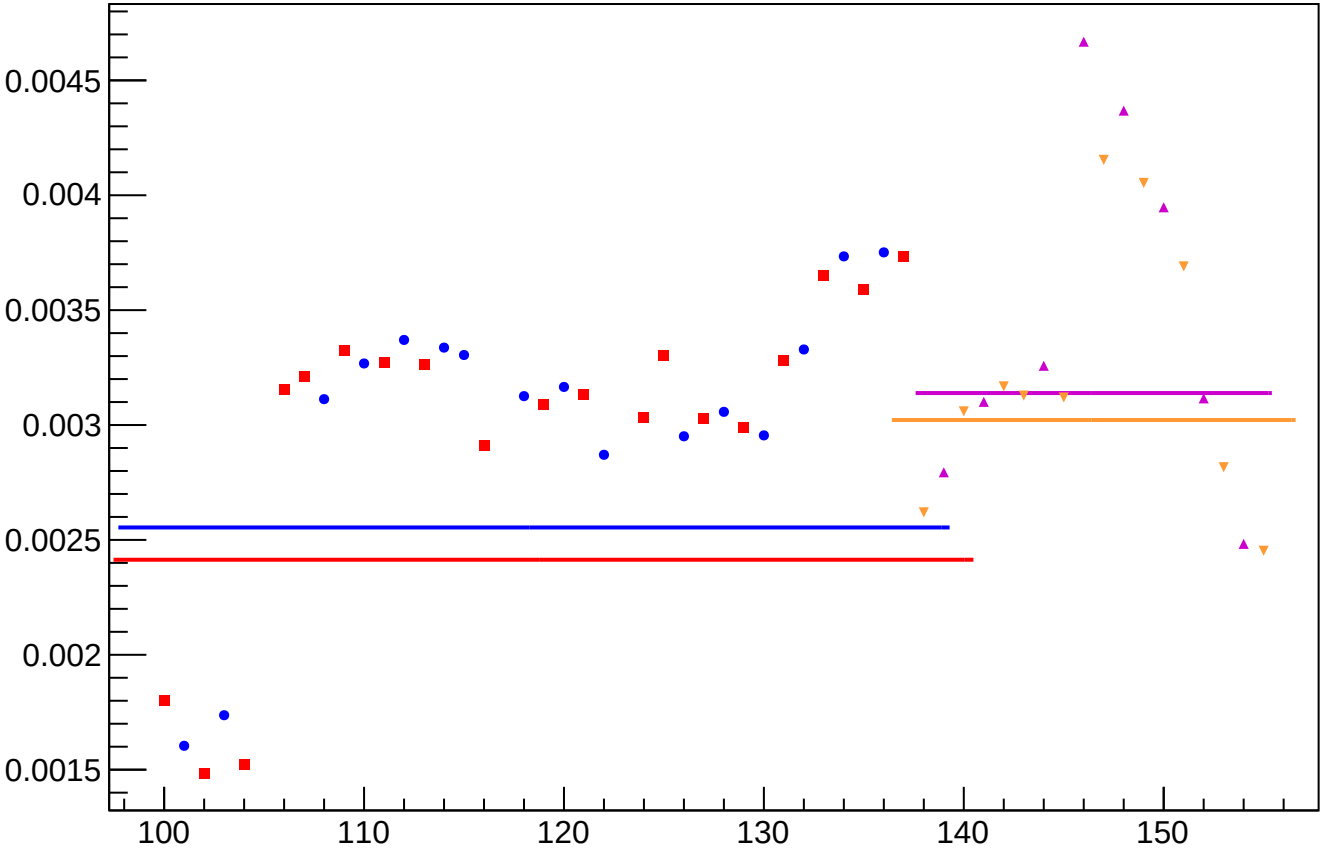
Left In: -1.175+/-0.000 χ^2/NDF:650981491567.4/7

+ sign -1.367+/-0.000 χ^2/NDF: 979408146385.4/25

All: -1.380+/-0.000 χ^2/NDF: 1820180676932

- sign -1.392+/-0.000 χ^2/NDF: 840267326506.9/26

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:351946.9/9

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

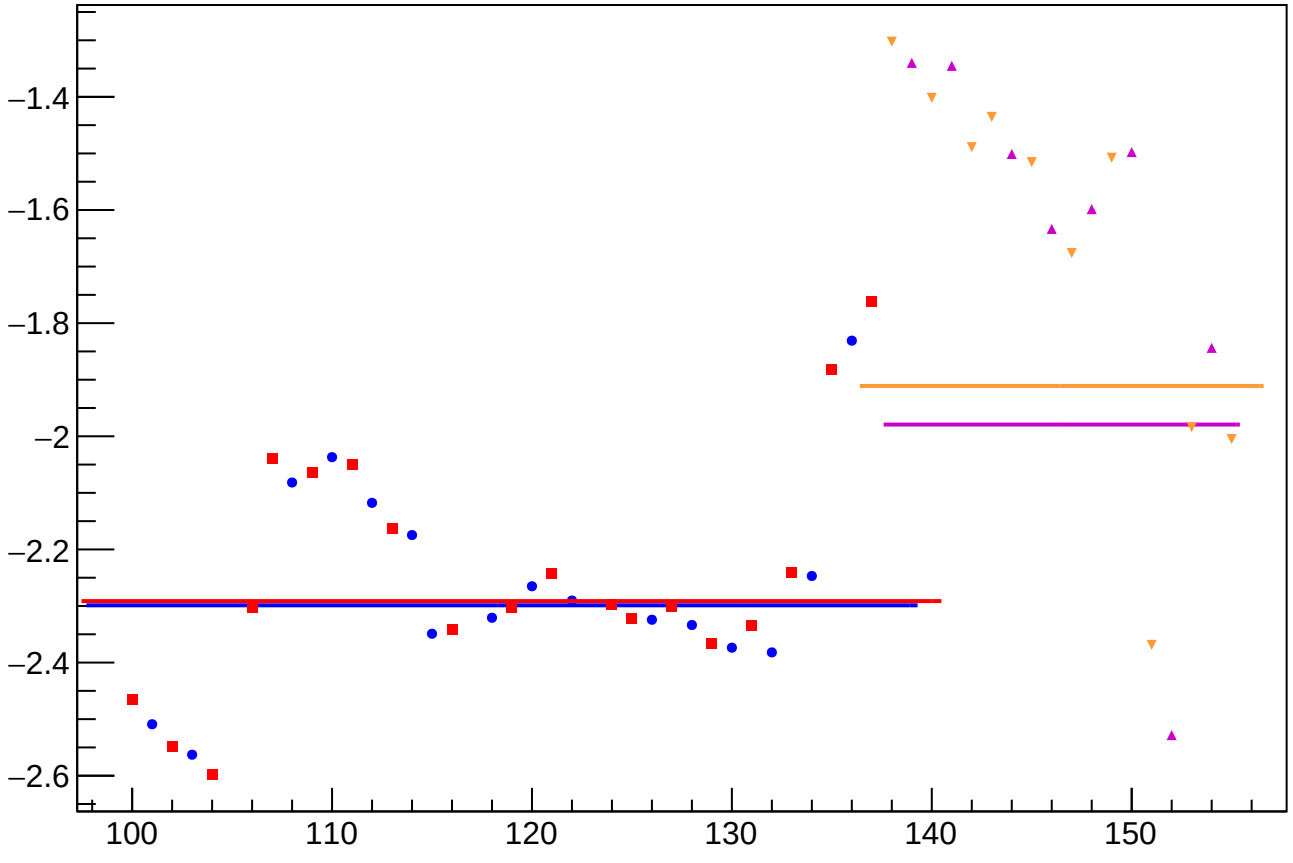
Left In: 0.003+/-0.000 χ^2/NDF:427208.0/7

+ sign 0.003+/-0.000 χ^2/NDF: 1702971.5/25

All: 0.003+/-0.000 χ^2/NDF: 4080695.2/52

- sign 0.003+/-0.000 χ^2/NDF: 2367400.6/26

yield_bpm0i01aX_mean vs Slug



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.911+/-0.000 χ^2/NDF:24423059399.0/9

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

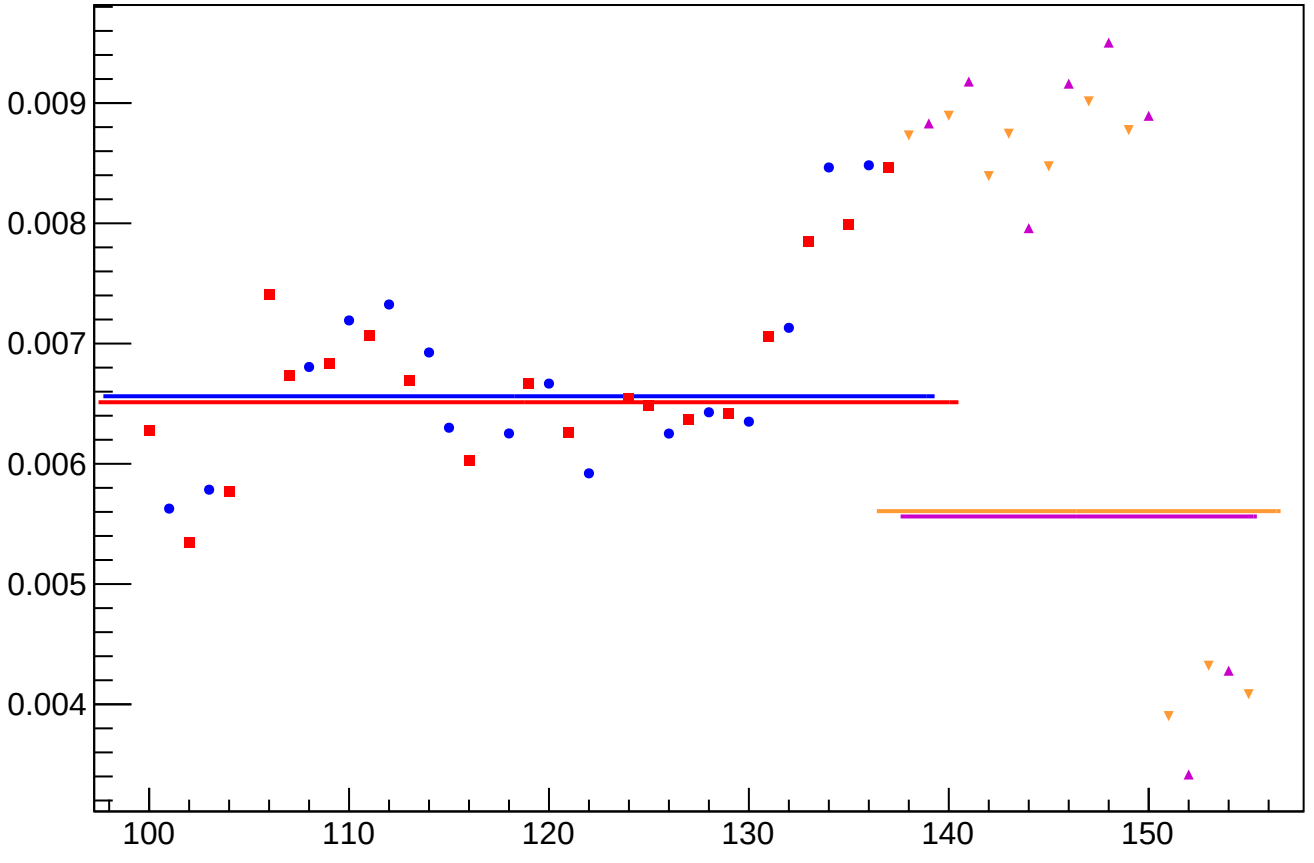
Left In: -1.979+/-0.000 χ^2/NDF:38461601663.5/7

+ sign -2.081+/-0.000 χ^2/NDF: 44149680440.5/25

All: -2.104+/-0.000 χ^2/NDF: 98328843182.6/

- sign -2.129+/-0.000 χ^2/NDF: 53754690260.2/26

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:1966755.6/9

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

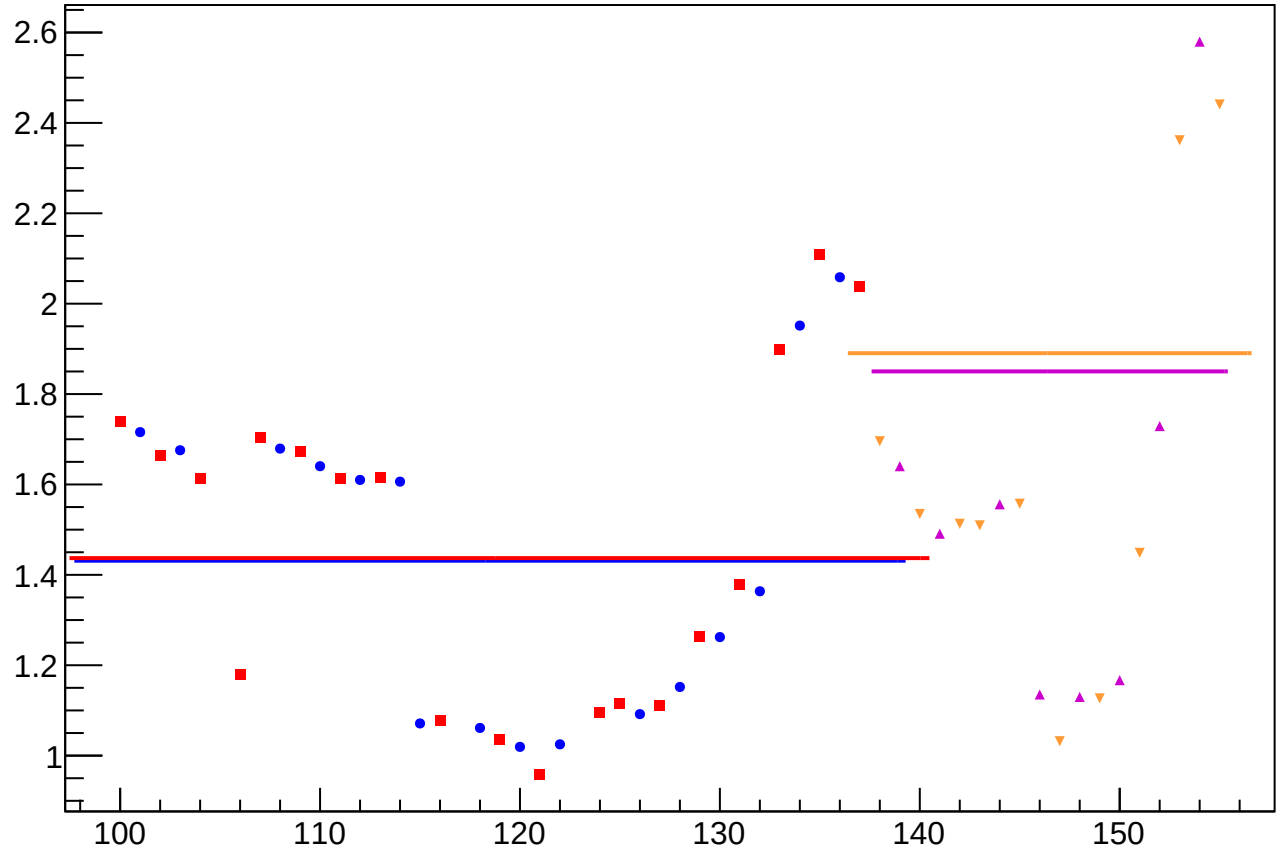
Left In: 0.006+/-0.000 χ^2/NDF:2209646.8/7

+ sign 0.006+/-0.000 χ^2/NDF: 2353743.3/25

All: 0.006+/-0.000 χ^2/NDF: 4905212.8/52

- sign 0.006+/-0.000 χ^2/NDF: 2551459.4/26

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.890+/-0.000 χ^2/NDF:89582804950.7/9

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

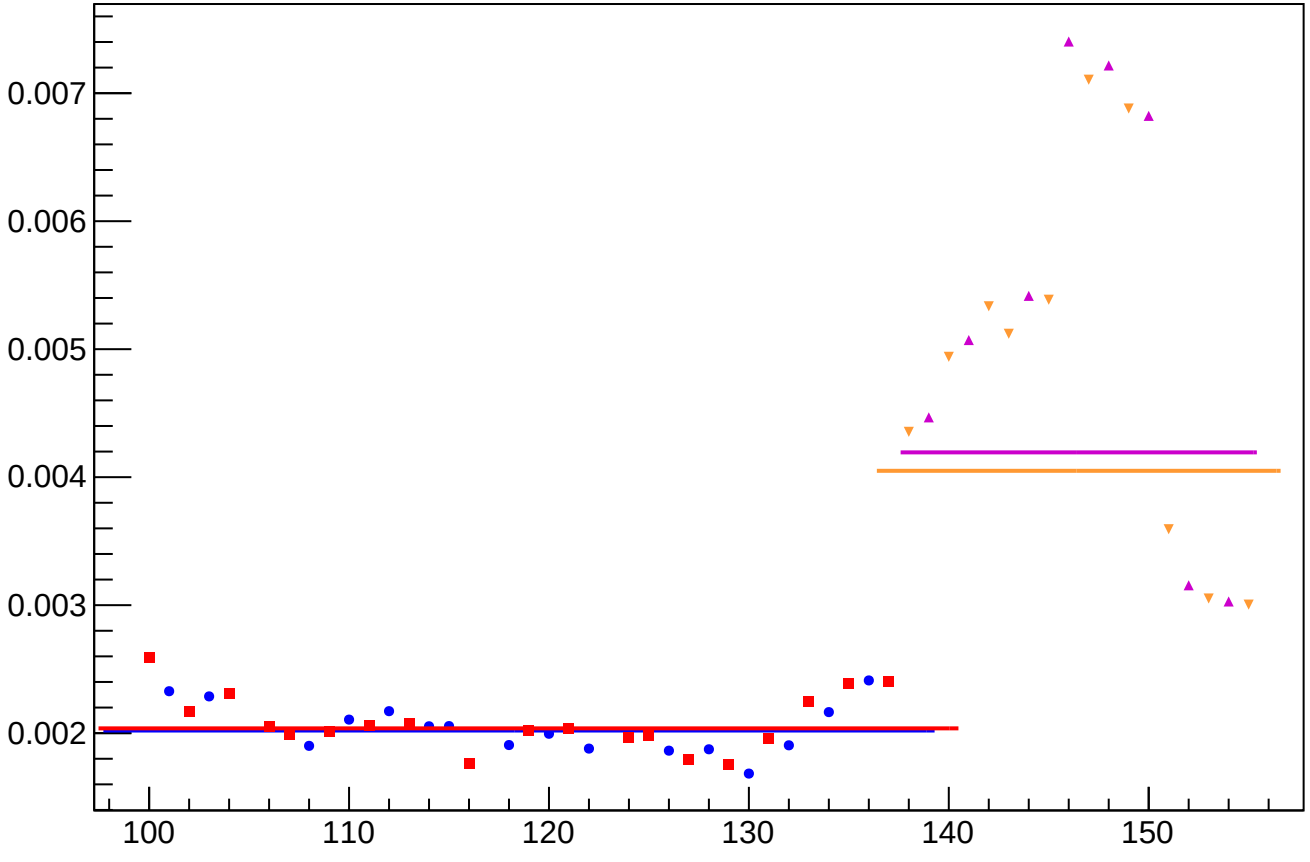
Left In: 1.850+/-0.000 χ^2/NDF:80044804486.9/7

+ sign 1.522+/-0.000 χ^2/NDF: 346344023237.4/25

All: 1.514+/-0.000 χ^2/NDF: 654636332856.1

- sign 1.505+/-0.000 χ^2/NDF: 308015557582.0/26

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1122719.5/9

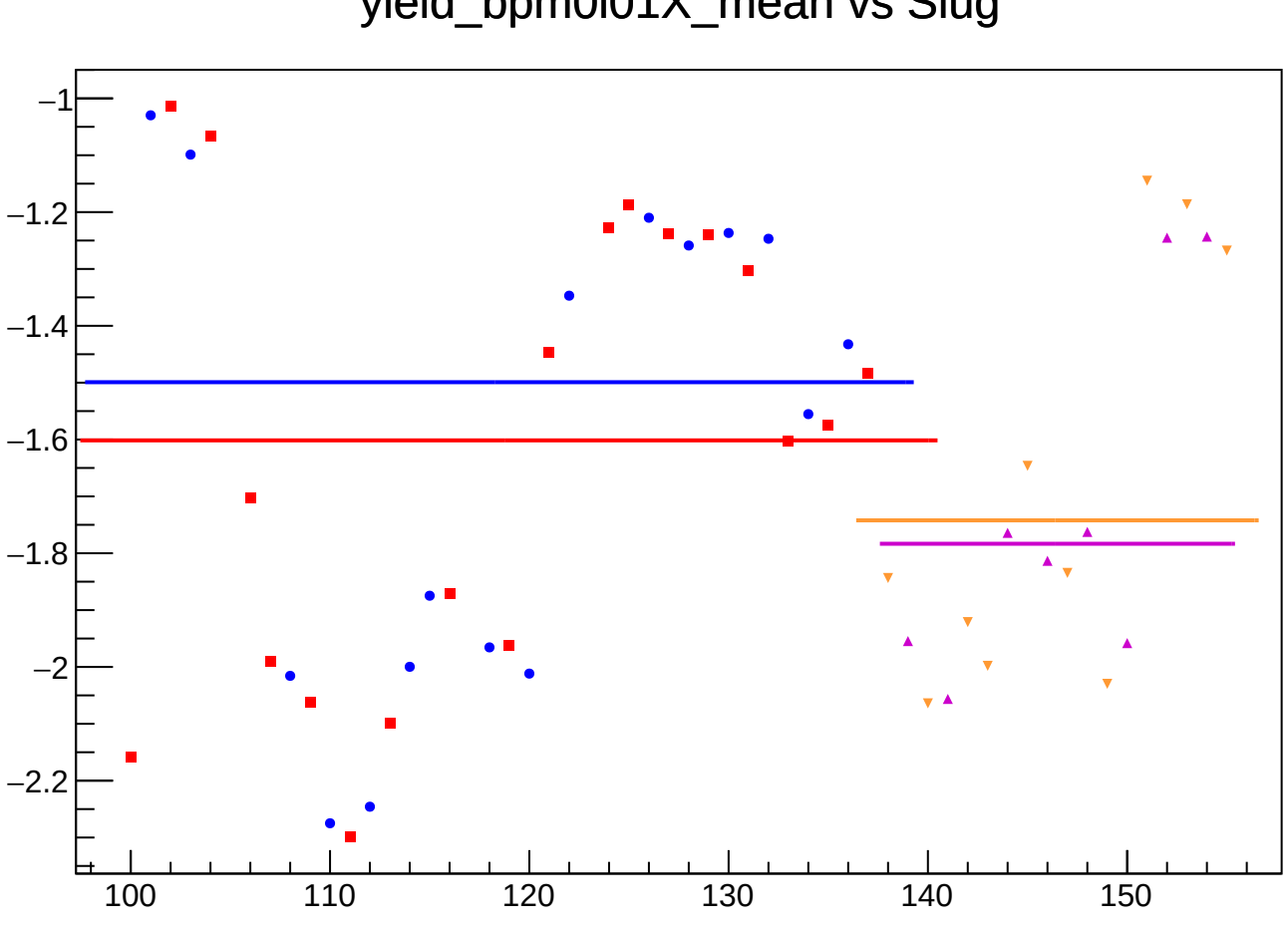
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1281898.0/7

+ sign 0.002+/-0.000 χ^2/NDF: 3917567.1/25

All: 0.002+/-0.000 χ^2/NDF: 7817921.8/52

- sign 0.002+/-0.000 χ^2/NDF: 3898858.3/26



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.742+/-0.000 χ^2/NDF:20778685758.7/9

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

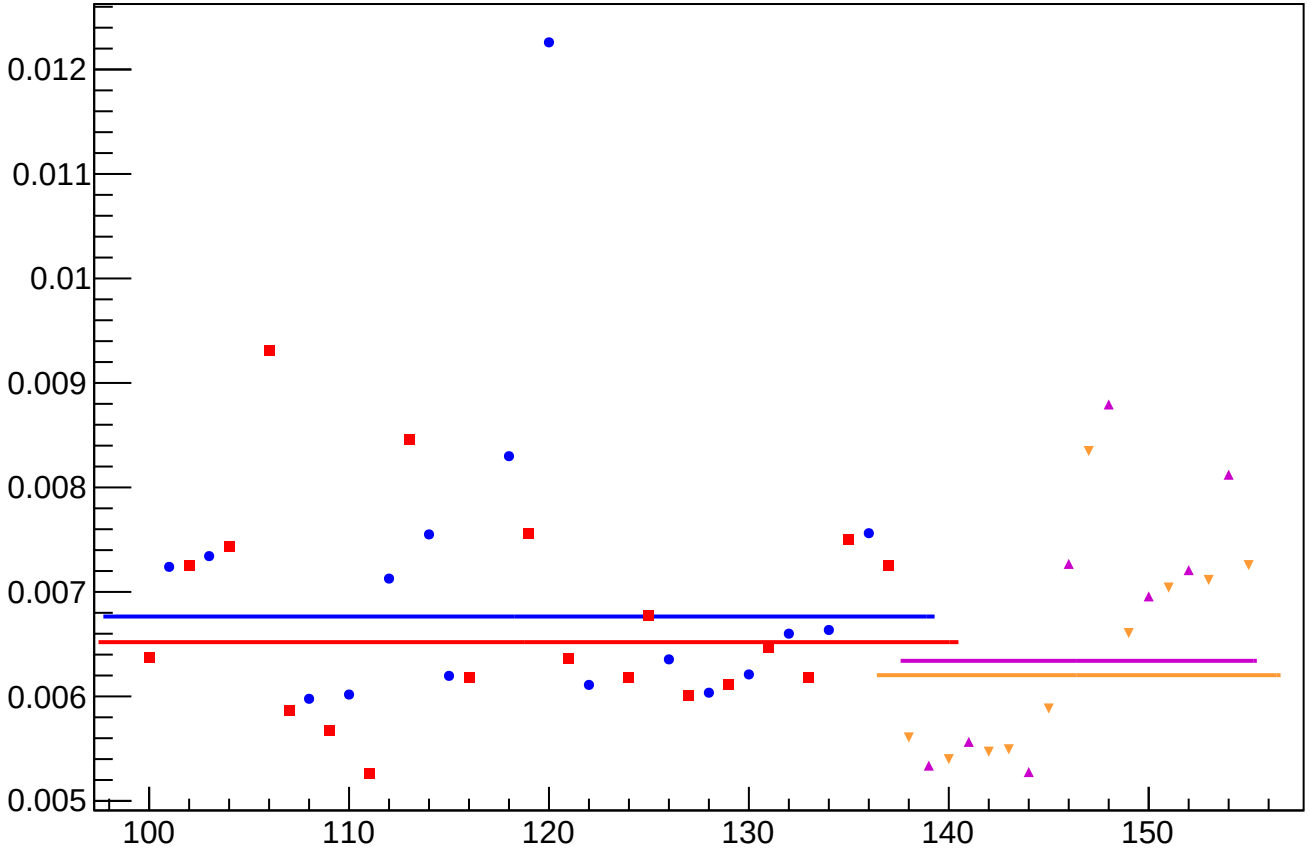
Left In: -1.783+/-0.000 χ^2/NDF:11643851221.2/7

+ sign -1.638+/-0.000 χ^2/NDF: 48493813217.8/25

All: -1.664+/-0.000 χ^2/NDF: 91560942631.2/

- sign -1.691+/-0.000 χ^2/NDF: 42611158941.2/26

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:284416.6/9

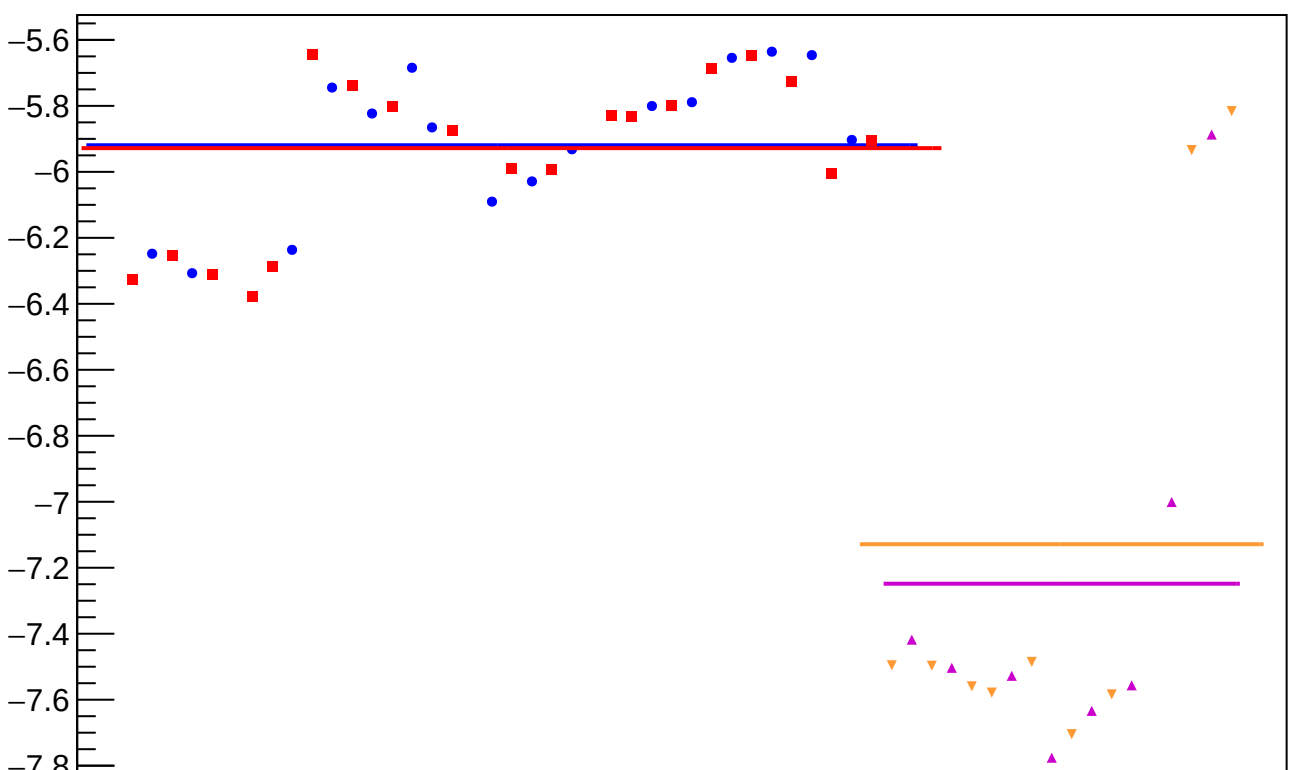
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:418806.3/7

+ sign 0.006+/-0.000 χ^2/NDF: 574017.4/25

All: 0.006+/-0.000 χ^2/NDF: 1243408.4/52

- sign 0.006+/-0.000 χ^2/NDF: 669340.2/26



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.129+/-0.000 χ^2/NDF:41185713942.1/9

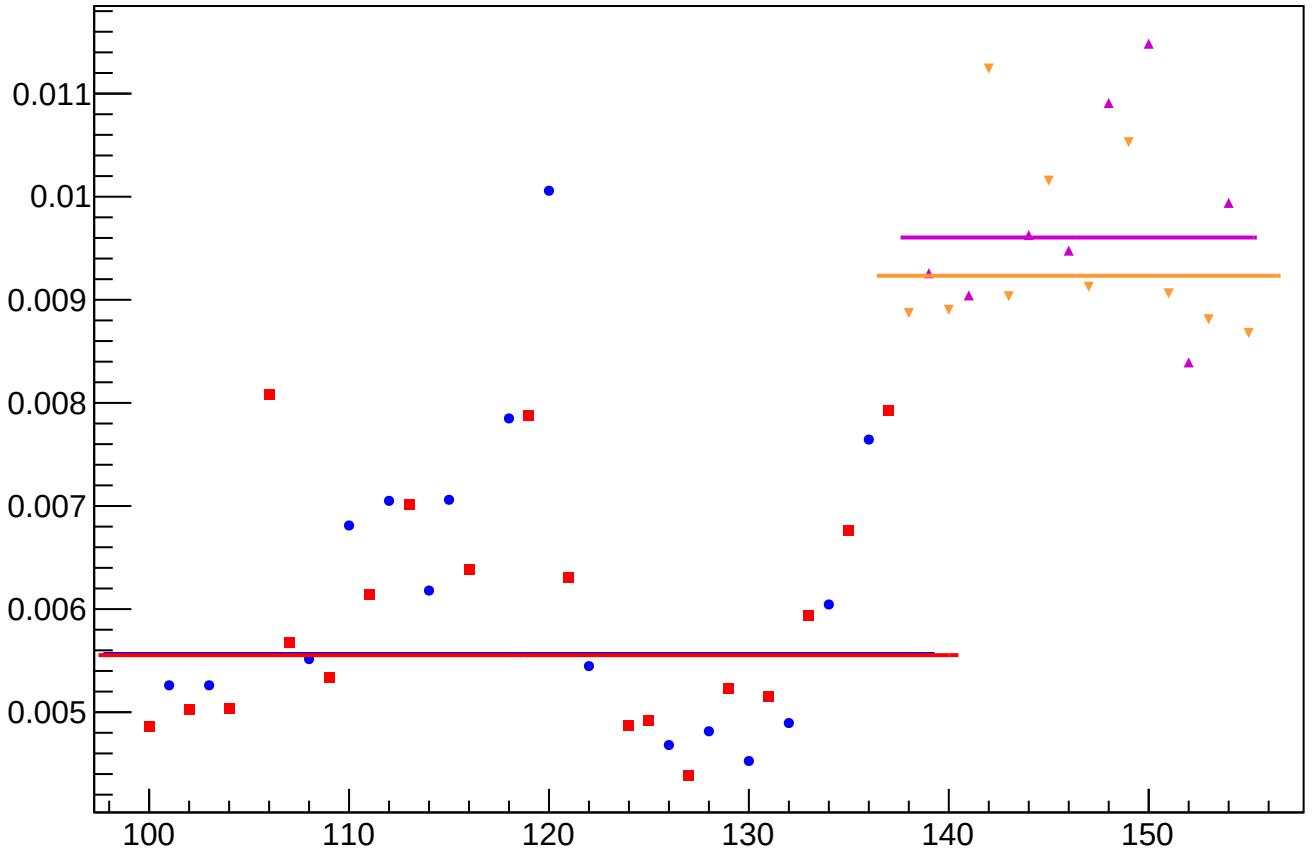
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.248+/-0.000 χ^2/NDF:18754483746.9/7

+ sign -6.226+/-0.000 χ^2/NDF: 126414050604.0/25

All: -6.216+/-0.000 χ^2/NDF: 235113406248.4

- sign -6.206+/-0.000 χ^2/NDF: 108644996446.3/26



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:61475.2/9

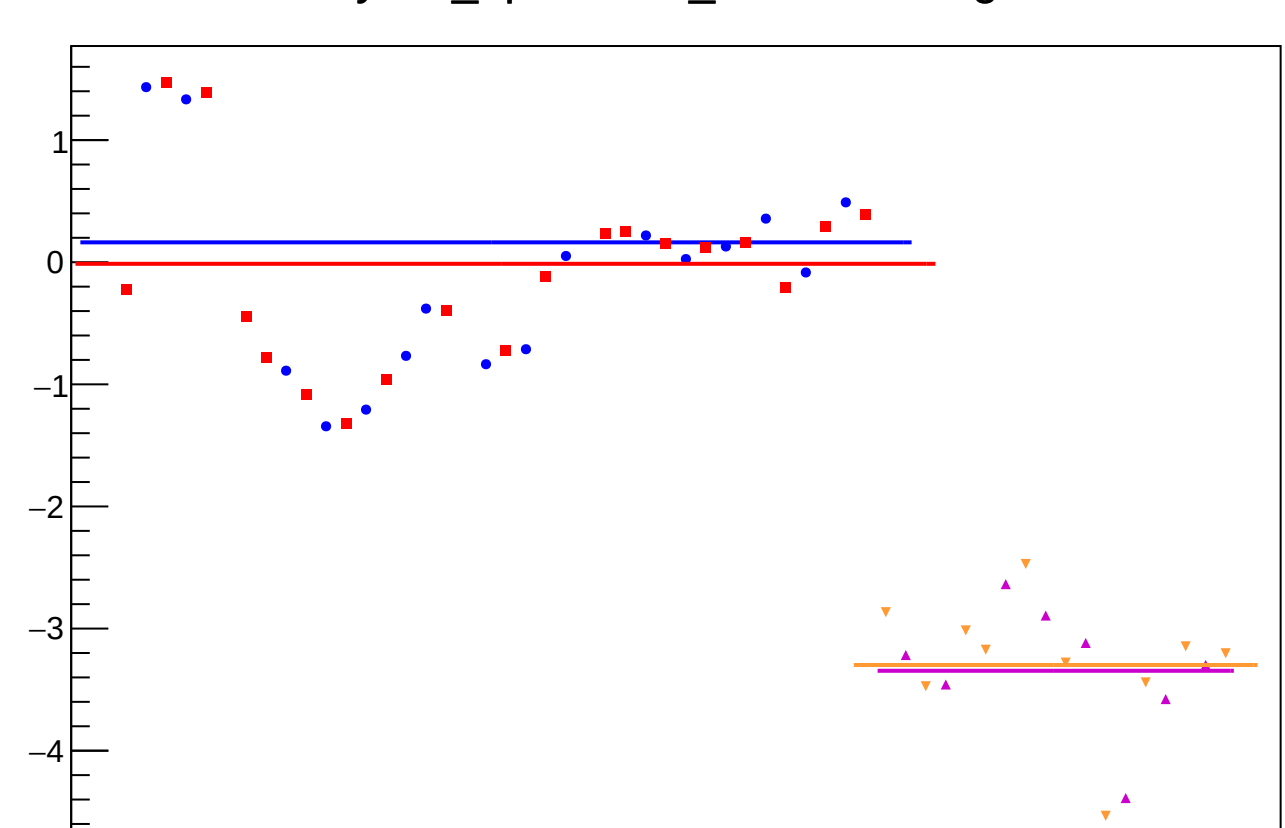
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:91417.0/7

+ sign 0.006+/-0.000 χ^2/NDF: 1909804.6/25

All: 0.006+/-0.000 χ^2/NDF: 3822403.4/52

- sign 0.006+/-0.000 χ^2/NDF: 1910474.2/26



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.298+/-0.000 χ^2/NDF:6311007321.3/9

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

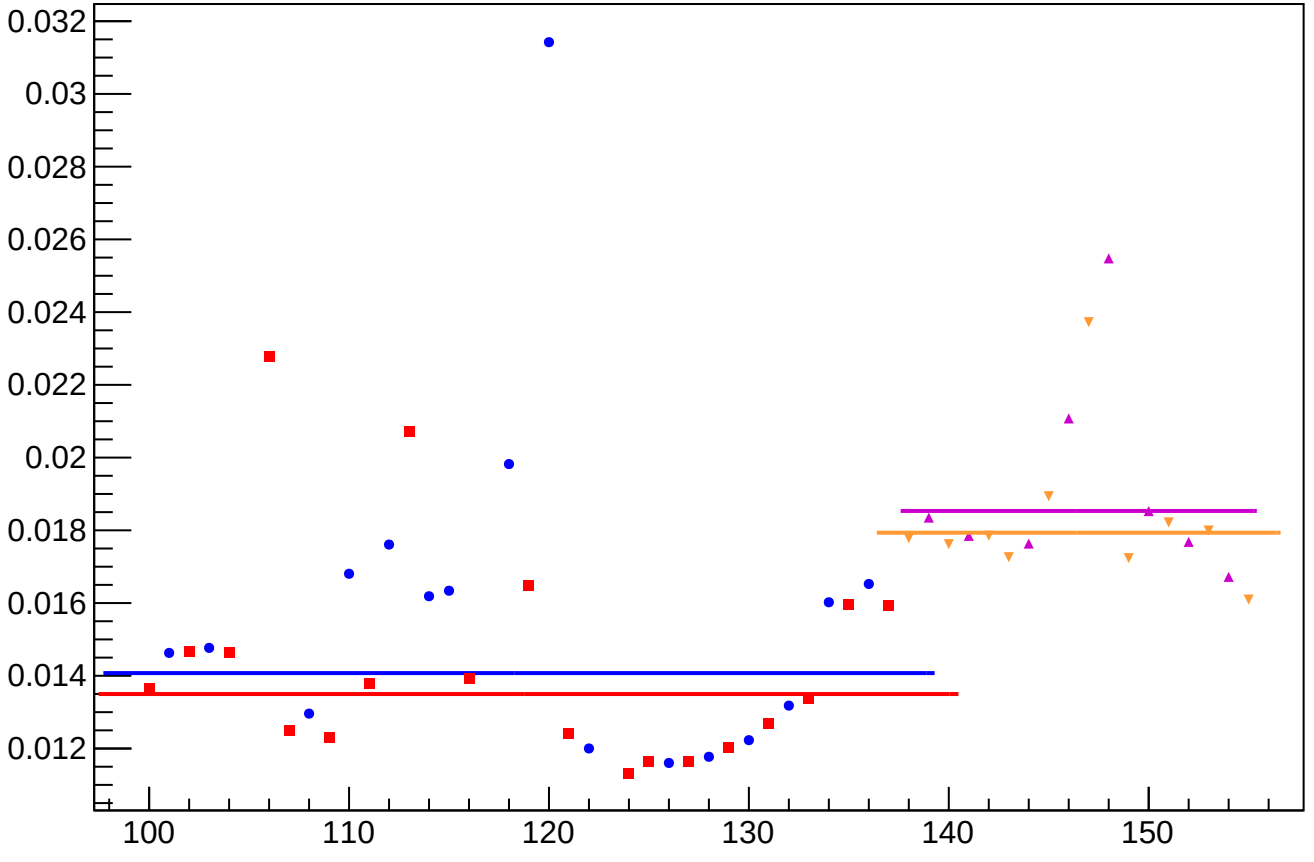
Left In: -3.346+/-0.000 χ^2/NDF:4682672128.2/7

+ sign -1.281+/-0.000 χ^2/NDF: 183322338080.9/25

All: -1.207+/-0.000 χ^2/NDF: 350156066449.3

- sign -1.135+/-0.000 χ^2/NDF: 166246622041.1/26

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:120516.6/9

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

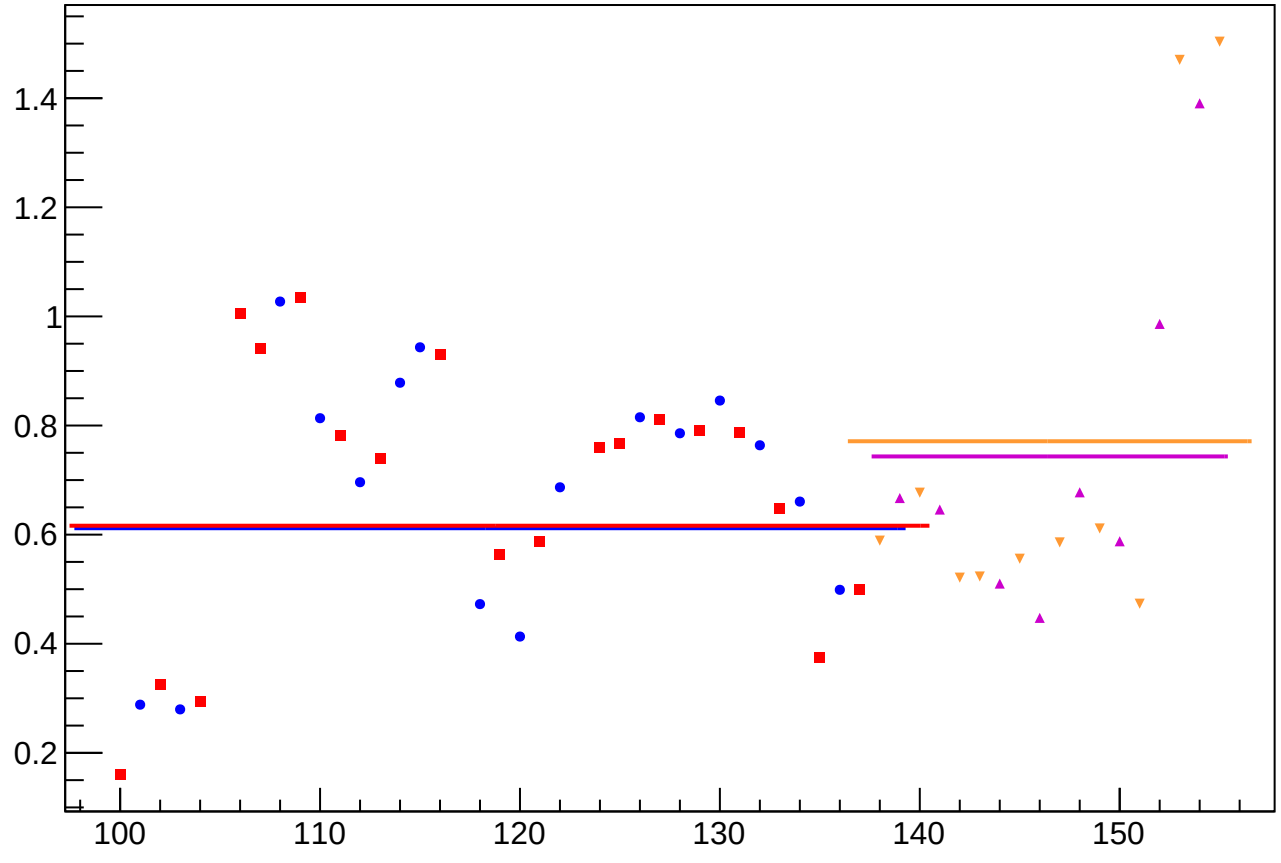
Left In: 0.019+/-0.000 χ^2/NDF:165884.7/7

+ sign 0.016+/-0.000 χ^2/NDF: 981676.3/25

All: 0.015+/-0.000 χ^2/NDF: 2110335.0/52

- sign 0.015+/-0.000 χ^2/NDF: 1115339.8/26

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.771+/-0.000 χ^2/NDF:13256543263.3/9

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

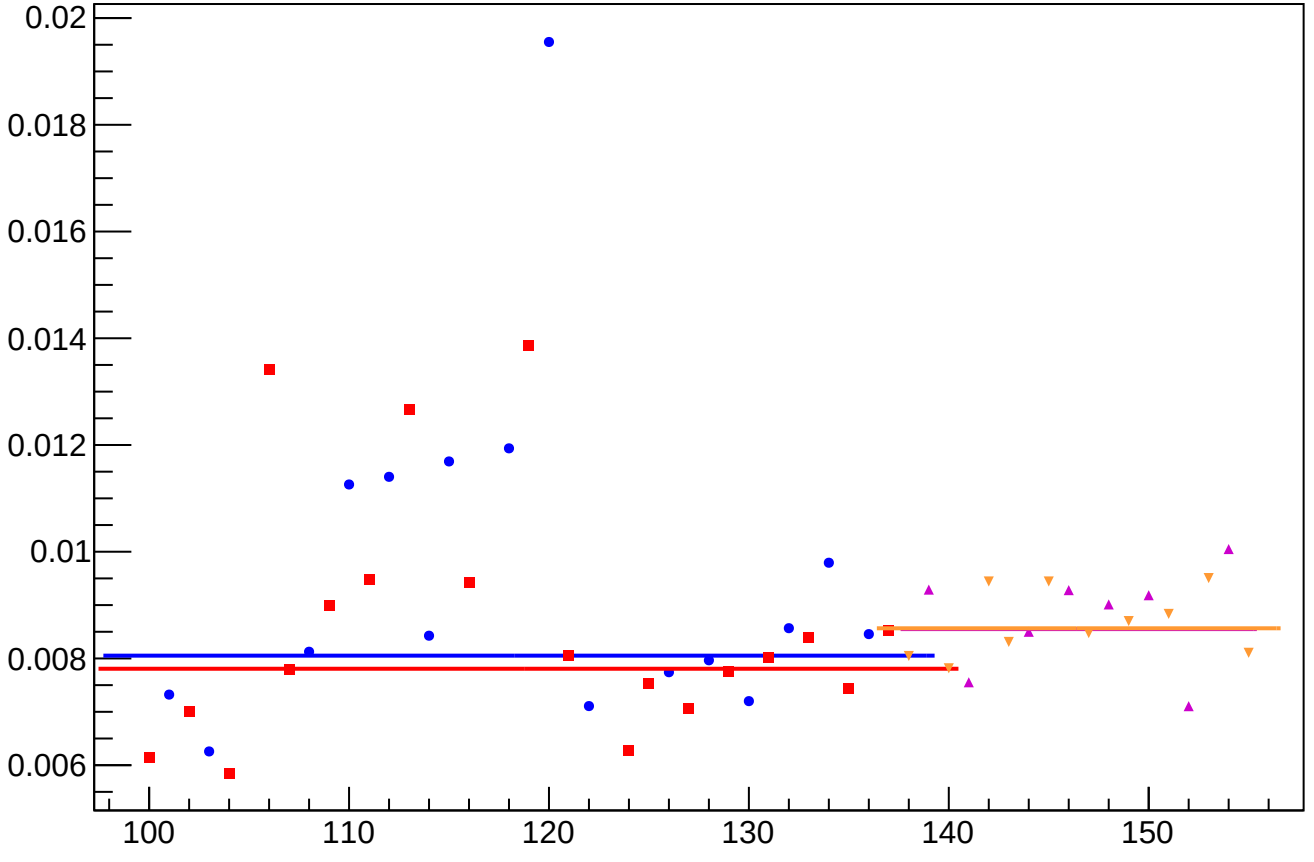
Left In: 0.743+/-0.000 χ^2/NDF:6212181522.6/7

+ sign 0.690+/-0.000 χ^2/NDF: 20080632895.2/25

All: 0.681+/-0.000 χ^2/NDF: 33493691169.9/5

- sign 0.673+/-0.000 χ^2/NDF: 13383000330.5/26

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:60128.6/9

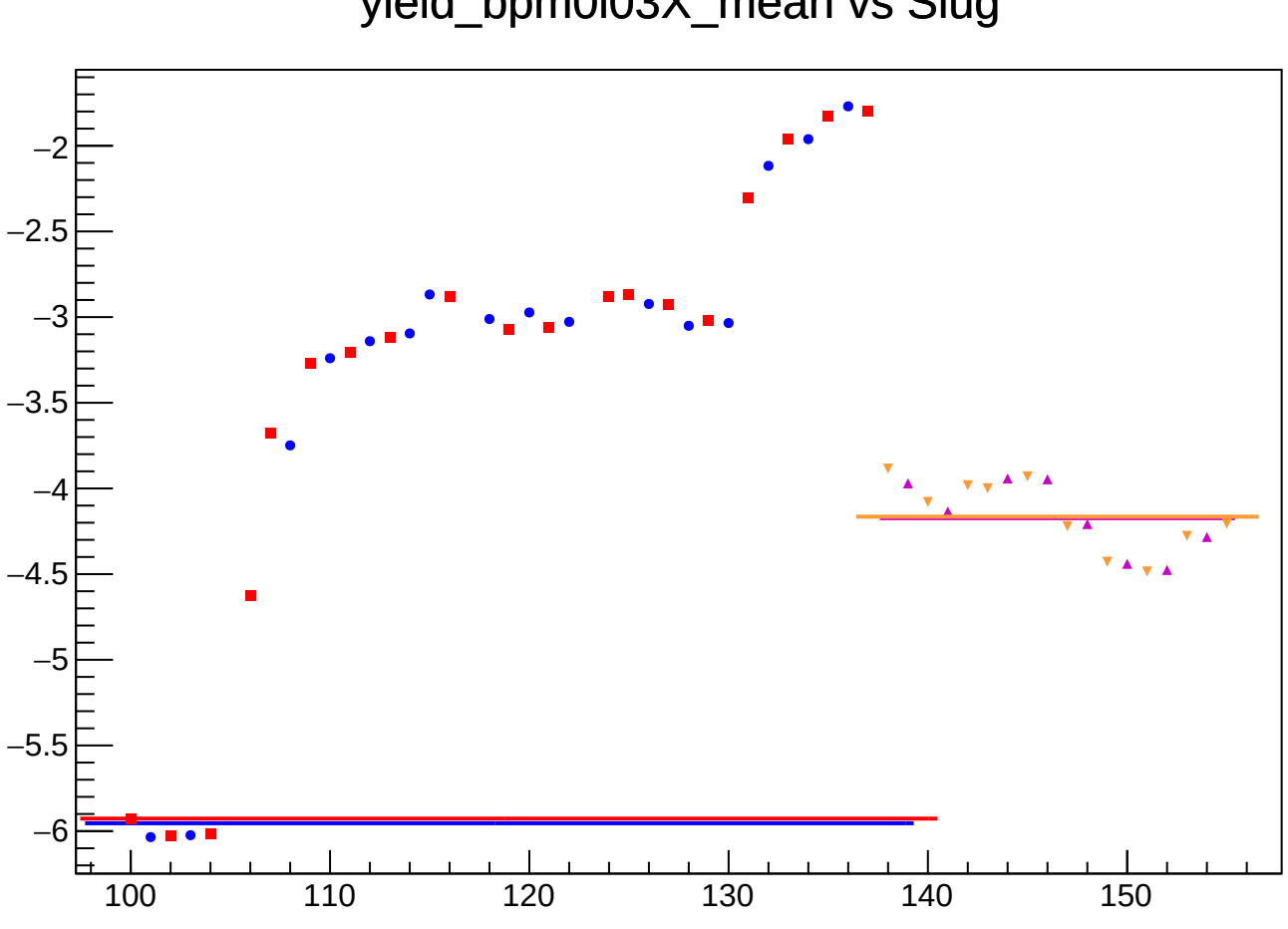
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:157440.7/7

+ sign 0.008+/-0.000 χ^2/NDF: 682946.1/25

All: 0.008+/-0.000 χ^2/NDF: 1484384.3/52

- sign 0.008+/-0.000 χ^2/NDF: 796038.9/26



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.165+/-0.000 χ^2/NDF:50364219.1/9

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

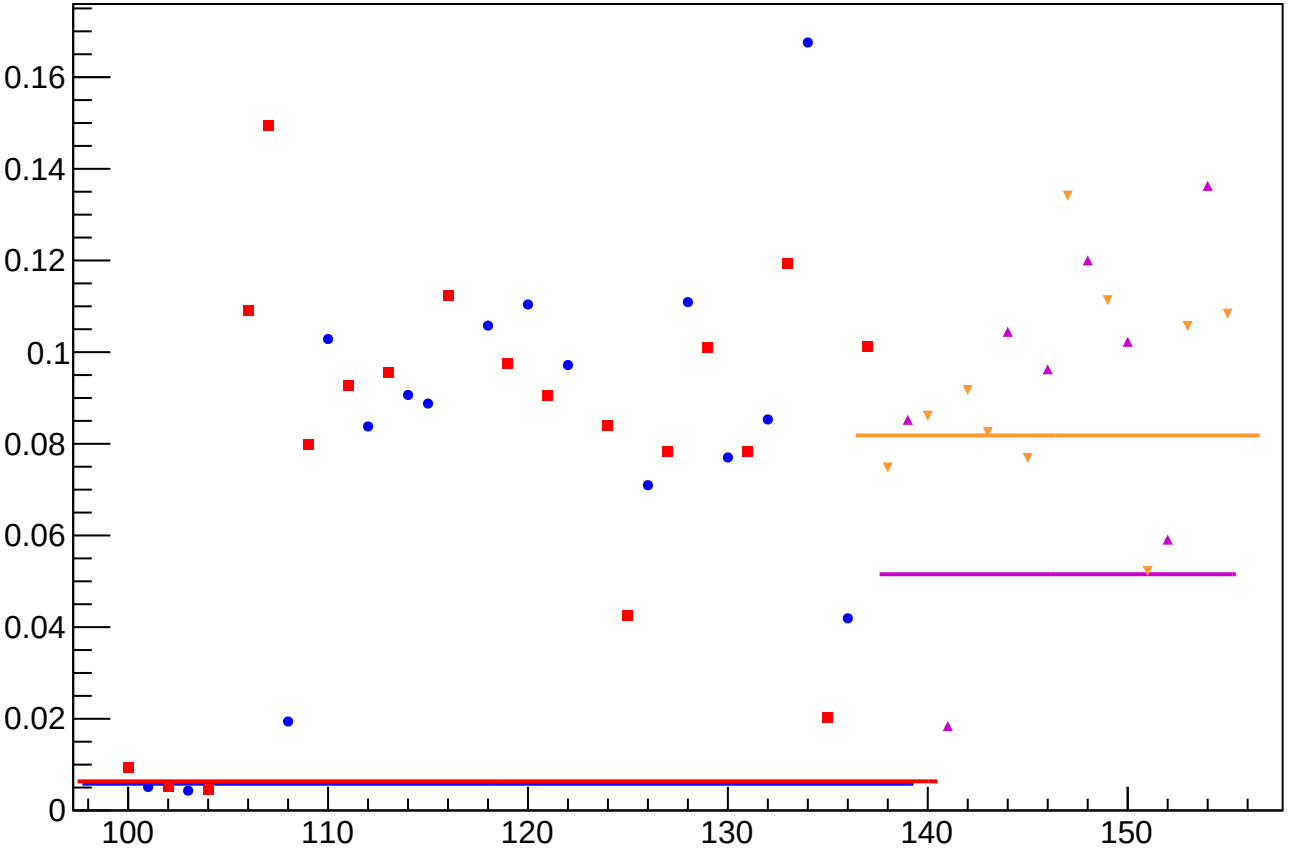
Left In: -4.174+/-0.000 χ^2/NDF:35857421.1/7

+ sign -5.921+/-0.000 χ^2/NDF: 16170106148.6/25

All: -5.901+/-0.000 χ^2/NDF: 33992688921.5/

- sign -5.875+/-0.000 χ^2/NDF: 17772532764.8/26

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.082+/-0.000 χ^2/NDF:907650.2/9

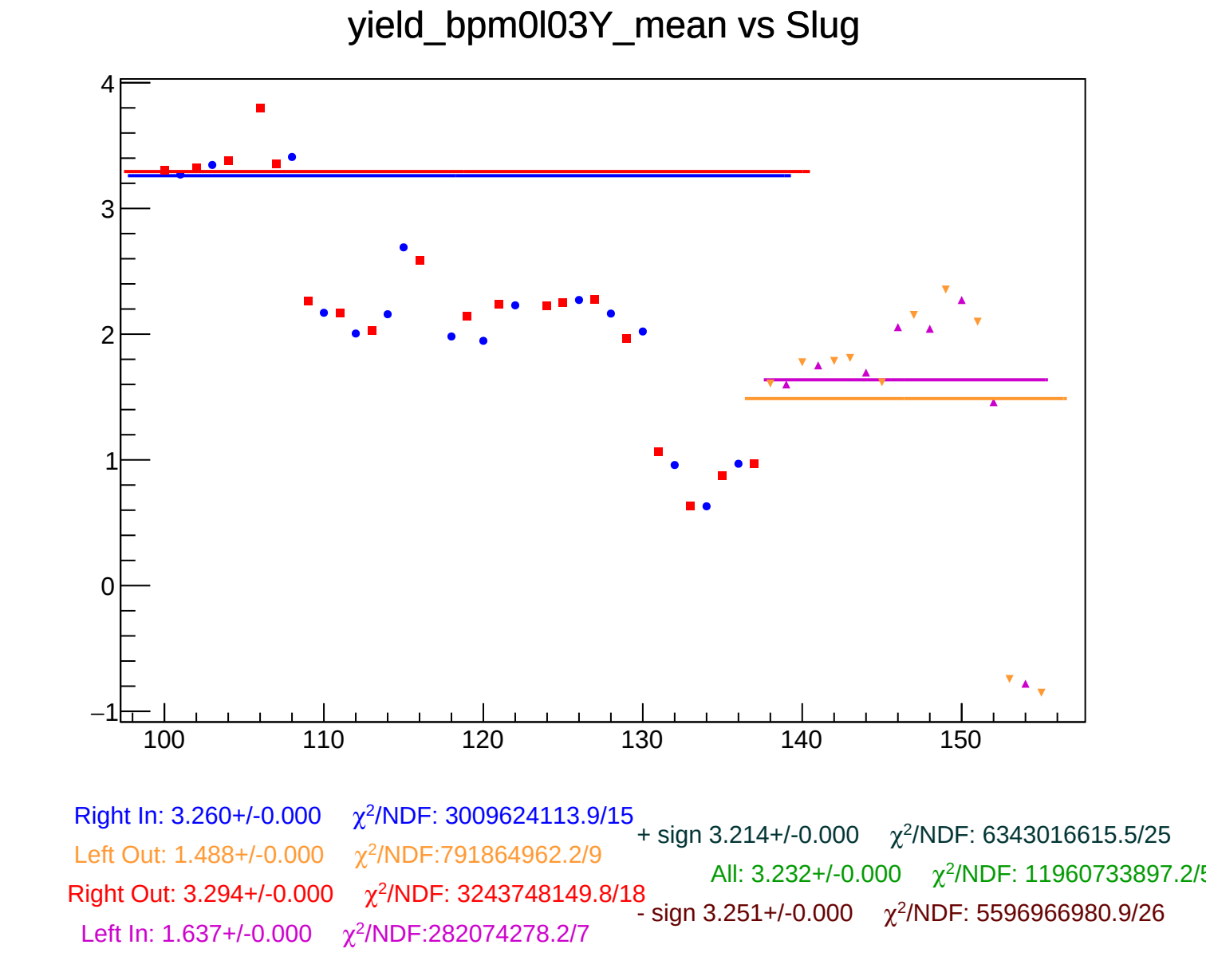
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.052+/-0.000 χ^2/NDF:3881331.1/7

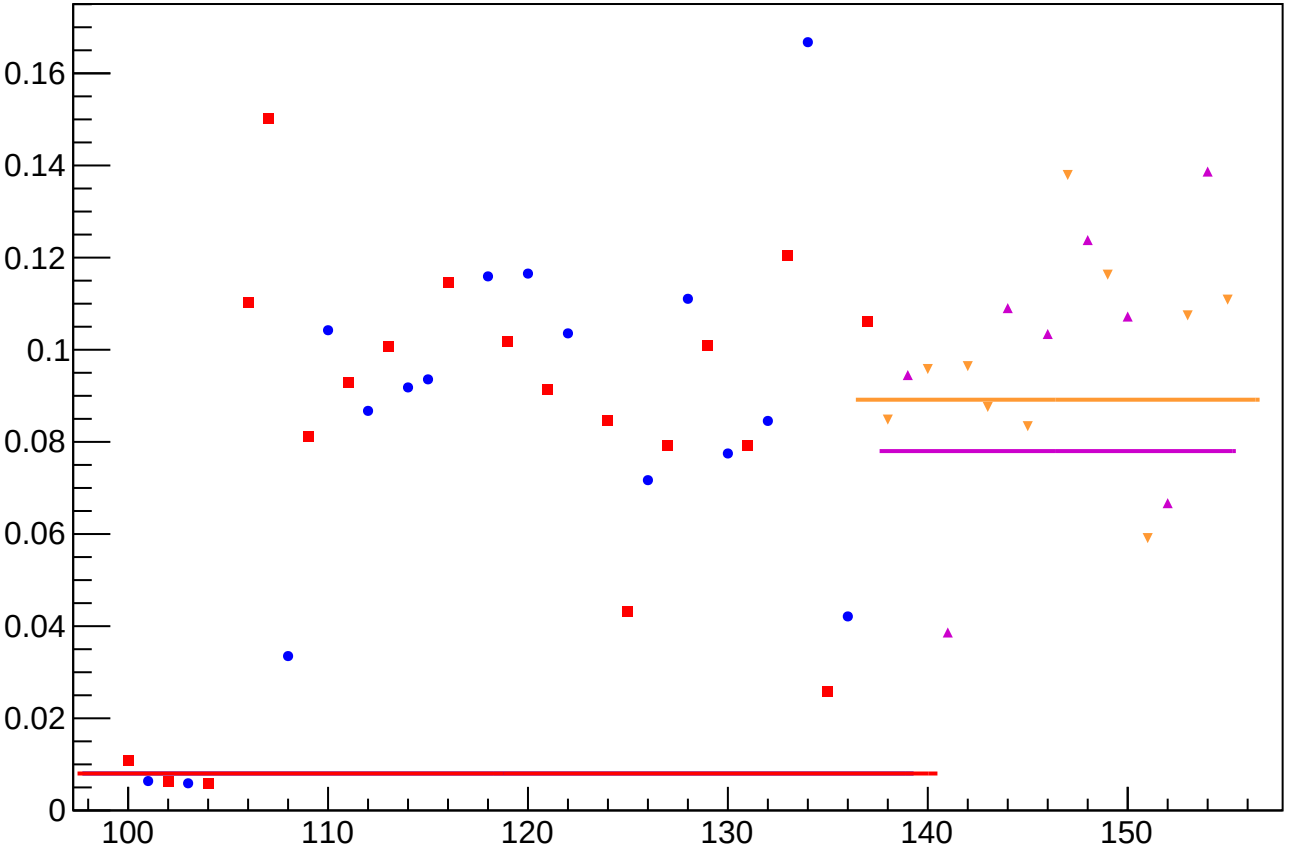
+ sign 0.007+/-0.000 χ^2/NDF: 20499463.4/25

All: 0.007+/-0.000 χ^2/NDF: 38210185.3/52

- sign 0.008+/-0.000 χ^2/NDF: 17701668.8/26


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 3.260+/-0.000 χ²/NDF: 3009624113.9/15
Left Out: 1.488+/-0.000 χ²/NDF:791864962.2/9
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 1.637+/-0.000 χ²/NDF:282074278.2/7
+ sign 3.214+/-0.000 χ²/NDF: 6343016615.5/25
All: 3.232+/-0.000 χ²/NDF: 11960733897.2/5
- sign 3.251+/-0.000 χ²/NDF: 5596966980.9/26

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.089+/-0.000 χ^2/NDF:710025.8/9

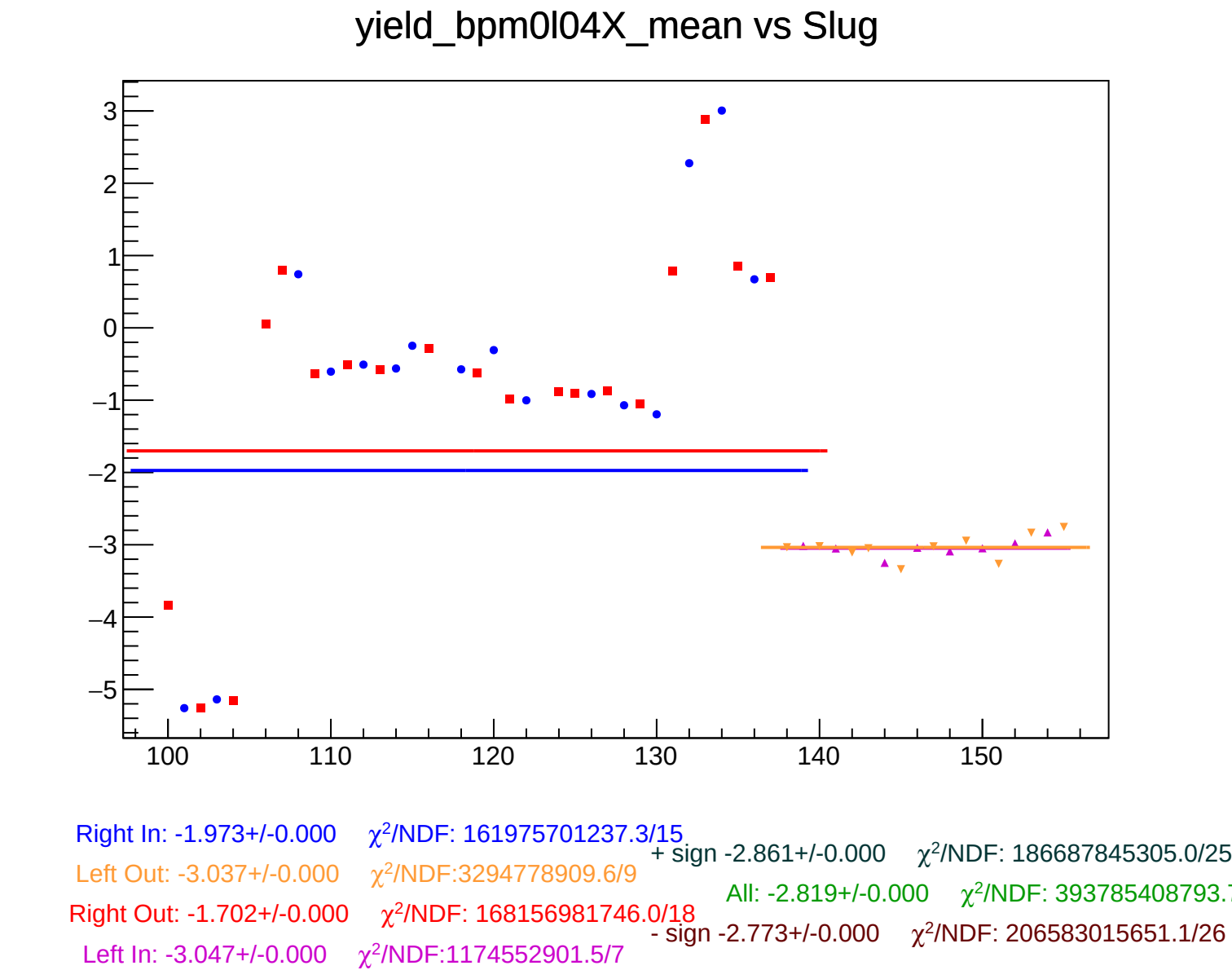
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.078+/-0.000 χ^2/NDF:1679839.6/7

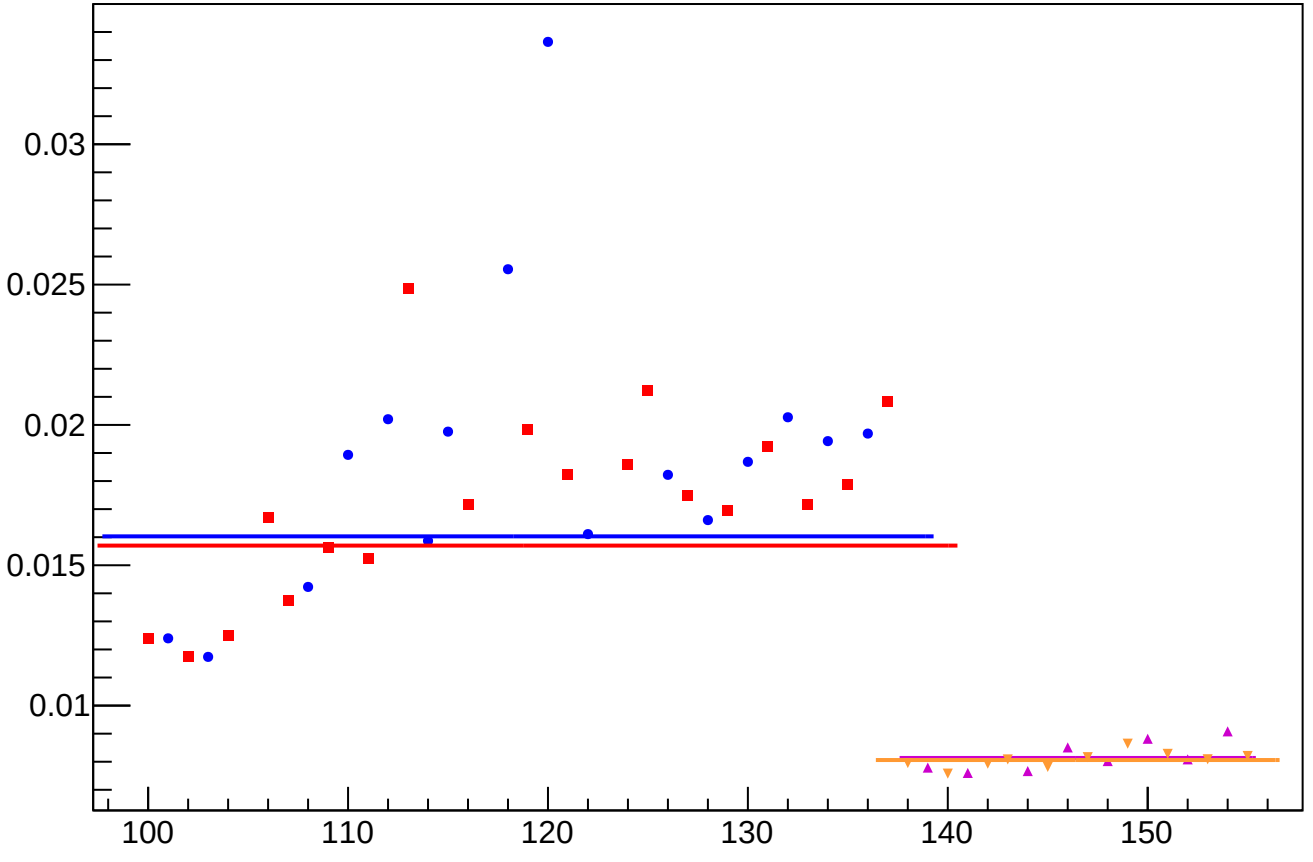
+ sign 0.010+/-0.000 χ^2/NDF: 19770662.2/25

All: 0.010+/-0.000 χ^2/NDF: 37387897.7/52

- sign 0.010+/-0.000 χ^2/NDF: 17614208.1/26


yield_bpm0l04X_mean vs Slug
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
Right In: -1.973+/-0.000 χ²/NDF: 161975701237.3/15
Left Out: -3.037+/-0.000 χ²/NDF:3294778909.6/9
Right Out: -1.702+/-0.000 χ²/NDF: 168156981746.0/18
Left In: -3.047+/-0.000 χ²/NDF:1174552901.5/7
+ sign -2.861+/-0.000 χ²/NDF: 186687845305.0/25
All: -2.819+/-0.000 χ²/NDF: 393785408793.
- sign -2.773+/-0.000 χ²/NDF: 206583015651.1/26

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:17874.2/9

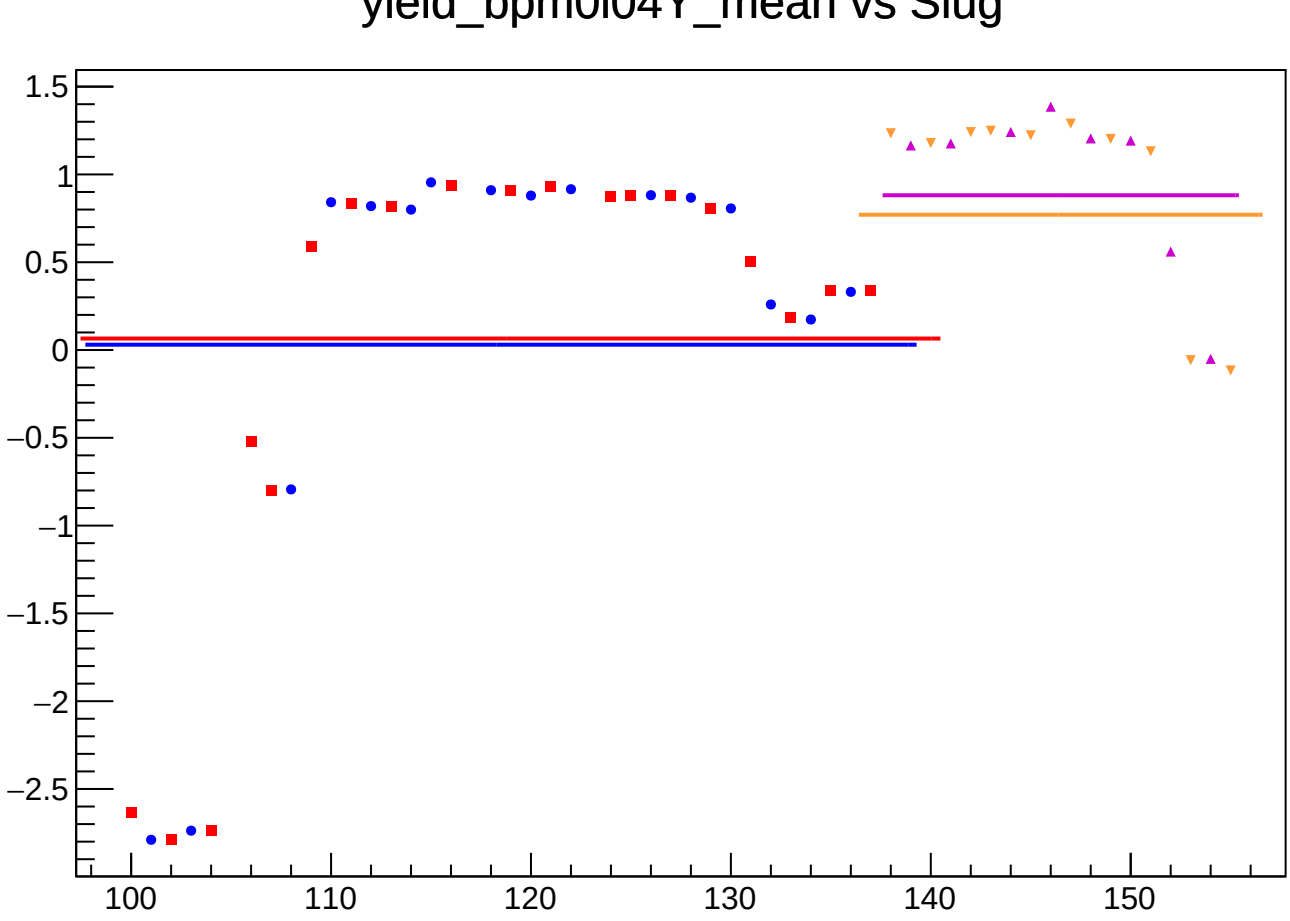
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:50180.0/7

+ sign 0.009+/-0.000 χ^2/NDF: 3157463.3/25

All: 0.010+/-0.000 χ^2/NDF: 6079452.9/52

- sign 0.010+/-0.000 χ^2/NDF: 2909742.6/26



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.771+/-0.000 χ^2/NDF:46785858126.9/9

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

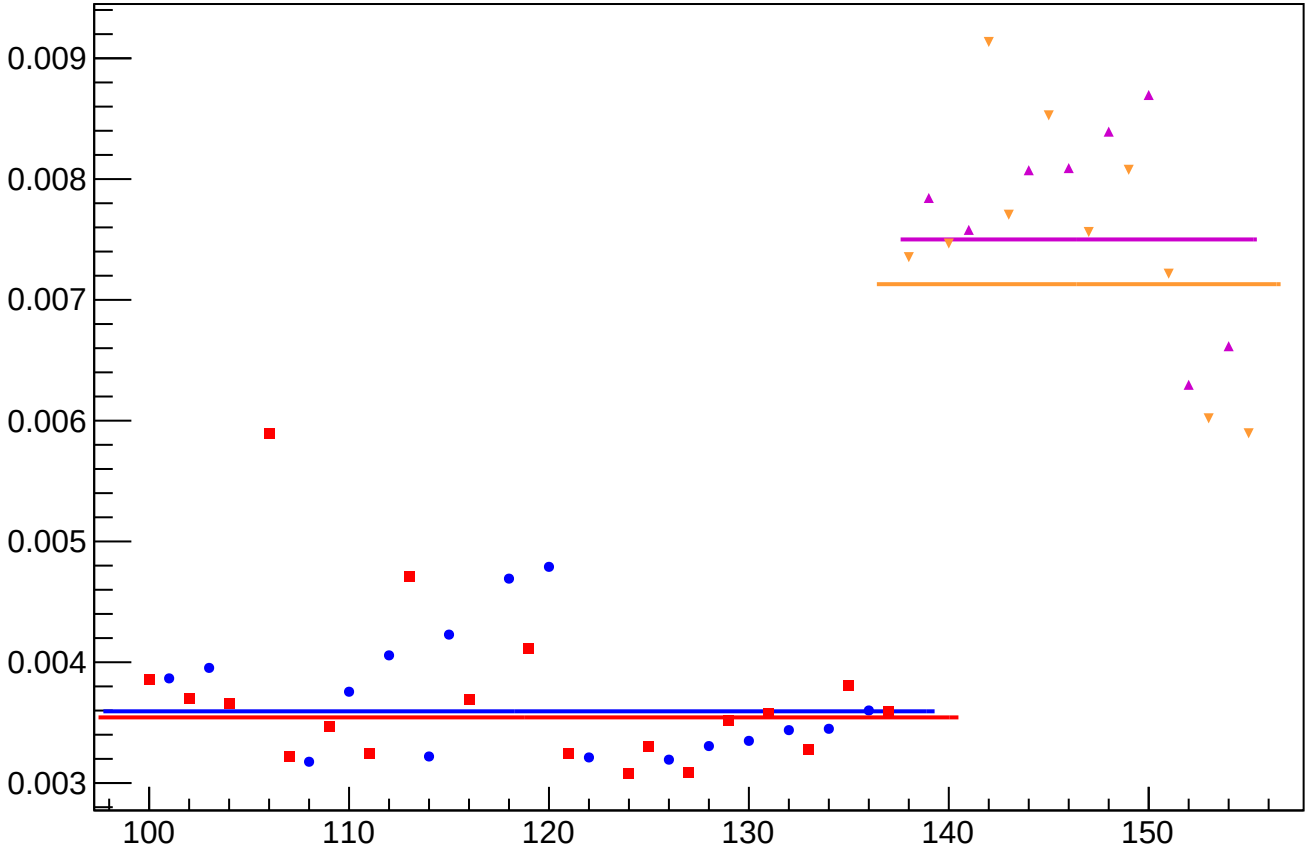
Left In: 0.881+/-0.000 χ^2/NDF:25166345225.9/7

+ sign 0.171+/-0.000 χ^2/NDF: 952662183040.2/25

All: 0.180+/-0.000 χ^2/NDF: 1970076525234.

- sign 0.189+/-0.000 χ^2/NDF: 1017301710201.0/26

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:217386.2/9

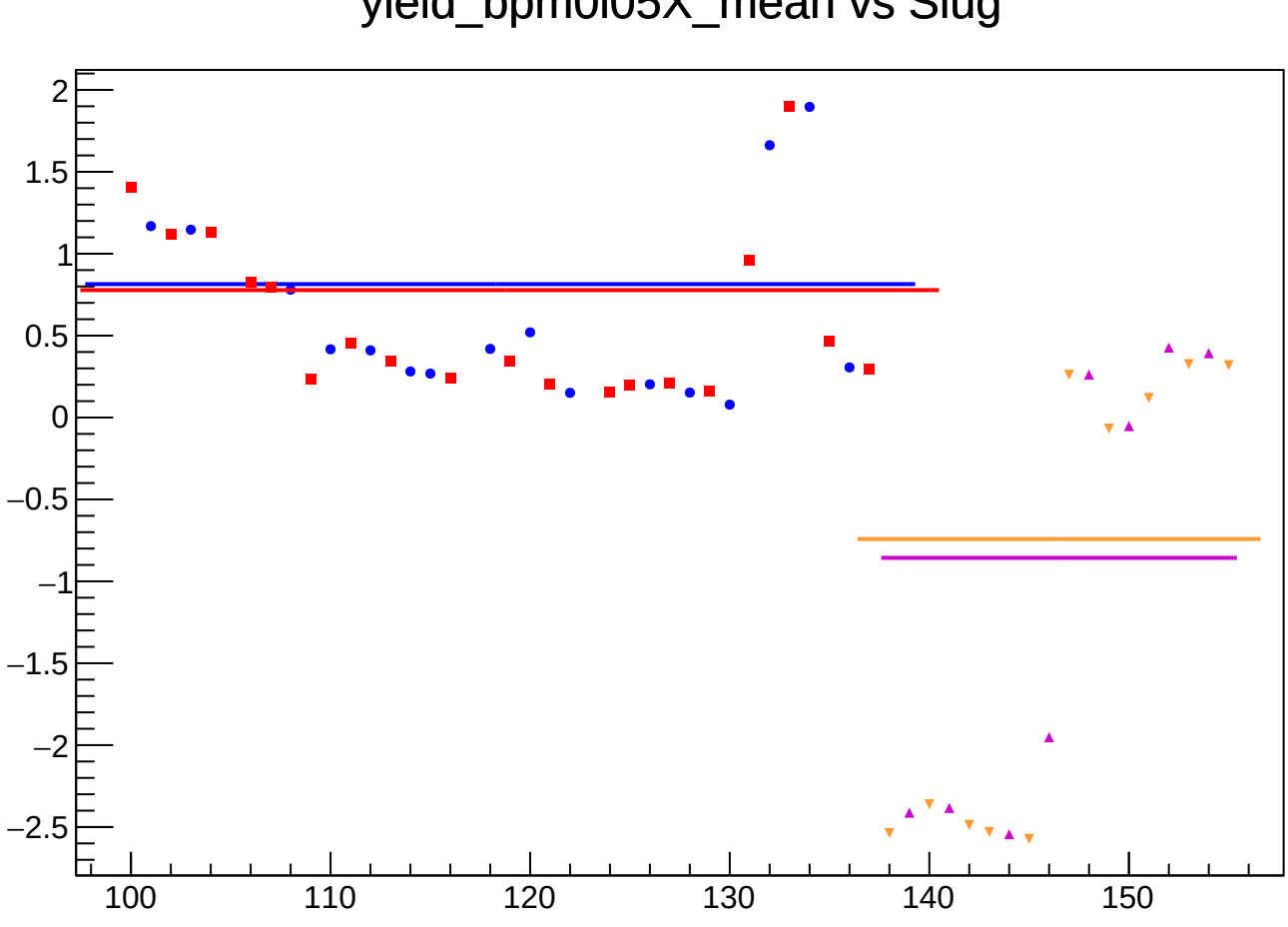
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:141483.3/7

+ sign 0.004+/-0.000 χ^2/NDF: 2871535.9/25

All: 0.004+/-0.000 χ^2/NDF: 5910737.5/52

- sign 0.004+/-0.000 χ^2/NDF: 3029786.2/26



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.742+/-0.000 χ^2/NDF:277004220050.4/9

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

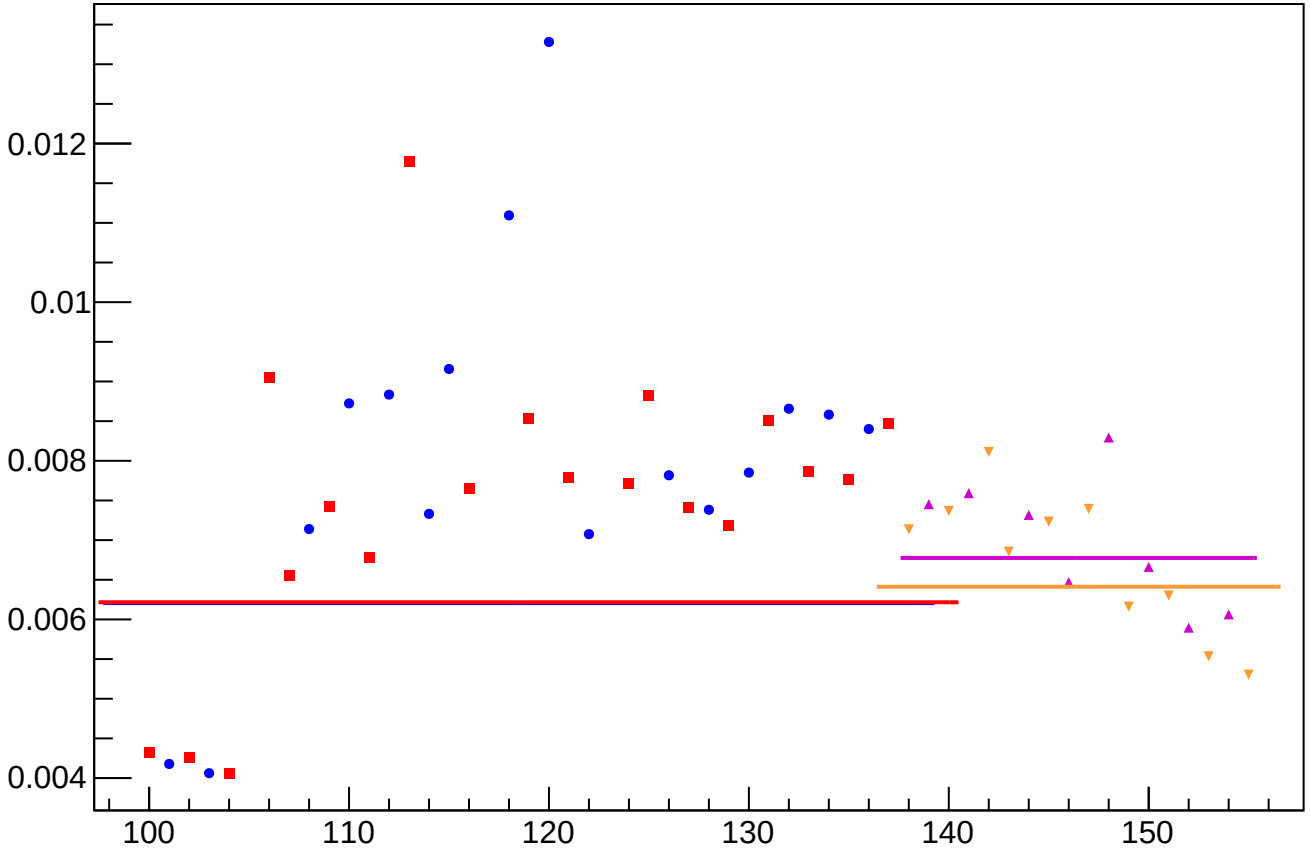
Left In: -0.857+/-0.000 χ^2/NDF:223304634835.8/7

+ sign -0.015+/-0.000 χ^2/NDF: 498670581393.4/25

All: 0.003+/-0.000 χ^2/NDF: 948804246833.5

- sign 0.022+/-0.000 χ^2/NDF: 449926209675.6/26

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:229574.5/9

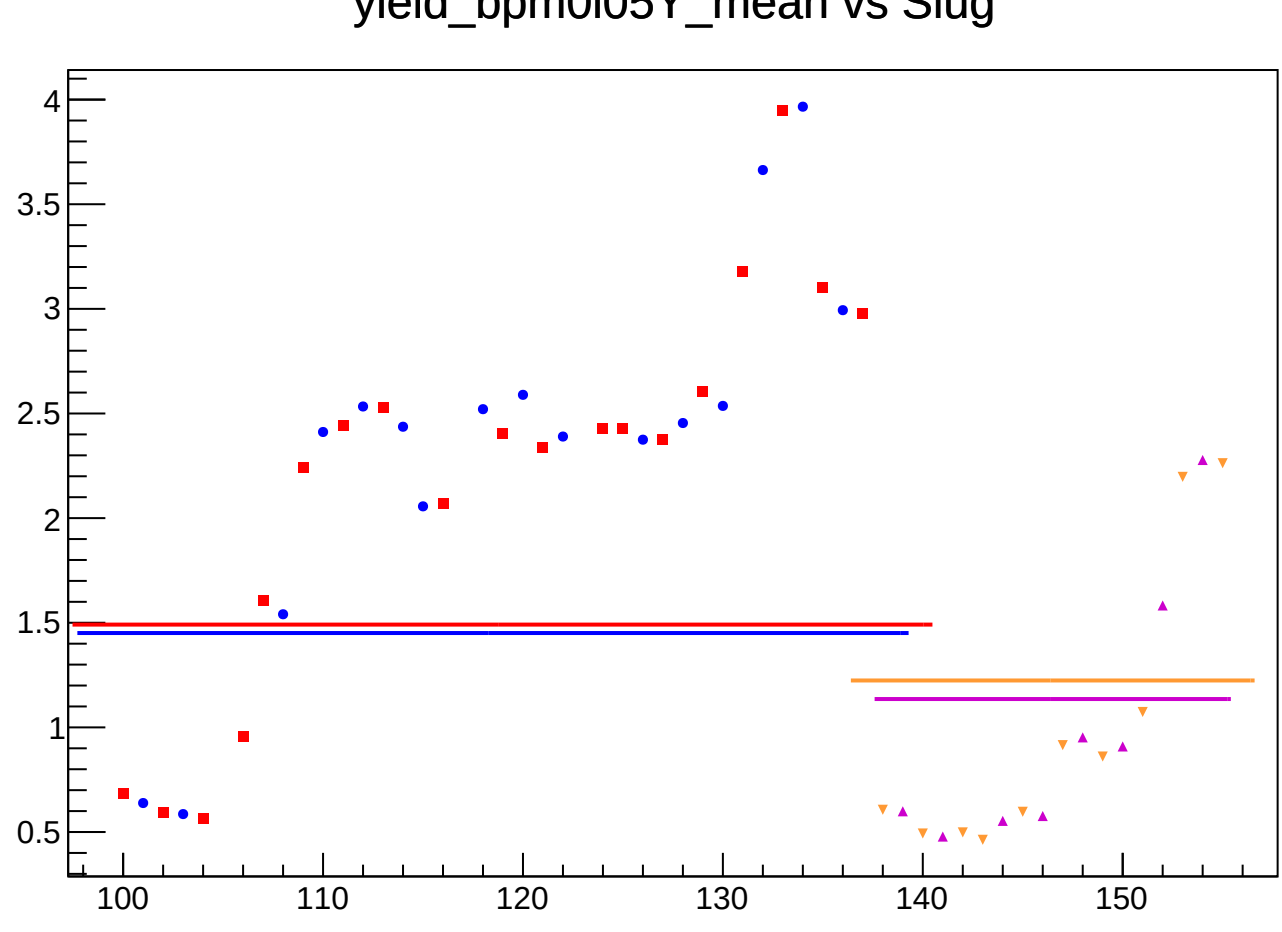
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:150865.1/7

+ sign 0.006+/-0.000 χ^2/NDF: 1659991.2/25

All: 0.006+/-0.000 χ^2/NDF: 3024463.6/52

- sign 0.006+/-0.000 χ^2/NDF: 1356920.6/26



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.224+/-0.000 χ^2/NDF:83472161122.9/9

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

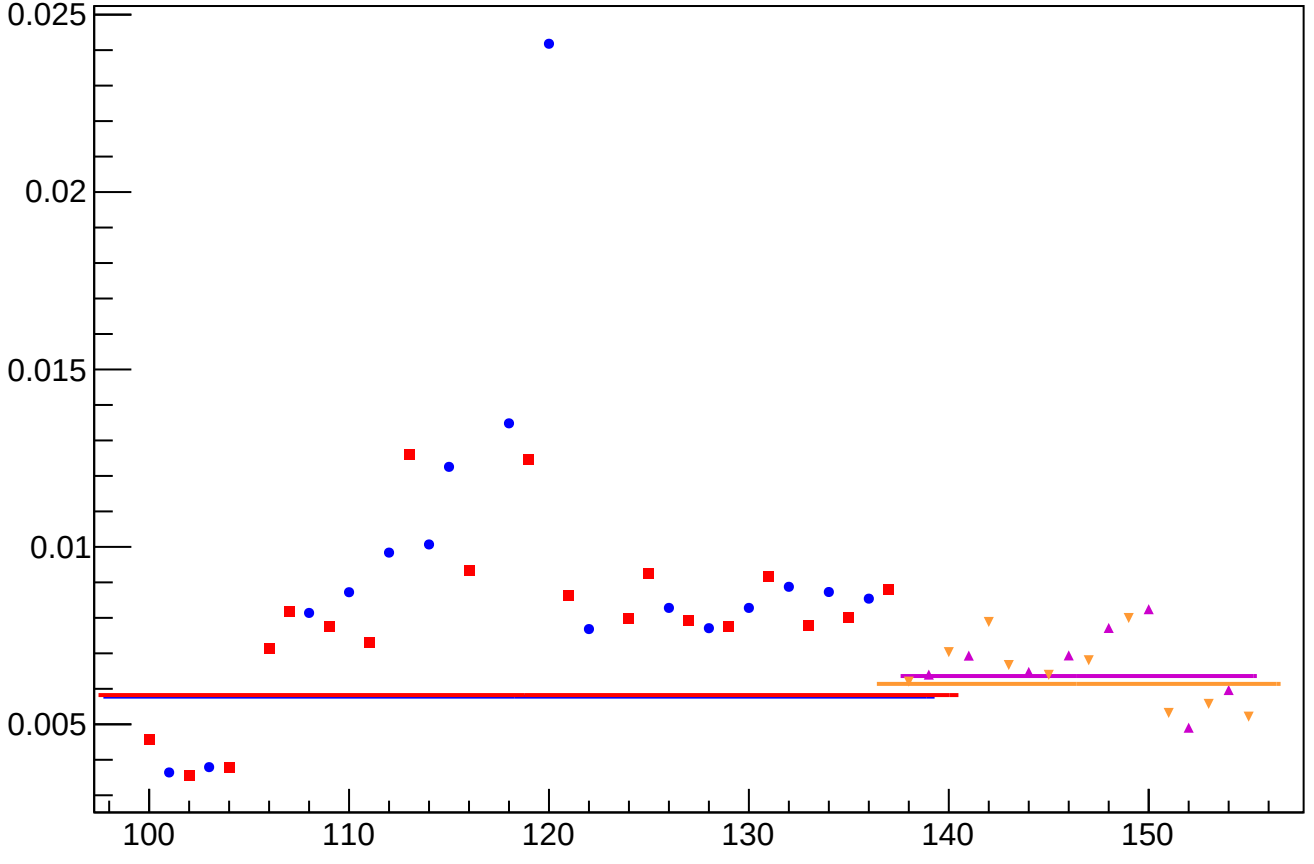
Left In: 1.135+/-0.000 χ^2/NDF:54909617480.4/7

+ sign 1.335+/-0.000 χ^2/NDF: 257049566216.4/25

All: 1.333+/-0.000 χ^2/NDF: 508047127427.0

- sign 1.332+/-0.000 χ^2/NDF: 250996377171.1/26

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:231484.9/9

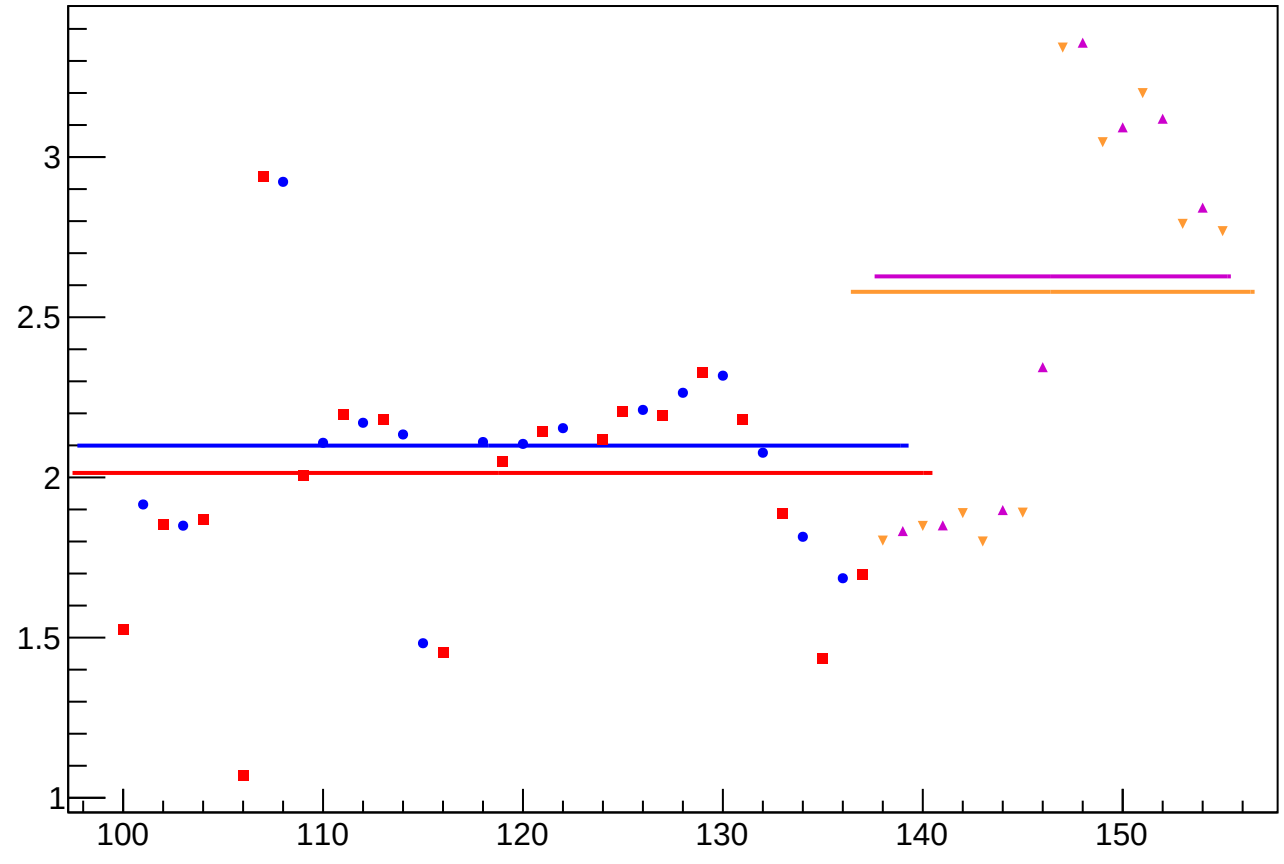
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:263503.1/7

+ sign 0.006+/-0.000 χ^2/NDF: 2465105.2/25

All: 0.006+/-0.000 χ^2/NDF: 4728937.1/52

- sign 0.006+/-0.000 χ^2/NDF: 2260849.2/26



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.579+/-0.000 χ^2/NDF:39849678743.9/9

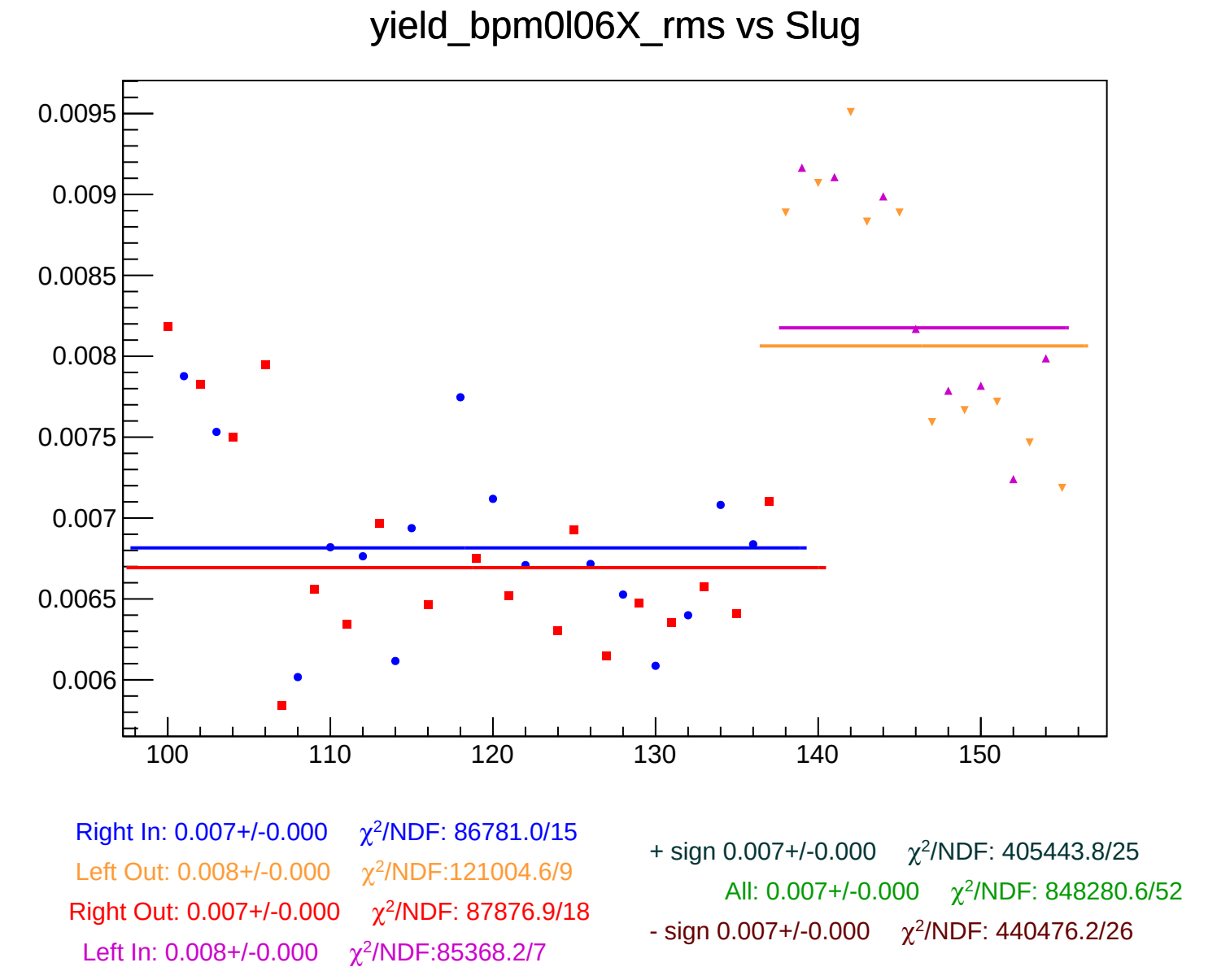
Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

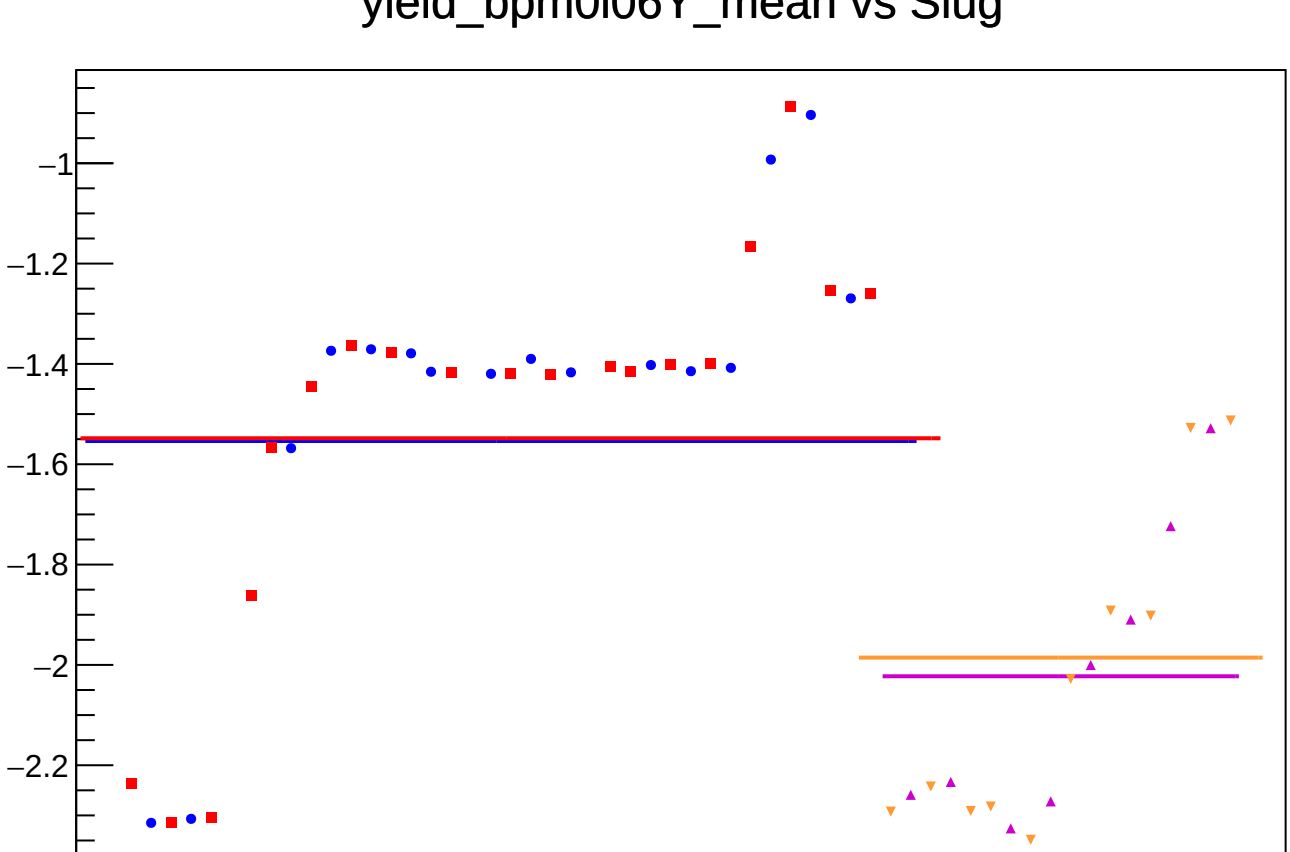
Left In: 2.628+/-0.000 χ^2/NDF:32958535789.7/7

+ sign 2.306+/-0.000 χ^2/NDF: 68395279542.6/25

All: 2.277+/-0.000 χ^2/NDF: 144297447806.6

- sign 2.248+/-0.000 χ^2/NDF: 75460474346.6/26


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
Right In: 0.007+/-0.000 χ²/NDF: 86781.0/15
Left Out: 0.008+/-0.000 χ²/NDF:121004.6/9
Right Out: 0.007+/-0.000 χ²/NDF: 87876.9/18
Left In: 0.008+/-0.000 χ²/NDF:85368.2/7
+ sign 0.007+/-0.000 χ²/NDF: 405443.8/25
All: 0.007+/-0.000 χ²/NDF: 848280.6/52
- sign 0.007+/-0.000 χ²/NDF: 440476.2/26



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.985+/-0.000 χ^2/NDF:70300154070.1/9

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

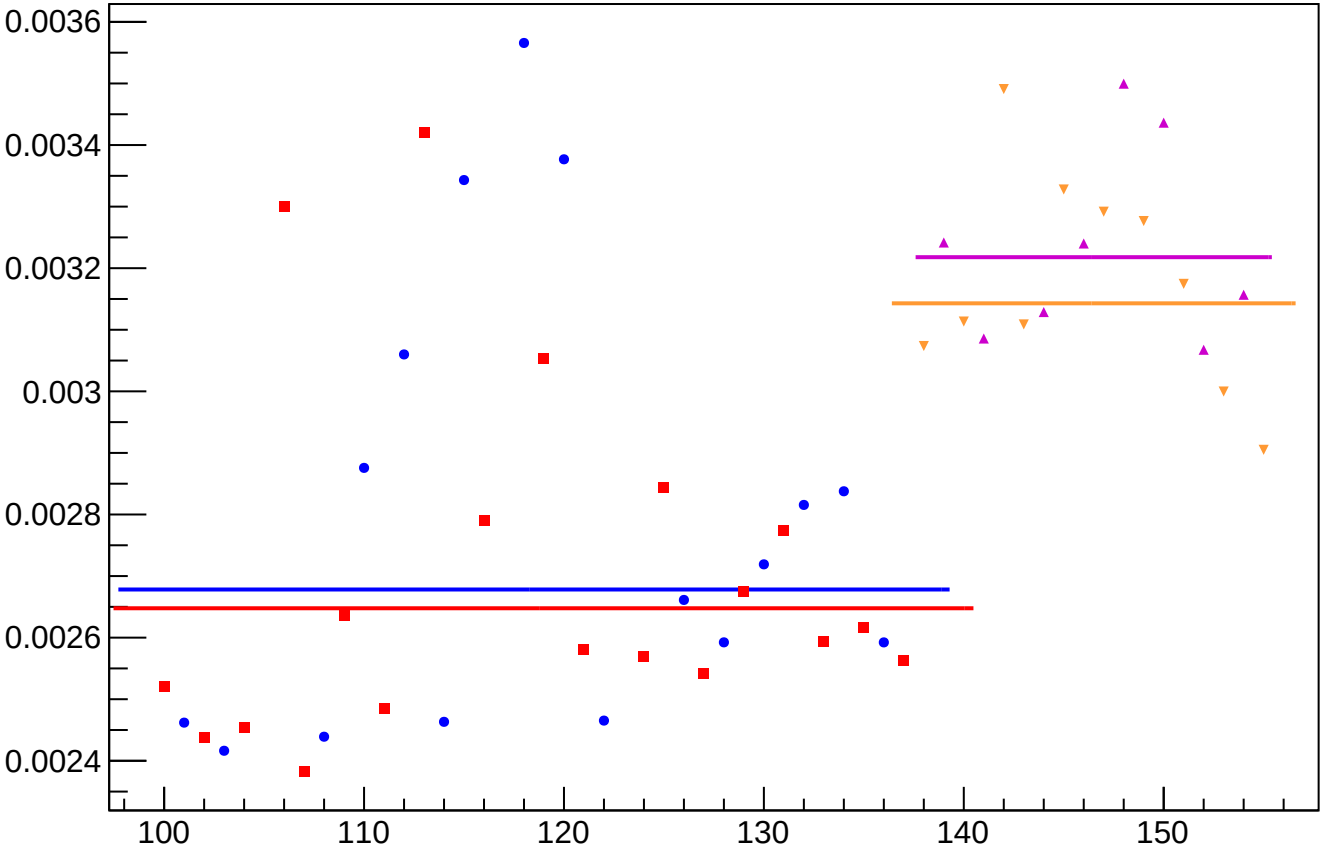
Left In: -2.023+/-0.000 χ^2/NDF:49035244944.0/7

+ sign -1.740+/-0.000 χ^2/NDF: 320638267950.4/25

All: -1.734+/-0.000 χ^2/NDF: 629762214457.6

- sign -1.728+/-0.000 χ^2/NDF: 309008879854.8/26

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:33178.6/9

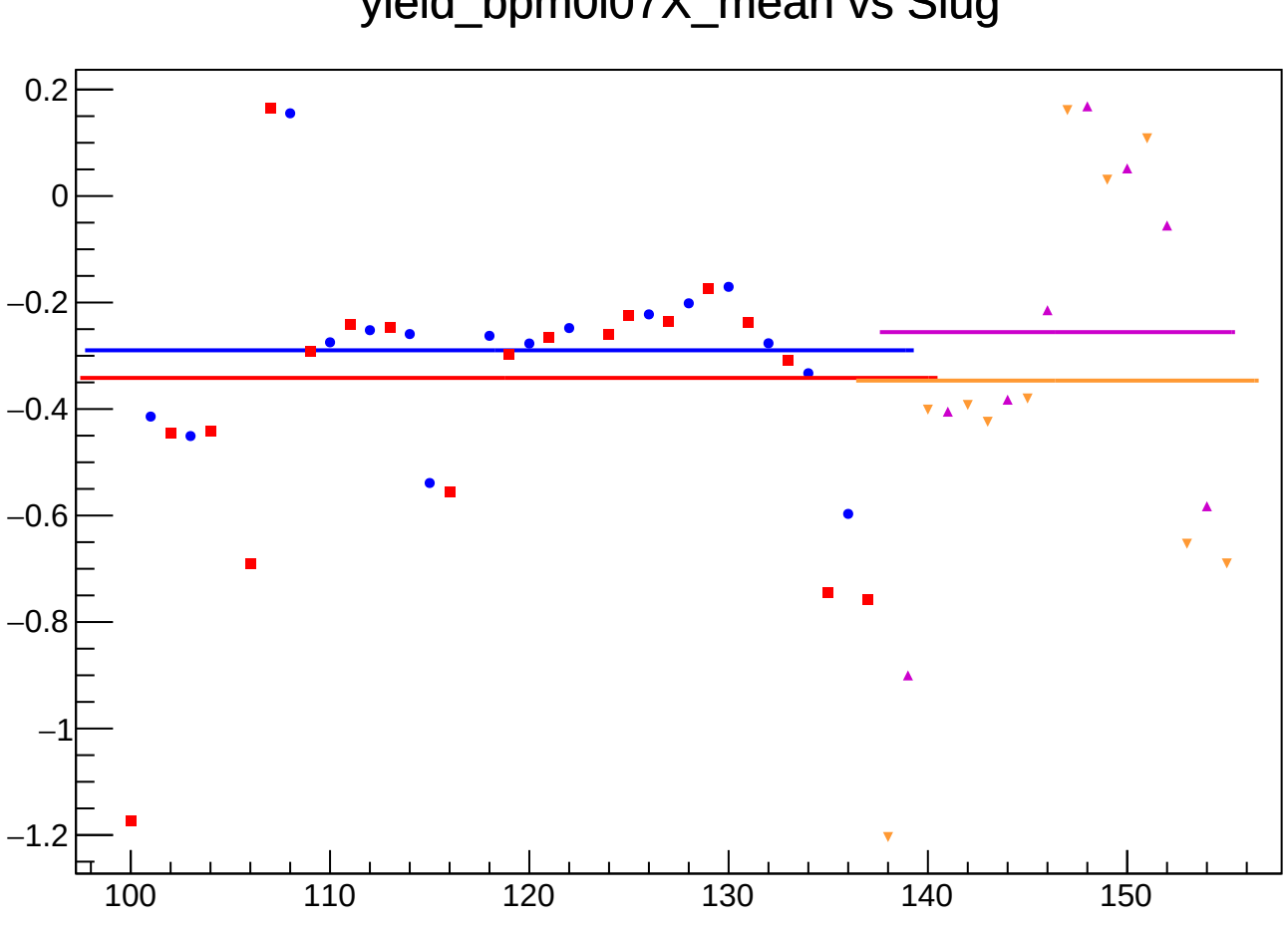
Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:25353.5/7

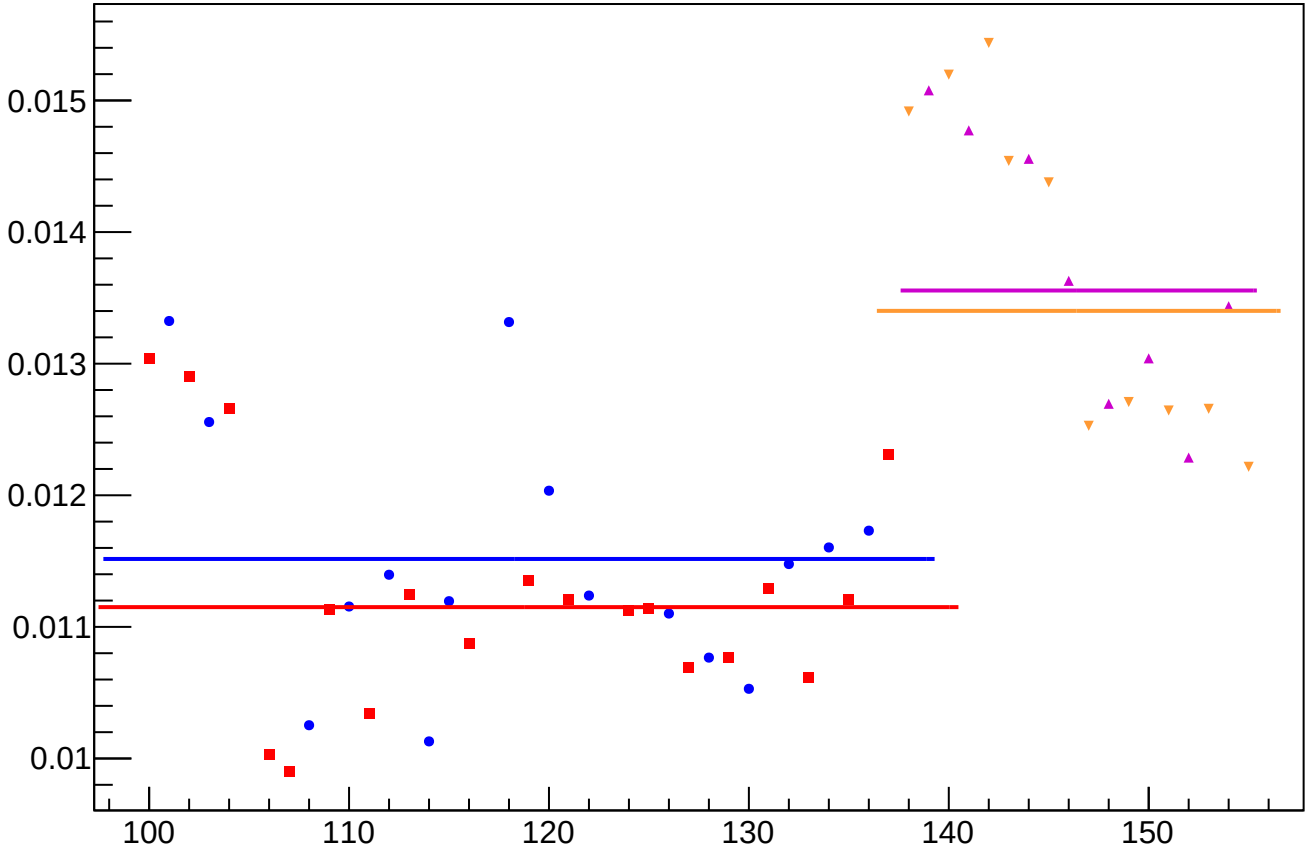
+ sign 0.003+/-0.000 χ^2/NDF: 365198.0/25

All: 0.003+/-0.000 χ^2/NDF: 753254.0/52

- sign 0.003+/-0.000 χ^2/NDF: 387693.8/26


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
Right In: -0.290+/-0.000 χ²/NDF: 1645174238.4/15
Left Out: -0.347+/-0.000 χ²/NDF:6503605720.1/9
Right Out: -0.342+/-0.000 χ²/NDF: 2609243421.7/18
Left In: -0.256+/-0.000 χ²/NDF:3680125839.4/7
+ sign -0.315+/-0.000 χ²/NDF: 8222604007.6/25
All: -0.312+/-0.000 χ²/NDF: 14676903657.4/
- sign -0.309+/-0.000 χ²/NDF: 6452812567.8/26

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:104496.6/9

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

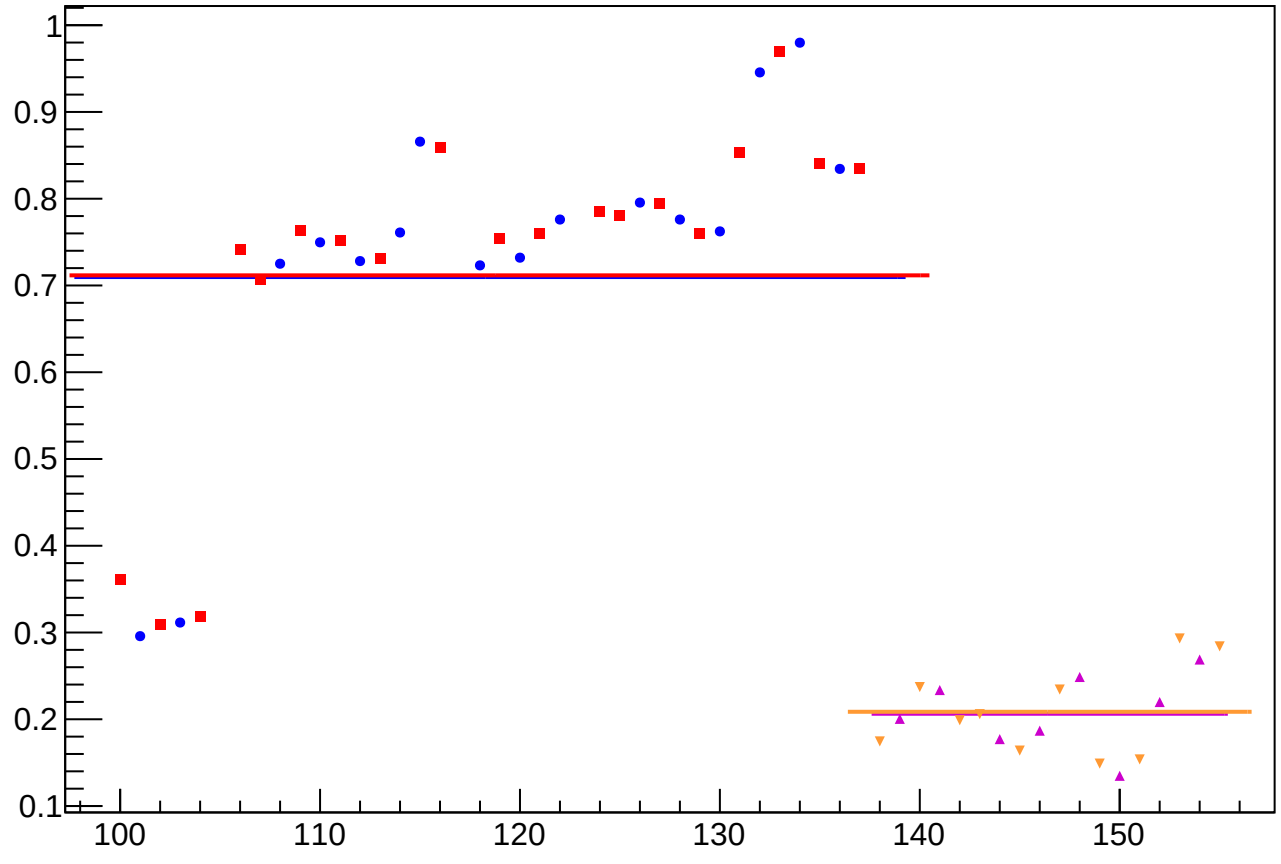
Left In: 0.014+/-0.000 χ^2/NDF:62737.6/7

+ sign 0.012+/-0.000 χ^2/NDF: 351061.4/25

All: 0.012+/-0.000 χ^2/NDF: 747576.5/52

- sign 0.012+/-0.000 χ^2/NDF: 389179.0/26

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.209+/-0.000 χ^2/NDF:3922439898.6/9

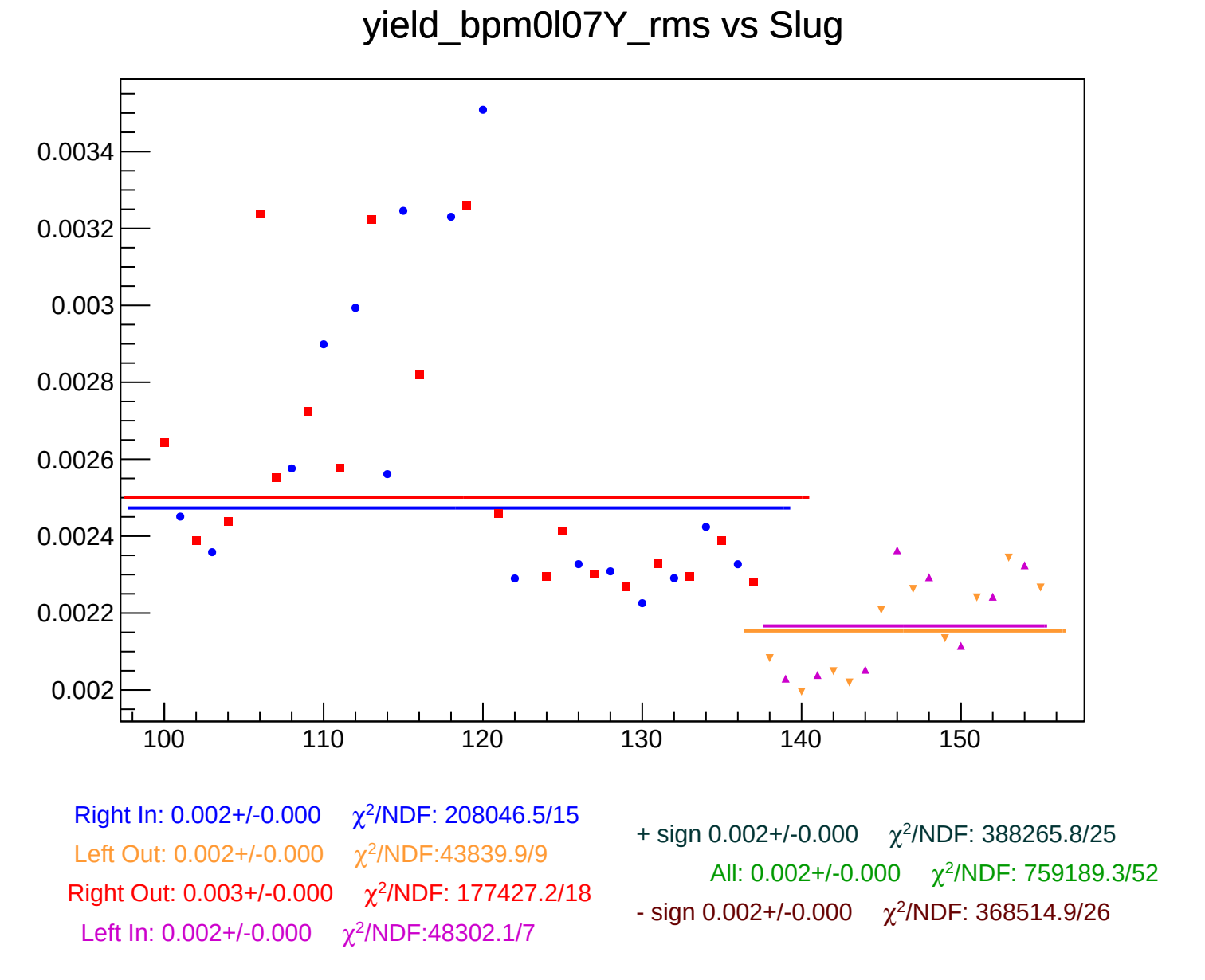
Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

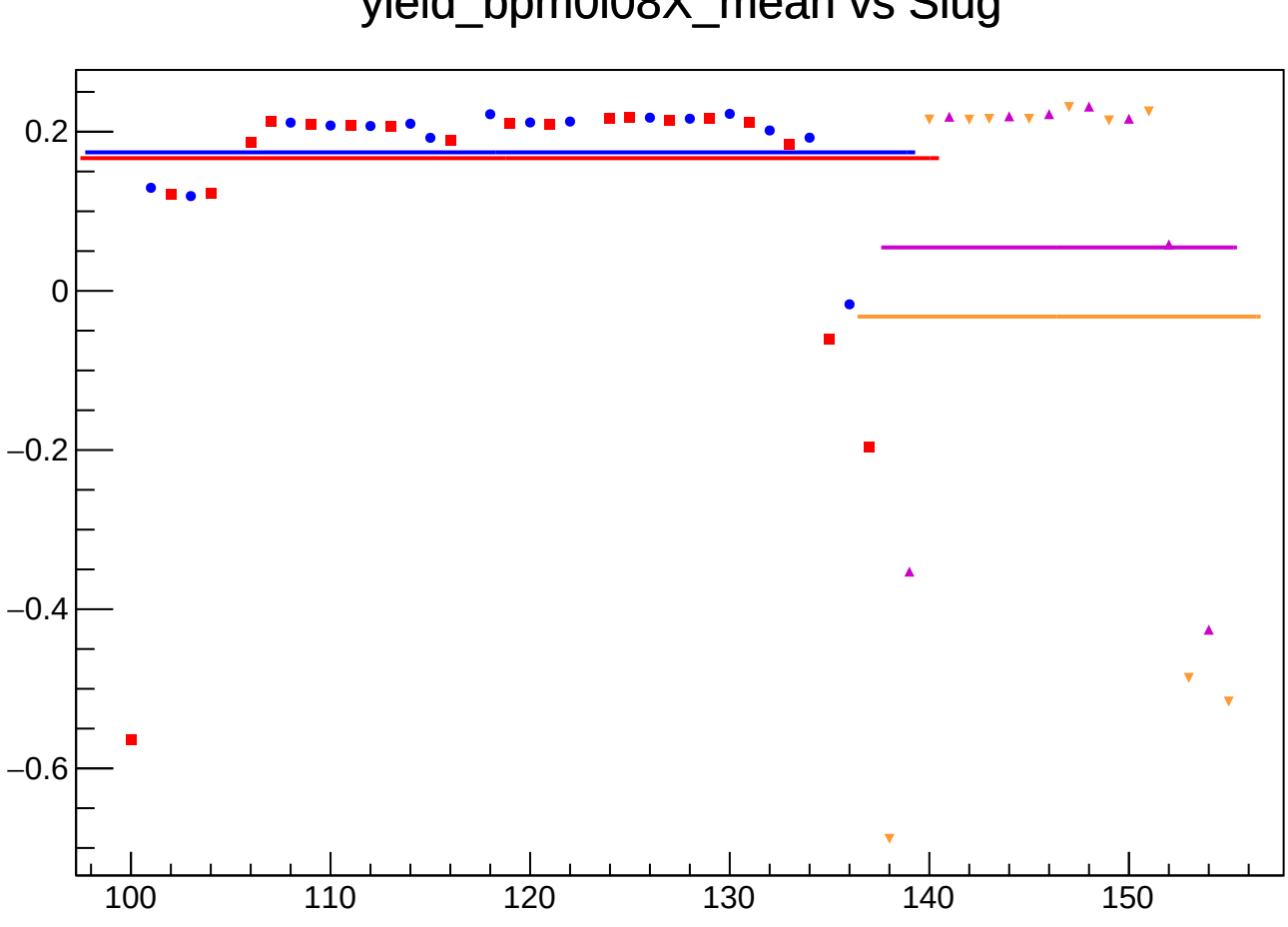
Left In: 0.206+/-0.000 χ^2/NDF:2368349143.5/7

+ sign 0.410+/-0.000 χ^2/NDF: 220517630137.9/25

All: 0.417+/-0.000 χ^2/NDF: 430025201862.6

- sign 0.425+/-0.000 χ^2/NDF: 209171118083.2/26


yield_bpm0l07Y_rms vs Slug
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 208046.5/15
Left Out: 0.002+/-0.000 χ²/NDF:43839.9/9
Right Out: 0.003+/-0.000 χ²/NDF: 177427.2/18
Left In: 0.002+/-0.000 χ²/NDF:48302.1/7
+ sign 0.002+/-0.000 χ²/NDF: 388265.8/25
All: 0.002+/-0.000 χ²/NDF: 759189.3/52
- sign 0.002+/-0.000 χ²/NDF: 368514.9/26



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.032+/-0.000 χ^2/NDF:6553955289.4/9

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

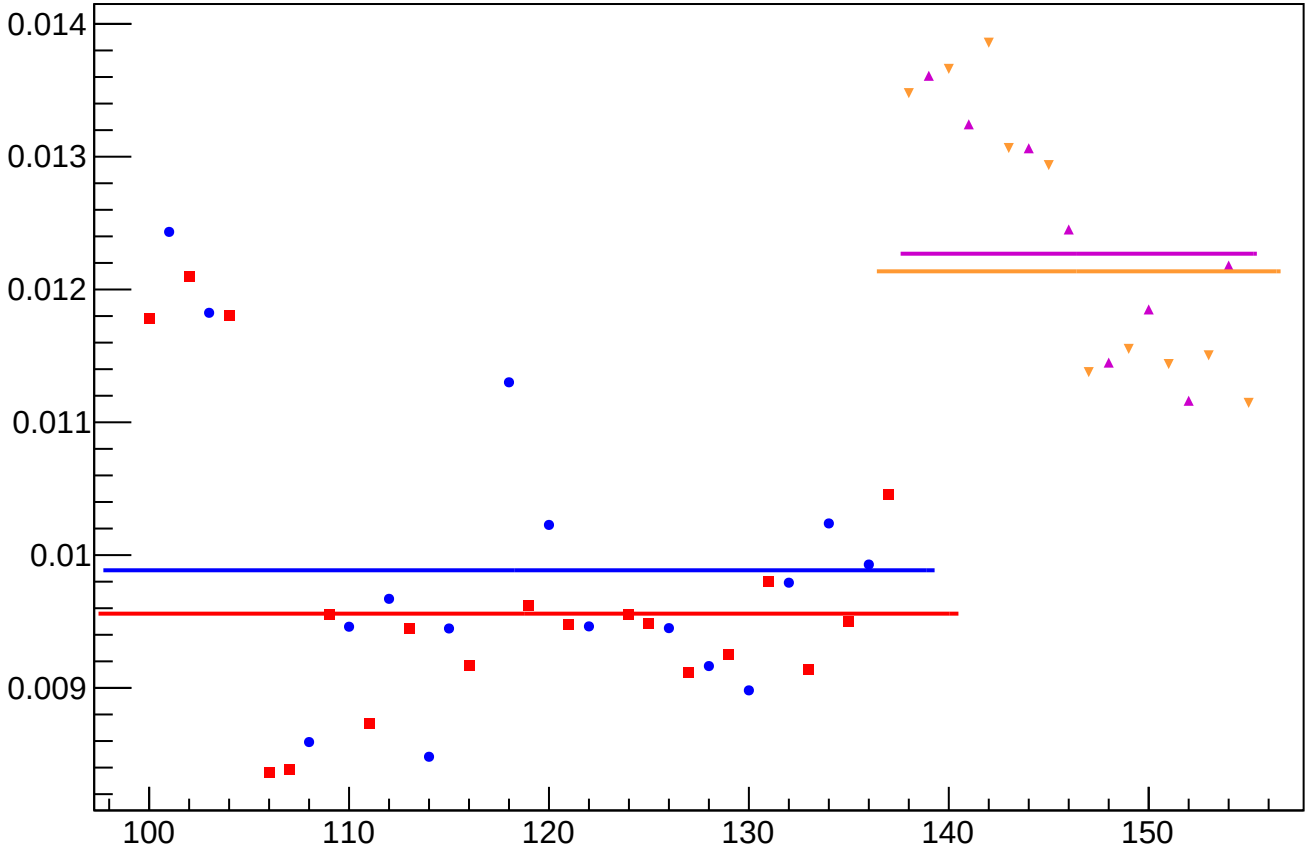
Left In: 0.055+/-0.000 χ^2/NDF:2797030036.9/7

+ sign 0.088+/-0.000 χ^2/NDF: 8195514504.0/25

All: 0.108+/-0.000 χ^2/NDF: 12328497199.1/5

- sign 0.127+/-0.000 χ^2/NDF: 4043939580.9/26

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:93306.3/9

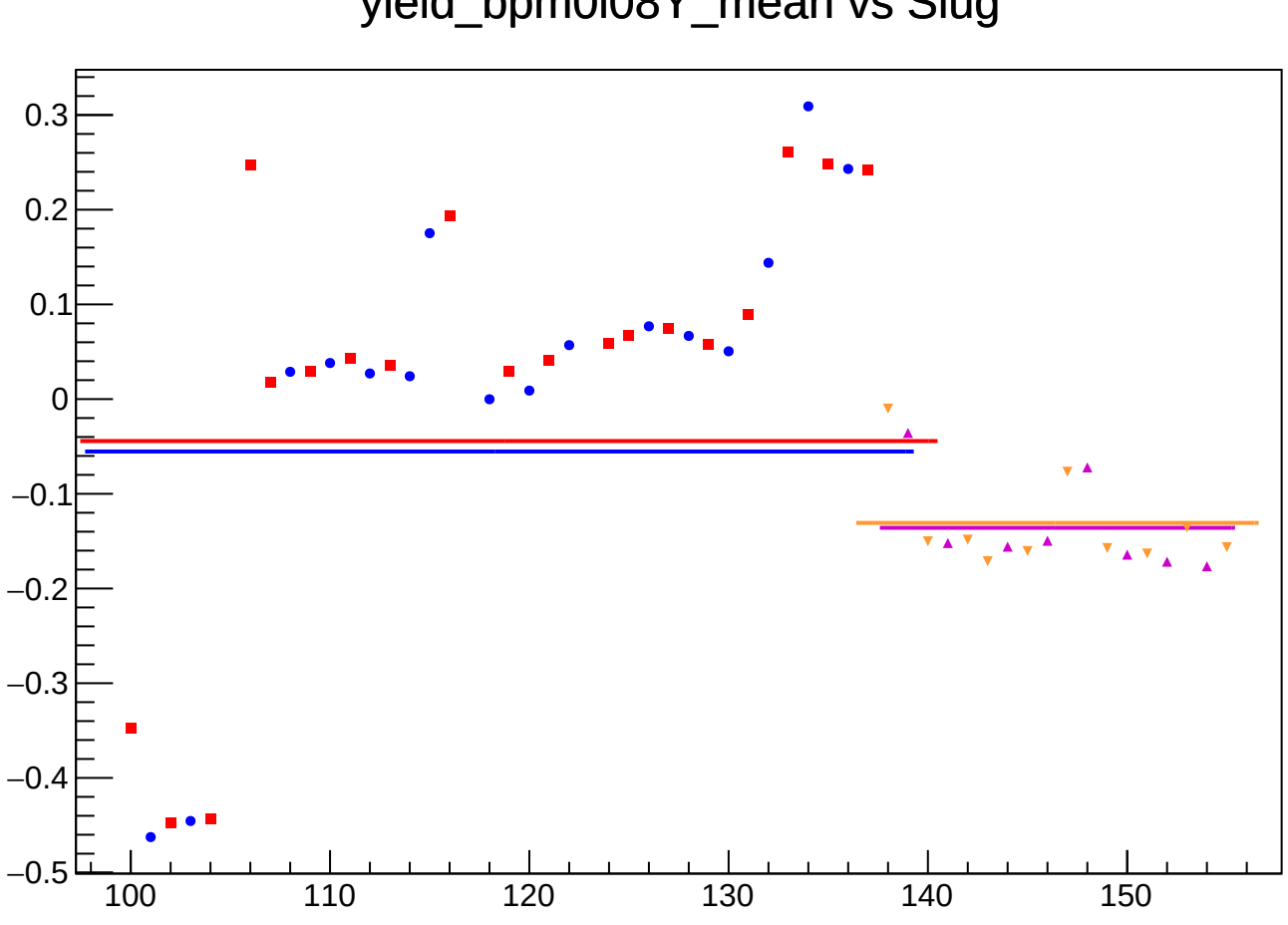
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:57328.3/7

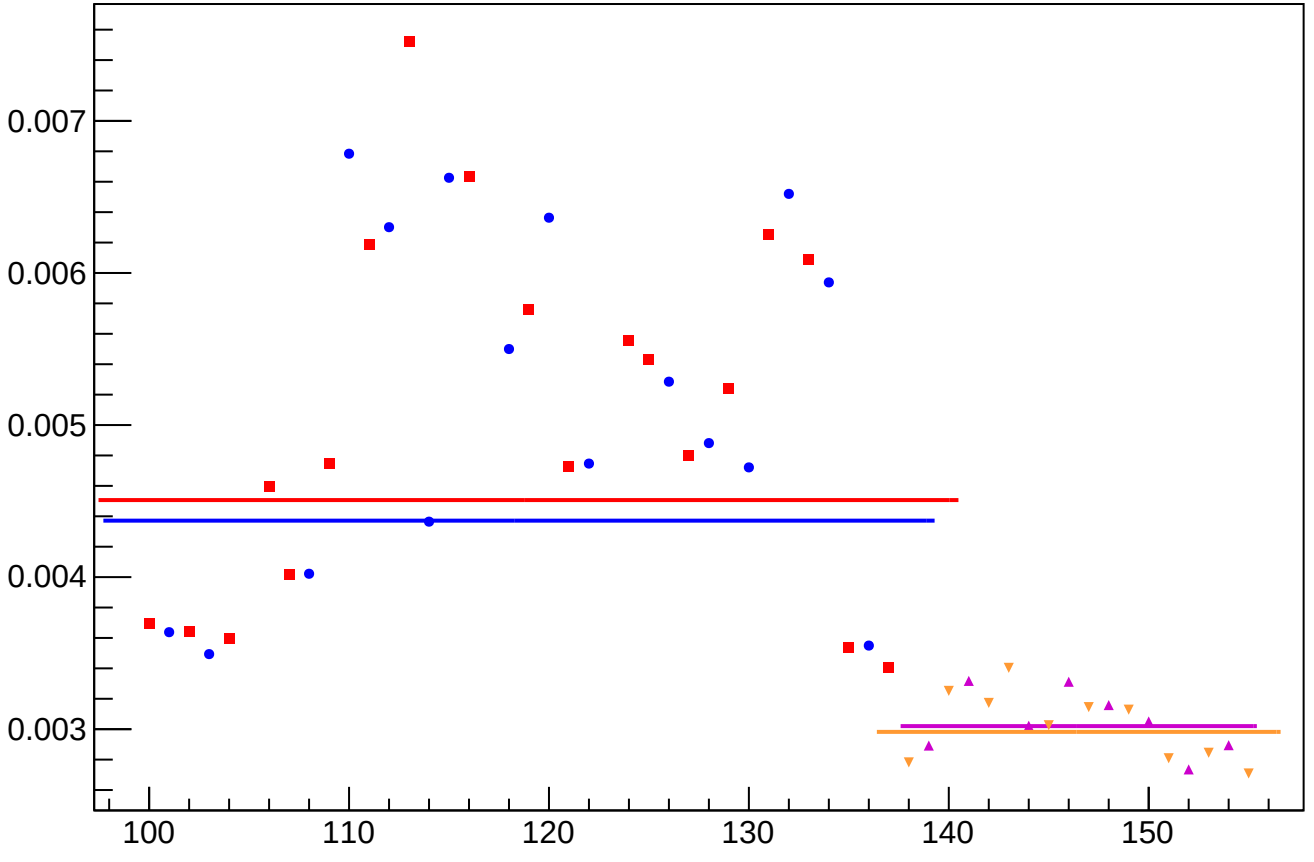
+ sign 0.011+/-0.000 χ^2/NDF: 536798.5/25

All: 0.011+/-0.000 χ^2/NDF: 1152798.8/52

- sign 0.011+/-0.000 χ^2/NDF: 605409.2/26


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
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.131+/-0.000 χ²/NDF:2070686873.4/9
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.136+/-0.000 χ²/NDF:1743537889.2/7
+ sign -0.110+/-0.000 χ²/NDF: 27459872766.1/25
All: -0.109+/-0.000 χ²/NDF: 53175734052.9/
- sign -0.108+/-0.000 χ²/NDF: 25714263952.9/26

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:77184.8/9

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

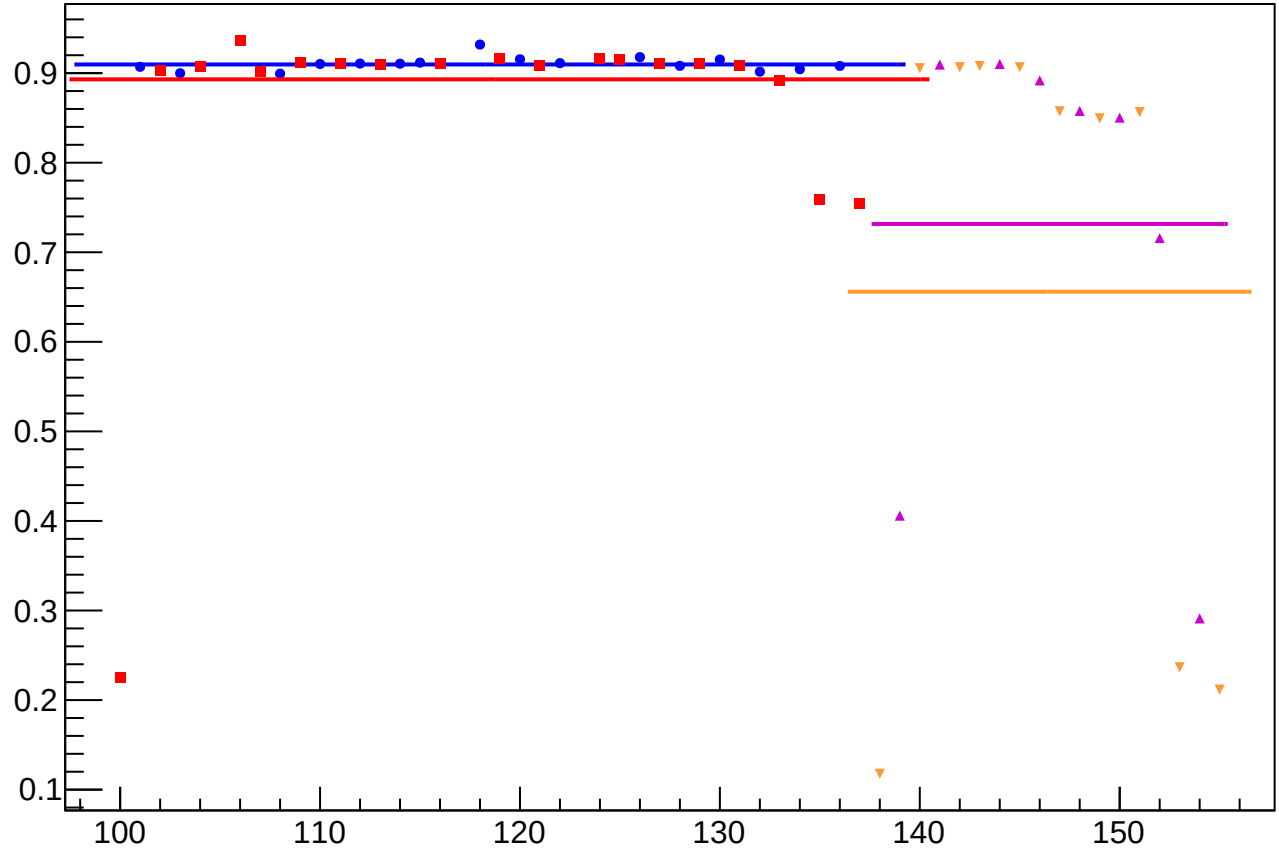
Left In: 0.003+/-0.000 χ^2/NDF:52282.8/7

+ sign 0.003+/-0.000 χ^2/NDF: 1625390.1/25

All: 0.003+/-0.000 χ^2/NDF: 3359805.1/52

- sign 0.003+/-0.000 χ^2/NDF: 1722797.1/26

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.656+/-0.000 χ^2/NDF:5451021020.6/9

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

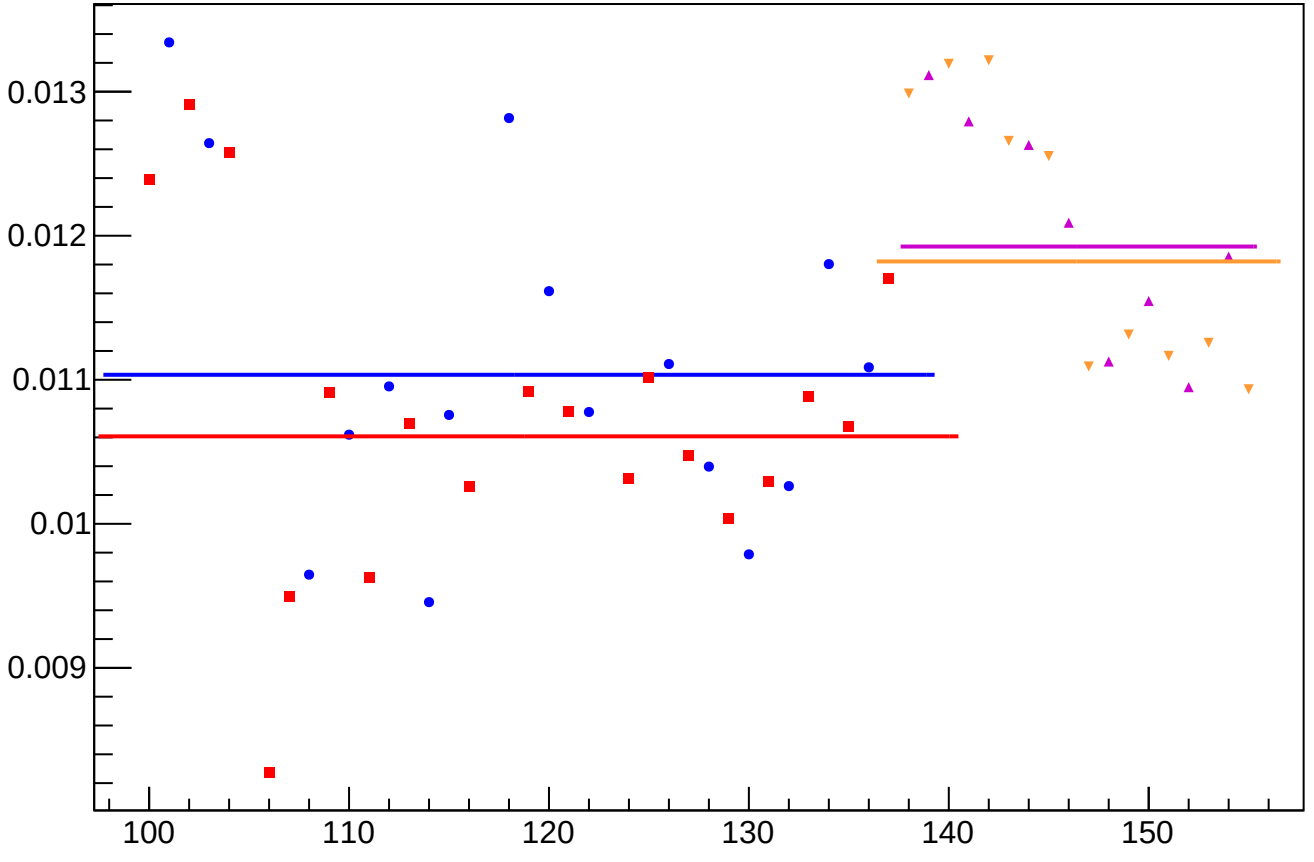
Left In: 0.732+/-0.000 χ^2/NDF:2347898483.0/7

+ sign 0.787+/-0.000 χ^2/NDF: 7210683041.4/25

All: 0.806+/-0.000 χ^2/NDF: 10669146504.1/5

- sign 0.825+/-0.000 χ^2/NDF: 3378131304.3/26

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:79359.6/9

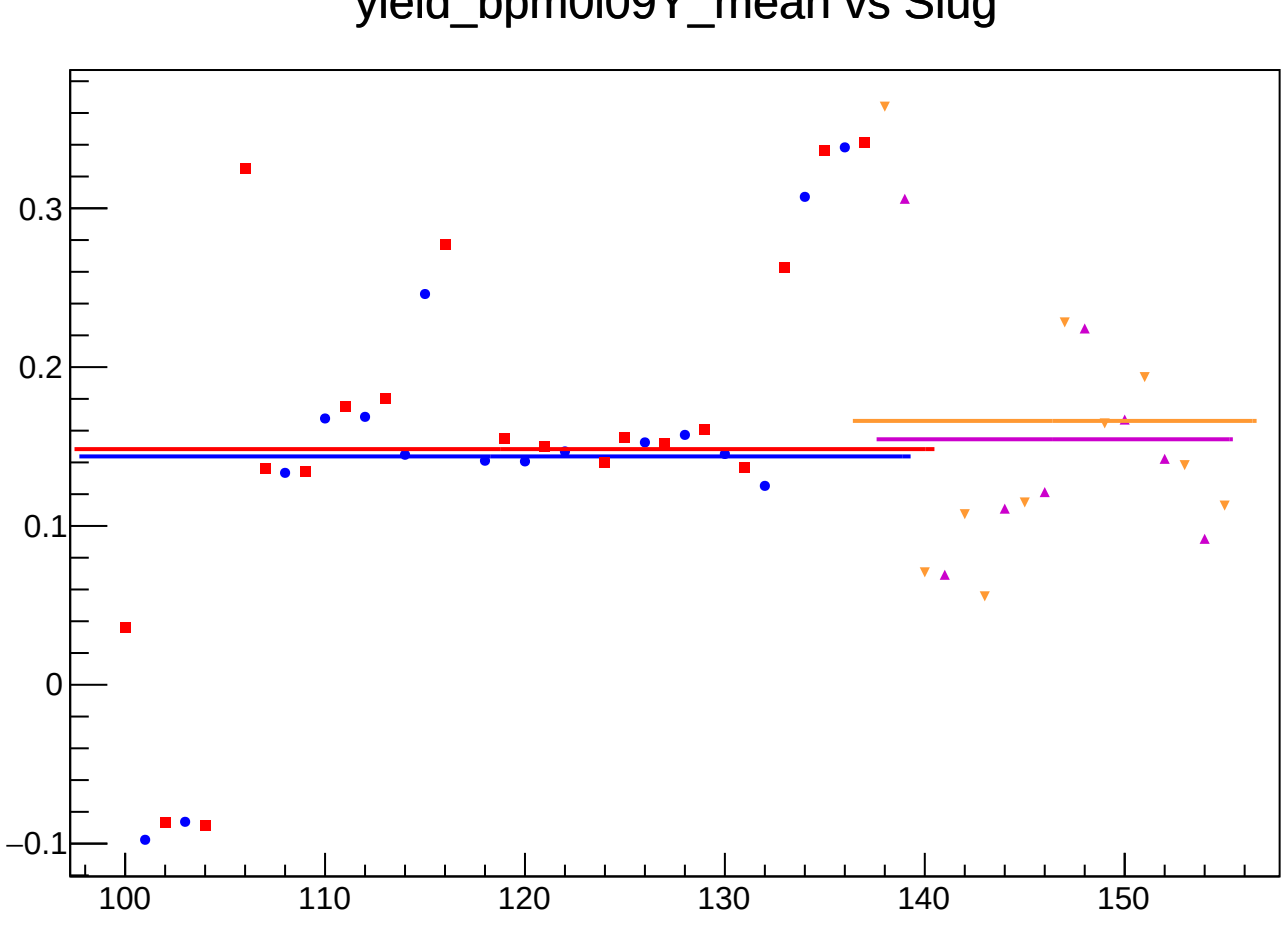
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:49731.3/7

+ sign 0.011+/-0.000 χ^2/NDF: 243502.2/25

All: 0.011+/-0.000 χ^2/NDF: 537788.6/52

- sign 0.011+/-0.000 χ^2/NDF: 287207.8/26



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.166+/-0.000 χ^2/NDF:4610447676.8/9

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

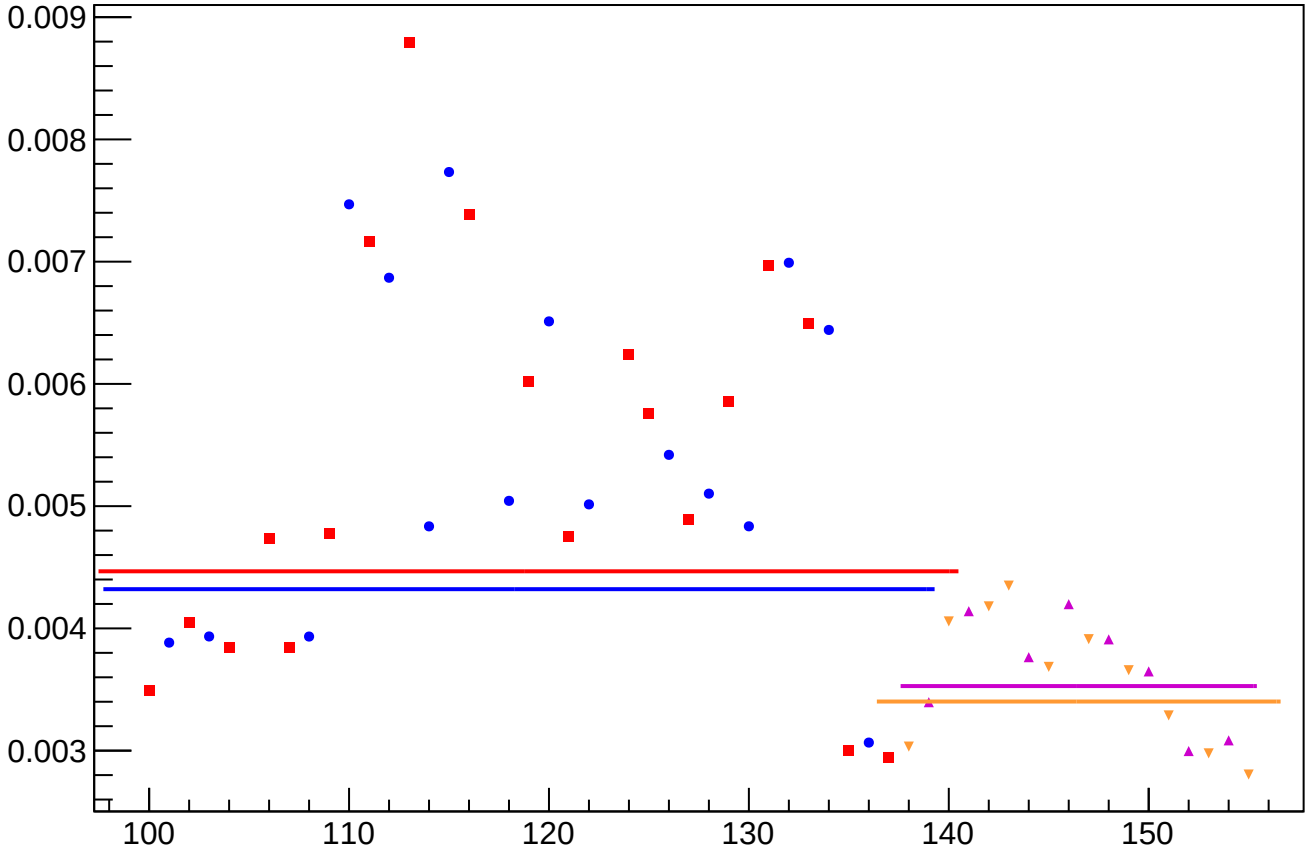
Left In: 0.155+/-0.000 χ^2/NDF:2620473227.7/7

+ sign 0.159+/-0.000 χ^2/NDF: 12579283988.7/25

All: 0.156+/-0.000 χ^2/NDF: 22352479114.8/5

- sign 0.152+/-0.000 χ^2/NDF: 9756185889.8/26

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:298402.1/9

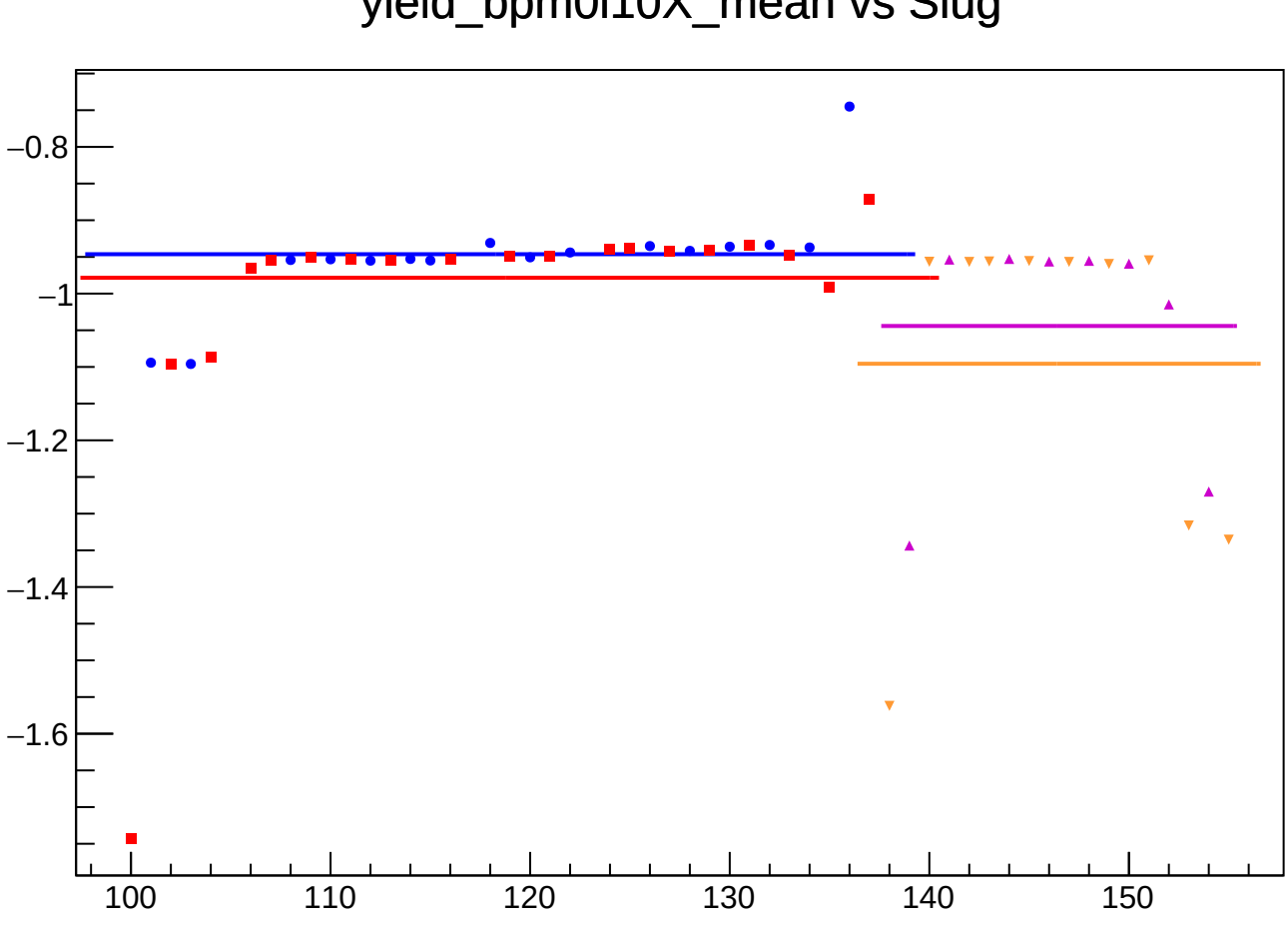
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:181523.9/7

+ sign 0.004+/-0.000 χ^2/NDF: 1519938.3/25

All: 0.004+/-0.000 χ^2/NDF: 3139509.7/52

- sign 0.004+/-0.000 χ^2/NDF: 1596124.3/26



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.096+/-0.000 χ^2/NDF:2933379821.9/9

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

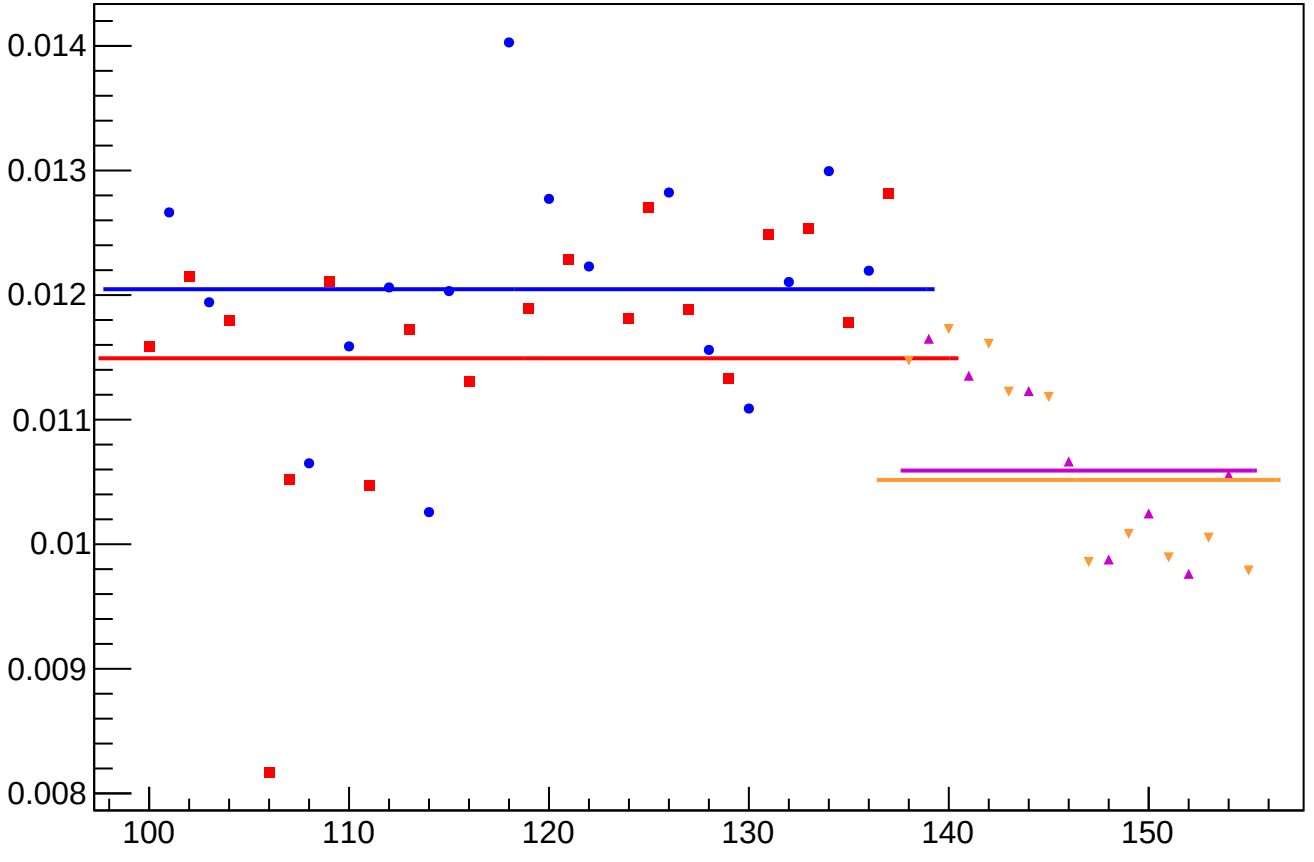
Left In: -1.044+/-0.000 χ^2/NDF:1227422341.7/7

+ sign -1.034+/-0.000 χ^2/NDF: 3957275527.4/25

All: -1.023+/-0.000 χ^2/NDF: 5793604556.0/5

- sign -1.013+/-0.000 χ^2/NDF: 1810880330.3/26

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:74300.5/9

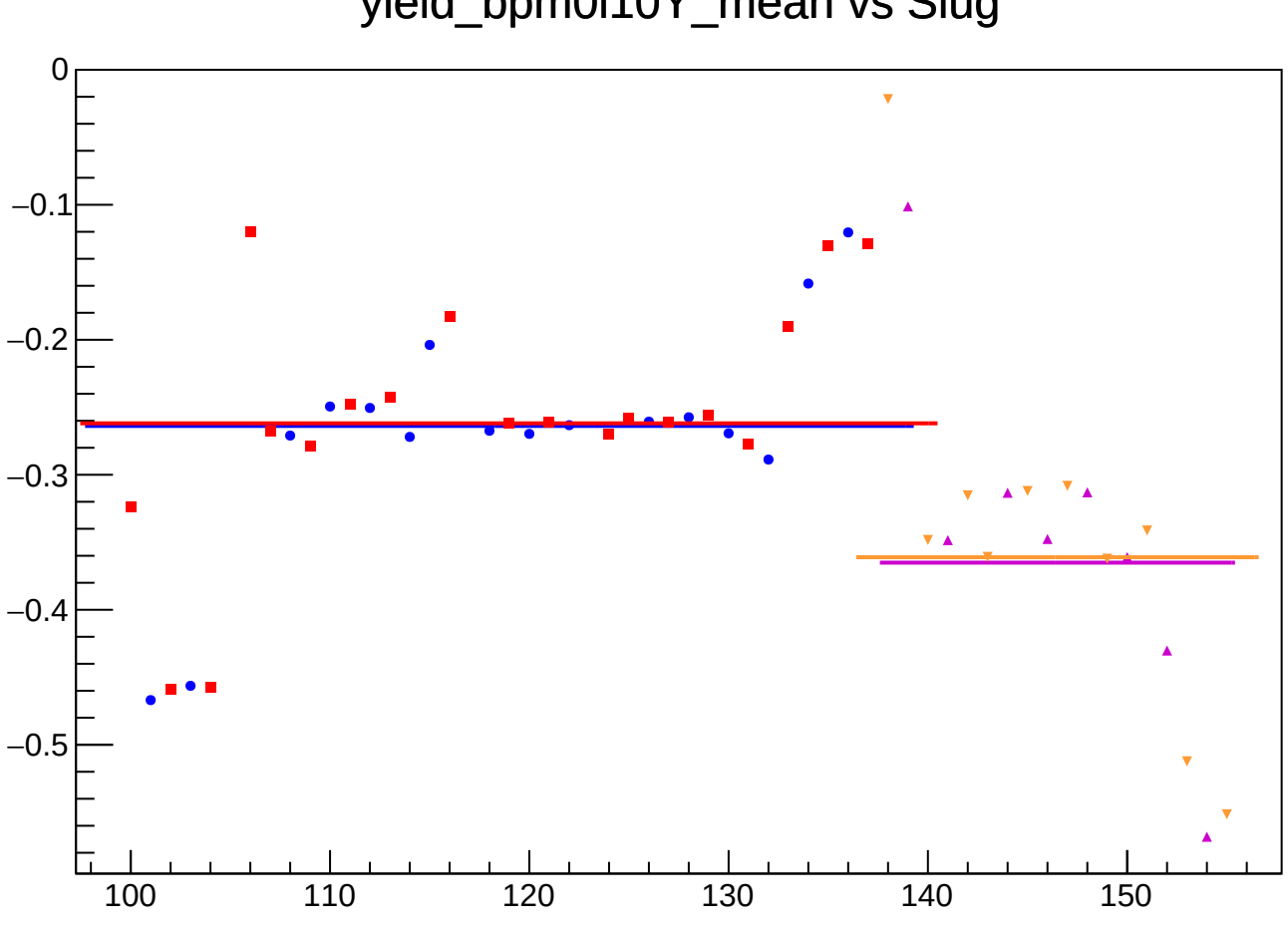
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:48884.2/7

+ sign 0.011+/-0.000 χ^2/NDF: 266993.8/25

All: 0.011+/-0.000 χ^2/NDF: 515085.8/52

- sign 0.011+/-0.000 χ^2/NDF: 246239.8/26



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.361+/-0.000 χ^2/NDF:10993337055.8/9

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

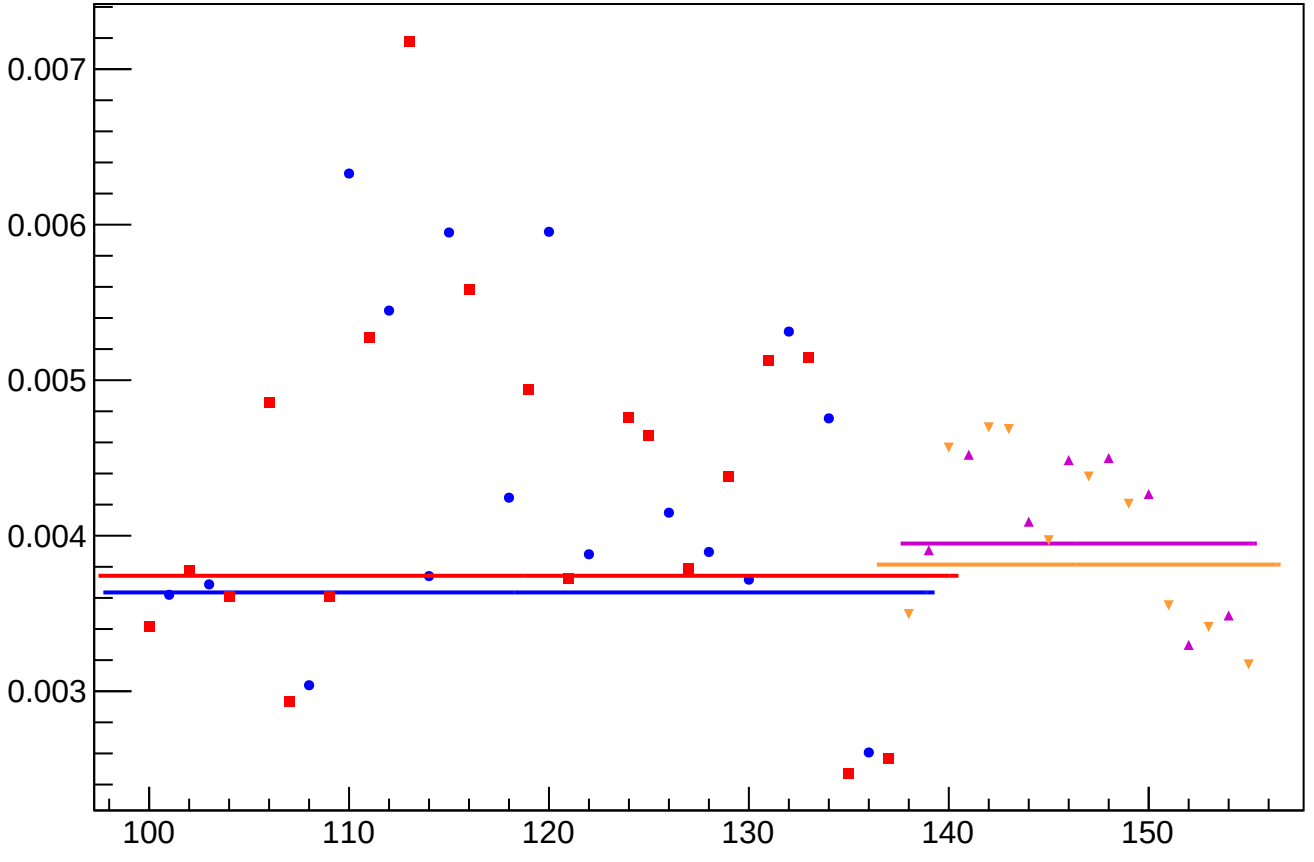
Left In: -0.365+/-0.000 χ^2/NDF:6750078227.7/7

+ sign -0.314+/-0.000 χ^2/NDF: 19240446066.3/25

All: -0.313+/-0.000 χ^2/NDF: 33422466595.8/

- sign -0.311+/-0.000 χ^2/NDF: 14177476955.8/26

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:256309.1/9

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

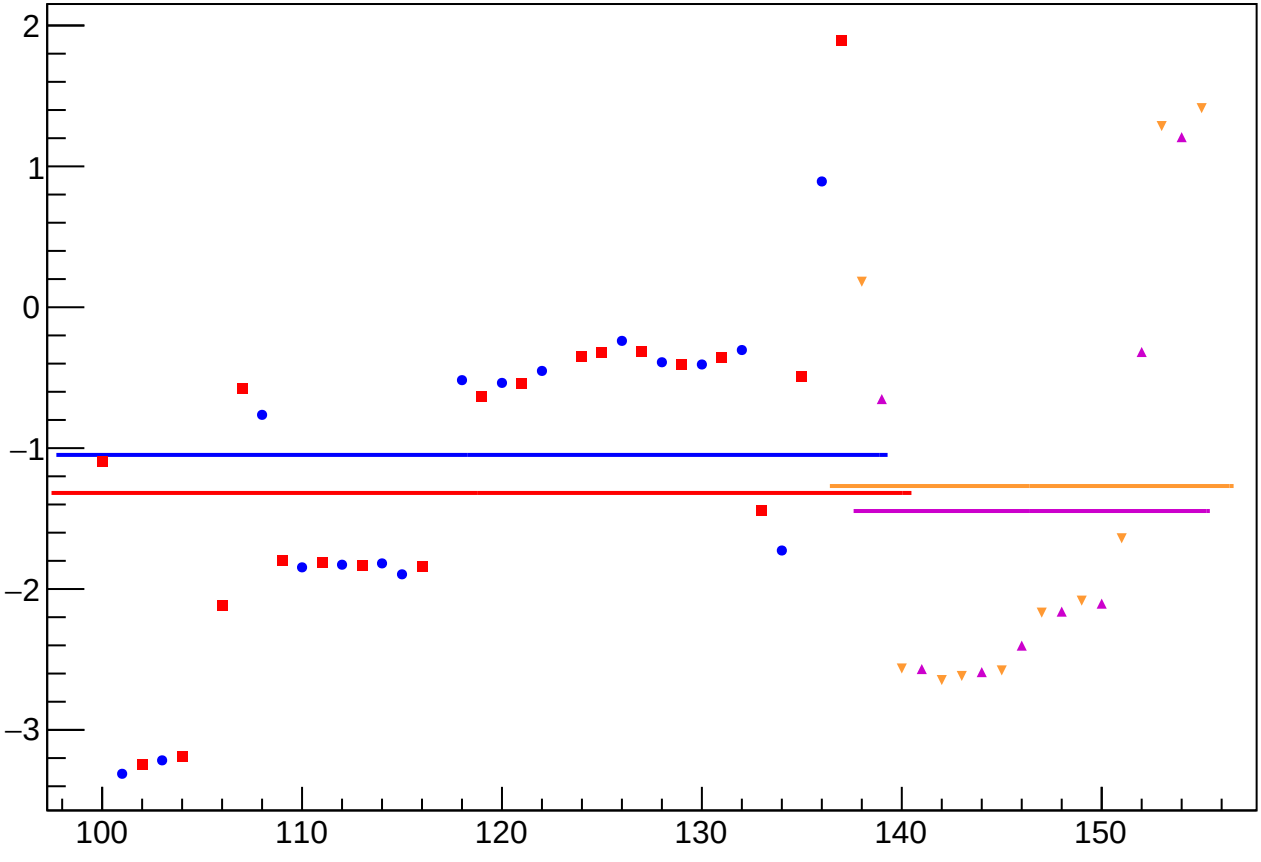
Left In: 0.004+/-0.000 χ^2/NDF:168192.7/7

+ sign 0.004+/-0.000 χ^2/NDF: 999438.3/25

All: 0.004+/-0.000 χ^2/NDF: 2090337.7/52

- sign 0.004+/-0.000 χ^2/NDF: 1079928.2/26

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.269+/-0.000 χ^2/NDF:3372834787.2/9

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

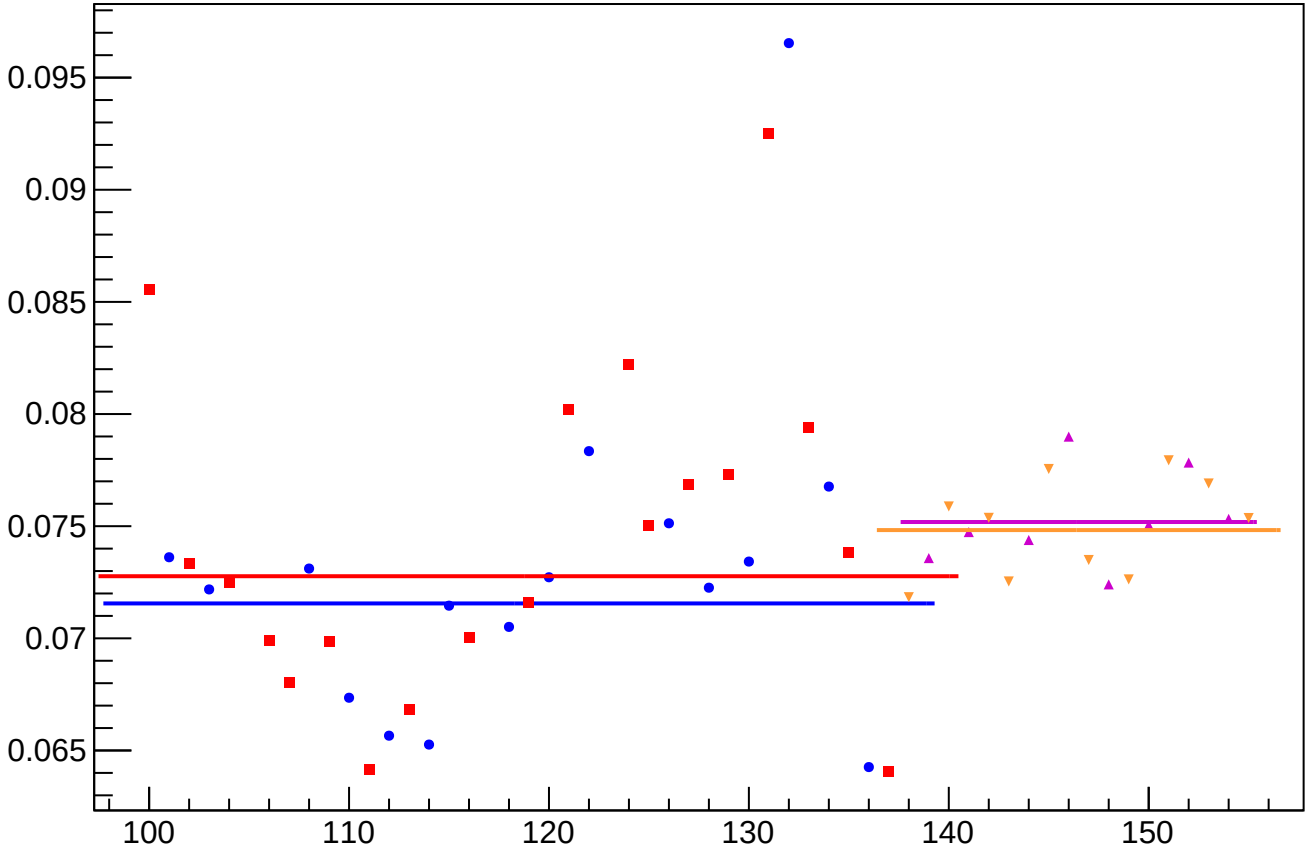
Left In: -1.446+/-0.000 χ^2/NDF:2033046416.4/7

+ sign -1.158+/-0.000 χ^2/NDF: 5753231061.9/25

All: -1.265+/-0.000 χ^2/NDF: 9708793779.8/5

- sign -1.378+/-0.000 χ^2/NDF: 3891590503.3/26

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:12512.5/9

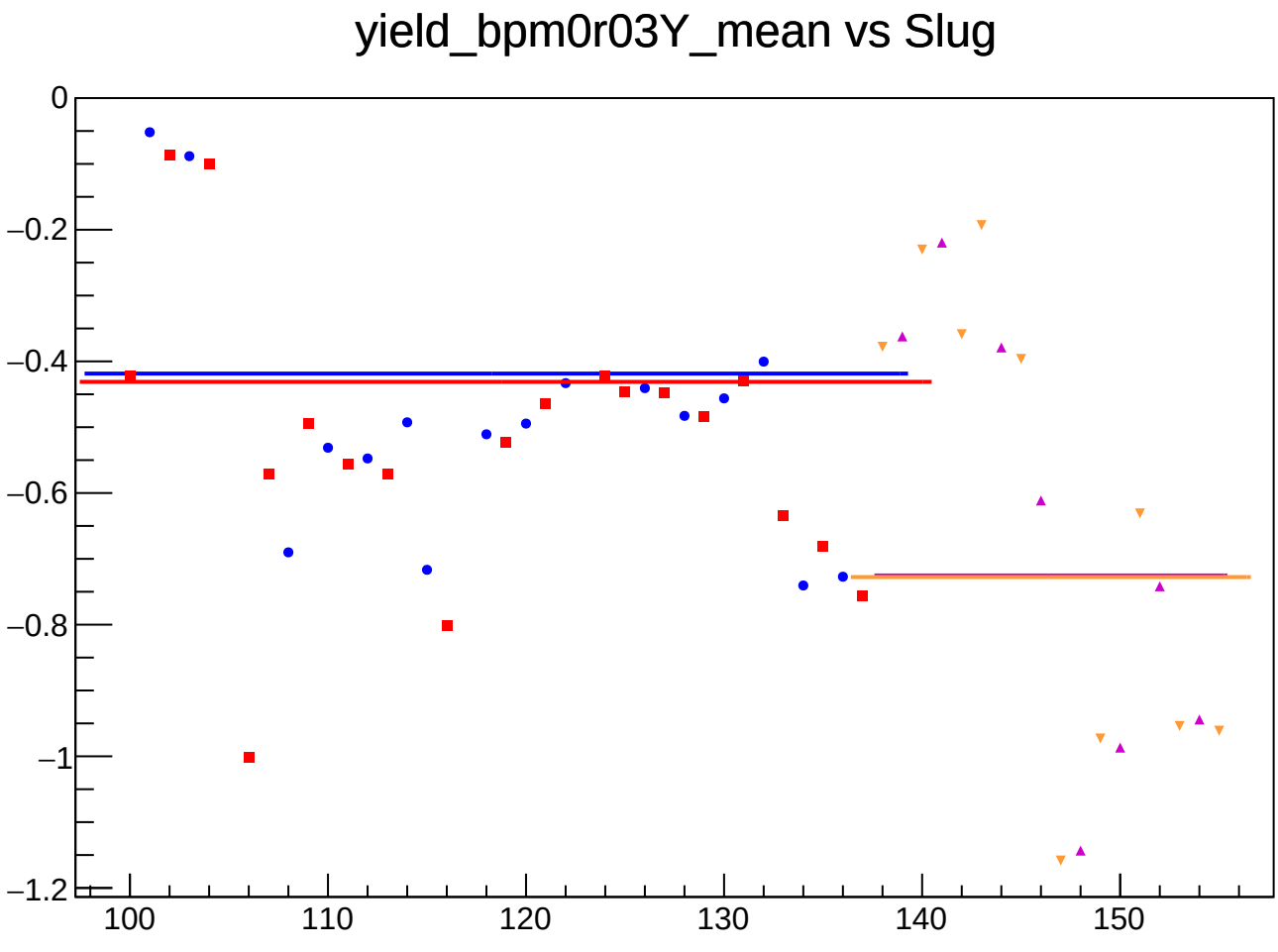
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:9285.3/7

+ sign 0.073+/-0.000 χ^2/NDF: 128387.5/25

All: 0.074+/-0.000 χ^2/NDF: 243370.4/52

- sign 0.074+/-0.000 χ^2/NDF: 113650.1/26



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.728+/-0.000 χ^2/NDF:12726003761.2/9

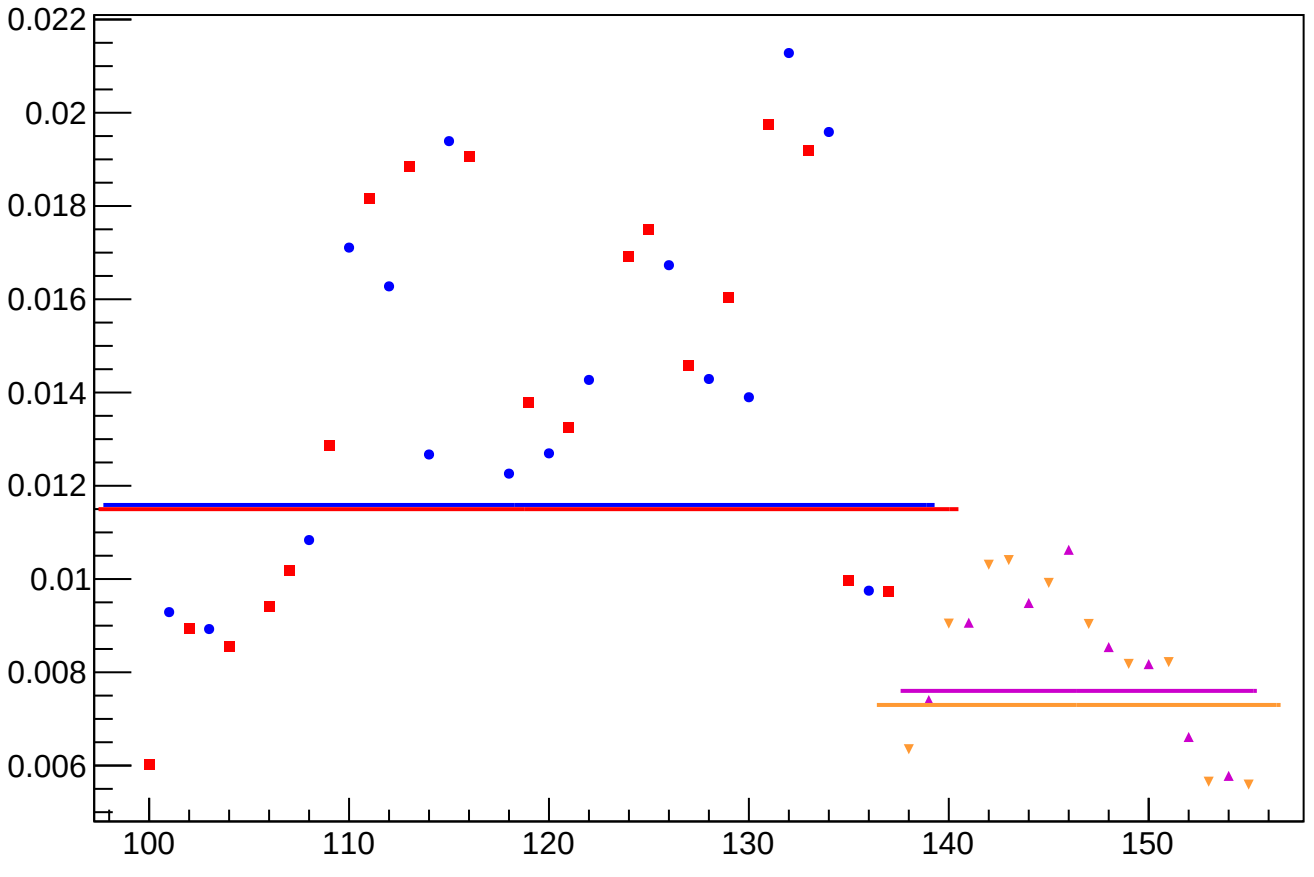
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.725+/-0.000 χ^2/NDF:9431228975.1/7

+ sign -0.648+/-0.000 χ^2/NDF: 18947676025.9/25

All: -0.643+/-0.000 χ^2/NDF: 34341690046.0/

- sign -0.637+/-0.000 χ^2/NDF: 15384818884.0/26



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:762879.5/9

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

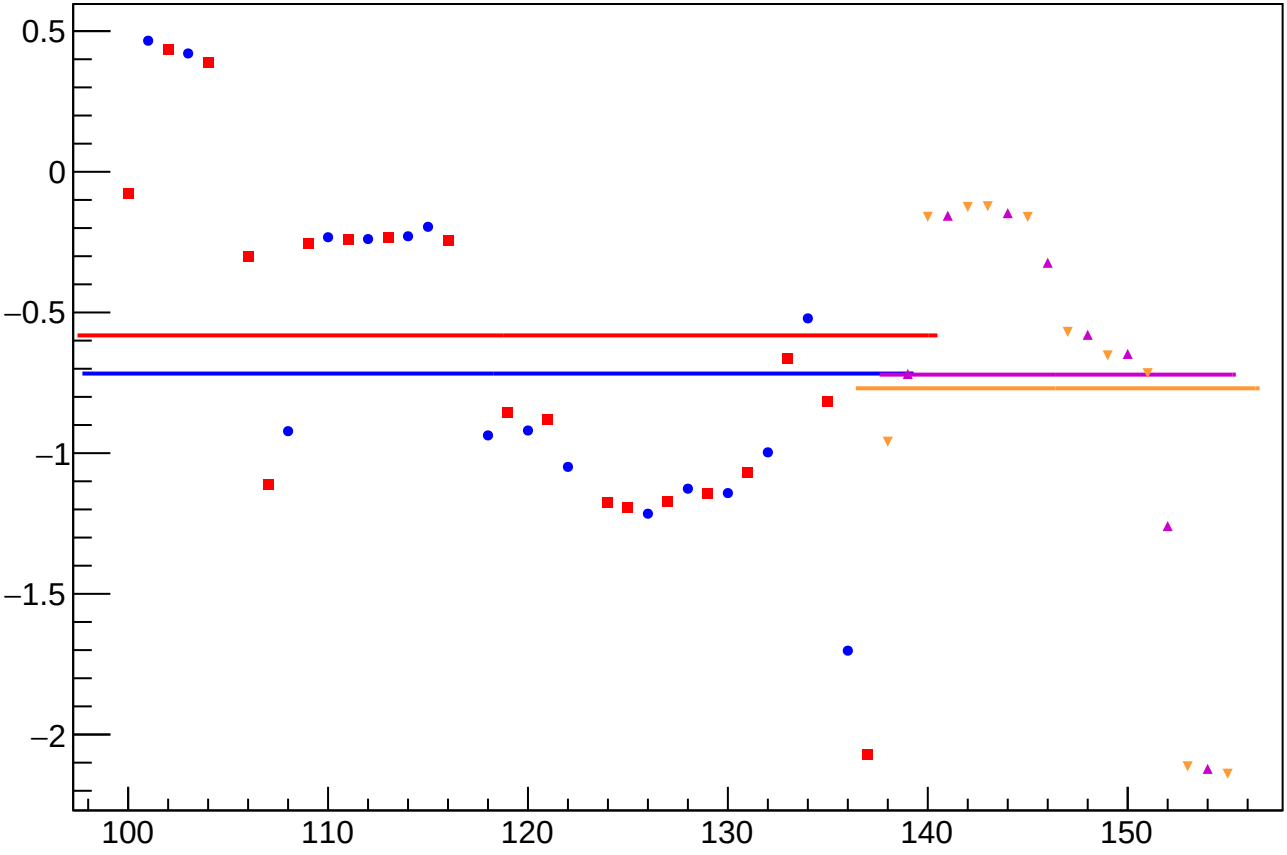
Left In: 0.008+/-0.000 χ^2/NDF:460526.1/7

+ sign 0.008+/-0.000 χ^2/NDF: 2761380.6/25

All: 0.009+/-0.000 χ^2/NDF: 5375490.8/52

- sign 0.009+/-0.000 χ^2/NDF: 2593112.5/26

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.770+/-0.000 χ^2/NDF:554859957.8/9

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

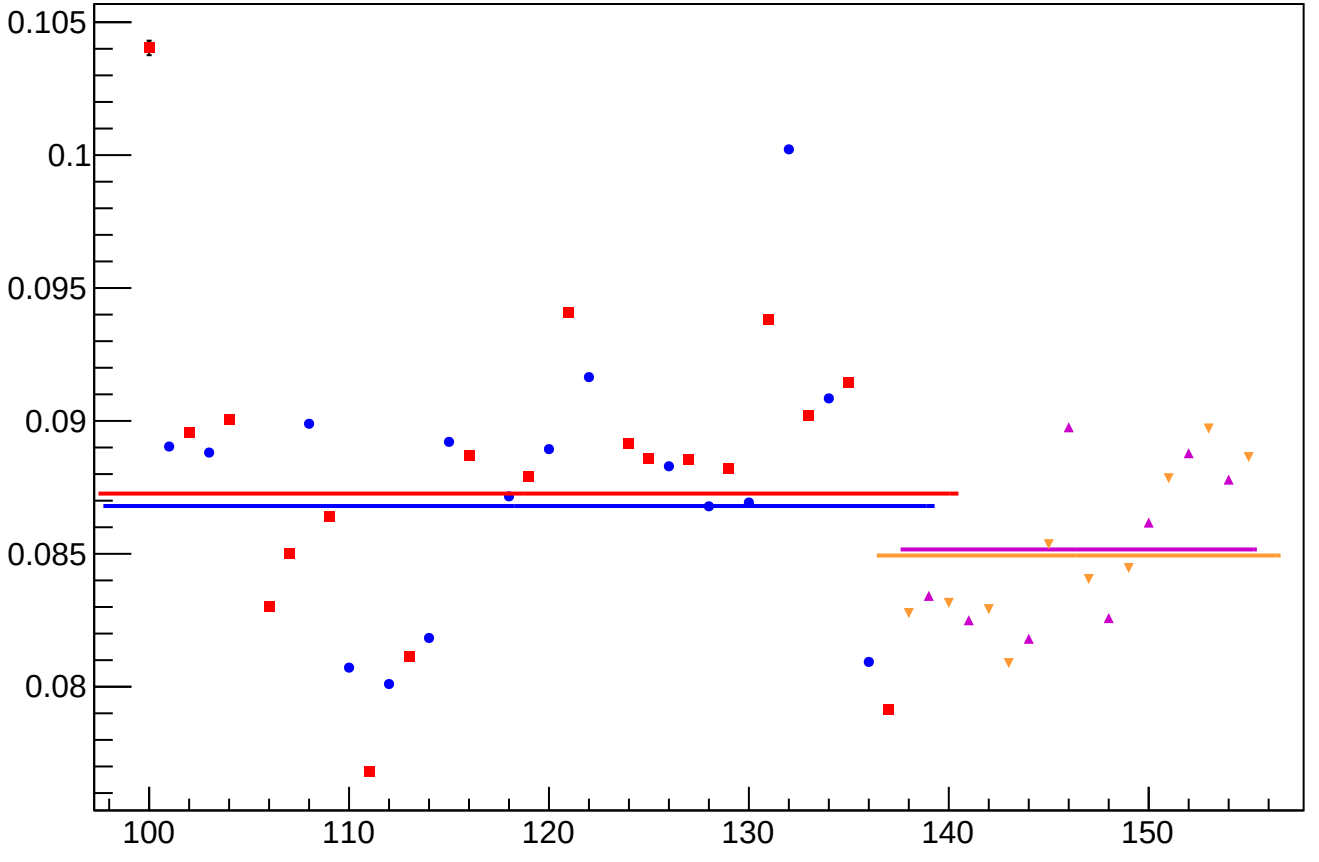
Left In: -0.721+/-0.000 χ^2/NDF:360803501.9/7

+ sign -0.745+/-0.000 χ^2/NDF: 993674425.0/25

All: -0.699+/-0.000 χ^2/NDF: 1714771966.3/5

- sign -0.650+/-0.000 χ^2/NDF: 712253929.0/26

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:16007.0/9

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

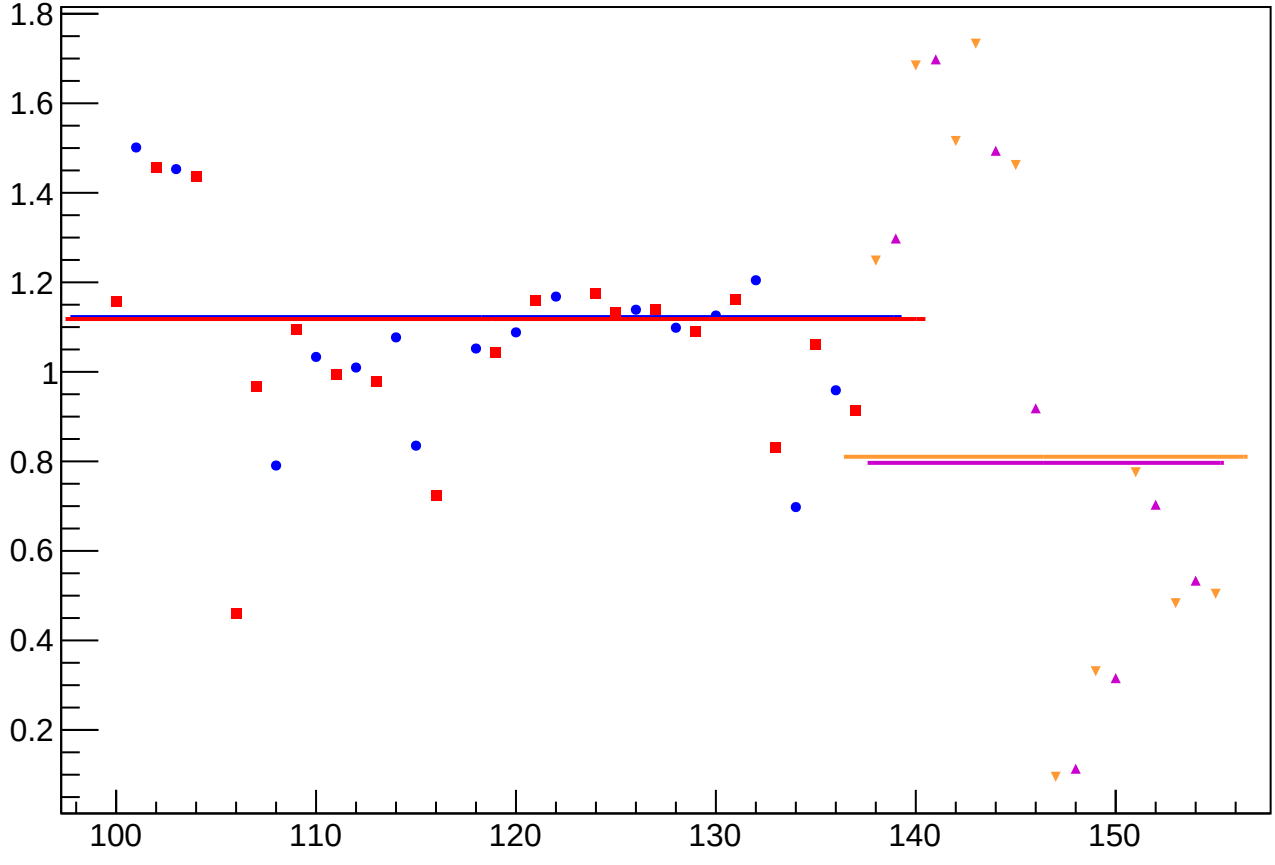
Left In: 0.085+/-0.000 χ^2/NDF:16461.8/7

+ sign 0.086+/-0.000 χ^2/NDF: 63086.9/25

All: 0.086+/-0.000 χ^2/NDF: 130328.1/52

- sign 0.086+/-0.000 χ^2/NDF: 66897.0/26

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.810+/-0.000 χ^2/NDF:23425907594.8/9

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

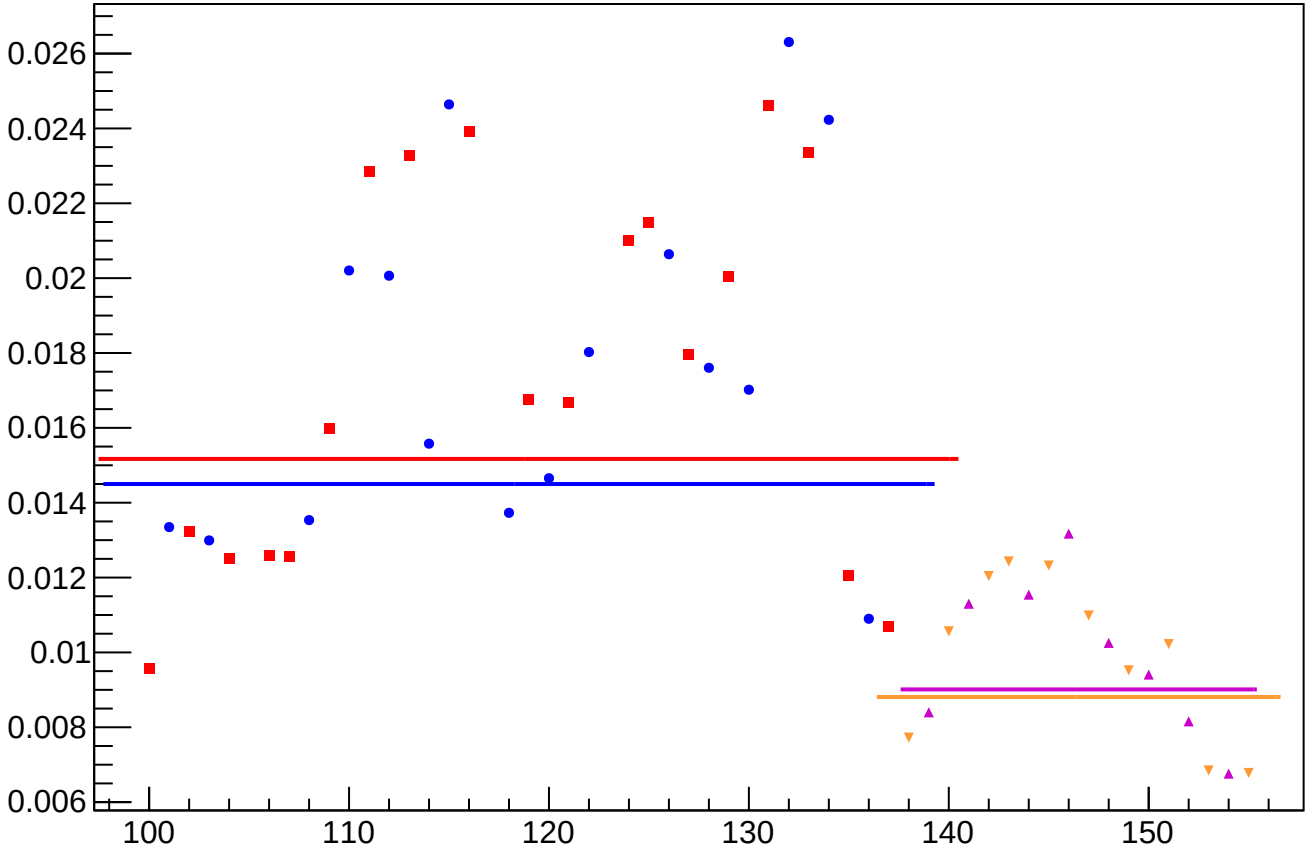
Left In: 0.797+/-0.000 χ^2/NDF:17991040306.7/7

+ sign 0.886+/-0.000 χ^2/NDF: 26977938339.2/25

All: 0.883+/-0.000 χ^2/NDF: 48580806242.4/5

- sign 0.880+/-0.000 χ^2/NDF: 21601048230.1/26

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:745610.3/9

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

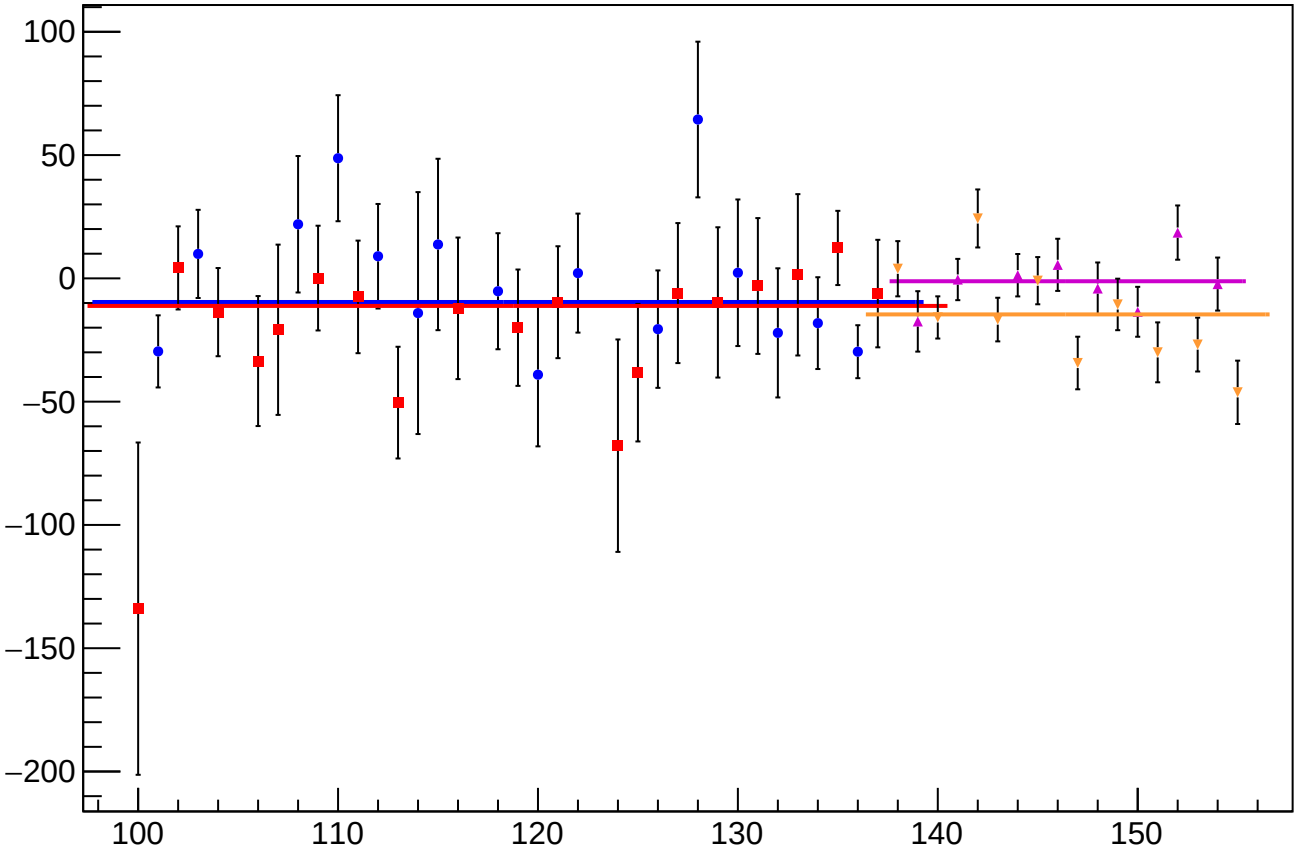
Left In: 0.009+/-0.000 χ^2/NDF:536983.9/7

+ sign 0.010+/-0.000 χ^2/NDF: 2850677.7/25

All: 0.010+/-0.000 χ^2/NDF: 5770104.9/52

- sign 0.011+/-0.000 χ^2/NDF: 2899764.7/26

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -14.617+/-3.302 χ^2/NDF:28.3/9

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

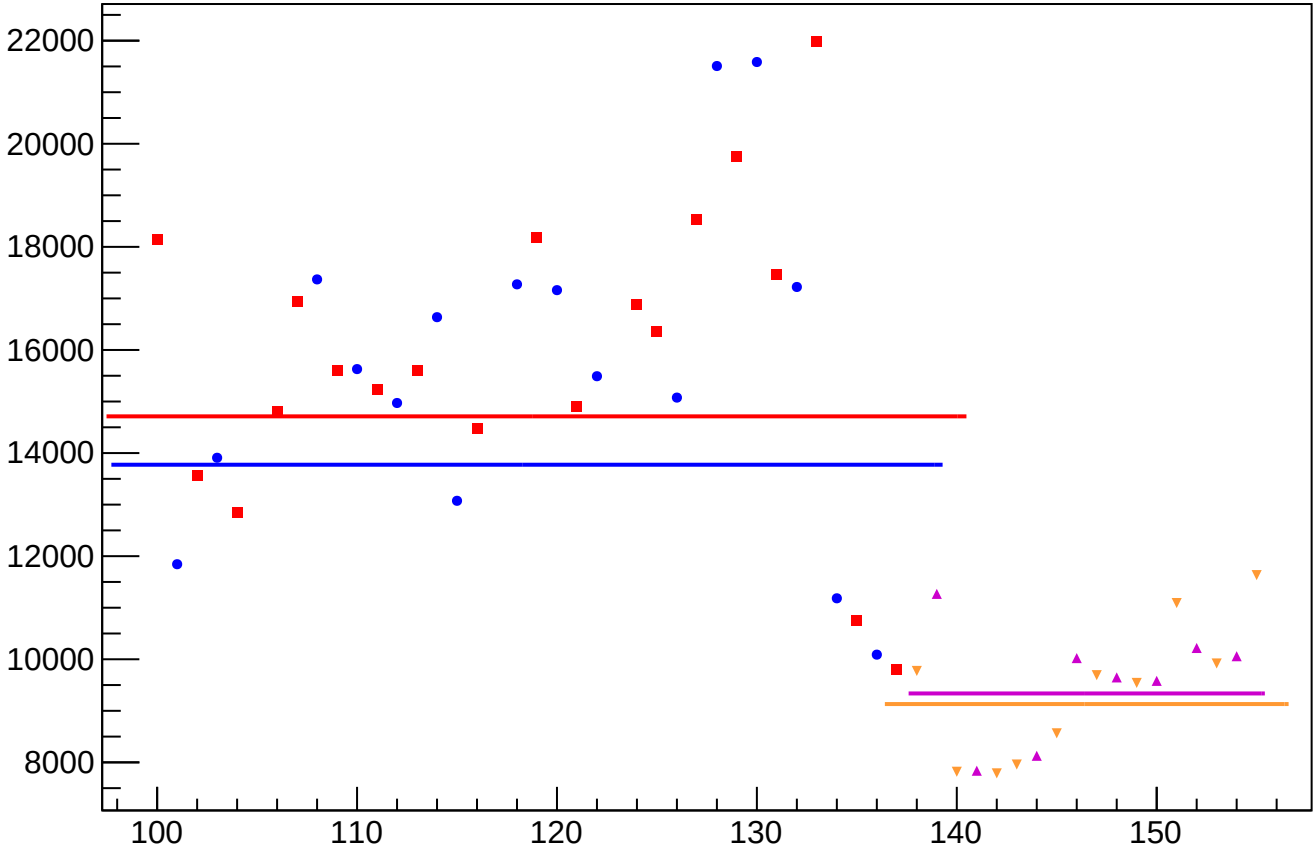
Left In: -1.169+/-3.557 χ^2/NDF:7.1/7

+ sign -13.205+/-2.801 χ^2/NDF: 50.8/25

All: -8.954+/-2.043 χ^2/NDF: 79.0/52

- sign -4.123+/-2.986 χ^2/NDF: 23.3/26

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9131.280+/-2.335 χ^2/NDF:268767.4/9

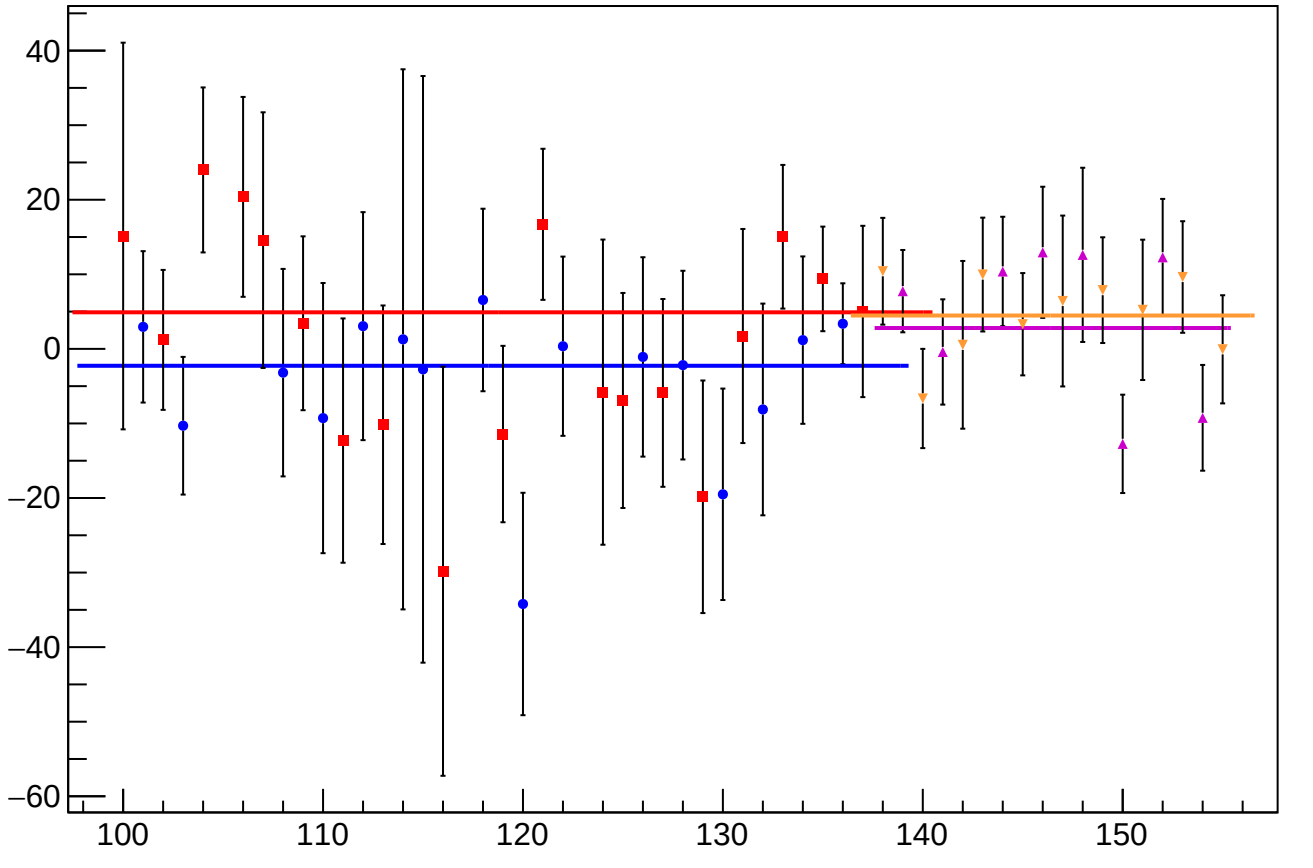
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9336.987+/-2.515 χ^2/NDF:186559.6/7

+ sign 10432.854+/-1.981 χ^2/NDF: 2124631.2/25

All: 10662.384+/-1.445 χ^2/NDF: 4245123.6/5

- sign 10923.213+/-2.112 χ^2/NDF: 2091807.6/26



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.475+/-2.469 χ^2/NDF:5.3/9

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

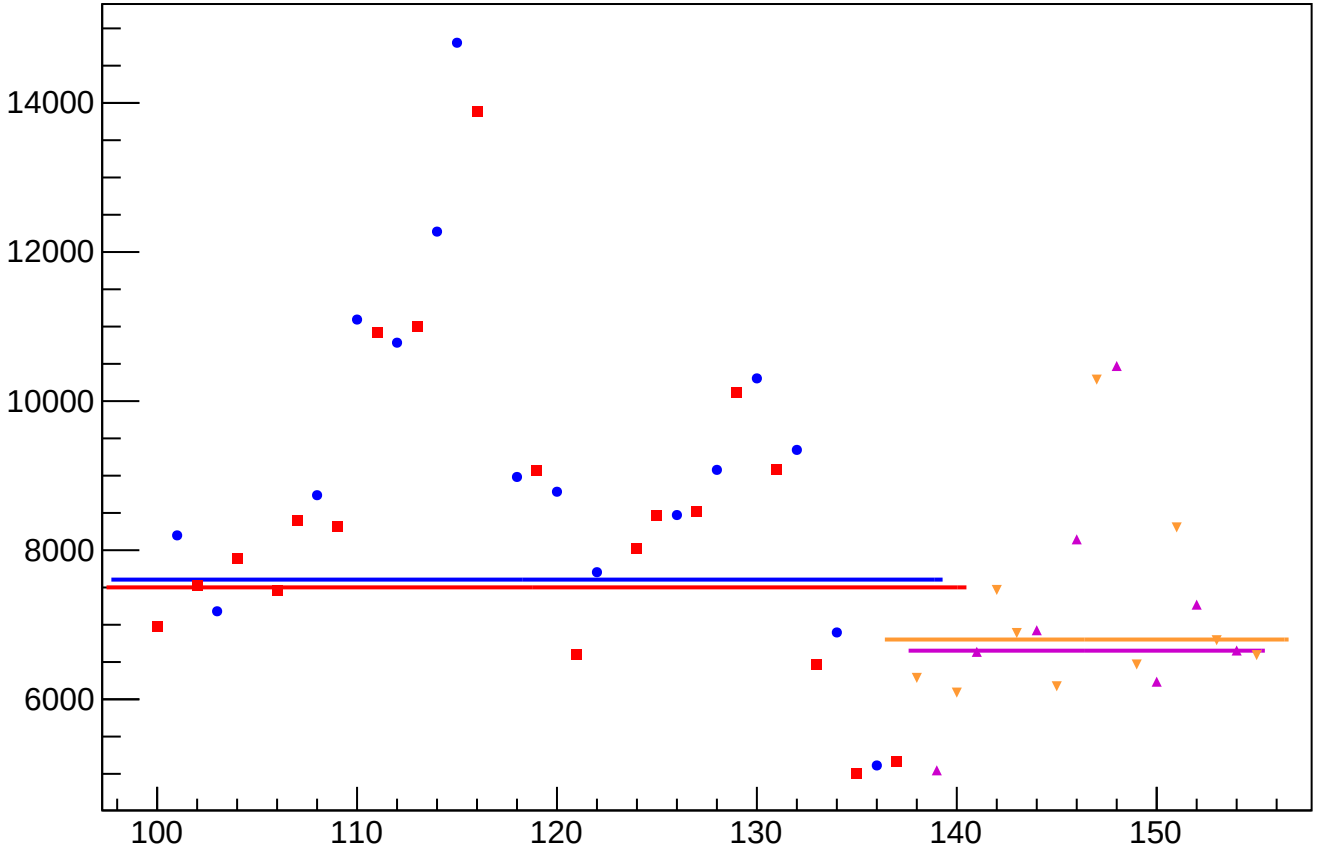
Left In: 2.798+/-2.574 χ^2/NDF:14.0/7

+ sign 1.667+/-1.886 χ^2/NDF: 17.7/25

All: 2.697+/-1.341 χ^2/NDF: 50.2/52

- sign 3.749+/-1.906 χ^2/NDF: 31.9/26

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6801.906+/-1.746 χ^2/NDF:299623.6/9

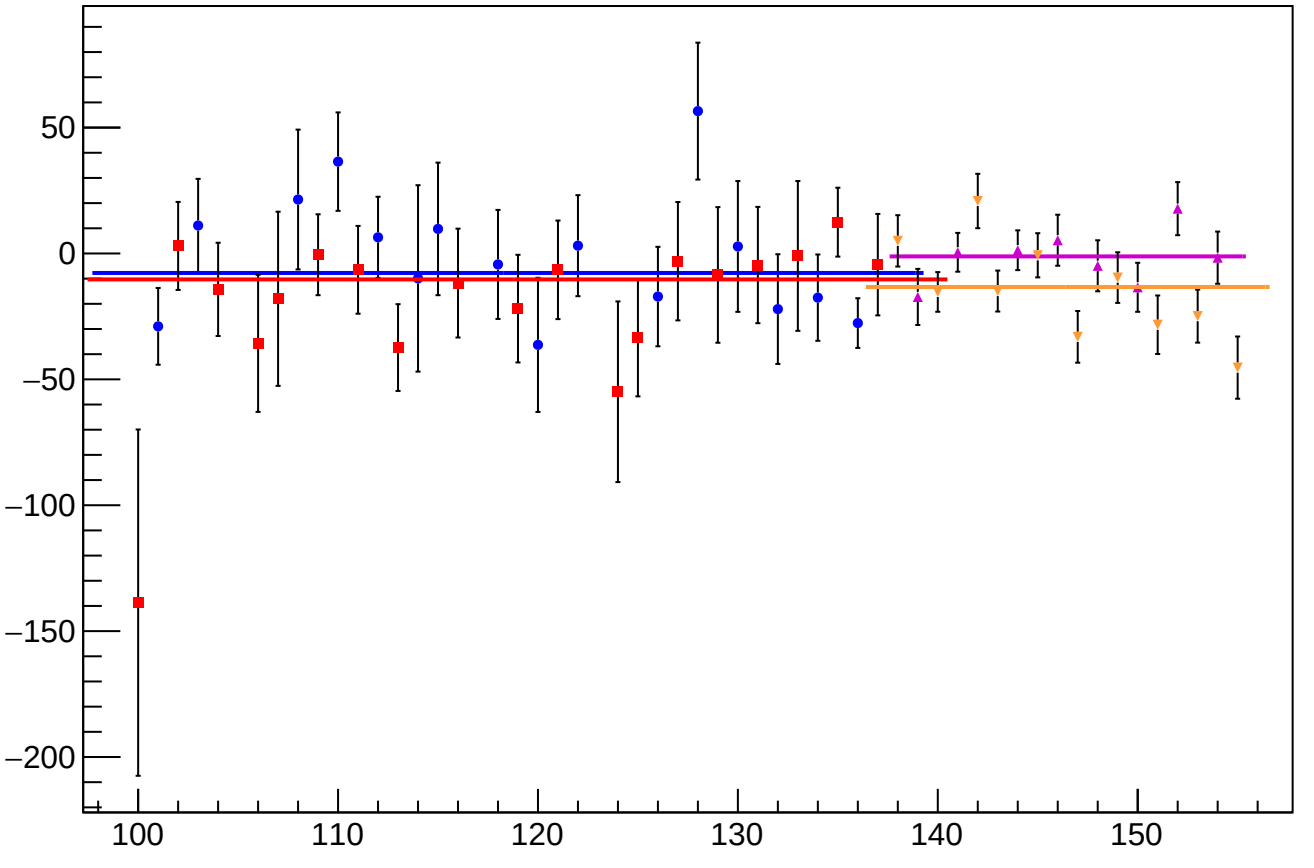
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6652.380+/-1.820 χ^2/NDF:463624.2/7

+ sign 7136.653+/-1.333 χ^2/NDF: 1279429.7/25

All: 7086.873+/-0.948 χ^2/NDF: 2667729.0/52

- sign 7036.007+/-1.348 χ^2/NDF: 1385481.3/26



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -13.312+/-3.089 χ^2/NDF:28.8/9

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

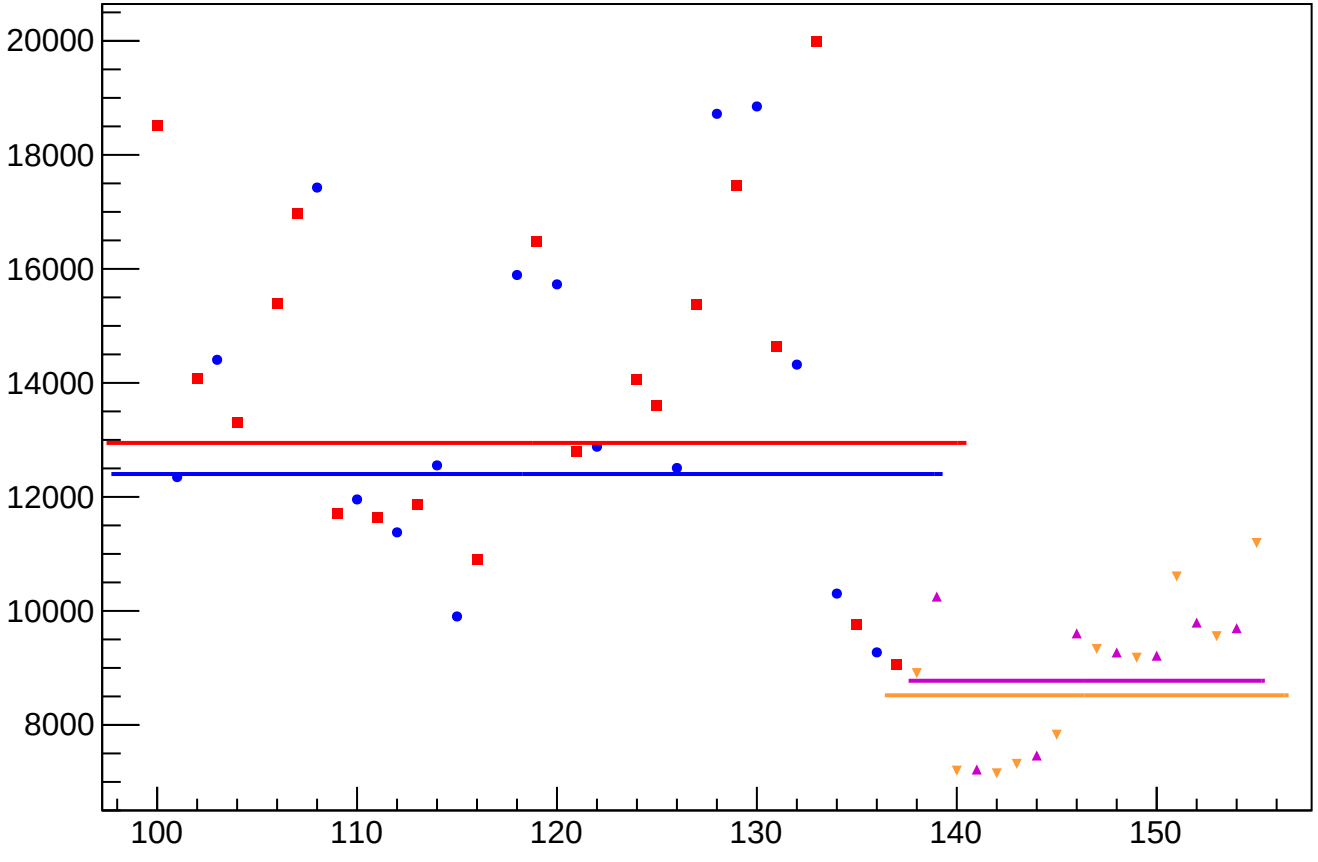
Left In: -1.166+/-3.348 χ^2/NDF:7.6/7

+ sign -11.655+/-2.590 χ^2/NDF: 52.5/25

All: -8.120+/-1.886 χ^2/NDF: 80.4/52

- sign -4.124+/-2.753 χ^2/NDF: 23.9/26

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8519.805+/-2.185 χ^2/NDF:345912.4/9

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

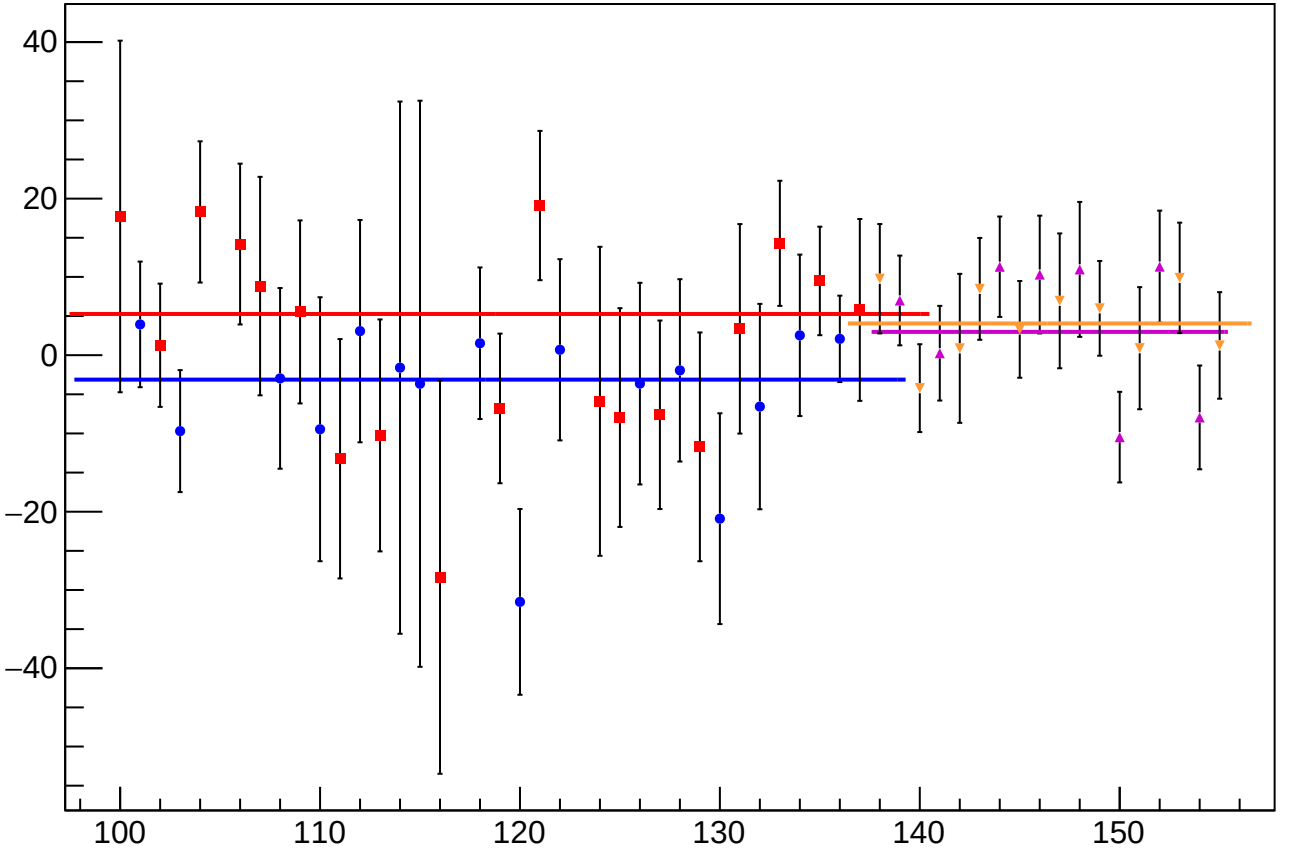
Left In: 8775.136+/-2.367 χ^2/NDF:228717.3/7

+ sign 9674.440+/-1.831 χ^2/NDF: 1963444.7/25

All: 9886.076+/-1.334 χ^2/NDF: 3781121.6/52

- sign 10125.306+/-1.947 χ^2/NDF: 1789217.7/26

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.052+/-2.172 χ^2/NDF:4.7/9

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

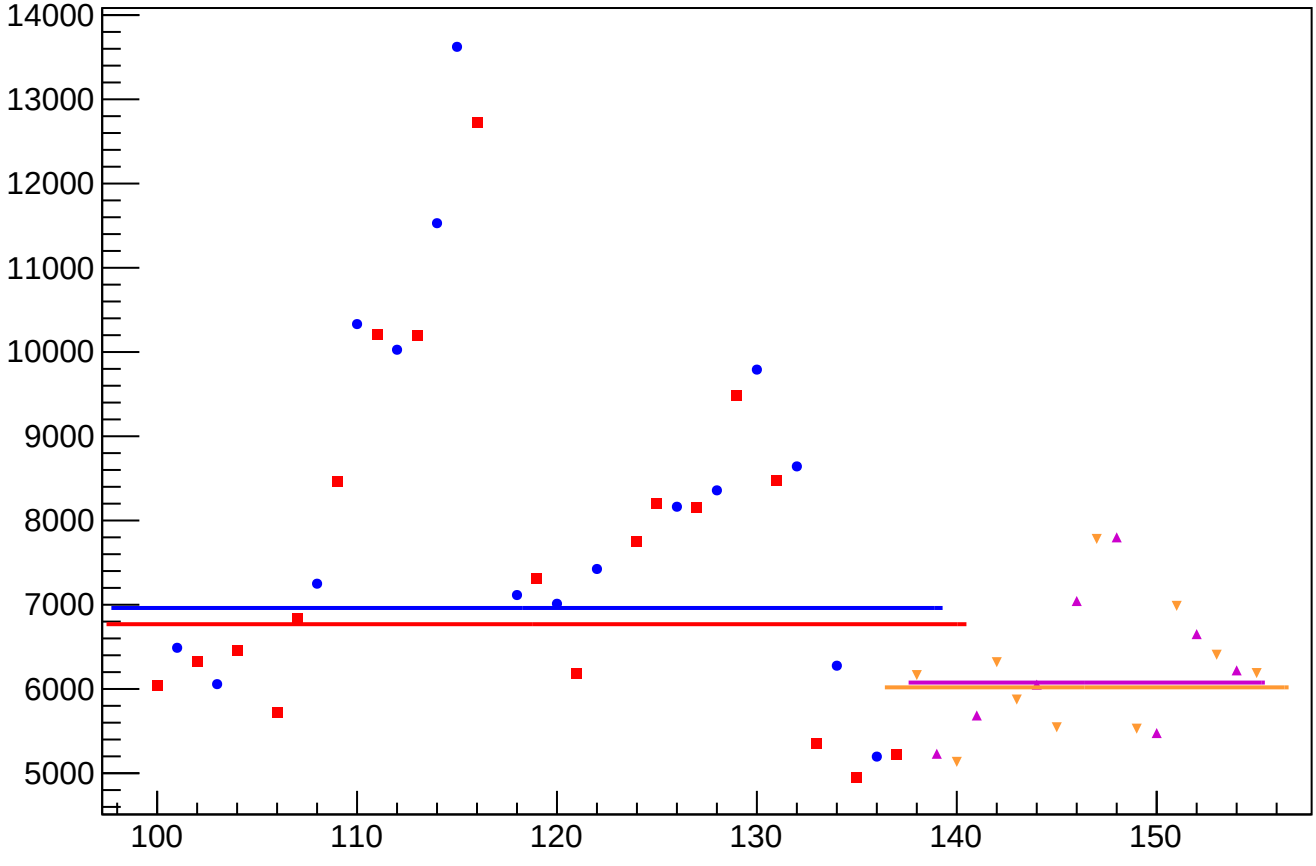
Left In: 2.975+/-2.323 χ^2/NDF:13.7/7

\+ sign 1.176+/-1.681 χ^2/NDF: 19.9/25

All: 2.563+/-1.202 χ^2/NDF: 52.3/52

\- sign 4.012+/-1.718 χ^2/NDF: 31.0/26

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6019.227+/-1.536 χ^2/NDF:200117.0/9

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

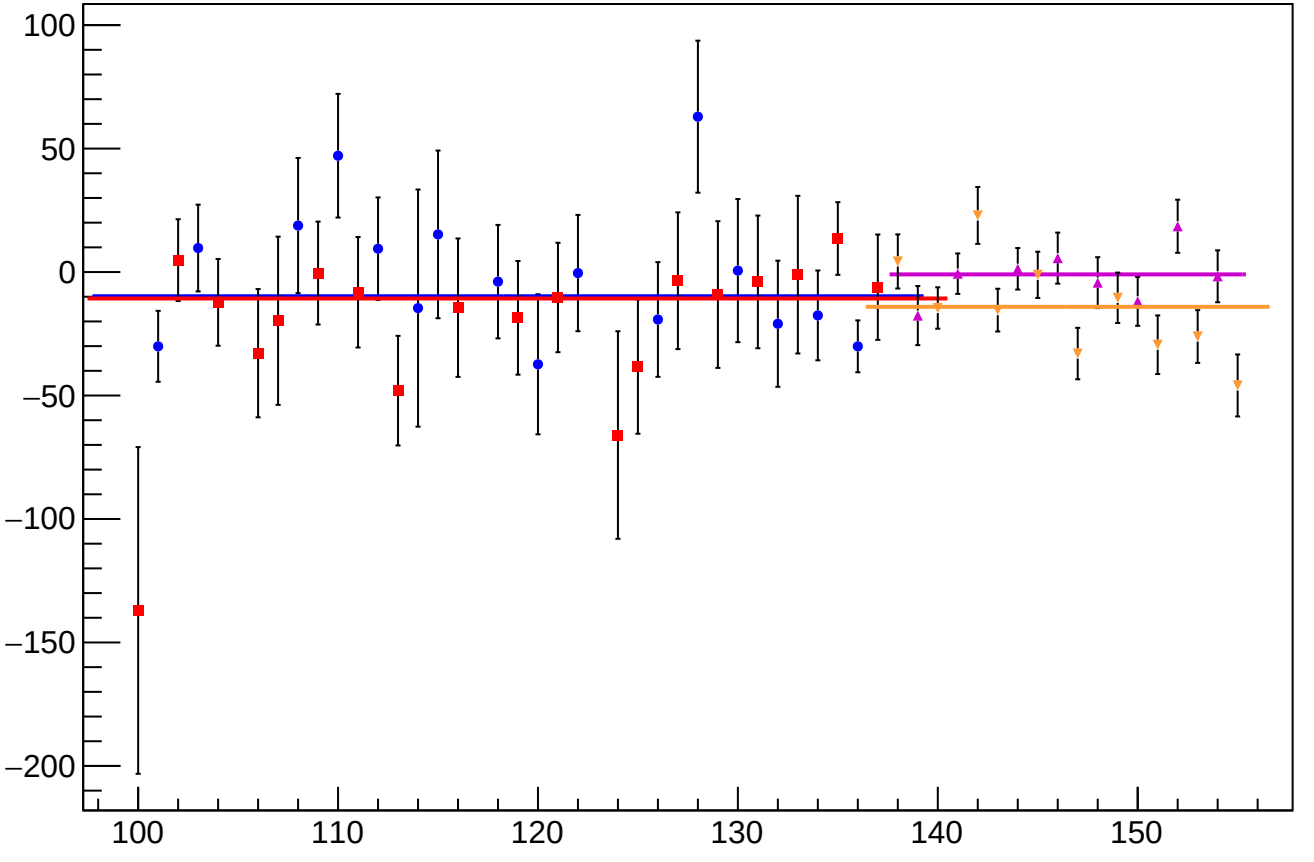
Left In: 6076.105+/-1.643 χ^2/NDF:200265.7/7

+ sign 6396.988+/-1.189 χ^2/NDF: 1047418.2/25

All: 6393.528+/-0.850 χ^2/NDF: 2126400.0/52

- sign 6389.916+/-1.215 χ^2/NDF: 1078964.5/26

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -14.087+/-3.230 χ^2/NDF:27.9/9

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

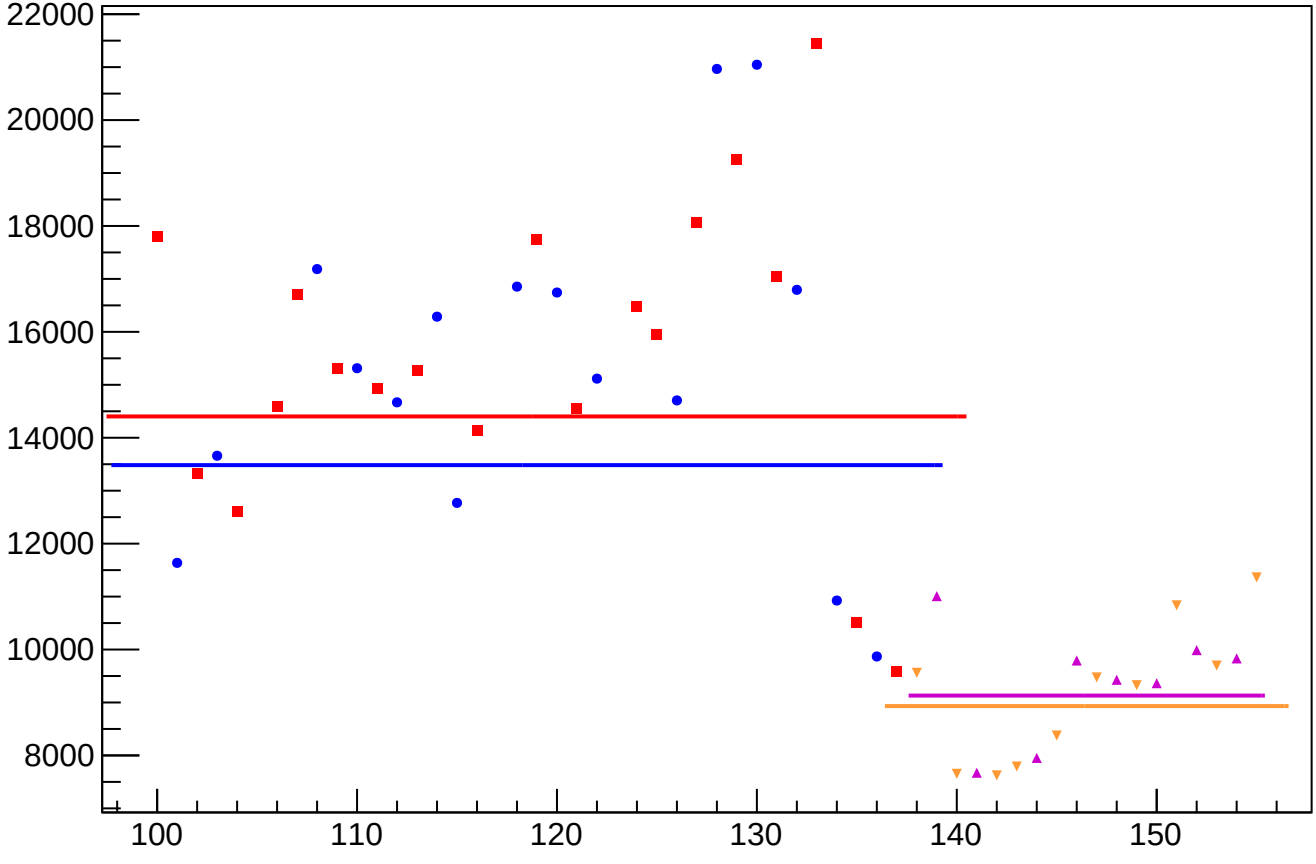
Left In: -0.947+/-3.478 χ^2/NDF:7.0/7

+ sign -12.889+/-2.740 χ^2/NDF: 50.4/25

All: -8.644+/-1.998 χ^2/NDF: 79.2/52

- sign -3.822+/-2.921 χ^2/NDF: 23.7/26

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8931.915+/-2.284 χ^2/NDF:265882.7/9

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

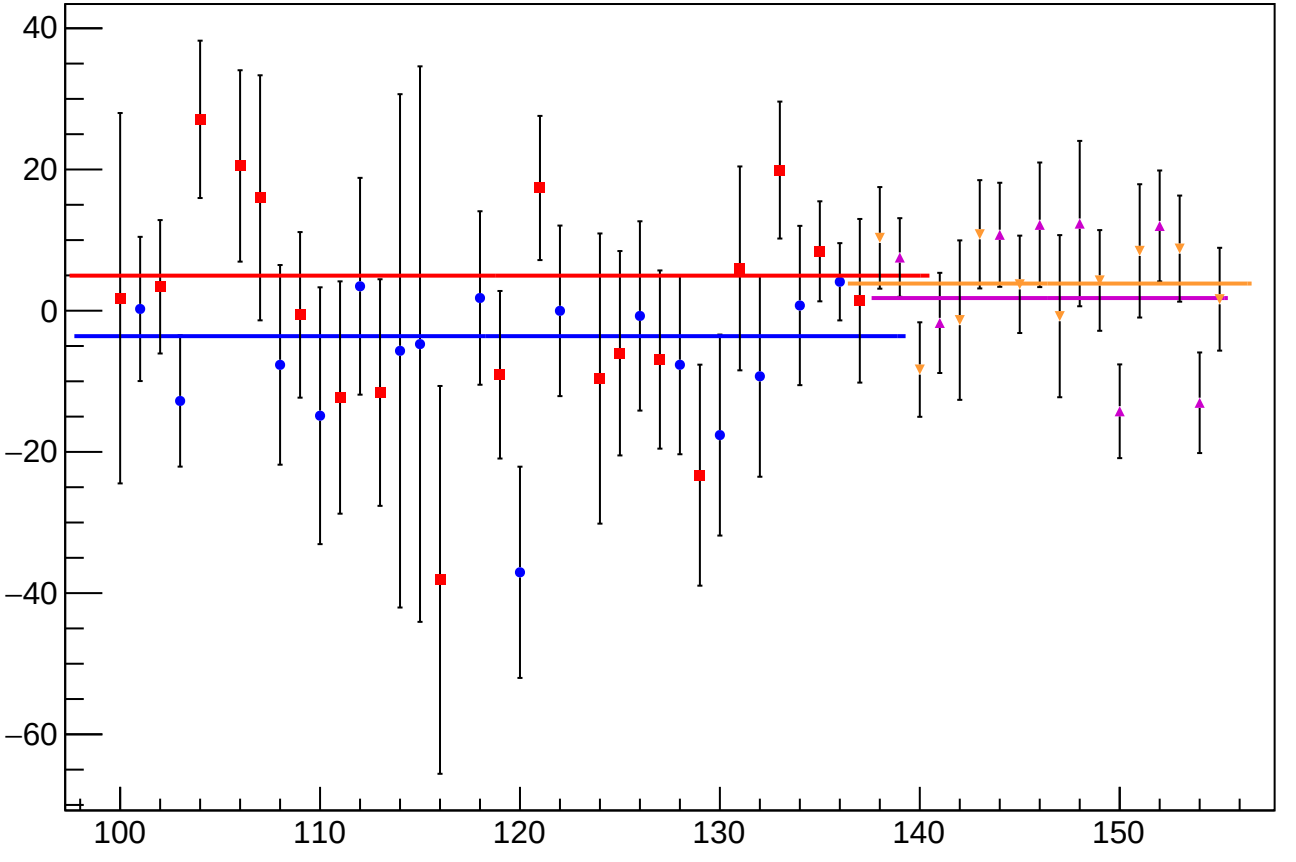
Left In: 9130.304+/-2.459 χ^2/NDF:184263.1/7

+ sign 10206.476+/-1.938 χ^2/NDF: 2121821.9/25

All: 10429.958+/-1.413 χ^2/NDF: 4241442.7/5

- sign 10683.835+/-2.065 χ^2/NDF: 2091207.3/26

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.846+/-2.480 χ^2/NDF:6.1/9

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

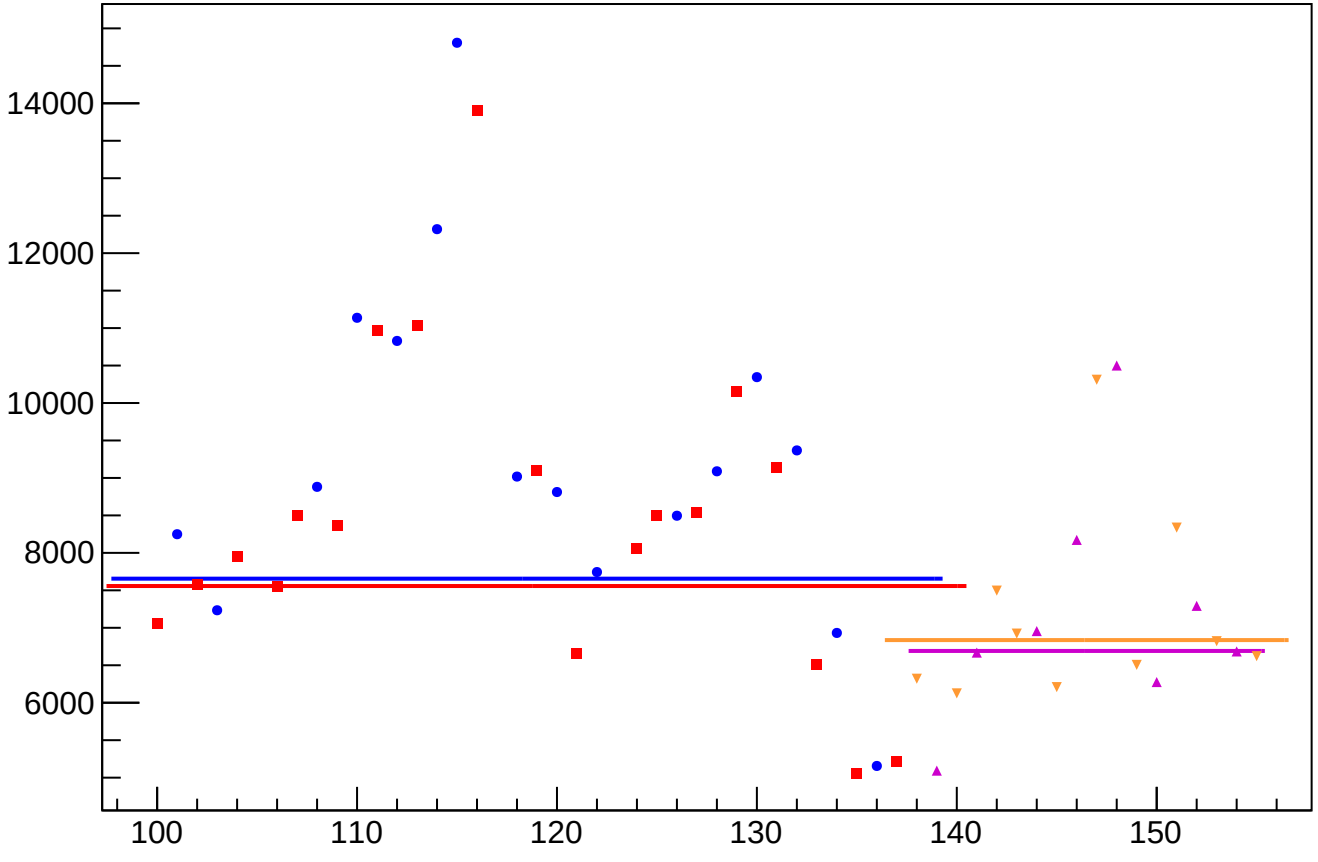
Left In: 1.790+/-2.588 χ^2/NDF:16.8/7

+ sign 0.747+/-1.896 χ^2/NDF: 20.3/25

All: 1.971+/-1.348 χ^2/NDF: 60.1/52

- sign 3.222+/-1.918 χ^2/NDF: 38.9/26

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6835.970+/-1.754 χ^2/NDF:296343.6/9

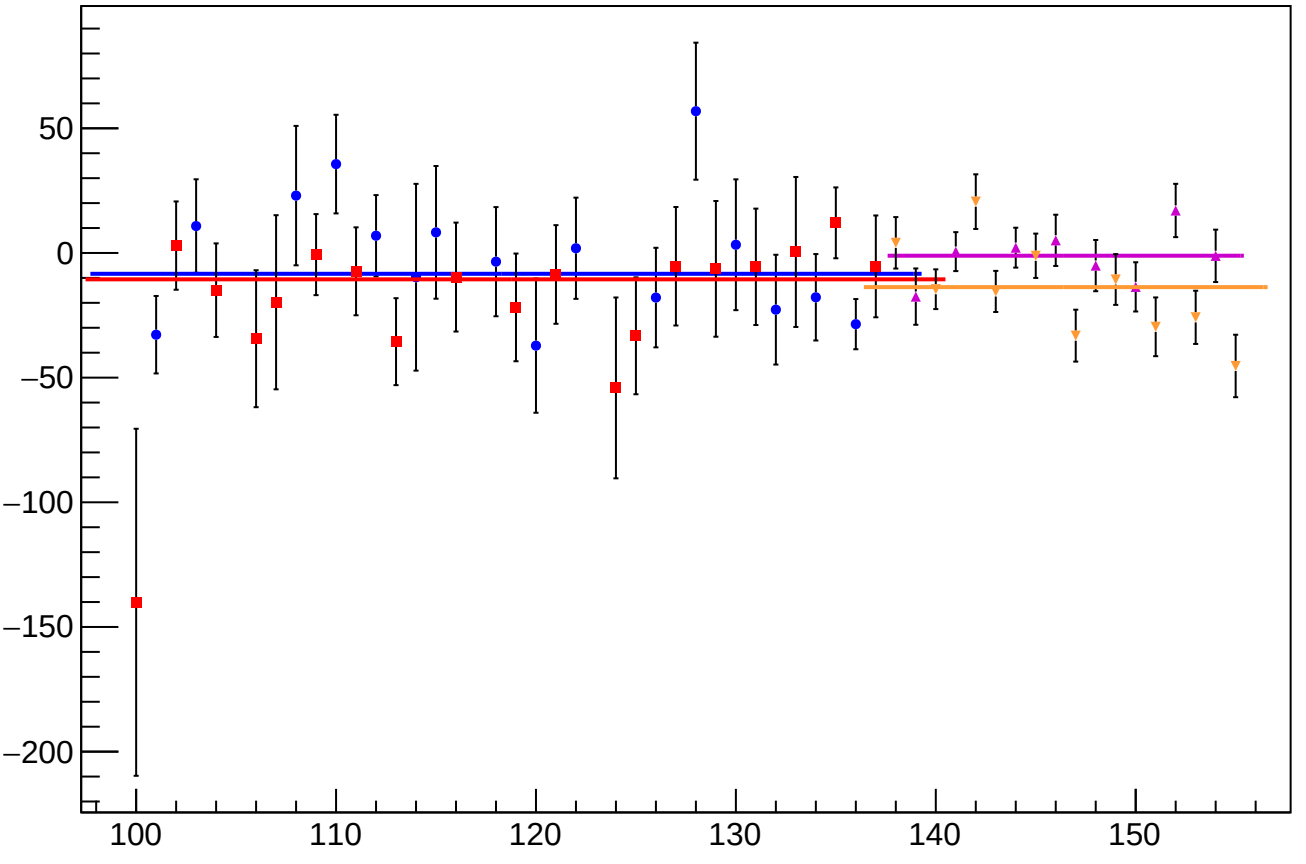
Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6691.069+/-1.830 χ^2/NDF:454710.9/7

+ sign 7176.882+/-1.341 χ^2/NDF: 1266981.0/25

All: 7129.918+/-0.953 χ^2/NDF: 2635122.5/52

- sign 7081.861+/-1.356 χ^2/NDF: 1365658.1/26



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -13.697+/-3.130 χ^2/NDF:27.9/9

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

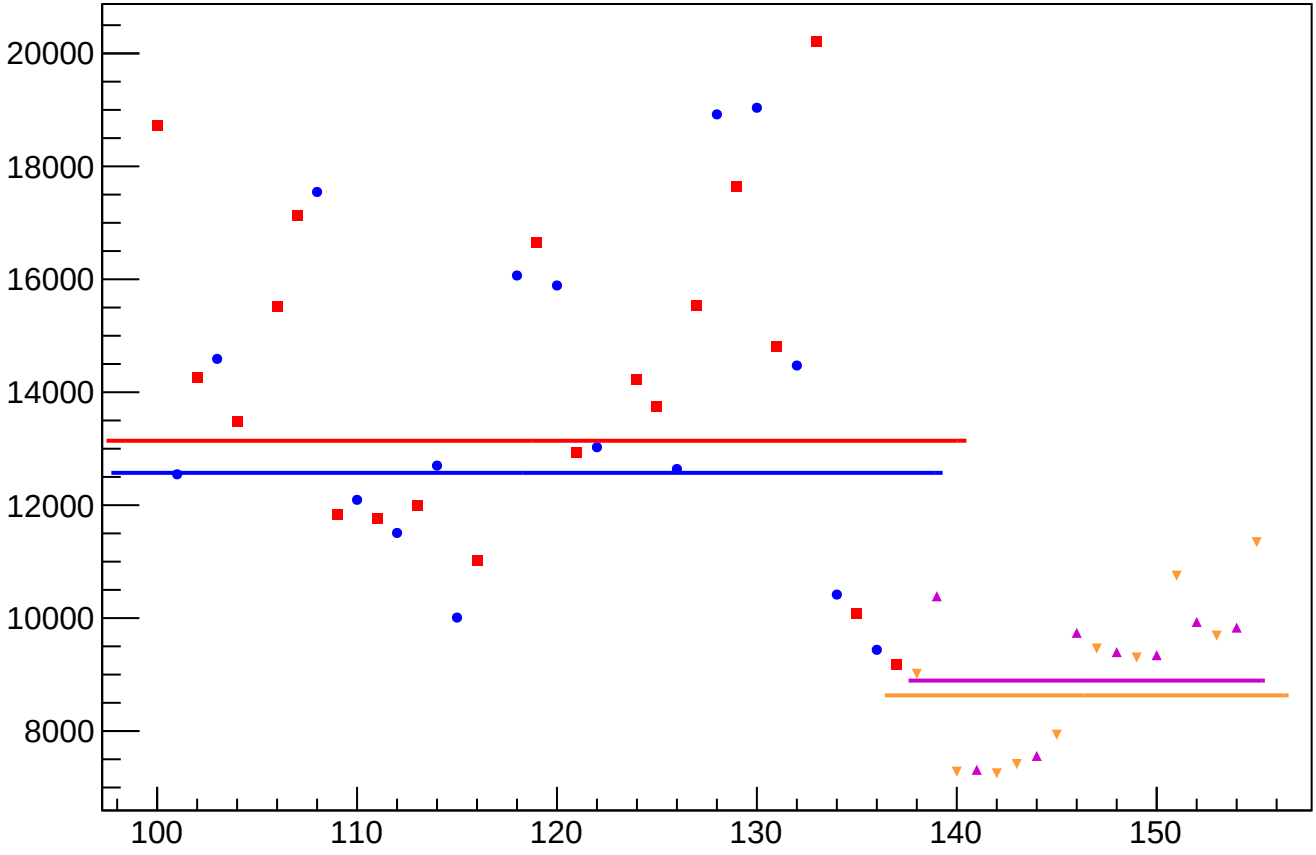
Left In: -1.105+/-3.393 χ^2/NDF:7.3/7

+ sign -12.108+/-2.624 χ^2/NDF: 52.0/25

All: -8.381+/-1.912 χ^2/NDF: 79.0/52

- sign -4.165+/-2.791 χ^2/NDF: 22.7/26

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8632.195+/-2.213 χ^2/NDF:347376.7/9

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

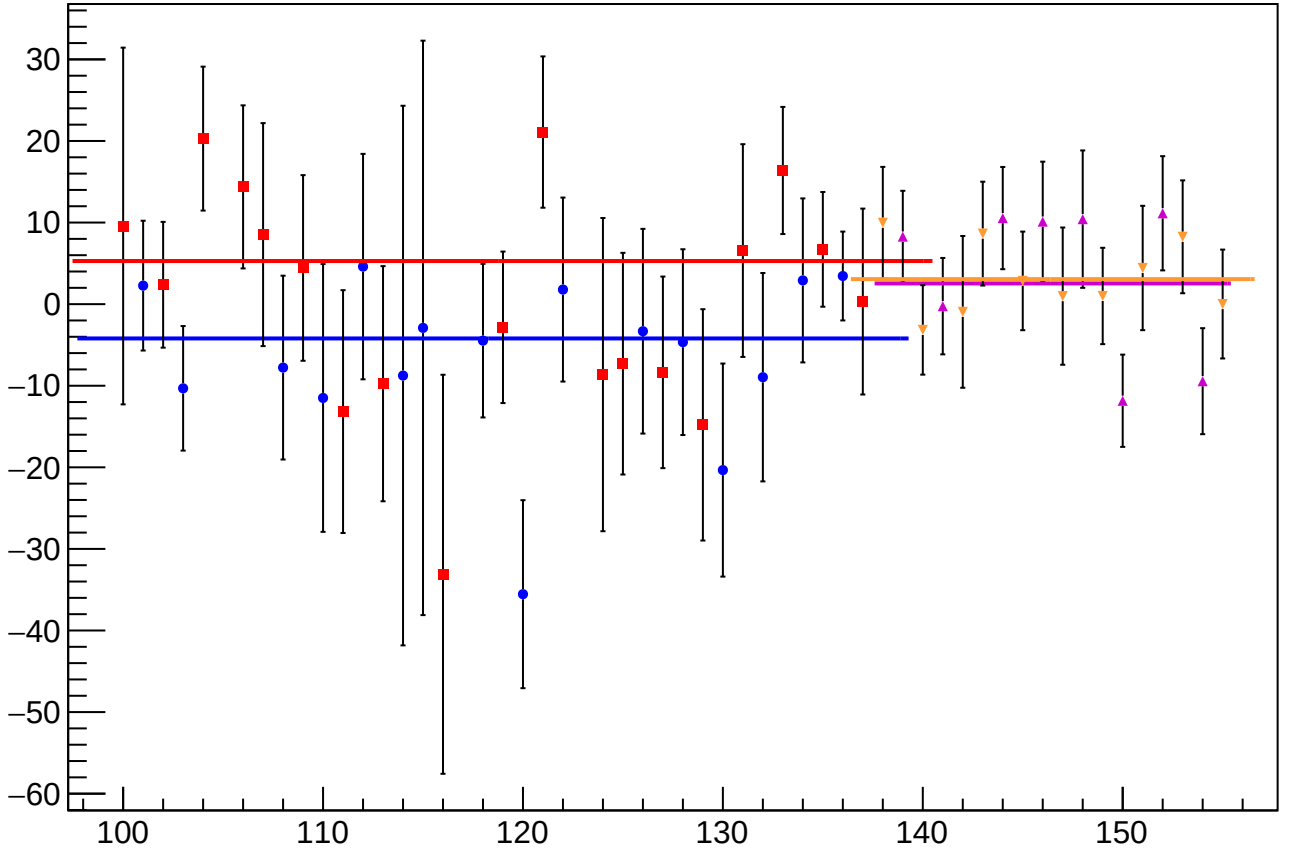
Left In: 8893.508+/-2.399 χ^2/NDF:229760.6/7

+ sign 9803.290+/-1.856 χ^2/NDF: 1954233.2/25

All: 10020.362+/-1.352 χ^2/NDF: 3760724.6/5

- sign 10265.977+/-1.974 χ^2/NDF: 1777323.6/26

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.068+/-2.124 χ^2/NDF:4.2/9

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

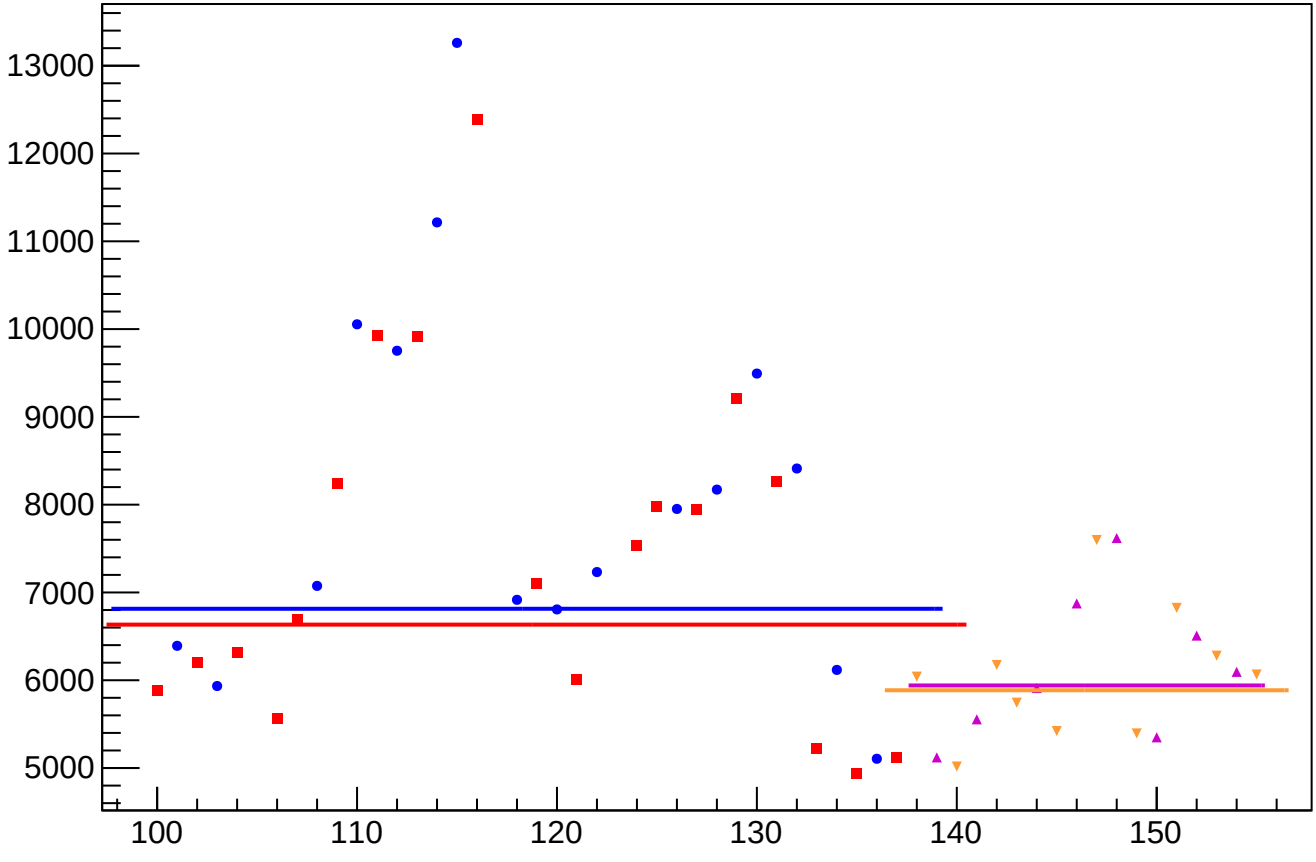
Left In: 2.539+/-2.271 χ^2/NDF:16.2/7

+ sign 0.158+/-1.645 χ^2/NDF: 22.8/25

All: 1.929+/-1.176 χ^2/NDF: 61.8/52

- sign 3.781+/-1.682 χ^2/NDF: 36.6/26

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5885.962+/-1.502 χ^2/NDF:200969.1/9

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

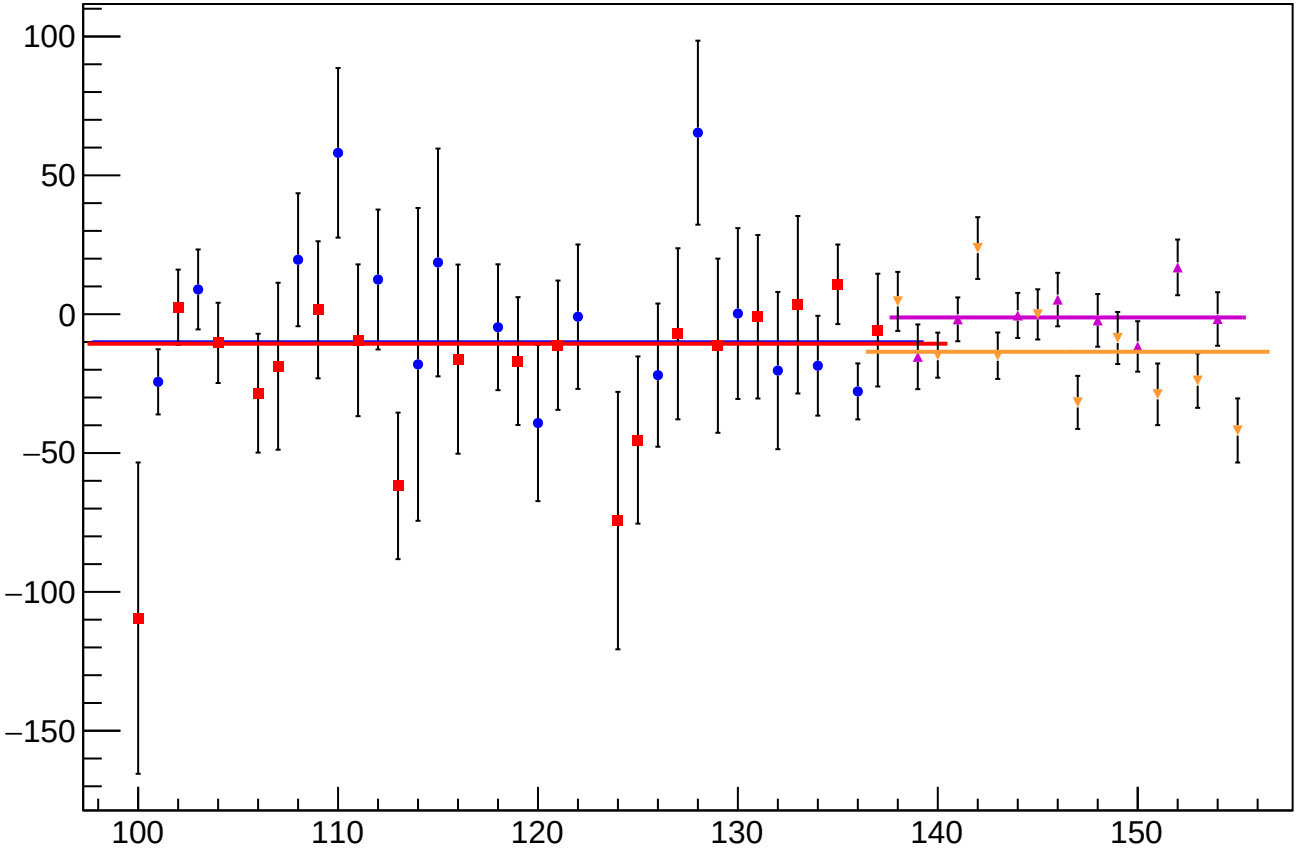
Left In: 5940.634+/-1.606 χ^2/NDF:199284.2/7

+ sign 6257.502+/-1.163 χ^2/NDF: 1027941.2/25

All: 6255.647+/-0.832 χ^2/NDF: 2074716.2/52

- sign 6253.708+/-1.189 χ^2/NDF: 1046769.8/26

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -13.526+/-3.056 χ^2/NDF:29.4/9

Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

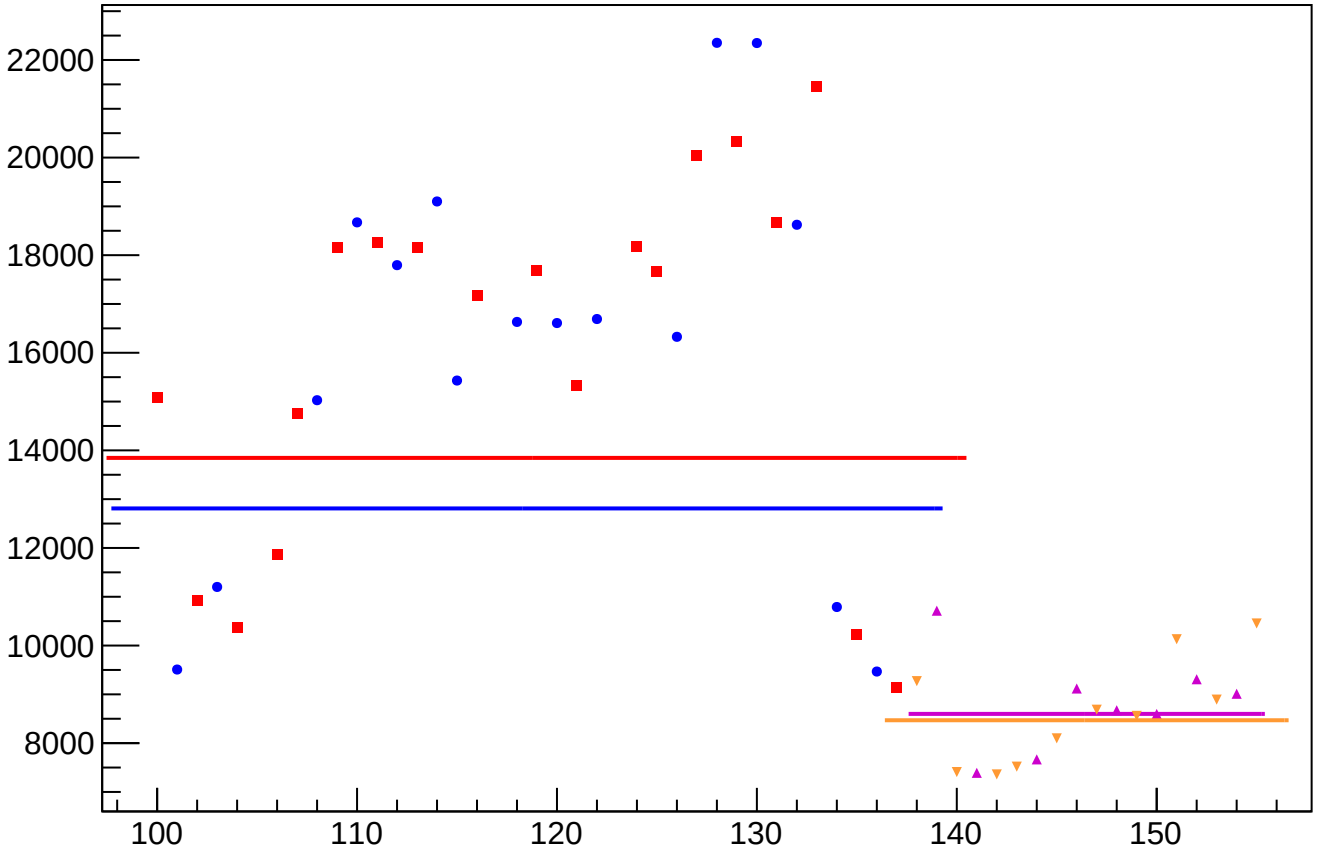
Left In: -1.169+/-3.273 χ^2/NDF:6.5/7

+ sign -12.602+/-2.610 χ^2/NDF: 51.0/25

All: -8.479+/-1.903 χ^2/NDF: 79.9/52

- sign -3.796+/-2.781 χ^2/NDF: 23.6/26

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8469.091+/-2.161 χ^2/NDF:203577.3/9

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

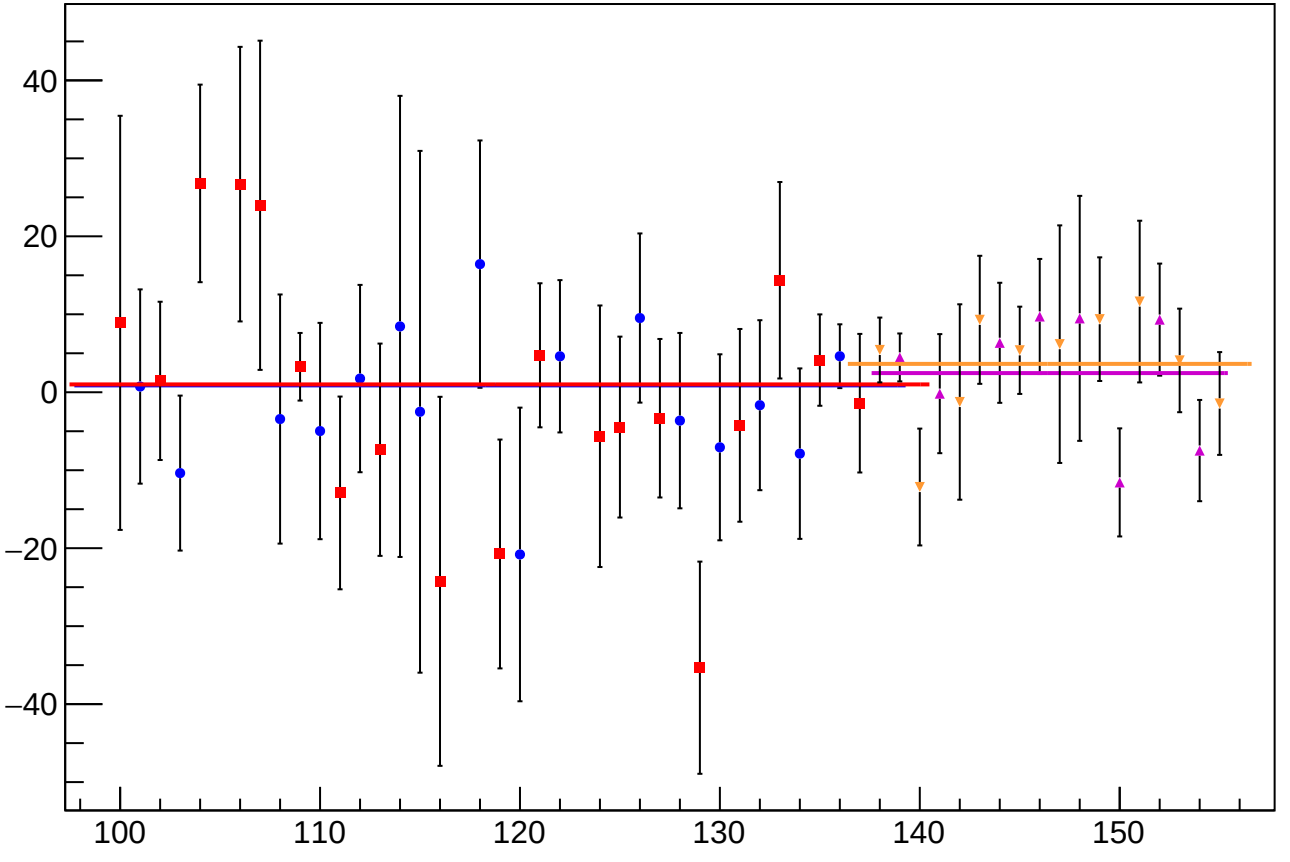
Left In: 8599.508+/-2.314 χ^2/NDF:158741.8/7

+ sign 9643.600+/-1.845 χ^2/NDF: 2543874.0/25

All: 9837.246+/-1.346 χ^2/NDF: 5250282.0/52

- sign 10057.210+/-1.967 χ^2/NDF: 2682888.8/26

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 3.639+/-2.214 χ^2/NDF:7.1/9

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

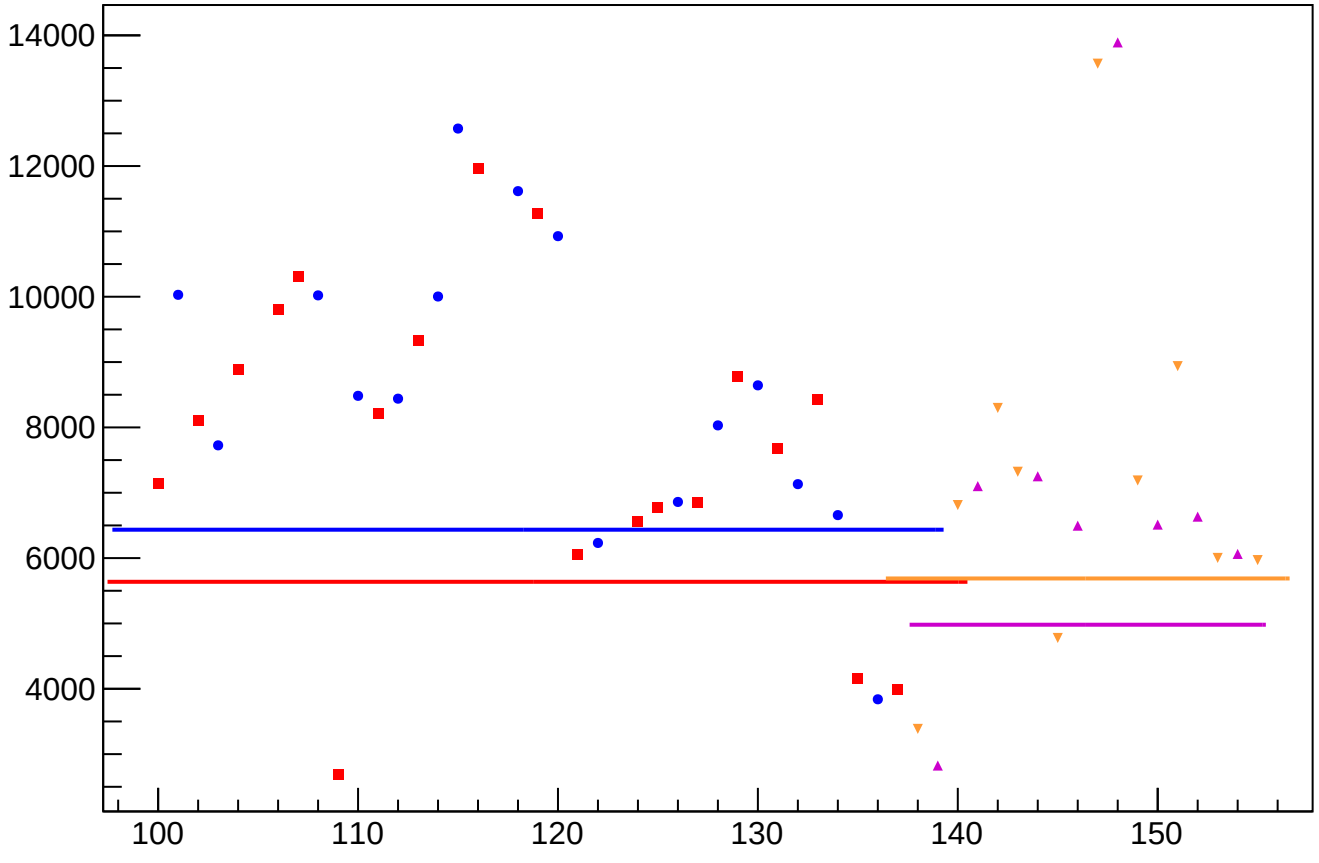
Left In: 2.458+/-2.102 χ^2/NDF:9.3/7

+ sign 2.462+/-1.676 χ^2/NDF: 14.6/25

All: 2.107+/-1.140 χ^2/NDF: 46.5/52

- sign 1.802+/-1.556 χ^2/NDF: 31.8/26

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5688.340+/-1.565 χ^2/NDF:1688566.7/9

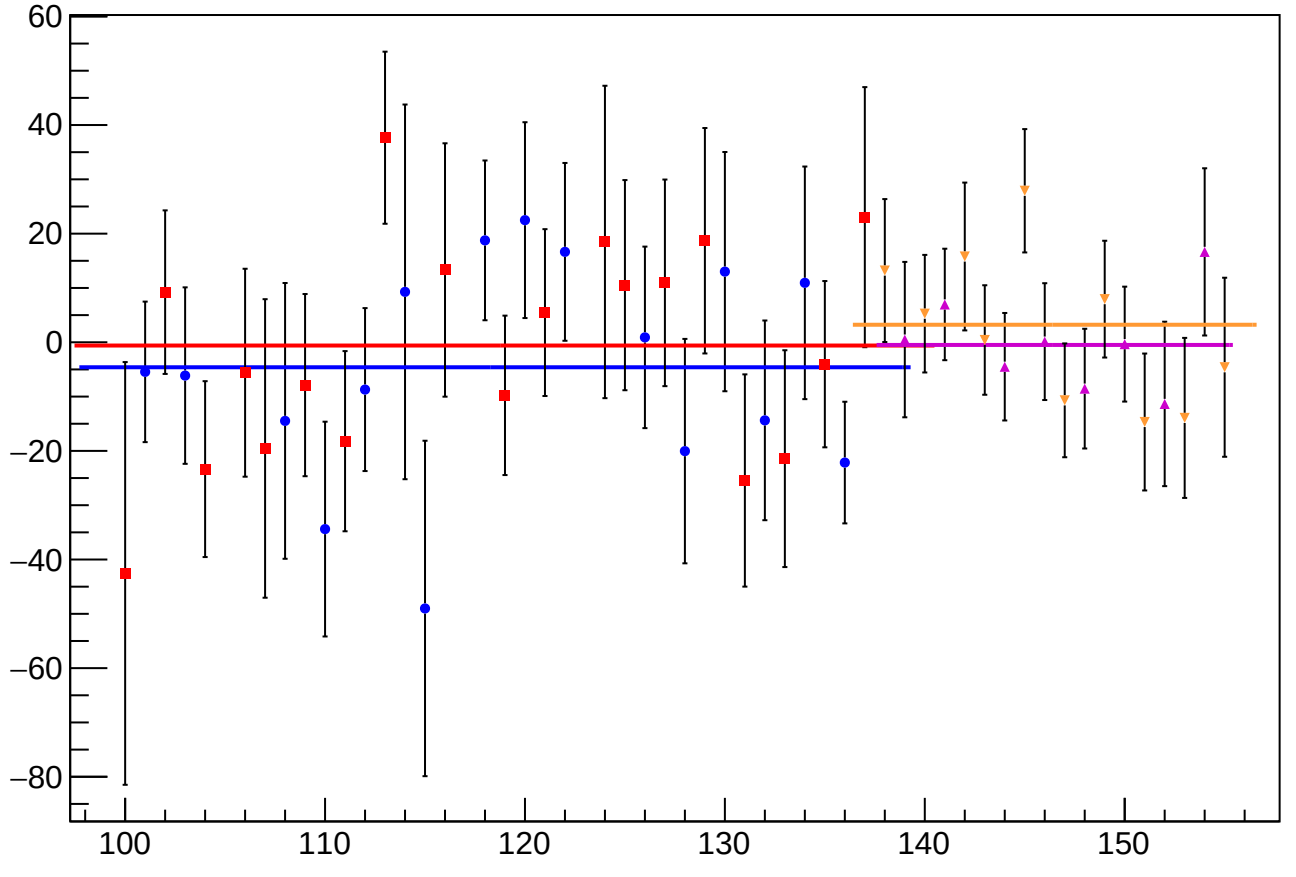
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4980.372+/-1.487 χ^2/NDF:2299707.8/7

+ sign 6006.724+/-1.185 χ^2/NDF: 3536145.6/25

All: 5615.019+/-0.806 χ^2/NDF: 8707541.3/52

- sign 5277.457+/-1.100 χ^2/NDF: 4968041.5/26



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 3.227+/-3.789 χ^2/NDF:11.8/9

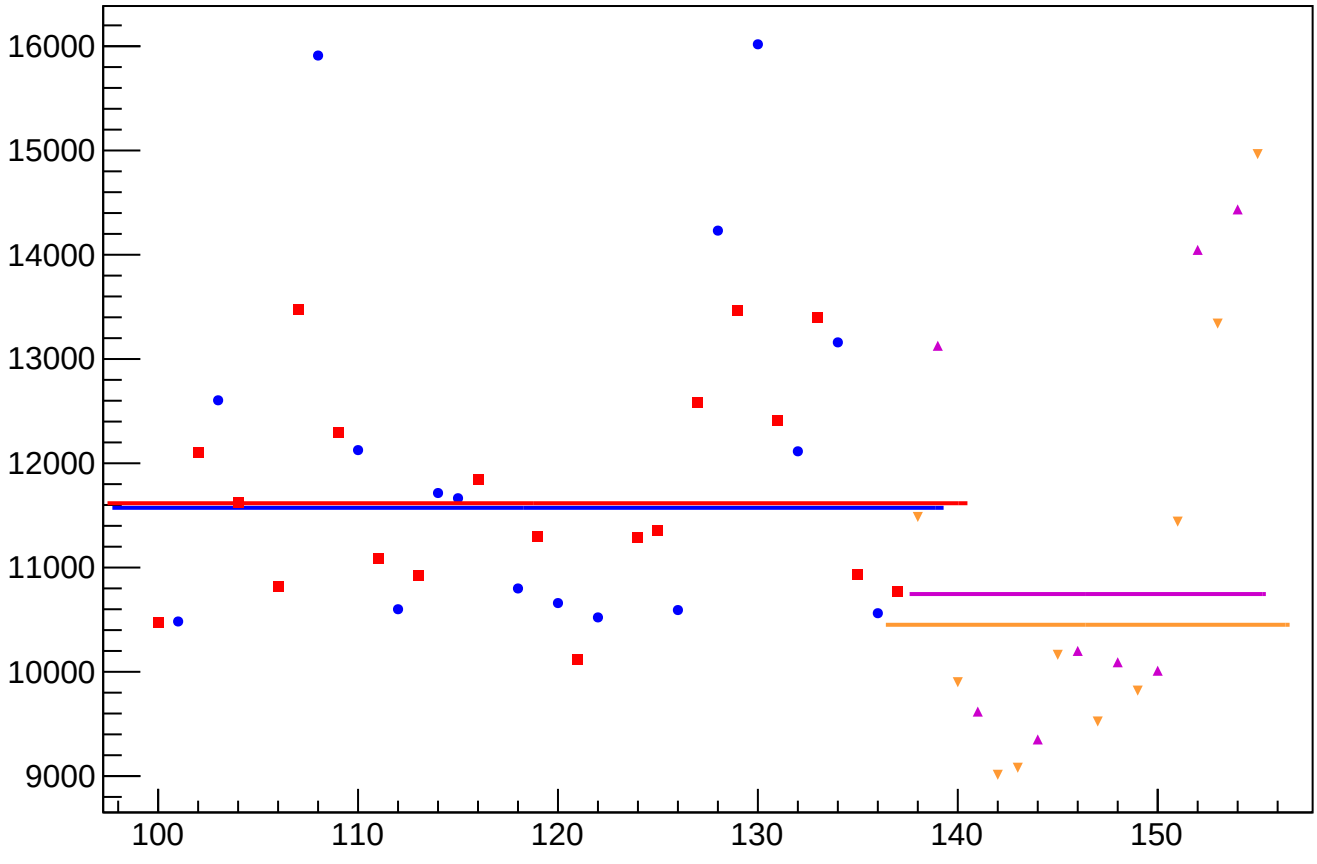
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -0.492+/-4.118 χ^2/NDF:3.0/7

+ sign -0.146+/-2.859 χ^2/NDF: 29.4/25

All: -0.338+/-2.057 χ^2/NDF: 50.3/52

- sign -0.544+/-2.963 χ^2/NDF: 20.9/26



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10451.107+/-2.679 χ^2/NDF:339935.7/9

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

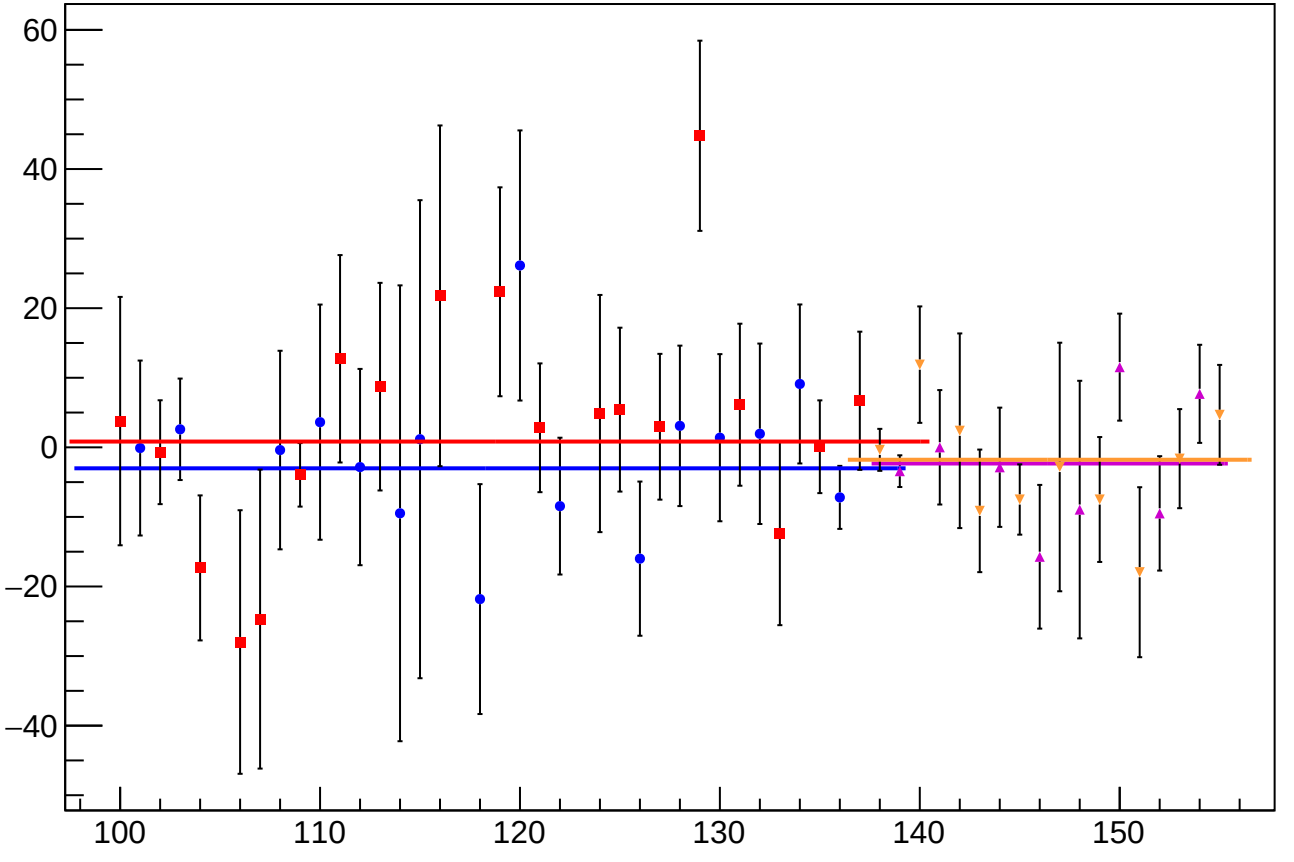
Left In: 10745.888+/-2.912 χ^2/NDF:351025.3/7

+ sign 10934.550+/-2.021 χ^2/NDF: 675558.6/25

All: 11046.063+/-1.455 χ^2/NDF: 1169209.0/5

- sign 11165.860+/-2.095 χ^2/NDF: 487336.9/26

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.782+/-2.030 χ^2/NDF:7.9/9

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

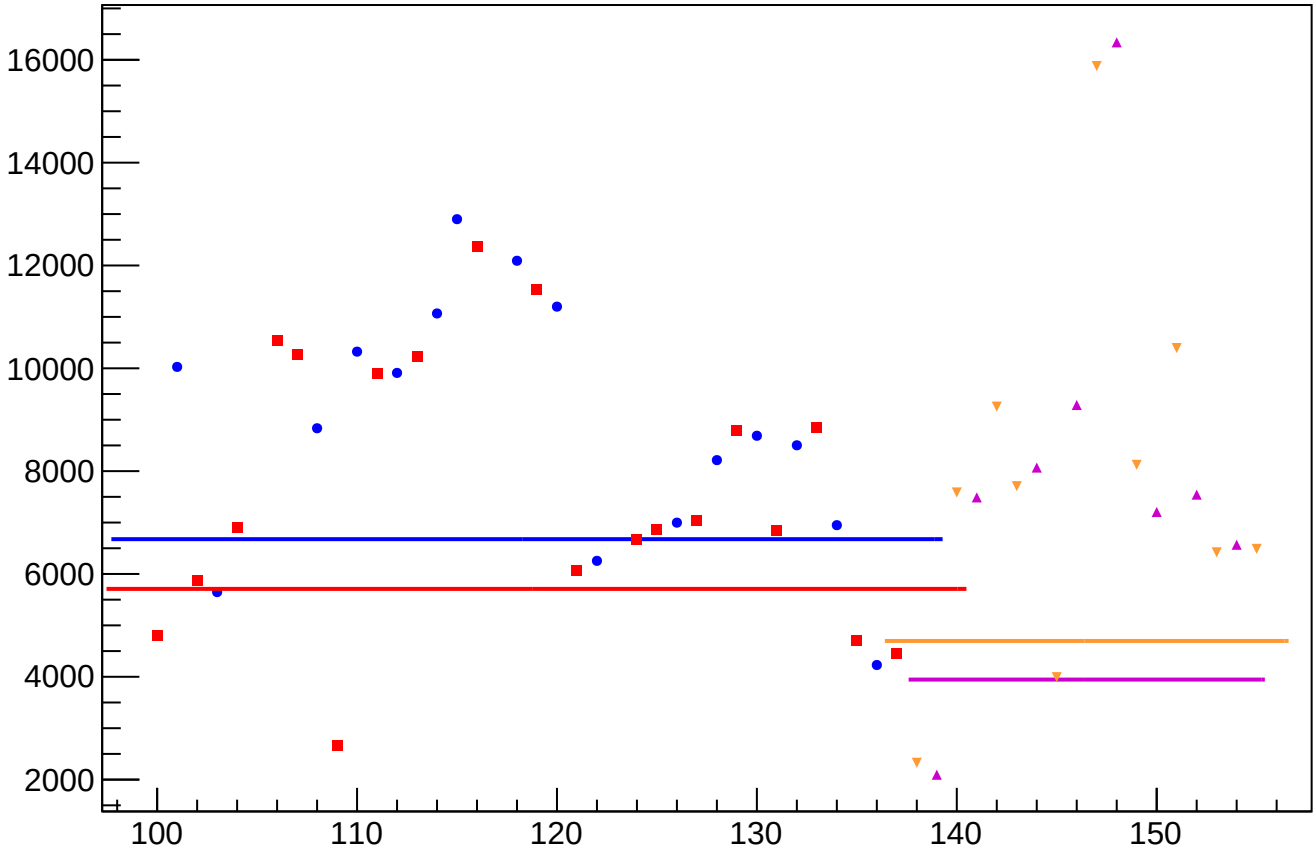
Left In: -2.322+/-1.874 χ^2/NDF:8.2/7

+ sign -2.237+/-1.612 χ^2/NDF: 16.7/25

All: -1.613+/-1.084 χ^2/NDF: 50.1/52

- sign -1.098+/-1.465 χ^2/NDF: 33.1/26

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4697.018+/-1.435 χ^2/NDF:3707680.0/9

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

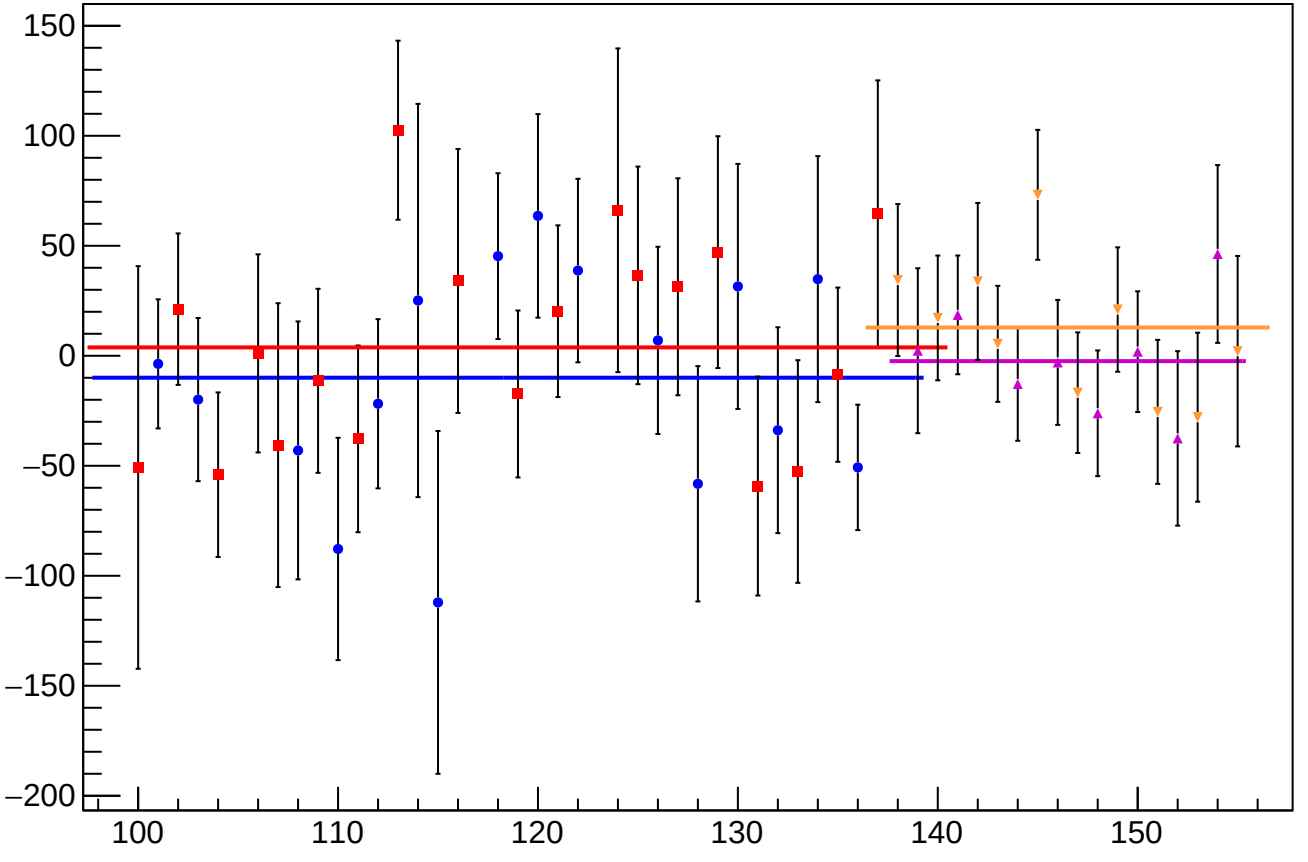
Left In: 3945.697+/-1.325 χ^2/NDF:4602414.1/7

+ sign 5427.862+/-1.140 χ^2/NDF: 5982751.4/25

All: 4991.264+/-0.767 χ^2/NDF: 13842431.3/5

- sign 4630.688+/-1.036 χ^2/NDF: 7591952.4/26

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 12.862+/-9.911 χ^2/NDF:8.8/9

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

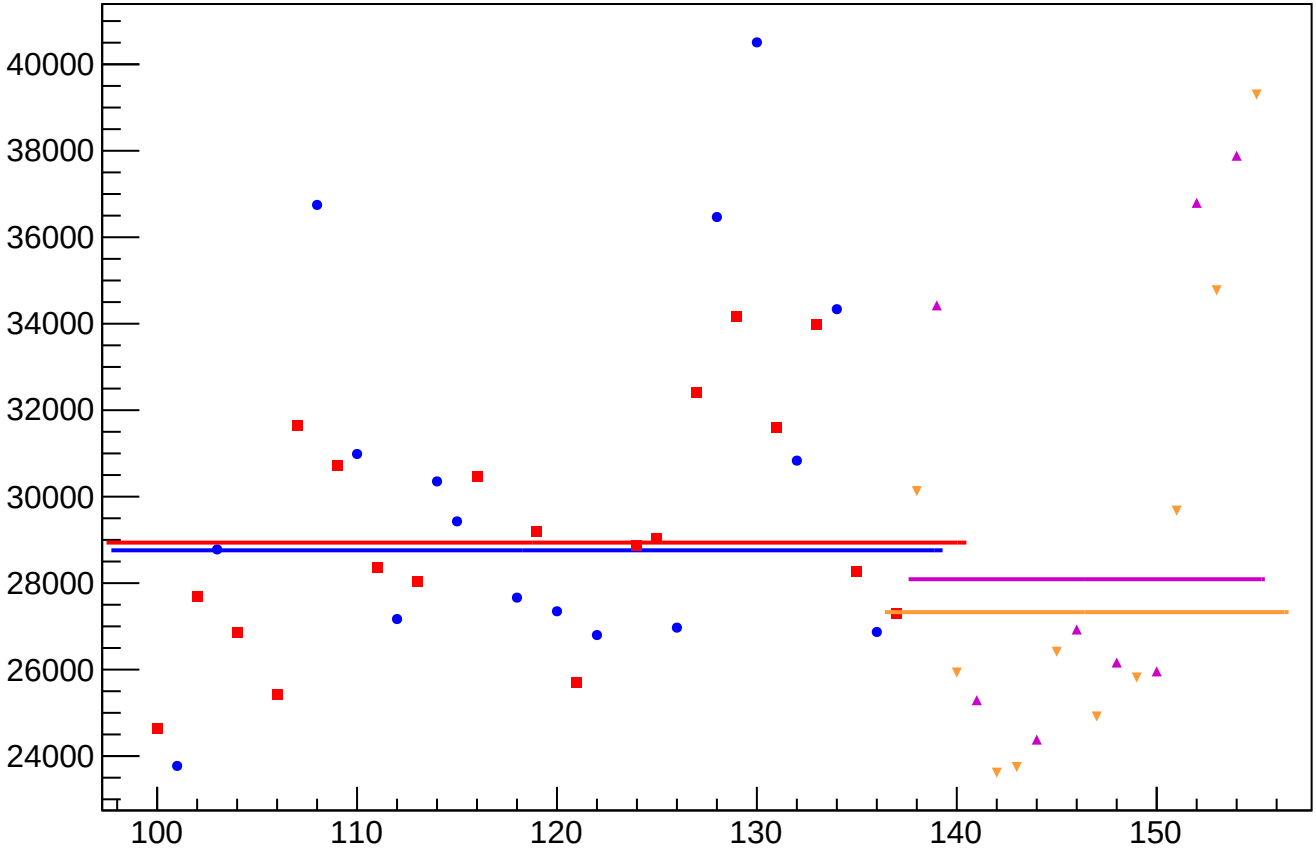
Left In: -2.422+/-10.766 χ^2/NDF:3.7/7

+ sign 2.463+/-7.313 χ^2/NDF: 26.5/25

All: 1.628+/-5.259 χ^2/NDF: 47.8/52

- sign 0.734+/-7.566 χ^2/NDF: 21.2/26

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27329.112+/-7.008 χ^2/NDF:338141.8/9

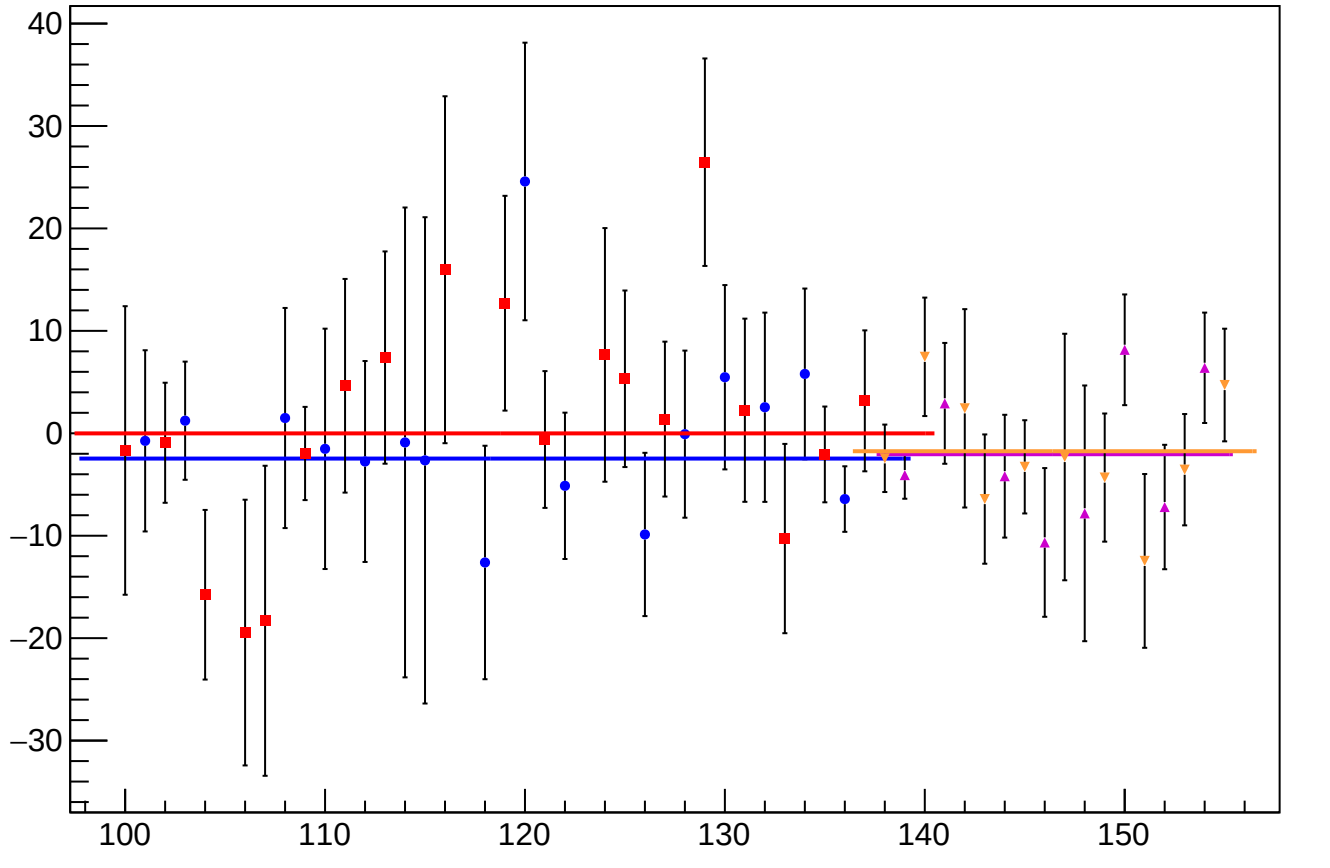
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28090.544+/-7.613 χ^2/NDF:358363.2/7

+ sign 27980.450+/-5.171 χ^2/NDF: 634745.9/25

All: 28240.678+/-3.718 χ^2/NDF: 1110883.7/5

- sign 28519.225+/-5.350 χ^2/NDF: 470895.1/26



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.751+/-1.769 χ^2/NDF:6.7/9

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

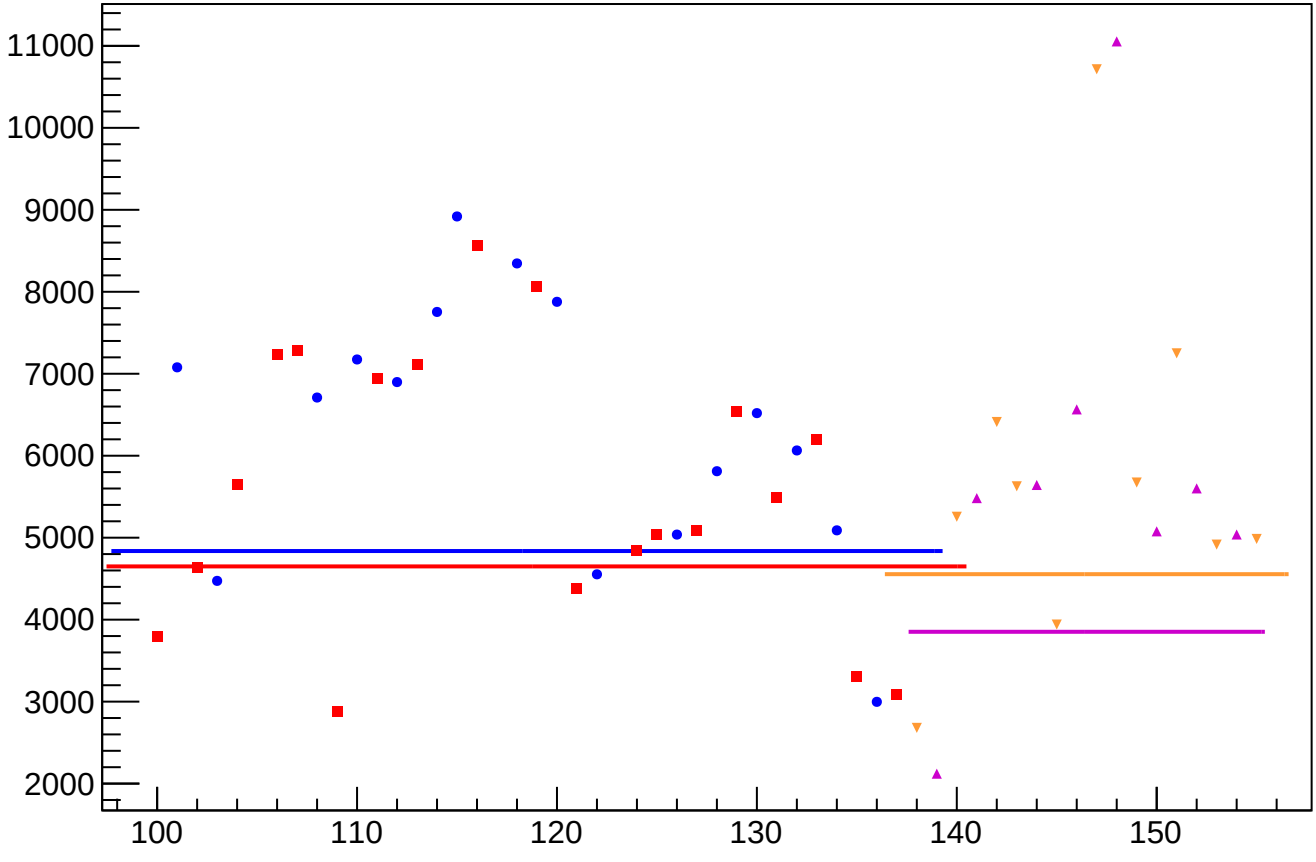
Left In: -2.042+/-1.654 χ^2/NDF:10.0/7

+ sign -2.081+/-1.300 χ^2/NDF: 16.8/25

All: -1.576+/-0.892 χ^2/NDF: 47.7/52

- sign -1.127+/-1.227 χ^2/NDF: 30.6/26

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4554.876+/-1.251 χ^2/NDF:1656463.1/9

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

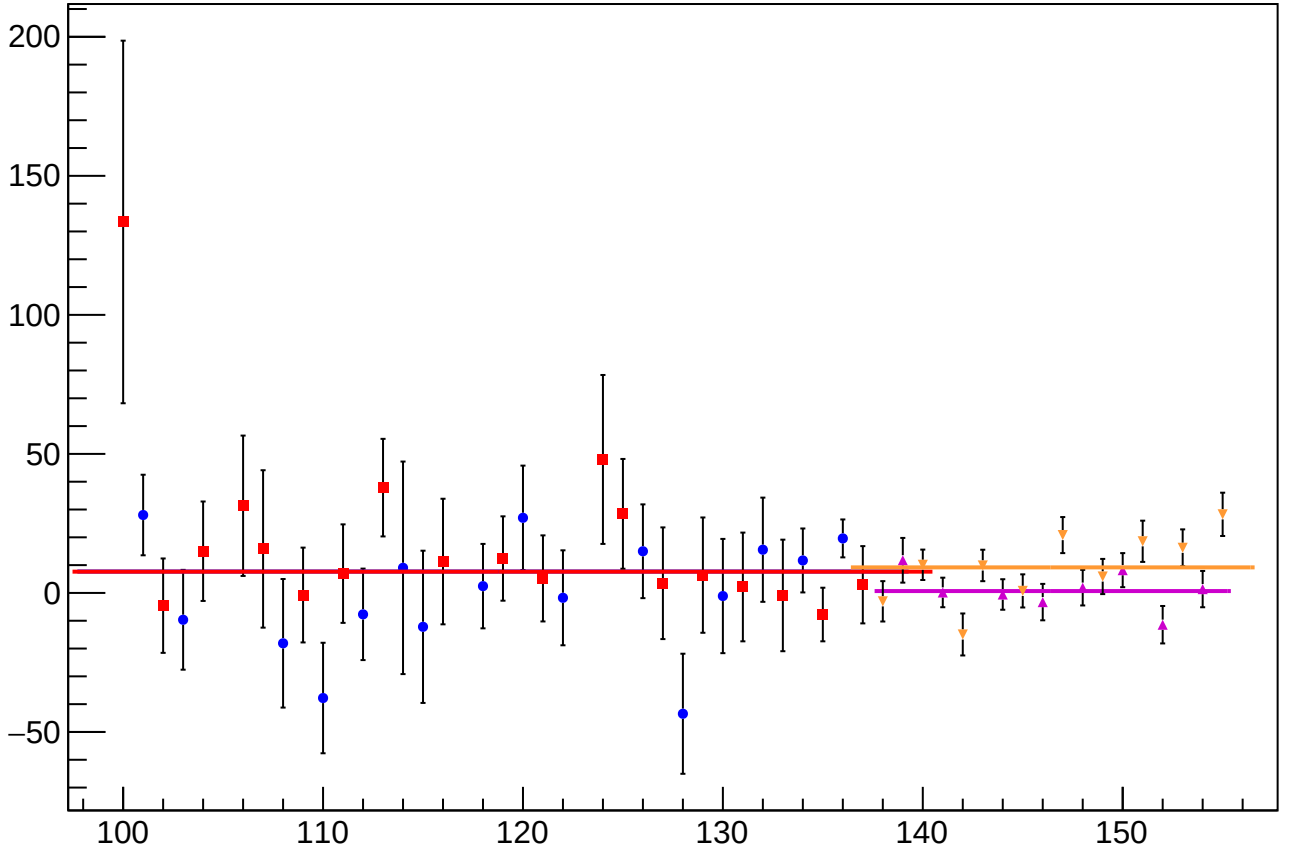
Left In: 3851.952+/-1.170 χ^2/NDF:2766617.8/7

+ sign 4684.817+/-0.919 χ^2/NDF: 3227671.3/25

All: 4434.286+/-0.631 χ^2/NDF: 7778683.5/52

- sign 4211.099+/-0.867 χ^2/NDF: 4410488.7/26

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 9.188+/-2.060 χ^2/NDF:27.3/9

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

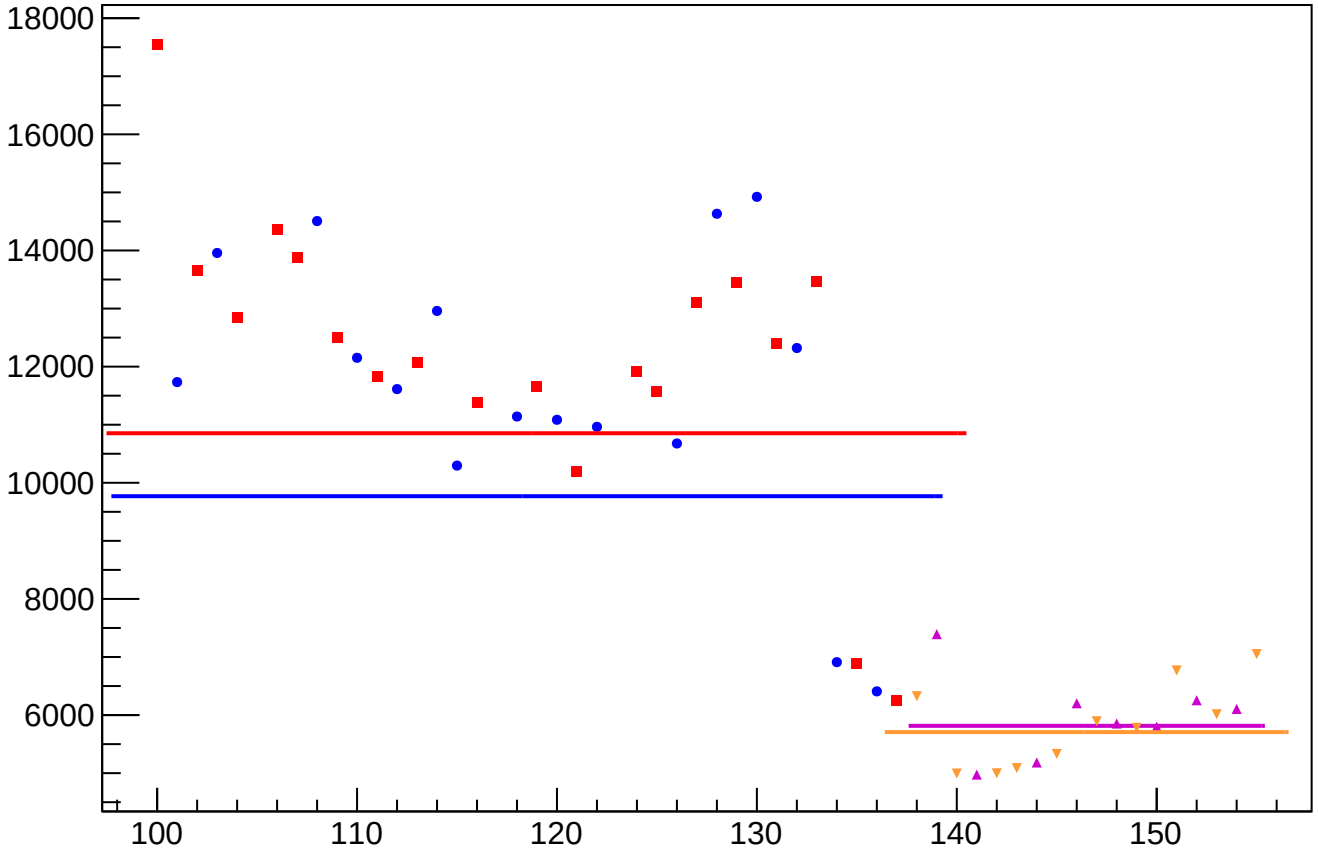
Left In: 0.672+/-2.214 χ^2/NDF:7.1/7

+ sign 8.853+/-1.813 χ^2/NDF: 49.0/25

All: 5.787+/-1.327 χ^2/NDF: 79.1/52

- sign 2.248+/-1.948 χ^2/NDF: 23.9/26

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5707.159+/-1.457 χ^2/NDF:204982.5/9

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

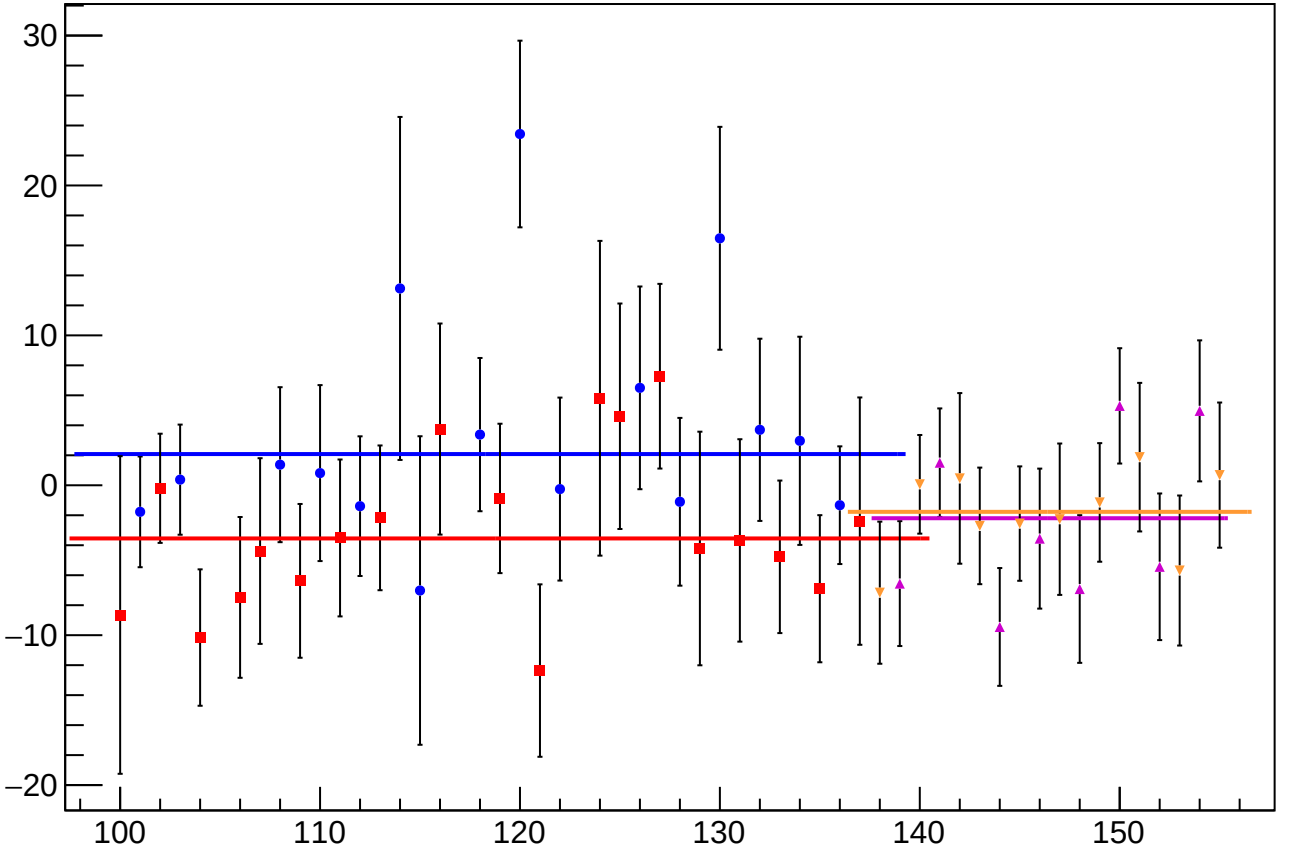
Left In: 5814.673+/-1.566 χ^2/NDF:173168.1/7

+ sign 6622.282+/-1.282 χ^2/NDF: 3170460.9/25

All: 6775.608+/-0.938 χ^2/NDF: 6587879.3/52

- sign 6952.620+/-1.378 χ^2/NDF: 3386604.1/26

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -1.772+/-1.375 χ^2/NDF:3.3/9

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

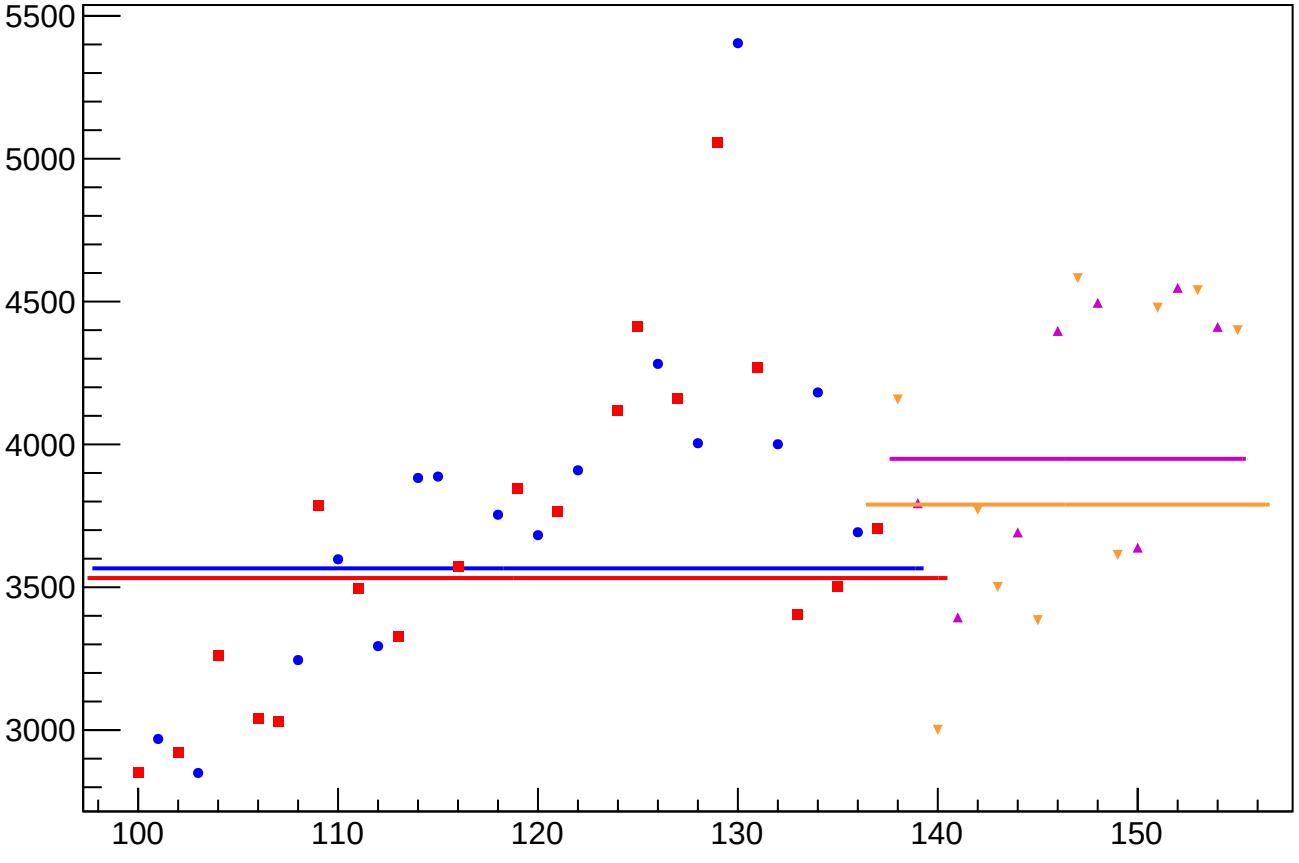
Left In: -2.199+/-1.507 χ^2/NDF:13.1/7

+ sign 0.197+/-0.962 χ^2/NDF: 28.3/25

All: -1.346+/-0.688 χ^2/NDF: 60.6/52

- sign -2.969+/-0.986 χ^2/NDF: 27.0/26

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3789.388+/-0.972 χ^2/NDF:328991.9/9

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

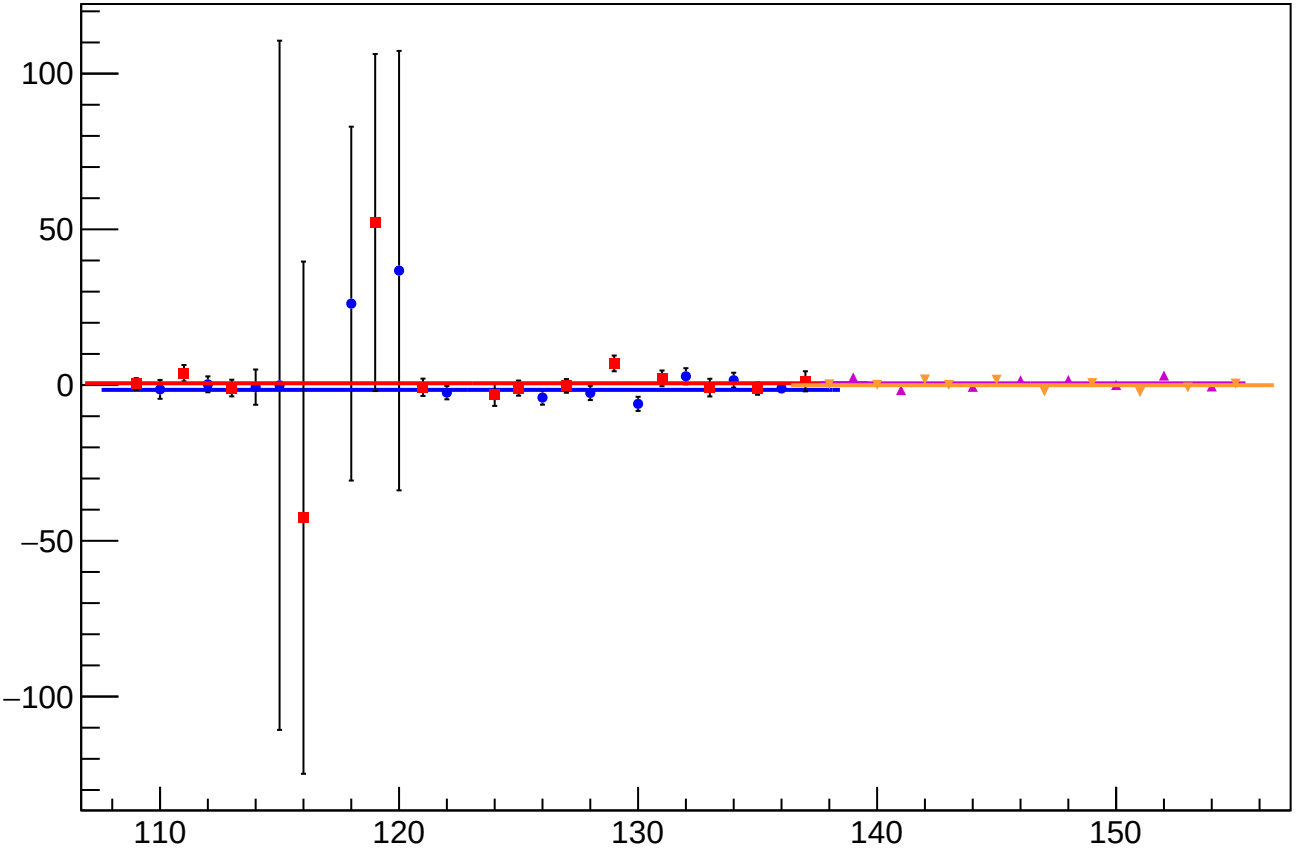
Left In: 3949.586+/-1.066 χ^2/NDF:163637.7/7

+ sign 3675.339+/-0.680 χ^2/NDF: 697033.3/25

All: 3692.689+/-0.487 χ^2/NDF: 1228429.5/52

- sign 3710.937+/-0.697 χ^2/NDF: 530060.3/26

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.044+/-0.360 χ^2/NDF:11.8/9

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

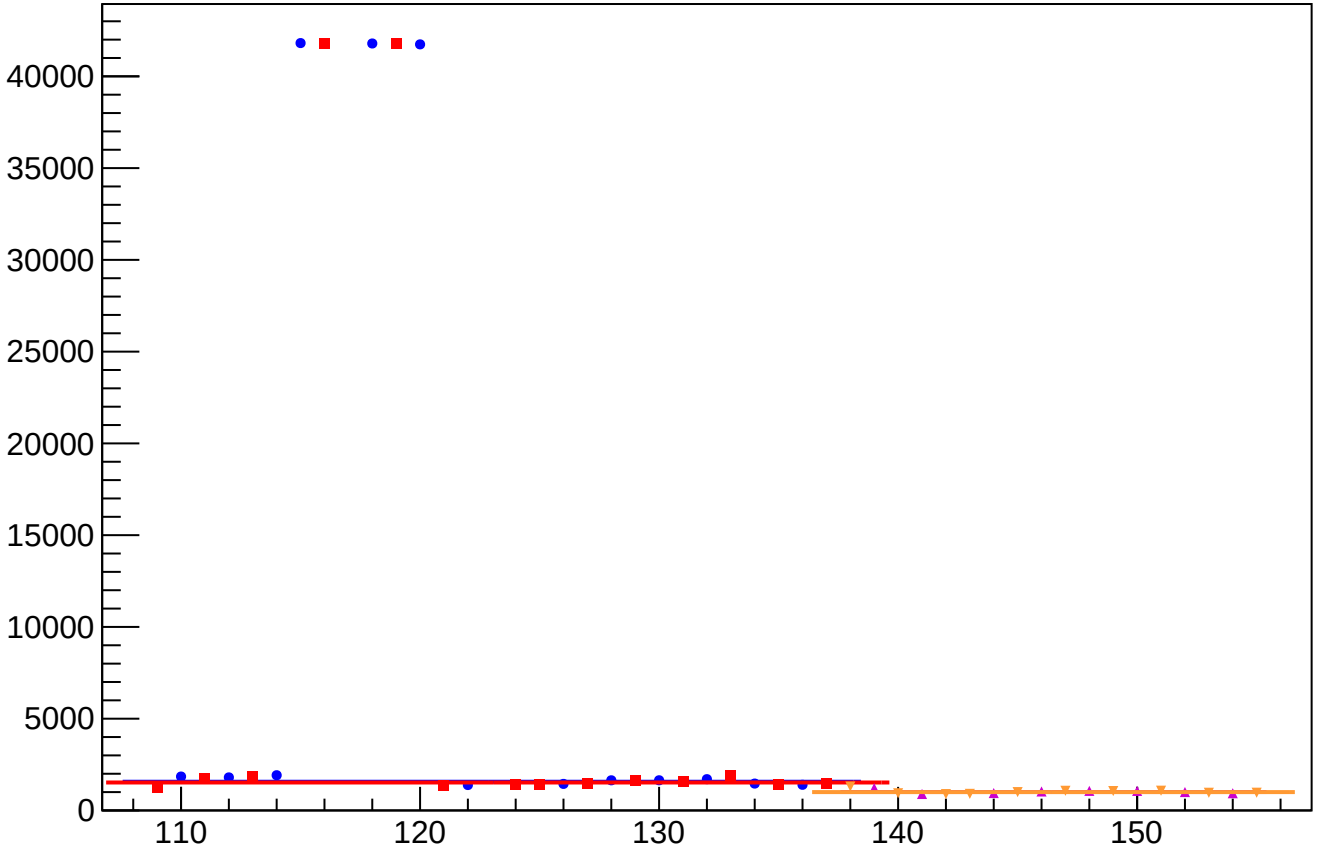
Left In: 0.559+/-0.382 χ^2/NDF:16.6/7

+ sign -0.334+/-0.323 χ^2/NDF: 26.3/22

All: 0.096+/-0.233 χ^2/NDF: 59.3/44

- sign 0.565+/-0.337 χ^2/NDF: 29.3/21

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1000.573+/-0.254 χ^2/NDF:146602.8/9

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

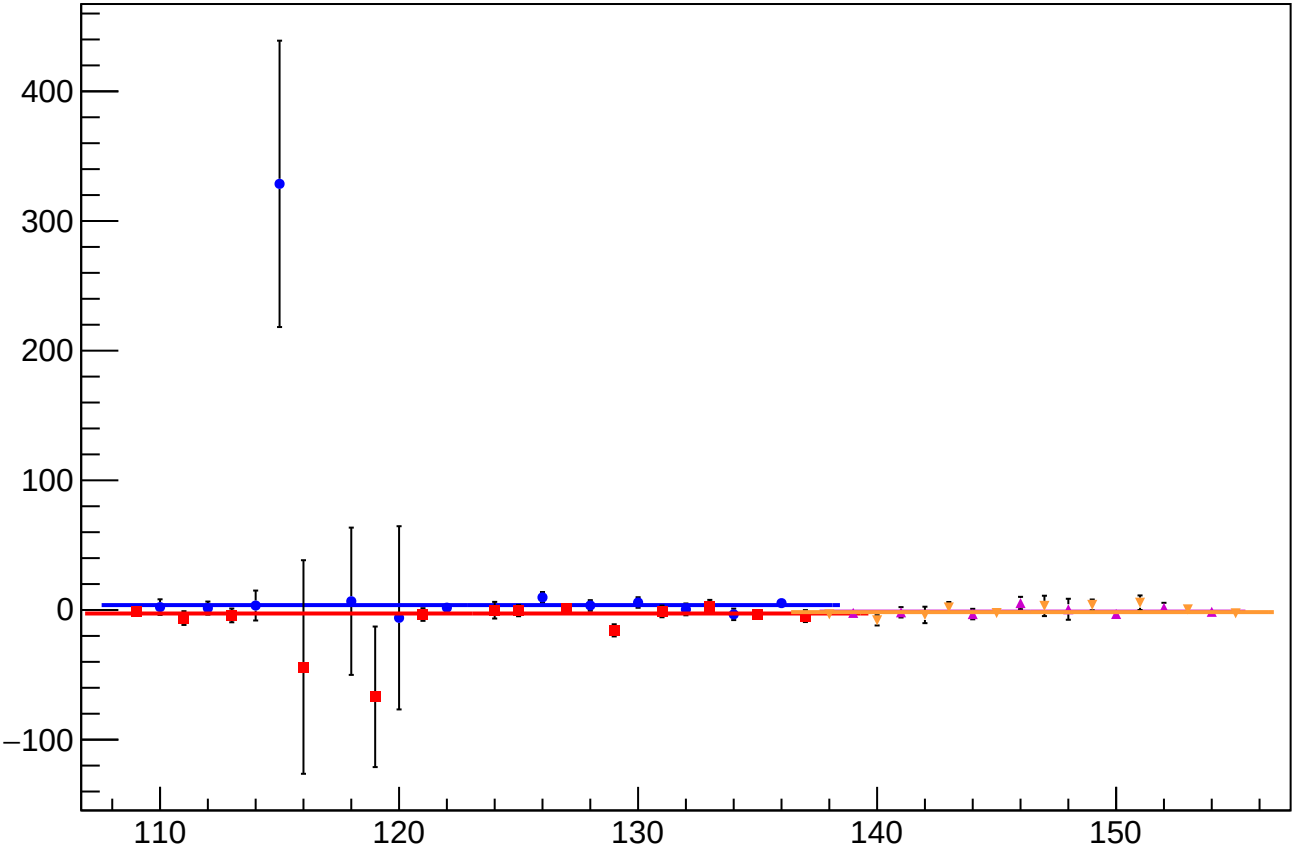
Left In: 1004.934+/-0.270 χ^2/NDF:103927.9/7

+ sign 1110.082+/-0.228 χ^2/NDF: 3117503.0/22

All: 1114.615+/-0.165 χ^2/NDF: 5777258.8/44

- sign 1119.555+/-0.238 χ^2/NDF: 2658932.1/21

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.641+/-1.178 χ^2/NDF:8.3/9

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

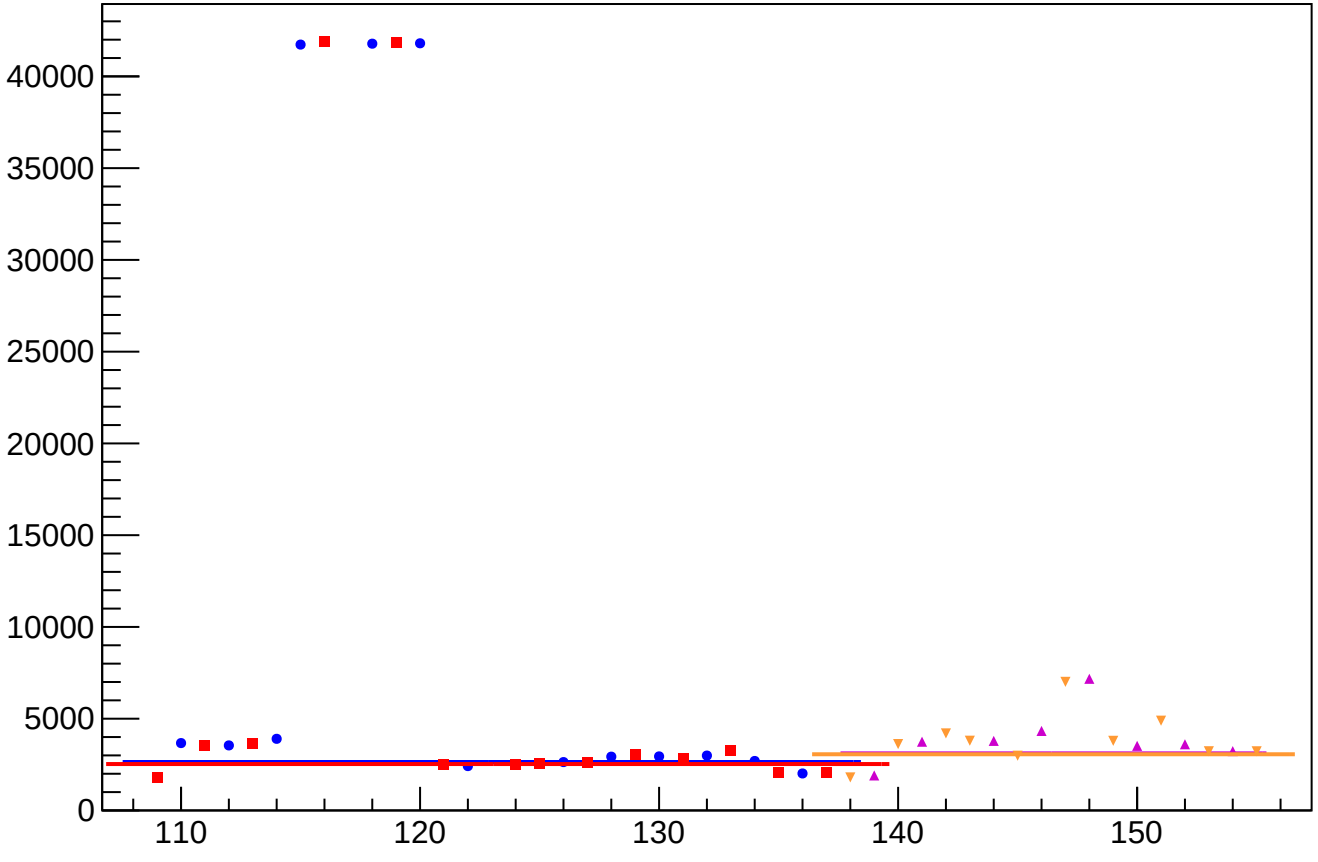
Left In: -1.258+/-1.263 χ^2/NDF:3.2/7

+ sign 0.912+/-0.857 χ^2/NDF: 33.4/22

All: -0.522+/-0.612 χ^2/NDF: 56.6/44

- sign -2.014+/-0.874 χ^2/NDF: 17.5/21

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3062.016+/-0.833 χ^2/NDF:1674483.1/9

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

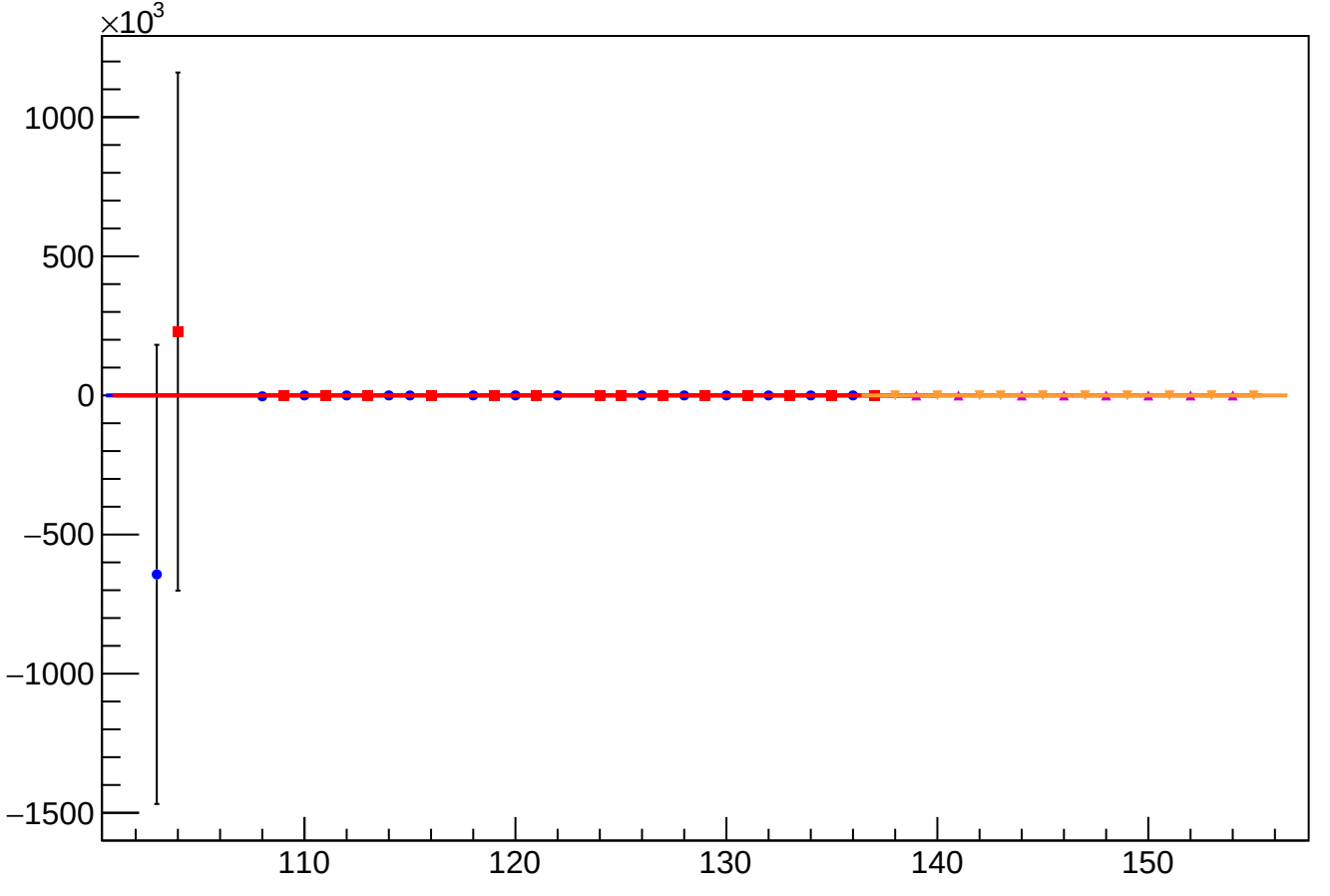
Left In: 3110.592+/-0.893 χ^2/NDF:1447963.0/7

+ sign 2863.142+/-0.606 χ^2/NDF: 3968784.7/22

All: 2835.930+/-0.433 χ^2/NDF: 7591787.2/44

- sign 2807.620+/-0.618 χ^2/NDF: 3618887.3/21

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.040+/-0.567 χ^2/NDF:23.1/9

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

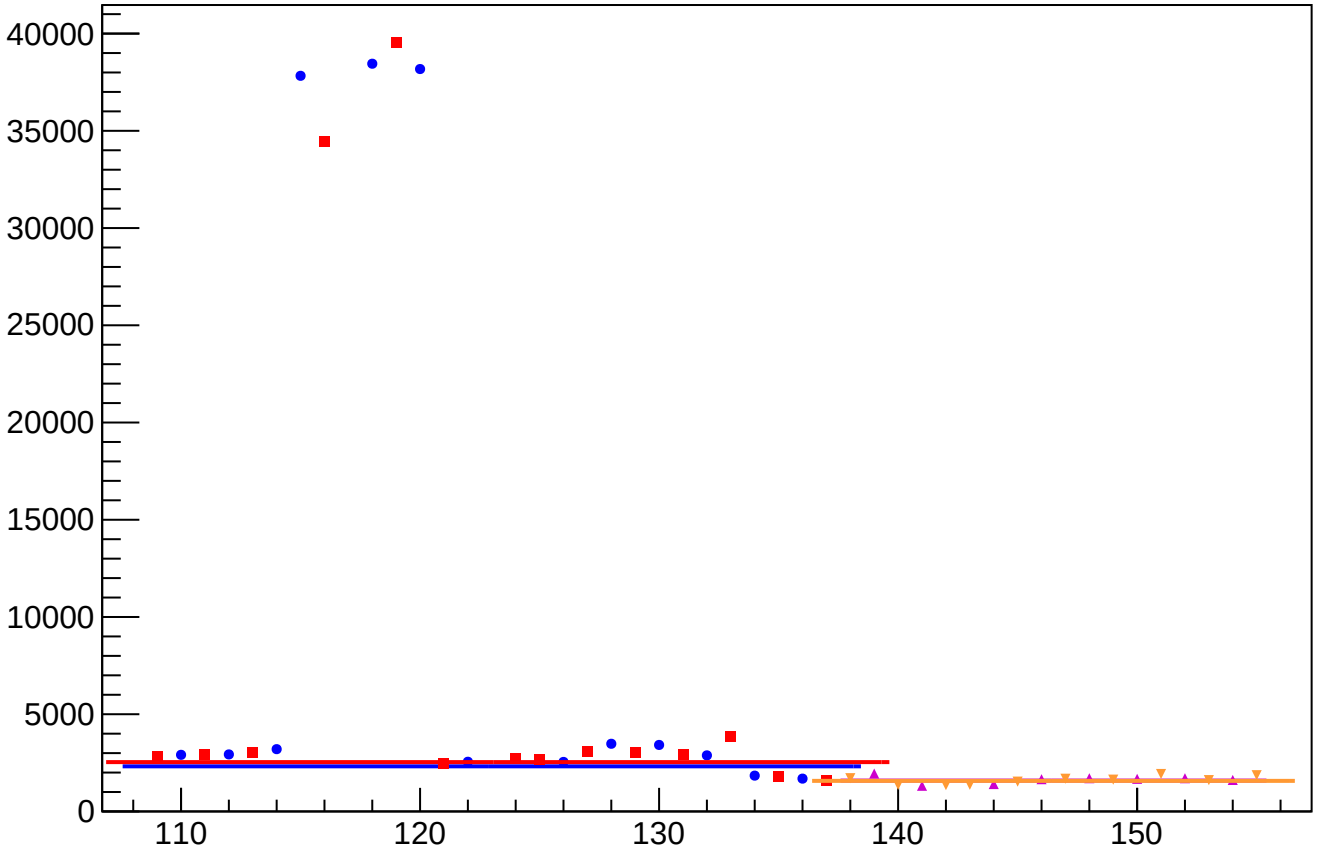
Left In: -0.076+/-0.605 χ^2/NDF:10.6/7

+ sign -1.873+/-0.507 χ^2/NDF: 42.3/24

All: -1.276+/-0.370 χ^2/NDF: 74.0/47

- sign -0.595+/-0.542 χ^2/NDF: 28.7/22

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1572.839+/-0.401 χ^2/NDF:216225.7/9

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

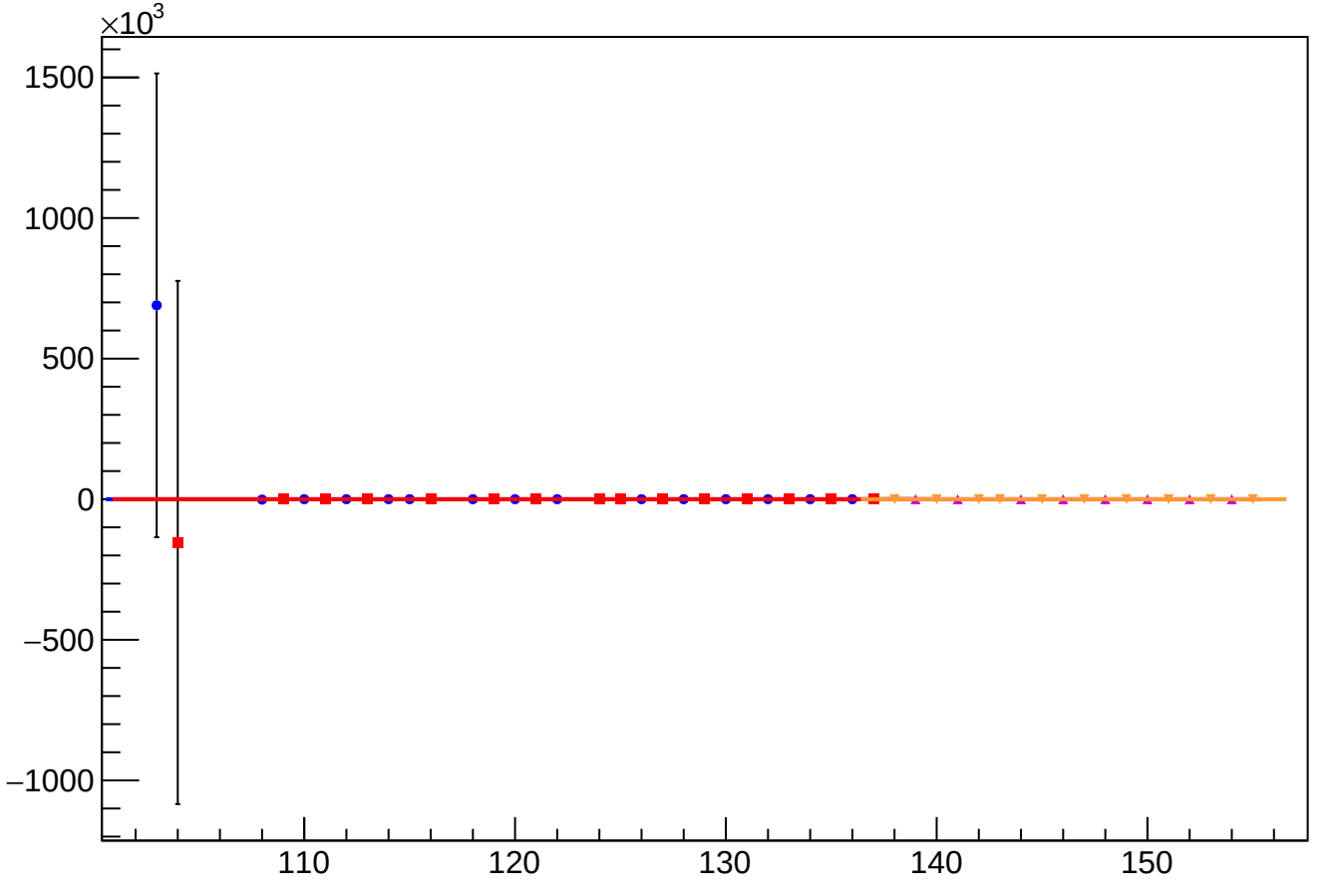
Left In: 1588.249+/-0.428 χ^2/NDF:183924.5/7

\+ sign 1724.318+/-0.358 χ^2/NDF: 3381596.1/22

All: 1749.398+/-0.262 χ^2/NDF: 6597371.1/44

\- sign 1778.068+/-0.383 χ^2/NDF: 3205266.4/21

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.542+/-0.782 χ^2/NDF:10.6/9

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

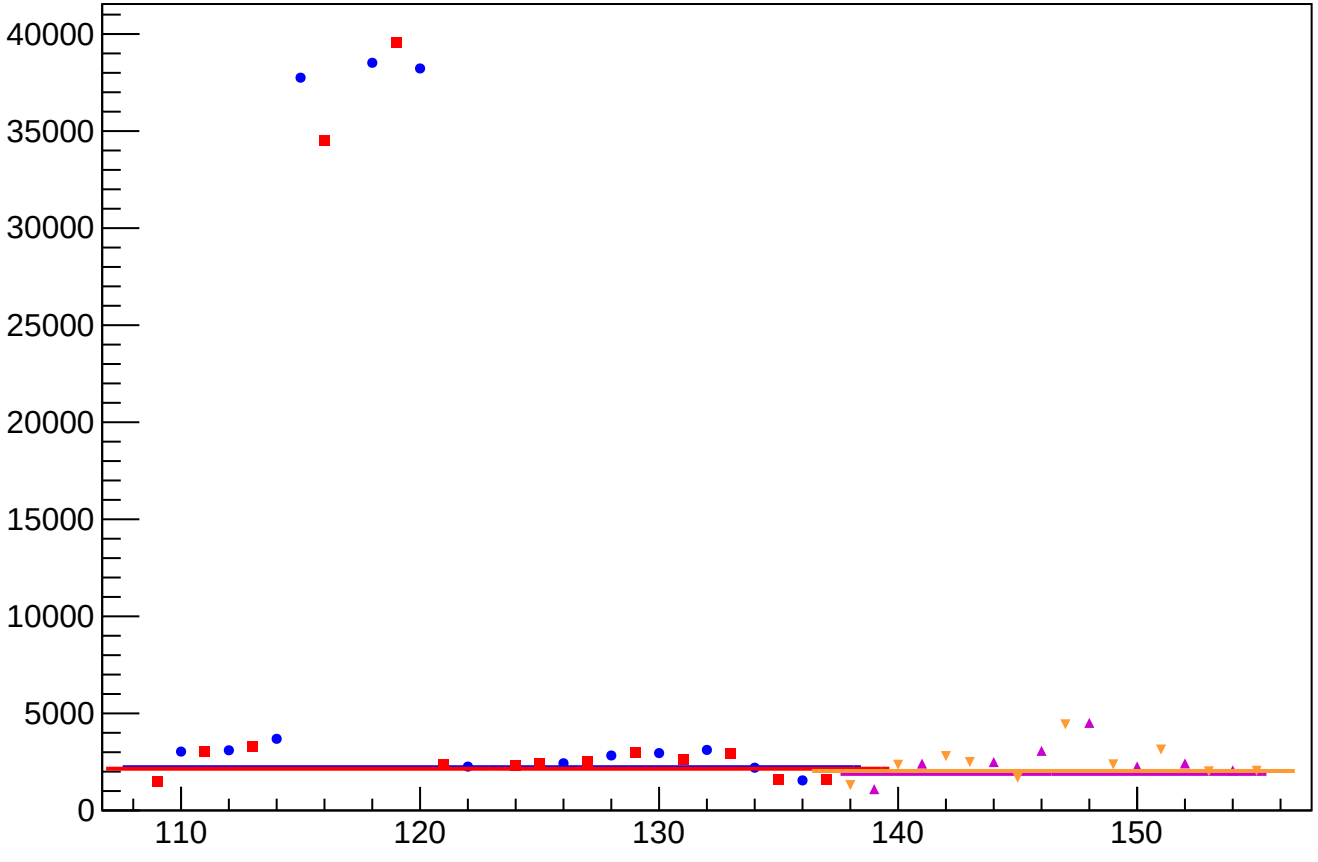
Left In: 0.185+/-0.782 χ^2/NDF:3.6/7

+ sign 0.234+/-0.632 χ^2/NDF: 18.5/24

All: -0.163+/-0.445 χ^2/NDF: 40.7/47

- sign -0.555+/-0.628 χ^2/NDF: 21.4/22

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2034.077+/-0.553 χ^2/NDF:1308239.6/9

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

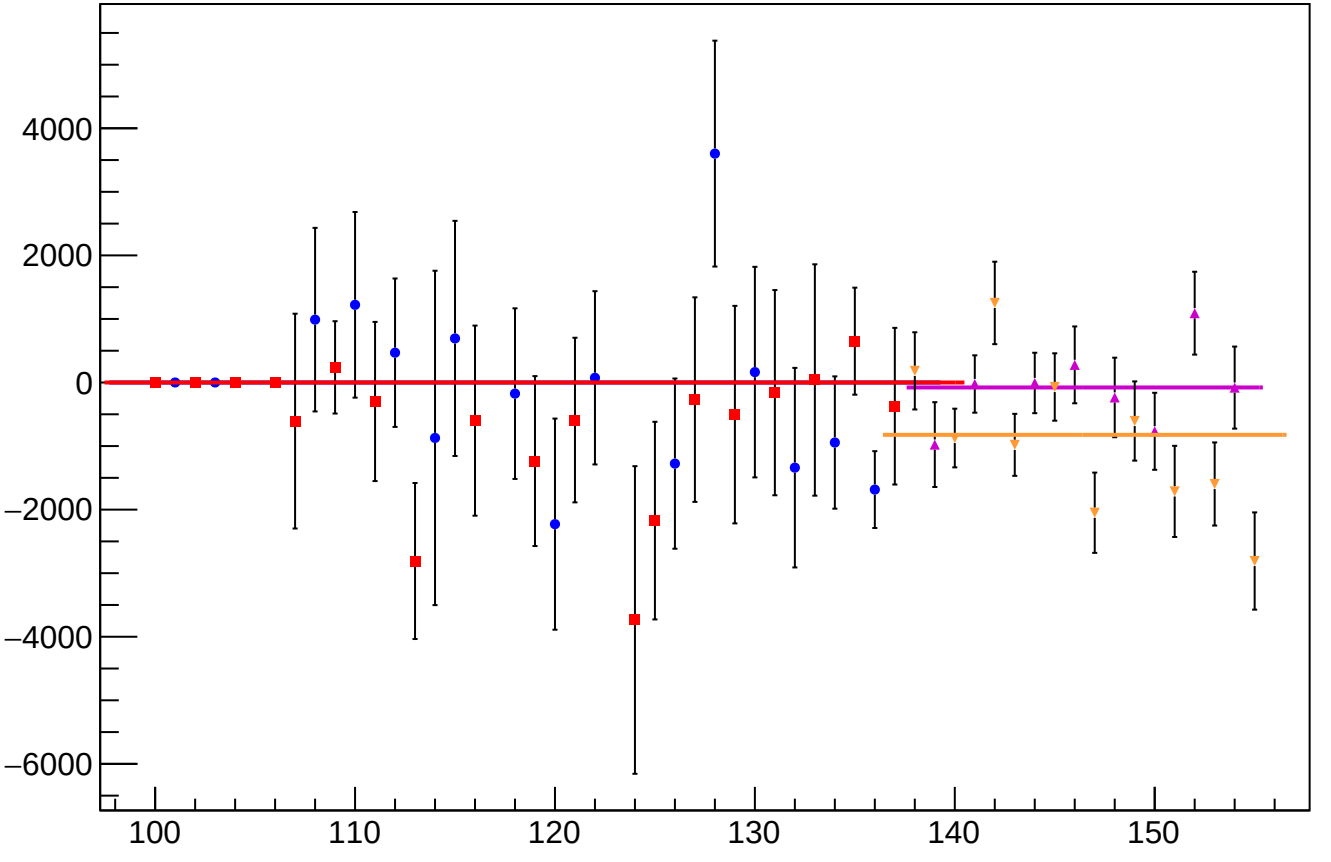
Left In: 1884.802+/-0.553 χ^2/NDF:1982749.9/7

+ sign 2100.652+/-0.447 χ^2/NDF: 3872572.7/22

All: 2039.649+/-0.315 χ^2/NDF: 8205979.3/44

- sign 1979.556+/-0.444 χ^2/NDF: 4296464.1/21

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -823.410+/-186.939 χ^2/NDF:28.7/9

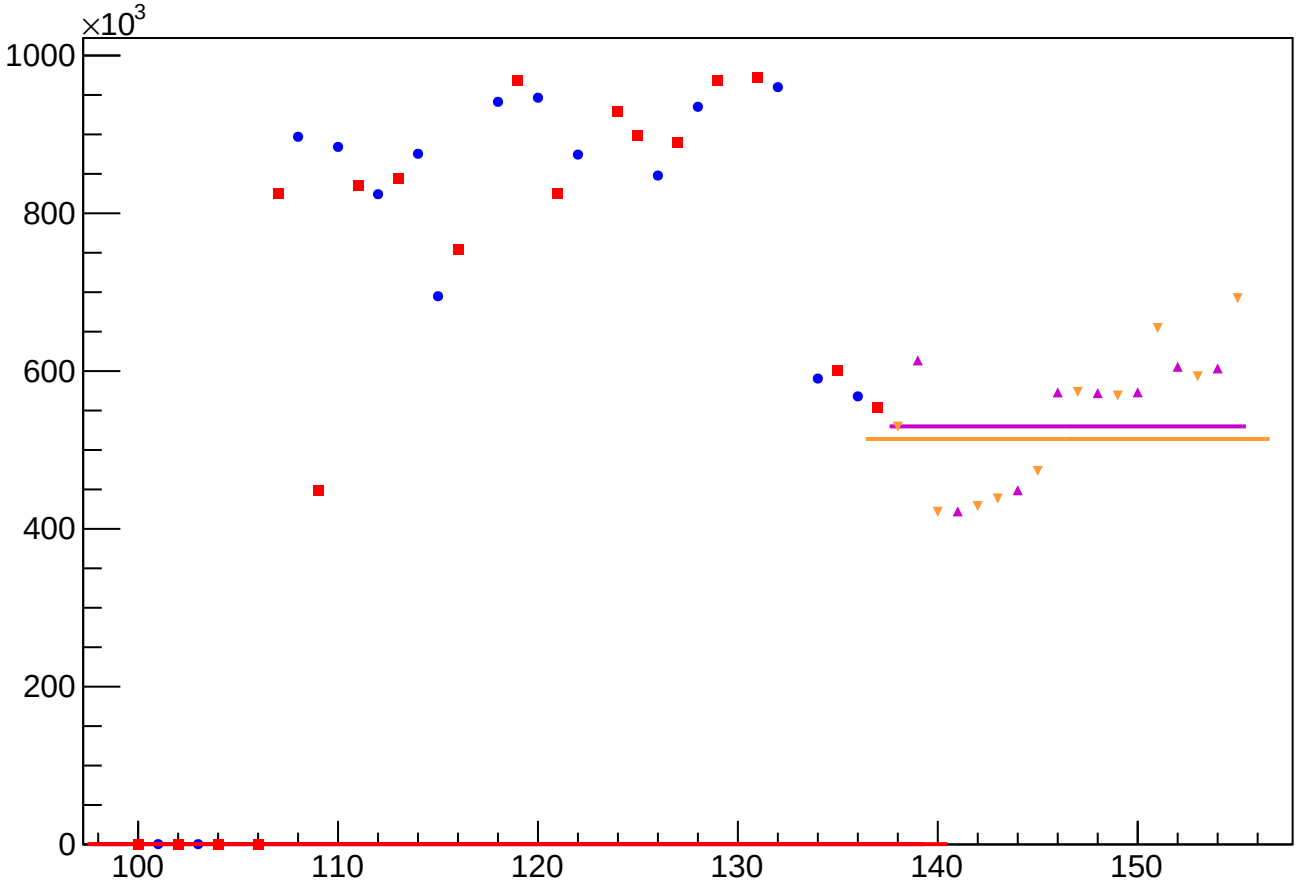
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -78.017+/-202.649 χ^2/NDF:6.8/7

+ sign 0.252+/-0.356 χ^2/NDF: 65.8/25

All: 0.168+/-0.241 χ^2/NDF: 88.3/52

- sign 0.096+/-0.328 χ^2/NDF: 22.3/26



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 513999.617+/-132.185 χ^2/NDF:424040.8/9

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

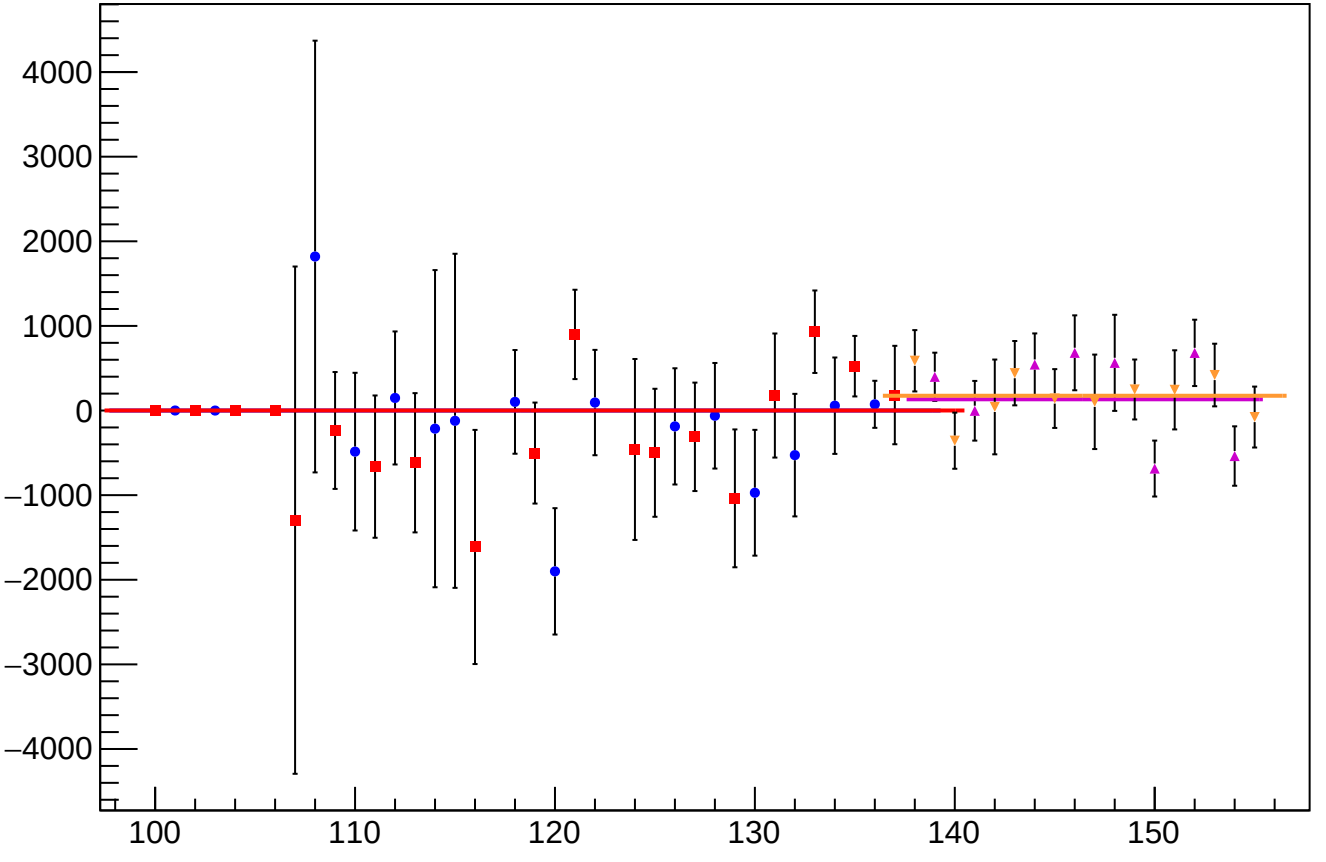
Left In: 529898.236+/-143.294 χ^2/NDF:285555.0/7

+ sign 400.740+/-0.251 χ^2/NDF: 24012575.1/24

All: 397.434+/-0.170 χ^2/NDF: 45601717.9/50

- sign 394.625+/-0.232 χ^2/NDF: 21588823.1/25

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 174.604+/-123.218 χ^2/NDF:5.4/9

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

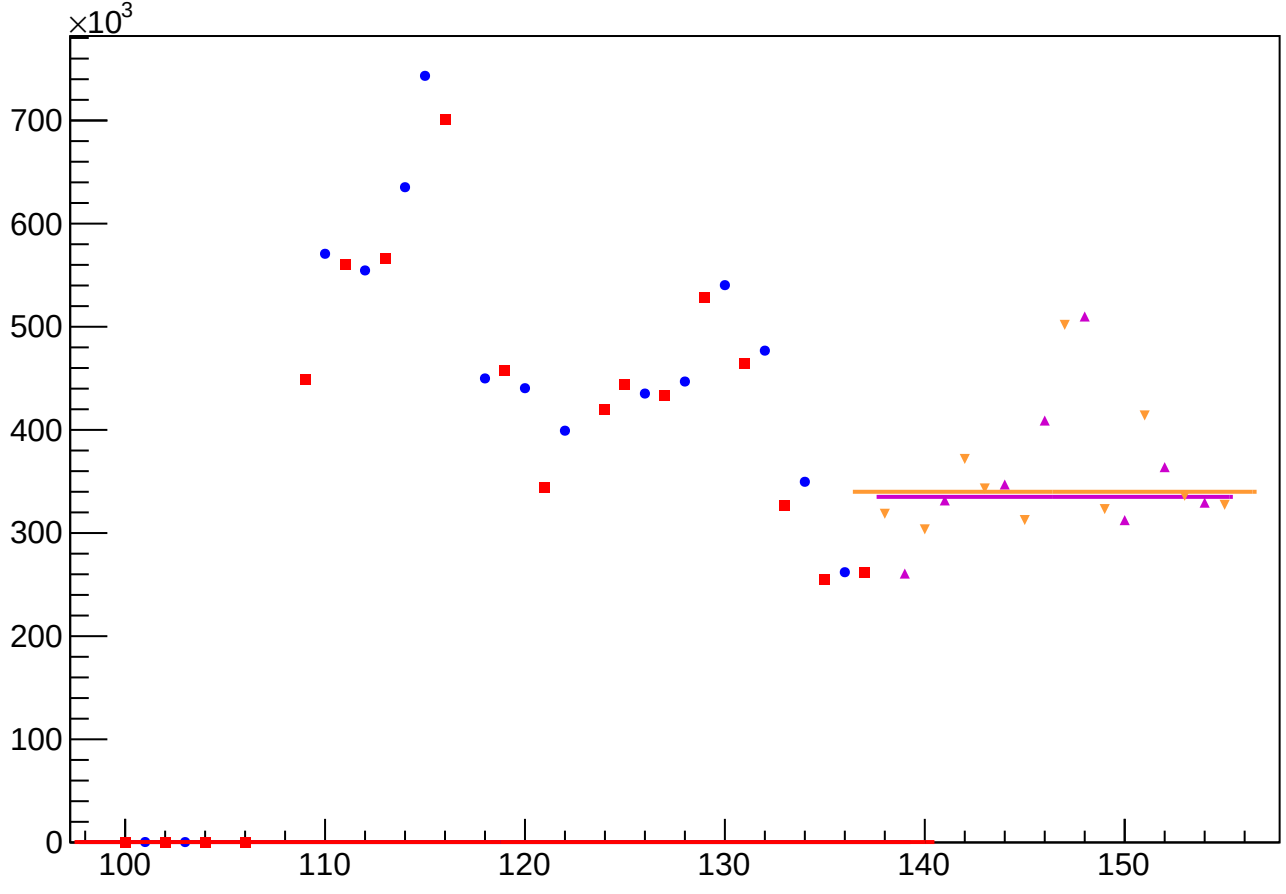
Left In: 132.777+/-129.389 χ^2/NDF:16.1/7

\+ sign -0.019+/-0.347 χ^2/NDF: 17.9/25

All: 0.312+/-0.237 χ^2/NDF: 51.8/52

\- sign 0.600+/-0.324 χ^2/NDF: 32.2/26

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 340002.167+/-87.129 χ^2/NDF:275494.5/9

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

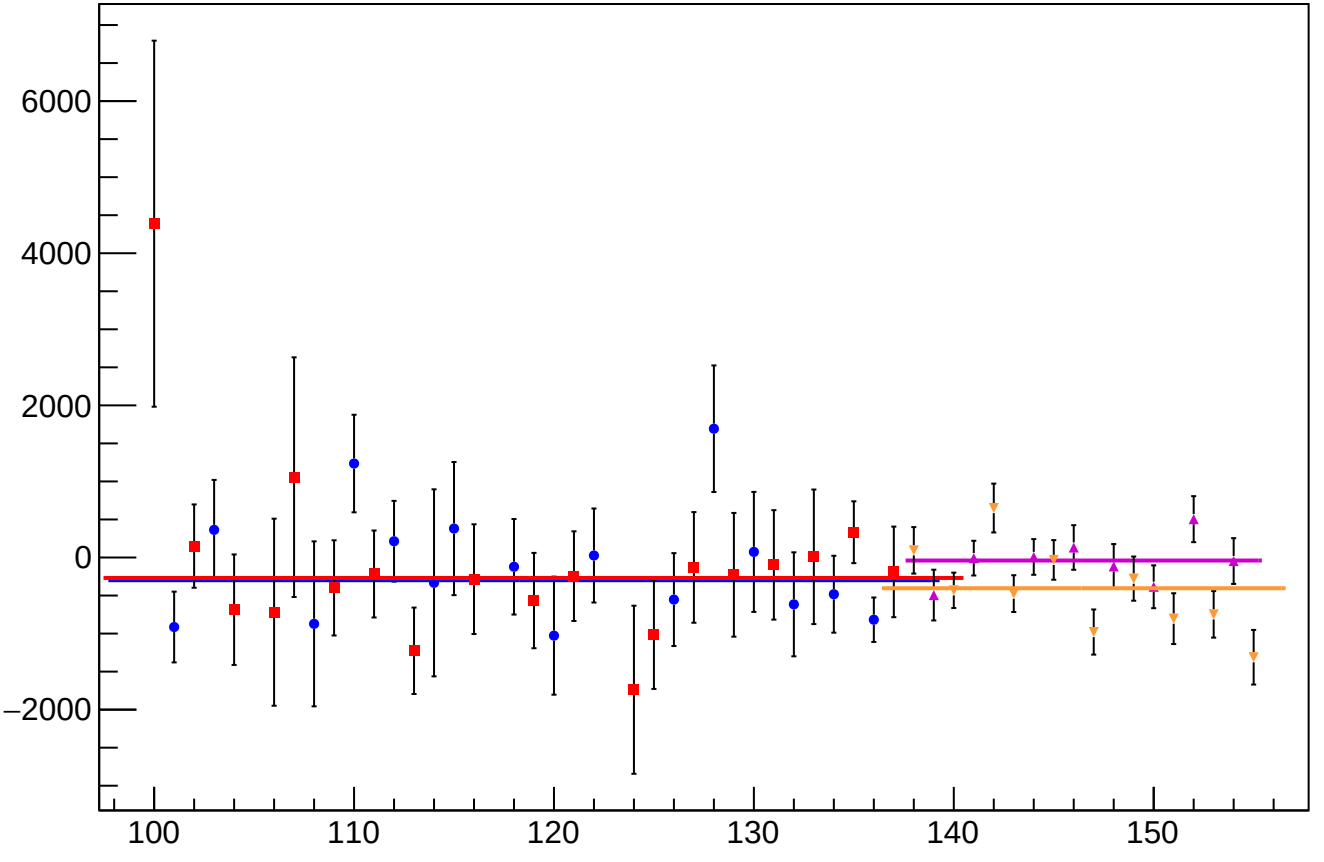
Left In: 335070.062+/-91.504 χ^2/NDF:404512.8/7

+ sign 392.971+/-0.245 χ^2/NDF: 26600655.3/24

All: 391.425+/-0.167 χ^2/NDF: 51457392.2/50

- sign 390.080+/-0.229 χ^2/NDF: 24856662.7/25

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -403.954+/-90.781 χ^2/NDF:28.6/9

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

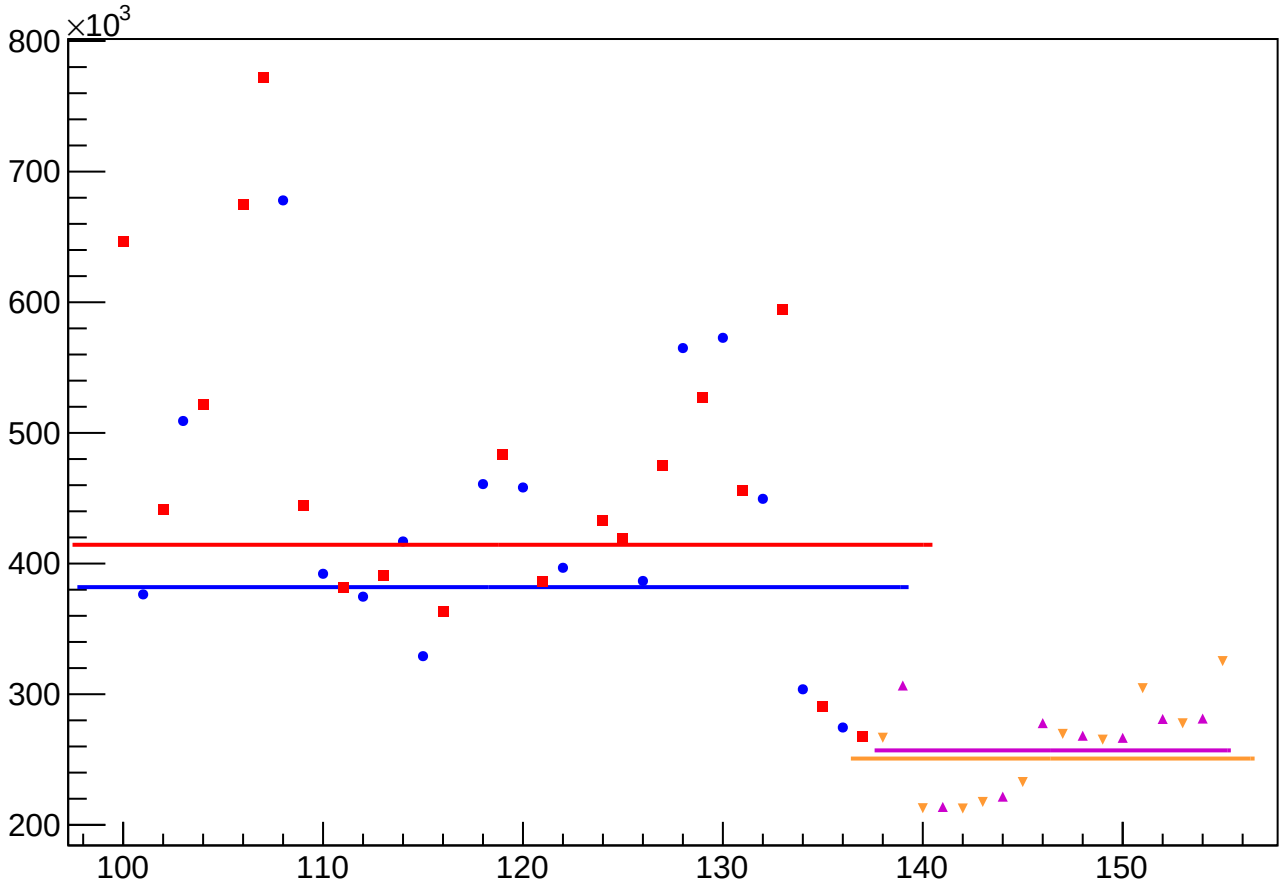
Left In: -39.661+/-97.957 χ^2/NDF:7.1/7

+ sign -374.879+/-77.293 χ^2/NDF: 50.2/25

All: -249.210+/-56.578 χ^2/NDF: 78.3/52

- sign -104.140+/-83.045 χ^2/NDF: 22.5/26

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 250759.824+/-64.192 χ^2/NDF:301151.2/9

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

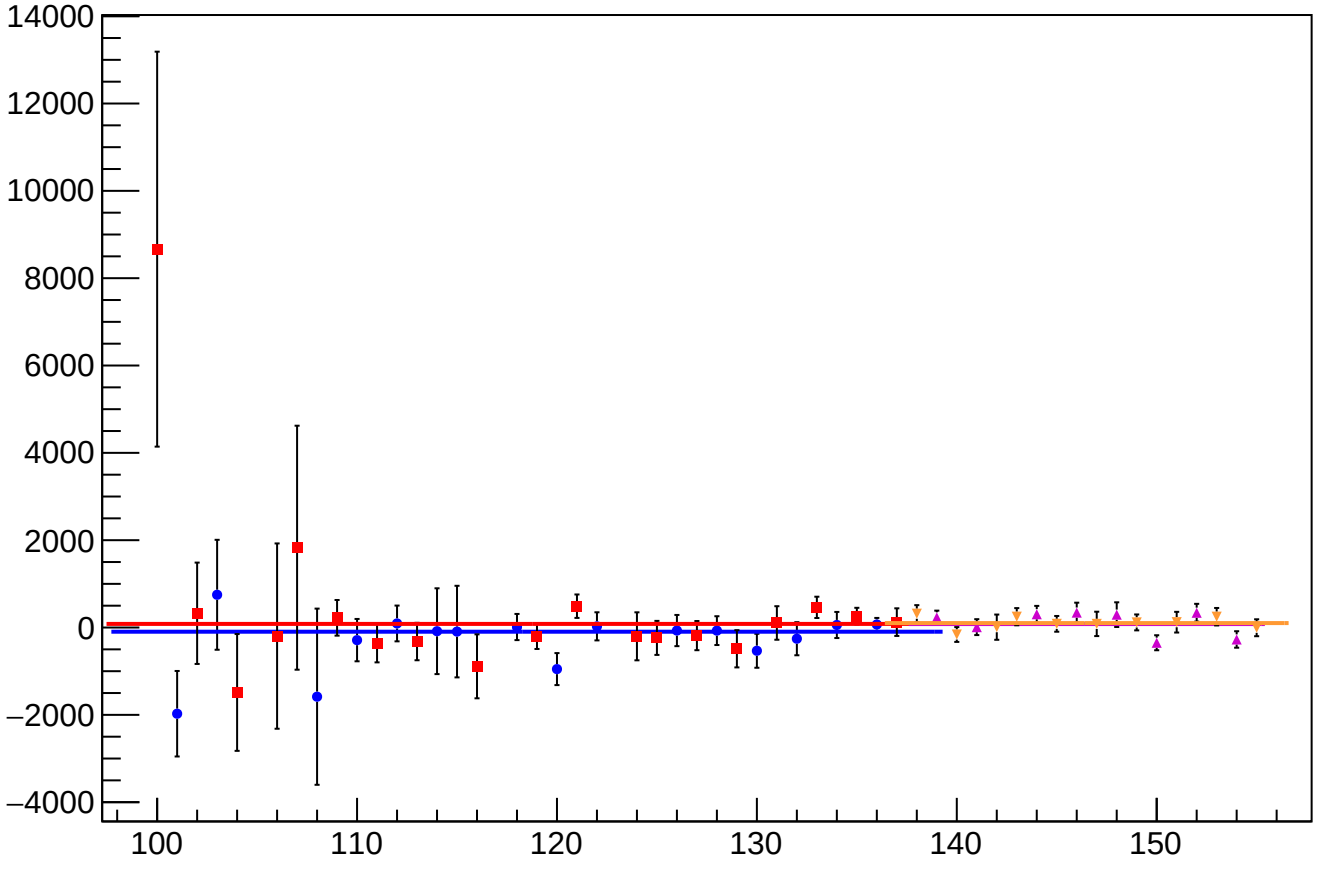
Left In: 257010.644+/-69.266 χ^2/NDF:203009.0/7

+ sign 286842.278+/-54.657 χ^2/NDF: 2286464.2/25

All: 293533.999+/-40.009 χ^2/NDF: 4733210.

- sign 301259.169+/-58.726 χ^2/NDF: 2414452.5/26

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 101.793+/-64.306 χ^2/NDF:5.1/9

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

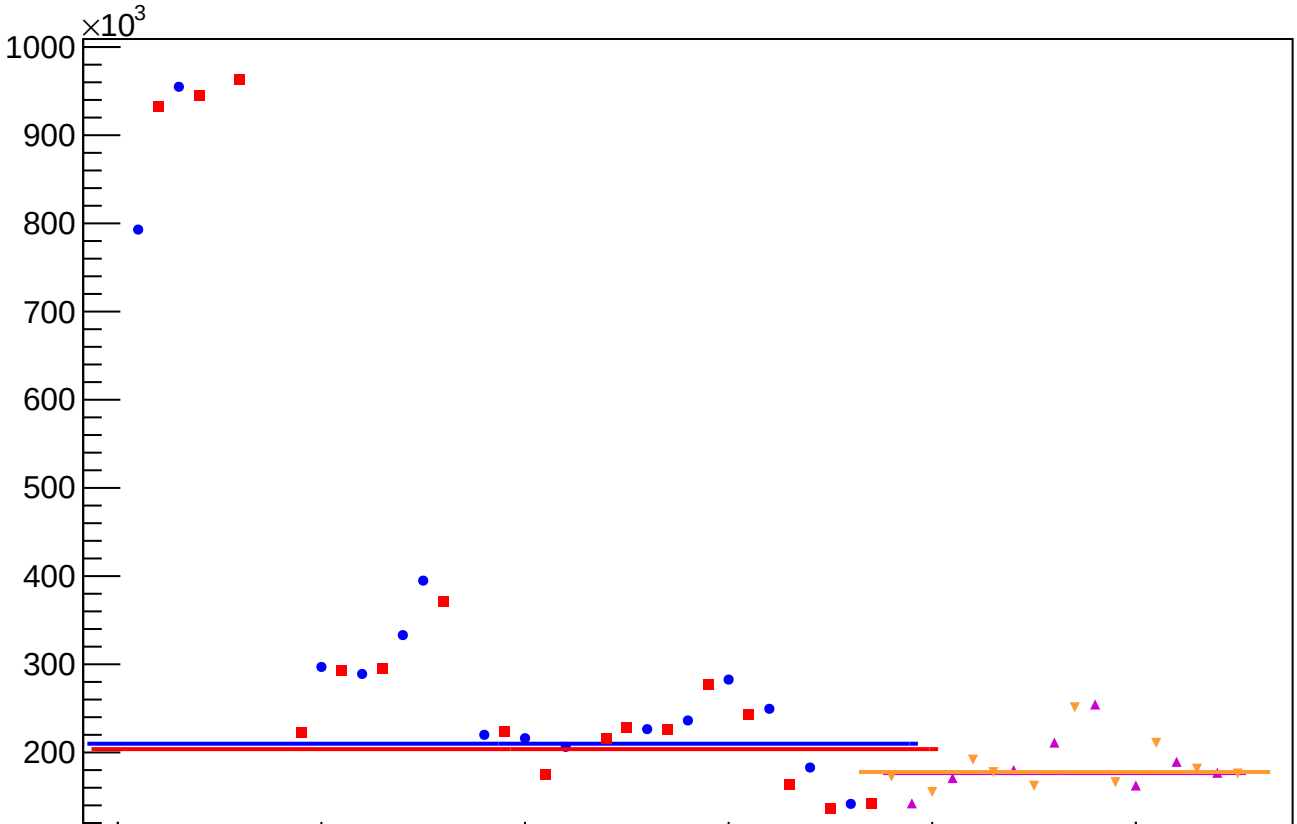
Left In: 79.183+/-67.894 χ^2/NDF:15.7/7

+ sign 33.263+/-51.975 χ^2/NDF: 22.1/25

All: 56.169+/-37.312 χ^2/NDF: 57.3/52

- sign 80.527+/-53.598 χ^2/NDF: 34.8/26

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177803.832+/-45.471 χ^2/NDF:242488.3/9

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

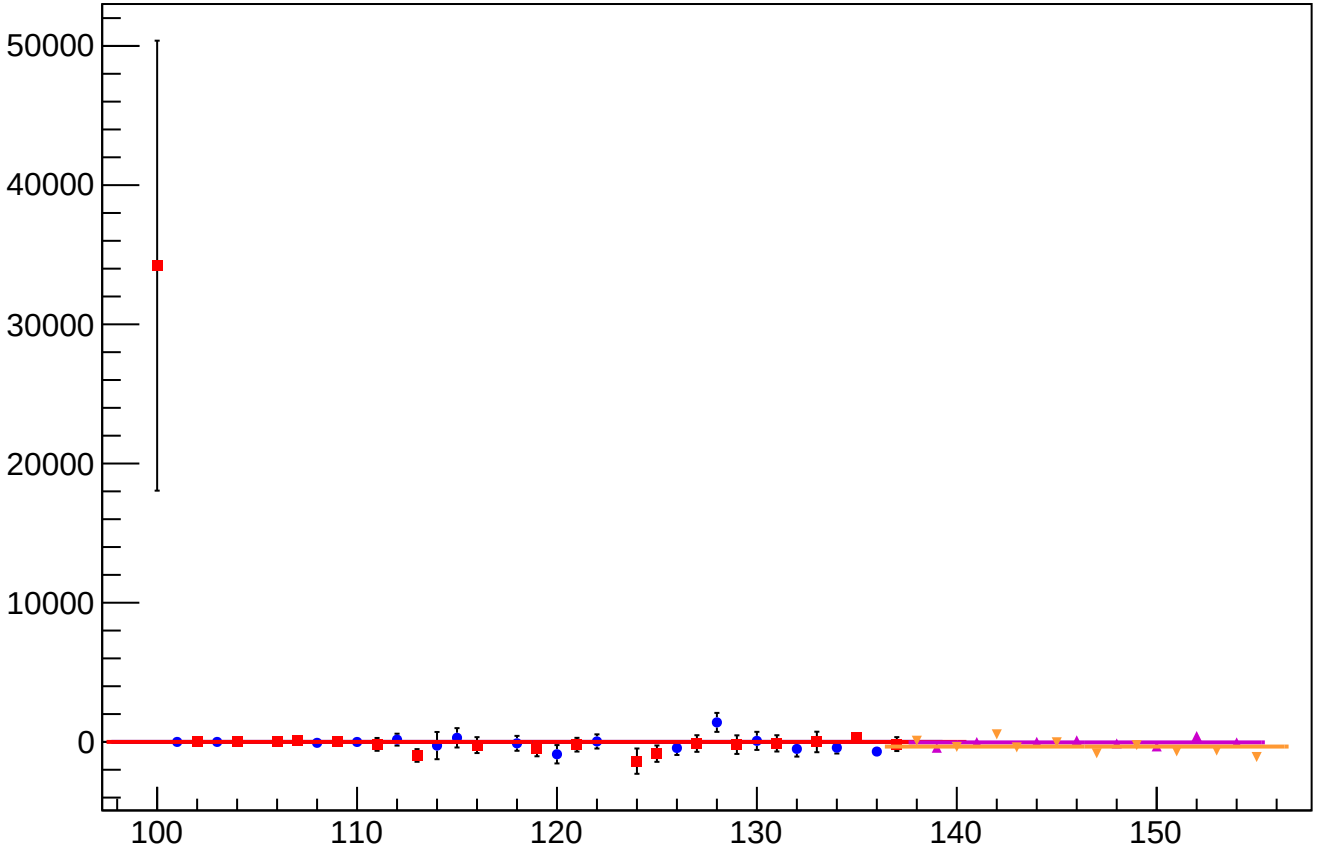
Left In: 176611.338+/-48.009 χ^2/NDF:319061.0/7

+ sign 188917.420+/-36.774 χ^2/NDF: 2375062.6/24

All: 187902.228+/-26.404 χ^2/NDF: 4886593.

- sign 186821.936+/-37.935 χ^2/NDF: 2509958.1/24

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -334.128+/-75.841 χ^2/NDF:28.6/9

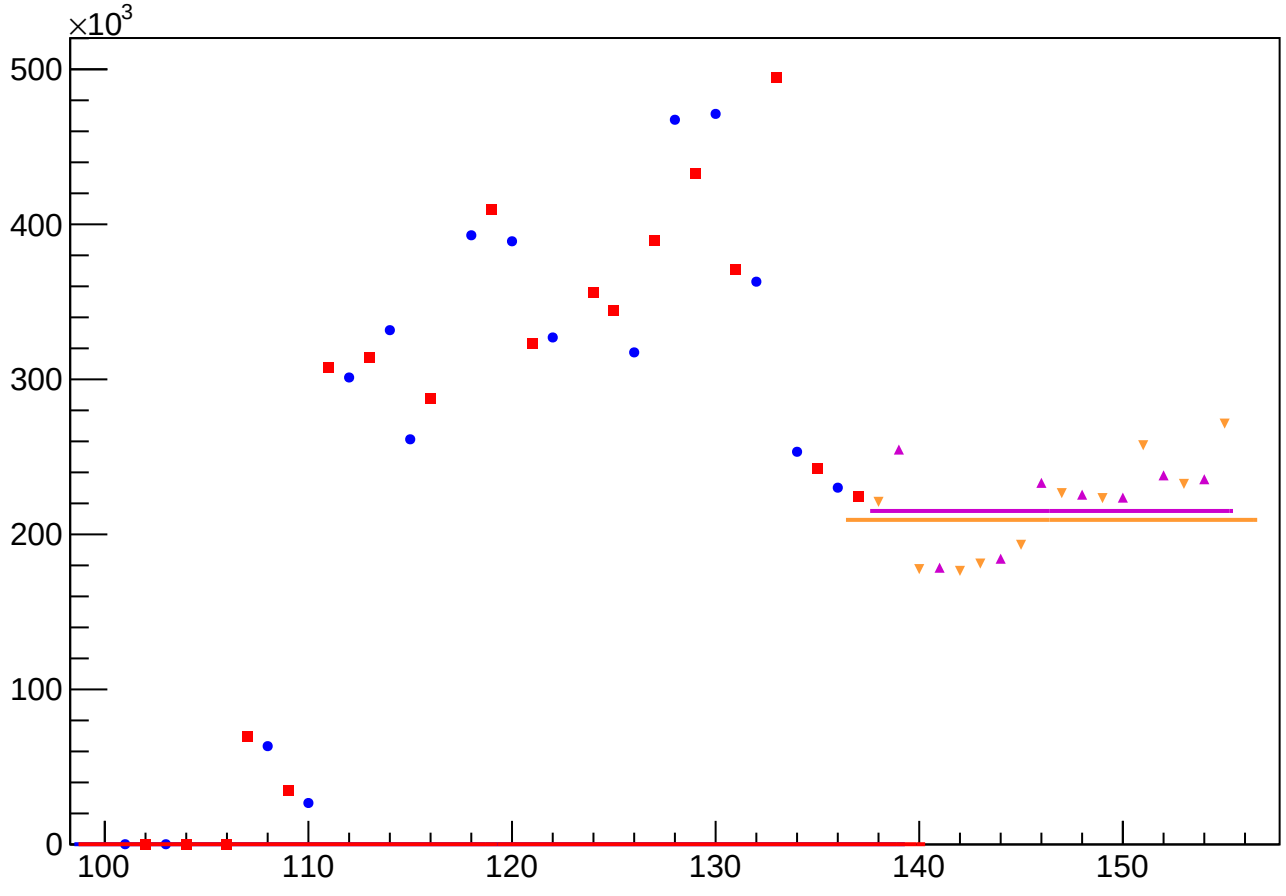
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -35.307+/-82.015 χ^2/NDF:7.1/7

+ sign -0.037+/-0.172 χ^2/NDF: 66.2/25

All: -0.208+/-0.117 χ^2/NDF: 91.7/52

- sign -0.355+/-0.160 χ^2/NDF: 23.7/26



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 209370.281+/-53.627 χ^2/NDF:314840.3/9

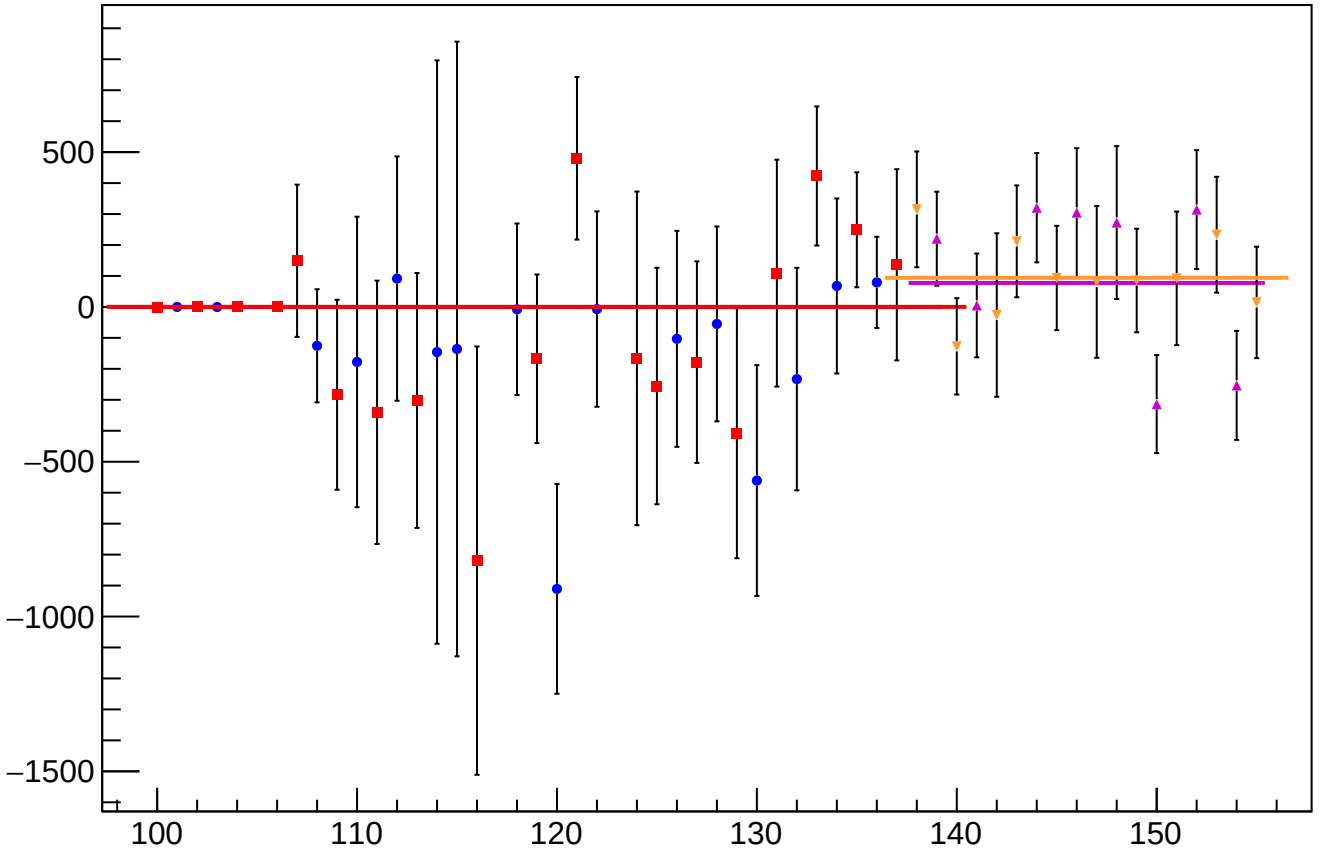
Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 215115.665+/-57.993 χ^2/NDF:210921.6/7

+ sign 150.172+/-0.122 χ^2/NDF: 26837536.1/25

All: 150.186+/-0.083 χ^2/NDF: 52077079.5/51

- sign 150.198+/-0.113 χ^2/NDF: 25239543.4/25



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 94.042+/-59.400 χ^2/NDF:4.8/9

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

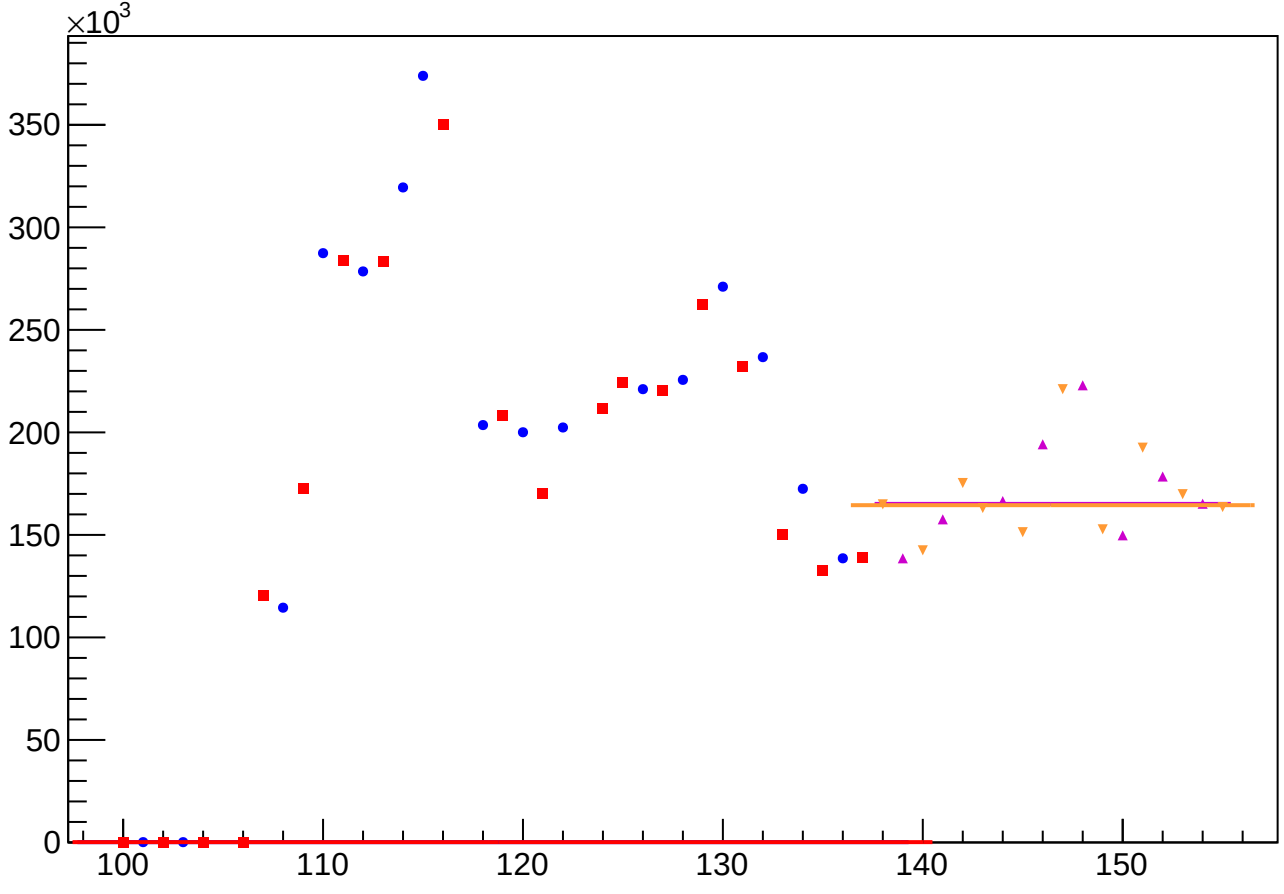
Left In: 77.513+/-63.258 χ^2/NDF:16.0/7

+ sign -0.067+/-0.177 χ^2/NDF: 18.5/25

All: 0.036+/-0.121 χ^2/NDF: 51.8/52

- sign 0.127+/-0.166 χ^2/NDF: 32.7/26

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 164497.576+/-42.002 χ^2/NDF:207706.5/9

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

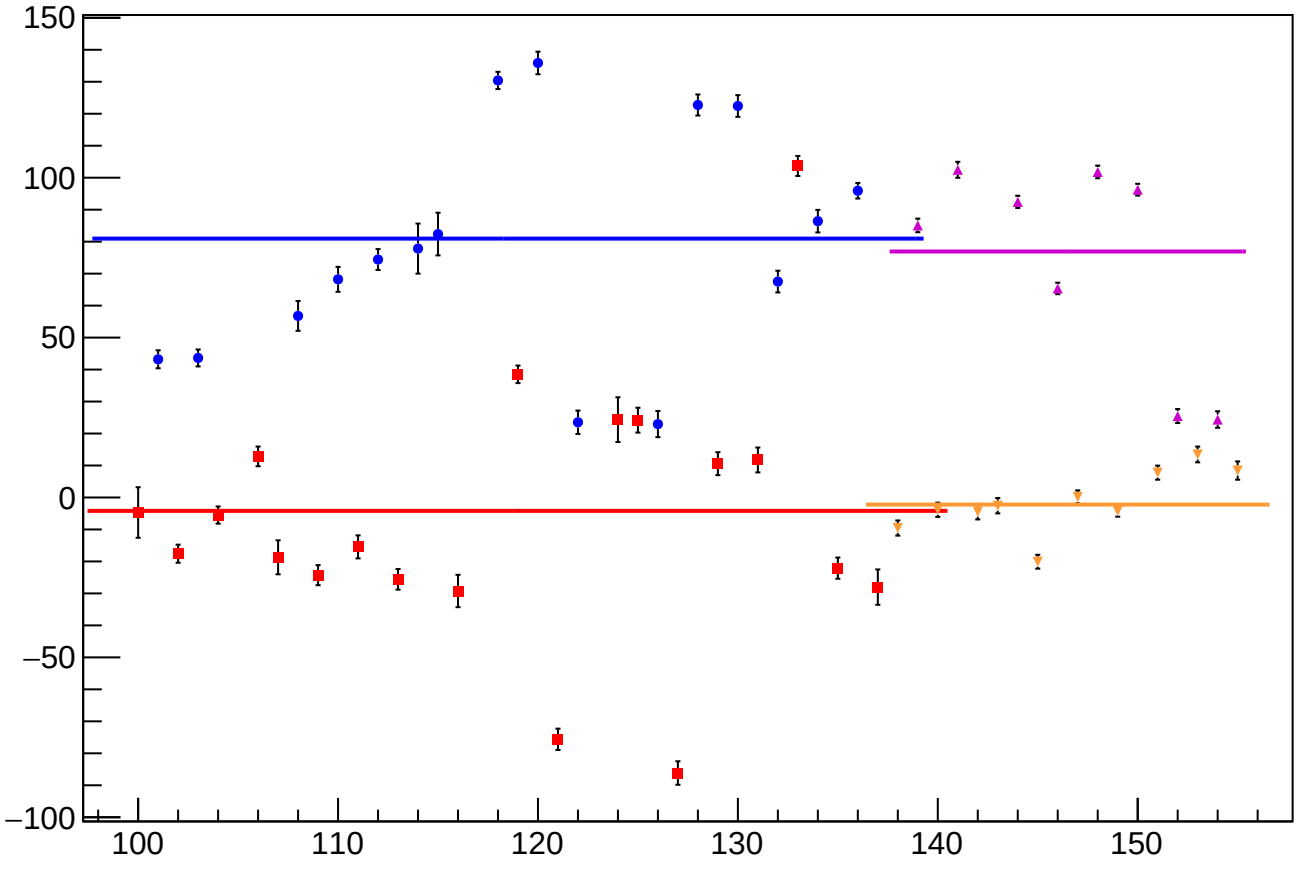
Left In: 165121.100+/-44.730 χ^2/NDF:242479.1/7

+ sign 154.923+/-0.125 χ^2/NDF: 27422033.0/25

All: 156.186+/-0.086 χ^2/NDF: 52597044.2/52

- sign 157.300+/-0.118 χ^2/NDF: 25174820.1/26

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -2.216+/-0.711 χ^2/NDF:156.2/9

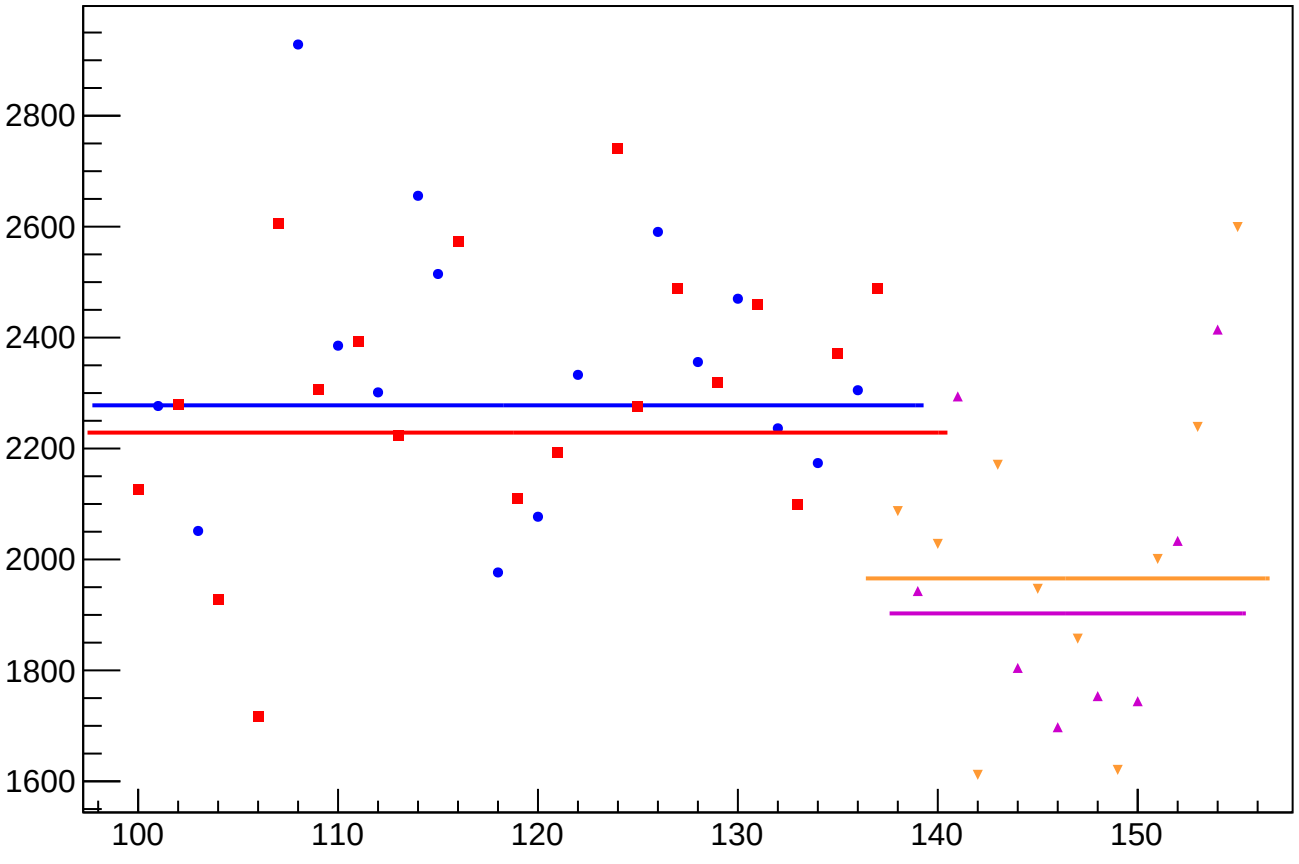
Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: 76.920+/-0.731 χ^2/NDF:1459.0/7

+ sign 31.926+/-0.546 χ^2/NDF: 7594.8/25

All: 36.478+/-0.386 χ^2/NDF: 17364.8/52

- sign 41.030+/-0.546 χ^2/NDF: 9630.8/26



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1965.803+/-0.502 χ^2/NDF:267978.6/9

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

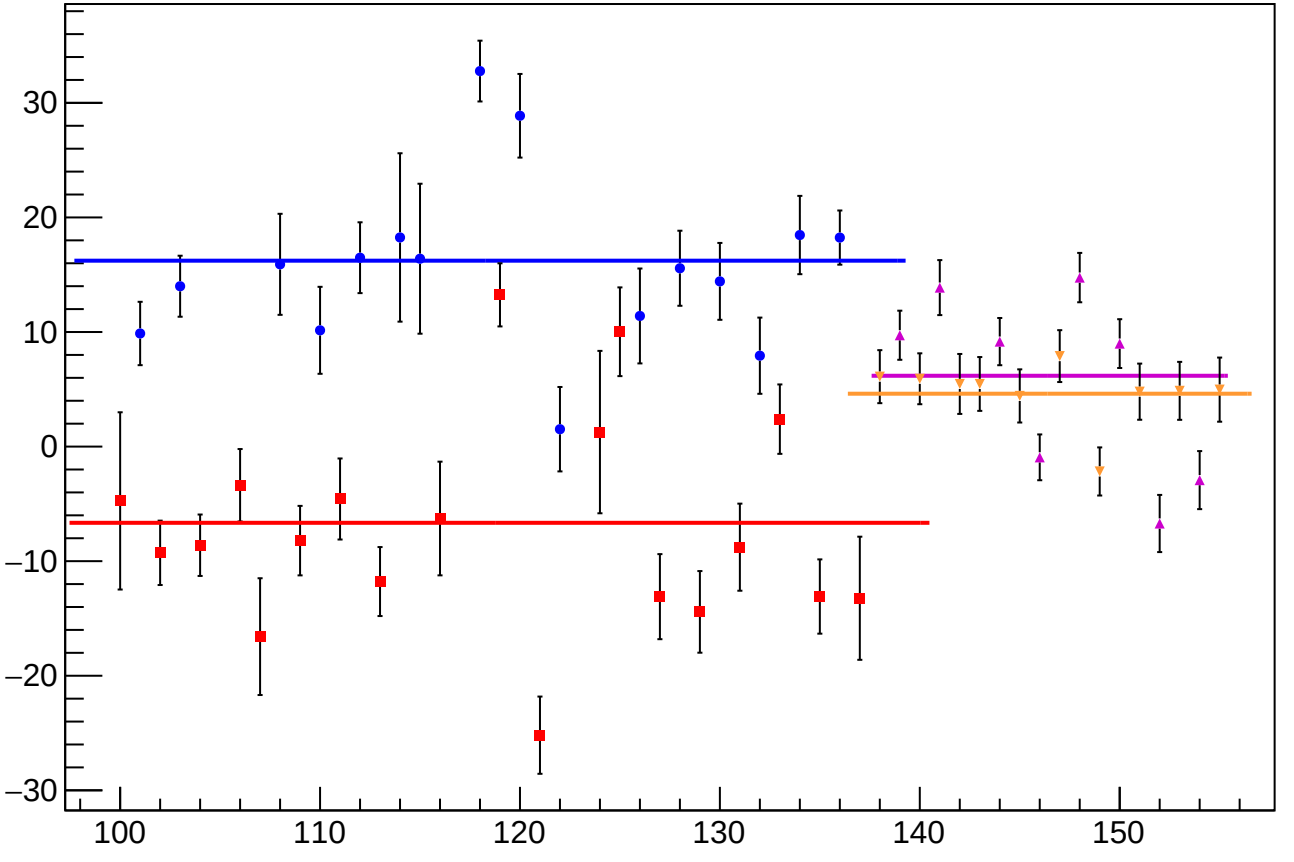
Left In: 1902.687+/-0.517 χ^2/NDF:192939.0/7

+ sign 2093.906+/-0.386 χ^2/NDF: 542122.2/25

All: 2070.430+/-0.273 χ^2/NDF: 1069784.7/52

- sign 2046.952+/-0.386 χ^2/NDF: 520254.6/26

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.615+/-0.751 χ^2/NDF:13.6/9

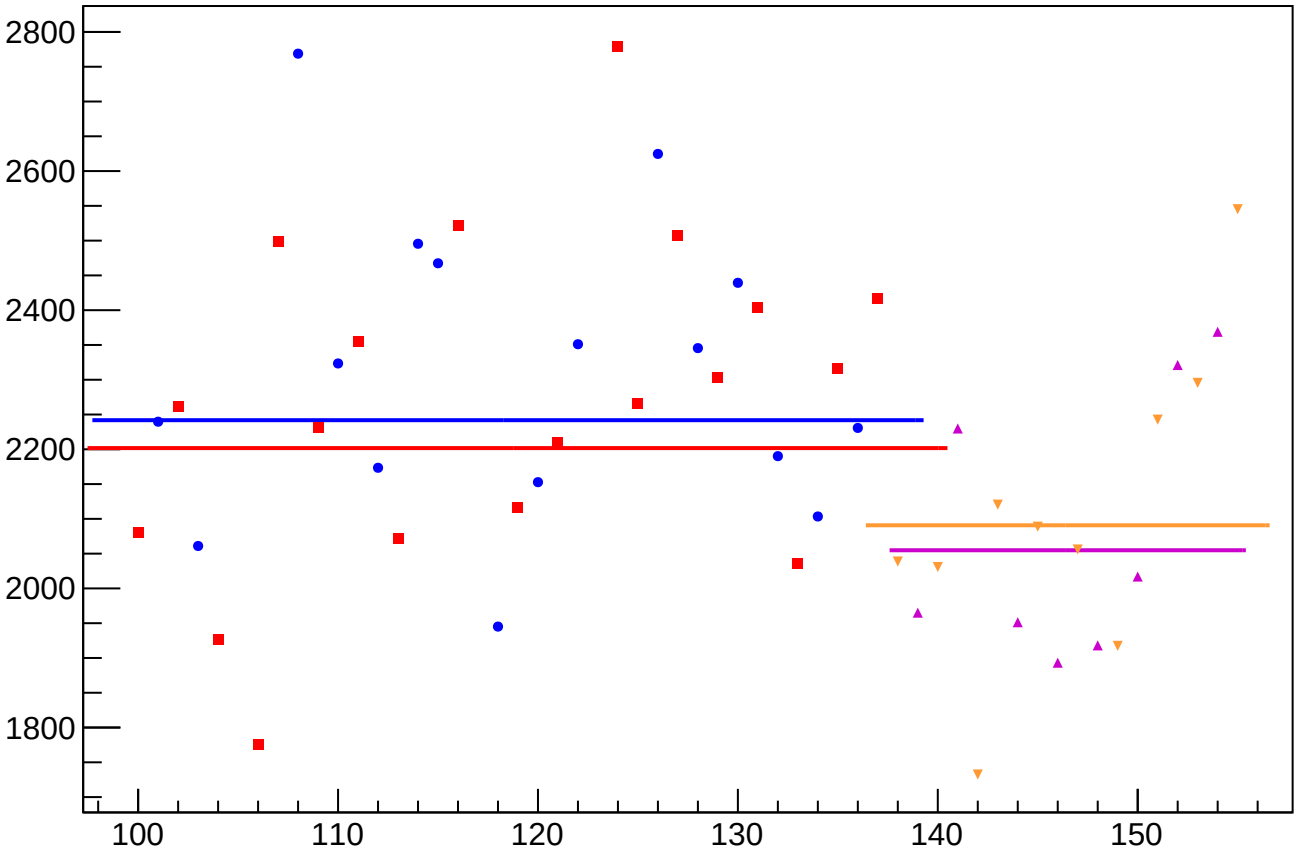
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 6.182+/-0.783 χ^2/NDF:85.0/7

+ sign 9.786+/-0.559 χ^2/NDF: 204.7/25

All: 4.914+/-0.397 χ^2/NDF: 707.1/52

- sign -0.026+/-0.563 χ^2/NDF: 349.4/26



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2090.753+/-0.531 χ^2/NDF:127896.0/9

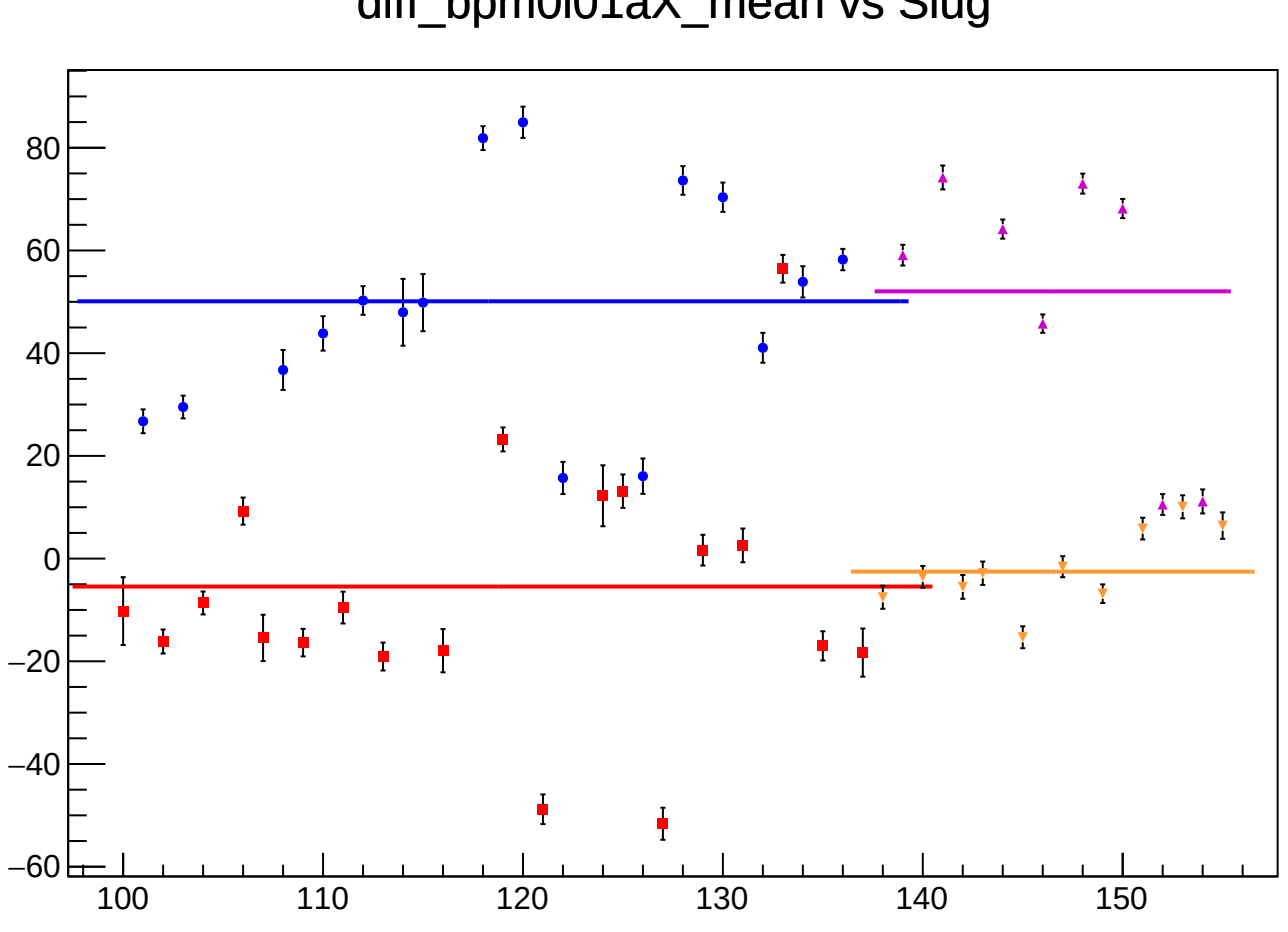
Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2054.855+/-0.554 χ^2/NDF:94494.9/7

+ sign 2158.047+/-0.395 χ^2/NDF: 266255.4/25

All: 2142.088+/-0.280 χ^2/NDF: 527929.0/52

- sign 2125.906+/-0.398 χ^2/NDF: 258390.2/26



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -2.535+/-0.684 χ^2/NDF:108.1/9

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

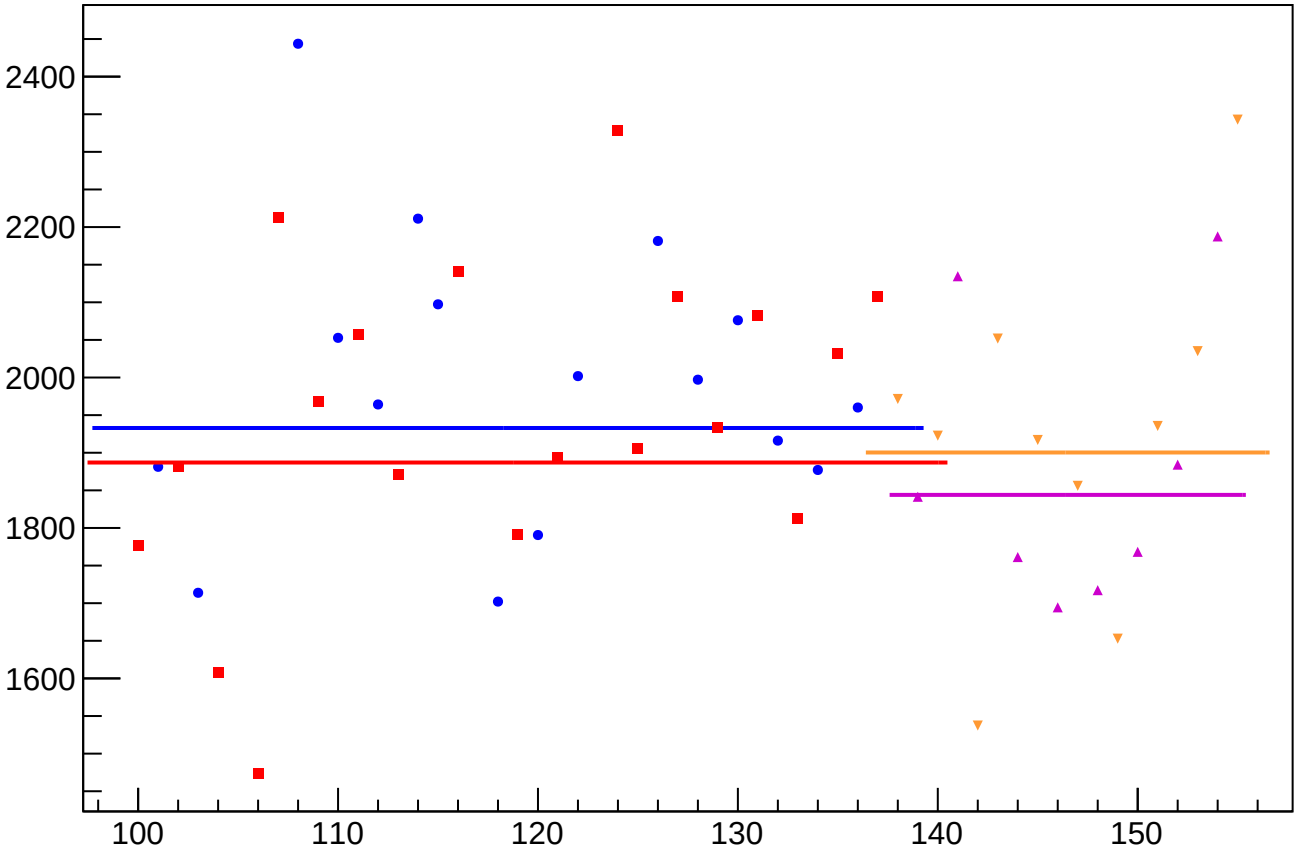
Left In: 52.038+/-0.706 χ^2/NDF:1072.7/7

+ sign 22.346+/-0.496 χ^2/NDF: 3798.3/25

All: 22.589+/-0.351 χ^2/NDF: 9554.8/52

- sign 22.830+/-0.495 χ^2/NDF: 5756.1/26

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1900.348+/-0.483 χ^2/NDF:165159.1/9

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

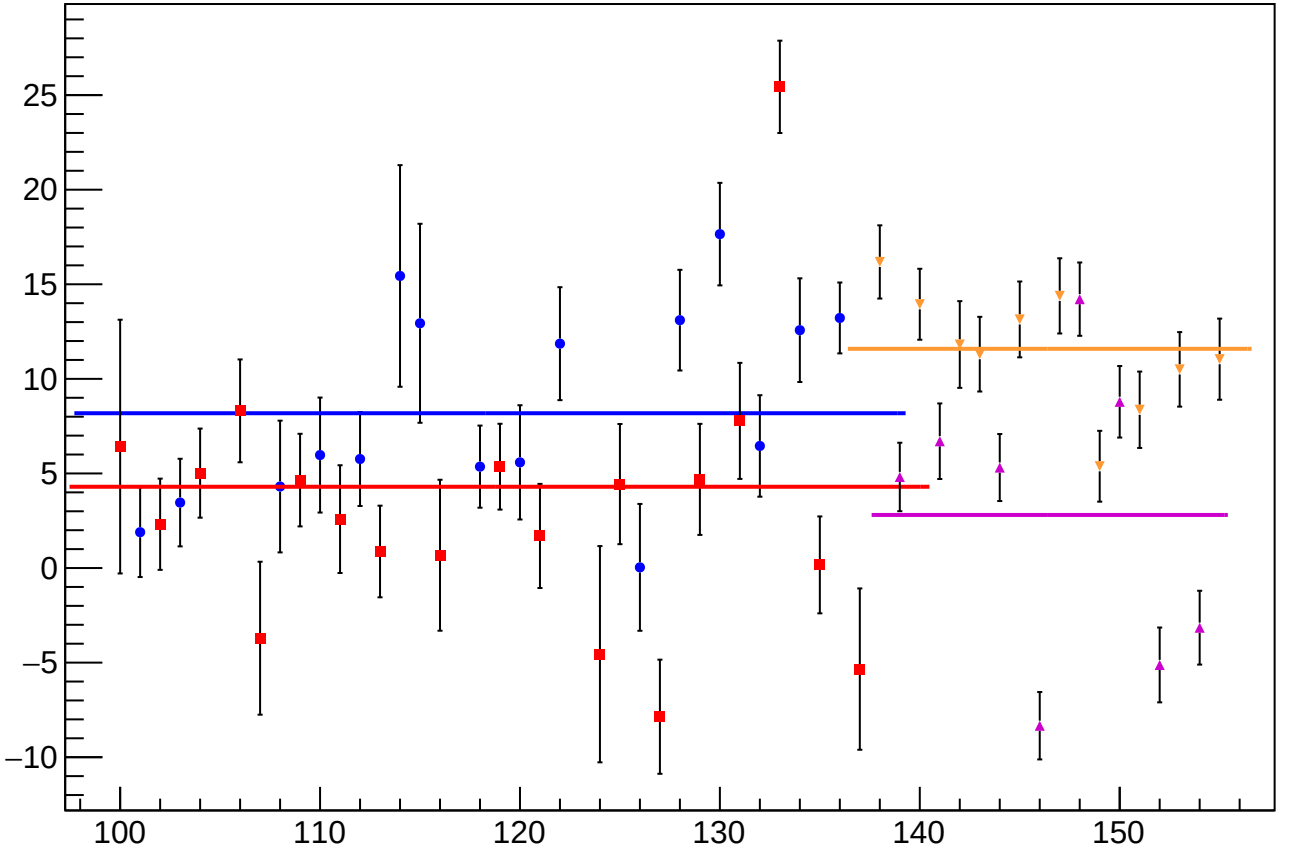
Left In: 1843.973+/-0.499 χ^2/NDF:104862.3/7

+ sign 1915.737+/-0.351 χ^2/NDF: 273270.2/25

All: 1890.708+/-0.248 χ^2/NDF: 541791.7/52

- sign 1865.839+/-0.350 χ^2/NDF: 258388.3/26

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.589+/-0.632 χ^2/NDF:23.7/9

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

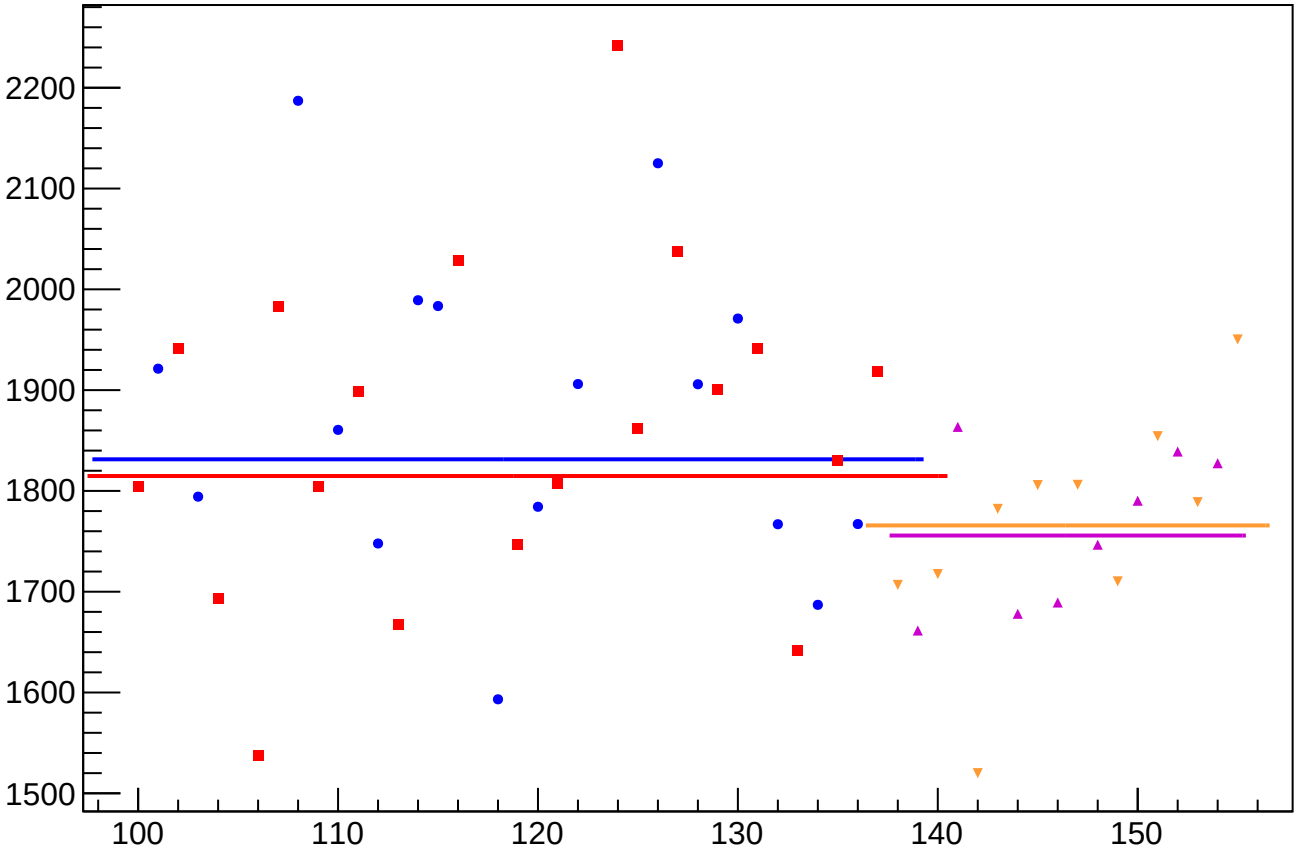
Left In: 2.806+/-0.666 χ^2/NDF:116.2/7

+ sign 10.020+/-0.464 χ^2/NDF: 89.1/25

All: 6.833+/-0.330 χ^2/NDF: 417.5/52

- sign 3.552+/-0.471 χ^2/NDF: 232.7/26

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1765.771+/-0.447 χ^2/NDF:48628.1/9

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

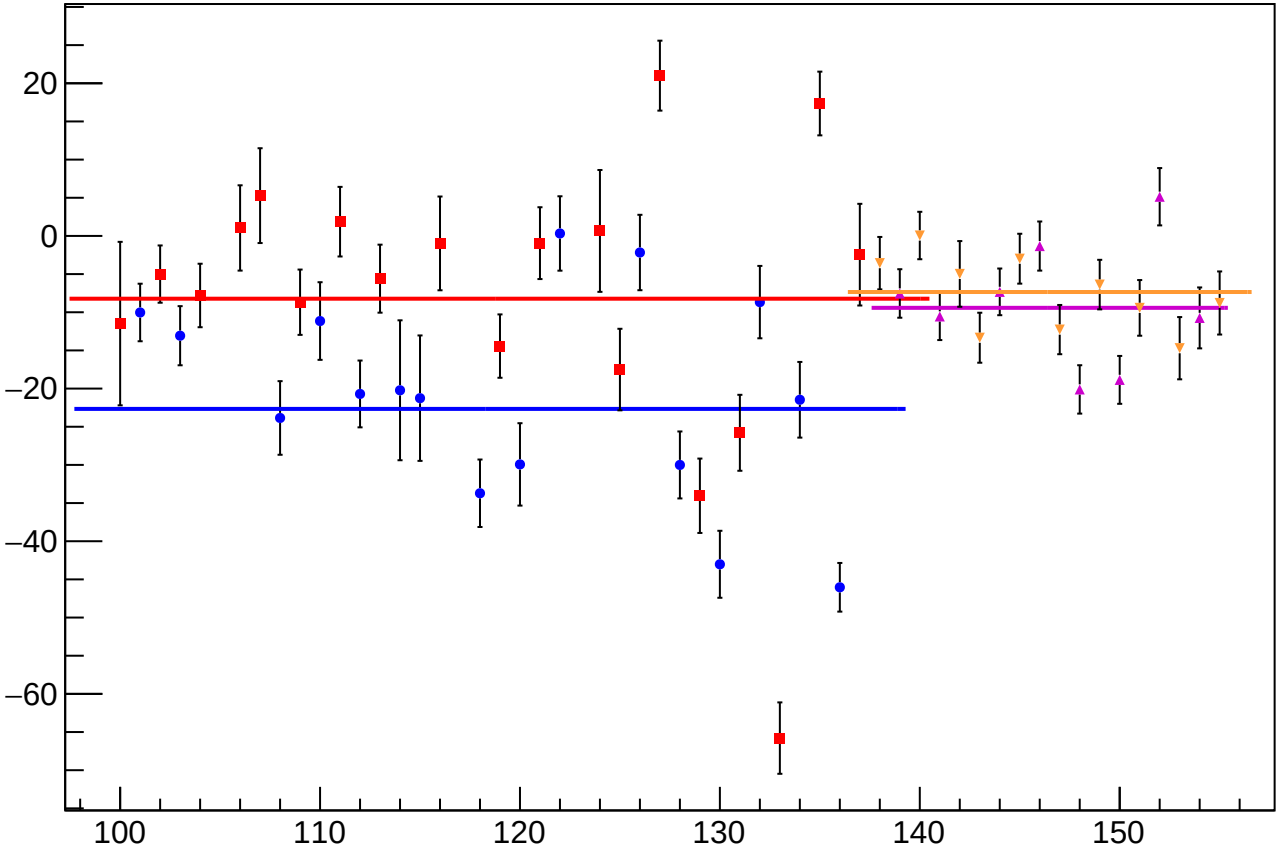
Left In: 1755.738+/-0.471 χ^2/NDF:24844.8/7

+ sign 1795.982+/-0.328 χ^2/NDF: 145479.1/25

All: 1790.709+/-0.234 χ^2/NDF: 269451.0/52

- sign 1785.279+/-0.333 χ^2/NDF: 123447.5/26

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.346+/-1.108 χ^2/NDF:18.4/9

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

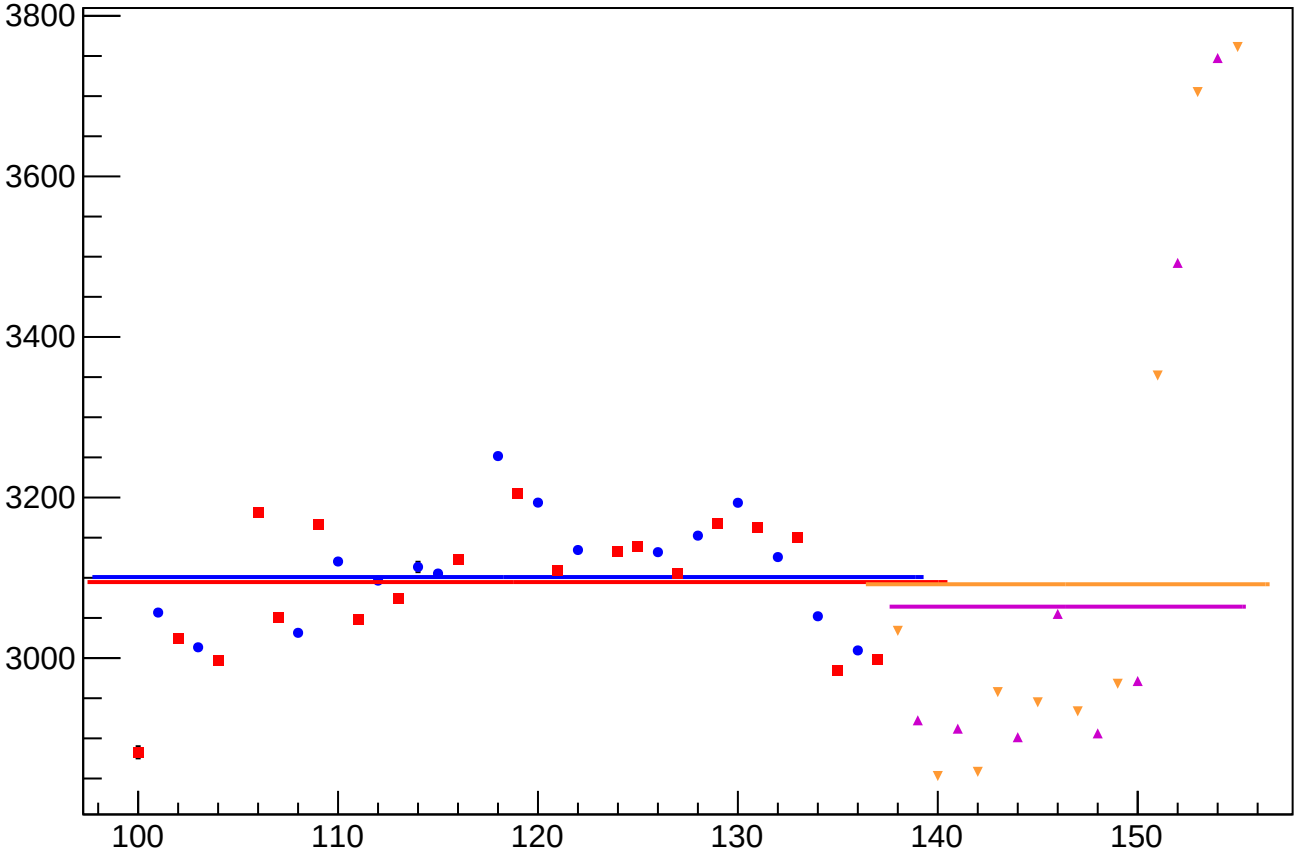
Left In: -9.420+/-1.161 χ^2/NDF:42.8/7

+ sign -14.709+/-0.799 χ^2/NDF: 267.4/25

All: -11.796+/-0.568 χ^2/NDF: 632.6/52

- sign -8.805+/-0.809 χ^2/NDF: 338.2/26

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3091.976+/-0.784 χ^2/NDF:141231.2/9

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

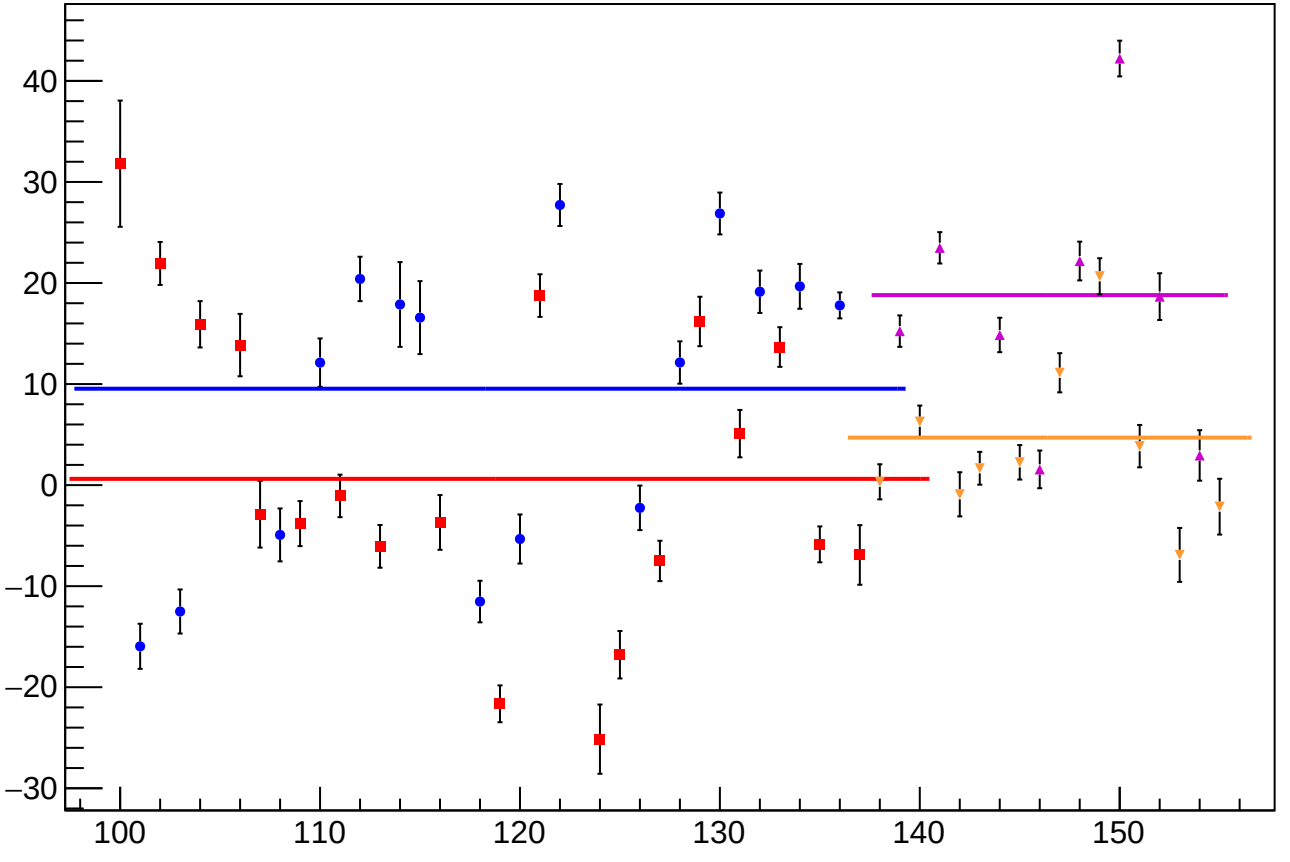
Left In: 3064.068+/-0.821 χ^2/NDF:105794.2/7

+ sign 3096.285+/-0.565 χ^2/NDF: 149187.8/25

All: 3088.157+/-0.402 χ^2/NDF: 264701.4/52

- sign 3079.809+/-0.572 χ^2/NDF: 115093.7/26

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 4.699+/-0.605 χ^2/NDF:135.5/9

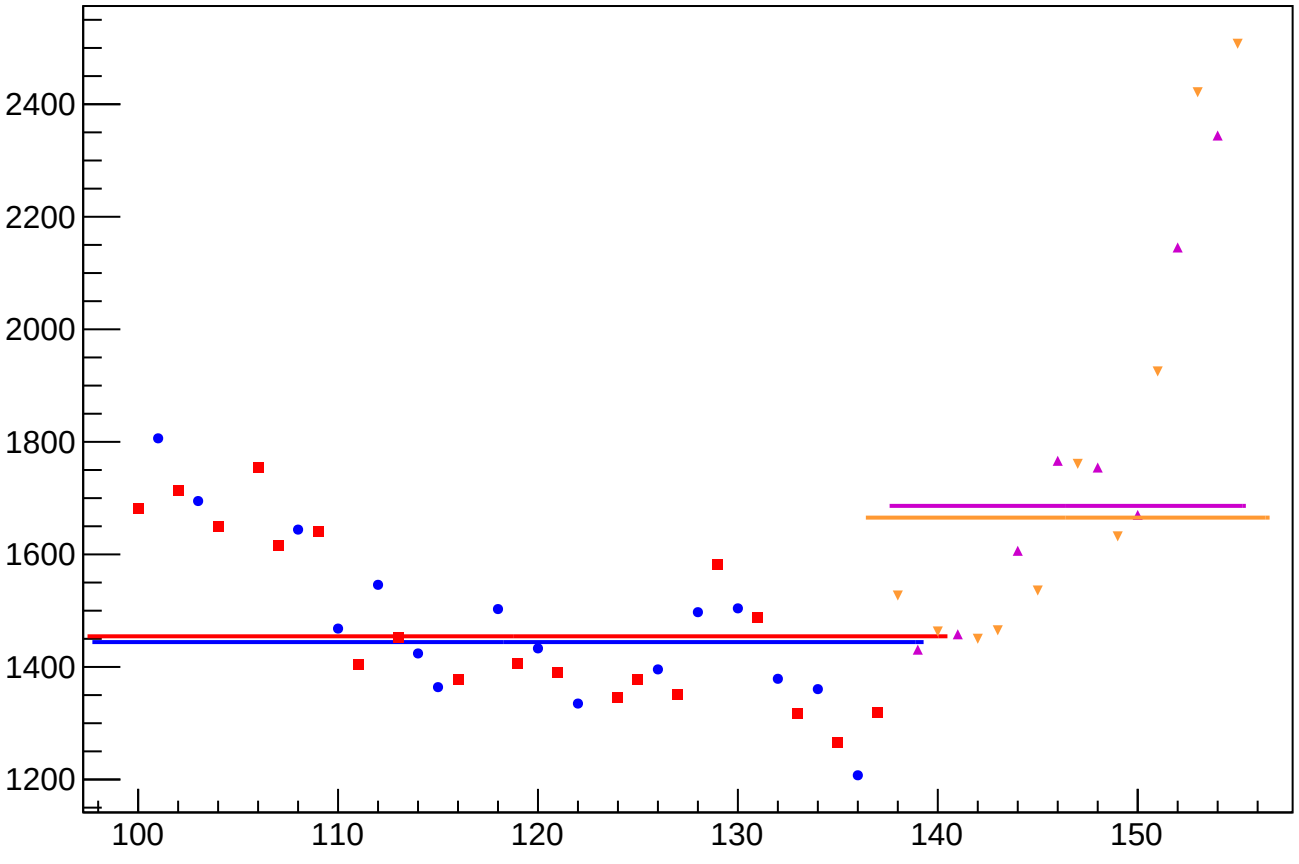
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 18.804+/-0.646 χ^2/NDF:324.0/7

+ sign 7.387+/-0.403 χ^2/NDF: 869.8/25

All: 7.692+/-0.288 χ^2/NDF: 2331.9/52

- sign 8.009+/-0.412 χ^2/NDF: 1460.9/26



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1665.382+/-0.428 χ^2/NDF:489055.3/9

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

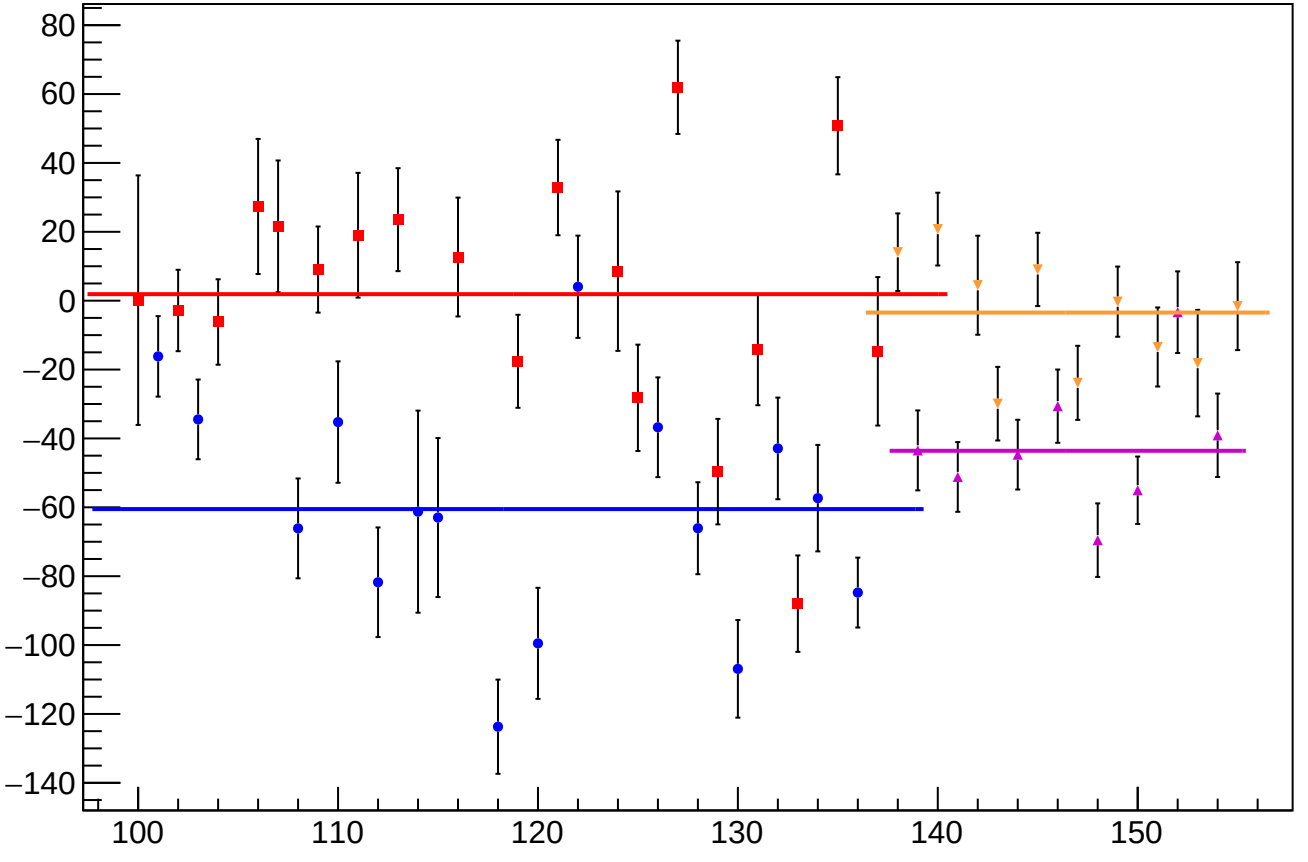
Left In: 1686.243+/-0.456 χ^2/NDF:325510.7/7

+ sign 1542.573+/-0.285 χ^2/NDF: 817748.1/25

All: 1545.551+/-0.204 χ^2/NDF: 1439288.9/52

- sign 1548.650+/-0.291 χ^2/NDF: 621318.4/26

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -3.444+/-3.641 χ^2/NDF:20.9/9

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

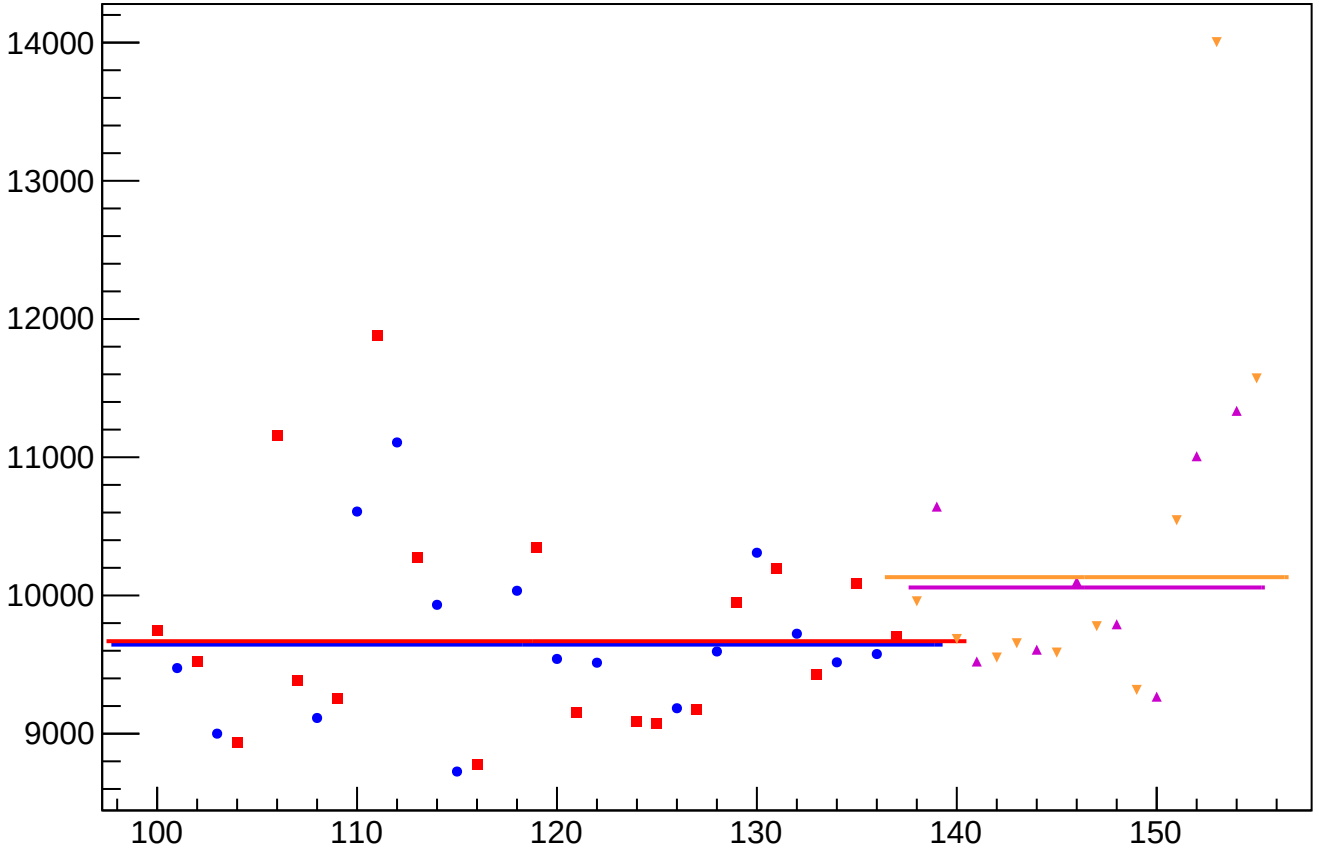
Left In: -43.584+/-3.809 χ^2/NDF:21.0/7

+ sign -32.331+/-2.559 χ^2/NDF: 235.6/25

All: -25.857+/-1.822 χ^2/NDF: 449.8/52

- sign -19.201+/-2.594 χ^2/NDF: 201.3/26

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10132.452+/-2.574 χ^2/NDF:184838.8/9

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

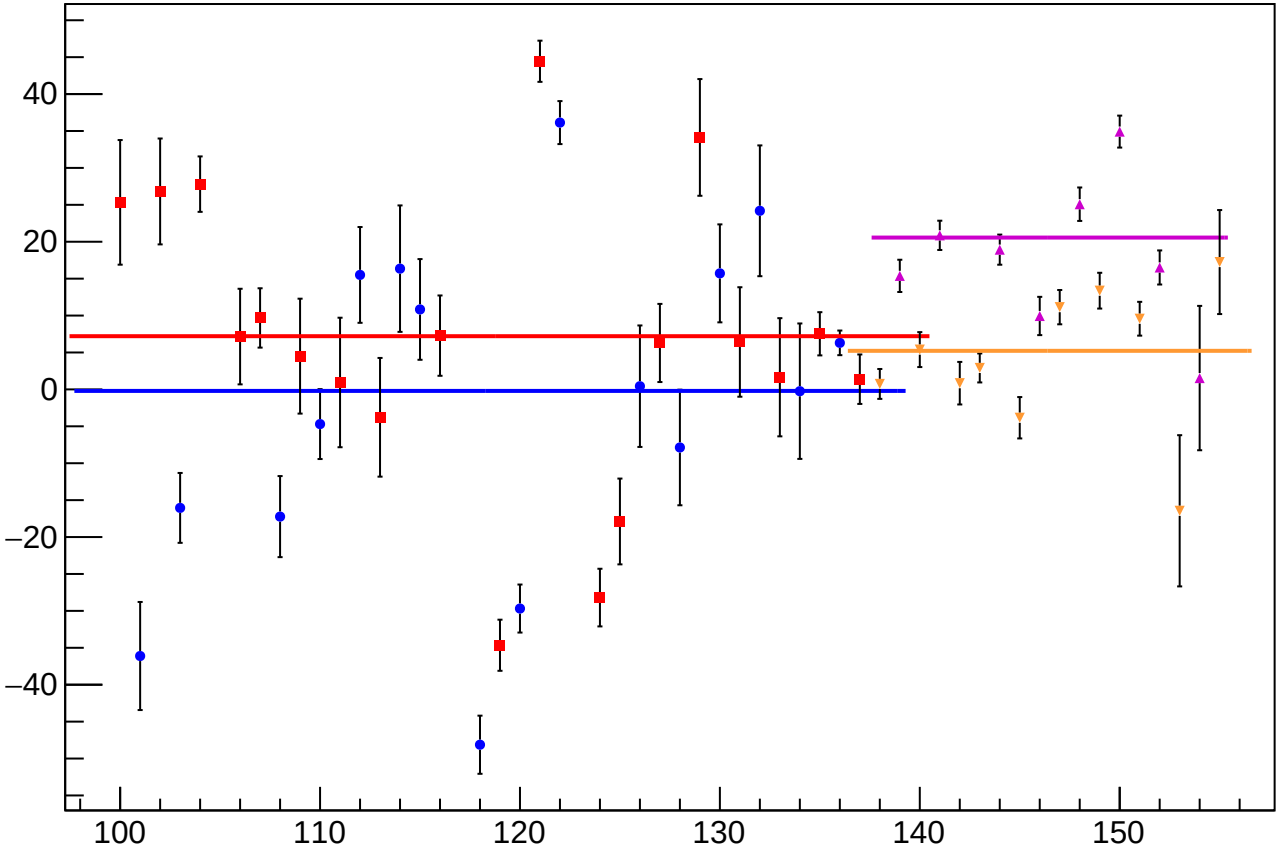
Left In: 10057.825+/-2.693 χ^2/NDF:64056.4/7

+ sign 9885.427+/-1.809 χ^2/NDF: 247132.0/25

All: 9867.678+/-1.288 χ^2/NDF: 402428.1/52

- sign 9849.431+/-1.834 χ^2/NDF: 155100.9/26

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.224+/-0.815 χ^2/NDF:47.9/9

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

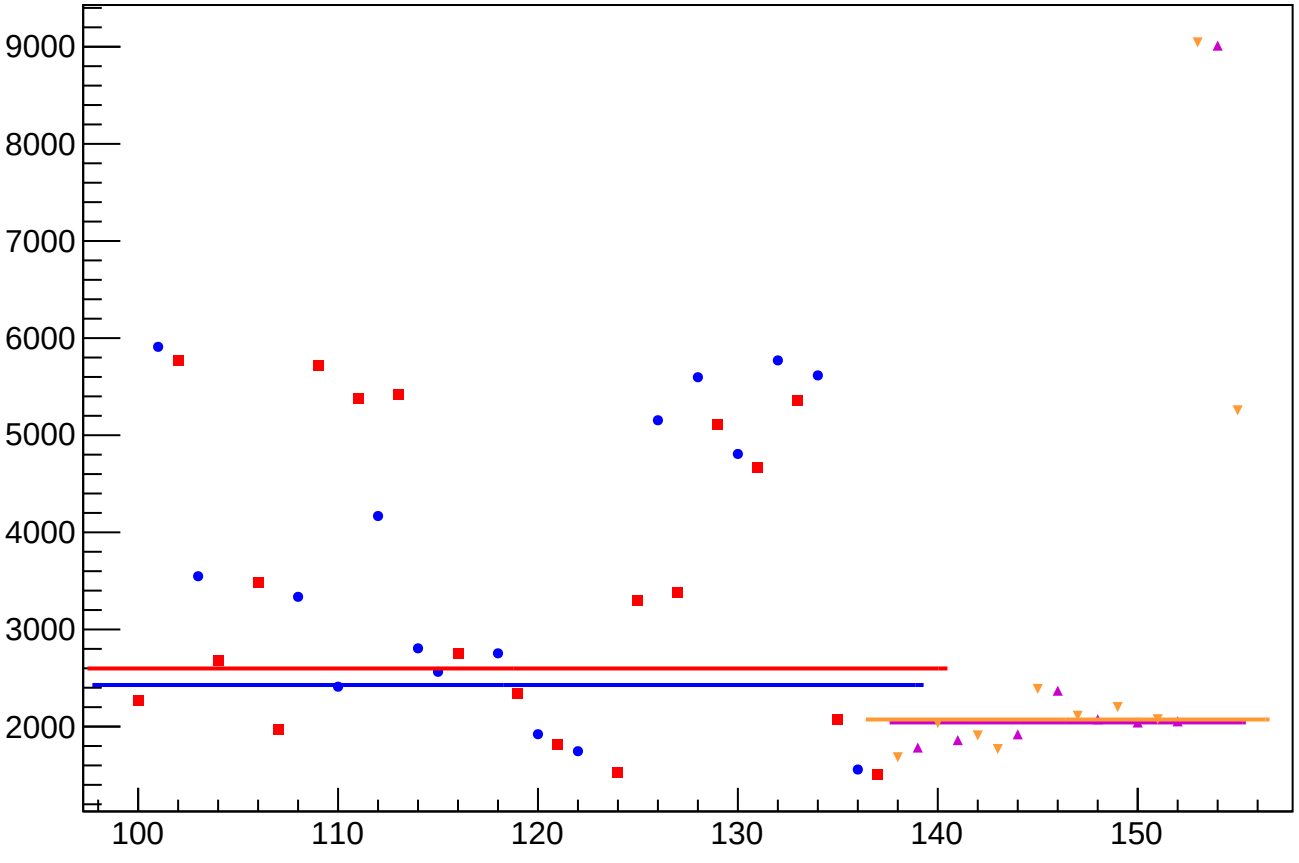
Left In: 20.564+/-0.828 χ^2/NDF:77.9/7

+ sign 3.172+/-0.643 χ^2/NDF: 538.4/25

All: 9.256+/-0.459 χ^2/NDF: 1381.8/52

- sign 15.585+/-0.656 χ^2/NDF: 660.6/26

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2072.747+/-0.576 χ^2/NDF:1495593.8/9

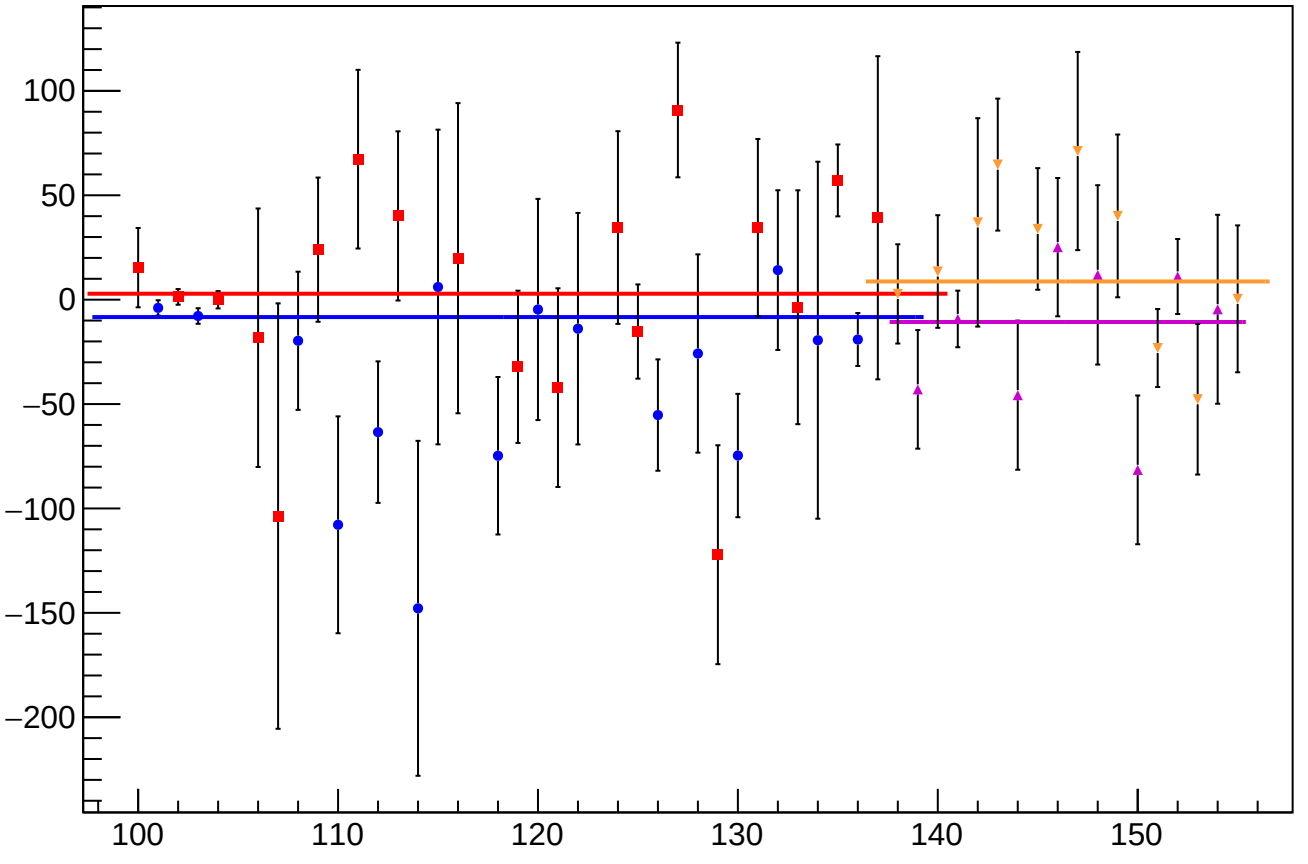
Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2042.693+/-0.585 χ^2/NDF:1100605.6/7

+ sign 2207.049+/-0.454 χ^2/NDF: 4454673.9/25

All: 2228.009+/-0.324 χ^2/NDF: 8410537.3/52

- sign 2249.815+/-0.464 χ^2/NDF: 3951522.8/26



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 8.715+/-9.419 χ^2/NDF:12.1/9

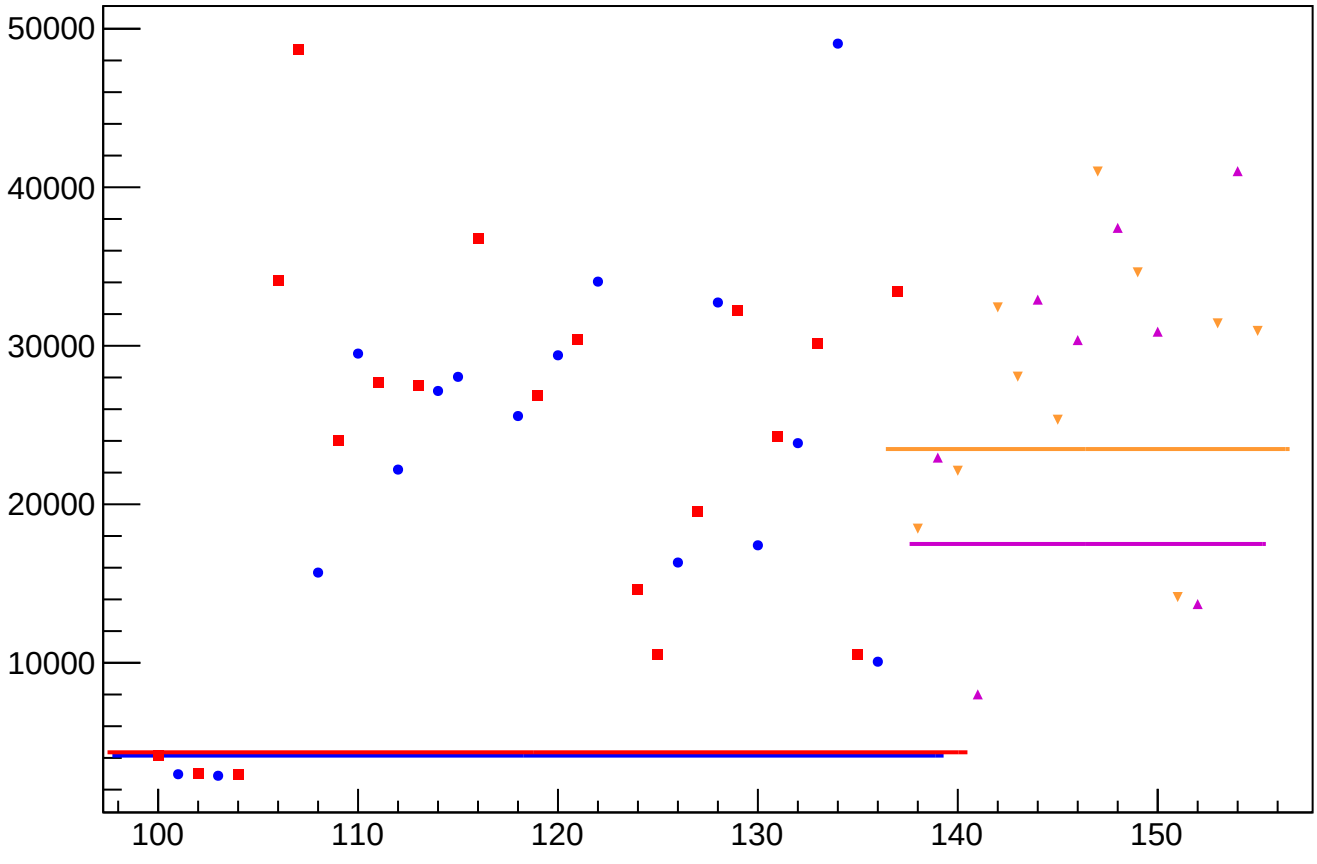
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -10.693+/-8.672 χ^2/NDF:9.2/7

+ sign -7.211+/-2.416 χ^2/NDF: 38.6/25

All: -2.953+/-1.746 χ^2/NDF: 89.1/52

- sign 1.700+/-2.525 χ^2/NDF: 44.0/26



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 23485.792+/-6.660 χ^2/NDF:1330447.7/9

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

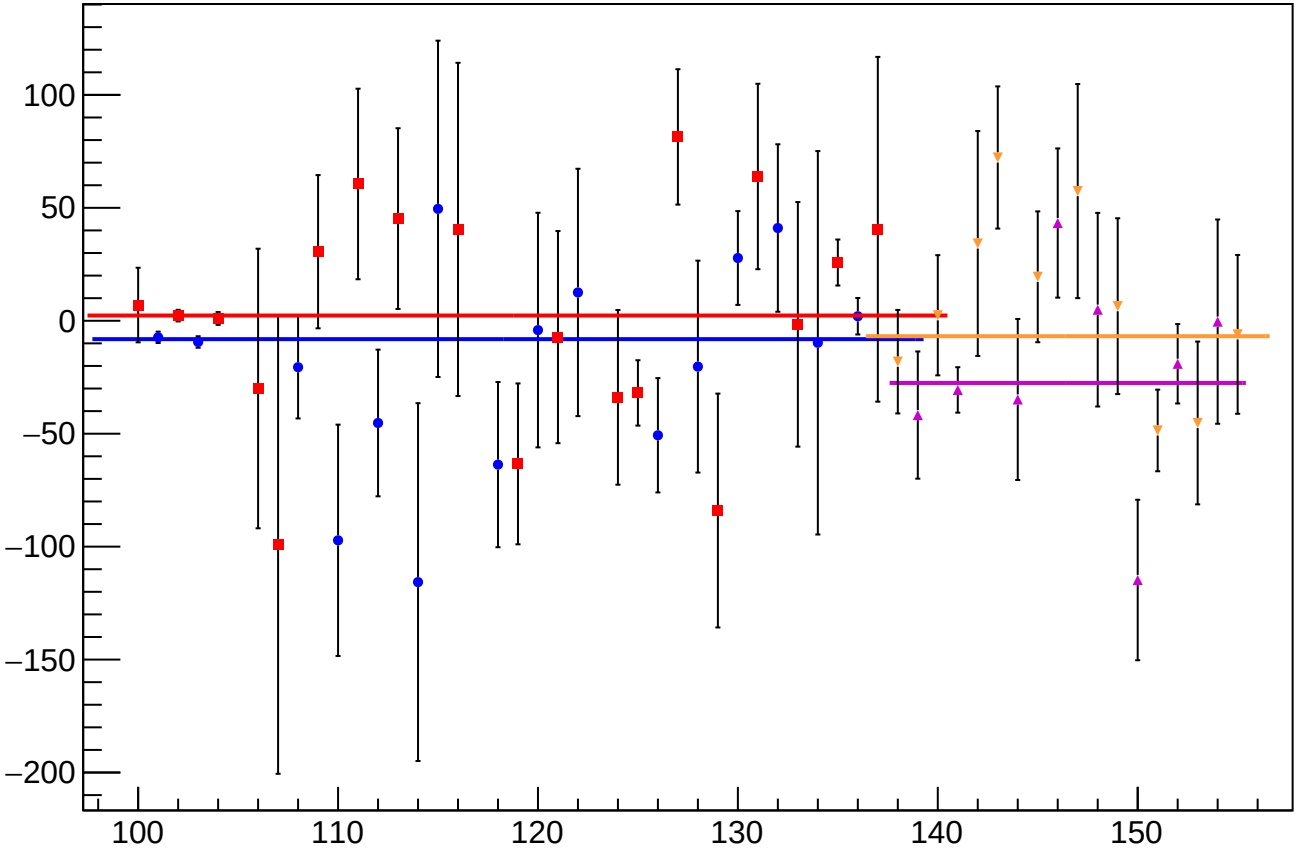
Left In: 17497.889+/-6.132 χ^2/NDF:3071425.7/7

+ sign 5418.039+/-1.708 χ^2/NDF: 16045011.5/25

All: 5442.314+/-1.234 χ^2/NDF: 30946146.6/5

- sign 5468.839+/-1.786 χ^2/NDF: 14900712.6/26

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -6.825+/-9.257 χ^2/NDF:16.6/9

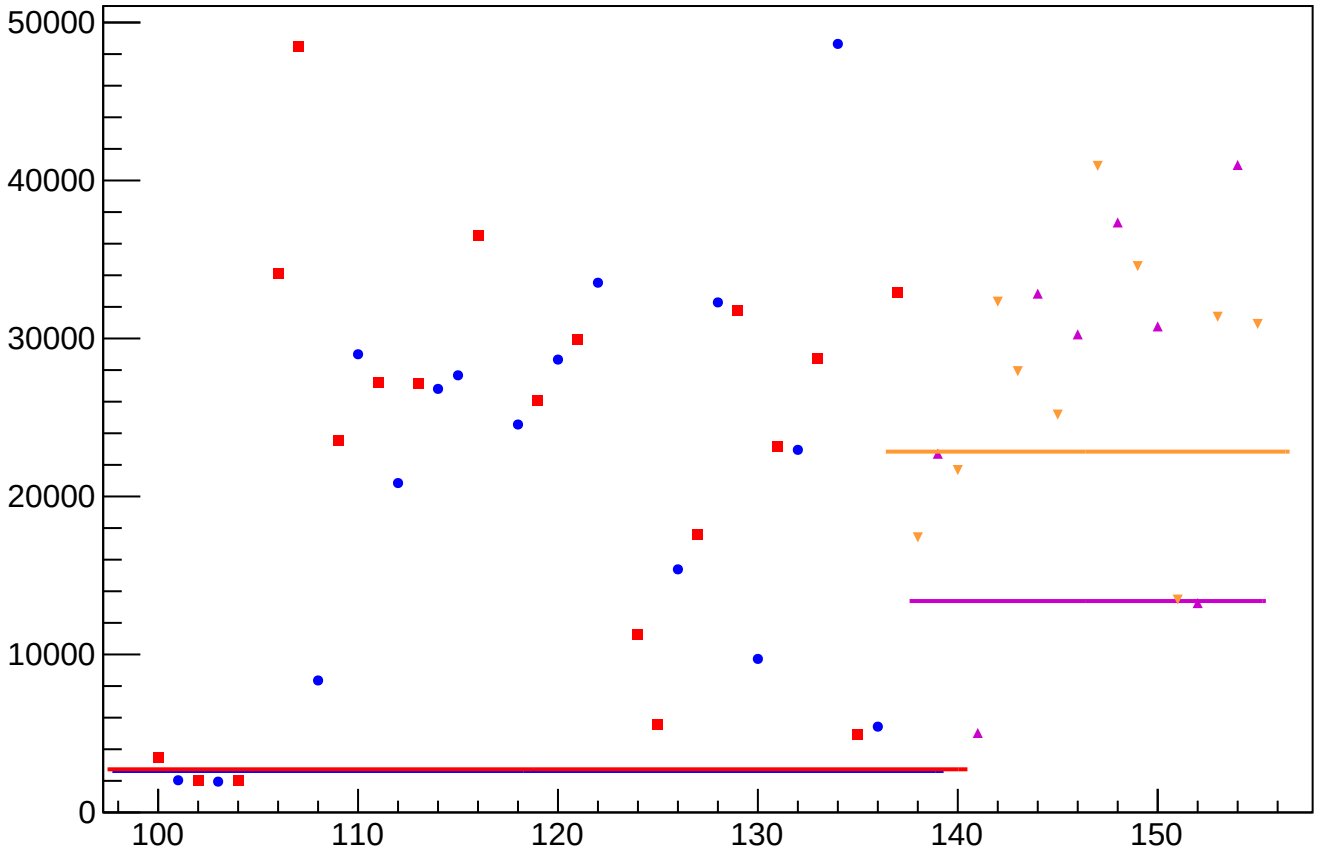
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -27.532+/-7.474 χ^2/NDF:12.2/7

+ sign -8.089+/-1.691 χ^2/NDF: 35.7/25

All: -3.917+/-1.223 χ^2/NDF: 108.8/52

- sign 0.651+/-1.770 χ^2/NDF: 60.3/26



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22838.259+/-6.546 χ^2/NDF:1482621.8/9

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

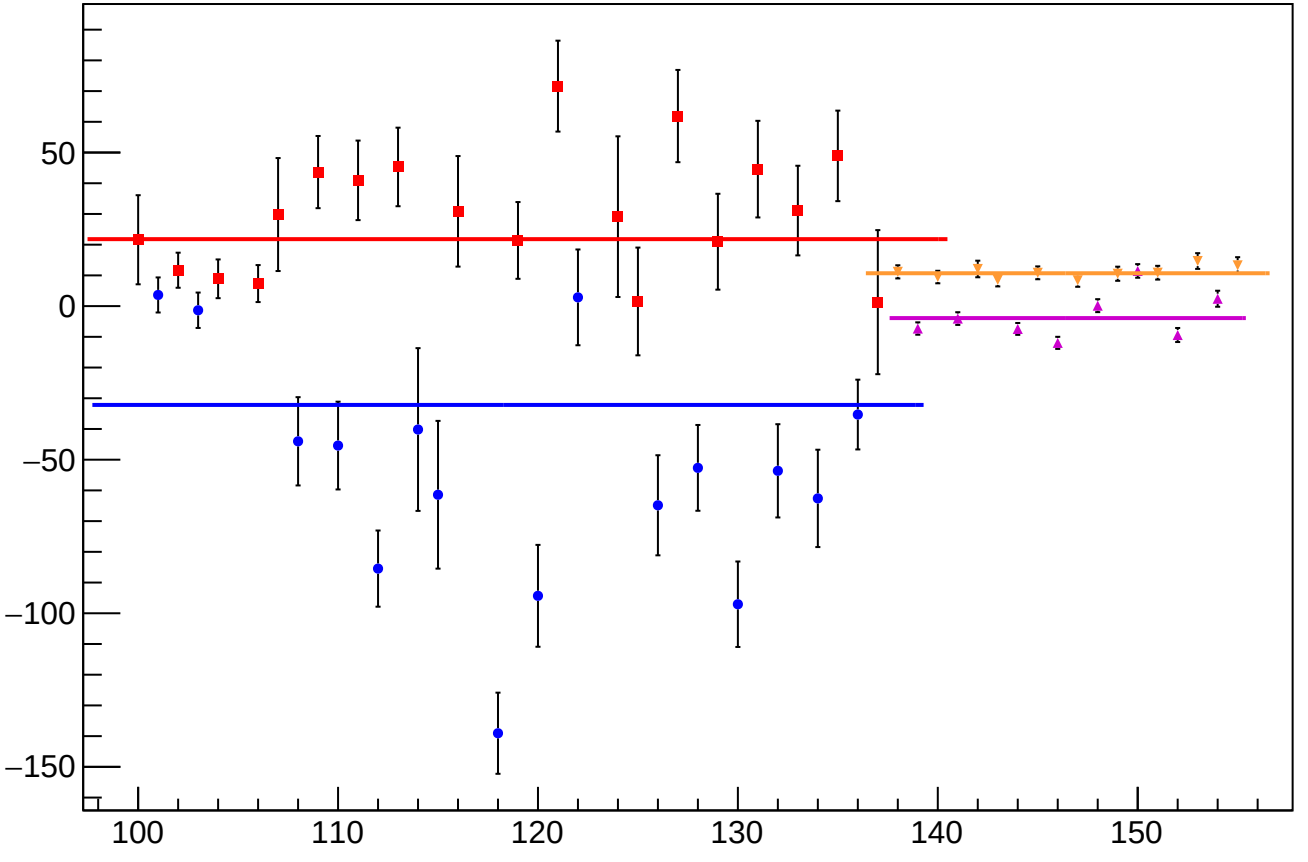
Left In: 13381.909+/-5.285 χ^2/NDF:4563784.6/7

+ sign 3301.196+/-1.196 χ^2/NDF: 17479343.1/25

All: 3313.764+/-0.865 χ^2/NDF: 33863747.9/5

- sign 3327.524+/-1.251 χ^2/NDF: 16384173.4/26

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.697+/-0.716 χ^2/NDF:6.2/9

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

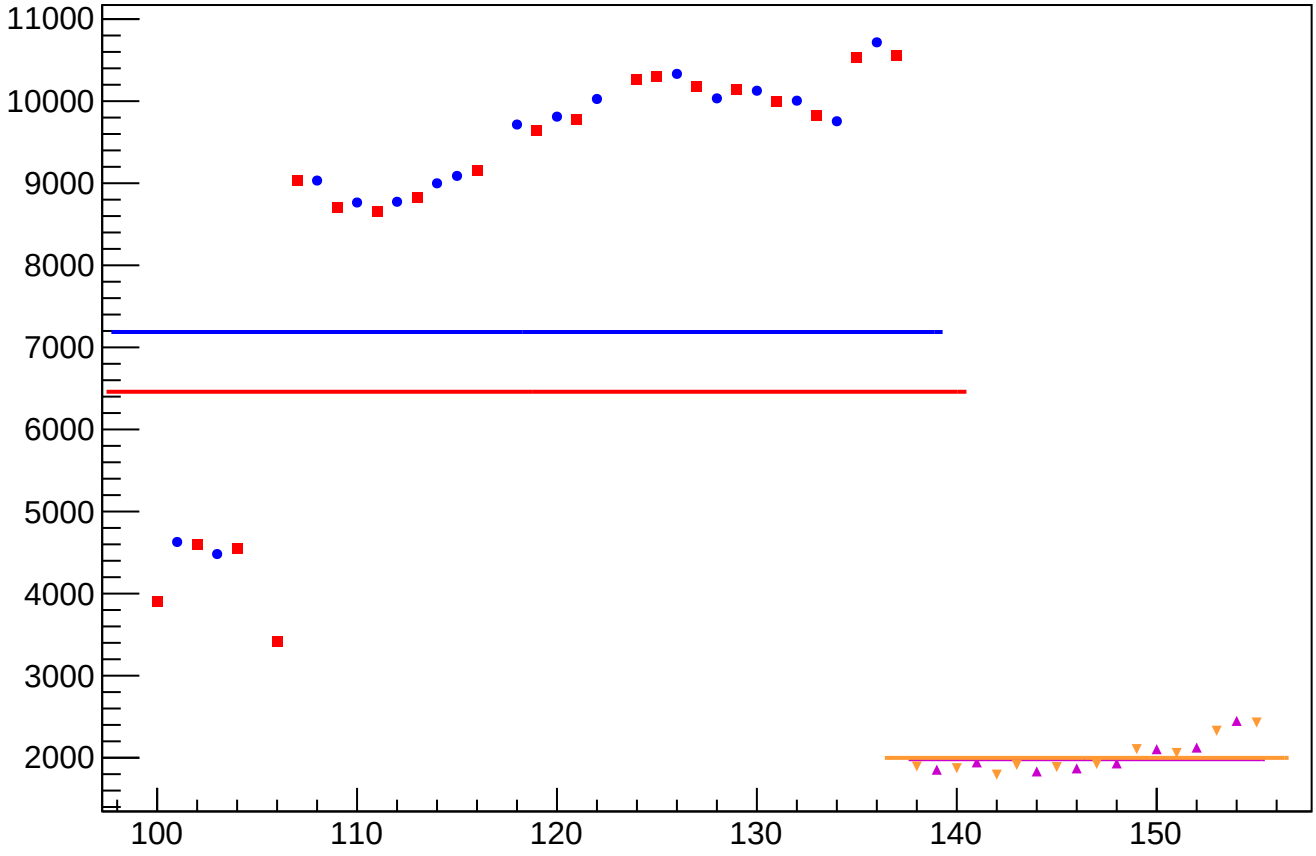
Left In: -3.900+/-0.752 χ^2/NDF:86.0/7

+ sign 8.135+/-0.695 χ^2/NDF: 428.0/25

All: 3.326+/-0.500 χ^2/NDF: 755.6/52

- sign -1.857+/-0.721 χ^2/NDF: 228.0/26

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1998.586+/-0.507 χ^2/NDF:126217.6/9

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

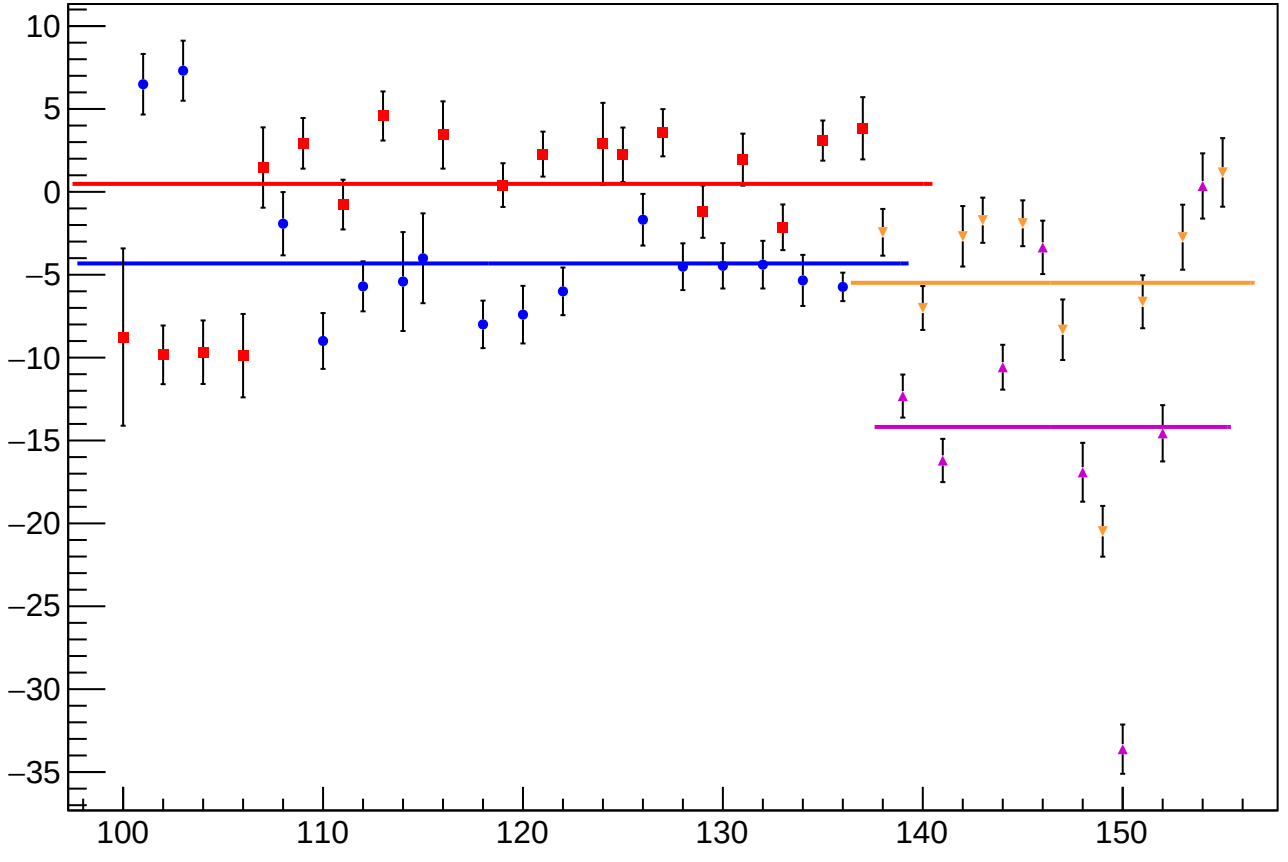
Left In: 1982.179+/-0.531 χ^2/NDF:105808.2/7

+ sign 2308.643+/-0.491 χ^2/NDF: 8101693.2/25

All: 2322.854+/-0.354 χ^2/NDF: 16128154.4/5

- sign 2338.167+/-0.510 χ^2/NDF: 8024722.3/26

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.486+/-0.497 χ^2/NDF:133.9/9

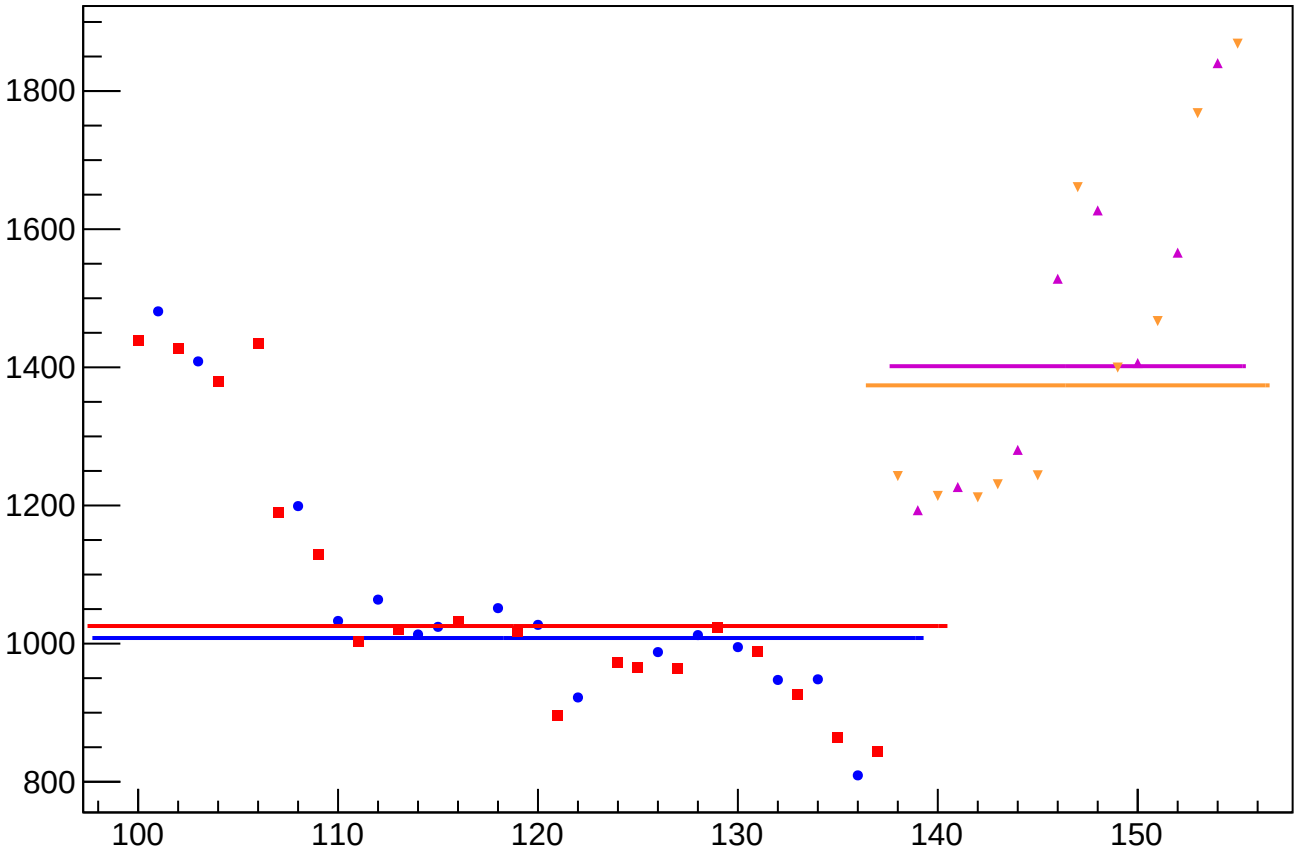
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -14.181+/-0.535 χ^2/NDF:285.0/7

+ sign -4.749+/-0.302 χ^2/NDF: 241.0/25

All: -4.583+/-0.216 χ^2/NDF: 1143.8/52

- sign -4.408+/-0.309 χ^2/NDF: 902.1/26



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1373.919+/-0.351 χ^2/NDF:354205.5/9

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

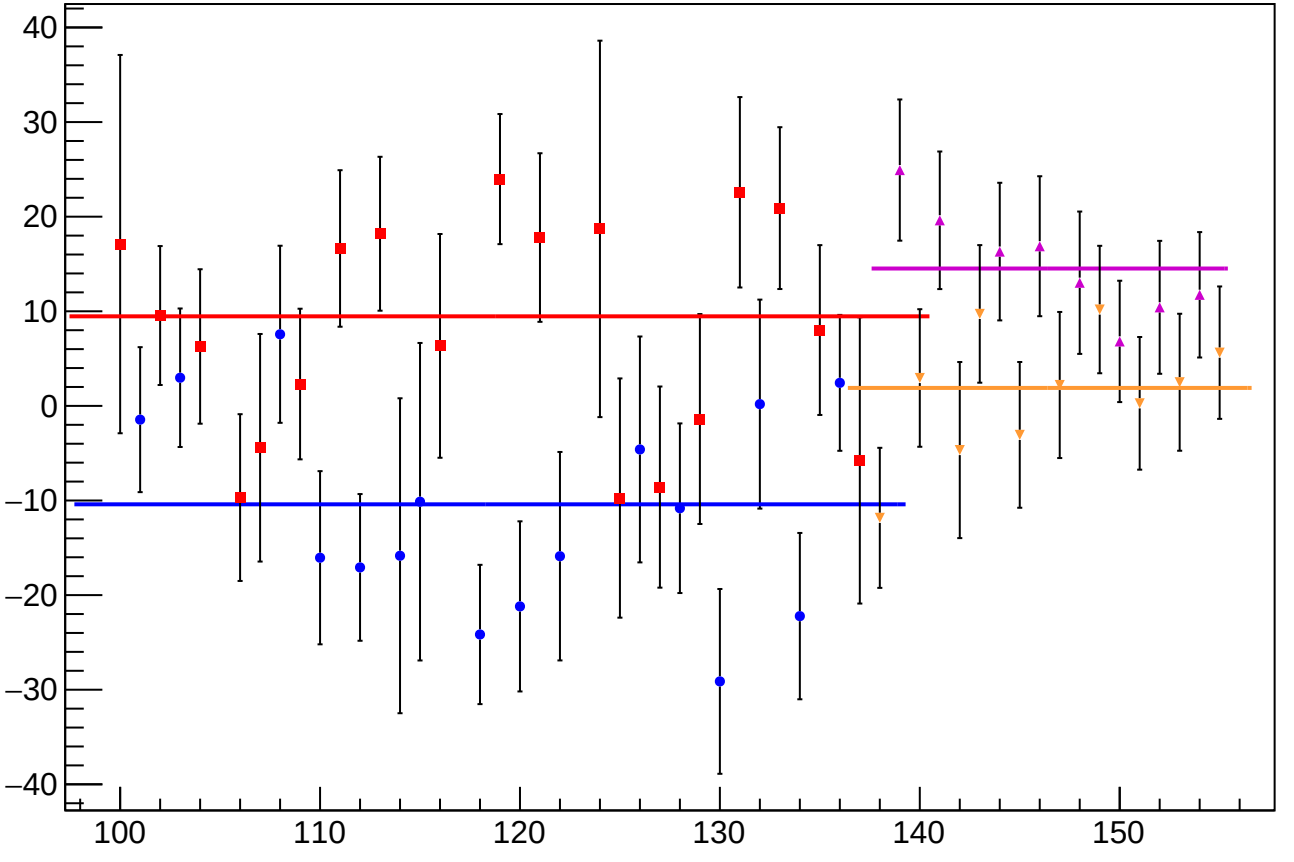
Left In: 1401.663+/-0.379 χ^2/NDF:266441.2/7

+ sign 1142.965+/-0.213 χ^2/NDF: 1417182.5/25

All: 1146.842+/-0.153 χ^2/NDF: 2688434.2/52

- sign 1150.912+/-0.219 χ^2/NDF: 1270574.7/26

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: 1.899+/-2.337 χ^2/NDF:7.4/9

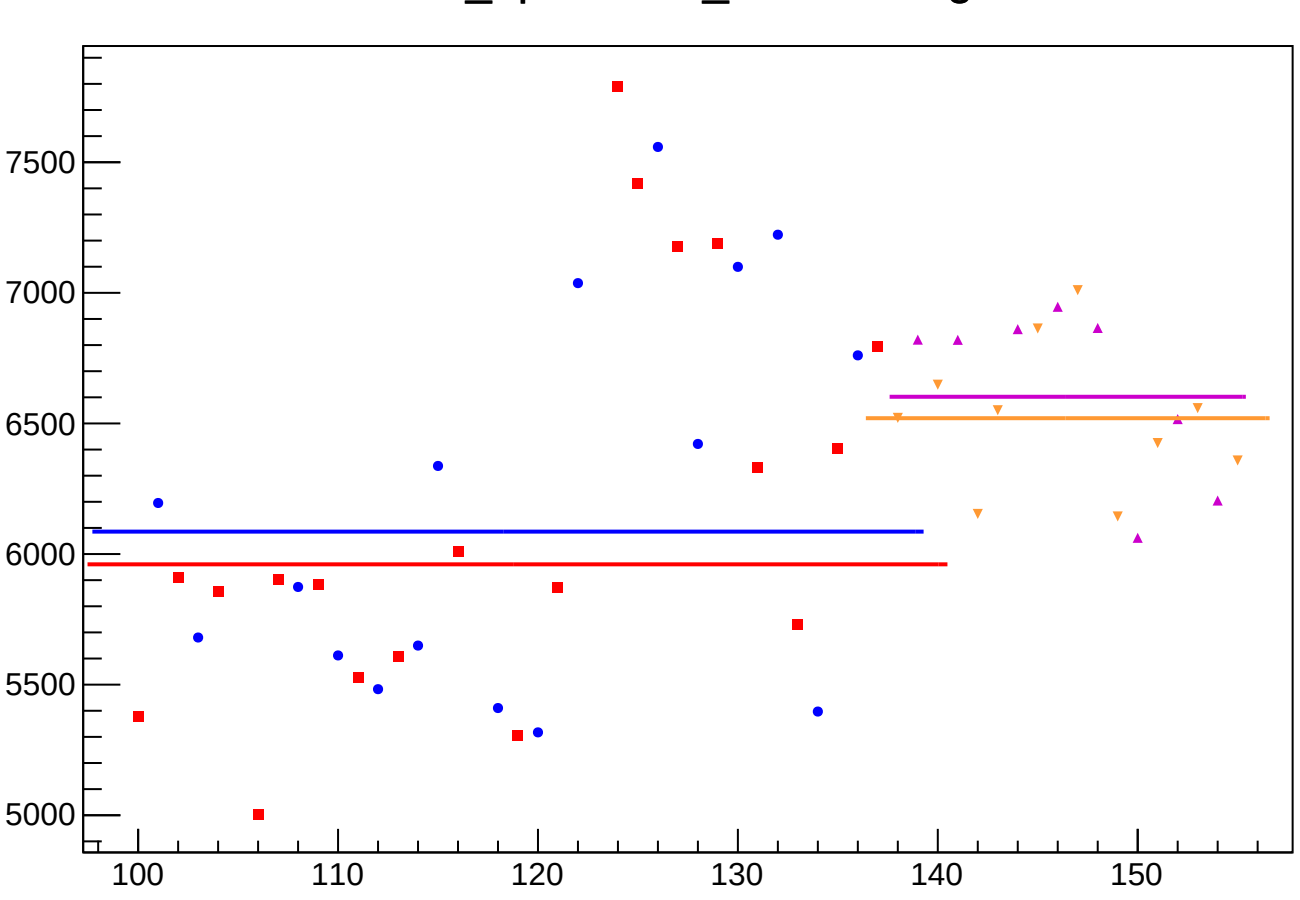
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 14.520+/-2.507 χ^2/NDF:4.6/7

+ sign -4.403+/-1.632 χ^2/NDF: 46.2/25

All: 3.538+/-1.160 χ^2/NDF: 126.4/52

- sign 11.655+/-1.650 χ^2/NDF: 32.3/26



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6520.079+/-1.652 χ^2/NDF:23528.6/9

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

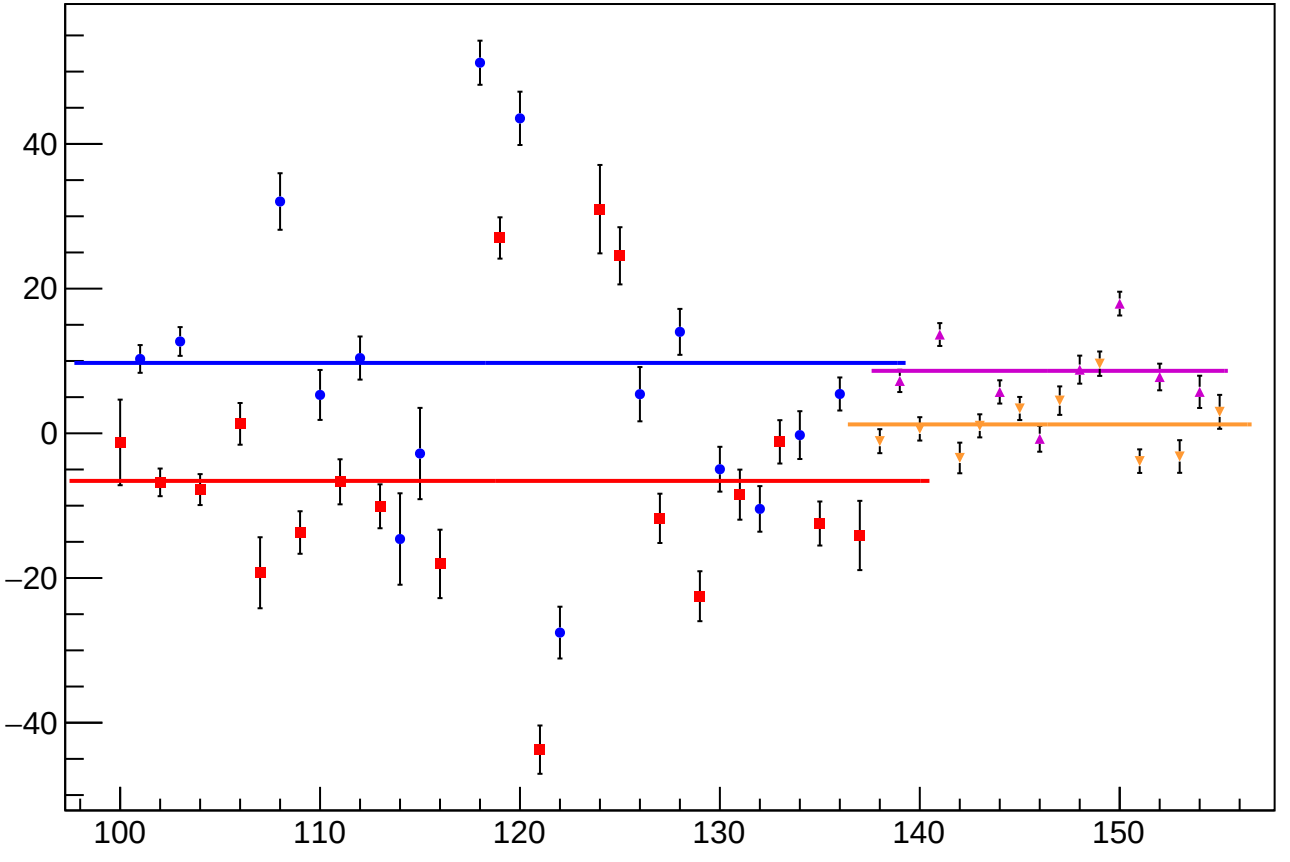
Left In: 6602.136+/-1.773 χ^2/NDF:34498.0/7

+ sign 6297.647+/-1.154 χ^2/NDF: 238024.6/25

All: 6268.322+/-0.820 χ^2/NDF: 510839.6/52

- sign 6238.349+/-1.167 χ^2/NDF: 271509.1/26

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.232+/-0.566 χ^2/NDF:50.5/9

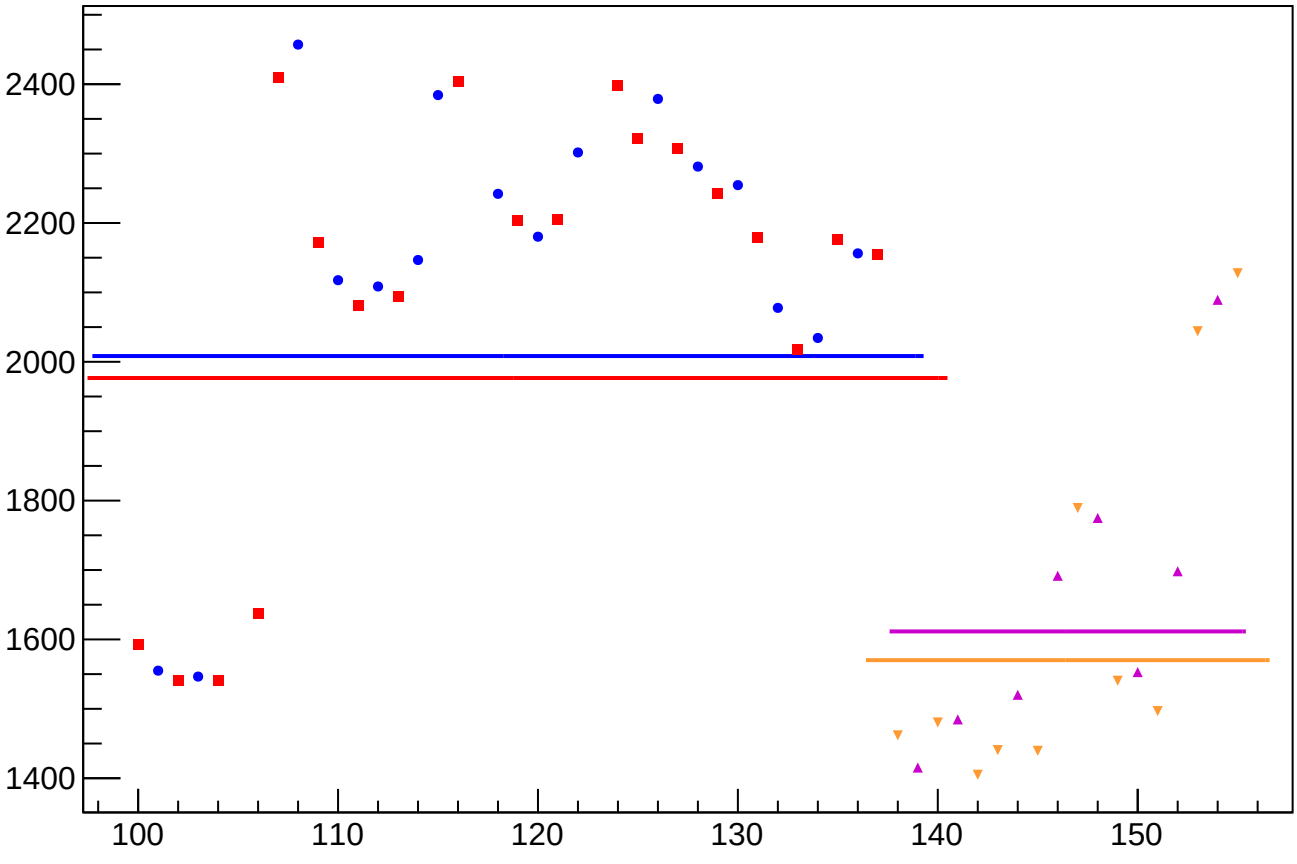
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 8.637+/-0.614 χ^2/NDF:75.8/7

+ sign 4.293+/-0.453 χ^2/NDF: 644.0/25

All: 3.353+/-0.326 χ^2/NDF: 1406.9/52

- sign 2.342+/-0.470 χ^2/NDF: 753.9/26



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1570.130+/-0.400 χ^2/NDF:284001.1/9

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

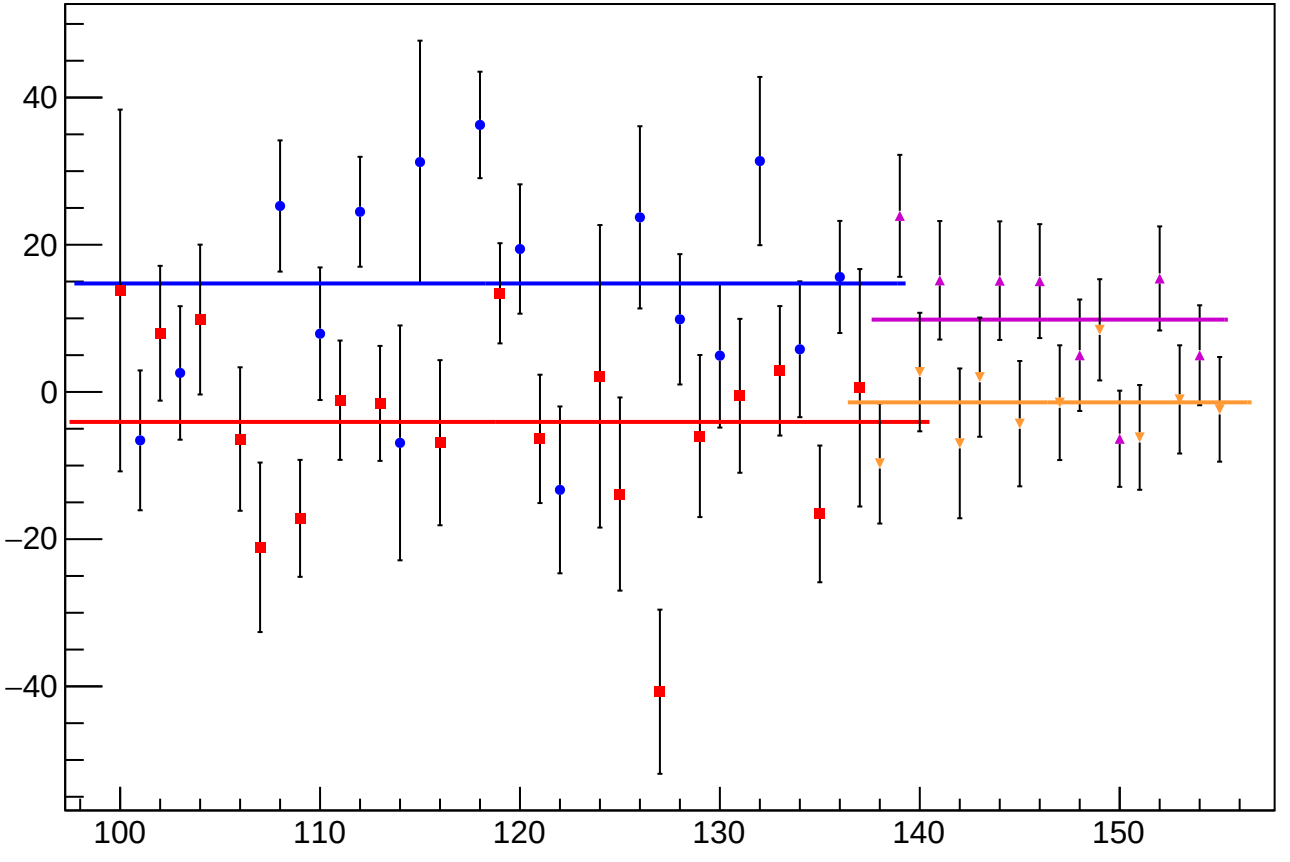
Left In: 1611.503+/-0.434 χ^2/NDF:168991.5/7

+ sign 1727.884+/-0.320 χ^2/NDF: 1059568.3/25

All: 1744.610+/-0.231 χ^2/NDF: 1892726.4/52

- sign 1762.600+/-0.332 χ^2/NDF: 827498.4/26

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -1.413+/-2.464 χ^2/NDF:4.4/9

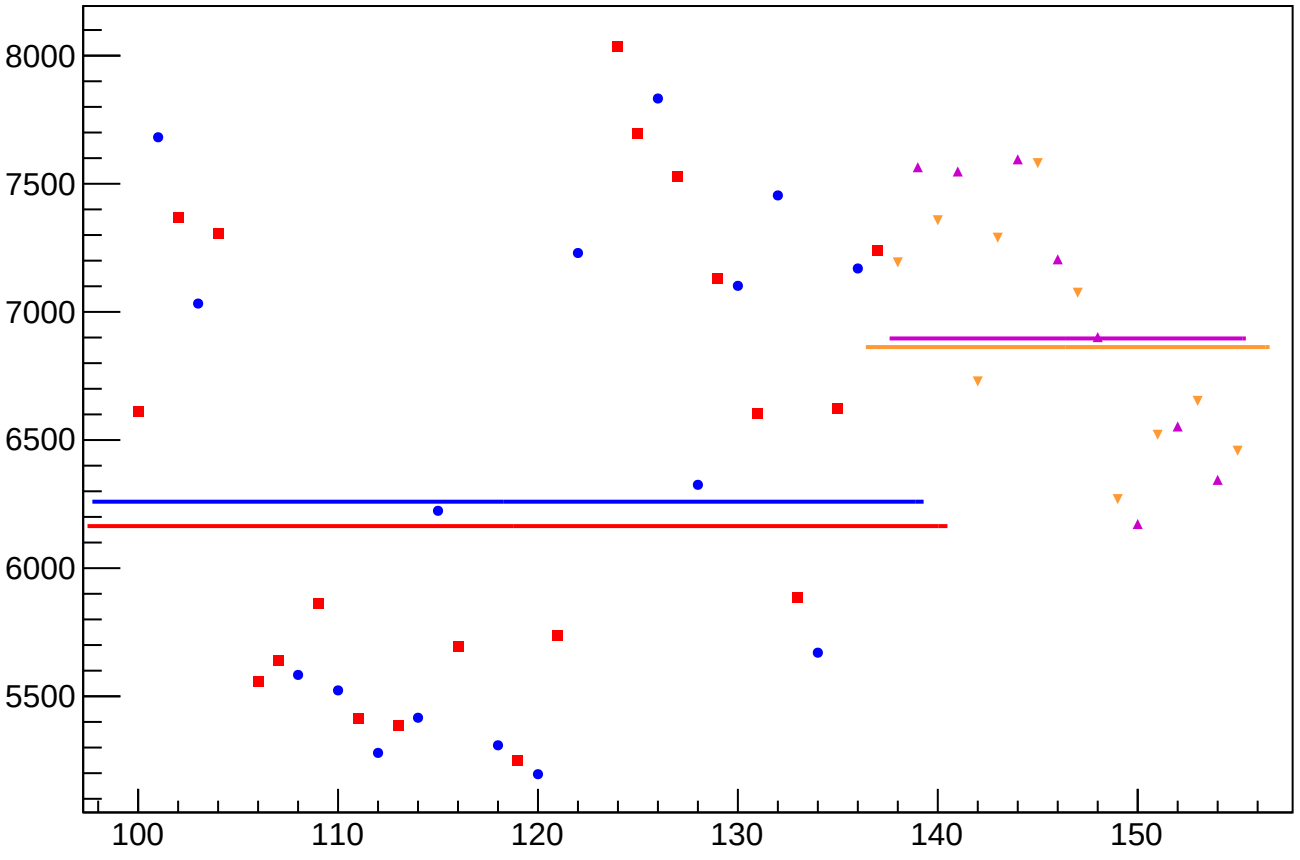
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 9.827+/-2.629 χ^2/NDF:11.9/7

+ sign 7.018+/-1.703 χ^2/NDF: 60.4/25

All: 4.472+/-1.210 χ^2/NDF: 122.9/52

- sign 1.875+/-1.720 χ^2/NDF: 58.1/26



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6862.762+/-1.742 χ^2/NDF:60036.4/9

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

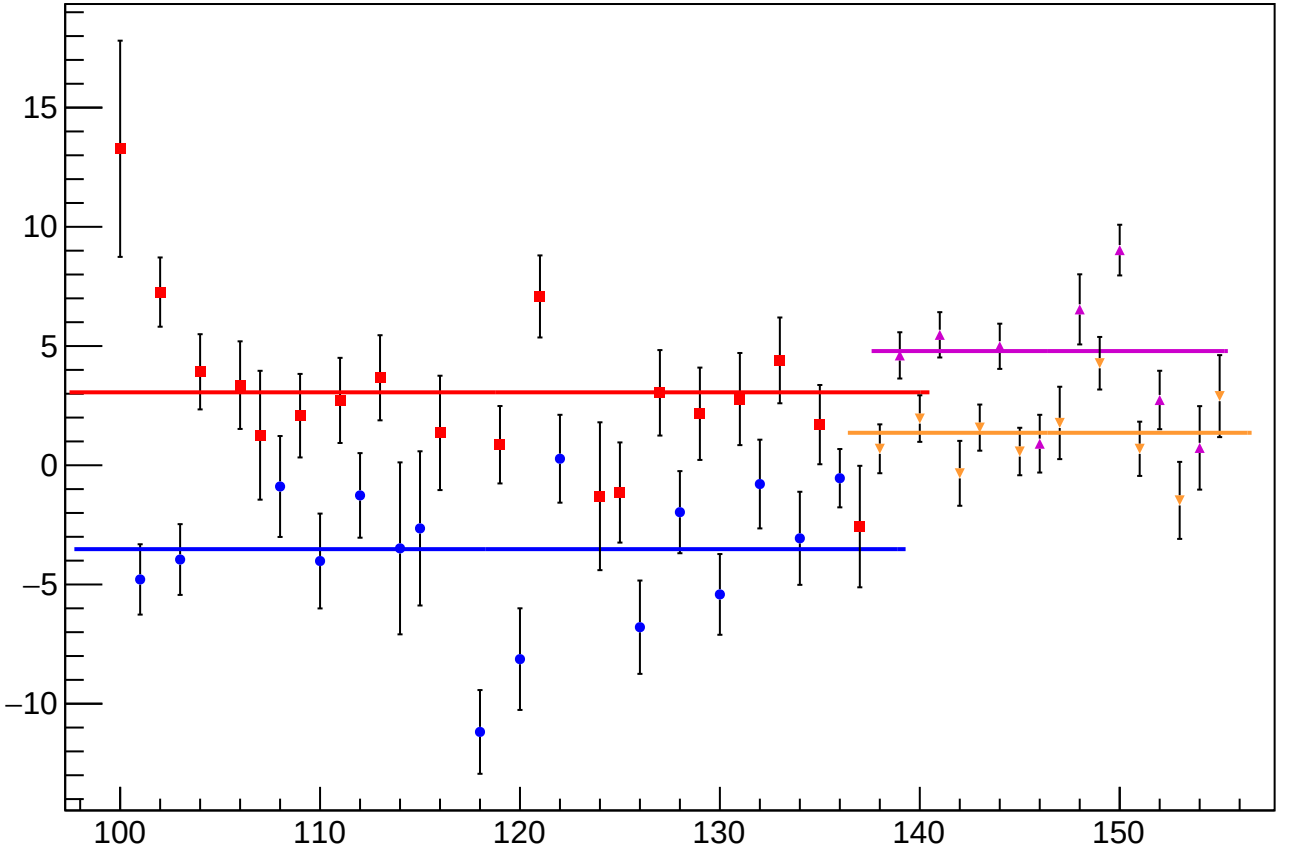
Left In: 6896.409+/-1.859 χ^2/NDF:86833.6/7

+ sign 6547.811+/-1.204 χ^2/NDF: 431251.8/25

All: 6512.971+/-0.856 χ^2/NDF: 873588.9/52

- sign 6477.454+/-1.216 χ^2/NDF: 440647.6/26

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.362+/-0.368 χ^2/NDF:14.3/9

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

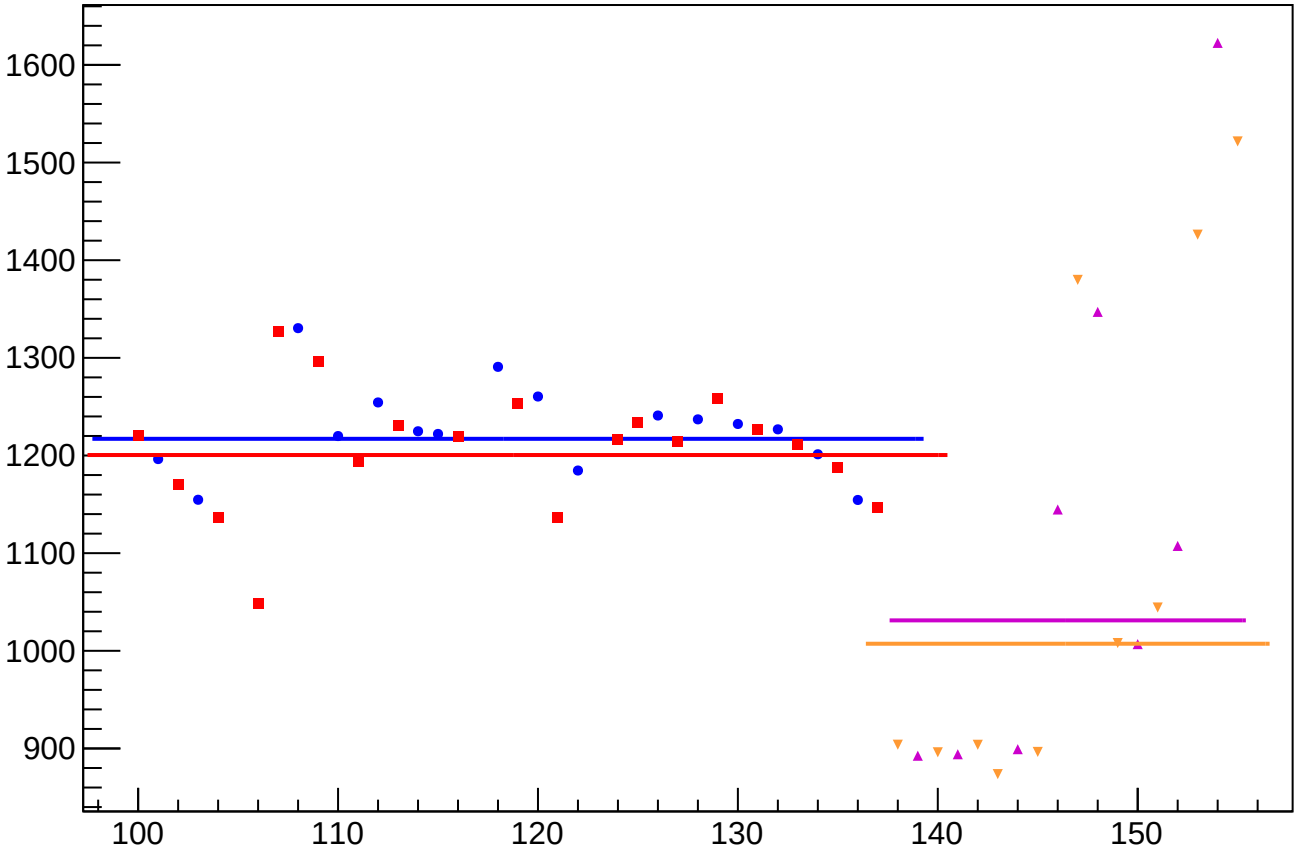
Left In: 4.790+/-0.398 χ^2/NDF:36.3/7

+ sign -0.583+/-0.286 χ^2/NDF: 129.4/25

All: 1.640+/-0.205 χ^2/NDF: 334.1/52

- sign 4.007+/-0.295 χ^2/NDF: 79.7/26

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1007.254+/-0.260 χ^2/NDF:556997.1/9

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

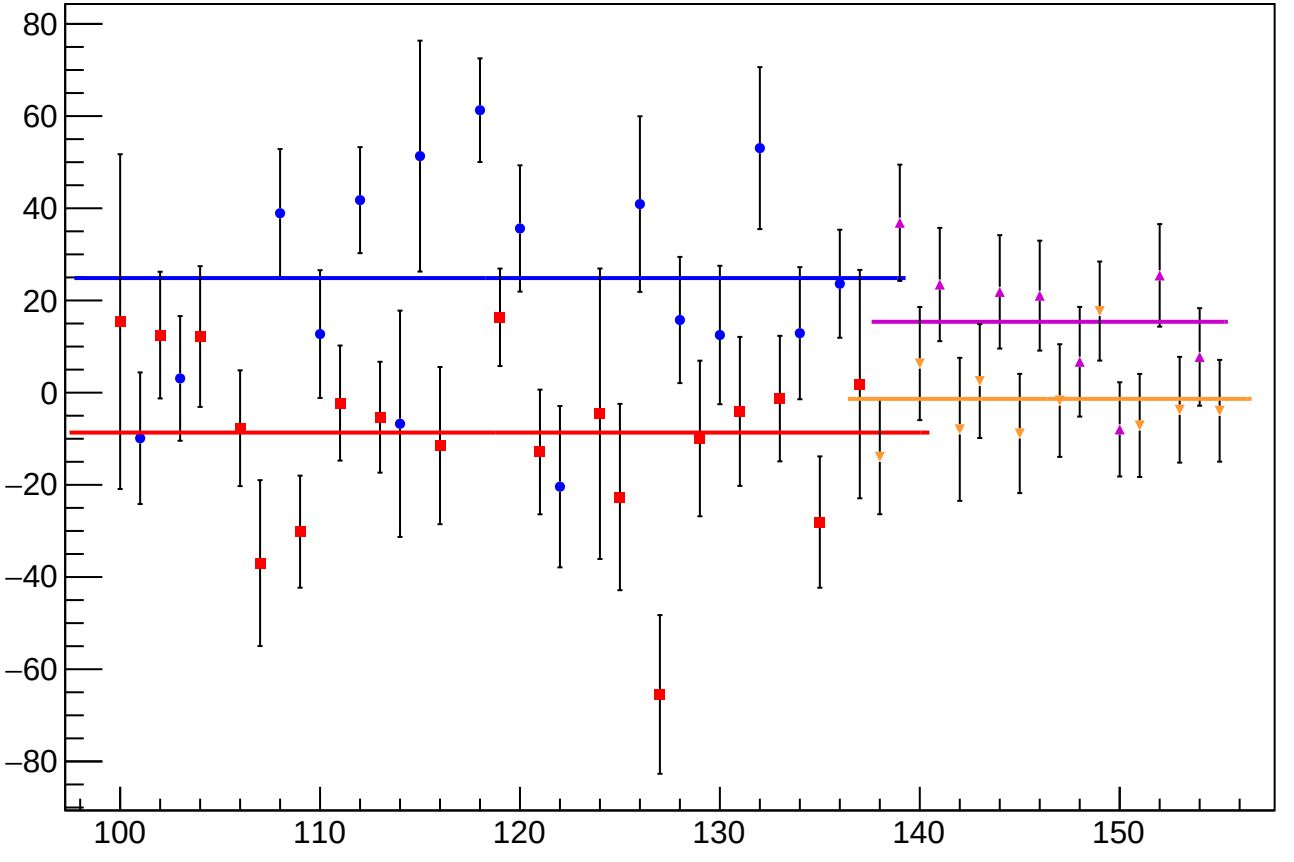
Left In: 1031.173+/-0.282 χ^2/NDF:468009.0/7

+ sign 1090.901+/-0.202 χ^2/NDF: 837439.0/25

All: 1099.058+/-0.145 χ^2/NDF: 1509940.6/52

- sign 1107.746+/-0.208 χ^2/NDF: 669133.1/26

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -1.344+/-3.809 χ^2/NDF:5.5/9

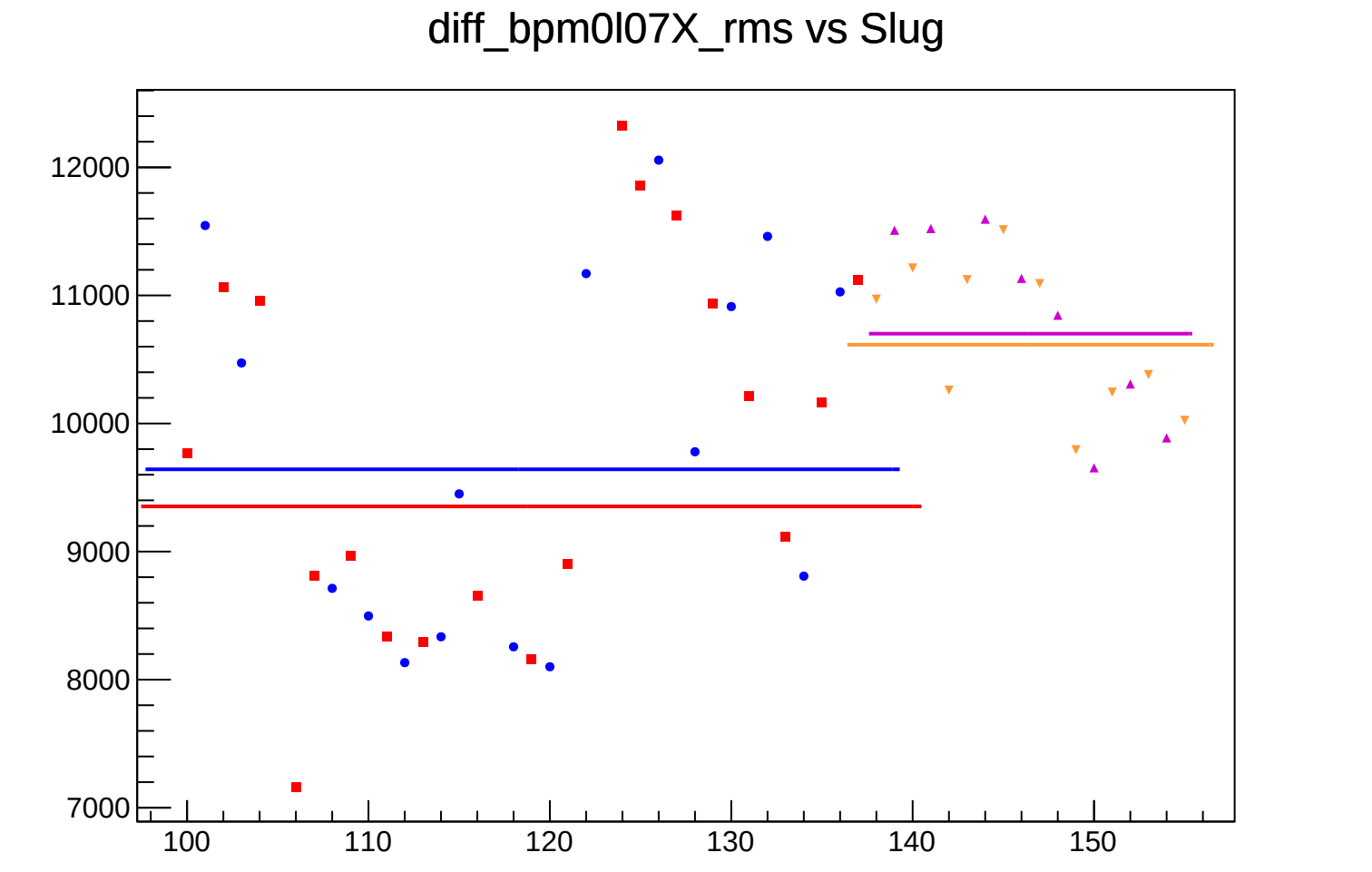
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 15.376+/-4.076 χ^2/NDF:10.9/7

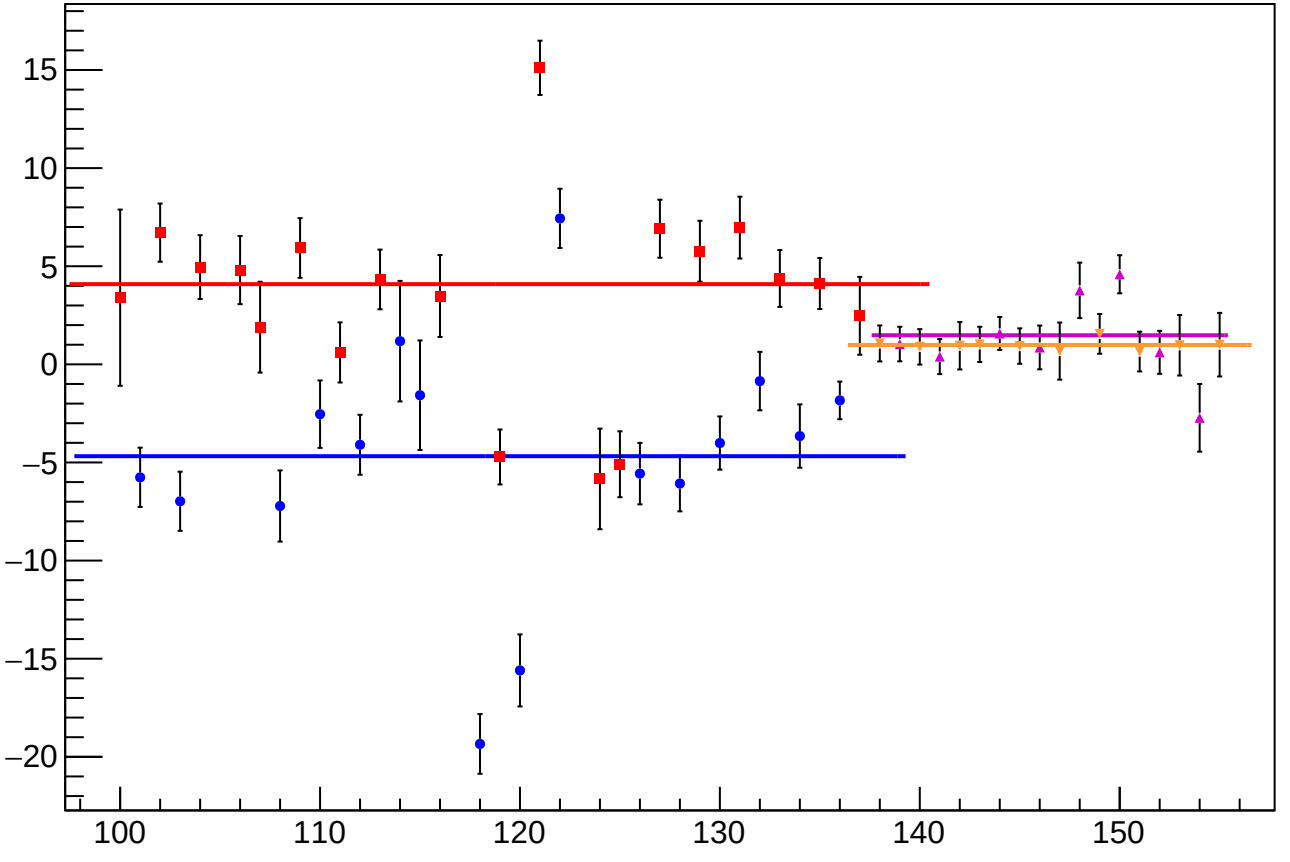
+ sign 12.396+/-2.627 χ^2/NDF: 68.5/25

All: 6.908+/-1.860 χ^2/NDF: 138.5/52

- sign 1.387+/-2.635 χ^2/NDF: 61.3/26


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 10615.089+/-2.693 χ²/NDF:43906.4/9
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 10701.300+/-2.882 χ²/NDF:65935.1/7
+ sign 10104.910+/-1.858 χ²/NDF: 391994.4/25
All: 10010.864+/-1.315 χ²/NDF: 892346.4/52
- sign 9916.256+/-1.863 χ²/NDF: 495210.3/26

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.986+/-0.337 χ^2/NDF:0.5/9

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

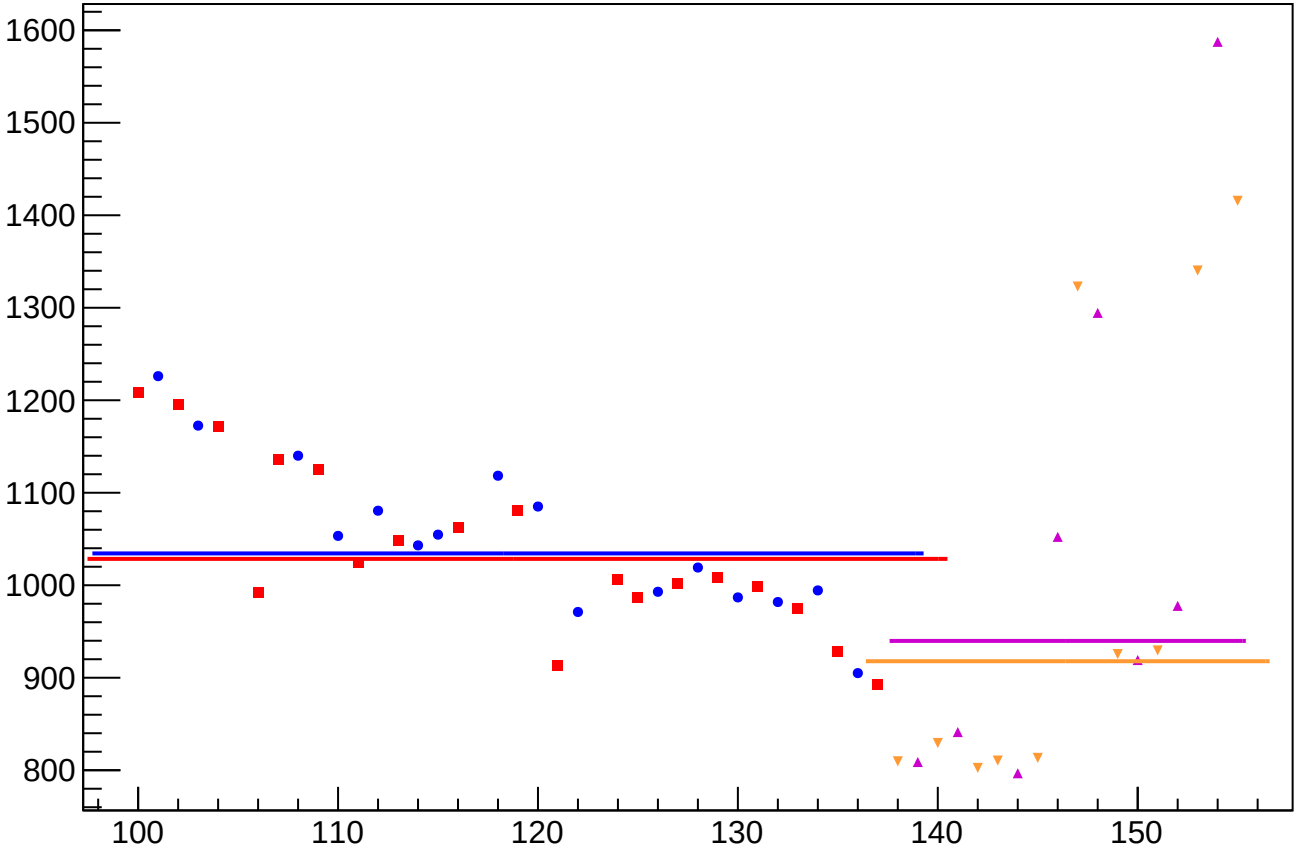
Left In: 1.483+/-0.365 χ^2/NDF:21.5/7

\+ sign -1.468+/-0.254 χ^2/NDF: 344.0/25

All: 0.572+/-0.182 χ^2/NDF: 691.6/52

\- sign 2.746+/-0.262 χ^2/NDF: 214.2/26

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 917.851+/-0.238 χ^2/NDF:615175.1/9

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

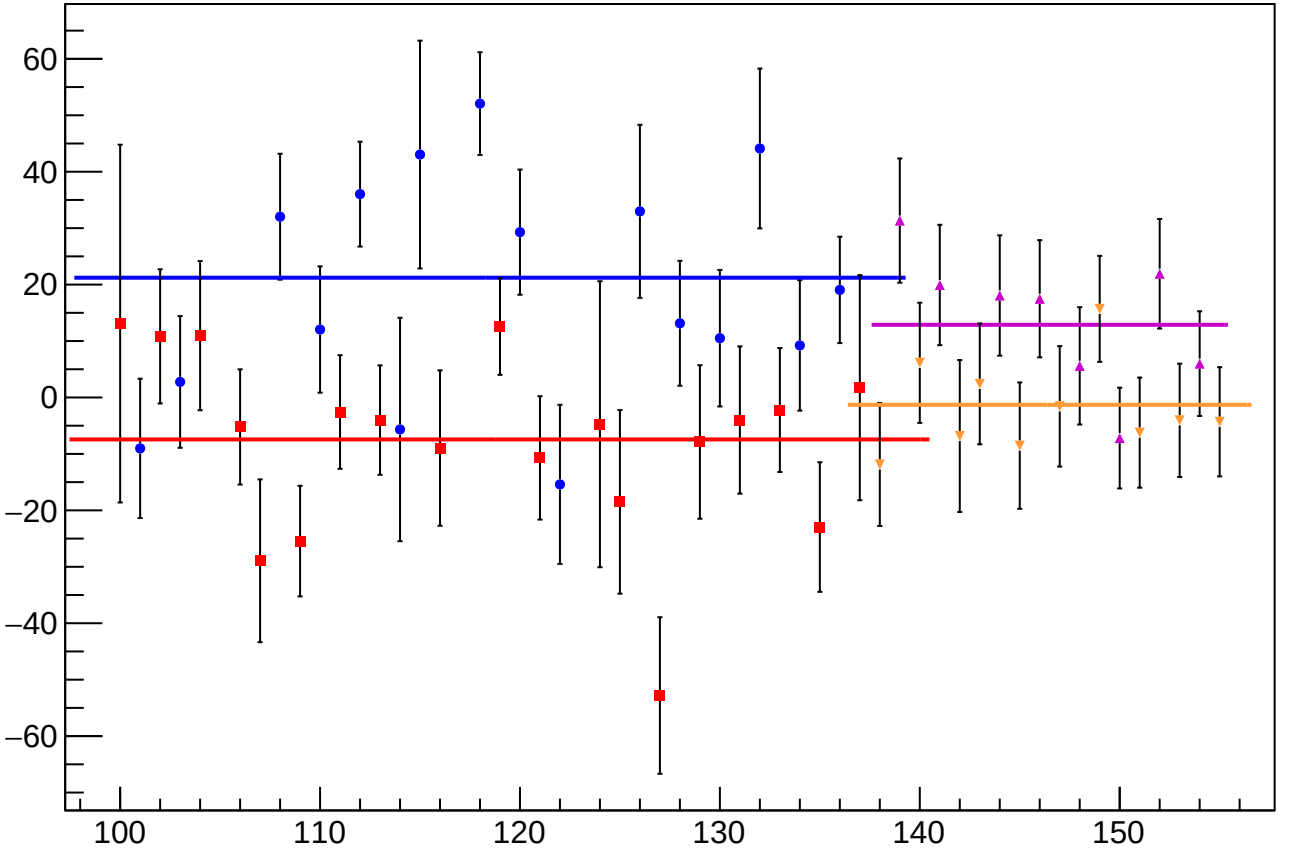
Left In: 939.809+/-0.258 χ^2/NDF:558501.8/7

+ sign 968.333+/-0.180 χ^2/NDF: 831935.6/25

All: 975.347+/-0.129 χ^2/NDF: 1552410.2/52

- sign 982.822+/-0.185 χ^2/NDF: 717321.5/26

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -1.299+/-3.321 χ^2/NDF:5.8/9

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

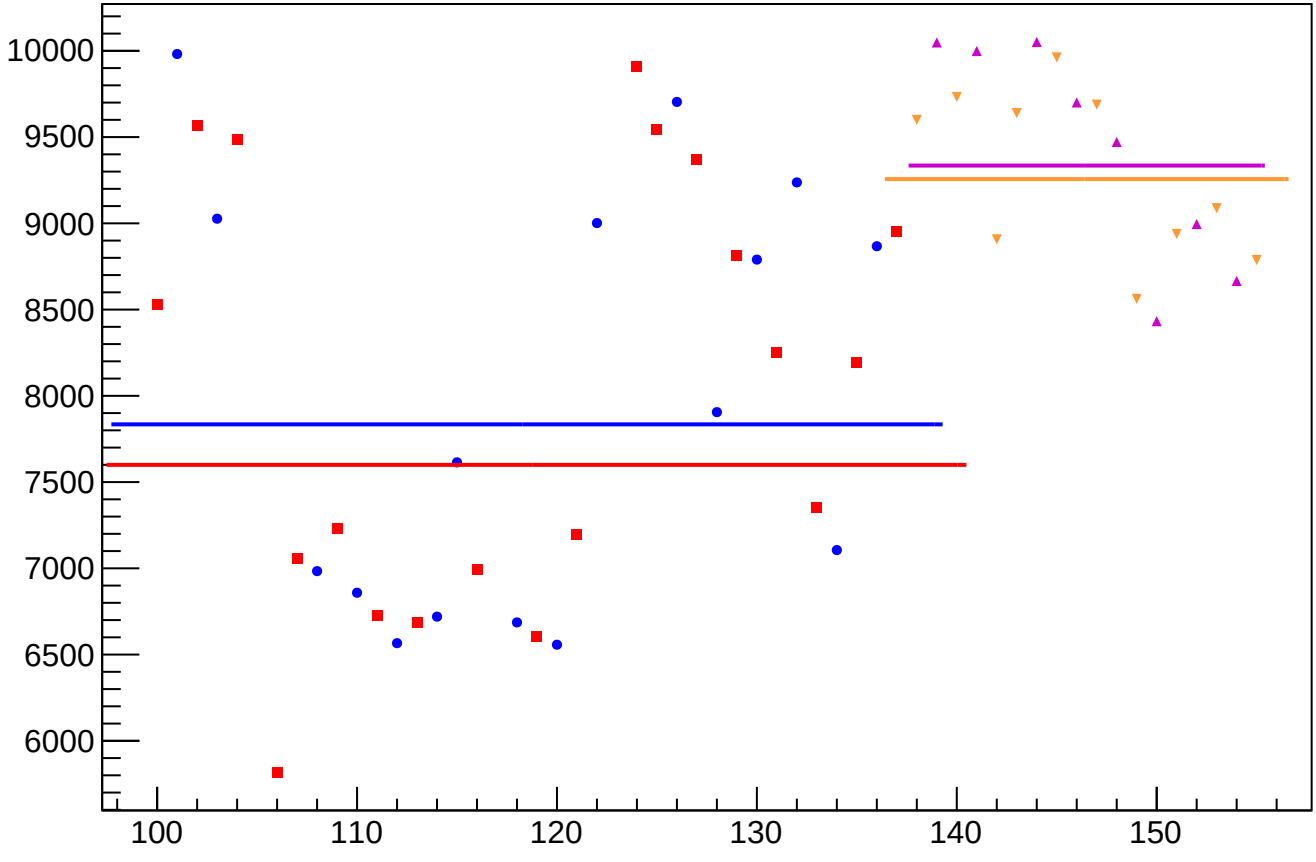
Left In: 12.873+/-3.554 χ^2/NDF:10.6/7

+ sign 11.282+/-2.206 χ^2/NDF: 71.6/25

All: 5.825+/-1.559 χ^2/NDF: 144.4/52

- sign 0.378+/-2.204 χ^2/NDF: 60.5/26

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9256.684+/-2.348 χ^2/NDF:39419.1/9

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

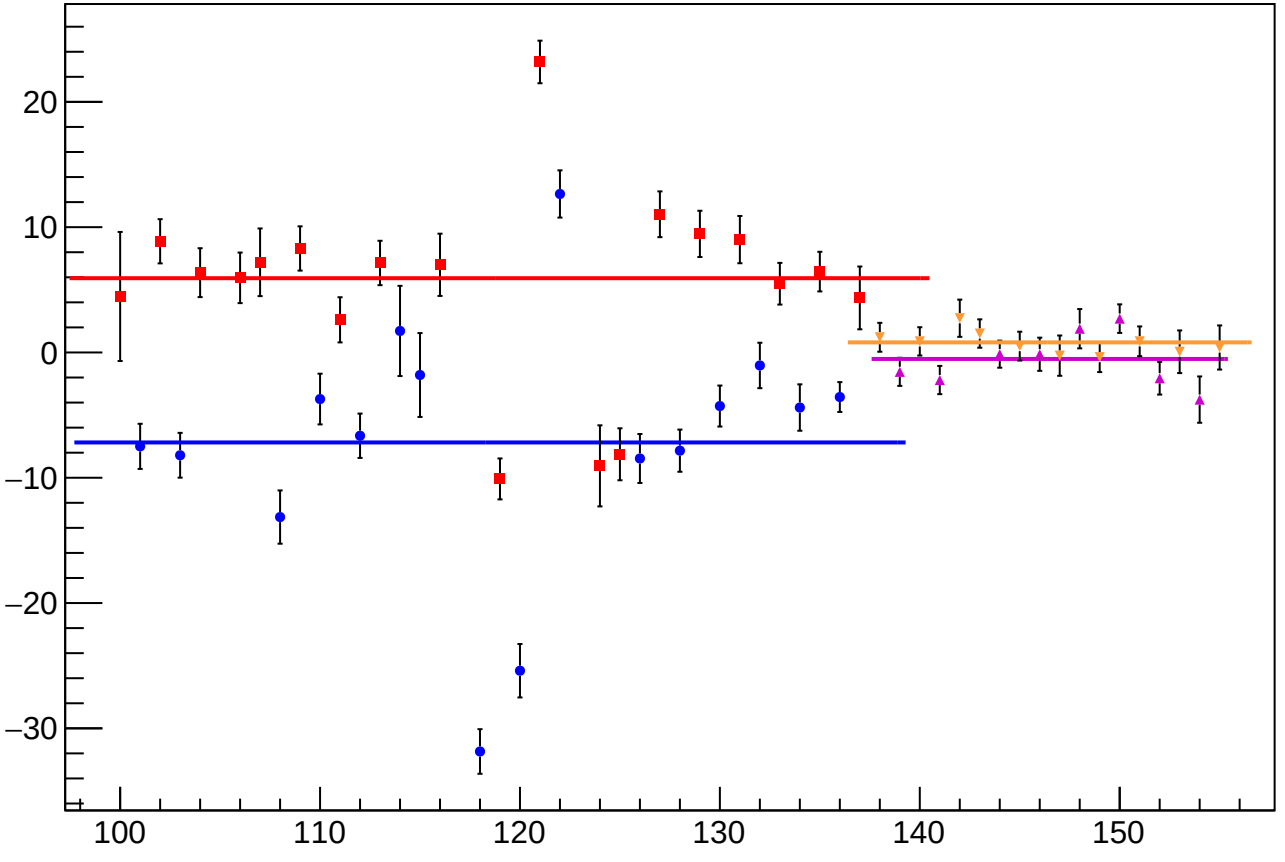
Left In: 9334.919+/-2.513 χ^2/NDF:61305.3/7

+ sign 8462.249+/-1.560 χ^2/NDF: 562379.7/25

All: 8364.692+/-1.103 χ^2/NDF: 1269121.7/52

- sign 8267.299+/-1.559 χ^2/NDF: 698927.5/26

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.805+/-0.409 χ^2/NDF:3.9/9

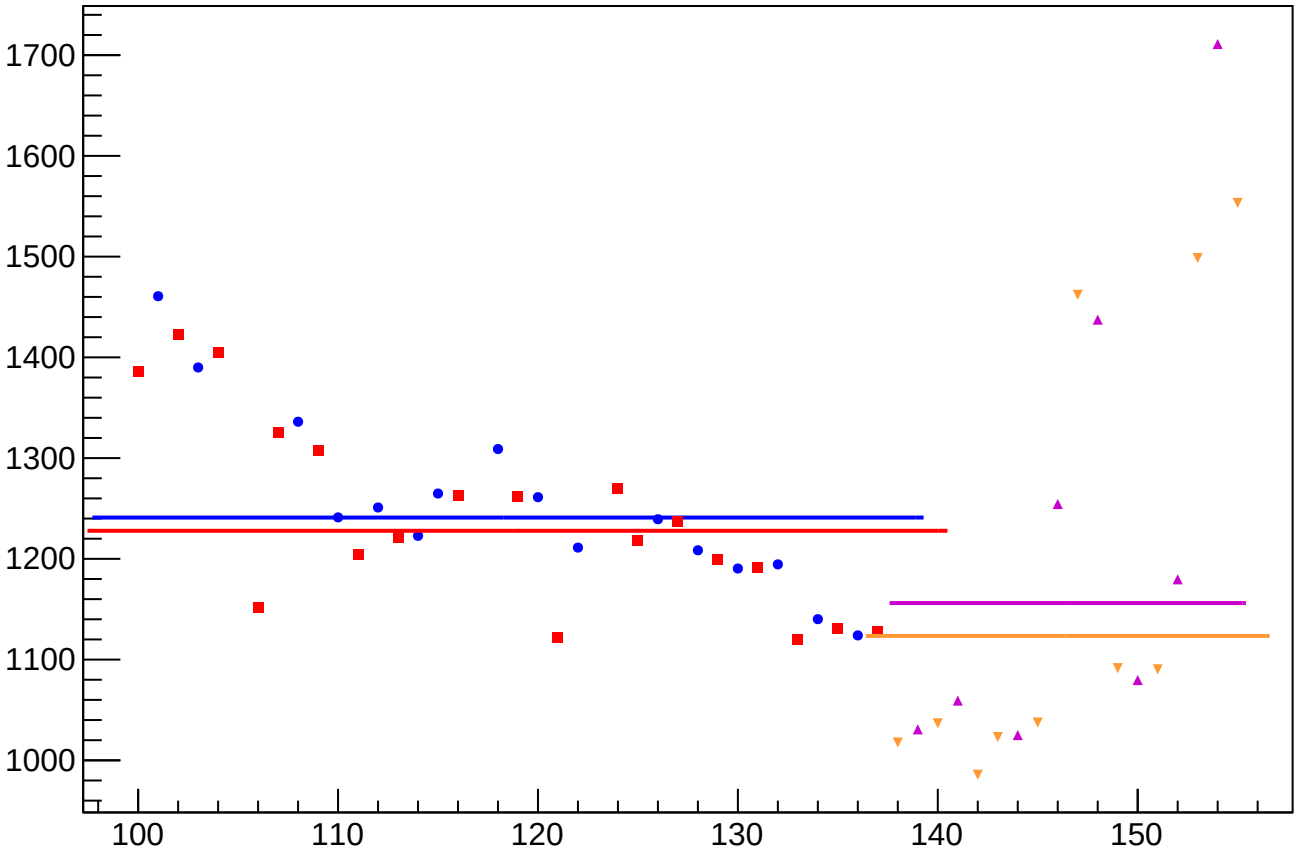
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -0.518+/-0.444 χ^2/NDF:18.1/7

+ sign -2.699+/-0.306 χ^2/NDF: 593.7/25

All: -0.098+/-0.220 χ^2/NDF: 1155.2/52

- sign 2.670+/-0.316 χ^2/NDF: 412.5/26



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1123.490+/-0.289 χ^2/NDF:380648.8/9

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

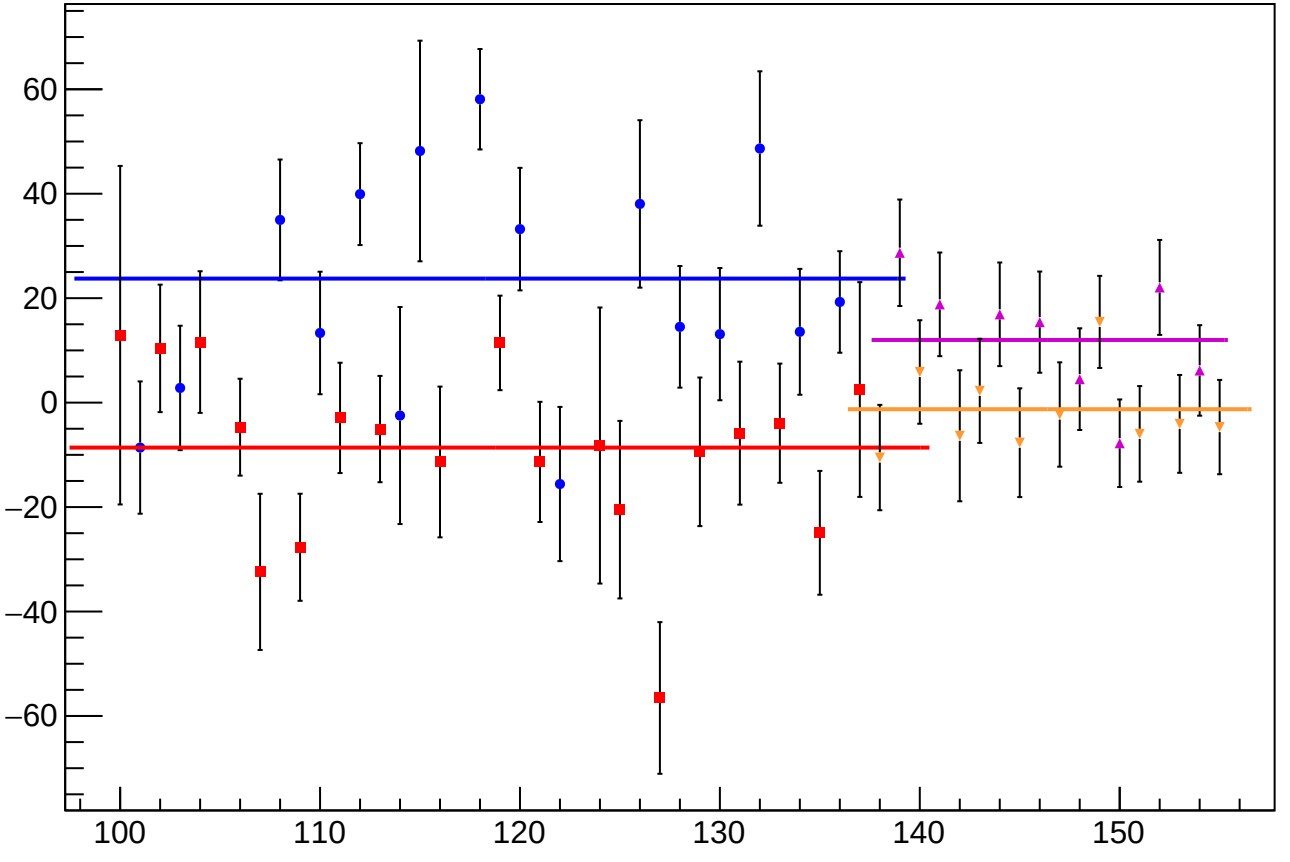
Left In: 1156.122+/-0.314 χ^2/NDF:334467.0/7

+ sign 1175.038+/-0.217 χ^2/NDF: 533839.9/25

All: 1183.064+/-0.155 χ^2/NDF: 979269.6/52

- sign 1191.607+/-0.223 χ^2/NDF: 442592.8/26

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -1.260+/-3.099 χ^2/NDF:6.1/9

Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

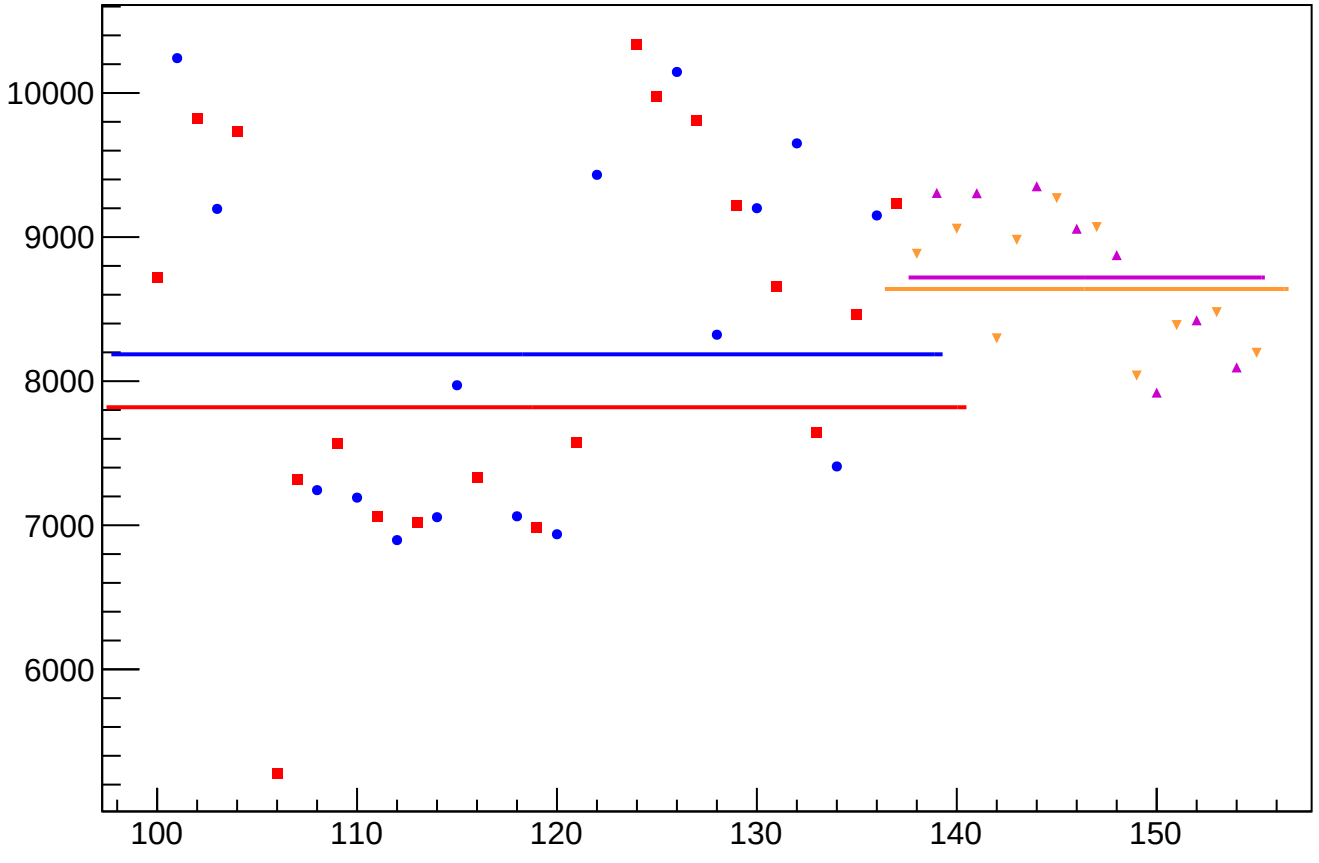
Left In: 11.996+/-3.319 χ^2/NDF:11.4/7

+ sign 11.317+/-2.185 χ^2/NDF: 82.3/25

All: 5.808+/-1.544 χ^2/NDF: 158.7/52

- sign 0.309+/-2.183 χ^2/NDF: 63.7/26

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8640.052+/-2.191 χ^2/NDF:35785.2/9

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

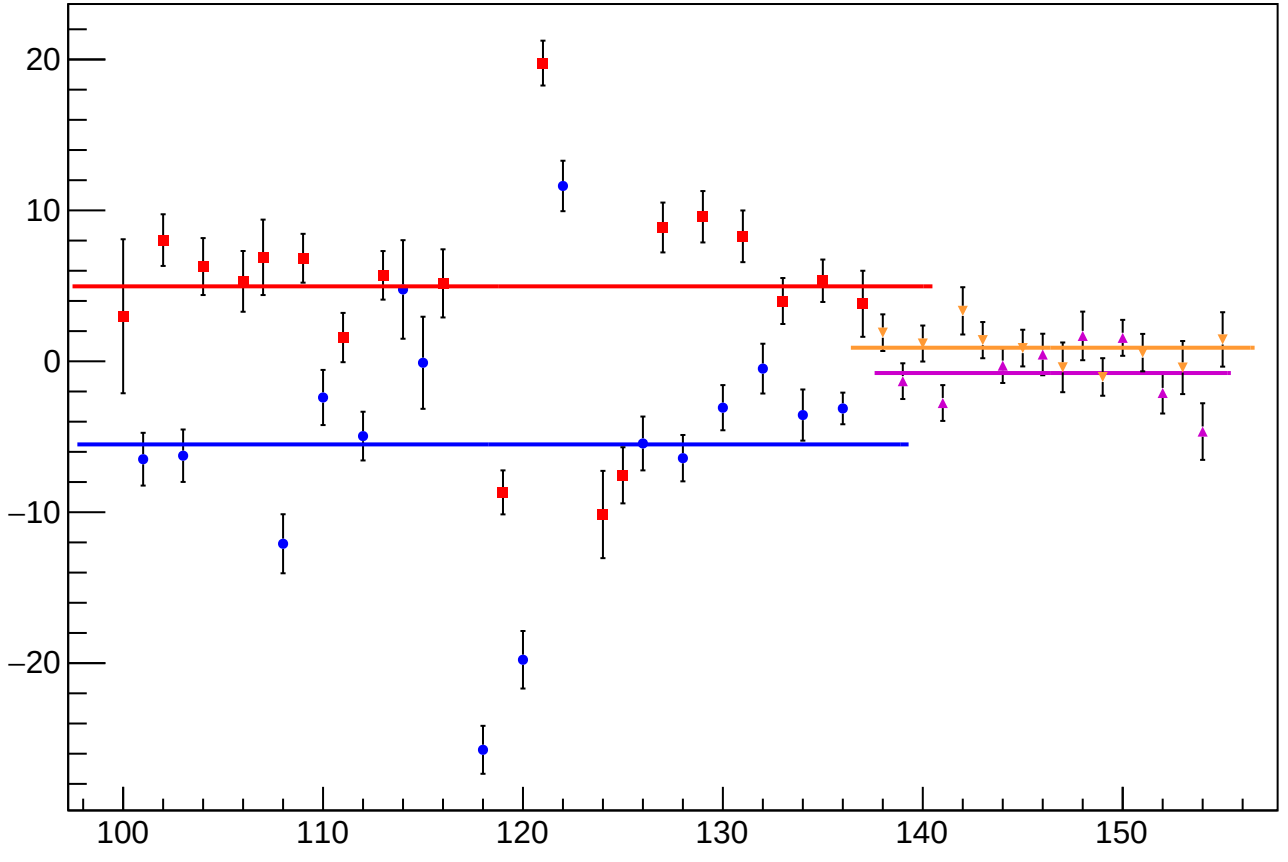
Left In: 8719.632+/-2.347 χ^2/NDF:55355.4/7

+ sign 8411.904+/-1.545 χ^2/NDF: 347967.7/25

All: 8310.260+/-1.092 χ^2/NDF: 918521.9/52

- sign 8208.786+/-1.544 χ^2/NDF: 561906.3/26

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.900+/-0.428 χ^2/NDF:7.1/9

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

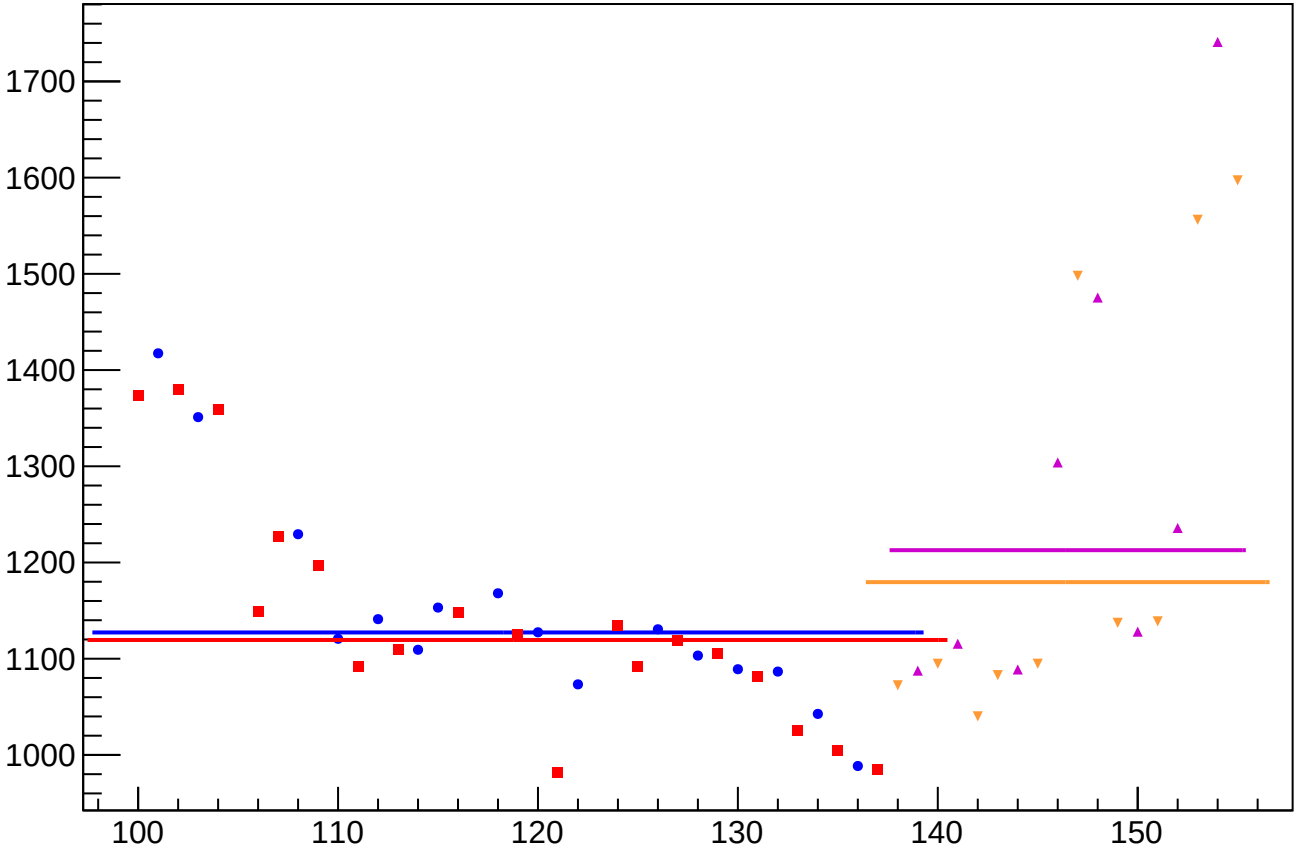
Left In: -0.776+/-0.465 χ^2/NDF:15.4/7

+ sign -2.358+/-0.300 χ^2/NDF: 490.8/25

All: -0.012+/-0.215 χ^2/NDF: 1004.5/52

- sign 2.453+/-0.308 χ^2/NDF: 388.4/26

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1179.603+/-0.303 χ^2/NDF:342524.5/9

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

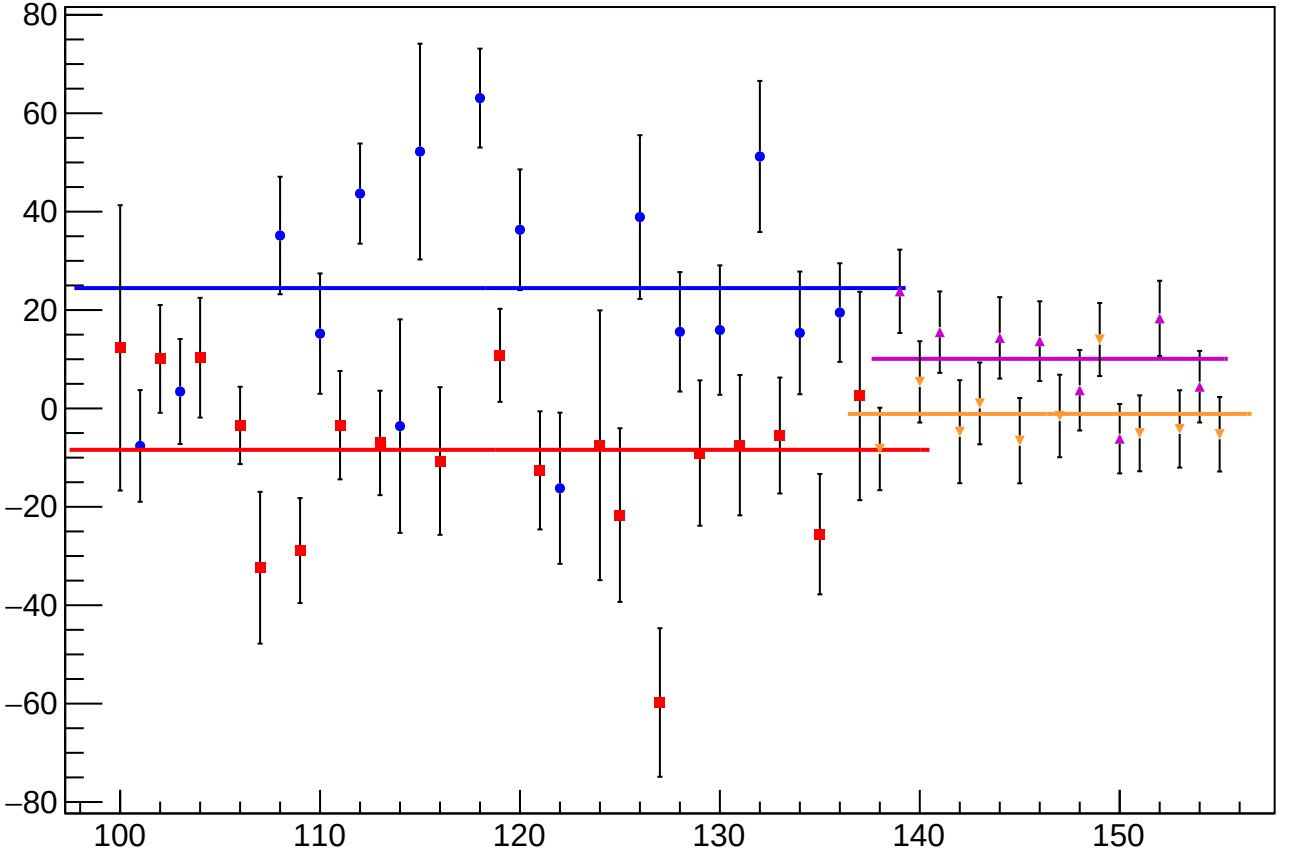
Left In: 1212.797+/-0.329 χ^2/NDF:290370.1/7

+ sign 1153.000+/-0.212 χ^2/NDF: 498326.7/25

All: 1156.574+/-0.152 χ^2/NDF: 975304.2/52

- sign 1160.330+/-0.218 χ^2/NDF: 476395.9/26

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -1.110+/-2.594 χ^2/NDF:6.8/9

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

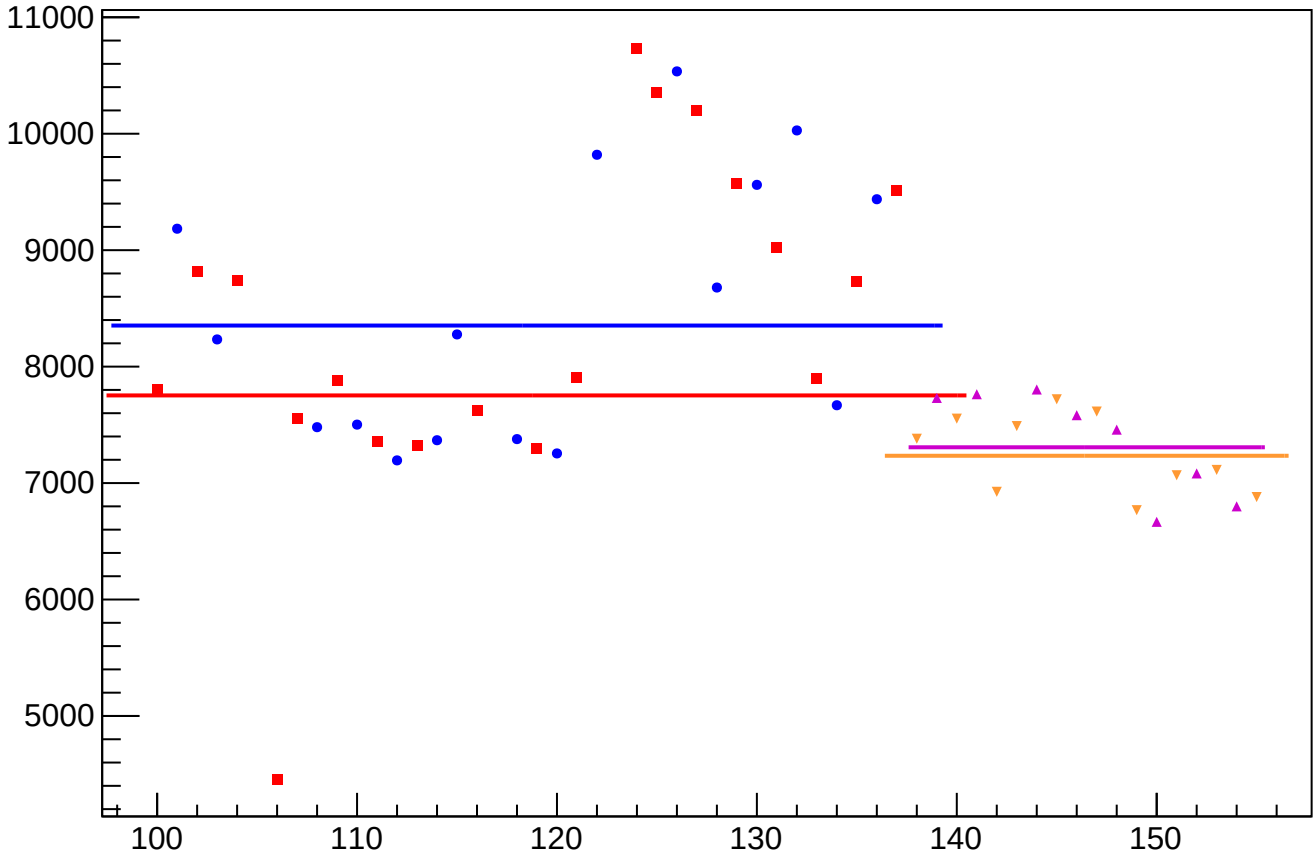
Left In: 10.083+/-2.780 χ^2/NDF:11.2/7

+ sign 9.280+/-1.999 χ^2/NDF: 94.6/25

All: 5.248+/-1.415 χ^2/NDF: 166.3/52

- sign 1.196+/-2.004 χ^2/NDF: 63.6/26

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7234.471+/-1.835 χ^2/NDF:31299.7/9

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

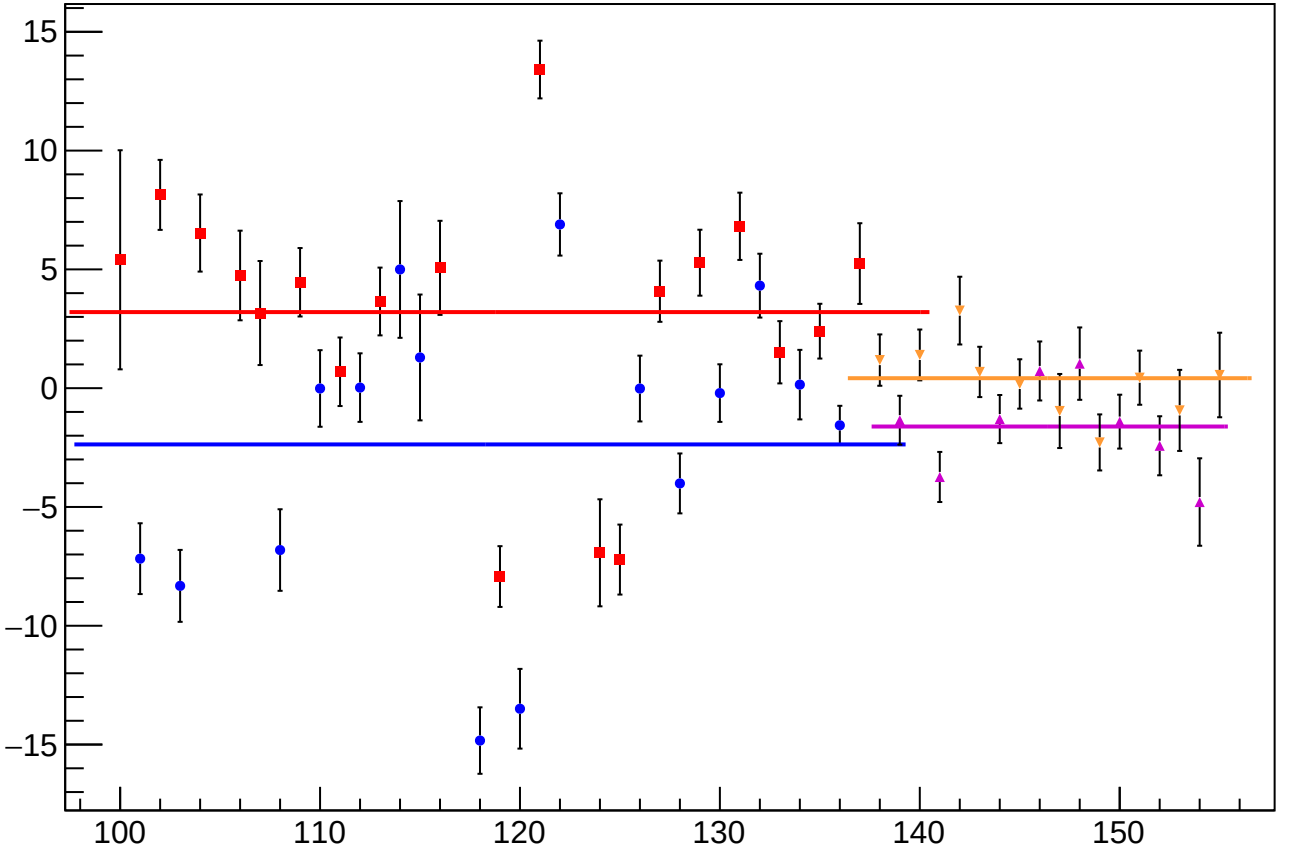
Left In: 7307.331+/-1.966 χ^2/NDF:49159.0/7

+ sign 7688.838+/-1.414 χ^2/NDF: 402687.9/25

All: 7605.275+/-1.001 χ^2/NDF: 1071582.7/52

- sign 7521.306+/-1.417 χ^2/NDF: 661888.4/26

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.420+/-0.389 χ^2/NDF:12.1/9

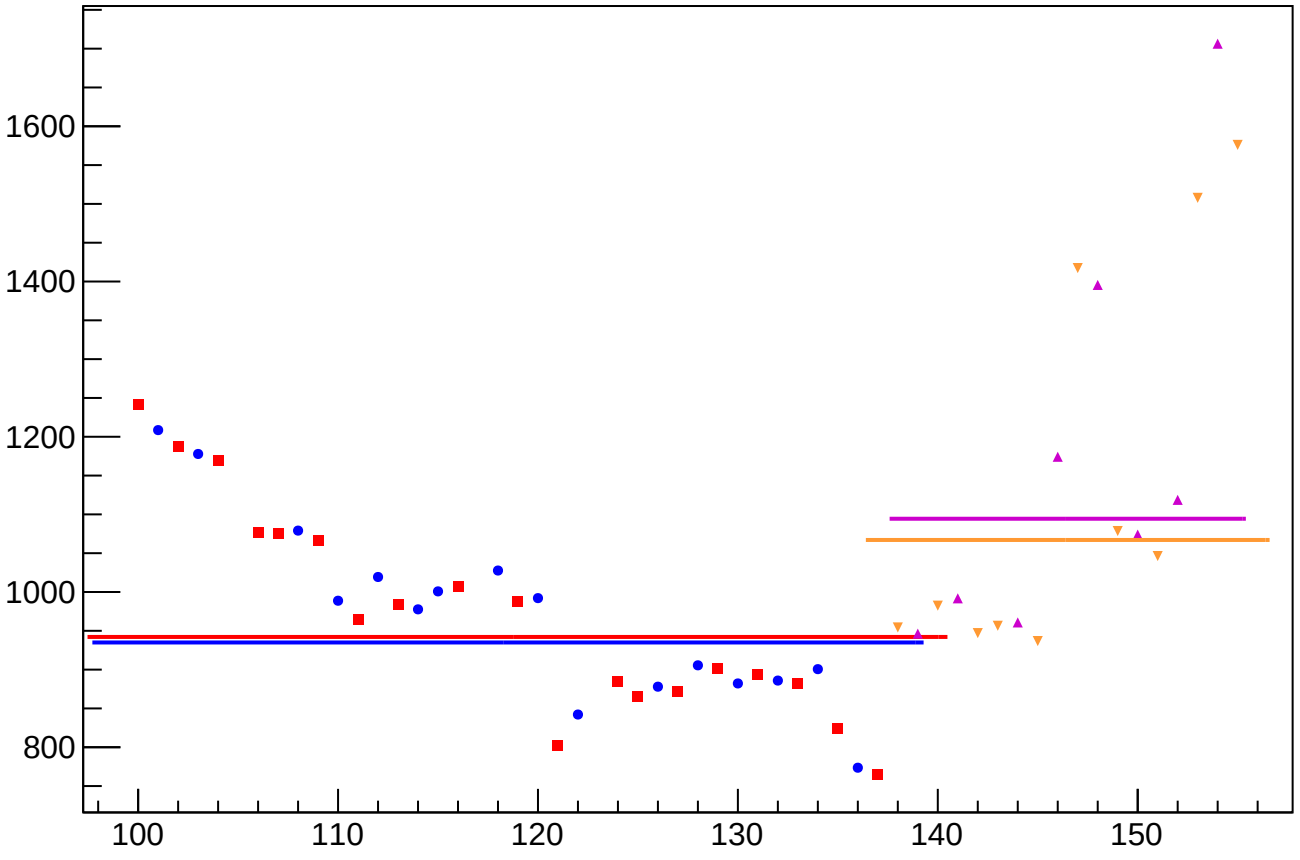
Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: -1.614+/-0.422 χ^2/NDF:14.2/7

+ sign -1.120+/-0.260 χ^2/NDF: 296.0/25

All: 0.039+/-0.187 χ^2/NDF: 679.3/52

- sign 1.263+/-0.268 χ^2/NDF: 342.6/26



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1067.040+/-0.275 χ^2/NDF:500494.9/9

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

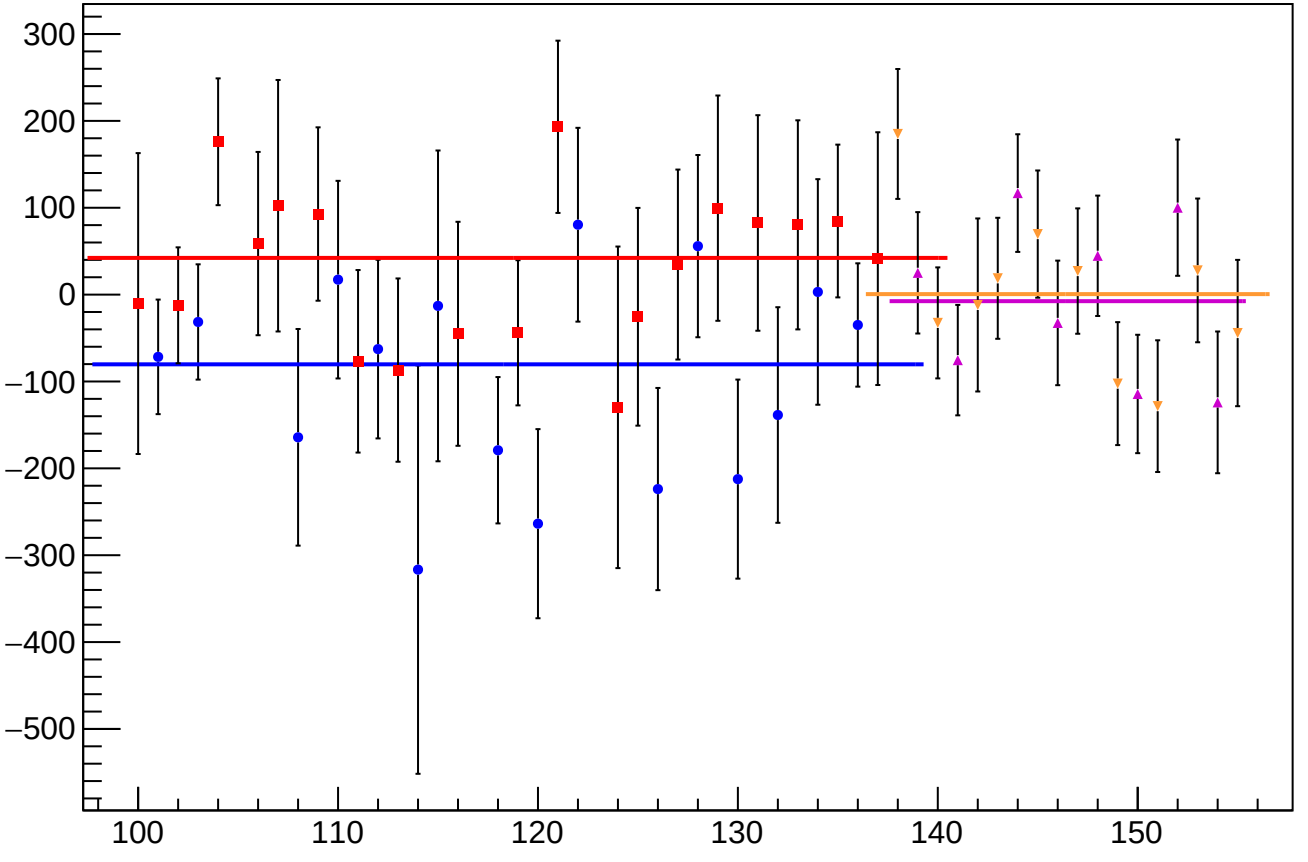
Left In: 1094.380+/-0.298 χ^2/NDF:404109.7/7

+ sign 994.088+/-0.184 χ^2/NDF: 881988.7/25

All: 998.622+/-0.132 χ^2/NDF: 1675457.7/52

- sign 1003.411+/-0.189 χ^2/NDF: 792222.9/26

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 0.579+/-23.771 χ^2/NDF:12.9/9

Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

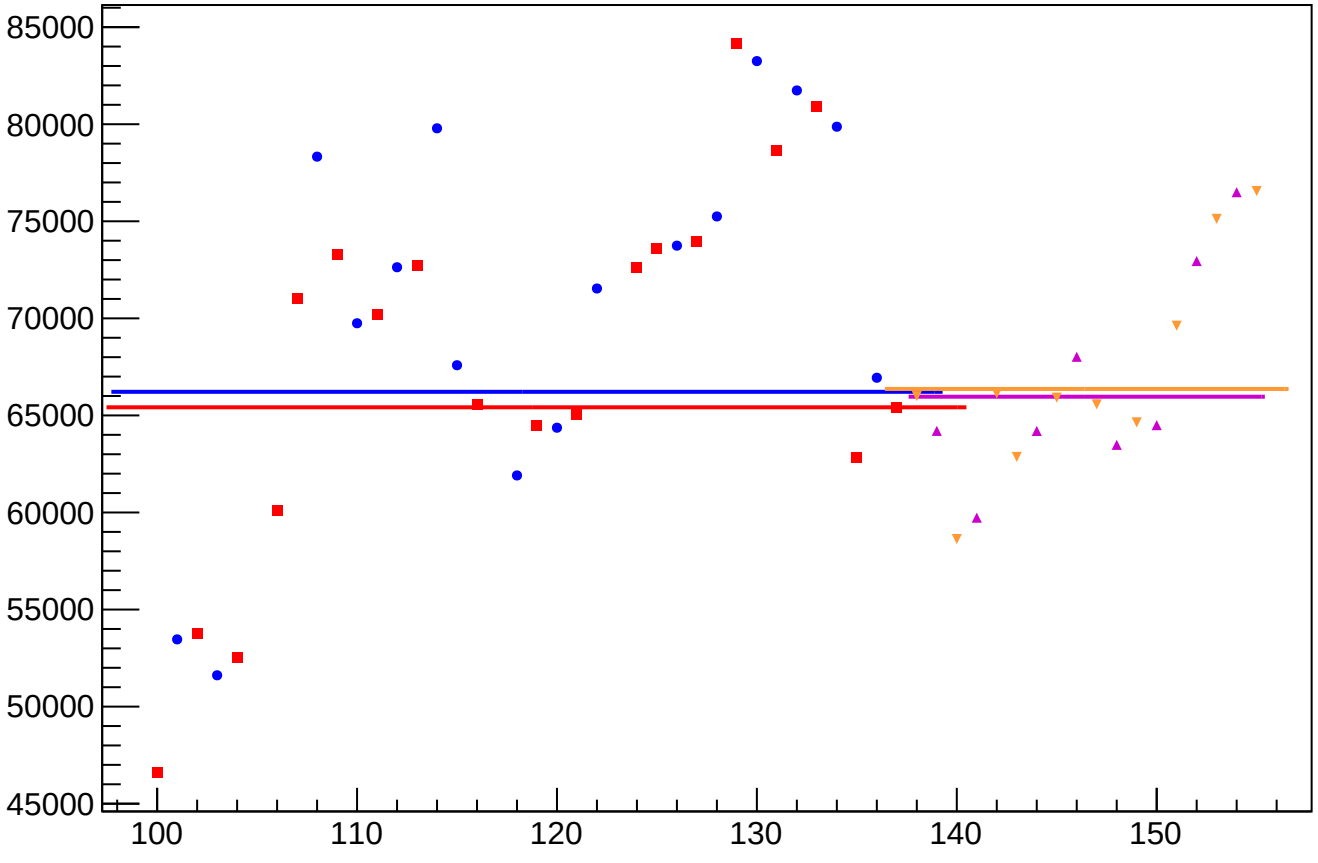
Left In: -7.532+/-24.991 χ^2/NDF:11.8/7

+ sign -37.947+/-17.197 χ^2/NDF: 33.2/25

All: -10.134+/-12.219 χ^2/NDF: 65.3/52

- sign 18.223+/-17.364 χ^2/NDF: 26.8/26

diff_bpm0r03X_rms vs Slug



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 66363.545+/-16.809 χ^2/NDF:91306.7/9

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

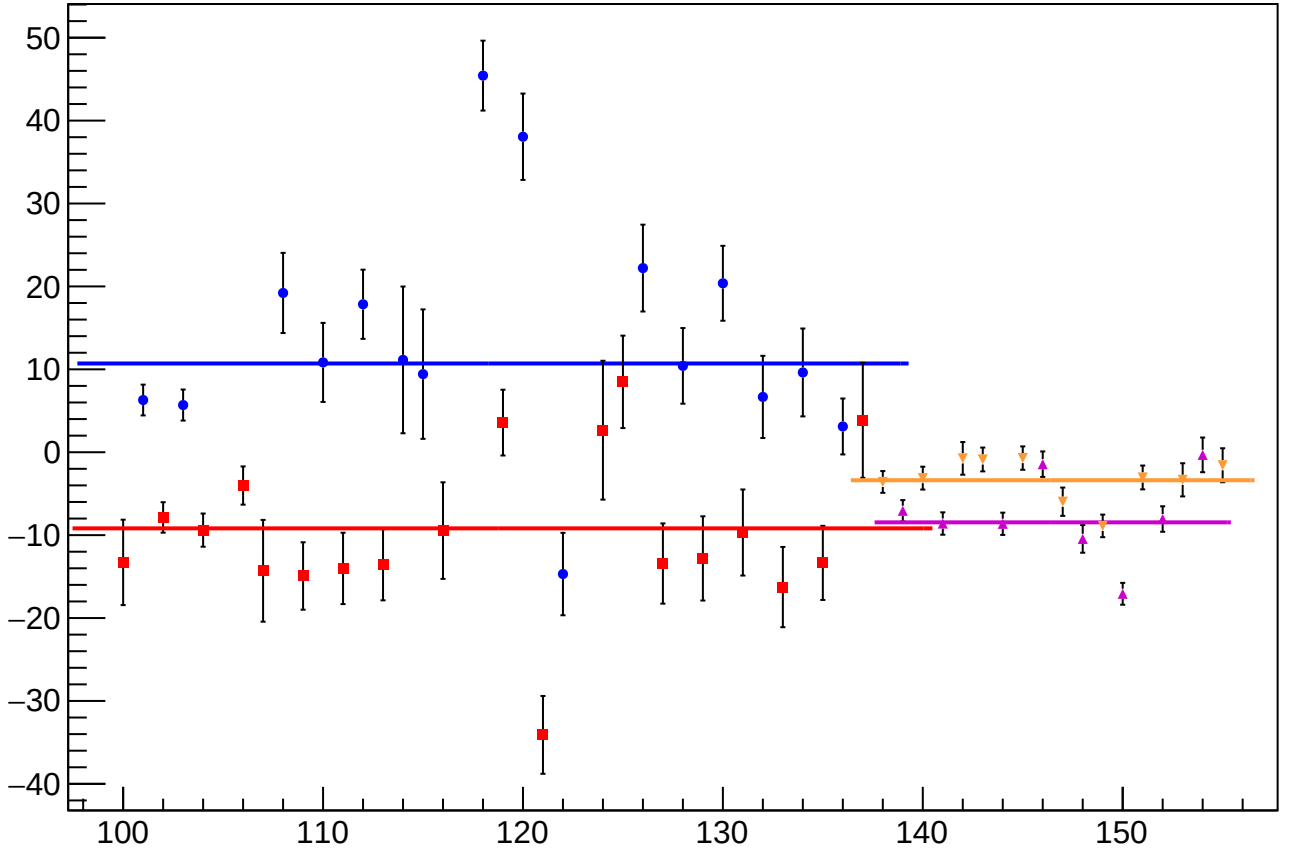
Left In: 65964.294+/-17.671 χ^2/NDF:76192.0/7

+ sign 66293.275+/-12.160 χ^2/NDF: 429721.0/25

All: 65990.605+/-8.640 χ^2/NDF: 812213.5/52

- sign 65682.018+/-12.278 χ^2/NDF: 381241.3/26

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.379+/-0.488 χ^2/NDF:28.0/9

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

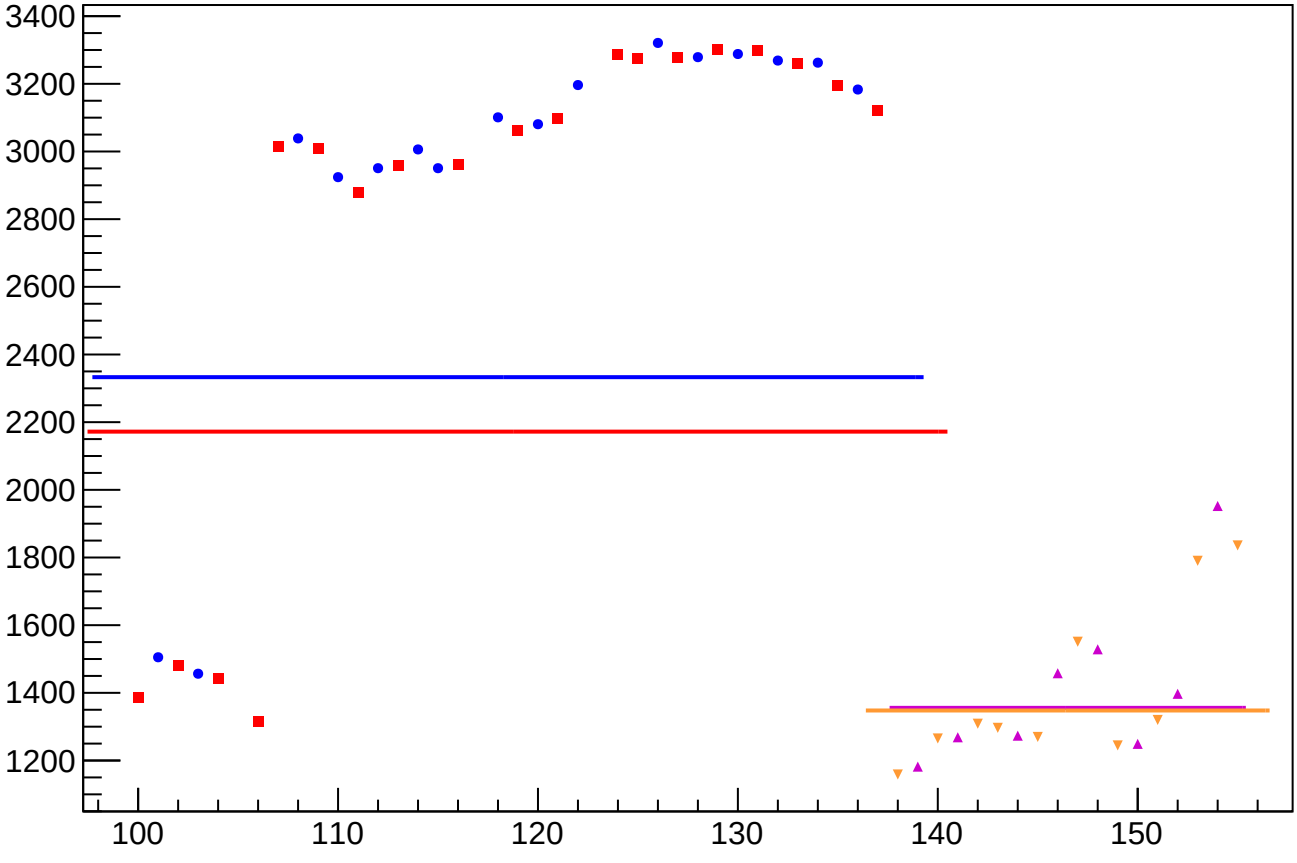
Left In: -8.458+/-0.519 χ^2/NDF:81.3/7

+ sign -0.294+/-0.431 χ^2/NDF: 366.3/25

All: -4.360+/-0.309 χ^2/NDF: 700.9/52

- sign -8.655+/-0.443 χ^2/NDF: 151.4/26

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1347.847+/-0.345 χ^2/NDF:310210.3/9

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

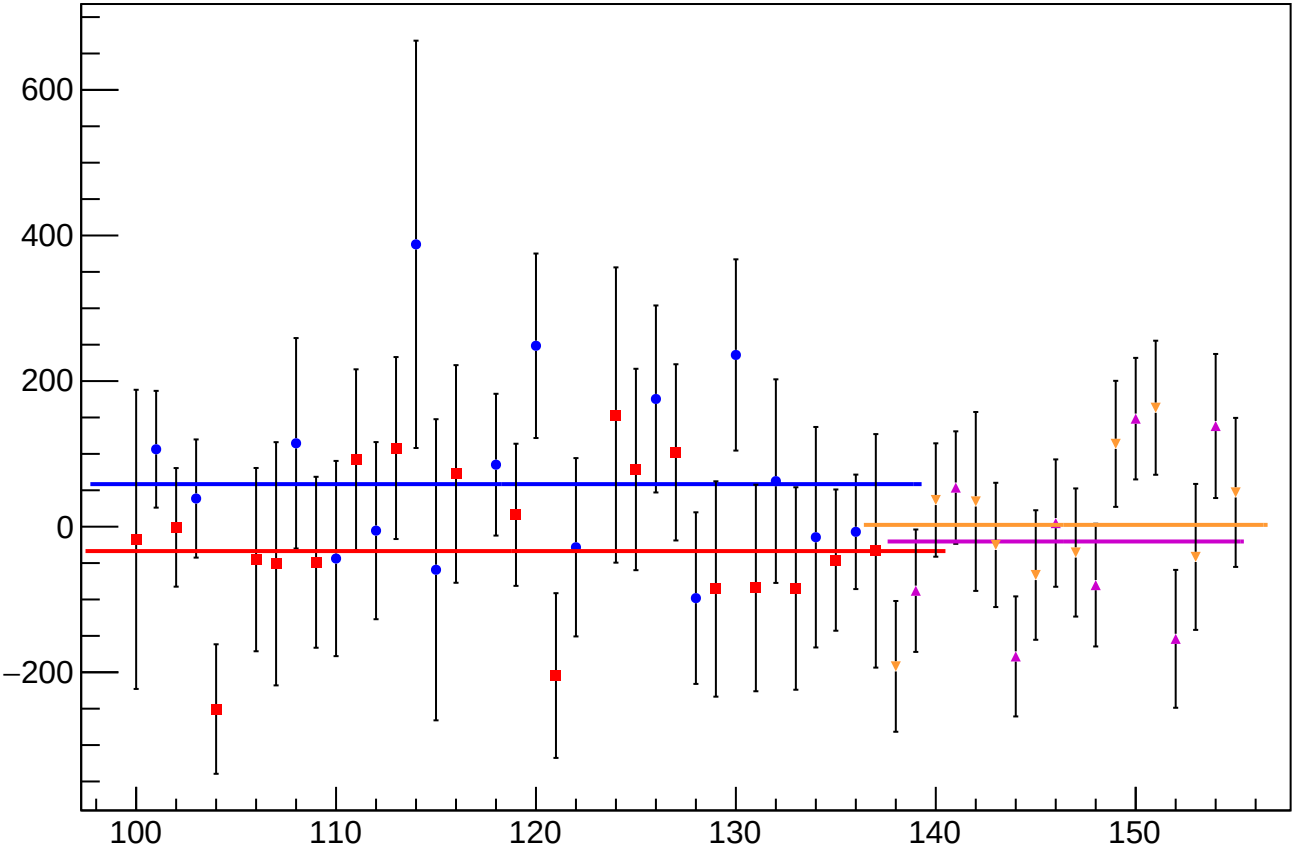
Left In: 1355.651+/-0.367 χ^2/NDF:259661.7/7

+ sign 1563.627+/-0.305 χ^2/NDF: 3750562.3/25

All: 1570.189+/-0.218 χ^2/NDF: 7339416.3/52

- sign 1577.120+/-0.313 χ^2/NDF: 3587900.1/26

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: 2.476+/-28.940 χ^2/NDF:10.9/9

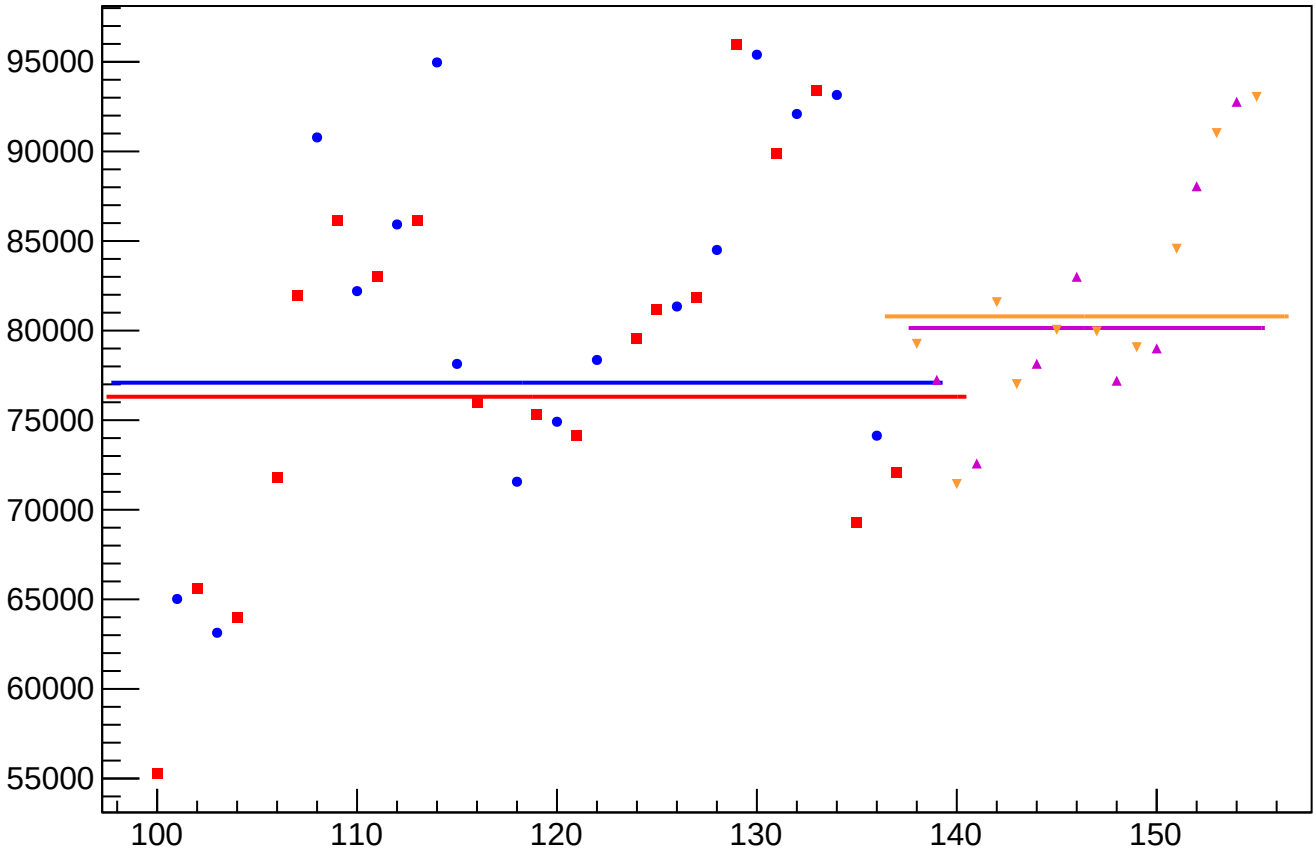
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -20.347+/-30.365 χ^2/NDF:14.5/7

+ sign 30.482+/-20.456 χ^2/NDF: 24.1/25

All: 1.761+/-14.524 χ^2/NDF: 57.3/52

- sign -27.442+/-20.626 χ^2/NDF: 29.2/26



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 80792.175+/-20.463 χ^2/NDF:87376.2/9

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

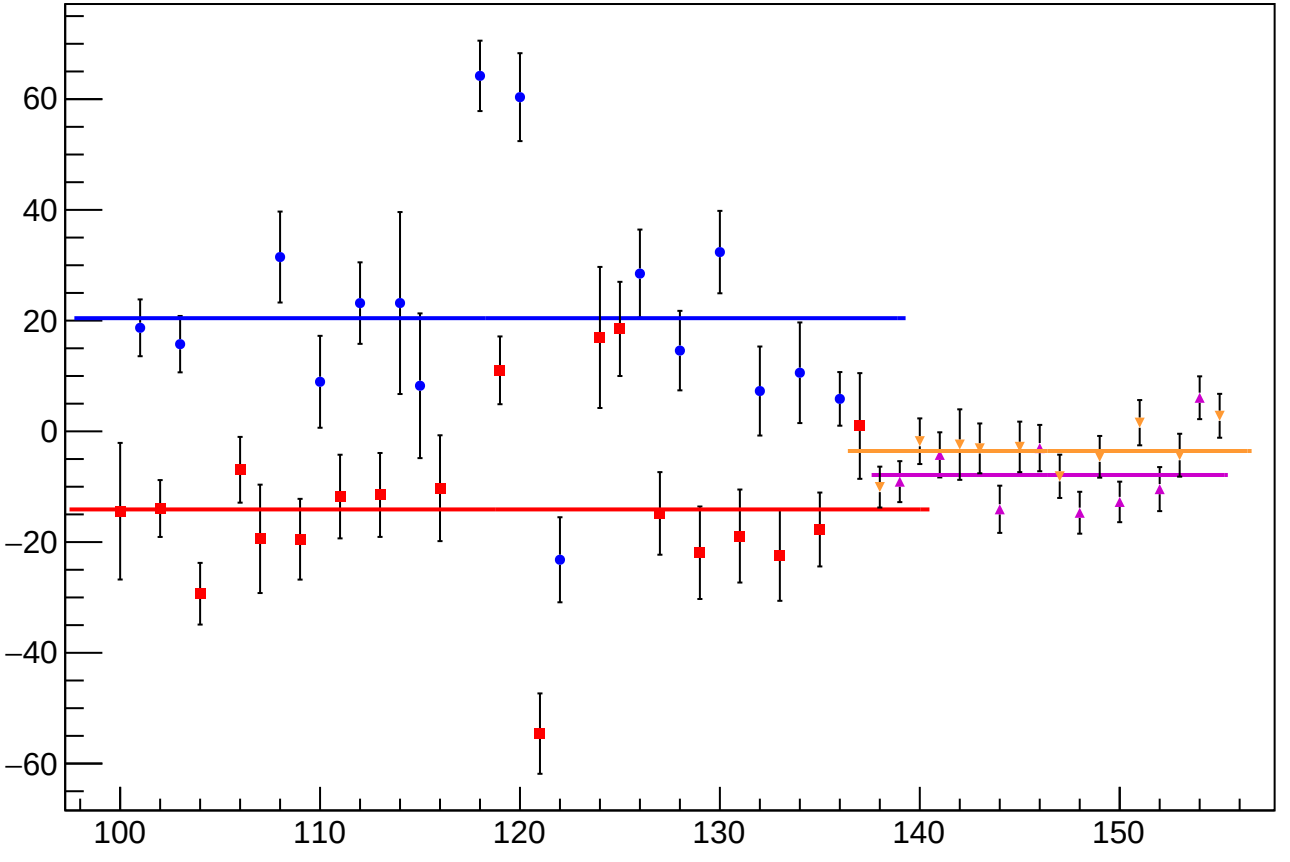
Left In: 80145.595+/-21.471 χ^2/NDF:74157.6/7

+ sign 78941.235+/-14.464 χ^2/NDF: 352269.1/25

All: 78513.745+/-10.270 χ^2/NDF: 679820.1/5

- sign 78079.094+/-14.585 χ^2/NDF: 325789.3/26

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.549+/-1.313 χ^2/NDF:9.0/9

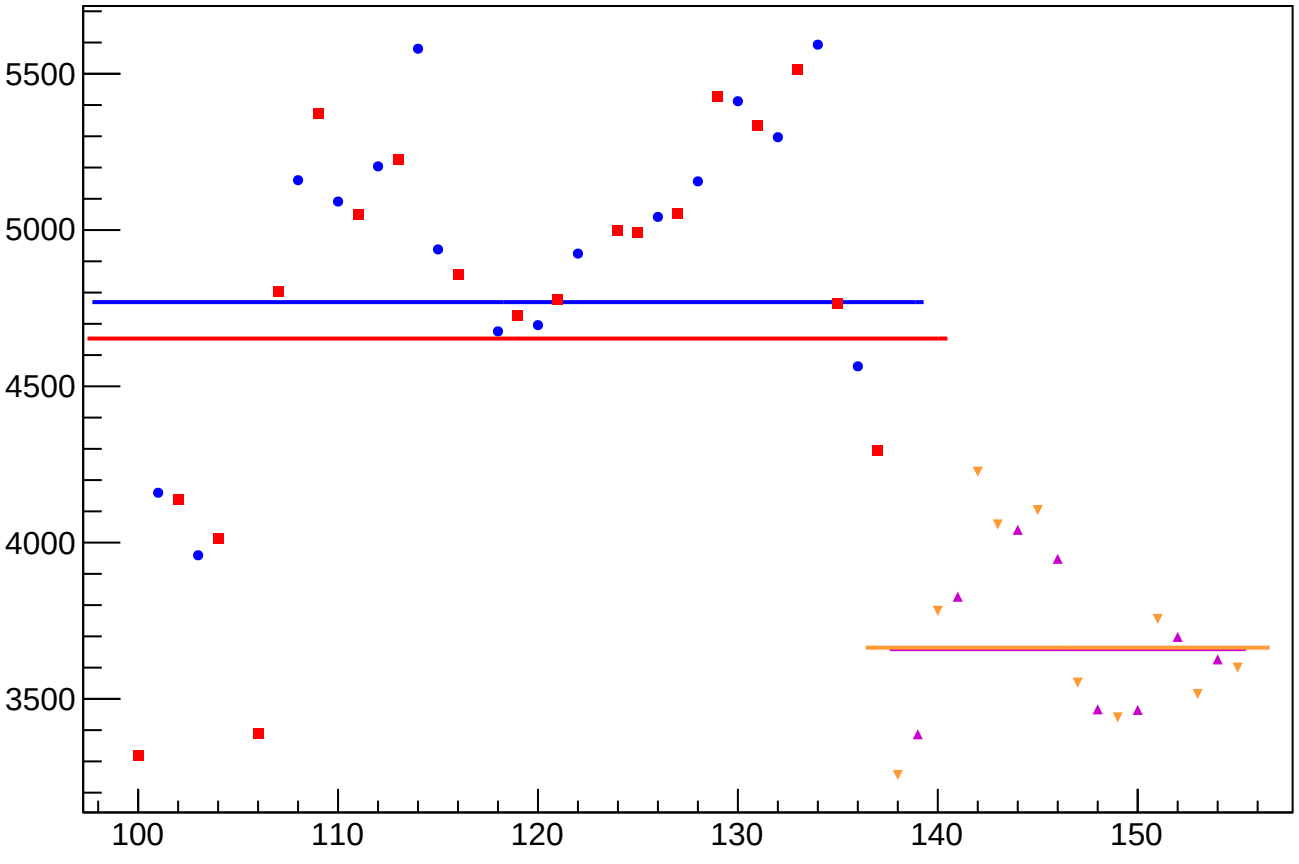
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -7.881+/-1.387 χ^2/NDF:22.8/7

+ sign 4.889+/-1.057 χ^2/NDF: 254.3/25

All: -2.576+/-0.755 χ^2/NDF: 470.7/52

- sign -10.343+/-1.078 χ^2/NDF: 114.5/26



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3663.959+/-0.928 χ^2/NDF:88731.3/9

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

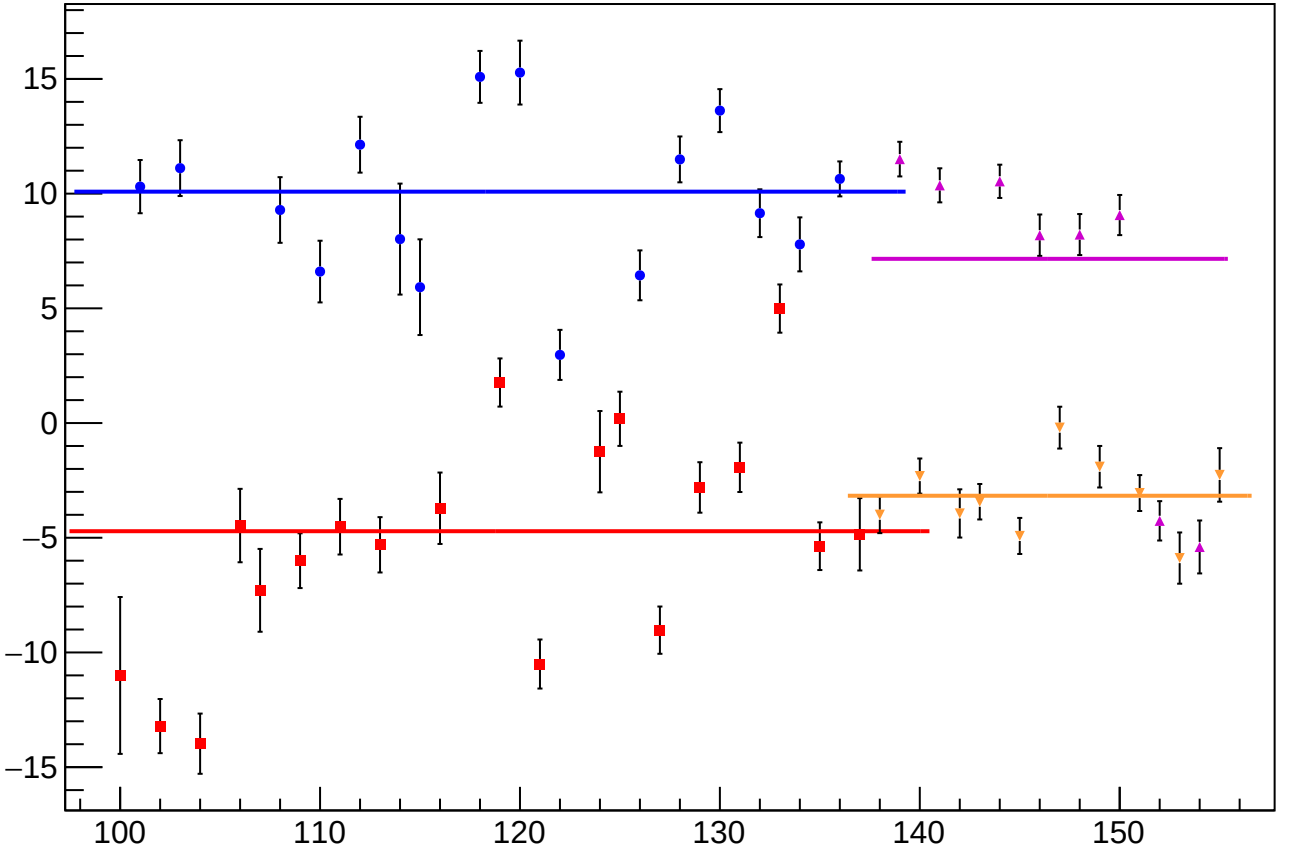
Left In: 3659.195+/-0.980 χ^2/NDF:50959.5/7

+ sign 4052.744+/-0.747 χ^2/NDF: 739357.2/25

All: 4052.582+/-0.534 χ^2/NDF: 1461886.2/52

- sign 4052.414+/-0.762 χ^2/NDF: 722528.9/26

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.169+/-0.277 χ^2/NDF:27.0/9

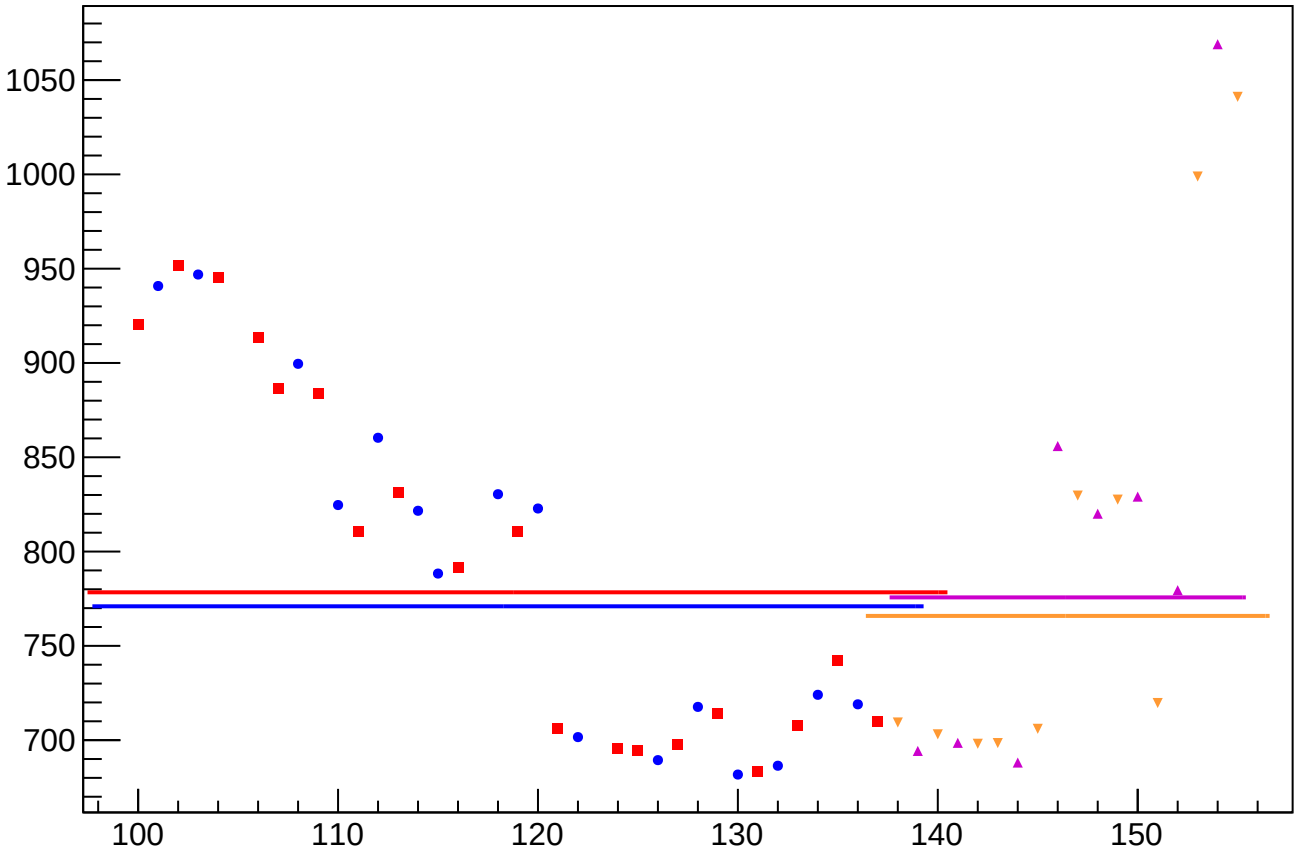
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 7.158+/-0.297 χ^2/NDF:376.7/7

+ sign 3.191+/-0.200 χ^2/NDF: 1250.1/25

All: 2.128+/-0.143 χ^2/NDF: 2826.3/52

- sign 1.000+/-0.206 χ^2/NDF: 1517.9/26



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 765.876+/-0.196 χ^2/NDF:282832.9/9

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

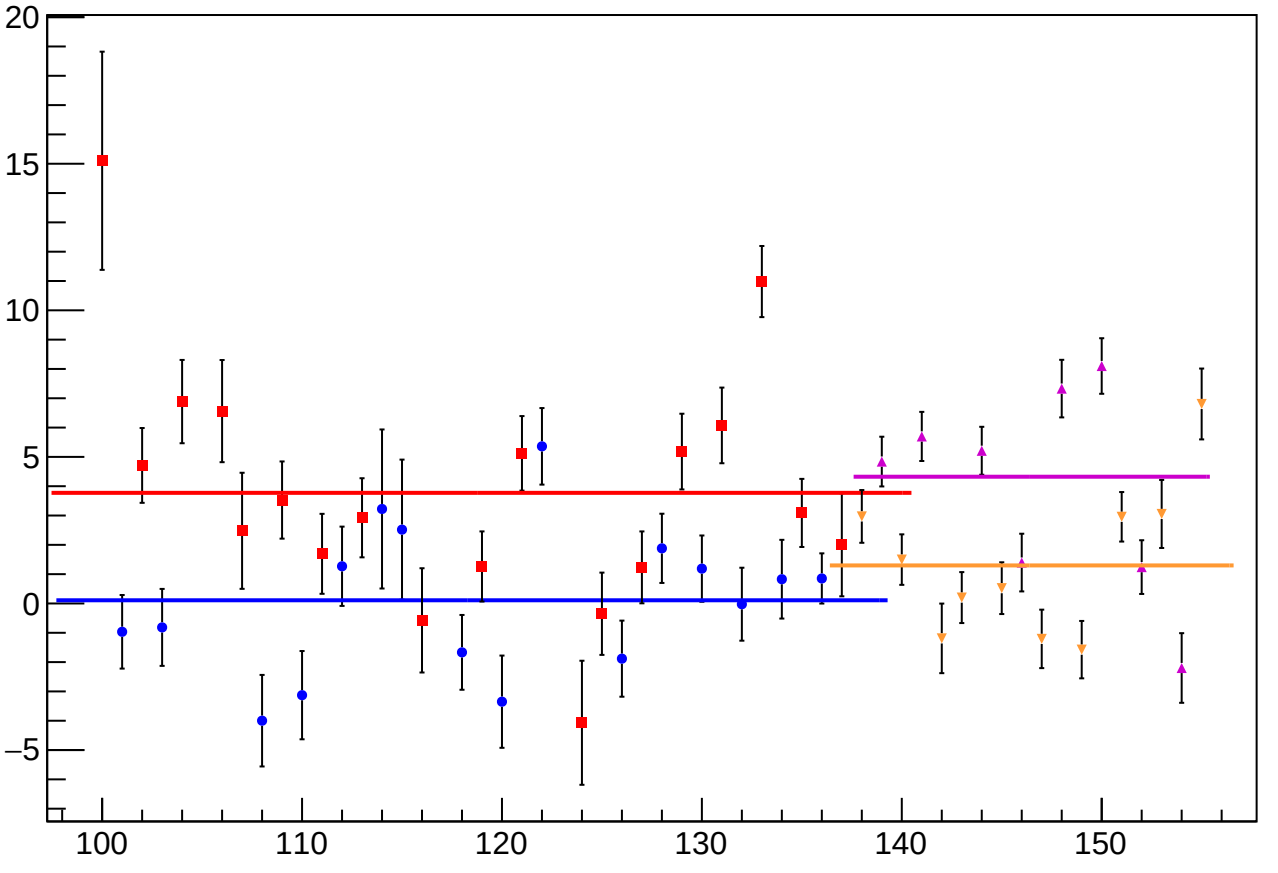
Left In: 775.697+/-0.210 χ^2/NDF:231507.4/7

+ sign 768.321+/-0.141 χ^2/NDF: 476069.9/25

All: 772.578+/-0.101 χ^2/NDF: 906079.4/52

- sign 777.096+/-0.146 χ^2/NDF: 428137.3/26

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.298+/-0.305 χ^2/NDF:52.1/9

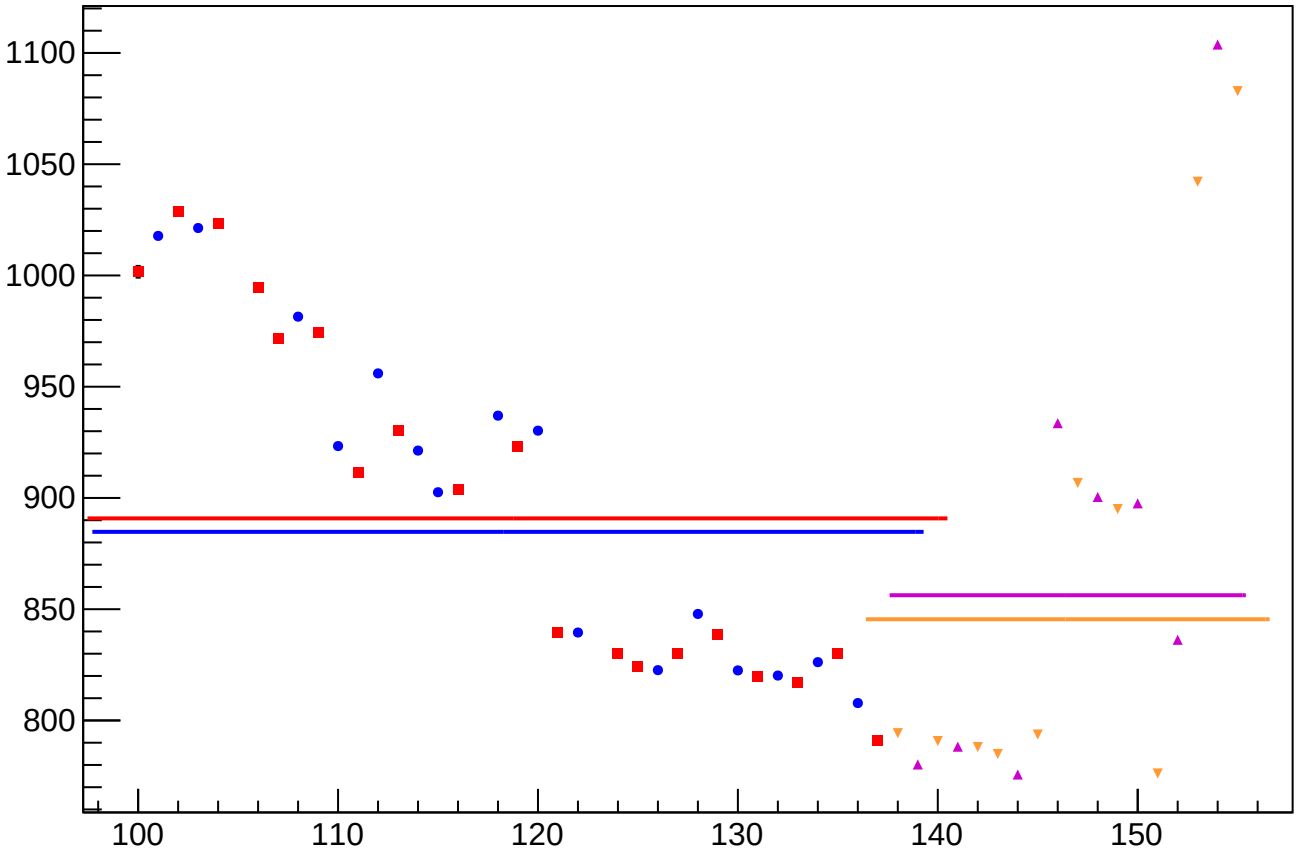
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 4.324+/-0.326 χ^2/NDF:79.8/7

+ sign 0.751+/-0.224 χ^2/NDF: 104.5/25

All: 2.350+/-0.161 χ^2/NDF: 390.6/52

- sign 4.049+/-0.231 χ^2/NDF: 180.8/26



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 845.495+/-0.215 χ^2/NDF:196541.4/9

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

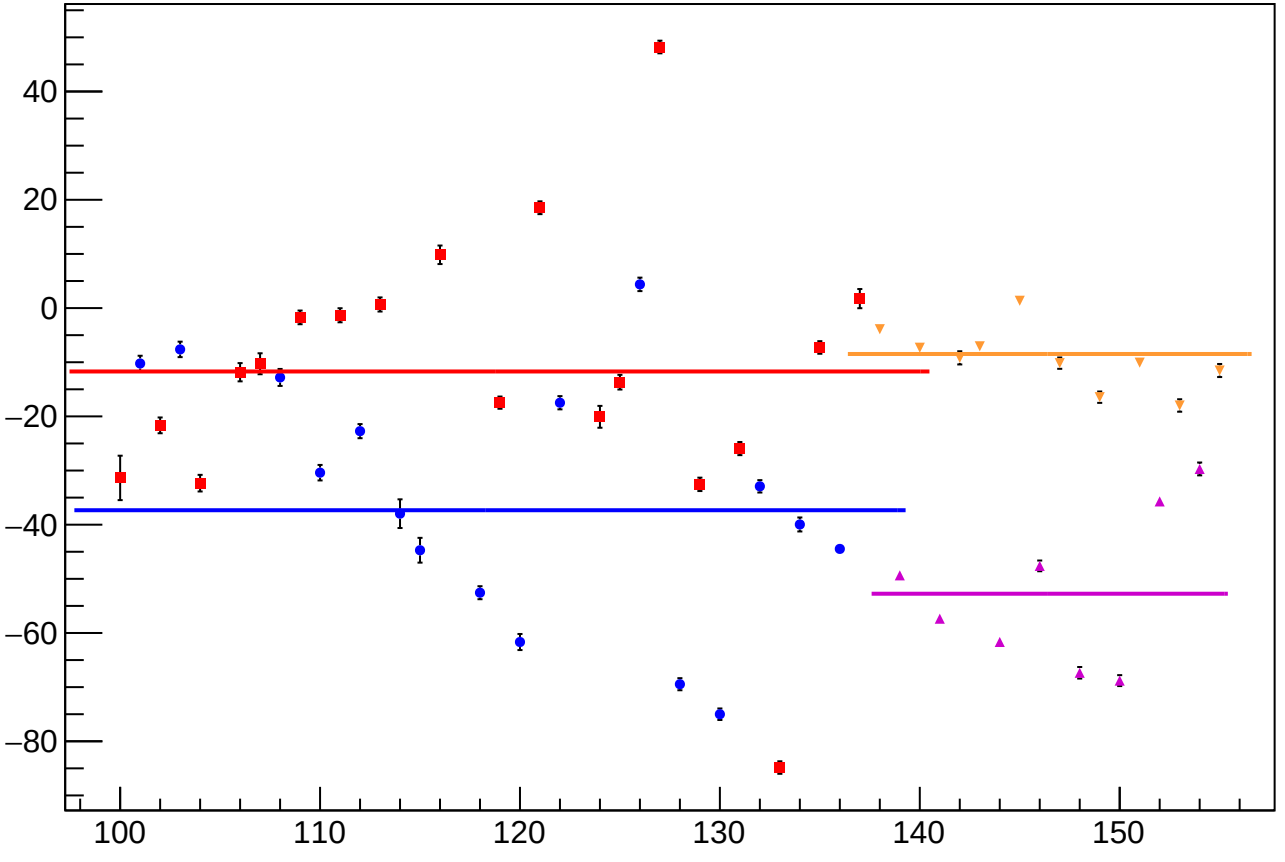
Left In: 856.280+/-0.231 χ^2/NDF:156695.4/7

\+ sign 863.569+/-0.158 χ^2/NDF: 316340.6/25

All: 868.413+/-0.114 χ^2/NDF: 593943.7/52

\- sign 873.558+/-0.163 χ^2/NDF: 275670.5/26

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.476+/-0.310 χ^2/NDF:286.5/9

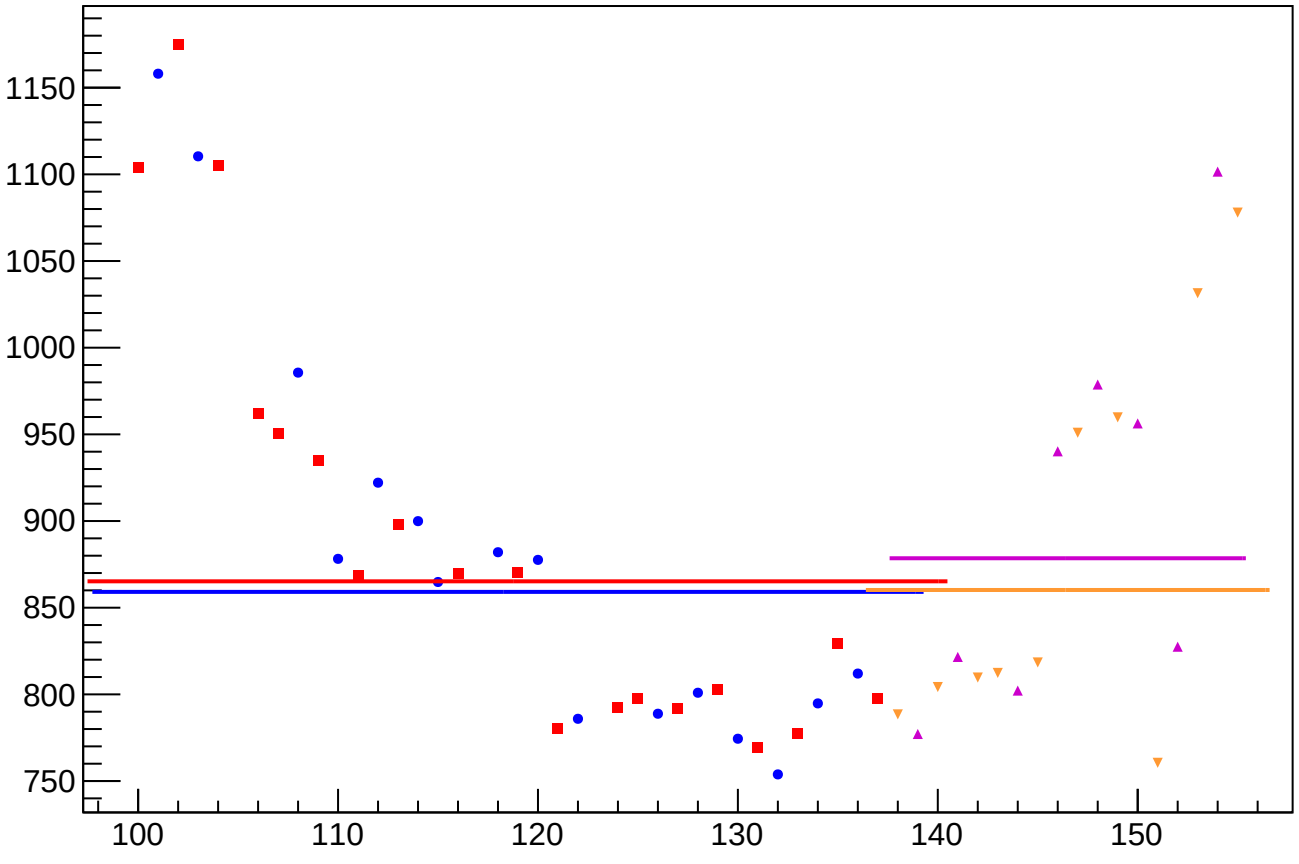
Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: -52.750+/-0.335 χ^2/NDF:1351.4/7

+ sign -22.369+/-0.223 χ^2/NDF: 9641.5/25

All: -26.622+/-0.160 χ^2/NDF: 28106.0/52

- sign -31.159+/-0.231 χ^2/NDF: 17714.6/26



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 860.217+/-0.219 χ^2/NDF:205981.3/9

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

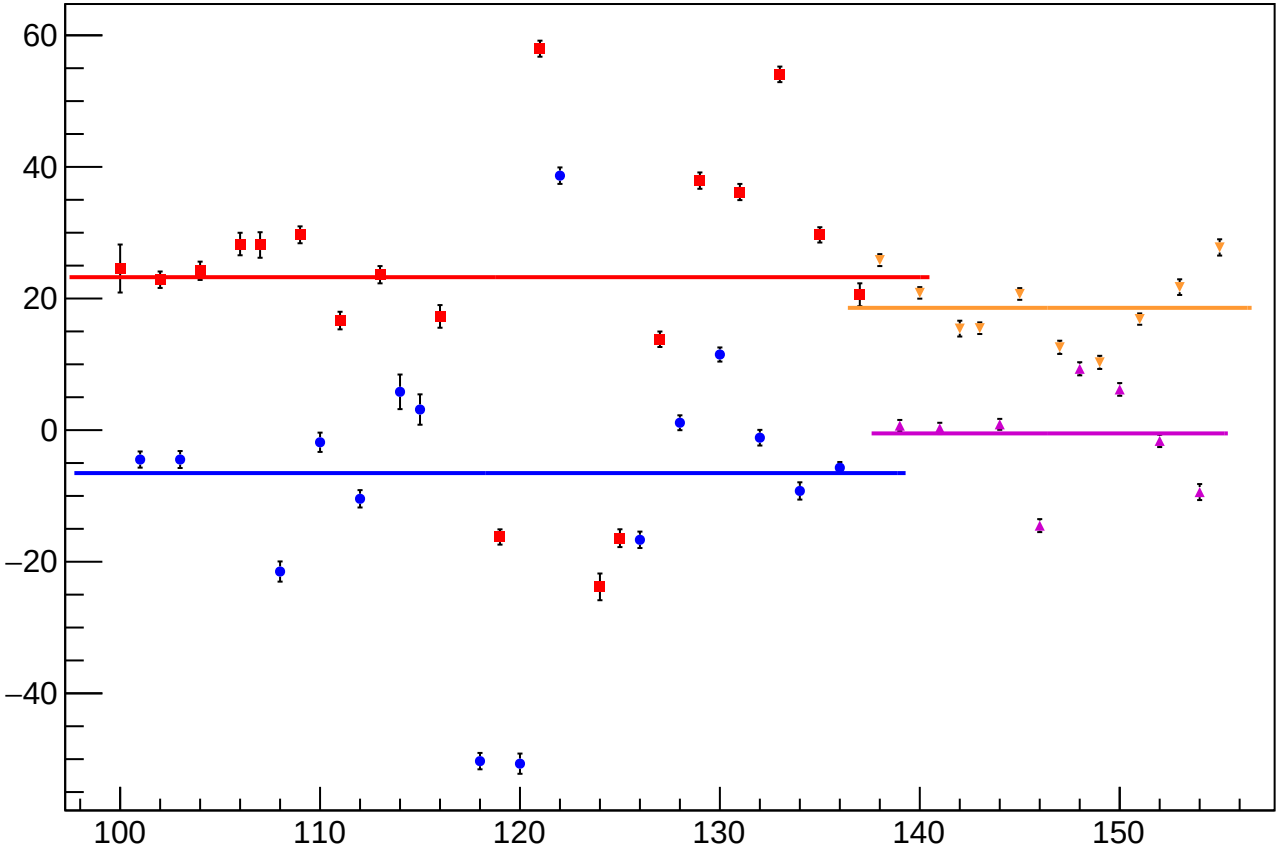
Left In: 878.521+/-0.237 χ^2/NDF:167823.3/7

+ sign 859.692+/-0.158 χ^2/NDF: 434703.2/25

All: 865.415+/-0.113 χ^2/NDF: 830573.1/52

- sign 871.520+/-0.163 χ^2/NDF: 393153.4/26

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.583+/-0.309 χ^2/NDF:265.9/9

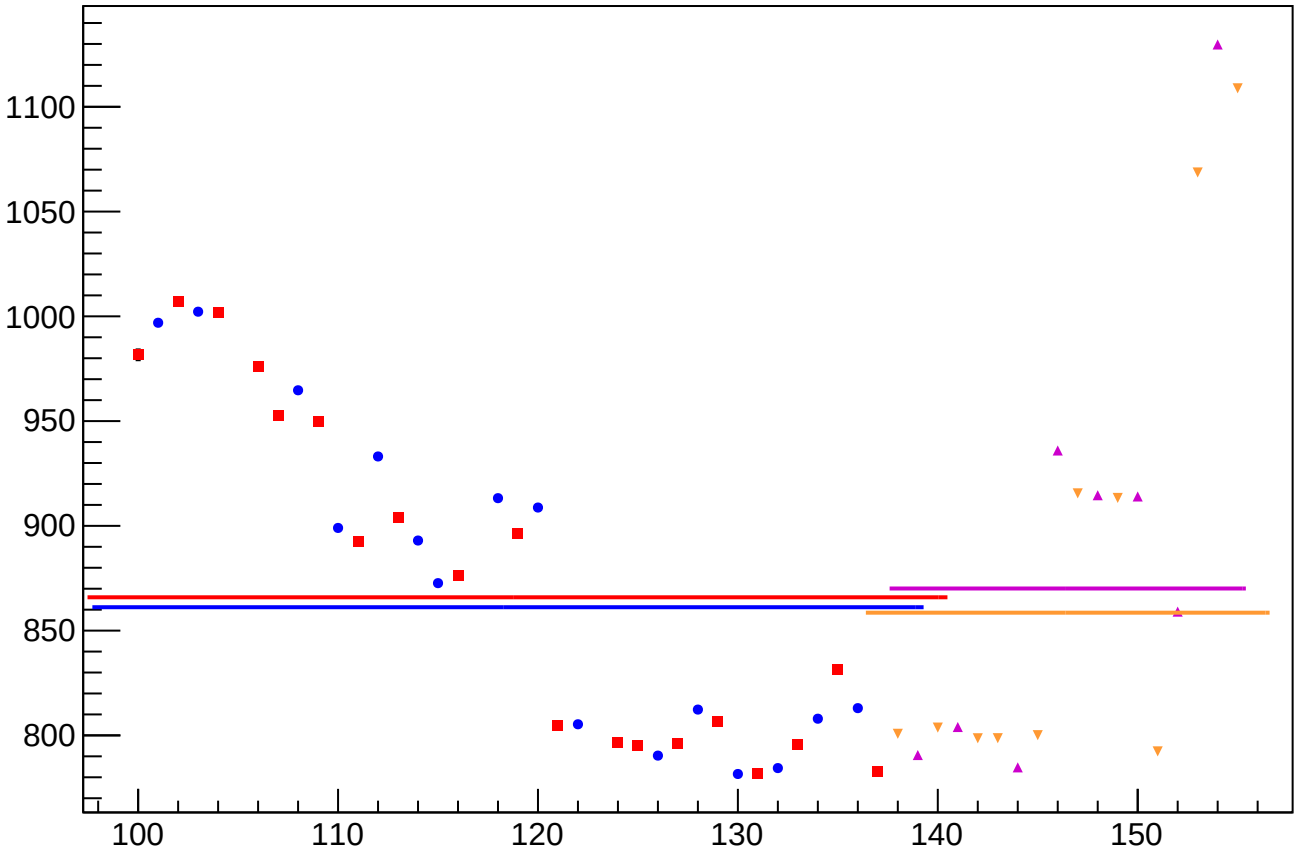
Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -0.498+/-0.332 χ^2/NDF:407.5/7

+ sign 6.499+/-0.223 χ^2/NDF: 7383.0/25

All: 9.125+/-0.160 χ^2/NDF: 15225.3/52

- sign 11.903+/-0.229 χ^2/NDF: 7556.4/26



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 858.562+/-0.219 χ^2/NDF:207164.5/9

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

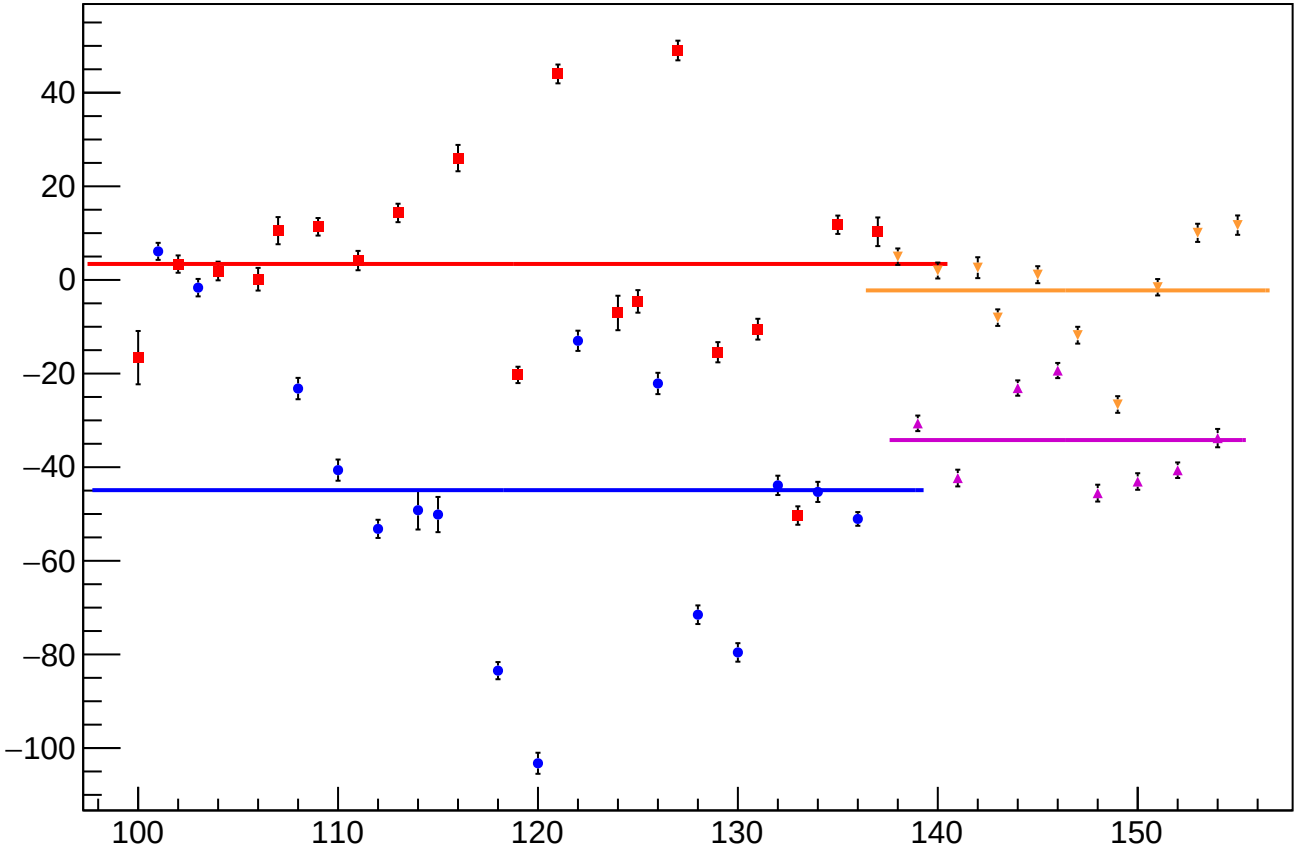
Left In: 870.103+/-0.234 χ^2/NDF:158977.6/7

+ sign 859.817+/-0.158 χ^2/NDF: 320762.6/25

All: 863.751+/-0.113 χ^2/NDF: 599608.6/52

- sign 867.911+/-0.162 χ^2/NDF: 277563.0/26

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.235+/-0.583 χ^2/NDF:344.1/9

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

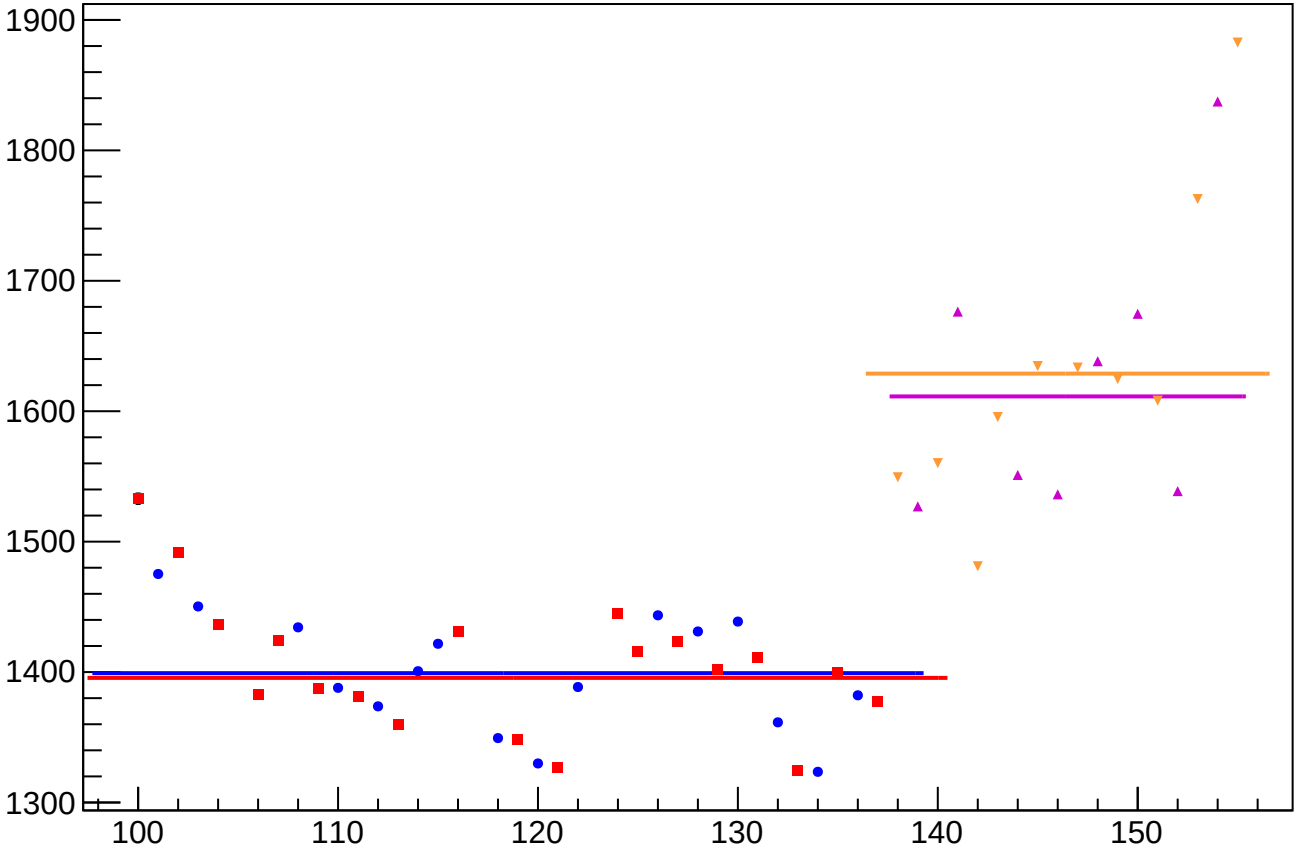
Left In: -34.202+/-0.611 χ^2/NDF:235.2/7

+ sign -25.989+/-0.388 χ^2/NDF: 6707.9/25

All: -19.056+/-0.275 χ^2/NDF: 11927.7/52

- sign -12.009+/-0.391 χ^2/NDF: 4575.7/26

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1628.836+/-0.412 χ^2/NDF:56739.9/9

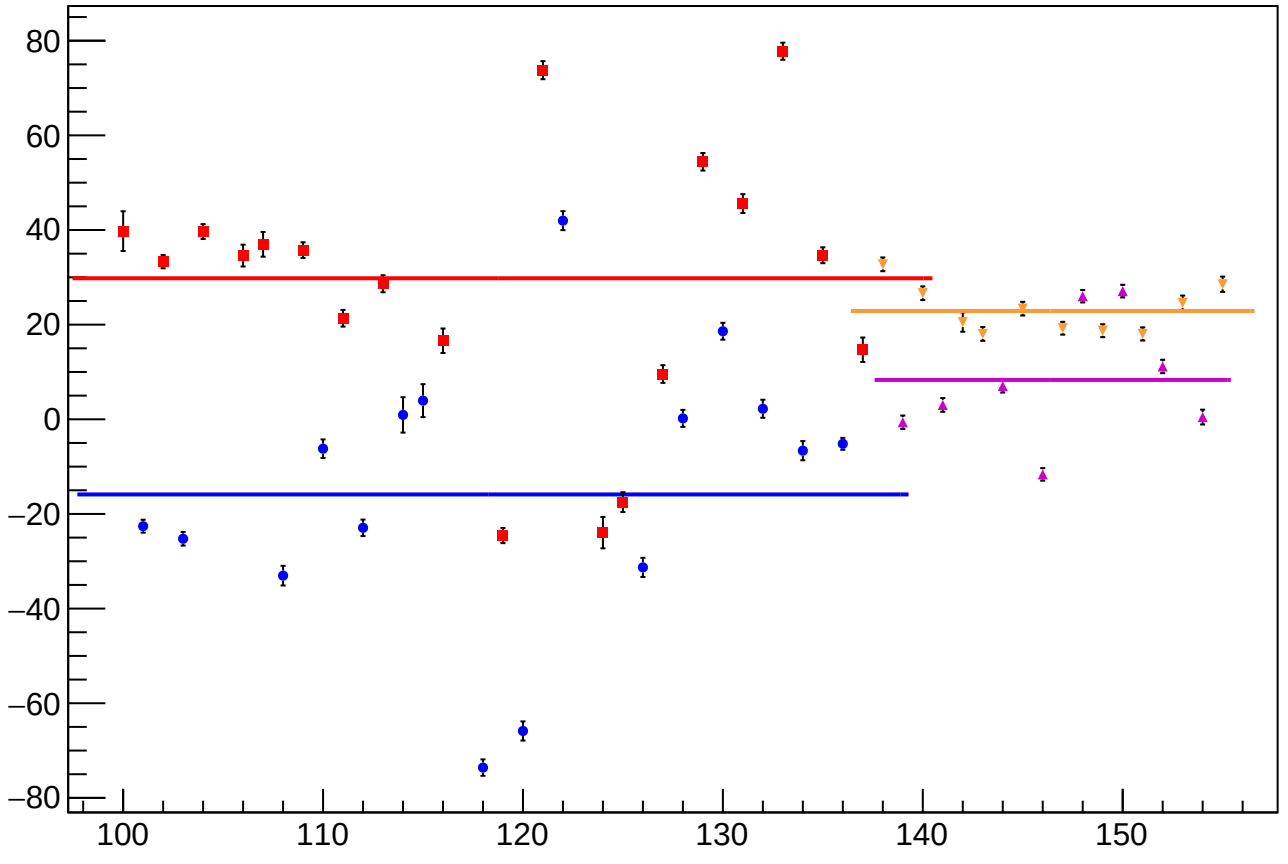
Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1611.347+/-0.432 χ^2/NDF:48285.1/7

+ sign 1500.986+/-0.274 χ^2/NDF: 244603.0/25

All: 1492.579+/-0.195 χ^2/NDF: 458347.4/52

- sign 1484.035+/-0.277 χ^2/NDF: 211850.5/26



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 22.890+/-0.470 χ^2/NDF:107.2/9

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

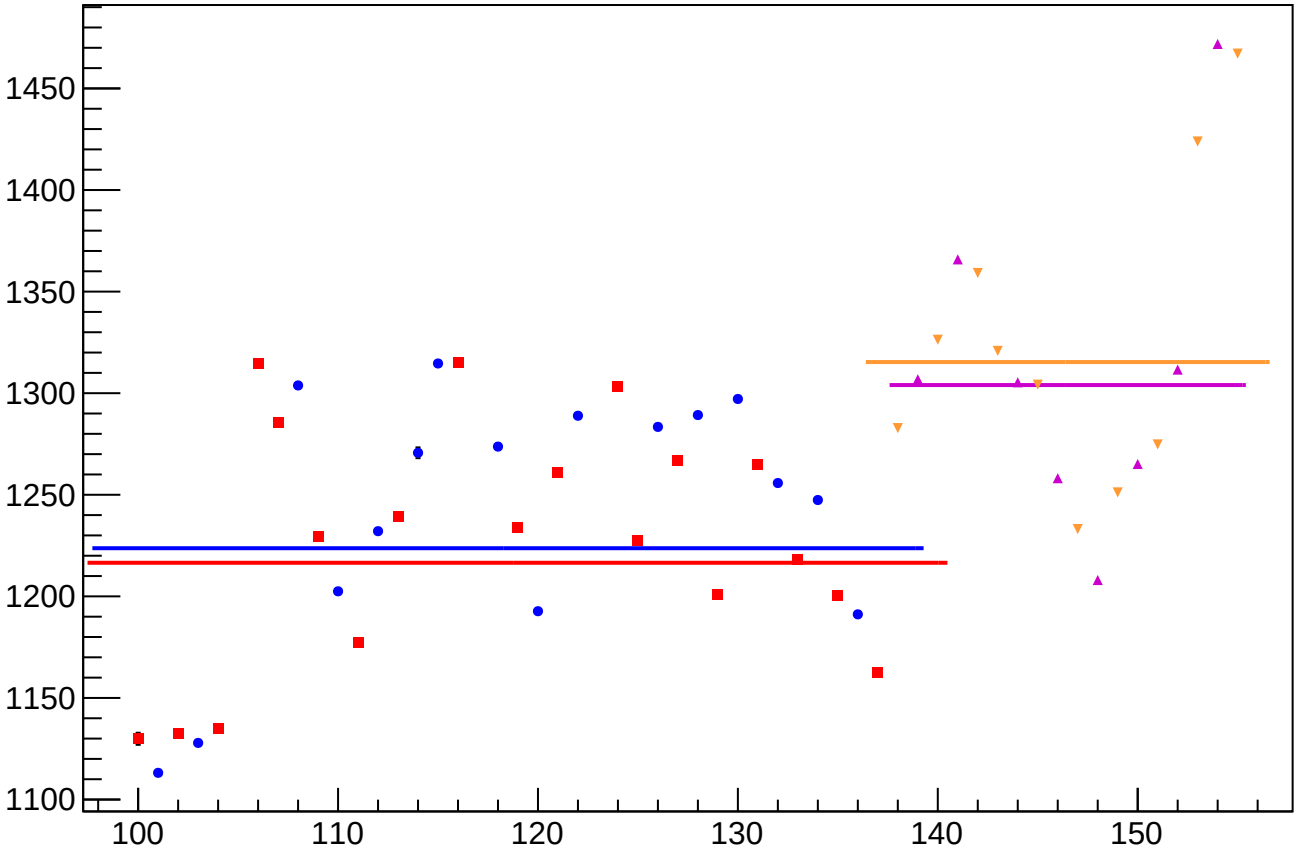
Left In: 8.319+/-0.494 χ^2/NDF:687.4/7

+ sign 2.878+/-0.327 χ^2/NDF: 7093.6/25

All: 11.448+/-0.232 χ^2/NDF: 13894.7/52

- sign 20.183+/-0.330 χ^2/NDF: 5414.9/26

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1315.329+/-0.333 χ^2/NDF:42913.0/9

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

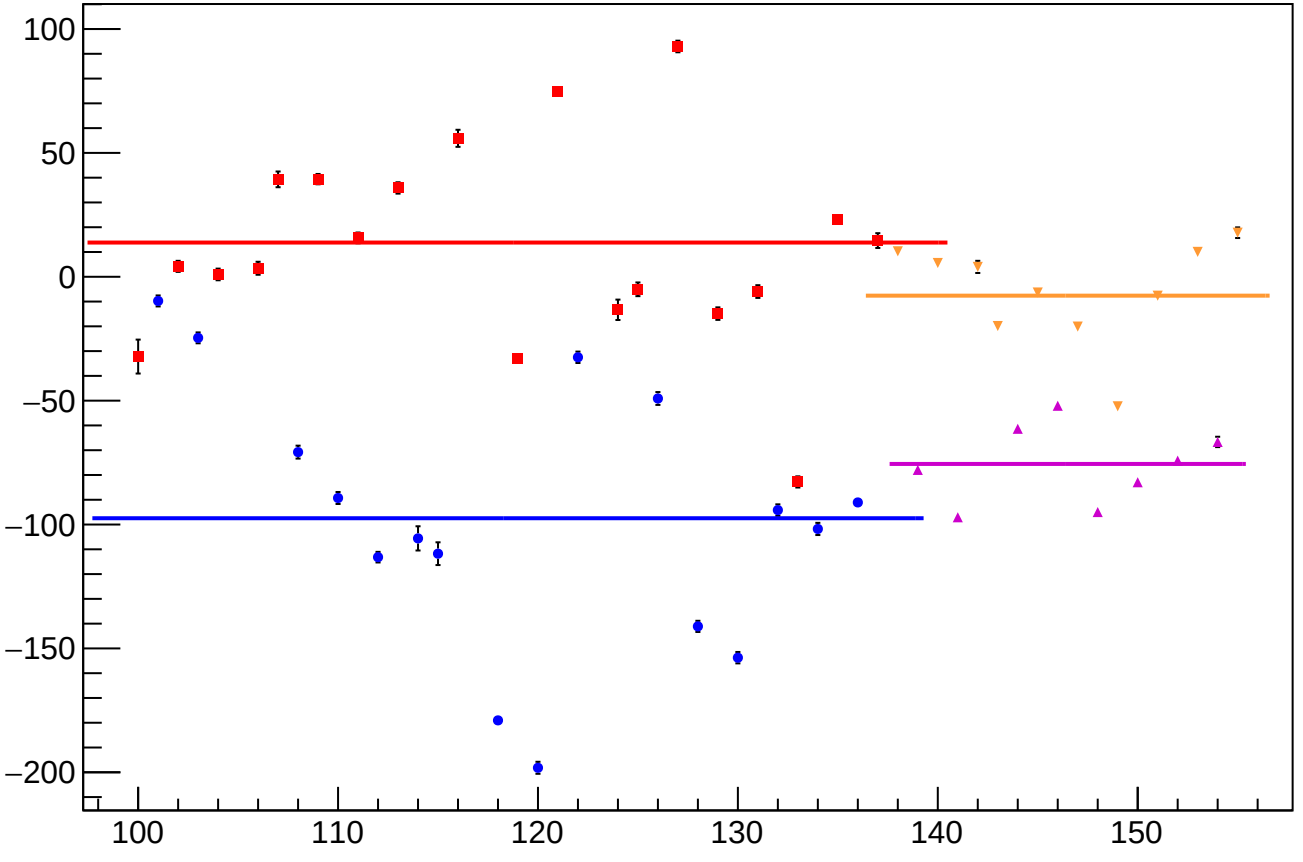
Left In: 1304.006+/-0.349 χ^2/NDF:41252.3/7

+ sign 1268.031+/-0.231 χ^2/NDF: 122994.4/25

All: 1261.922+/-0.164 χ^2/NDF: 229734.0/52

- sign 1255.694+/-0.234 χ^2/NDF: 105330.5/26

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.618+/-0.598 χ^2/NDF:1109.6/9

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

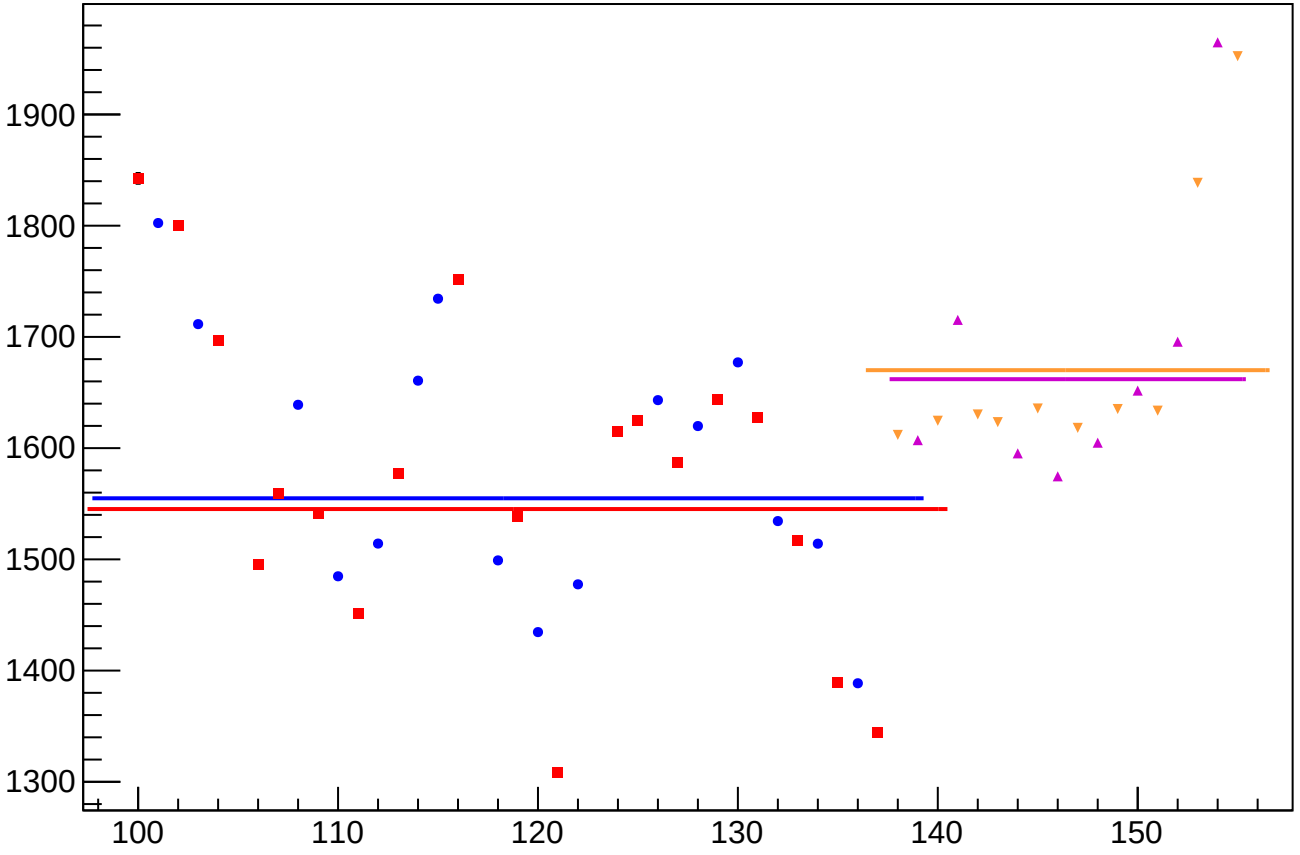
Left In: -75.543+/-0.630 χ^2/NDF:570.6/7

+ sign -53.928+/-0.416 χ^2/NDF: 21057.2/25

All: -40.172+/-0.296 χ^2/NDF: 40338.9/52

- sign -26.100+/-0.421 χ^2/NDF: 17069.9/26

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1670.098+/-0.423 χ^2/NDF:57593.3/9

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

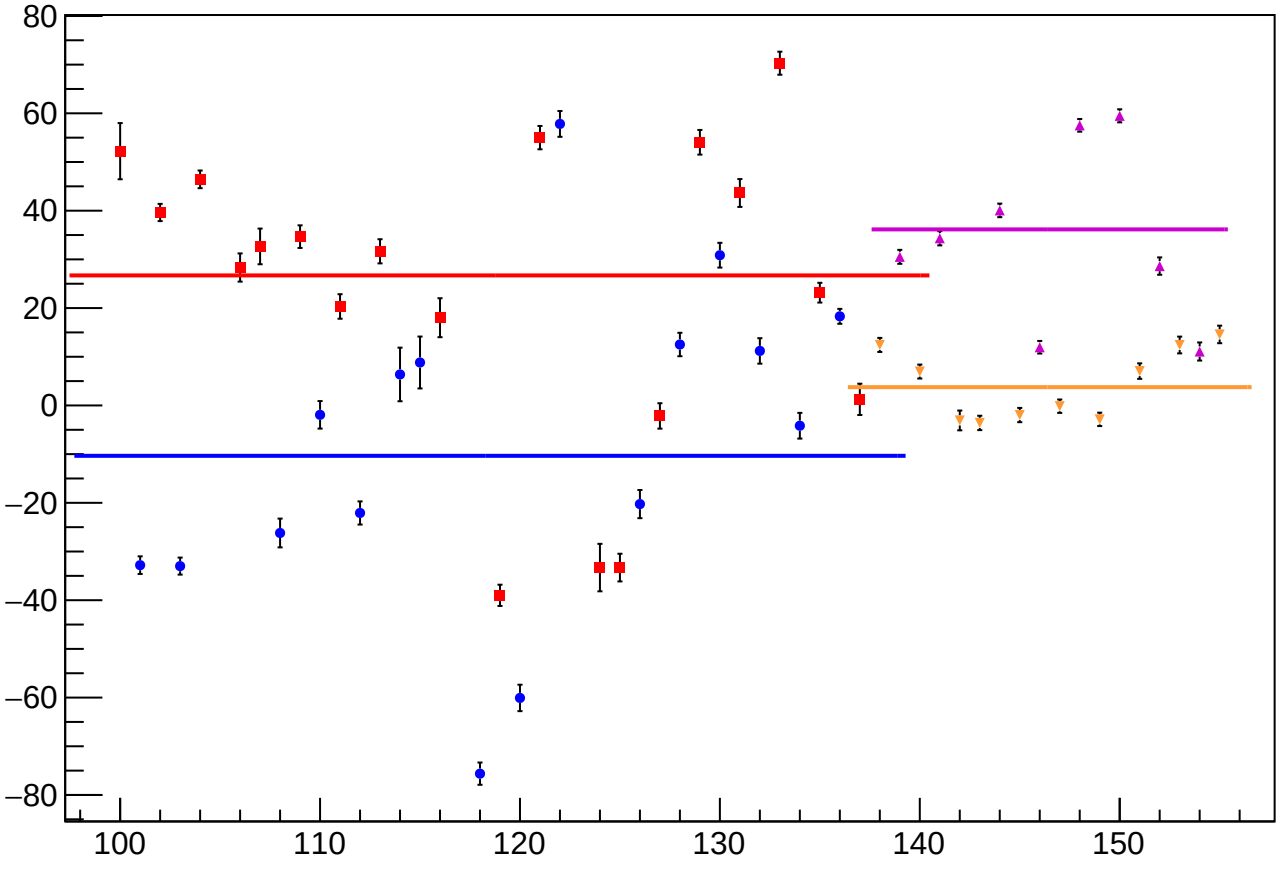
Left In: 1661.994+/-0.445 χ^2/NDF:57053.2/7

+ sign 1610.720+/-0.294 χ^2/NDF: 183811.5/25

All: 1604.132+/-0.209 χ^2/NDF: 388728.3/52

- sign 1597.392+/-0.298 χ^2/NDF: 203902.2/26

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 3.763+/-0.486 χ^2/NDF:189.5/9

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

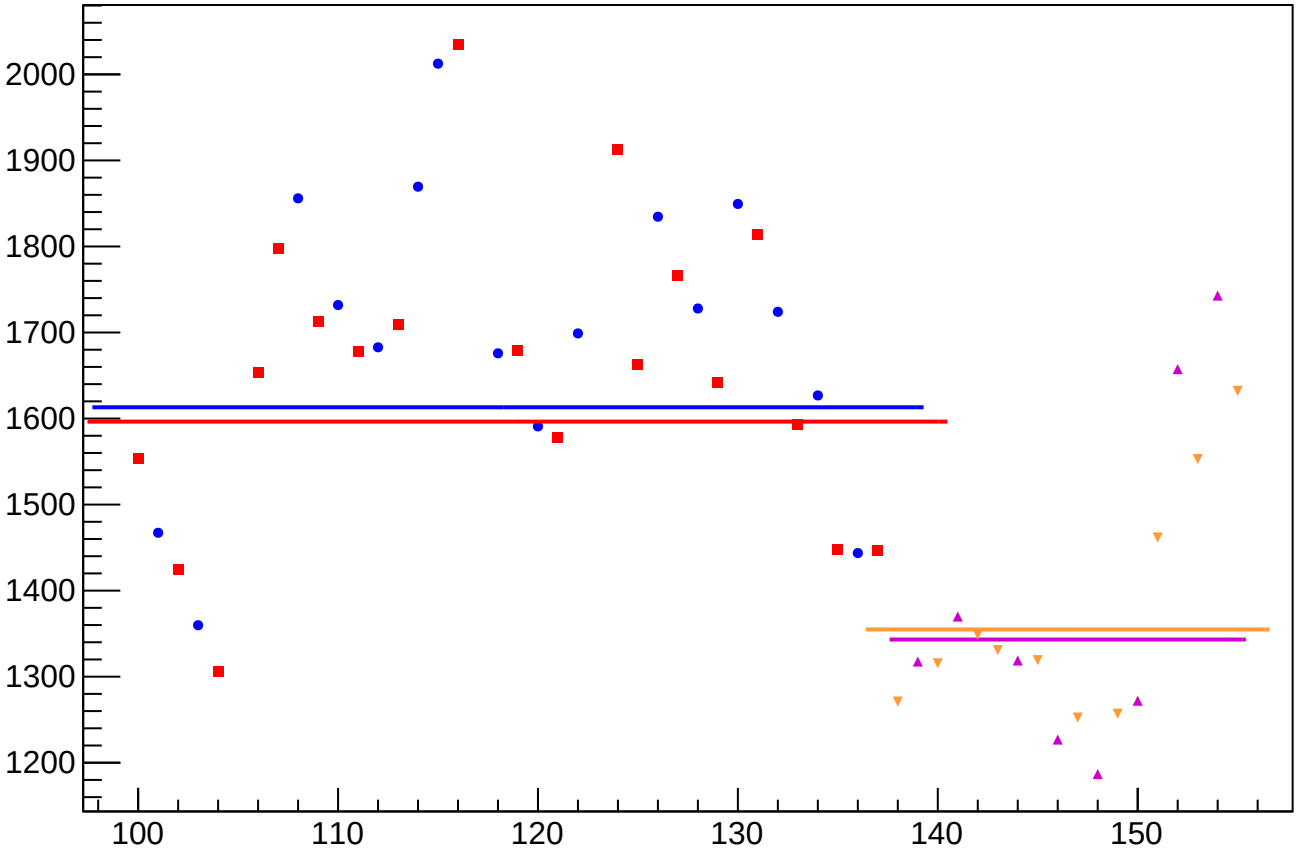
Left In: 36.158+/-0.512 χ^2/NDF:1147.4/7

\+ sign -1.794+/-0.379 χ^2/NDF: 3528.1/25

All: 14.831+/-0.270 χ^2/NDF: 11293.7/52

\- sign 32.074+/-0.385 χ^2/NDF: 3835.6/26

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1354.864+/-0.344 χ^2/NDF:114068.9/9

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

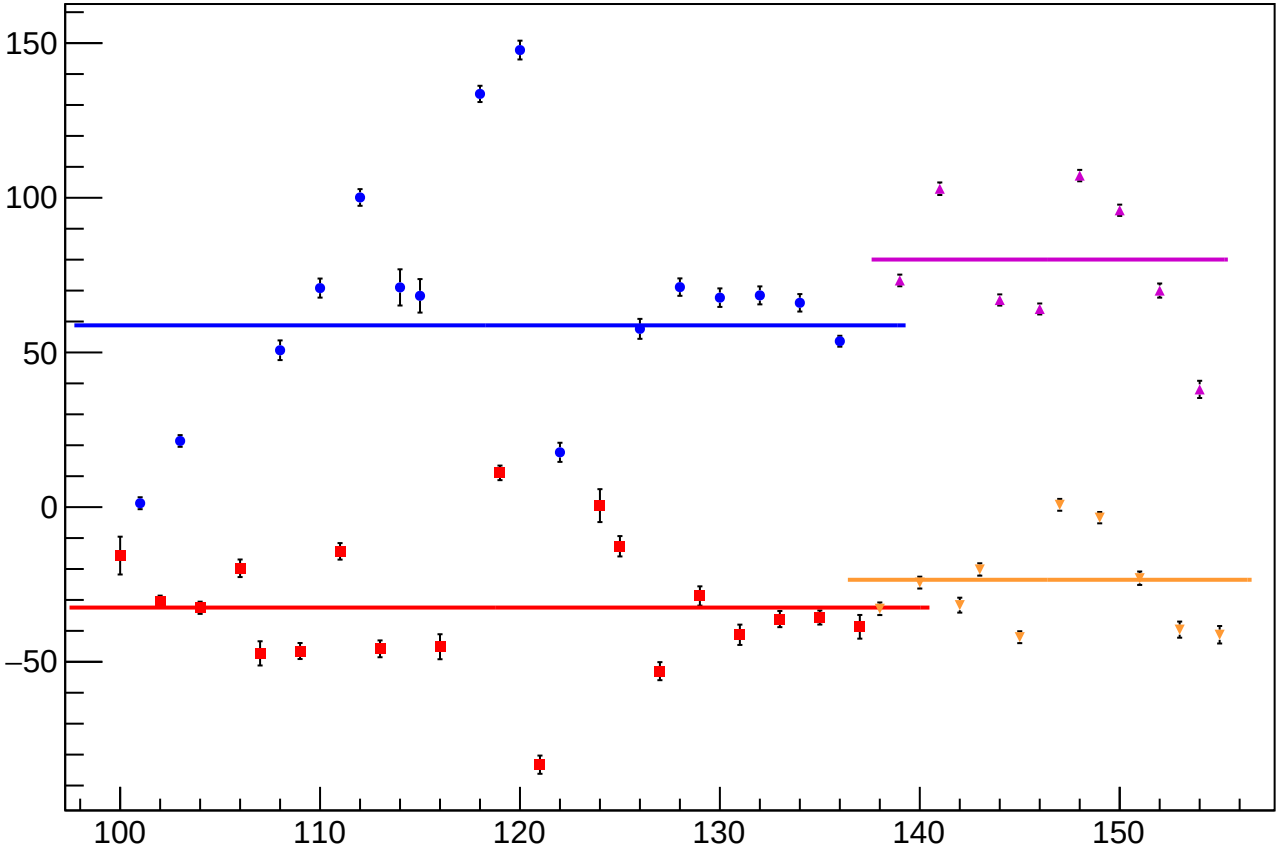
Left In: 1343.176+/-0.362 χ^2/NDF:207184.4/7

+ sign 1456.566+/-0.268 χ^2/NDF: 491008.0/25

All: 1454.638+/-0.191 χ^2/NDF: 1070874.0/52

- sign 1452.638+/-0.273 χ^2/NDF: 579760.3/26

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -23.486+/-0.665 χ^2/NDF:487.4/9

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

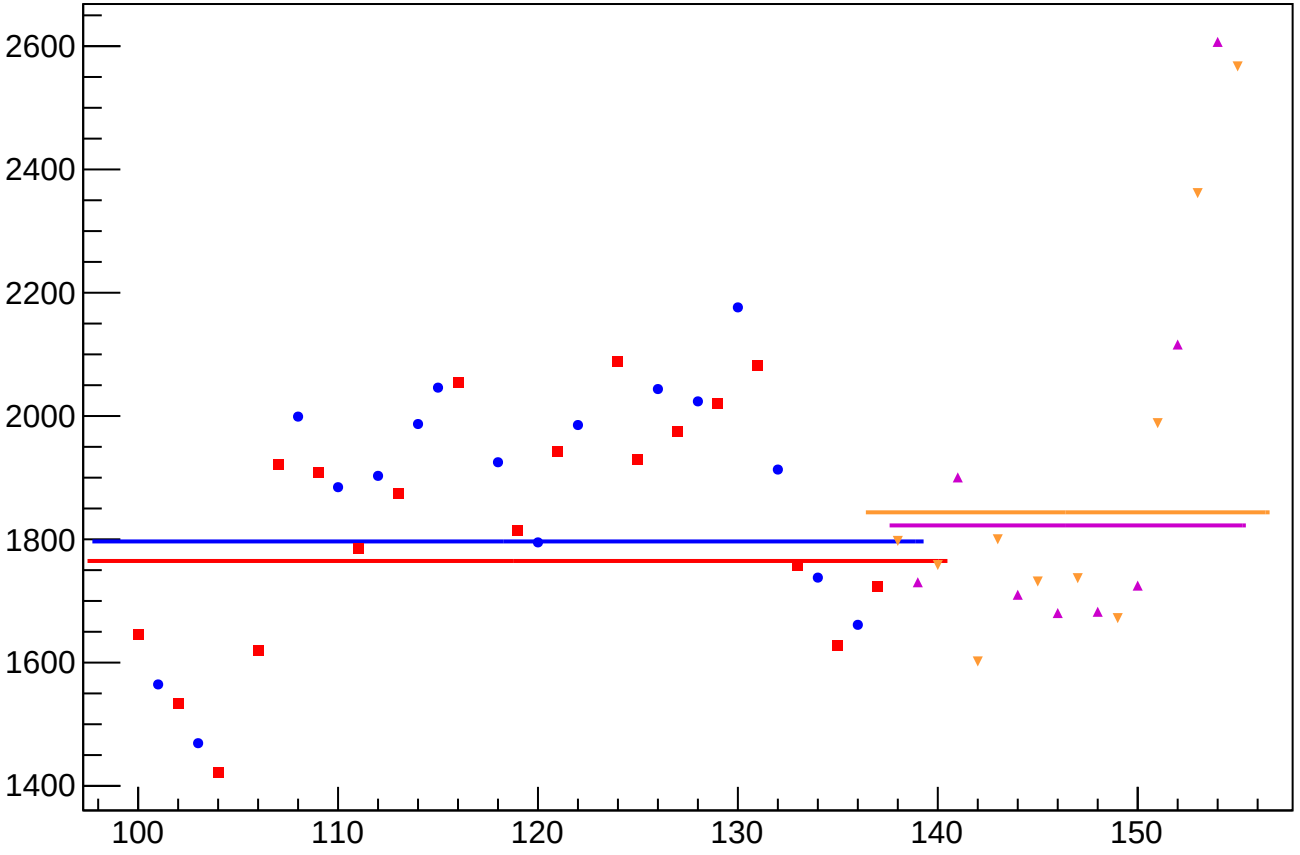
Left In: 80.034+/-0.696 χ^2/NDF:814.4/7

+ sign 17.181+/-0.473 χ^2/NDF: 11493.6/25

All: 18.506+/-0.335 χ^2/NDF: 27249.4/52

- sign 19.839+/-0.474 χ^2/NDF: 15740.0/26

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1843.776+/-0.470 χ^2/NDF:275711.6/9

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

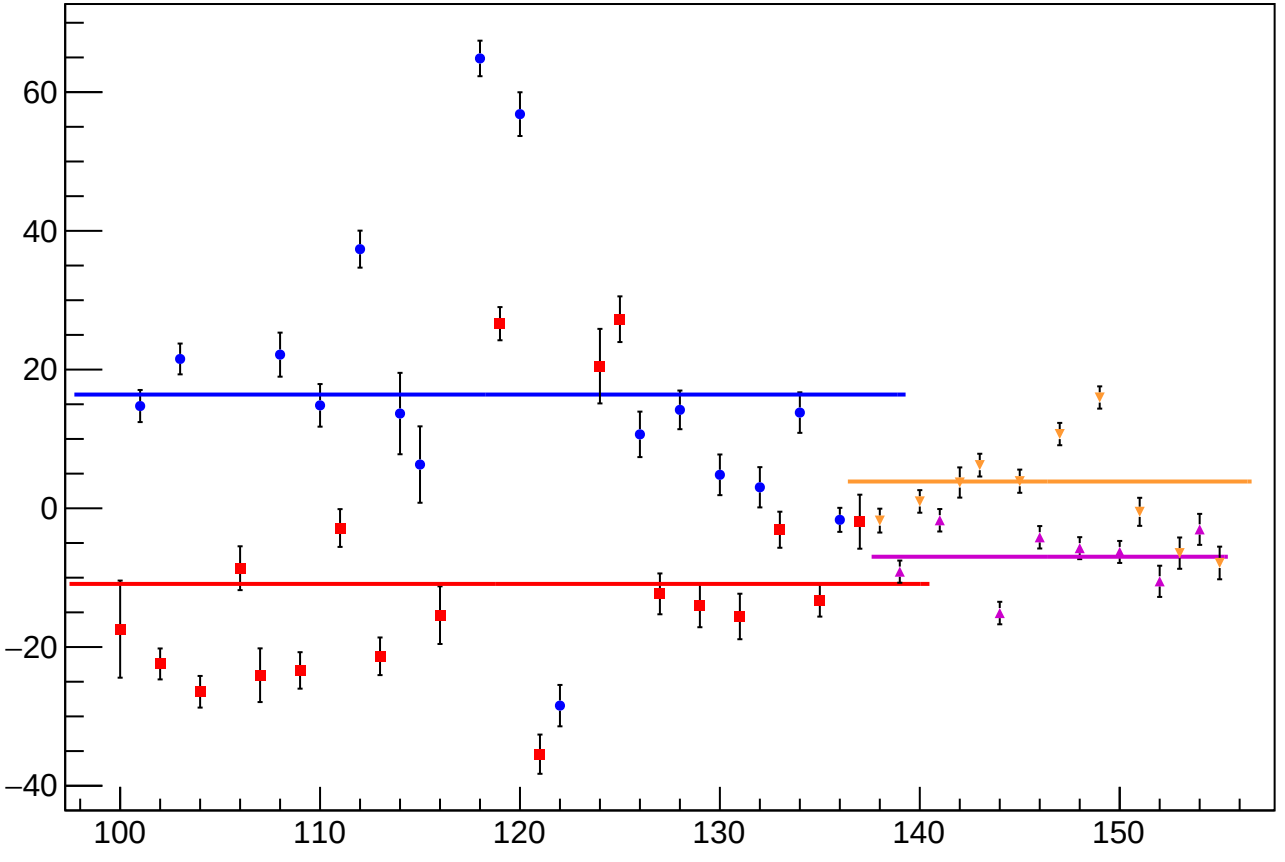
Left In: 1822.534+/-0.492 χ^2/NDF:237695.9/7

+ sign 1820.428+/-0.334 χ^2/NDF: 473869.5/25

All: 1806.096+/-0.237 χ^2/NDF: 912595.5/52

- sign 1791.675+/-0.335 χ^2/NDF: 435039.9/26

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.863+/-0.573 χ^2/NDF:141.4/9

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

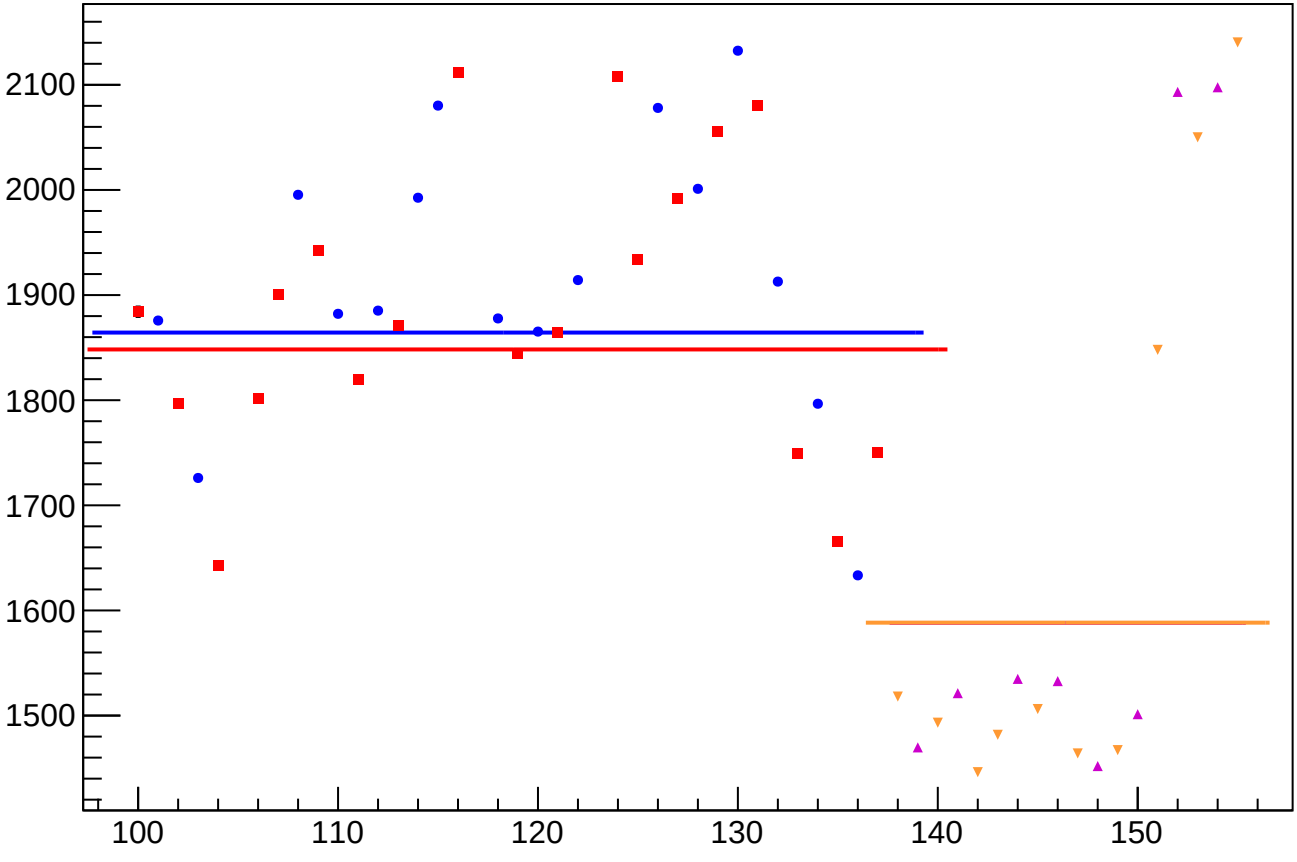
Left In: -6.981+/-0.605 χ^2/NDF:46.9/7

+ sign 8.931+/-0.442 χ^2/NDF: 1308.3/25

All: 0.284+/-0.316 χ^2/NDF: 2797.3/52

- sign -8.723+/-0.451 χ^2/NDF: 707.2/26

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1588.380+/-0.405 χ^2/NDF:282002.4/9

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

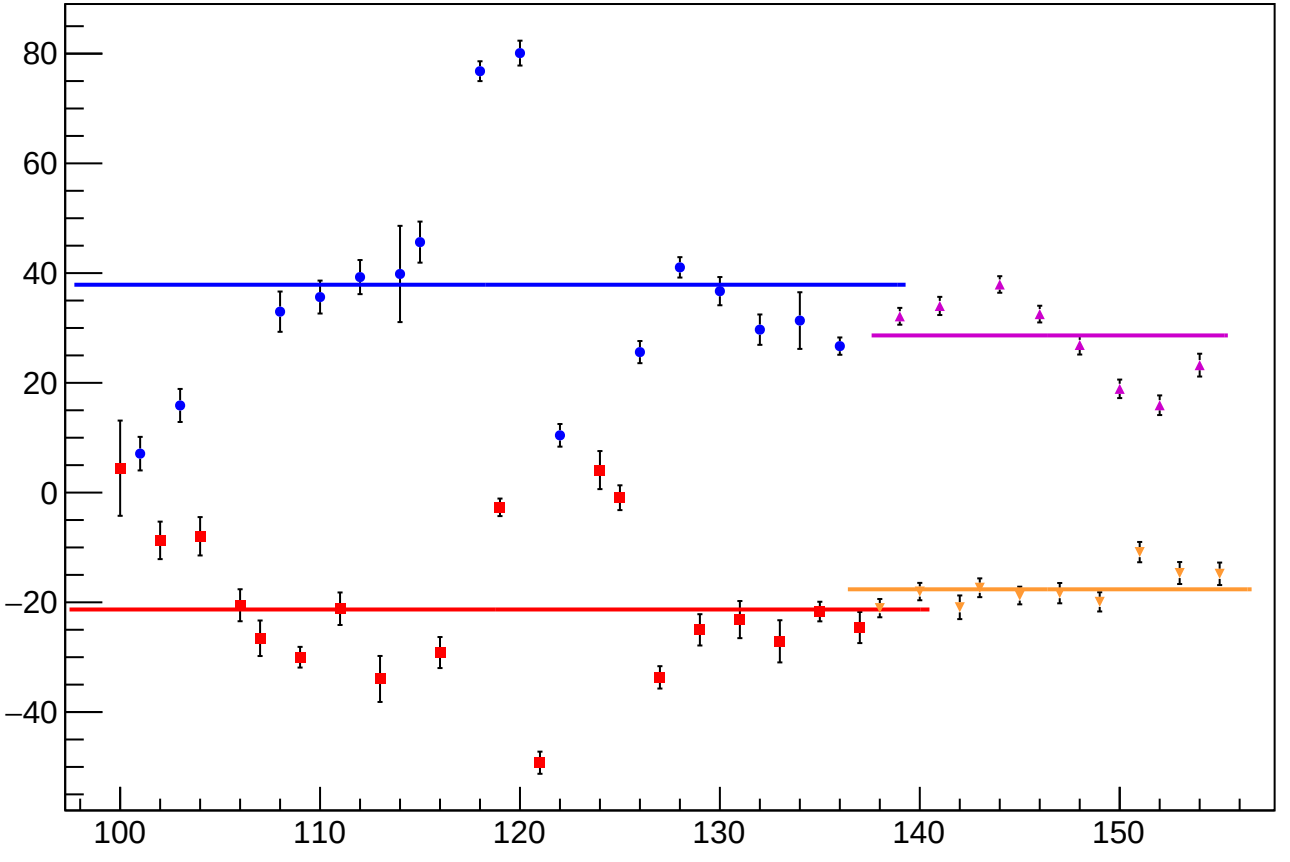
Left In: 1588.085+/-0.428 χ^2/NDF:244471.9/7

+ sign 1699.942+/-0.312 χ^2/NDF: 553165.7/25

All: 1701.837+/-0.223 χ^2/NDF: 1037069.0/52

- sign 1703.811+/-0.319 χ^2/NDF: 483828.2/26

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.629+/-0.568 χ^2/NDF:26.5/9

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

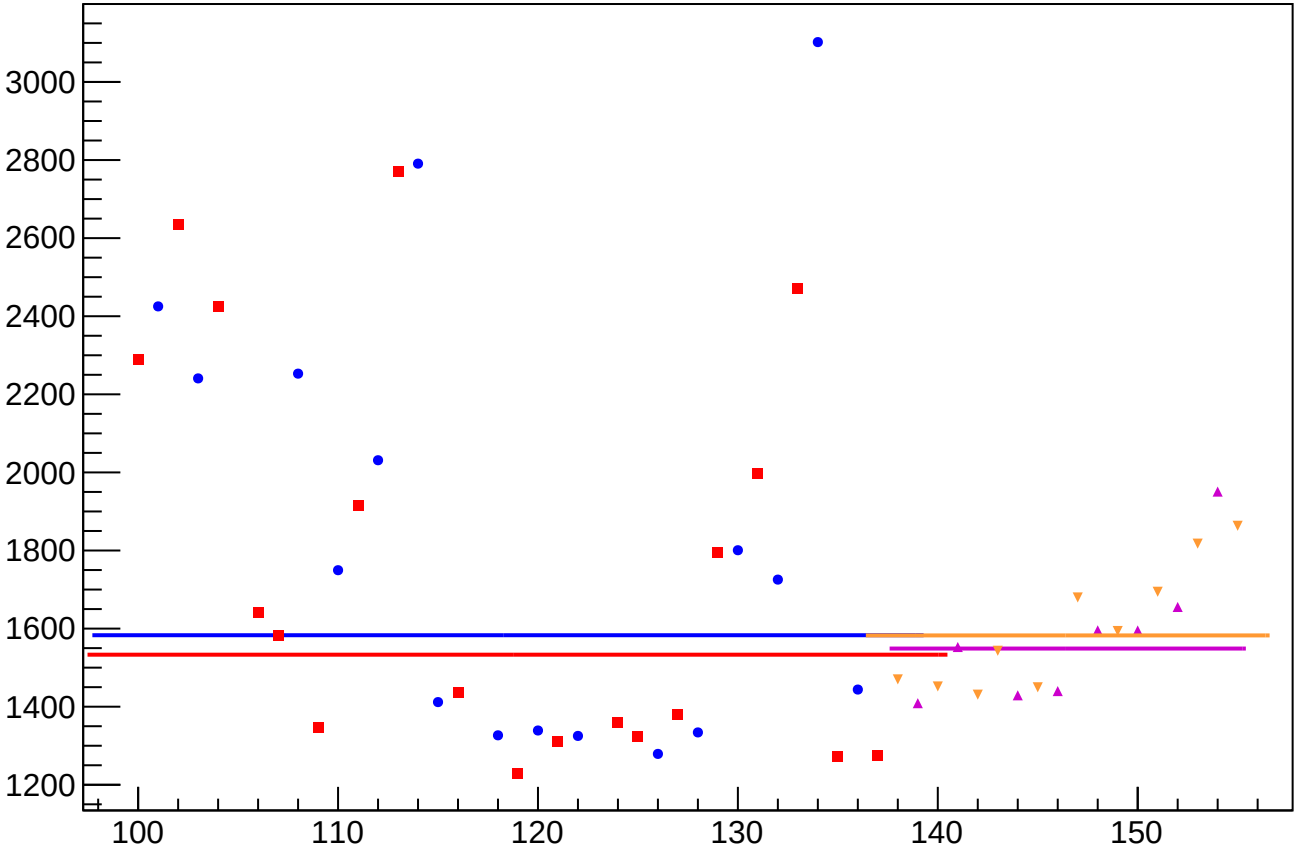
Left In: 28.641+/-0.589 χ^2/NDF:151.7/7

\+ sign 7.601+/-0.420 χ^2/NDF: 5615.7/25

All: 5.711+/-0.296 χ^2/NDF: 9962.5/52

\- sign 3.838+/-0.418 χ^2/NDF: 4306.4/26

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1582.552+/-0.402 χ^2/NDF:125317.8/9

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

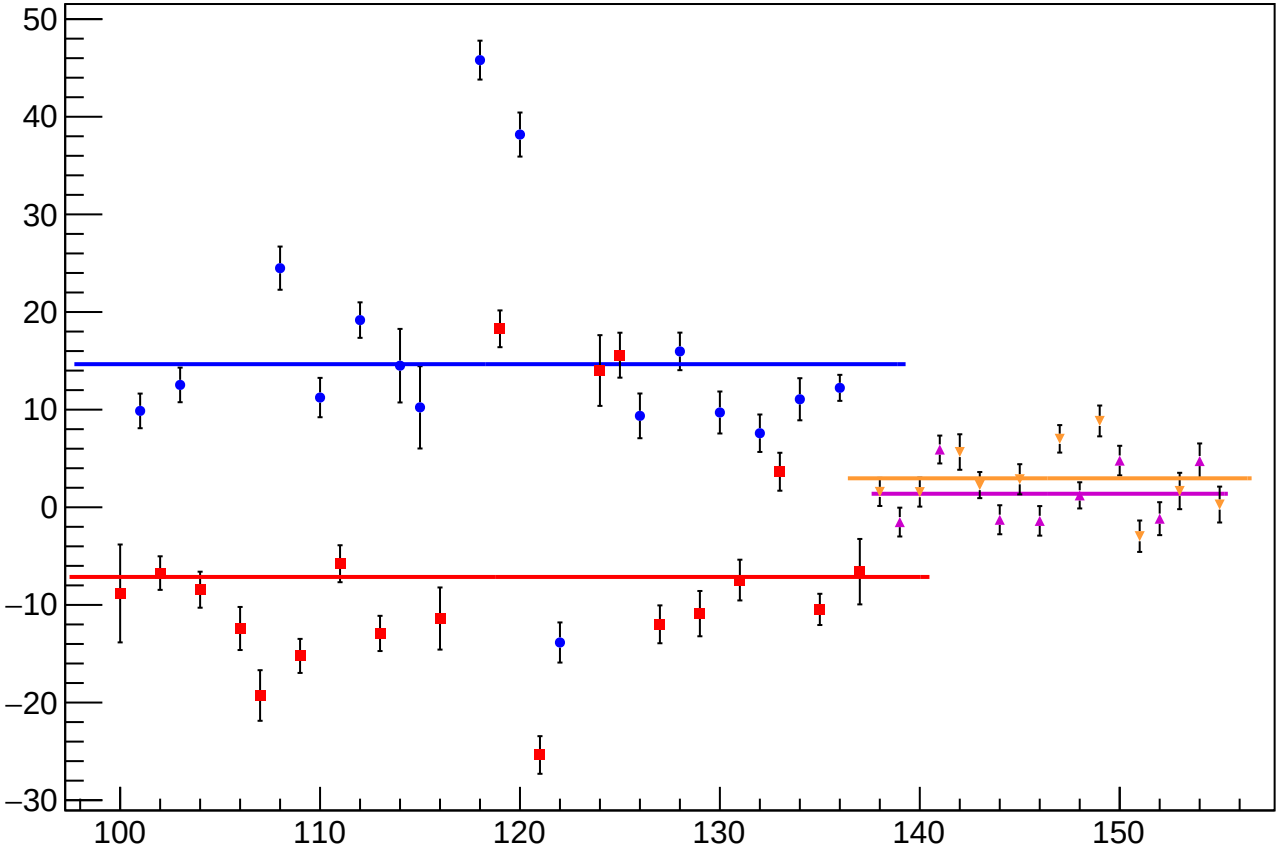
Left In: 1548.894+/-0.416 χ^2/NDF:124242.8/7

+ sign 1582.778+/-0.297 χ^2/NDF: 912990.8/25

All: 1561.850+/-0.209 χ^2/NDF: 1998627.5/52

- sign 1541.095+/-0.295 χ^2/NDF: 1075726.5/26

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.968+/-0.494 χ^2/NDF:42.6/9

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

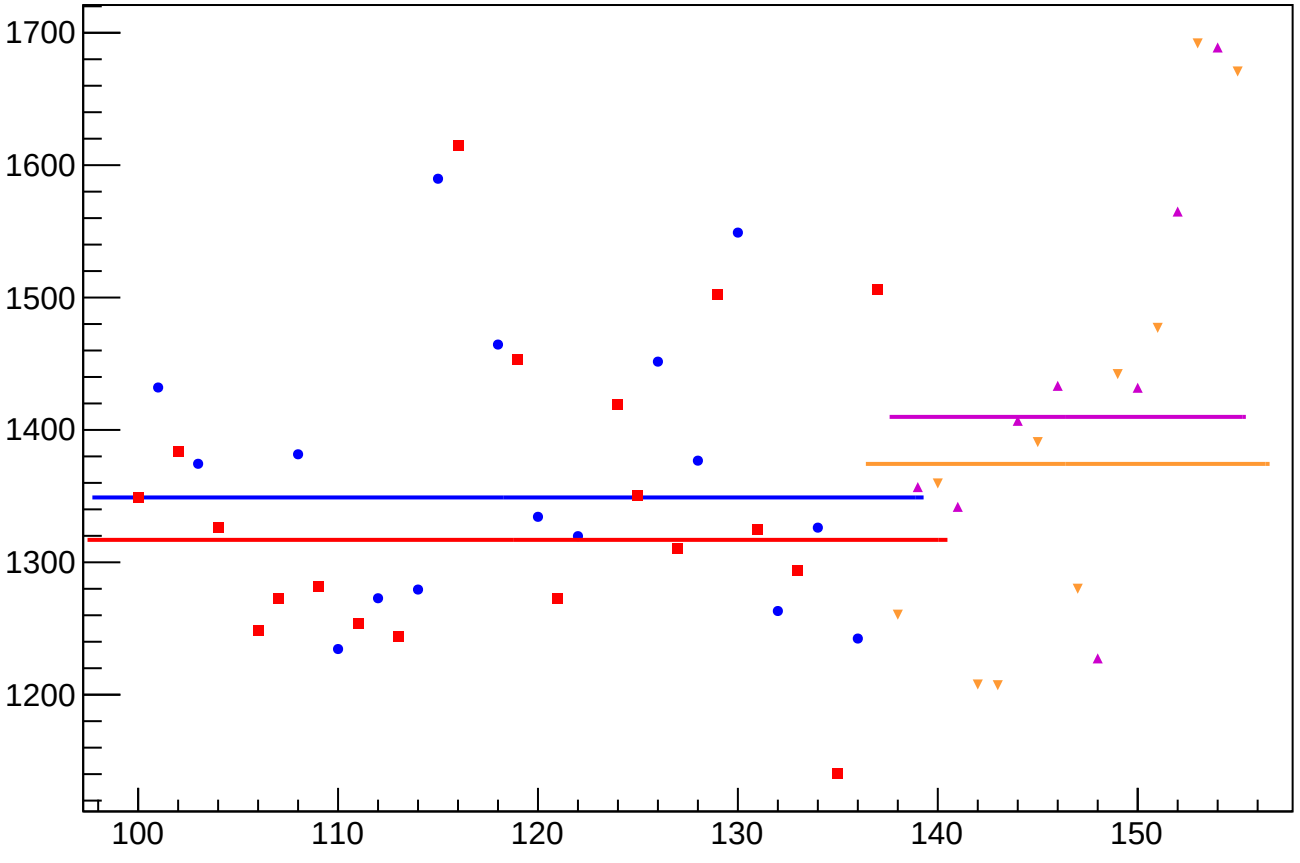
Left In: 1.386+/-0.535 χ^2/NDF:31.3/7

+ sign 8.693+/-0.353 χ^2/NDF: 931.4/25

All: 2.787+/-0.252 χ^2/NDF: 2180.4/52

- sign -3.308+/-0.359 χ^2/NDF: 680.4/26

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1374.342+/-0.349 χ^2/NDF:191964.8/9

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

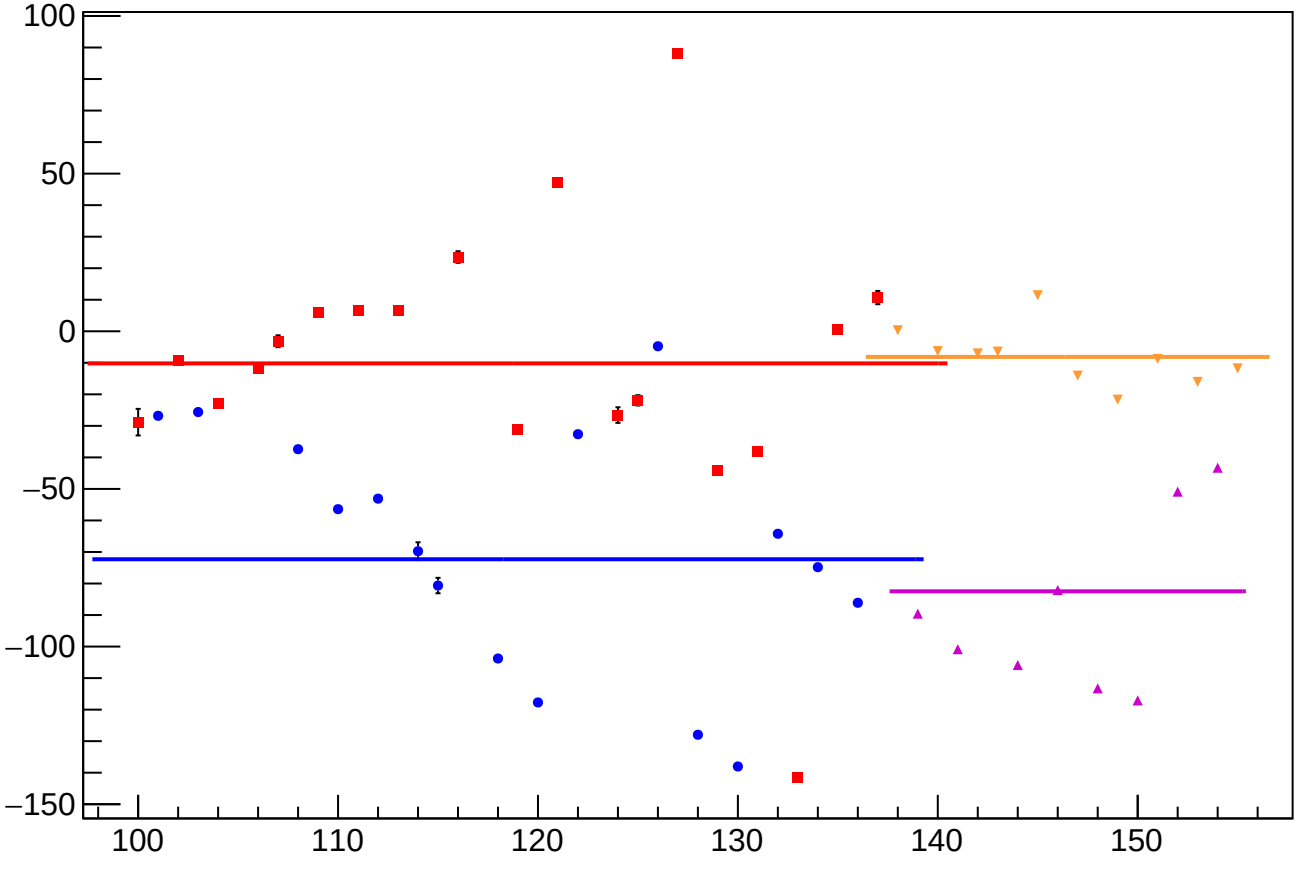
Left In: 1409.860+/-0.378 χ^2/NDF:110047.4/7

+ sign 1361.932+/-0.250 χ^2/NDF: 262923.6/25

All: 1360.329+/-0.178 χ^2/NDF: 493127.2/52

- sign 1358.676+/-0.254 χ^2/NDF: 230119.9/26

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -8.129+/-0.317 χ^2/NDF:691.9/9

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

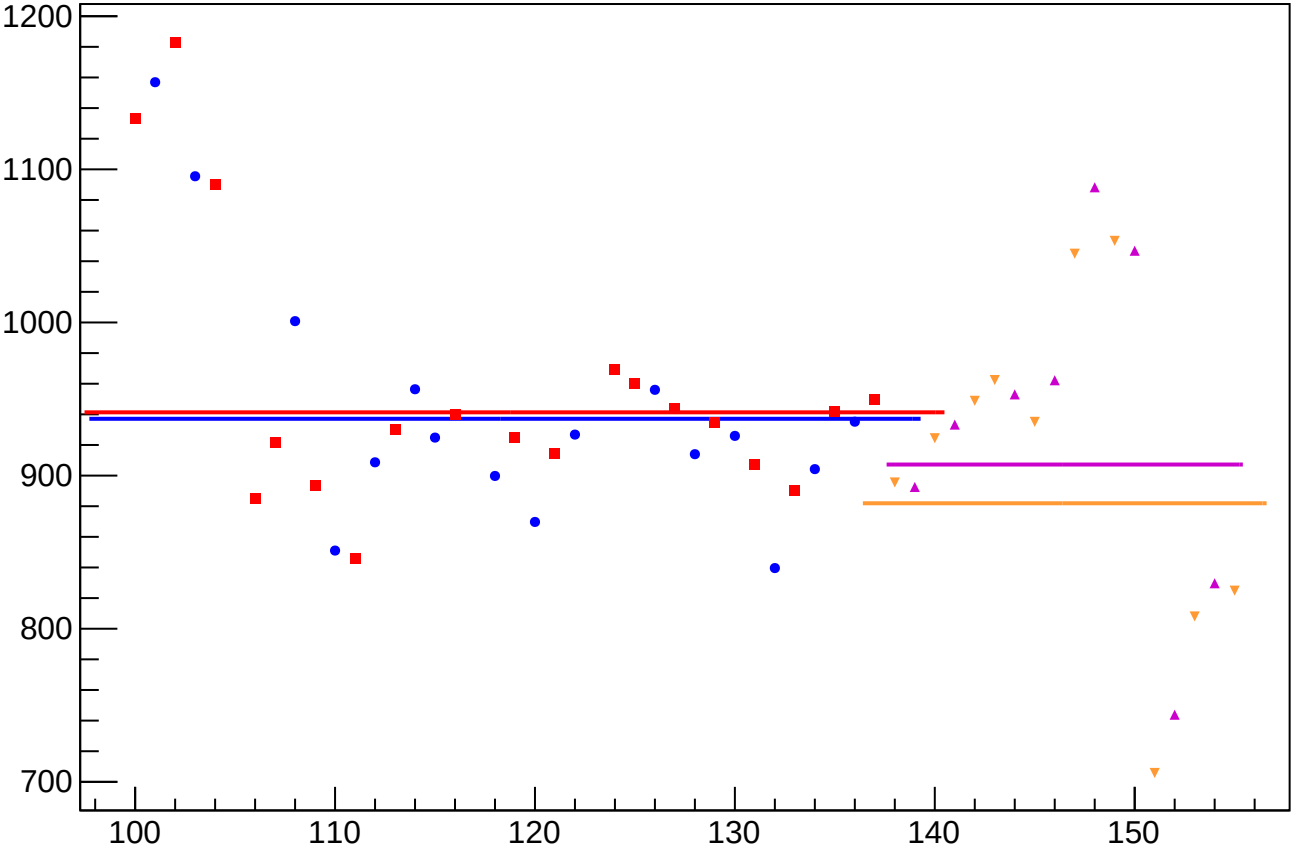
Left In: -82.473+/-0.345 χ^2/NDF:6100.5/7

+ sign -37.135+/-0.235 χ^2/NDF: 31327.5/25

All: -41.534+/-0.169 χ^2/NDF: 79174.4/52

- sign -46.272+/-0.244 χ^2/NDF: 47118.8/26

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 881.930+/-0.224 χ^2/NDF:236250.4/9

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

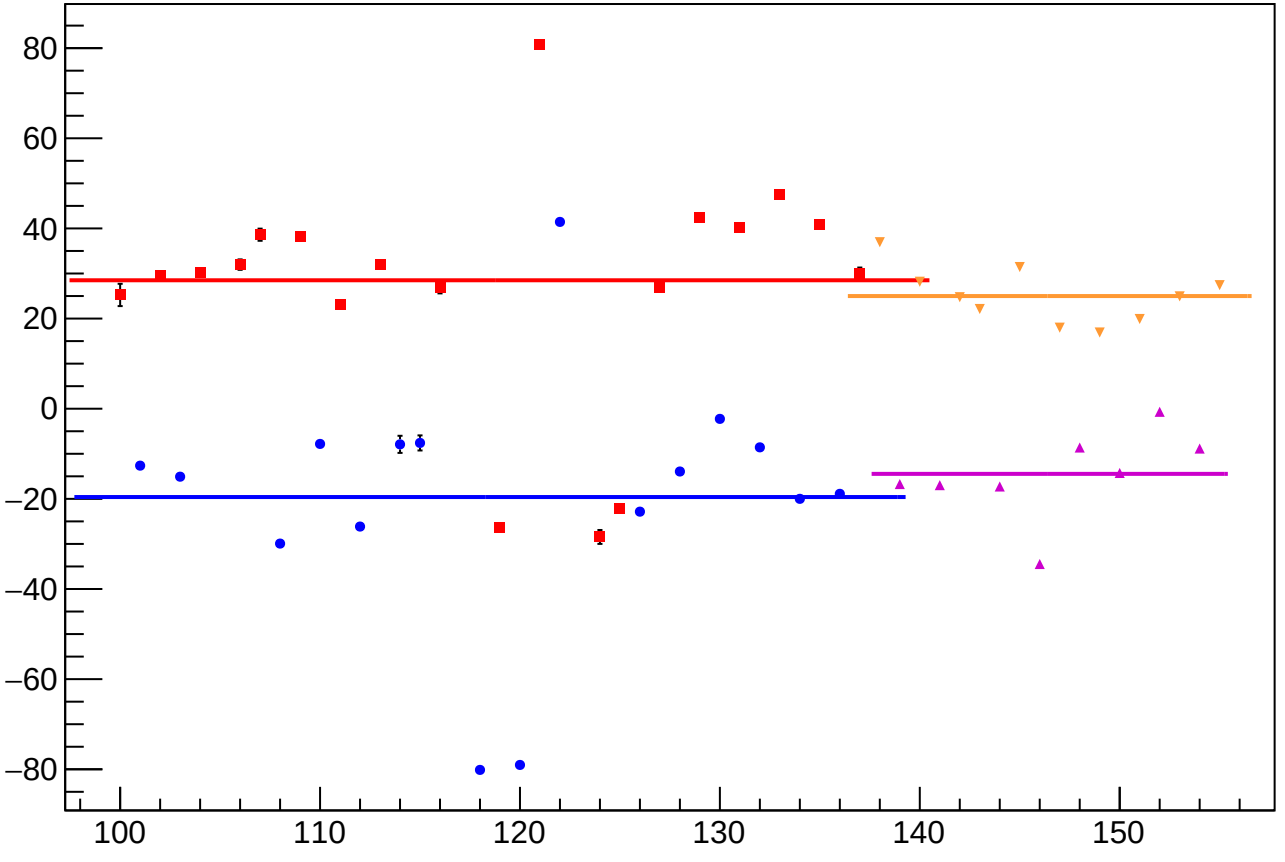
Left In: 907.226+/-0.244 χ^2/NDF:188521.8/7

+ sign 906.865+/-0.166 χ^2/NDF: 368225.6/25

All: 915.260+/-0.120 χ^2/NDF: 672861.0/52

- sign 924.302+/-0.172 χ^2/NDF: 299331.1/26

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.994+/-0.232 χ^2/NDF:671.6/9

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

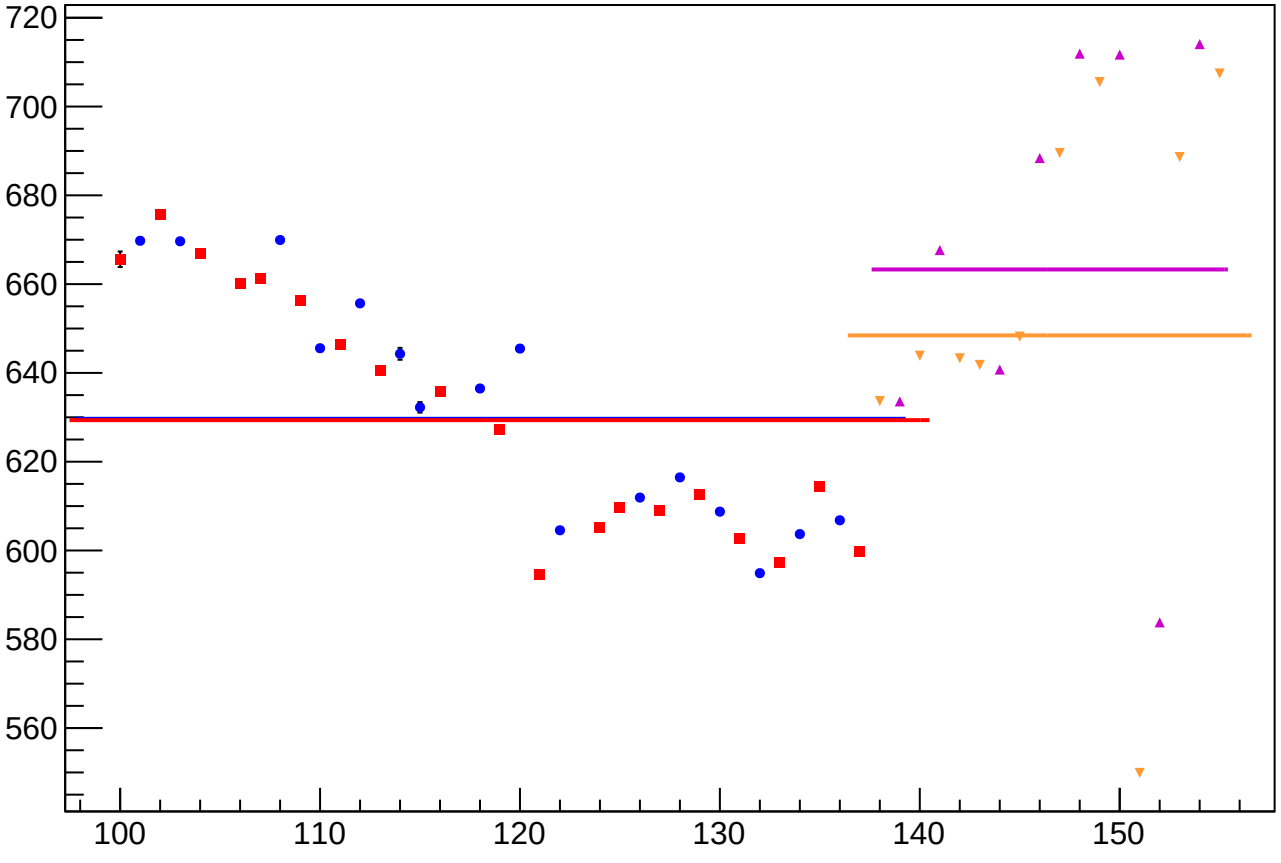
Left In: -14.456+/-0.251 χ^2/NDF:1384.1/7

+ sign 2.861+/-0.165 χ^2/NDF: 32121.4/25

All: 5.824+/-0.118 χ^2/NDF: 63050.2/52

- sign 8.957+/-0.170 χ^2/NDF: 30264.4/26

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 648.447+/-0.164 χ^2/NDF:89163.8/9

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

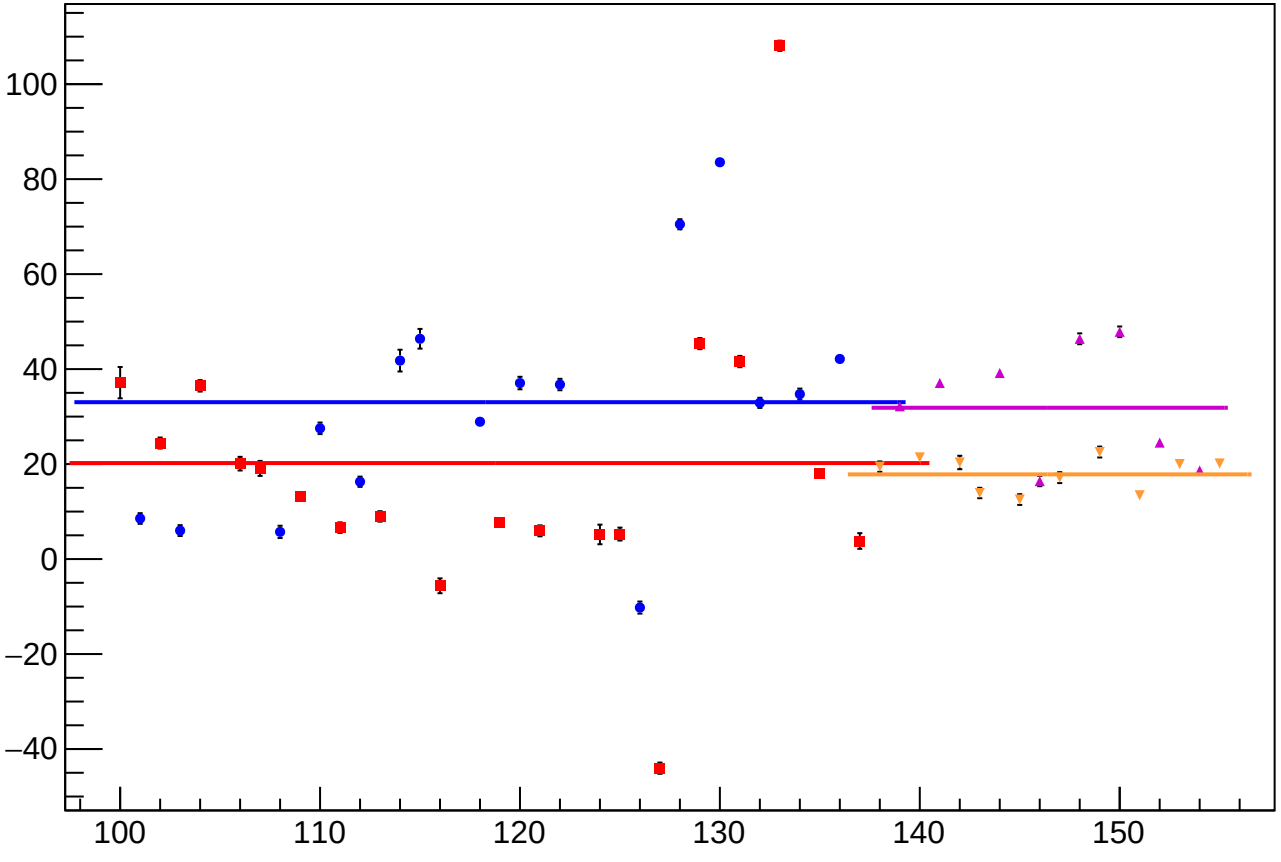
Left In: 663.303+/-0.178 χ^2/NDF:64830.6/7

+ sign 639.122+/-0.117 χ^2/NDF: 120969.1/25

All: 641.882+/-0.084 χ^2/NDF: 233613.2/52

- sign 644.801+/-0.120 χ^2/NDF: 111491.0/26

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.832+/-0.341 χ^2/NDF:103.7/9

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

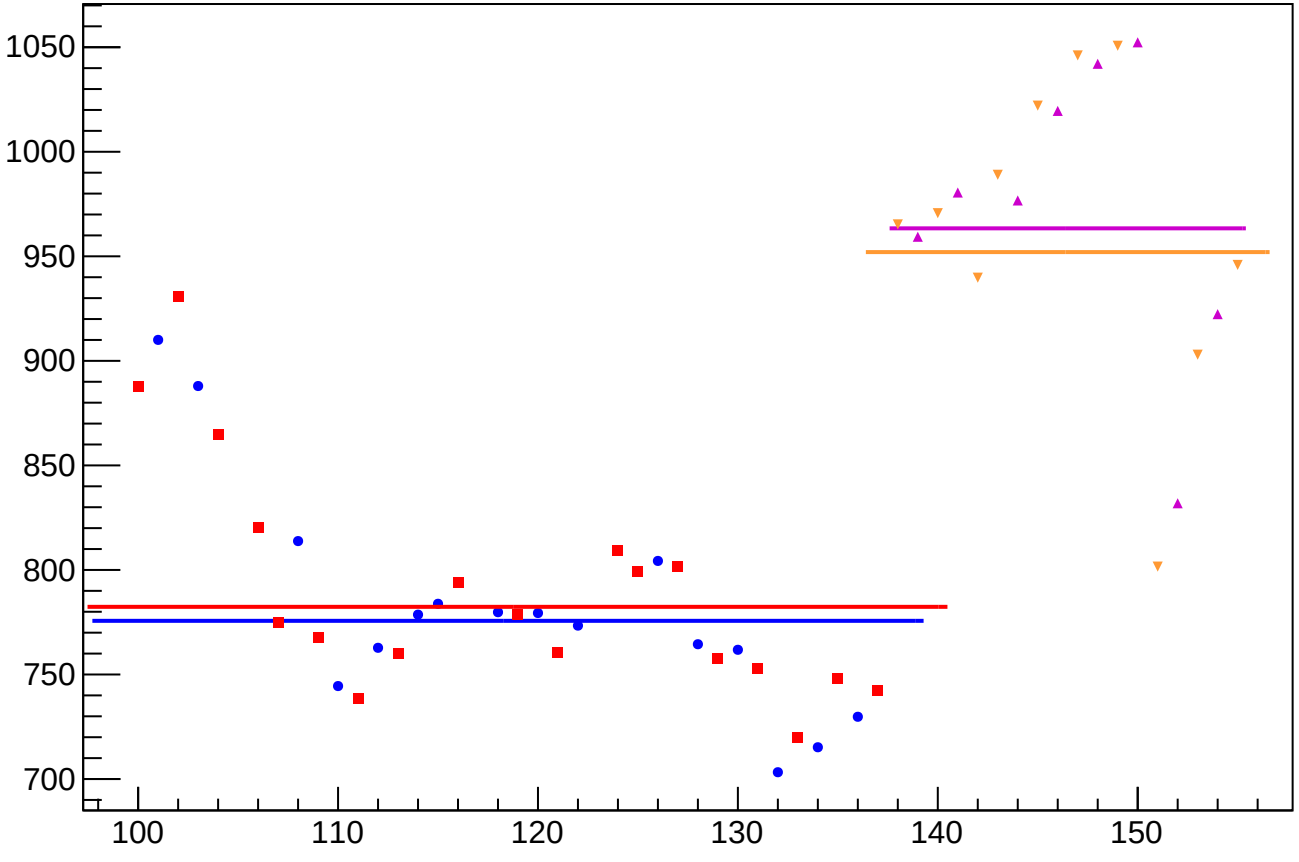
Left In: 31.860+/-0.365 χ^2/NDF:898.6/7

\+ sign 26.682+/-0.220 χ^2/NDF: 7960.5/25

All: 25.684+/-0.158 χ^2/NDF: 21401.3/52

\- sign 24.643+/-0.225 χ^2/NDF: 13398.9/26

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 952.022+/-0.241 χ^2/NDF:103436.9/9

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

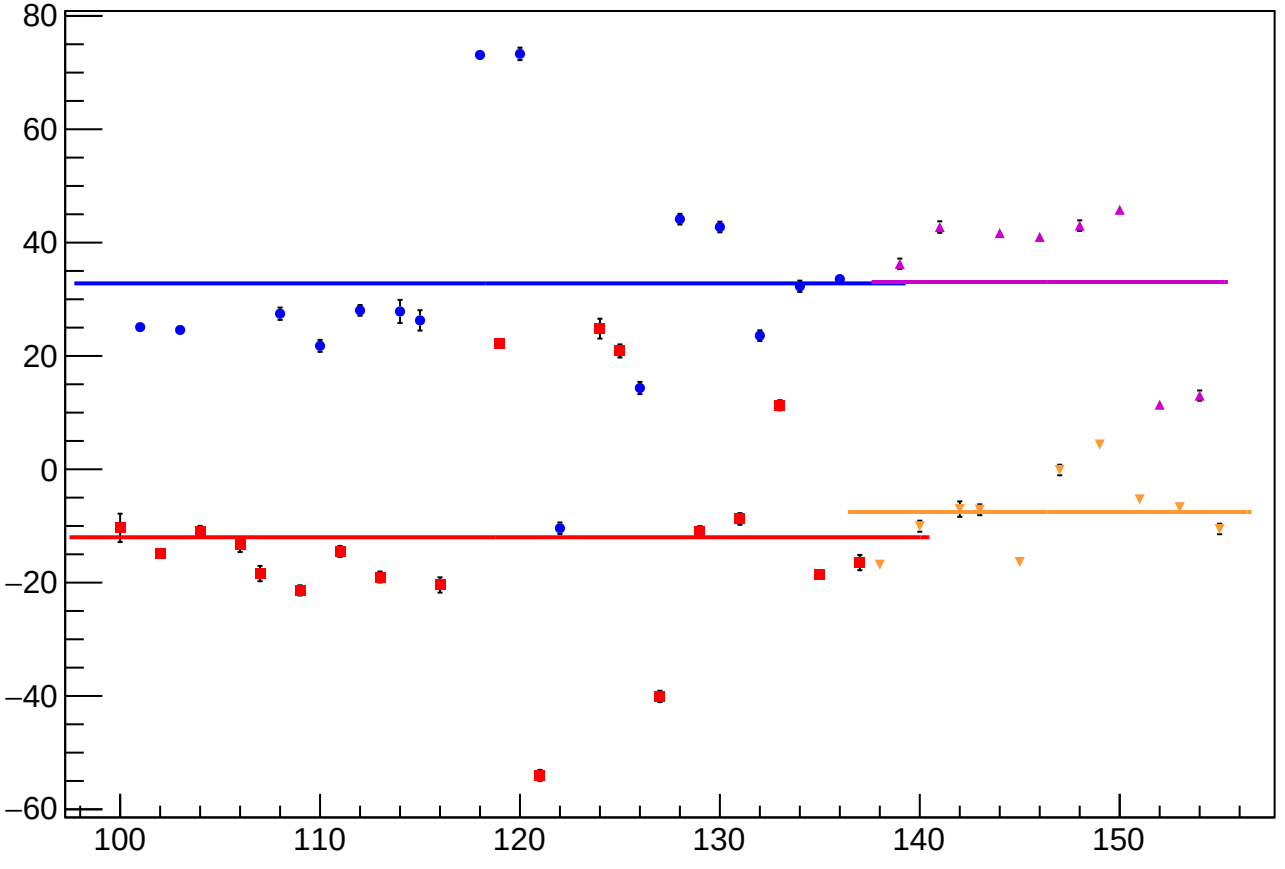
Left In: 963.376+/-0.258 χ^2/NDF:75244.1/7

\+ sign 849.345+/-0.156 χ^2/NDF: 489456.4/25

All: 850.249+/-0.111 χ^2/NDF: 934089.9/52

\- sign 851.192+/-0.159 χ^2/NDF: 444564.7/26

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.533+/-0.285 χ^2/NDF:485.1/9

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

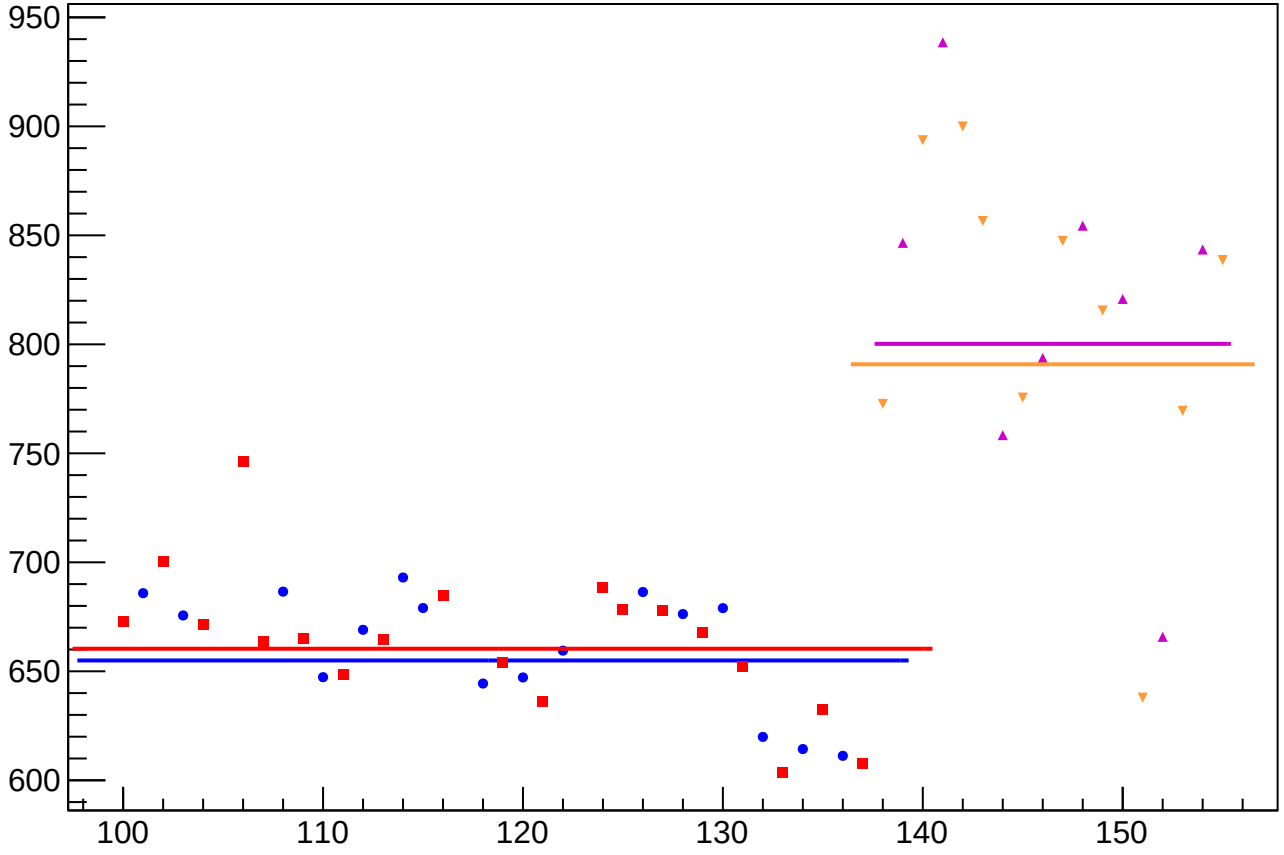
Left In: 33.049+/-0.305 χ^2/NDF:2028.2/7

+ sign 15.756+/-0.185 χ^2/NDF: 18340.5/25

All: 10.648+/-0.132 χ^2/NDF: 41889.2/52

- sign 5.305+/-0.189 χ^2/NDF: 21989.5/26

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 790.842+/-0.201 χ^2/NDF:158653.7/9

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

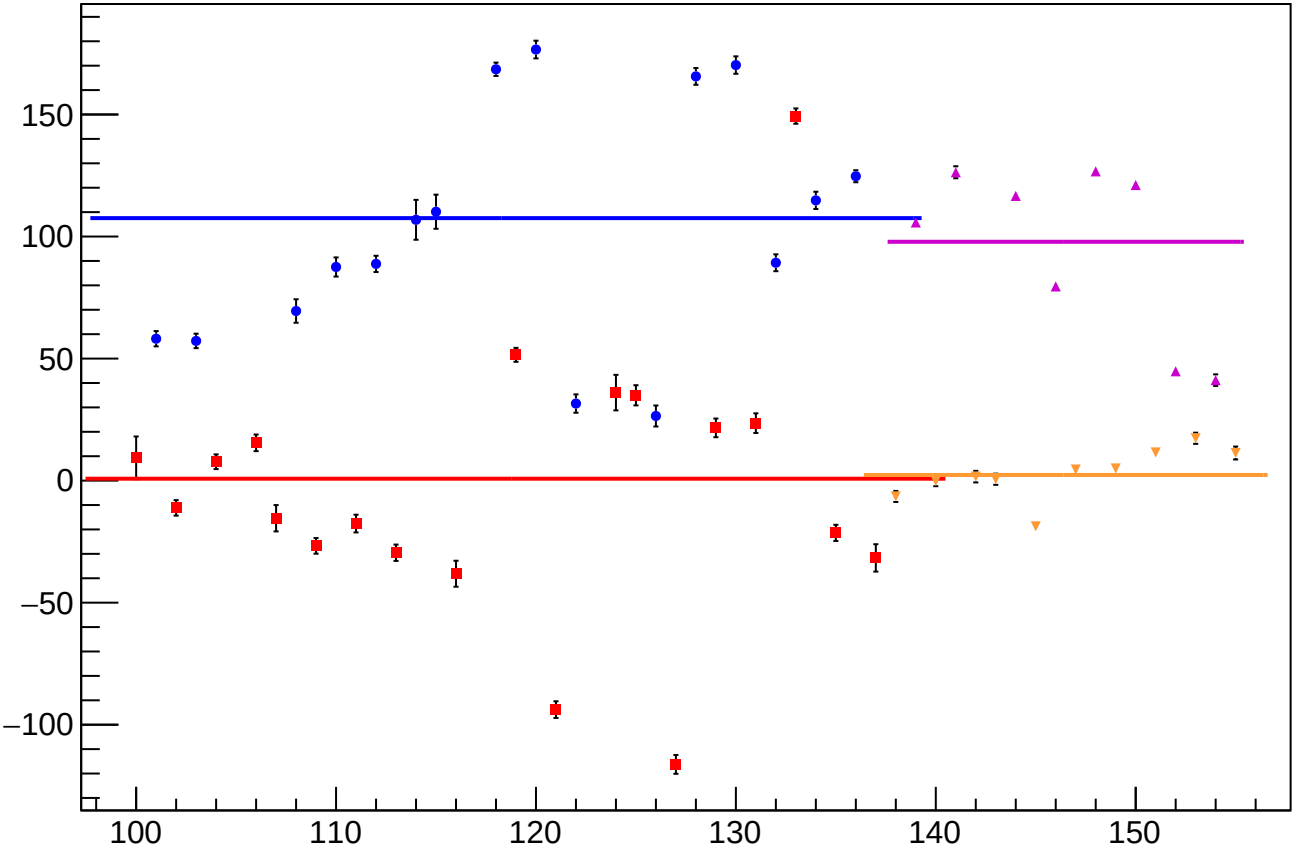
Left In: 800.218+/-0.216 χ^2/NDF:129189.7/7

+ sign 712.394+/-0.131 χ^2/NDF: 448540.3/25

All: 713.213+/-0.094 χ^2/NDF: 866654.3/52

- sign 714.070+/-0.134 χ^2/NDF: 418033.8/26

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 2.321+/-0.659 χ^2/NDF:212.4/9

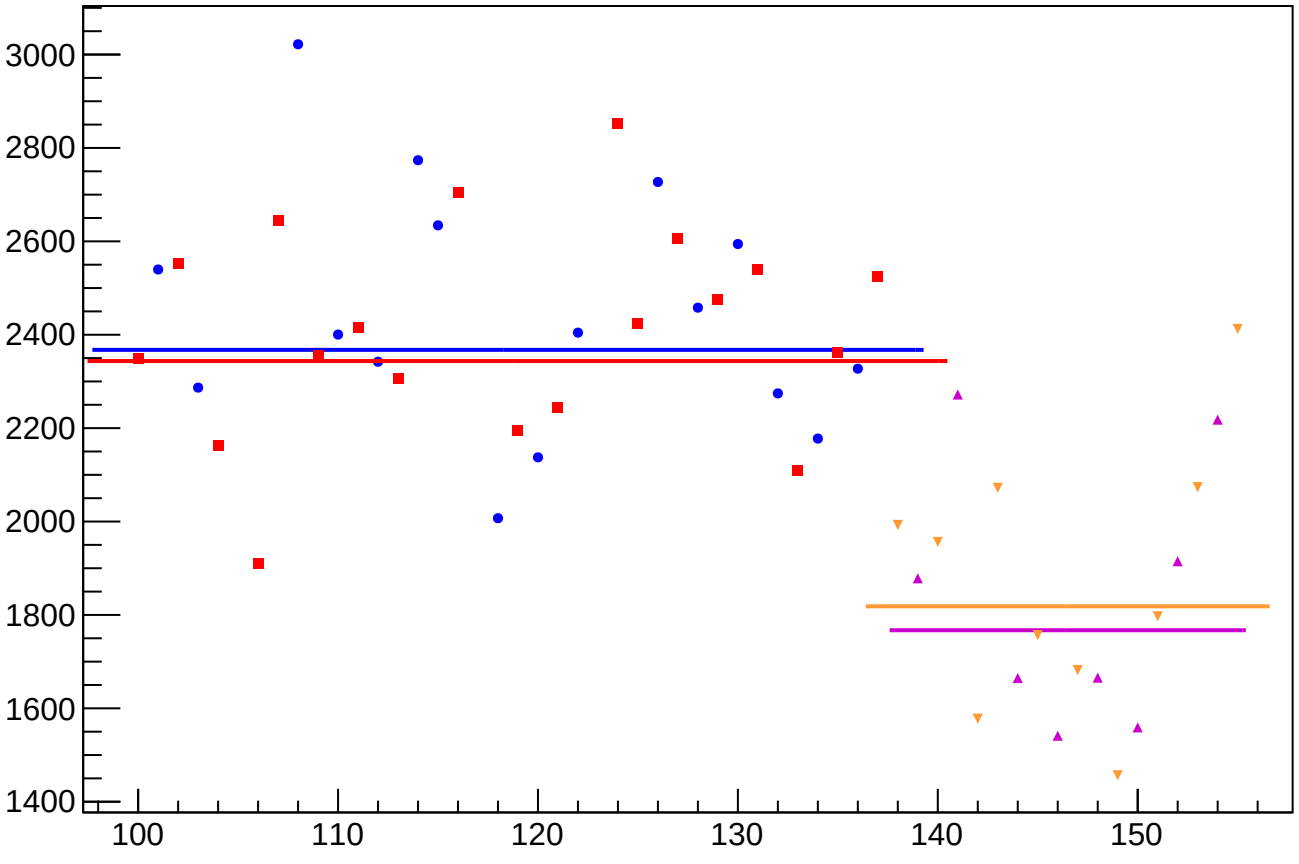
Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 97.854+/-0.679 χ^2/NDF:2059.4/7

+ sign 39.831+/-0.529 χ^2/NDF: 12259.2/25

All: 50.132+/-0.375 χ^2/NDF: 27685.5/52

- sign 60.614+/-0.533 χ^2/NDF: 14660.0/26



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1818.455+/-0.466 χ^2/NDF:305404.7/9

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

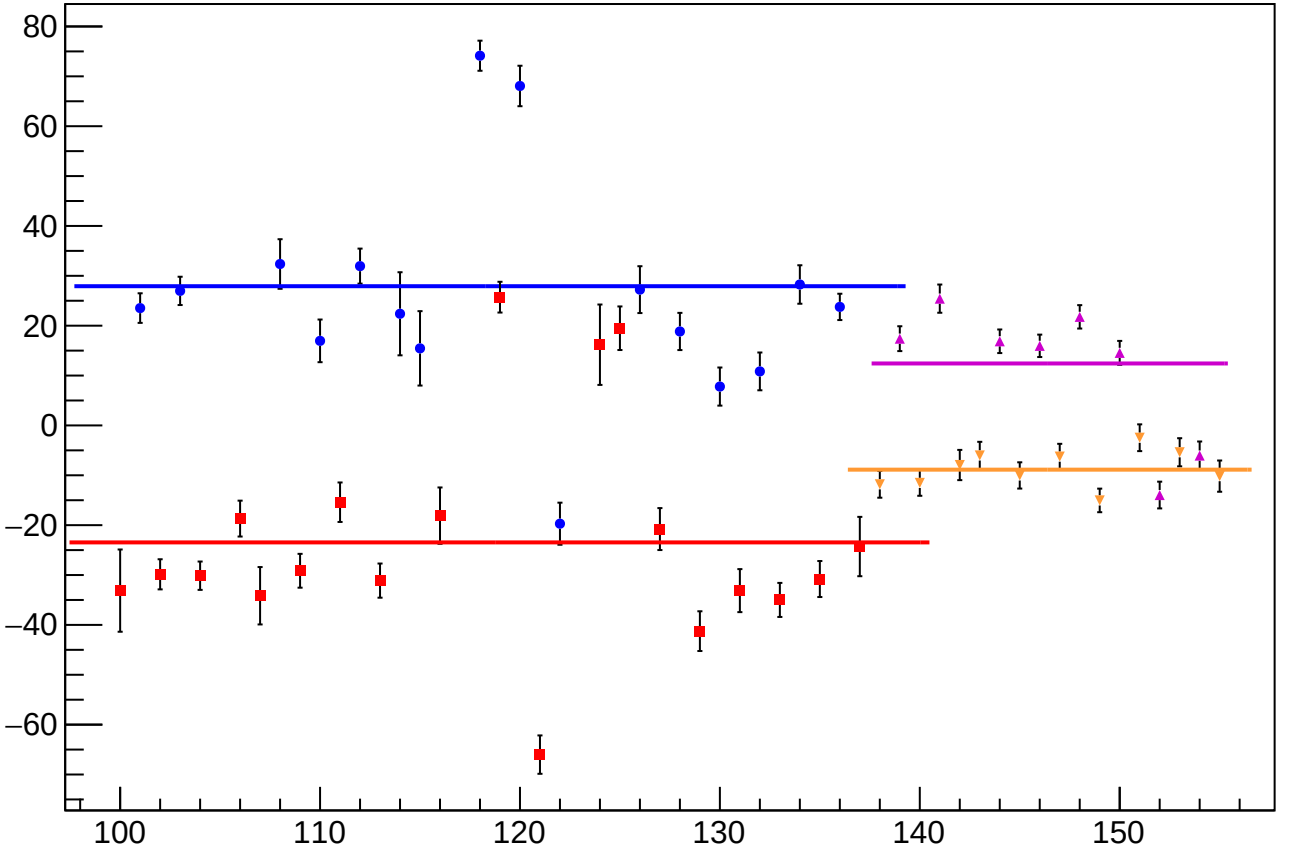
Left In: 1767.226+/-0.480 χ^2/NDF:255270.7/7

+ sign 2014.216+/-0.374 χ^2/NDF: 927405.4/25

All: 2001.419+/-0.265 χ^2/NDF: 1850143.3/52

- sign 1988.398+/-0.377 χ^2/NDF: 920373.0/26

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.870+/-0.853 χ^2/NDF:18.9/9

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

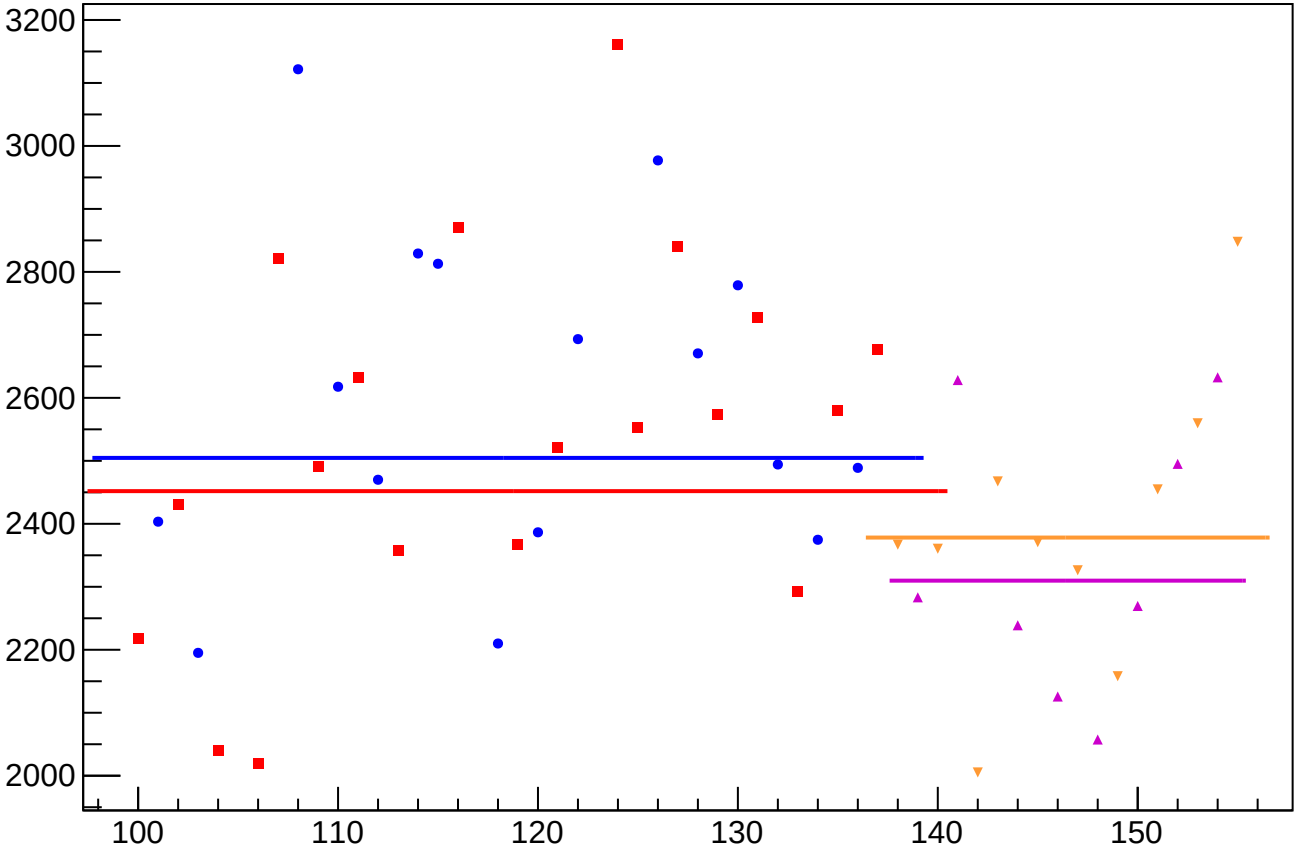
Left In: 12.424+/-0.883 χ^2/NDF:187.4/7

+ sign 7.813+/-0.631 χ^2/NDF: 1392.3/25

All: 1.351+/-0.446 χ^2/NDF: 3165.4/52

- sign -5.114+/-0.631 χ^2/NDF: 1563.2/26

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2378.168+/-0.603 χ^2/NDF:105592.9/9

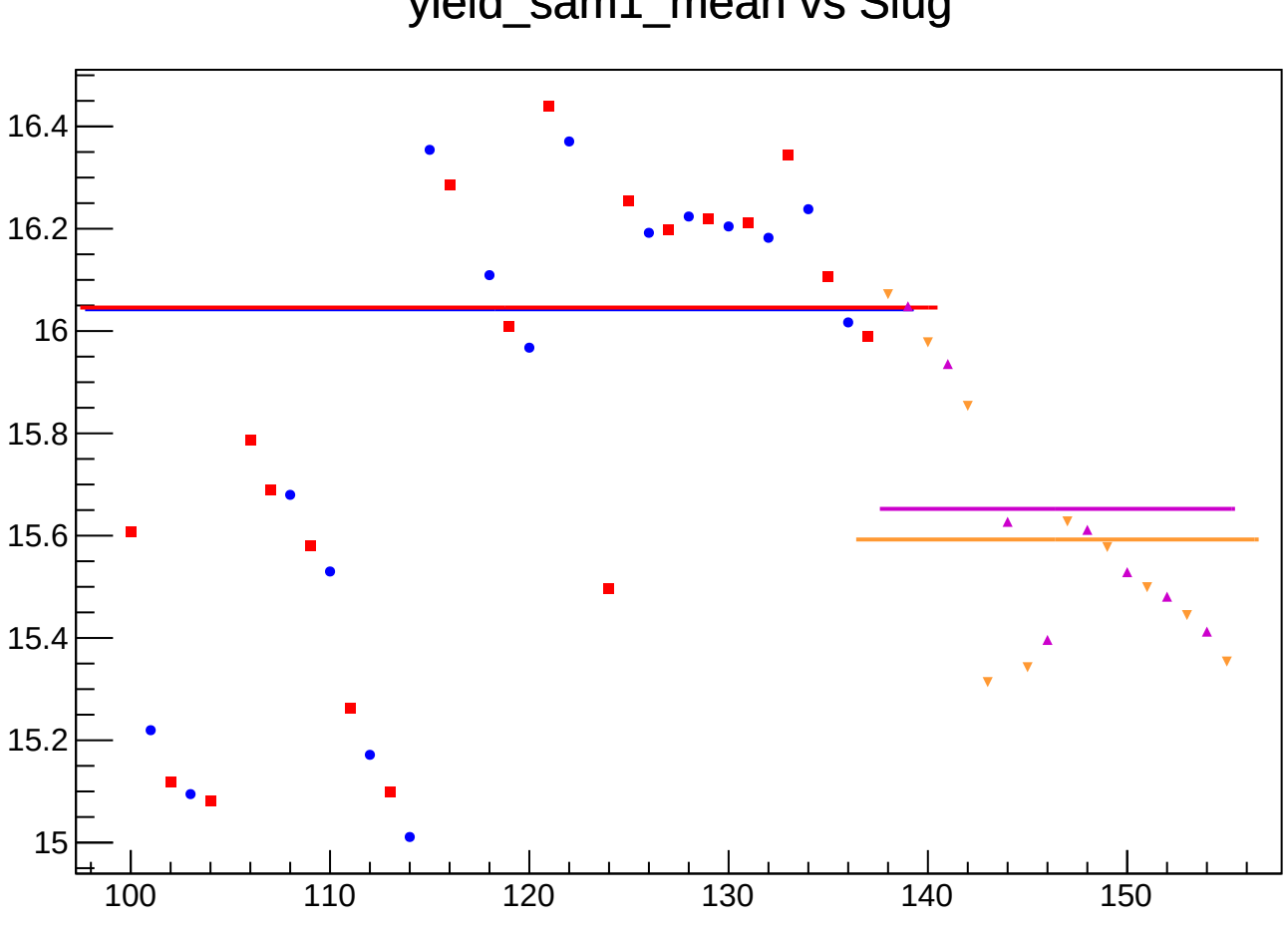
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2309.746+/-0.624 χ^2/NDF:100268.3/7

+ sign 2435.532+/-0.446 χ^2/NDF: 252118.5/25

All: 2407.384+/-0.315 χ^2/NDF: 538942.2/52

- sign 2379.218+/-0.446 χ^2/NDF: 278857.7/26



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.593+/-0.000 χ^2/NDF:5096405953.8/9

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

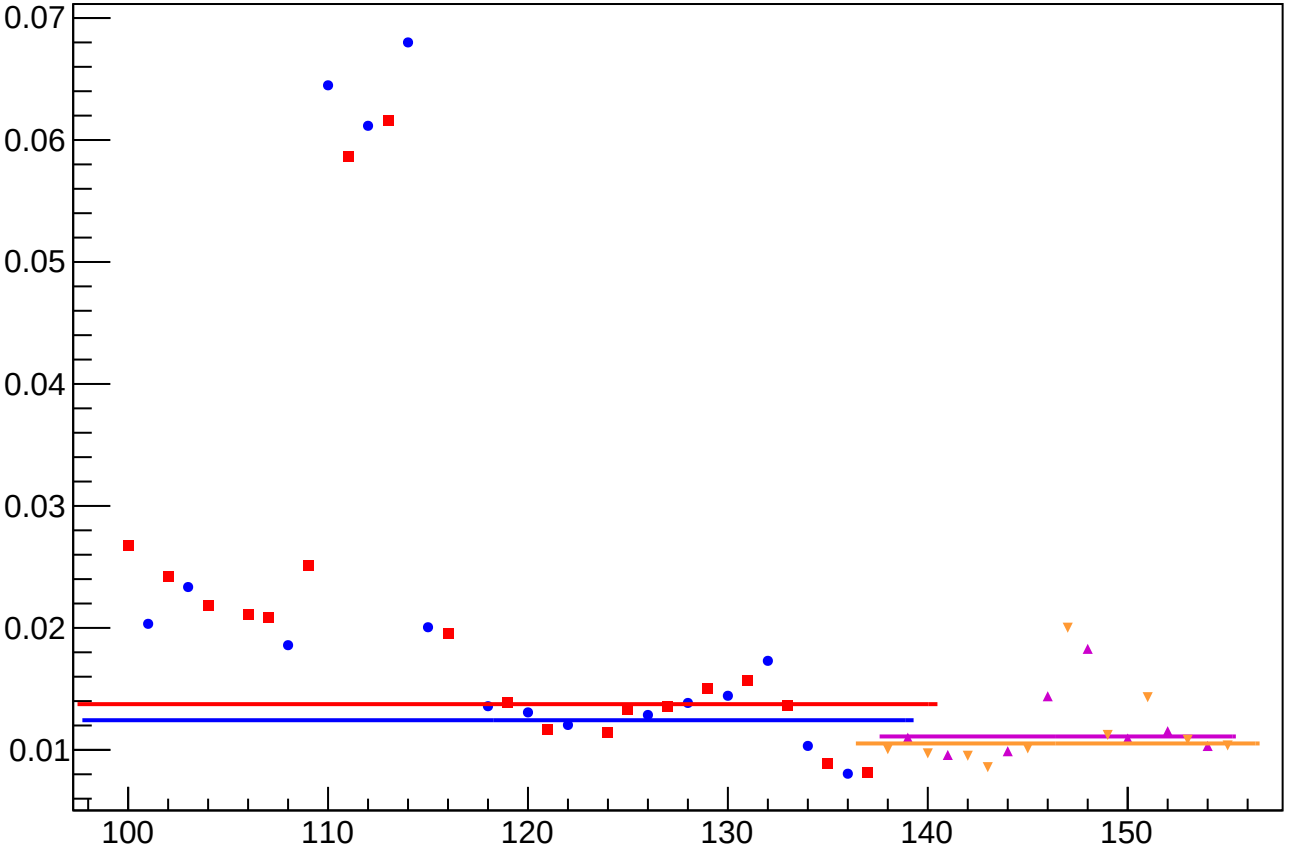
Left In: 15.652+/-0.000 χ^2/NDF:2792870054.9/7

+ sign 15.753+/-0.000 χ^2/NDF: 12583958849.0/25

All: 15.772+/-0.000 χ^2/NDF: 21971028311.4

- sign 15.796+/-0.000 χ^2/NDF: 9300944056.3/26

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:580727.5/9

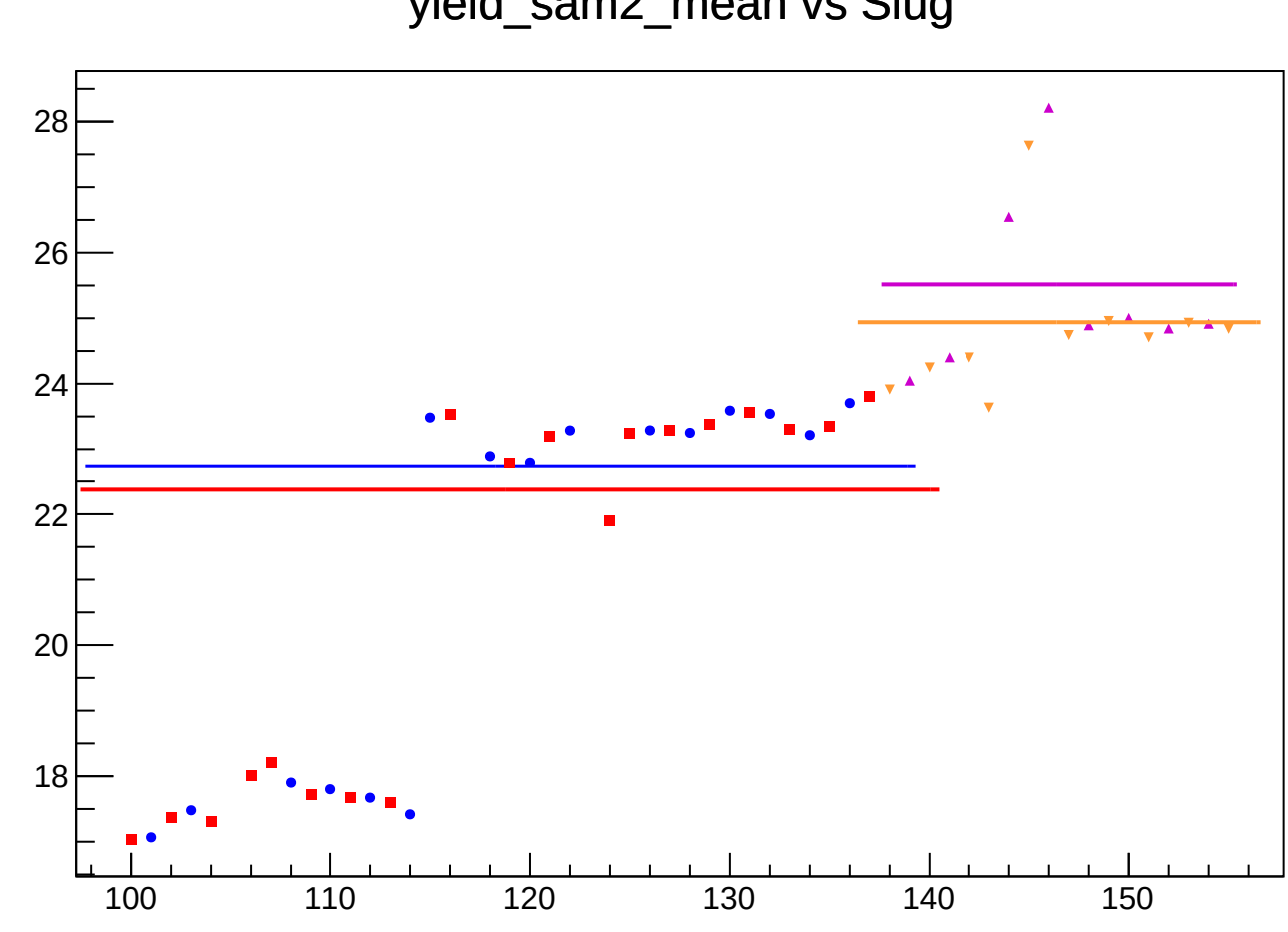
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:408078.2/7

+ sign 0.011+/-0.000 χ^2/NDF: 3064160.9/25

All: 0.012+/-0.000 χ^2/NDF: 6038248.5/52

- sign 0.012+/-0.000 χ^2/NDF: 2906496.0/26



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.939+/-0.000 χ^2/NDF:763223849.5/9

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

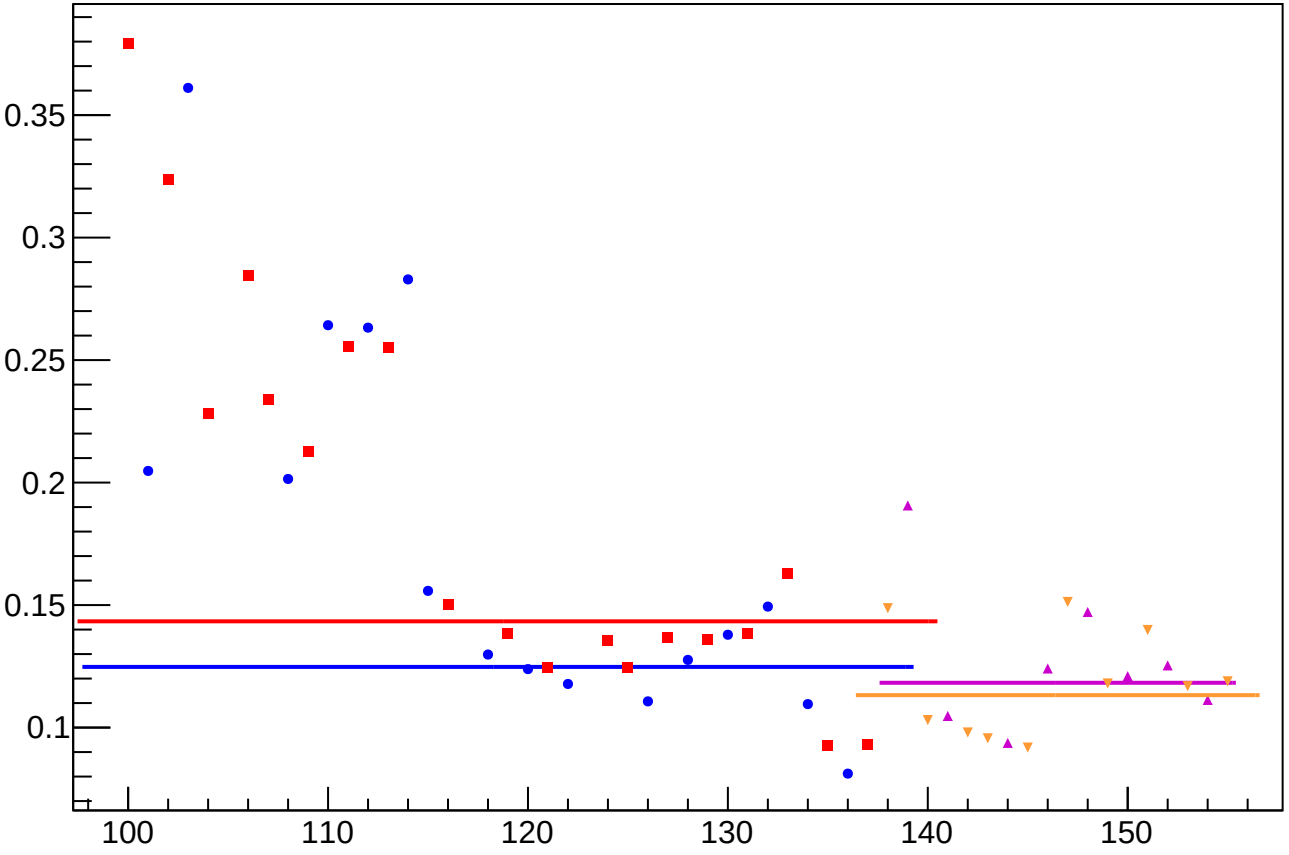
Left In: 25.517+/-0.000 χ^2/NDF:659255117.5/7

+ sign 24.051+/-0.000 χ^2/NDF: 2979292496.0/25

All: 24.148+/-0.000 χ^2/NDF: 6532373582.2/5

- sign 24.265+/-0.000 χ^2/NDF: 3535401925.1/26

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.113+/-0.000 χ^2/NDF:382567.9/9

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

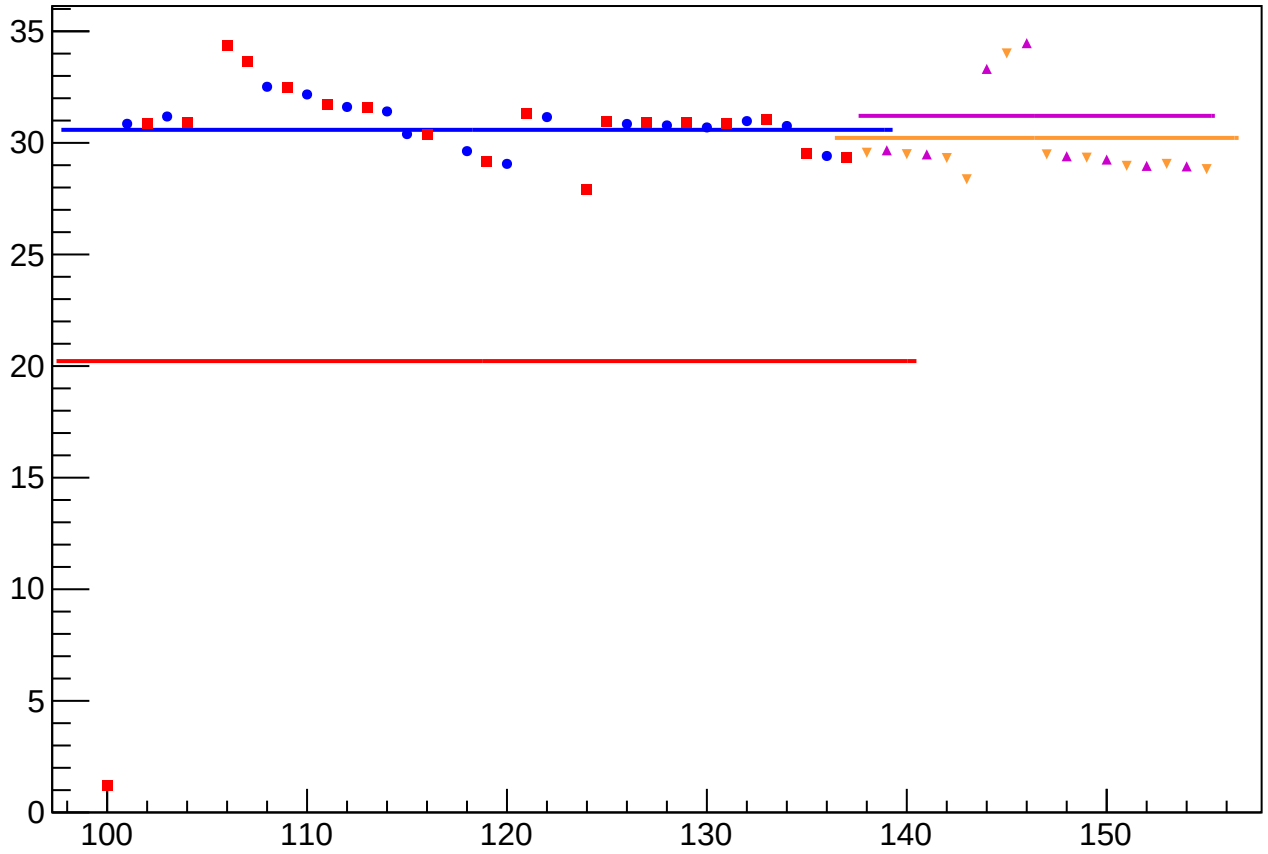
Left In: 0.118+/-0.000 χ^2/NDF:441600.3/7

+ sign 0.118+/-0.000 χ^2/NDF: 2186901.3/25

All: 0.123+/-0.000 χ^2/NDF: 4493425.3/52

- sign 0.128+/-0.000 χ^2/NDF: 2223376.0/26

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.223+/-0.000 χ^2/NDF:5323534026.5/9

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

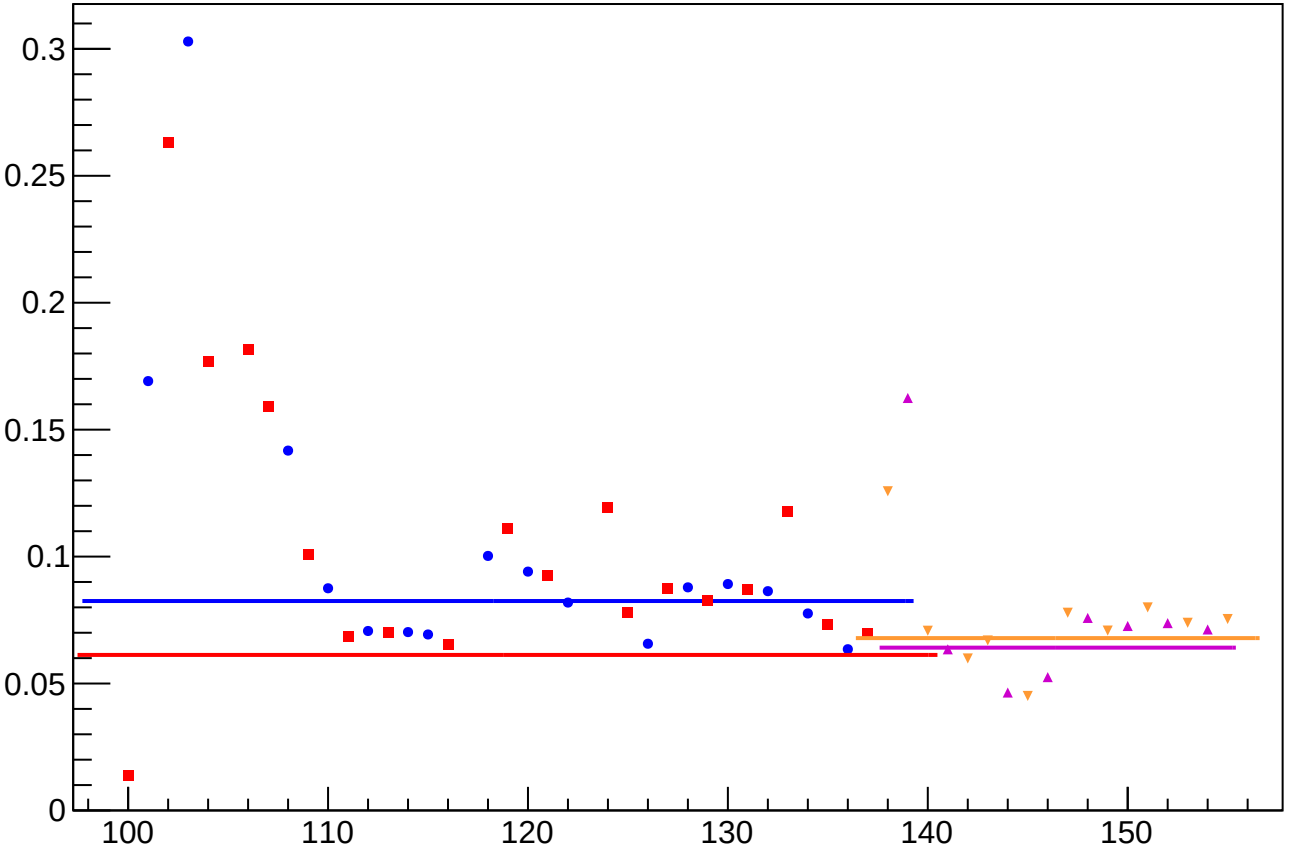
Left In: 31.211+/-0.000 χ^2/NDF:6563069343.6/7

+ sign 30.362+/-0.000 χ^2/NDF: 6037983434.6/25

All: 28.044+/-0.000 χ^2/NDF: 323406637761.

- sign 26.022+/-0.000 χ^2/NDF: 297146411420.6/26

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:657256.9/9

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

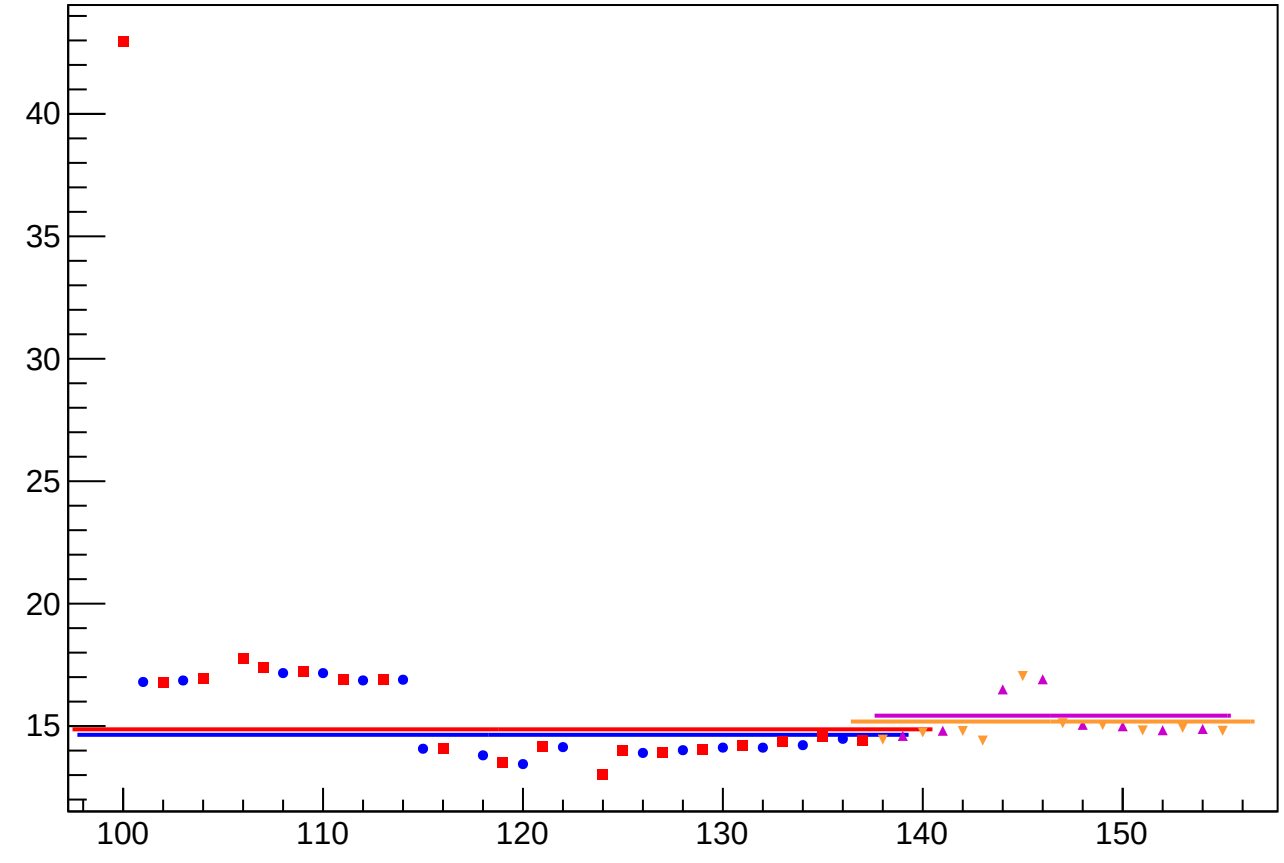
Left In: 0.064+/-0.000 χ^2/NDF:937827.6/7

+ sign 0.074+/-0.000 χ^2/NDF: 2121923.5/25

All: 0.068+/-0.000 χ^2/NDF: 7330994.1/52

- sign 0.063+/-0.000 χ^2/NDF: 4961565.5/26

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.186+/-0.000 χ^2/NDF:982709138.3/9

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

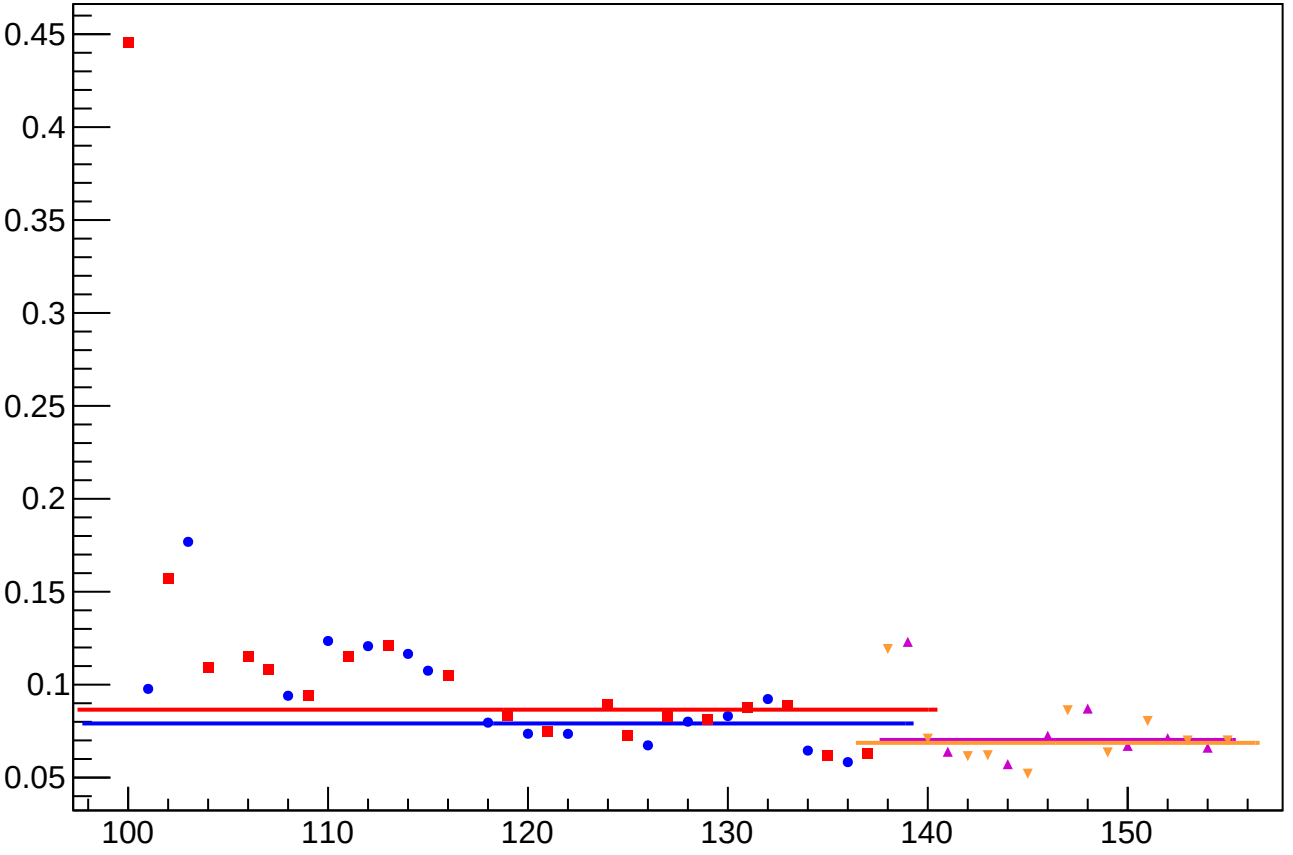
Left In: 15.426+/-0.000 χ^2/NDF:808405878.7/7

+ sign 14.962+/-0.000 χ^2/NDF: 2338207765.9/25

All: 15.071+/-0.000 χ^2/NDF: 5084441116.5/5

- sign 15.196+/-0.000 χ^2/NDF: 2688437484.1/26

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:509737.3/9

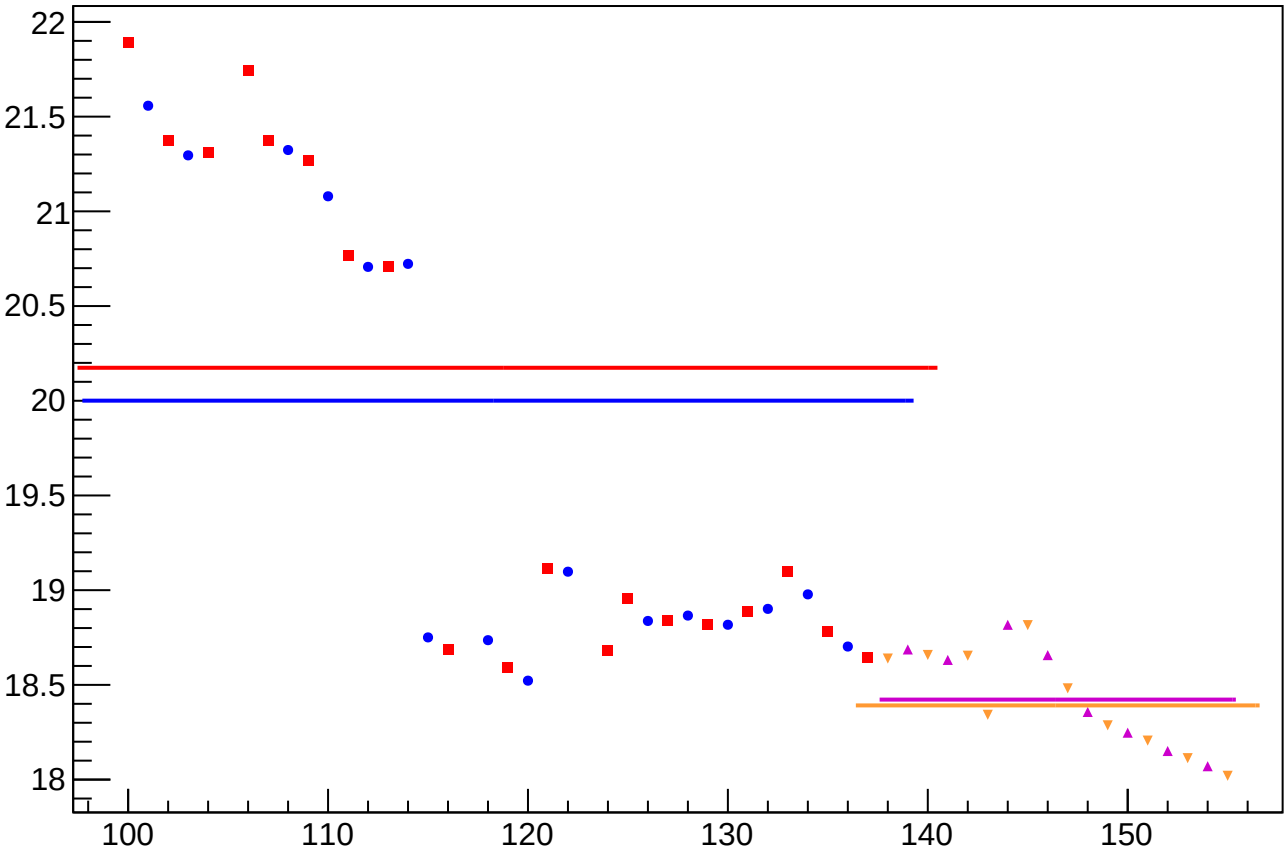
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.070+/-0.000 χ^2/NDF:453592.9/7

+ sign 0.073+/-0.000 χ^2/NDF: 1547655.2/25

All: 0.075+/-0.000 χ^2/NDF: 3083680.5/52

- sign 0.077+/-0.000 χ^2/NDF: 1502527.0/26



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.392+/-0.000 χ^2/NDF:519630554.4/9

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

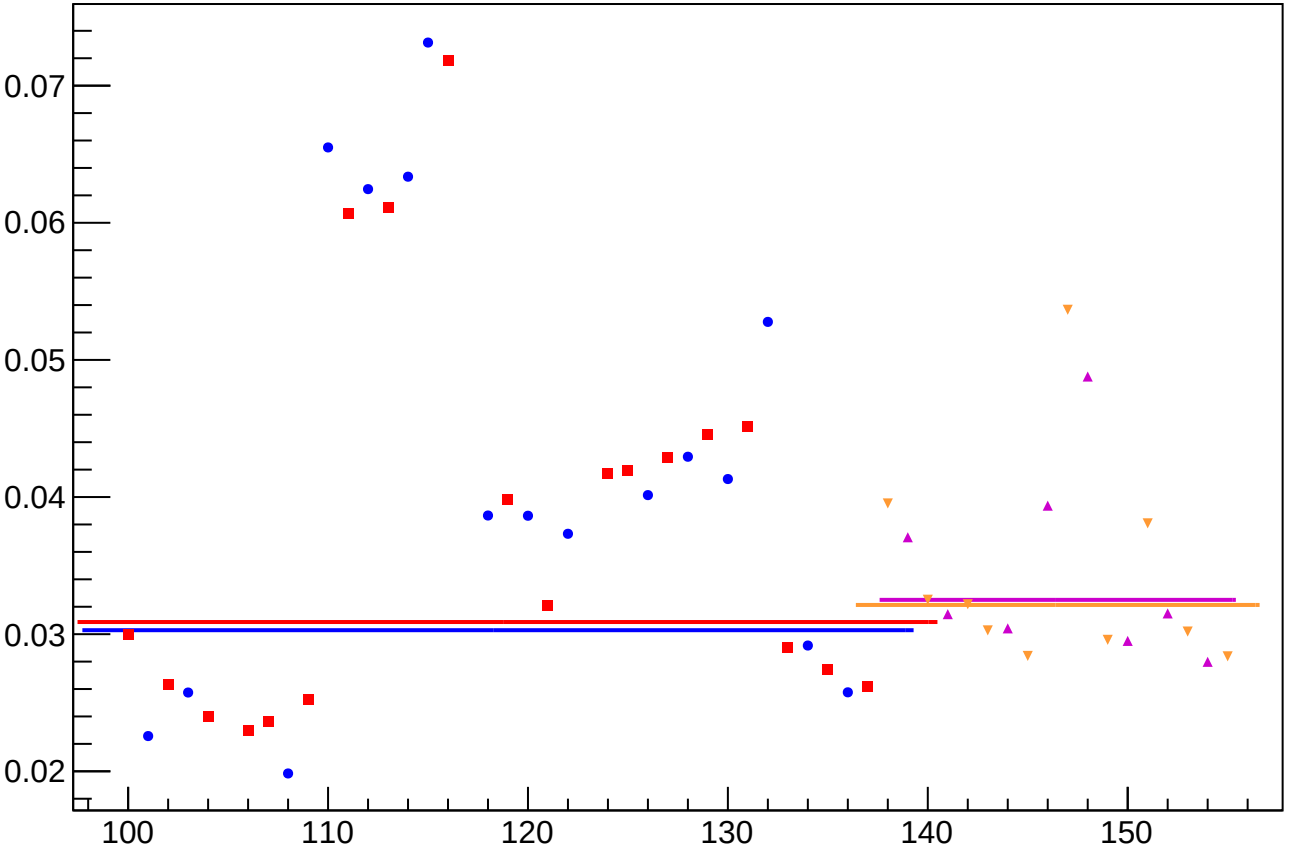
Left In: 18.422+/-0.000 χ^2/NDF:483901591.6/7

+ sign 19.163+/-0.000 χ^2/NDF: 20154012672.8/25

All: 19.239+/-0.000 χ^2/NDF: 40972695675.3

- sign 19.321+/-0.000 χ^2/NDF: 20655613226.9/26

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:426627.2/9

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

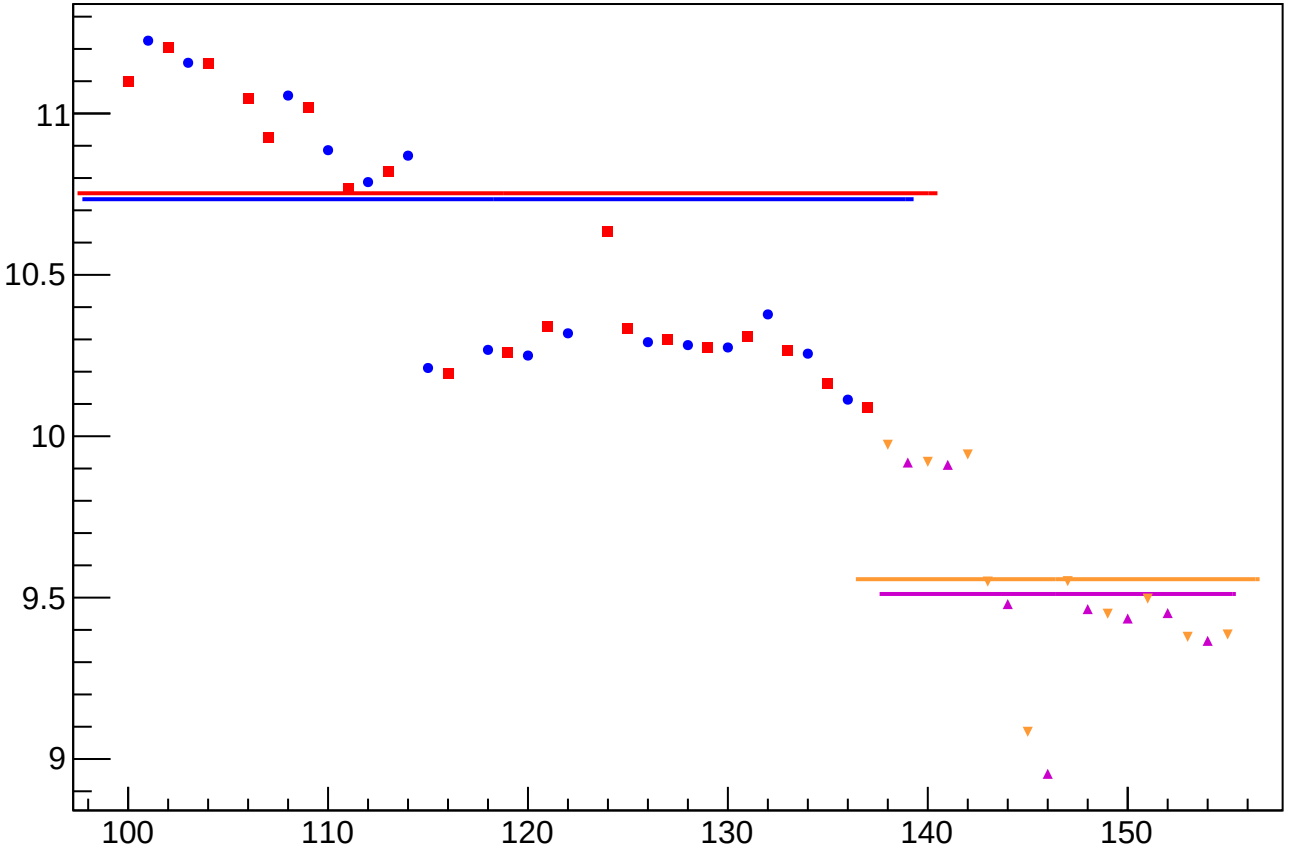
Left In: 0.033+/-0.000 χ^2/NDF:325161.0/7

+ sign 0.031+/-0.000 χ^2/NDF: 1896932.4/25

All: 0.031+/-0.000 χ^2/NDF: 3445778.7/52

- sign 0.032+/-0.000 χ^2/NDF: 1546473.6/26

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.557+/-0.000 χ^2/NDF:1328477791.5/9

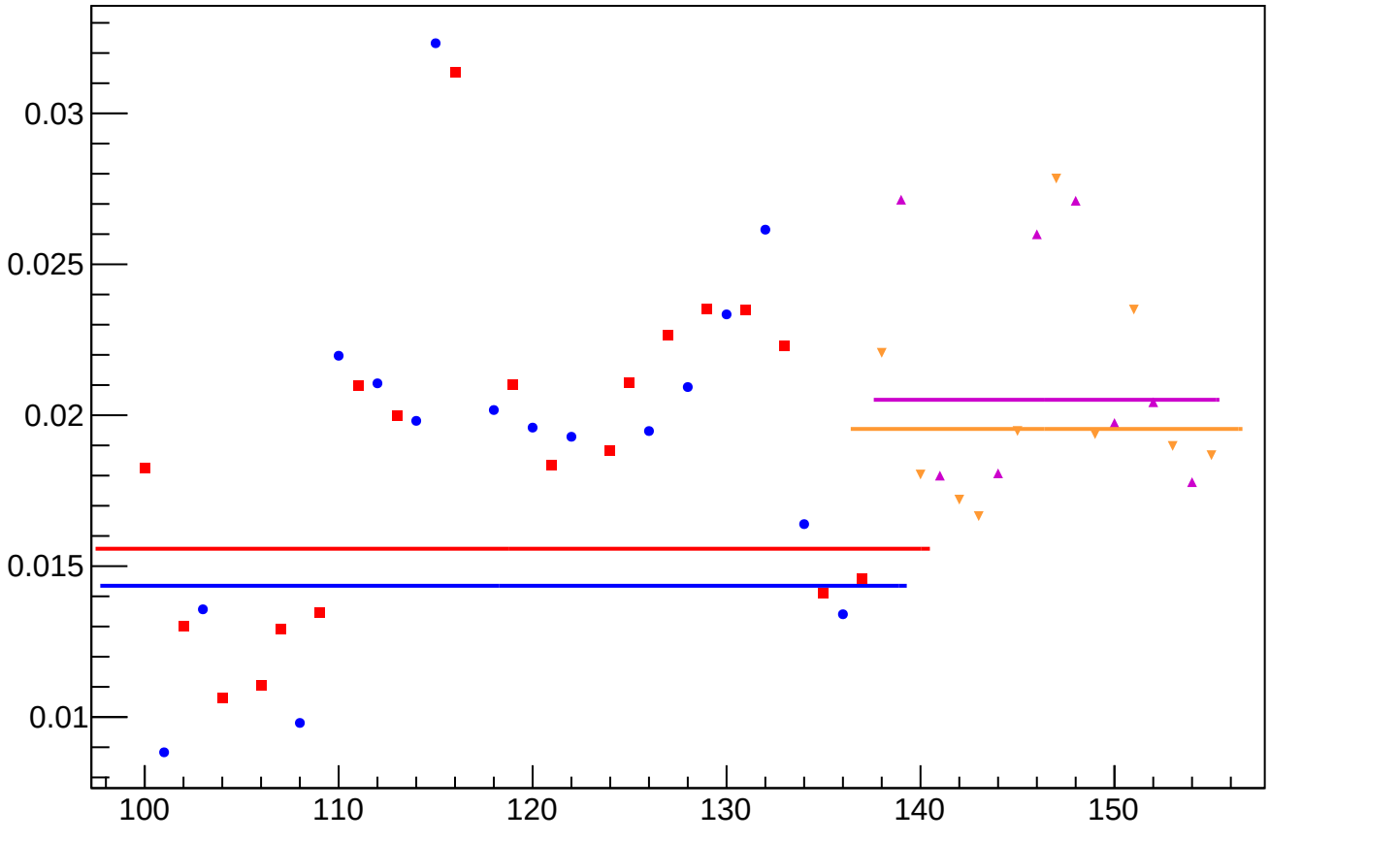
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.511+/-0.000 χ^2/NDF:1032118220.1/7

+ sign 10.264+/-0.000 χ^2/NDF: 22491355536.3/25

All: 10.278+/-0.000 χ^2/NDF: 42408070158.7

- sign 10.294+/-0.000 χ^2/NDF: 19897307462.6/26



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:277533.8/9

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

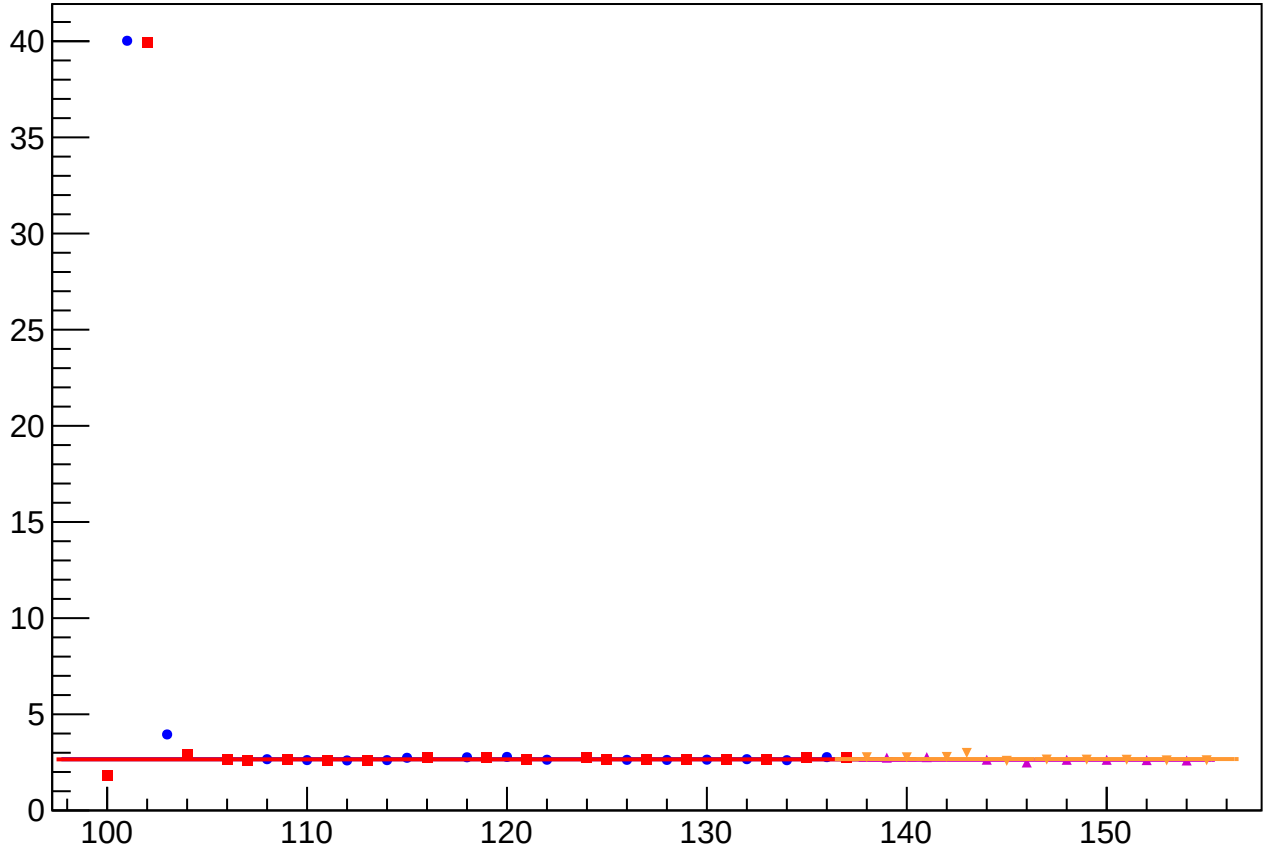
Left In: 0.021+/-0.000 χ^2/NDF:365657.7/7

+ sign 0.016+/-0.000 χ^2/NDF: 2354683.9/25

All: 0.017+/-0.000 χ^2/NDF: 4292014.1/52

- sign 0.017+/-0.000 χ^2/NDF: 1896429.8/26

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.672+/-0.000 χ^2/NDF:16488300356.1/9

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

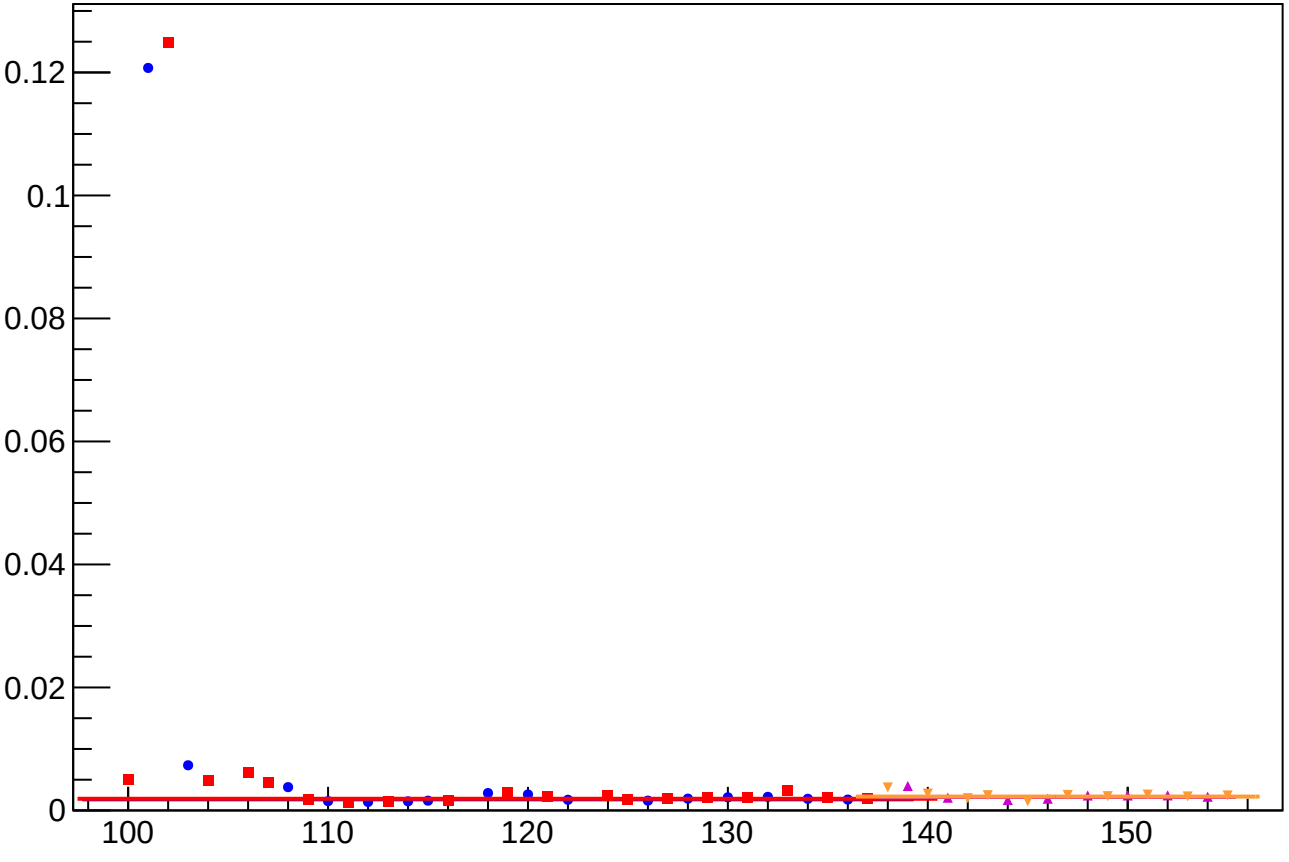
Left In: 2.631+/-0.000 χ^2/NDF:7504142586.7/7

+ sign 2.668+/-0.000 χ^2/NDF: 84377886803.1/25

All: 2.656+/-0.000 χ^2/NDF: 158047626598.3

- sign 2.645+/-0.000 χ^2/NDF: 72985165573.5/26

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:656811.6/9

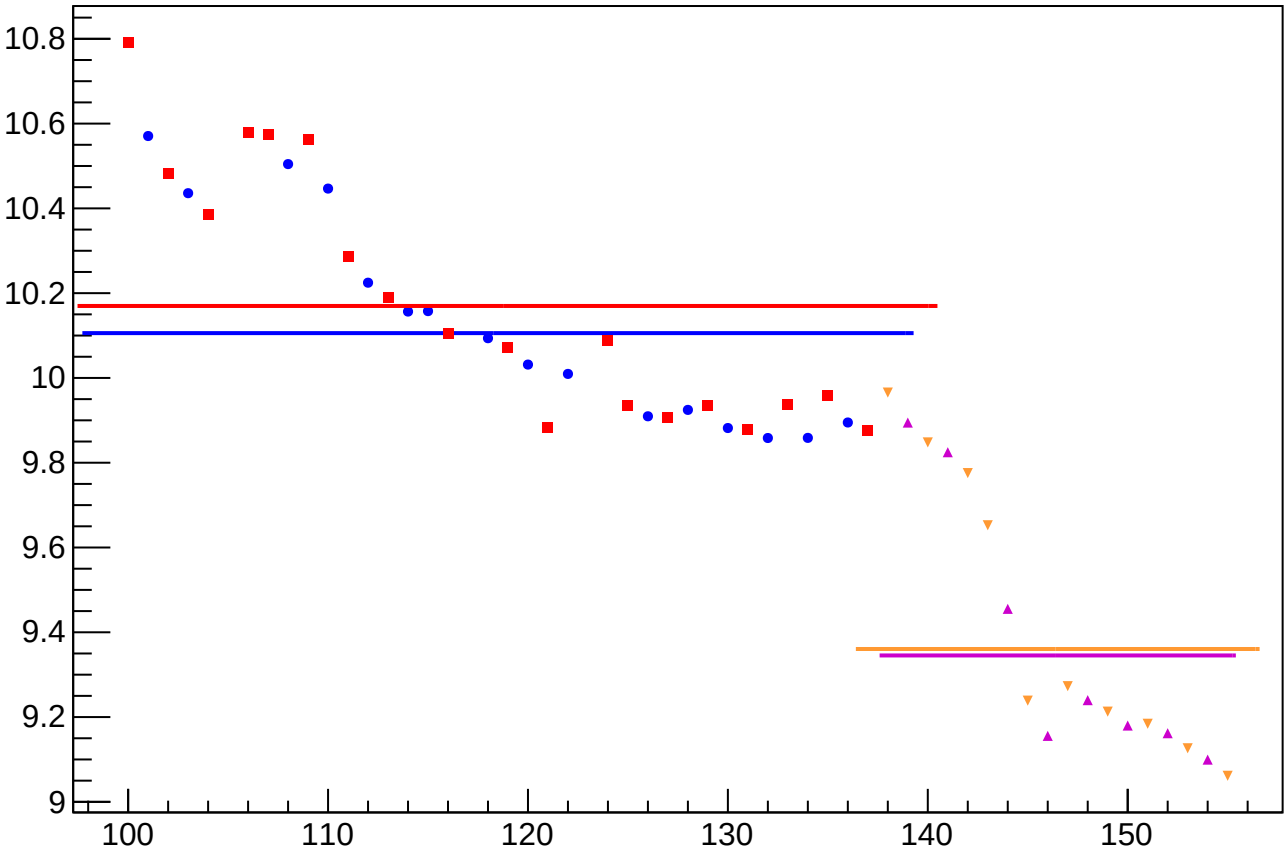
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:518527.2/7

+ sign 0.002+/-0.000 χ^2/NDF: 2734042.9/25

All: 0.002+/-0.000 χ^2/NDF: 5885622.3/52

- sign 0.002+/-0.000 χ^2/NDF: 3150935.2/26



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.361+/-0.000 χ^2/NDF:11397414643.7/9

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

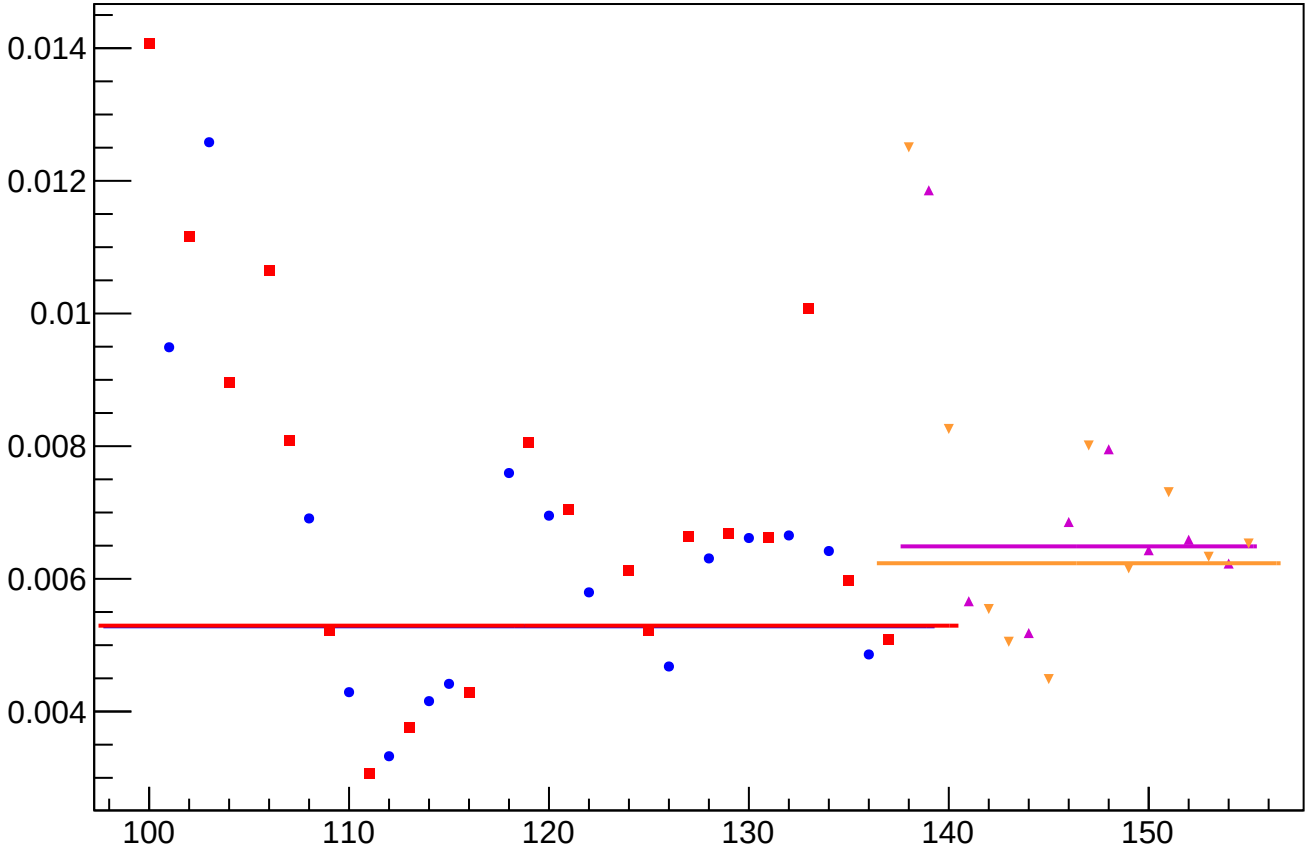
Left In: 9.345+/-0.000 χ^2/NDF:9342815831.3/7

+ sign 9.775+/-0.000 χ^2/NDF: 68174929890.2/25

All: 9.807+/-0.000 χ^2/NDF: 140894227246.0

- sign 9.840+/-0.000 χ^2/NDF: 72010131032.1/26

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:783860.2/9

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

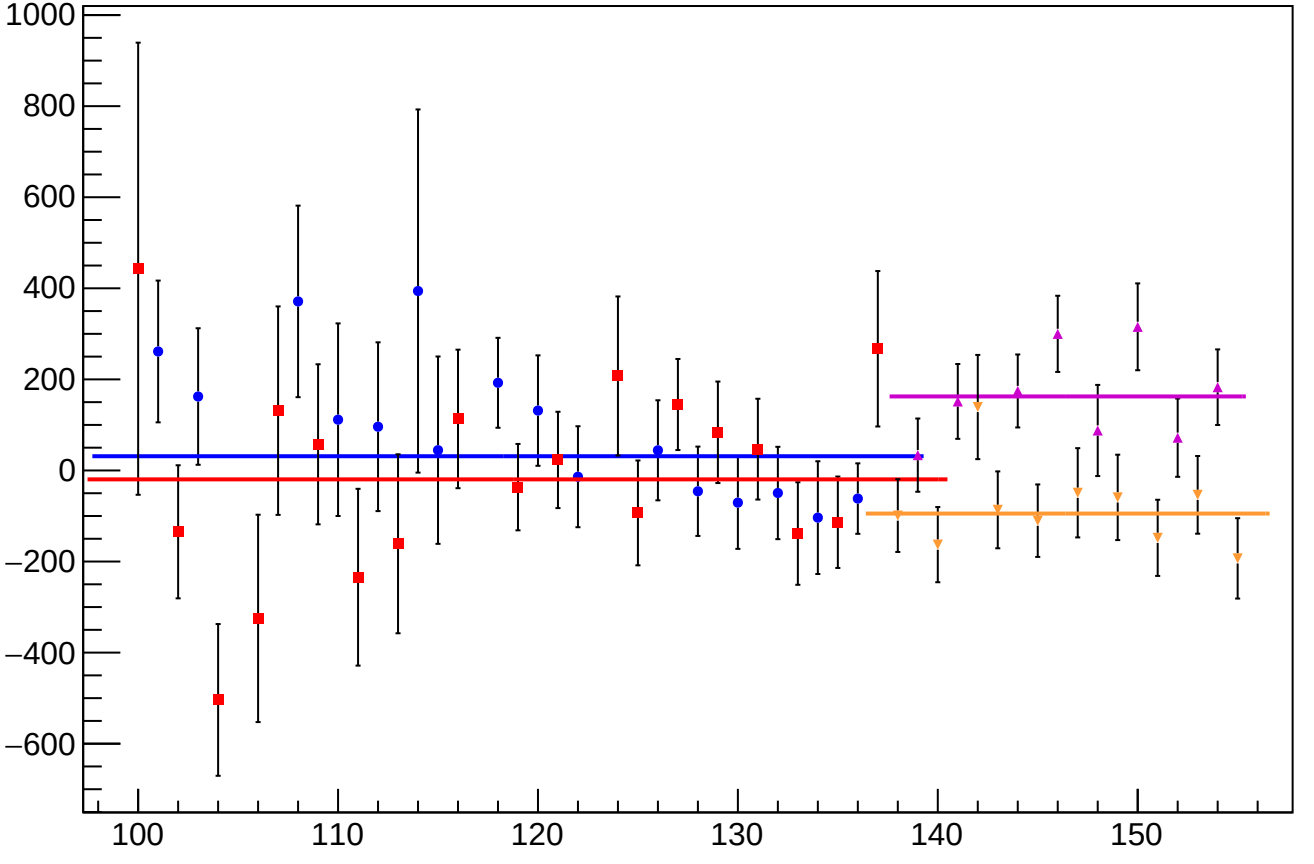
Left In: 0.006+/-0.000 χ^2/NDF:489006.6/7

+ sign 0.006+/-0.000 χ^2/NDF: 2213107.9/25

All: 0.006+/-0.000 χ^2/NDF: 4720966.6/52

- sign 0.006+/-0.000 χ^2/NDF: 2506387.0/26

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -94.651+/-27.686 χ^2/NDF:7.2/9

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

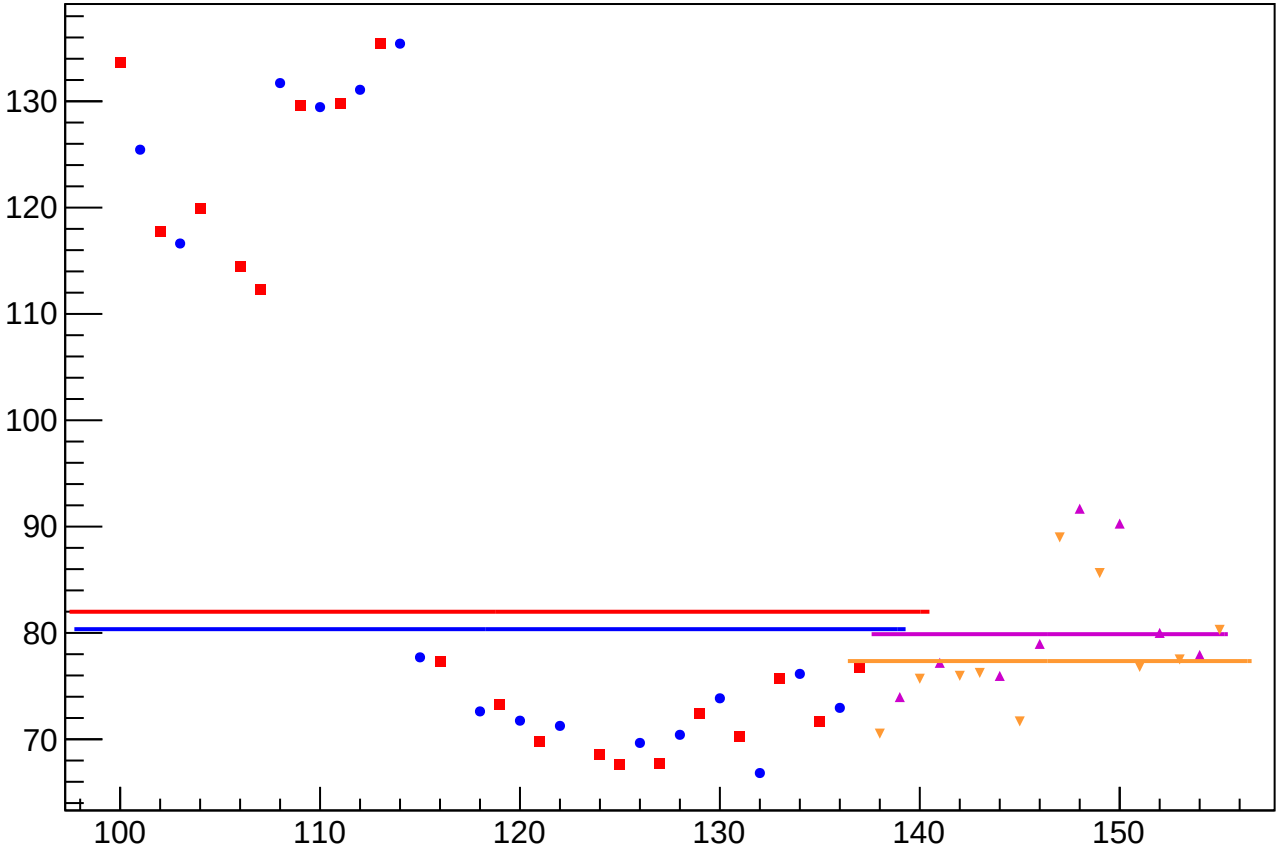
Left In: 162.562+/-30.267 χ^2/NDF:9.6/7

+ sign -38.358+/-20.586 χ^2/NDF: 31.5/25

All: 14.850+/-14.927 χ^2/NDF: 98.7/52

- sign 73.845+/-21.676 χ^2/NDF: 53.1/26

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.353+/-0.020 χ^2/NDF:72291.8/9

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

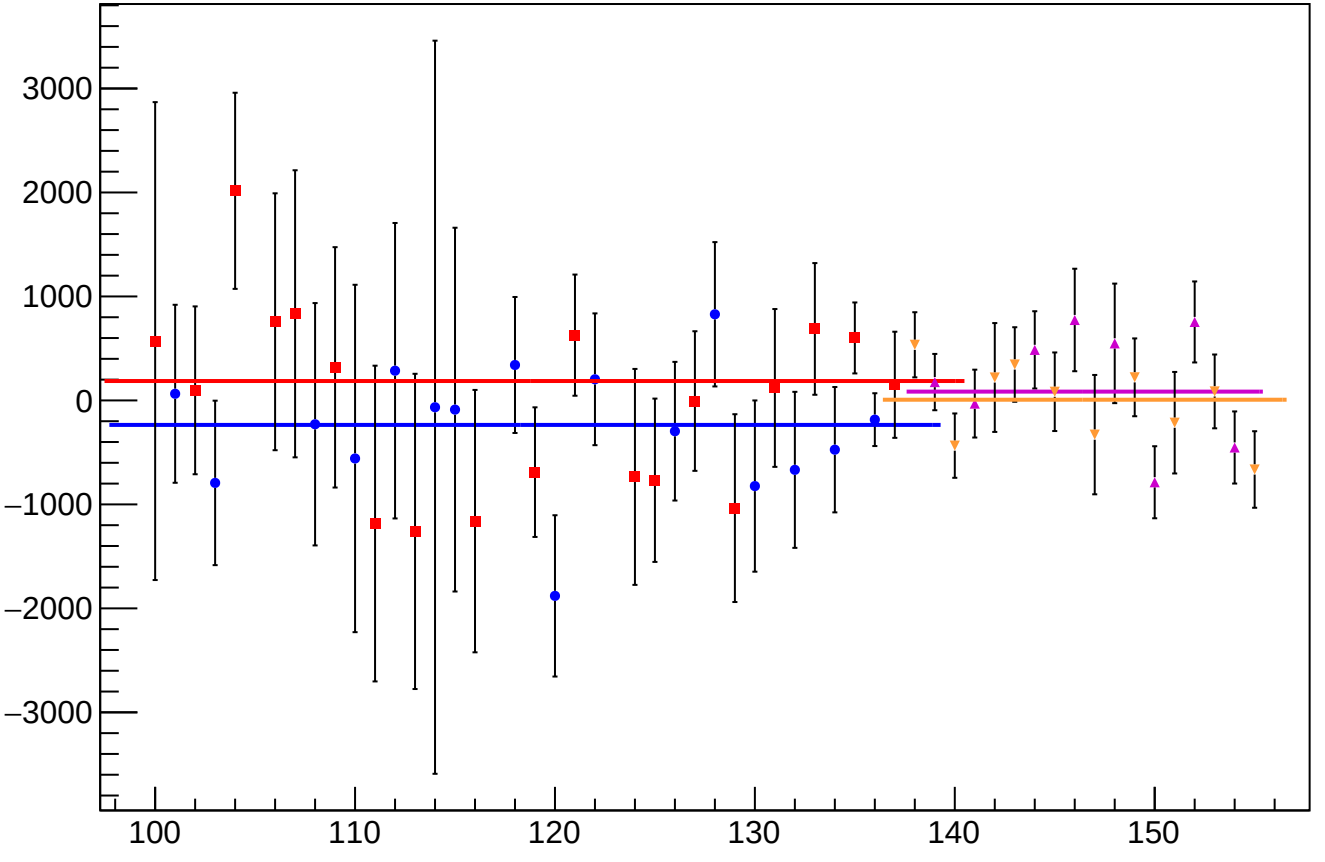
Left In: 79.884+/-0.021 χ^2/NDF:70711.9/7

+ sign 78.695+/-0.015 χ^2/NDF: 922835.7/25

All: 79.746+/-0.011 χ^2/NDF: 1941607.4/52

- sign 80.911+/-0.015 χ^2/NDF: 1007781.4/26

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 6.721+/-120.600 χ^2/NDF:10.2/9

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

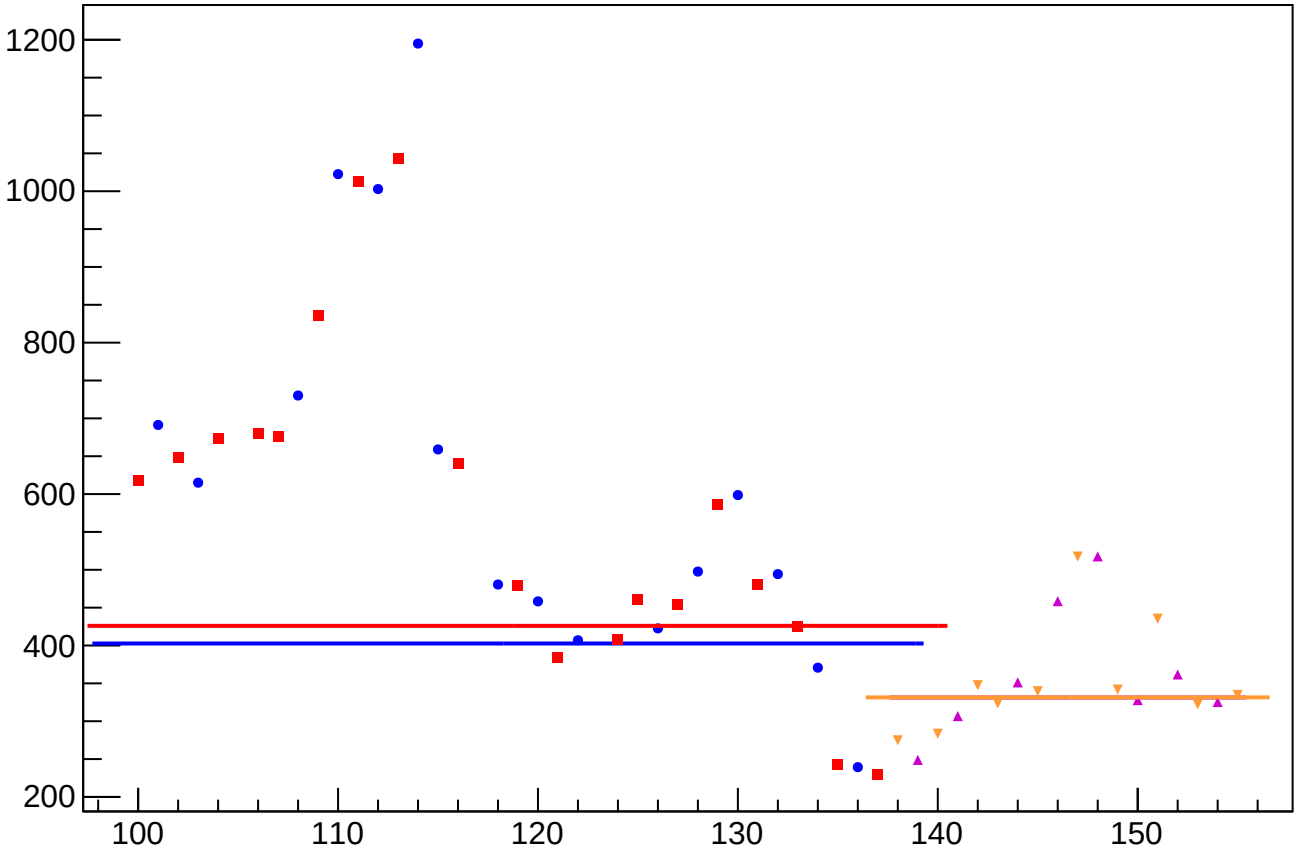
Left In: 84.719+/-128.412 χ^2/NDF:15.7/7

+ sign -78.458+/-97.109 χ^2/NDF: 21.6/25

All: 16.136+/-70.512 χ^2/NDF: 55.5/52

- sign 121.629+/-102.551 χ^2/NDF: 31.9/26

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 331.461+/-0.085 χ^2/NDF:421096.3/9

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

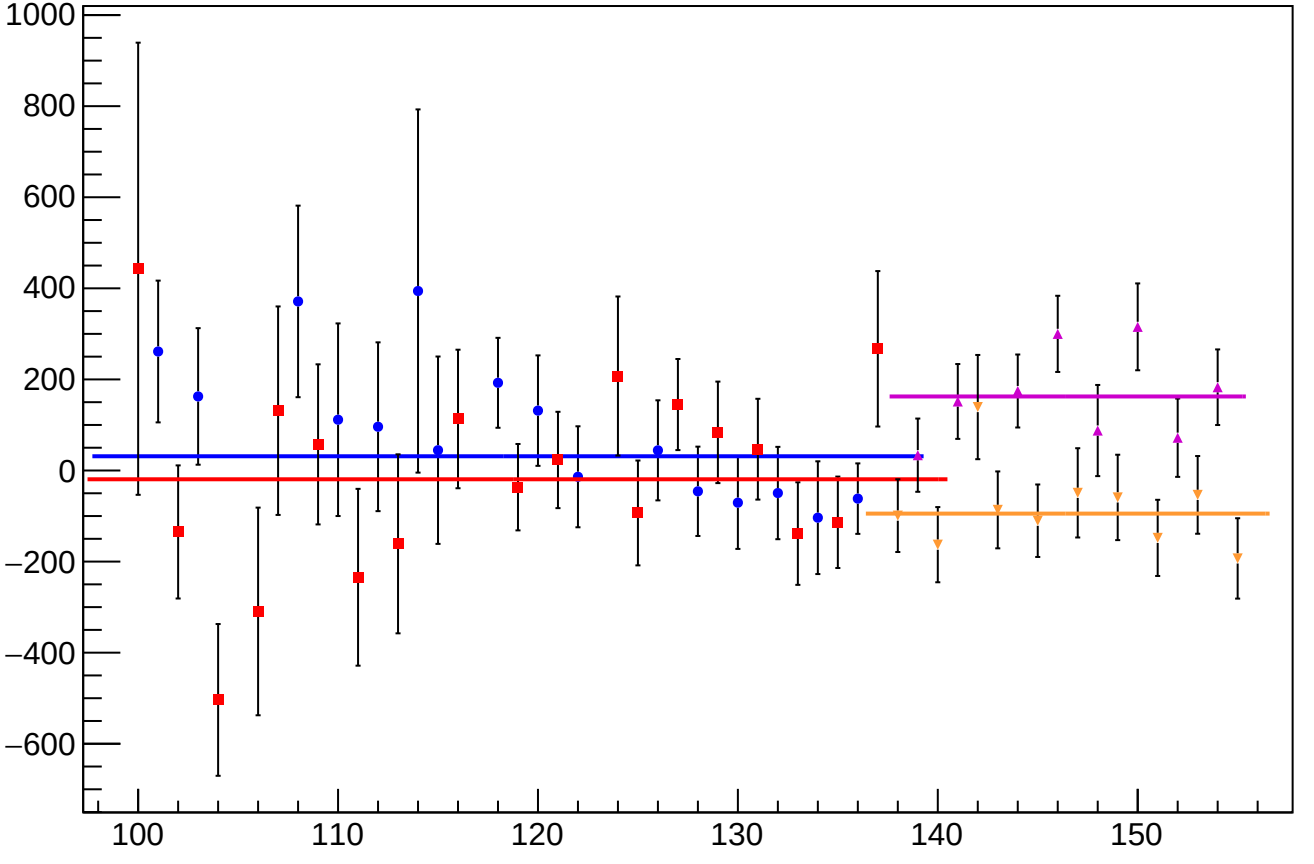
Left In: 331.344+/-0.091 χ^2/NDF:558872.1/7

+ sign 356.496+/-0.069 χ^2/NDF: 3026280.4/25

All: 360.811+/-0.050 χ^2/NDF: 6355755.0/52

- sign 365.623+/-0.073 χ^2/NDF: 3321121.1/26

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -94.651+/-27.686 χ^2/NDF:7.2/9

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

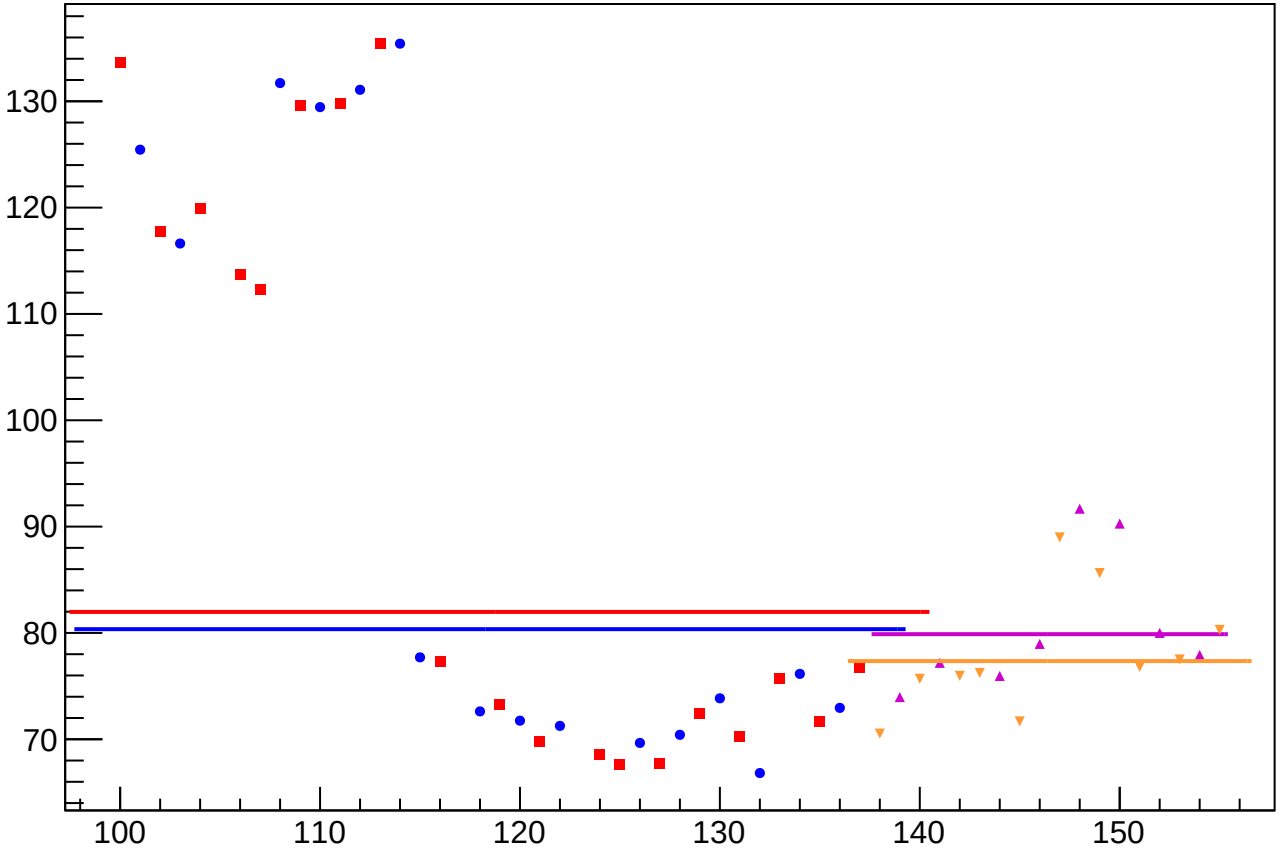
Left In: 162.564+/-30.267 χ^2/NDF:9.6/7

+ sign -38.353+/-20.586 χ^2/NDF: 31.5/25

All: 14.921+/-14.927 χ^2/NDF: 98.5/52

- sign 73.991+/-21.677 χ^2/NDF: 52.9/26

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.353+/-0.020 χ^2/NDF:72291.8/9

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

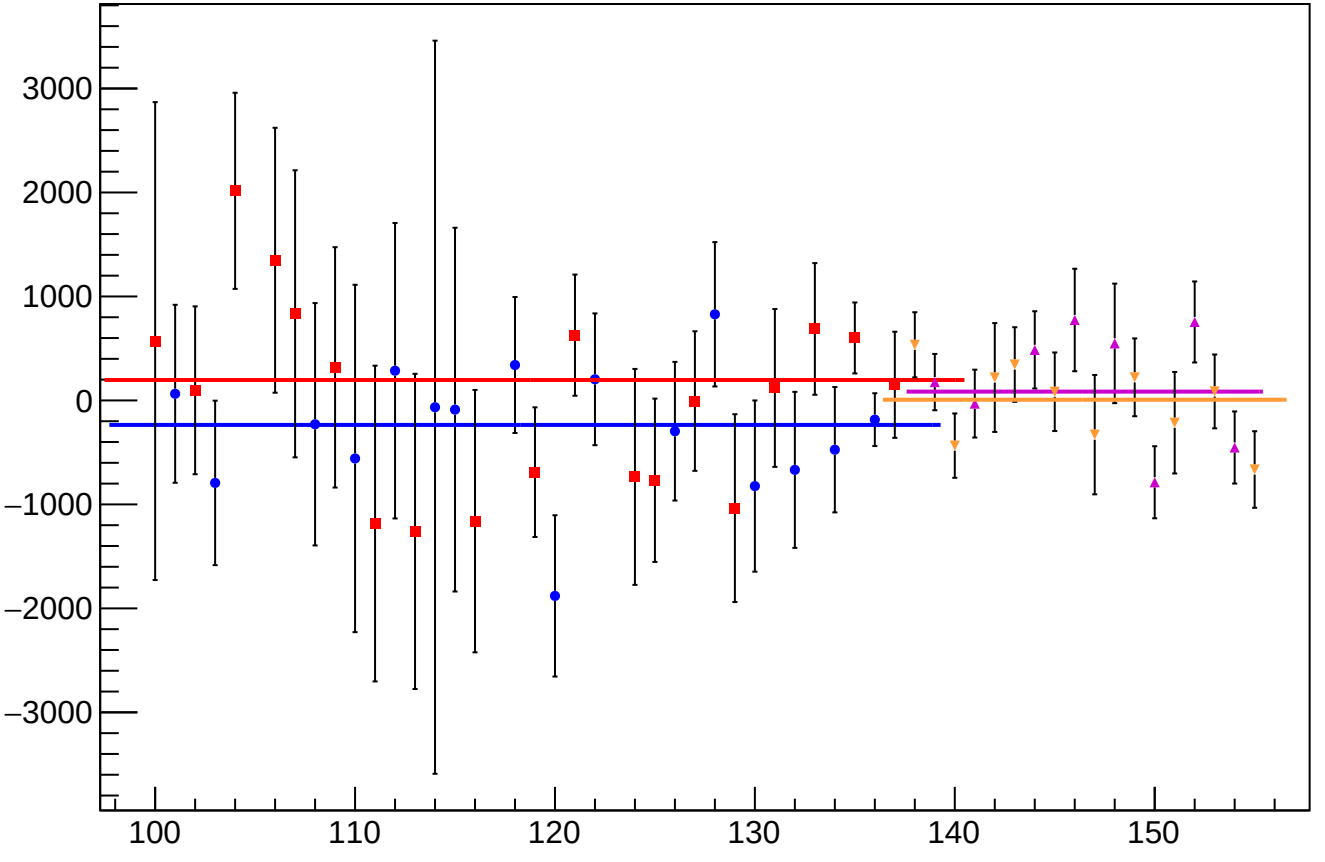
Left In: 79.884+/-0.021 χ^2/NDF:70711.9/7

+ sign 78.695+/-0.015 χ^2/NDF: 922835.9/25

All: 79.742+/-0.011 χ^2/NDF: 1939596.0/52

- sign 80.904+/-0.015 χ^2/NDF: 1005842.8/26

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 6.720+/-120.600 χ^2/NDF:10.2/9

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

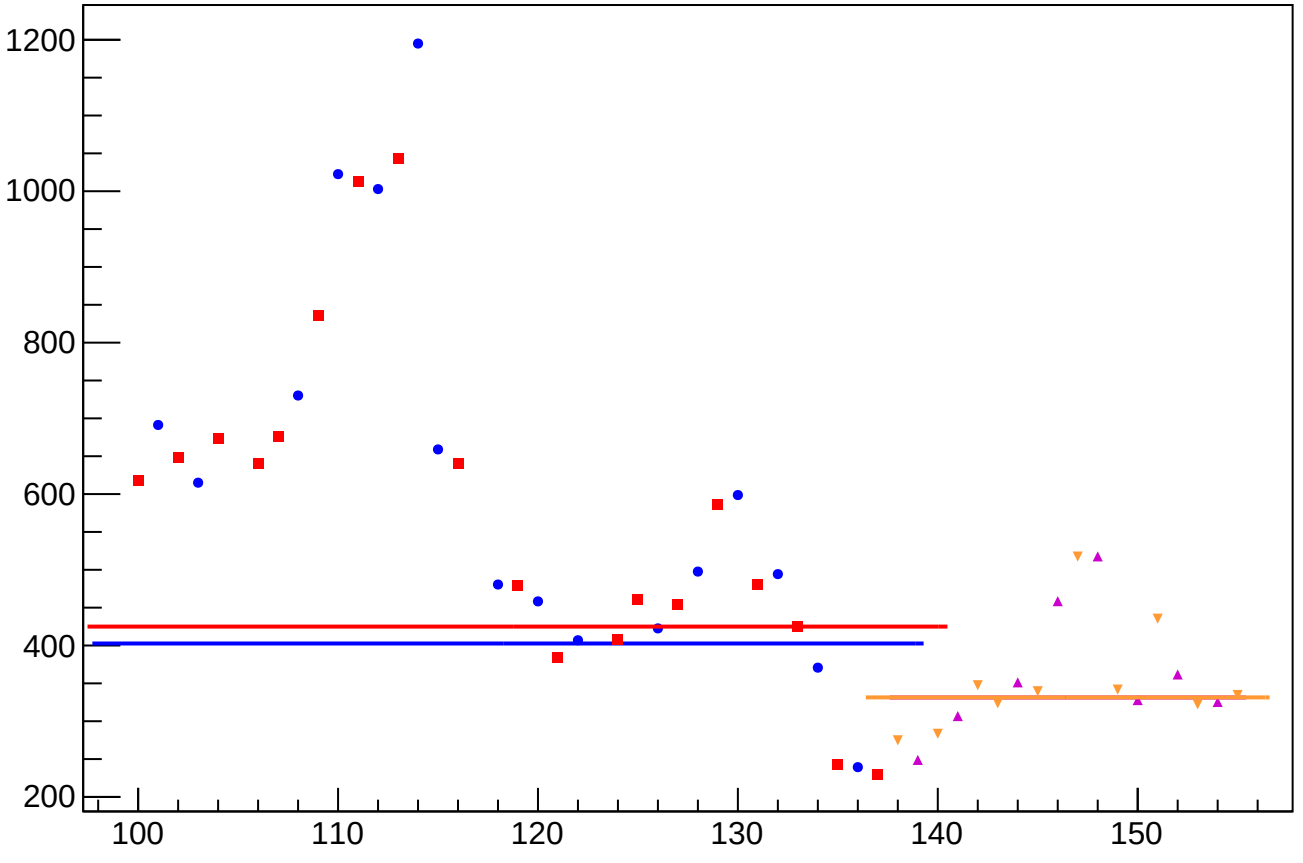
Left In: 84.719+/-128.413 χ^2/NDF:15.7/7

+ sign -78.457+/-97.109 χ^2/NDF: 21.6/25

All: 17.807+/-70.519 χ^2/NDF: 56.2/52

- sign 125.207+/-102.573 χ^2/NDF: 32.5/26

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.461+/-0.085 χ^2/NDF:421101.7/9

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

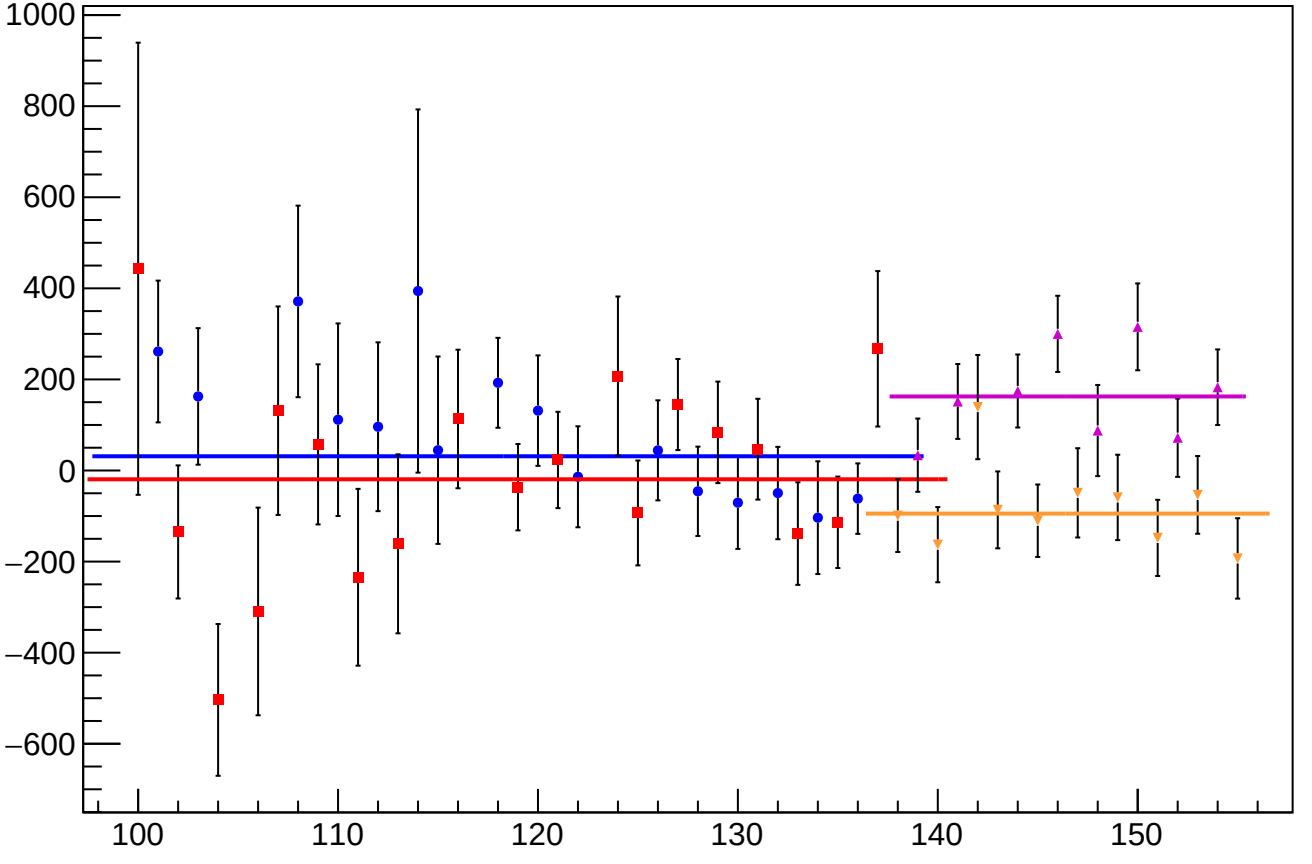
Left In: 331.345+/-0.091 χ^2/NDF:558873.4/7

+ sign 356.496+/-0.069 χ^2/NDF: 3026283.6/25

All: 360.629+/-0.050 χ^2/NDF: 6318814.4/52

- sign 365.240+/-0.073 χ^2/NDF: 3284866.9/26

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -94.651+/-27.686 χ^2/NDF:7.2/9

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

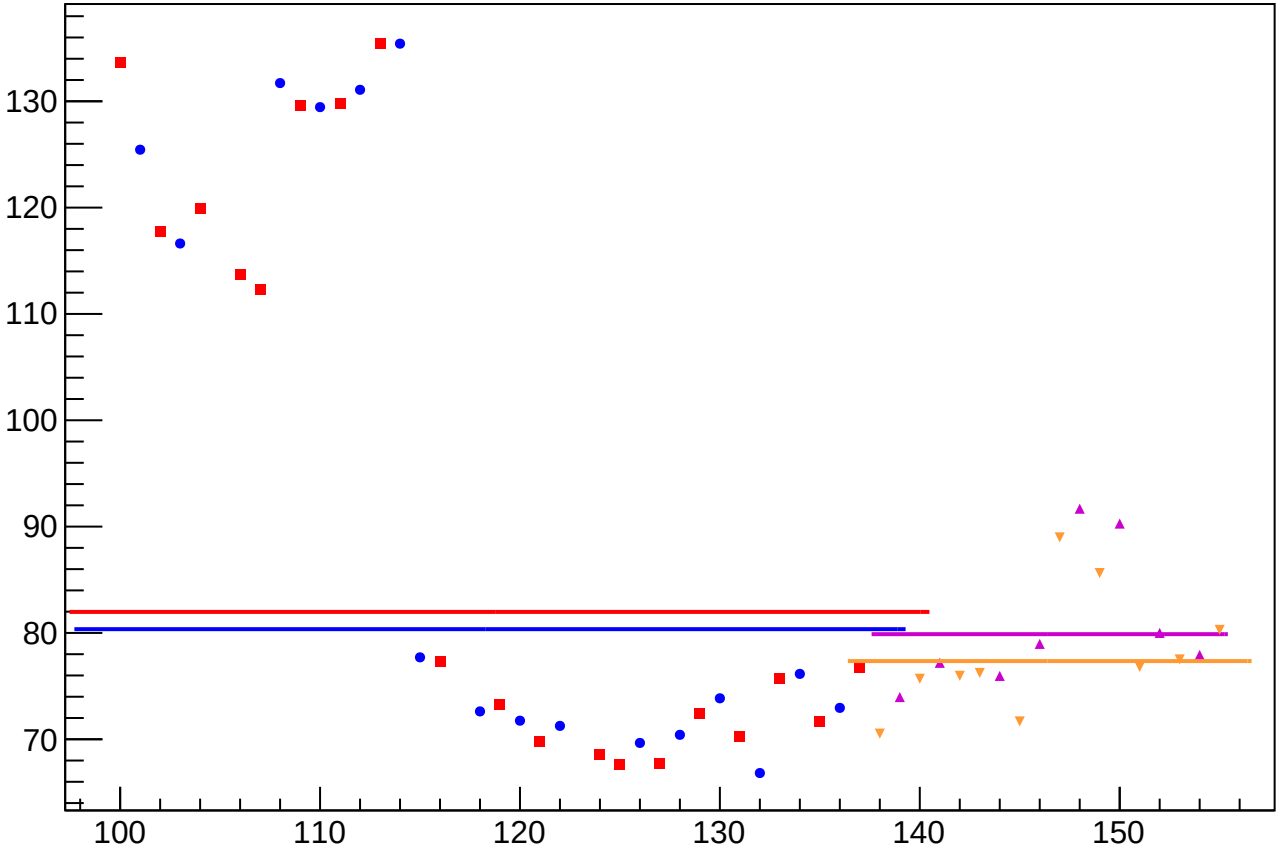
Left In: 162.564+/-30.267 χ^2/NDF:9.6/7

+ sign -38.353+/-20.586 χ^2/NDF: 31.5/25

All: 14.921+/-14.927 χ^2/NDF: 98.5/52

- sign 73.991+/-21.677 χ^2/NDF: 52.9/26

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.353+/-0.020 χ^2/NDF:72291.8/9

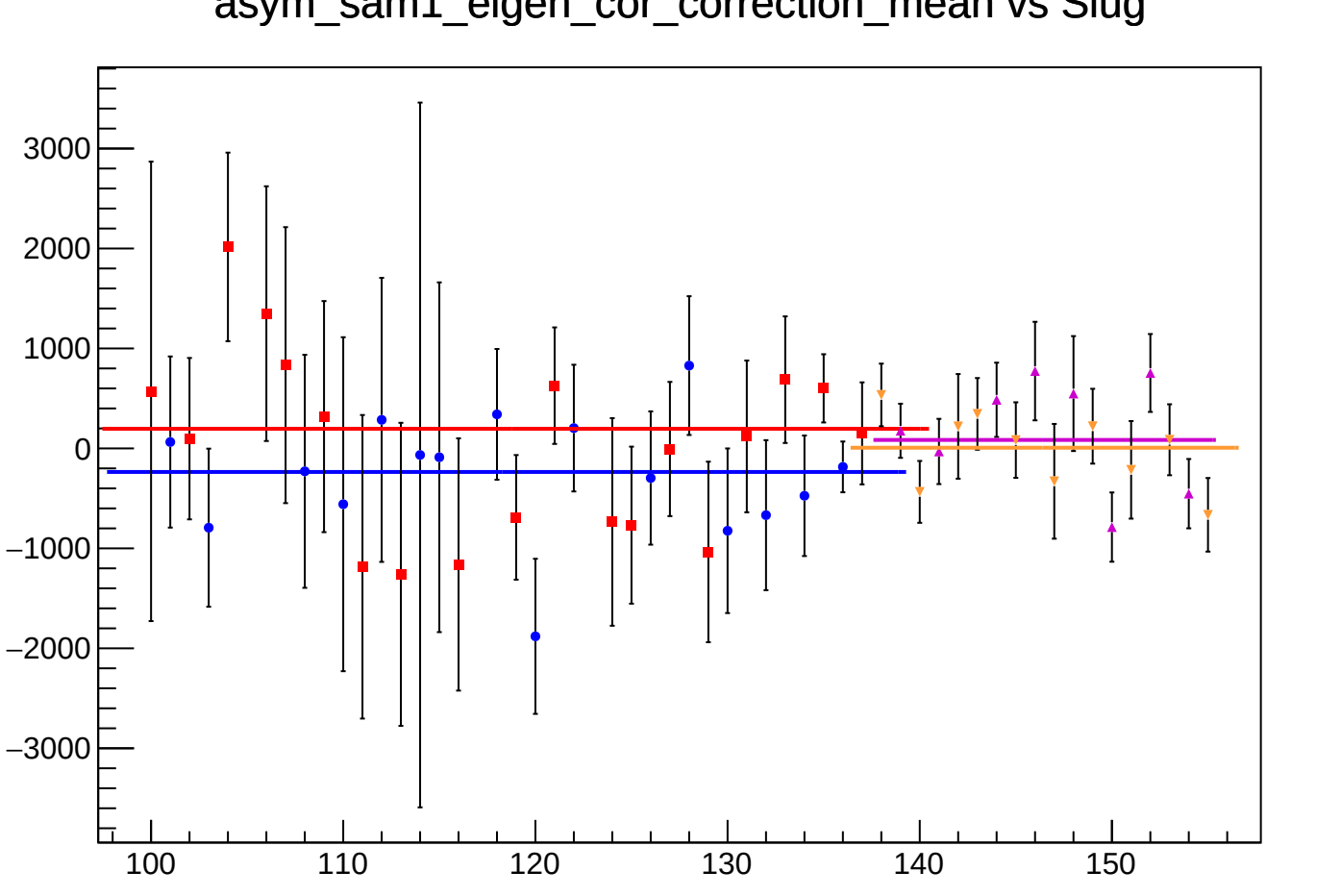
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.884+/-0.021 χ^2/NDF:70711.9/7

+ sign 78.695+/-0.015 χ^2/NDF: 922835.9/25

All: 79.742+/-0.011 χ^2/NDF: 1939596.0/52

- sign 80.904+/-0.015 χ^2/NDF: 1005842.8/26



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 6.720+/-120.600 χ^2/NDF:10.2/9

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

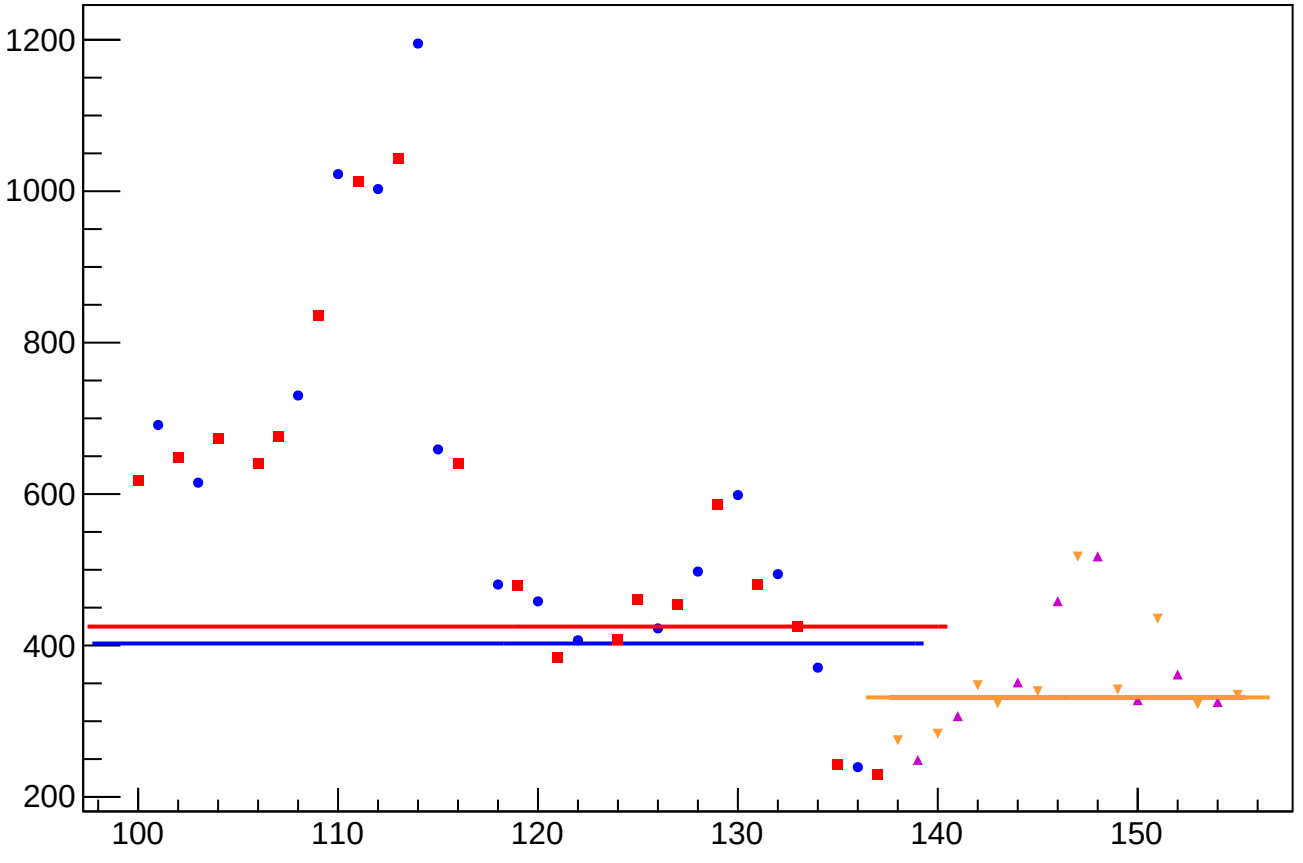
Left In: 84.719+/-128.413 χ^2/NDF:15.7/7

+ sign -78.457+/-97.109 χ^2/NDF: 21.6/25

All: 17.807+/-70.519 χ^2/NDF: 56.2/52

- sign 125.207+/-102.573 χ^2/NDF: 32.5/26

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.461+/-0.085 χ^2/NDF:421101.7/9

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

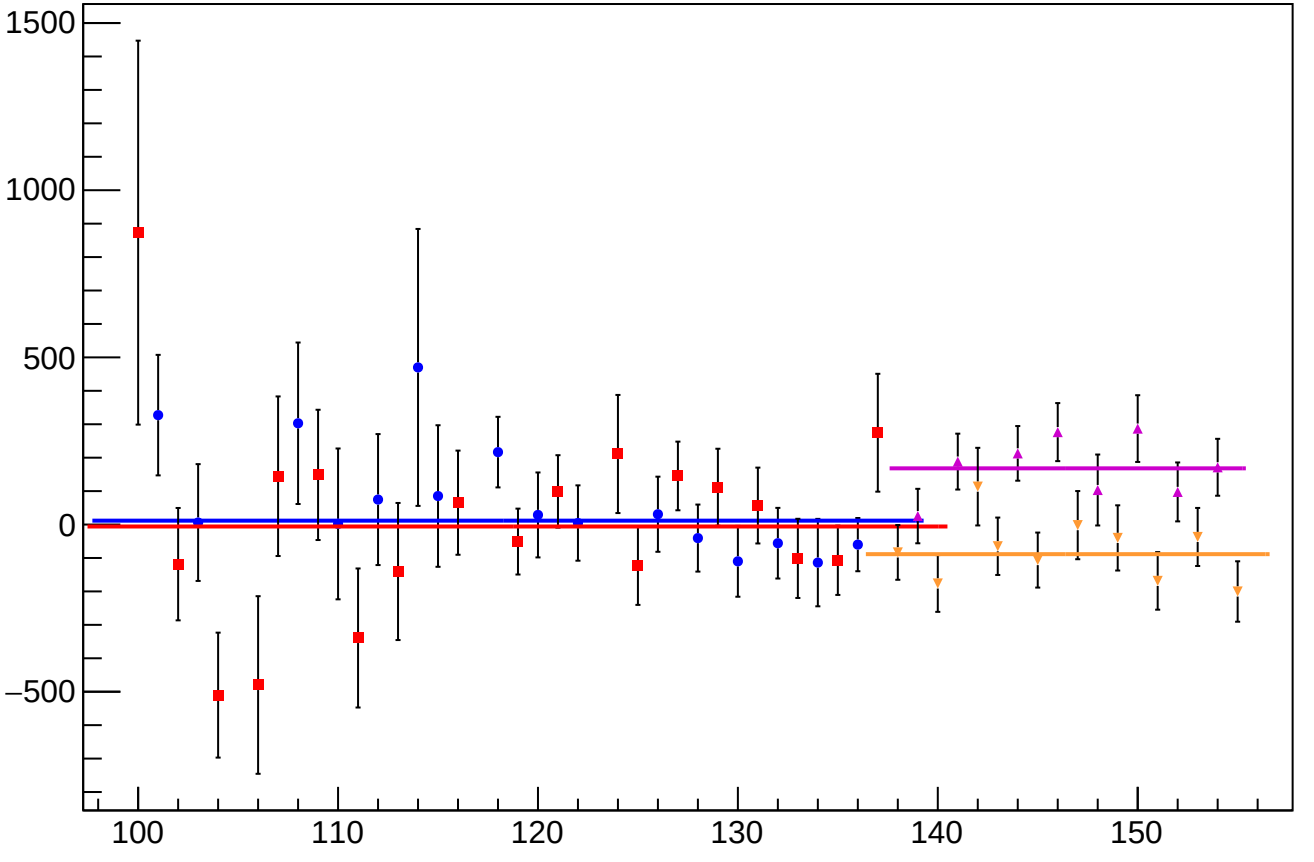
Left In: 331.345+/-0.091 χ^2/NDF:558873.4/7

+ sign 356.496+/-0.069 χ^2/NDF: 3026283.6/25

All: 360.629+/-0.050 χ^2/NDF: 6318814.4/52

- sign 365.240+/-0.073 χ^2/NDF: 3284866.9/26

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -88.556+/-28.433 χ^2/NDF:7.9/9

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

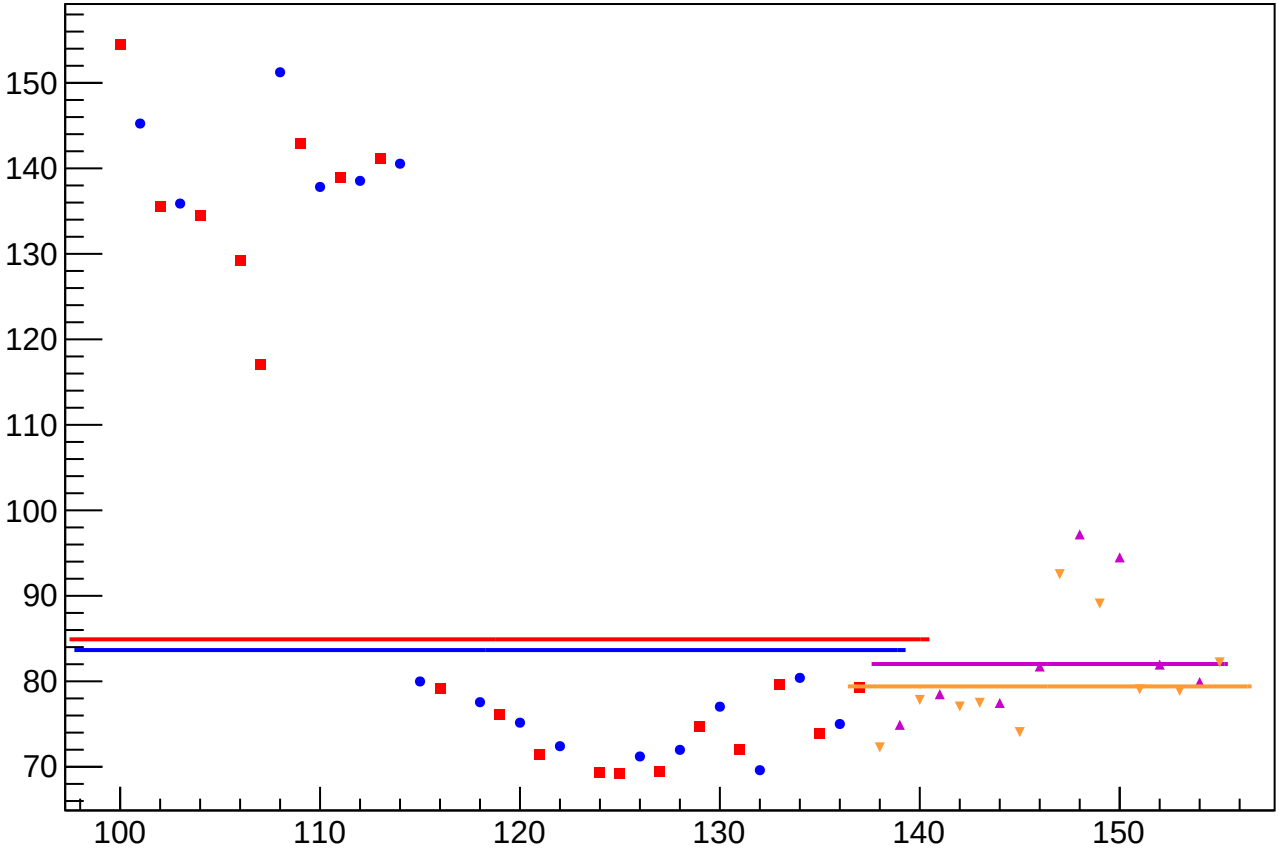
Left In: 168.107+/-31.123 χ^2/NDF:7.4/7

+ sign -44.802+/-21.341 χ^2/NDF: 26.9/25

All: 16.671+/-15.471 χ^2/NDF: 95.5/52

- sign 84.756+/-22.460 χ^2/NDF: 51.2/26

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.404+/-0.020 χ^2/NDF:81069.6/9

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

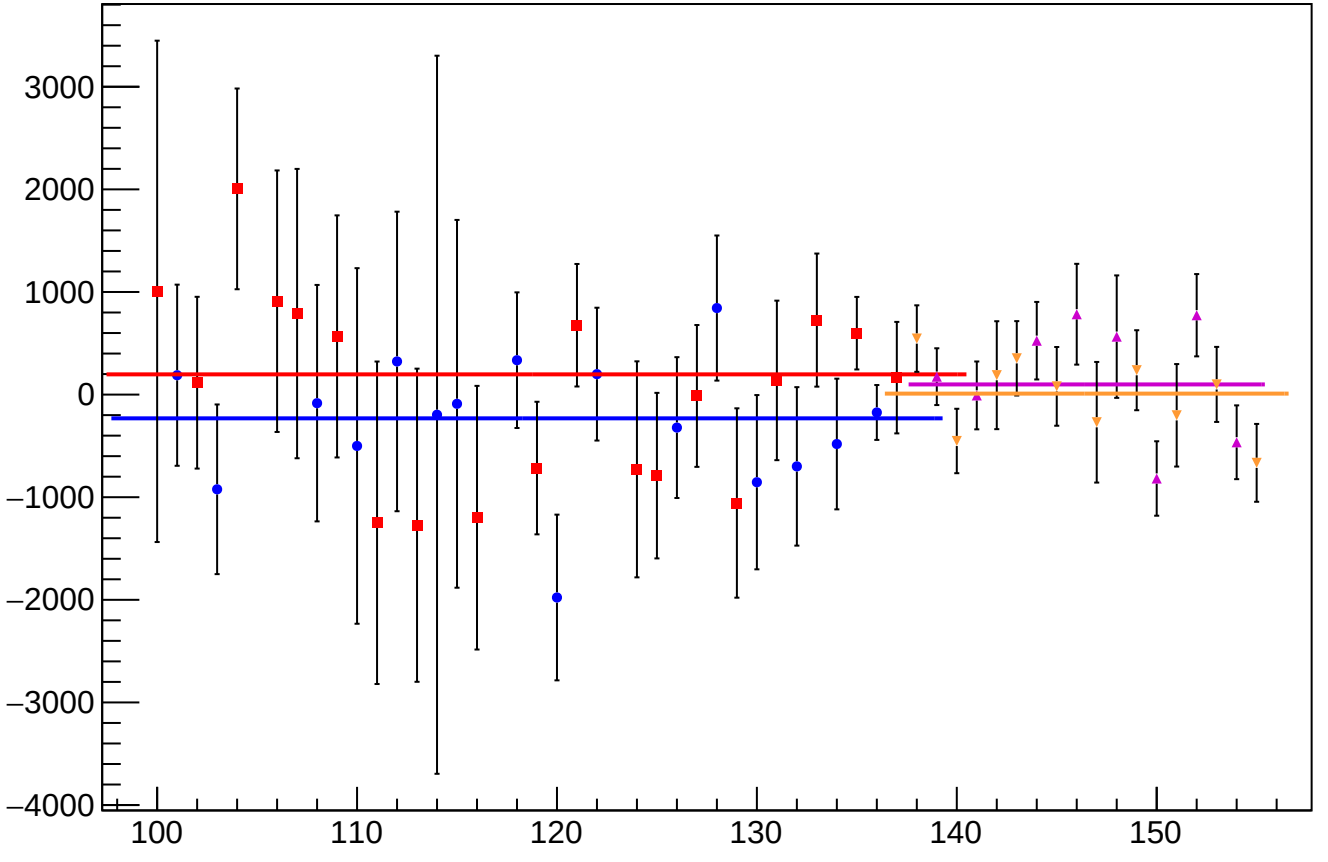
Left In: 82.026+/-0.022 χ^2/NDF:98375.5/7

+ sign 81.261+/-0.015 χ^2/NDF: 1135400.3/25

All: 82.281+/-0.011 χ^2/NDF: 2373309.1/52

- sign 83.410+/-0.016 χ^2/NDF: 1228292.6/26

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 9.546+/-123.465 χ^2/NDF:9.9/9

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

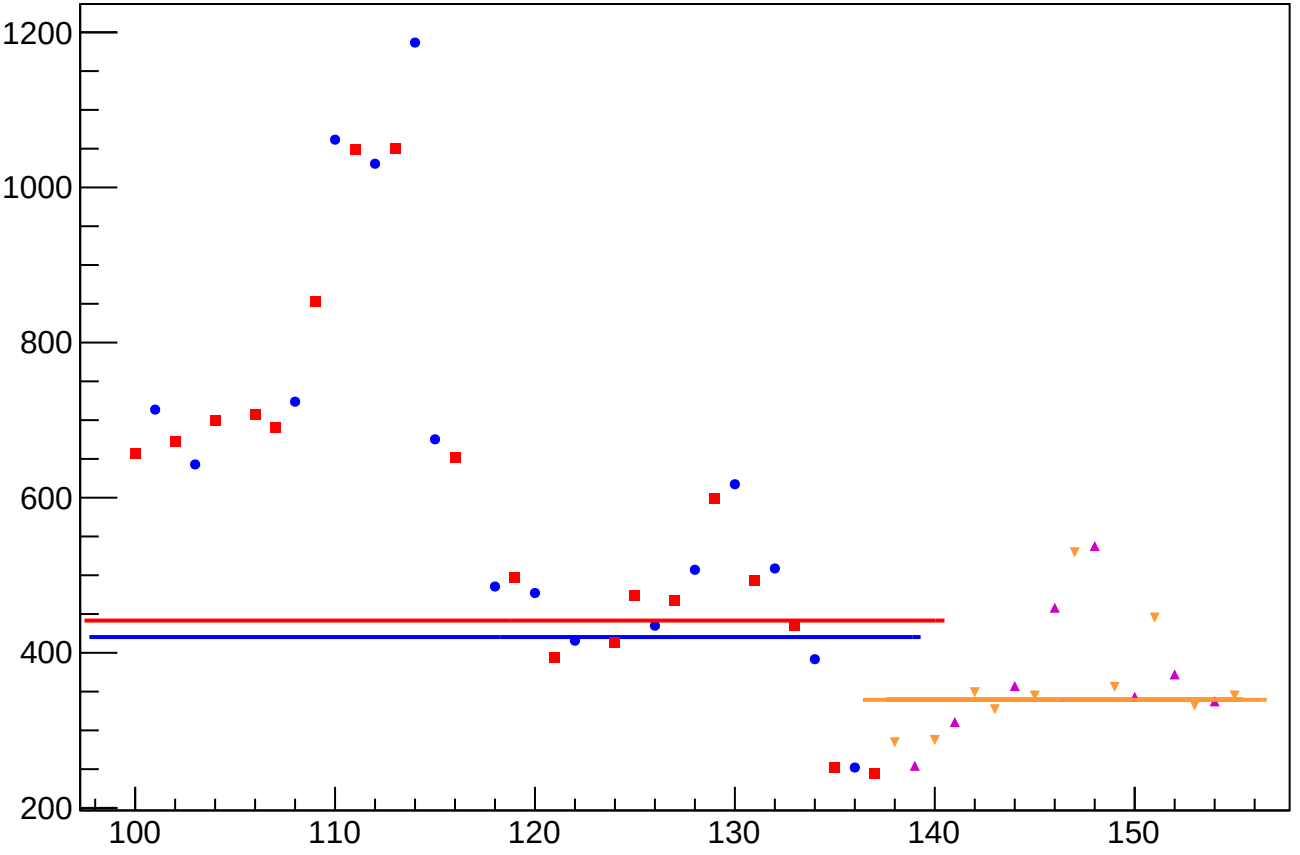
Left In: 99.154+/-131.616 χ^2/NDF:15.7/7

+ sign -73.574+/-99.925 χ^2/NDF: 21.6/25

All: 24.801+/-72.523 χ^2/NDF: 55.5/52

- sign 134.298+/-105.423 χ^2/NDF: 31.8/26

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 339.402+/-0.087 χ^2/NDF:419265.2/9

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

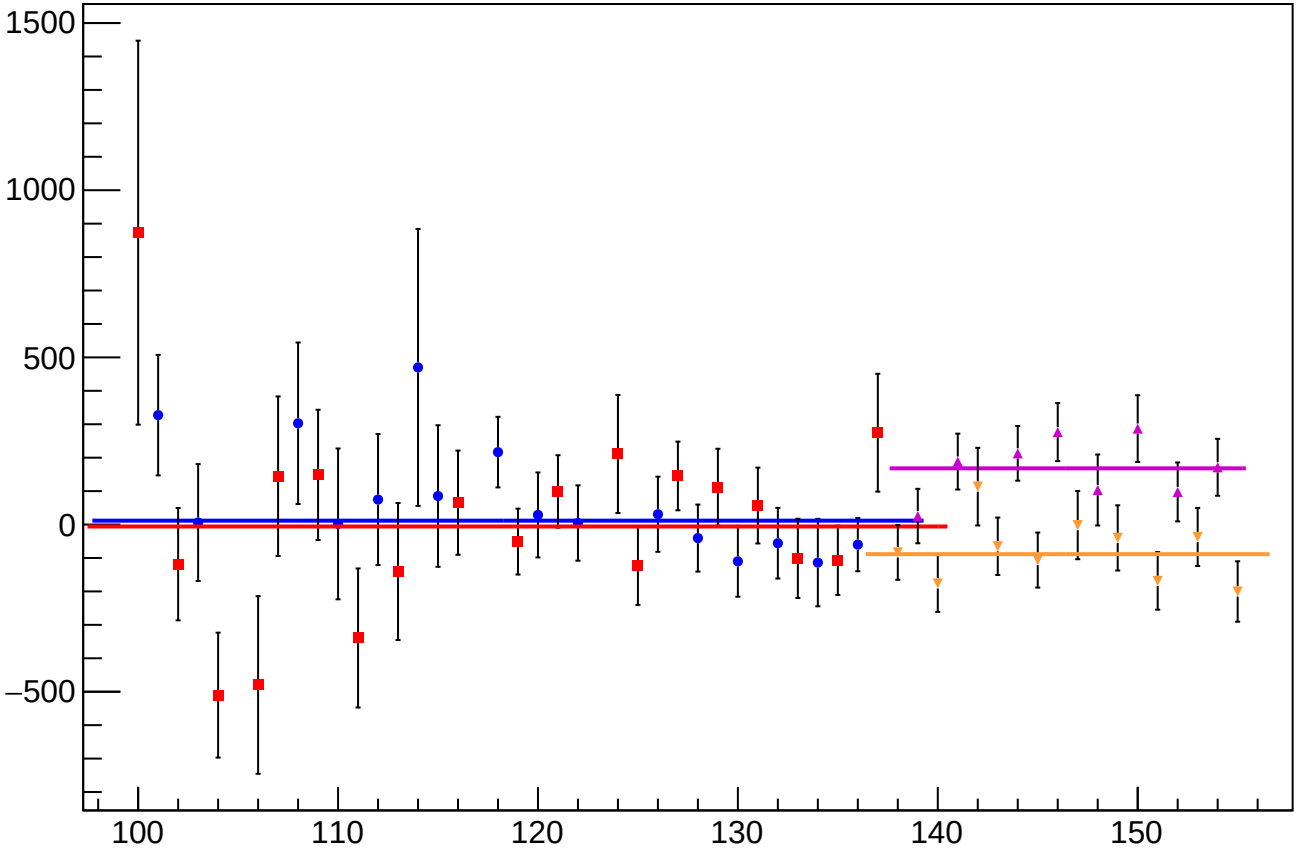
Left In: 339.748+/-0.093 χ^2/NDF:559640.8/7

\+ sign 367.319+/-0.071 χ^2/NDF: 2970298.0/25

All: 371.547+/-0.051 χ^2/NDF: 6274355.3/52

\- sign 376.253+/-0.075 χ^2/NDF: 3296490.9/26

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -88.555+/-28.433 χ^2/NDF:7.9/9

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

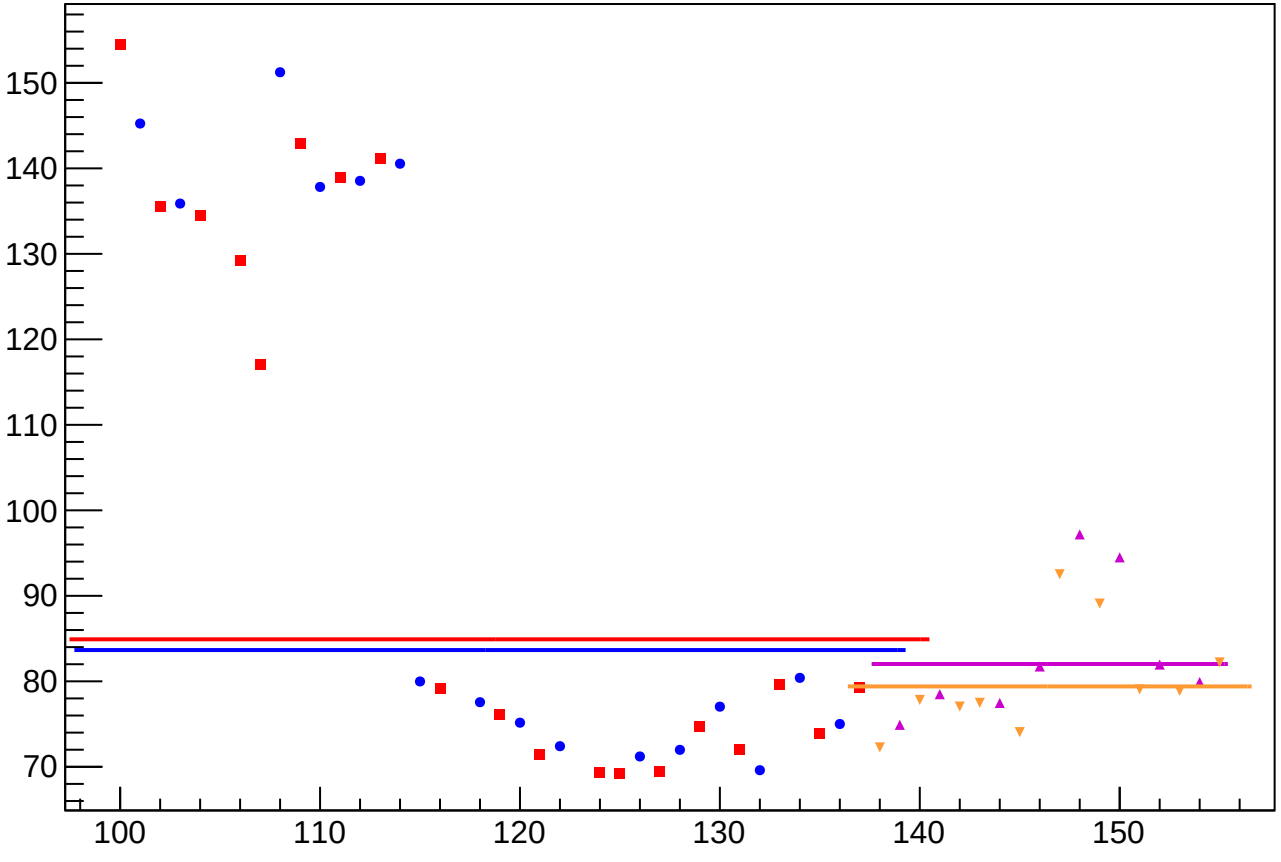
Left In: 168.107+/-31.123 χ^2/NDF:7.4/7

+ sign -44.802+/-21.341 χ^2/NDF: 26.9/25

All: 16.671+/-15.471 χ^2/NDF: 95.5/52

- sign 84.756+/-22.460 χ^2/NDF: 51.2/26

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.404+/-0.020 χ^2/NDF:81069.3/9

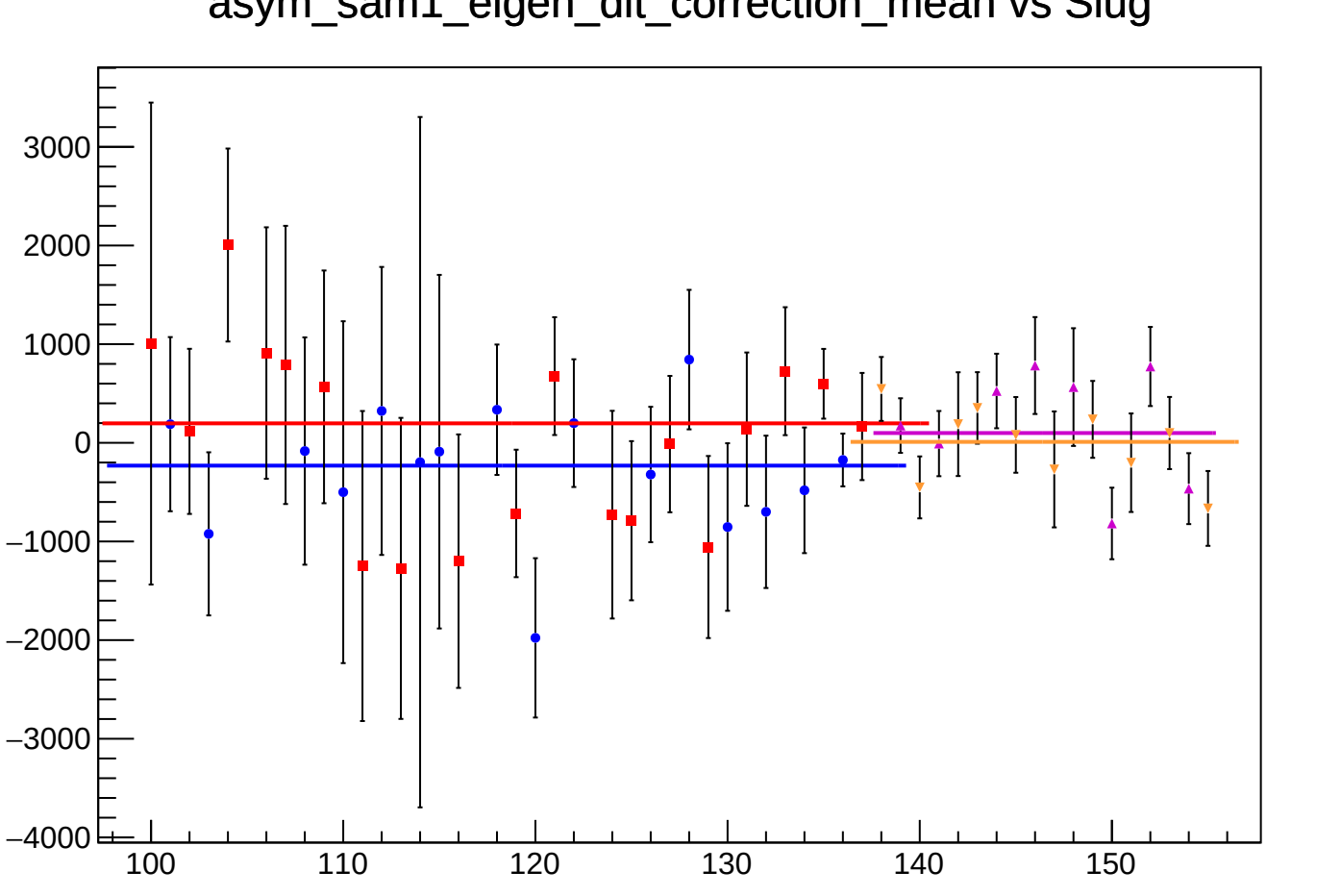
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.026+/-0.022 χ^2/NDF:98374.7/7

+ sign 81.261+/-0.015 χ^2/NDF: 1135398.8/25

All: 82.280+/-0.011 χ^2/NDF: 2373305.3/52

- sign 83.409+/-0.016 χ^2/NDF: 1228290.3/26



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 9.546+/-123.465 χ^2/NDF:9.9/9

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

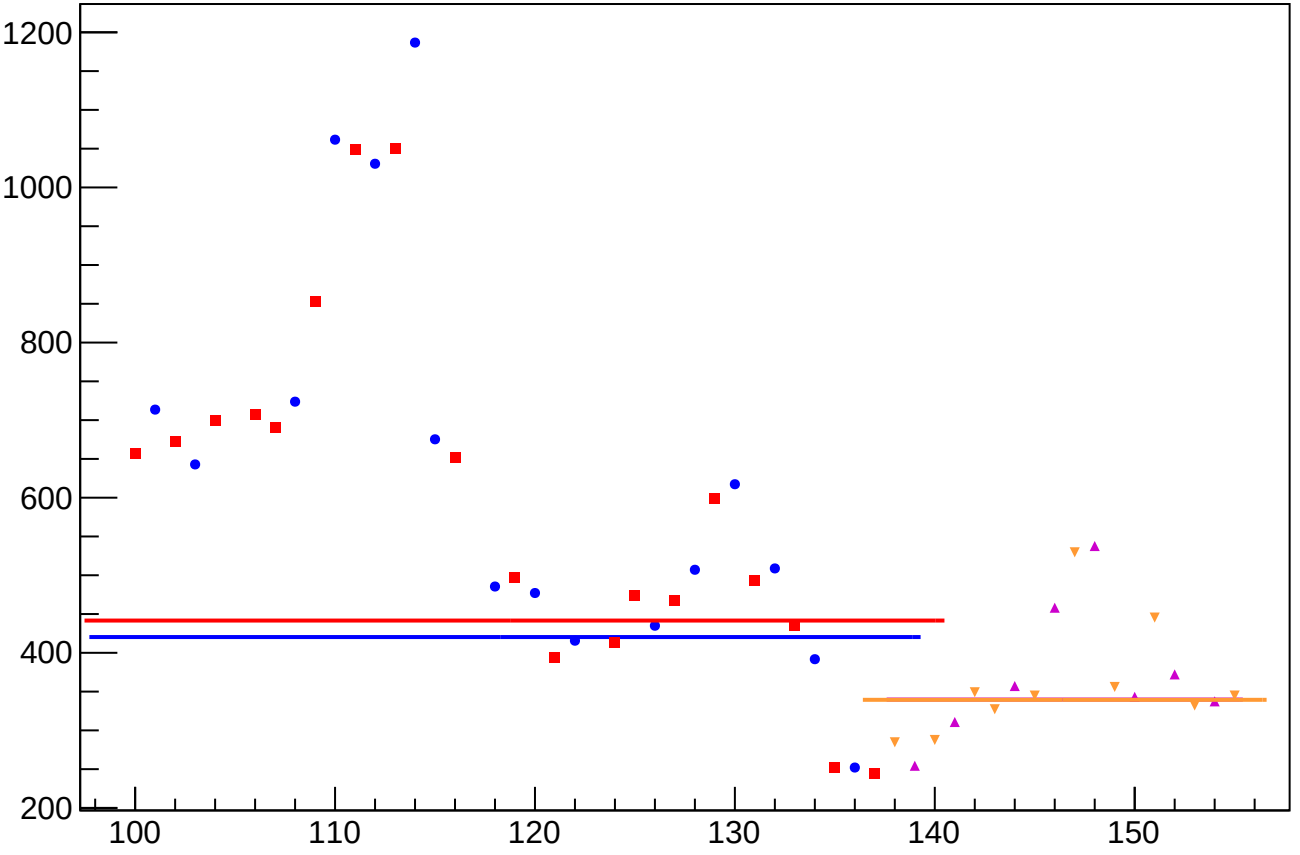
Left In: 99.154+/-131.616 χ^2/NDF:15.7/7

+ sign -73.573+/-99.925 χ^2/NDF: 21.6/25

All: 24.801+/-72.523 χ^2/NDF: 55.5/52

- sign 134.298+/-105.422 χ^2/NDF: 31.8/26

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 339.402+/-0.087 χ^2/NDF:419264.8/9

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

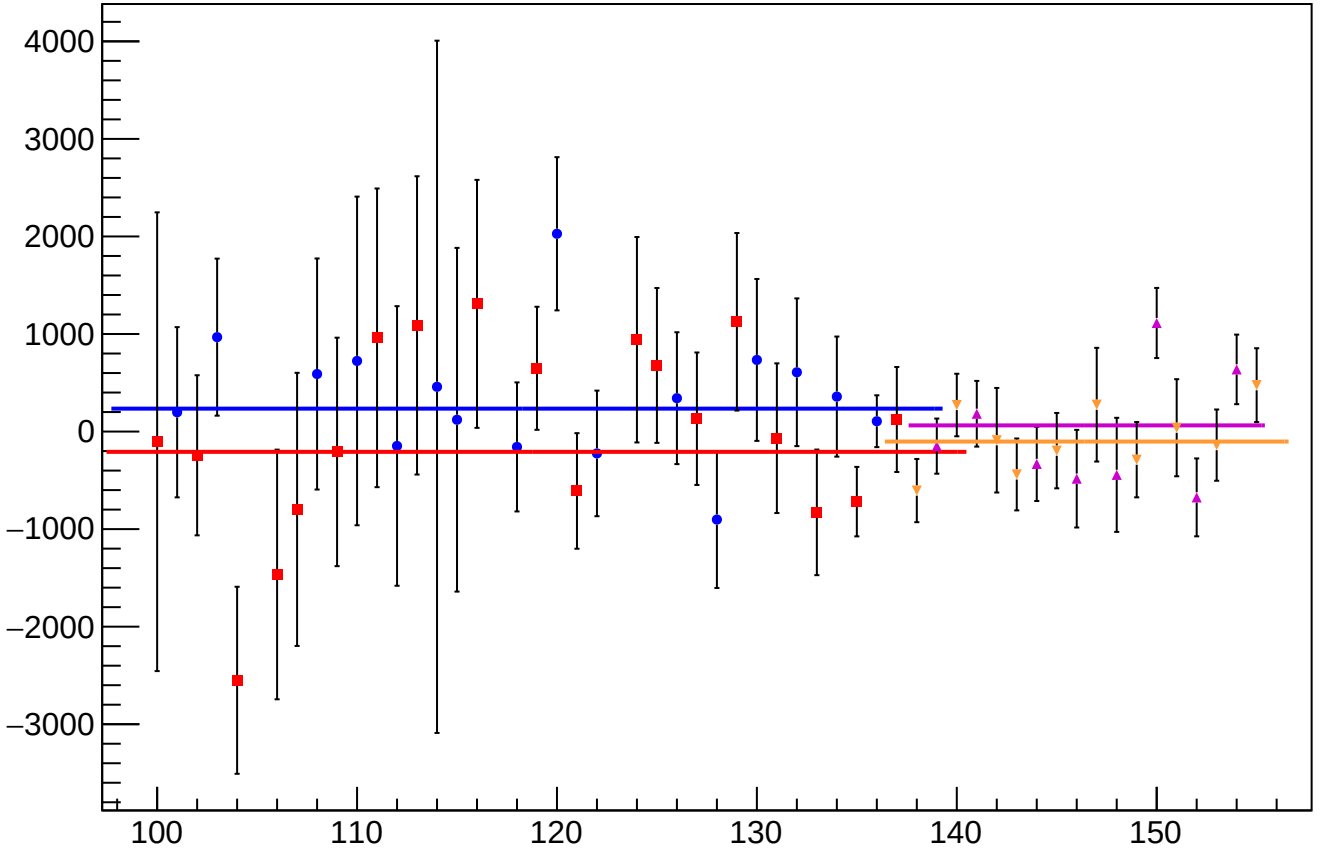
Left In: 339.748+/-0.093 χ^2/NDF:559641.6/7

+ sign 367.319+/-0.071 χ^2/NDF: 2970299.8/25

All: 371.547+/-0.051 χ^2/NDF: 6274360.1/52

- sign 376.253+/-0.075 χ^2/NDF: 3296493.9/26

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -102.541+/-124.052 χ^2/NDF:7.7/9

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

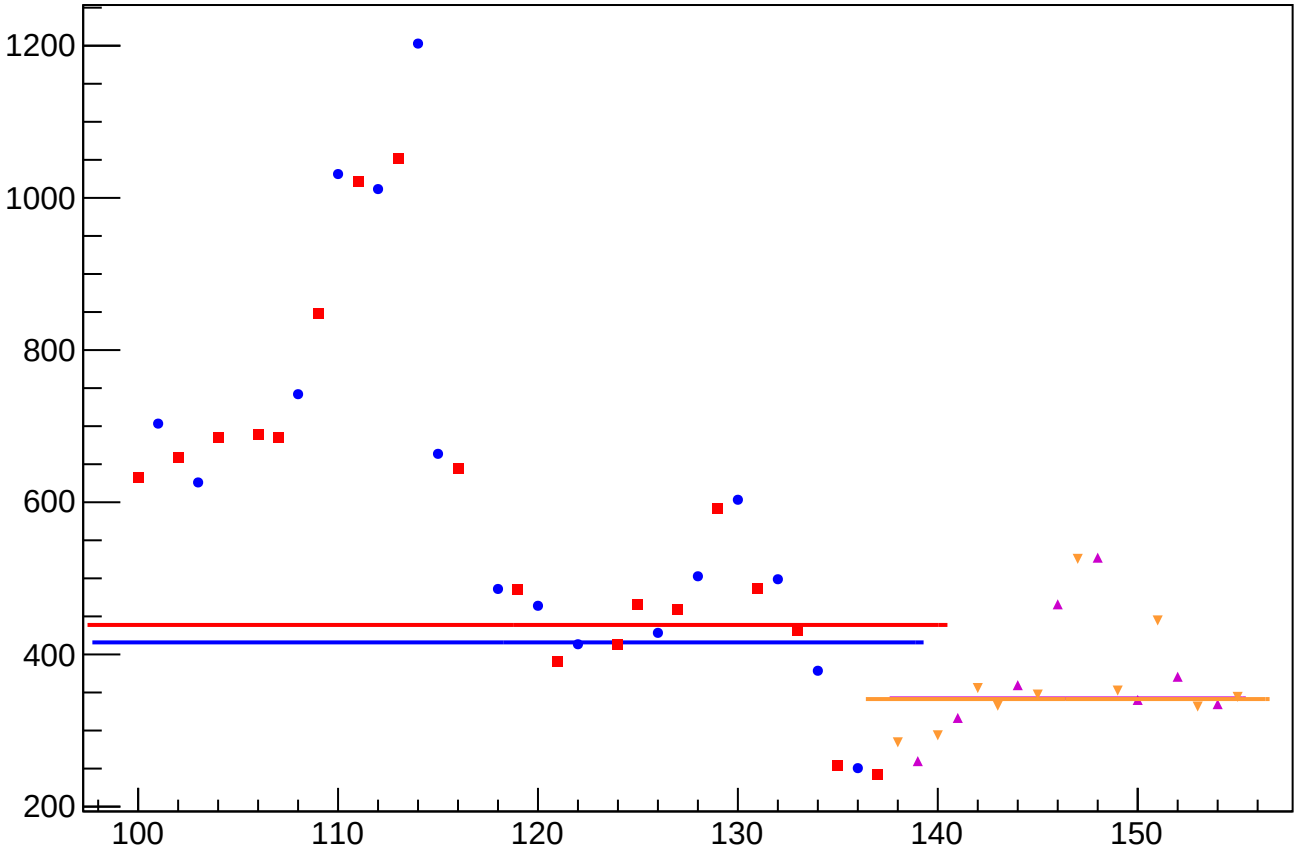
Left In: 63.292+/-132.401 χ^2/NDF:18.2/7

+ sign 16.398+/-99.836 χ^2/NDF: 21.0/25

All: -8.185+/-72.522 χ^2/NDF: 61.3/52

- sign -35.648+/-105.524 χ^2/NDF: 40.1/26

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 341.360+/-0.088 χ^2/NDF:398261.5/9

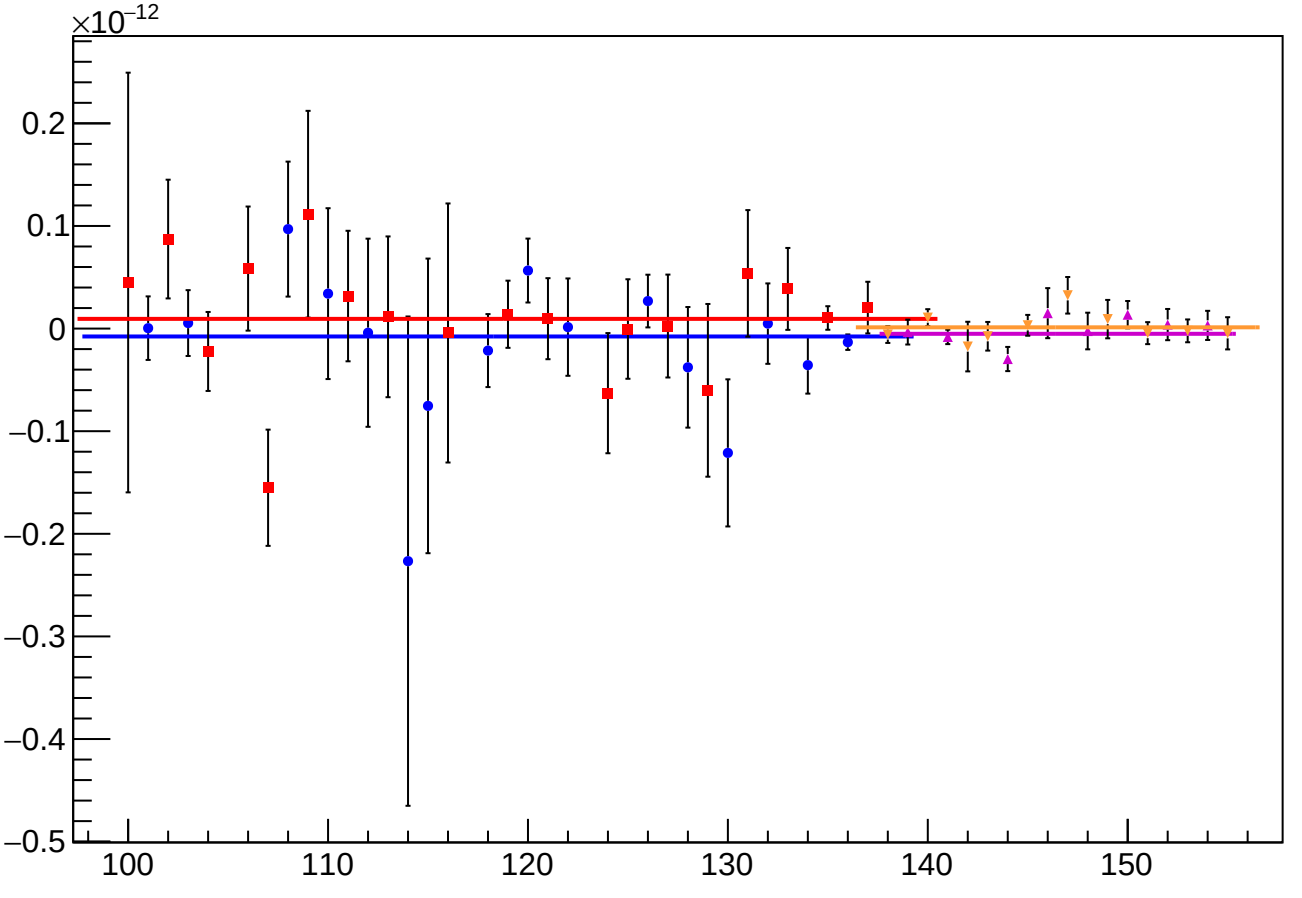
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 342.253+/-0.094 χ^2/NDF:519234.3/7

+ sign 367.600+/-0.071 χ^2/NDF: 2876202.7/25

All: 372.258+/-0.051 χ^2/NDF: 6027152.4/52

- sign 377.462+/-0.075 χ^2/NDF: 3141732.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/9

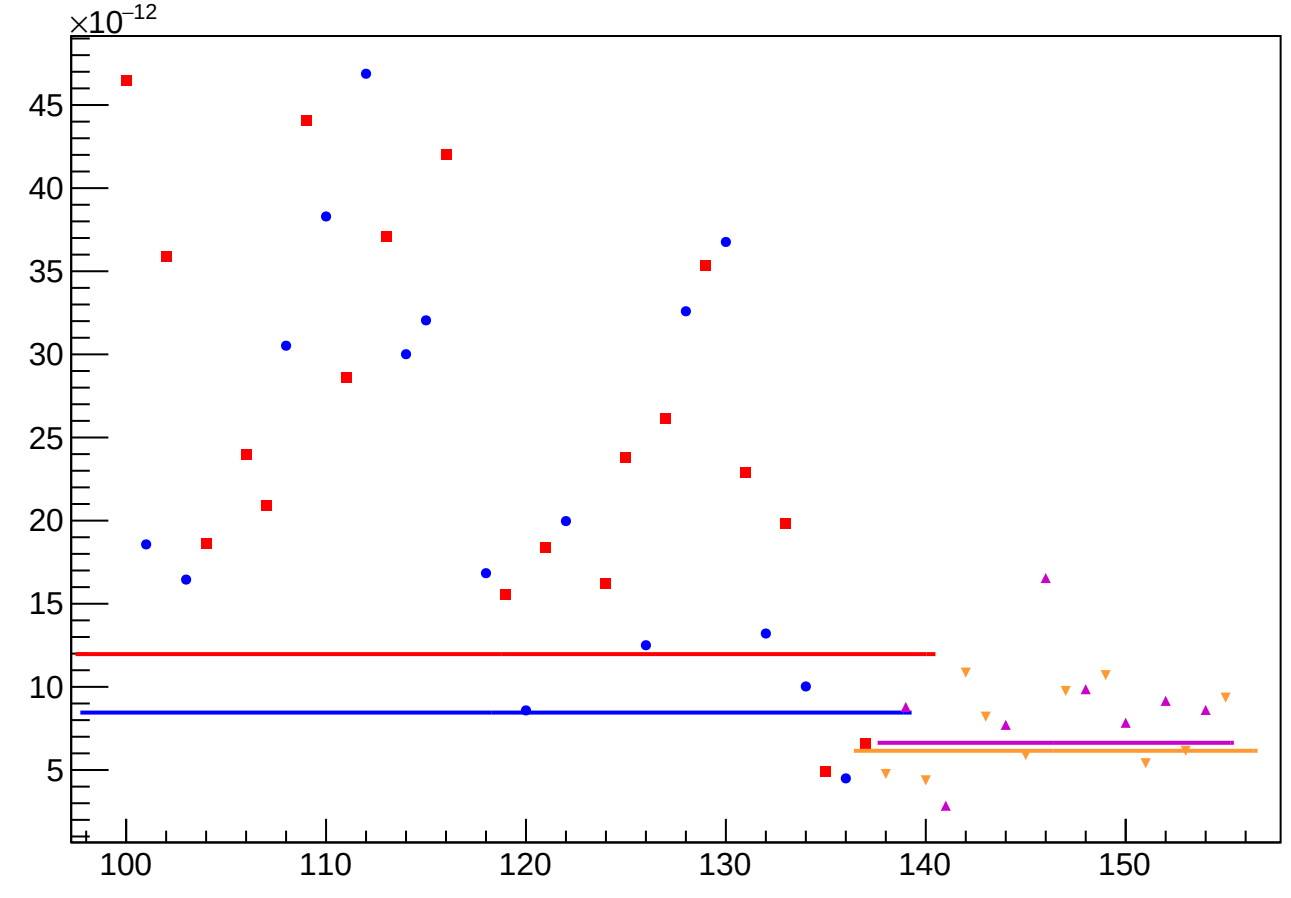
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/25

All: -0.000+/-0.000 χ^2/NDF: 49.9/52

- sign -0.000+/-0.000 χ^2/NDF: 26.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:563447.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

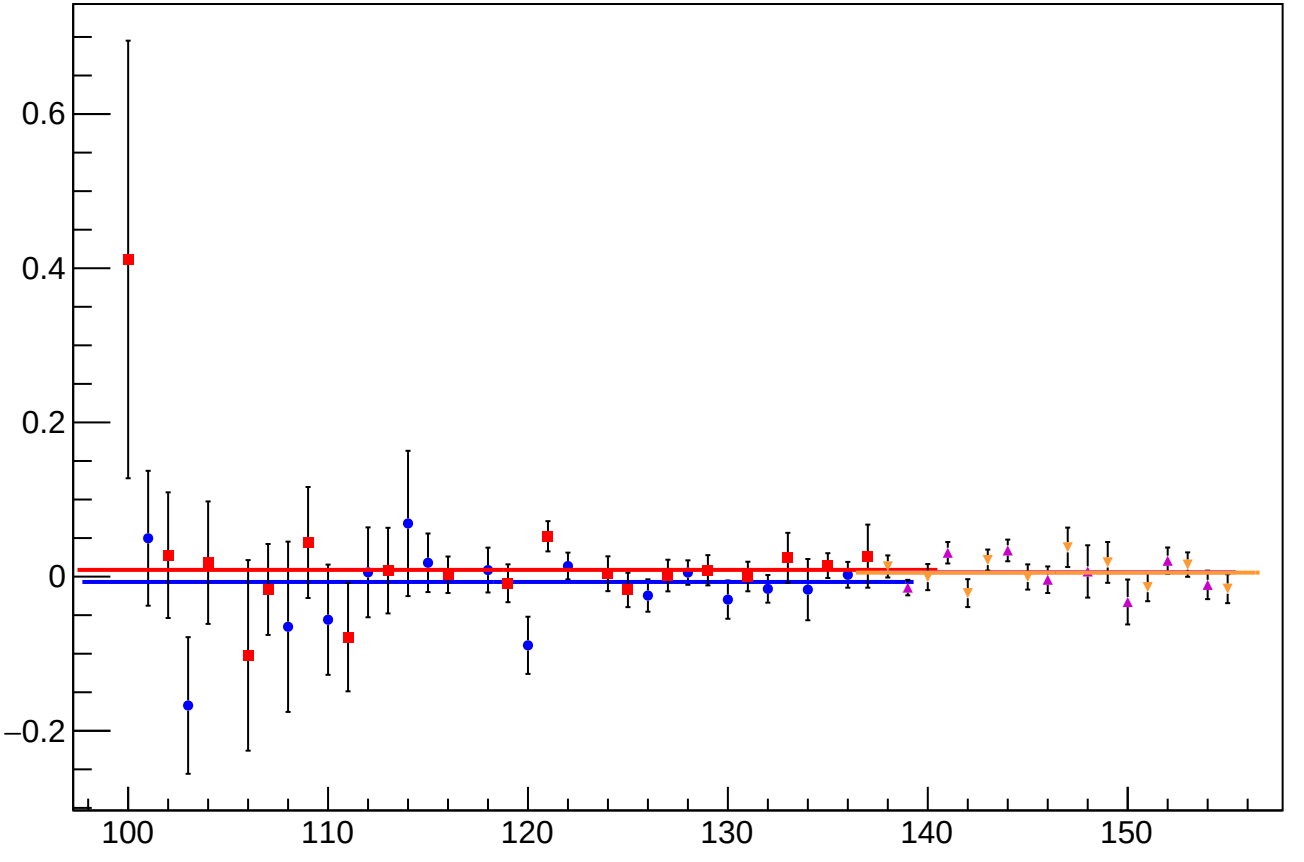
Left In: 0.000+/-0.000 χ^2/NDF:1166638.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 3523742.7/25

All: 0.000+/-0.000 χ^2/NDF: 8206813.6/52

- sign 0.000+/-0.000 χ^2/NDF: 4596292.9/26

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.005 χ^2/NDF:8.8/9

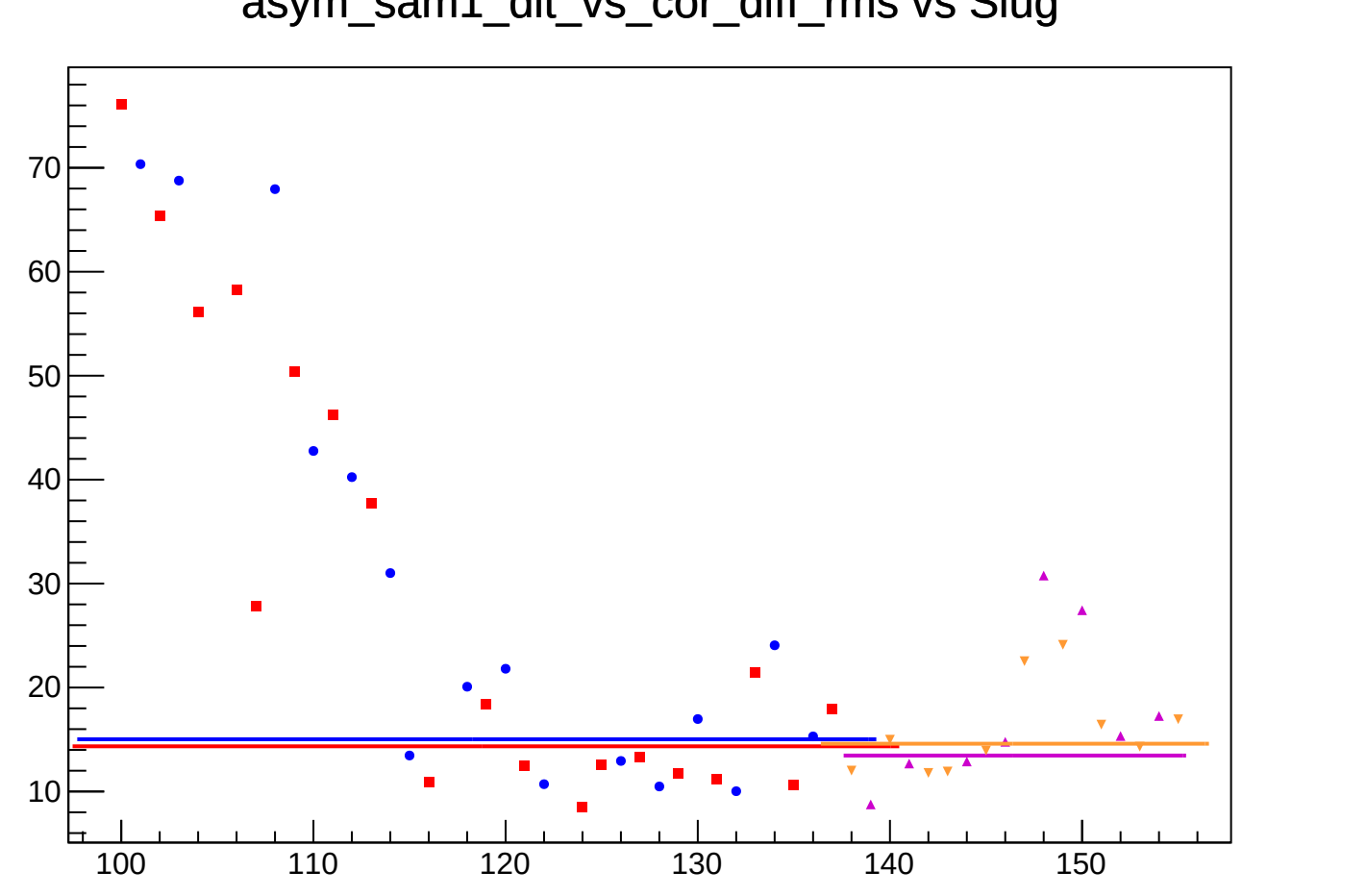
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.9/7

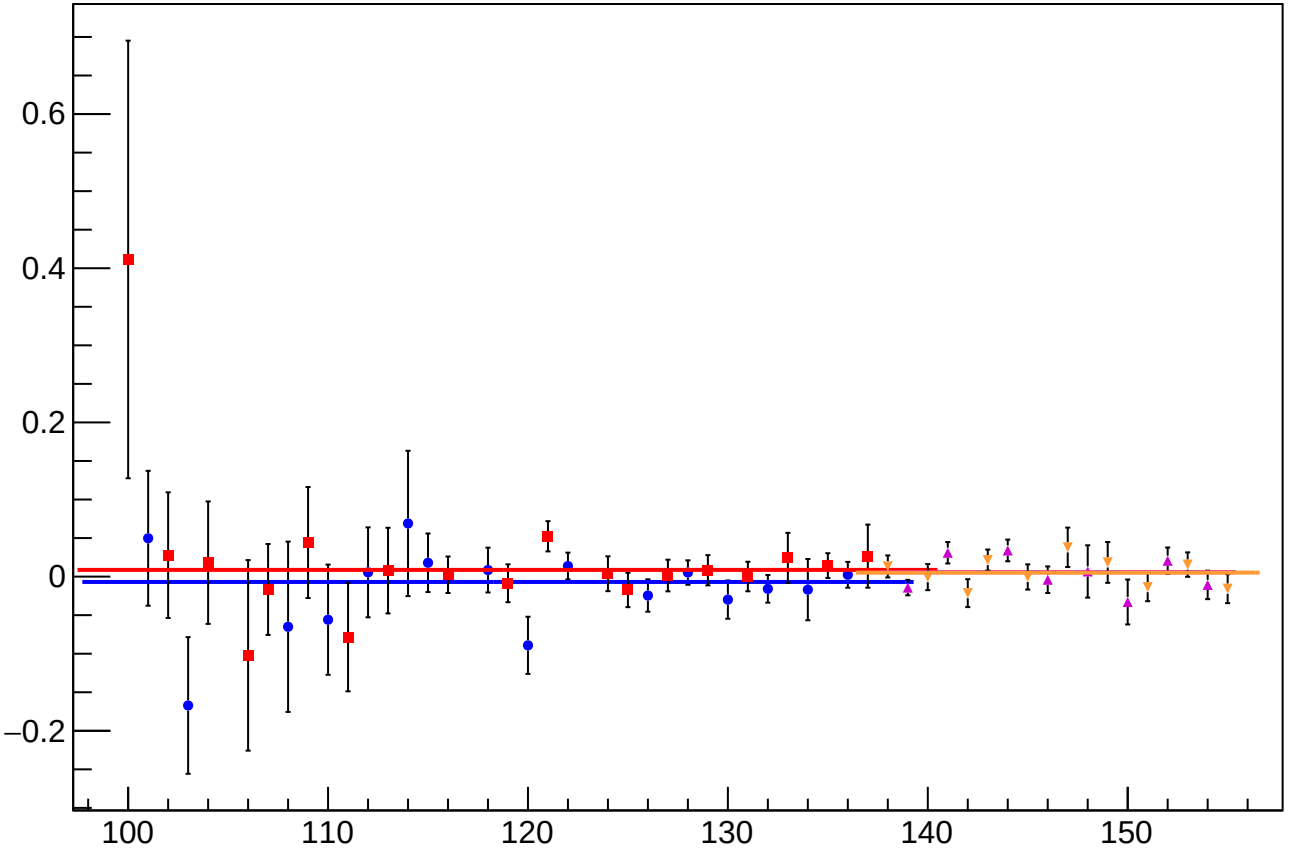
+ sign 0.000+/-0.004 χ^2/NDF: 25.7/25

All: 0.004+/-0.003 χ^2/NDF: 54.6/52

- sign 0.007+/-0.004 χ^2/NDF: 27.7/26


asym_sam1_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 15.026+/-0.005 χ²/NDF: 3438260.9/15
Left Out: 14.597+/-0.004 χ²/NDF:698022.6/9
Right Out: 14.348+/-0.005 χ²/NDF: 3629014.9/18
Left In: 13.459+/-0.004 χ²/NDF:1549805.6/7
+ sign 14.768+/-0.003 χ²/NDF: 4141157.9/25
All: 14.302+/-0.002 χ²/NDF: 9389427.2/52
- sign 13.846+/-0.003 χ²/NDF: 5200732.6/26

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.005 χ^2/NDF:8.8/9

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

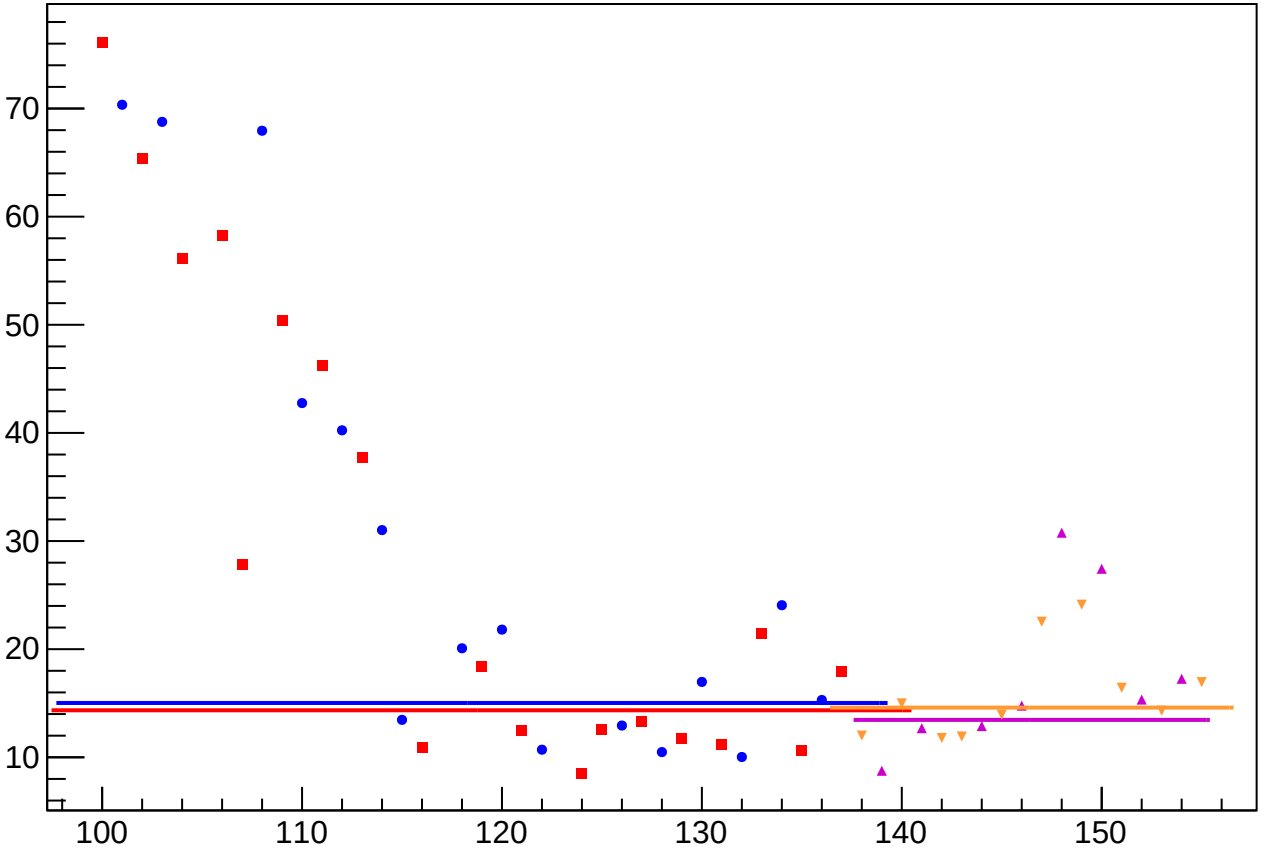
Left In: 0.006+/-0.006 χ^2/NDF:14.9/7

+ sign 0.000+/-0.004 χ^2/NDF: 25.7/25

All: 0.004+/-0.003 χ^2/NDF: 54.6/52

- sign 0.007+/-0.004 χ^2/NDF: 27.7/26

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.597+/-0.004 χ^2/NDF:698022.6/9

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

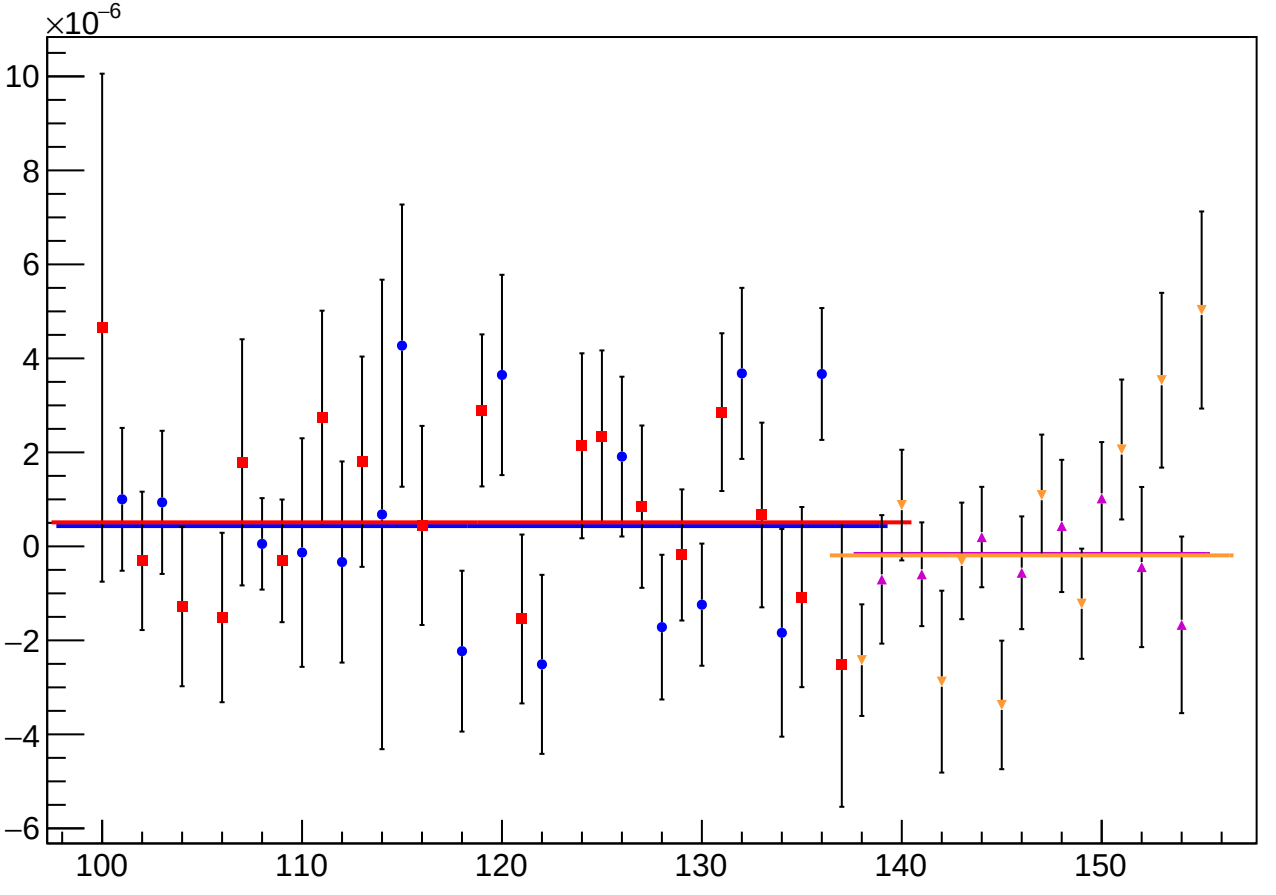
Left In: 13.459+/-0.004 χ^2/NDF:1549805.6/7

+ sign 14.768+/-0.003 χ^2/NDF: 4141157.9/25

All: 14.302+/-0.002 χ^2/NDF: 9389427.2/52

- sign 13.846+/-0.003 χ^2/NDF: 5200732.6/26

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:26.0/9

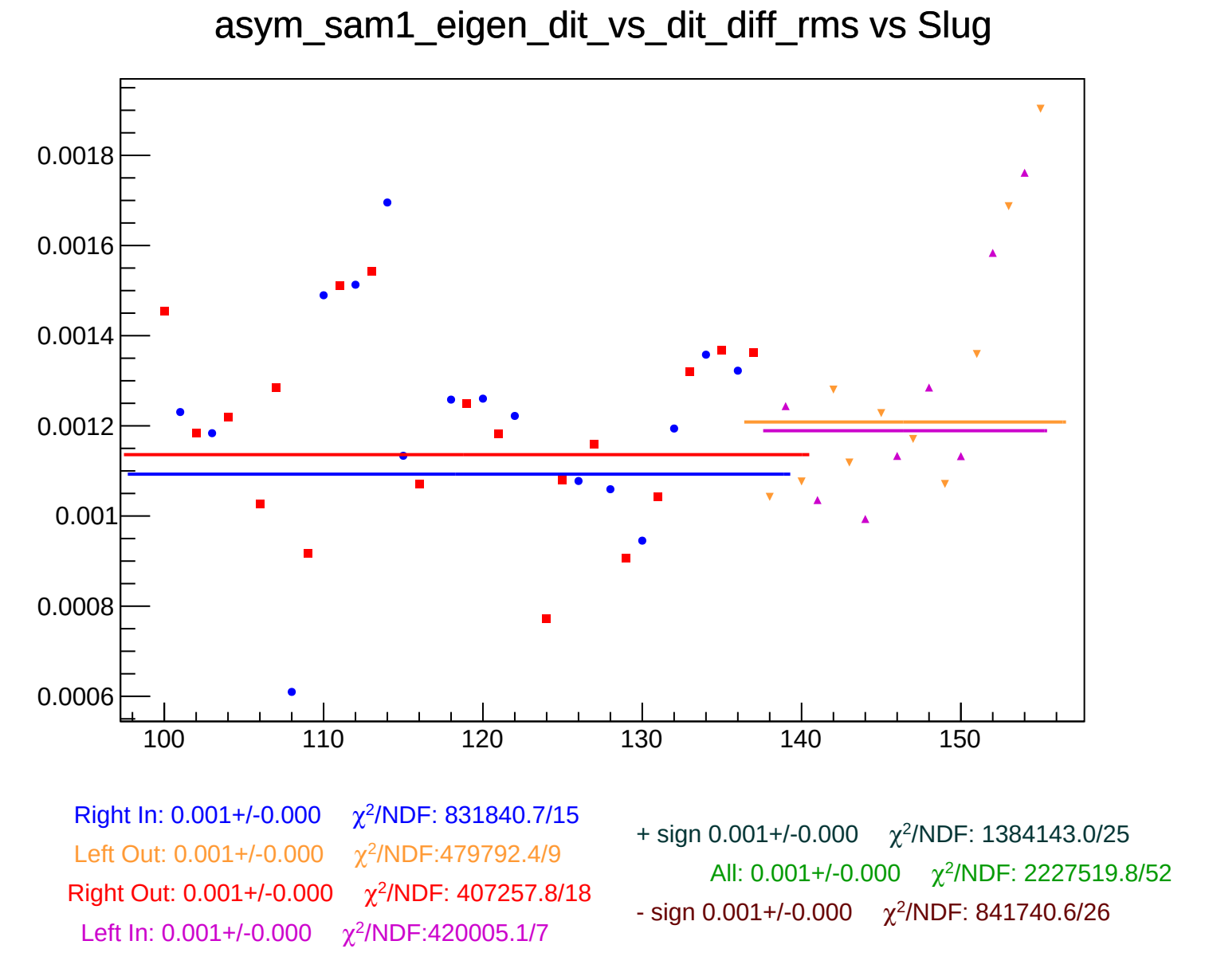
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/7

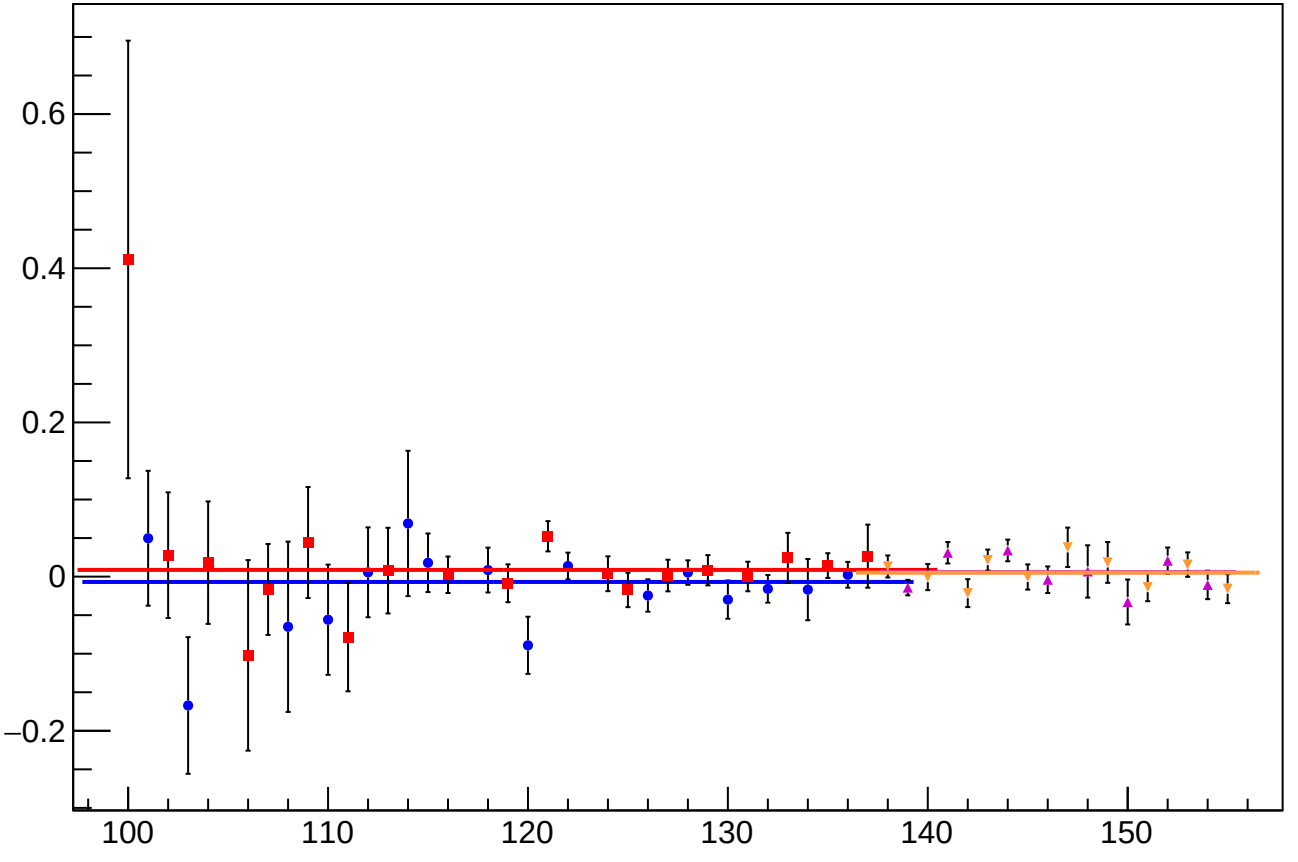
+ sign 0.000+/-0.000 χ^2/NDF: 50.3/25

All: 0.000+/-0.000 χ^2/NDF: 68.1/52

- sign 0.000+/-0.000 χ^2/NDF: 17.8/26


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
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:479792.4/9
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:420005.1/7
+ sign 0.001+/-0.000 χ²/NDF: 1384143.0/25
All: 0.001+/-0.000 χ²/NDF: 2227519.8/52
- sign 0.001+/-0.000 χ²/NDF: 841740.6/26

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.005 χ^2/NDF:8.8/9

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

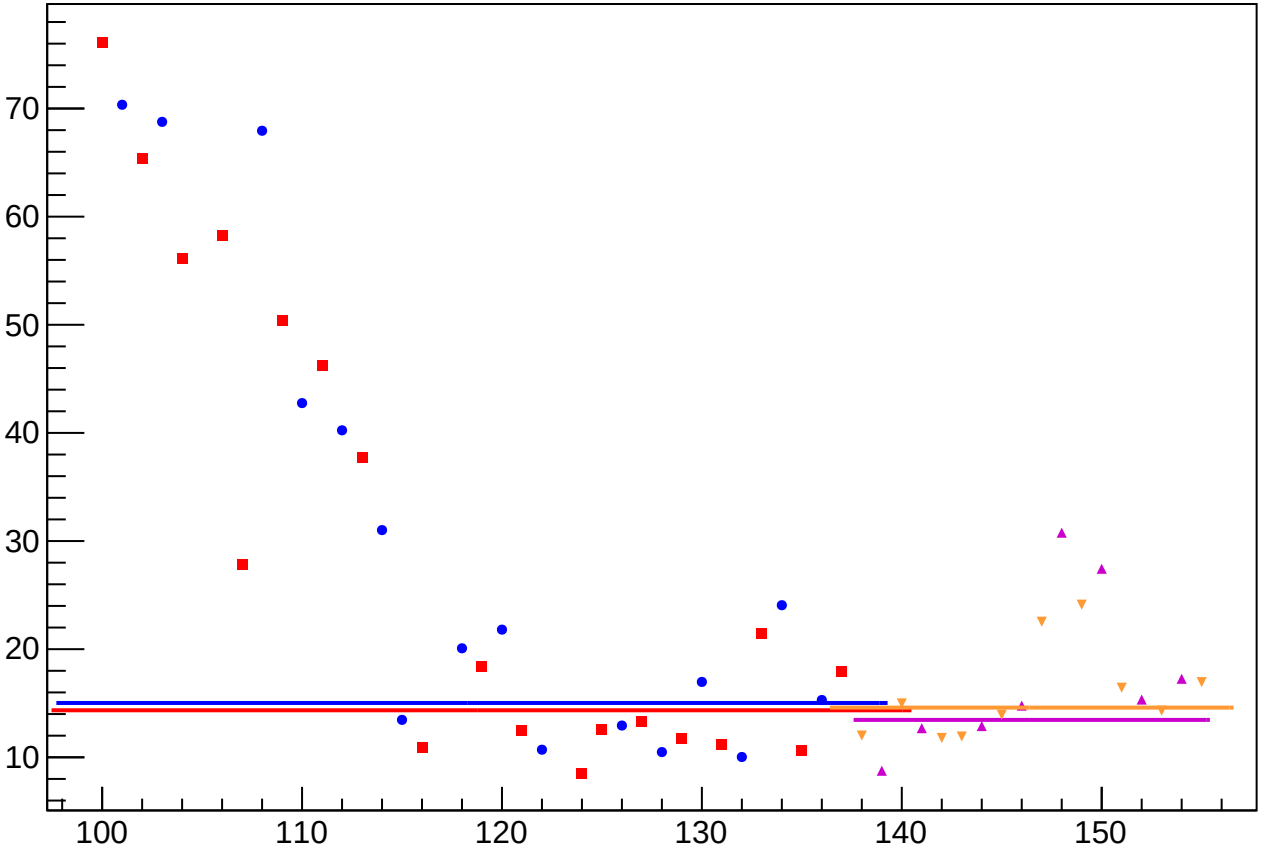
Left In: 0.006+/-0.006 χ^2/NDF:14.9/7

+ sign 0.000+/-0.004 χ^2/NDF: 25.7/25

All: 0.004+/-0.003 χ^2/NDF: 54.6/52

- sign 0.007+/-0.004 χ^2/NDF: 27.7/26

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.597+/-0.004 χ^2/NDF:698014.9/9

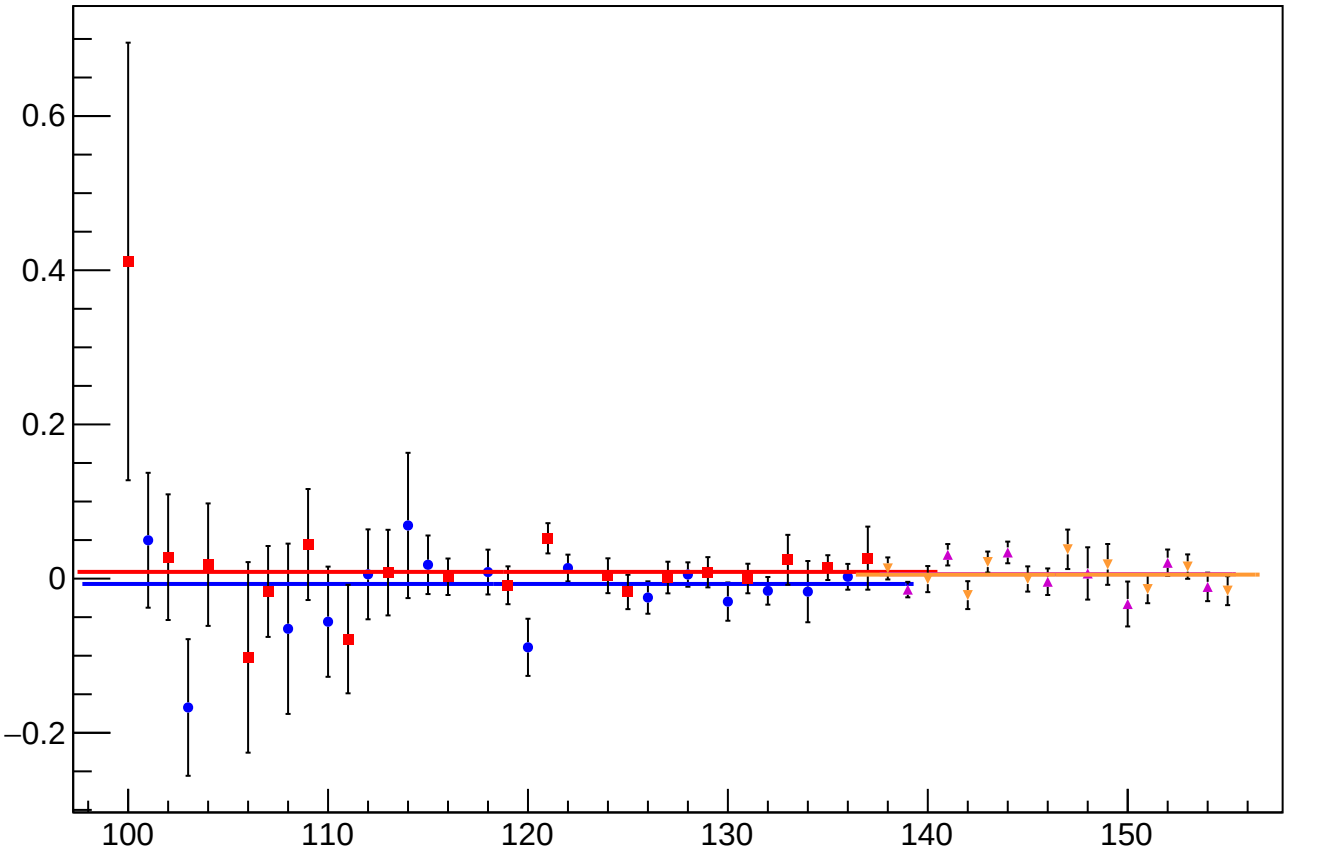
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.459+/-0.004 χ^2/NDF:1549835.9/7

+ sign 14.768+/-0.003 χ^2/NDF: 4141162.7/25

All: 14.302+/-0.002 χ^2/NDF: 9389448.2/52

- sign 13.846+/-0.003 χ^2/NDF: 5200748.0/26



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.005 χ^2/NDF:8.8/9

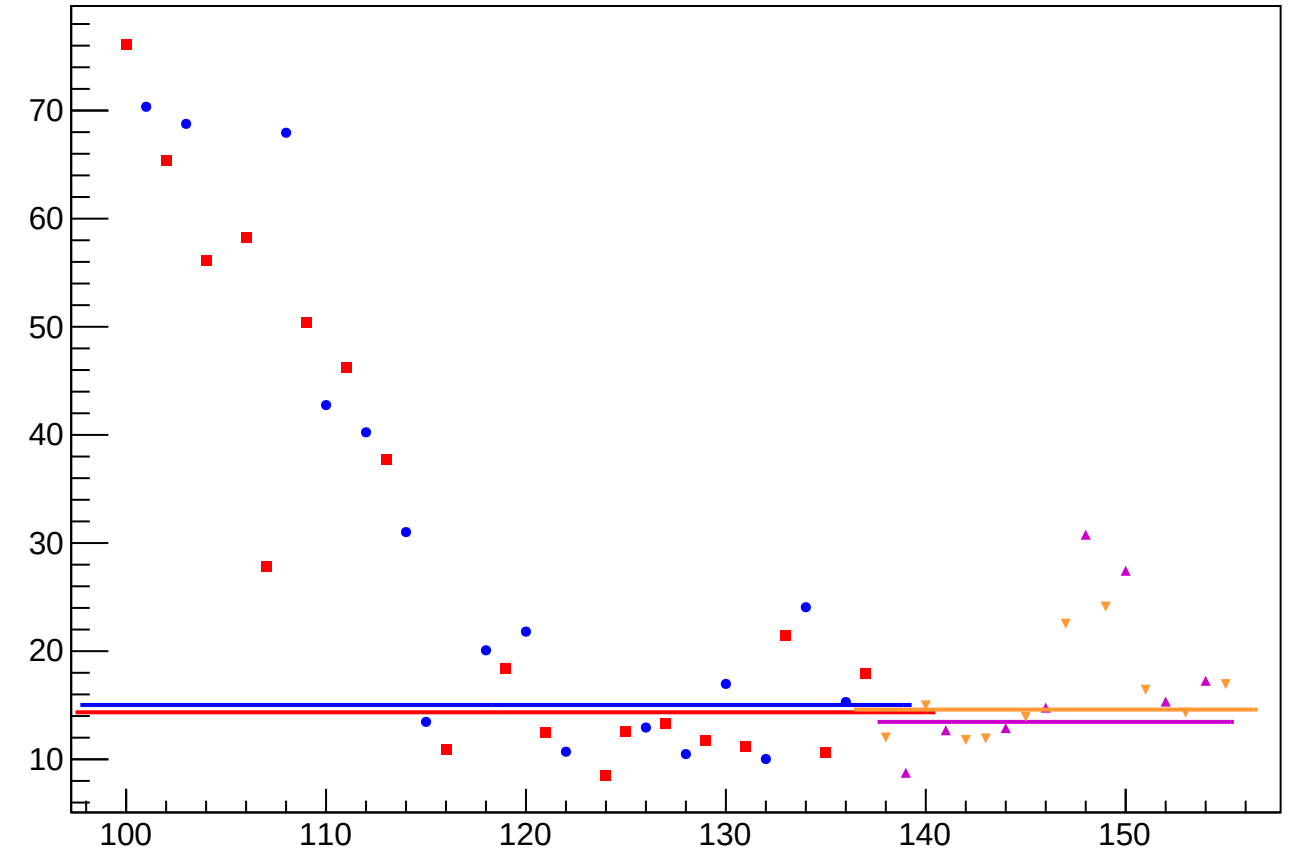
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.9/7

+ sign 0.000+/-0.004 χ^2/NDF: 25.7/25

All: 0.004+/-0.003 χ^2/NDF: 54.6/52

- sign 0.007+/-0.004 χ^2/NDF: 27.7/26



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.597+/-0.004 χ^2/NDF:698014.9/9

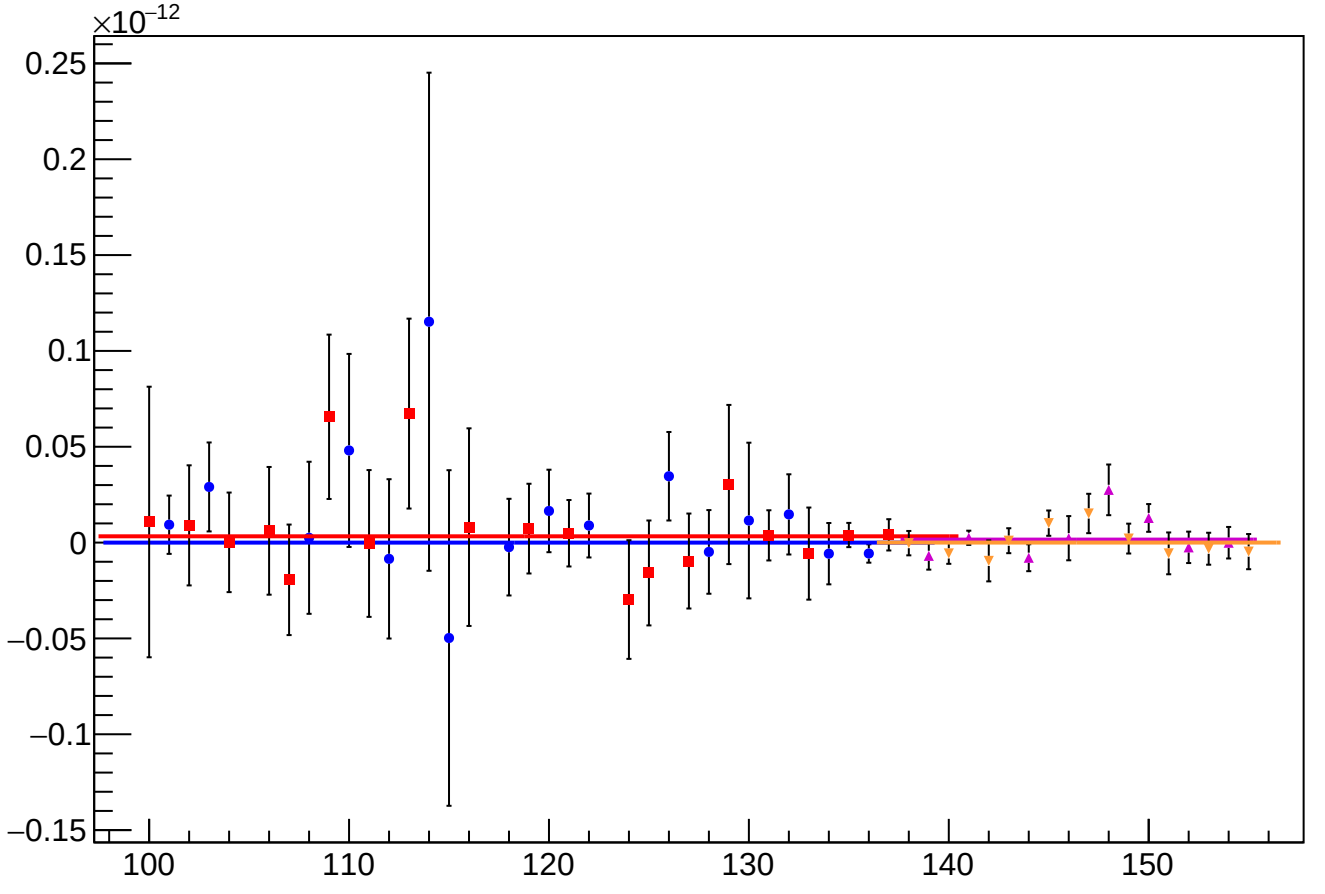
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.459+/-0.004 χ^2/NDF:1549835.9/7

+ sign 14.768+/-0.003 χ^2/NDF: 4141162.7/25

All: 14.302+/-0.002 χ^2/NDF: 9389448.2/52

- sign 13.846+/-0.003 χ^2/NDF: 5200748.0/26



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/9

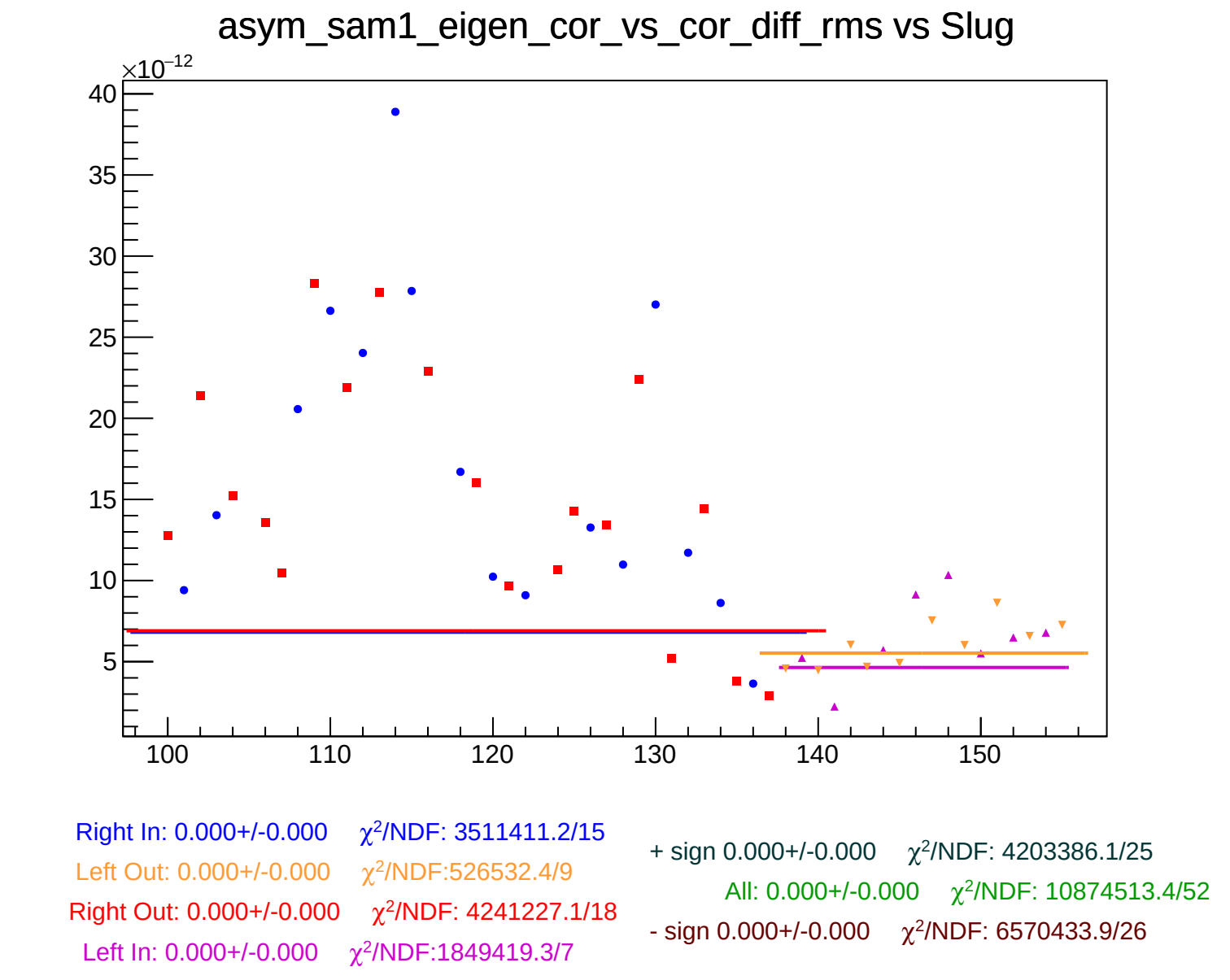
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.8/7

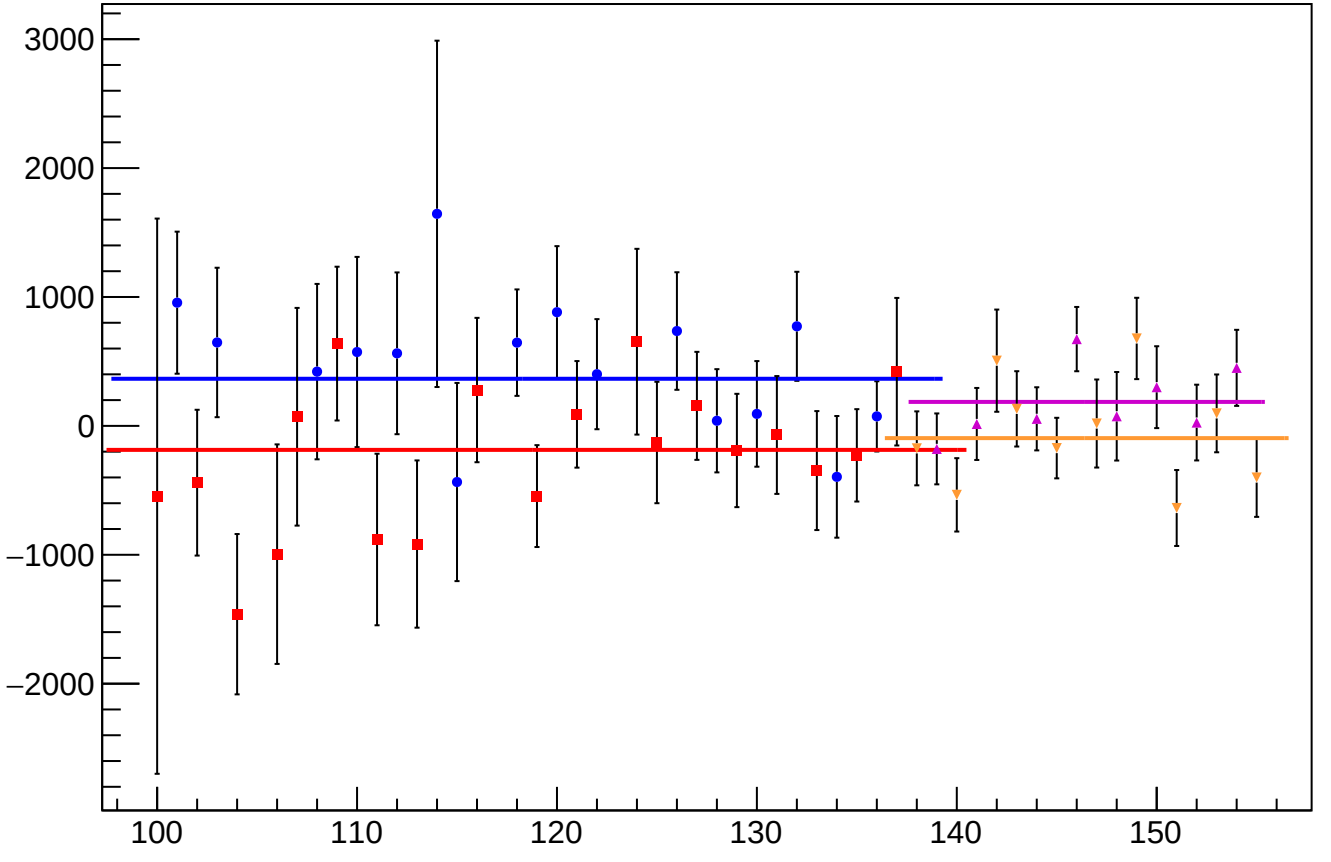
+ sign 0.000+/-0.000 χ^2/NDF: 16.5/25

All: 0.000+/-0.000 χ^2/NDF: 34.0/52

- sign 0.000+/-0.000 χ^2/NDF: 17.0/26


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:526532.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:1849419.3/7
+ sign 0.000+/-0.000 χ²/NDF: 4203386.1/25
All: 0.000+/-0.000 χ²/NDF: 10874513.4/52
- sign 0.000+/-0.000 χ²/NDF: 6570433.9/26

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -94.942+/-94.259 χ^2/NDF:16.4/9

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

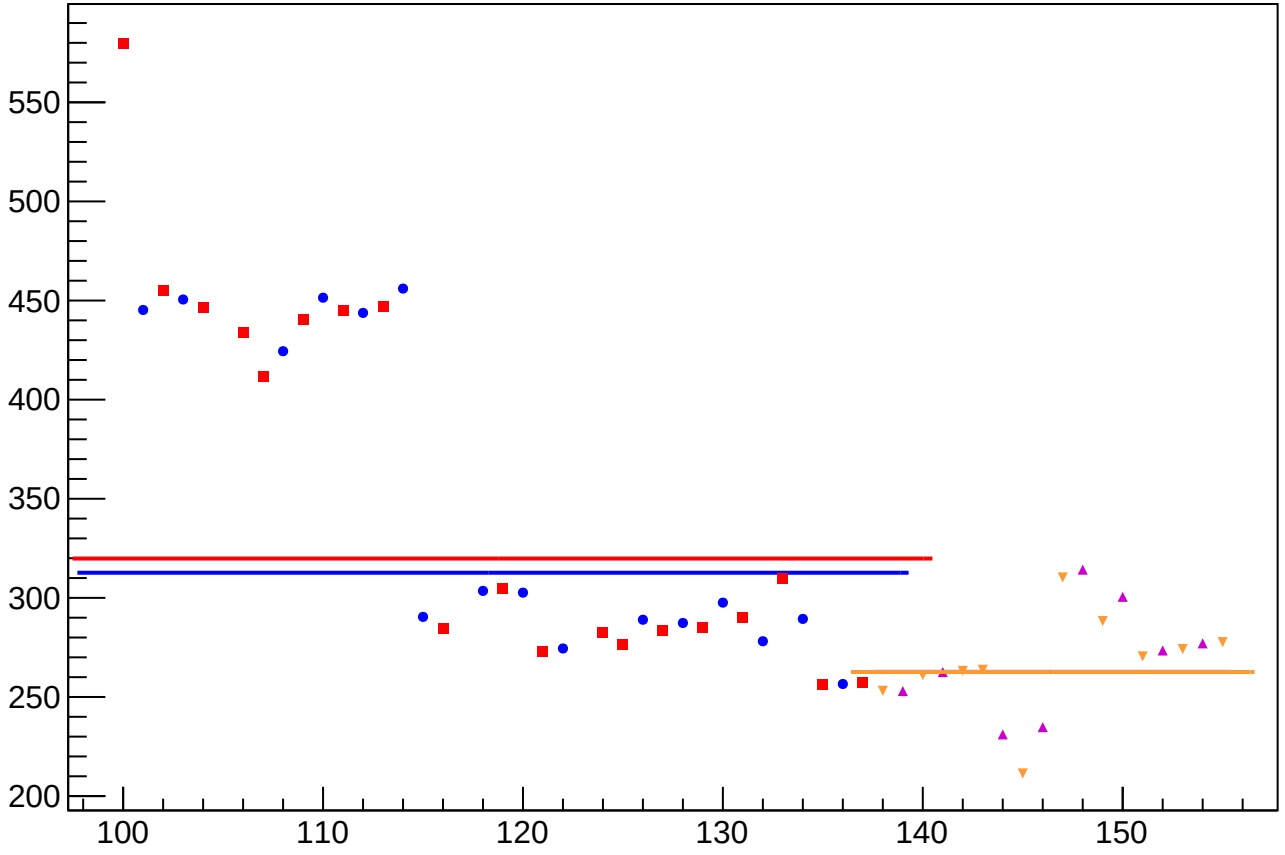
Left In: 186.040+/-99.871 χ^2/NDF:7.6/7

+ sign 82.819+/-73.858 χ^2/NDF: 37.1/25

All: 59.377+/-53.239 χ^2/NDF: 65.5/52

- sign 34.021+/-76.812 χ^2/NDF: 28.3/26

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 262.607+/-0.067 χ^2/NDF:158754.2/9

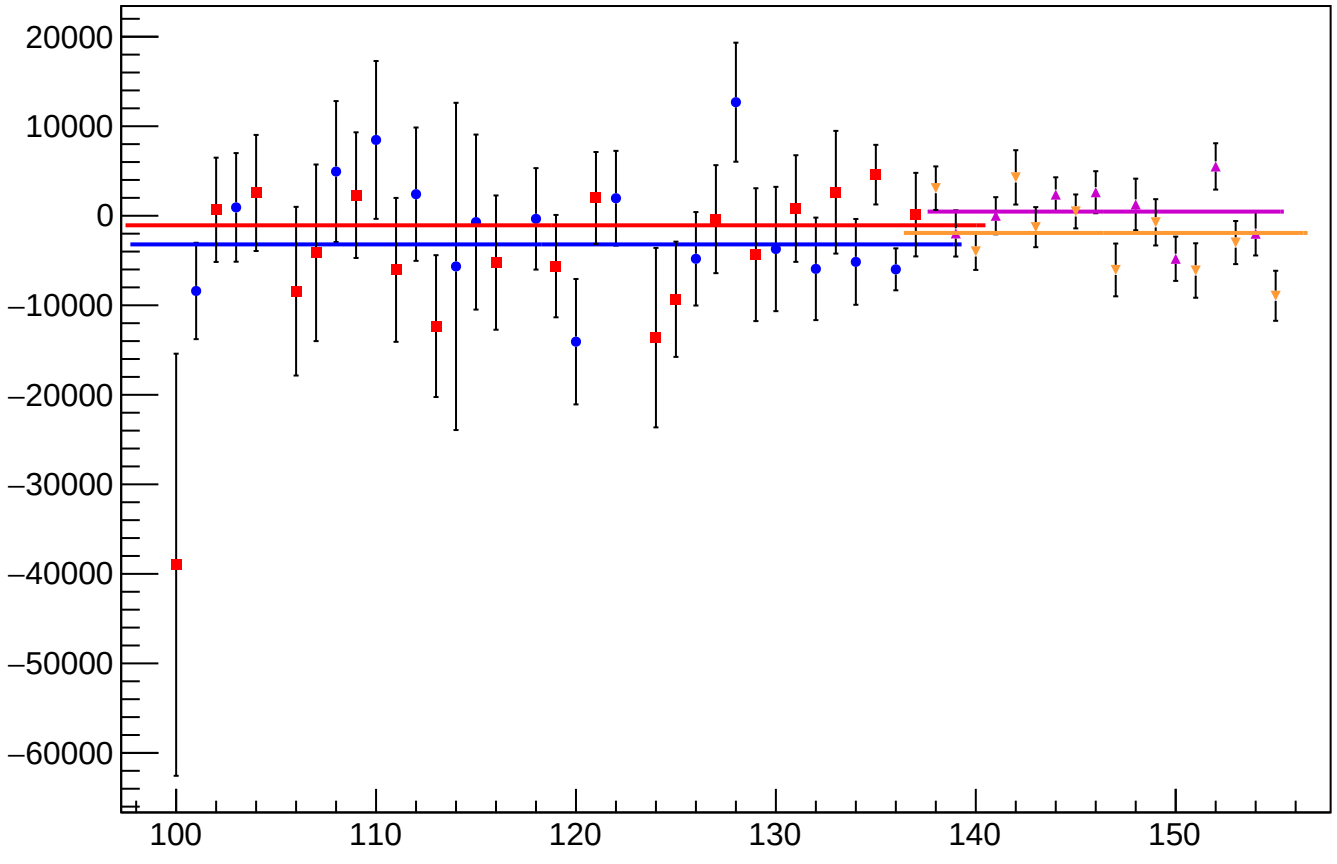
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 262.670+/-0.071 χ^2/NDF:141673.5/7

+ sign 281.938+/-0.052 χ^2/NDF: 978862.7/25

All: 283.900+/-0.038 χ^2/NDF: 2089048.9/52

- sign 286.022+/-0.054 χ^2/NDF: 1107249.2/26



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1919.358+/-775.246 χ^2/NDF:21.7/9

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

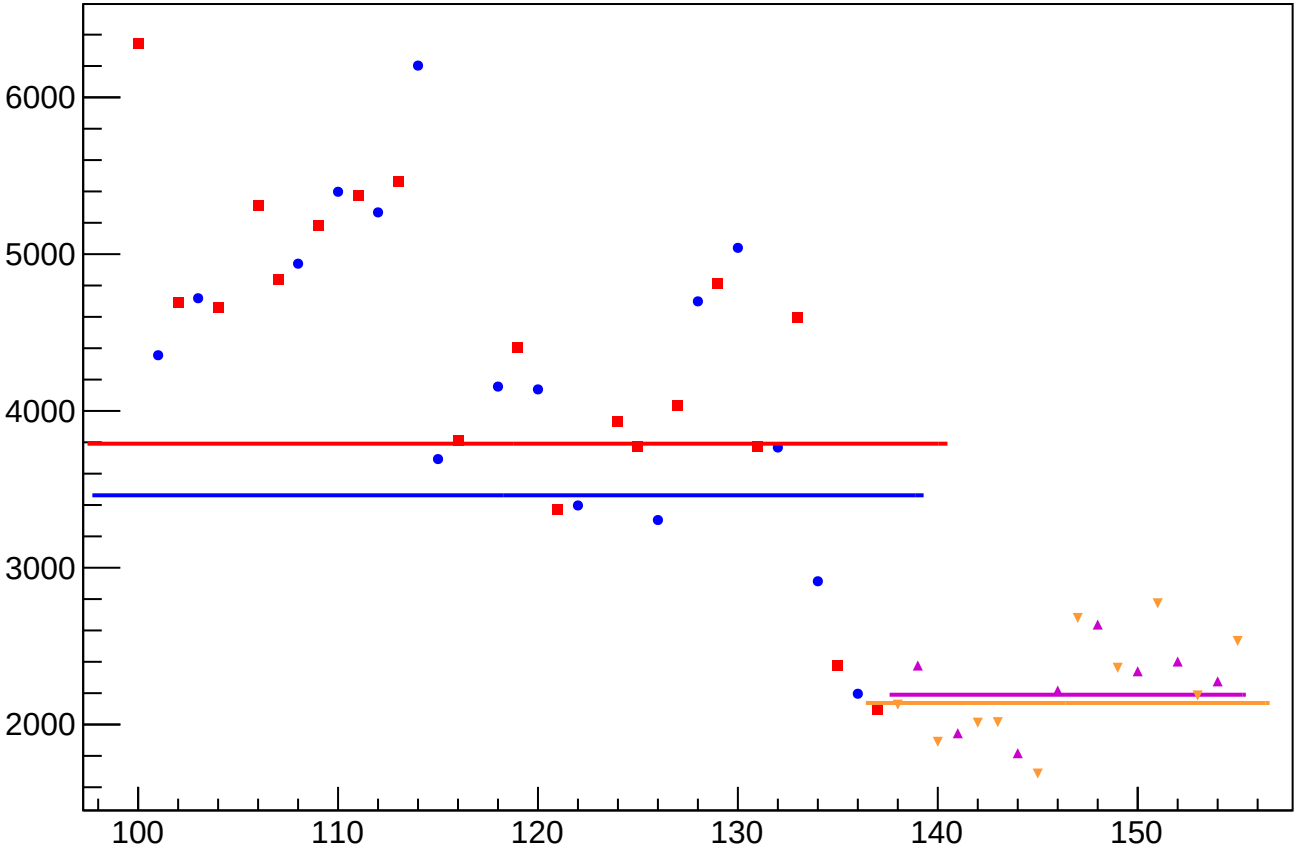
Left In: 464.767+/-834.901 χ^2/NDF:12.2/7

+ sign -2235.289+/-672.751 χ^2/NDF: 38.5/25

All: -1159.950+/-492.419 χ^2/NDF: 71.4/52

- sign 80.991+/-722.699 χ^2/NDF: 27.4/26

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2137.432+/-0.548 χ^2/NDF:362198.2/9

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

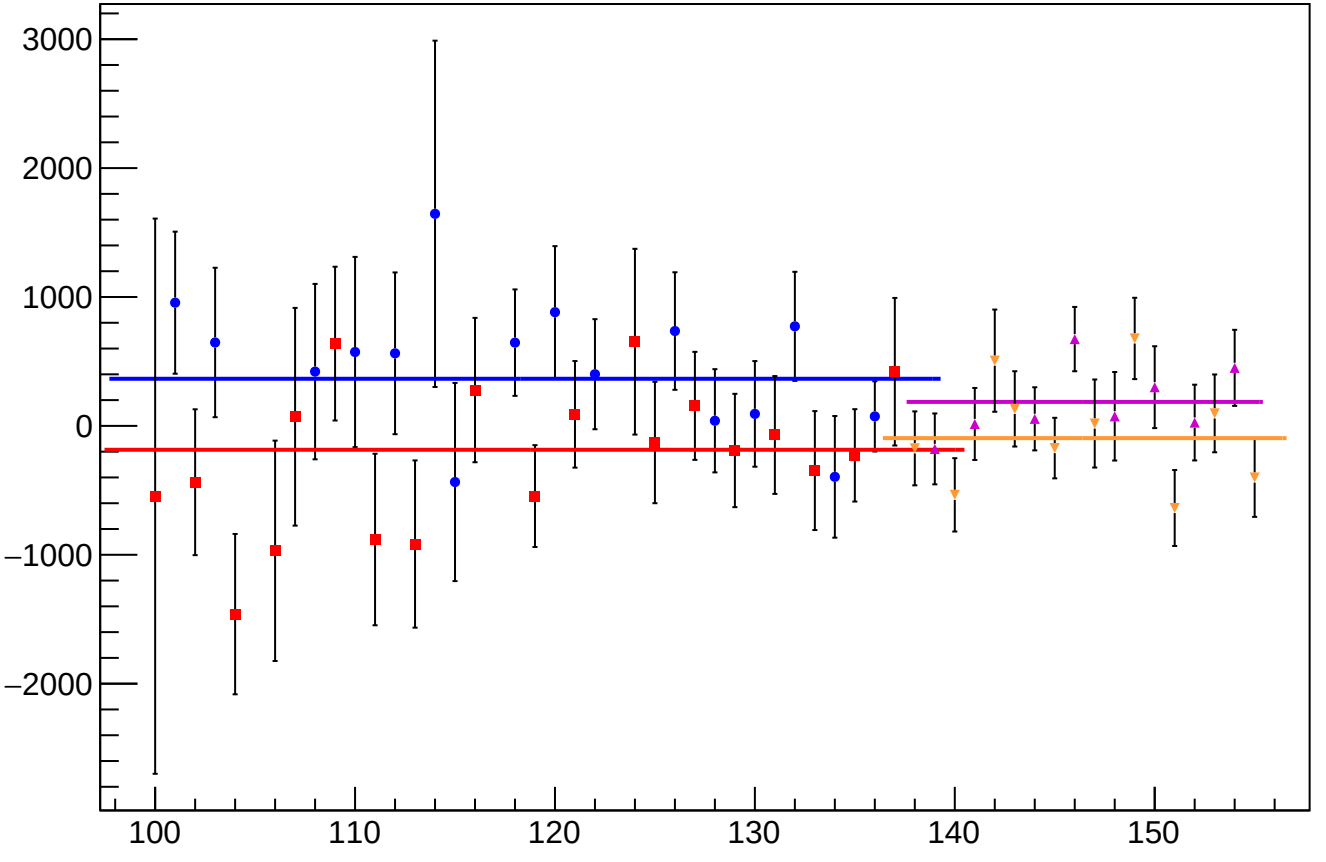
Left In: 2190.067+/-0.590 χ^2/NDF:184665.6/7

+ sign 2464.503+/-0.476 χ^2/NDF: 3113371.3/25

All: 2523.463+/-0.348 χ^2/NDF: 6331069.1/52

- sign 2591.502+/-0.511 χ^2/NDF: 3184609.4/26

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -94.938+/-94.259 χ^2/NDF:16.4/9

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

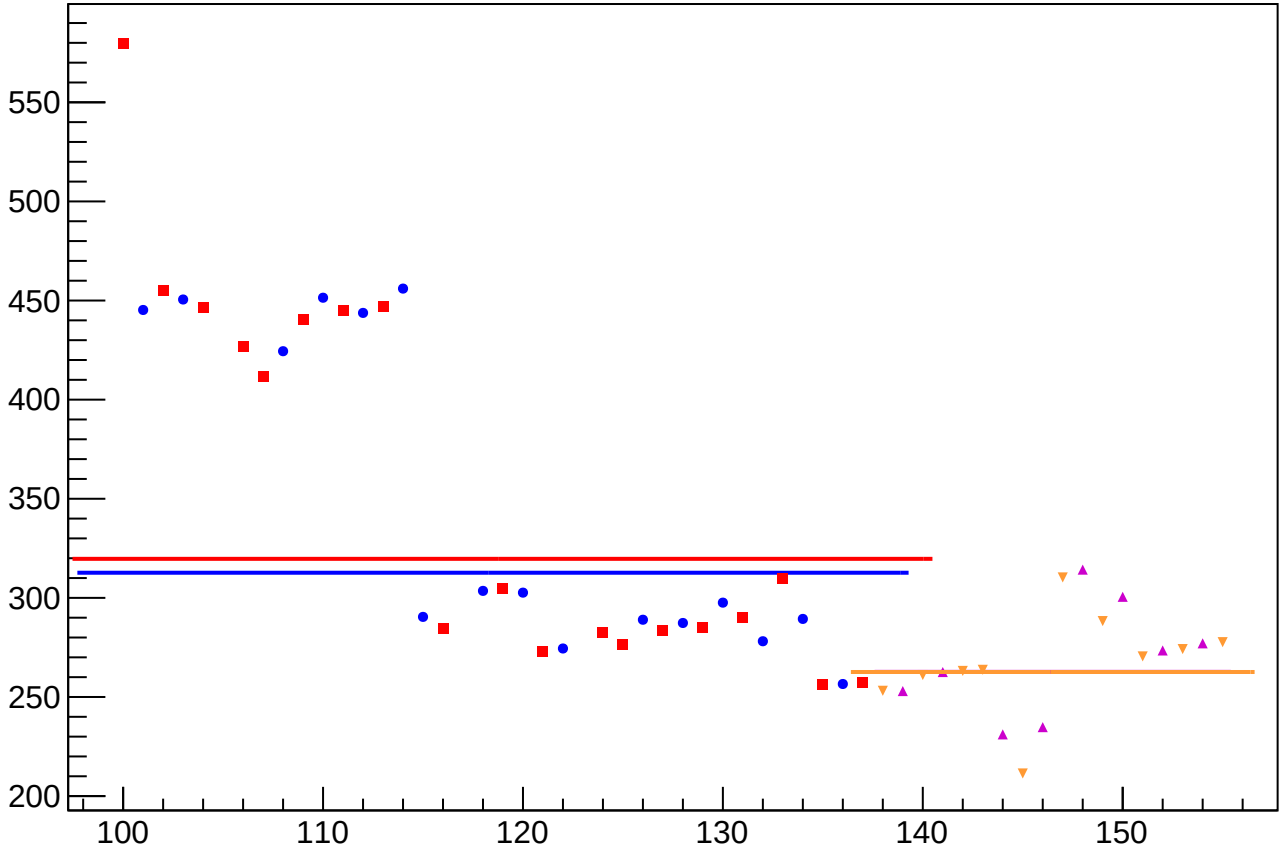
Left In: 186.039+/-99.871 χ^2/NDF:7.6/7

+ sign 82.816+/-73.858 χ^2/NDF: 37.1/25

All: 59.543+/-53.240 χ^2/NDF: 65.4/52

- sign 34.368+/-76.815 χ^2/NDF: 28.2/26

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 262.607+/-0.067 χ^2/NDF:158754.2/9

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

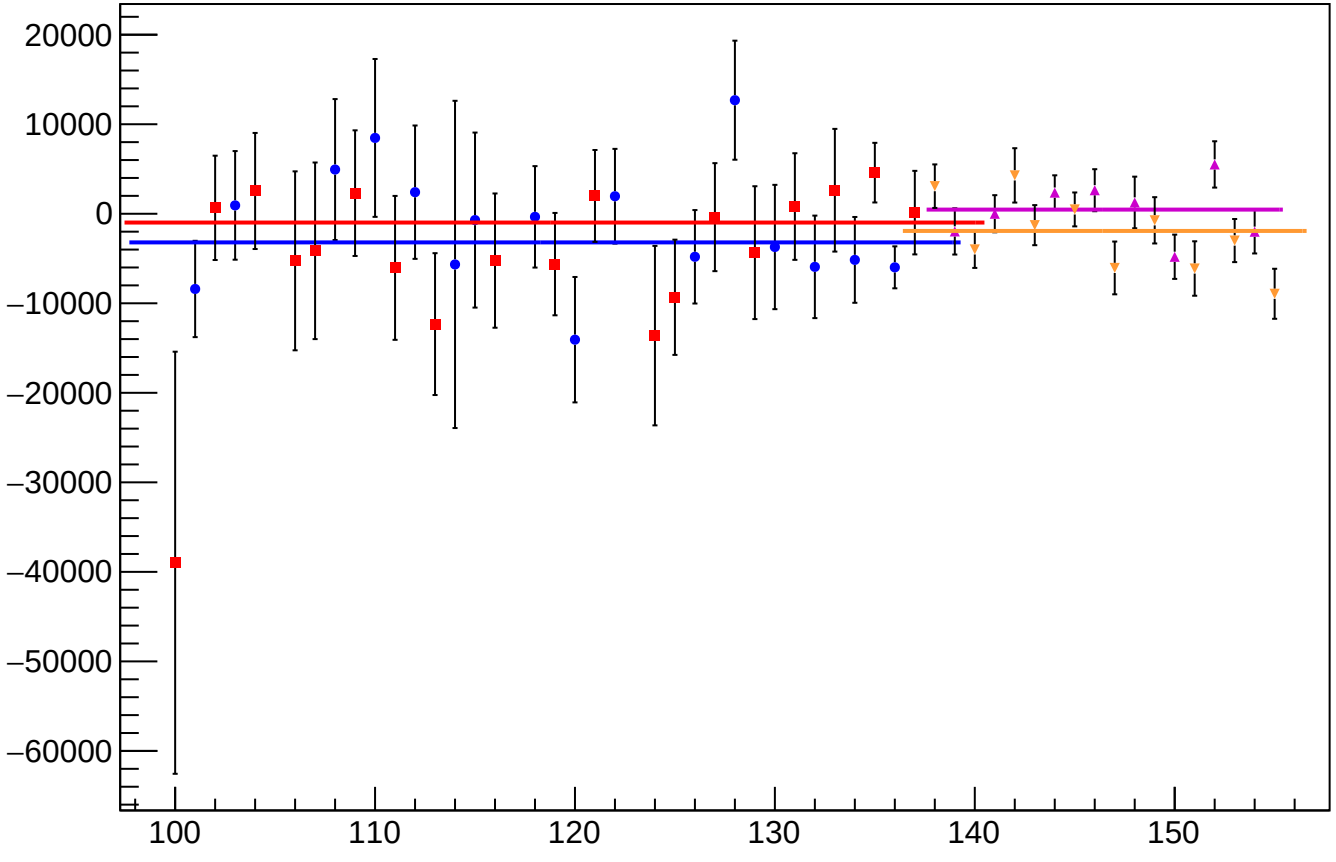
Left In: 262.670+/-0.071 χ^2/NDF:141673.5/7

+ sign 281.938+/-0.052 χ^2/NDF: 978864.3/25

All: 283.869+/-0.038 χ^2/NDF: 2083381.8/52

- sign 285.959+/-0.054 χ^2/NDF: 1101670.6/26

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1919.352+/-775.246 χ^2/NDF:21.7/9

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

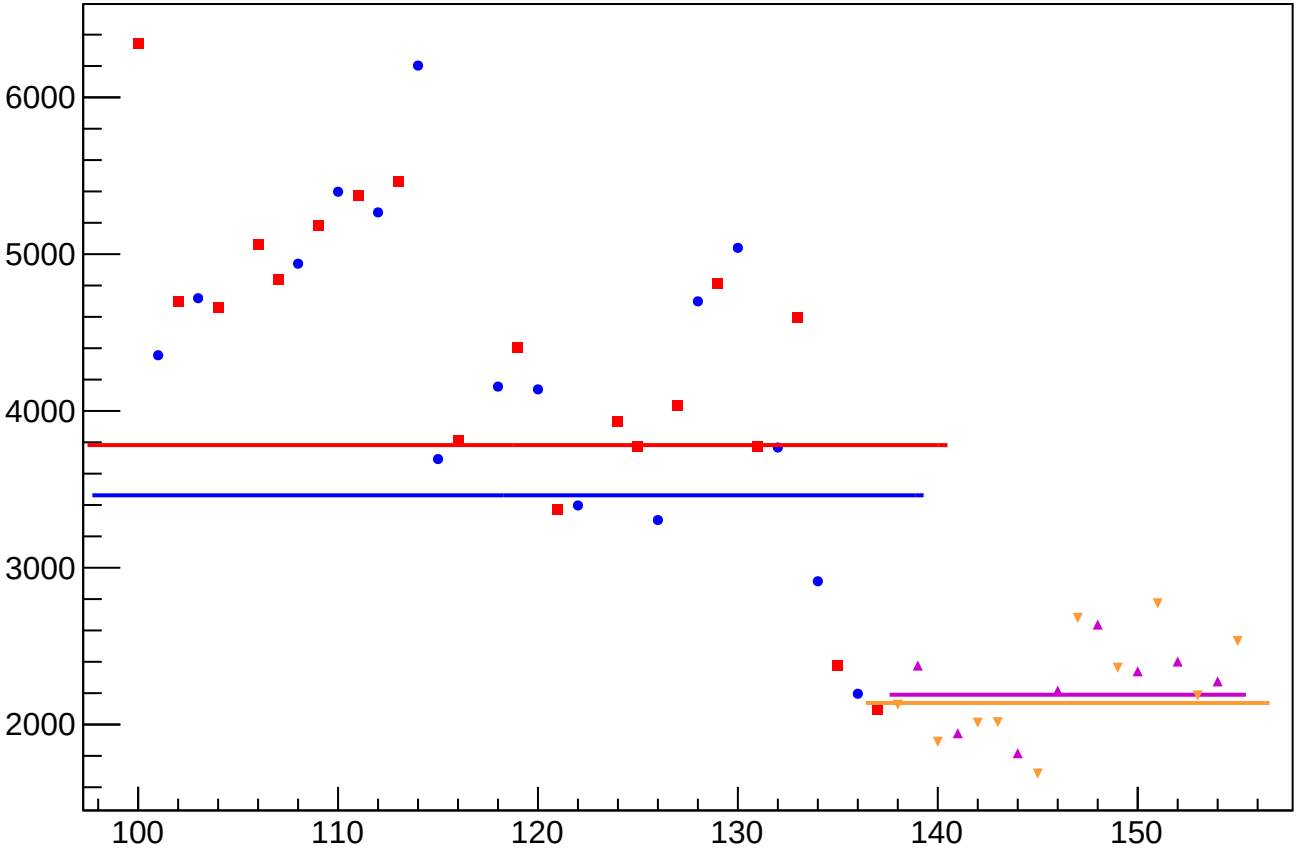
Left In: 464.759+/-834.901 χ^2/NDF:12.2/7

\+ sign -2235.266+/-672.752 χ^2/NDF: 38.5/25

All: -1150.100+/-492.496 χ^2/NDF: 71.0/52

\- sign 103.025+/-722.942 χ^2/NDF: 26.9/26

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2137.432+/-0.548 χ^2/NDF:362199.2/9

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

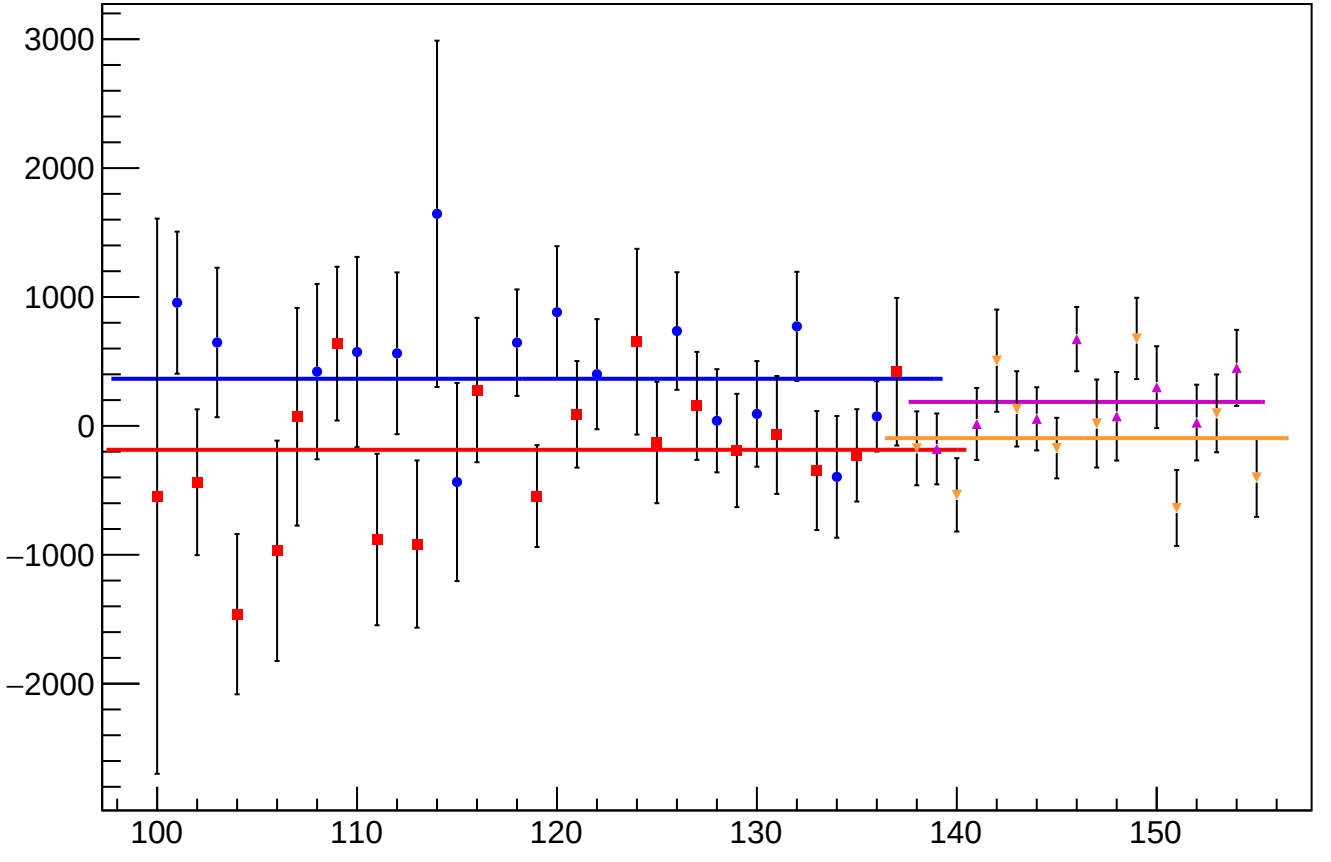
Left In: 2190.067+/-0.590 χ^2/NDF:184666.2/7

+ sign 2464.502+/-0.476 χ^2/NDF: 3113394.7/25

All: 2522.018+/-0.348 χ^2/NDF: 6285678.6/52

- sign 2588.436+/-0.511 χ^2/NDF: 3140785.0/26

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -94.938+/-94.259 χ^2/NDF:16.4/9

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

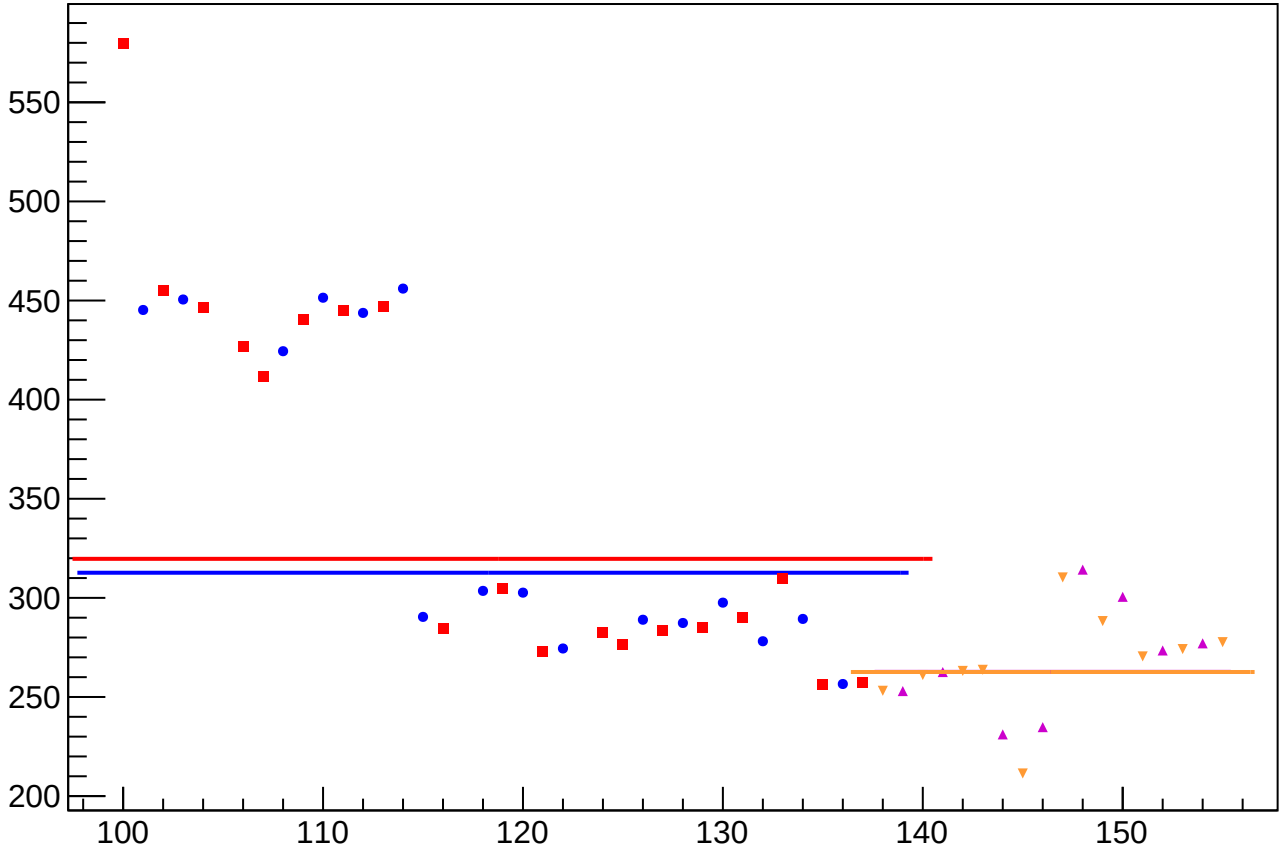
Left In: 186.039+/-99.871 χ^2/NDF:7.6/7

+ sign 82.816+/-73.858 χ^2/NDF: 37.1/25

All: 59.543+/-53.240 χ^2/NDF: 65.4/52

- sign 34.368+/-76.815 χ^2/NDF: 28.2/26

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 262.607+/-0.067 χ^2/NDF:158754.2/9

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

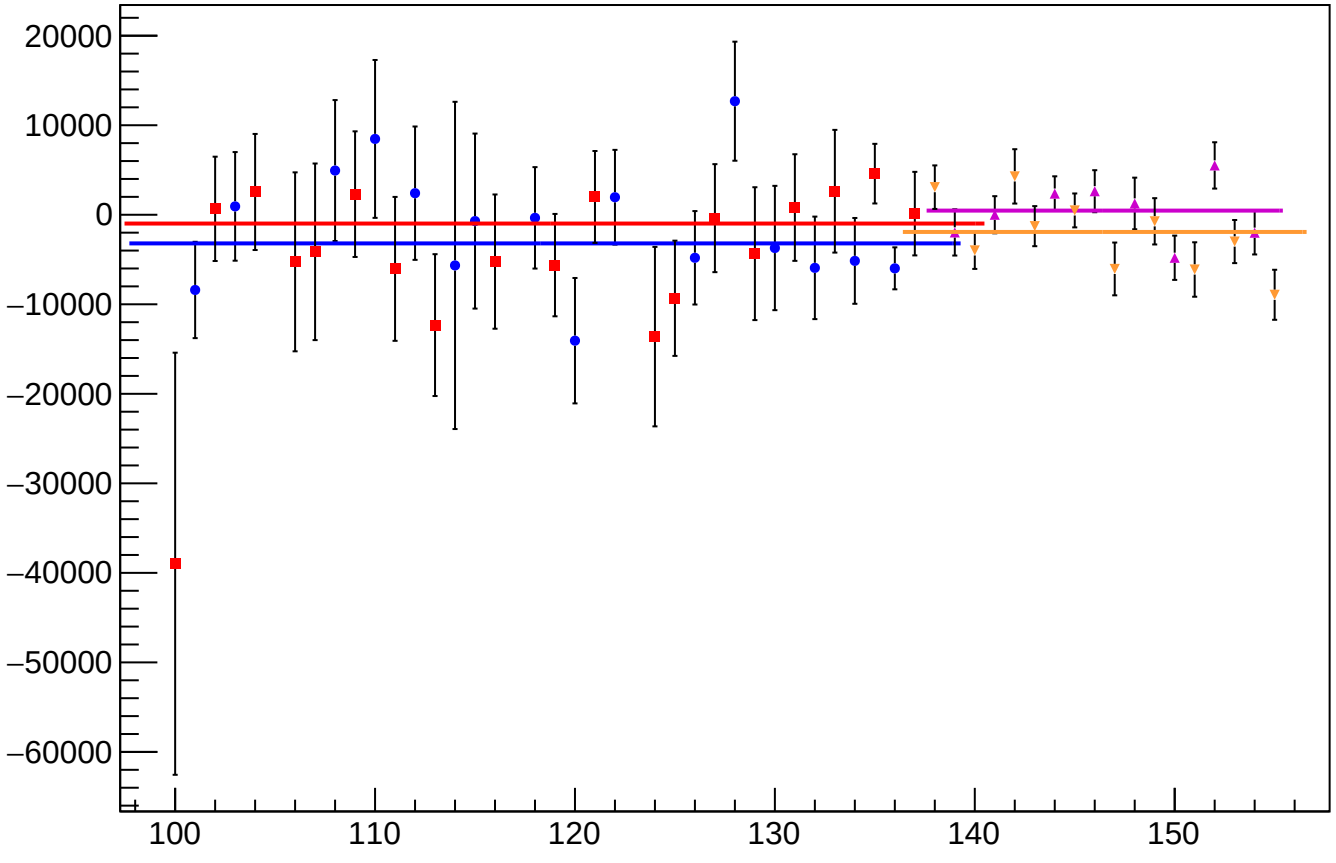
Left In: 262.670+/-0.071 χ^2/NDF:141673.5/7

+ sign 281.938+/-0.052 χ^2/NDF: 978864.3/25

All: 283.869+/-0.038 χ^2/NDF: 2083381.8/52

- sign 285.959+/-0.054 χ^2/NDF: 1101670.6/26

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1919.352+/-775.246 χ^2/NDF:21.7/9

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

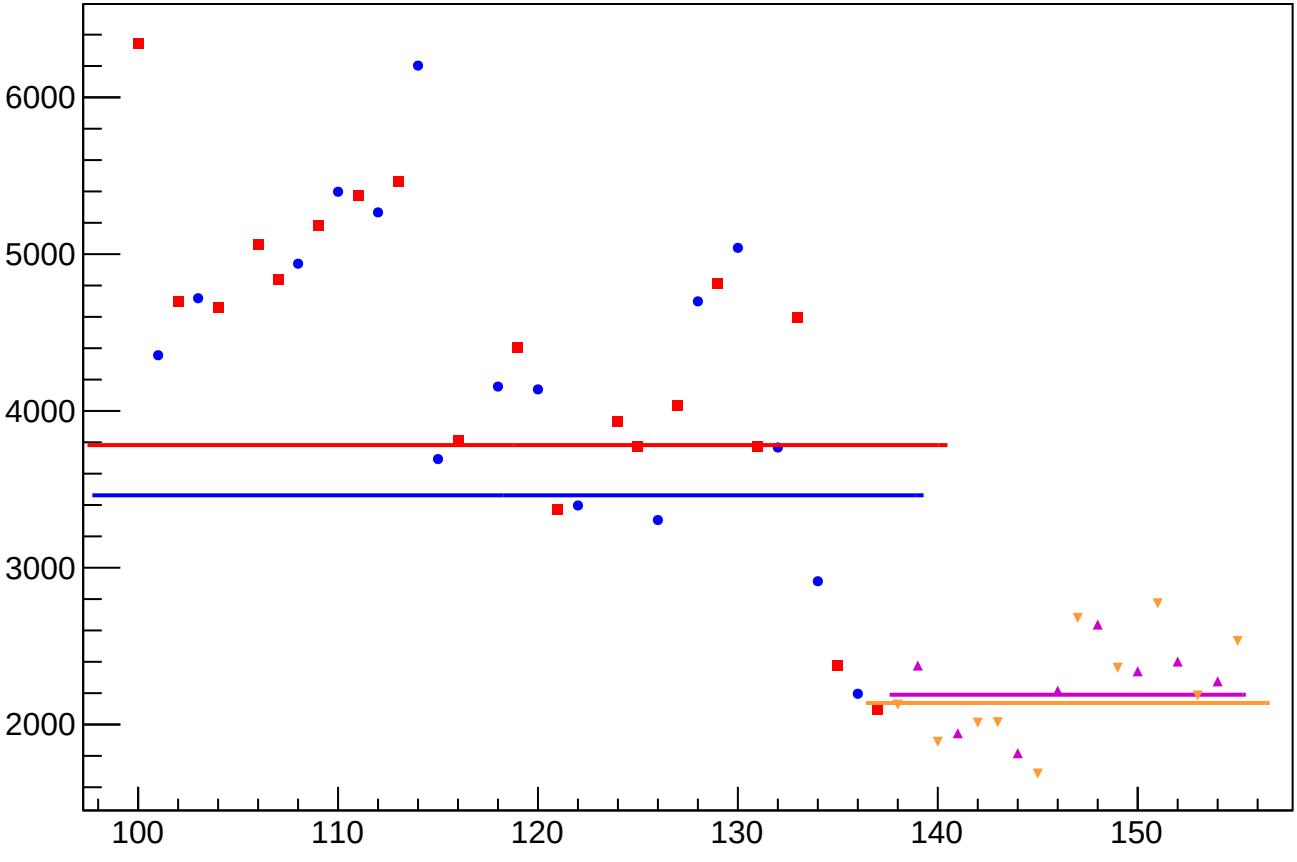
Left In: 464.759+/-834.901 χ^2/NDF:12.2/7

+ sign -2235.266+/-672.752 χ^2/NDF: 38.5/25

All: -1150.100+/-492.496 χ^2/NDF: 71.0/52

- sign 103.025+/-722.942 χ^2/NDF: 26.9/26

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2137.432+/-0.548 χ^2/NDF:362199.2/9

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

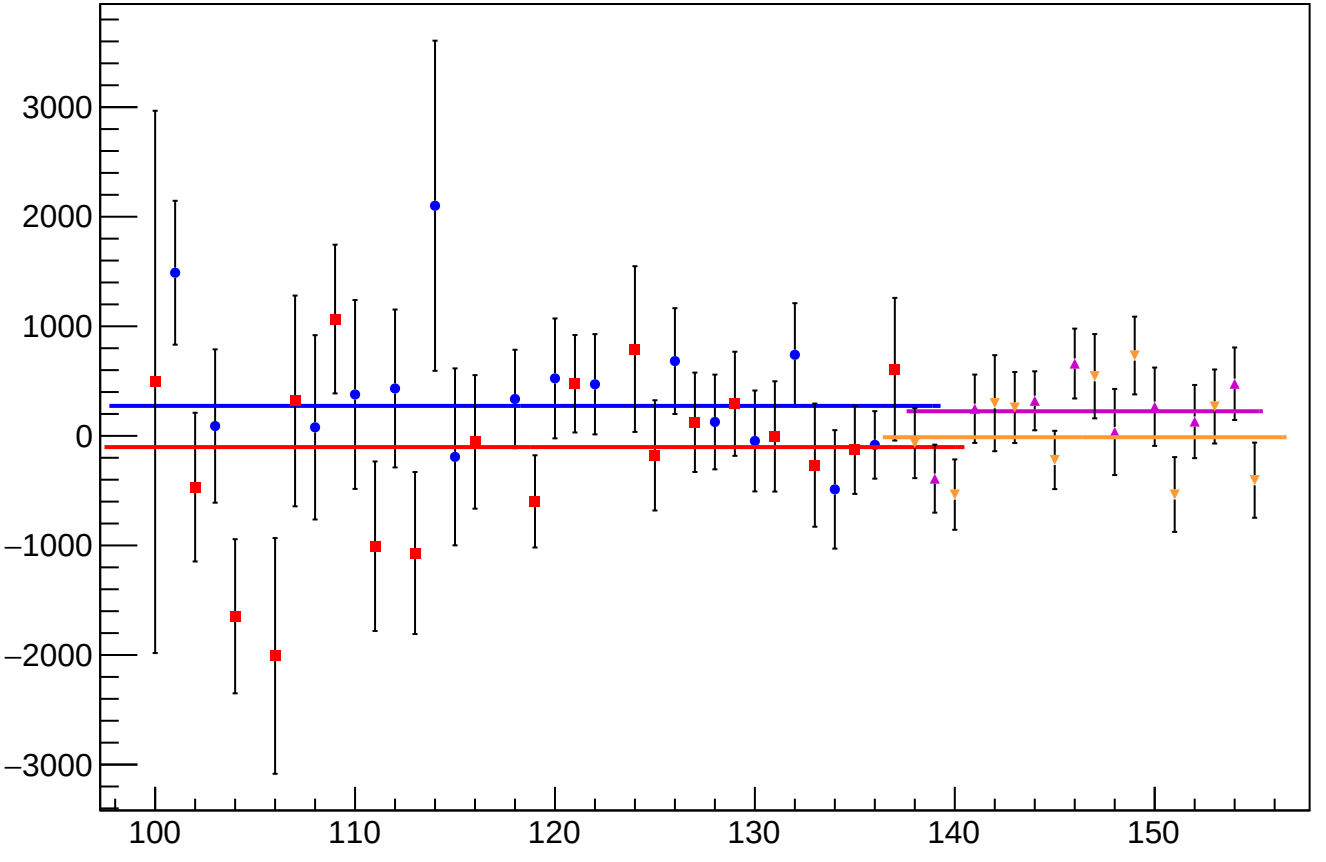
Left In: 2190.067+/-0.590 χ^2/NDF:184666.2/7

+ sign 2464.502+/-0.476 χ^2/NDF: 3113394.7/25

All: 2522.018+/-0.348 χ^2/NDF: 6285678.6/52

- sign 2588.436+/-0.511 χ^2/NDF: 3140785.0/26

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -12.388+/-106.100 χ^2/NDF:15.4/9

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

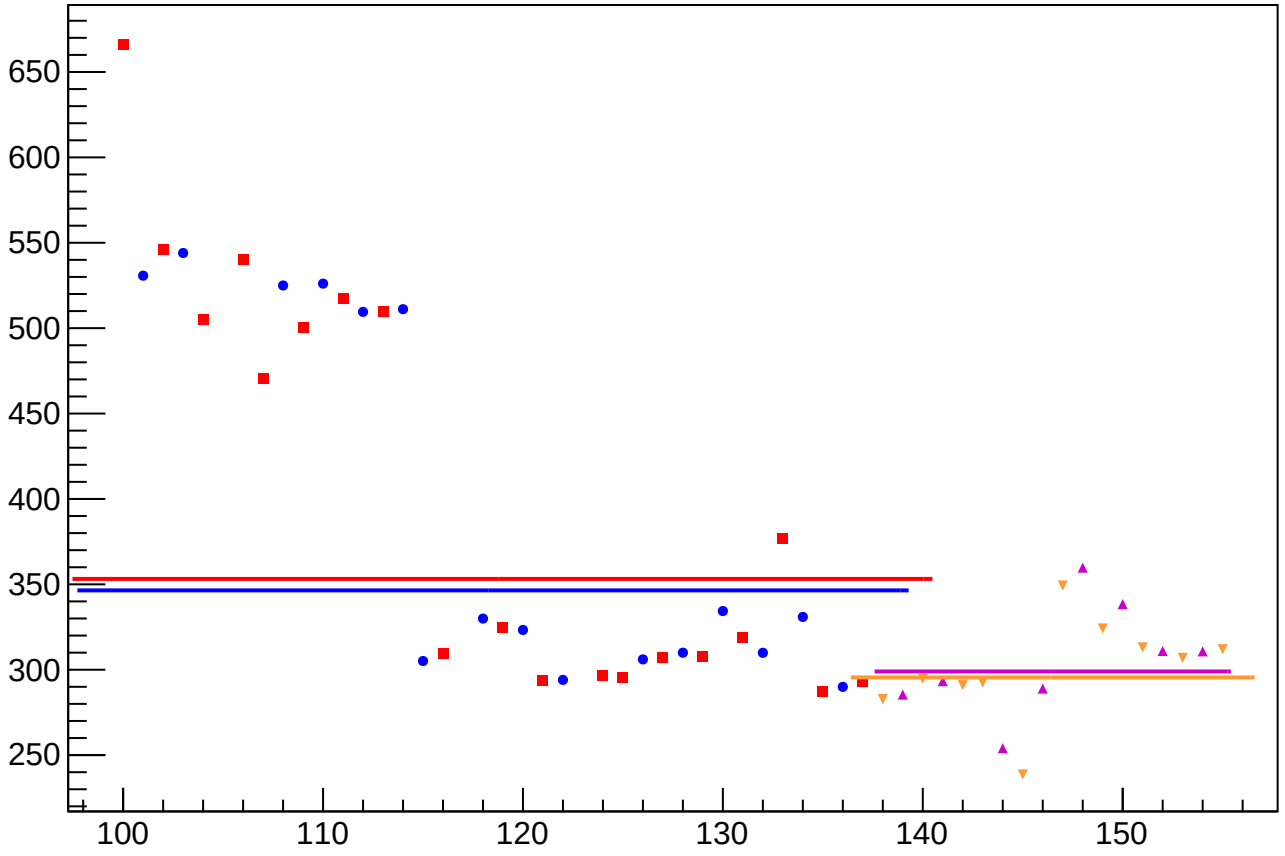
Left In: 224.613+/-114.206 χ^2/NDF:6.8/7

+ sign 99.298+/-82.829 χ^2/NDF: 29.6/25

All: 93.230+/-59.928 χ^2/NDF: 61.2/52

- sign 86.564+/-86.812 χ^2/NDF: 31.6/26

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 295.487+/-0.075 χ^2/NDF:159163.1/9

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

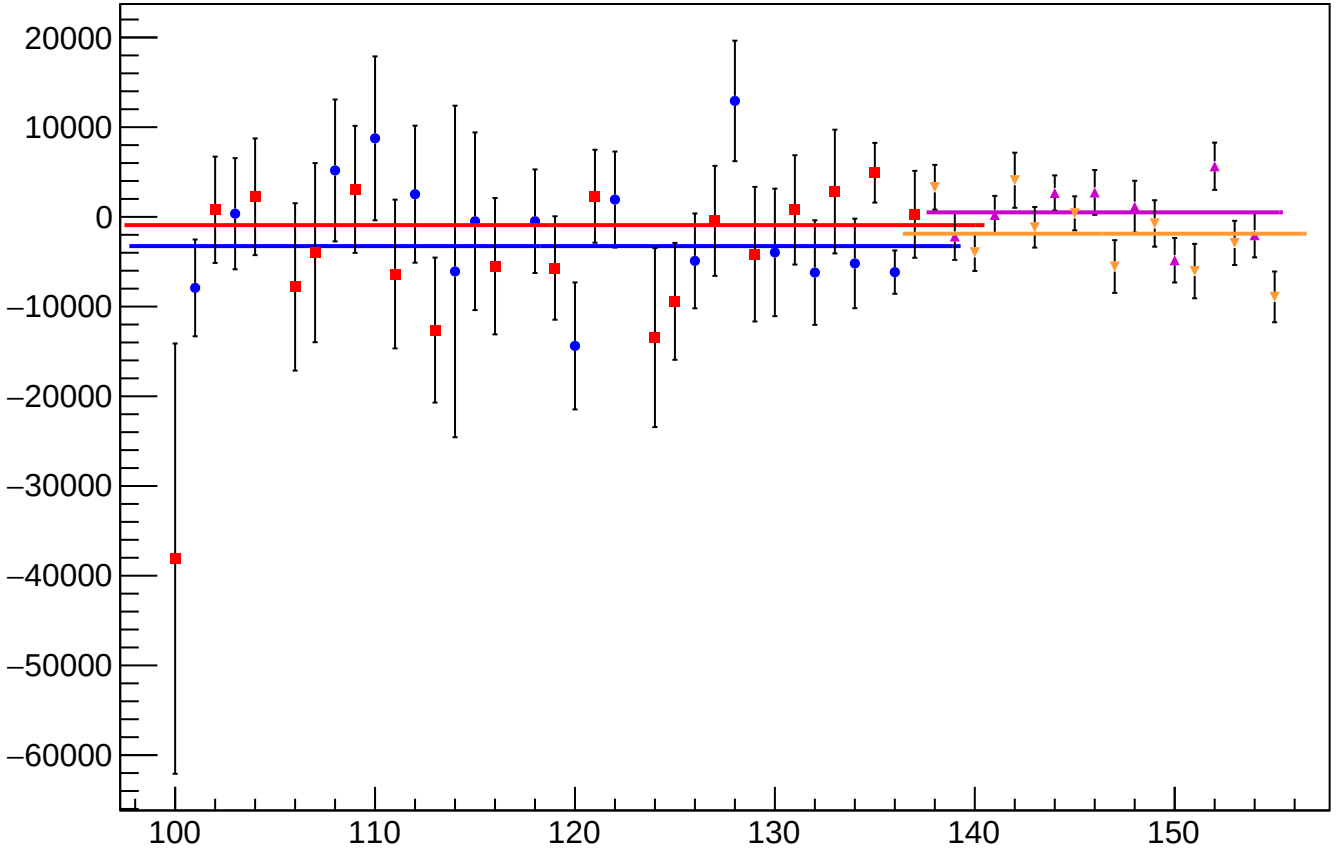
Left In: 298.969+/-0.081 χ^2/NDF:139406.4/7

+ sign 315.393+/-0.059 χ^2/NDF: 1108180.5/25

All: 318.472+/-0.042 χ^2/NDF: 2309990.1/52

- sign 321.856+/-0.061 χ^2/NDF: 1196007.0/26

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1875.918+/-782.382 χ^2/NDF:20.6/9

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

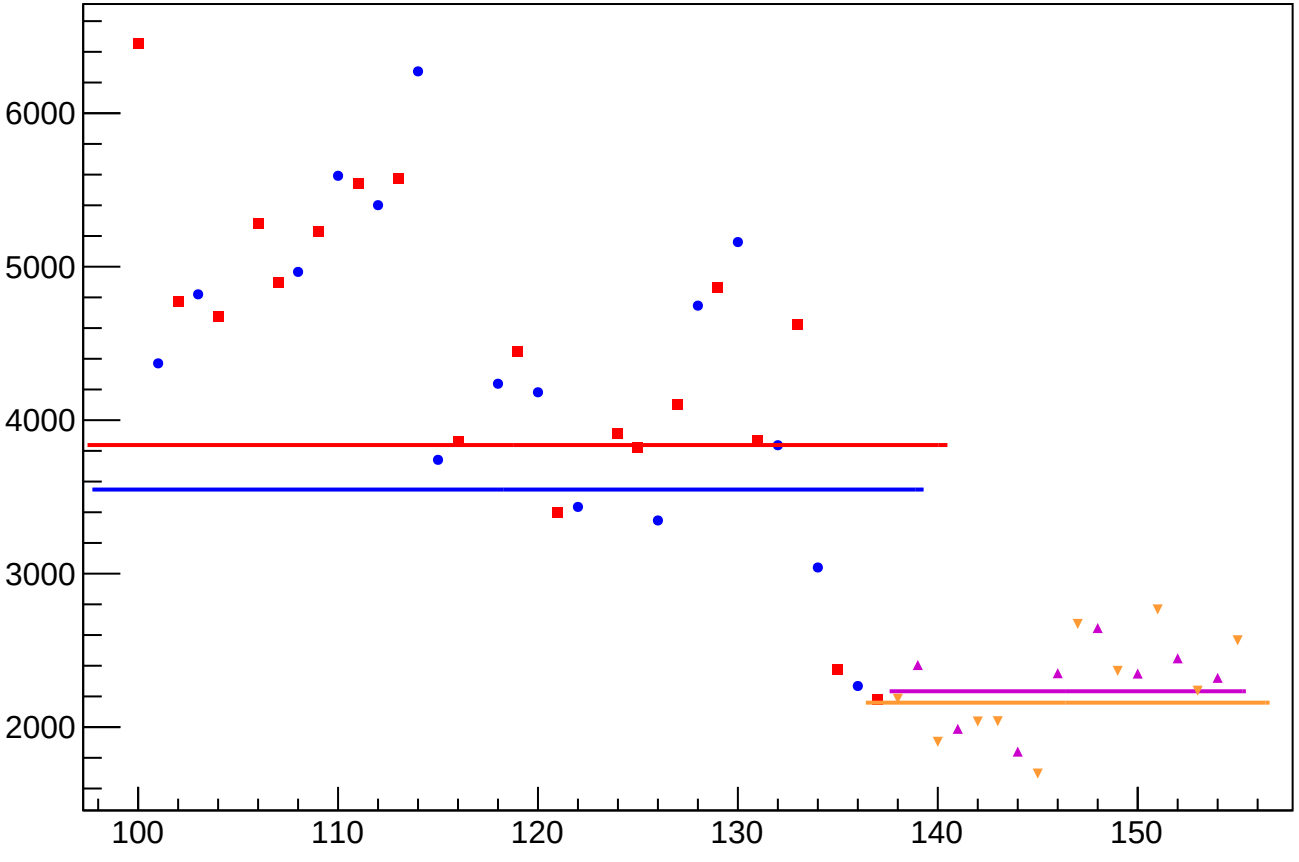
Left In: 503.261+/-851.523 χ^2/NDF:12.6/7

+ sign -2210.778+/-681.103 χ^2/NDF: 37.4/25

All: -1124.856+/-499.786 χ^2/NDF: 70.8/52

- sign 141.971+/-735.652 χ^2/NDF: 28.0/26

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2159.450+/-0.553 χ^2/NDF:354685.8/9

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

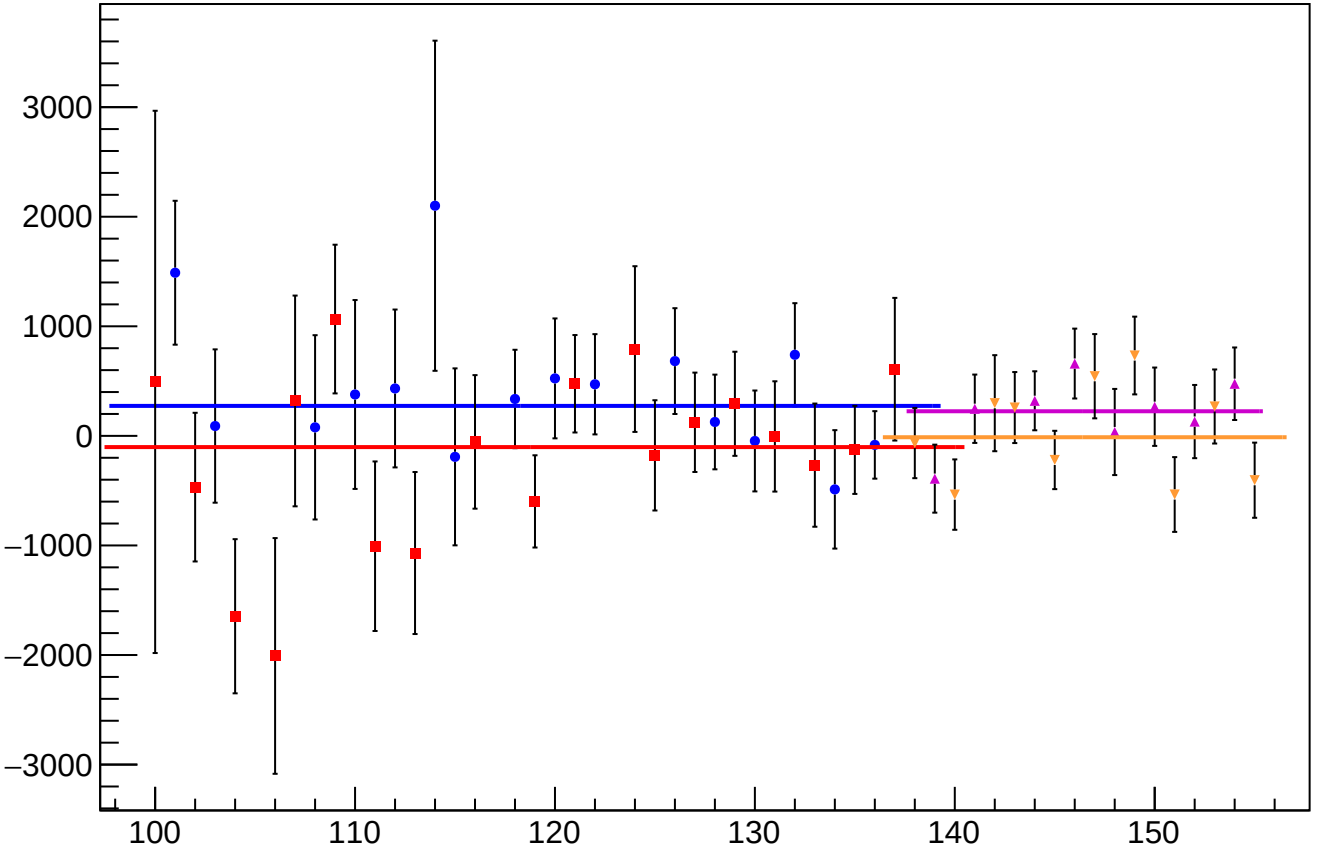
Left In: 2233.615+/-0.602 χ^2/NDF:181187.8/7

+ sign 2495.666+/-0.482 χ^2/NDF: 3138501.2/25

All: 2562.530+/-0.353 χ^2/NDF: 6317995.6/52

- sign 2640.533+/-0.520 χ^2/NDF: 3137733.8/26

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -12.393+/-106.100 χ^2/NDF:15.4/9

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

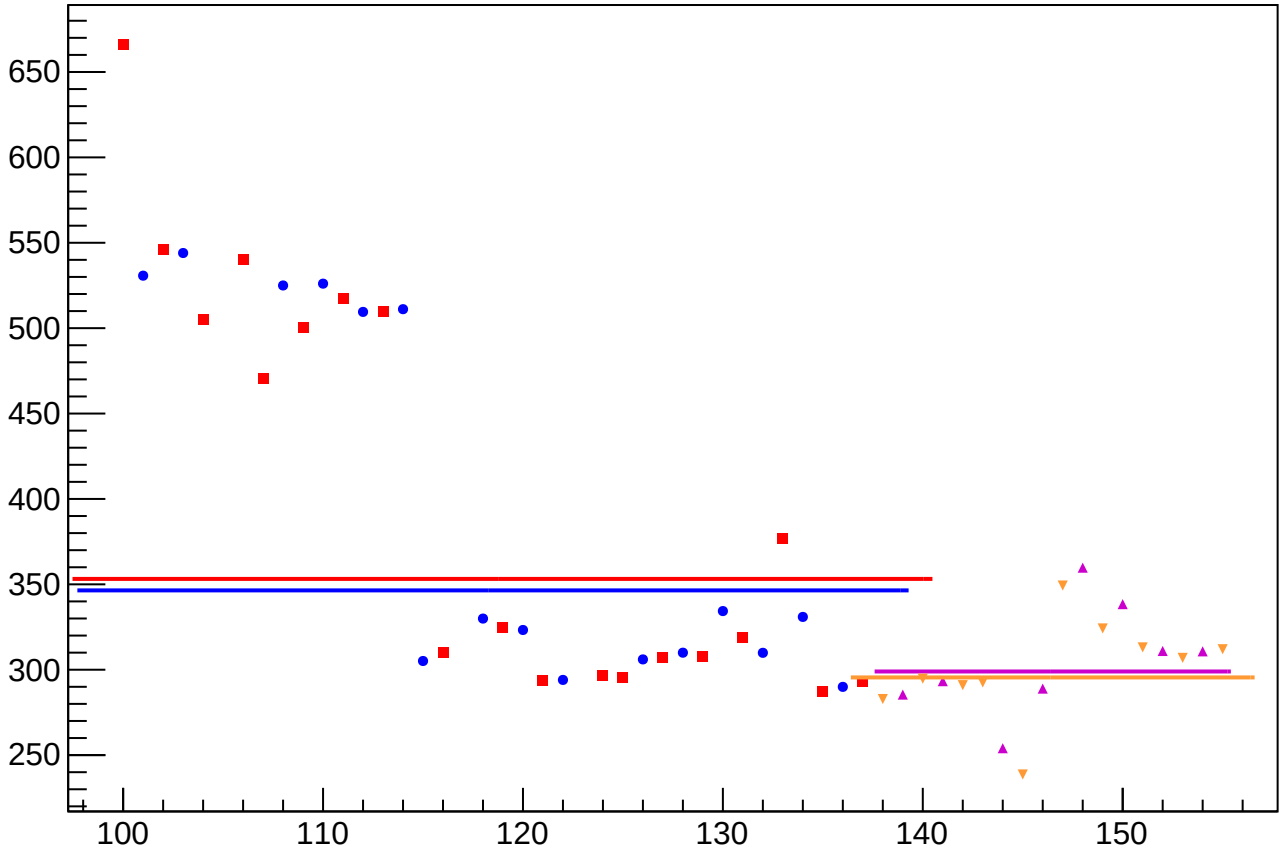
Left In: 224.615+/-114.206 χ^2/NDF:6.8/7

+ sign 99.297+/-82.828 χ^2/NDF: 29.6/25

All: 93.230+/-59.927 χ^2/NDF: 61.2/52

- sign 86.564+/-86.812 χ^2/NDF: 31.6/26

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 295.487+/-0.075 χ^2/NDF:159166.2/9

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

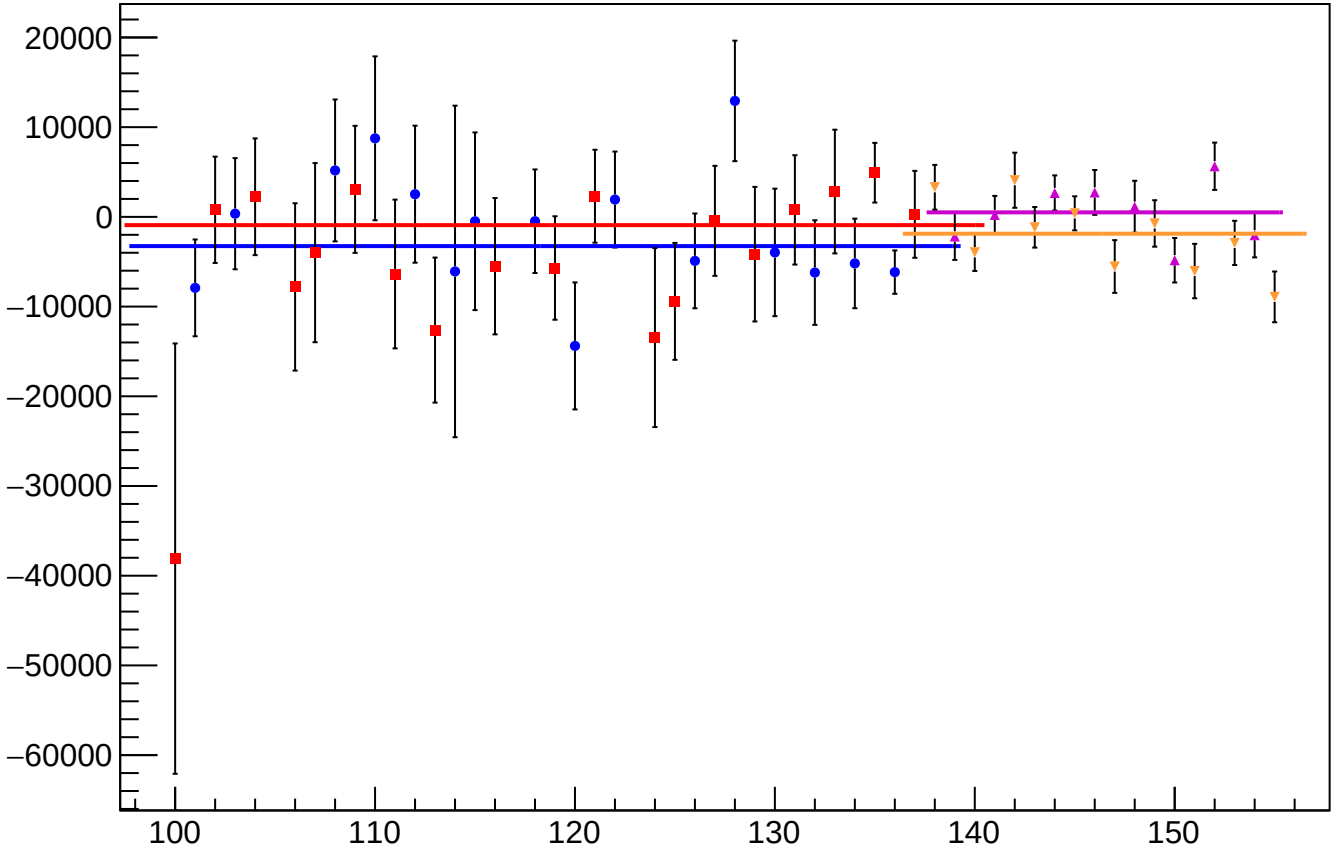
Left In: 298.969+/-0.081 χ^2/NDF:139408.1/7

+ sign 315.392+/-0.059 χ^2/NDF: 1108161.0/25

All: 318.472+/-0.042 χ^2/NDF: 2309953.5/52

- sign 321.855+/-0.061 χ^2/NDF: 1195989.5/26

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1875.916+/-782.381 χ^2/NDF:20.6/9

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

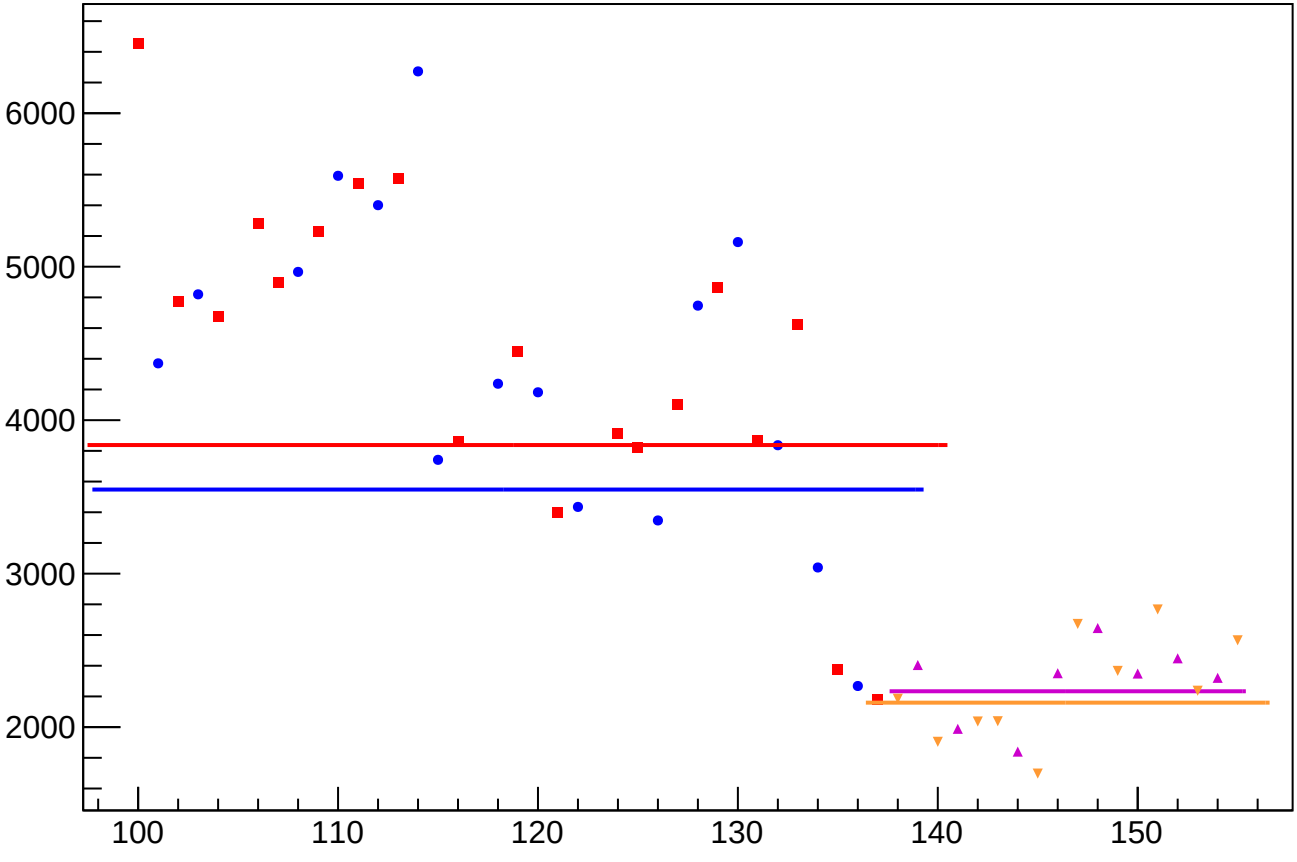
Left In: 503.260+/-851.523 χ^2/NDF:12.6/7

+ sign -2210.775+/-681.103 χ^2/NDF: 37.4/25

All: -1124.856+/-499.785 χ^2/NDF: 70.8/52

- sign 141.968+/-735.652 χ^2/NDF: 28.0/26

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2159.448+/-0.553 χ^2/NDF:354691.1/9

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

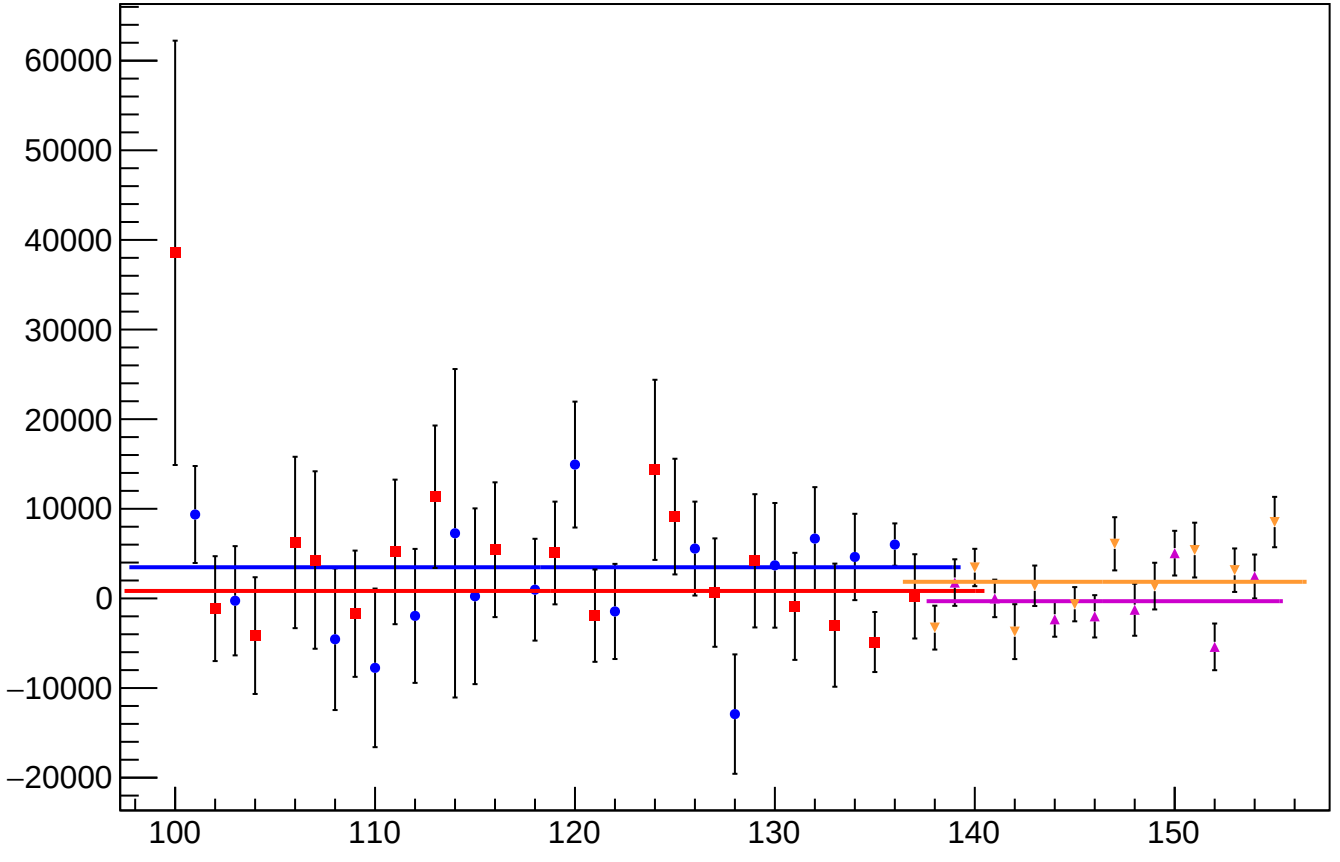
Left In: 2233.614+/-0.602 χ^2/NDF:181187.8/7

+ sign 2495.664+/-0.482 χ^2/NDF: 3138492.6/25

All: 2562.529+/-0.353 χ^2/NDF: 6317972.9/52

- sign 2640.532+/-0.520 χ^2/NDF: 3137719.2/26

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1854.321+/-781.276 χ^2/NDF:19.3/9

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

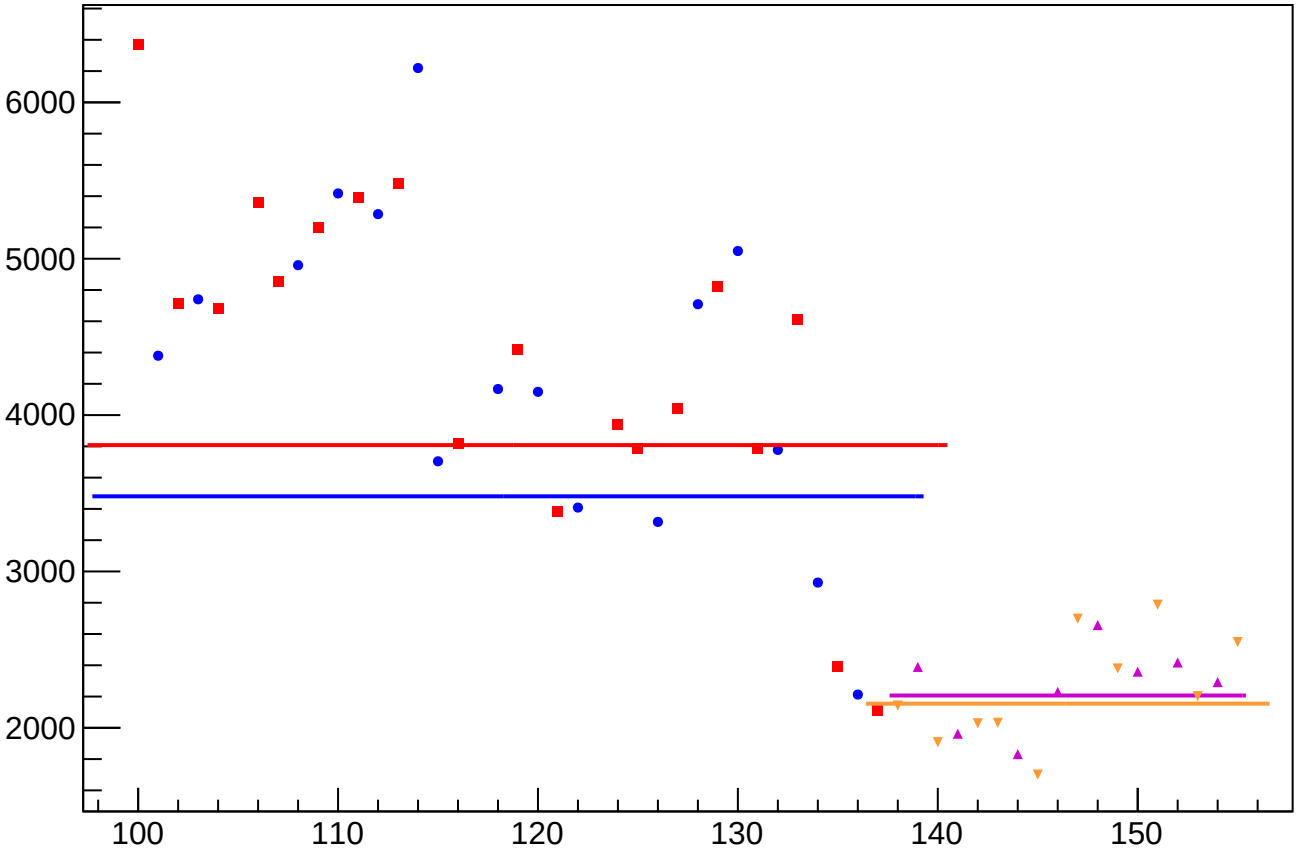
Left In: -308.403+/-841.137 χ^2/NDF:12.1/7

+ sign 2257.135+/-677.493 χ^2/NDF: 36.7/25

All: 1199.095+/-495.808 χ^2/NDF: 68.5/52

- sign -21.019+/-727.535 χ^2/NDF: 26.6/26

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2154.574+/-0.552 χ^2/NDF:357808.0/9

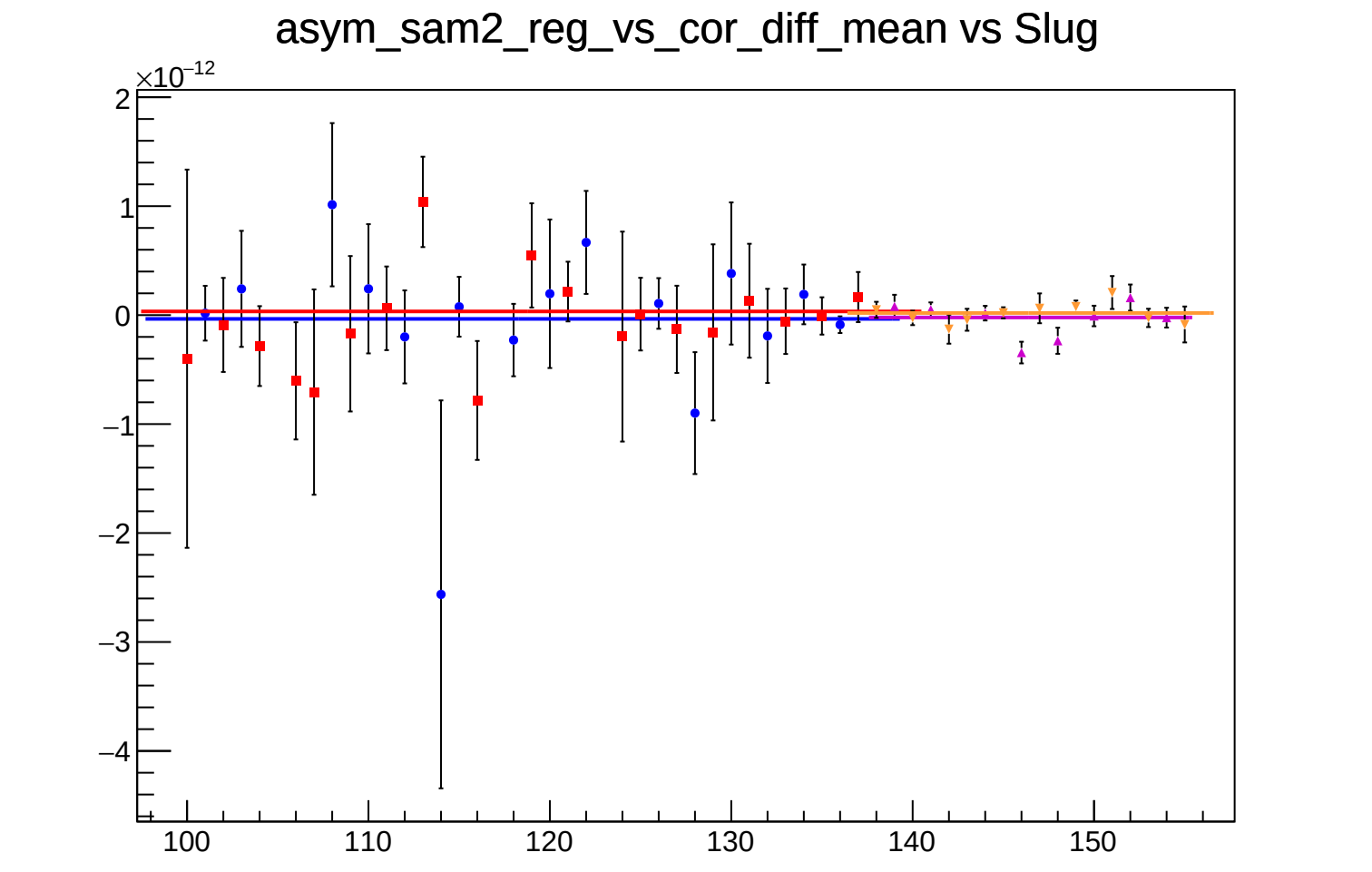
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

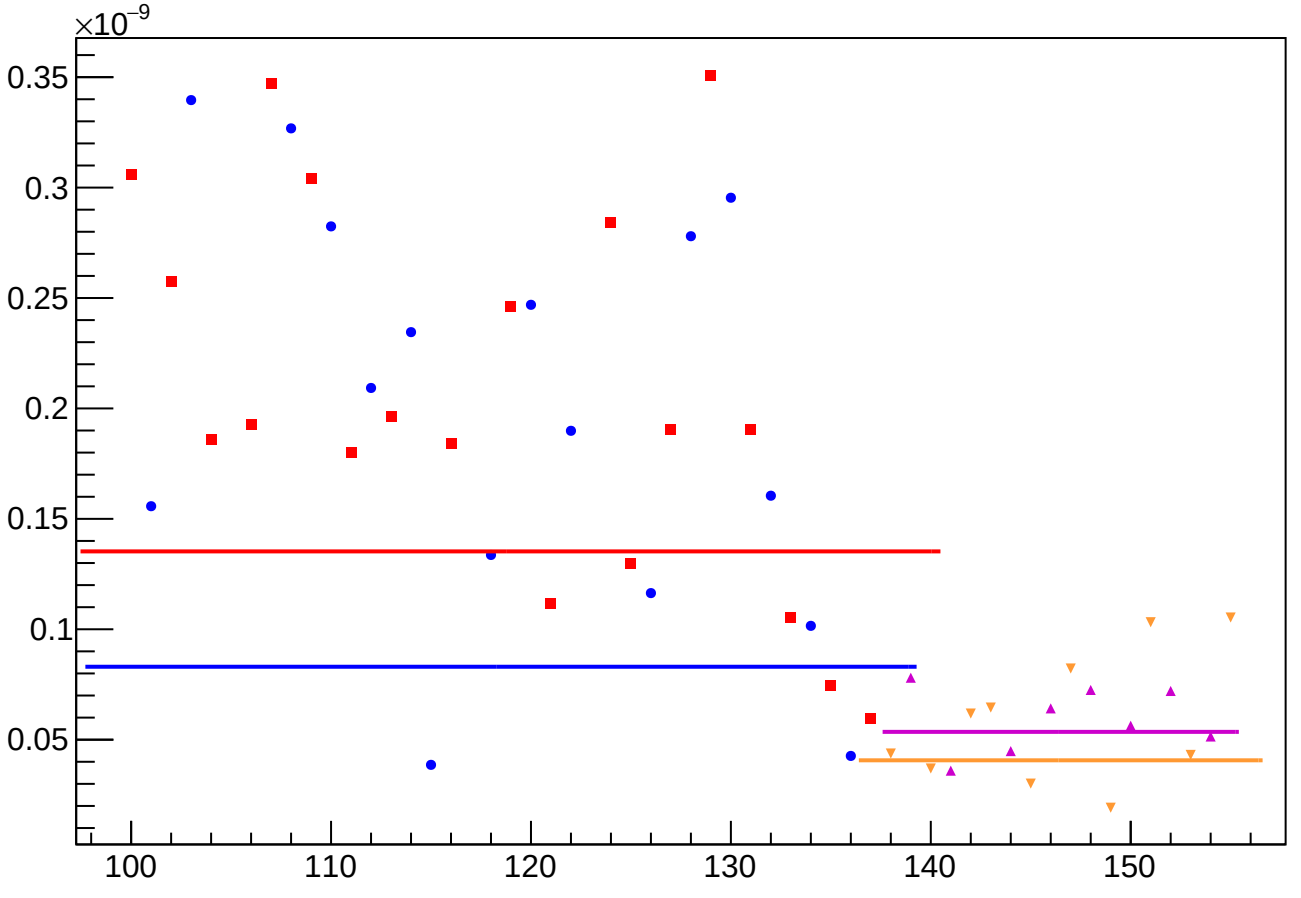
Left In: 2206.704+/-0.595 χ^2/NDF:182558.6/7

+ sign 2483.458+/-0.479 χ^2/NDF: 3083352.3/25

All: 2542.259+/-0.351 χ^2/NDF: 6271930.8/52

- sign 2610.066+/-0.514 χ^2/NDF: 3156140.2/26


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:18.4/7
+ sign 0.000+/-0.000 χ²/NDF: 18.3/25
All: 0.000+/-0.000 χ²/NDF: 51.1/52
- sign -0.000+/-0.000 χ²/NDF: 32.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390912.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

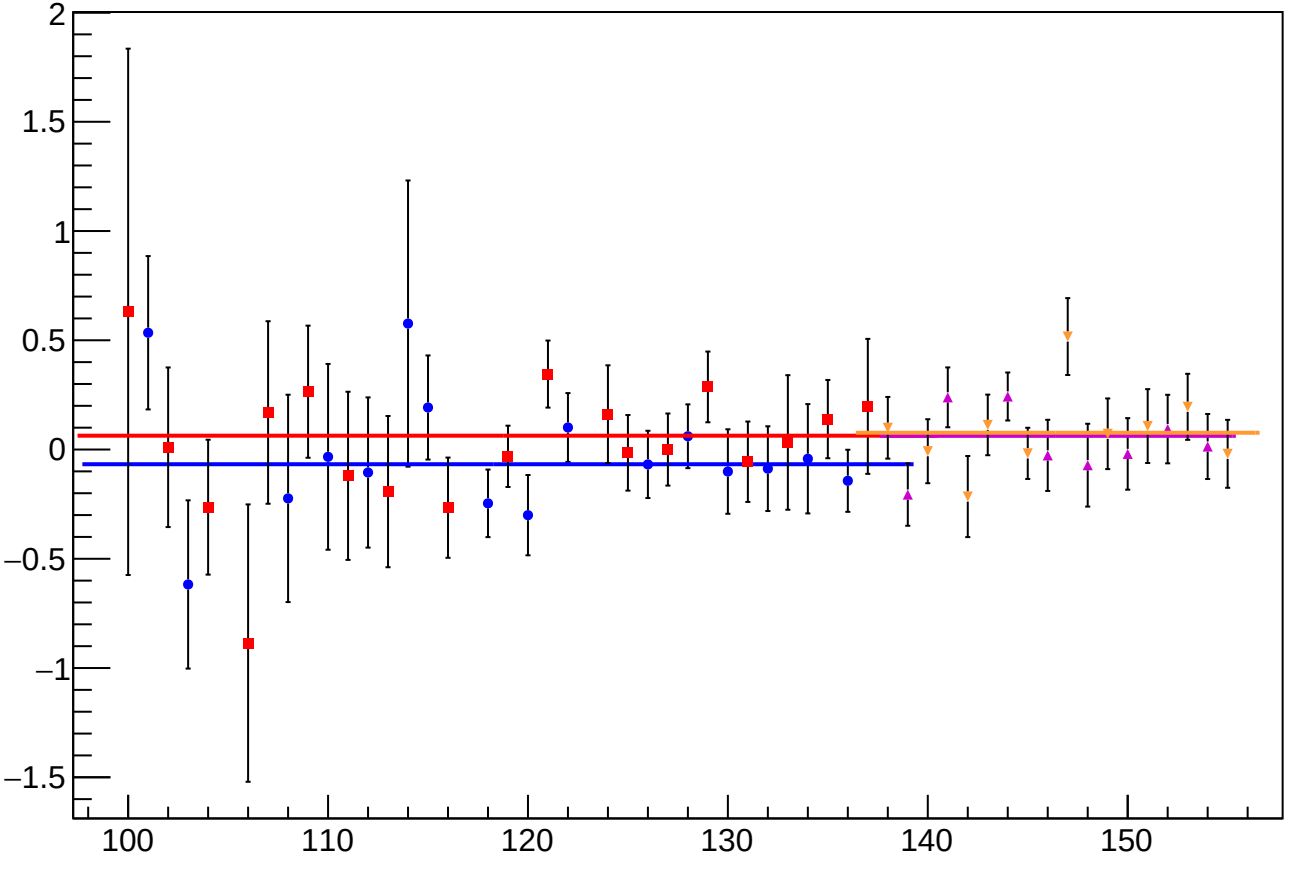
Left In: 0.000+/-0.000 χ^2/NDF:401227.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 4924682.6/25

All: 0.000+/-0.000 χ^2/NDF: 8738770.4/52

- sign 0.000+/-0.000 χ^2/NDF: 3433720.9/26

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.077+/-0.048 χ^2/NDF:10.8/9

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

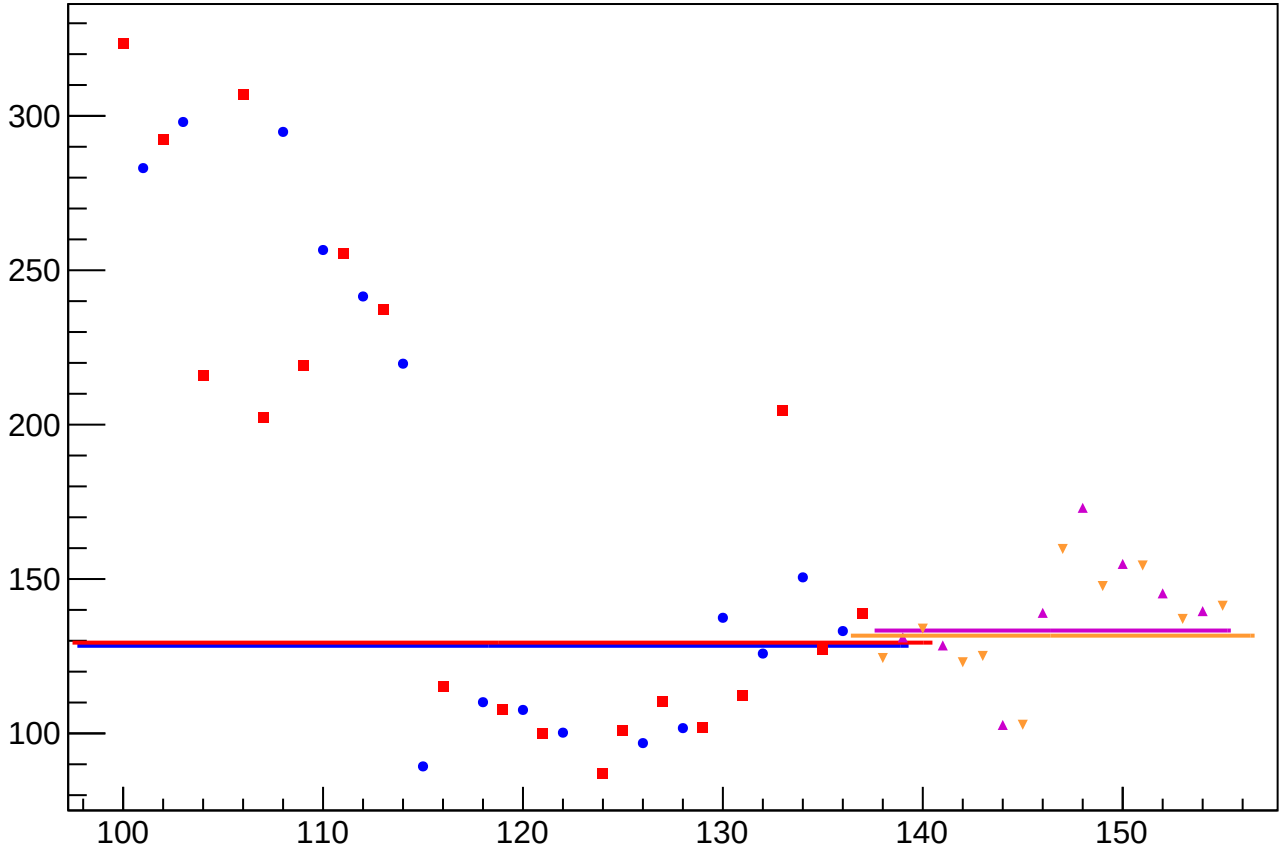
Left In: 0.063+/-0.052 χ^2/NDF:9.1/7

+ sign 0.011+/-0.035 χ^2/NDF: 27.5/25

All: 0.036+/-0.025 χ^2/NDF: 51.7/52

- sign 0.063+/-0.037 χ^2/NDF: 23.1/26

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 131.661+/-0.034 χ^2/NDF:253027.3/9

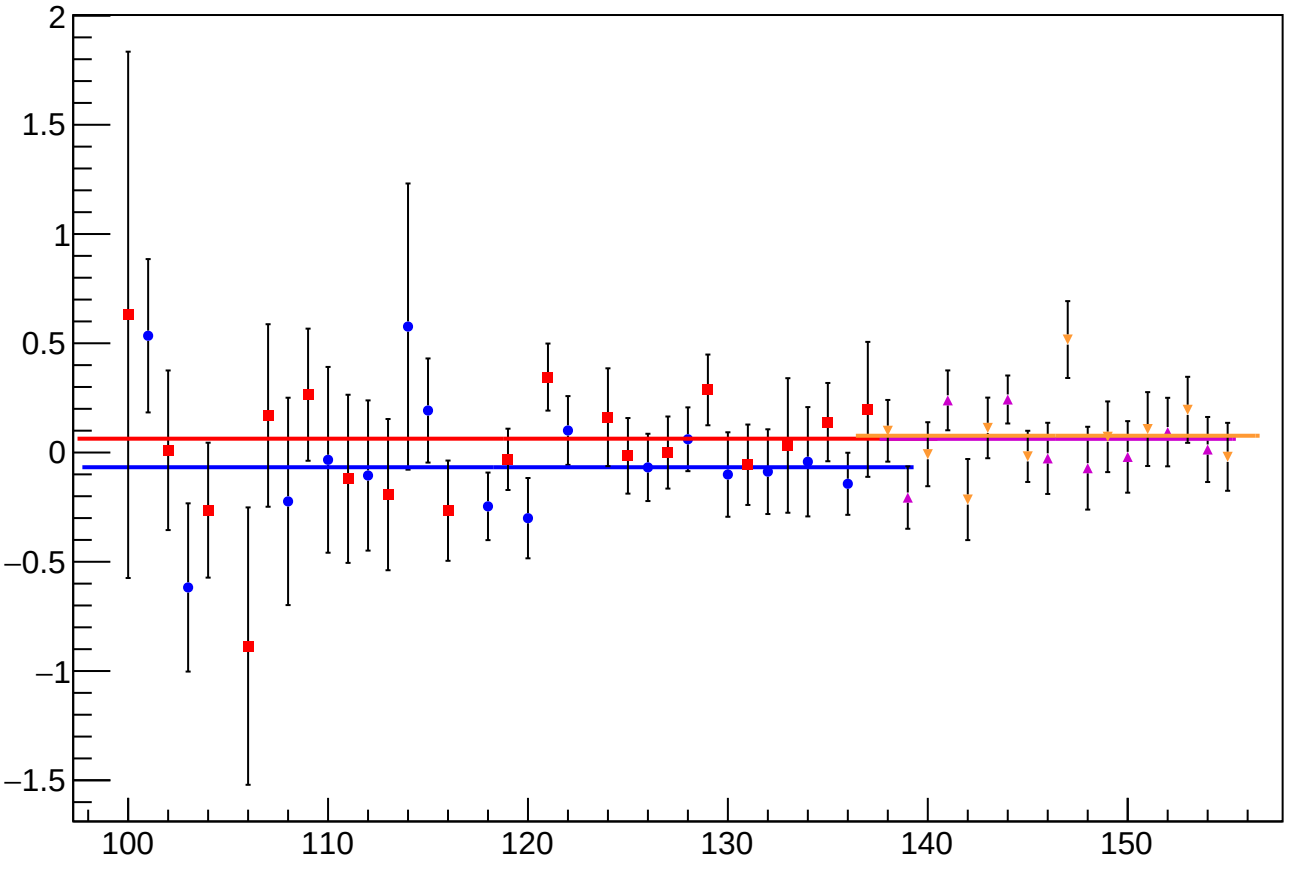
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 133.317+/-0.037 χ^2/NDF:298556.1/7

+ sign 130.158+/-0.025 χ^2/NDF: 2062459.2/25

All: 130.731+/-0.018 χ^2/NDF: 4256155.2/52

- sign 131.354+/-0.026 χ^2/NDF: 2192578.3/26



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.077+/-0.048 χ^2/NDF:10.8/9

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

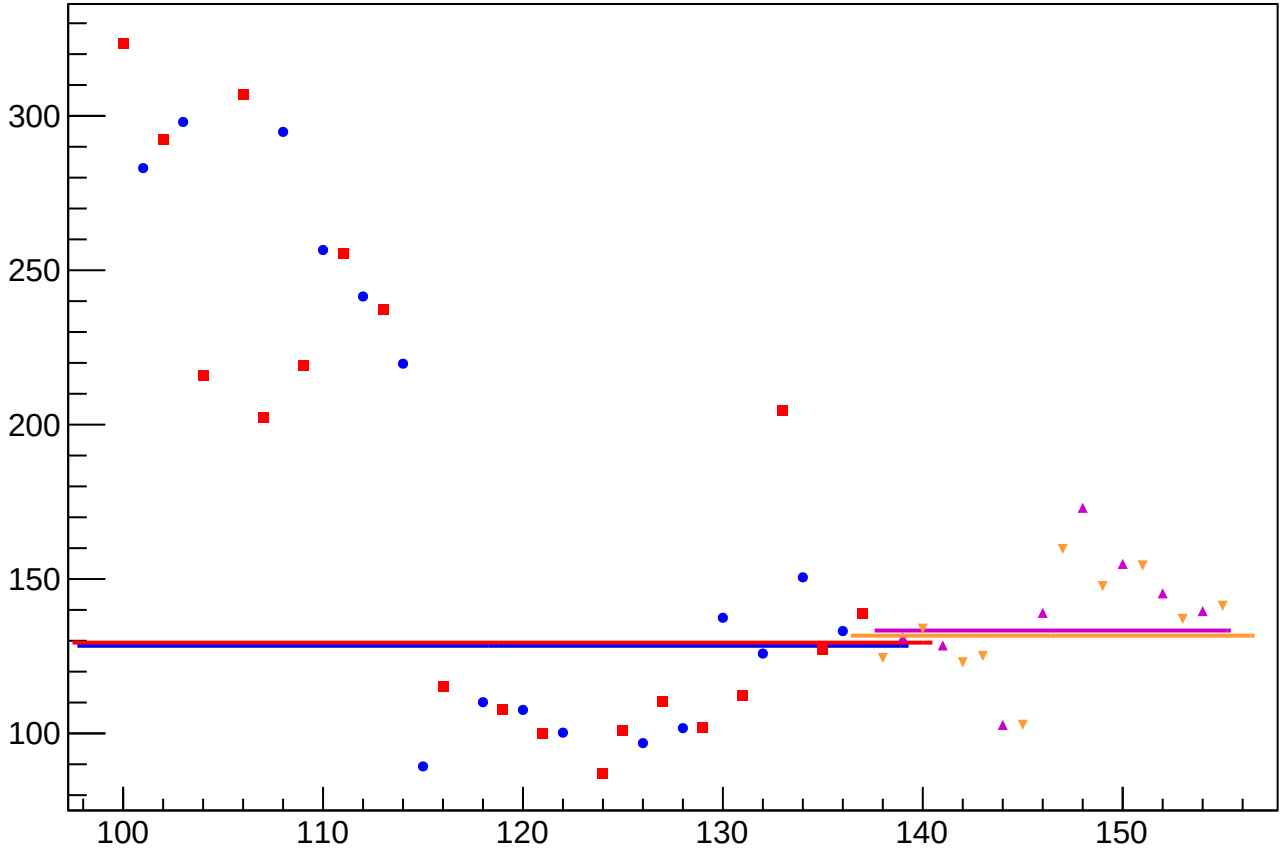
Left In: 0.063+/-0.052 χ^2/NDF:9.1/7

+ sign 0.011+/-0.035 χ^2/NDF: 27.5/25

All: 0.036+/-0.025 χ^2/NDF: 51.7/52

- sign 0.063+/-0.037 χ^2/NDF: 23.1/26

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 131.661+/-0.034 χ^2/NDF:253027.3/9

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

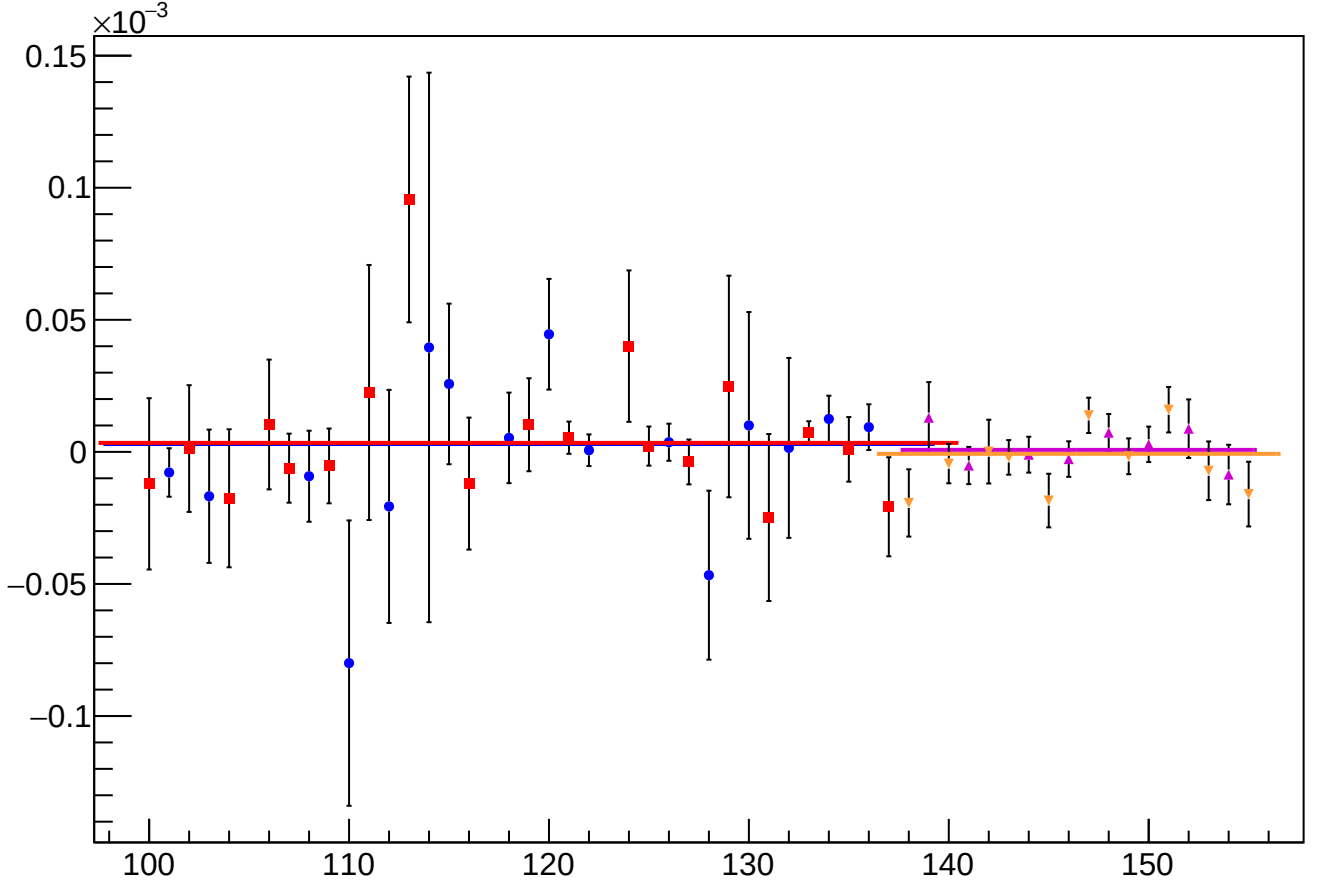
Left In: 133.317+/-0.037 χ^2/NDF:298556.1/7

+ sign 130.158+/-0.025 χ^2/NDF: 2062459.2/25

All: 130.731+/-0.018 χ^2/NDF: 4256155.2/52

- sign 131.354+/-0.026 χ^2/NDF: 2192578.3/26

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:15.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

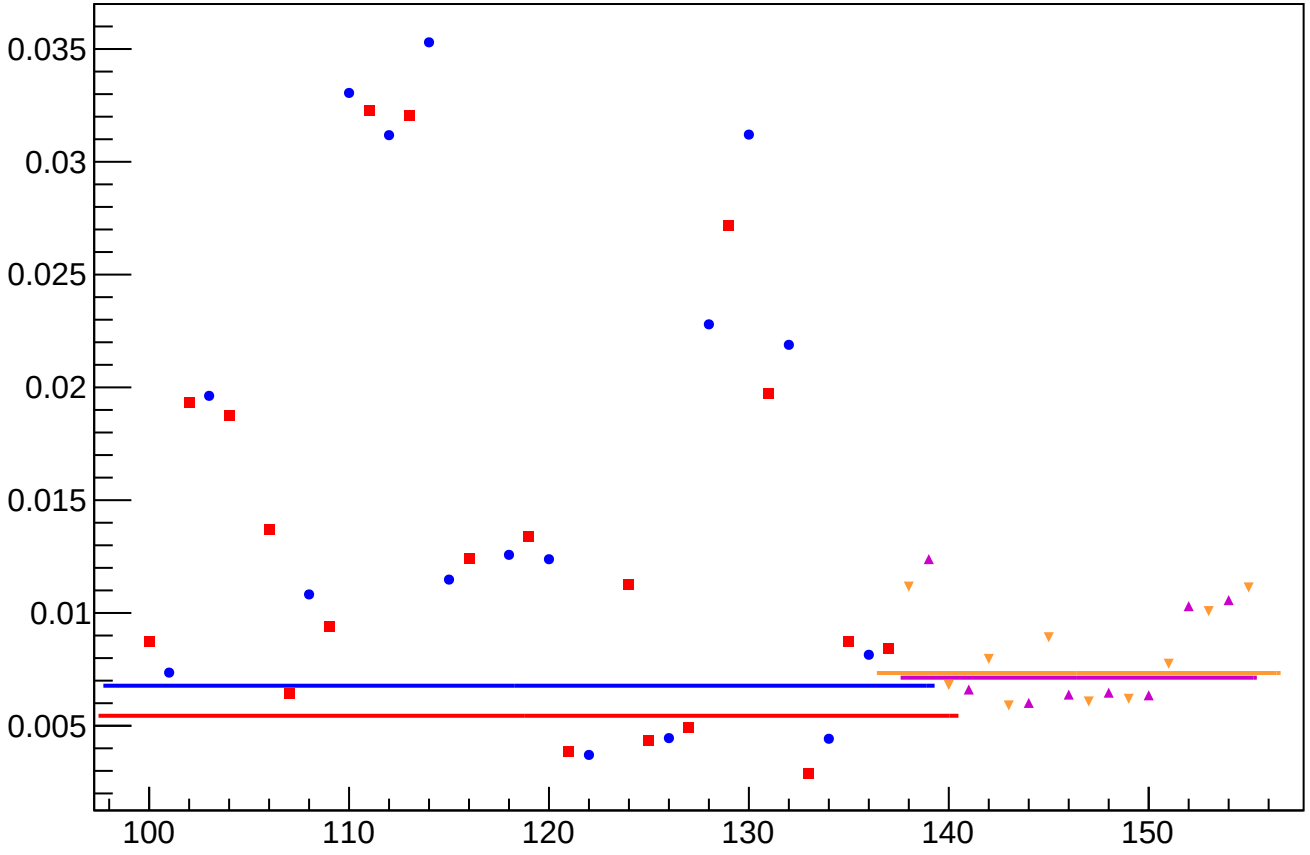
Left In: 0.000+/-0.000 χ^2/NDF:4.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/25

All: 0.000+/-0.000 χ^2/NDF: 48.1/52

- sign 0.000+/-0.000 χ^2/NDF: 17.1/26

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:787656.7/9

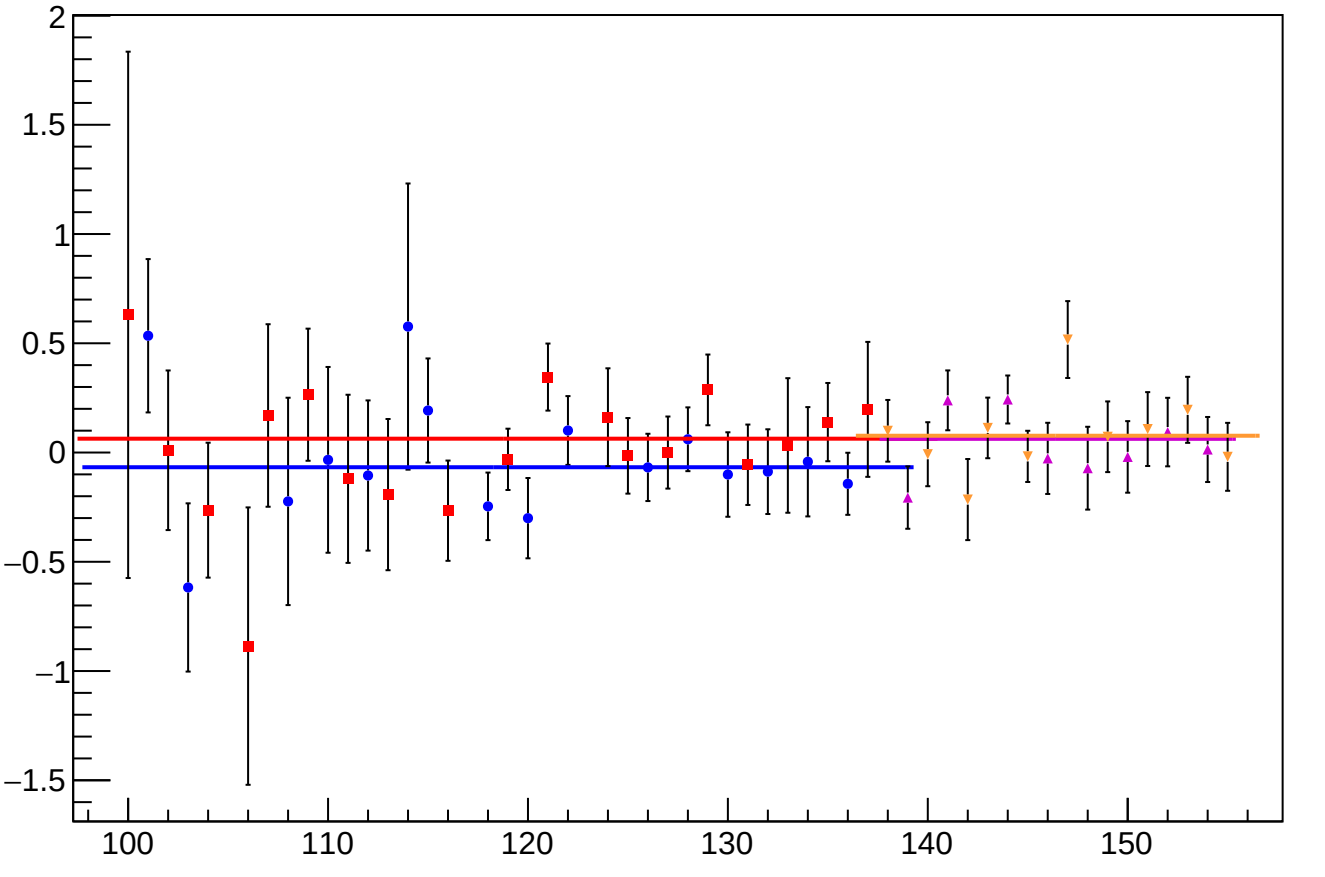
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:788963.6/7

+ sign 0.007+/-0.000 χ^2/NDF: 5596873.9/25

All: 0.007+/-0.000 χ^2/NDF: 12545351.1/52

- sign 0.006+/-0.000 χ^2/NDF: 6752367.8/26



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.077+/-0.048 χ^2/NDF:10.8/9

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

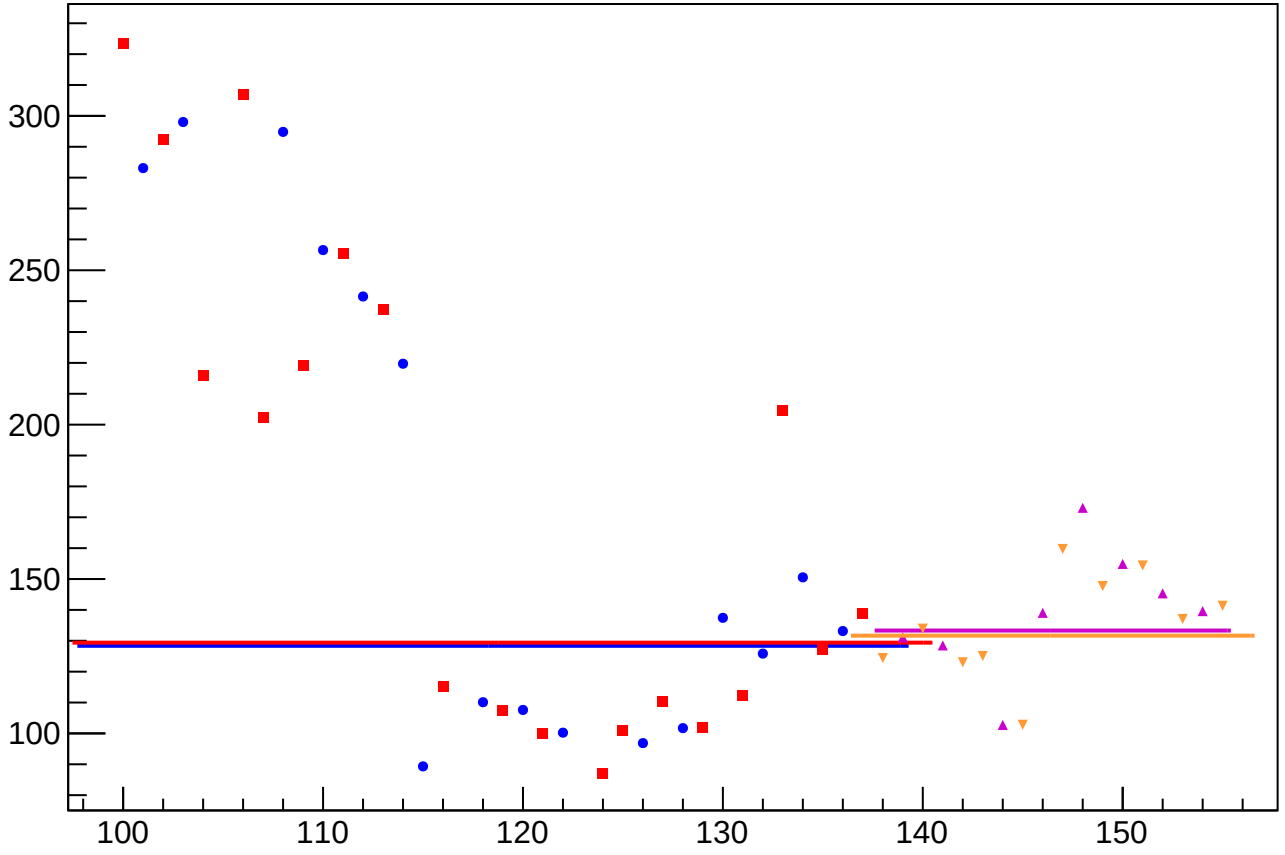
Left In: 0.063+/-0.052 χ^2/NDF:9.1/7

+ sign 0.011+/-0.035 χ^2/NDF: 27.5/25

All: 0.036+/-0.025 χ^2/NDF: 51.7/52

- sign 0.063+/-0.037 χ^2/NDF: 23.1/26

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 131.661+/-0.034 χ^2/NDF:253046.6/9

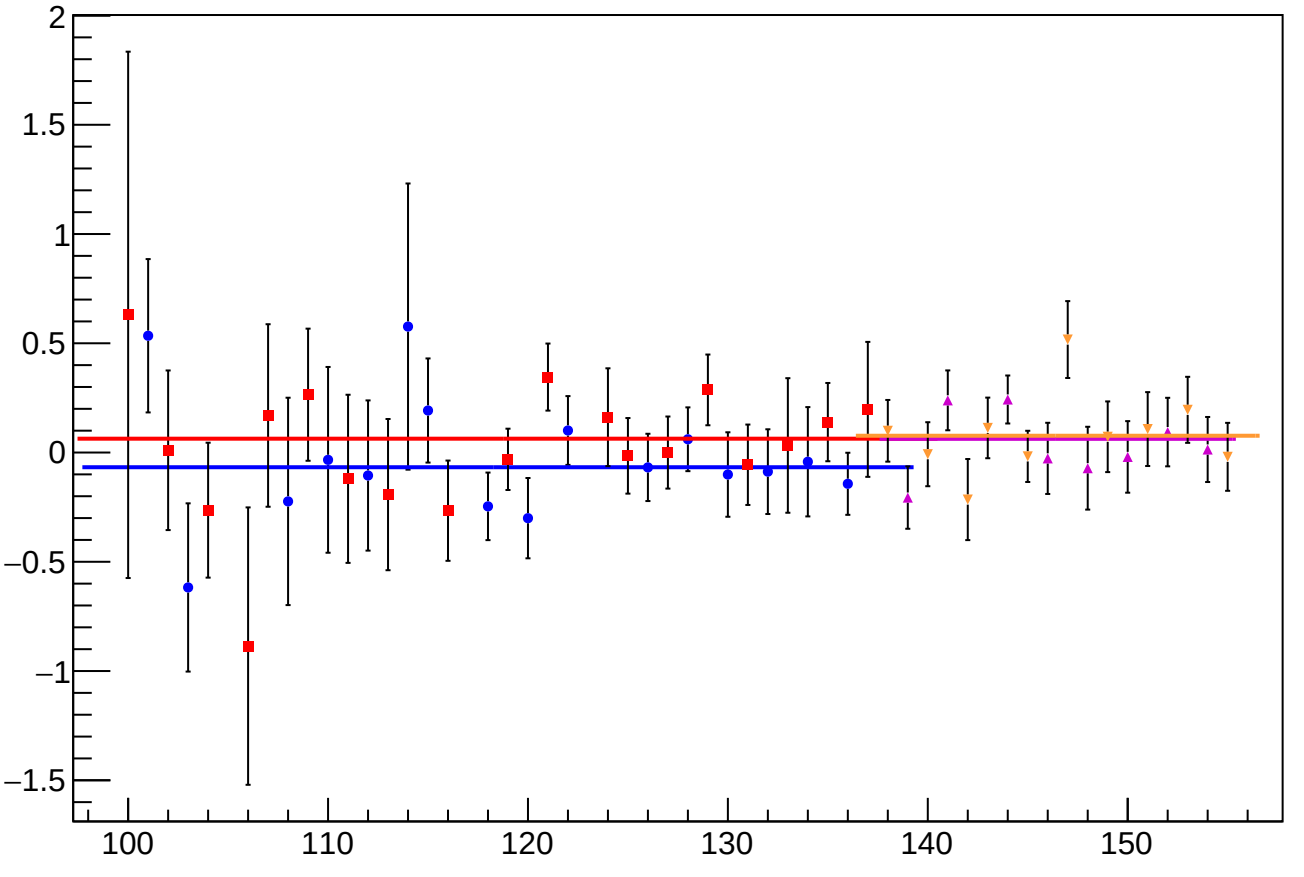
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 133.317+/-0.037 χ^2/NDF:298558.6/7

+ sign 130.156+/-0.025 χ^2/NDF: 2062434.8/25

All: 130.730+/-0.018 χ^2/NDF: 4256144.1/52

- sign 131.353+/-0.026 χ^2/NDF: 2192591.8/26



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.077+/-0.048 χ^2/NDF:10.8/9

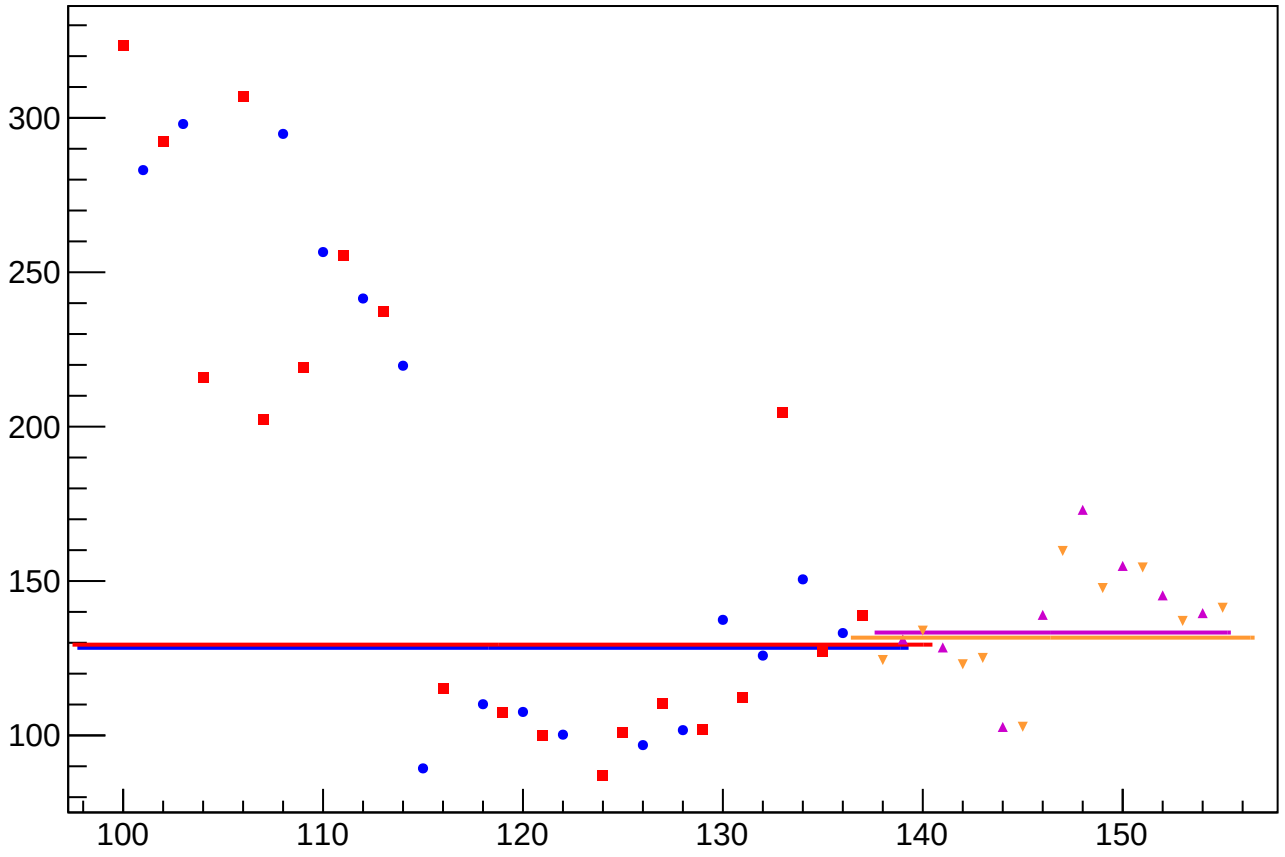
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.063+/-0.052 χ^2/NDF:9.1/7

+ sign 0.011+/-0.035 χ^2/NDF: 27.5/25

All: 0.036+/-0.025 χ^2/NDF: 51.7/52

- sign 0.063+/-0.037 χ^2/NDF: 23.1/26



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 131.661+/-0.034 χ^2/NDF:253046.6/9

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

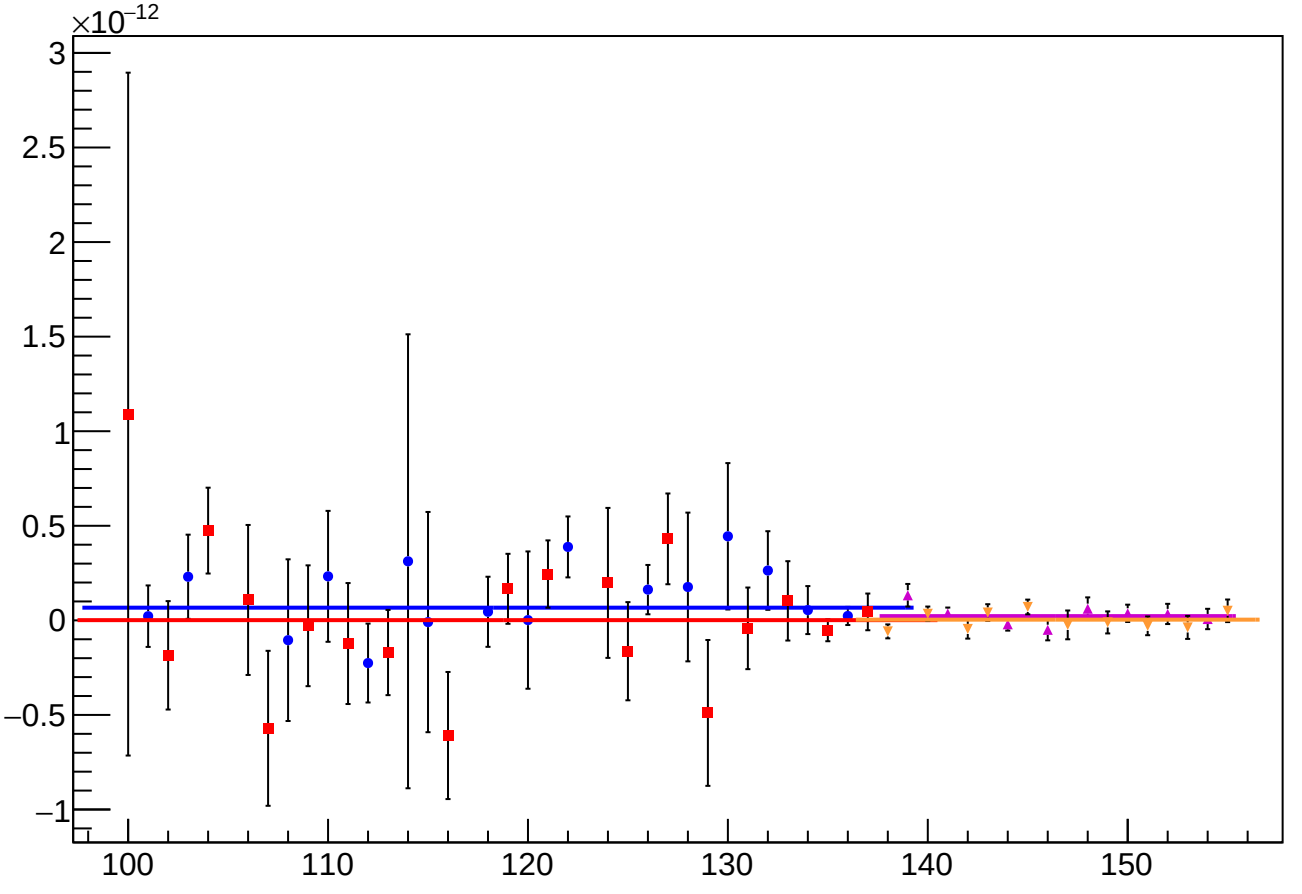
Left In: 133.317+/-0.037 χ^2/NDF:298558.6/7

+ sign 130.156+/-0.025 χ^2/NDF: 2062434.8/25

All: 130.730+/-0.018 χ^2/NDF: 4256144.1/52

- sign 131.353+/-0.026 χ^2/NDF: 2192591.8/26

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

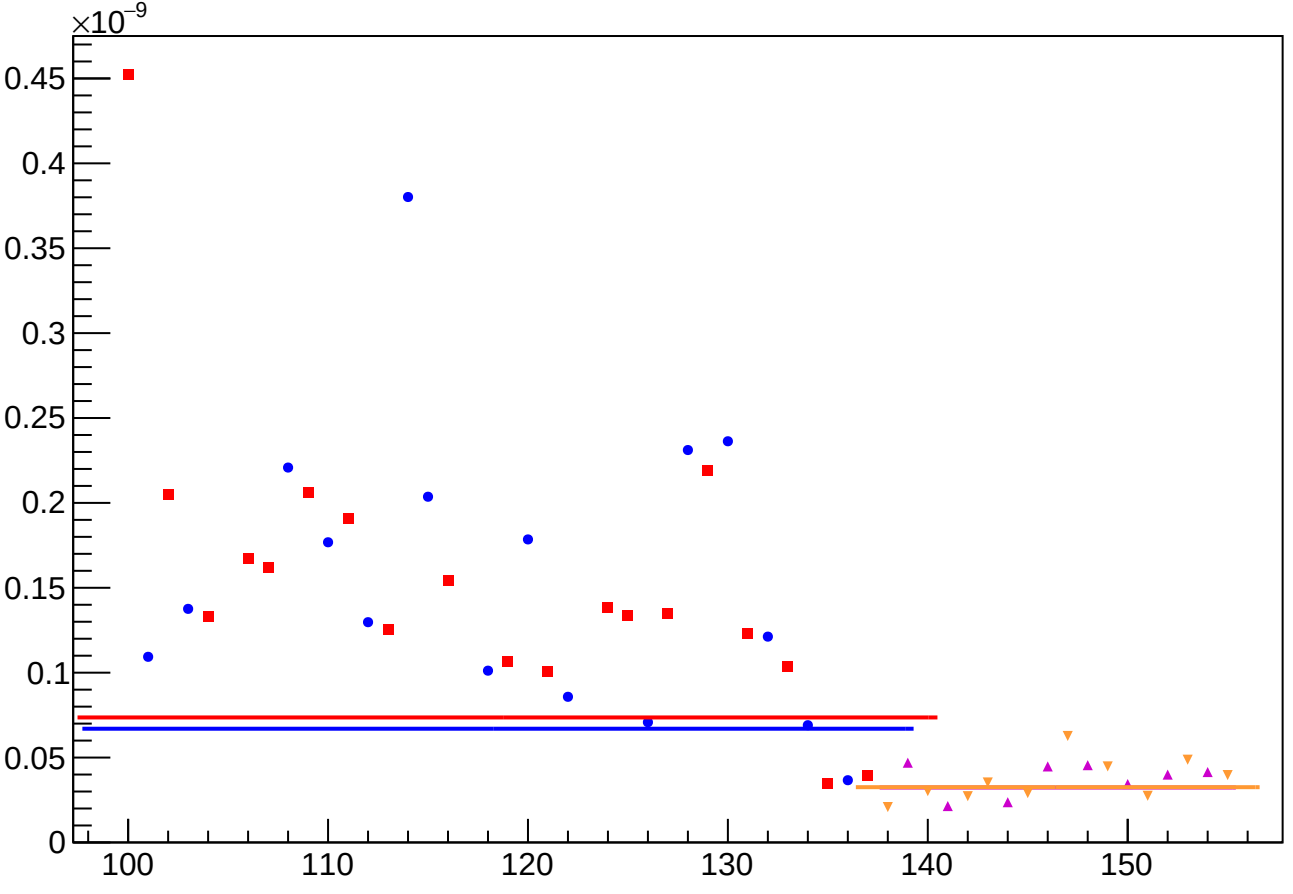
Left In: 0.000+/-0.000 χ^2/NDF:7.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 22.8/25

All: 0.000+/-0.000 χ^2/NDF: 51.3/52

- sign 0.000+/-0.000 χ^2/NDF: 28.5/26

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:847257.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

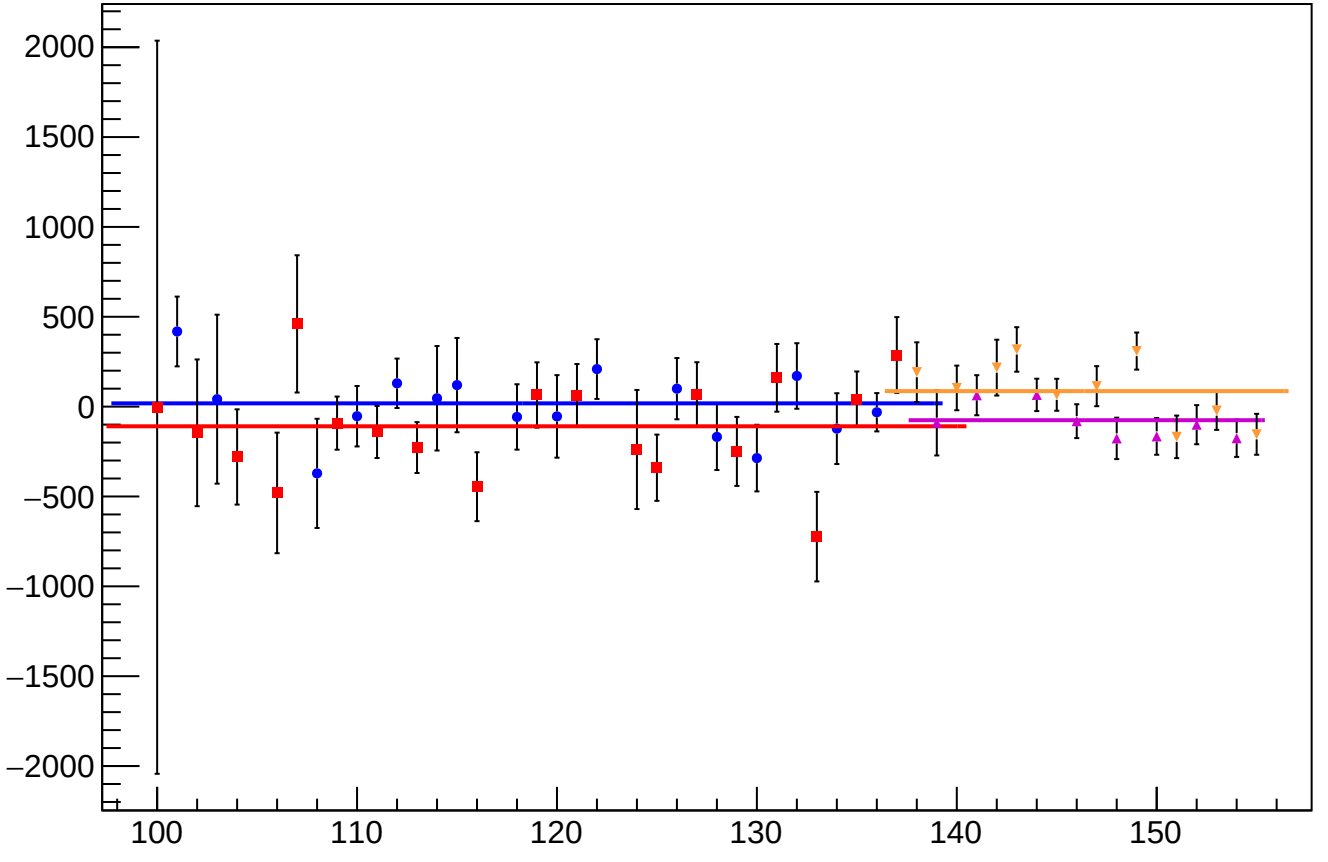
Left In: 0.000+/-0.000 χ^2/NDF:787456.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 5576306.6/25

All: 0.000+/-0.000 χ^2/NDF: 11906140.9/52

- sign 0.000+/-0.000 χ^2/NDF: 6328640.9/26

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 86.311+/-36.672 χ^2/NDF:19.5/9

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

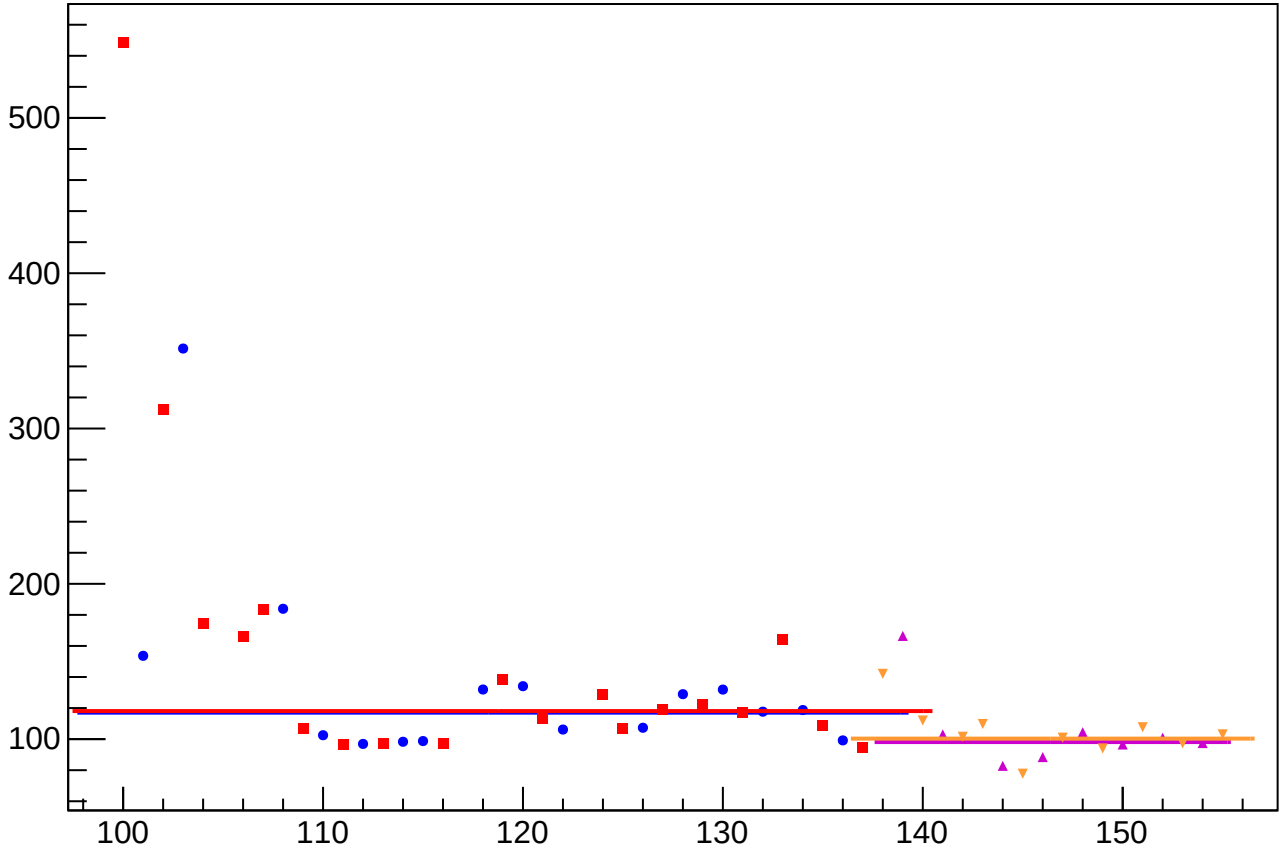
Left In: -75.616+/-37.960 χ^2/NDF:6.5/7

+ sign 59.637+/-28.603 χ^2/NDF: 34.7/25

All: -13.247+/-20.444 χ^2/NDF: 80.3/52

- sign -89.377+/-29.233 χ^2/NDF: 32.3/26

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.334+/-0.026 χ^2/NDF:302219.3/9

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

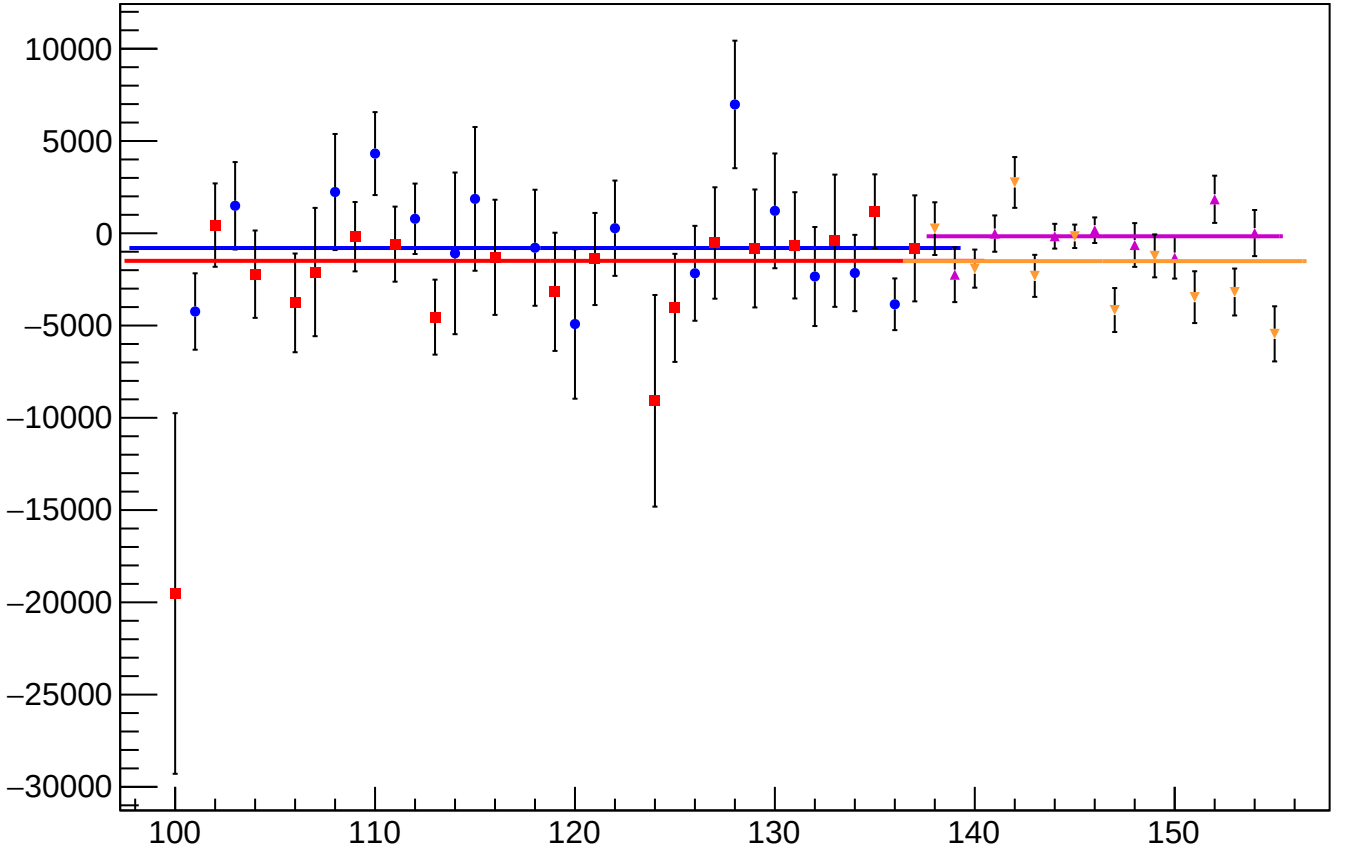
Left In: 98.106+/-0.027 χ^2/NDF:373376.5/7

+ sign 106.886+/-0.020 χ^2/NDF: 1323624.9/25

All: 106.563+/-0.014 χ^2/NDF: 2913105.5/52

- sign 106.225+/-0.021 χ^2/NDF: 1588959.4/26

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1509.499+/-348.730 χ^2/NDF:31.9/9

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

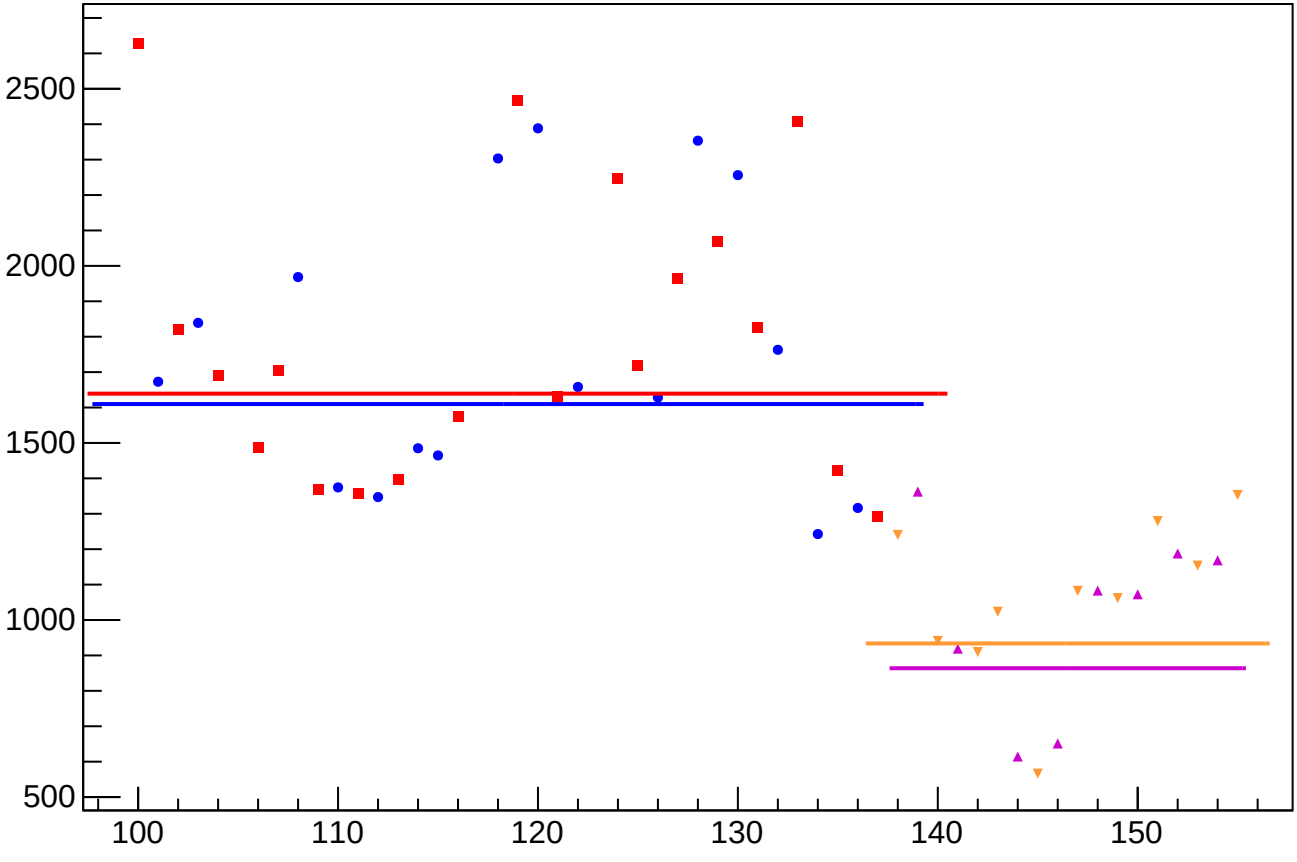
Left In: -162.991+/-342.496 χ^2/NDF:5.9/7

\+ sign -1337.092+/-303.475 χ^2/NDF: 56.3/25

All: -901.953+/-212.991 χ^2/NDF: 82.8/52

\- sign -479.542+/-299.004 χ^2/NDF: 22.4/26

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 933.821+/-0.247 χ^2/NDF:1168673.5/9

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

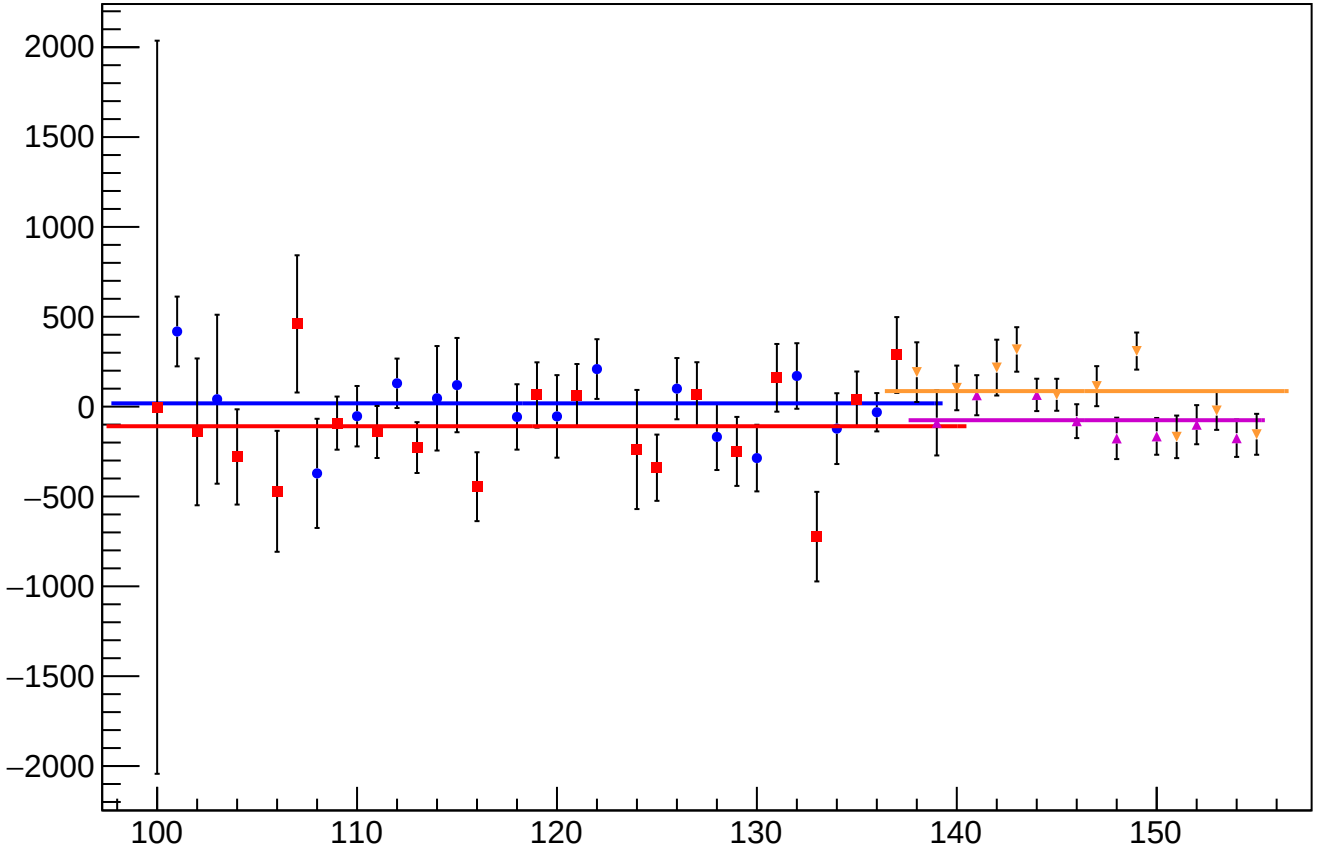
Left In: 863.823+/-0.242 χ^2/NDF:1078299.4/7

+ sign 1097.877+/-0.215 χ^2/NDF: 3611556.7/25

All: 1072.697+/-0.151 χ^2/NDF: 7675465.0/52

- sign 1048.253+/-0.211 χ^2/NDF: 4036773.2/26

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 86.317+/-36.672 χ^2/NDF:19.5/9

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

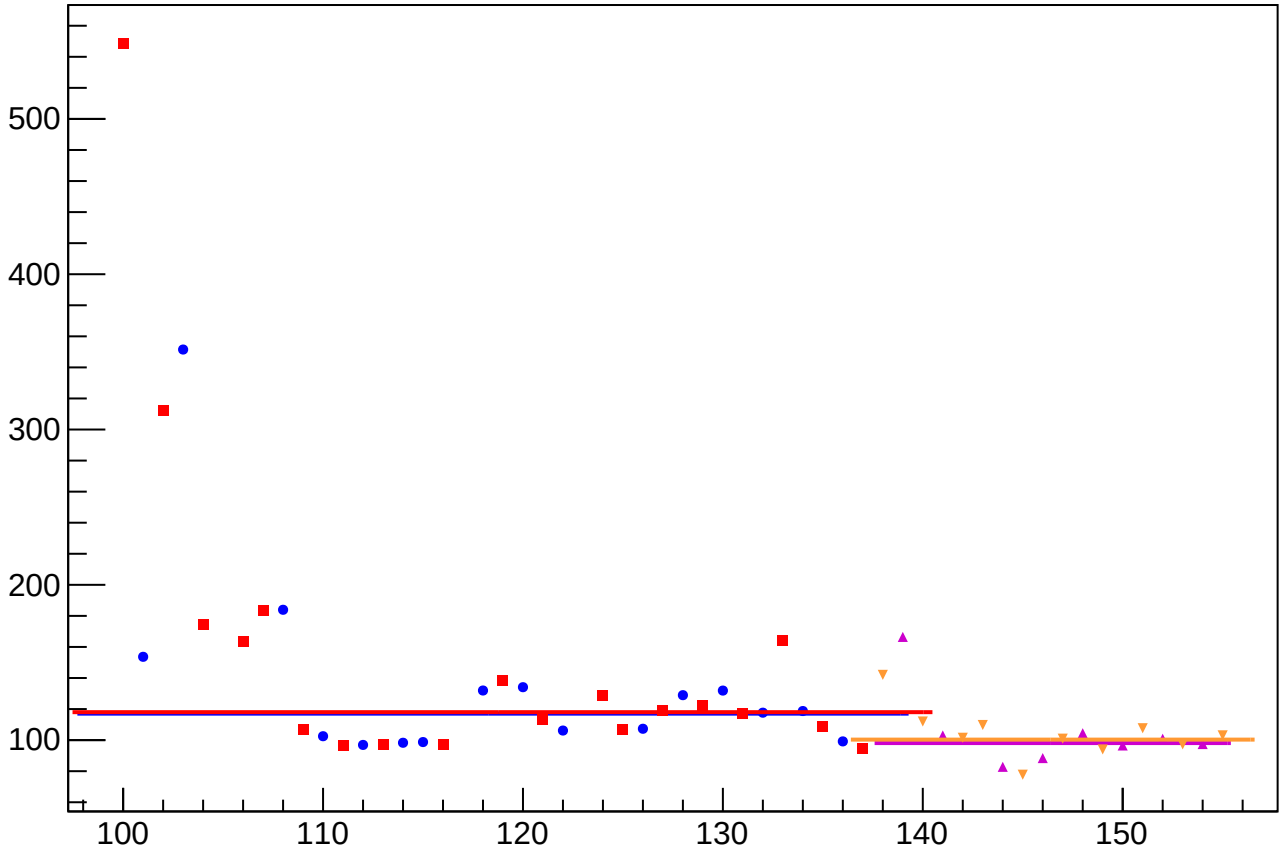
Left In: -75.616+/-37.960 χ^2/NDF:6.5/7

+ sign 59.635+/-28.603 χ^2/NDF: 34.7/25

All: -13.190+/-20.444 χ^2/NDF: 80.2/52

- sign -89.262+/-29.233 χ^2/NDF: 32.3/26

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.334+/-0.026 χ^2/NDF:302219.3/9

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

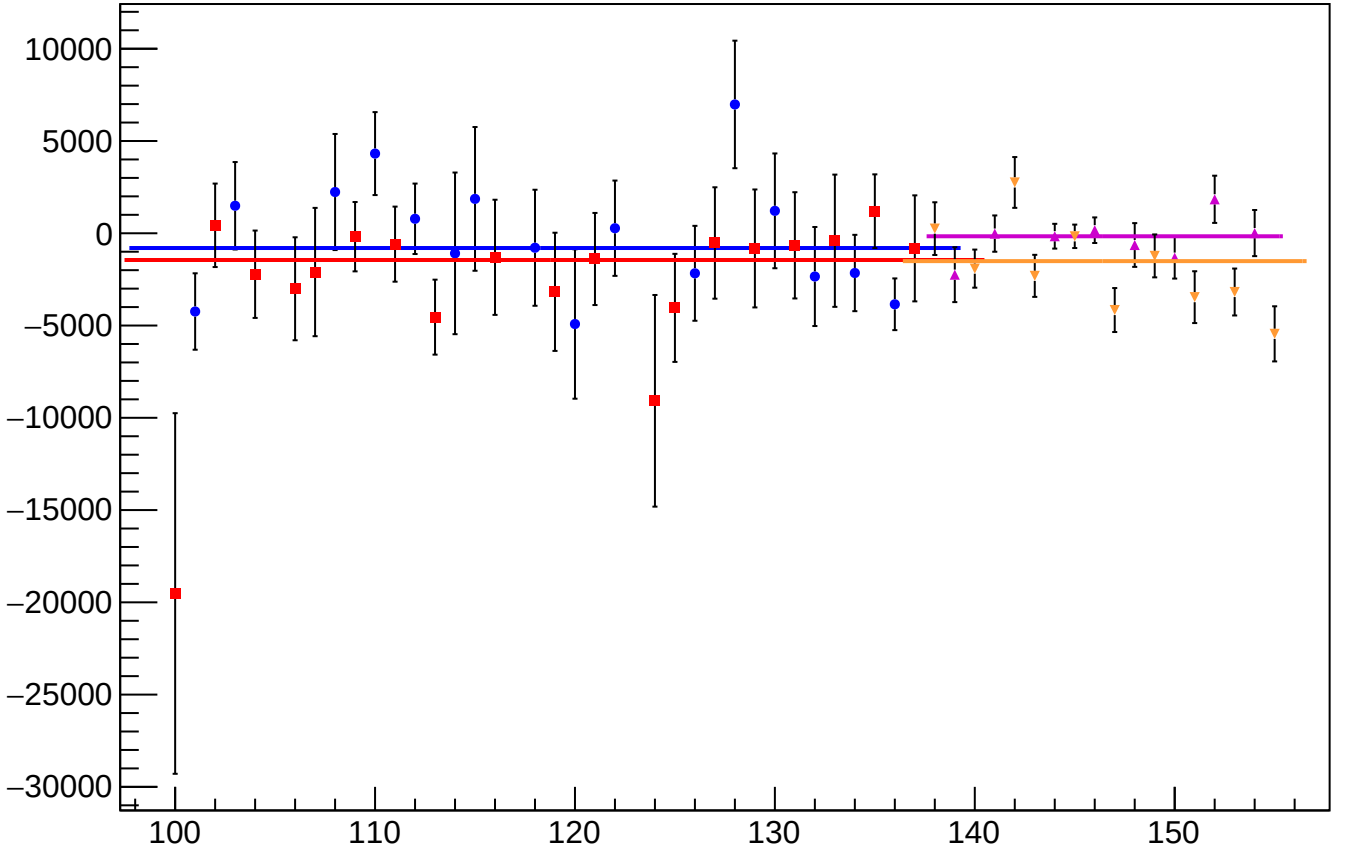
Left In: 98.106+/-0.027 χ^2/NDF:373376.5/7

+ sign 106.886+/-0.020 χ^2/NDF: 1323626.8/25

All: 106.552+/-0.014 χ^2/NDF: 2907765.0/52

- sign 106.204+/-0.021 χ^2/NDF: 1583582.1/26

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1509.491+/-348.730 χ^2/NDF:31.9/9

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

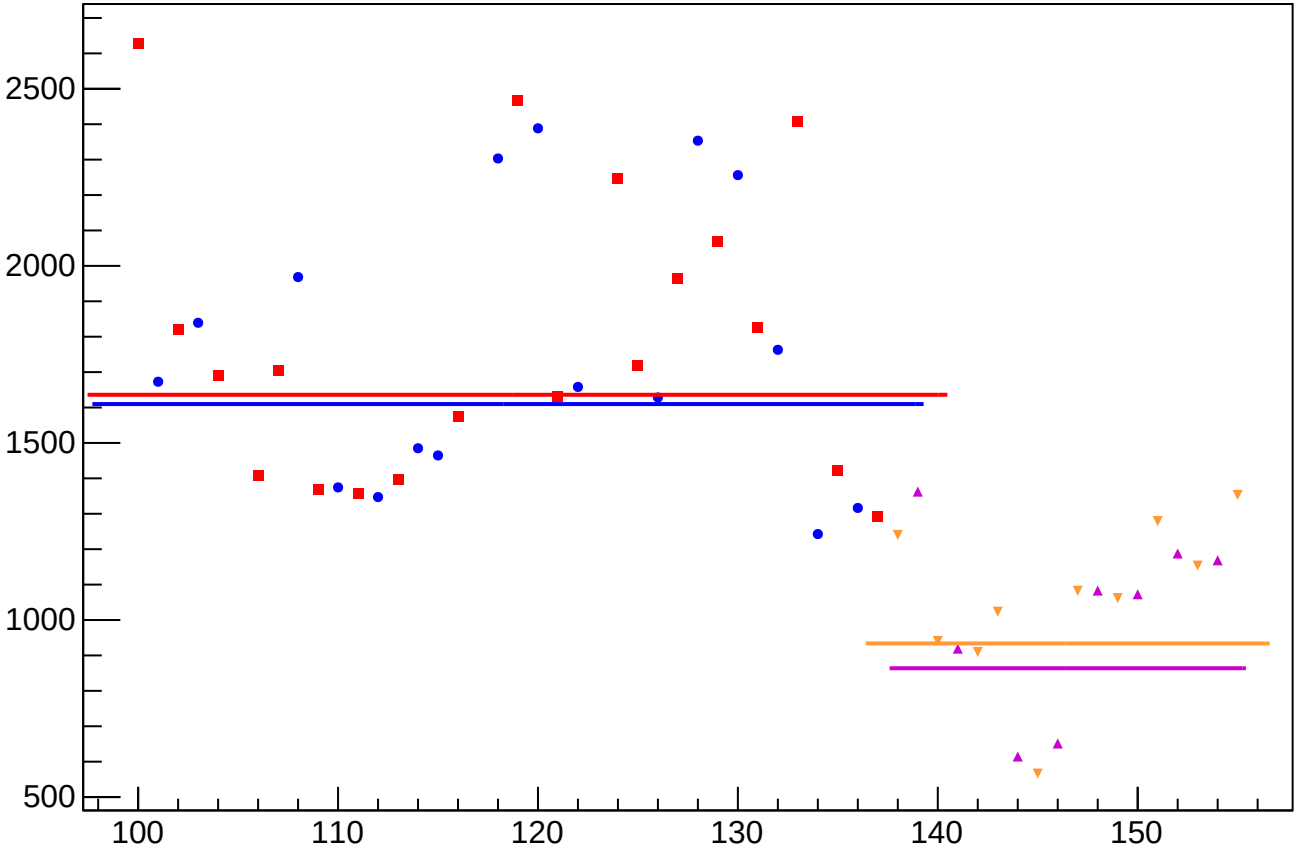
Left In: -162.999+/-342.496 χ^2/NDF:5.9/7

+ sign -1337.084+/-303.476 χ^2/NDF: 56.3/25

All: -896.173+/-213.047 χ^2/NDF: 82.2/52

- sign -467.713+/-299.160 χ^2/NDF: 21.7/26

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 933.820+/-0.247 χ^2/NDF:1168674.2/9

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

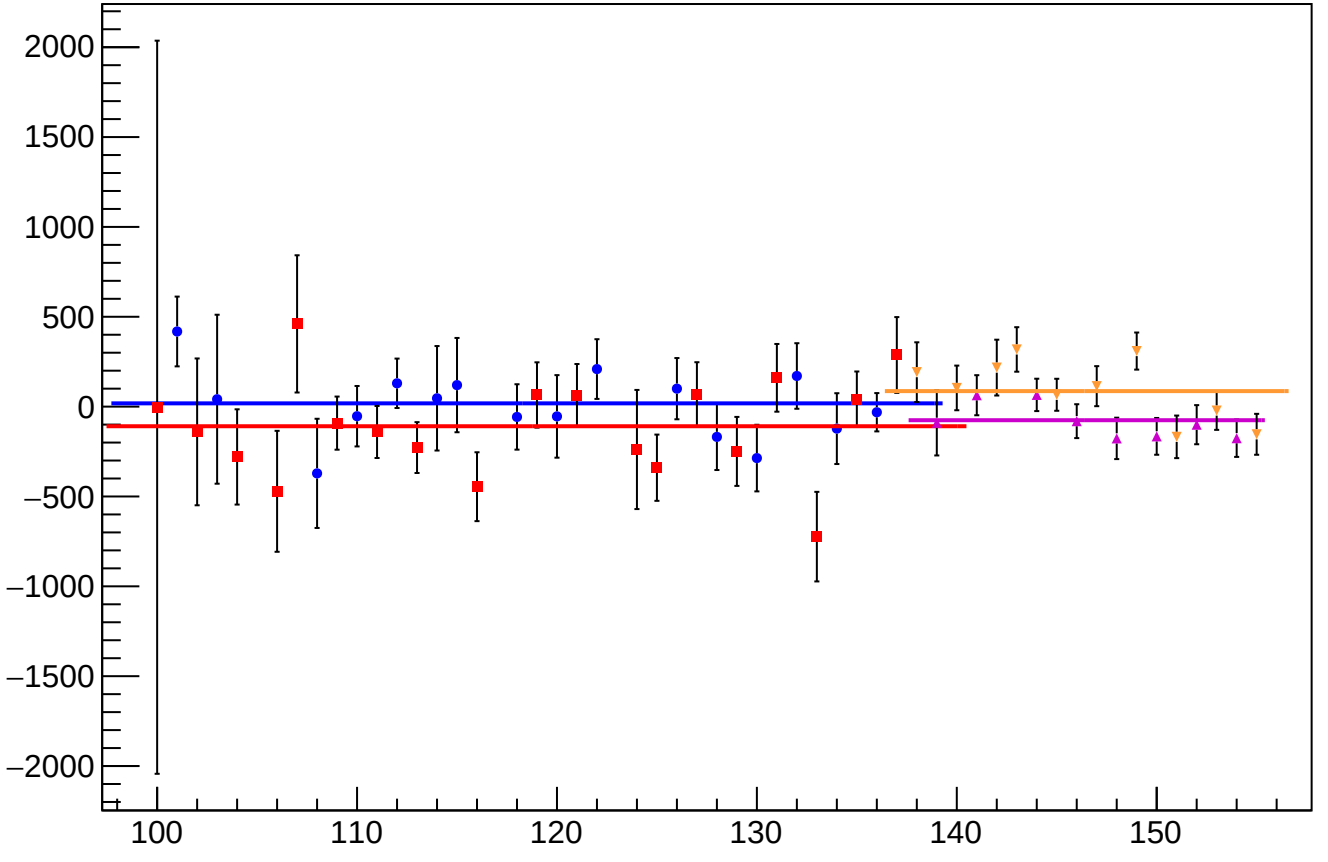
Left In: 863.823+/-0.242 χ^2/NDF:1078302.6/7

+ sign 1097.877+/-0.215 χ^2/NDF: 3611618.9/25

All: 1072.013+/-0.151 χ^2/NDF: 7656540.8/52

- sign 1046.880+/-0.212 χ^2/NDF: 4016278.6/26

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 86.317+/-36.672 χ^2/NDF:19.5/9

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

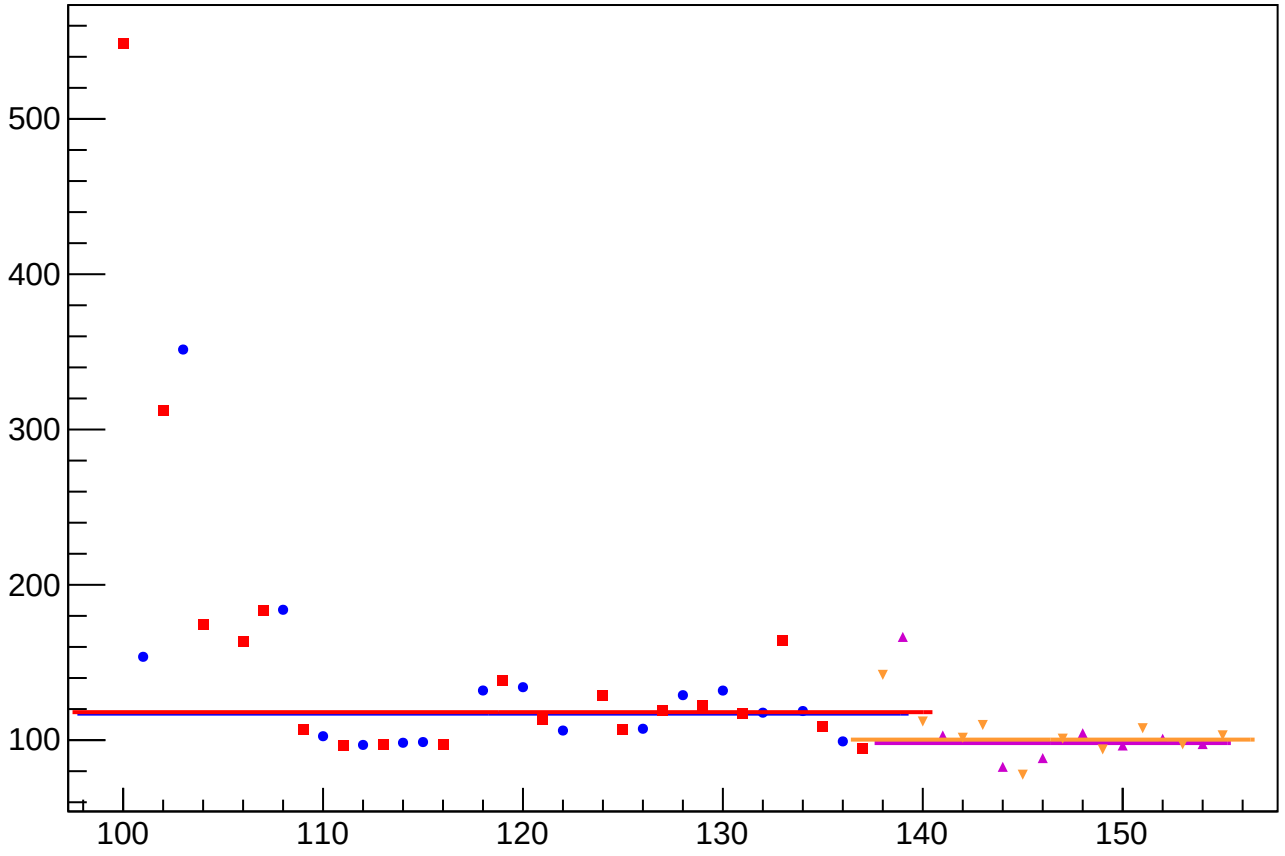
Left In: -75.616+/-37.960 χ^2/NDF:6.5/7

+ sign 59.635+/-28.603 χ^2/NDF: 34.7/25

All: -13.190+/-20.444 χ^2/NDF: 80.2/52

- sign -89.262+/-29.233 χ^2/NDF: 32.3/26

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.334+/-0.026 χ^2/NDF:302219.3/9

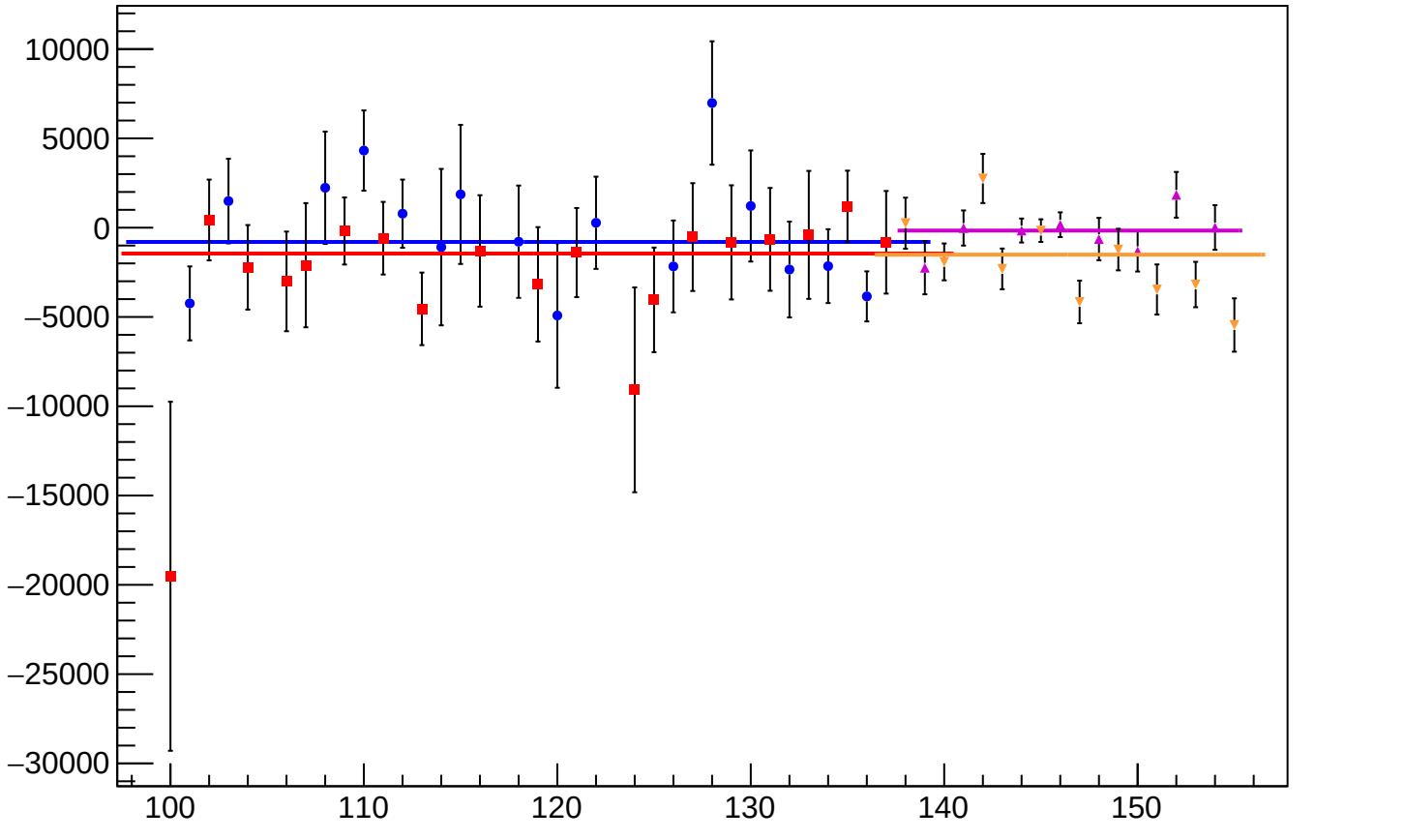
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.106+/-0.027 χ^2/NDF:373376.5/7

+ sign 106.886+/-0.020 χ^2/NDF: 1323626.8/25

All: 106.552+/-0.014 χ^2/NDF: 2907765.0/52

- sign 106.204+/-0.021 χ^2/NDF: 1583582.1/26



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1509.491+/-348.730 χ^2/NDF:31.9/9

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

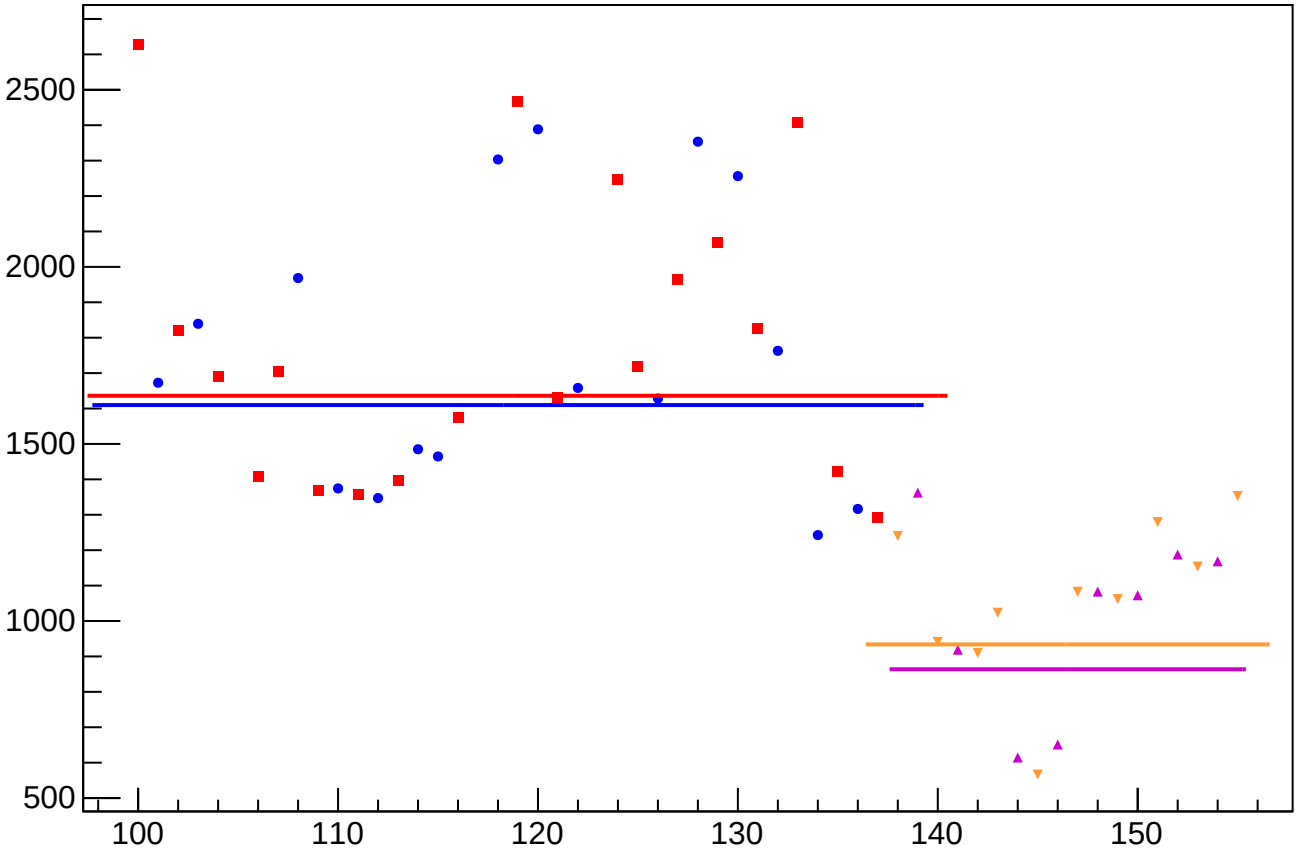
Left In: -162.999+/-342.496 χ^2/NDF:5.9/7

+ sign -1337.084+/-303.476 χ^2/NDF: 56.3/25

All: -896.173+/-213.047 χ^2/NDF: 82.2/52

- sign -467.713+/-299.160 χ^2/NDF: 21.7/26

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 933.820+/-0.247 χ^2/NDF:1168674.2/9

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

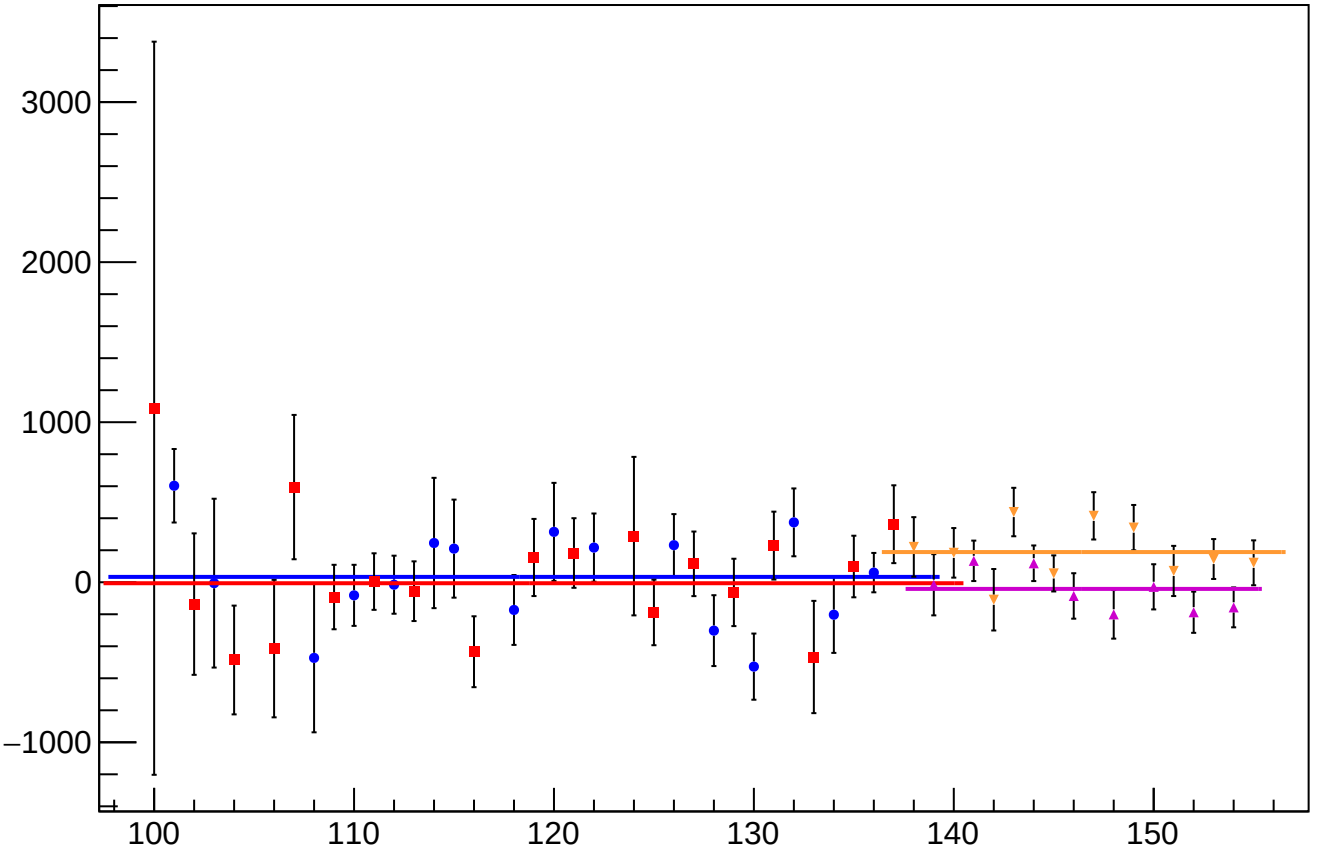
Left In: 863.823+/-0.242 χ^2/NDF:1078302.6/7

+ sign 1097.877+/-0.215 χ^2/NDF: 3611618.9/25

All: 1072.013+/-0.151 χ^2/NDF: 7656540.8/52

- sign 1046.880+/-0.212 χ^2/NDF: 4016278.6/26

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 188.672+/-46.058 χ^2/NDF:11.0/9

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

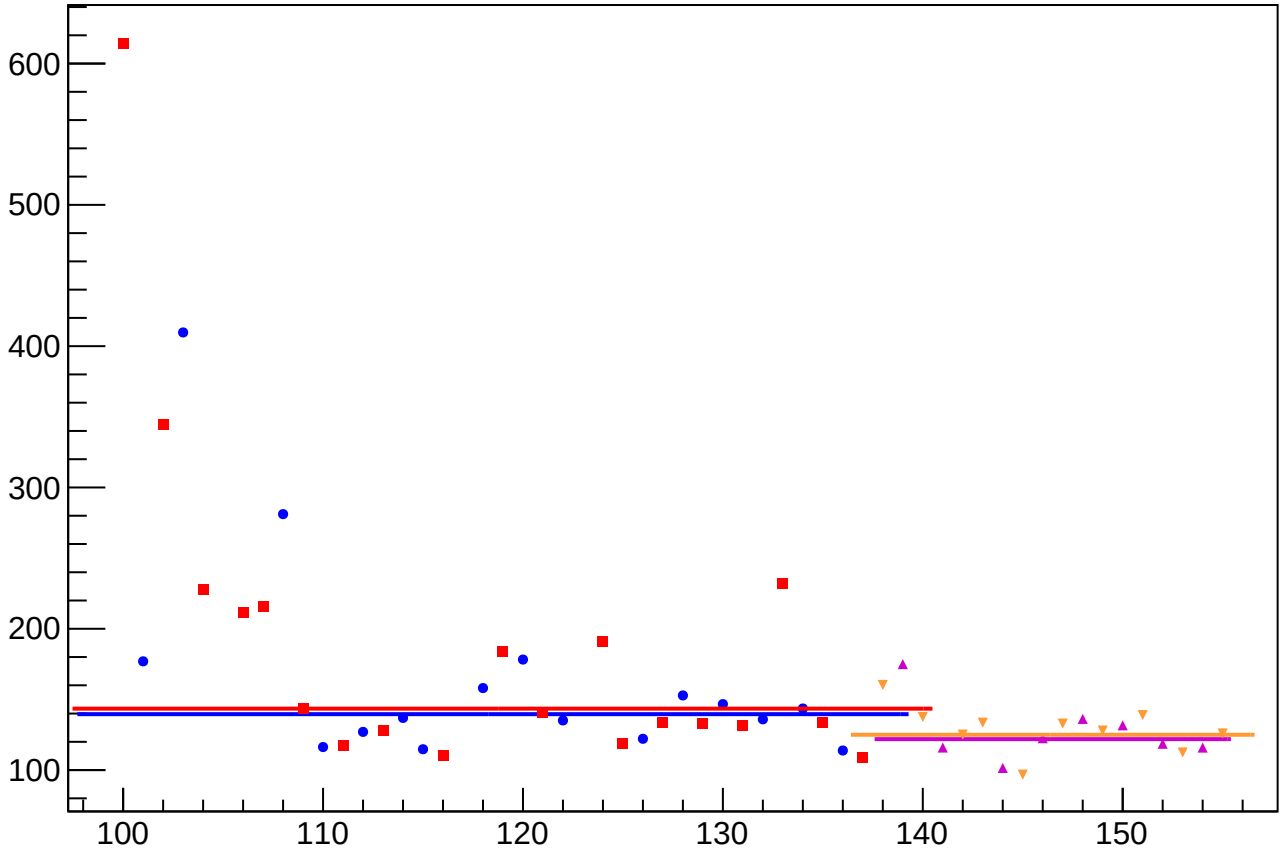
Left In: -41.574+/-47.755 χ^2/NDF:7.4/7

+ sign 124.571+/-35.287 χ^2/NDF: 40.9/25

All: 51.218+/-25.323 χ^2/NDF: 74.7/52

- sign -26.669+/-36.361 χ^2/NDF: 24.9/26

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 125.013+/-0.033 χ^2/NDF:259466.1/9

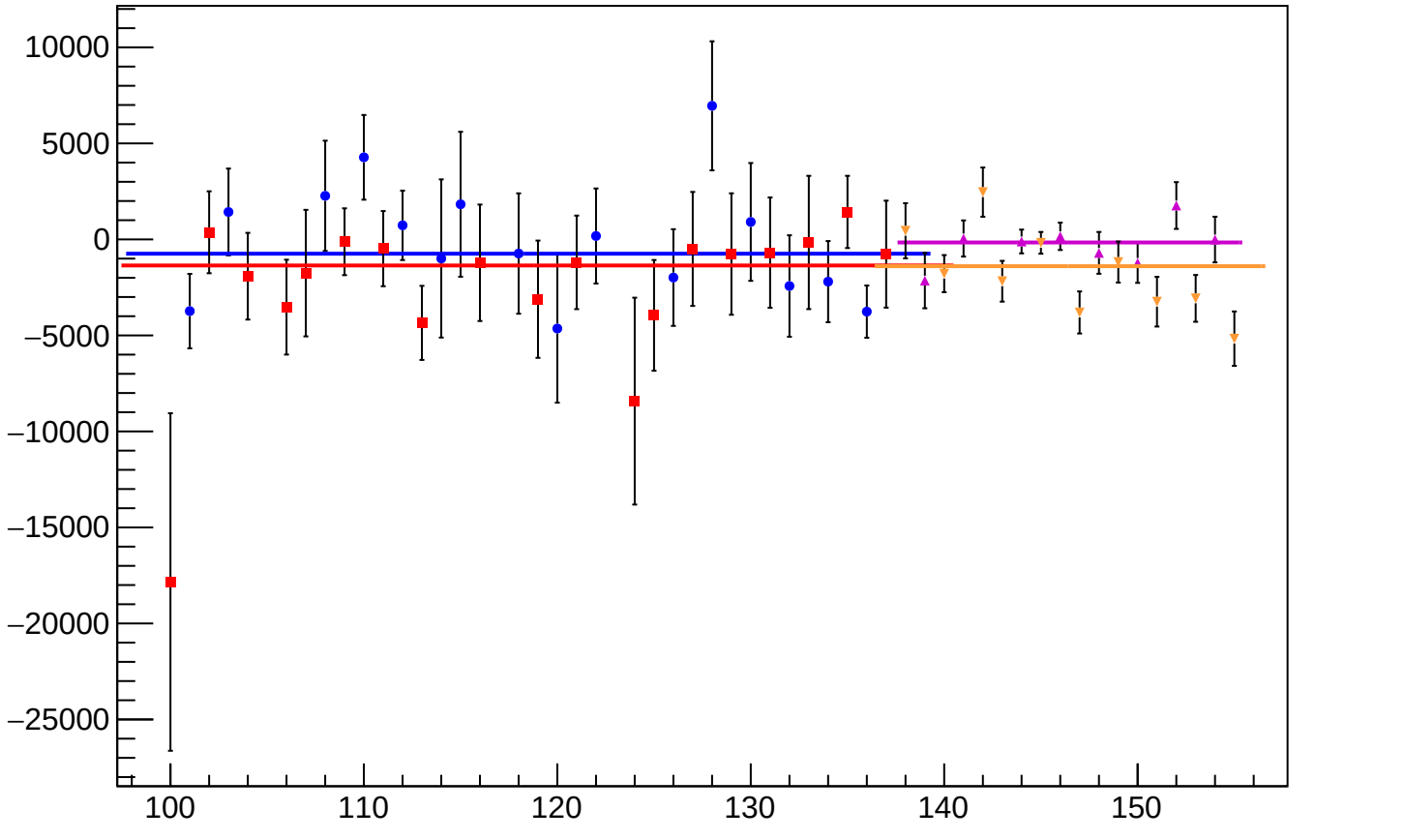
Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 121.899+/-0.034 χ^2/NDF:259232.5/7

+ sign 131.024+/-0.025 χ^2/NDF: 1318670.8/25

All: 130.997+/-0.018 χ^2/NDF: 2866218.2/52

- sign 130.968+/-0.026 χ^2/NDF: 1547545.0/26



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1395.297+/-321.884 χ^2/NDF:31.9/9

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

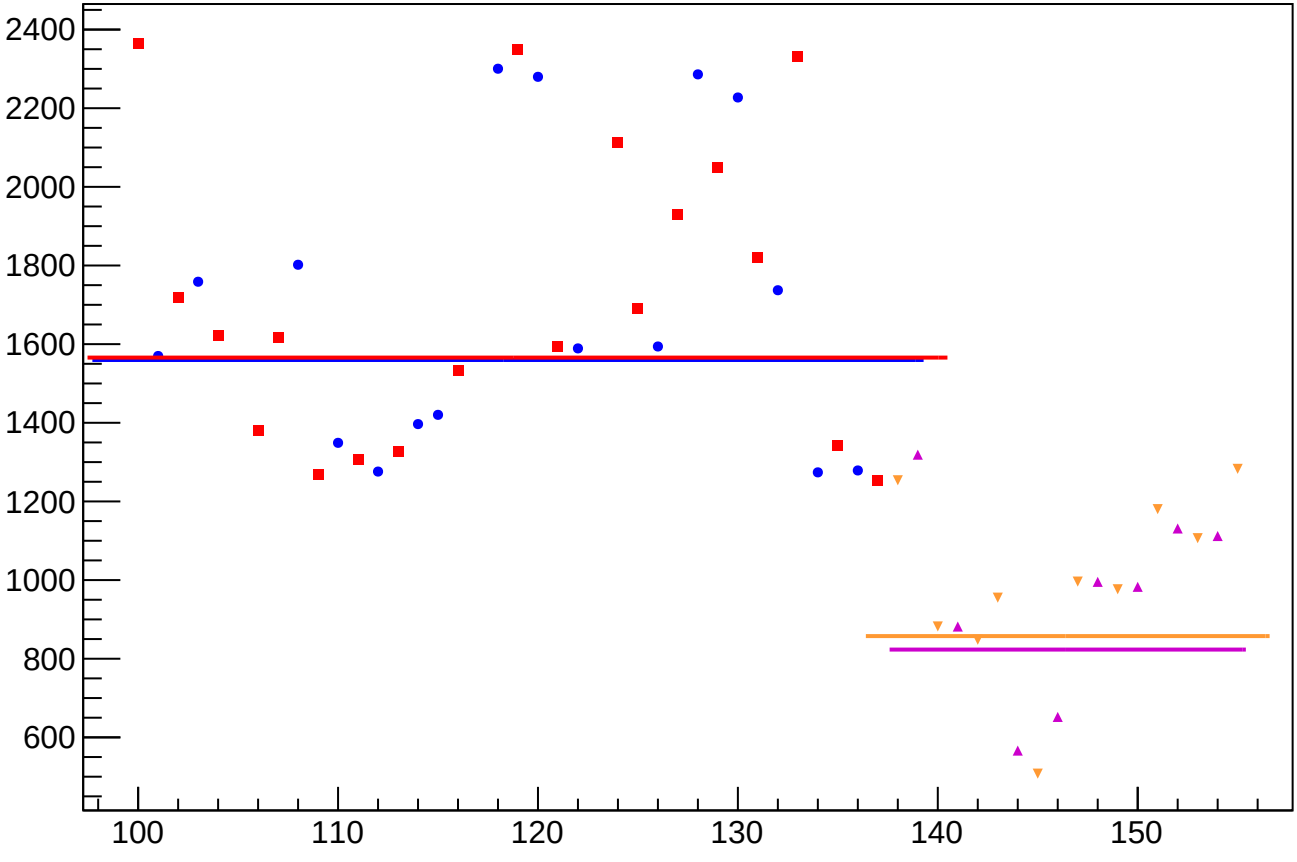
Left In: -159.218+/-326.977 χ^2/NDF:6.0/7

+ sign -1248.306+/-283.198 χ^2/NDF: 56.3/25

All: -849.401+/-201.065 χ^2/NDF: 83.0/52

- sign -443.949+/-285.513 χ^2/NDF: 22.7/26

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 857.548+/-0.228 χ^2/NDF:1379599.0/9

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

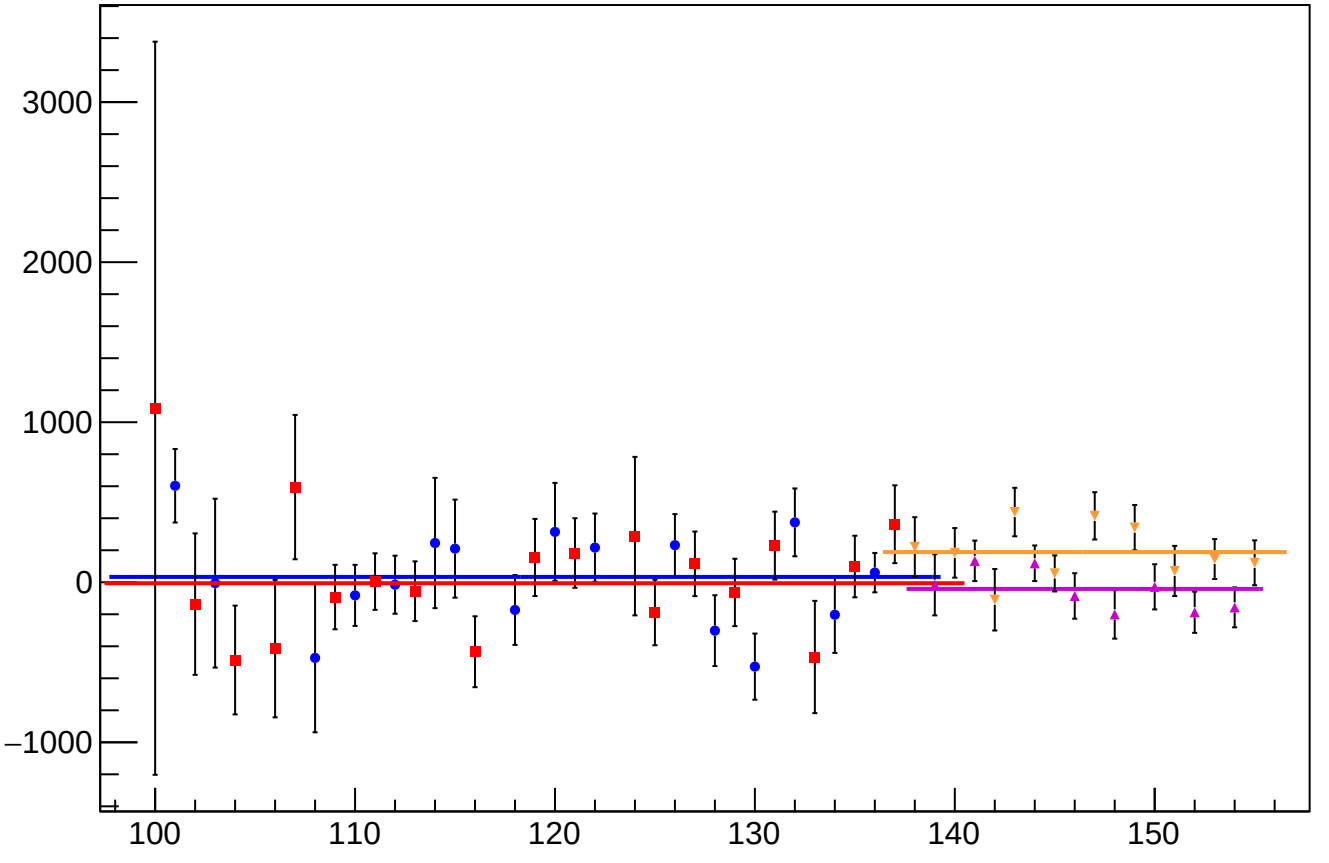
Left In: 823.267+/-0.231 χ^2/NDF:1048672.5/7

+ sign 1016.190+/-0.200 χ^2/NDF: 4134128.1/25

All: 1007.988+/-0.142 χ^2/NDF: 8200085.8/52

- sign 999.652+/-0.202 χ^2/NDF: 4062575.0/26

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 188.675+/-46.059 χ^2/NDF:11.0/9

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

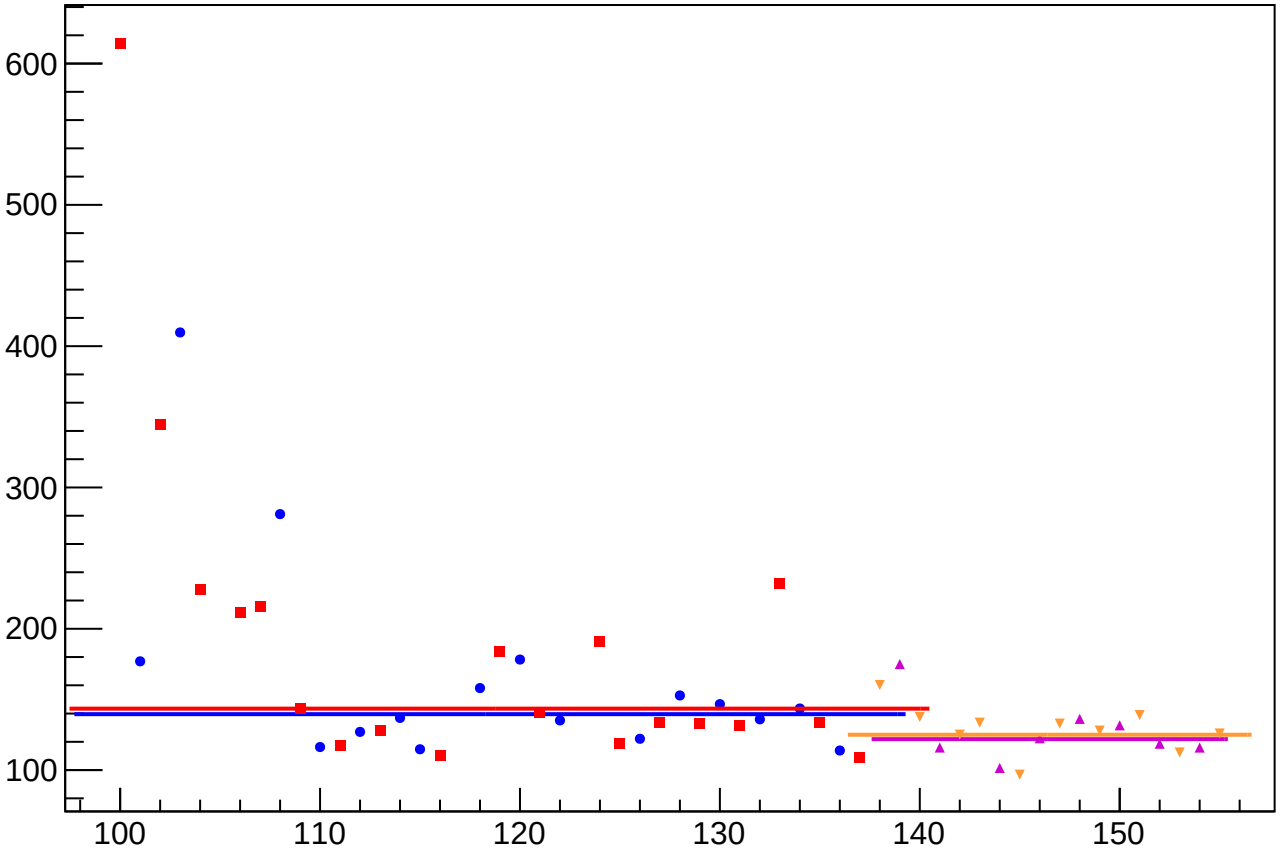
Left In: -41.574+/-47.756 χ^2/NDF:7.4/7

+ sign 124.572+/-35.288 χ^2/NDF: 40.9/25

All: 51.219+/-25.323 χ^2/NDF: 74.7/52

- sign -26.667+/-36.362 χ^2/NDF: 24.9/26

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 125.014+/-0.033 χ^2/NDF:259470.9/9

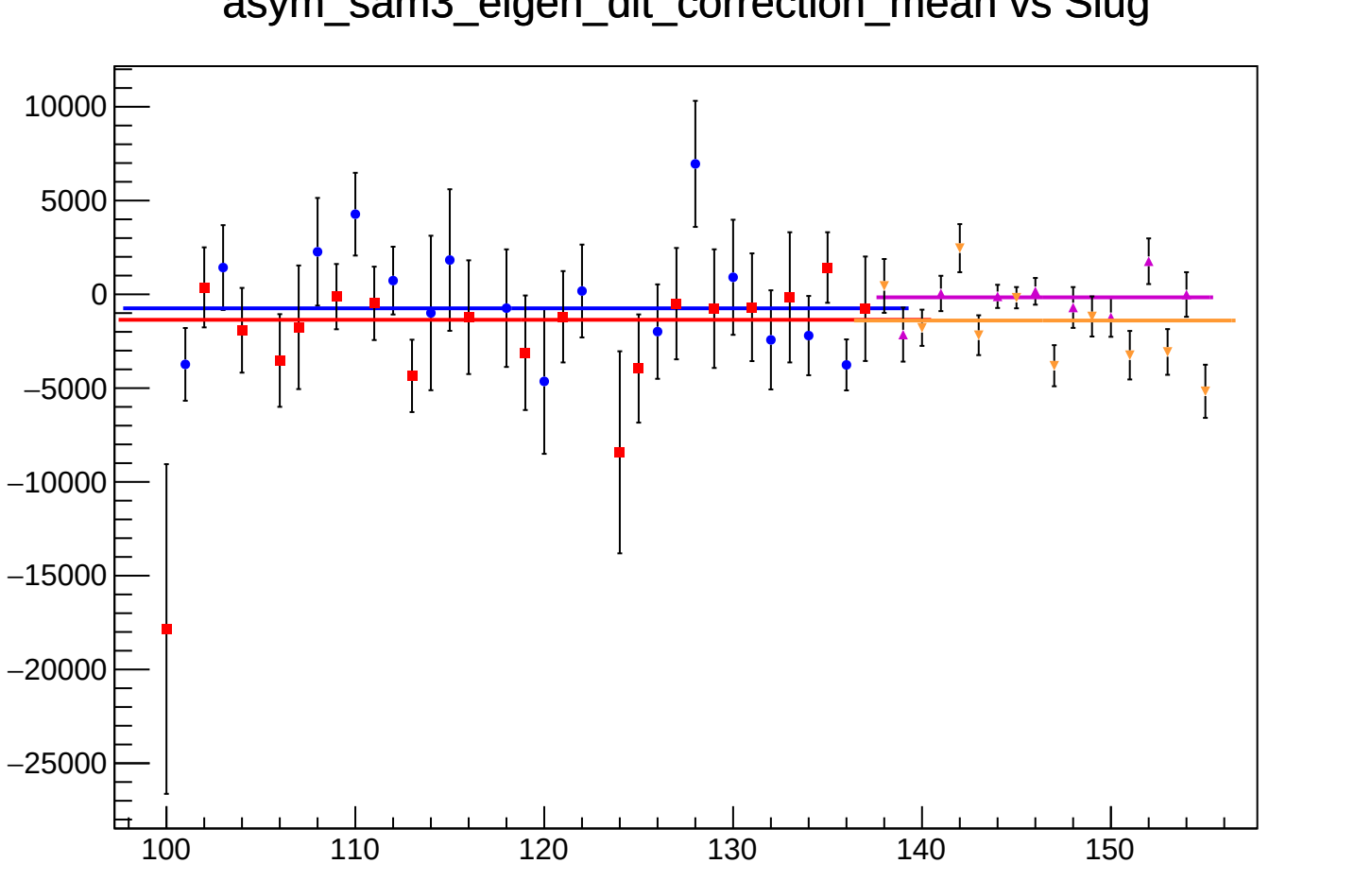
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 121.900+/-0.034 χ^2/NDF:259229.0/7

+ sign 131.025+/-0.025 χ^2/NDF: 1318671.0/25

All: 130.998+/-0.018 χ^2/NDF: 2866215.9/52

- sign 130.969+/-0.026 χ^2/NDF: 1547542.5/26



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1395.299+/-321.883 χ^2/NDF:31.9/9

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

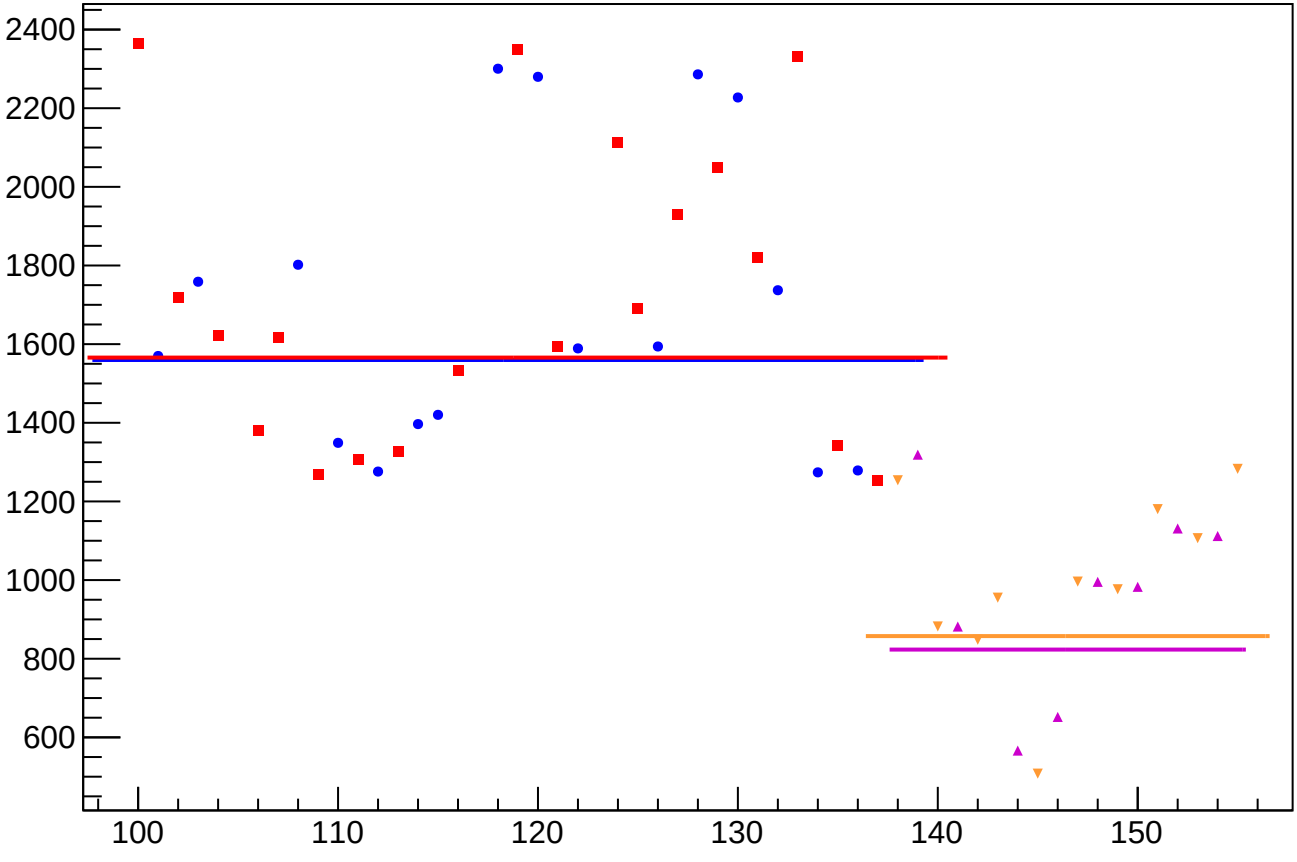
Left In: -159.217+/-326.977 χ^2/NDF:6.0/7

+ sign -1248.307+/-283.198 χ^2/NDF: 56.3/25

All: -849.401+/-201.064 χ^2/NDF: 83.0/52

- sign -443.948+/-285.512 χ^2/NDF: 22.7/26

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 857.547+/-0.228 χ^2/NDF:1379596.5/9

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

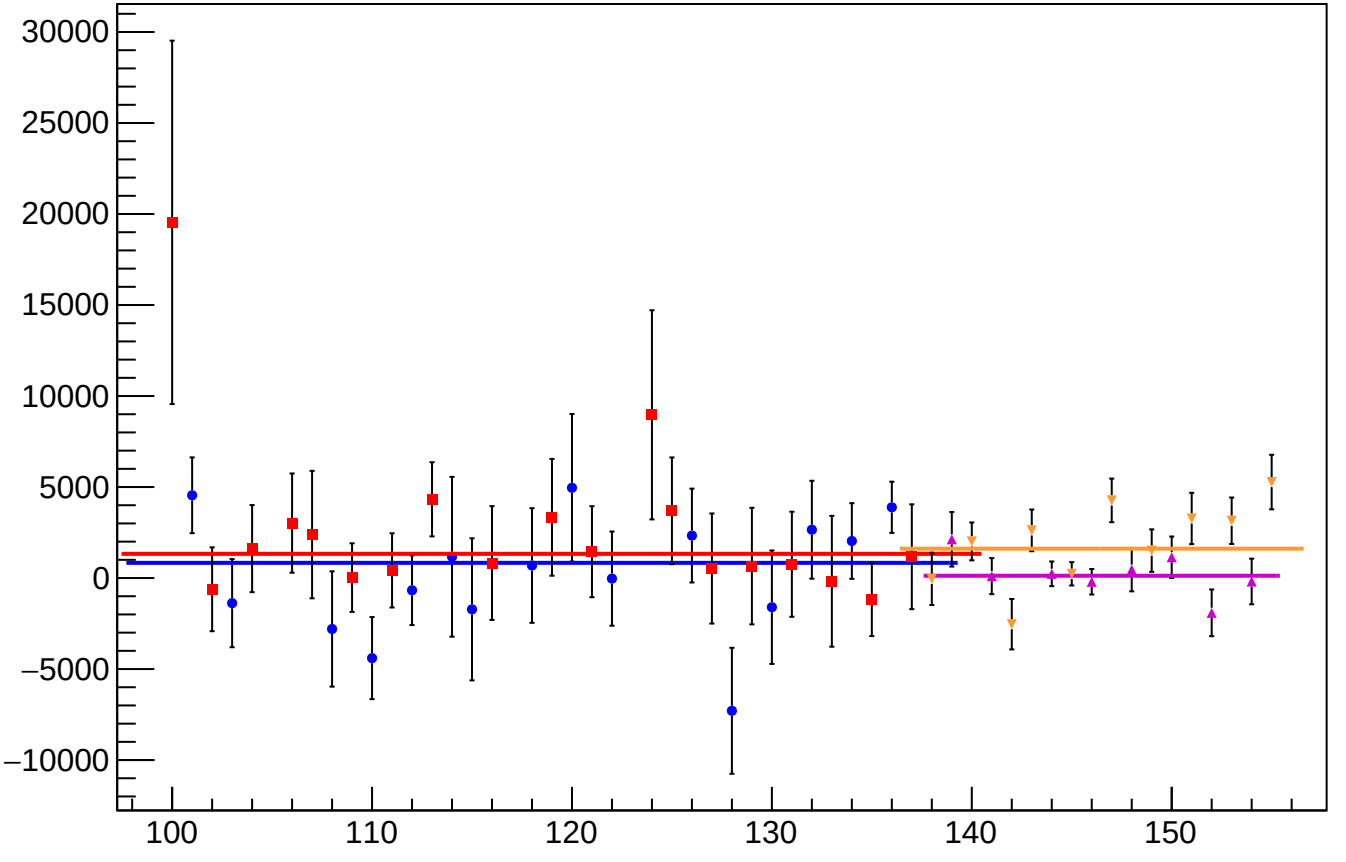
Left In: 823.266+/-0.231 χ^2/NDF:1048670.6/7

+ sign 1016.189+/-0.200 χ^2/NDF: 4134126.6/25

All: 1007.987+/-0.142 χ^2/NDF: 8200078.7/52

- sign 999.651+/-0.202 χ^2/NDF: 4062569.4/26

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1613.741+/-351.112 χ^2/NDF:29.6/9

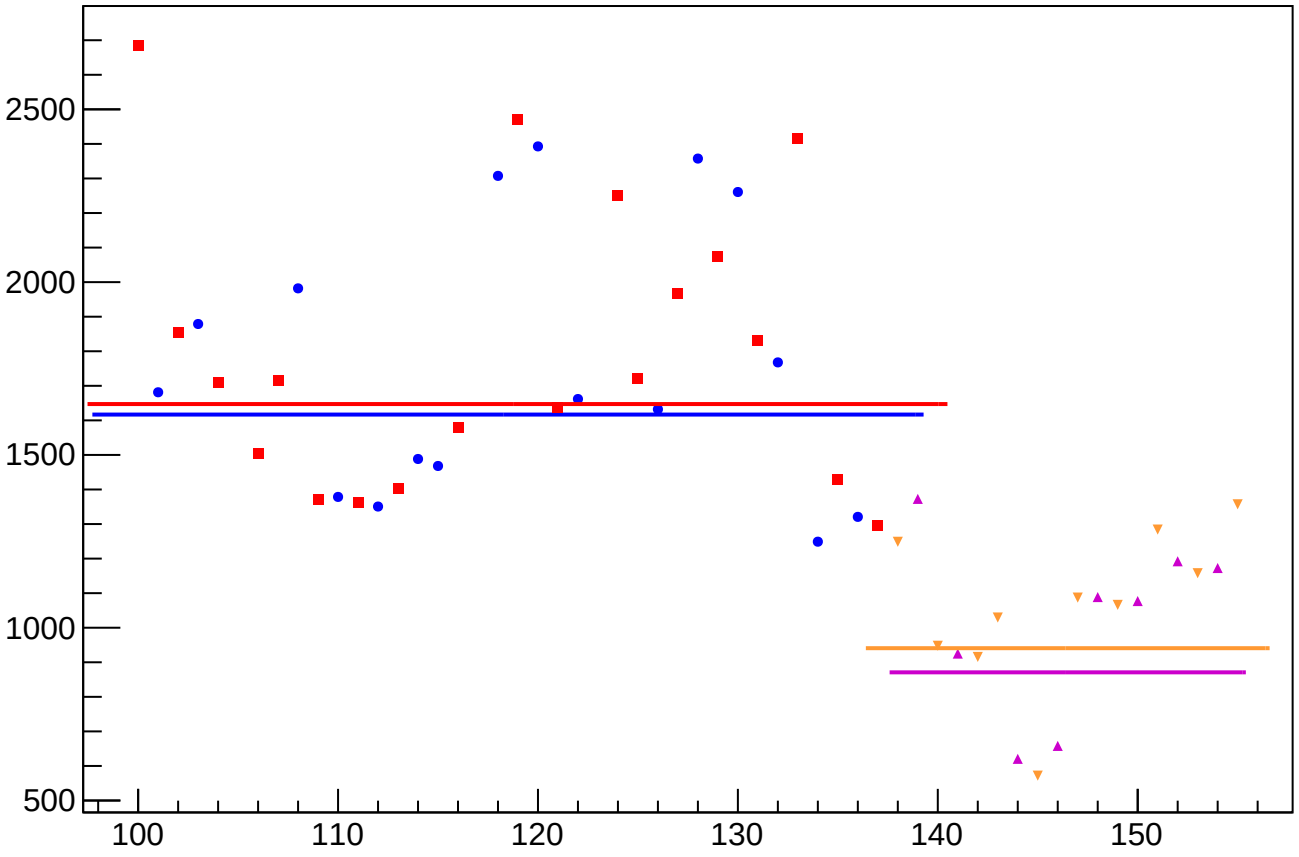
Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: 127.323+/-345.063 χ^2/NDF:5.5/7

+ sign 1424.196+/-305.376 χ^2/NDF: 55.7/25

All: 912.052+/-214.405 χ^2/NDF: 81.7/52

- sign 414.158+/-301.098 χ^2/NDF: 20.5/26



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 940.783+/-0.248 χ^2/NDF:1148535.7/9

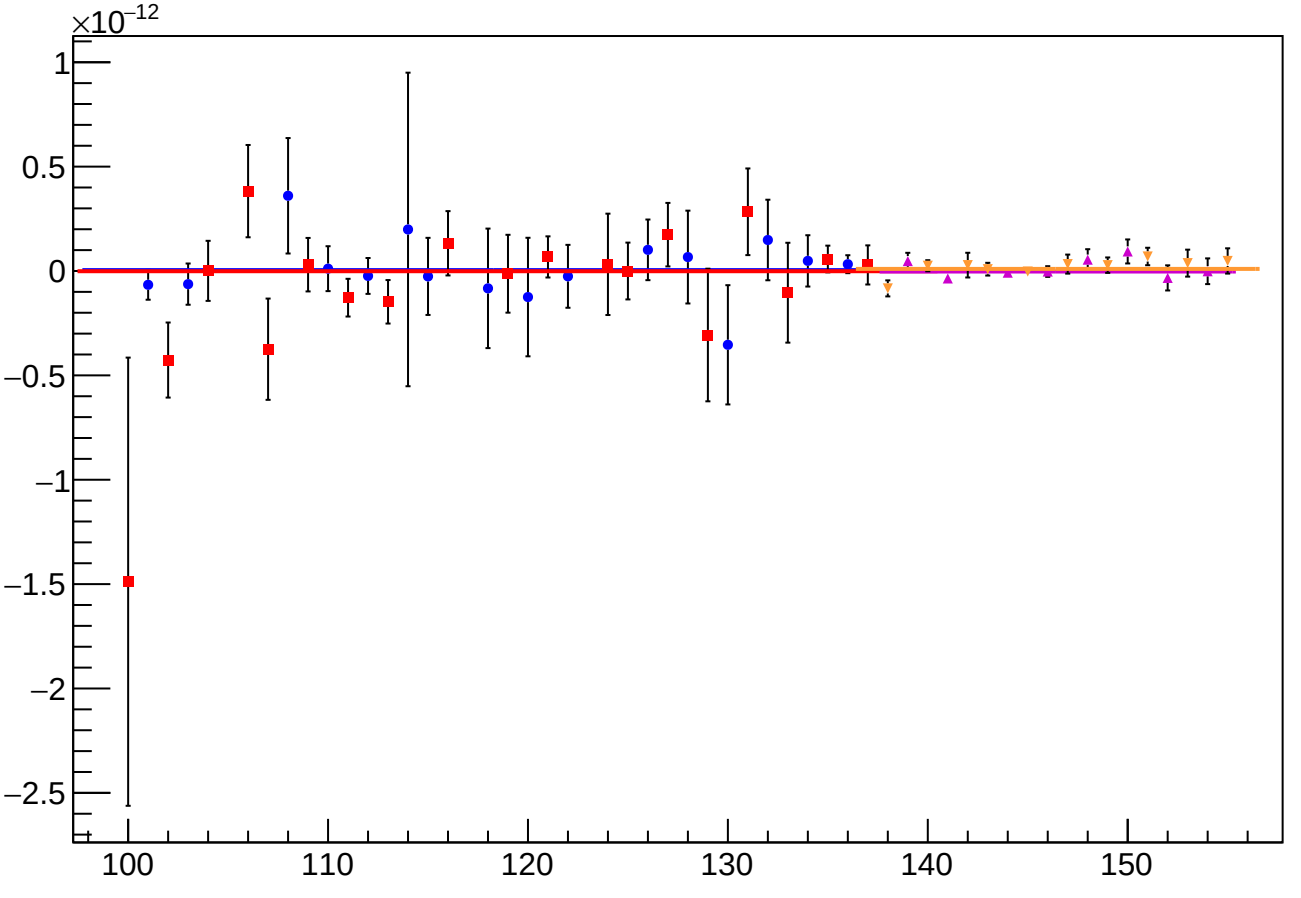
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 870.883+/-0.244 χ^2/NDF:1061572.1/7

+ sign 1105.431+/-0.216 χ^2/NDF: 3576546.5/25

All: 1080.423+/-0.152 χ^2/NDF: 7603856.0/52

- sign 1056.110+/-0.213 χ^2/NDF: 4000856.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/9

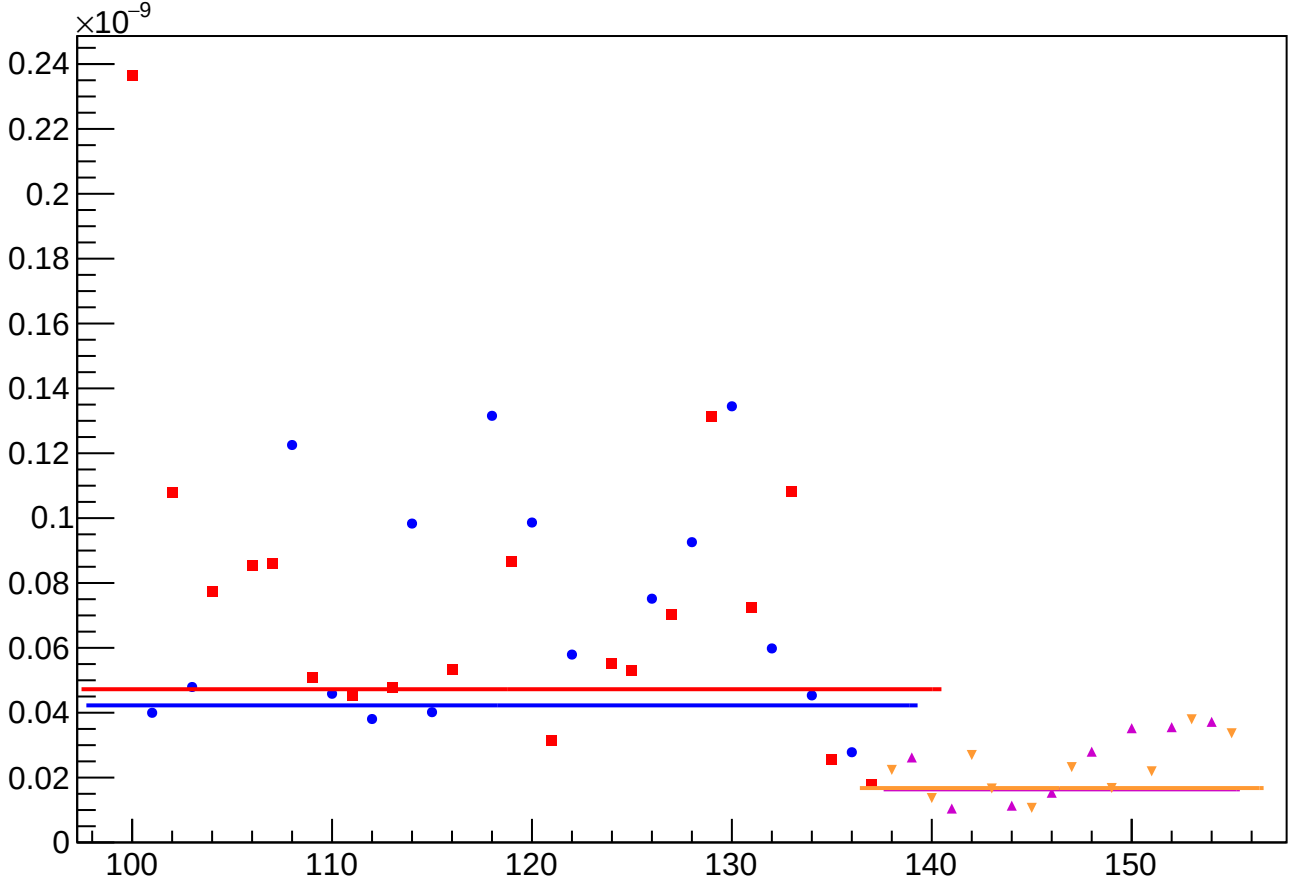
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 16.8/25

All: 0.000+/-0.000 χ^2/NDF: 48.8/52

- sign -0.000+/-0.000 χ^2/NDF: 31.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:789153.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

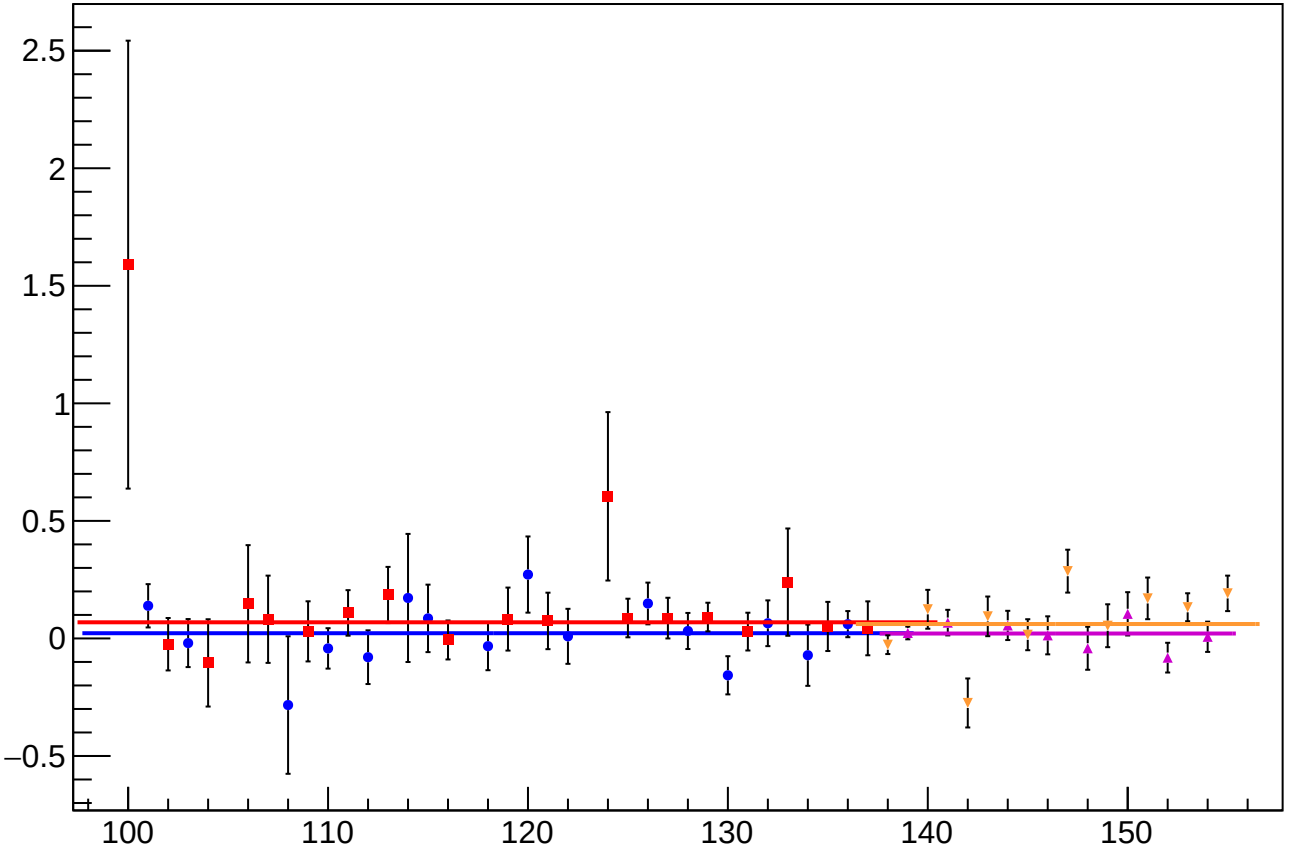
Left In: 0.000+/-0.000 χ^2/NDF:1158909.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 3453376.8/25

All: 0.000+/-0.000 χ^2/NDF: 7857533.2/52

- sign 0.000+/-0.000 χ^2/NDF: 4403711.5/26

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.061+/-0.022 χ^2/NDF:28.5/9

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

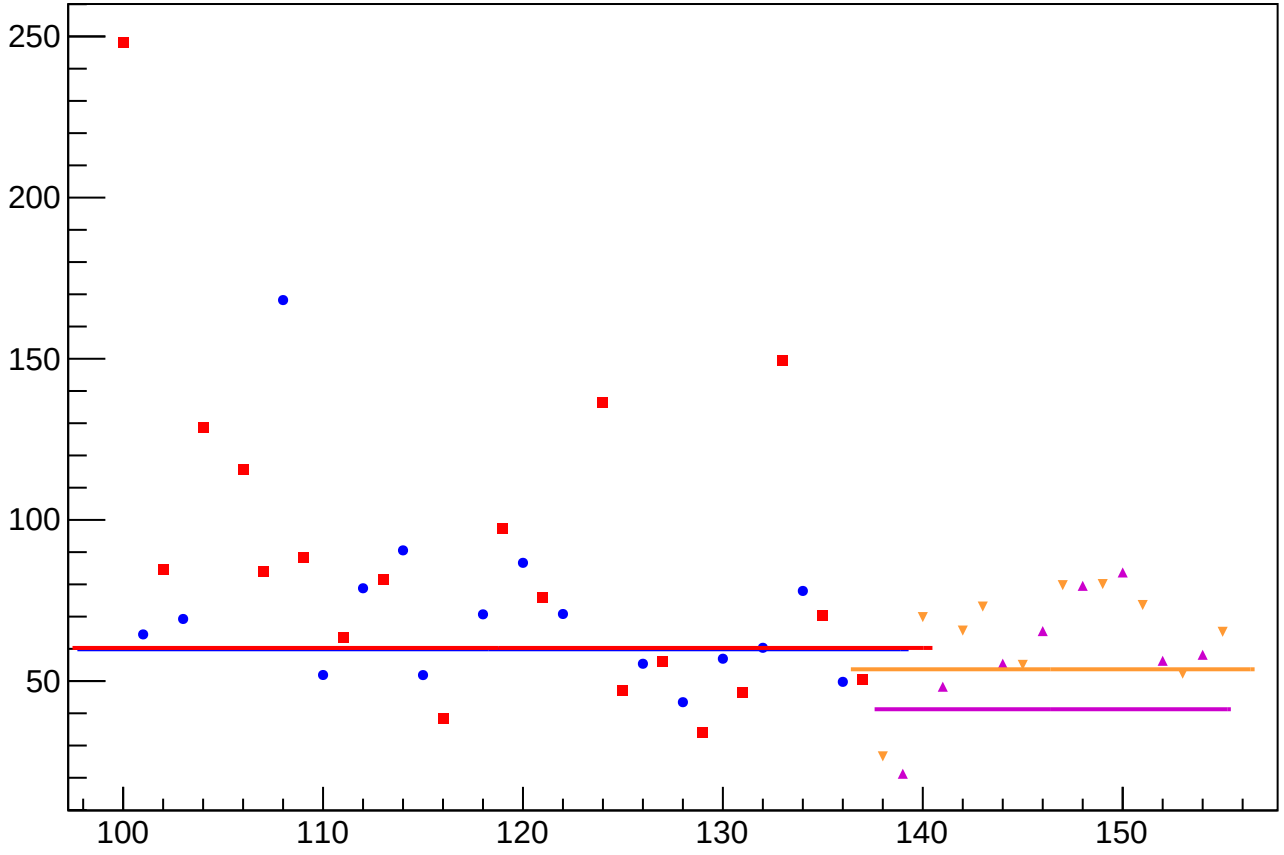
Left In: 0.021+/-0.019 χ^2/NDF:5.0/7

+ sign 0.044+/-0.016 χ^2/NDF: 45.4/25

All: 0.041+/-0.011 χ^2/NDF: 62.4/52

- sign 0.038+/-0.015 χ^2/NDF: 16.9/26

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 53.655+/-0.016 χ^2/NDF:1612200.7/9

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

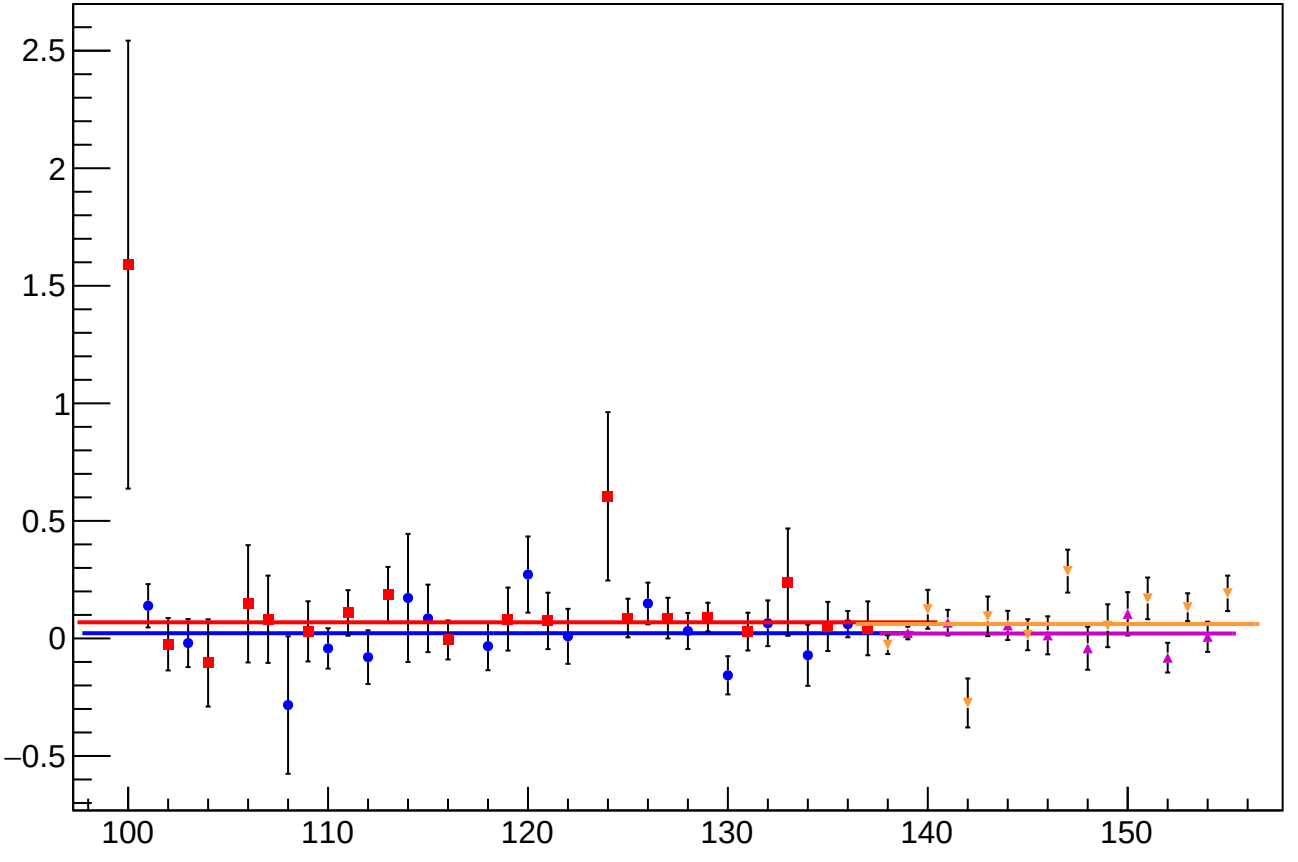
Left In: 41.259+/-0.013 χ^2/NDF:2428819.9/7

+ sign 56.407+/-0.012 χ^2/NDF: 2381775.0/25

All: 51.858+/-0.008 χ^2/NDF: 7800127.1/52

- sign 48.024+/-0.011 χ^2/NDF: 5135539.2/26

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.061+/-0.022 χ^2/NDF:28.5/9

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

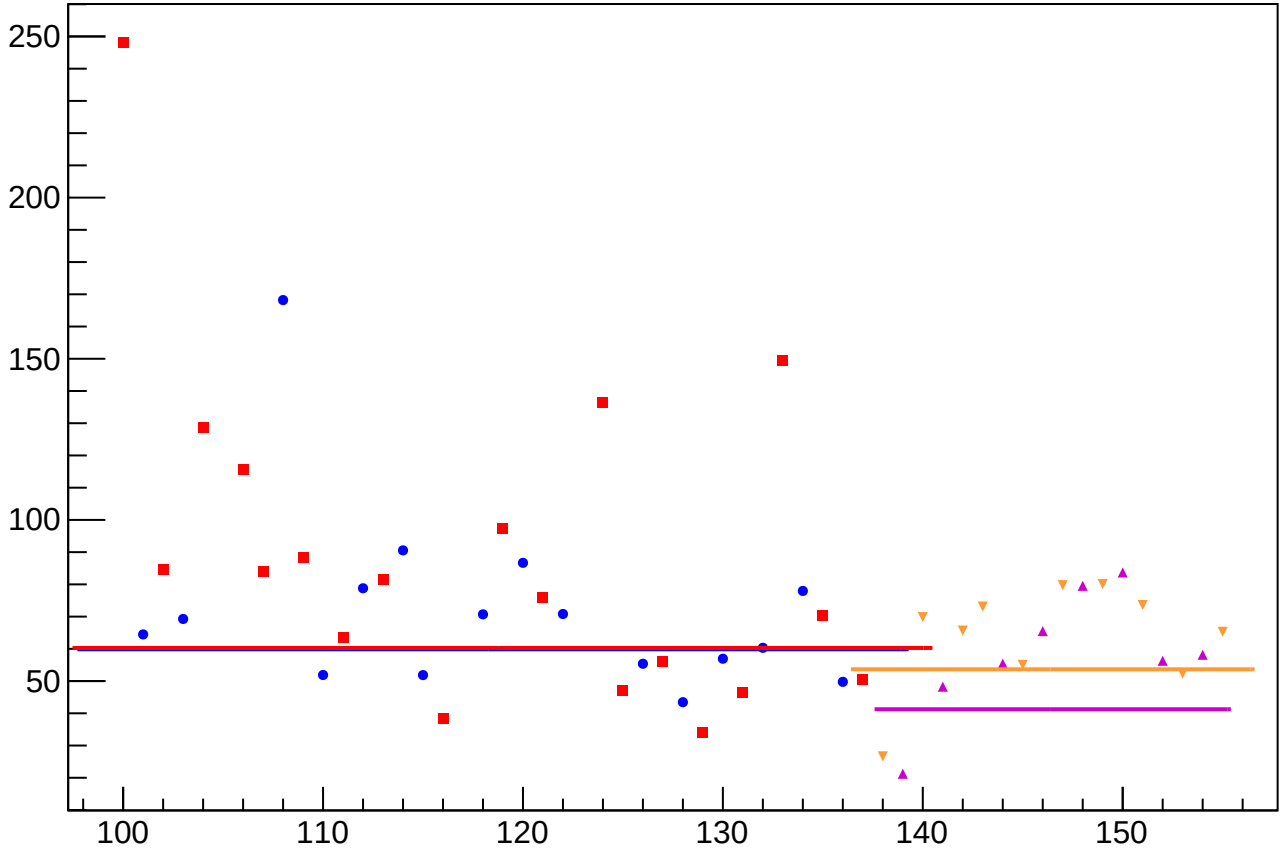
Left In: 0.021+/-0.019 χ^2/NDF:5.0/7

+ sign 0.044+/-0.016 χ^2/NDF: 45.4/25

All: 0.041+/-0.011 χ^2/NDF: 62.4/52

- sign 0.038+/-0.015 χ^2/NDF: 16.9/26

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 53.655+/-0.016 χ^2/NDF:1612200.7/9

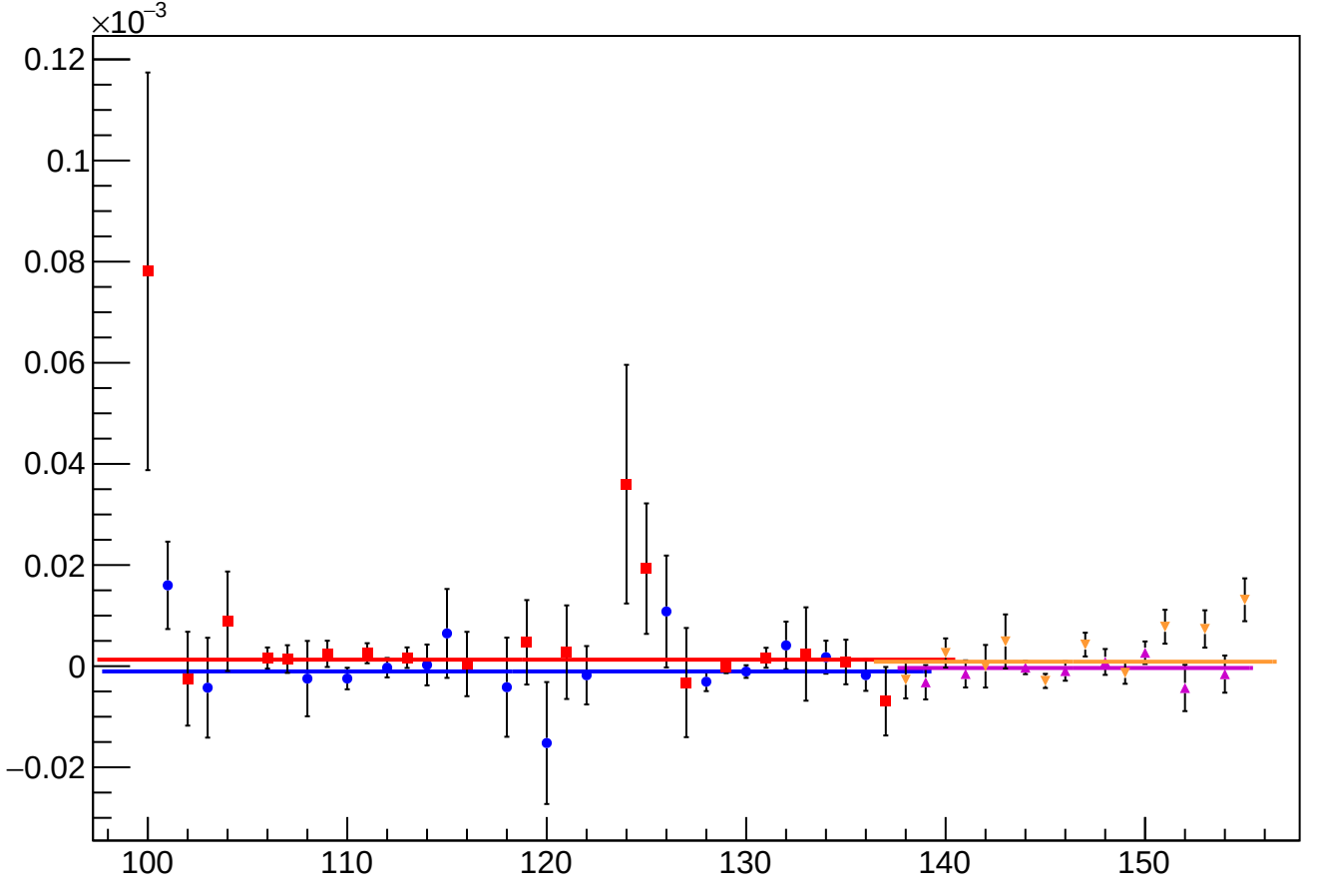
Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 41.259+/-0.013 χ^2/NDF:2428819.9/7

+ sign 56.407+/-0.012 χ^2/NDF: 2381775.0/25

All: 51.858+/-0.008 χ^2/NDF: 7800127.1/52

- sign 48.024+/-0.011 χ^2/NDF: 5135539.2/26



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

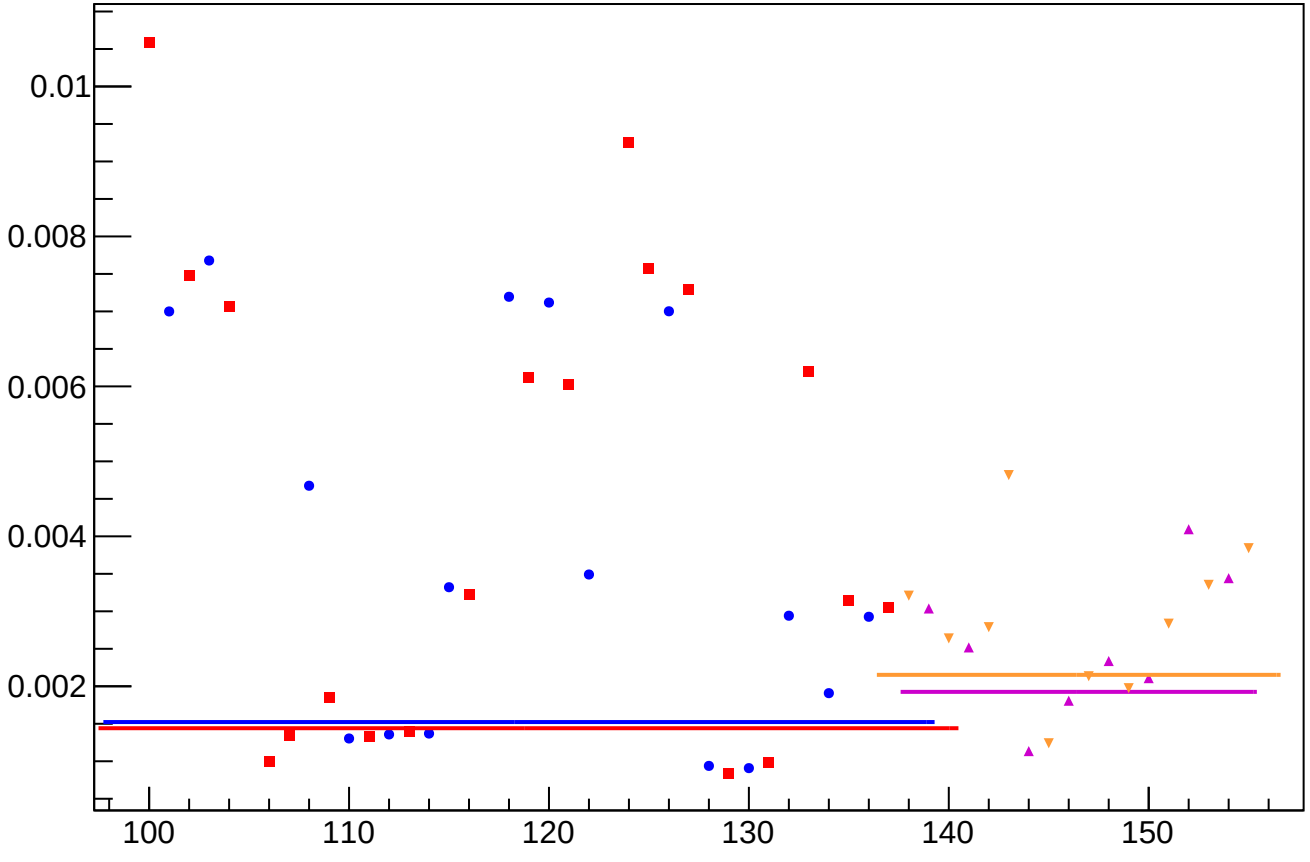
Left In: -0.000+/-0.000 χ^2/NDF:3.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/25

All: 0.000+/-0.000 χ^2/NDF: 62.1/52

- sign 0.000+/-0.000 χ^2/NDF: 18.7/26

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2242829.9/9

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

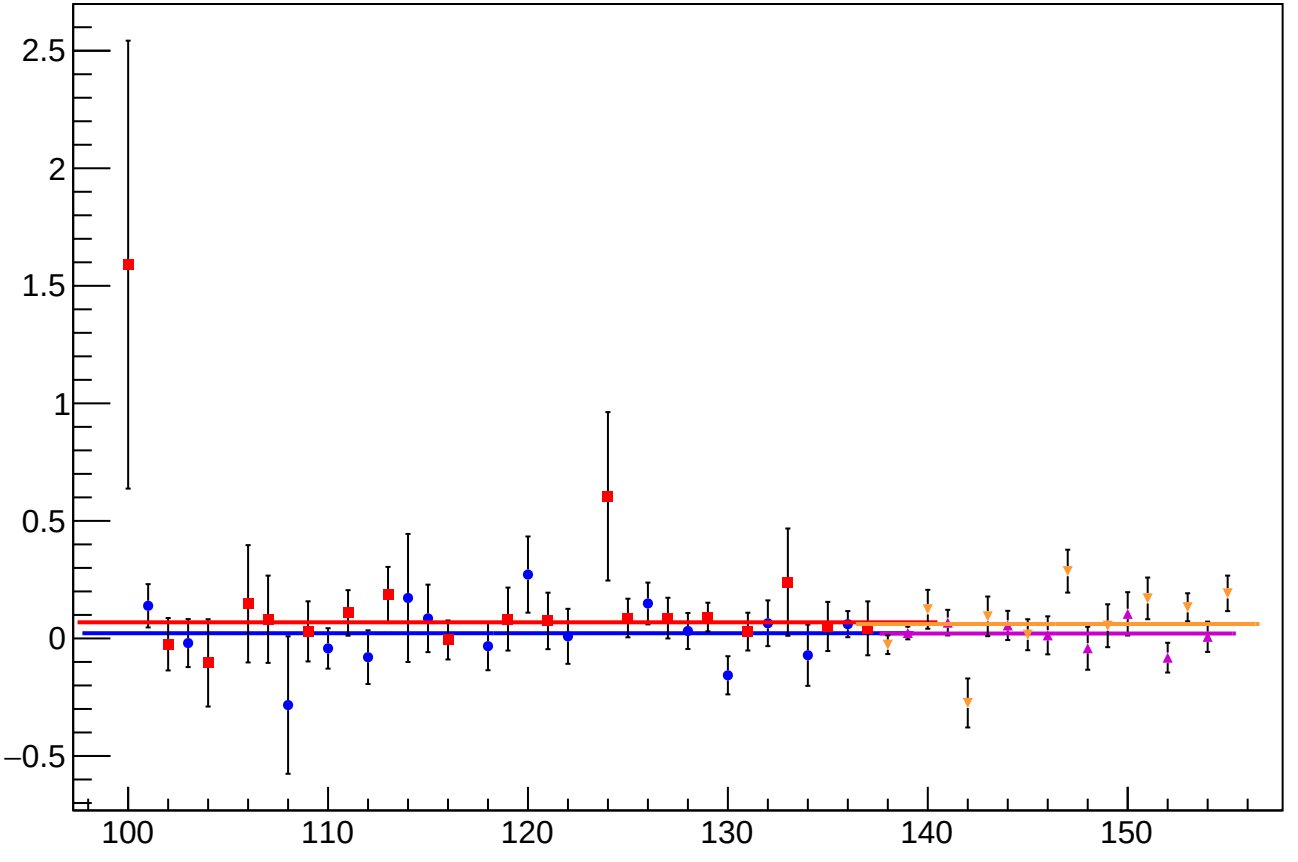
Left In: 0.002+/-0.000 χ^2/NDF:1906328.0/7

+ sign 0.002+/-0.000 χ^2/NDF: 8057813.5/25

All: 0.002+/-0.000 χ^2/NDF: 16242758.3/52

- sign 0.002+/-0.000 χ^2/NDF: 8111472.1/26

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.061+/-0.022 χ^2/NDF:28.5/9

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

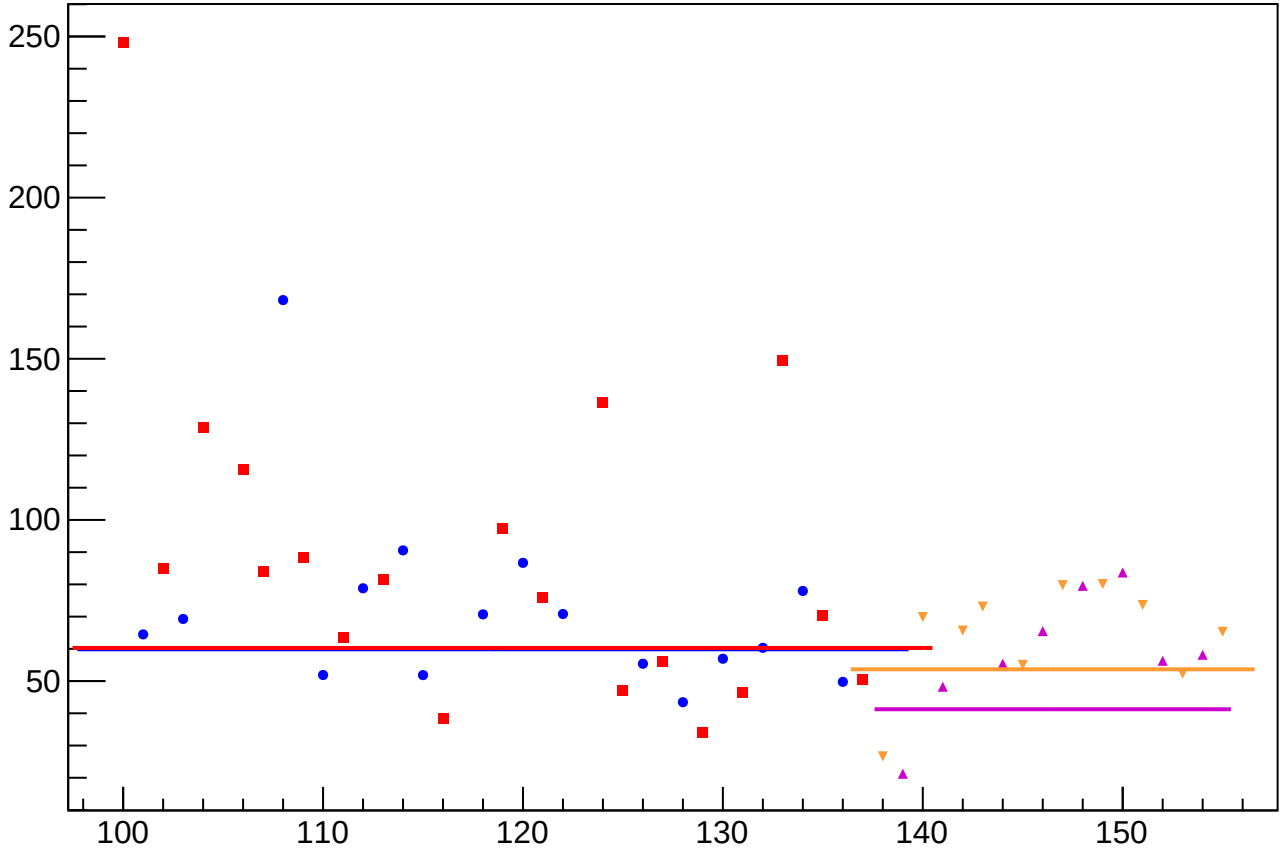
Left In: 0.021+/-0.019 χ^2/NDF:5.0/7

+ sign 0.044+/-0.016 χ^2/NDF: 45.4/25

All: 0.041+/-0.011 χ^2/NDF: 62.4/52

- sign 0.038+/-0.015 χ^2/NDF: 16.9/26

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 53.654+/-0.016 χ^2/NDF:1612557.3/9

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

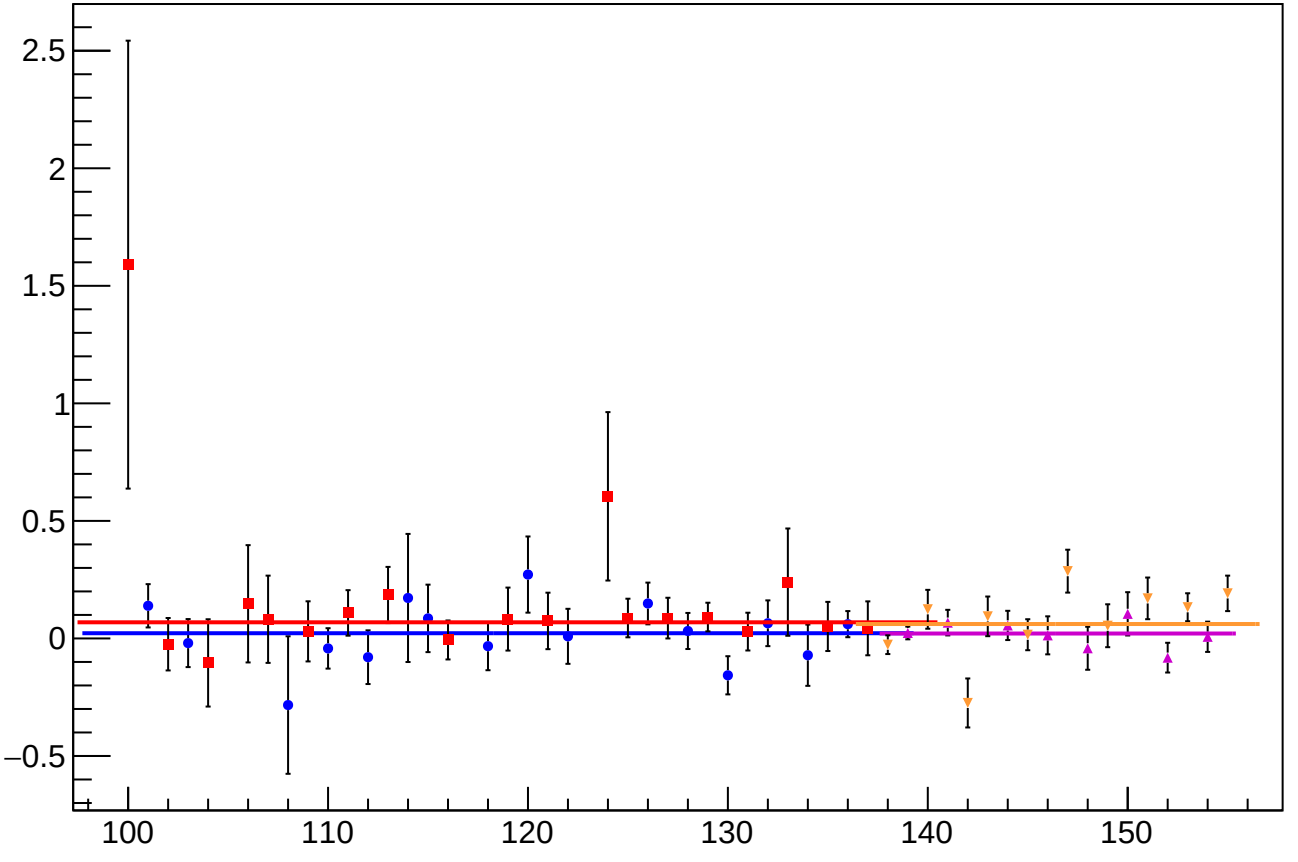
Left In: 41.258+/-0.013 χ^2/NDF:2429175.5/7

+ sign 56.407+/-0.012 χ^2/NDF: 2382213.7/25

All: 51.857+/-0.008 χ^2/NDF: 7801154.5/52

- sign 48.023+/-0.011 χ^2/NDF: 5136082.4/26

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: 0.061+/-0.022 χ^2/NDF:28.5/9

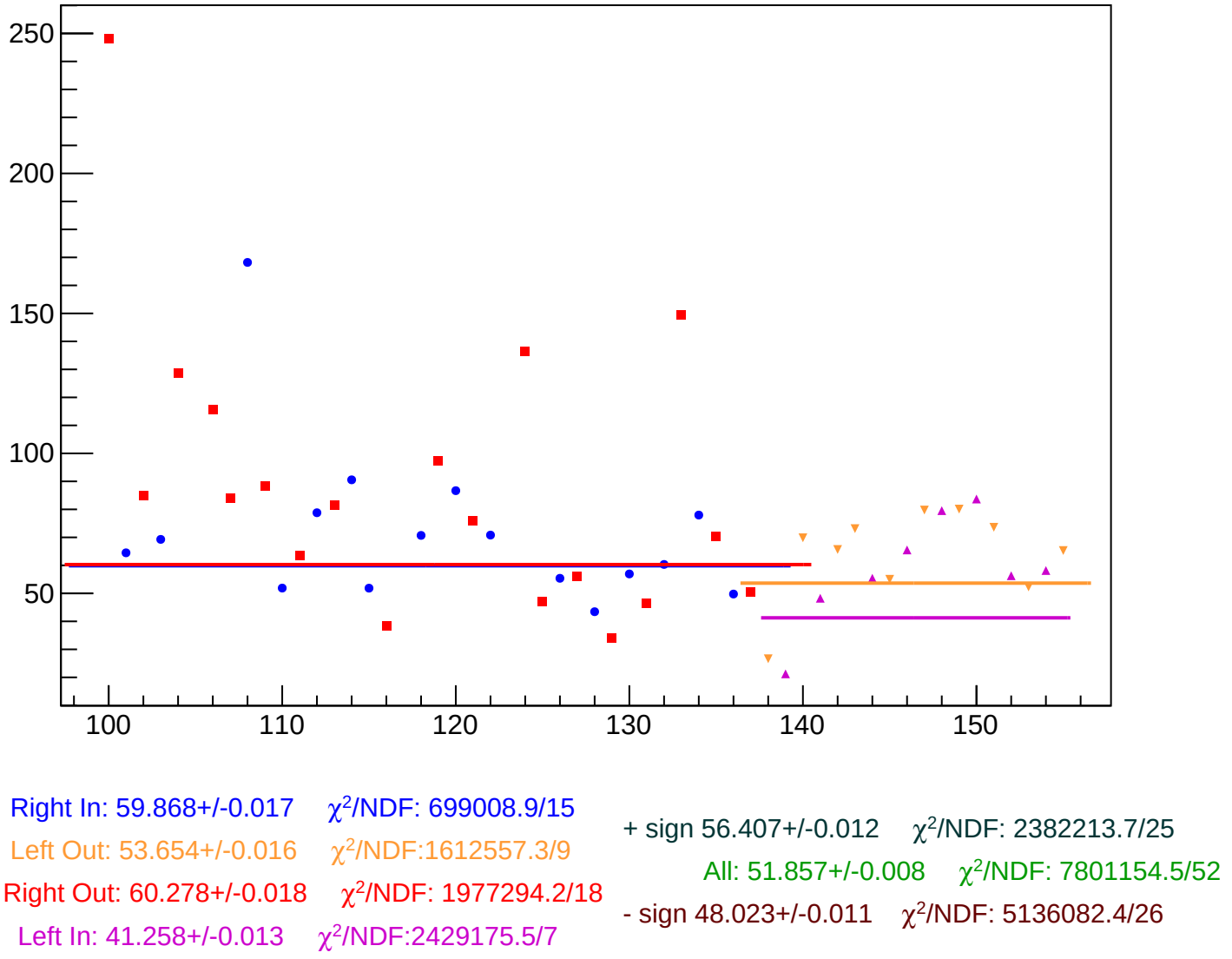
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.021+/-0.019 χ^2/NDF:5.0/7

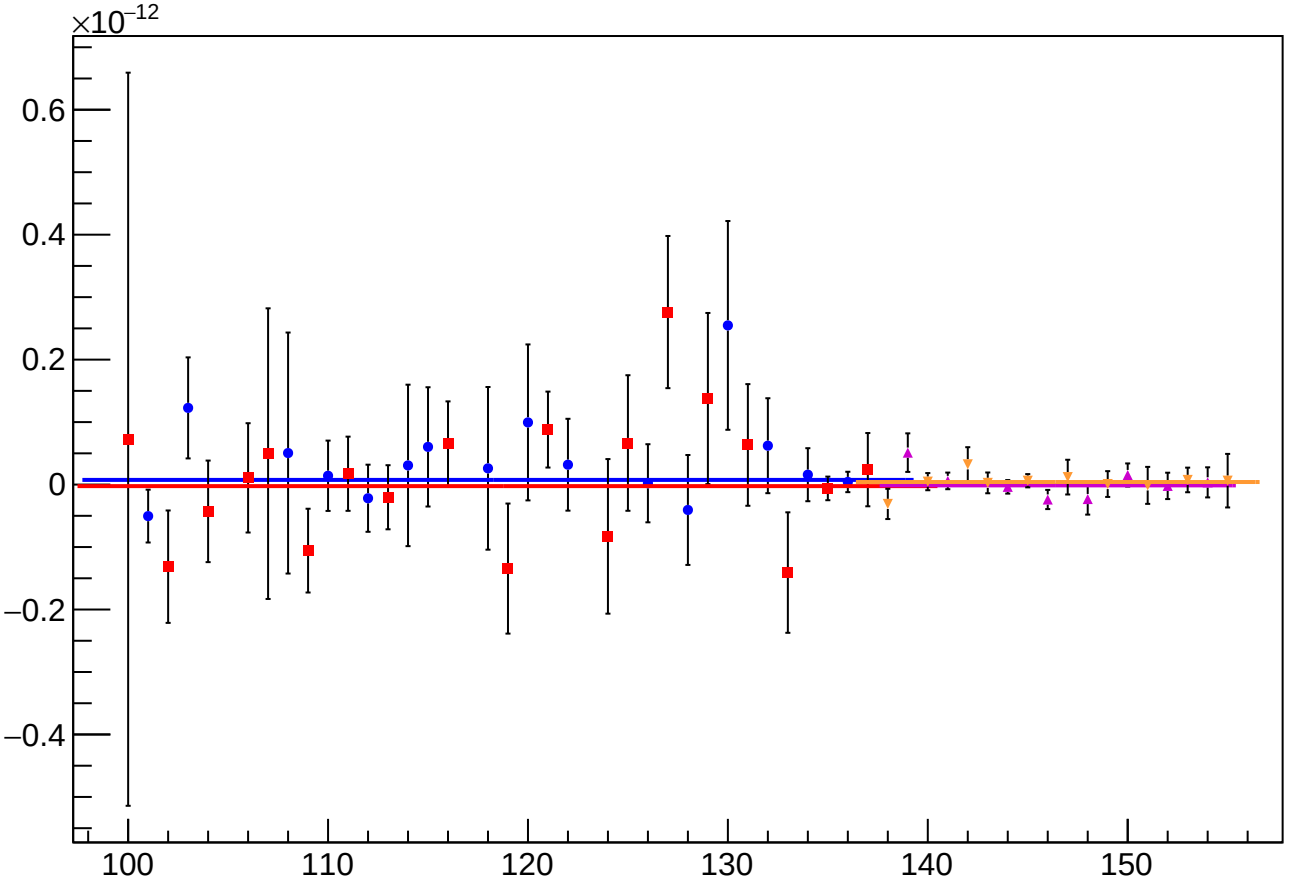
+ sign 0.044+/-0.016 χ^2/NDF: 45.4/25

All: 0.041+/-0.011 χ^2/NDF: 62.4/52

- sign 0.038+/-0.015 χ^2/NDF: 16.9/26


asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug
250
200
150
100
50
100
110
120
130
140
150
Right In: 59.868+/-0.017 χ²/NDF: 699008.9/15
Left Out: 53.654+/-0.016 χ²/NDF:1612557.3/9
Right Out: 60.278+/-0.018 χ²/NDF: 1977294.2/18
Left In: 41.258+/-0.013 χ²/NDF:2429175.5/7
+ sign 56.407+/-0.012 χ²/NDF: 2382213.7/25
All: 51.857+/-0.008 χ²/NDF: 7801154.5/52
- sign 48.023+/-0.011 χ²/NDF: 5136082.4/26

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

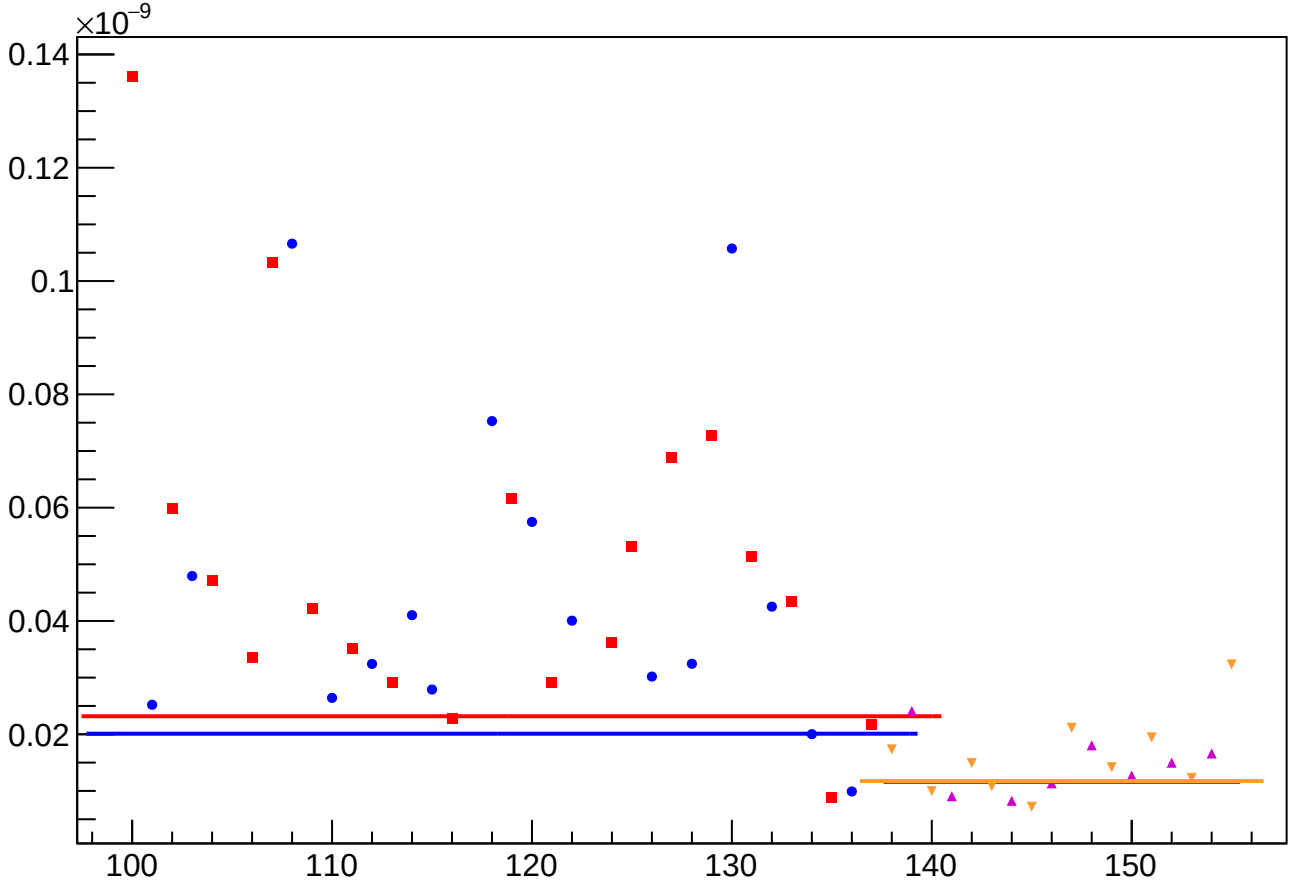
Left In: -0.000+/-0.000 χ^2/NDF:7.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 11.8/25

All: 0.000+/-0.000 χ^2/NDF: 39.2/52

- sign -0.000+/-0.000 χ^2/NDF: 26.7/26

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1392498.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

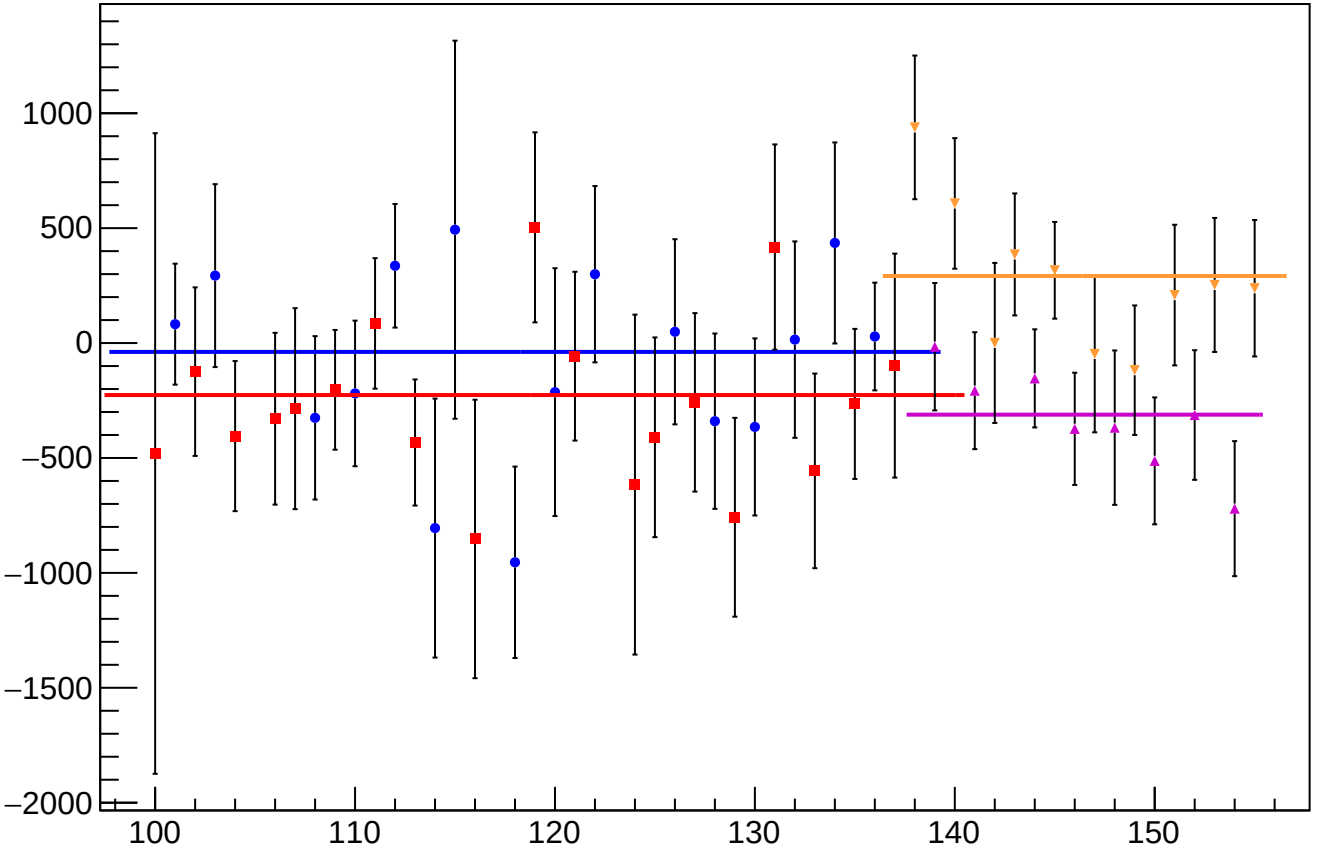
Left In: 0.000+/-0.000 χ^2/NDF:870804.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 5280240.3/25

All: 0.000+/-0.000 χ^2/NDF: 10914571.8/52

- sign 0.000+/-0.000 χ^2/NDF: 5633714.1/26

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 291.719+/-90.301 χ^2/NDF:9.6/9

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

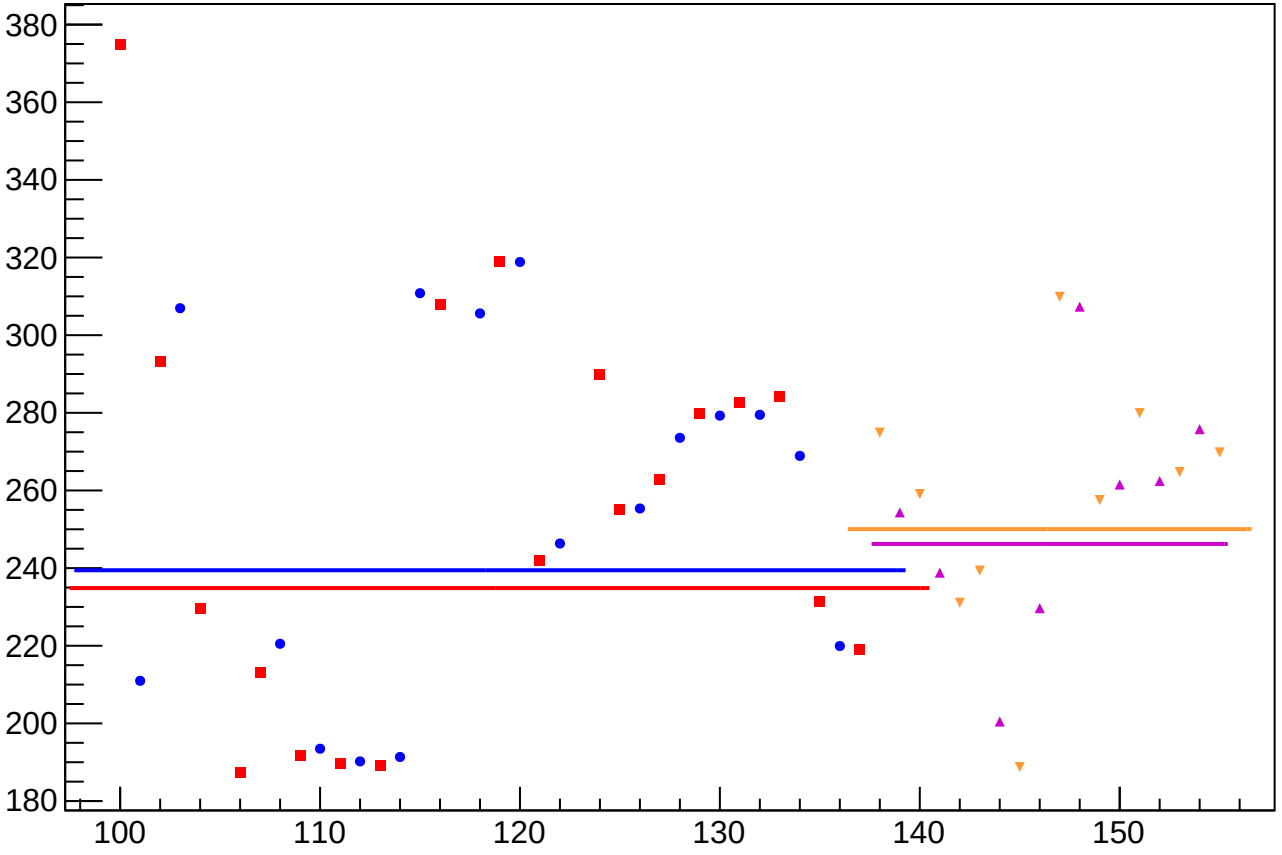
Left In: -311.568+/-93.941 χ^2/NDF:4.4/7

+ sign 127.189+/-63.965 χ^2/NDF: 30.7/25

All: -68.741+/-45.308 χ^2/NDF: 65.8/52

- sign -266.038+/-64.187 χ^2/NDF: 16.3/26

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 250.044+/-0.064 χ^2/NDF:289500.6/9

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

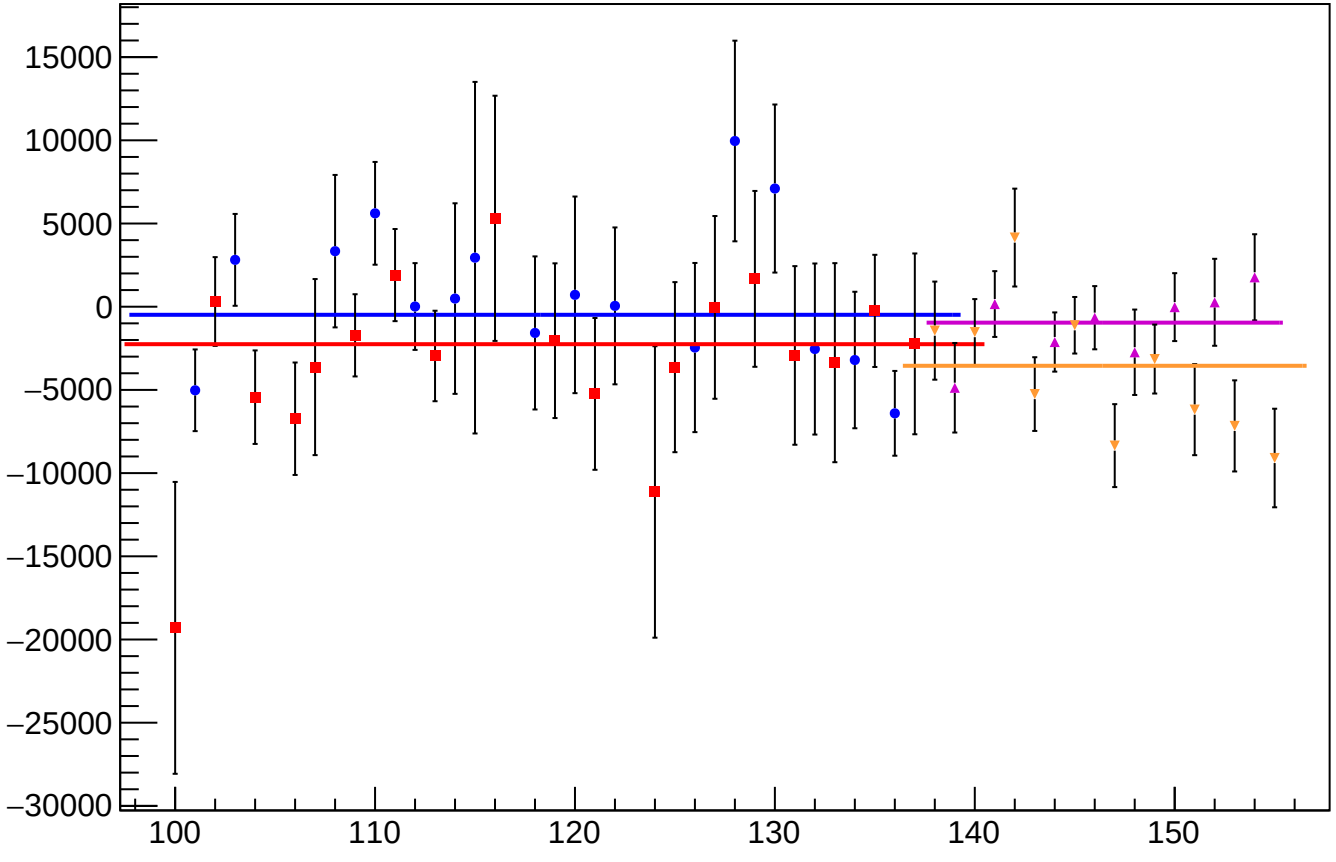
Left In: 246.224+/-0.066 χ^2/NDF:203614.0/7

+ sign 244.765+/-0.045 χ^2/NDF: 704174.7/25

All: 242.472+/-0.032 χ^2/NDF: 1410282.0/52

- sign 240.162+/-0.045 χ^2/NDF: 700947.4/26

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3550.226+/-743.412 χ^2/NDF:21.0/9

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

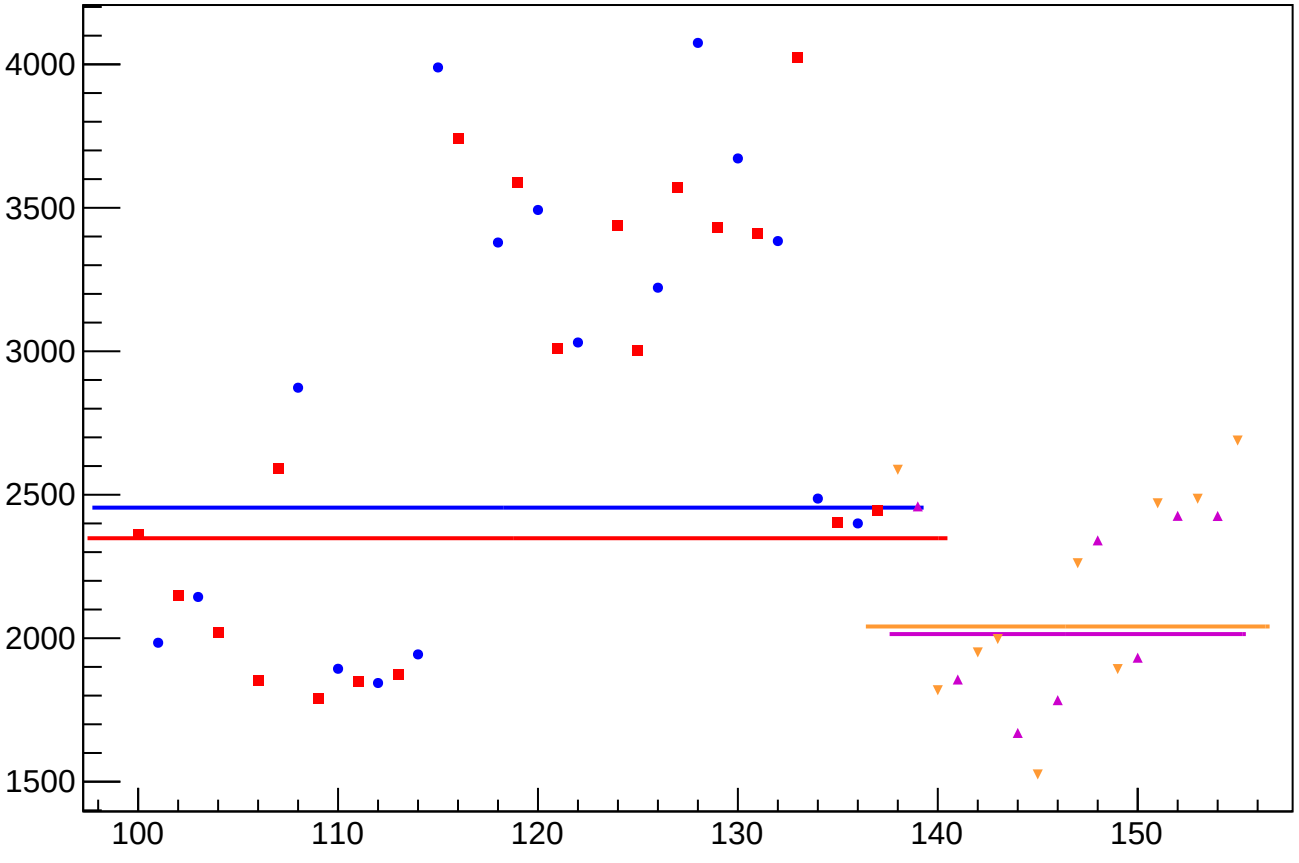
Left In: -957.713+/-772.773 χ^2/NDF:4.9/7

+ sign -2382.557+/-584.864 χ^2/NDF: 48.6/25

All: -1946.667+/-413.496 χ^2/NDF: 69.7/52

- sign -1511.052+/-584.680 χ^2/NDF: 20.0/26

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2040.841+/-0.526 χ^2/NDF:504206.8/9

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

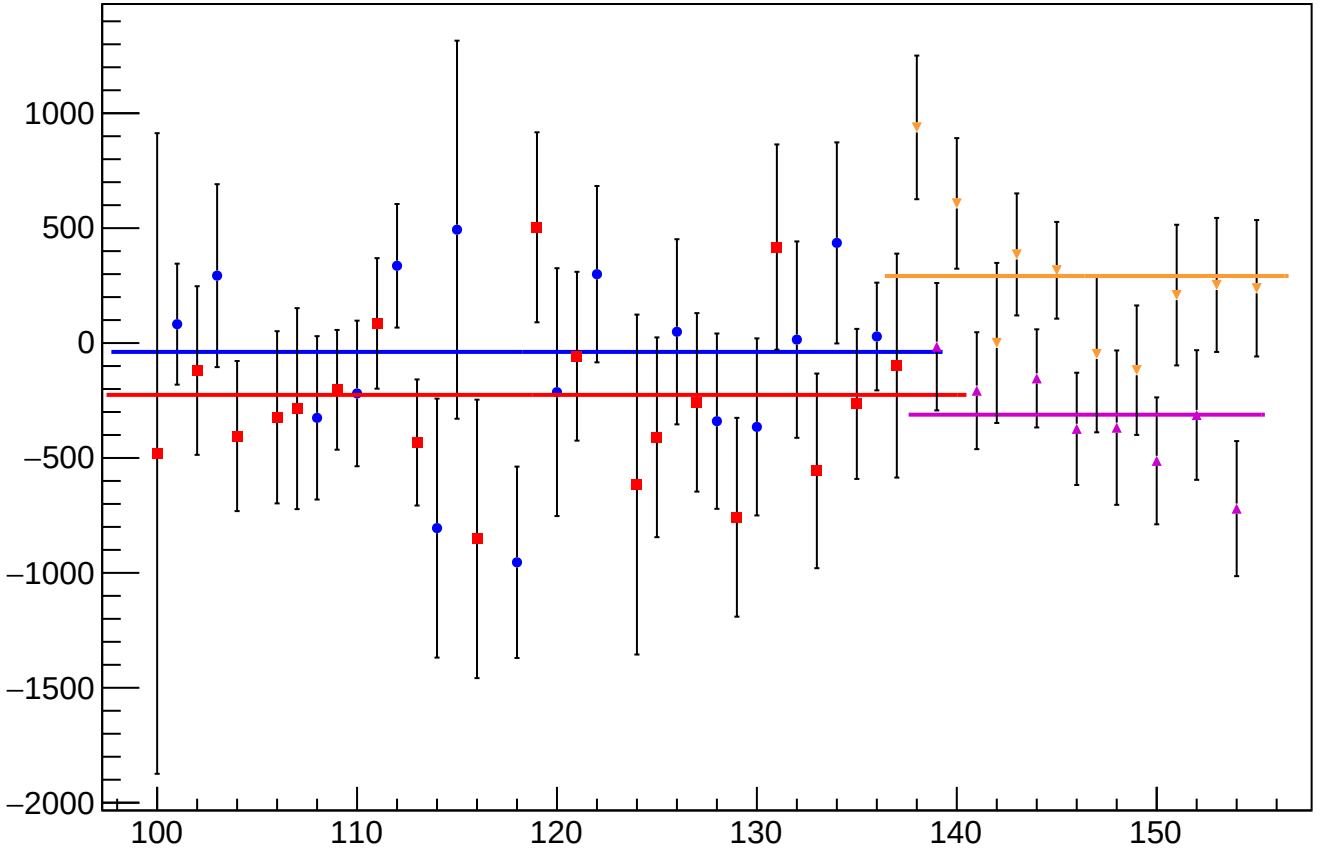
Left In: 2014.415+/-0.546 χ^2/NDF:307865.5/7

+ sign 2198.698+/-0.414 χ^2/NDF: 1635248.2/25

All: 2177.959+/-0.292 χ^2/NDF: 3160333.2/52

- sign 2157.233+/-0.413 χ^2/NDF: 1520056.9/26

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 291.738+/-90.301 χ^2/NDF:9.6/9

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

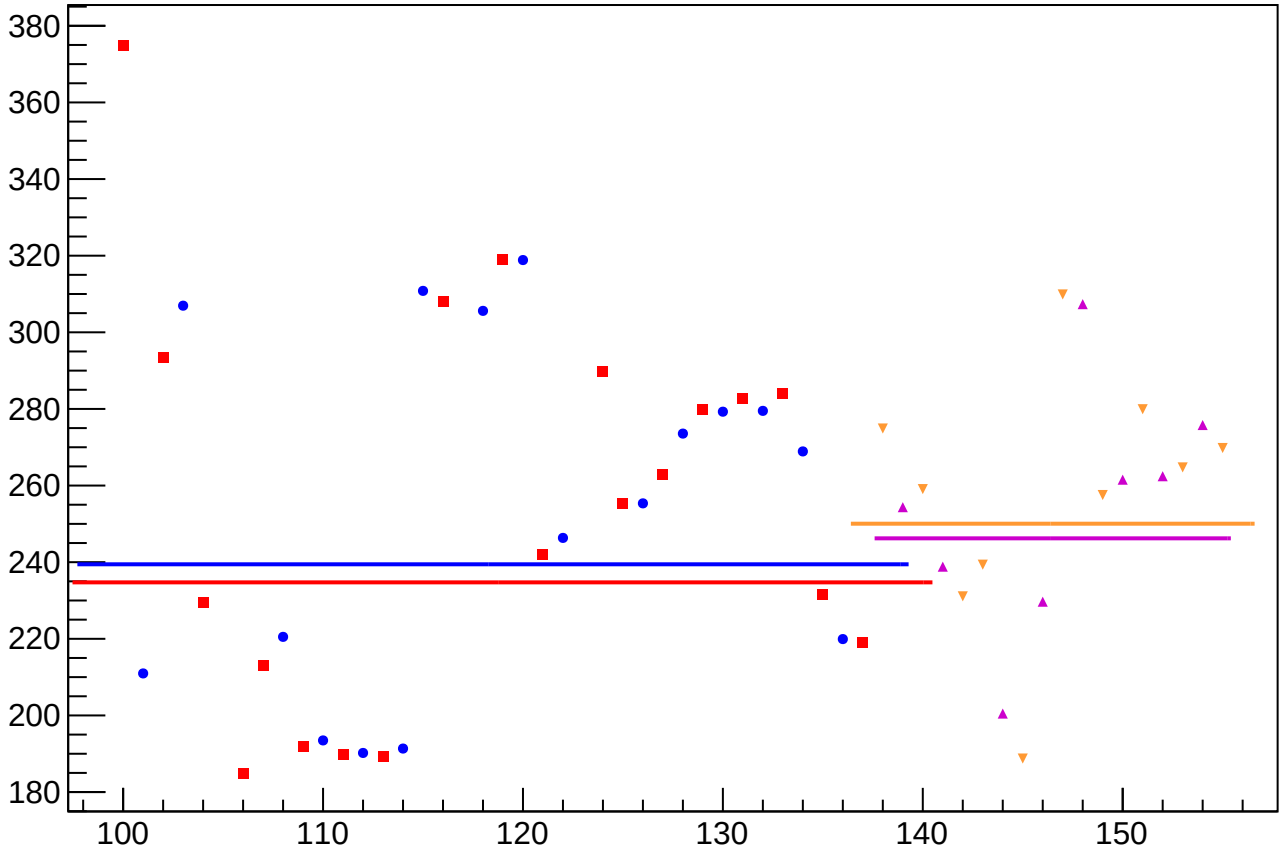
Left In: -311.569+/-93.941 χ^2/NDF:4.4/7

+ sign 127.188+/-63.965 χ^2/NDF: 30.7/25

All: -68.556+/-45.310 χ^2/NDF: 65.8/52

- sign -265.697+/-64.192 χ^2/NDF: 16.3/26

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 250.044+/-0.064 χ^2/NDF:289500.6/9

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

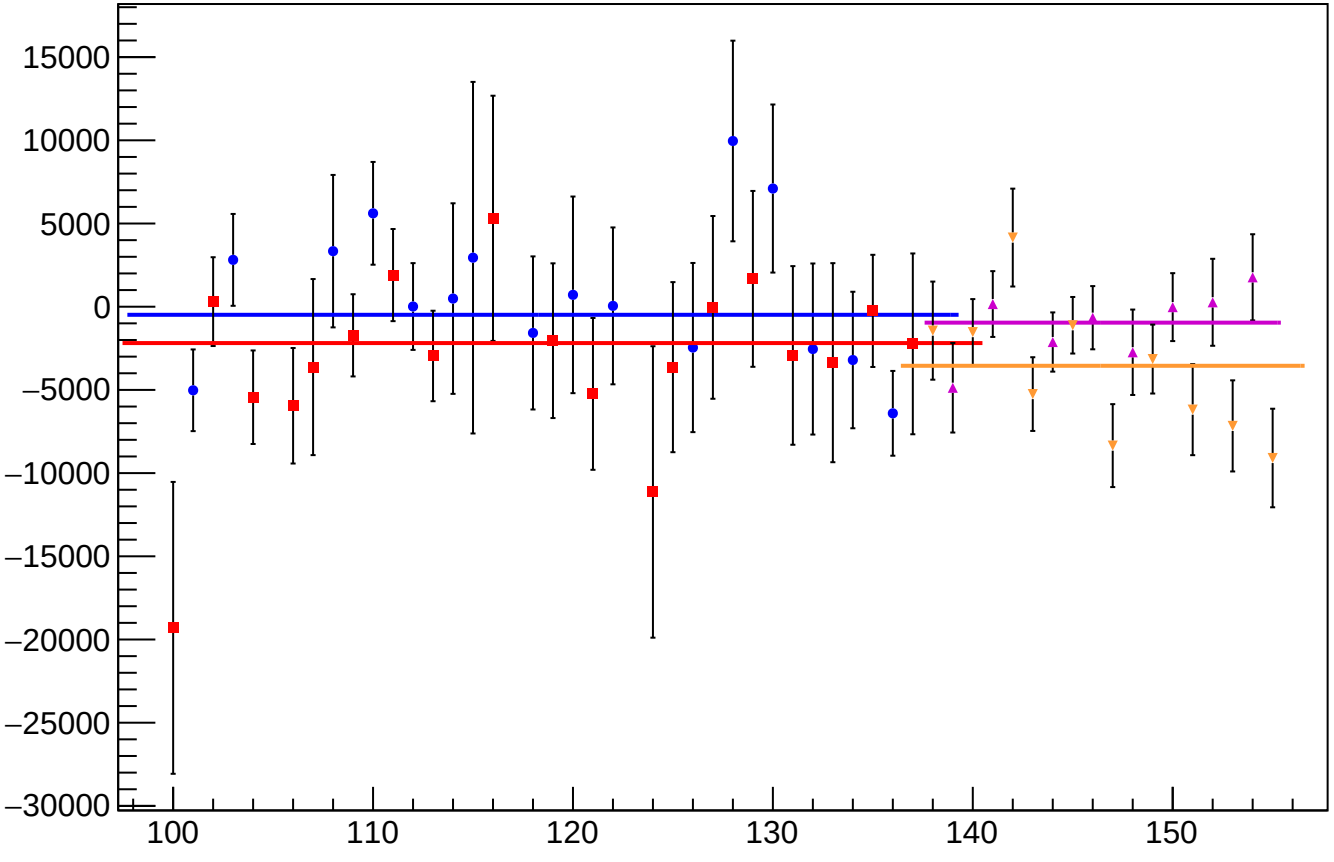
Left In: 246.224+/-0.066 χ^2/NDF:203614.1/7

+ sign 244.765+/-0.045 χ^2/NDF: 704176.9/25

All: 242.440+/-0.032 χ^2/NDF: 1414285.3/52

- sign 240.098+/-0.045 χ^2/NDF: 704804.4/26

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3550.210+/-743.412 χ^2/NDF:21.0/9

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

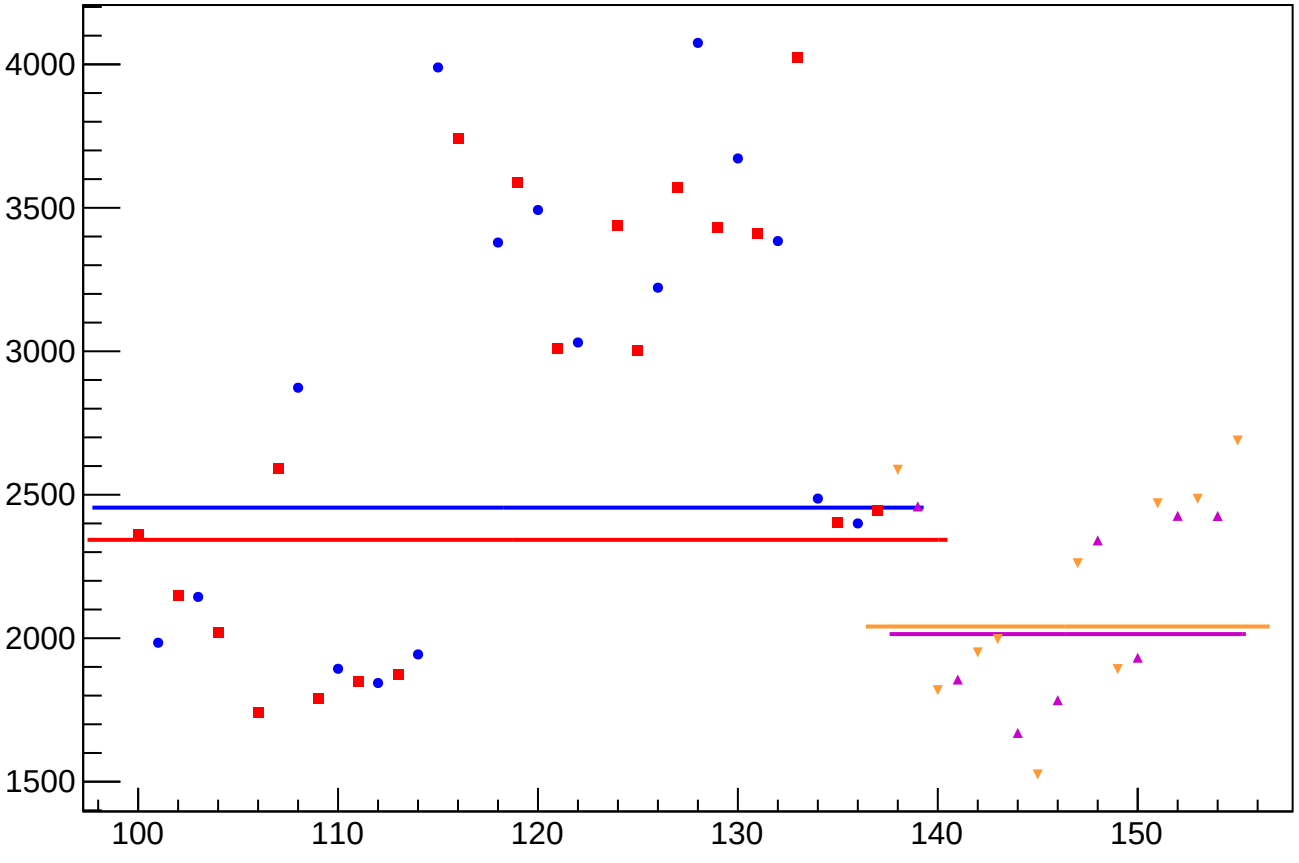
Left In: -957.728+/-772.773 χ^2/NDF:4.9/7

+ sign -2382.626+/-584.866 χ^2/NDF: 48.6/25

All: -1932.159+/-413.664 χ^2/NDF: 69.0/52

- sign -1481.252+/-585.152 χ^2/NDF: 19.2/26

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2040.841+/-0.526 χ^2/NDF:504209.4/9

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

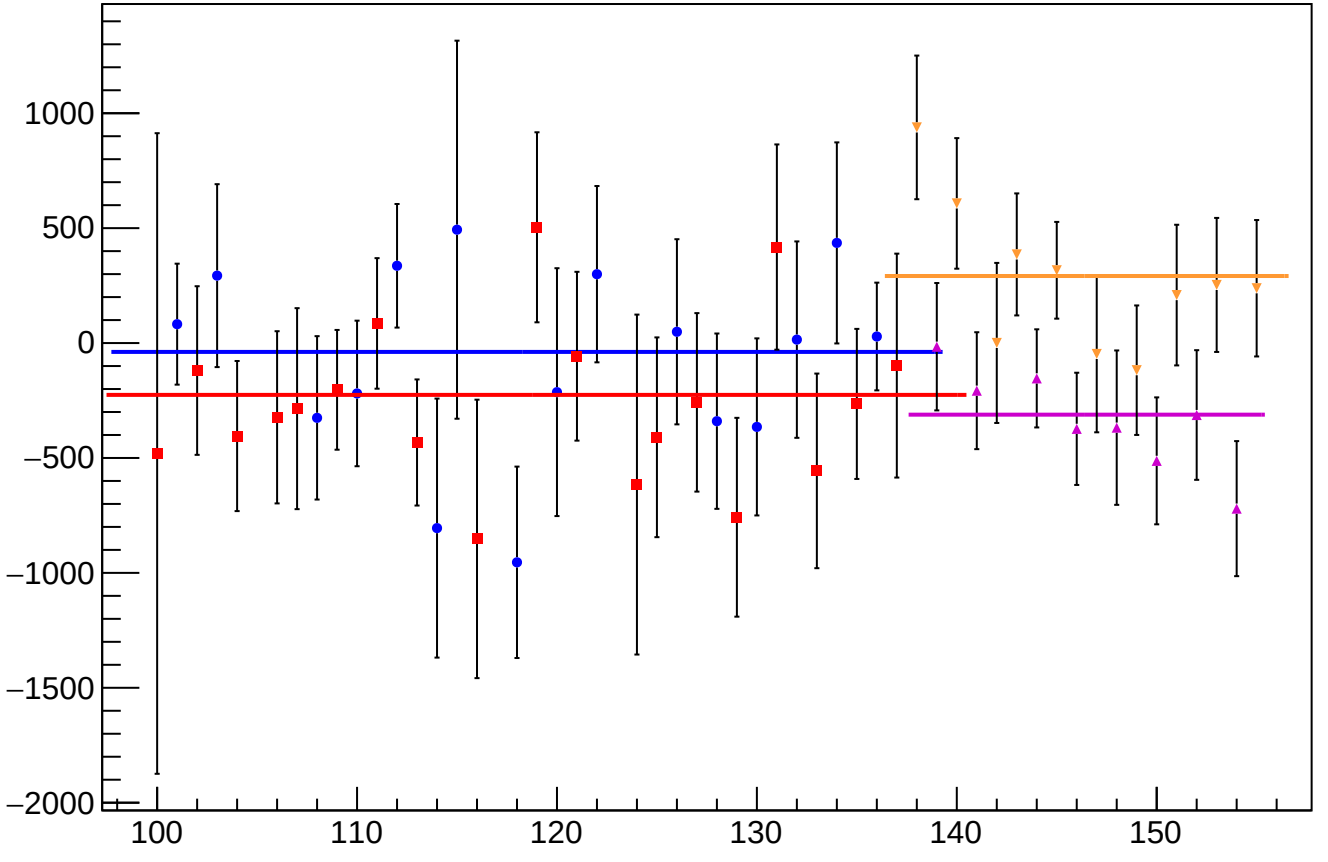
Left In: 2014.416+/-0.546 χ^2/NDF:307863.6/7

+ sign 2198.706+/-0.414 χ^2/NDF: 1635245.3/25

All: 2176.654+/-0.293 χ^2/NDF: 3173410.5/52

- sign 2154.582+/-0.414 χ^2/NDF: 1532476.4/26

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 291.738+/-90.301 χ^2/NDF:9.6/9

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

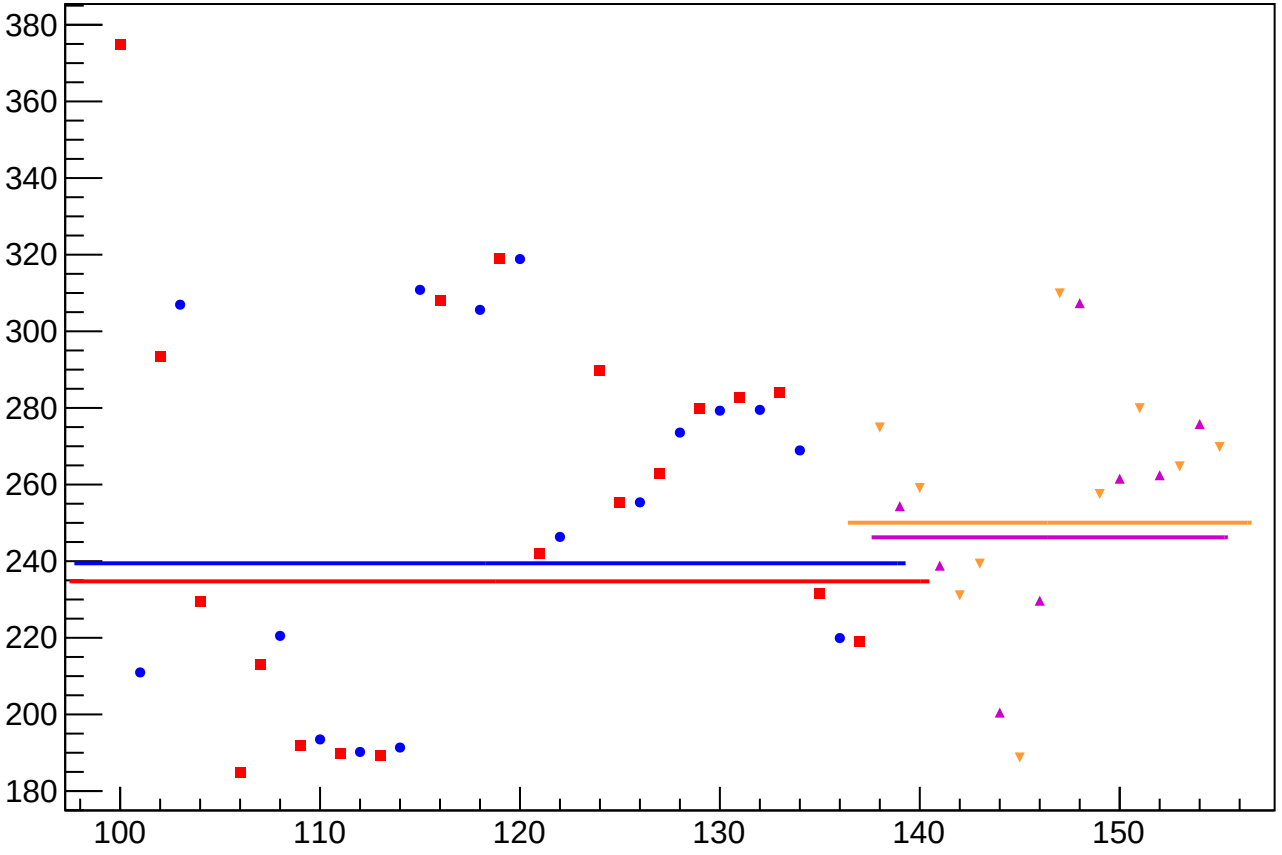
Left In: -311.569+/-93.941 χ^2/NDF:4.4/7

+ sign 127.188+/-63.965 χ^2/NDF: 30.7/25

All: -68.556+/-45.310 χ^2/NDF: 65.8/52

- sign -265.697+/-64.192 χ^2/NDF: 16.3/26

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 250.044+/-0.064 χ^2/NDF:289500.6/9

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

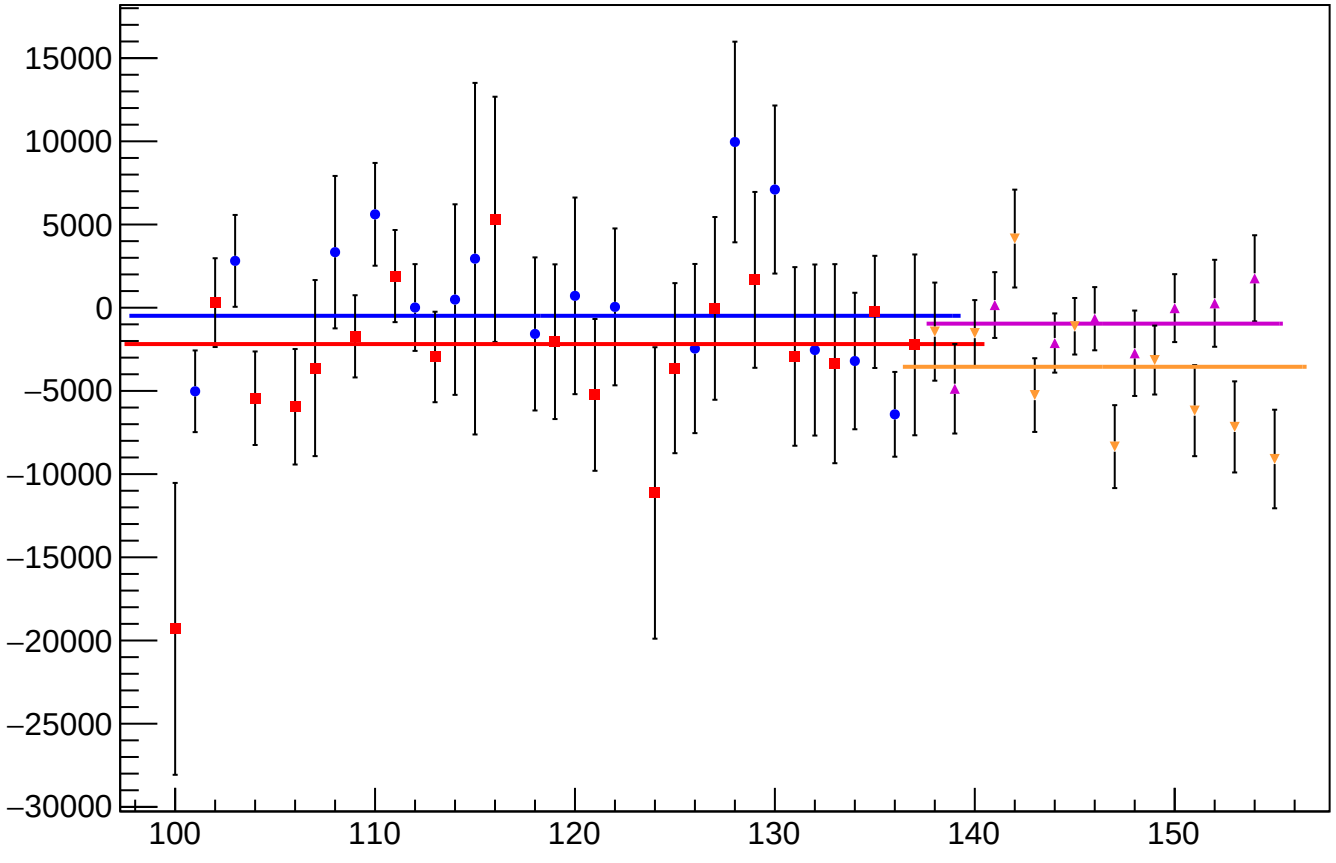
Left In: 246.224+/-0.066 χ^2/NDF:203614.1/7

+ sign 244.765+/-0.045 χ^2/NDF: 704176.9/25

All: 242.440+/-0.032 χ^2/NDF: 1414285.3/52

- sign 240.098+/-0.045 χ^2/NDF: 704804.4/26

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3550.210+/-743.412 χ^2/NDF:21.0/9

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

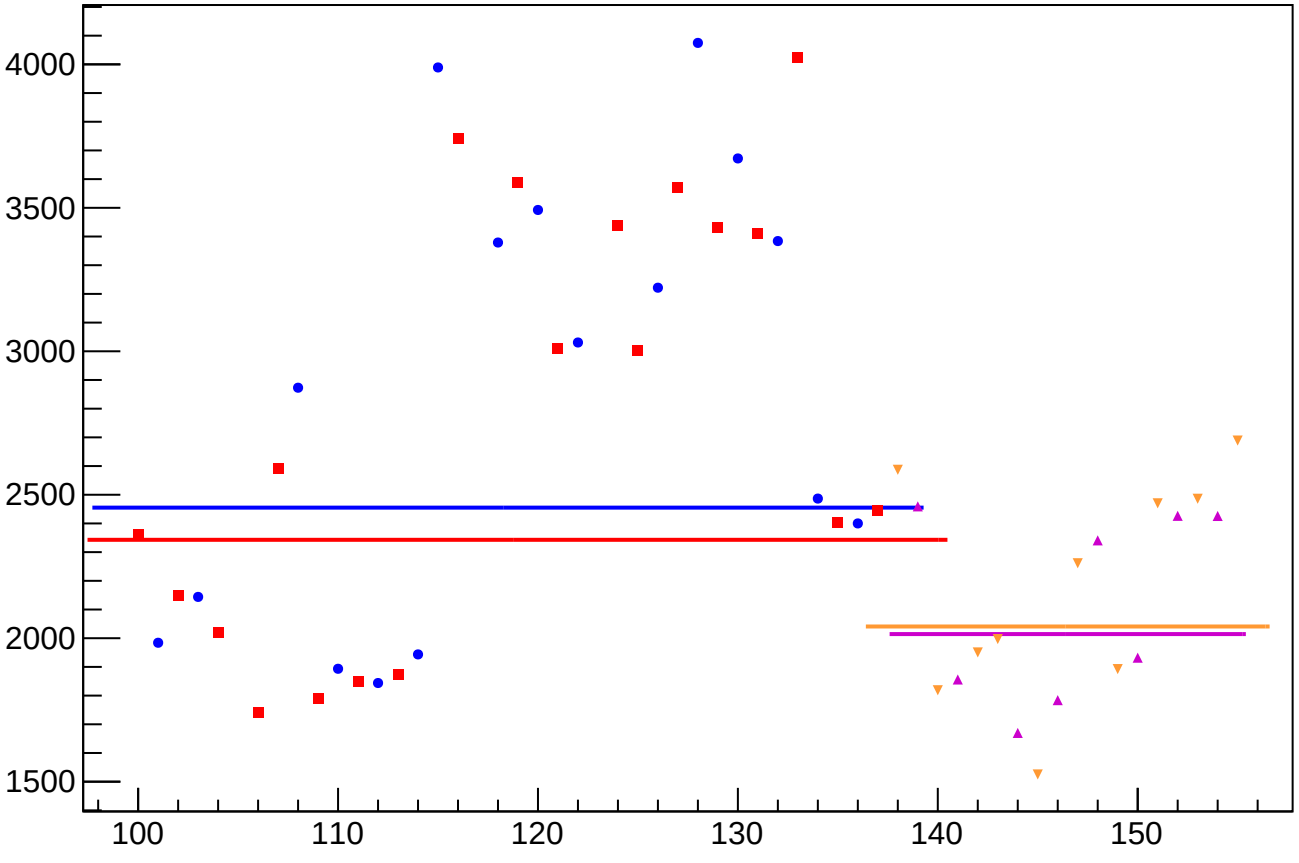
Left In: -957.728+/-772.773 χ^2/NDF:4.9/7

+ sign -2382.626+/-584.866 χ^2/NDF: 48.6/25

All: -1932.159+/-413.664 χ^2/NDF: 69.0/52

- sign -1481.252+/-585.152 χ^2/NDF: 19.2/26

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2040.841+/-0.526 χ^2/NDF:504209.4/9

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

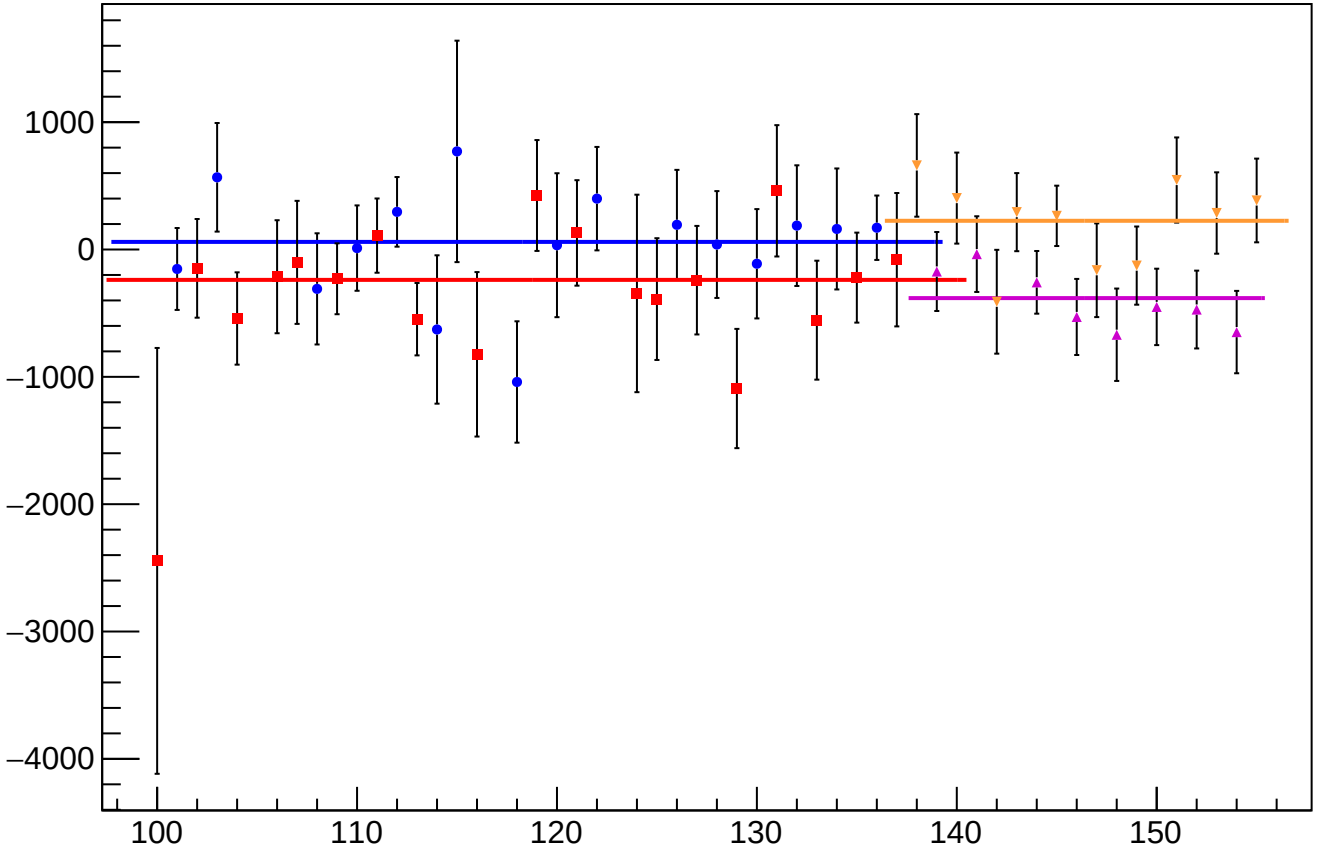
Left In: 2014.416+/-0.546 χ^2/NDF:307863.6/7

+ sign 2198.706+/-0.414 χ^2/NDF: 1635245.3/25

All: 2176.654+/-0.293 χ^2/NDF: 3173410.5/52

- sign 2154.582+/-0.414 χ^2/NDF: 1532476.4/26

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 225.508+/-102.900 χ^2/NDF:7.5/9

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

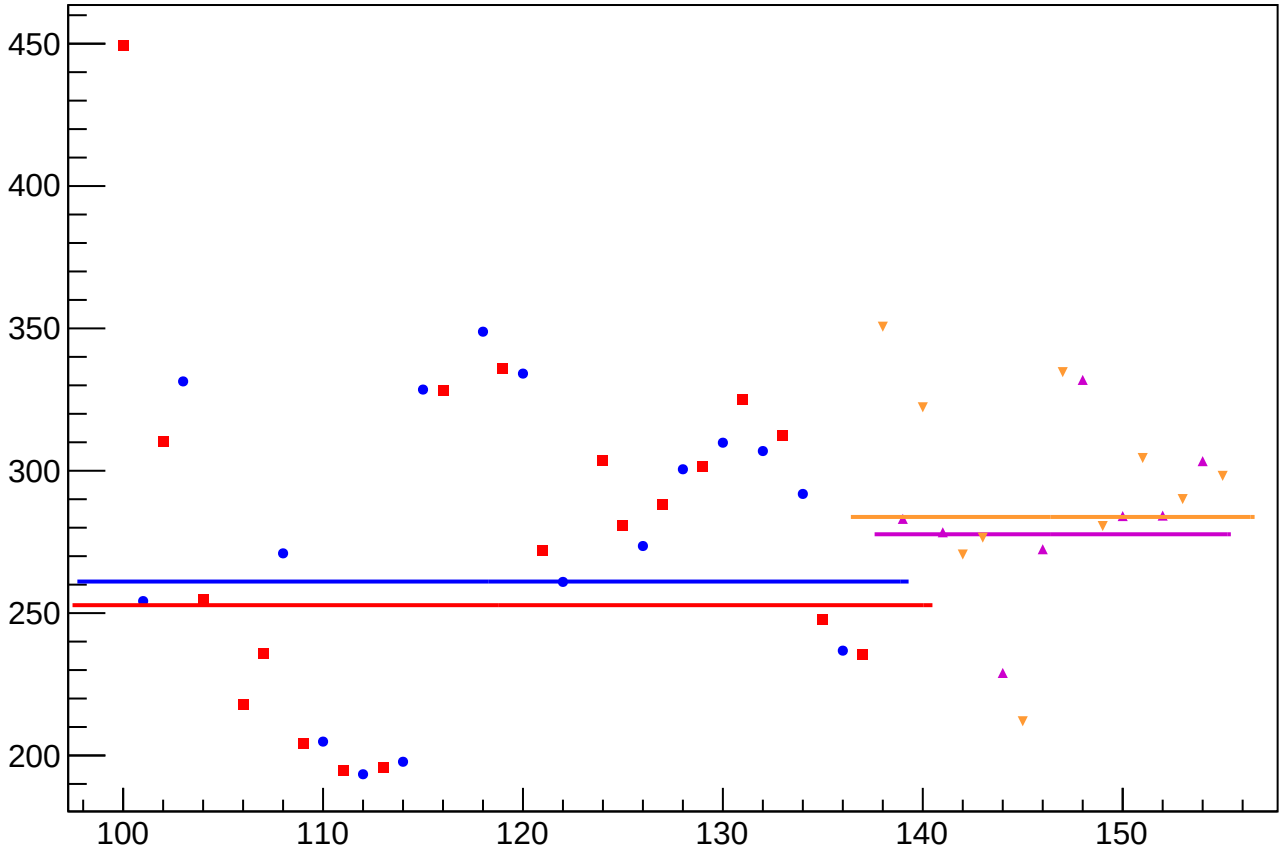
Left In: -381.643+/-106.361 χ^2/NDF:3.8/7

+ sign 139.608+/-71.428 χ^2/NDF: 20.9/25

All: -82.940+/-50.312 χ^2/NDF: 59.8/52

- sign -302.076+/-70.878 χ^2/NDF: 19.7/26

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 283.775+/-0.073 χ^2/NDF:315630.2/9

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

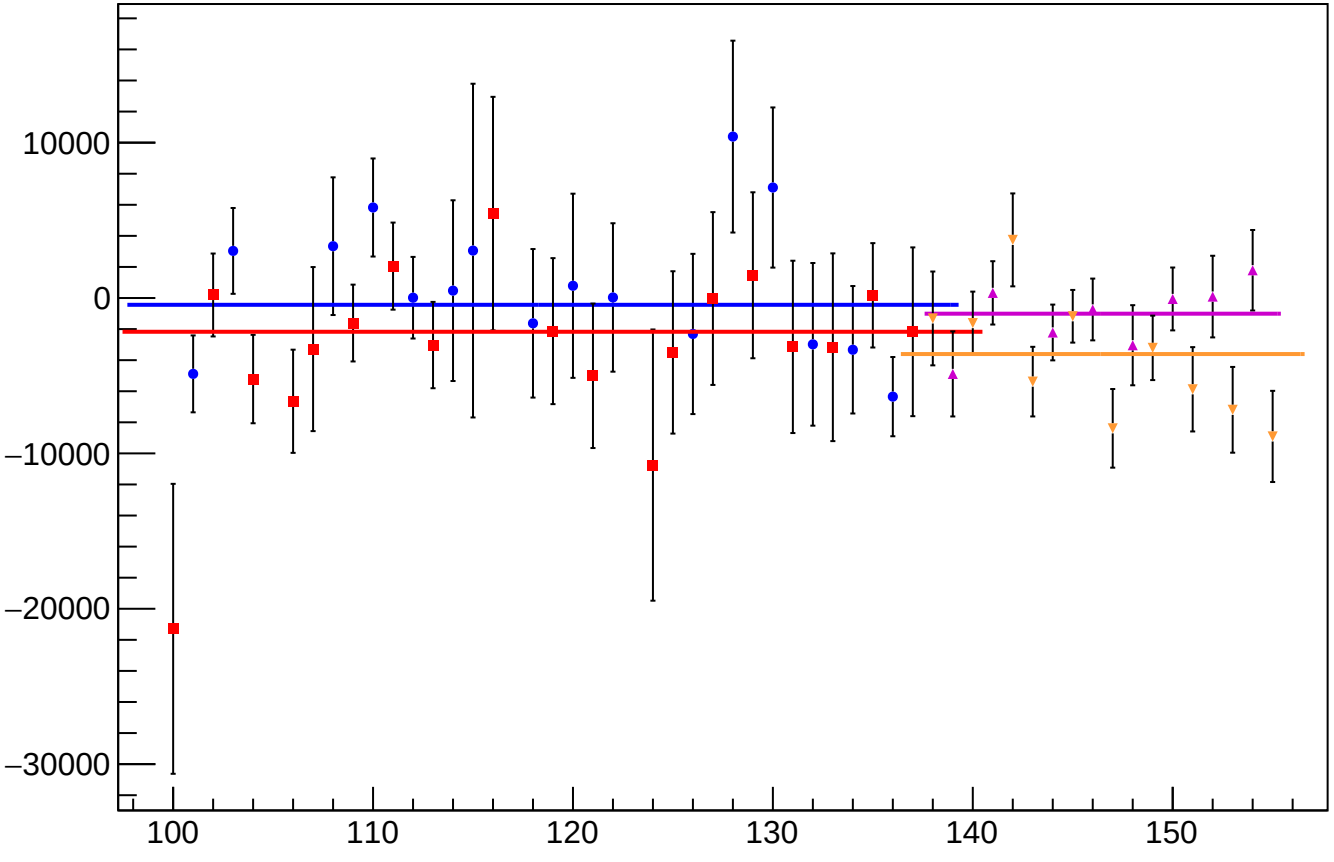
Left In: 277.692+/-0.075 χ^2/NDF:138667.3/7

+ sign 272.020+/-0.051 χ^2/NDF: 828665.0/25

All: 267.902+/-0.036 χ^2/NDF: 1578777.3/52

- sign 263.847+/-0.050 χ^2/NDF: 736916.7/26

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3605.838+/-748.679 χ^2/NDF:19.5/9

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

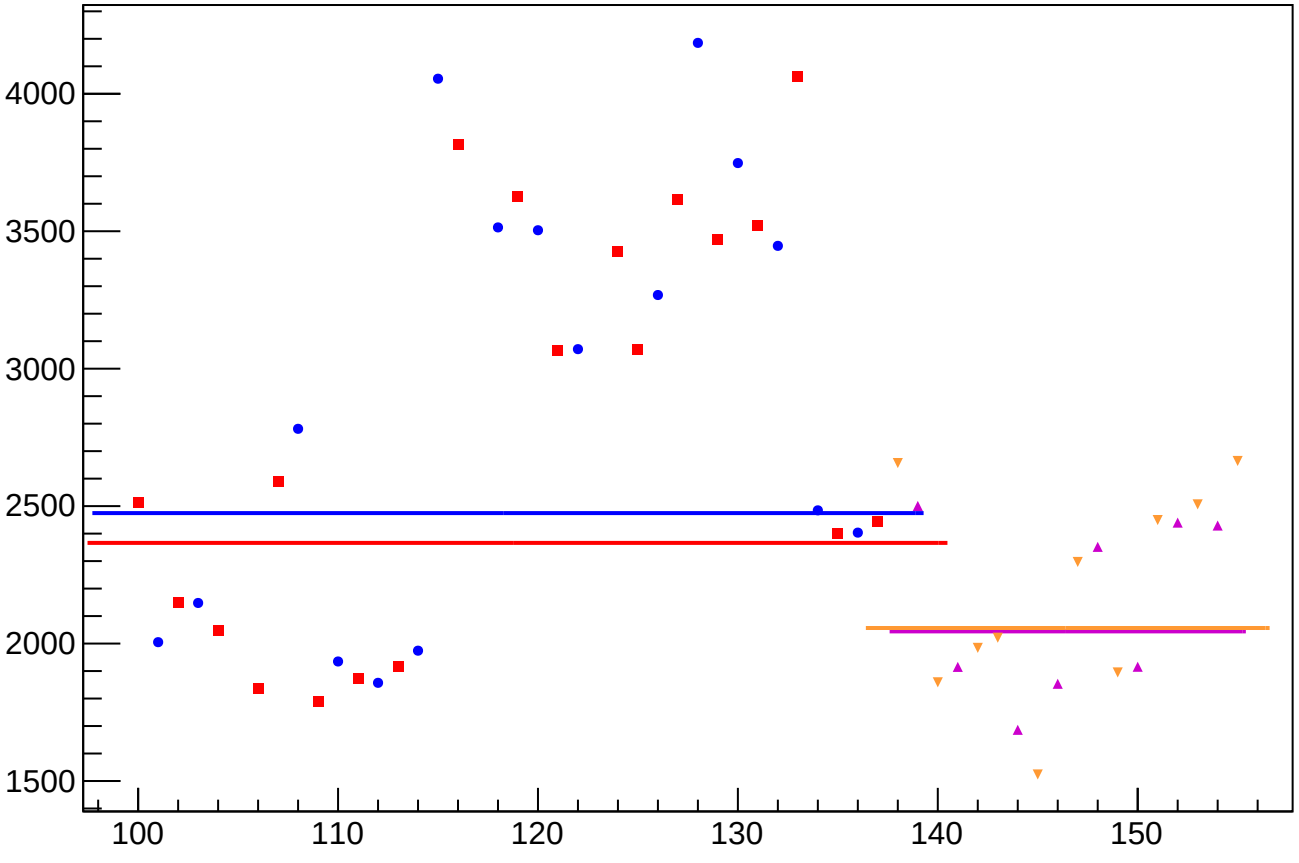
Left In: -1008.533+/-784.166 χ^2/NDF:5.1/7

+ sign -2399.737+/-589.234 χ^2/NDF: 47.5/25

All: -1956.588+/-417.465 χ^2/NDF: 68.7/52

- sign -1509.963+/-591.541 χ^2/NDF: 20.0/26

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2056.609+/-0.529 χ^2/NDF:508226.8/9

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

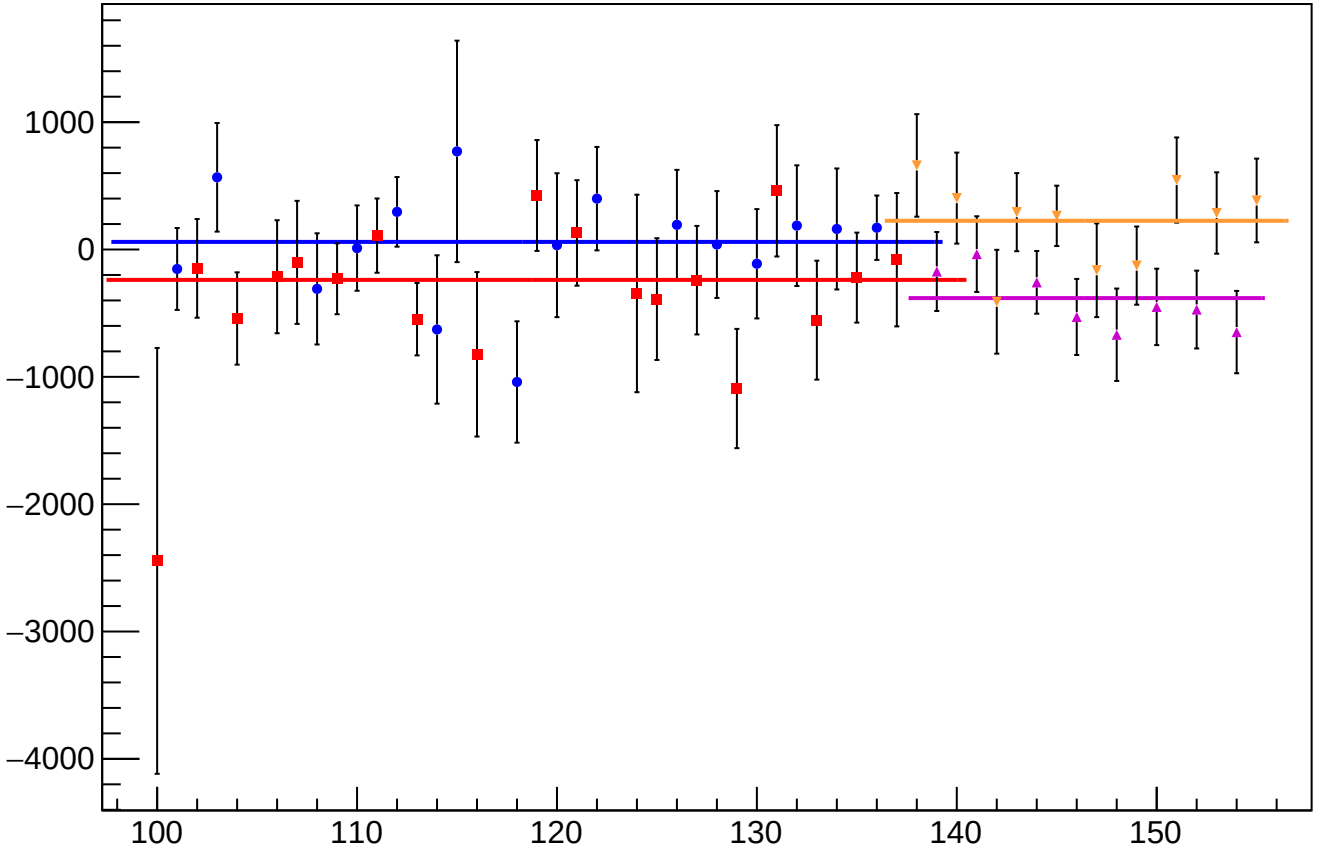
Left In: 2044.285+/-0.554 χ^2/NDF:287684.8/7

+ sign 2215.697+/-0.417 χ^2/NDF: 1661760.3/25

All: 2199.423+/-0.295 χ^2/NDF: 3174953.0/52

- sign 2183.022+/-0.418 χ^2/NDF: 1510129.7/26

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 225.510+/-102.900 χ^2/NDF:7.5/9

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

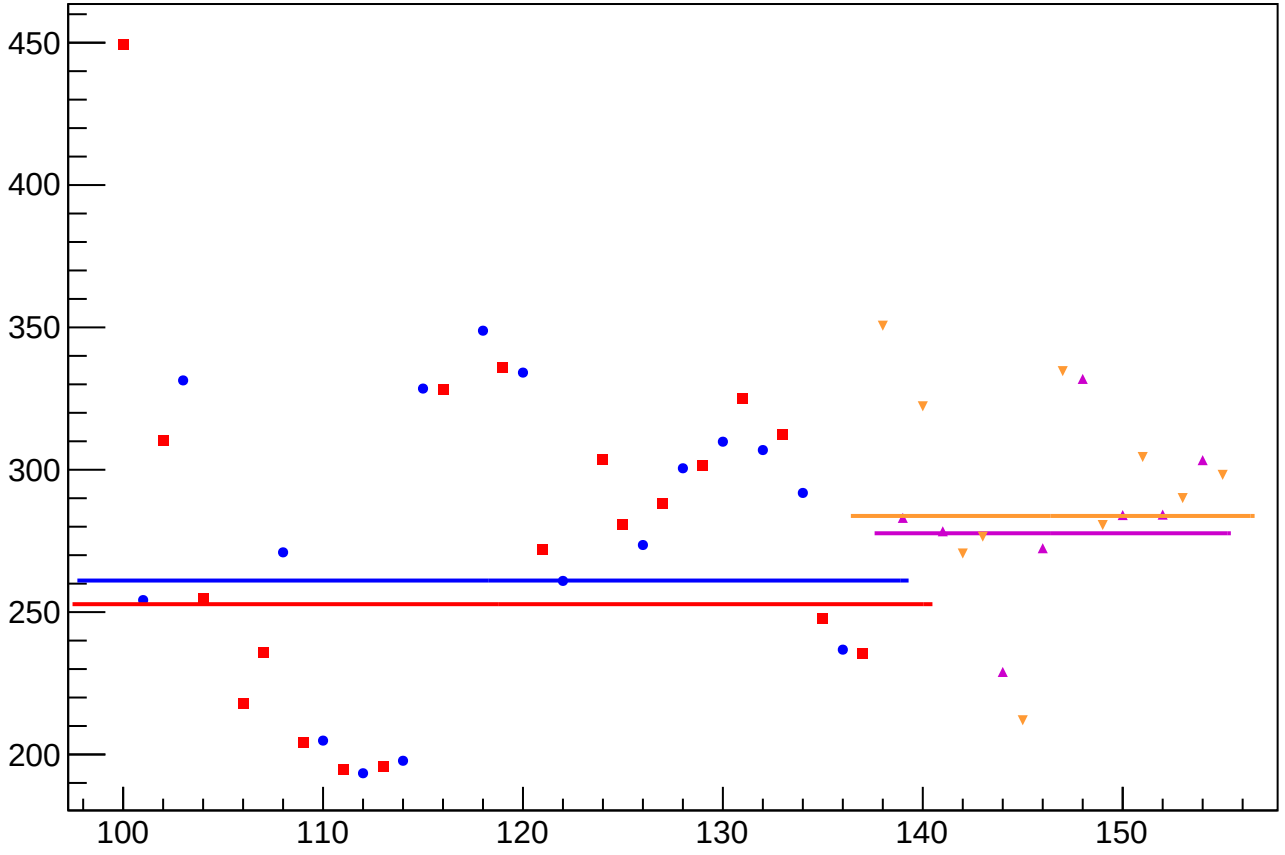
Left In: -381.646+/-106.361 χ^2/NDF:3.8/7

+ sign 139.612+/-71.428 χ^2/NDF: 20.9/25

All: -82.939+/-50.312 χ^2/NDF: 59.8/52

- sign -302.077+/-70.878 χ^2/NDF: 19.7/26

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 283.776+/-0.073 χ^2/NDF:315625.5/9

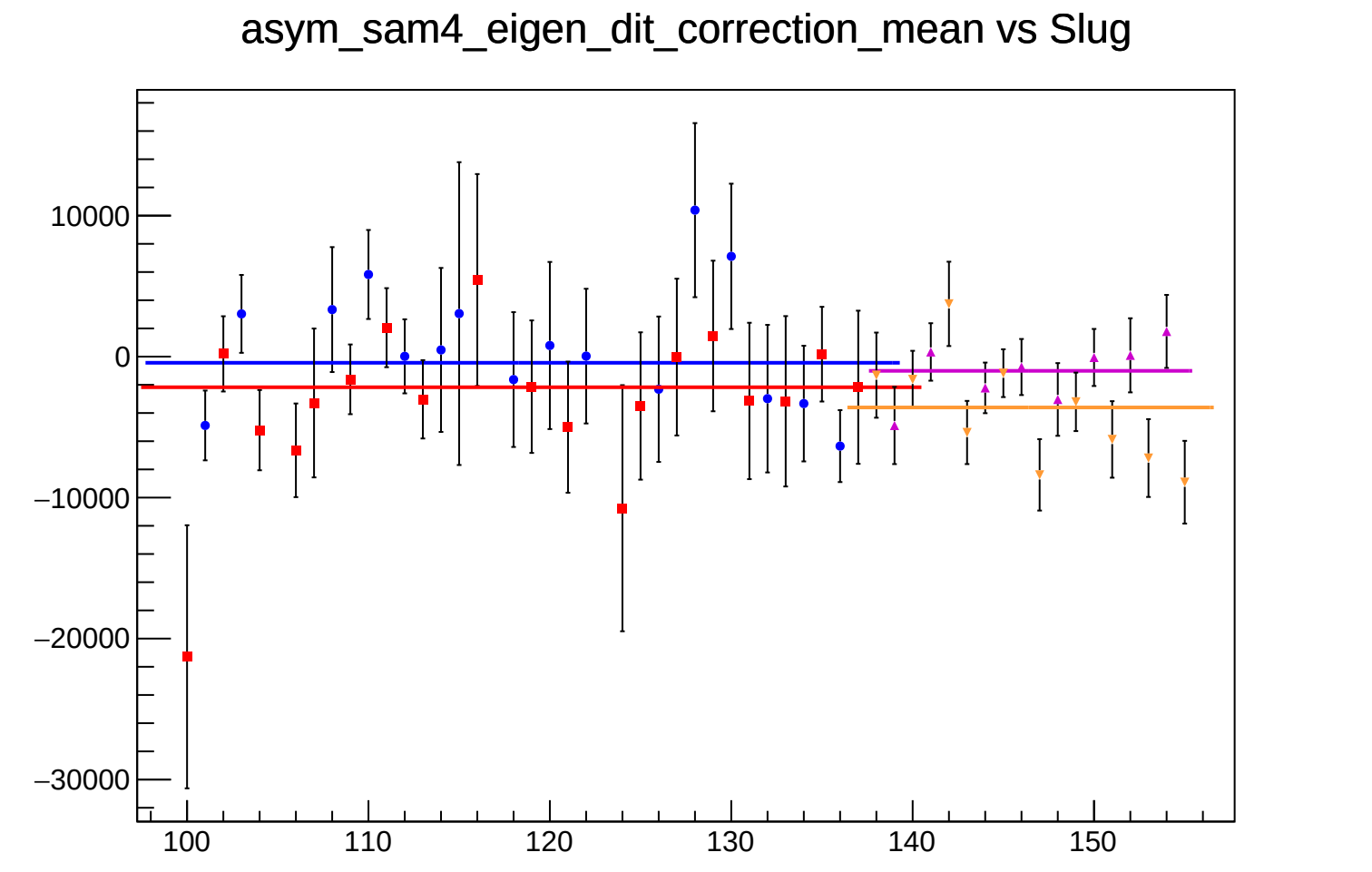
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 277.692+/-0.075 χ^2/NDF:138665.5/7

+ sign 272.021+/-0.051 χ^2/NDF: 828665.3/25

All: 267.902+/-0.036 χ^2/NDF: 1578781.5/52

- sign 263.847+/-0.050 χ^2/NDF: 736920.4/26



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3605.833+/-748.678 χ^2/NDF:19.5/9

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

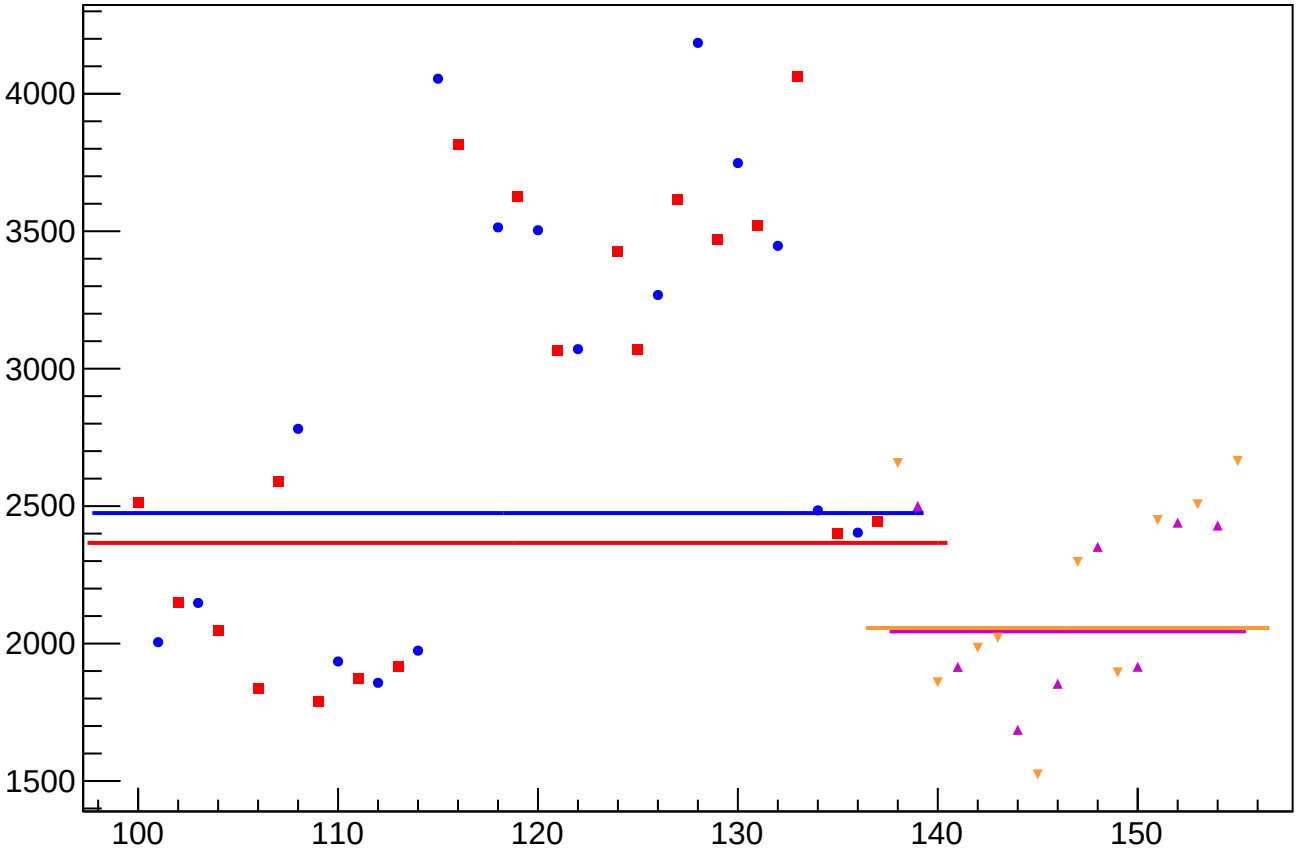
Left In: -1008.533+/-784.166 χ^2/NDF:5.1/7

+ sign -2399.734+/-589.233 χ^2/NDF: 47.5/25

All: -1956.587+/-417.464 χ^2/NDF: 68.7/52

- sign -1509.962+/-591.541 χ^2/NDF: 20.0/26

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2056.607+/-0.529 χ^2/NDF:508229.7/9

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

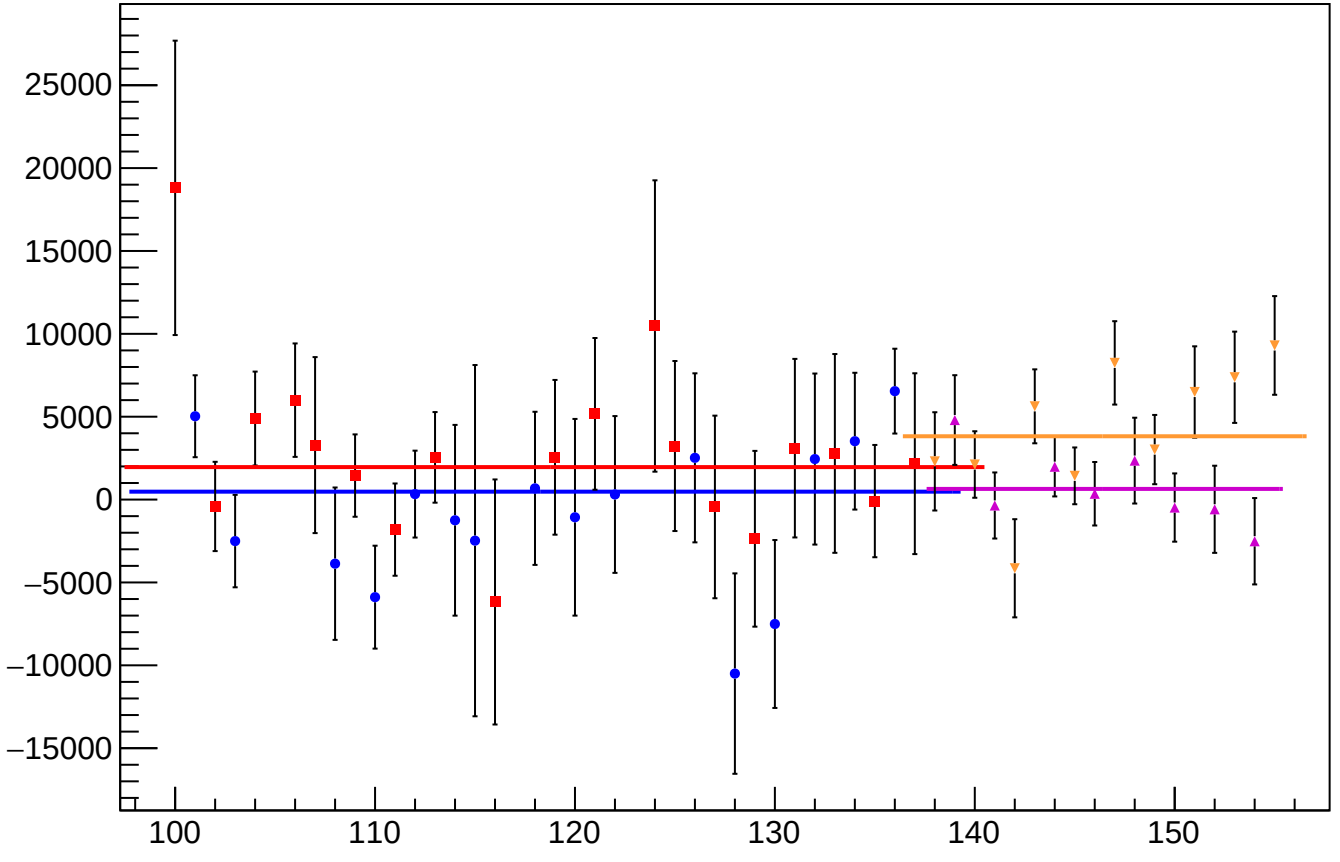
Left In: 2044.285+/-0.554 χ^2/NDF:287683.6/7

+ sign 2215.694+/-0.417 χ^2/NDF: 1661767.6/25

All: 2199.422+/-0.295 χ^2/NDF: 3174960.6/52

- sign 2183.021+/-0.418 χ^2/NDF: 1510130.2/26

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3819.956+/-749.249 χ^2/NDF:20.1/9

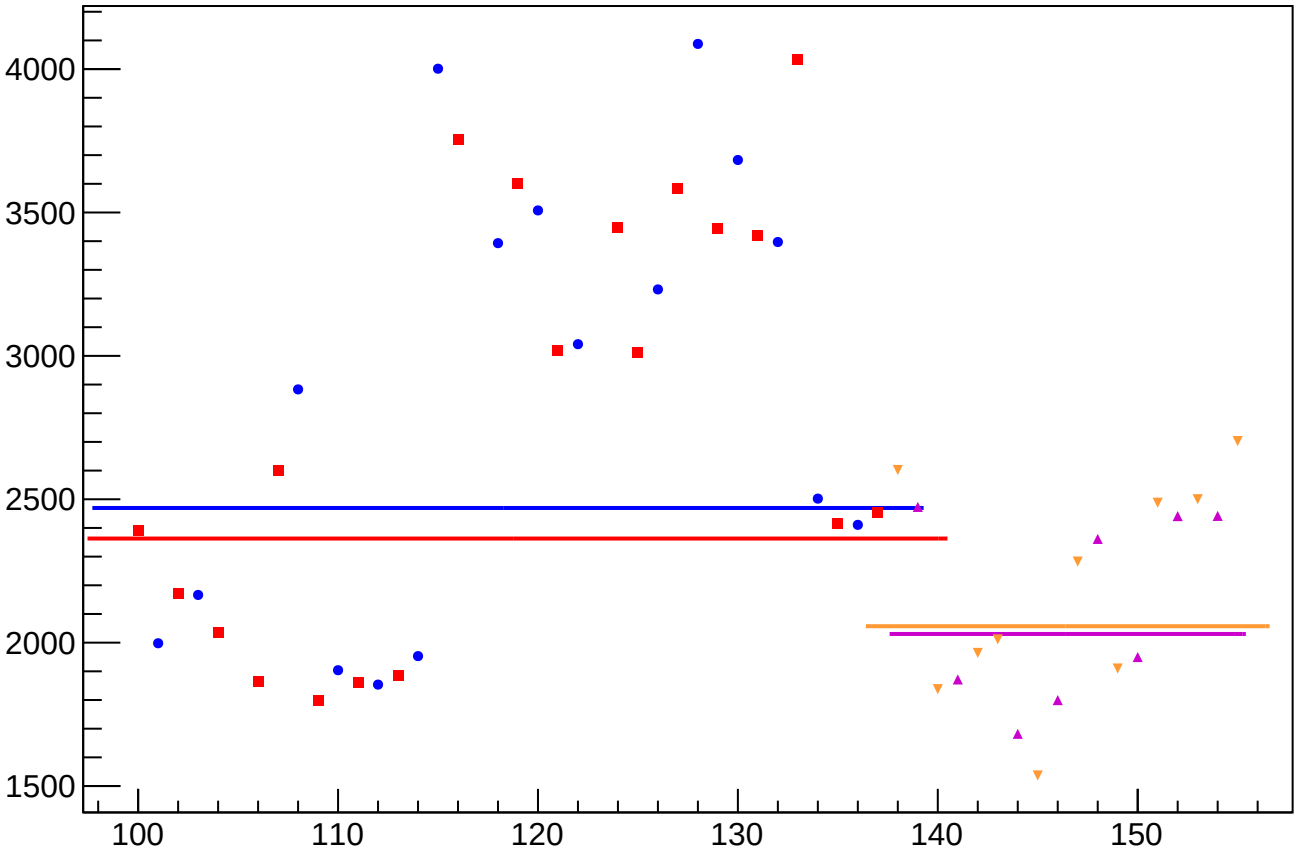
Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: 643.478+/-778.752 χ^2/NDF:5.6/7

+ sign 2542.660+/-588.951 χ^2/NDF: 49.8/25

All: 1874.747+/-416.403 χ^2/NDF: 72.0/52

- sign 1207.142+/-588.815 χ^2/NDF: 19.7/26



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2057.310+/-0.530 χ^2/NDF:499526.7/9

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

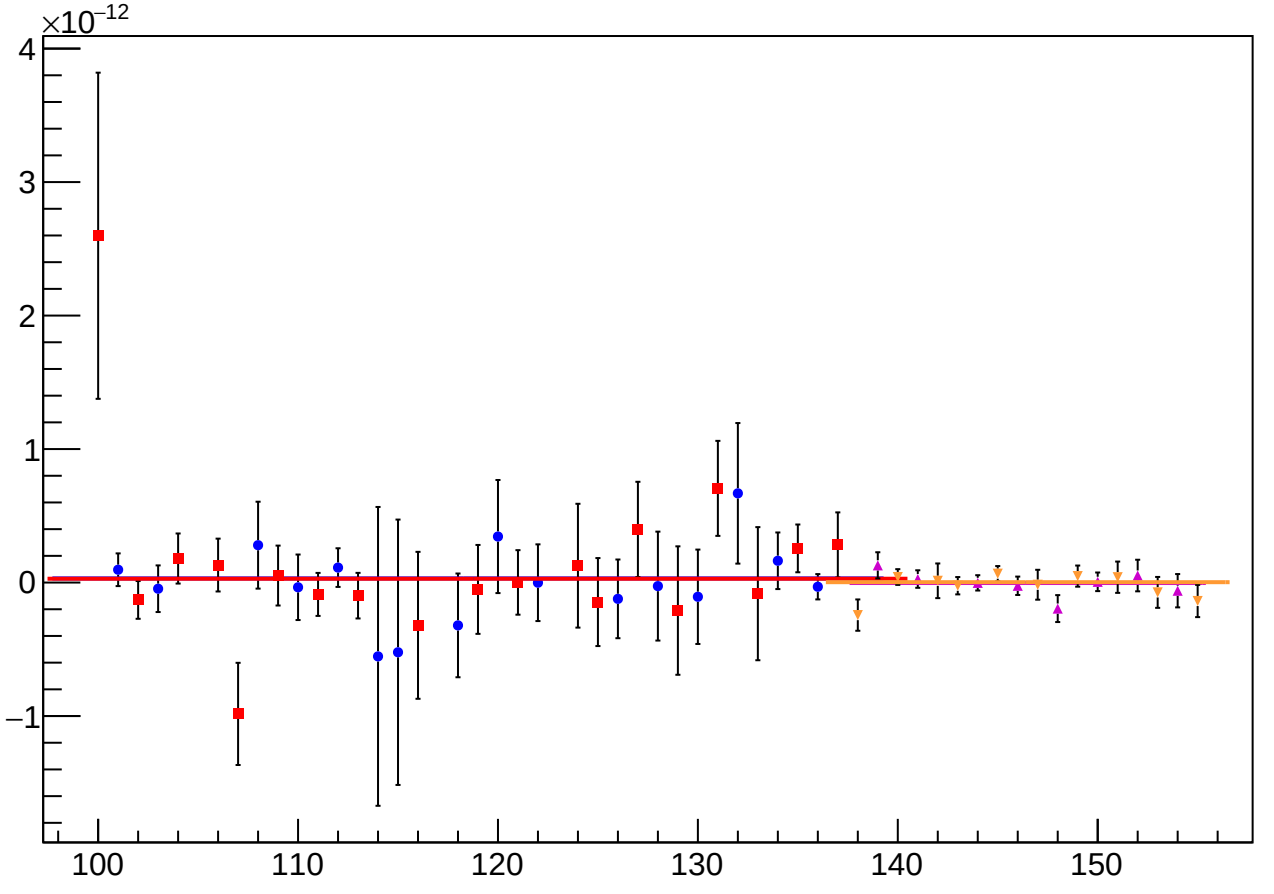
Left In: 2030.305+/-0.551 χ^2/NDF:305396.3/7

+ sign 2214.868+/-0.416 χ^2/NDF: 1617159.4/25

All: 2193.842+/-0.294 χ^2/NDF: 3127391.6/52

- sign 2172.825+/-0.416 χ^2/NDF: 1505134.9/26

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:8.5/9

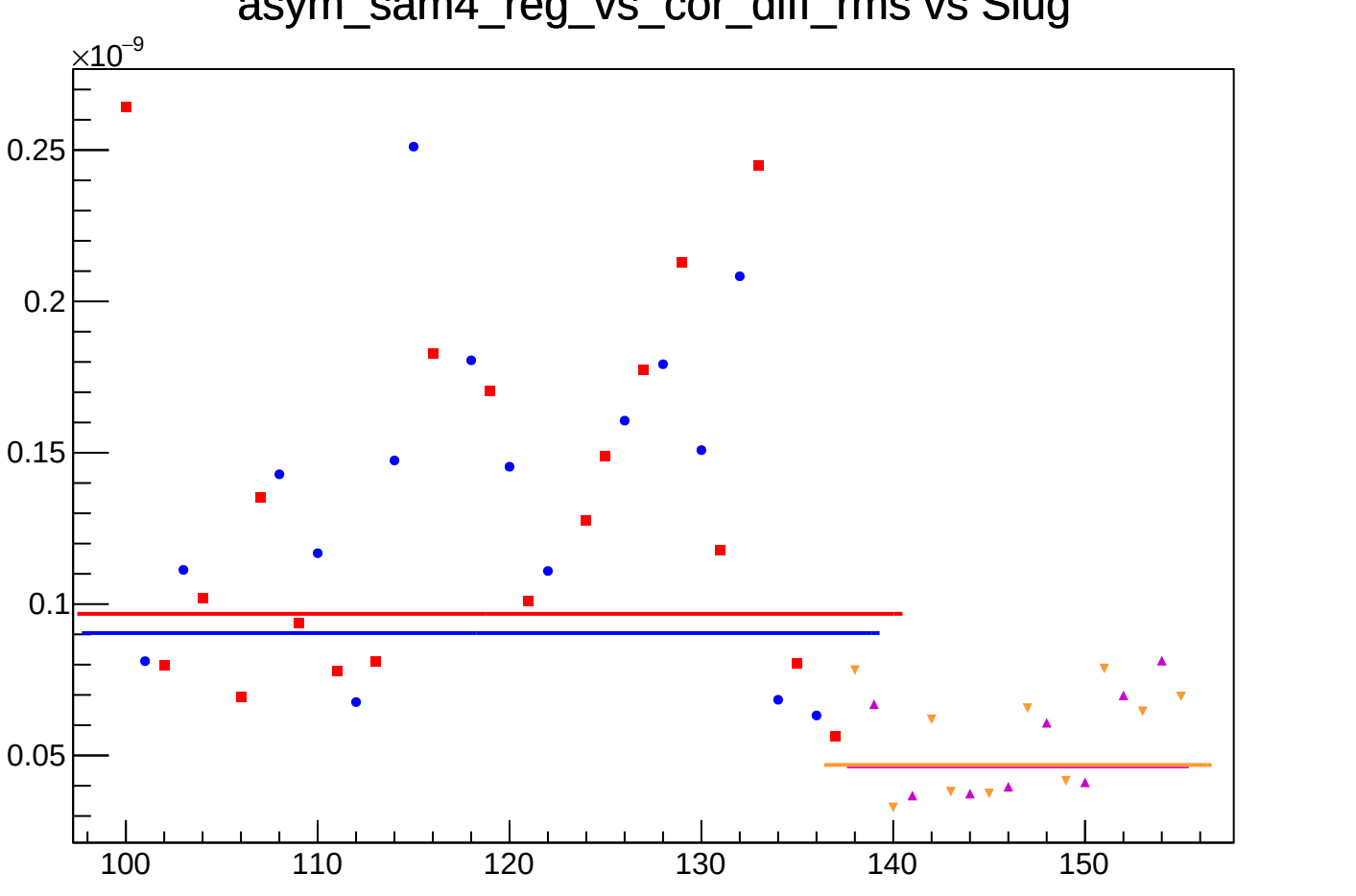
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

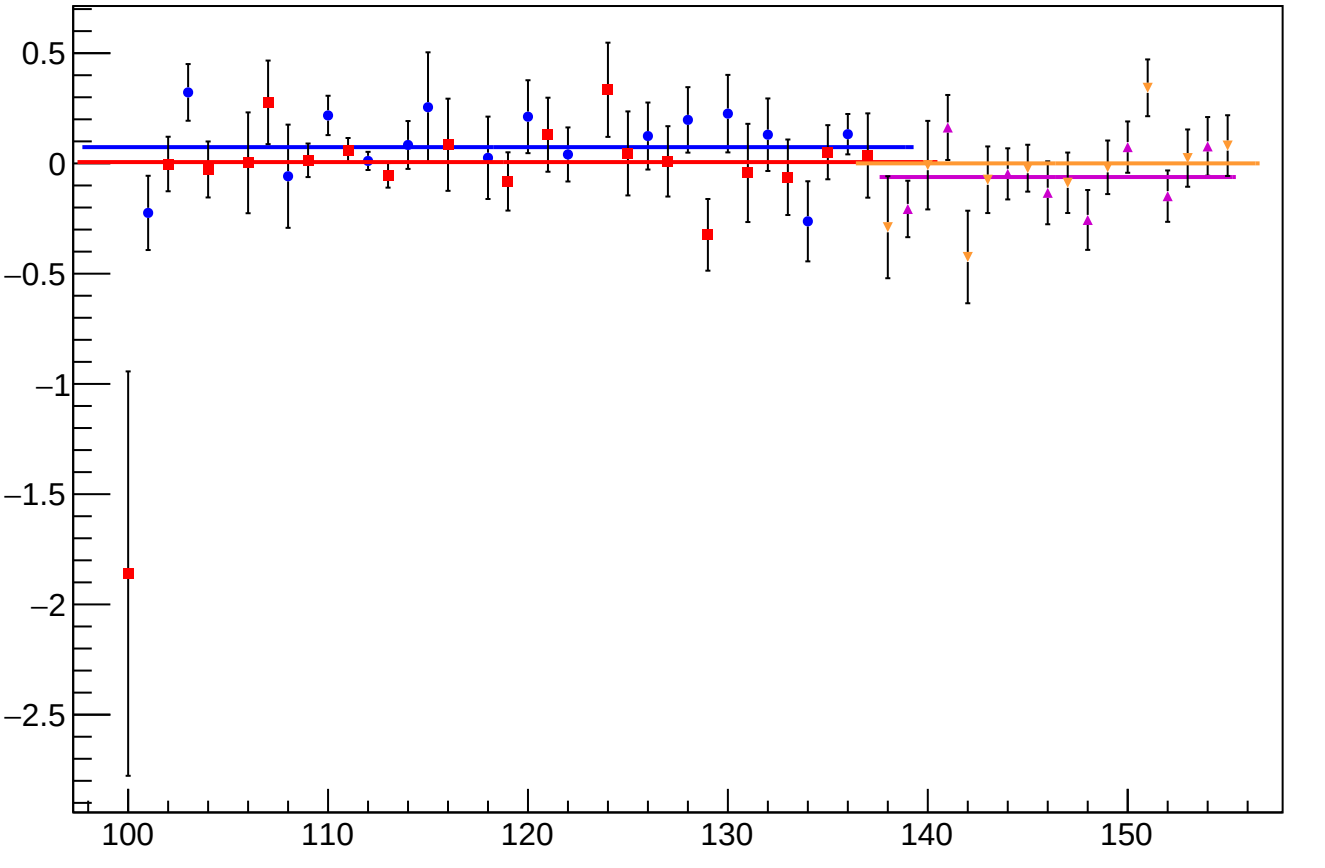
Left In: -0.000+/-0.000 χ^2/NDF:6.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 14.9/25

All: 0.000+/-0.000 χ^2/NDF: 44.5/52

- sign 0.000+/-0.000 χ^2/NDF: 29.6/26


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 926723.8/15
Left Out: 0.000+/-0.000 χ²/NDF:703774.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:486142.6/7
+ sign 0.000+/-0.000 χ²/NDF: 2725188.6/25
All: 0.000+/-0.000 χ²/NDF: 5364725.2/52
- sign 0.000+/-0.000 χ²/NDF: 2638766.3/26



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.045 χ^2/NDF:13.8/9

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

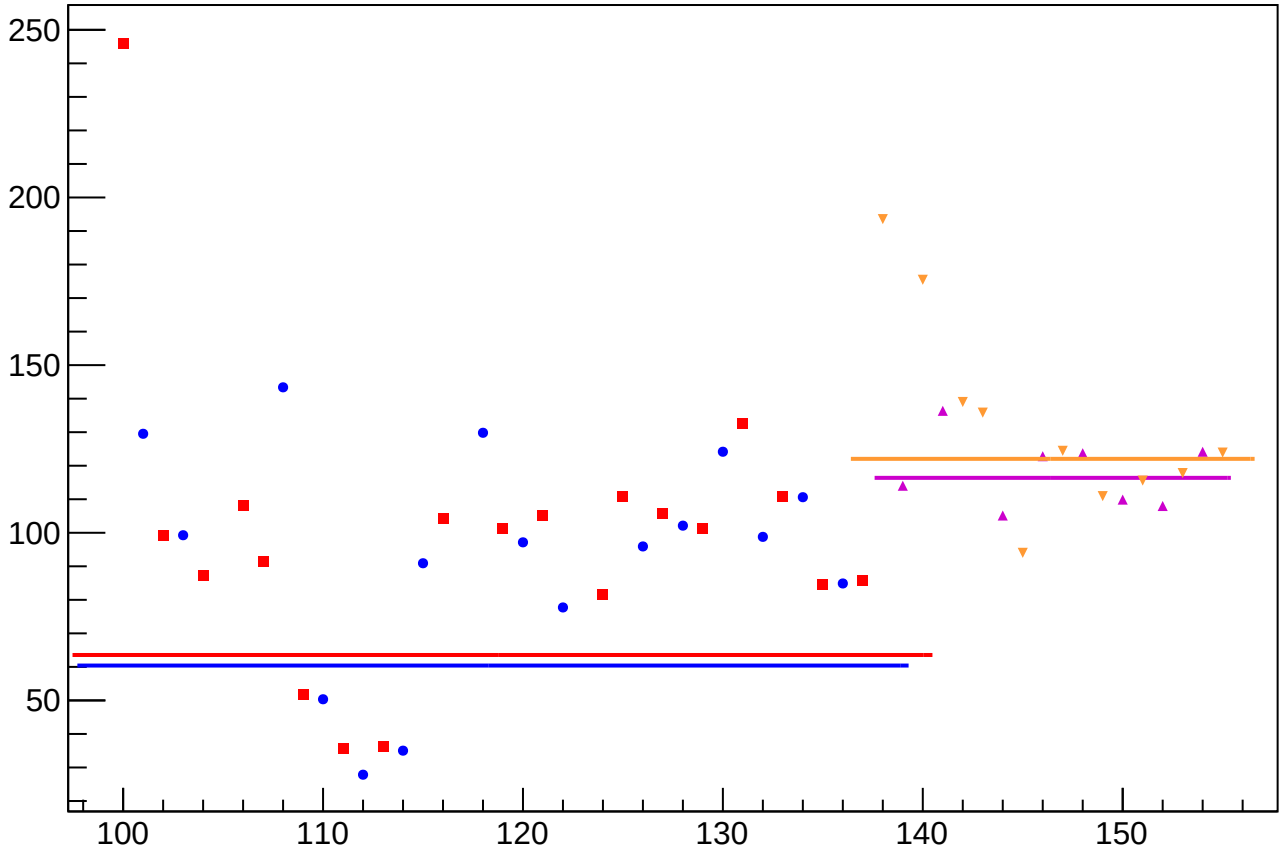
Left In: -0.062+/-0.045 χ^2/NDF:8.9/7

+ sign 0.054+/-0.023 χ^2/NDF: 34.8/25

All: 0.021+/-0.016 χ^2/NDF: 65.9/52

- sign -0.012+/-0.023 χ^2/NDF: 27.0/26

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.050+/-0.032 χ^2/NDF:526396.6/9

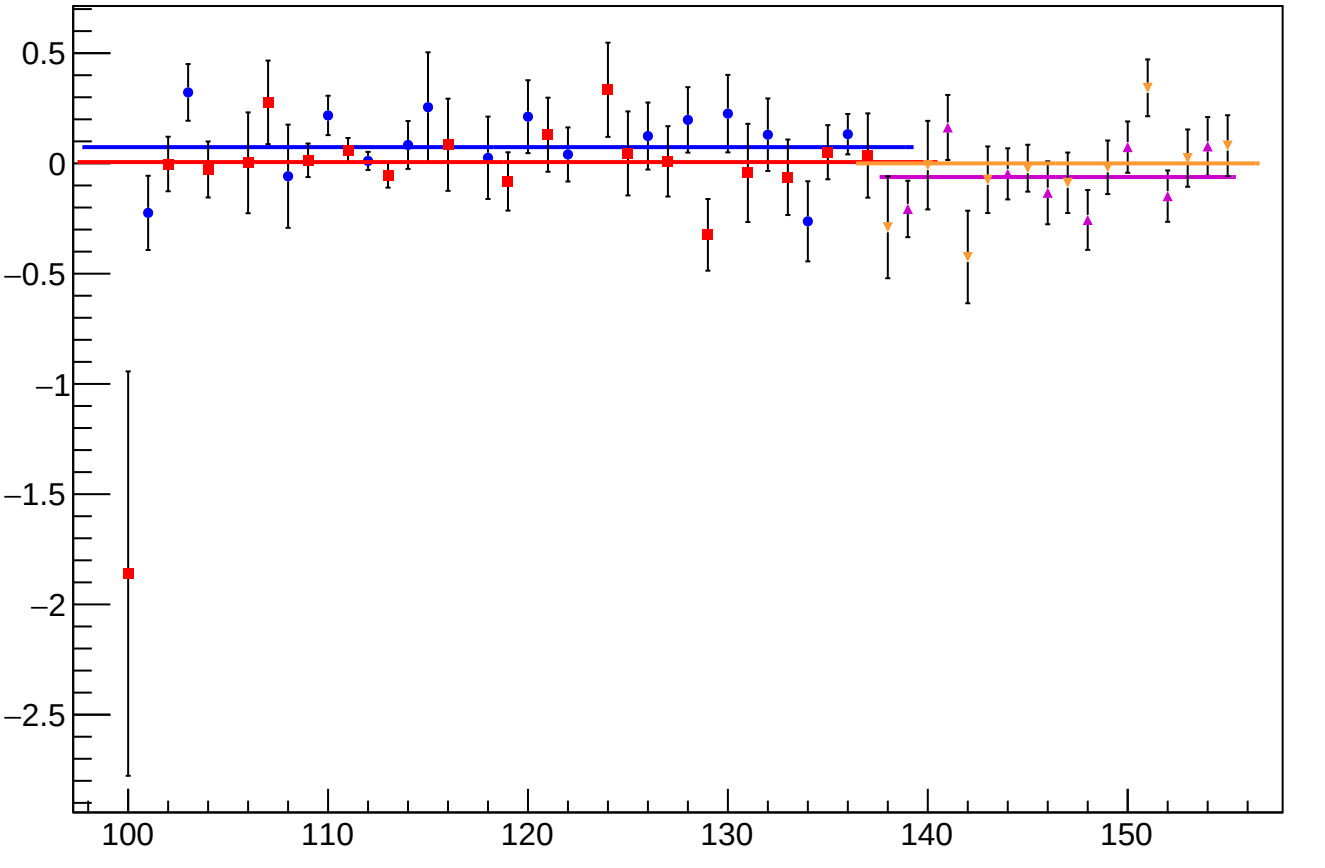
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.383+/-0.032 χ^2/NDF:89607.4/7

+ sign 76.682+/-0.016 χ^2/NDF: 6815658.0/25

All: 76.994+/-0.012 χ^2/NDF: 11578842.8/52

- sign 77.304+/-0.016 χ^2/NDF: 4762460.4/26



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.045 χ^2/NDF:13.8/9

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

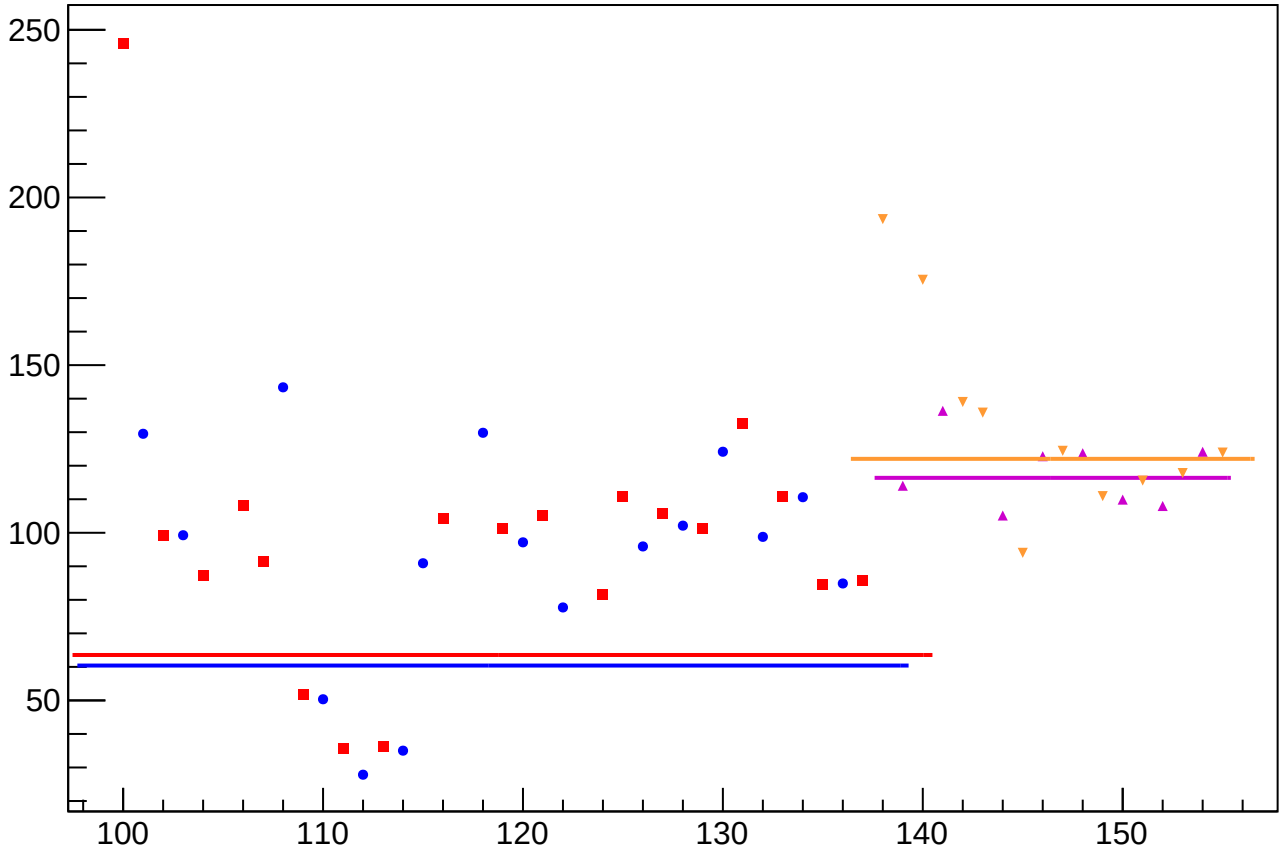
Left In: -0.062+/-0.045 χ^2/NDF:8.9/7

+ sign 0.054+/-0.023 χ^2/NDF: 34.8/25

All: 0.021+/-0.016 χ^2/NDF: 65.9/52

- sign -0.012+/-0.023 χ^2/NDF: 27.0/26

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.050+/-0.032 χ^2/NDF:526396.6/9

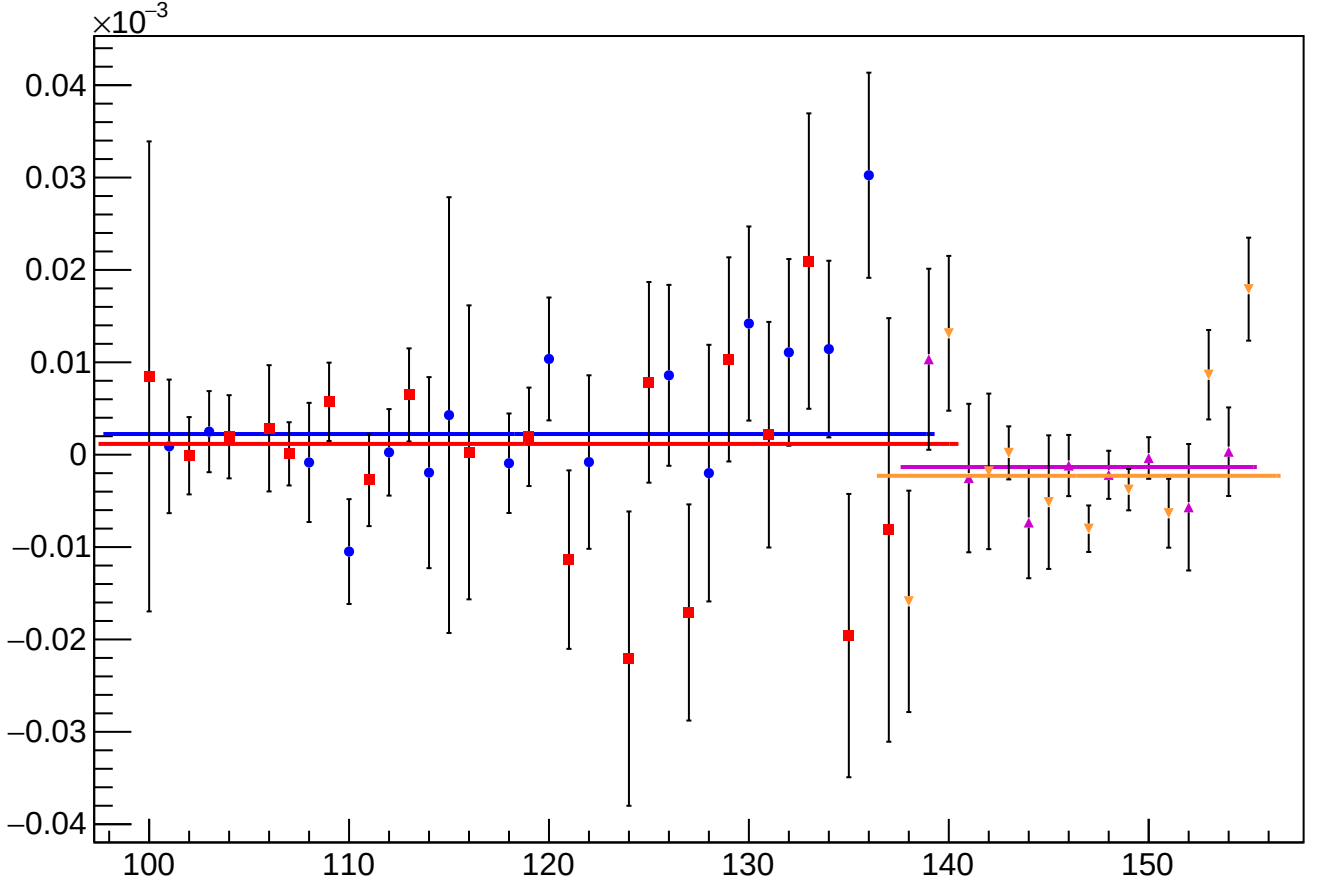
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.383+/-0.032 χ^2/NDF:89607.4/7

+ sign 76.682+/-0.016 χ^2/NDF: 6815658.0/25

All: 76.994+/-0.012 χ^2/NDF: 11578842.8/52

- sign 77.304+/-0.016 χ^2/NDF: 4762460.4/26



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

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/9

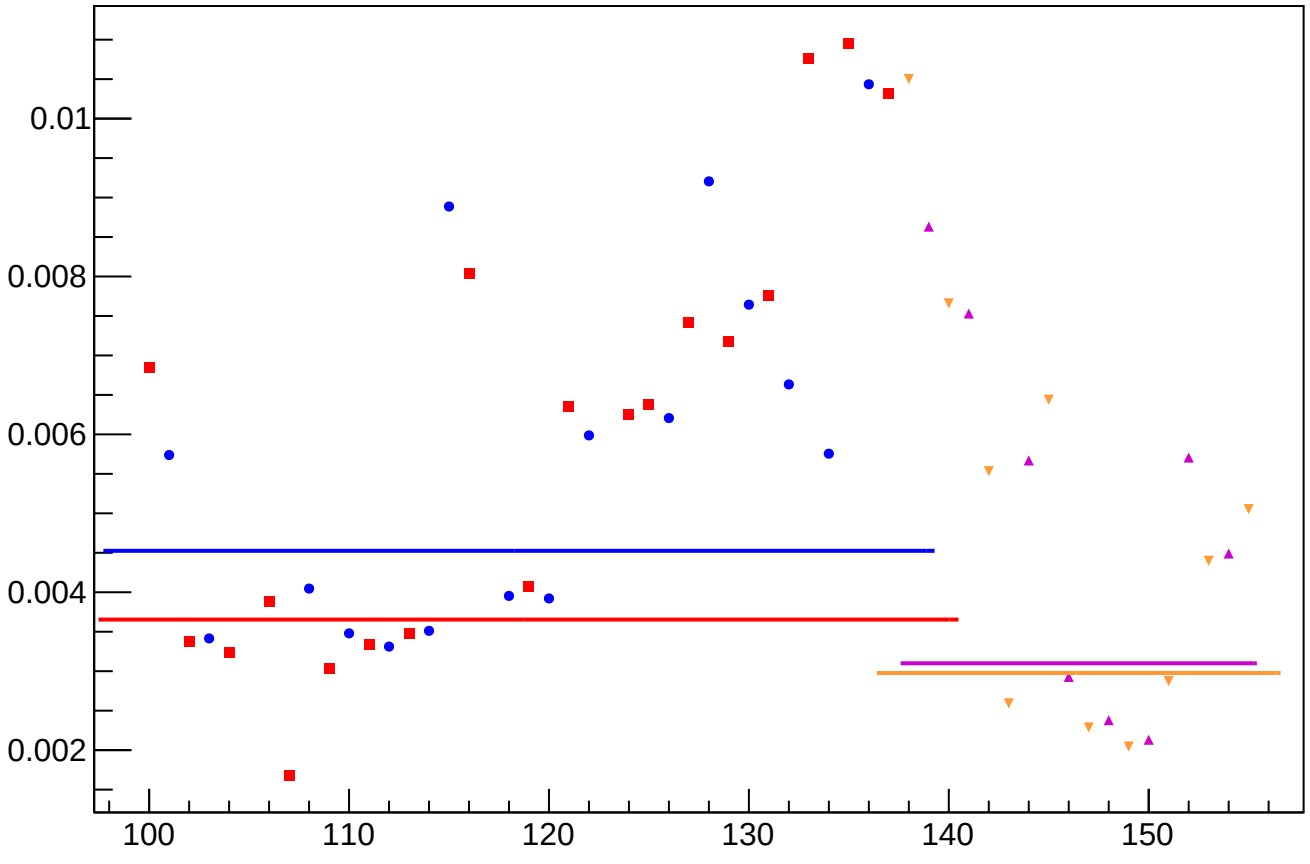
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 52.4/25

All: -0.000+/-0.000 χ^2/NDF: 71.5/52

- sign -0.000+/-0.000 χ^2/NDF: 18.9/26



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:3039109.4/9

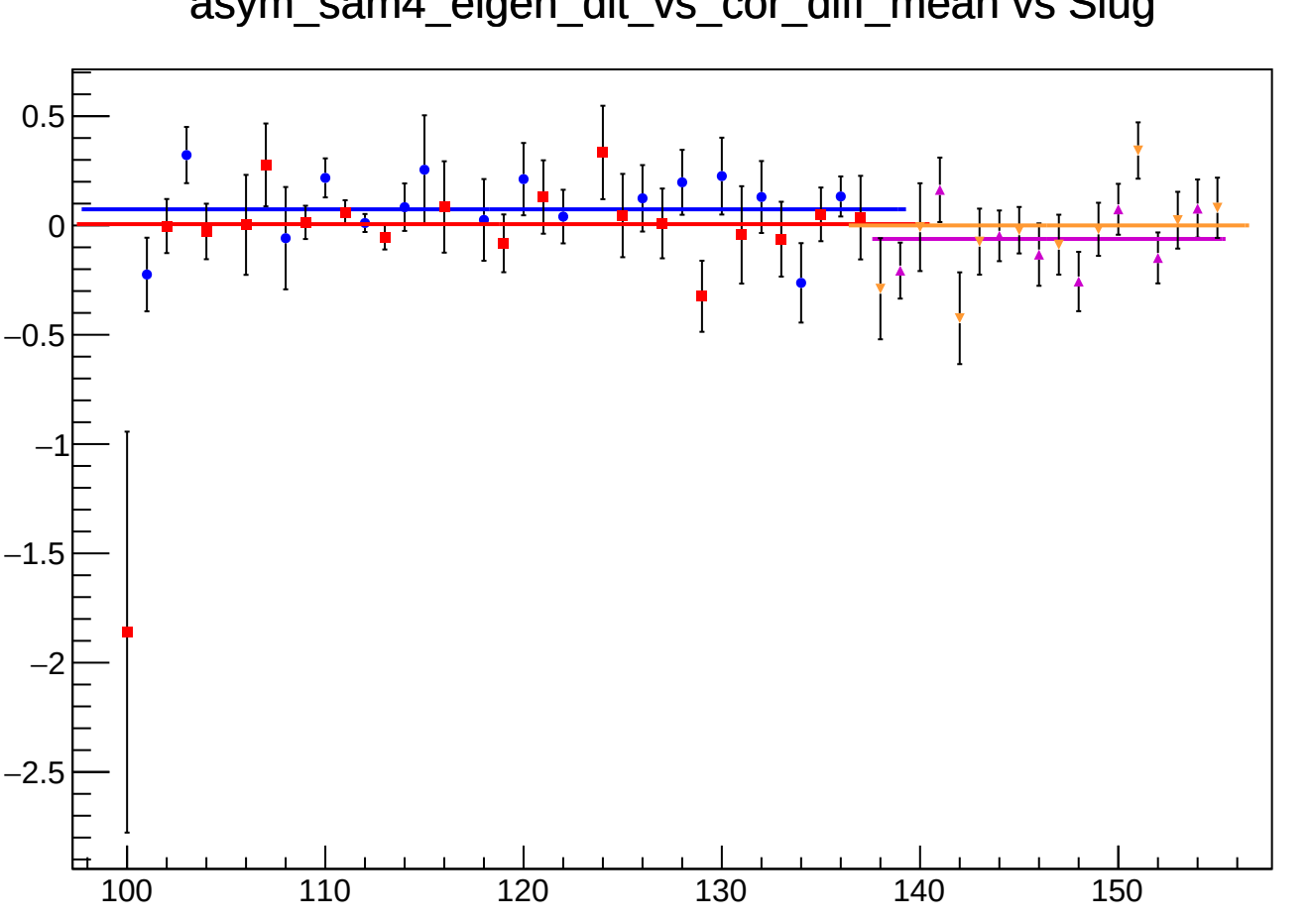
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:2595080.7/7

+ sign 0.003+/-0.000 χ^2/NDF: 5768069.0/25

All: 0.003+/-0.000 χ^2/NDF: 11459673.2/52

- sign 0.003+/-0.000 χ^2/NDF: 5679614.1/26



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.045 χ^2/NDF:13.8/9

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

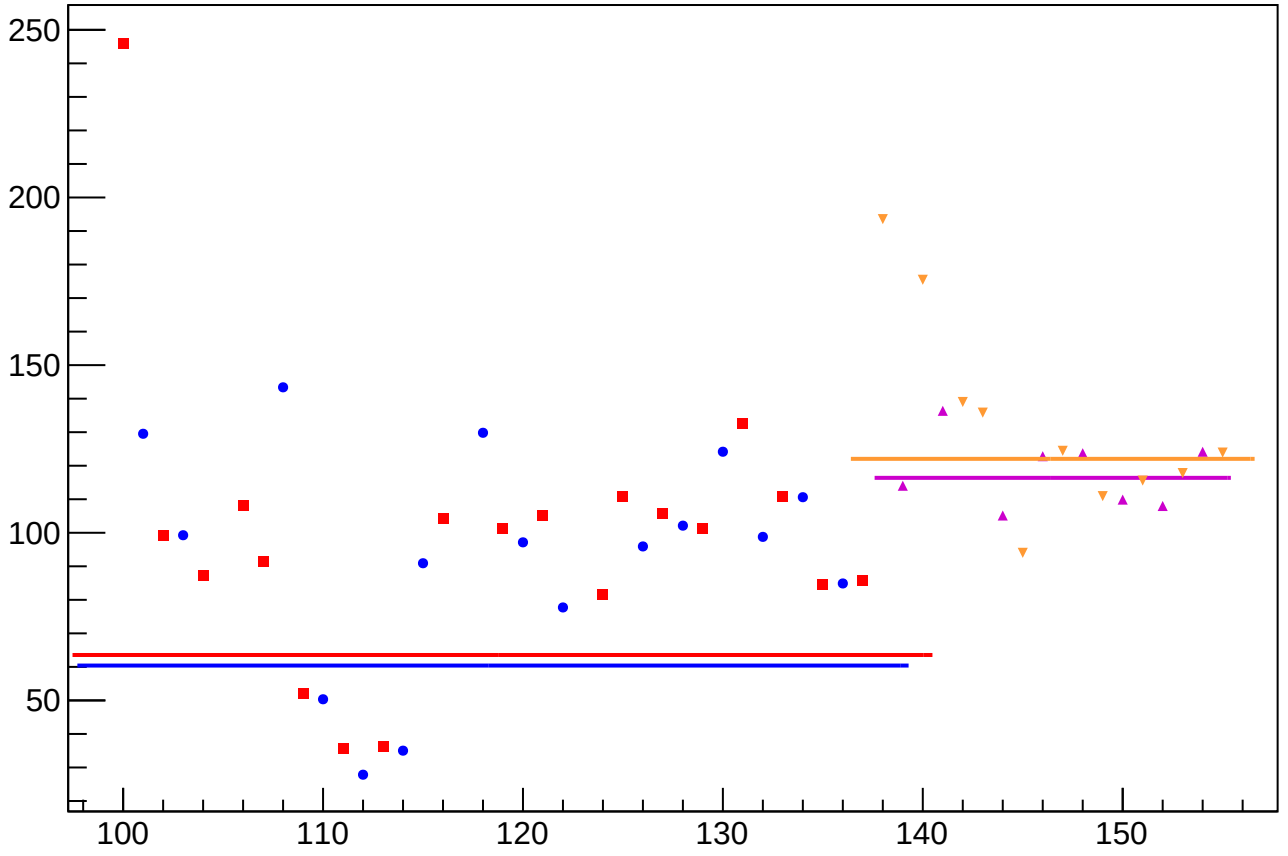
Left In: -0.062+/-0.045 χ^2/NDF:8.9/7

+ sign 0.054+/-0.023 χ^2/NDF: 34.8/25

All: 0.021+/-0.016 χ^2/NDF: 65.9/52

- sign -0.012+/-0.023 χ^2/NDF: 27.0/26

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 122.051+/-0.032 χ^2/NDF:526371.3/9

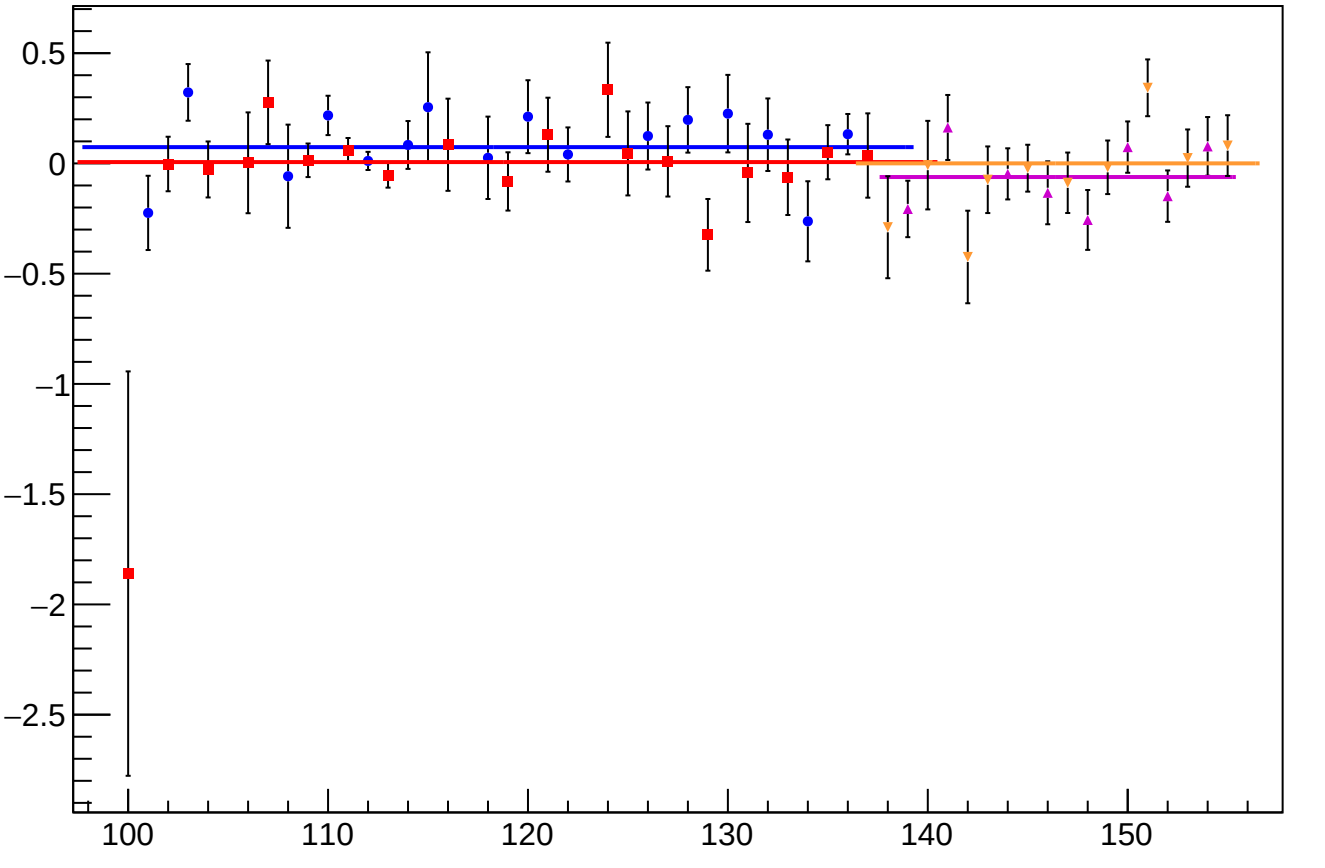
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.384+/-0.032 χ^2/NDF:89607.5/7

\+ sign 76.680+/-0.016 χ^2/NDF: 6816188.5/25

All: 76.992+/-0.012 χ^2/NDF: 11579858.5/52

\- sign 77.302+/-0.016 χ^2/NDF: 4762944.7/26



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.045 χ^2/NDF:13.8/9

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

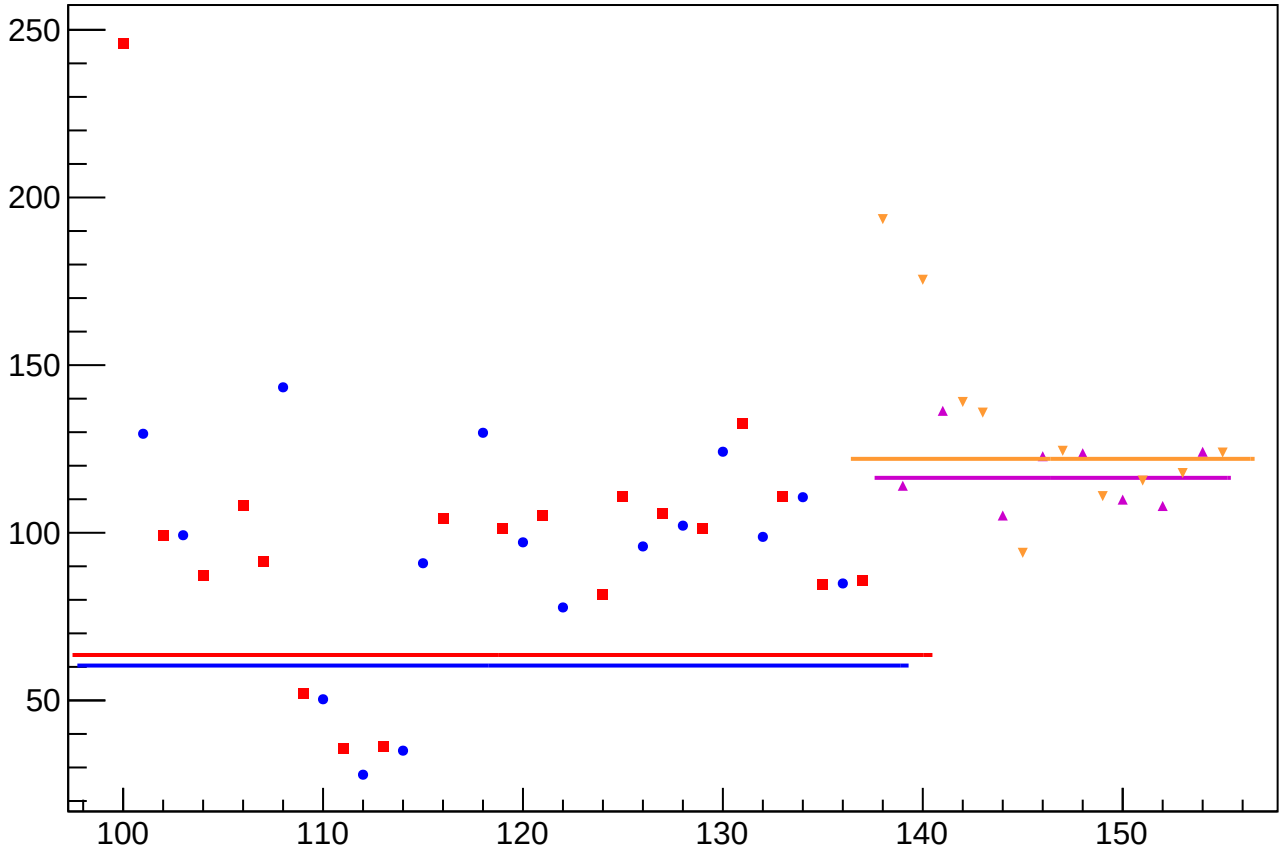
Left In: -0.062+/-0.045 χ^2/NDF:8.9/7

+ sign 0.054+/-0.023 χ^2/NDF: 34.8/25

All: 0.021+/-0.016 χ^2/NDF: 65.9/52

- sign -0.012+/-0.023 χ^2/NDF: 27.0/26

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 122.051+/-0.032 χ^2/NDF:526371.3/9

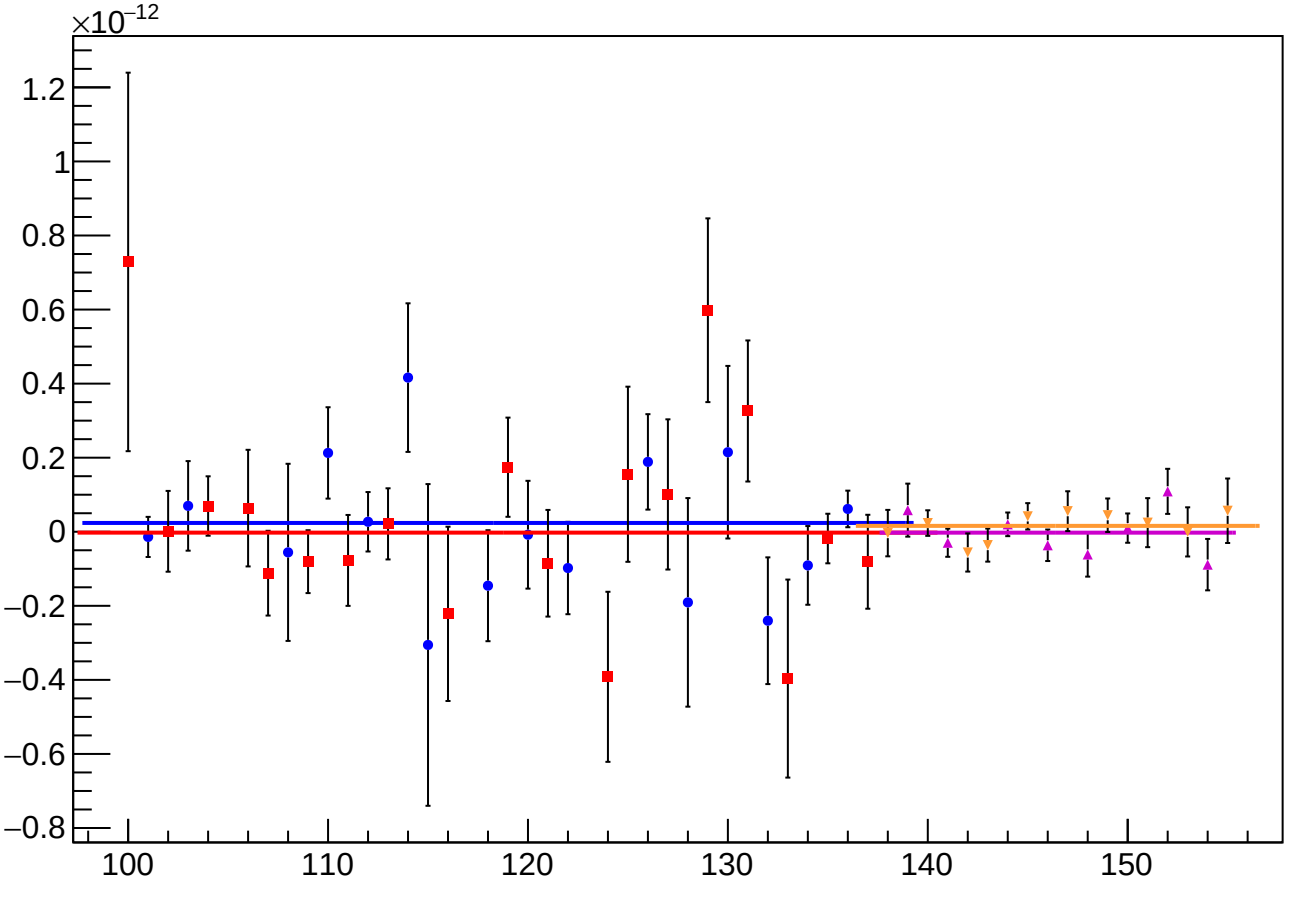
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.384+/-0.032 χ^2/NDF:89607.5/7

\+ sign 76.680+/-0.016 χ^2/NDF: 6816188.5/25

All: 76.992+/-0.012 χ^2/NDF: 11579858.5/52

\- sign 77.302+/-0.016 χ^2/NDF: 4762944.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/9

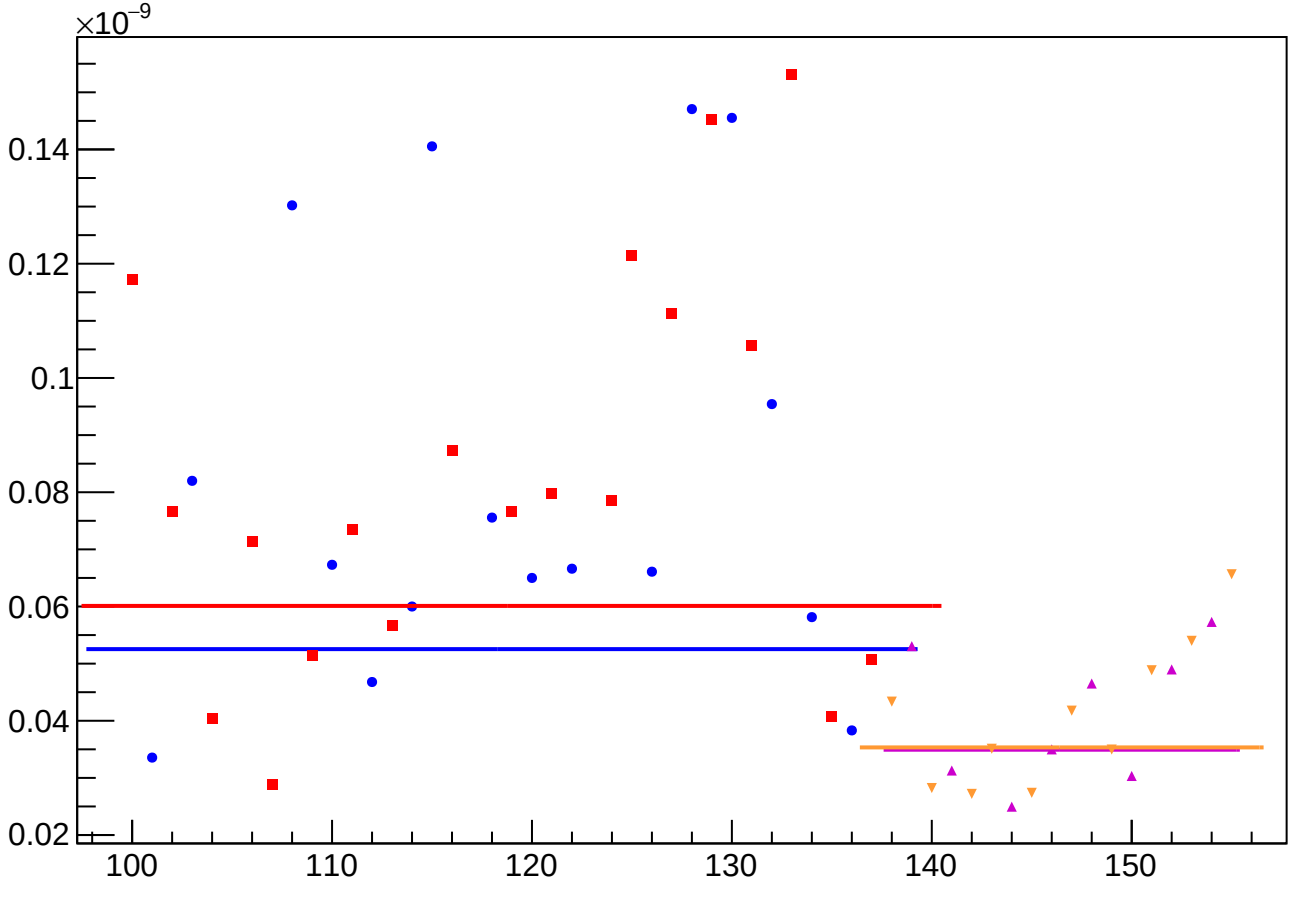
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/25

All: 0.000+/-0.000 χ^2/NDF: 54.7/52

- sign -0.000+/-0.000 χ^2/NDF: 31.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:778995.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

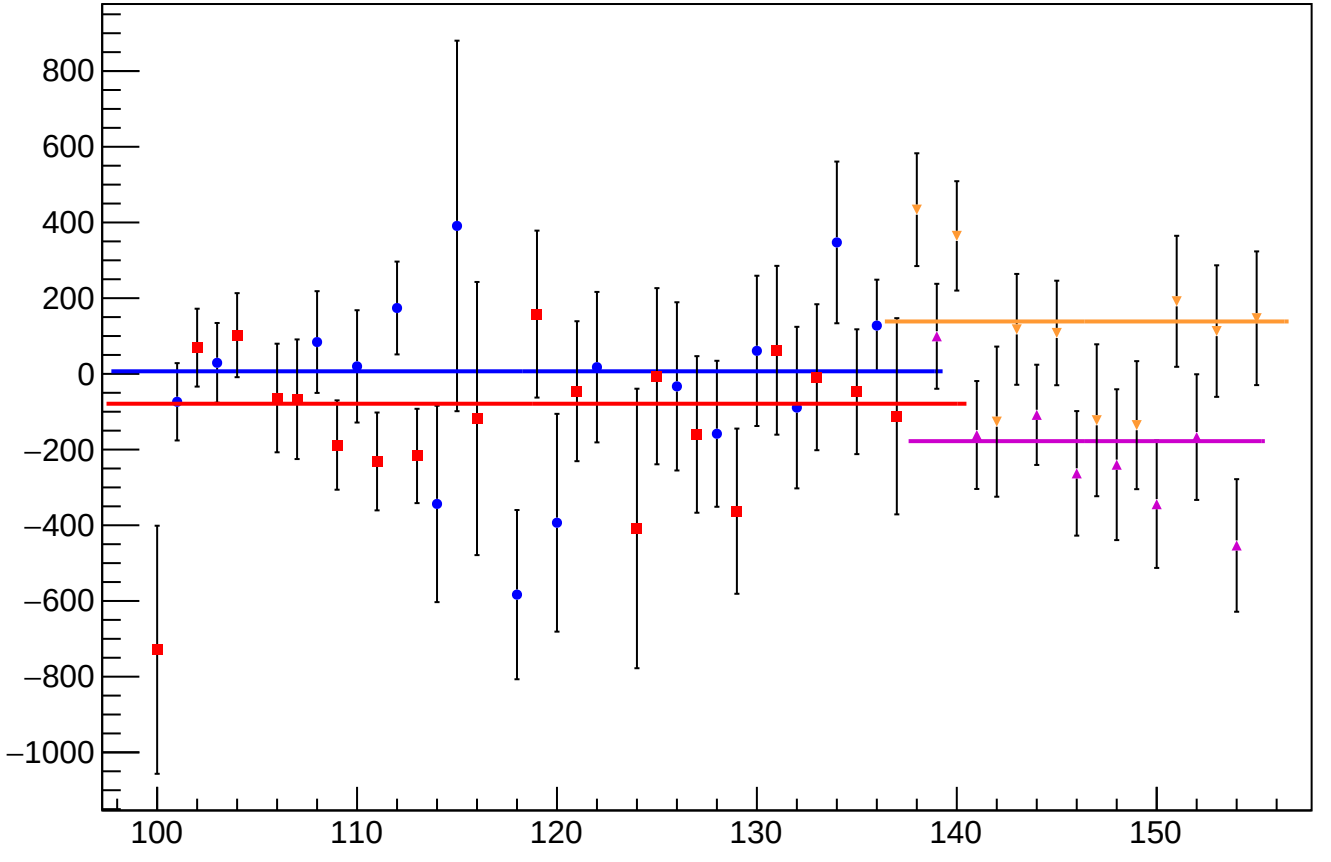
Left In: 0.000+/-0.000 χ^2/NDF:757705.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 3067906.3/25

All: 0.000+/-0.000 χ^2/NDF: 6528399.3/52

- sign 0.000+/-0.000 χ^2/NDF: 3453179.0/26

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 138.444+/-51.587 χ^2/NDF:12.7/9

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

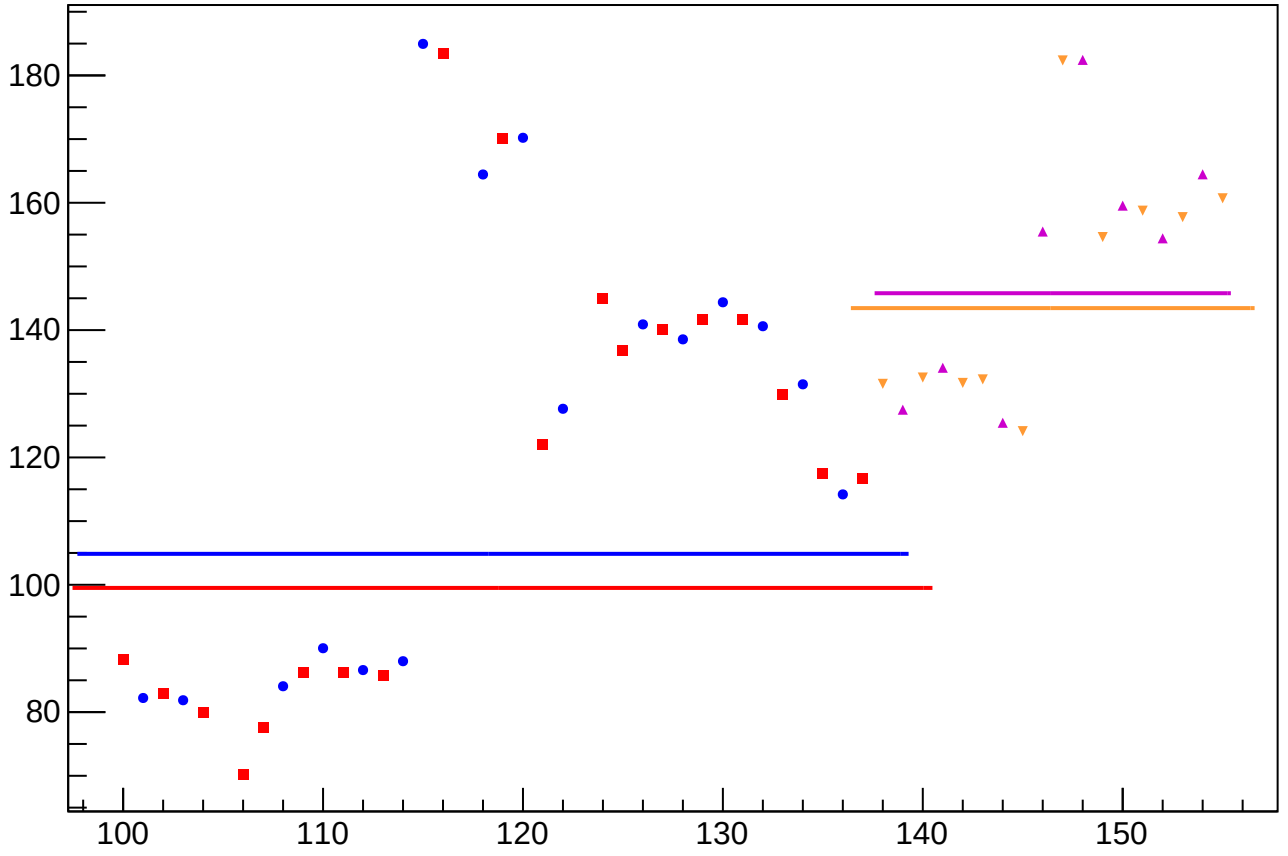
Left In: -177.730+/-55.511 χ^2/NDF:8.1/7

+ sign 56.780+/-31.784 χ^2/NDF: 35.5/25

All: -28.041+/-22.303 χ^2/NDF: 76.5/52

- sign -110.317+/-31.304 χ^2/NDF: 27.0/26

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 143.455+/-0.036 χ^2/NDF:214096.2/9

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

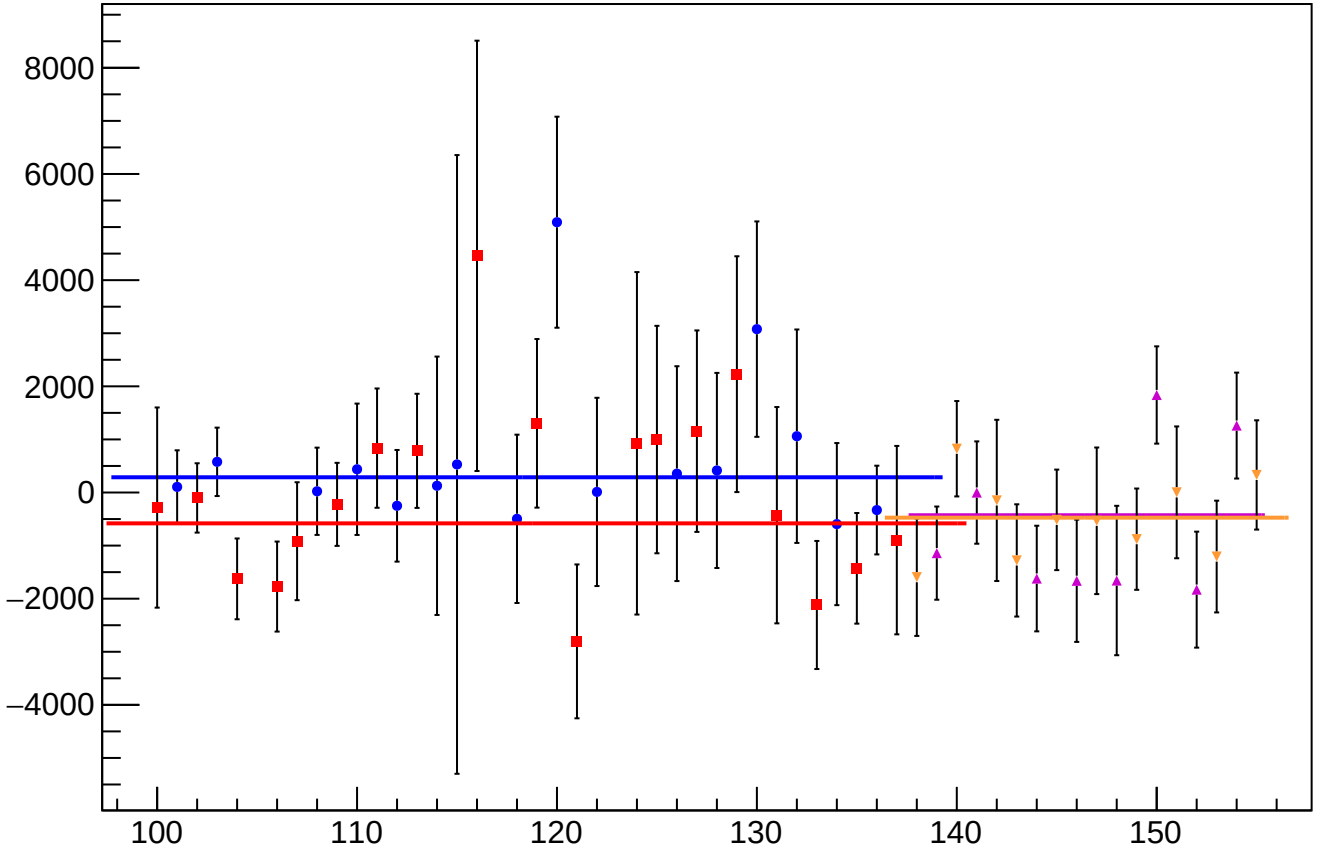
Left In: 145.793+/-0.039 χ^2/NDF:211601.3/7

+ sign 119.511+/-0.022 χ^2/NDF: 1839839.3/25

All: 116.829+/-0.016 χ^2/NDF: 4066824.9/52

- sign 114.227+/-0.022 χ^2/NDF: 2198926.3/26

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -473.831+/-340.633 χ^2/NDF:5.2/9

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

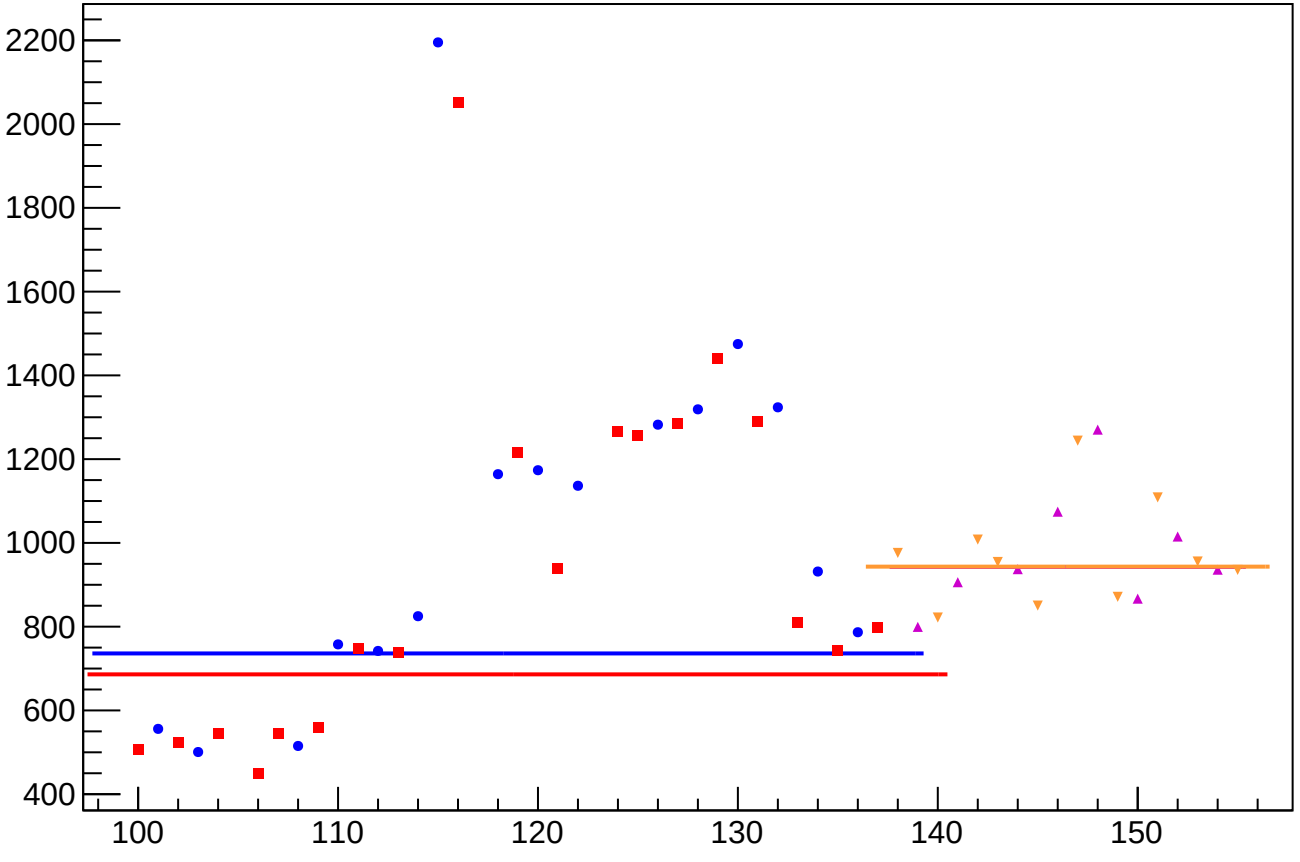
Left In: -428.527+/-360.884 χ^2/NDF:14.8/7

+ sign -37.192+/-222.337 χ^2/NDF: 17.7/25

All: -288.822+/-154.954 χ^2/NDF: 53.9/52

- sign -526.480+/-216.075 χ^2/NDF: 33.7/26

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 943.322+/-0.241 χ^2/NDF:203672.9/9

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

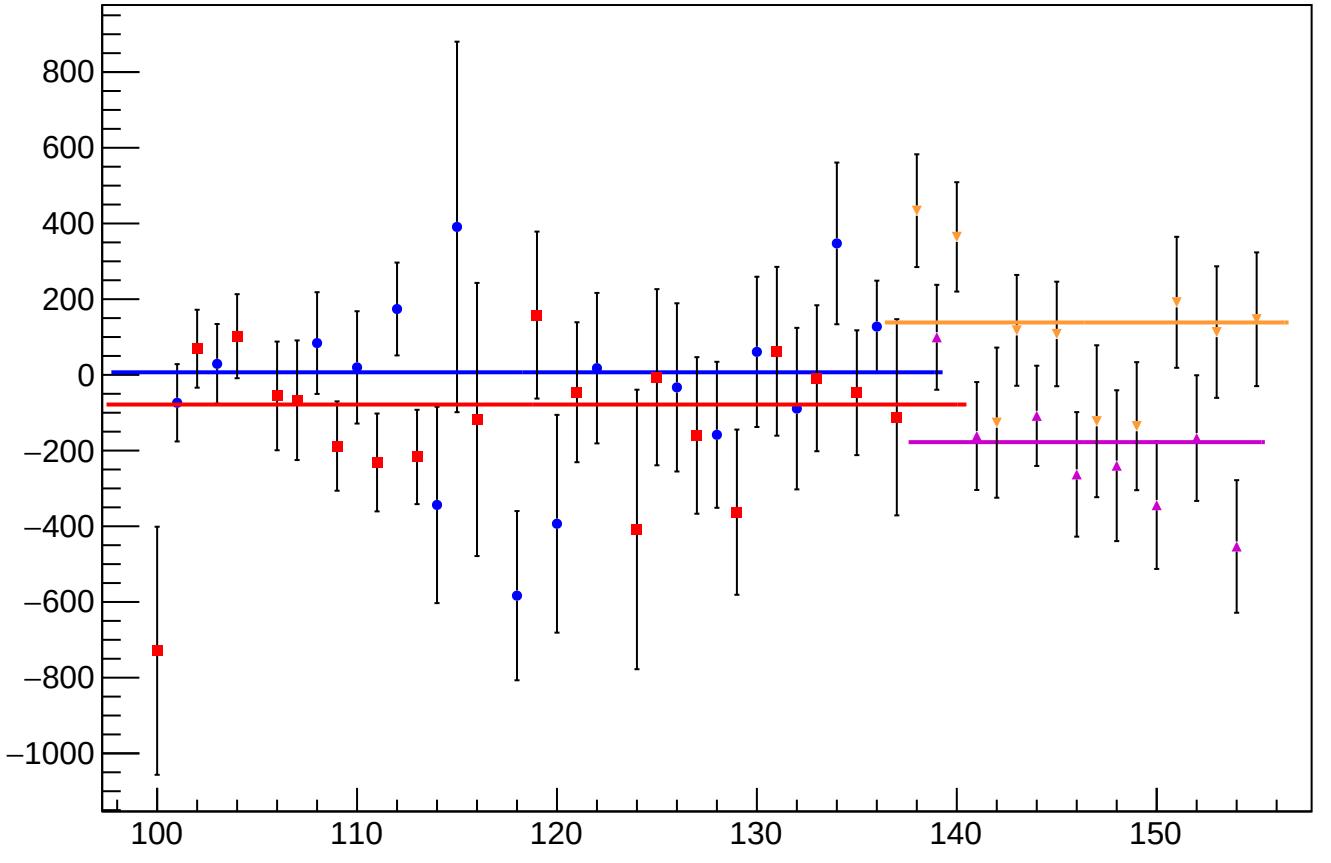
Left In: 942.470+/-0.255 χ^2/NDF:213490.1/7

+ sign 824.375+/-0.157 χ^2/NDF: 2473060.5/25

All: 800.531+/-0.110 χ^2/NDF: 5197904.3/52

- sign 778.010+/-0.153 χ^2/NDF: 2680115.8/26

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 138.447+/-51.587 χ^2/NDF:12.7/9

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

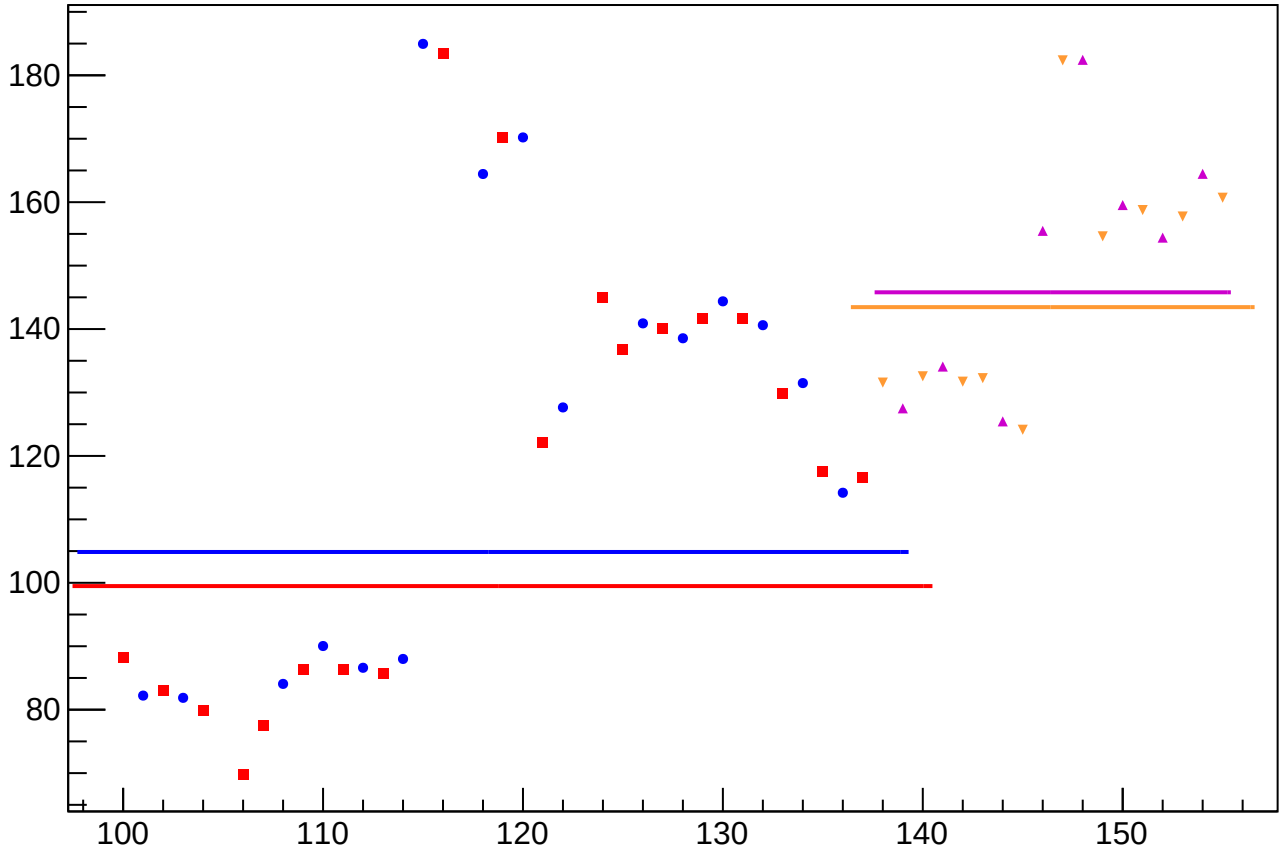
Left In: -177.729+/-55.511 χ^2/NDF:8.1/7

+ sign 56.774+/-31.784 χ^2/NDF: 35.5/25

All: -27.856+/-22.303 χ^2/NDF: 76.4/52

- sign -109.955+/-31.305 χ^2/NDF: 27.0/26

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 143.455+/-0.036 χ^2/NDF:214096.2/9

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

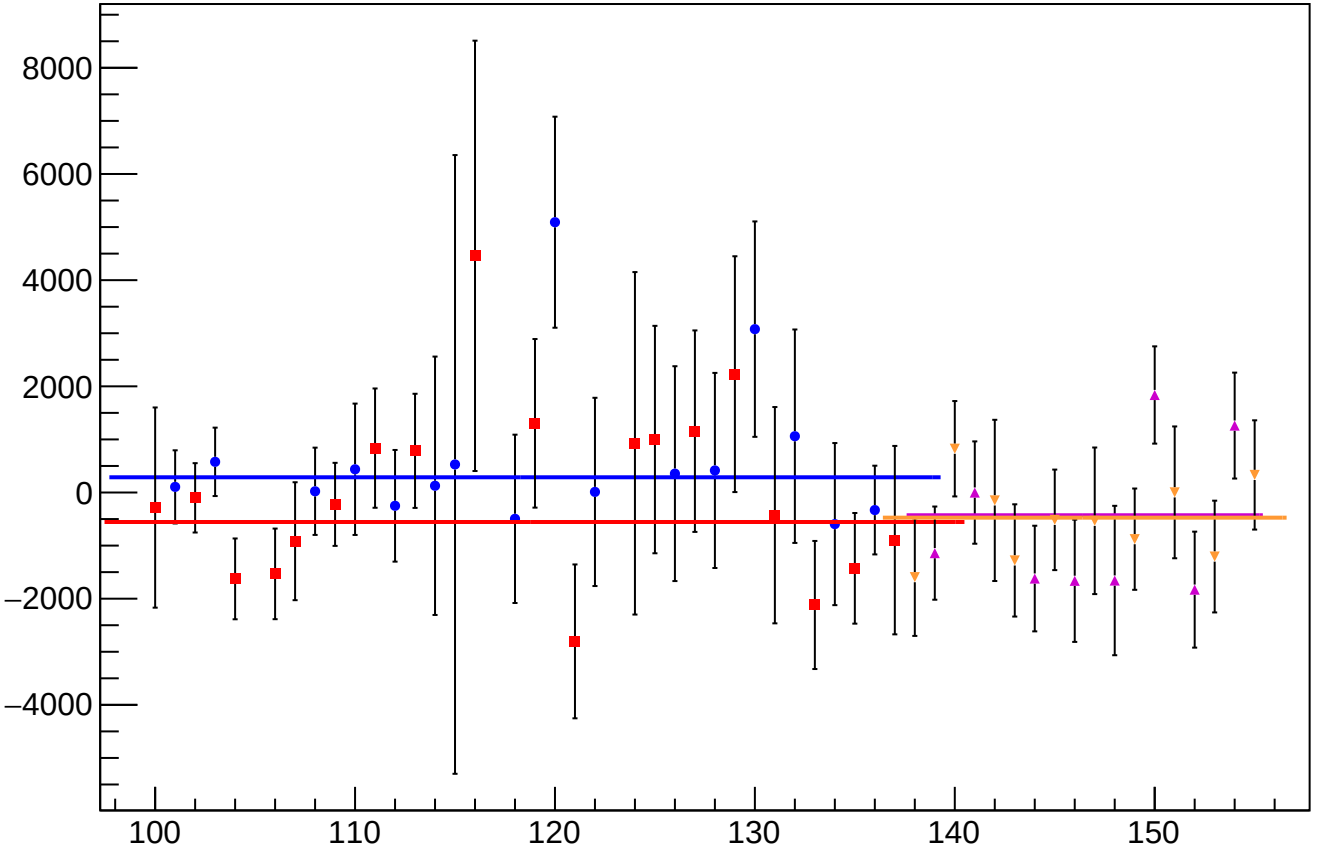
Left In: 145.793+/-0.039 χ^2/NDF:211601.3/7

+ sign 119.511+/-0.022 χ^2/NDF: 1839838.0/25

All: 116.821+/-0.016 χ^2/NDF: 4070103.6/52

- sign 114.212+/-0.022 χ^2/NDF: 2202049.5/26

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -473.826+/-340.633 χ^2/NDF:5.2/9

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

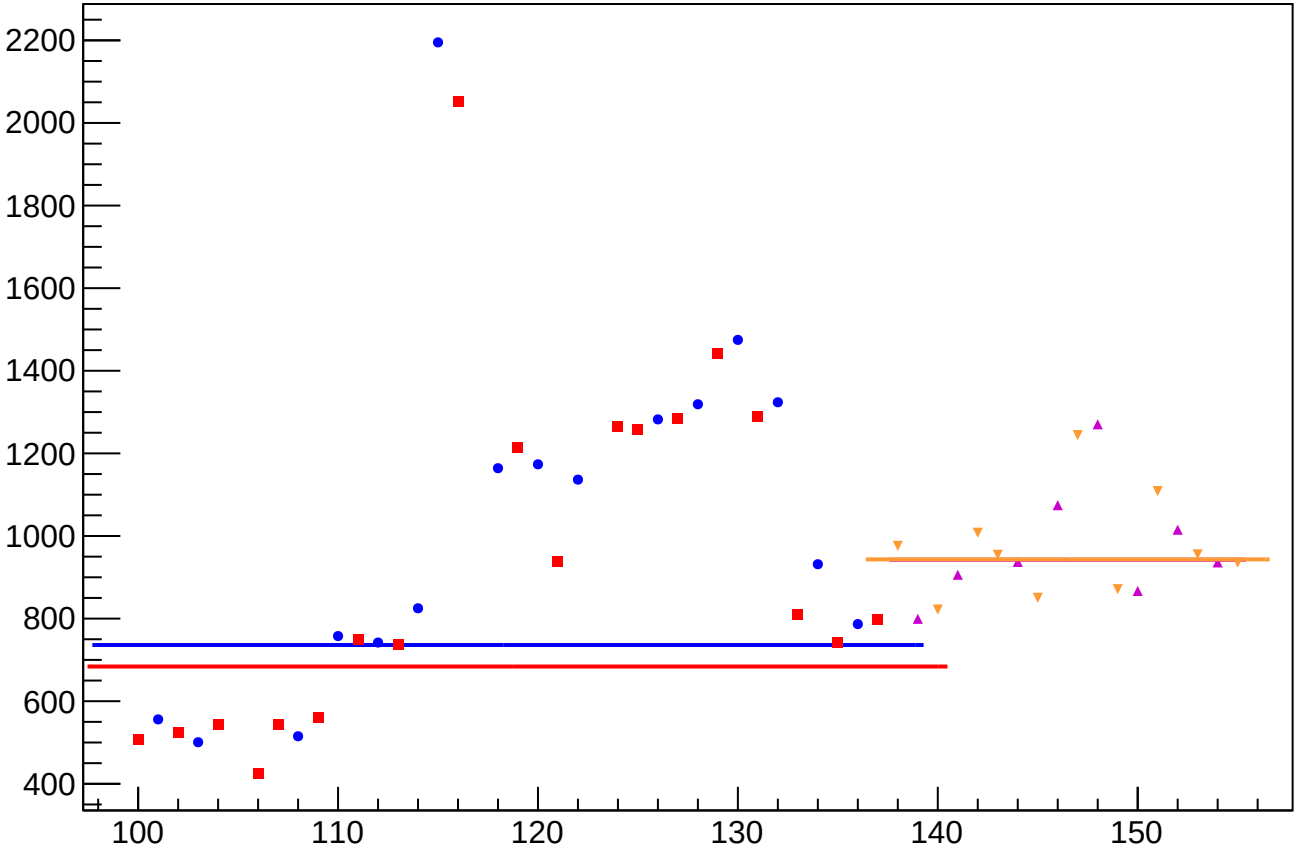
Left In: -428.520+/-360.884 χ^2/NDF:14.8/7

+ sign -37.187+/-222.336 χ^2/NDF: 17.7/25

All: -280.193+/-154.988 χ^2/NDF: 53.0/52

- sign -509.900+/-216.167 χ^2/NDF: 32.9/26

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 943.322+/-0.241 χ^2/NDF:203672.4/9

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

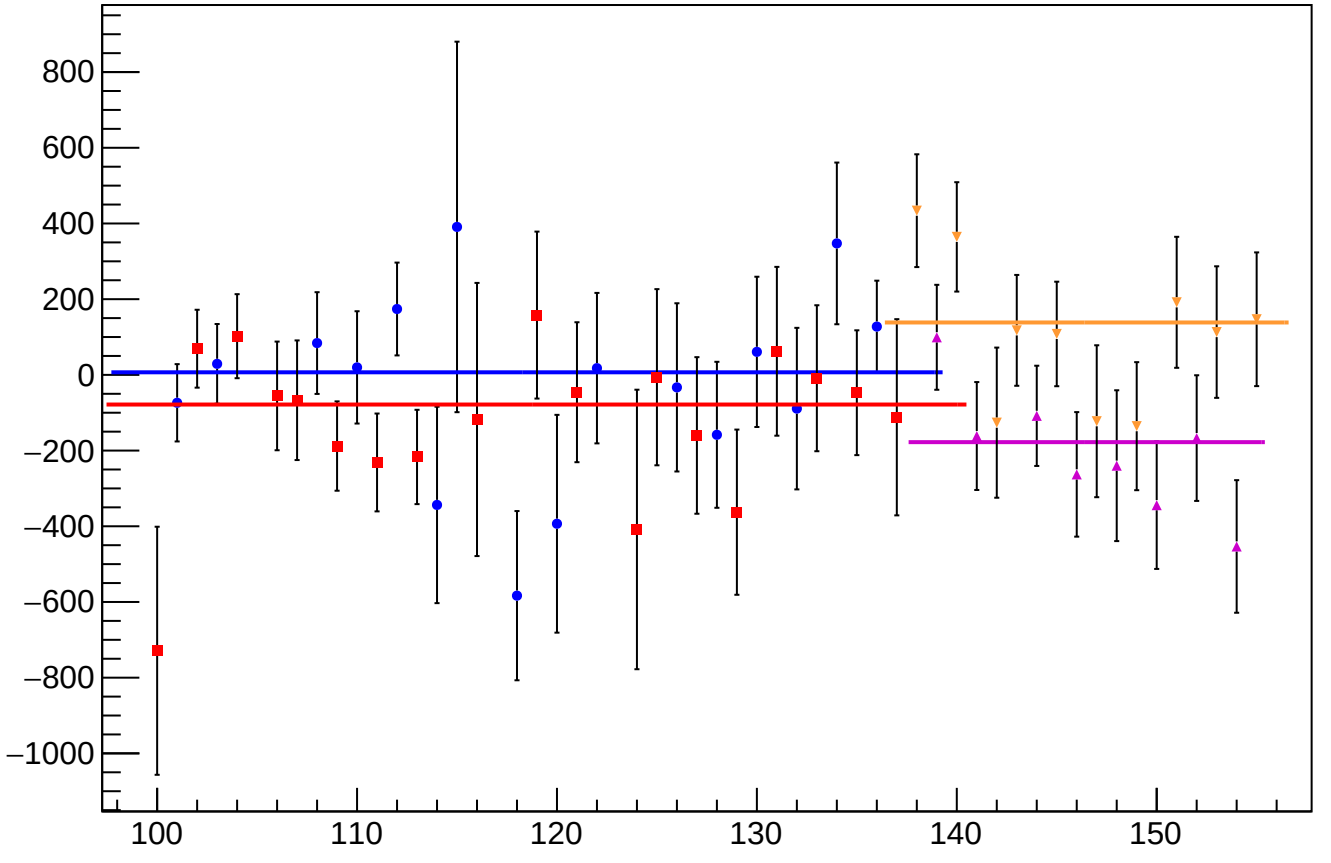
Left In: 942.470+/-0.255 χ^2/NDF:213490.2/7

+ sign 824.375+/-0.157 χ^2/NDF: 2473065.5/25

All: 799.879+/-0.110 χ^2/NDF: 5242111.8/52

- sign 776.724+/-0.153 χ^2/NDF: 2721822.2/26

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 138.447+/-51.587 χ^2/NDF:12.7/9

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

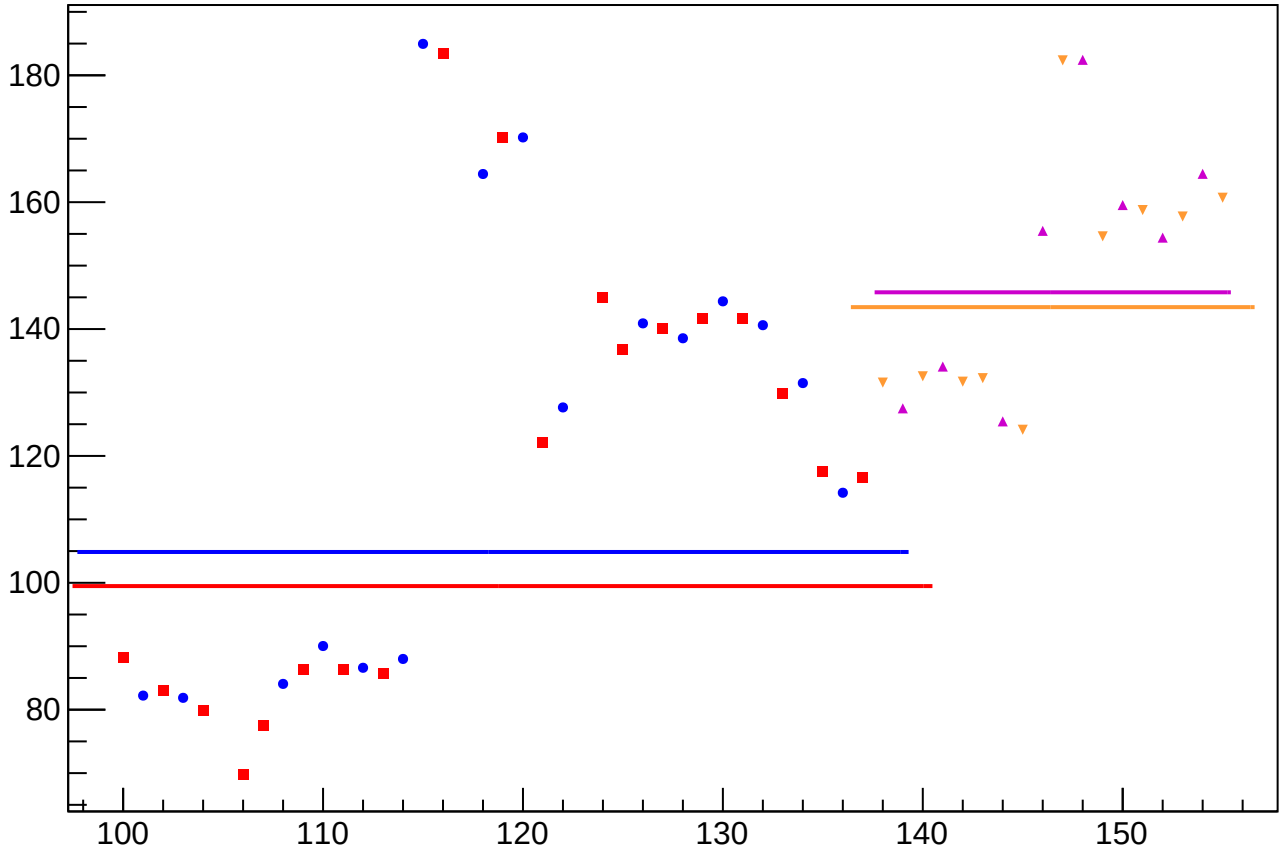
Left In: -177.729+/-55.511 χ^2/NDF:8.1/7

+ sign 56.774+/-31.784 χ^2/NDF: 35.5/25

All: -27.856+/-22.303 χ^2/NDF: 76.4/52

- sign -109.955+/-31.305 χ^2/NDF: 27.0/26

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 143.455+/-0.036 χ^2/NDF:214096.2/9

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

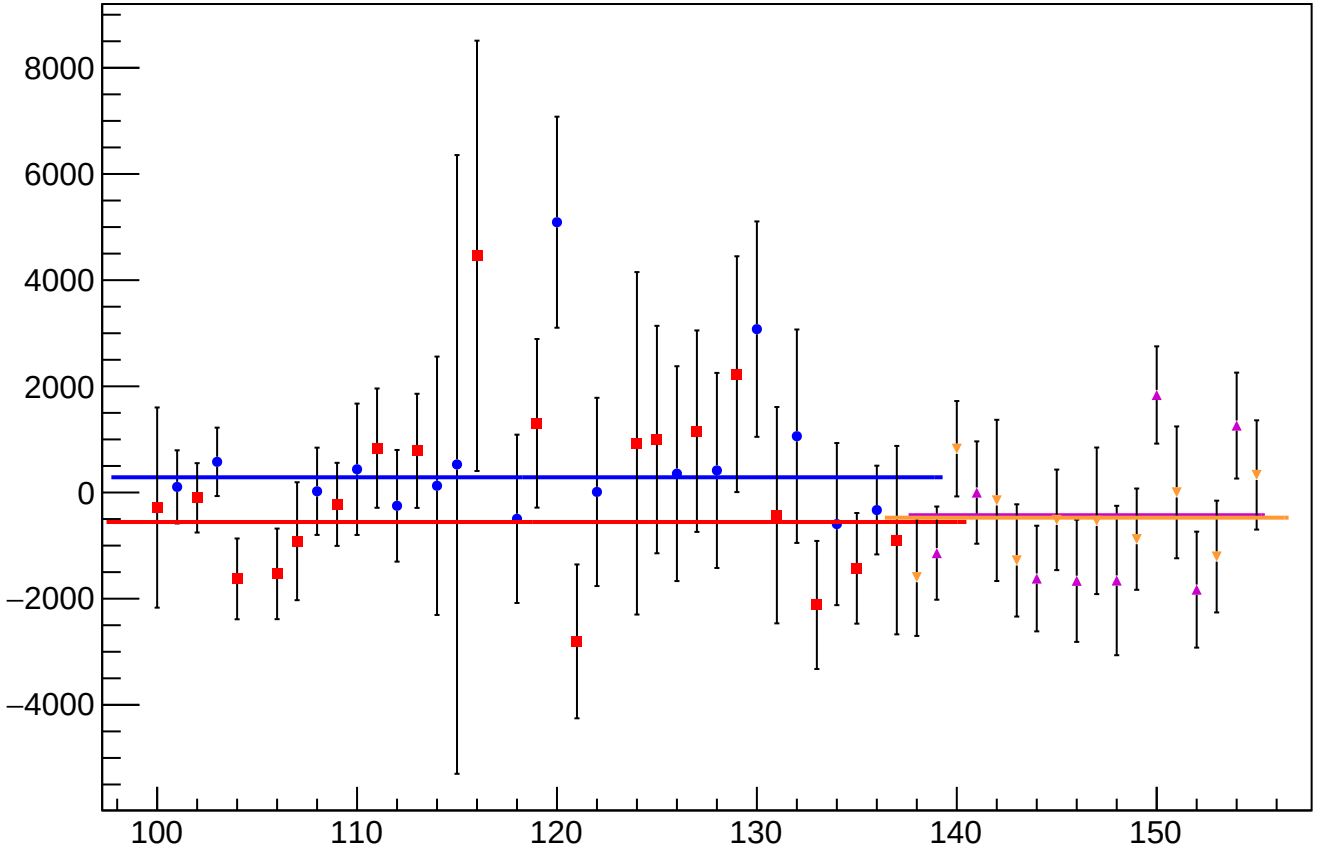
Left In: 145.793+/-0.039 χ^2/NDF:211601.3/7

+ sign 119.511+/-0.022 χ^2/NDF: 1839838.0/25

All: 116.821+/-0.016 χ^2/NDF: 4070103.6/52

- sign 114.212+/-0.022 χ^2/NDF: 2202049.5/26

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -473.826+/-340.633 χ^2/NDF:5.2/9

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

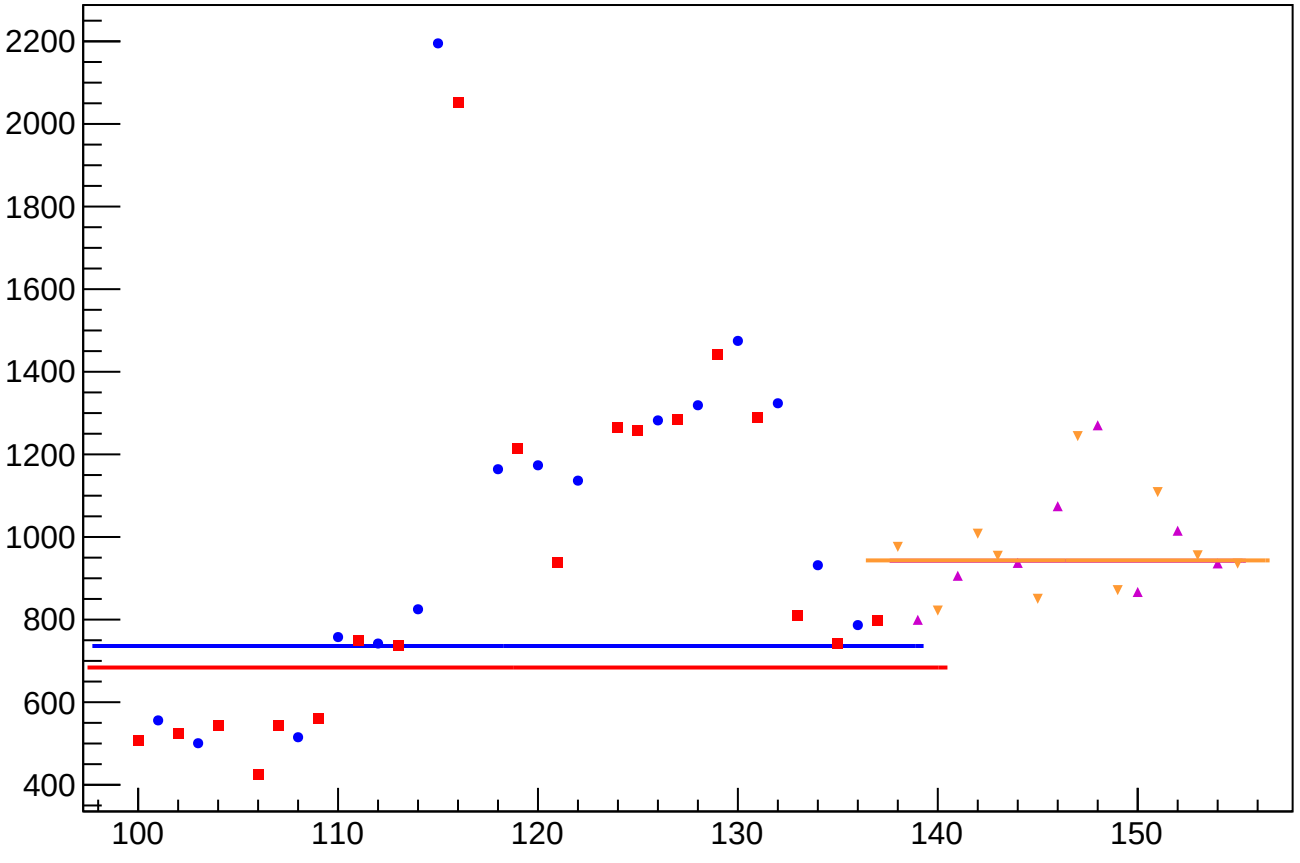
Left In: -428.520+/-360.884 χ^2/NDF:14.8/7

+ sign -37.187+/-222.336 χ^2/NDF: 17.7/25

All: -280.193+/-154.988 χ^2/NDF: 53.0/52

- sign -509.900+/-216.167 χ^2/NDF: 32.9/26

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 943.322+/-0.241 χ^2/NDF:203672.4/9

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

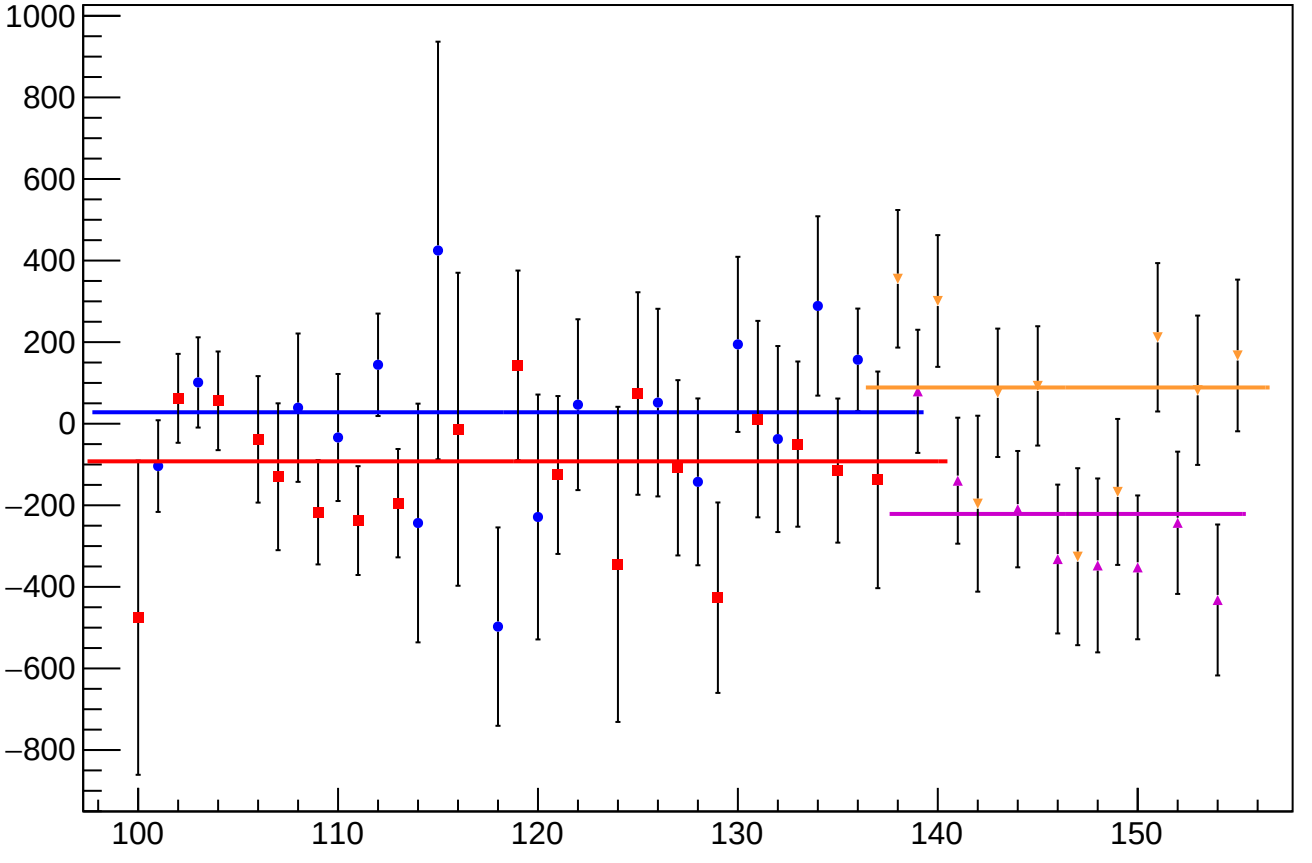
Left In: 942.470+/-0.255 χ^2/NDF:213490.2/7

\+ sign 824.375+/-0.157 χ^2/NDF: 2473065.5/25

All: 799.879+/-0.110 χ^2/NDF: 5242111.8/52

\- sign 776.724+/-0.153 χ^2/NDF: 2721822.2/26

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 88.847+/-55.596 χ^2/NDF:12.3/9

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

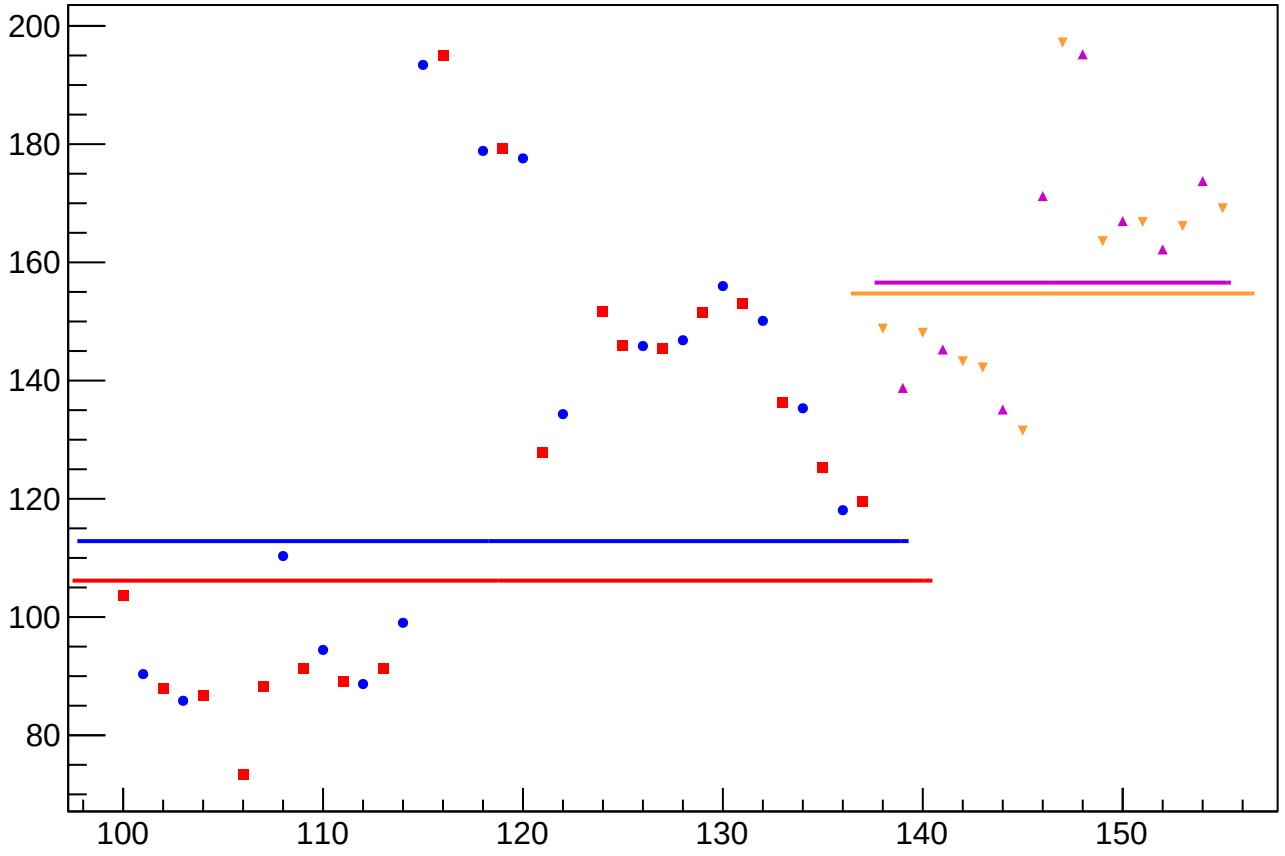
Left In: -221.195+/-59.629 χ^2/NDF:6.8/7

+ sign 51.124+/-34.229 χ^2/NDF: 26.6/25

All: -42.856+/-23.951 χ^2/NDF: 63.1/52

- sign -133.007+/-33.525 χ^2/NDF: 21.7/26

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 154.735+/-0.039 χ^2/NDF:184647.6/9

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

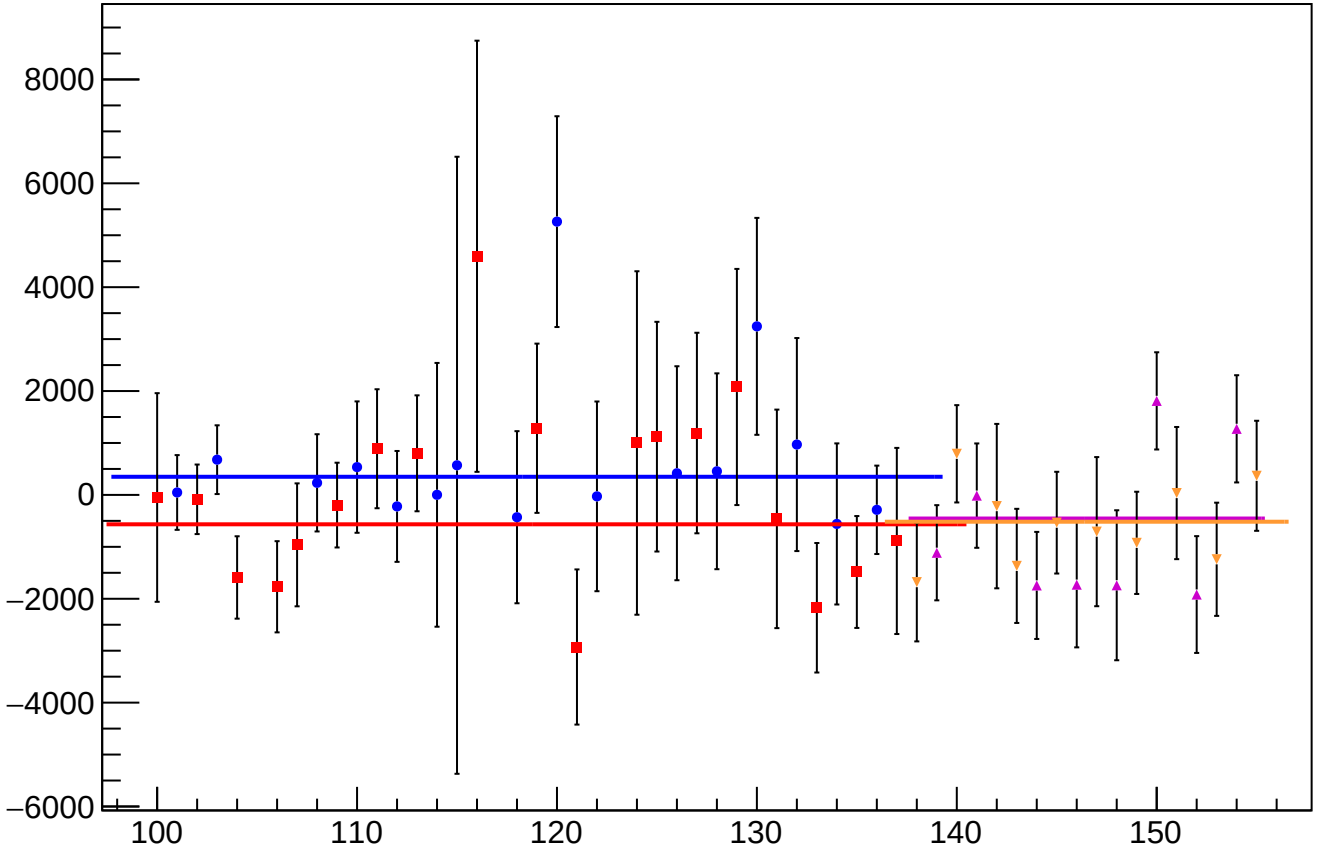
Left In: 156.577+/-0.042 χ^2/NDF:188644.2/7

+ sign 128.723+/-0.024 χ^2/NDF: 1762004.4/25

All: 125.340+/-0.017 χ^2/NDF: 3968945.6/52

- sign 122.096+/-0.024 χ^2/NDF: 2168678.1/26

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.288+/-352.583 χ^2/NDF:5.1/9

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

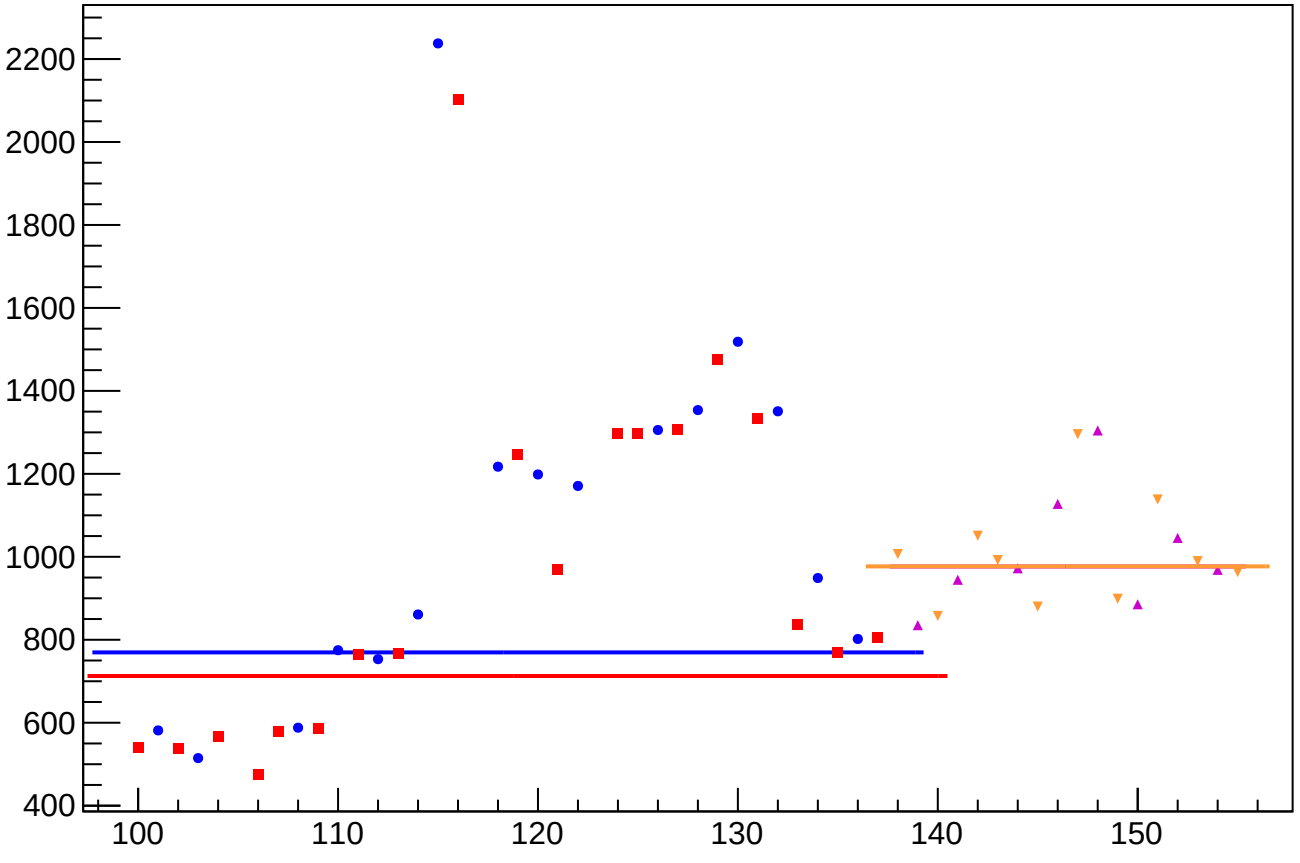
Left In: -454.868+/-373.750 χ^2/NDF:14.5/7

+ sign -21.749+/-230.812 χ^2/NDF: 18.4/25

All: -281.883+/-160.631 χ^2/NDF: 53.7/52

- sign -526.209+/-223.689 χ^2/NDF: 32.9/26

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 976.916+/-0.249 χ^2/NDF:202024.1/9

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

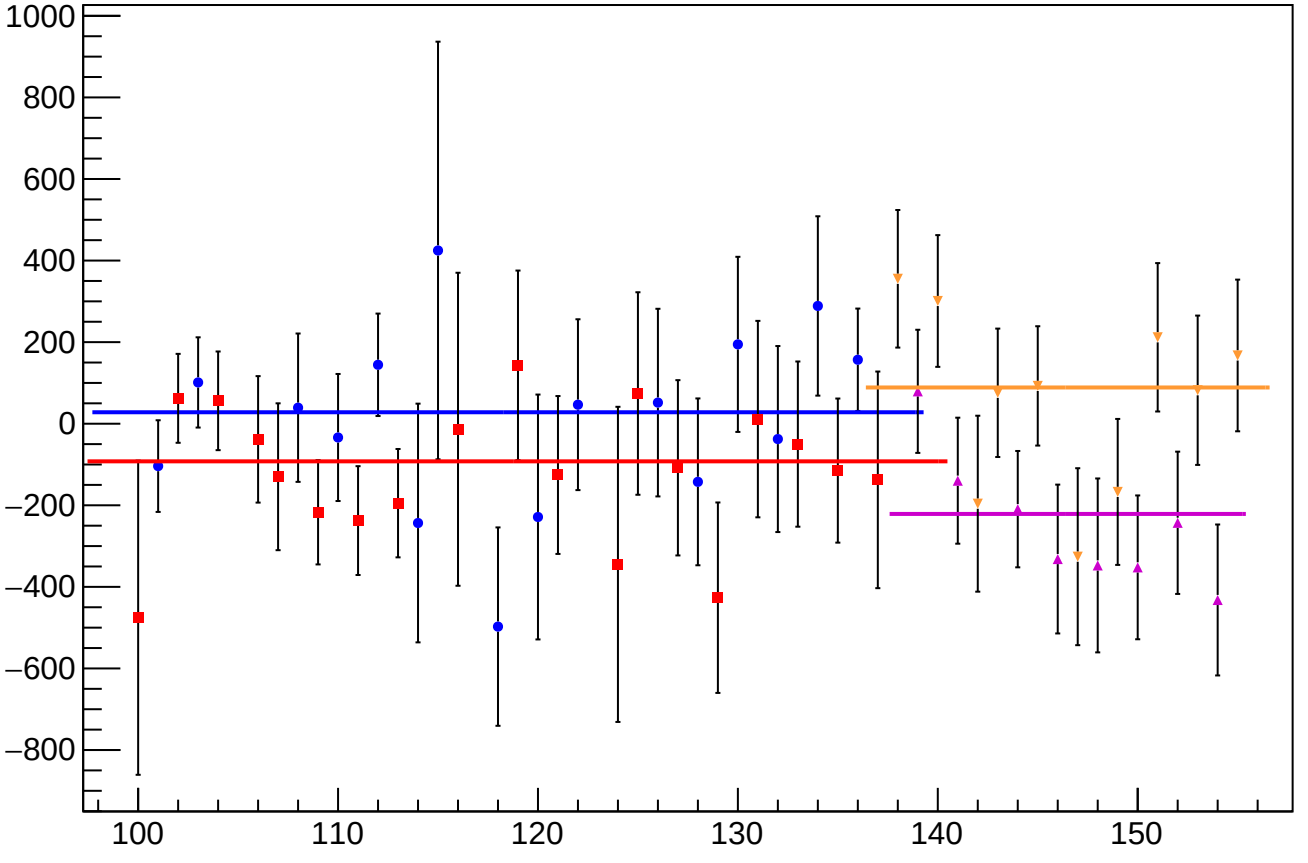
Left In: 976.617+/-0.264 χ^2/NDF:210660.9/7

+ sign 858.419+/-0.163 χ^2/NDF: 2337269.2/25

All: 832.002+/-0.114 χ^2/NDF: 5006343.9/52

- sign 807.189+/-0.158 χ^2/NDF: 2618266.1/26

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 88.848+/-55.596 χ^2/NDF:12.3/9

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

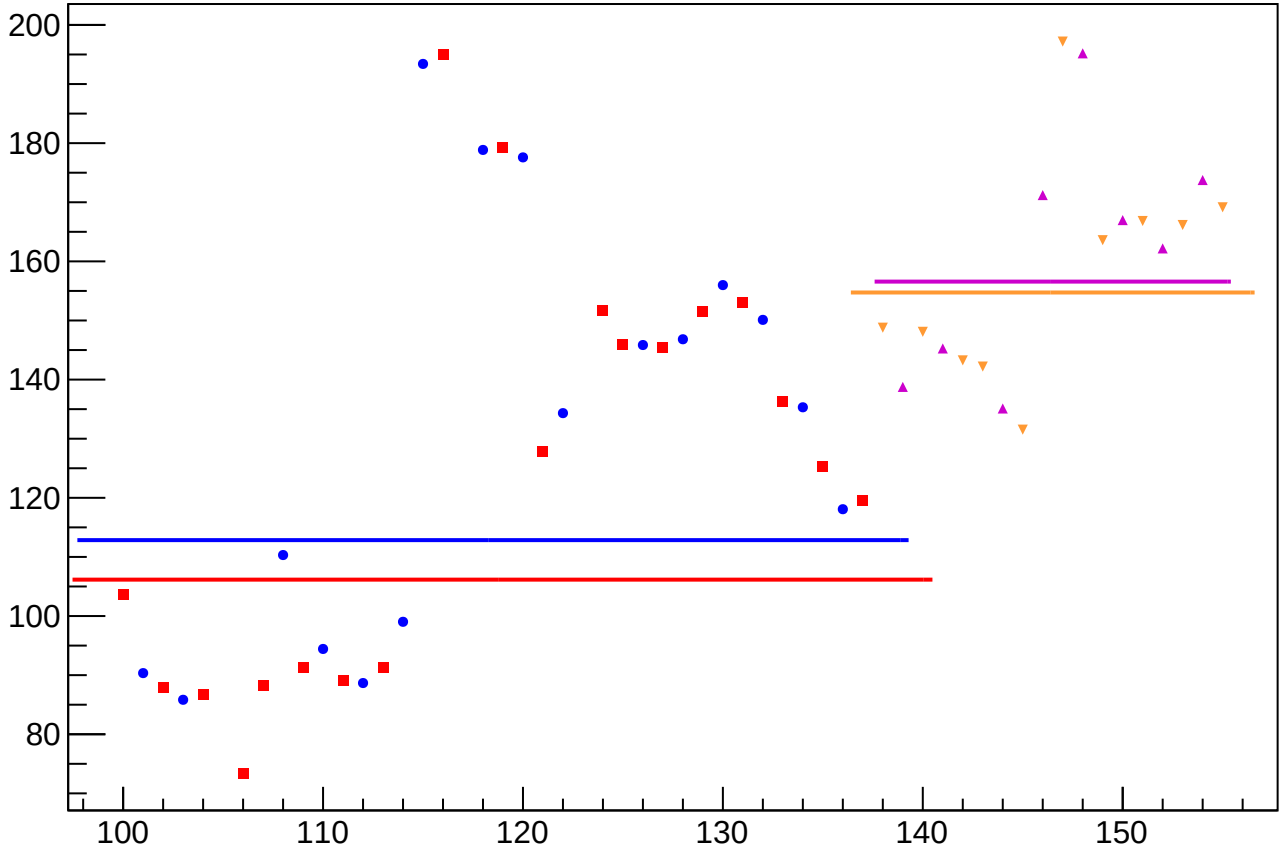
Left In: -221.196+/-59.629 χ^2/NDF:6.8/7

+ sign 51.123+/-34.229 χ^2/NDF: 26.6/25

All: -42.856+/-23.951 χ^2/NDF: 63.1/52

- sign -133.007+/-33.525 χ^2/NDF: 21.7/26

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 154.736+/-0.039 χ^2/NDF:184650.1/9

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

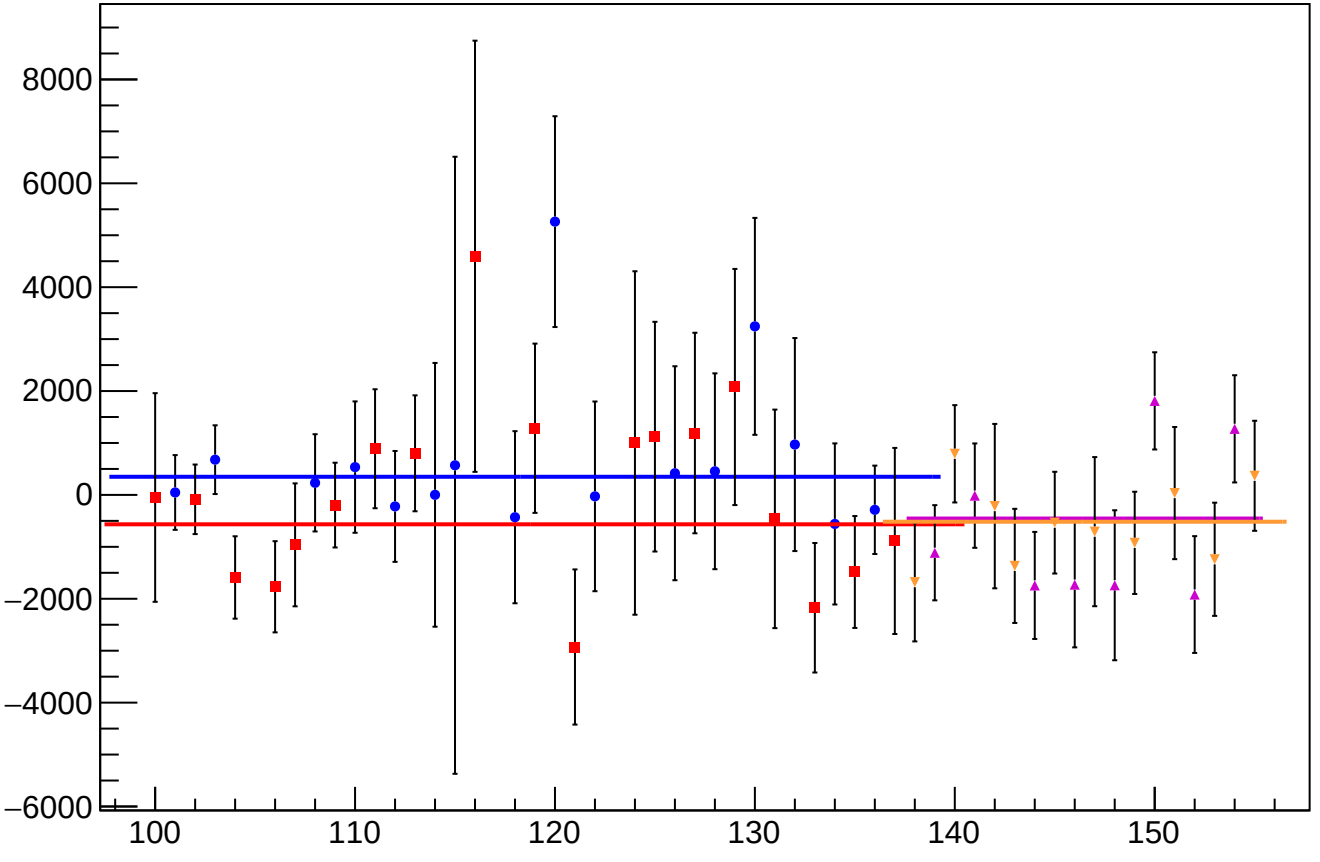
Left In: 156.578+/-0.042 χ^2/NDF:188643.2/7

+ sign 128.723+/-0.024 χ^2/NDF: 1762020.8/25

All: 125.340+/-0.017 χ^2/NDF: 3968972.7/52

- sign 122.096+/-0.024 χ^2/NDF: 2168689.4/26

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.288+/-352.584 χ^2/NDF:5.1/9

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

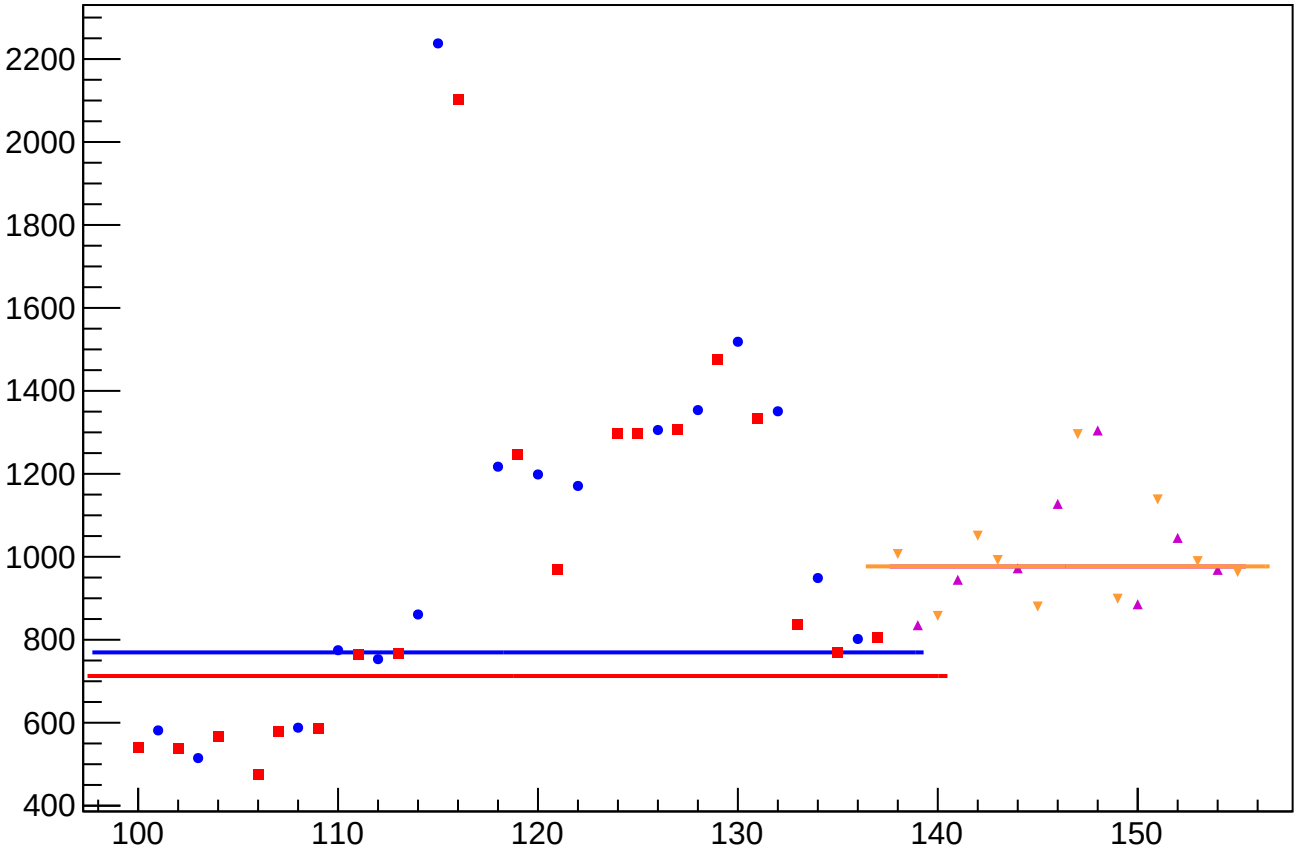
Left In: -454.870+/-373.750 χ^2/NDF:14.5/7

+ sign -21.748+/-230.812 χ^2/NDF: 18.4/25

All: -281.884+/-160.631 χ^2/NDF: 53.7/52

- sign -526.210+/-223.689 χ^2/NDF: 32.9/26

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 976.918+/-0.249 χ^2/NDF:202023.8/9

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

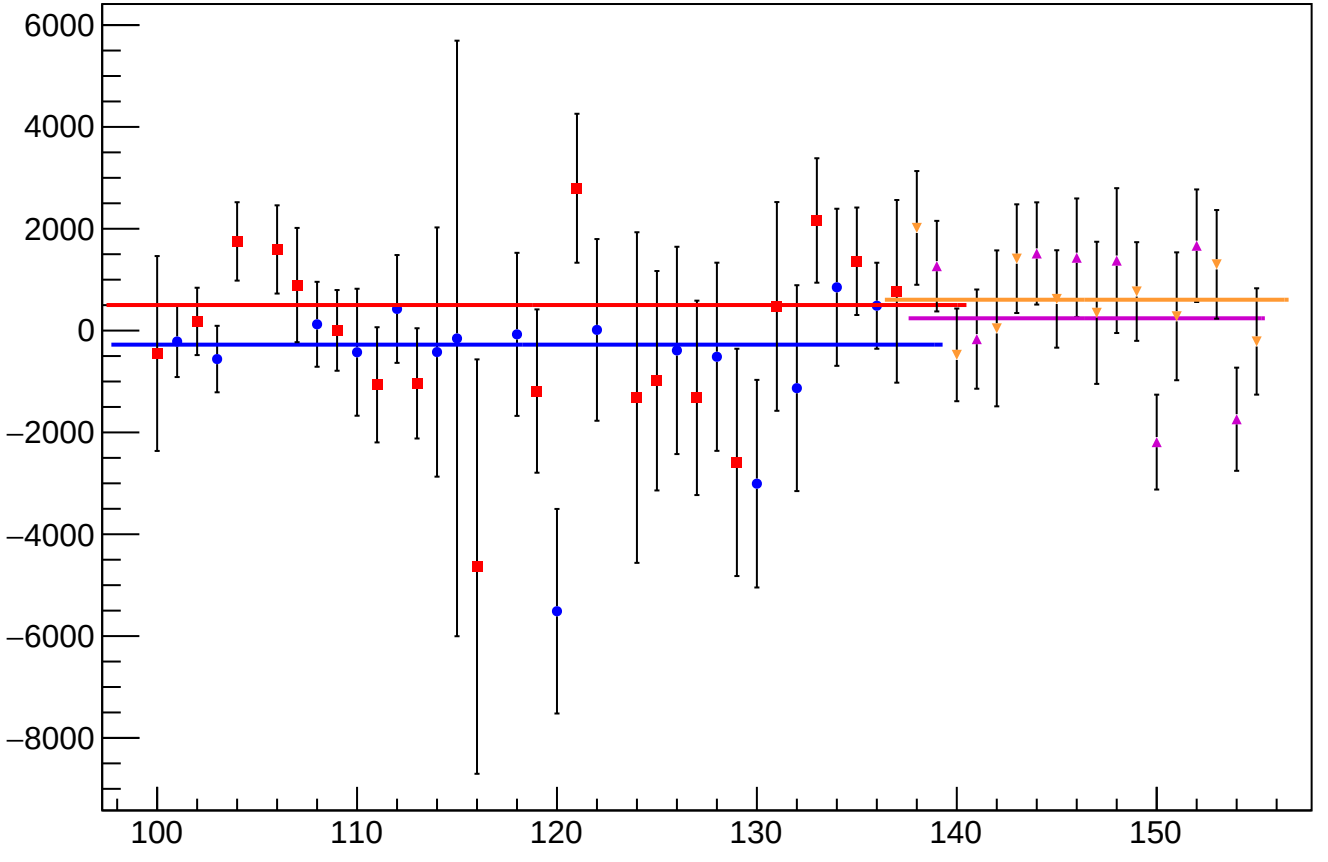
Left In: 976.619+/-0.264 χ^2/NDF:210660.5/7

+ sign 858.419+/-0.163 χ^2/NDF: 2337277.8/25

All: 832.001+/-0.114 χ^2/NDF: 5006360.8/52

- sign 807.189+/-0.158 χ^2/NDF: 2618274.0/26

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 606.031+/-344.767 χ^2/NDF:4.9/9

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

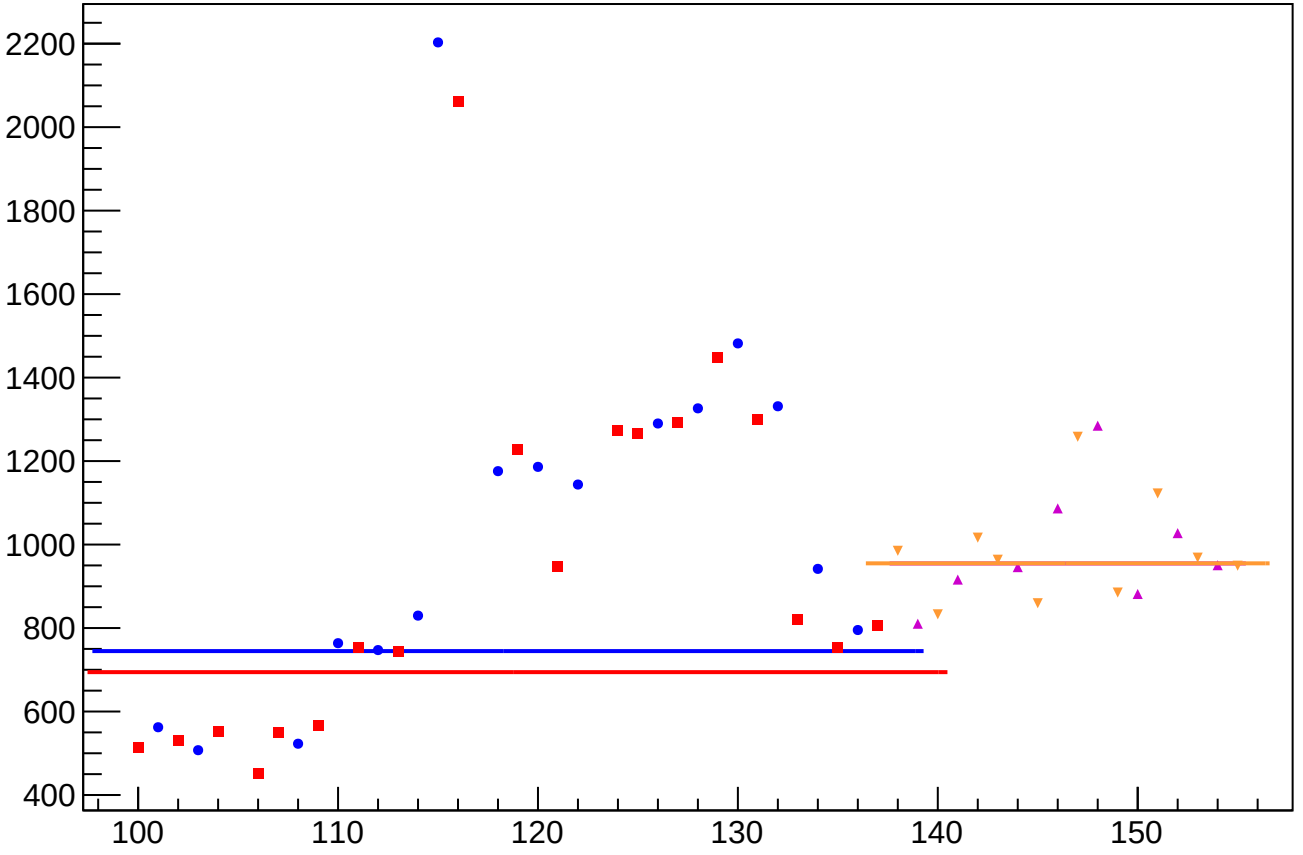
Left In: 241.490+/-365.451 χ^2/NDF:17.1/7

+ sign 99.190+/-224.892 χ^2/NDF: 19.7/25

All: 258.253+/-156.791 χ^2/NDF: 58.6/52

- sign 408.688+/-218.707 χ^2/NDF: 37.9/26

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 955.006+/-0.244 χ^2/NDF:201581.0/9

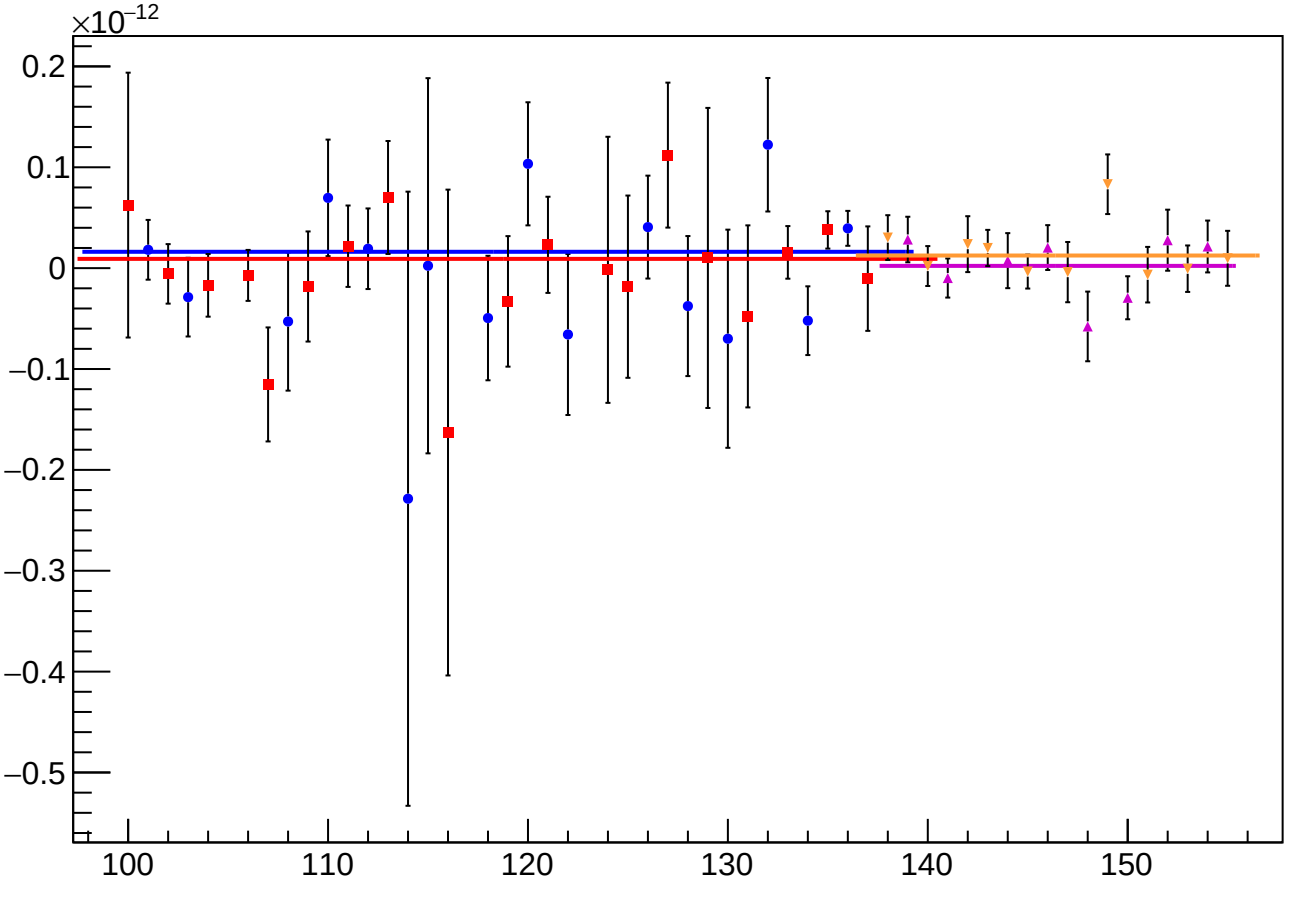
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 954.705+/-0.258 χ^2/NDF:210375.0/7

+ sign 834.233+/-0.159 χ^2/NDF: 2451336.4/25

All: 810.264+/-0.111 χ^2/NDF: 5161195.2/52

- sign 787.596+/-0.155 χ^2/NDF: 2665655.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/9

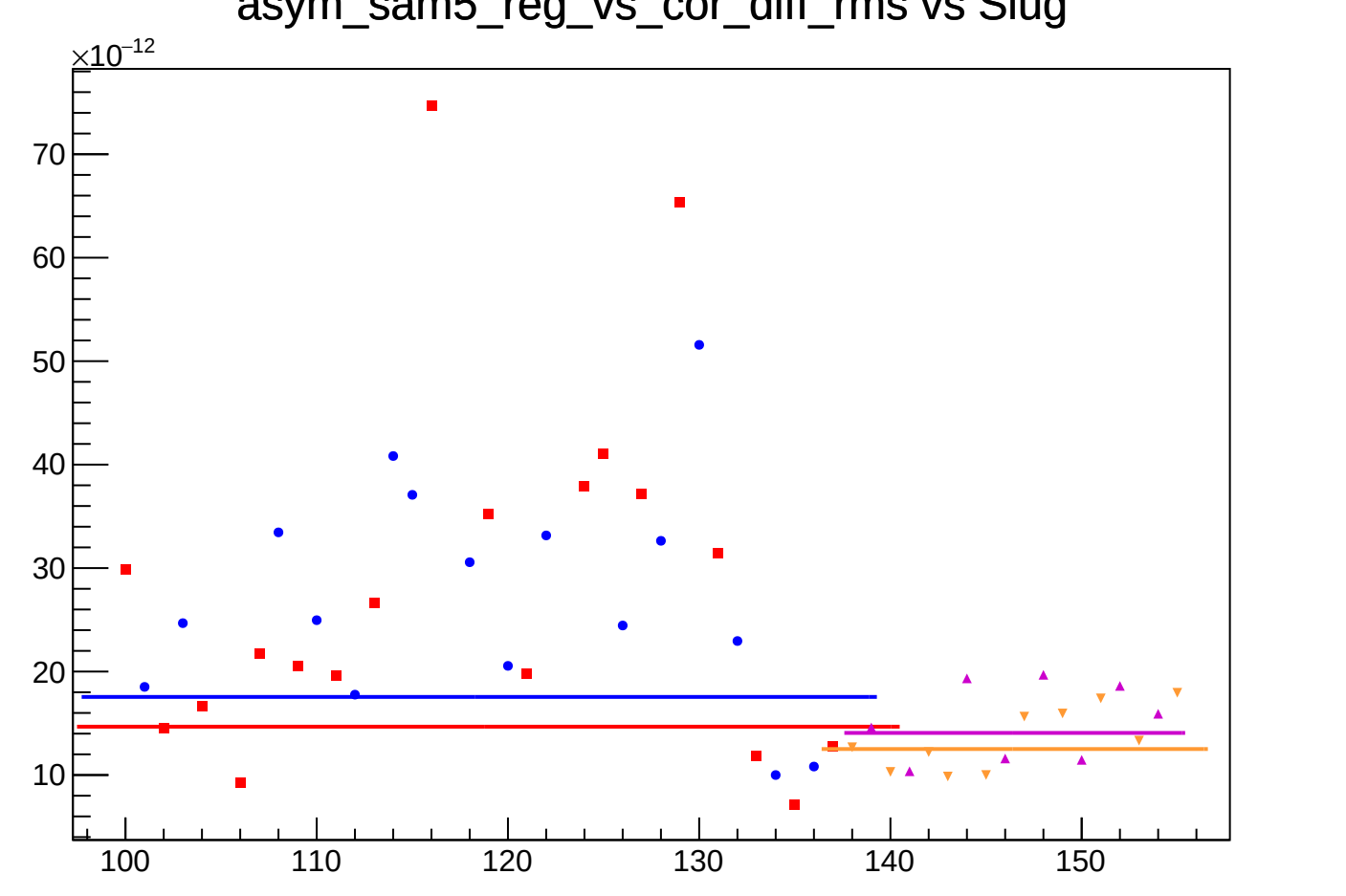
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 27.0/25

All: 0.000+/-0.000 χ^2/NDF: 51.2/52

- sign 0.000+/-0.000 χ^2/NDF: 23.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:307934.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

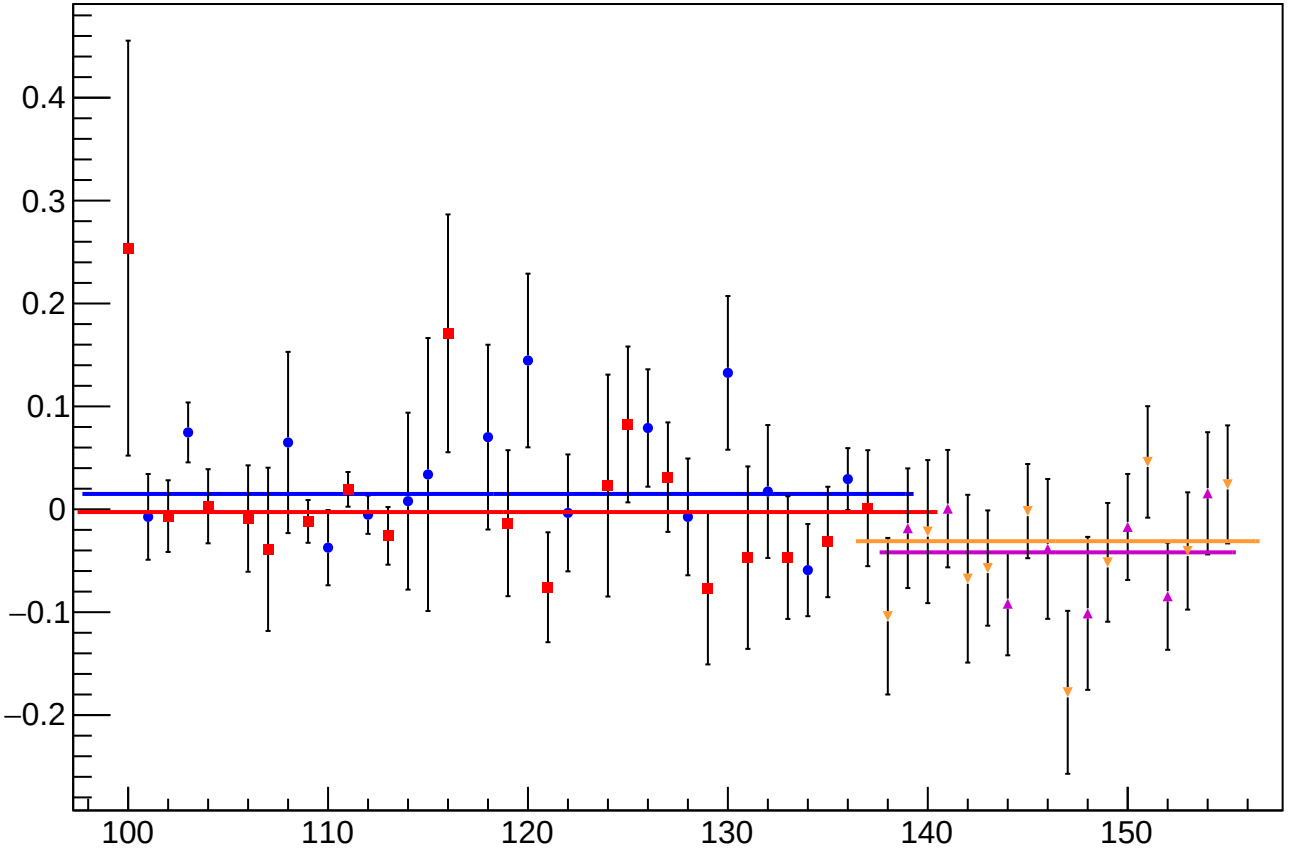
Left In: 0.000+/-0.000 χ^2/NDF:311682.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 1770414.3/25

All: 0.000+/-0.000 χ^2/NDF: 3829993.2/52

- sign 0.000+/-0.000 χ^2/NDF: 2057783.6/26

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.019 χ^2/NDF:8.3/9

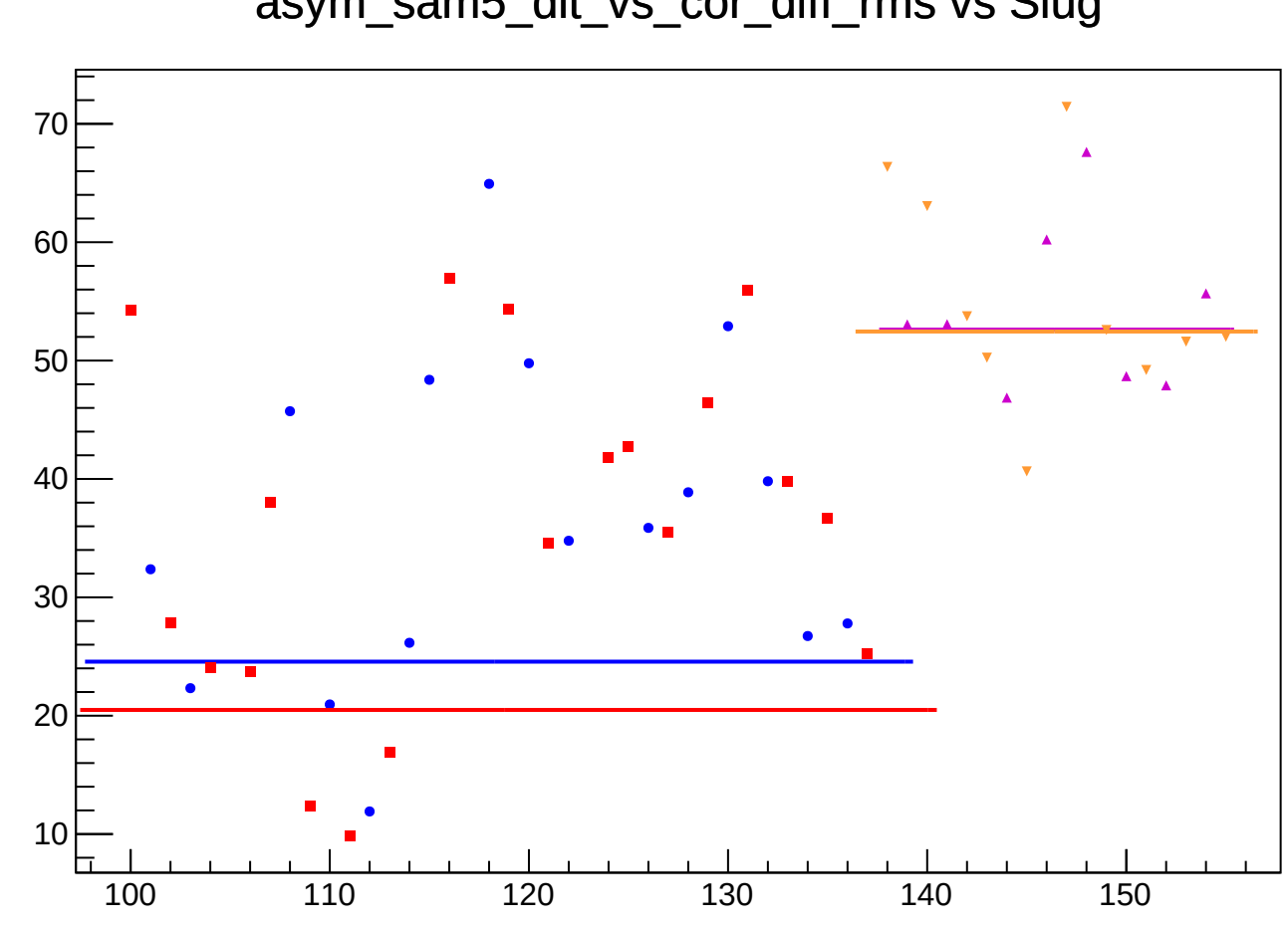
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.042+/-0.020 χ^2/NDF:4.2/7

+ sign 0.004+/-0.009 χ^2/NDF: 30.5/25

All: -0.003+/-0.006 χ^2/NDF: 51.4/52

- sign -0.009+/-0.008 χ^2/NDF: 19.7/26



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.456+/-0.014 χ^2/NDF:372824.0/9

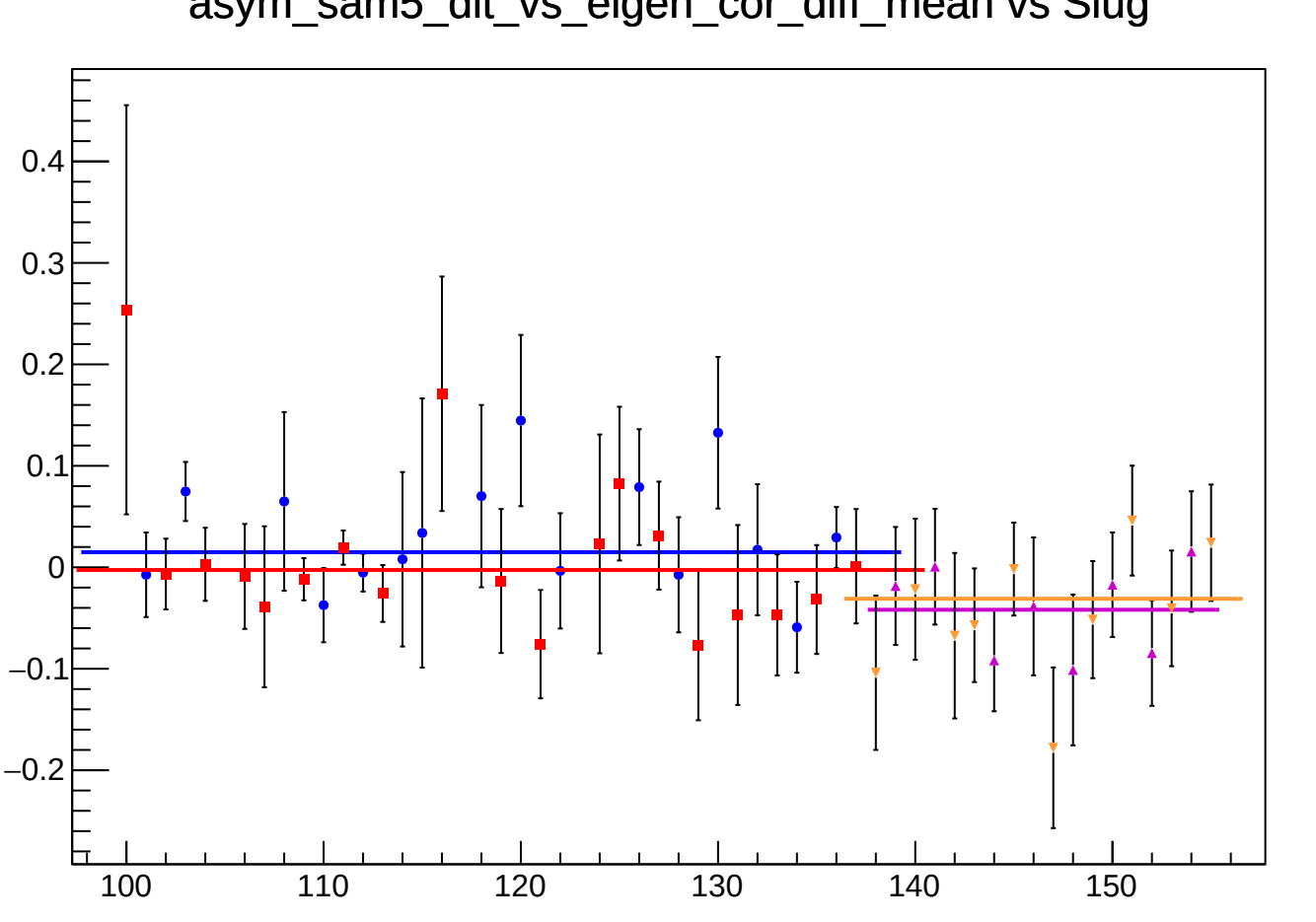
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.619+/-0.014 χ^2/NDF:166500.6/7

+ sign 31.116+/-0.007 χ^2/NDF: 6116973.1/25

All: 28.303+/-0.004 χ^2/NDF: 14357374.6/52

- sign 25.990+/-0.006 χ^2/NDF: 7904117.4/26



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.019 χ^2/NDF:8.3/9

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

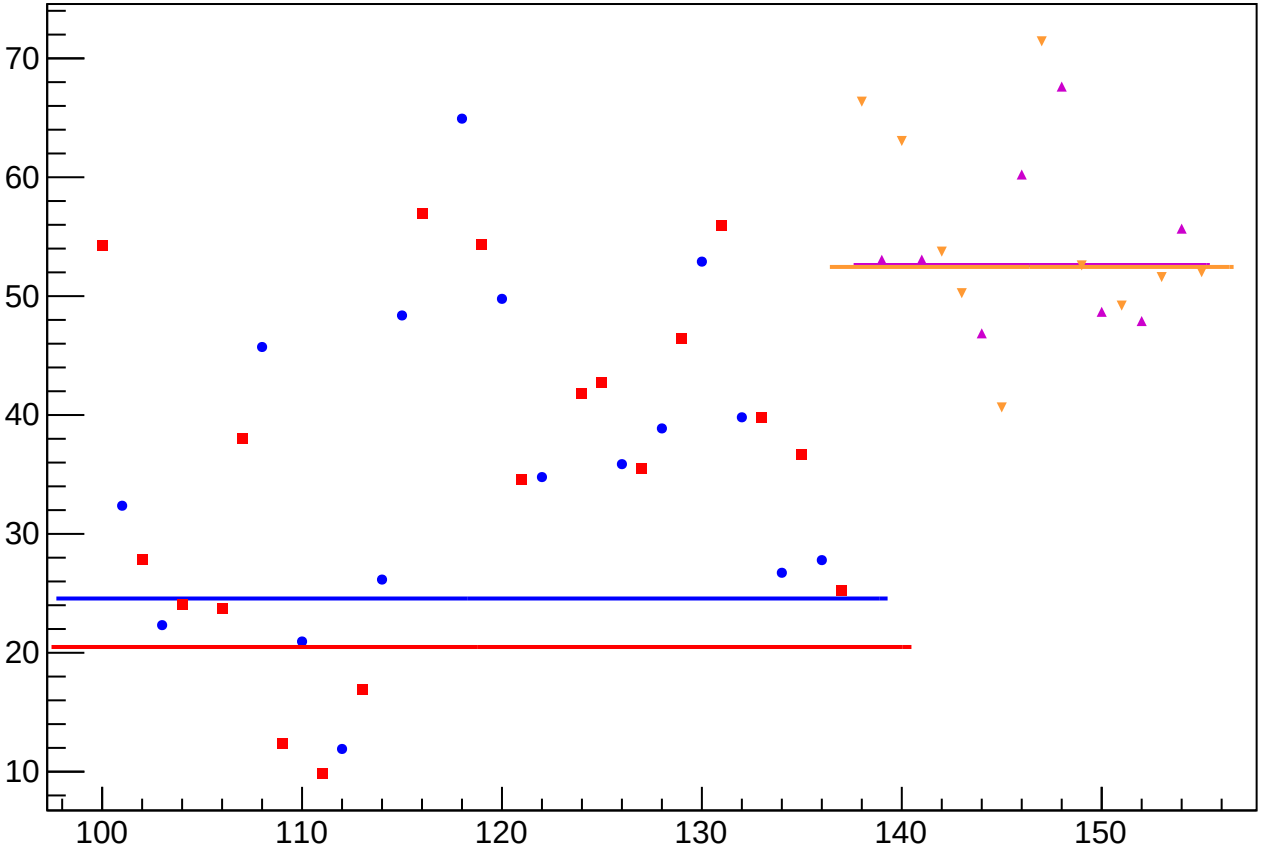
Left In: -0.042+/-0.020 χ^2/NDF:4.2/7

+ sign 0.004+/-0.009 χ^2/NDF: 30.5/25

All: -0.003+/-0.006 χ^2/NDF: 51.4/52

- sign -0.009+/-0.008 χ^2/NDF: 19.7/26

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.456+/-0.014 χ^2/NDF:372824.0/9

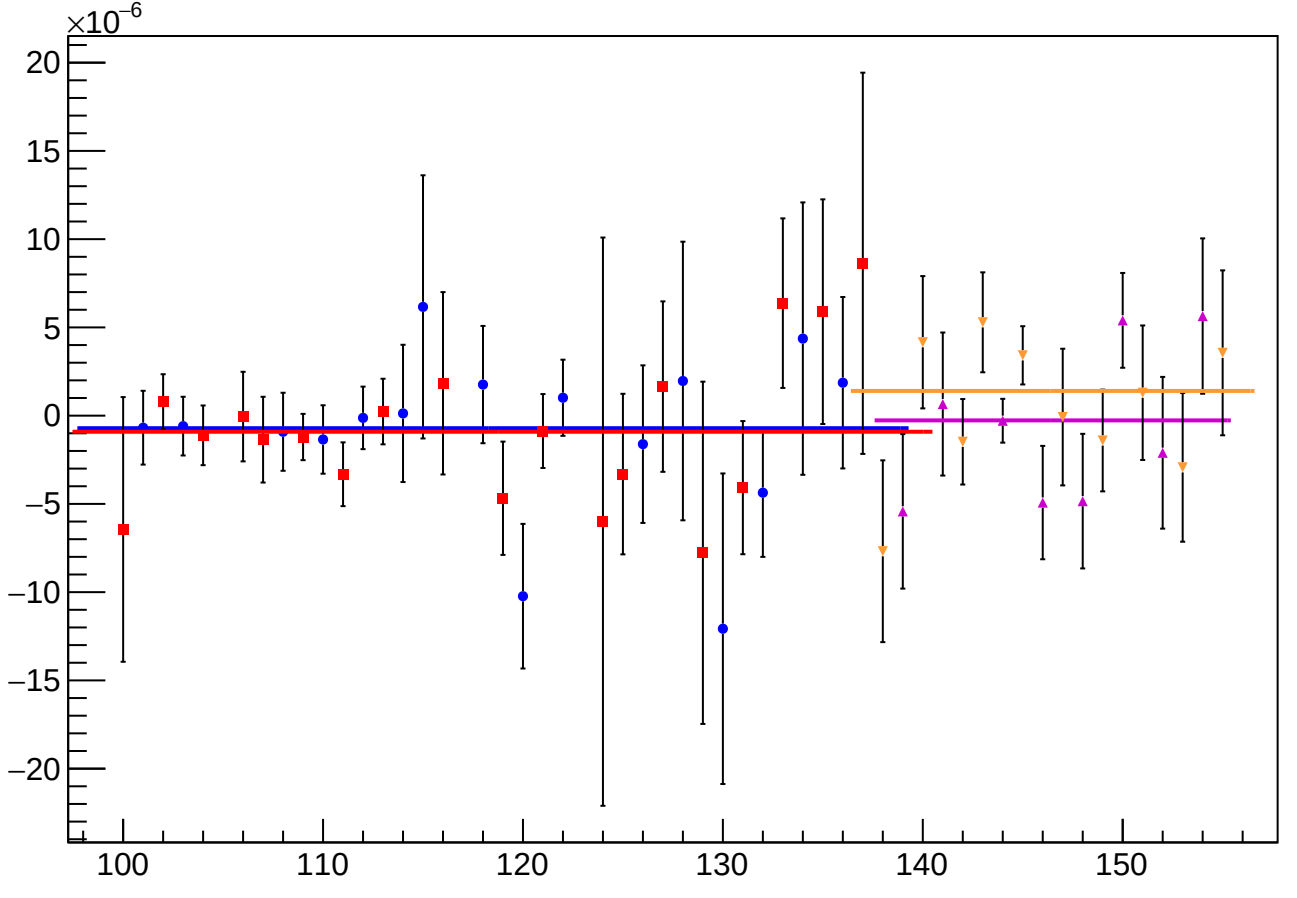
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.619+/-0.014 χ^2/NDF:166500.6/7

+ sign 31.116+/-0.007 χ^2/NDF: 6116973.1/25

All: 28.303+/-0.004 χ^2/NDF: 14357374.6/52

- sign 25.990+/-0.006 χ^2/NDF: 7904117.4/26



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/9

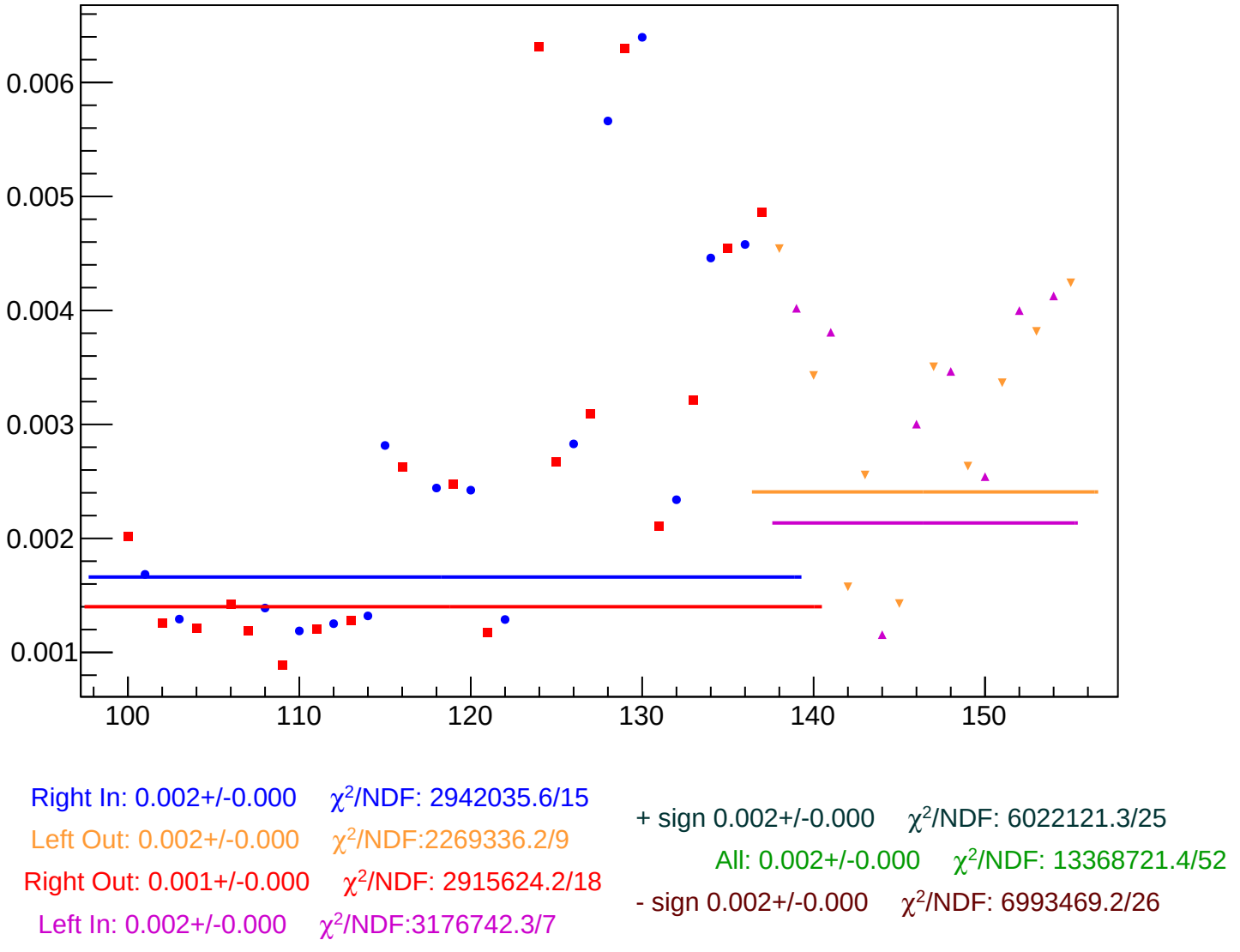
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/7

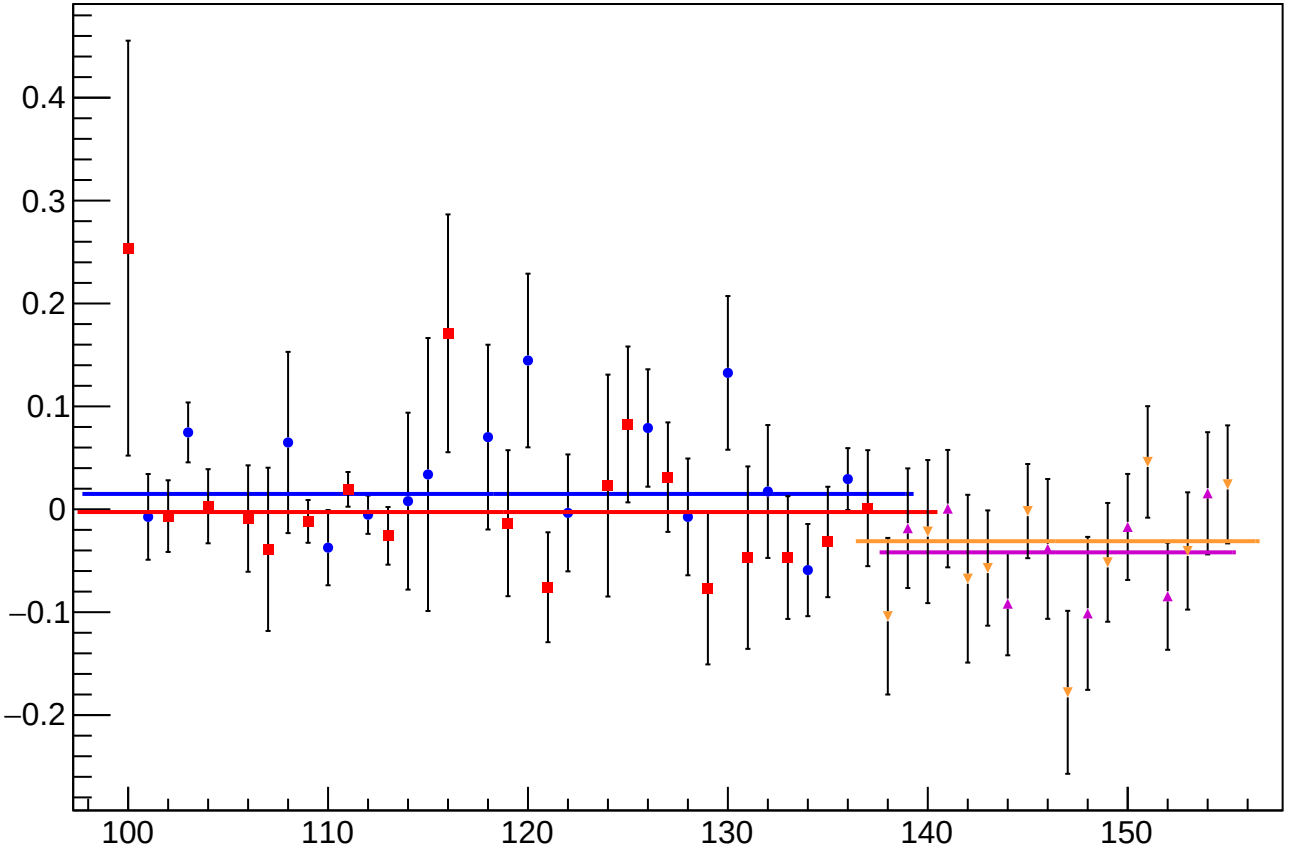
+ sign 0.000+/-0.000 χ^2/NDF: 25.3/25

All: -0.000+/-0.000 χ^2/NDF: 50.0/52

- sign -0.000+/-0.000 χ^2/NDF: 23.6/26


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
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2269336.2/9
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:3176742.3/7
+ sign 0.002+/-0.000 χ²/NDF: 6022121.3/25
All: 0.002+/-0.000 χ²/NDF: 13368721.4/52
- sign 0.002+/-0.000 χ²/NDF: 6993469.2/26

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.019 χ^2/NDF:8.3/9

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

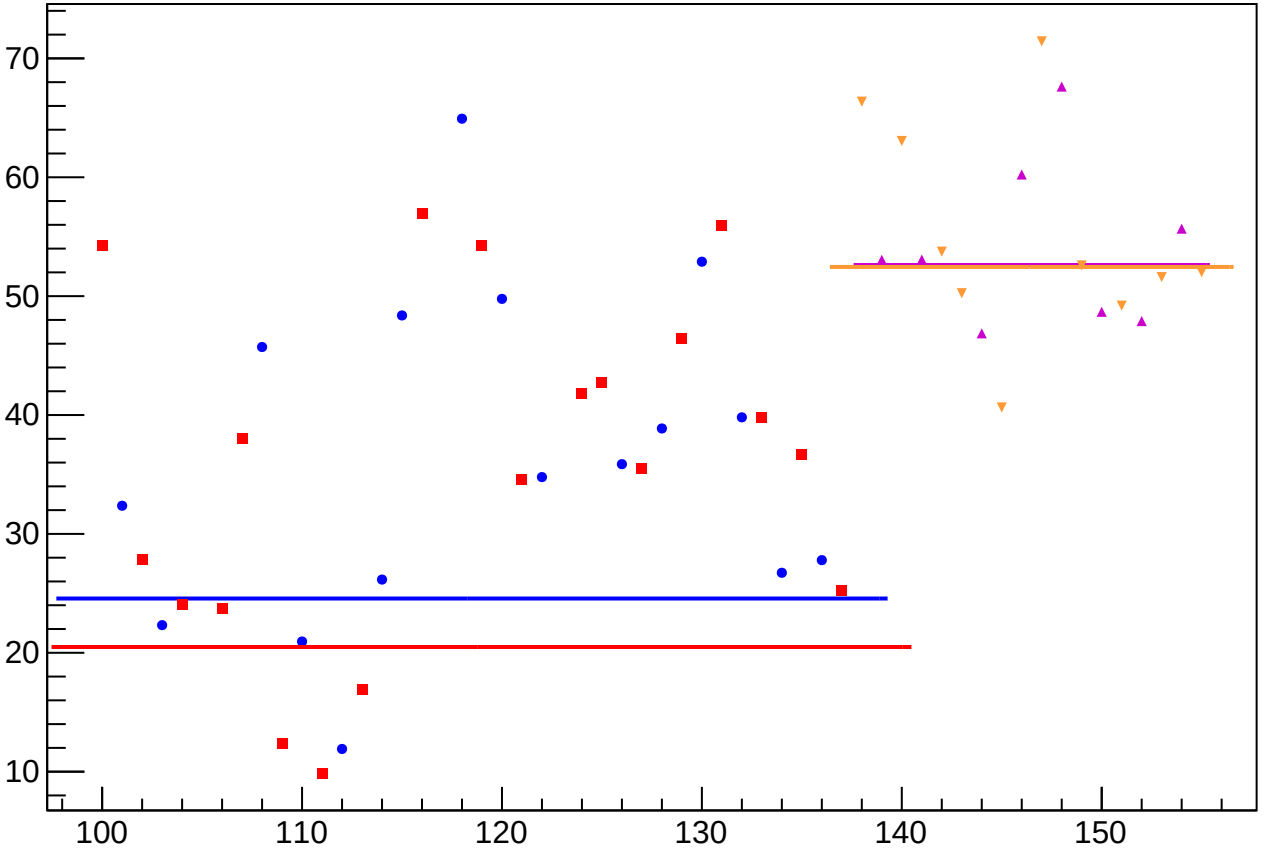
Left In: -0.042+/-0.020 χ^2/NDF:4.2/7

+ sign 0.004+/-0.009 χ^2/NDF: 30.5/25

All: -0.003+/-0.006 χ^2/NDF: 51.4/52

- sign -0.009+/-0.008 χ^2/NDF: 19.7/26

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.456+/-0.014 χ^2/NDF:372880.2/9

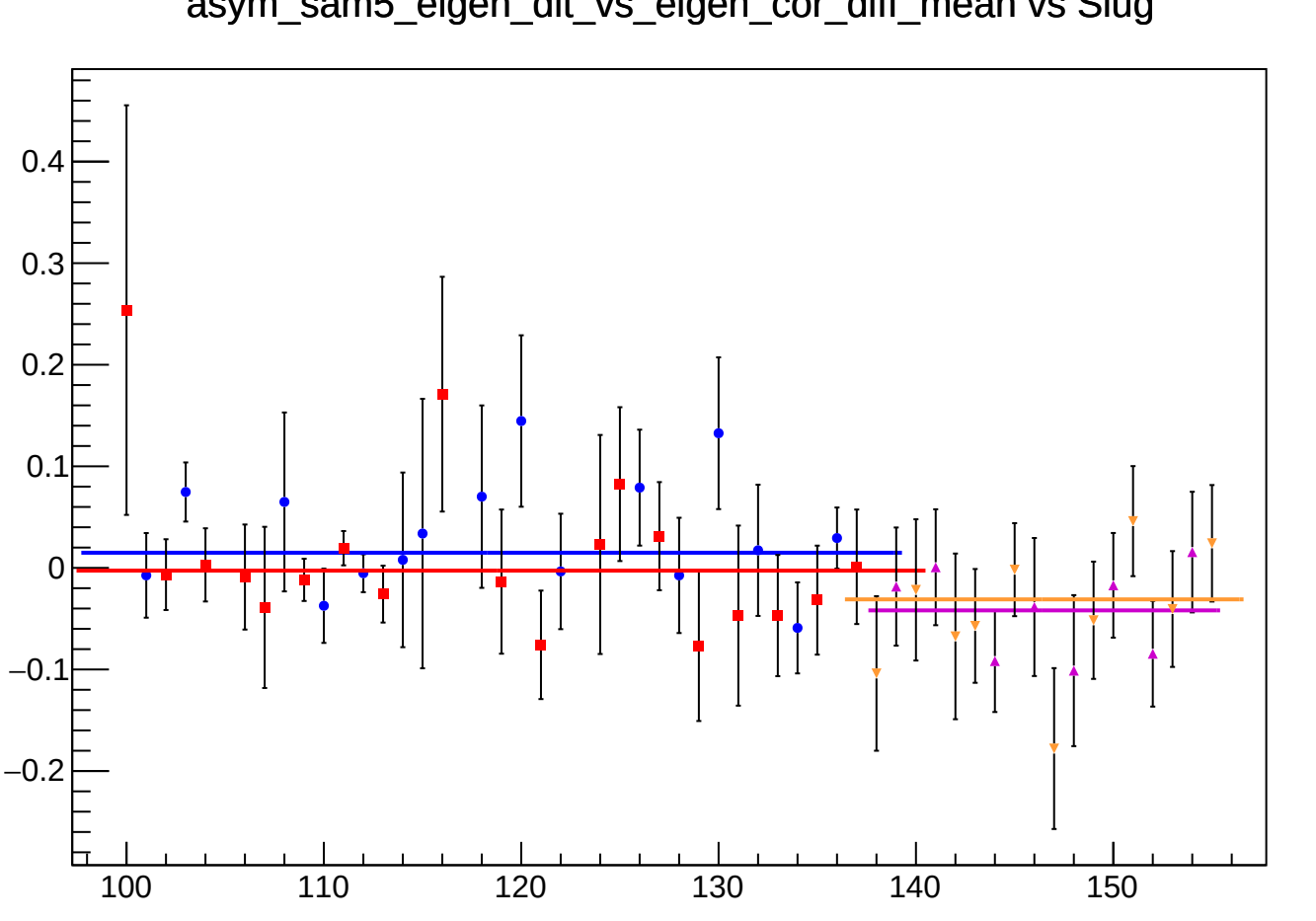
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

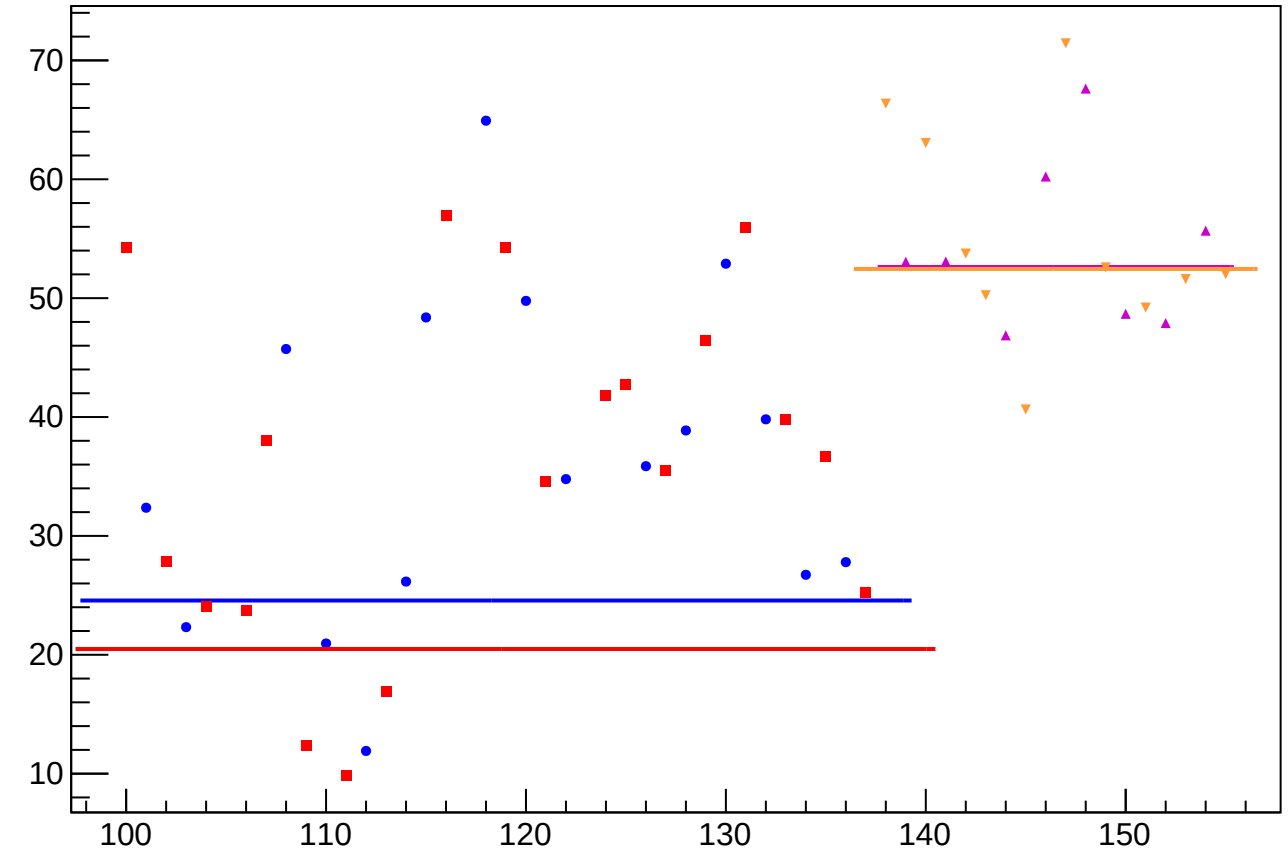
Left In: 52.620+/-0.014 χ^2/NDF:166532.3/7

+ sign 31.116+/-0.007 χ^2/NDF: 6117155.4/25

All: 28.303+/-0.004 χ^2/NDF: 14357835.0/52

- sign 25.989+/-0.006 χ^2/NDF: 7904376.8/26


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
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.031+/-0.019 χ²/NDF:8.3/9
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.042+/-0.020 χ²/NDF:4.2/7
+ sign 0.004+/-0.009 χ²/NDF: 30.5/25
All: -0.003+/-0.006 χ²/NDF: 51.4/52
- sign -0.009+/-0.008 χ²/NDF: 19.7/26



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.456+/-0.014 χ^2/NDF:372880.2/9

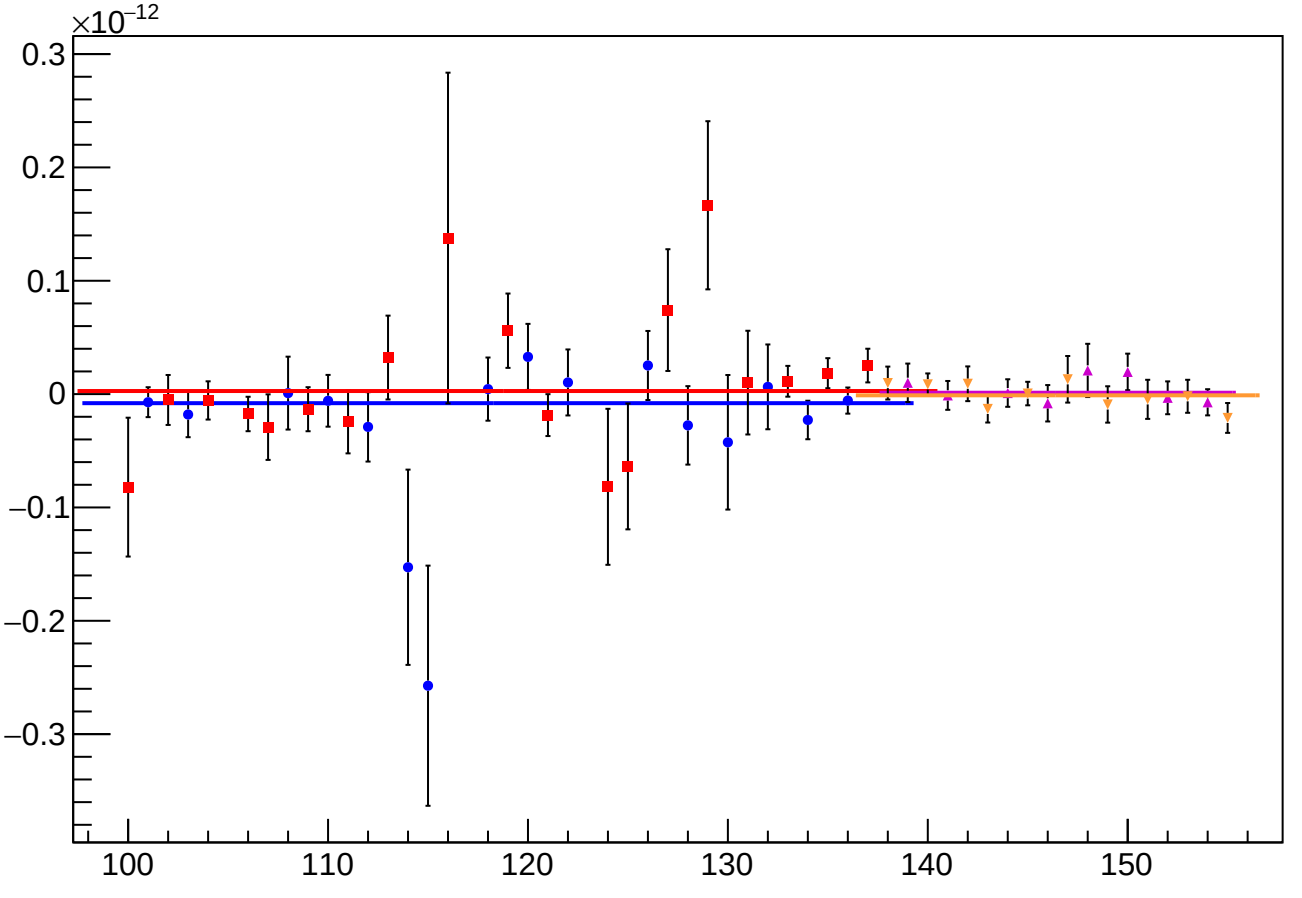
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.620+/-0.014 χ^2/NDF:166532.3/7

+ sign 31.116+/-0.007 χ^2/NDF: 6117155.4/25

All: 28.303+/-0.004 χ^2/NDF: 14357835.0/52

- sign 25.989+/-0.006 χ^2/NDF: 7904376.8/26



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

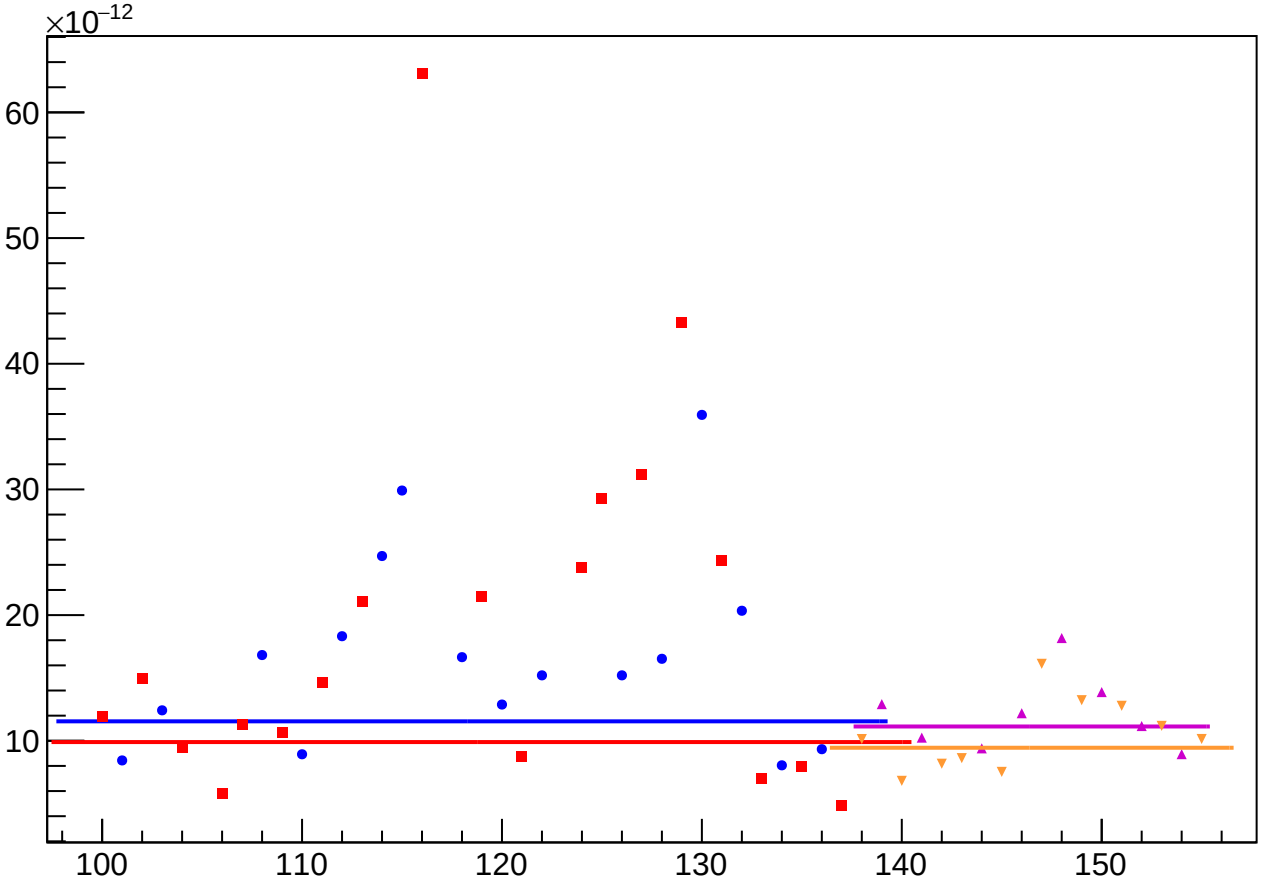
Left In: 0.000+/-0.000 χ^2/NDF:3.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 21.5/25

All: -0.000+/-0.000 χ^2/NDF: 52.1/52

- sign 0.000+/-0.000 χ^2/NDF: 29.4/26

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:676357.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

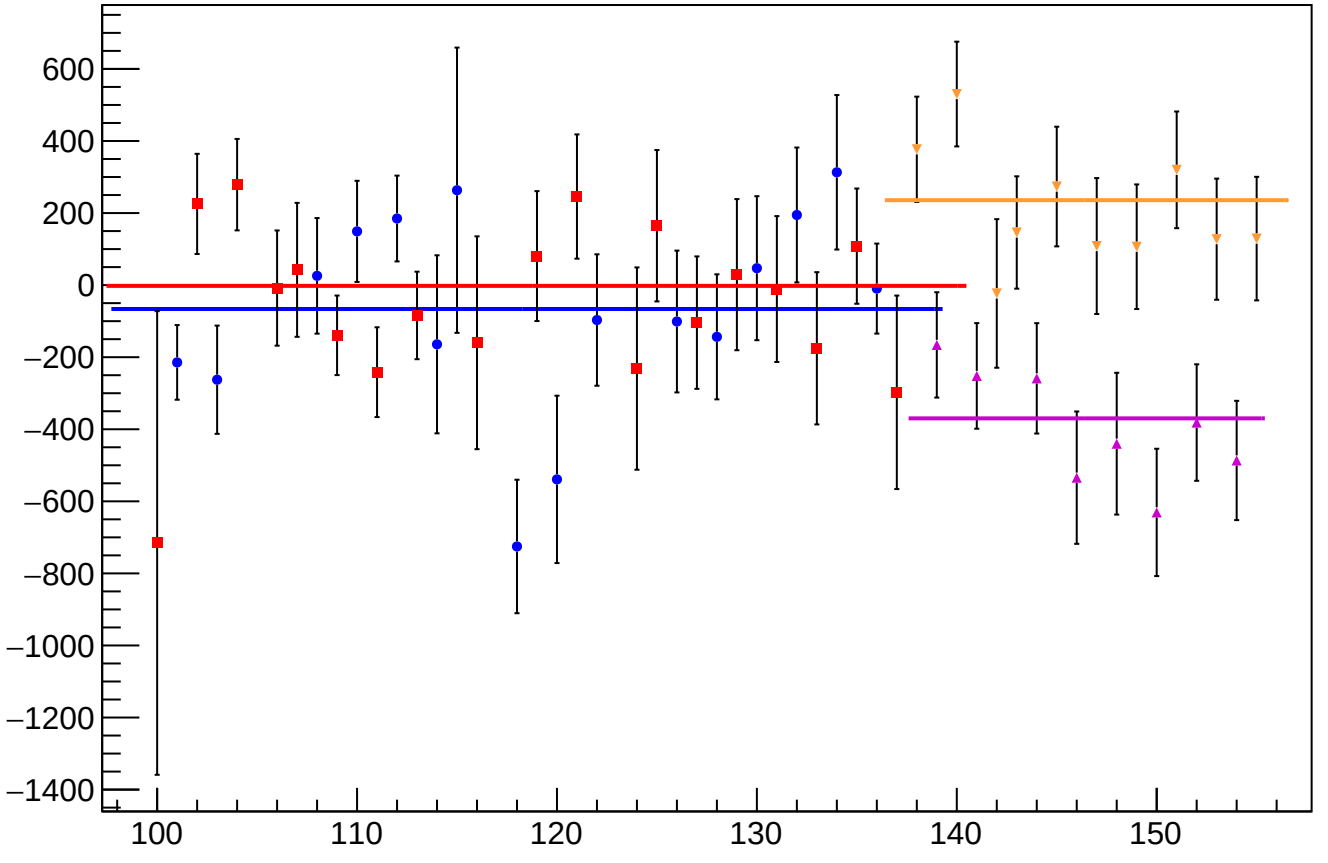
Left In: 0.000+/-0.000 χ^2/NDF:391301.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 2028807.8/25

All: 0.000+/-0.000 χ^2/NDF: 5123547.1/52

- sign 0.000+/-0.000 χ^2/NDF: 3084940.4/26

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 235.740+/-52.401 χ^2/NDF:9.1/9

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

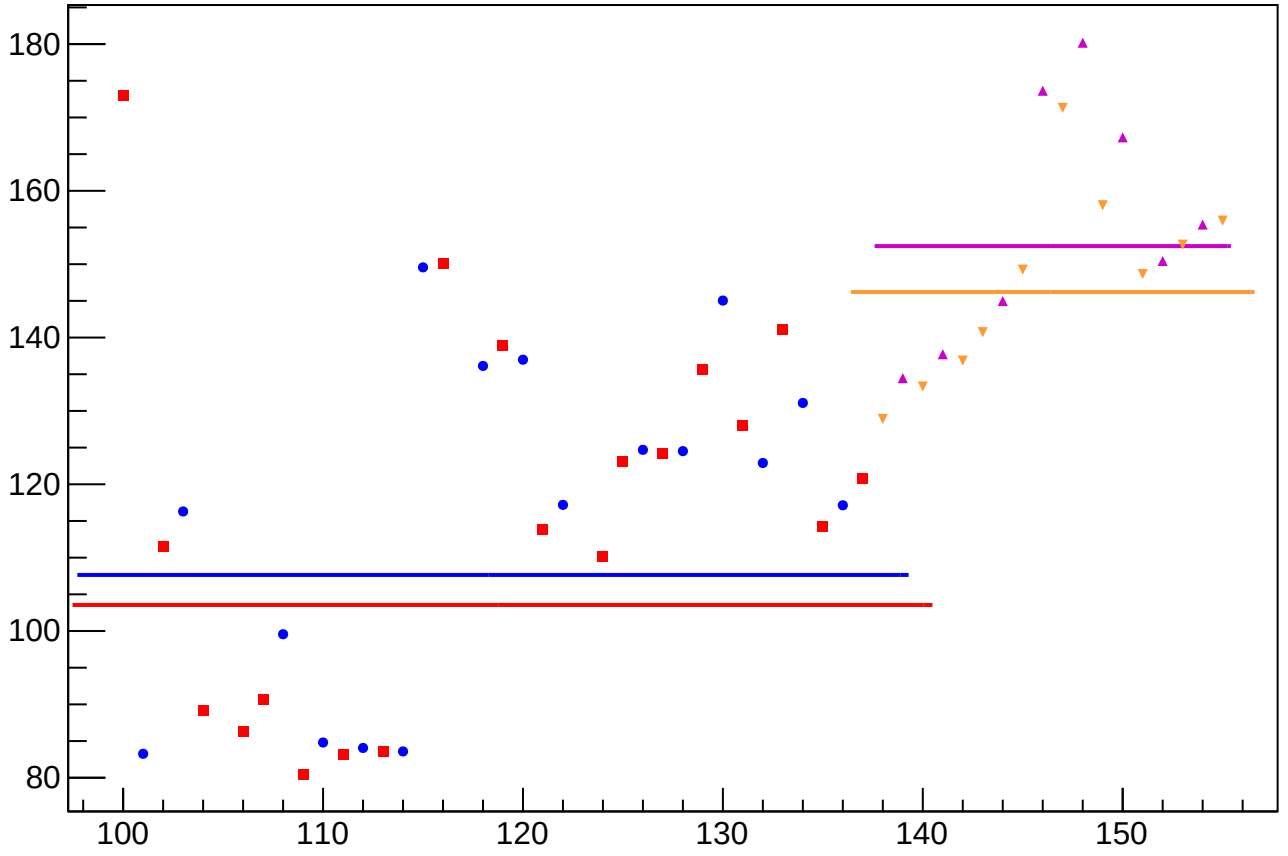
Left In: -369.782+/-57.900 χ^2/NDF:6.7/7

+ sign 48.217+/-32.260 χ^2/NDF: 64.1/25

All: -33.994+/-22.815 χ^2/NDF: 132.8/52

- sign -116.256+/-32.270 χ^2/NDF: 55.7/26

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 146.206+/-0.037 χ^2/NDF:105583.2/9

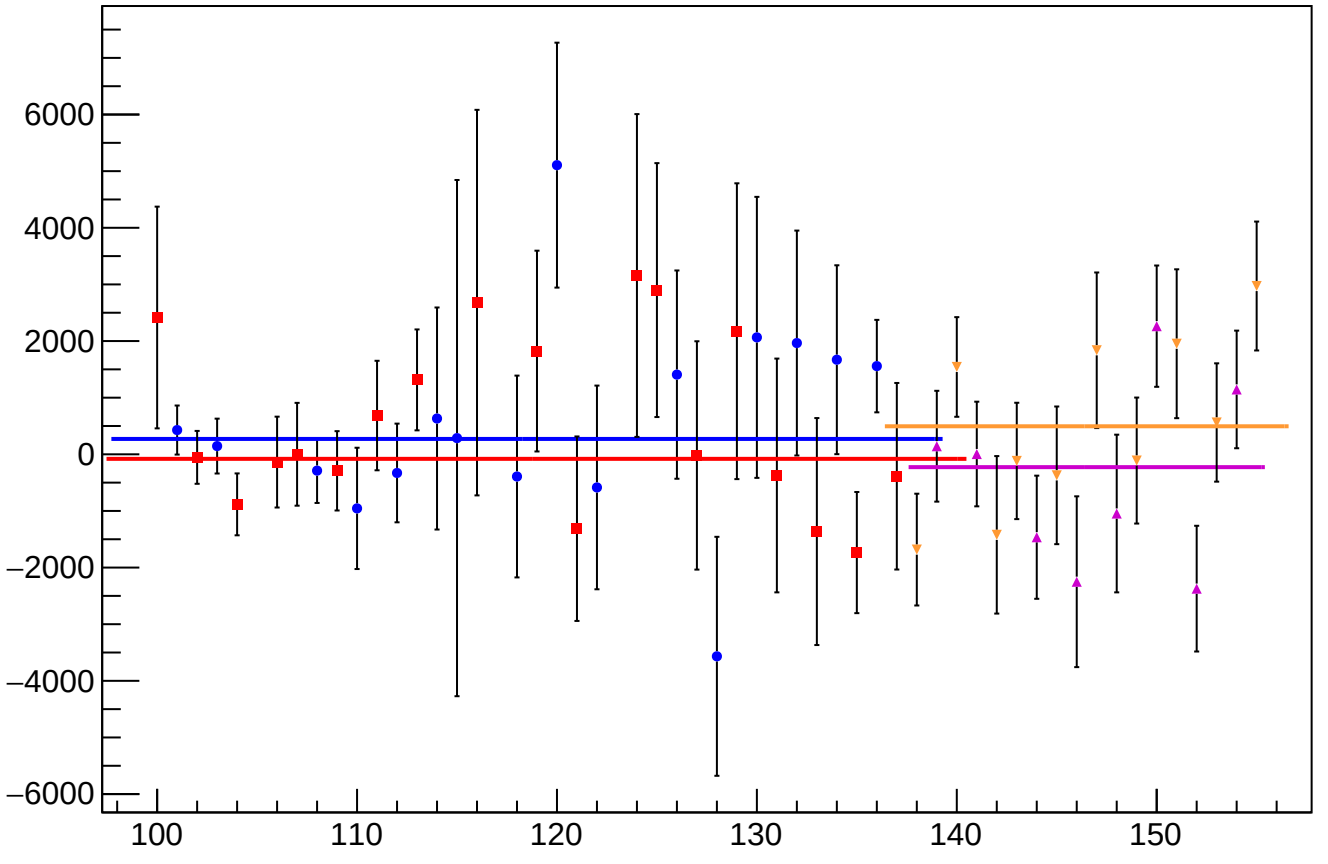
Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 152.469+/-0.041 χ^2/NDF:136647.0/7

+ sign 122.259+/-0.023 χ^2/NDF: 1310992.8/25

All: 120.503+/-0.016 χ^2/NDF: 3061048.8/52

- sign 118.746+/-0.023 χ^2/NDF: 1738198.2/26



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 494.872+/-352.123 χ^2/NDF:16.3/9

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

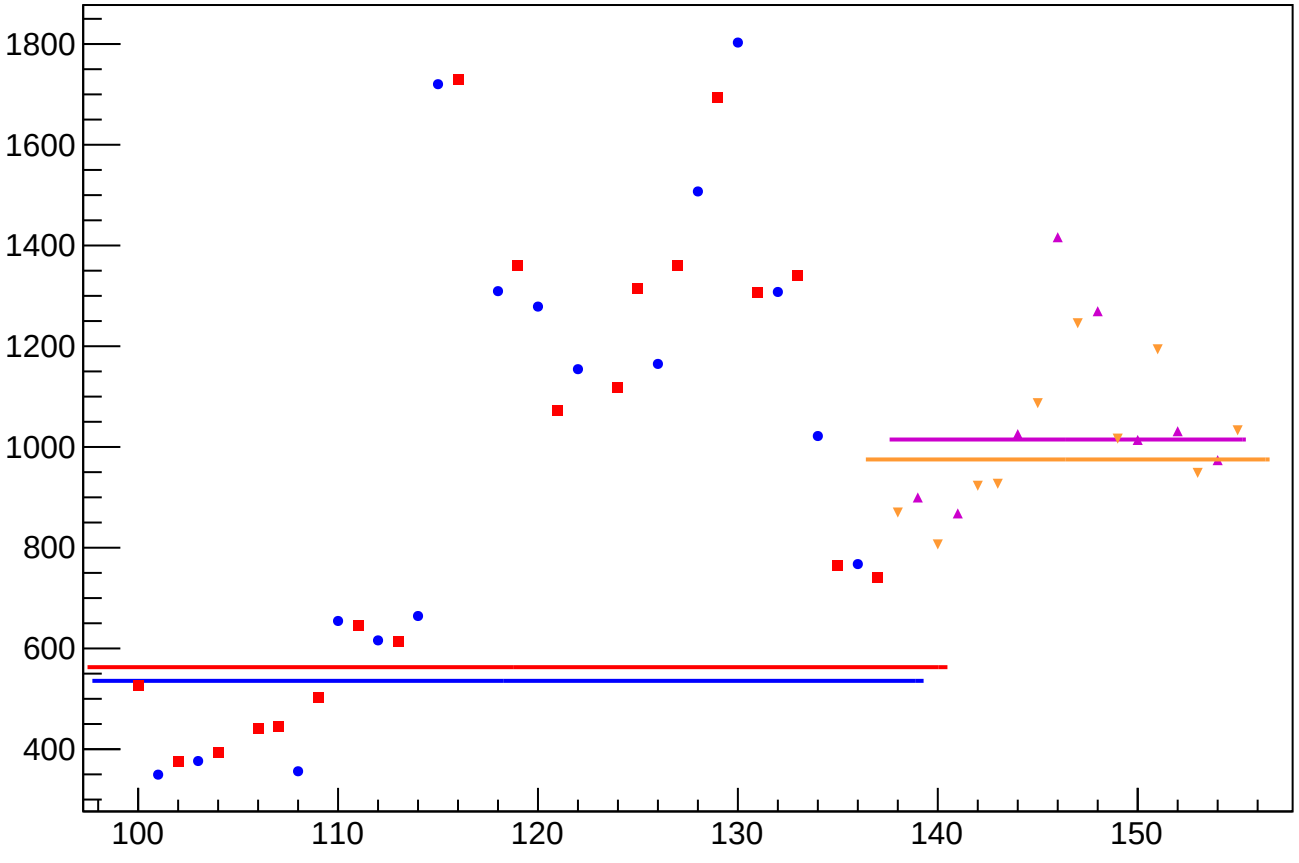
Left In: -226.599+/-388.436 χ^2/NDF:14.5/7

+ sign 338.574+/-192.950 χ^2/NDF: 33.0/25

All: 117.333+/-138.619 χ^2/NDF: 66.4/52

- sign -118.653+/-199.276 χ^2/NDF: 30.7/26

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 975.223+/-0.249 χ^2/NDF:262525.6/9

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

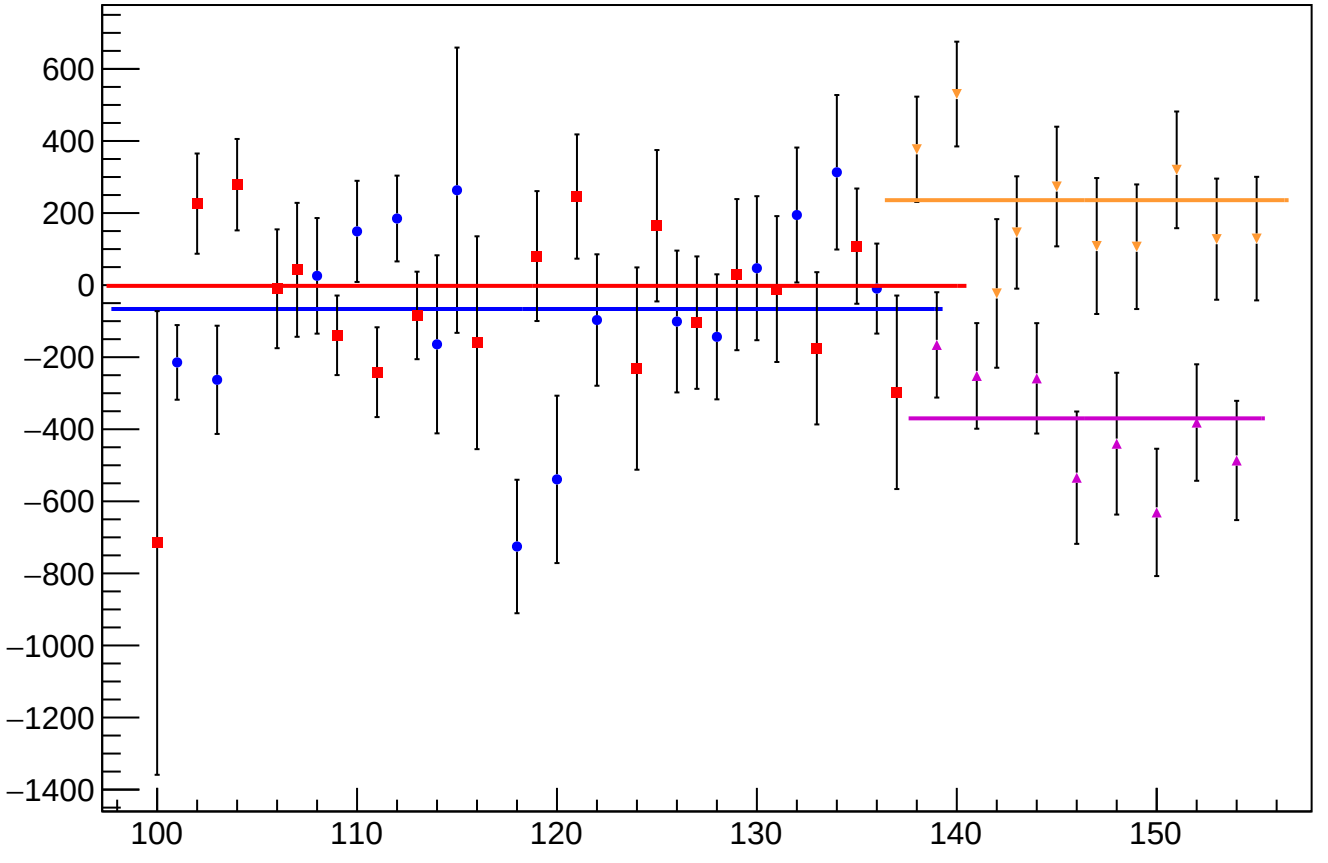
Left In: 1014.797+/-0.275 χ^2/NDF:290596.5/7

+ sign 667.660+/-0.136 χ^2/NDF: 6075497.4/25

All: 674.499+/-0.098 χ^2/NDF: 11477266.2/52

- sign 681.794+/-0.141 χ^2/NDF: 5396575.9/26

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 235.742+/-52.401 χ^2/NDF:9.1/9

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

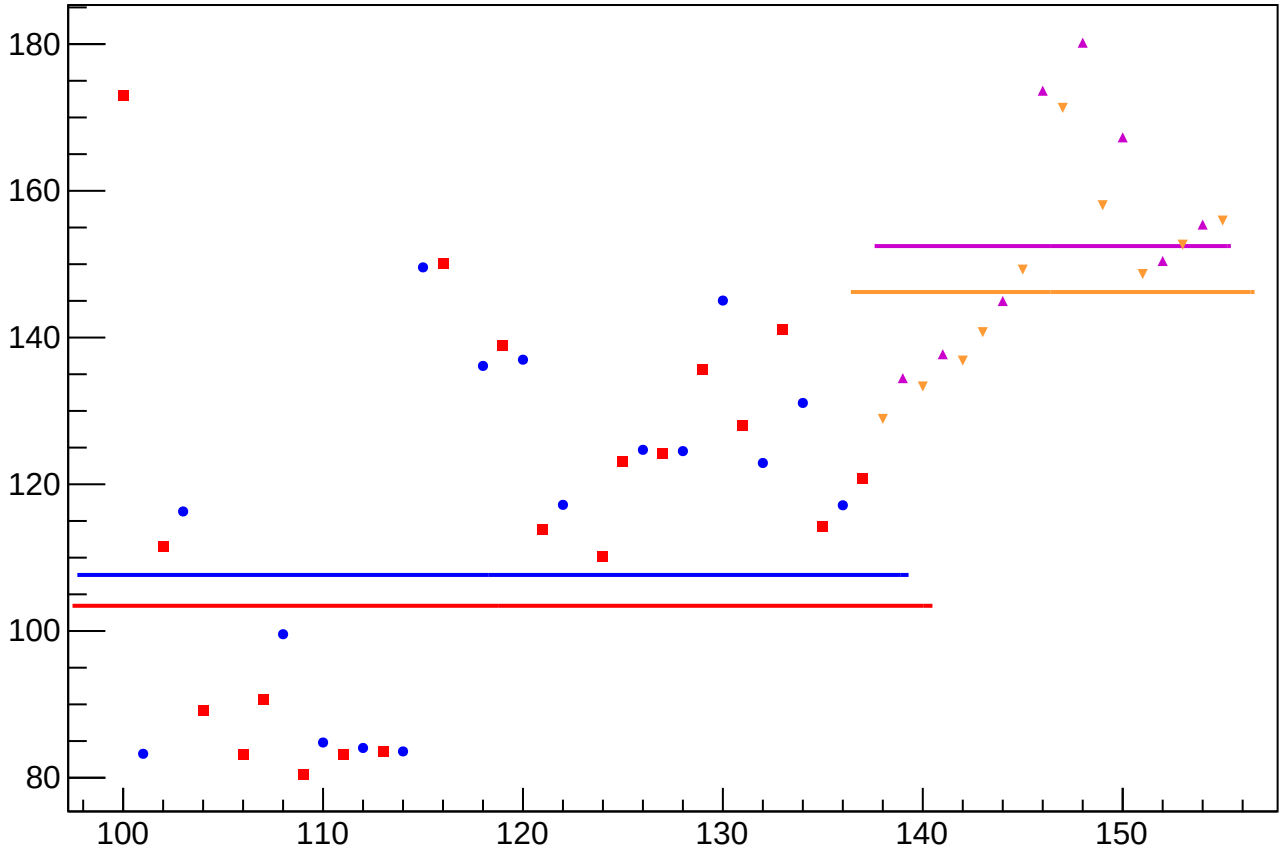
Left In: -369.783+/-57.900 χ^2/NDF:6.7/7

+ sign 48.201+/-32.260 χ^2/NDF: 64.1/25

All: -34.057+/-22.829 χ^2/NDF: 132.8/52

- sign -116.572+/-32.310 χ^2/NDF: 55.6/26

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.206+/-0.037 χ^2/NDF:105583.2/9

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

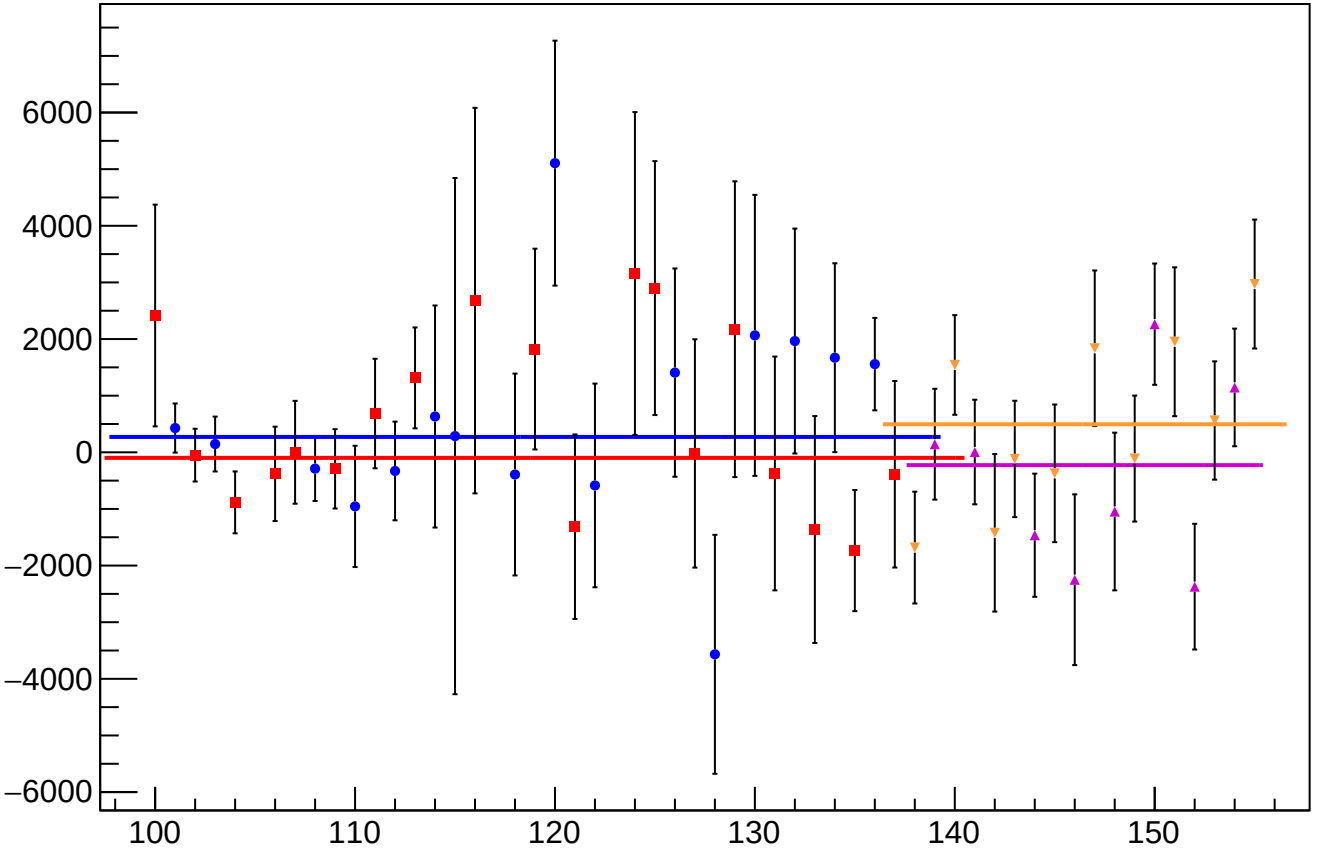
Left In: 152.469+/-0.041 χ^2/NDF:136647.0/7

+ sign 122.259+/-0.023 χ^2/NDF: 1310992.0/25

All: 120.485+/-0.016 χ^2/NDF: 3072111.0/52

- sign 118.706+/-0.023 χ^2/NDF: 1749008.9/26

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 494.880+/-352.123 χ^2/NDF:16.3/9

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

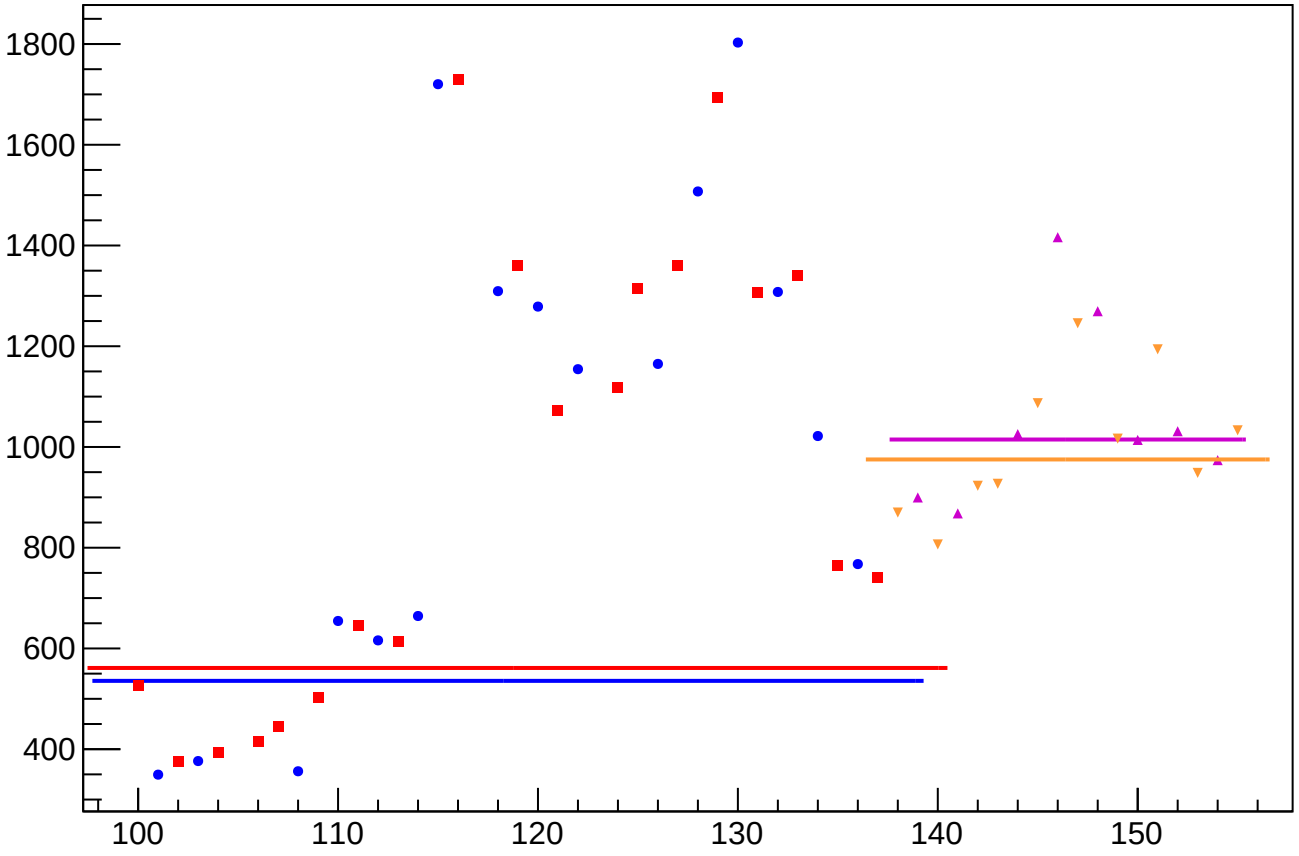
Left In: -226.588+/-388.436 χ^2/NDF:14.5/7

+ sign 338.671+/-192.946 χ^2/NDF: 33.0/25

All: 111.462+/-138.750 χ^2/NDF: 66.6/52

- sign -131.865+/-199.672 χ^2/NDF: 30.7/26

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 975.223+/-0.249 χ^2/NDF:262525.7/9

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

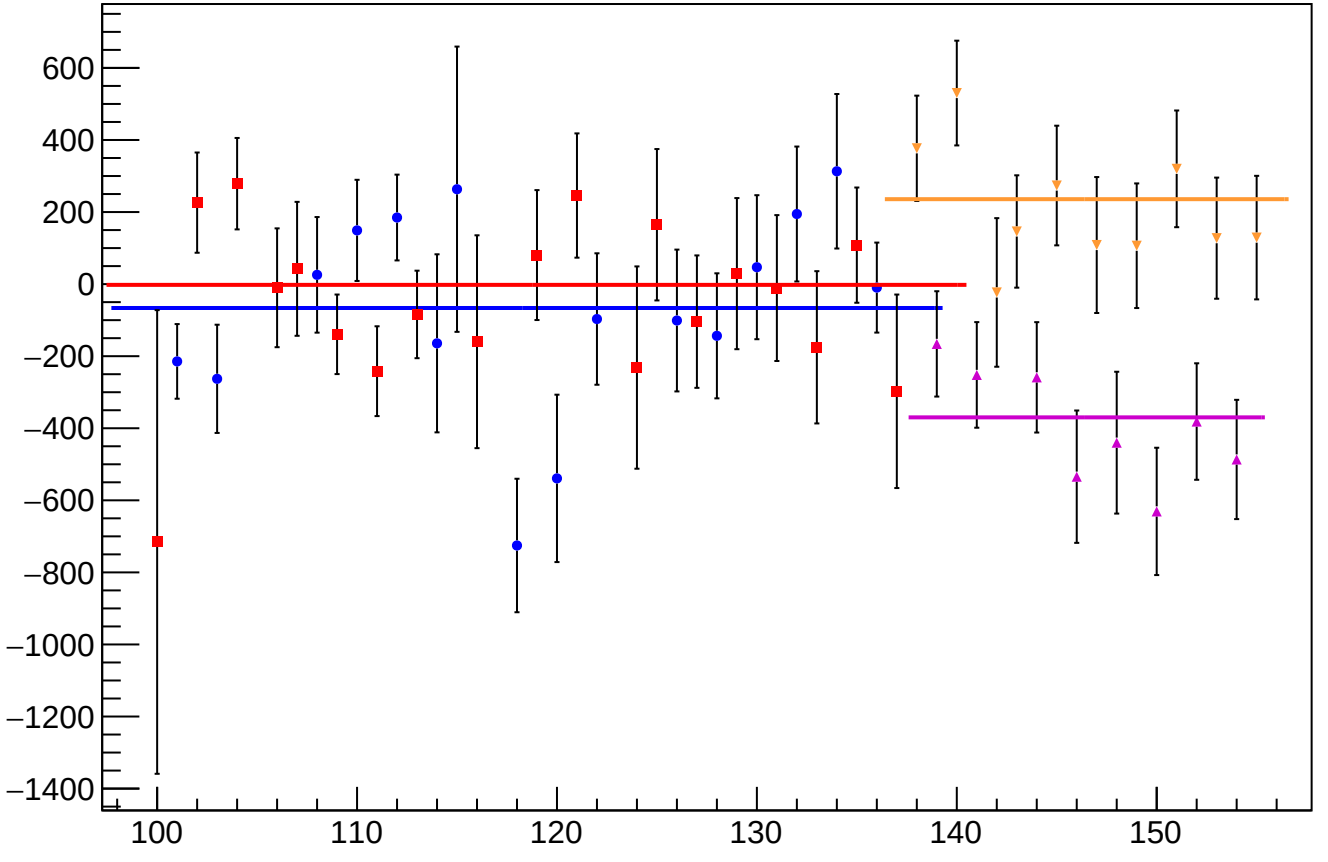
Left In: 1014.798+/-0.275 χ^2/NDF:290596.8/7

+ sign 667.639+/-0.136 χ^2/NDF: 6075954.0/25

All: 674.143+/-0.098 χ^2/NDF: 11508044.2/52

- sign 681.108+/-0.141 χ^2/NDF: 5427384.0/26

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 235.742+/-52.401 χ^2/NDF:9.1/9

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

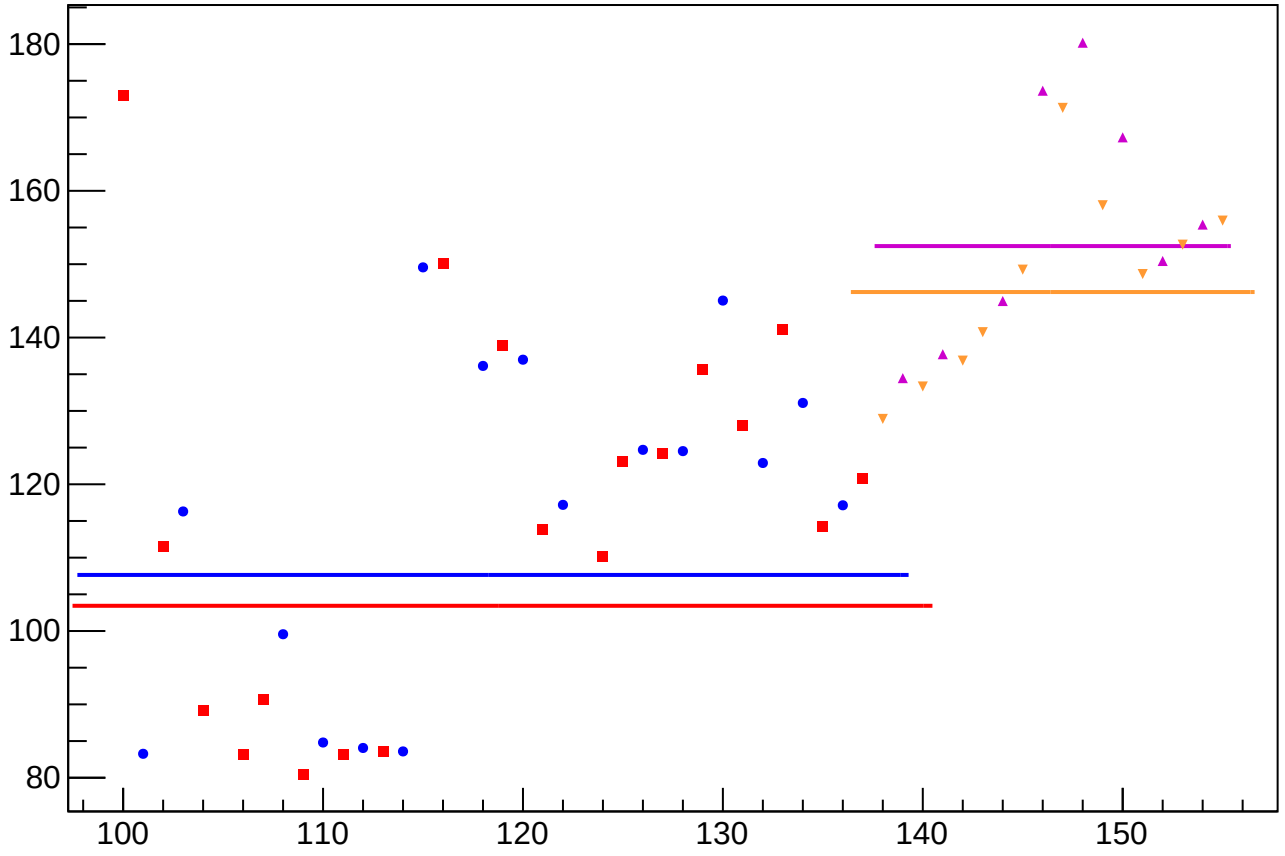
Left In: -369.783+/-57.900 χ^2/NDF:6.7/7

+ sign 48.201+/-32.260 χ^2/NDF: 64.1/25

All: -34.057+/-22.829 χ^2/NDF: 132.8/52

- sign -116.572+/-32.310 χ^2/NDF: 55.6/26

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.206+/-0.037 χ^2/NDF:105583.2/9

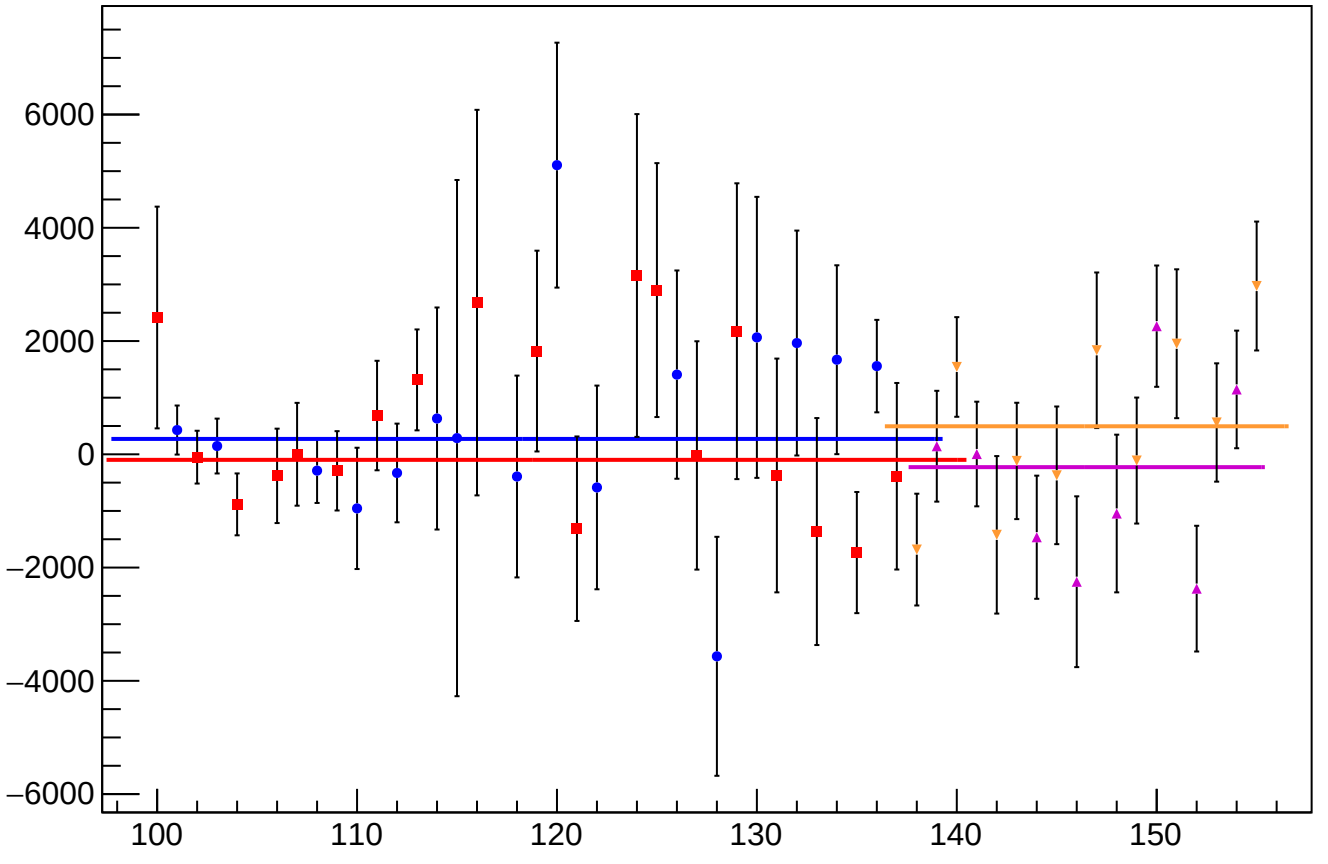
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 152.469+/-0.041 χ^2/NDF:136647.0/7

+ sign 122.259+/-0.023 χ^2/NDF: 1310992.0/25

All: 120.485+/-0.016 χ^2/NDF: 3072111.0/52

- sign 118.706+/-0.023 χ^2/NDF: 1749008.9/26



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 494.880+/-352.123 χ^2/NDF:16.3/9

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

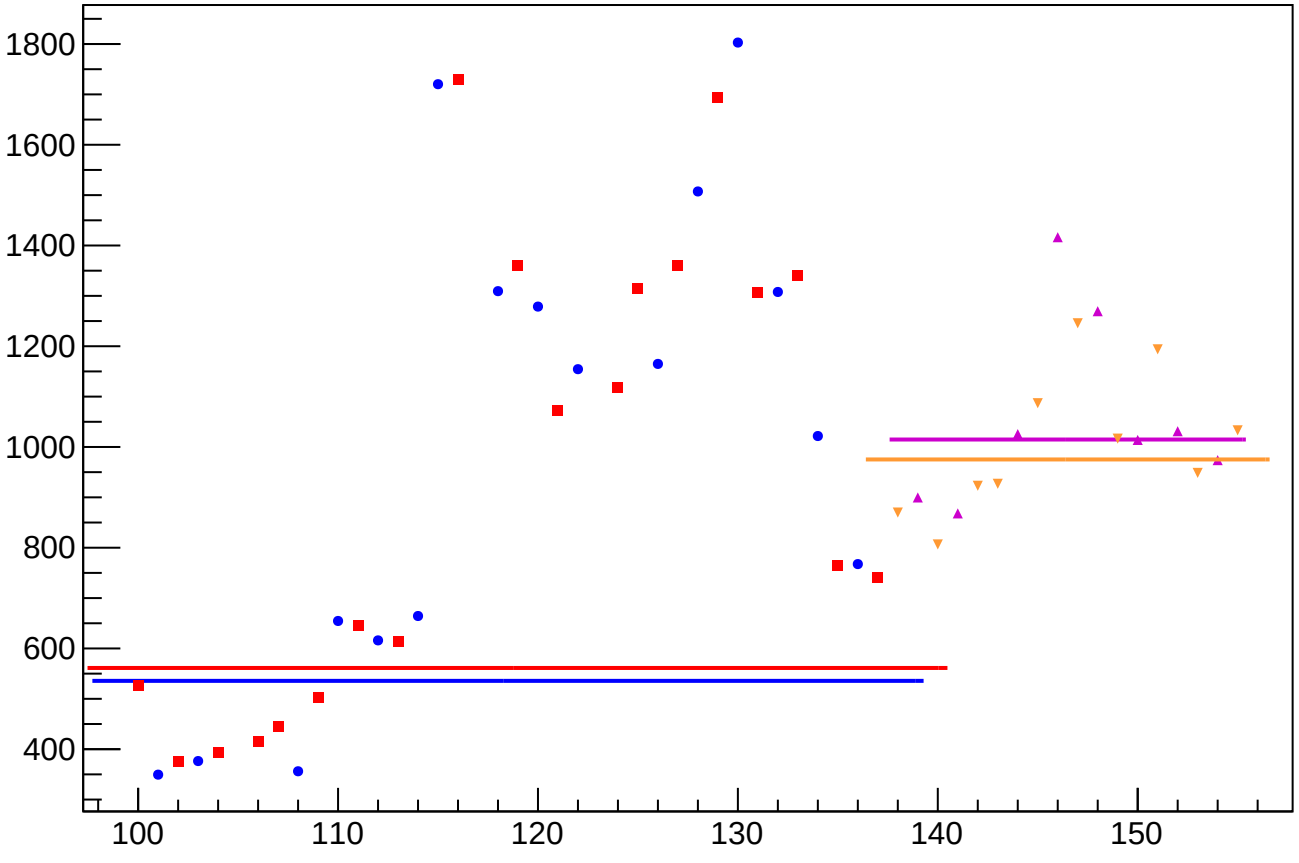
Left In: -226.588+/-388.436 χ^2/NDF:14.5/7

+ sign 338.671+/-192.946 χ^2/NDF: 33.0/25

All: 111.462+/-138.750 χ^2/NDF: 66.6/52

- sign -131.865+/-199.672 χ^2/NDF: 30.7/26

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 975.223+/-0.249 χ^2/NDF:262525.7/9

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

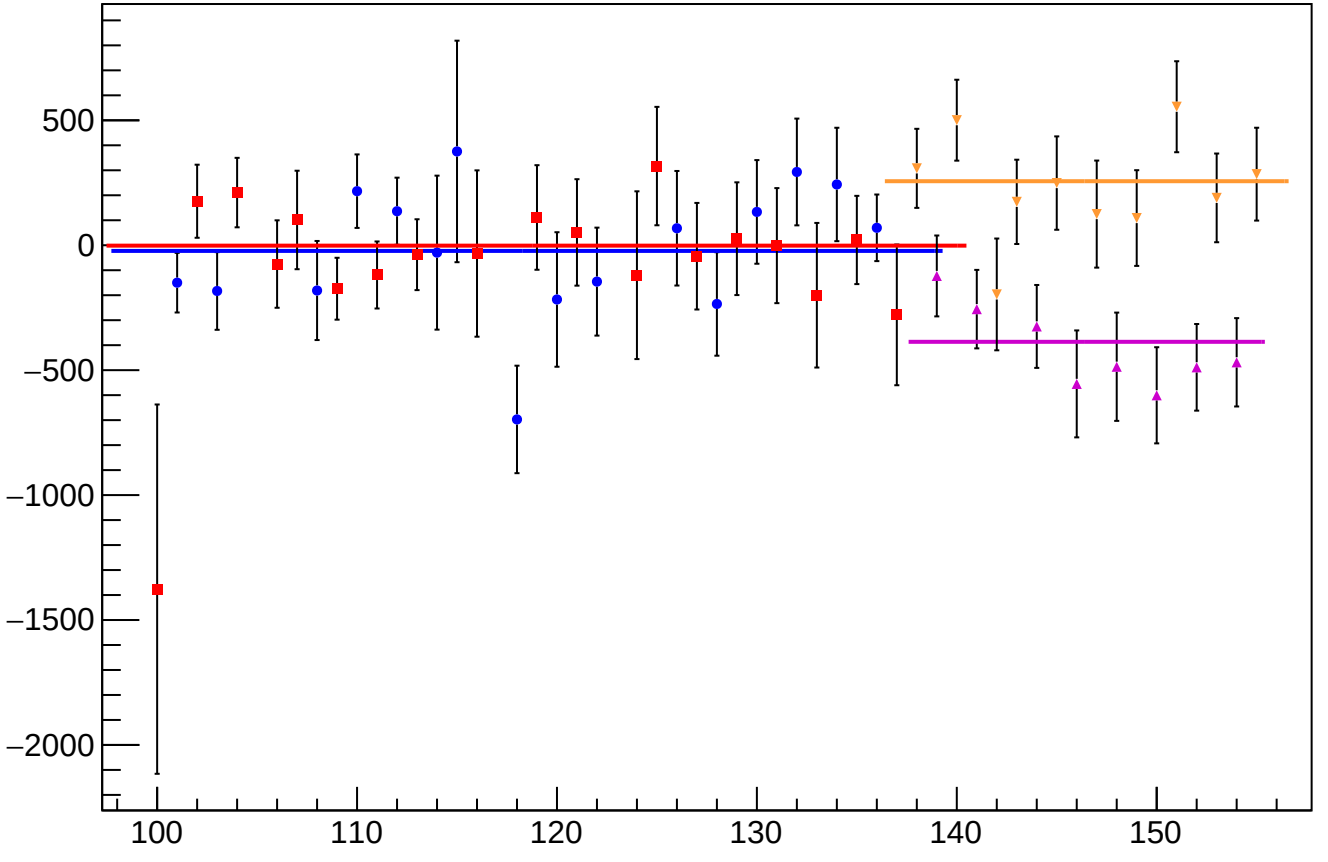
Left In: 1014.798+/-0.275 χ^2/NDF:290596.8/7

+ sign 667.639+/-0.136 χ^2/NDF: 6075954.0/25

All: 674.143+/-0.098 χ^2/NDF: 11508044.2/52

- sign 681.108+/-0.141 χ^2/NDF: 5427384.0/26

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 256.285+/-57.568 χ^2/NDF:10.5/9

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

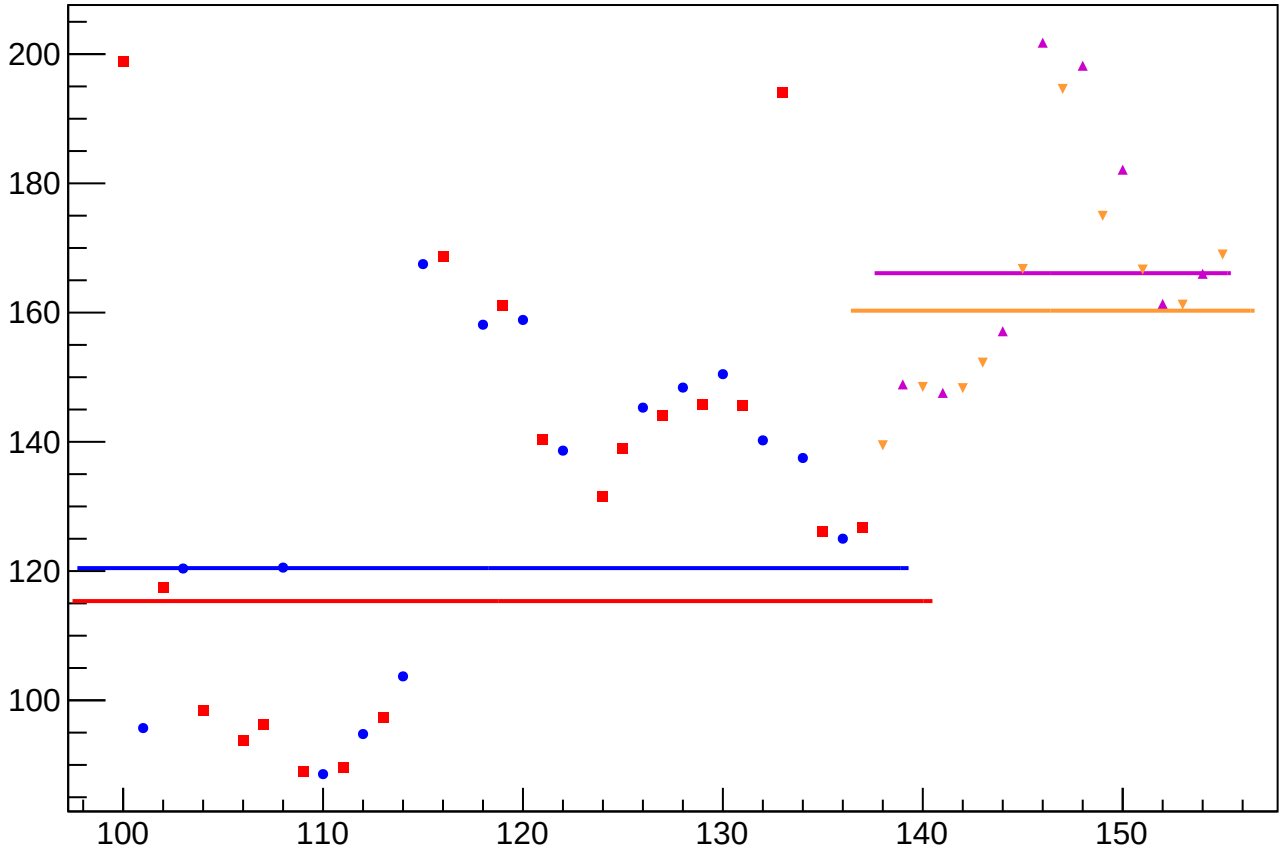
Left In: -386.534+/-63.191 χ^2/NDF:6.1/7

+ sign 85.764+/-35.893 χ^2/NDF: 49.1/25

All: -19.999+/-25.371 χ^2/NDF: 112.0/52

- sign -125.606+/-35.866 χ^2/NDF: 45.6/26

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 160.298+/-0.041 χ^2/NDF:127918.6/9

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

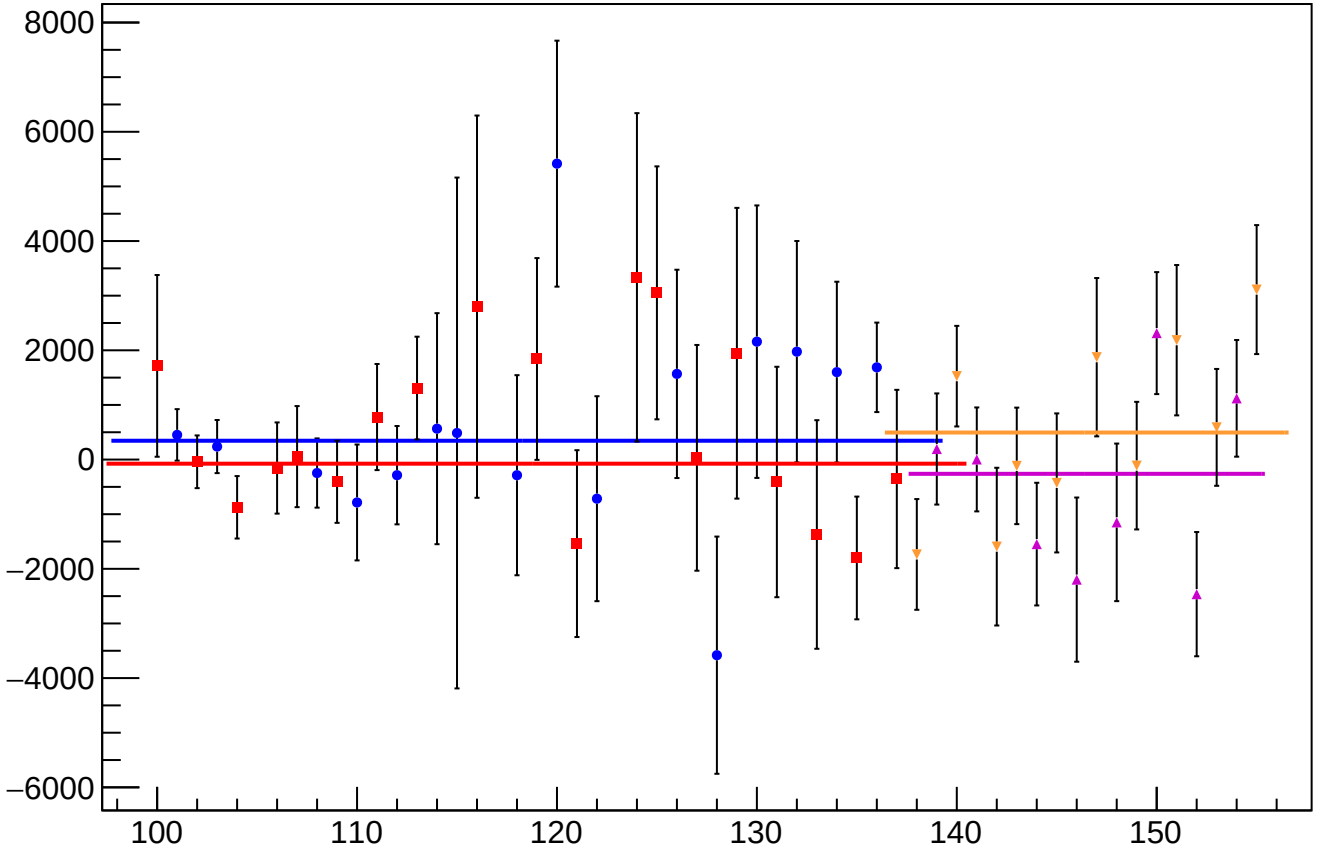
Left In: 166.099+/-0.045 χ^2/NDF:171128.5/7

+ sign 135.945+/-0.025 χ^2/NDF: 1243747.2/25

All: 133.823+/-0.018 χ^2/NDF: 3070251.0/52

- sign 131.704+/-0.025 χ^2/NDF: 1812528.4/26

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 494.952+/-366.136 χ^2/NDF:16.7/9

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

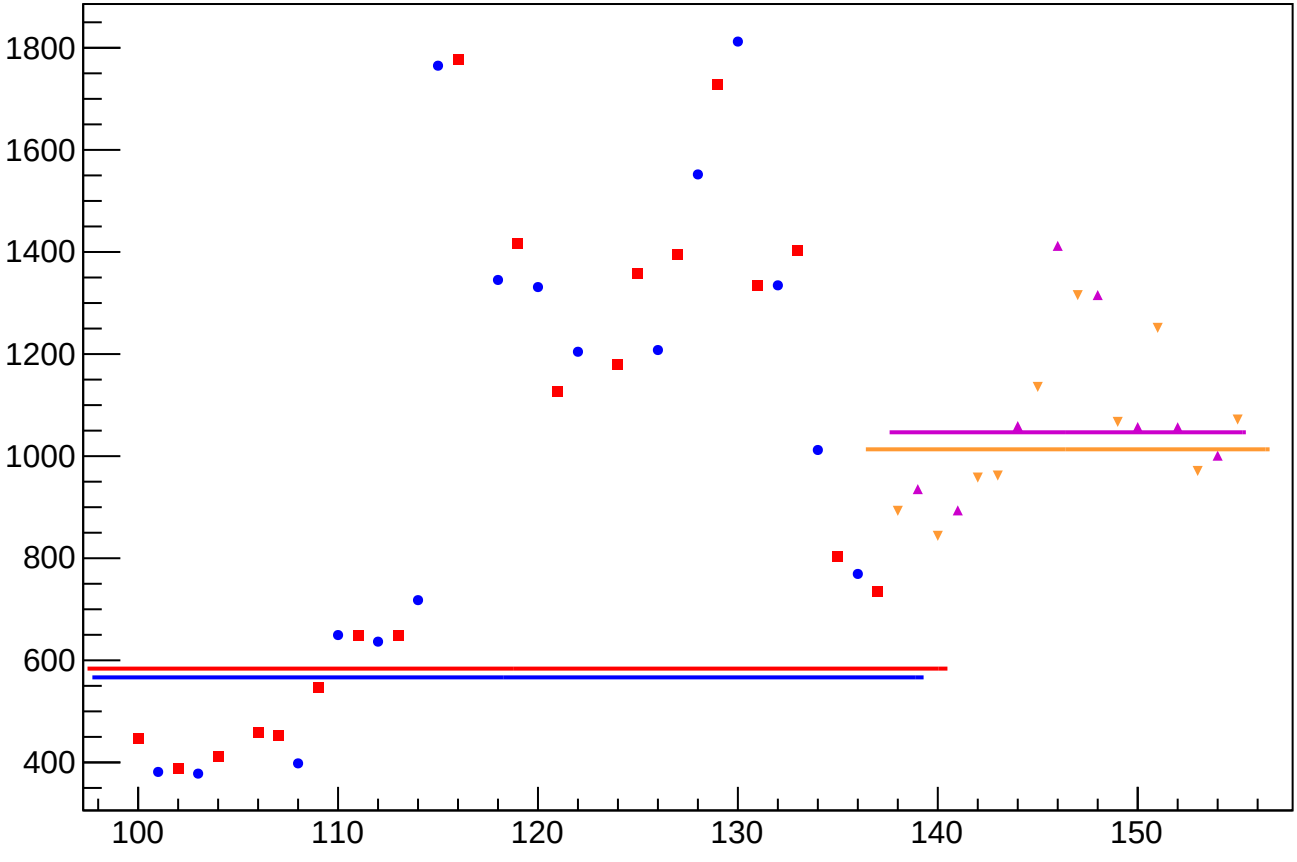
Left In: -261.095+/-400.303 χ^2/NDF:14.4/7

+ sign 390.076+/-201.614 χ^2/NDF: 33.0/25

All: 138.418+/-144.137 χ^2/NDF: 66.0/52

- sign -124.669+/-206.142 χ^2/NDF: 29.8/26

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1013.395+/-0.259 χ^2/NDF:281006.2/9

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

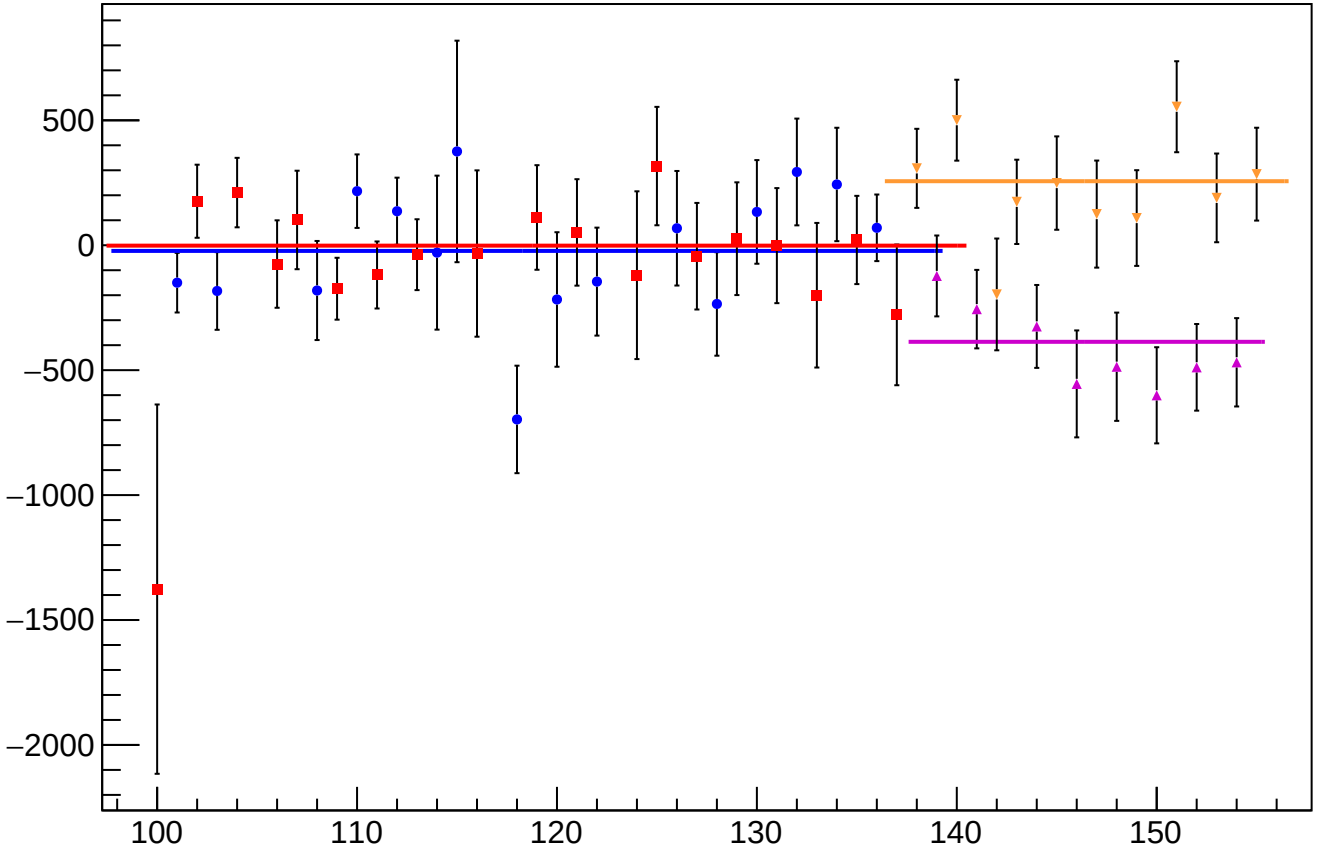
Left In: 1046.759+/-0.283 χ^2/NDF:267540.7/7

+ sign 702.080+/-0.143 χ^2/NDF: 5788604.4/25

All: 704.273+/-0.102 χ^2/NDF: 11129871.5/52

- sign 706.566+/-0.146 χ^2/NDF: 5340782.9/26

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 256.287+/-57.568 χ^2/NDF:10.5/9

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

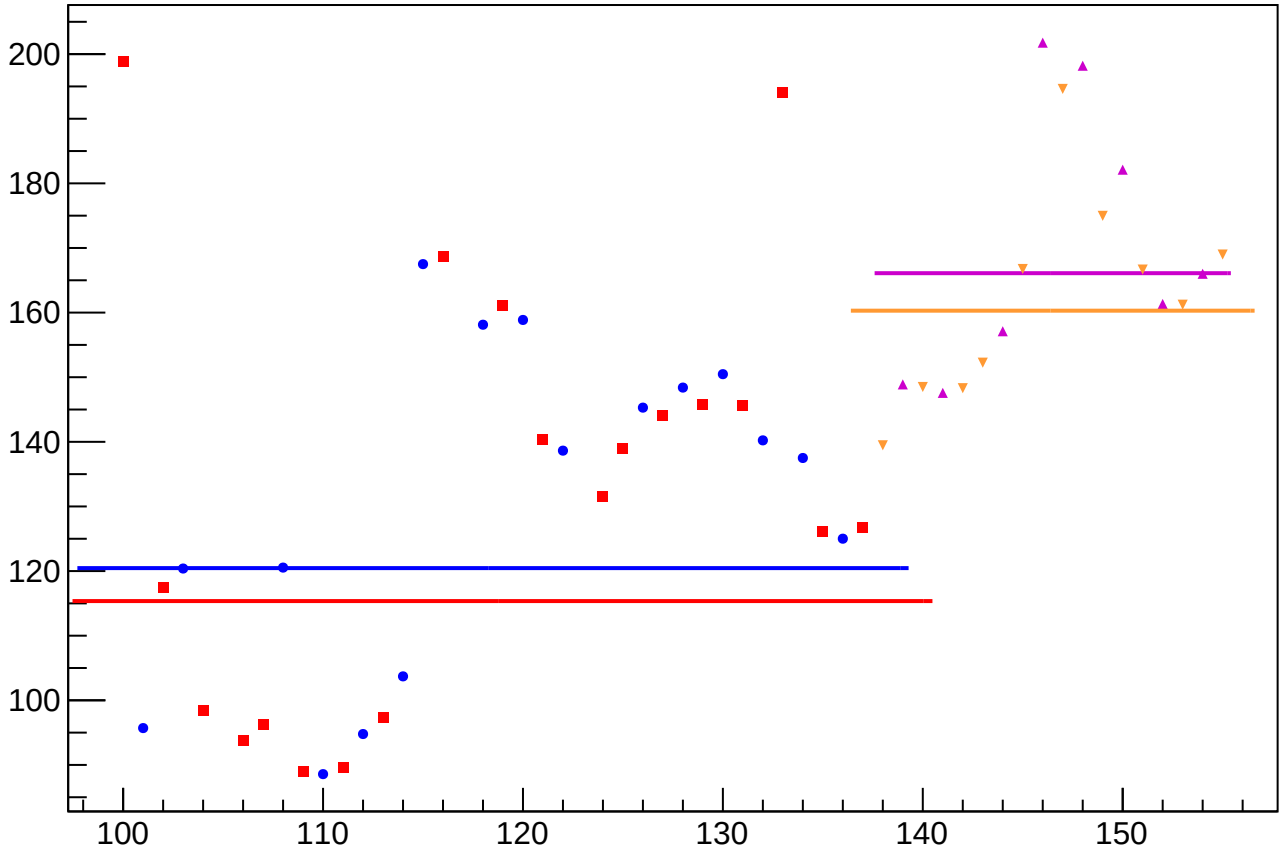
Left In: -386.533+/-63.191 χ^2/NDF:6.1/7

+ sign 85.763+/-35.893 χ^2/NDF: 49.1/25

All: -20.000+/-25.371 χ^2/NDF: 112.0/52

- sign -125.607+/-35.866 χ^2/NDF: 45.6/26

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 160.298+/-0.041 χ^2/NDF:127917.8/9

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

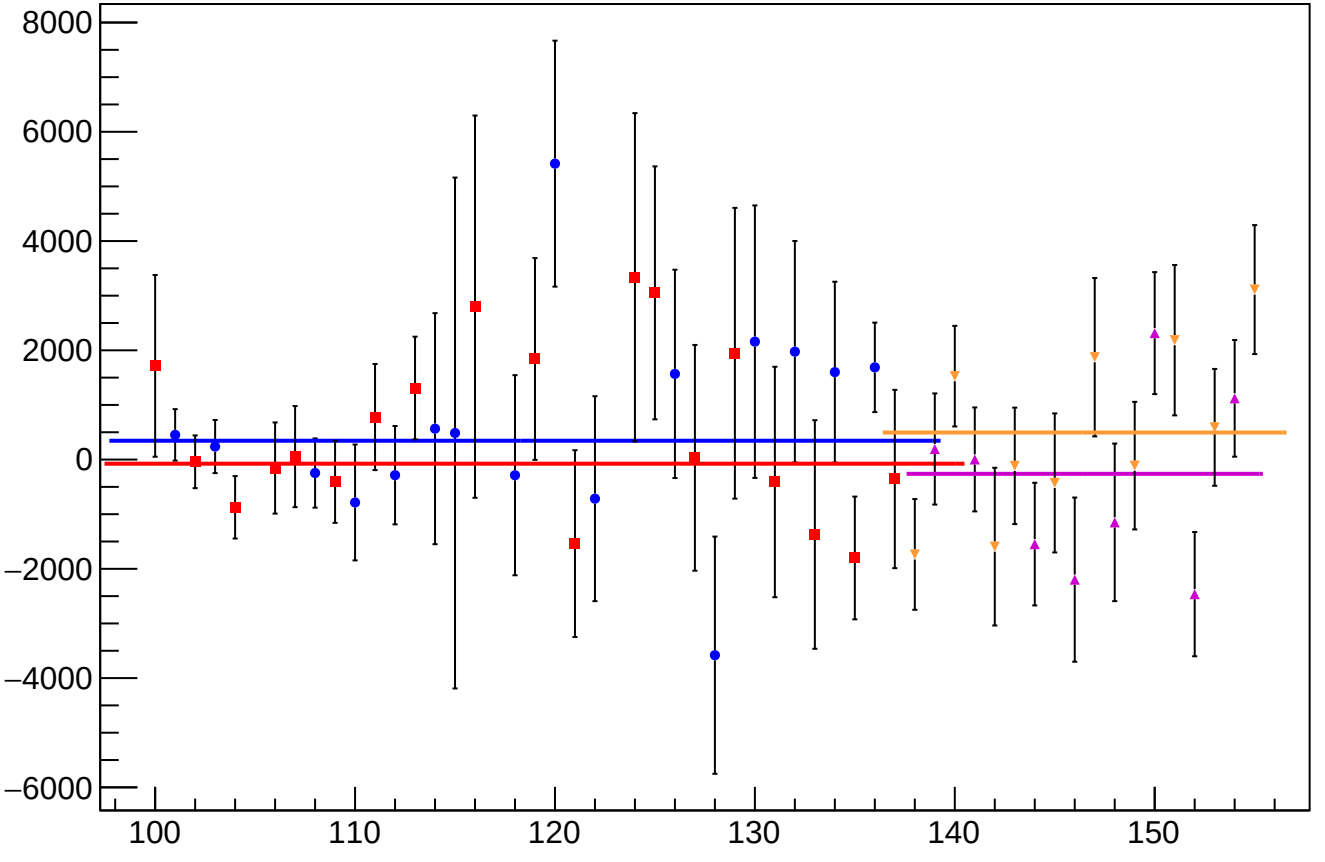
Left In: 166.099+/-0.045 χ^2/NDF:171128.6/7

+ sign 135.945+/-0.025 χ^2/NDF: 1243753.5/25

All: 133.823+/-0.018 χ^2/NDF: 3070259.5/52

- sign 131.703+/-0.025 χ^2/NDF: 1812530.9/26

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 494.952+/-366.135 χ^2/NDF:16.7/9

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

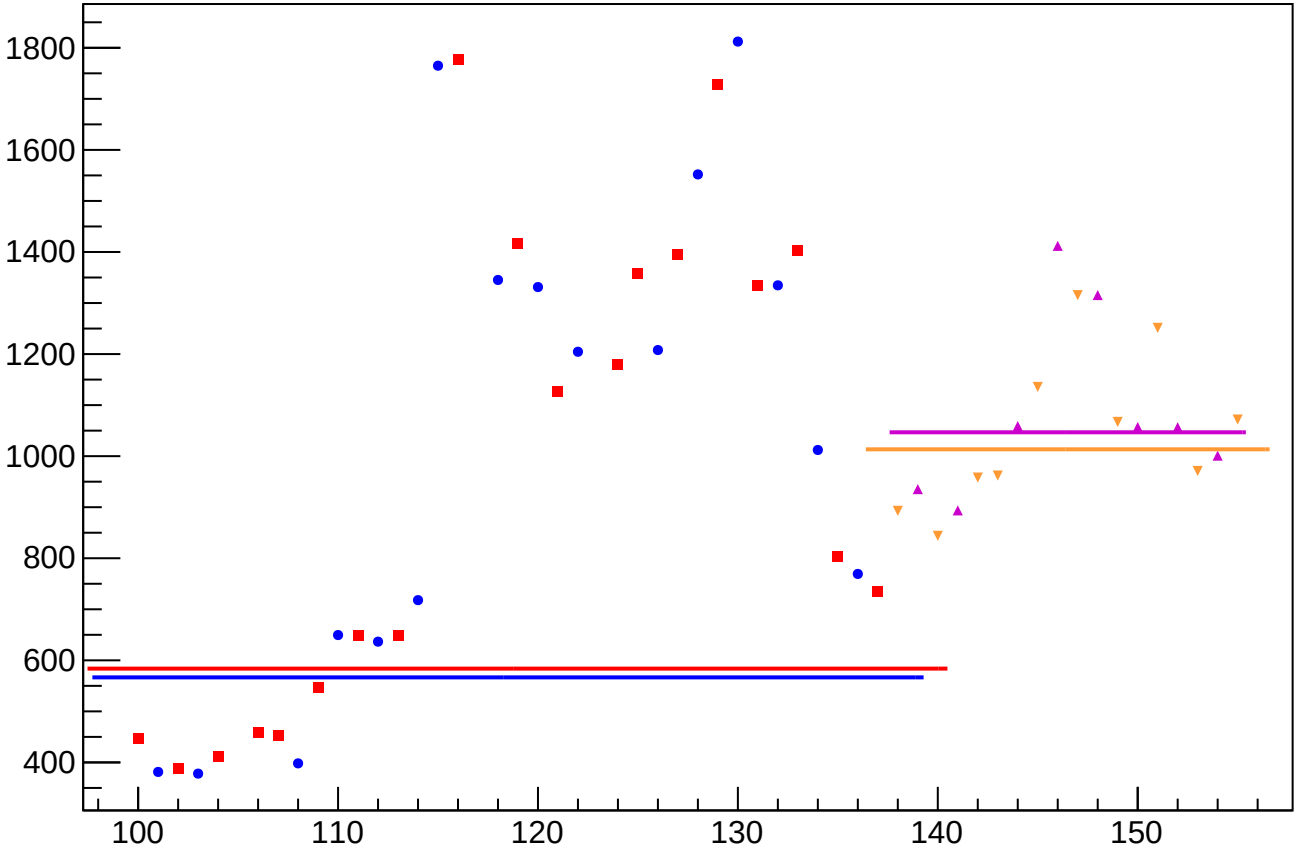
Left In: -261.094+/-400.303 χ^2/NDF:14.4/7

\+ sign 390.076+/-201.614 χ^2/NDF: 33.0/25

All: 138.418+/-144.137 χ^2/NDF: 66.0/52

\- sign -124.670+/-206.142 χ^2/NDF: 29.8/26

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1013.395+/-0.259 χ^2/NDF:281006.7/9

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

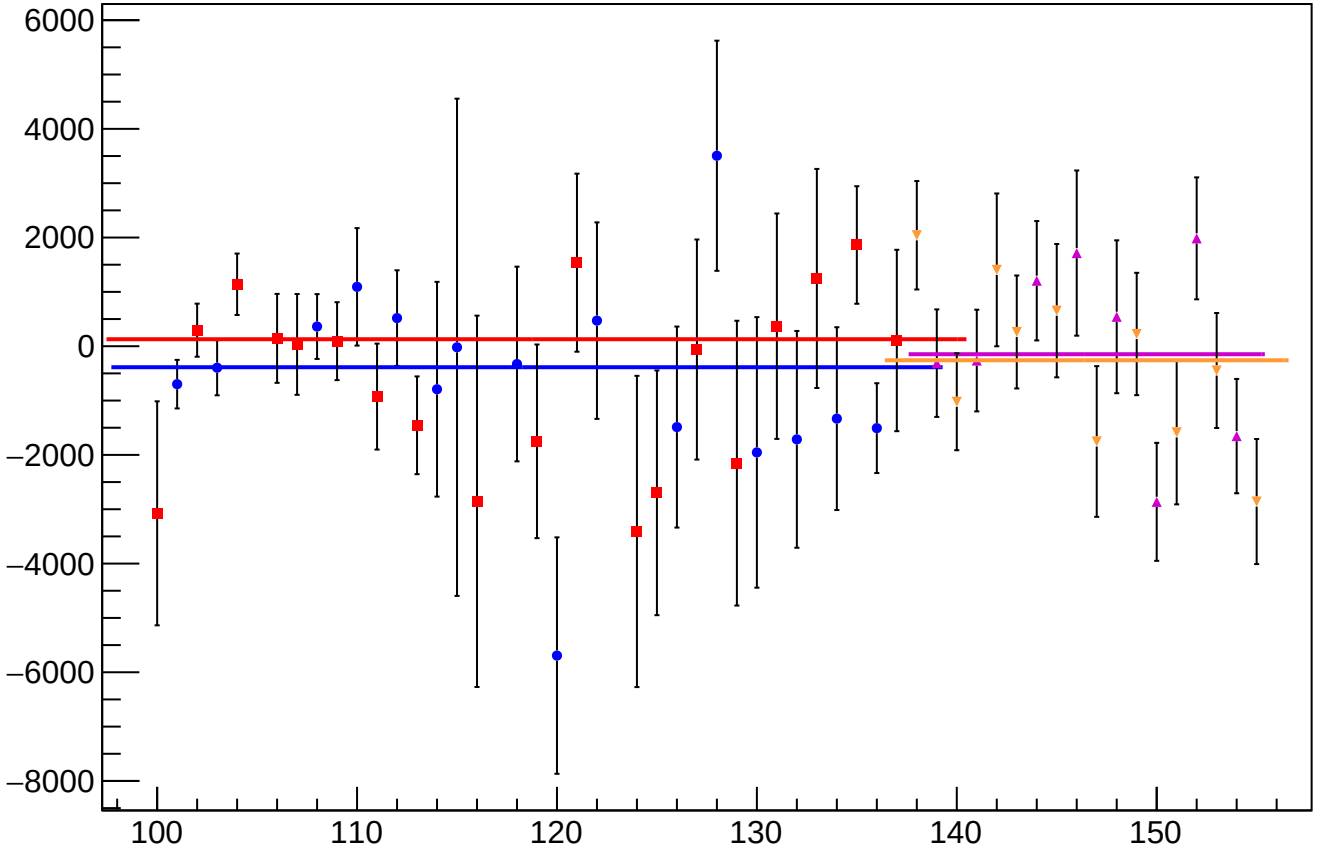
Left In: 1046.759+/-0.283 χ^2/NDF:267540.8/7

+ sign 702.079+/-0.143 χ^2/NDF: 5788615.4/25

All: 704.273+/-0.102 χ^2/NDF: 11129887.2/52

- sign 706.566+/-0.146 χ^2/NDF: 5340787.6/26

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -258.556+/-356.156 χ^2/NDF:15.7/9

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

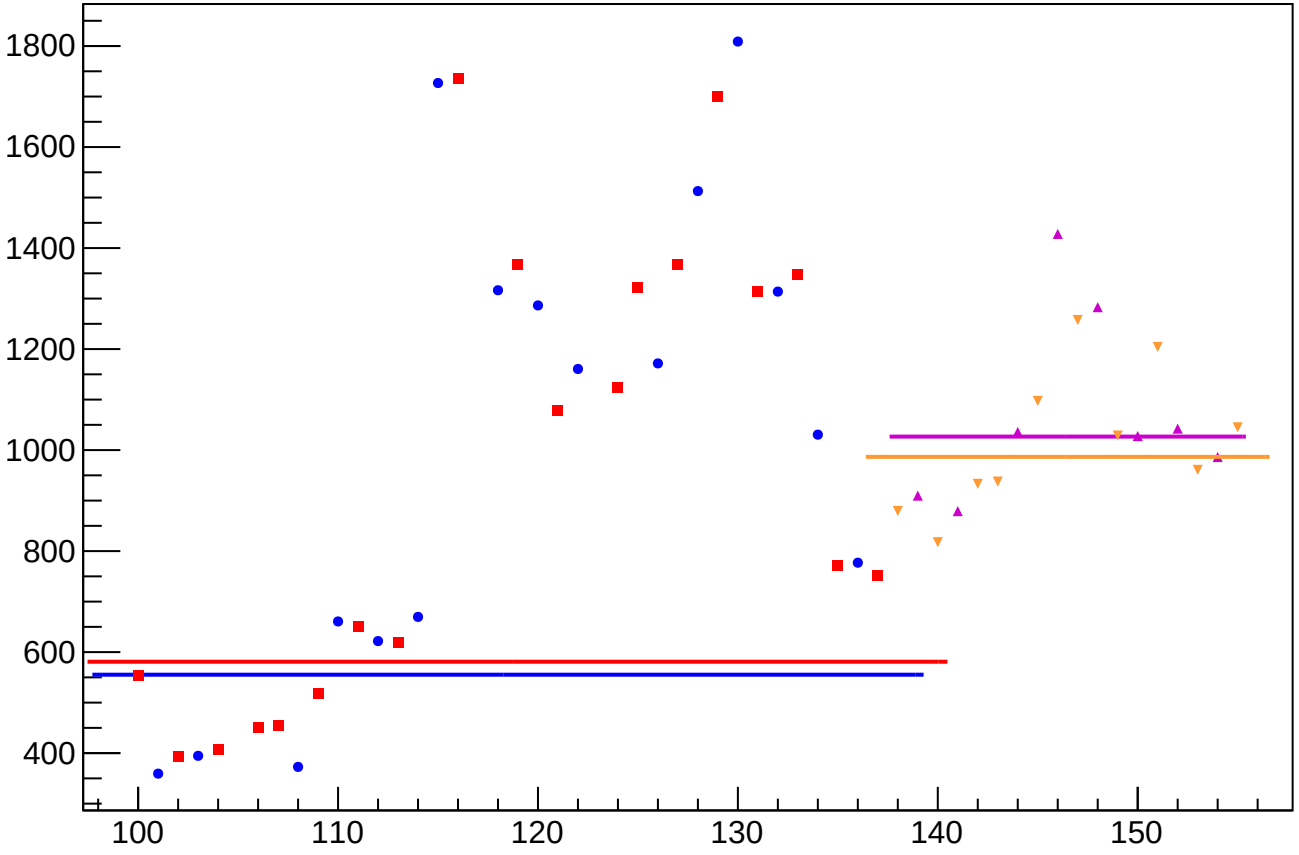
Left In: -147.245+/-392.903 χ^2/NDF:15.2/7

+ sign -347.128+/-197.610 χ^2/NDF: 33.8/25

All: -152.456+/-141.841 χ^2/NDF: 70.7/52

- sign 54.432+/-203.716 χ^2/NDF: 35.0/26

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 986.629+/-0.252 χ^2/NDF:257918.9/9

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

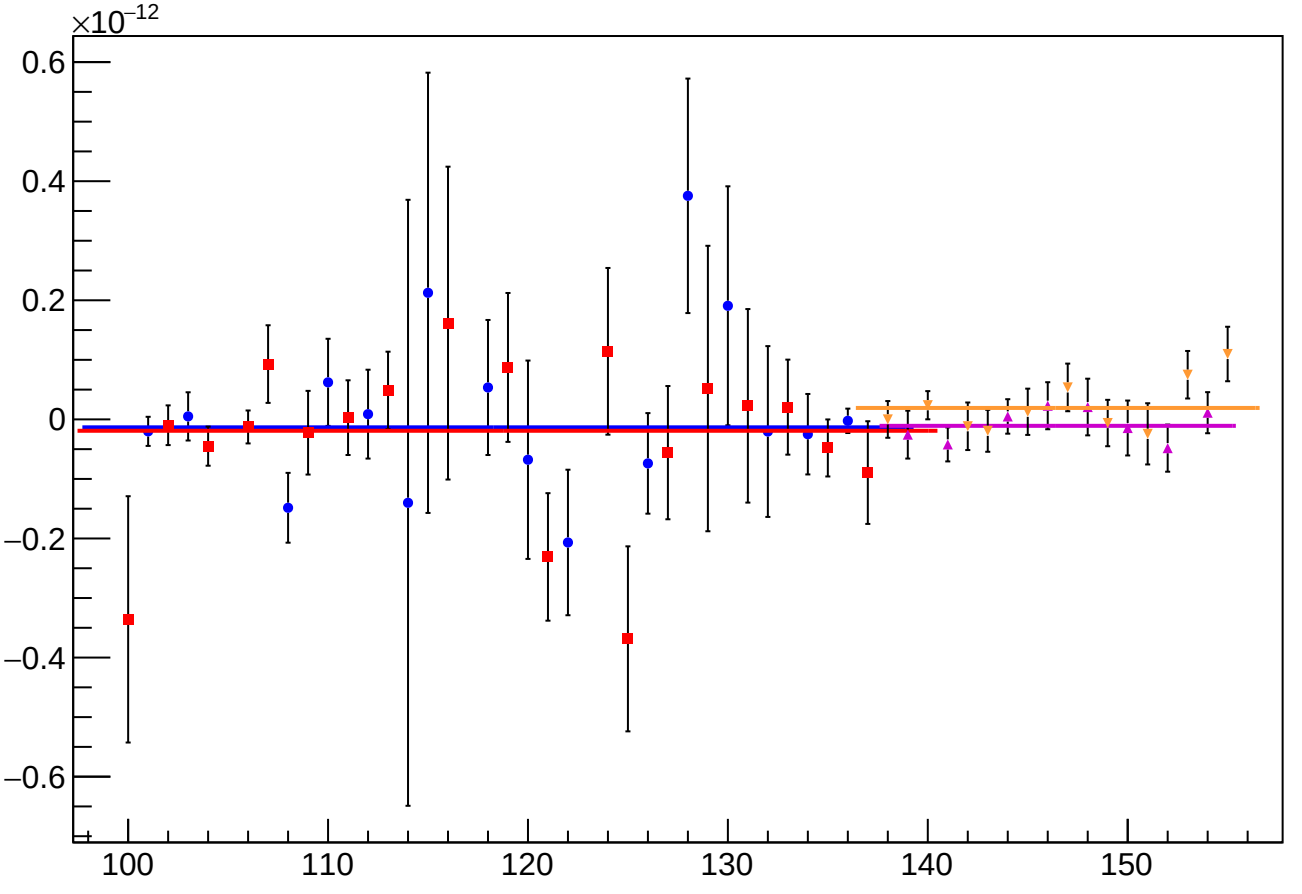
Left In: 1026.706+/-0.278 χ^2/NDF:286942.4/7

+ sign 688.078+/-0.140 χ^2/NDF: 5770855.5/25

All: 694.254+/-0.100 χ^2/NDF: 10927225.6/52

- sign 700.816+/-0.144 χ^2/NDF: 5152341.4/26

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/9

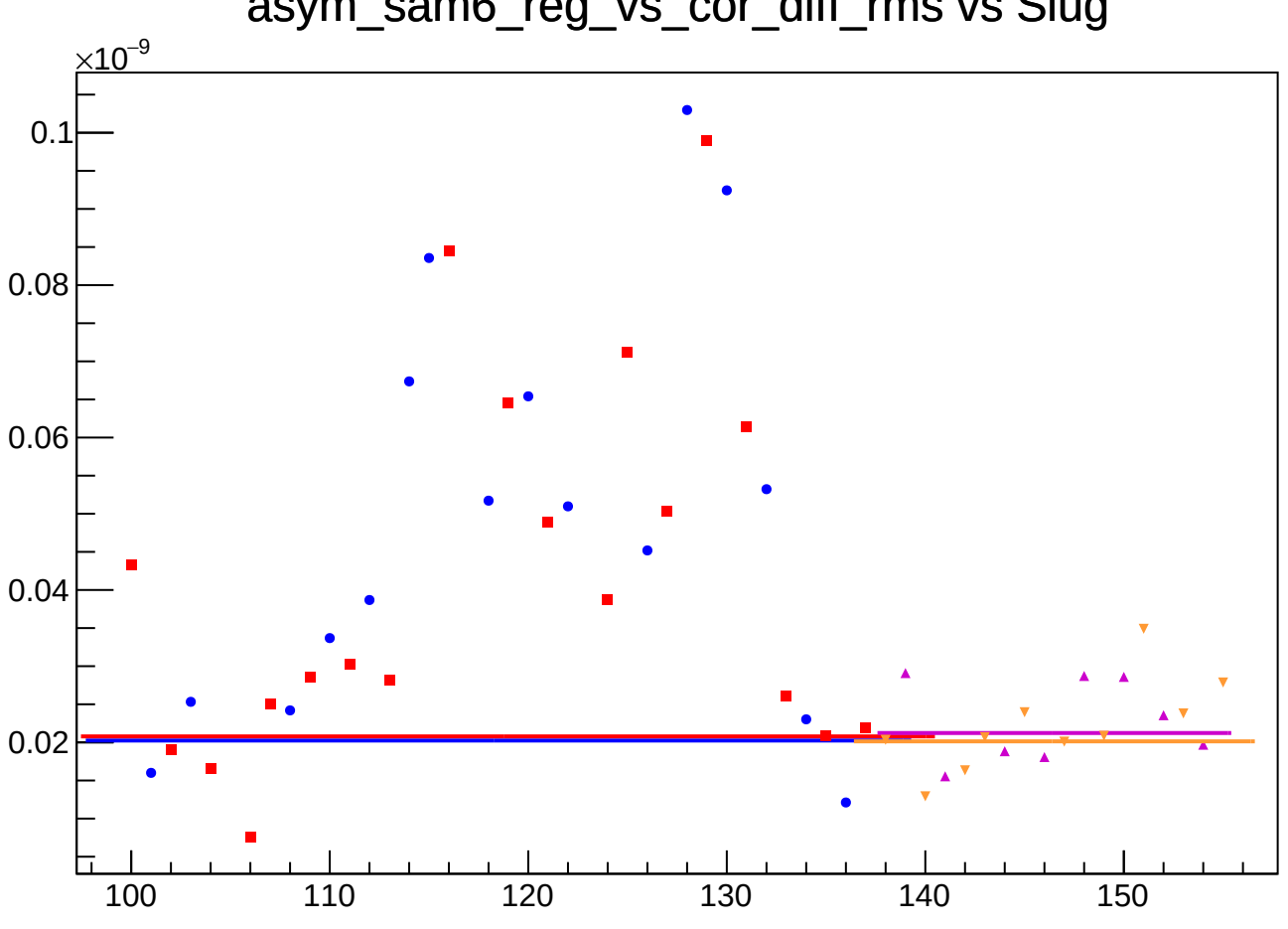
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

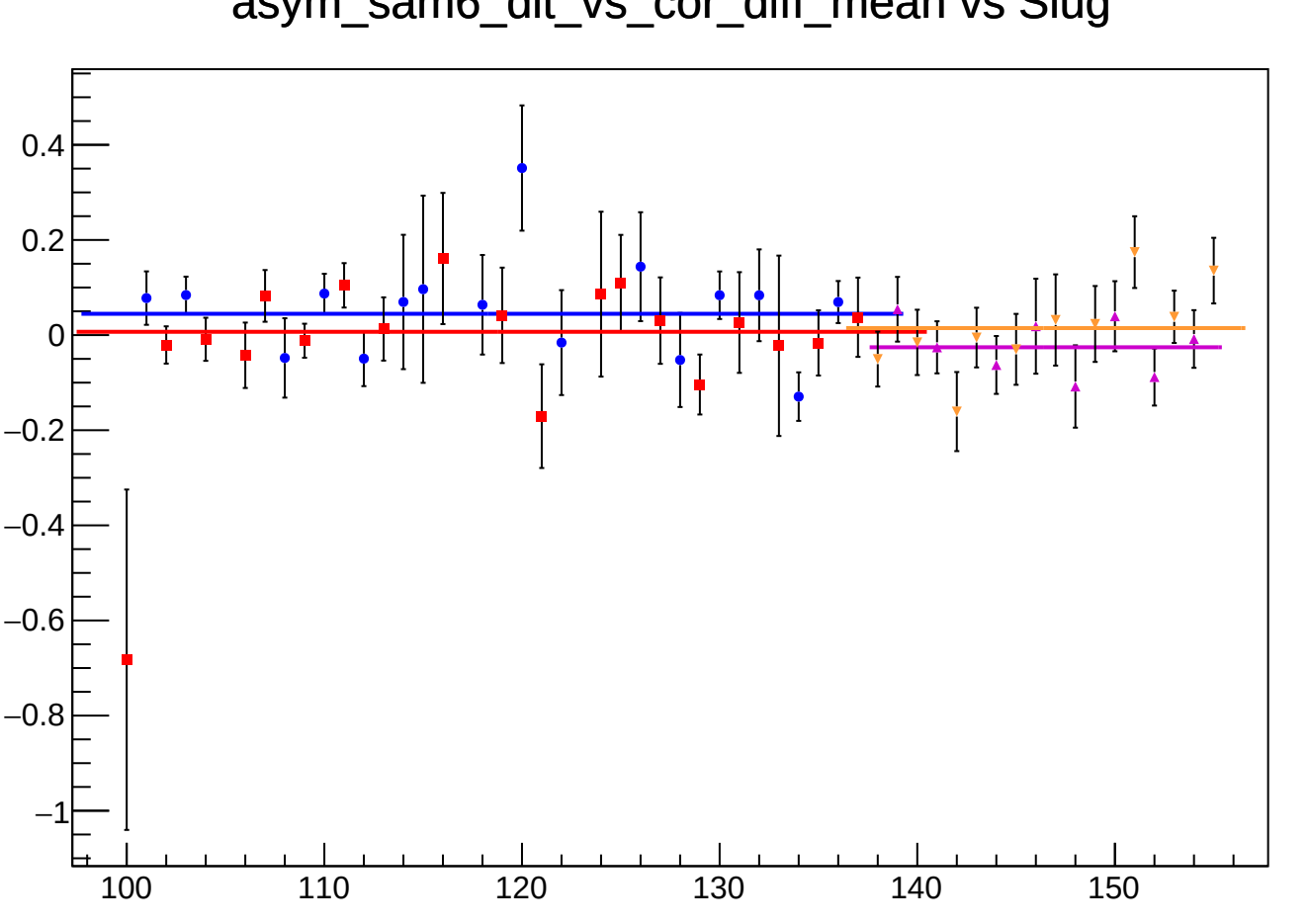
Left In: -0.000+/-0.000 χ^2/NDF:4.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 29.5/25

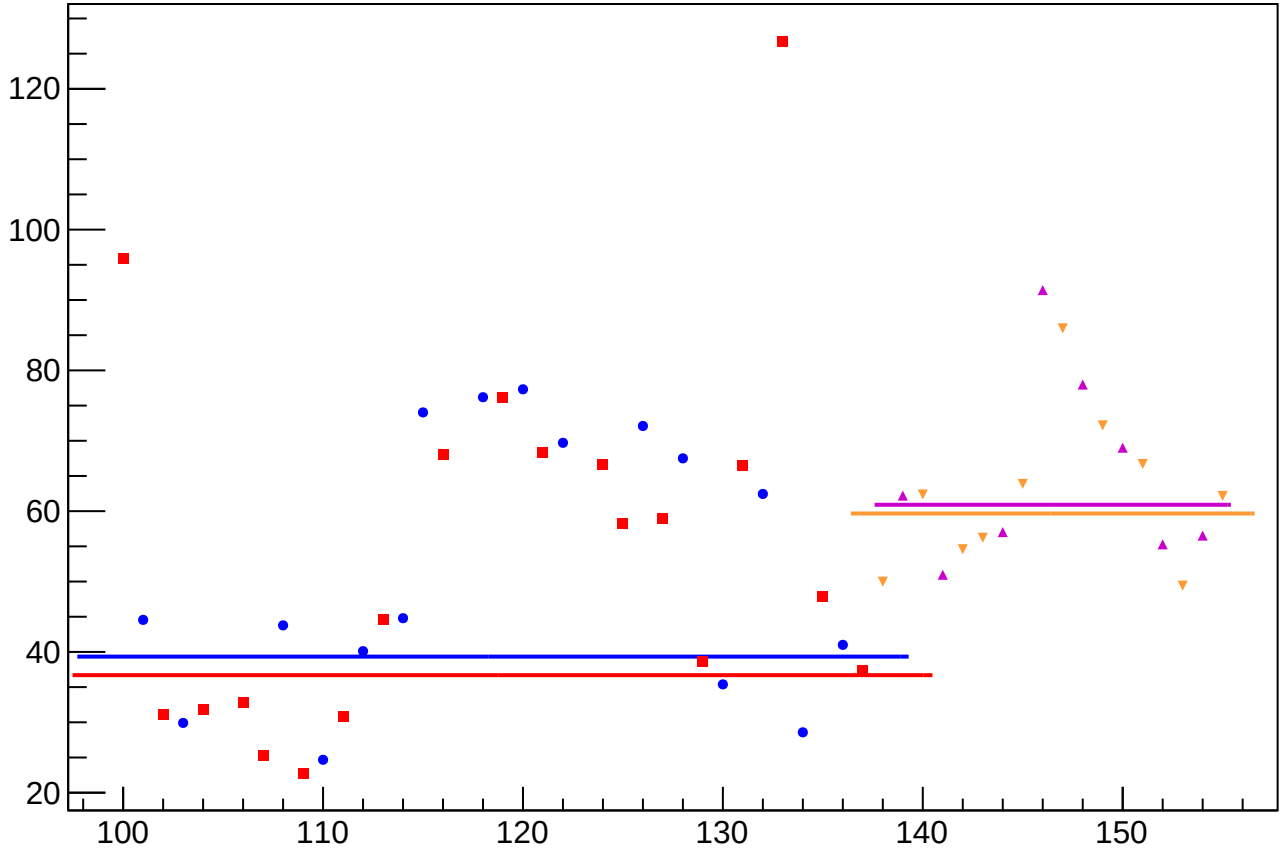
All: -0.000+/-0.000 χ^2/NDF: 56.0/52

- sign -0.000+/-0.000 χ^2/NDF: 24.2/26


asym_sam6_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:463279.8/9
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:293417.8/7
+ sign 0.000+/-0.000 χ²/NDF: 2468038.5/25
All: 0.000+/-0.000 χ²/NDF: 4627218.7/52
- sign 0.000+/-0.000 χ²/NDF: 2150418.6/26


asym_sam6_dit_vs_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
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.015+/-0.022 χ²/NDF:14.2/9
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.026+/-0.024 χ²/NDF:4.8/7
+ sign 0.034+/-0.013 χ²/NDF: 42.0/25
All: 0.016+/-0.009 χ²/NDF: 72.4/52
- sign -0.003+/-0.013 χ²/NDF: 26.3/26

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.669+/-0.016 χ^2/NDF:368709.9/9

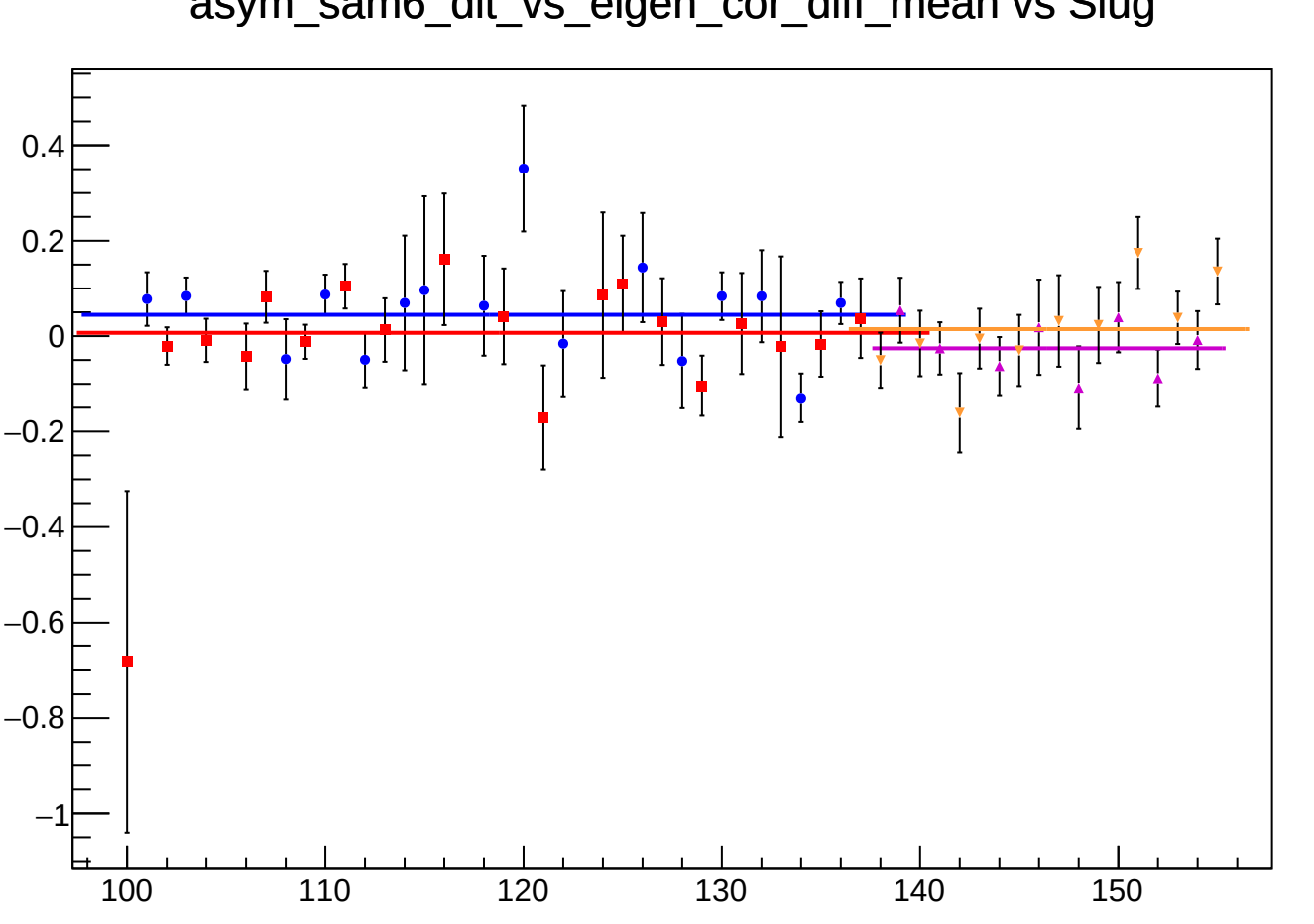
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 60.908+/-0.017 χ^2/NDF:391577.2/7

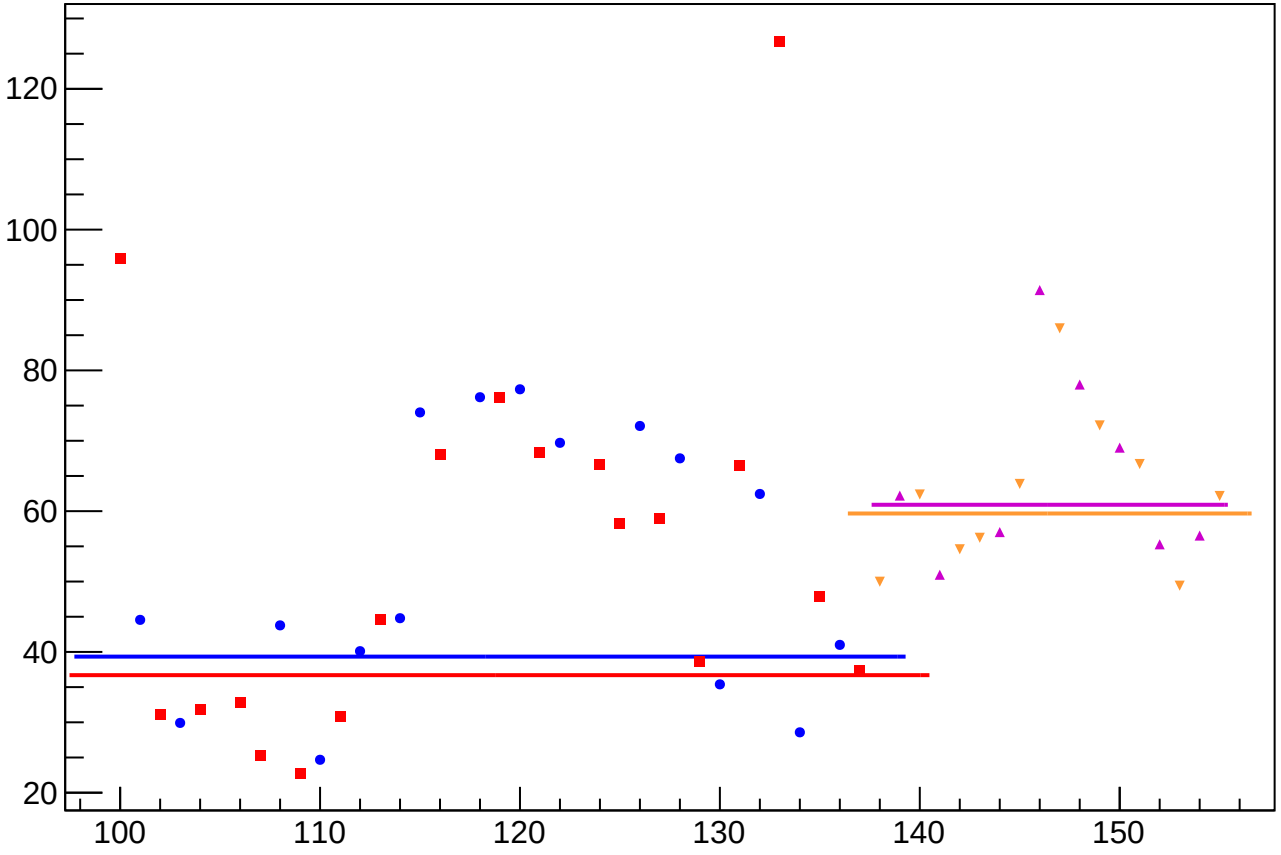
+ sign 46.398+/-0.009 χ^2/NDF: 3054260.8/25

All: 45.036+/-0.006 χ^2/NDF: 7074206.6/52

- sign 43.718+/-0.009 χ^2/NDF: 3976363.1/26


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
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.015+/-0.022 χ²/NDF:14.2/9
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.026+/-0.024 χ²/NDF:4.8/7
+ sign 0.034+/-0.013 χ²/NDF: 42.0/25
All: 0.016+/-0.009 χ²/NDF: 72.4/52
- sign -0.003+/-0.013 χ²/NDF: 26.3/26

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.669+/-0.016 χ^2/NDF:368709.9/9

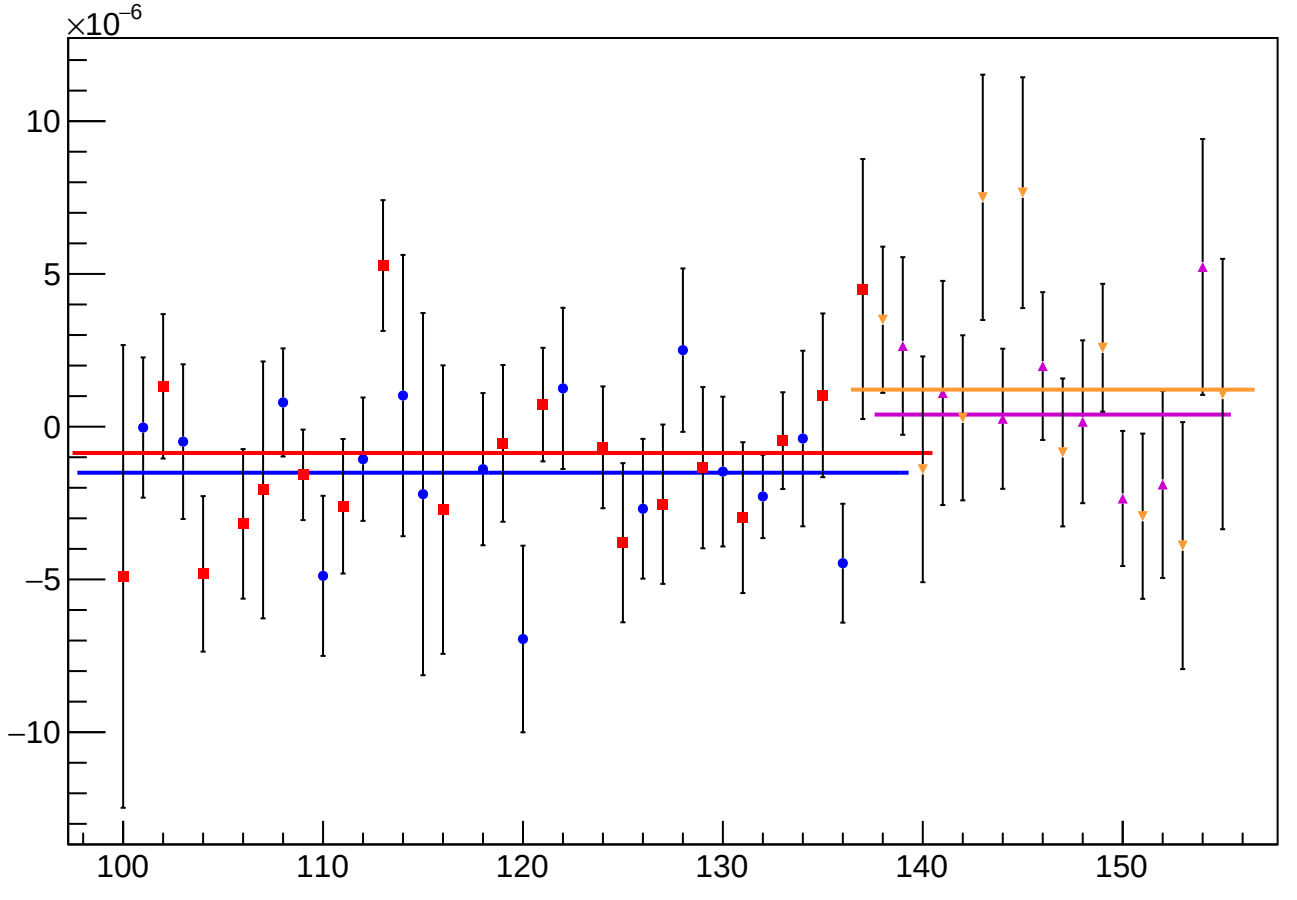
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 60.908+/-0.017 χ^2/NDF:391577.2/7

+ sign 46.398+/-0.009 χ^2/NDF: 3054260.8/25

All: 45.036+/-0.006 χ^2/NDF: 7074206.6/52

- sign 43.718+/-0.009 χ^2/NDF: 3976363.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/9

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

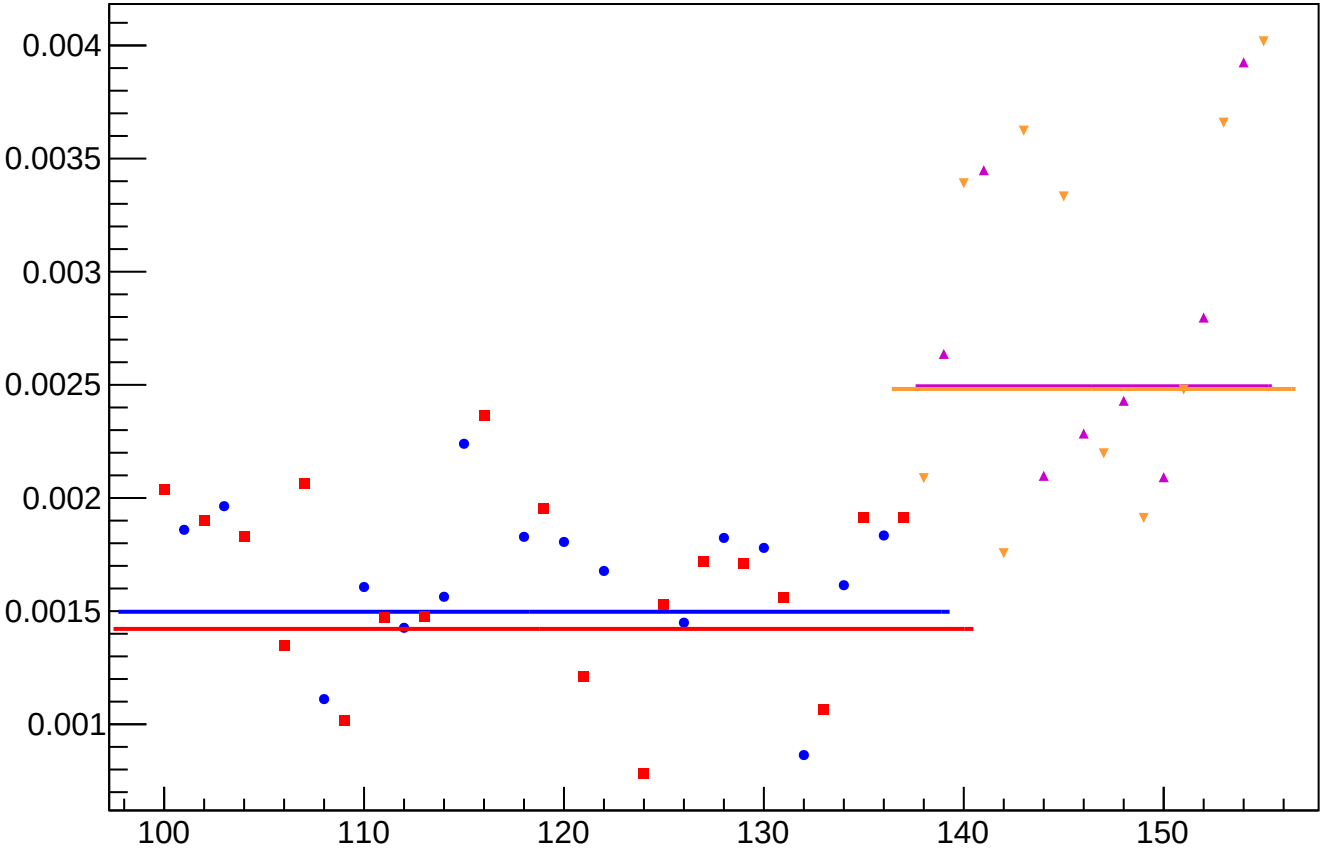
Left In: 0.000+/-0.000 χ^2/NDF:4.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 32.0/25

All: -0.000+/-0.000 χ^2/NDF: 57.0/52

- sign -0.000+/-0.000 χ^2/NDF: 24.9/26

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1169437.0/9

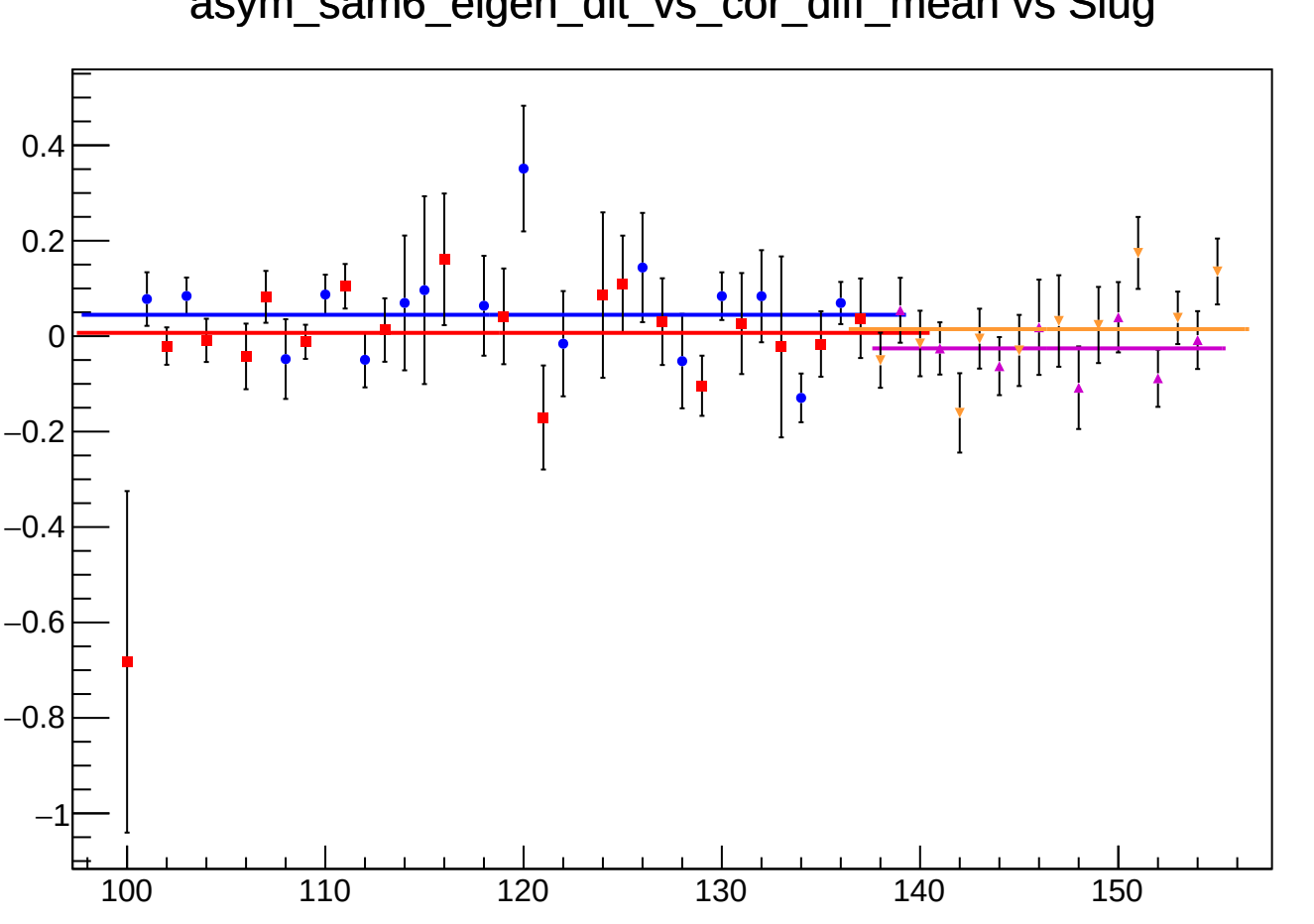
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.002+/-0.000 χ^2/NDF:535654.7/7

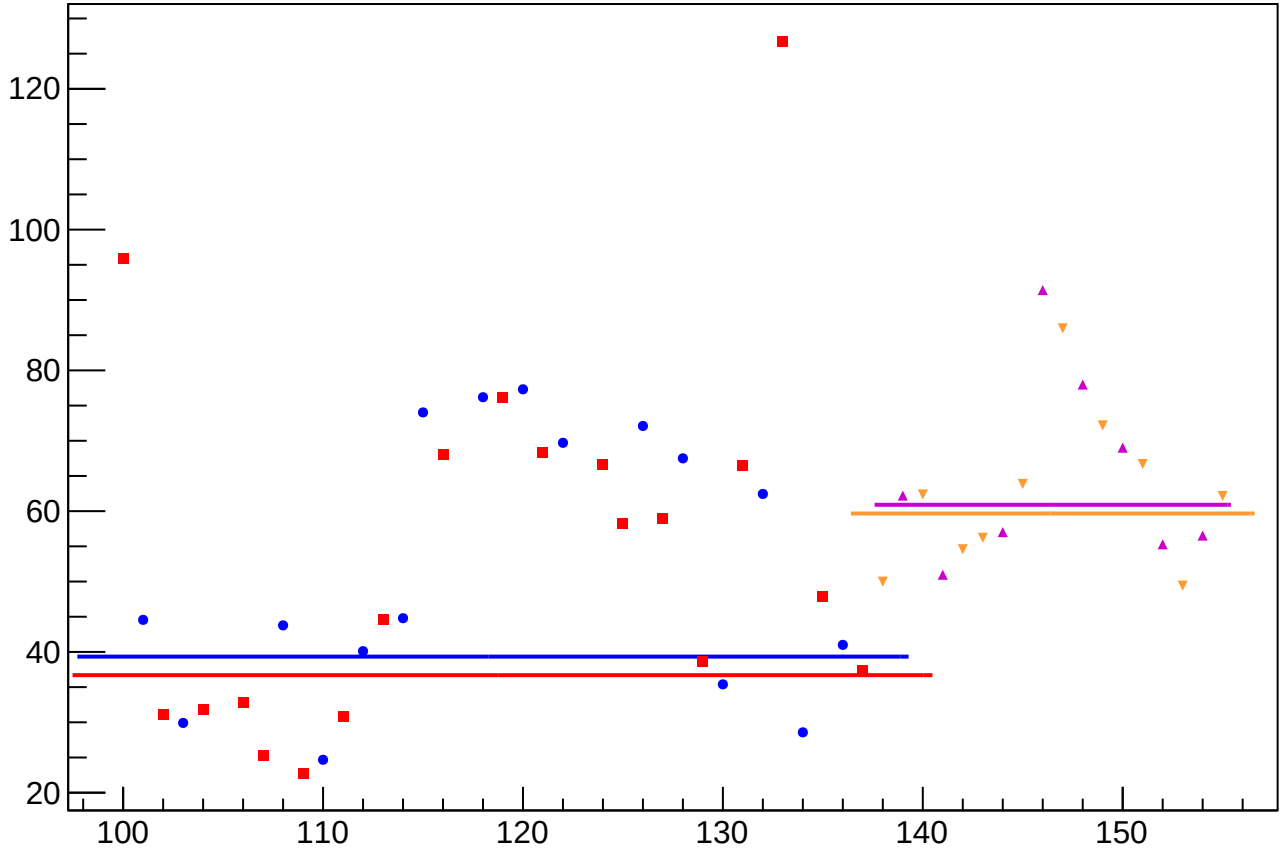
+ sign 0.002+/-0.000 χ^2/NDF: 3658506.8/25

All: 0.002+/-0.000 χ^2/NDF: 7093040.5/52

- sign 0.002+/-0.000 χ^2/NDF: 3393801.3/26


asym_sam6_eigen_dit_vs_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
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.015+/-0.022 χ²/NDF:14.2/9
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.026+/-0.024 χ²/NDF:4.8/7
+ sign 0.034+/-0.013 χ²/NDF: 42.0/25
All: 0.016+/-0.009 χ²/NDF: 72.4/52
- sign -0.003+/-0.013 χ²/NDF: 26.3/26

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.668+/-0.016 χ^2/NDF:368696.1/9

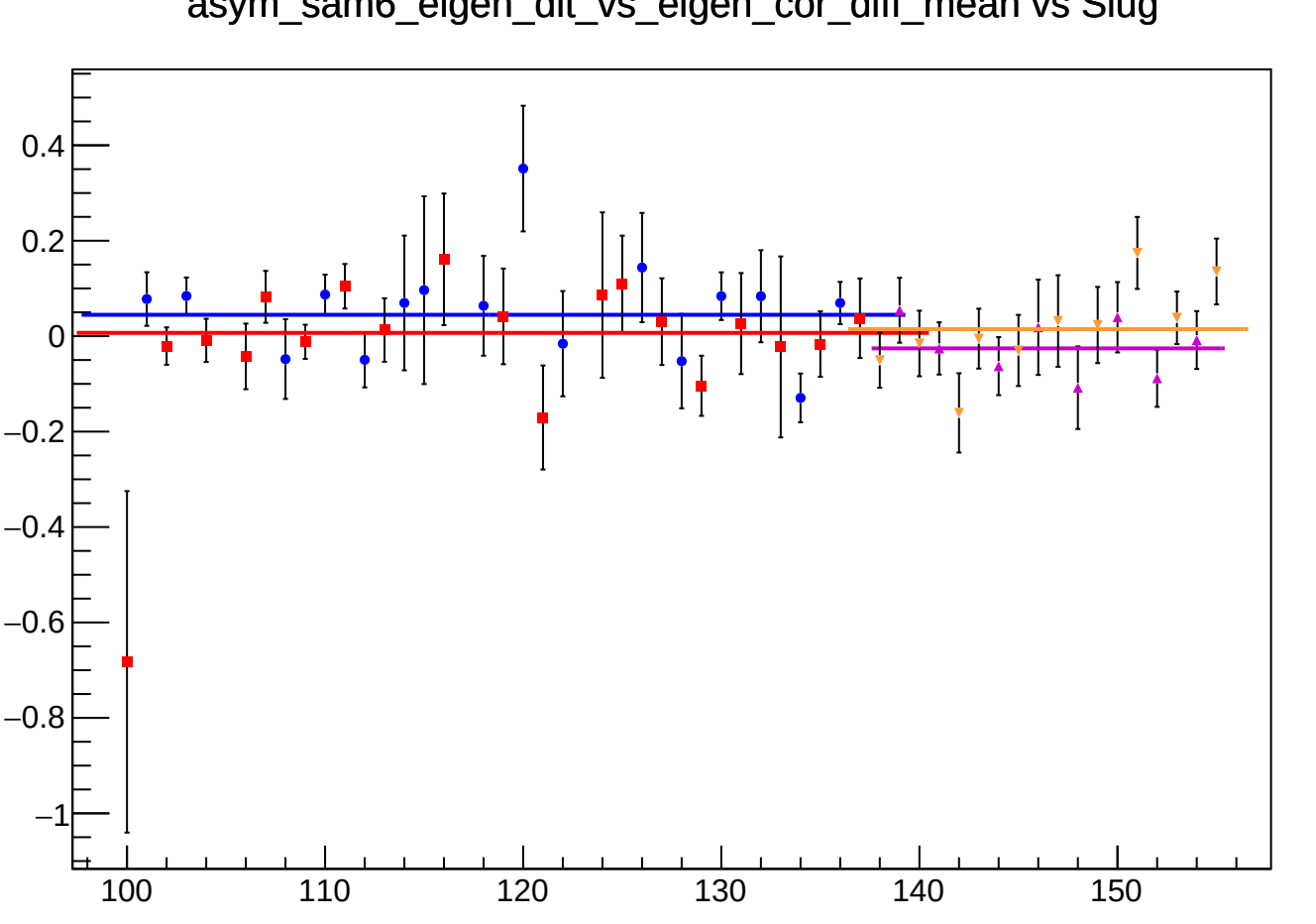
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

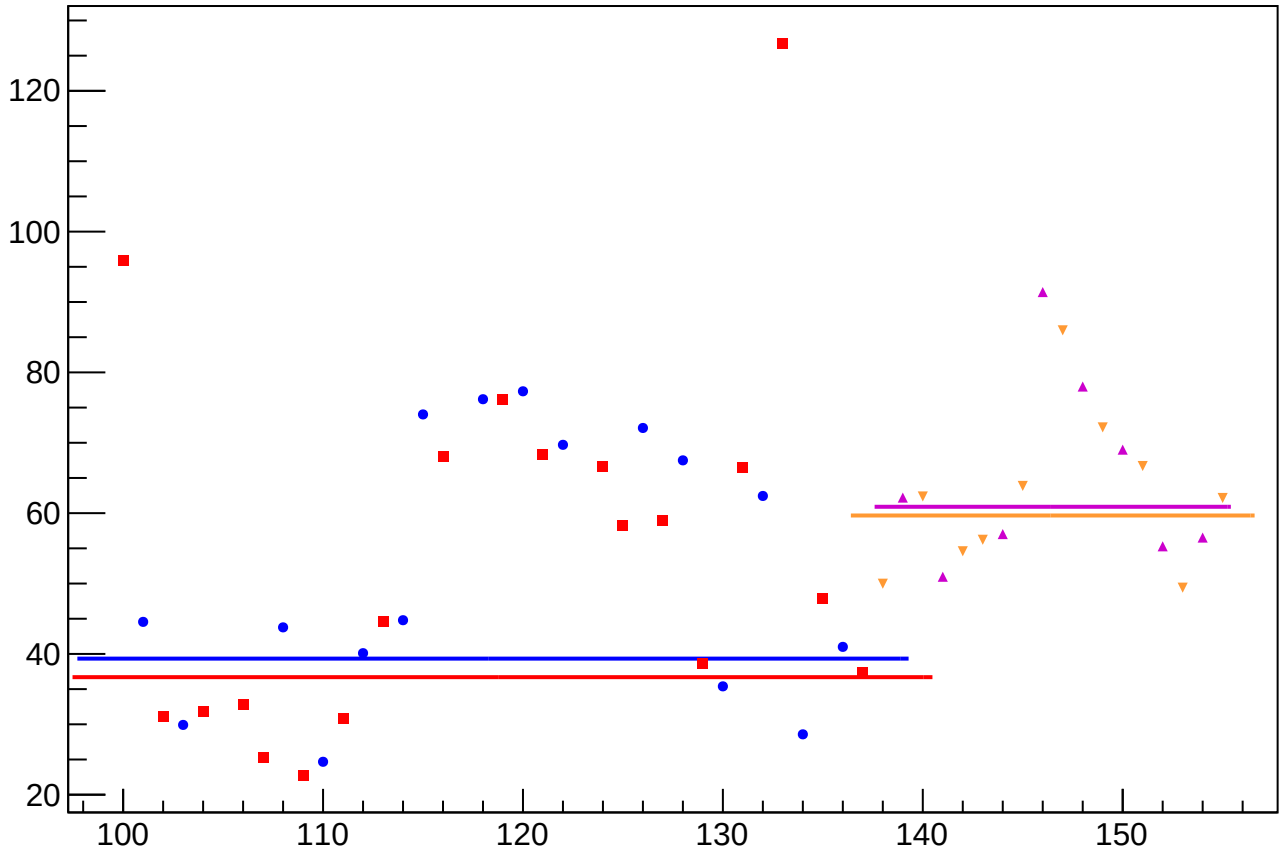
Left In: 60.907+/-0.017 χ^2/NDF:391583.1/7

+ sign 46.397+/-0.009 χ^2/NDF: 3054293.2/25

All: 45.035+/-0.006 χ^2/NDF: 7074220.8/52

- sign 43.717+/-0.009 χ^2/NDF: 3976351.5/26


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
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.015+/-0.022 χ²/NDF:14.2/9
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.026+/-0.024 χ²/NDF:4.8/7
+ sign 0.034+/-0.013 χ²/NDF: 42.0/25
All: 0.016+/-0.009 χ²/NDF: 72.4/52
- sign -0.003+/-0.013 χ²/NDF: 26.3/26



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.668+/-0.016 χ^2/NDF:368696.1/9

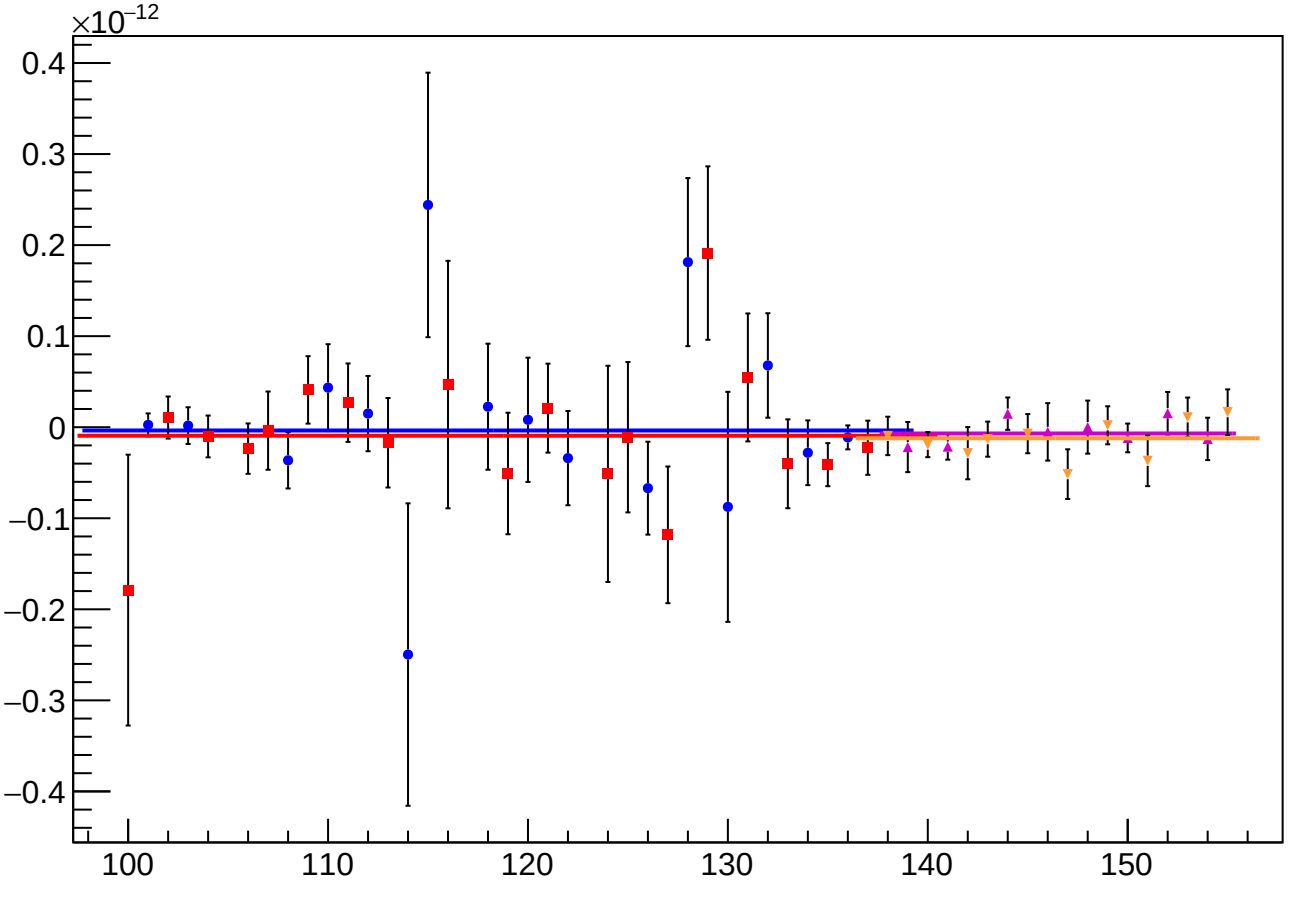
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 60.907+/-0.017 χ^2/NDF:391583.1/7

+ sign 46.397+/-0.009 χ^2/NDF: 3054293.2/25

All: 45.035+/-0.006 χ^2/NDF: 7074220.8/52

- sign 43.717+/-0.009 χ^2/NDF: 3976351.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/9

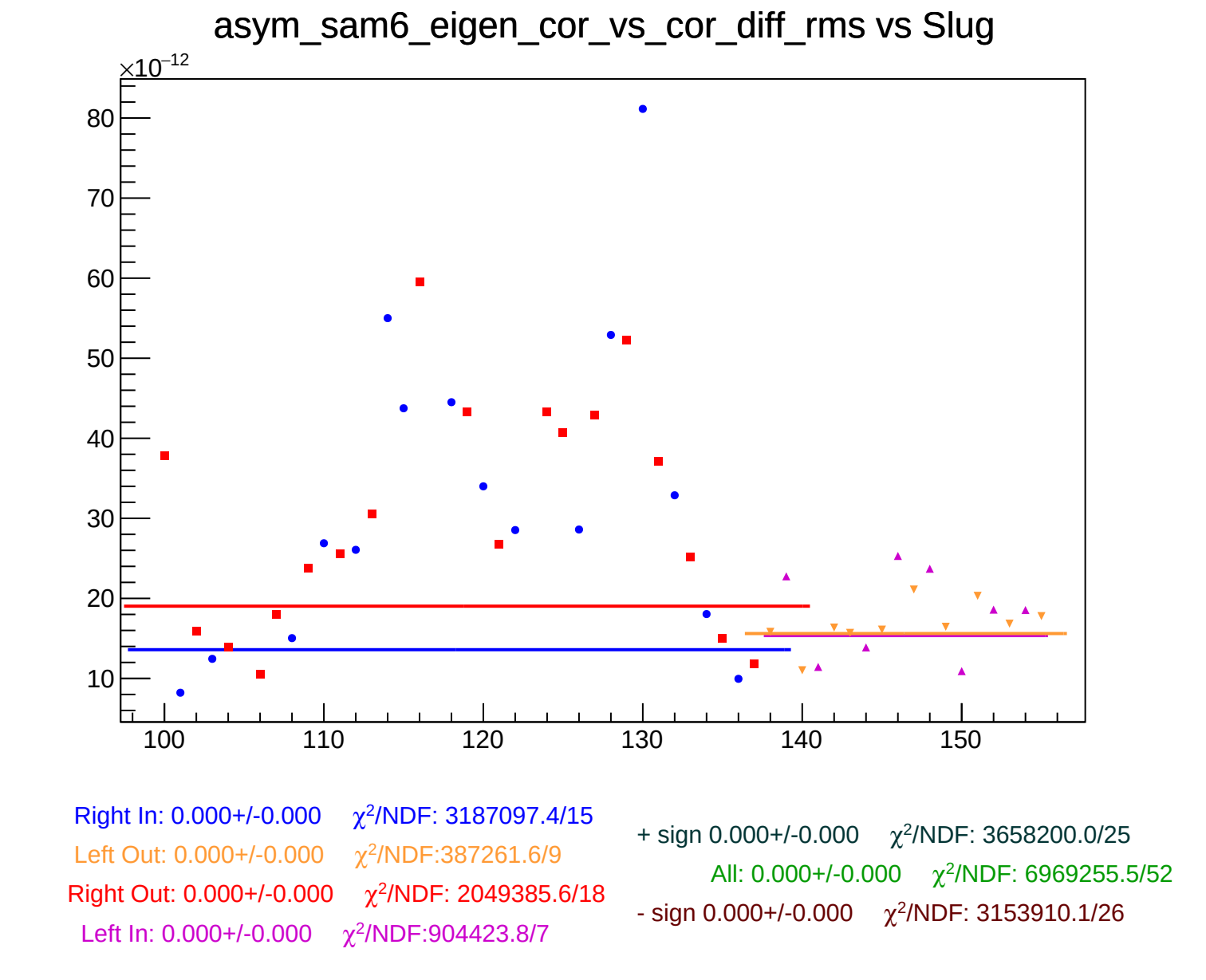
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/7

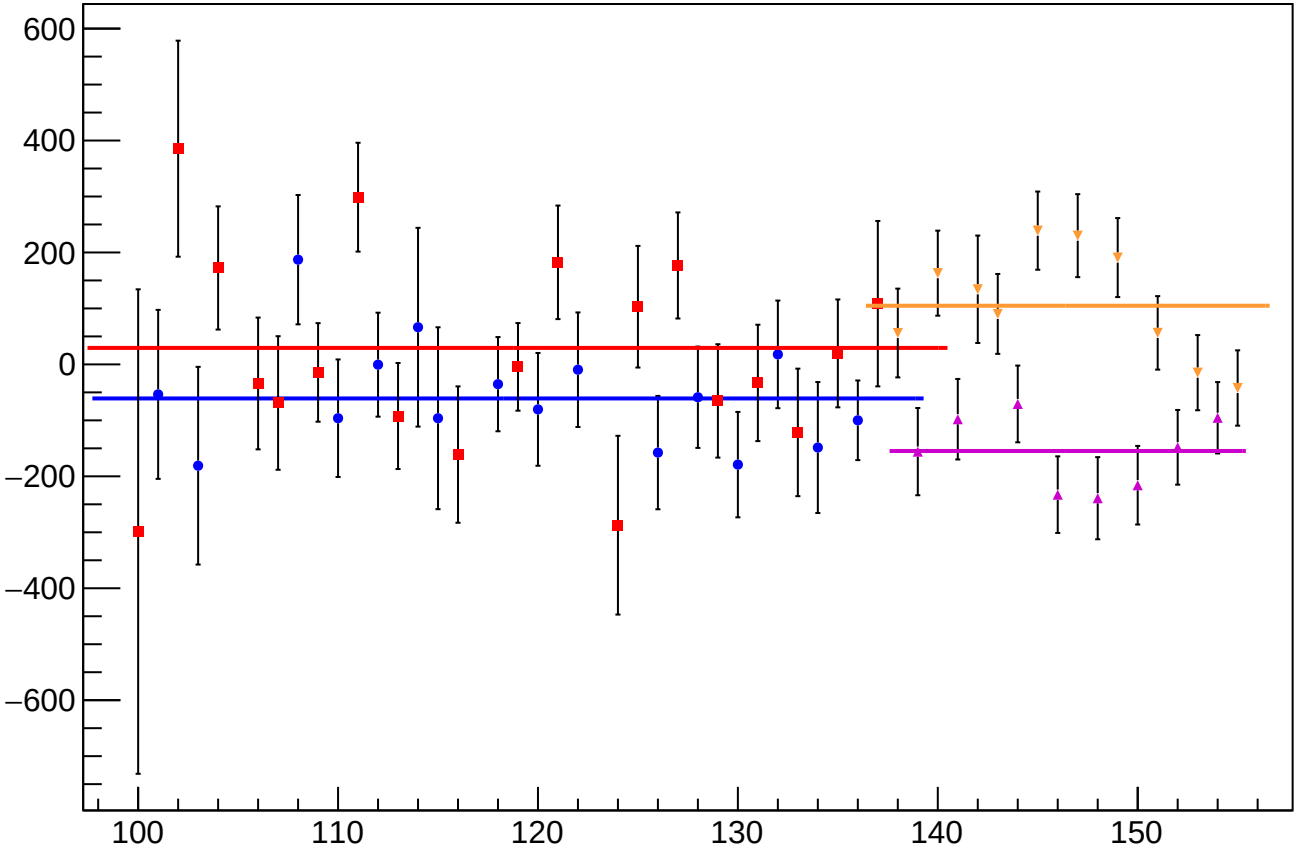
+ sign -0.000+/-0.000 χ^2/NDF: 23.8/25

All: -0.000+/-0.000 χ^2/NDF: 43.5/52

- sign -0.000+/-0.000 χ^2/NDF: 19.7/26


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:387261.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:904423.8/7
+ sign 0.000+/-0.000 χ²/NDF: 3658200.0/25
All: 0.000+/-0.000 χ²/NDF: 6969255.5/52
- sign 0.000+/-0.000 χ²/NDF: 3153910.1/26

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.815+/-22.949 χ^2/NDF:17.6/9

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

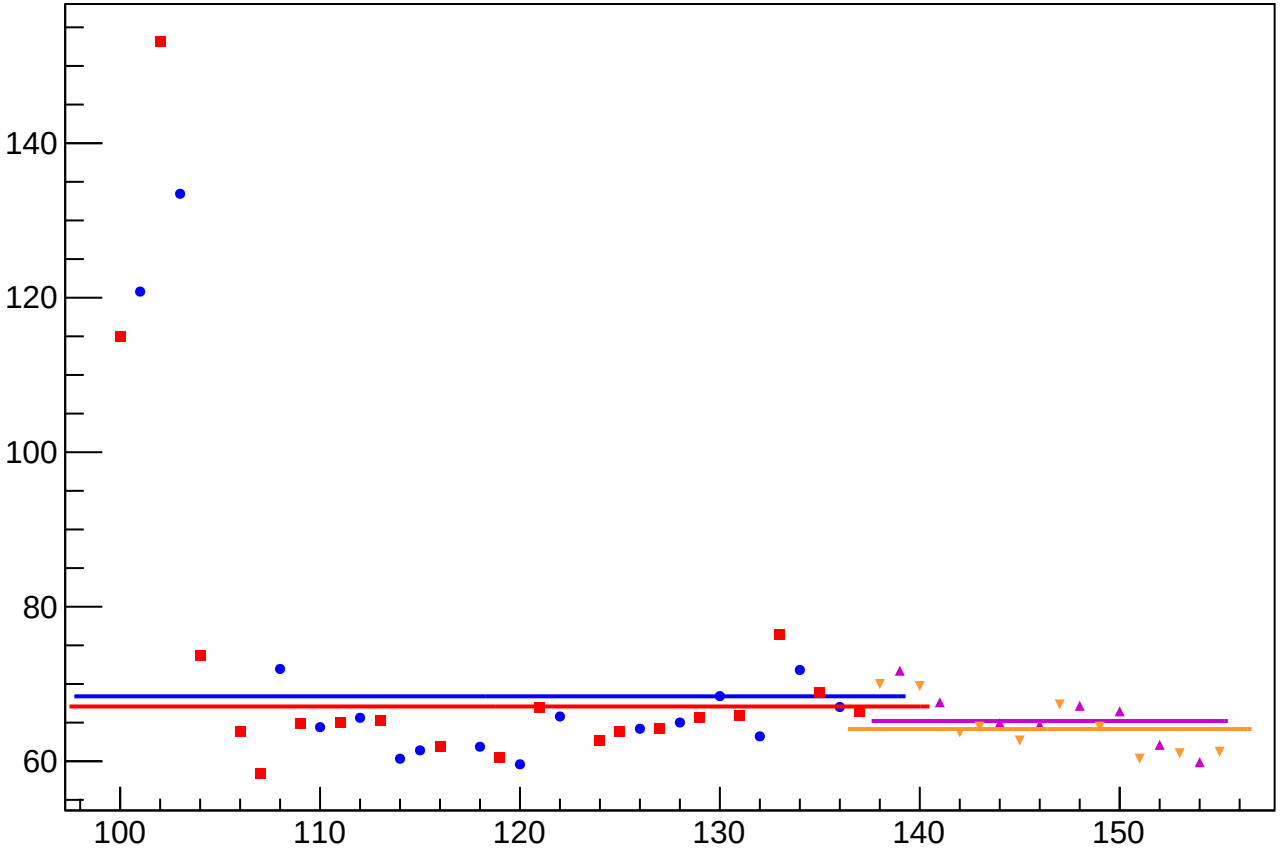
Left In: -154.712+/-24.672 χ^2/NDF:6.4/7

+ sign 32.440+/-17.221 χ^2/NDF: 51.0/25

All: -14.852+/-12.308 χ^2/NDF: 131.3/52

- sign -64.232+/-17.597 χ^2/NDF: 65.0/26

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.167+/-0.016 χ^2/NDF:41192.4/9

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

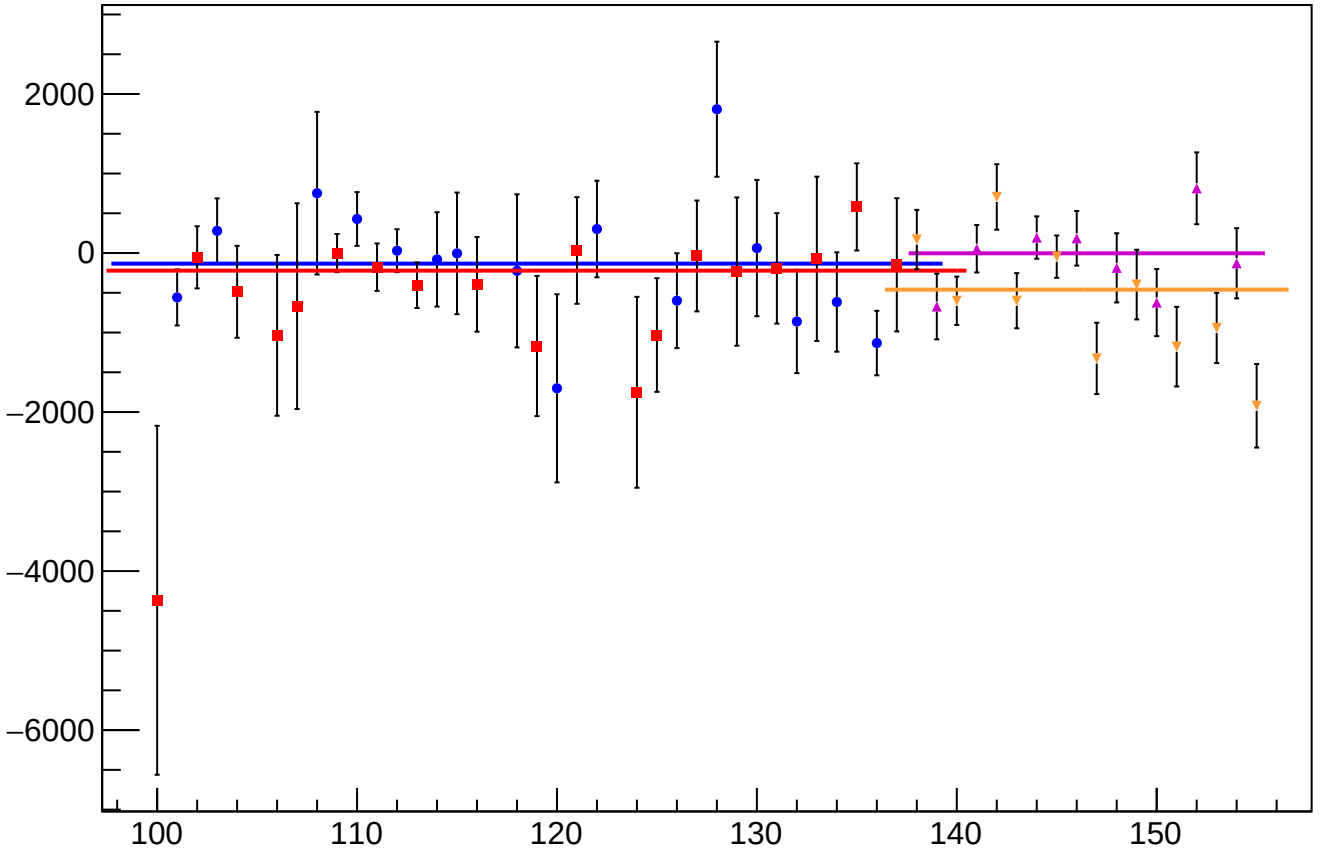
Left In: 65.206+/-0.017 χ^2/NDF:36674.1/7

+ sign 66.018+/-0.012 χ^2/NDF: 640530.5/25

All: 66.072+/-0.009 χ^2/NDF: 1164765.6/52

- sign 66.129+/-0.012 χ^2/NDF: 524193.8/26

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -460.333+/-120.200 χ^2/NDF:28.4/9

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

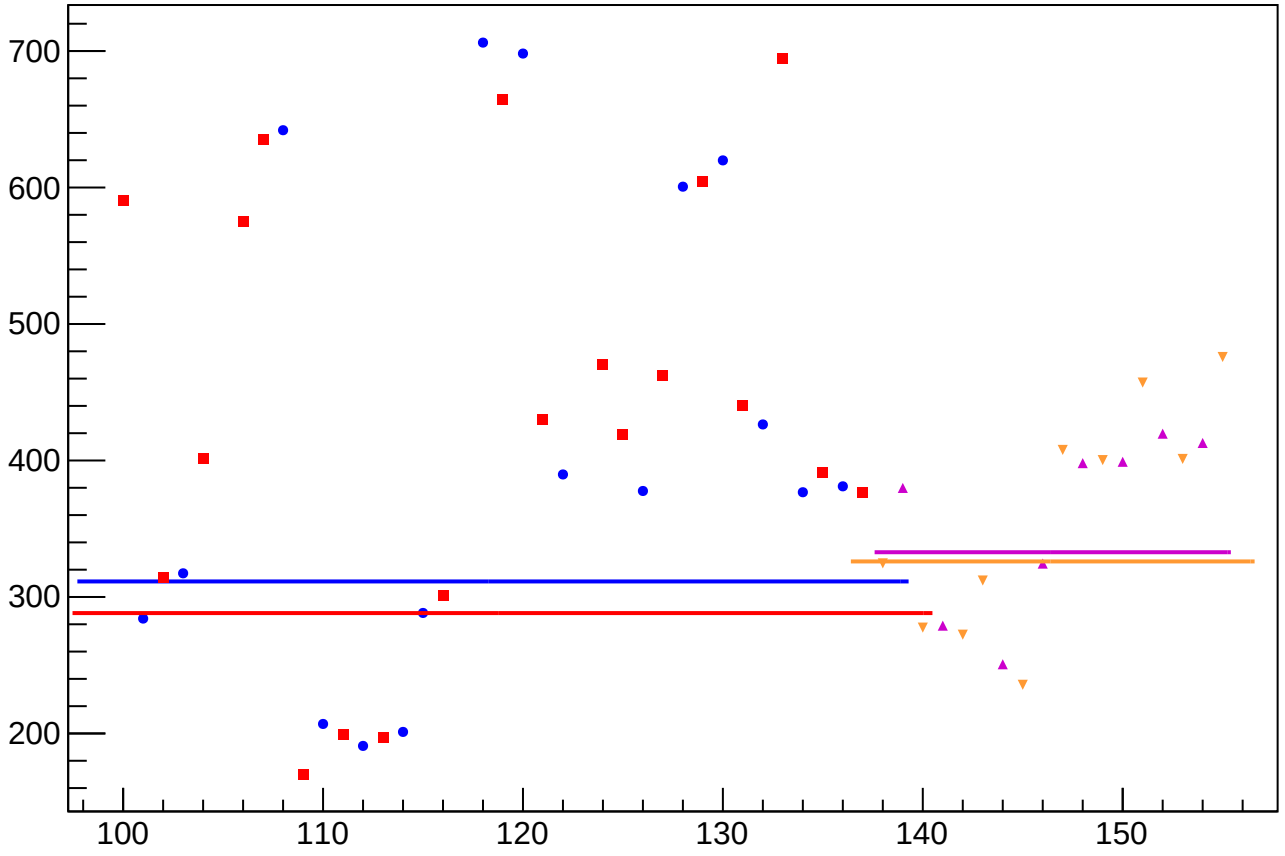
Left In: -3.259+/-128.470 χ^2/NDF:9.2/7

+ sign -304.530+/-86.941 χ^2/NDF: 54.4/25

All: -213.004+/-61.433 χ^2/NDF: 79.9/52

- sign -121.737+/-86.818 χ^2/NDF: 23.3/26

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 326.047+/-0.085 χ^2/NDF:799615.0/9

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

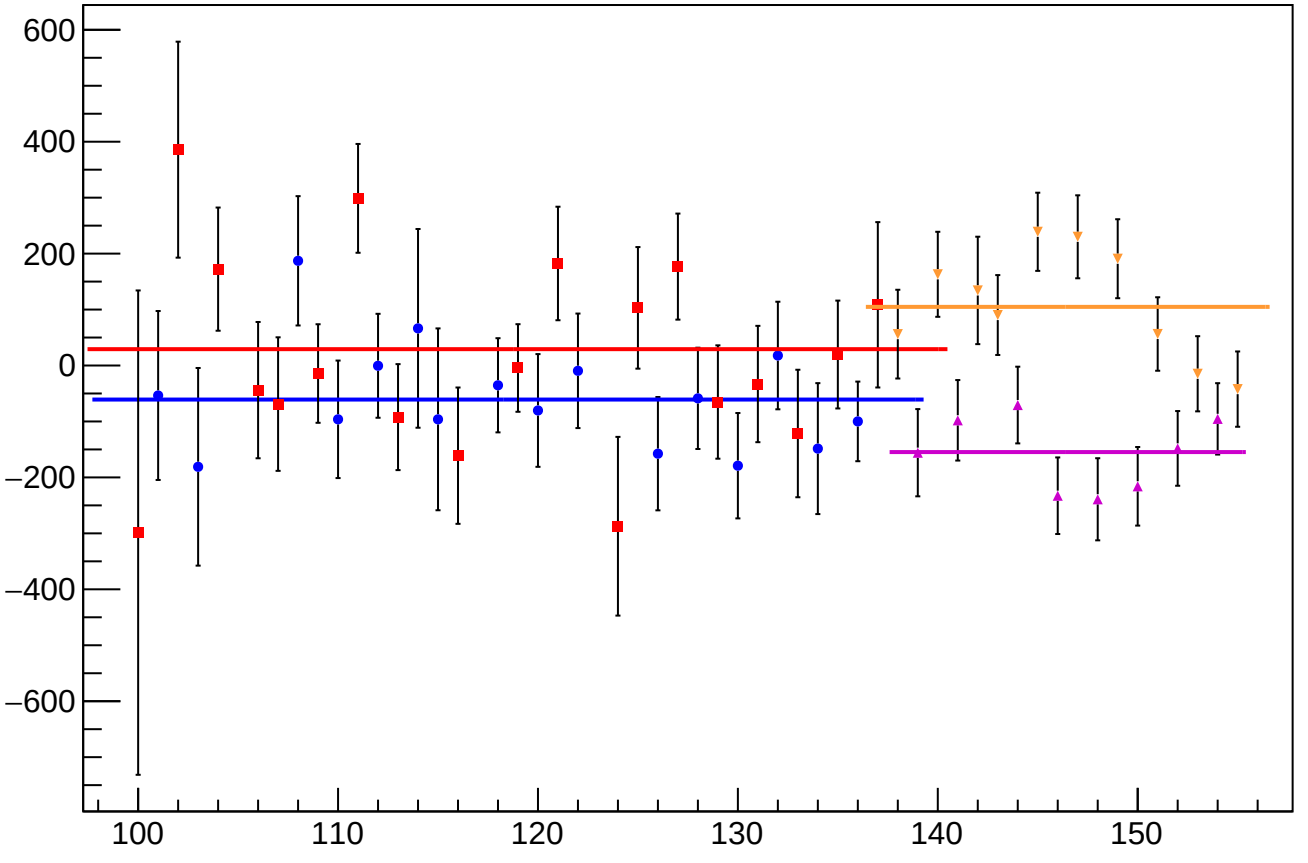
Left In: 332.791+/-0.091 χ^2/NDF:515860.2/7

+ sign 319.056+/-0.061 χ^2/NDF: 2937600.3/25

All: 313.804+/-0.043 χ^2/NDF: 6314301.4/52

- sign 308.566+/-0.061 χ^2/NDF: 3362123.3/26

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.815+/-22.949 χ^2/NDF:17.6/9

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

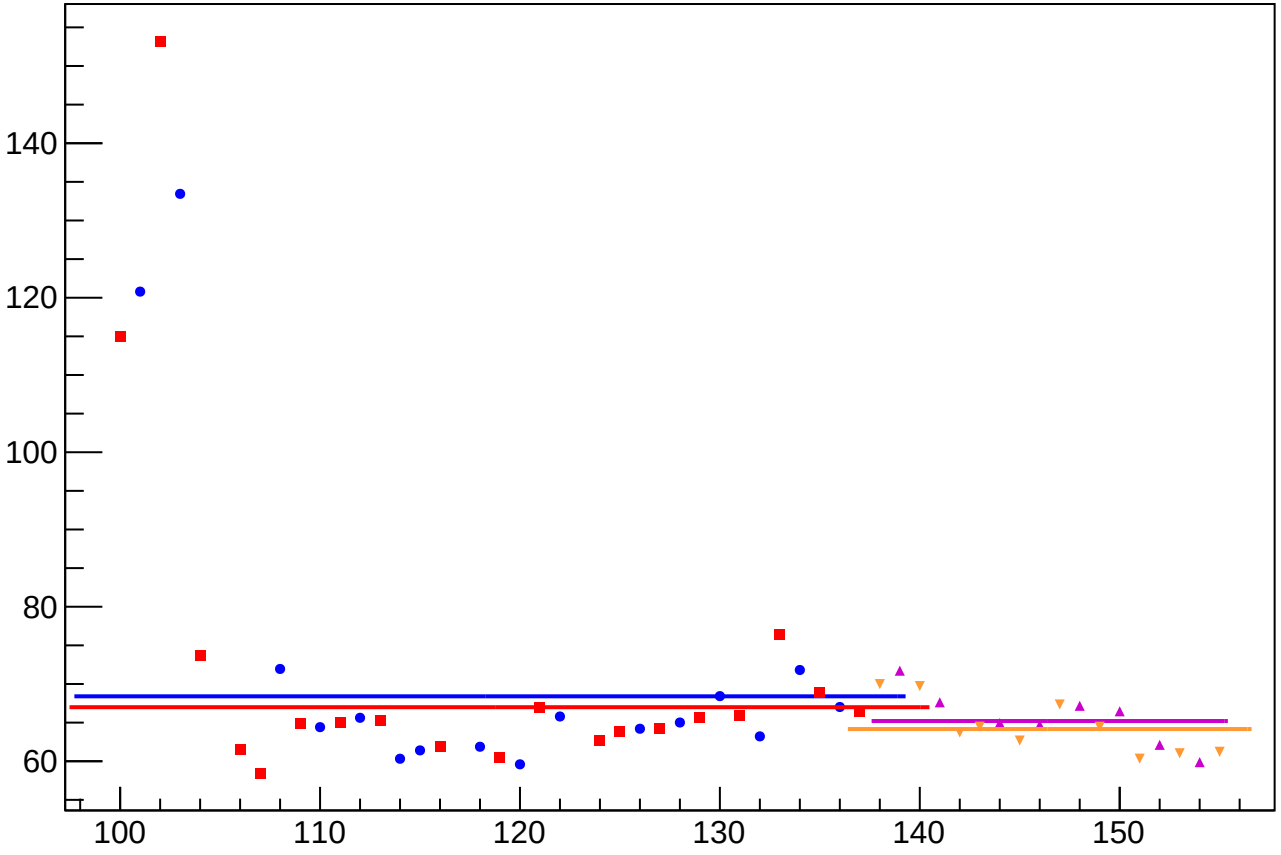
Left In: -154.712+/-24.672 χ^2/NDF:6.4/7

+ sign 32.439+/-17.221 χ^2/NDF: 51.0/25

All: -14.940+/-12.312 χ^2/NDF: 131.4/52

- sign -64.484+/-17.610 χ^2/NDF: 64.9/26

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.167+/-0.016 χ^2/NDF:41192.4/9

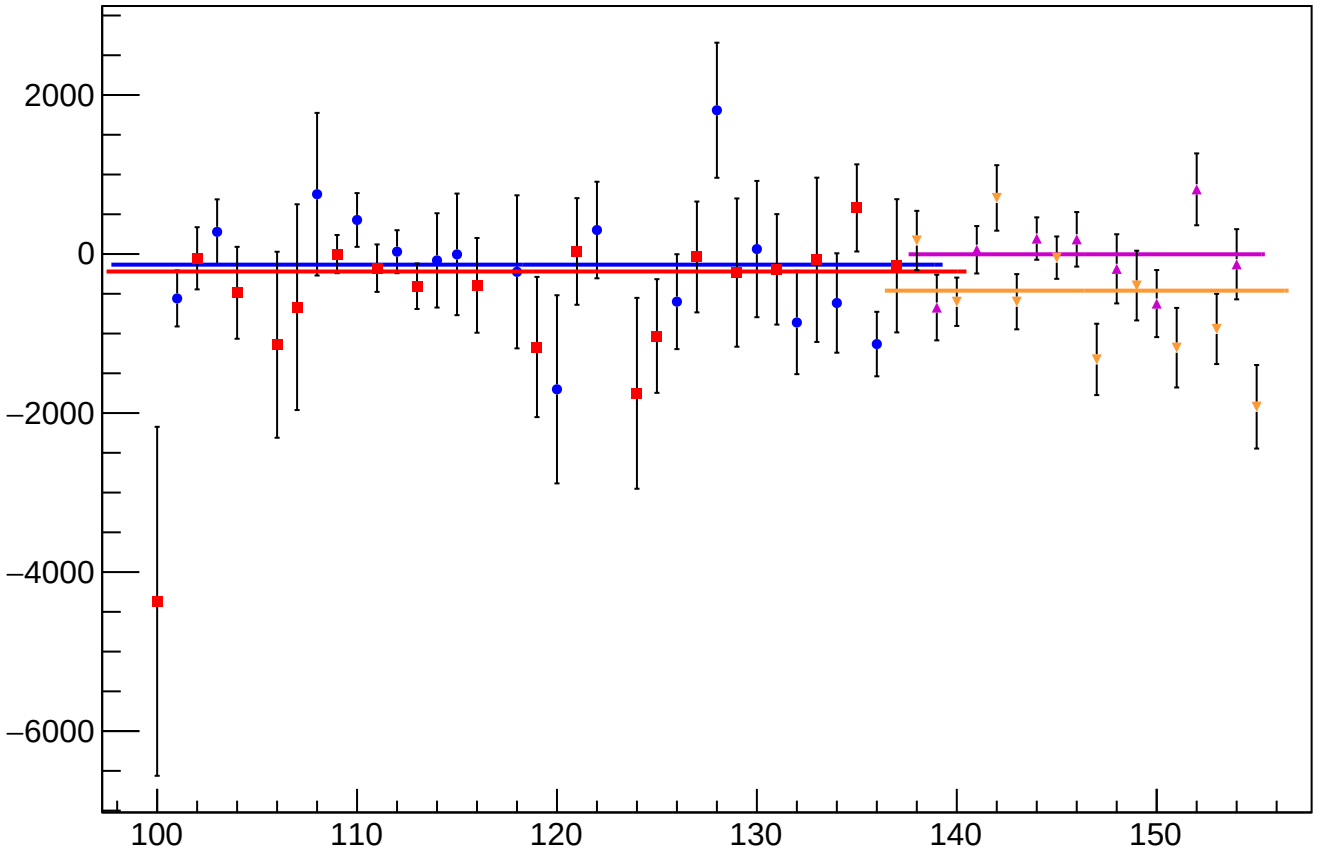
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.206+/-0.017 χ^2/NDF:36674.1/7

+ sign 66.018+/-0.012 χ^2/NDF: 640530.9/25

All: 66.050+/-0.009 χ^2/NDF: 1166864.1/52

- sign 66.083+/-0.012 χ^2/NDF: 526318.9/26



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -460.330+/-120.200 χ^2/NDF:28.4/9

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

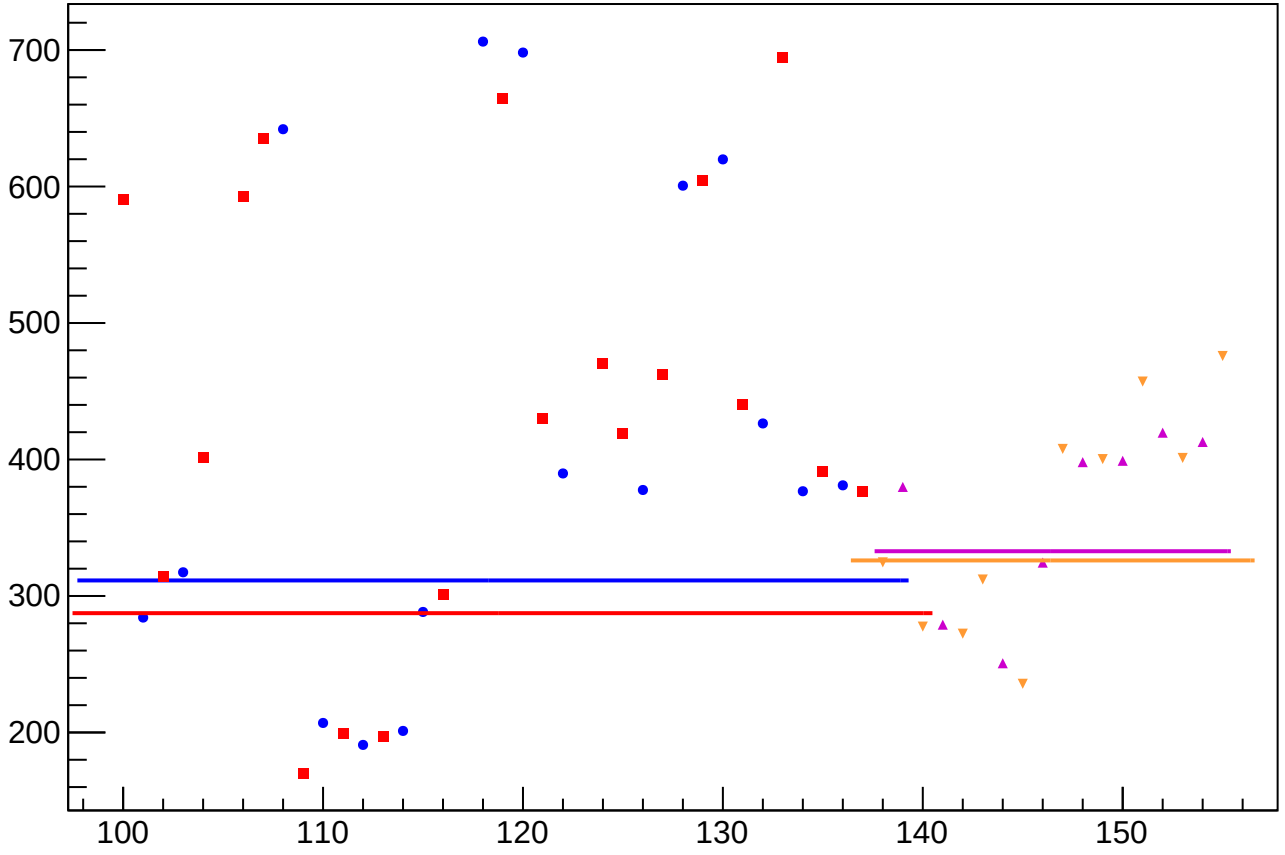
Left In: -3.255+/-128.470 χ^2/NDF:9.2/7

+ sign -304.528+/-86.941 χ^2/NDF: 54.4/25

All: -212.531+/-61.462 χ^2/NDF: 79.9/52

- sign -120.619+/-86.900 χ^2/NDF: 23.3/26

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 326.047+/-0.085 χ^2/NDF:799619.3/9

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

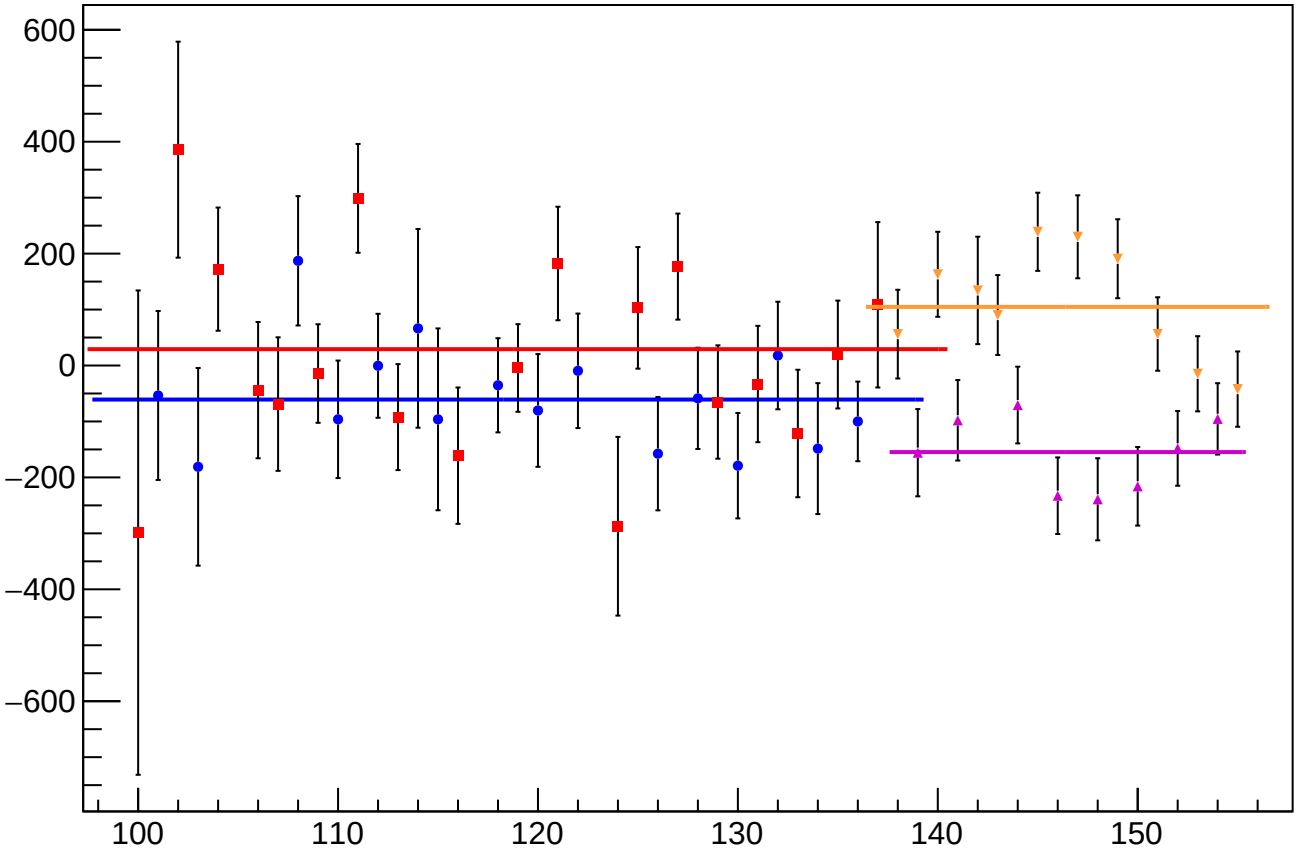
Left In: 332.791+/-0.091 χ^2/NDF:515859.2/7

+ sign 319.057+/-0.061 χ^2/NDF: 2937601.8/25

All: 313.614+/-0.043 χ^2/NDF: 6294746.4/52

- sign 308.176+/-0.061 χ^2/NDF: 3341473.7/26

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.815+/-22.949 χ^2/NDF:17.6/9

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

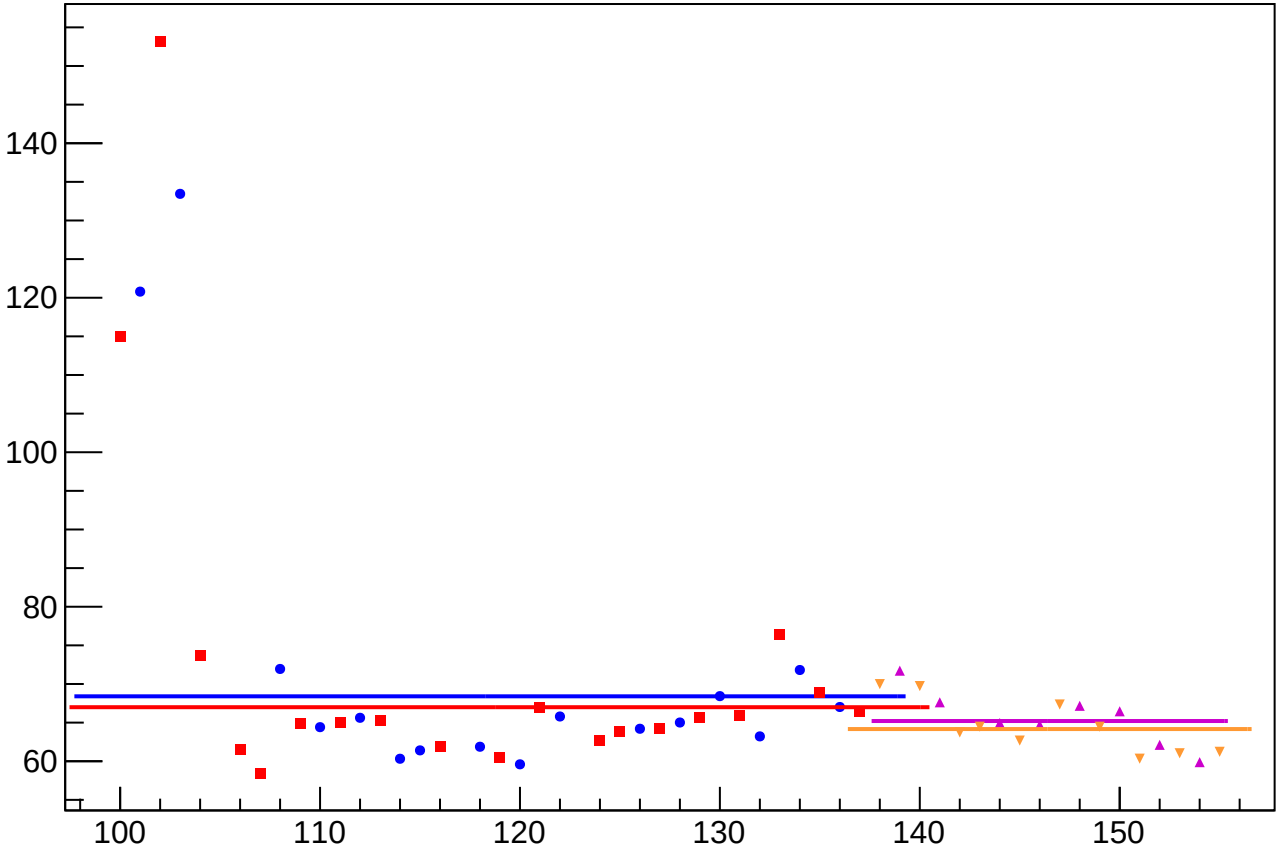
Left In: -154.712+/-24.672 χ^2/NDF:6.4/7

+ sign 32.439+/-17.221 χ^2/NDF: 51.0/25

All: -14.940+/-12.312 χ^2/NDF: 131.4/52

- sign -64.484+/-17.610 χ^2/NDF: 64.9/26

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.167+/-0.016 χ^2/NDF:41192.4/9

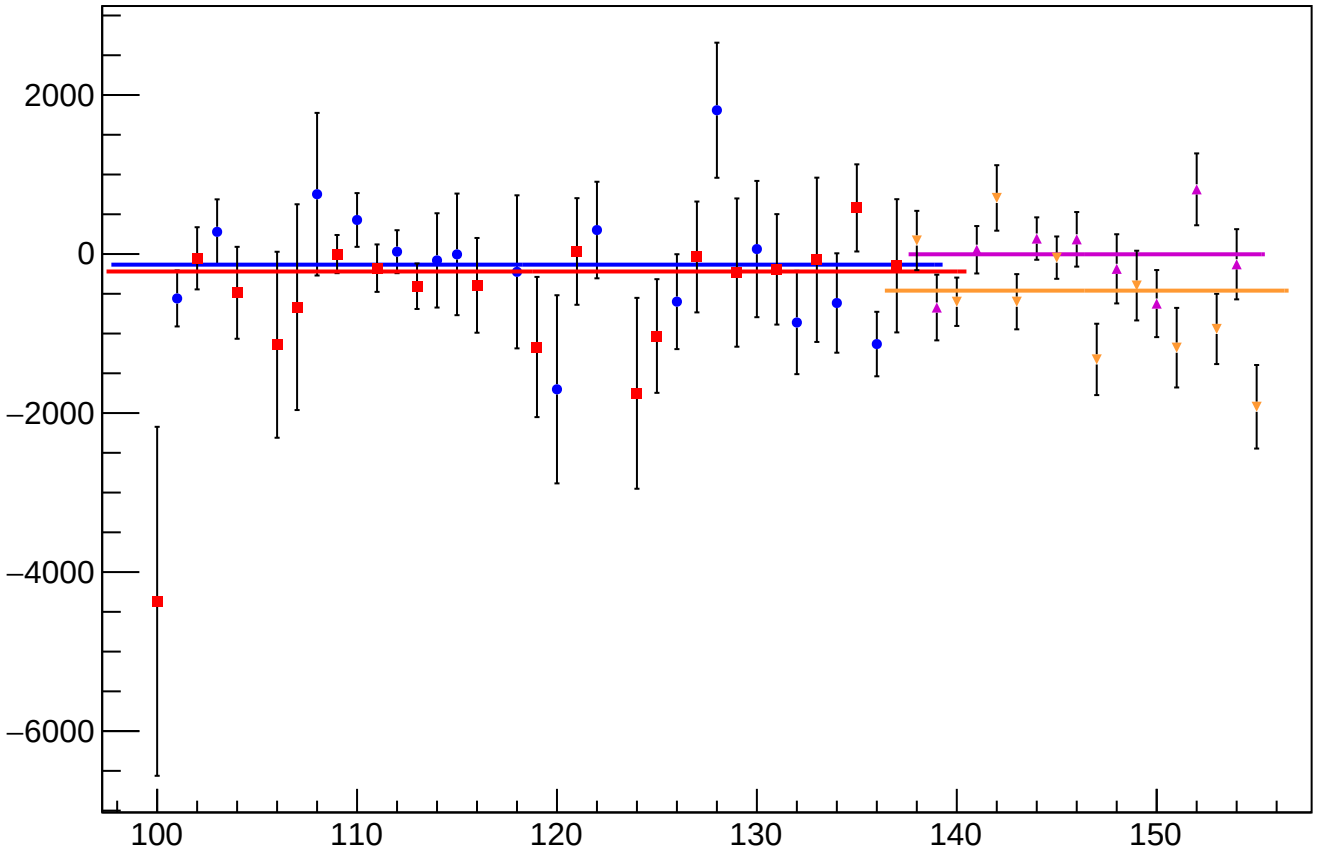
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.206+/-0.017 χ^2/NDF:36674.1/7

+ sign 66.018+/-0.012 χ^2/NDF: 640530.9/25

All: 66.050+/-0.009 χ^2/NDF: 1166864.1/52

- sign 66.083+/-0.012 χ^2/NDF: 526318.9/26



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -460.330+/-120.200 χ^2/NDF:28.4/9

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

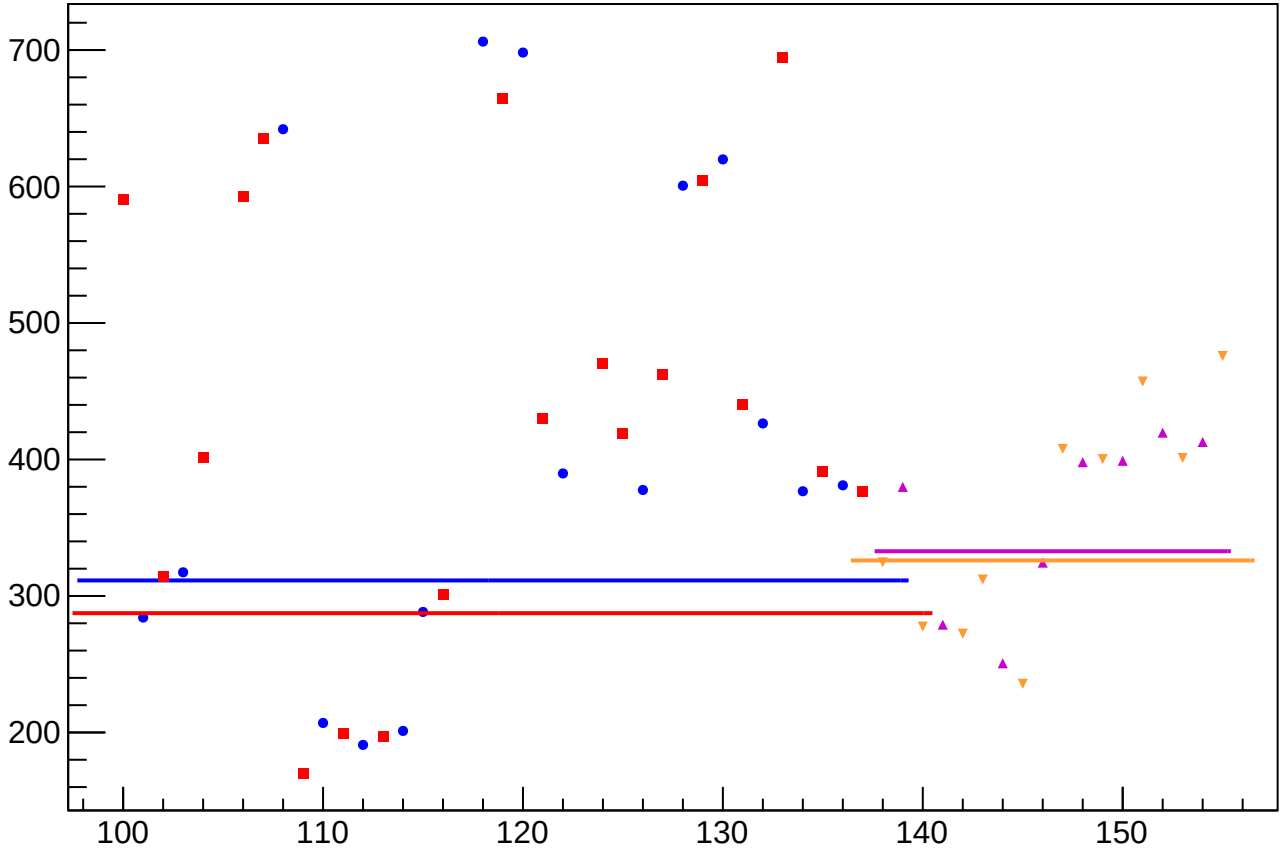
Left In: -3.255+/-128.470 χ^2/NDF:9.2/7

+ sign -304.528+/-86.941 χ^2/NDF: 54.4/25

All: -212.531+/-61.462 χ^2/NDF: 79.9/52

- sign -120.619+/-86.900 χ^2/NDF: 23.3/26

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 326.047+/-0.085 χ^2/NDF:799619.3/9

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

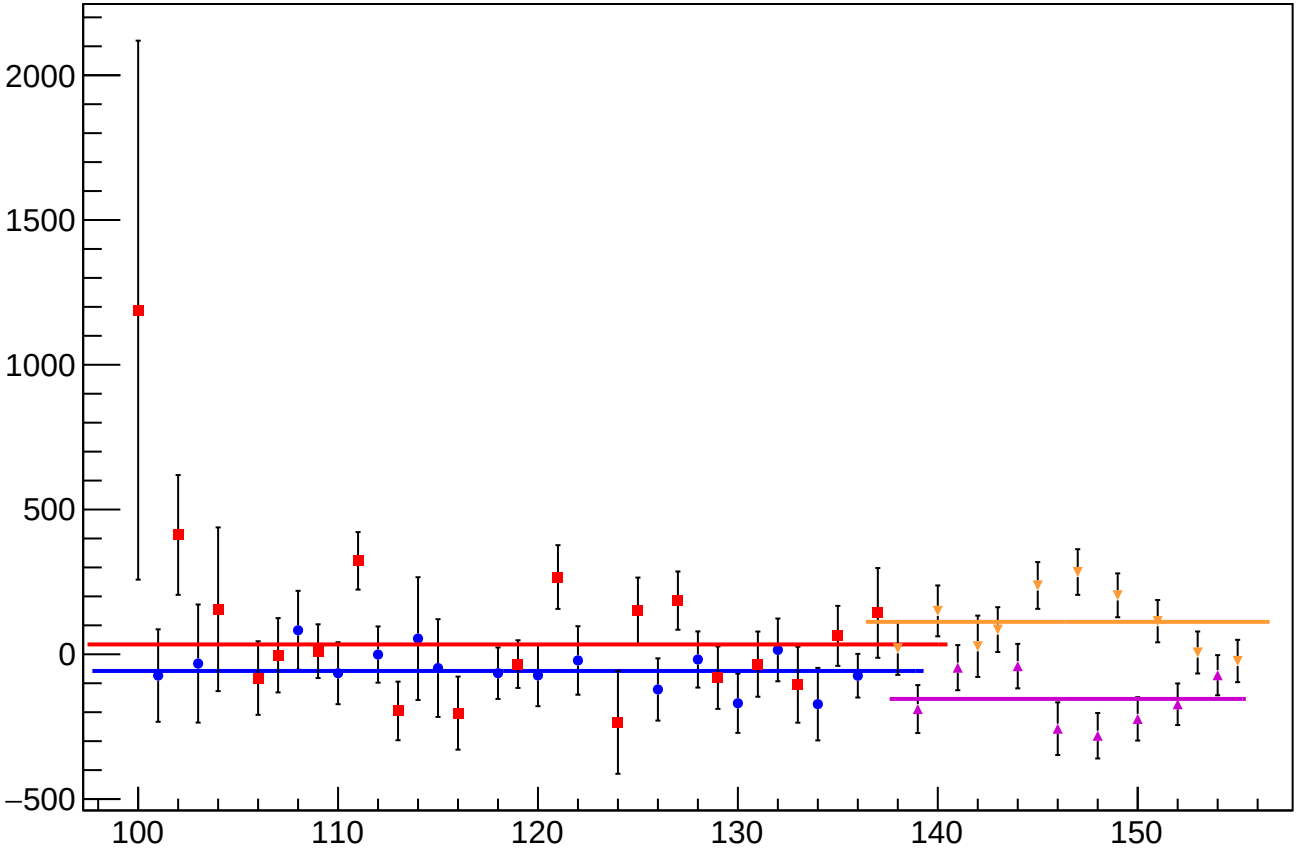
Left In: 332.791+/-0.091 χ^2/NDF:515859.2/7

+ sign 319.057+/-0.061 χ^2/NDF: 2937601.8/25

All: 313.614+/-0.043 χ^2/NDF: 6294746.4/52

- sign 308.176+/-0.061 χ^2/NDF: 3341473.7/26

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 112.076+/-25.336 χ^2/NDF:16.1/9

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

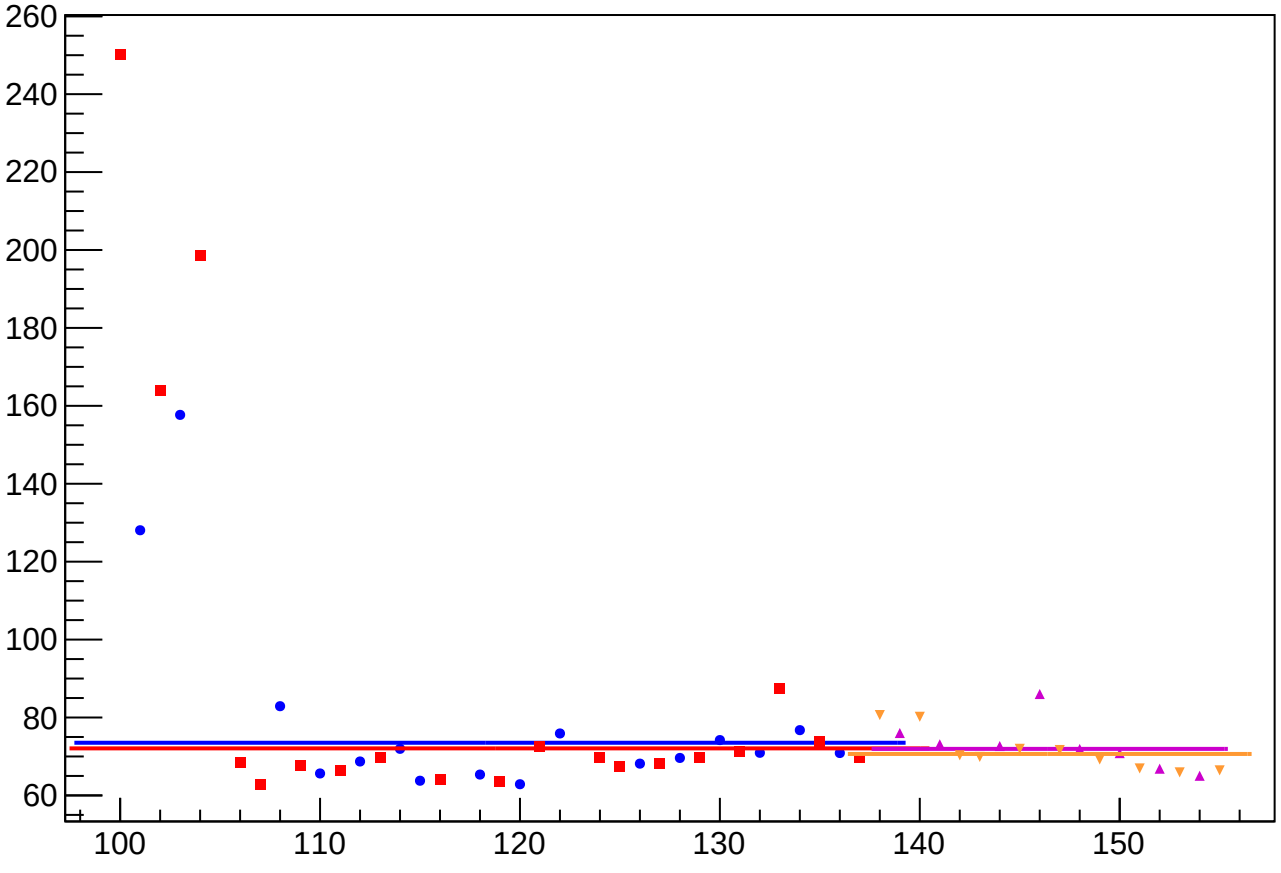
Left In: -154.111+/-27.282 χ^2/NDF:10.5/7

+ sign 35.981+/-18.813 χ^2/NDF: 41.1/25

All: -10.916+/-13.483 χ^2/NDF: 125.2/52

- sign -60.438+/-19.332 χ^2/NDF: 71.3/26

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.643+/-0.018 χ^2/NDF:69397.0/9

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

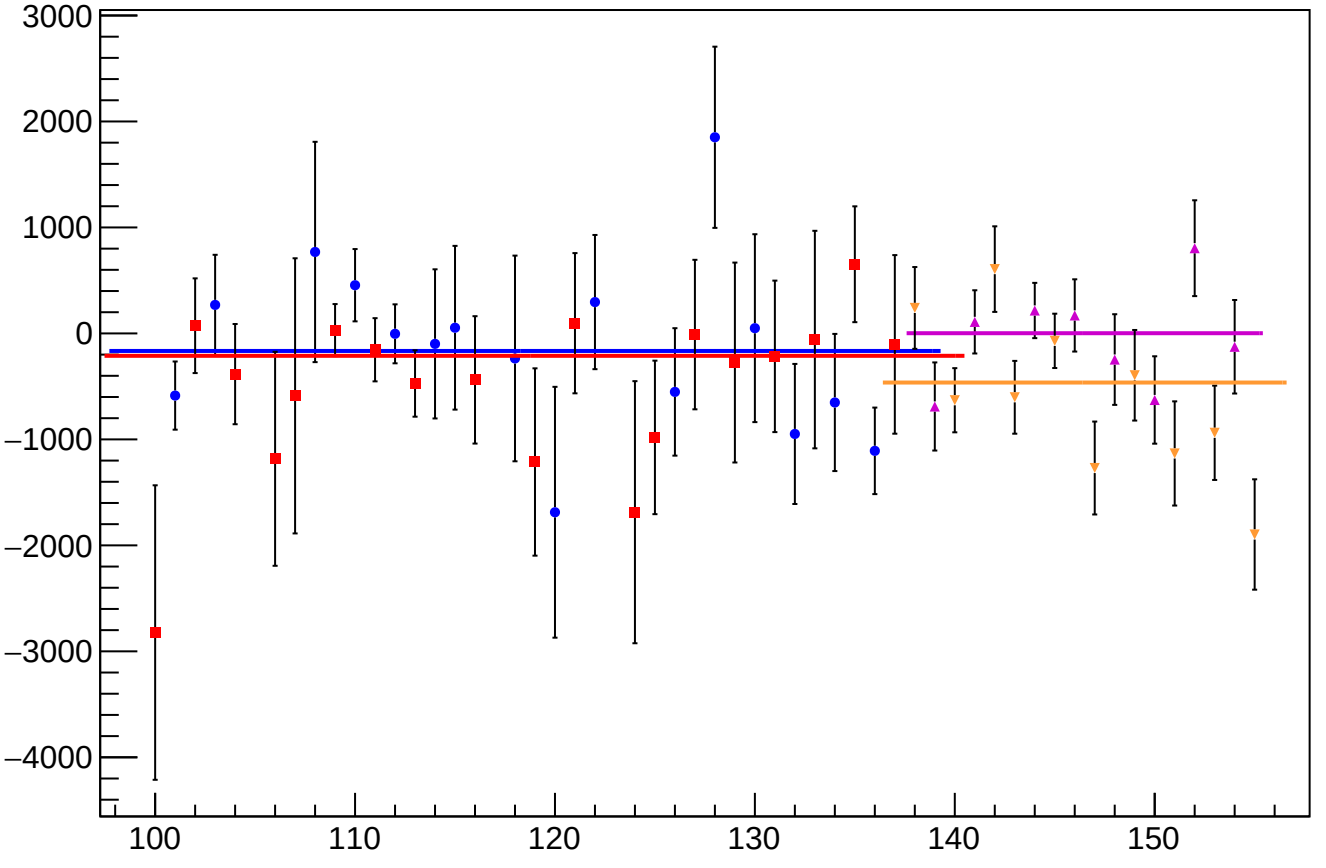
Left In: 71.947+/-0.019 χ^2/NDF:83653.8/7

+ sign 71.933+/-0.013 χ^2/NDF: 737806.4/25

All: 71.971+/-0.010 χ^2/NDF: 1779993.0/52

- sign 72.010+/-0.014 χ^2/NDF: 1042170.2/26

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -463.521+/-118.676 χ^2/NDF:27.2/9

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

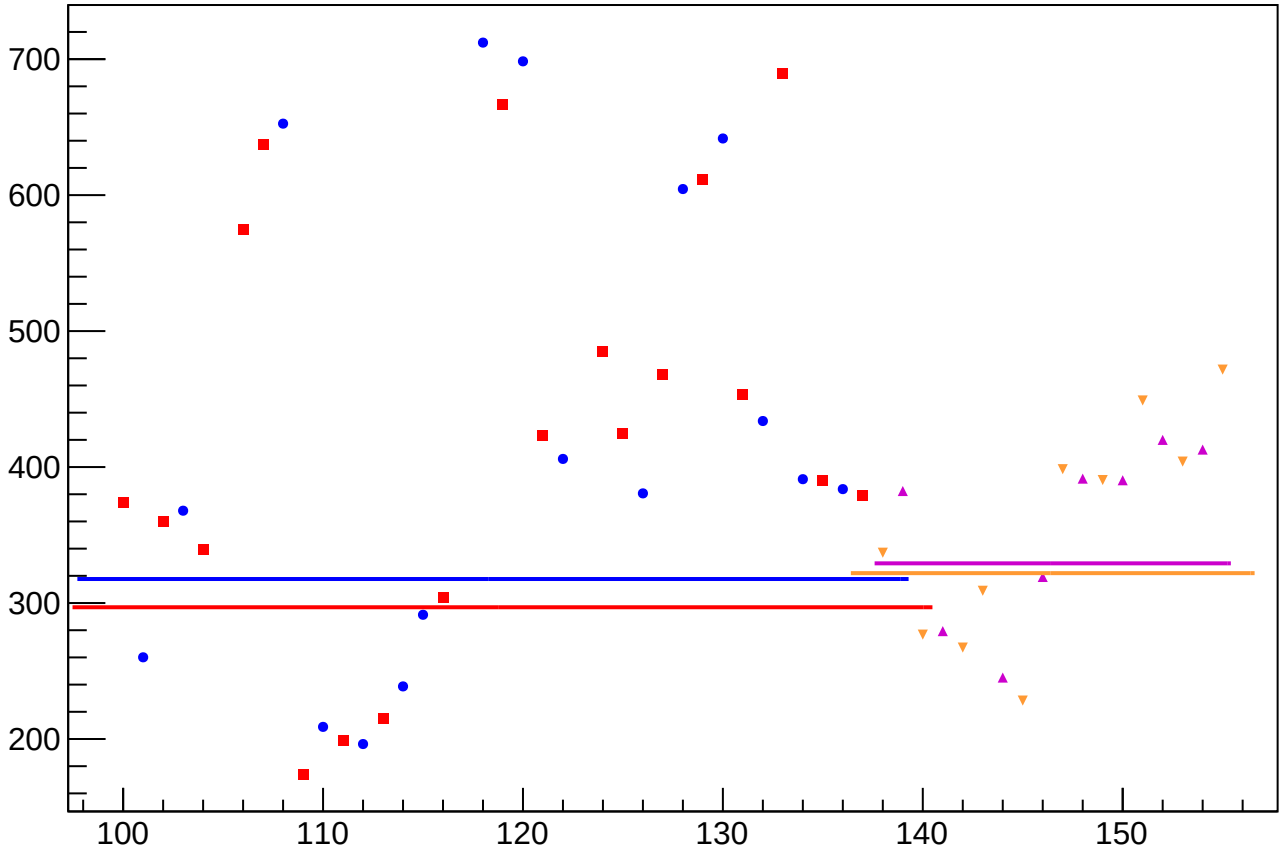
Left In: 1.966+/-127.287 χ^2/NDF:9.7/7

+ sign -326.265+/-87.163 χ^2/NDF: 52.7/25

All: -218.810+/-61.704 χ^2/NDF: 80.5/52

- sign -110.864+/-87.362 χ^2/NDF: 24.8/26

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 321.978+/-0.084 χ^2/NDF:833440.9/9

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

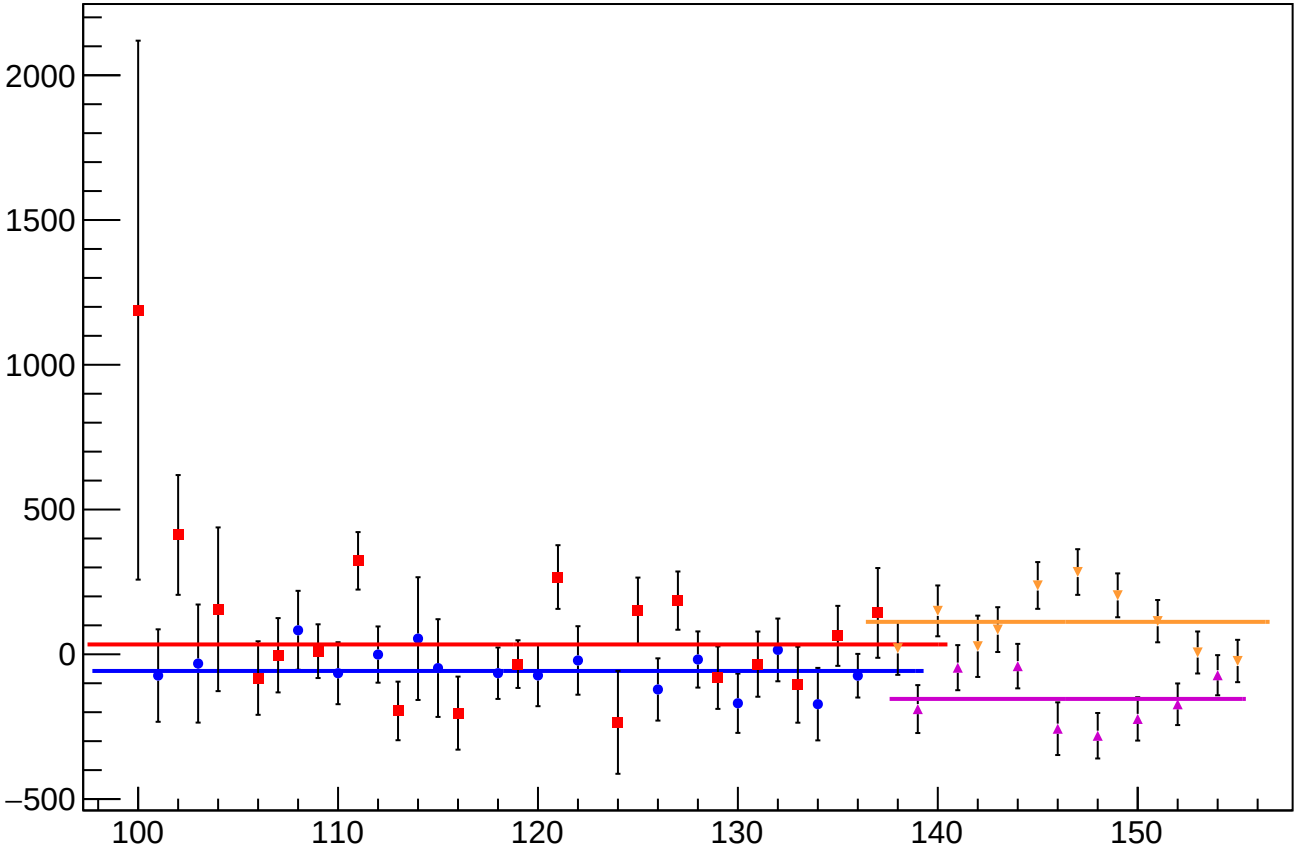
Left In: 329.187+/-0.090 χ^2/NDF:536880.2/7

+ sign 319.991+/-0.062 χ^2/NDF: 2970850.7/25

All: 316.056+/-0.044 χ^2/NDF: 6125058.1/52

- sign 312.103+/-0.062 χ^2/NDF: 3146036.6/26

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 112.075+/-25.336 χ^2/NDF:16.1/9

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

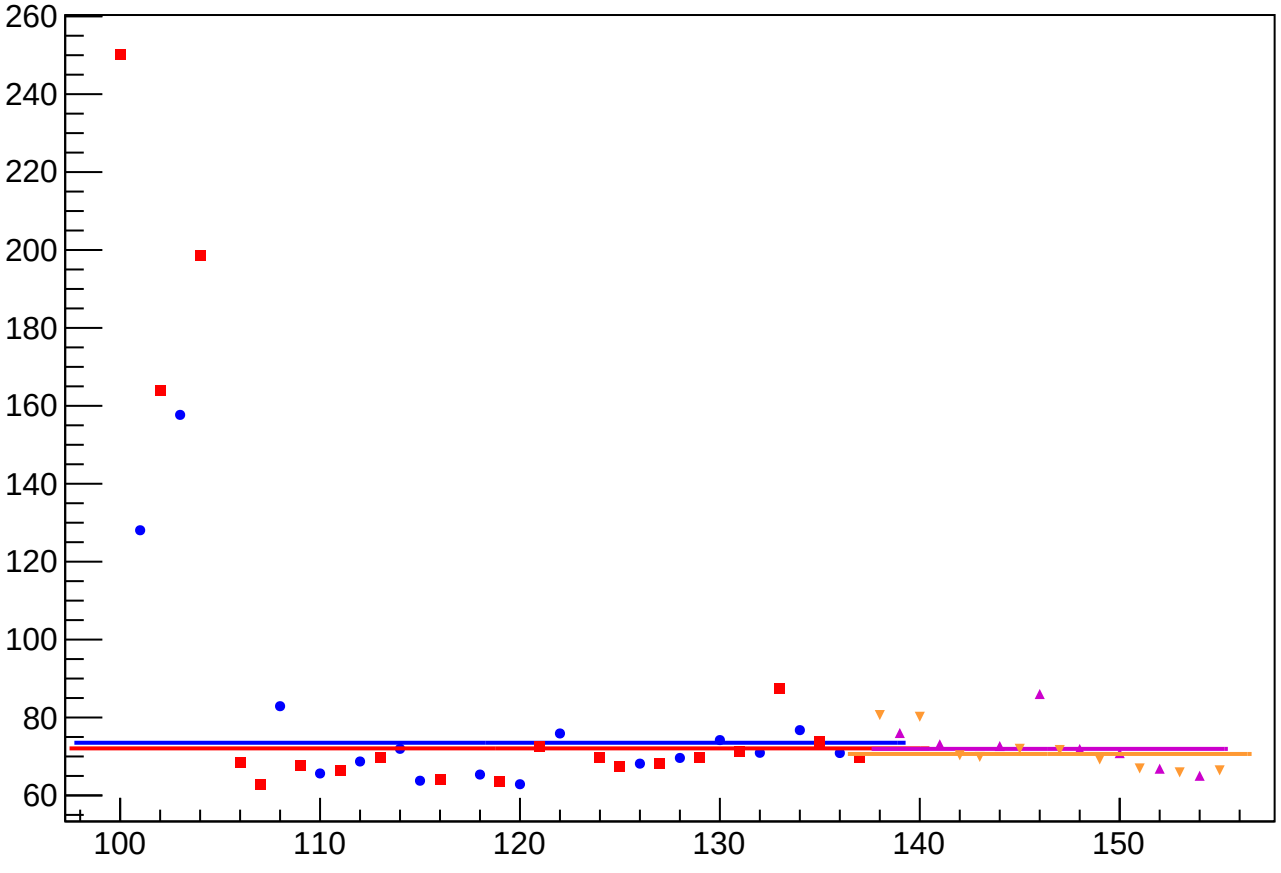
Left In: -154.112+/-27.282 χ^2/NDF:10.5/7

+ sign 35.980+/-18.813 χ^2/NDF: 41.1/25

All: -10.916+/-13.483 χ^2/NDF: 125.2/52

- sign -60.437+/-19.332 χ^2/NDF: 71.3/26

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.643+/-0.018 χ^2/NDF:69396.6/9

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

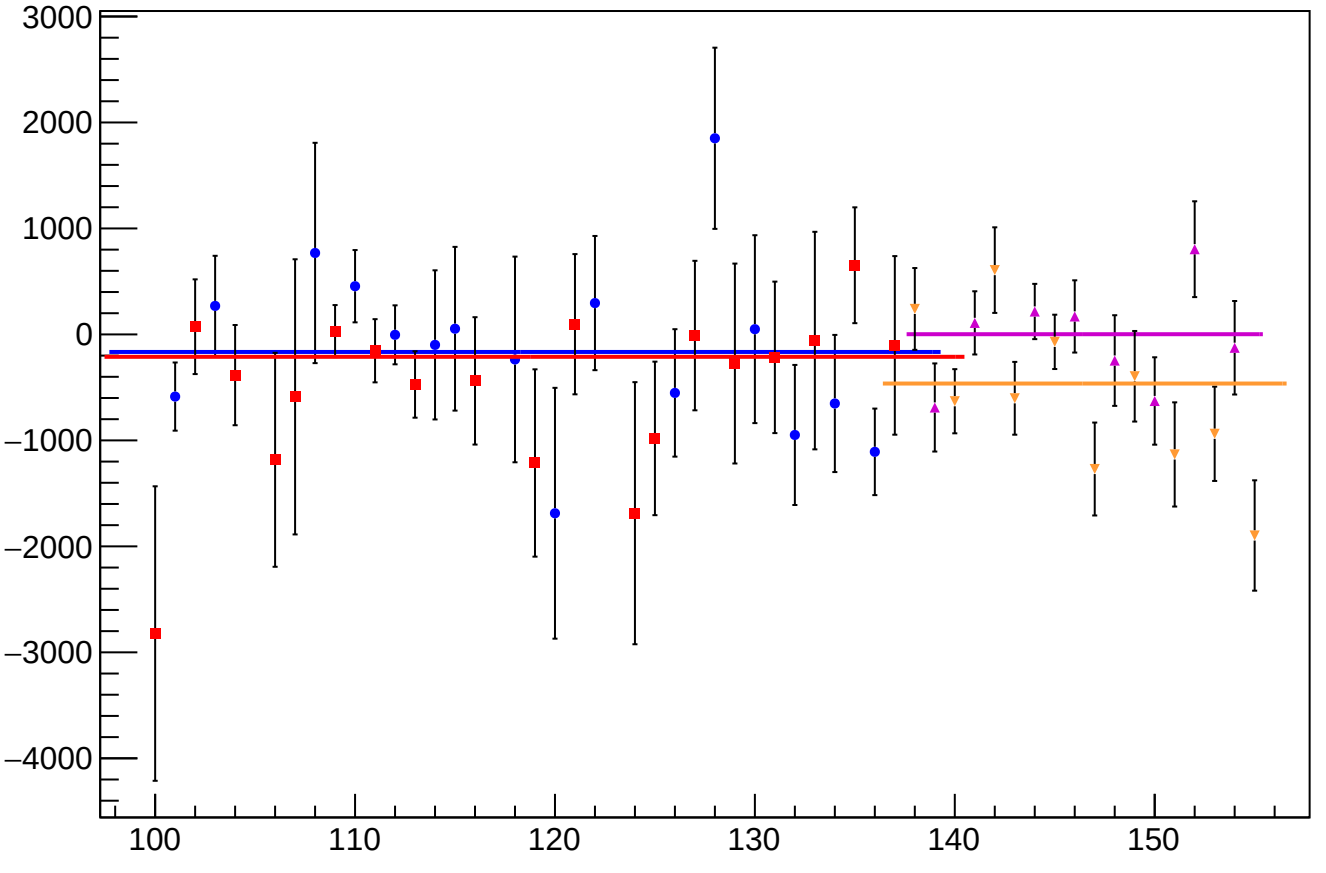
Left In: 71.947+/-0.019 χ^2/NDF:83654.0/7

+ sign 71.933+/-0.013 χ^2/NDF: 737806.4/25

All: 71.971+/-0.010 χ^2/NDF: 1779994.5/52

- sign 72.010+/-0.014 χ^2/NDF: 1042171.7/26

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -463.522+/-118.676 χ^2/NDF:27.2/9

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

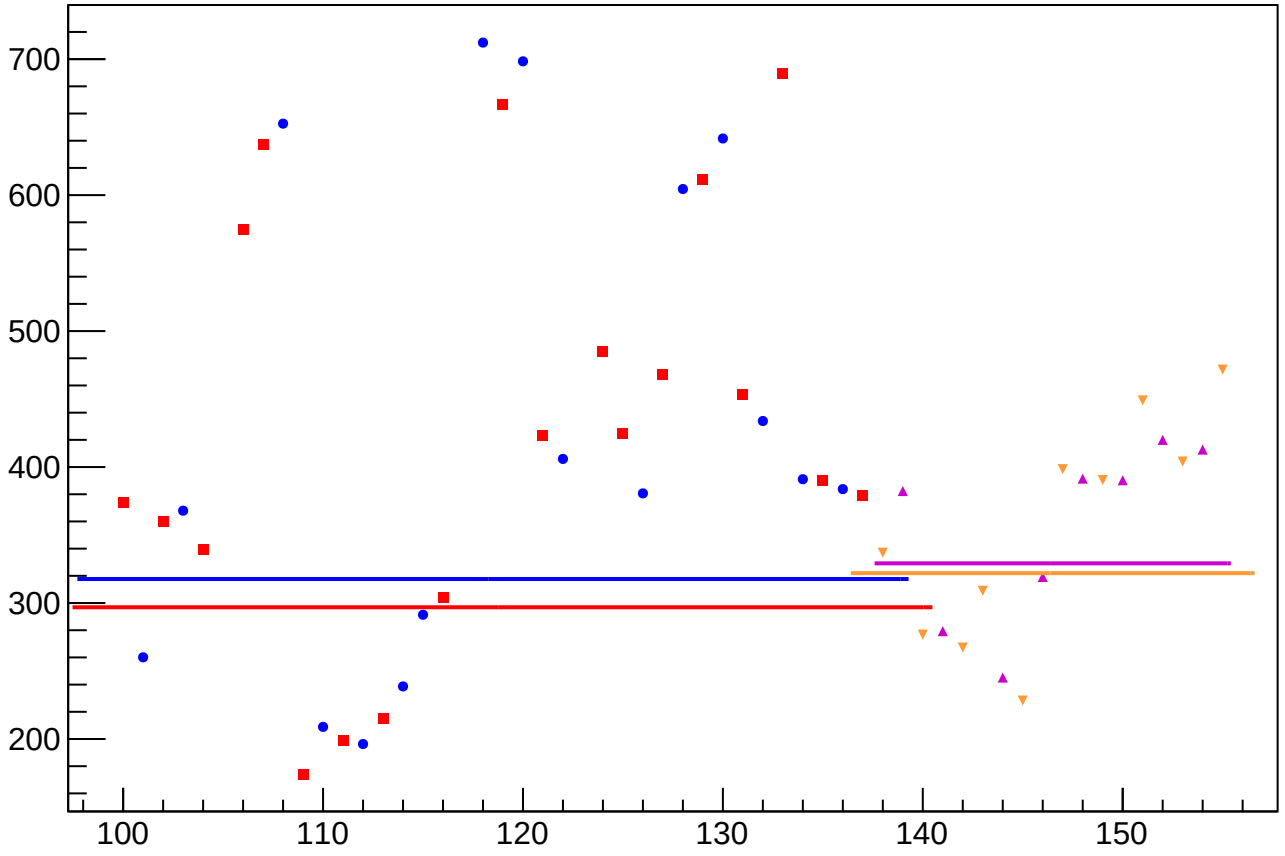
Left In: 1.966+/-127.287 χ^2/NDF:9.7/7

+ sign -326.263+/-87.163 χ^2/NDF: 52.7/25

All: -218.809+/-61.704 χ^2/NDF: 80.5/52

- sign -110.864+/-87.362 χ^2/NDF: 24.8/26

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 321.977+/-0.084 χ^2/NDF:833450.9/9

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

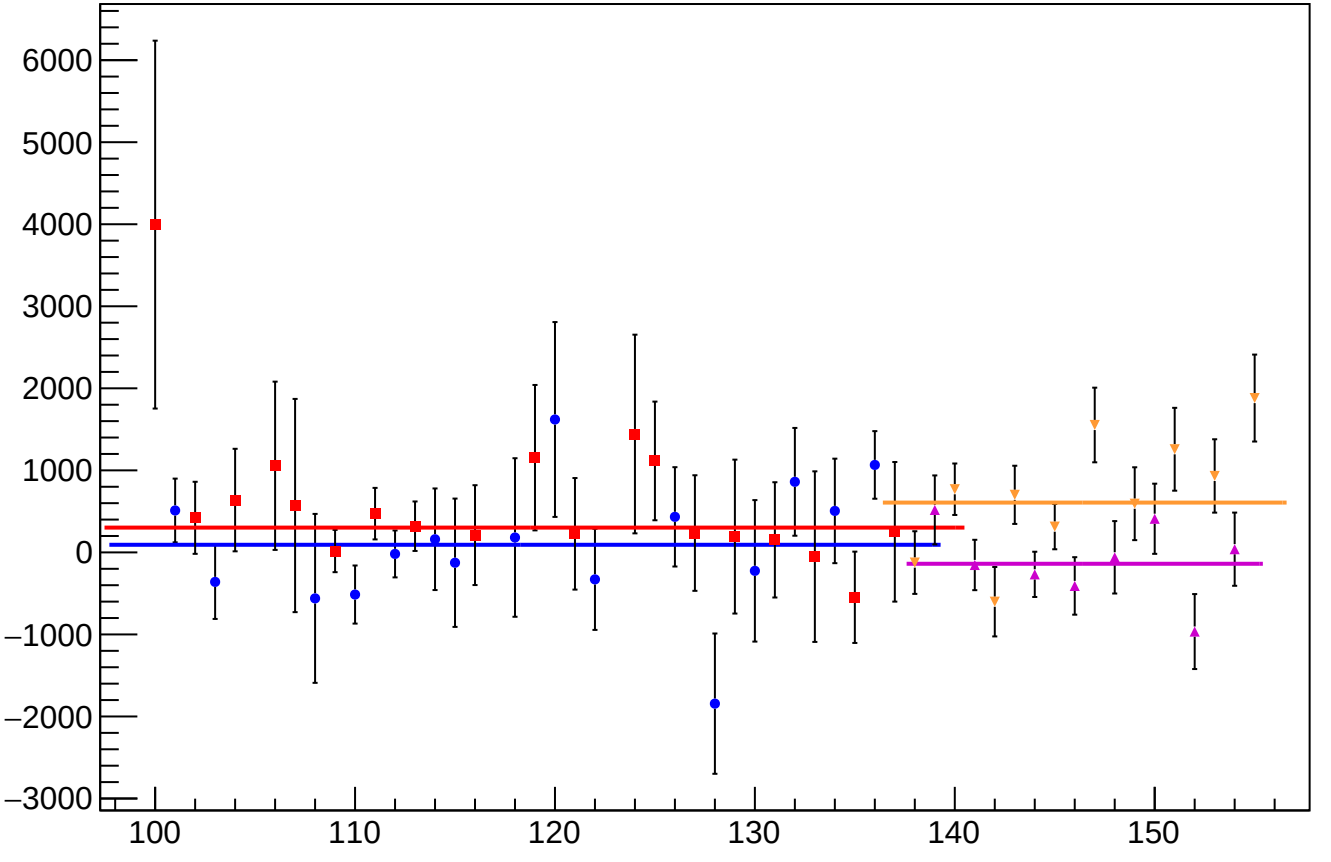
Left In: 329.187+/-0.090 χ^2/NDF:536886.2/7

+ sign 319.989+/-0.062 χ^2/NDF: 2970893.4/25

All: 316.055+/-0.044 χ^2/NDF: 6125122.8/52

- sign 312.102+/-0.062 χ^2/NDF: 3146059.5/26

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 607.177+/-123.009 χ^2/NDF:25.6/9

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

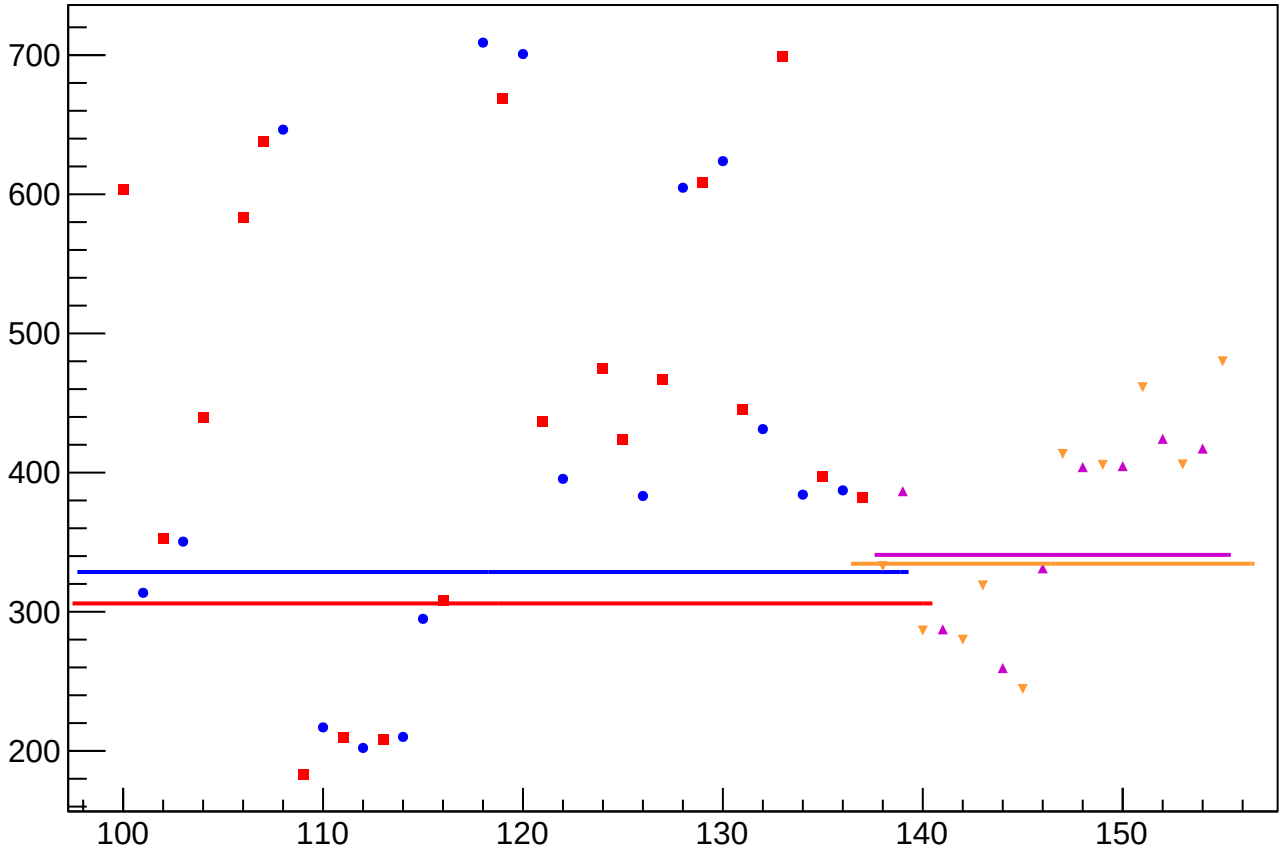
Left In: -138.657+/-131.334 χ^2/NDF:8.4/7

+ sign 367.963+/-89.968 χ^2/NDF: 54.5/25

All: 231.533+/-63.674 χ^2/NDF: 84.3/52

- sign 94.611+/-90.131 χ^2/NDF: 25.1/26

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 334.525+/-0.087 χ^2/NDF:735922.1/9

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

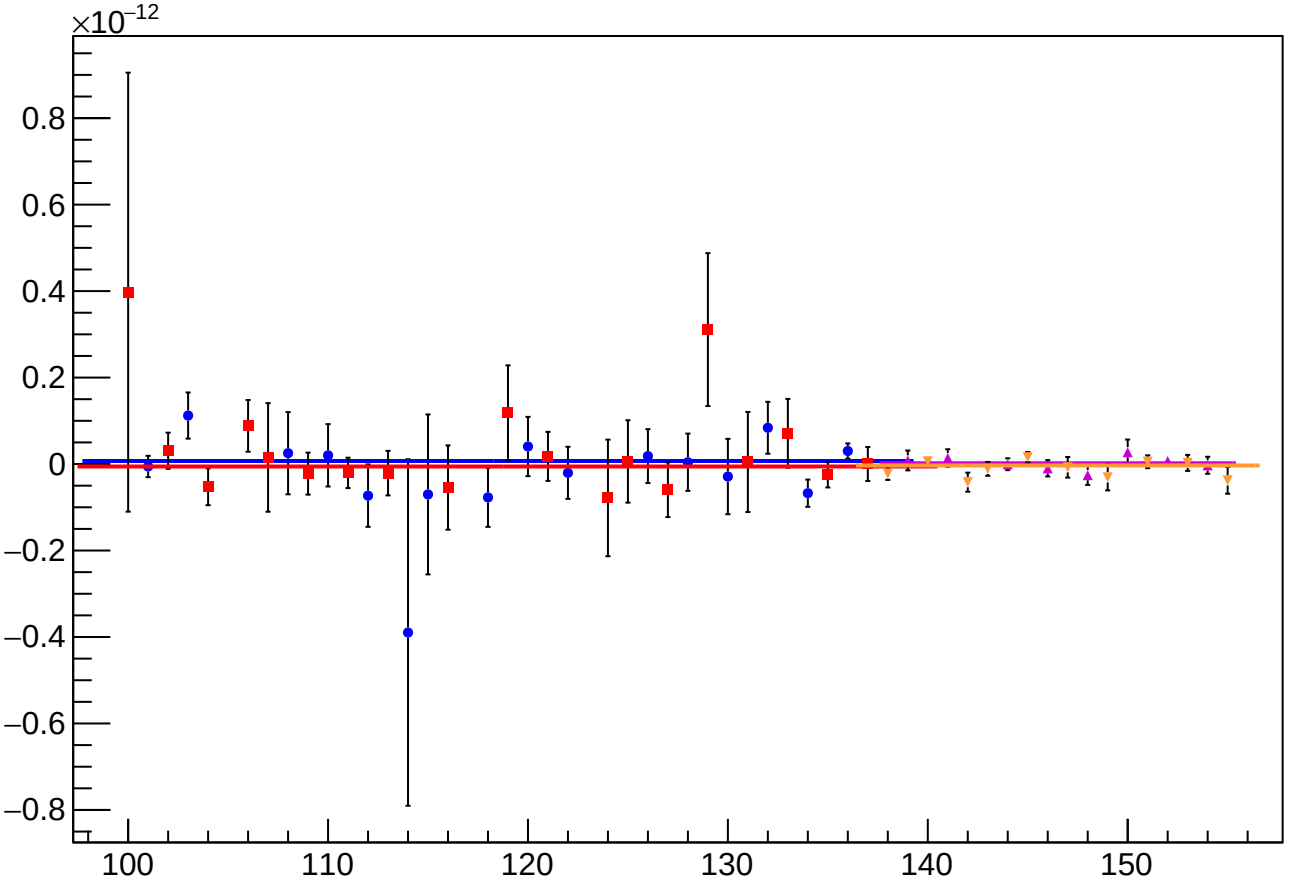
Left In: 340.874+/-0.093 χ^2/NDF:470588.8/7

+ sign 331.754+/-0.064 χ^2/NDF: 2696978.0/25

All: 327.095+/-0.045 χ^2/NDF: 5780433.7/52

- sign 322.418+/-0.064 χ^2/NDF: 3072707.2/26

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/9

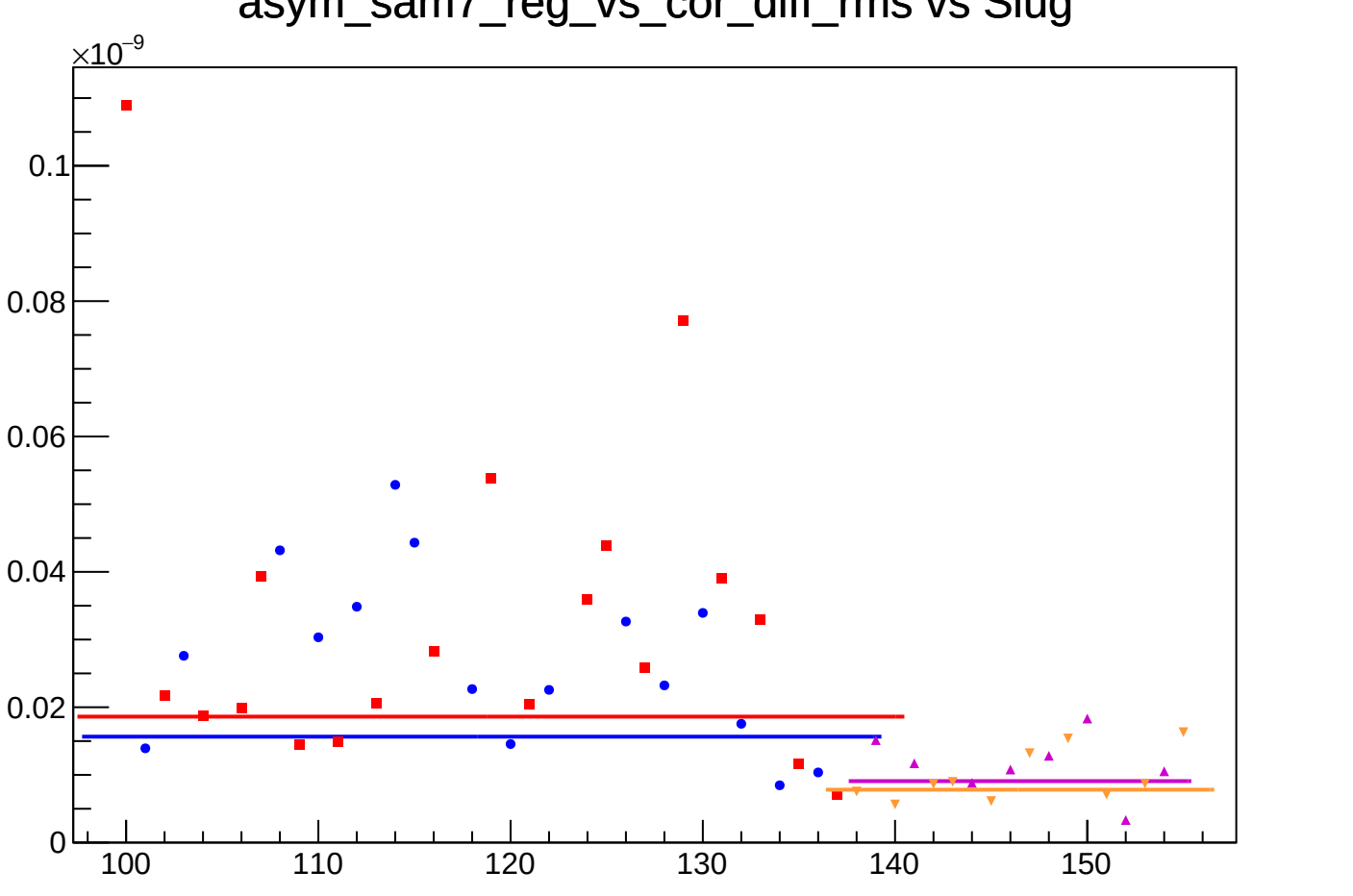
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 29.4/25

All: -0.000+/-0.000 χ^2/NDF: 45.8/52

- sign 0.000+/-0.000 χ^2/NDF: 16.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:527995.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

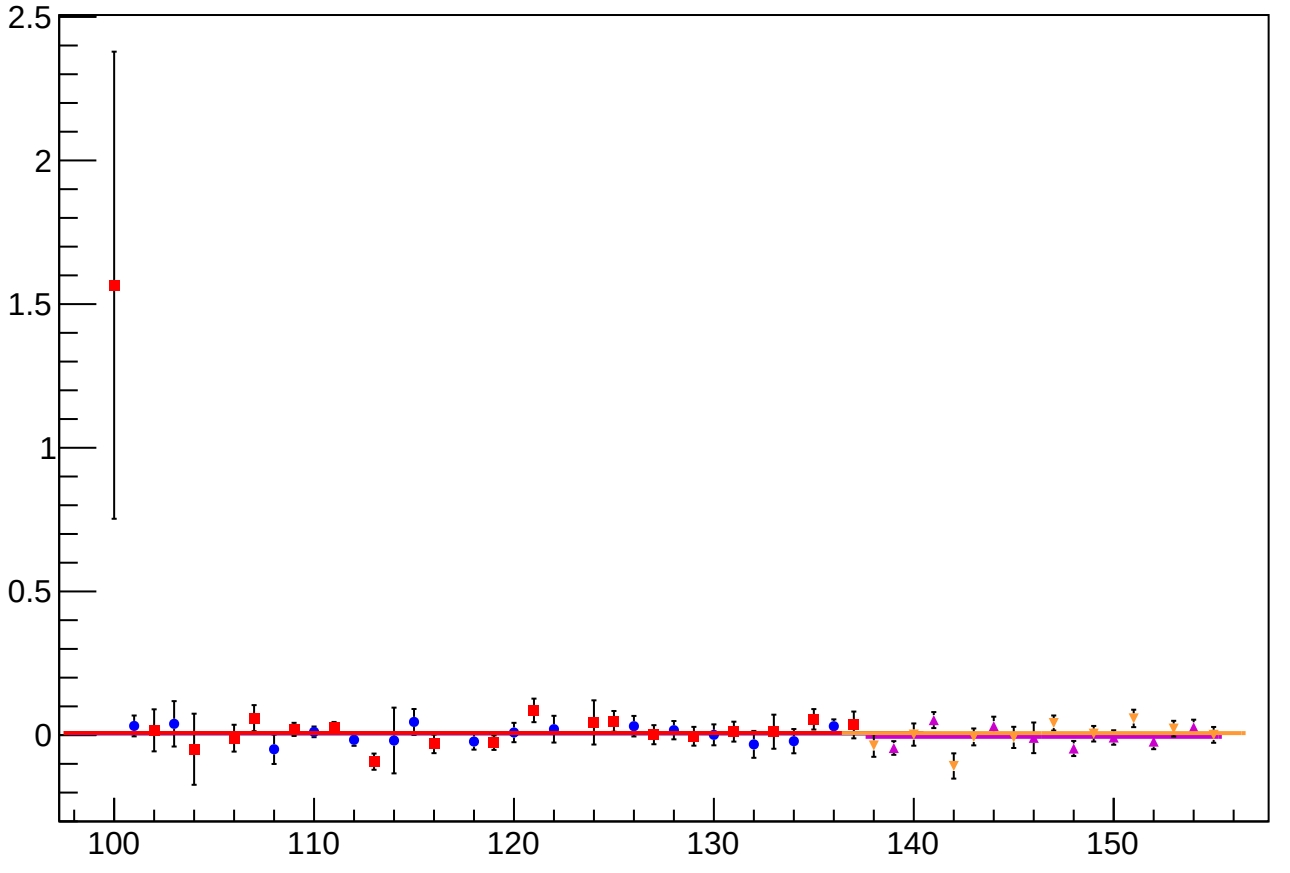
Left In: 0.000+/-0.000 χ^2/NDF:951726.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 2532236.2/25

All: 0.000+/-0.000 χ^2/NDF: 5710045.1/52

- sign 0.000+/-0.000 χ^2/NDF: 3071904.6/26

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.010 χ^2/NDF:13.4/9

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

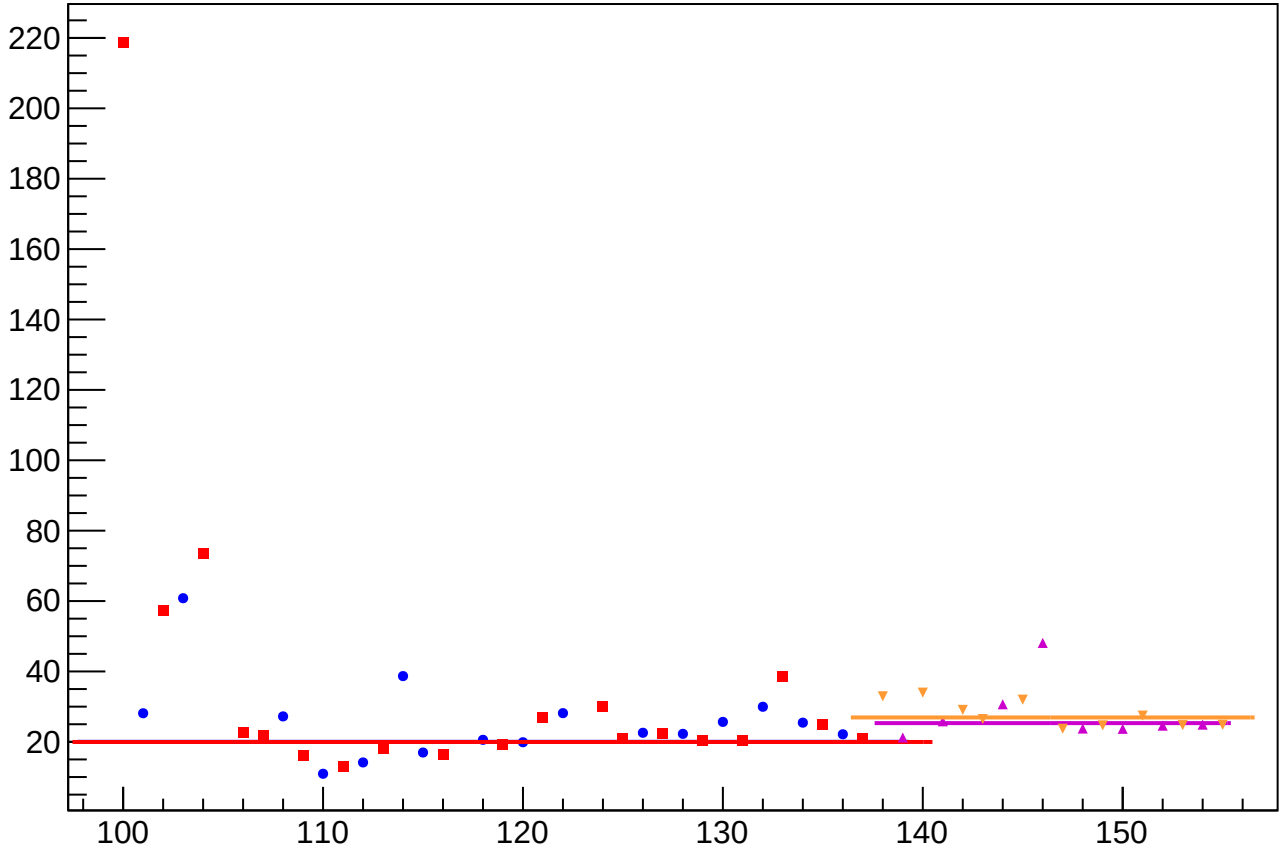
Left In: -0.006+/-0.010 χ^2/NDF:12.6/7

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/25

All: 0.004+/-0.004 χ^2/NDF: 65.0/52

- sign 0.002+/-0.006 χ^2/NDF: 43.5/26

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.928+/-0.007 χ^2/NDF:224053.4/9

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

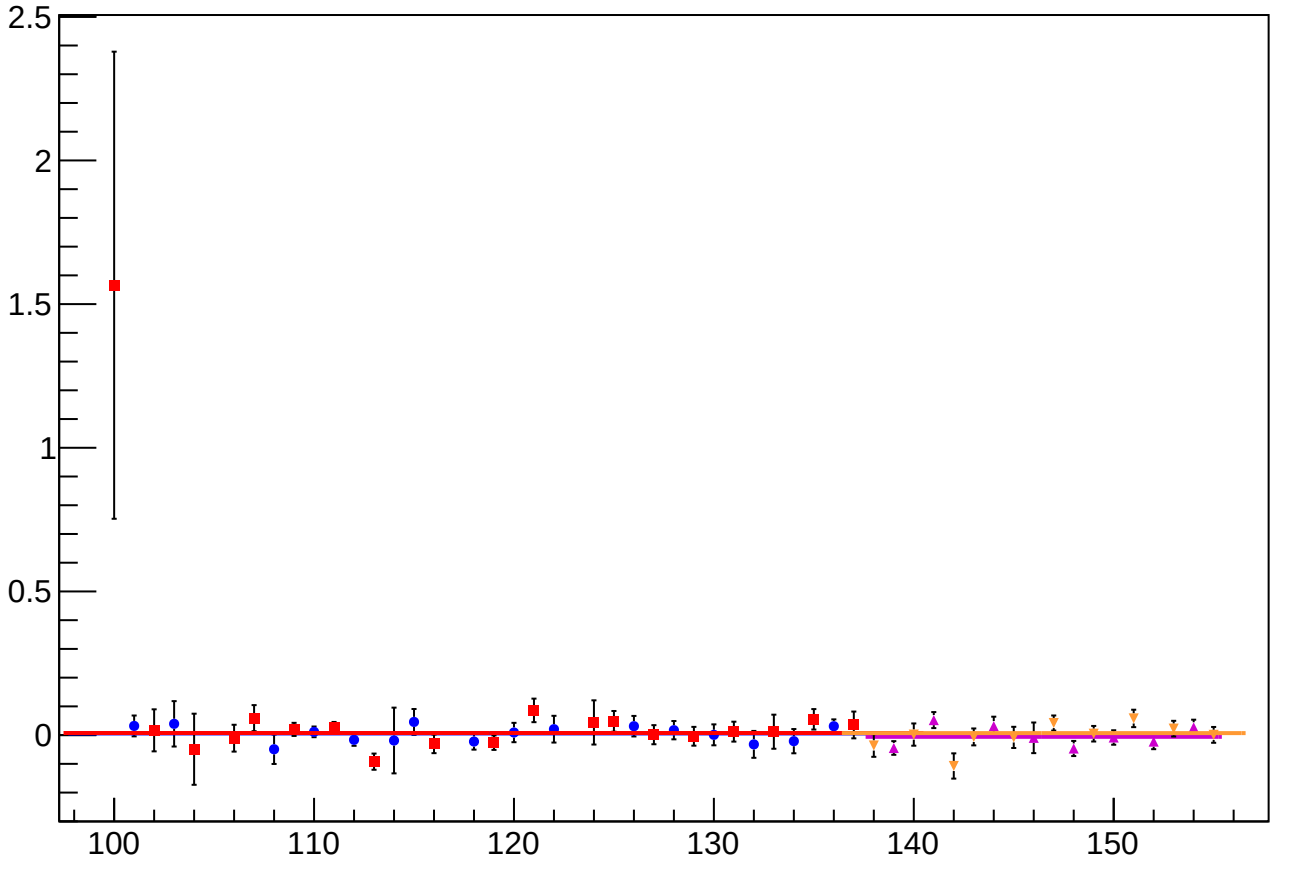
Left In: 25.320+/-0.007 χ^2/NDF:495795.4/7

+ sign 22.819+/-0.004 χ^2/NDF: 2450920.6/25

All: 22.462+/-0.003 χ^2/NDF: 5027222.5/52

- sign 22.108+/-0.004 χ^2/NDF: 2563468.6/26

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.010 χ^2/NDF:13.4/9

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

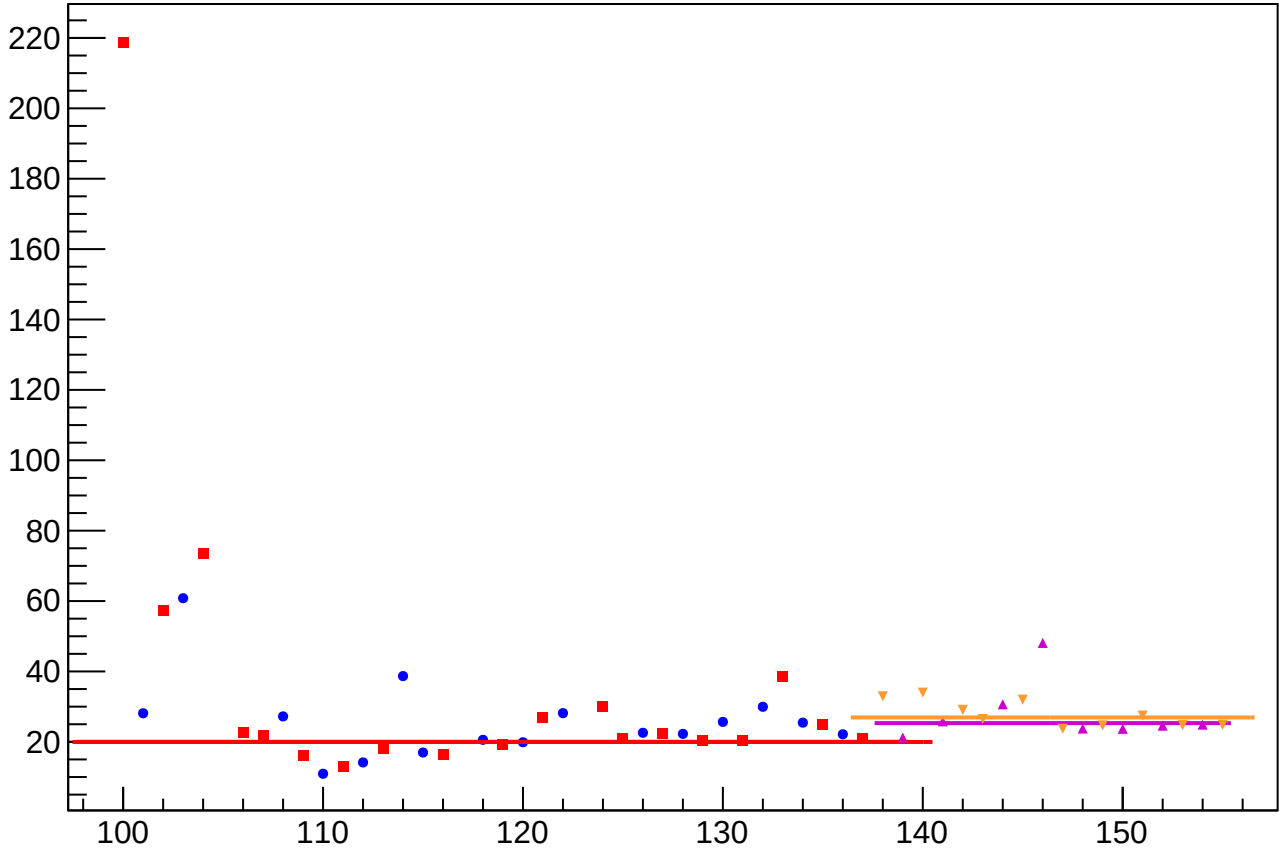
Left In: -0.006+/-0.010 χ^2/NDF:12.6/7

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/25

All: 0.004+/-0.004 χ^2/NDF: 65.0/52

- sign 0.002+/-0.006 χ^2/NDF: 43.5/26

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.928+/-0.007 χ^2/NDF:224053.4/9

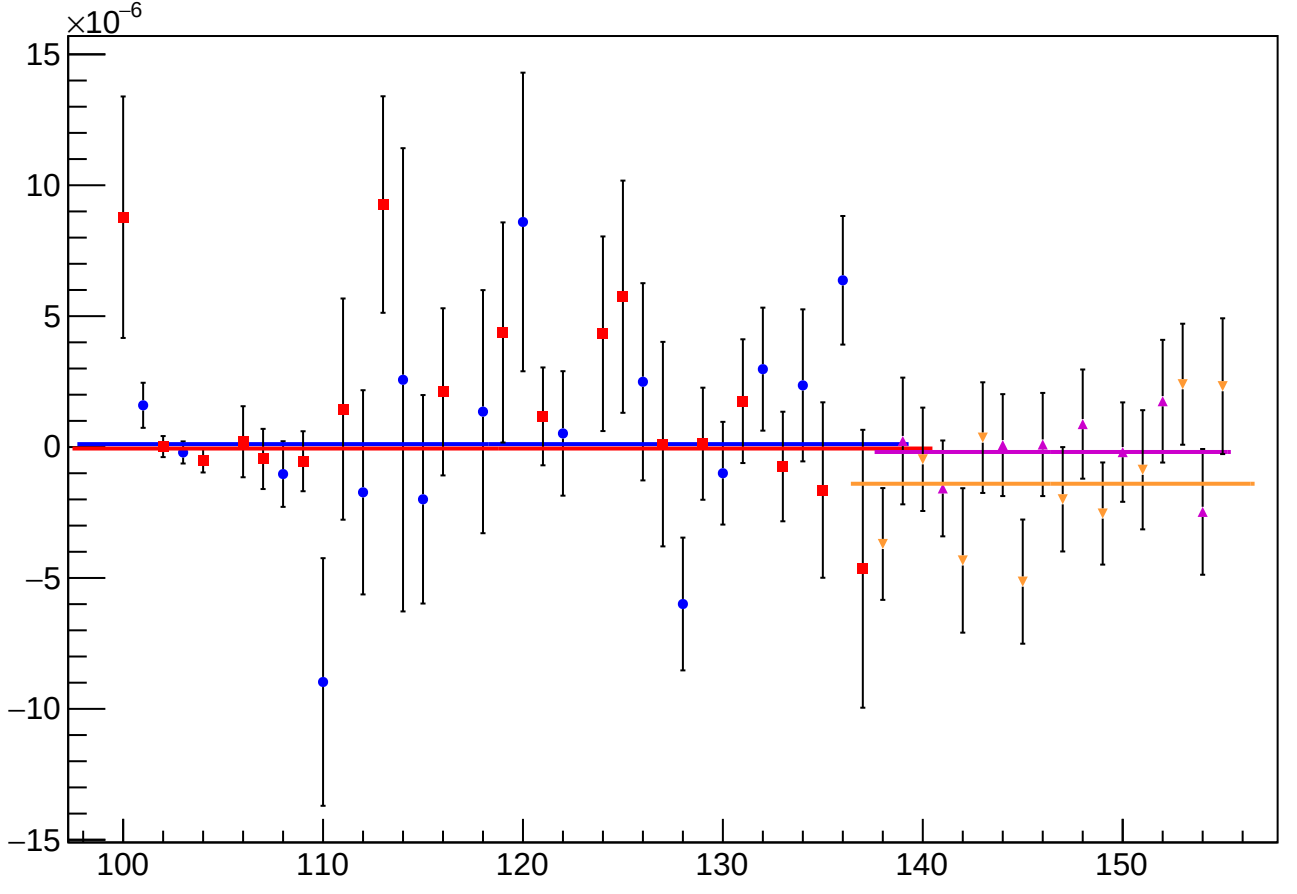
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.320+/-0.007 χ^2/NDF:495795.4/7

+ sign 22.819+/-0.004 χ^2/NDF: 2450920.6/25

All: 22.462+/-0.003 χ^2/NDF: 5027222.5/52

- sign 22.108+/-0.004 χ^2/NDF: 2563468.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/9

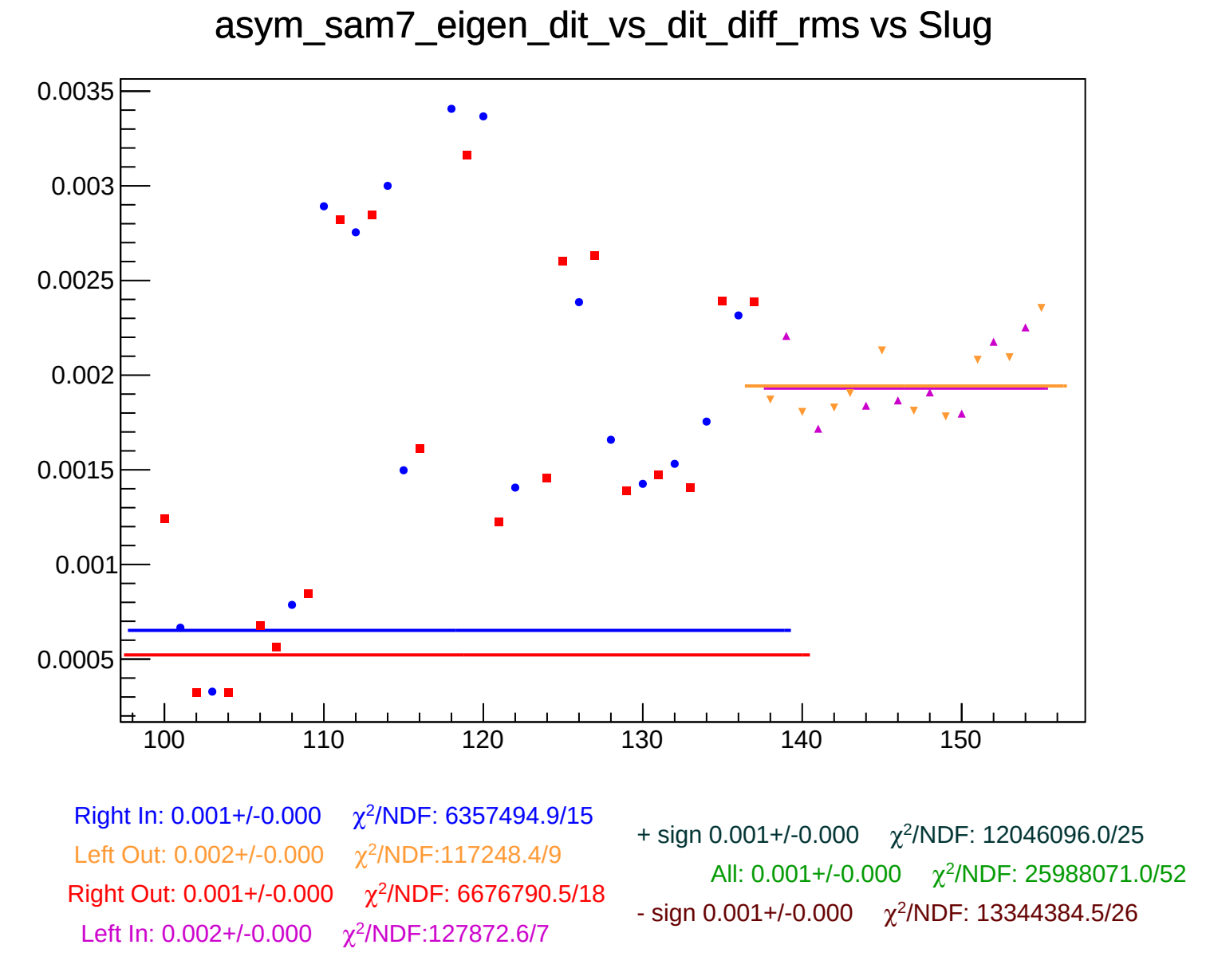
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/7

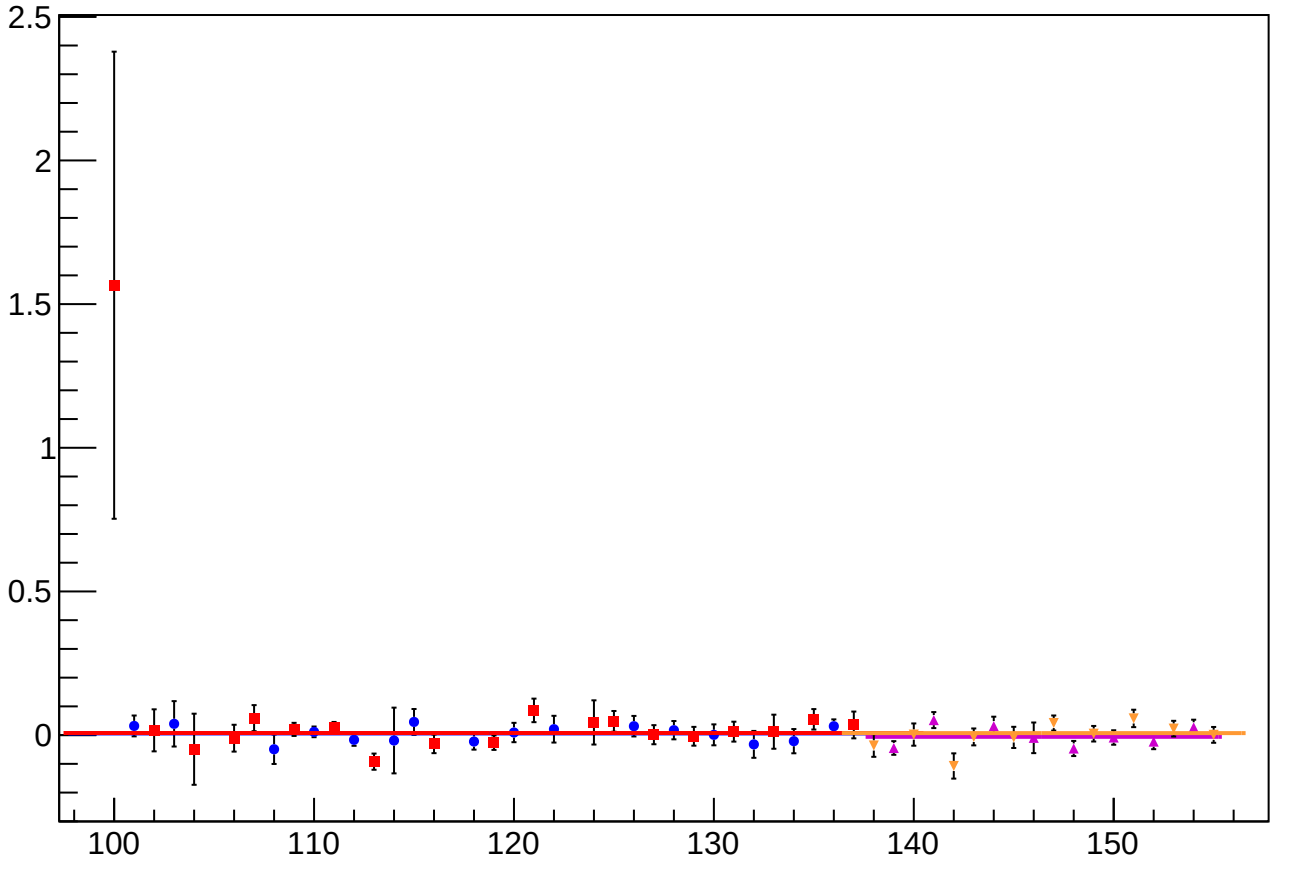
+ sign -0.000+/-0.000 χ^2/NDF: 40.8/25

All: -0.000+/-0.000 χ^2/NDF: 60.5/52

- sign -0.000+/-0.000 χ^2/NDF: 19.6/26


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:117248.4/9
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:127872.6/7
+ sign 0.001+/-0.000 χ²/NDF: 12046096.0/25
All: 0.001+/-0.000 χ²/NDF: 25988071.0/52
- sign 0.001+/-0.000 χ²/NDF: 13344384.5/26

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.010 χ^2/NDF:13.4/9

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

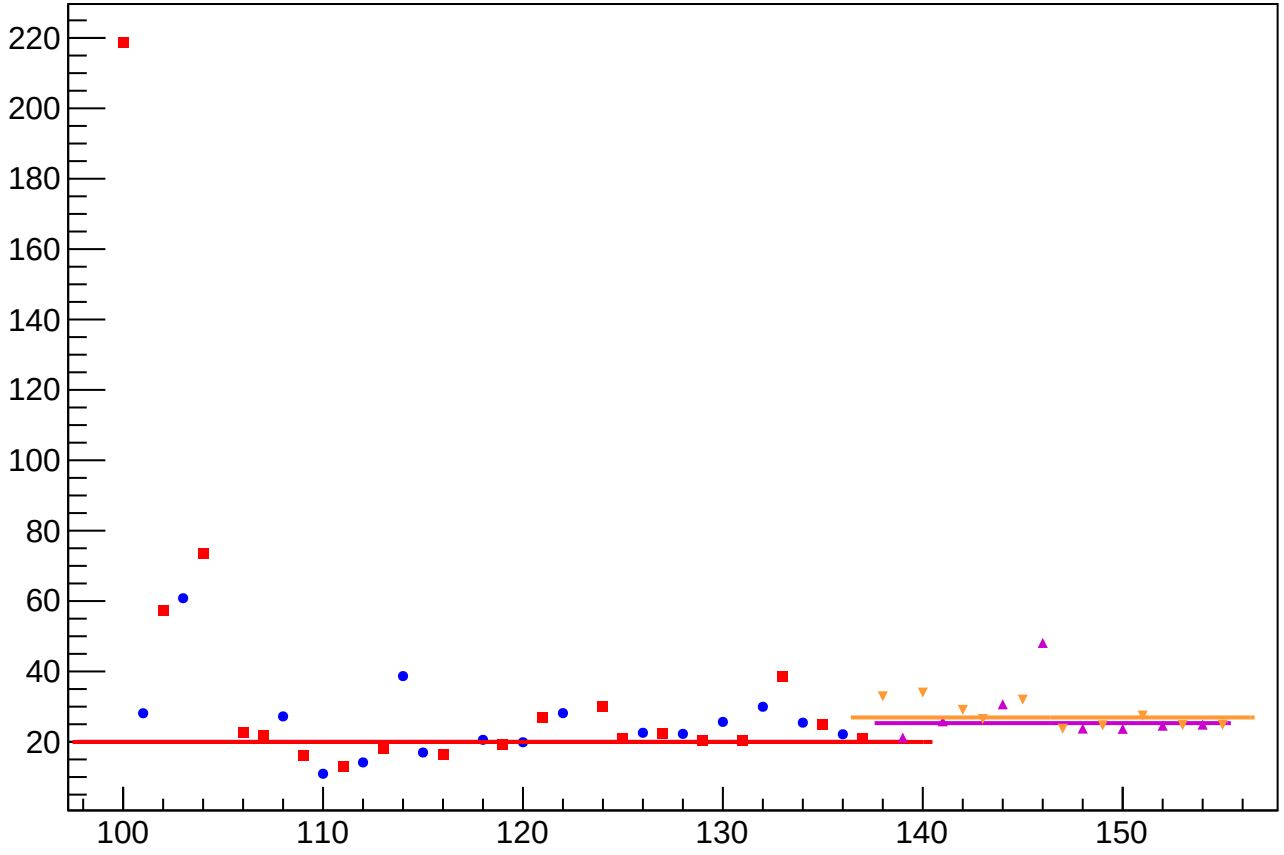
Left In: -0.006+/-0.010 χ^2/NDF:12.6/7

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/25

All: 0.004+/-0.004 χ^2/NDF: 65.0/52

- sign 0.002+/-0.006 χ^2/NDF: 43.5/26

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.928+/-0.007 χ^2/NDF:224067.3/9

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

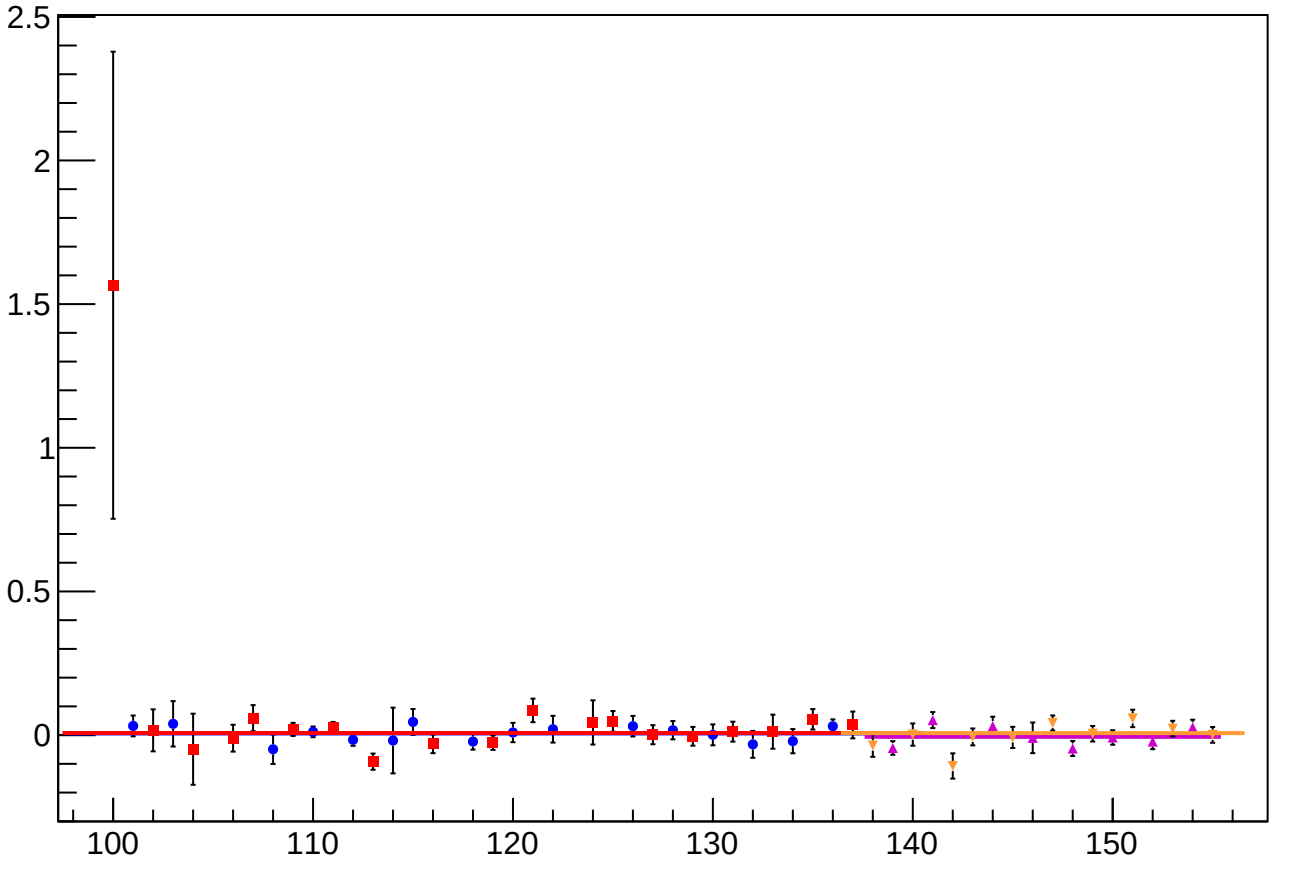
Left In: 25.320+/-0.007 χ^2/NDF:495804.8/7

+ sign 22.820+/-0.004 χ^2/NDF: 2450683.3/25

All: 22.463+/-0.003 χ^2/NDF: 5026921.6/52

- sign 22.108+/-0.004 χ^2/NDF: 2563395.7/26

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.010 χ^2/NDF:13.4/9

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

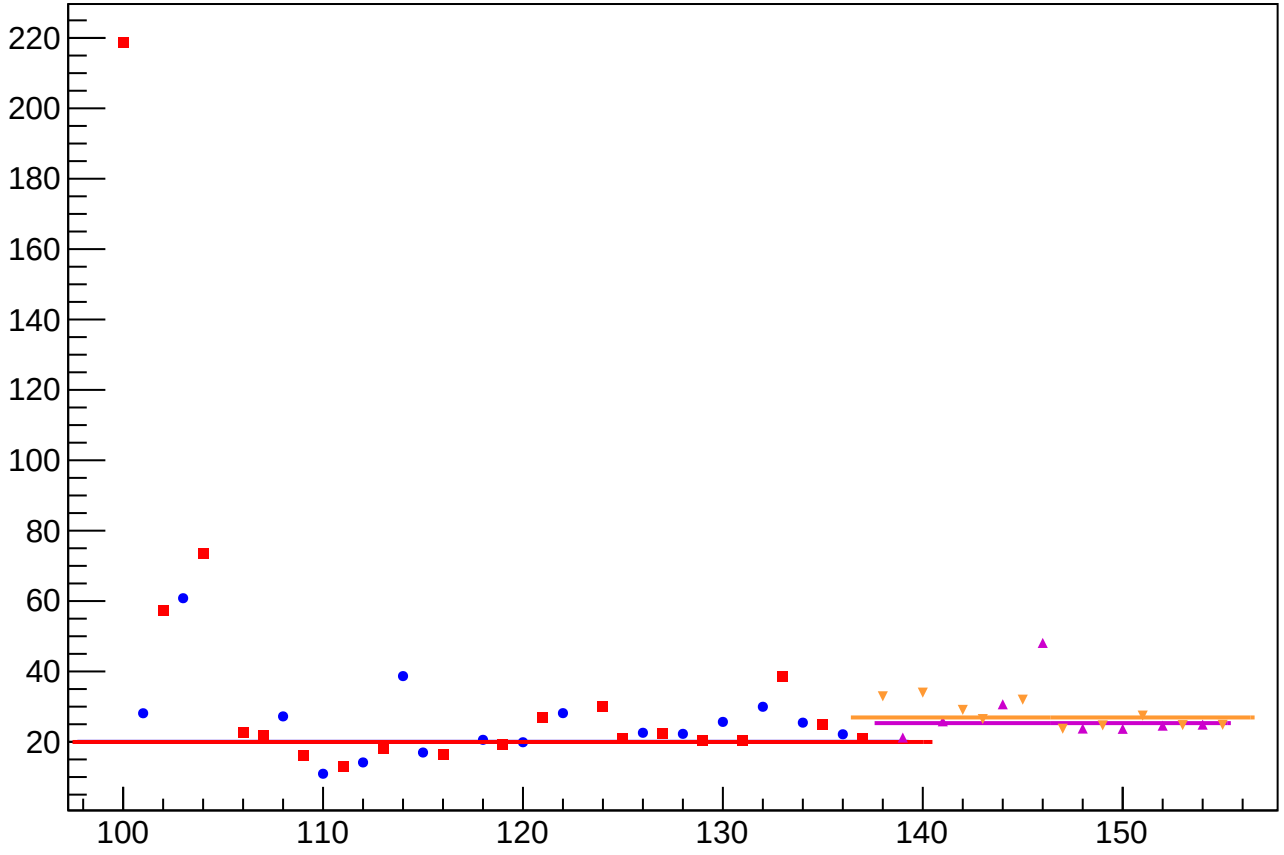
Left In: -0.006+/-0.010 χ^2/NDF:12.6/7

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/25

All: 0.004+/-0.004 χ^2/NDF: 65.0/52

- sign 0.002+/-0.006 χ^2/NDF: 43.5/26

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.928+/-0.007 χ^2/NDF:224067.3/9

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

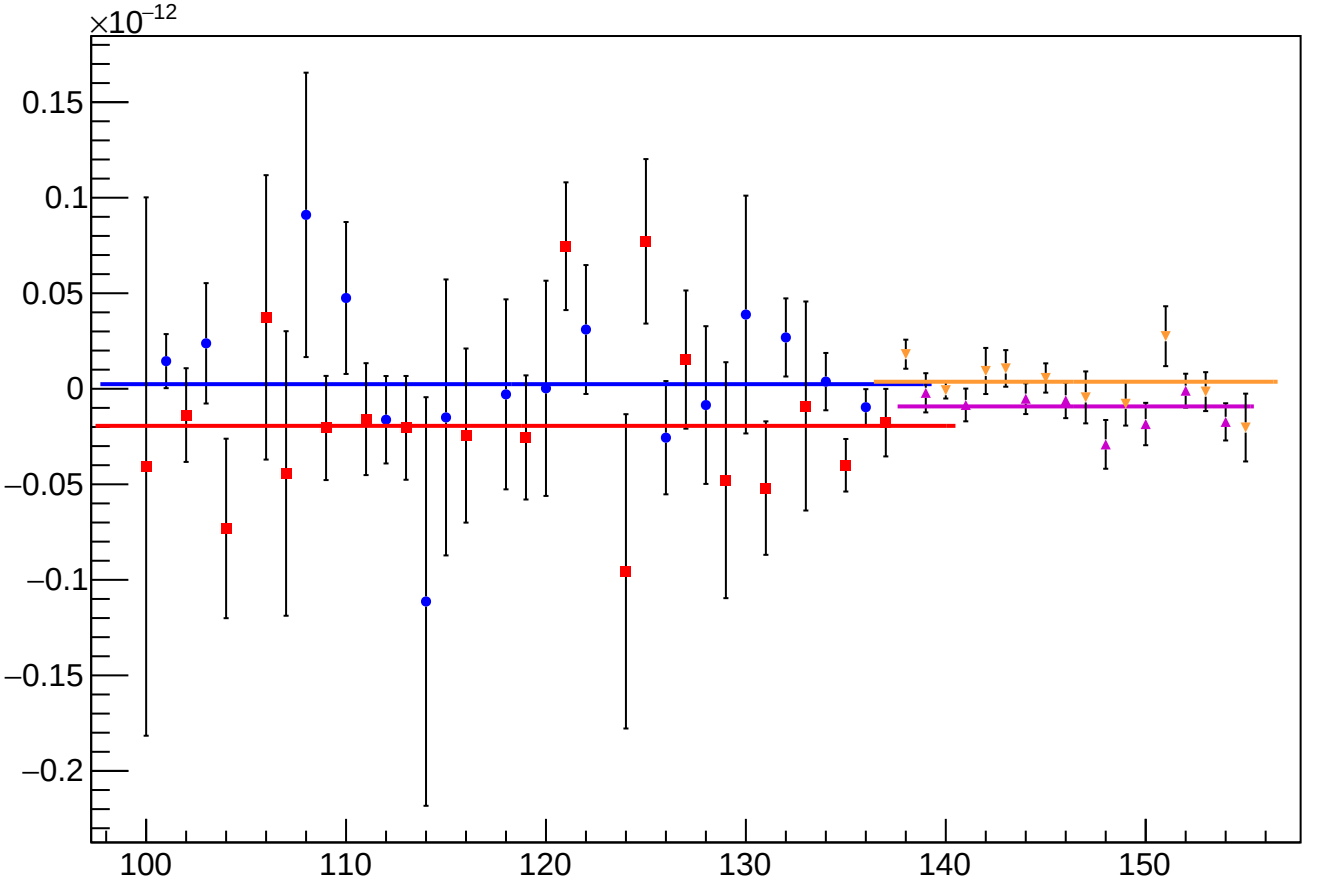
Left In: 25.320+/-0.007 χ^2/NDF:495804.8/7

\+ sign 22.820+/-0.004 χ^2/NDF: 2450683.3/25

All: 22.463+/-0.003 χ^2/NDF: 5026921.6/52

\- sign 22.108+/-0.004 χ^2/NDF: 2563395.7/26

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/9

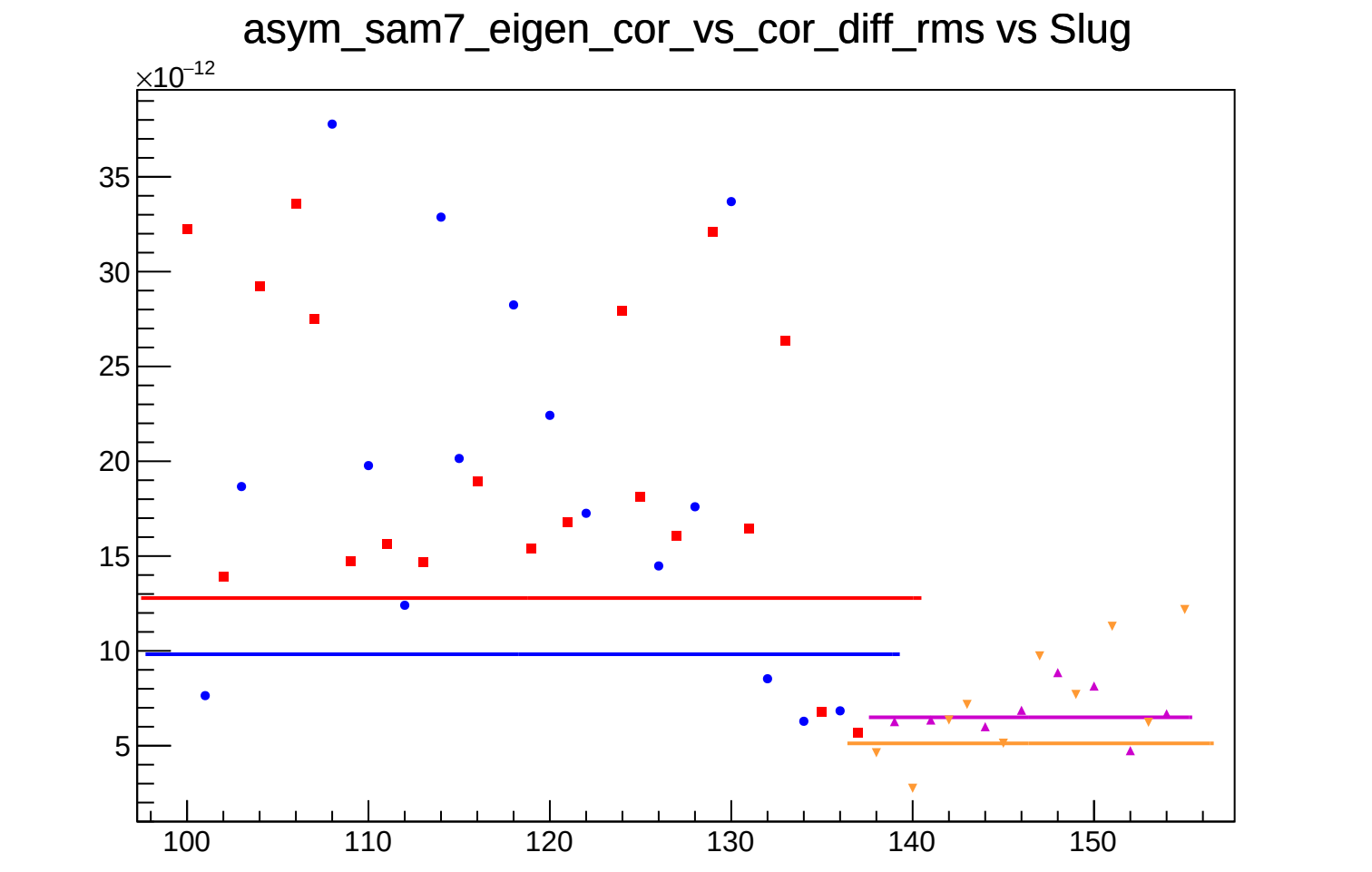
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/25

All: -0.000+/-0.000 χ^2/NDF: 63.5/52

- sign -0.000+/-0.000 χ^2/NDF: 27.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1698693.7/9

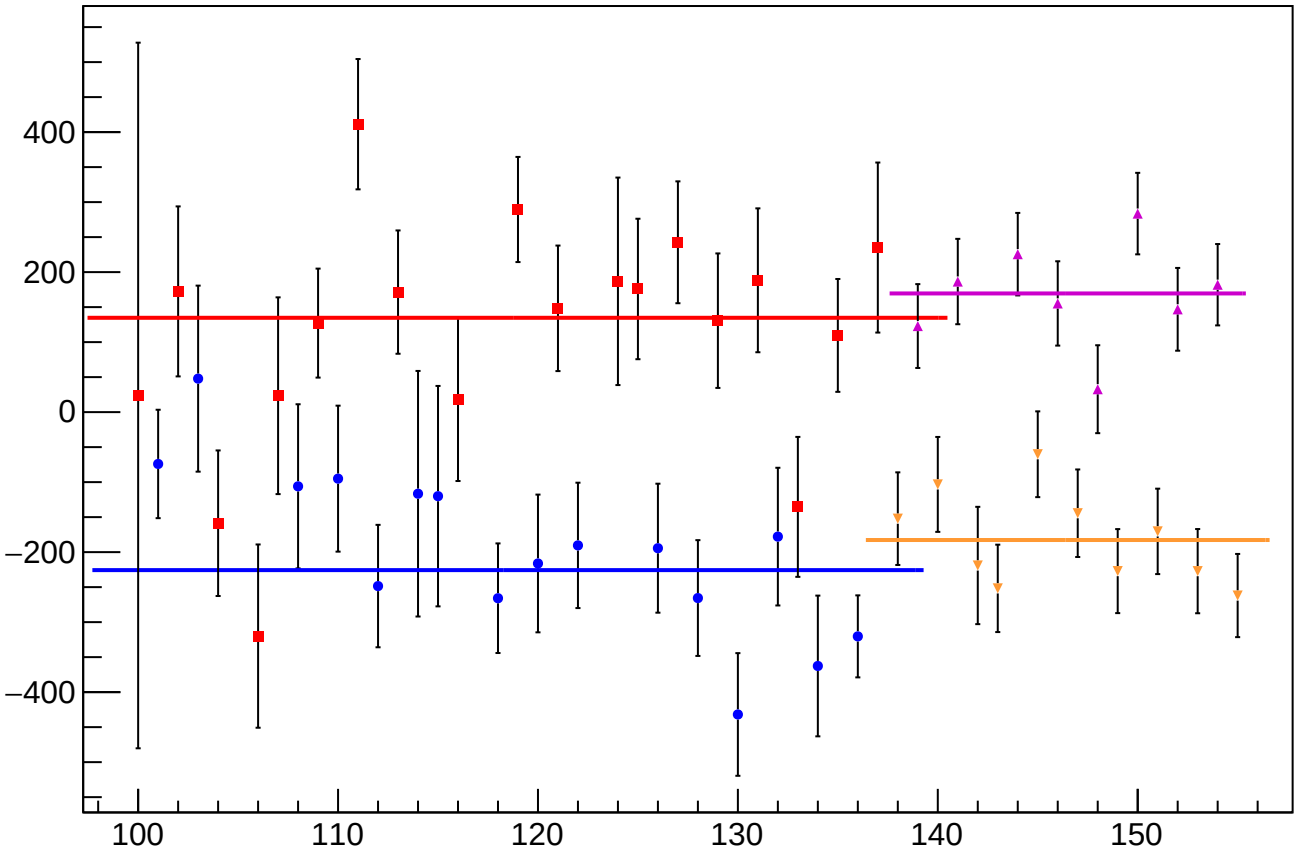
Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:204111.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 4779141.3/25

All: 0.000+/-0.000 χ^2/NDF: 8441526.4/52

- sign 0.000+/-0.000 χ^2/NDF: 3294530.6/26



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -182.693+/-20.109 χ^2/NDF:10.3/9

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

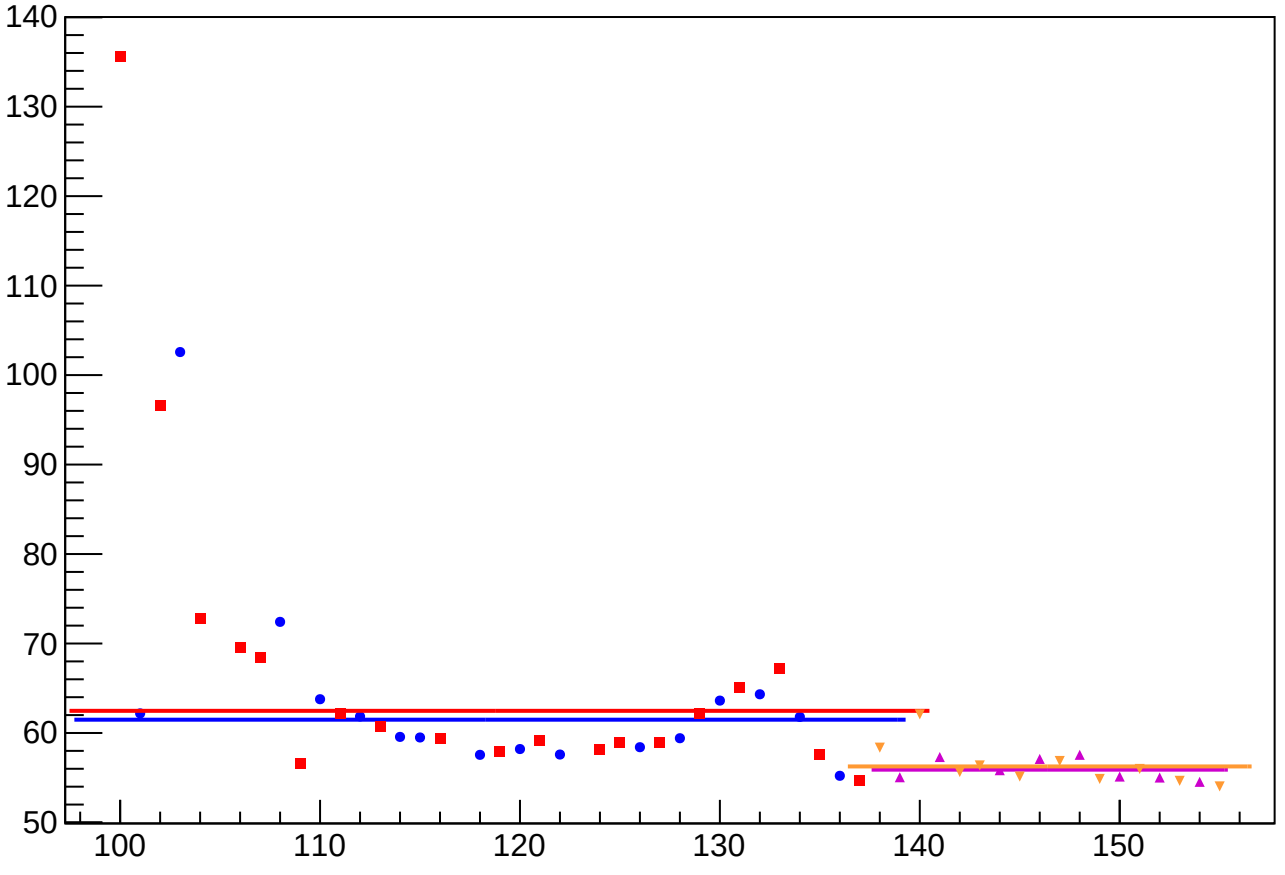
Left In: 169.530+/-21.118 χ^2/NDF:10.4/7

+ sign -201.213+/-15.172 χ^2/NDF: 34.9/25

All: -28.819+/-10.881 χ^2/NDF: 357.6/52

- sign 153.770+/-15.614 χ^2/NDF: 56.9/26

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.261+/-0.014 χ^2/NDF:23133.2/9

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

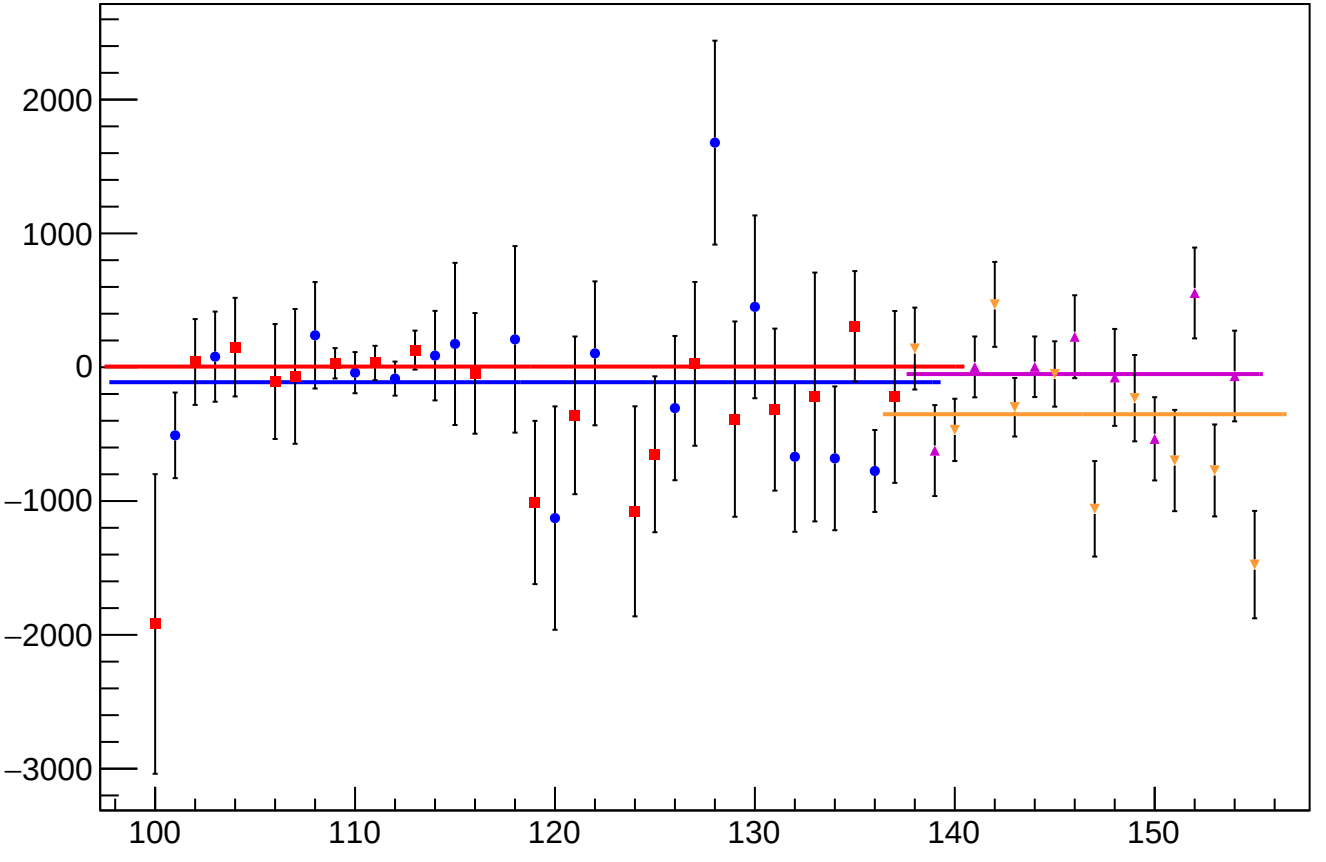
Left In: 55.901+/-0.015 χ^2/NDF:5555.5/7

+ sign 58.511+/-0.011 χ^2/NDF: 331962.6/25

All: 58.691+/-0.008 χ^2/NDF: 707120.0/52

- sign 58.881+/-0.011 χ^2/NDF: 374579.6/26

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -351.138+/-92.920 χ^2/NDF:25.3/9

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

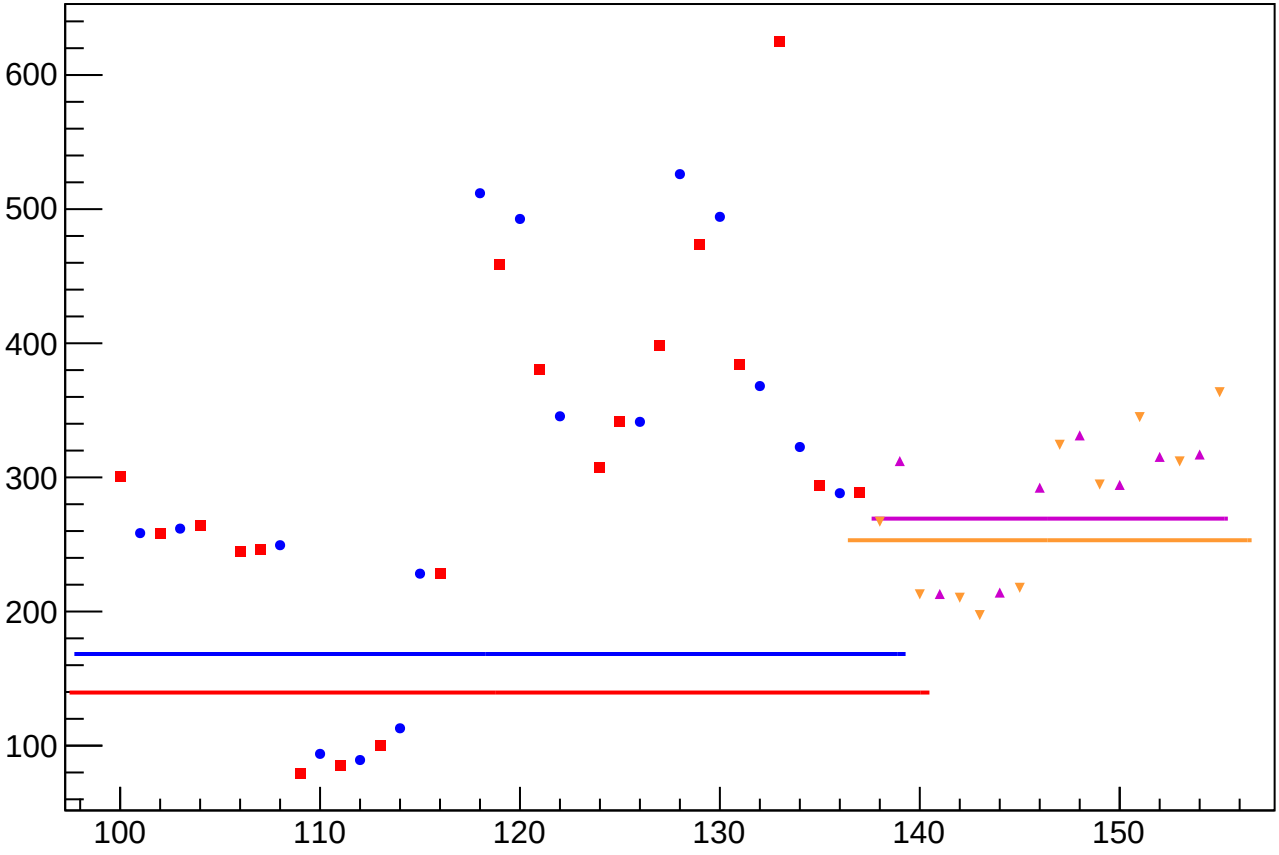
Left In: -51.062+/-103.541 χ^2/NDF:9.4/7

+ sign -208.106+/-58.927 χ^2/NDF: 47.7/25

All: -101.447+/-39.971 χ^2/NDF: 75.0/52

- sign -10.552+/-54.398 χ^2/NDF: 21.2/26

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 253.147+/-0.066 χ^2/NDF:713089.0/9

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

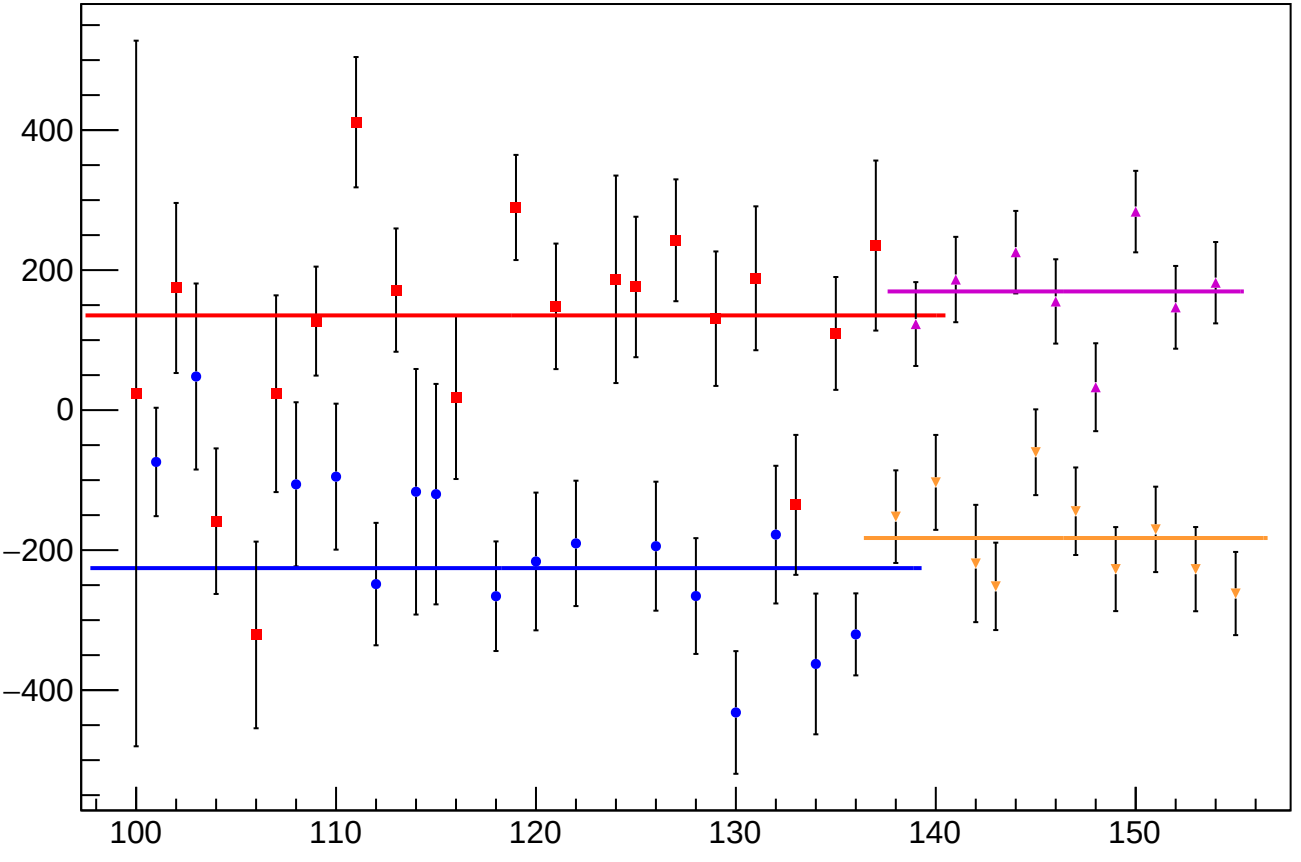
Left In: 269.261+/-0.073 χ^2/NDF:432059.1/7

+ sign 202.441+/-0.042 χ^2/NDF: 6253363.0/25

All: 187.833+/-0.028 χ^2/NDF: 14338080.5/52

- sign 175.385+/-0.038 χ^2/NDF: 7857082.0/26

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -182.691+/-20.109 χ^2/NDF:10.3/9

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

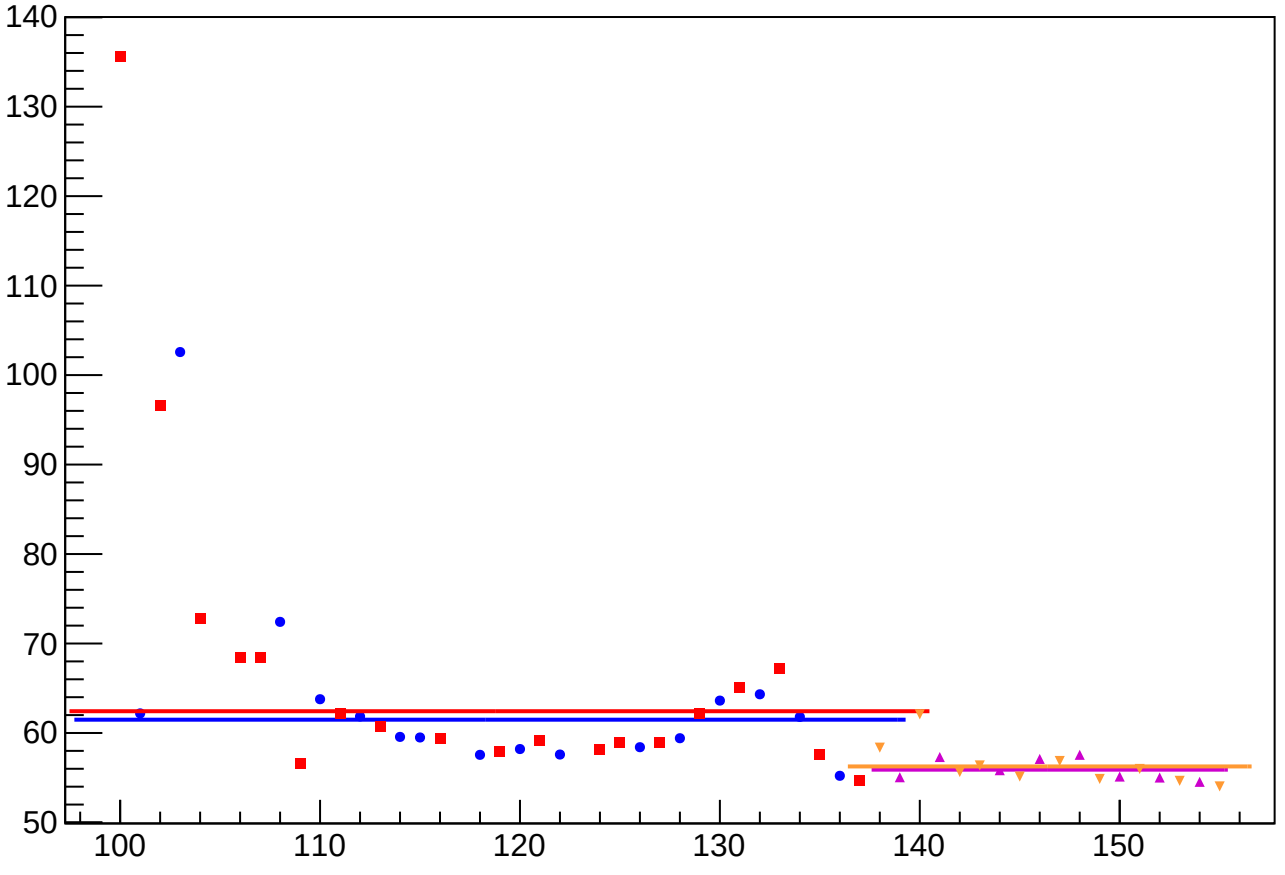
Left In: 169.530+/-21.118 χ^2/NDF:10.4/7

+ sign -201.212+/-15.172 χ^2/NDF: 34.9/25

All: -28.740+/-10.883 χ^2/NDF: 357.5/52

- sign 154.028+/-15.619 χ^2/NDF: 56.5/26

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.261+/-0.014 χ^2/NDF:23133.2/9

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

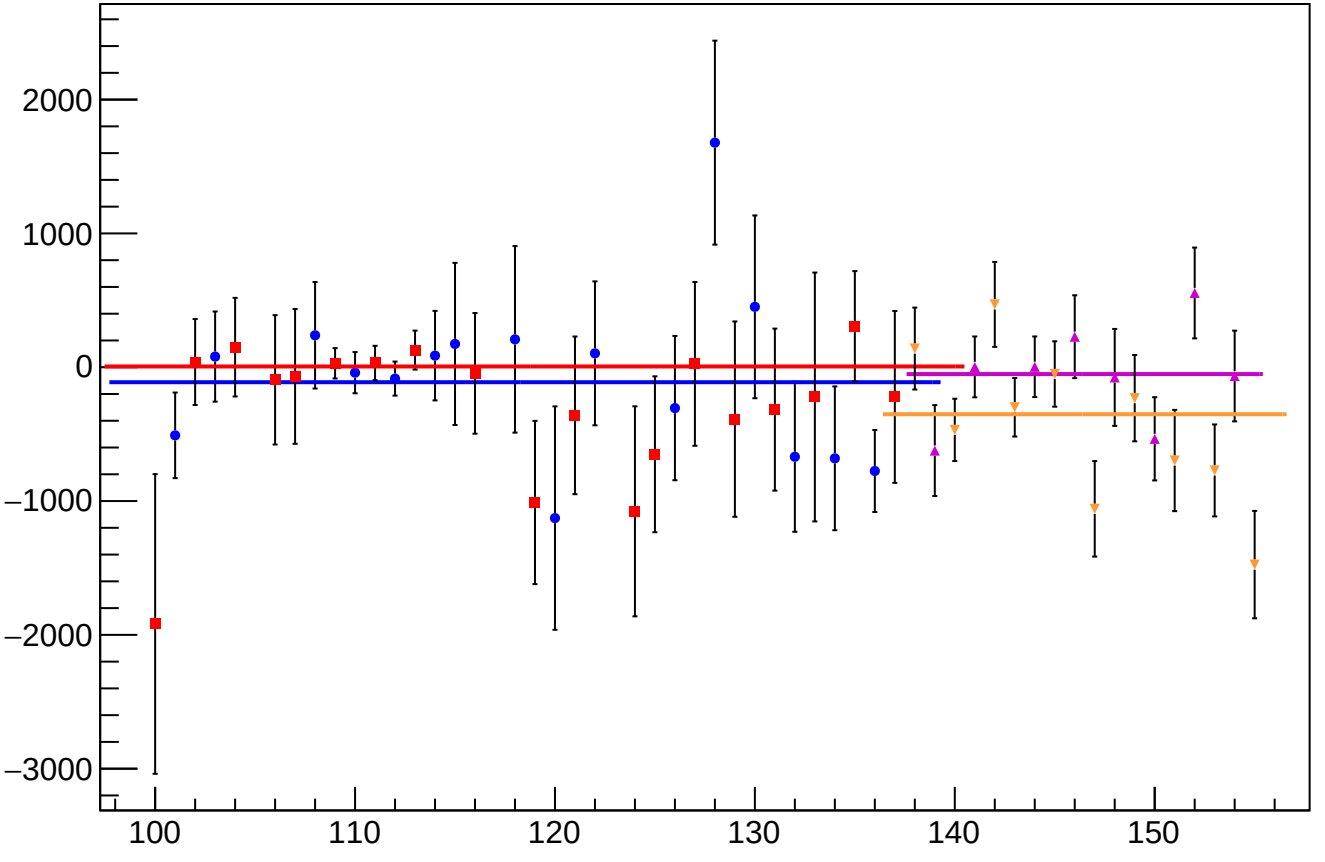
Left In: 55.901+/-0.015 χ^2/NDF:5555.5/7

+ sign 58.511+/-0.011 χ^2/NDF: 331965.2/25

All: 58.681+/-0.008 χ^2/NDF: 704115.5/52

- sign 58.860+/-0.011 χ^2/NDF: 371637.5/26

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -351.135+/-92.920 χ^2/NDF:25.3/9

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

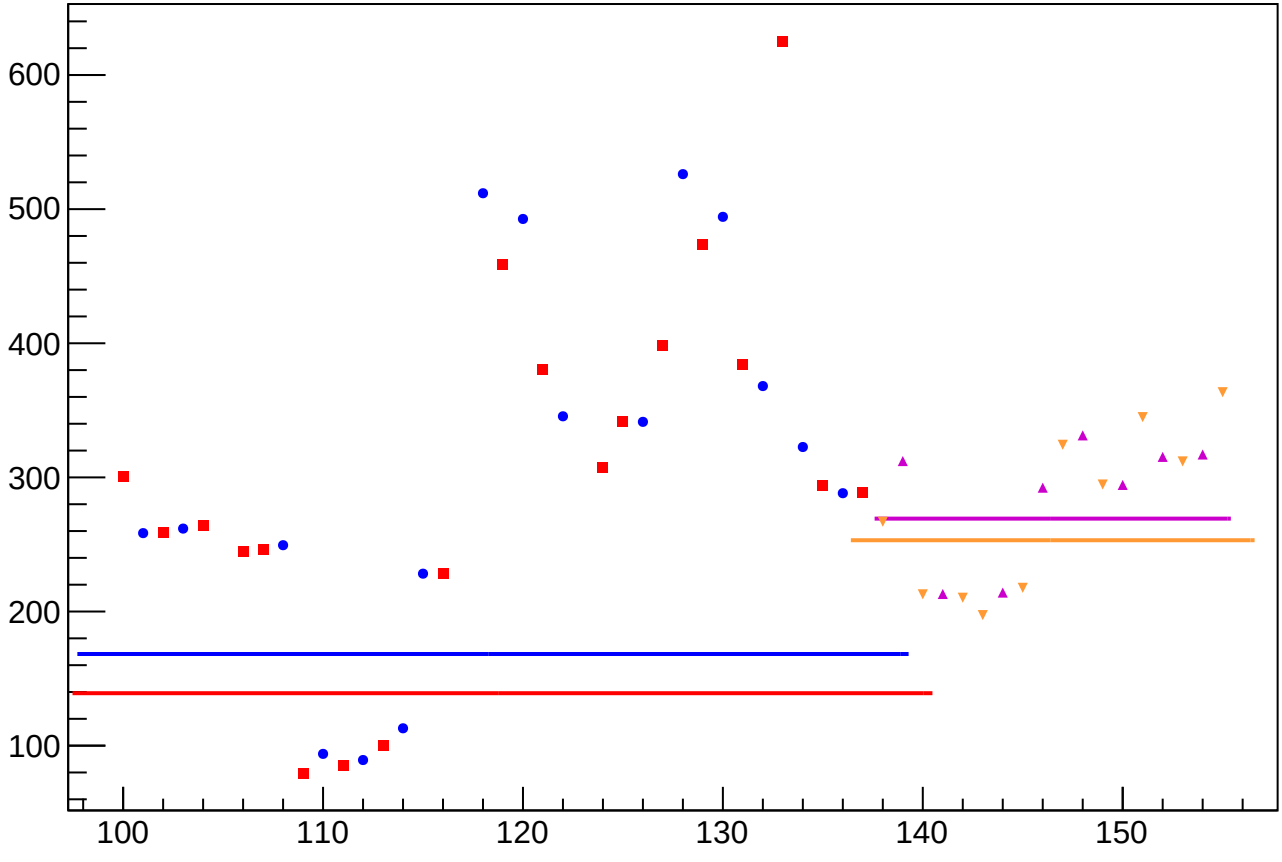
Left In: -51.061+/-103.541 χ^2/NDF:9.4/7

+ sign -208.094+/-58.927 χ^2/NDF: 47.7/25

All: -101.356+/-40.008 χ^2/NDF: 75.0/52

- sign -10.082+/-54.492 χ^2/NDF: 21.2/26

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 253.147+/-0.066 χ^2/NDF:713093.7/9

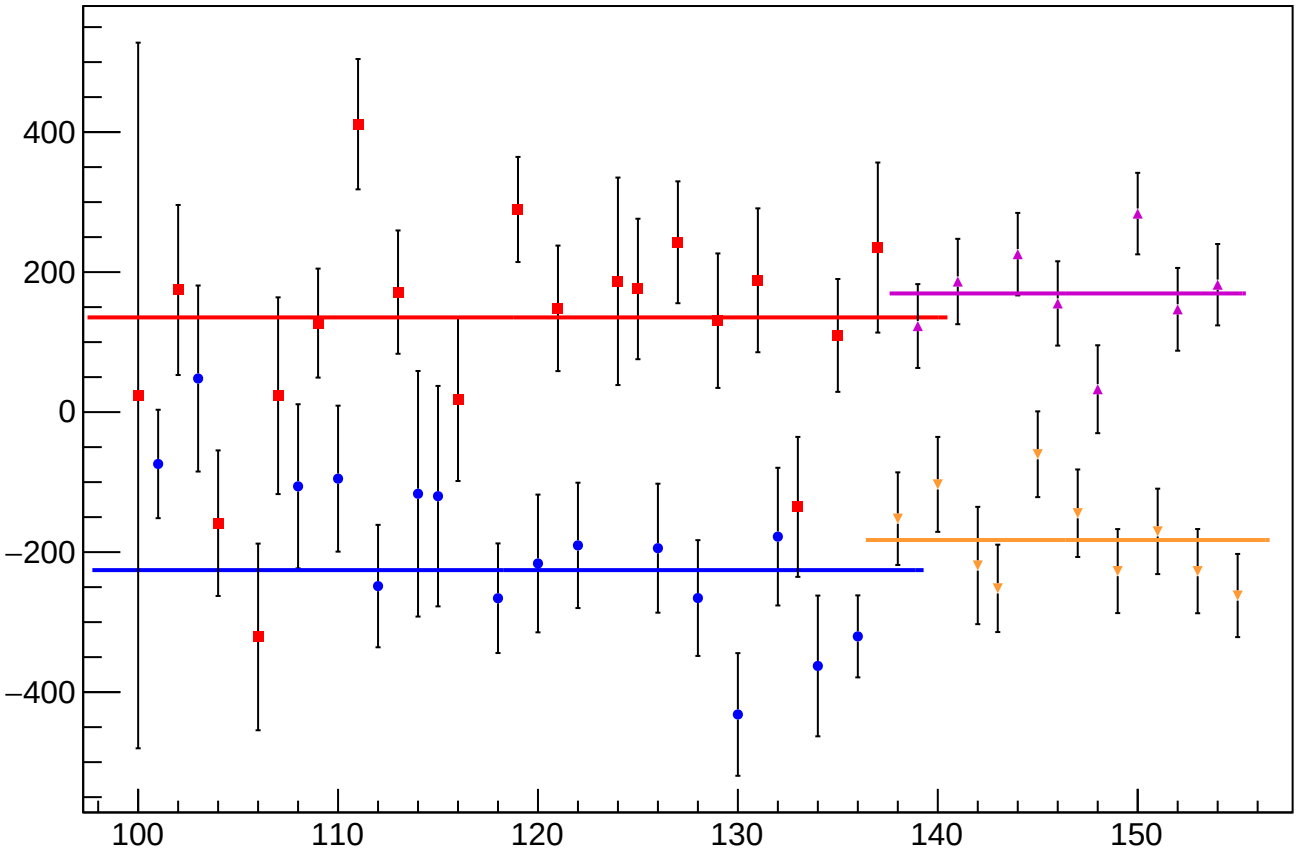
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 269.261+/-0.073 χ^2/NDF:432059.5/7

+ sign 202.441+/-0.042 χ^2/NDF: 6253407.7/25

All: 187.732+/-0.028 χ^2/NDF: 14331661.1/52

- sign 175.155+/-0.039 χ^2/NDF: 7847091.6/26



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -182.691+/-20.109 χ^2/NDF:10.3/9

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

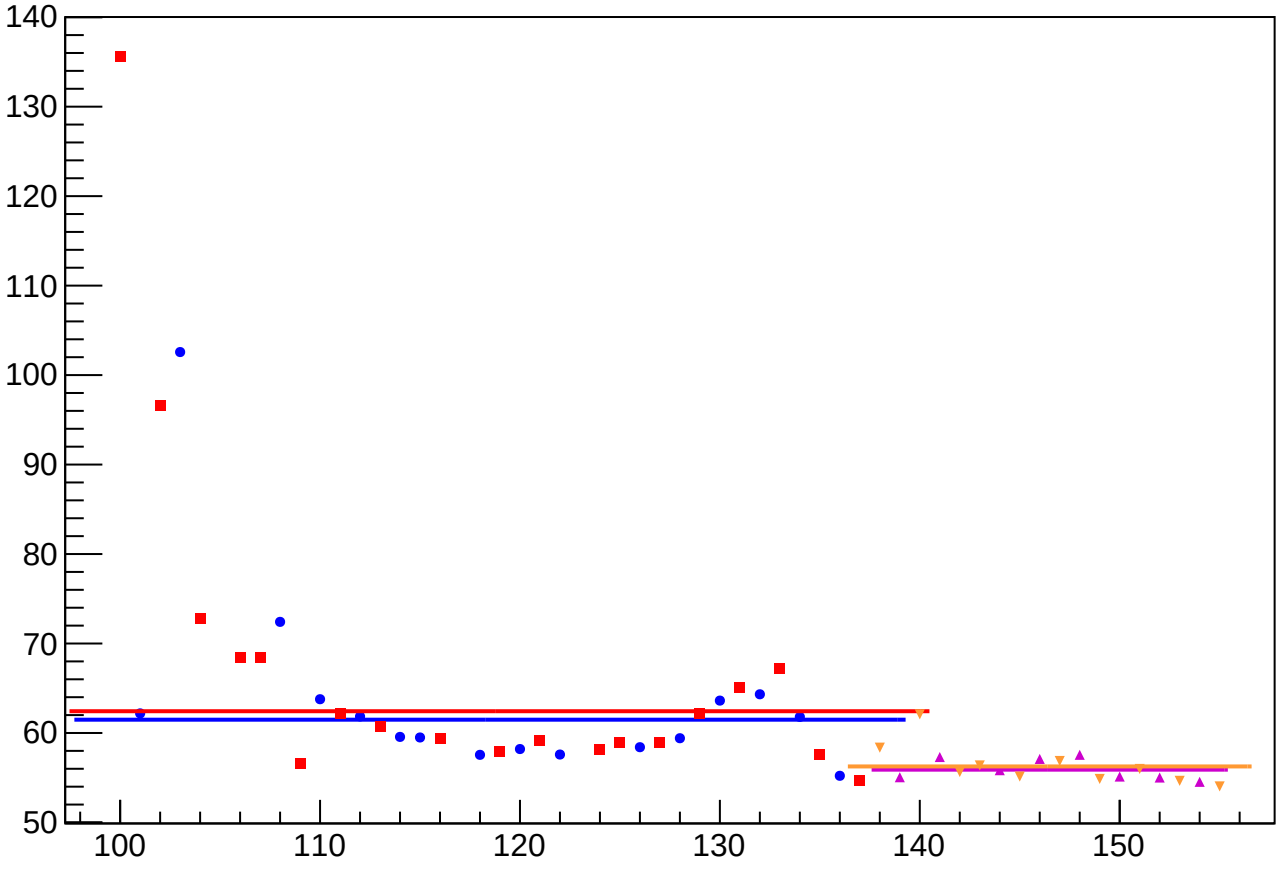
Left In: 169.530+/-21.118 χ^2/NDF:10.4/7

+ sign -201.212+/-15.172 χ^2/NDF: 34.9/25

All: -28.740+/-10.883 χ^2/NDF: 357.5/52

- sign 154.028+/-15.619 χ^2/NDF: 56.5/26

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.261+/-0.014 χ^2/NDF:23133.2/9

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

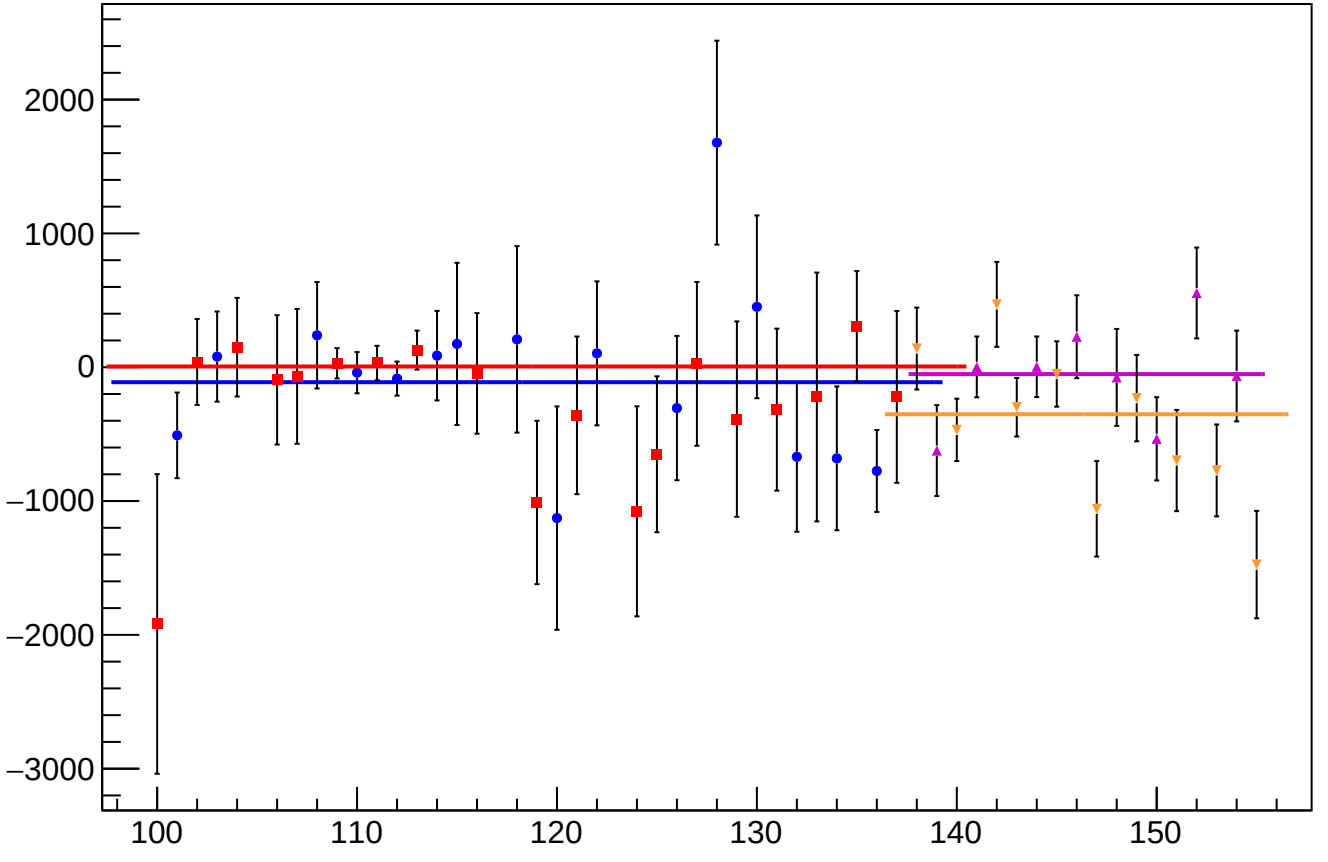
Left In: 55.901+/-0.015 χ^2/NDF:5555.5/7

+ sign 58.511+/-0.011 χ^2/NDF: 331965.2/25

All: 58.681+/-0.008 χ^2/NDF: 704115.5/52

- sign 58.860+/-0.011 χ^2/NDF: 371637.5/26

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -351.135+/-92.920 χ^2/NDF:25.3/9

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

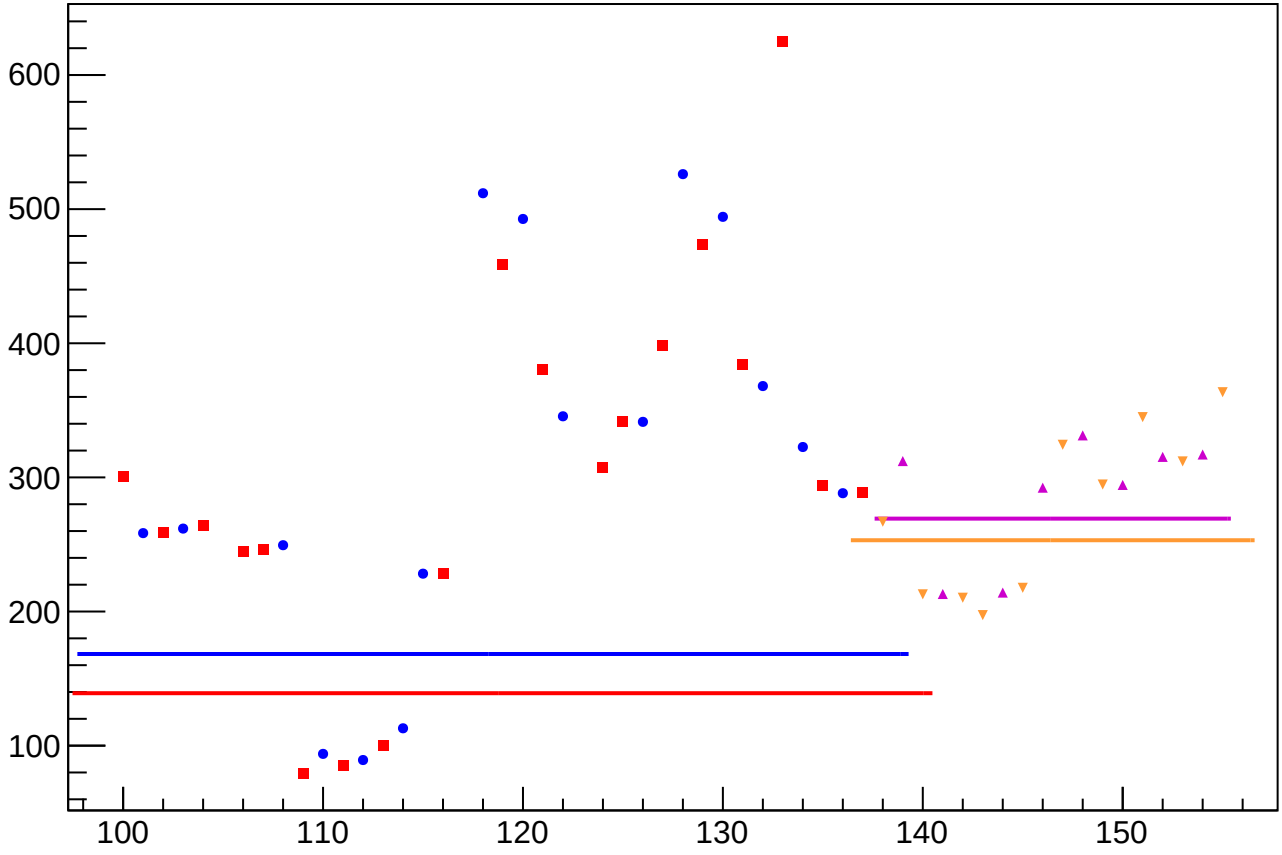
Left In: -51.061+/-103.541 χ^2/NDF:9.4/7

+ sign -208.094+/-58.927 χ^2/NDF: 47.7/25

All: -101.356+/-40.008 χ^2/NDF: 75.0/52

- sign -10.082+/-54.492 χ^2/NDF: 21.2/26

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 253.147+/-0.066 χ^2/NDF:713093.7/9

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

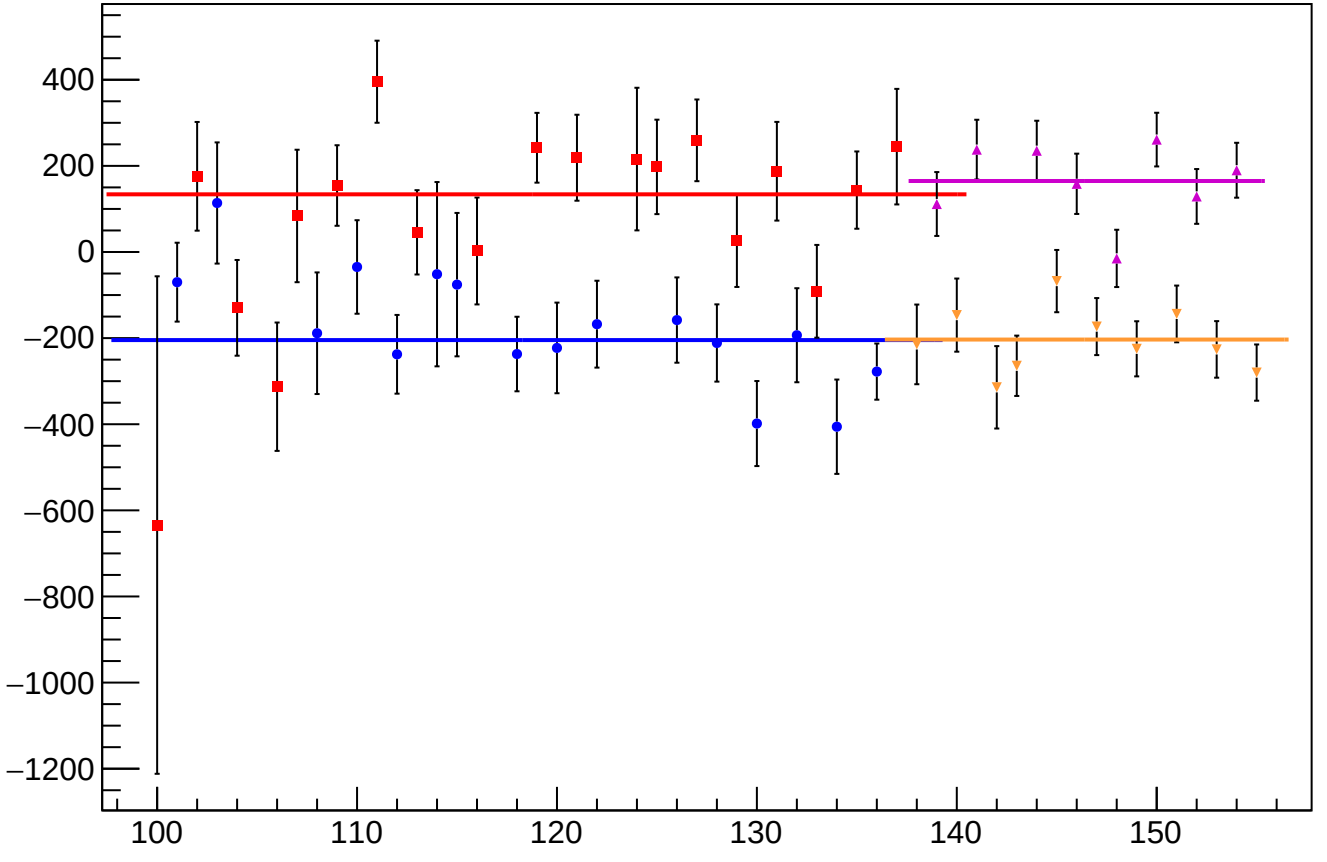
Left In: 269.261+/-0.073 χ^2/NDF:432059.5/7

+ sign 202.441+/-0.042 χ^2/NDF: 6253407.7/25

All: 187.732+/-0.028 χ^2/NDF: 14331661.1/52

- sign 175.155+/-0.039 χ^2/NDF: 7847091.6/26

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -203.341+/-22.772 χ^2/NDF:8.7/9

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

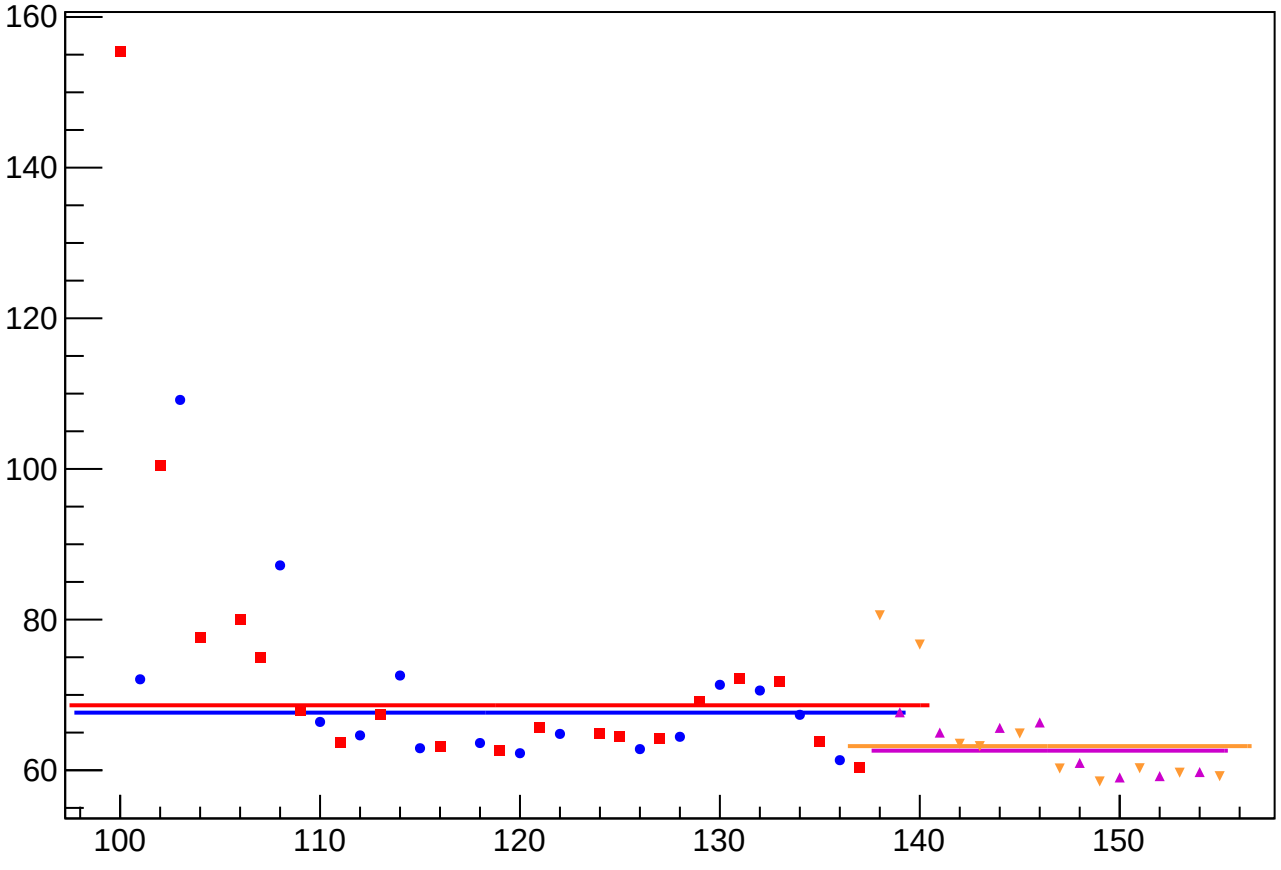
Left In: 164.884+/-23.728 χ^2/NDF:12.8/7

+ sign -203.889+/-16.992 χ^2/NDF: 28.7/25

All: -30.547+/-12.145 χ^2/NDF: 292.3/52

- sign 150.507+/-17.366 χ^2/NDF: 50.8/26

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.202+/-0.016 χ^2/NDF:153980.2/9

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

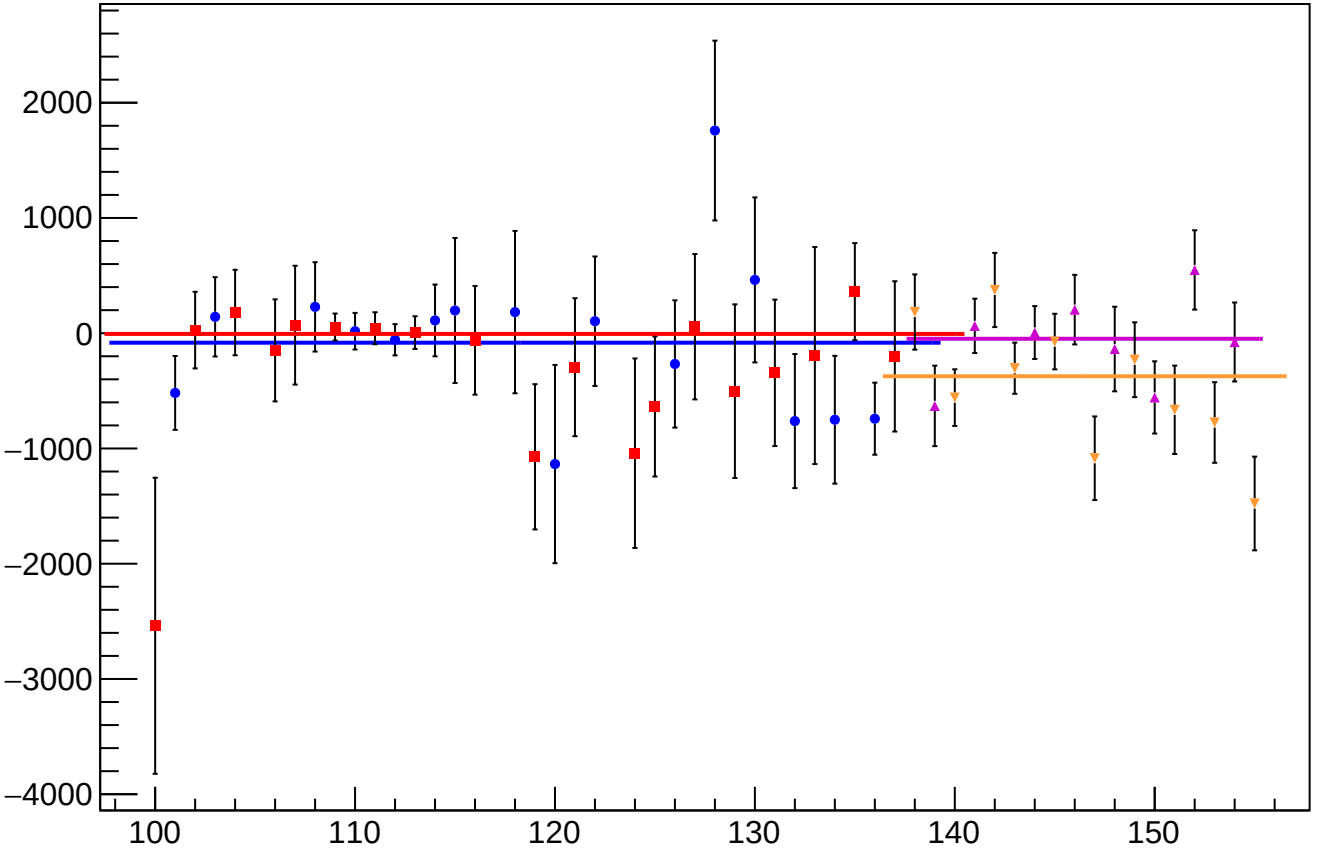
Left In: 62.600+/-0.017 χ^2/NDF:38631.3/7

+ sign 65.172+/-0.012 χ^2/NDF: 451431.4/25

All: 65.282+/-0.009 χ^2/NDF: 798267.1/52

- sign 65.397+/-0.012 χ^2/NDF: 346664.3/26

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -373.432+/-94.846 χ^2/NDF:23.9/9

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

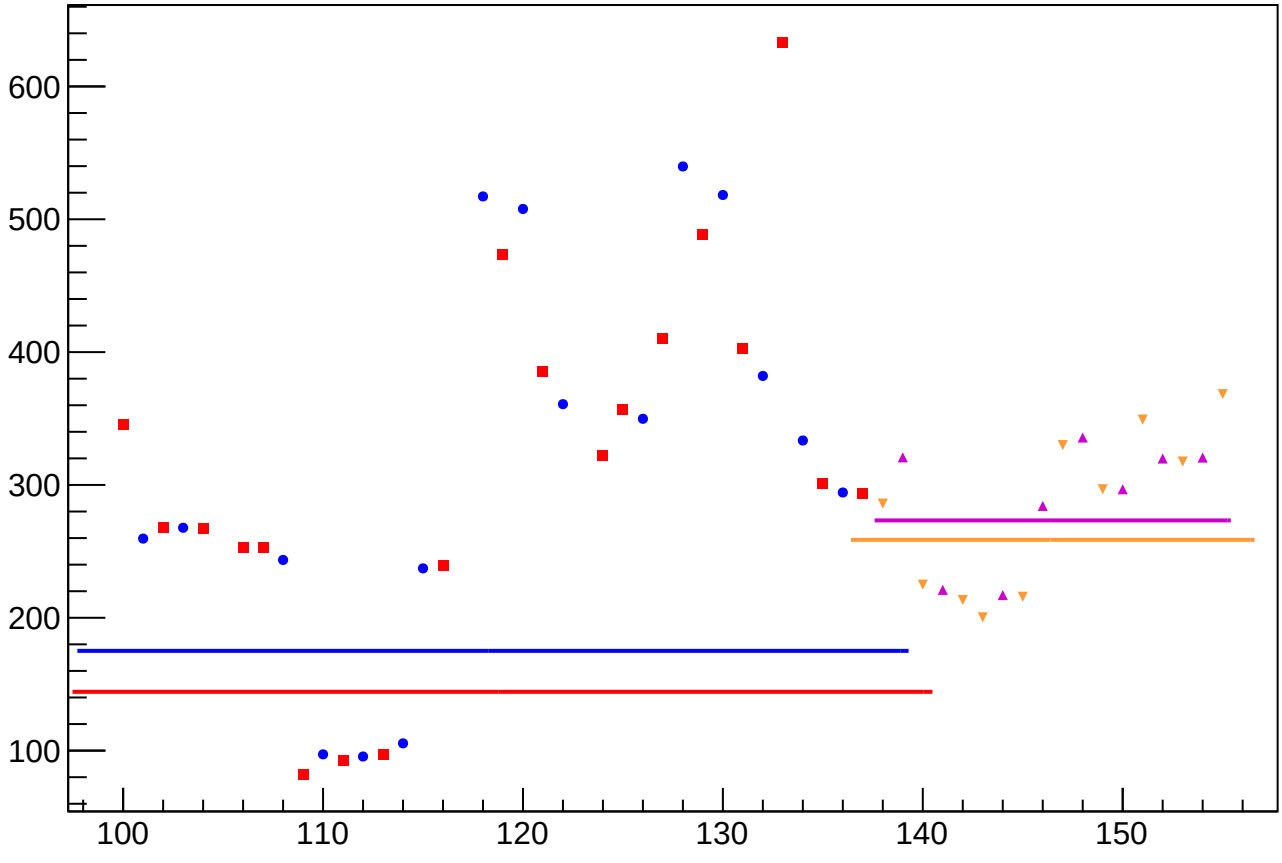
Left In: -48.189+/-104.980 χ^2/NDF:9.5/7

+ sign -200.927+/-60.554 χ^2/NDF: 48.6/25

All: -102.021+/-41.043 χ^2/NDF: 75.2/52

- sign -17.973+/-55.820 χ^2/NDF: 21.6/26

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 258.701+/-0.067 χ^2/NDF:711088.3/9

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

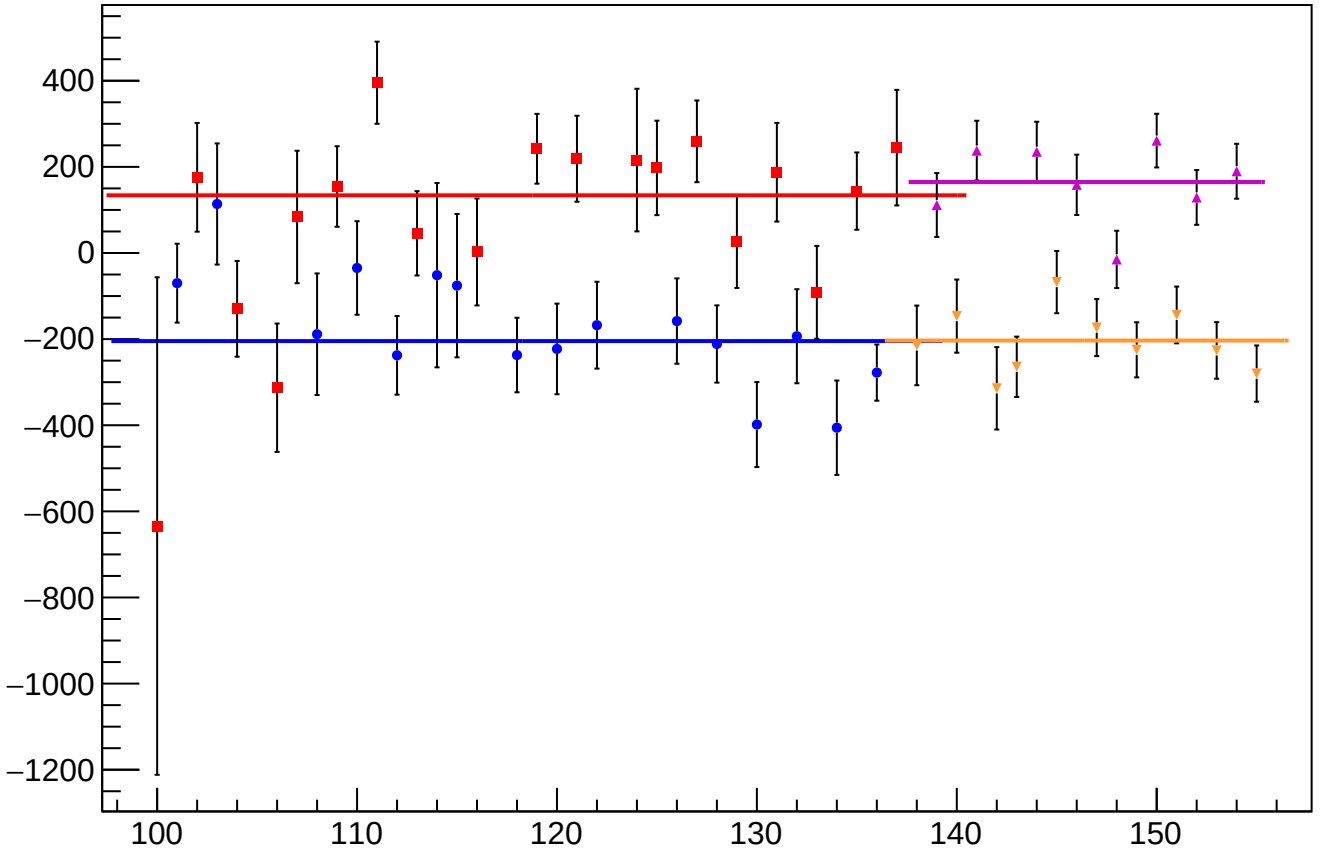
Left In: 273.310+/-0.074 χ^2/NDF:401870.7/7

+ sign 209.176+/-0.043 χ^2/NDF: 6060659.1/25

All: 193.813+/-0.029 χ^2/NDF: 14000344.8/52

- sign 180.758+/-0.039 χ^2/NDF: 7701552.8/26

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -203.341+/-22.772 χ^2/NDF:8.7/9

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

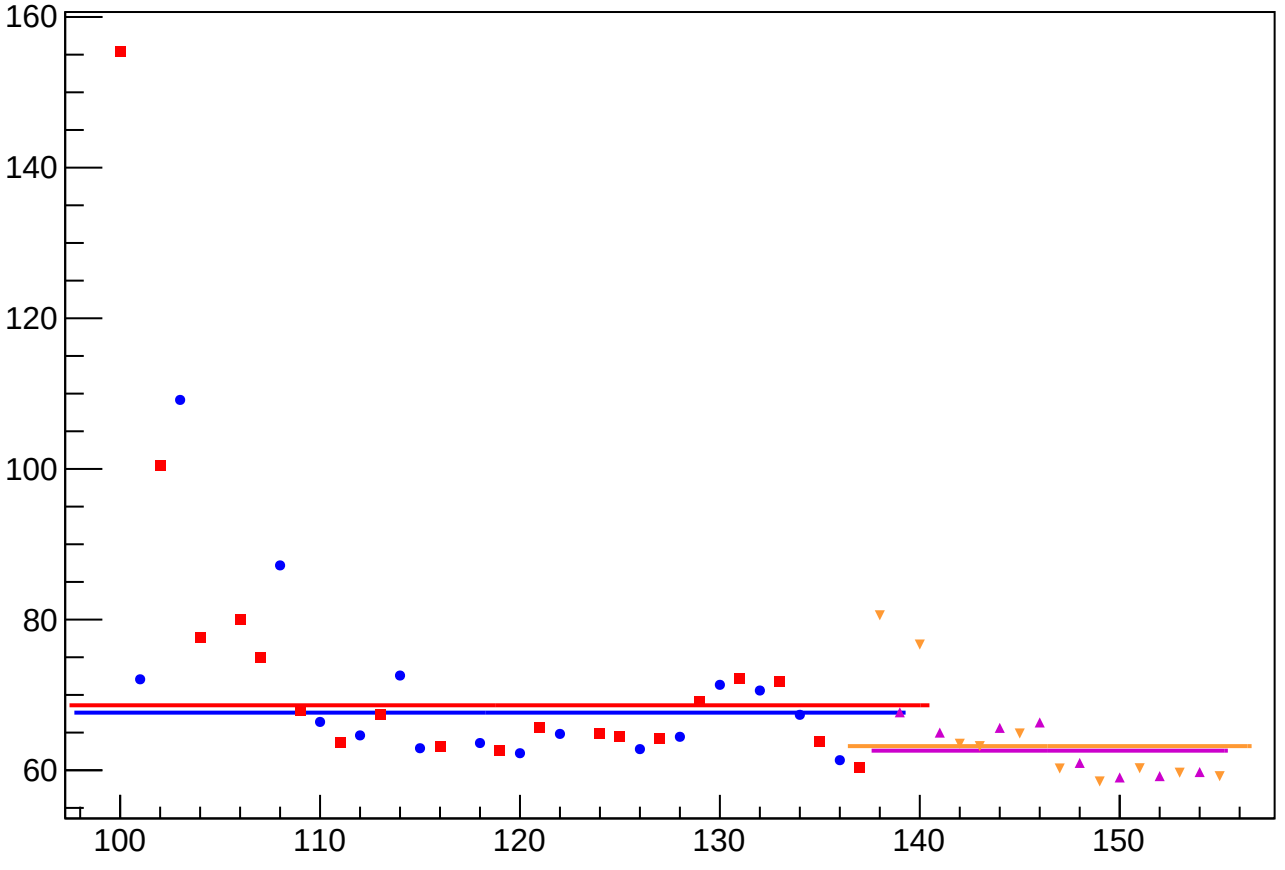
Left In: 164.884+/-23.728 χ^2/NDF:12.8/7

+ sign -203.888+/-16.992 χ^2/NDF: 28.7/25

All: -30.547+/-12.145 χ^2/NDF: 292.3/52

- sign 150.508+/-17.366 χ^2/NDF: 50.8/26

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.202+/-0.016 χ^2/NDF:153979.1/9

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

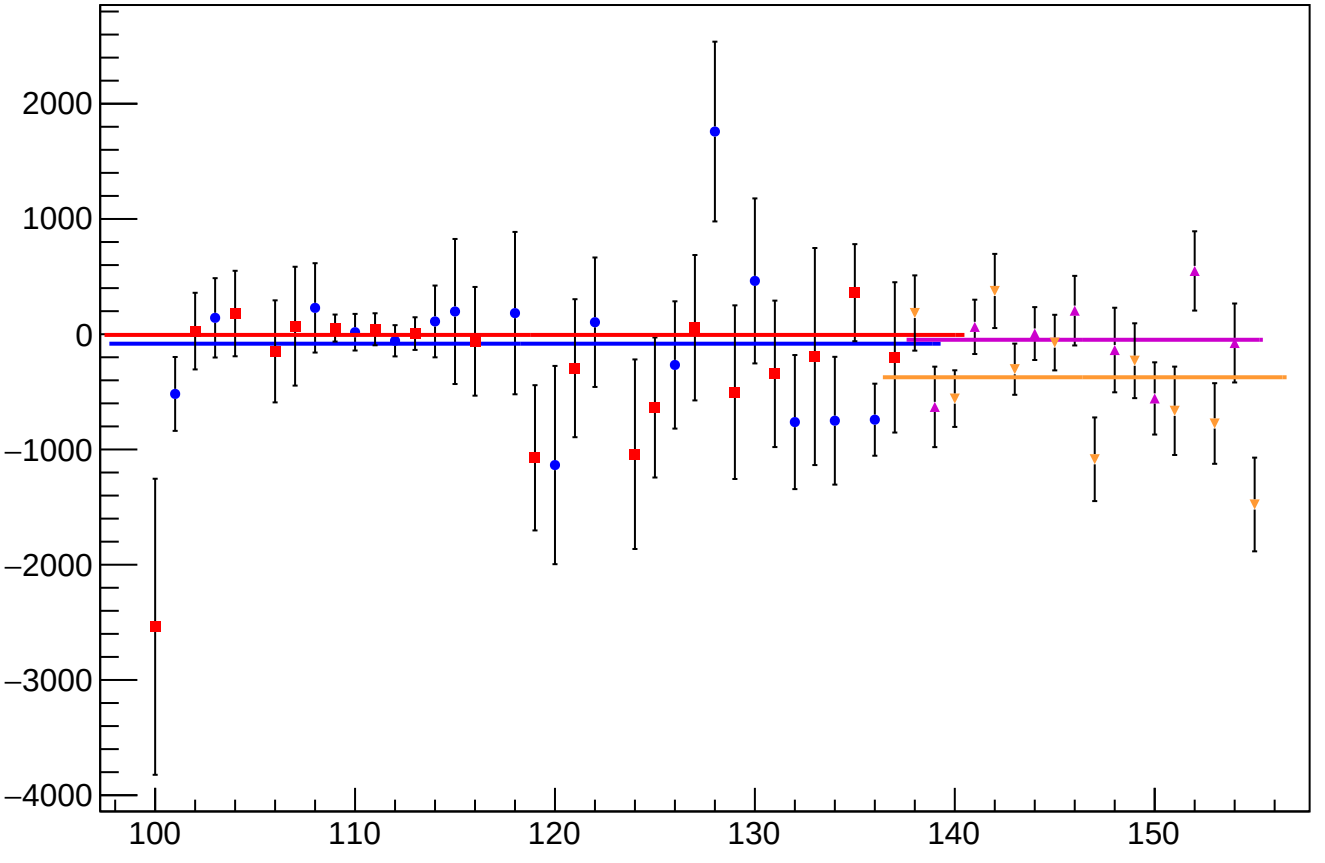
Left In: 62.600+/-0.017 χ^2/NDF:38631.8/7

+ sign 65.172+/-0.012 χ^2/NDF: 451425.7/25

All: 65.282+/-0.009 χ^2/NDF: 798257.7/52

- sign 65.397+/-0.012 χ^2/NDF: 346660.6/26

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -373.431+/-94.845 χ^2/NDF:23.9/9

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

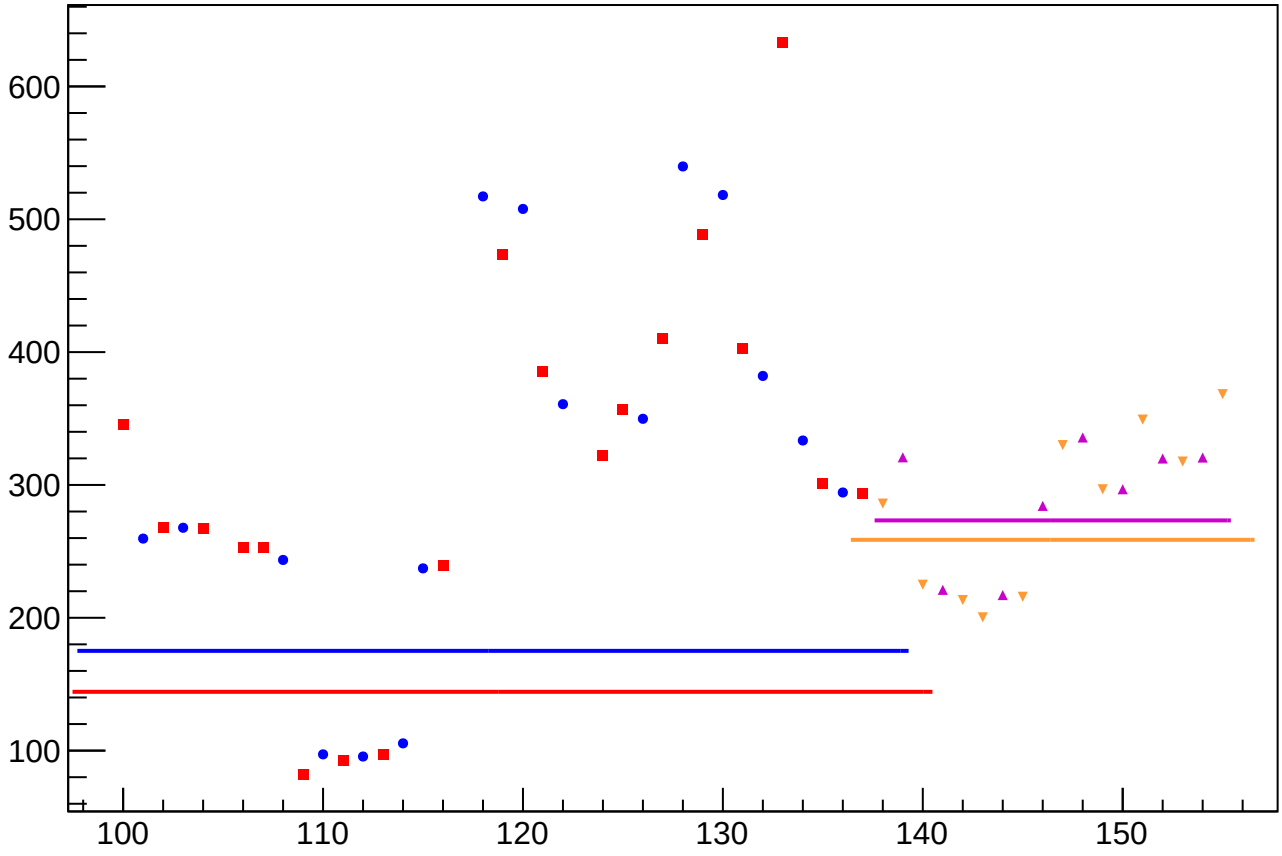
Left In: -48.189+/-104.979 χ^2/NDF:9.5/7

\+ sign -200.925+/-60.554 χ^2/NDF: 48.6/25

All: -102.020+/-41.042 χ^2/NDF: 75.2/52

\- sign -17.973+/-55.820 χ^2/NDF: 21.6/26

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 258.699+/-0.067 χ^2/NDF:711093.9/9

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

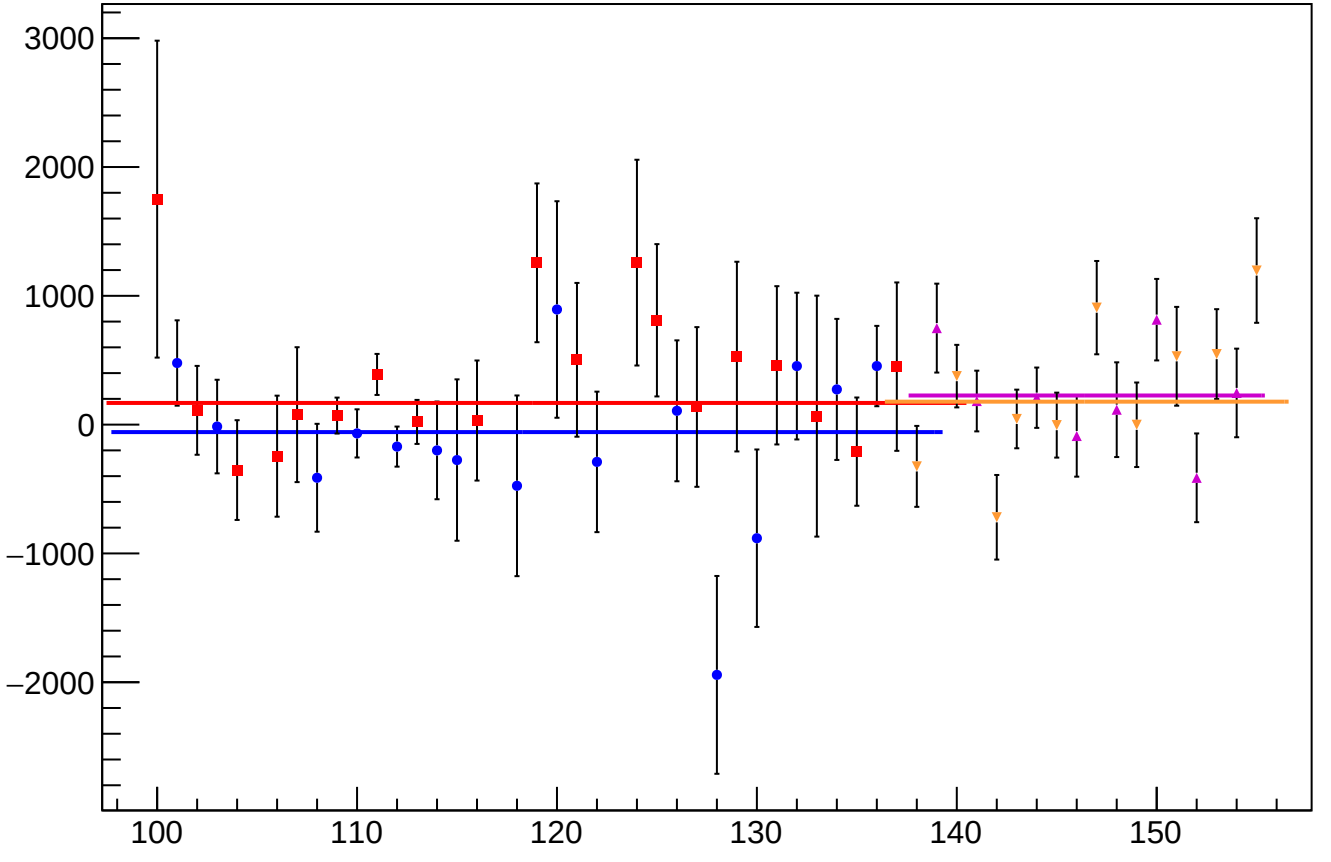
Left In: 273.309+/-0.074 χ^2/NDF:401869.9/7

+ sign 209.175+/-0.043 χ^2/NDF: 6060701.1/25

All: 193.812+/-0.029 χ^2/NDF: 14000344.1/52

- sign 180.758+/-0.039 χ^2/NDF: 7701523.6/26

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 178.294+/-95.616 χ^2/NDF:24.2/9

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

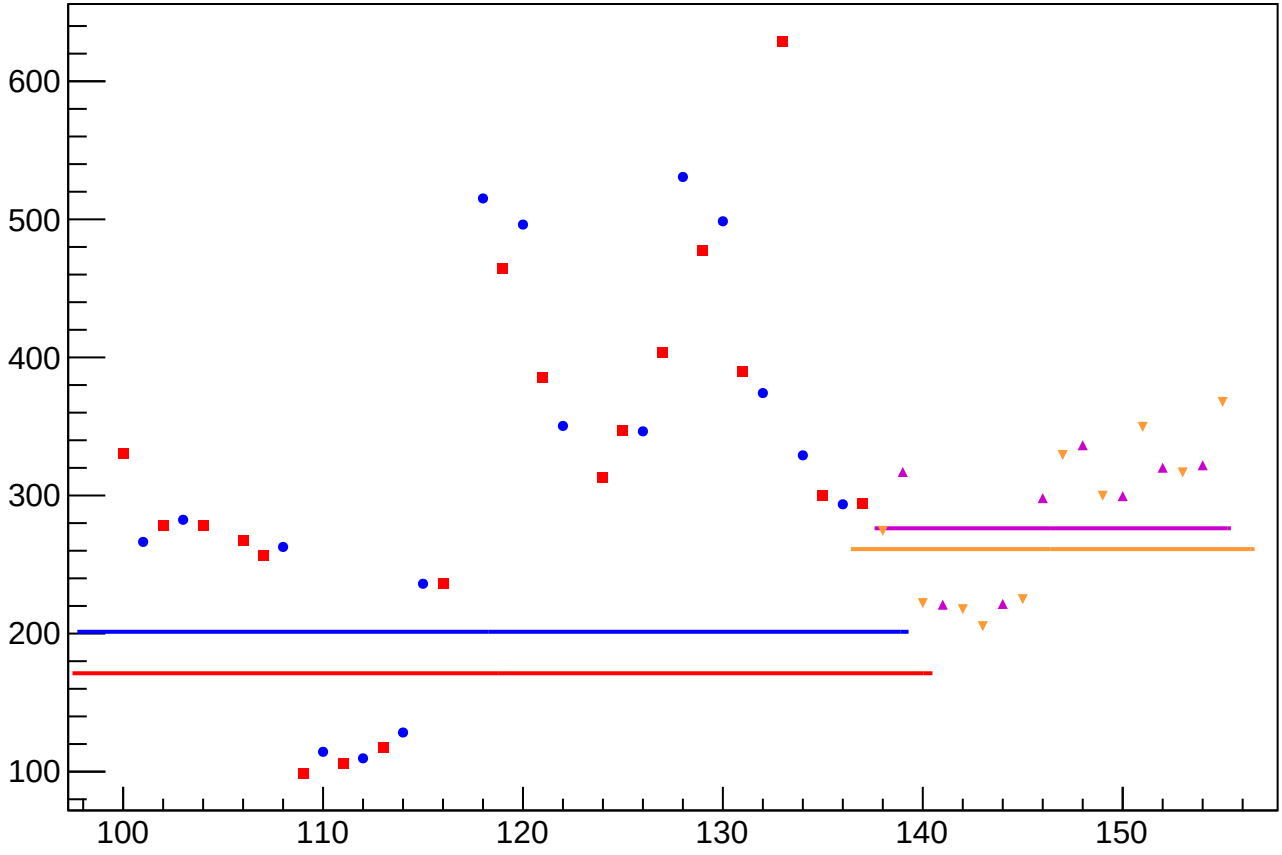
Left In: 226.137+/-106.041 χ^2/NDF:10.3/7

+ sign 48.892+/-64.305 χ^2/NDF: 44.9/25

All: 121.814+/-44.261 χ^2/NDF: 73.4/52

- sign 187.461+/-61.013 χ^2/NDF: 26.0/26

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 261.183+/-0.068 χ^2/NDF:645930.2/9

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

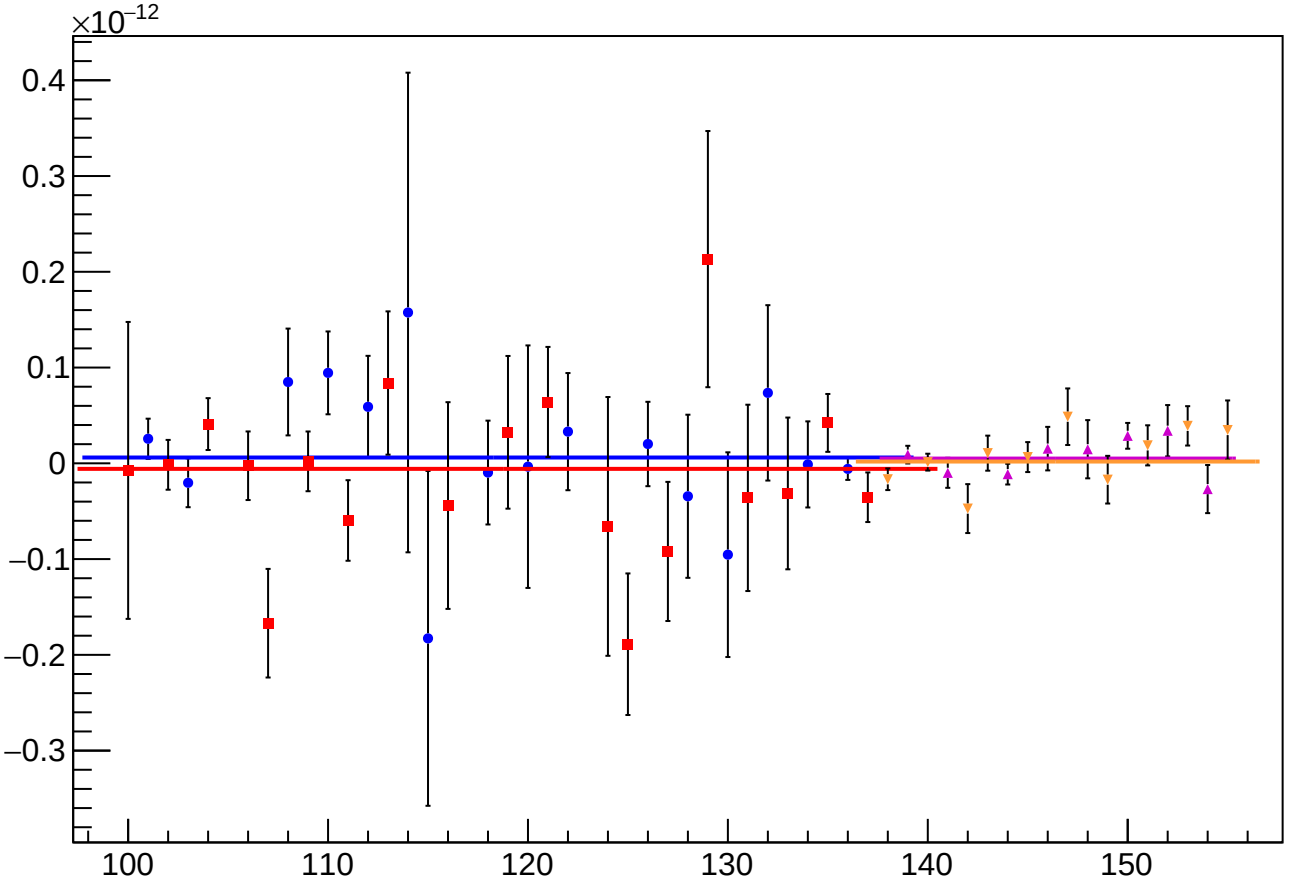
Left In: 276.252+/-0.075 χ^2/NDF:389179.0/7

+ sign 228.386+/-0.045 χ^2/NDF: 4647760.6/25

All: 216.612+/-0.031 χ^2/NDF: 10668669.6/52

- sign 206.012+/-0.043 χ^2/NDF: 5893501.0/26

asym_sam8_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/9

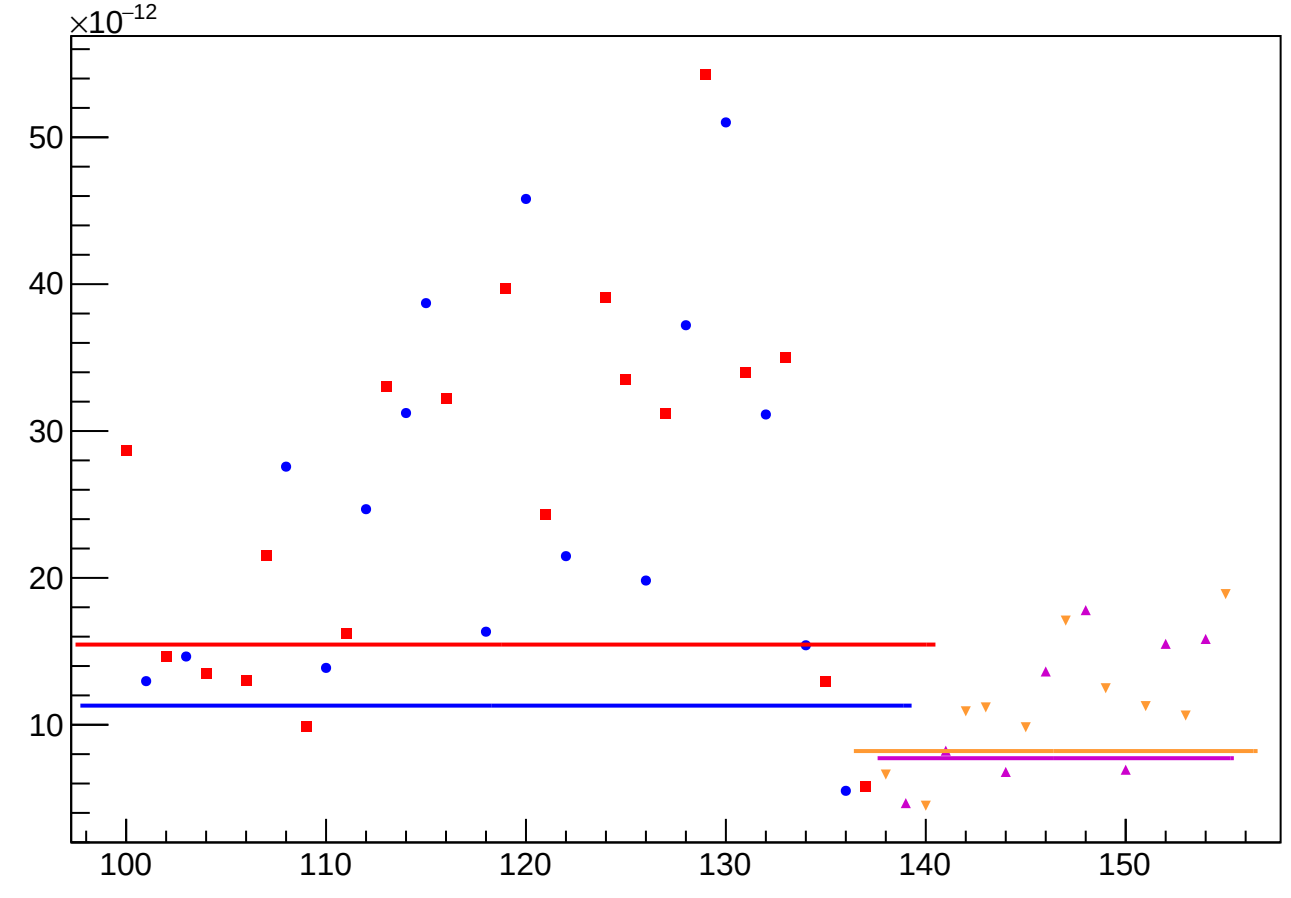
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 28.9/25

All: 0.000+/-0.000 χ^2/NDF: 69.8/52

- sign 0.000+/-0.000 χ^2/NDF: 41.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1043734.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

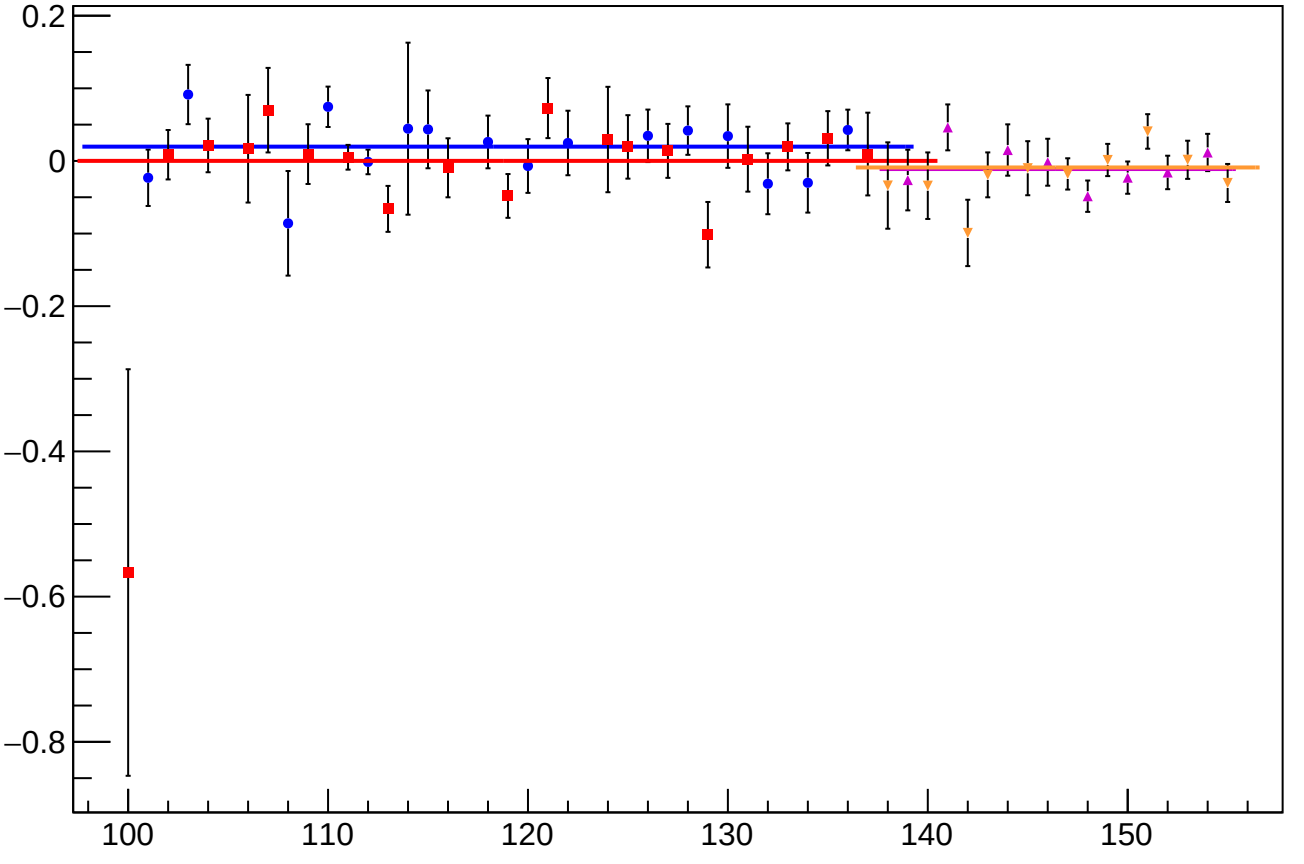
Left In: 0.000+/-0.000 χ^2/NDF:975732.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 3034706.4/25

All: 0.000+/-0.000 χ^2/NDF: 6365027.8/52

- sign 0.000+/-0.000 χ^2/NDF: 3326298.9/26

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.009+/-0.009 χ^2/NDF:10.0/9

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

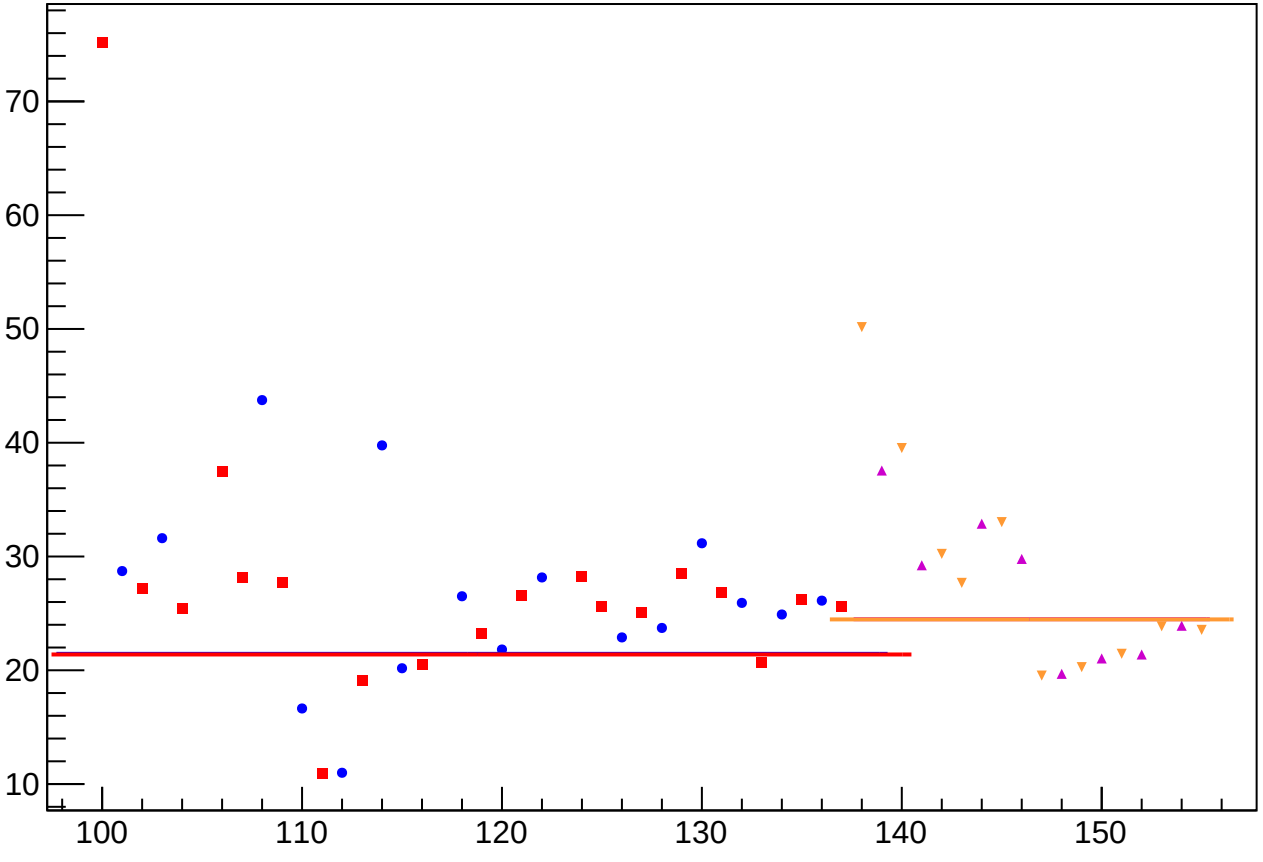
Left In: -0.011+/-0.010 χ^2/NDF:8.2/7

+ sign 0.006+/-0.006 χ^2/NDF: 32.2/25

All: 0.001+/-0.004 χ^2/NDF: 65.5/52

- sign -0.005+/-0.006 χ^2/NDF: 31.8/26

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.471+/-0.006 χ^2/NDF:960448.0/9

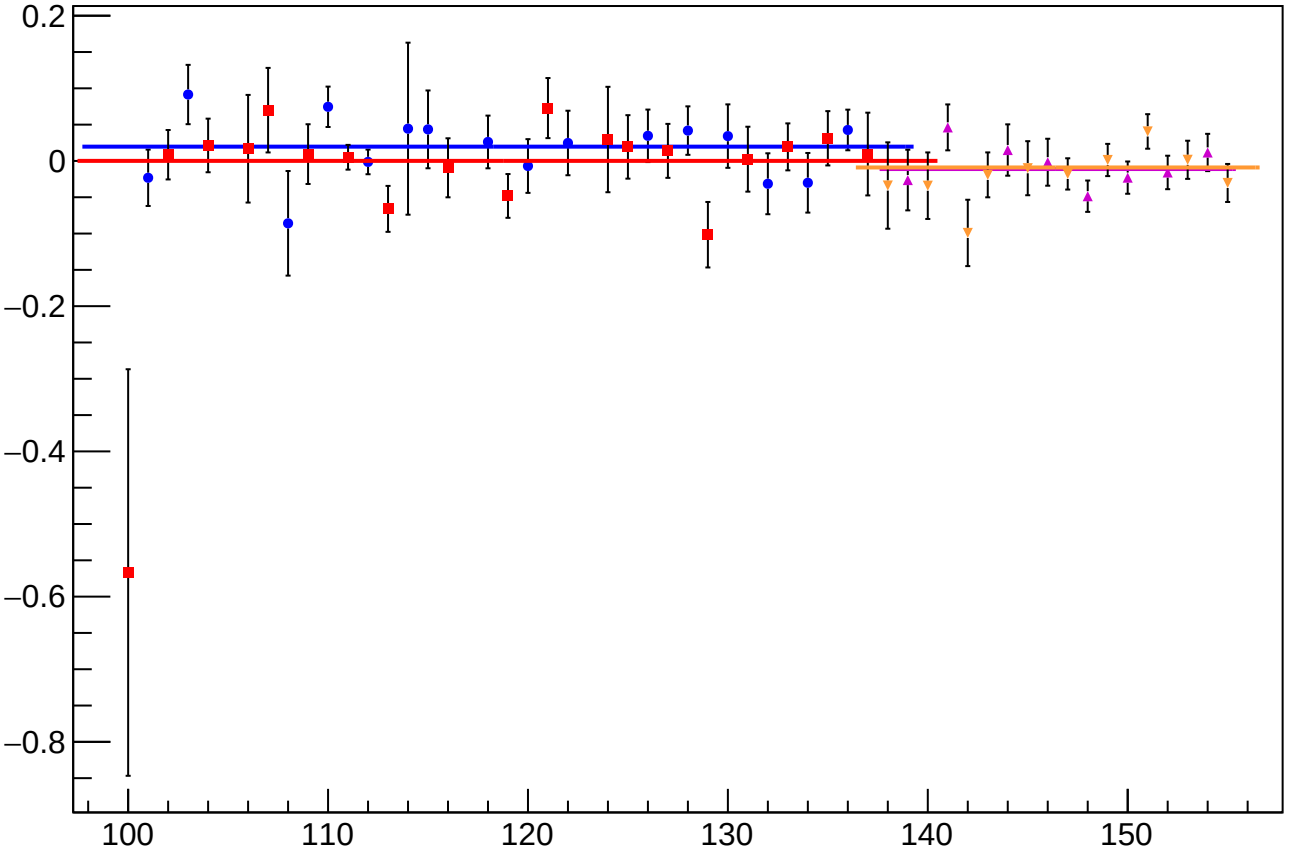
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.491+/-0.007 χ^2/NDF:591614.6/7

+ sign 22.874+/-0.004 χ^2/NDF: 2615961.7/25

All: 22.816+/-0.003 χ^2/NDF: 4637119.0/52

- sign 22.757+/-0.004 χ^2/NDF: 2020819.9/26



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.009+/-0.009 χ^2/NDF:10.0/9

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

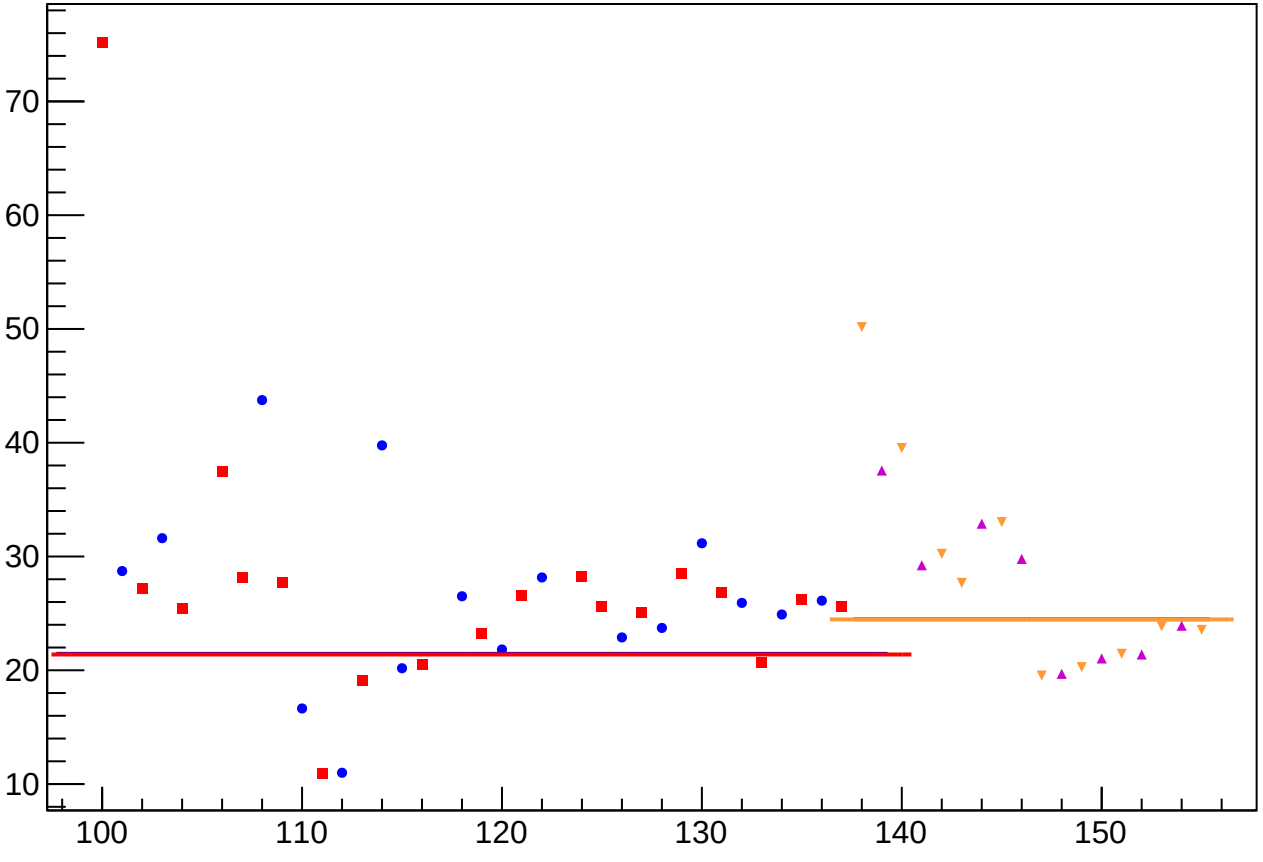
Left In: -0.011+/-0.010 χ^2/NDF:8.2/7

+ sign 0.006+/-0.006 χ^2/NDF: 32.2/25

All: 0.001+/-0.004 χ^2/NDF: 65.5/52

- sign -0.005+/-0.006 χ^2/NDF: 31.8/26

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.471+/-0.006 χ^2/NDF:960448.0/9

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

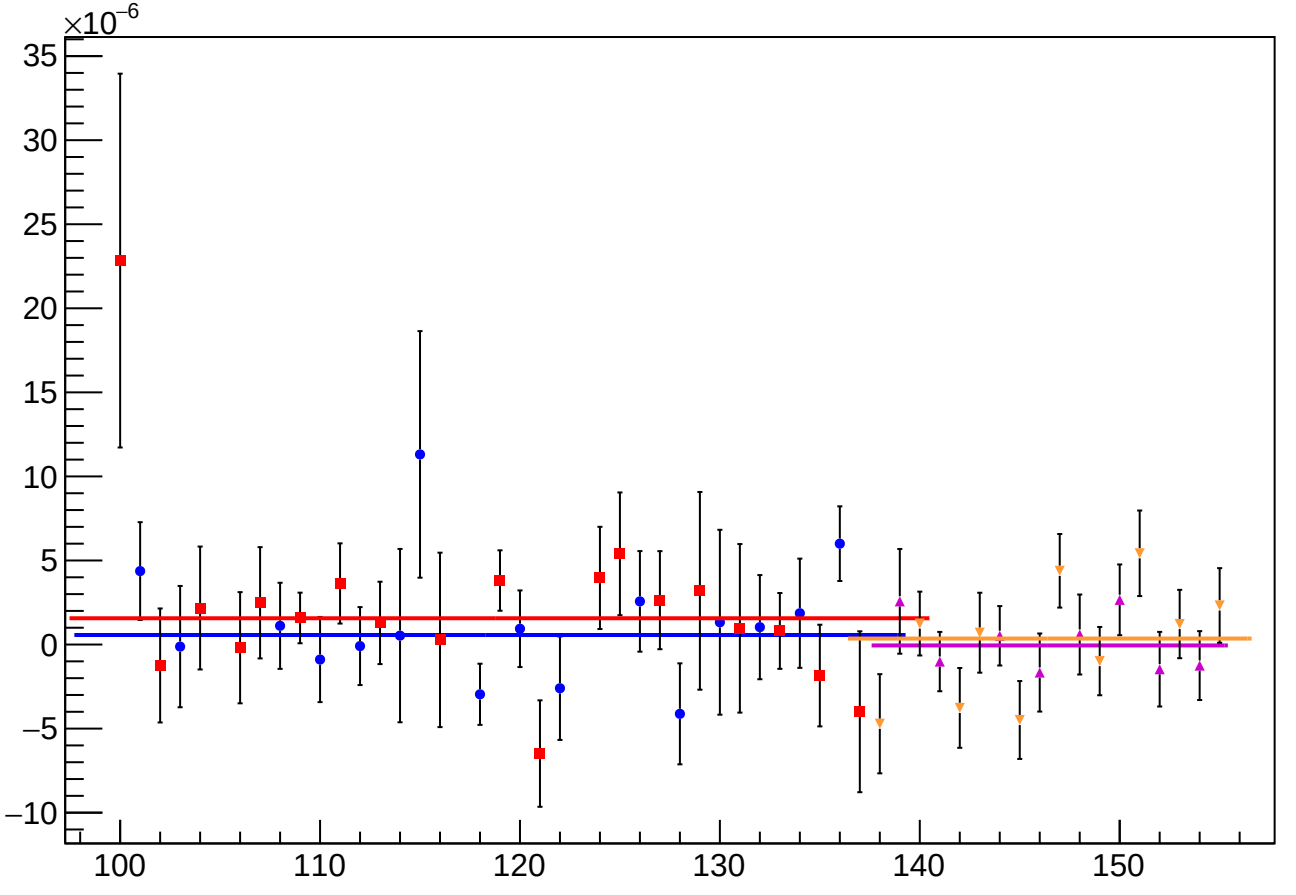
Left In: 24.491+/-0.007 χ^2/NDF:591614.6/7

+ sign 22.874+/-0.004 χ^2/NDF: 2615961.7/25

All: 22.816+/-0.003 χ^2/NDF: 4637119.0/52

- sign 22.757+/-0.004 χ^2/NDF: 2020819.9/26

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:19.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

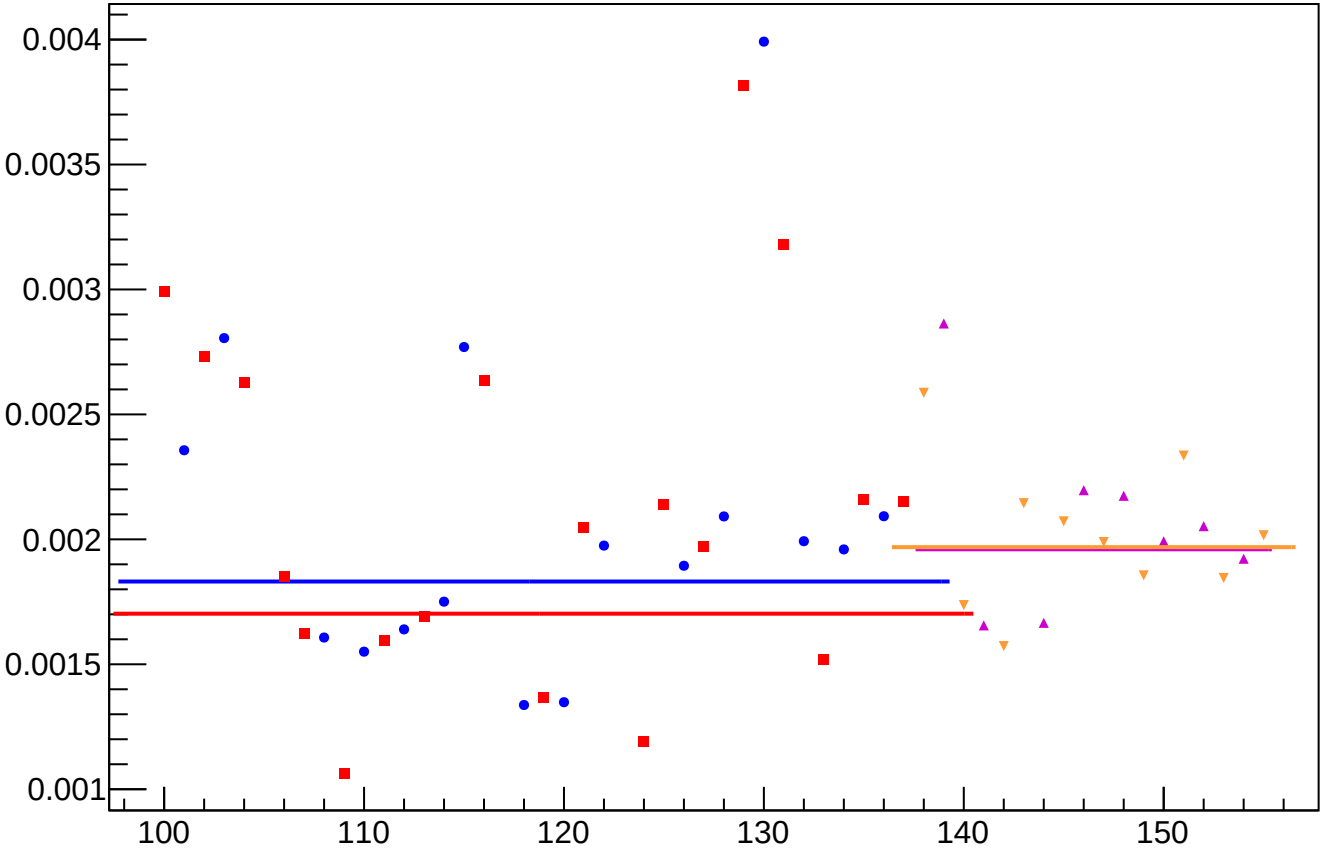
Left In: -0.000+/-0.000 χ^2/NDF:4.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 37.7/25

All: 0.000+/-0.000 χ^2/NDF: 62.9/52

- sign 0.000+/-0.000 χ^2/NDF: 25.0/26

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:244273.4/9

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

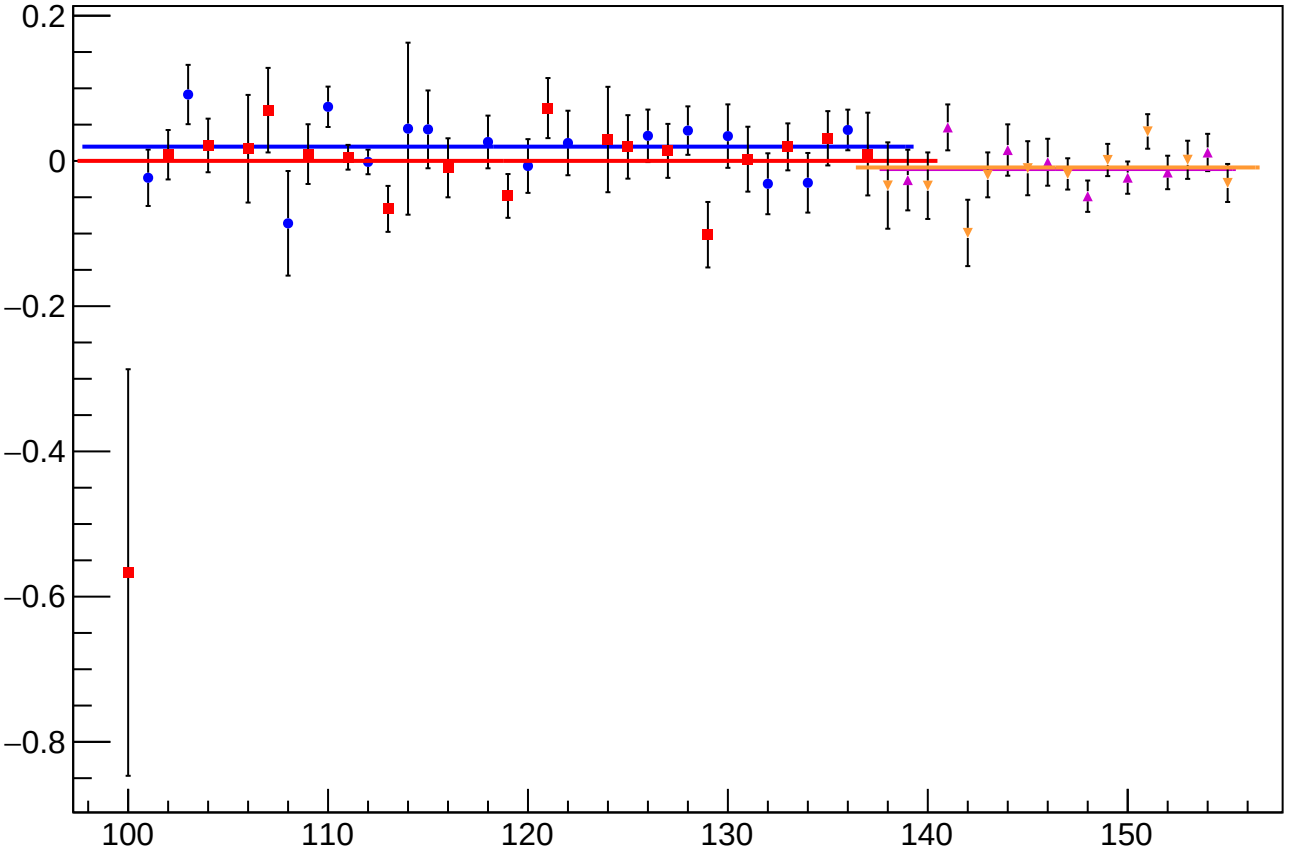
Left In: 0.002+/-0.000 χ^2/NDF:324980.9/7

+ sign 0.002+/-0.000 χ^2/NDF: 1182364.3/25

All: 0.002+/-0.000 χ^2/NDF: 3147528.7/52

- sign 0.002+/-0.000 χ^2/NDF: 1936018.2/26

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.009+/-0.009 χ^2/NDF:10.0/9

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

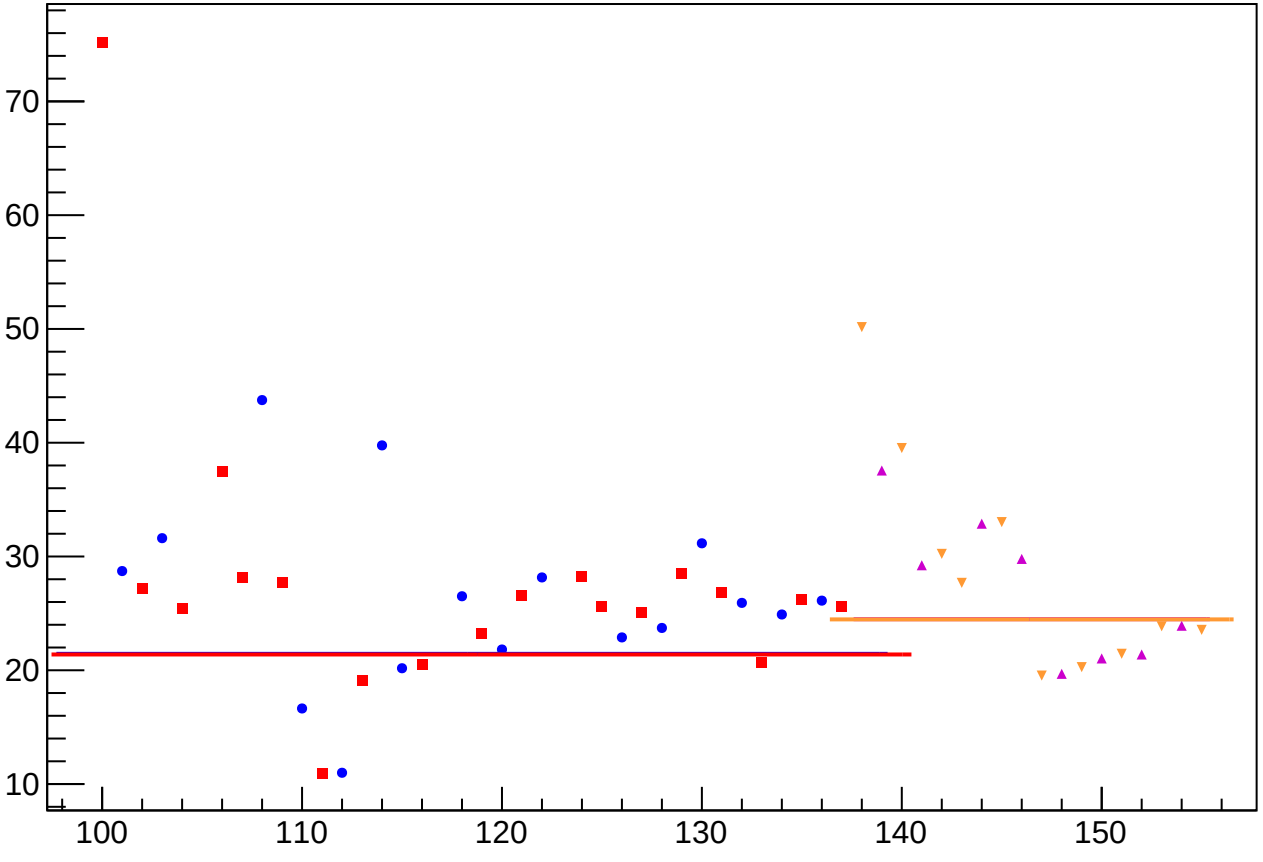
Left In: -0.011+/-0.010 χ^2/NDF:8.2/7

+ sign 0.006+/-0.006 χ^2/NDF: 32.2/25

All: 0.001+/-0.004 χ^2/NDF: 65.5/52

- sign -0.005+/-0.006 χ^2/NDF: 31.8/26

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.472+/-0.006 χ^2/NDF:960441.3/9

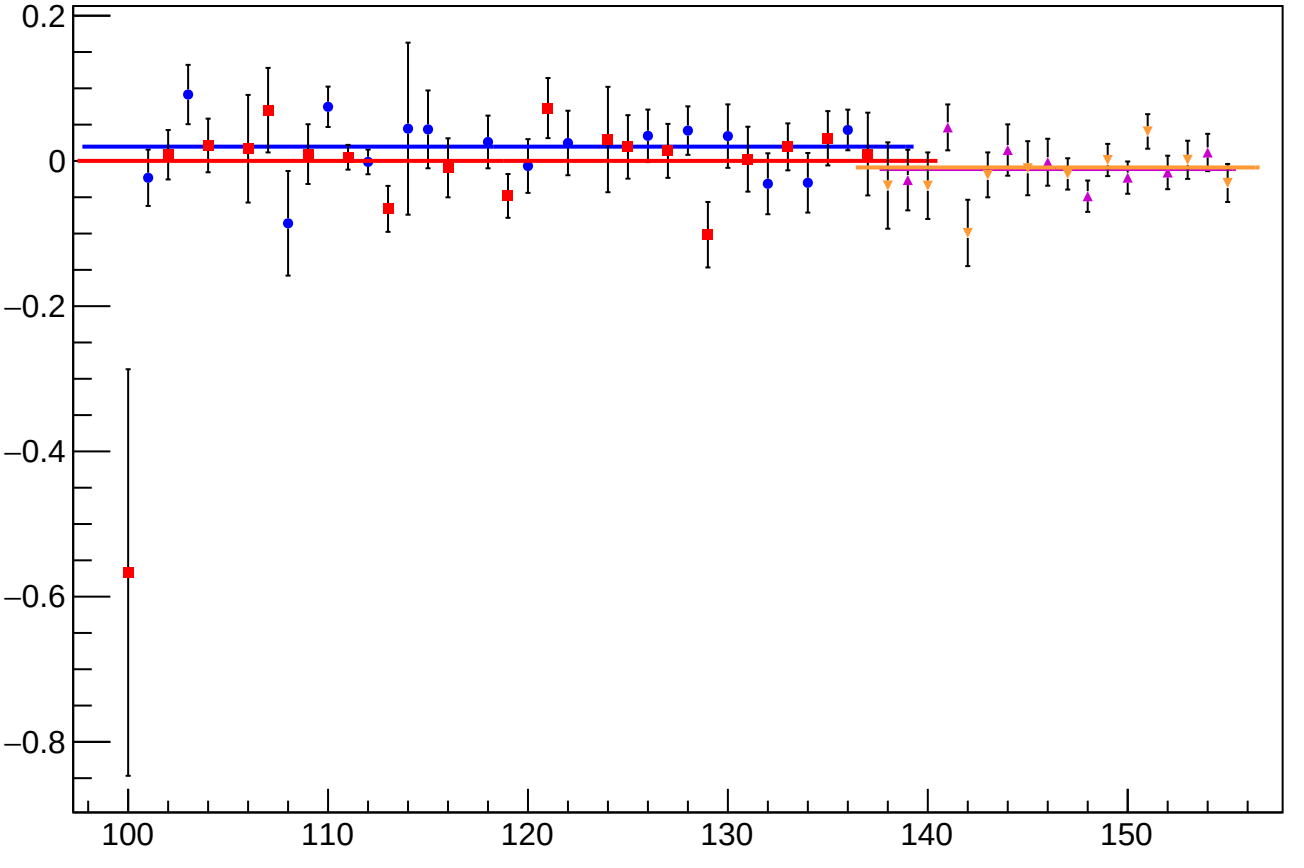
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.492+/-0.007 χ^2/NDF:591607.3/7

+ sign 22.873+/-0.004 χ^2/NDF: 2616170.5/25

All: 22.816+/-0.003 χ^2/NDF: 4637510.6/52

- sign 22.757+/-0.004 χ^2/NDF: 2021002.7/26



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.009+/-0.009 χ^2/NDF:10.0/9

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

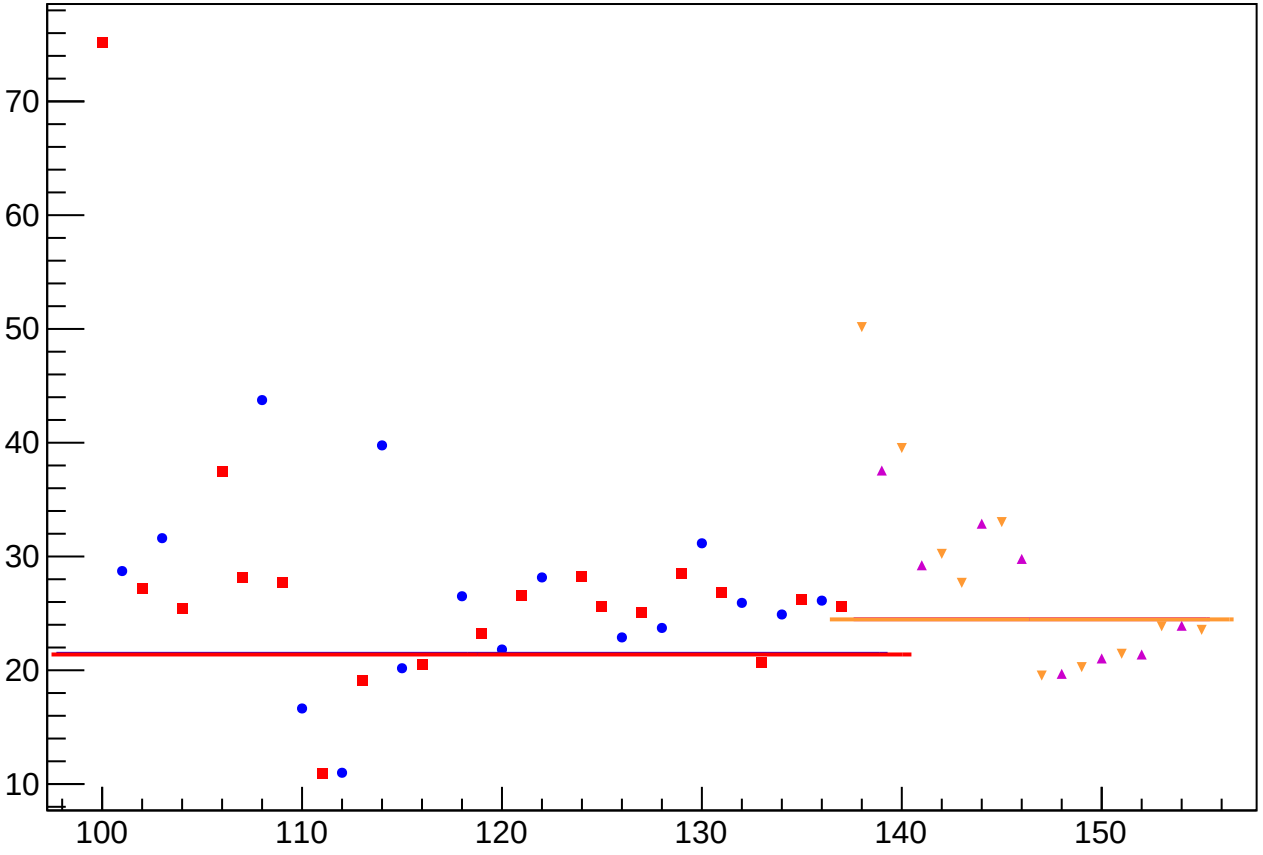
Left In: -0.011+/-0.010 χ^2/NDF:8.2/7

+ sign 0.006+/-0.006 χ^2/NDF: 32.2/25

All: 0.001+/-0.004 χ^2/NDF: 65.5/52

- sign -0.005+/-0.006 χ^2/NDF: 31.8/26

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.472+/-0.006 χ^2/NDF:960441.3/9

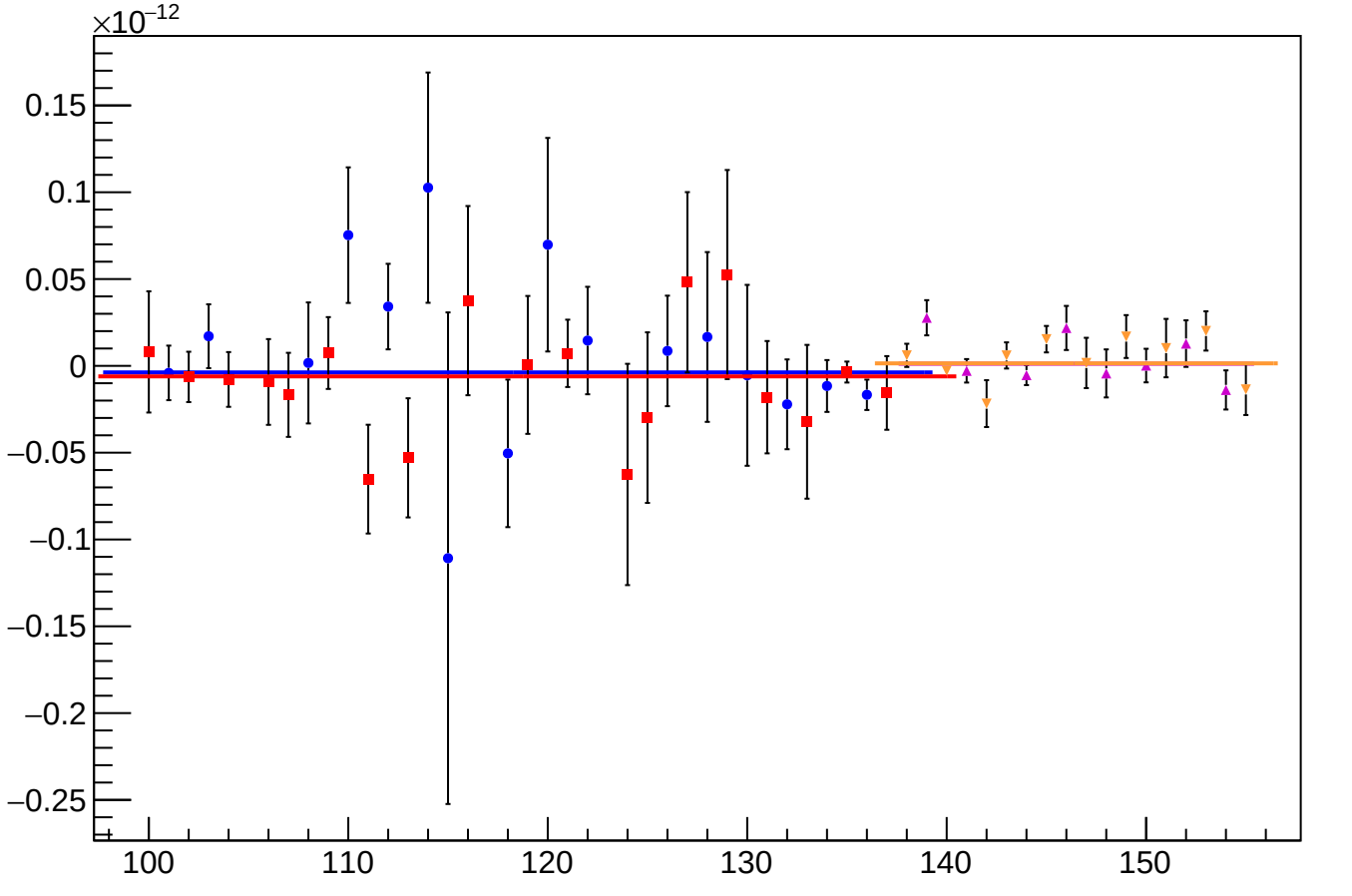
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.492+/-0.007 χ^2/NDF:591607.3/7

+ sign 22.873+/-0.004 χ^2/NDF: 2616170.5/25

All: 22.816+/-0.003 χ^2/NDF: 4637510.6/52

- sign 22.757+/-0.004 χ^2/NDF: 2021002.7/26



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

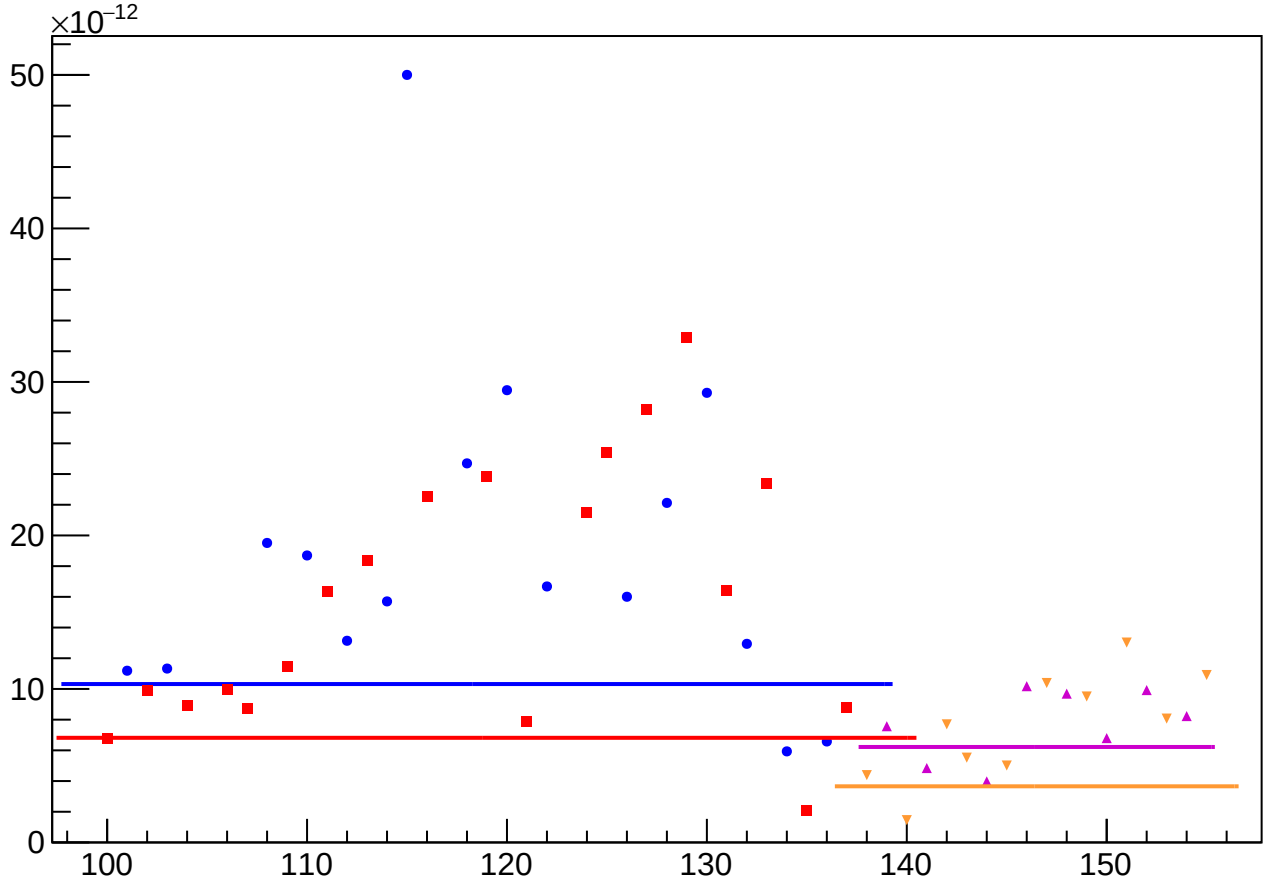
Left In: 0.000+/-0.000 χ^2/NDF:13.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/25

All: -0.000+/-0.000 χ^2/NDF: 60.2/52

- sign -0.000+/-0.000 χ^2/NDF: 27.0/26

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3849988.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

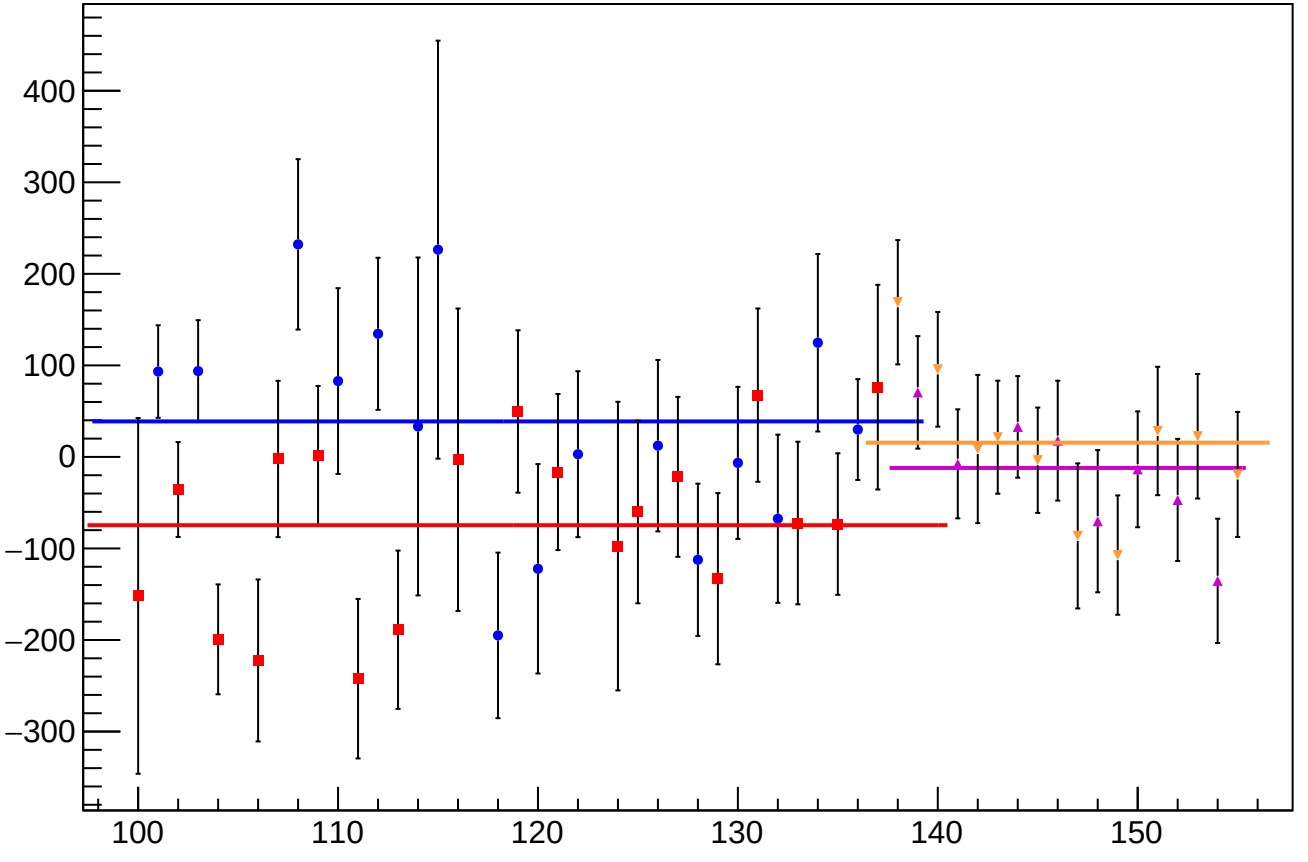
Left In: 0.000+/-0.000 χ^2/NDF:969221.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 8339936.6/25

All: 0.000+/-0.000 χ^2/NDF: 14006637.9/52

- sign 0.000+/-0.000 χ^2/NDF: 5015573.9/26

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 15.543+/-21.240 χ^2/NDF:12.4/9

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

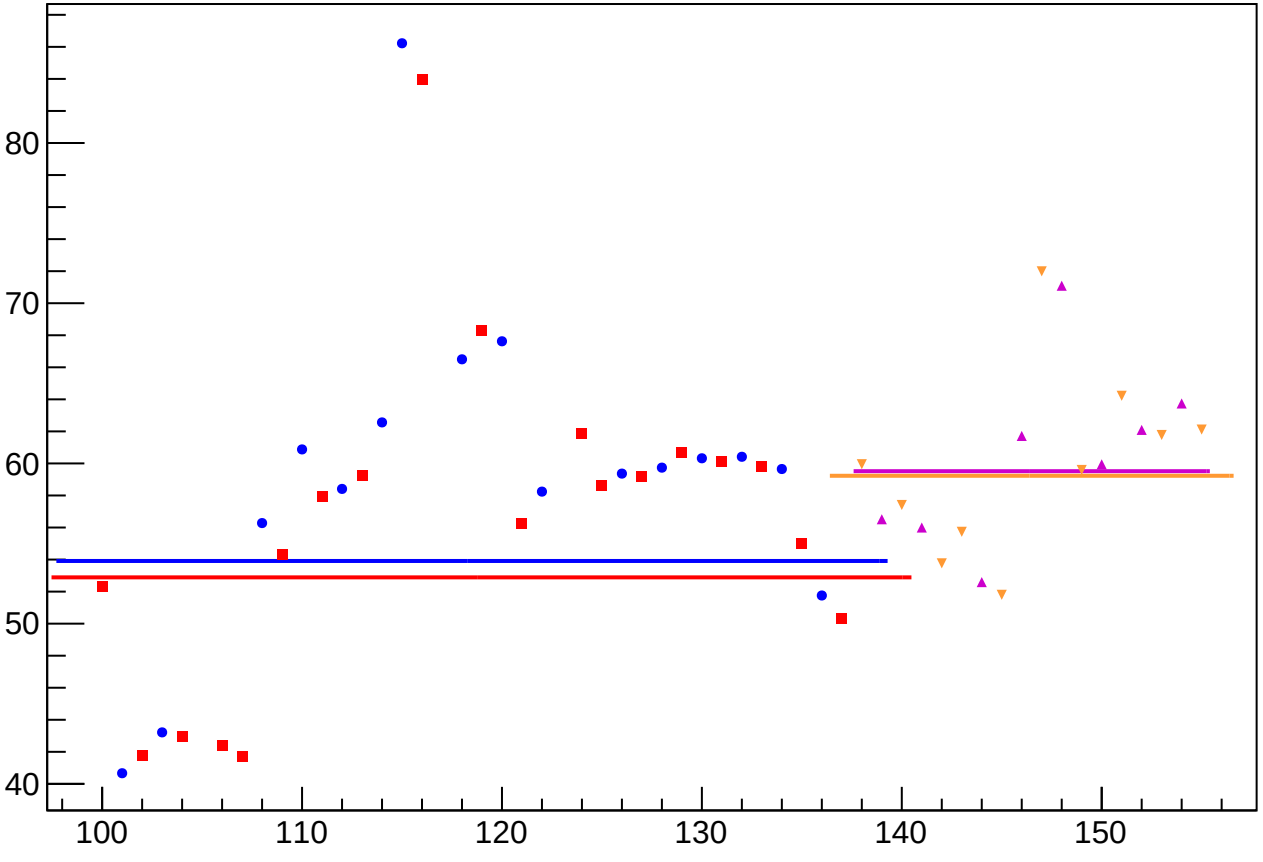
Left In: -12.028+/-22.578 χ^2/NDF:6.8/7

+ sign 27.624+/-14.718 χ^2/NDF: 36.3/25

All: -9.450+/-10.466 χ^2/NDF: 82.7/52

- sign -47.383+/-14.887 χ^2/NDF: 33.6/26

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 59.230+/-0.015 χ^2/NDF:119207.2/9

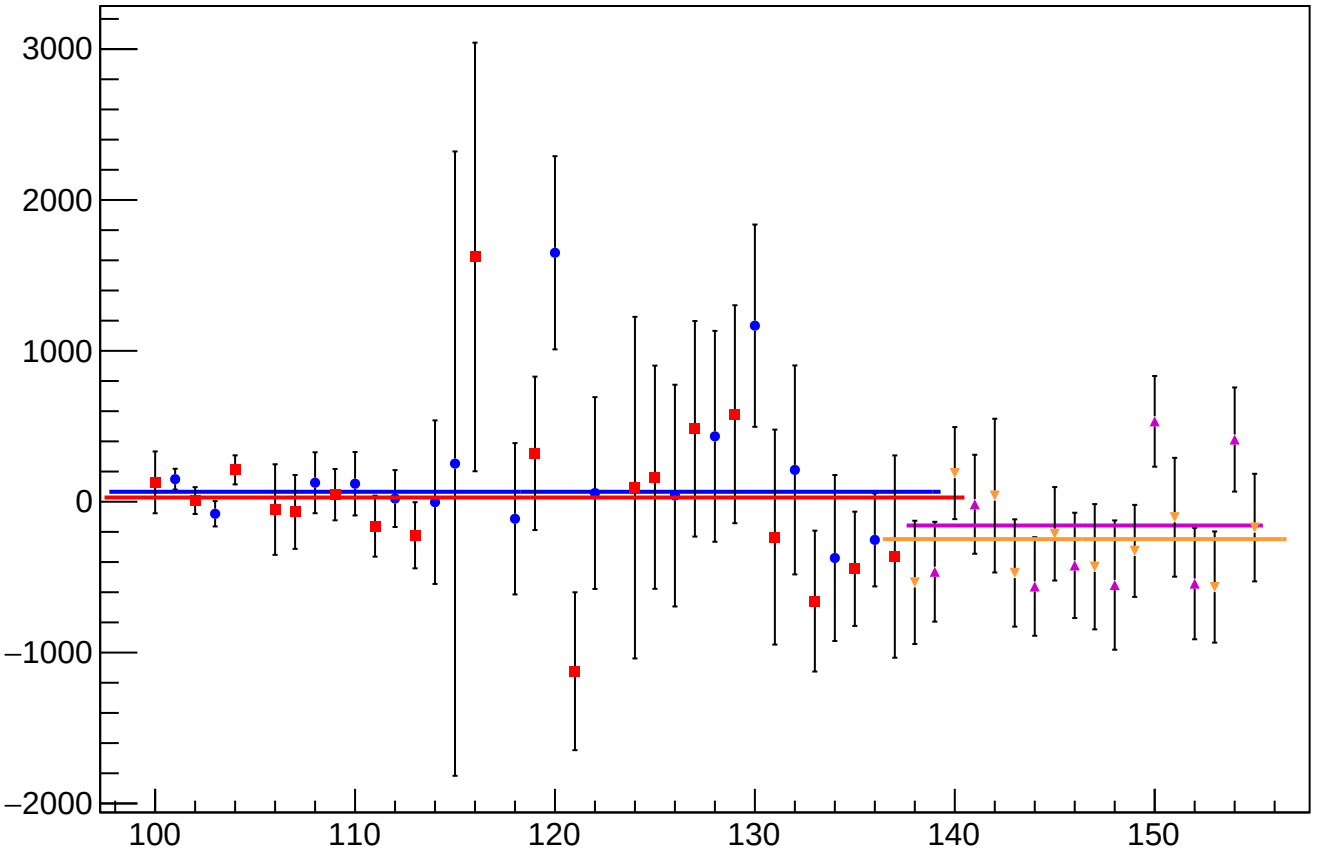
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 59.516+/-0.016 χ^2/NDF:100361.3/7

+ sign 56.465+/-0.010 χ^2/NDF: 577633.4/25

All: 56.122+/-0.007 χ^2/NDF: 1202824.2/52

- sign 55.770+/-0.011 χ^2/NDF: 622985.0/26



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -248.155+/-113.852 χ^2/NDF:4.5/9

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

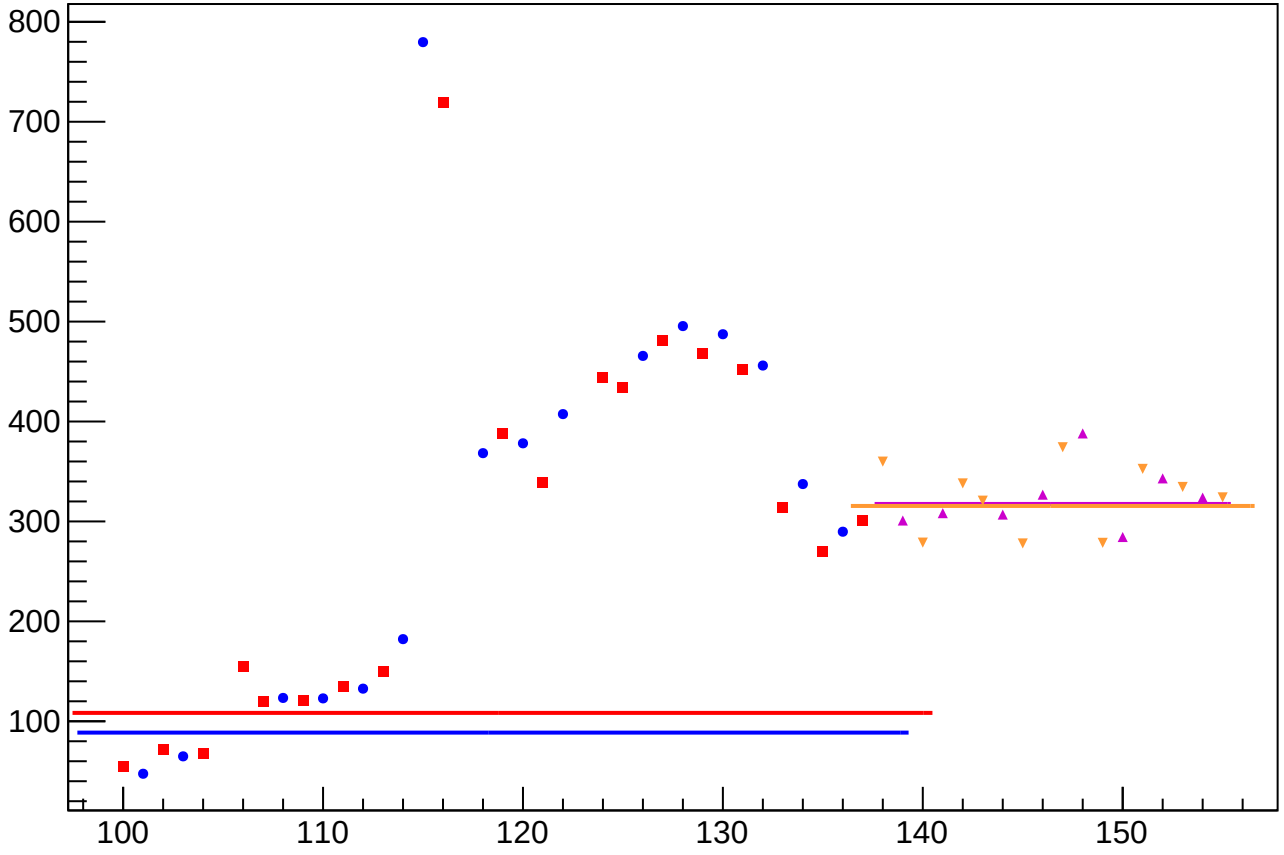
Left In: -157.708+/-121.044 χ^2/NDF:13.1/7

+ sign 20.997+/-43.031 χ^2/NDF: 26.7/25

All: 11.544+/-31.565 χ^2/NDF: 59.9/52

- sign 0.534+/-46.442 χ^2/NDF: 33.1/26

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 315.489+/-0.081 χ^2/NDF:179796.1/9

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

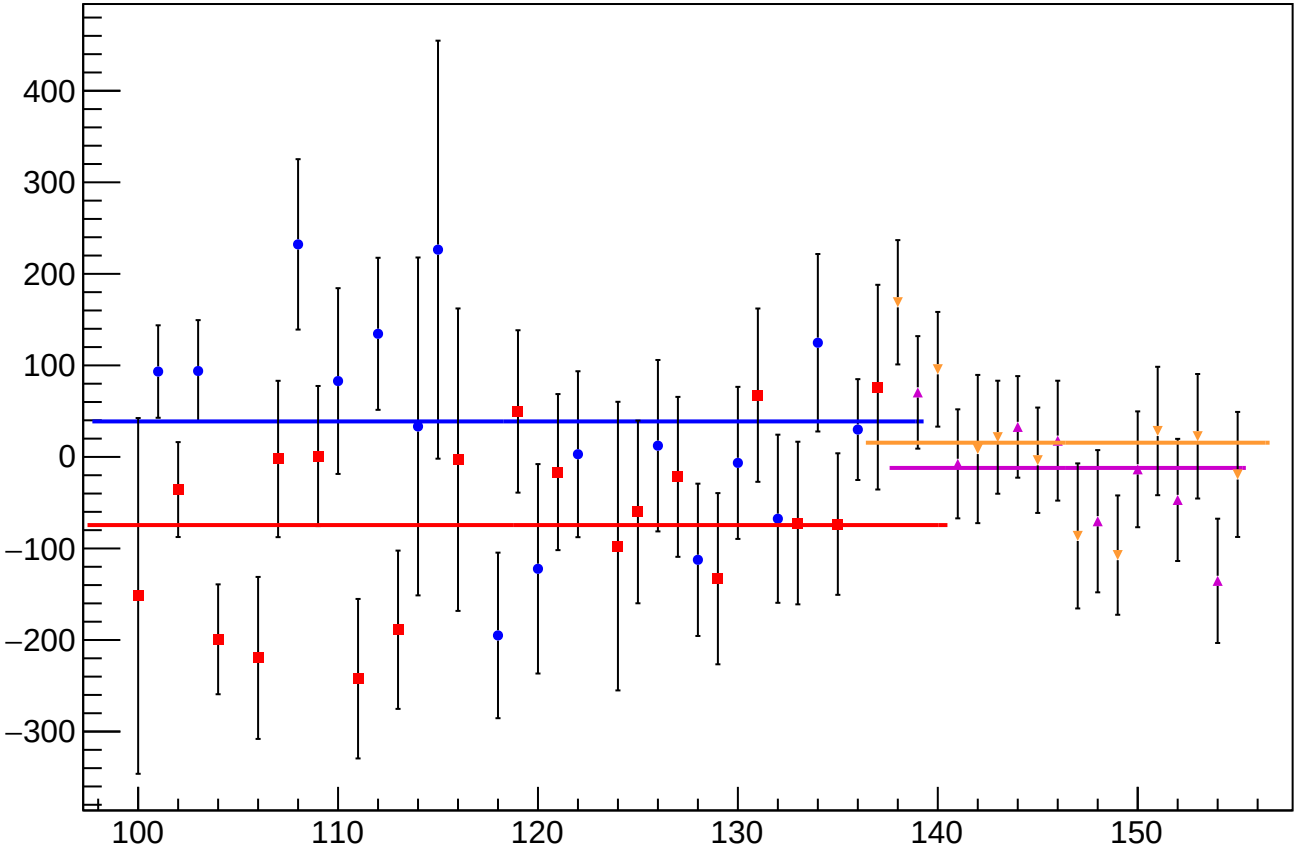
Left In: 317.489+/-0.086 χ^2/NDF:98880.5/7

+ sign 121.061+/-0.030 χ^2/NDF: 13632585.4/25

All: 129.425+/-0.022 χ^2/NDF: 24347791.2/52

- sign 139.168+/-0.033 χ^2/NDF: 10551622.0/26

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 15.545+/-21.240 χ^2/NDF:12.4/9

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

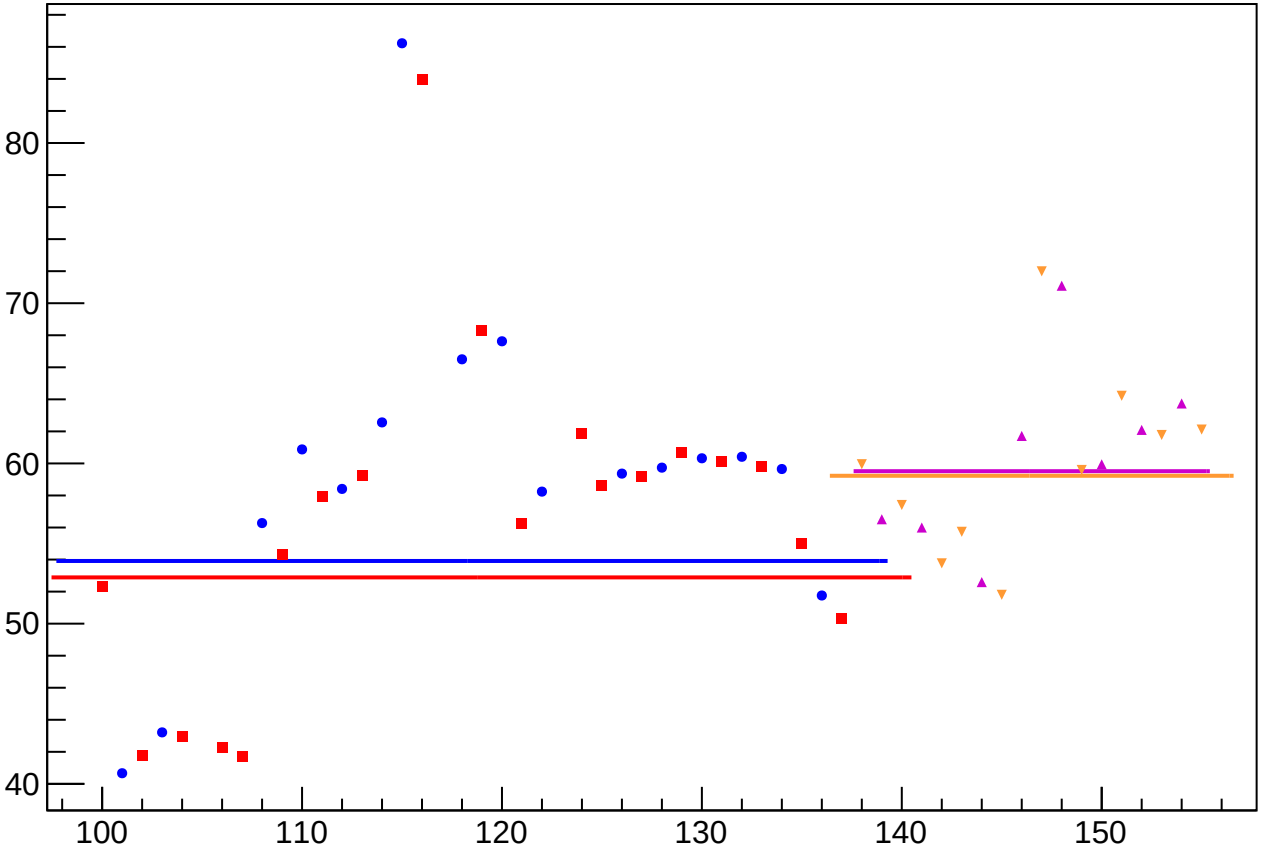
Left In: -12.026+/-22.578 χ^2/NDF:6.8/7

+ sign 27.631+/-14.718 χ^2/NDF: 36.3/25

All: -9.406+/-10.467 χ^2/NDF: 82.6/52

- sign -47.303+/-14.888 χ^2/NDF: 33.5/26

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.230+/-0.015 χ^2/NDF:119207.2/9

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

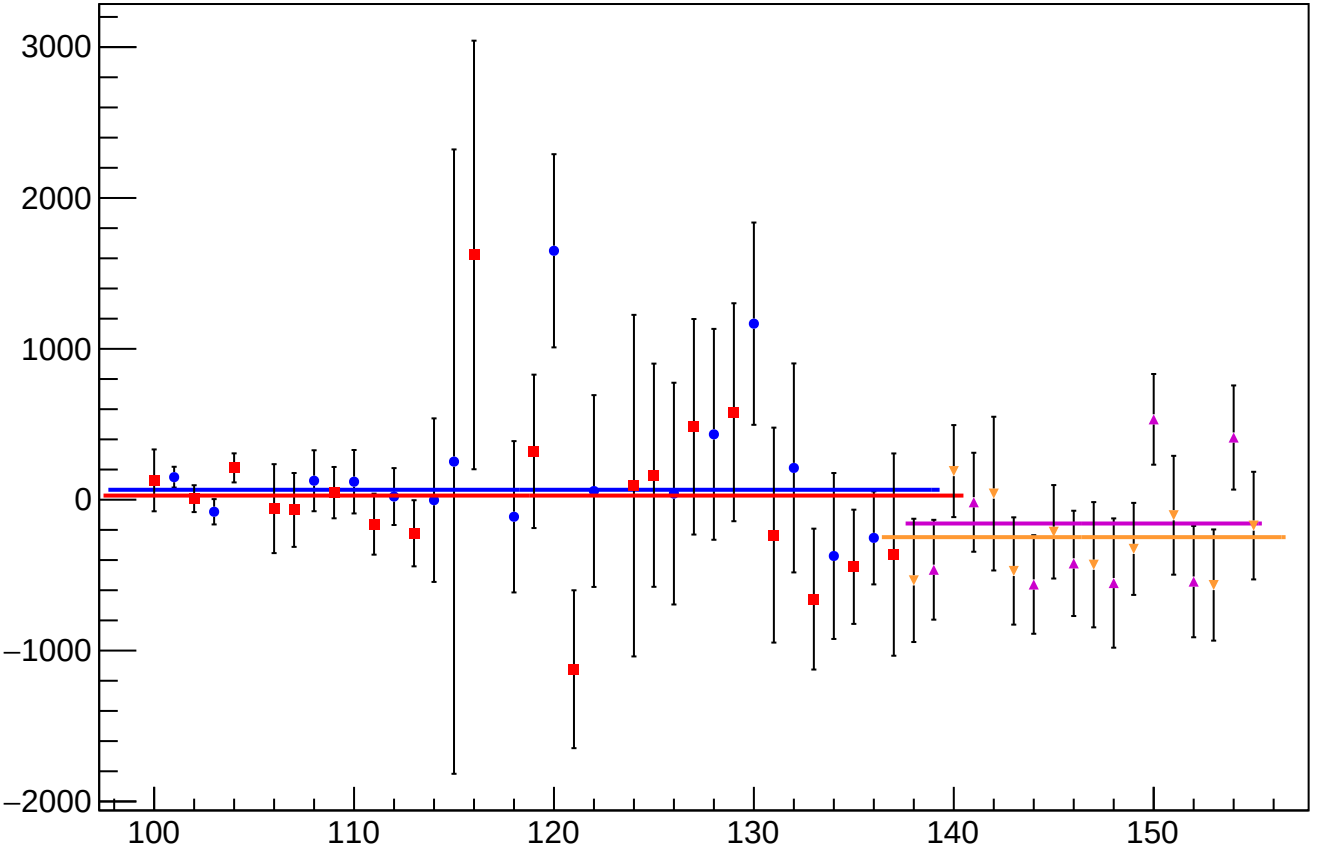
Left In: 59.516+/-0.016 χ^2/NDF:100361.3/7

+ sign 56.465+/-0.010 χ^2/NDF: 577632.6/25

All: 56.121+/-0.007 χ^2/NDF: 1203197.5/52

- sign 55.769+/-0.011 χ^2/NDF: 623352.5/26

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -248.154+/-113.852 χ^2/NDF:4.5/9

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

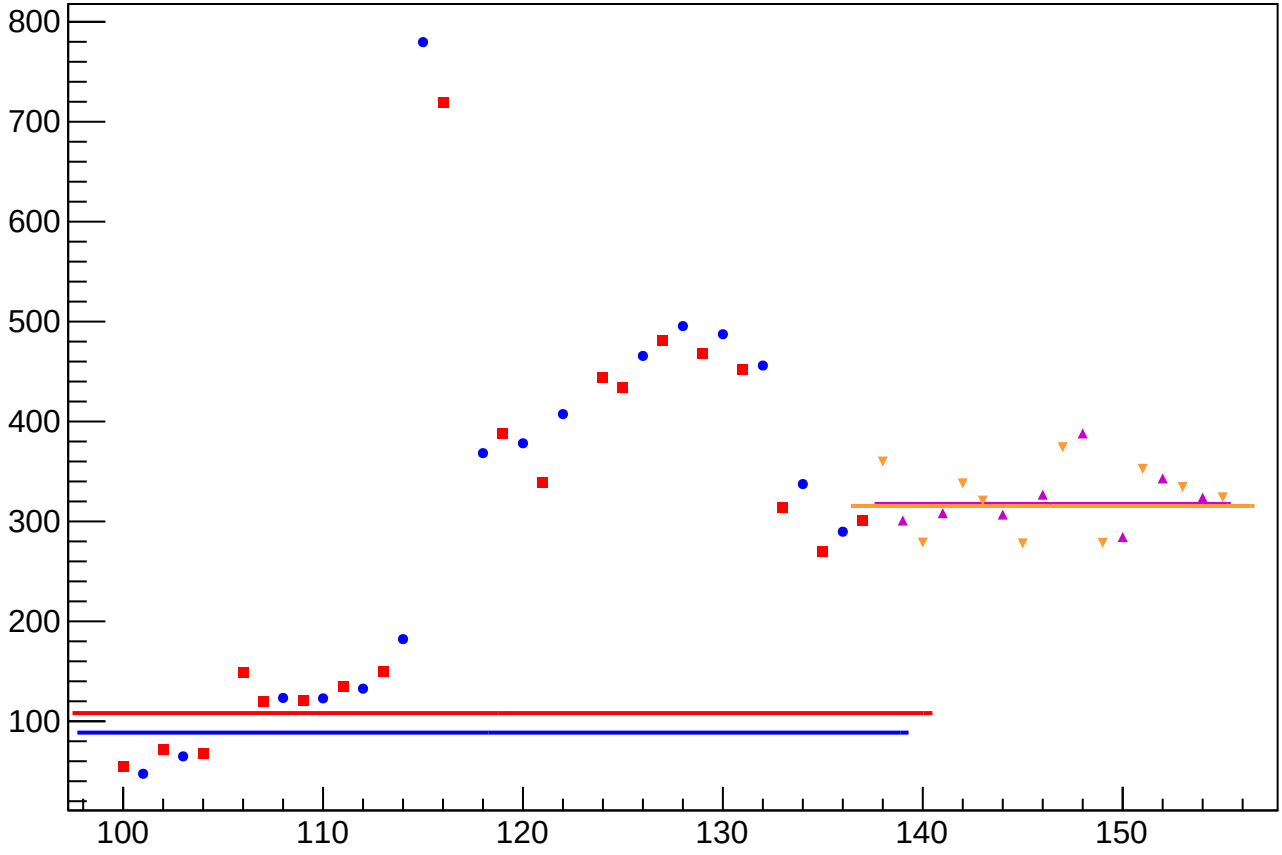
Left In: -157.705+/-121.044 χ^2/NDF:13.1/7

+ sign 21.002+/-43.030 χ^2/NDF: 26.7/25

All: 11.383+/-31.554 χ^2/NDF: 59.9/52

- sign 0.195+/-46.409 χ^2/NDF: 33.1/26

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 315.489+/-0.081 χ^2/NDF:179795.7/9

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

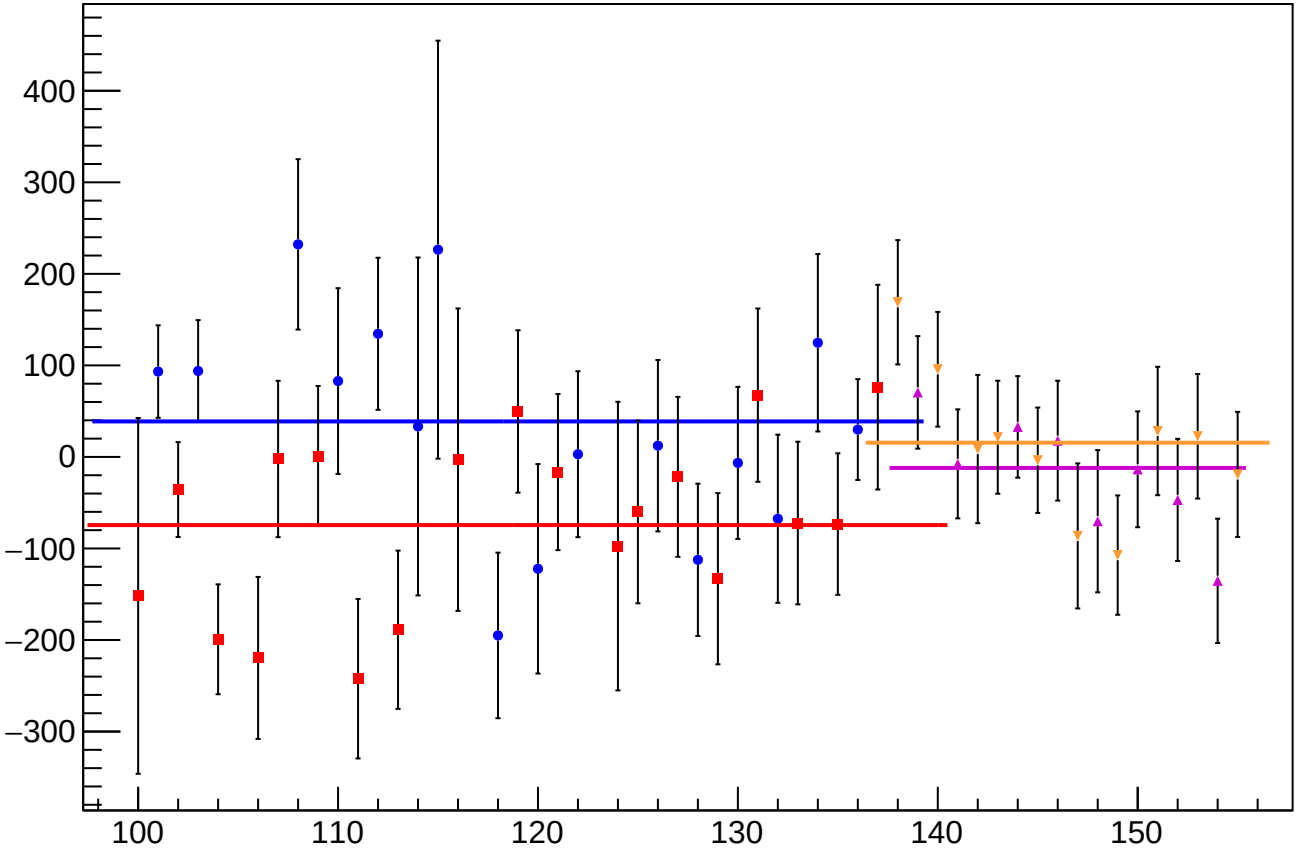
Left In: 317.489+/-0.086 χ^2/NDF:98881.9/7

+ sign 121.057+/-0.030 χ^2/NDF: 13632859.4/25

All: 129.338+/-0.022 χ^2/NDF: 24346705.5/52

- sign 138.971+/-0.033 χ^2/NDF: 10553613.3/26

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 15.545+/-21.240 χ^2/NDF:12.4/9

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

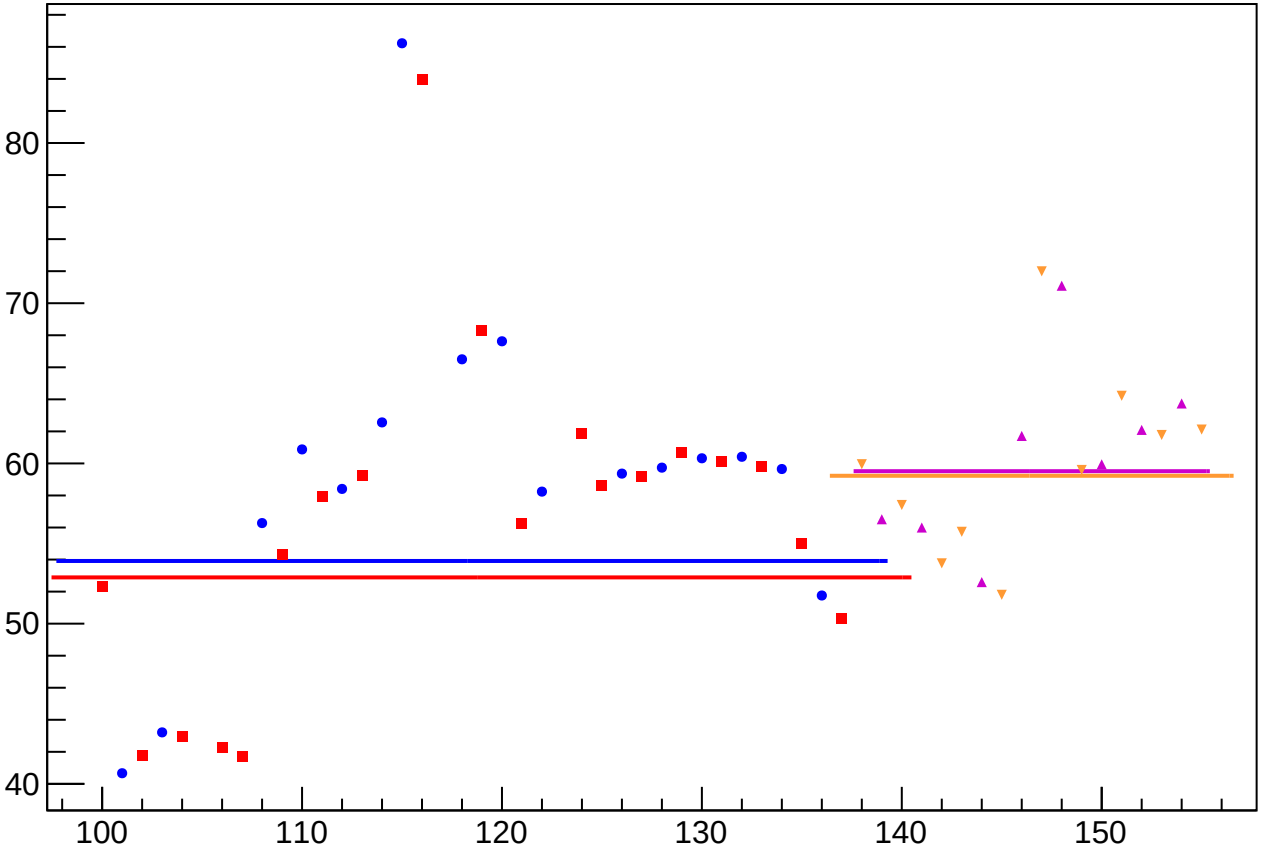
Left In: -12.026+/-22.578 χ^2/NDF:6.8/7

+ sign 27.631+/-14.718 χ^2/NDF: 36.3/25

All: -9.406+/-10.467 χ^2/NDF: 82.6/52

- sign -47.303+/-14.888 χ^2/NDF: 33.5/26

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.230+/-0.015 χ^2/NDF:119207.2/9

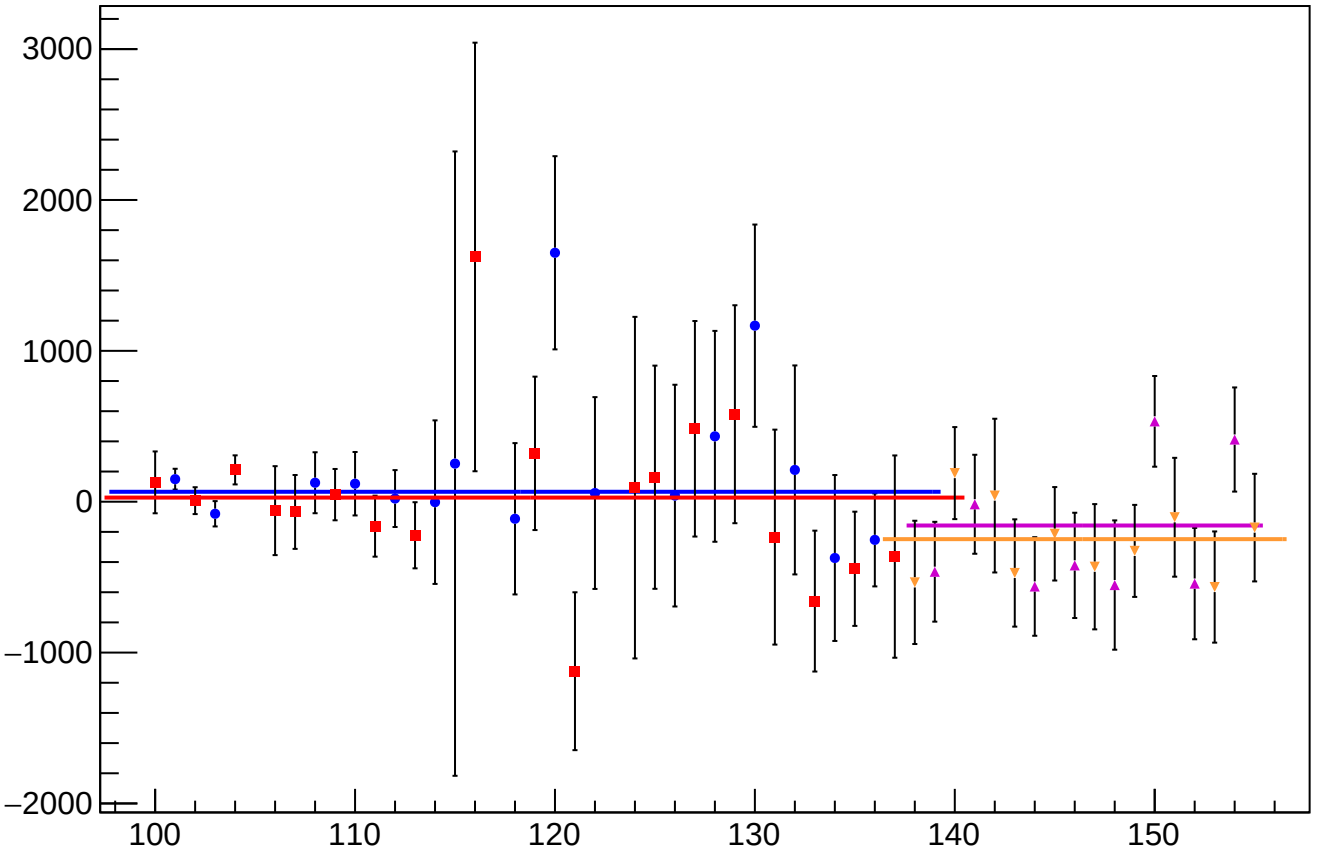
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 59.516+/-0.016 χ^2/NDF:100361.3/7

+ sign 56.465+/-0.010 χ^2/NDF: 577632.6/25

All: 56.121+/-0.007 χ^2/NDF: 1203197.5/52

- sign 55.769+/-0.011 χ^2/NDF: 623352.5/26



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -248.154+/-113.852 χ^2/NDF:4.5/9

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

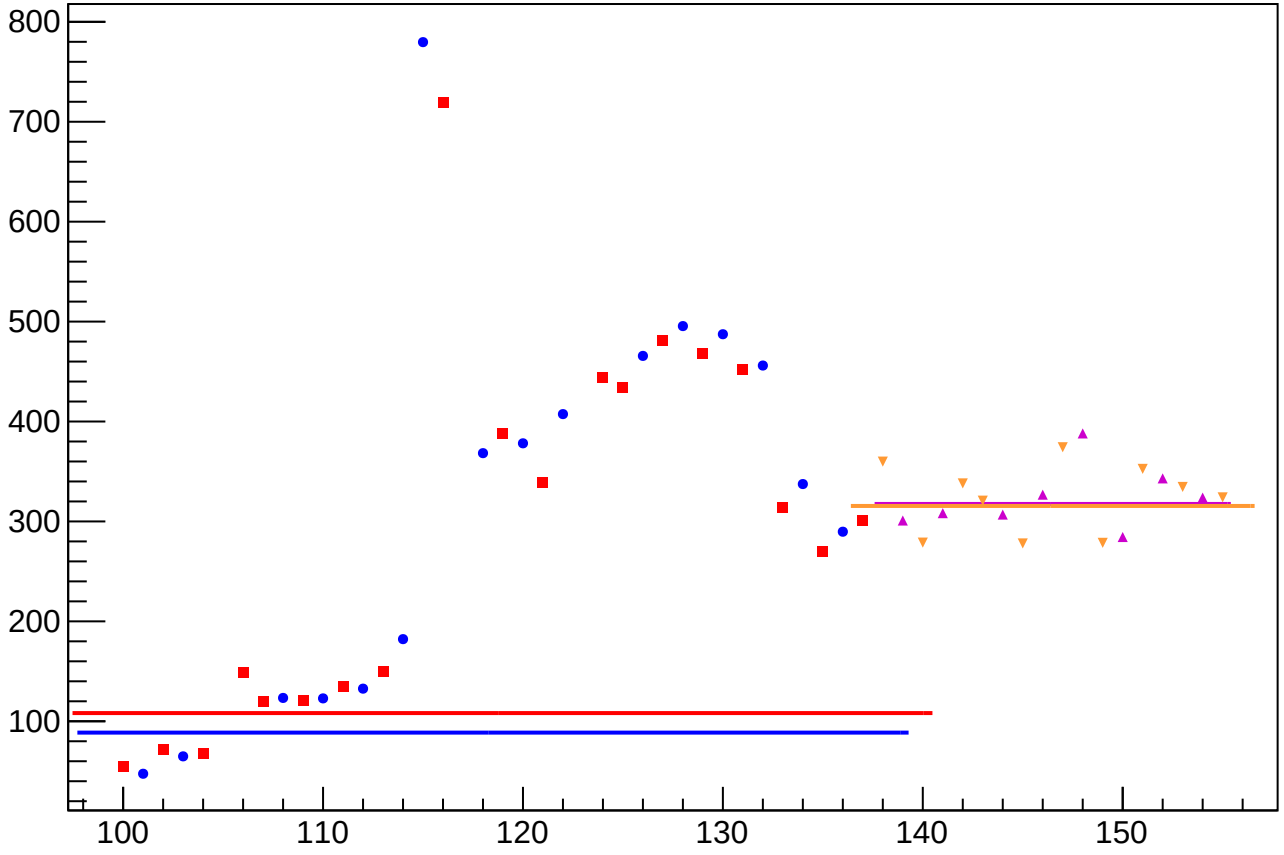
Left In: -157.705+/-121.044 χ^2/NDF:13.1/7

+ sign 21.002+/-43.030 χ^2/NDF: 26.7/25

All: 11.383+/-31.554 χ^2/NDF: 59.9/52

- sign 0.195+/-46.409 χ^2/NDF: 33.1/26

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 315.489+/-0.081 χ^2/NDF:179795.7/9

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

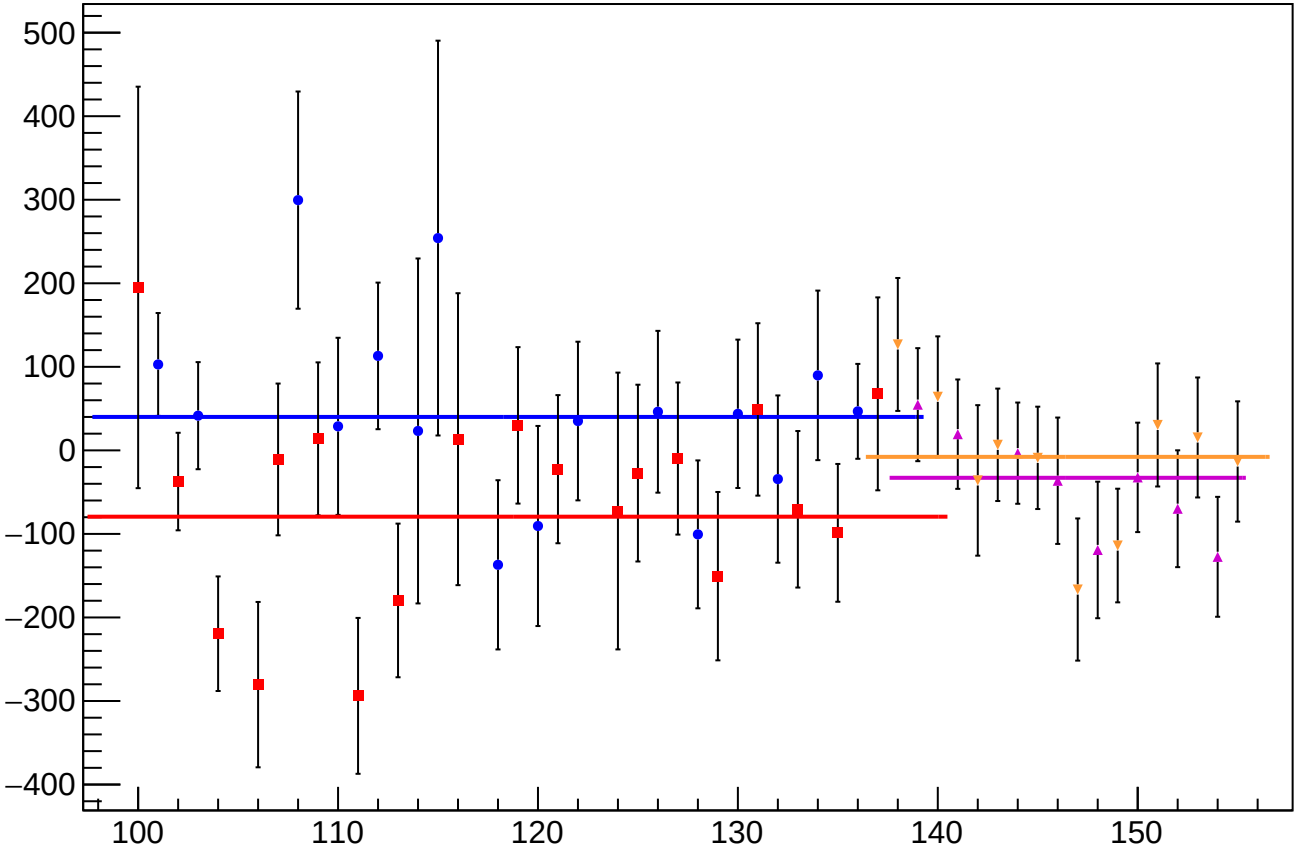
Left In: 317.489+/-0.086 χ^2/NDF:98881.9/7

+ sign 121.057+/-0.030 χ^2/NDF: 13632859.4/25

All: 129.338+/-0.022 χ^2/NDF: 24346705.5/52

- sign 138.971+/-0.033 χ^2/NDF: 10553613.3/26

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -7.771+/-23.033 χ^2/NDF:10.3/9

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

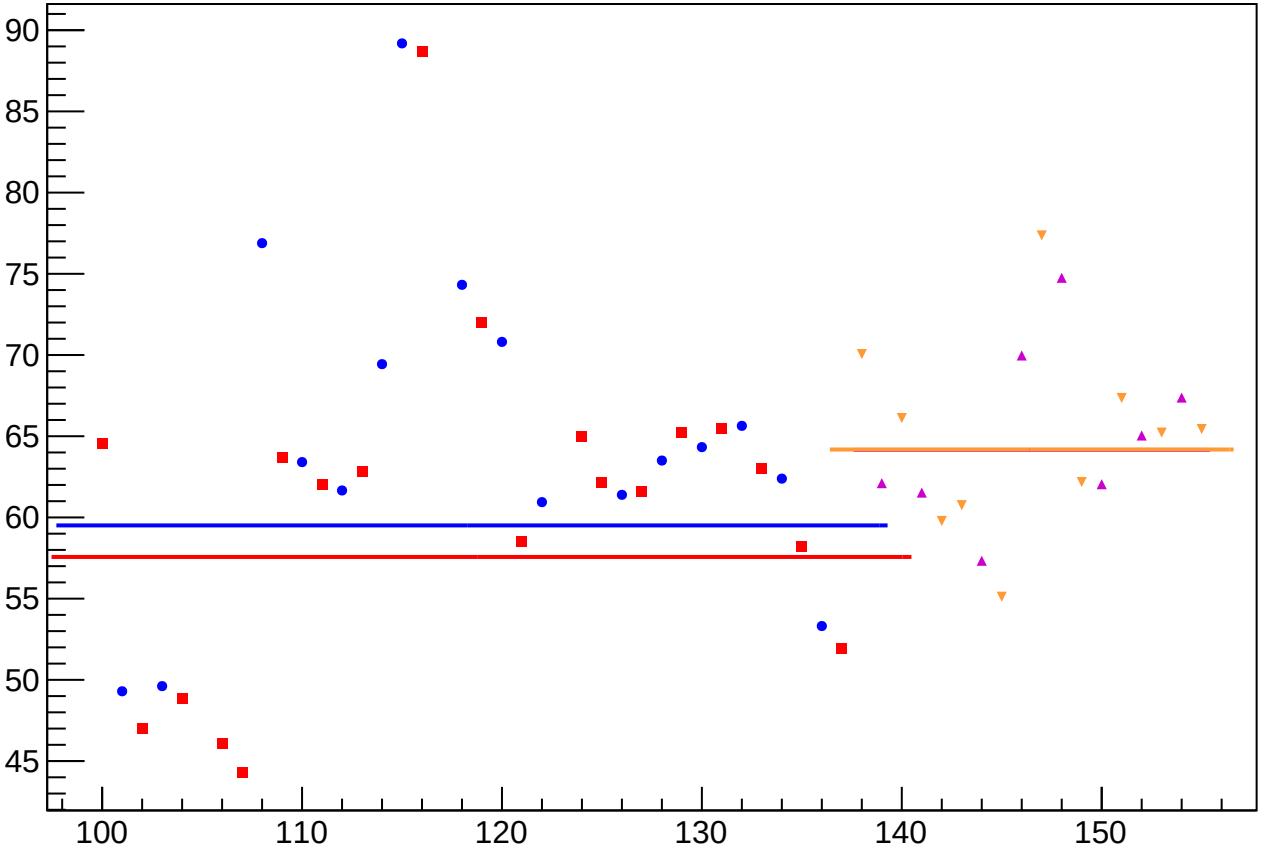
Left In: -32.831+/-24.393 χ^2/NDF:5.7/7

+ sign 16.673+/-16.100 χ^2/NDF: 26.6/25

All: -20.992+/-11.406 χ^2/NDF: 70.2/52

- sign -58.945+/-16.162 χ^2/NDF: 32.5/26

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.182+/-0.016 χ^2/NDF:120558.9/9

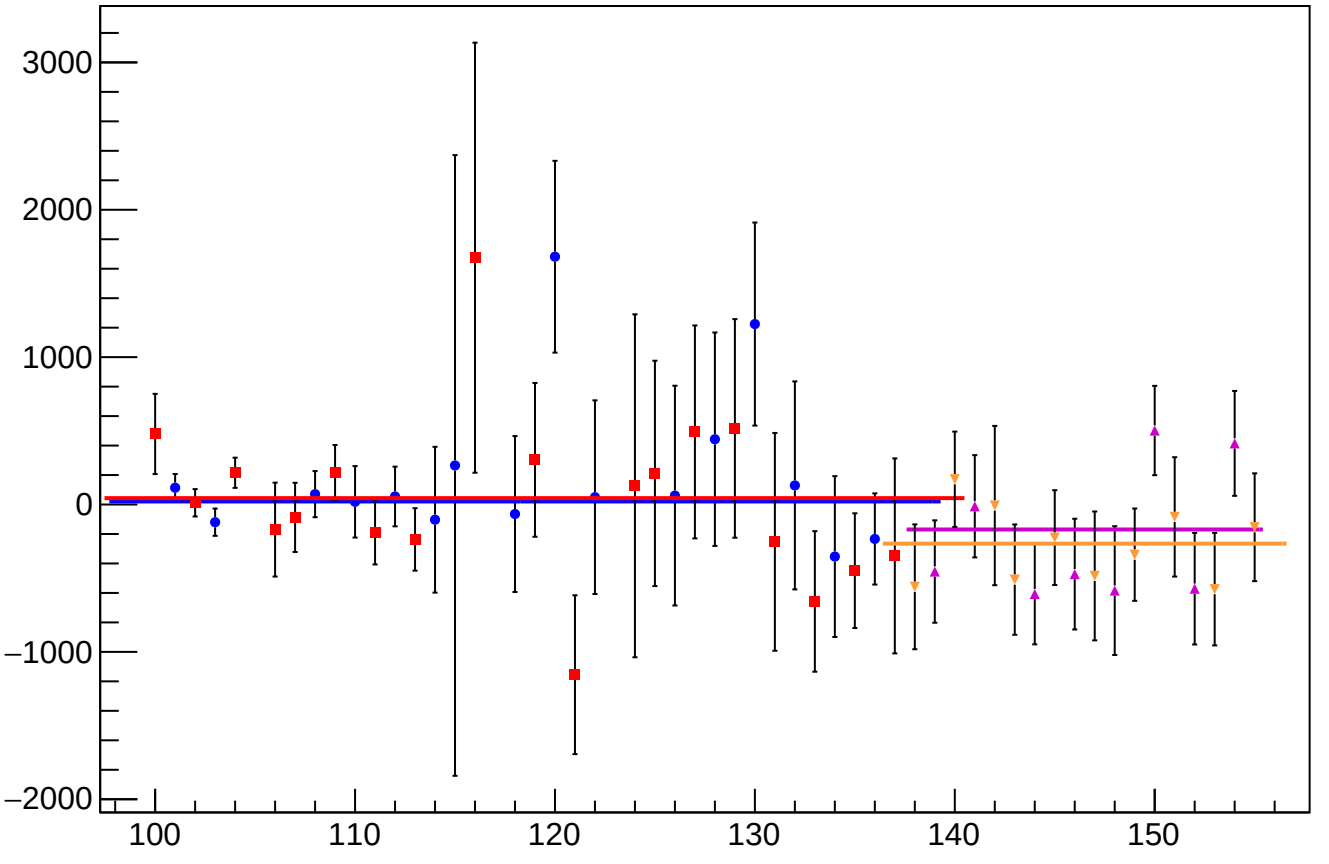
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 64.157+/-0.017 χ^2/NDF:82316.8/7

+ sign 61.792+/-0.011 χ^2/NDF: 445857.6/25

All: 61.128+/-0.008 χ^2/NDF: 964269.9/52

- sign 60.460+/-0.011 χ^2/NDF: 511587.0/26



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -265.513+/-118.512 χ^2/NDF:4.2/9

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

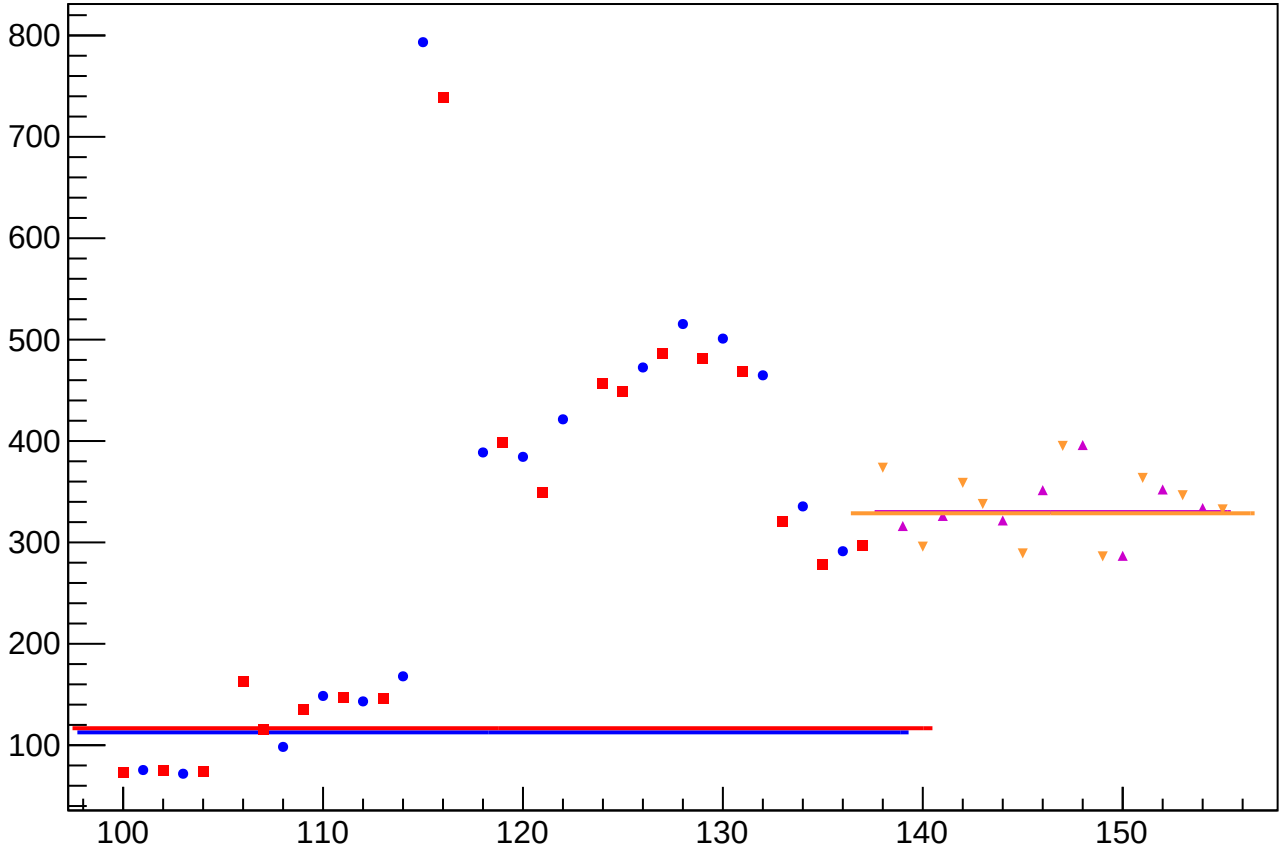
Left In: -169.427+/-125.754 χ^2/NDF:12.8/7

+ sign -27.765+/-48.826 χ^2/NDF: 23.7/25

All: -8.471+/-34.588 χ^2/NDF: 60.7/52

- sign 10.965+/-49.004 χ^2/NDF: 36.7/26

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 328.718+/-0.084 χ^2/NDF:183255.6/9

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

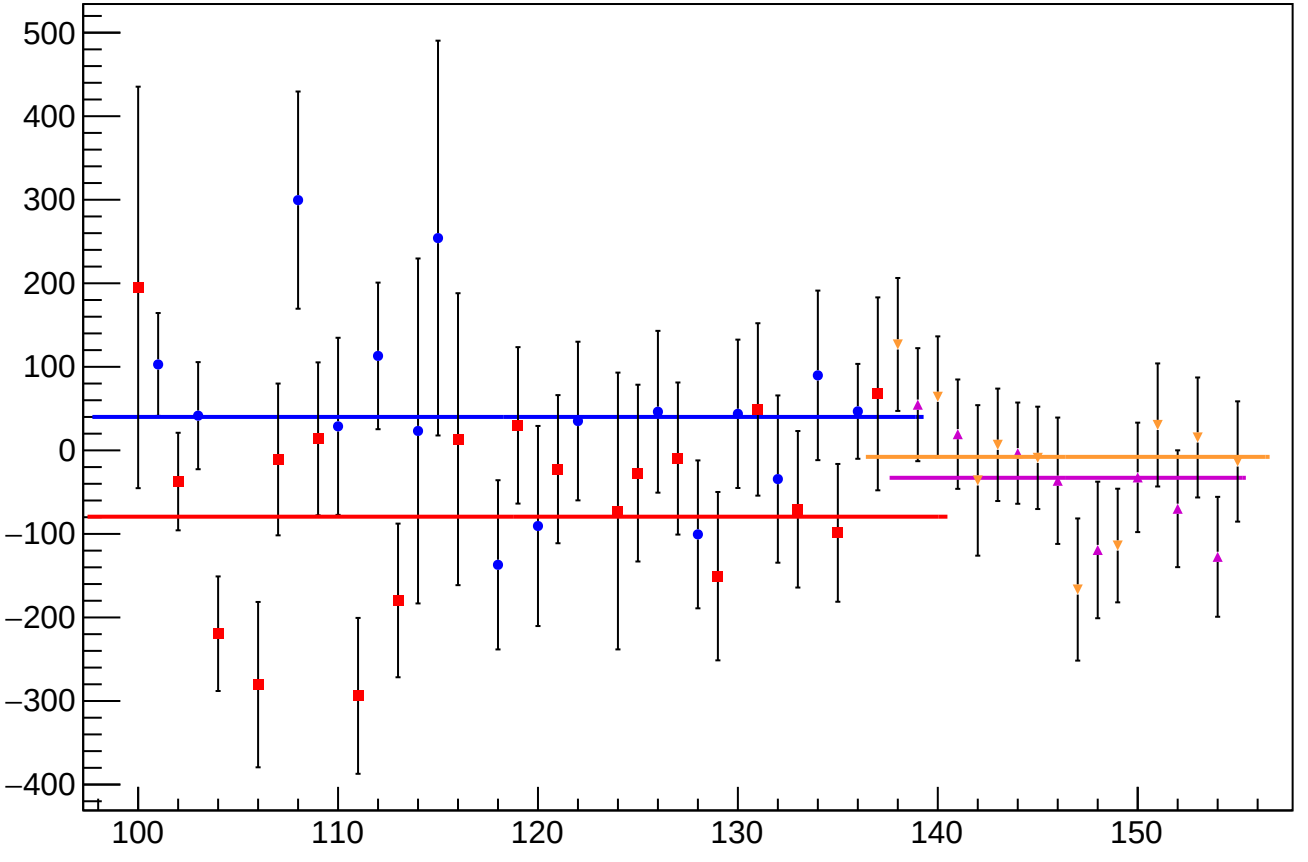
Left In: 329.941+/-0.089 χ^2/NDF:104634.2/7

+ sign 149.340+/-0.035 χ^2/NDF: 11301501.9/25

All: 149.225+/-0.024 χ^2/NDF: 21423595.3/52

- sign 149.109+/-0.035 χ^2/NDF: 10122071.0/26

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -7.771+/-23.033 χ^2/NDF:10.3/9

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

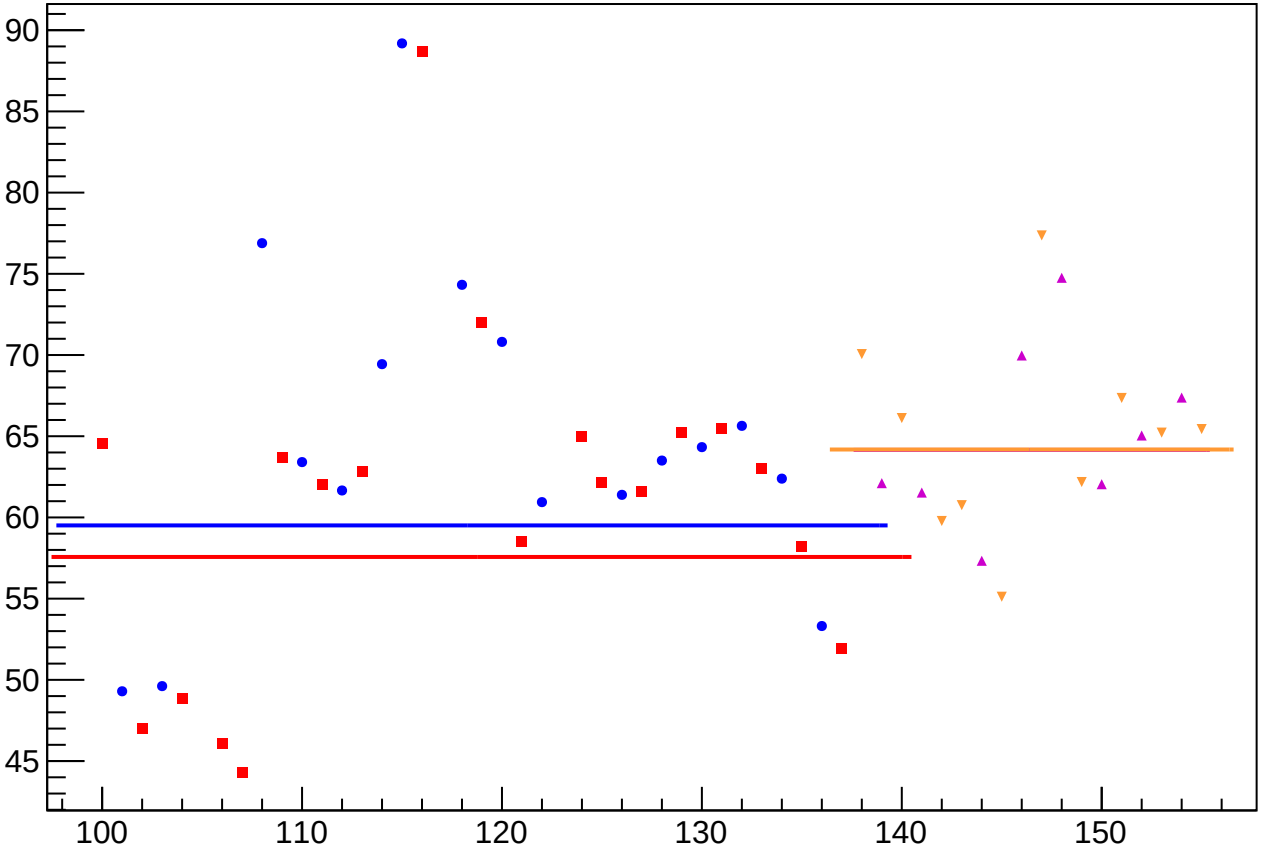
Left In: -32.831+/-24.393 χ^2/NDF:5.7/7

+ sign 16.673+/-16.100 χ^2/NDF: 26.6/25

All: -20.992+/-11.406 χ^2/NDF: 70.2/52

- sign -58.945+/-16.162 χ^2/NDF: 32.5/26

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.182+/-0.016 χ^2/NDF:120562.4/9

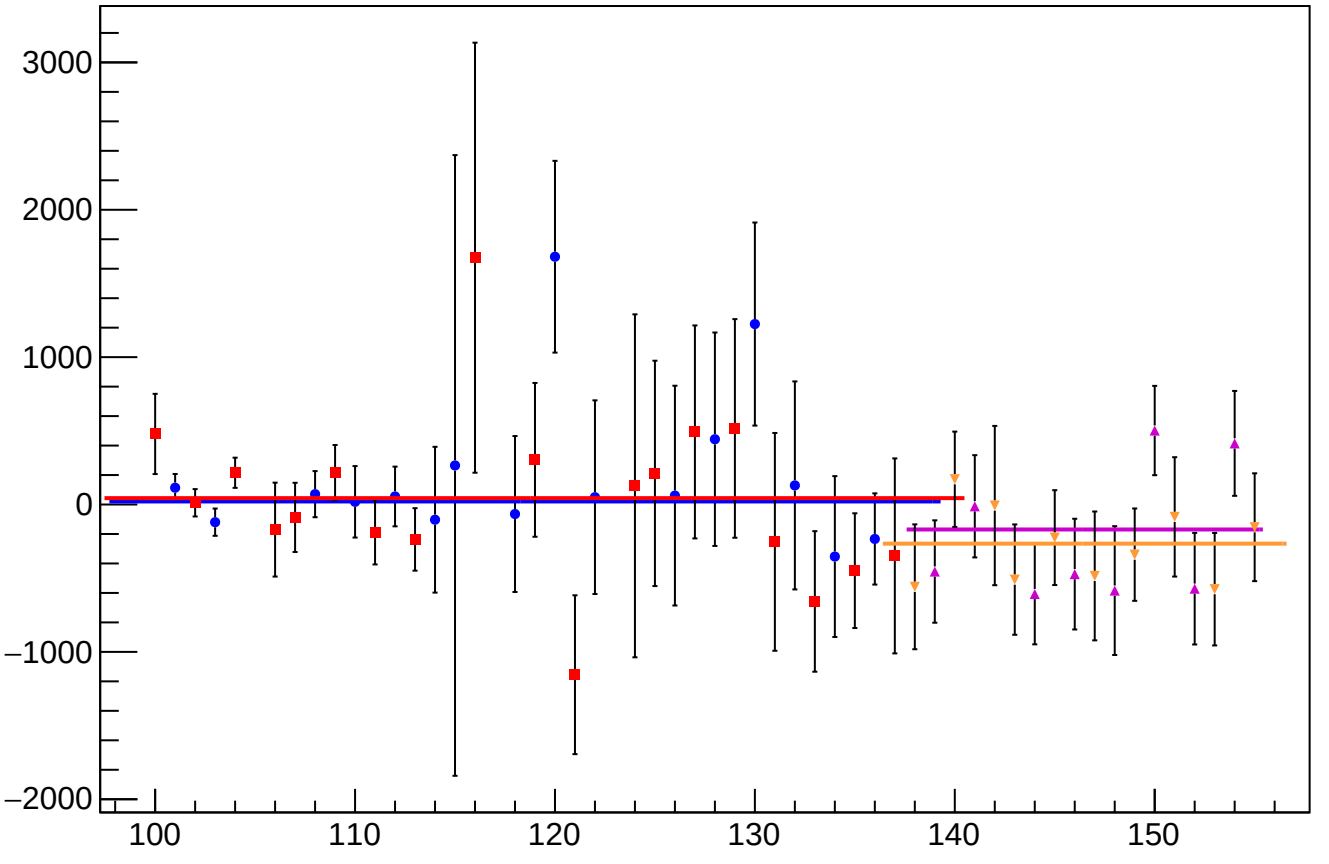
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 64.157+/-0.017 χ^2/NDF:82316.6/7

+ sign 61.792+/-0.011 χ^2/NDF: 445863.4/25

All: 61.129+/-0.008 χ^2/NDF: 964279.0/52

- sign 60.460+/-0.011 χ^2/NDF: 511590.5/26



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -265.512+/-118.512 χ^2/NDF:4.2/9

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

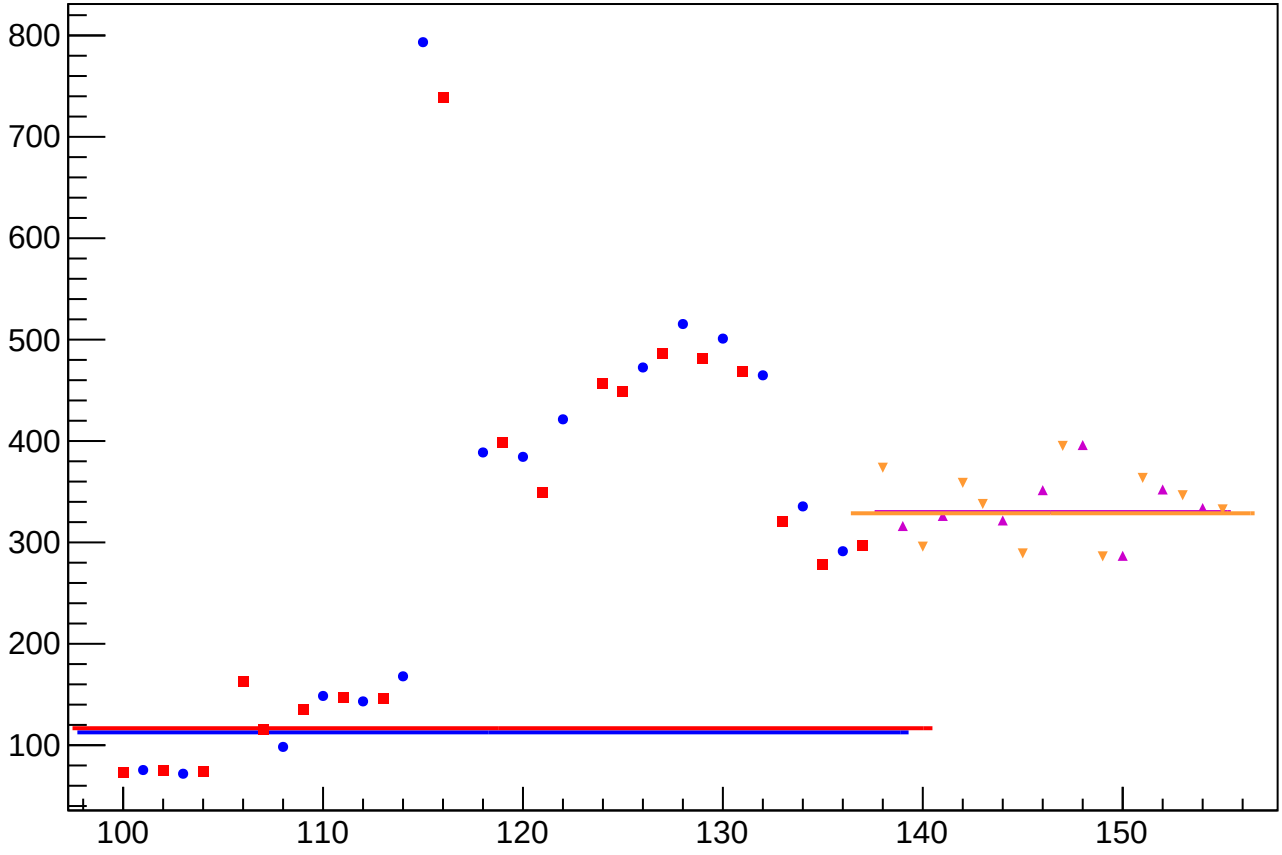
Left In: -169.428+/-125.754 χ^2/NDF:12.8/7

+ sign -27.765+/-48.826 χ^2/NDF: 23.7/25

All: -8.471+/-34.588 χ^2/NDF: 60.7/52

- sign 10.965+/-49.004 χ^2/NDF: 36.7/26

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 328.719+/-0.084 χ^2/NDF:183256.0/9

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

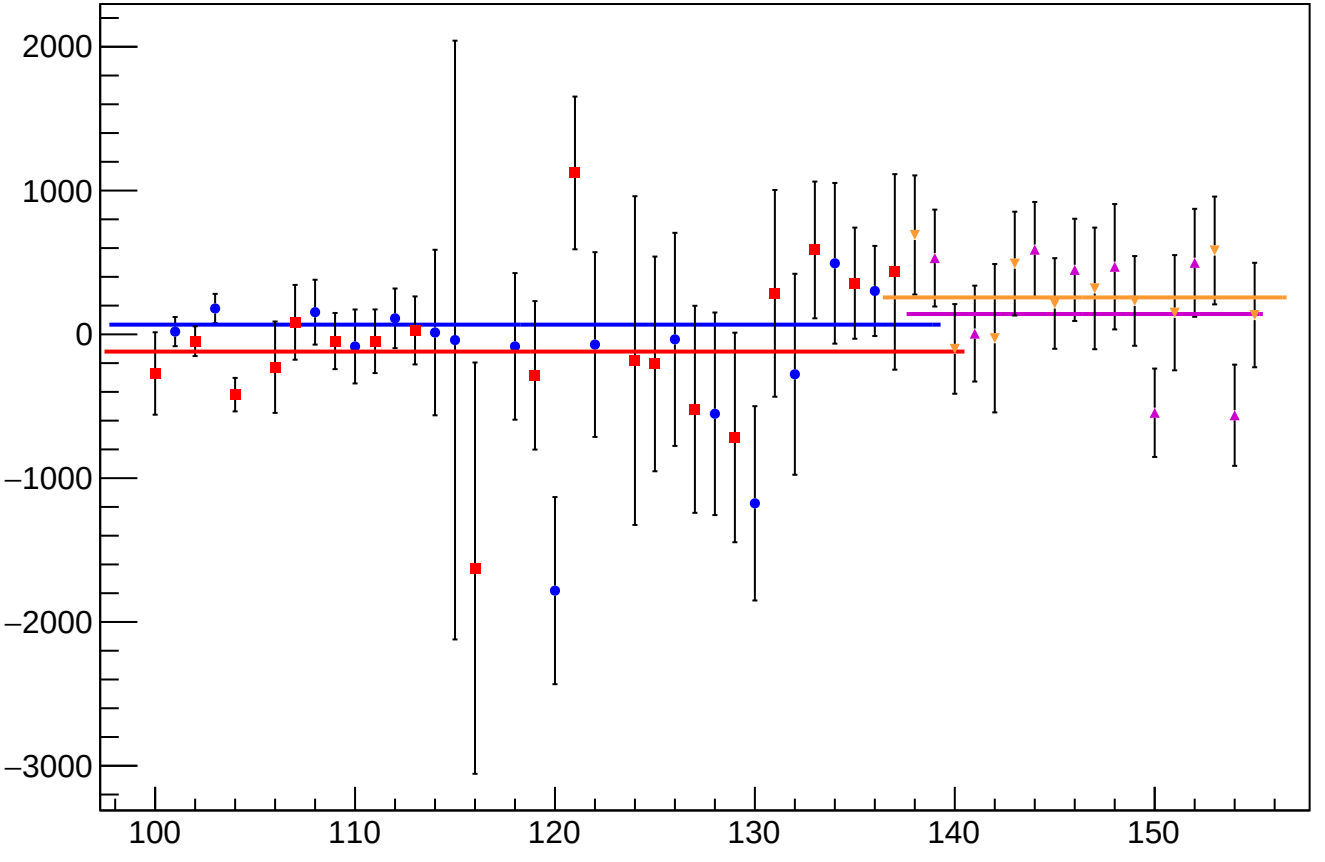
Left In: 329.942+/-0.089 χ^2/NDF:104633.7/7

+ sign 149.340+/-0.035 χ^2/NDF: 11301538.4/25

All: 149.225+/-0.024 χ^2/NDF: 21423675.2/52

- sign 149.108+/-0.035 χ^2/NDF: 10122114.4/26

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 256.798+/-115.919 χ^2/NDF:4.1/9

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

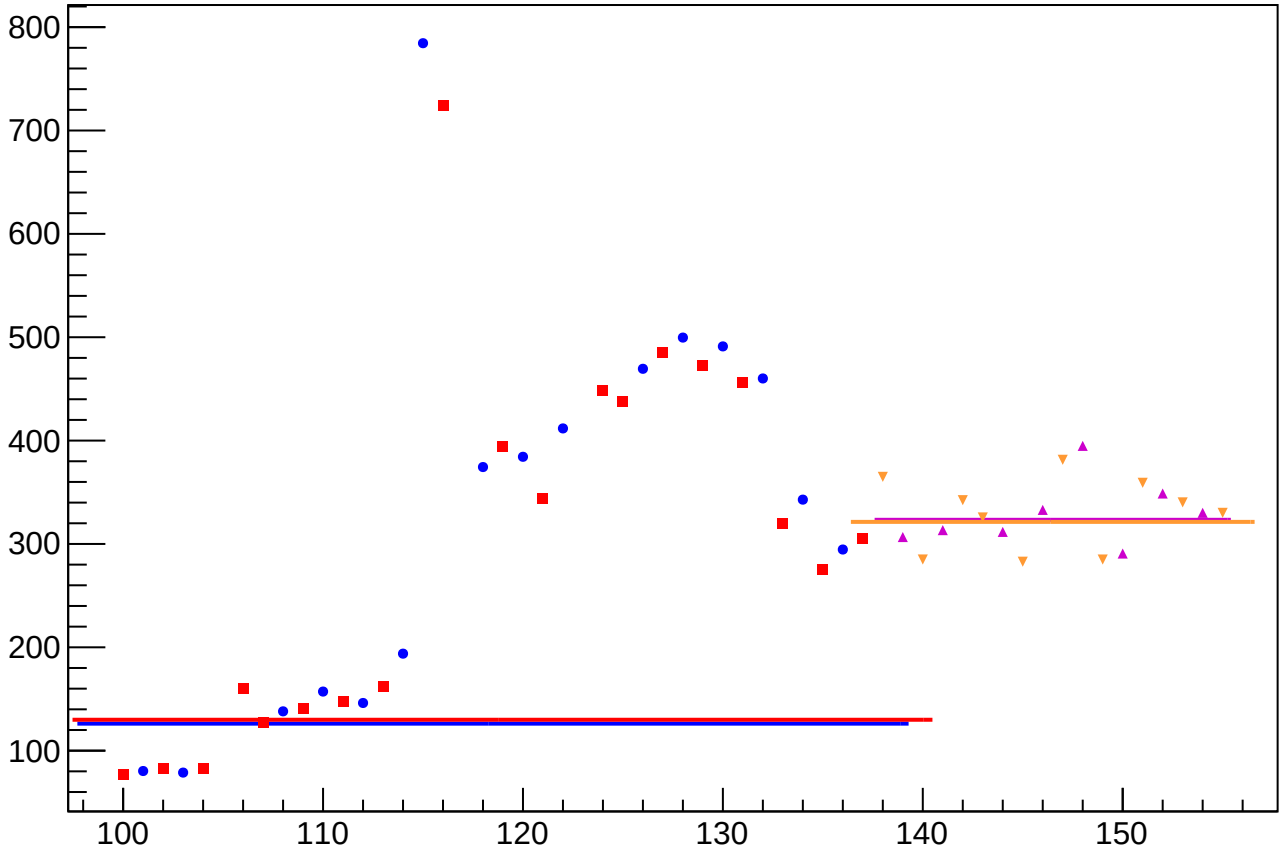
Left In: 141.575+/-123.235 χ^2/NDF:14.5/7

+ sign 106.722+/-52.701 χ^2/NDF: 22.0/25

All: 16.735+/-37.171 χ^2/NDF: 67.2/52

- sign -72.346+/-52.435 χ^2/NDF: 39.3/26

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 321.357+/-0.082 χ^2/NDF:174531.2/9

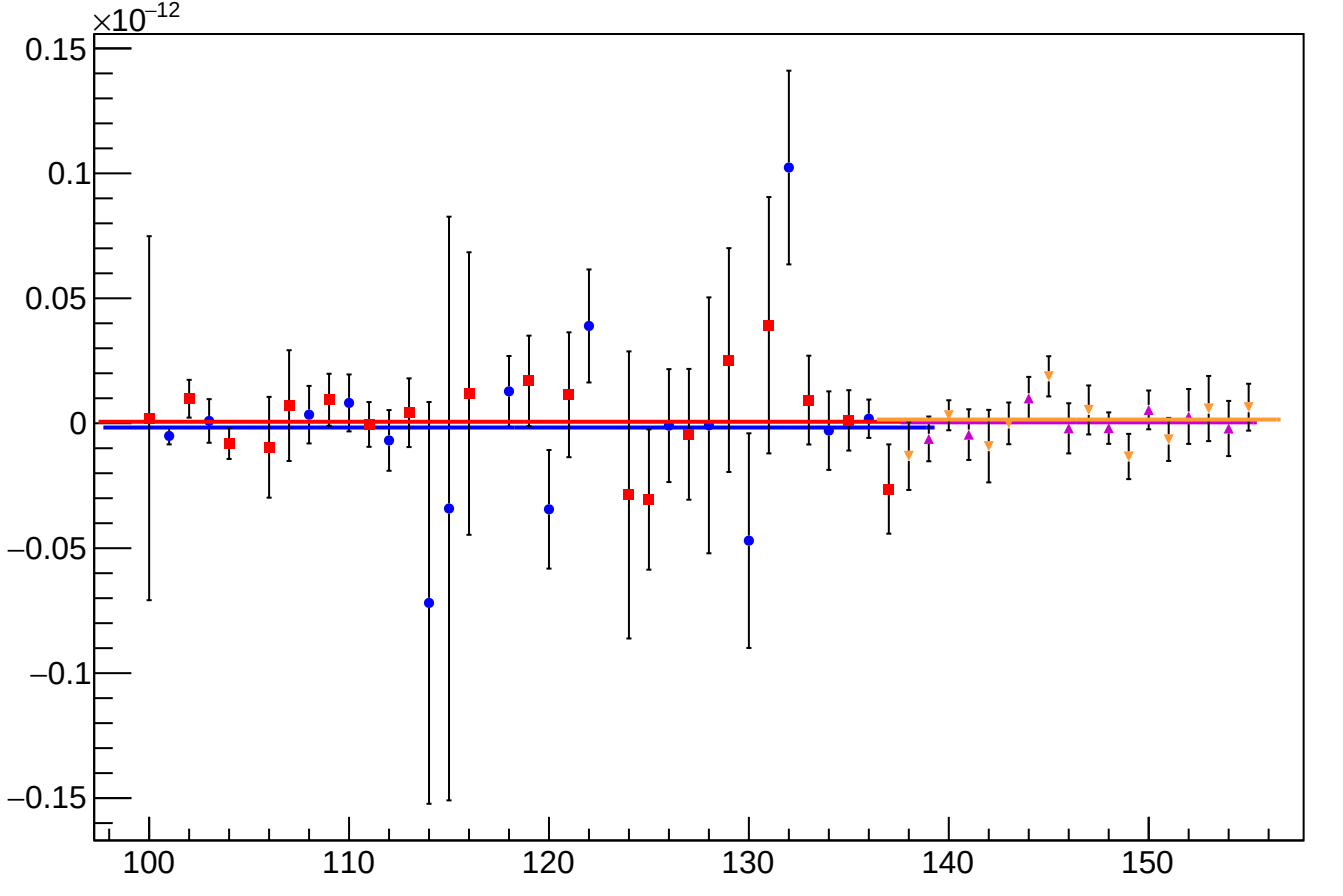
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 323.356+/-0.087 χ^2/NDF:97011.1/7

+ sign 166.500+/-0.037 χ^2/NDF: 9893836.5/25

All: 165.714+/-0.026 χ^2/NDF: 18675185.6/52

- sign 164.935+/-0.037 χ^2/NDF: 8780462.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/9

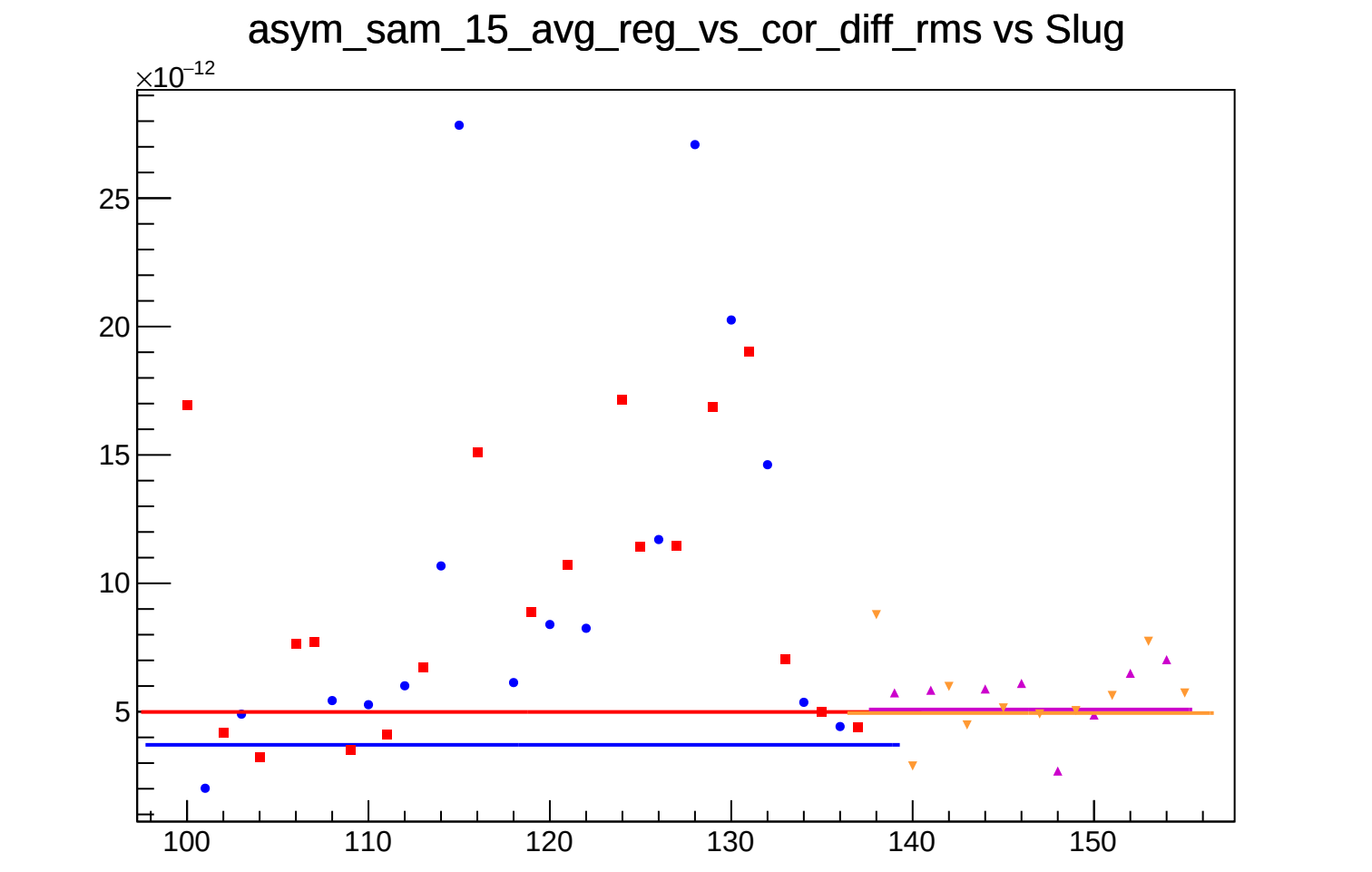
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/7

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/25

All: 0.000+/-0.000 χ^2/NDF: 42.3/52

- sign 0.000+/-0.000 χ^2/NDF: 13.3/26


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
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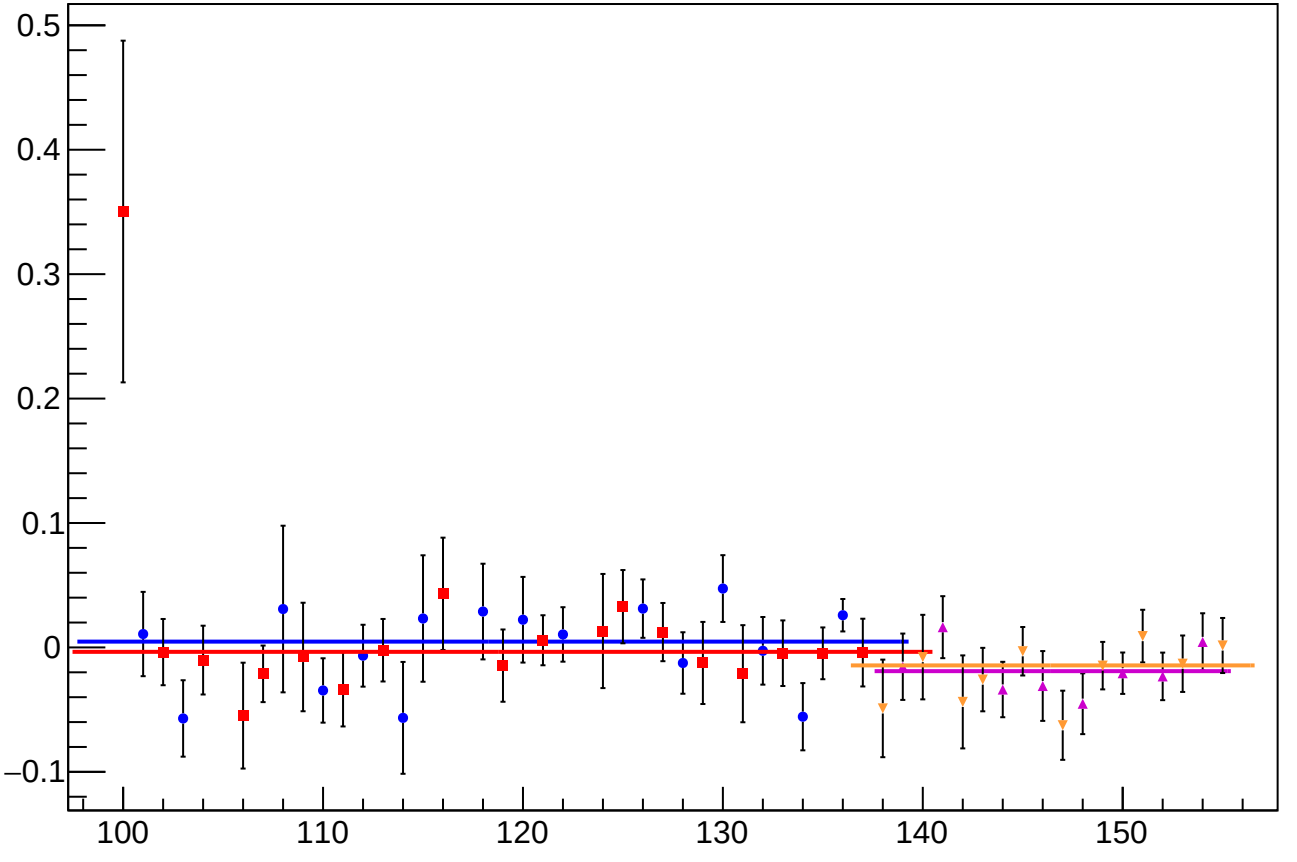
150
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:529589.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:445408.4/7
+ sign 0.000+/-0.000 χ²/NDF: 2911118.3/25
All: 0.000+/-0.000 χ²/NDF: 4798221.6/52
- sign 0.000+/-0.000 χ²/NDF: 1741704.1/26

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: -0.014+/-0.008 χ^2/NDF:6.7/9

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

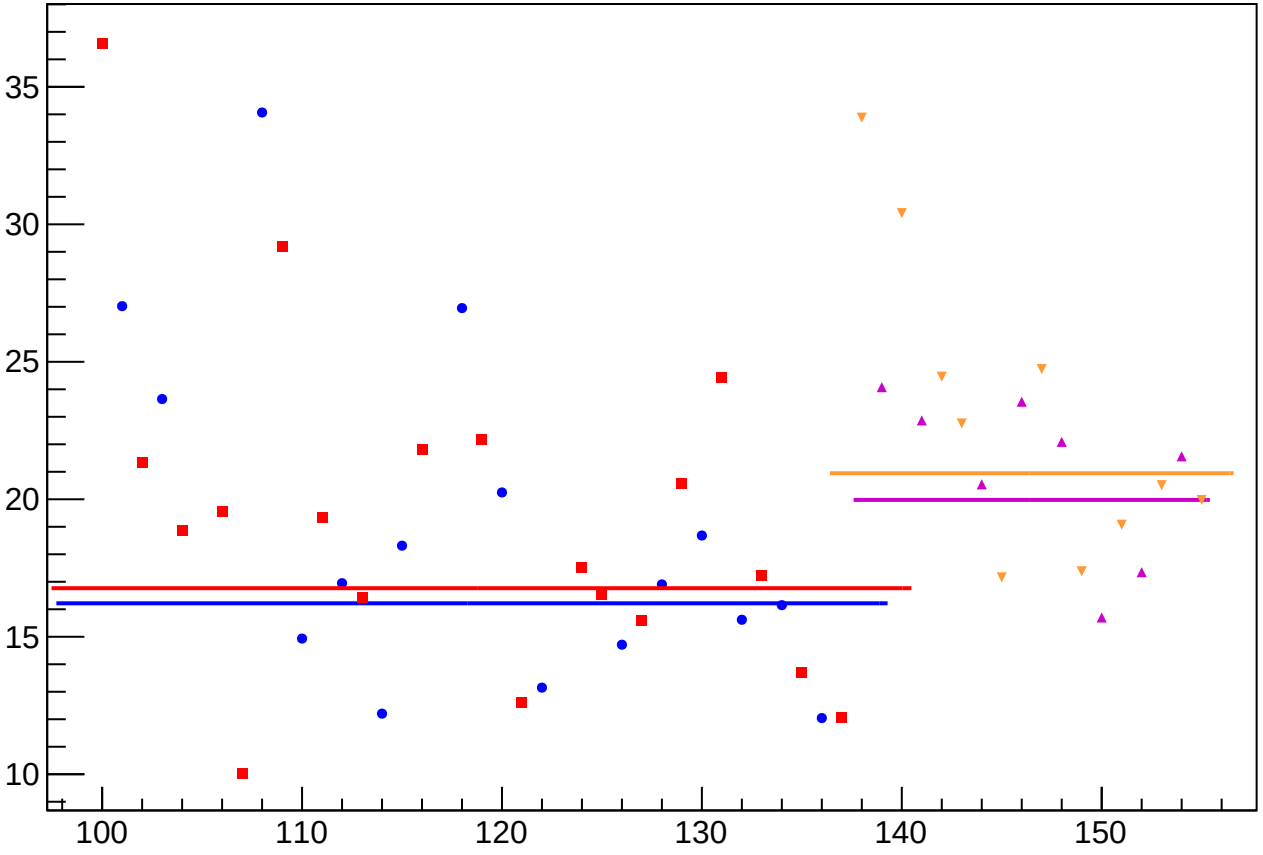
Left In: -0.019+/-0.008 χ^2/NDF:4.9/7

+ sign -0.003+/-0.005 χ^2/NDF: 31.7/25

All: -0.007+/-0.004 χ^2/NDF: 53.4/52

- sign -0.010+/-0.005 χ^2/NDF: 20.8/26

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.947+/-0.005 χ^2/NDF:603261.0/9

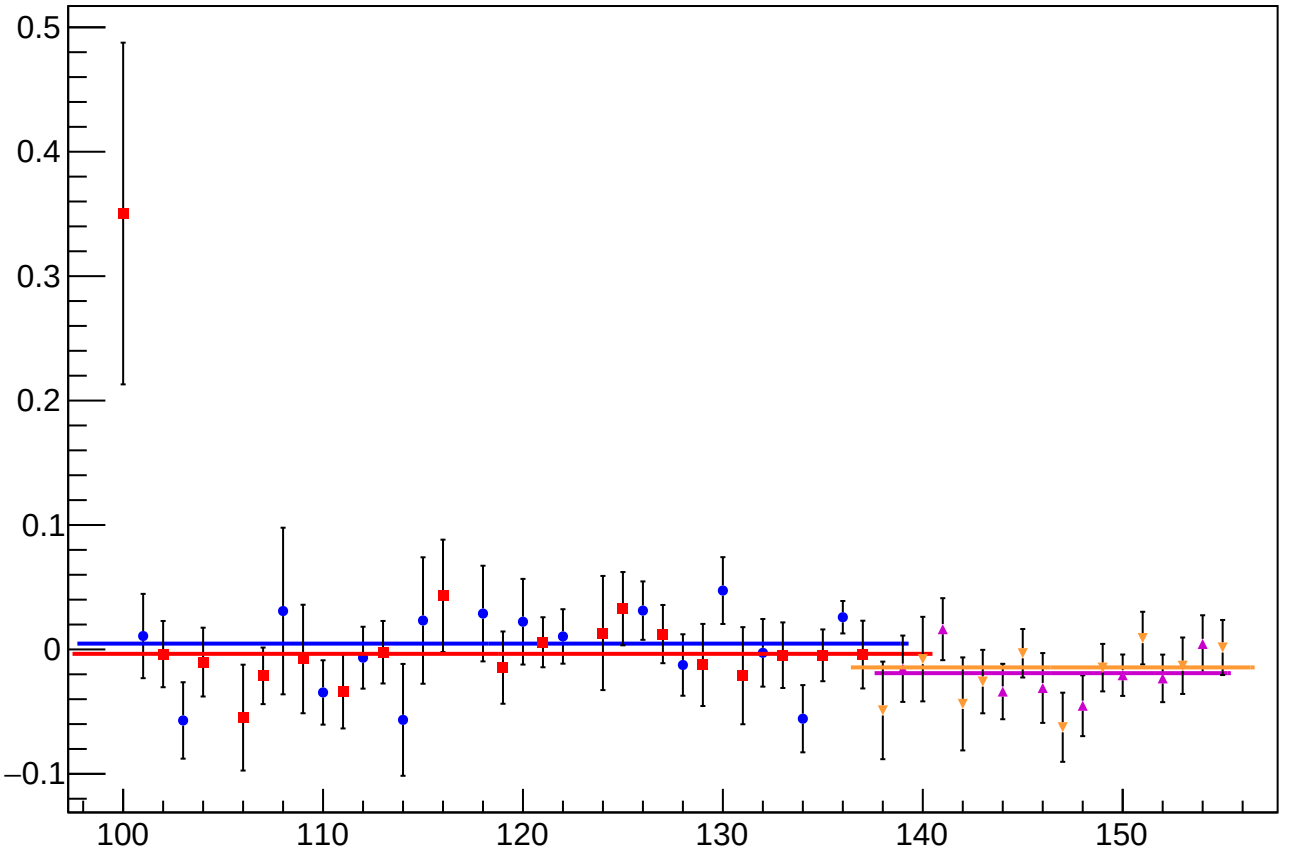
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.977+/-0.006 χ^2/NDF:302318.9/7

+ sign 18.194+/-0.004 χ^2/NDF: 1981296.0/25

All: 18.148+/-0.003 χ^2/NDF: 3345949.2/52

- sign 18.101+/-0.004 χ^2/NDF: 1364313.8/26



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.014+/-0.008 χ^2/NDF:6.7/9

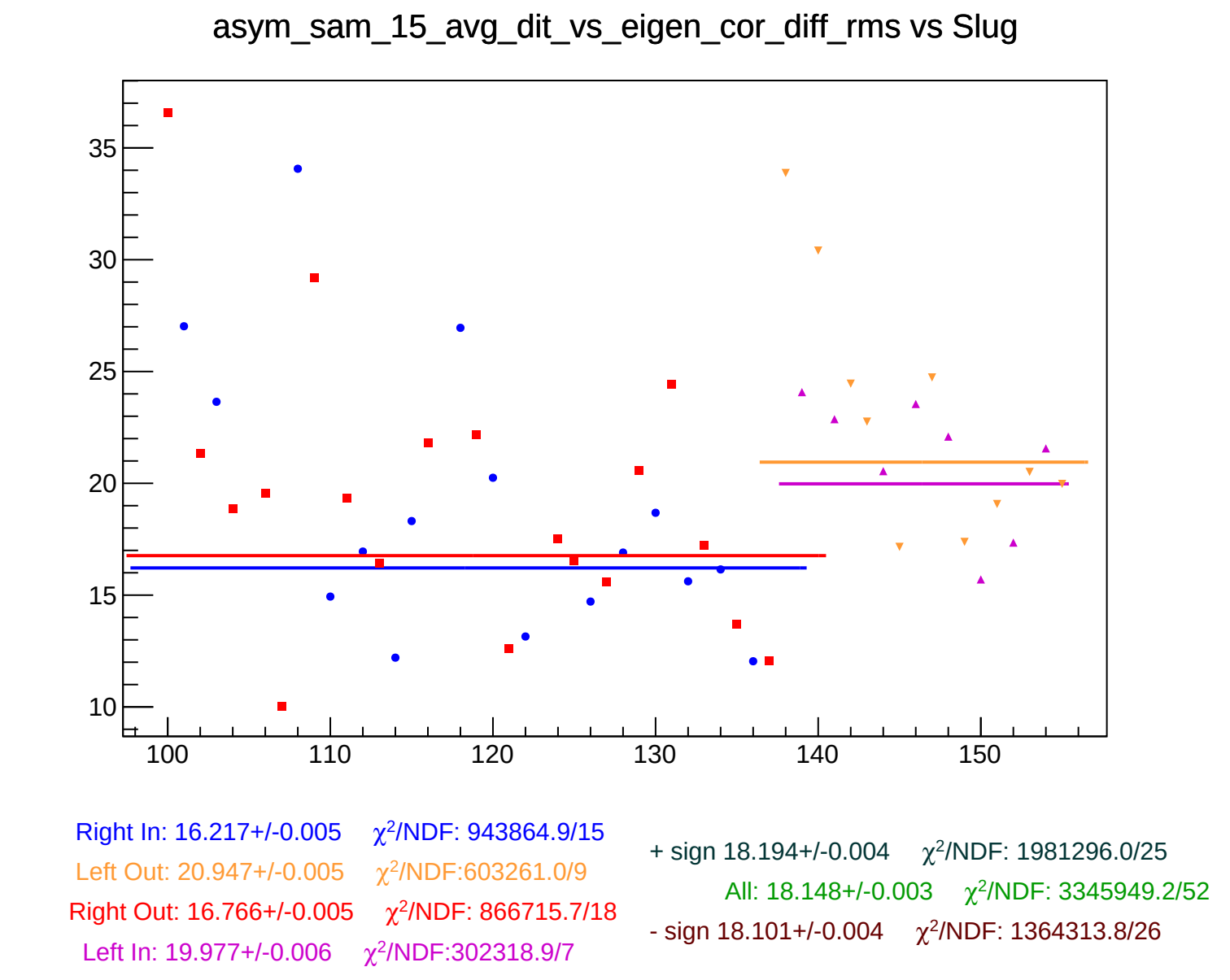
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.019+/-0.008 χ^2/NDF:4.9/7

+ sign -0.003+/-0.005 χ^2/NDF: 31.7/25

All: -0.007+/-0.004 χ^2/NDF: 53.4/52

- sign -0.010+/-0.005 χ^2/NDF: 20.8/26


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug
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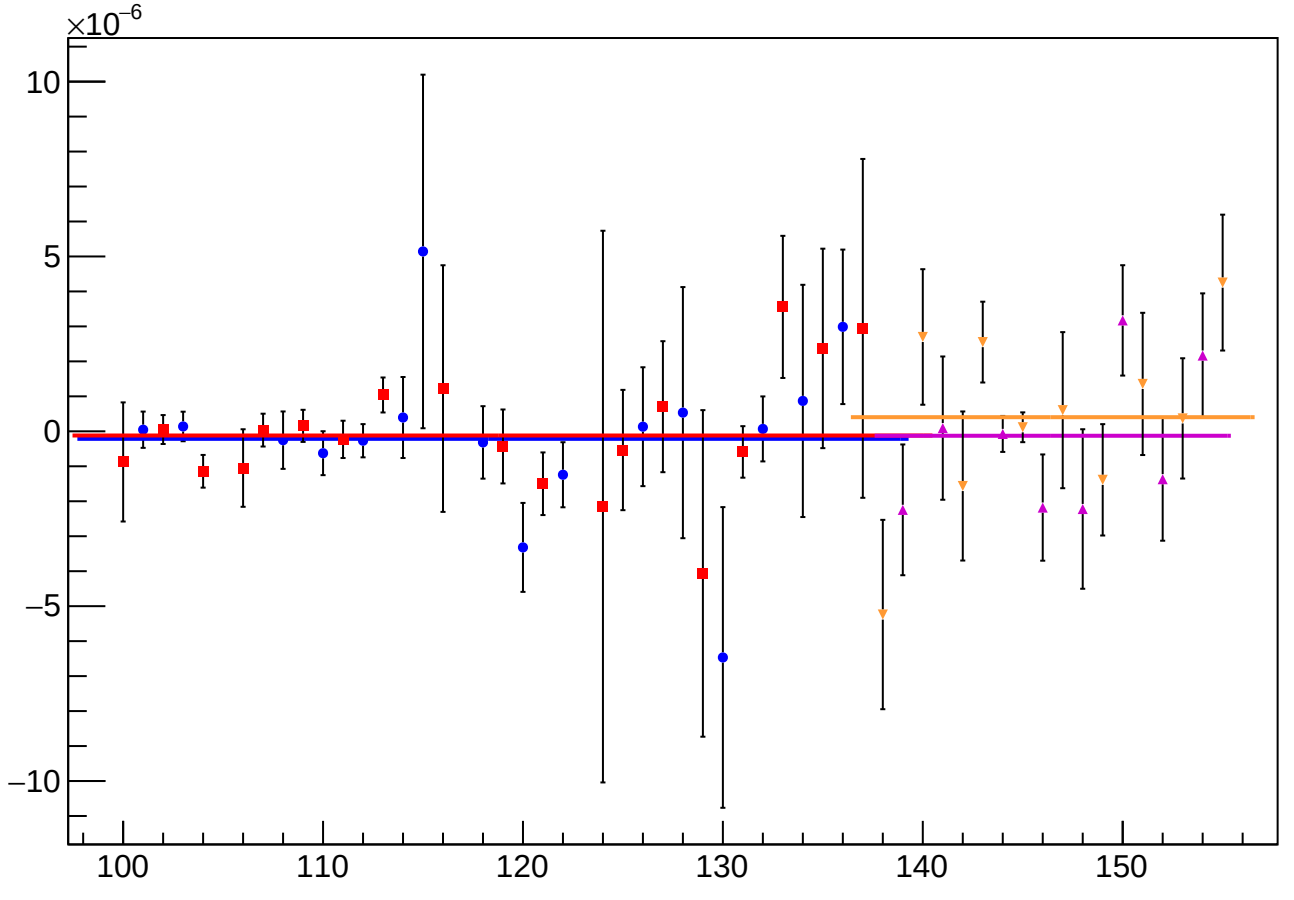
150
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 20.947+/-0.005 χ²/NDF:603261.0/9
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 19.977+/-0.006 χ²/NDF:302318.9/7
+ sign 18.194+/-0.004 χ²/NDF: 1981296.0/25
All: 18.148+/-0.003 χ²/NDF: 3345949.2/52
- sign 18.101+/-0.004 χ²/NDF: 1364313.8/26



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.9/9

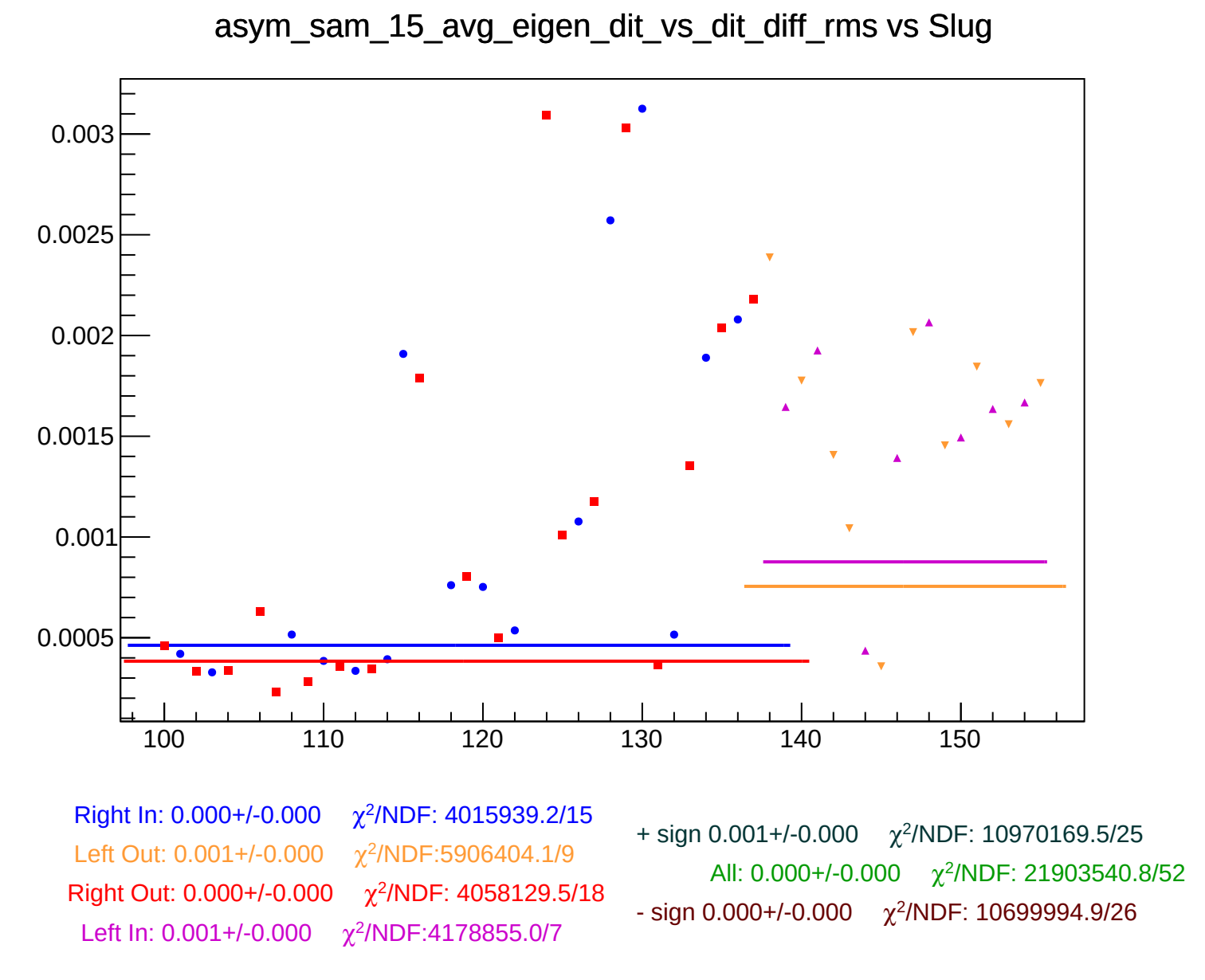
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/25

All: -0.000+/-0.000 χ^2/NDF: 63.6/52

- sign -0.000+/-0.000 χ^2/NDF: 30.7/26


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
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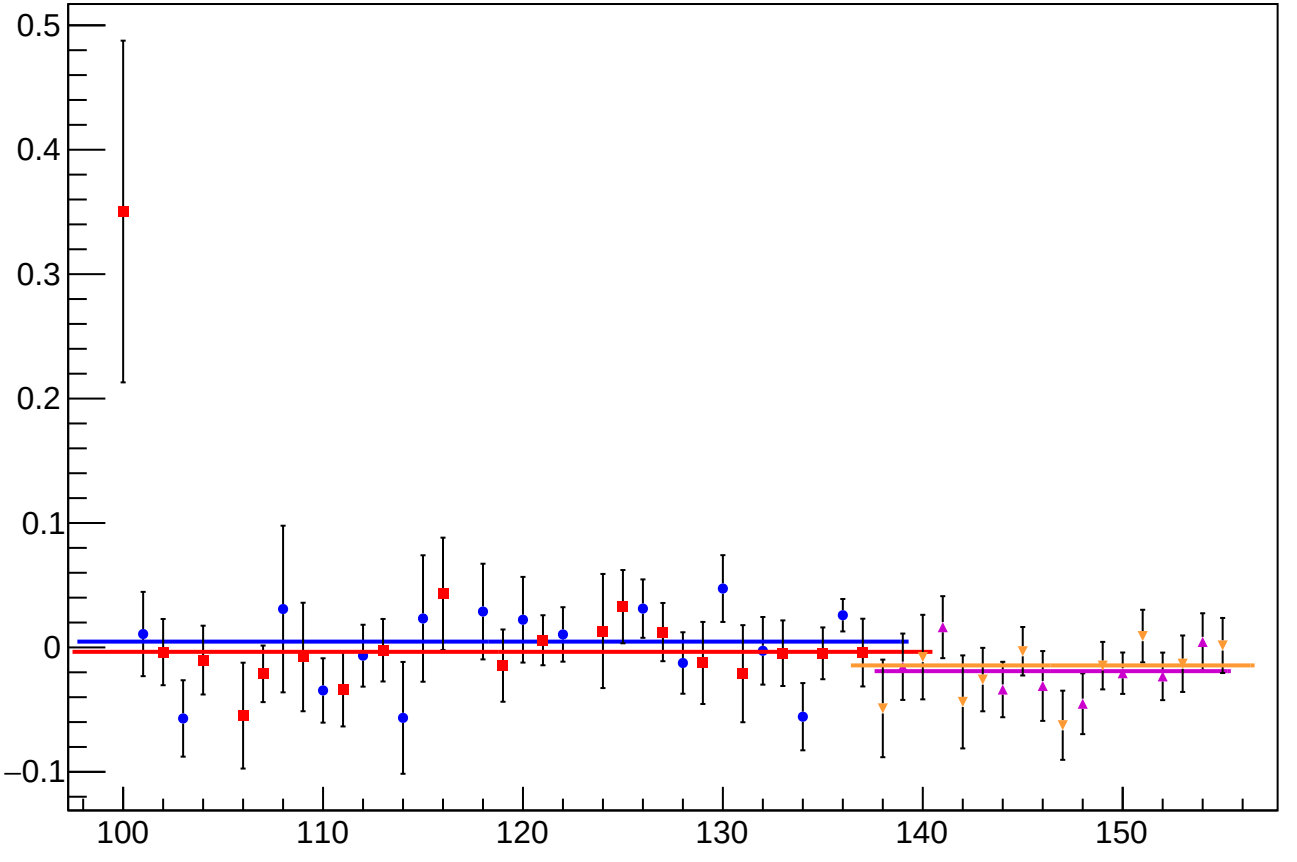
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:5906404.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:4178855.0/7
+ sign 0.001+/-0.000 χ²/NDF: 10970169.5/25
All: 0.000+/-0.000 χ²/NDF: 21903540.8/52
- sign 0.000+/-0.000 χ²/NDF: 10699994.9/26

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.014+/-0.008 χ^2/NDF:6.7/9

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

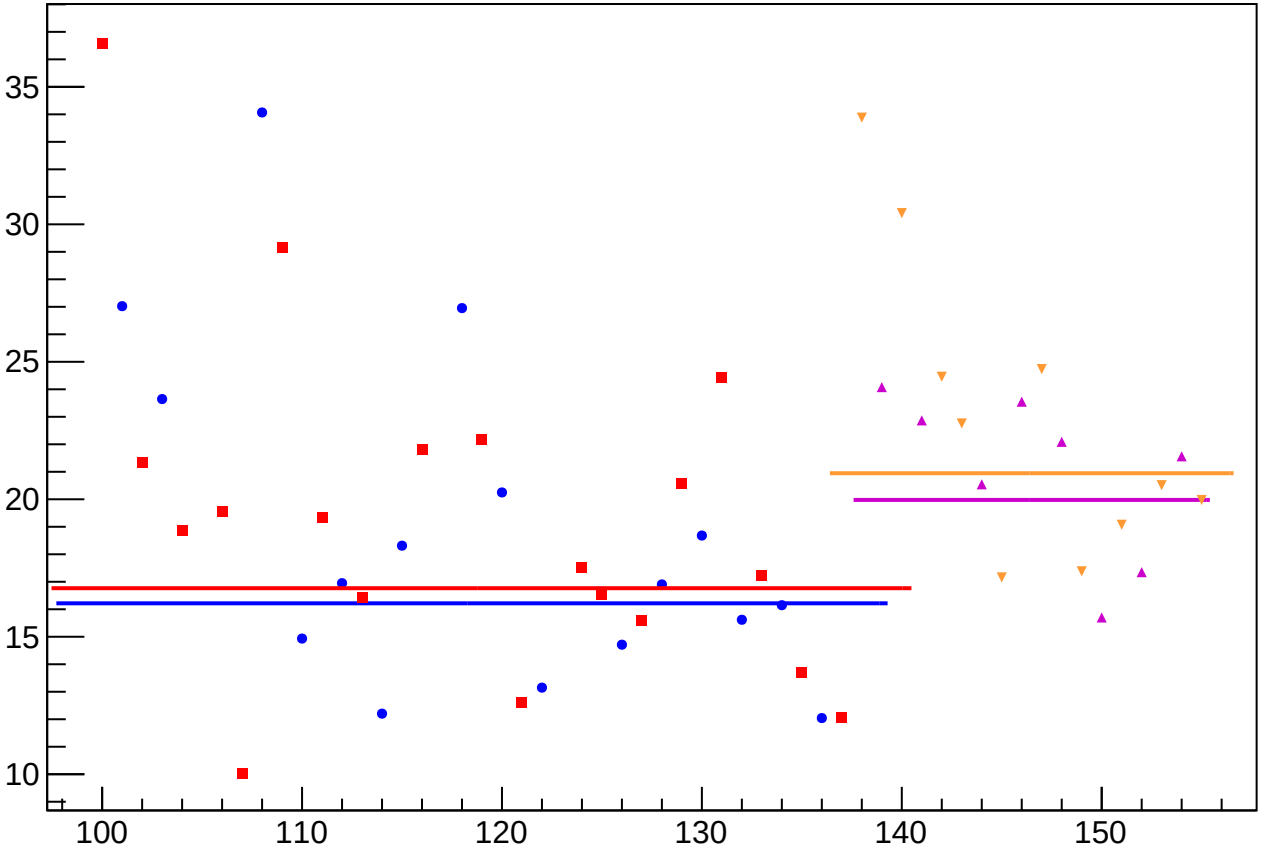
Left In: -0.019+/-0.008 χ^2/NDF:4.9/7

+ sign -0.003+/-0.005 χ^2/NDF: 31.7/25

All: -0.007+/-0.004 χ^2/NDF: 53.4/52

- sign -0.010+/-0.005 χ^2/NDF: 20.8/26

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.948+/-0.005 χ^2/NDF:603303.1/9

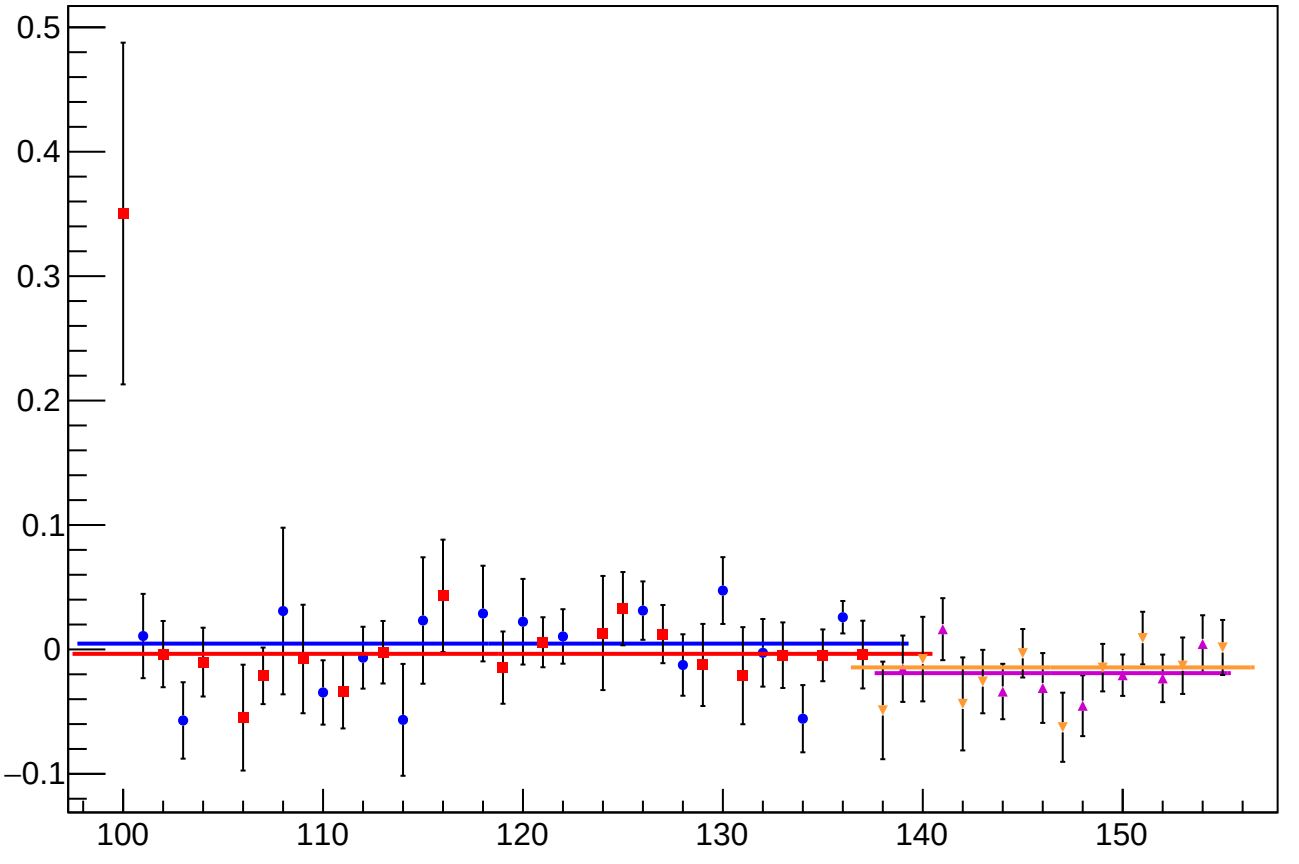
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.977+/-0.006 χ^2/NDF:302402.4/7

+ sign 18.194+/-0.004 χ^2/NDF: 1981376.3/25

All: 18.148+/-0.003 χ^2/NDF: 3346144.8/52

- sign 18.101+/-0.004 χ^2/NDF: 1364428.7/26



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.014+/-0.008 χ^2/NDF:6.7/9

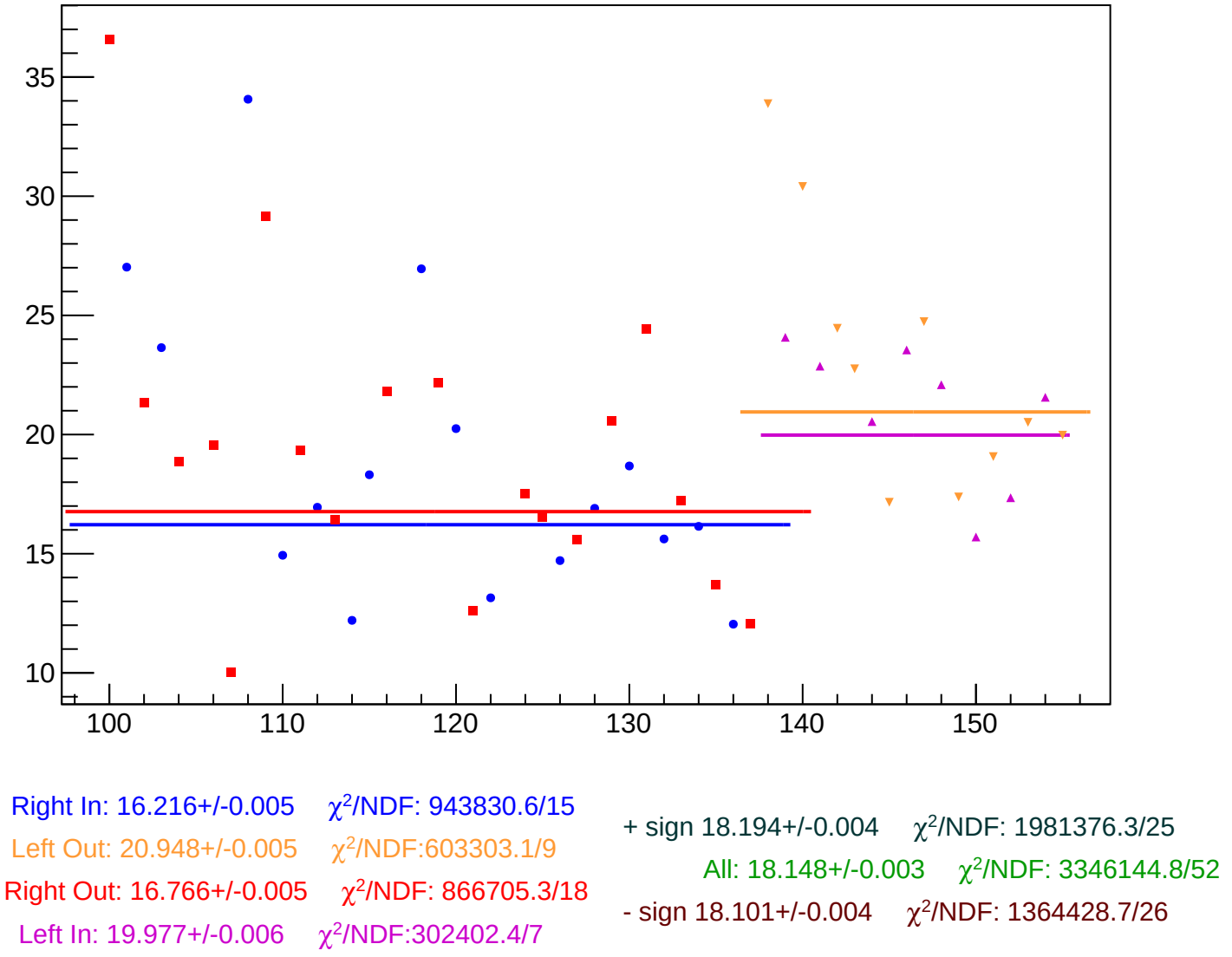
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.019+/-0.008 χ^2/NDF:4.9/7

+ sign -0.003+/-0.005 χ^2/NDF: 31.7/25

All: -0.007+/-0.004 χ^2/NDF: 53.4/52

- sign -0.010+/-0.005 χ^2/NDF: 20.8/26


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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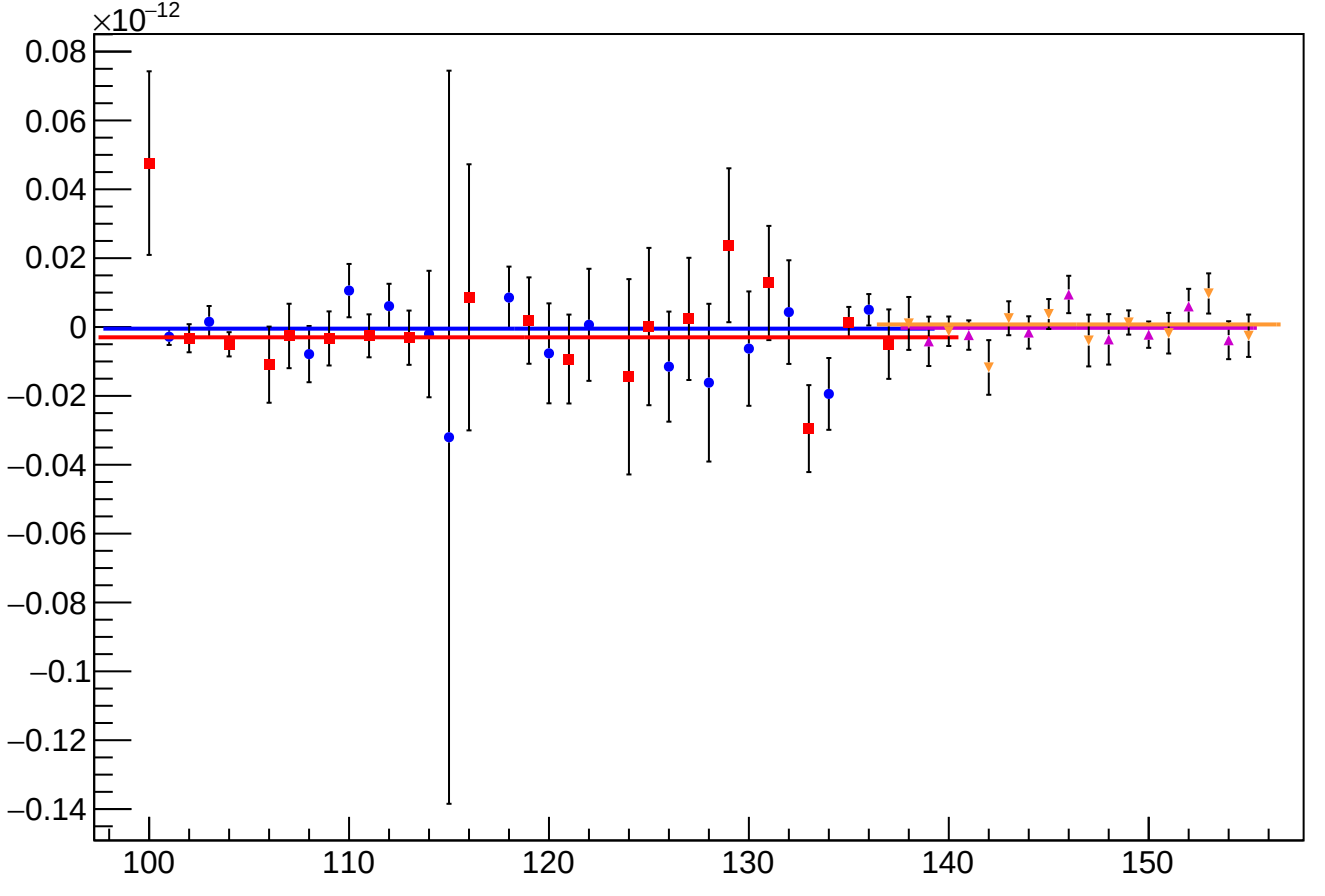
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 20.948+/-0.005 χ²/NDF:603303.1/9
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 19.977+/-0.006 χ²/NDF:302402.4/7
+ sign 18.194+/-0.004 χ²/NDF: 1981376.3/25
All: 18.148+/-0.003 χ²/NDF: 3346144.8/52
- sign 18.101+/-0.004 χ²/NDF: 1364428.7/26



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/9

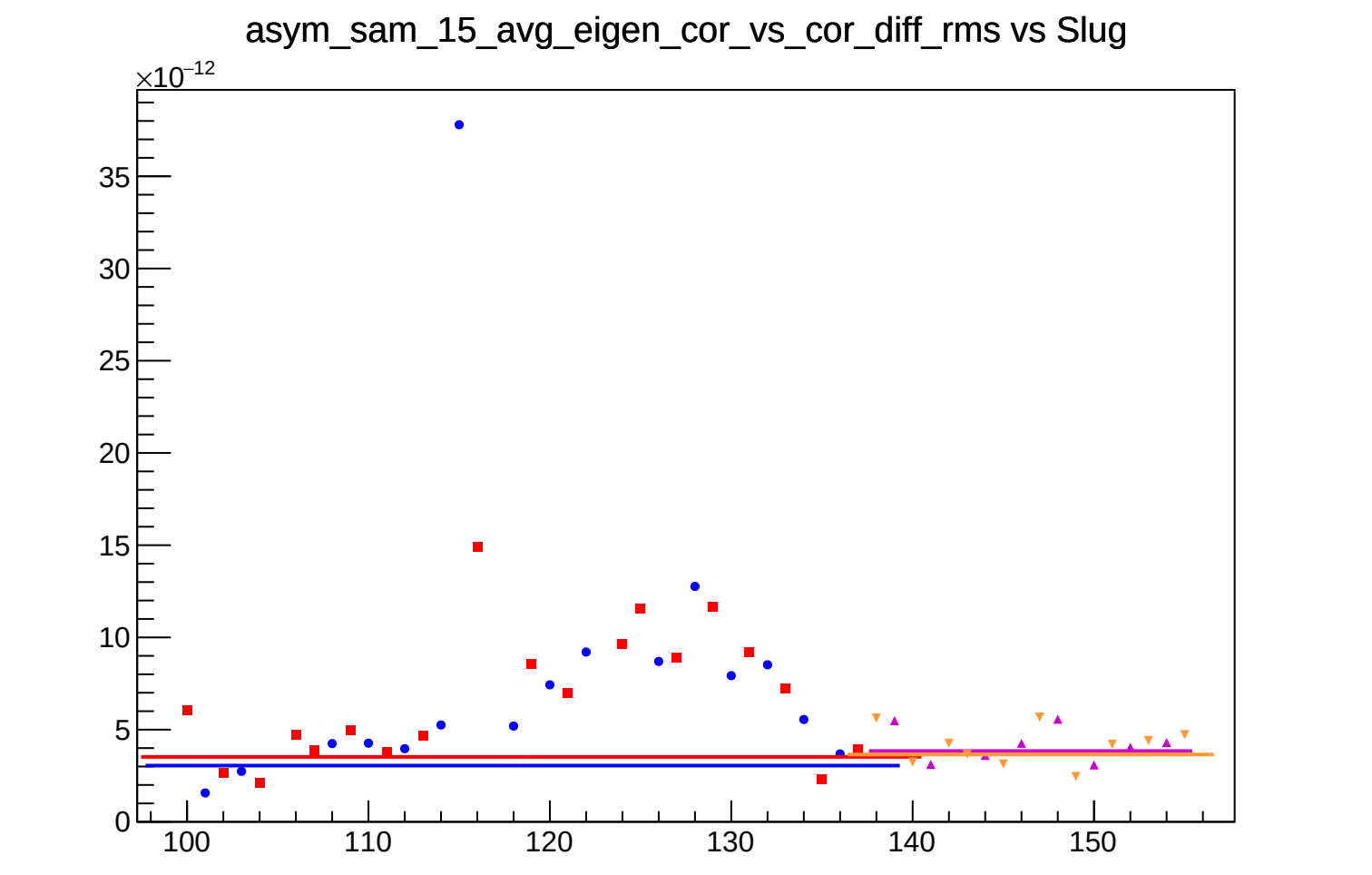
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/7

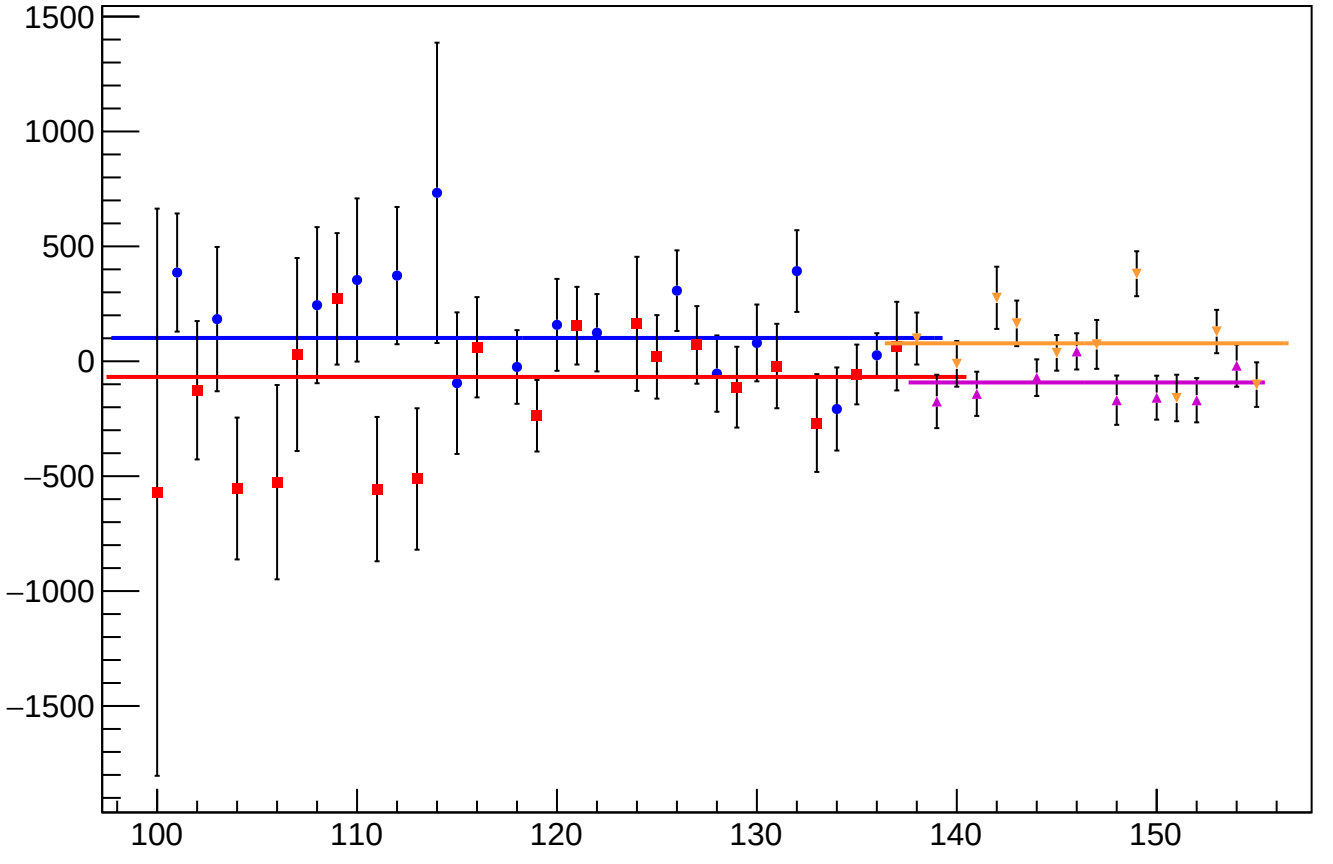
+ sign 0.000+/-0.000 χ^2/NDF: 19.1/25

All: -0.000+/-0.000 χ^2/NDF: 40.6/52

- sign -0.000+/-0.000 χ^2/NDF: 20.4/26


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:675437.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:385170.7/7
+ sign 0.000+/-0.000 χ²/NDF: 3746406.1/25
All: 0.000+/-0.000 χ²/NDF: 6797042.3/52
- sign 0.000+/-0.000 χ²/NDF: 2975297.0/26

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 78.147+/-31.442 χ^2/NDF:22.9/9

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

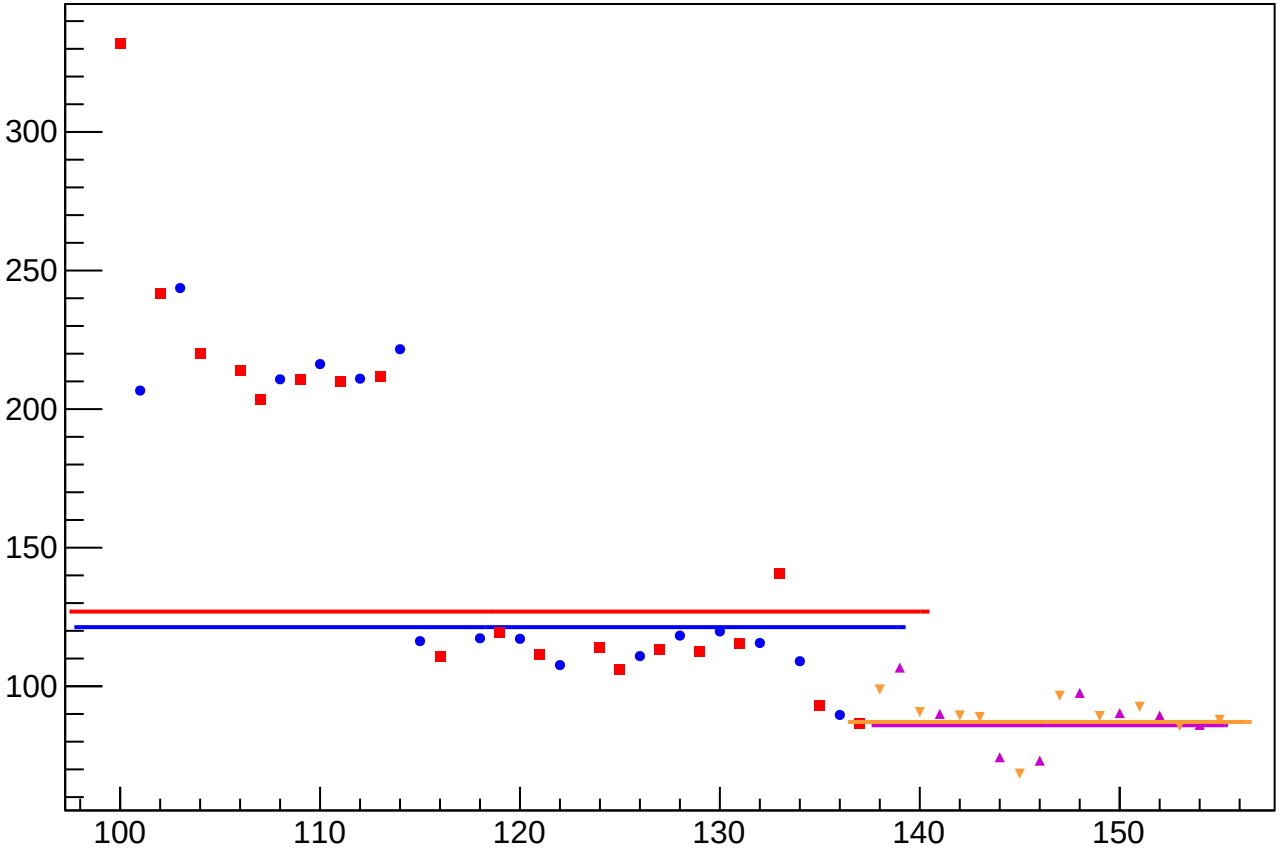
Left In: -92.165+/-32.904 χ^2/NDF:6.1/7

+ sign 85.223+/-26.240 χ^2/NDF: 36.4/25

All: 3.823+/-18.942 χ^2/NDF: 78.9/52

- sign -84.757+/-27.373 χ^2/NDF: 22.4/26

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.113+/-0.022 χ^2/NDF:164333.2/9

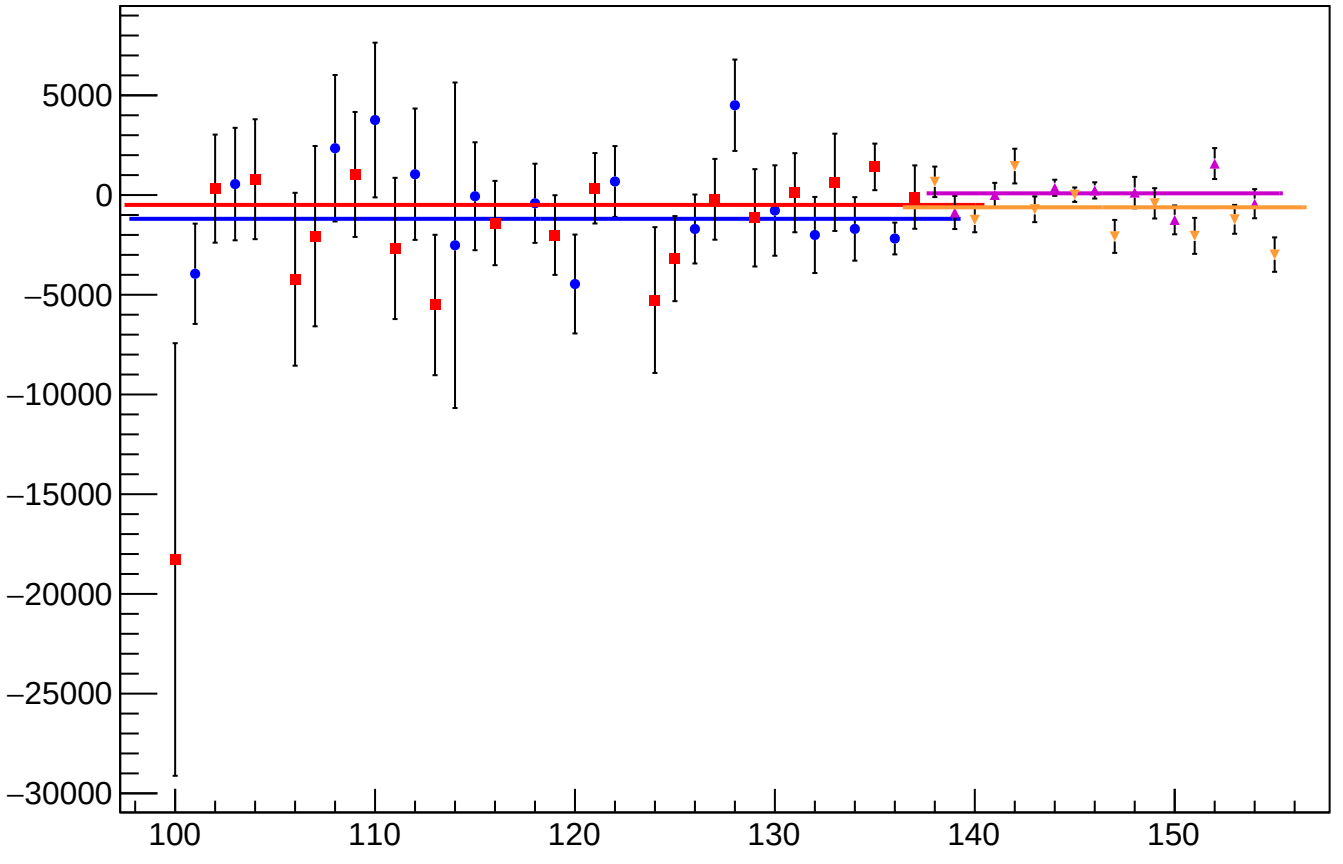
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 85.926+/-0.023 χ^2/NDF:192848.2/7

\+ sign 97.496+/-0.019 χ^2/NDF: 2169682.7/25

All: 98.005+/-0.013 χ^2/NDF: 4792784.0/52

\- sign 98.558+/-0.019 χ^2/NDF: 2621535.0/26



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -615.083+/-207.114 χ^2/NDF:26.5/9

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

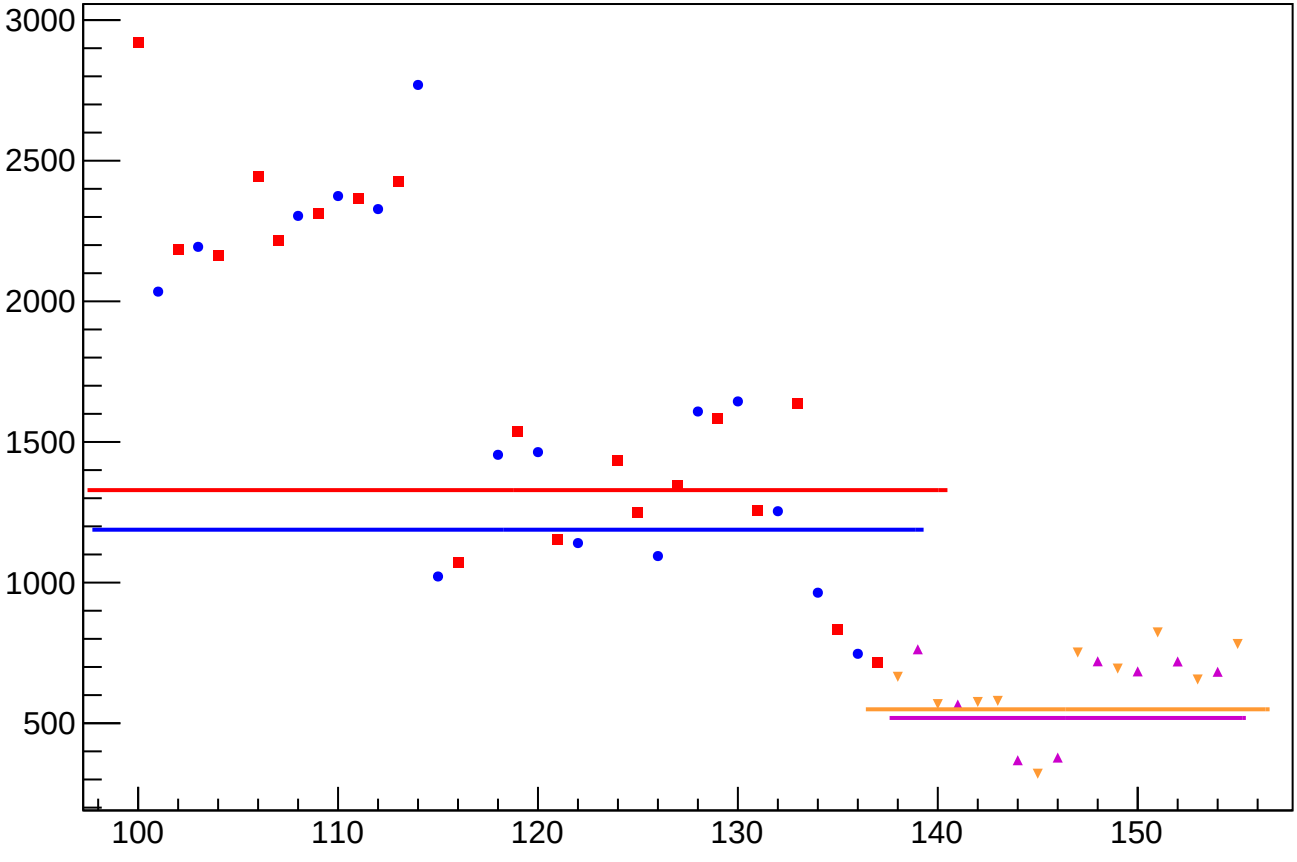
Left In: 86.004+/-206.838 χ^2/NDF:9.5/7

+ sign -706.010+/-190.098 χ^2/NDF: 43.6/25

All: -353.501+/-135.185 χ^2/NDF: 75.1/52

- sign 7.148+/-192.281 χ^2/NDF: 24.5/26

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 549.521+/-0.146 χ^2/NDF:1415973.1/9

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

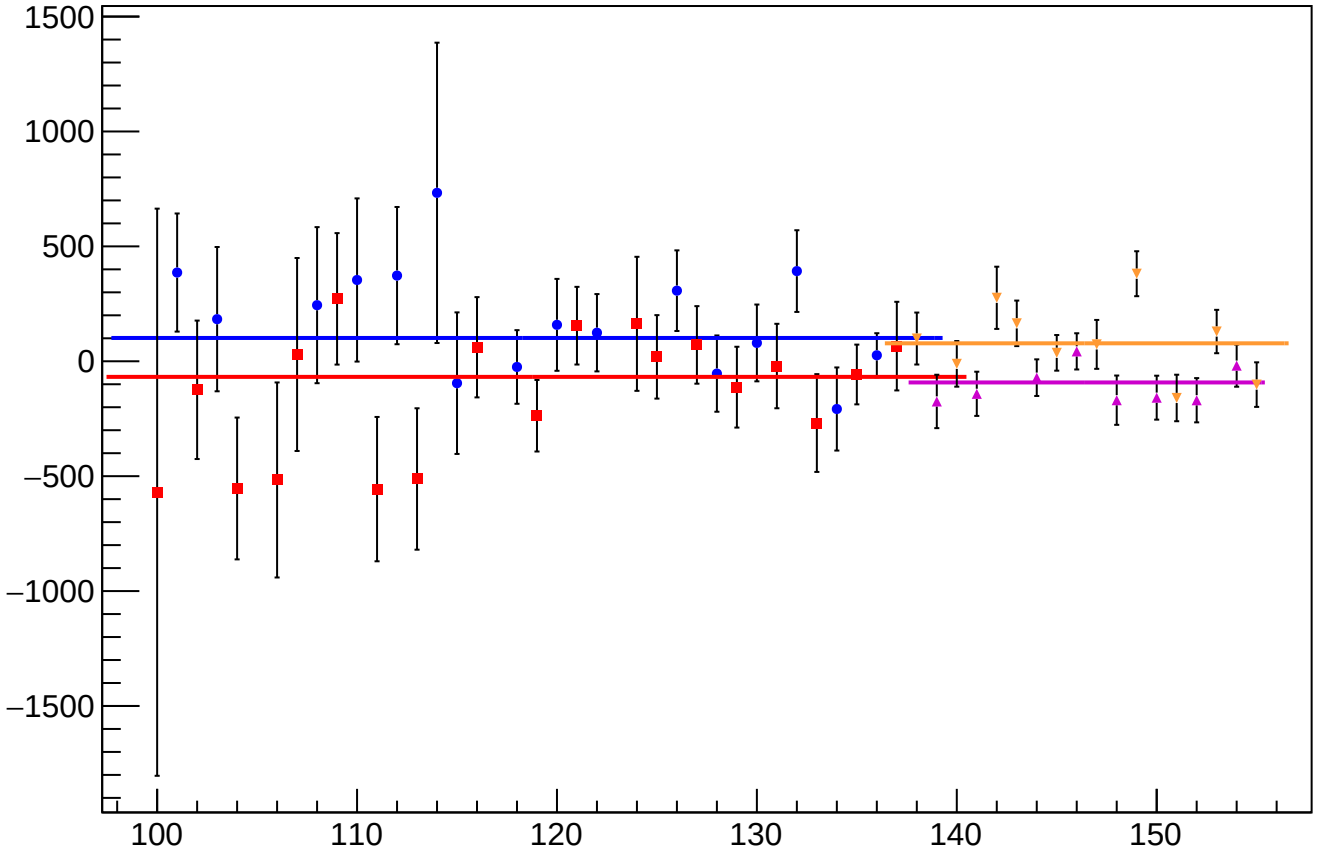
Left In: 518.750+/-0.146 χ^2/NDF:1171320.3/7

+ sign 650.132+/-0.134 χ^2/NDF: 6455983.6/25

All: 639.571+/-0.096 χ^2/NDF: 13763803.1/52

- sign 628.766+/-0.136 χ^2/NDF: 7295331.1/26

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 78.152+/-31.442 χ^2/NDF:22.9/9

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

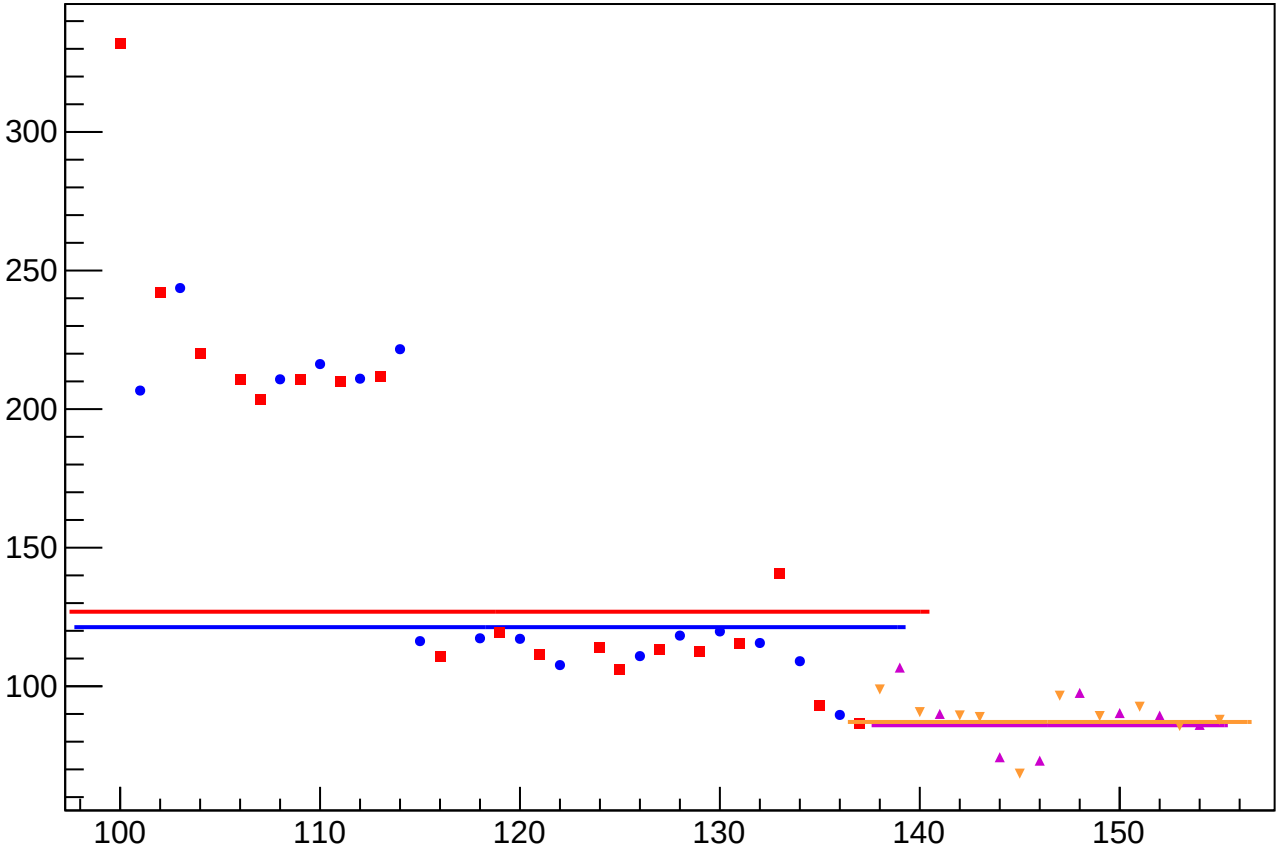
Left In: -92.164+/-32.904 χ^2/NDF:6.1/7

+ sign 85.222+/-26.240 χ^2/NDF: 36.4/25

All: 3.858+/-18.943 χ^2/NDF: 78.8/52

- sign -84.687+/-27.374 χ^2/NDF: 22.3/26

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.113+/-0.022 χ^2/NDF:164333.2/9

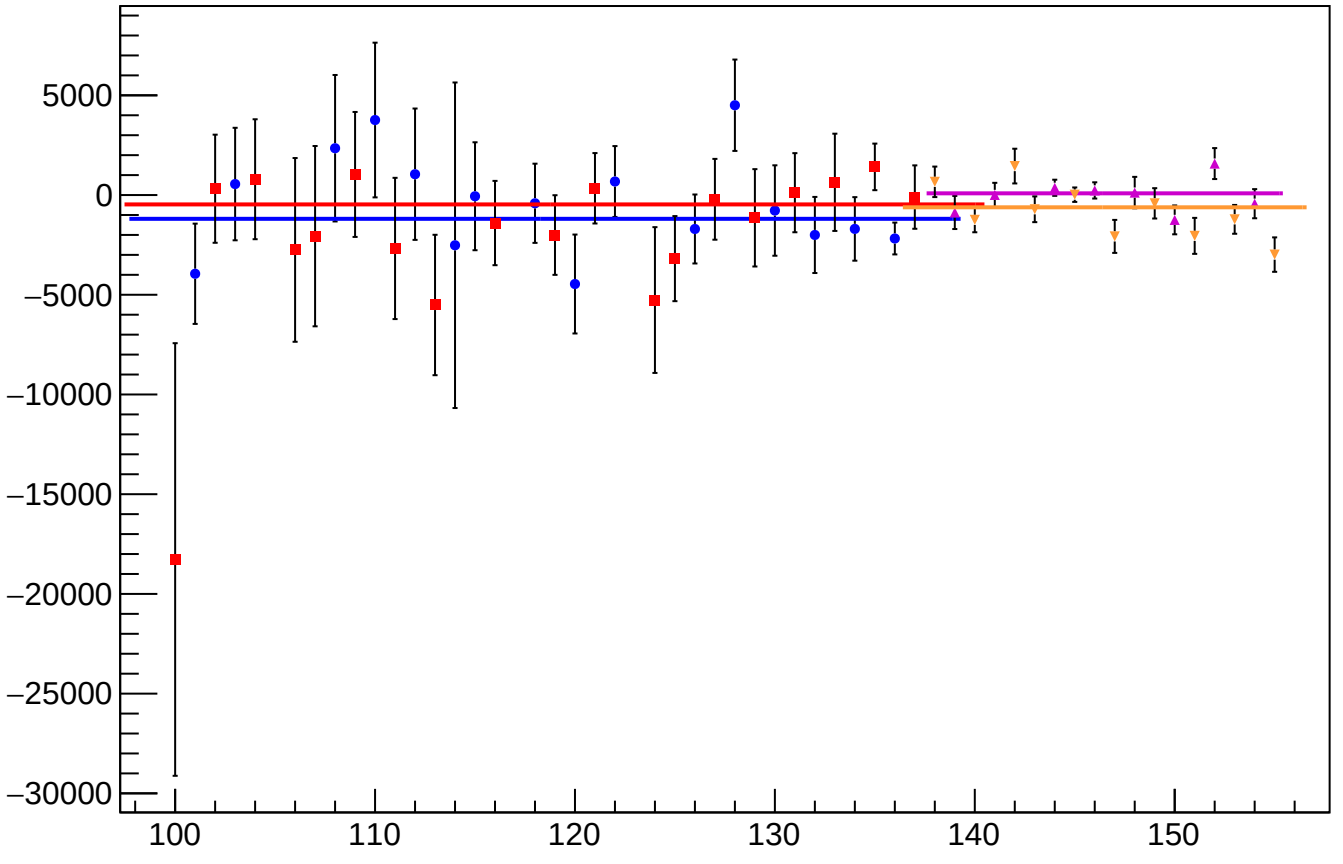
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.926+/-0.023 χ^2/NDF:192848.2/7

\+ sign 97.496+/-0.019 χ^2/NDF: 2169685.0/25

All: 97.997+/-0.013 χ^2/NDF: 4784209.4/52

\- sign 98.541+/-0.019 χ^2/NDF: 2613006.5/26



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -615.075+/-207.114 χ^2/NDF:26.5/9

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

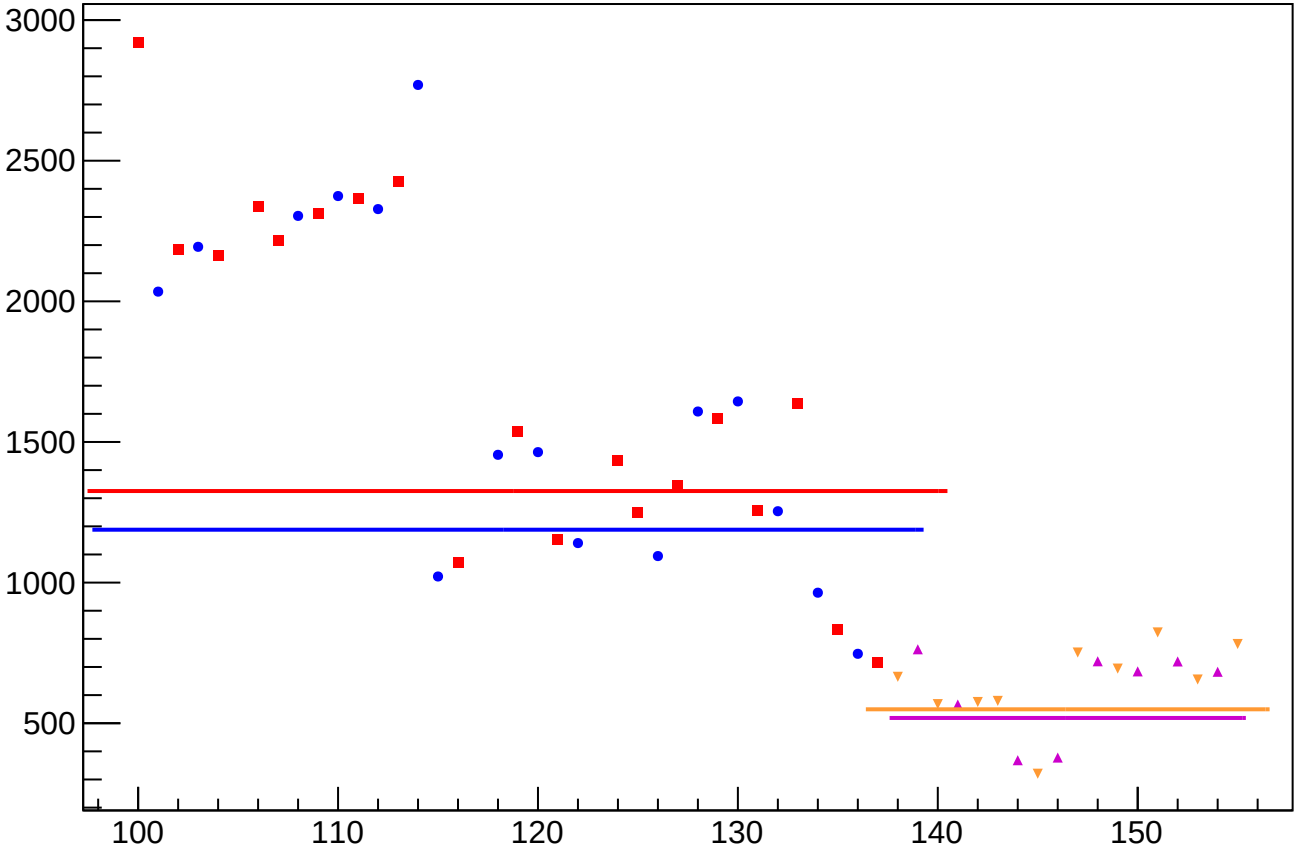
Left In: 86.002+/-206.838 χ^2/NDF:9.5/7

+ sign -705.999+/-190.098 χ^2/NDF: 43.6/25

All: -351.812+/-135.192 χ^2/NDF: 74.5/52

- sign 10.638+/-192.303 χ^2/NDF: 23.9/26

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 549.520+/-0.146 χ^2/NDF:1415981.2/9

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

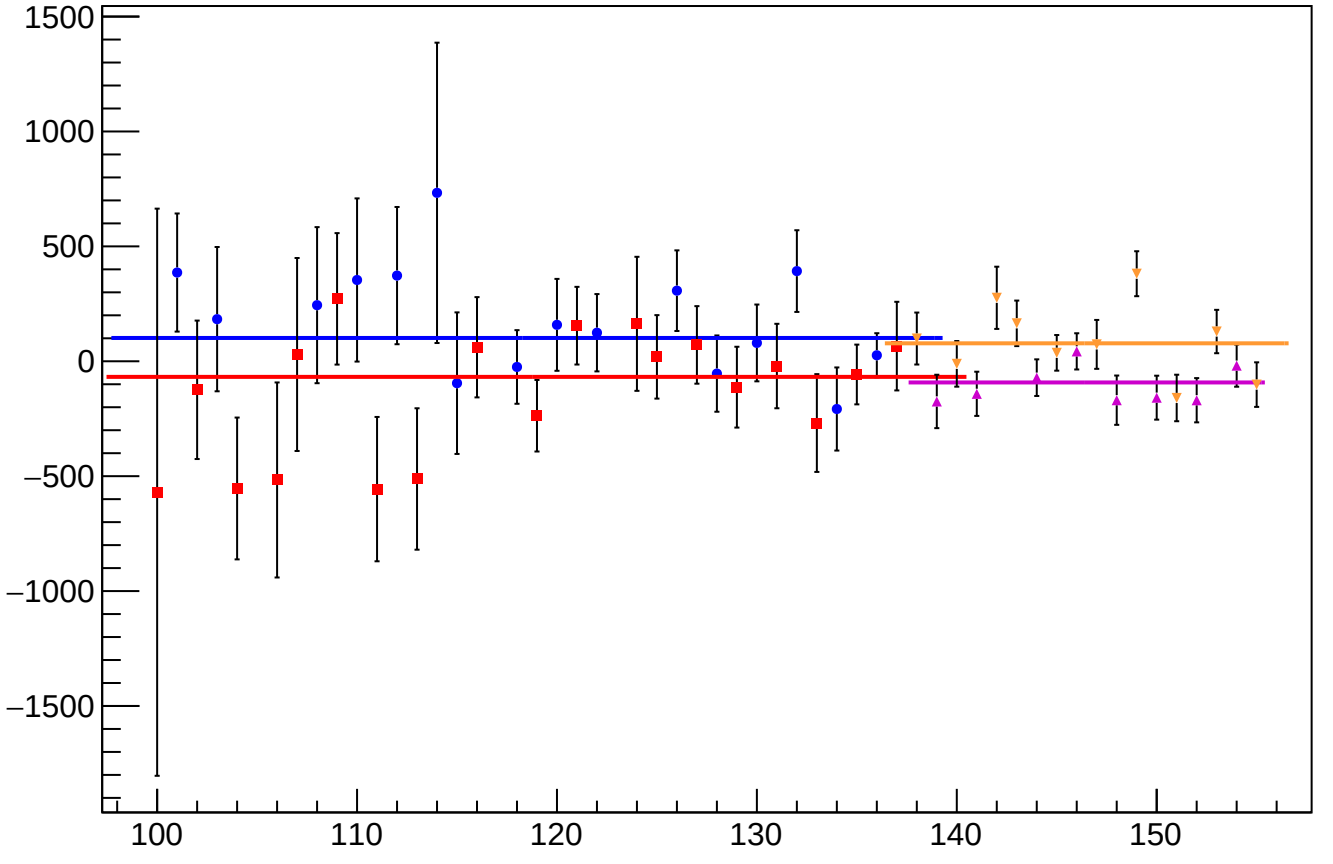
Left In: 518.750+/-0.146 χ^2/NDF:1171321.2/7

+ sign 650.131+/-0.134 χ^2/NDF: 6456020.8/25

All: 639.273+/-0.096 χ^2/NDF: 13688278.1/52

- sign 628.162+/-0.136 χ^2/NDF: 7219055.5/26

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 78.152+/-31.442 χ^2/NDF:22.9/9

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

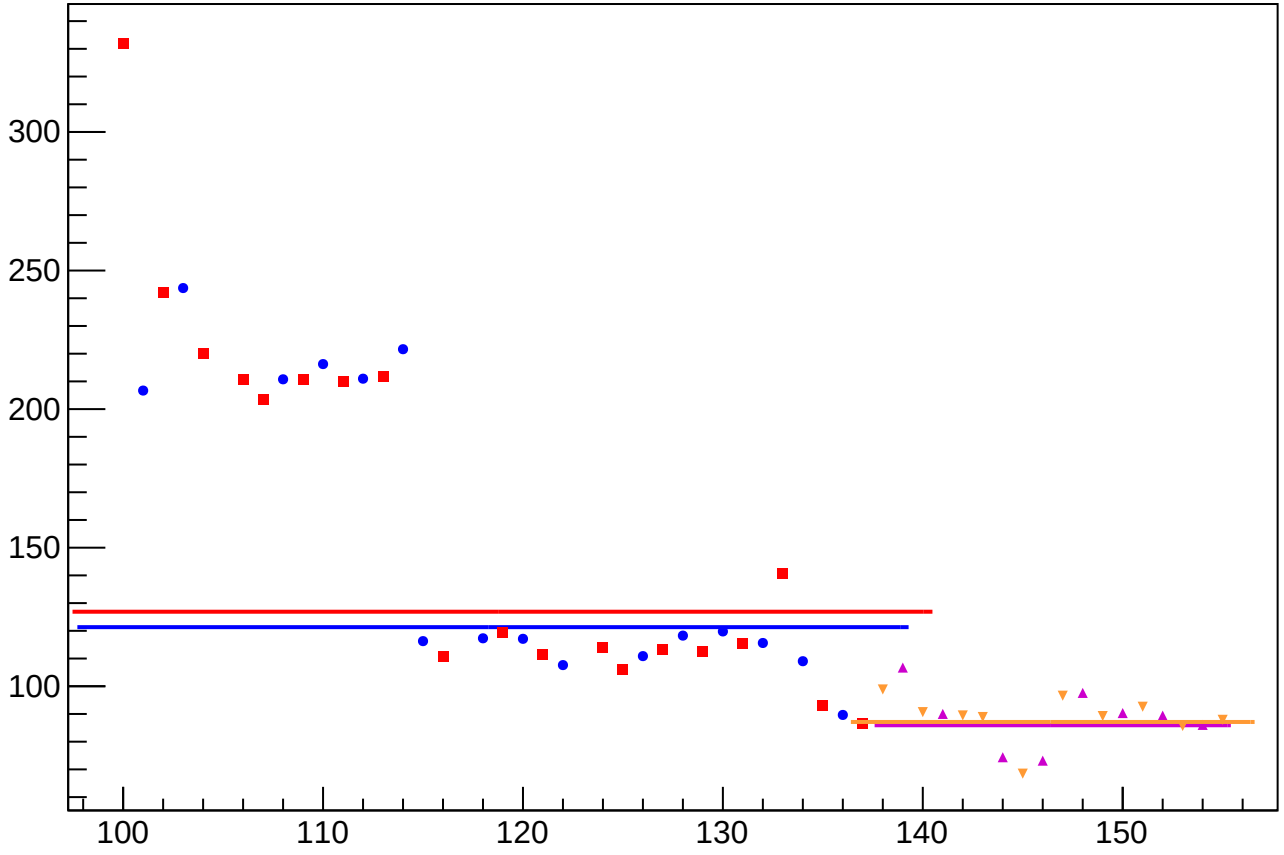
Left In: -92.164+/-32.904 χ^2/NDF:6.1/7

+ sign 85.222+/-26.240 χ^2/NDF: 36.4/25

All: 3.858+/-18.943 χ^2/NDF: 78.8/52

- sign -84.687+/-27.374 χ^2/NDF: 22.3/26

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.113+/-0.022 χ^2/NDF:164333.2/9

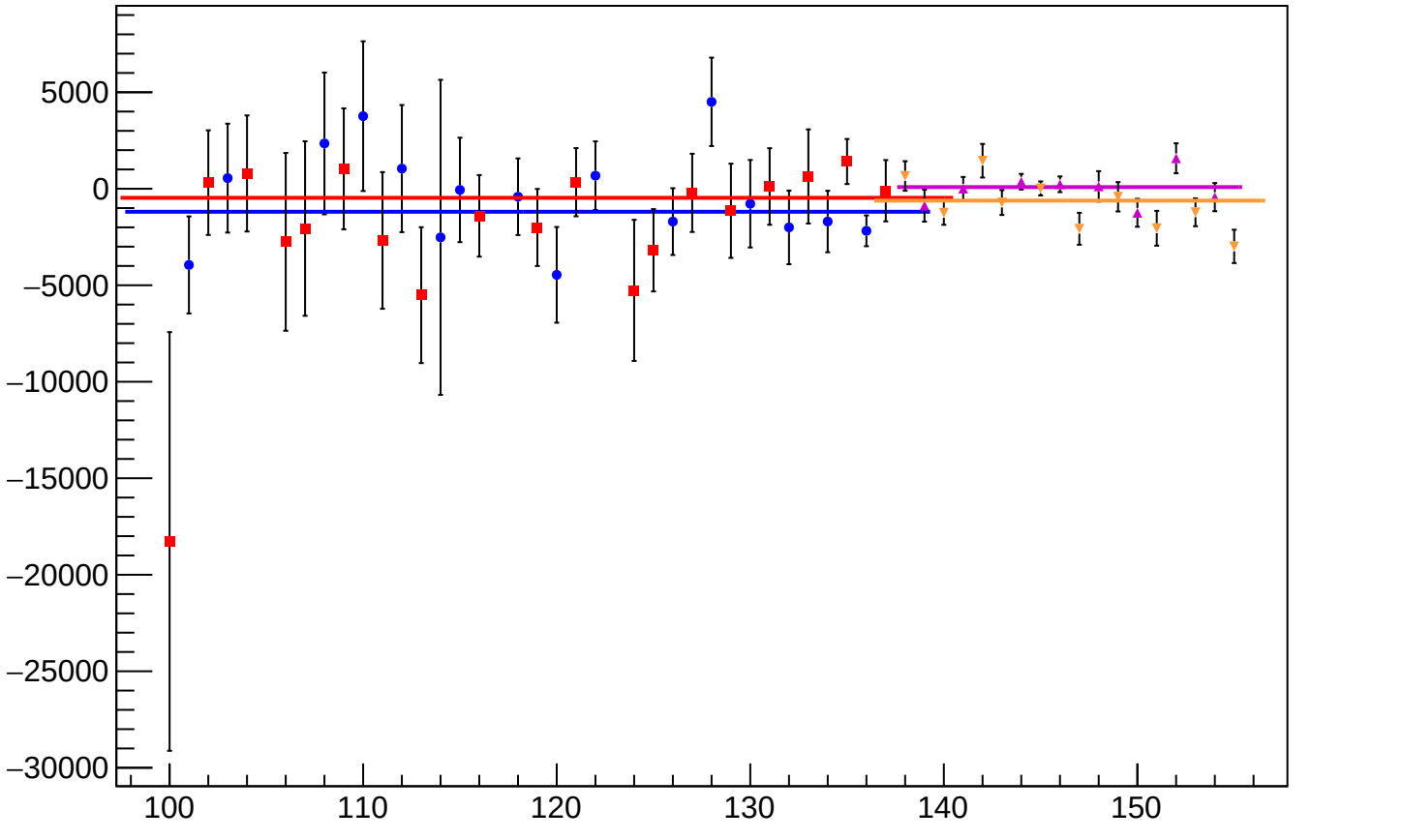
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.926+/-0.023 χ^2/NDF:192848.2/7

\+ sign 97.496+/-0.019 χ^2/NDF: 2169685.0/25

All: 97.997+/-0.013 χ^2/NDF: 4784209.4/52

\- sign 98.541+/-0.019 χ^2/NDF: 2613006.5/26



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -615.075+/-207.114 χ^2/NDF:26.5/9

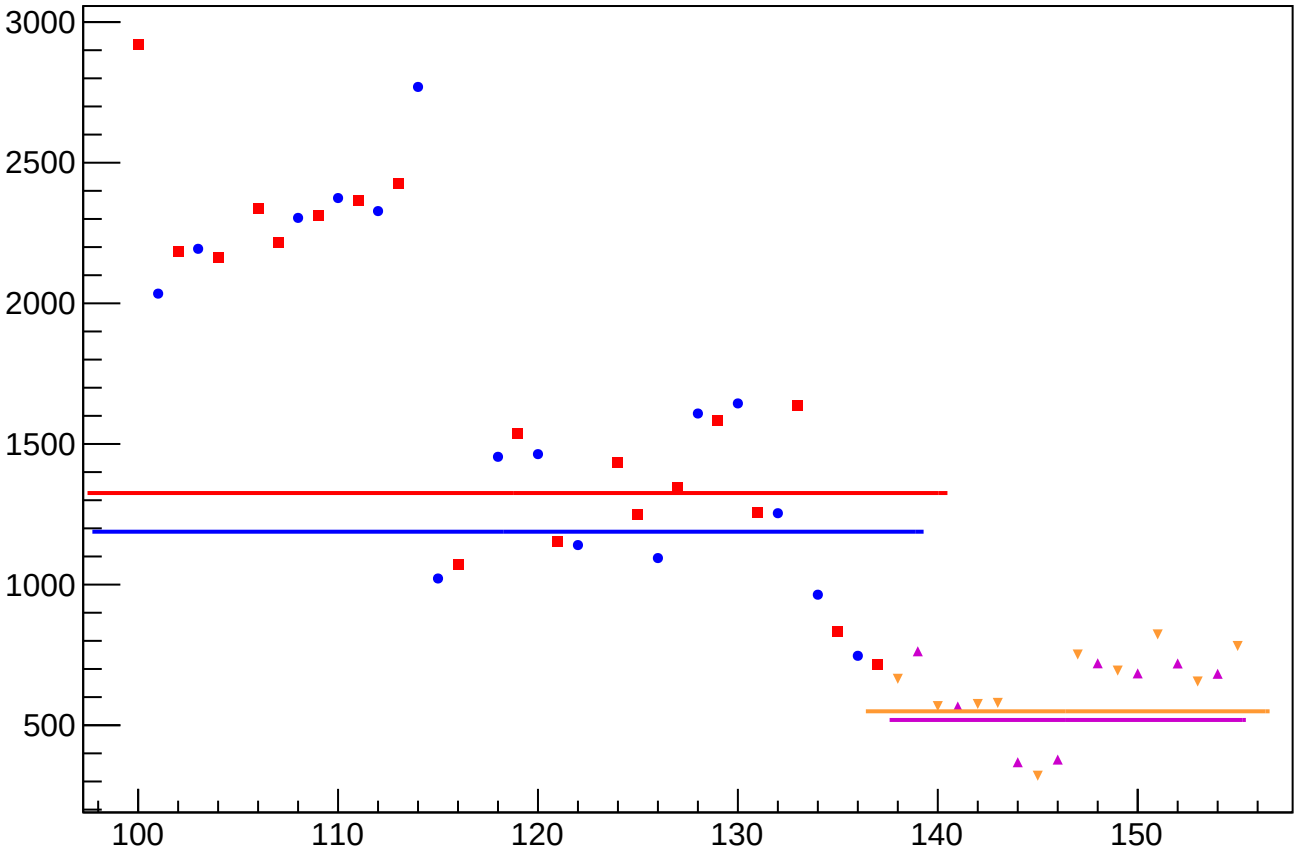
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 86.002+/-206.838 χ^2/NDF:9.5/7

+ sign -705.999+/-190.098 χ^2/NDF: 43.6/25

All: -351.812+/-135.192 χ^2/NDF: 74.5/52

- sign 10.638+/-192.303 χ^2/NDF: 23.9/26



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 549.520+/-0.146 χ^2/NDF:1415981.2/9

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

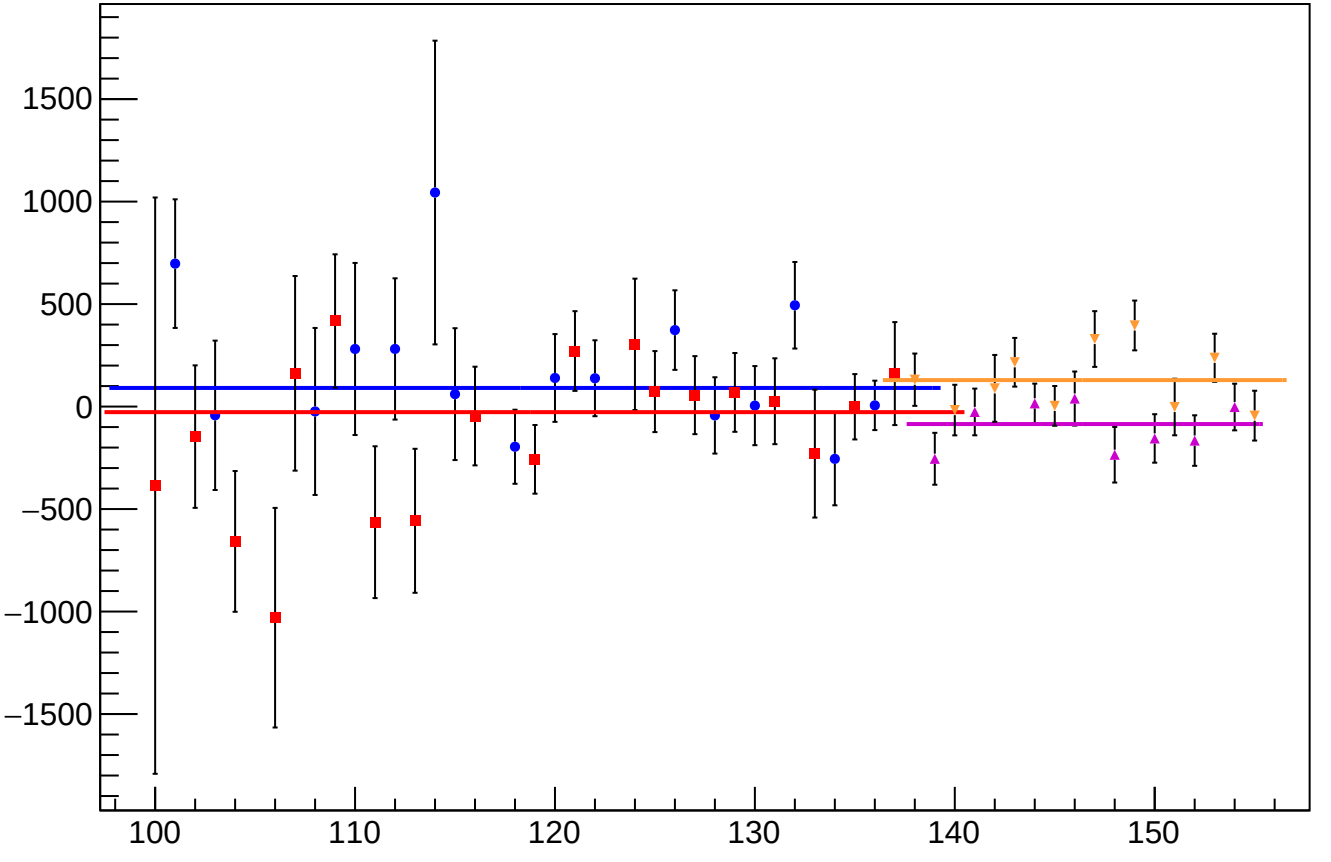
Left In: 518.750+/-0.146 χ^2/NDF:1171321.2/7

+ sign 650.131+/-0.134 χ^2/NDF: 6456020.8/25

All: 639.273+/-0.096 χ^2/NDF: 13688278.1/52

- sign 628.162+/-0.136 χ^2/NDF: 7219055.5/26

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 129.136+/-39.023 χ^2/NDF:14.5/9

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

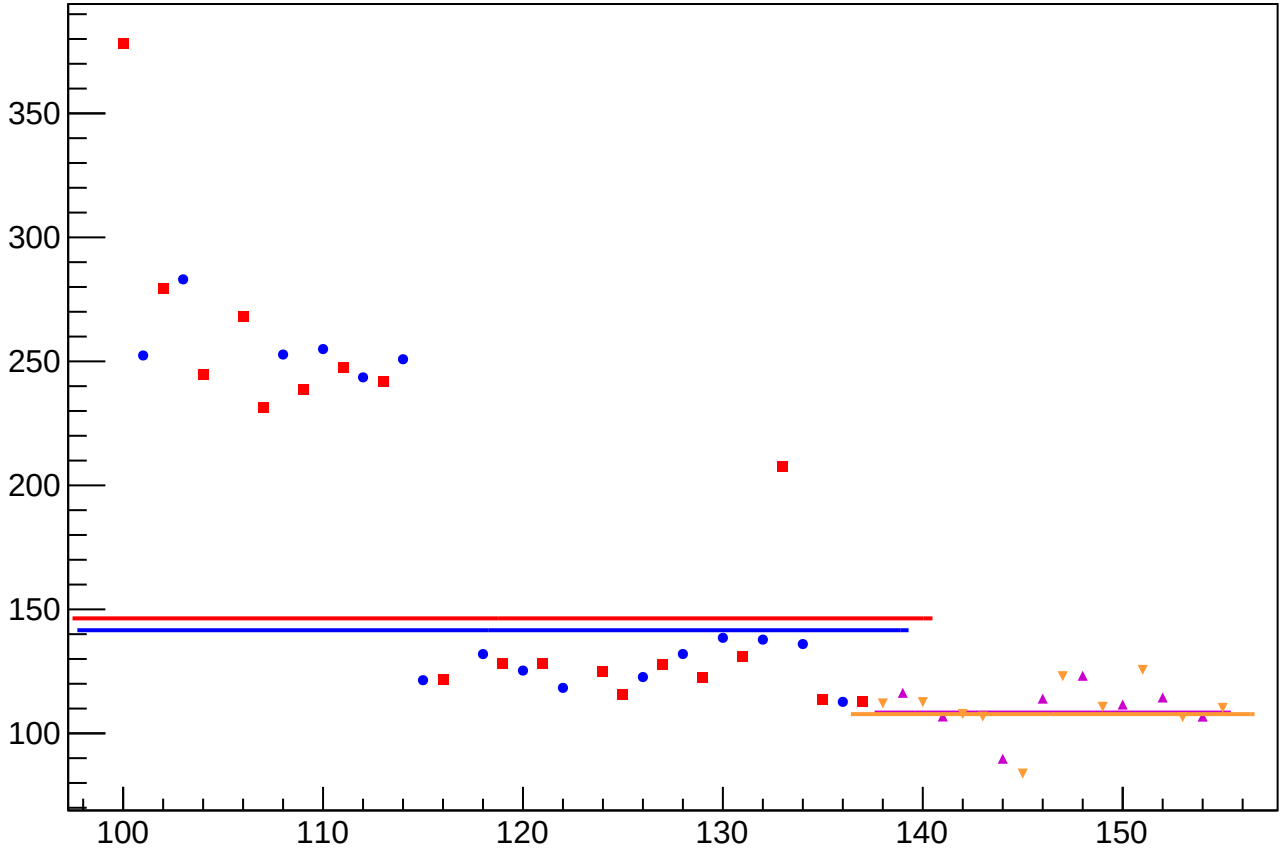
Left In: -85.271+/-41.747 χ^2/NDF:6.6/7

+ sign 116.509+/-31.935 χ^2/NDF: 32.9/25

All: 30.591+/-23.175 χ^2/NDF: 76.0/52

- sign -64.993+/-33.683 χ^2/NDF: 27.8/26

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.758+/-0.028 χ^2/NDF:188742.1/9

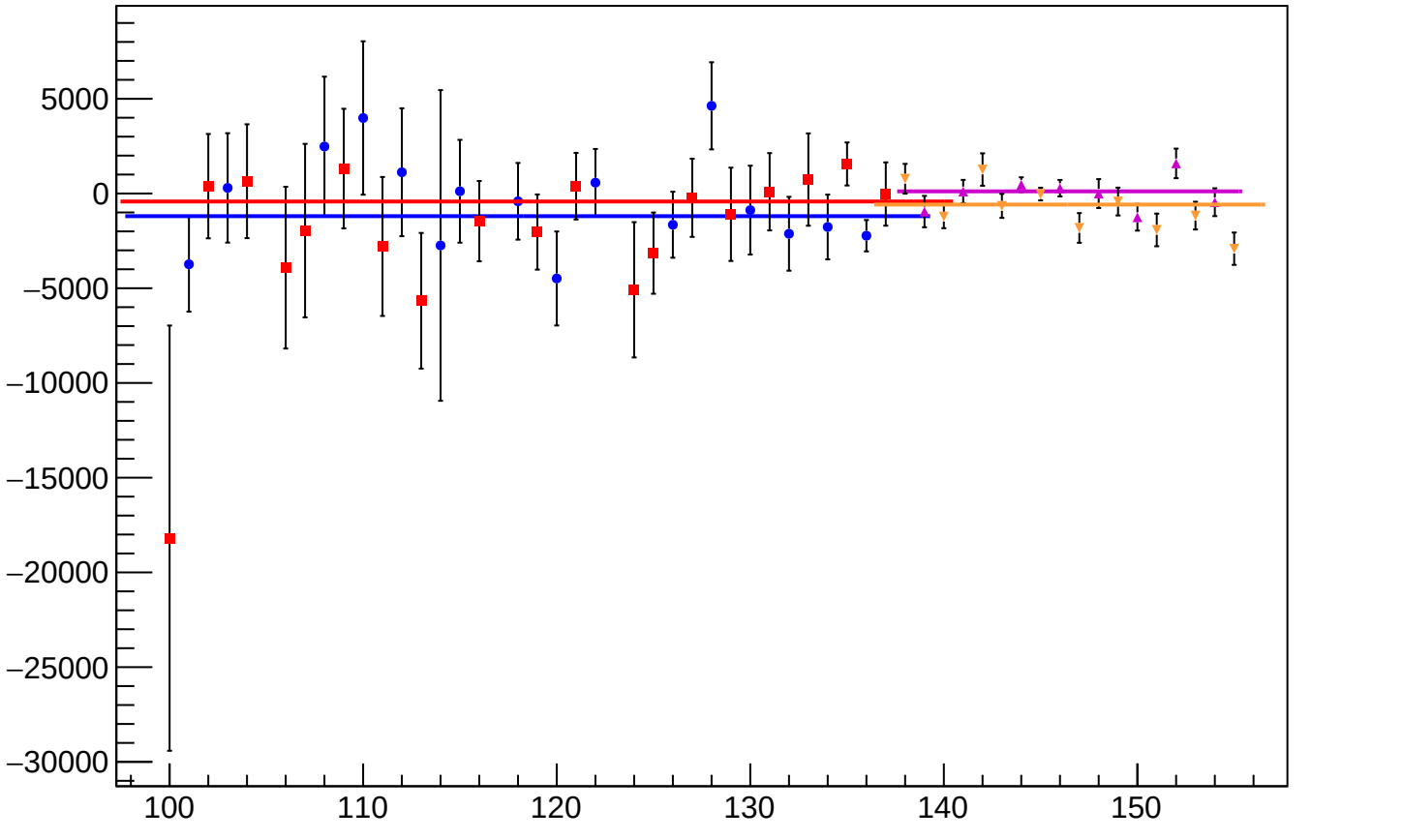
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.395+/-0.030 χ^2/NDF:117513.7/7

+ sign 118.932+/-0.023 χ^2/NDF: 1947542.2/25

All: 120.218+/-0.016 χ^2/NDF: 4163095.1/52

- sign 121.648+/-0.024 χ^2/NDF: 2208703.6/26



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -584.301+/-199.199 χ^2/NDF:24.6/9

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

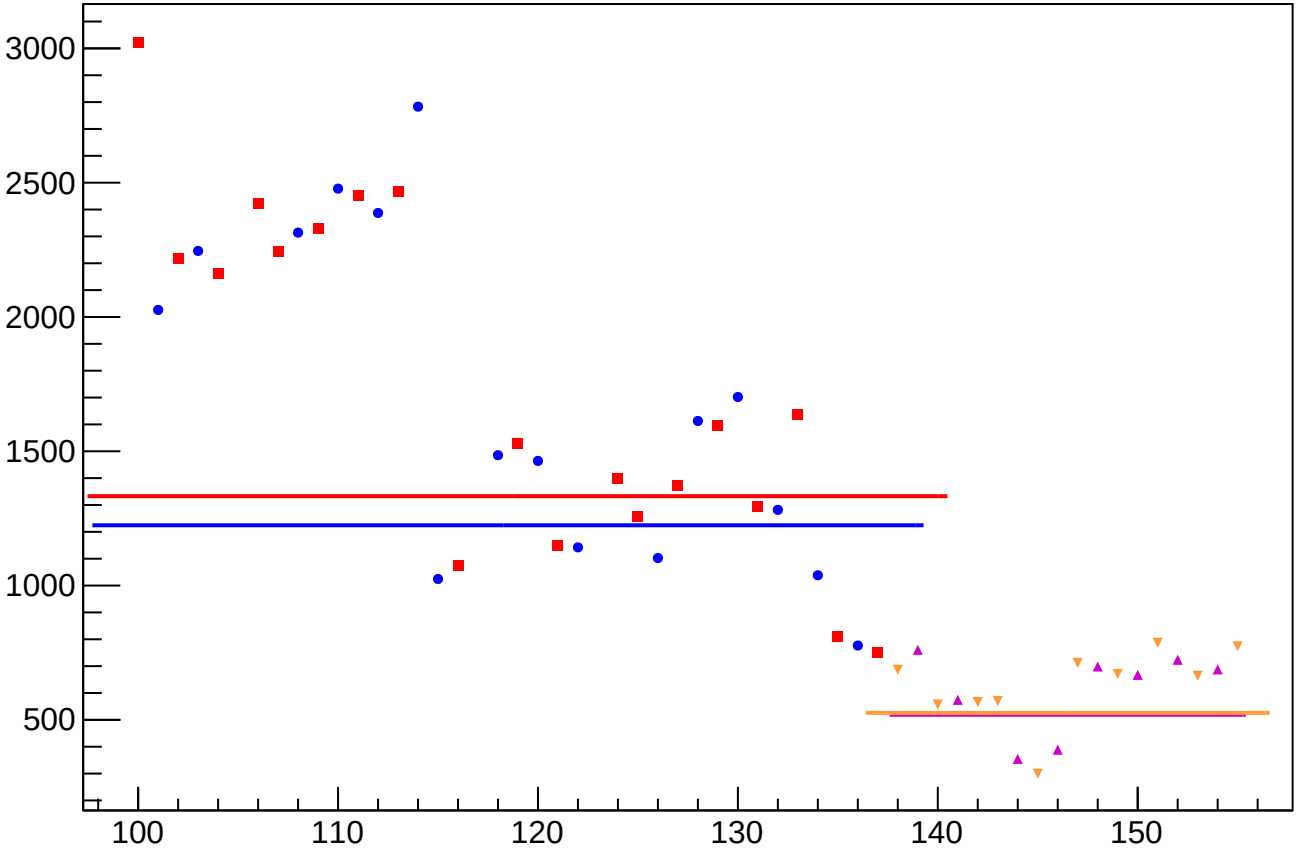
Left In: 113.498+/-207.770 χ^2/NDF:10.6/7

+ sign -670.730+/-184.607 χ^2/NDF: 41.9/25

All: -331.072+/-133.449 χ^2/NDF: 74.7/52

- sign 40.685+/-193.133 χ^2/NDF: 25.8/26

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 526.004+/-0.141 χ^2/NDF:1637287.7/9

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

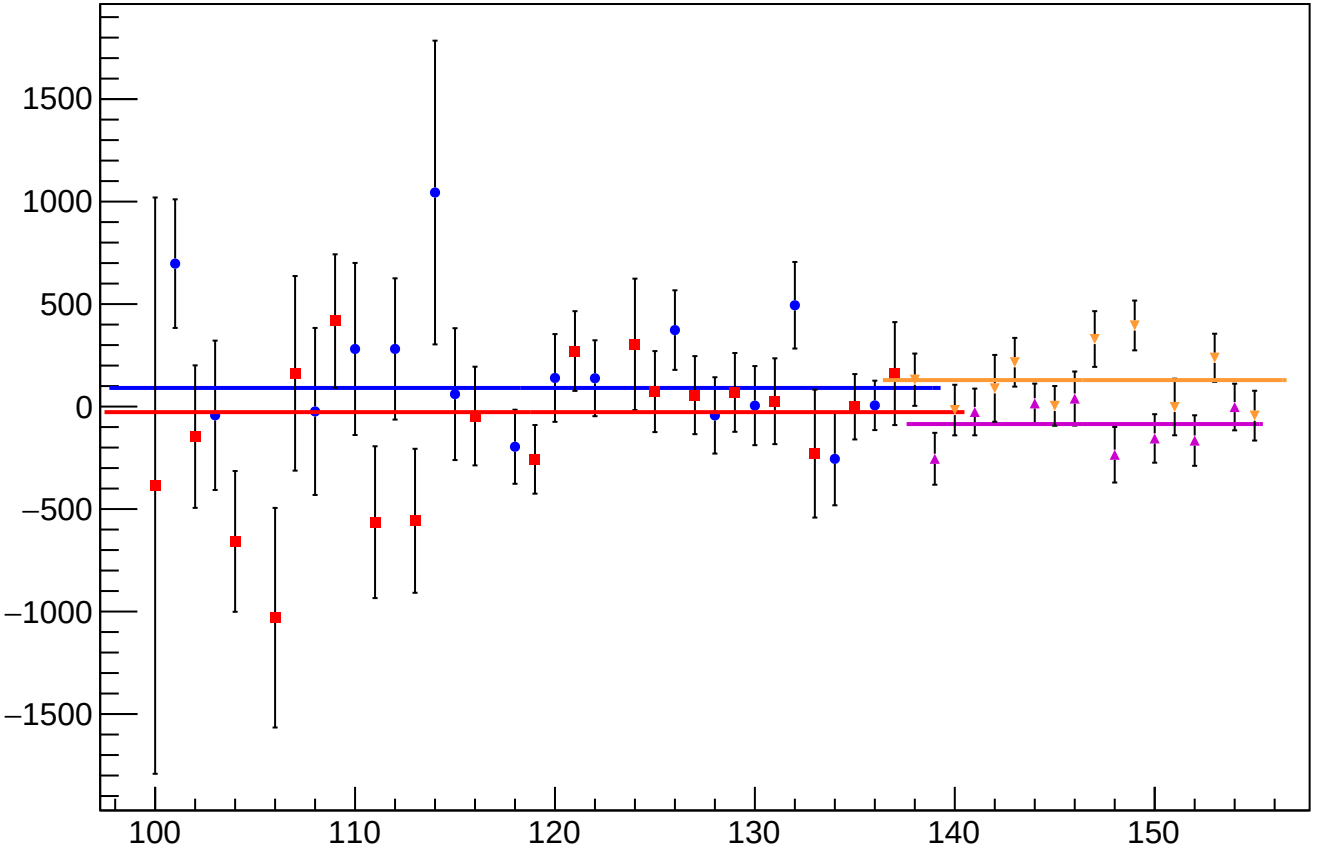
Left In: 518.885+/-0.147 χ^2/NDF:1161563.9/7

+ sign 624.586+/-0.131 χ^2/NDF: 7067219.5/25

All: 626.942+/-0.094 χ^2/NDF: 14396162.7/52

- sign 629.520+/-0.137 χ^2/NDF: 7328261.1/26

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 129.134+/-39.024 χ^2/NDF:14.5/9

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

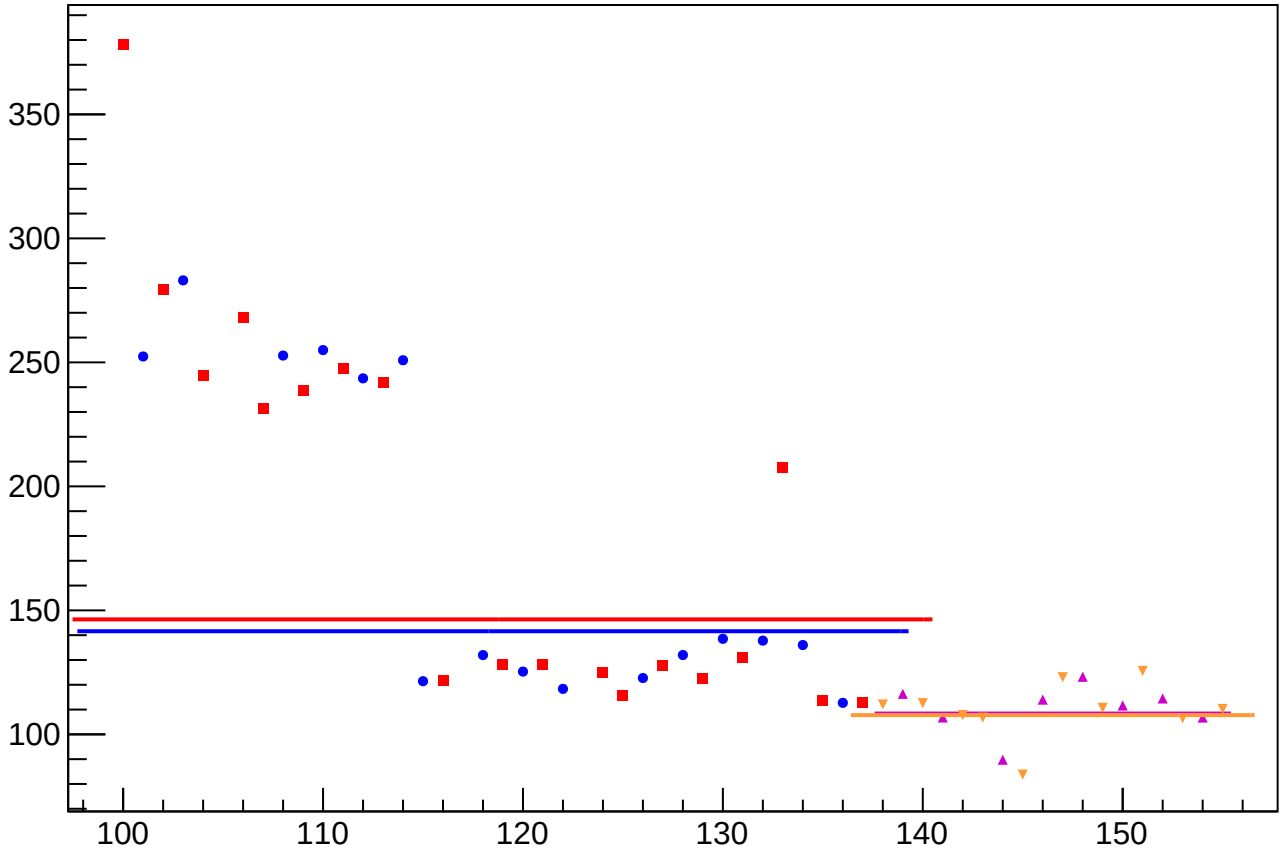
Left In: -85.270+/-41.747 χ^2/NDF:6.6/7

+ sign 116.508+/-31.935 χ^2/NDF: 32.9/25

All: 30.591+/-23.175 χ^2/NDF: 76.0/52

- sign -64.992+/-33.683 χ^2/NDF: 27.8/26

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.759+/-0.028 χ^2/NDF:188734.0/9

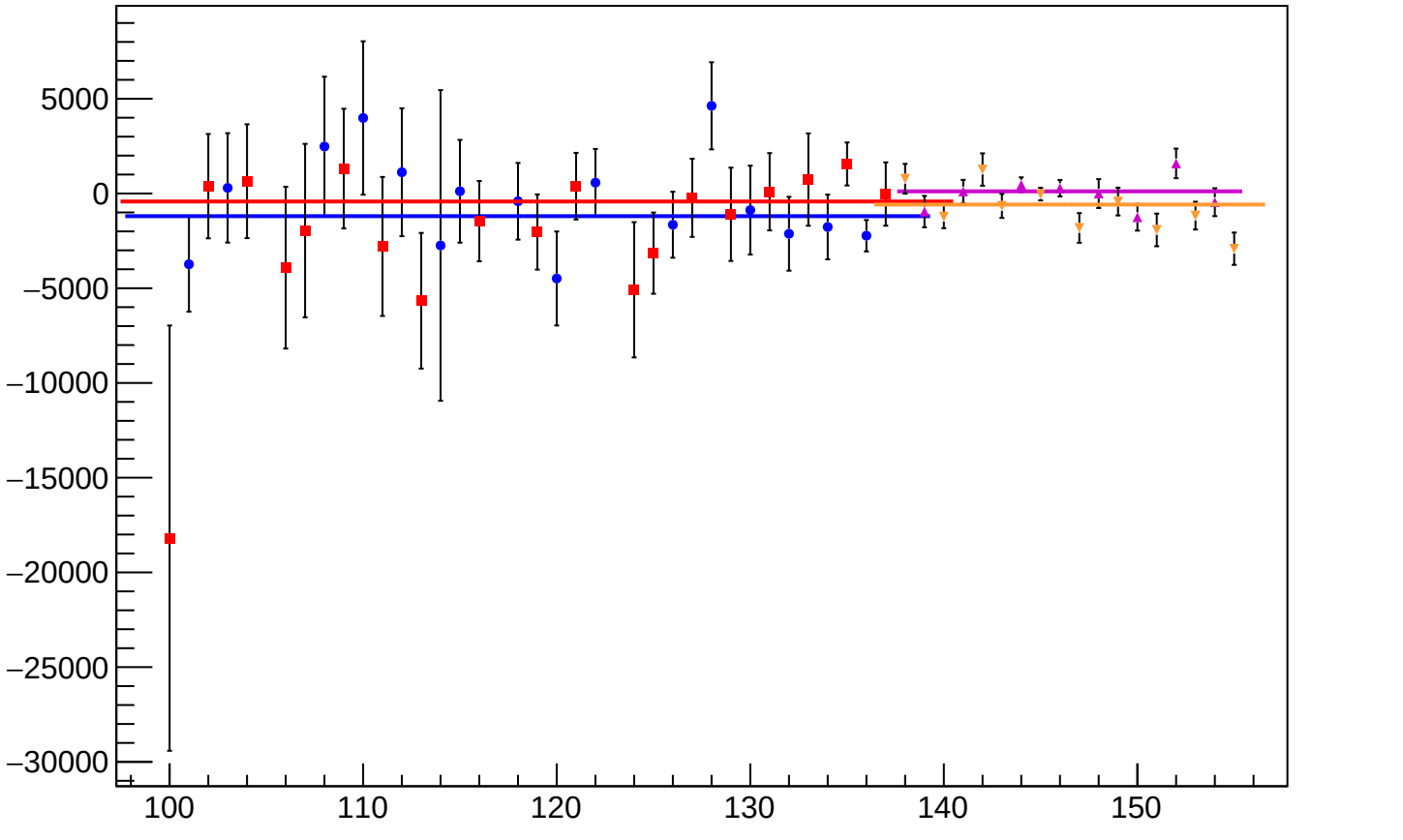
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.396+/-0.030 χ^2/NDF:117511.0/7

+ sign 118.932+/-0.023 χ^2/NDF: 1947488.0/25

All: 120.218+/-0.016 χ^2/NDF: 4163000.4/52

- sign 121.649+/-0.024 χ^2/NDF: 2208662.5/26



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -584.298+/-199.199 χ^2/NDF:24.6/9

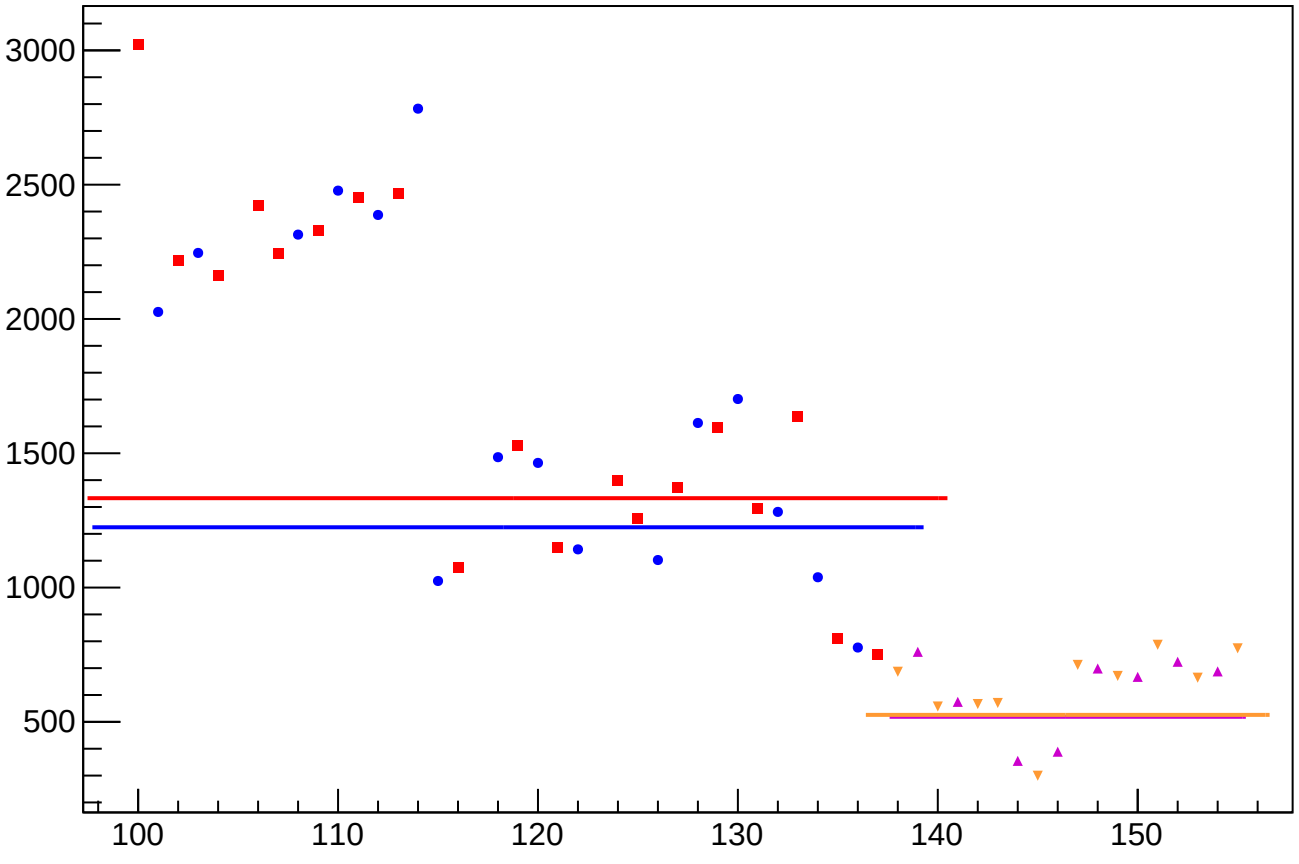
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 113.498+/-207.769 χ^2/NDF:10.6/7

+ sign -670.727+/-184.607 χ^2/NDF: 41.9/25

All: -331.071+/-133.449 χ^2/NDF: 74.7/52

- sign 40.684+/-193.133 χ^2/NDF: 25.8/26



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 526.001+/-0.141 χ^2/NDF:1637328.2/9

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

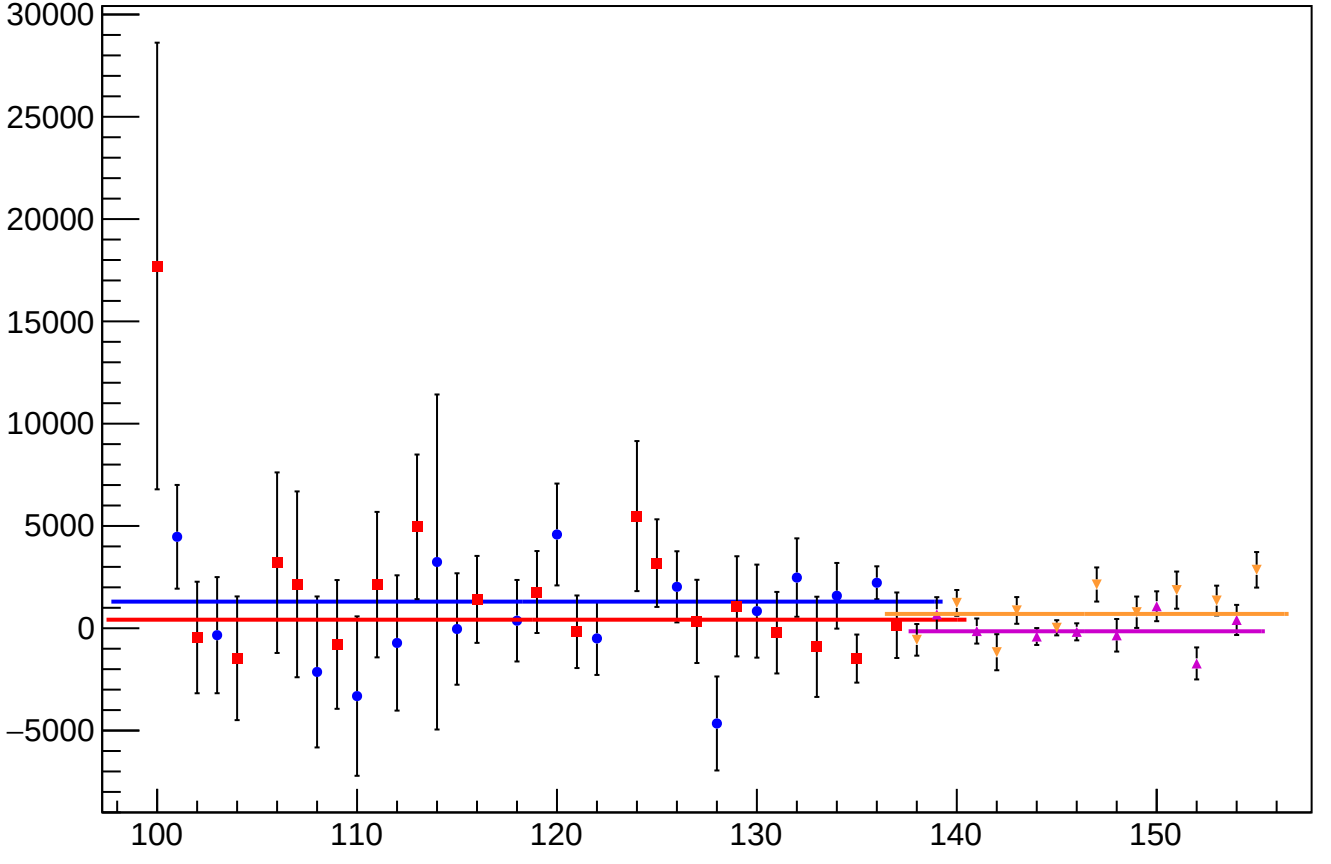
Left In: 518.883+/-0.147 χ^2/NDF:1161577.2/7

+ sign 624.584+/-0.131 χ^2/NDF: 7067267.0/25

All: 626.940+/-0.094 χ^2/NDF: 14396222.4/52

- sign 629.519+/-0.137 χ^2/NDF: 7328272.8/26

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 700.559+/-210.141 χ^2/NDF:22.9/9

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

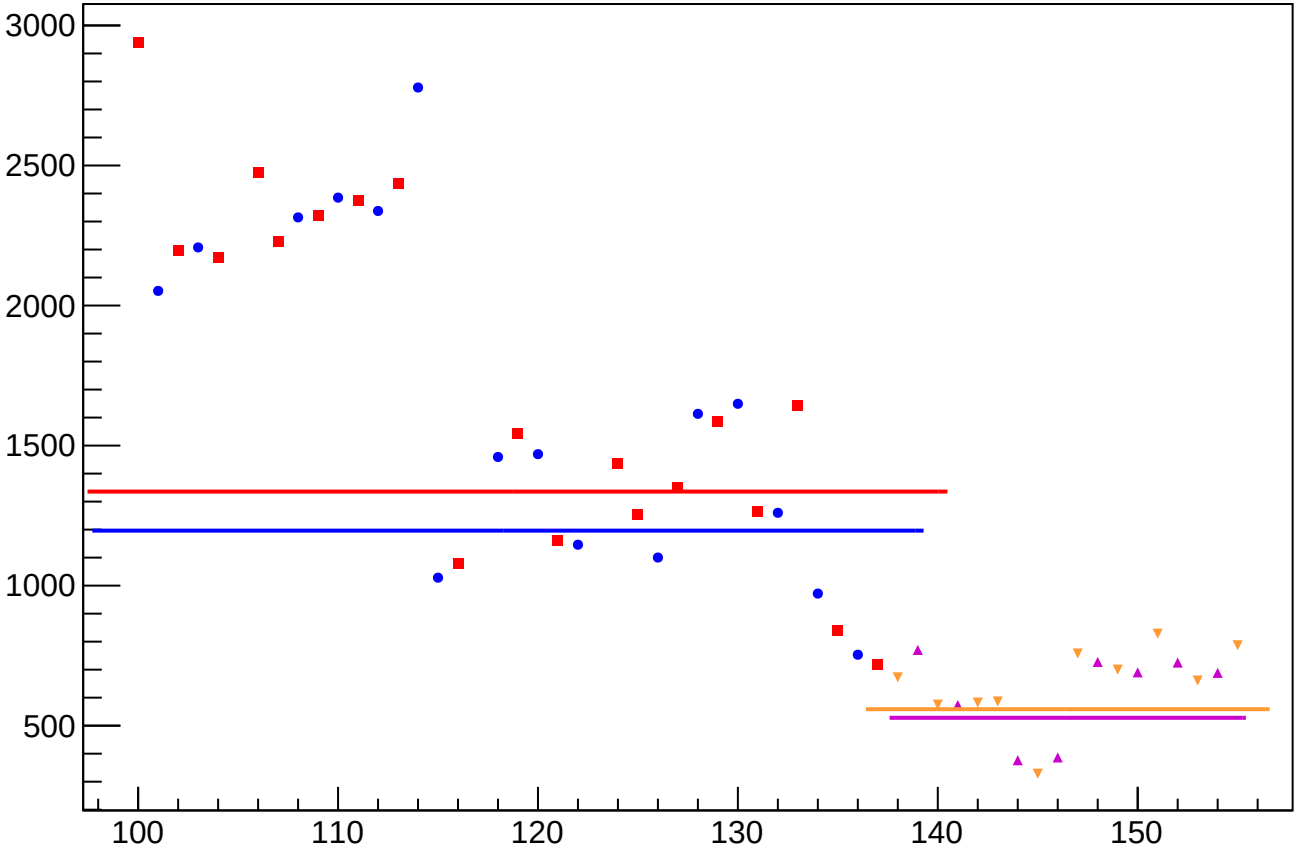
Left In: -148.128+/-210.135 χ^2/NDF:8.8/7

+ sign 796.573+/-192.627 χ^2/NDF: 40.7/25

All: 368.835+/-137.061 χ^2/NDF: 73.6/52

- sign -69.791+/-195.063 χ^2/NDF: 22.9/26

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 558.790+/-0.149 χ^2/NDF:1355603.8/9

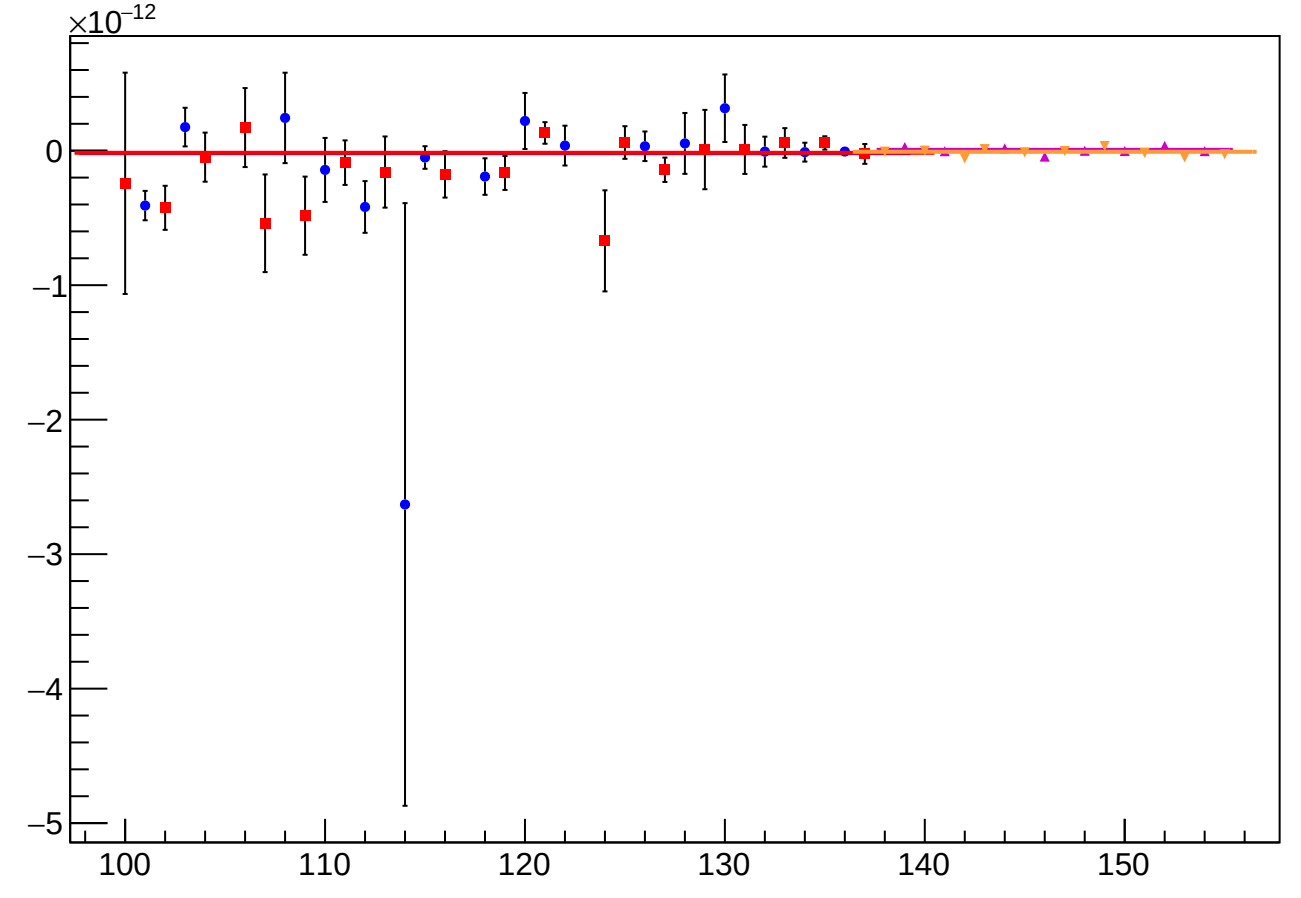
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 528.082+/-0.149 χ^2/NDF:1124893.5/7

+ sign 660.635+/-0.136 χ^2/NDF: 6328139.4/25

All: 650.345+/-0.097 χ^2/NDF: 13502993.7/52

- sign 639.794+/-0.138 χ^2/NDF: 7163295.2/26



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/9

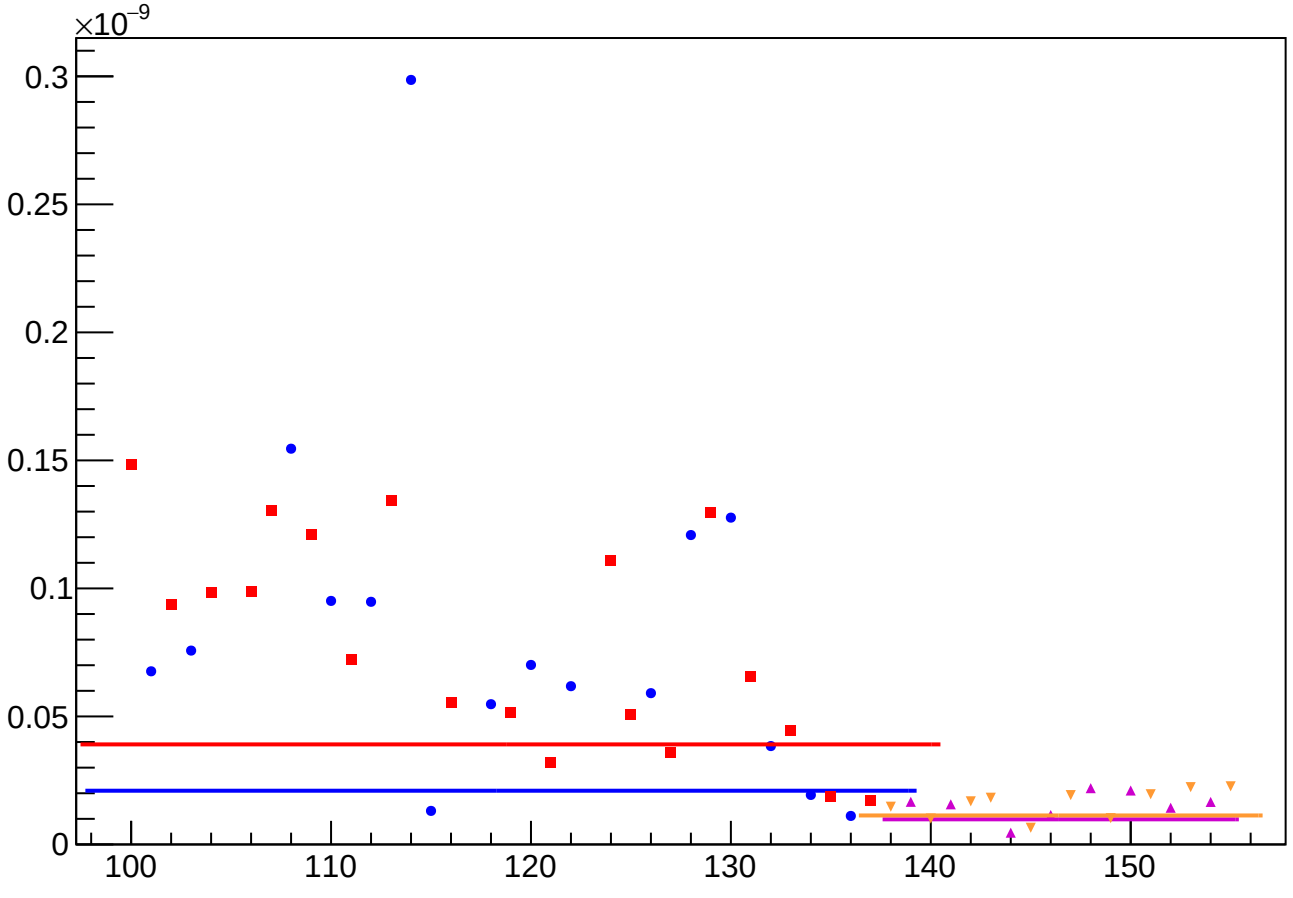
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/25

All: -0.000+/-0.000 χ^2/NDF: 74.4/52

- sign 0.000+/-0.000 χ^2/NDF: 37.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1219613.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

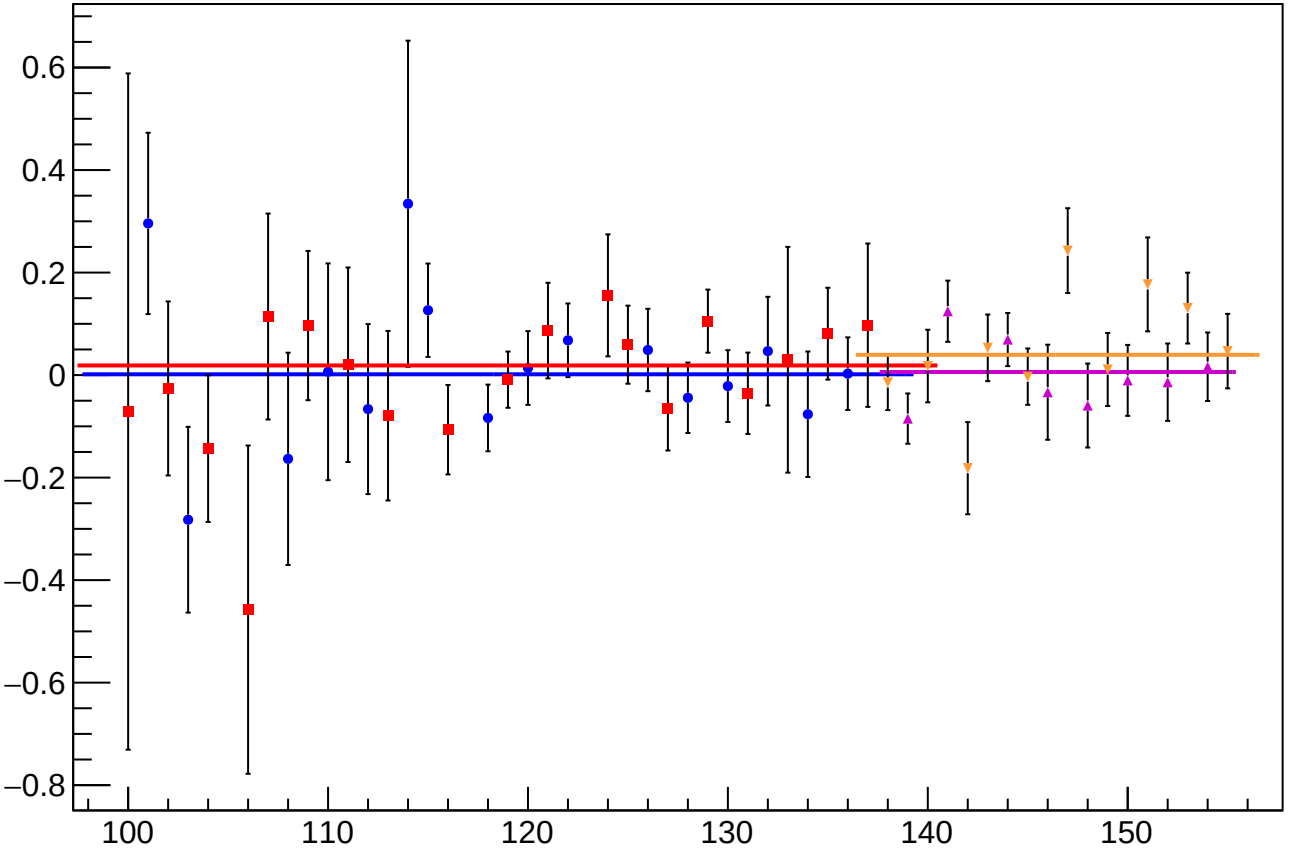
Left In: 0.000+/-0.000 χ^2/NDF:1468015.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 5111052.9/25

All: 0.000+/-0.000 χ^2/NDF: 10799079.3/52

- sign 0.000+/-0.000 χ^2/NDF: 5661679.2/26

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.040+/-0.022 χ^2/NDF:18.0/9

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

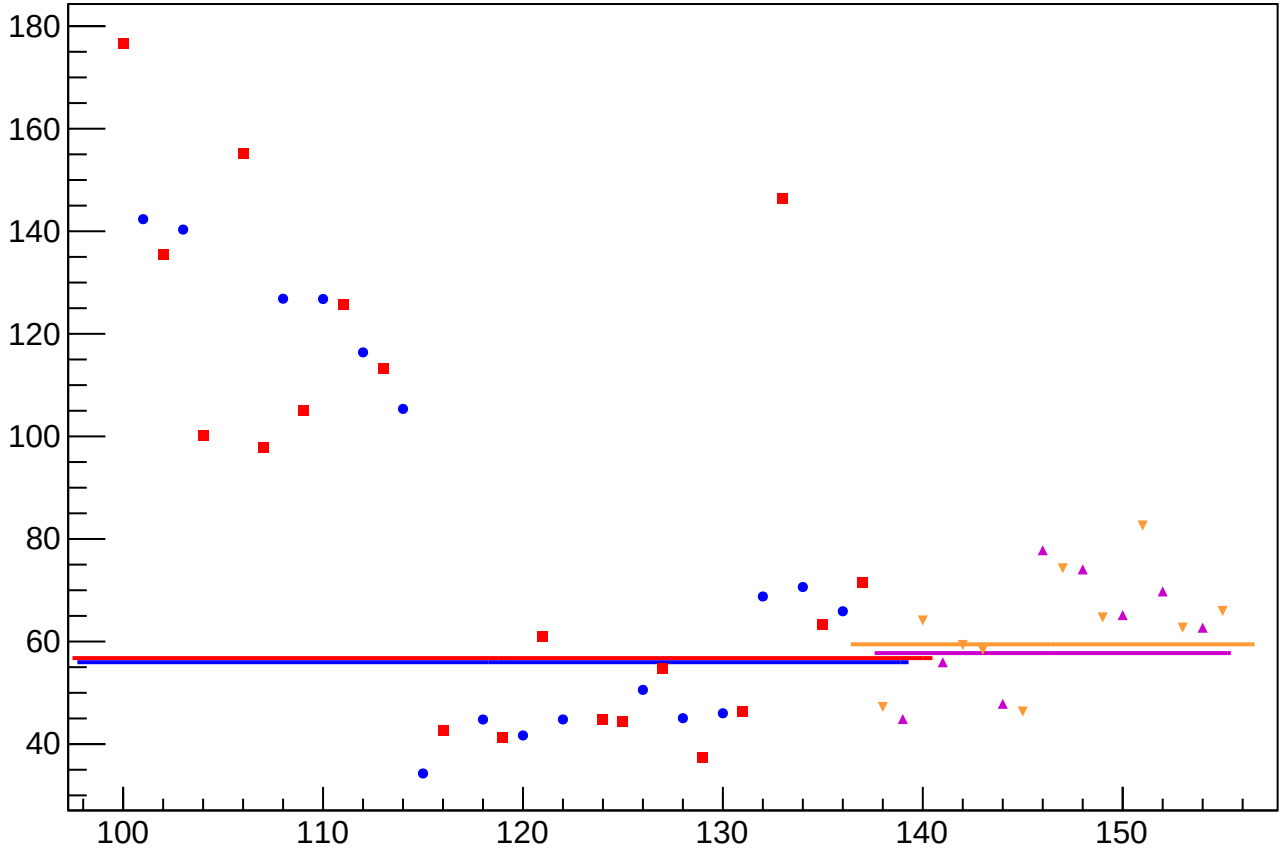
Left In: 0.006+/-0.023 χ^2/NDF:9.8/7

+ sign 0.022+/-0.016 χ^2/NDF: 32.5/25

All: 0.017+/-0.011 χ^2/NDF: 55.7/52

- sign 0.012+/-0.016 χ^2/NDF: 23.1/26

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: 59.458+/-0.015 χ^2/NDF:448515.3/9

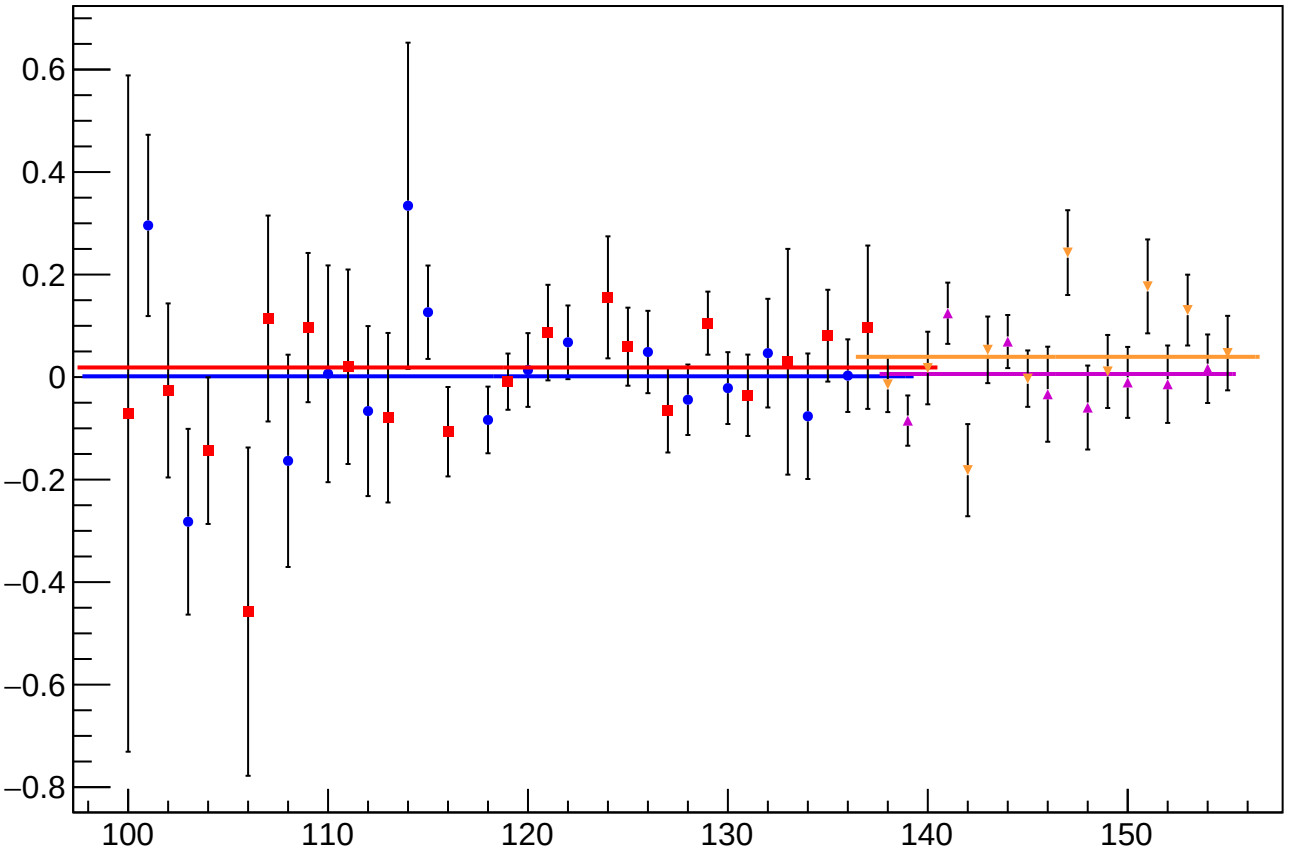
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.747+/-0.016 χ^2/NDF:469814.1/7

+ sign 57.834+/-0.011 χ^2/NDF: 2652090.2/25

All: 57.561+/-0.008 χ^2/NDF: 5678106.1/52

- sign 57.276+/-0.012 χ^2/NDF: 3024824.7/26



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.040+/-0.022 χ^2/NDF:18.0/9

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

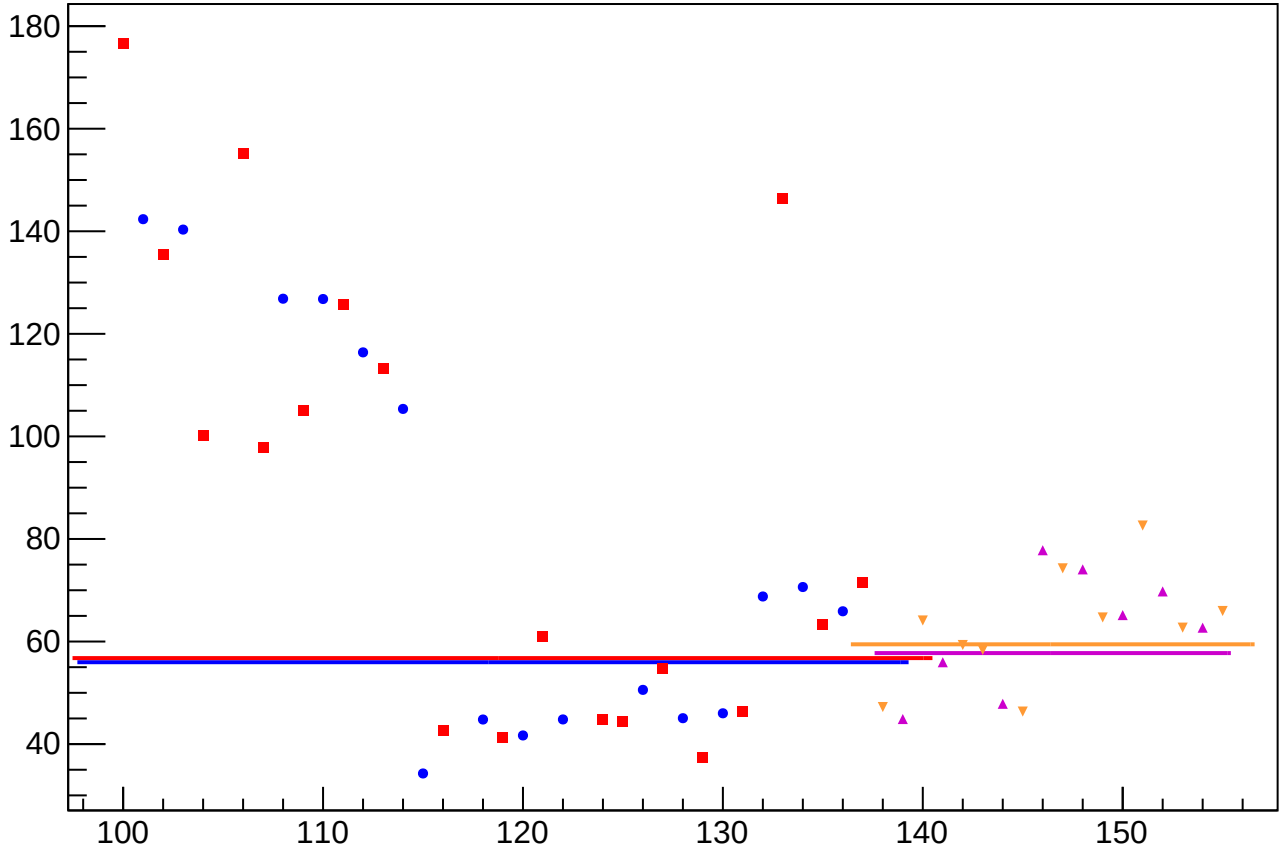
Left In: 0.006+/-0.023 χ^2/NDF:9.8/7

+ sign 0.022+/-0.016 χ^2/NDF: 32.5/25

All: 0.017+/-0.011 χ^2/NDF: 55.7/52

- sign 0.012+/-0.016 χ^2/NDF: 23.1/26

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: 59.458+/-0.015 χ^2/NDF:448515.3/9

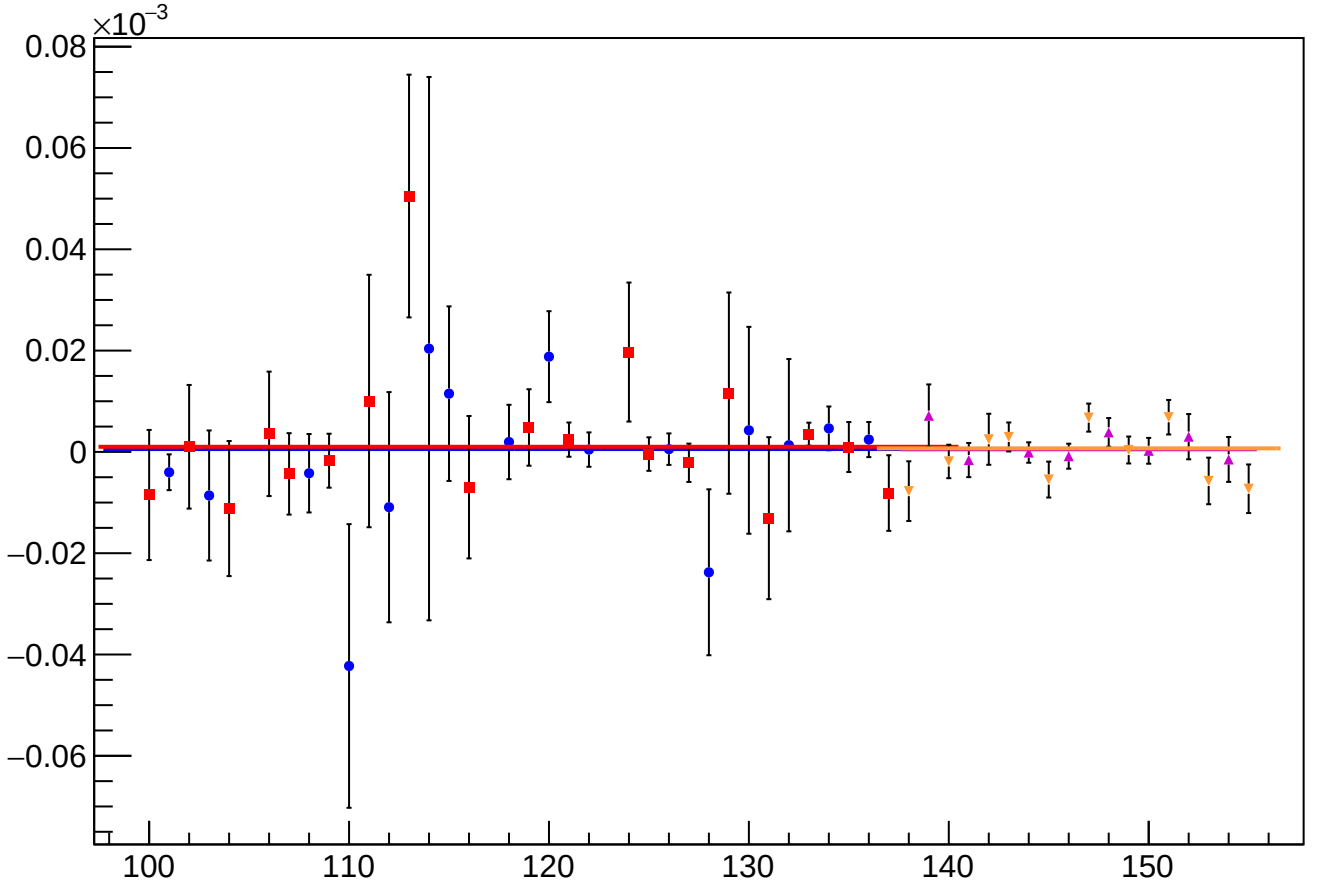
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.747+/-0.016 χ^2/NDF:469814.1/7

+ sign 57.834+/-0.011 χ^2/NDF: 2652090.2/25

All: 57.561+/-0.008 χ^2/NDF: 5678106.1/52

- sign 57.276+/-0.012 χ^2/NDF: 3024824.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/9

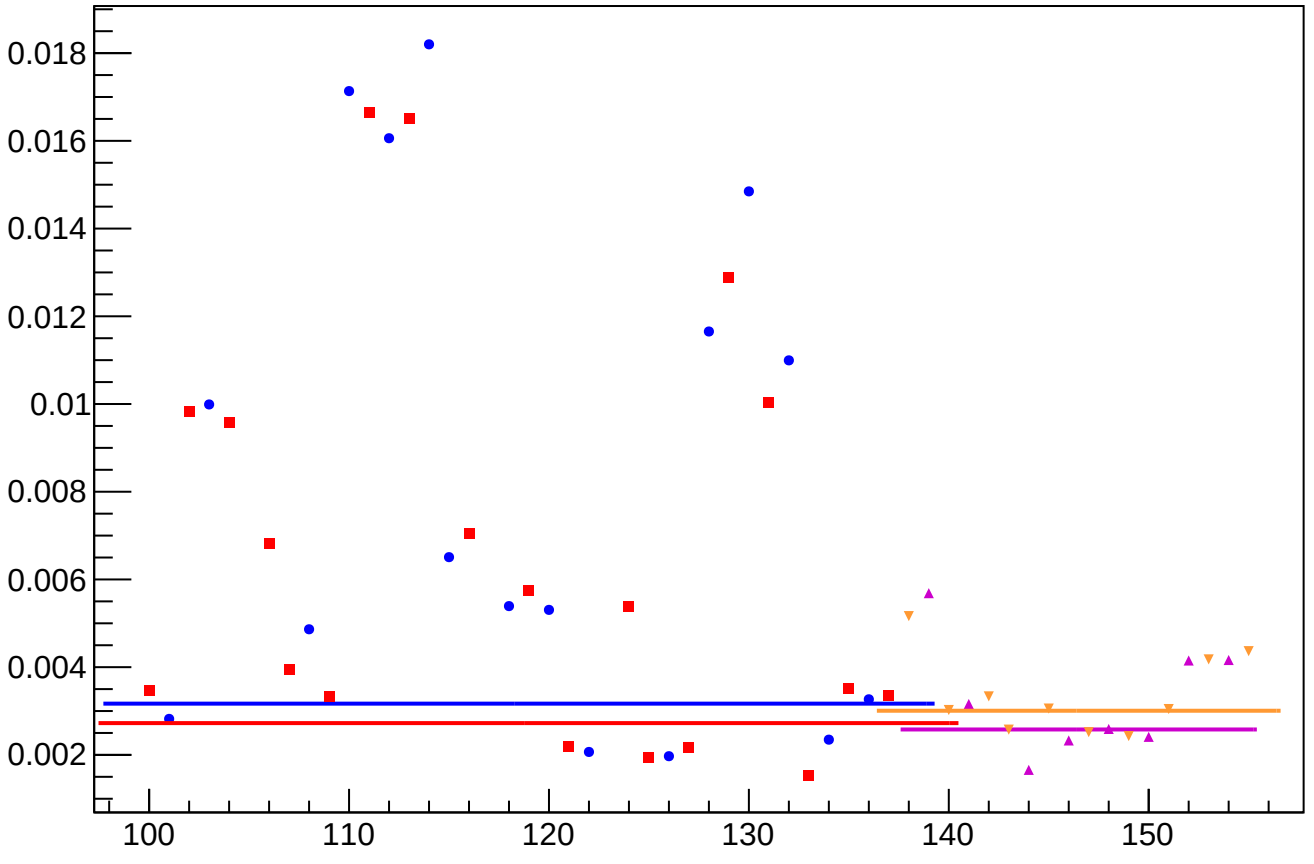
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/25

All: 0.000+/-0.000 χ^2/NDF: 50.3/52

- sign 0.000+/-0.000 χ^2/NDF: 17.8/26



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:769279.8/9

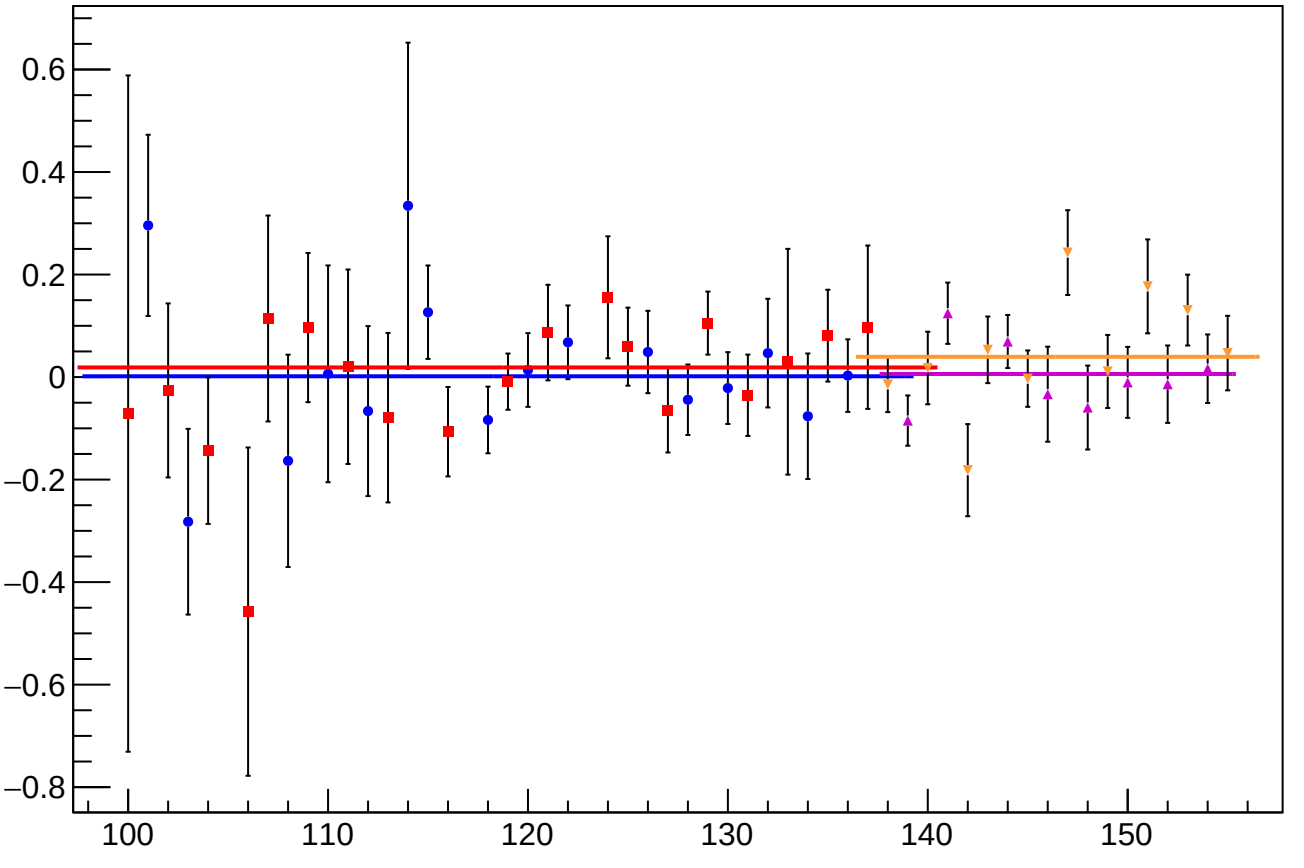
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:1513614.0/7

+ sign 0.003+/-0.000 χ^2/NDF: 5330646.4/25

All: 0.003+/-0.000 χ^2/NDF: 12268678.4/52

- sign 0.003+/-0.000 χ^2/NDF: 6682290.7/26



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.040+/-0.022 χ^2/NDF:18.0/9

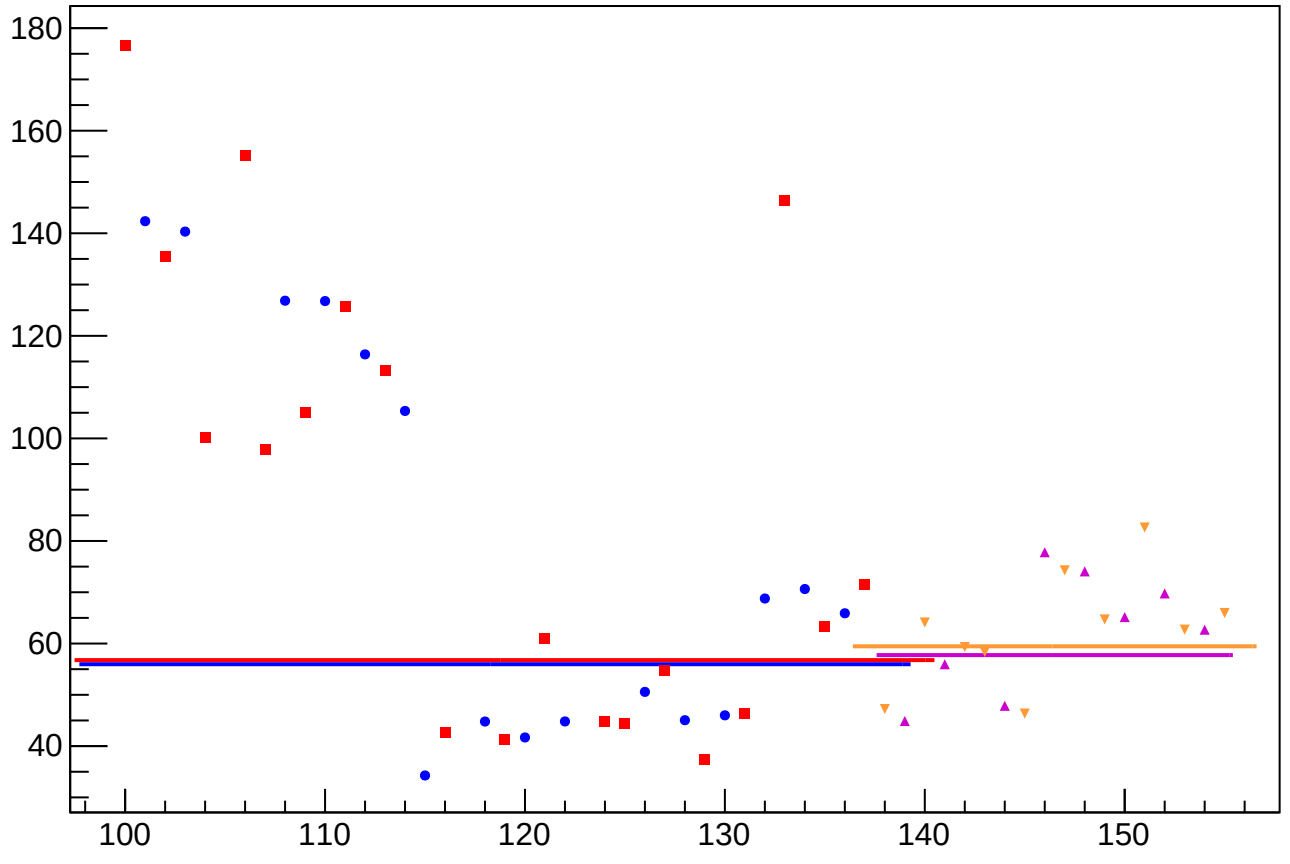
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.023 χ^2/NDF:9.8/7

+ sign 0.022+/-0.016 χ^2/NDF: 32.5/25

All: 0.017+/-0.011 χ^2/NDF: 55.7/52

- sign 0.012+/-0.016 χ^2/NDF: 23.1/26



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.459+/-0.015 χ^2/NDF:448505.0/9

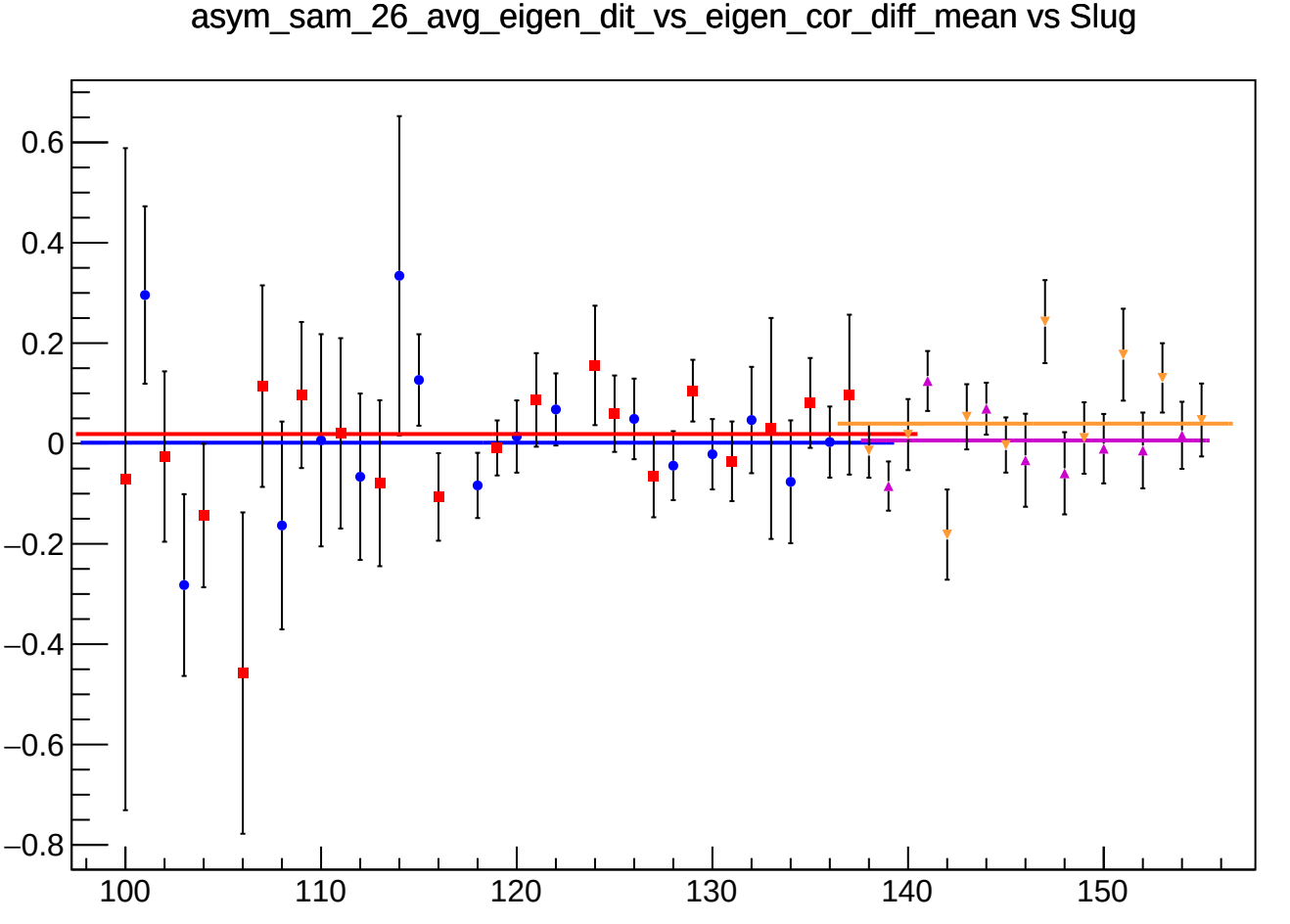
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.748+/-0.016 χ^2/NDF:469803.1/7

+ sign 57.834+/-0.011 χ^2/NDF: 2652020.8/25

All: 57.561+/-0.008 χ^2/NDF: 5677975.1/52

- sign 57.276+/-0.012 χ^2/NDF: 3024763.0/26



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.040+/-0.022 χ^2/NDF:18.0/9

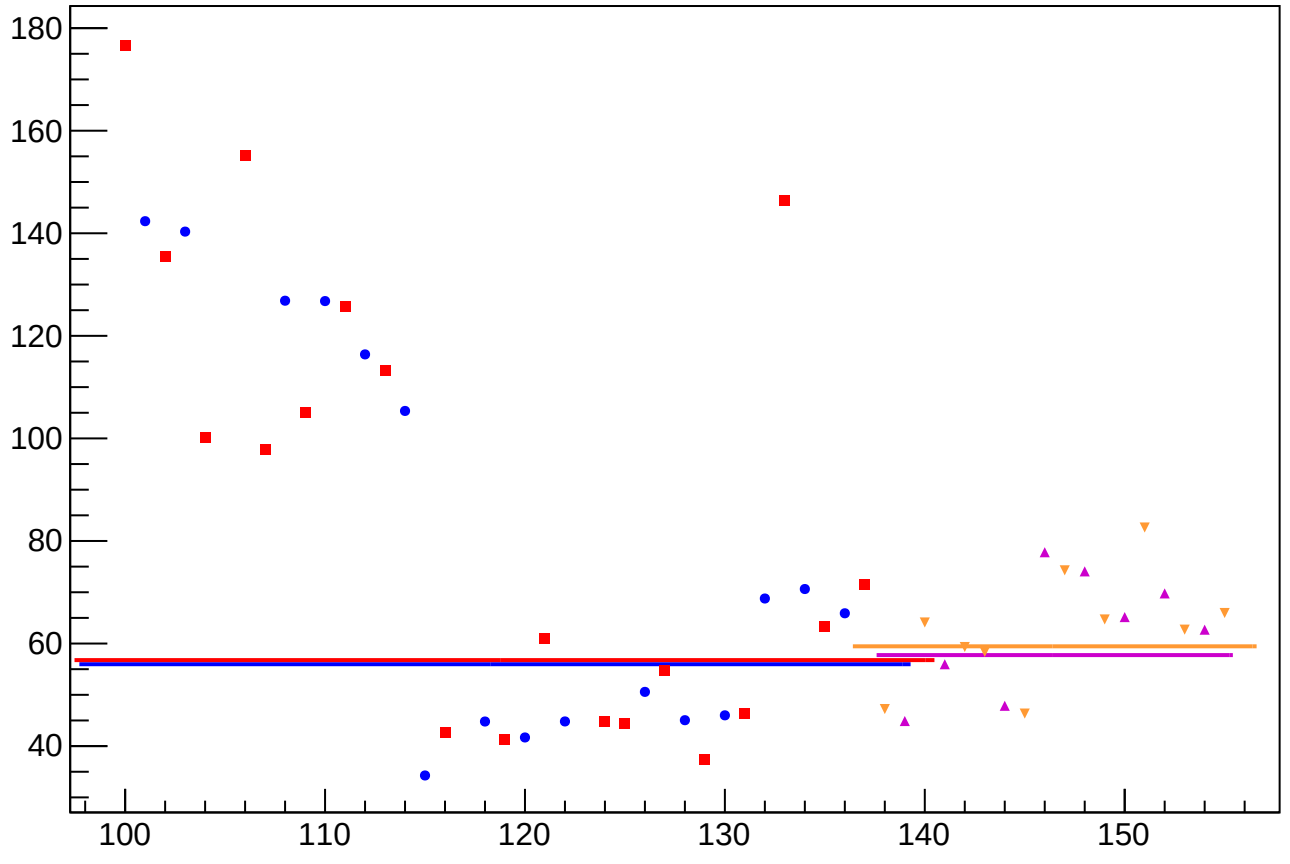
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.023 χ^2/NDF:9.8/7

+ sign 0.022+/-0.016 χ^2/NDF: 32.5/25

All: 0.017+/-0.011 χ^2/NDF: 55.7/52

- sign 0.012+/-0.016 χ^2/NDF: 23.1/26



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.459+/-0.015 χ^2/NDF:448505.0/9

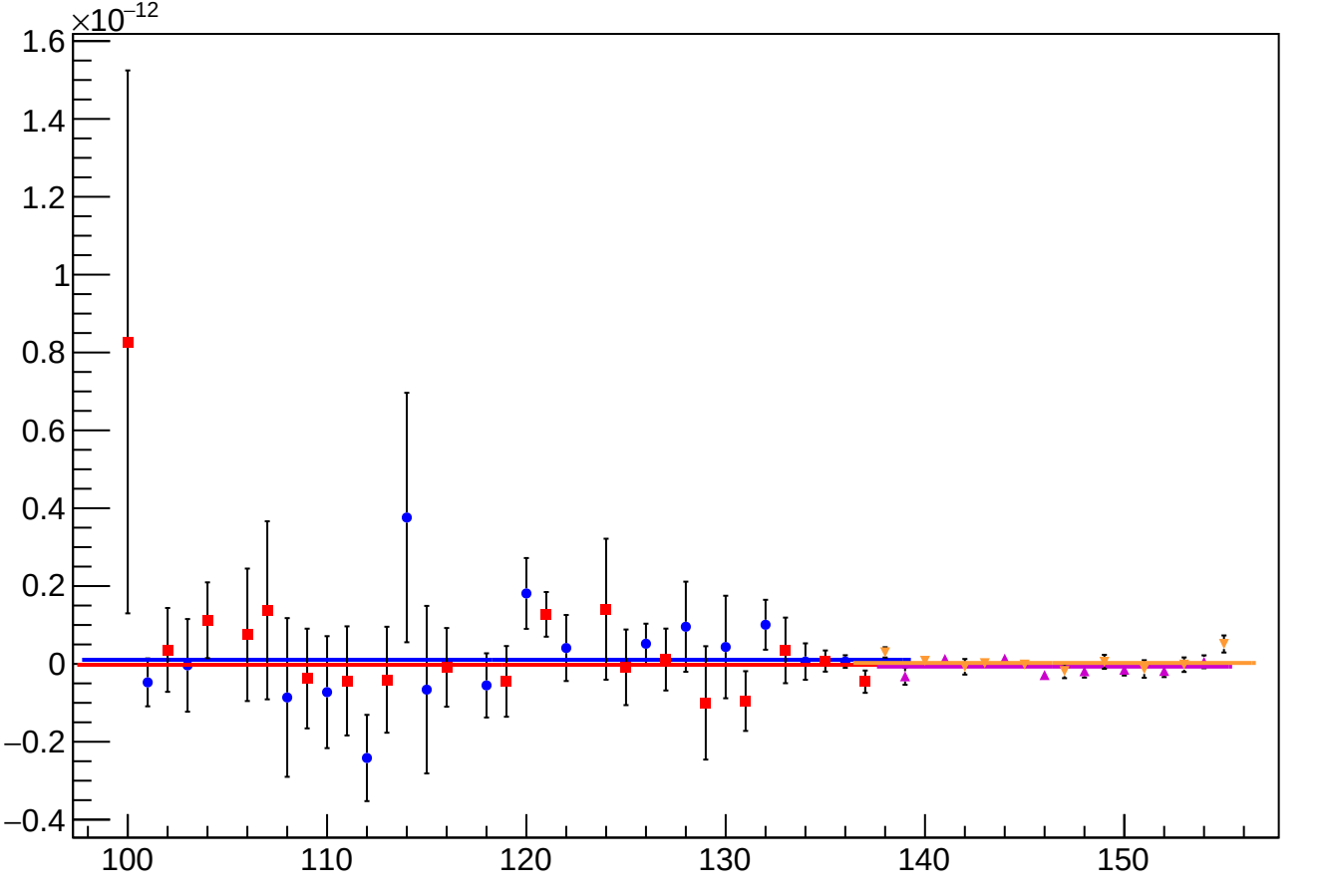
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.748+/-0.016 χ^2/NDF:469803.1/7

+ sign 57.834+/-0.011 χ^2/NDF: 2652020.8/25

All: 57.561+/-0.008 χ^2/NDF: 5677975.1/52

- sign 57.276+/-0.012 χ^2/NDF: 3024763.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/9

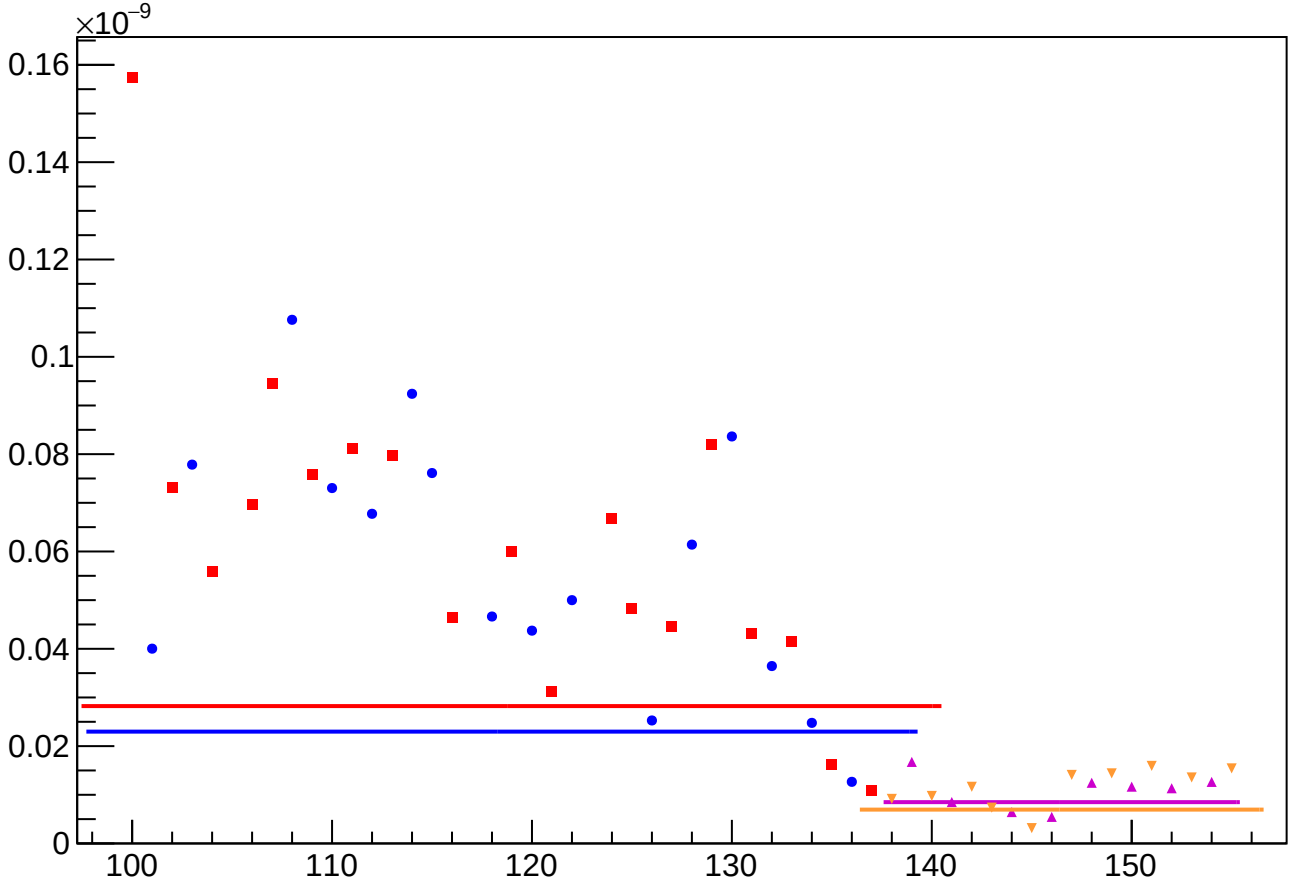
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/25

All: -0.000+/-0.000 χ^2/NDF: 64.6/52

- sign -0.000+/-0.000 χ^2/NDF: 33.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2912162.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

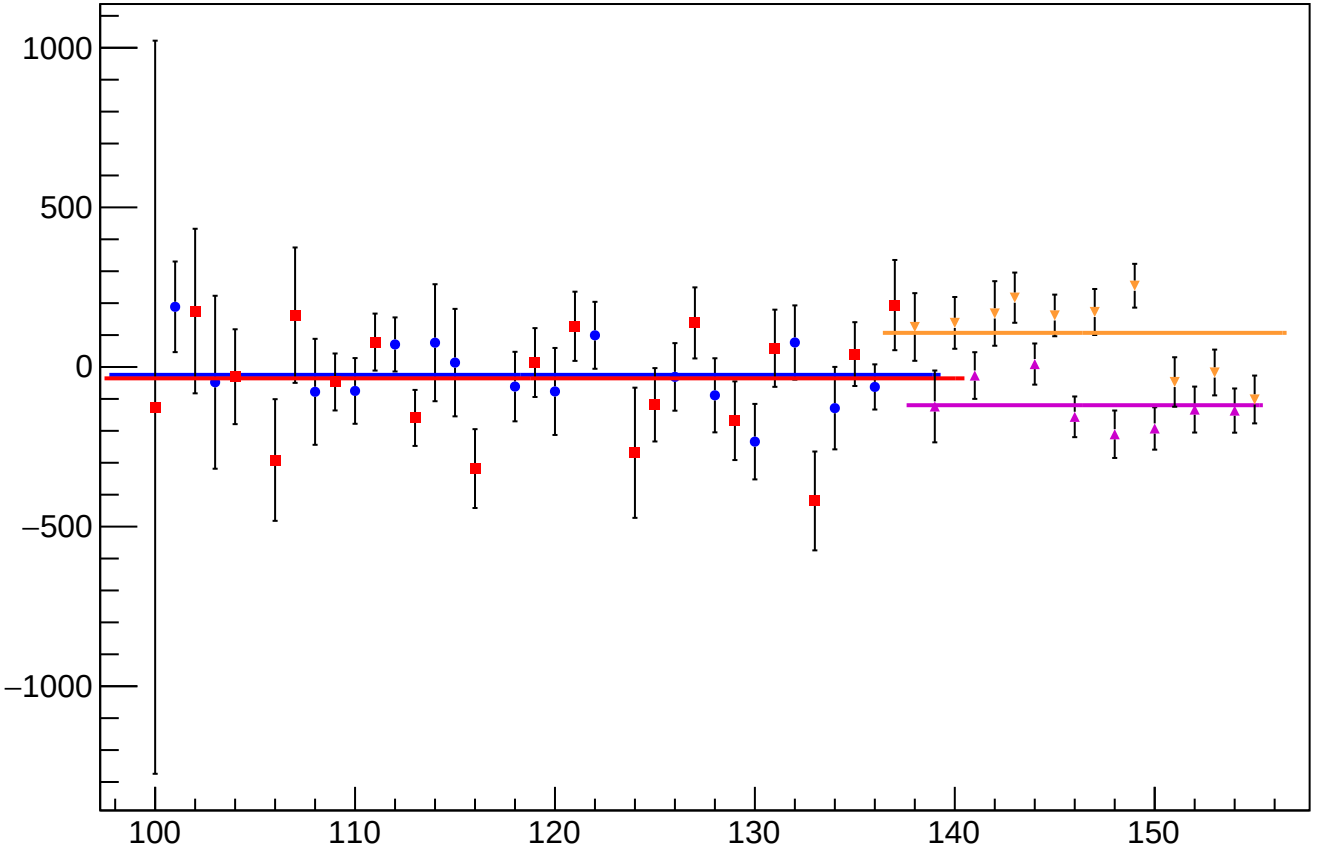
Left In: 0.000+/-0.000 χ^2/NDF:1064601.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 9479174.1/25

All: 0.000+/-0.000 χ^2/NDF: 17590758.3/52

- sign 0.000+/-0.000 χ^2/NDF: 7897097.0/26

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 106.956+/-24.399 χ^2/NDF:23.4/9

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

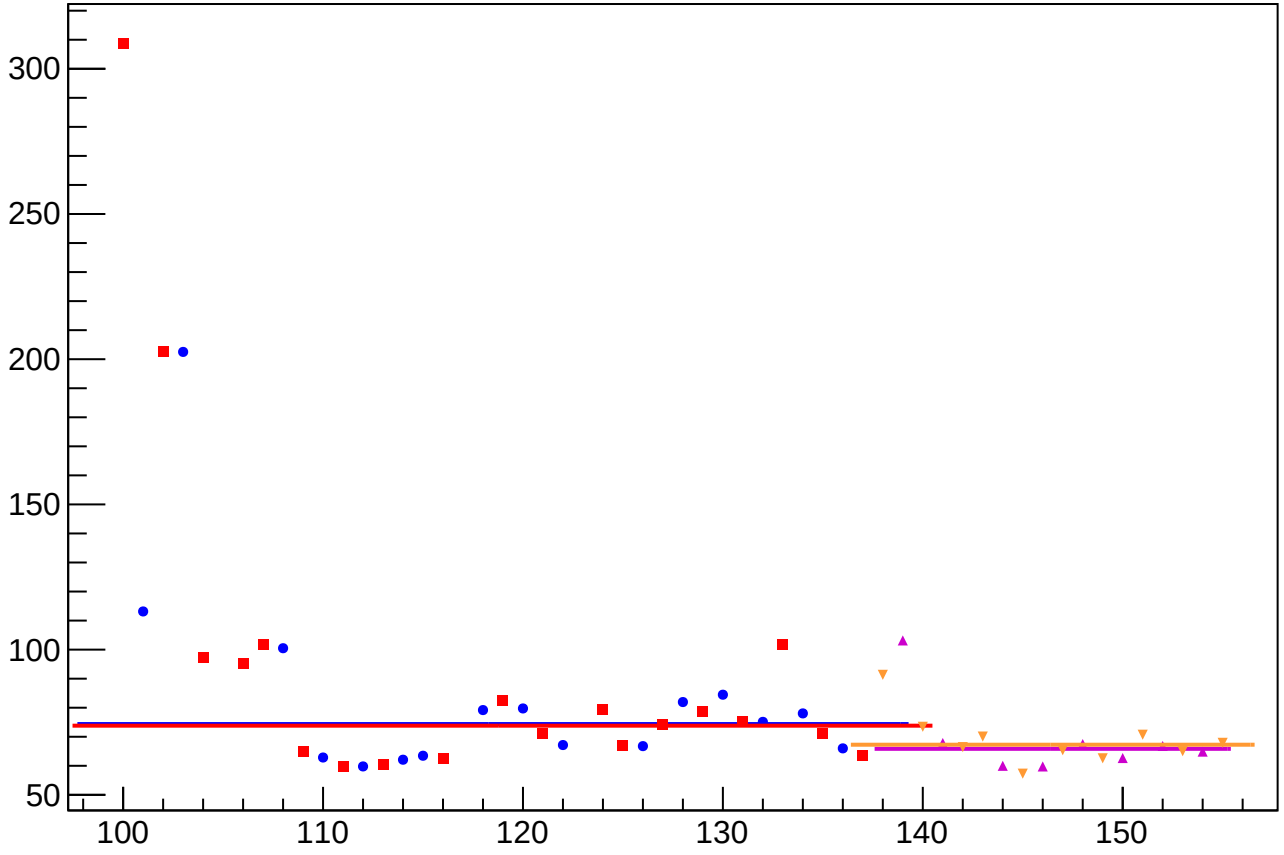
Left In: -119.717+/-25.295 χ^2/NDF:8.7/7

+ sign 52.223+/-18.647 χ^2/NDF: 46.5/25

All: -14.249+/-13.276 χ^2/NDF: 116.0/52

- sign -82.577+/-18.905 χ^2/NDF: 43.7/26

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.260+/-0.017 χ^2/NDF:180896.2/9

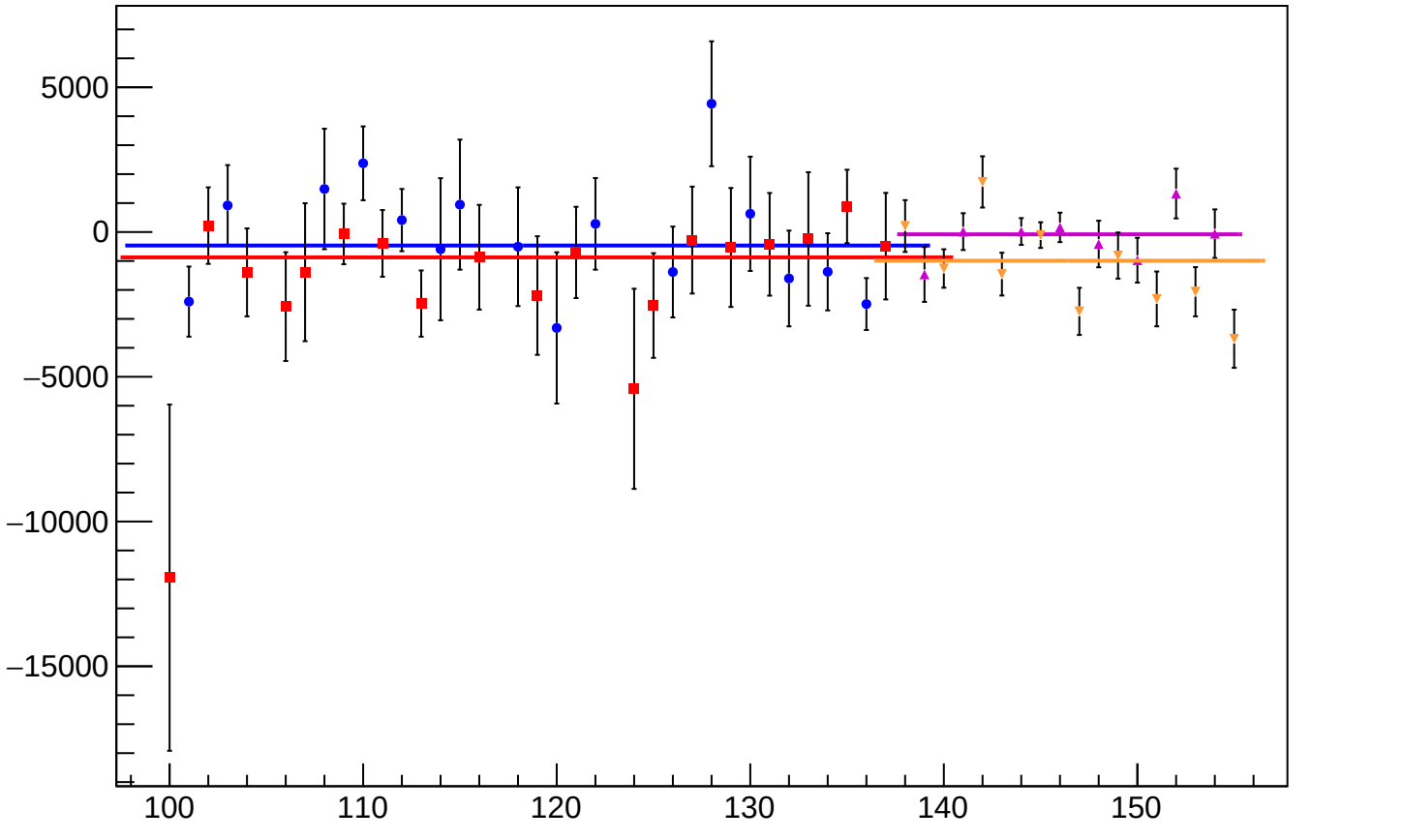
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.841+/-0.018 χ^2/NDF:262435.9/7

+ sign 70.217+/-0.013 χ^2/NDF: 1079092.7/25

All: 69.795+/-0.009 χ^2/NDF: 2363277.3/52

- sign 69.361+/-0.013 χ^2/NDF: 1282106.5/26



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -990.202+/-233.927 χ^2/NDF:31.2/9

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

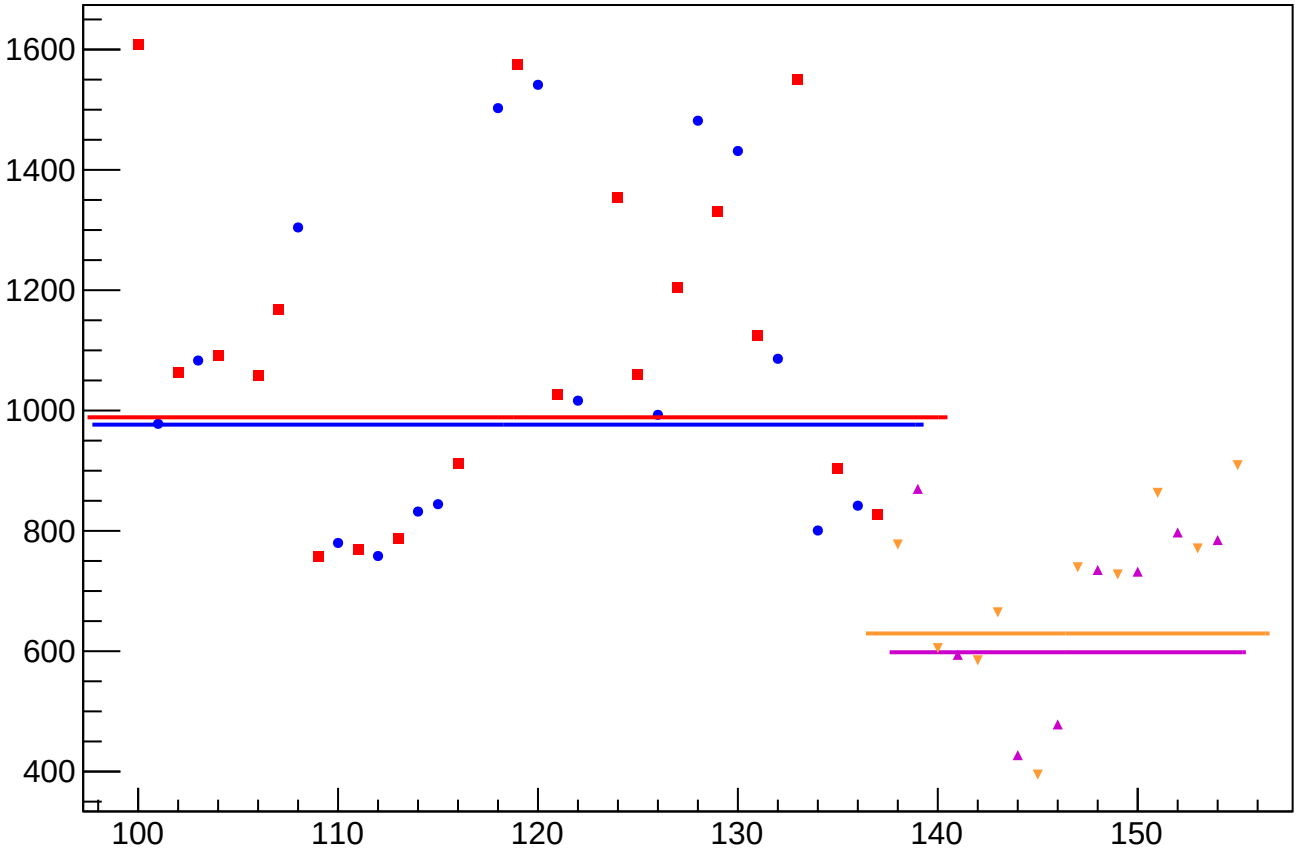
Left In: -78.810+/-234.941 χ^2/NDF:6.6/7

+ sign -843.522+/-198.481 χ^2/NDF: 56.3/25

All: -574.890+/-140.417 χ^2/NDF: 82.9/52

- sign -305.725+/-198.678 χ^2/NDF: 23.0/26

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 629.519+/-0.165 χ^2/NDF:1024476.6/9

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

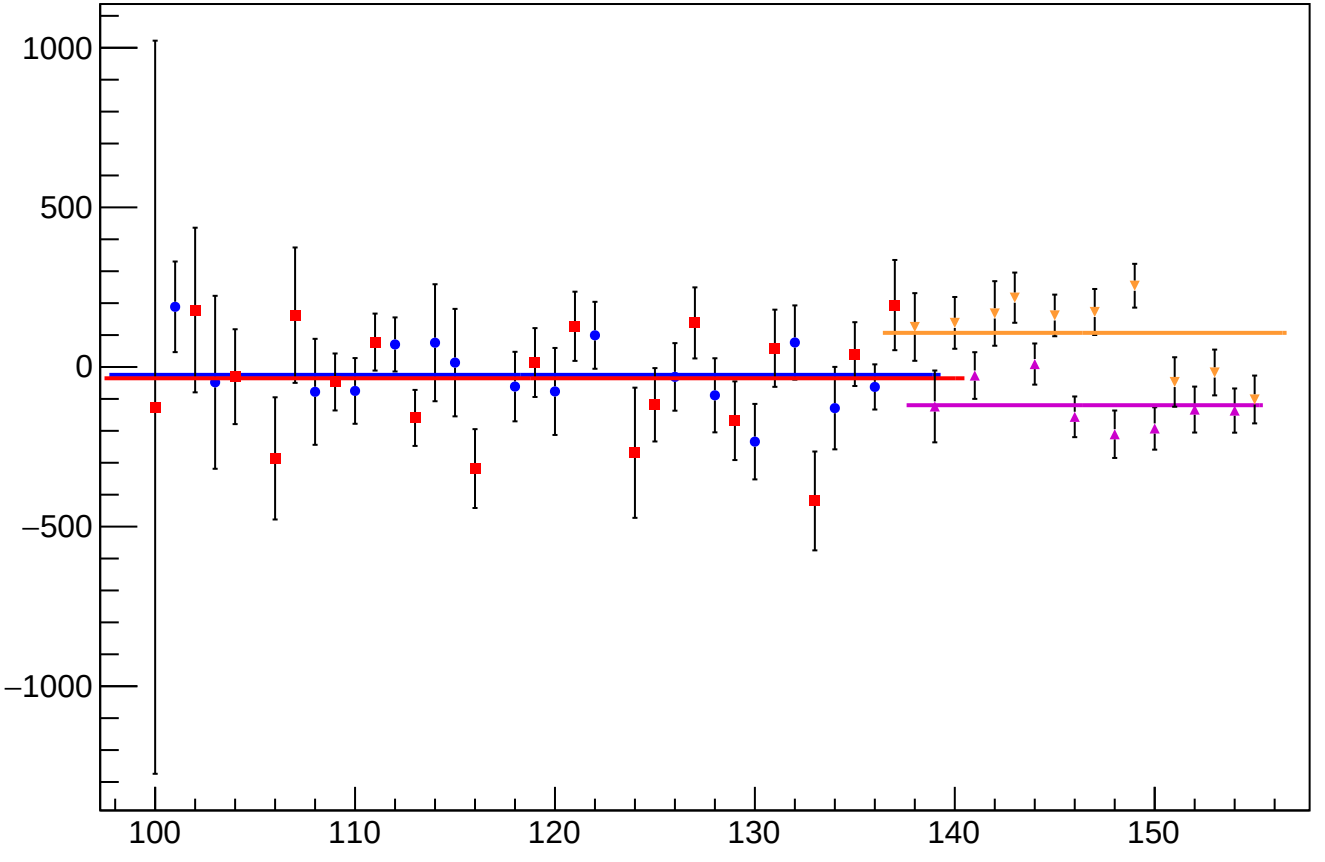
Left In: 598.265+/-0.166 χ^2/NDF:872501.8/7

+ sign 726.729+/-0.140 χ^2/NDF: 2994164.6/25

All: 718.127+/-0.099 χ^2/NDF: 6163899.6/52

- sign 709.508+/-0.140 χ^2/NDF: 3162214.2/26

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 106.960+/-24.399 χ^2/NDF:23.4/9

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

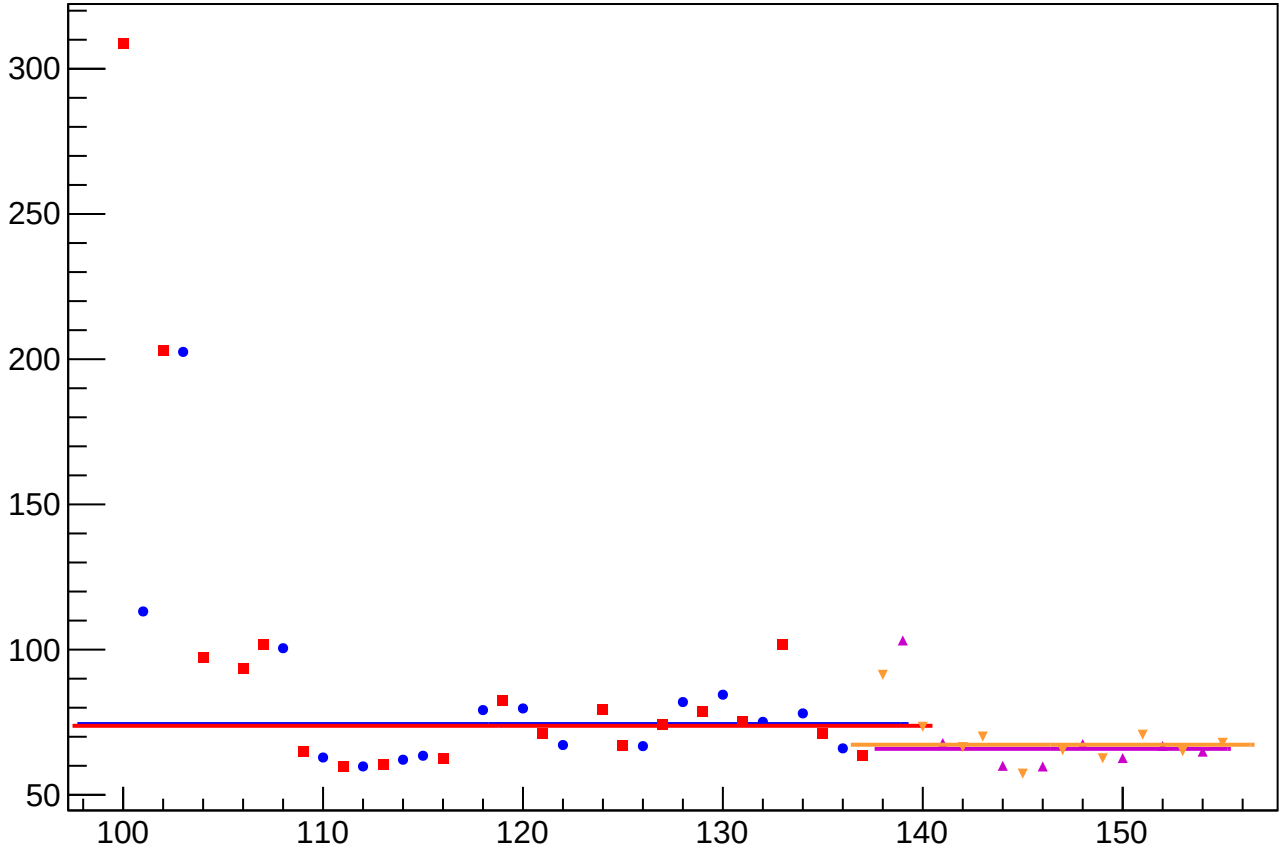
Left In: -119.716+/-25.295 χ^2/NDF:8.7/7

+ sign 52.222+/-18.647 χ^2/NDF: 46.5/25

All: -14.205+/-13.276 χ^2/NDF: 115.9/52

- sign -82.493+/-18.906 χ^2/NDF: 43.7/26

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.260+/-0.017 χ^2/NDF:180896.2/9

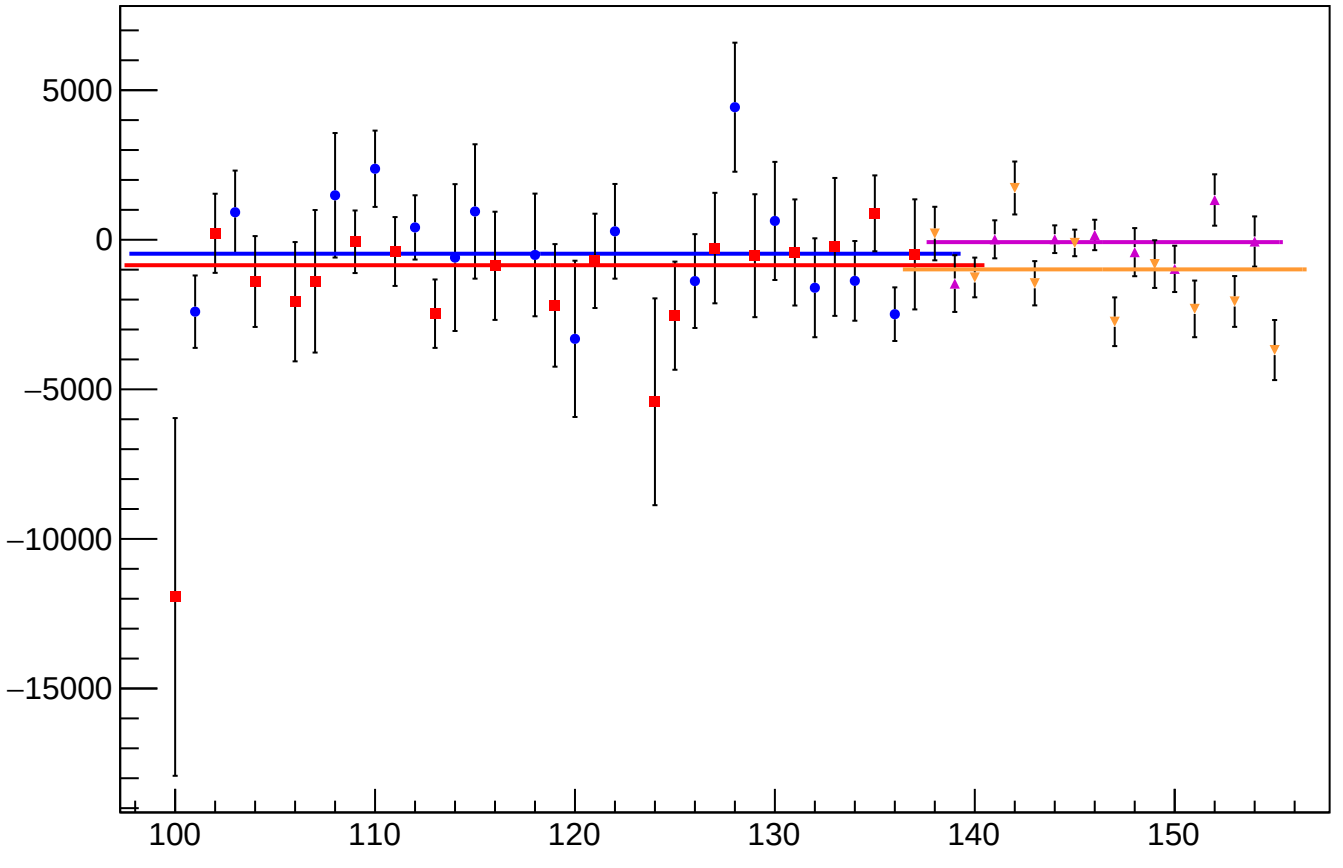
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.841+/-0.018 χ^2/NDF:262435.8/7

+ sign 70.217+/-0.013 χ^2/NDF: 1079094.7/25

All: 69.786+/-0.009 χ^2/NDF: 2358658.2/52

- sign 69.342+/-0.013 χ^2/NDF: 1277392.9/26



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -990.196+/-233.927 χ^2/NDF:31.2/9

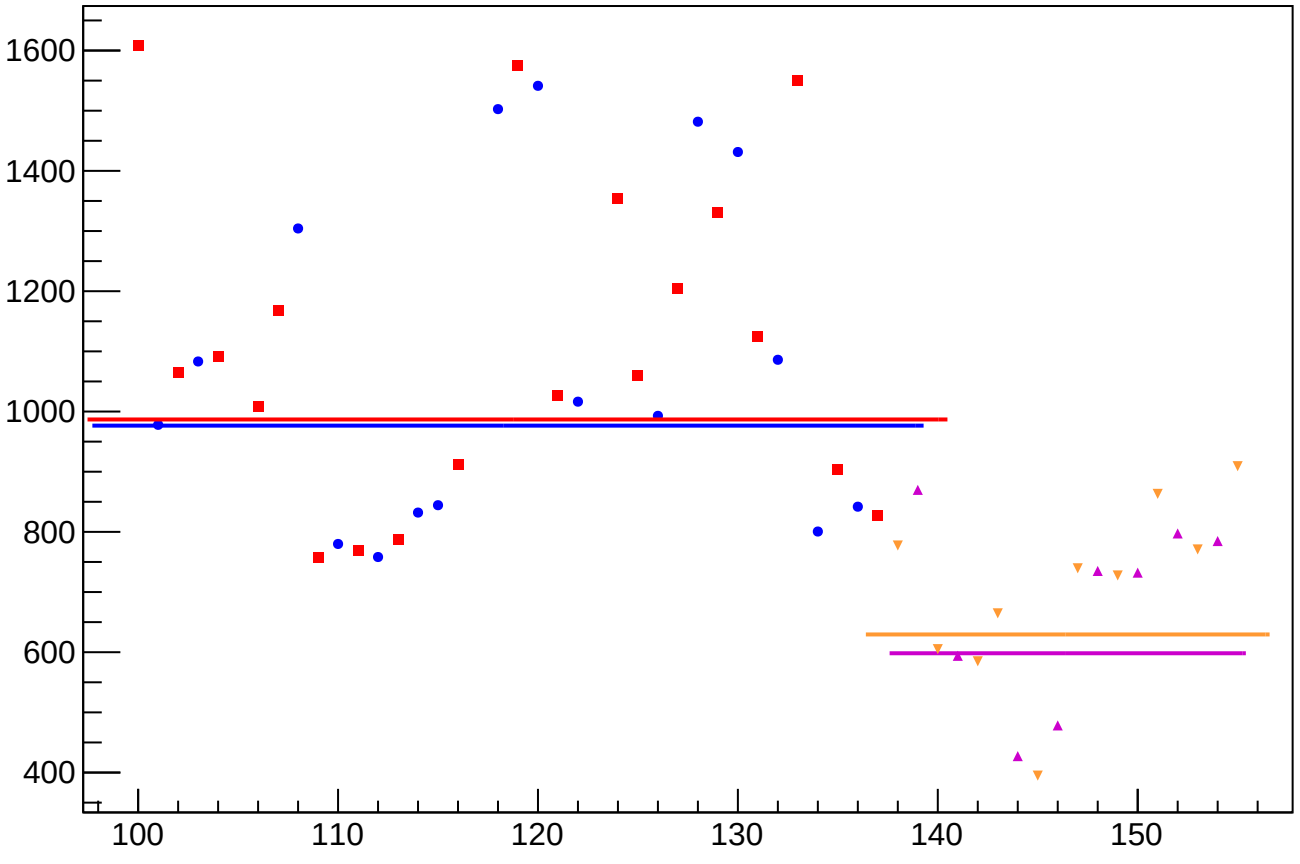
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -78.812+/-234.941 χ^2/NDF:6.6/7

+ sign -843.516+/-198.481 χ^2/NDF: 56.3/25

All: -571.206+/-140.463 χ^2/NDF: 82.3/52

- sign -298.001+/-198.807 χ^2/NDF: 22.3/26



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 629.518+/-0.165 χ^2/NDF:1024476.7/9

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

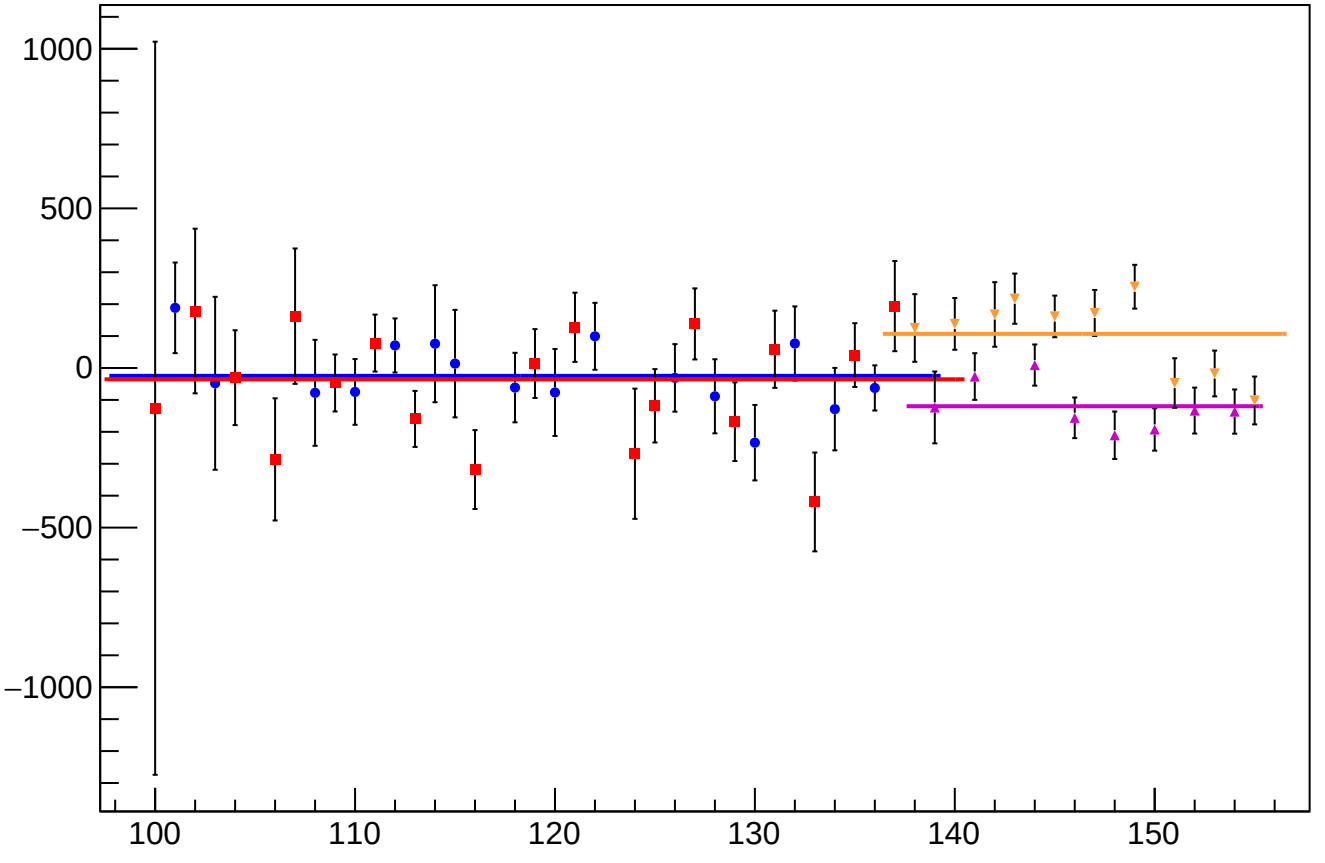
Left In: 598.265+/-0.166 χ^2/NDF:872504.0/7

+ sign 726.730+/-0.140 χ^2/NDF: 2994219.1/25

All: 717.677+/-0.099 χ^2/NDF: 6141685.8/52

- sign 708.593+/-0.141 χ^2/NDF: 3139130.8/26

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 106.960+/-24.399 χ^2/NDF:23.4/9

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

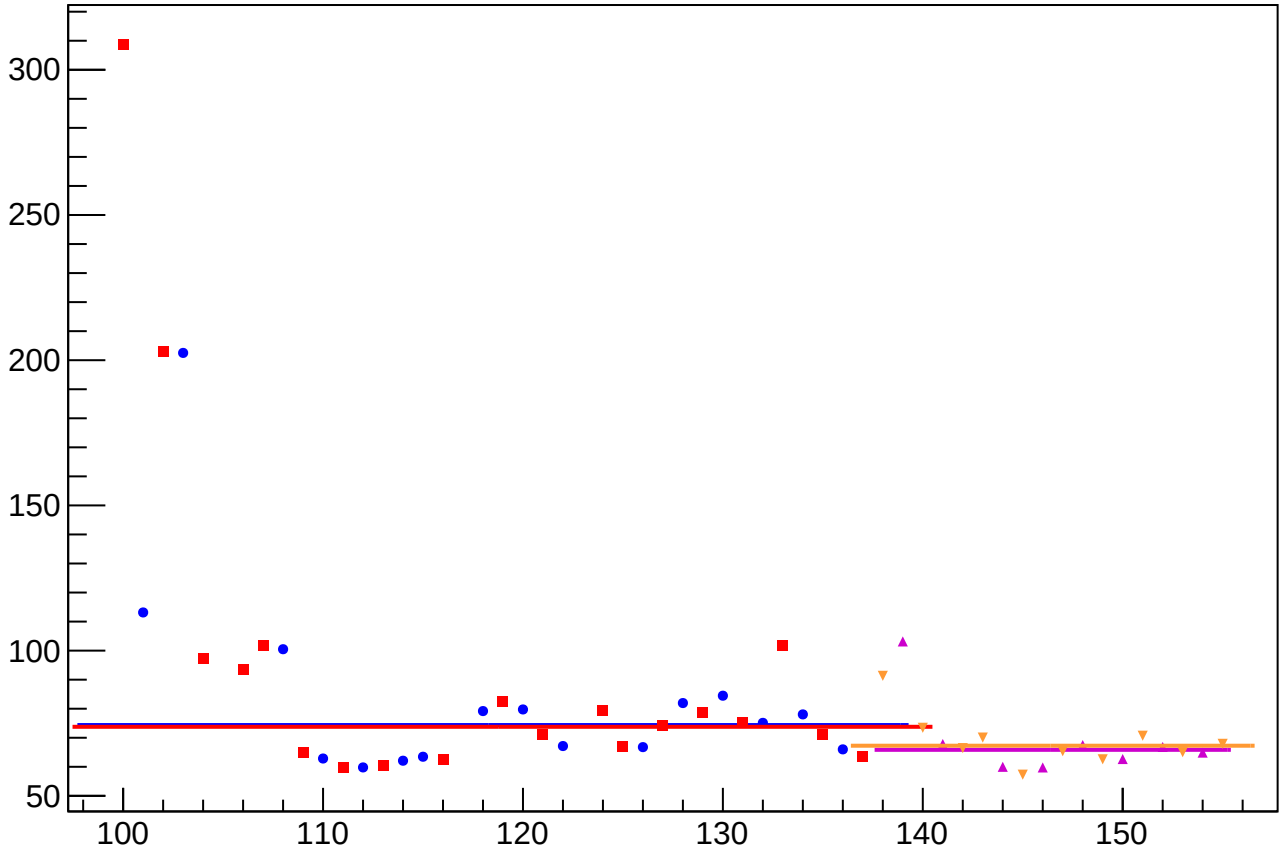
Left In: -119.716+/-25.295 χ^2/NDF:8.7/7

+ sign 52.222+/-18.647 χ^2/NDF: 46.5/25

All: -14.205+/-13.276 χ^2/NDF: 115.9/52

- sign -82.493+/-18.906 χ^2/NDF: 43.7/26

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.260+/-0.017 χ^2/NDF:180896.2/9

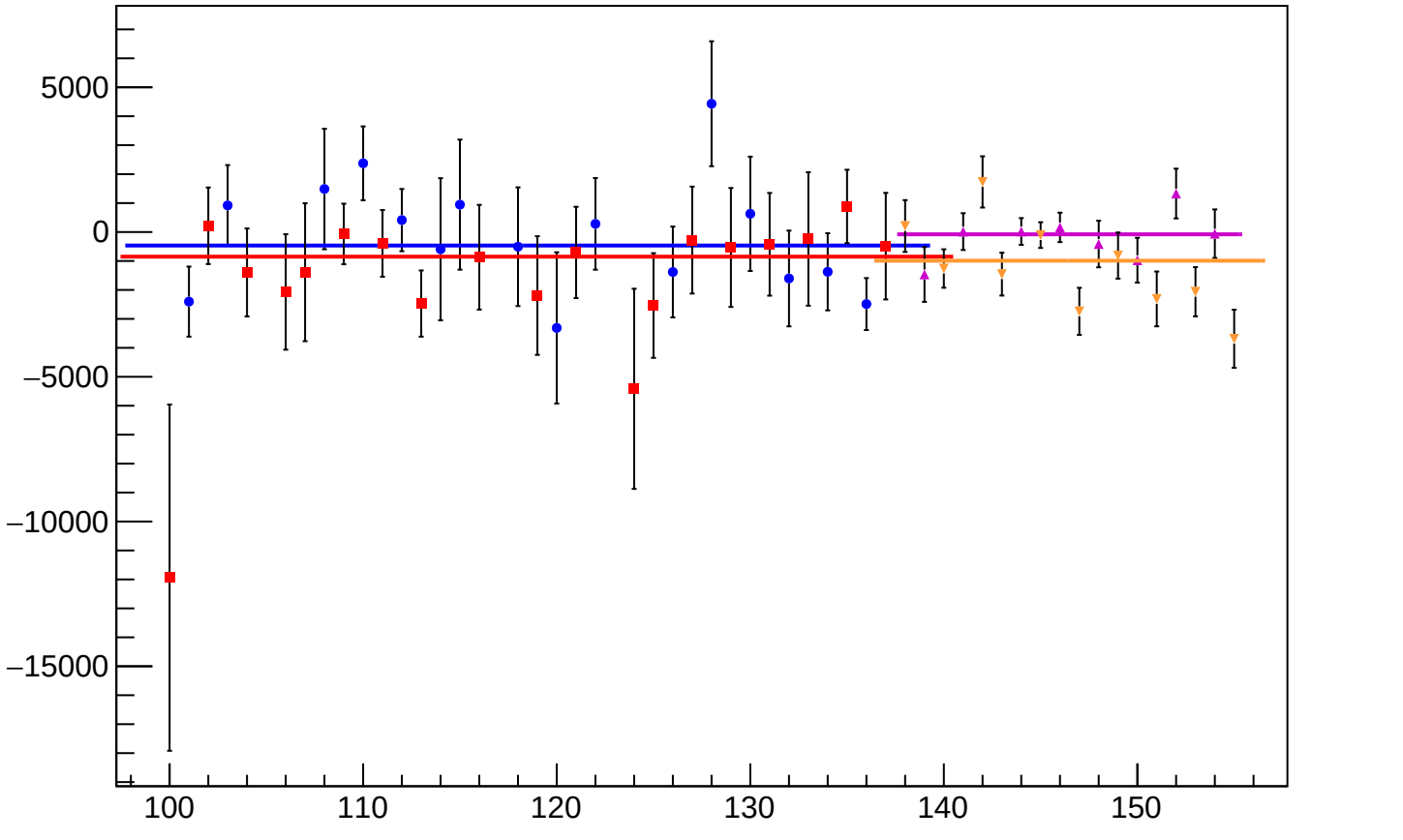
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.841+/-0.018 χ^2/NDF:262435.8/7

+ sign 70.217+/-0.013 χ^2/NDF: 1079094.7/25

All: 69.786+/-0.009 χ^2/NDF: 2358658.2/52

- sign 69.342+/-0.013 χ^2/NDF: 1277392.9/26



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -990.196+/-233.927 χ^2/NDF:31.2/9

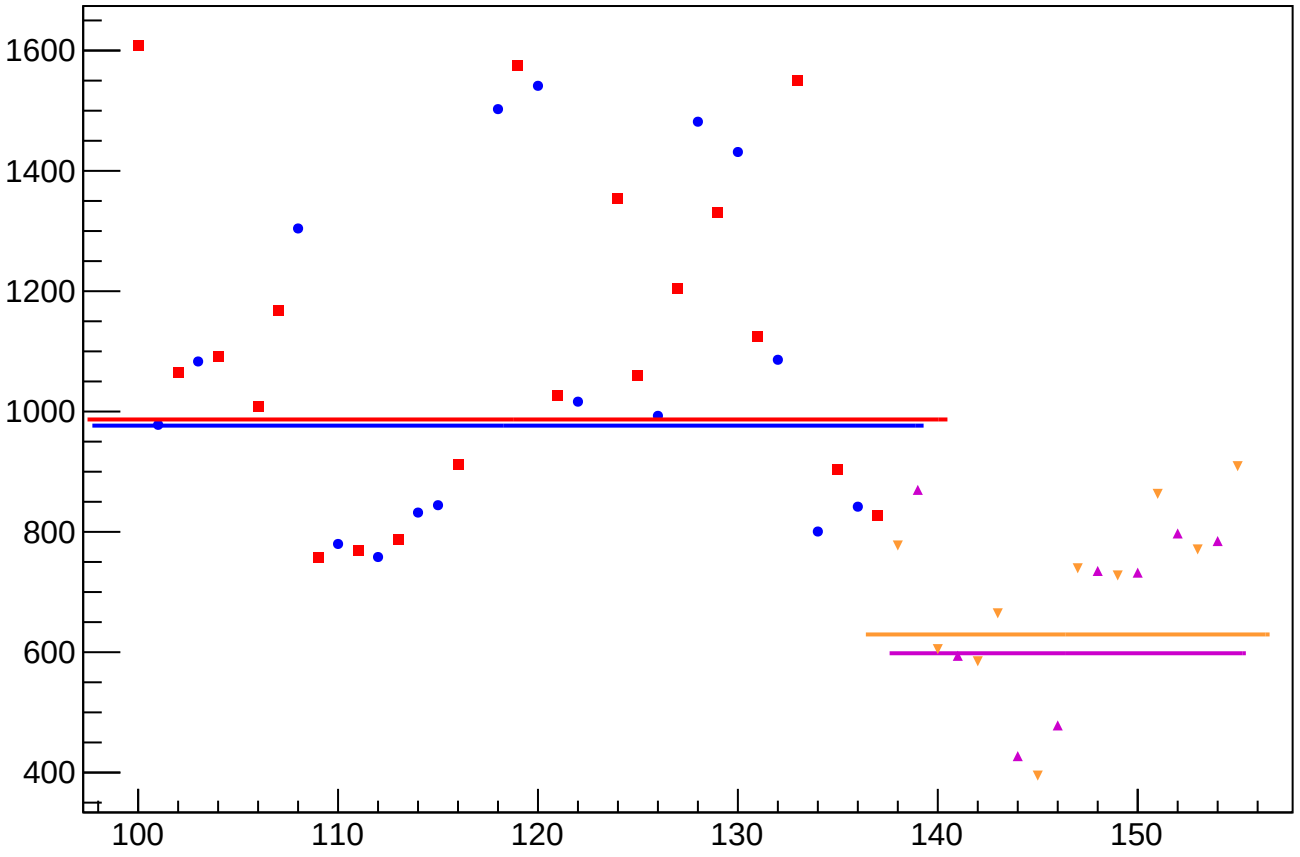
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -78.812+/-234.941 χ^2/NDF:6.6/7

+ sign -843.516+/-198.481 χ^2/NDF: 56.3/25

All: -571.206+/-140.463 χ^2/NDF: 82.3/52

- sign -298.001+/-198.807 χ^2/NDF: 22.3/26



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 629.518+/-0.165 χ^2/NDF:1024476.7/9

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

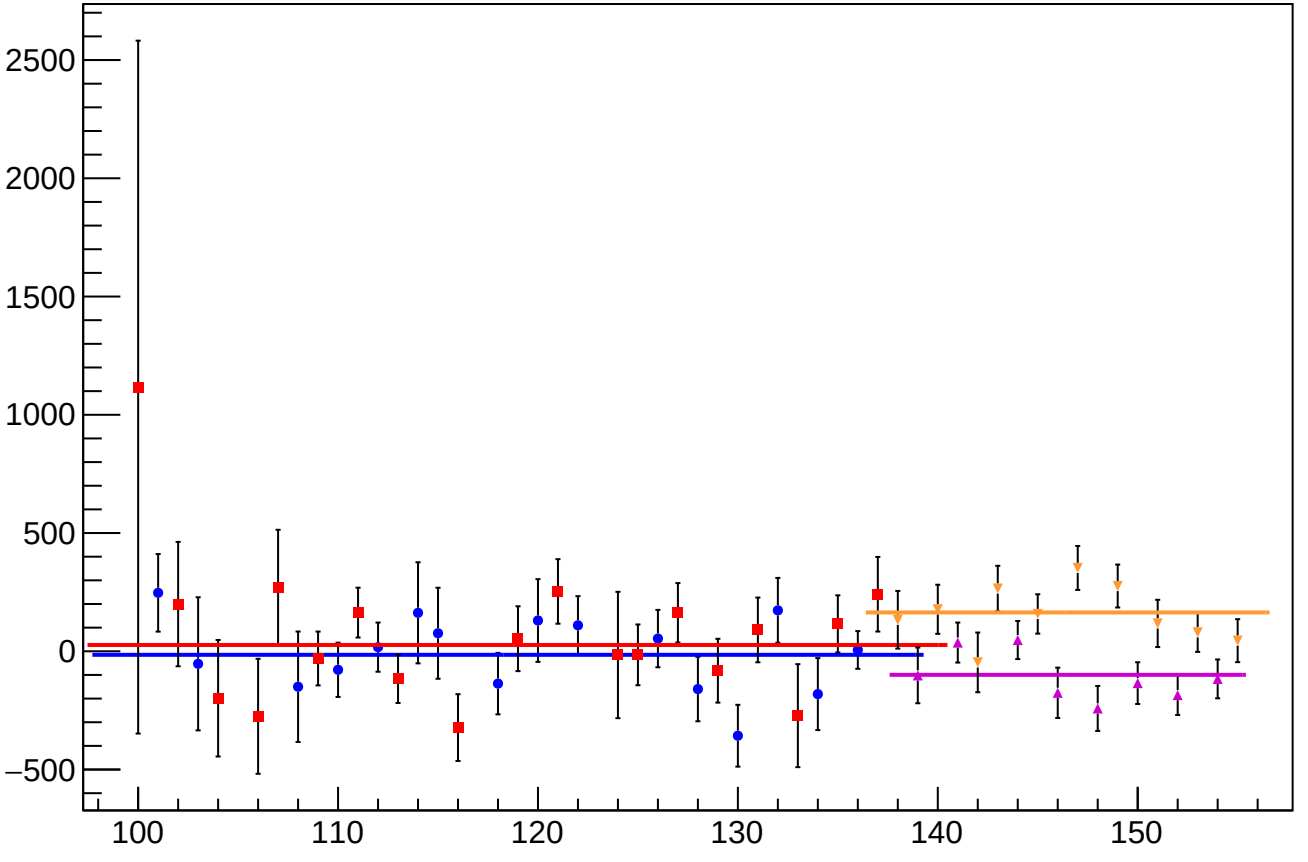
Left In: 598.265+/-0.166 χ^2/NDF:872504.0/7

+ sign 726.730+/-0.140 χ^2/NDF: 2994219.1/25

All: 717.677+/-0.099 χ^2/NDF: 6141685.8/52

- sign 708.593+/-0.141 χ^2/NDF: 3139130.8/26

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 164.169+/-30.423 χ^2/NDF:12.6/9

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

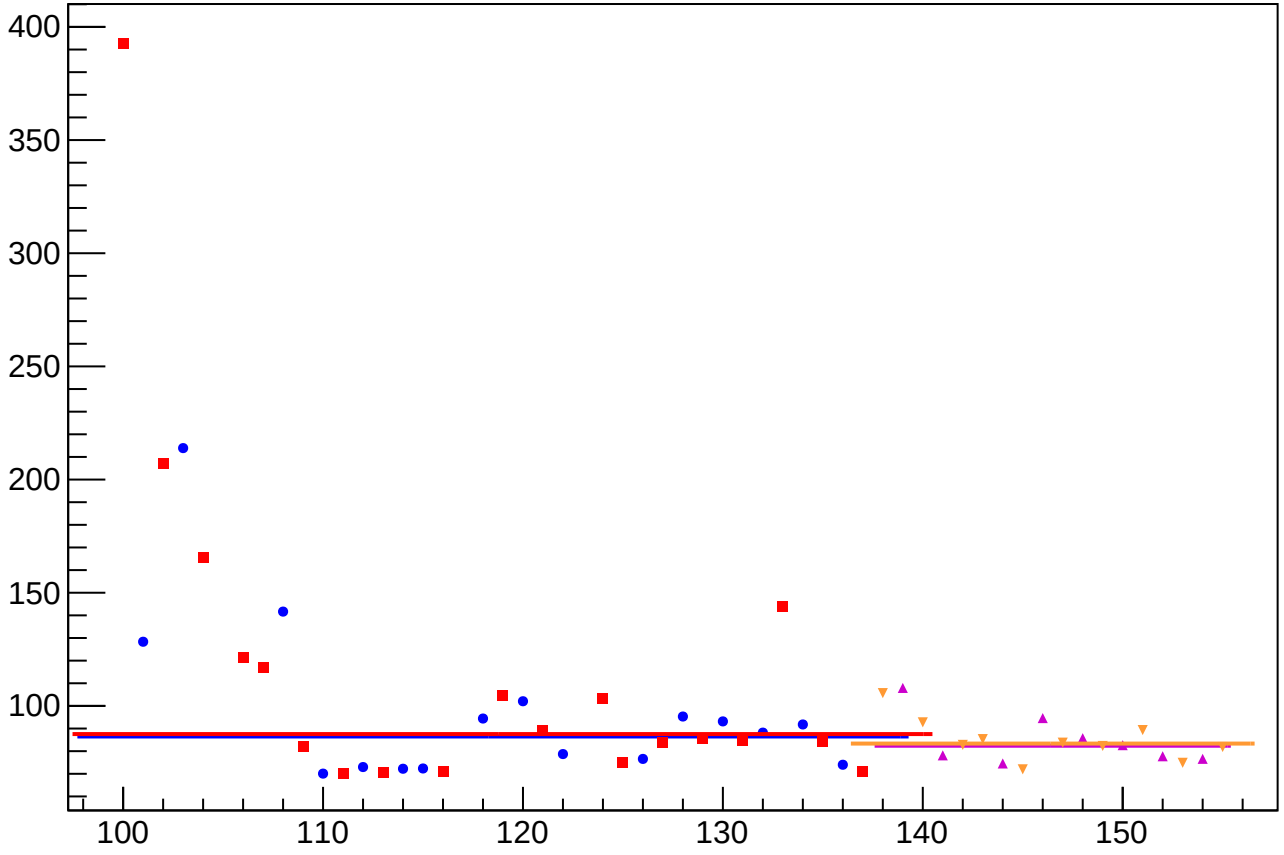
Left In: -99.551+/-31.895 χ^2/NDF:9.9/7

+ sign 83.898+/-22.600 χ^2/NDF: 46.4/25

All: 23.501+/-16.218 χ^2/NDF: 101.9/52

- sign -40.610+/-23.285 χ^2/NDF: 40.8/26

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 83.352+/-0.022 χ^2/NDF:150573.3/9

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

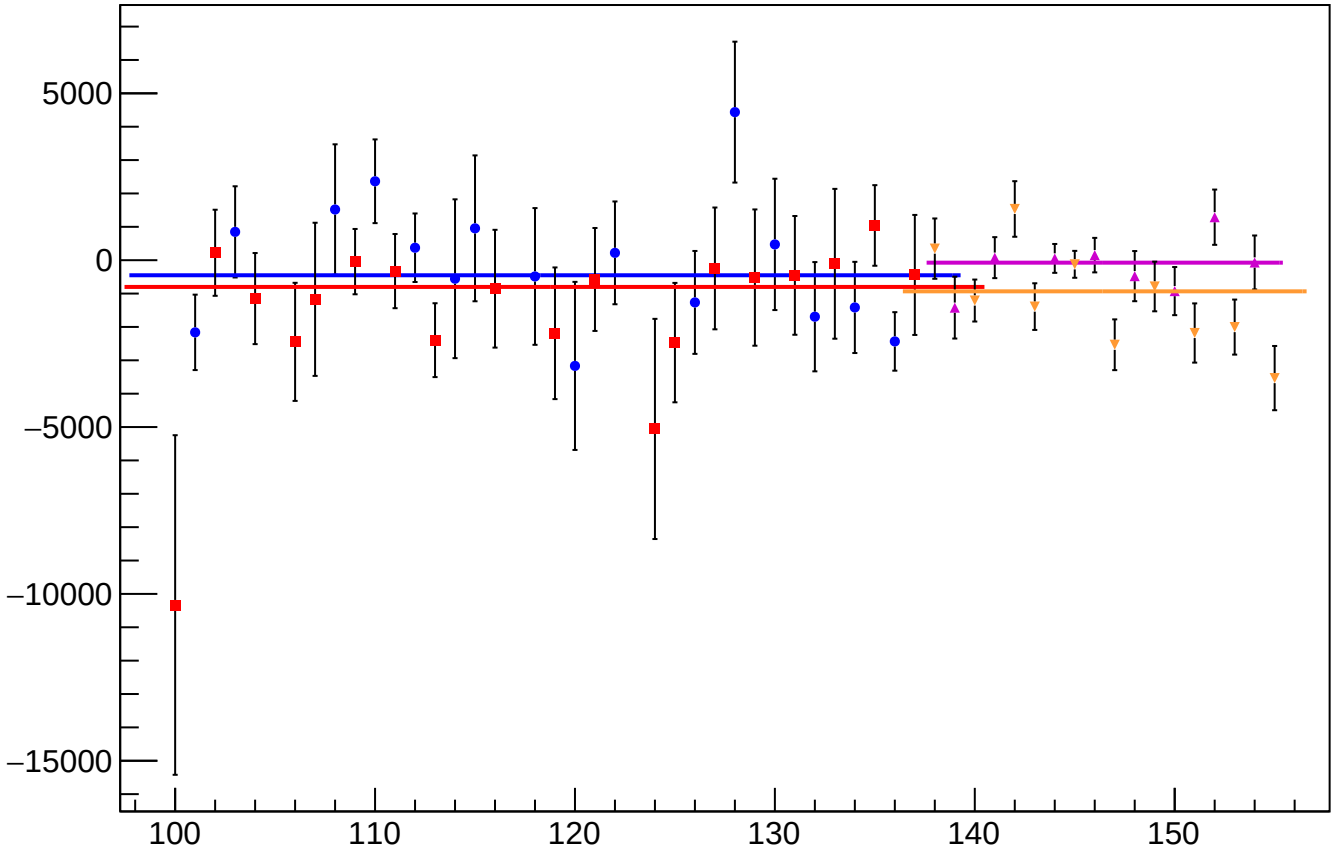
Left In: 82.405+/-0.023 χ^2/NDF:162734.7/7

+ sign 84.758+/-0.016 χ^2/NDF: 1016362.0/25

All: 84.783+/-0.011 χ^2/NDF: 2333243.4/52

- sign 84.810+/-0.016 χ^2/NDF: 1316876.3/26

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -933.275+/-219.533 χ^2/NDF:30.9/9

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

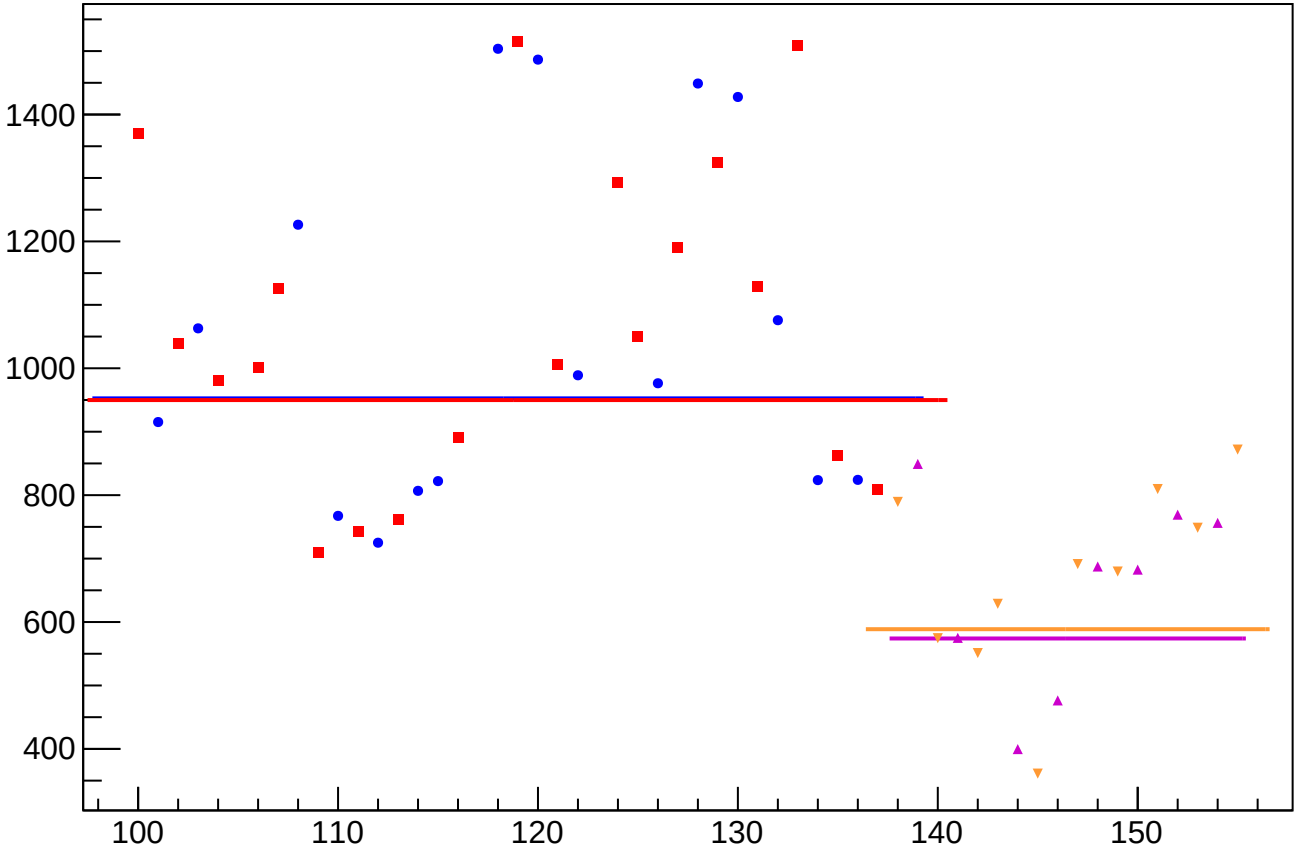
Left In: -74.028+/-225.977 χ^2/NDF:6.8/7

+ sign -805.569+/-188.210 χ^2/NDF: 55.9/25

All: -547.402+/-134.085 χ^2/NDF: 83.1/52

- sign -281.324+/-191.071 χ^2/NDF: 23.4/26

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 588.715+/-0.155 χ^2/NDF:1186305.6/9

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

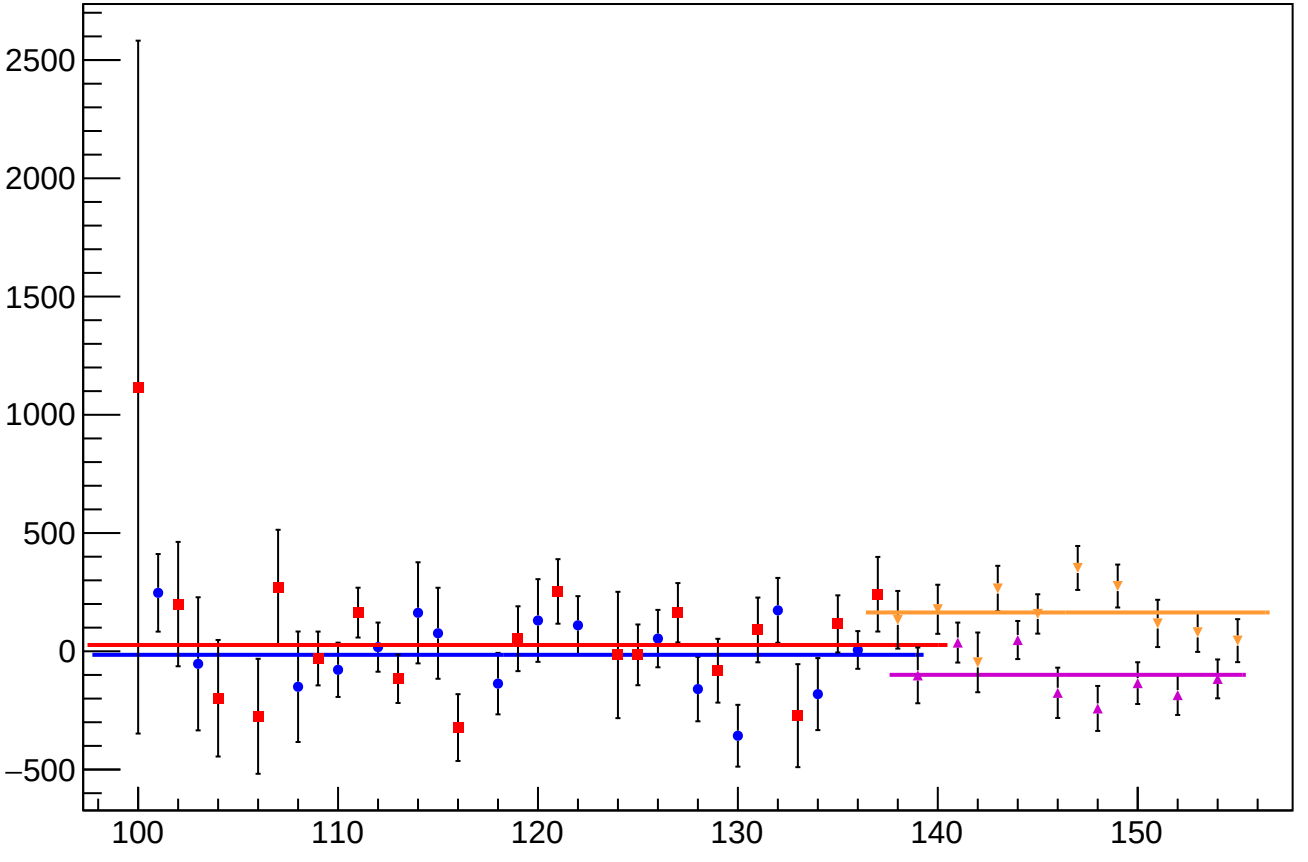
Left In: 574.061+/-0.160 χ^2/NDF:876297.6/7

+ sign 685.134+/-0.133 χ^2/NDF: 3388446.5/25

All: 683.196+/-0.095 χ^2/NDF: 6593872.3/52

- sign 681.199+/-0.135 χ^2/NDF: 3204995.2/26

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 164.170+/-30.423 χ^2/NDF:12.6/9

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

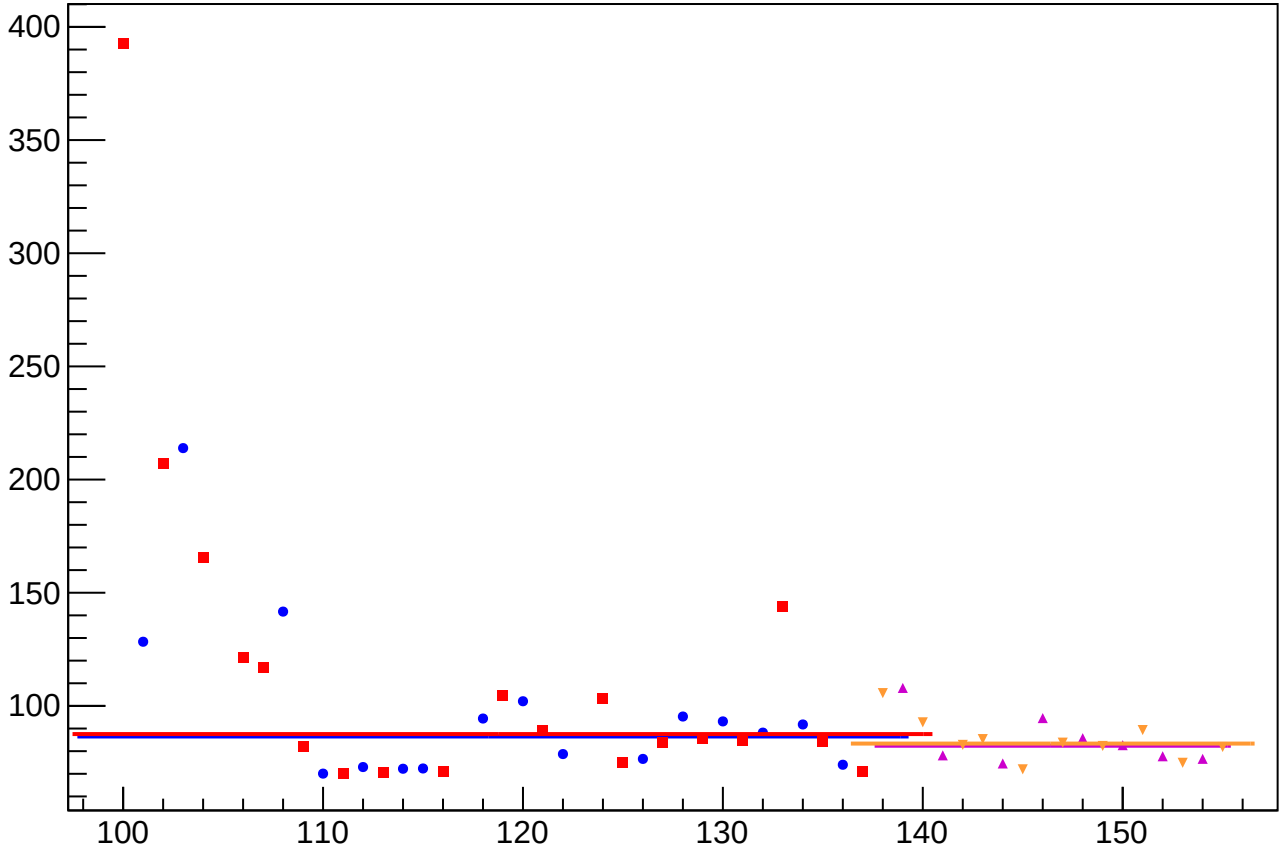
Left In: -99.551+/-31.895 χ^2/NDF:9.9/7

+ sign 83.899+/-22.601 χ^2/NDF: 46.4/25

All: 23.502+/-16.218 χ^2/NDF: 101.9/52

- sign -40.609+/-23.285 χ^2/NDF: 40.8/26

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 83.352+/-0.022 χ^2/NDF:150570.5/9

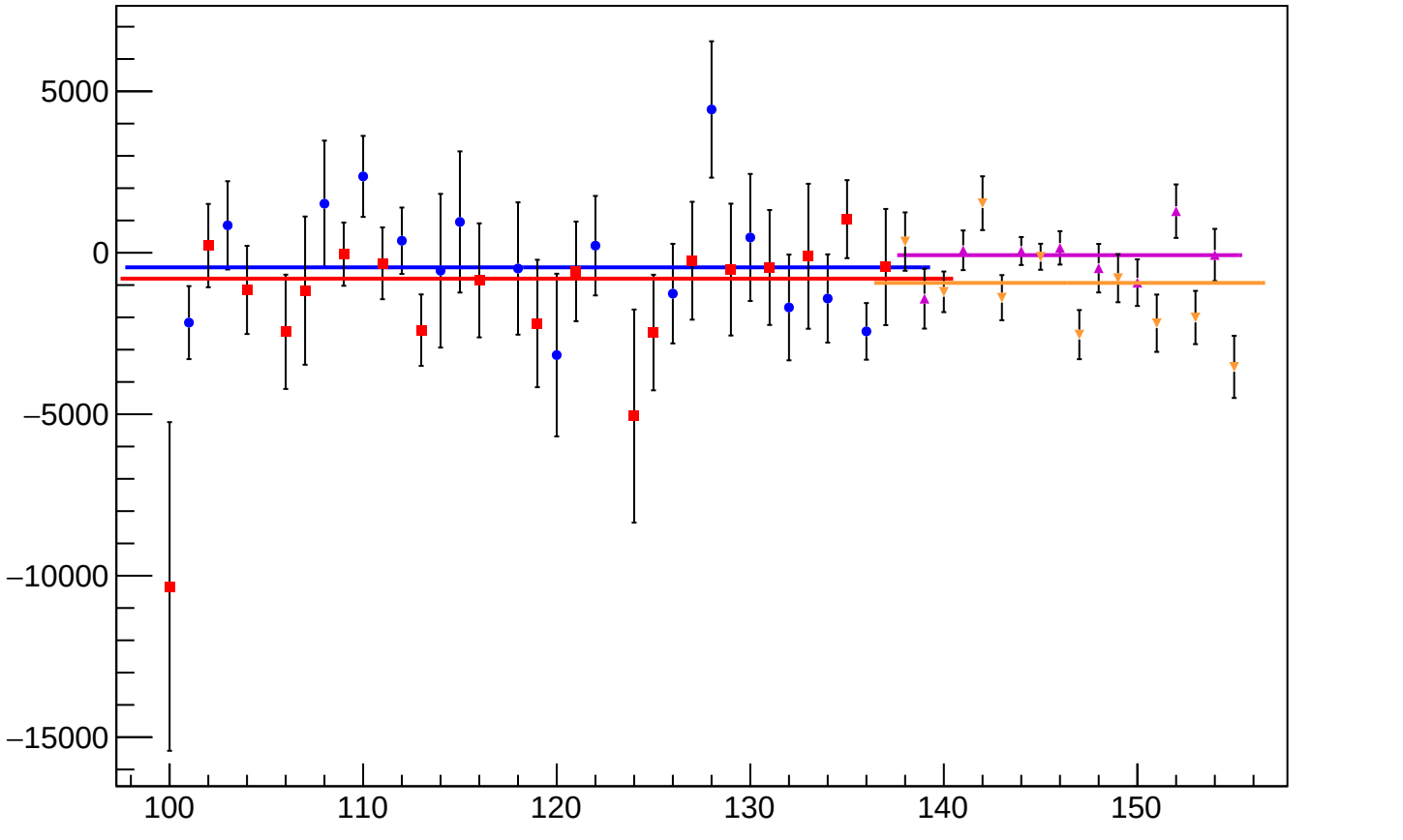
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 82.405+/-0.023 χ^2/NDF:162728.7/7

+ sign 84.758+/-0.016 χ^2/NDF: 1016349.9/25

All: 84.783+/-0.011 χ^2/NDF: 2333223.2/52

- sign 84.810+/-0.016 χ^2/NDF: 1316868.1/26



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -933.276+/-219.533 χ^2/NDF:30.9/9

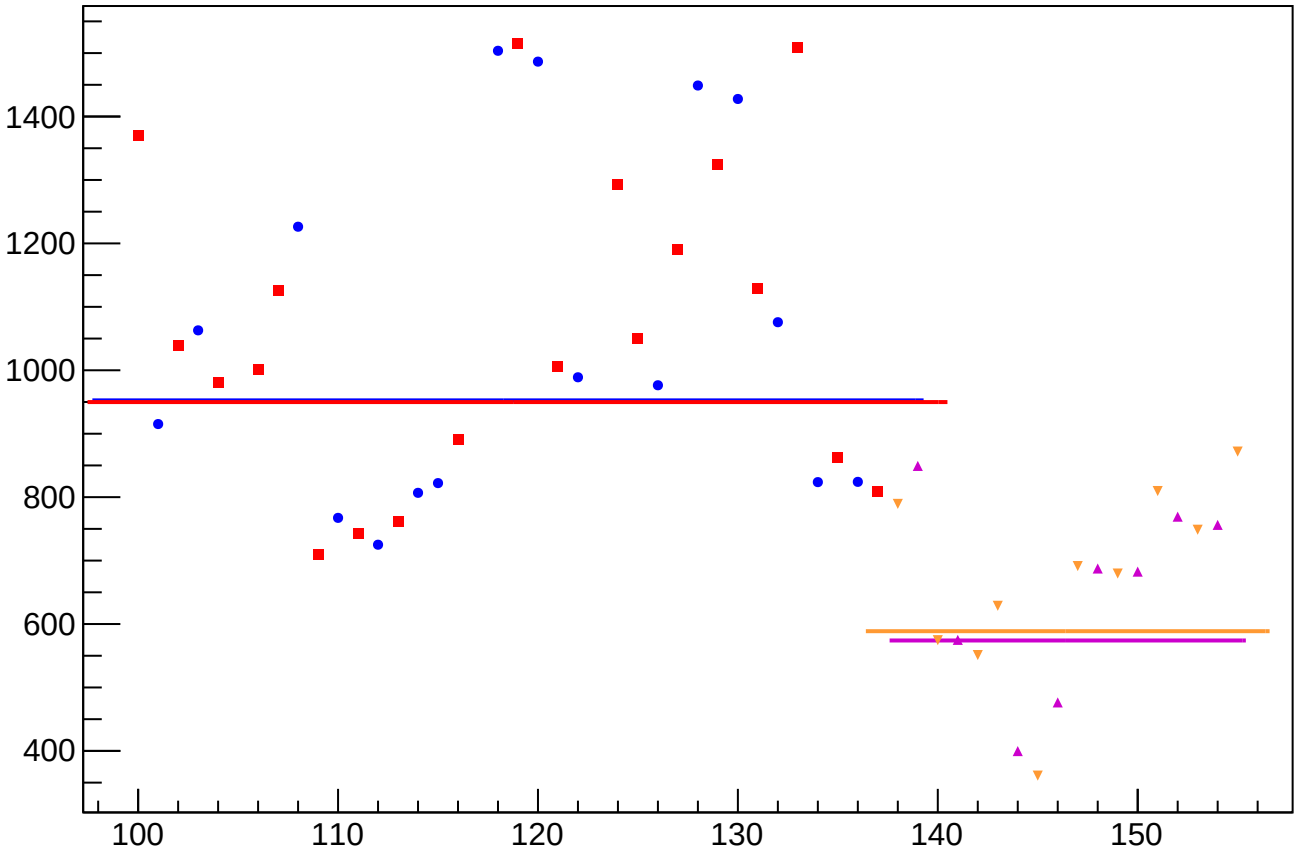
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -74.028+/-225.977 χ^2/NDF:6.8/7

+ sign -805.569+/-188.209 χ^2/NDF: 55.9/25

All: -547.402+/-134.084 χ^2/NDF: 83.1/52

- sign -281.324+/-191.071 χ^2/NDF: 23.4/26



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 588.714+/-0.155 χ^2/NDF:1186307.0/9

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

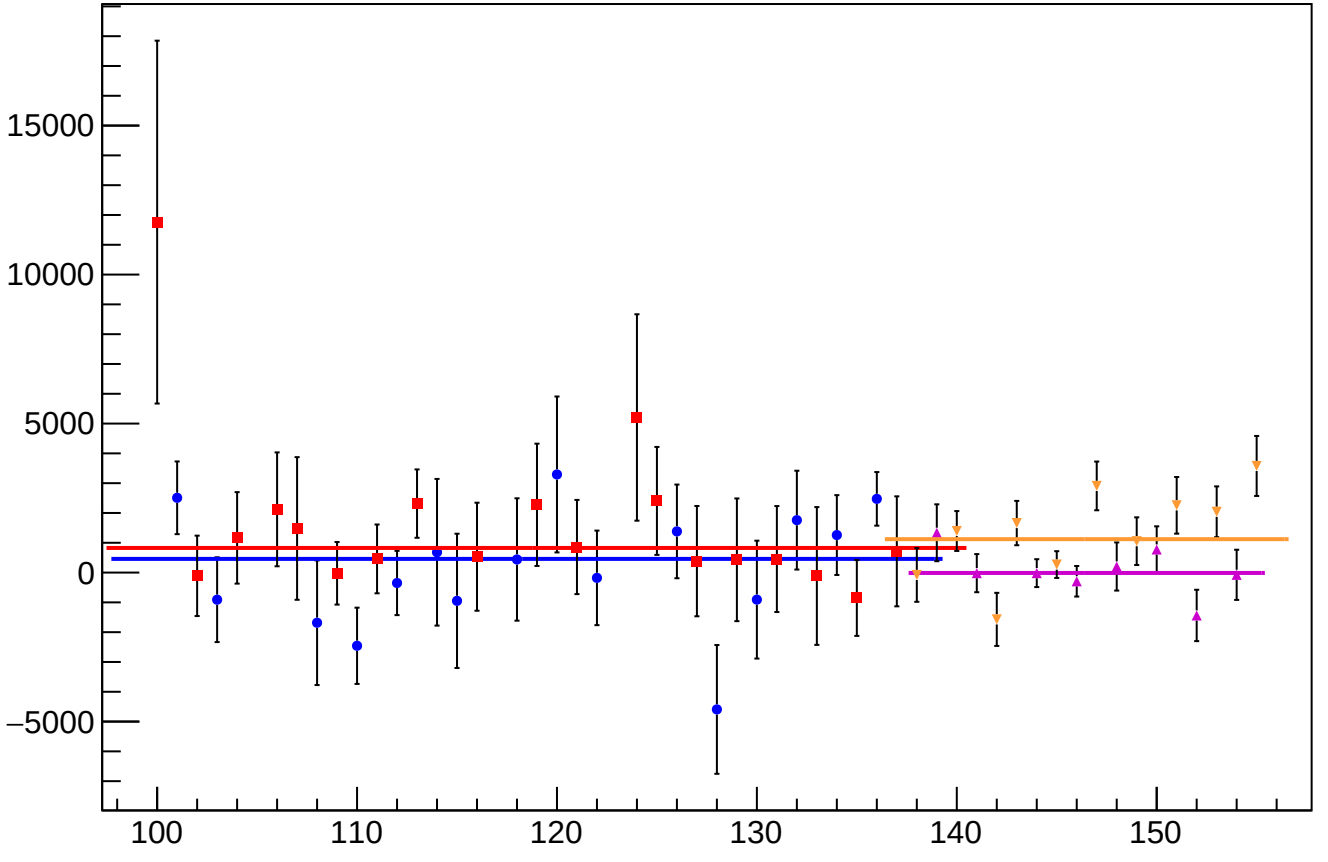
Left In: 574.060+/-0.160 χ^2/NDF:876297.9/7

+ sign 685.133+/-0.133 χ^2/NDF: 3388446.7/25

All: 683.195+/-0.095 χ^2/NDF: 6593866.4/52

- sign 681.198+/-0.135 χ^2/NDF: 3204989.2/26

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1121.237+/-235.540 χ^2/NDF:28.5/9

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

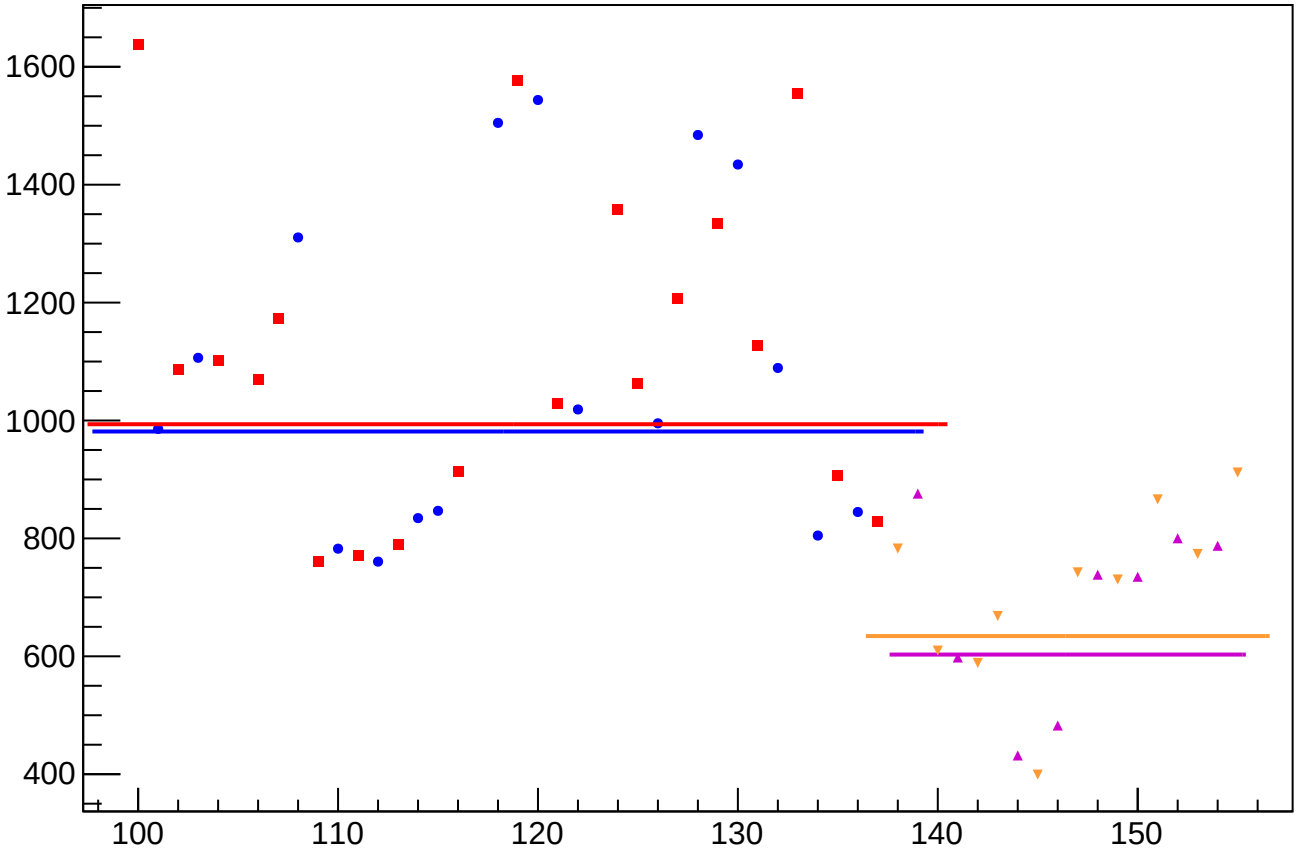
Left In: -12.743+/-236.624 χ^2/NDF:6.1/7

+ sign 935.261+/-199.739 χ^2/NDF: 55.3/25

All: 581.569+/-141.329 χ^2/NDF: 83.0/52

- sign 226.950+/-200.000 χ^2/NDF: 21.4/26

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 634.310+/-0.167 χ^2/NDF:1002596.8/9

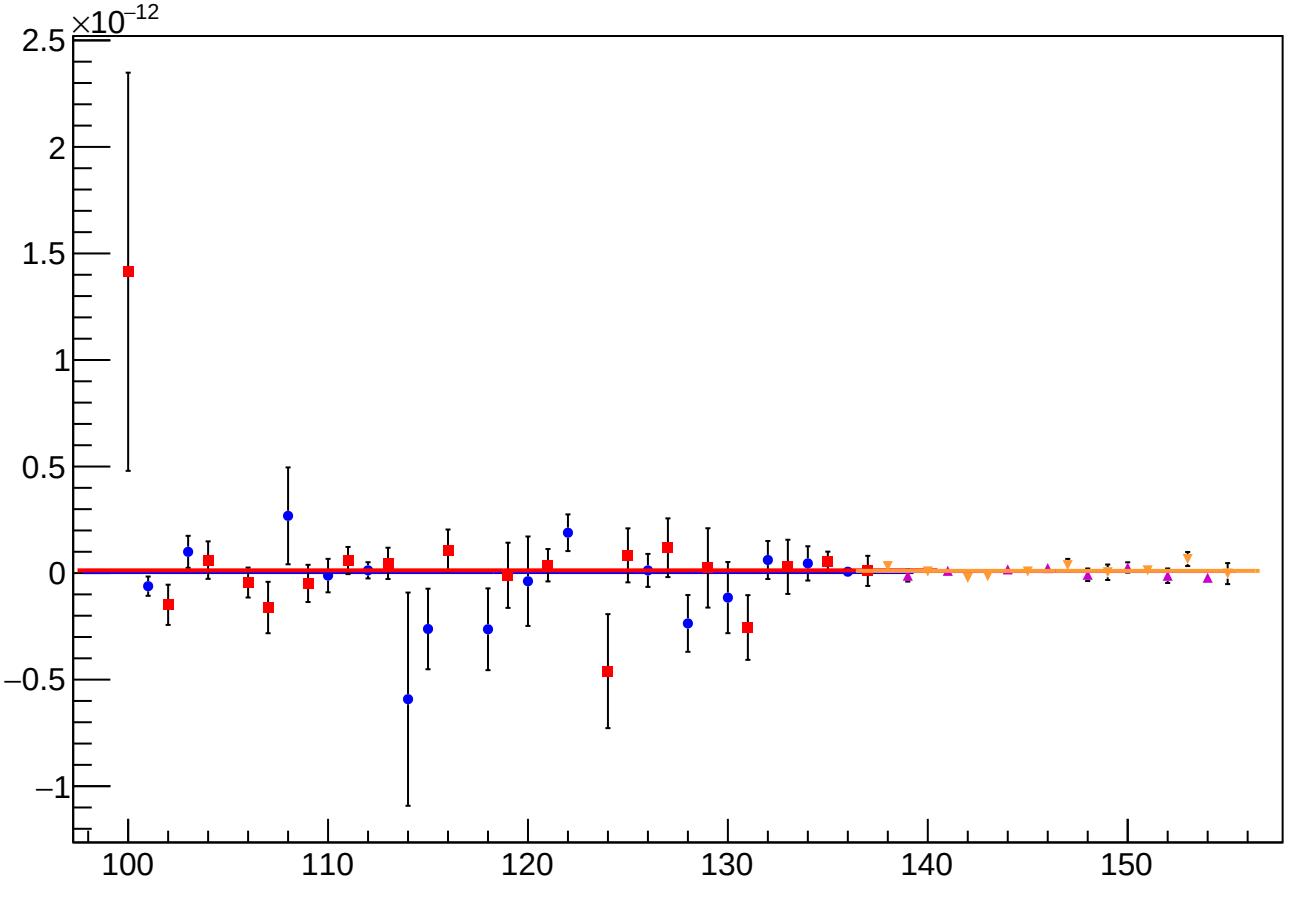
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 602.942+/-0.167 χ^2/NDF:856578.6/7

\+ sign 731.789+/-0.141 χ^2/NDF: 2959757.0/25

All: 723.174+/-0.100 χ^2/NDF: 6101144.6/52

\- sign 714.537+/-0.141 χ^2/NDF: 3133937.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/9

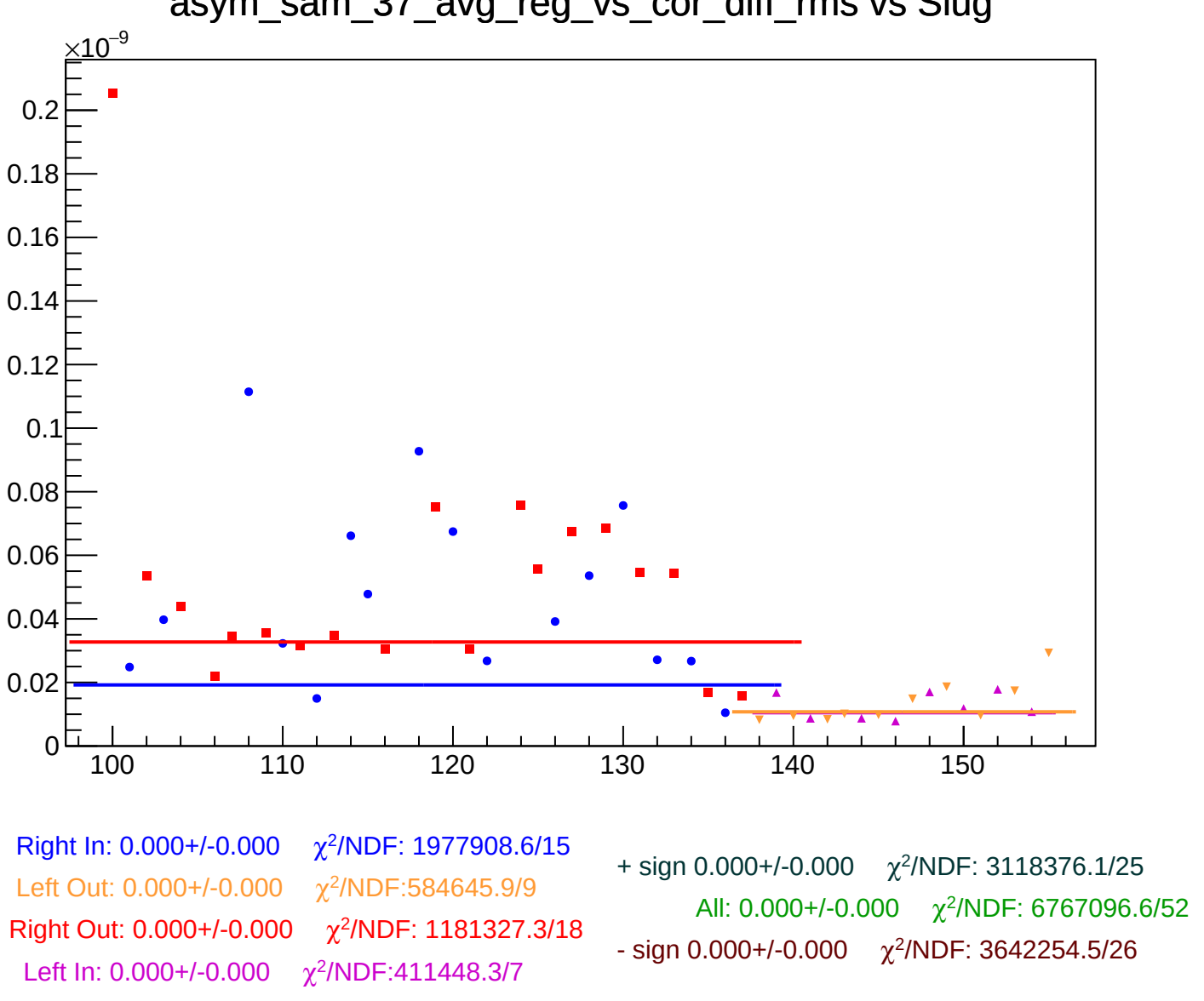
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/7

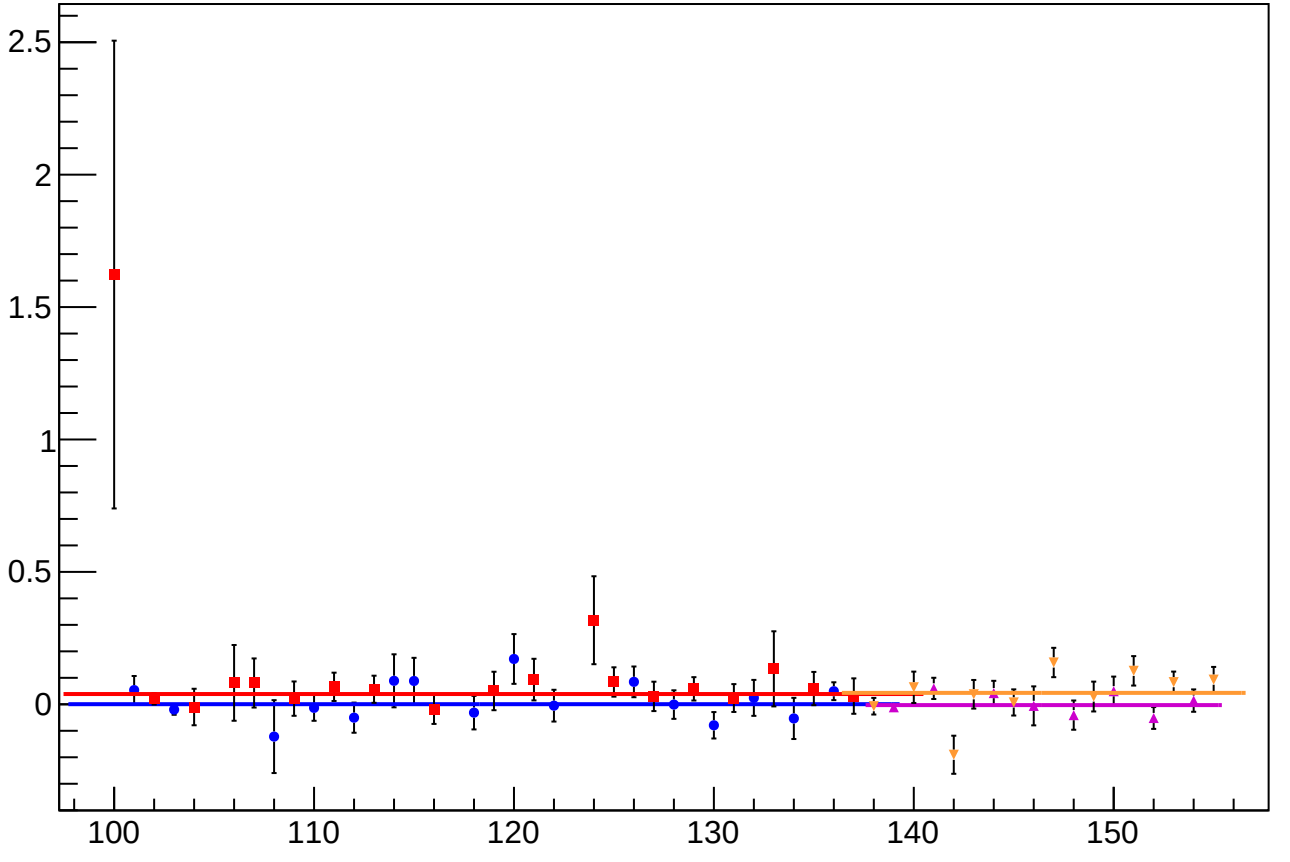
+ sign 0.000+/-0.000 χ^2/NDF: 29.0/25

All: 0.000+/-0.000 χ^2/NDF: 52.2/52

- sign 0.000+/-0.000 χ^2/NDF: 23.2/26


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:584645.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:411448.3/7
+ sign 0.000+/-0.000 χ²/NDF: 3118376.1/25
All: 0.000+/-0.000 χ²/NDF: 6767096.6/52
- sign 0.000+/-0.000 χ²/NDF: 3642254.5/26

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: 0.043+/-0.015 χ^2/NDF:22.5/9

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

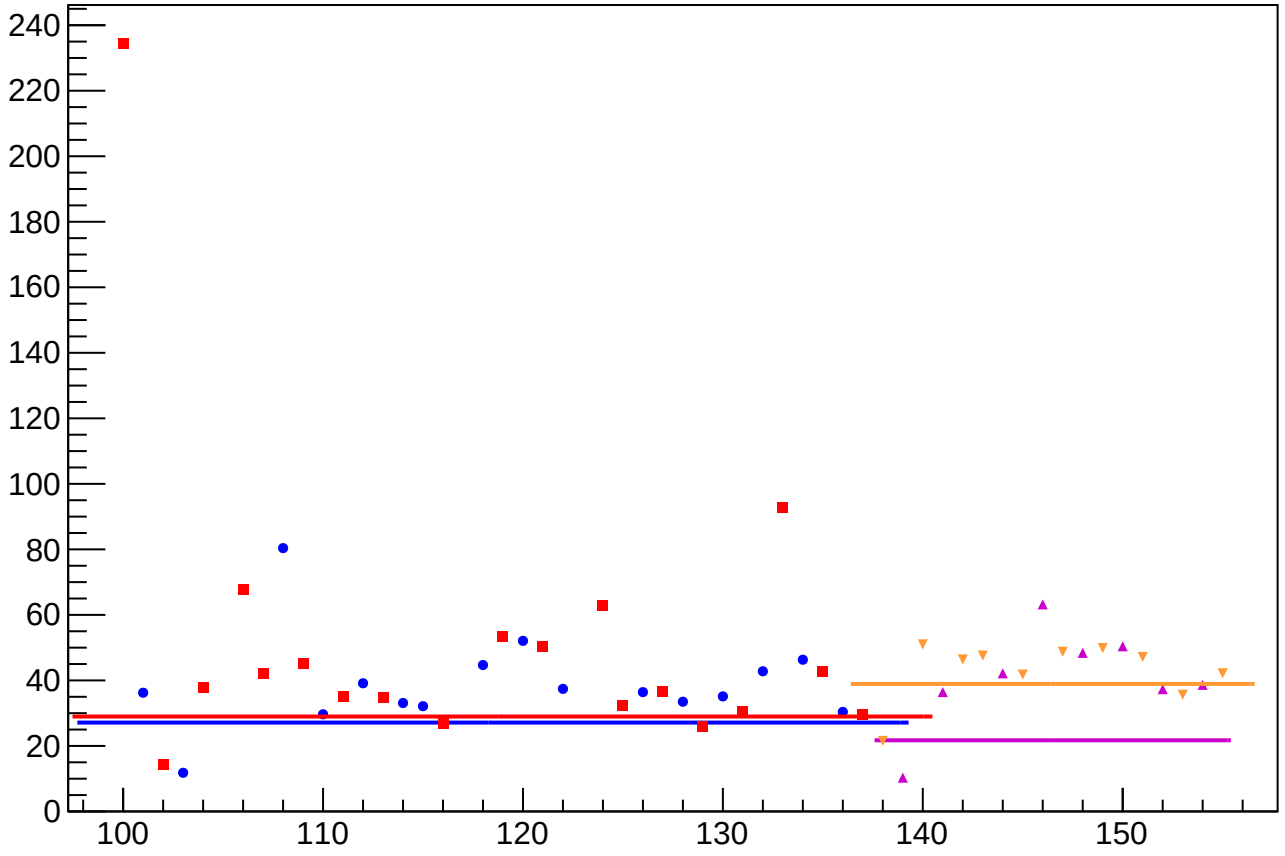
Left In: -0.003+/-0.011 χ^2/NDF:6.7/7

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/25

All: 0.016+/-0.006 χ^2/NDF: 68.0/52

- sign 0.015+/-0.008 χ^2/NDF: 24.1/26

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: 38.929+/-0.011 χ^2/NDF:982032.9/9

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

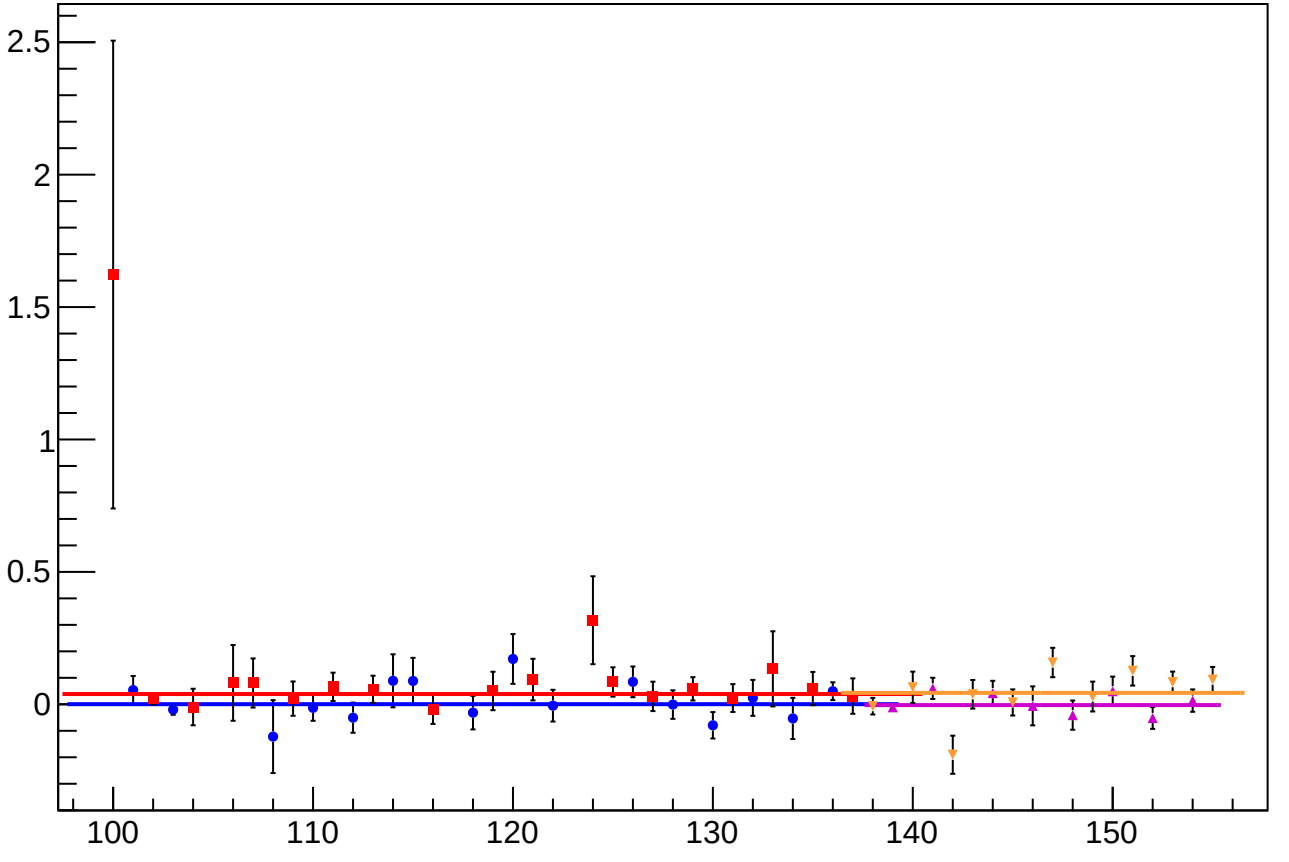
Left In: 21.728+/-0.008 χ^2/NDF:4354295.9/7

+ sign 31.637+/-0.007 χ^2/NDF: 4132384.3/25

All: 27.720+/-0.004 χ^2/NDF: 11925172.9/52

- sign 24.778+/-0.006 χ^2/NDF: 7192061.6/26

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.043+/-0.015 χ^2/NDF:22.5/9

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

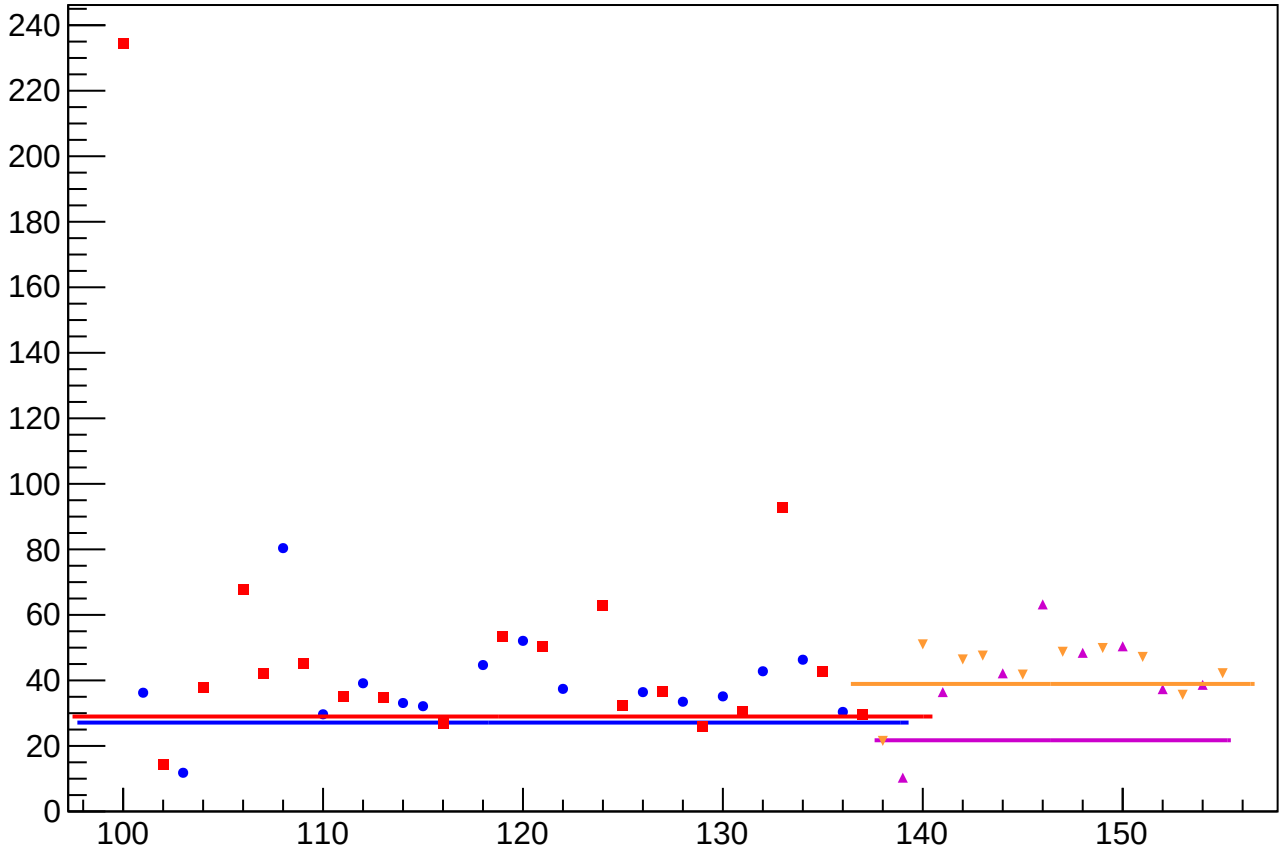
Left In: -0.003+/-0.011 χ^2/NDF:6.7/7

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/25

All: 0.016+/-0.006 χ^2/NDF: 68.0/52

- sign 0.015+/-0.008 χ^2/NDF: 24.1/26

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: 38.929+/-0.011 χ^2/NDF:982032.9/9

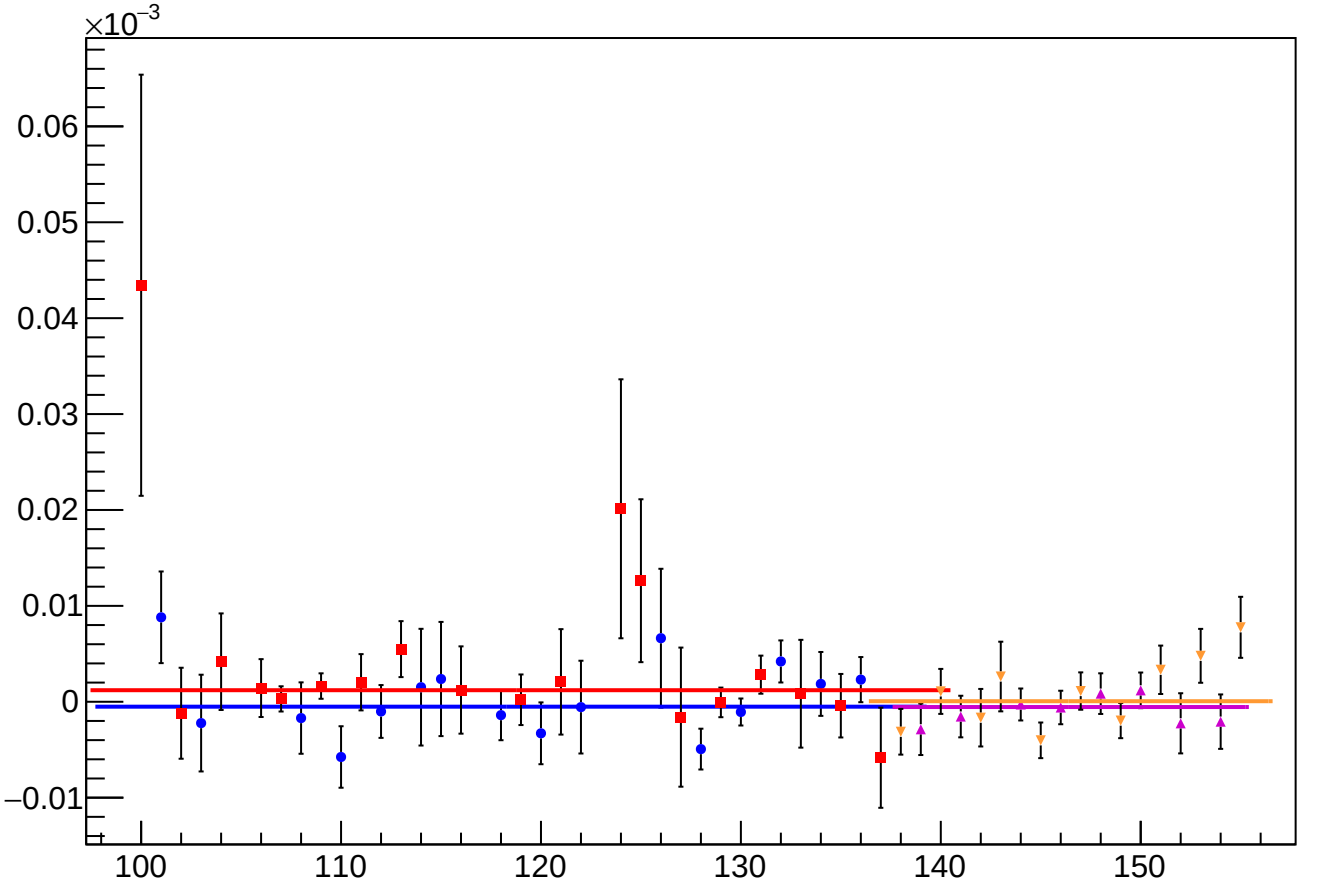
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.728+/-0.008 χ^2/NDF:4354295.9/7

+ sign 31.637+/-0.007 χ^2/NDF: 4132384.3/25

All: 27.720+/-0.004 χ^2/NDF: 11925172.9/52

- sign 24.778+/-0.006 χ^2/NDF: 7192061.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/9

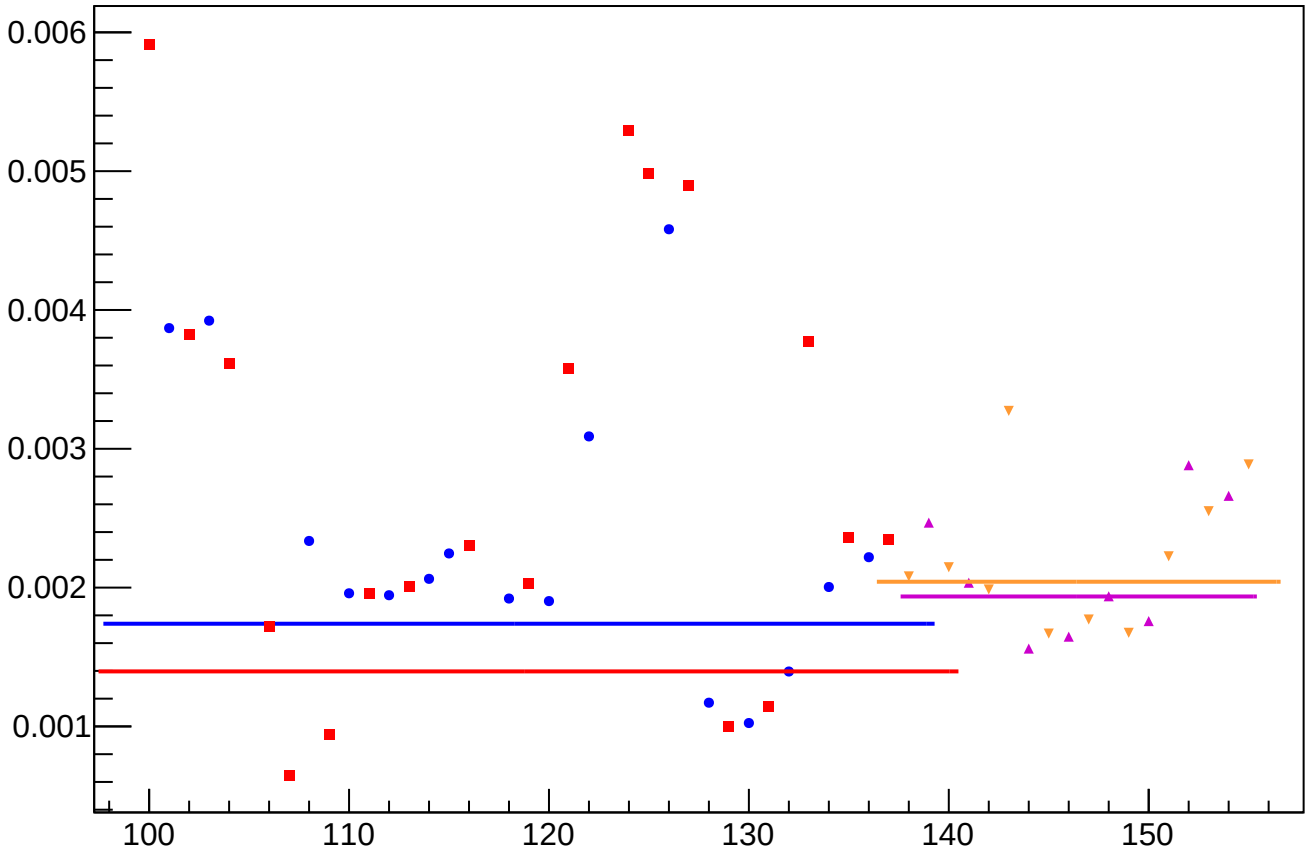
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 39.8/25

All: 0.000+/-0.000 χ^2/NDF: 61.7/52

- sign 0.000+/-0.000 χ^2/NDF: 20.8/26



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:652363.7/9

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

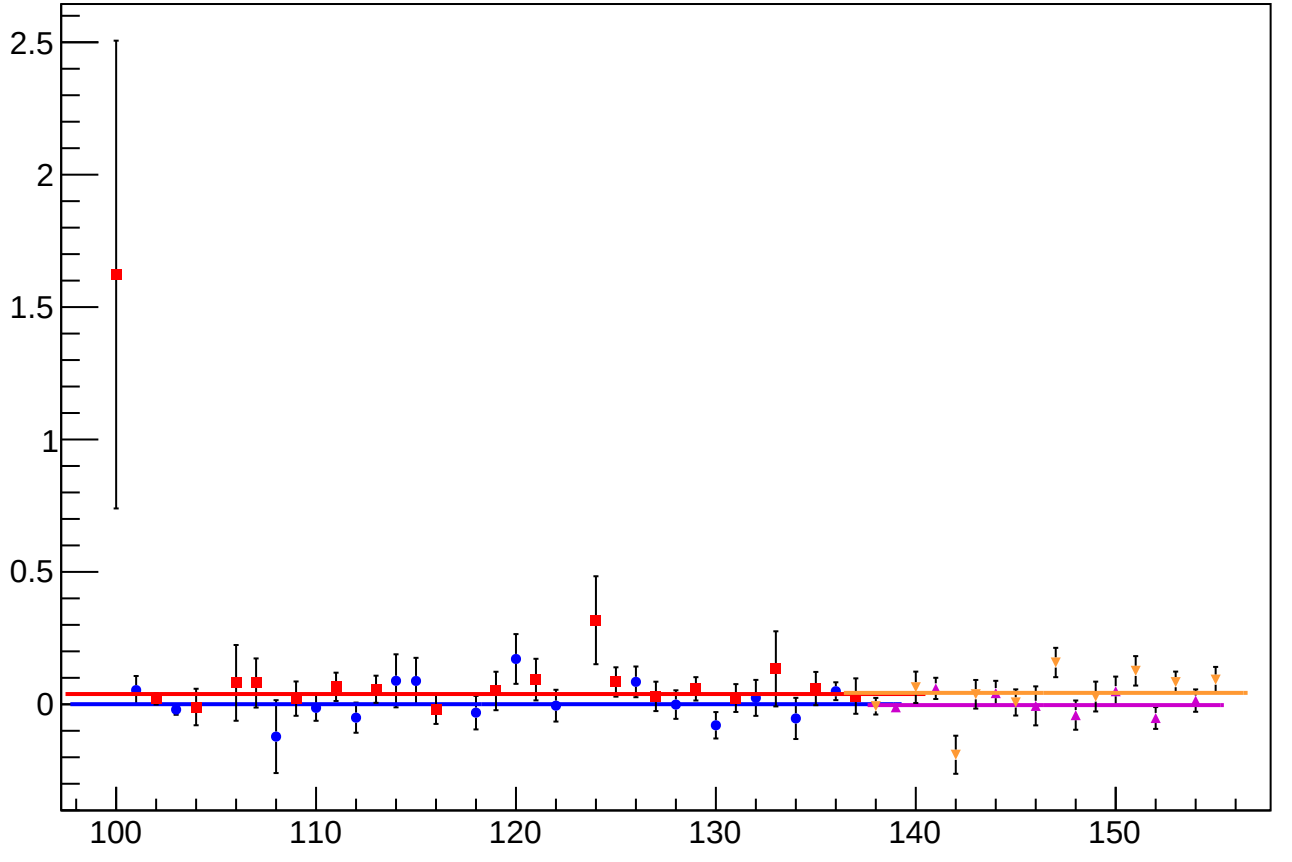
Left In: 0.002+/-0.000 χ^2/NDF:569724.3/7

+ sign 0.002+/-0.000 χ^2/NDF: 2969342.2/25

All: 0.002+/-0.000 χ^2/NDF: 8784605.8/52

- sign 0.002+/-0.000 χ^2/NDF: 5514791.2/26

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.043+/-0.015 χ^2/NDF:22.5/9

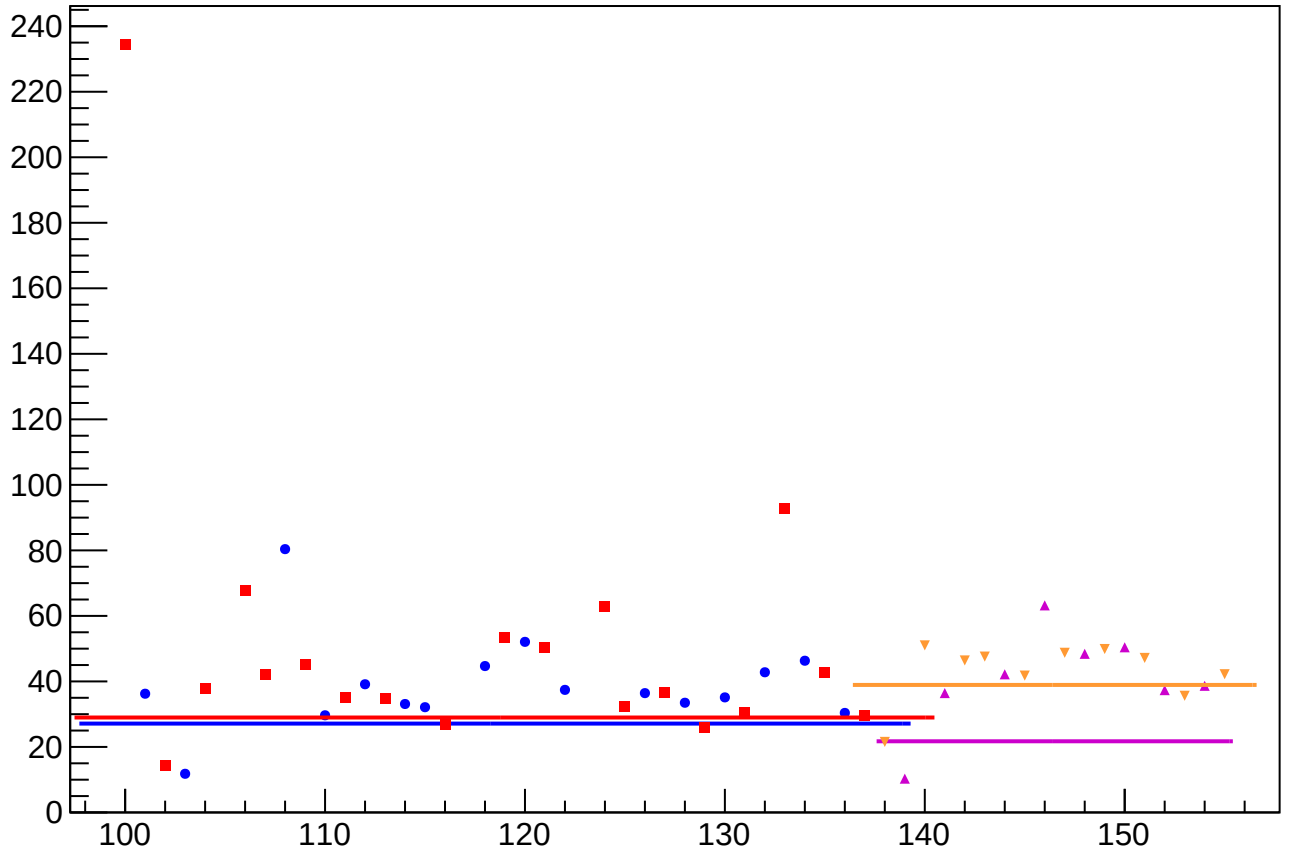
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.003+/-0.011 χ^2/NDF:6.7/7

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/25

All: 0.016+/-0.006 χ^2/NDF: 68.0/52

- sign 0.015+/-0.008 χ^2/NDF: 24.1/26



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 38.928+/-0.011 χ^2/NDF:982456.9/9

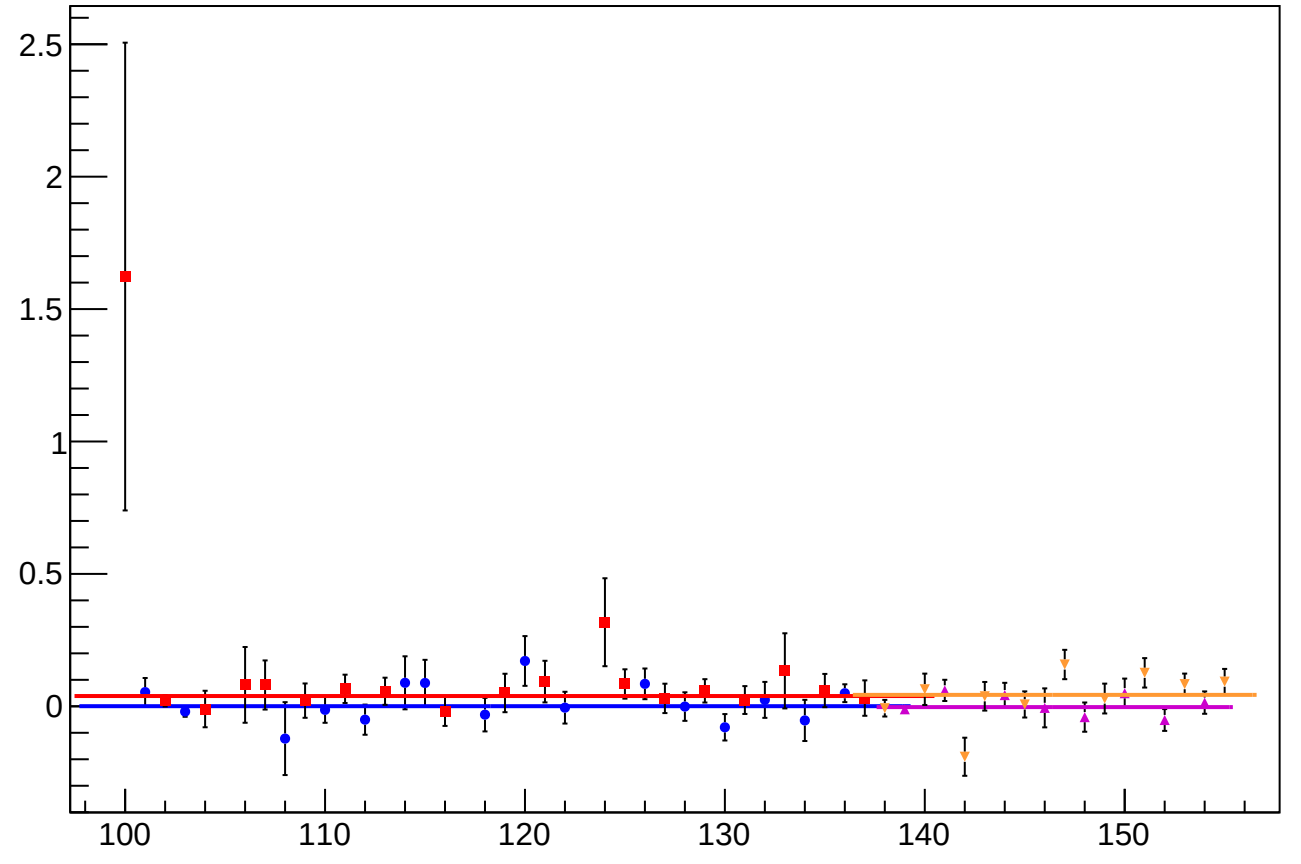
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.726+/-0.008 χ^2/NDF:4354976.7/7

+ sign 31.637+/-0.007 χ^2/NDF: 4133115.6/25

All: 27.719+/-0.004 χ^2/NDF: 11926444.2/52

- sign 24.778+/-0.006 χ^2/NDF: 7192646.8/26



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.043+/-0.015 χ^2/NDF:22.5/9

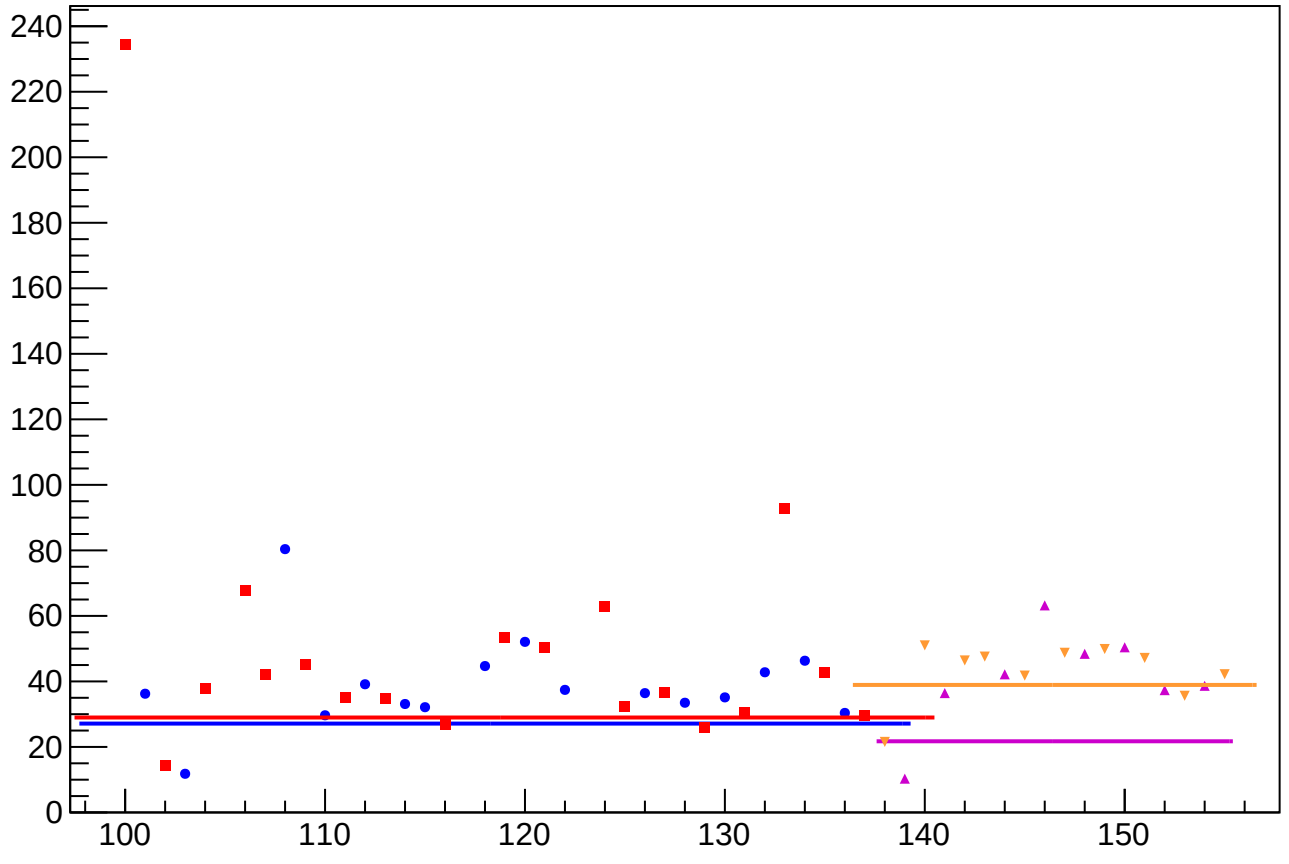
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.003+/-0.011 χ^2/NDF:6.7/7

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/25

All: 0.016+/-0.006 χ^2/NDF: 68.0/52

- sign 0.015+/-0.008 χ^2/NDF: 24.1/26



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 38.928+/-0.011 χ^2/NDF:982456.9/9

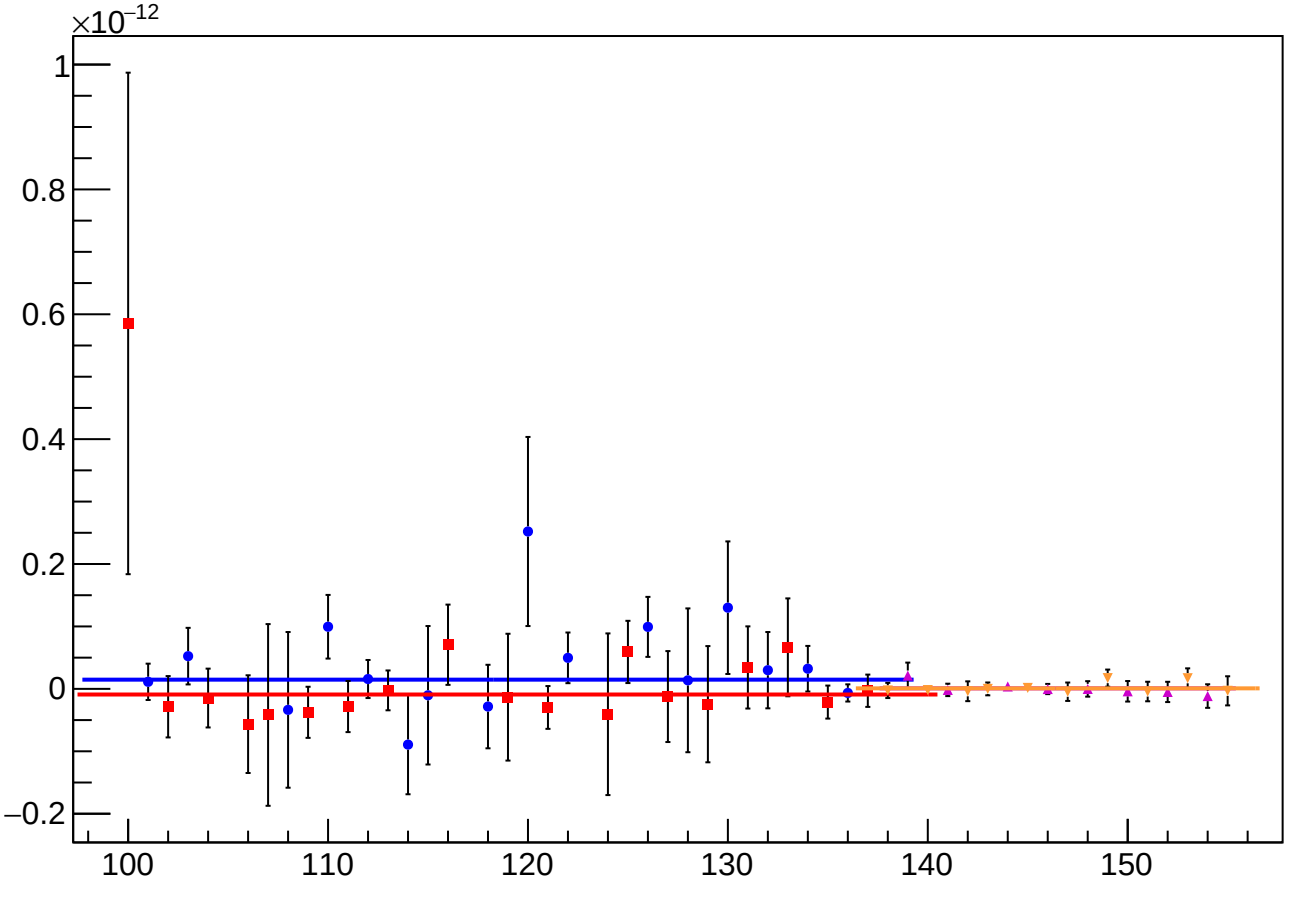
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.726+/-0.008 χ^2/NDF:4354976.7/7

+ sign 31.637+/-0.007 χ^2/NDF: 4133115.6/25

All: 27.719+/-0.004 χ^2/NDF: 11926444.2/52

- sign 24.778+/-0.006 χ^2/NDF: 7192646.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/9

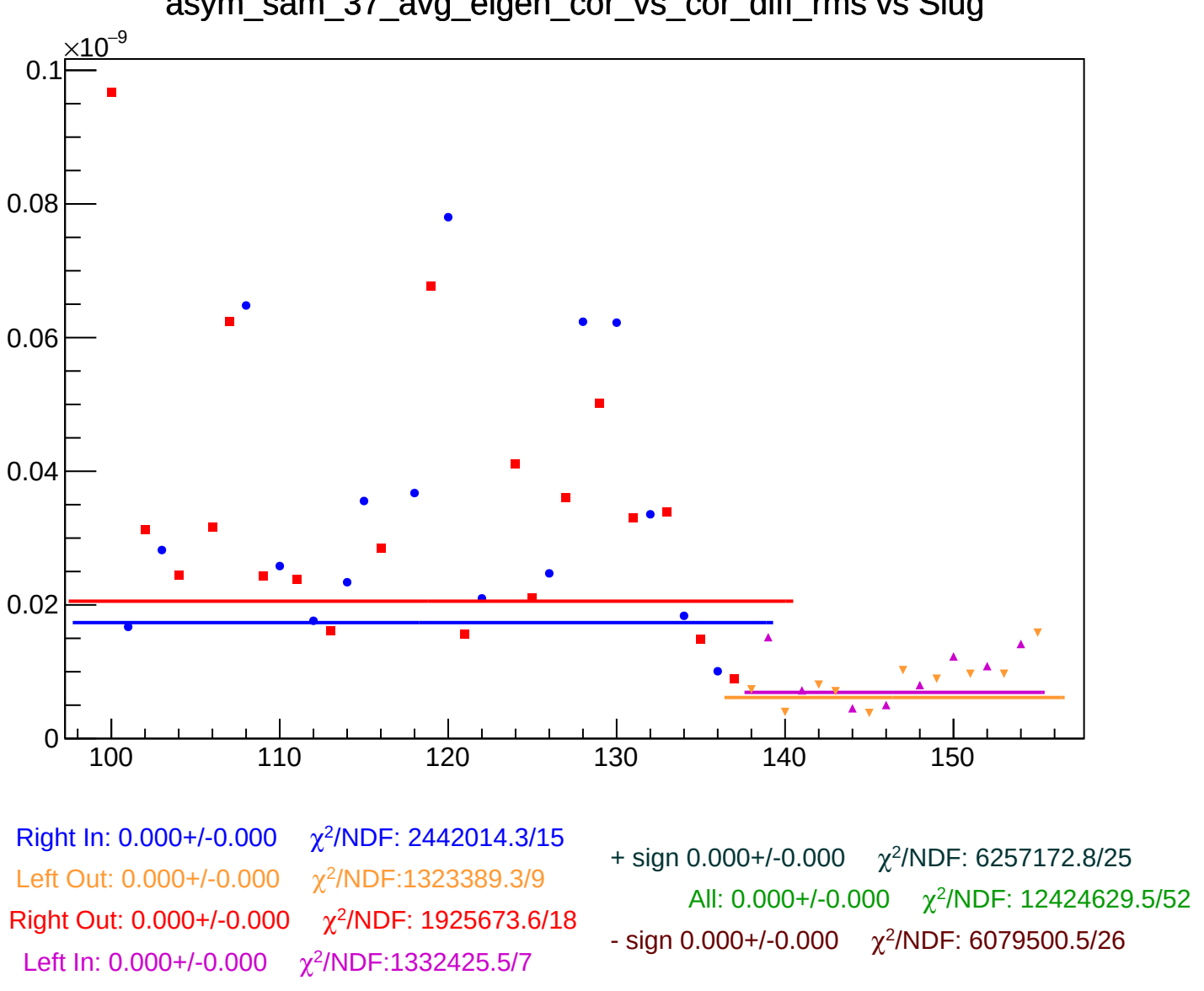
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/7

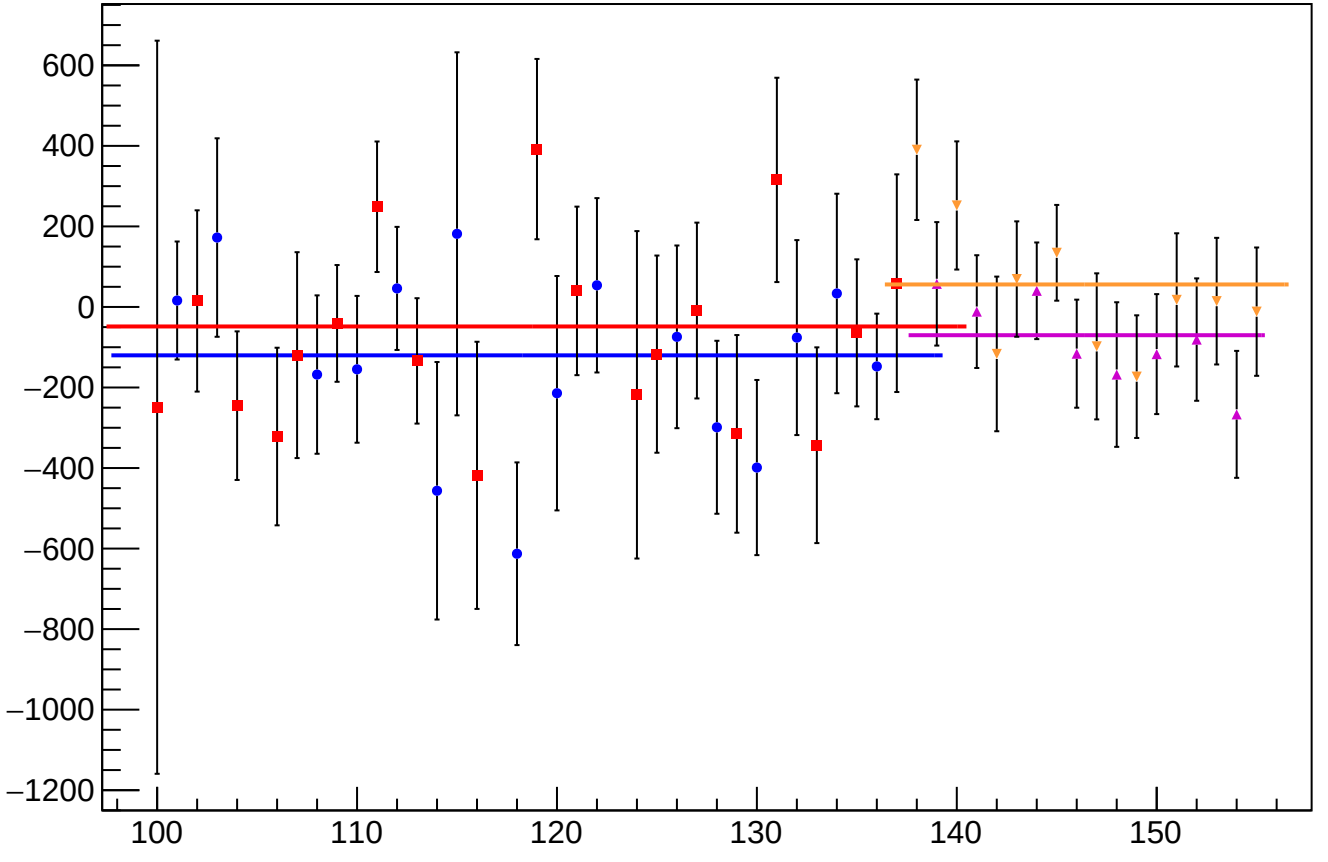
+ sign 0.000+/-0.000 χ^2/NDF: 21.0/25

All: 0.000+/-0.000 χ^2/NDF: 32.9/52

- sign -0.000+/-0.000 χ^2/NDF: 11.7/26


asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2442014.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1323389.3/9
Right Out: 0.000+/-0.000 χ²/NDF: 1925673.6/18
Left In: 0.000+/-0.000 χ²/NDF:1332425.5/7
+ sign 0.000+/-0.000 χ²/NDF: 6257172.8/25
All: 0.000+/-0.000 χ²/NDF: 12424629.5/52
- sign 0.000+/-0.000 χ²/NDF: 6079500.5/26

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 55.869+/-49.454 χ^2/NDF:9.7/9

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

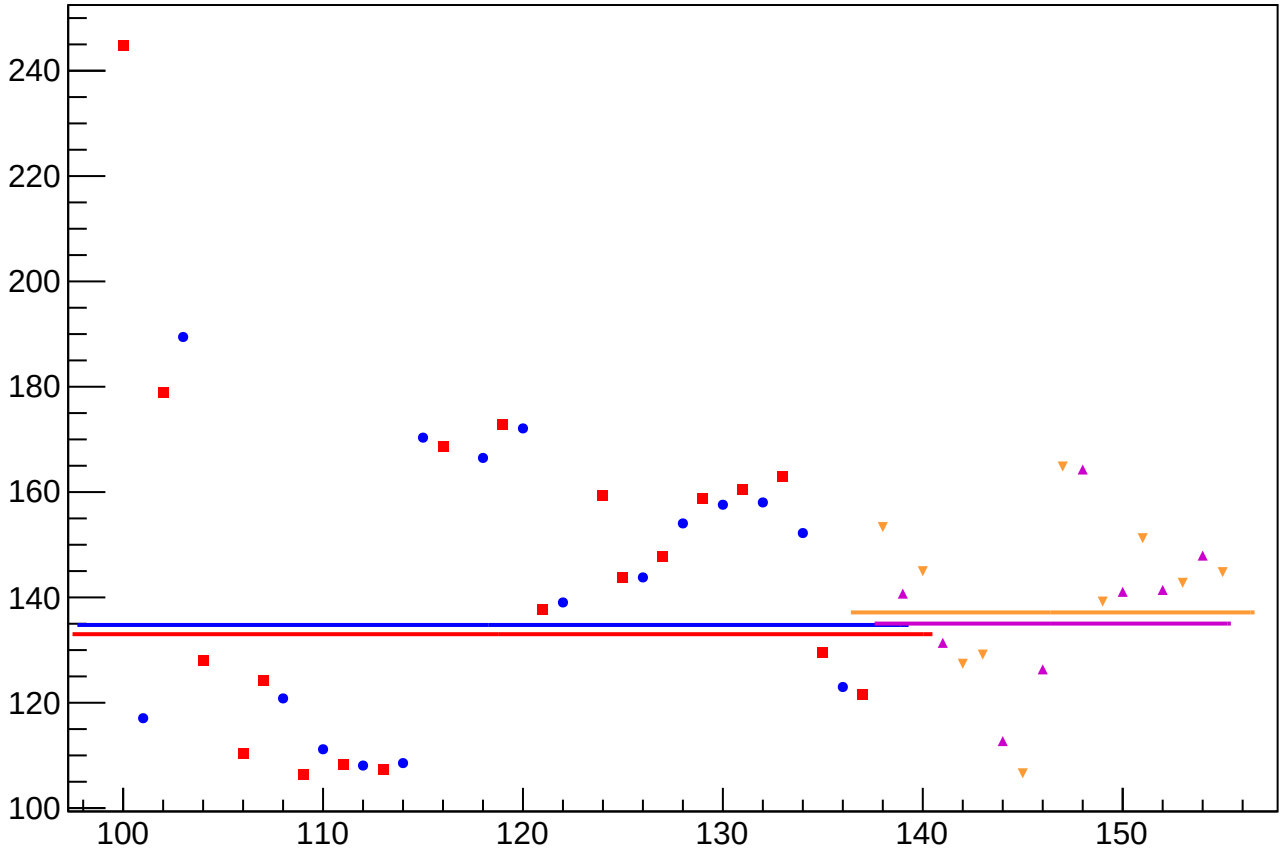
Left In: -70.149+/-51.421 χ^2/NDF:3.8/7

+ sign -29.258+/-35.538 χ^2/NDF: 29.3/25

All: -44.002+/-25.226 χ^2/NDF: 50.5/52

- sign -58.975+/-35.814 χ^2/NDF: 20.9/26

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 137.150+/-0.035 χ^2/NDF:234300.6/9

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

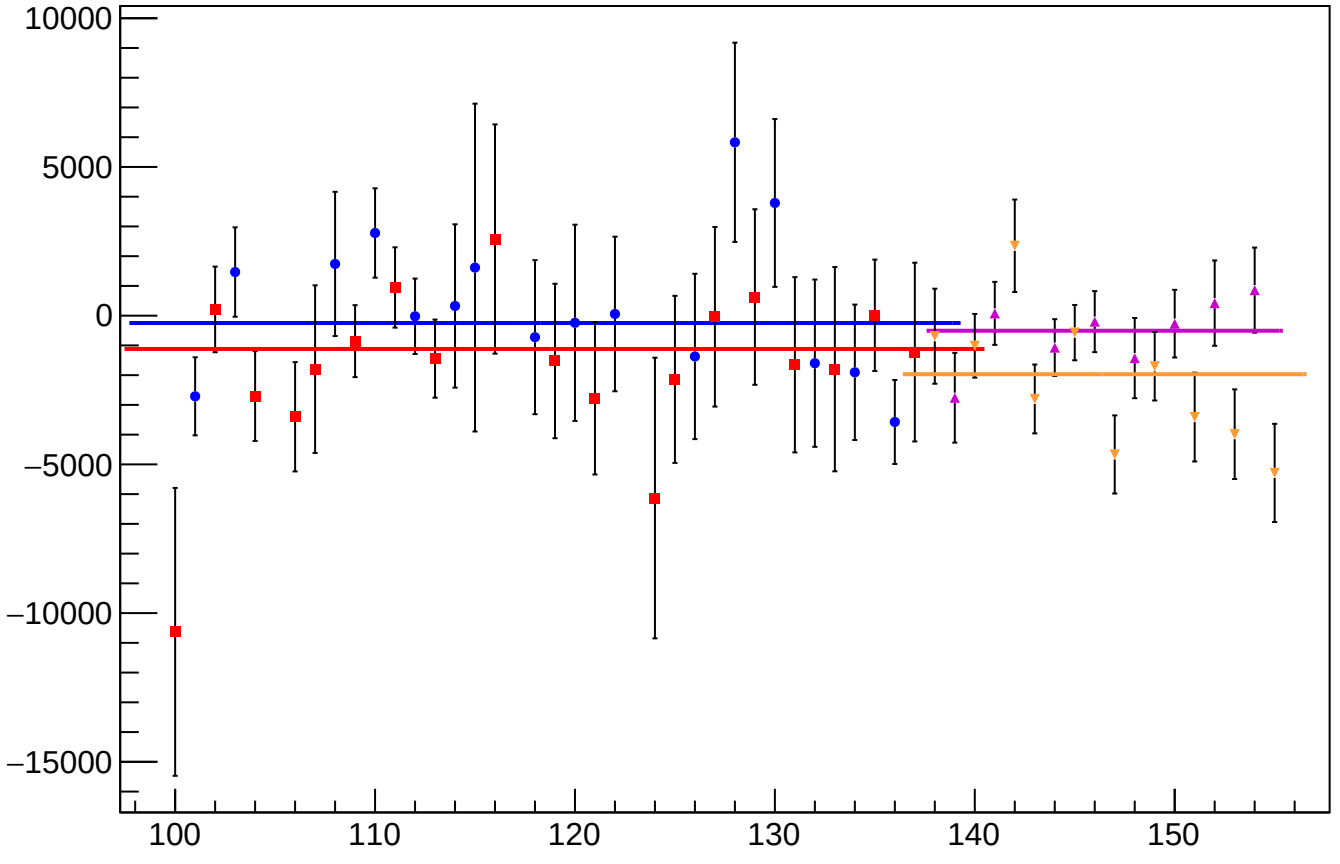
Left In: 135.031+/-0.036 χ^2/NDF:154987.4/7

+ sign 136.000+/-0.025 χ^2/NDF: 653317.5/25

All: 135.005+/-0.018 χ^2/NDF: 1308754.9/52

- sign 133.995+/-0.025 χ^2/NDF: 652281.2/26

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1967.685+/-402.472 χ^2/NDF:23.0/9

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

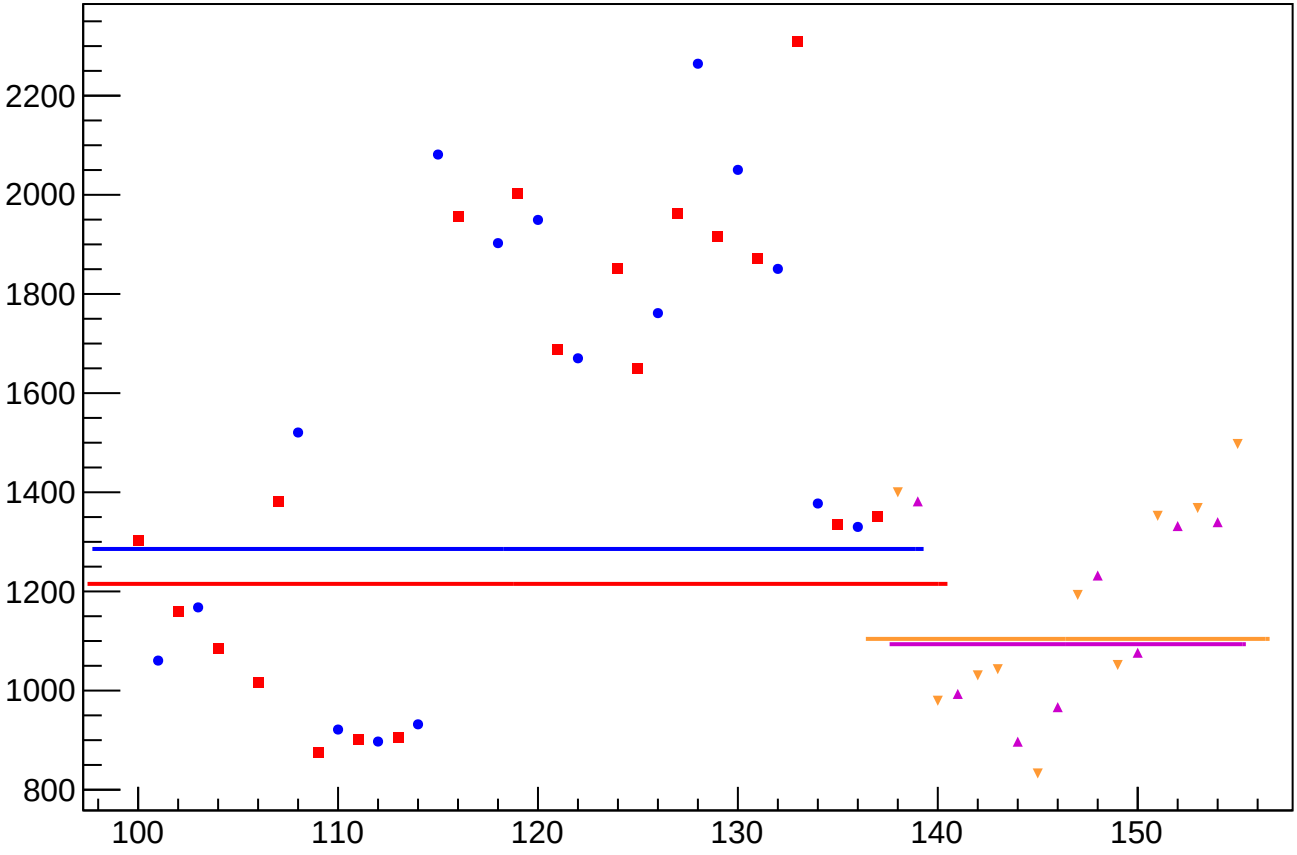
Left In: -506.760+/-419.696 χ^2/NDF:4.8/7

+ sign -1293.211+/-313.868 χ^2/NDF: 51.7/25

All: -1035.343+/-221.480 χ^2/NDF: 72.2/52

- sign -779.593+/-312.575 χ^2/NDF: 19.2/26

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1104.276+/-0.285 χ^2/NDF:519779.7/9

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

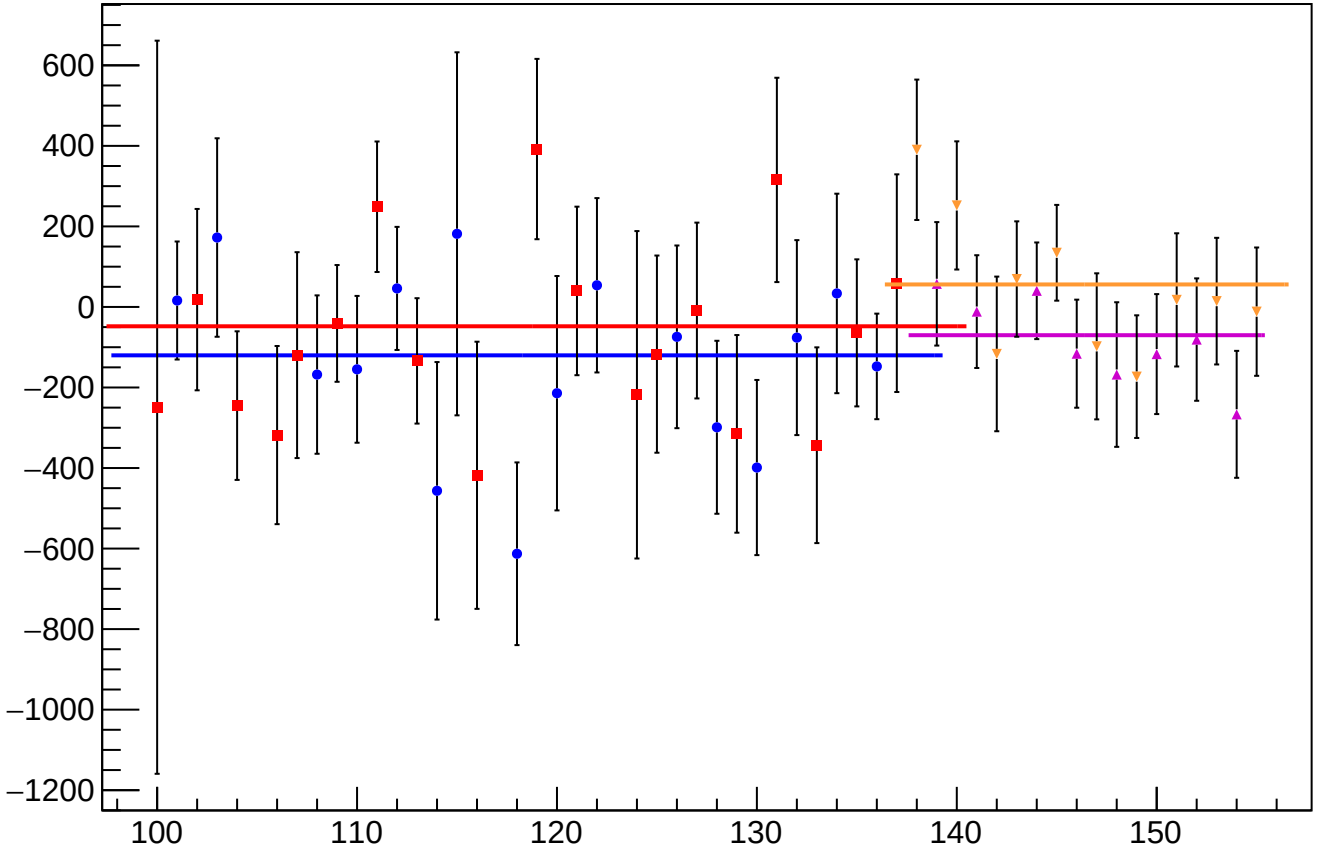
Left In: 1093.579+/-0.297 χ^2/NDF:342379.0/7

+ sign 1175.352+/-0.222 χ^2/NDF: 1849399.6/25

All: 1161.497+/-0.157 χ^2/NDF: 3660668.3/52

- sign 1147.756+/-0.221 χ^2/NDF: 1803506.7/26

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 55.880+/-49.454 χ^2/NDF:9.7/9

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

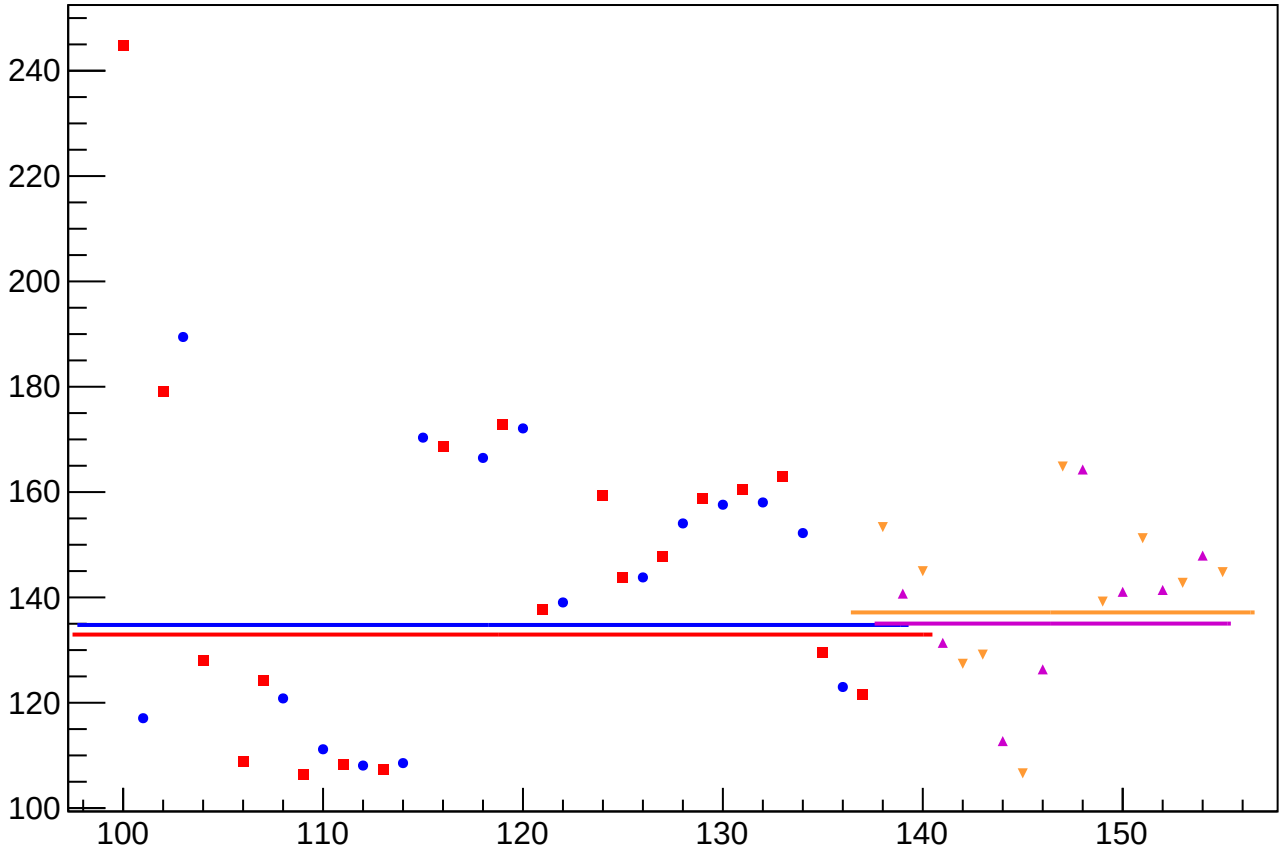
Left In: -70.149+/-51.421 χ^2/NDF:3.8/7

+ sign -29.258+/-35.538 χ^2/NDF: 29.3/25

All: -43.890+/-25.227 χ^2/NDF: 50.5/52

- sign -58.753+/-35.817 χ^2/NDF: 20.8/26

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.150+/-0.035 χ^2/NDF:234300.6/9

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

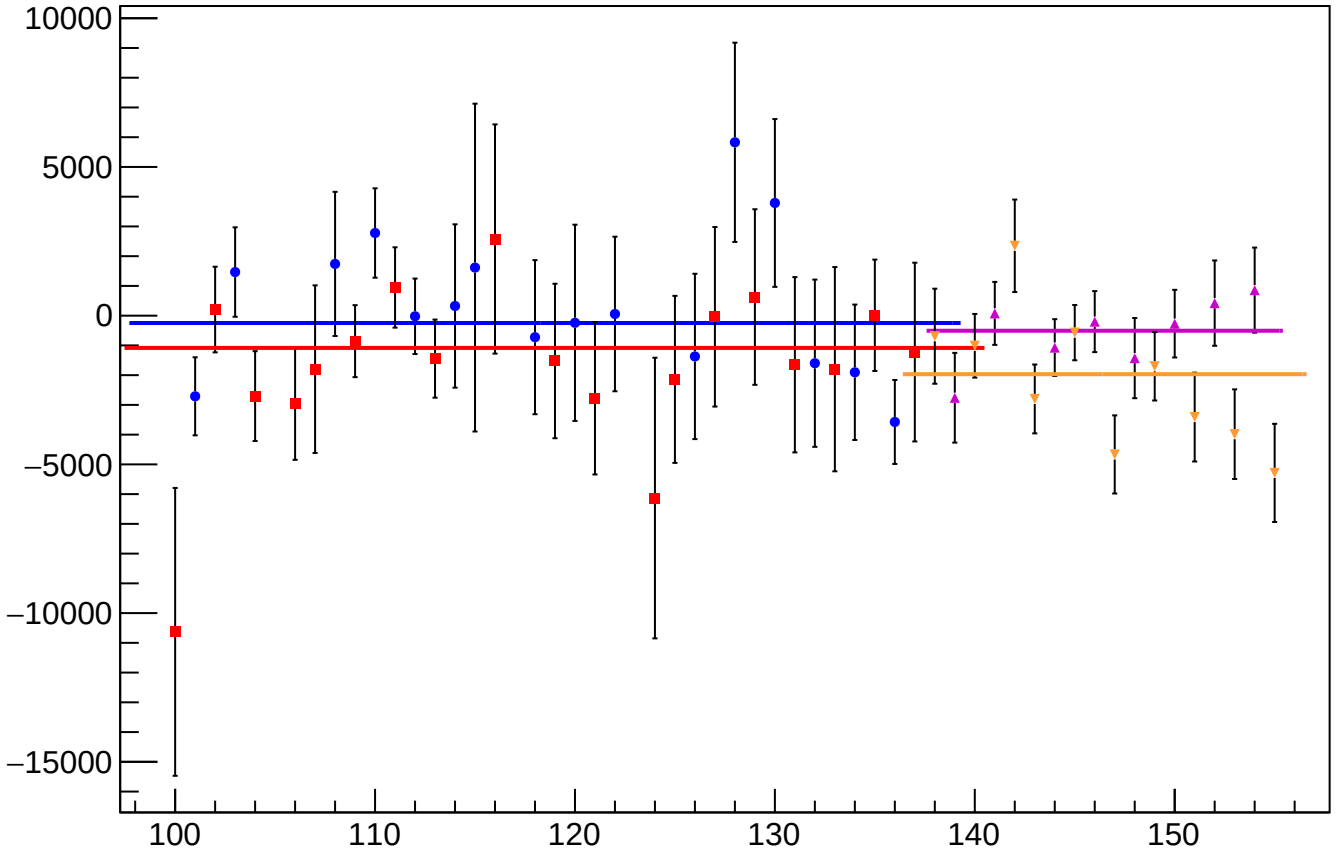
Left In: 135.031+/-0.036 χ^2/NDF:154987.4/7

+ sign 136.000+/-0.025 χ^2/NDF: 653320.5/25

All: 134.987+/-0.018 χ^2/NDF: 1312124.3/52

- sign 133.958+/-0.025 χ^2/NDF: 655530.0/26

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1967.675+/-402.472 χ^2/NDF:23.0/9

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

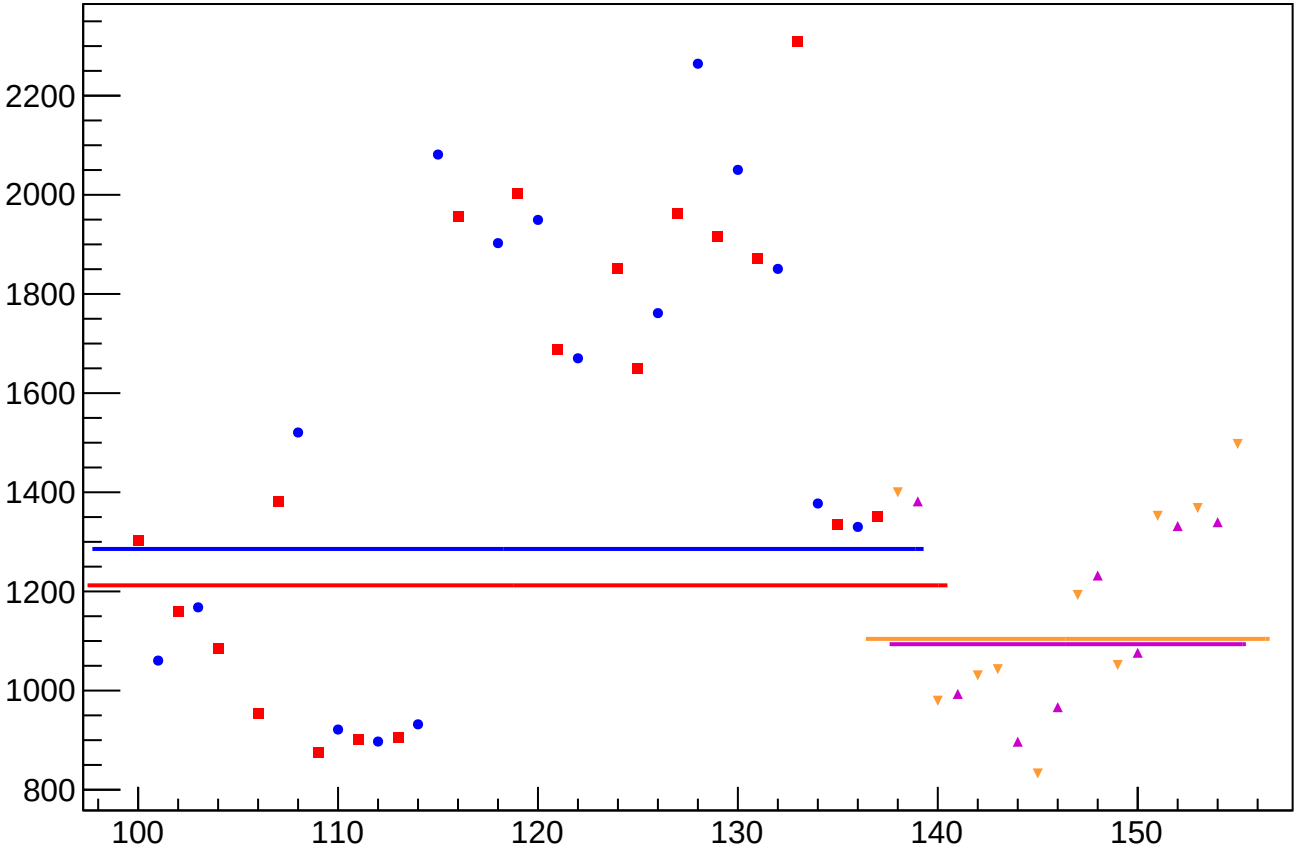
Left In: -506.769+/-419.697 χ^2/NDF:4.8/7

+ sign -1293.241+/-313.869 χ^2/NDF: 51.7/25

All: -1027.411+/-221.577 χ^2/NDF: 71.6/52

- sign -763.305+/-312.850 χ^2/NDF: 18.4/26

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1104.276+/-0.285 χ^2/NDF:519782.2/9

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

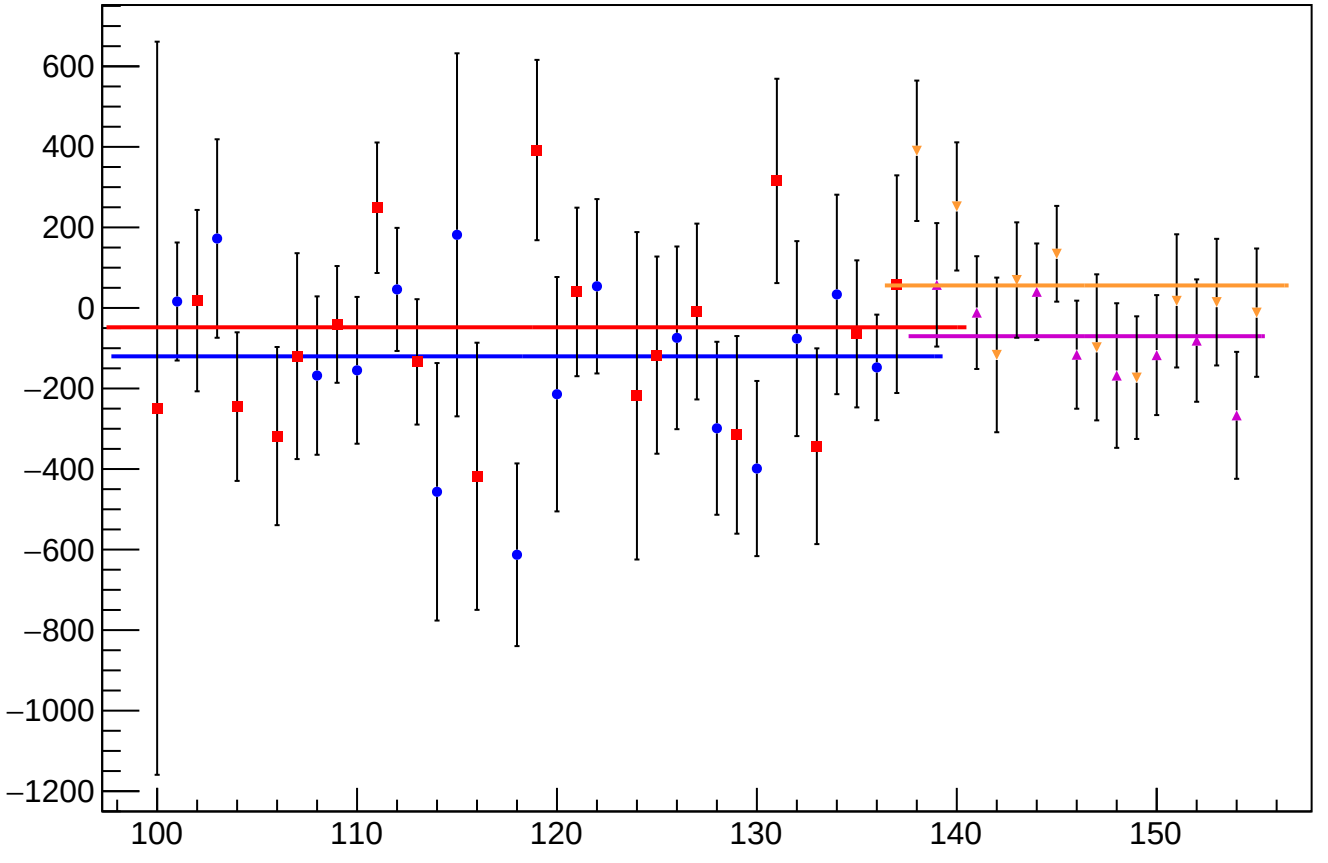
Left In: 1093.579+/-0.297 χ^2/NDF:342377.4/7

+ sign 1175.356+/-0.222 χ^2/NDF: 1849399.7/25

All: 1160.792+/-0.157 χ^2/NDF: 3672079.0/52

- sign 1146.322+/-0.221 χ^2/NDF: 1814094.7/26

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 55.880+/-49.454 χ^2/NDF:9.7/9

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

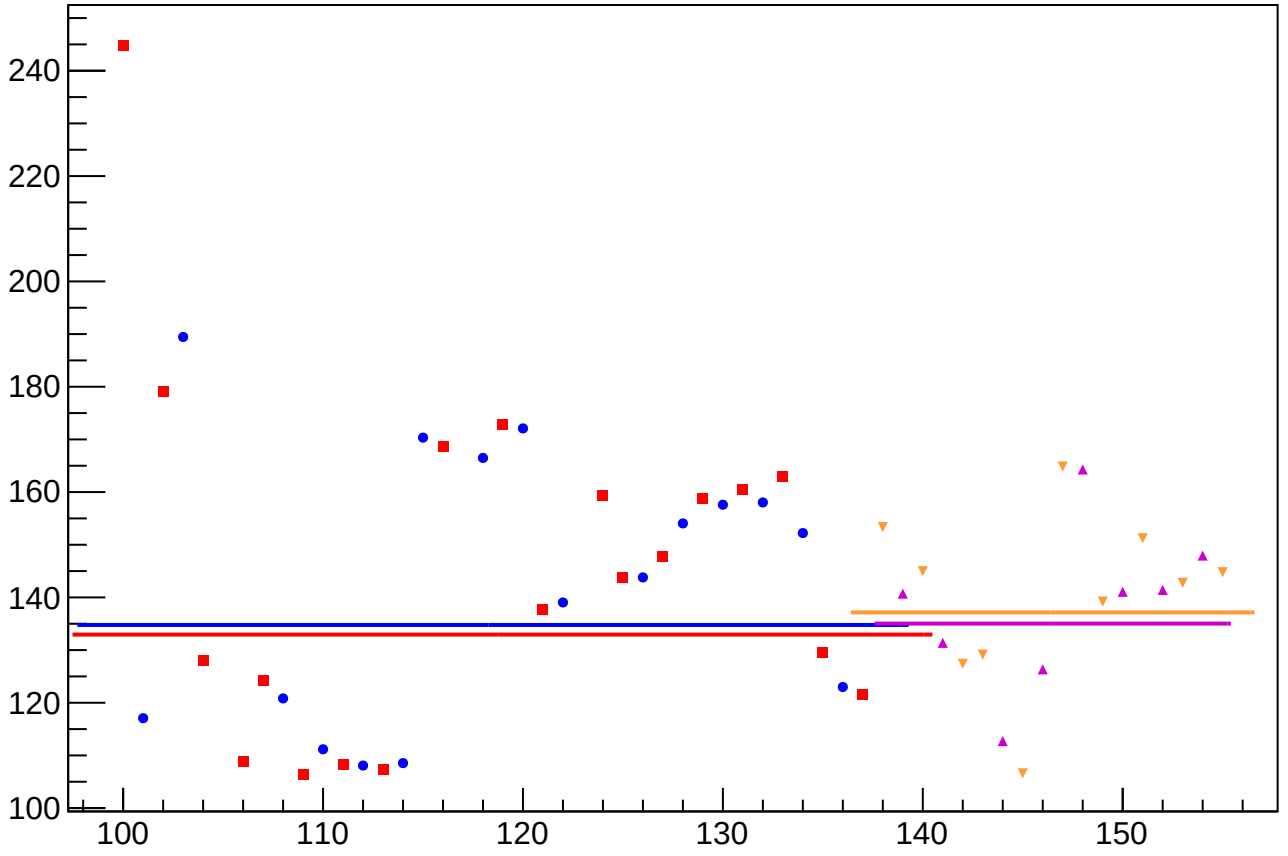
Left In: -70.149+/-51.421 χ^2/NDF:3.8/7

+ sign -29.258+/-35.538 χ^2/NDF: 29.3/25

All: -43.890+/-25.227 χ^2/NDF: 50.5/52

- sign -58.753+/-35.817 χ^2/NDF: 20.8/26

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.150+/-0.035 χ^2/NDF:234300.6/9

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

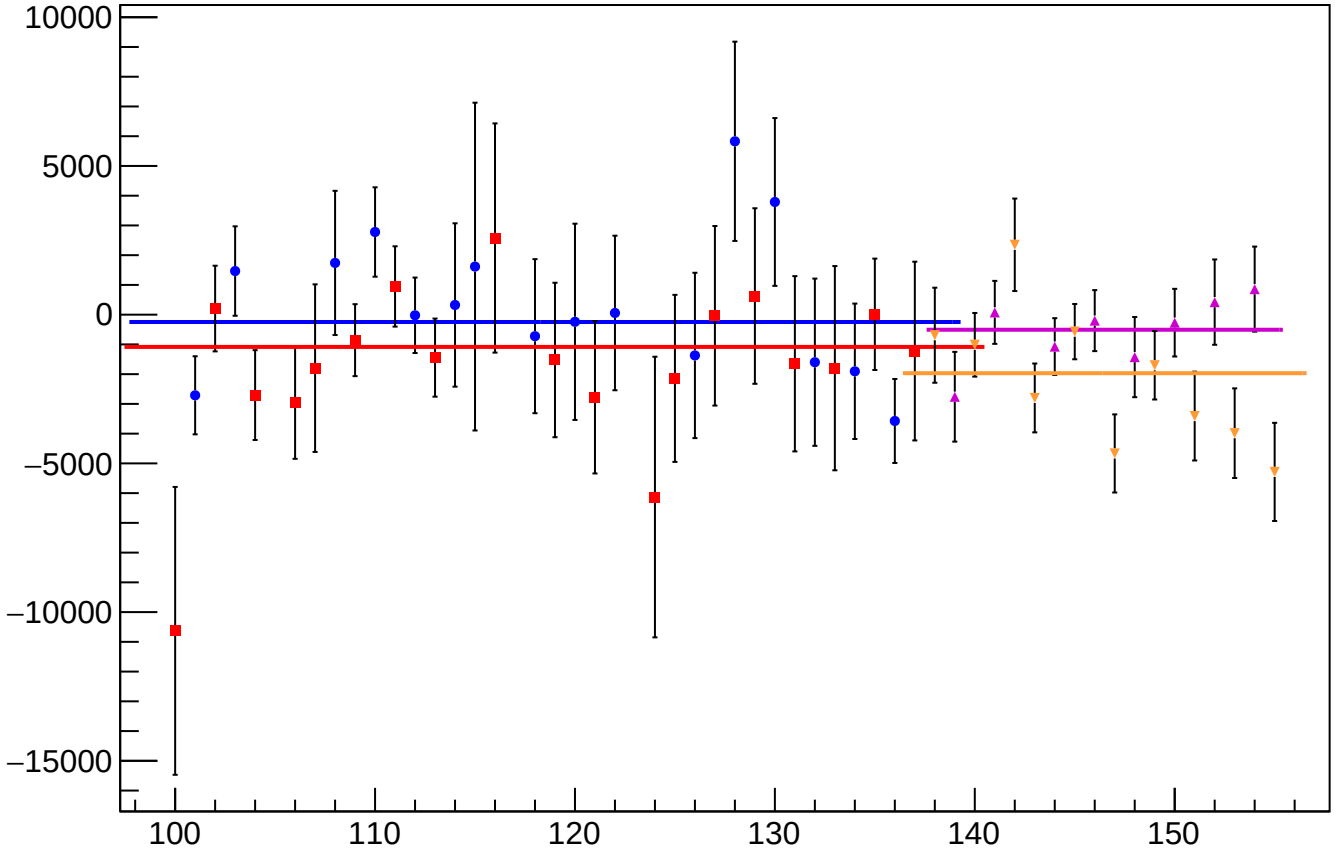
Left In: 135.031+/-0.036 χ^2/NDF:154987.4/7

+ sign 136.000+/-0.025 χ^2/NDF: 653320.5/25

All: 134.987+/-0.018 χ^2/NDF: 1312124.3/52

- sign 133.958+/-0.025 χ^2/NDF: 655530.0/26

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1967.675+/-402.472 χ^2/NDF:23.0/9

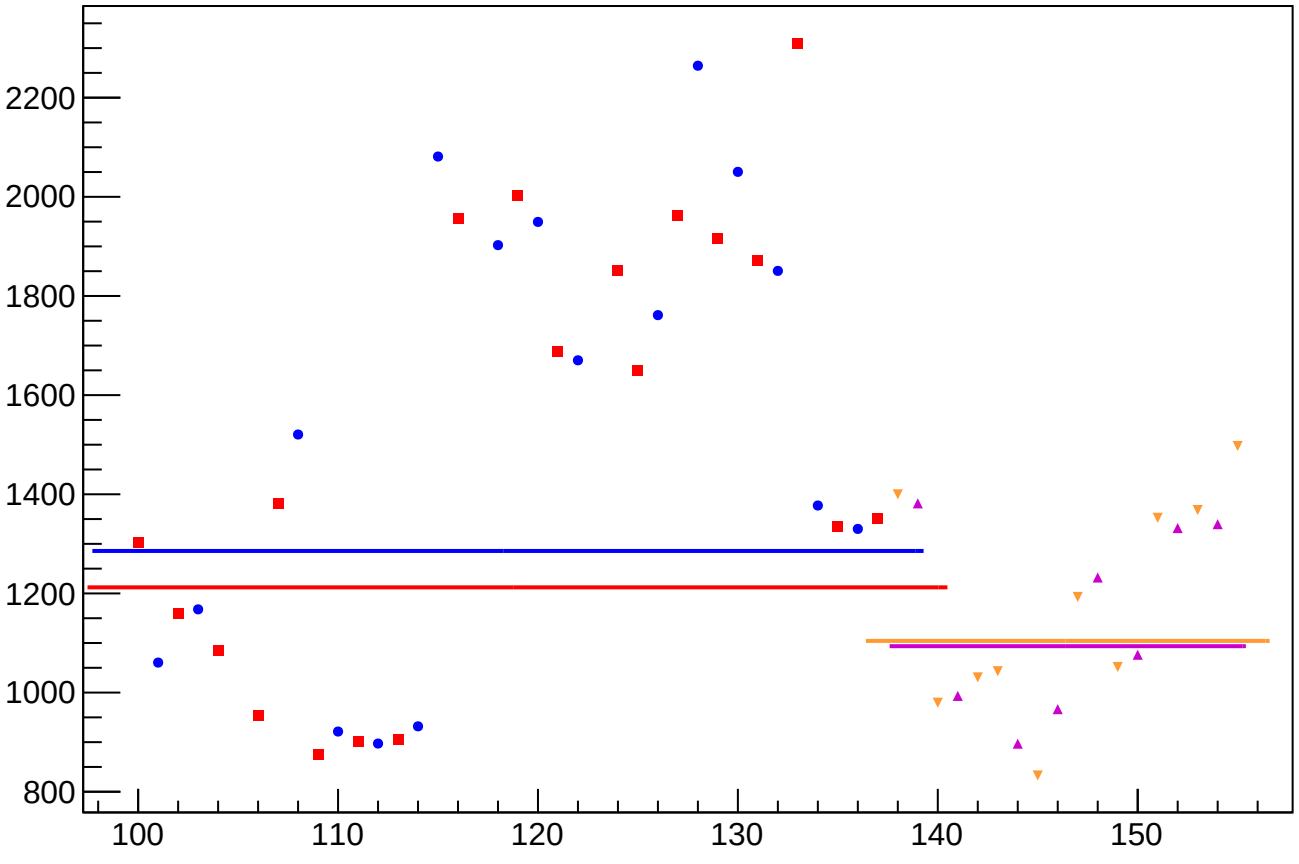
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -506.769+/-419.697 χ^2/NDF:4.8/7

+ sign -1293.241+/-313.869 χ^2/NDF: 51.7/25

All: -1027.411+/-221.577 χ^2/NDF: 71.6/52

- sign -763.305+/-312.850 χ^2/NDF: 18.4/26



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1104.276+/-0.285 χ^2/NDF:519782.2/9

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

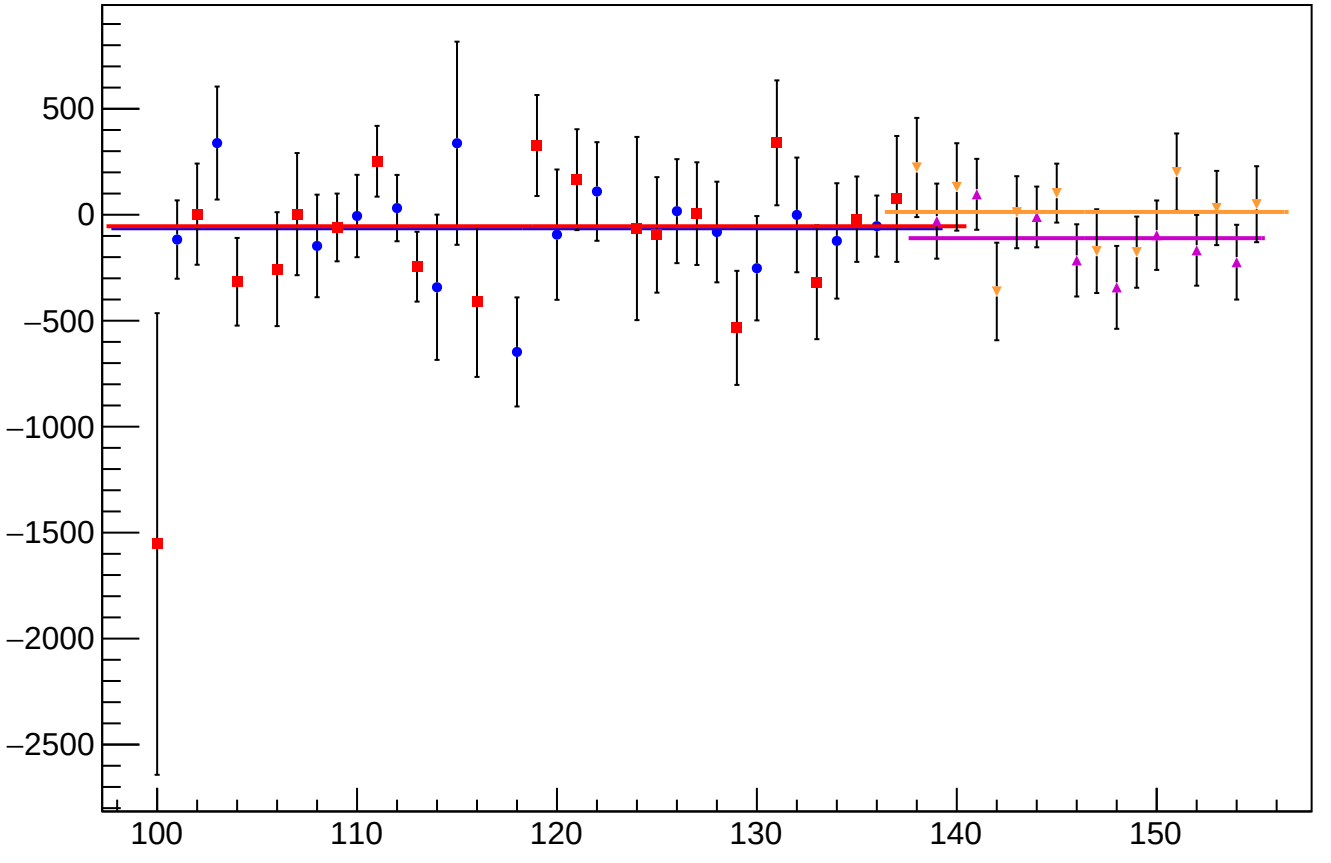
Left In: 1093.579+/-0.297 χ^2/NDF:342377.4/7

+ sign 1175.356+/-0.222 χ^2/NDF: 1849399.7/25

All: 1160.792+/-0.157 χ^2/NDF: 3672079.0/52

- sign 1146.322+/-0.221 χ^2/NDF: 1814094.7/26

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 13.276+/-57.552 χ^2/NDF:7.5/9

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

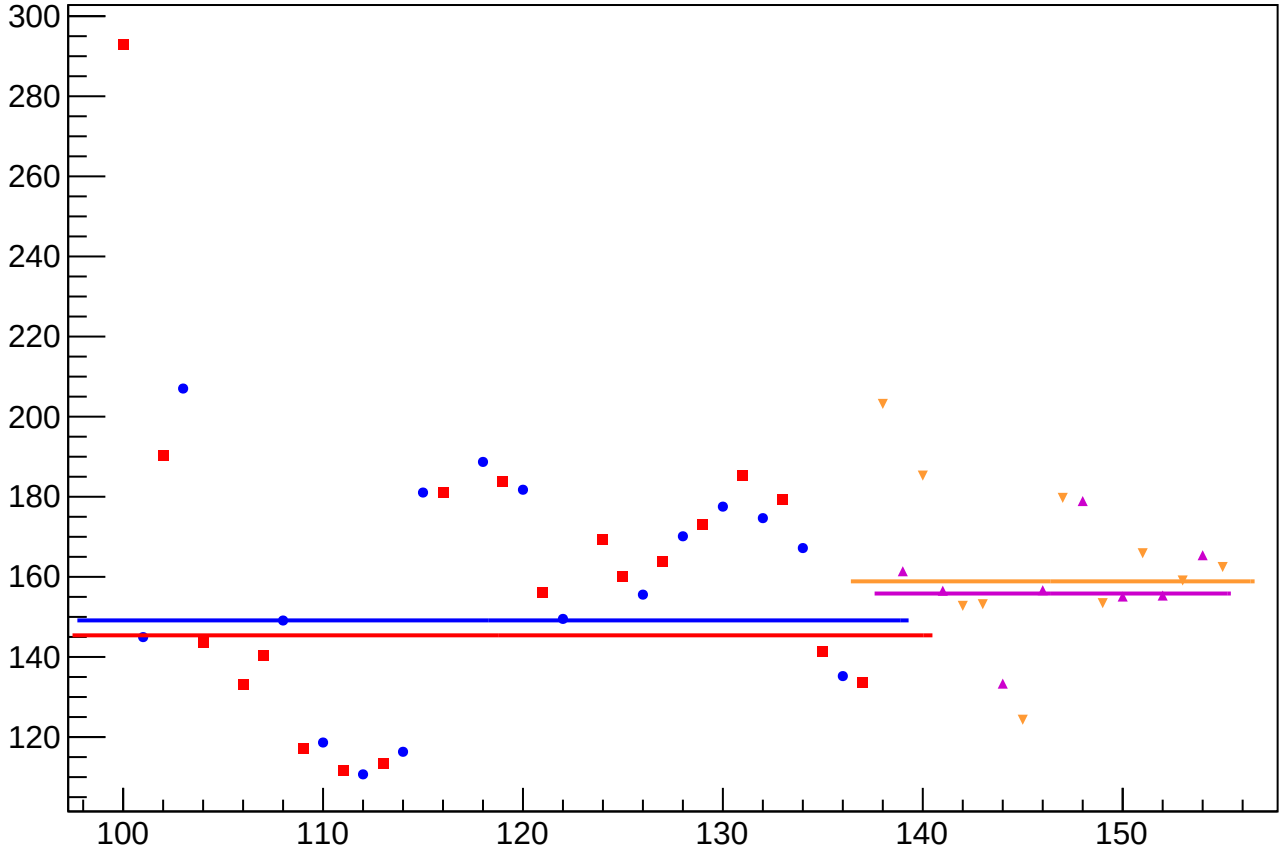
Left In: -110.523+/-59.527 χ^2/NDF:4.6/7

+ sign -25.804+/-40.403 χ^2/NDF: 19.2/25

All: -53.007+/-28.531 χ^2/NDF: 44.6/52

- sign -80.064+/-40.294 χ^2/NDF: 24.5/26

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.879+/-0.041 χ^2/NDF:259711.4/9

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

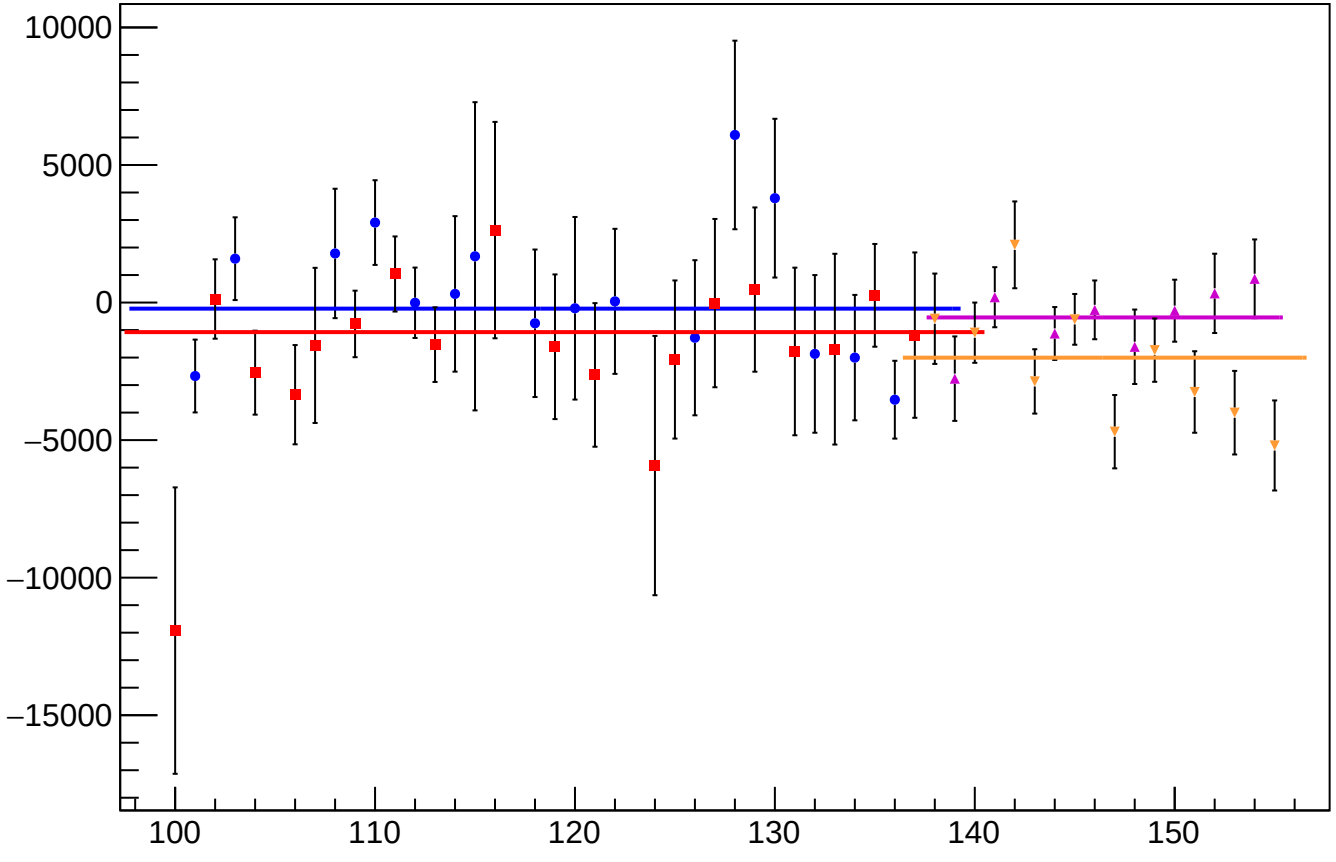
Left In: 155.839+/-0.042 χ^2/NDF:85201.0/7

+ sign 153.935+/-0.029 χ^2/NDF: 739819.0/25

All: 152.054+/-0.020 χ^2/NDF: 1392817.7/52

- sign 150.183+/-0.028 χ^2/NDF: 644351.6/26

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -2003.538+/-405.166 χ^2/NDF:21.4/9

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

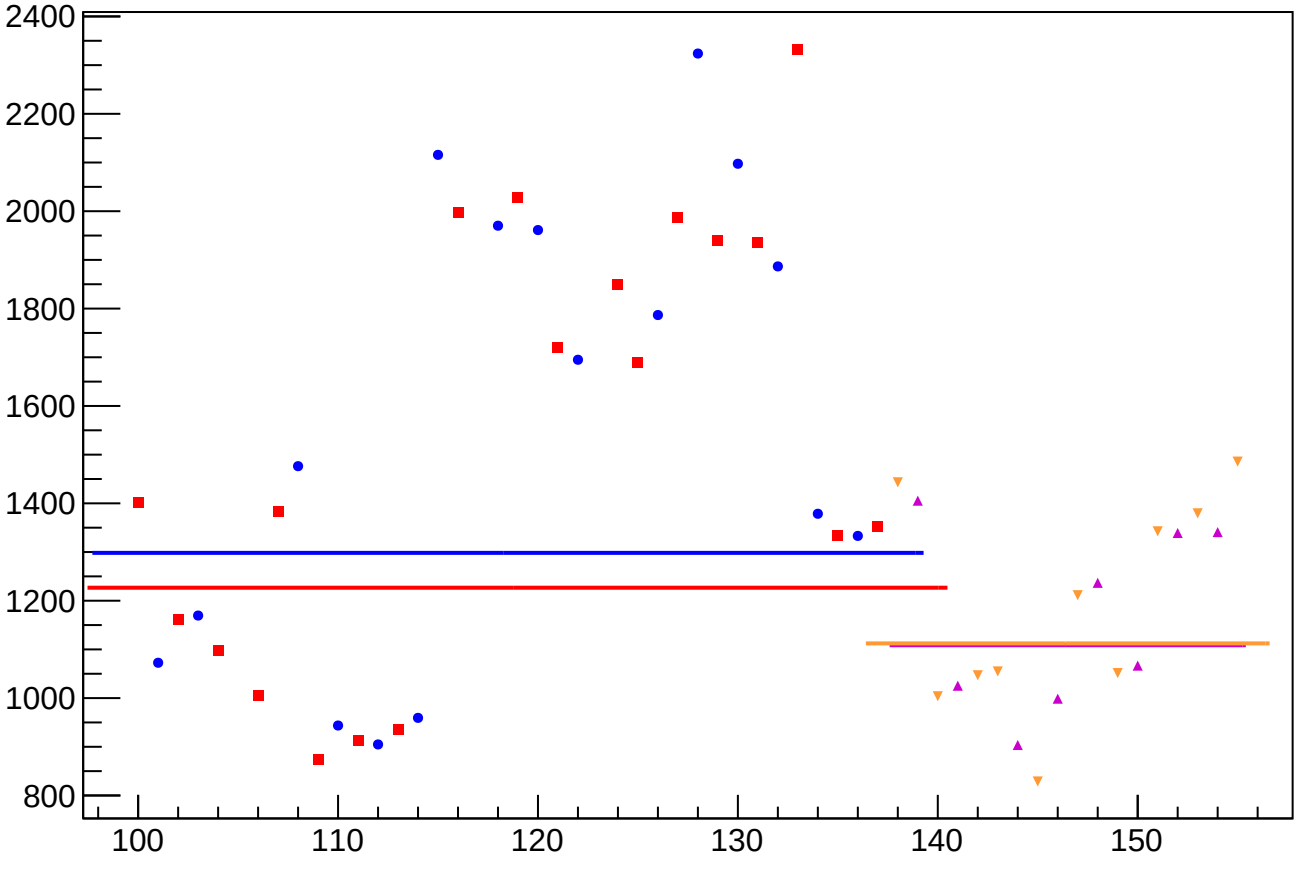
Left In: -541.063+/-425.410 χ^2/NDF:5.0/7

+ sign -1307.578+/-316.319 χ^2/NDF: 50.8/25

All: -1043.567+/-223.646 χ^2/NDF: 71.5/52

- sign -779.677+/-316.246 χ^2/NDF: 19.3/26

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1112.371+/-0.286 χ^2/NDF:528830.1/9

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

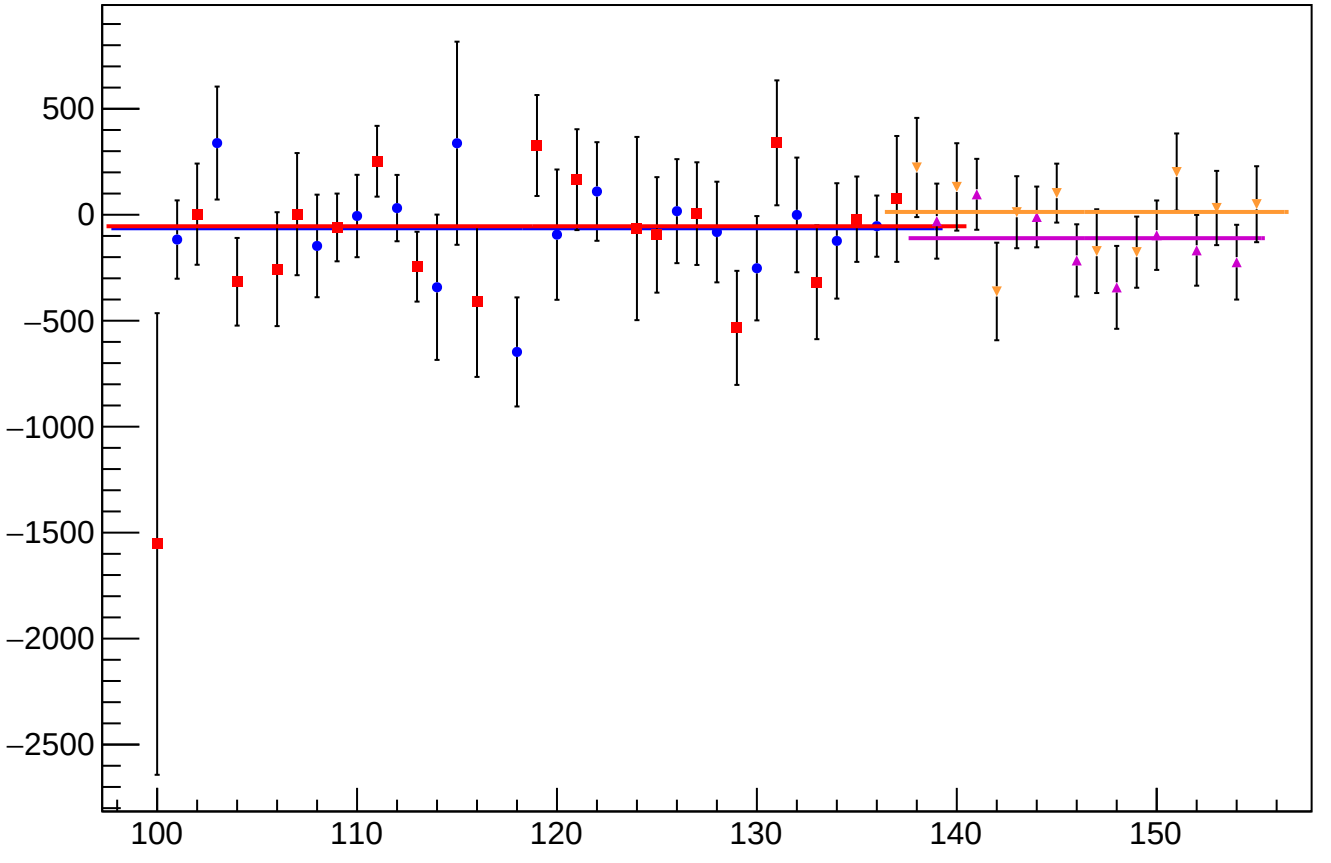
Left In: 1108.541+/-0.301 χ^2/NDF:322985.2/7

+ sign 1184.971+/-0.224 χ^2/NDF: 1875401.9/25

All: 1173.190+/-0.158 χ^2/NDF: 3677515.0/52

- sign 1161.415+/-0.224 χ^2/NDF: 1796566.1/26

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 13.278+/-57.552 χ^2/NDF:7.5/9

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

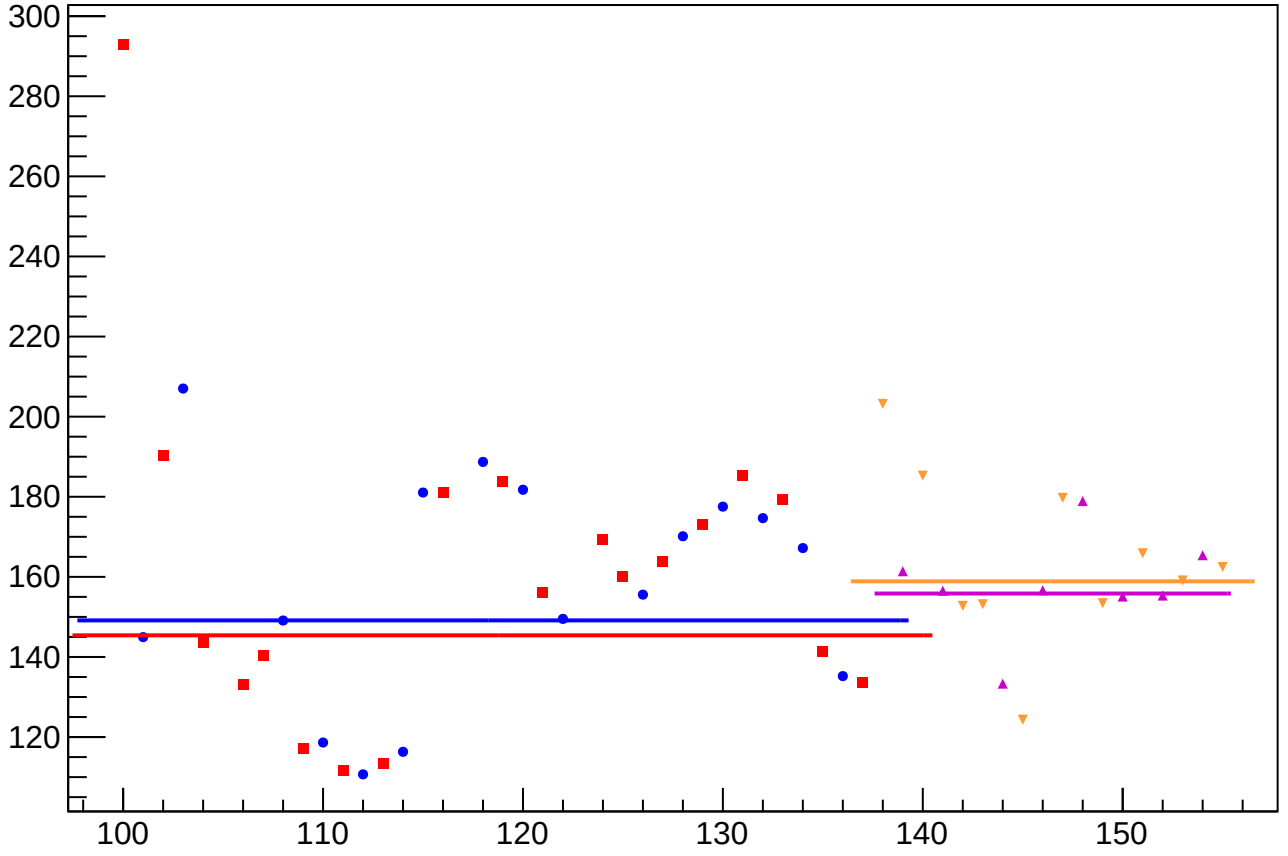
Left In: -110.524+/-59.527 χ^2/NDF:4.6/7

+ sign -25.802+/-40.403 χ^2/NDF: 19.2/25

All: -53.006+/-28.531 χ^2/NDF: 44.6/52

- sign -80.064+/-40.294 χ^2/NDF: 24.5/26

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.879+/-0.041 χ^2/NDF:259705.4/9

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

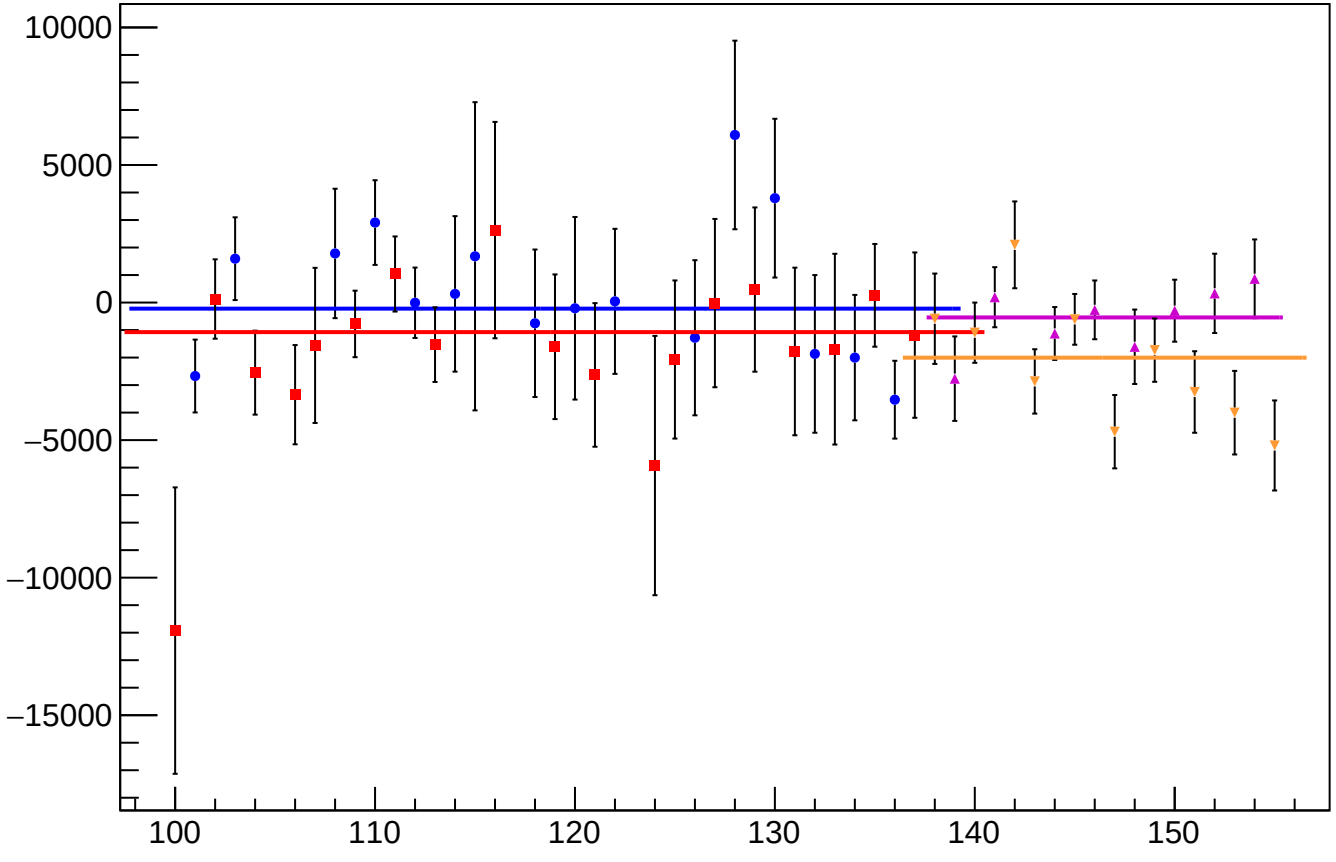
Left In: 155.840+/-0.042 χ^2/NDF:85199.5/7

+ sign 153.935+/-0.029 χ^2/NDF: 739817.0/25

All: 152.054+/-0.020 χ^2/NDF: 1392819.5/52

- sign 150.183+/-0.028 χ^2/NDF: 644355.0/26

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -2003.536+/-405.165 χ^2/NDF:21.4/9

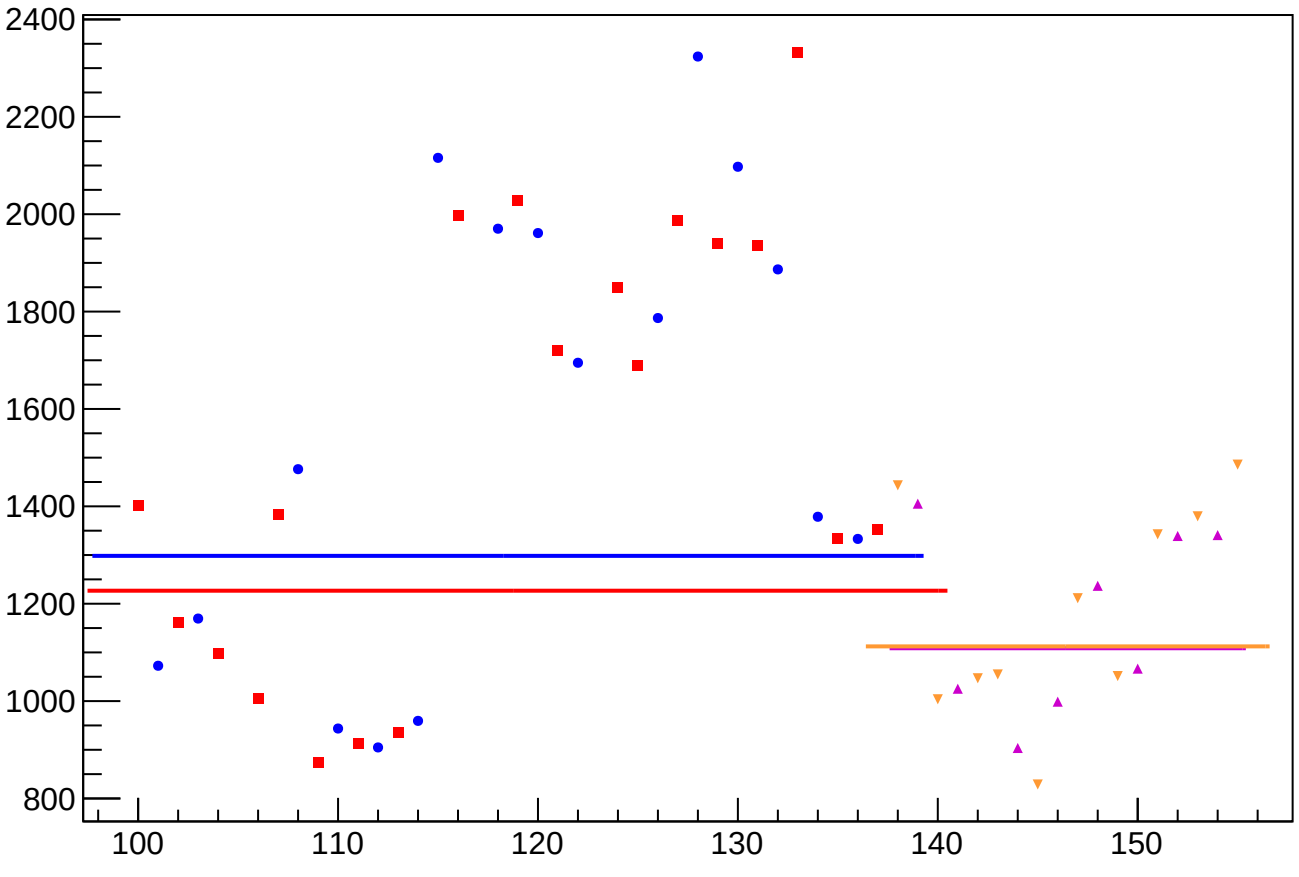
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -541.063+/-425.410 χ^2/NDF:5.0/7

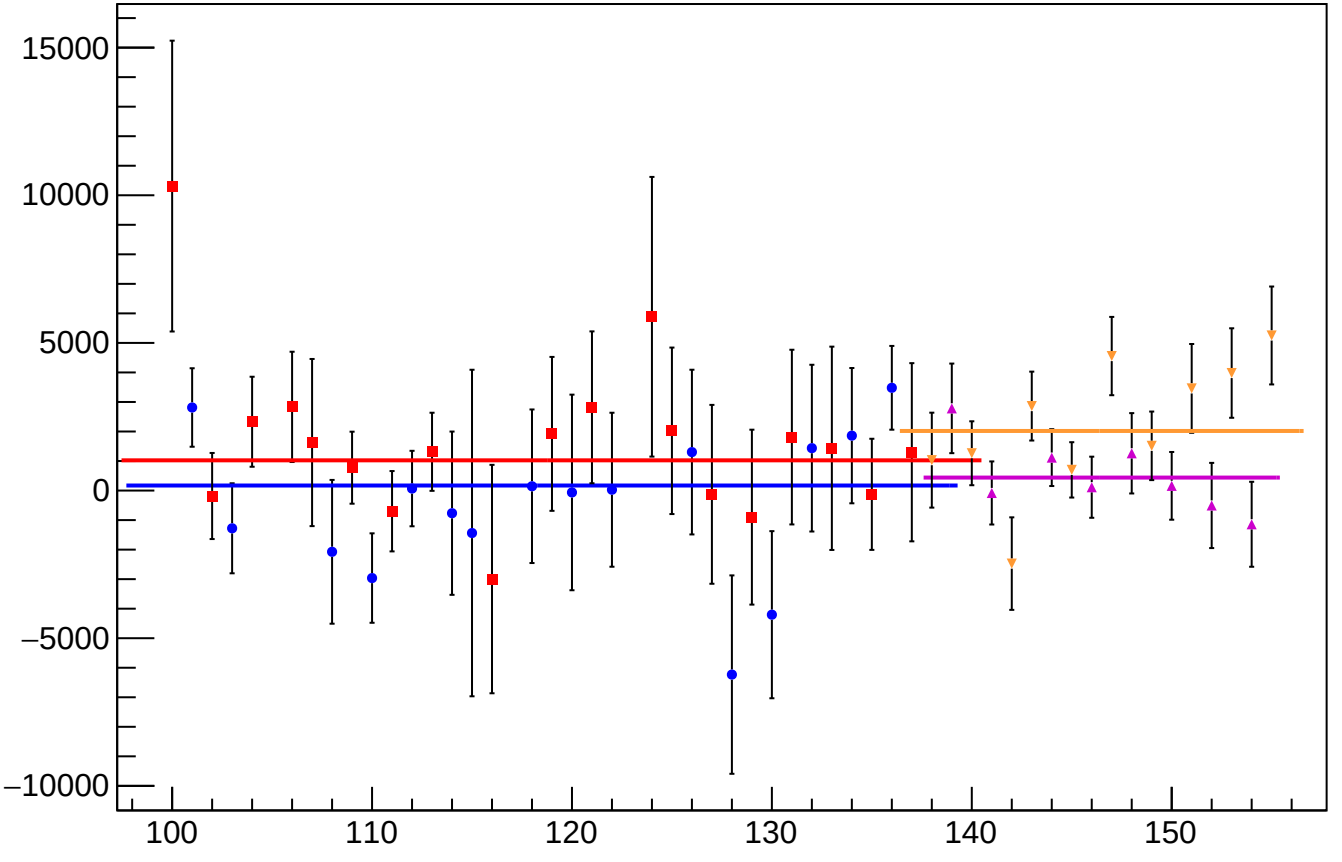
+ sign -1307.577+/-316.319 χ^2/NDF: 50.8/25

All: -1043.566+/-223.645 χ^2/NDF: 71.5/52

- sign -779.676+/-316.246 χ^2/NDF: 19.3/26


asym_sam_48_avg_eigen_dit_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1298.292+/-0.358 χ²/NDF: 1182127.2/15
Left Out: 1112.369+/-0.286 χ²/NDF:528832.7/9
Right Out: 1226.727+/-0.334 χ²/NDF: 1404524.7/18
Left In: 1108.540+/-0.301 χ²/NDF:322984.2/7
+ sign 1184.969+/-0.224 χ²/NDF: 1875409.2/25
All: 1173.189+/-0.158 χ²/NDF: 3677523.6/52
- sign 1161.413+/-0.224 χ²/NDF: 1796567.7/26

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 2018.352+/-405.738 χ^2/NDF:21.8/9

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

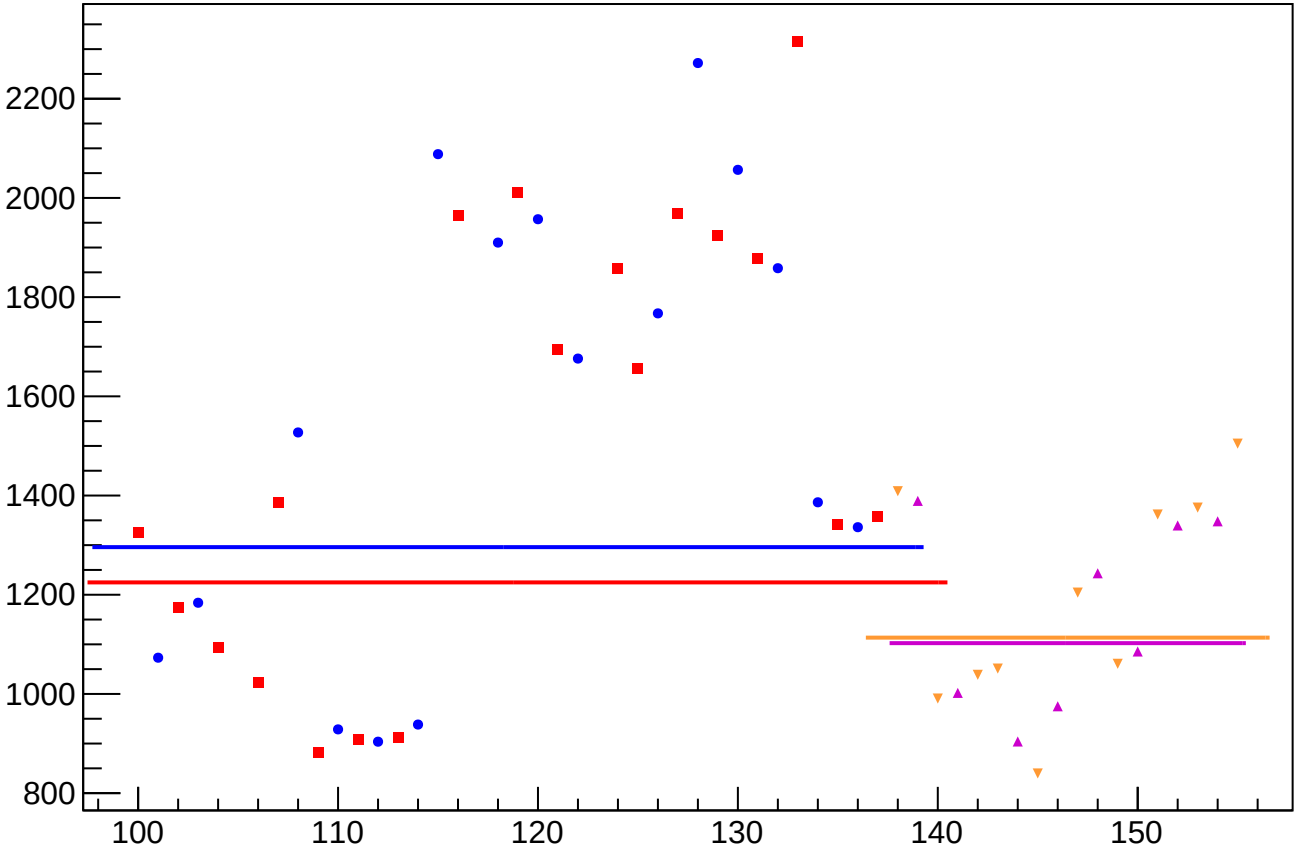
Left In: 439.712+/-423.009 χ^2/NDF:5.3/7

+ sign 1293.917+/-316.330 χ^2/NDF: 52.5/25

All: 995.637+/-223.213 χ^2/NDF: 72.0/52

- sign 699.829+/-315.016 χ^2/NDF: 17.7/26

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1113.532+/-0.287 χ^2/NDF:513498.0/9

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

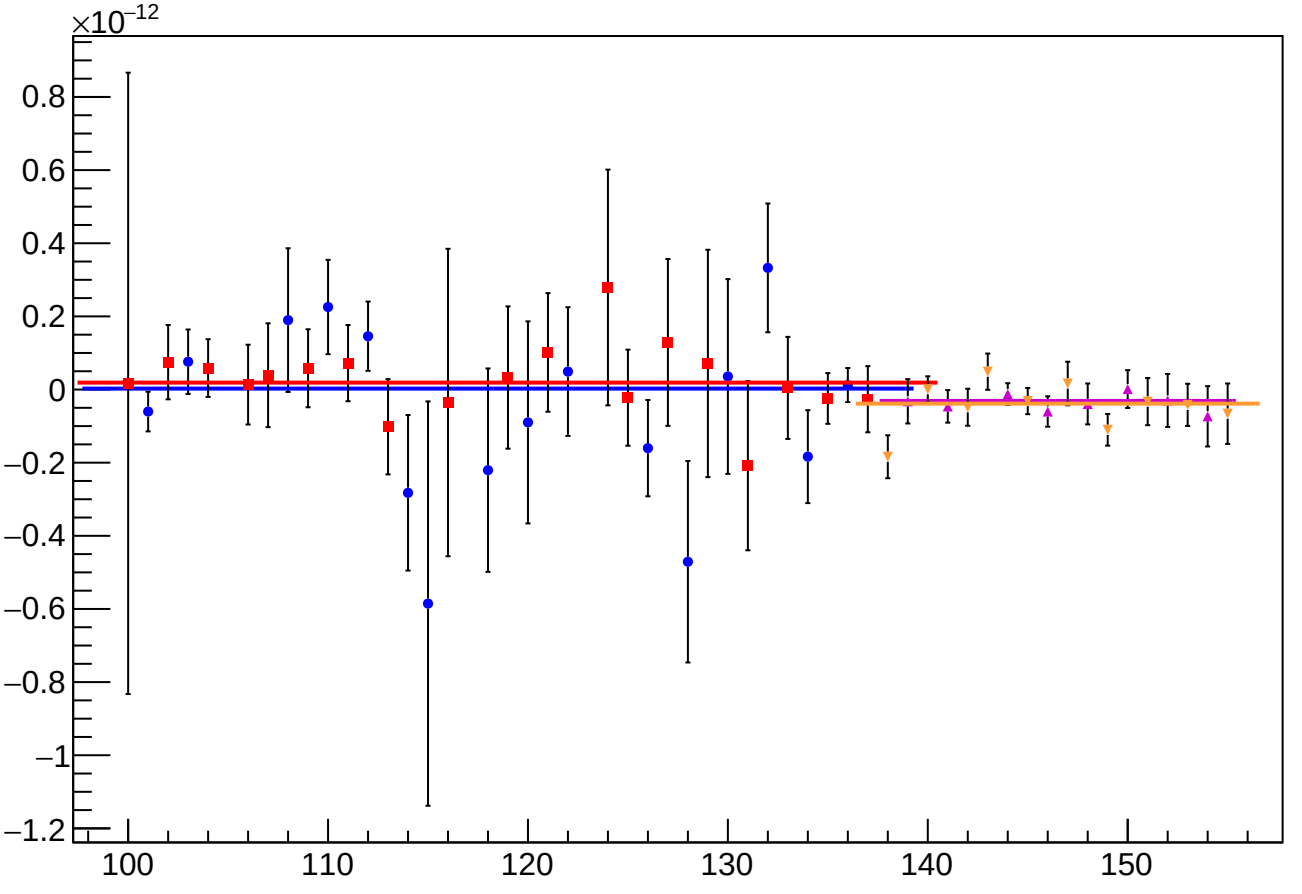
Left In: 1102.420+/-0.299 χ^2/NDF:338477.5/7

+ sign 1185.084+/-0.224 χ^2/NDF: 1826287.7/25

All: 1170.964+/-0.158 χ^2/NDF: 3618635.4/52

- sign 1156.962+/-0.223 χ^2/NDF: 1784411.8/26

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

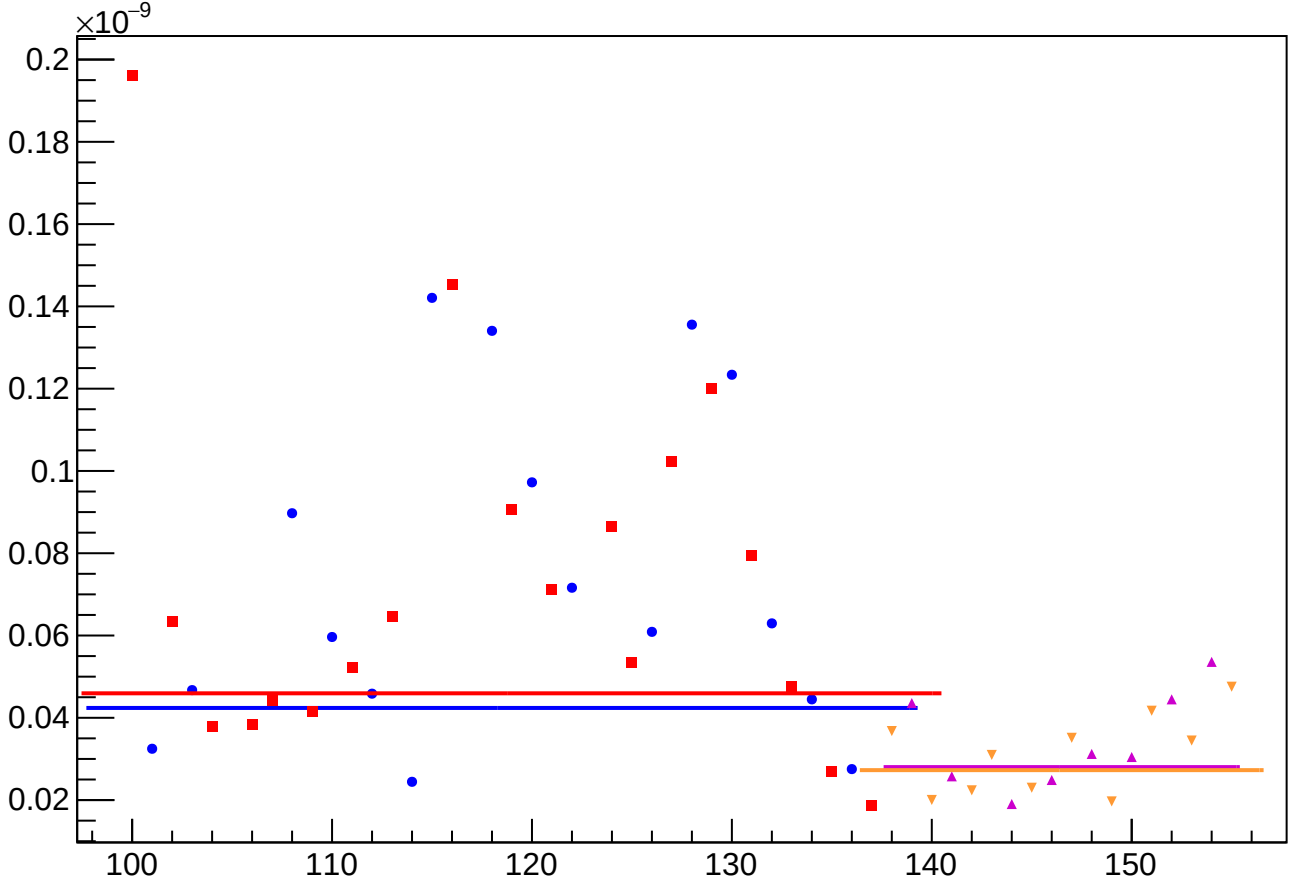
Left In: -0.000+/-0.000 χ^2/NDF:1.7/7

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/25

All: -0.000+/-0.000 χ^2/NDF: 47.1/52

- sign -0.000+/-0.000 χ^2/NDF: 8.7/26

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:543124.1/9

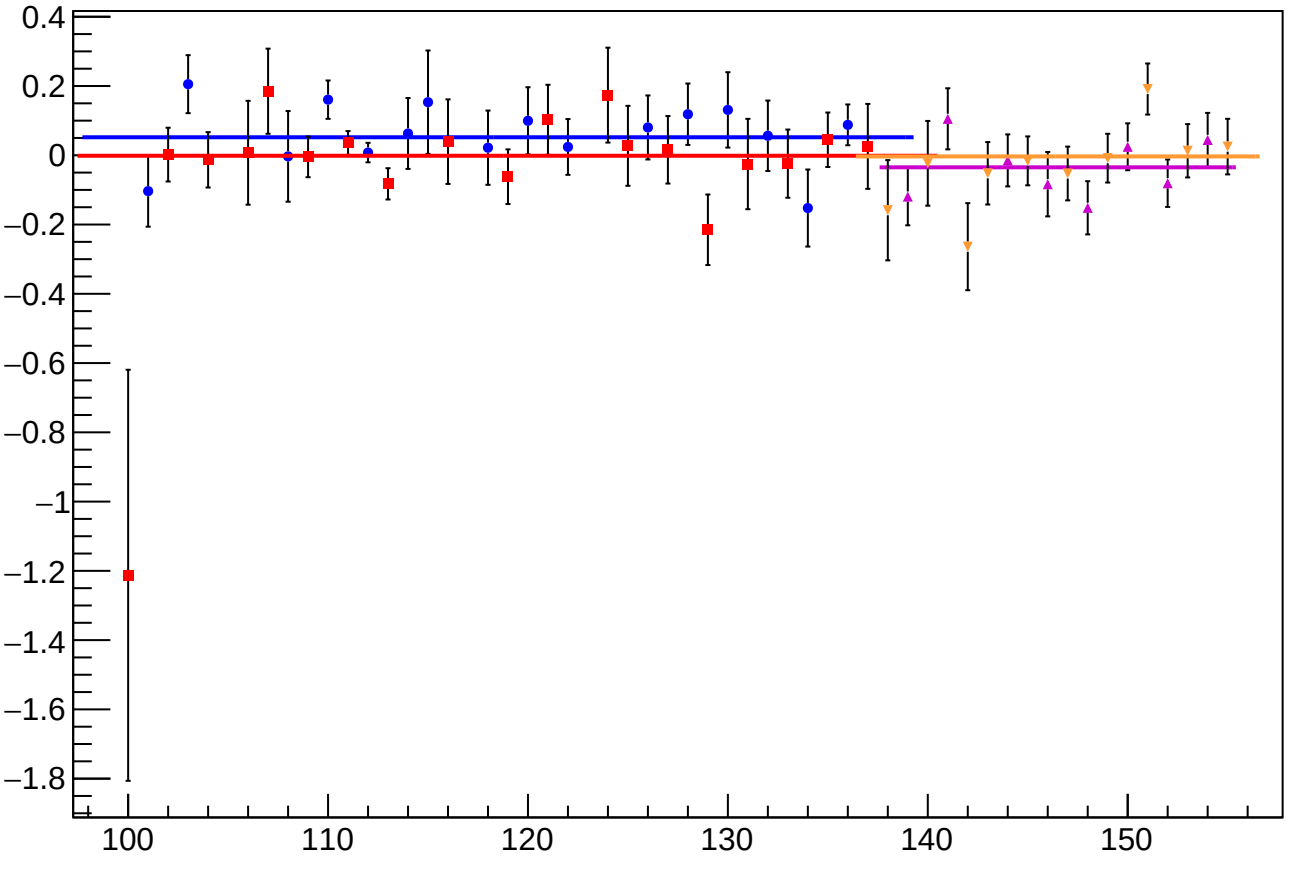
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:636204.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 2360680.4/25

All: 0.000+/-0.000 χ^2/NDF: 4702374.6/52

- sign 0.000+/-0.000 χ^2/NDF: 2329866.9/26



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.027 χ^2/NDF:13.3/9

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

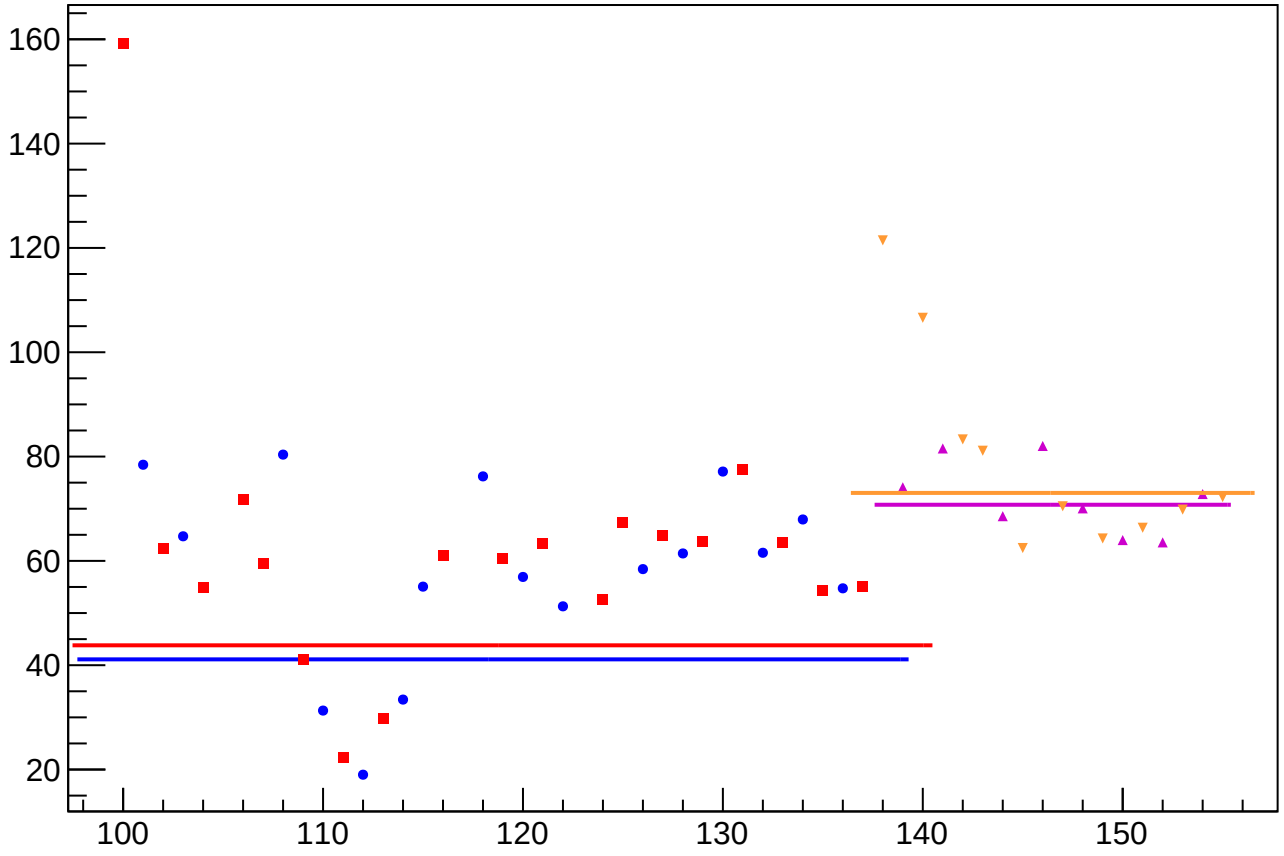
Left In: -0.035+/-0.027 χ^2/NDF:8.5/7

+ sign 0.035+/-0.015 χ^2/NDF: 34.3/25

All: 0.012+/-0.011 χ^2/NDF: 67.9/52

- sign -0.011+/-0.015 χ^2/NDF: 28.7/26

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: 73.031+/-0.019 χ^2/NDF:501788.9/9

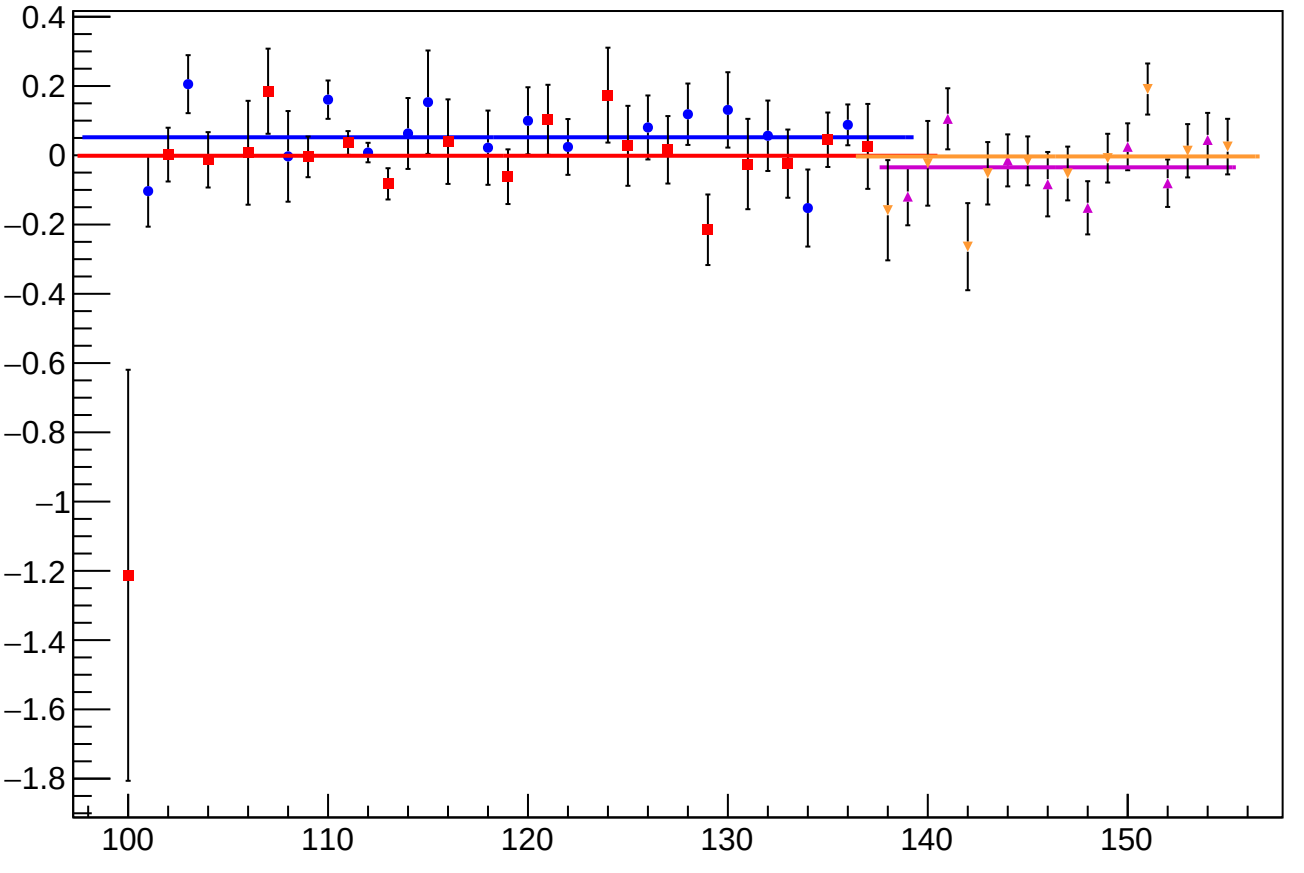
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.762+/-0.019 χ^2/NDF:108009.4/7

+ sign 50.792+/-0.010 χ^2/NDF: 5381546.8/25

All: 51.334+/-0.007 χ^2/NDF: 8897591.3/52

- sign 51.889+/-0.011 χ^2/NDF: 3510646.8/26



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.027 χ^2/NDF:13.3/9

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

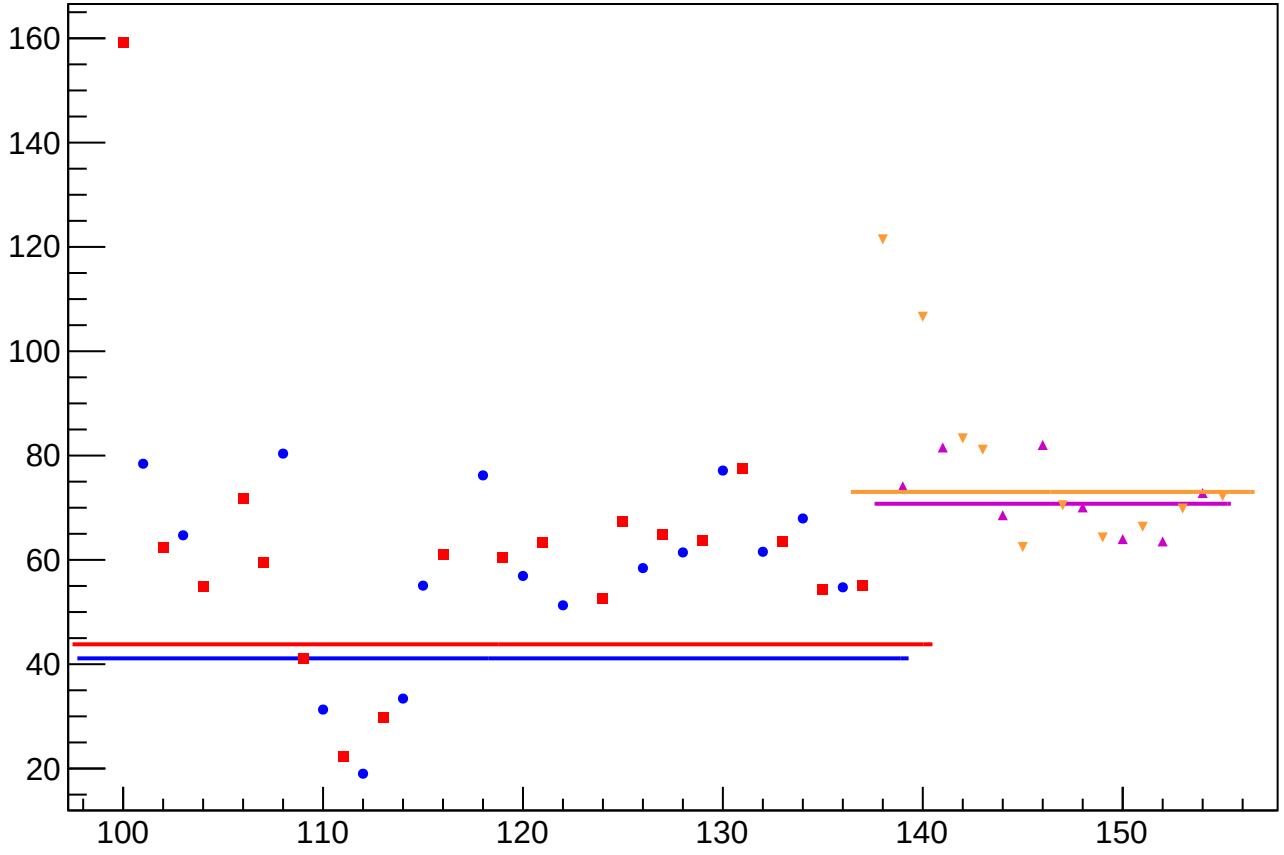
Left In: -0.035+/-0.027 χ^2/NDF:8.5/7

+ sign 0.035+/-0.015 χ^2/NDF: 34.3/25

All: 0.012+/-0.011 χ^2/NDF: 67.9/52

- sign -0.011+/-0.015 χ^2/NDF: 28.7/26

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 73.031+/-0.019 χ^2/NDF:501788.9/9

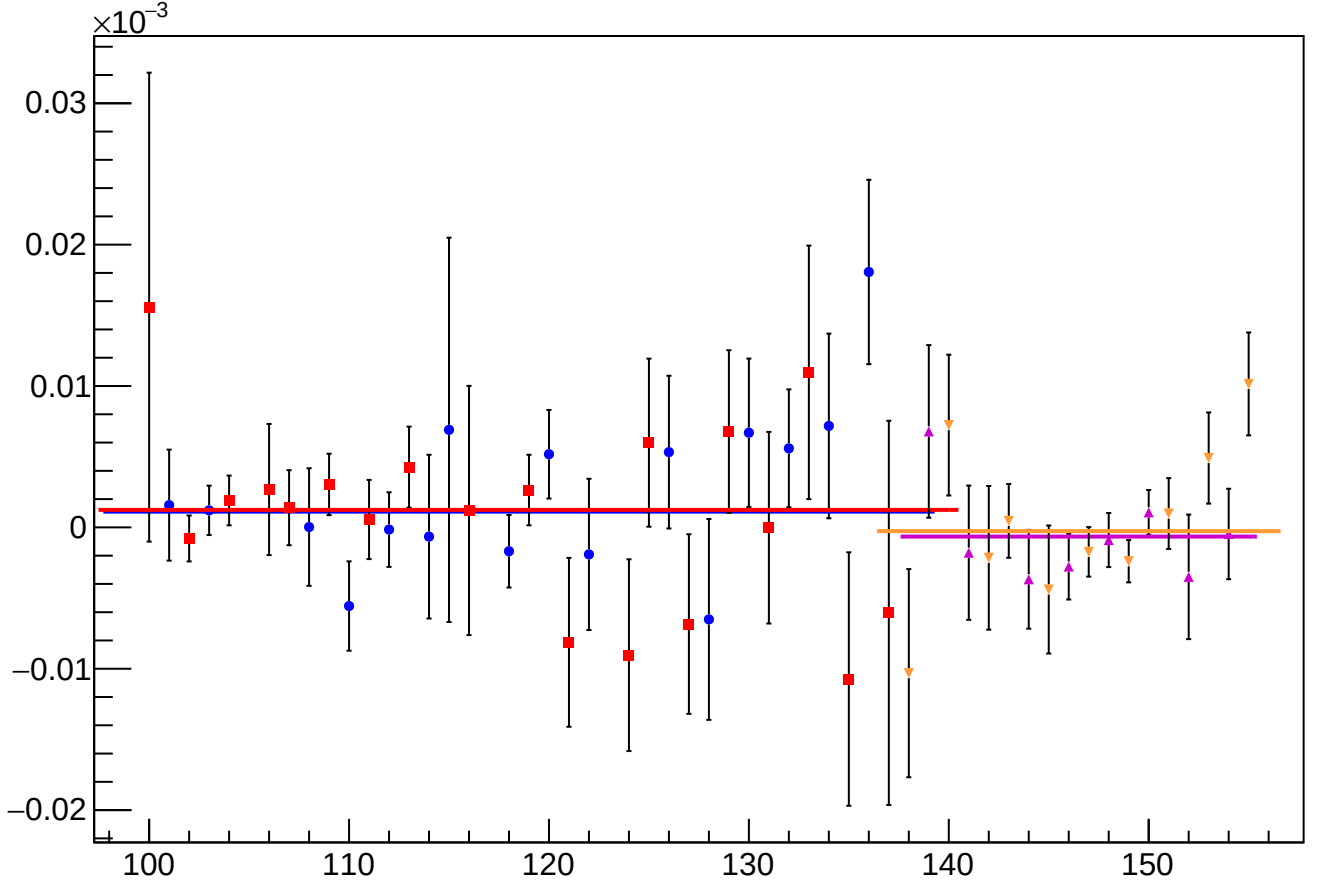
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.762+/-0.019 χ^2/NDF:108009.4/7

+ sign 50.792+/-0.010 χ^2/NDF: 5381546.8/25

All: 51.334+/-0.007 χ^2/NDF: 8897591.3/52

- sign 51.889+/-0.011 χ^2/NDF: 3510646.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/9

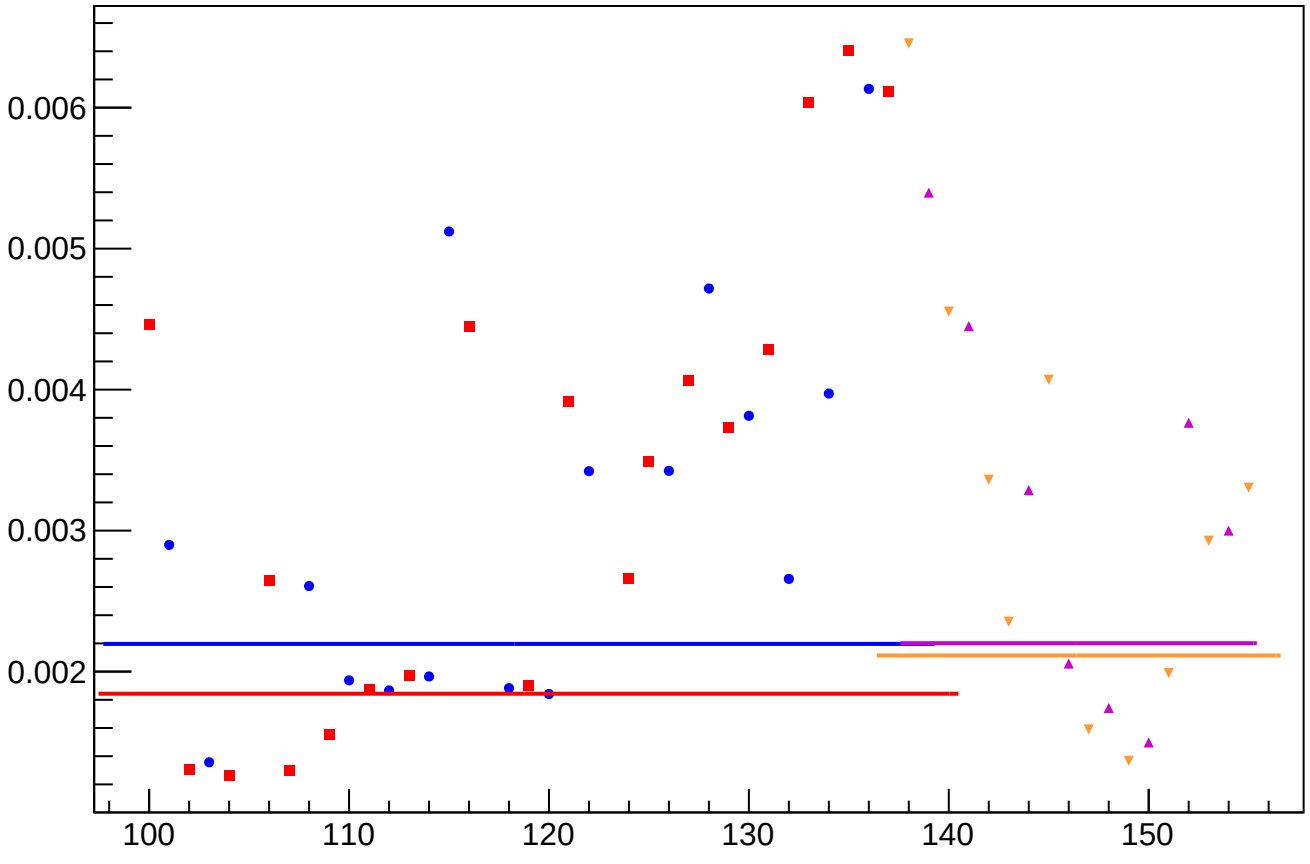
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 40.0/25

All: 0.000+/-0.000 χ^2/NDF: 63.2/52

- sign 0.000+/-0.000 χ^2/NDF: 23.1/26



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2709820.3/9

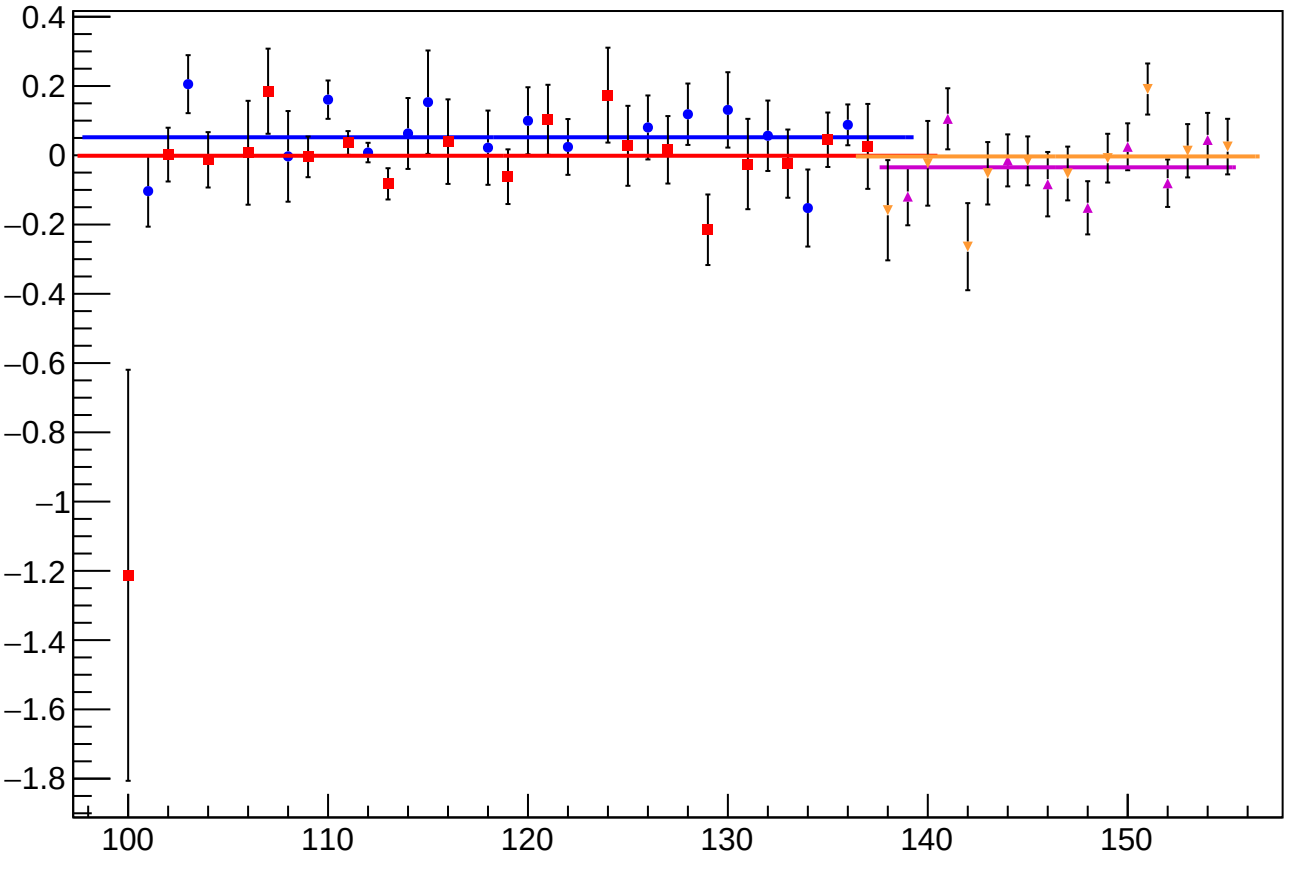
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2085435.6/7

+ sign 0.002+/-0.000 χ^2/NDF: 5011452.2/25

All: 0.002+/-0.000 χ^2/NDF: 10486250.3/52

- sign 0.002+/-0.000 χ^2/NDF: 5400459.1/26



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.027 χ^2/NDF:13.3/9

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

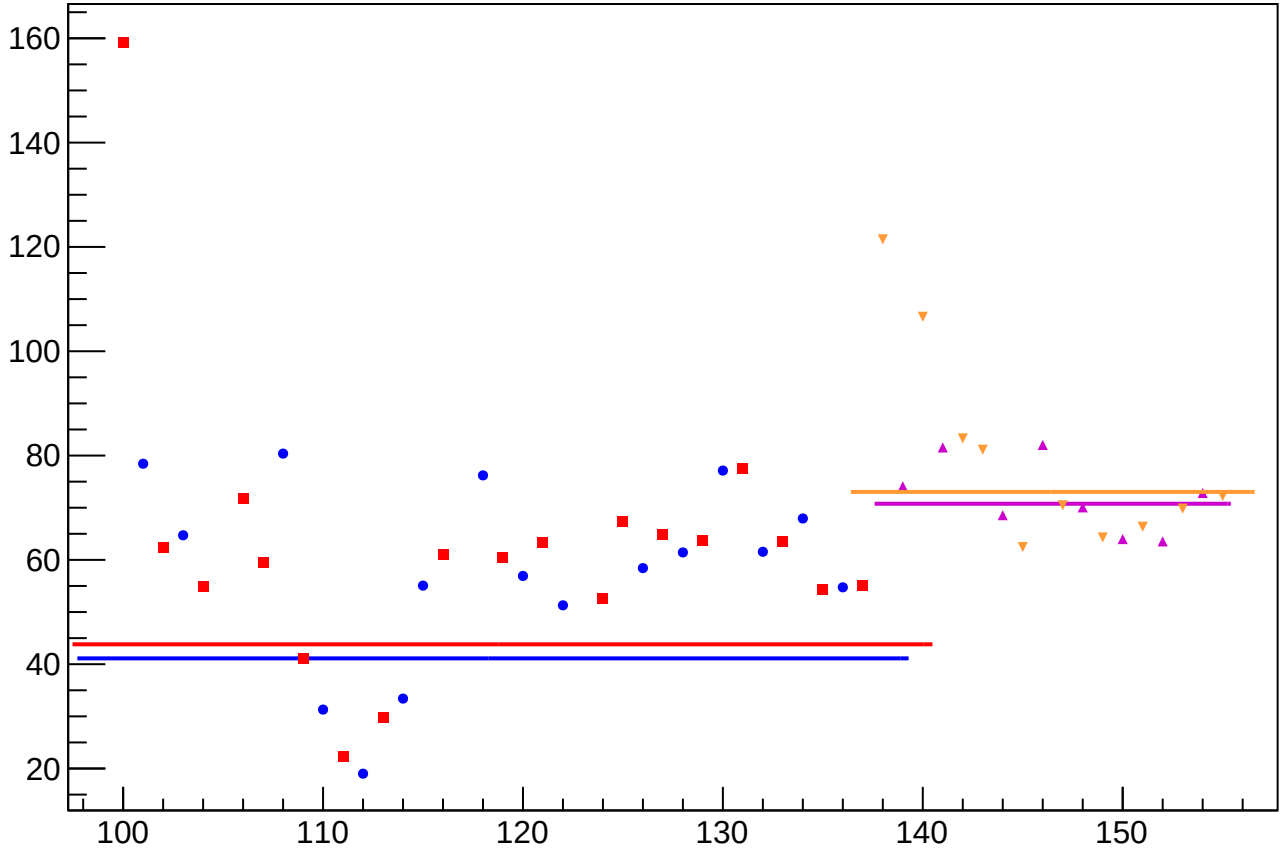
Left In: -0.035+/-0.027 χ^2/NDF:8.5/7

+ sign 0.035+/-0.015 χ^2/NDF: 34.3/25

All: 0.012+/-0.011 χ^2/NDF: 67.9/52

- sign -0.011+/-0.015 χ^2/NDF: 28.7/26

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 73.032+/-0.019 χ^2/NDF:501764.9/9

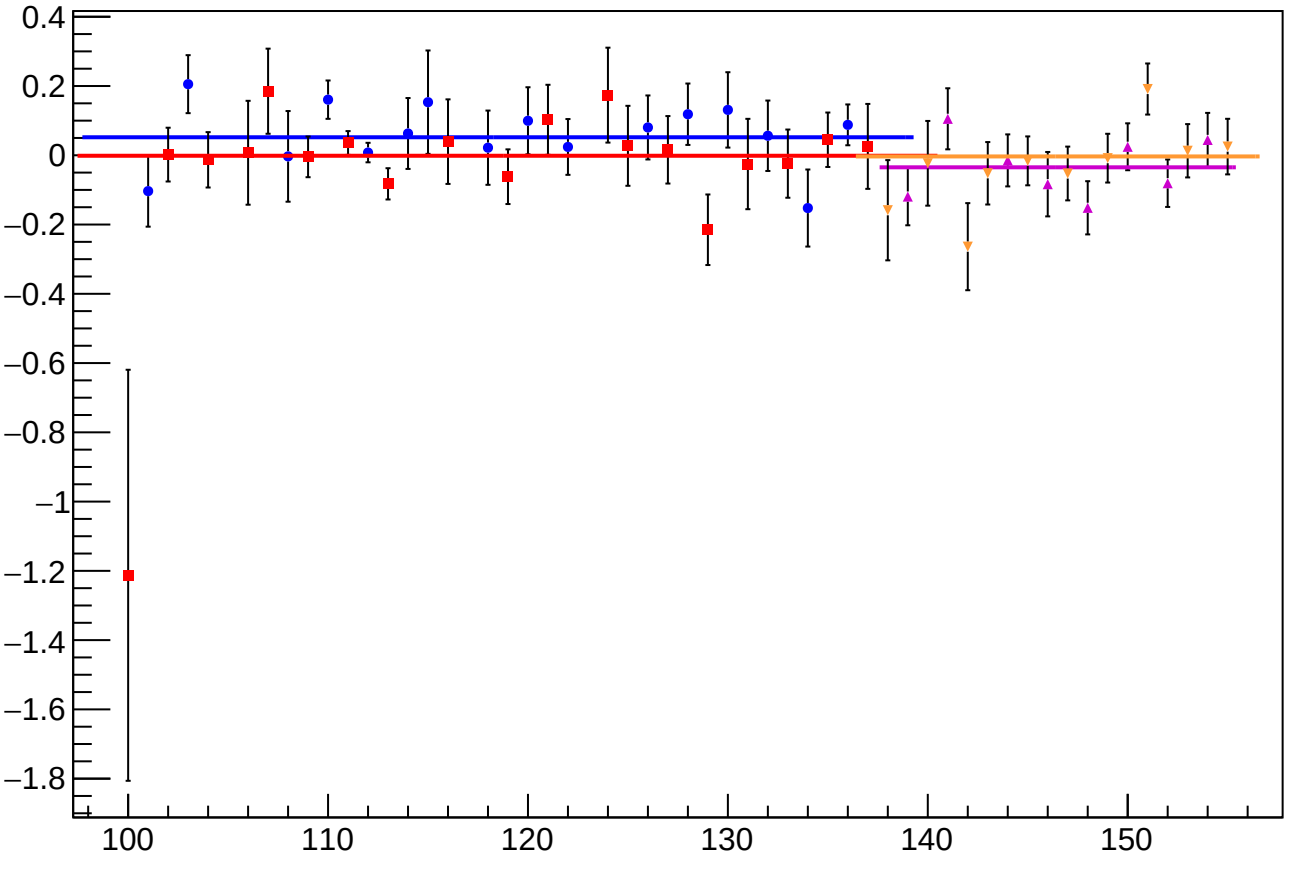
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.763+/-0.019 χ^2/NDF:108007.7/7

+ sign 50.792+/-0.010 χ^2/NDF: 5381893.7/25

All: 51.334+/-0.007 χ^2/NDF: 8898270.7/52

- sign 51.888+/-0.011 χ^2/NDF: 3510978.6/26



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.027 χ^2/NDF:13.3/9

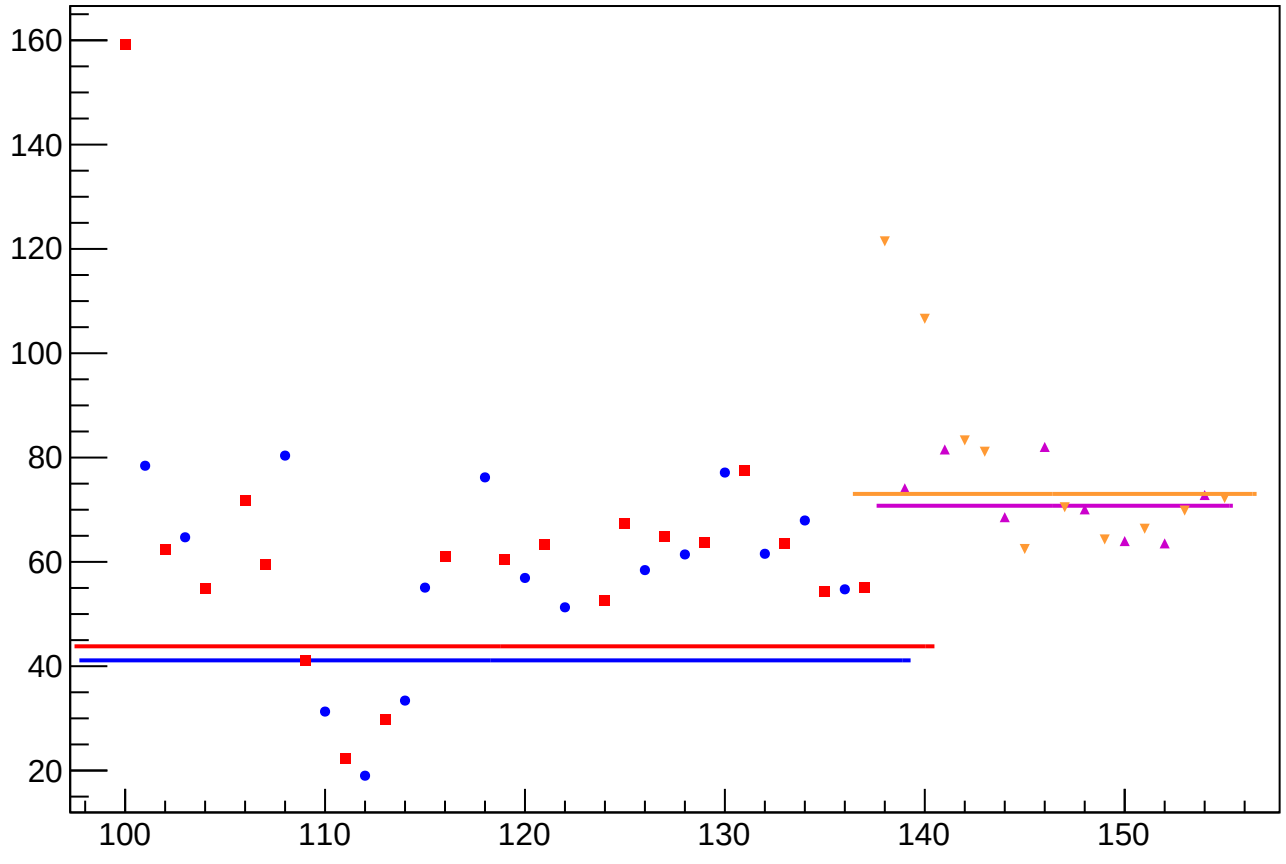
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.035+/-0.027 χ^2/NDF:8.5/7

+ sign 0.035+/-0.015 χ^2/NDF: 34.3/25

All: 0.012+/-0.011 χ^2/NDF: 67.9/52

- sign -0.011+/-0.015 χ^2/NDF: 28.7/26



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 73.032+/-0.019 χ^2/NDF:501764.9/9

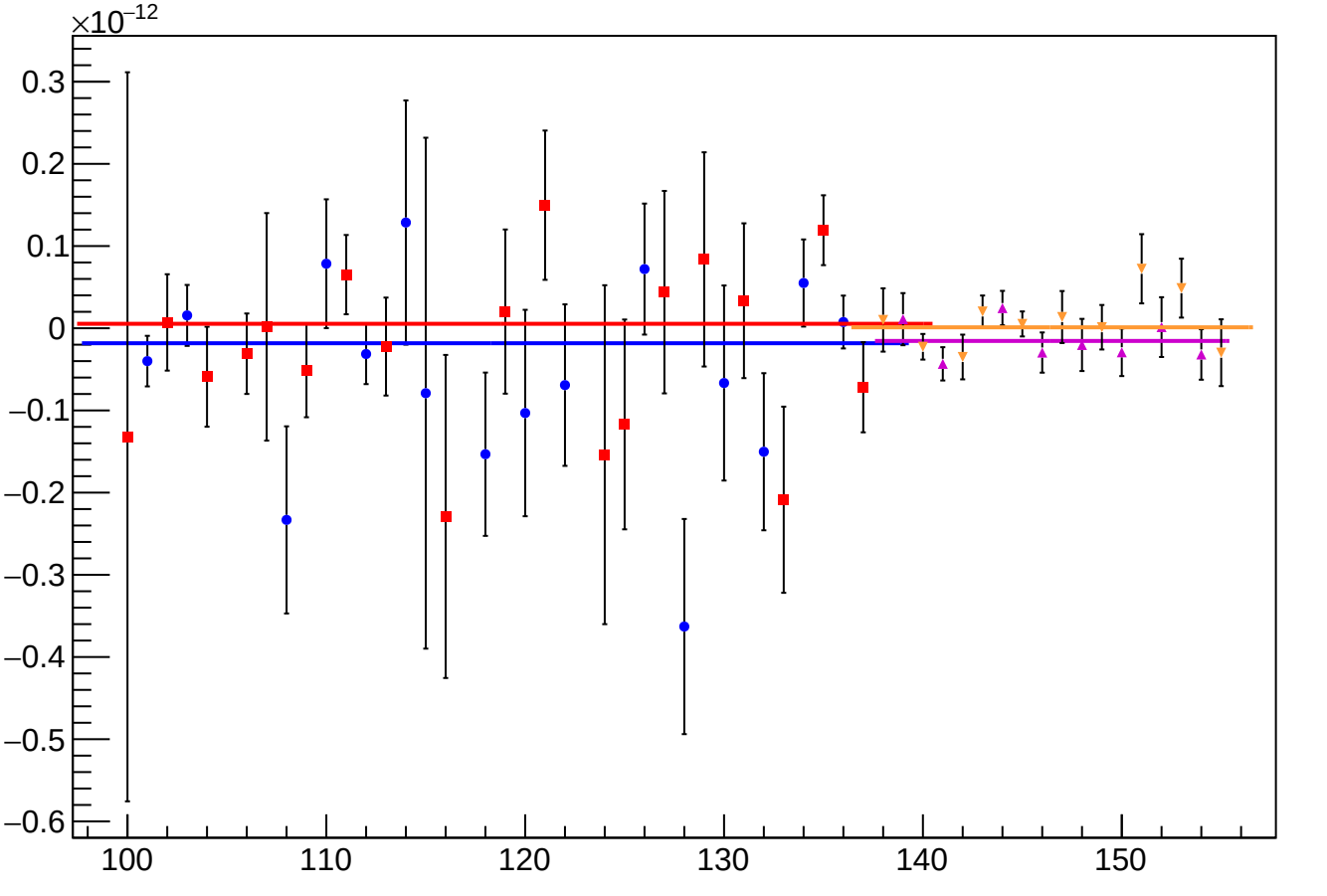
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.763+/-0.019 χ^2/NDF:108007.7/7

+ sign 50.792+/-0.010 χ^2/NDF: 5381893.7/25

All: 51.334+/-0.007 χ^2/NDF: 8898270.7/52

- sign 51.888+/-0.011 χ^2/NDF: 3510978.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/9

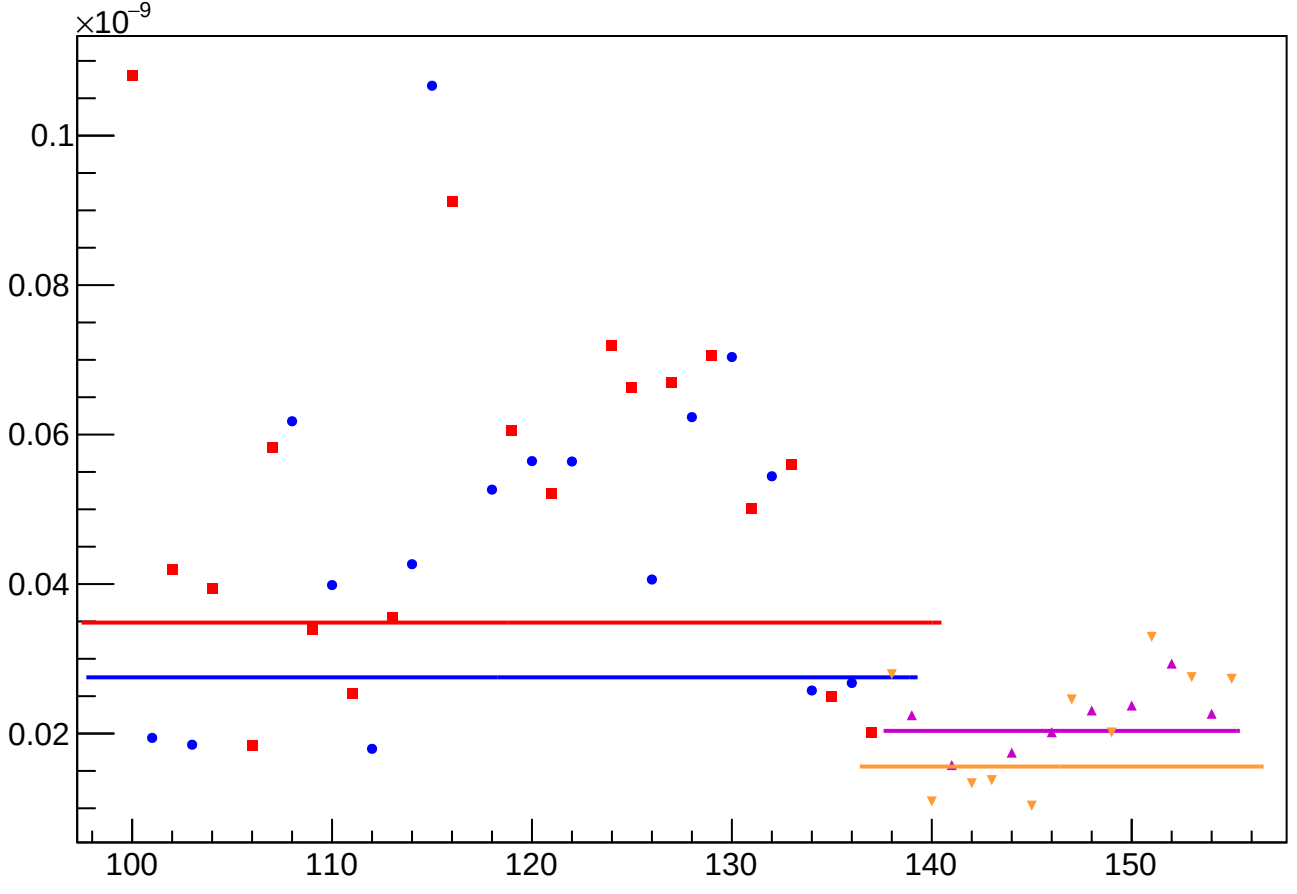
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/25

All: -0.000+/-0.000 χ^2/NDF: 67.2/52

- sign -0.000+/-0.000 χ^2/NDF: 31.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1600587.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

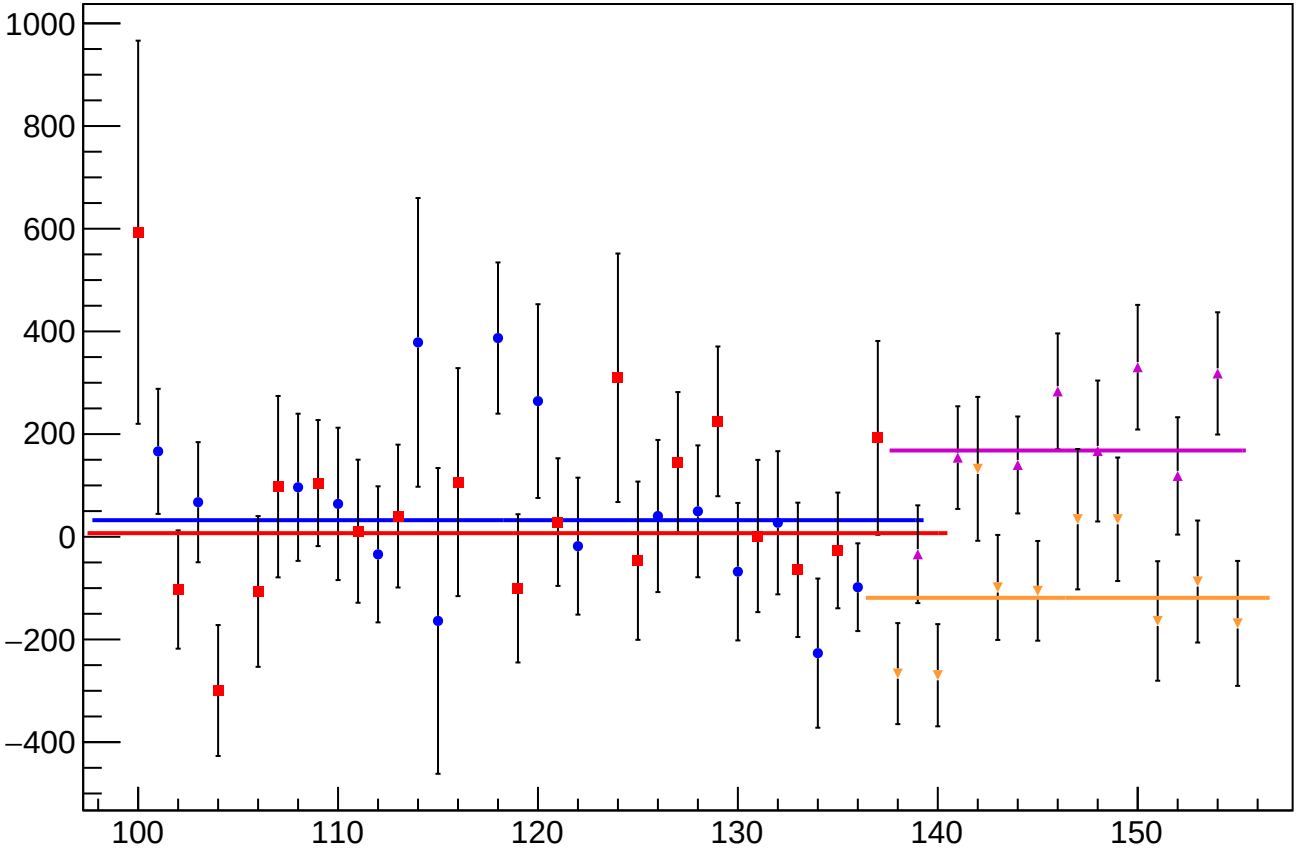
Left In: 0.000+/-0.000 χ^2/NDF:325528.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 4475590.7/25

All: 0.000+/-0.000 χ^2/NDF: 8197297.9/52

- sign 0.000+/-0.000 χ^2/NDF: 3147646.8/26

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -118.862+/-35.540 χ^2/NDF:11.1/9

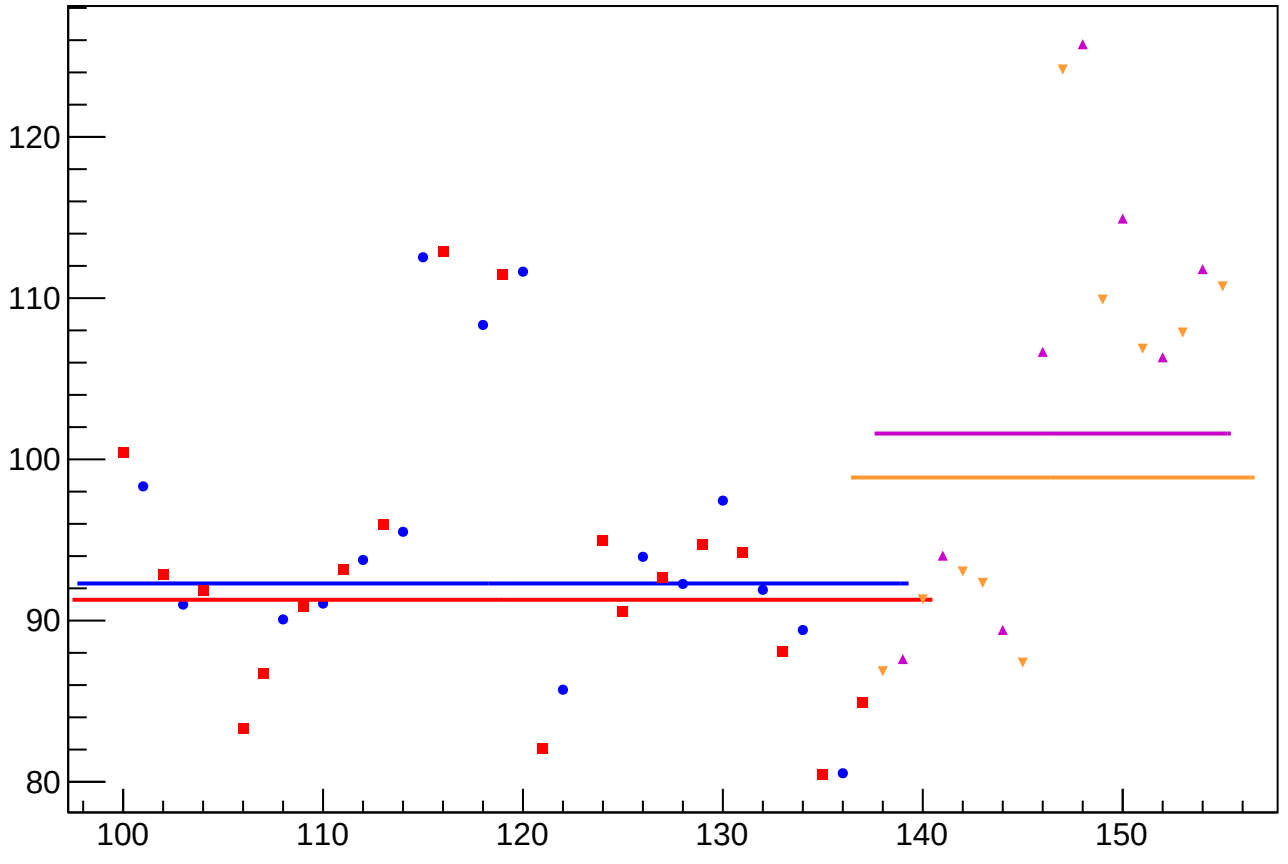
Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: 168.051+/-38.656 χ^2/NDF:9.2/7

+ sign -40.882+/-24.728 χ^2/NDF: 37.7/25

All: 16.231+/-17.678 χ^2/NDF: 85.5/52

- sign 75.927+/-25.282 χ^2/NDF: 36.9/26



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 98.875+/-0.025 χ^2/NDF:206192.5/9

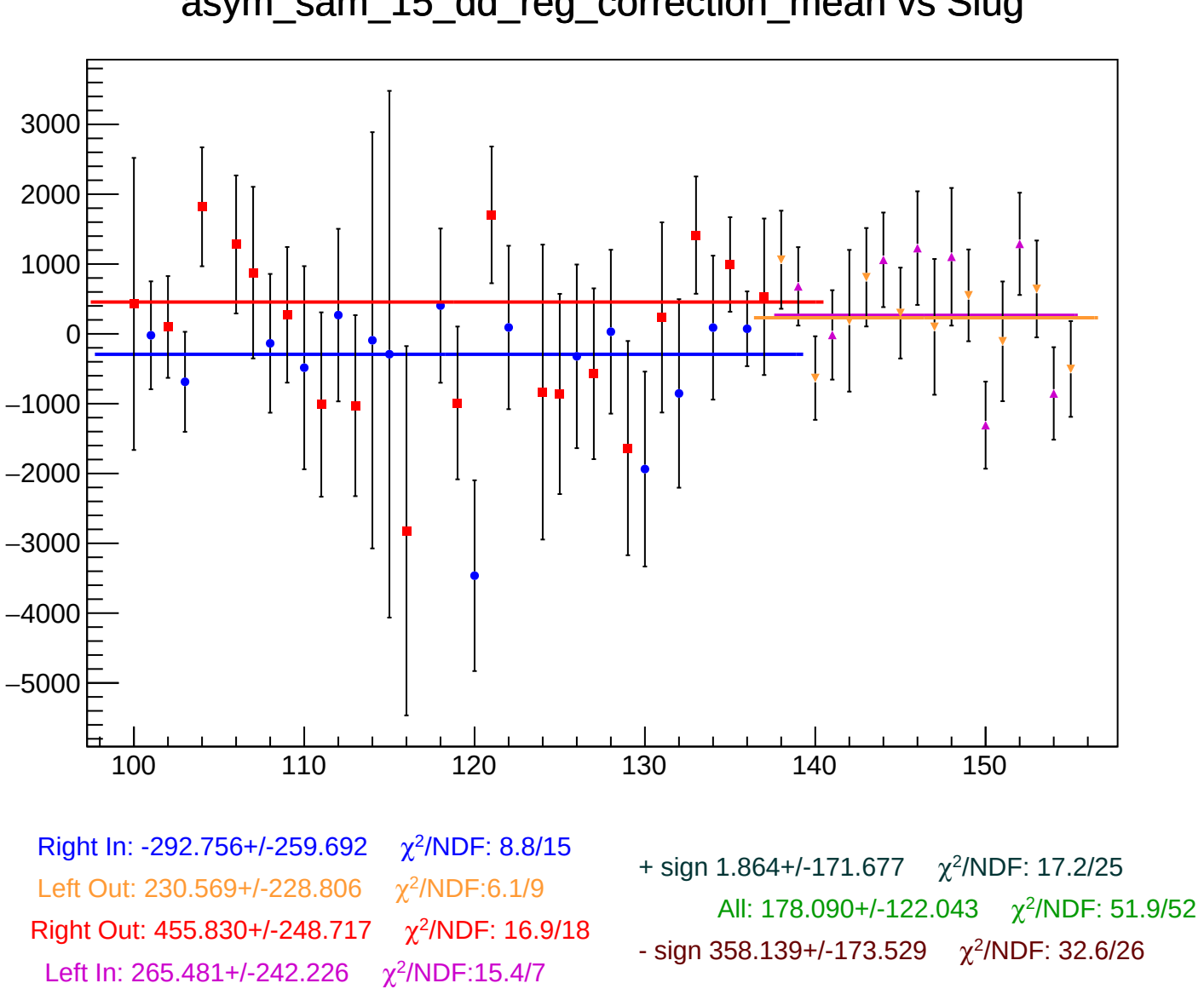
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 101.603+/-0.027 χ^2/NDF:196097.1/7

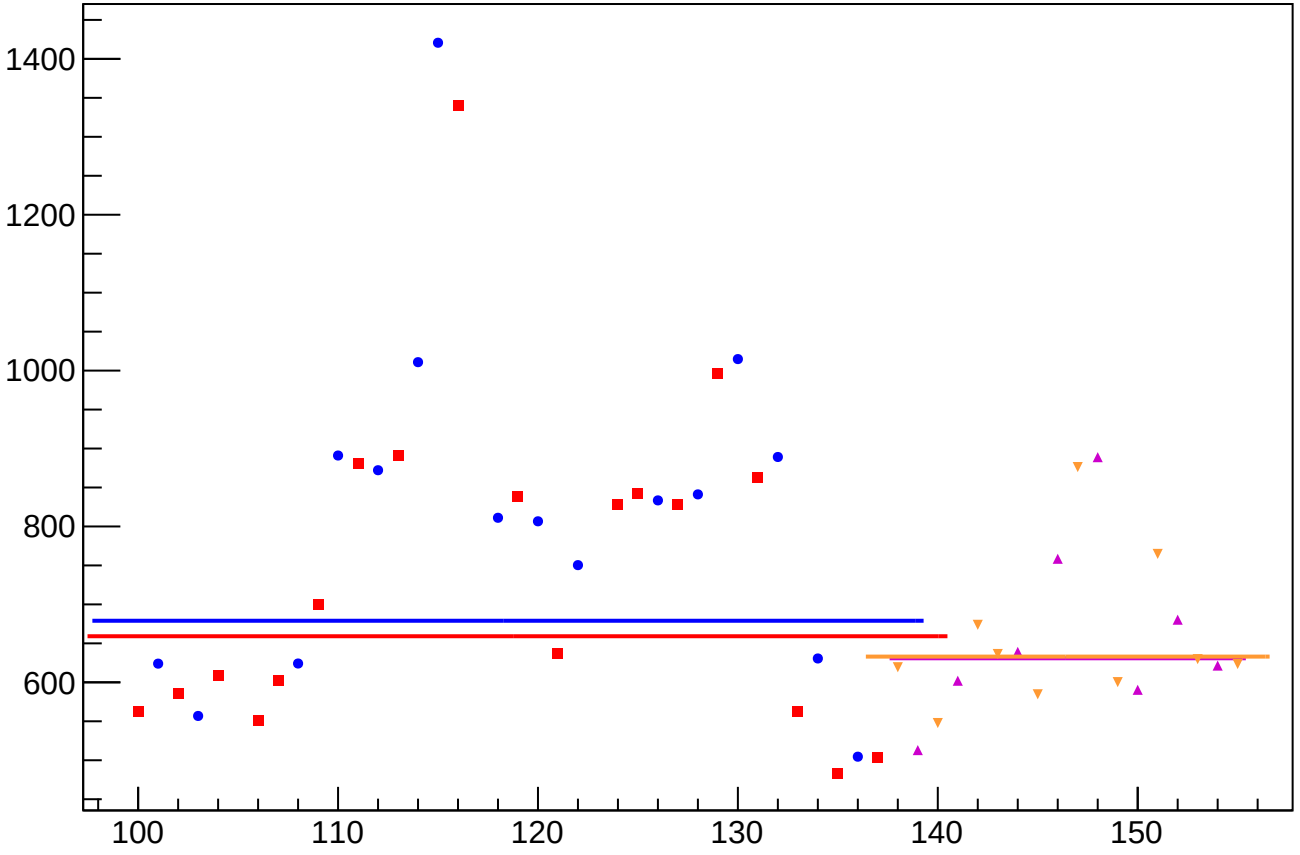
+ sign 95.484+/-0.017 χ^2/NDF: 348543.6/25

All: 95.591+/-0.013 χ^2/NDF: 731214.8/52

- sign 95.703+/-0.018 χ^2/NDF: 382594.5/26


asym_sam_15_dd_reg_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
Right In: -292.756+/-259.692 χ²/NDF: 8.8/15
Left Out: 230.569+/-228.806 χ²/NDF:6.1/9
Right Out: 455.830+/-248.717 χ²/NDF: 16.9/18
Left In: 265.481+/-242.226 χ²/NDF:15.4/7
+ sign 1.864+/-171.677 χ²/NDF: 17.2/25
All: 178.090+/-122.043 χ²/NDF: 51.9/52
- sign 358.139+/-173.529 χ²/NDF: 32.6/26

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 633.012+/-0.162 χ^2/NDF:233446.5/9

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

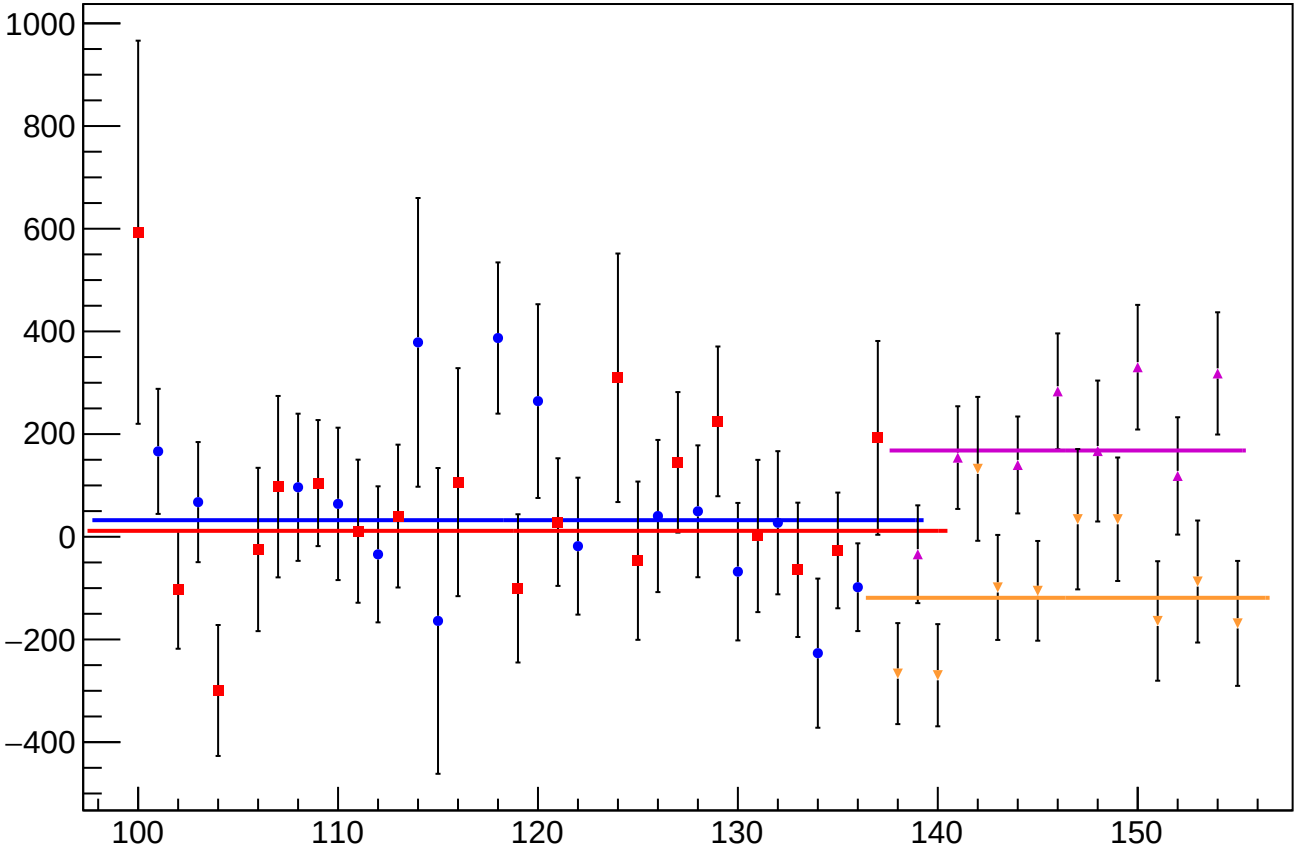
Left In: 630.841+/-0.171 χ^2/NDF:296721.8/7

+ sign 653.111+/-0.121 χ^2/NDF: 1036743.4/25

All: 648.908+/-0.086 χ^2/NDF: 2145049.4/52

- sign 644.613+/-0.123 χ^2/NDF: 1105881.8/26

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -118.863+/-35.540 χ^2/NDF:11.1/9

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

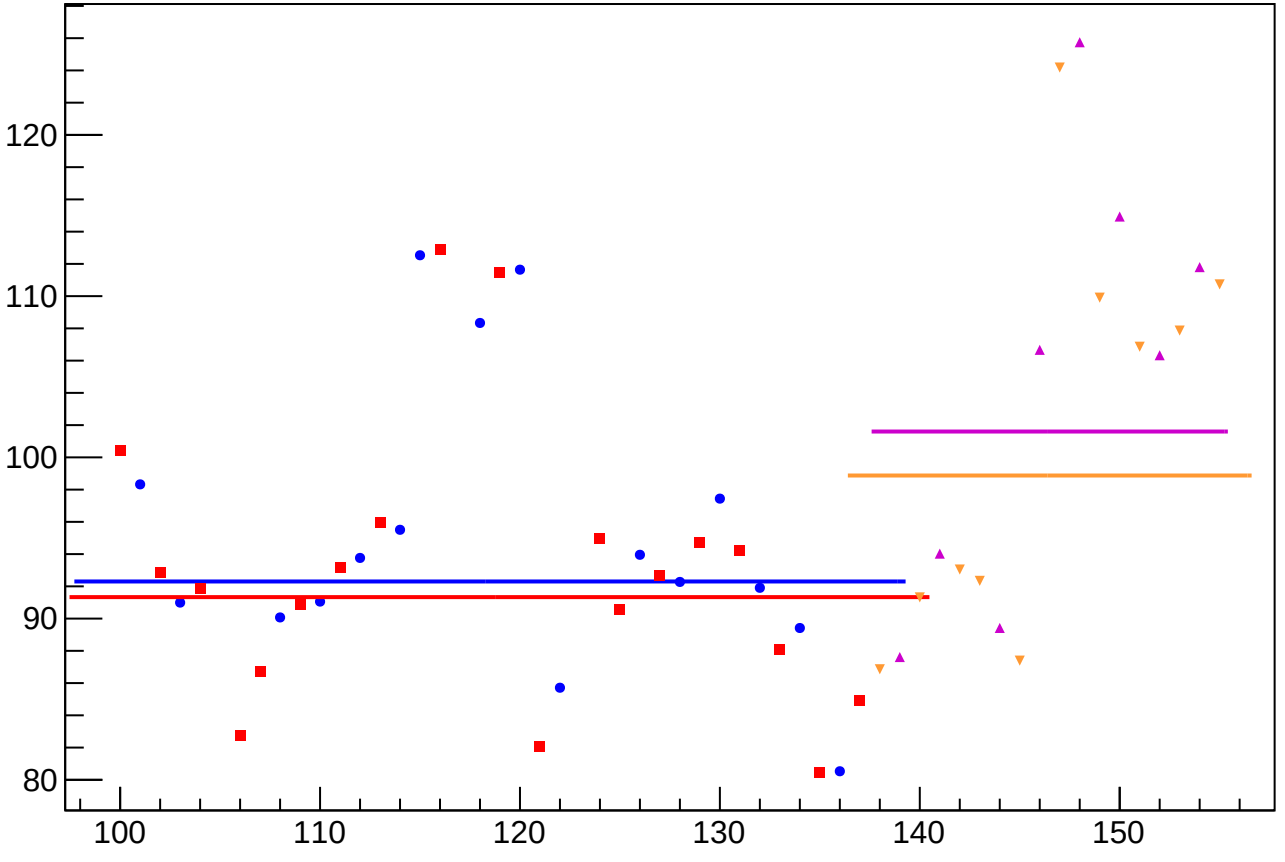
Left In: 168.051+/-38.656 χ^2/NDF:9.2/7

+ sign -40.874+/-24.728 χ^2/NDF: 37.7/25

All: 17.508+/-17.697 χ^2/NDF: 84.9/52

- sign 78.800+/-25.337 χ^2/NDF: 35.8/26

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 98.875+/-0.025 χ^2/NDF:206192.5/9

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

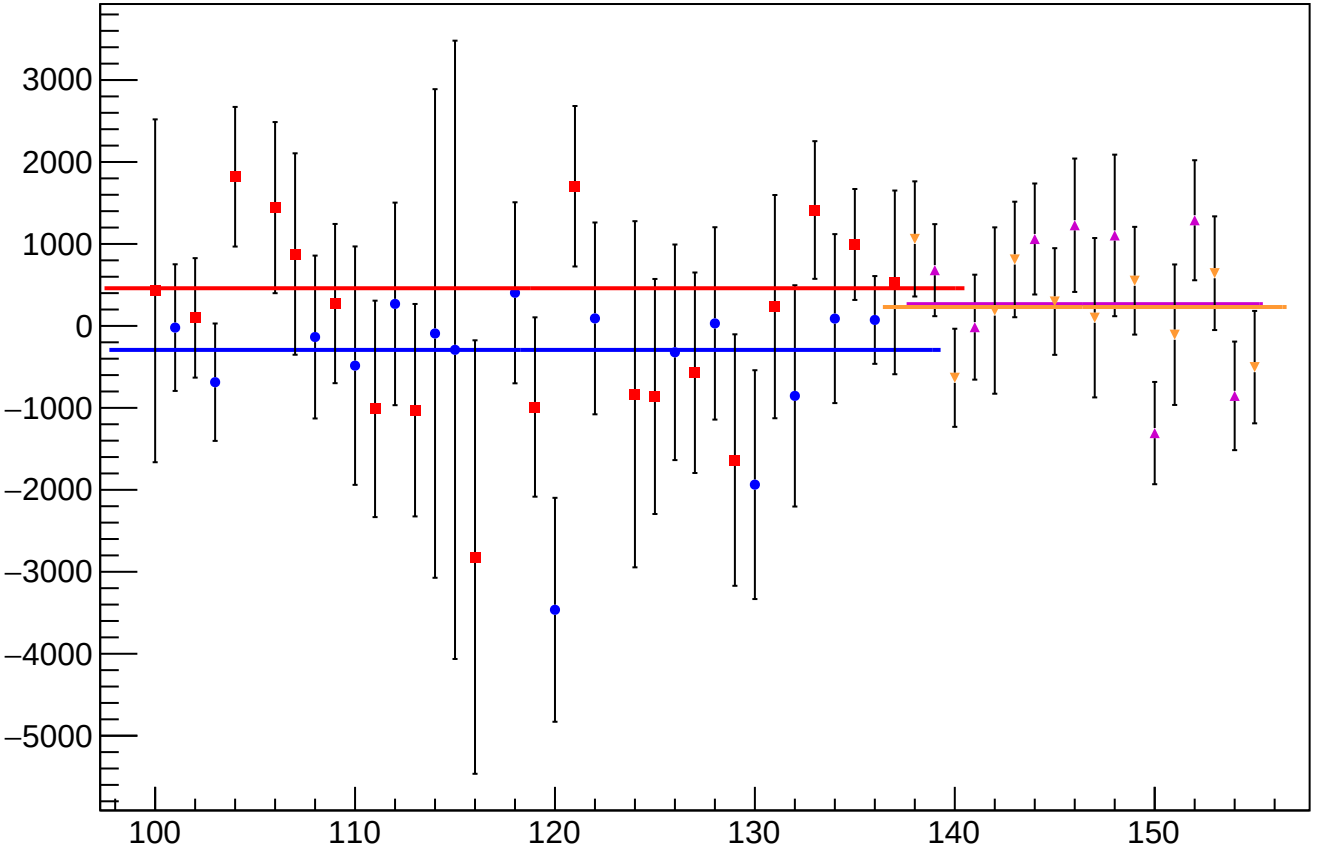
Left In: 101.603+/-0.027 χ^2/NDF:196097.1/7

+ sign 95.484+/-0.017 χ^2/NDF: 348543.6/25

All: 95.611+/-0.013 χ^2/NDF: 730198.0/52

- sign 95.744+/-0.018 χ^2/NDF: 381546.4/26

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 230.566+/-228.806 χ^2/NDF:6.1/9

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

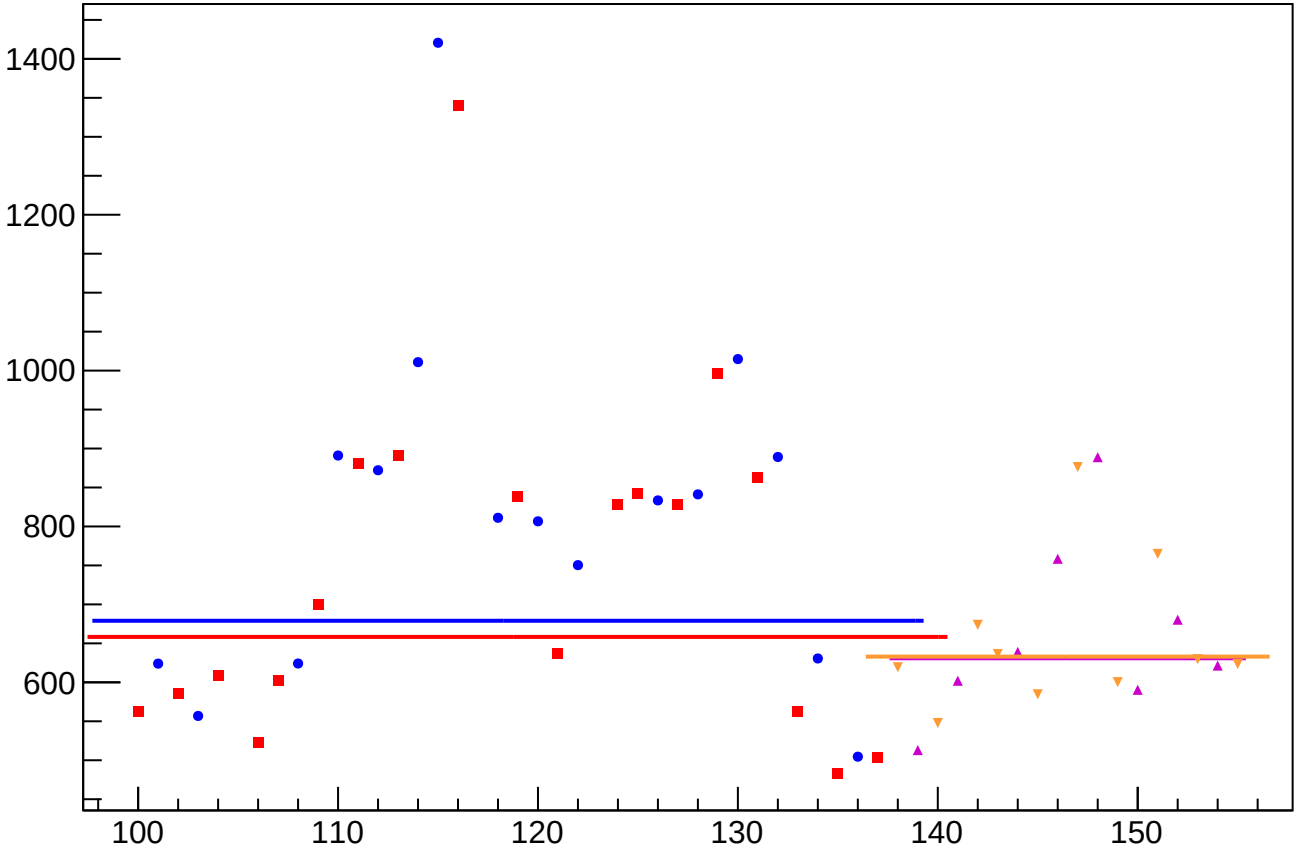
Left In: 265.477+/-242.226 χ^2/NDF:15.4/7

\+ sign 1.863+/-171.677 χ^2/NDF: 17.2/25

All: 178.548+/-122.141 χ^2/NDF: 52.1/52

\- sign 359.649+/-173.809 χ^2/NDF: 32.8/26

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.012+/-0.162 χ^2/NDF:233446.7/9

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

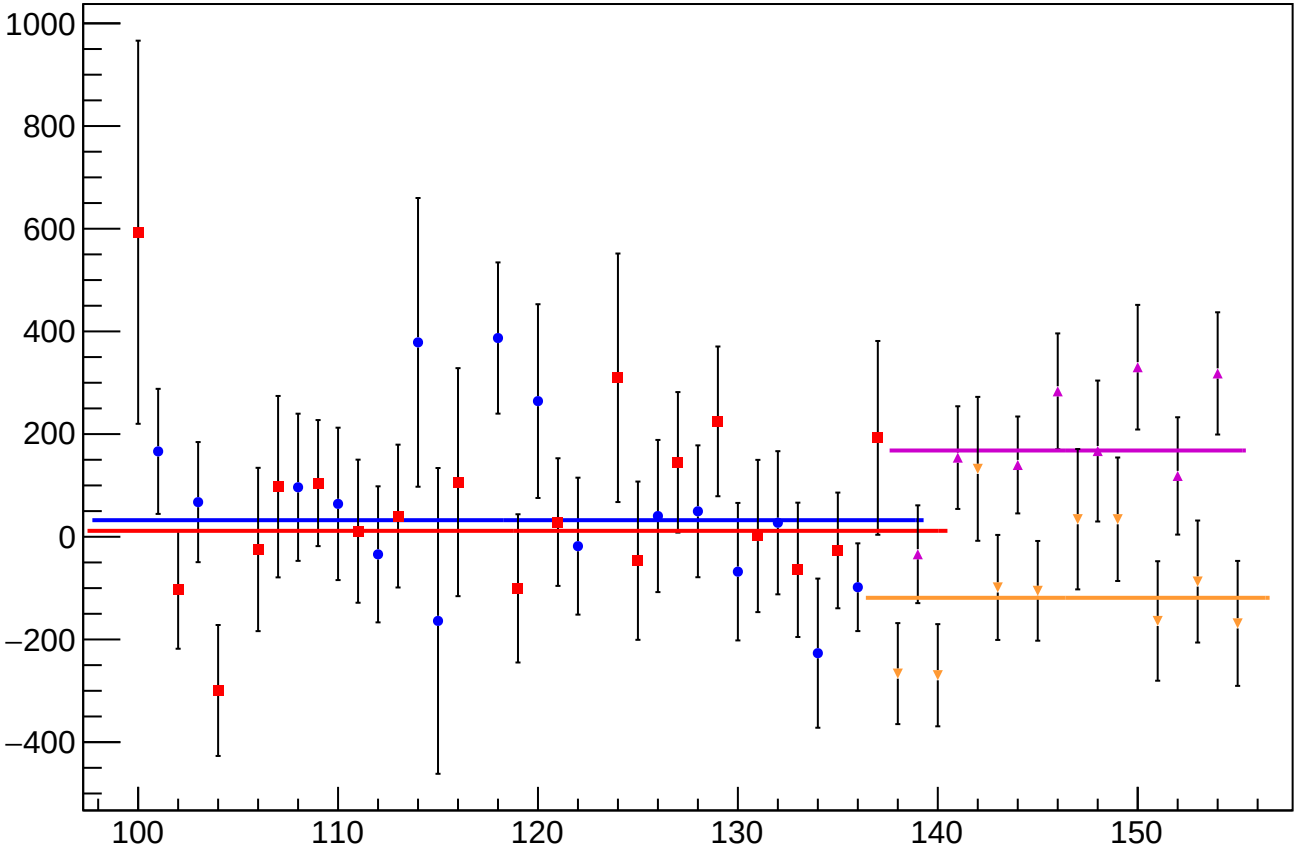
Left In: 630.841+/-0.171 χ^2/NDF:296721.7/7

+ sign 653.111+/-0.121 χ^2/NDF: 1036745.1/25

All: 648.683+/-0.086 χ^2/NDF: 2154493.7/52

- sign 644.143+/-0.123 χ^2/NDF: 1115053.6/26

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -118.863+/-35.540 χ^2/NDF:11.1/9

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

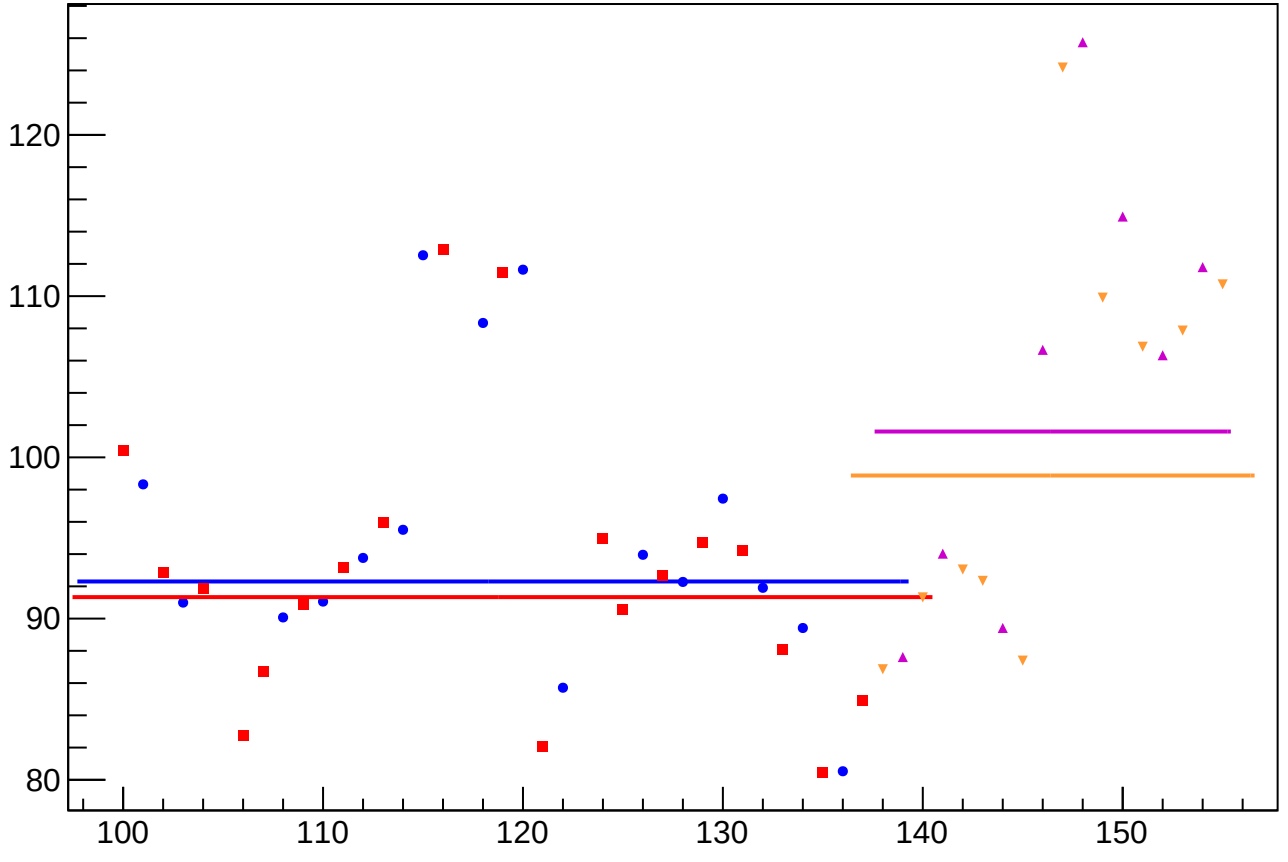
Left In: 168.051+/-38.656 χ^2/NDF:9.2/7

+ sign -40.874+/-24.728 χ^2/NDF: 37.7/25

All: 17.508+/-17.697 χ^2/NDF: 84.9/52

- sign 78.800+/-25.337 χ^2/NDF: 35.8/26

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 98.875+/-0.025 χ^2/NDF:206192.5/9

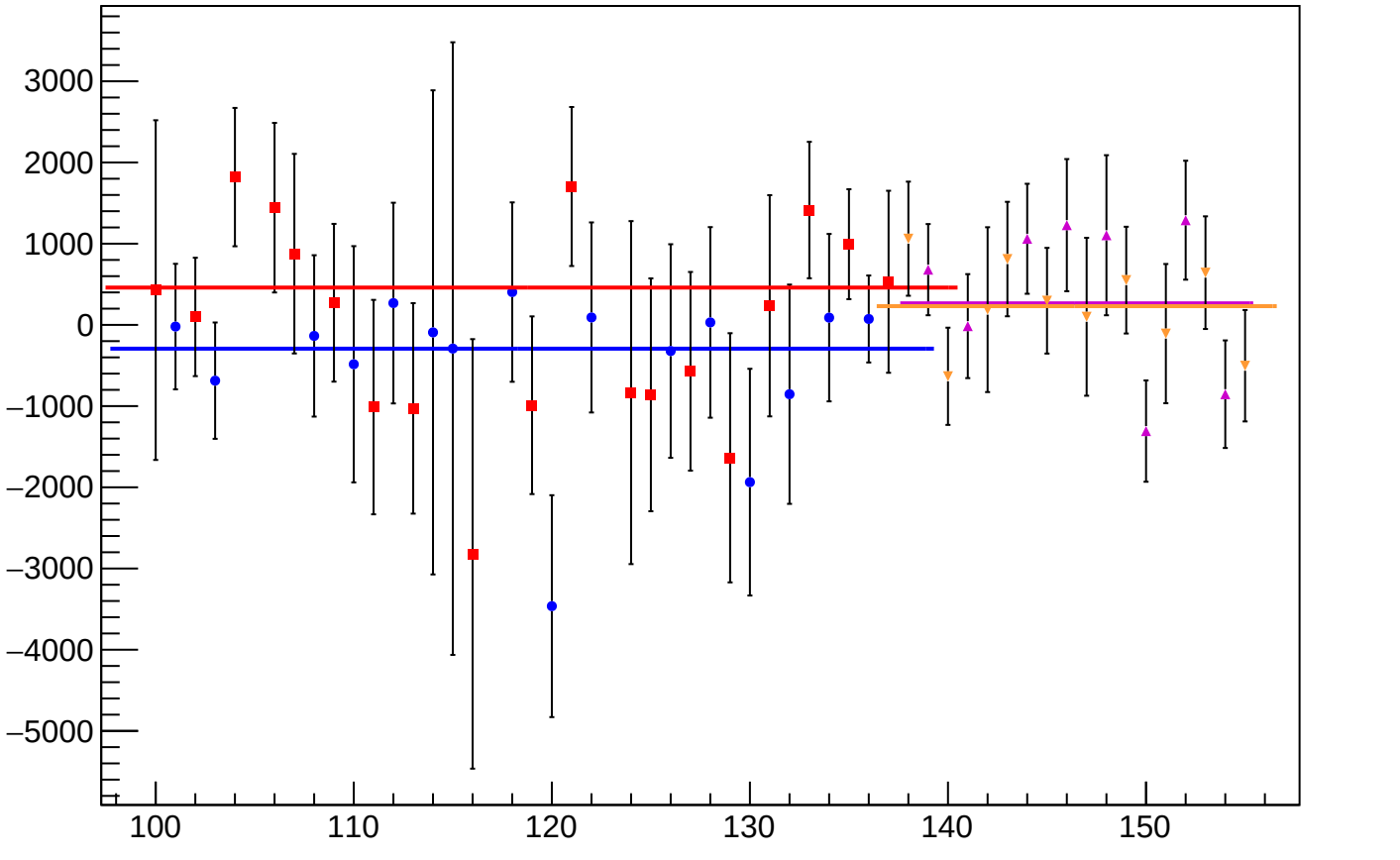
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 101.603+/-0.027 χ^2/NDF:196097.1/7

+ sign 95.484+/-0.017 χ^2/NDF: 348543.6/25

All: 95.611+/-0.013 χ^2/NDF: 730198.0/52

- sign 95.744+/-0.018 χ^2/NDF: 381546.4/26



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 230.566+/-228.806 χ^2/NDF:6.1/9

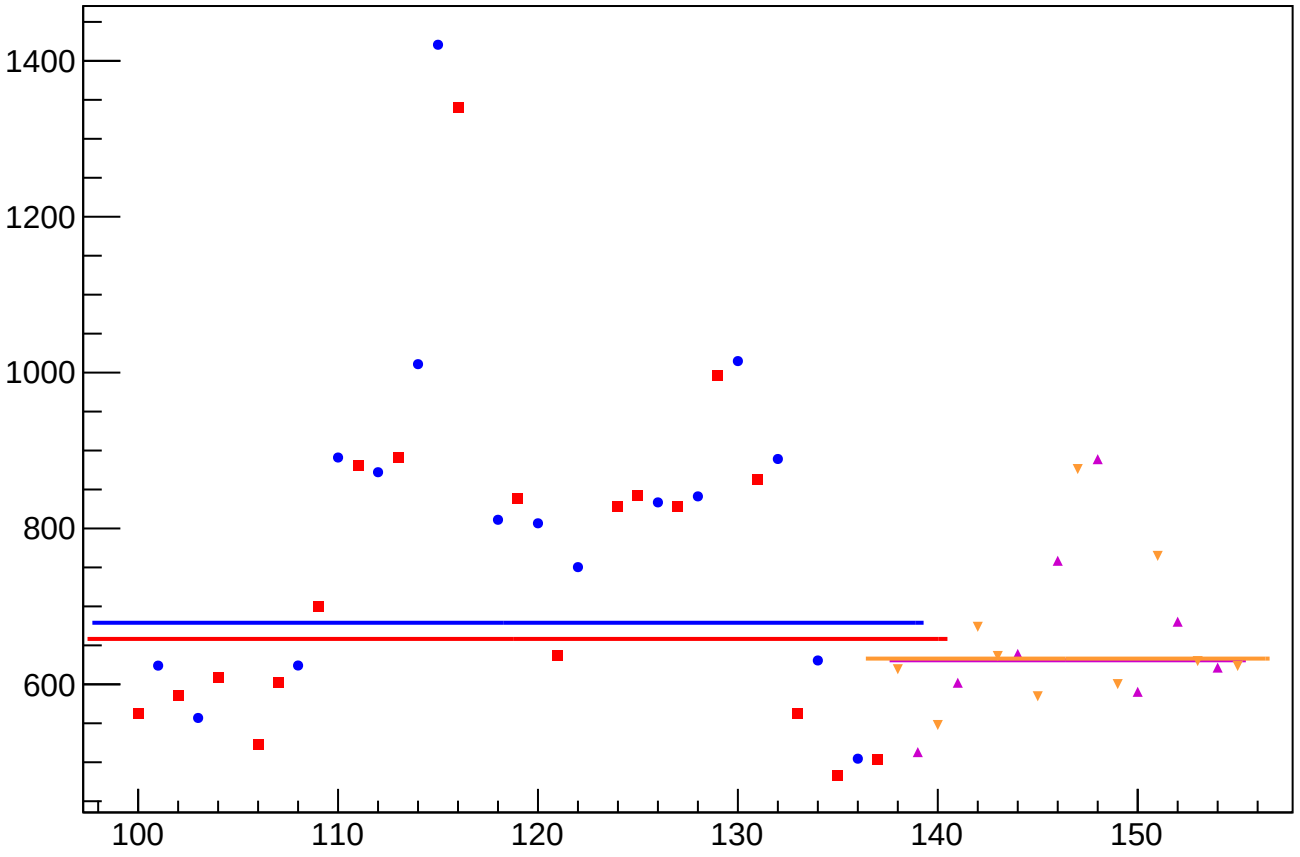
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 265.477+/-242.226 χ^2/NDF:15.4/7

\+ sign 1.863+/-171.677 χ^2/NDF: 17.2/25

All: 178.548+/-122.141 χ^2/NDF: 52.1/52

\- sign 359.649+/-173.809 χ^2/NDF: 32.8/26



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.012+/-0.162 χ^2/NDF:233446.7/9

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

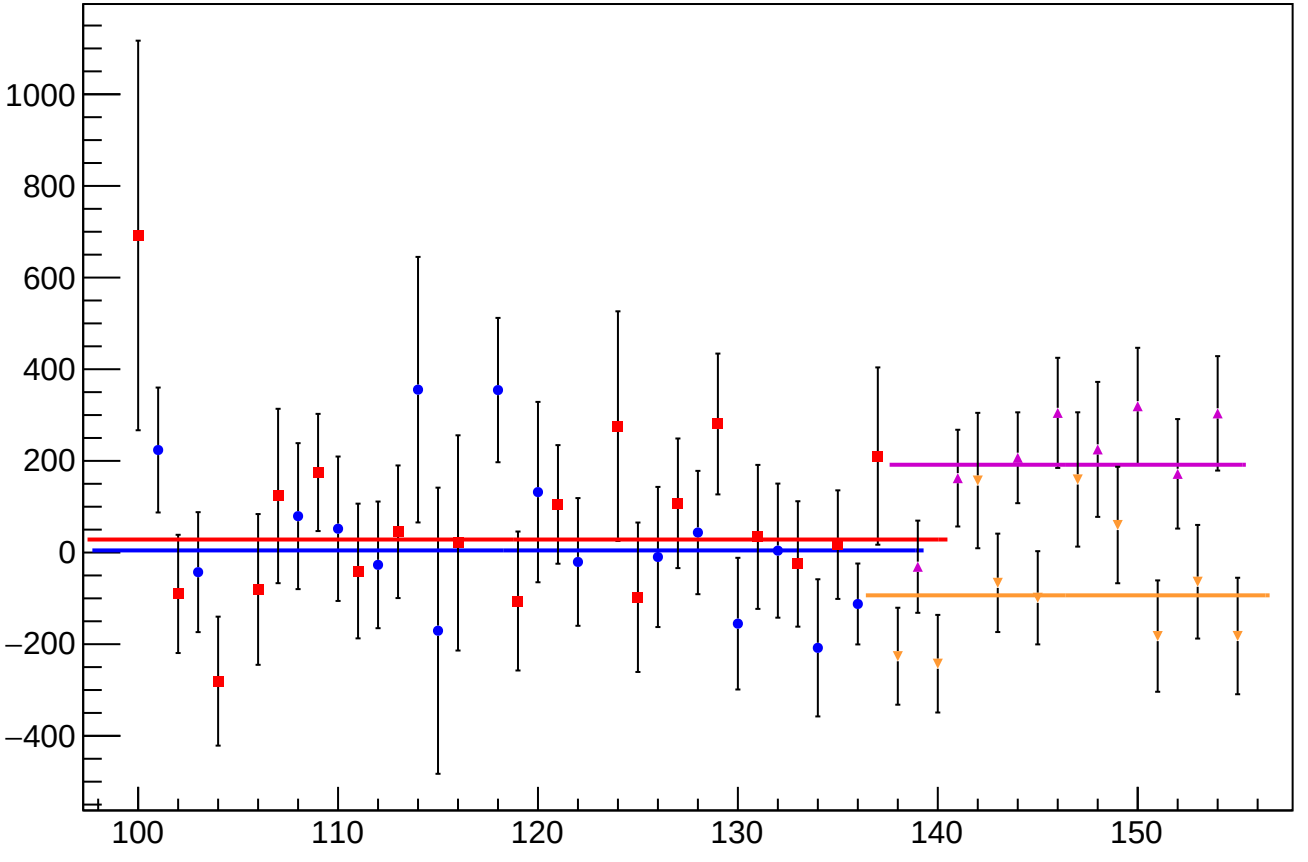
Left In: 630.841+/-0.171 χ^2/NDF:296721.7/7

+ sign 653.111+/-0.121 χ^2/NDF: 1036745.1/25

All: 648.683+/-0.086 χ^2/NDF: 2154493.7/52

- sign 644.143+/-0.123 χ^2/NDF: 1115053.6/26

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.397+/-37.533 χ^2/NDF:12.0/9

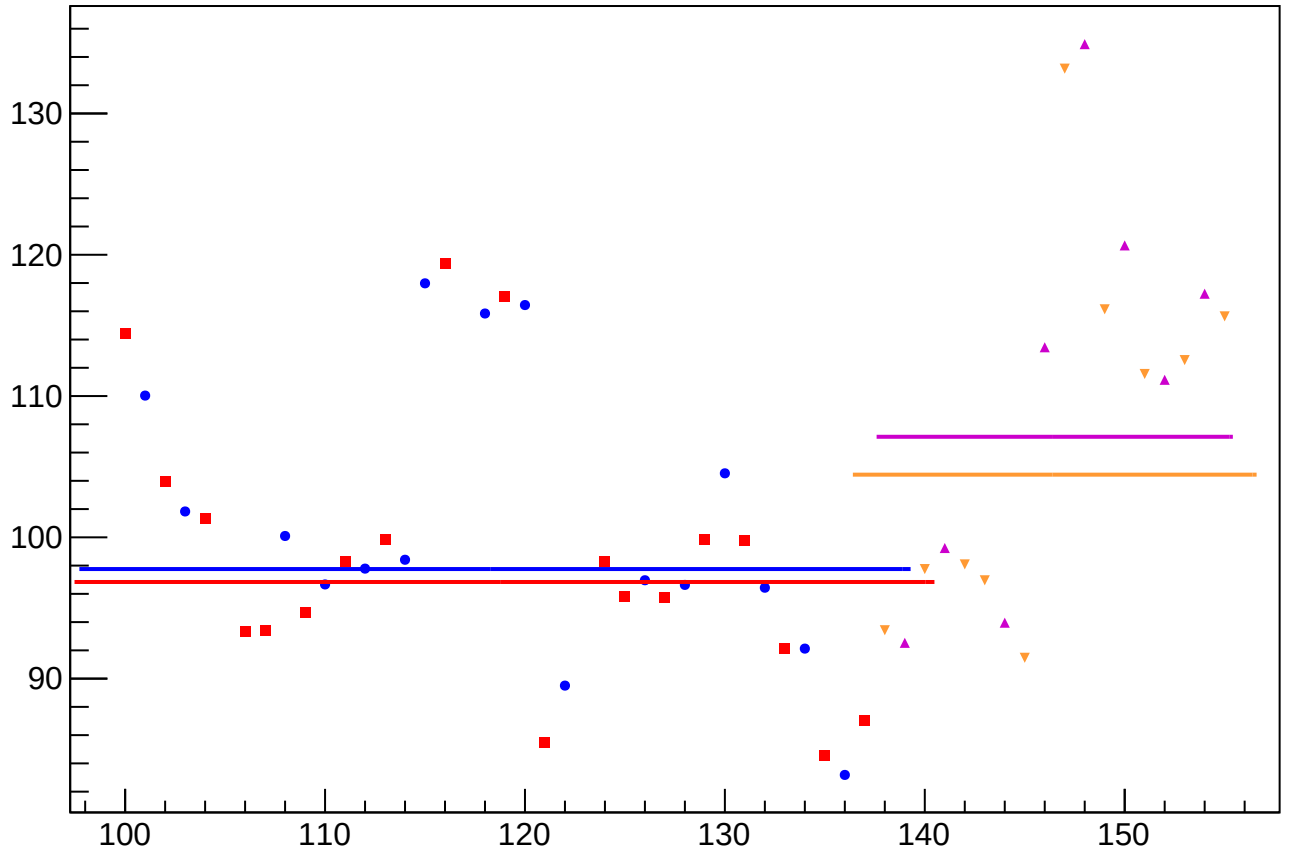
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 191.573+/-40.774 χ^2/NDF:7.8/7

+ sign -43.033+/-26.170 χ^2/NDF: 30.8/25

All: 26.248+/-18.710 χ^2/NDF: 79.2/52

- sign 98.682+/-26.759 χ^2/NDF: 34.0/26



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 104.437+/-0.027 χ^2/NDF:200233.1/9

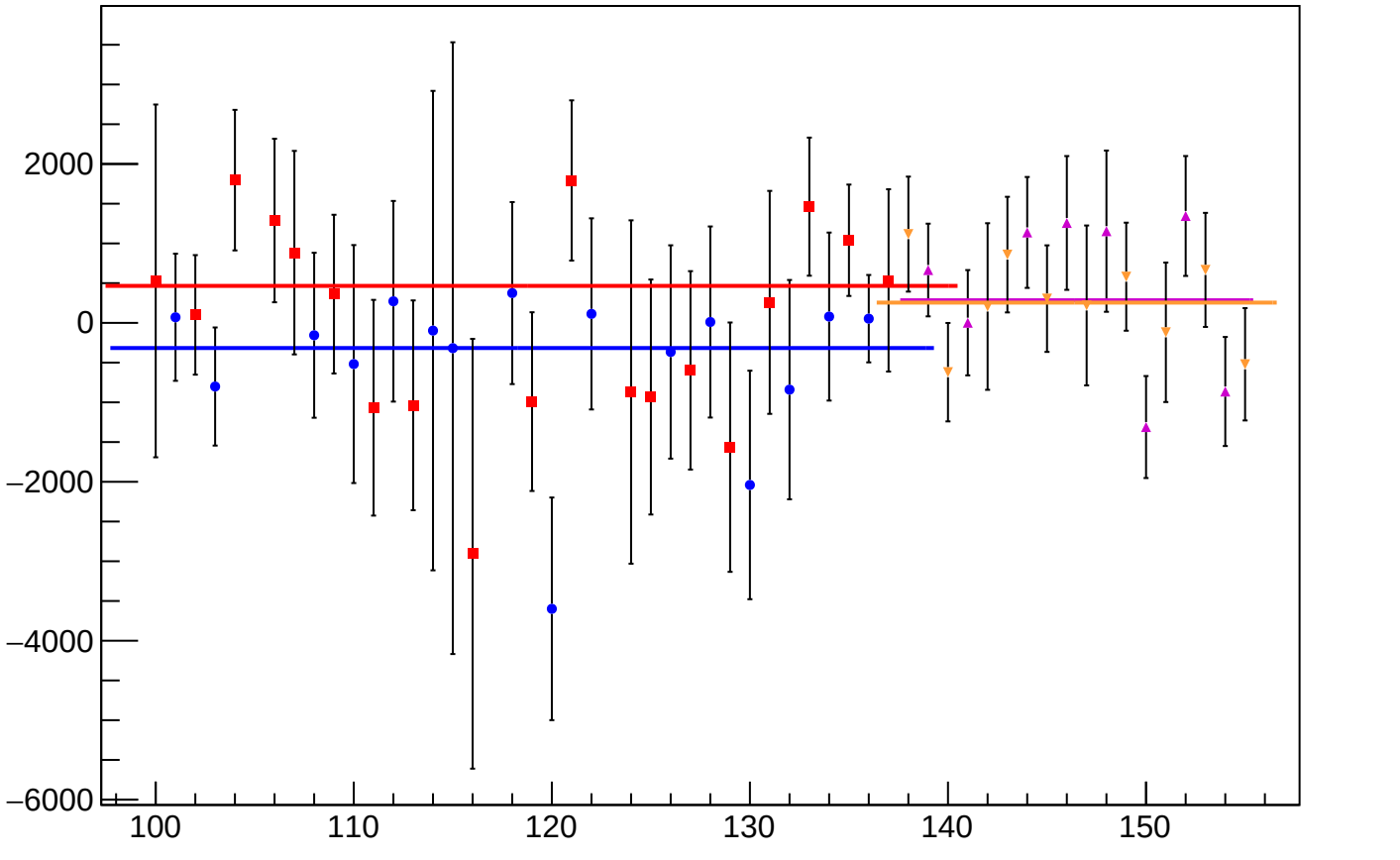
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 107.118+/-0.029 χ^2/NDF:203202.5/7

+ sign 101.004+/-0.019 χ^2/NDF: 373445.2/25

All: 101.132+/-0.013 χ^2/NDF: 764263.6/52

- sign 101.266+/-0.019 χ^2/NDF: 390720.0/26



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 255.249+/-236.136 χ^2/NDF:6.1/9

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

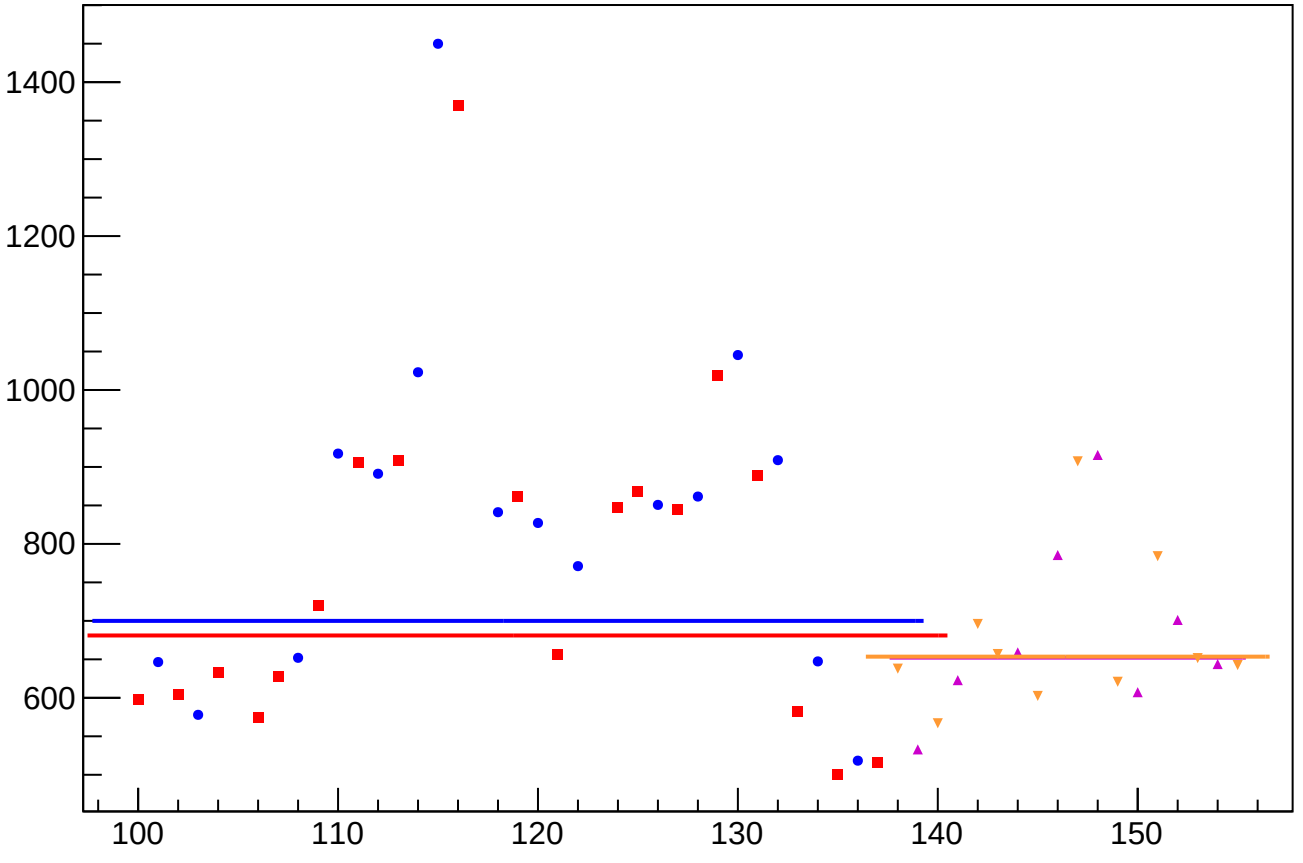
Left In: 284.485+/-250.294 χ^2/NDF:15.1/7

\+ sign 4.828+/-177.033 χ^2/NDF: 17.8/25

All: 186.569+/-125.936 χ^2/NDF: 51.8/52

\- sign 372.762+/-179.188 χ^2/NDF: 31.9/26

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 653.504+/-0.167 χ^2/NDF:231508.0/9

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

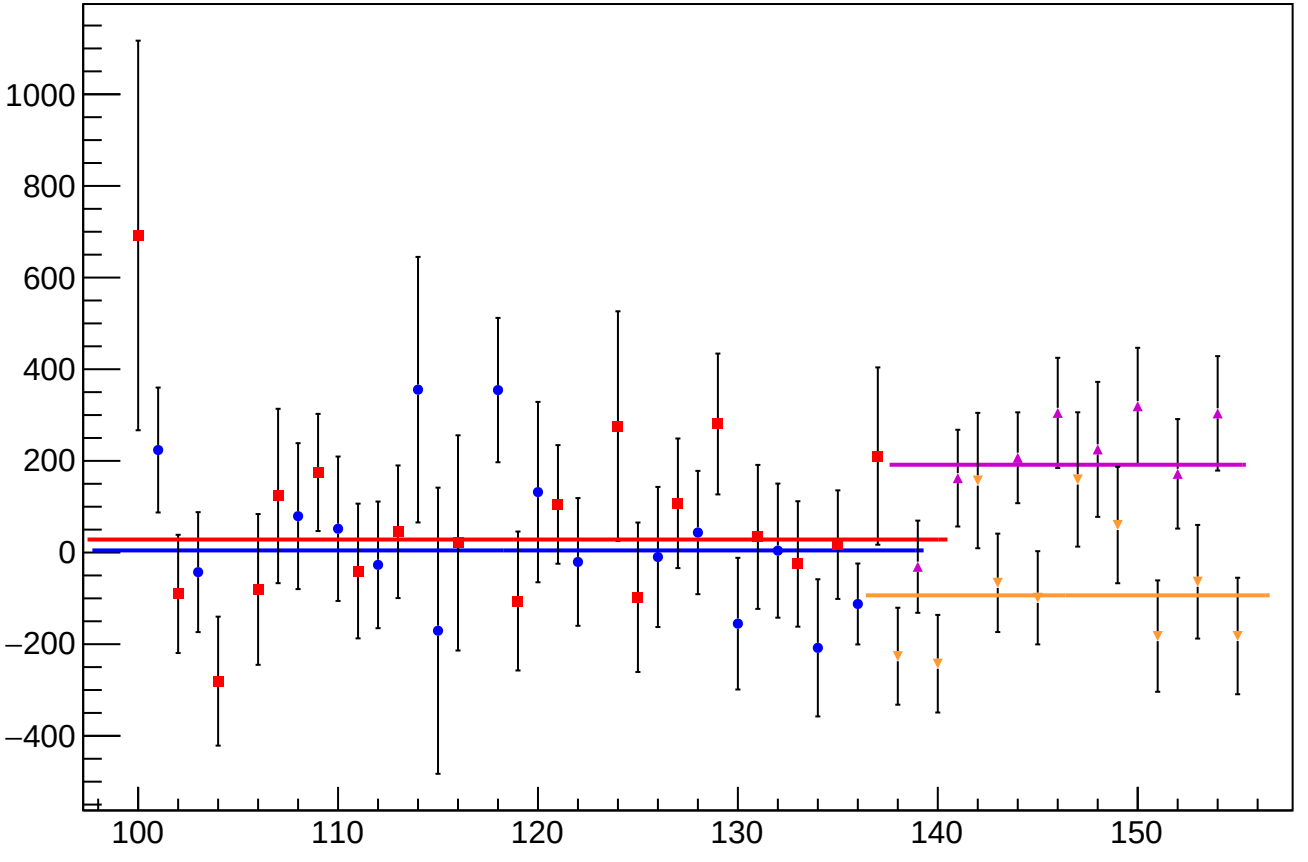
Left In: 652.251+/-0.177 χ^2/NDF:291140.8/7

+ sign 673.854+/-0.125 χ^2/NDF: 1019092.6/25

All: 670.110+/-0.089 χ^2/NDF: 2094319.0/52

- sign 666.273+/-0.127 χ^2/NDF: 1073415.0/26

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.397+/-37.533 χ^2/NDF:12.0/9

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

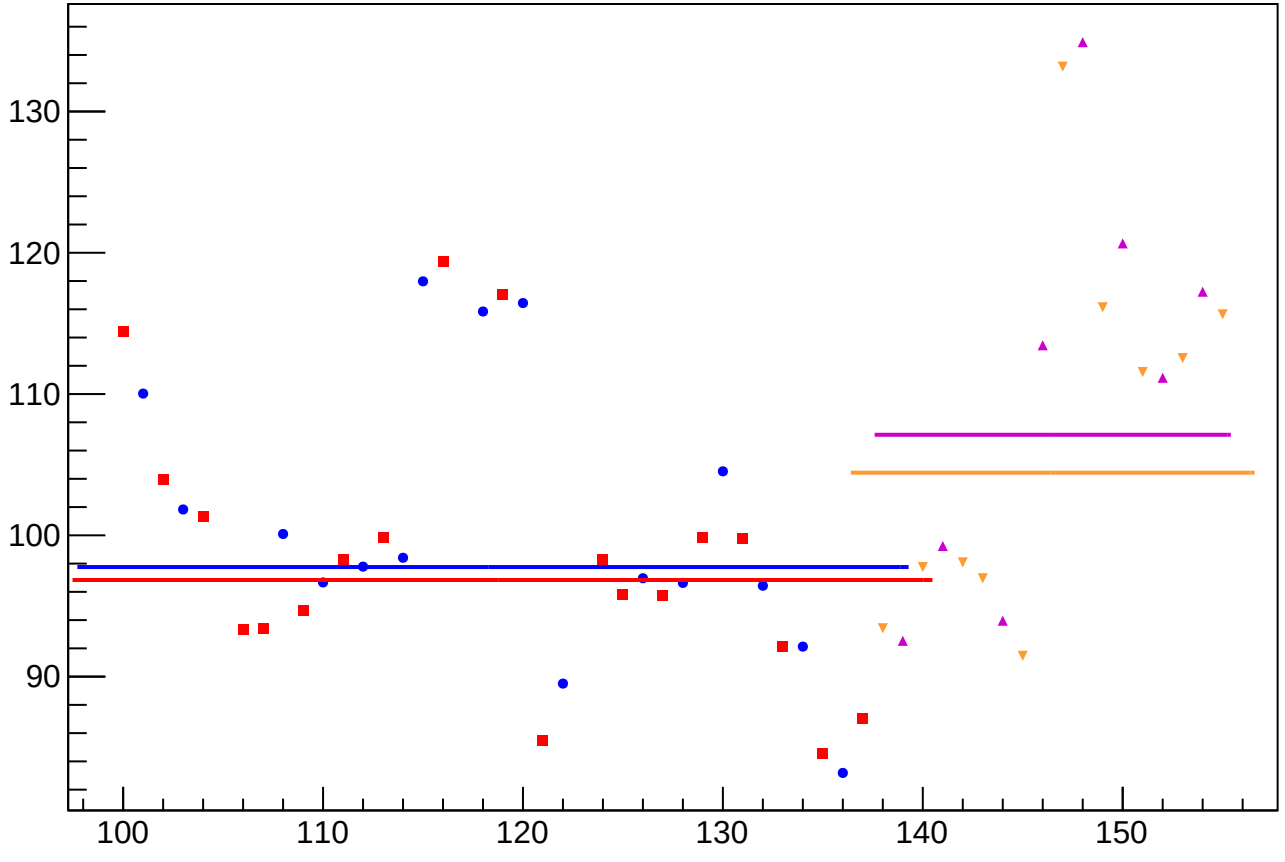
Left In: 191.573+/-40.774 χ^2/NDF:7.8/7

+ sign -43.033+/-26.170 χ^2/NDF: 30.8/25

All: 26.249+/-18.710 χ^2/NDF: 79.2/52

- sign 98.682+/-26.759 χ^2/NDF: 34.0/26

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 104.437+/-0.027 χ^2/NDF:200234.0/9

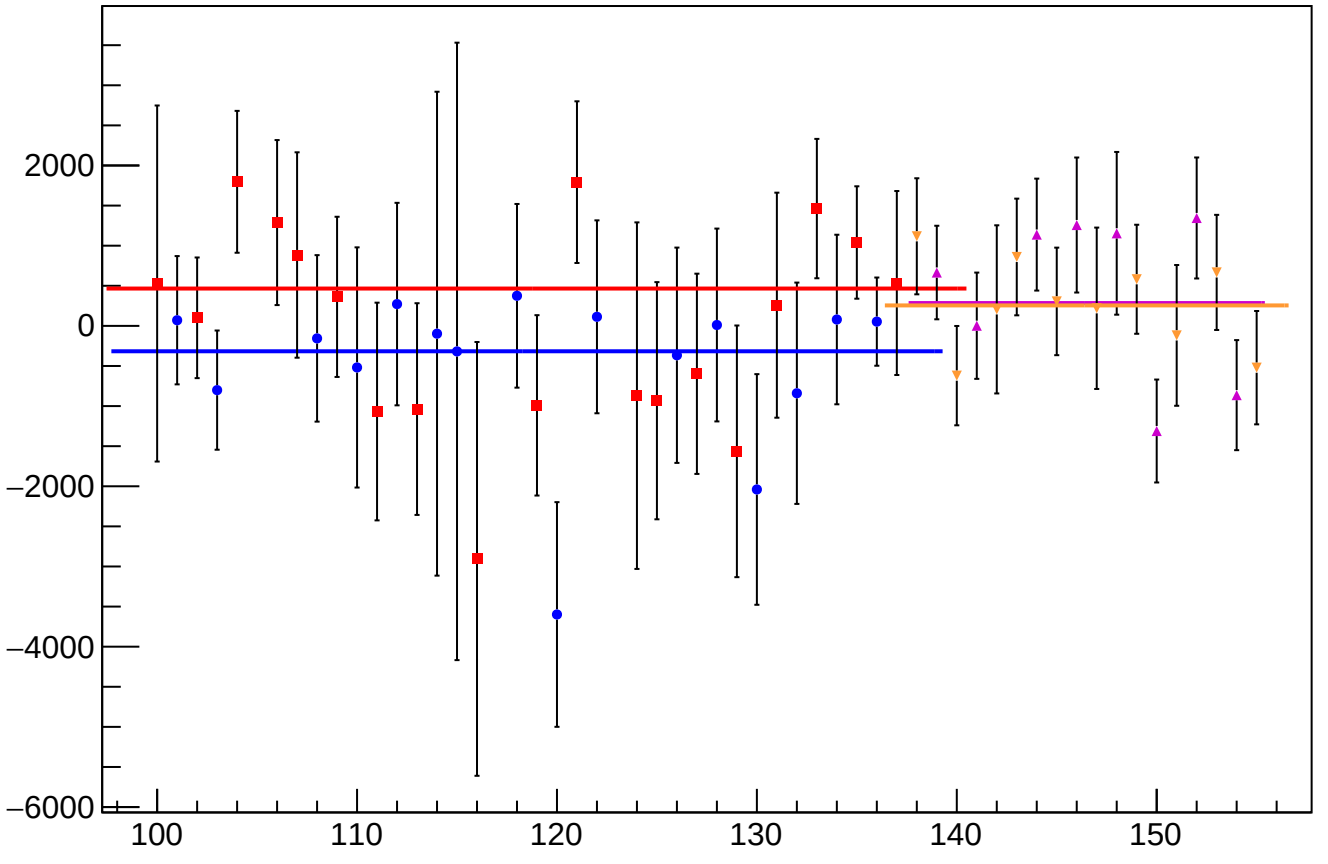
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 107.118+/-0.029 χ^2/NDF:203202.3/7

\+ sign 101.004+/-0.019 χ^2/NDF: 373450.6/25

All: 101.132+/-0.013 χ^2/NDF: 764278.3/52

\- sign 101.266+/-0.019 χ^2/NDF: 390729.3/26



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 255.249+/-236.136 χ^2/NDF:6.1/9

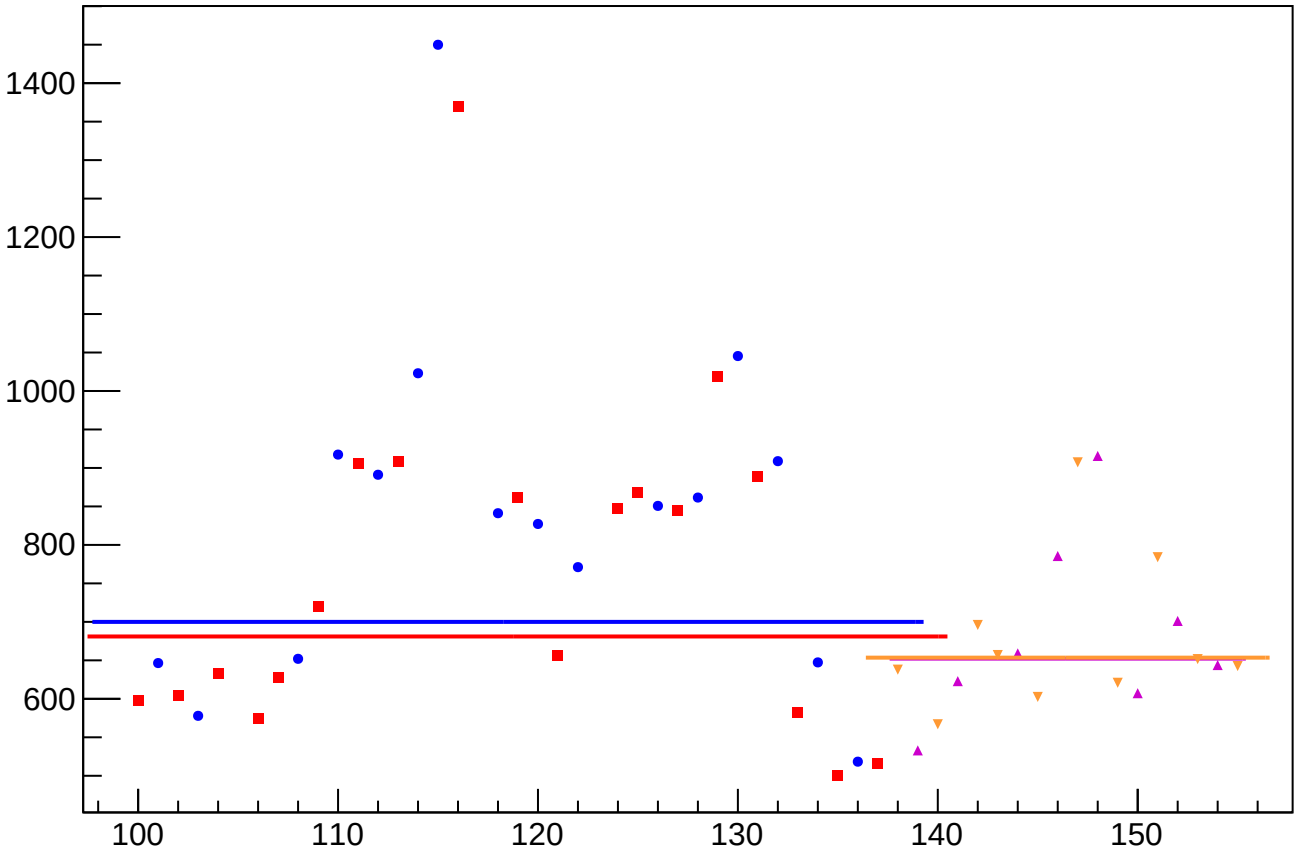
Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: 284.486+/-250.294 χ^2/NDF:15.1/7

\+ sign 4.827+/-177.033 χ^2/NDF: 17.8/25

All: 186.569+/-125.936 χ^2/NDF: 51.8/52

\- sign 372.762+/-179.188 χ^2/NDF: 31.9/26



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 653.505+/-0.167 χ^2/NDF:231507.1/9

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

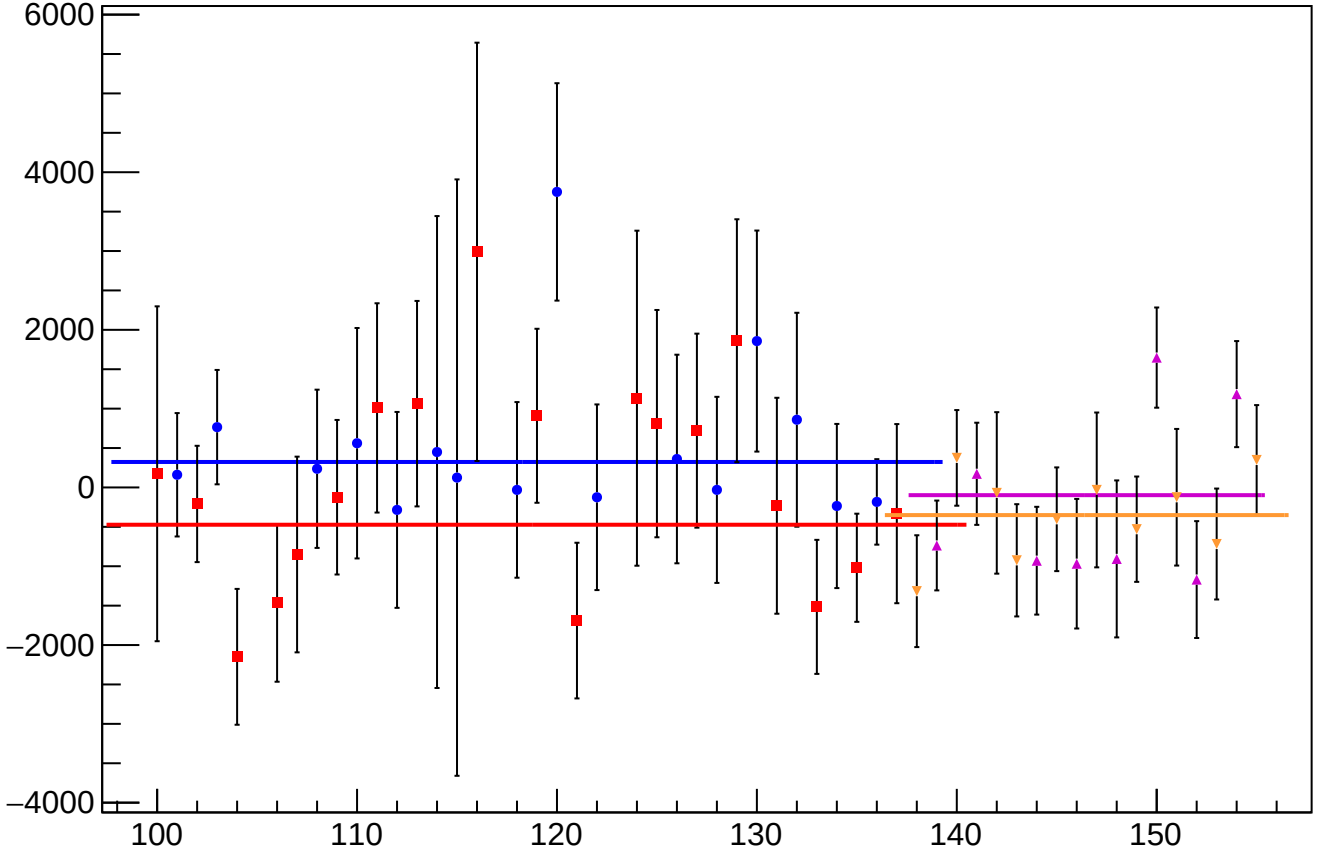
Left In: 652.252+/-0.177 χ^2/NDF:291140.4/7

+ sign 673.854+/-0.125 χ^2/NDF: 1019090.8/25

All: 670.110+/-0.089 χ^2/NDF: 2094317.7/52

- sign 666.273+/-0.127 χ^2/NDF: 1073415.3/26

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -350.912+/-231.743 χ^2/NDF:5.5/9

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

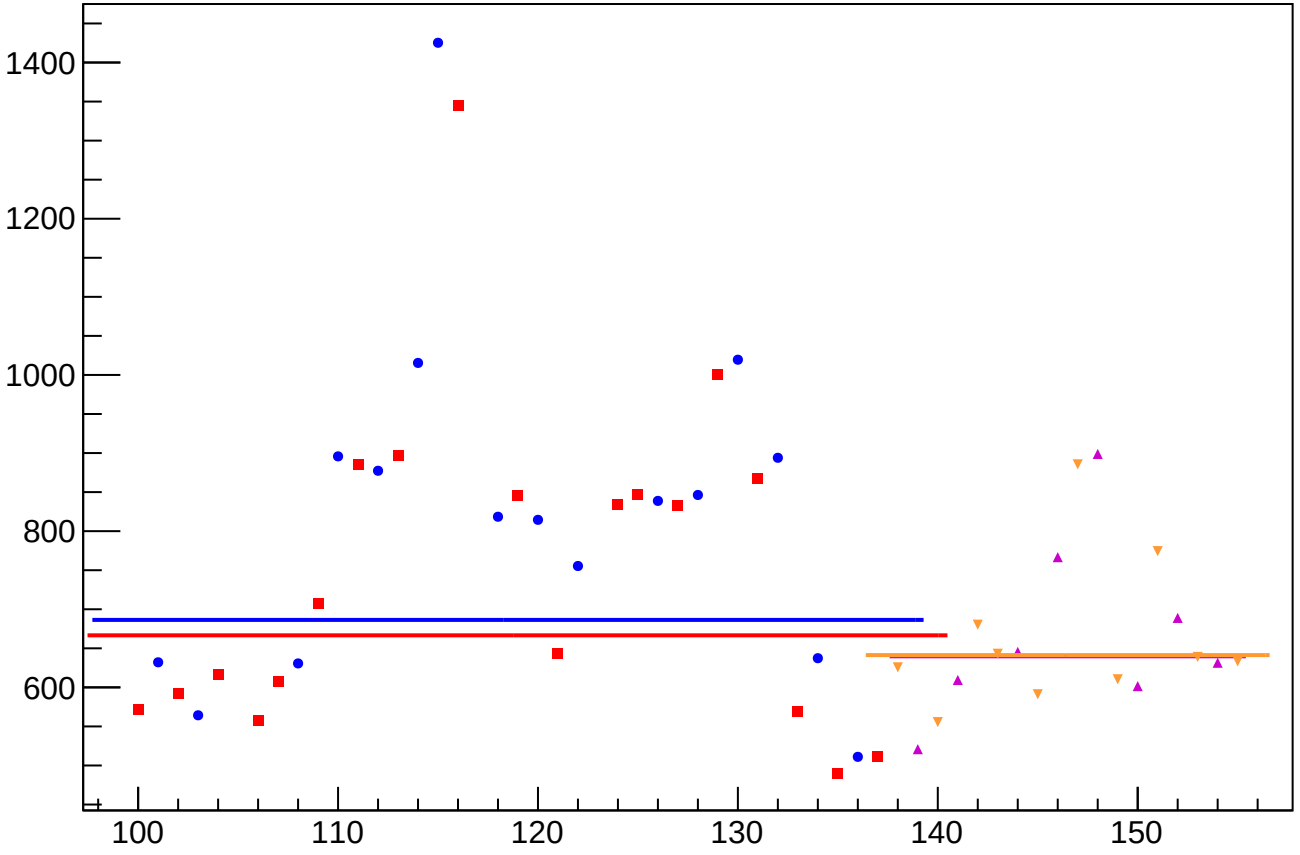
Left In: -97.972+/-245.548 χ^2/NDF:17.9/7

\+ sign -55.433+/-173.680 χ^2/NDF: 19.0/25

All: -167.069+/-123.496 χ^2/NDF: 58.3/52

\- sign -281.236+/-175.637 χ^2/NDF: 38.5/26

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 641.322+/-0.164 χ^2/NDF:230772.4/9

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

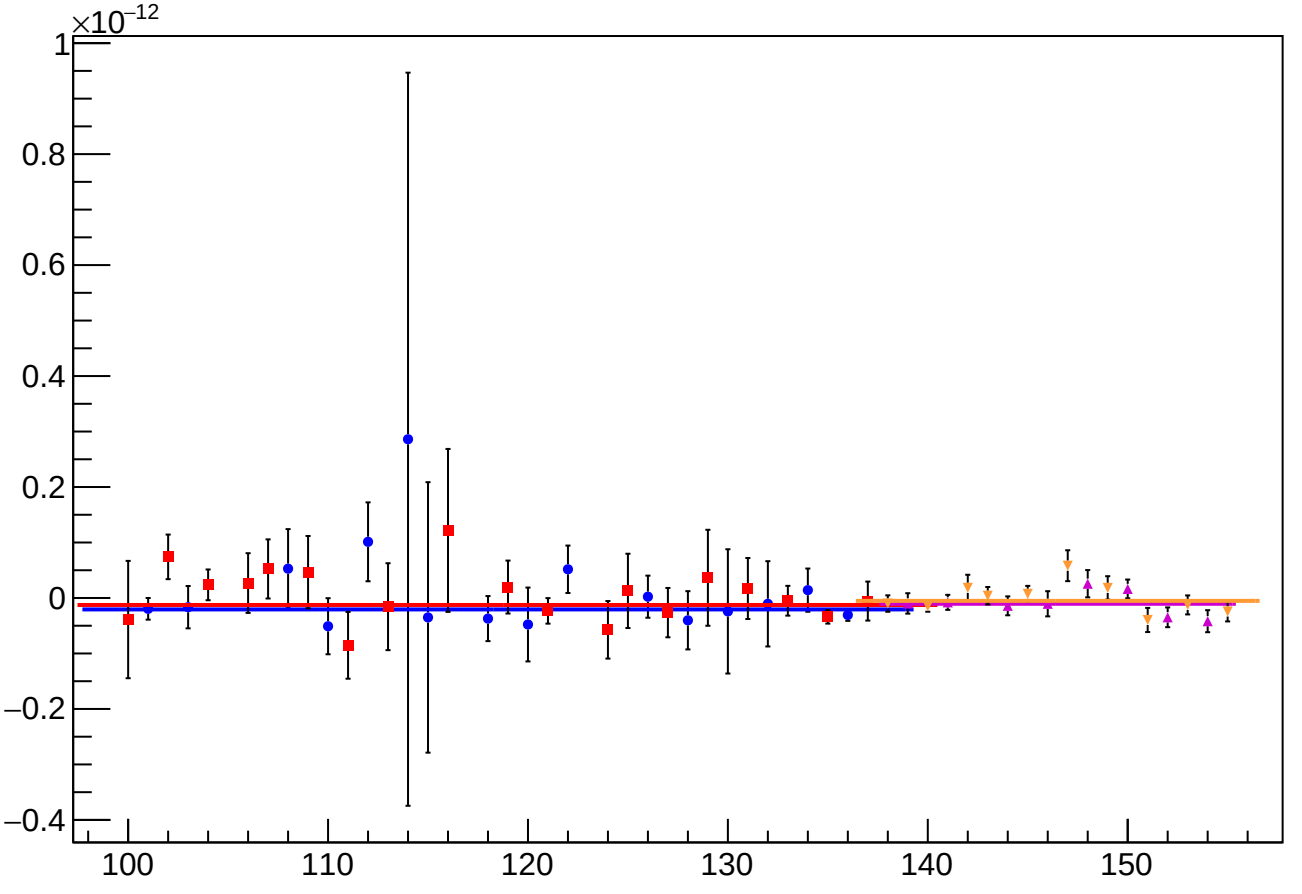
Left In: 639.765+/-0.174 χ^2/NDF:290883.8/7

+ sign 661.078+/-0.123 χ^2/NDF: 1013387.9/25

All: 657.029+/-0.087 χ^2/NDF: 2095200.8/52

- sign 652.887+/-0.124 χ^2/NDF: 1079613.4/26

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

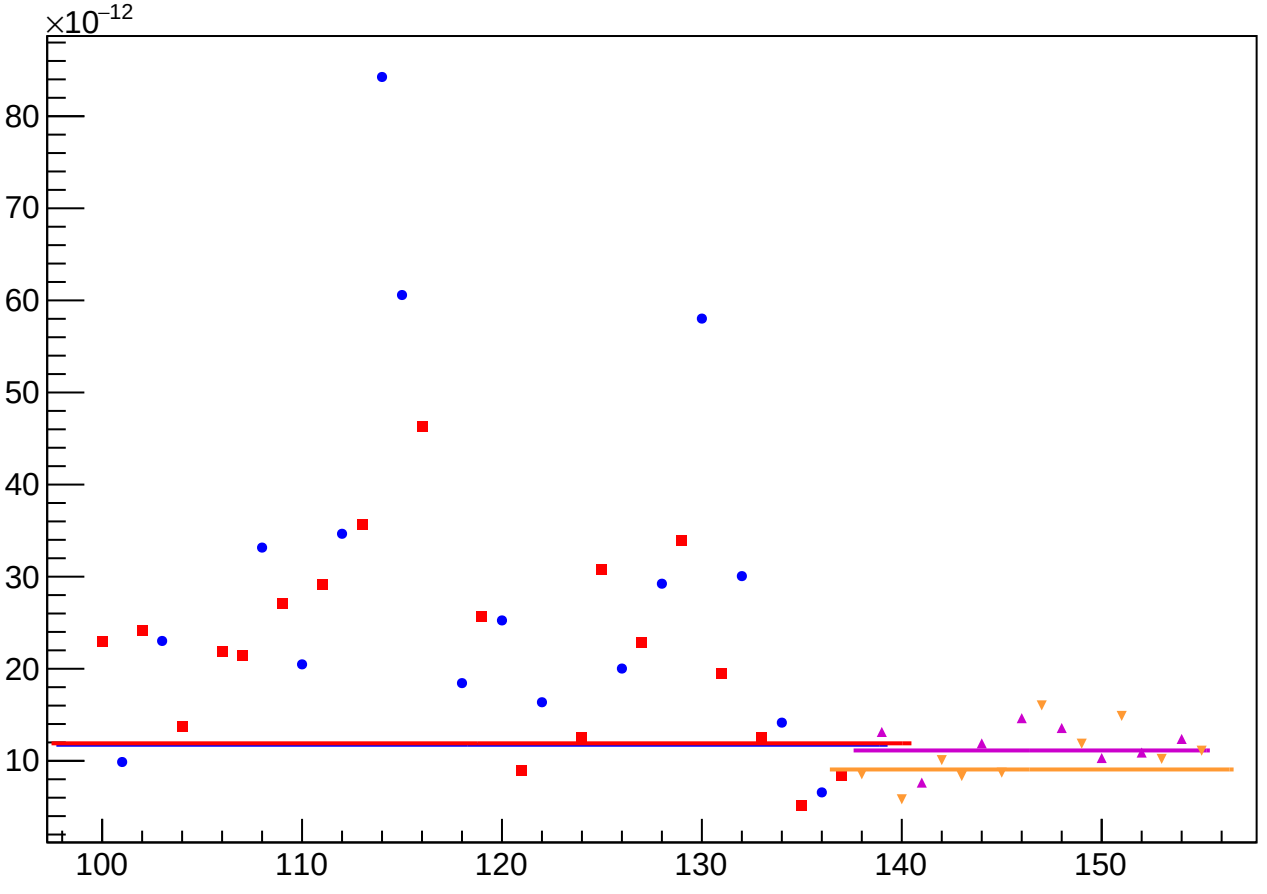
Left In: -0.000+/-0.000 χ^2/NDF:9.1/7

+ sign -0.000+/-0.000 χ^2/NDF: 26.1/25

All: -0.000+/-0.000 χ^2/NDF: 52.4/52

- sign -0.000+/-0.000 χ^2/NDF: 26.2/26

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:560291.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

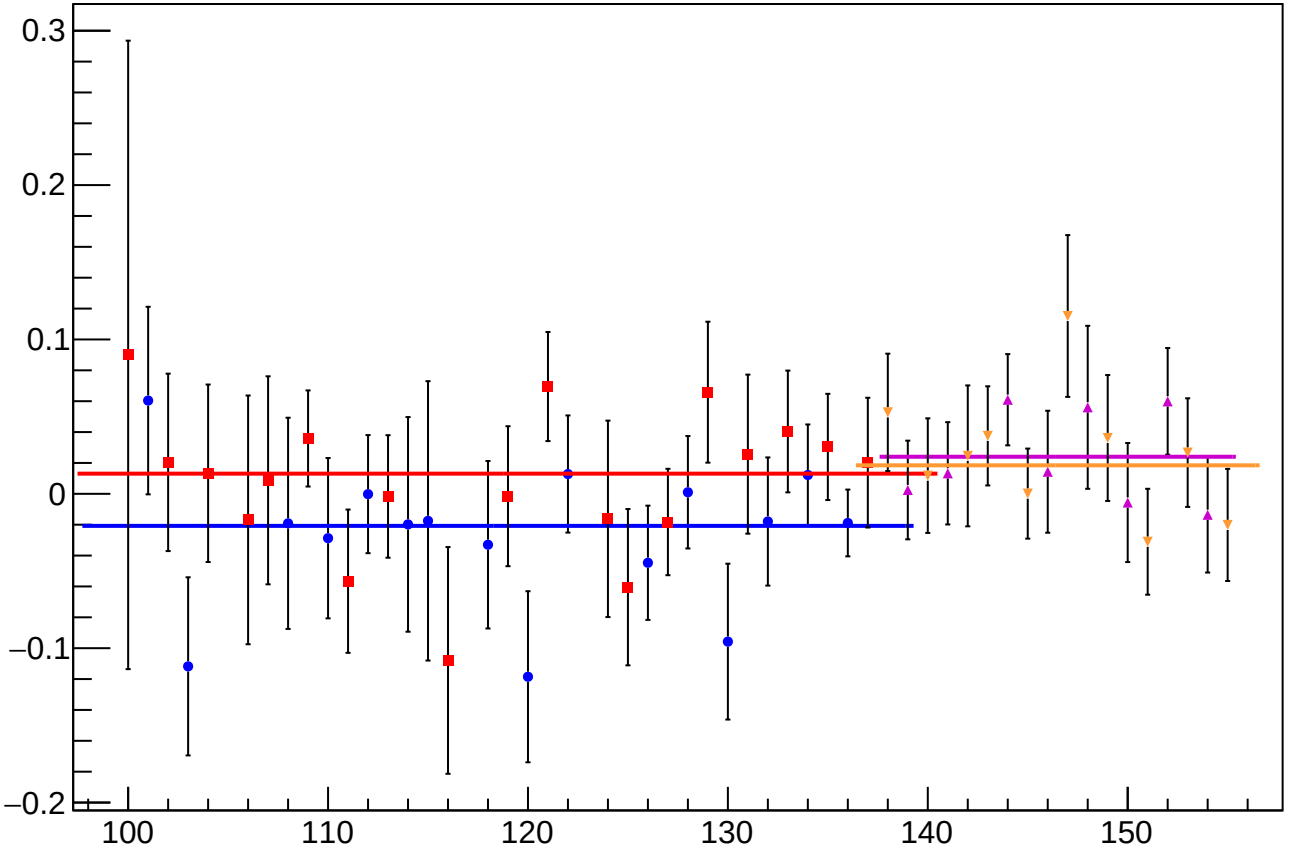
Left In: 0.000+/-0.000 χ^2/NDF:241027.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 2885859.5/25

All: 0.000+/-0.000 χ^2/NDF: 5453737.8/52

- sign 0.000+/-0.000 χ^2/NDF: 2455212.8/26

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.012 χ^2/NDF:8.5/9

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

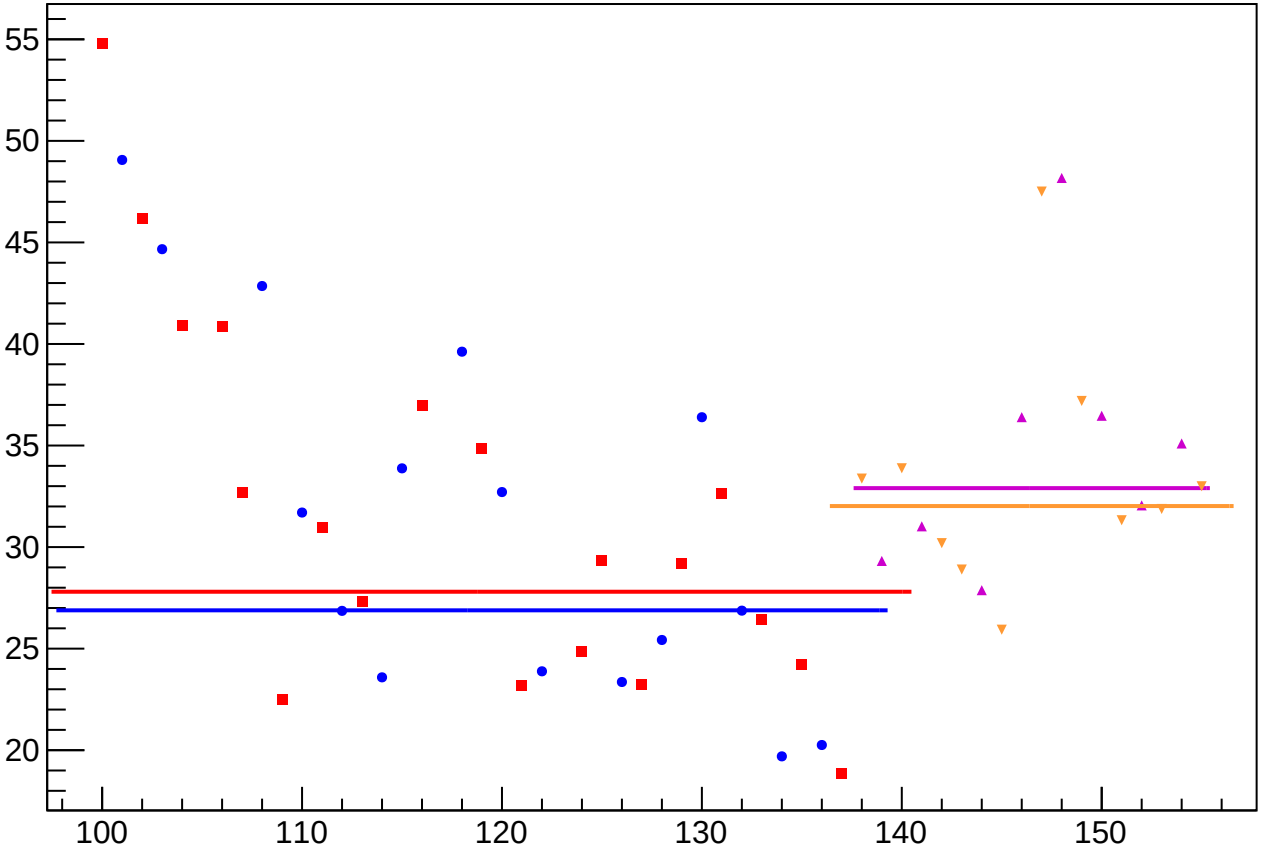
Left In: 0.024+/-0.013 χ^2/NDF:5.2/7

+ sign -0.003+/-0.008 χ^2/NDF: 27.3/25

All: 0.007+/-0.006 χ^2/NDF: 50.2/52

- sign 0.018+/-0.008 χ^2/NDF: 19.6/26

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.020+/-0.008 χ^2/NDF:325872.6/9

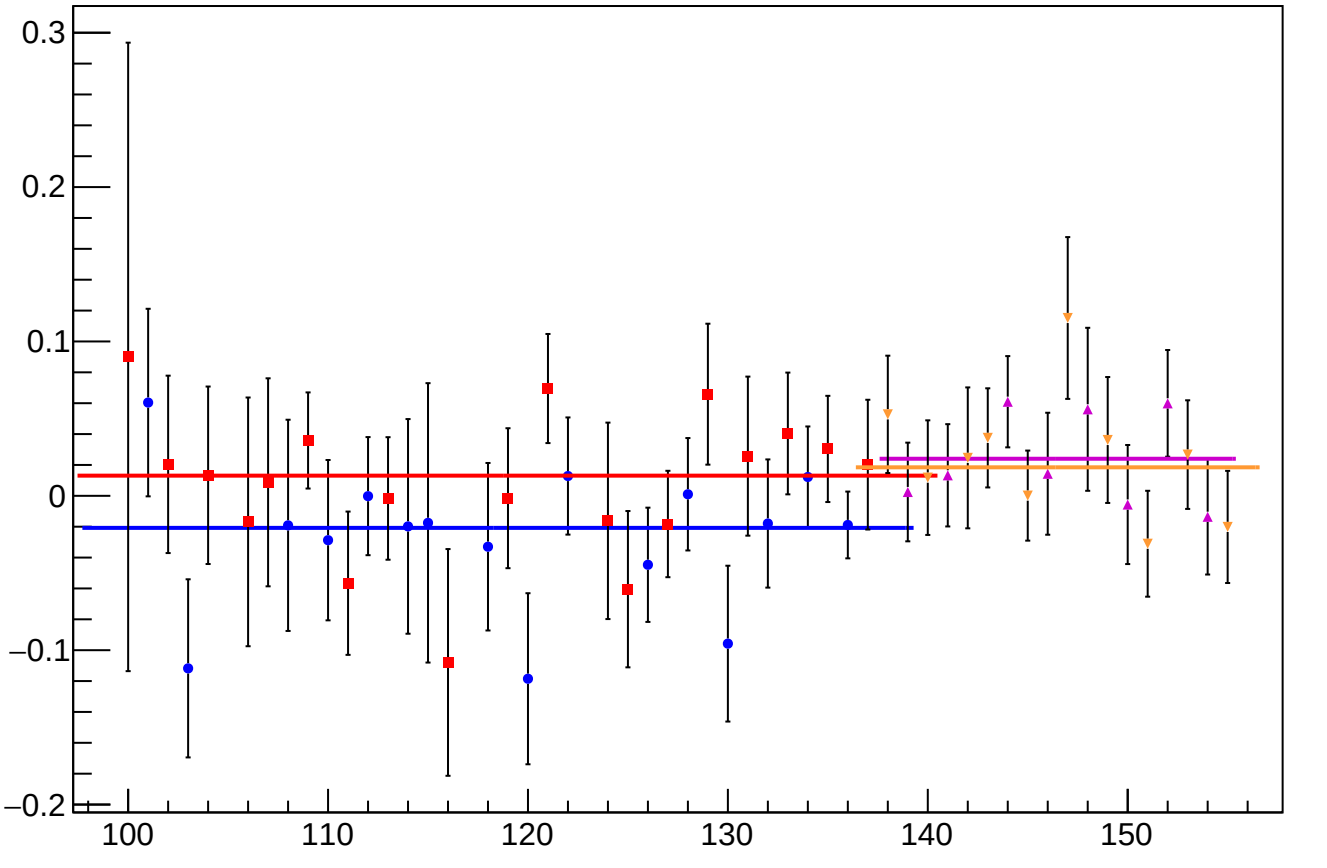
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.903+/-0.009 χ^2/NDF:297546.4/7

+ sign 29.199+/-0.006 χ^2/NDF: 1661457.2/25

All: 29.533+/-0.004 χ^2/NDF: 2921839.1/52

- sign 29.894+/-0.006 χ^2/NDF: 1252721.6/26



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.012 χ^2/NDF:8.5/9

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

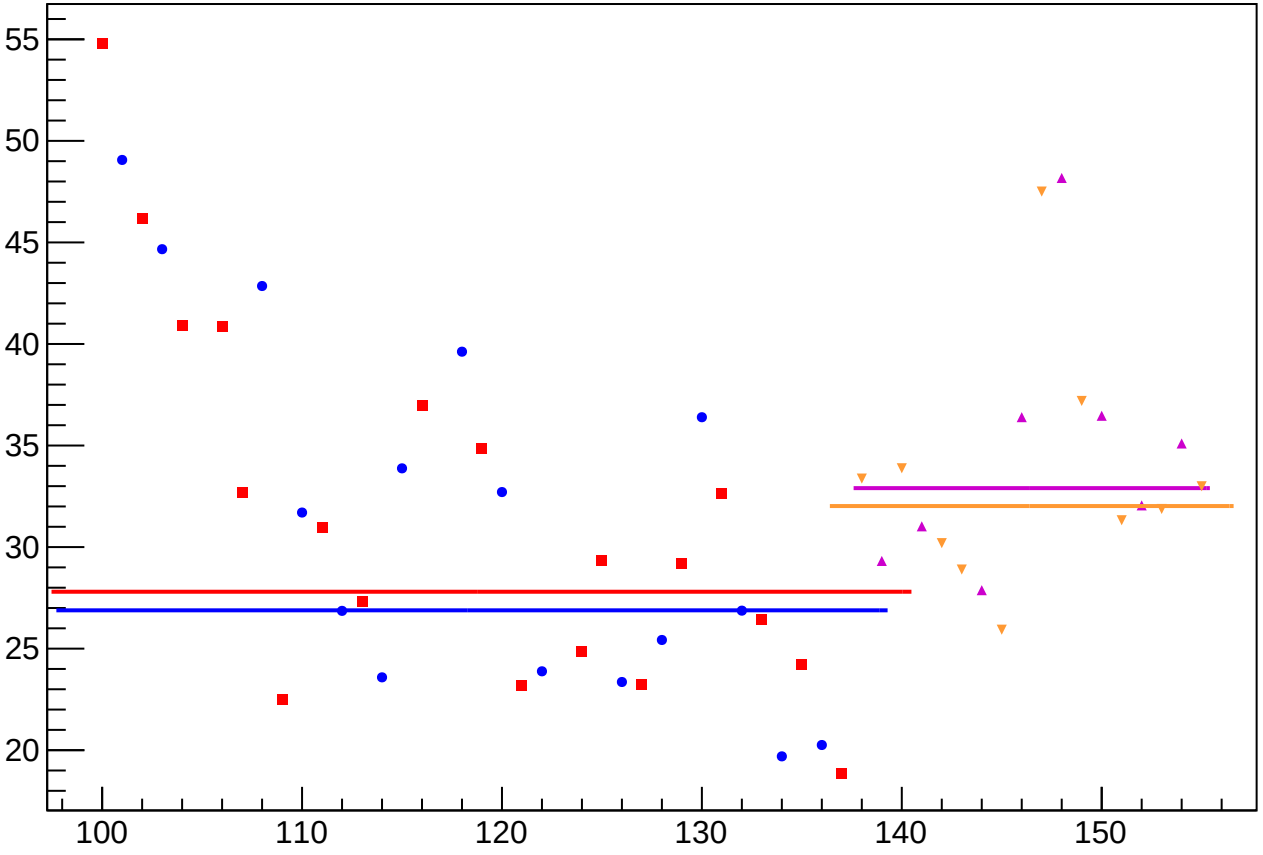
Left In: 0.024+/-0.013 χ^2/NDF:5.2/7

+ sign -0.003+/-0.008 χ^2/NDF: 27.3/25

All: 0.007+/-0.006 χ^2/NDF: 50.2/52

- sign 0.018+/-0.008 χ^2/NDF: 19.6/26

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: 32.020+/-0.008 χ^2/NDF:325872.6/9

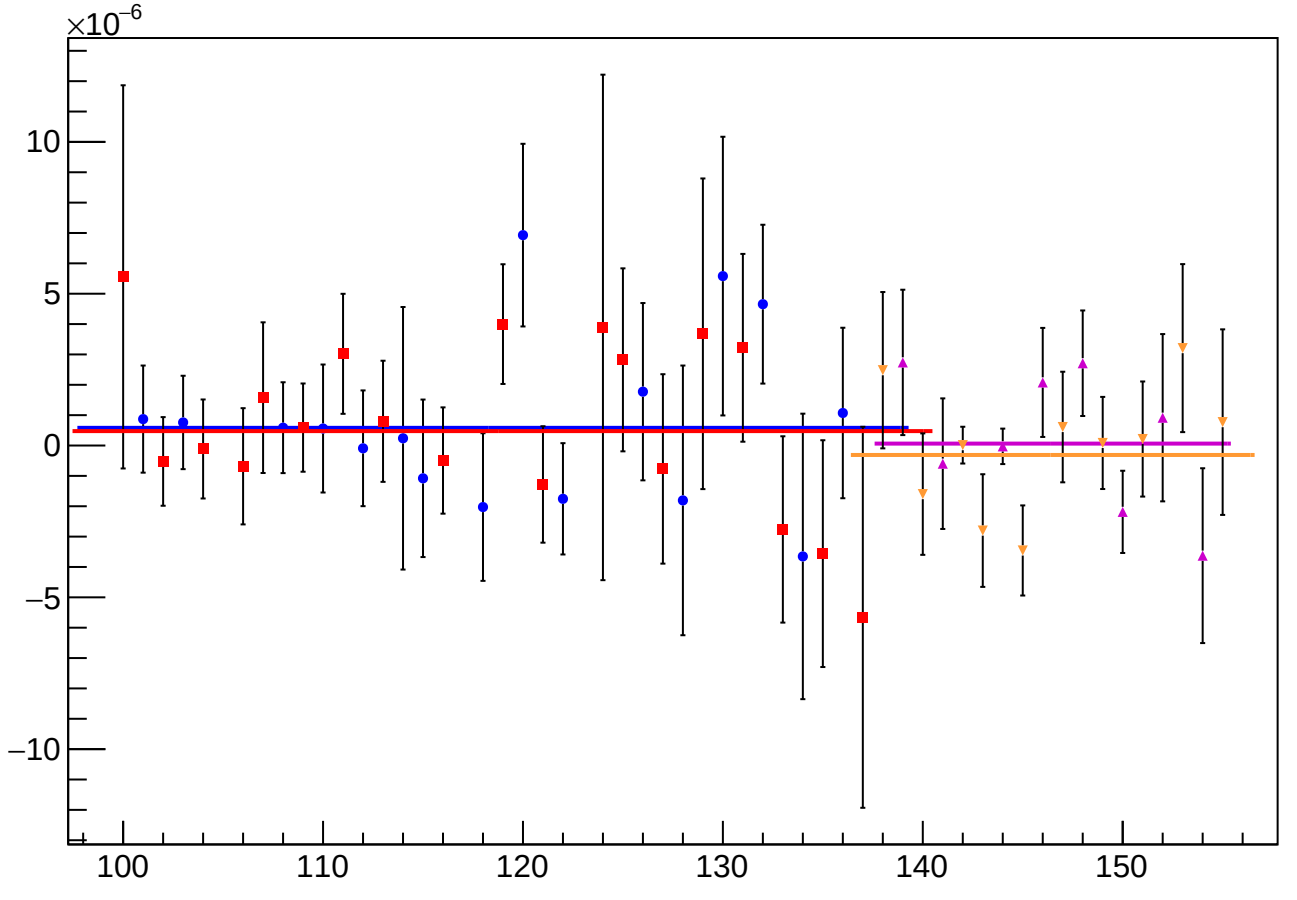
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.903+/-0.009 χ^2/NDF:297546.4/7

+ sign 29.199+/-0.006 χ^2/NDF: 1661457.2/25

All: 29.533+/-0.004 χ^2/NDF: 2921839.1/52

- sign 29.894+/-0.006 χ^2/NDF: 1252721.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/9

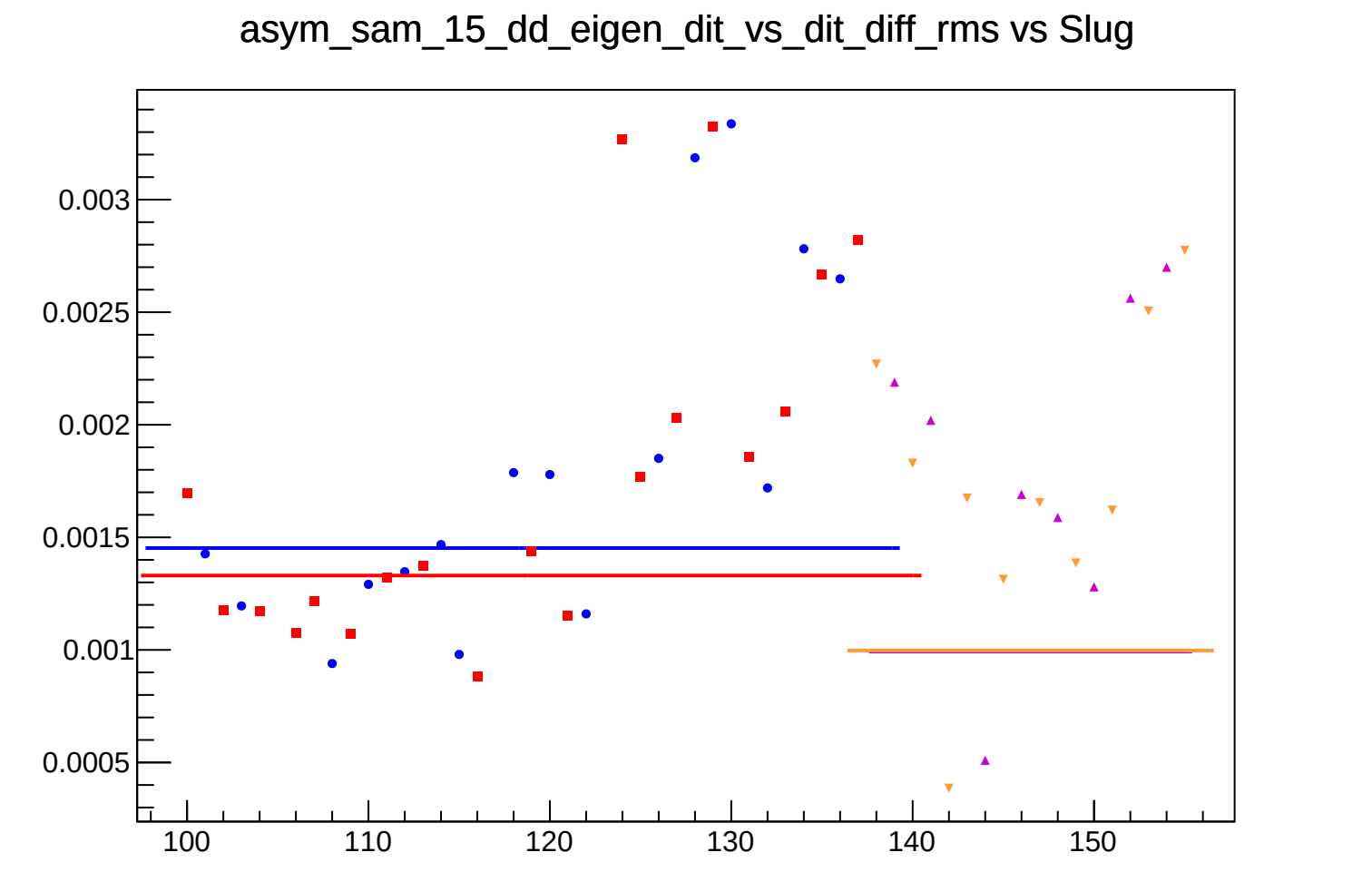
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 24.5/25

All: 0.000+/-0.000 χ^2/NDF: 47.7/52

- sign 0.000+/-0.000 χ^2/NDF: 23.0/26



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5110480.0/9

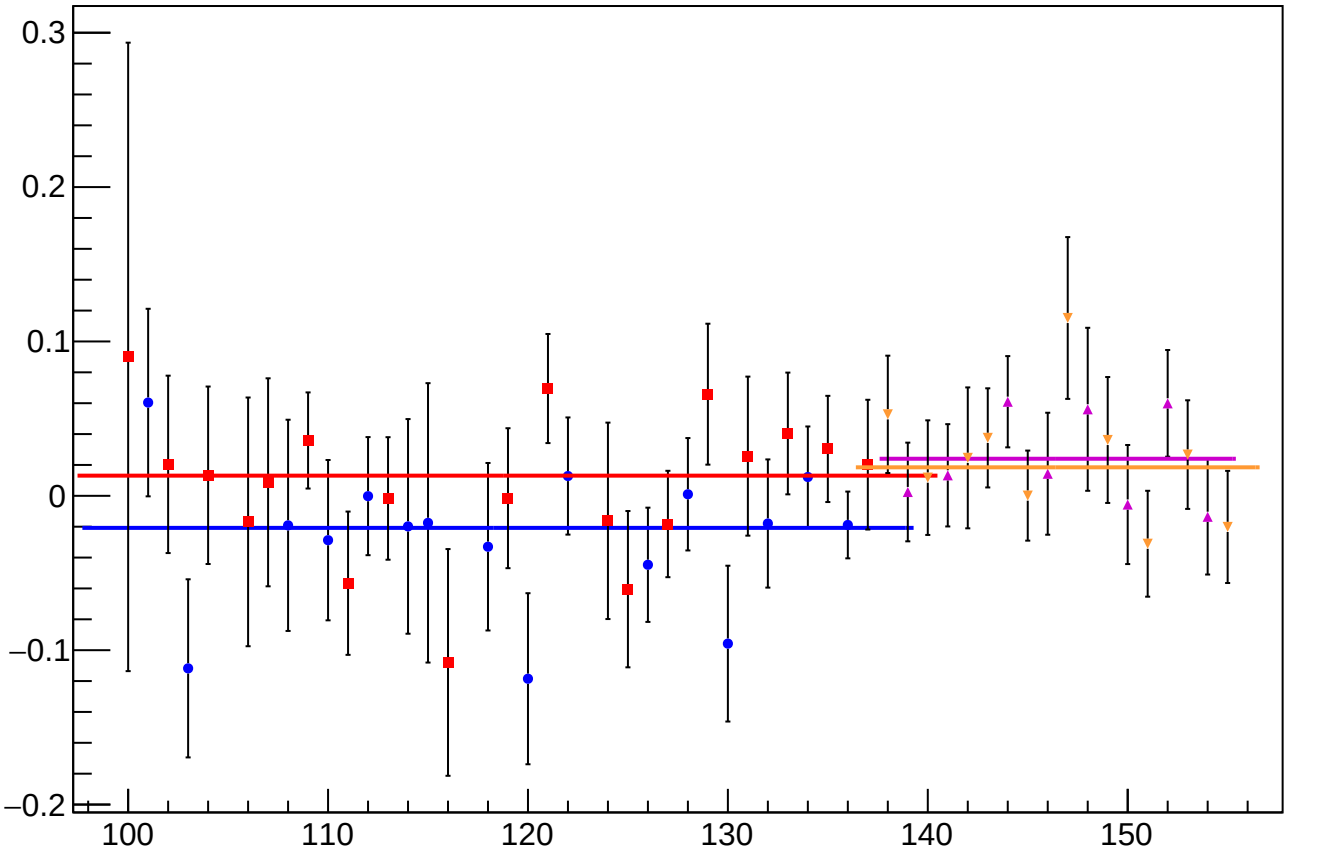
Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4301974.9/7

+ sign 0.001+/-0.000 χ^2/NDF: 7605145.8/25

All: 0.001+/-0.000 χ^2/NDF: 13791392.8/52

- sign 0.001+/-0.000 χ^2/NDF: 6181060.5/26



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.012 χ^2/NDF:8.5/9

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

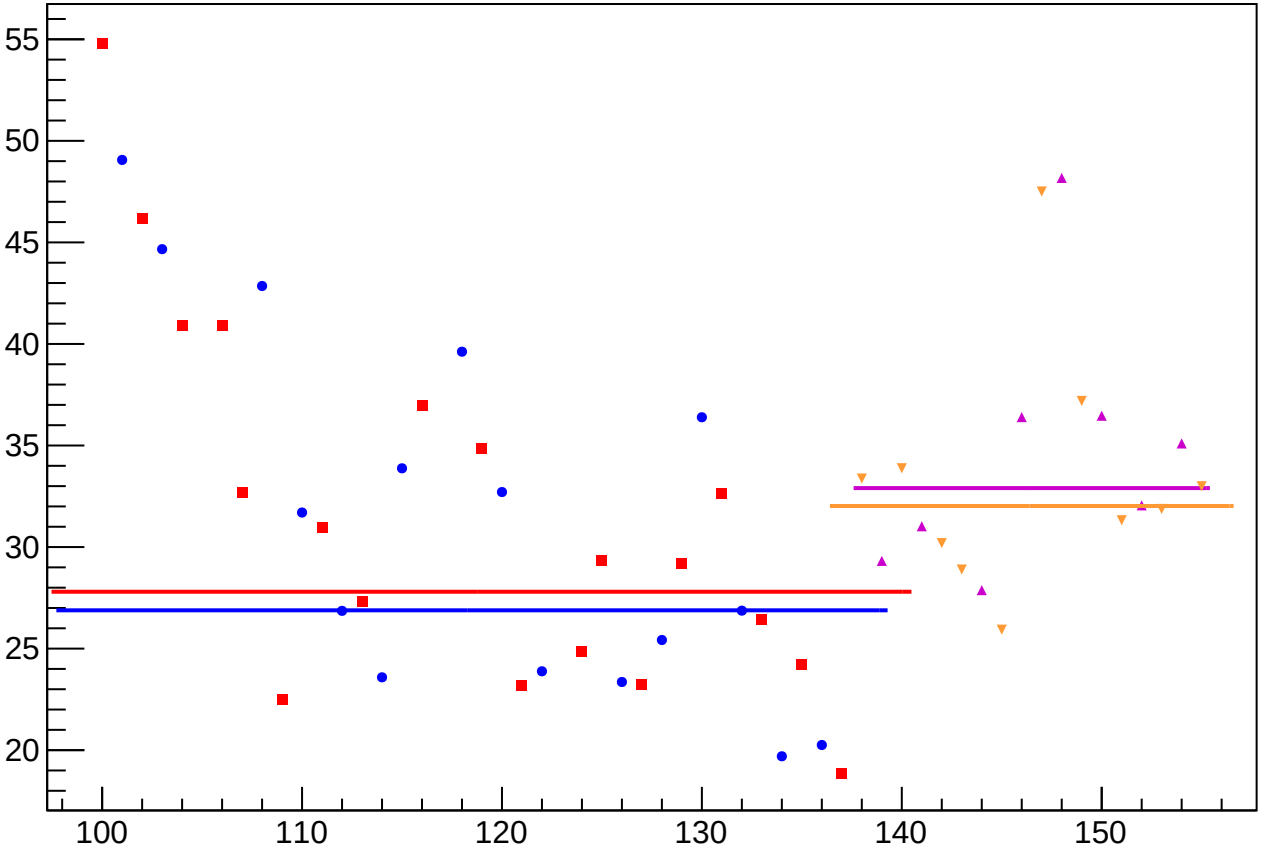
Left In: 0.024+/-0.013 χ^2/NDF:5.2/7

+ sign -0.003+/-0.008 χ^2/NDF: 27.3/25

All: 0.007+/-0.006 χ^2/NDF: 50.2/52

- sign 0.018+/-0.008 χ^2/NDF: 19.6/26

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.020+/-0.008 χ^2/NDF:325925.8/9

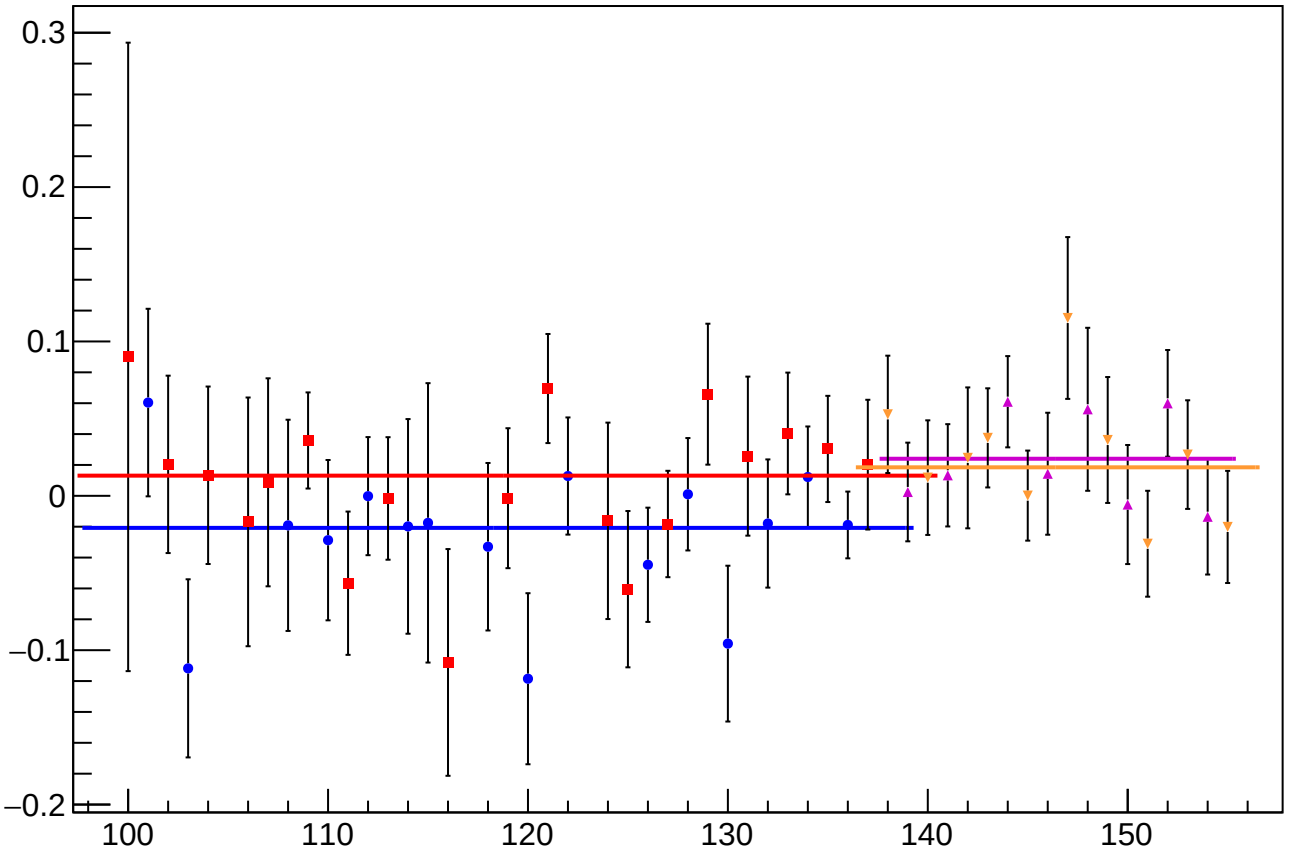
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.903+/-0.009 χ^2/NDF:297554.5/7

+ sign 29.198+/-0.006 χ^2/NDF: 1661616.2/25

All: 29.532+/-0.004 χ^2/NDF: 2922256.7/52

- sign 29.893+/-0.006 χ^2/NDF: 1252985.0/26



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.012 χ^2/NDF:8.5/9

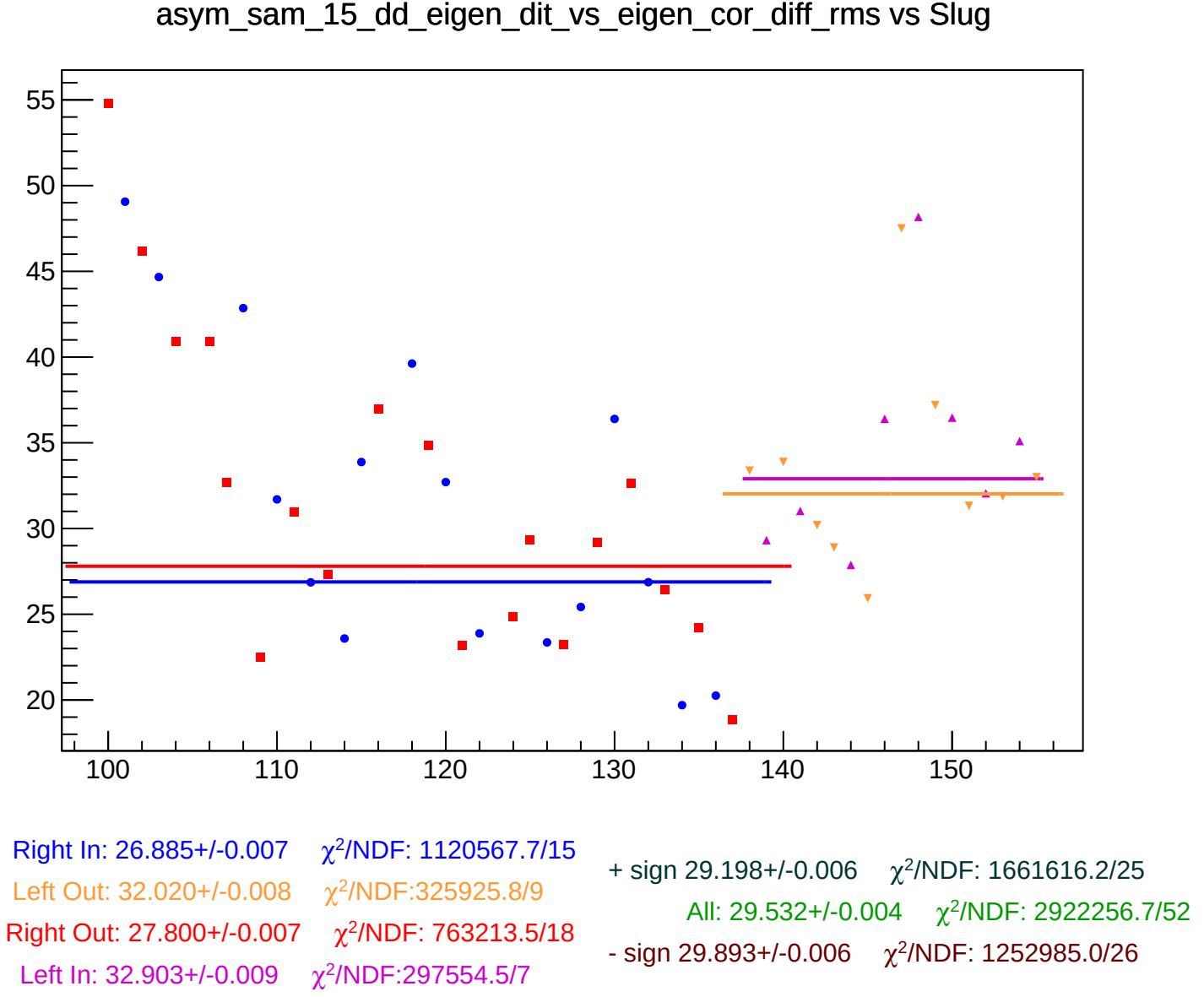
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.024+/-0.013 χ^2/NDF:5.2/7

+ sign -0.003+/-0.008 χ^2/NDF: 27.3/25

All: 0.007+/-0.006 χ^2/NDF: 50.2/52

- sign 0.018+/-0.008 χ^2/NDF: 19.6/26


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
55
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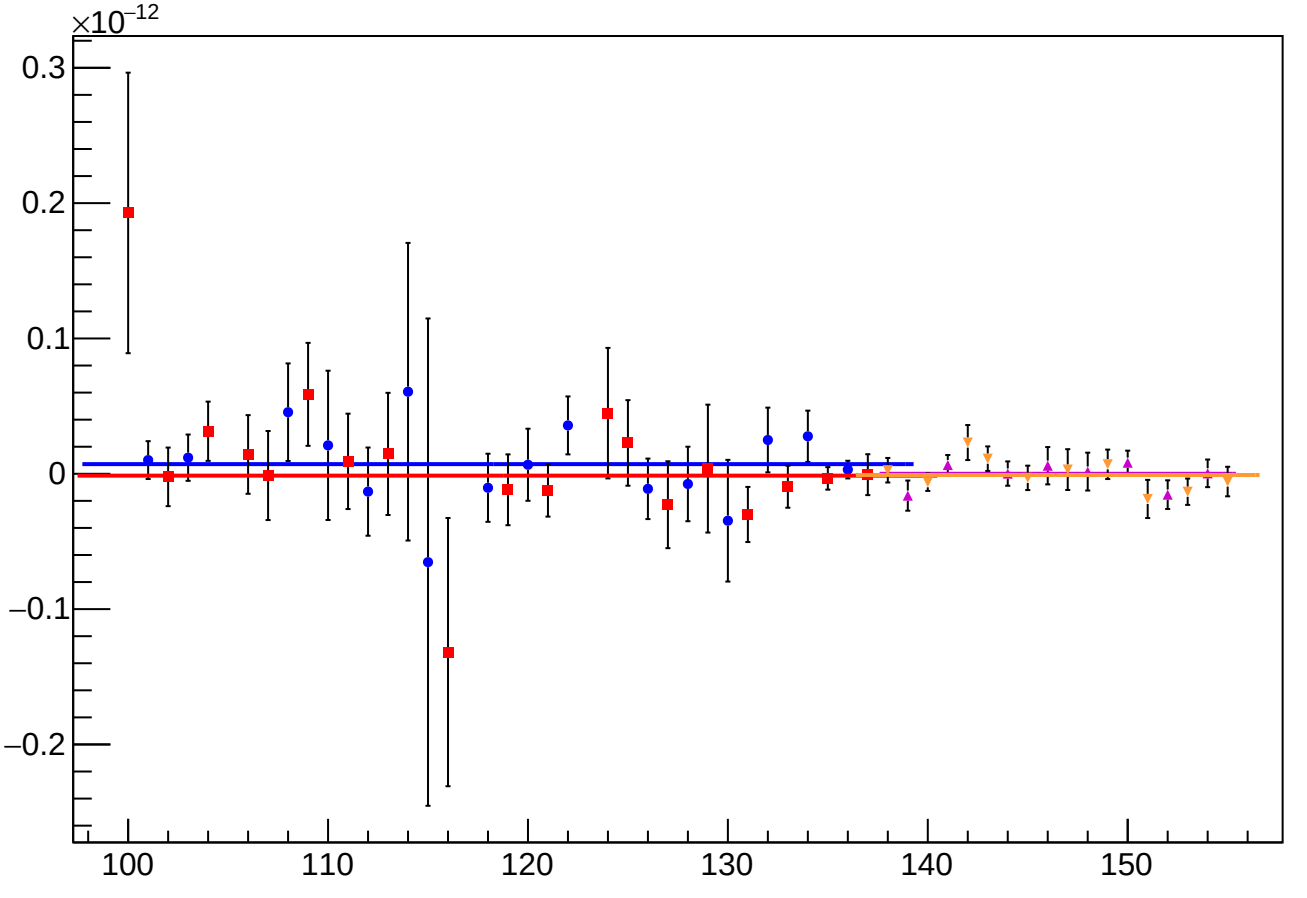
110
120
130
140
150
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 32.020+/-0.008 χ²/NDF:325925.8/9
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.903+/-0.009 χ²/NDF:297554.5/7
+ sign 29.198+/-0.006 χ²/NDF: 1661616.2/25
All: 29.532+/-0.004 χ²/NDF: 2922256.7/52
- sign 29.893+/-0.006 χ²/NDF: 1252985.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/9

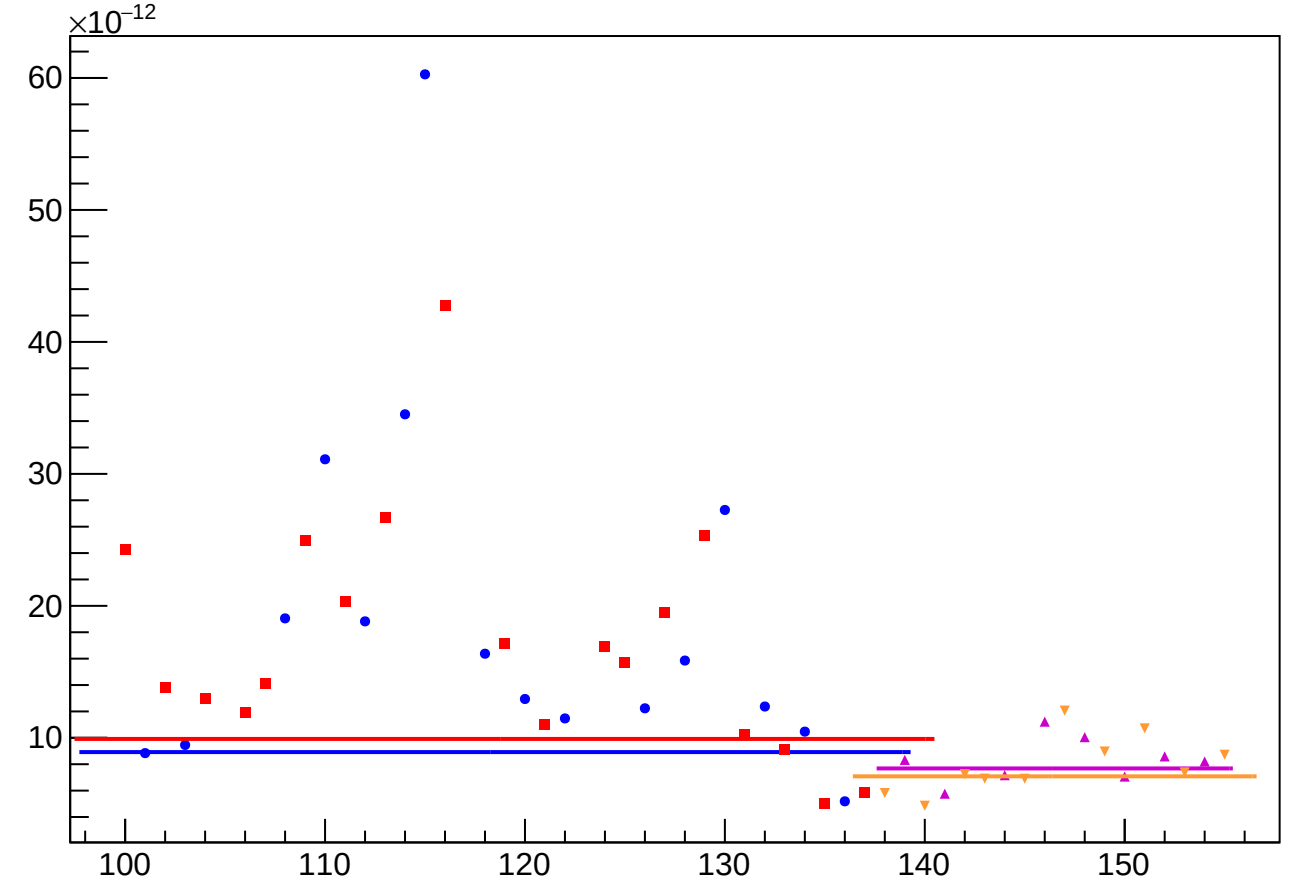
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 20.5/25

All: 0.000+/-0.000 χ^2/NDF: 42.1/52

- sign -0.000+/-0.000 χ^2/NDF: 21.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:740260.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

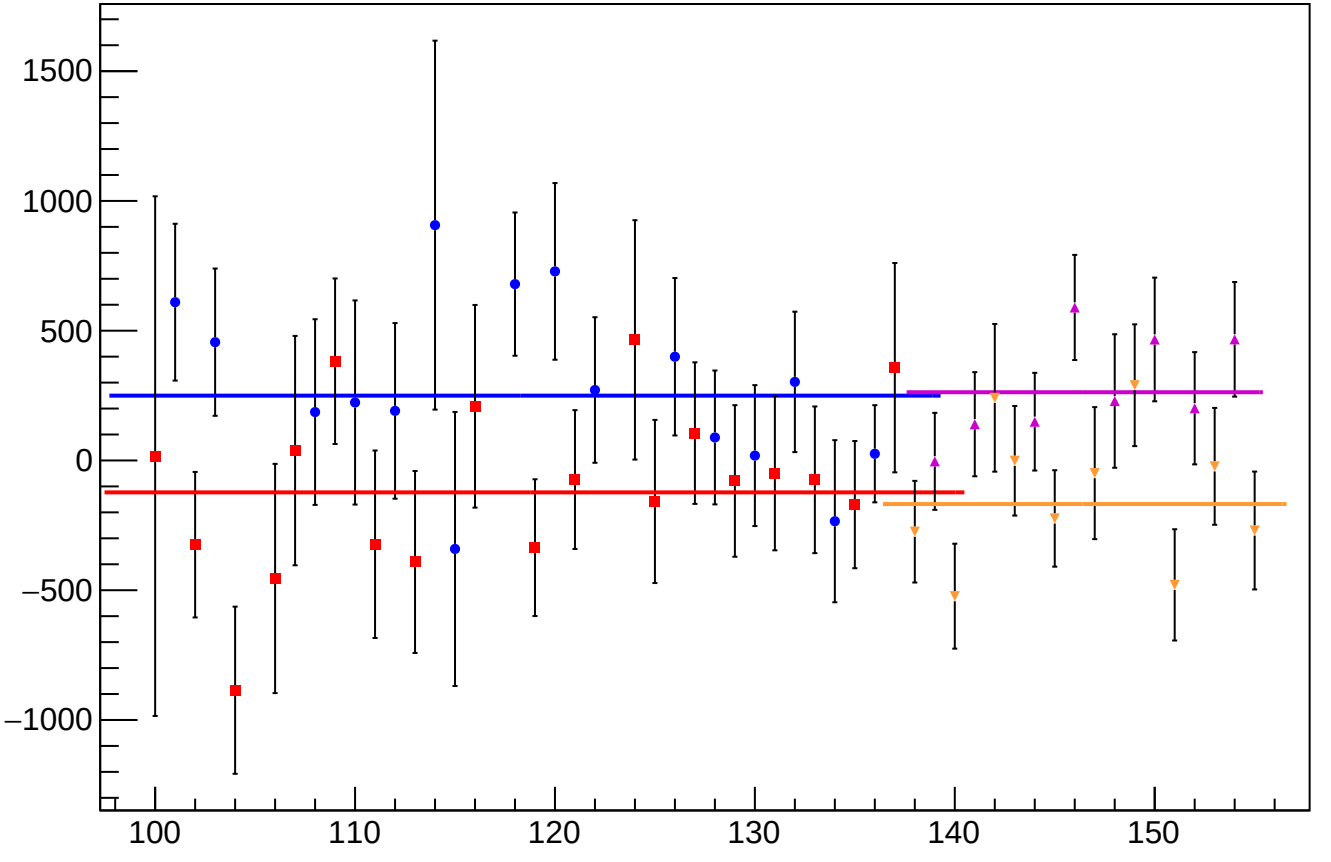
Left In: 0.000+/-0.000 χ^2/NDF:366624.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 3363676.2/25

All: 0.000+/-0.000 χ^2/NDF: 6751264.5/52

- sign 0.000+/-0.000 χ^2/NDF: 3307128.6/26

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -168.000+/-69.208 χ^2/NDF:12.9/9

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

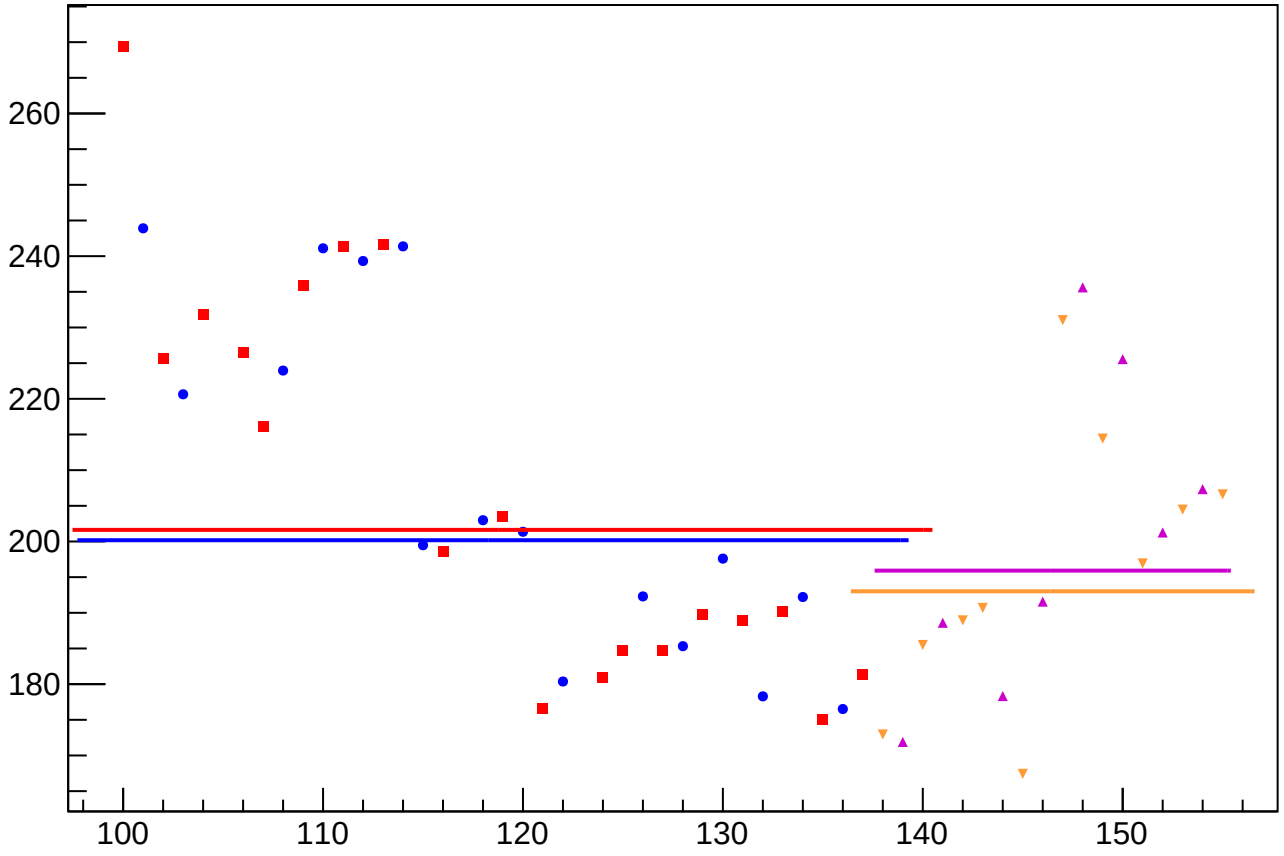
Left In: 262.888+/-74.391 χ^2/NDF:7.1/7

+ sign 24.469+/-50.824 χ^2/NDF: 43.5/25

All: 46.402+/-36.548 χ^2/NDF: 79.9/52

- sign 69.891+/-52.595 χ^2/NDF: 36.1/26

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 193.015+/-0.049 χ^2/NDF:136685.1/9

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

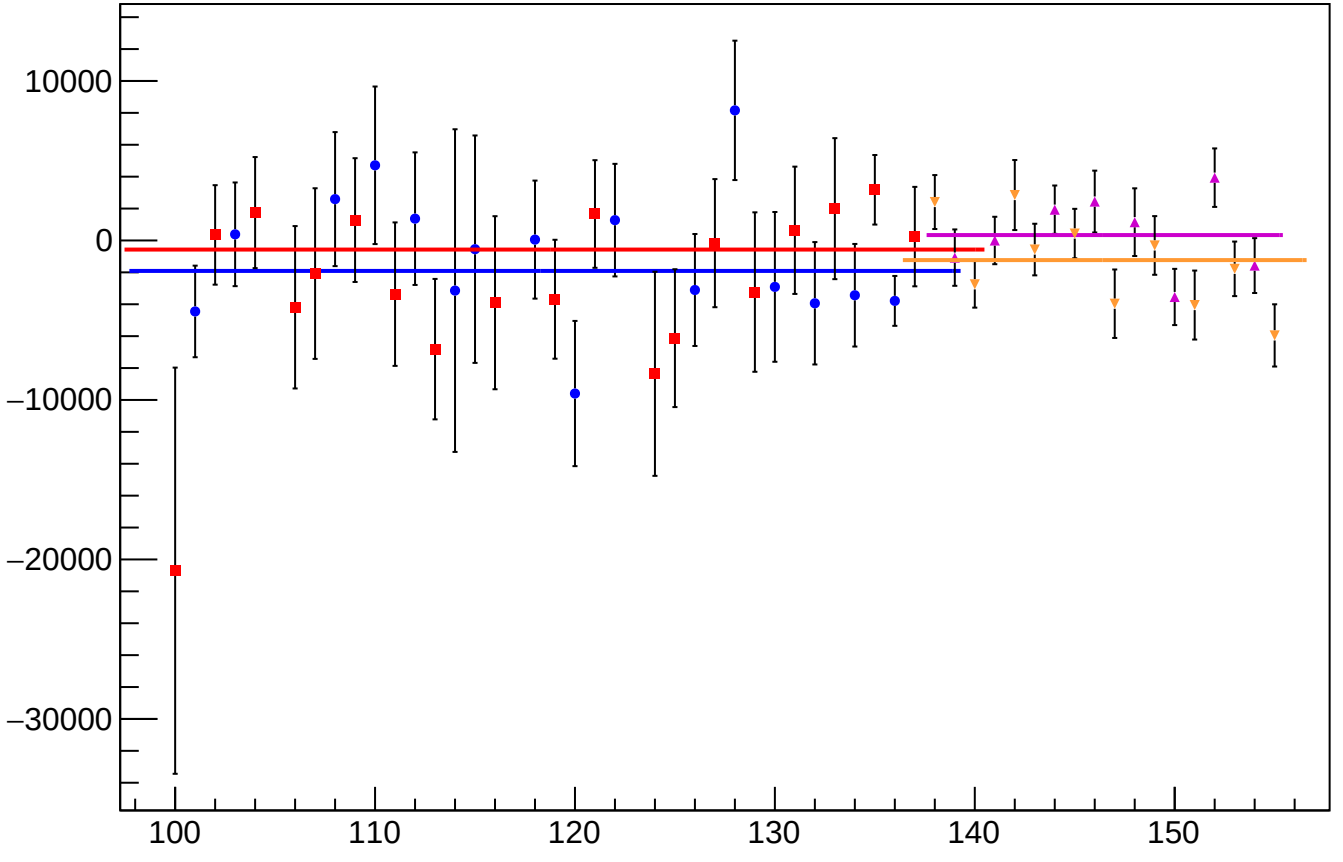
Left In: 195.915+/-0.053 χ^2/NDF:139293.9/7

+ sign 196.314+/-0.036 χ^2/NDF: 327554.7/25

All: 197.501+/-0.026 χ^2/NDF: 672249.5/52

- sign 198.772+/-0.037 χ^2/NDF: 342436.5/26

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -1231.473+/-562.949 χ^2/NDF:20.0/9

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

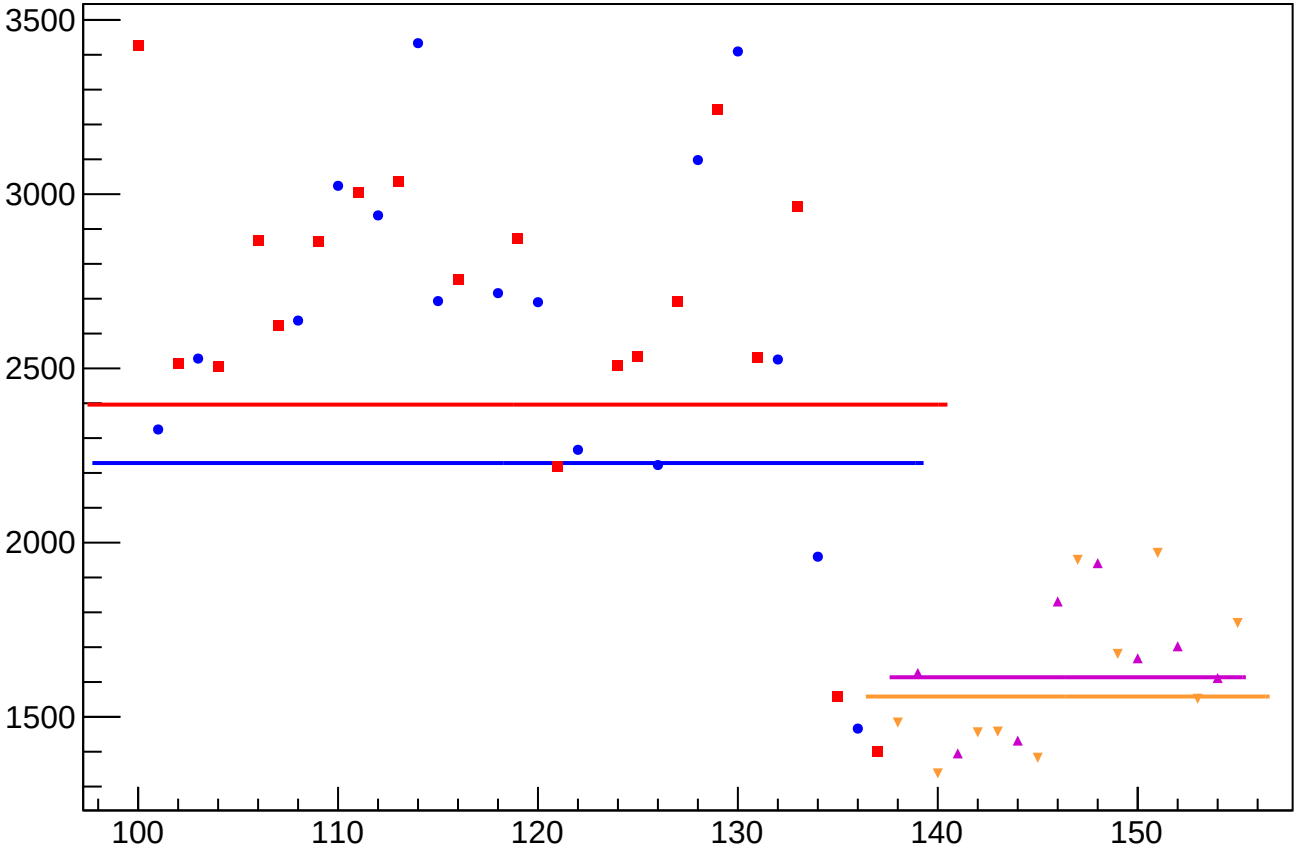
Left In: 338.272+/-613.932 χ^2/NDF:13.1/7

+ sign -1435.412+/-470.860 χ^2/NDF: 36.7/25

All: -748.013+/-345.097 χ^2/NDF: 69.7/52

- sign 49.742+/-507.250 χ^2/NDF: 28.4/26

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1558.387+/-0.398 χ^2/NDF:259089.5/9

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

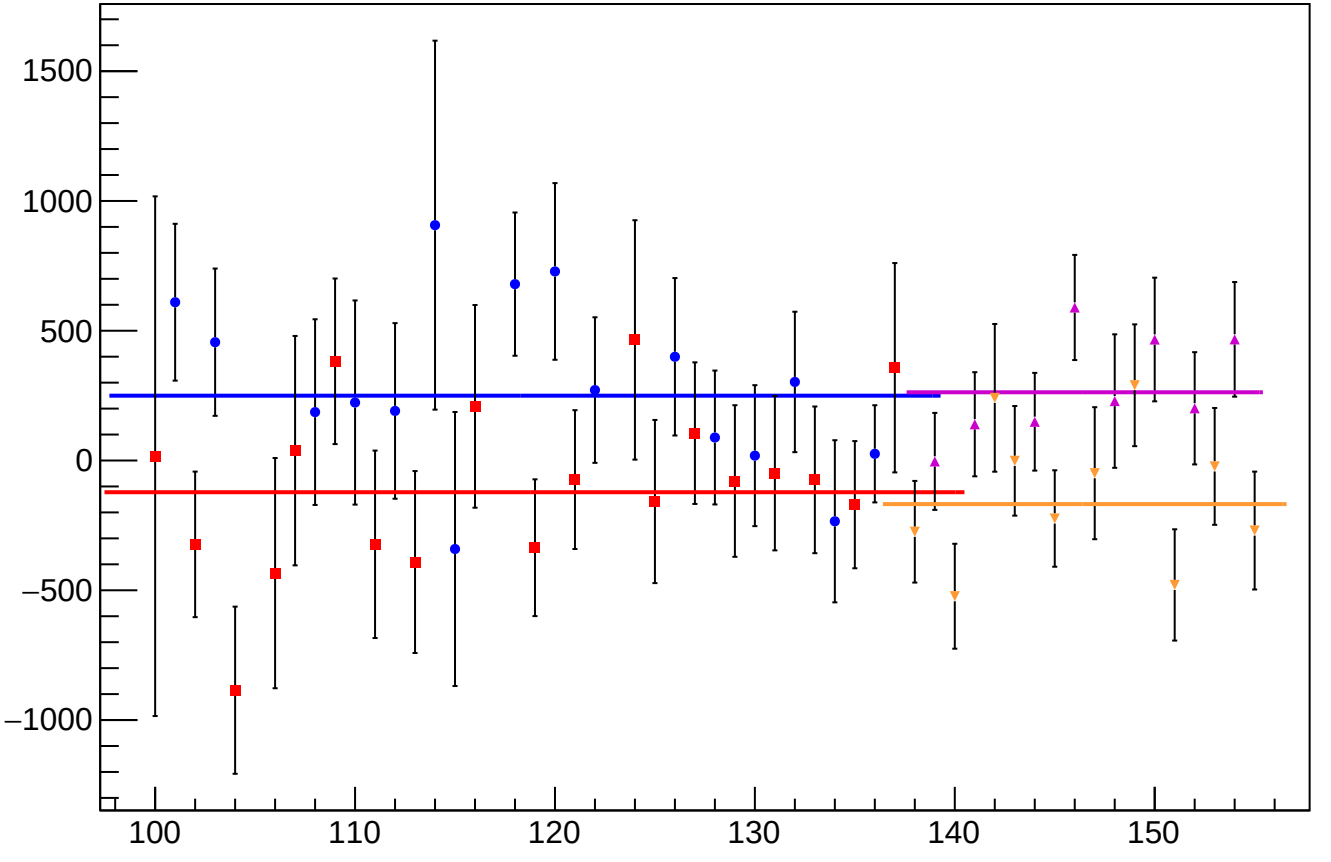
Left In: 1613.686+/-0.434 χ^2/NDF:151416.0/7

+ sign 1759.673+/-0.333 χ^2/NDF: 2057897.0/25

All: 1807.021+/-0.244 χ^2/NDF: 4083226.6/52

- sign 1861.970+/-0.359 χ^2/NDF: 1981636.4/26

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -167.998+/-69.208 χ^2/NDF:12.9/9

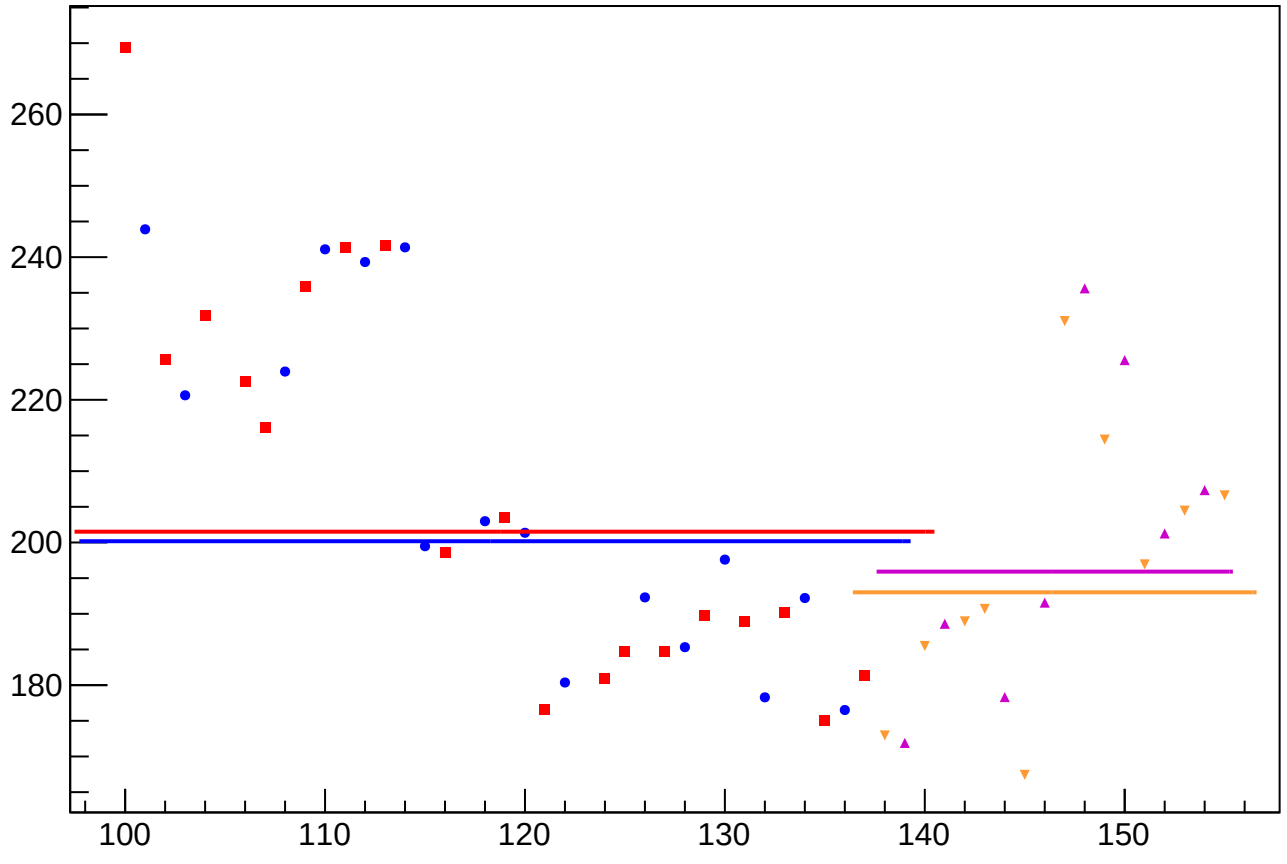
Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: 262.887+/-74.391 χ^2/NDF:7.1/7

+ sign 24.471+/-50.824 χ^2/NDF: 43.5/25

All: 46.604+/-36.549 χ^2/NDF: 79.8/52

- sign 70.309+/-52.599 χ^2/NDF: 35.9/26



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 193.015+/-0.049 χ^2/NDF:136685.1/9

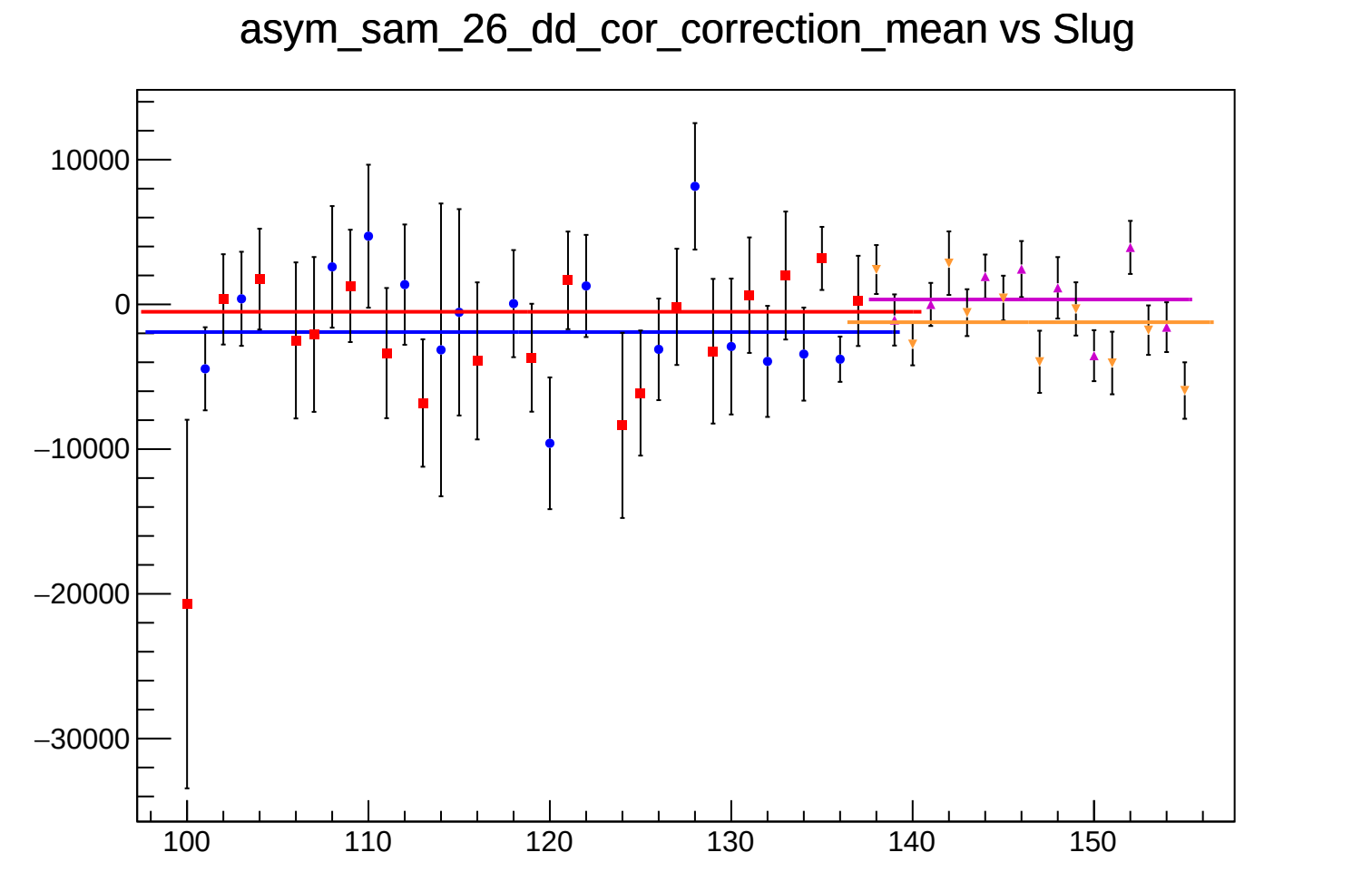
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 195.915+/-0.053 χ^2/NDF:139294.0/7

+ sign 196.314+/-0.036 χ^2/NDF: 327555.1/25

All: 197.474+/-0.026 χ^2/NDF: 670100.7/52

- sign 198.715+/-0.037 χ^2/NDF: 340390.6/26



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1231.476+/-562.949 χ^2/NDF:20.0/9

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

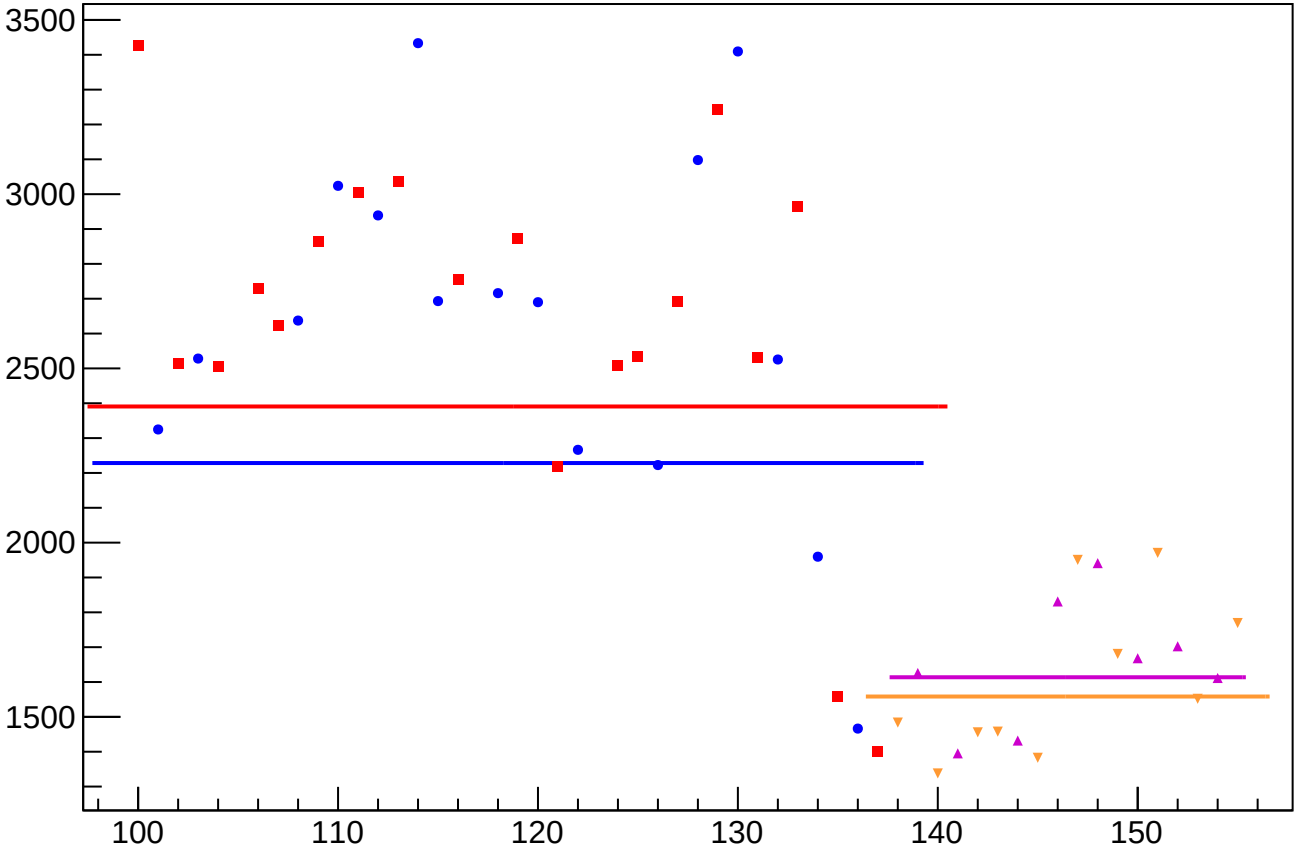
Left In: 338.263+/-613.932 χ^2/NDF:13.1/7

+ sign -1435.401+/-470.860 χ^2/NDF: 36.7/25

All: -739.362+/-345.185 χ^2/NDF: 69.4/52

- sign 69.309+/-507.529 χ^2/NDF: 27.9/26

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1558.387+/-0.398 χ^2/NDF:259090.0/9

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

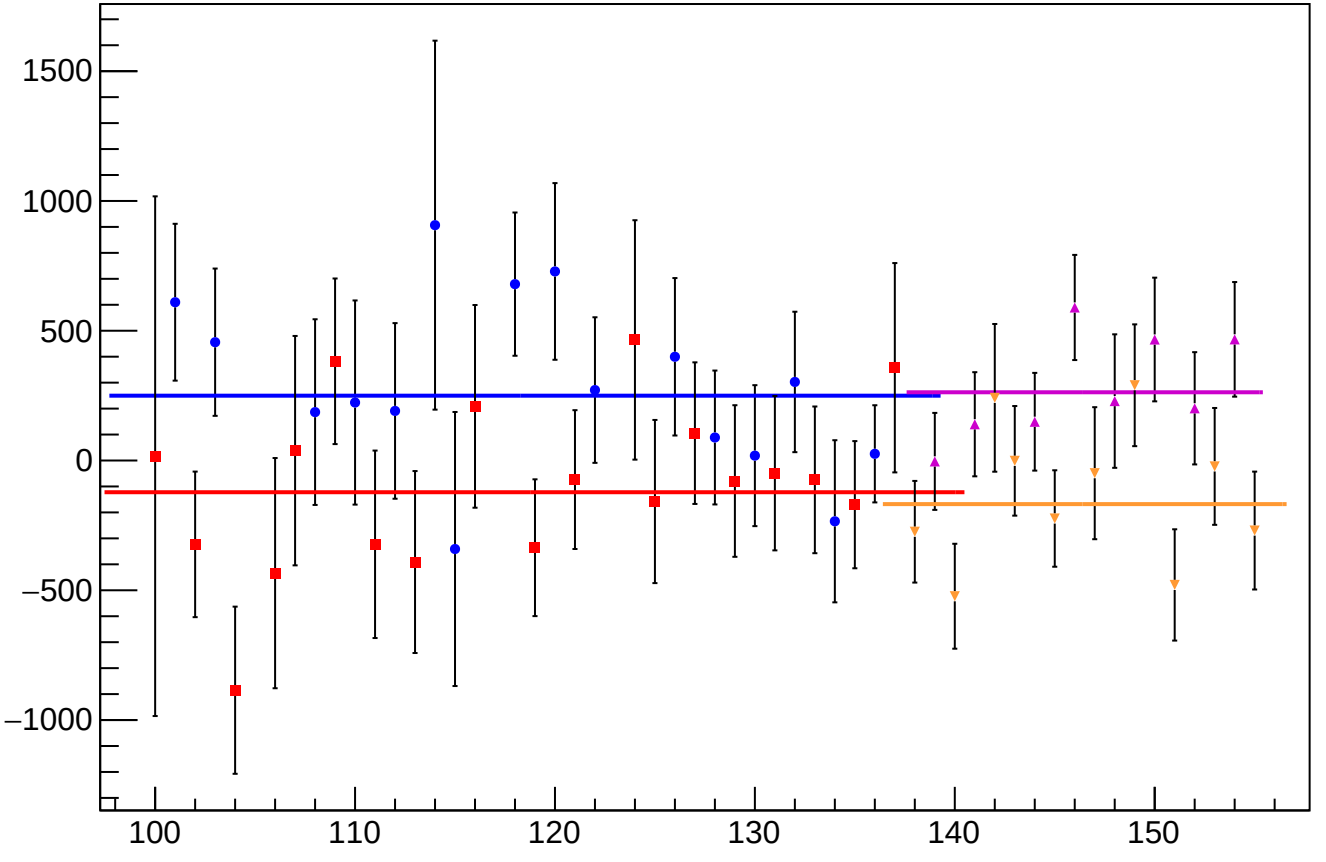
Left In: 1613.686+/-0.434 χ^2/NDF:151416.8/7

+ sign 1759.673+/-0.333 χ^2/NDF: 2057909.5/25

All: 1805.938+/-0.244 χ^2/NDF: 4055397.8/52

- sign 1859.690+/-0.359 χ^2/NDF: 1955746.4/26

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -167.998+/-69.208 χ^2/NDF:12.9/9

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

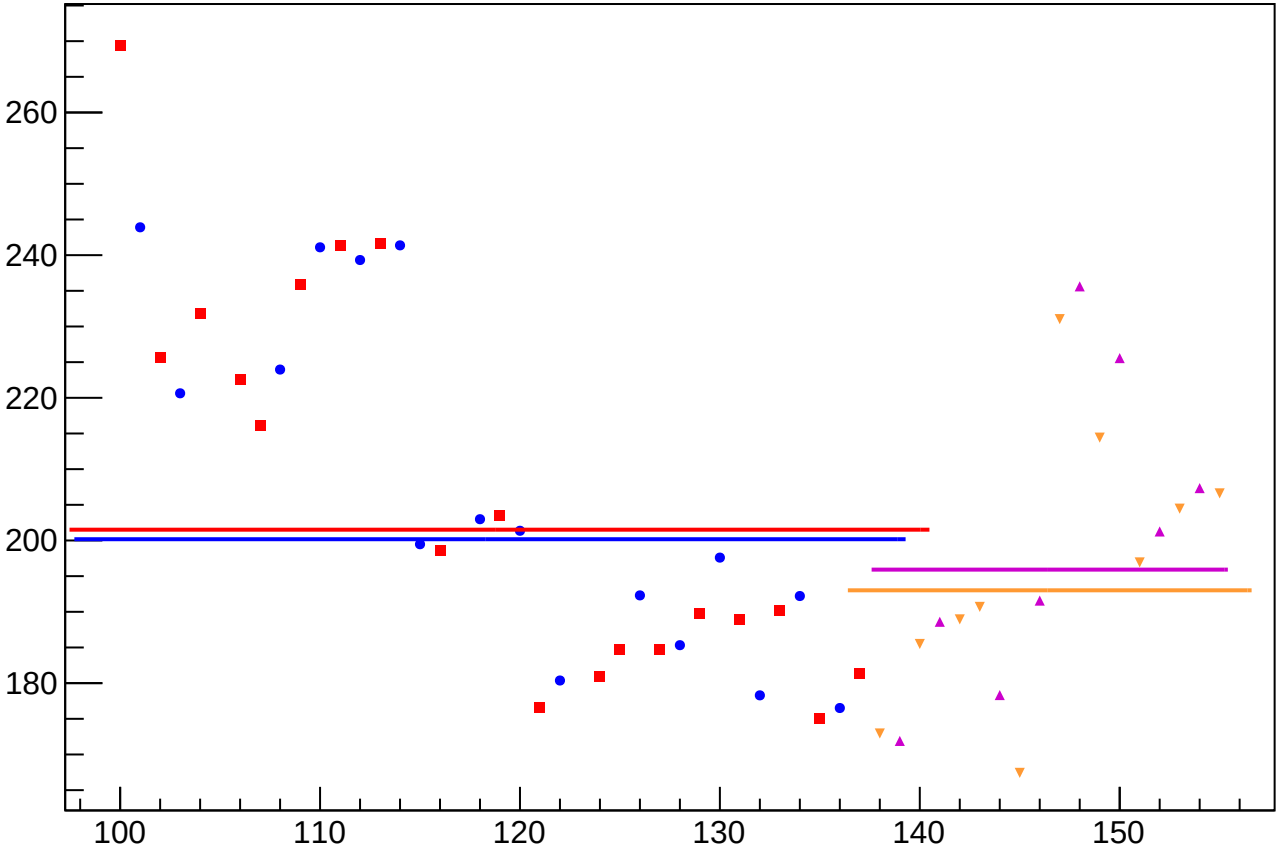
Left In: 262.887+/-74.391 χ^2/NDF:7.1/7

+ sign 24.471+/-50.824 χ^2/NDF: 43.5/25

All: 46.604+/-36.549 χ^2/NDF: 79.8/52

- sign 70.309+/-52.599 χ^2/NDF: 35.9/26

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 193.015+/-0.049 χ^2/NDF:136685.1/9

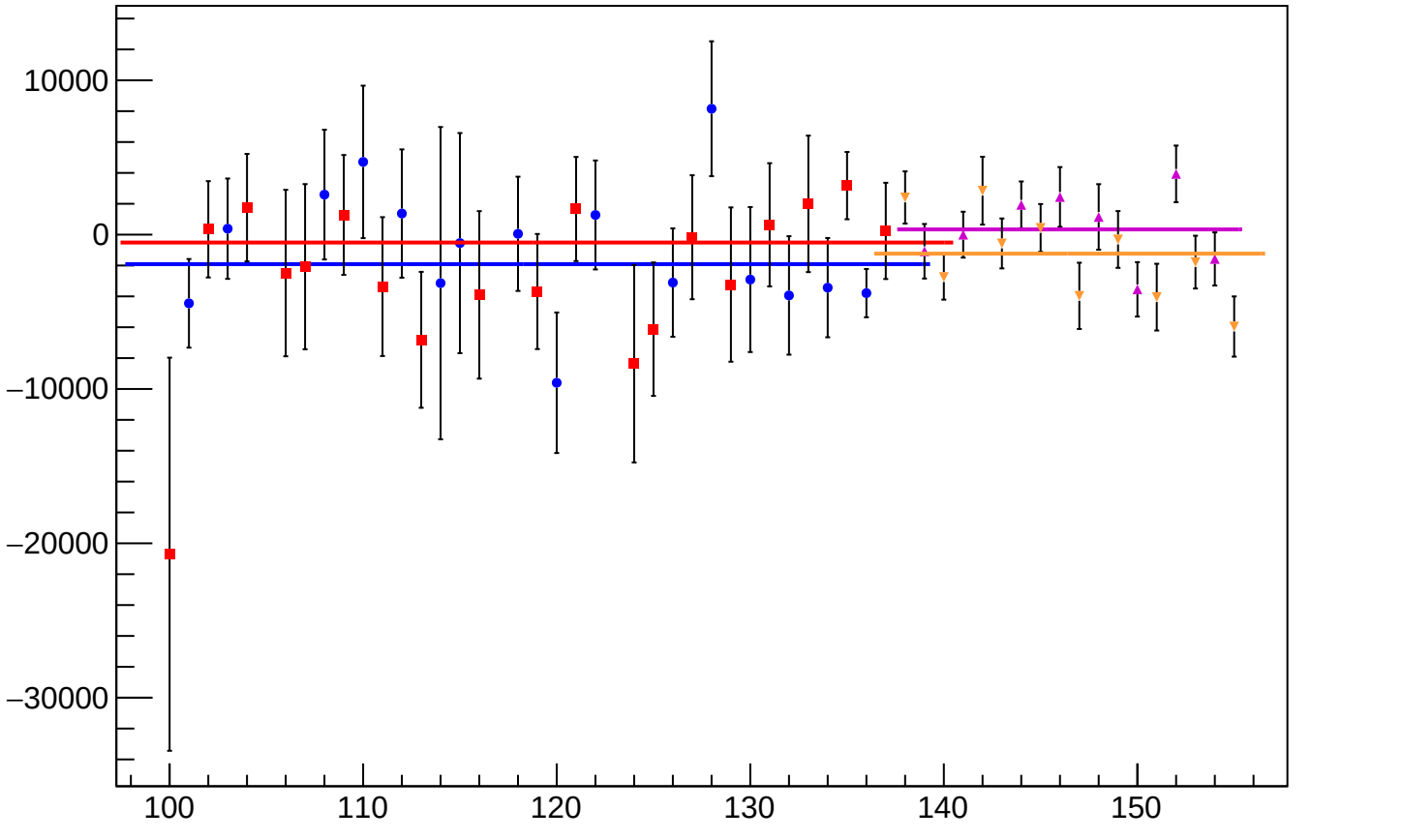
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 195.915+/-0.053 χ^2/NDF:139294.0/7

+ sign 196.314+/-0.036 χ^2/NDF: 327555.1/25

All: 197.474+/-0.026 χ^2/NDF: 670100.7/52

- sign 198.715+/-0.037 χ^2/NDF: 340390.6/26



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1231.476+/-562.949 χ^2/NDF:20.0/9

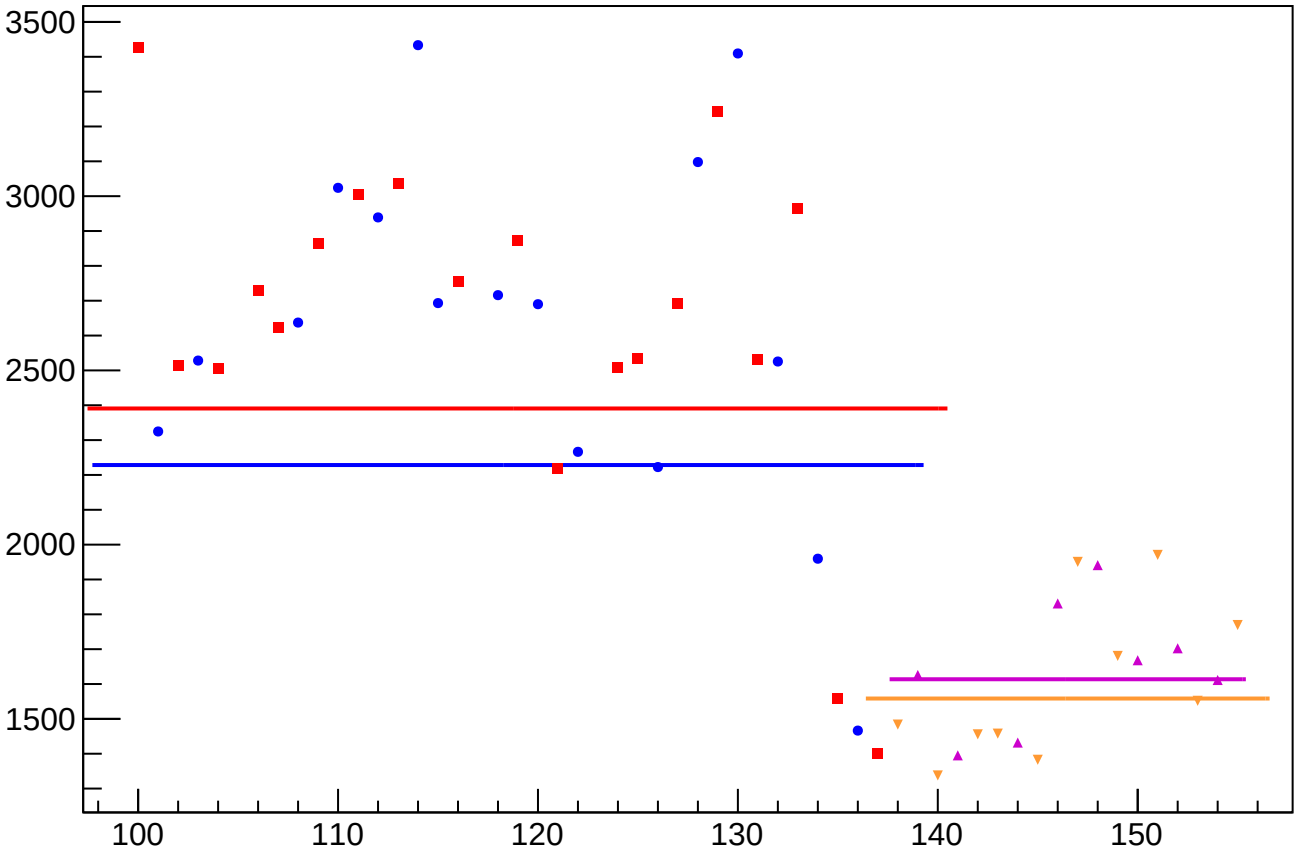
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 338.263+/-613.932 χ^2/NDF:13.1/7

+ sign -1435.401+/-470.860 χ^2/NDF: 36.7/25

All: -739.362+/-345.185 χ^2/NDF: 69.4/52

- sign 69.309+/-507.529 χ^2/NDF: 27.9/26



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1558.387+/-0.398 χ^2/NDF:259090.0/9

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

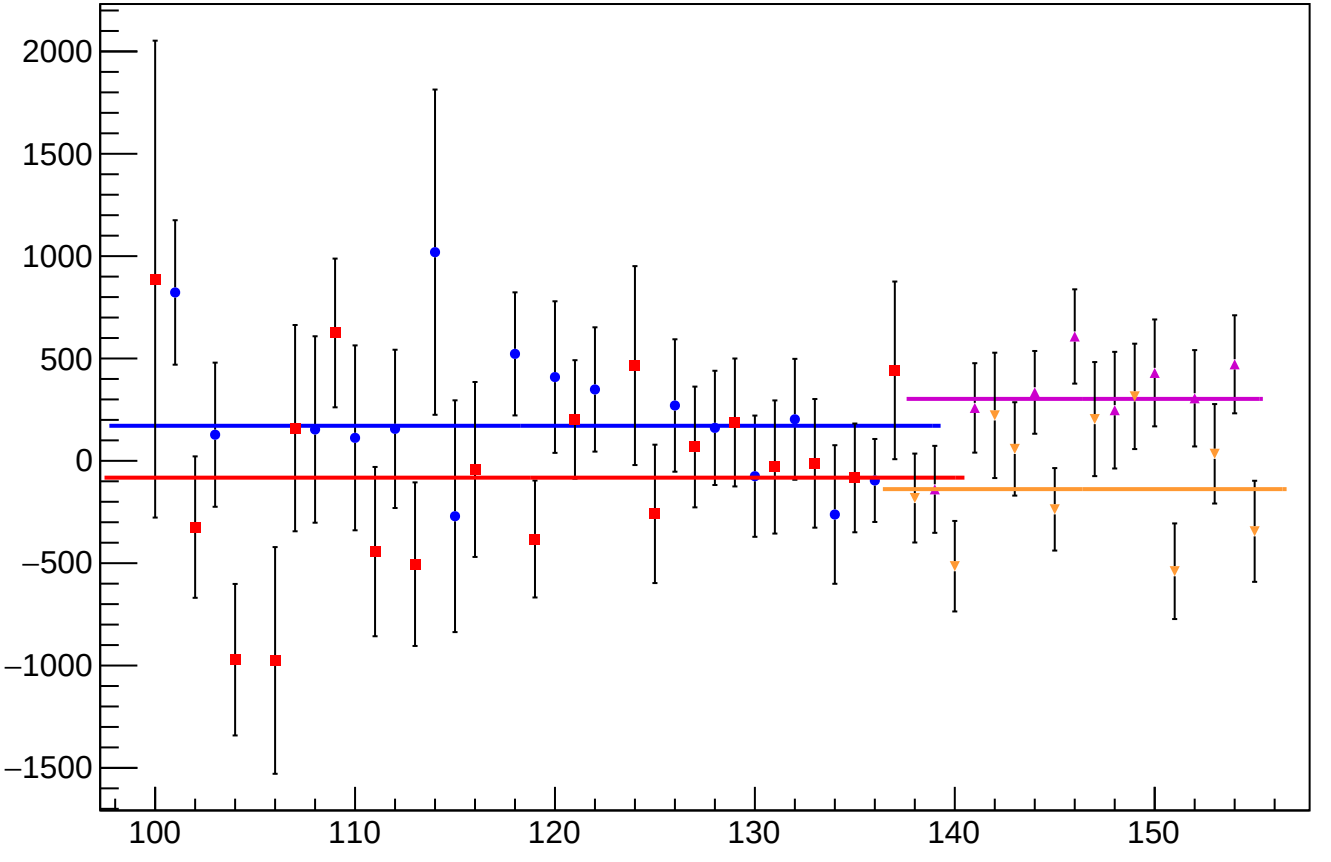
Left In: 1613.686+/-0.434 χ^2/NDF:151416.8/7

+ sign 1759.673+/-0.333 χ^2/NDF: 2057909.5/25

All: 1805.938+/-0.244 χ^2/NDF: 4055397.8/52

- sign 1859.690+/-0.359 χ^2/NDF: 1955746.4/26

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -138.184+/-75.417 χ^2/NDF:14.1/9

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

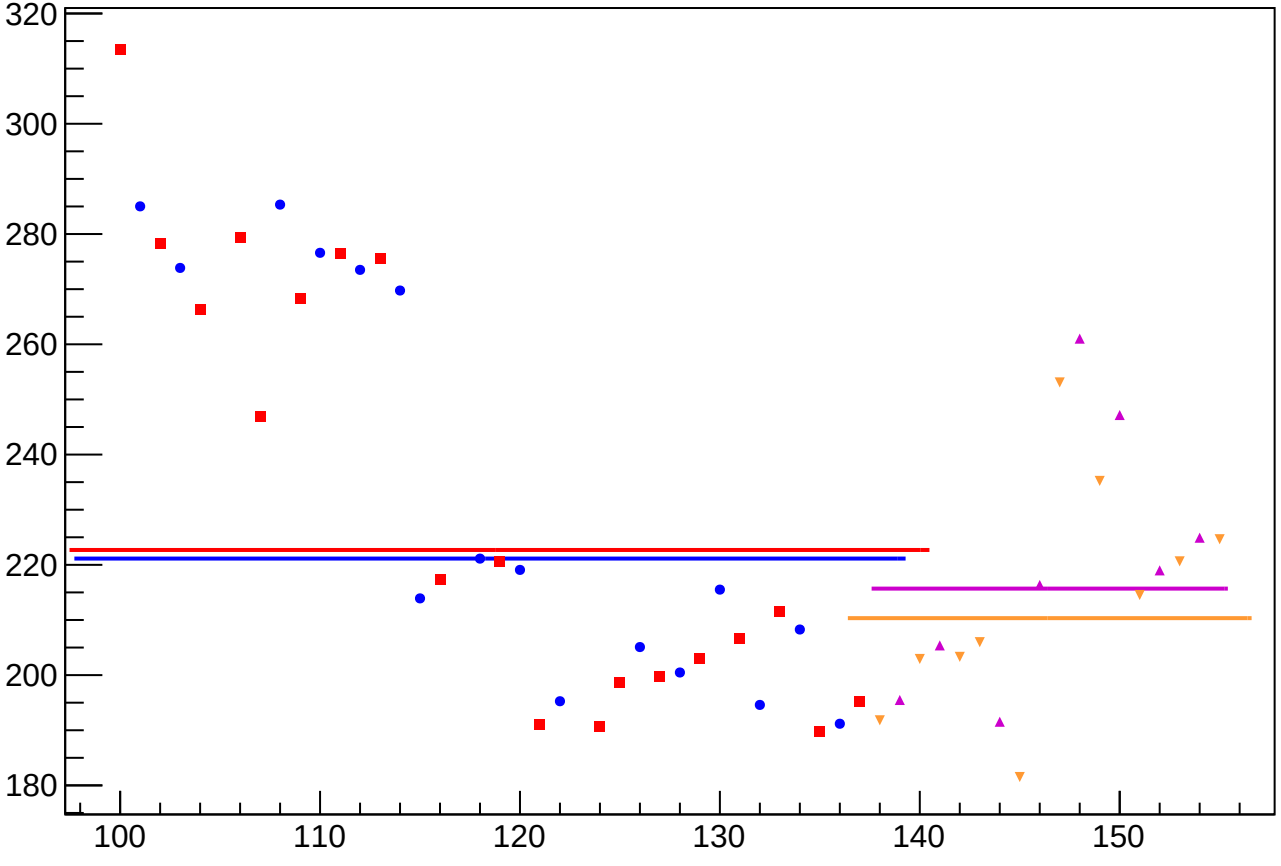
Left In: 302.632+/-81.953 χ^2/NDF:6.9/7

+ sign 1.545+/-55.852 χ^2/NDF: 33.1/25

All: 54.359+/-40.284 χ^2/NDF: 74.5/52

- sign 111.625+/-58.158 χ^2/NDF: 39.5/26

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 210.333+/-0.053 χ^2/NDF:136223.4/9

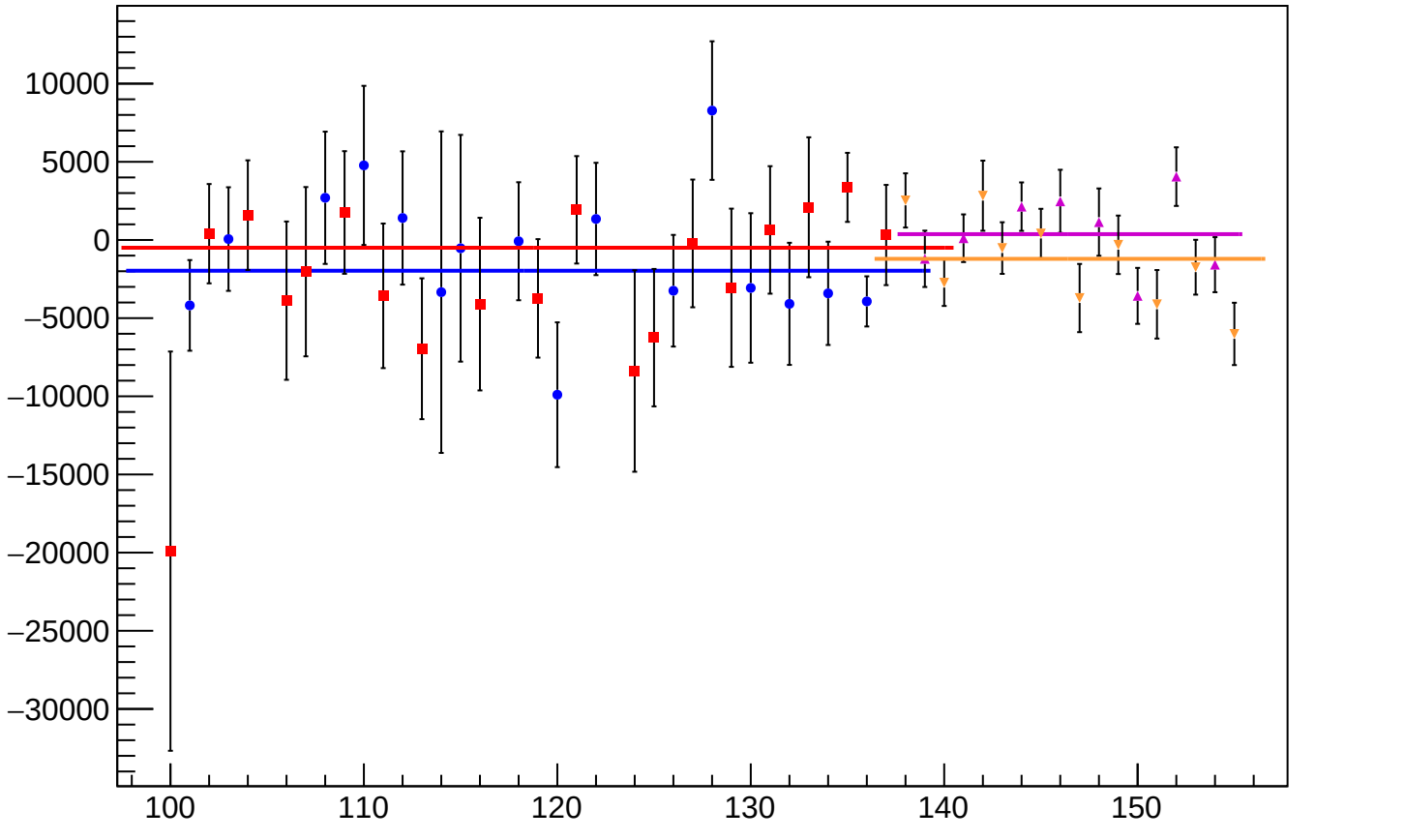
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 215.690+/-0.058 χ^2/NDF:134158.0/7

+ sign 215.212+/-0.039 χ^2/NDF: 473467.1/25

All: 217.110+/-0.028 χ^2/NDF: 946730.1/52

- sign 219.168+/-0.041 χ^2/NDF: 468448.7/26



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -1207.124+/-574.415 χ^2/NDF:19.4/9

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

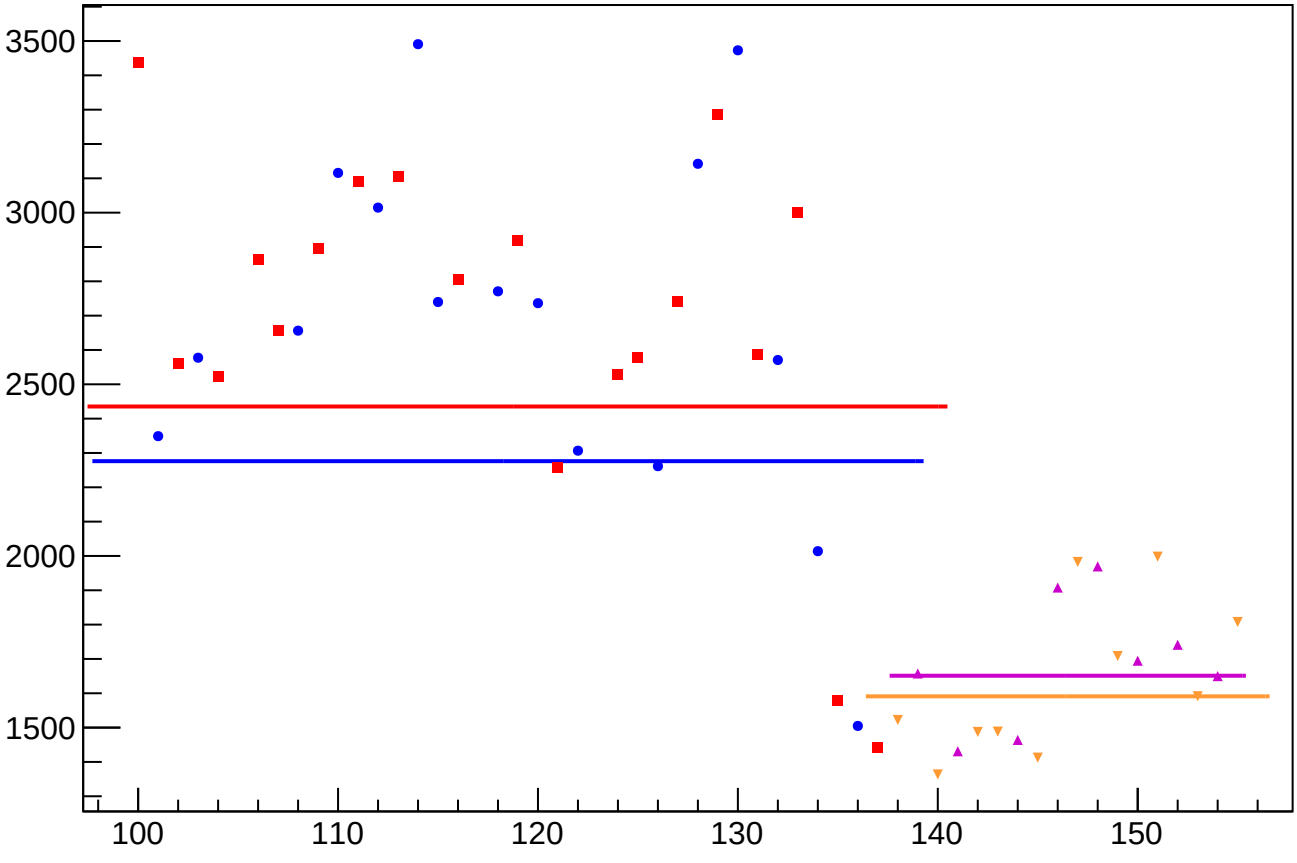
Left In: 373.066+/-628.115 χ^2/NDF:13.2/7

+ sign -1435.511+/-480.454 χ^2/NDF: 36.1/25

All: -727.805+/-352.196 χ^2/NDF: 69.4/52

- sign 94.195+/-517.799 χ^2/NDF: 28.6/26

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1591.027+/-0.406 χ^2/NDF:252199.9/9

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

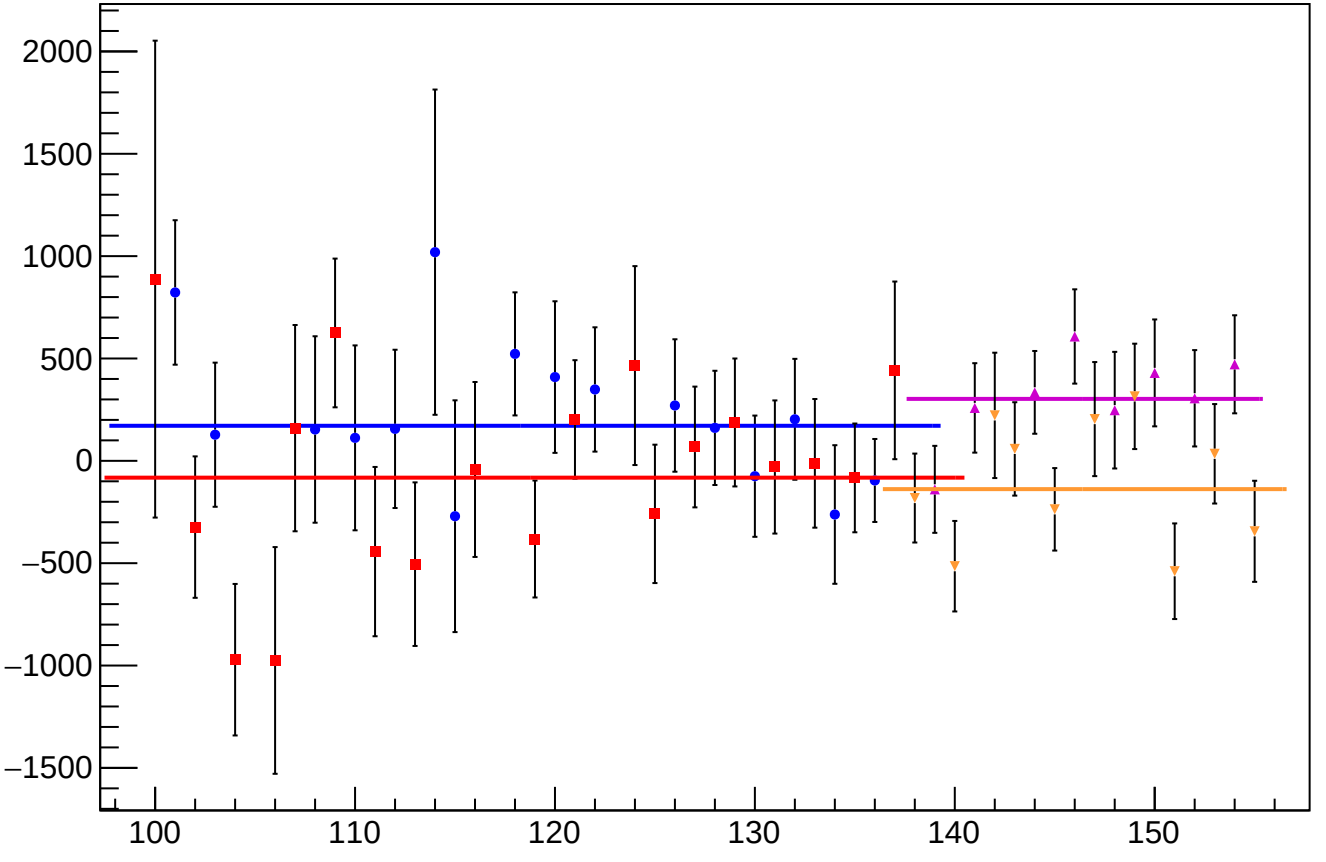
Left In: 1651.097+/-0.444 χ^2/NDF:152760.5/7

+ sign 1796.830+/-0.340 χ^2/NDF: 2033831.5/25

All: 1845.663+/-0.249 χ^2/NDF: 4021798.8/52

- sign 1902.383+/-0.366 χ^2/NDF: 1943307.6/26

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -138.188+/-75.417 χ^2/NDF:14.1/9

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

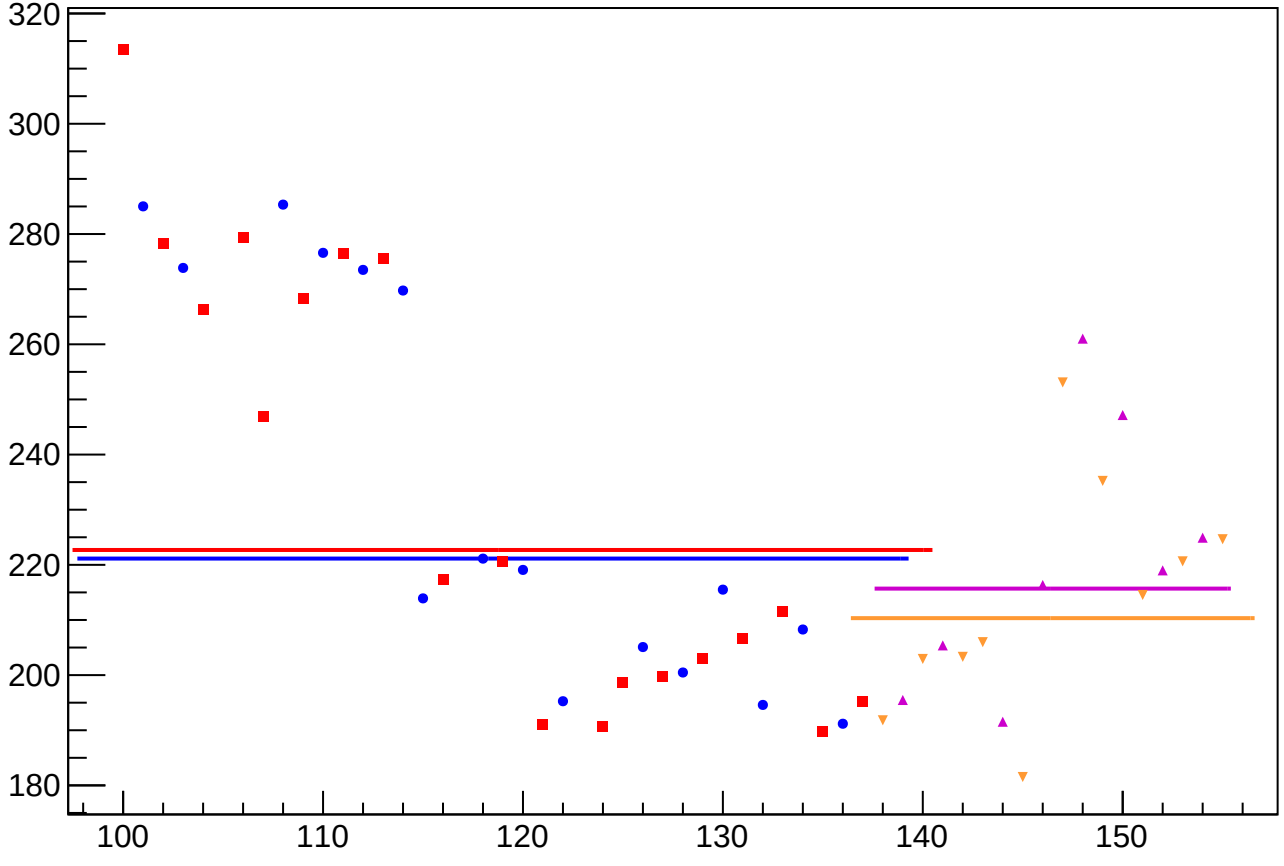
Left In: 302.632+/-81.953 χ^2/NDF:6.9/7

+ sign 1.545+/-55.852 χ^2/NDF: 33.1/25

All: 54.359+/-40.284 χ^2/NDF: 74.5/52

- sign 111.625+/-58.158 χ^2/NDF: 39.5/26

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 210.333+/-0.053 χ^2/NDF:136227.2/9

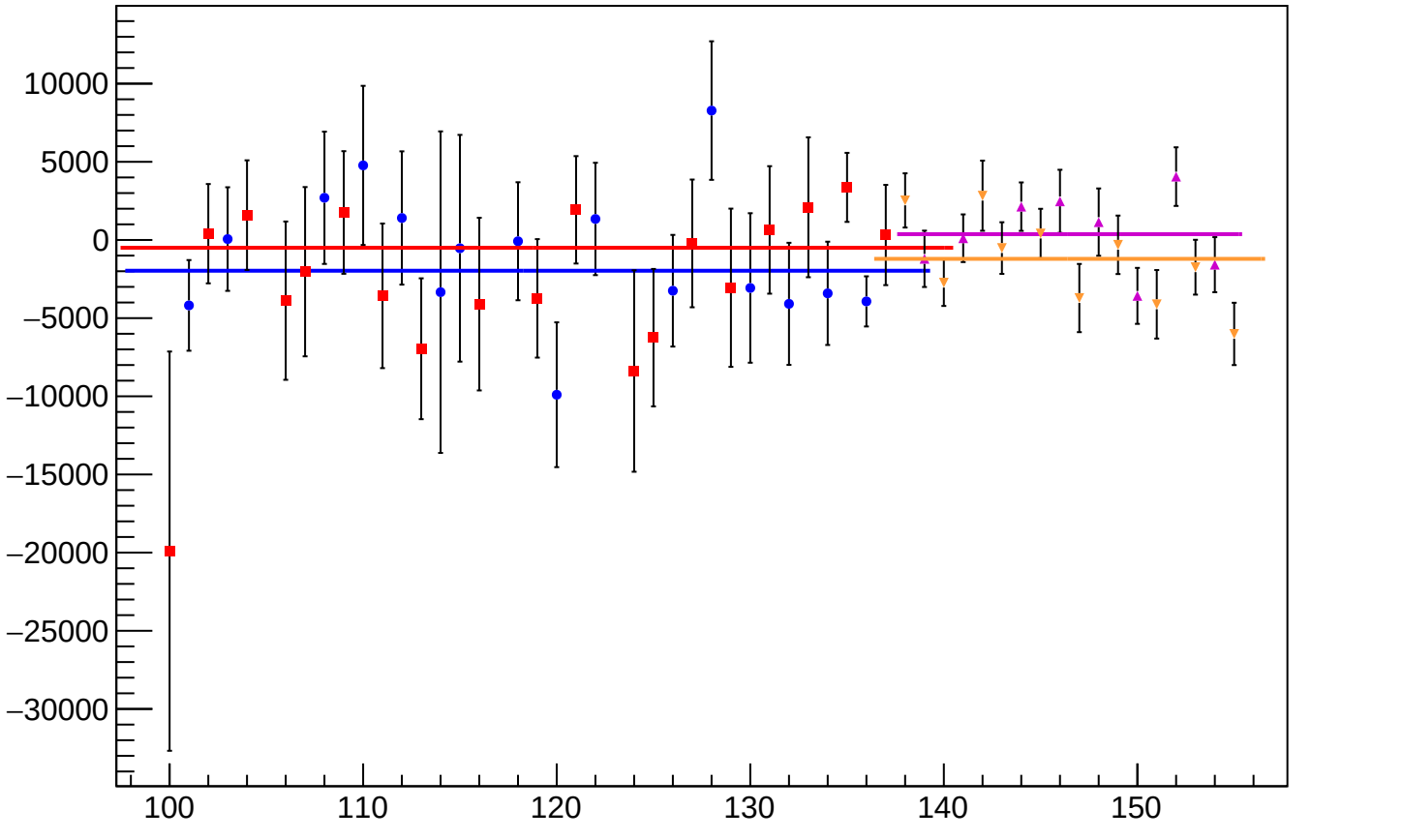
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 215.690+/-0.058 χ^2/NDF:134159.9/7

+ sign 215.212+/-0.039 χ^2/NDF: 473462.4/25

All: 217.110+/-0.028 χ^2/NDF: 946718.8/52

- sign 219.168+/-0.041 χ^2/NDF: 468442.0/26



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -1207.124+/-574.414 χ^2/NDF:19.4/9

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

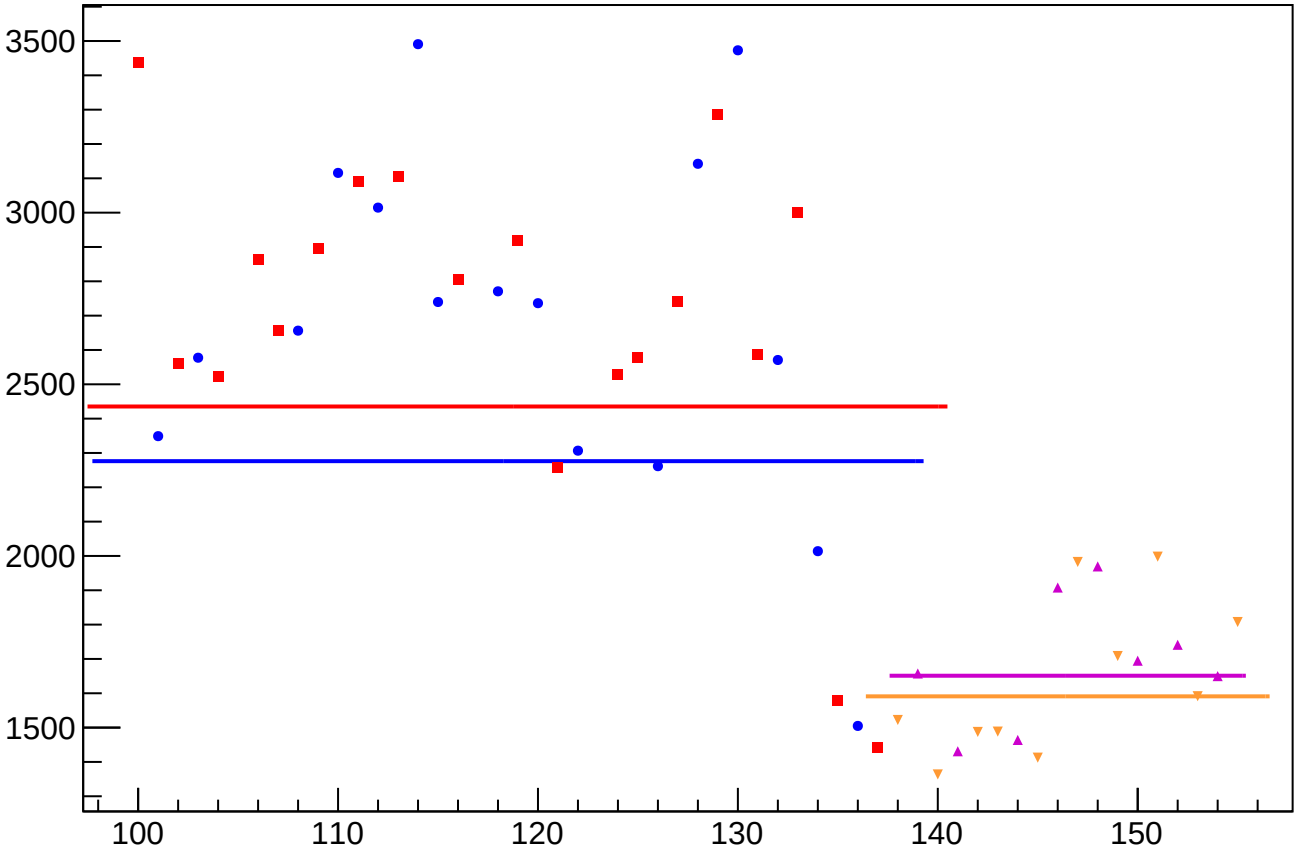
Left In: 373.064+/-628.115 χ^2/NDF:13.2/7

+ sign -1435.510+/-480.454 χ^2/NDF: 36.1/25

All: -727.805+/-352.195 χ^2/NDF: 69.4/52

- sign 94.193+/-517.799 χ^2/NDF: 28.6/26

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1591.027+/-0.406 χ^2/NDF:252202.1/9

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

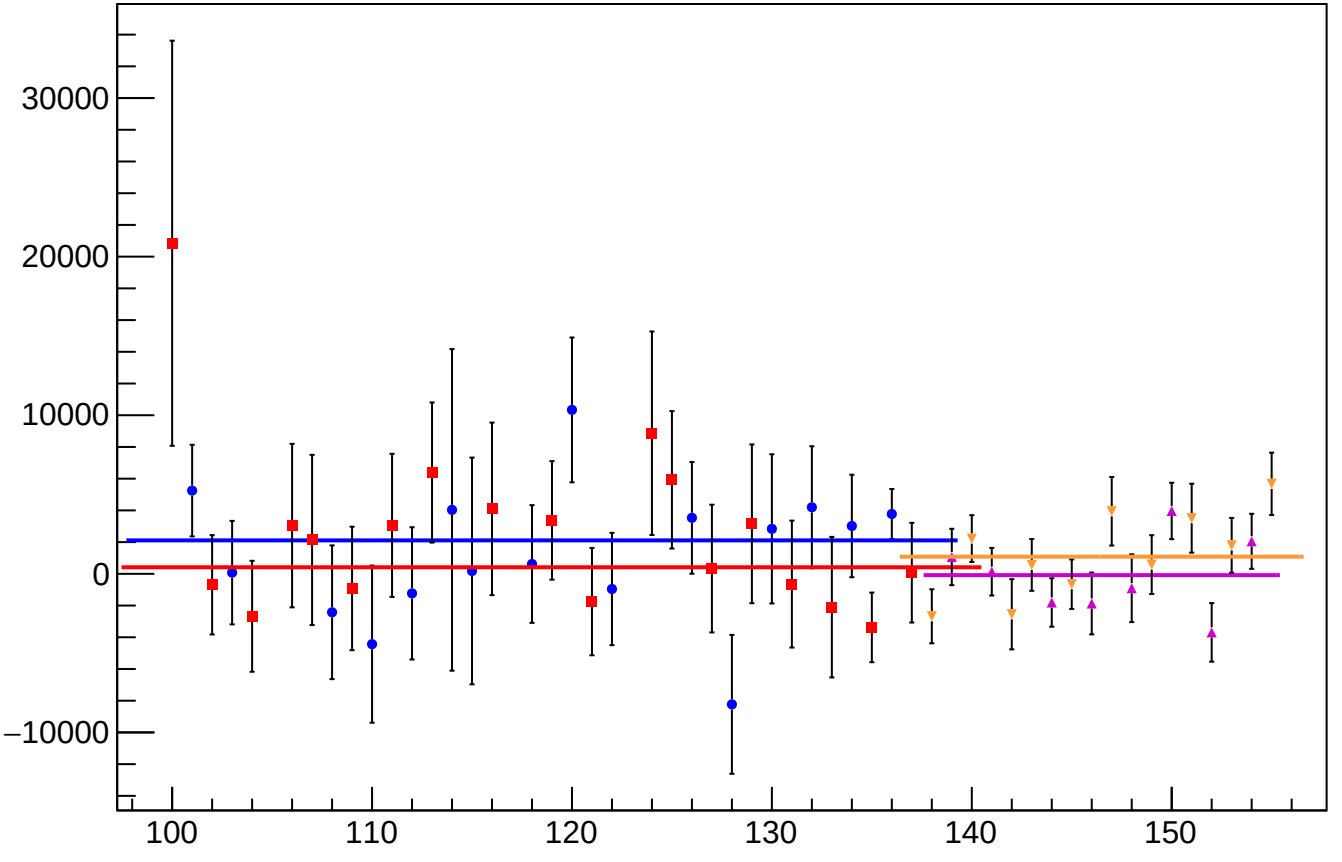
Left In: 1651.097+/-0.444 χ^2/NDF:152760.3/7

+ sign 1796.829+/-0.340 χ^2/NDF: 2033821.2/25

All: 1845.662+/-0.249 χ^2/NDF: 4021776.3/52

- sign 1902.382+/-0.366 χ^2/NDF: 1943295.2/26

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 1079.660+/-567.430 χ^2/NDF:18.2/9

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

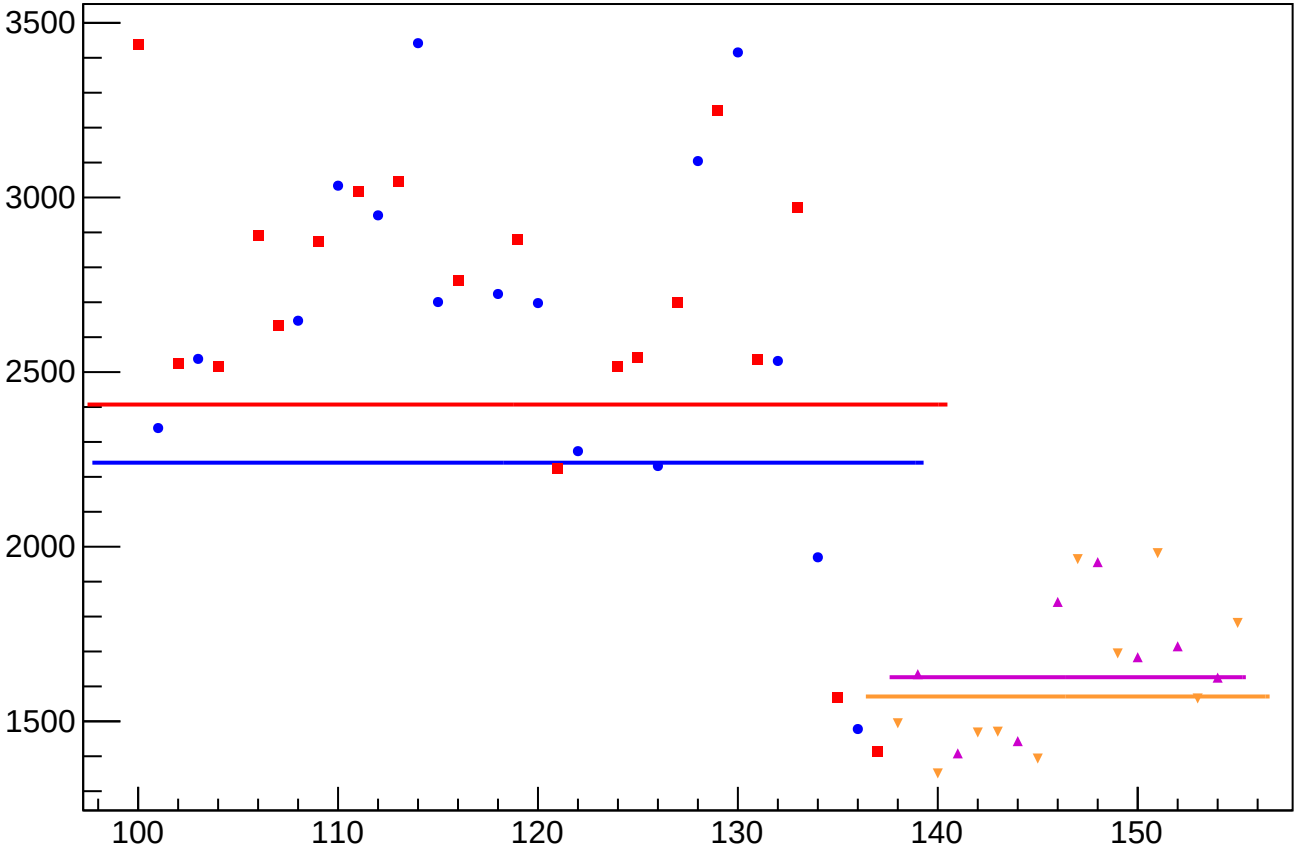
Left In: -82.957+/-618.671 χ^2/NDF:13.2/7

+ sign 1390.362+/-474.173 χ^2/NDF: 35.8/25

All: 781.535+/-347.465 χ^2/NDF: 67.5/52

- sign 75.488+/-510.630 χ^2/NDF: 28.1/26

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1571.111+/-0.401 χ^2/NDF:255841.7/9

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

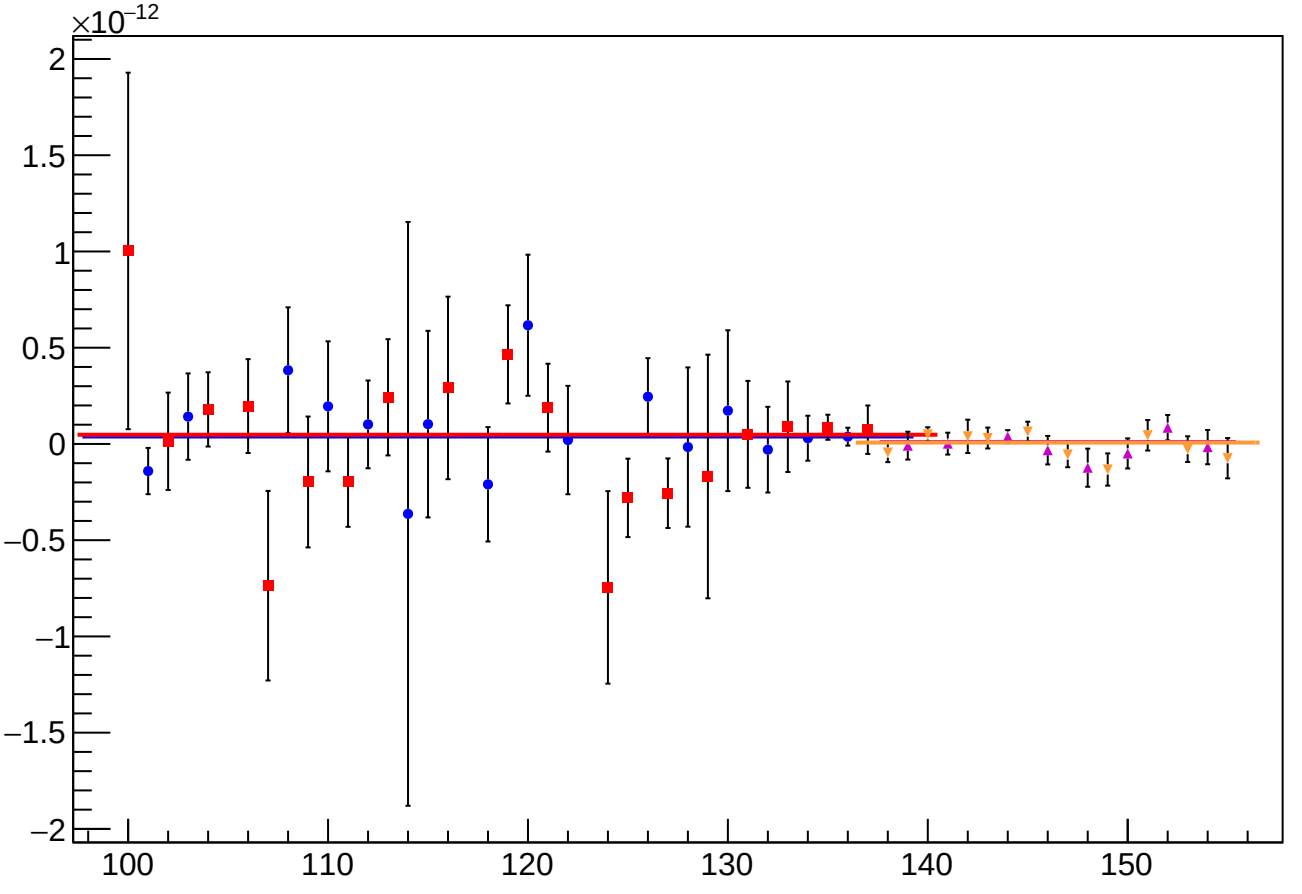
Left In: 1626.350+/-0.437 χ^2/NDF:149603.1/7

+ sign 1773.096+/-0.335 χ^2/NDF: 2029445.1/25

All: 1820.391+/-0.246 χ^2/NDF: 4026400.9/52

- sign 1875.238+/-0.361 χ^2/NDF: 1953984.7/26

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:8.7/9

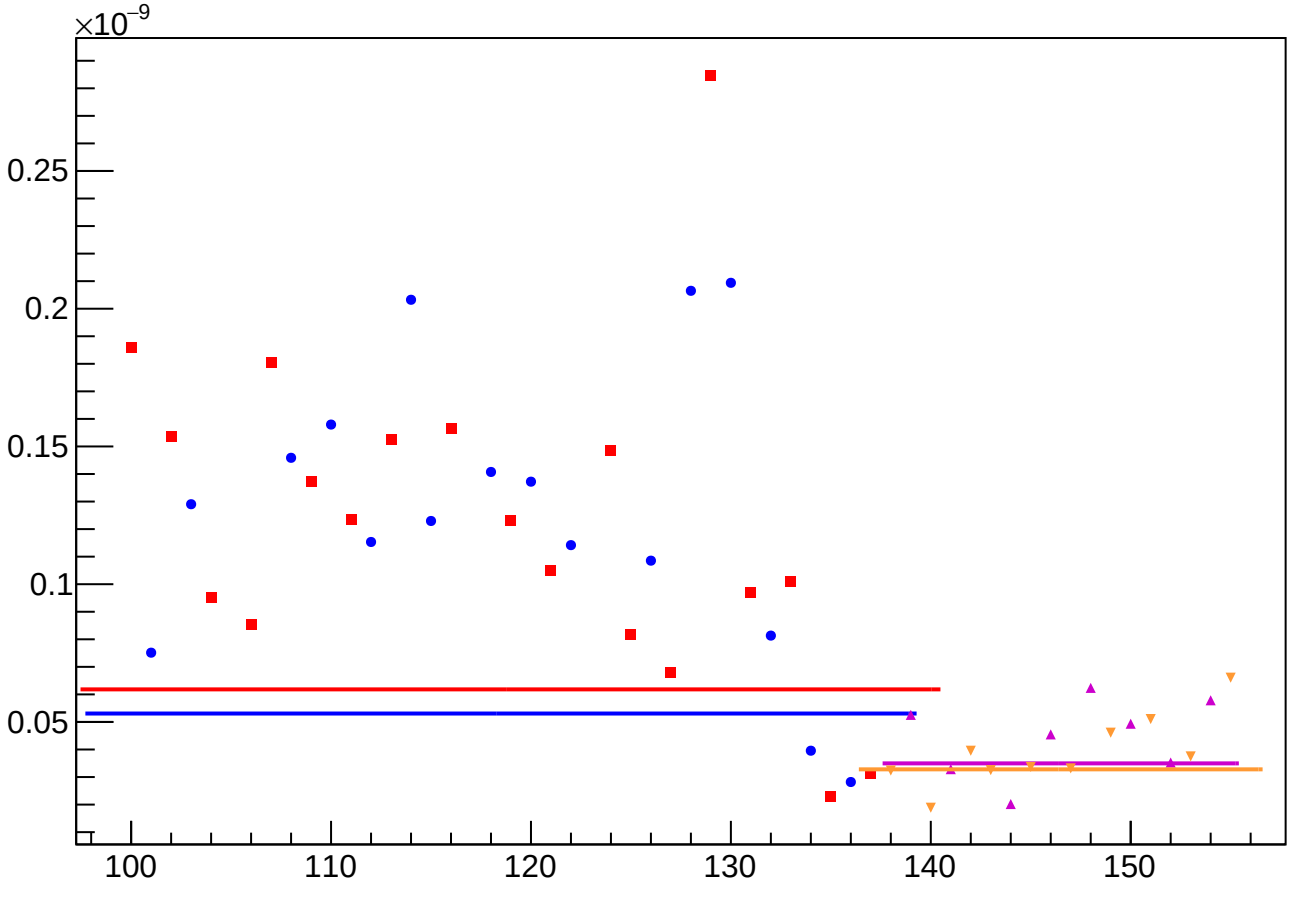
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 17.7/25

All: 0.000+/-0.000 χ^2/NDF: 41.3/52

- sign 0.000+/-0.000 χ^2/NDF: 23.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:658098.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

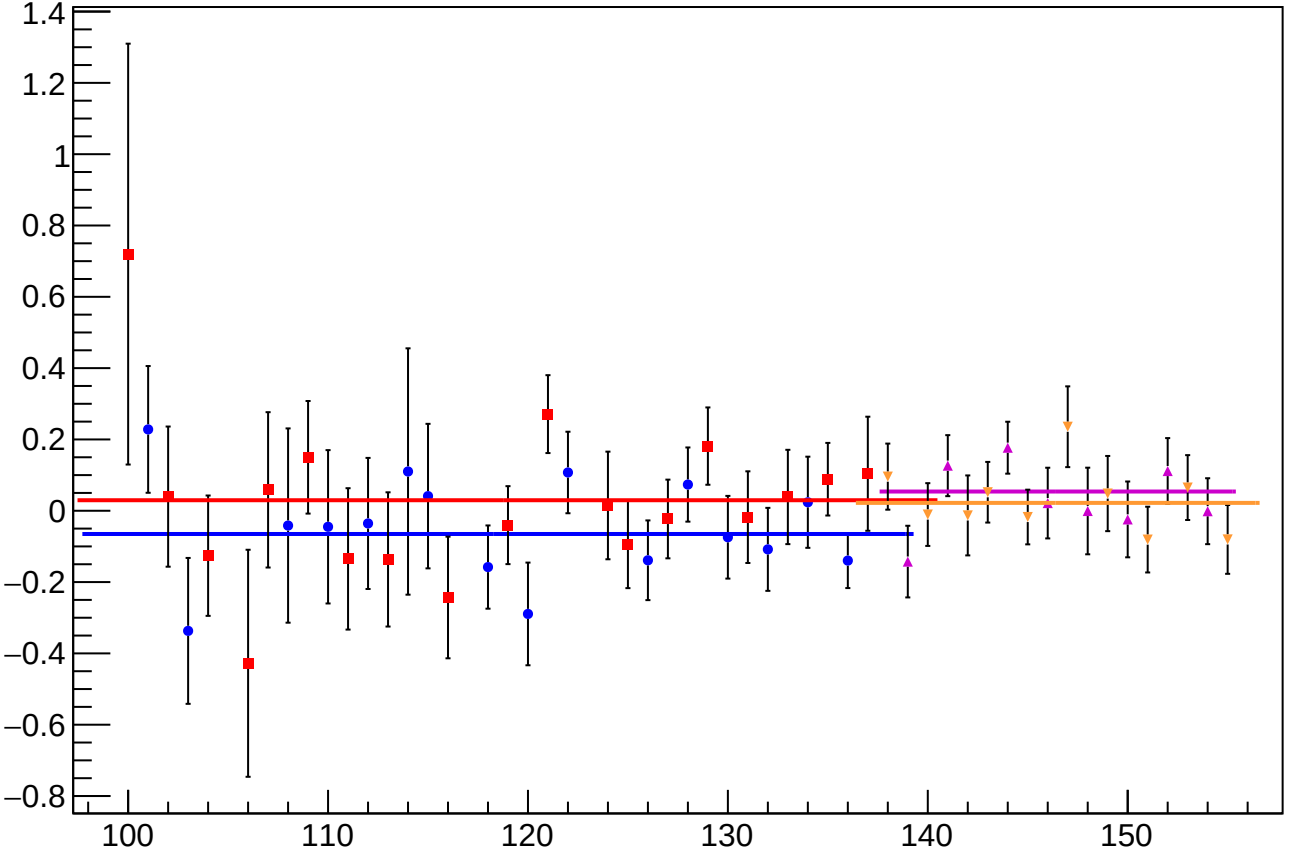
Left In: 0.000+/-0.000 χ^2/NDF:891091.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 3723953.3/25

All: 0.000+/-0.000 χ^2/NDF: 7678524.5/52

- sign 0.000+/-0.000 χ^2/NDF: 3923809.8/26

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: 0.022+/-0.030 χ^2/NDF:7.5/9

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

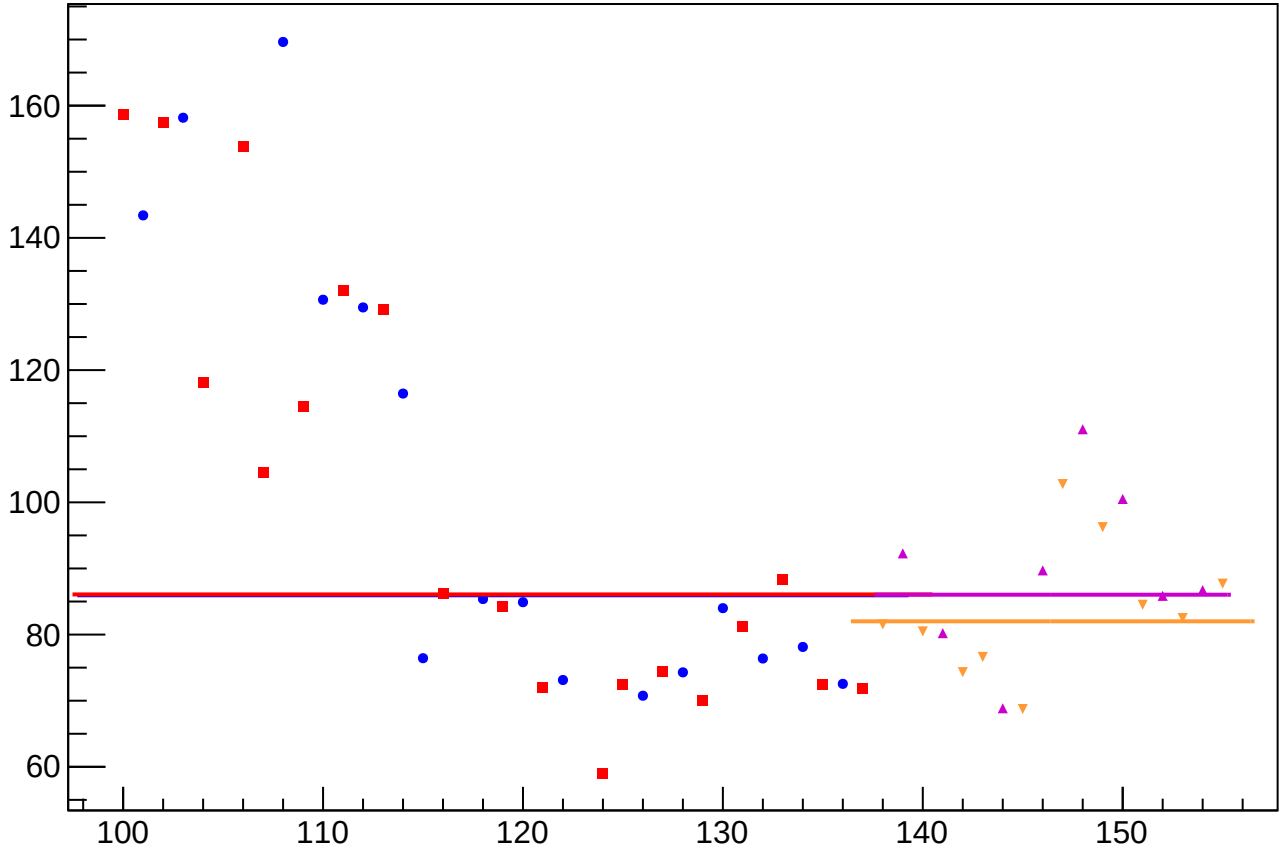
Left In: 0.054+/-0.033 χ^2/NDF:9.0/7

+ sign -0.016+/-0.022 χ^2/NDF: 25.5/25

All: 0.011+/-0.016 χ^2/NDF: 56.1/52

- sign 0.042+/-0.023 χ^2/NDF: 27.3/26

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: 82.007+/-0.021 χ^2/NDF:190048.9/9

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

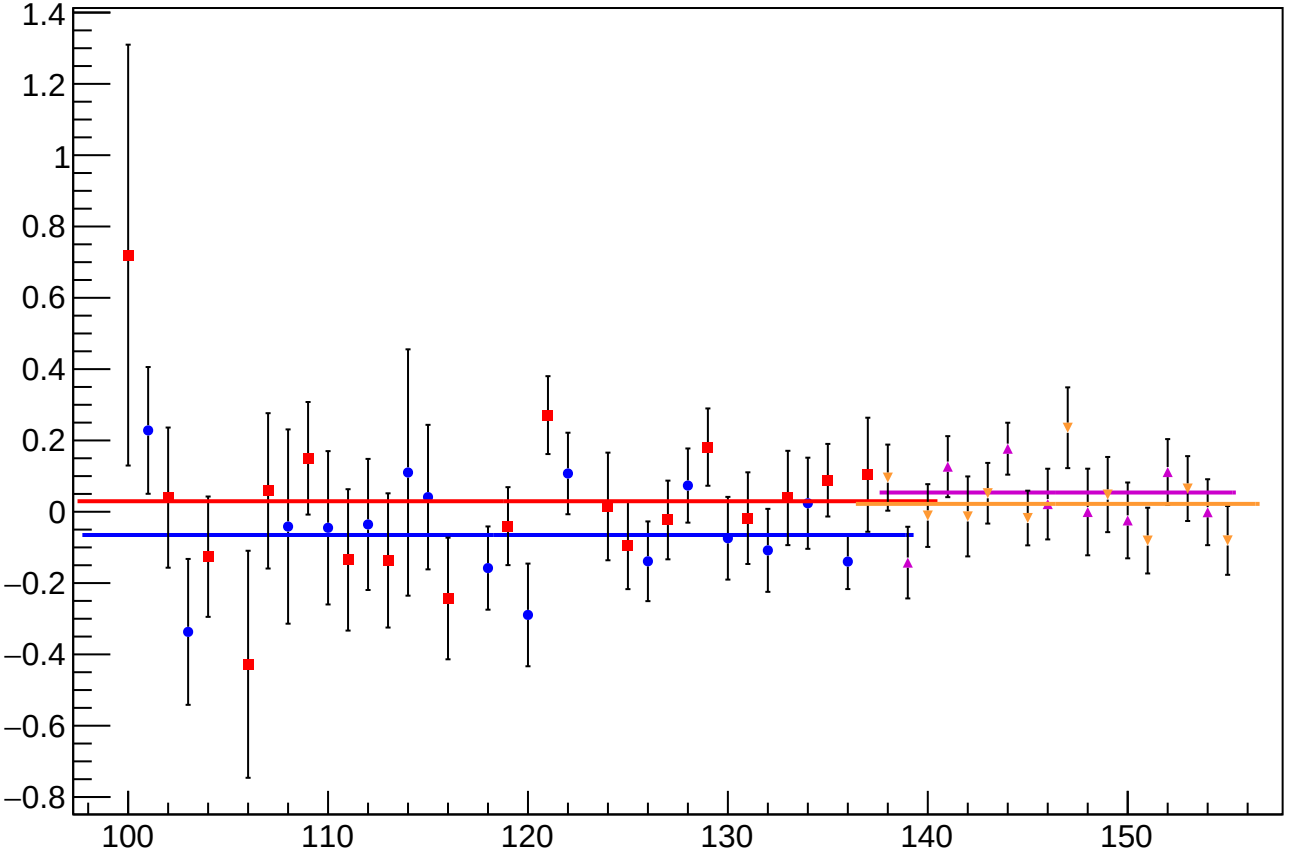
Left In: 86.031+/-0.023 χ^2/NDF:253167.2/7

\+ sign 83.740+/-0.016 χ^2/NDF: 1240716.8/25

All: 84.833+/-0.011 χ^2/NDF: 2495611.2/52

\- sign 86.052+/-0.016 χ^2/NDF: 1244540.2/26

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: 0.022+/-0.030 χ^2/NDF:7.5/9

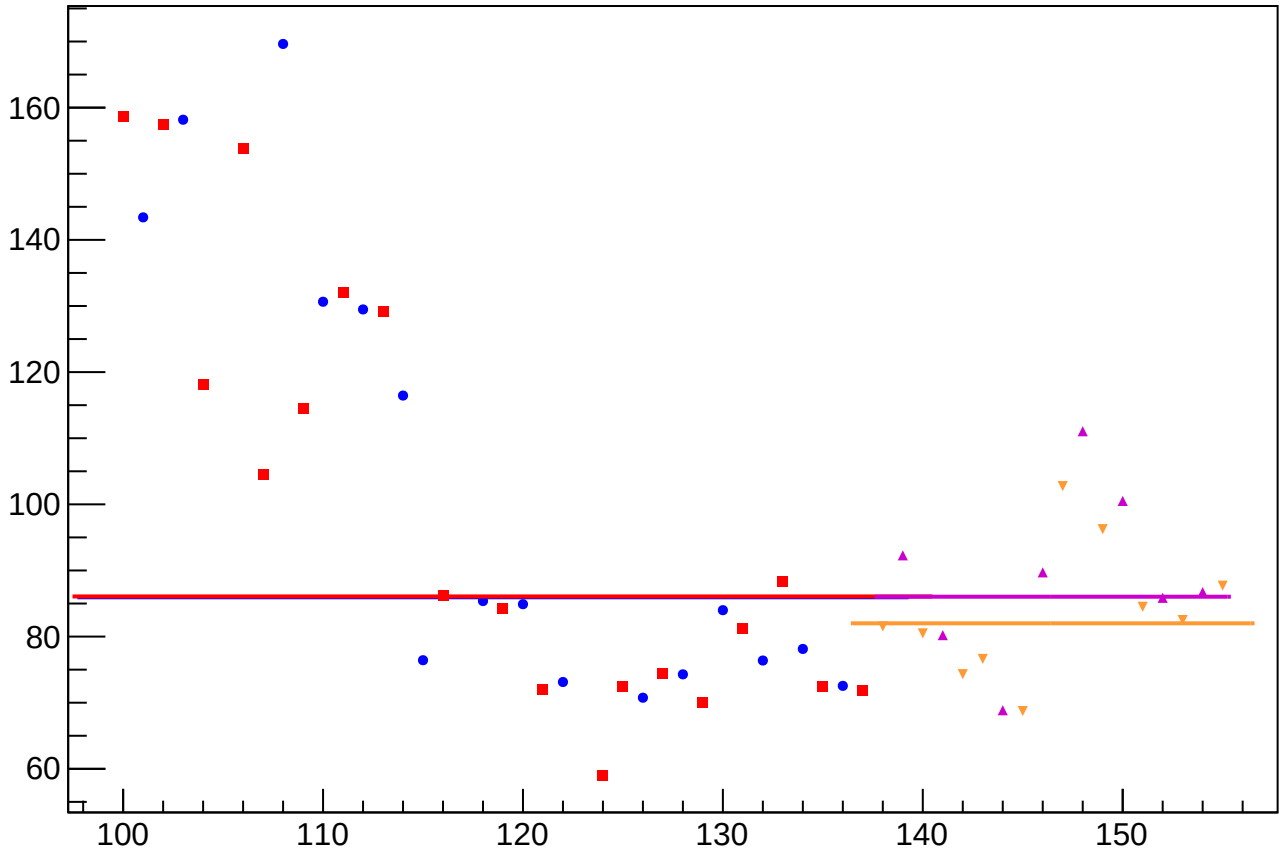
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.054+/-0.033 χ^2/NDF:9.0/7

+ sign -0.016+/-0.022 χ^2/NDF: 25.5/25

All: 0.011+/-0.016 χ^2/NDF: 56.1/52

- sign 0.042+/-0.023 χ^2/NDF: 27.3/26



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 82.007+/-0.021 χ^2/NDF:190048.9/9

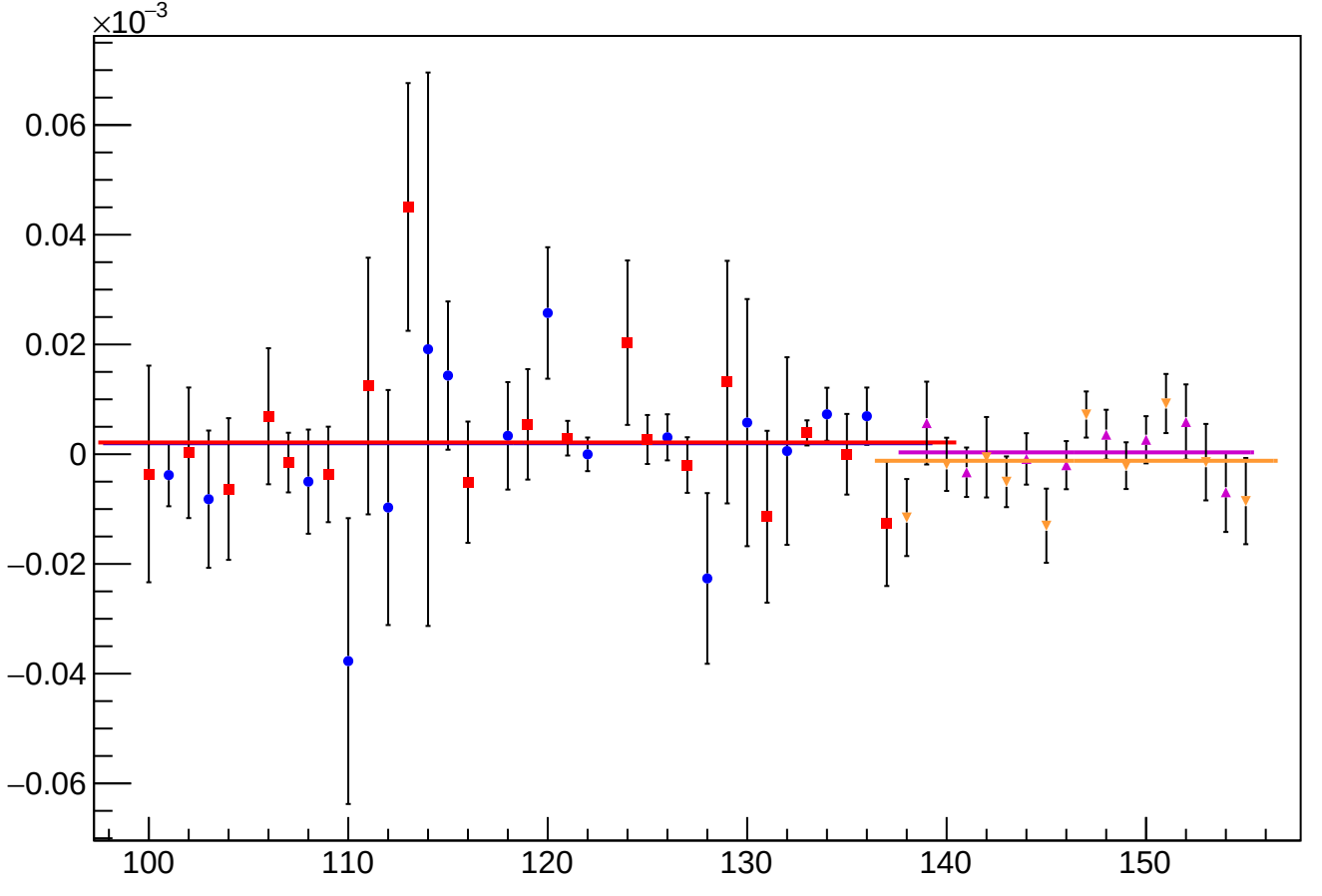
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 86.031+/-0.023 χ^2/NDF:253167.2/7

\+ sign 83.740+/-0.016 χ^2/NDF: 1240716.8/25

All: 84.833+/-0.011 χ^2/NDF: 2495611.2/52

\- sign 86.052+/-0.016 χ^2/NDF: 1244540.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/9

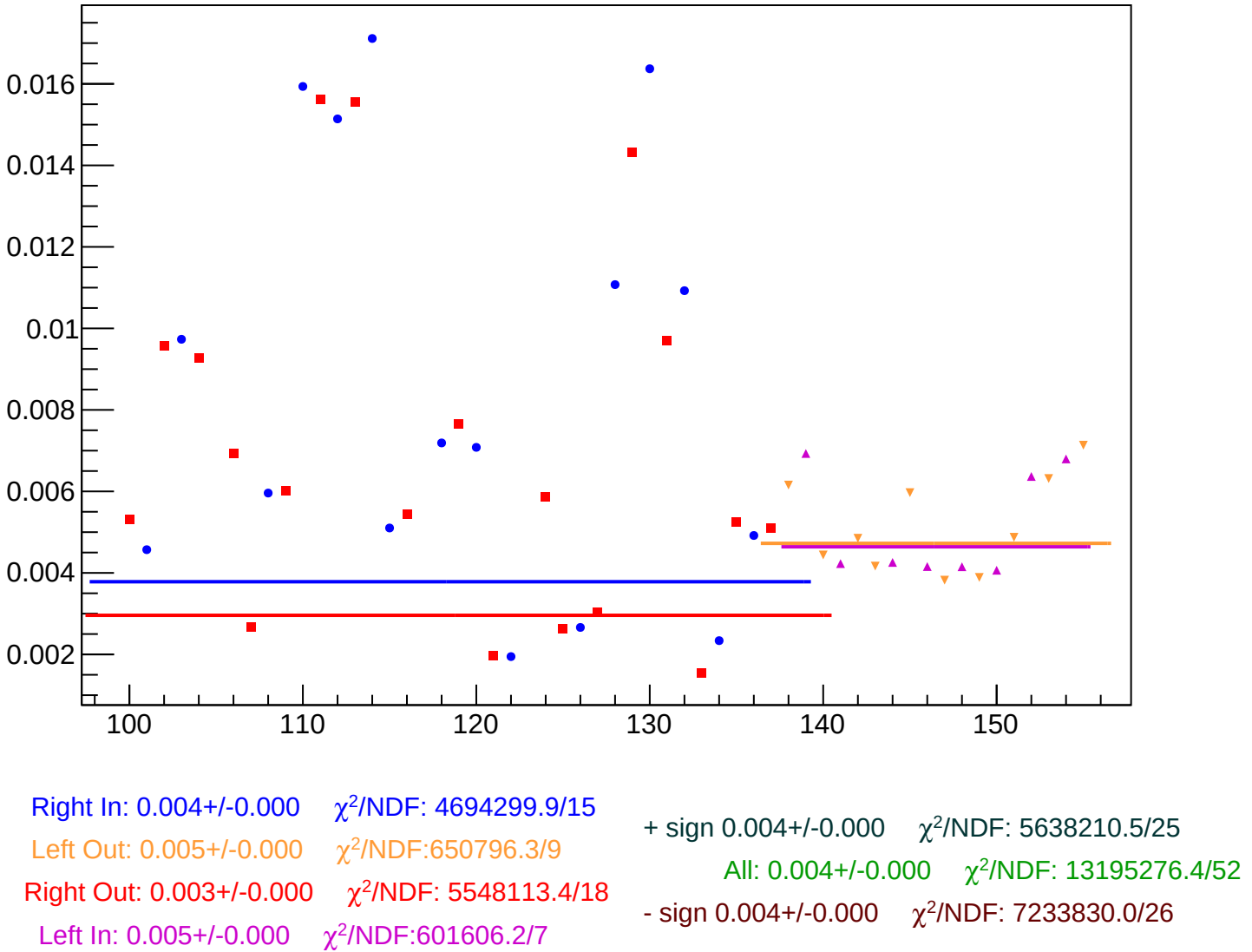
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/7

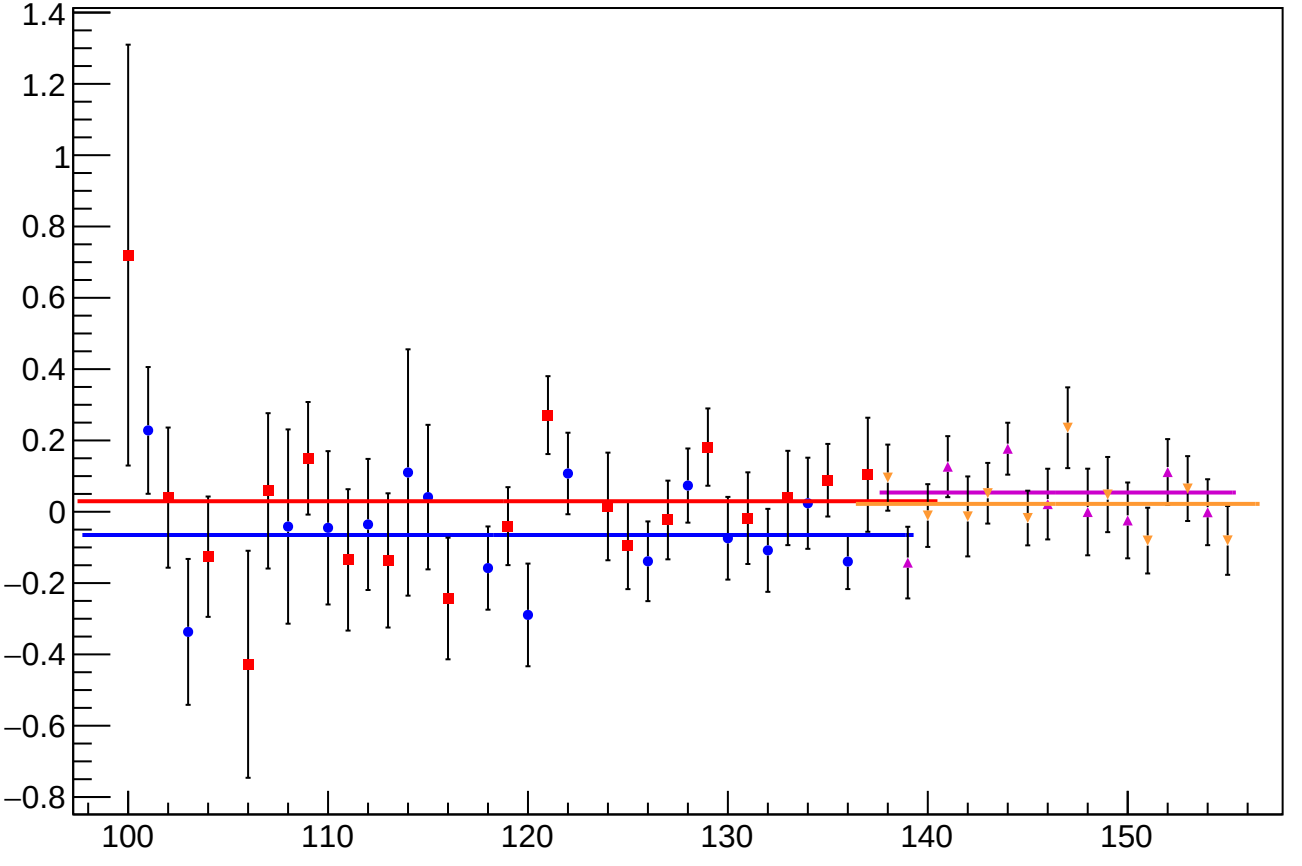
+ sign 0.000+/-0.000 χ^2/NDF: 31.2/25

All: 0.000+/-0.000 χ^2/NDF: 47.7/52

- sign 0.000+/-0.000 χ^2/NDF: 16.1/26


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ²/NDF:650796.3/9
Right Out: 0.003+/-0.000 χ²/NDF: 5548113.4/18
Left In: 0.005+/-0.000 χ²/NDF:601606.2/7
+ sign 0.004+/-0.000 χ²/NDF: 5638210.5/25
All: 0.004+/-0.000 χ²/NDF: 13195276.4/52
- sign 0.004+/-0.000 χ²/NDF: 7233830.0/26

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.022+/-0.030 χ^2/NDF:7.5/9

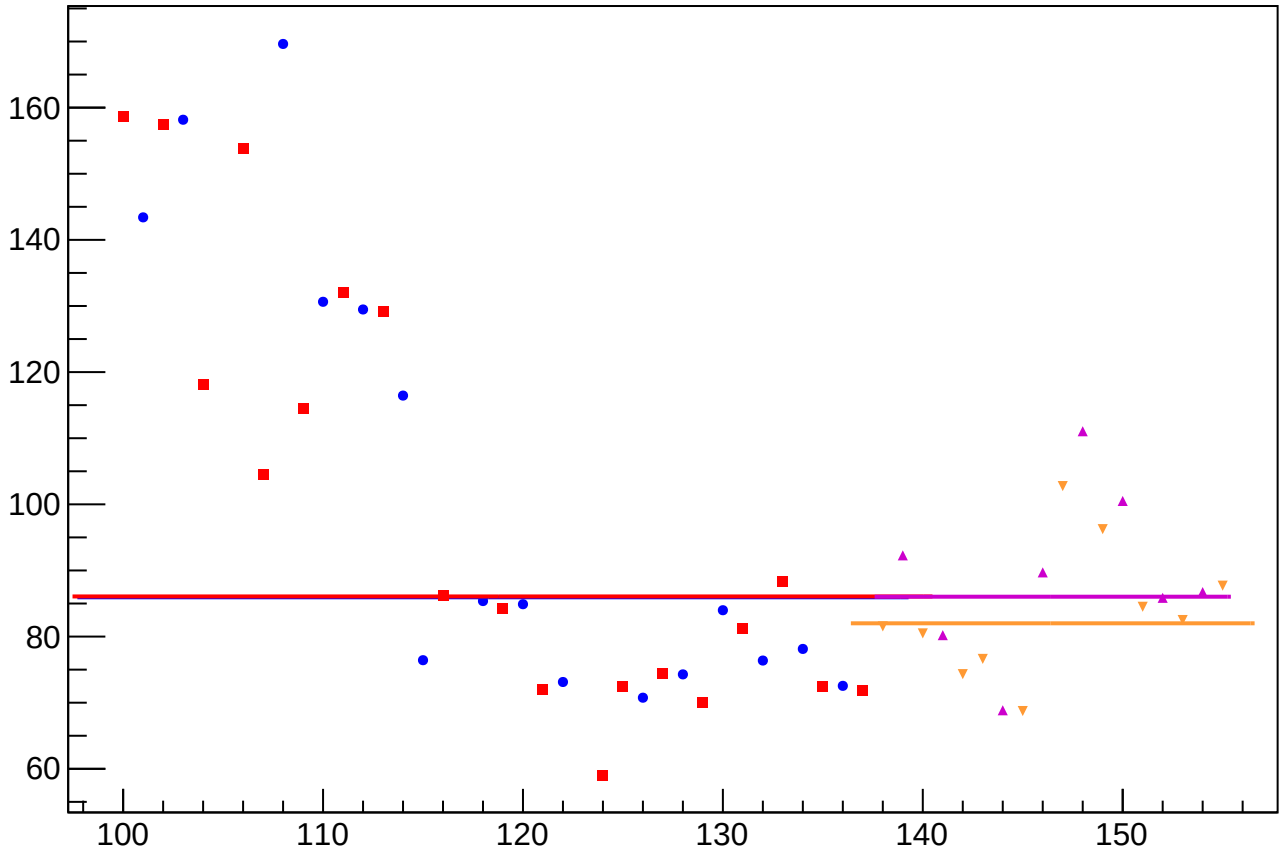
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.054+/-0.033 χ^2/NDF:9.0/7

+ sign -0.016+/-0.022 χ^2/NDF: 25.5/25

All: 0.011+/-0.016 χ^2/NDF: 56.1/52

- sign 0.042+/-0.023 χ^2/NDF: 27.3/26



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 82.006+/-0.021 χ^2/NDF:190075.8/9

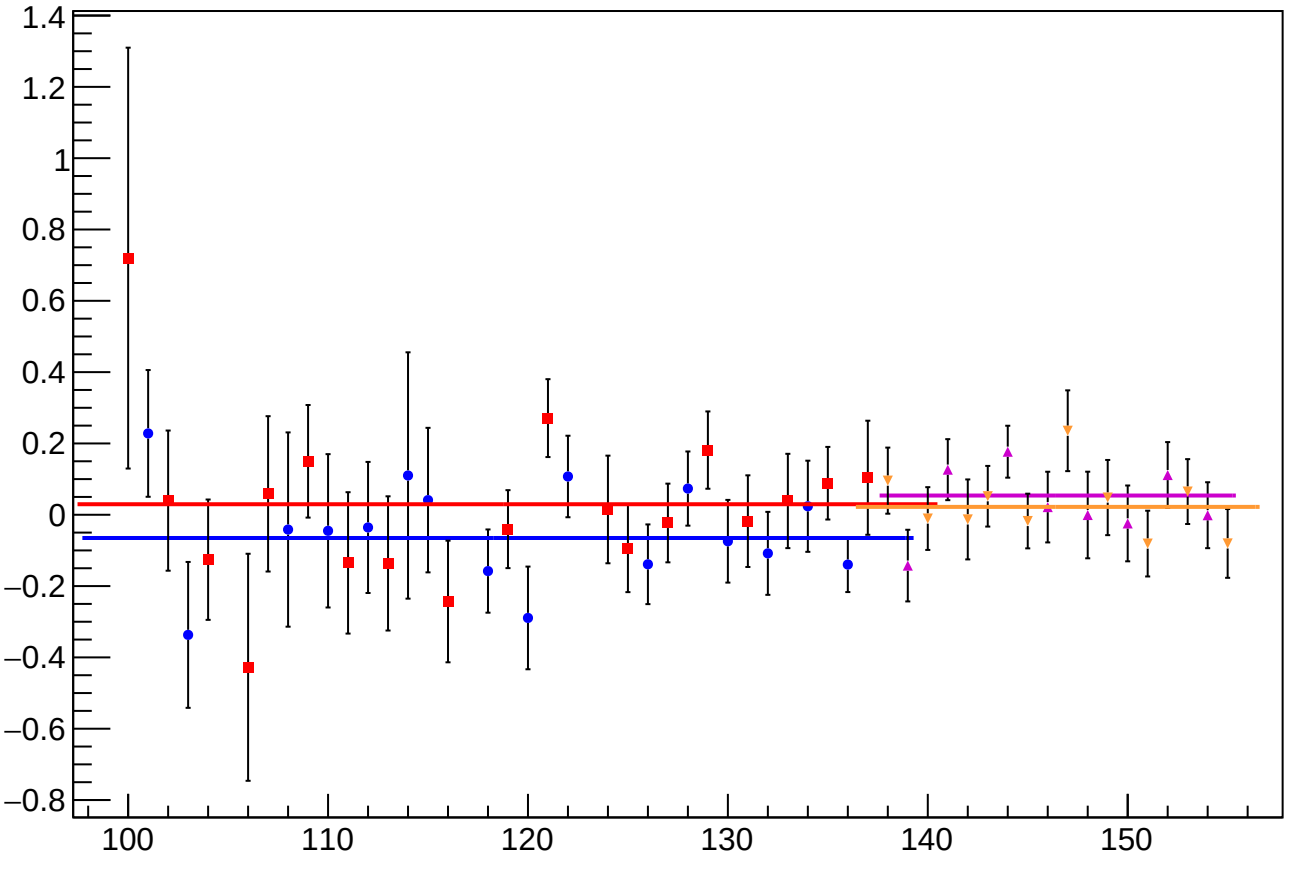
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 86.031+/-0.023 χ^2/NDF:253170.2/7

\+ sign 83.738+/-0.016 χ^2/NDF: 1240710.1/25

All: 84.831+/-0.011 χ^2/NDF: 2495602.1/52

\- sign 86.051+/-0.016 χ^2/NDF: 1244536.9/26



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.022+/-0.030 χ^2/NDF:7.5/9

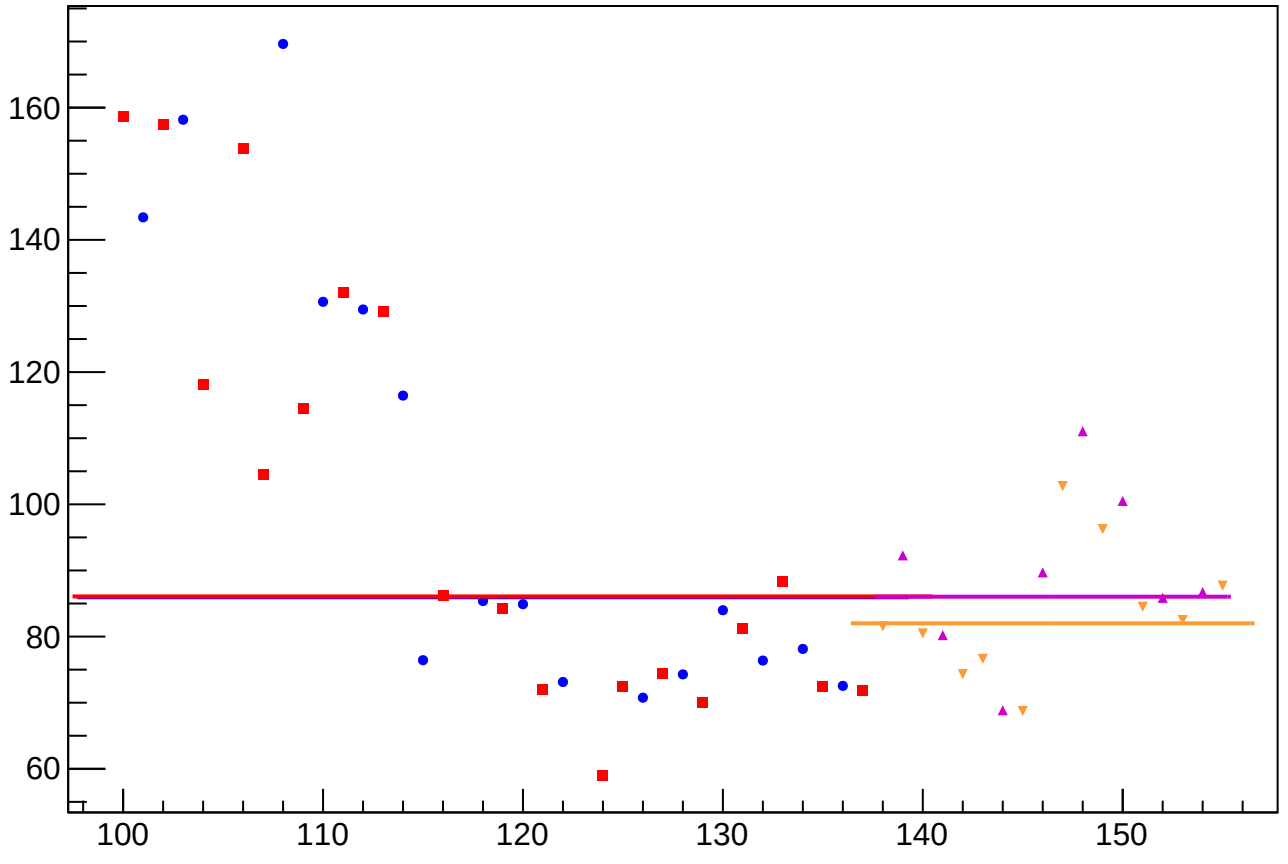
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.054+/-0.033 χ^2/NDF:9.0/7

+ sign -0.016+/-0.022 χ^2/NDF: 25.5/25

All: 0.011+/-0.016 χ^2/NDF: 56.1/52

- sign 0.042+/-0.023 χ^2/NDF: 27.3/26



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 82.006+/-0.021 χ^2/NDF:190075.8/9

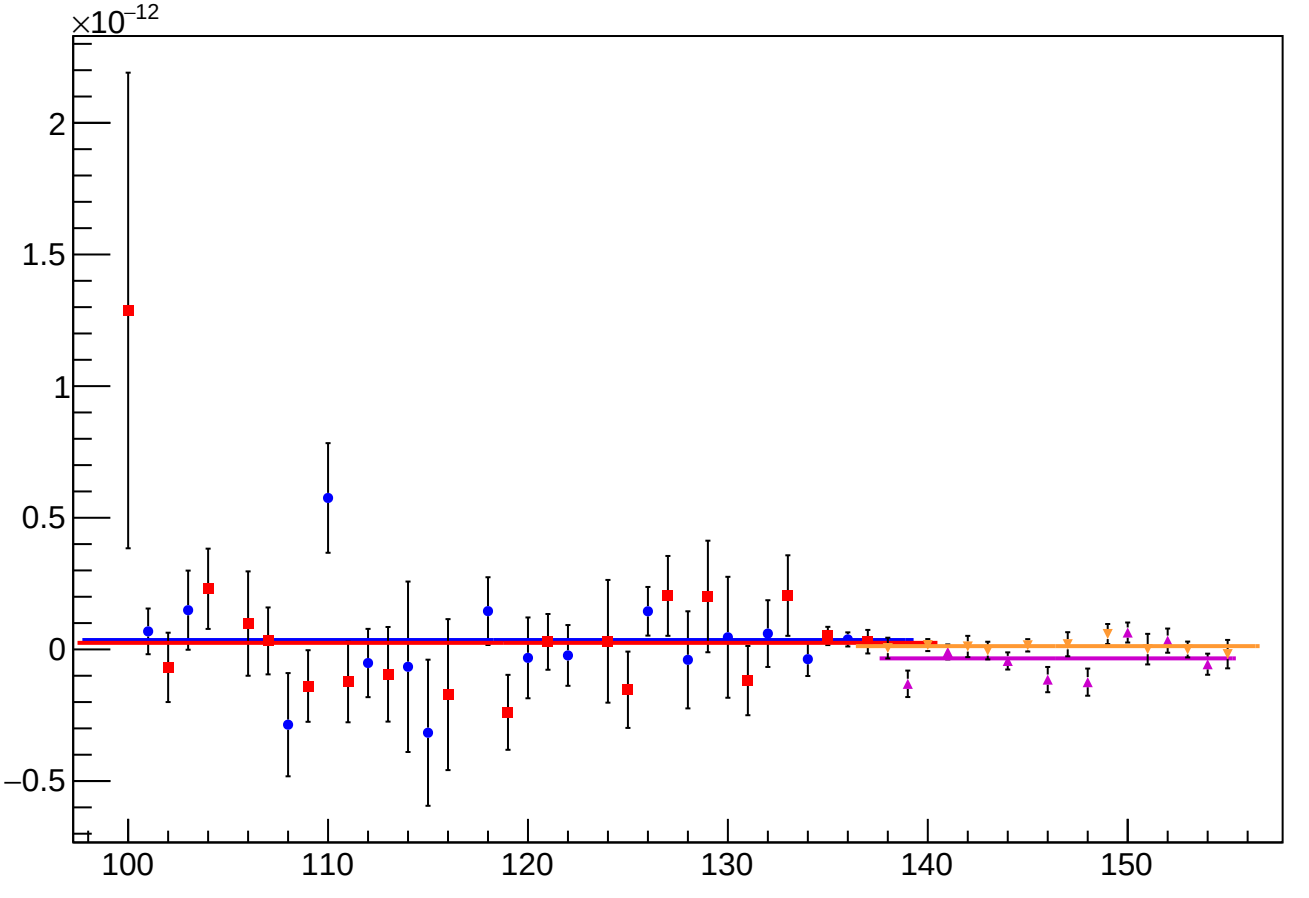
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 86.031+/-0.023 χ^2/NDF:253170.2/7

+ sign 83.738+/-0.016 χ^2/NDF: 1240710.1/25

All: 84.831+/-0.011 χ^2/NDF: 2495602.1/52

- sign 86.051+/-0.016 χ^2/NDF: 1244536.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/9

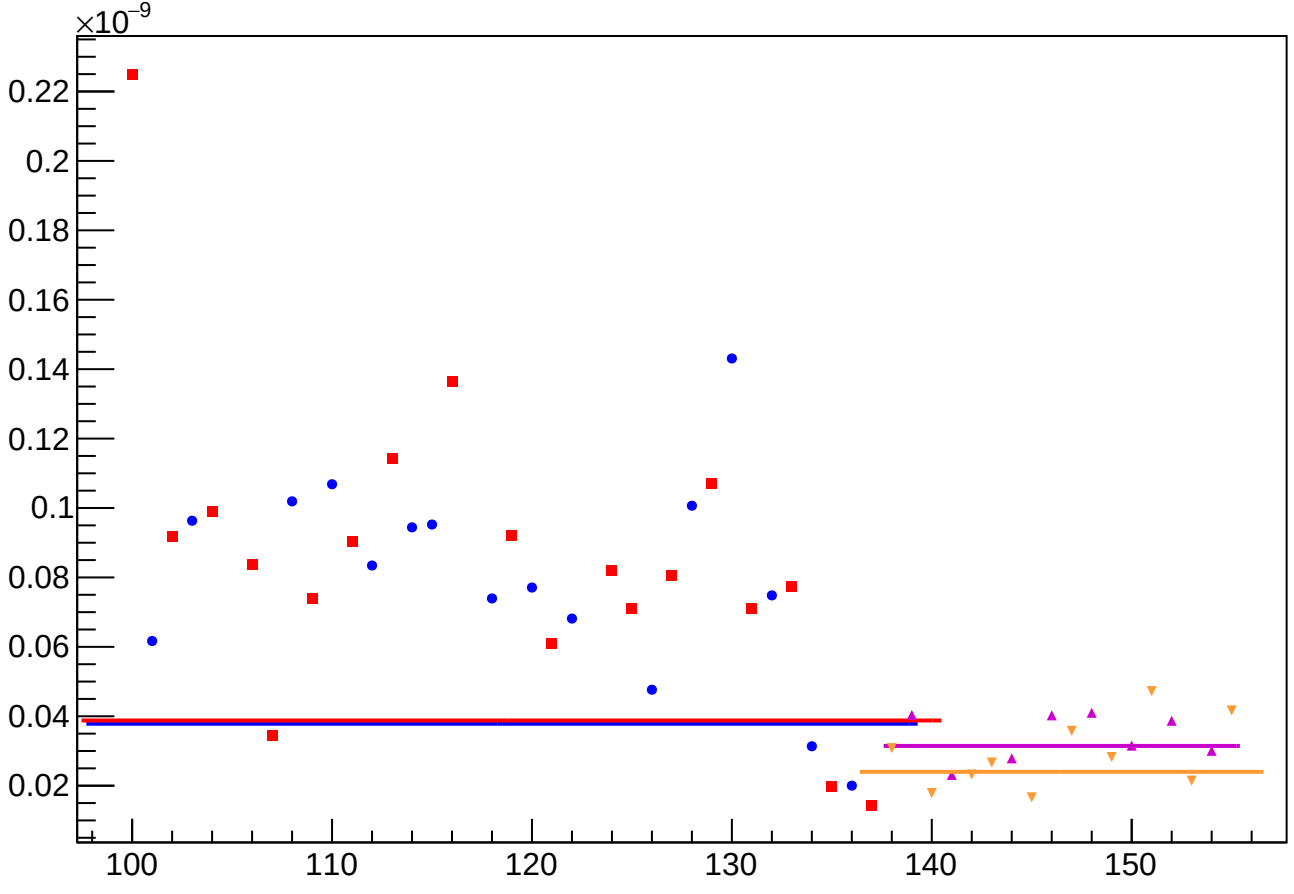
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 19.7/25

All: 0.000+/-0.000 χ^2/NDF: 67.5/52

- sign -0.000+/-0.000 χ^2/NDF: 42.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1121233.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

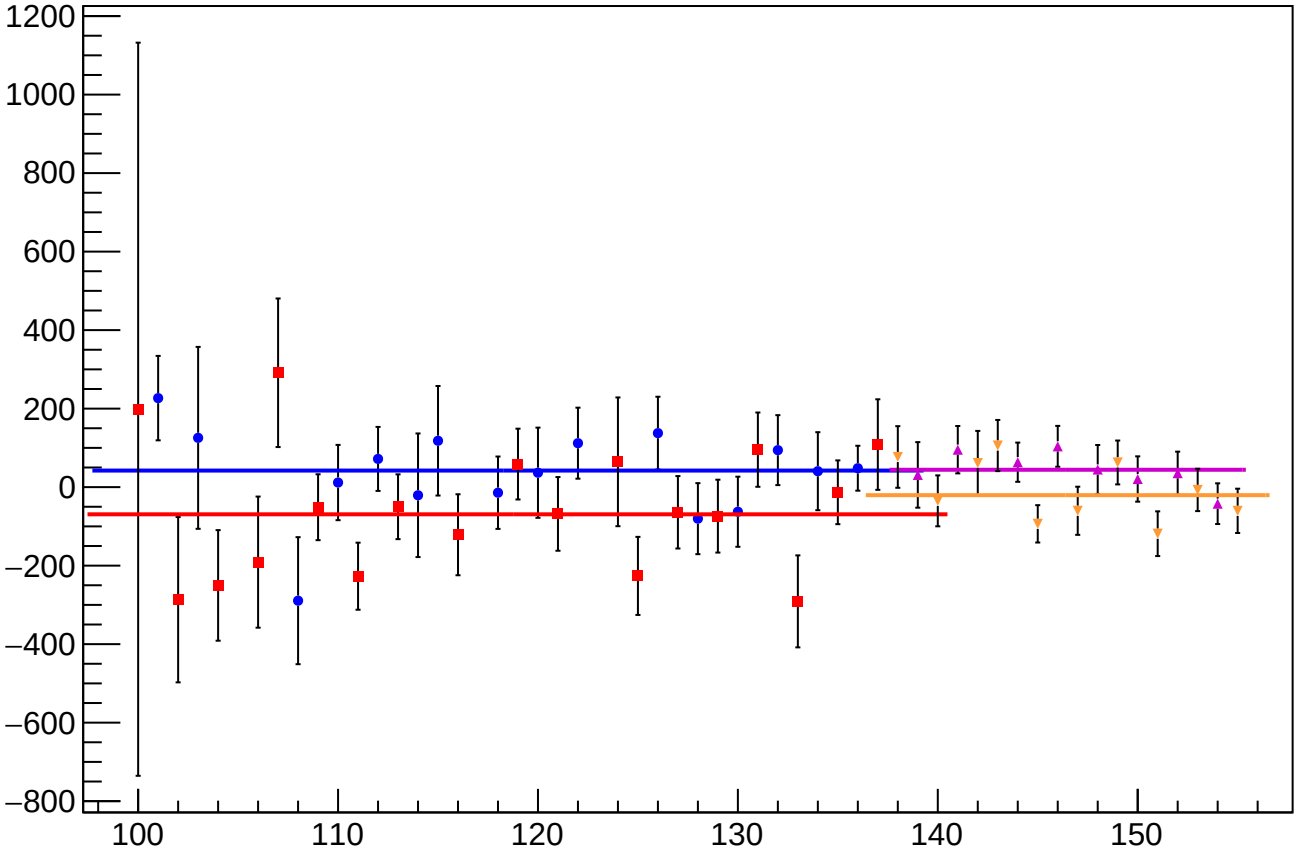
Left In: 0.000+/-0.000 χ^2/NDF:446632.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 5291371.3/25

All: 0.000+/-0.000 χ^2/NDF: 10399166.7/52

- sign 0.000+/-0.000 χ^2/NDF: 4725078.9/26

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -20.495+/-18.972 χ^2/NDF:14.9/9

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

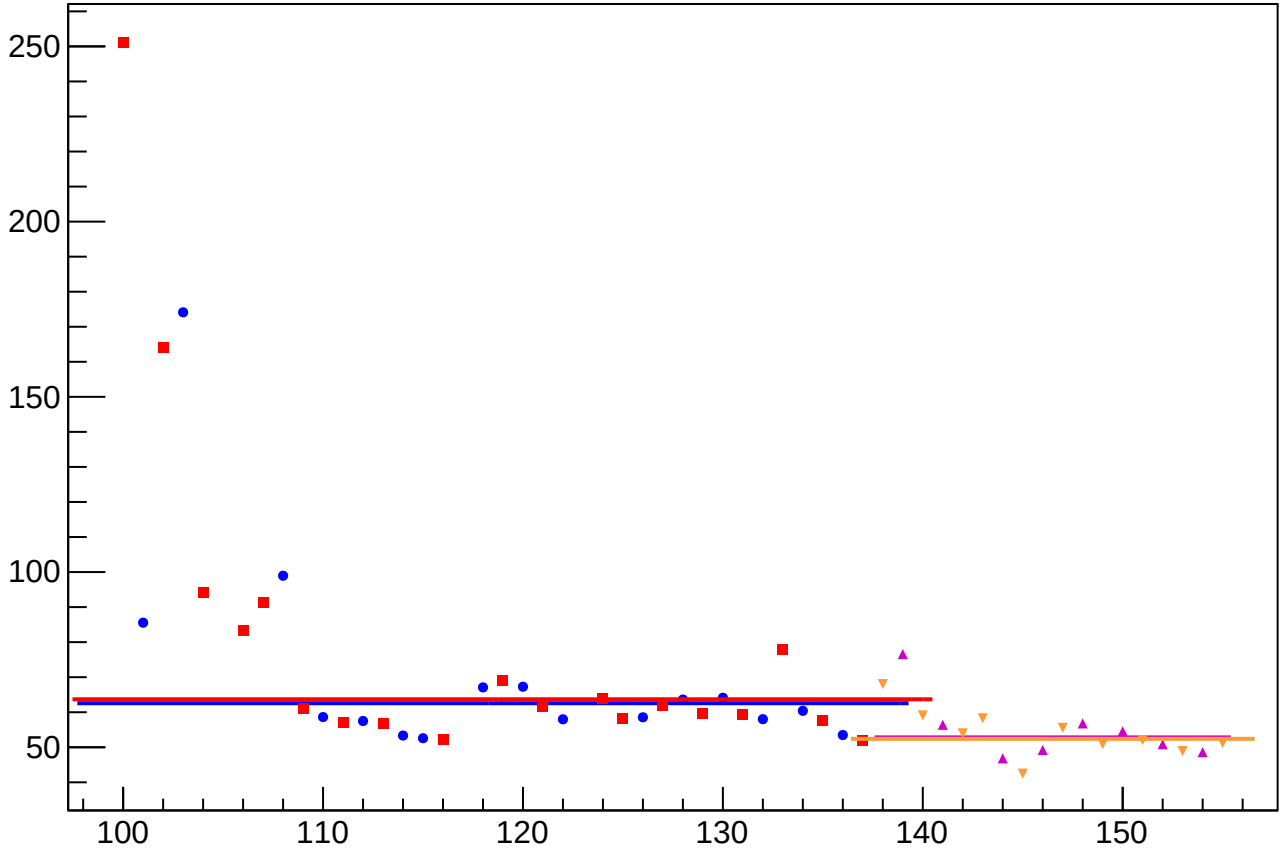
Left In: 44.244+/-20.206 χ^2/NDF:5.2/7

+ sign 3.369+/-14.932 χ^2/NDF: 32.6/25

All: 0.851+/-10.776 χ^2/NDF: 76.0/52

- sign -1.885+/-15.567 χ^2/NDF: 43.4/26

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.411+/-0.013 χ^2/NDF:220542.6/9

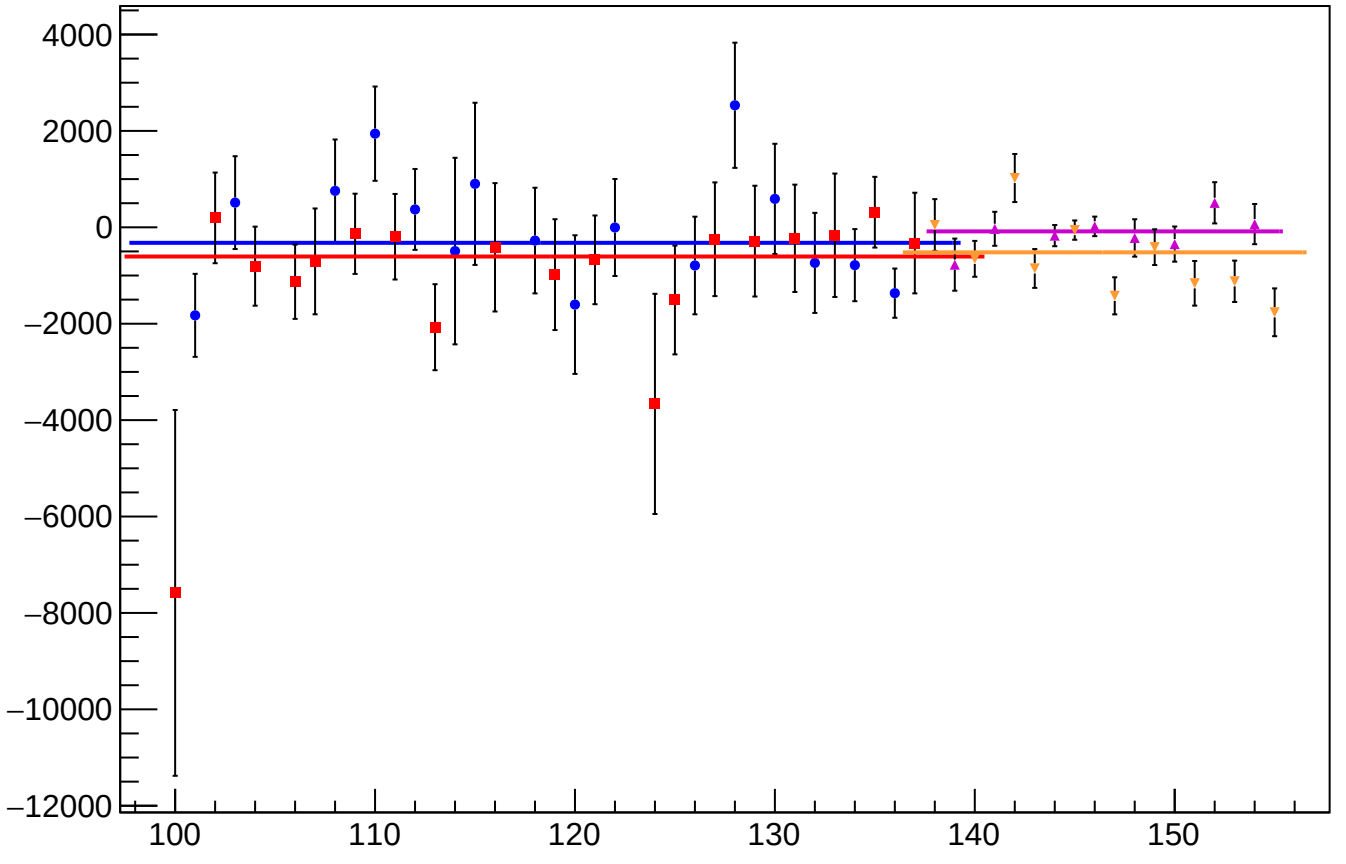
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 52.824+/-0.014 χ^2/NDF:233178.9/7

+ sign 56.275+/-0.011 χ^2/NDF: 1197147.8/25

All: 56.739+/-0.008 χ^2/NDF: 2504030.0/52

- sign 57.244+/-0.011 χ^2/NDF: 1302848.9/26



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -519.311+/-116.267 χ^2/NDF:32.6/9

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

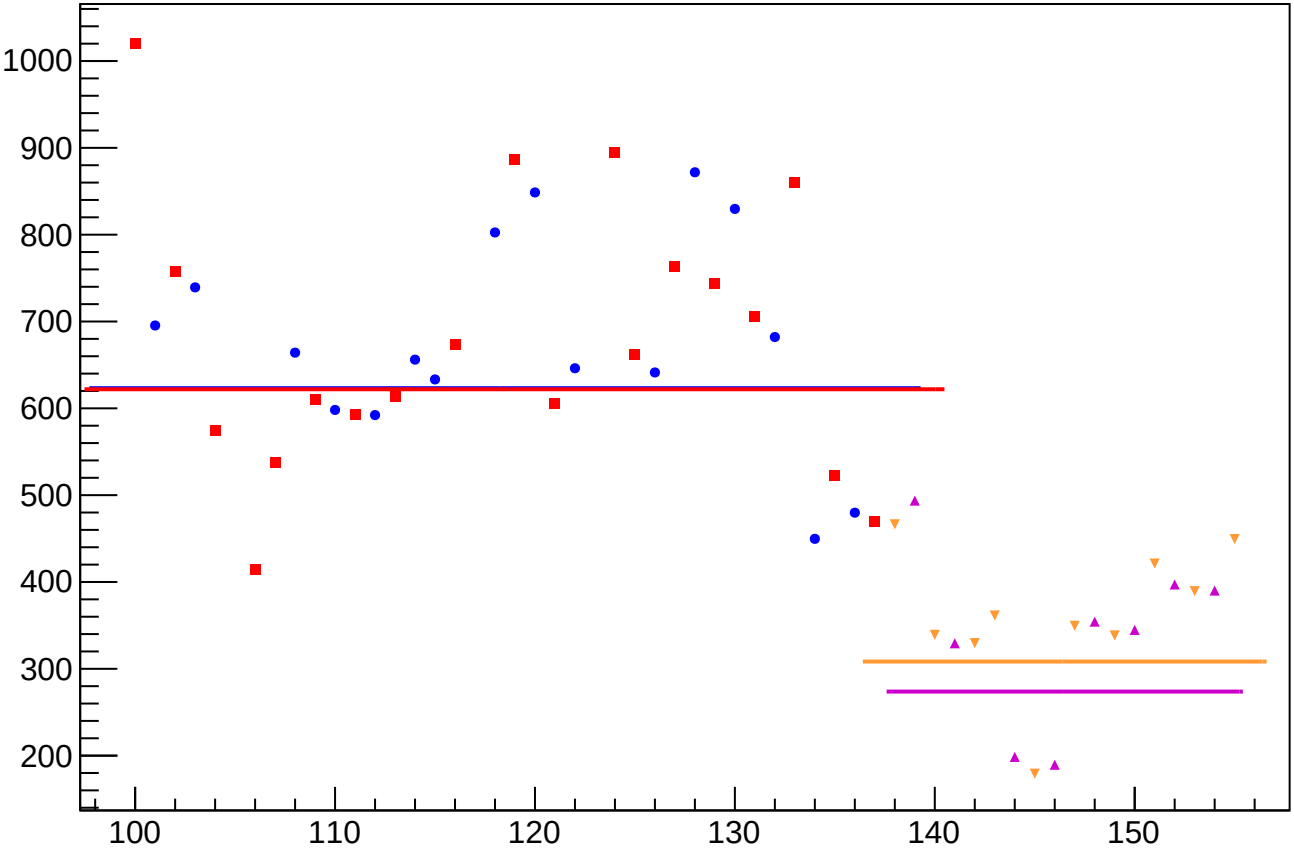
Left In: -84.503+/-110.468 χ^2/NDF:4.8/7

\+ sign -481.355+/-104.508 χ^2/NDF: 55.8/25

All: -323.712+/-72.202 χ^2/NDF: 81.5/52

\- sign -179.757+/-99.868 χ^2/NDF: 21.3/26

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 308.373+/-0.082 χ^2/NDF:1444089.3/9

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

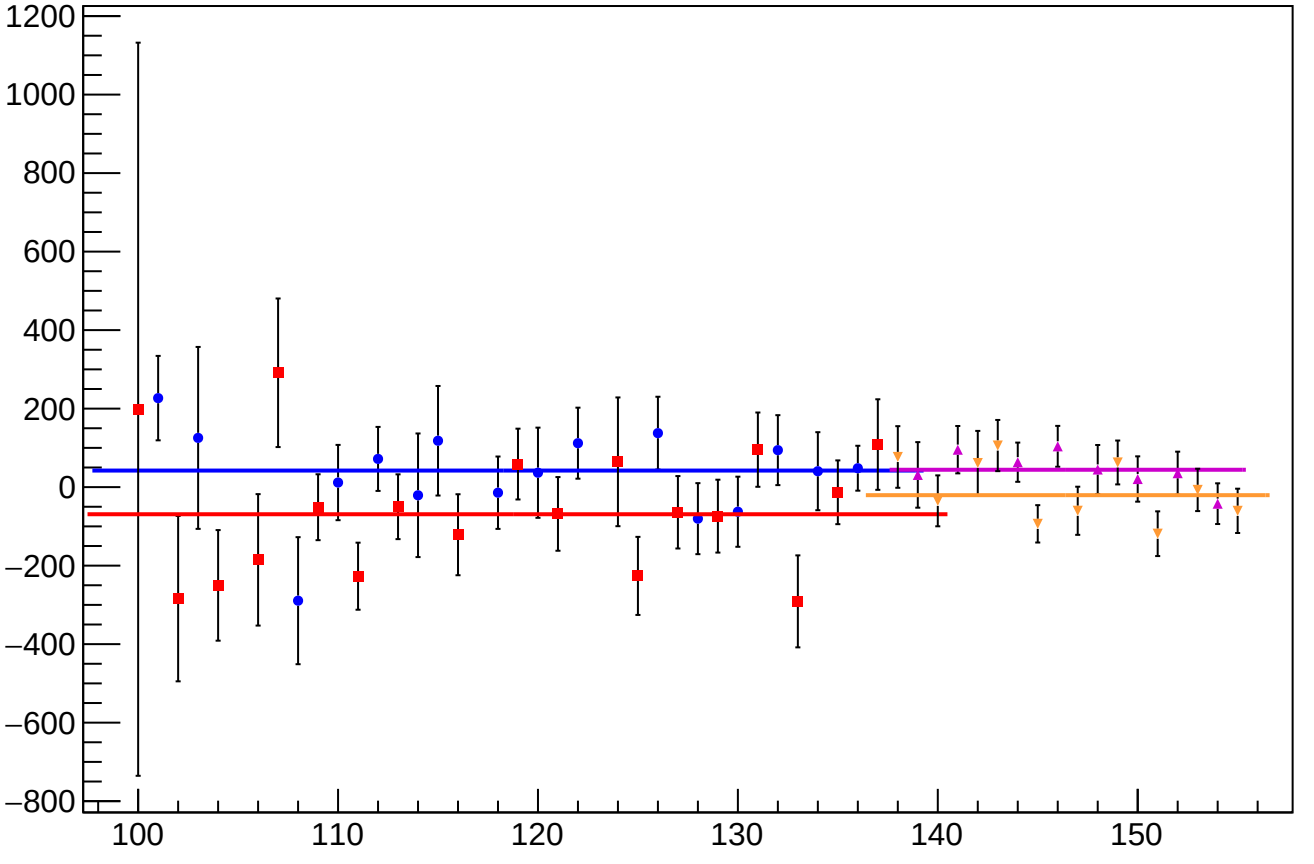
Left In: 273.785+/-0.078 χ^2/NDF:1445614.1/7

+ sign 368.829+/-0.074 χ^2/NDF: 4825396.8/25

All: 352.402+/-0.051 χ^2/NDF: 10578376.5/52

- sign 337.401+/-0.071 χ^2/NDF: 5658442.6/26

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -20.493+/-18.972 χ^2/NDF:14.9/9

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

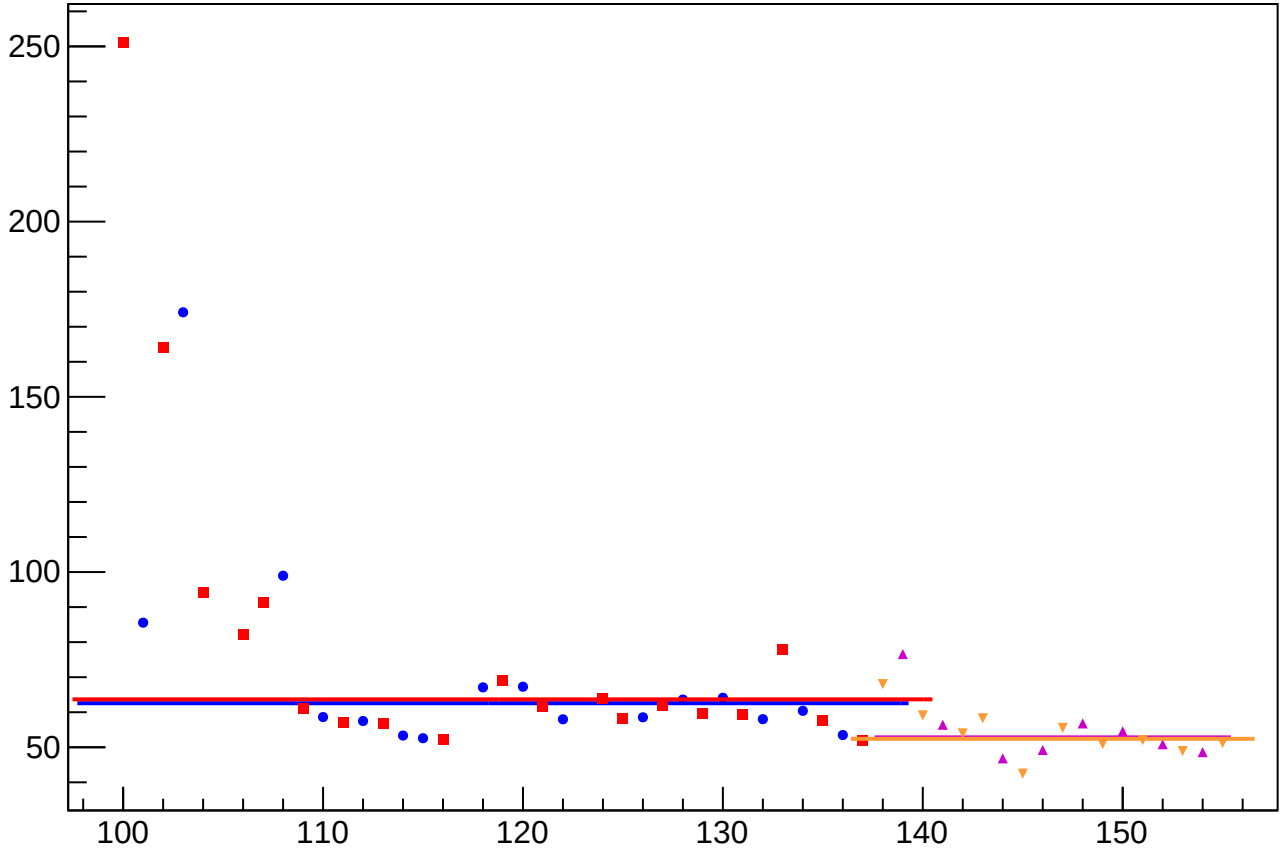
Left In: 44.244+/-20.206 χ^2/NDF:5.2/7

+ sign 3.369+/-14.932 χ^2/NDF: 32.6/25

All: 0.888+/-10.776 χ^2/NDF: 75.9/52

- sign -1.809+/-15.568 χ^2/NDF: 43.2/26

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.411+/-0.013 χ^2/NDF:220542.6/9

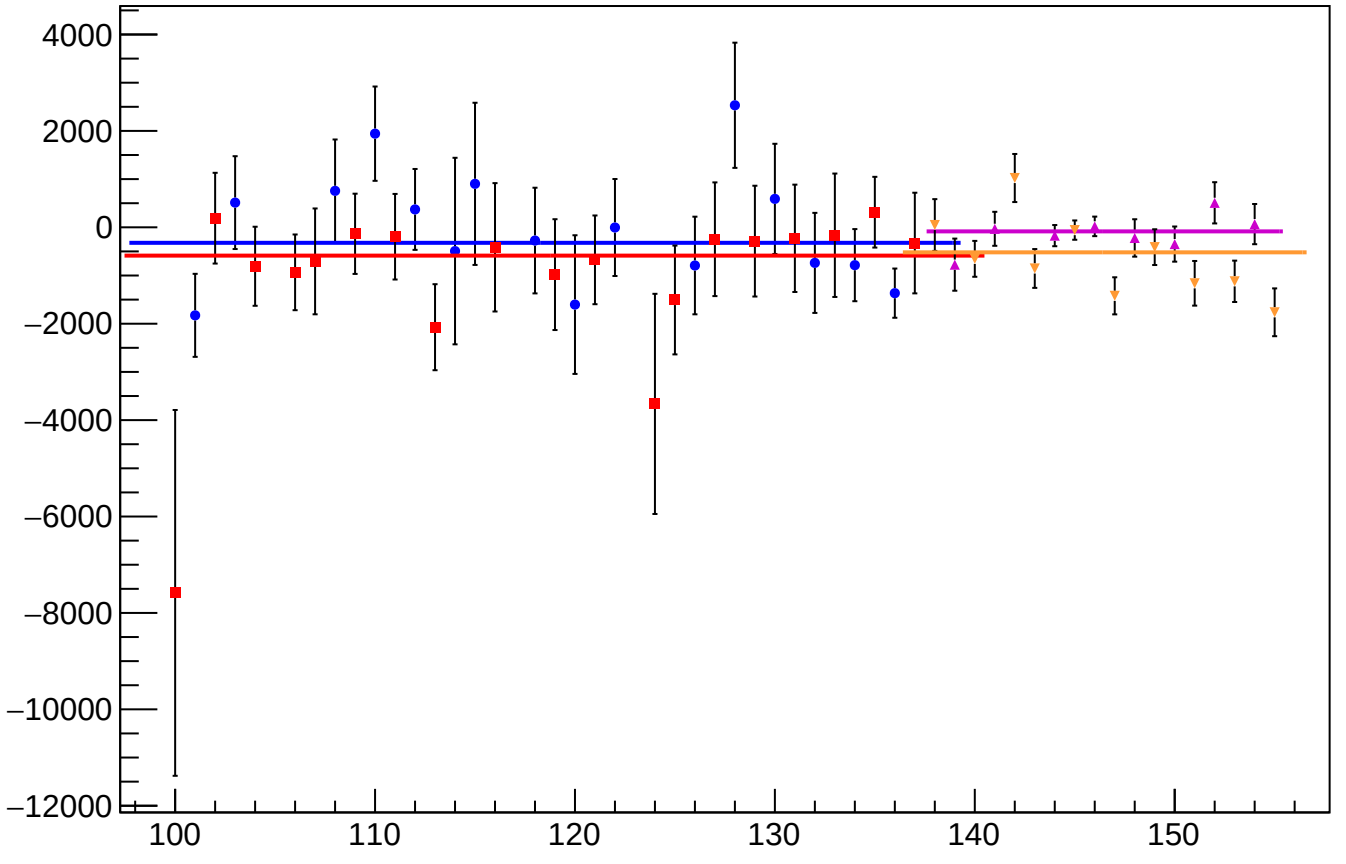
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.824+/-0.014 χ^2/NDF:233178.9/7

+ sign 56.275+/-0.011 χ^2/NDF: 1197149.8/25

All: 56.735+/-0.008 χ^2/NDF: 2500139.2/52

- sign 57.234+/-0.011 χ^2/NDF: 1299040.2/26



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -519.308+/-116.267 χ^2/NDF:32.6/9

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

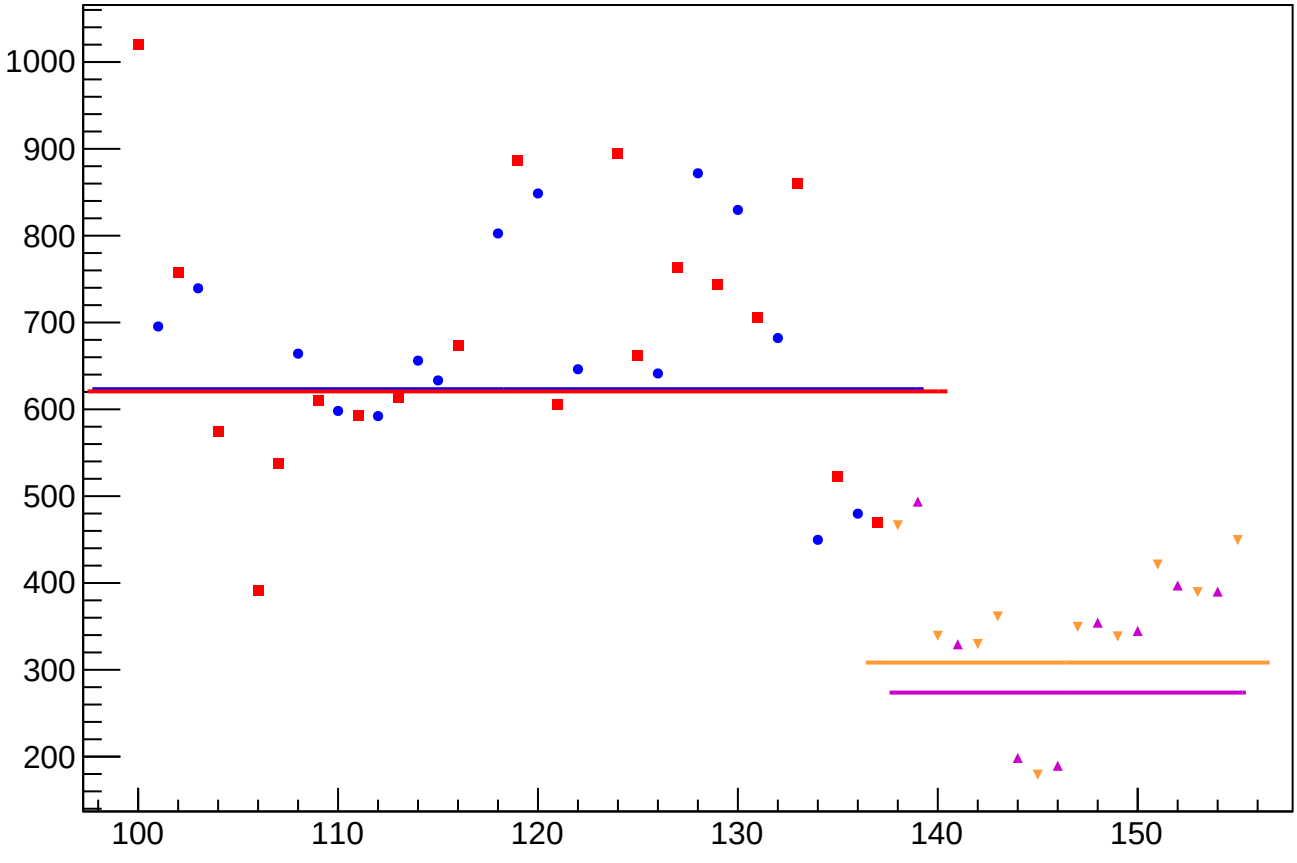
Left In: -84.507+/-110.468 χ^2/NDF:4.8/7

\+ sign -481.353+/-104.508 χ^2/NDF: 55.8/25

All: -321.838+/-72.215 χ^2/NDF: 81.0/52

\- sign -176.075+/-99.902 χ^2/NDF: 20.7/26

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 308.373+/-0.082 χ^2/NDF:1444095.2/9

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

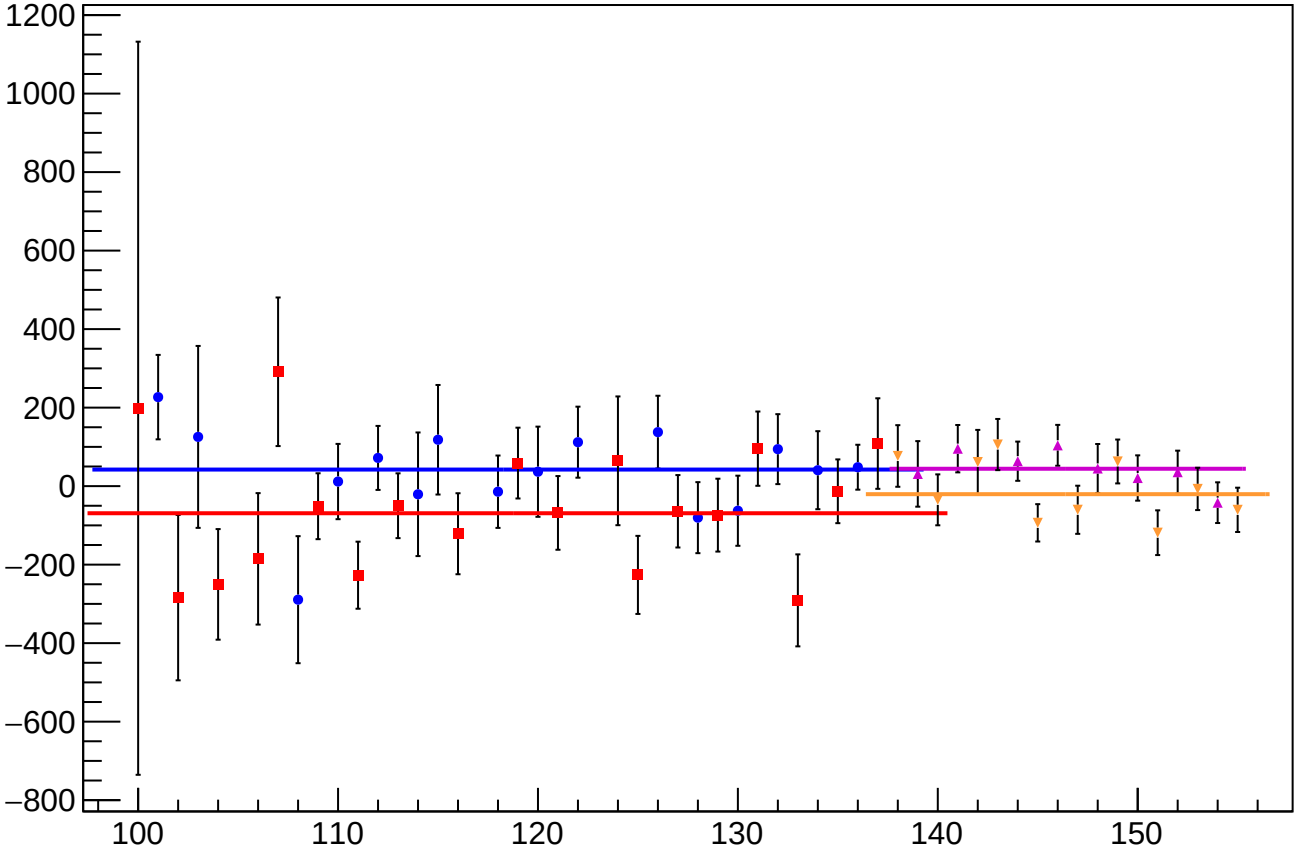
Left In: 273.785+/-0.078 χ^2/NDF:1445620.1/7

+ sign 368.828+/-0.074 χ^2/NDF: 4825466.4/25

All: 352.181+/-0.051 χ^2/NDF: 10570885.7/52

- sign 336.969+/-0.071 χ^2/NDF: 5648303.4/26

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -20.493+/-18.972 χ^2/NDF:14.9/9

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

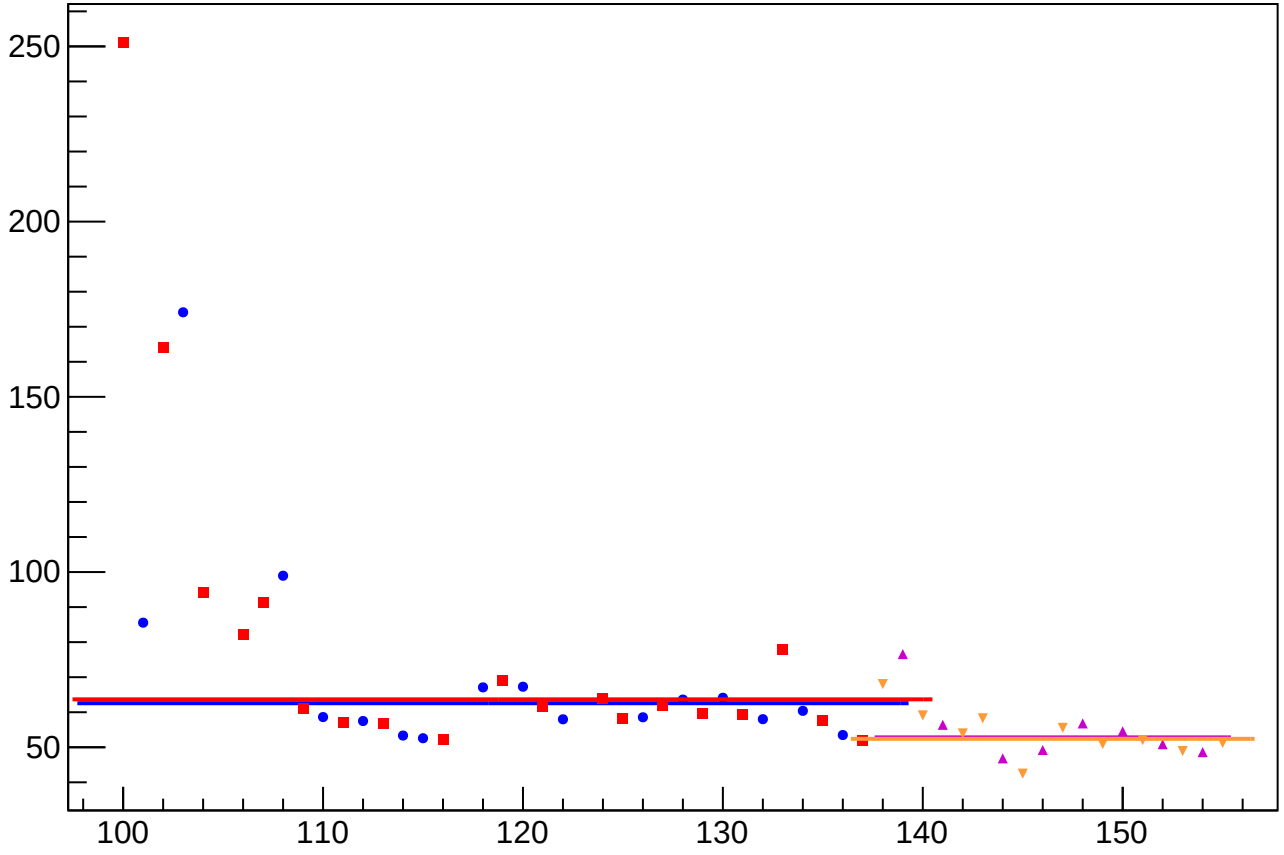
Left In: 44.244+/-20.206 χ^2/NDF:5.2/7

+ sign 3.369+/-14.932 χ^2/NDF: 32.6/25

All: 0.888+/-10.776 χ^2/NDF: 75.9/52

- sign -1.809+/-15.568 χ^2/NDF: 43.2/26

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.411+/-0.013 χ^2/NDF:220542.6/9

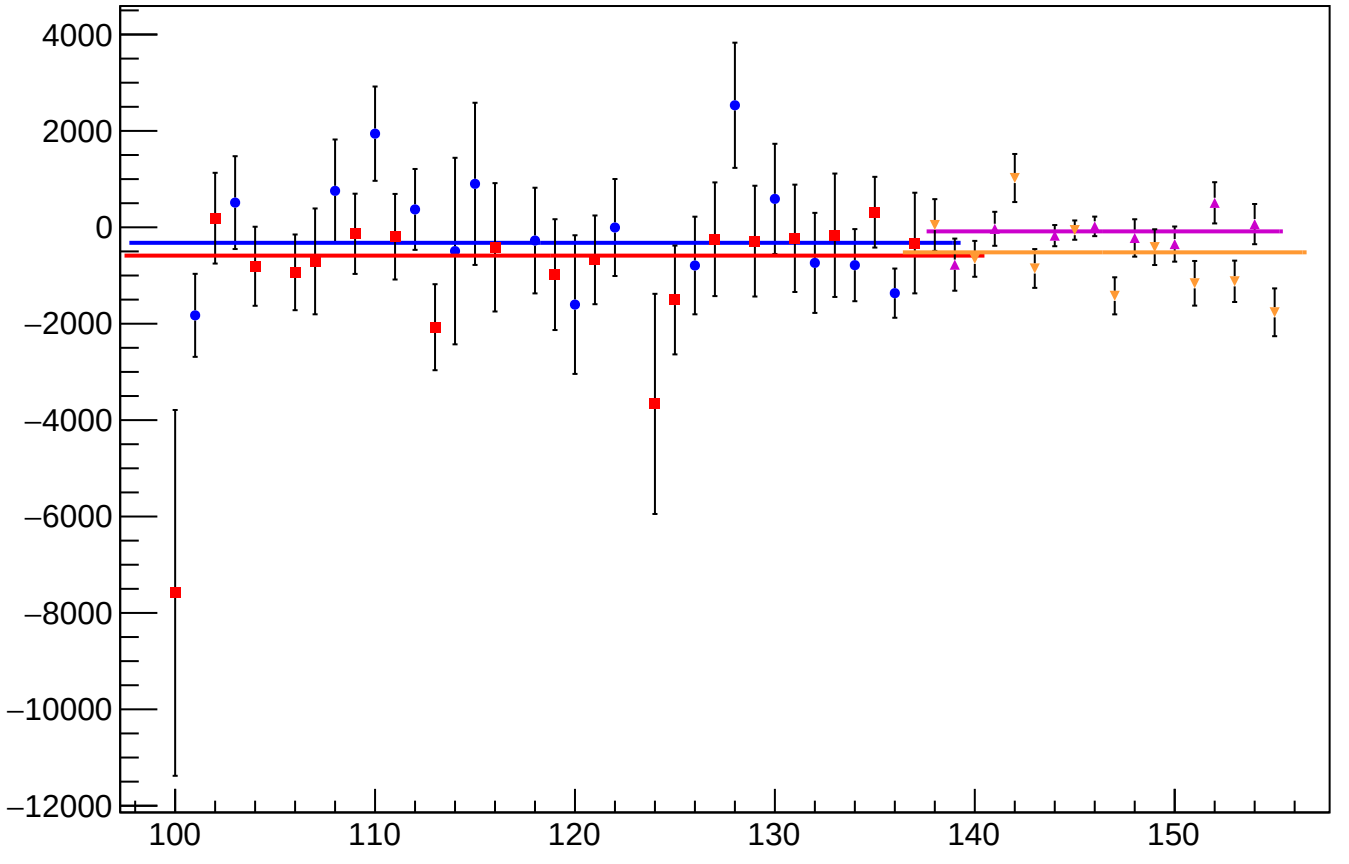
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.824+/-0.014 χ^2/NDF:233178.9/7

+ sign 56.275+/-0.011 χ^2/NDF: 1197149.8/25

All: 56.735+/-0.008 χ^2/NDF: 2500139.2/52

- sign 57.234+/-0.011 χ^2/NDF: 1299040.2/26



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -519.308+/-116.267 χ^2/NDF:32.6/9

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

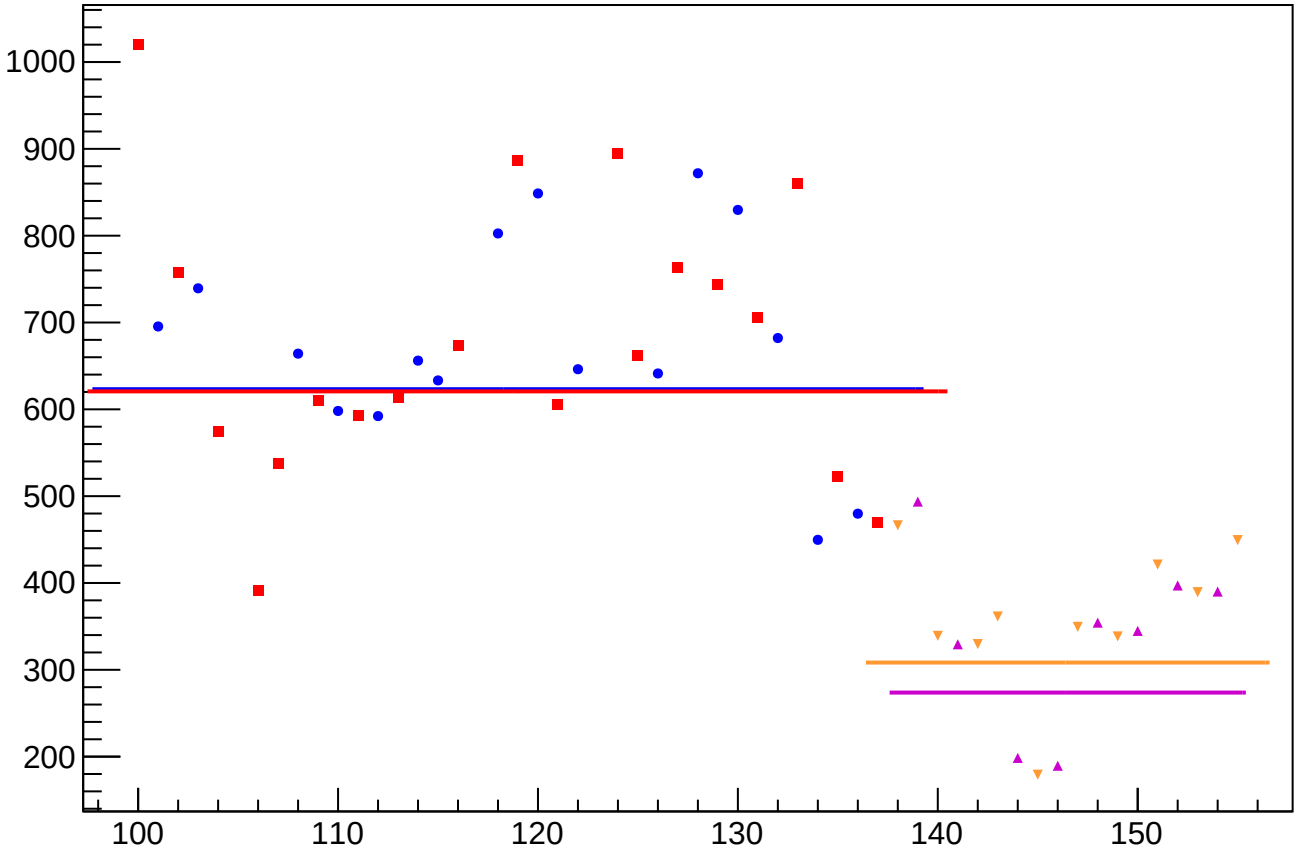
Left In: -84.507+/-110.468 χ^2/NDF:4.8/7

+ sign -481.353+/-104.508 χ^2/NDF: 55.8/25

All: -321.838+/-72.215 χ^2/NDF: 81.0/52

- sign -176.075+/-99.902 χ^2/NDF: 20.7/26

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 308.373+/-0.082 χ^2/NDF:1444095.2/9

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

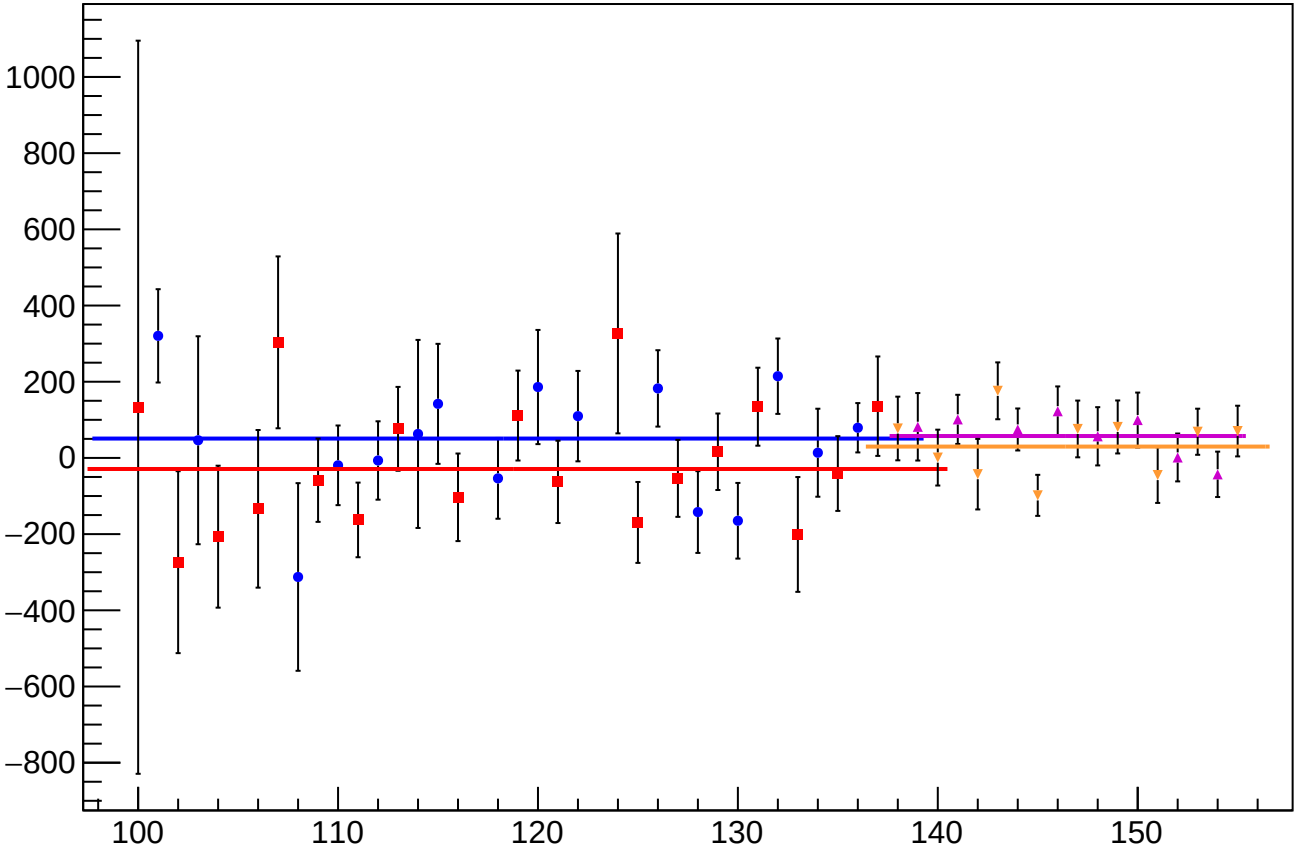
Left In: 273.785+/-0.078 χ^2/NDF:1445620.1/7

+ sign 368.828+/-0.074 χ^2/NDF: 4825466.4/25

All: 352.181+/-0.051 χ^2/NDF: 10570885.7/52

- sign 336.969+/-0.071 χ^2/NDF: 5648303.4/26

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 29.785+/-22.126 χ^2/NDF:13.3/9

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

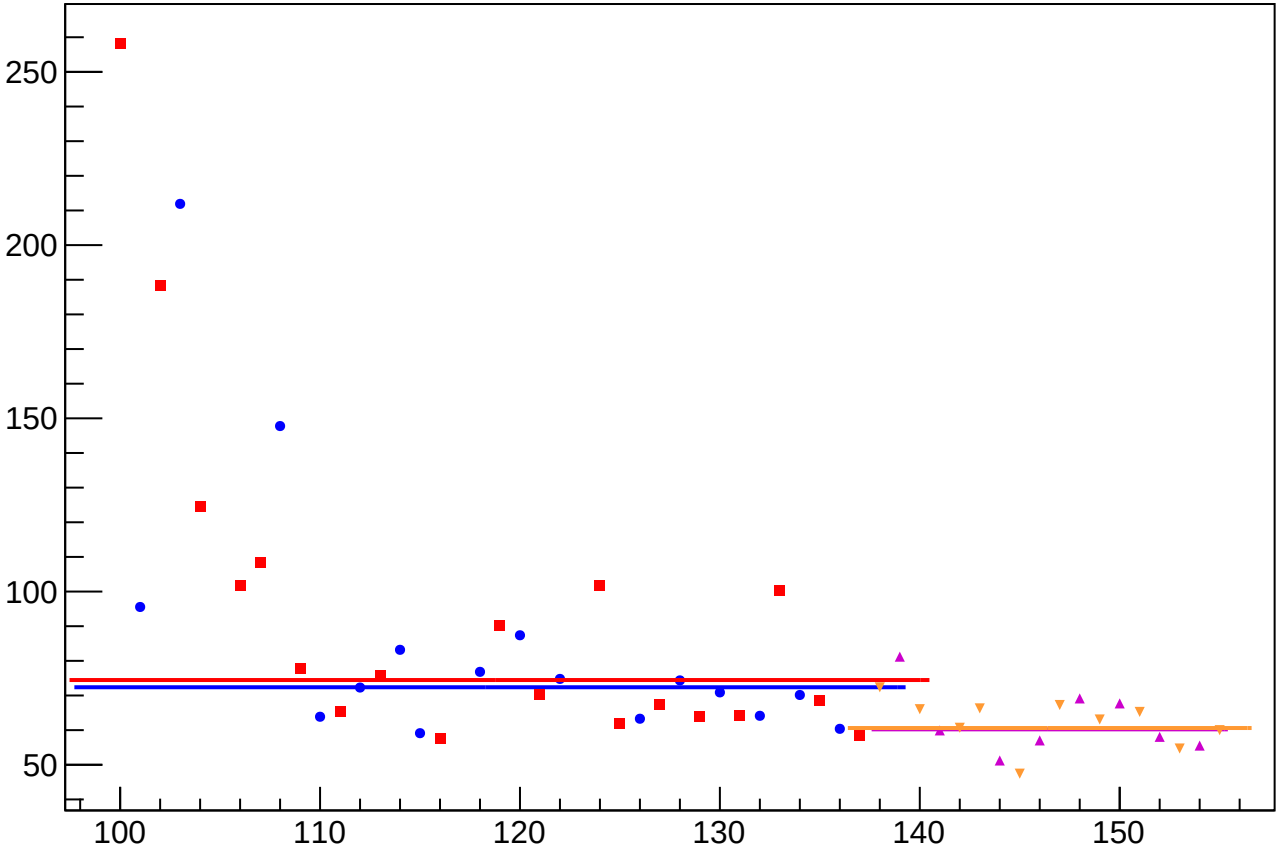
Left In: 57.495+/-23.365 χ^2/NDF:5.6/7

\+ sign 37.767+/-17.435 χ^2/NDF: 36.6/25

All: 30.835+/-12.581 χ^2/NDF: 66.4/52

\- sign 23.304+/-18.172 χ^2/NDF: 29.5/26

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.611+/-0.016 χ^2/NDF:227429.7/9

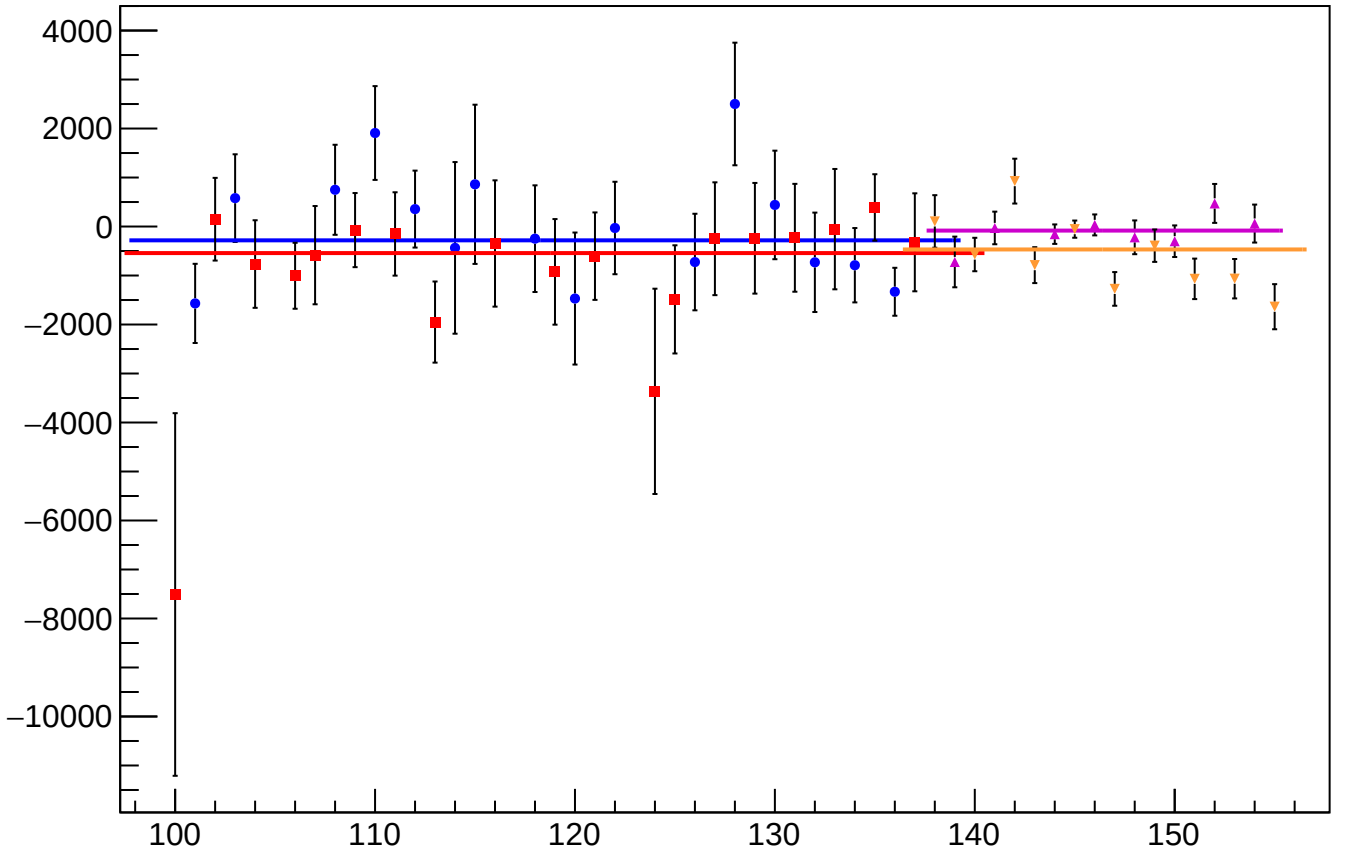
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 60.225+/-0.017 χ^2/NDF:233857.6/7

+ sign 65.072+/-0.012 χ^2/NDF: 1380040.9/25

All: 65.445+/-0.009 χ^2/NDF: 2961556.1/52

- sign 65.851+/-0.013 χ^2/NDF: 1579600.7/26



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -467.992+/-104.741 χ^2/NDF:33.2/9

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

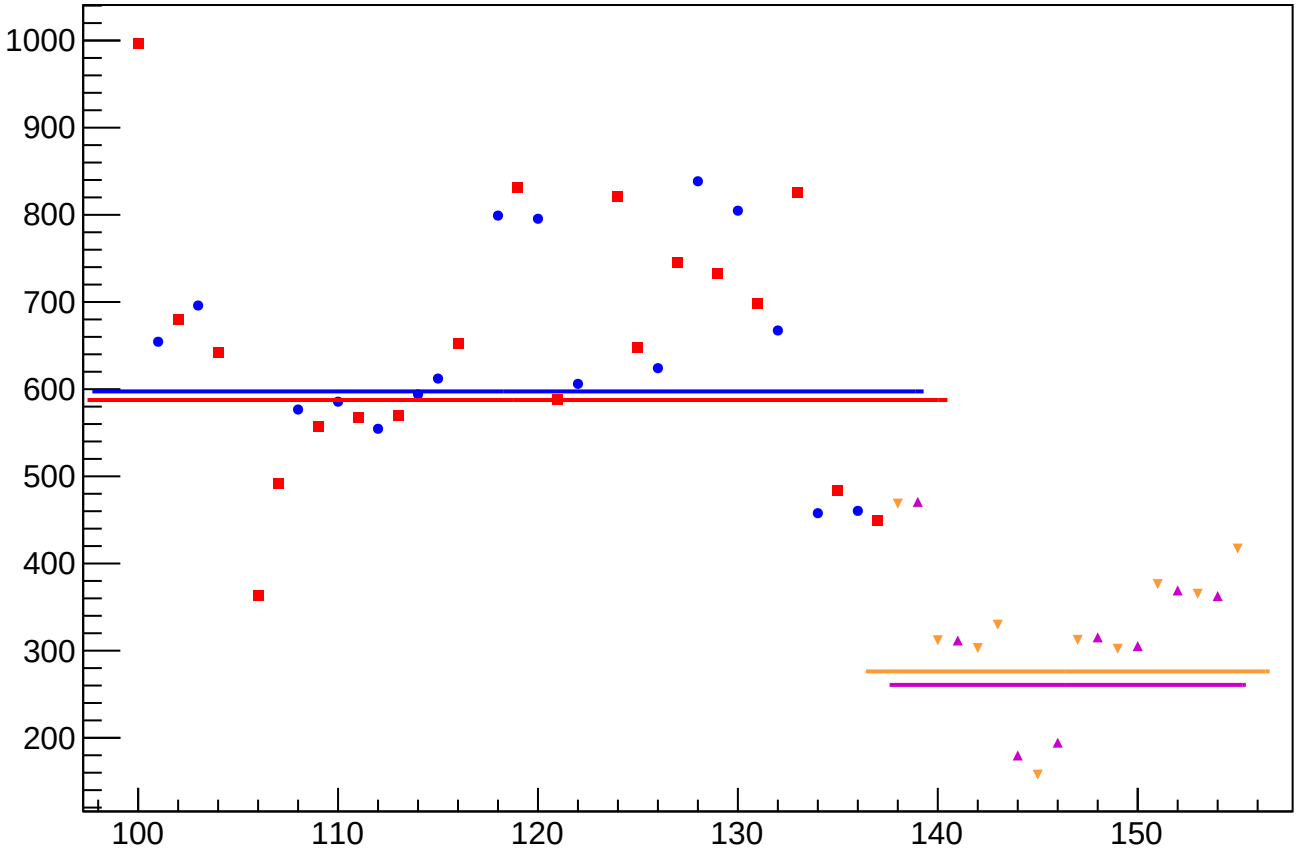
Left In: -82.925+/-104.834 χ^2/NDF:4.7/7

+ sign -435.538+/-95.163 χ^2/NDF: 56.5/25

All: -300.786+/-67.130 χ^2/NDF: 82.0/52

- sign -167.315+/-94.710 χ^2/NDF: 21.5/26

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 276.173+/-0.074 χ^2/NDF:1678367.8/9

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

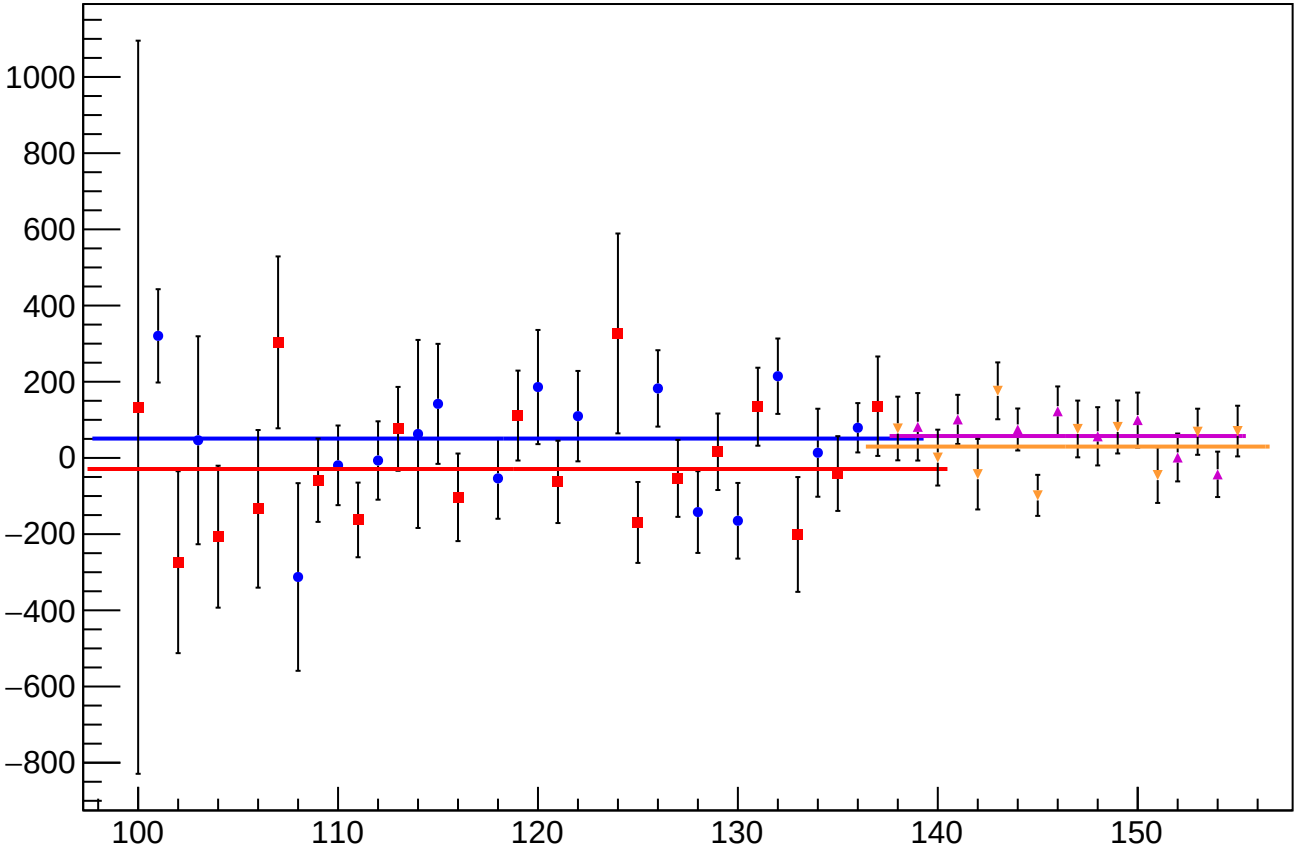
Left In: 260.740+/-0.074 χ^2/NDF:1275985.1/7

\+ sign 332.244+/-0.067 χ^2/NDF: 5496066.5/25

All: 326.502+/-0.047 χ^2/NDF: 11048643.2/52

\- sign 320.816+/-0.067 χ^2/NDF: 5538086.3/26

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 29.787+/-22.126 χ^2/NDF:13.3/9

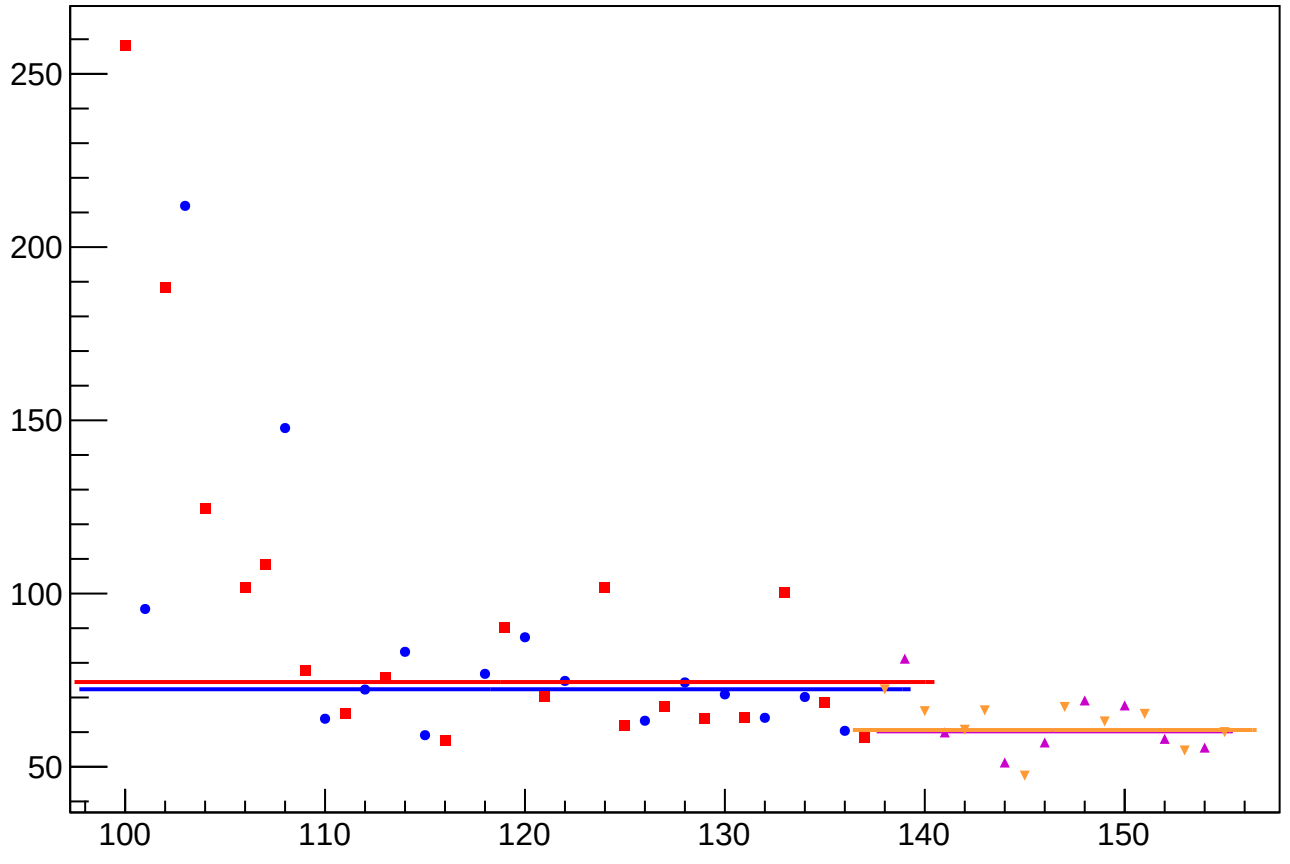
Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: 57.495+/-23.365 χ^2/NDF:5.6/7

+ sign 37.768+/-17.435 χ^2/NDF: 36.6/25

All: 30.835+/-12.581 χ^2/NDF: 66.4/52

- sign 23.304+/-18.172 χ^2/NDF: 29.5/26



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.611+/-0.016 χ^2/NDF:227439.7/9

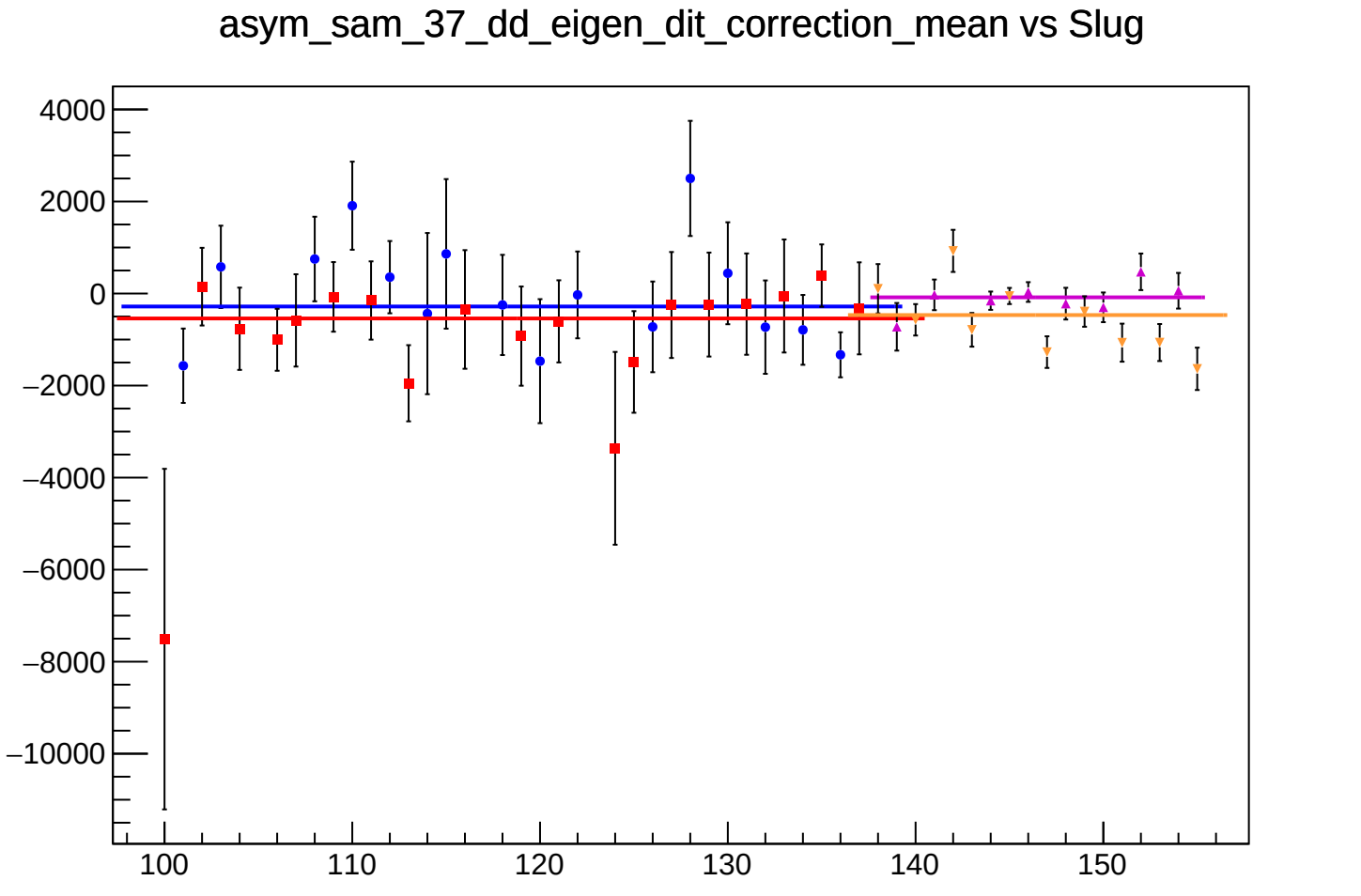
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 60.225+/-0.017 χ^2/NDF:233859.0/7

+ sign 65.072+/-0.012 χ^2/NDF: 1380040.5/25

All: 65.445+/-0.009 χ^2/NDF: 2961539.2/52

- sign 65.851+/-0.013 χ^2/NDF: 1579584.2/26



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -467.992+/-104.741 χ^2/NDF:33.2/9

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

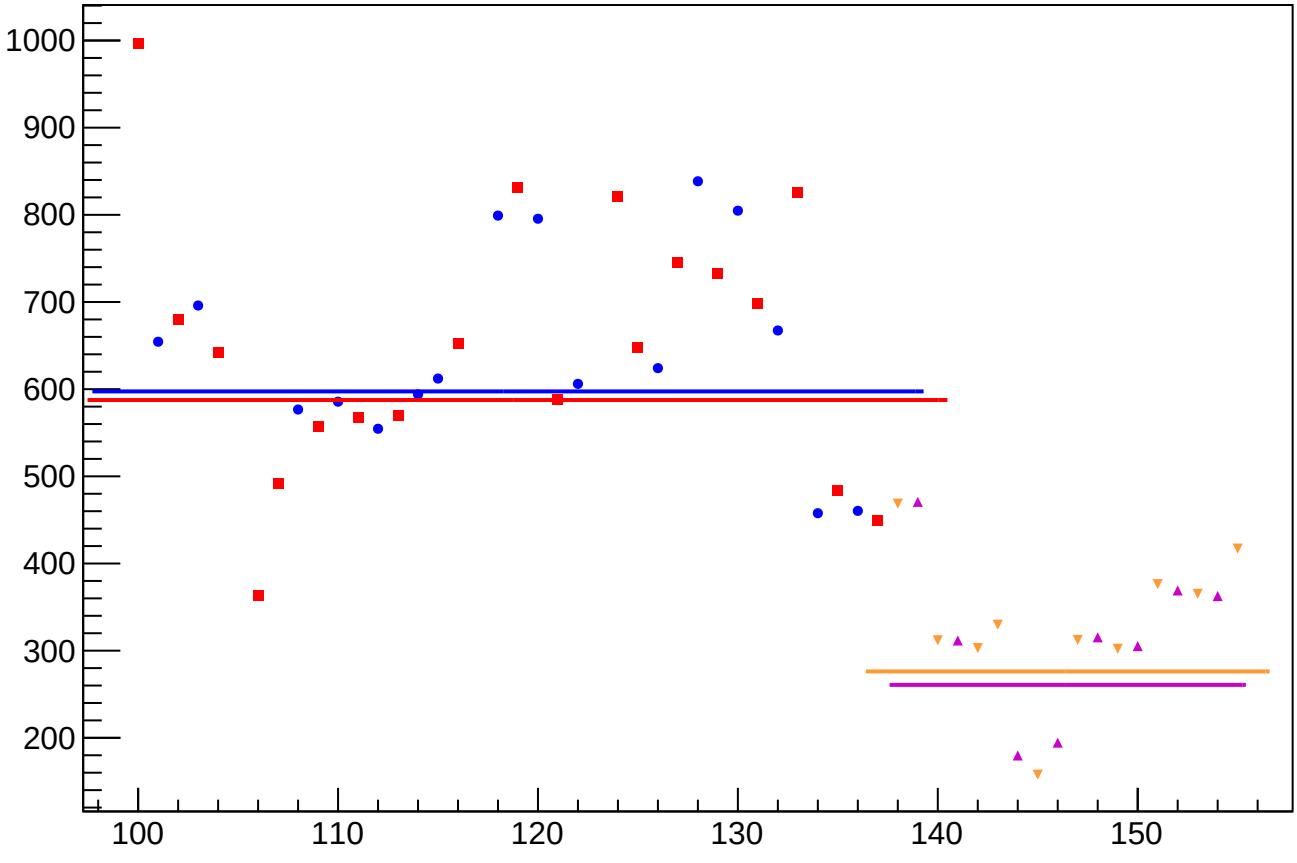
Left In: -82.924+/-104.834 χ^2/NDF:4.7/7

+ sign -435.538+/-95.163 χ^2/NDF: 56.5/25

All: -300.786+/-67.130 χ^2/NDF: 82.0/52

- sign -167.315+/-94.710 χ^2/NDF: 21.5/26

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 276.173+/-0.074 χ^2/NDF:1678357.7/9

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

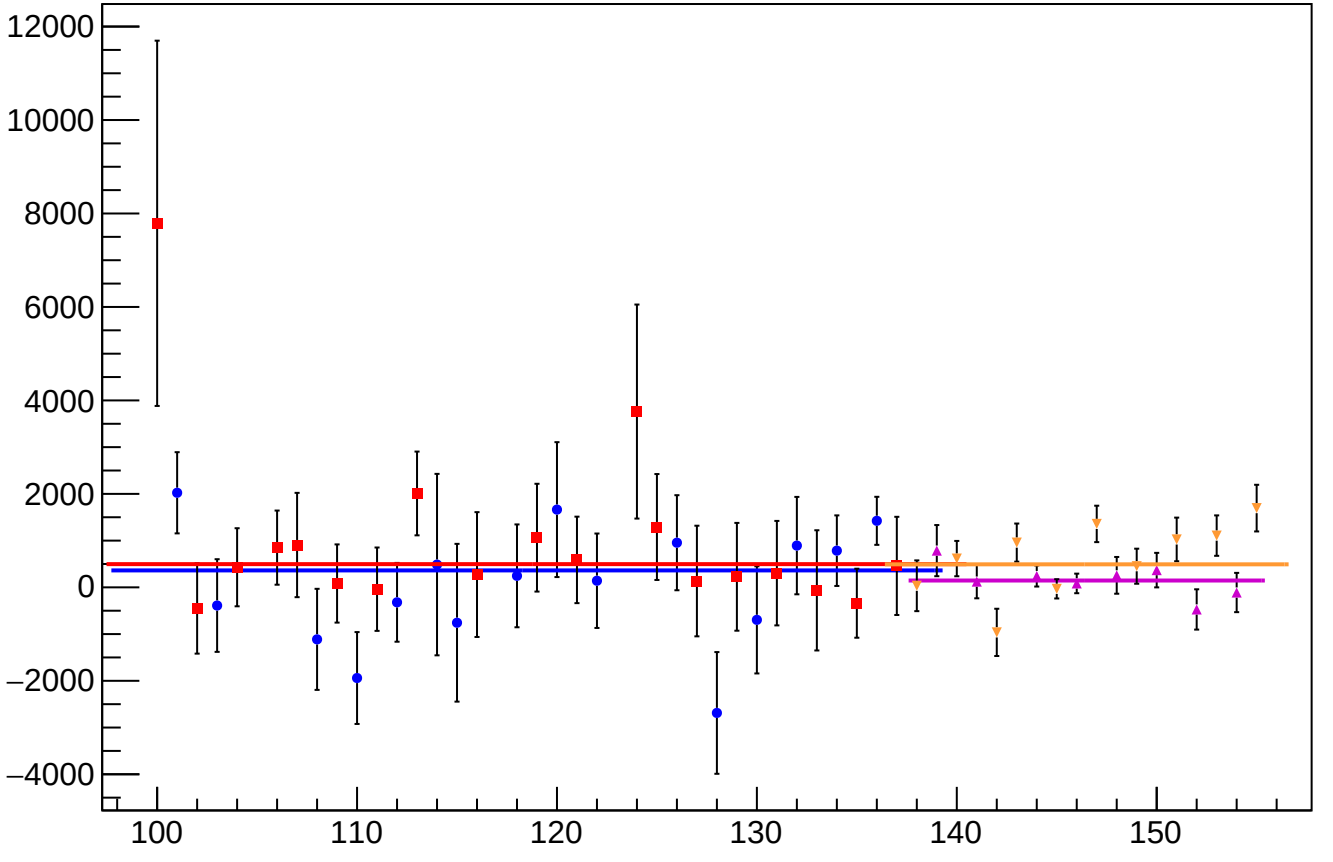
Left In: 260.740+/-0.074 χ^2/NDF:1275978.8/7

\+ sign 332.244+/-0.067 χ^2/NDF: 5496063.2/25

All: 326.502+/-0.047 χ^2/NDF: 11048636.0/52

\- sign 320.815+/-0.067 χ^2/NDF: 5538082.1/26

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 492.573+/-118.251 χ^2/NDF:31.0/9

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

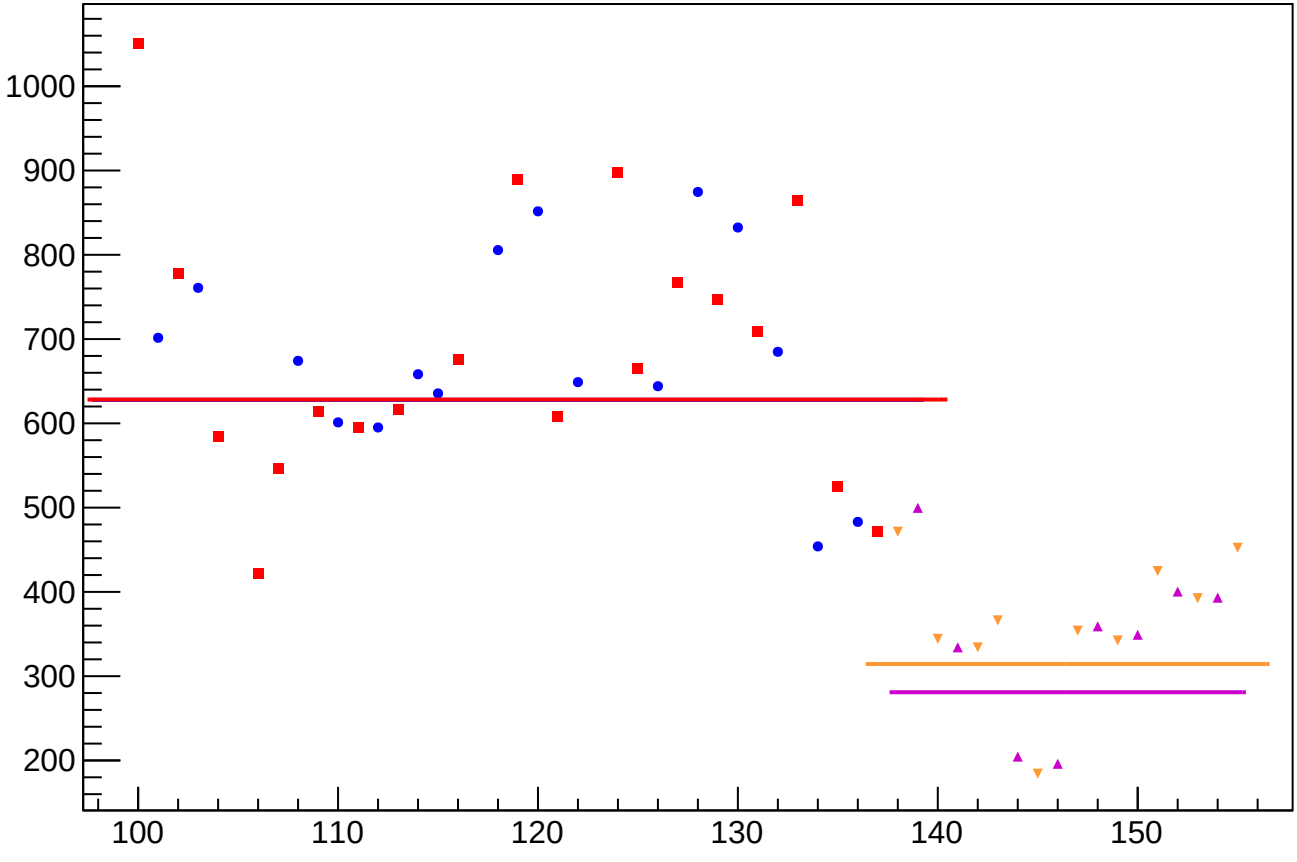
Left In: 146.188+/-112.942 χ^2/NDF:4.5/7

+ sign 467.193+/-106.100 χ^2/NDF: 56.3/25

All: 334.149+/-73.486 χ^2/NDF: 78.3/52

- sign 211.481+/-101.879 χ^2/NDF: 19.0/26

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 314.422+/-0.084 χ^2/NDF:1373966.3/9

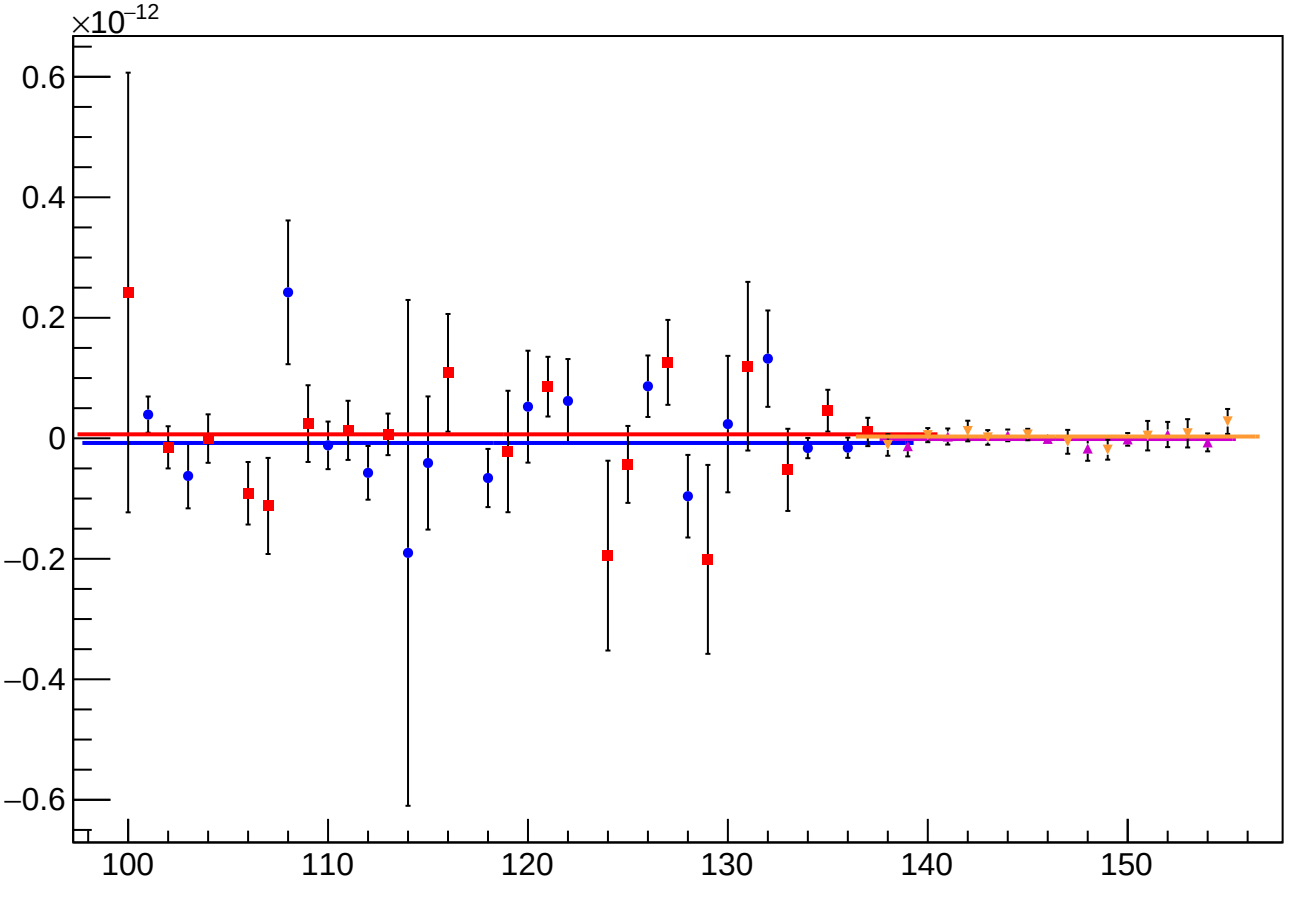
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 280.948+/-0.080 χ^2/NDF:1364932.9/7

+ sign 375.532+/-0.075 χ^2/NDF: 4680692.5/25

All: 359.987+/-0.052 χ^2/NDF: 10222605.3/52

- sign 345.654+/-0.072 χ^2/NDF: 5459395.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/9

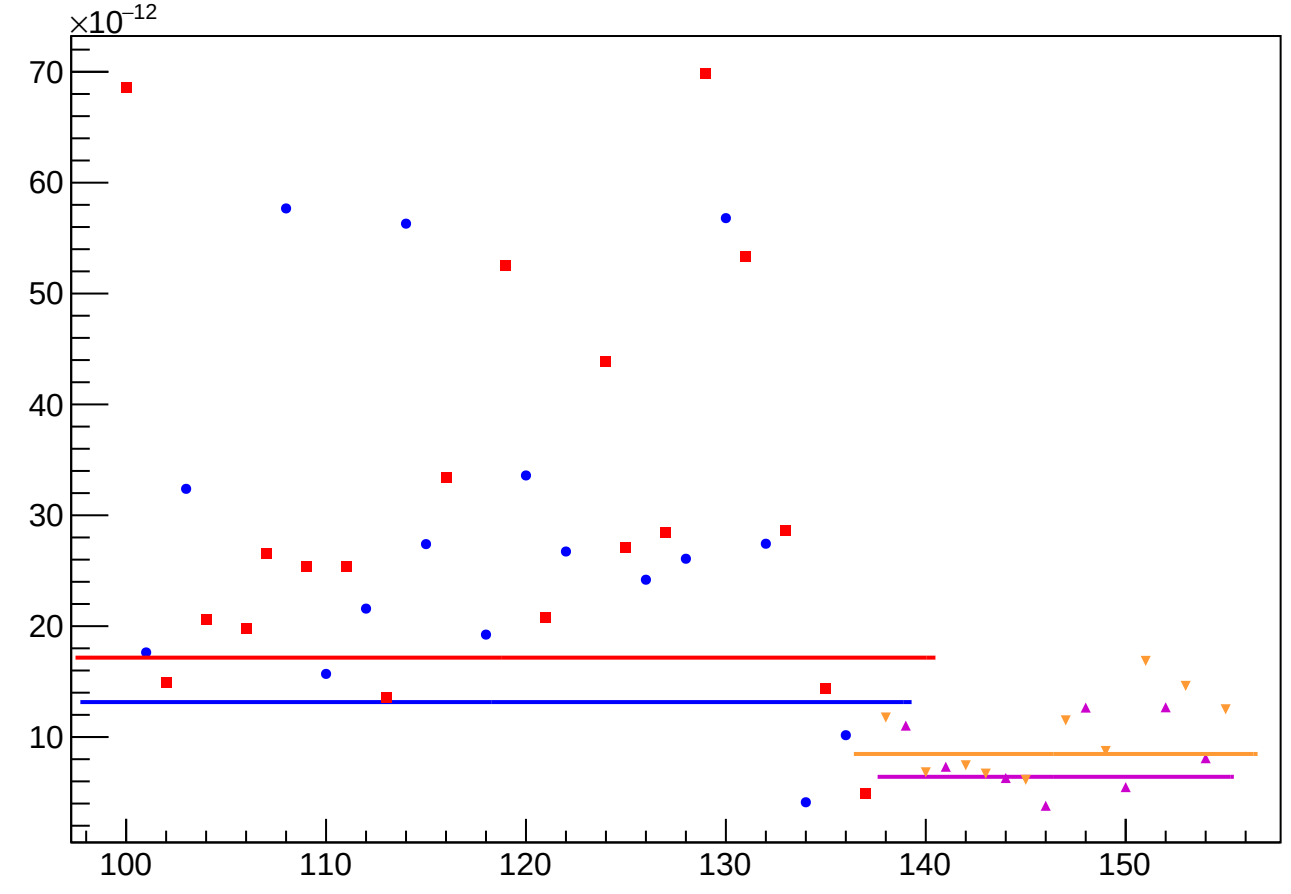
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 26.5/25

All: 0.000+/-0.000 χ^2/NDF: 48.8/52

- sign -0.000+/-0.000 χ^2/NDF: 22.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:771809.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

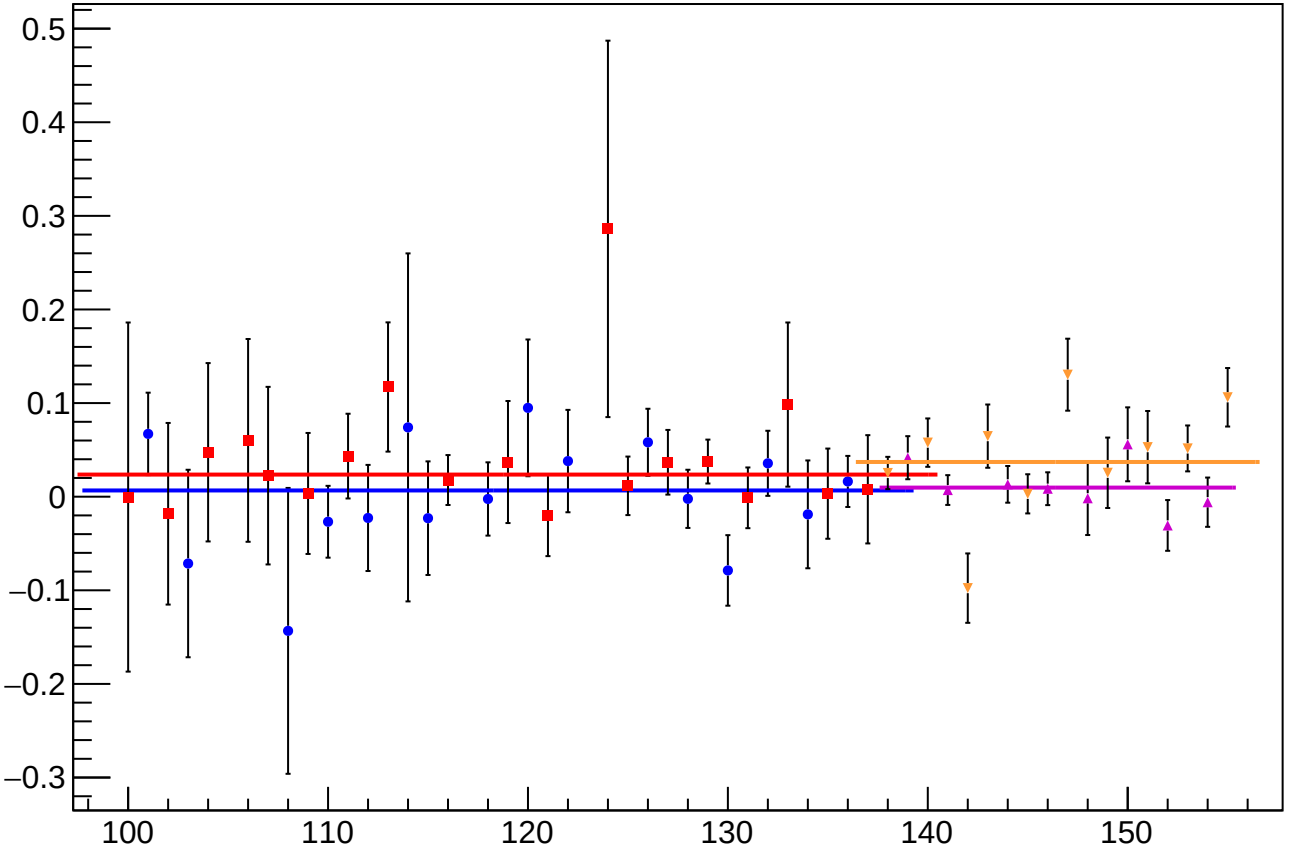
Left In: 0.000+/-0.000 χ^2/NDF:815963.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 3250396.2/25

All: 0.000+/-0.000 χ^2/NDF: 7429178.6/52

- sign 0.000+/-0.000 χ^2/NDF: 3994482.9/26

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: 0.037+/-0.009 χ^2/NDF:29.0/9

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

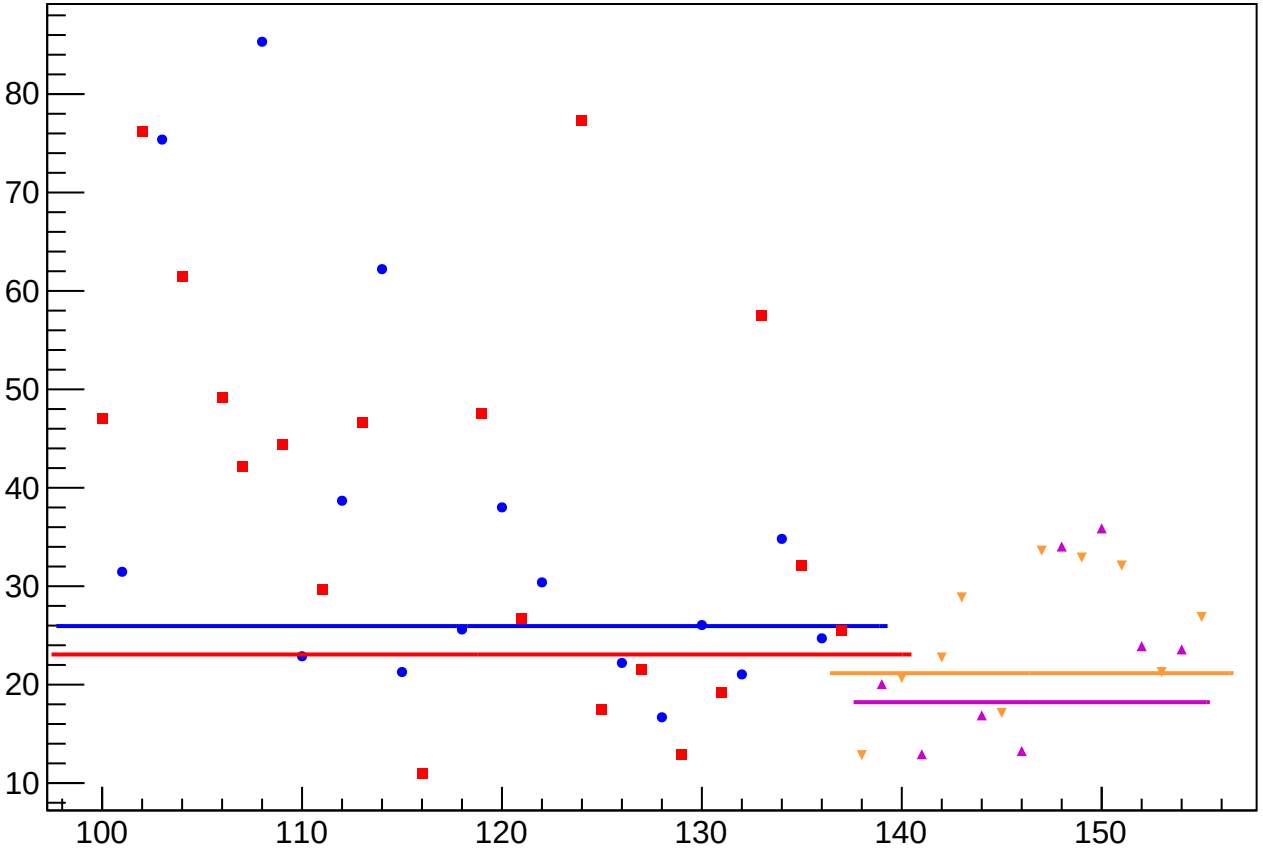
Left In: 0.010+/-0.008 χ^2/NDF:6.0/7

+ sign 0.026+/-0.007 χ^2/NDF: 48.7/25

All: 0.020+/-0.005 χ^2/NDF: 64.7/52

- sign 0.015+/-0.006 χ^2/NDF: 14.7/26

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: 21.167+/-0.006 χ^2/NDF:1280375.3/9

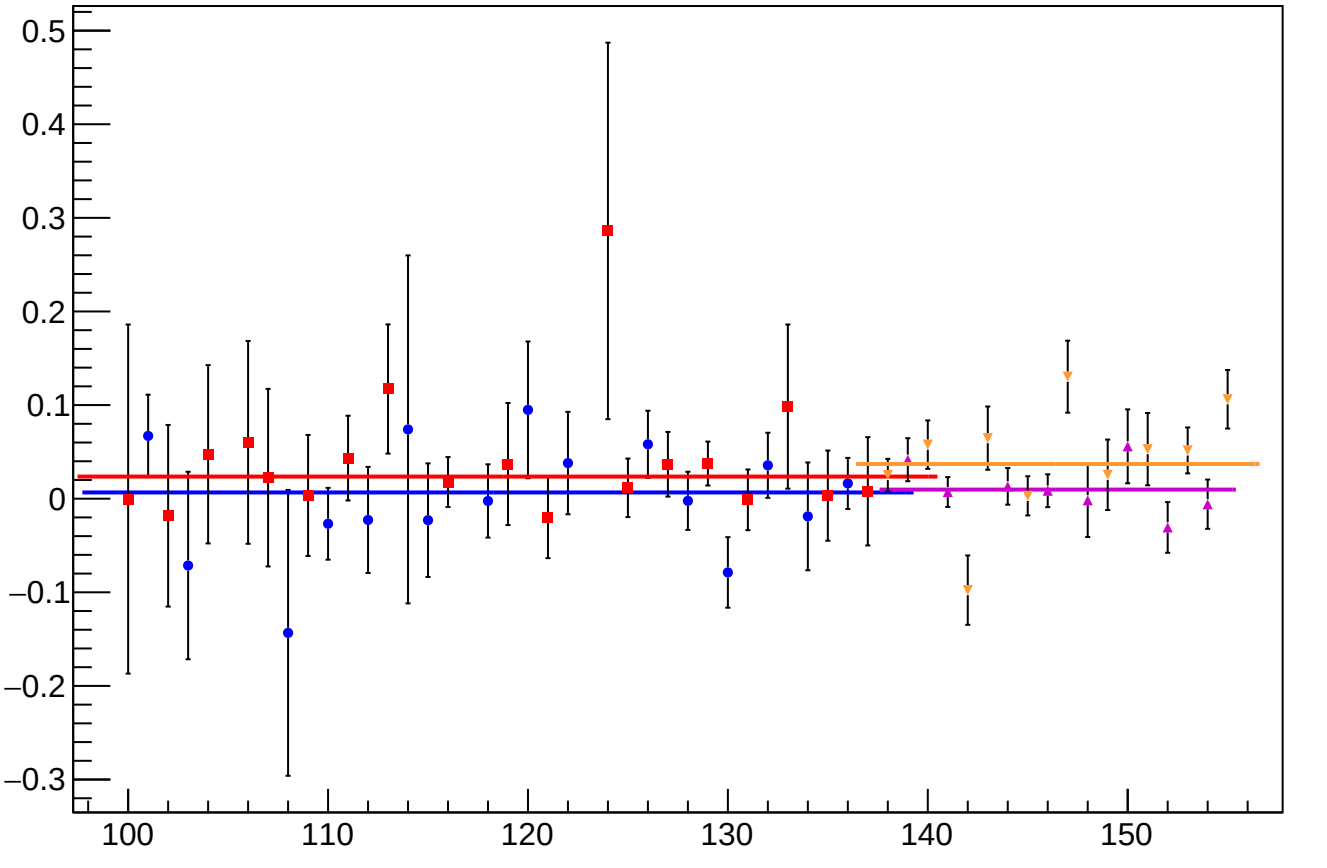
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 18.219+/-0.006 χ^2/NDF:1298632.2/7

+ sign 22.964+/-0.005 χ^2/NDF: 2893797.4/25

All: 21.370+/-0.003 χ^2/NDF: 8028873.5/52

- sign 19.986+/-0.004 χ^2/NDF: 4930099.3/26



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.037+/-0.009 χ^2/NDF:29.0/9

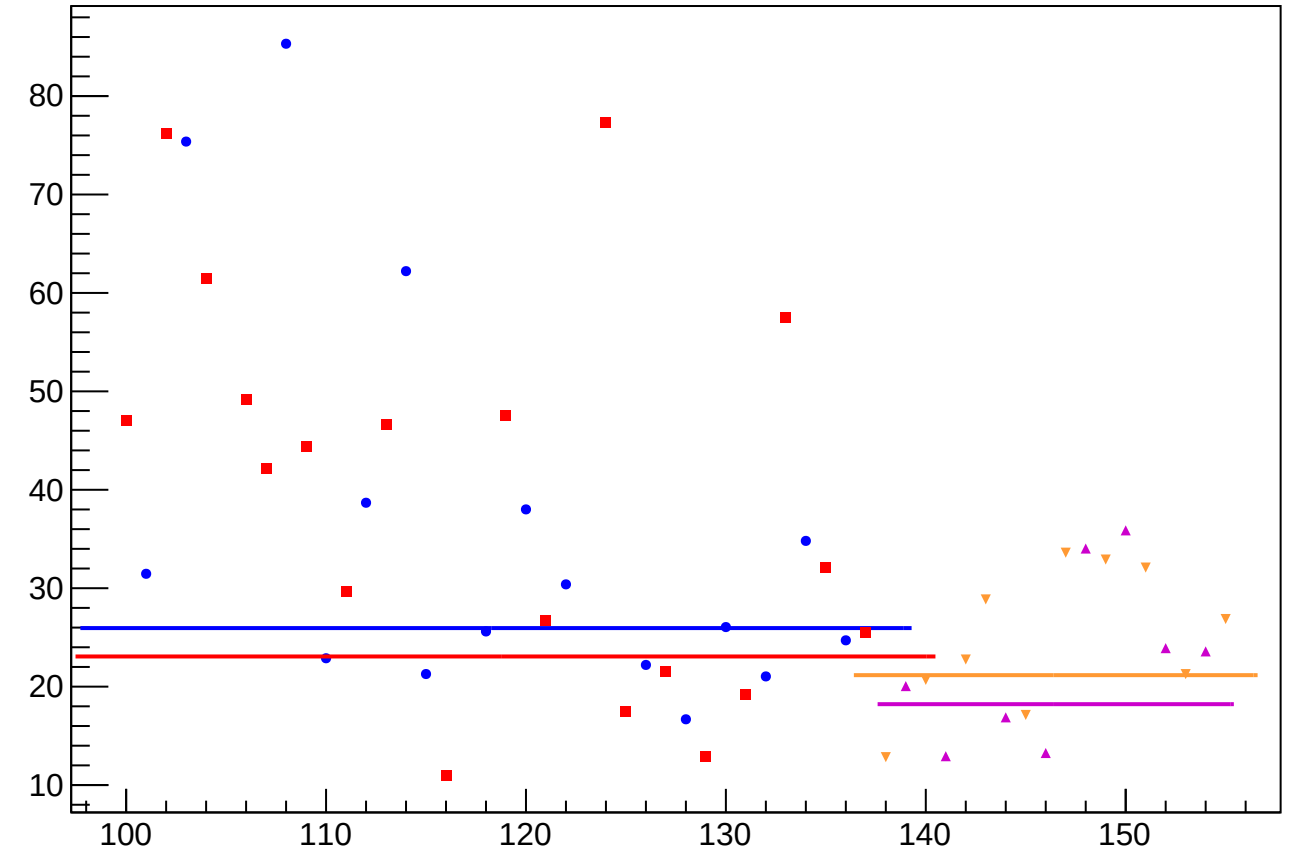
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.010+/-0.008 χ^2/NDF:6.0/7

+ sign 0.026+/-0.007 χ^2/NDF: 48.7/25

All: 0.020+/-0.005 χ^2/NDF: 64.7/52

- sign 0.015+/-0.006 χ^2/NDF: 14.7/26



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 21.167+/-0.006 χ^2/NDF:1280375.3/9

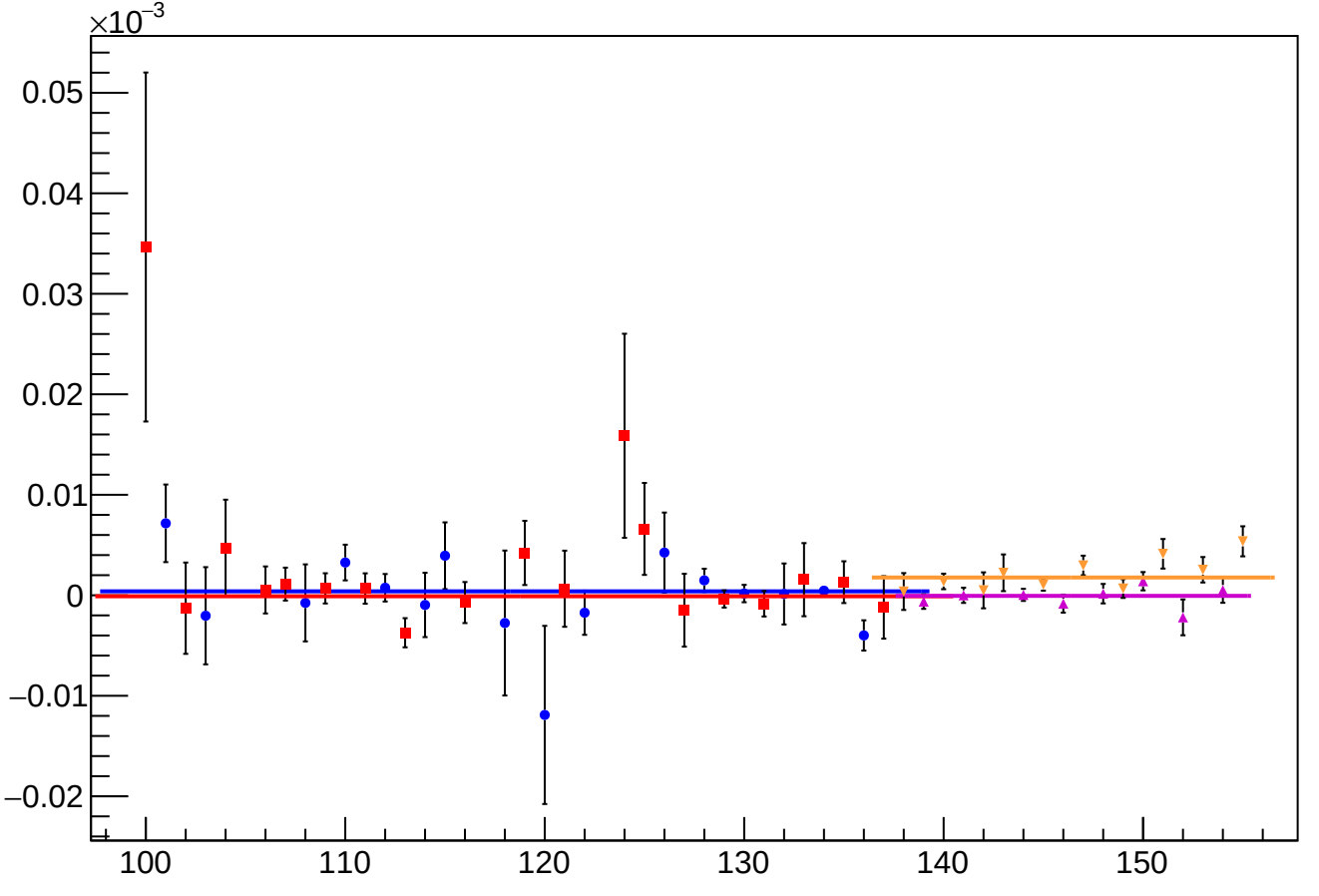
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 18.219+/-0.006 χ^2/NDF:1298632.2/7

+ sign 22.964+/-0.005 χ^2/NDF: 2893797.4/25

All: 21.370+/-0.003 χ^2/NDF: 8028873.5/52

- sign 19.986+/-0.004 χ^2/NDF: 4930099.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/9

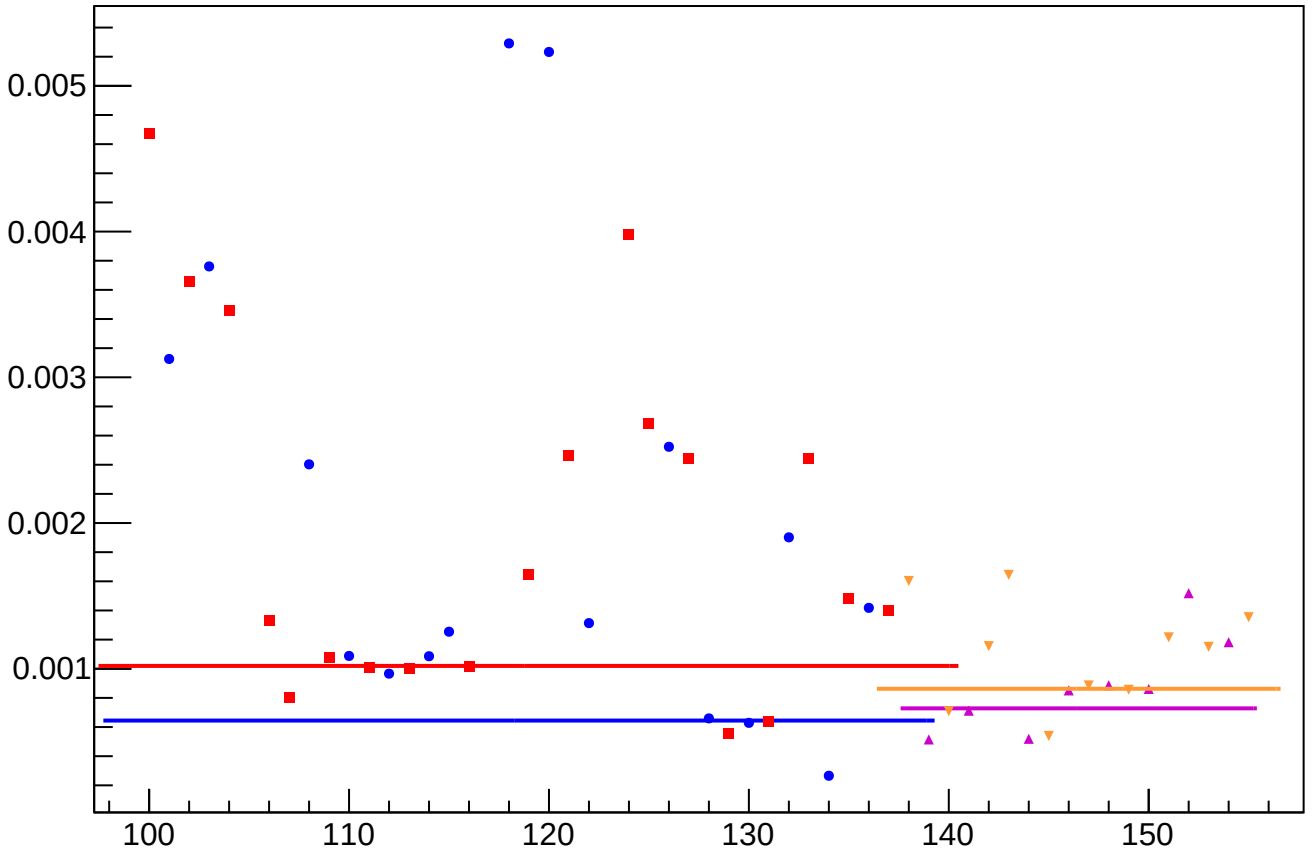
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/25

All: 0.000+/-0.000 χ^2/NDF: 81.0/52

- sign -0.000+/-0.000 χ^2/NDF: 26.1/26



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1820687.1/9

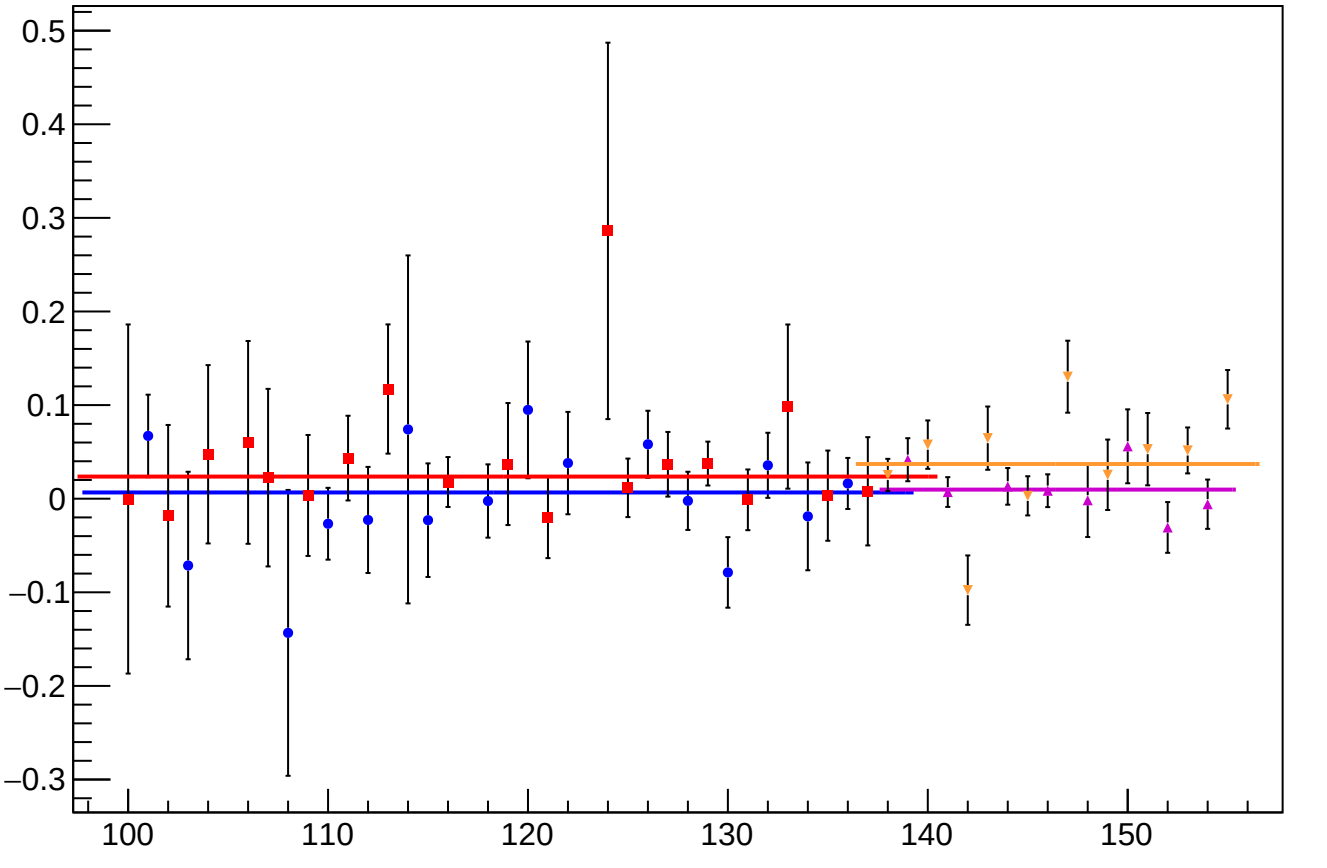
Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:1202346.1/7

+ sign 0.001+/-0.000 χ^2/NDF: 8815628.5/25

All: 0.001+/-0.000 χ^2/NDF: 14323594.4/52

- sign 0.001+/-0.000 χ^2/NDF: 5440900.3/26



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.037+/-0.009 χ^2/NDF:29.0/9

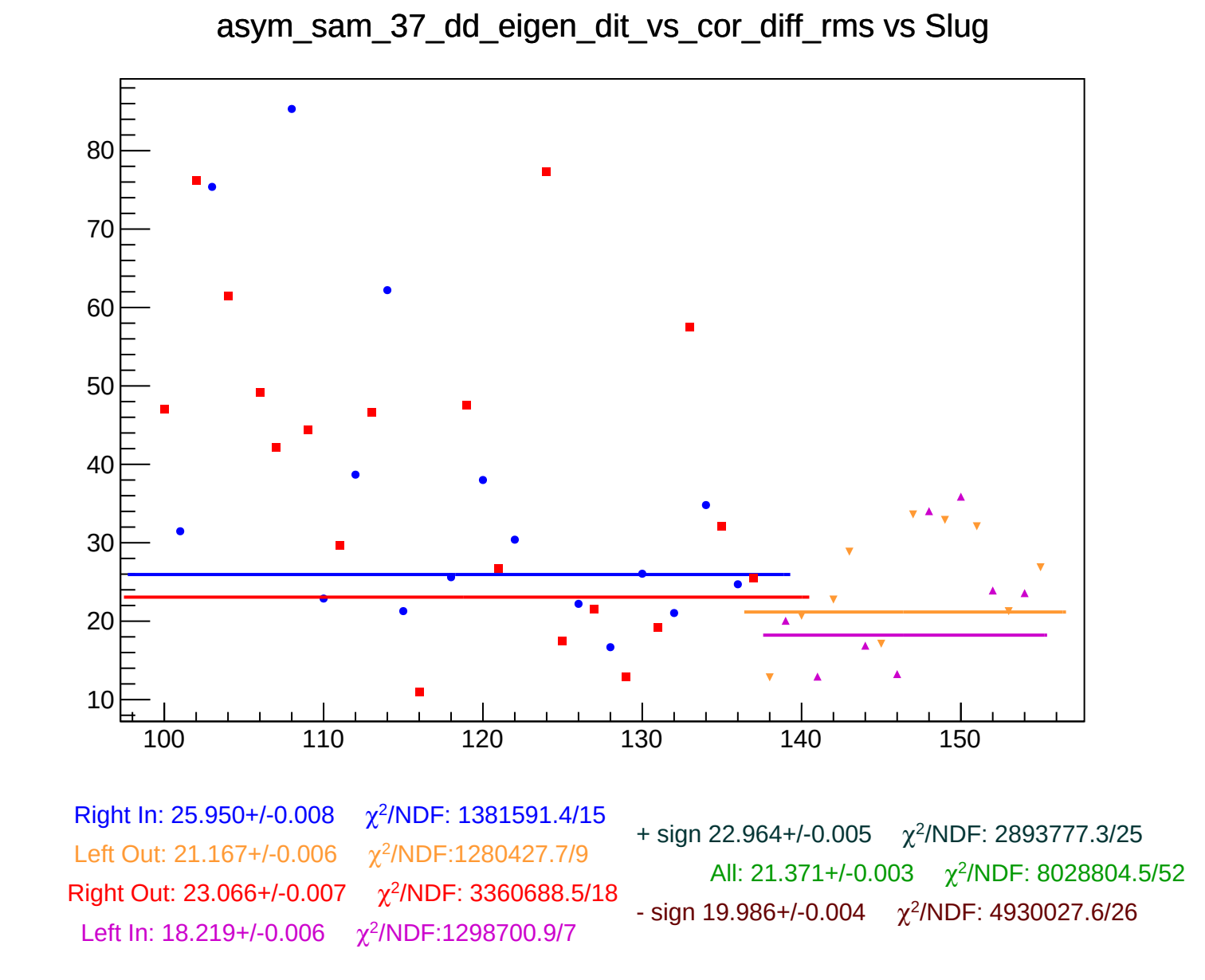
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

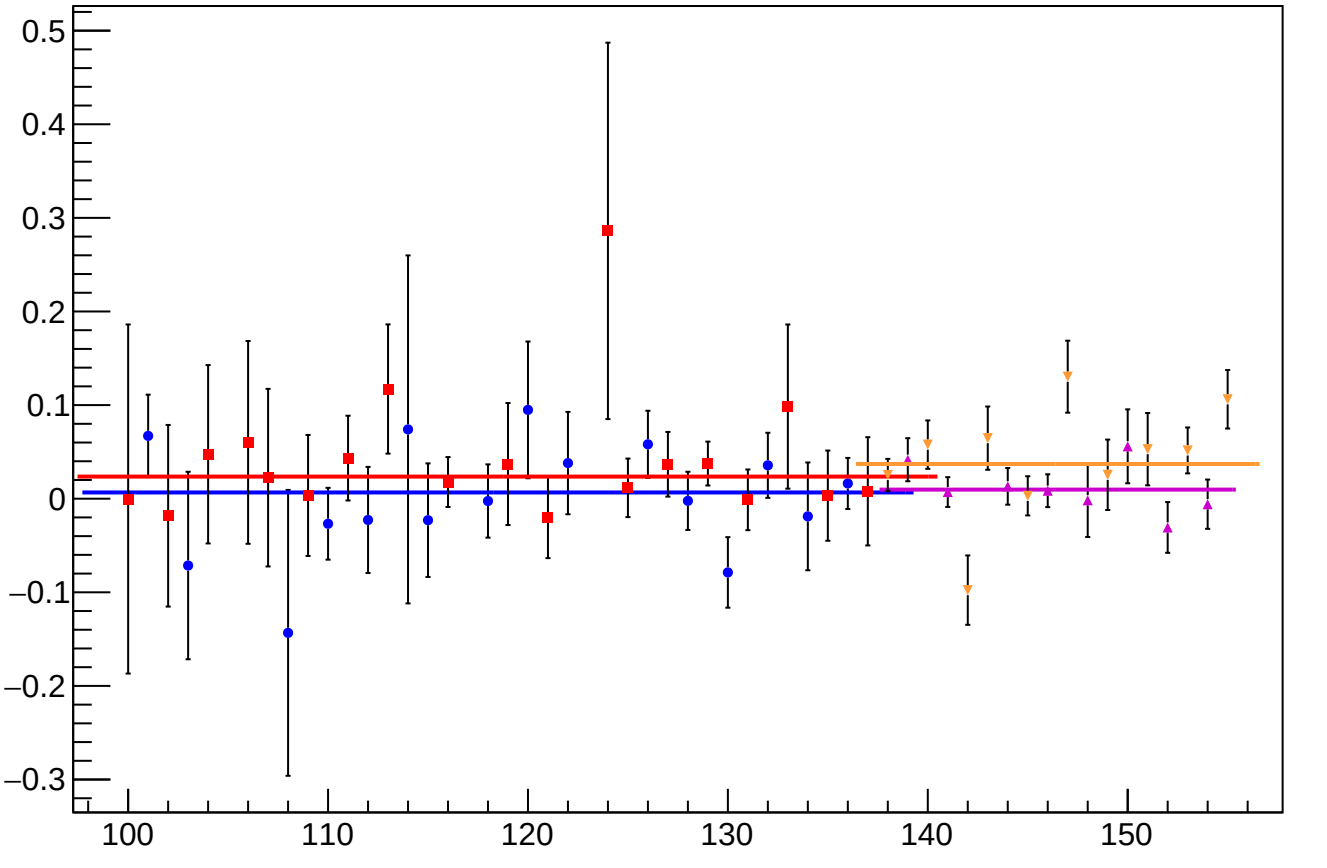
Left In: 0.010+/-0.008 χ^2/NDF:6.0/7

+ sign 0.026+/-0.007 χ^2/NDF: 48.7/25

All: 0.020+/-0.005 χ^2/NDF: 64.7/52

- sign 0.015+/-0.006 χ^2/NDF: 14.7/26


asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 25.950+/-0.008 χ²/NDF: 1381591.4/15
Left Out: 21.167+/-0.006 χ²/NDF:1280427.7/9
Right Out: 23.066+/-0.007 χ²/NDF: 3360688.5/18
Left In: 18.219+/-0.006 χ²/NDF:1298700.9/7
+ sign 22.964+/-0.005 χ²/NDF: 2893777.3/25
All: 21.371+/-0.003 χ²/NDF: 8028804.5/52
- sign 19.986+/-0.004 χ²/NDF: 4930027.6/26



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.037+/-0.009 χ^2/NDF:29.0/9

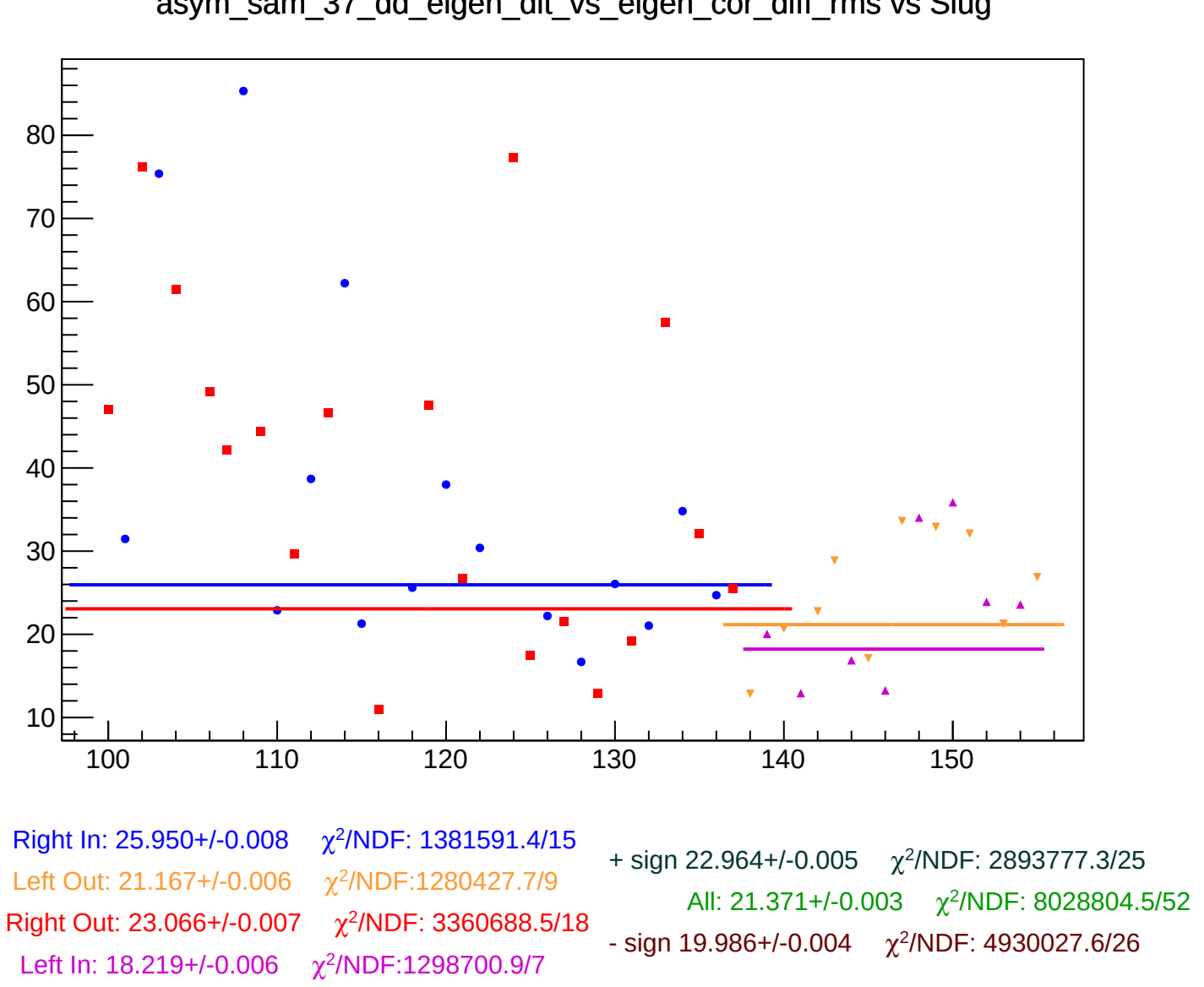
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.010+/-0.008 χ^2/NDF:6.0/7

+ sign 0.026+/-0.007 χ^2/NDF: 48.7/25

All: 0.020+/-0.005 χ^2/NDF: 64.7/52

- sign 0.015+/-0.006 χ^2/NDF: 14.7/26


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
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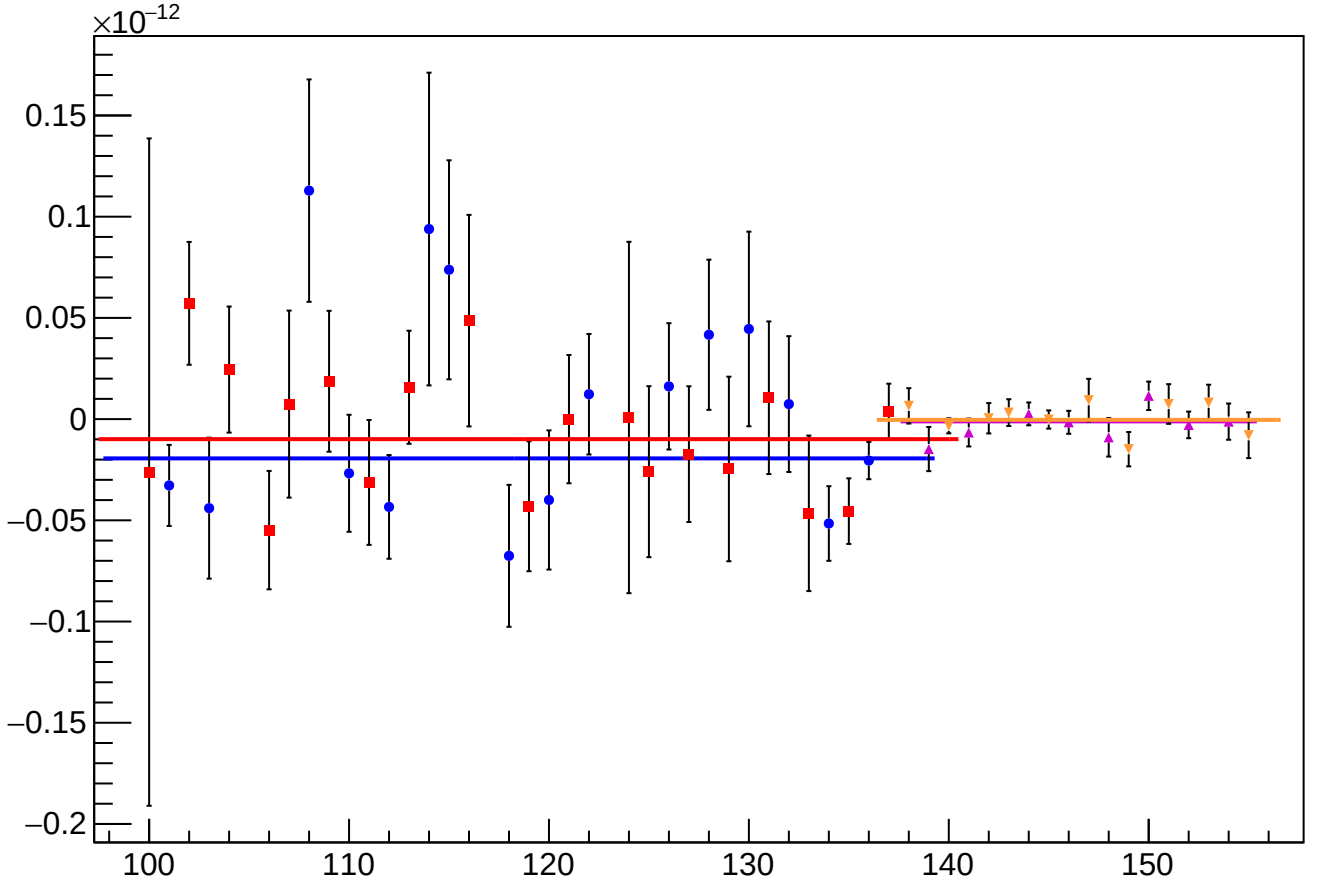
140
150
Right In: 25.950+/-0.008 χ²/NDF: 1381591.4/15
Left Out: 21.167+/-0.006 χ²/NDF:1280427.7/9
Right Out: 23.066+/-0.007 χ²/NDF: 3360688.5/18
Left In: 18.219+/-0.006 χ²/NDF:1298700.9/7
+ sign 22.964+/-0.005 χ²/NDF: 2893777.3/25
All: 21.371+/-0.003 χ²/NDF: 8028804.5/52
- sign 19.986+/-0.004 χ²/NDF: 4930027.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/9

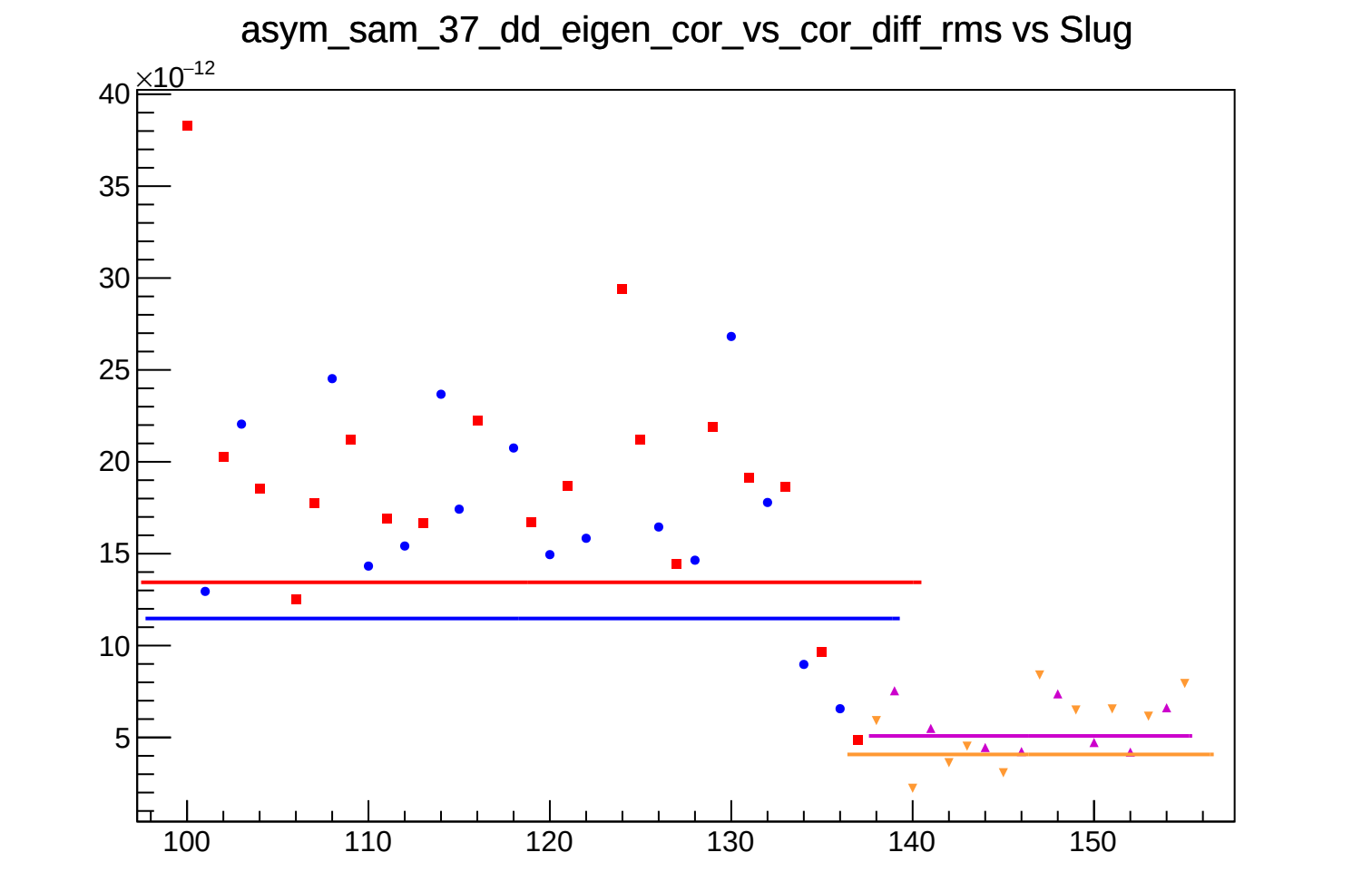
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/25

All: -0.000+/-0.000 χ^2/NDF: 70.3/52

- sign -0.000+/-0.000 χ^2/NDF: 28.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1661271.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

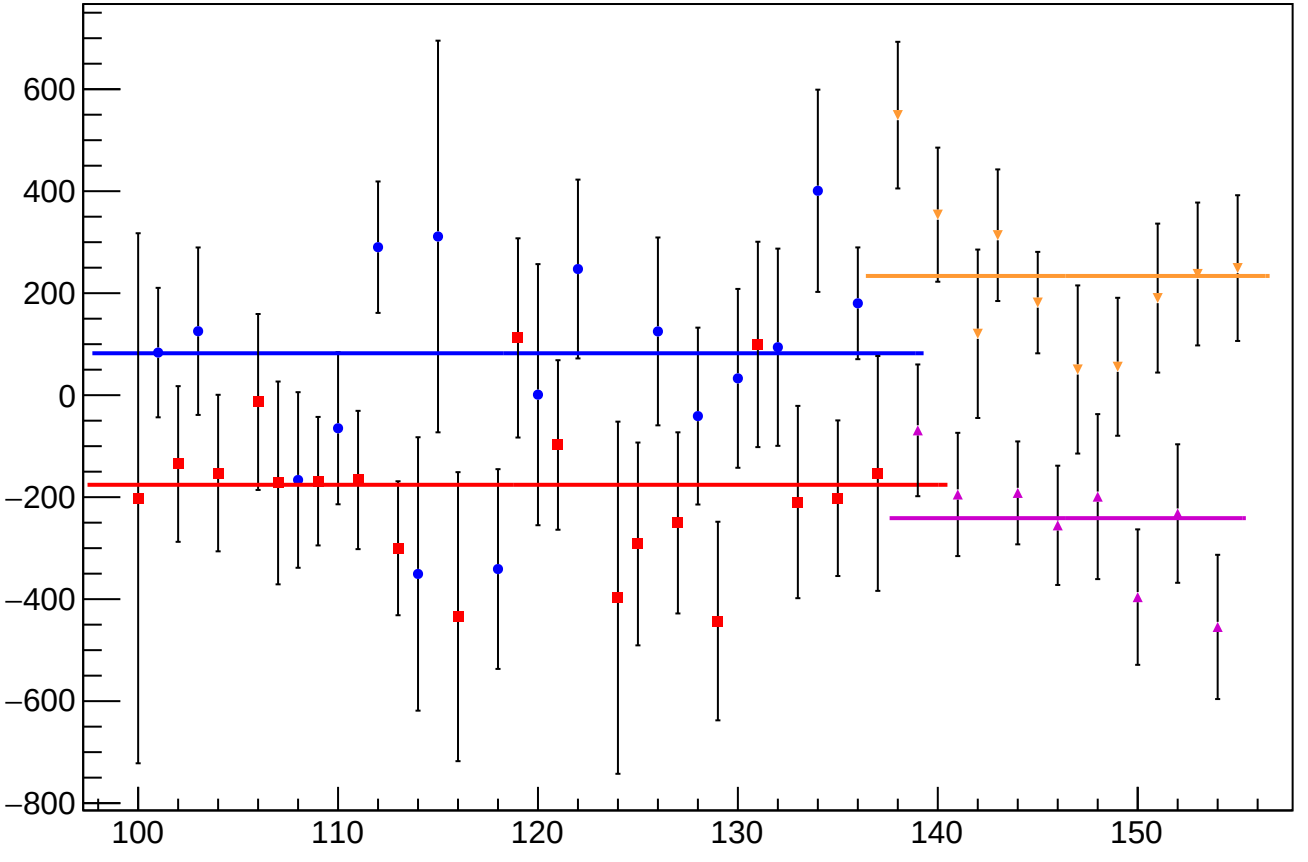
Left In: 0.000+/-0.000 χ^2/NDF:393476.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 5945628.0/25

All: 0.000+/-0.000 χ^2/NDF: 11003759.3/52

- sign 0.000+/-0.000 χ^2/NDF: 4741747.5/26

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.785+/-42.943 χ^2/NDF:9.8/9

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

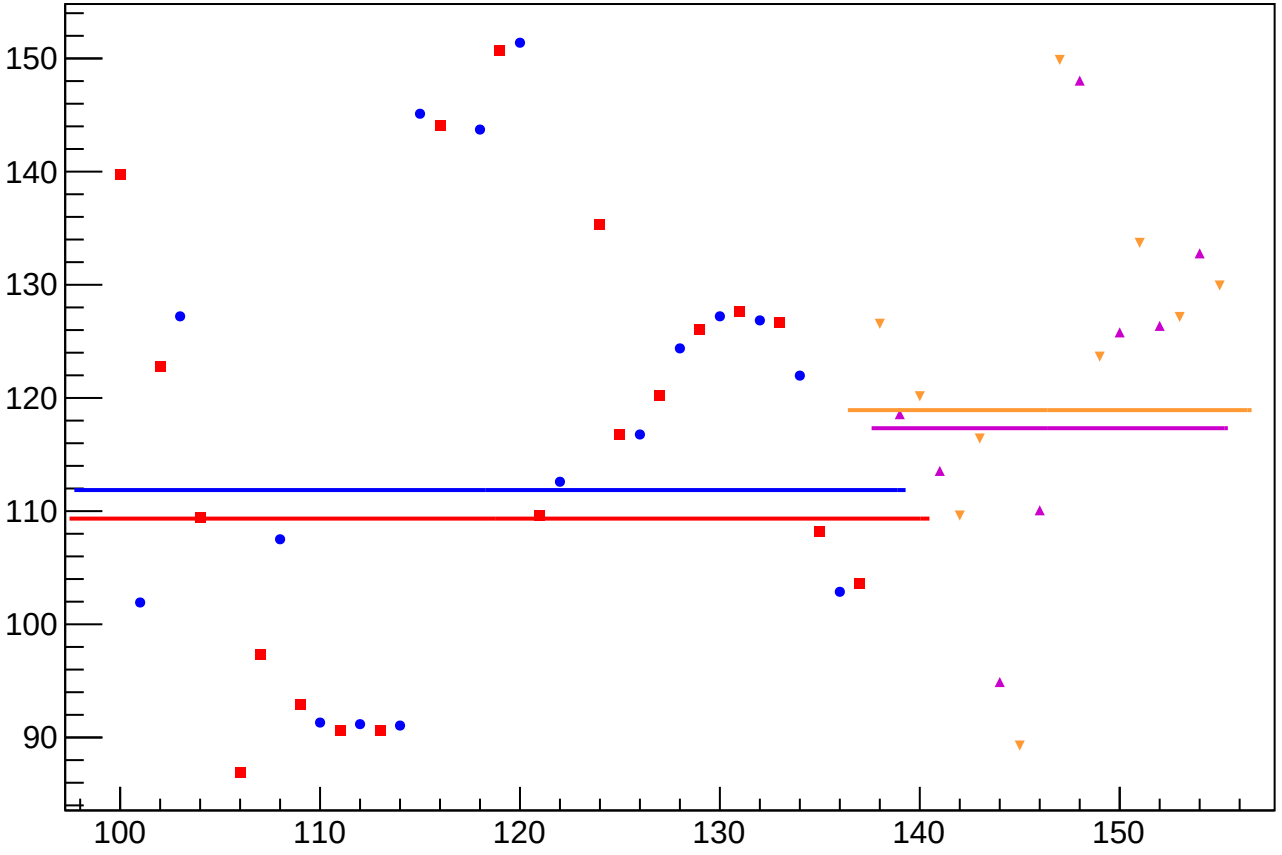
Left In: -241.142+/-44.775 χ^2/NDF:5.9/7

+ sign 156.548+/-30.075 χ^2/NDF: 34.6/25

All: -24.190+/-21.277 χ^2/NDF: 123.8/52

- sign -205.304+/-30.106 χ^2/NDF: 16.9/26

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 118.926+/-0.030 χ^2/NDF:302705.2/9

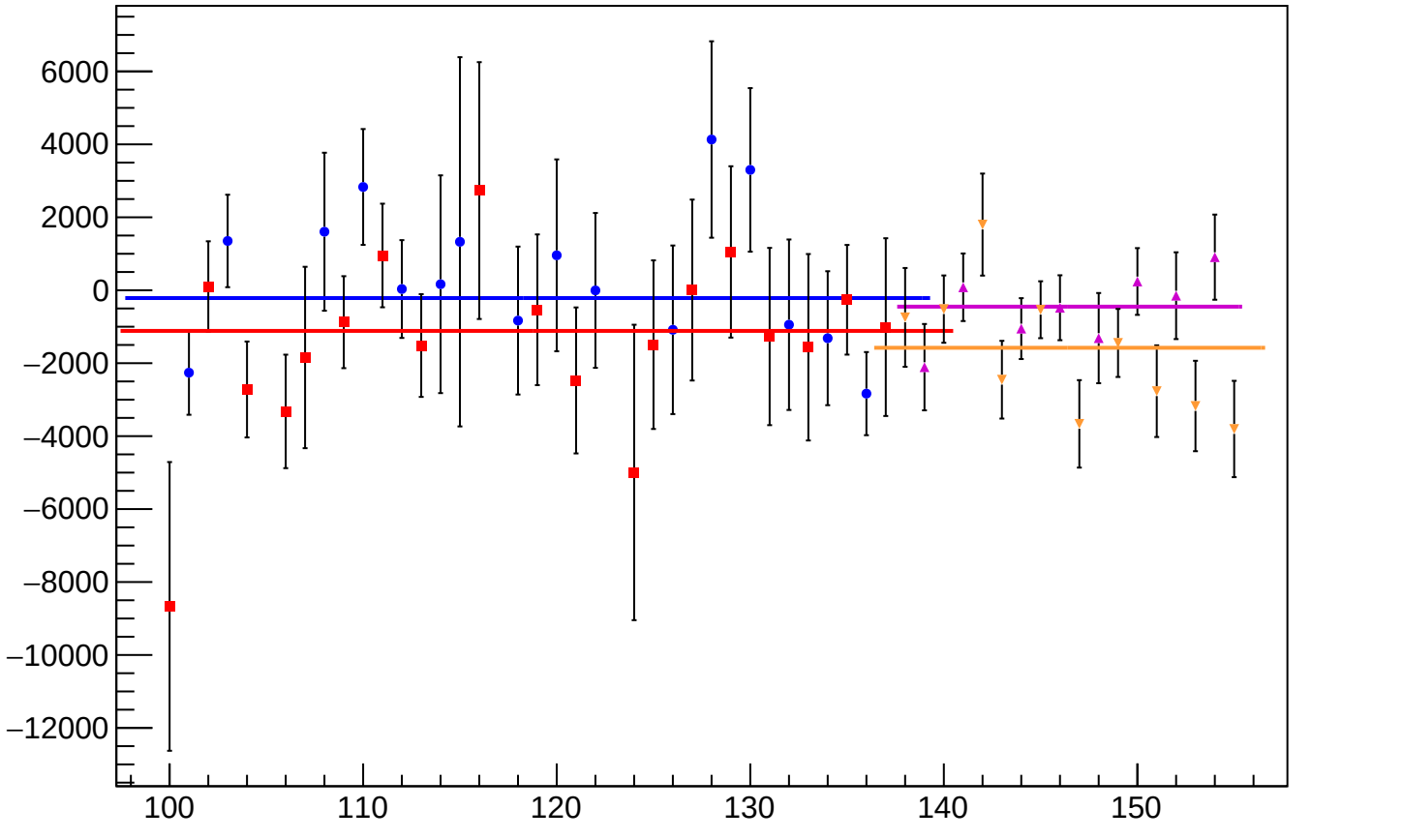
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 117.328+/-0.032 χ^2/NDF:221562.7/7

+ sign 115.327+/-0.021 χ^2/NDF: 636304.0/25

All: 114.140+/-0.015 χ^2/NDF: 1266191.1/52

- sign 112.951+/-0.021 χ^2/NDF: 623655.4/26



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1577.543+/-343.905 χ^2/NDF:18.4/9

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

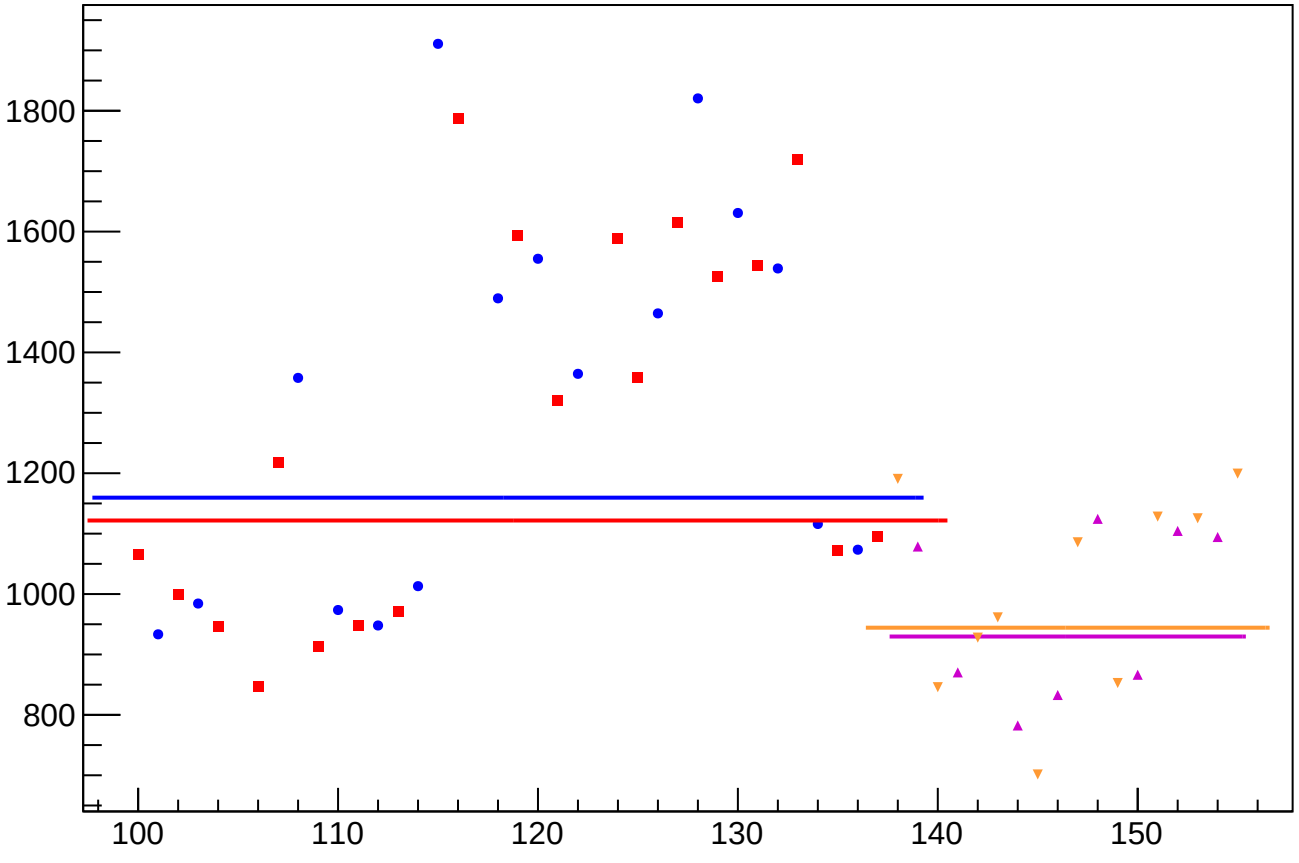
Left In: -449.792+/-356.569 χ^2/NDF:5.3/7

+ sign -1066.259+/-271.877 χ^2/NDF: 44.8/25

All: -896.589+/-192.515 χ^2/NDF: 66.8/52

- sign -725.965+/-272.640 χ^2/NDF: 21.3/26

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 944.318+/-0.243 χ^2/NDF:490758.0/9

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

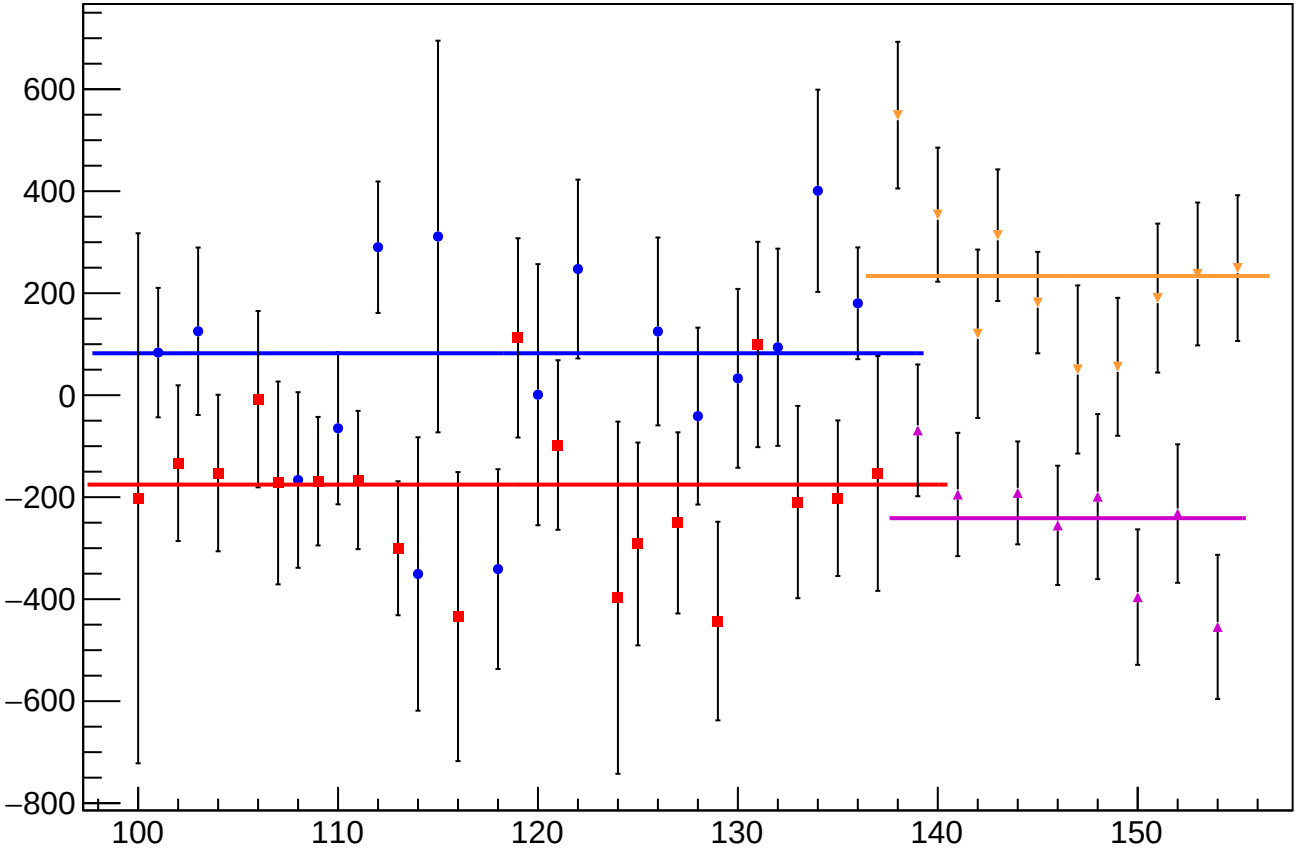
Left In: 929.694+/-0.252 χ^2/NDF:268010.1/7

+ sign 1025.040+/-0.192 χ^2/NDF: 1468275.3/25

All: 1017.275+/-0.136 χ^2/NDF: 2762835.3/52

- sign 1009.466+/-0.193 χ^2/NDF: 1291287.8/26

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.793+/-42.943 χ^2/NDF:9.8/9

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

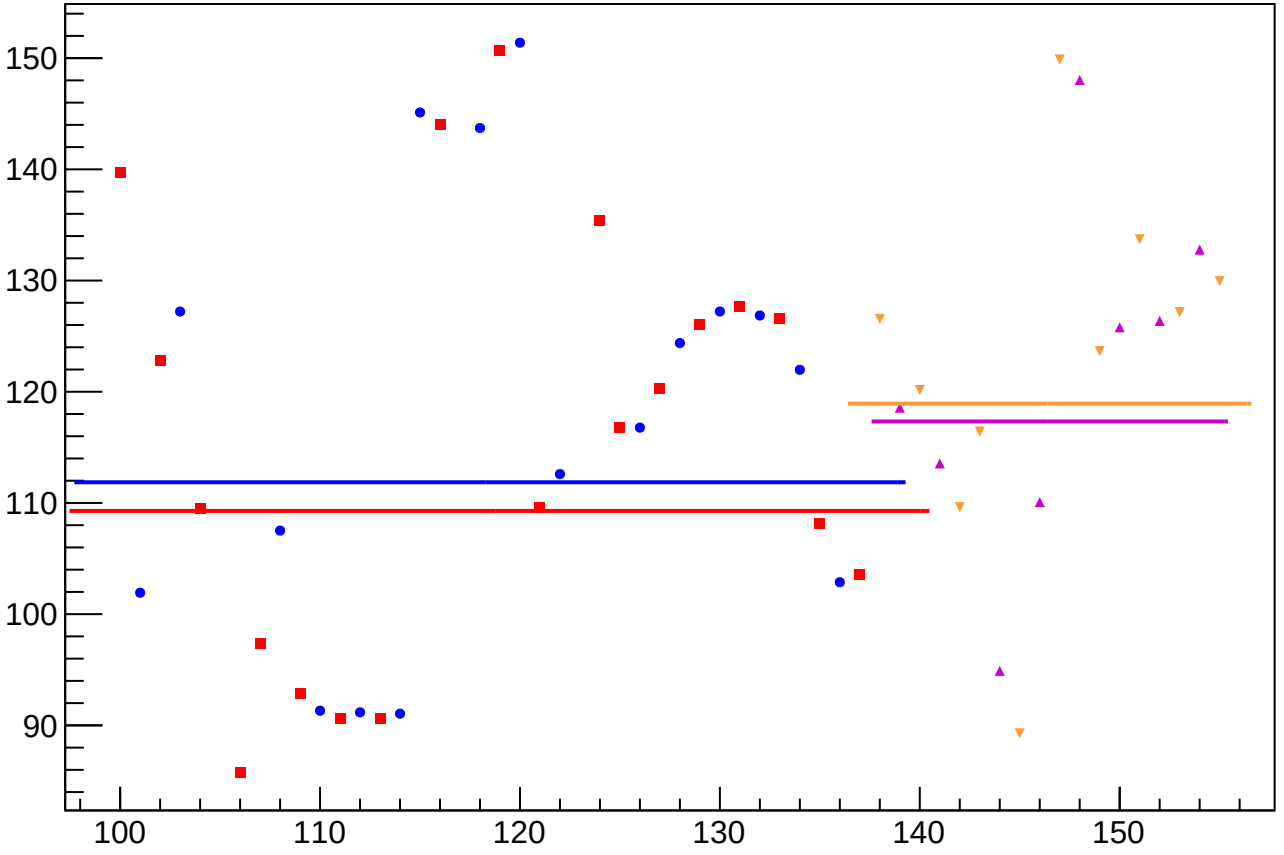
Left In: -241.142+/-44.775 χ^2/NDF:5.9/7

+ sign 156.546+/-30.075 χ^2/NDF: 34.6/25

All: -24.072+/-21.278 χ^2/NDF: 123.8/52

- sign -205.093+/-30.108 χ^2/NDF: 17.0/26

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.926+/-0.030 χ^2/NDF:302705.2/9

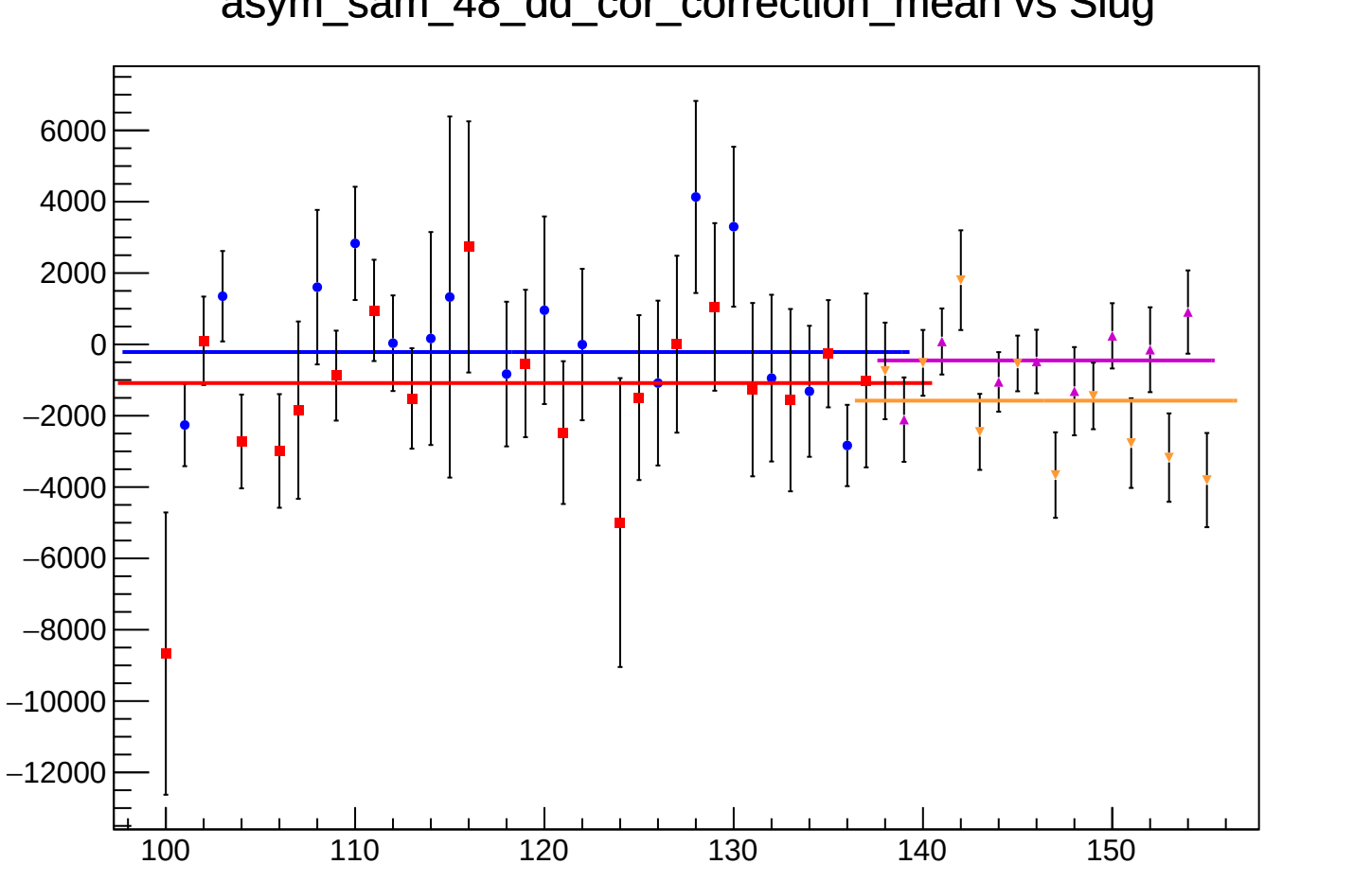
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 117.328+/-0.032 χ^2/NDF:221562.7/7

+ sign 115.327+/-0.021 χ^2/NDF: 636304.9/25

All: 114.125+/-0.015 χ^2/NDF: 1270330.3/52

- sign 112.921+/-0.021 χ^2/NDF: 627634.5/26



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1577.537+/-343.905 χ^2/NDF:18.4/9

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

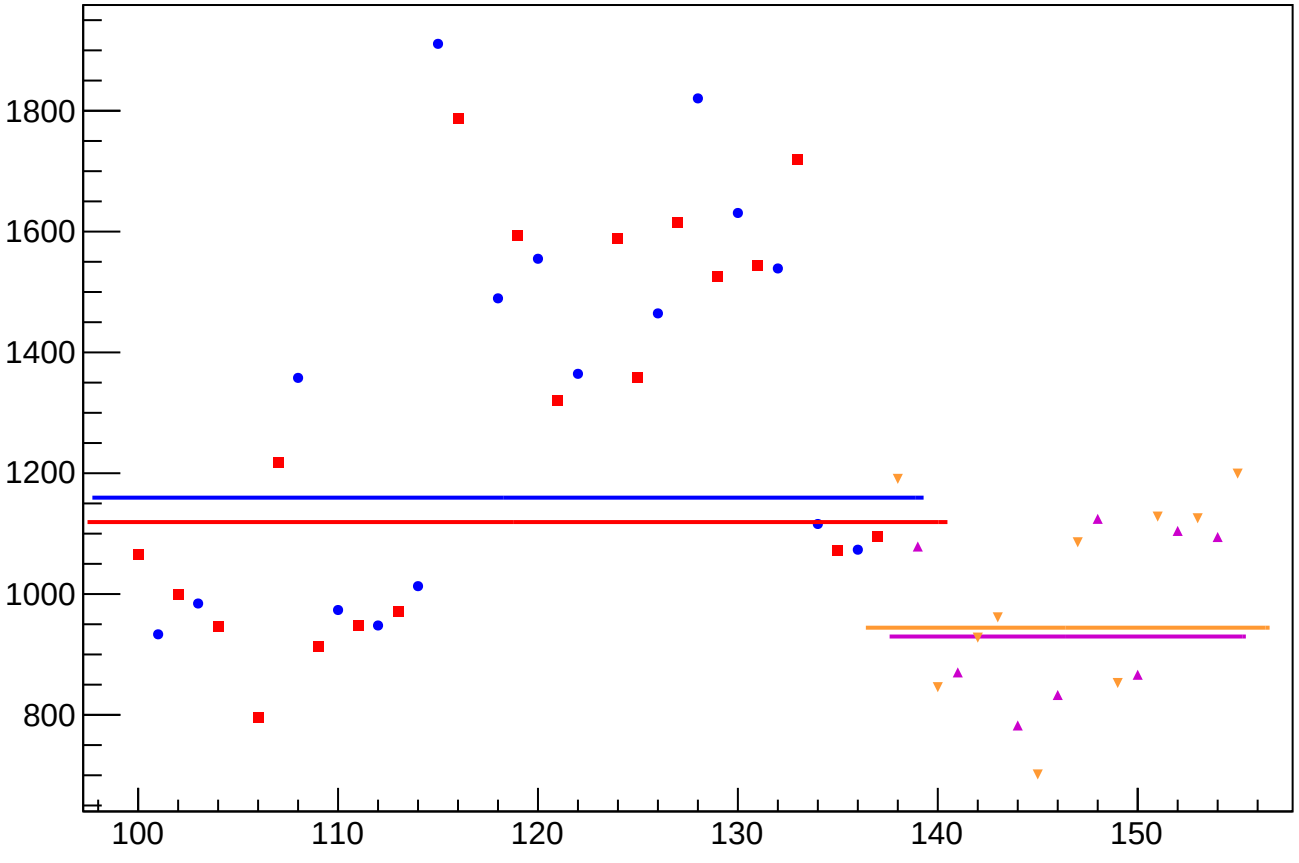
Left In: -449.797+/-356.569 χ^2/NDF:5.3/7

+ sign -1066.294+/-271.878 χ^2/NDF: 44.8/25

All: -890.098+/-192.585 χ^2/NDF: 66.1/52

- sign -712.657+/-272.837 χ^2/NDF: 20.5/26

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 944.318+/-0.243 χ^2/NDF:490760.3/9

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

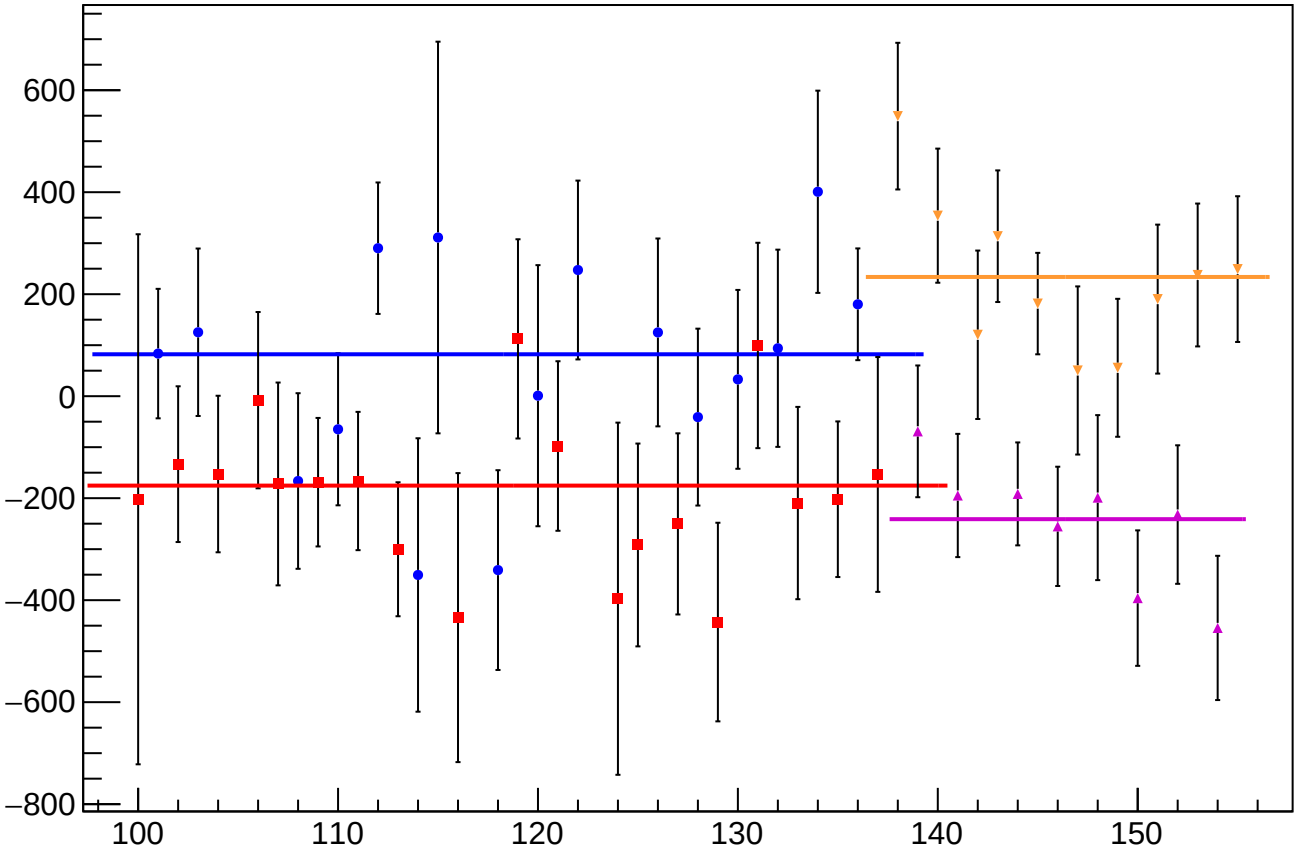
Left In: 929.695+/-0.252 χ^2/NDF:268008.0/7

+ sign 1025.043+/-0.192 χ^2/NDF: 1468270.8/25

All: 1016.665+/-0.136 χ^2/NDF: 2777300.5/52

- sign 1008.228+/-0.193 χ^2/NDF: 1305218.1/26

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.793+/-42.943 χ^2/NDF:9.8/9

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

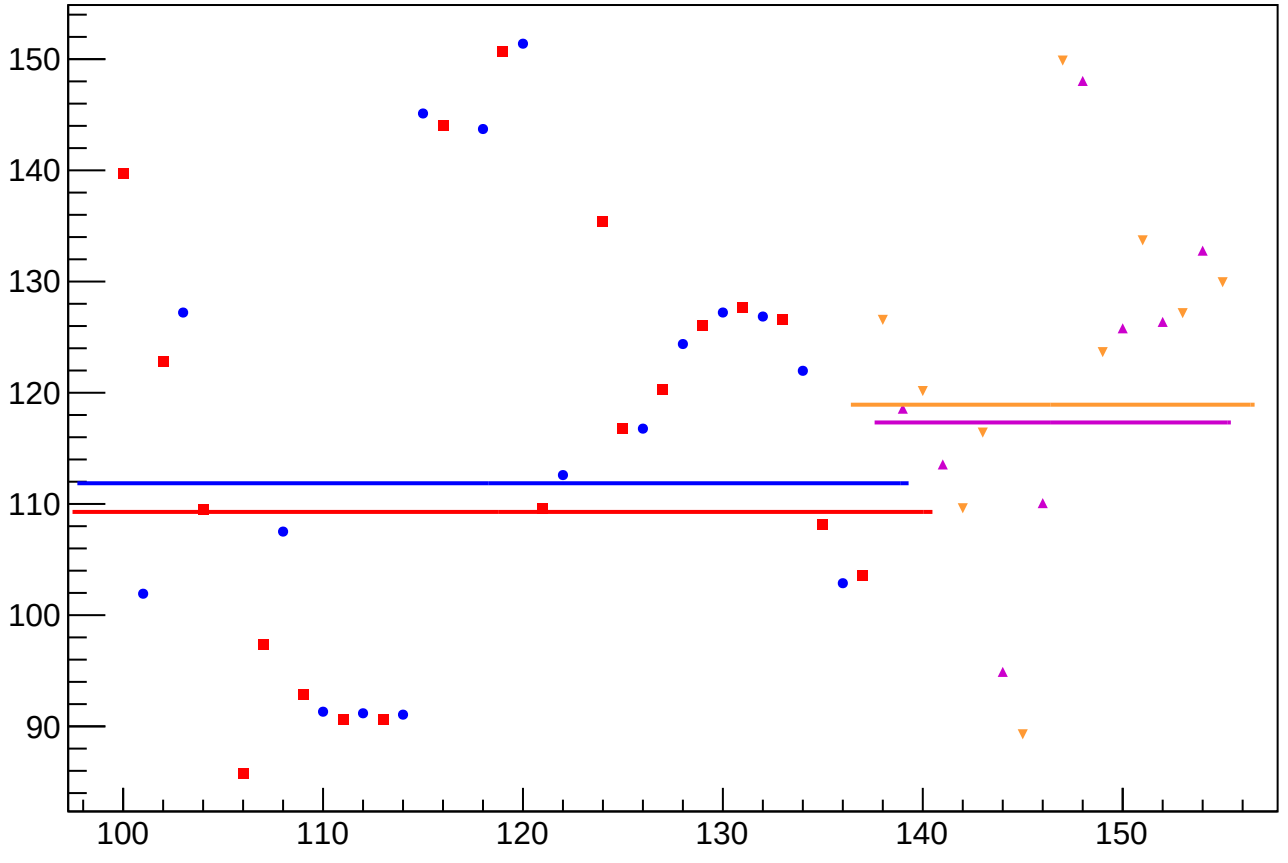
Left In: -241.142+/-44.775 χ^2/NDF:5.9/7

+ sign 156.546+/-30.075 χ^2/NDF: 34.6/25

All: -24.072+/-21.278 χ^2/NDF: 123.8/52

- sign -205.093+/-30.108 χ^2/NDF: 17.0/26

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.926+/-0.030 χ^2/NDF:302705.2/9

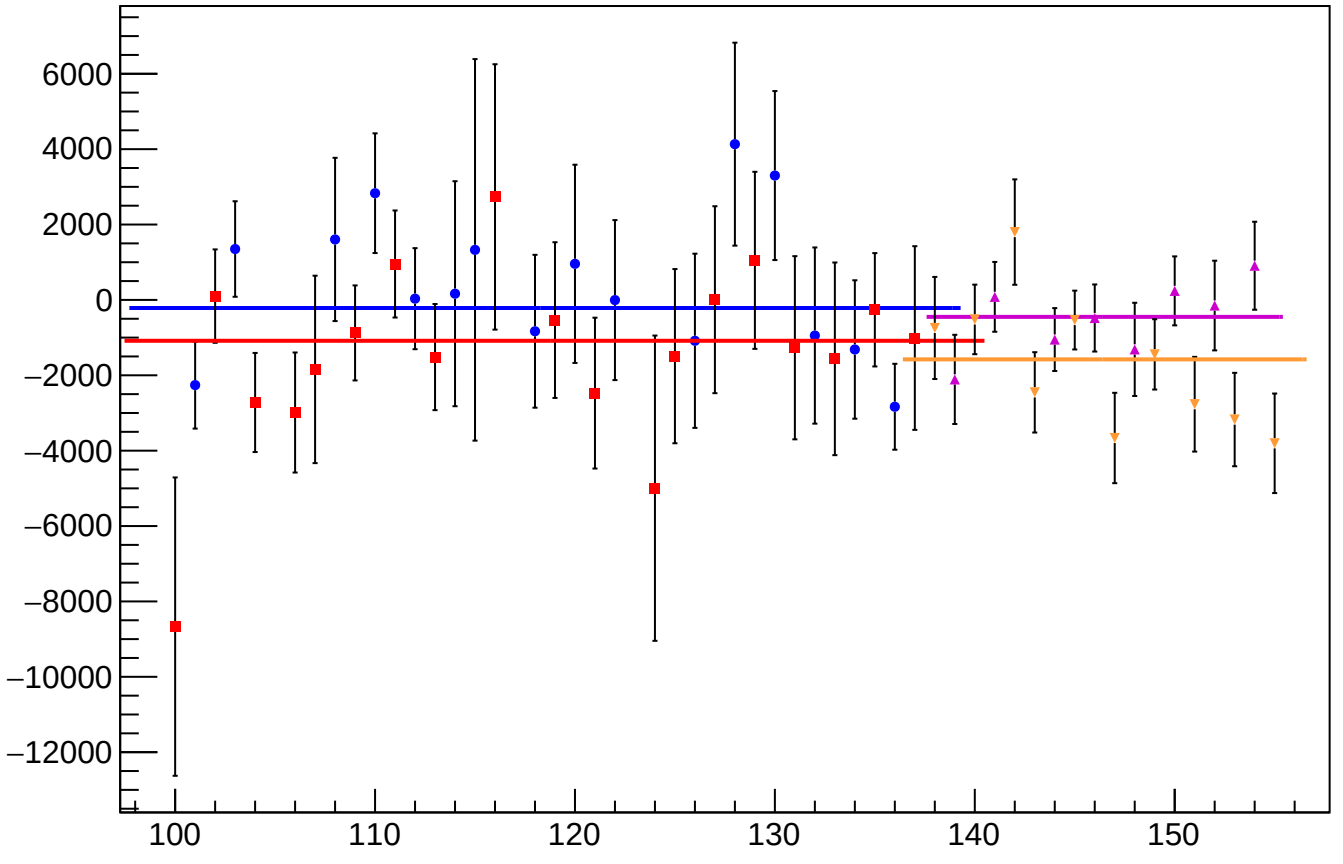
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 117.328+/-0.032 χ^2/NDF:221562.7/7

\+ sign 115.327+/-0.021 χ^2/NDF: 636304.9/25

All: 114.125+/-0.015 χ^2/NDF: 1270330.3/52

\- sign 112.921+/-0.021 χ^2/NDF: 627634.5/26



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1577.537+/-343.905 χ^2/NDF:18.4/9

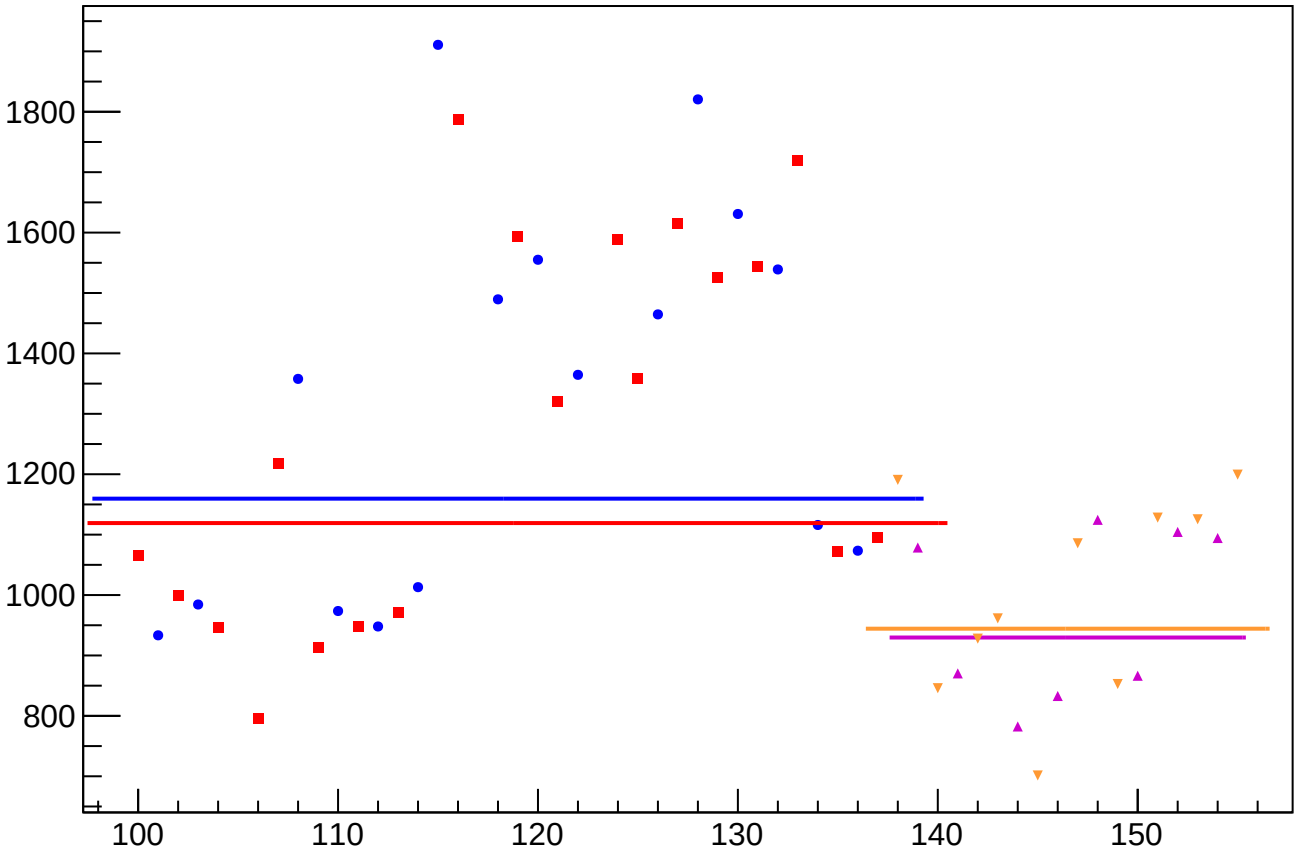
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -449.797+/-356.569 χ^2/NDF:5.3/7

+ sign -1066.294+/-271.878 χ^2/NDF: 44.8/25

All: -890.098+/-192.585 χ^2/NDF: 66.1/52

- sign -712.657+/-272.837 χ^2/NDF: 20.5/26



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 944.318+/-0.243 χ^2/NDF:490760.3/9

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

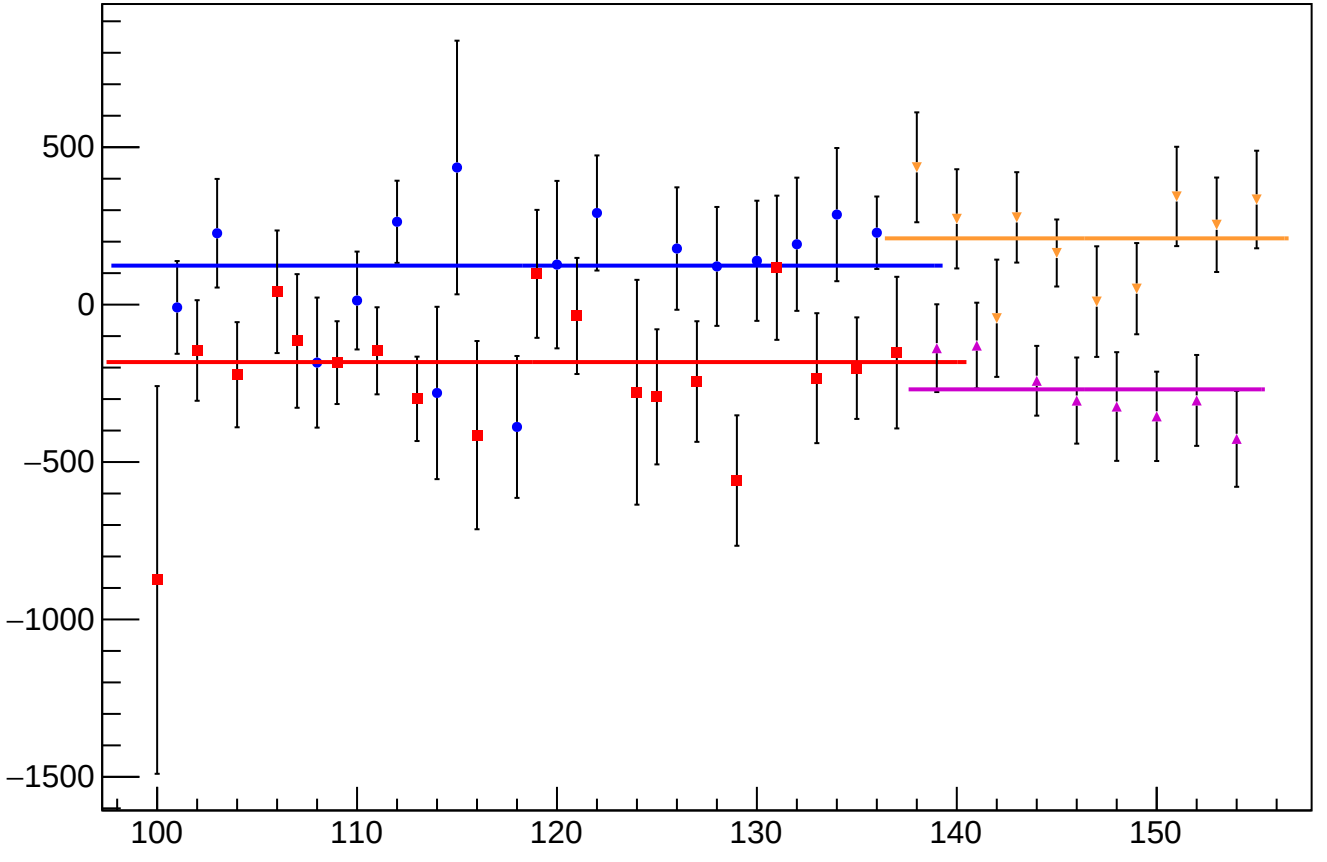
Left In: 929.695+/-0.252 χ^2/NDF:268008.0/7

+ sign 1025.043+/-0.192 χ^2/NDF: 1468270.8/25

All: 1016.665+/-0.136 χ^2/NDF: 2777300.5/52

- sign 1008.228+/-0.193 χ^2/NDF: 1305218.1/26

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.485+/-47.407 χ^2/NDF:8.0/9

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

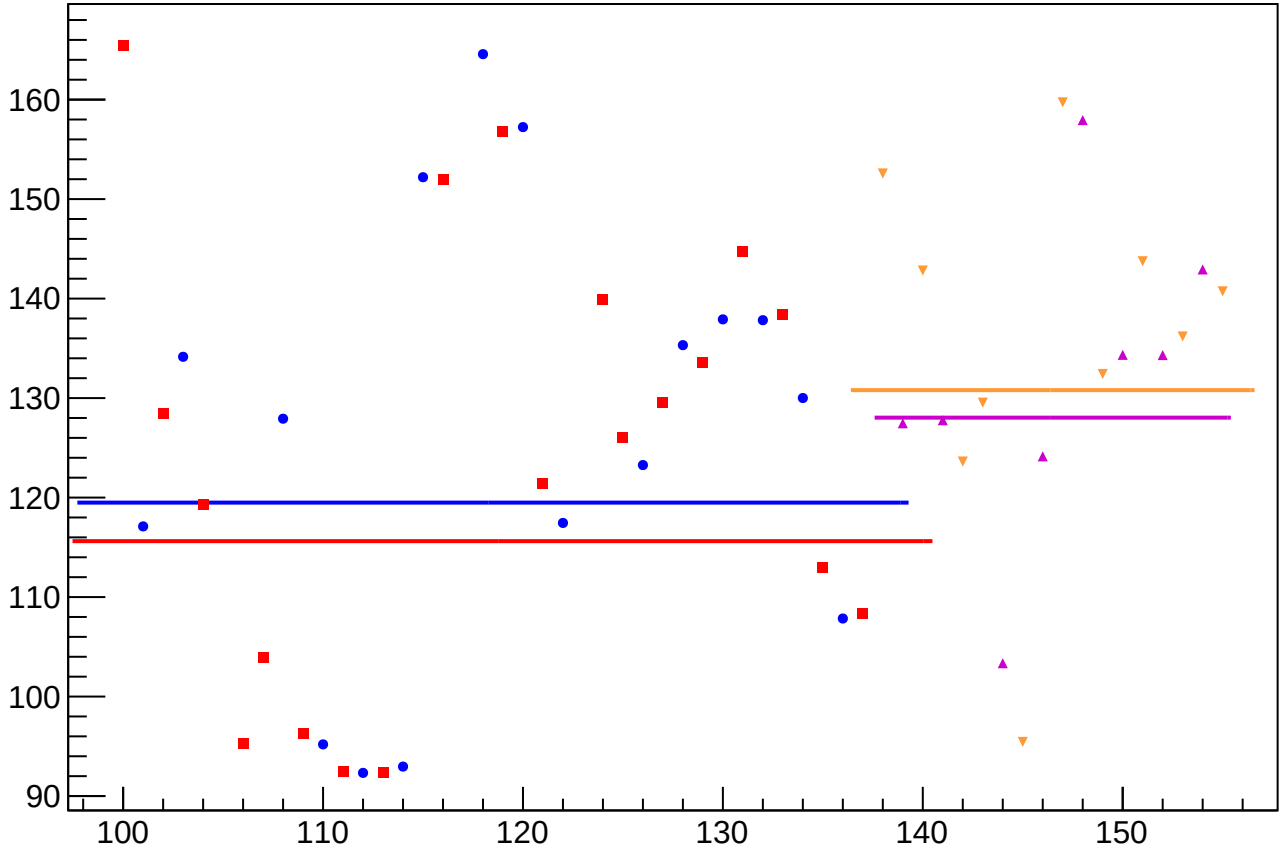
Left In: -269.137+/-49.115 χ^2/NDF:3.6/7

+ sign 165.163+/-32.728 χ^2/NDF: 25.2/25

All: -29.222+/-23.042 χ^2/NDF: 112.9/52

- sign -220.296+/-32.448 χ^2/NDF: 17.7/26

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 130.798+/-0.034 χ^2/NDF:345226.5/9

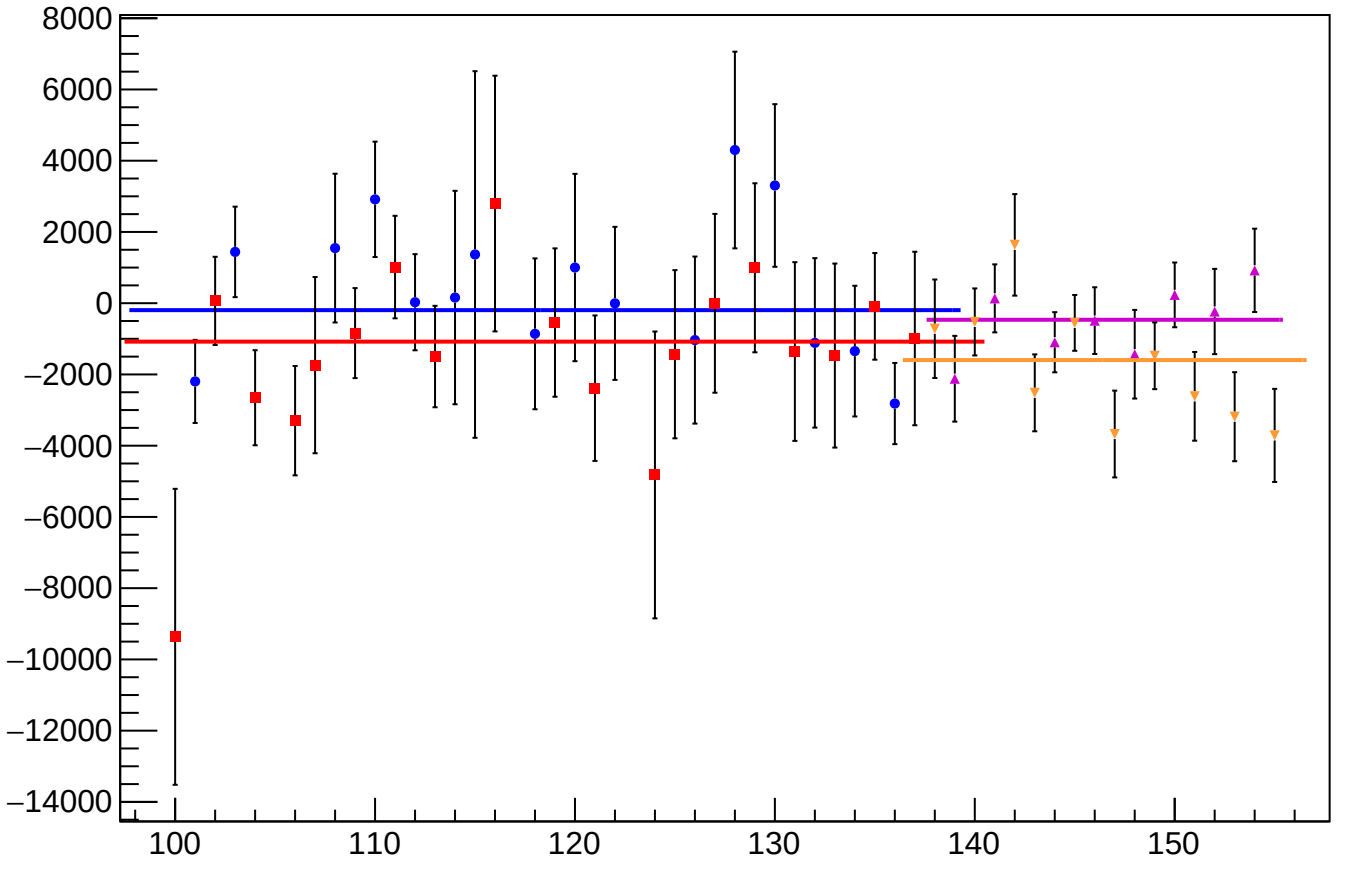
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 128.034+/-0.035 χ^2/NDF:187806.7/7

+ sign 124.882+/-0.023 χ^2/NDF: 784992.2/25

All: 122.944+/-0.016 χ^2/NDF: 1485649.4/52

- sign 121.039+/-0.023 χ^2/NDF: 686753.3/26



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1596.595+/-346.716 χ^2/NDF:17.2/9

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

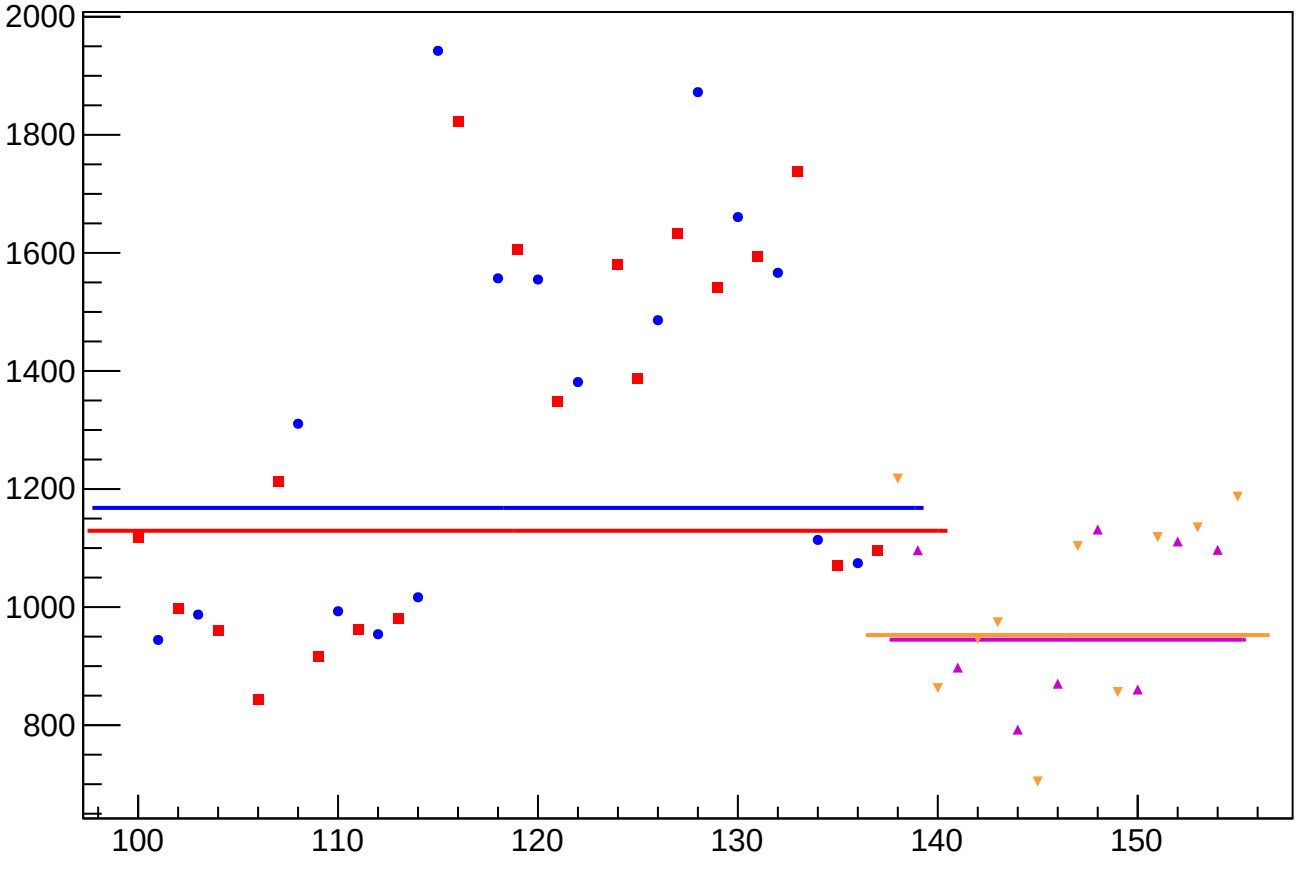
Left In: -465.275+/-362.337 χ^2/NDF:5.5/7

+ sign -1070.626+/-274.040 χ^2/NDF: 43.7/25

All: -898.093+/-194.461 χ^2/NDF: 65.8/52

- sign -723.097+/-275.989 χ^2/NDF: 21.3/26

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 952.700+/-0.245 χ^2/NDF:487451.5/9

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

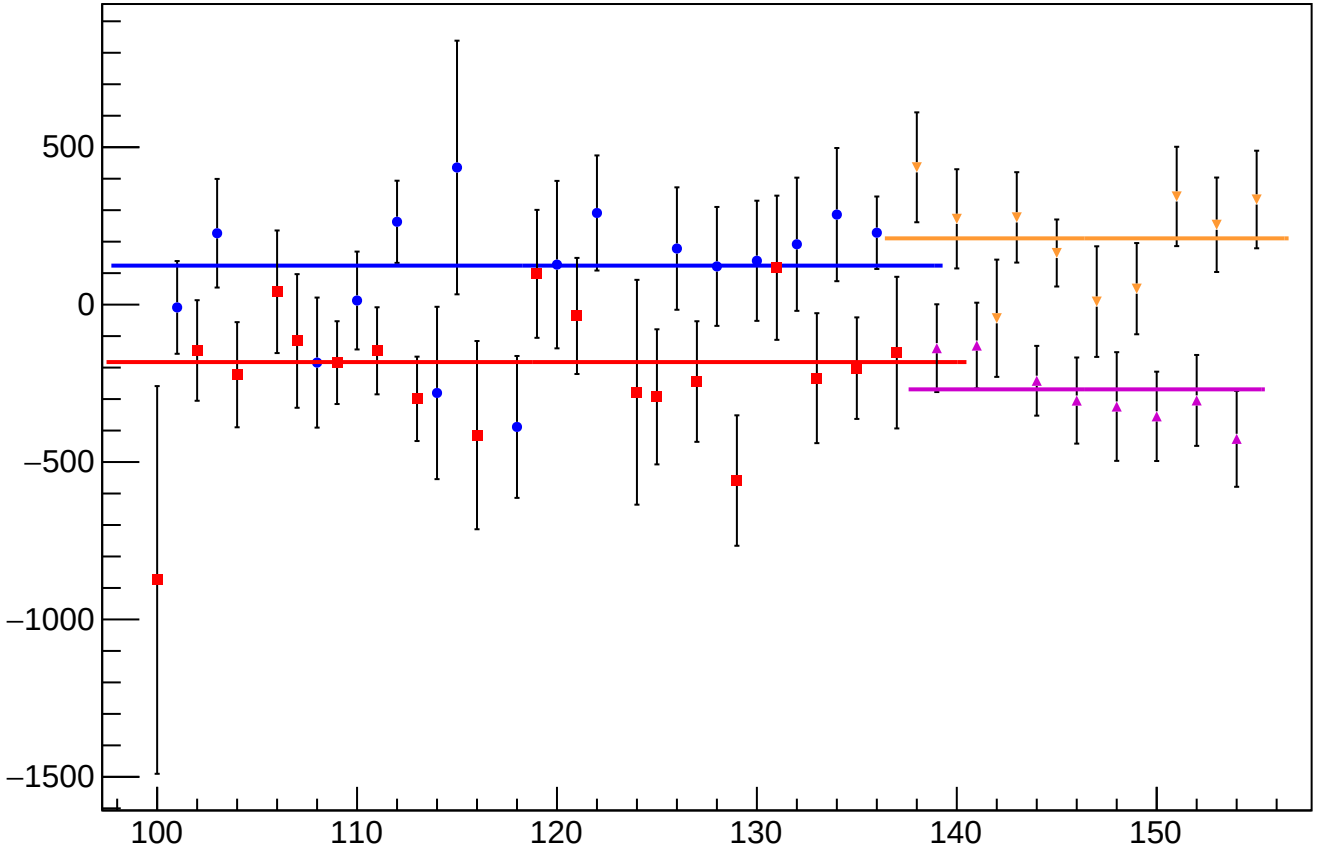
Left In: 944.820+/-0.256 χ^2/NDF:249177.4/7

+ sign 1033.523+/-0.194 χ^2/NDF: 1486408.9/25

All: 1027.939+/-0.138 χ^2/NDF: 2762176.2/52

- sign 1022.276+/-0.195 χ^2/NDF: 1274094.9/26

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.487+/-47.407 χ^2/NDF:8.0/9

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

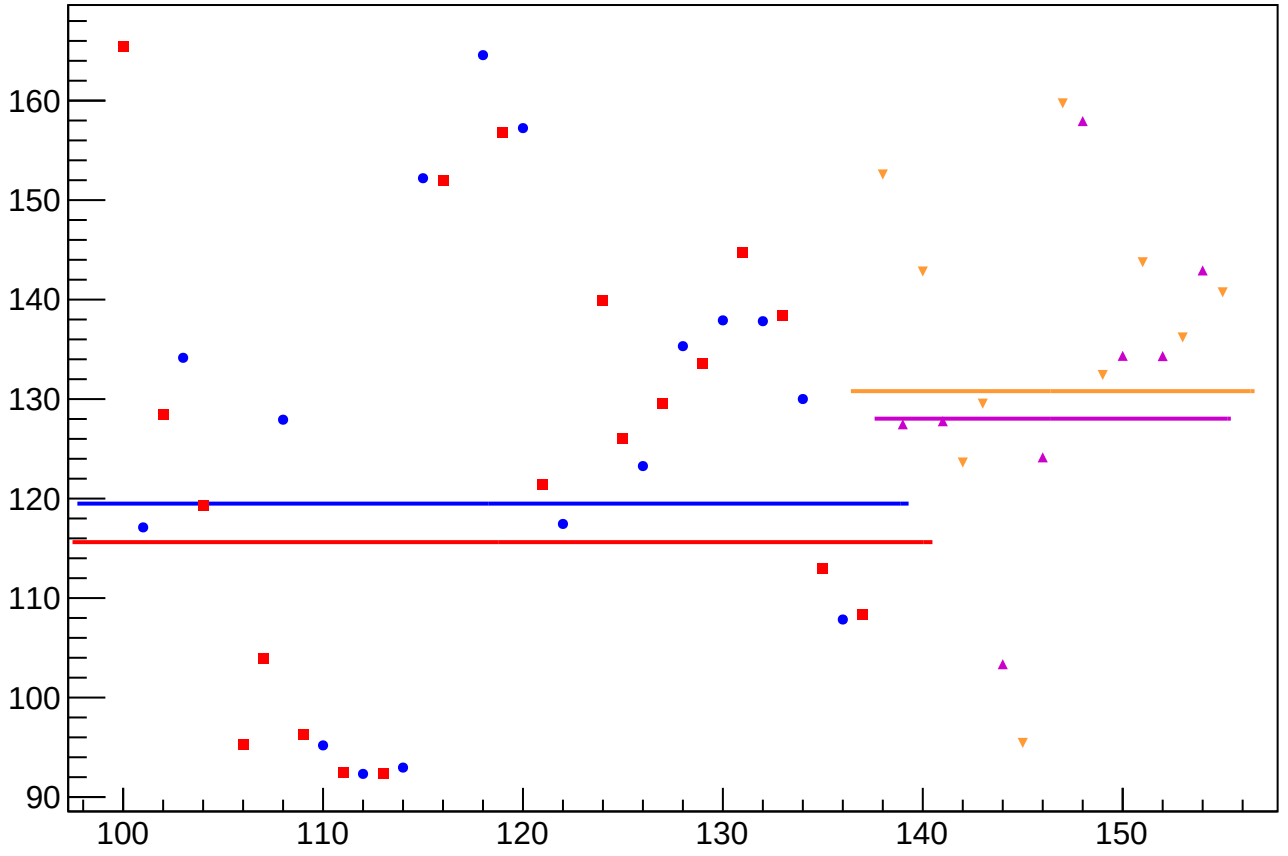
Left In: -269.138+/-49.115 χ^2/NDF:3.6/7

+ sign 165.165+/-32.728 χ^2/NDF: 25.2/25

All: -29.222+/-23.043 χ^2/NDF: 112.9/52

- sign -220.296+/-32.448 χ^2/NDF: 17.7/26

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 130.798+/-0.034 χ^2/NDF:345224.7/9

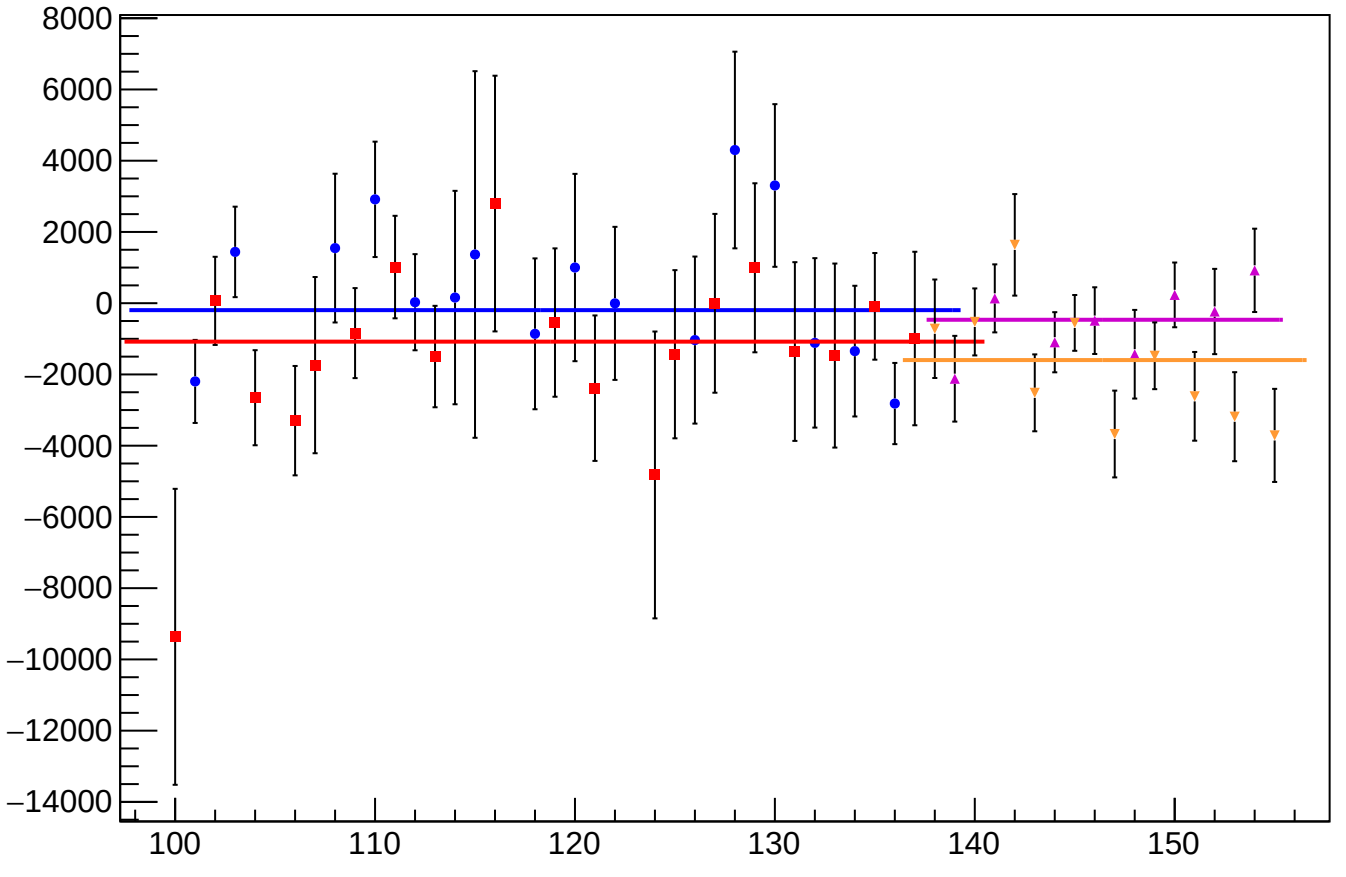
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 128.034+/-0.035 χ^2/NDF:187804.9/7

+ sign 124.882+/-0.023 χ^2/NDF: 784994.1/25

All: 122.944+/-0.016 χ^2/NDF: 1485655.6/52

- sign 121.039+/-0.023 χ^2/NDF: 686757.5/26



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1596.593+/-346.716 χ^2/NDF:17.2/9

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

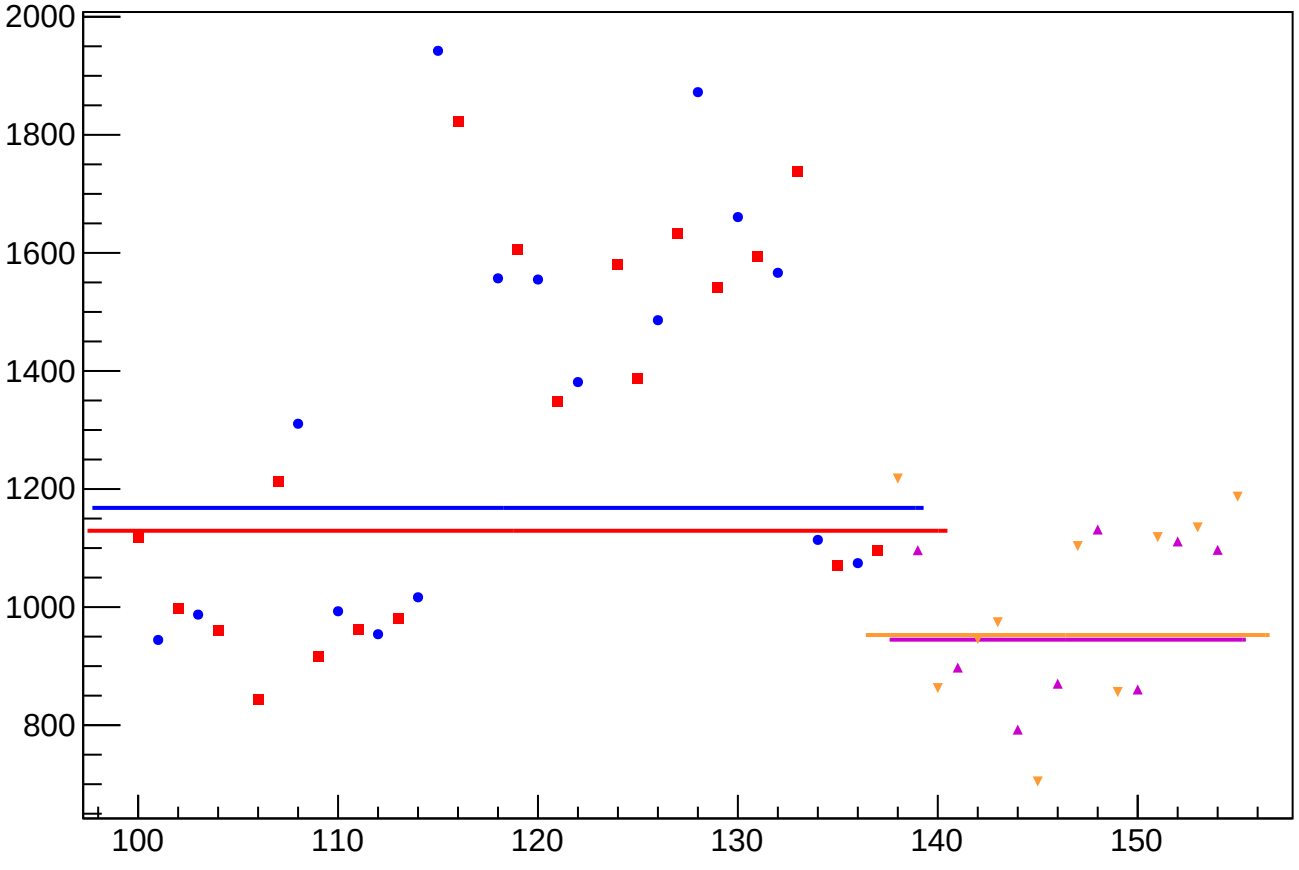
Left In: -465.276+/-362.337 χ^2/NDF:5.5/7

+ sign -1070.625+/-274.040 χ^2/NDF: 43.7/25

All: -898.093+/-194.461 χ^2/NDF: 65.8/52

- sign -723.097+/-275.989 χ^2/NDF: 21.3/26

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 952.699+/-0.245 χ^2/NDF:487454.6/9

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

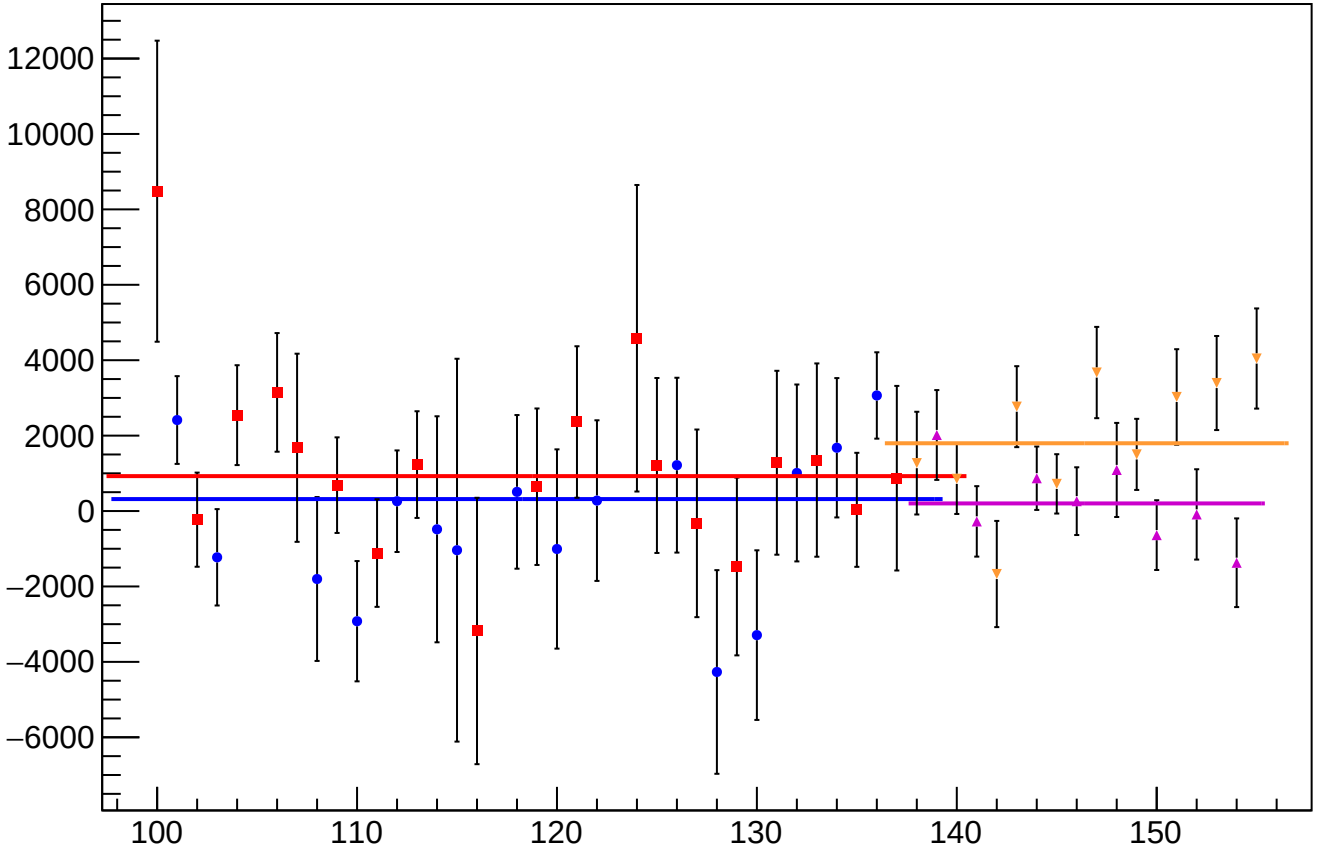
Left In: 944.820+/-0.256 χ^2/NDF:249176.0/7

+ sign 1033.522+/-0.194 χ^2/NDF: 1486416.0/25

All: 1027.939+/-0.138 χ^2/NDF: 2762182.5/52

- sign 1022.276+/-0.195 χ^2/NDF: 1274094.3/26

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1797.475+/-346.745 χ^2/NDF:17.9/9

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

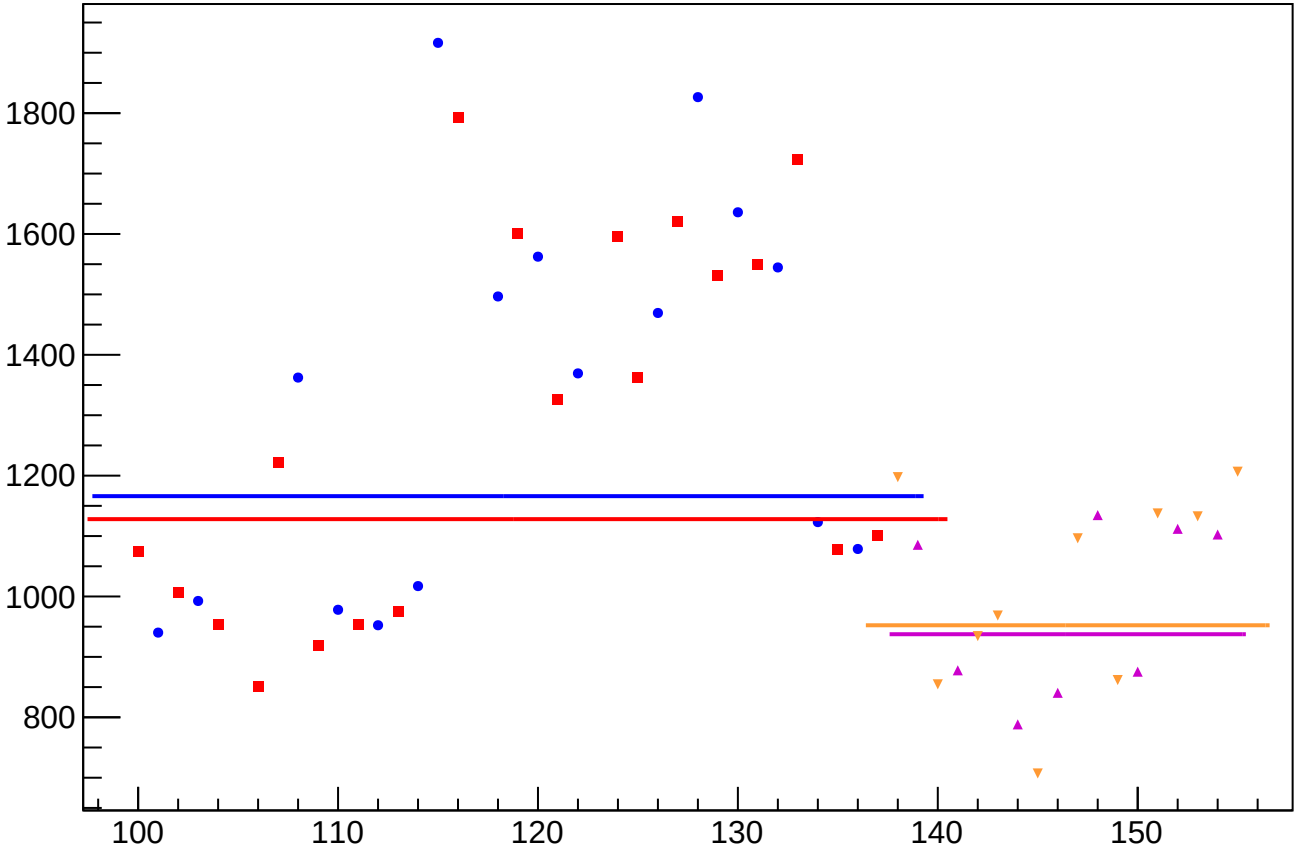
Left In: 202.079+/-359.516 χ^2/NDF:6.4/7

+ sign 1240.406+/-273.825 χ^2/NDF: 46.9/25

All: 873.086+/-193.894 χ^2/NDF: 73.1/52

- sign 503.711+/-274.590 χ^2/NDF: 22.6/26

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 952.329+/-0.245 χ^2/NDF:486467.9/9

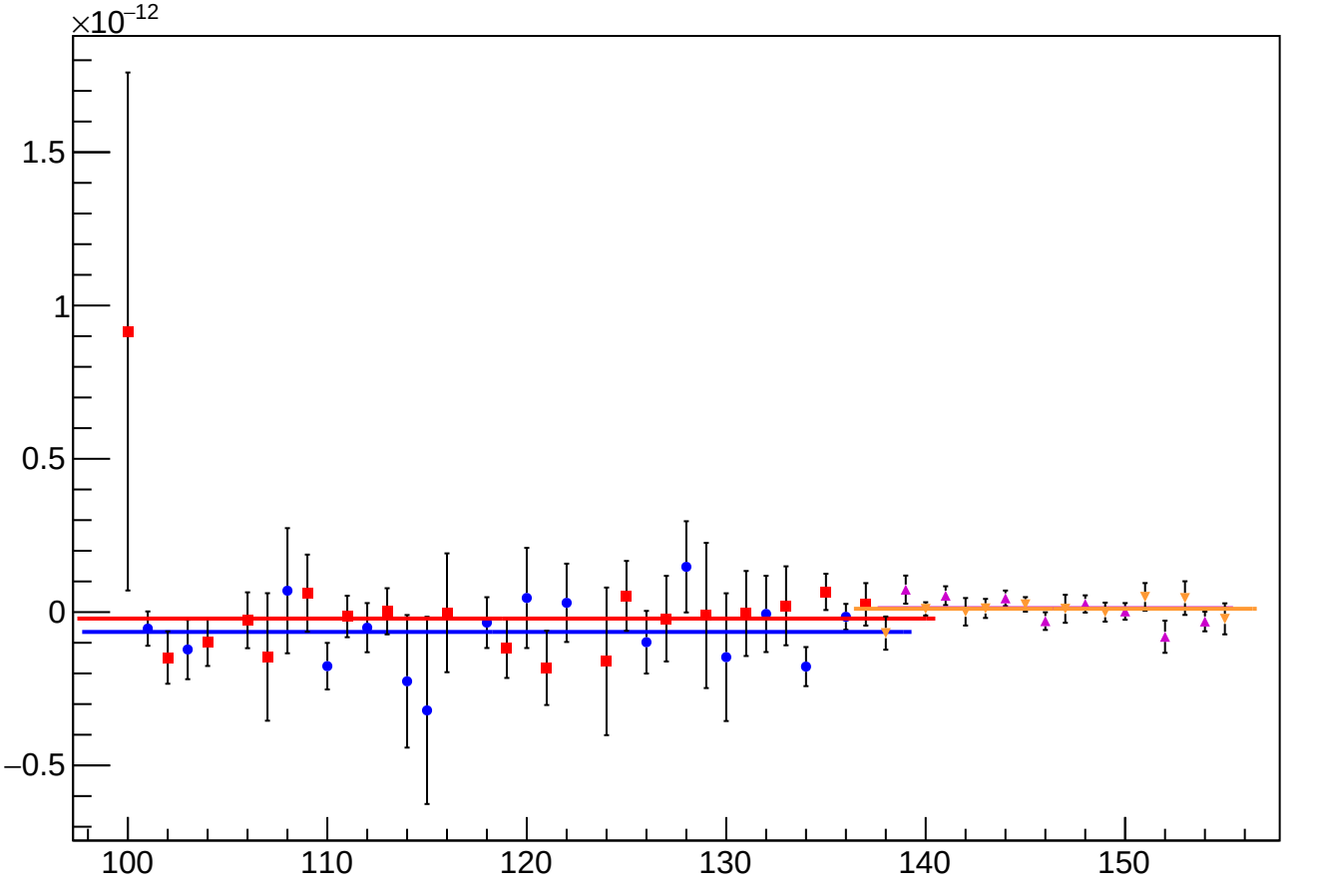
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 937.527+/-0.254 χ^2/NDF:266174.6/7

+ sign 1032.770+/-0.194 χ^2/NDF: 1449516.7/25

All: 1024.851+/-0.137 χ^2/NDF: 2728725.7/52

- sign 1016.889+/-0.194 χ^2/NDF: 1275855.0/26



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

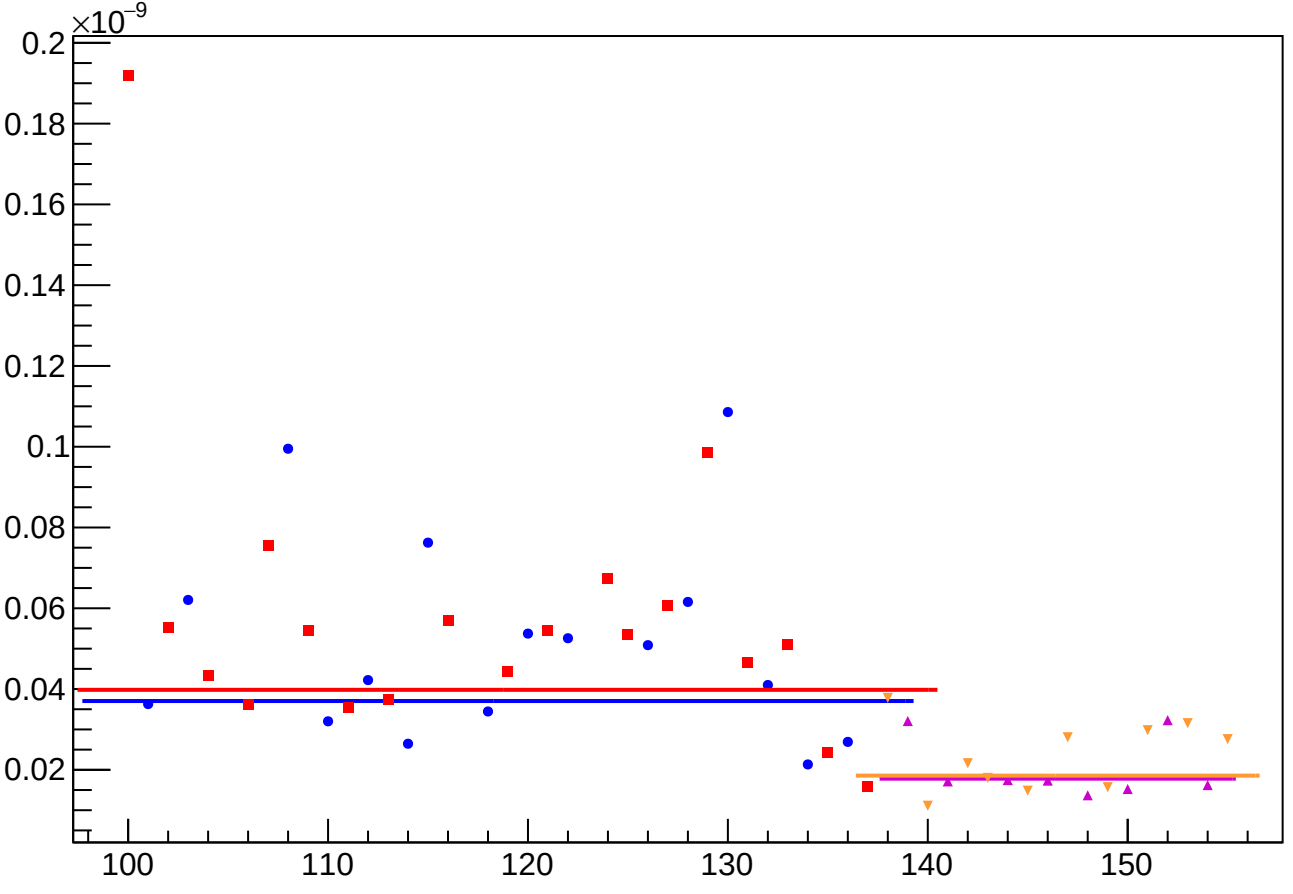
Left In: 0.000+/-0.000 χ^2/NDF:12.6/7

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/25

All: 0.000+/-0.000 χ^2/NDF: 52.8/52

- sign 0.000+/-0.000 χ^2/NDF: 25.9/26

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:952108.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

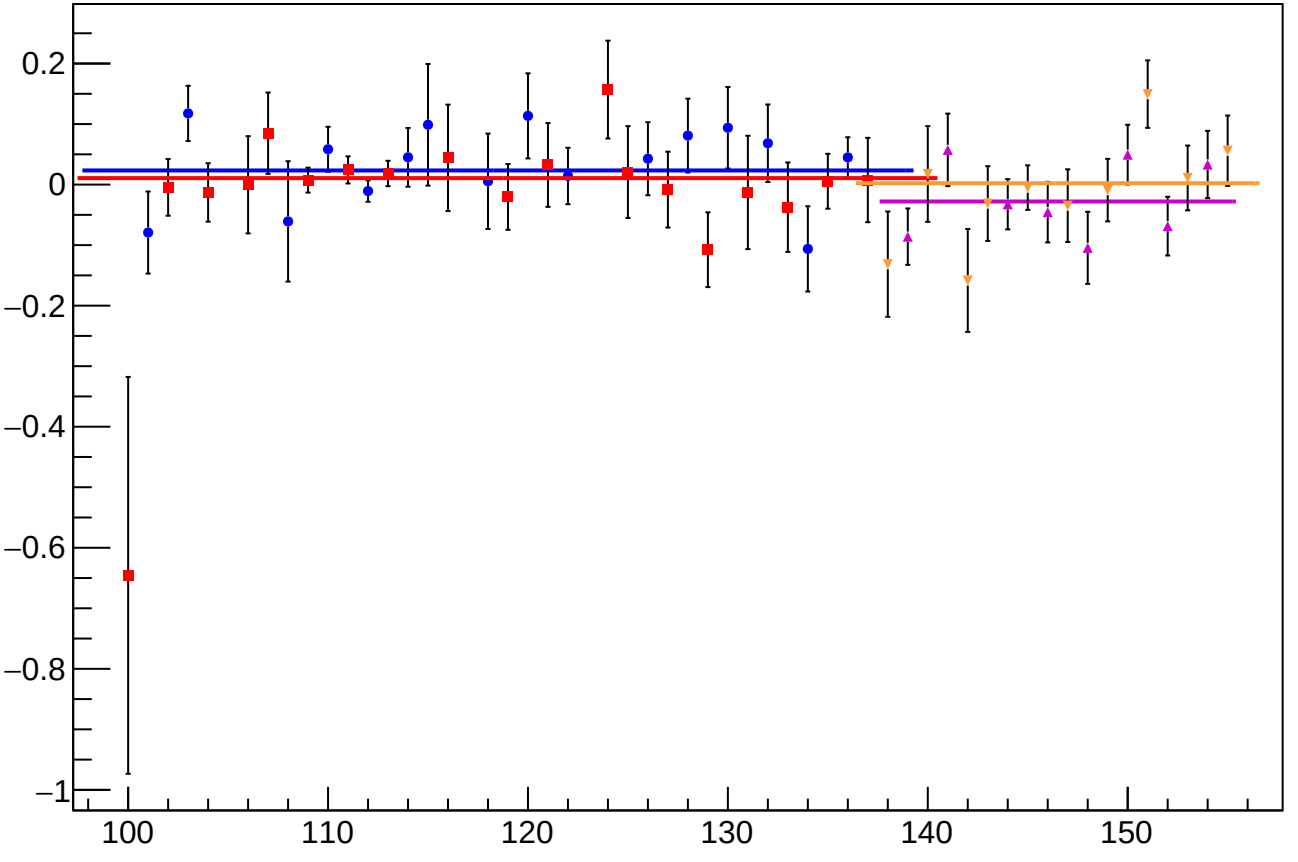
Left In: 0.000+/-0.000 χ^2/NDF:414262.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 3095875.0/25

All: 0.000+/-0.000 χ^2/NDF: 5892032.1/52

- sign 0.000+/-0.000 χ^2/NDF: 2794952.3/26

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: 0.002+/-0.018 χ^2/NDF:14.6/9

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

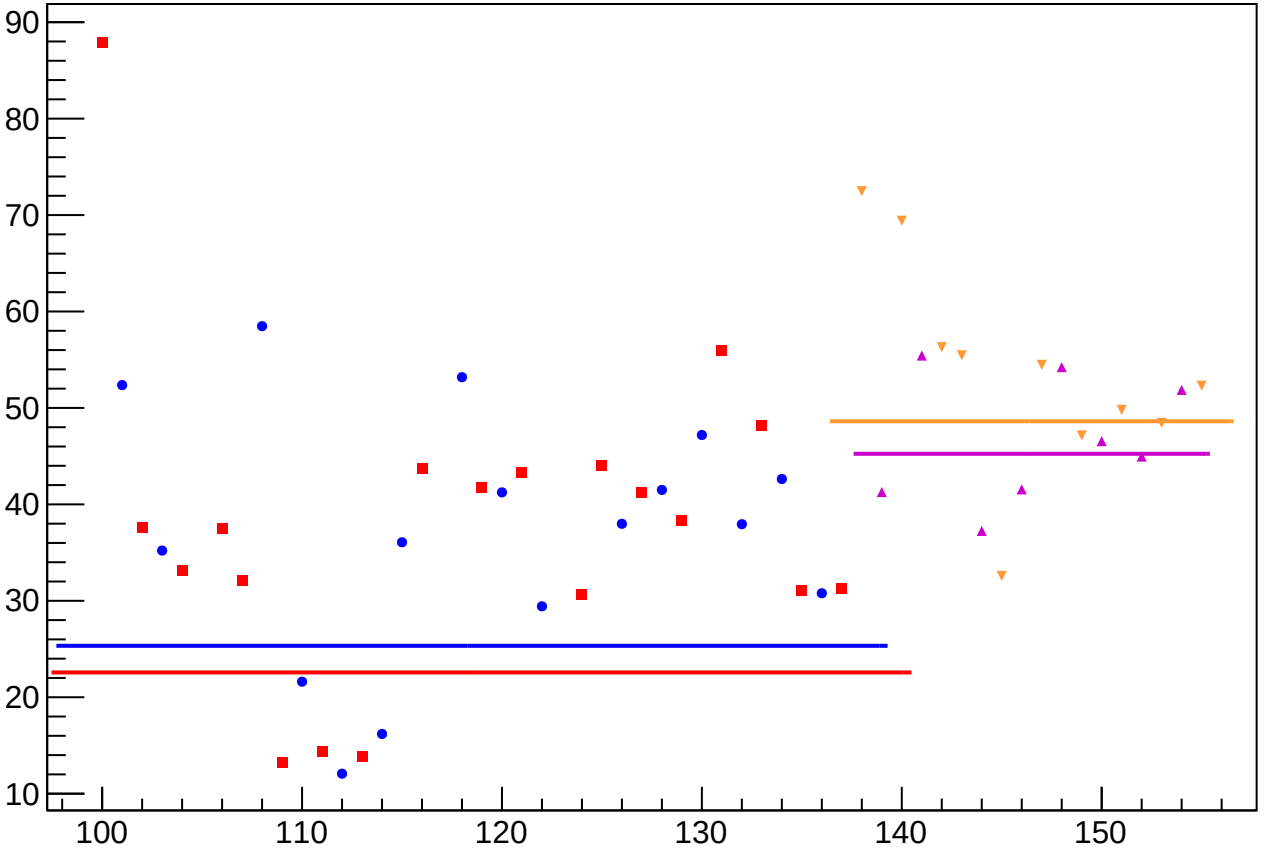
Left In: -0.028+/-0.018 χ^2/NDF:9.7/7

+ sign 0.018+/-0.009 χ^2/NDF: 36.3/25

All: 0.009+/-0.006 χ^2/NDF: 65.5/52

- sign 0.002+/-0.009 χ^2/NDF: 27.6/26

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.618+/-0.013 χ^2/NDF:738259.8/9

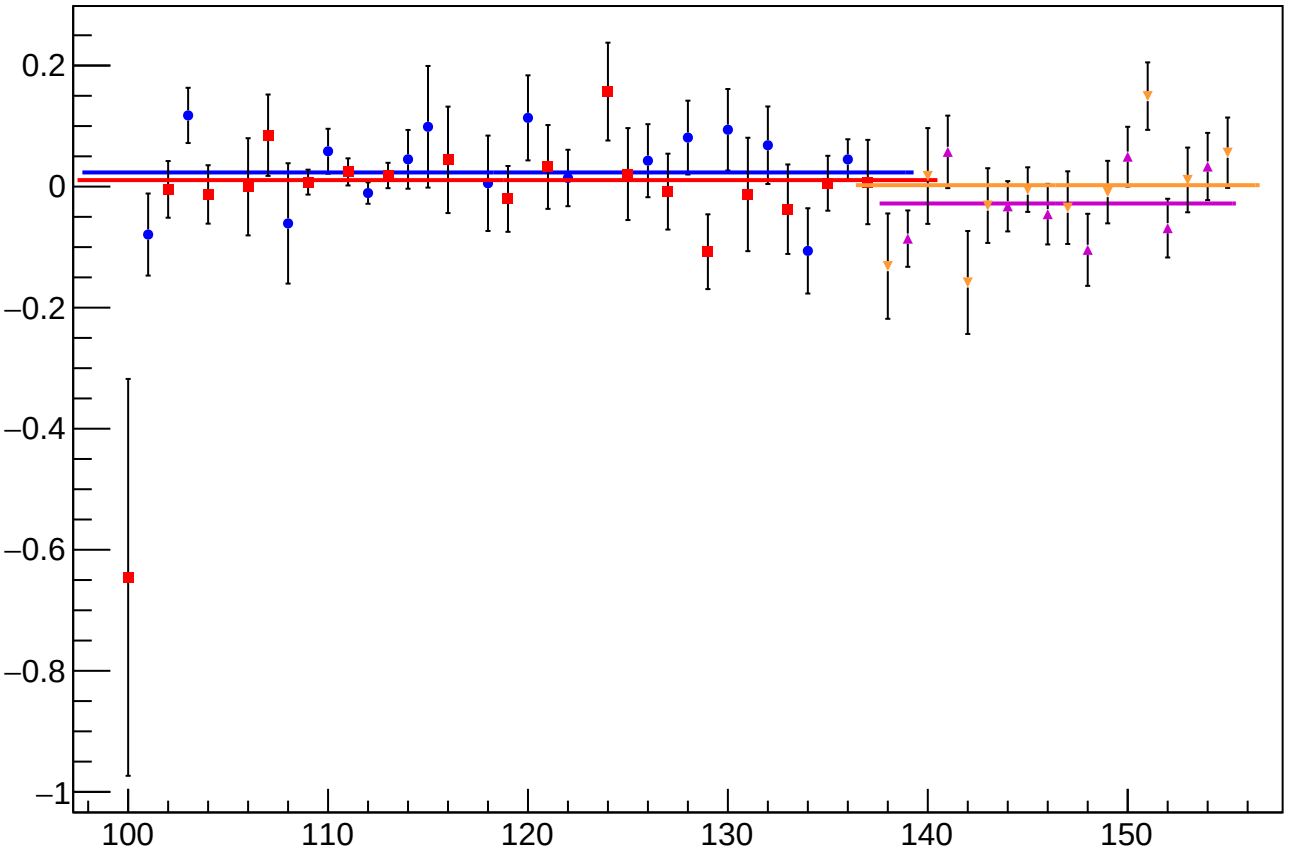
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.245+/-0.013 χ^2/NDF:233010.6/7

+ sign 31.668+/-0.007 χ^2/NDF: 6070777.6/25

All: 29.579+/-0.004 χ^2/NDF: 12115321.4/52

- sign 27.853+/-0.006 χ^2/NDF: 5865908.6/26



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.002+/-0.018 χ^2/NDF:14.6/9

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

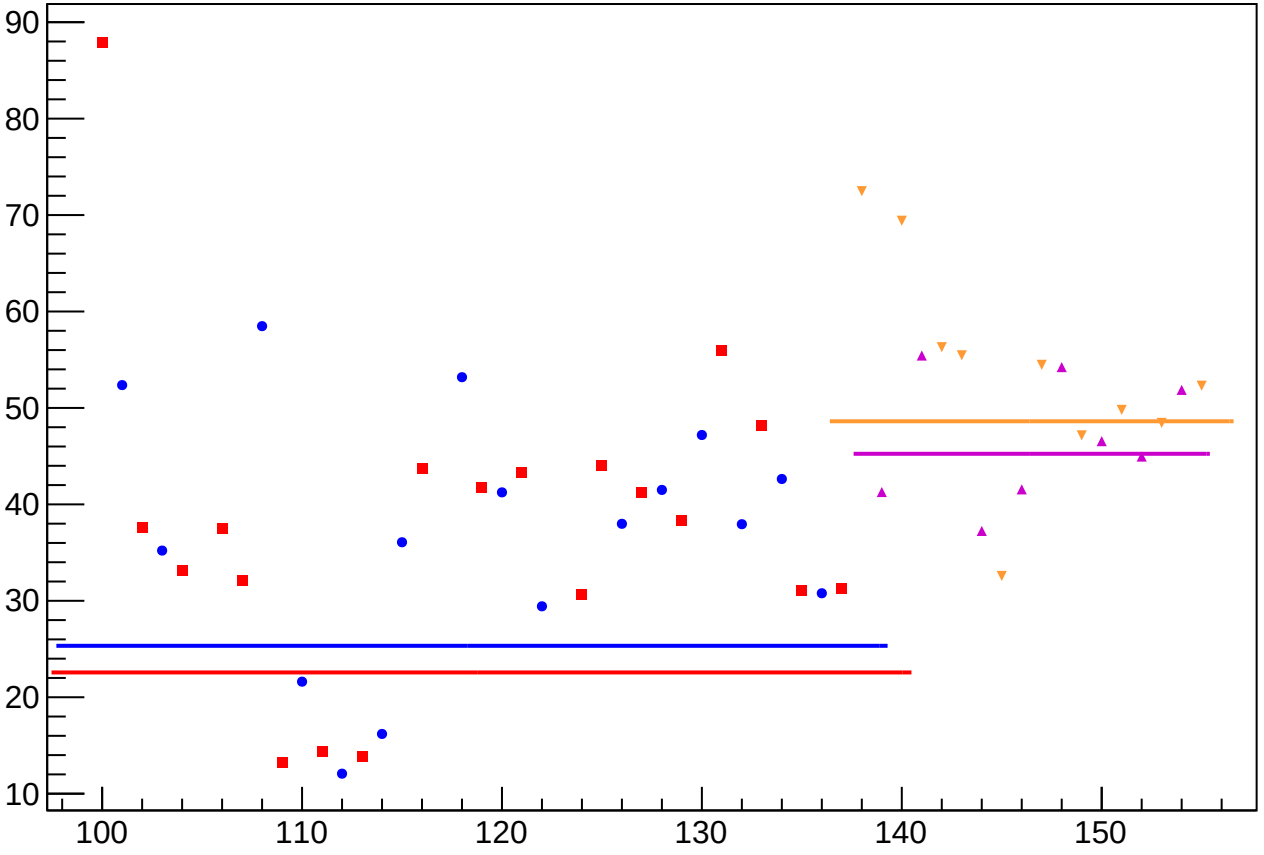
Left In: -0.028+/-0.018 χ^2/NDF:9.7/7

+ sign 0.018+/-0.009 χ^2/NDF: 36.3/25

All: 0.009+/-0.006 χ^2/NDF: 65.5/52

- sign 0.002+/-0.009 χ^2/NDF: 27.6/26

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: 48.618+/-0.013 χ^2/NDF:738259.8/9

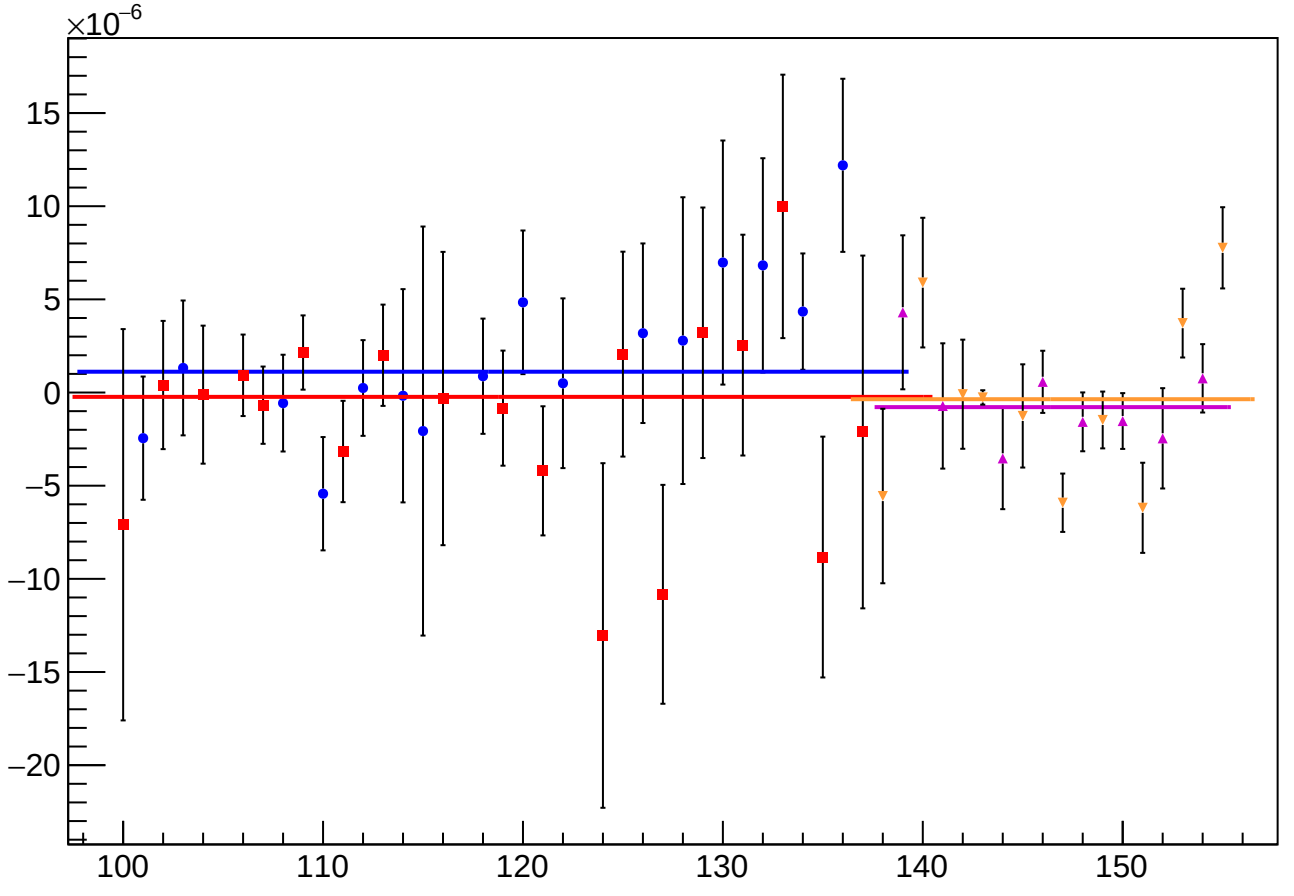
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.245+/-0.013 χ^2/NDF:233010.6/7

+ sign 31.668+/-0.007 χ^2/NDF: 6070777.6/25

All: 29.579+/-0.004 χ^2/NDF: 12115321.4/52

- sign 27.853+/-0.006 χ^2/NDF: 5865908.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/9

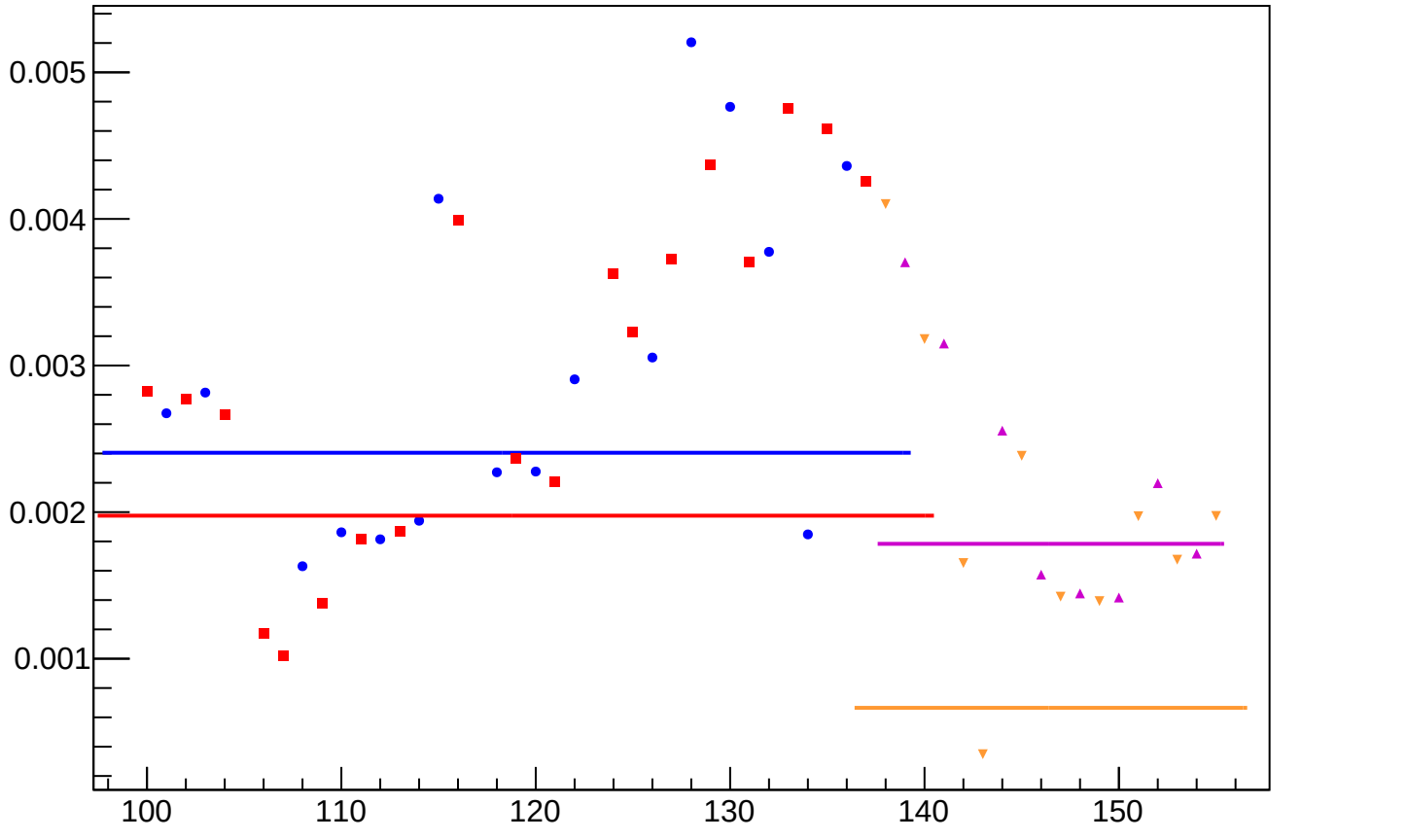
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 60.7/25

All: -0.000+/-0.000 χ^2/NDF: 81.2/52

- sign -0.000+/-0.000 χ^2/NDF: 20.2/26



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7293927.1/9

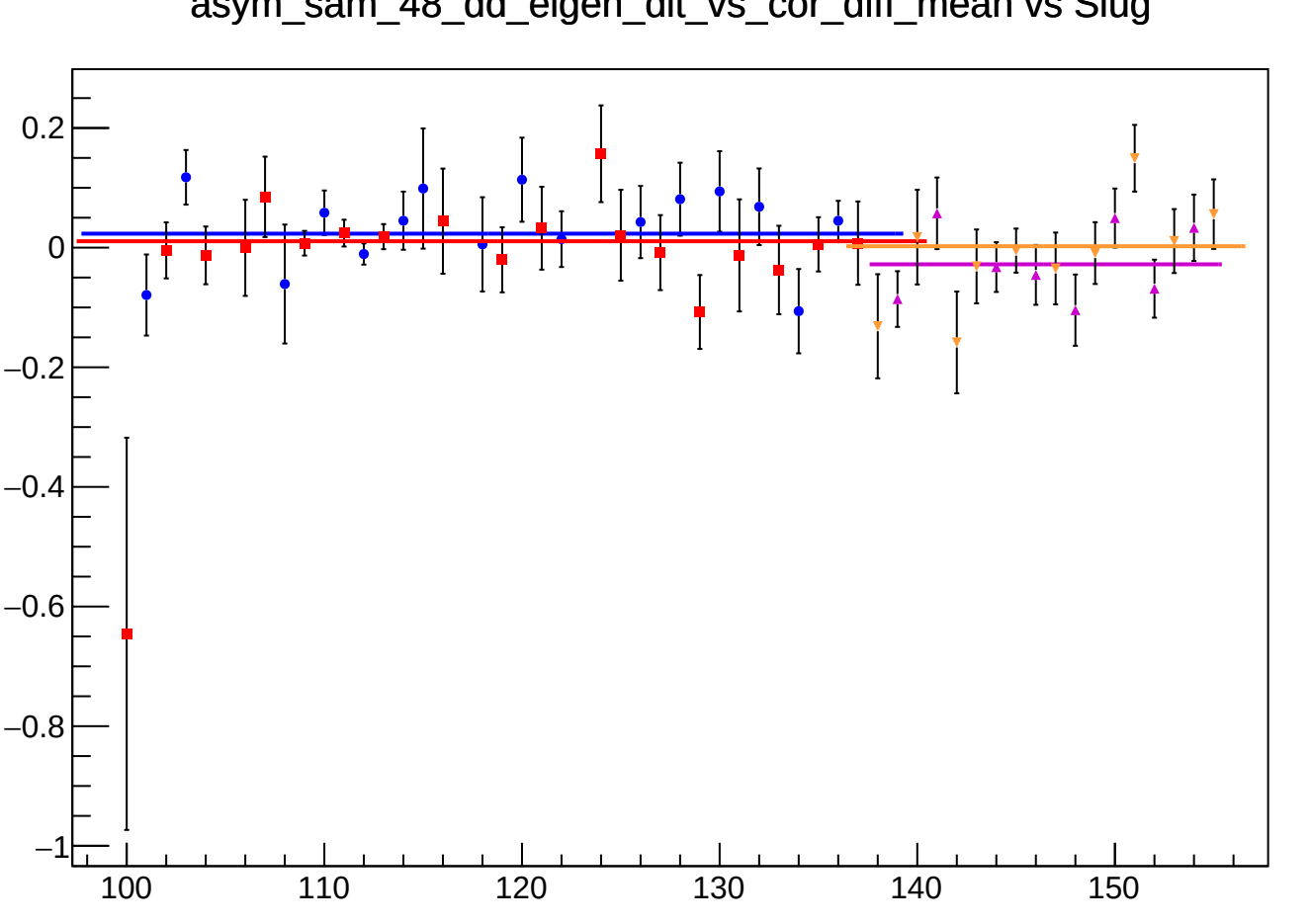
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1215845.0/7

+ sign 0.001+/-0.000 χ^2/NDF: 14758288.2/25

All: 0.001+/-0.000 χ^2/NDF: 23952986.4/52

- sign 0.002+/-0.000 χ^2/NDF: 4053764.6/26



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.002+/-0.018 χ^2/NDF:14.6/9

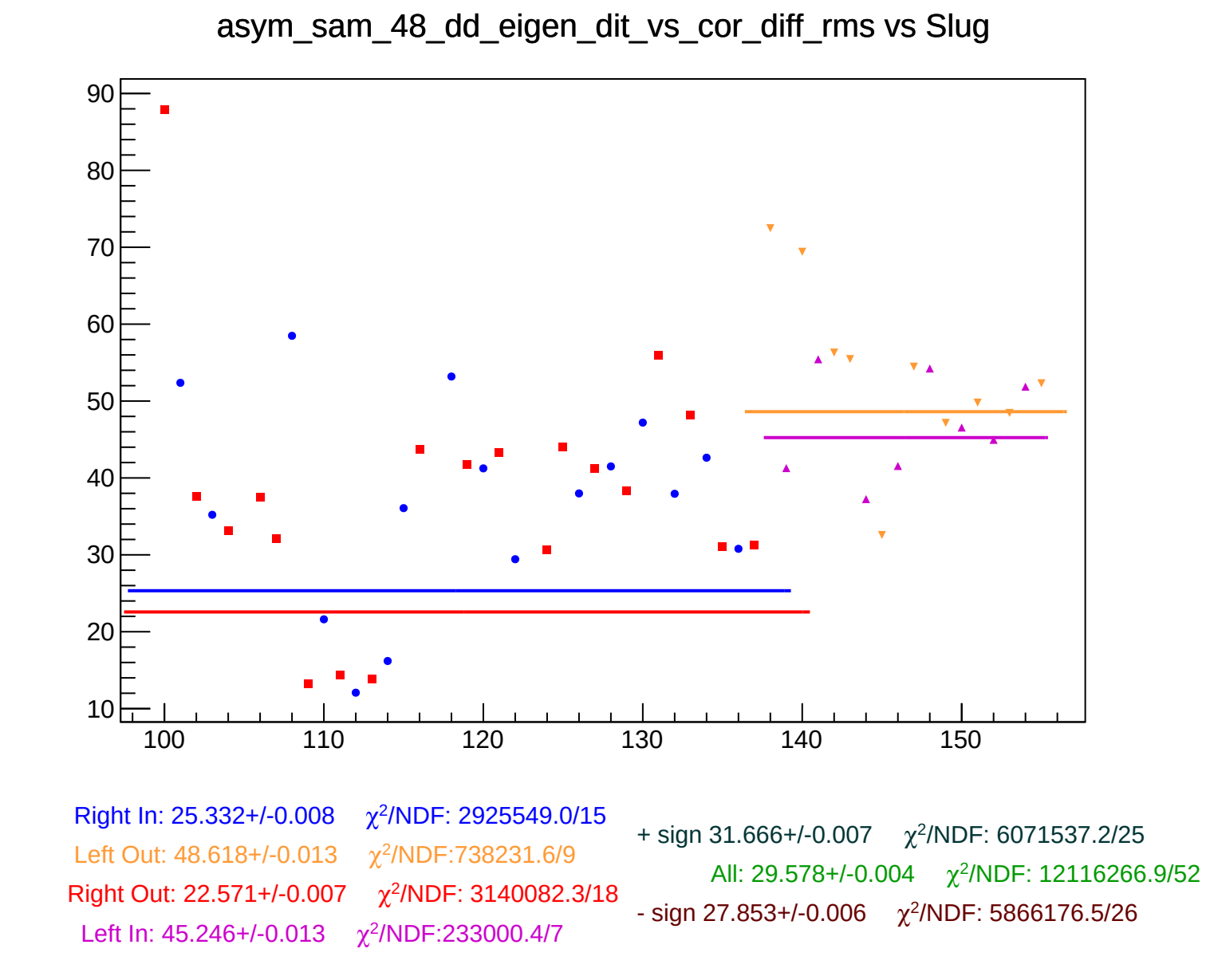
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

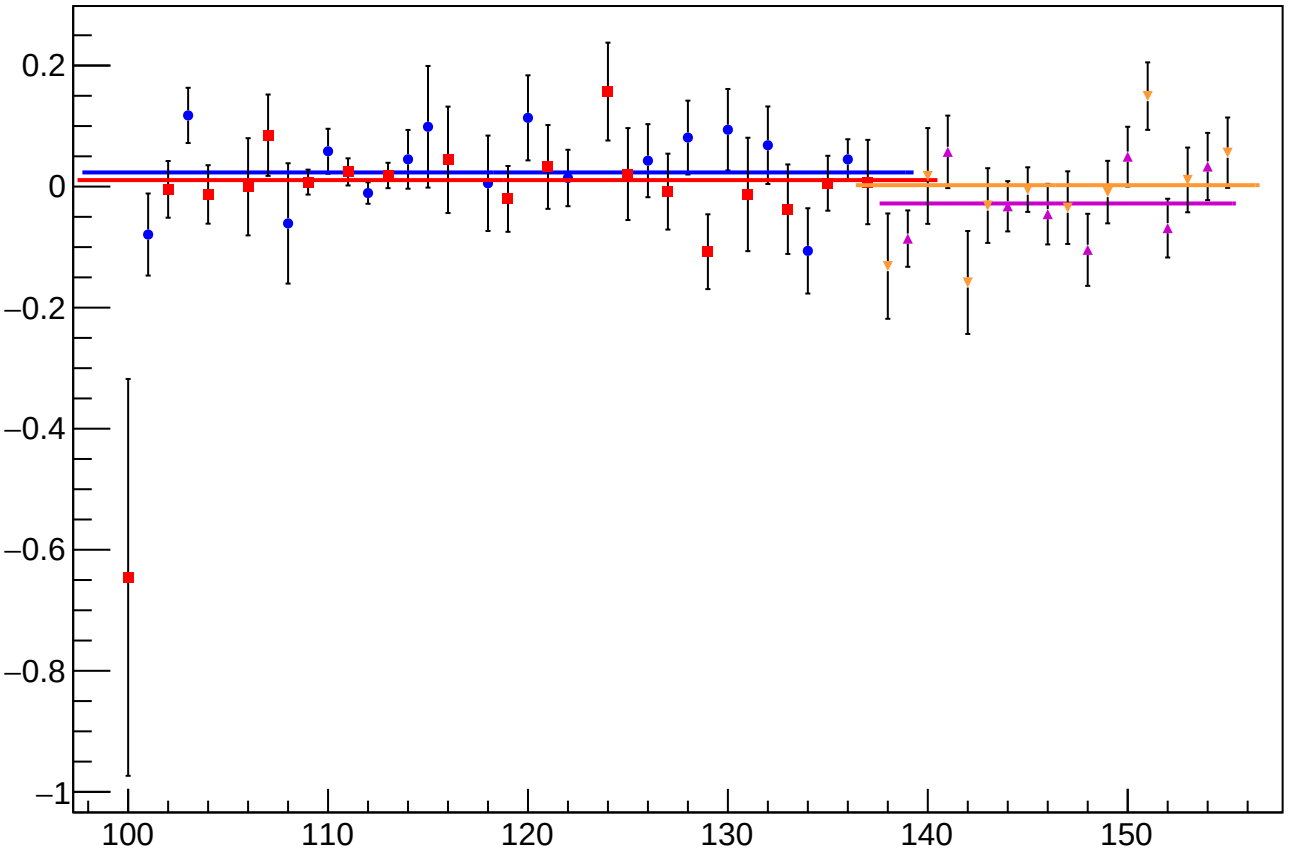
Left In: -0.028+/-0.018 χ^2/NDF:9.7/7

+ sign 0.018+/-0.009 χ^2/NDF: 36.3/25

All: 0.009+/-0.006 χ^2/NDF: 65.5/52

- sign 0.002+/-0.009 χ^2/NDF: 27.6/26


asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 25.332+/-0.008 χ²/NDF: 2925549.0/15
Left Out: 48.618+/-0.013 χ²/NDF:738231.6/9
Right Out: 22.571+/-0.007 χ²/NDF: 3140082.3/18
Left In: 45.246+/-0.013 χ²/NDF:233000.4/7
+ sign 31.666+/-0.007 χ²/NDF: 6071537.2/25
All: 29.578+/-0.004 χ²/NDF: 12116266.9/52
- sign 27.853+/-0.006 χ²/NDF: 5866176.5/26



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.002+/-0.018 χ^2/NDF:14.6/9

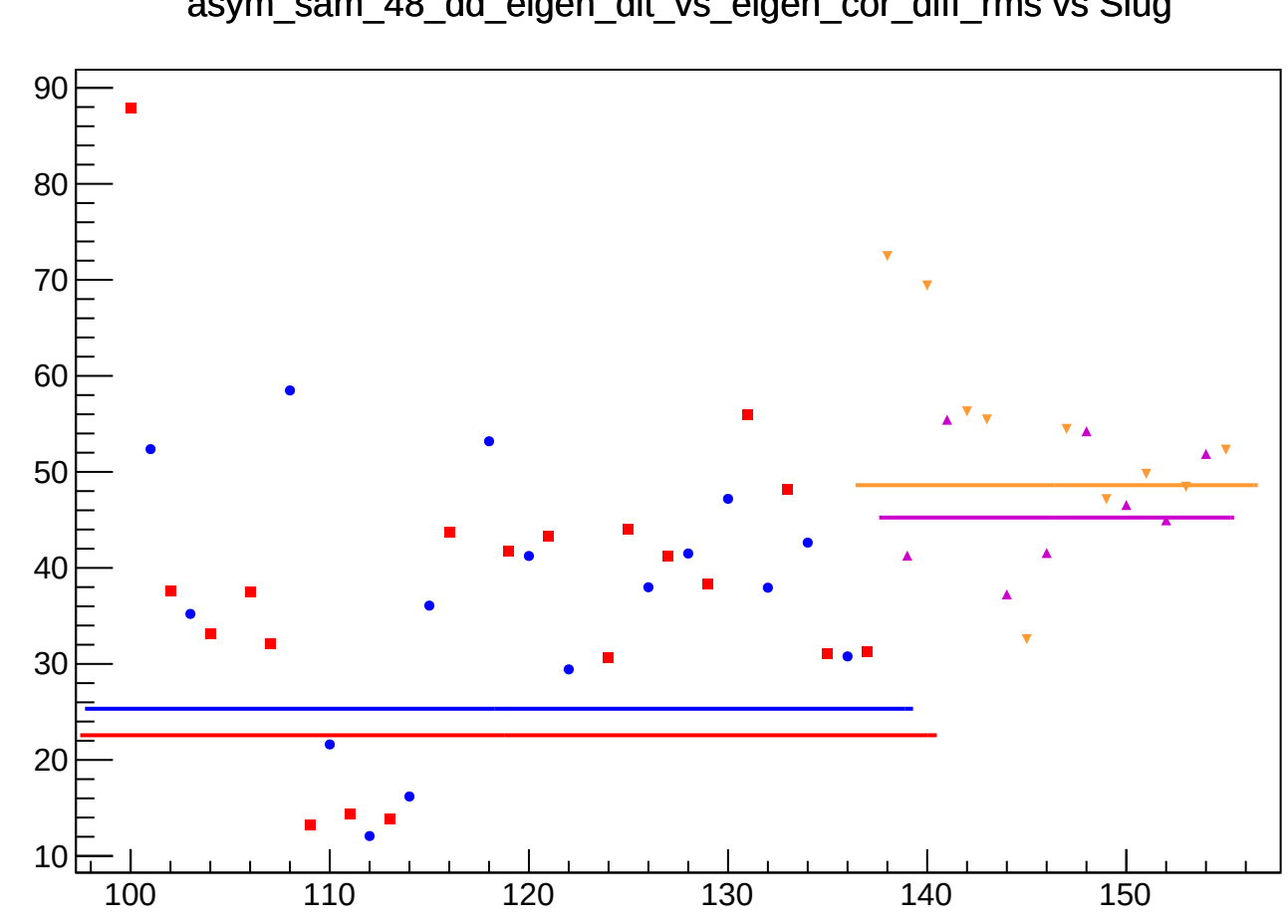
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.028+/-0.018 χ^2/NDF:9.7/7

+ sign 0.018+/-0.009 χ^2/NDF: 36.3/25

All: 0.009+/-0.006 χ^2/NDF: 65.5/52

- sign 0.002+/-0.009 χ^2/NDF: 27.6/26



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.618+/-0.013 χ^2/NDF:738231.6/9

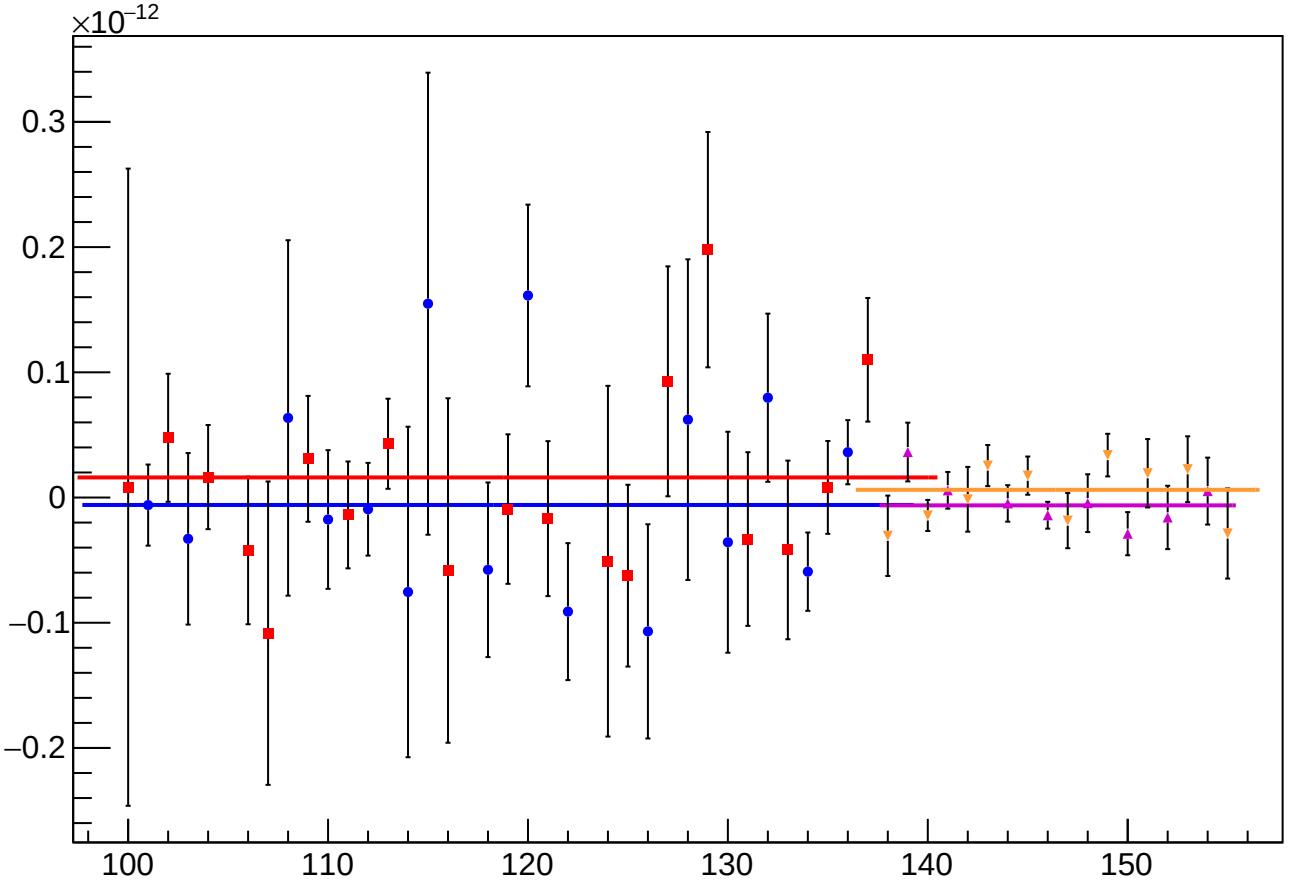
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.246+/-0.013 χ^2/NDF:233000.4/7

+ sign 31.666+/-0.007 χ^2/NDF: 6071537.2/25

All: 29.578+/-0.004 χ^2/NDF: 12116266.9/52

- sign 27.853+/-0.006 χ^2/NDF: 5866176.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/9

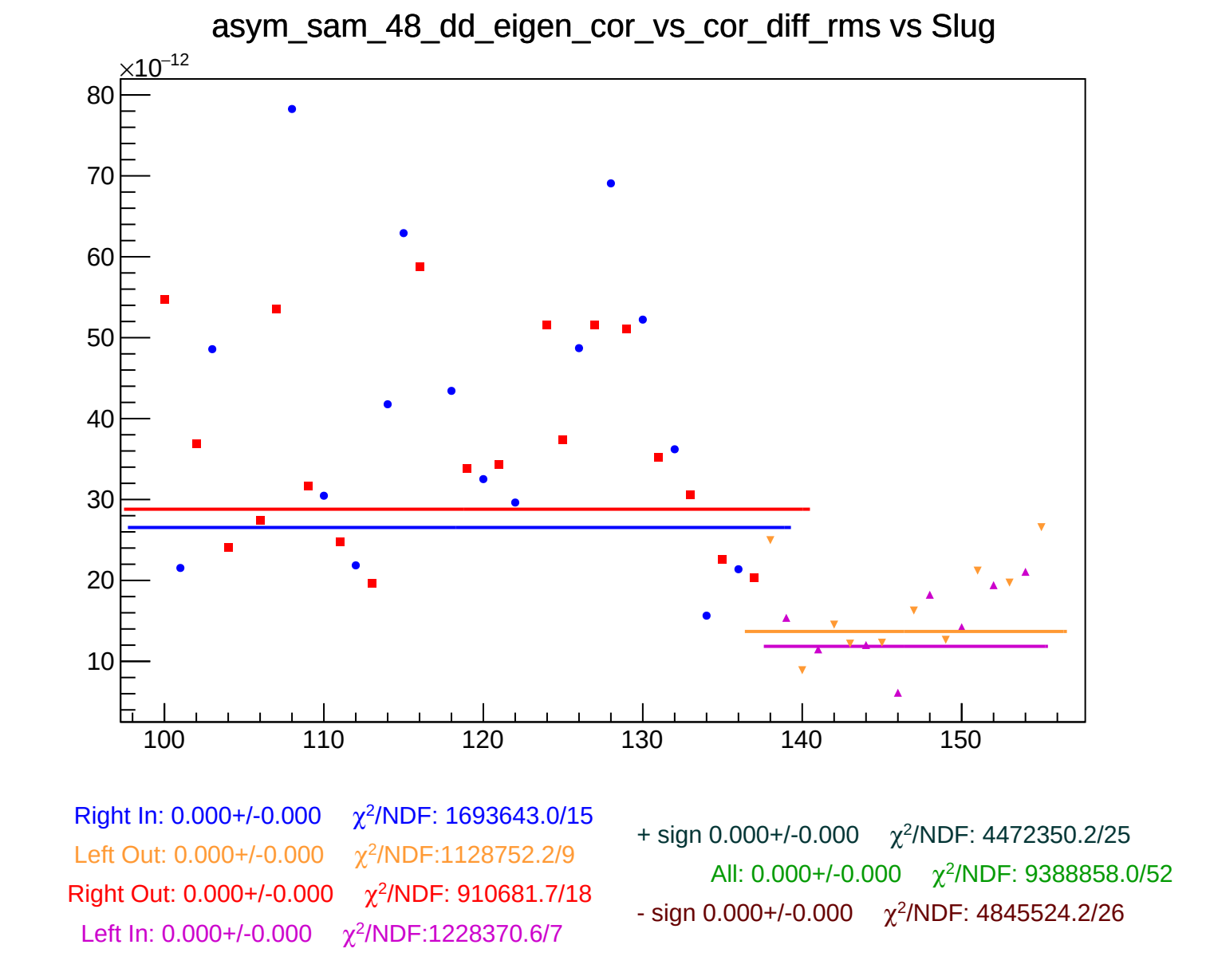
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/25

All: 0.000+/-0.000 χ^2/NDF: 55.6/52

- sign -0.000+/-0.000 χ^2/NDF: 23.9/26


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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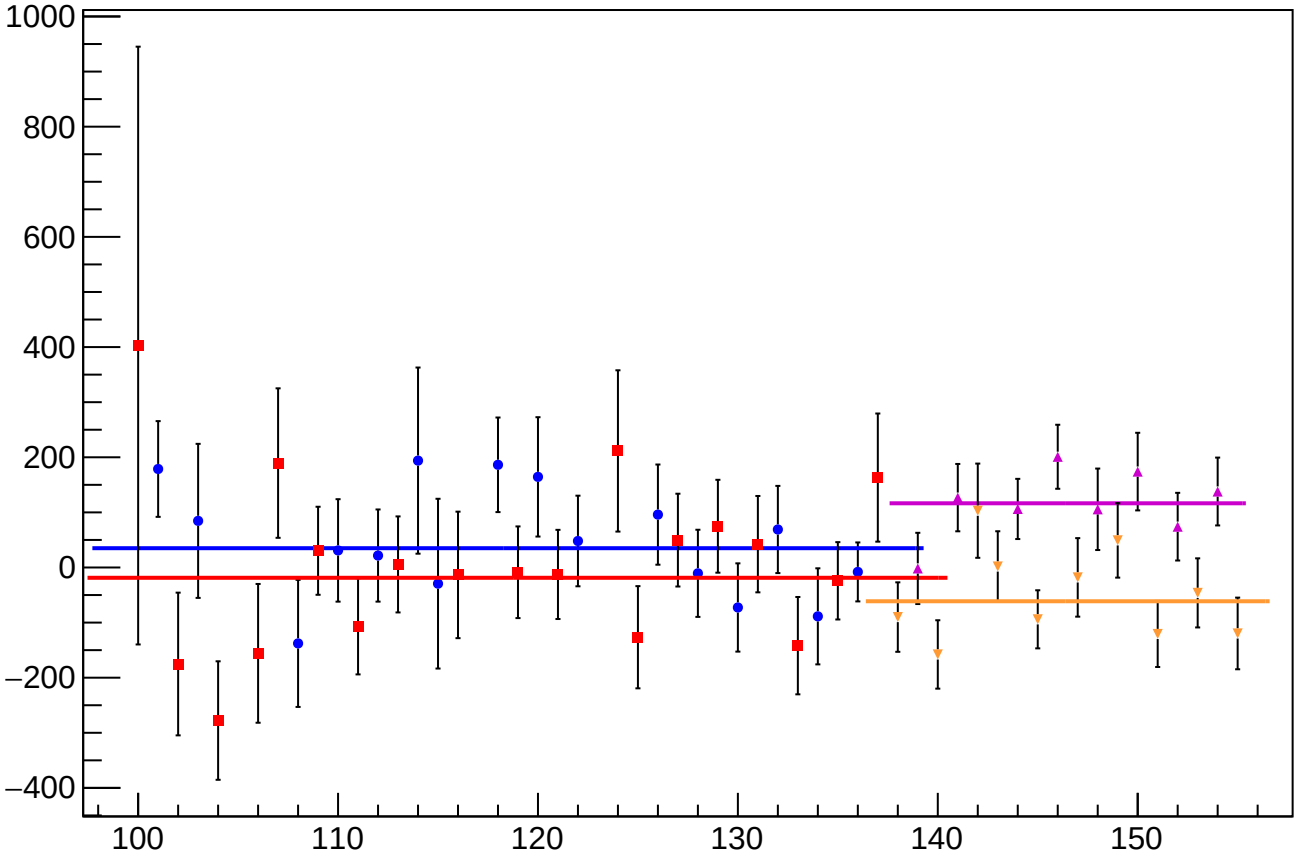
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1128752.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1228370.6/7
+ sign 0.000+/-0.000 χ²/NDF: 4472350.2/25
All: 0.000+/-0.000 χ²/NDF: 9388858.0/52
- sign 0.000+/-0.000 χ²/NDF: 4845524.2/26

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -61.285+/-20.257 χ^2/NDF:12.6/9

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

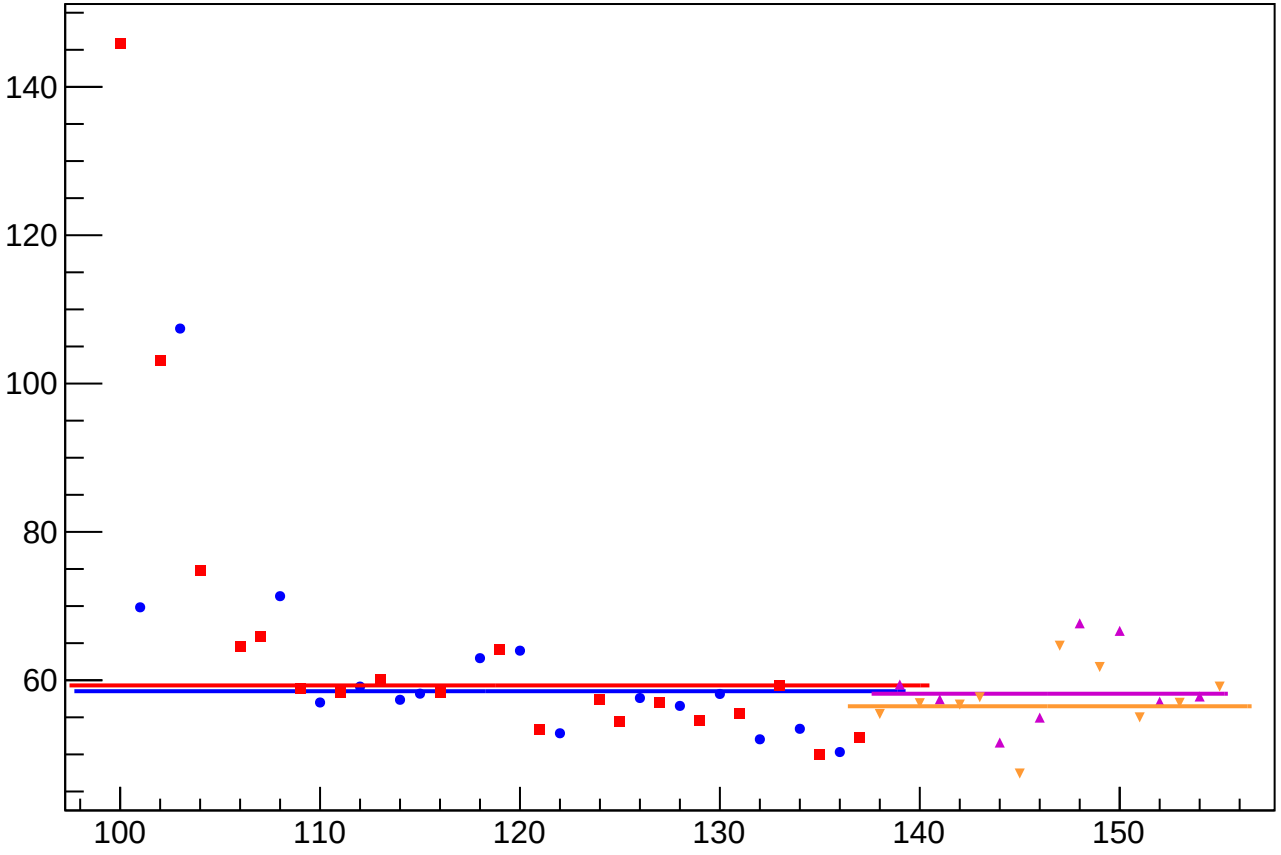
Left In: 116.514+/-22.073 χ^2/NDF:6.8/7

+ sign -17.389+/-14.944 χ^2/NDF: 39.1/25

All: 14.365+/-10.802 χ^2/NDF: 97.5/52

- sign 49.106+/-15.631 χ^2/NDF: 49.0/26

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.491+/-0.014 χ^2/NDF:103735.1/9

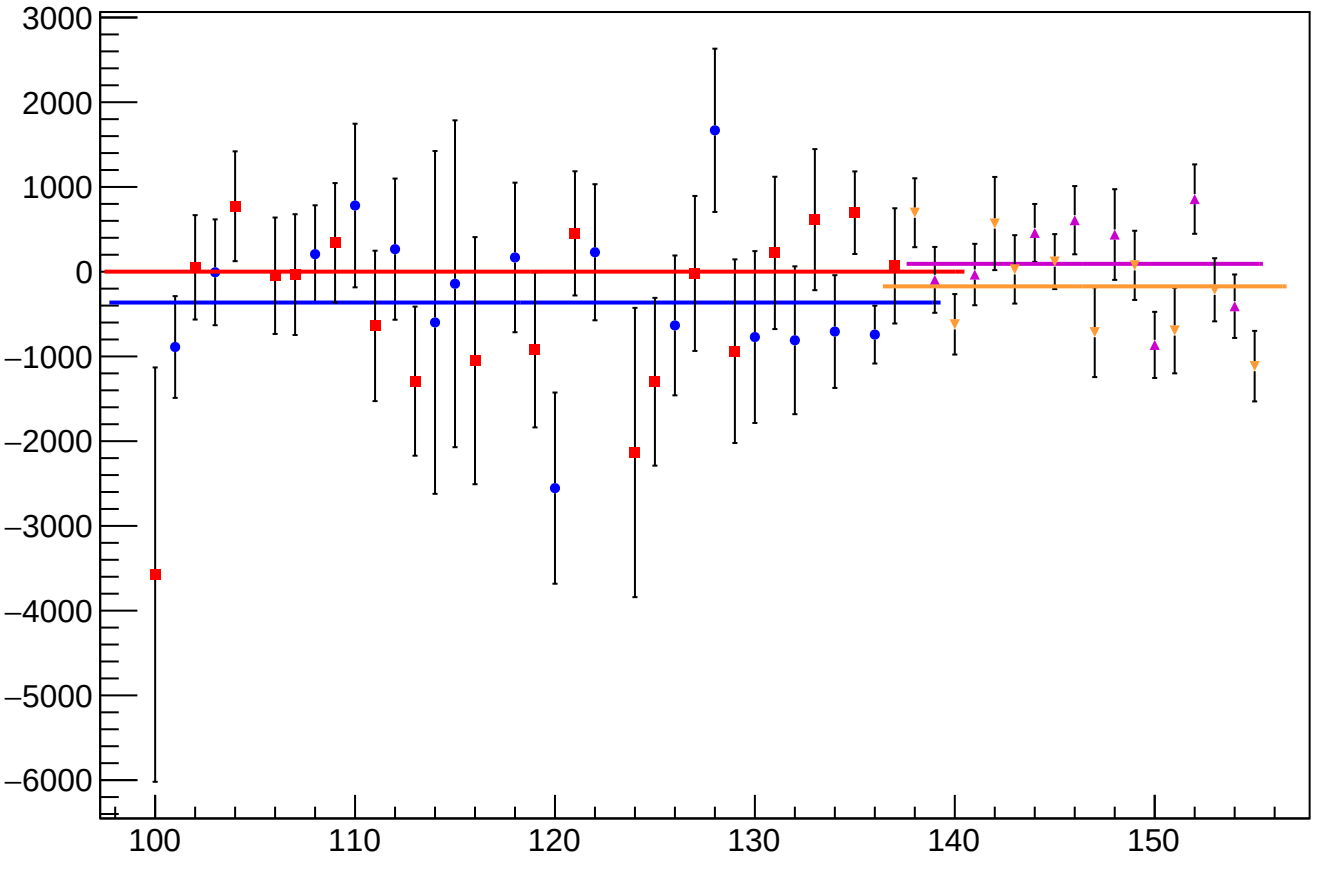
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.182+/-0.016 χ^2/NDF:98880.3/7

+ sign 57.416+/-0.011 χ^2/NDF: 505640.1/25

All: 58.048+/-0.008 χ^2/NDF: 1021187.6/52

- sign 58.740+/-0.011 χ^2/NDF: 508057.1/26



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -173.192+/-129.850 χ^2/NDF:16.6/9

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

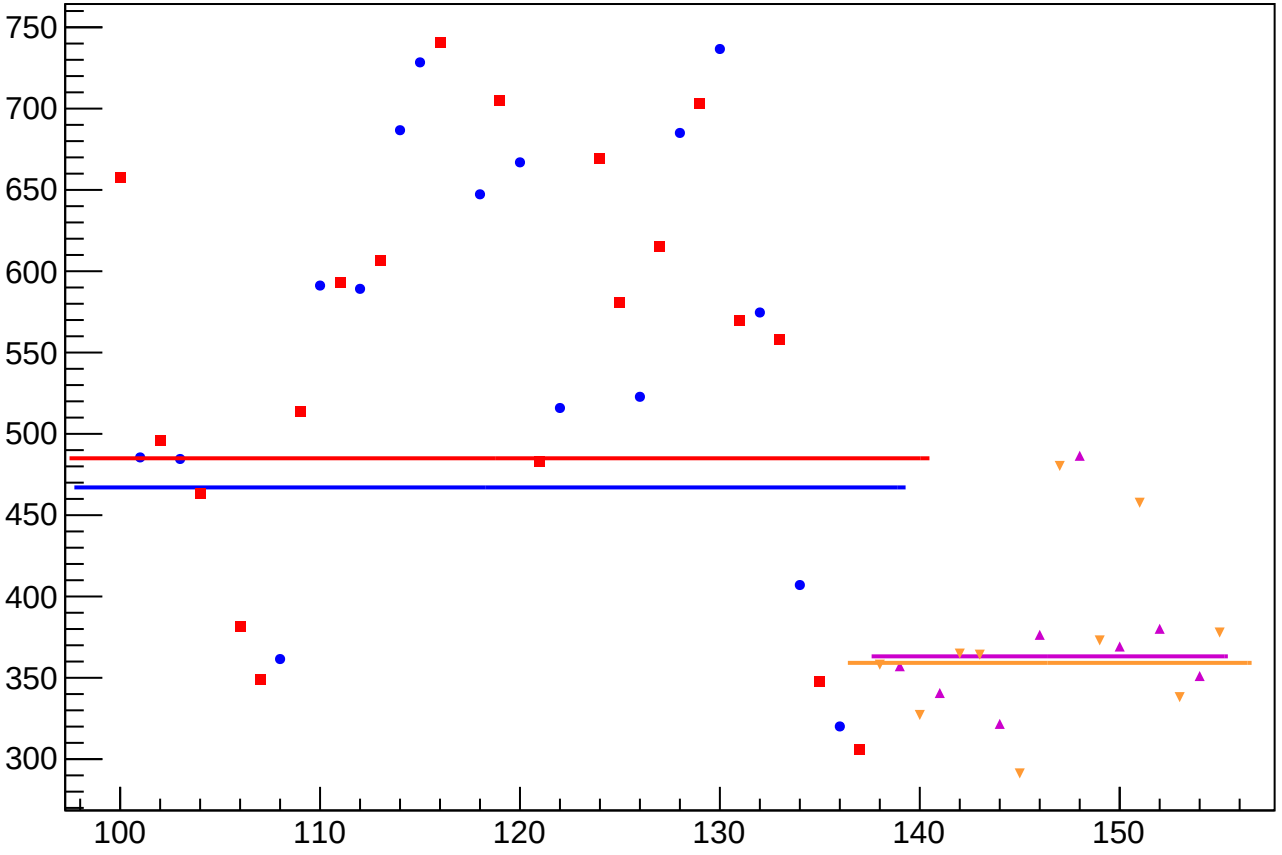
Left In: 92.696+/-138.513 χ^2/NDF:14.8/7

+ sign -238.242+/-105.428 χ^2/NDF: 32.6/25

All: -96.471+/-76.267 χ^2/NDF: 66.5/52

- sign 59.161+/-110.462 χ^2/NDF: 30.1/26

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 359.188+/-0.092 χ^2/NDF:297418.2/9

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

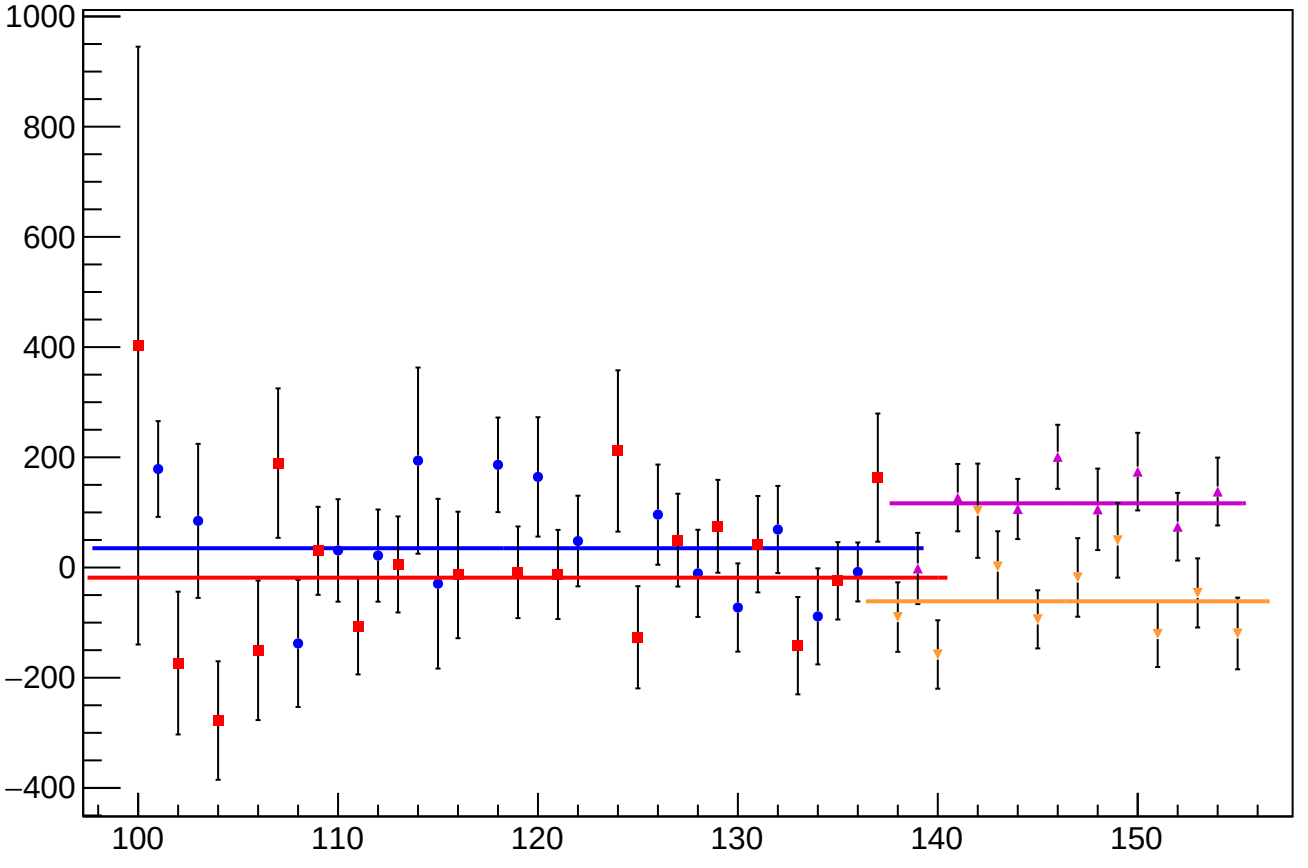
Left In: 363.193+/-0.098 χ^2/NDF:152185.9/7

\+ sign 395.951+/-0.075 χ^2/NDF: 1798137.2/25

All: 401.469+/-0.054 χ^2/NDF: 3398751.3/52

\- sign 407.526+/-0.078 χ^2/NDF: 1589122.1/26

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -61.285+/-20.257 χ^2/NDF:12.6/9

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

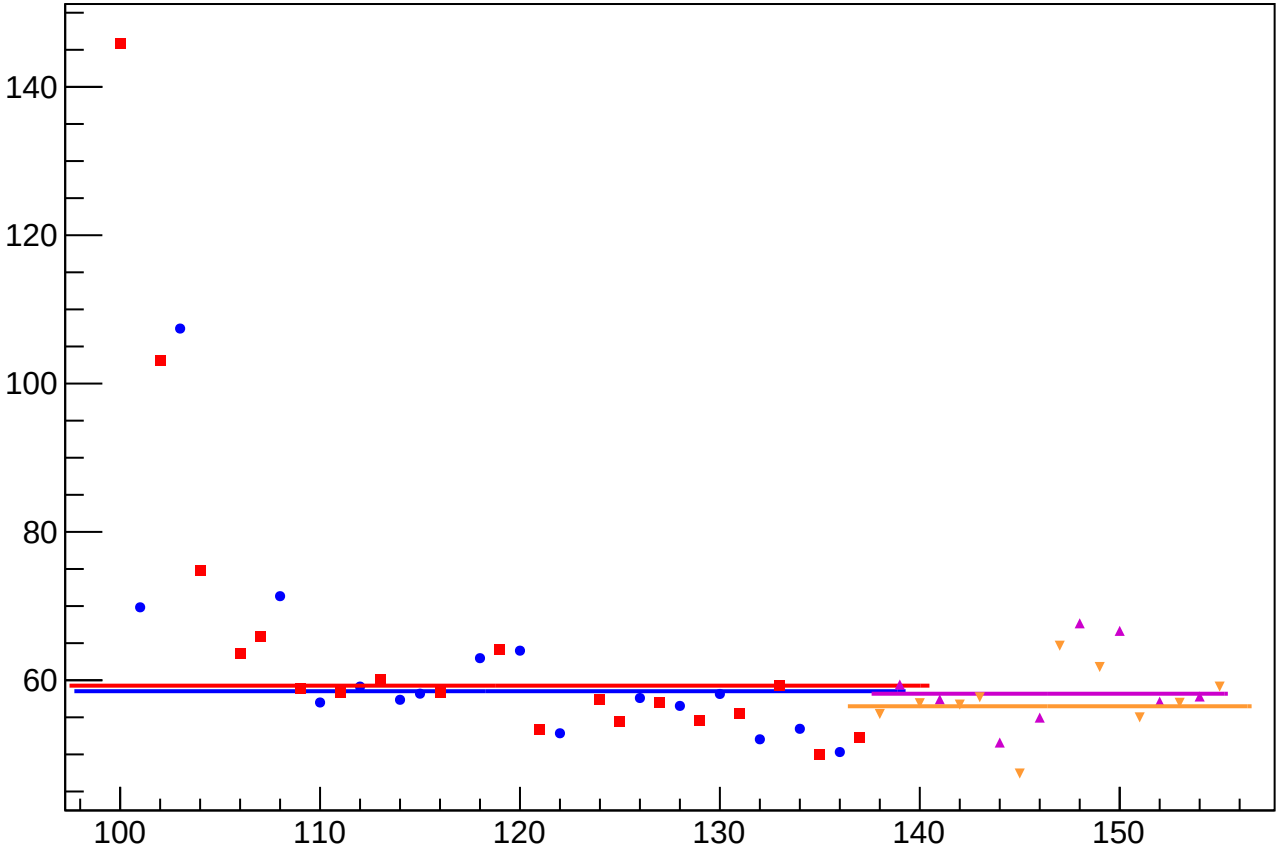
Left In: 116.514+/-22.073 χ^2/NDF:6.8/7

+ sign -17.390+/-14.944 χ^2/NDF: 39.1/25

All: 14.433+/-10.802 χ^2/NDF: 97.4/52

- sign 49.255+/-15.632 χ^2/NDF: 48.8/26

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.491+/-0.014 χ^2/NDF:103735.1/9

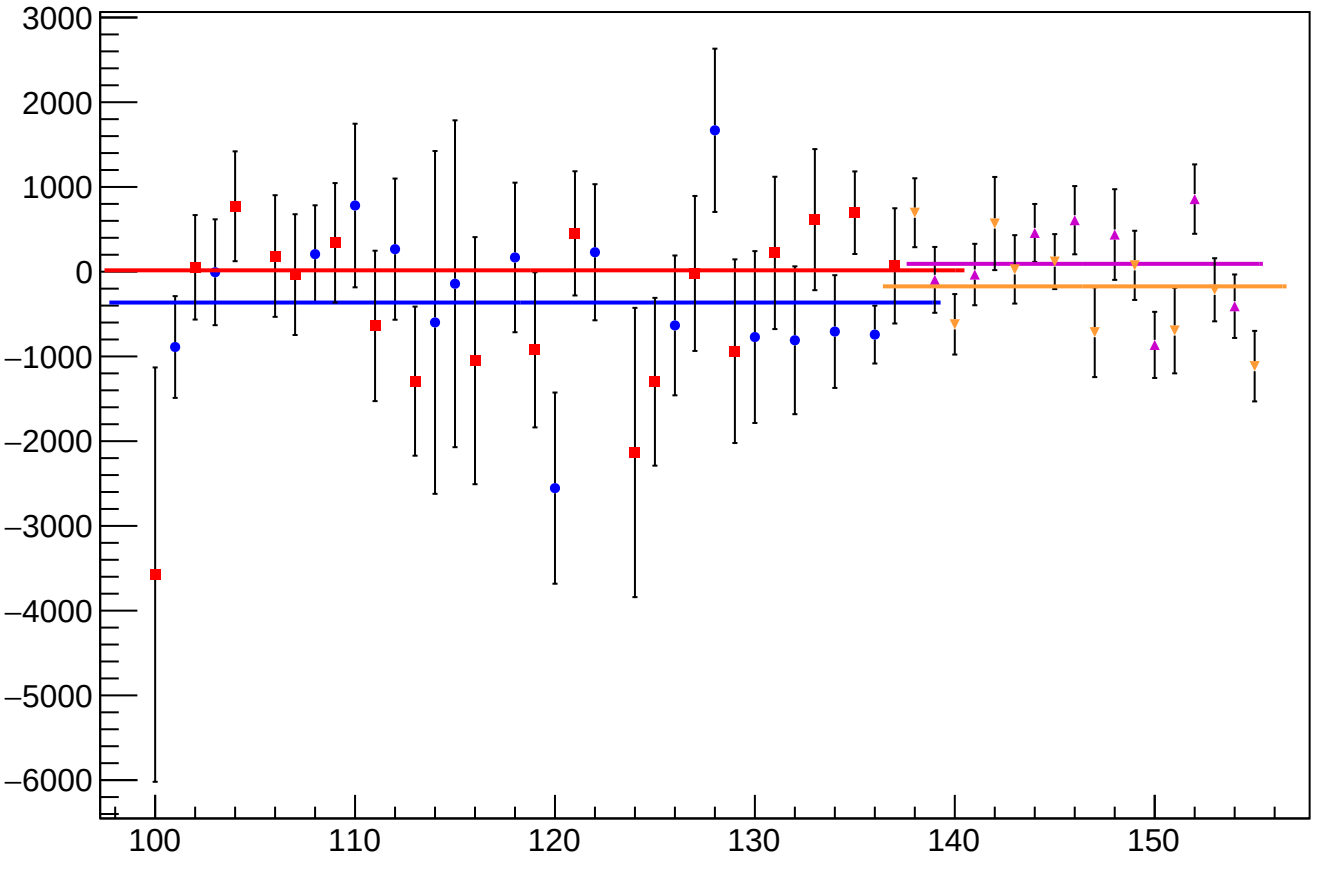
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.182+/-0.016 χ^2/NDF:98880.3/7

+ sign 57.416+/-0.011 χ^2/NDF: 505642.2/25

All: 58.041+/-0.008 χ^2/NDF: 1019869.9/52

- sign 58.724+/-0.011 χ^2/NDF: 506917.8/26



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -173.194+/-129.850 χ^2/NDF:16.6/9

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

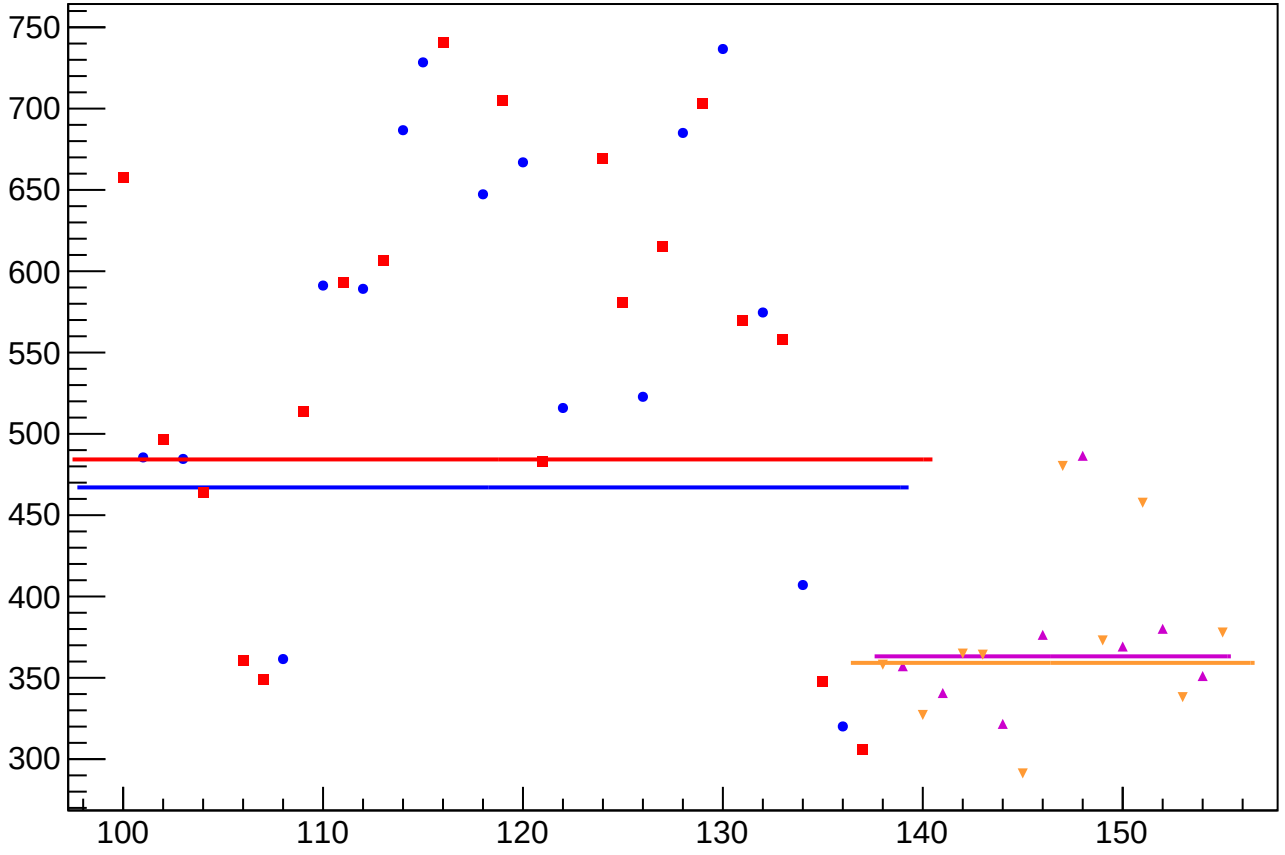
Left In: 92.694+/-138.513 χ^2/NDF:14.8/7

+ sign -238.230+/-105.429 χ^2/NDF: 32.6/25

All: -93.890+/-76.307 χ^2/NDF: 66.6/52

- sign 64.917+/-110.586 χ^2/NDF: 30.1/26

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 359.188+/-0.092 χ^2/NDF:297419.3/9

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

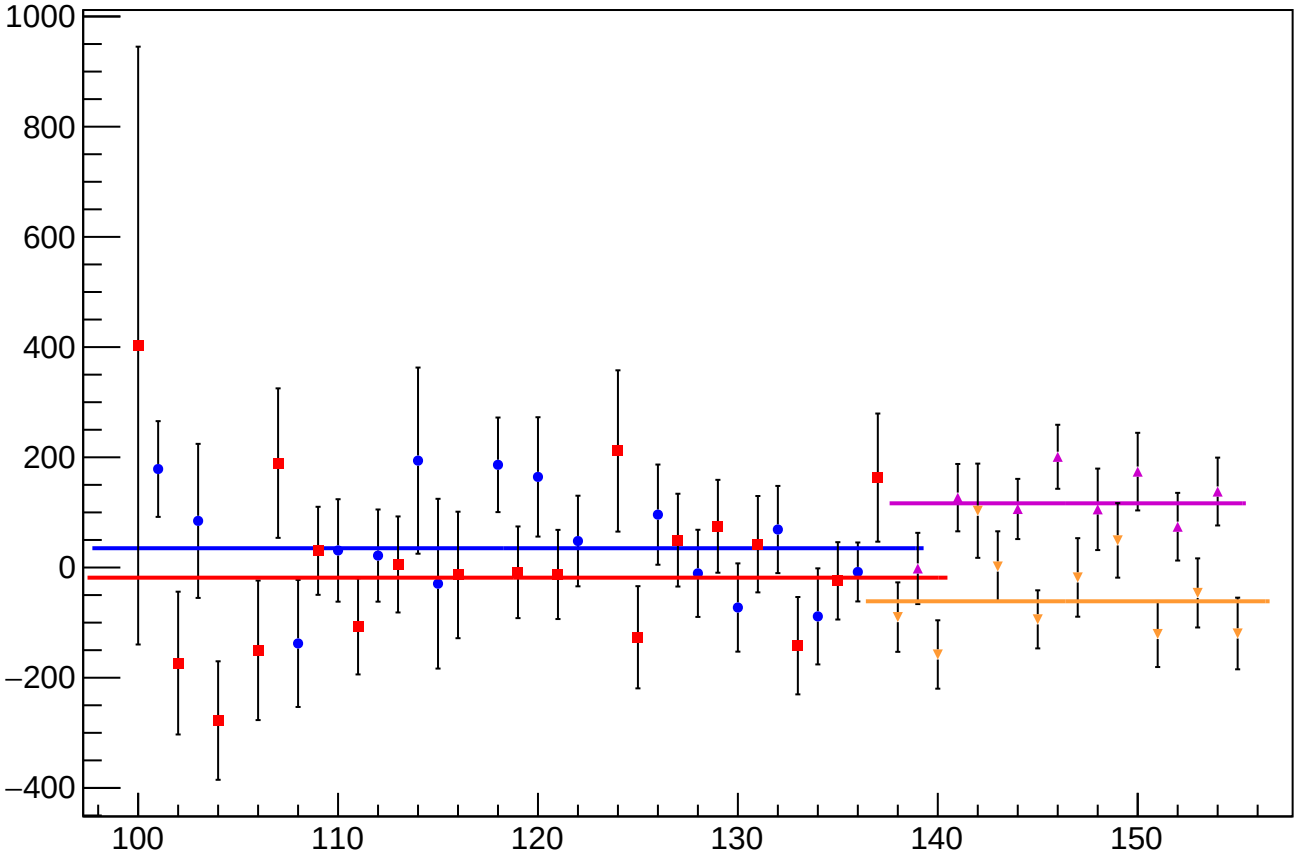
Left In: 363.194+/-0.098 χ^2/NDF:152185.7/7

\+ sign 395.952+/-0.075 χ^2/NDF: 1798160.7/25

All: 401.258+/-0.054 χ^2/NDF: 3403911.5/52

\- sign 407.096+/-0.078 χ^2/NDF: 1595110.7/26

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -61.285+/-20.257 χ^2/NDF:12.6/9

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

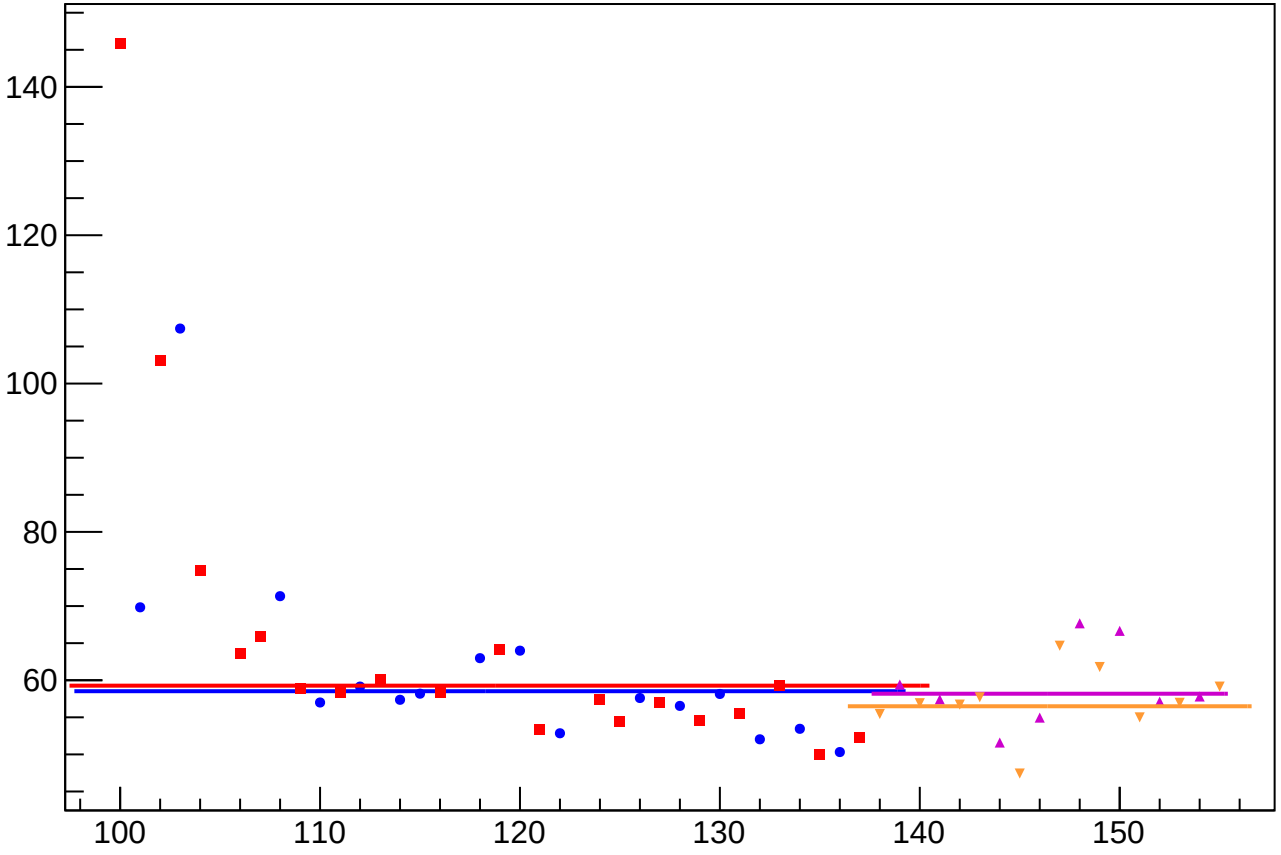
Left In: 116.514+/-22.073 χ^2/NDF:6.8/7

+ sign -17.390+/-14.944 χ^2/NDF: 39.1/25

All: 14.433+/-10.802 χ^2/NDF: 97.4/52

- sign 49.255+/-15.632 χ^2/NDF: 48.8/26

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.491+/-0.014 χ^2/NDF:103735.1/9

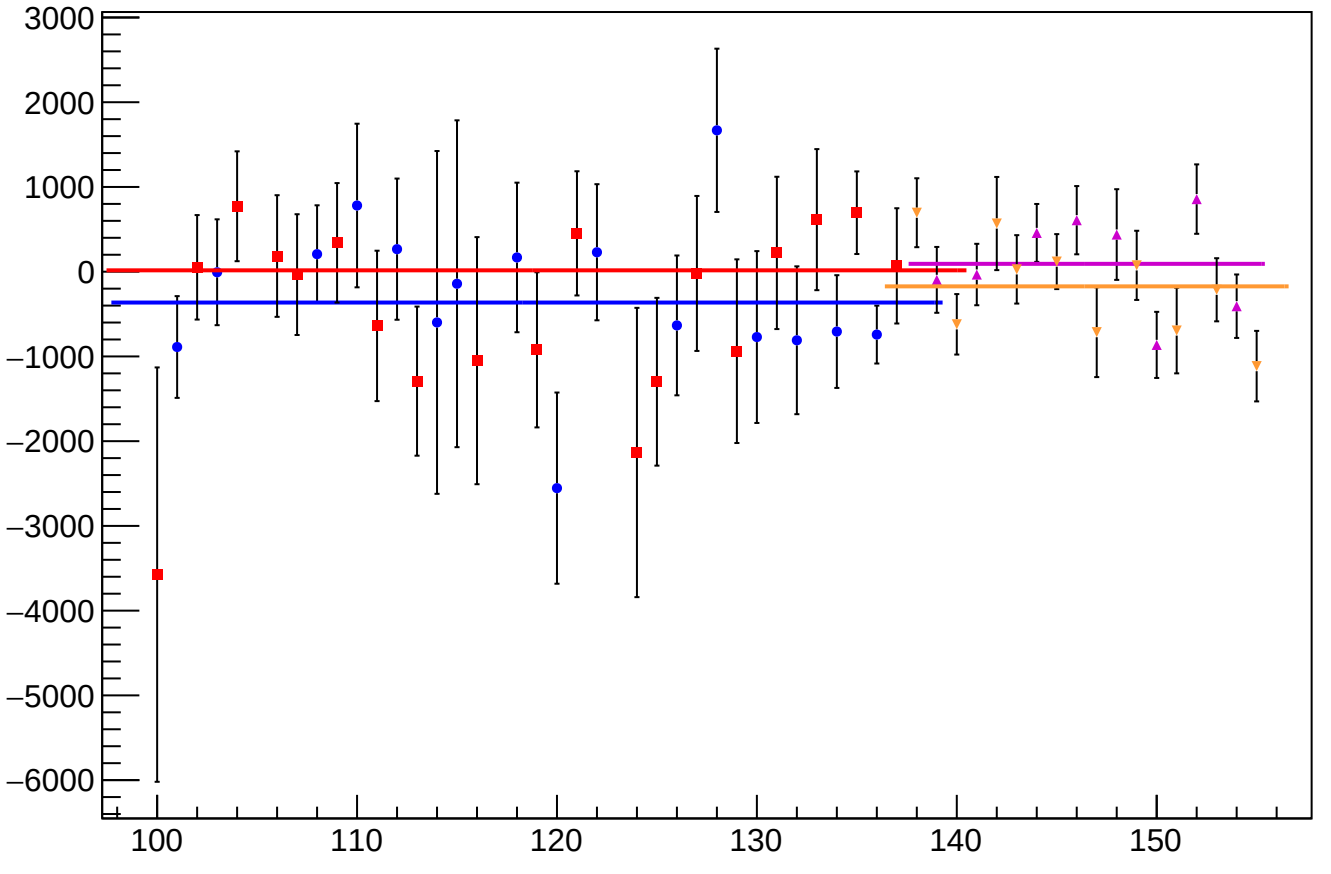
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.182+/-0.016 χ^2/NDF:98880.3/7

+ sign 57.416+/-0.011 χ^2/NDF: 505642.2/25

All: 58.041+/-0.008 χ^2/NDF: 1019869.9/52

- sign 58.724+/-0.011 χ^2/NDF: 506917.8/26



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -173.194+/-129.850 χ^2/NDF:16.6/9

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

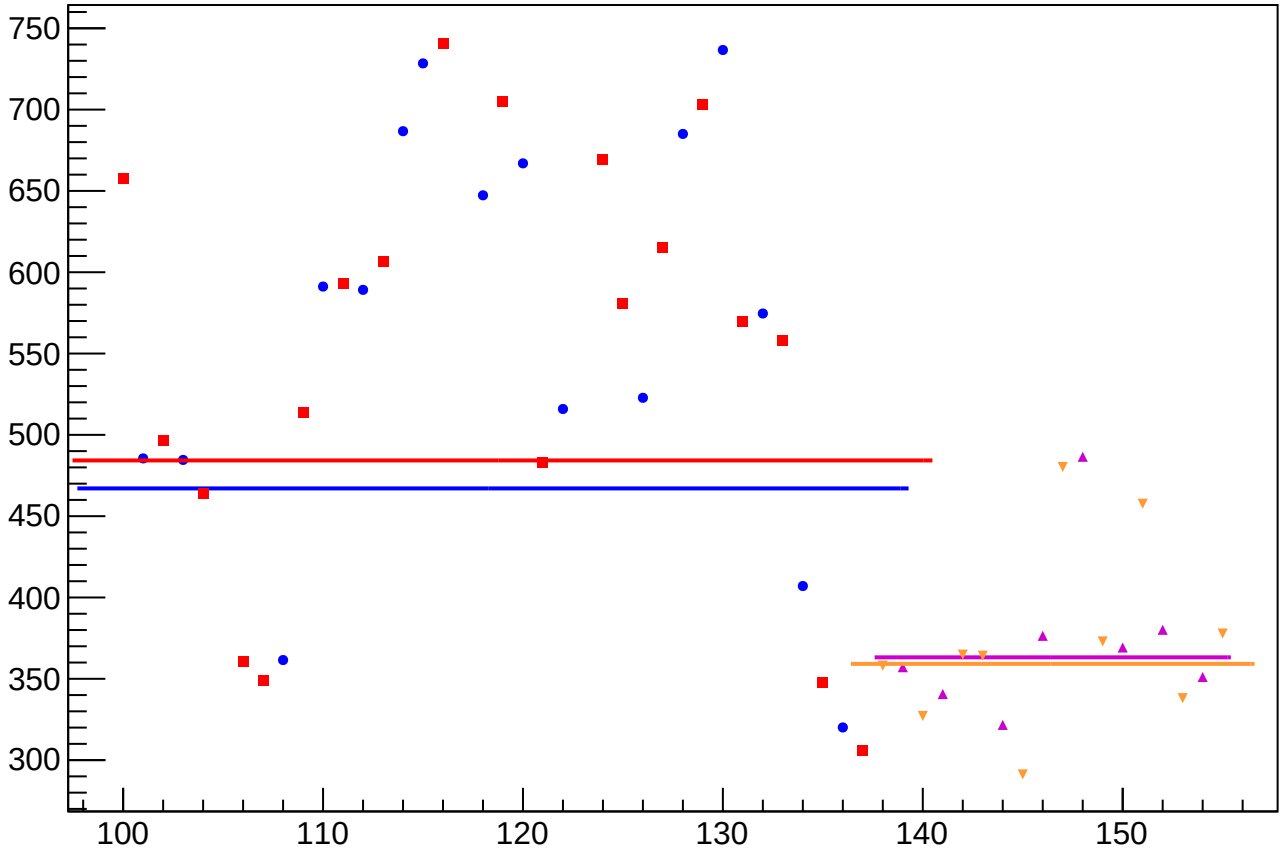
Left In: 92.694+/-138.513 χ^2/NDF:14.8/7

+ sign -238.230+/-105.429 χ^2/NDF: 32.6/25

All: -93.890+/-76.307 χ^2/NDF: 66.6/52

- sign 64.917+/-110.586 χ^2/NDF: 30.1/26

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 359.188+/-0.092 χ^2/NDF:297419.3/9

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

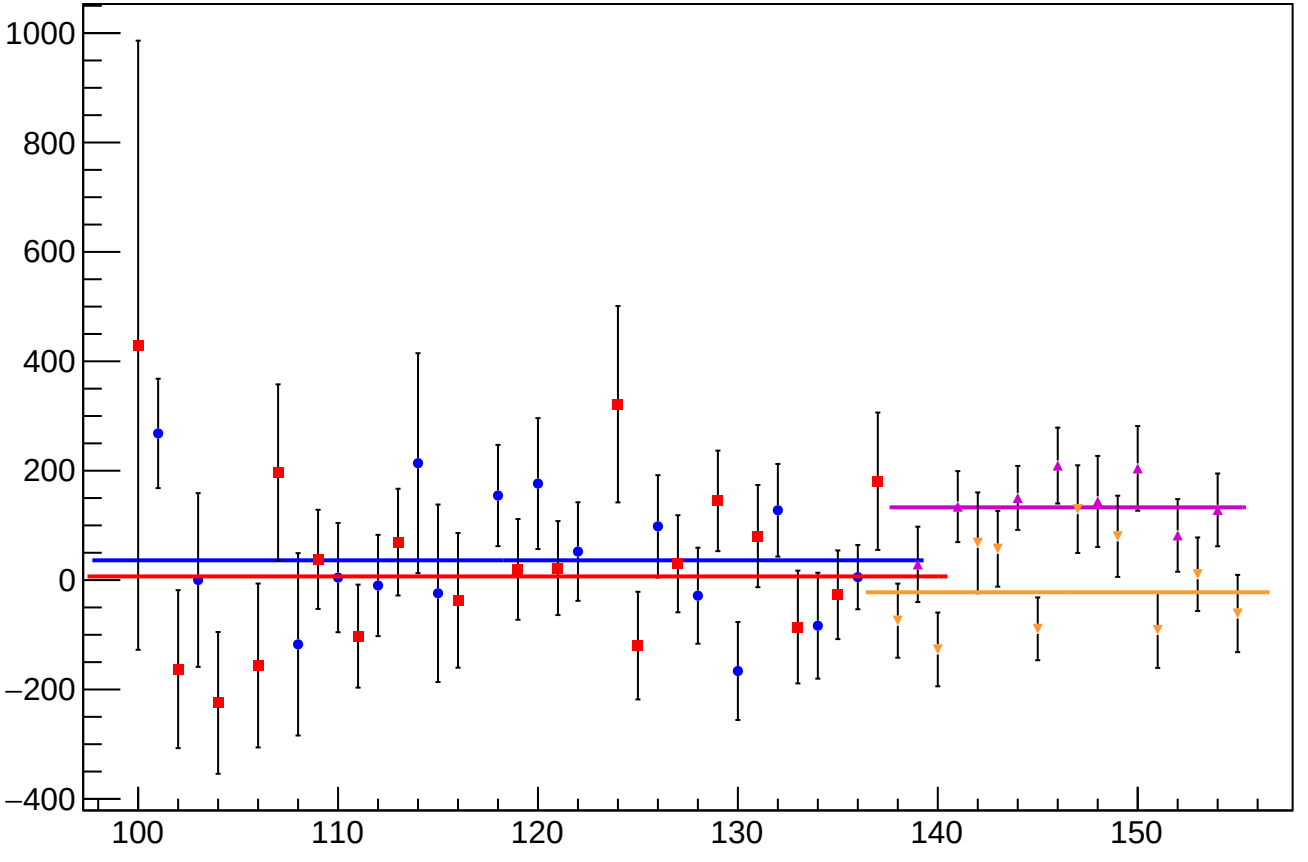
Left In: 363.194+/-0.098 χ^2/NDF:152185.7/7

\+ sign 395.952+/-0.075 χ^2/NDF: 1798160.7/25

All: 401.258+/-0.054 χ^2/NDF: 3403911.5/52

\- sign 407.096+/-0.078 χ^2/NDF: 1595110.7/26

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -22.239+/-22.176 χ^2/NDF:13.7/9

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

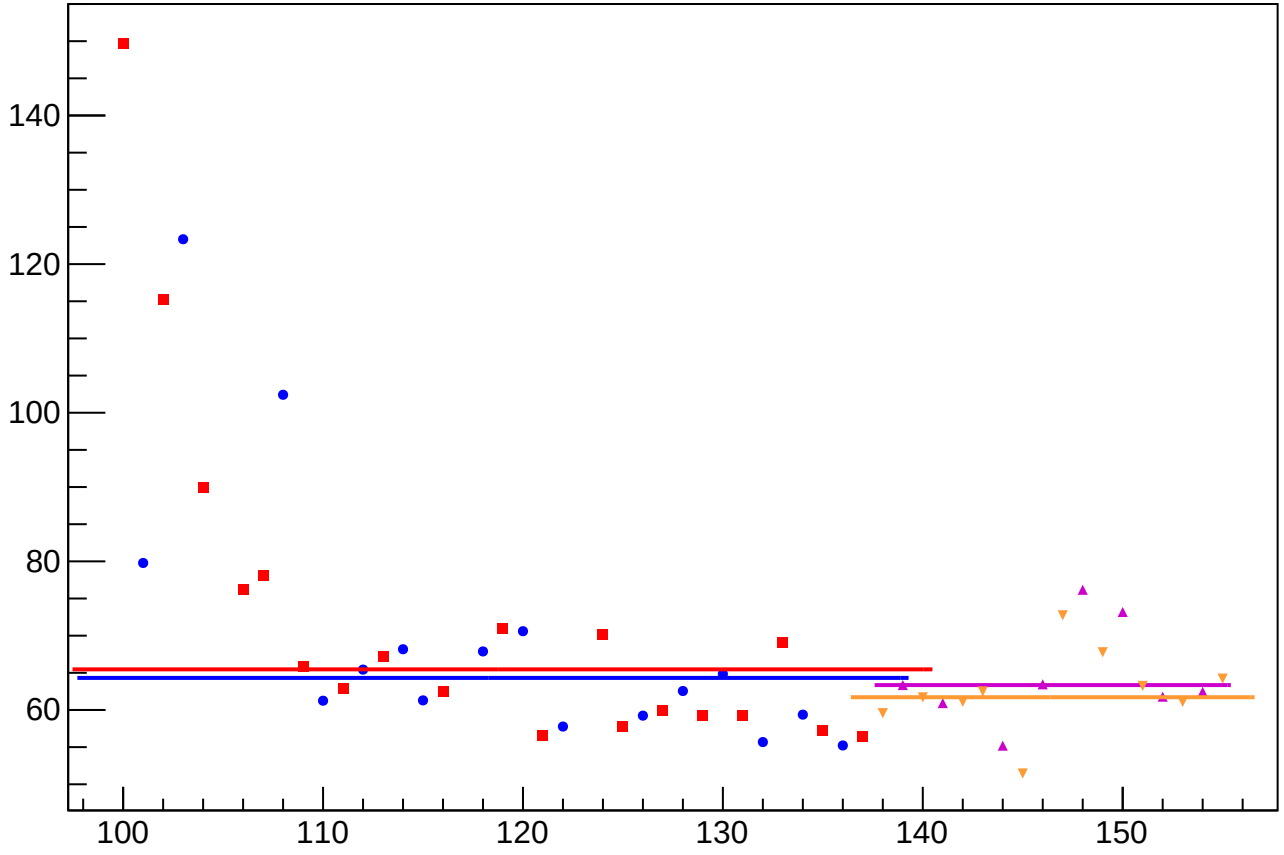
Left In: 133.027+/-24.168 χ^2/NDF:5.1/7

+ sign 4.092+/-16.432 χ^2/NDF: 36.4/25

All: 35.923+/-11.891 χ^2/NDF: 83.1/52

- sign 70.910+/-17.228 χ^2/NDF: 38.8/26

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.717+/-0.016 χ^2/NDF:120979.9/9

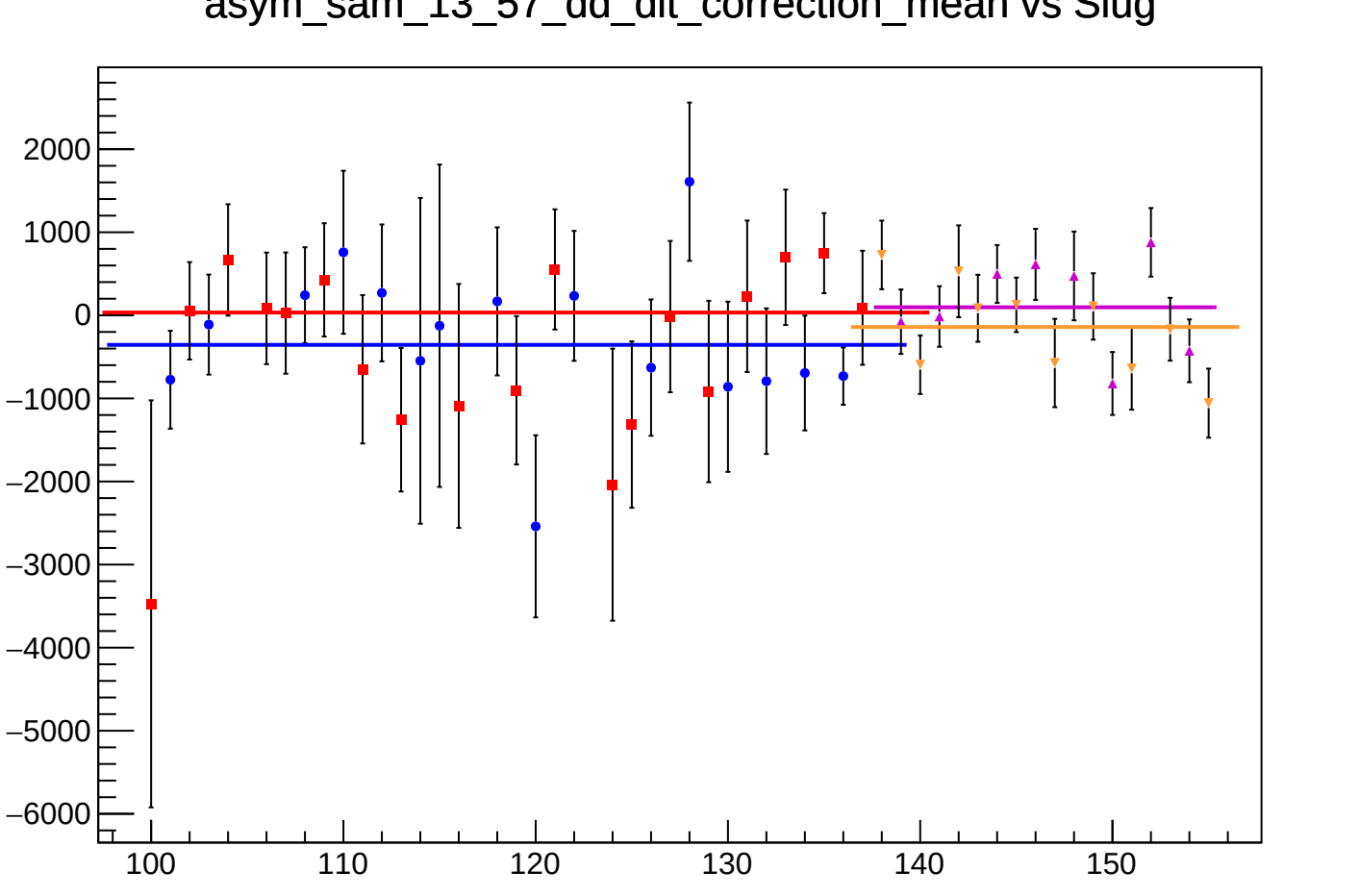
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.350+/-0.017 χ^2/NDF:122909.7/7

+ sign 62.889+/-0.012 χ^2/NDF: 665438.6/25

All: 63.604+/-0.008 χ^2/NDF: 1286209.8/52

- sign 64.391+/-0.012 χ^2/NDF: 612809.3/26



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -140.524+/-129.916 χ^2/NDF:15.4/9

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

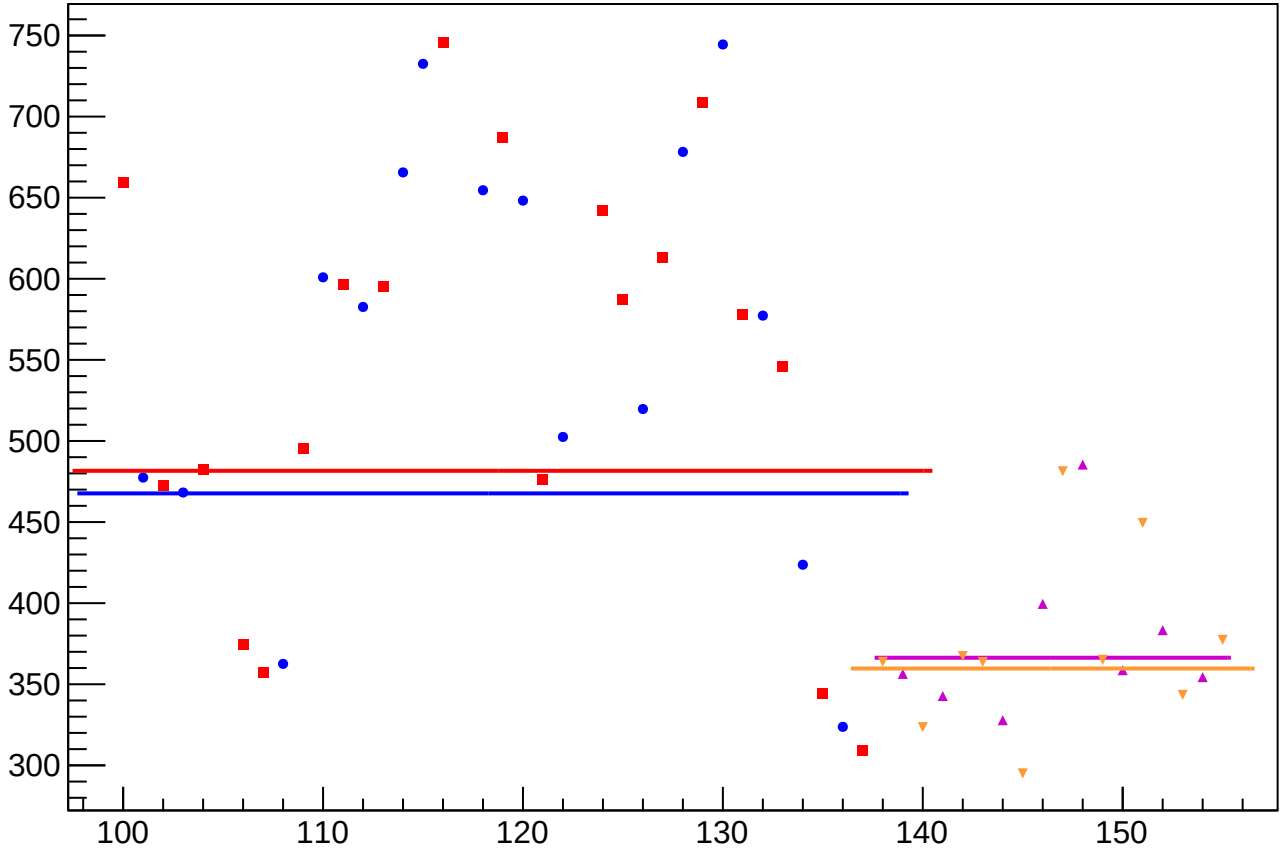
Left In: 96.998+/-139.707 χ^2/NDF:14.9/7

+ sign -213.986+/-105.411 χ^2/NDF: 31.2/25

All: -77.308+/-76.345 χ^2/NDF: 65.1/52

- sign 73.490+/-110.722 χ^2/NDF: 30.4/26

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 359.699+/-0.092 χ^2/NDF:277092.9/9

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

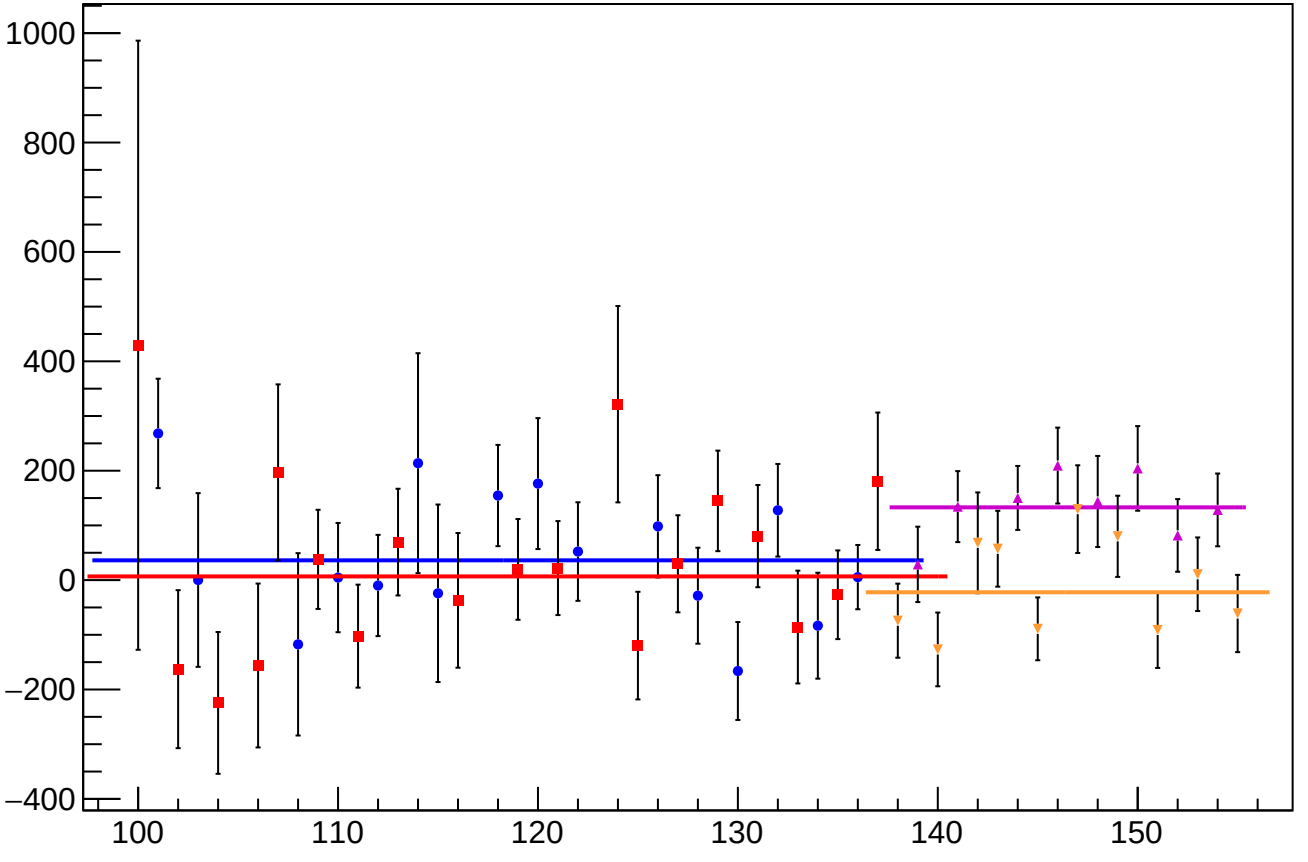
Left In: 366.349+/-0.099 χ^2/NDF:151880.8/7

\+ sign 396.591+/-0.075 χ^2/NDF: 1735059.9/25

All: 402.591+/-0.054 χ^2/NDF: 3261026.8/52

\- sign 409.210+/-0.078 χ^2/NDF: 1512339.8/26

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -22.238+/-22.176 χ^2/NDF:13.7/9

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

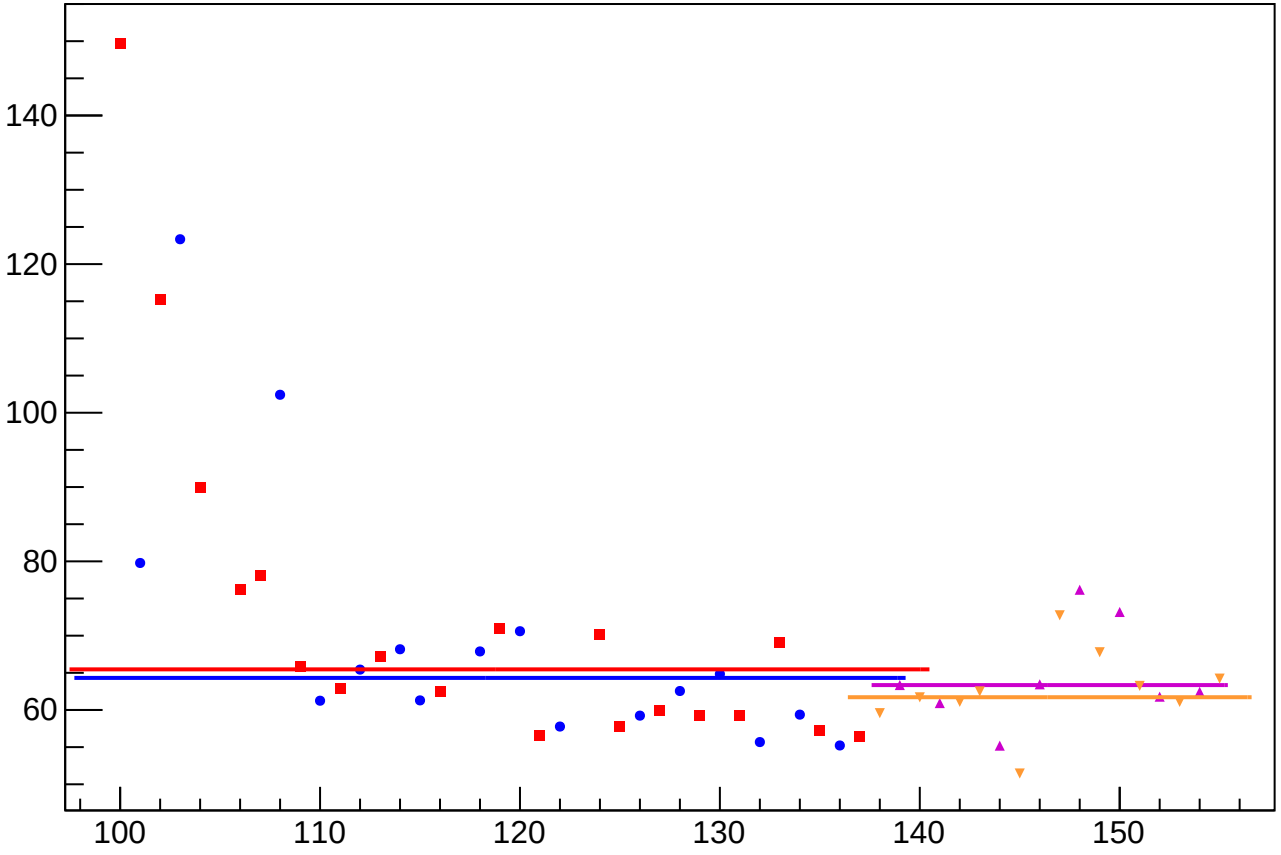
Left In: 133.027+/-24.168 χ^2/NDF:5.1/7

+ sign 4.093+/-16.432 χ^2/NDF: 36.4/25

All: 35.923+/-11.891 χ^2/NDF: 83.1/52

- sign 70.910+/-17.228 χ^2/NDF: 38.8/26

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.717+/-0.016 χ^2/NDF:120983.1/9

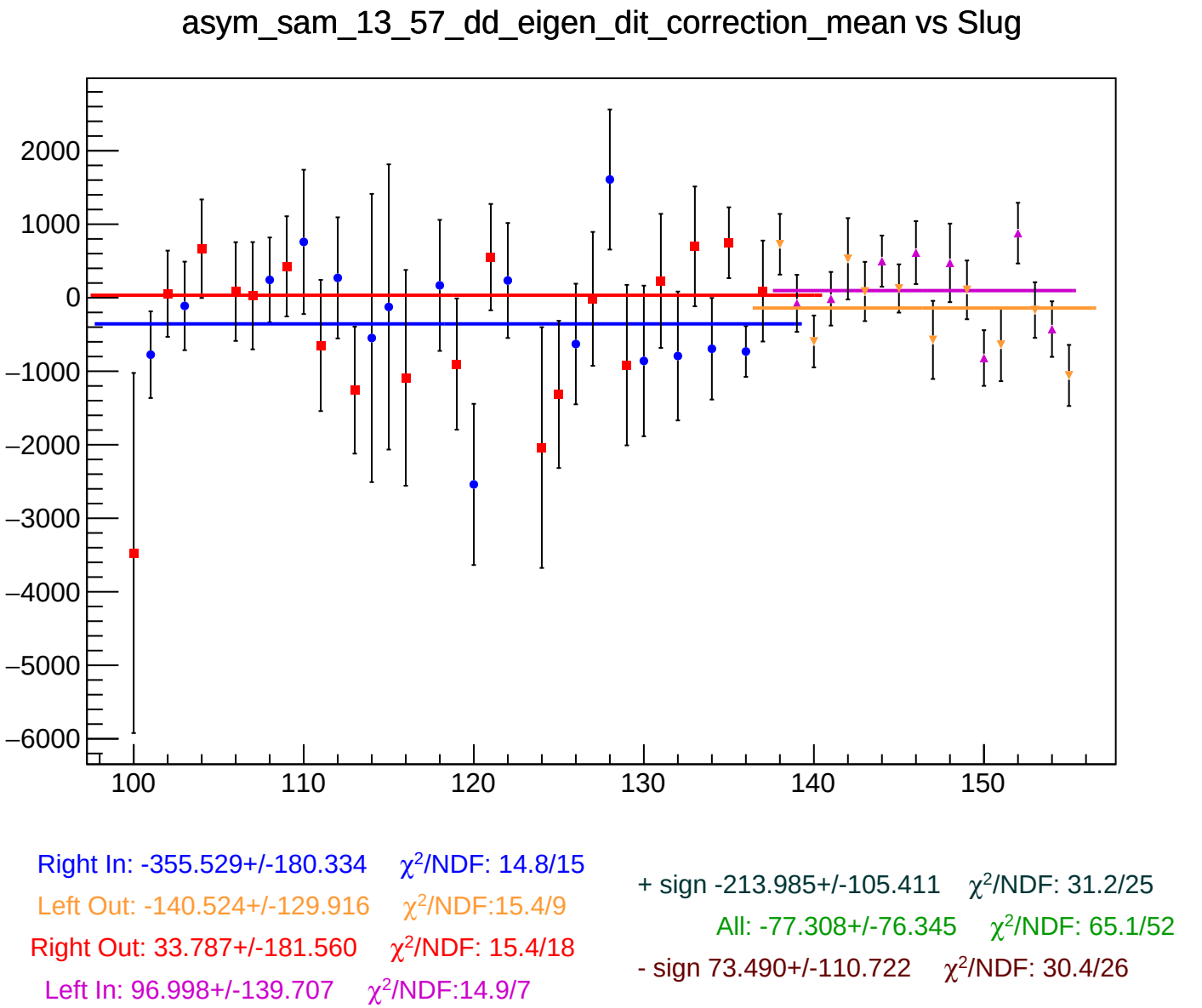
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.351+/-0.017 χ^2/NDF:122911.7/7

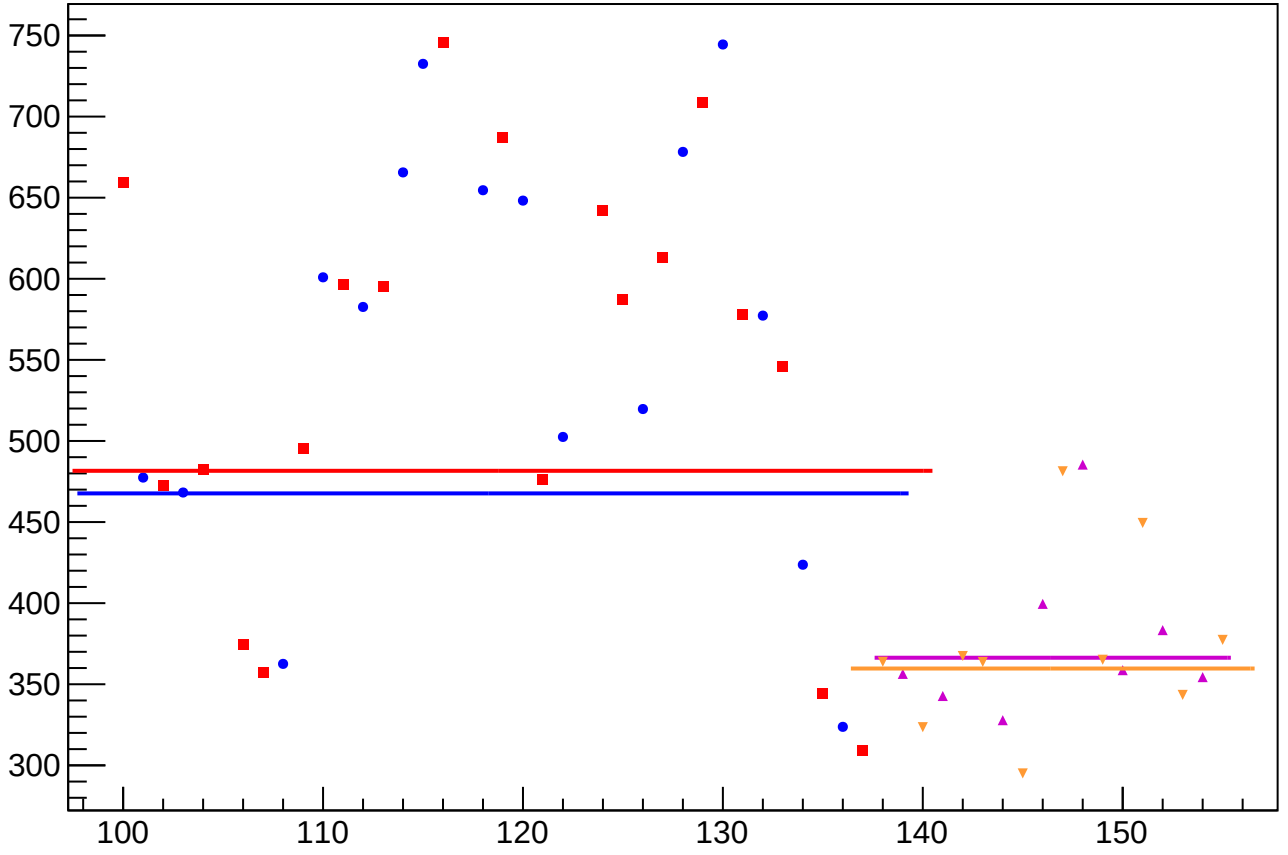
+ sign 62.889+/-0.012 χ^2/NDF: 665448.1/25

All: 63.604+/-0.008 χ^2/NDF: 1286225.8/52

- sign 64.391+/-0.012 χ^2/NDF: 612815.9/26


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
Right In: -355.529+/-180.334 χ²/NDF: 14.8/15
Left Out: -140.524+/-129.916 χ²/NDF:15.4/9
Right Out: 33.787+/-181.560 χ²/NDF: 15.4/18
Left In: 96.998+/-139.707 χ²/NDF:14.9/7
+ sign -213.985+/-105.411 χ²/NDF: 31.2/25
All: -77.308+/-76.345 χ²/NDF: 65.1/52
- sign 73.490+/-110.722 χ²/NDF: 30.4/26

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 359.699+/-0.092 χ^2/NDF:277092.2/9

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

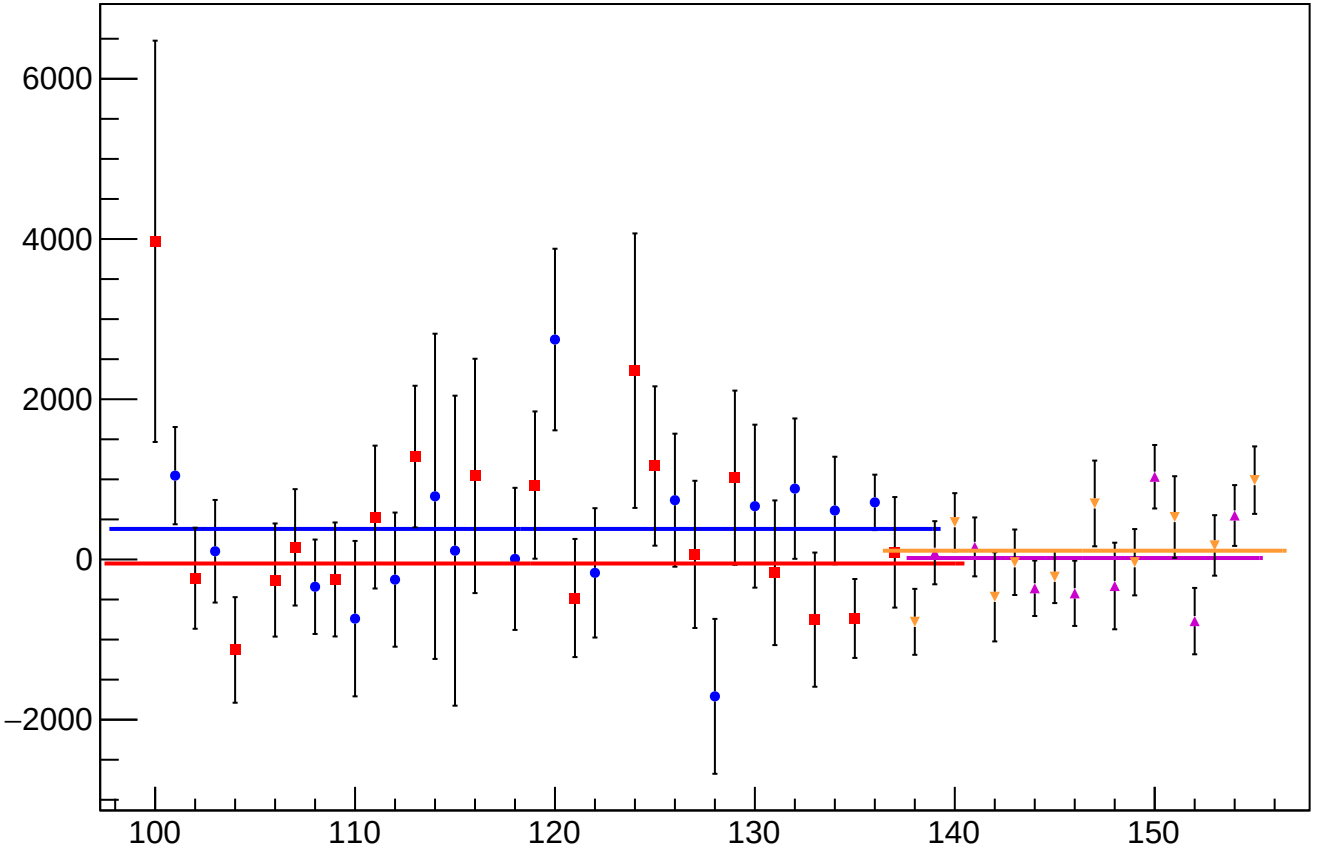
Left In: 366.349+/-0.099 χ^2/NDF:151880.3/7

\+ sign 396.591+/-0.075 χ^2/NDF: 1735054.9/25

All: 402.591+/-0.054 χ^2/NDF: 3261012.4/52

\- sign 409.210+/-0.078 χ^2/NDF: 1512330.3/26

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 109.399+/-131.508 χ^2/NDF:14.2/9

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

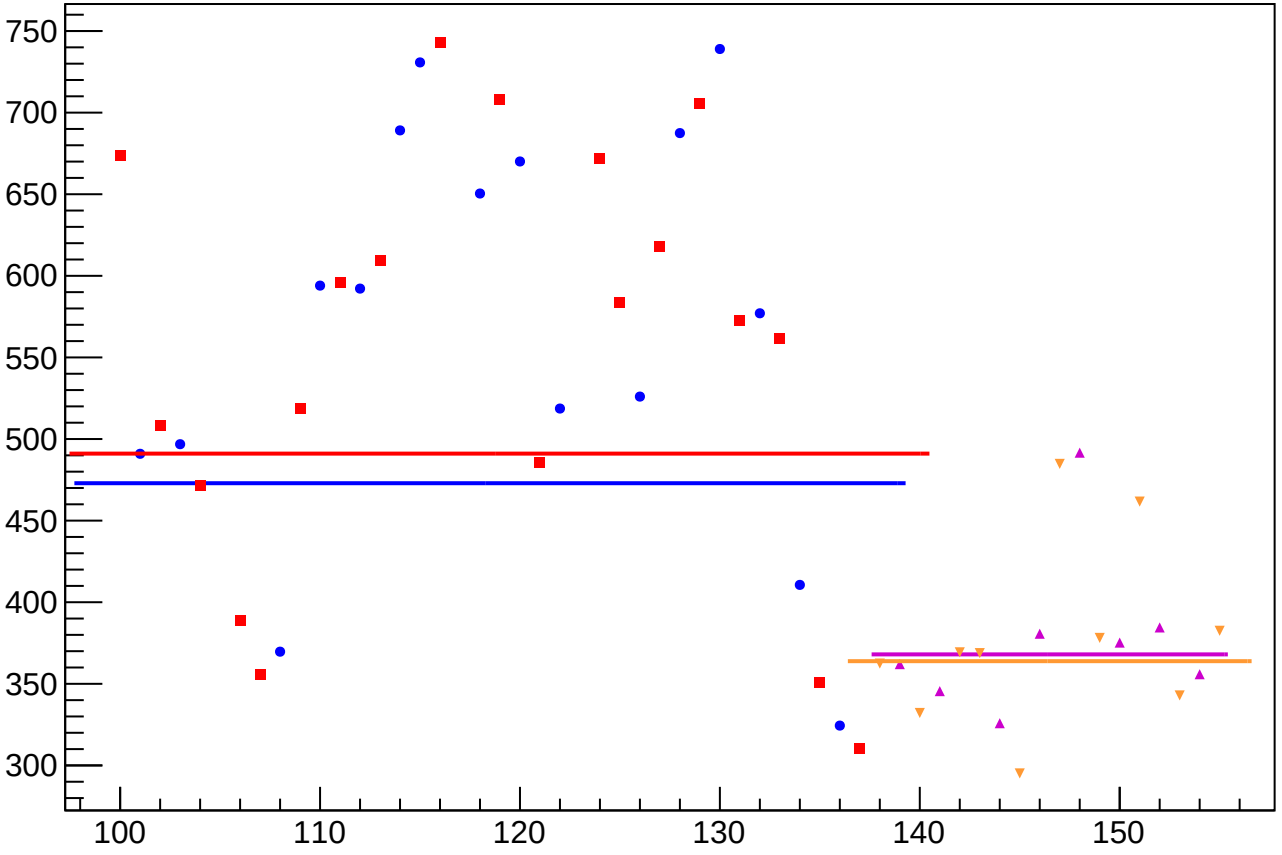
Left In: 18.001+/-140.335 χ^2/NDF:15.1/7

+ sign 202.152+/-106.724 χ^2/NDF: 31.8/25

All: 102.522+/-77.219 χ^2/NDF: 66.3/52

- sign -6.935+/-111.864 χ^2/NDF: 32.6/26

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 363.877+/-0.093 χ^2/NDF:291597.3/9

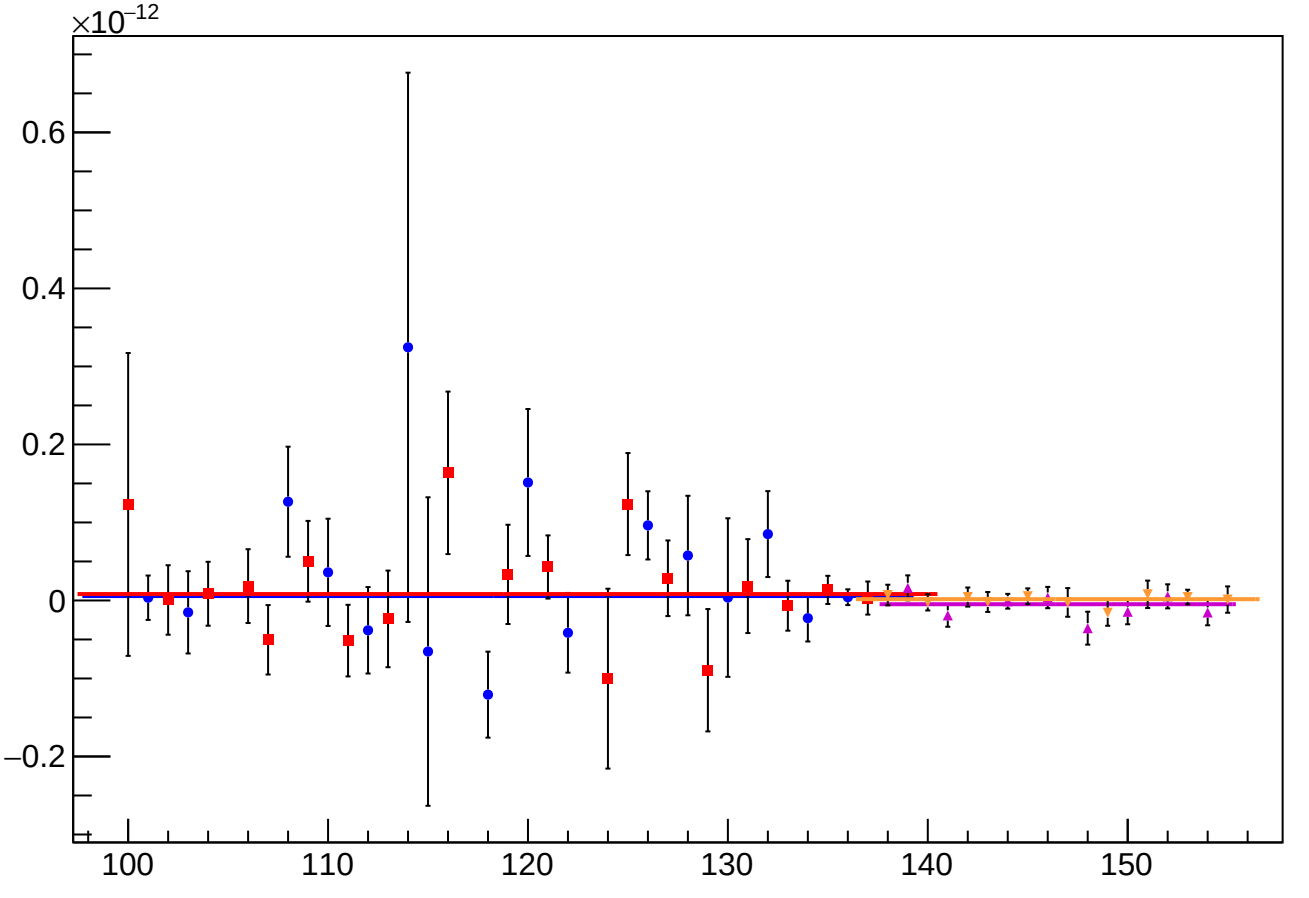
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 368.043+/-0.099 χ^2/NDF:150076.6/7

\+ sign 401.106+/-0.075 χ^2/NDF: 1761353.2/25

All: 406.723+/-0.055 χ^2/NDF: 3330907.4/52

\- sign 412.895+/-0.079 χ^2/NDF: 1557924.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/9

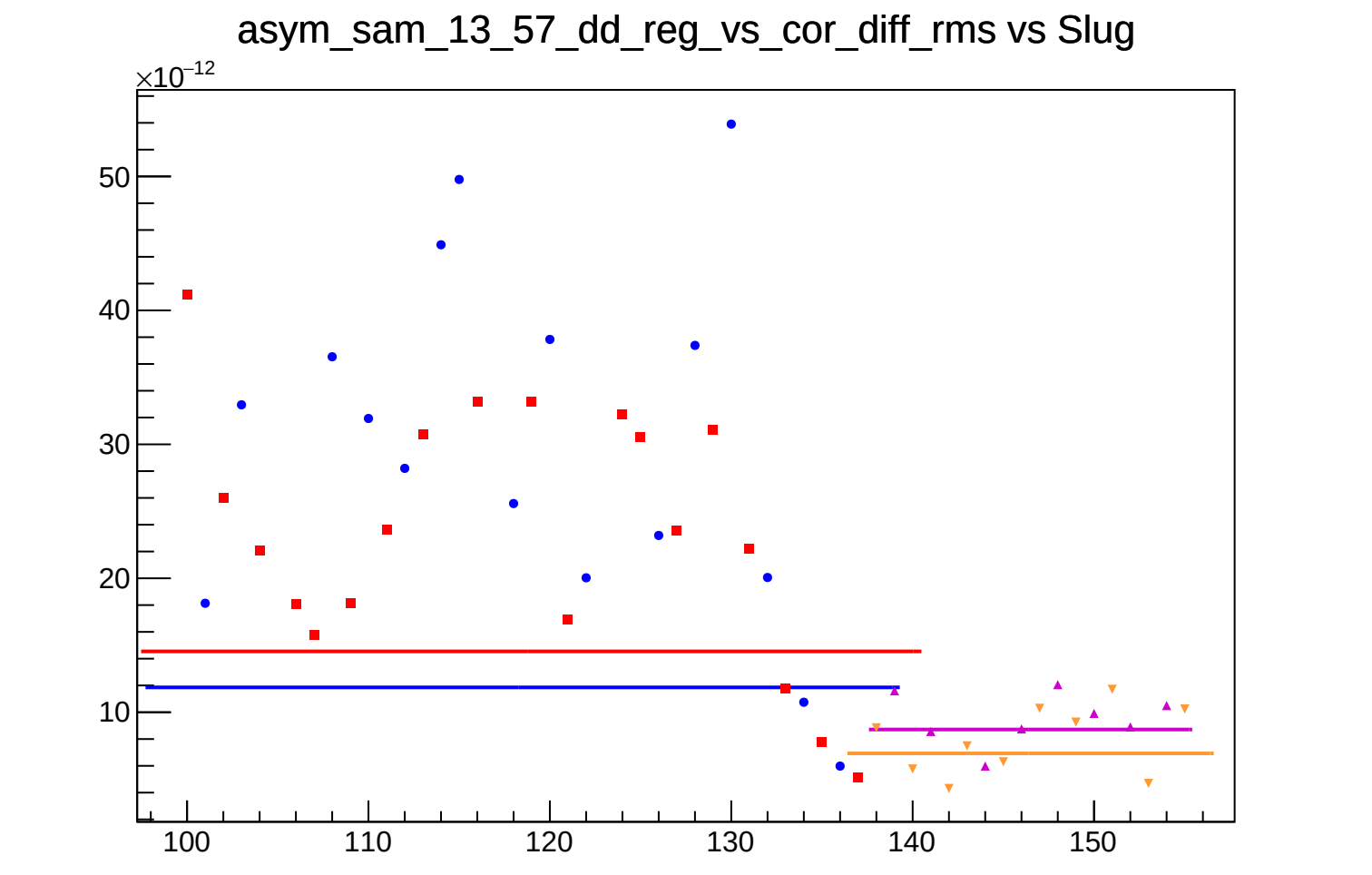
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/7

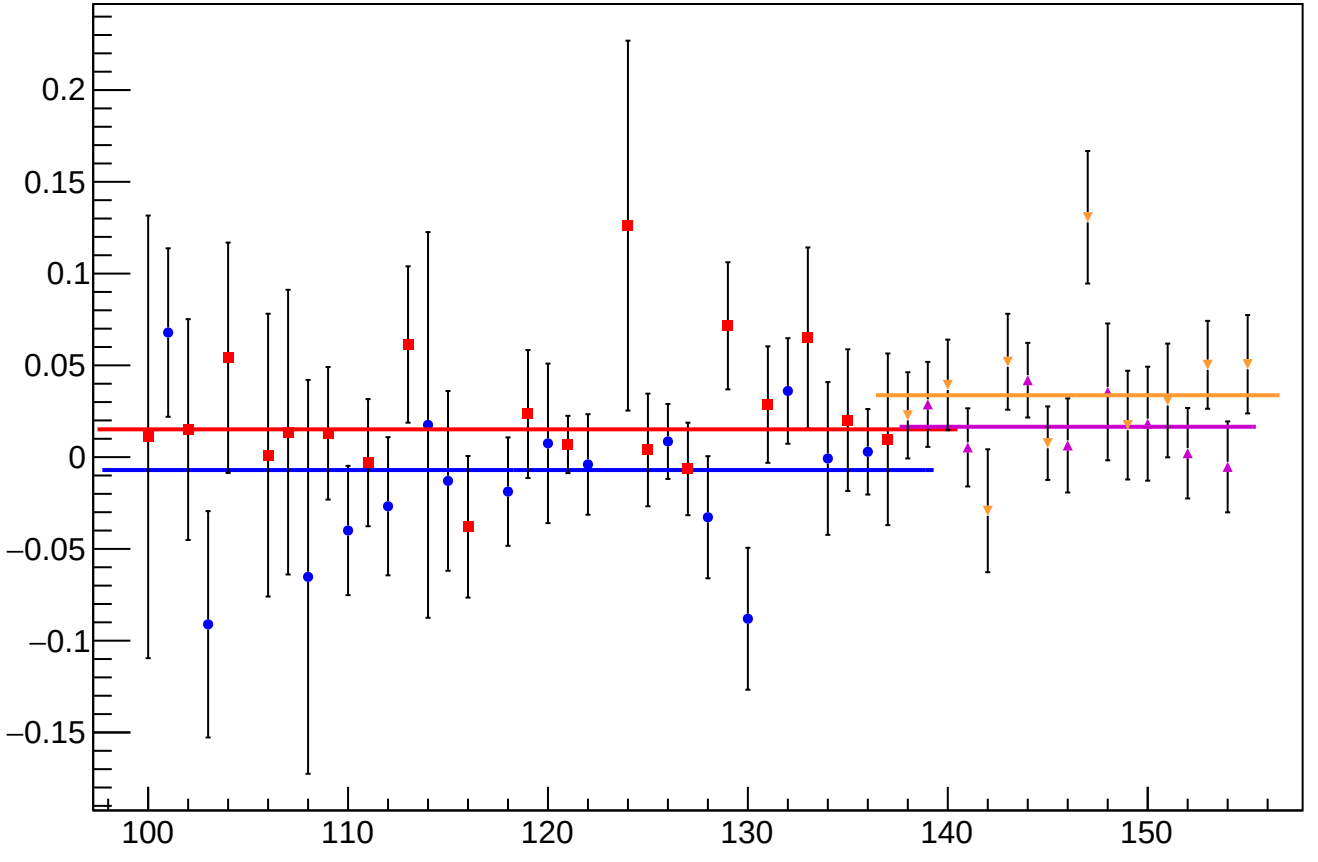
+ sign 0.000+/-0.000 χ^2/NDF: 23.3/25

All: 0.000+/-0.000 χ^2/NDF: 45.9/52

- sign -0.000+/-0.000 χ^2/NDF: 22.1/26


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:615396.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:317312.6/7
+ sign 0.000+/-0.000 χ²/NDF: 4057995.2/25
All: 0.000+/-0.000 χ²/NDF: 7035788.2/52
- sign 0.000+/-0.000 χ²/NDF: 2695329.5/26

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.034+/-0.008 χ^2/NDF:14.4/9

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

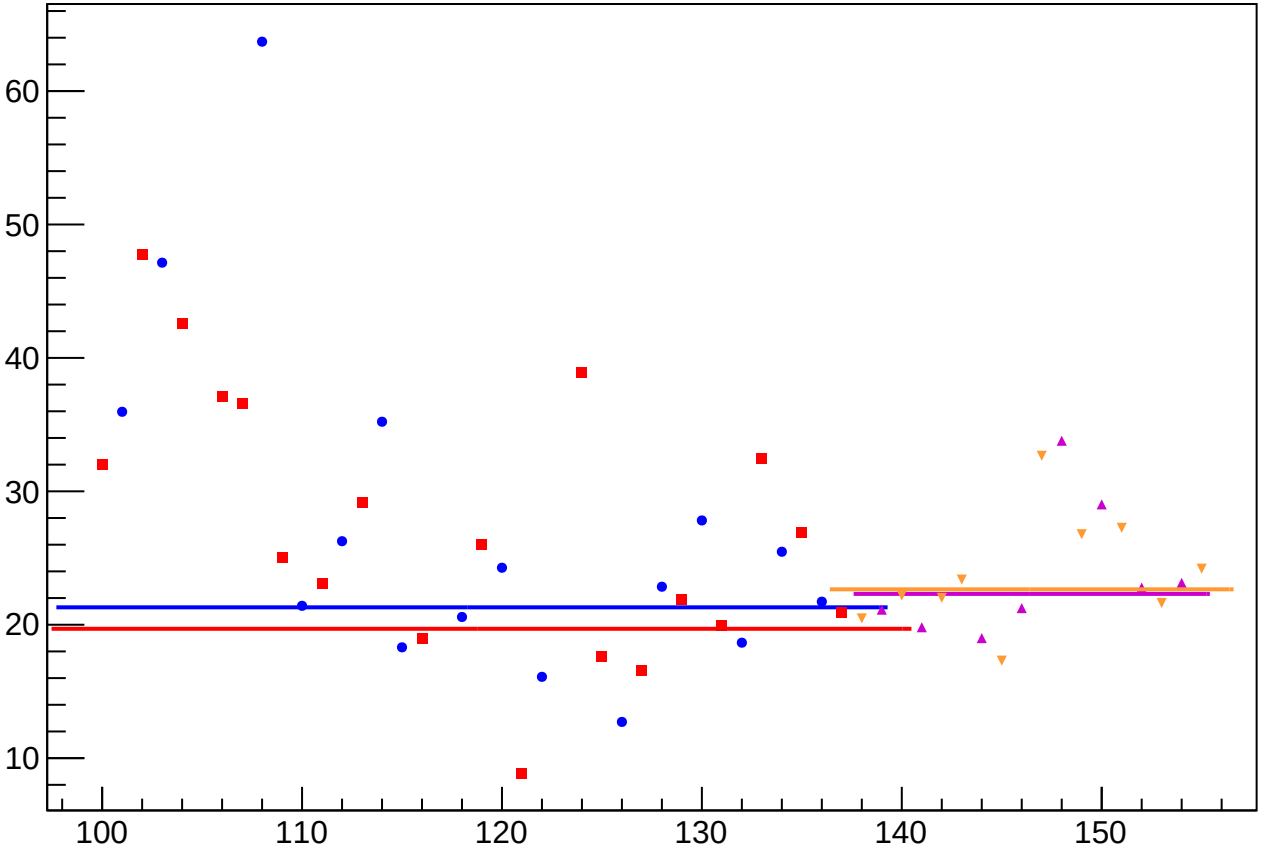
Left In: 0.017+/-0.009 χ^2/NDF:3.7/7

+ sign 0.014+/-0.006 χ^2/NDF: 40.3/25

All: 0.015+/-0.004 χ^2/NDF: 54.1/52

- sign 0.016+/-0.006 χ^2/NDF: 13.7/26

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.654+/-0.006 χ^2/NDF:410001.1/9

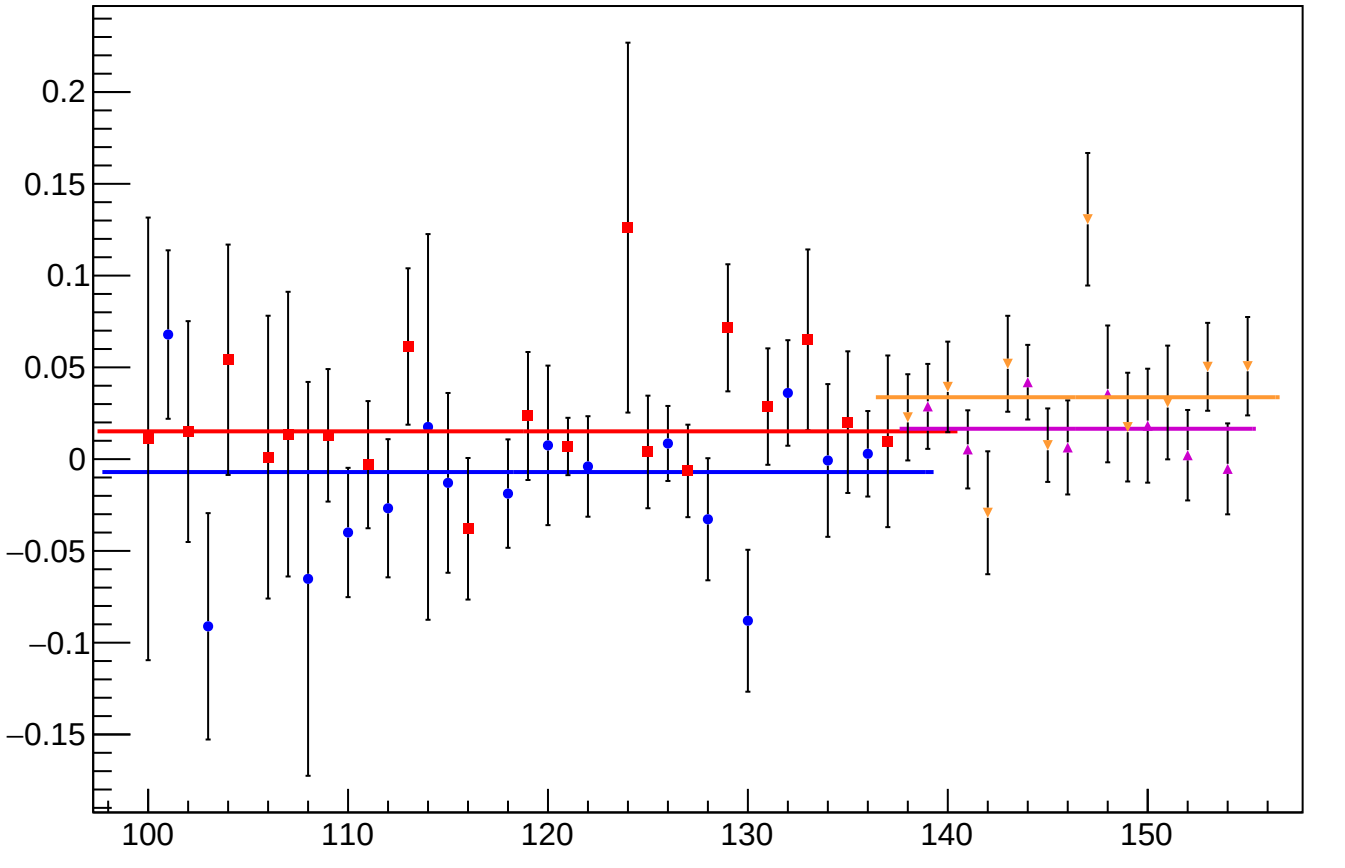
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.312+/-0.006 χ^2/NDF:375473.6/7

+ sign 22.002+/-0.004 χ^2/NDF: 1914689.9/25

All: 21.463+/-0.003 χ^2/NDF: 4856357.3/52

- sign 20.923+/-0.004 χ^2/NDF: 2909215.4/26



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.034+/-0.008 χ^2/NDF:14.4/9

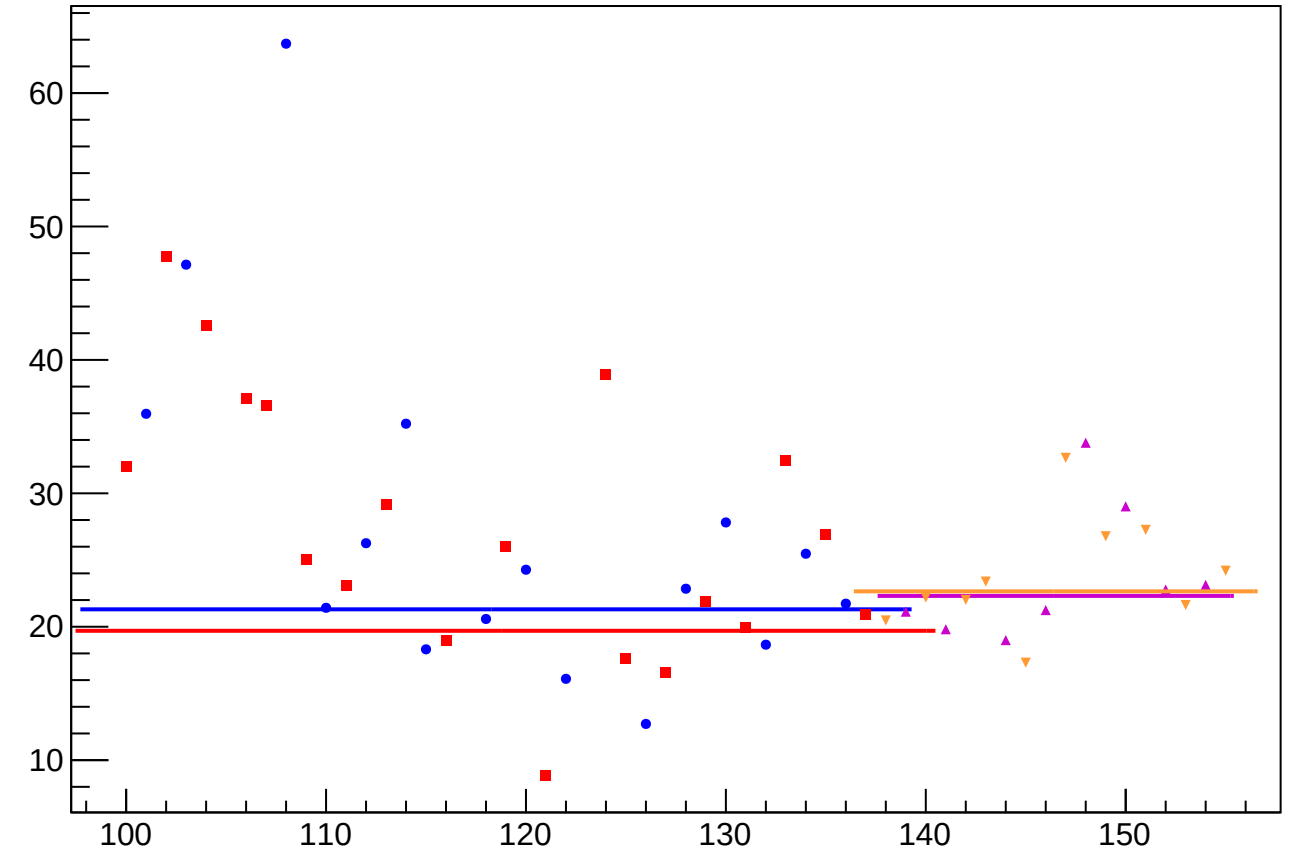
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.017+/-0.009 χ^2/NDF:3.7/7

+ sign 0.014+/-0.006 χ^2/NDF: 40.3/25

All: 0.015+/-0.004 χ^2/NDF: 54.1/52

- sign 0.016+/-0.006 χ^2/NDF: 13.7/26



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.654+/-0.006 χ^2/NDF:410001.1/9

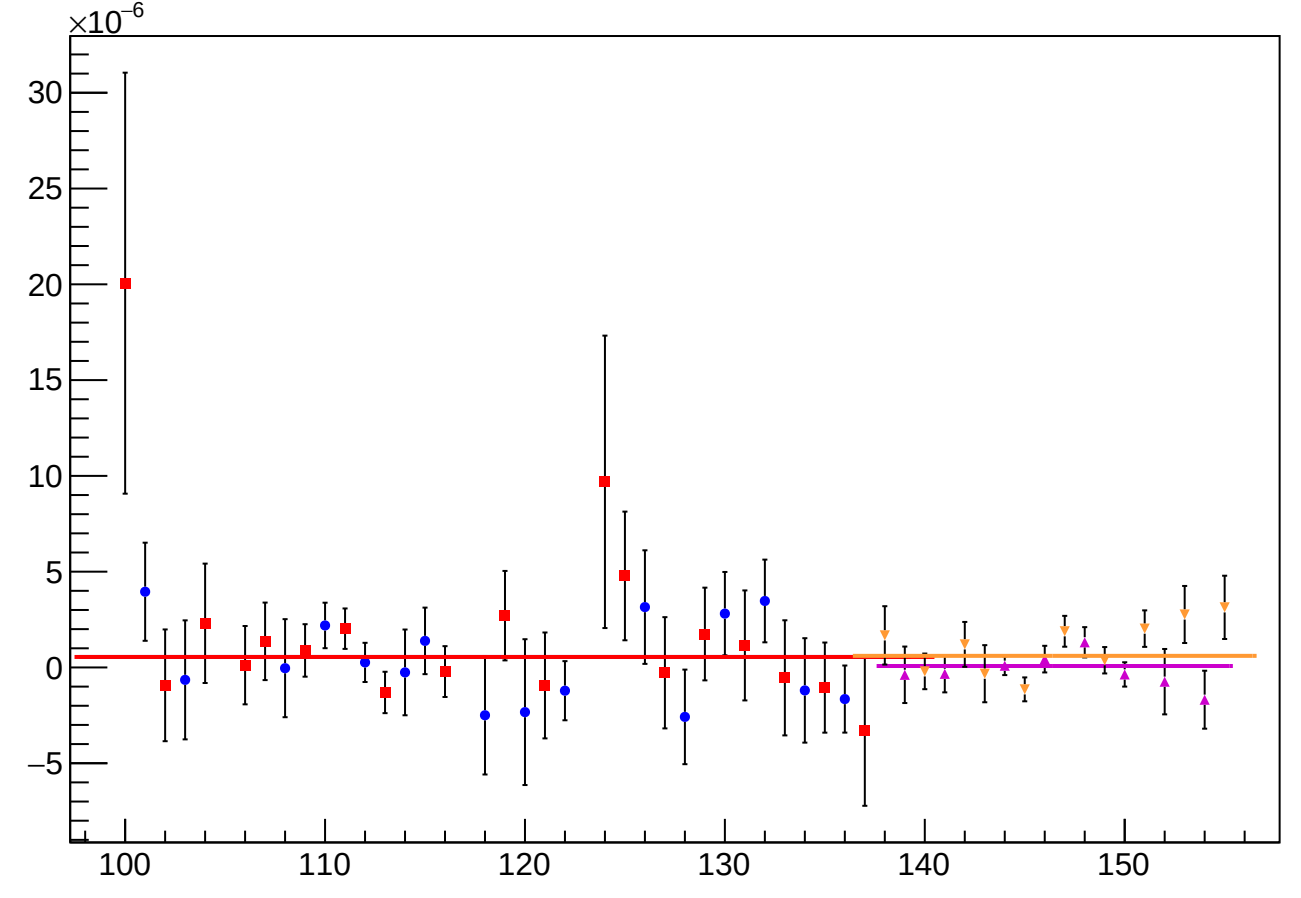
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.312+/-0.006 χ^2/NDF:375473.6/7

+ sign 22.002+/-0.004 χ^2/NDF: 1914689.9/25

All: 21.463+/-0.003 χ^2/NDF: 4856357.3/52

- sign 20.923+/-0.004 χ^2/NDF: 2909215.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/9

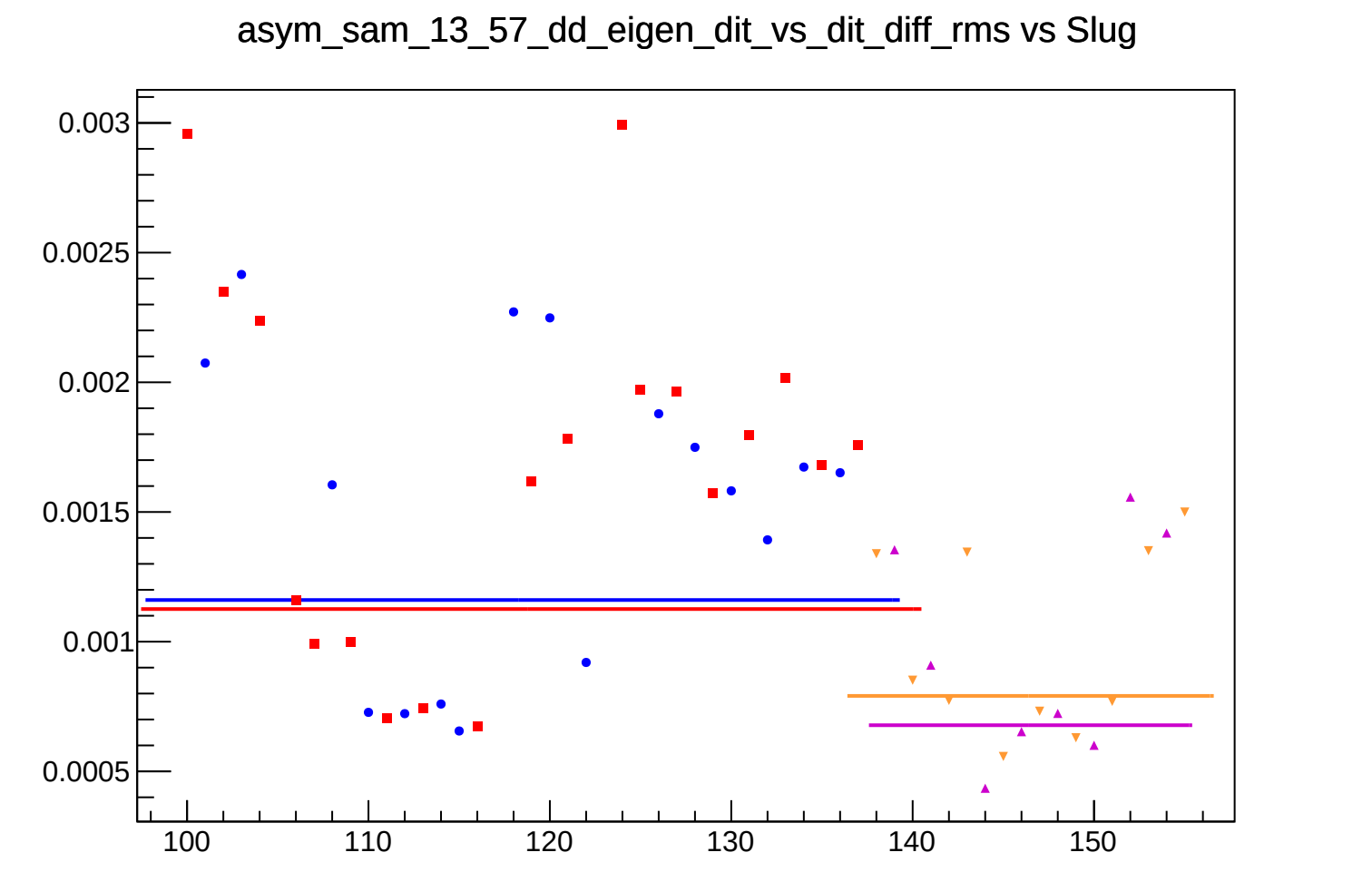
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/25

All: 0.000+/-0.000 χ^2/NDF: 55.9/52

- sign 0.000+/-0.000 χ^2/NDF: 21.2/26



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1597577.9/9

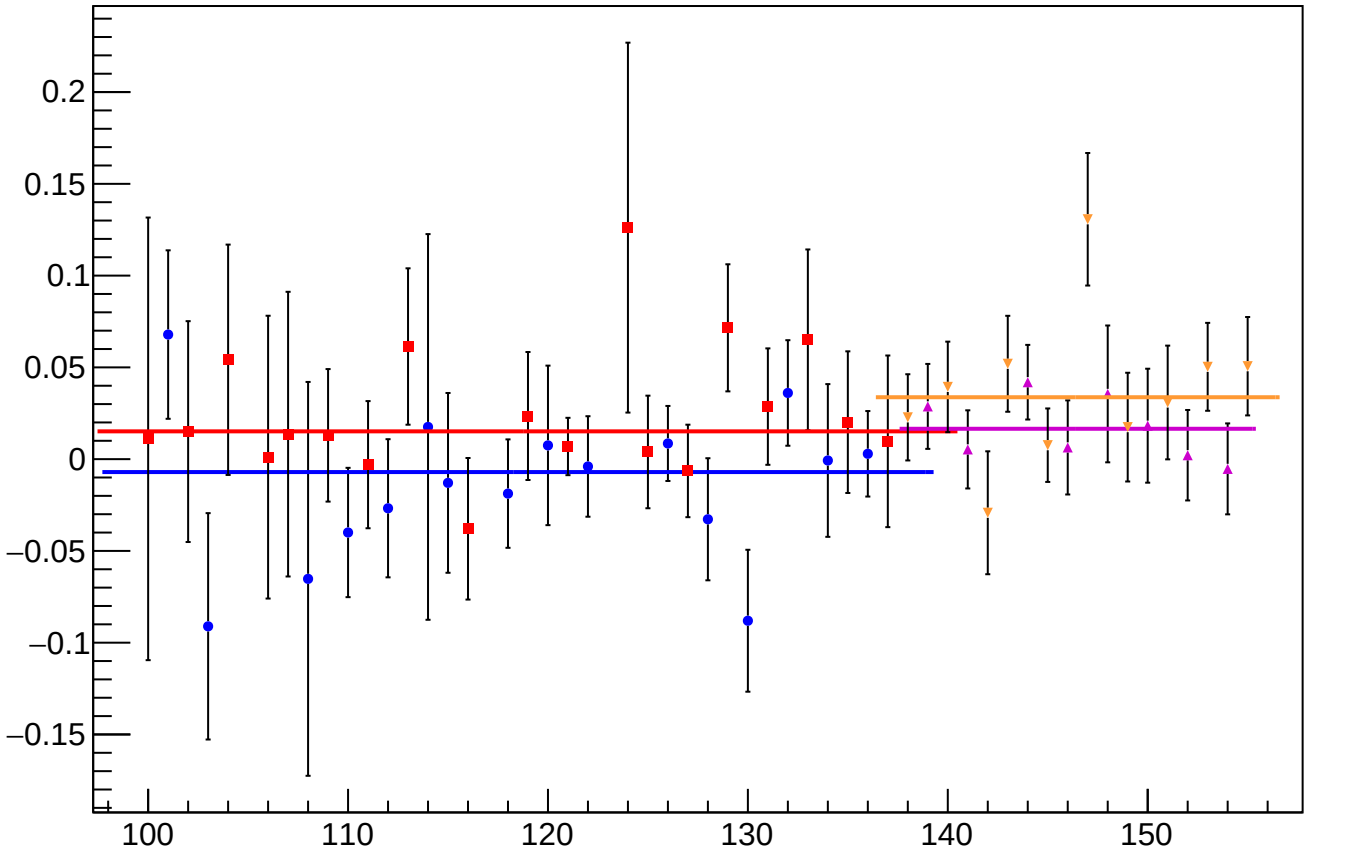
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:2078142.5/7

+ sign 0.001+/-0.000 χ^2/NDF: 4984151.2/25

All: 0.001+/-0.000 χ^2/NDF: 11222849.3/52

- sign 0.001+/-0.000 χ^2/NDF: 6088434.9/26



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.034+/-0.008 χ^2/NDF:14.4/9

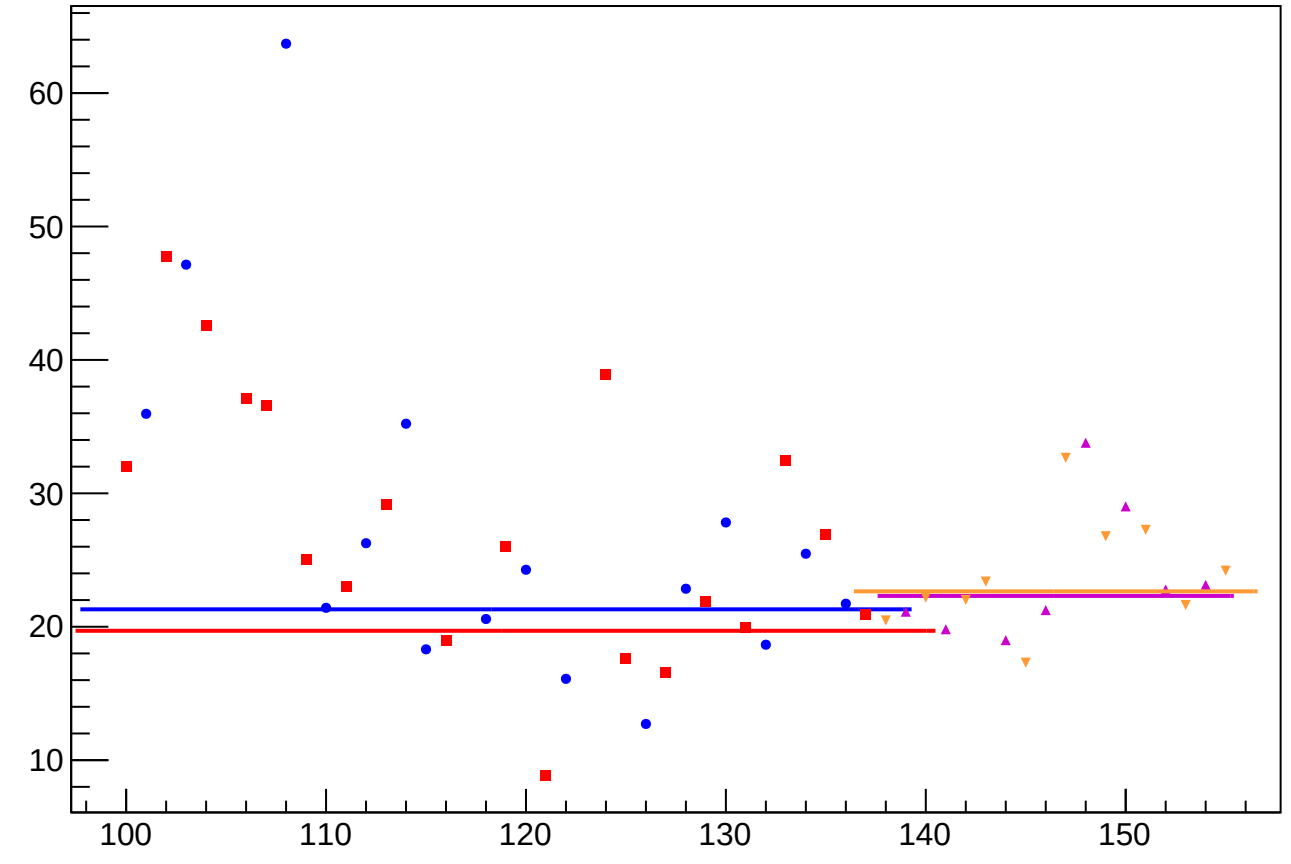
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.017+/-0.009 χ^2/NDF:3.7/7

+ sign 0.014+/-0.006 χ^2/NDF: 40.3/25

All: 0.015+/-0.004 χ^2/NDF: 54.1/52

- sign 0.016+/-0.006 χ^2/NDF: 13.7/26



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.654+/-0.006 χ^2/NDF:410034.8/9

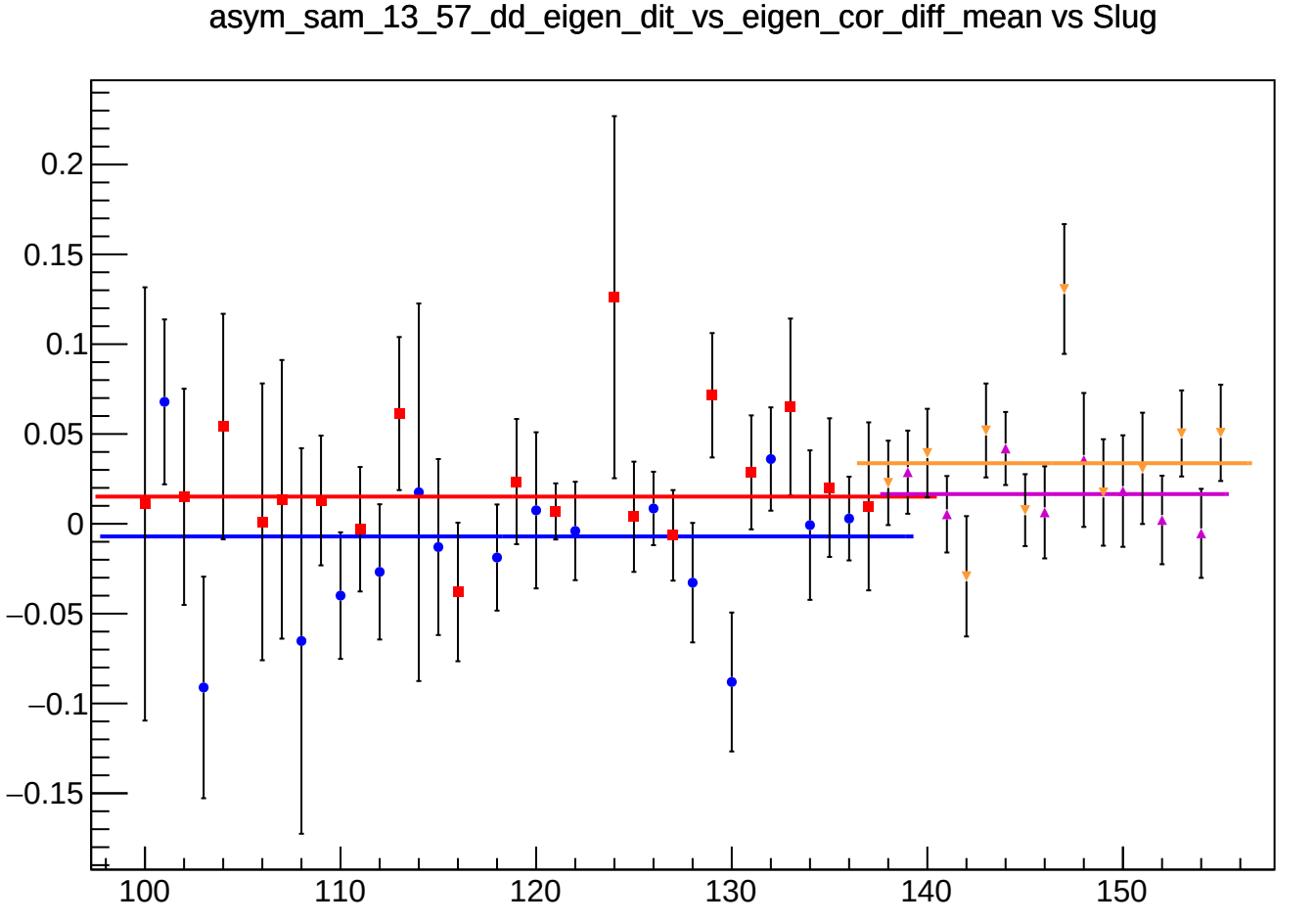
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.312+/-0.006 χ^2/NDF:375487.8/7

+ sign 22.003+/-0.004 χ^2/NDF: 1914555.7/25

All: 21.463+/-0.003 χ^2/NDF: 4855830.7/52

- sign 20.923+/-0.004 χ^2/NDF: 2908837.3/26



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.034+/-0.008 χ^2/NDF:14.4/9

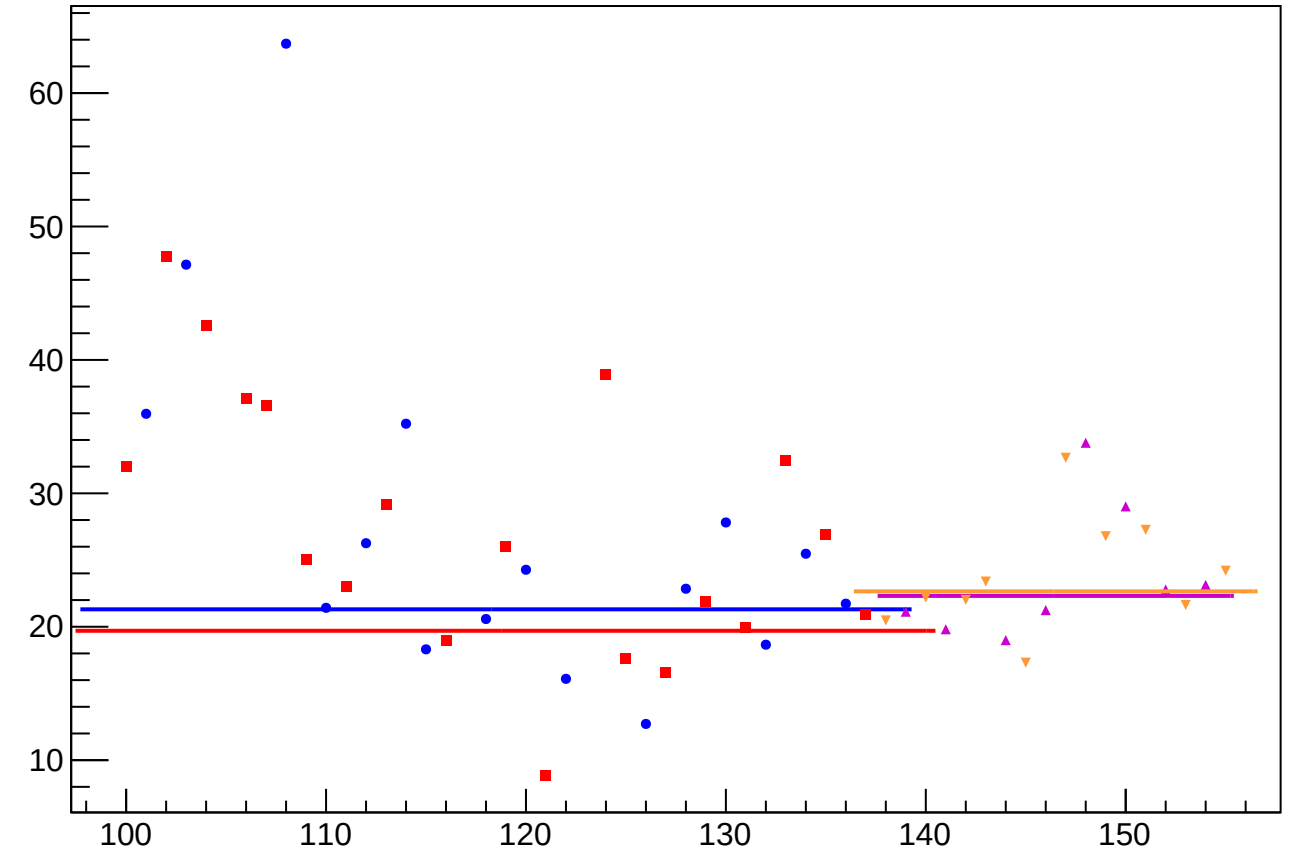
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.017+/-0.009 χ^2/NDF:3.7/7

+ sign 0.014+/-0.006 χ^2/NDF: 40.3/25

All: 0.015+/-0.004 χ^2/NDF: 54.1/52

- sign 0.016+/-0.006 χ^2/NDF: 13.7/26



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.654+/-0.006 χ^2/NDF:410034.8/9

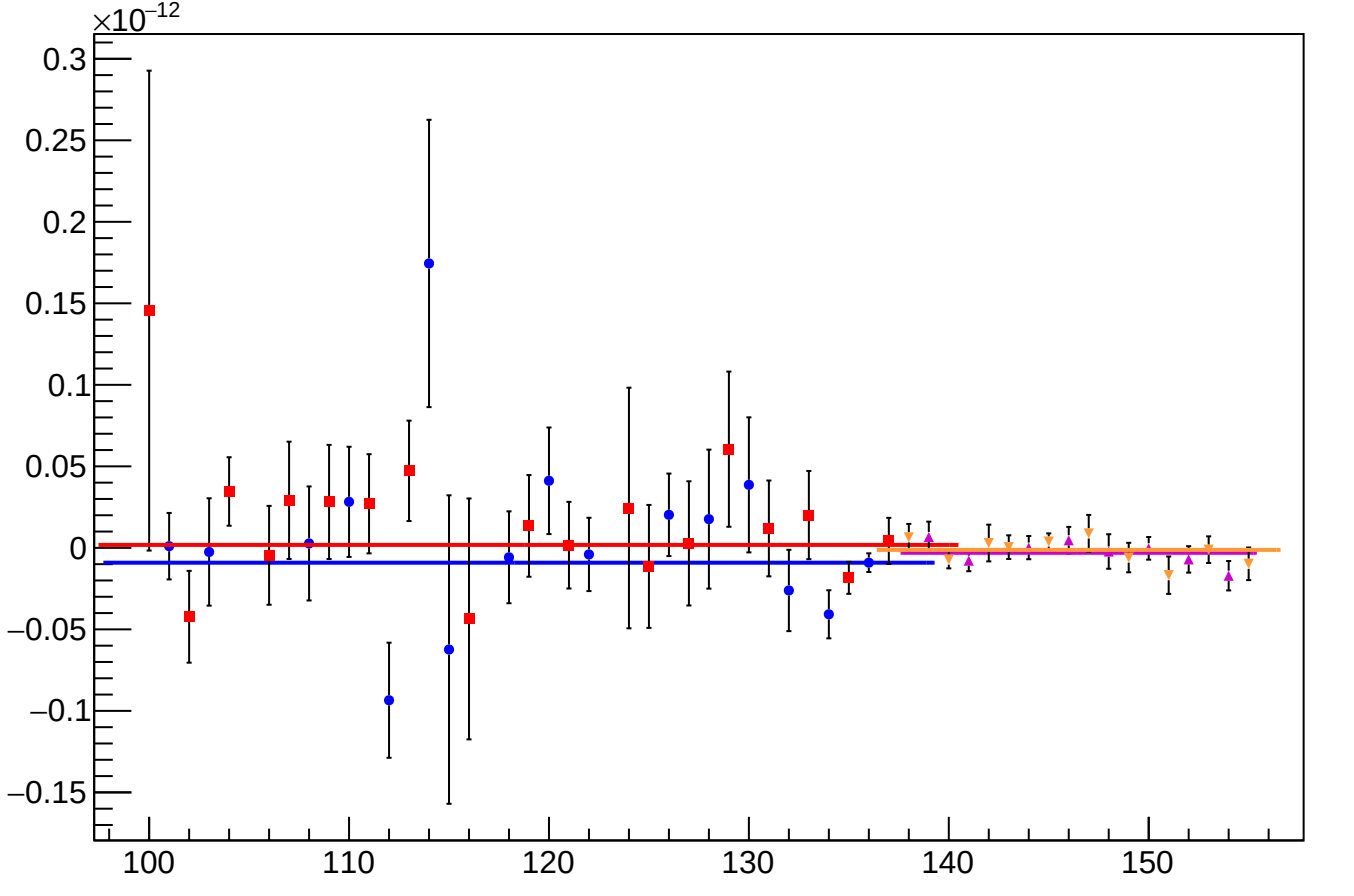
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.312+/-0.006 χ^2/NDF:375487.8/7

+ sign 22.003+/-0.004 χ^2/NDF: 1914555.7/25

All: 21.463+/-0.003 χ^2/NDF: 4855830.7/52

- sign 20.923+/-0.004 χ^2/NDF: 2908837.3/26



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/9

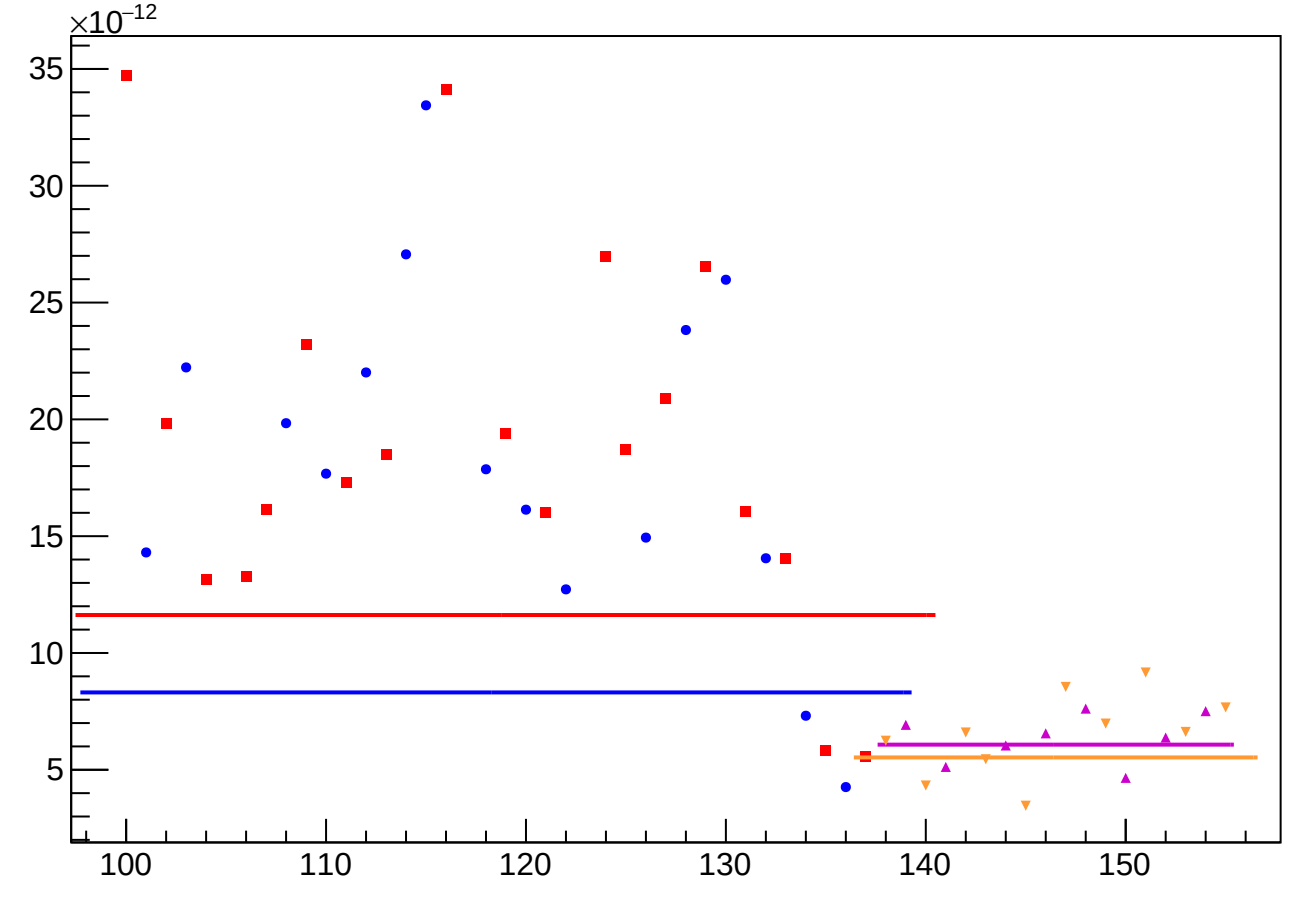
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/25

All: -0.000+/-0.000 χ^2/NDF: 55.1/52

- sign -0.000+/-0.000 χ^2/NDF: 23.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:994452.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

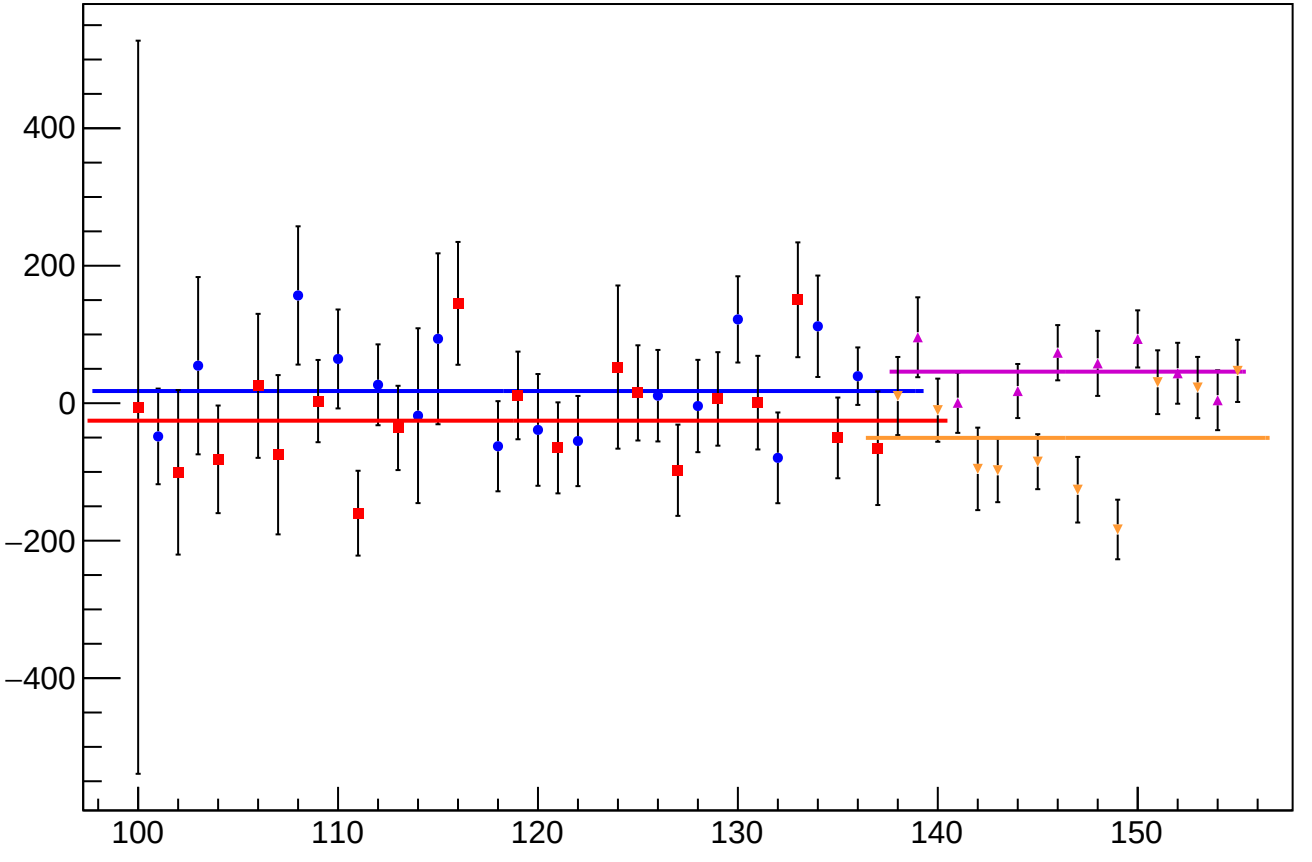
Left In: 0.000+/-0.000 χ^2/NDF:245965.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 5318704.7/25

All: 0.000+/-0.000 χ^2/NDF: 9891966.8/52

- sign 0.000+/-0.000 χ^2/NDF: 4388635.3/26

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -50.460+/-14.778 χ^2/NDF:26.6/9

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

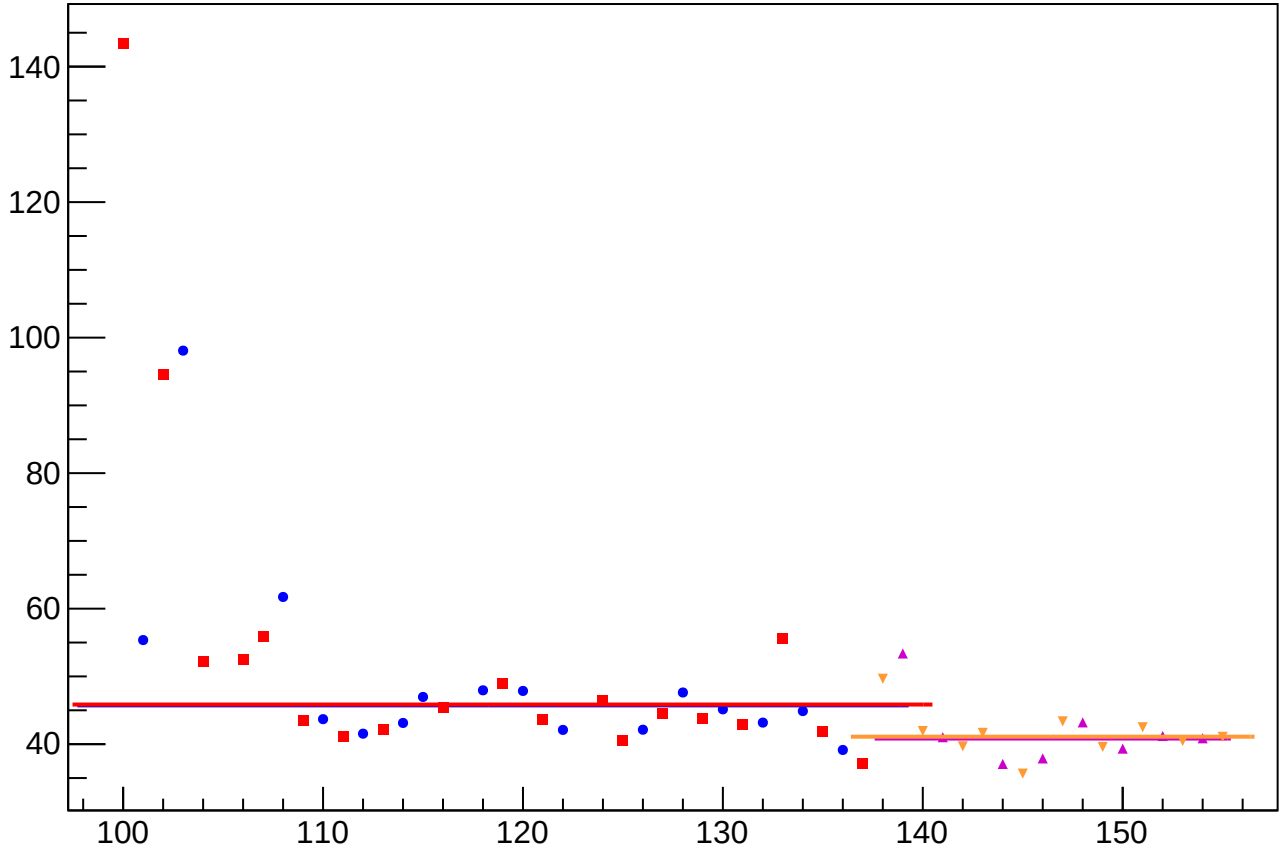
Left In: 45.881+/-15.535 χ^2/NDF:5.1/7

+ sign -22.029+/-11.283 χ^2/NDF: 49.4/25

All: -4.409+/-8.078 χ^2/NDF: 86.7/52

- sign 14.118+/-11.570 χ^2/NDF: 32.3/26

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.105+/-0.010 χ^2/NDF:93516.9/9

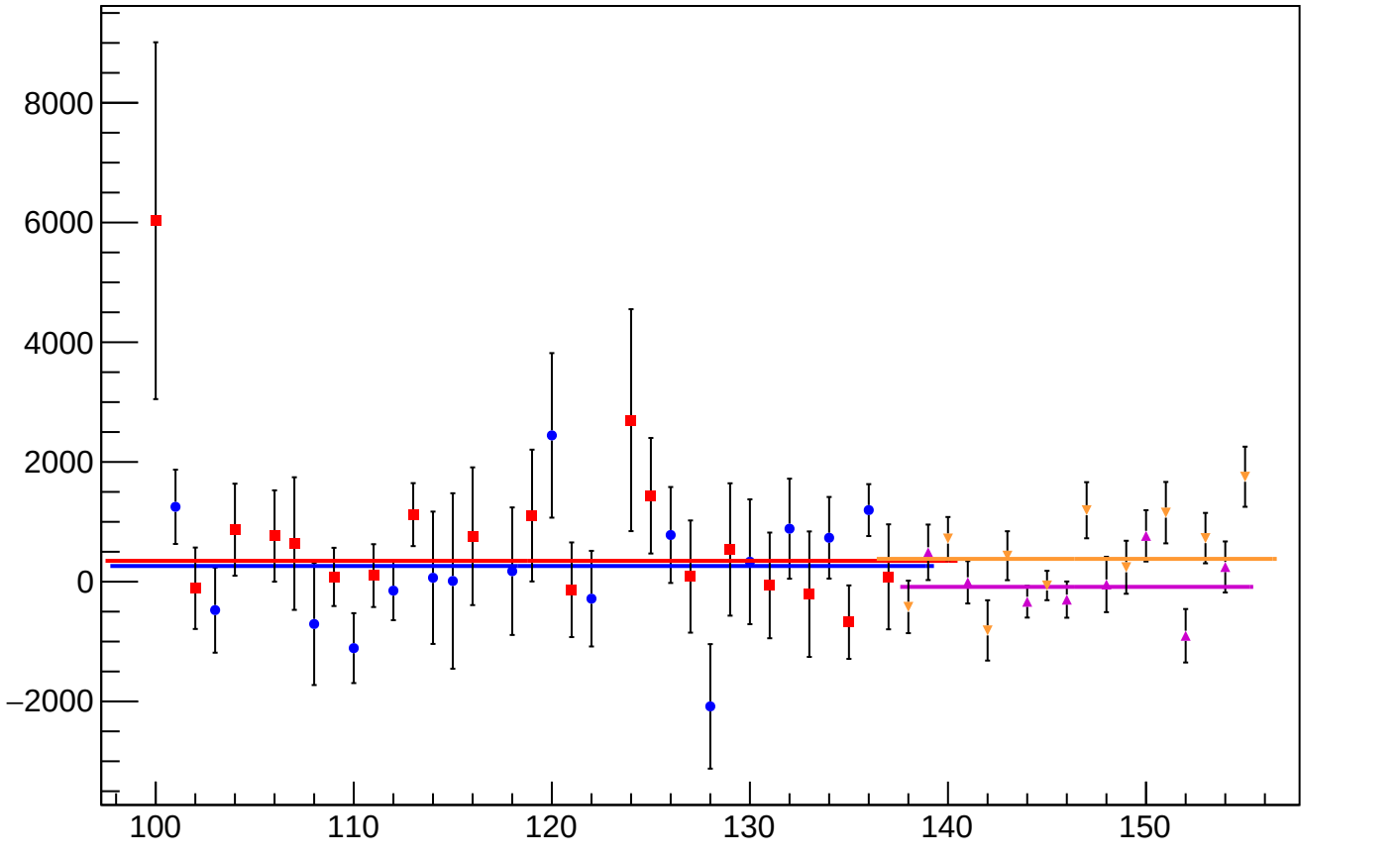
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.830+/-0.011 χ^2/NDF:129982.2/7

+ sign 43.033+/-0.008 χ^2/NDF: 676565.8/25

All: 43.049+/-0.006 χ^2/NDF: 1439703.0/52

- sign 43.065+/-0.008 χ^2/NDF: 763129.1/26



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 381.023+/-126.482 χ^2/NDF:26.7/9

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

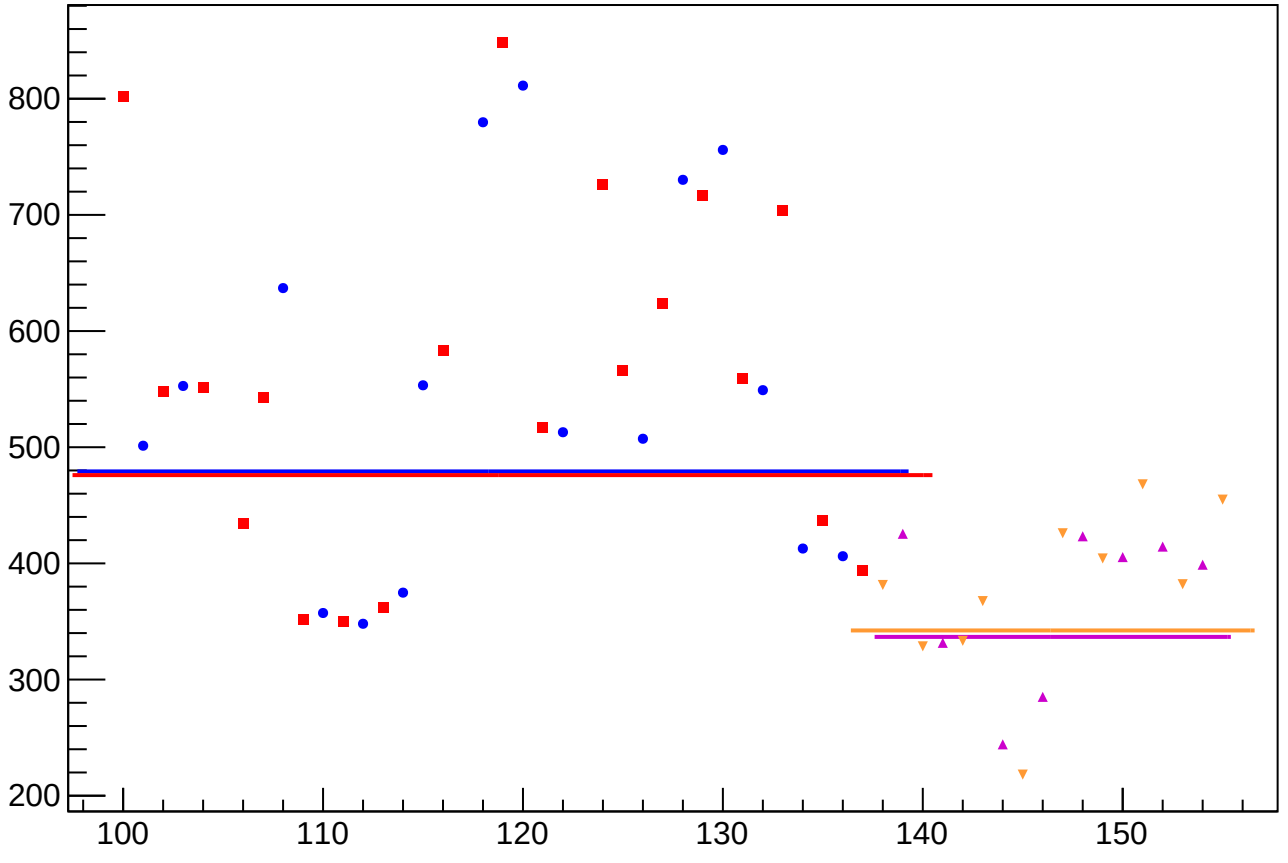
Left In: -86.497+/-130.803 χ^2/NDF:10.9/7

+ sign 343.151+/-104.450 χ^2/NDF: 51.9/25

All: 205.151+/-74.383 χ^2/NDF: 85.1/52

- sign 63.150+/-105.953 χ^2/NDF: 29.6/26

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 342.270+/-0.089 χ^2/NDF:879941.2/9

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

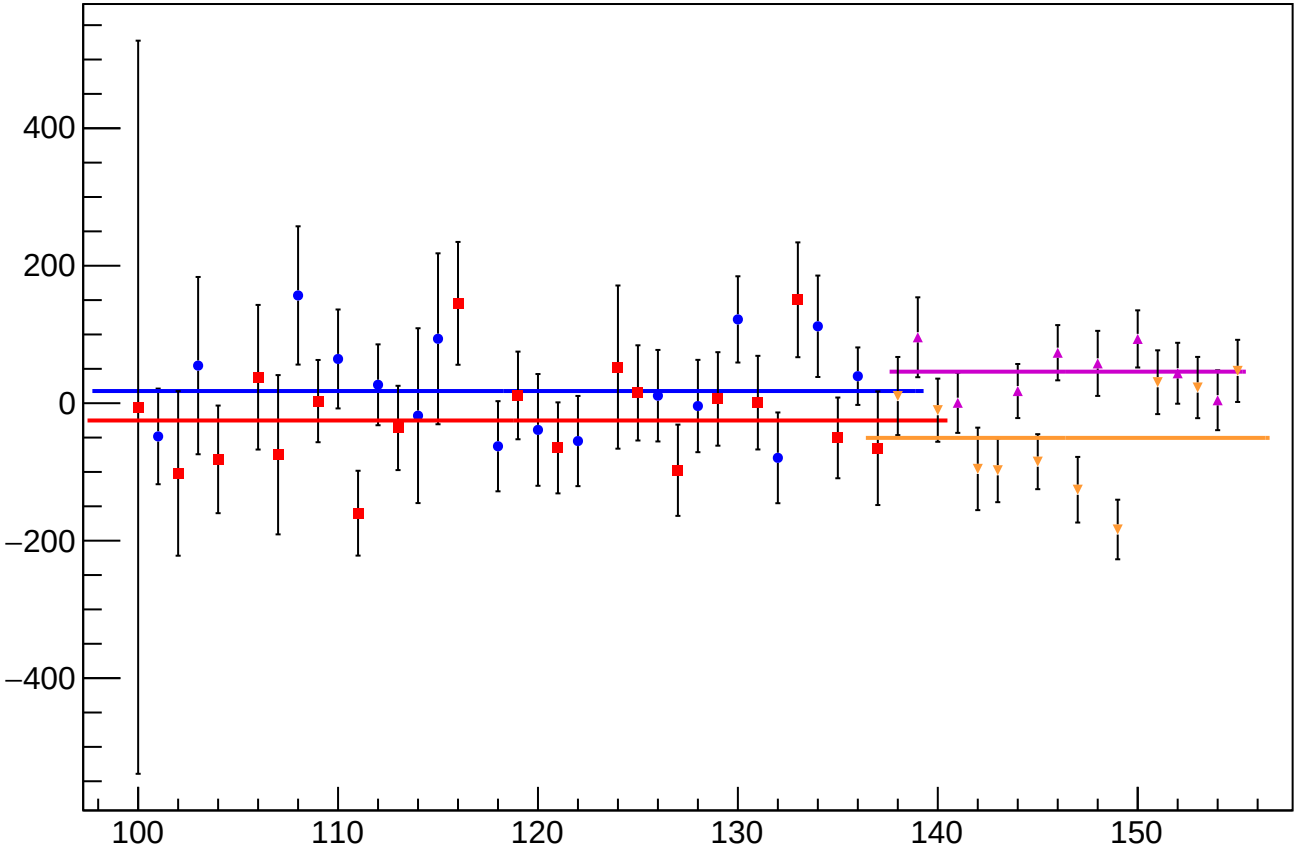
Left In: 336.718+/-0.092 χ^2/NDF:600740.4/7

+ sign 385.812+/-0.074 χ^2/NDF: 2577896.5/25

All: 385.220+/-0.053 χ^2/NDF: 4964951.1/52

- sign 384.611+/-0.075 χ^2/NDF: 2386924.1/26

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -50.460+/-14.778 χ^2/NDF:26.6/9

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

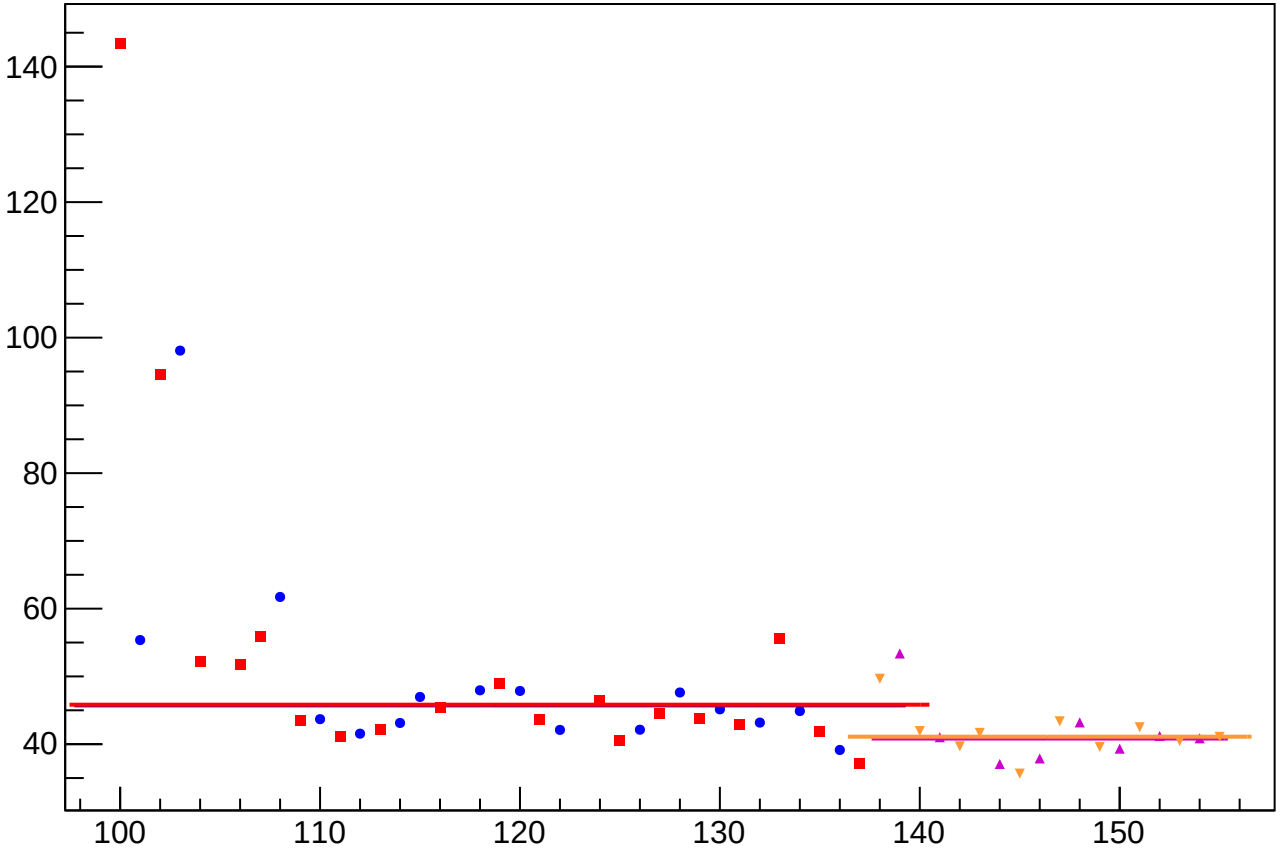
Left In: 45.882+/-15.535 χ^2/NDF:5.1/7

\+ sign -22.027+/-11.283 χ^2/NDF: 49.4/25

All: -4.343+/-8.078 χ^2/NDF: 86.8/52

\- sign 14.254+/-11.570 χ^2/NDF: 32.4/26

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.105+/-0.010 χ^2/NDF:93516.9/9

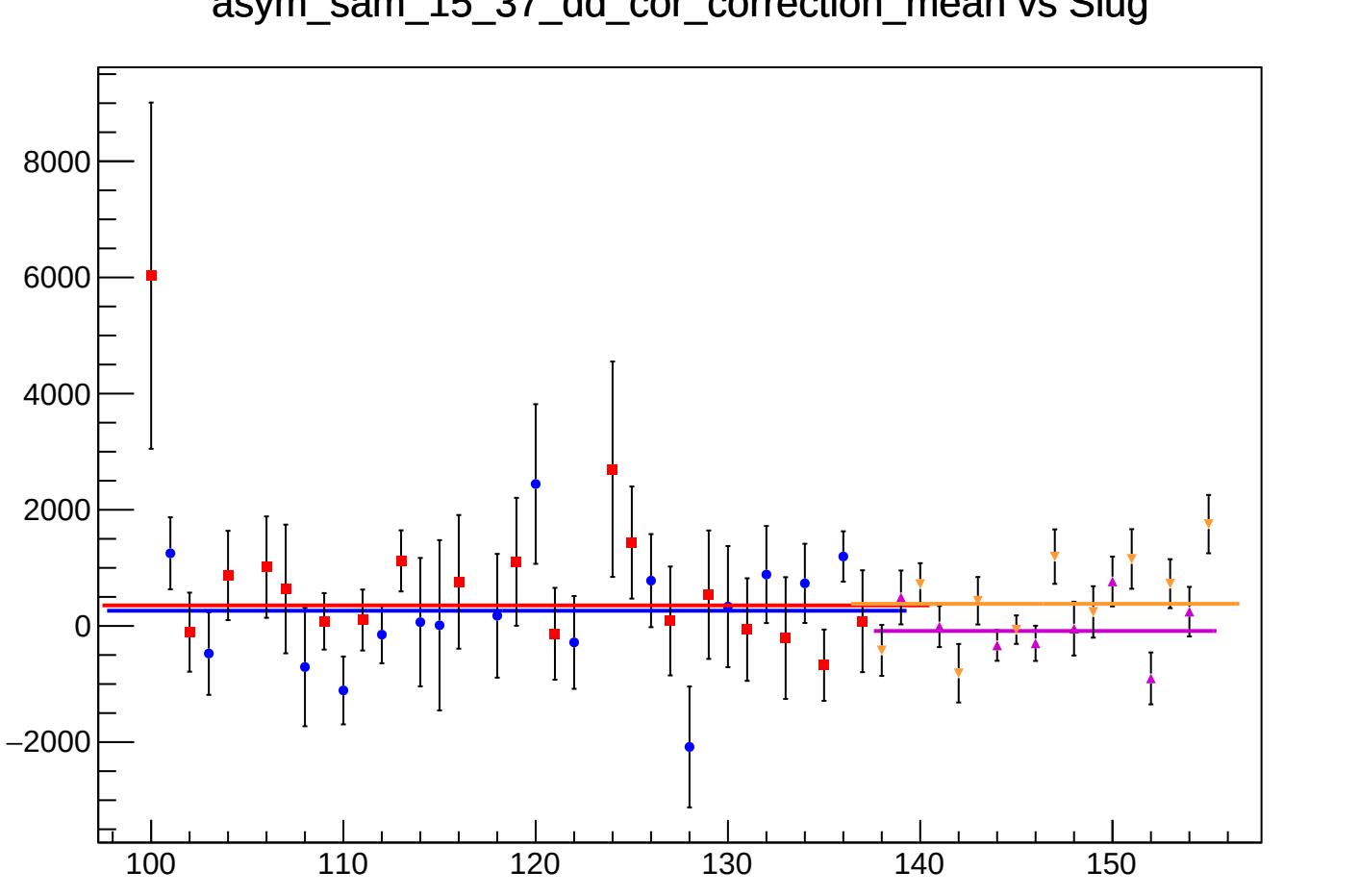
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.830+/-0.011 χ^2/NDF:129982.2/7

+ sign 43.033+/-0.008 χ^2/NDF: 676568.8/25

All: 43.043+/-0.006 χ^2/NDF: 1437119.9/52

- sign 43.054+/-0.008 χ^2/NDF: 760547.5/26



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 381.022+/-126.482 χ^2/NDF:26.7/9

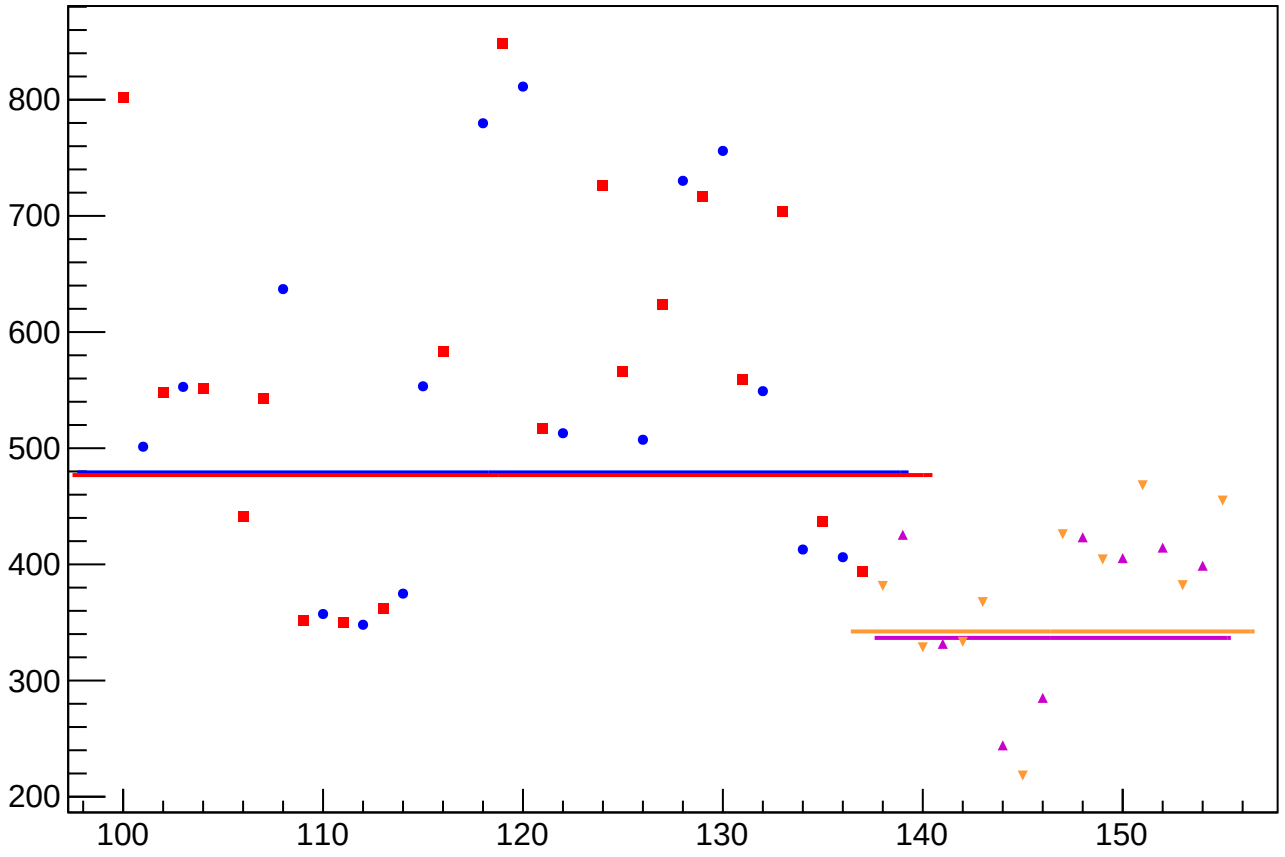
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -86.497+/-130.803 χ^2/NDF:10.9/7

+ sign 343.151+/-104.450 χ^2/NDF: 51.9/25

All: 205.749+/-74.467 χ^2/NDF: 85.4/52

- sign 63.712+/-106.198 χ^2/NDF: 30.0/26



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 342.270+/-0.089 χ^2/NDF:879941.7/9

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

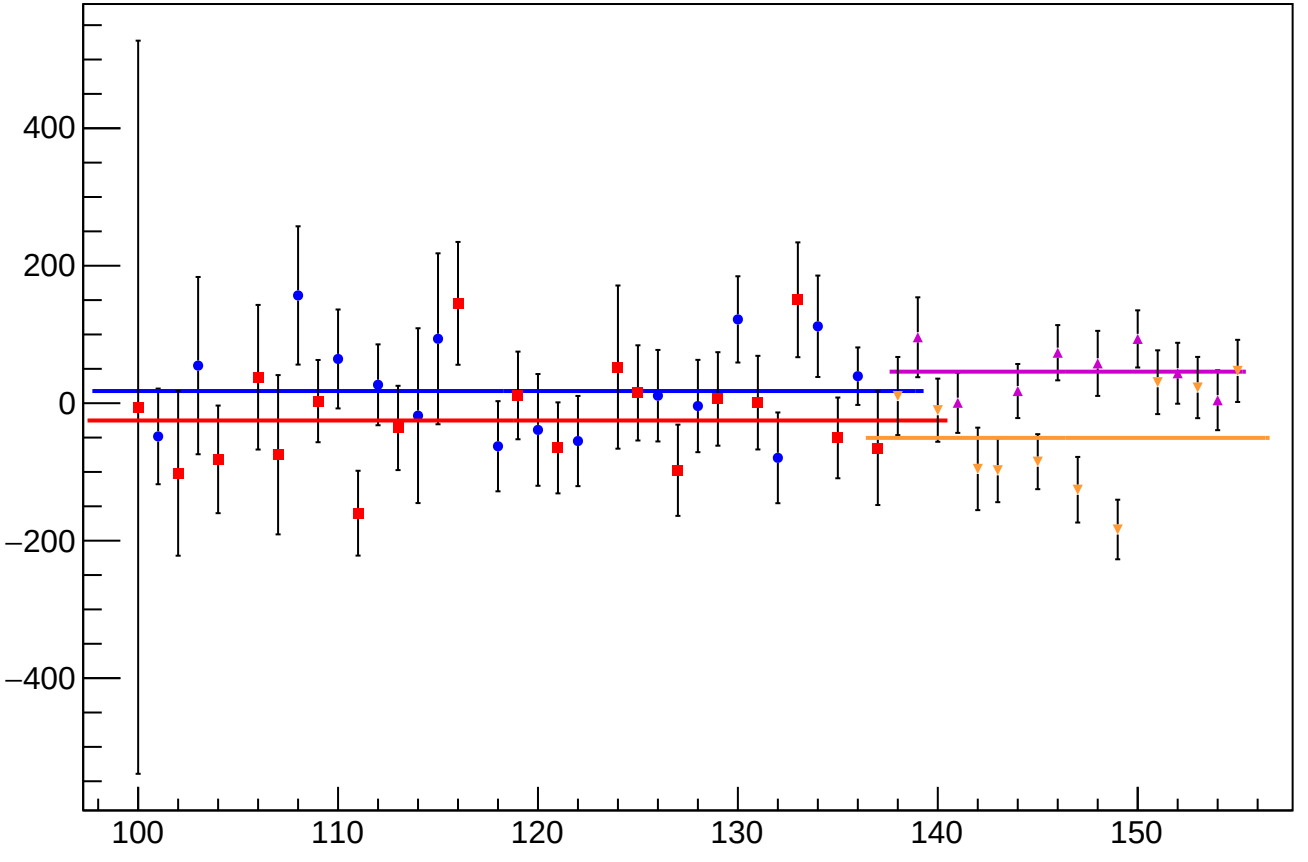
Left In: 336.719+/-0.092 χ^2/NDF:600741.7/7

+ sign 385.813+/-0.074 χ^2/NDF: 2577945.1/25

All: 385.165+/-0.053 χ^2/NDF: 4965461.1/52

- sign 384.496+/-0.075 χ^2/NDF: 2387359.6/26

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -50.460+/-14.778 χ^2/NDF:26.6/9

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

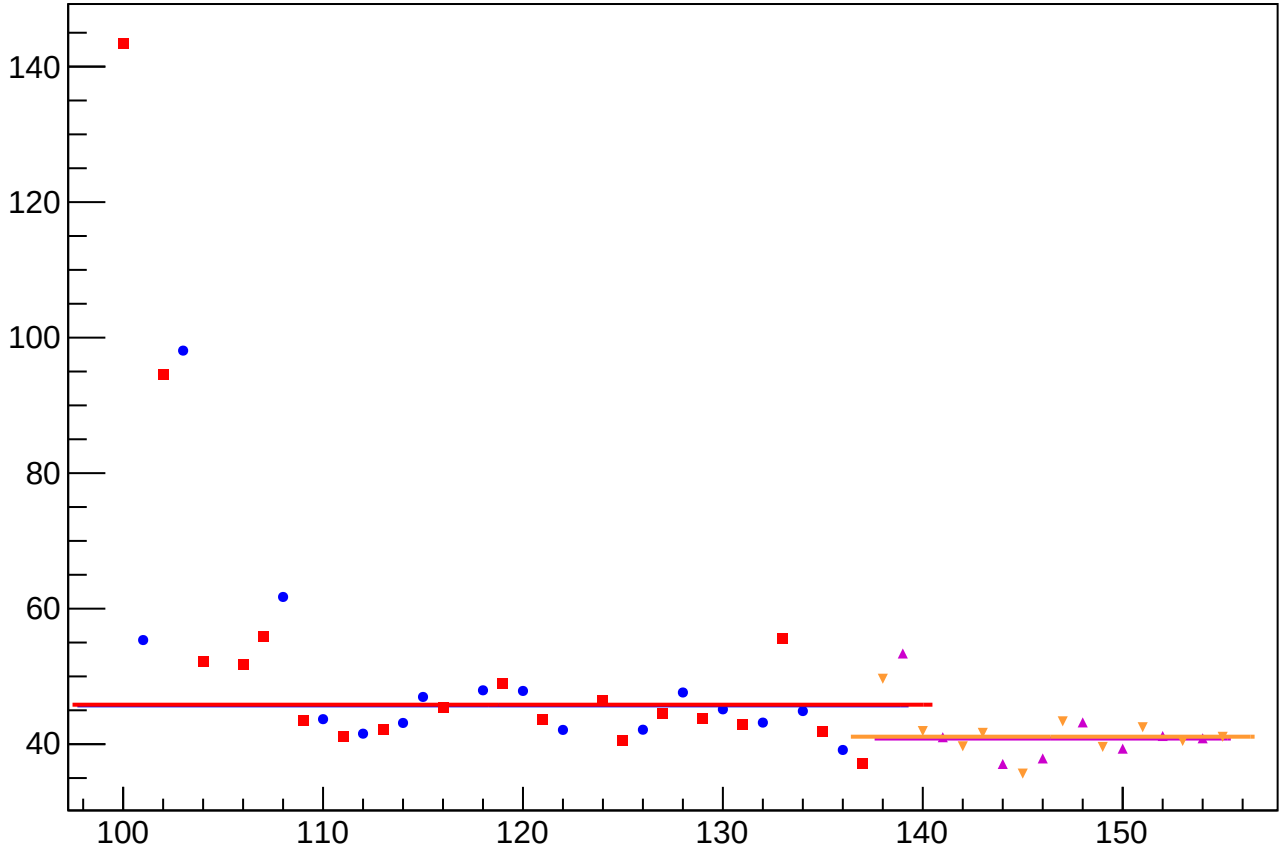
Left In: 45.882+/-15.535 χ^2/NDF:5.1/7

+ sign -22.027+/-11.283 χ^2/NDF: 49.4/25

All: -4.343+/-8.078 χ^2/NDF: 86.8/52

- sign 14.254+/-11.570 χ^2/NDF: 32.4/26

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.105+/-0.010 χ^2/NDF:93516.9/9

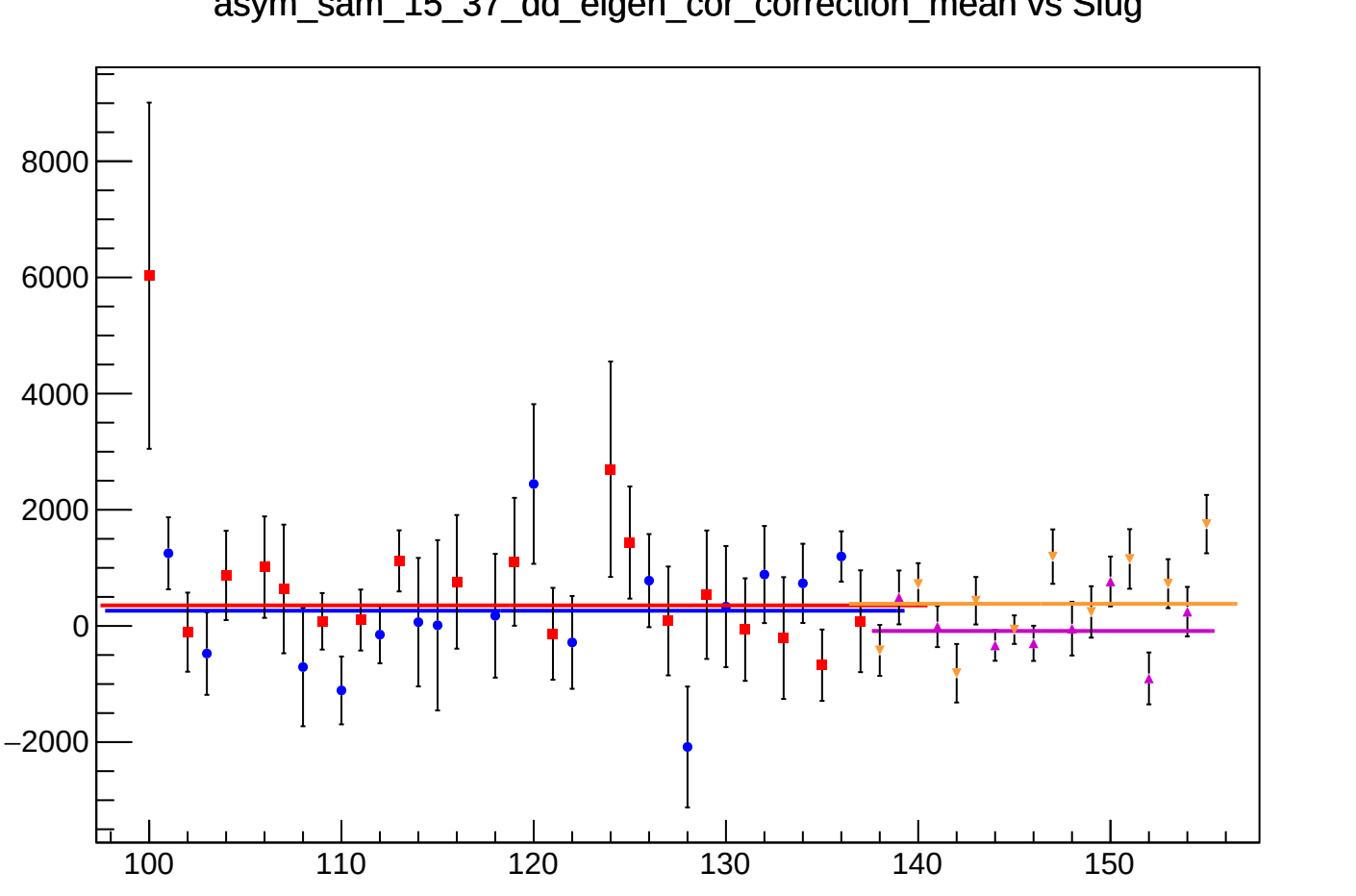
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.830+/-0.011 χ^2/NDF:129982.2/7

+ sign 43.033+/-0.008 χ^2/NDF: 676568.8/25

All: 43.043+/-0.006 χ^2/NDF: 1437119.9/52

- sign 43.054+/-0.008 χ^2/NDF: 760547.5/26



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 381.022+/-126.482 χ^2/NDF:26.7/9

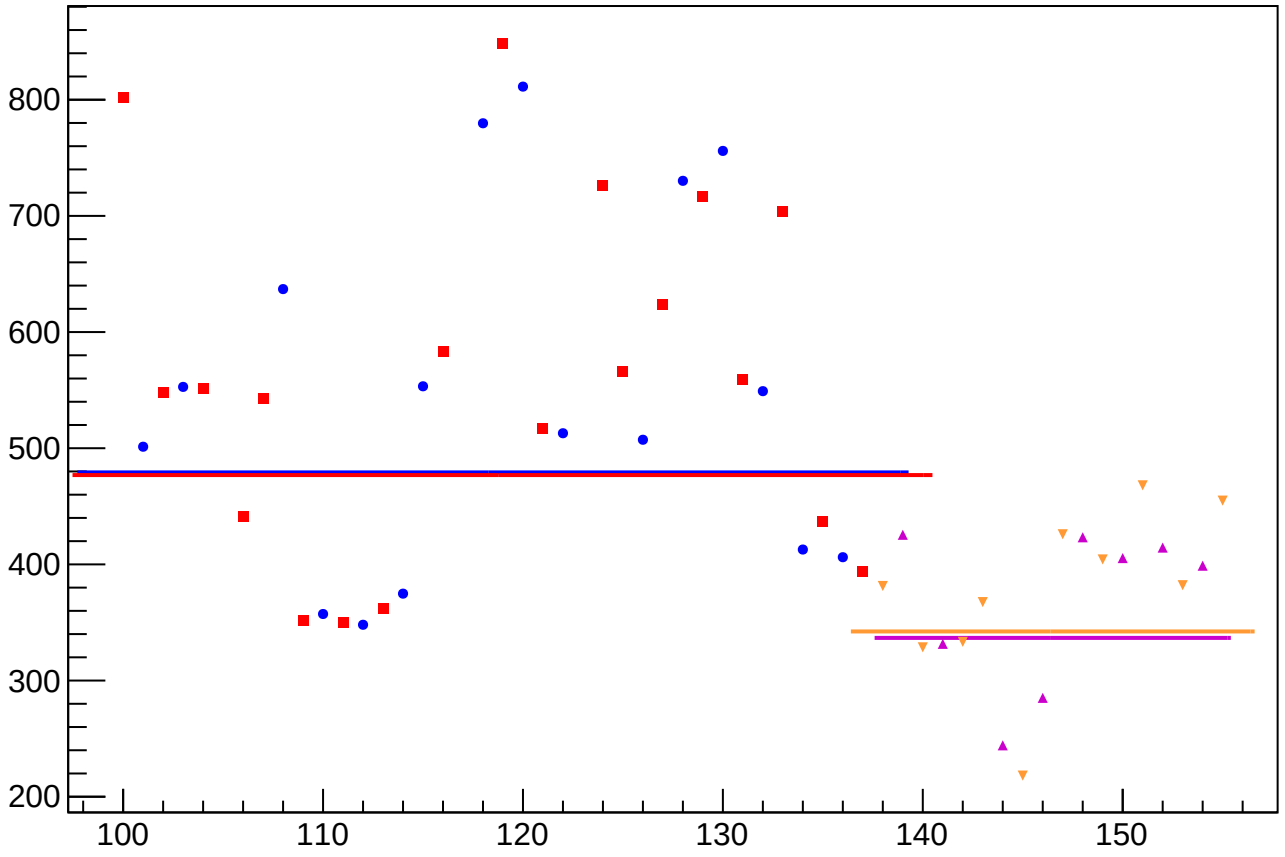
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -86.497+/-130.803 χ^2/NDF:10.9/7

+ sign 343.151+/-104.450 χ^2/NDF: 51.9/25

All: 205.749+/-74.467 χ^2/NDF: 85.4/52

- sign 63.712+/-106.198 χ^2/NDF: 30.0/26



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 342.270+/-0.089 χ^2/NDF:879941.7/9

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

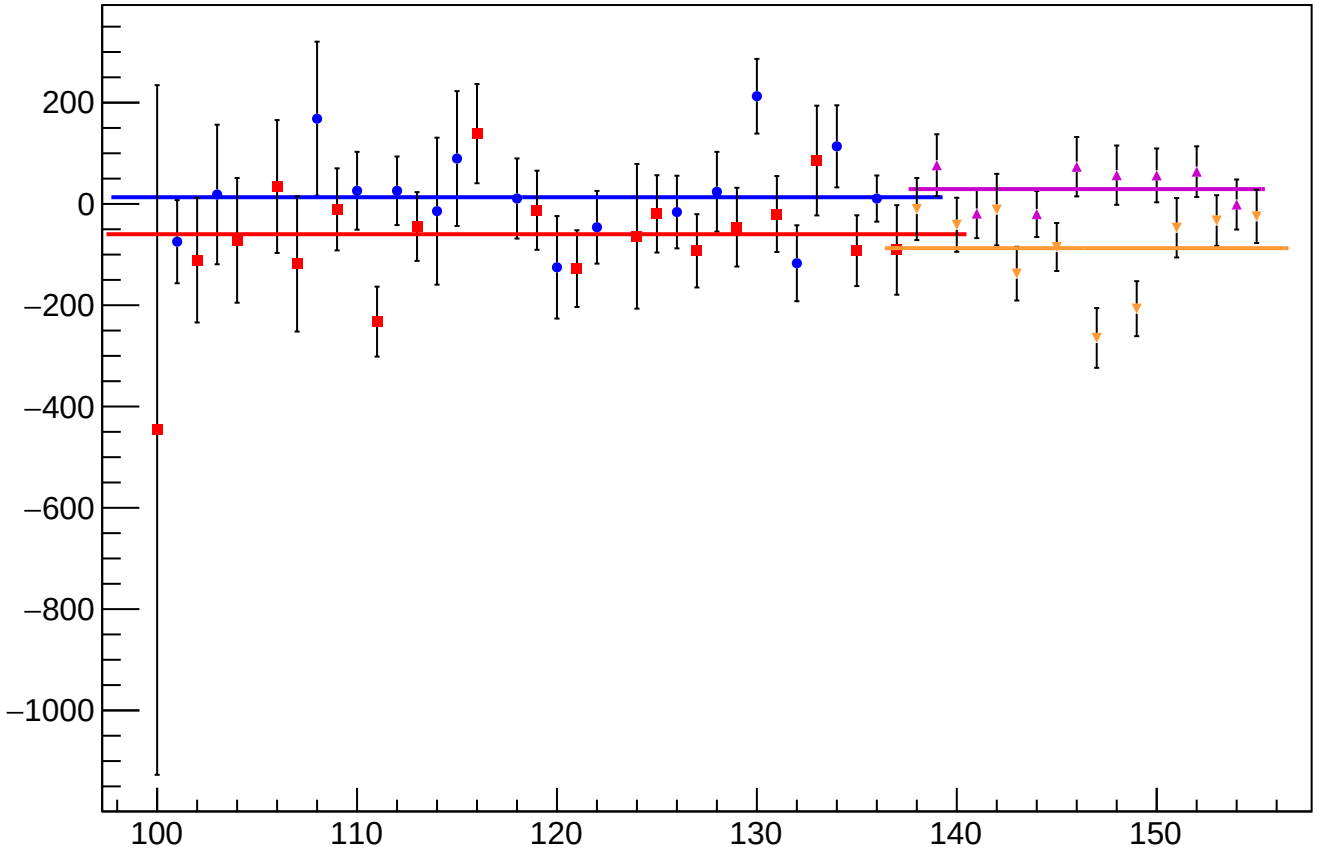
Left In: 336.719+/-0.092 χ^2/NDF:600741.7/7

\+ sign 385.813+/-0.074 χ^2/NDF: 2577945.1/25

All: 385.165+/-0.053 χ^2/NDF: 4965461.1/52

\- sign 384.496+/-0.075 χ^2/NDF: 2387359.6/26

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -87.314+/-17.415 χ^2/NDF:21.3/9

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

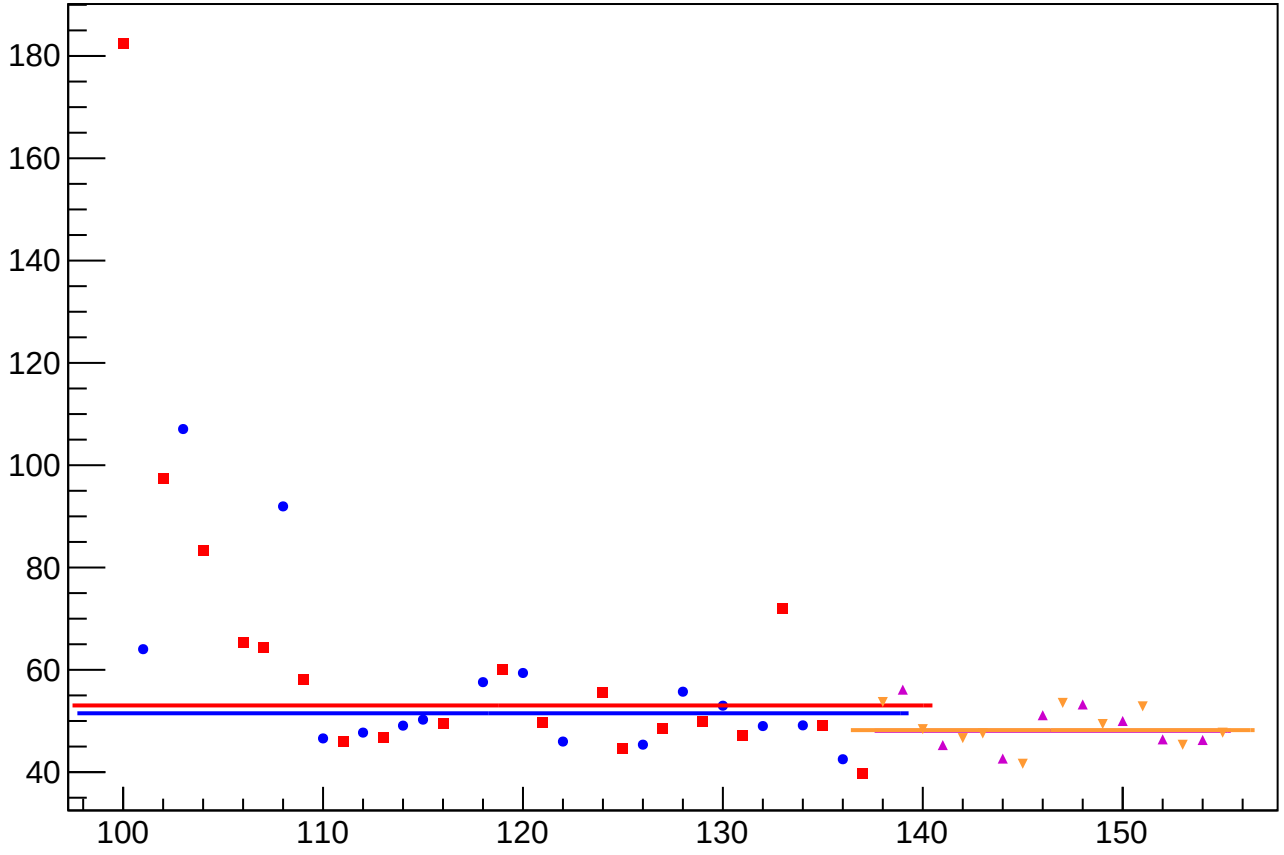
Left In: 29.301+/-18.487 χ^2/NDF:4.7/7

+ sign -43.566+/-13.091 χ^2/NDF: 53.1/25

All: -28.079+/-9.447 χ^2/NDF: 87.3/52

- sign -11.244+/-13.648 χ^2/NDF: 31.3/26

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.213+/-0.012 χ^2/NDF:92351.4/9

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

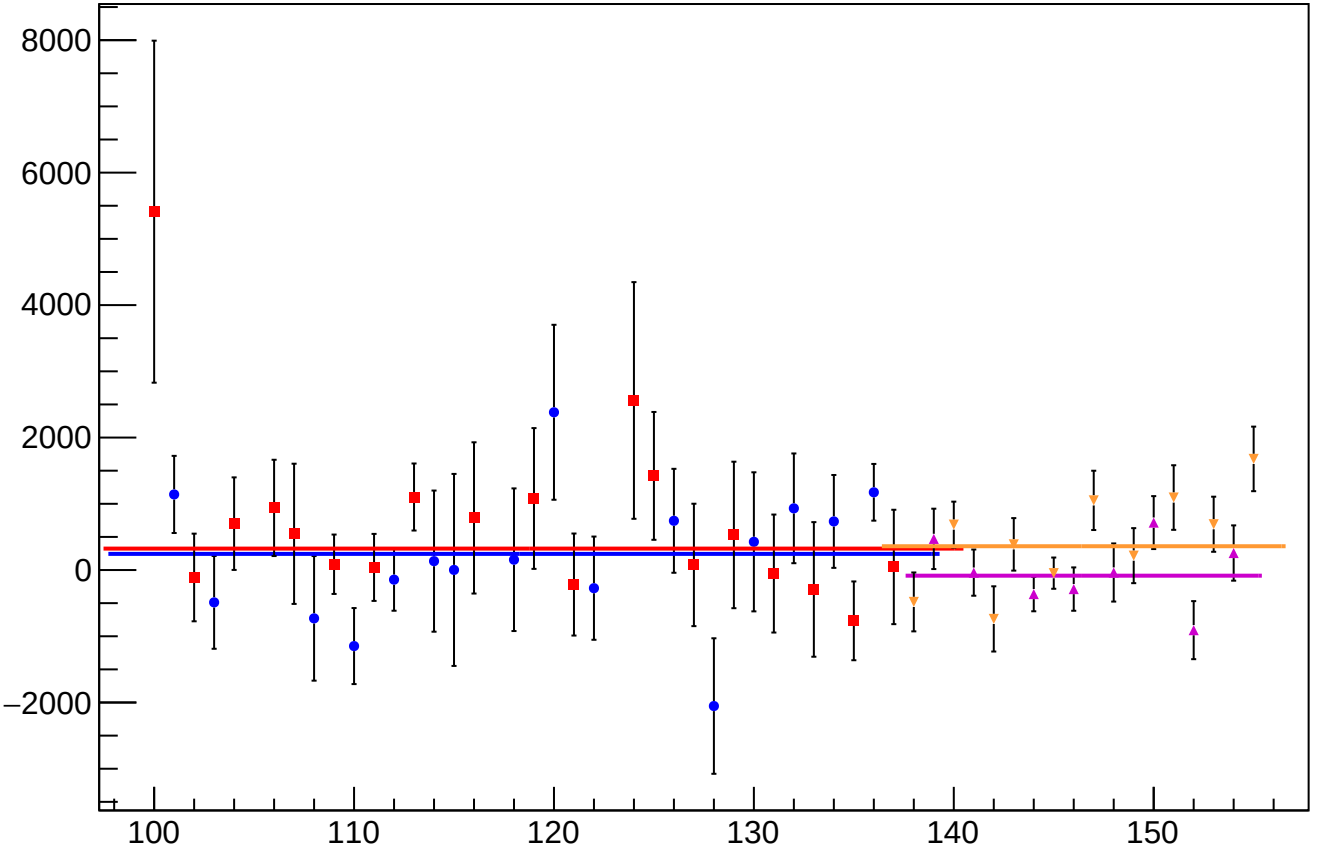
Left In: 48.083+/-0.013 χ^2/NDF:98247.8/7

+ sign 49.645+/-0.009 χ^2/NDF: 790505.8/25

All: 49.977+/-0.007 χ^2/NDF: 1669699.7/52

- sign 50.337+/-0.010 χ^2/NDF: 876516.8/26

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 359.392+/-122.321 χ^2/NDF:25.1/9

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

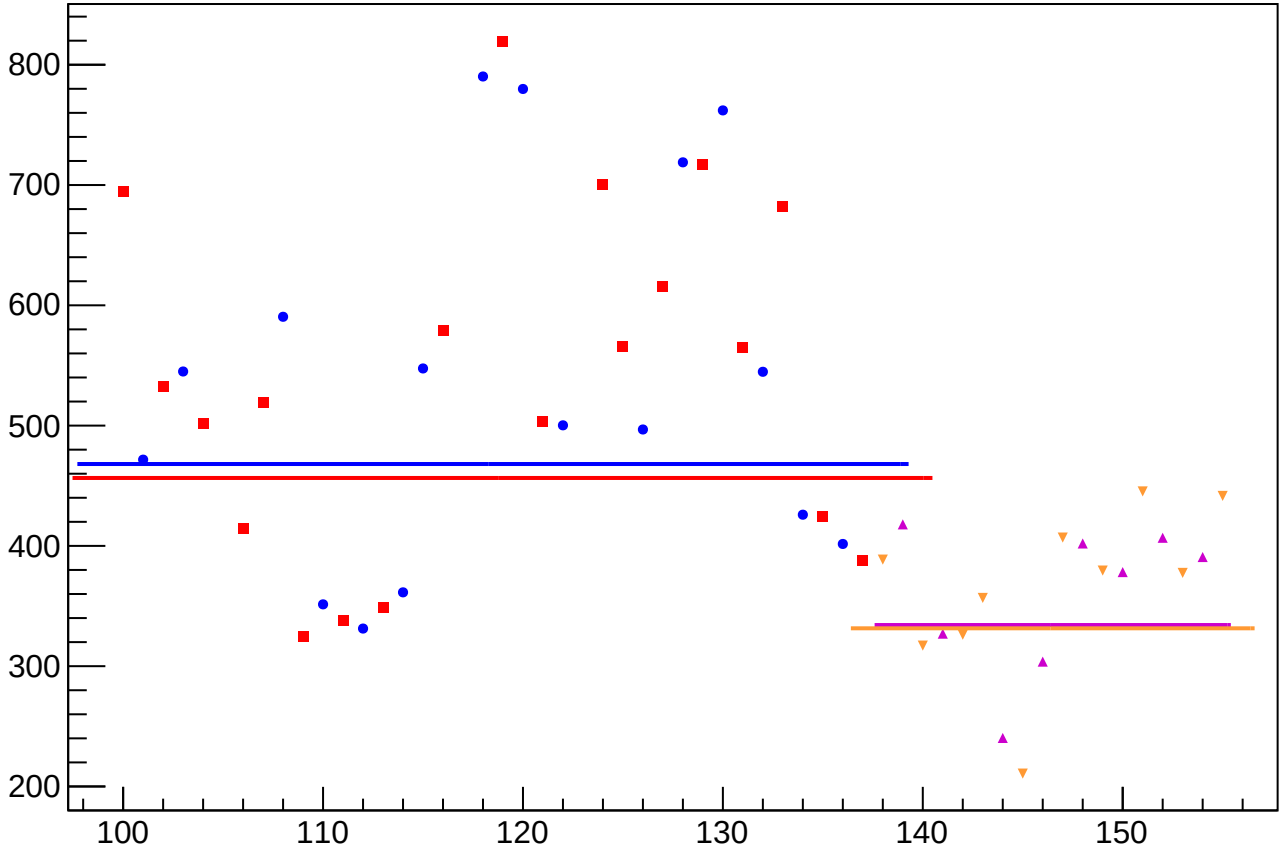
Left In: -85.233+/-129.556 χ^2/NDF:11.3/7

+ sign 323.125+/-101.325 χ^2/NDF: 51.0/25

All: 195.265+/-72.519 χ^2/NDF: 85.6/52

- sign 60.989+/-103.836 χ^2/NDF: 31.3/26

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 331.481+/-0.086 χ^2/NDF:888315.9/9

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

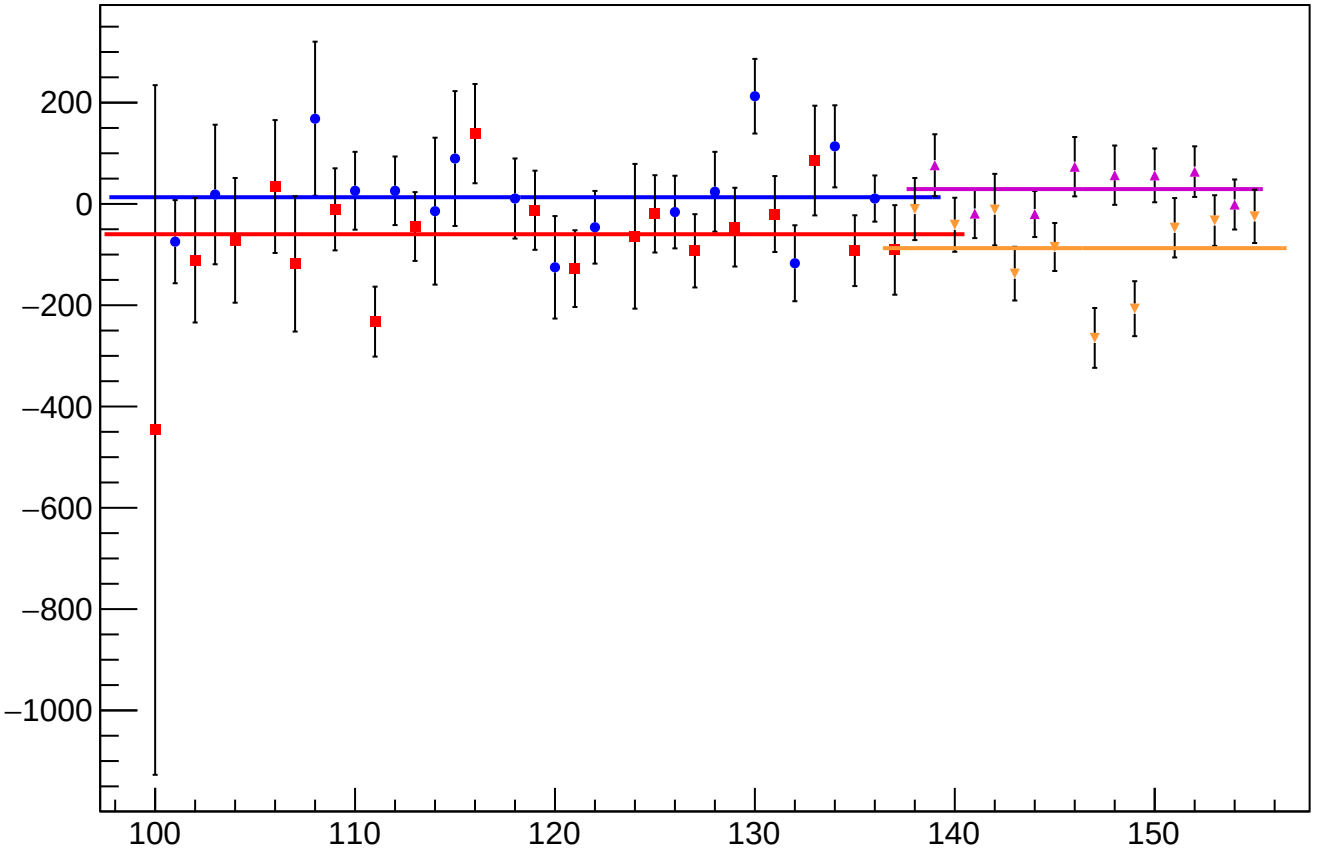
Left In: 334.211+/-0.092 χ^2/NDF:510022.7/7

+ sign 374.345+/-0.072 χ^2/NDF: 2653799.7/25

All: 376.096+/-0.051 χ^2/NDF: 4884561.9/52

- sign 377.934+/-0.073 χ^2/NDF: 2229538.4/26

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -87.314+/-17.415 χ^2/NDF:21.3/9

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

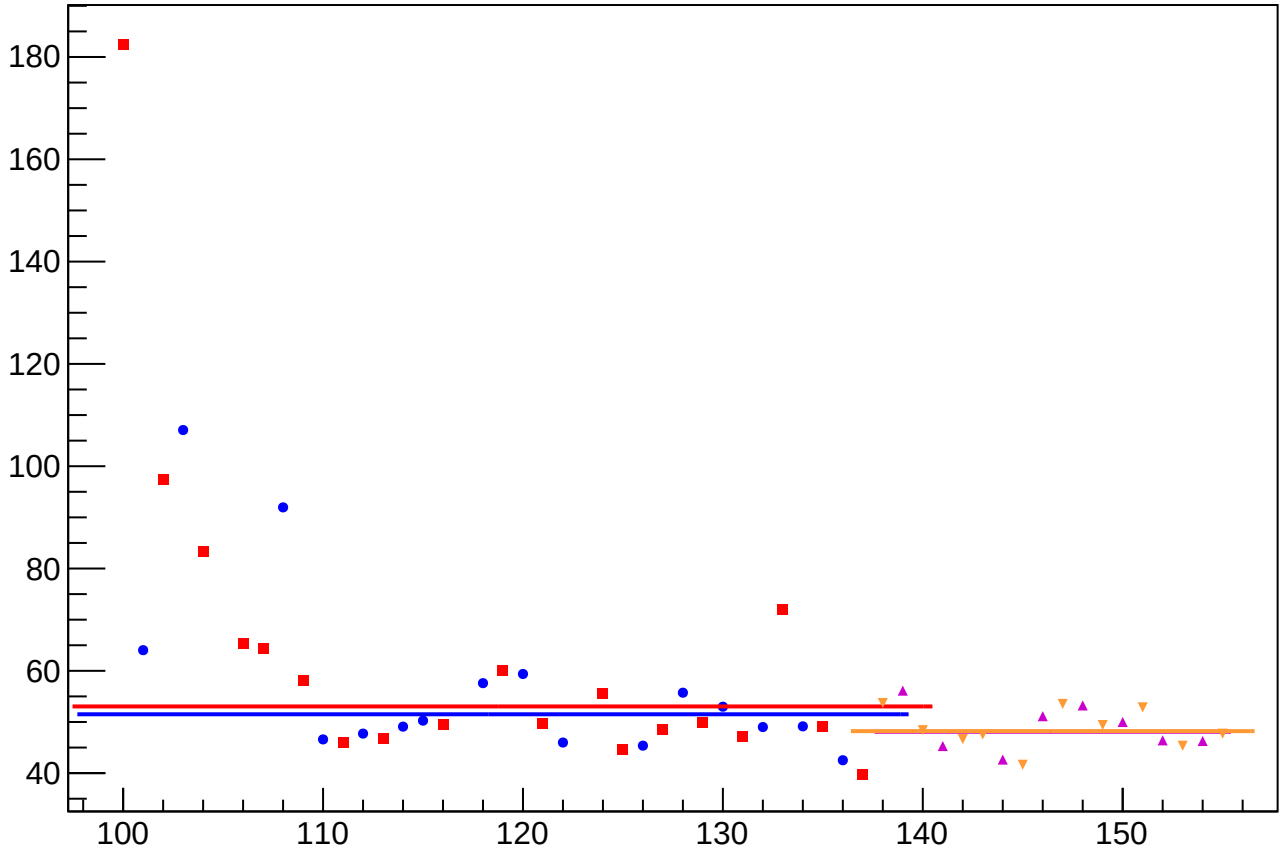
Left In: 29.302+/-18.487 χ^2/NDF:4.7/7

+ sign -43.567+/-13.091 χ^2/NDF: 53.1/25

All: -28.079+/-9.448 χ^2/NDF: 87.3/52

- sign -11.244+/-13.648 χ^2/NDF: 31.3/26

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.213+/-0.012 χ^2/NDF:92349.5/9

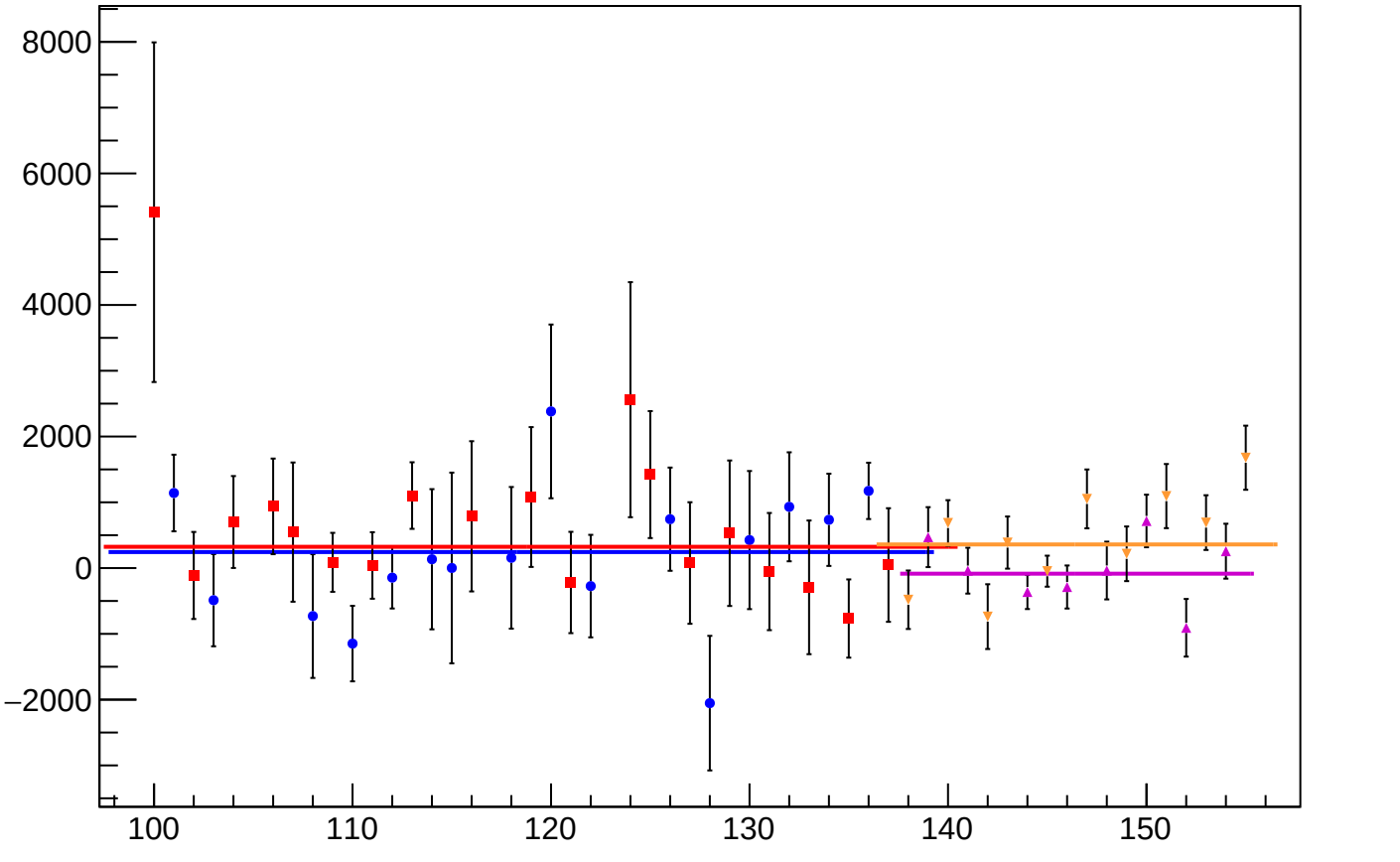
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 48.083+/-0.013 χ^2/NDF:98245.4/7

+ sign 49.645+/-0.009 χ^2/NDF: 790507.4/25

All: 49.977+/-0.007 χ^2/NDF: 1669707.2/52

- sign 50.337+/-0.010 χ^2/NDF: 876522.7/26



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 359.392+/-122.321 χ^2/NDF:25.1/9

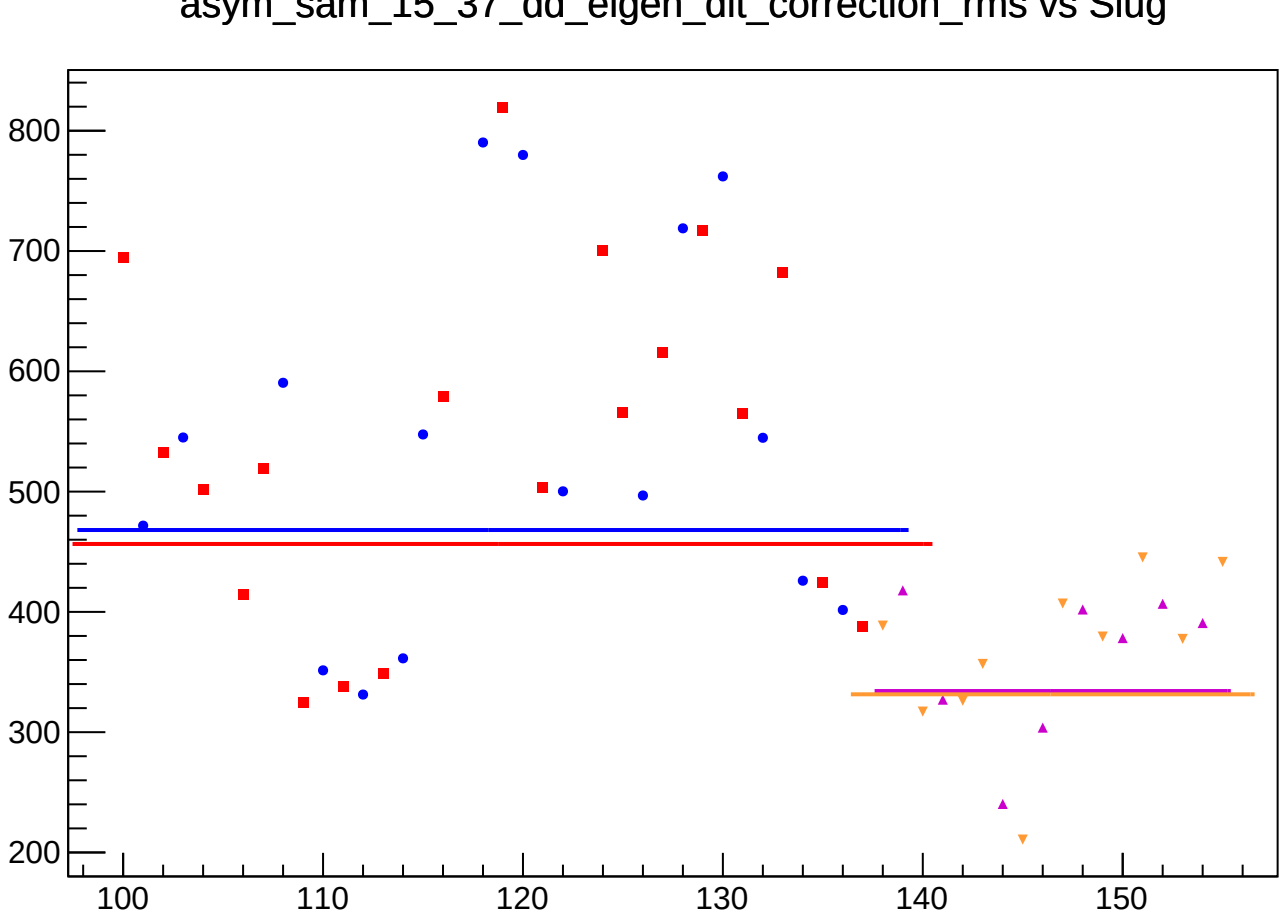
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -85.233+/-129.556 χ^2/NDF:11.3/7

+ sign 323.124+/-101.325 χ^2/NDF: 51.0/25

All: 195.265+/-72.519 χ^2/NDF: 85.6/52

- sign 60.989+/-103.836 χ^2/NDF: 31.3/26



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 331.481+/-0.086 χ^2/NDF:888320.0/9

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

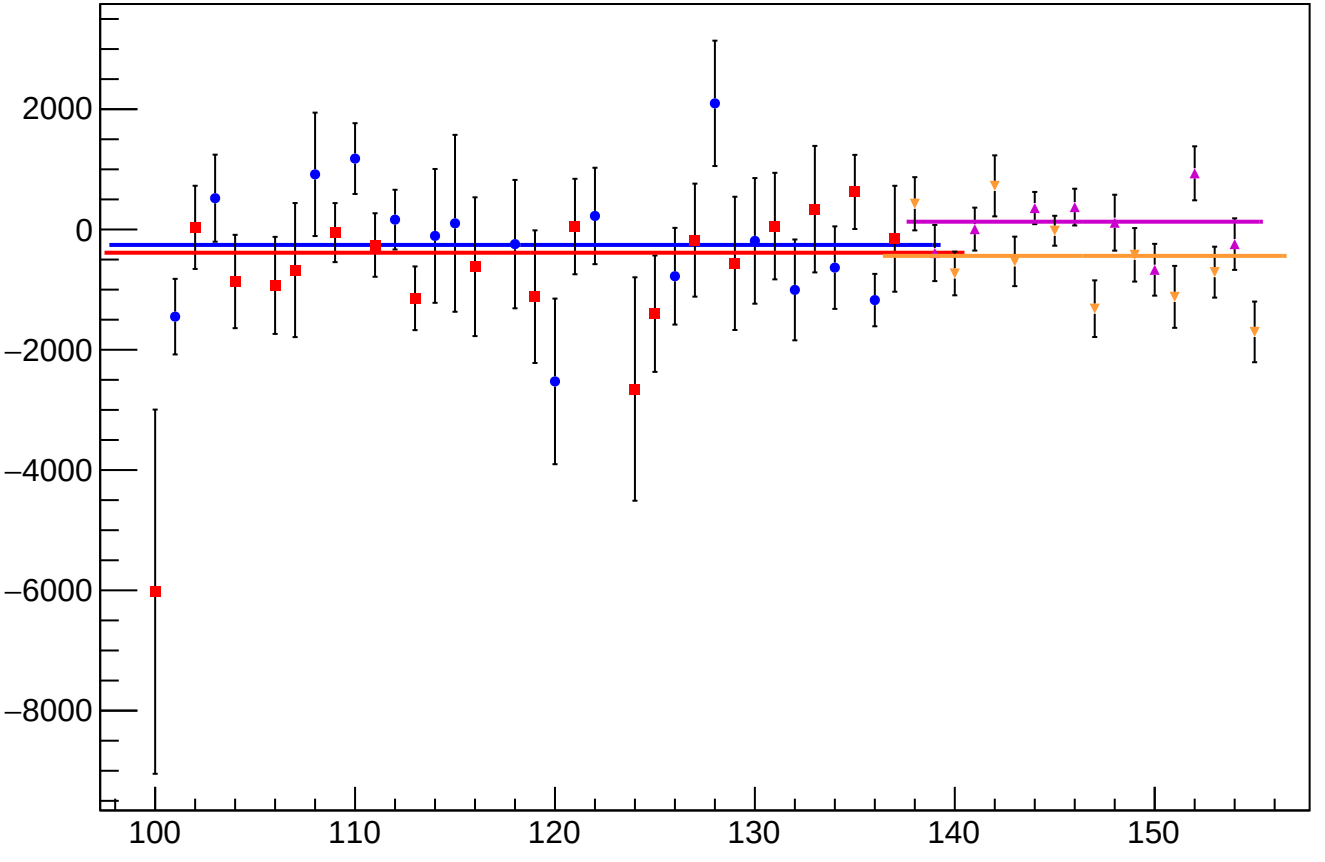
Left In: 334.211+/-0.092 χ^2/NDF:510024.3/7

+ sign 374.345+/-0.072 χ^2/NDF: 2653797.3/25

All: 376.096+/-0.051 χ^2/NDF: 4884549.0/52

- sign 377.934+/-0.073 χ^2/NDF: 2229527.8/26

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -438.493+/-127.513 χ^2/NDF:24.5/9

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

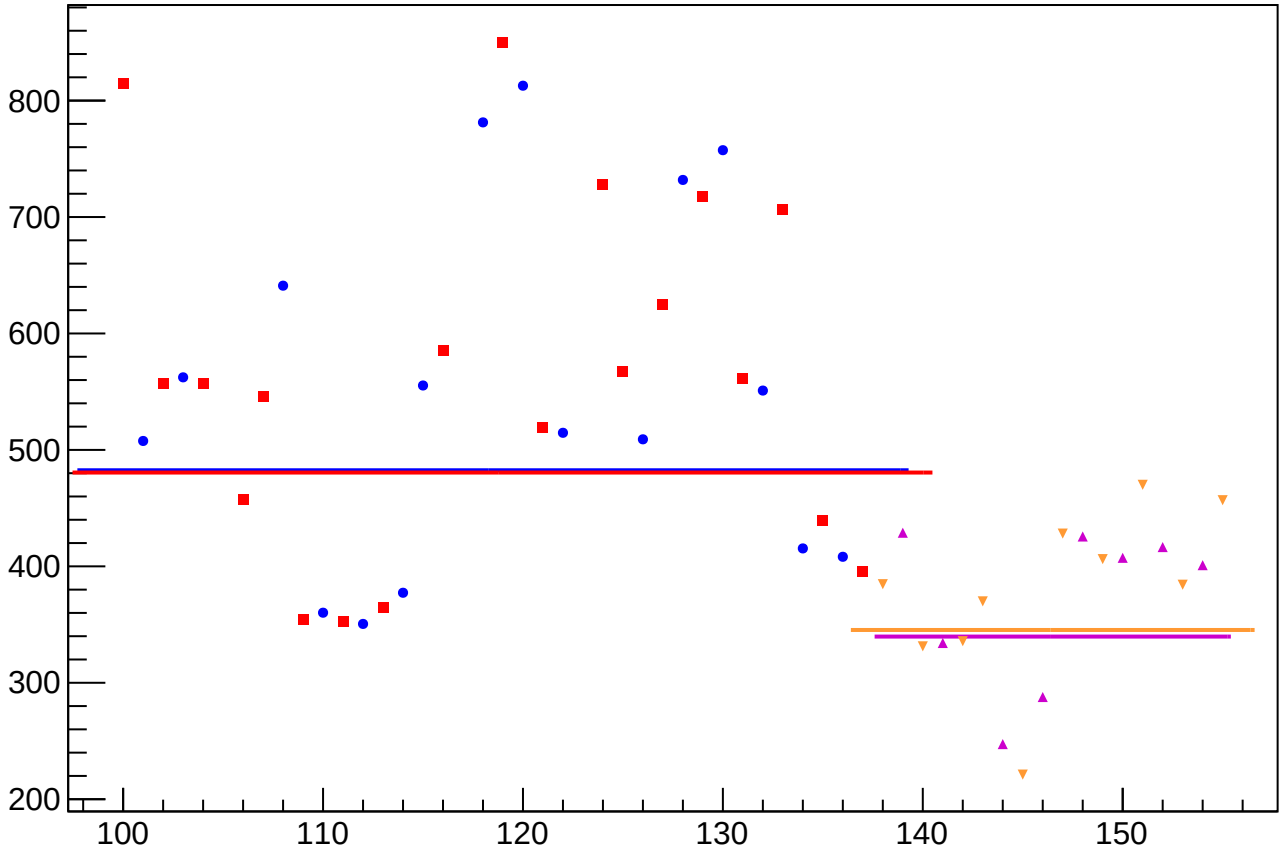
Left In: 129.266+/-131.868 χ^2/NDF:10.1/7

+ sign -380.581+/-105.255 χ^2/NDF: 52.1/25

All: -216.707+/-74.987 χ^2/NDF: 86.6/52

- sign -47.805+/-106.858 χ^2/NDF: 29.6/26

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 345.352+/-0.090 χ^2/NDF:856218.2/9

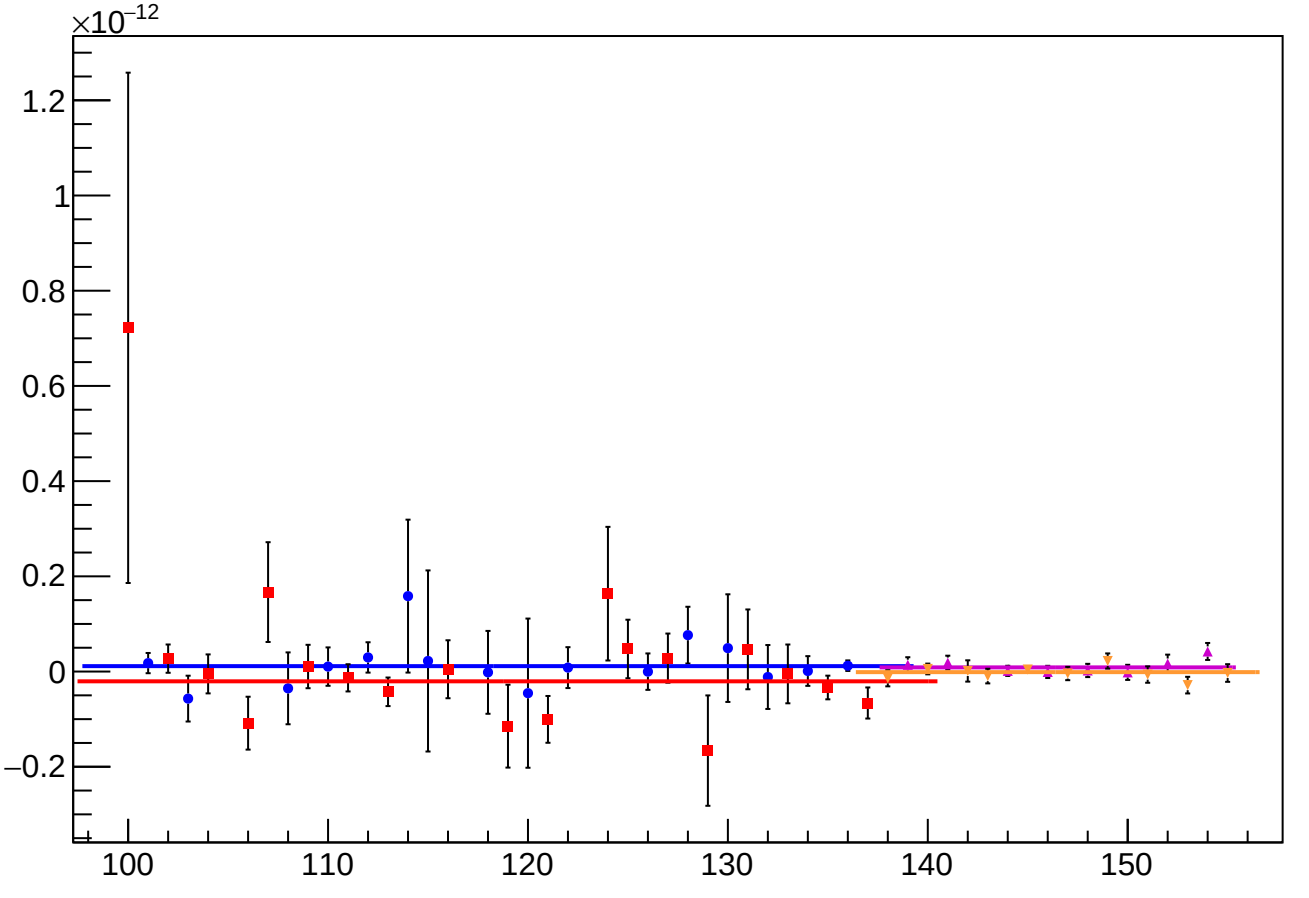
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 339.684+/-0.093 χ^2/NDF:586140.8/7

+ sign 389.057+/-0.074 χ^2/NDF: 2540108.9/25

All: 388.563+/-0.053 χ^2/NDF: 4903856.5/52

- sign 388.053+/-0.076 χ^2/NDF: 2363658.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/9

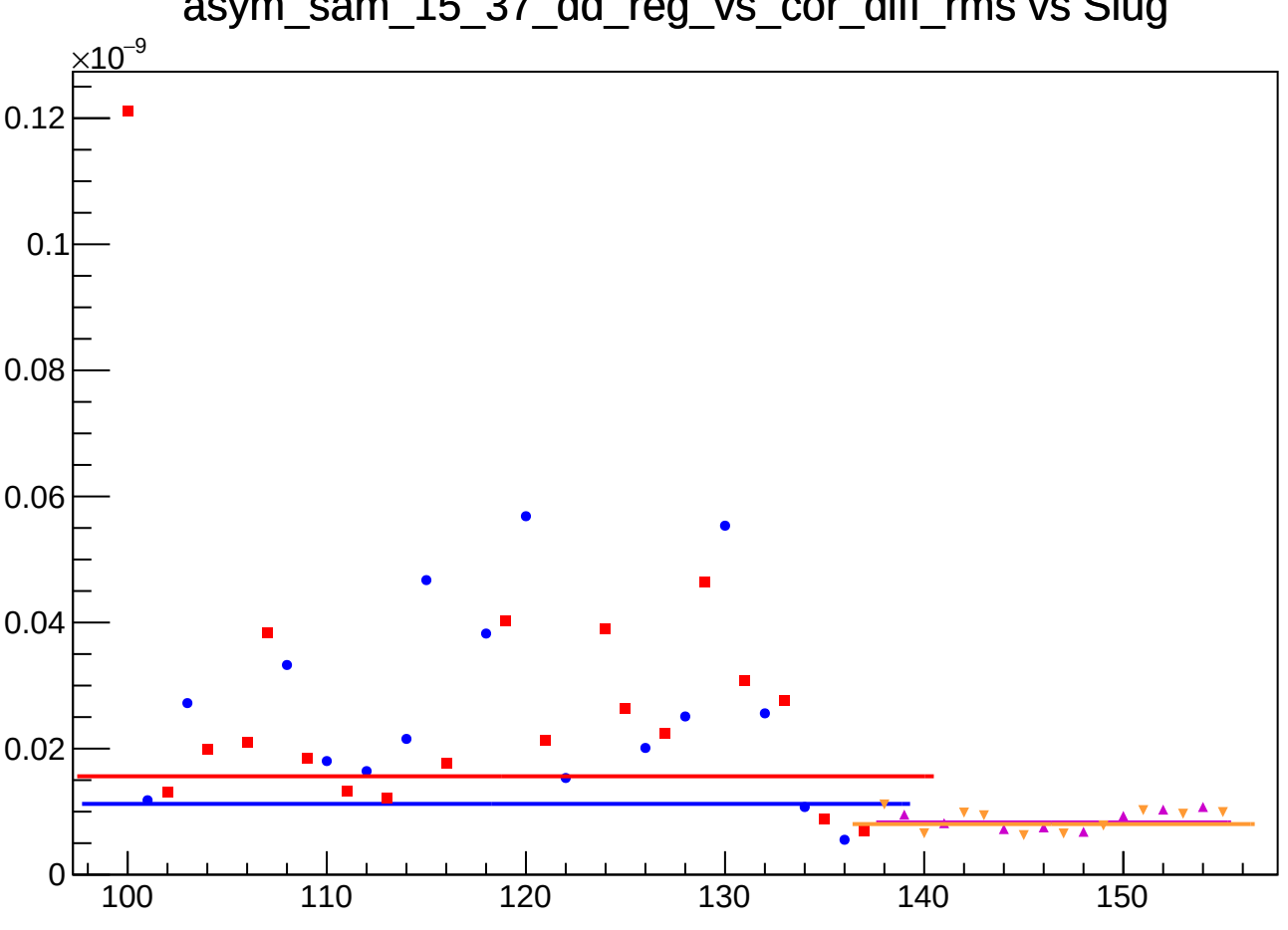
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 13.6/25

All: 0.000+/-0.000 χ^2/NDF: 49.8/52

- sign 0.000+/-0.000 χ^2/NDF: 36.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:290859.9/9

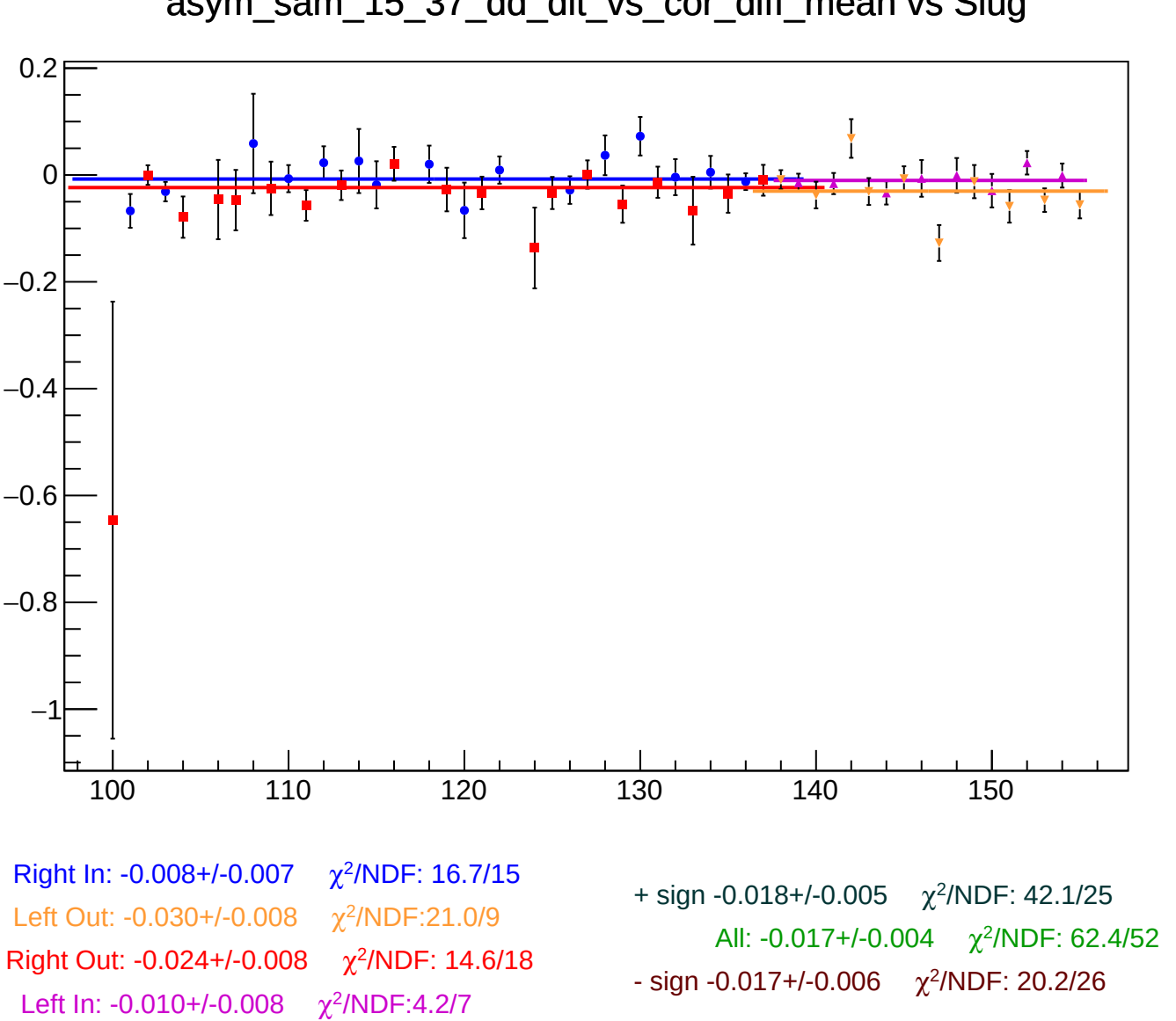
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:131779.0/7

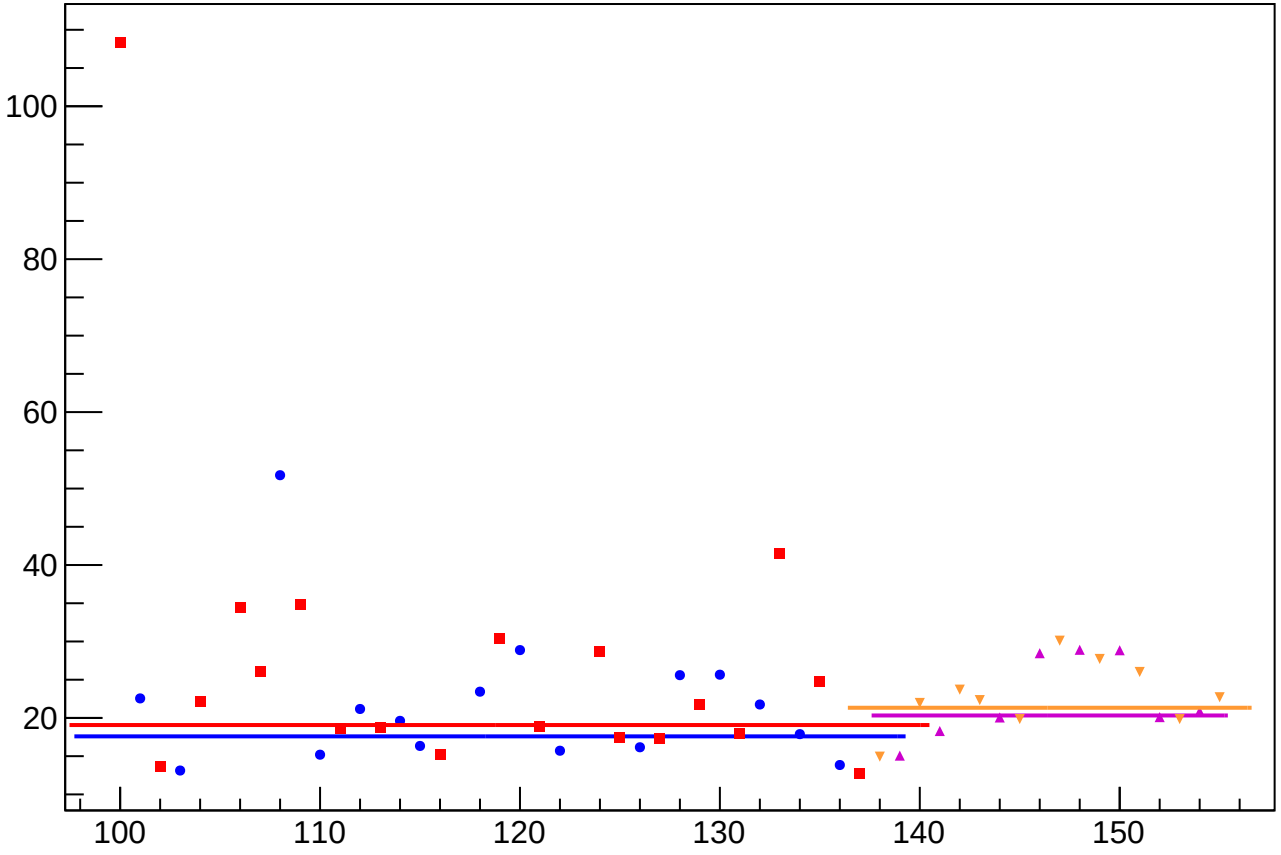
+ sign 0.000+/-0.000 χ^2/NDF: 2634226.2/25

All: 0.000+/-0.000 χ^2/NDF: 4811211.1/52

- sign 0.000+/-0.000 χ^2/NDF: 2132424.2/26


asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: -0.008+/-0.007 χ²/NDF: 16.7/15
Left Out: -0.030+/-0.008 χ²/NDF:21.0/9
Right Out: -0.024+/-0.008 χ²/NDF: 14.6/18
Left In: -0.010+/-0.008 χ²/NDF:4.2/7
+ sign -0.018+/-0.005 χ²/NDF: 42.1/25
All: -0.017+/-0.004 χ²/NDF: 62.4/52
- sign -0.017+/-0.006 χ²/NDF: 20.2/26

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: 21.332+/-0.006 χ^2/NDF:560741.3/9

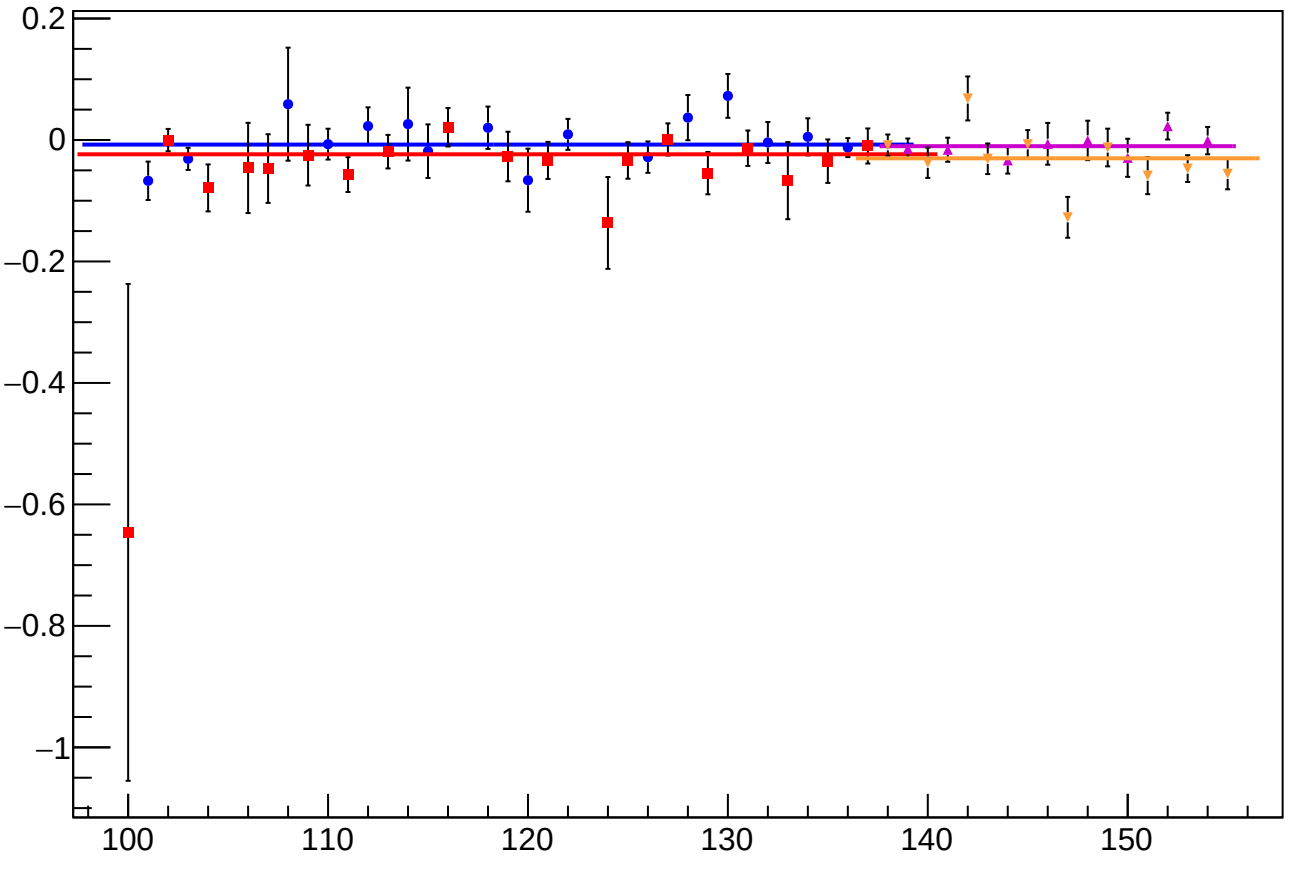
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.323+/-0.006 χ^2/NDF:618008.6/7

+ sign 19.259+/-0.004 χ^2/NDF: 1794632.5/25

All: 19.453+/-0.003 χ^2/NDF: 3690872.4/52

- sign 19.665+/-0.004 χ^2/NDF: 1890756.3/26



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.030+/-0.008 χ^2/NDF:21.0/9

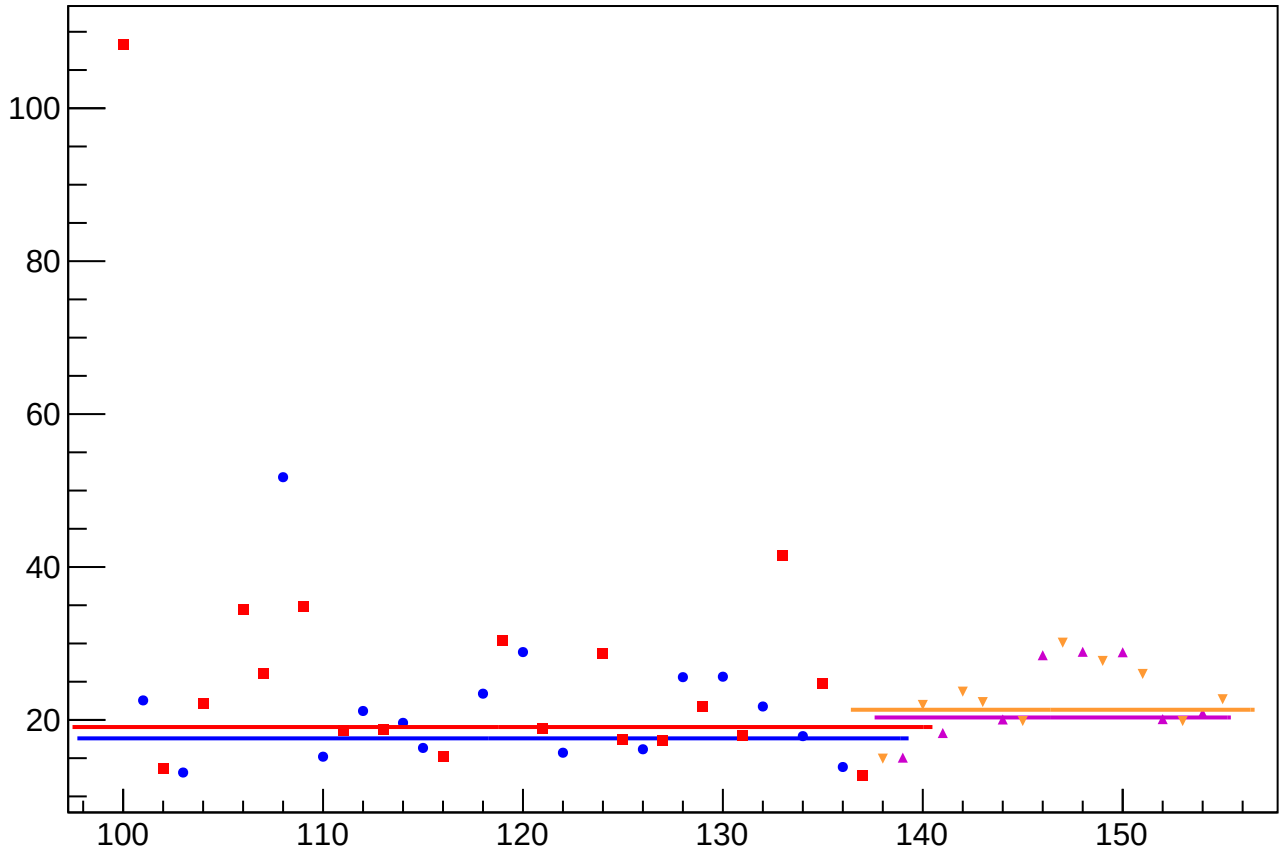
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.010+/-0.008 χ^2/NDF:4.2/7

+ sign -0.018+/-0.005 χ^2/NDF: 42.1/25

All: -0.017+/-0.004 χ^2/NDF: 62.4/52

- sign -0.017+/-0.006 χ^2/NDF: 20.2/26



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.332+/-0.006 χ^2/NDF:560741.3/9

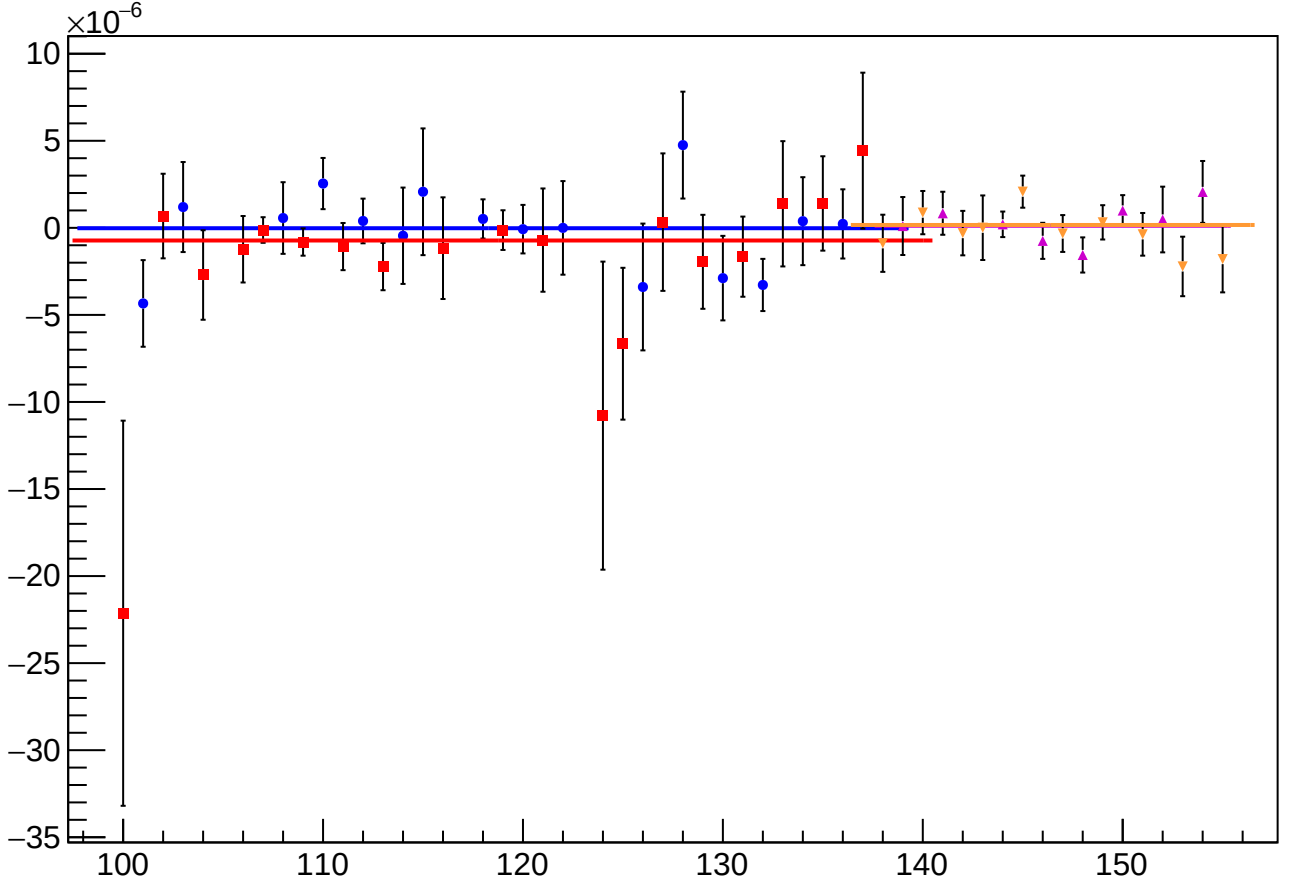
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.323+/-0.006 χ^2/NDF:618008.6/7

+ sign 19.259+/-0.004 χ^2/NDF: 1794632.5/25

All: 19.453+/-0.003 χ^2/NDF: 3690872.4/52

- sign 19.665+/-0.004 χ^2/NDF: 1890756.3/26



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

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/9

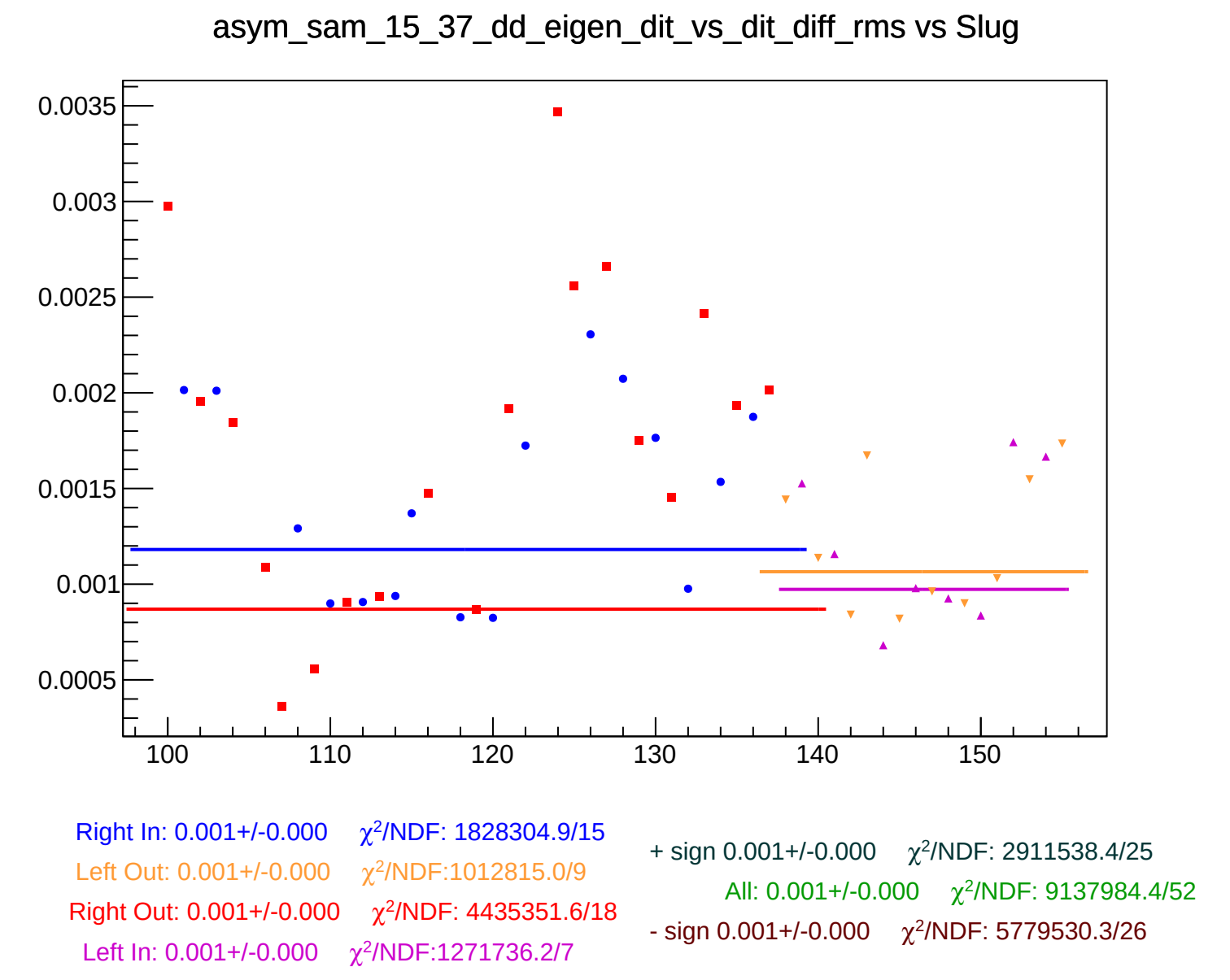
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

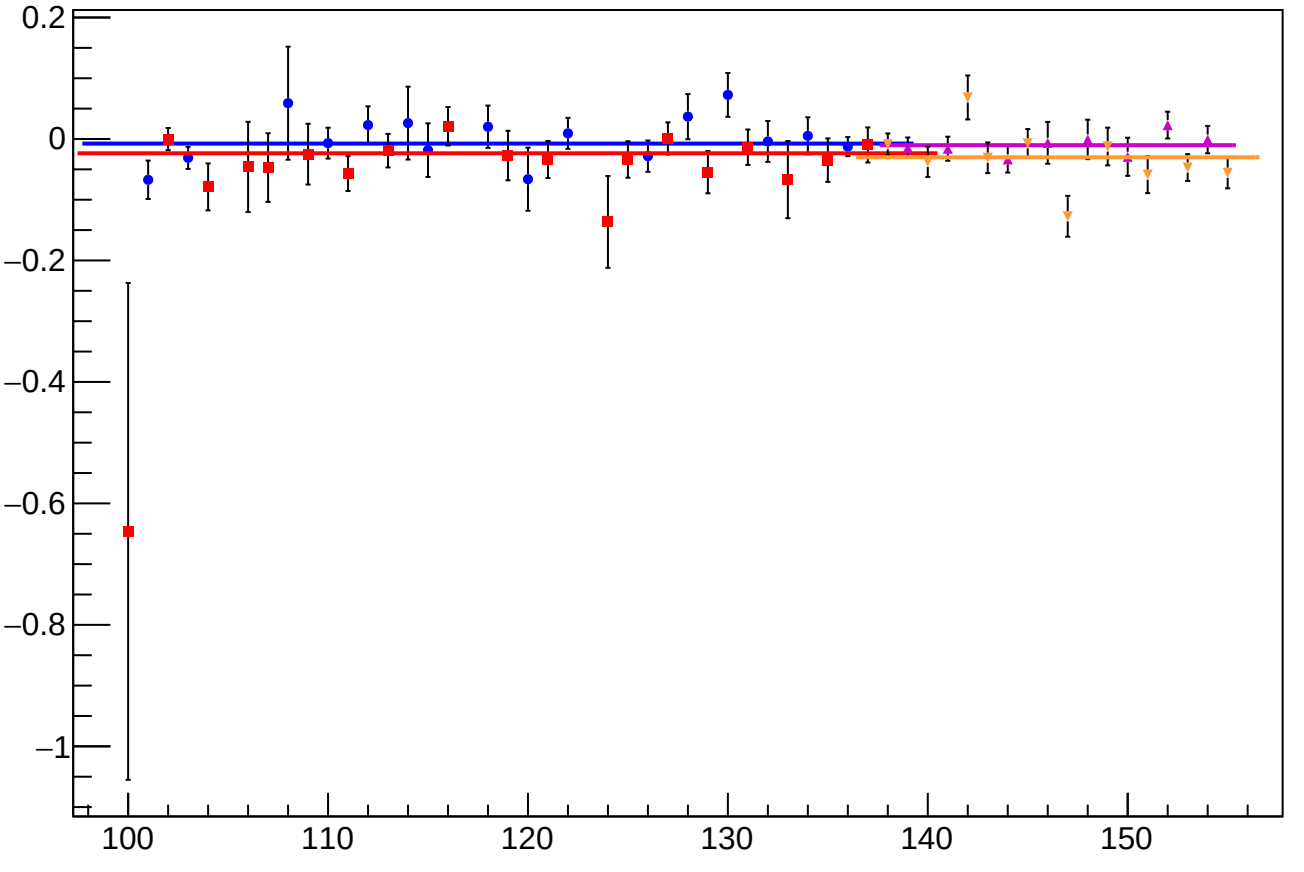
Left In: 0.000+/-0.000 χ^2/NDF:6.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 25.2/25

All: -0.000+/-0.000 χ^2/NDF: 47.5/52

- sign -0.000+/-0.000 χ^2/NDF: 21.3/26


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1012815.0/9
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:1271736.2/7
+ sign 0.001+/-0.000 χ²/NDF: 2911538.4/25
All: 0.001+/-0.000 χ²/NDF: 9137984.4/52
- sign 0.001+/-0.000 χ²/NDF: 5779530.3/26



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.030+/-0.008 χ^2/NDF:21.0/9

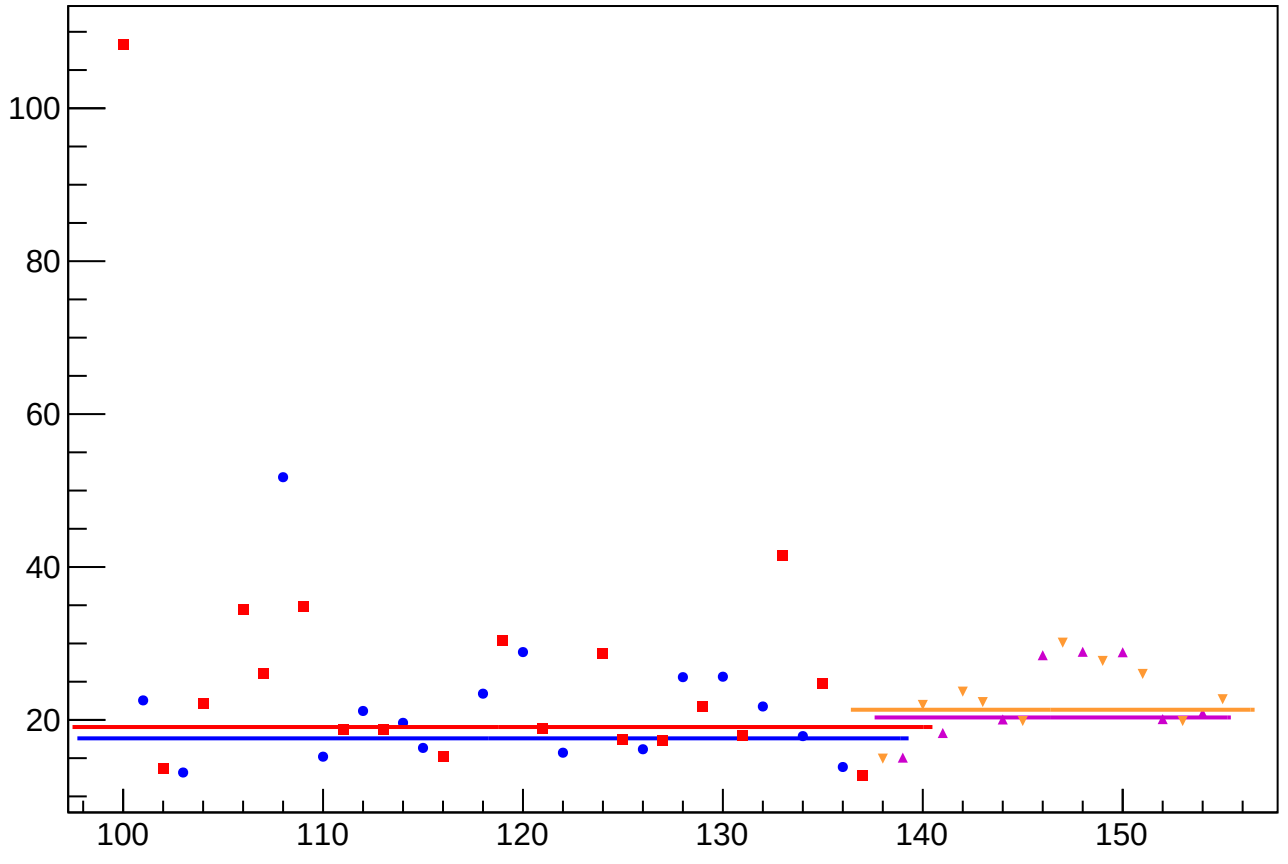
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.010+/-0.008 χ^2/NDF:4.2/7

+ sign -0.018+/-0.005 χ^2/NDF: 42.1/25

All: -0.017+/-0.004 χ^2/NDF: 62.4/52

- sign -0.017+/-0.006 χ^2/NDF: 20.2/26



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.333+/-0.006 χ^2/NDF:560728.0/9

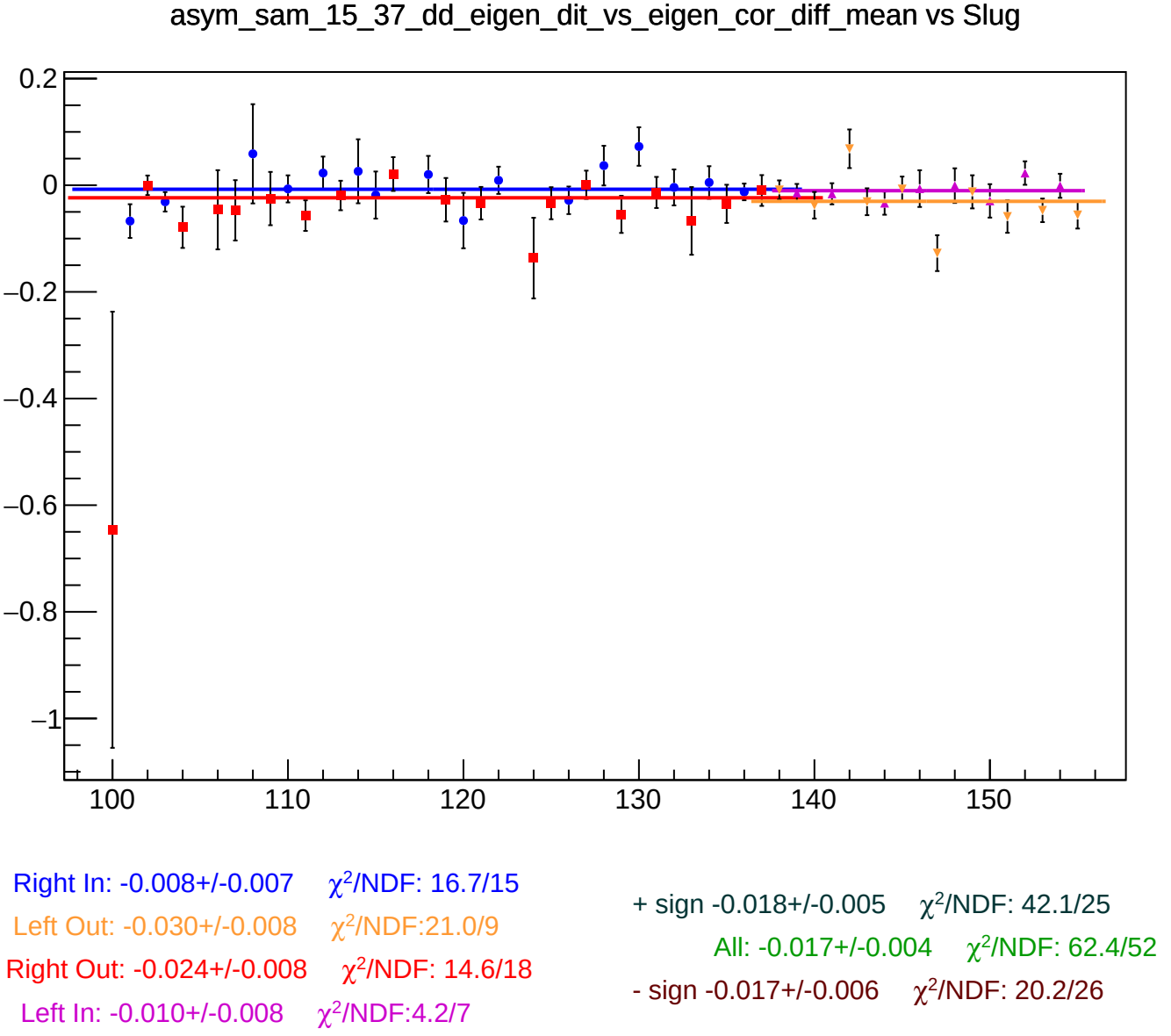
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

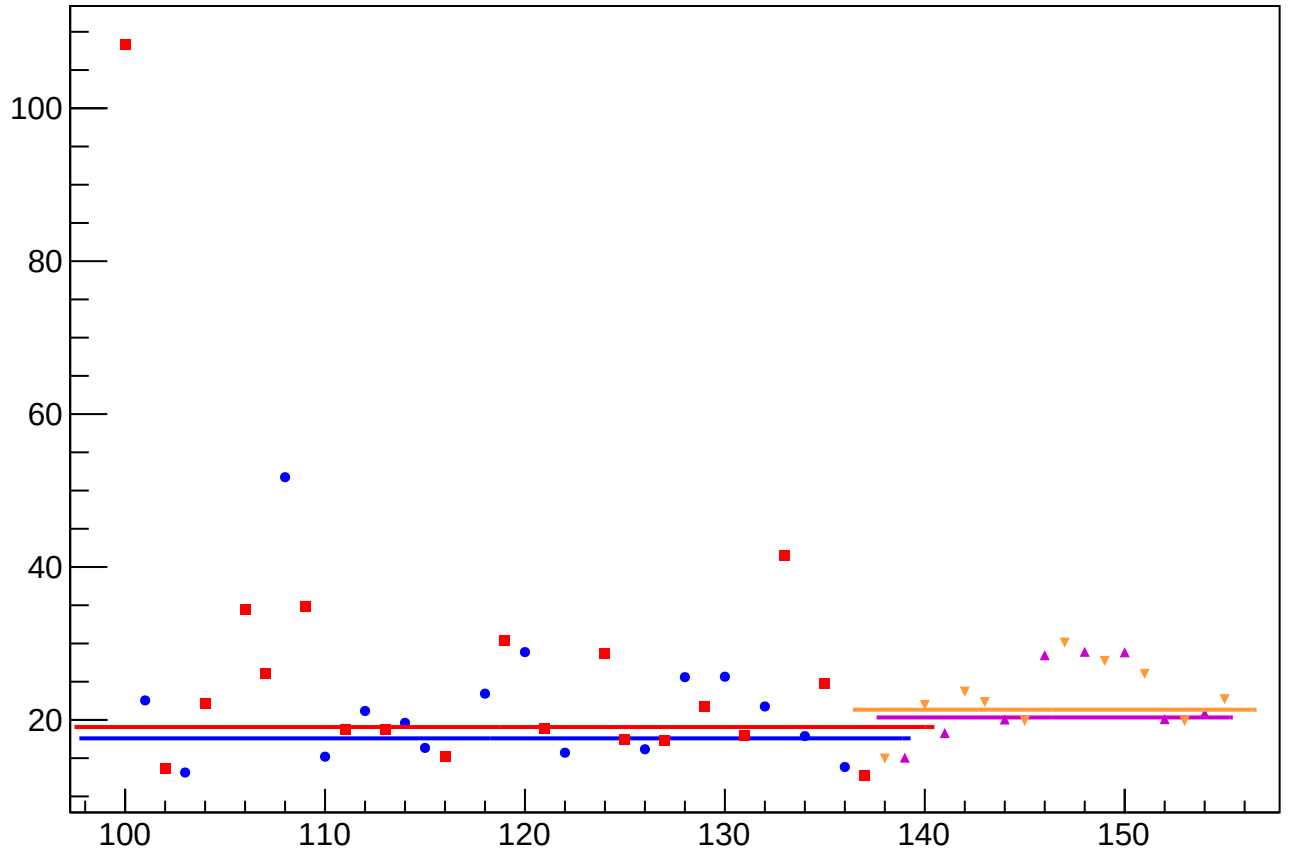
Left In: 20.324+/-0.006 χ^2/NDF:617969.6/7

+ sign 19.259+/-0.004 χ^2/NDF: 1794681.8/25

All: 19.453+/-0.003 χ^2/NDF: 3690807.7/52

- sign 19.666+/-0.004 χ^2/NDF: 1890637.2/26


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
Right In: -0.008+/-0.007 χ²/NDF: 16.7/15
Left Out: -0.030+/-0.008 χ²/NDF:21.0/9
Right Out: -0.024+/-0.008 χ²/NDF: 14.6/18
Left In: -0.010+/-0.008 χ²/NDF:4.2/7
+ sign -0.018+/-0.005 χ²/NDF: 42.1/25
All: -0.017+/-0.004 χ²/NDF: 62.4/52
- sign -0.017+/-0.006 χ²/NDF: 20.2/26



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.333+/-0.006 χ^2/NDF:560728.0/9

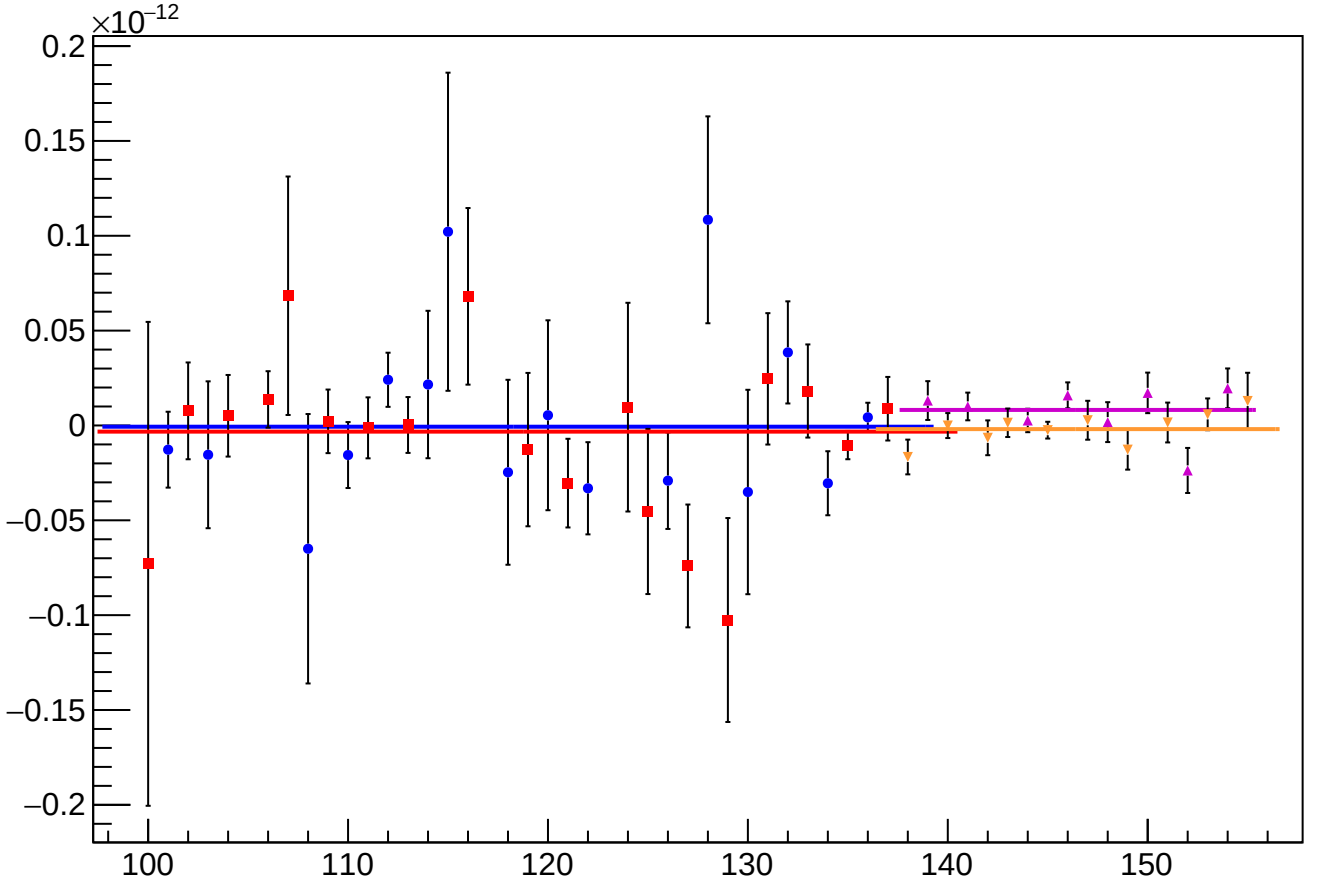
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.324+/-0.006 χ^2/NDF:617969.6/7

+ sign 19.259+/-0.004 χ^2/NDF: 1794681.8/25

All: 19.453+/-0.003 χ^2/NDF: 3690807.7/52

- sign 19.666+/-0.004 χ^2/NDF: 1890637.2/26



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/9

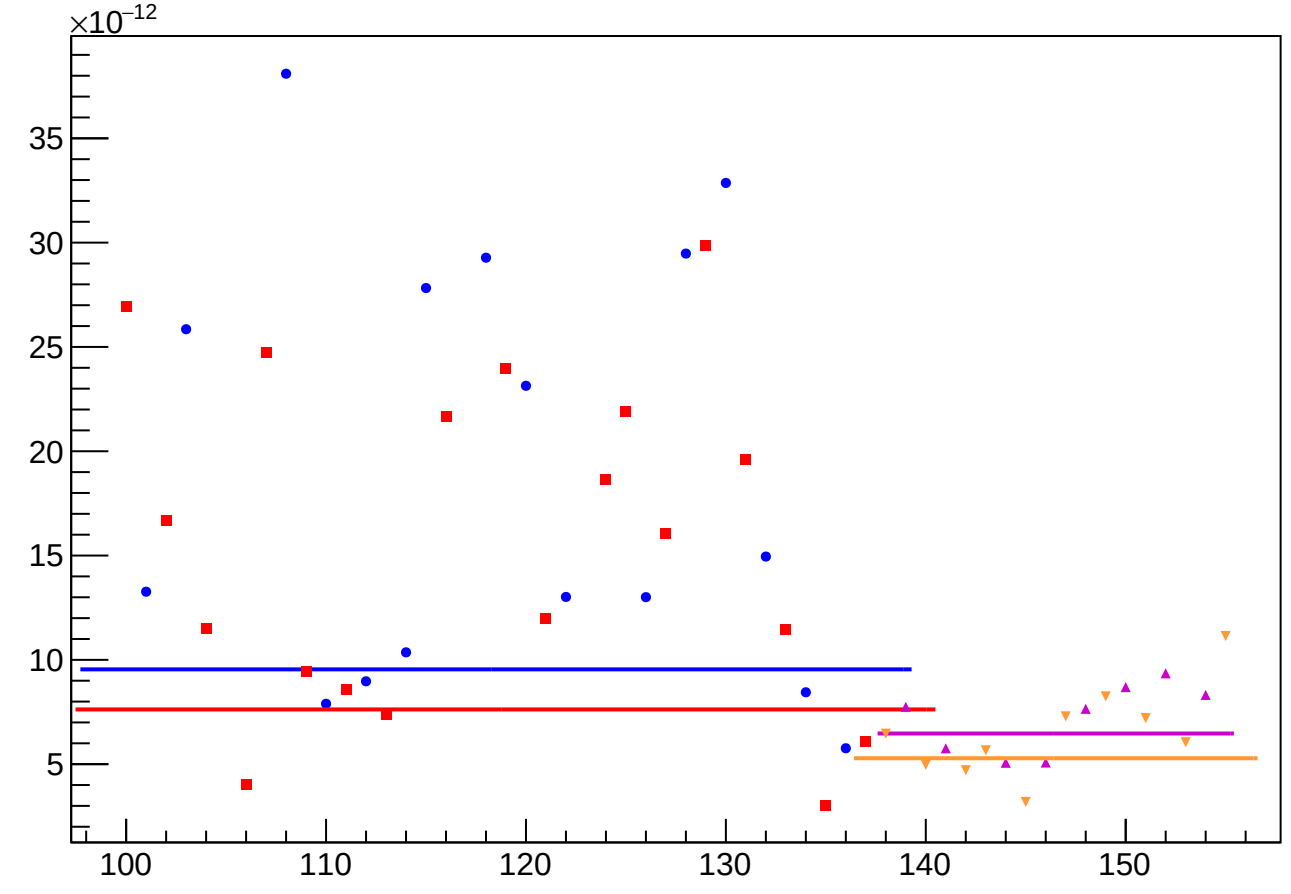
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 26.7/25

All: 0.000+/-0.000 χ^2/NDF: 65.7/52

- sign 0.000+/-0.000 χ^2/NDF: 35.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1130476.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

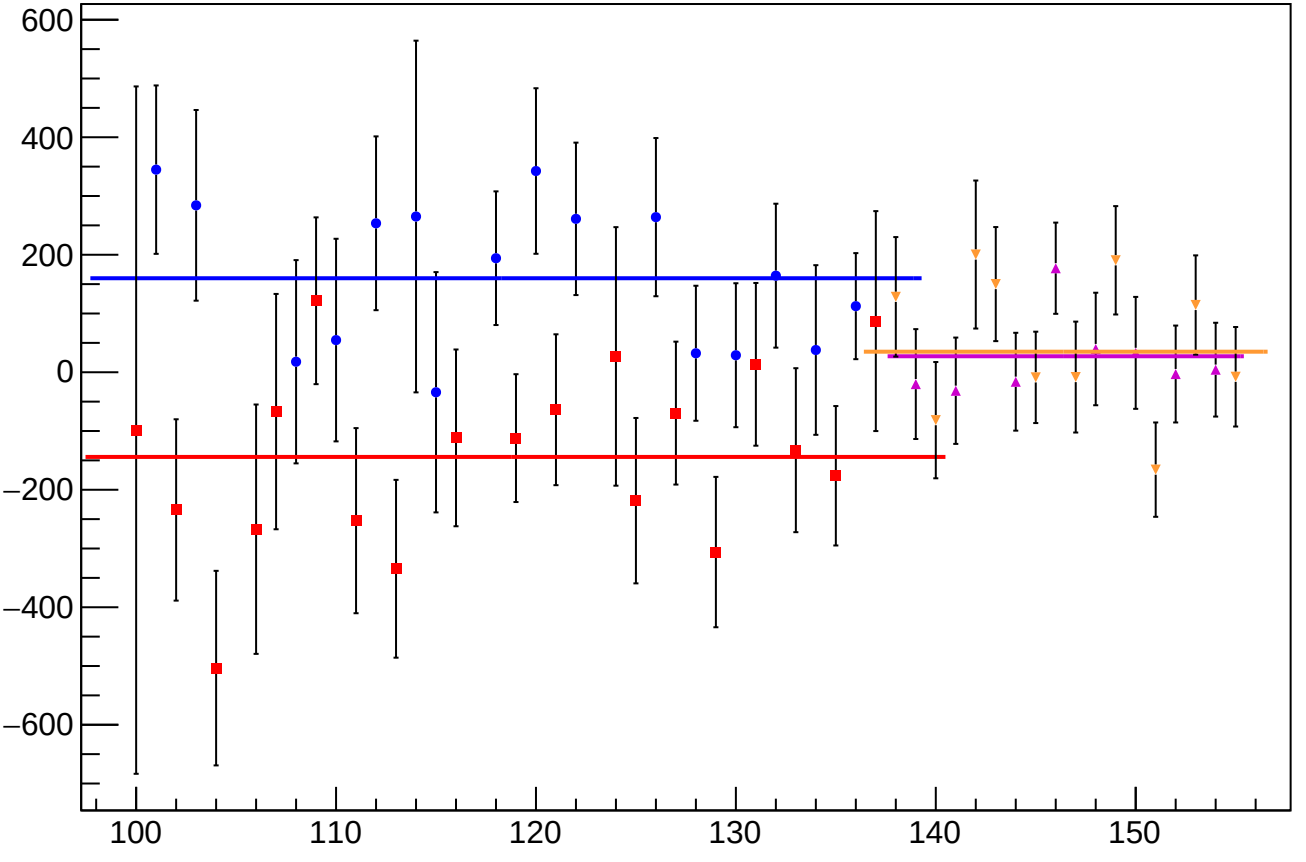
Left In: 0.000+/-0.000 χ^2/NDF:528427.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 4902968.1/25

All: 0.000+/-0.000 χ^2/NDF: 8700885.6/52

- sign 0.000+/-0.000 χ^2/NDF: 3705572.3/26

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 35.006+/-28.895 χ^2/NDF:16.1/9

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

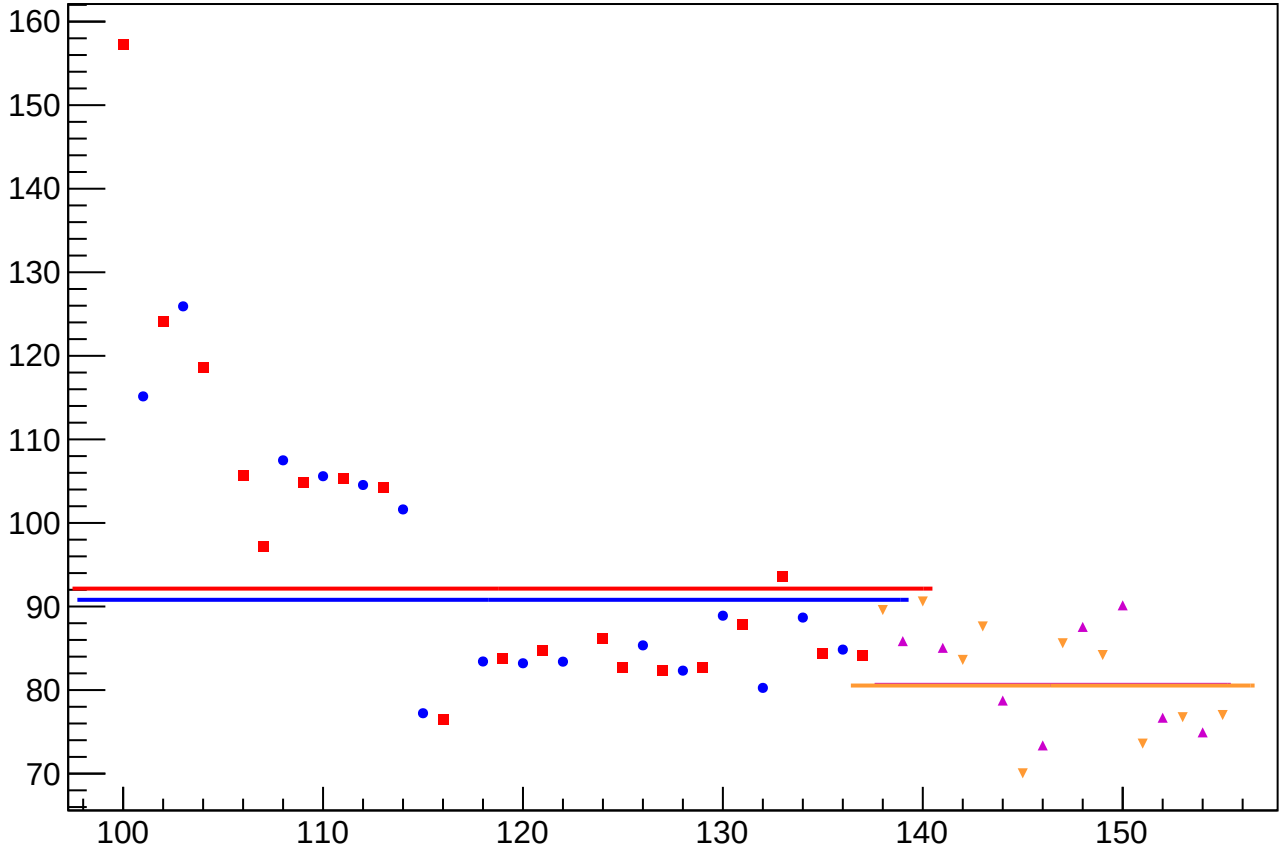
Left In: 27.228+/-30.573 χ^2/NDF:4.9/7

+ sign 87.132+/-22.064 χ^2/NDF: 35.0/25

All: 21.364+/-15.855 χ^2/NDF: 89.6/52

- sign -48.848+/-22.797 χ^2/NDF: 36.3/26

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 80.543+/-0.020 χ^2/NDF:116116.1/9

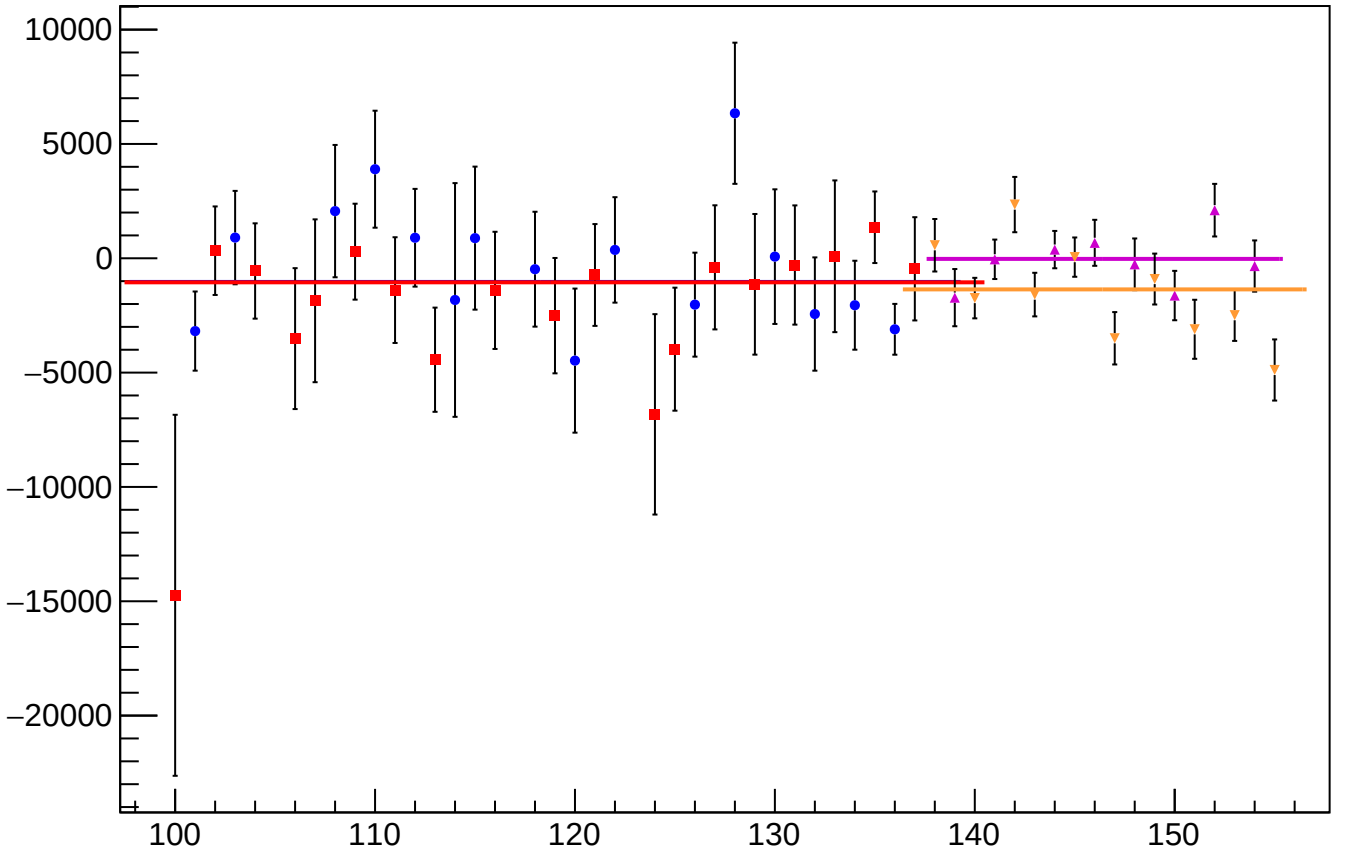
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.626+/-0.022 χ^2/NDF:74653.0/7

+ sign 84.820+/-0.016 χ^2/NDF: 493989.9/25

All: 85.265+/-0.011 χ^2/NDF: 998314.0/52

- sign 85.739+/-0.016 χ^2/NDF: 502647.1/26



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1360.789+/-339.220 χ^2/NDF:28.6/9

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

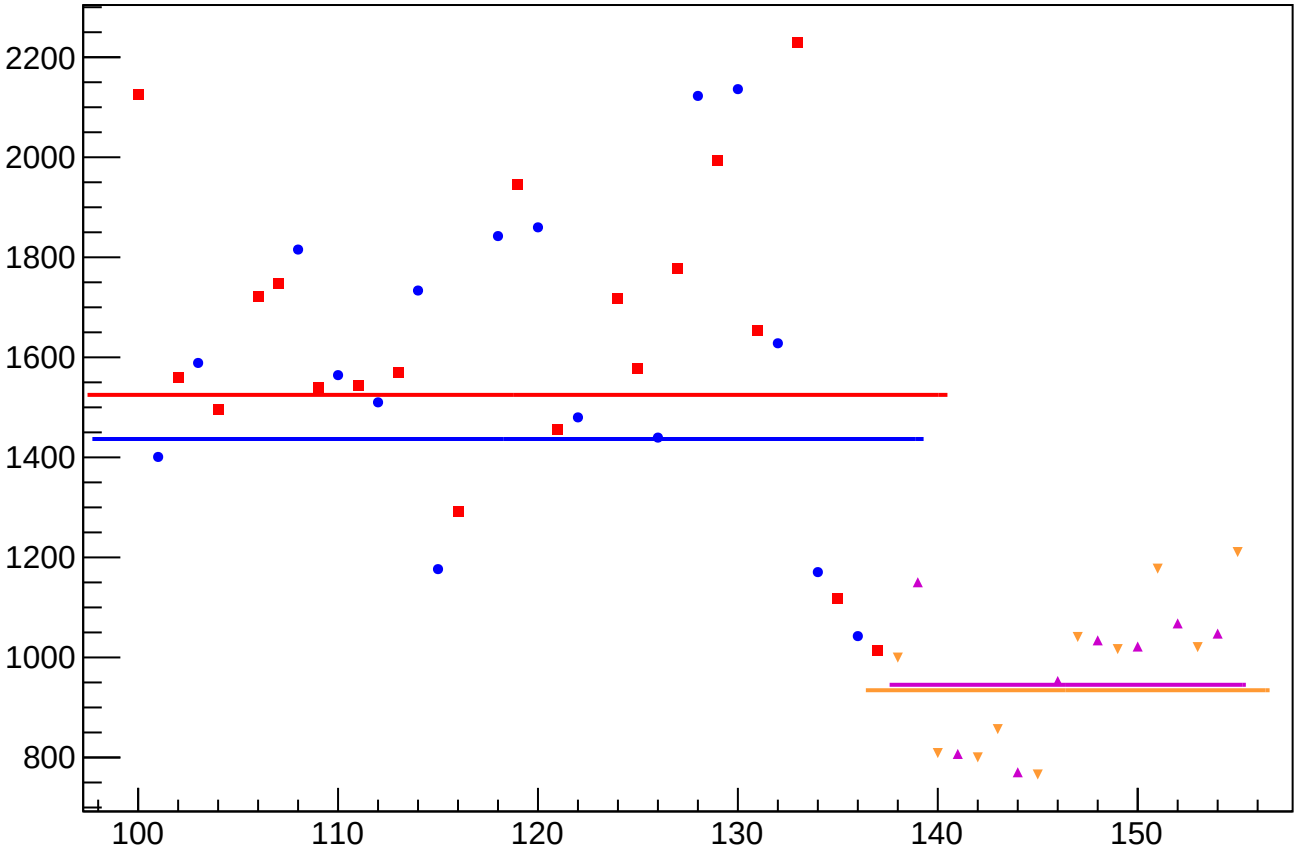
Left In: -27.133+/-361.213 χ^2/NDF:8.3/7

+ sign -1271.069+/-288.751 χ^2/NDF: 49.1/25

All: -822.130+/-209.669 χ^2/NDF: 77.7/52

- sign -321.426+/-304.945 χ^2/NDF: 23.5/26

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 934.443+/-0.240 χ^2/NDF:357626.3/9

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

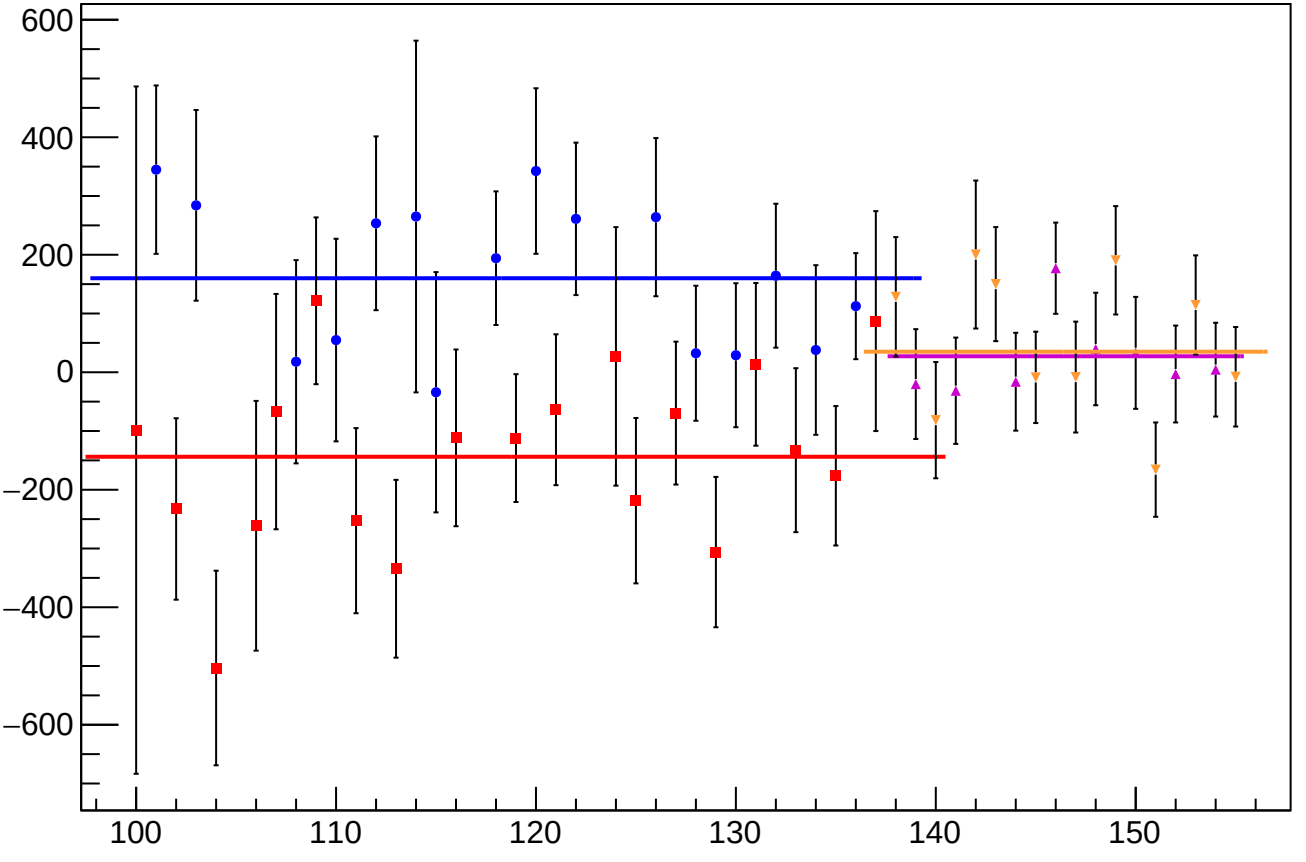
Left In: 945.352+/-0.255 χ^2/NDF:258775.5/7

+ sign 1072.784+/-0.204 χ^2/NDF: 2241044.8/25

All: 1091.259+/-0.148 χ^2/NDF: 4501089.1/52

- sign 1111.865+/-0.216 χ^2/NDF: 2242724.7/26

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 35.009+/-28.895 χ^2/NDF:16.1/9

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

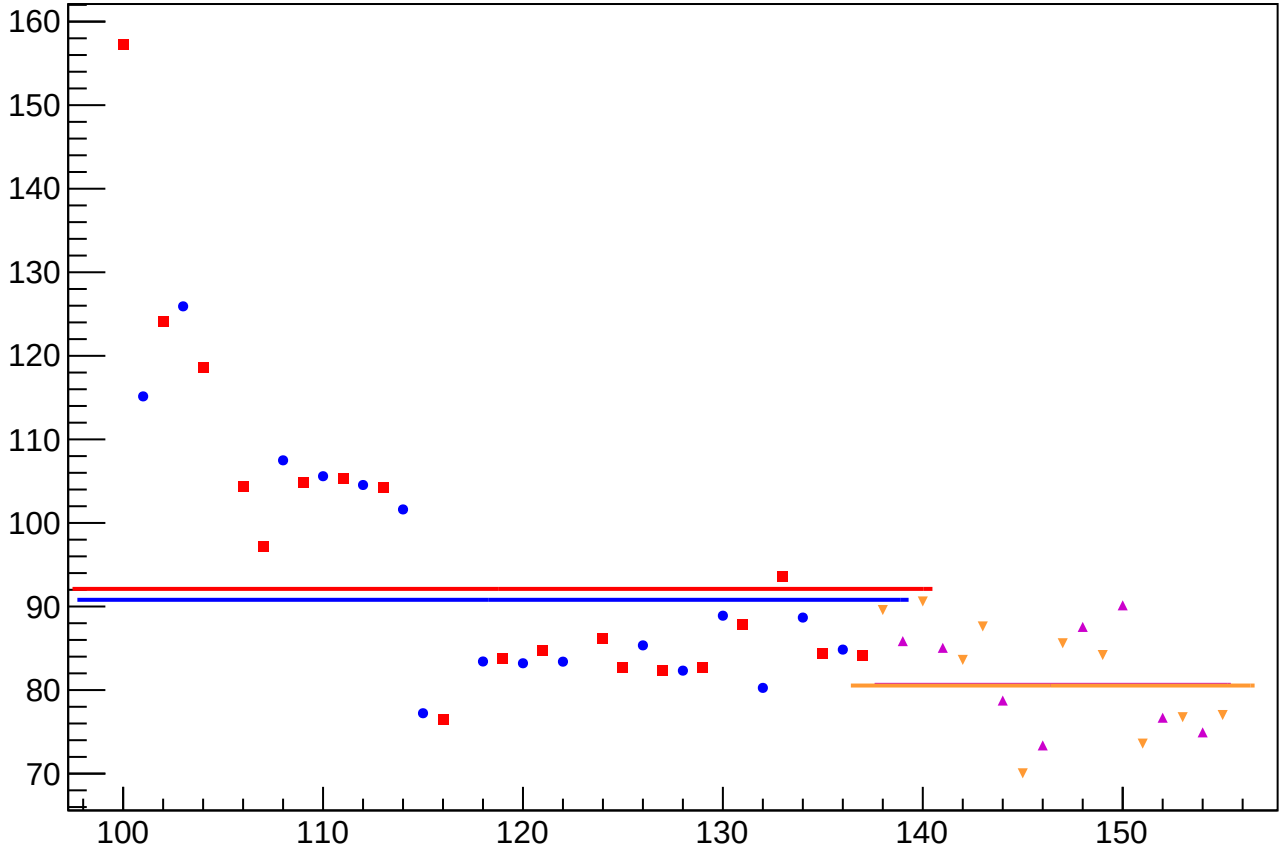
Left In: 27.229+/-30.573 χ^2/NDF:4.9/7

+ sign 87.132+/-22.064 χ^2/NDF: 35.0/25

All: 21.424+/-15.855 χ^2/NDF: 89.5/52

- sign -48.729+/-22.798 χ^2/NDF: 36.2/26

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.543+/-0.020 χ^2/NDF:116116.1/9

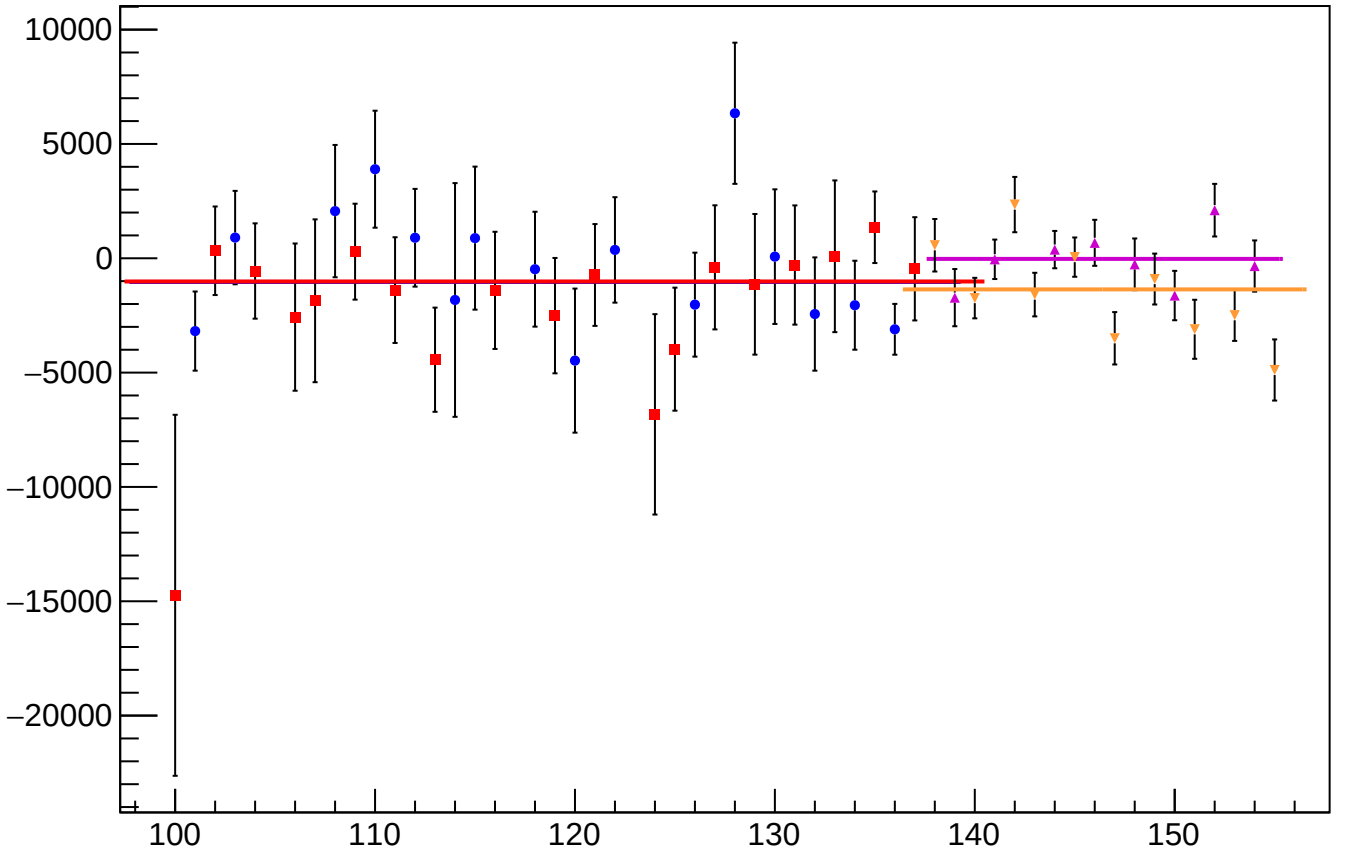
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.626+/-0.022 χ^2/NDF:74653.0/7

+ sign 84.820+/-0.016 χ^2/NDF: 493991.9/25

All: 85.257+/-0.011 χ^2/NDF: 996265.6/52

- sign 85.724+/-0.016 χ^2/NDF: 500651.4/26



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1360.782+/-339.220 χ^2/NDF:28.6/9

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

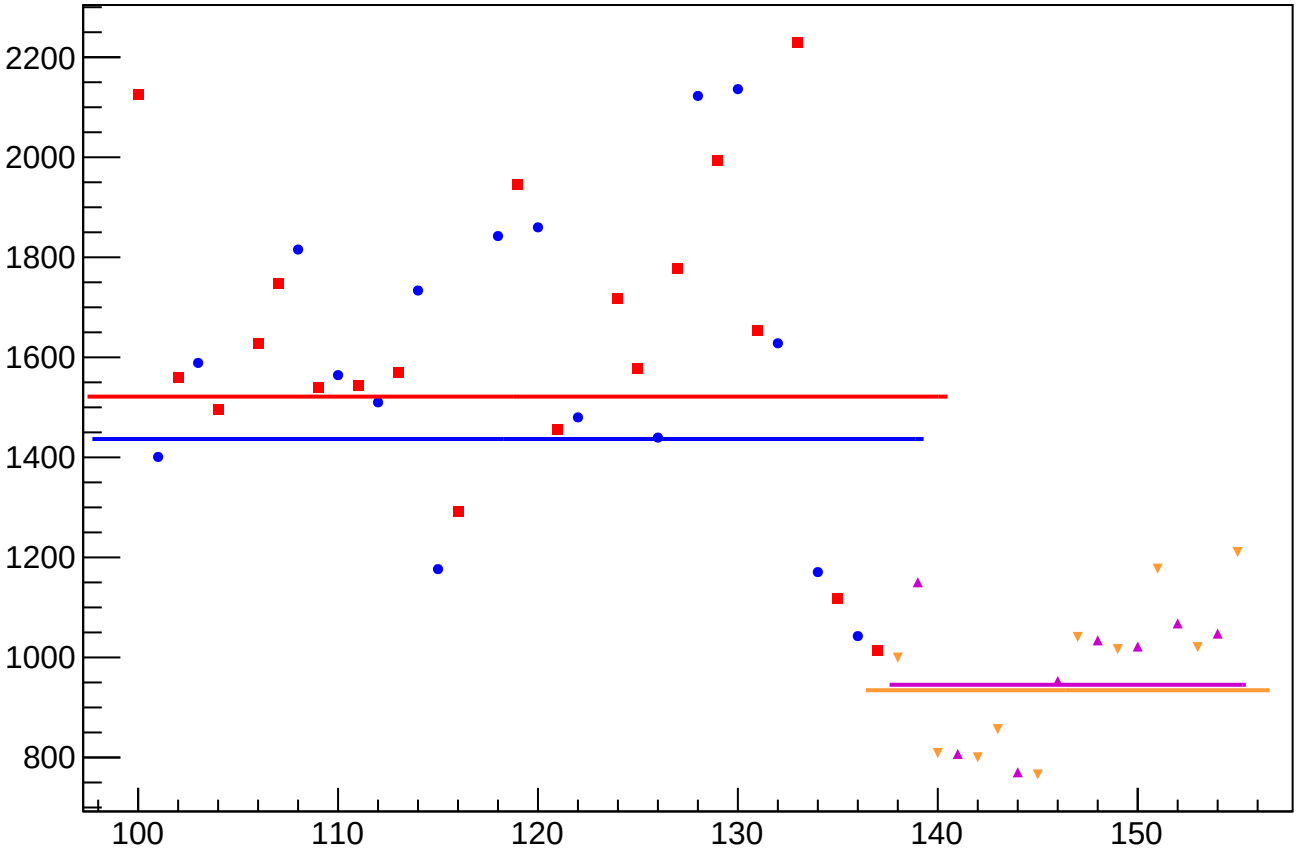
Left In: -27.136+/-361.214 χ^2/NDF:8.3/7

+ sign -1271.058+/-288.752 χ^2/NDF: 49.1/25

All: -817.139+/-209.711 χ^2/NDF: 77.3/52

- sign -310.453+/-305.074 χ^2/NDF: 22.9/26

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 934.442+/-0.240 χ^2/NDF:357627.3/9

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

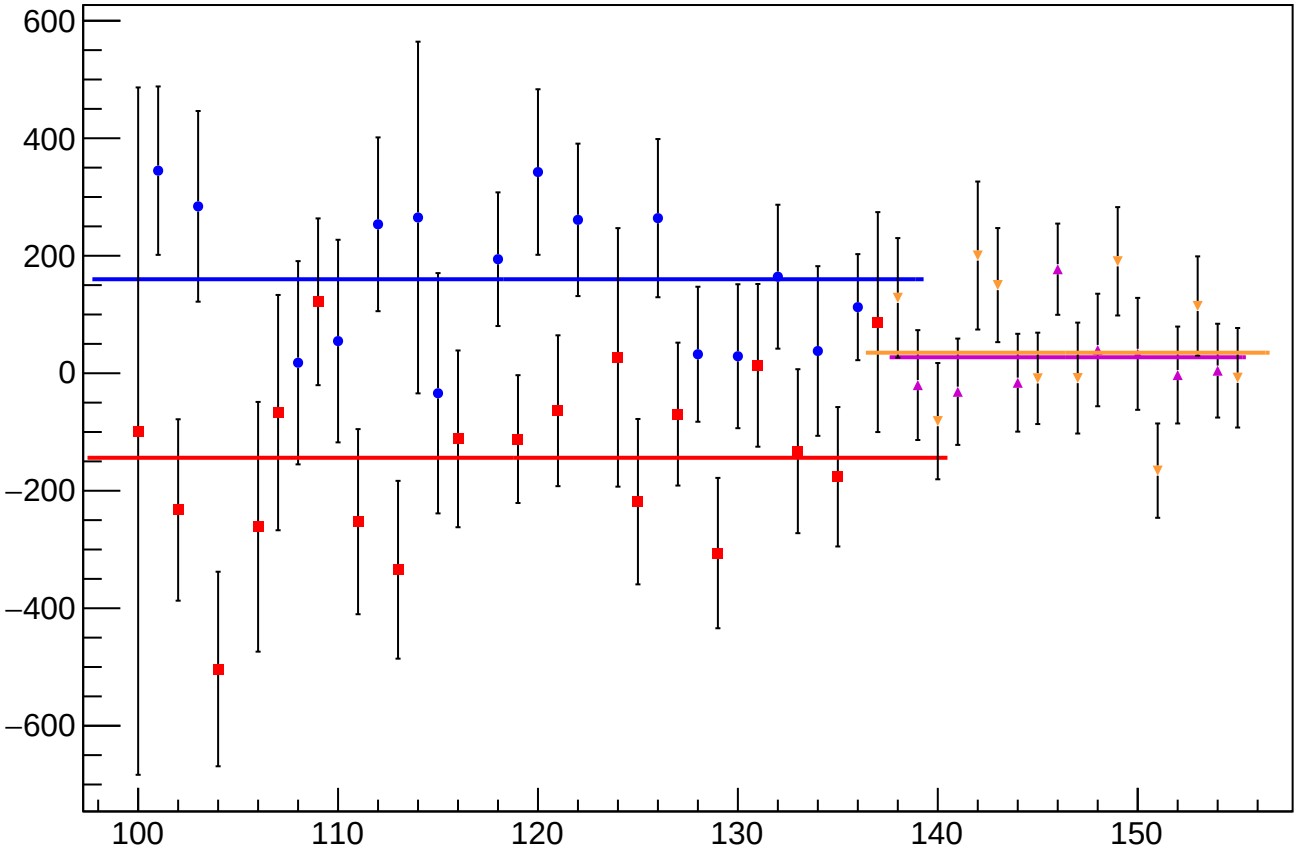
Left In: 945.352+/-0.255 χ^2/NDF:258775.9/7

+ sign 1072.784+/-0.204 χ^2/NDF: 2241068.4/25

All: 1090.618+/-0.148 χ^2/NDF: 4473066.1/52

- sign 1110.524+/-0.216 χ^2/NDF: 2215853.3/26

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 35.009+/-28.895 χ^2/NDF:16.1/9

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

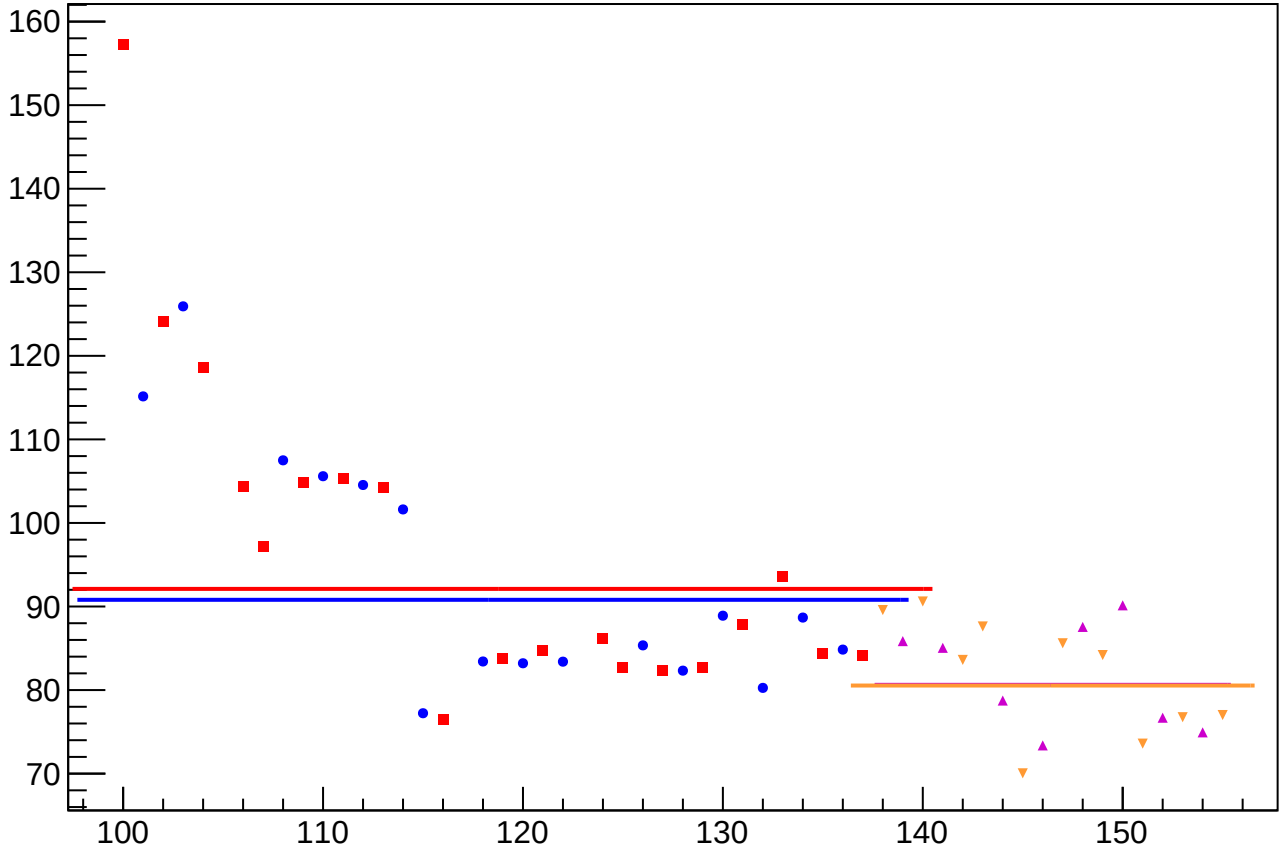
Left In: 27.229+/-30.573 χ^2/NDF:4.9/7

+ sign 87.132+/-22.064 χ^2/NDF: 35.0/25

All: 21.424+/-15.855 χ^2/NDF: 89.5/52

- sign -48.729+/-22.798 χ^2/NDF: 36.2/26

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.543+/-0.020 χ^2/NDF:116116.1/9

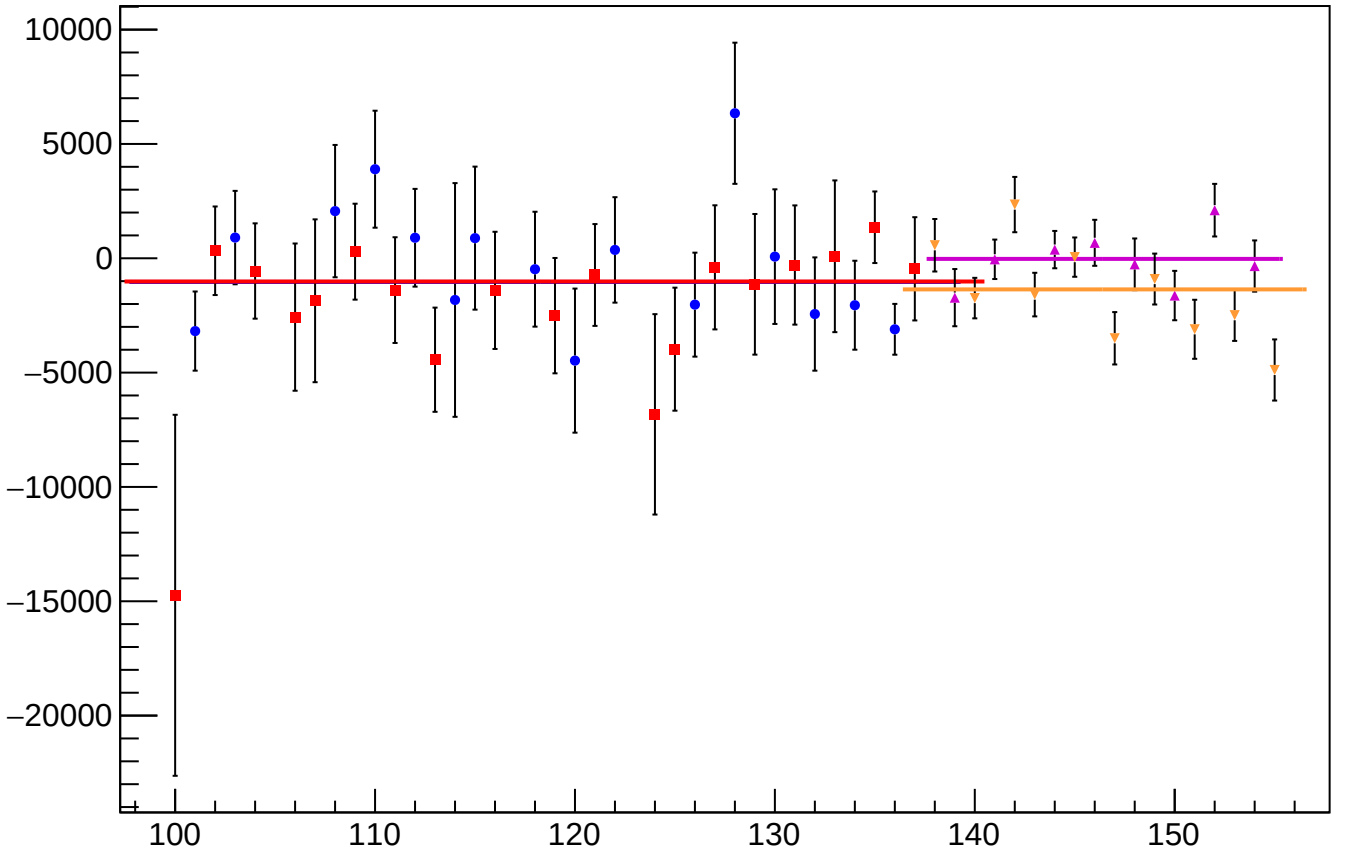
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.626+/-0.022 χ^2/NDF:74653.0/7

+ sign 84.820+/-0.016 χ^2/NDF: 493991.9/25

All: 85.257+/-0.011 χ^2/NDF: 996265.6/52

- sign 85.724+/-0.016 χ^2/NDF: 500651.4/26



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1360.782+/-339.220 χ^2/NDF:28.6/9

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

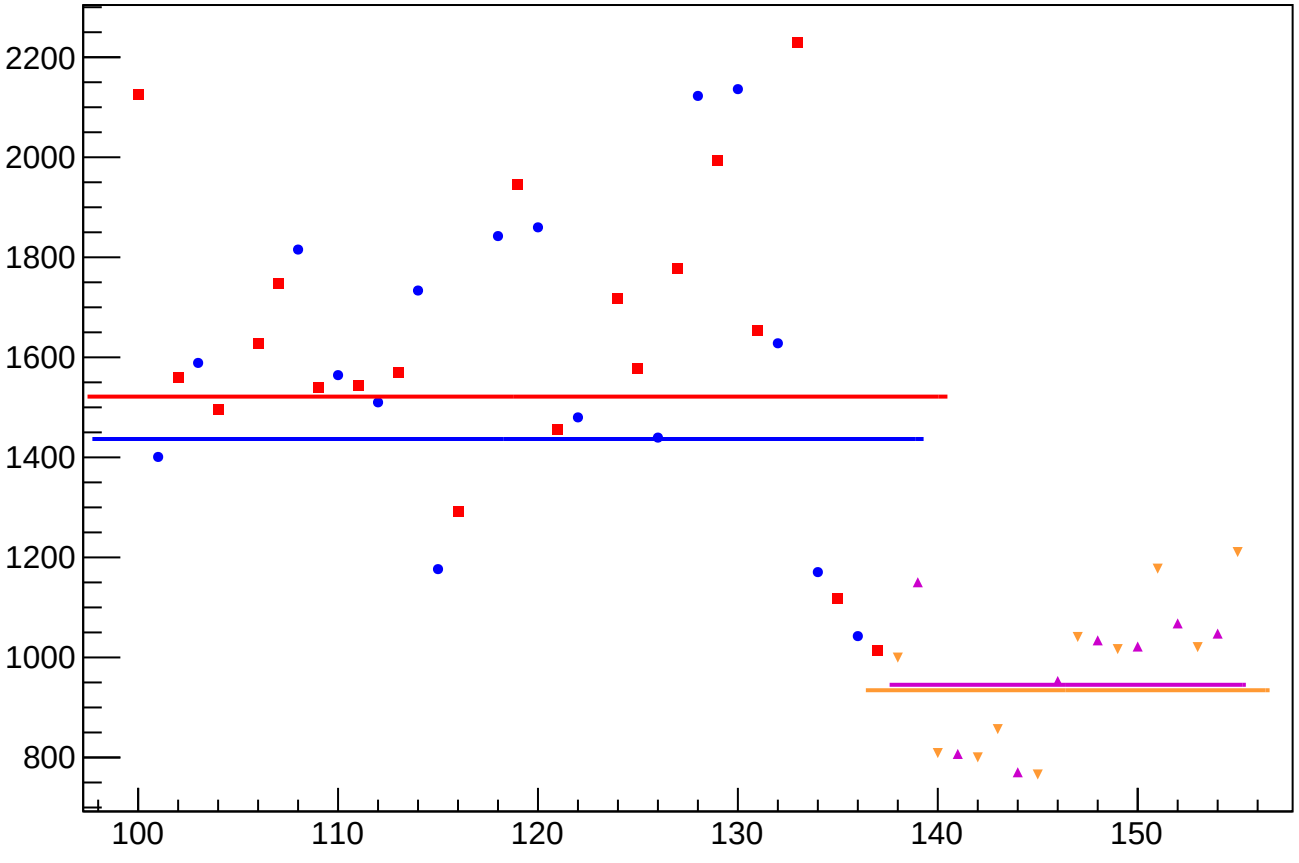
Left In: -27.136+/-361.214 χ^2/NDF:8.3/7

+ sign -1271.058+/-288.752 χ^2/NDF: 49.1/25

All: -817.139+/-209.711 χ^2/NDF: 77.3/52

- sign -310.453+/-305.074 χ^2/NDF: 22.9/26

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 934.442+/-0.240 χ^2/NDF:357627.3/9

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

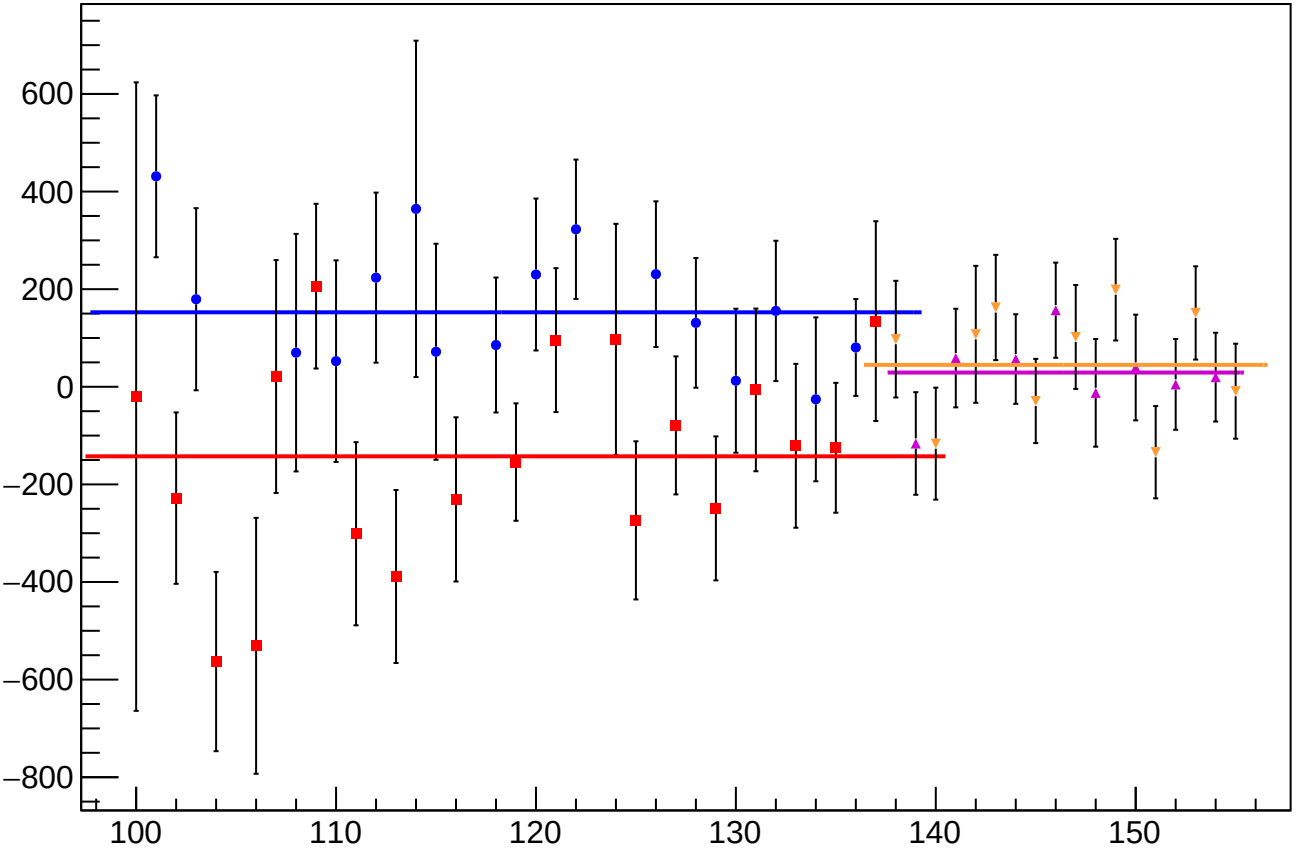
Left In: 945.352+/-0.255 χ^2/NDF:258775.9/7

+ sign 1072.784+/-0.204 χ^2/NDF: 2241068.4/25

All: 1090.618+/-0.148 χ^2/NDF: 4473066.1/52

- sign 1110.524+/-0.216 χ^2/NDF: 2215853.3/26

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.869+/-32.889 χ^2/NDF:11.9/9

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

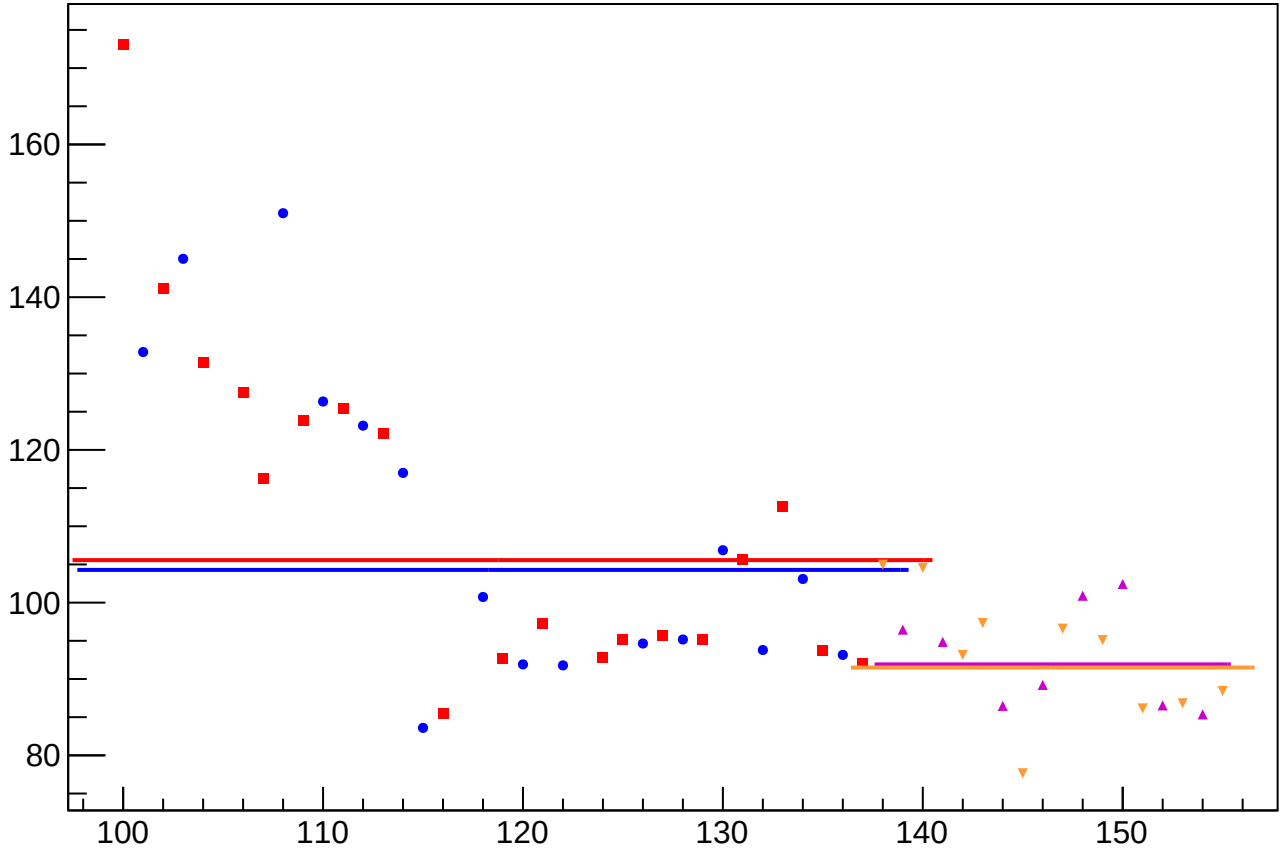
Left In: 29.174+/-35.004 χ^2/NDF:4.0/7

+ sign 89.059+/-25.261 χ^2/NDF: 24.9/25

All: 23.538+/-18.169 χ^2/NDF: 76.5/52

- sign -46.682+/-26.151 χ^2/NDF: 37.6/26

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 91.500+/-0.023 χ^2/NDF:129178.7/9

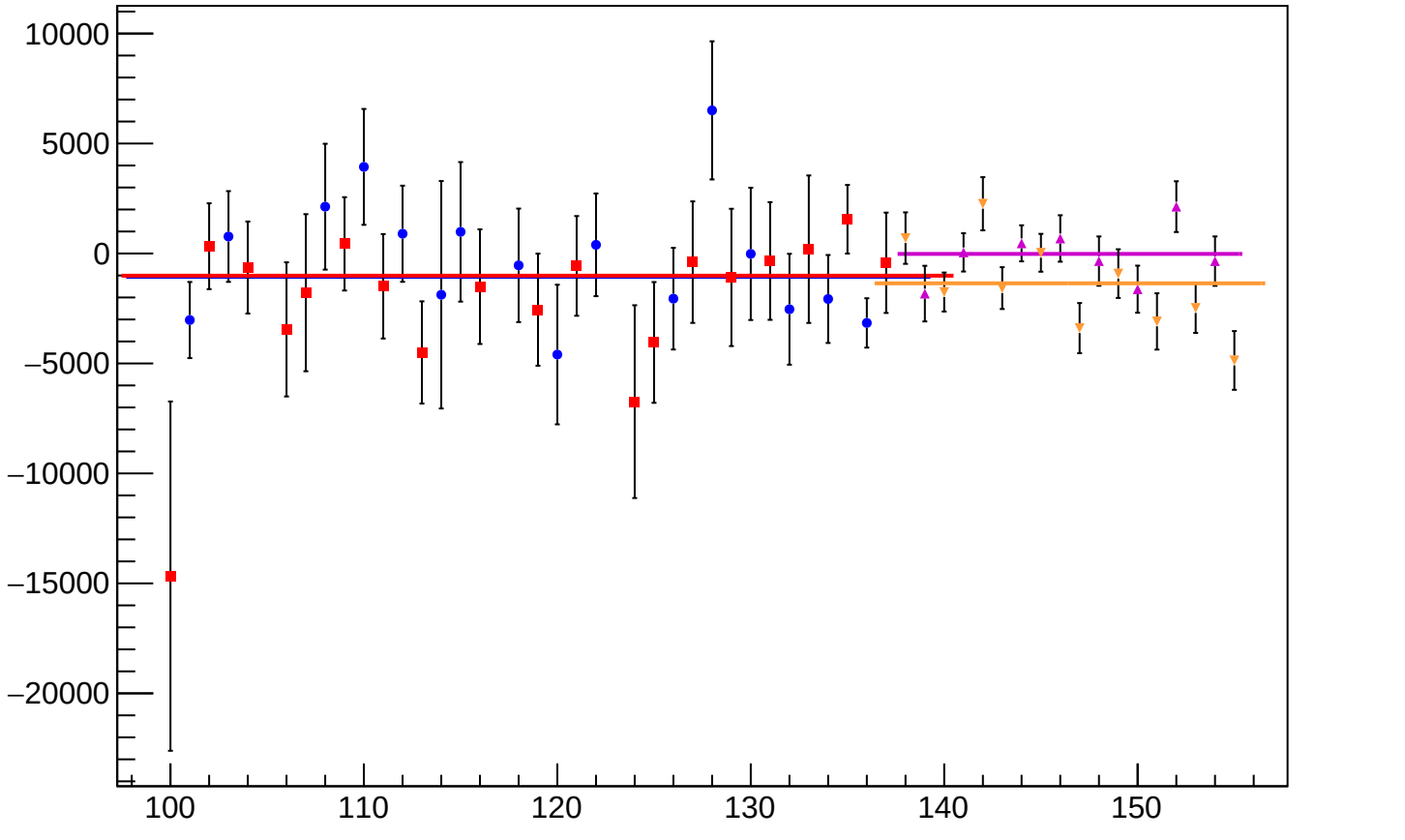
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.910+/-0.025 χ^2/NDF:63175.8/7

+ sign 96.743+/-0.018 χ^2/NDF: 631450.4/25

All: 97.324+/-0.013 χ^2/NDF: 1175960.8/52

- sign 97.945+/-0.018 χ^2/NDF: 542325.4/26



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1356.916+/-339.349 χ^2/NDF:28.0/9

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

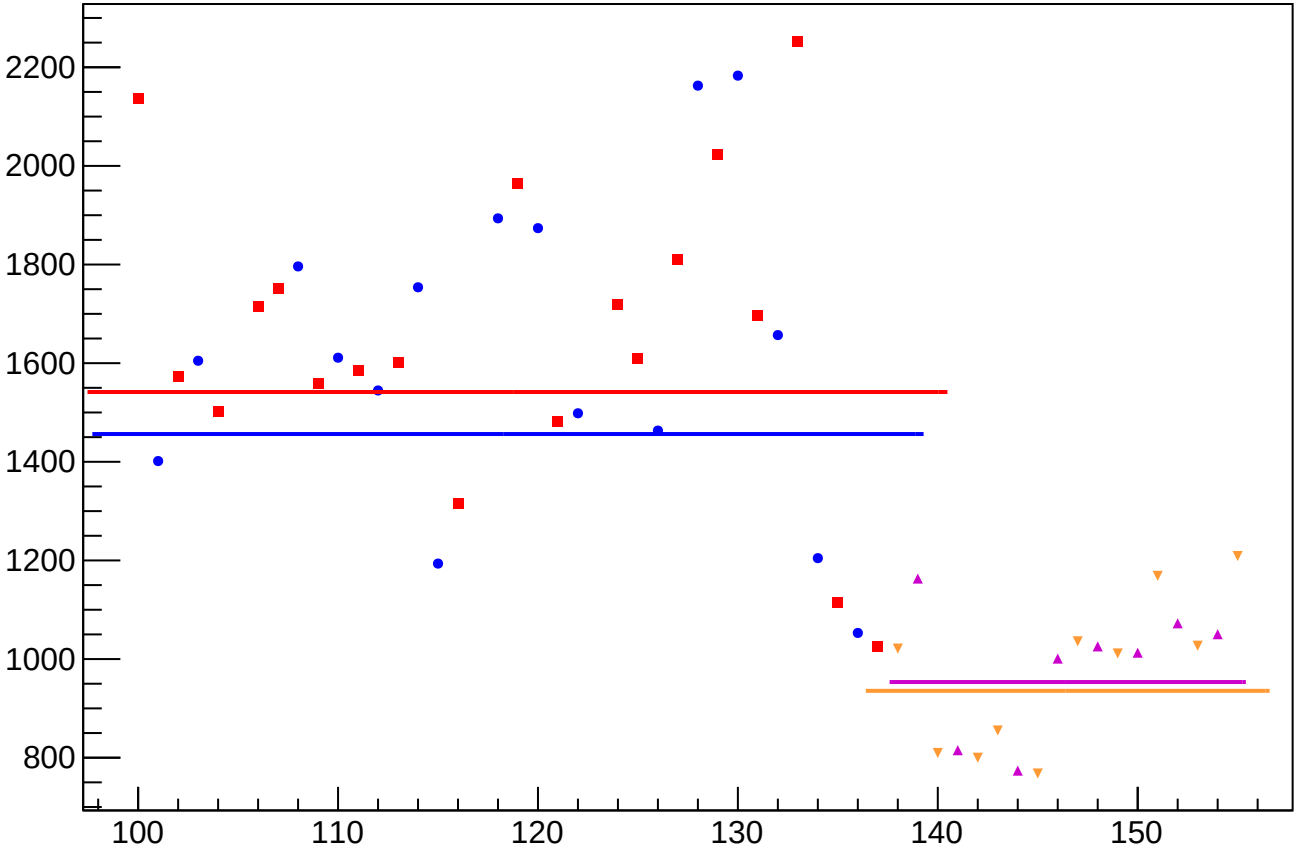
Left In: -19.504+/-364.140 χ^2/NDF:8.7/7

+ sign -1276.503+/-289.891 χ^2/NDF: 48.2/25

All: -818.634+/-210.984 χ^2/NDF: 77.6/52

- sign -302.937+/-307.654 χ^2/NDF: 24.1/26

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 935.582+/-0.240 χ^2/NDF:354671.0/9

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

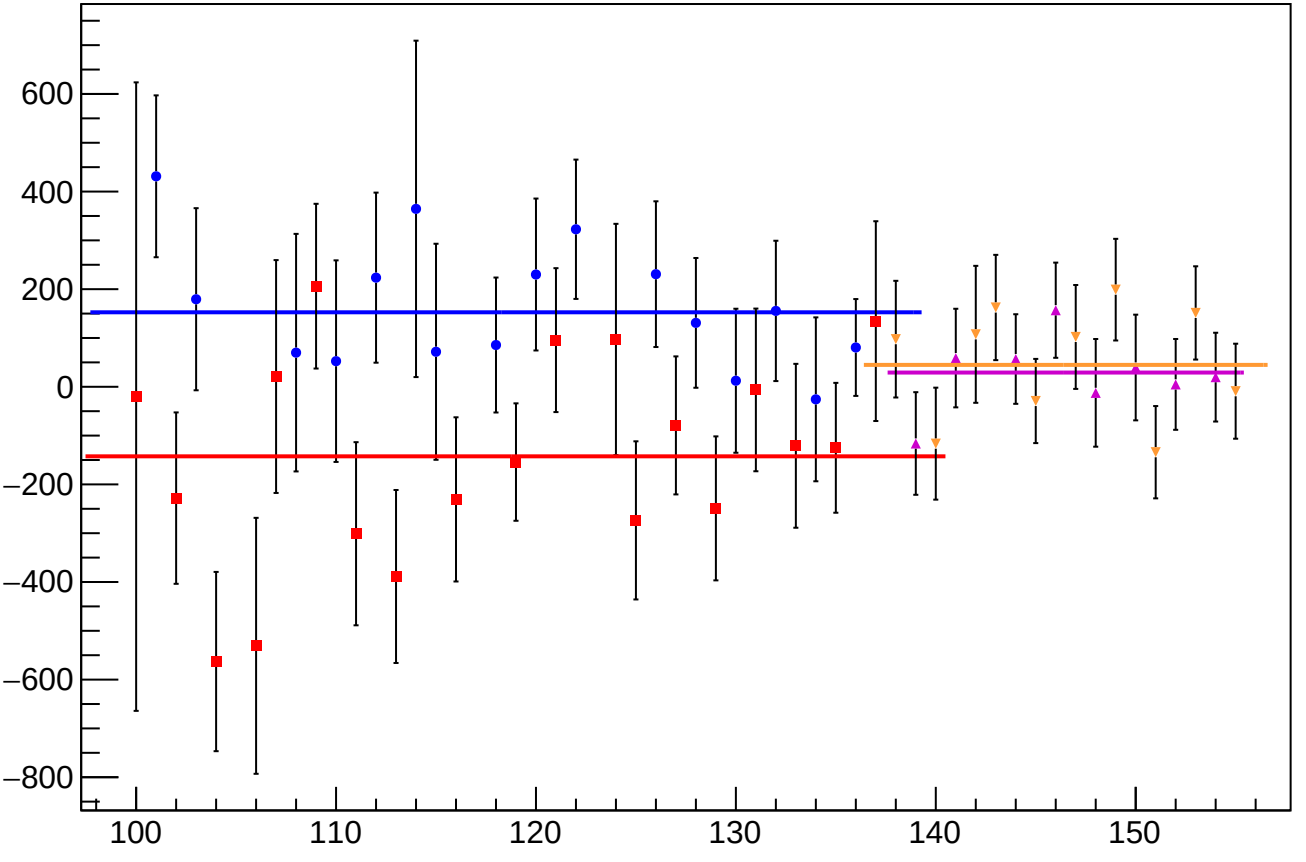
Left In: 953.420+/-0.257 χ^2/NDF:256246.9/7

+ sign 1076.303+/-0.205 χ^2/NDF: 2312112.2/25

All: 1097.664+/-0.149 χ^2/NDF: 4603711.6/52

- sign 1121.723+/-0.218 χ^2/NDF: 2268509.6/26

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.868+/-32.889 χ^2/NDF:11.9/9

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

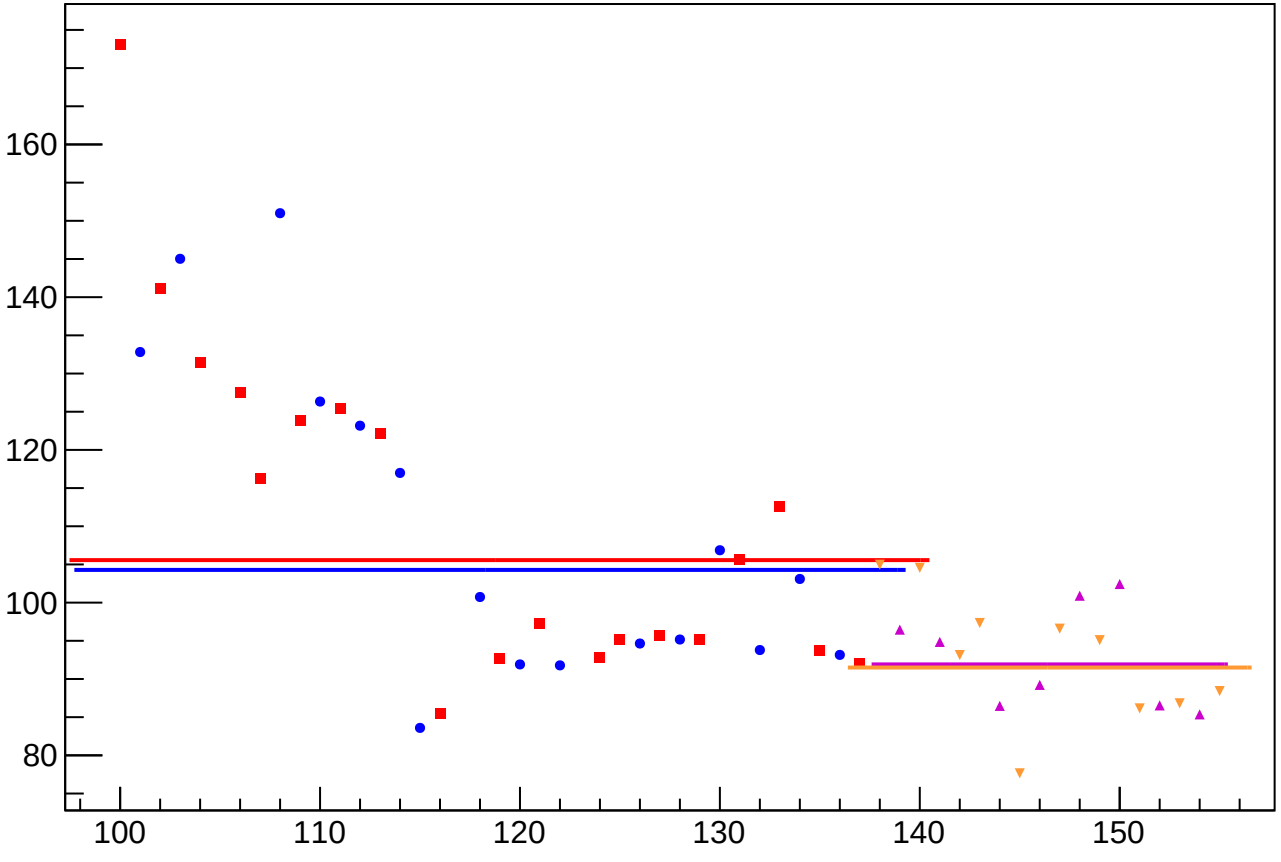
Left In: 29.173+/-35.004 χ^2/NDF:4.0/7

+ sign 89.060+/-25.261 χ^2/NDF: 24.9/25

All: 23.539+/-18.168 χ^2/NDF: 76.5/52

- sign -46.682+/-26.151 χ^2/NDF: 37.6/26

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 91.500+/-0.023 χ^2/NDF:129175.7/9

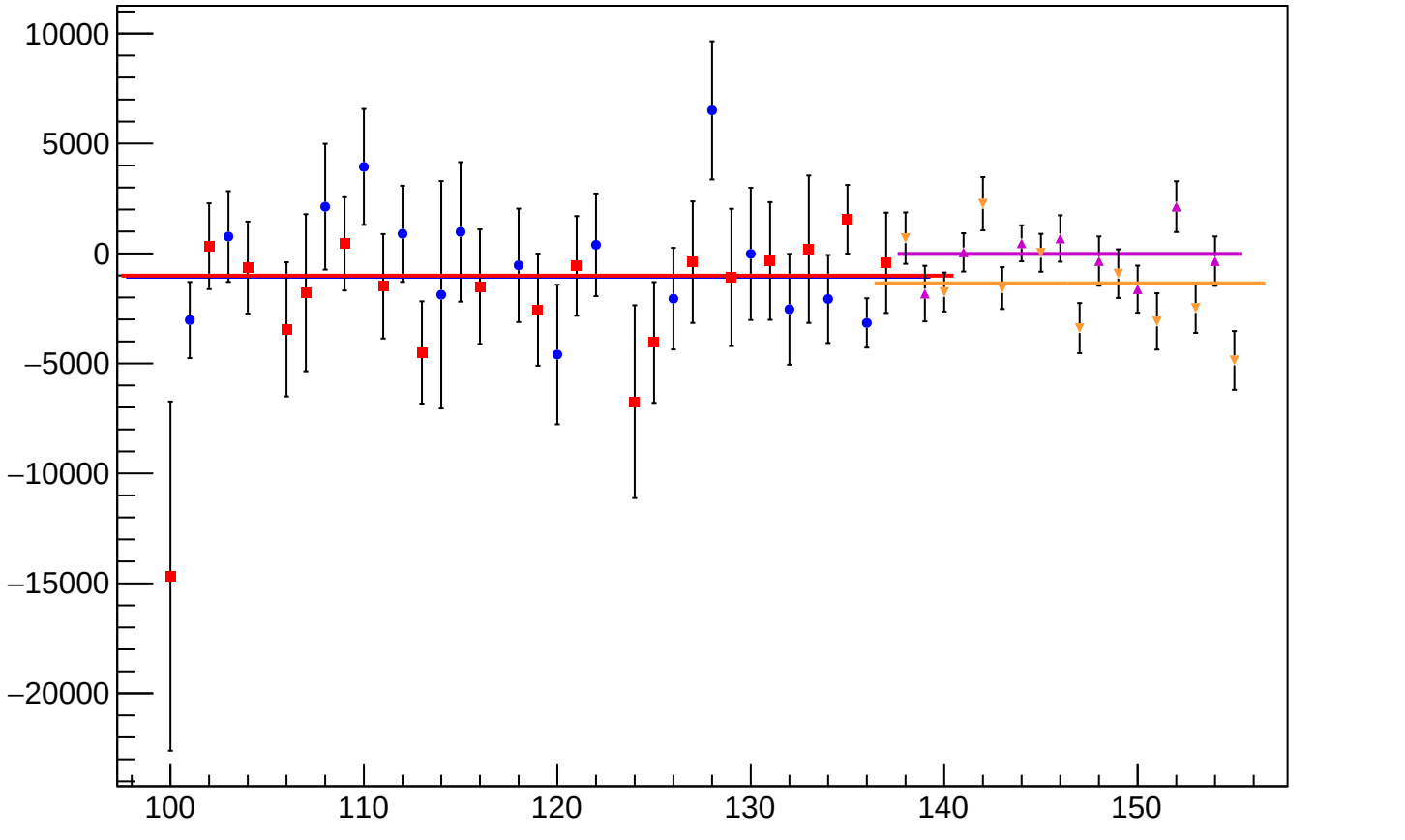
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.910+/-0.025 χ^2/NDF:63173.3/7

+ sign 96.743+/-0.018 χ^2/NDF: 631428.7/25

All: 97.323+/-0.013 χ^2/NDF: 1175921.1/52

- sign 97.945+/-0.018 χ^2/NDF: 542307.3/26



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1356.916+/-339.349 χ^2/NDF:28.0/9

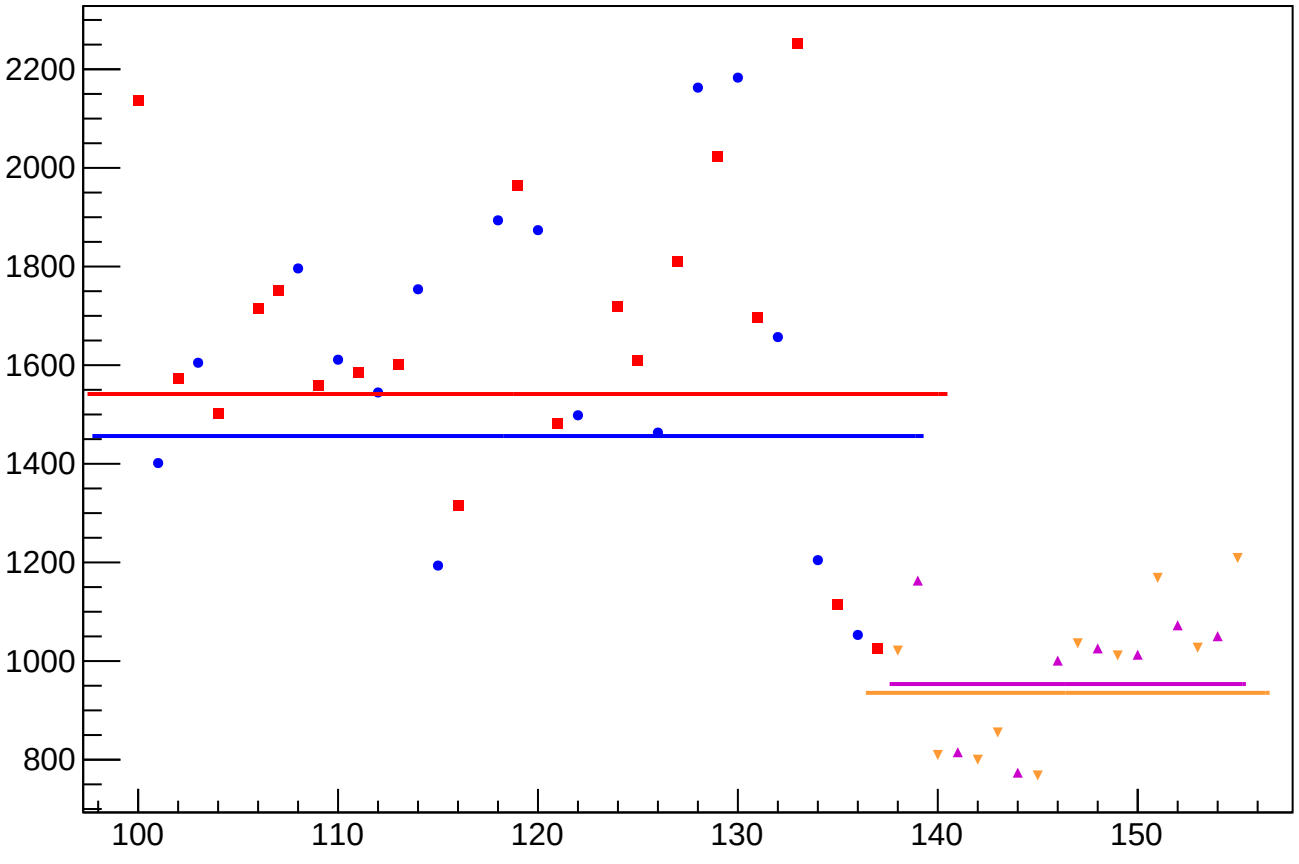
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -19.505+/-364.139 χ^2/NDF:8.7/7

+ sign -1276.501+/-289.891 χ^2/NDF: 48.2/25

All: -818.634+/-210.984 χ^2/NDF: 77.6/52

- sign -302.938+/-307.654 χ^2/NDF: 24.1/26



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 935.581+/-0.240 χ^2/NDF:354673.4/9

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

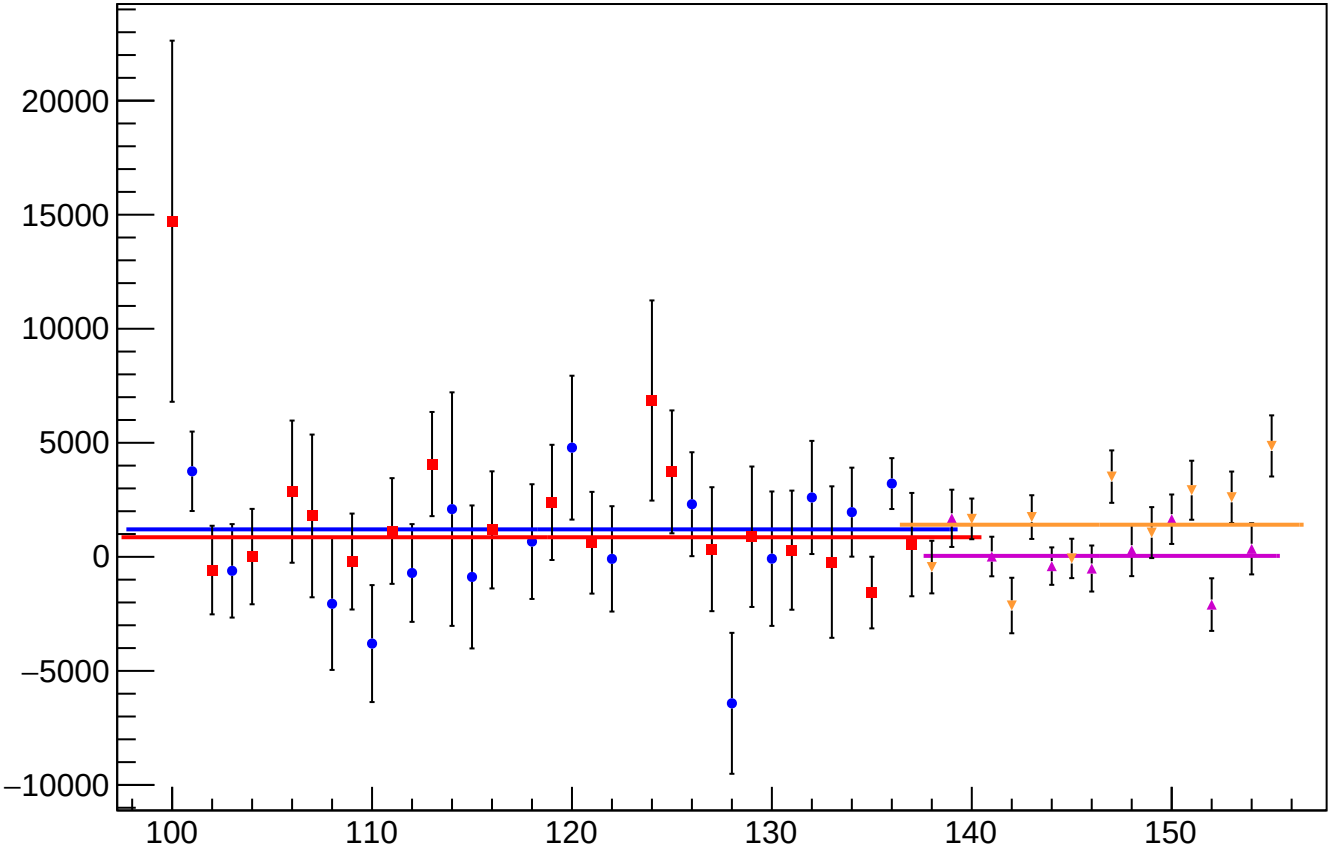
Left In: 953.419+/-0.257 χ^2/NDF:256247.2/7

+ sign 1076.302+/-0.205 χ^2/NDF: 2312108.0/25

All: 1097.663+/-0.149 χ^2/NDF: 4603701.1/52

- sign 1121.722+/-0.218 χ^2/NDF: 2268503.0/26

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1408.805+/-340.672 χ^2/NDF:26.8/9

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

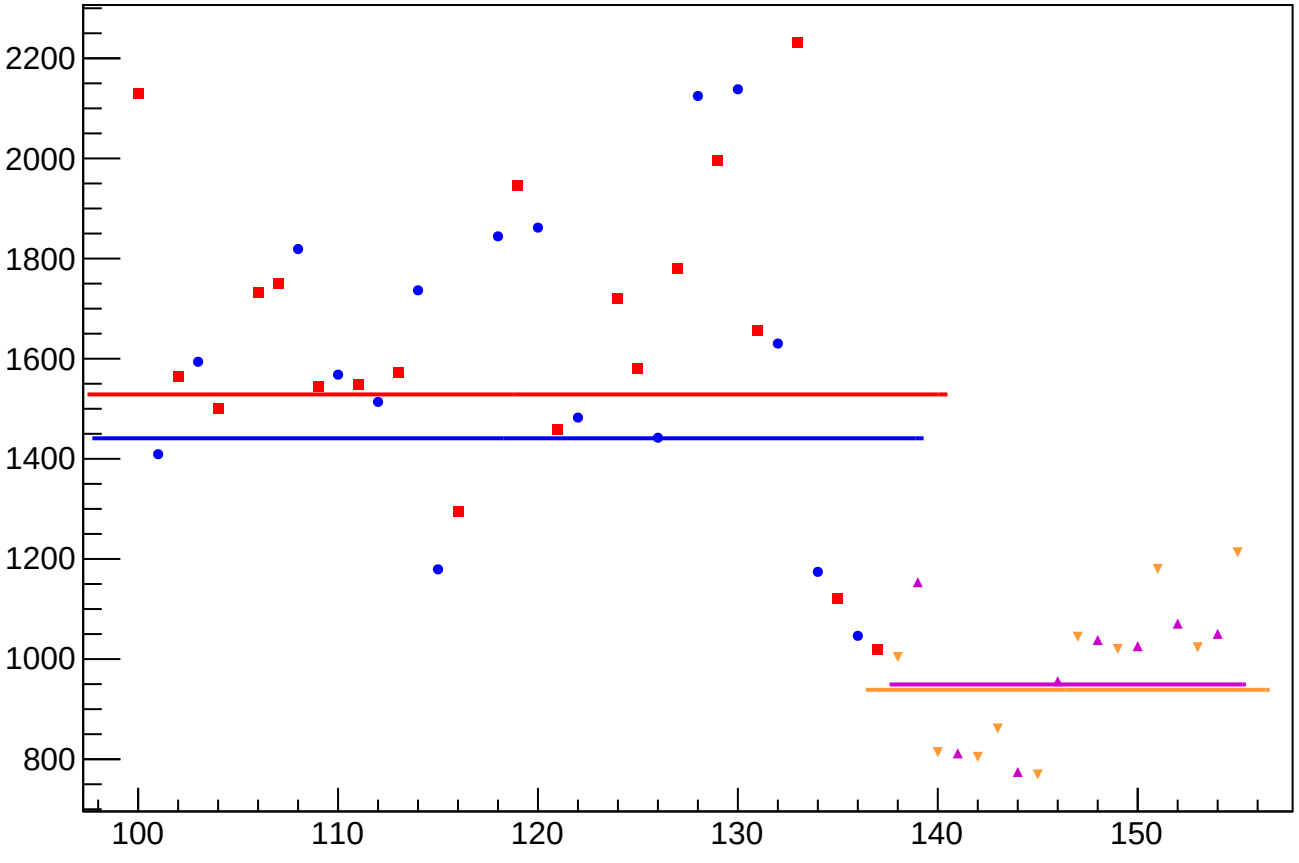
Left In: 42.295+/-362.672 χ^2/NDF:8.1/7

+ sign 1352.465+/-289.867 χ^2/NDF: 48.1/25

All: 844.147+/-210.454 χ^2/NDF: 76.6/52

- sign 277.501+/-306.047 χ^2/NDF: 22.0/26

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 938.681+/-0.241 χ^2/NDF:352117.4/9

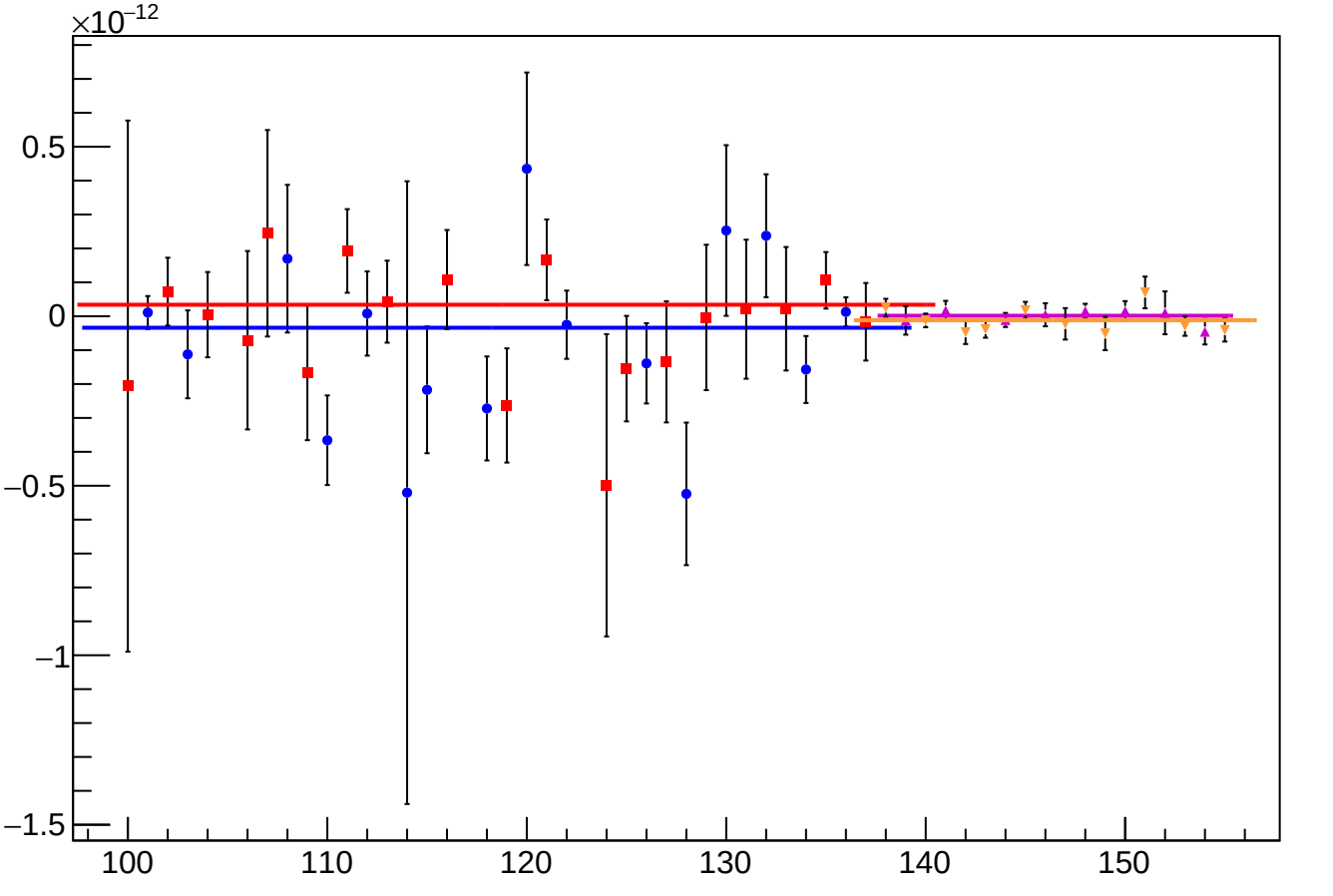
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 949.351+/-0.256 χ^2/NDF:254583.6/7

+ sign 1077.340+/-0.205 χ^2/NDF: 2223132.8/25

All: 1095.681+/-0.149 χ^2/NDF: 4465423.6/52

- sign 1116.127+/-0.216 χ^2/NDF: 2225357.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/9

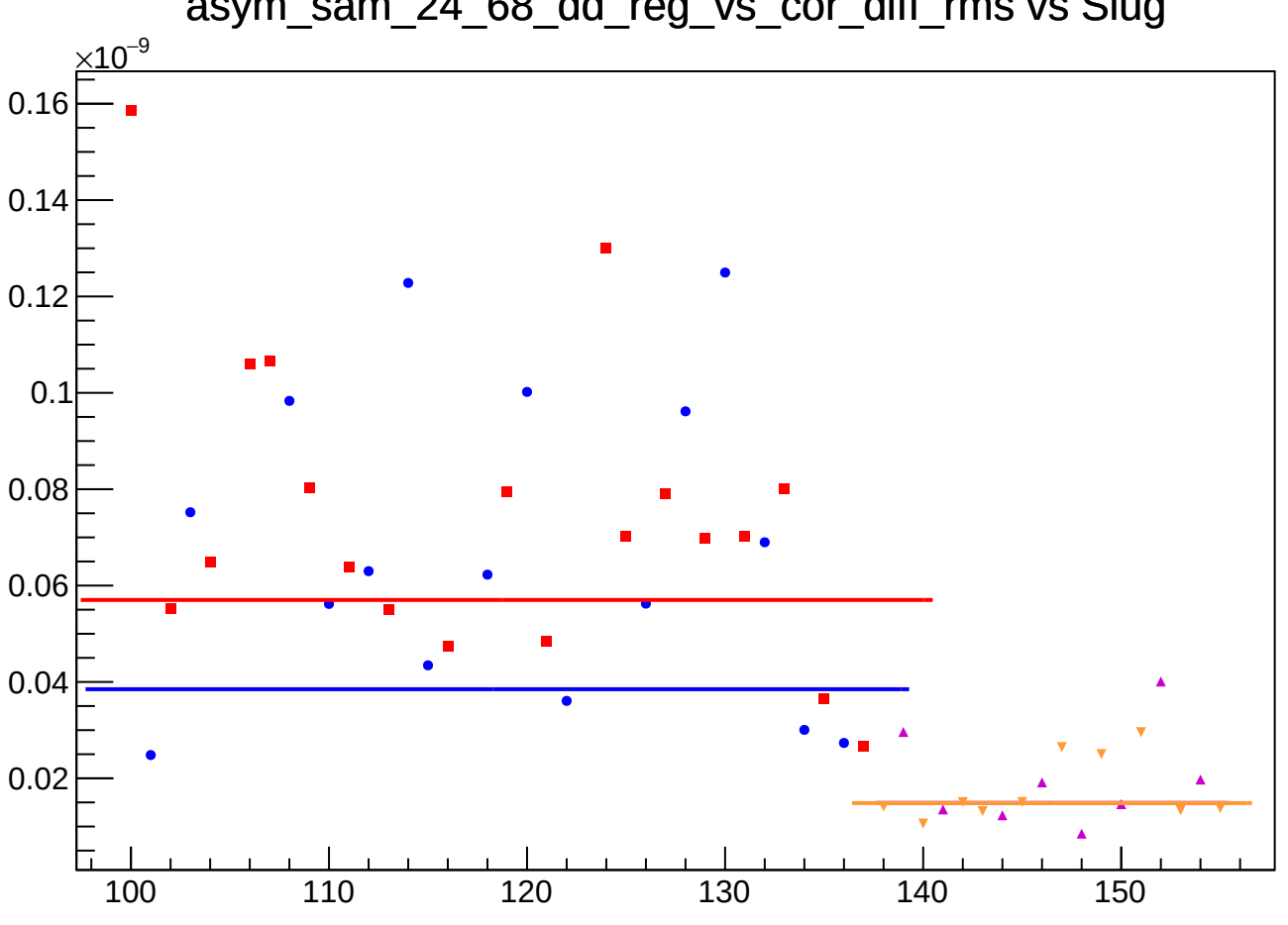
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/7

+ sign -0.000+/-0.000 χ^2/NDF: 38.5/25

All: -0.000+/-0.000 χ^2/NDF: 57.4/52

- sign 0.000+/-0.000 χ^2/NDF: 16.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:515158.4/9

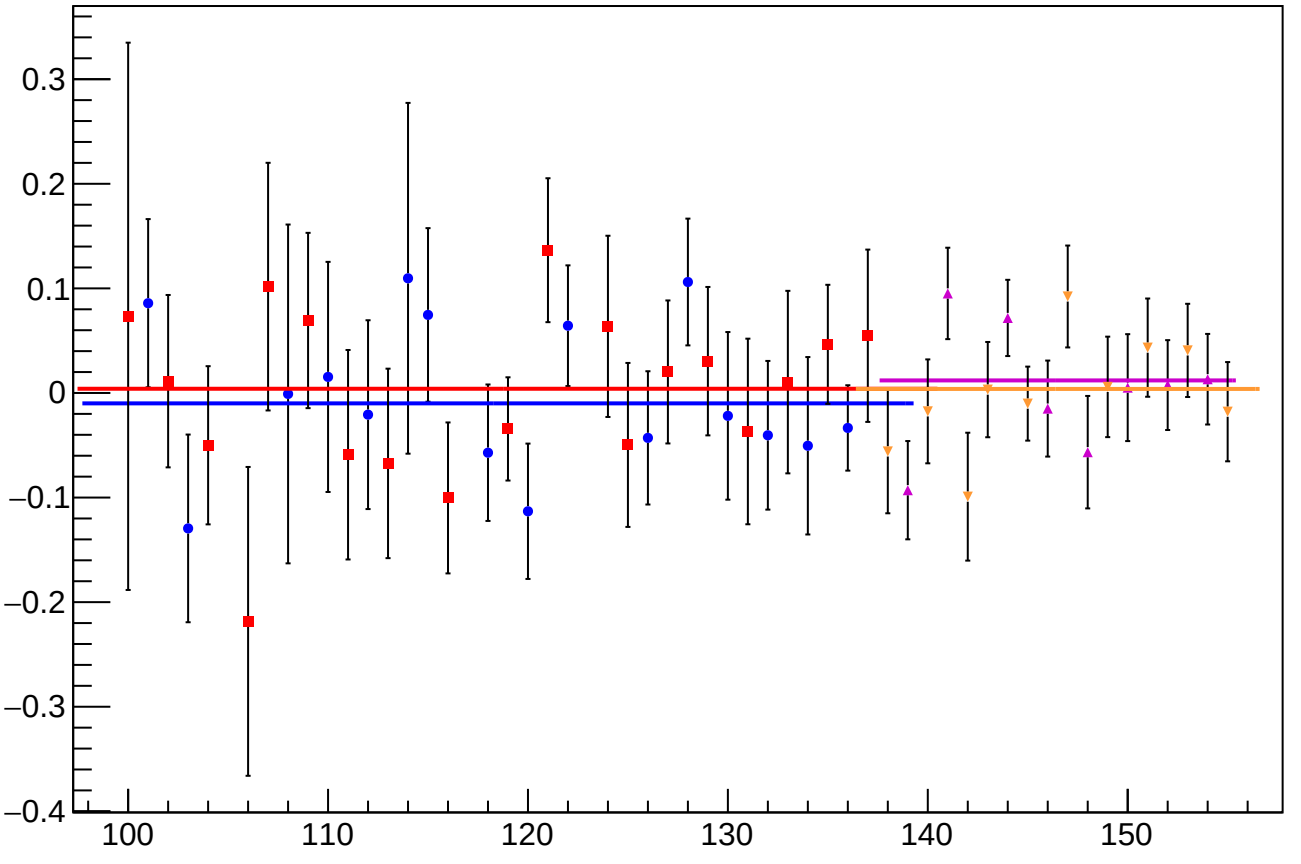
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:838672.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 3459499.6/25

All: 0.000+/-0.000 χ^2/NDF: 7804708.7/52

- sign 0.000+/-0.000 χ^2/NDF: 4338585.1/26



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.015 χ^2/NDF:9.1/9

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

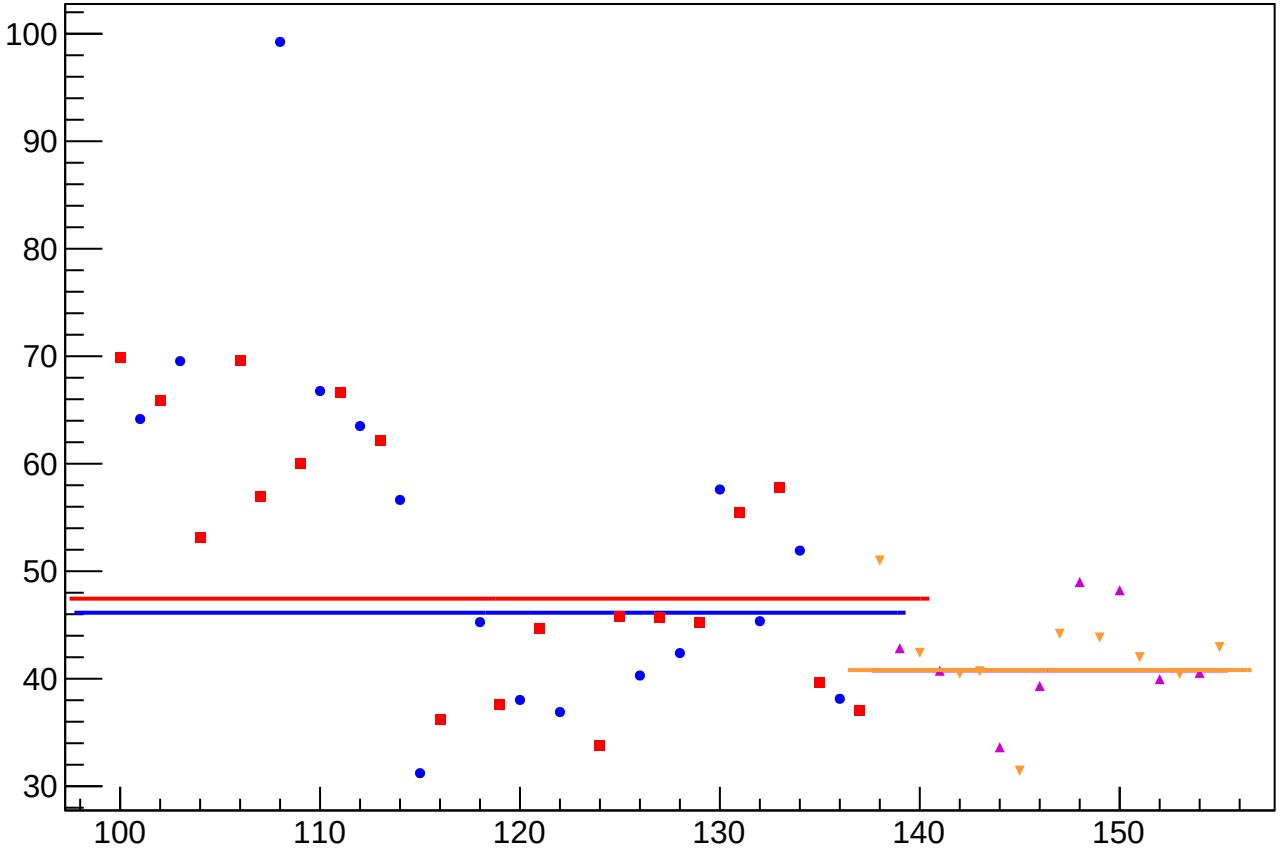
Left In: 0.012+/-0.016 χ^2/NDF:13.3/7

+ sign -0.002+/-0.011 χ^2/NDF: 23.7/25

All: 0.003+/-0.008 χ^2/NDF: 51.3/52

- sign 0.009+/-0.012 χ^2/NDF: 27.3/26

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: 40.805+/-0.011 χ^2/NDF:224437.1/9

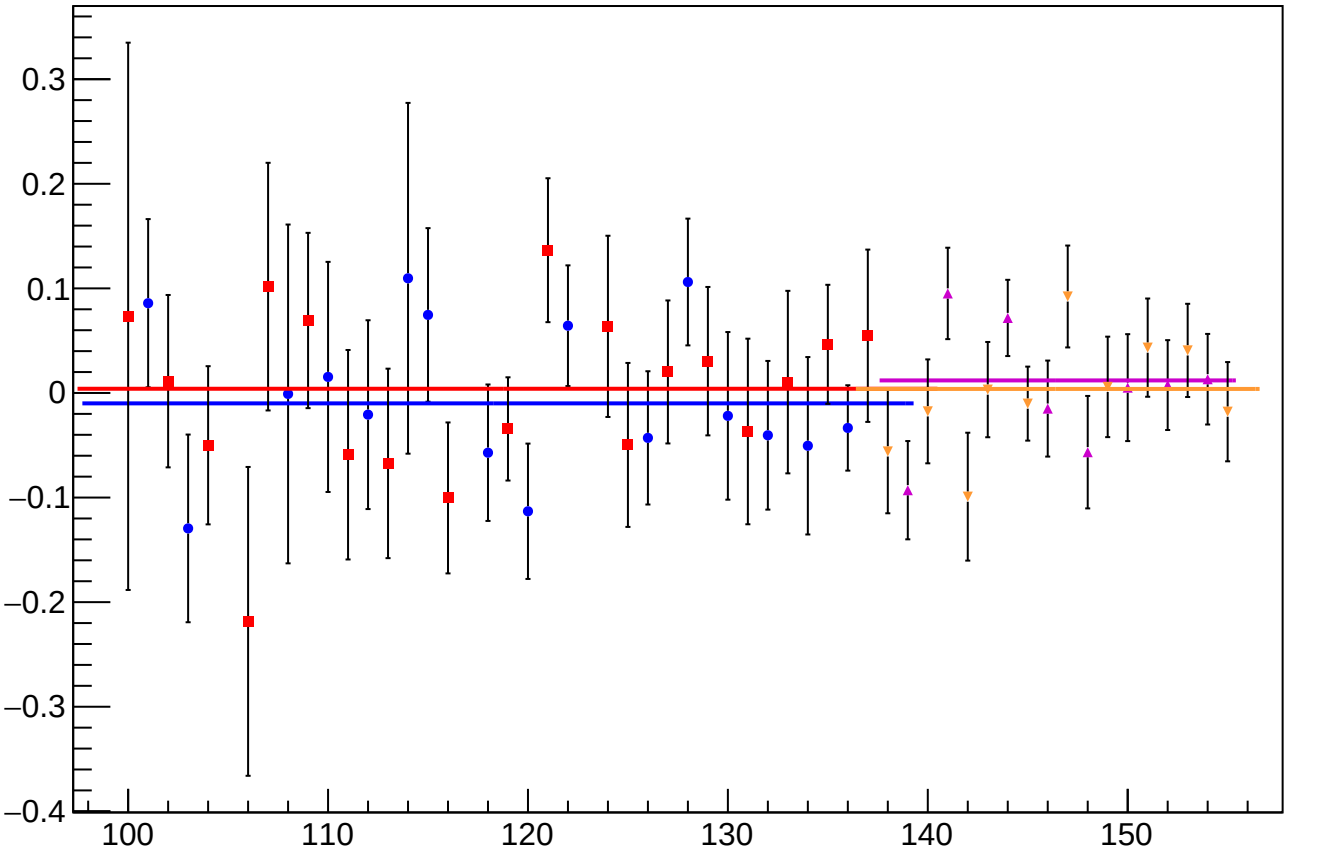
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.772+/-0.011 χ^2/NDF:172884.6/7

+ sign 42.978+/-0.008 χ^2/NDF: 1232001.7/25

All: 43.307+/-0.006 χ^2/NDF: 2217566.2/52

- sign 43.661+/-0.008 χ^2/NDF: 982158.5/26



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.015 χ^2/NDF:9.1/9

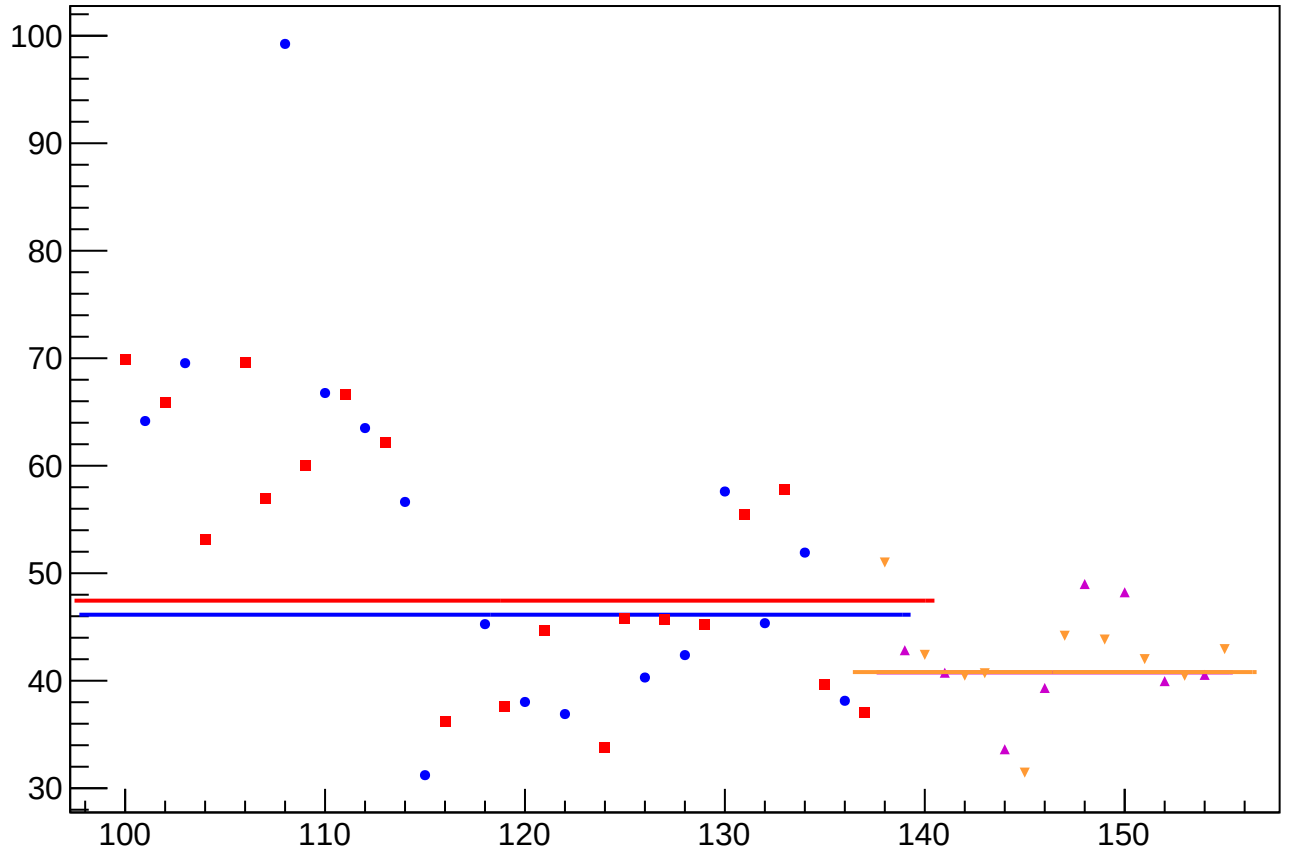
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.012+/-0.016 χ^2/NDF:13.3/7

+ sign -0.002+/-0.011 χ^2/NDF: 23.7/25

All: 0.003+/-0.008 χ^2/NDF: 51.3/52

- sign 0.009+/-0.012 χ^2/NDF: 27.3/26



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.805+/-0.011 χ^2/NDF:224437.1/9

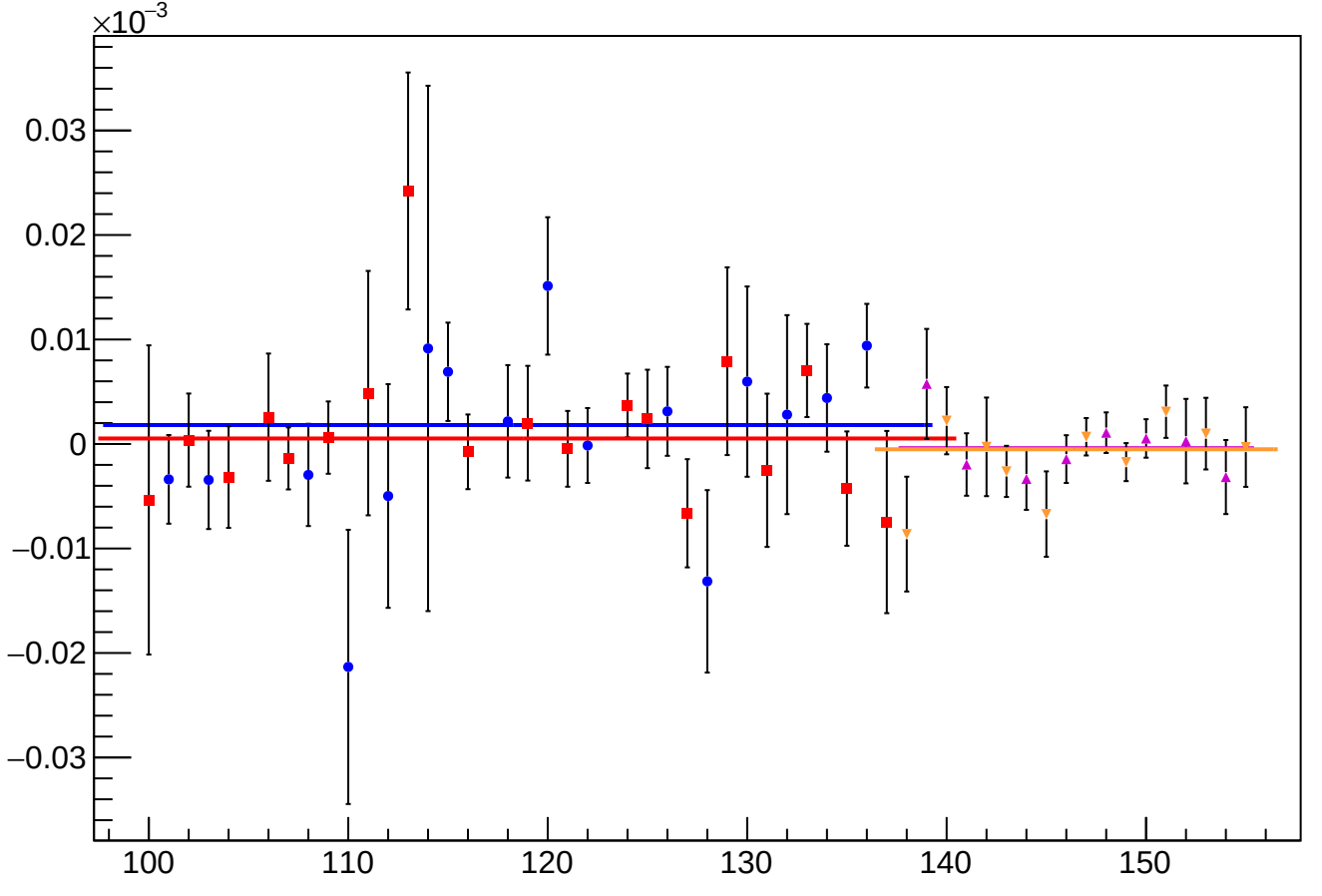
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.772+/-0.011 χ^2/NDF:172884.6/7

+ sign 42.978+/-0.008 χ^2/NDF: 1232001.7/25

All: 43.307+/-0.006 χ^2/NDF: 2217566.2/52

- sign 43.661+/-0.008 χ^2/NDF: 982158.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/9

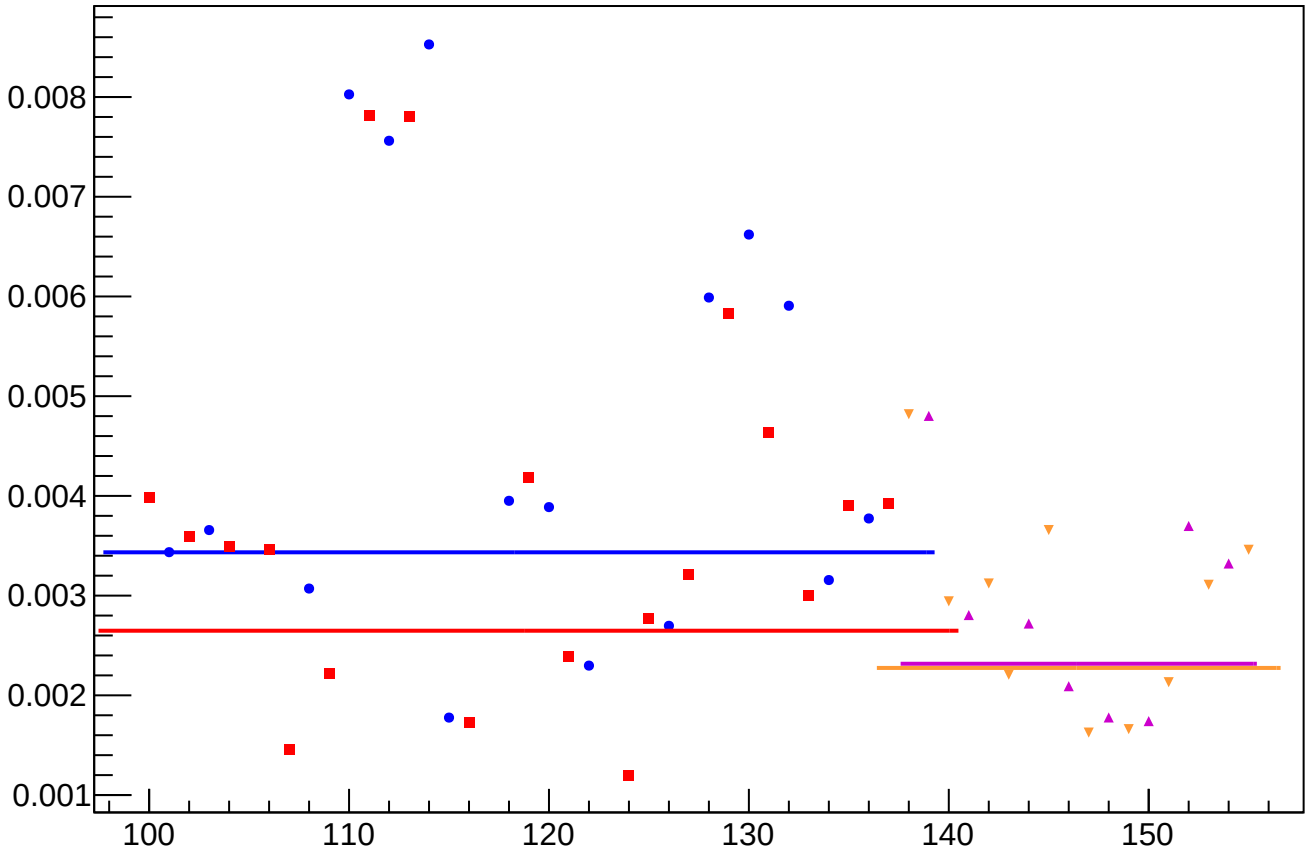
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/25

All: 0.000+/-0.000 χ^2/NDF: 49.7/52

- sign -0.000+/-0.000 χ^2/NDF: 18.5/26



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1619494.9/9

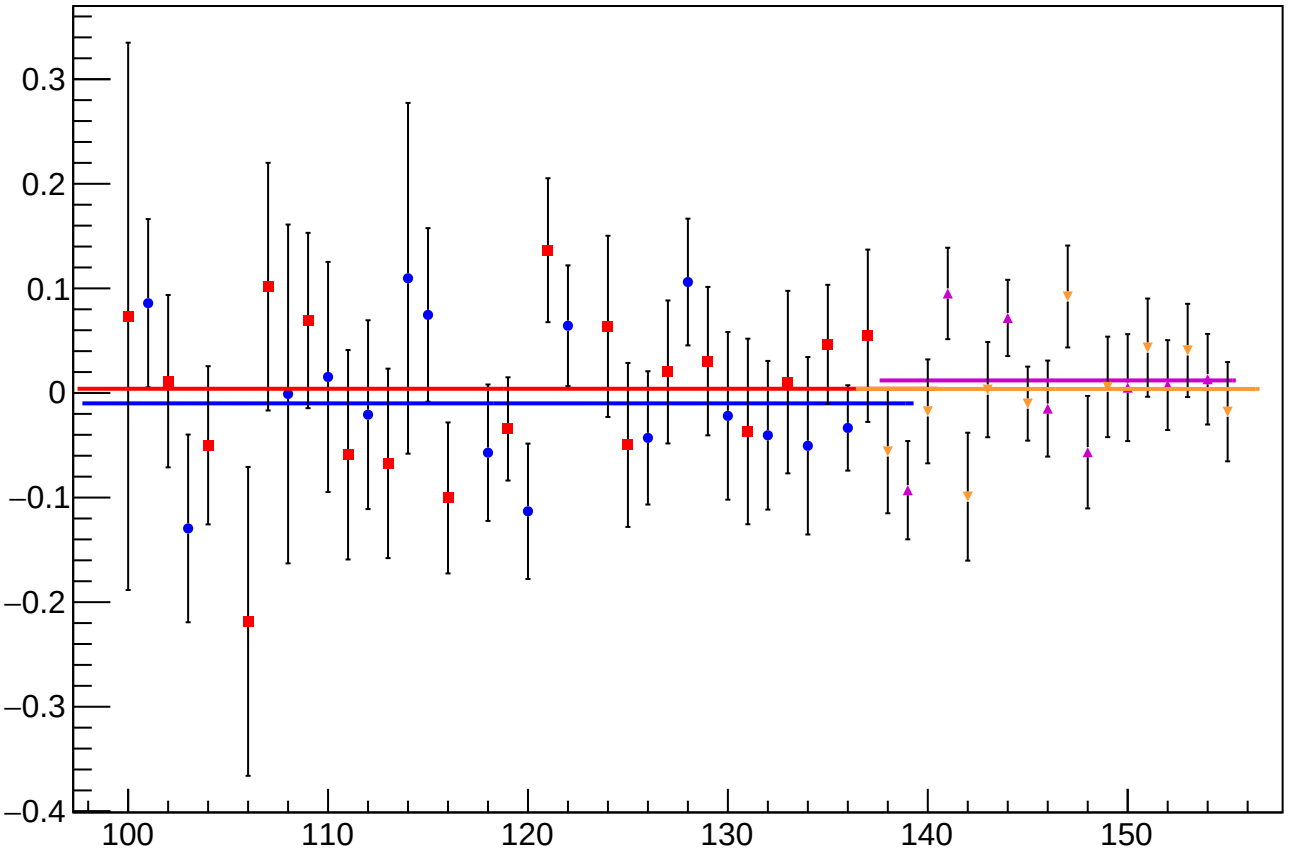
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1300209.9/7

+ sign 0.003+/-0.000 χ^2/NDF: 4388496.4/25

All: 0.003+/-0.000 χ^2/NDF: 8535362.6/52

- sign 0.002+/-0.000 χ^2/NDF: 4103963.0/26



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.015 χ^2/NDF:9.1/9

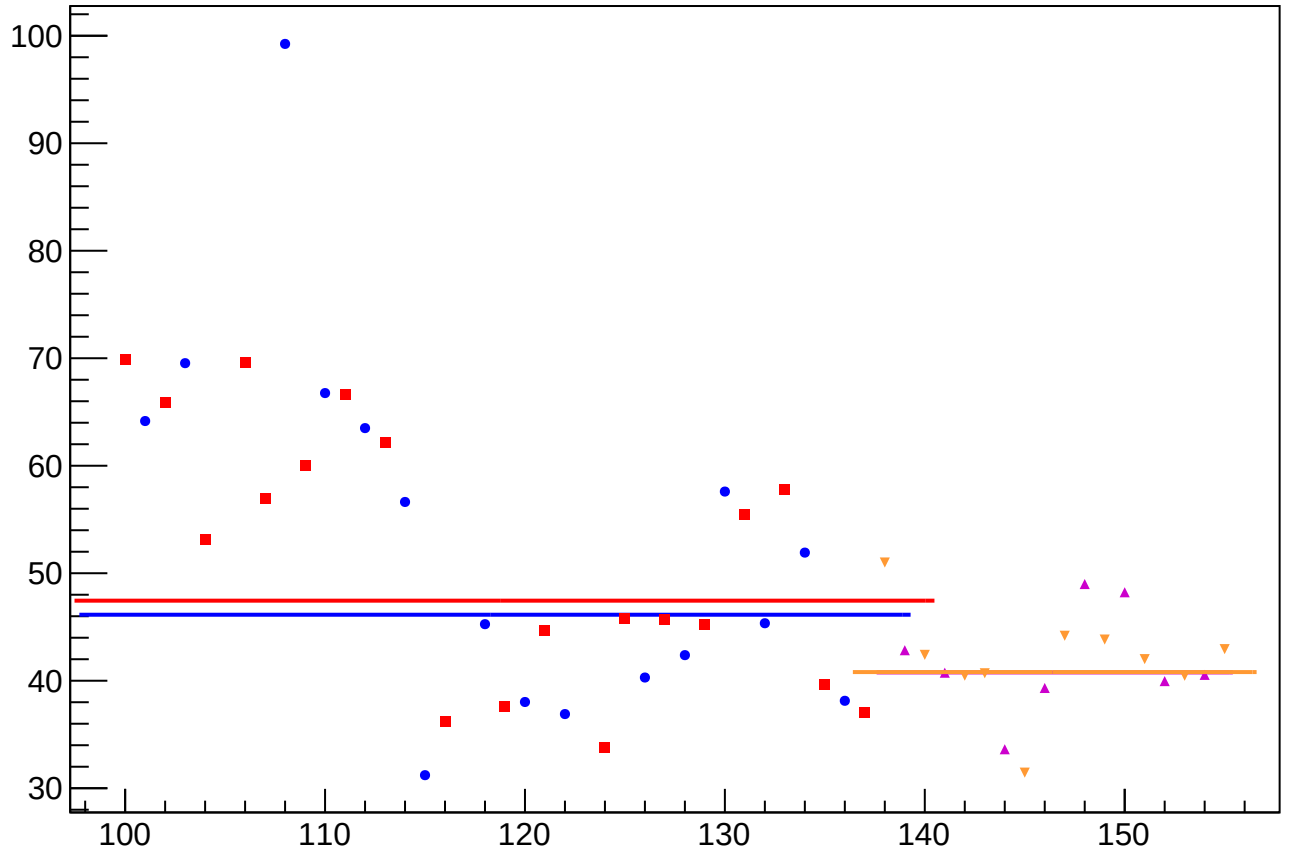
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.012+/-0.016 χ^2/NDF:13.3/7

+ sign -0.002+/-0.011 χ^2/NDF: 23.7/25

All: 0.003+/-0.008 χ^2/NDF: 51.3/52

- sign 0.009+/-0.012 χ^2/NDF: 27.3/26



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.805+/-0.011 χ^2/NDF:224439.1/9

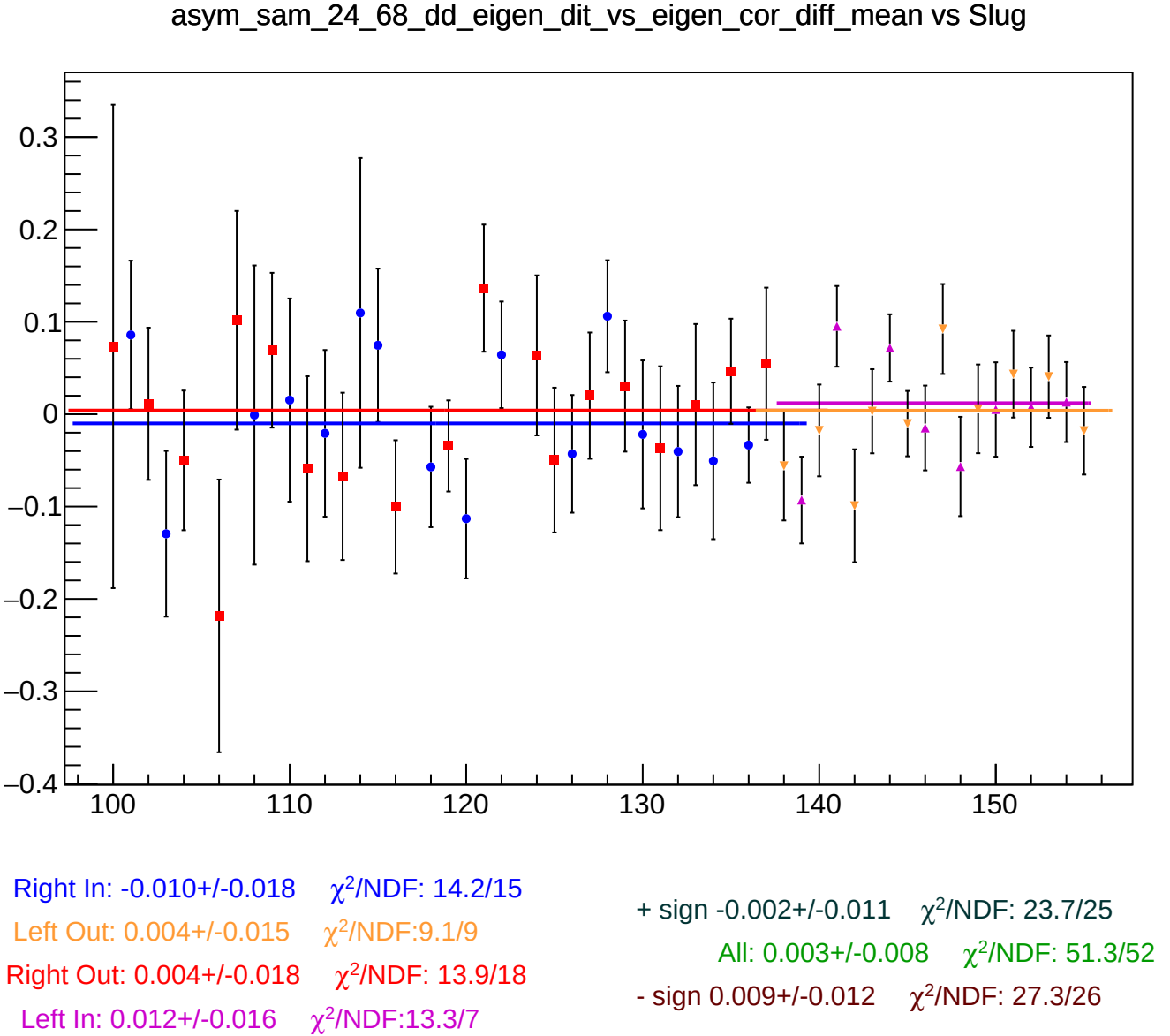
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

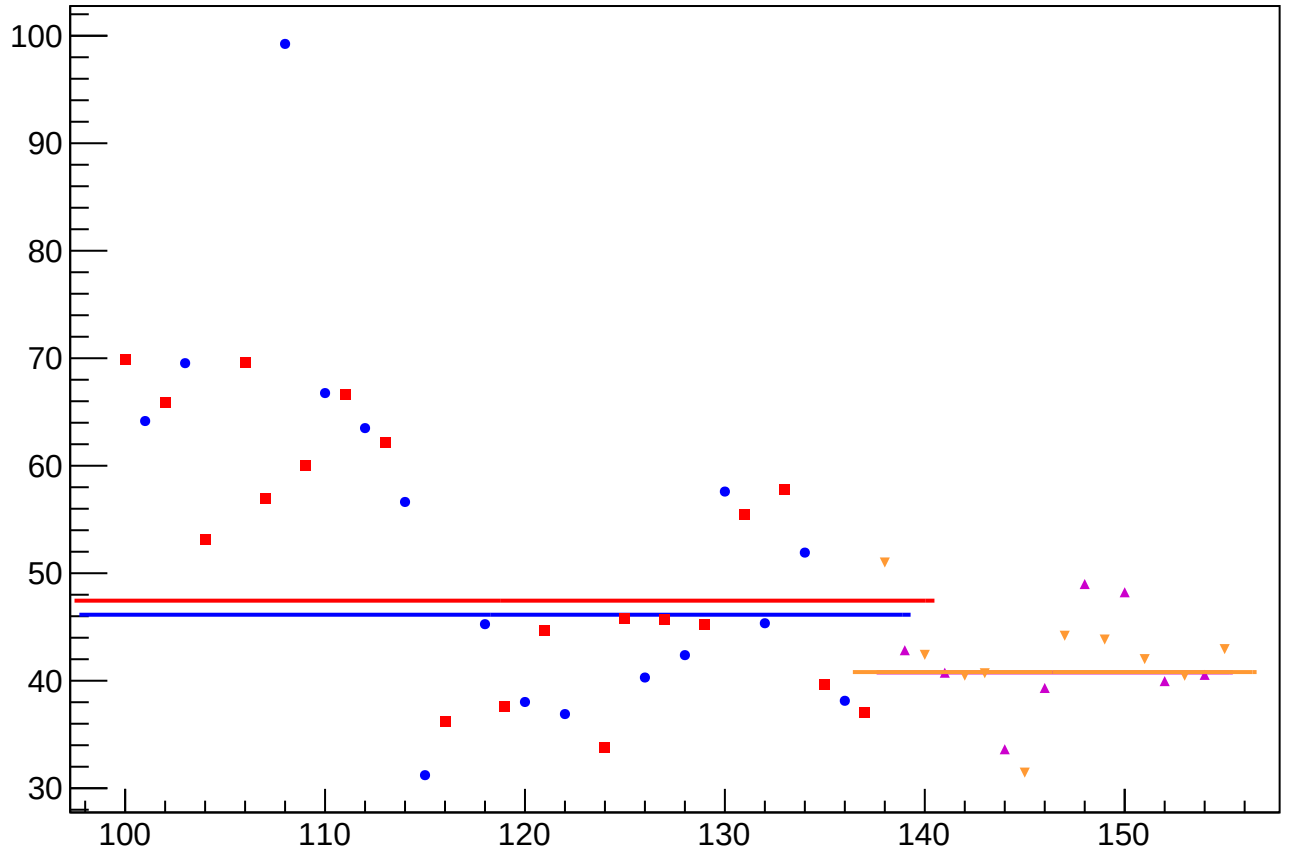
Left In: 40.772+/-0.011 χ^2/NDF:172887.3/7

+ sign 42.978+/-0.008 χ^2/NDF: 1231905.4/25

All: 43.307+/-0.006 χ^2/NDF: 2217410.9/52

- sign 43.660+/-0.008 χ^2/NDF: 982099.6/26


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: 0.004+/-0.015 χ²/NDF:9.1/9
Right Out: 0.004+/-0.018 χ²/NDF: 13.9/18
Left In: 0.012+/-0.016 χ²/NDF:13.3/7
+ sign -0.002+/-0.011 χ²/NDF: 23.7/25
All: 0.003+/-0.008 χ²/NDF: 51.3/52
- sign 0.009+/-0.012 χ²/NDF: 27.3/26



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.805+/-0.011 χ^2/NDF:224439.1/9

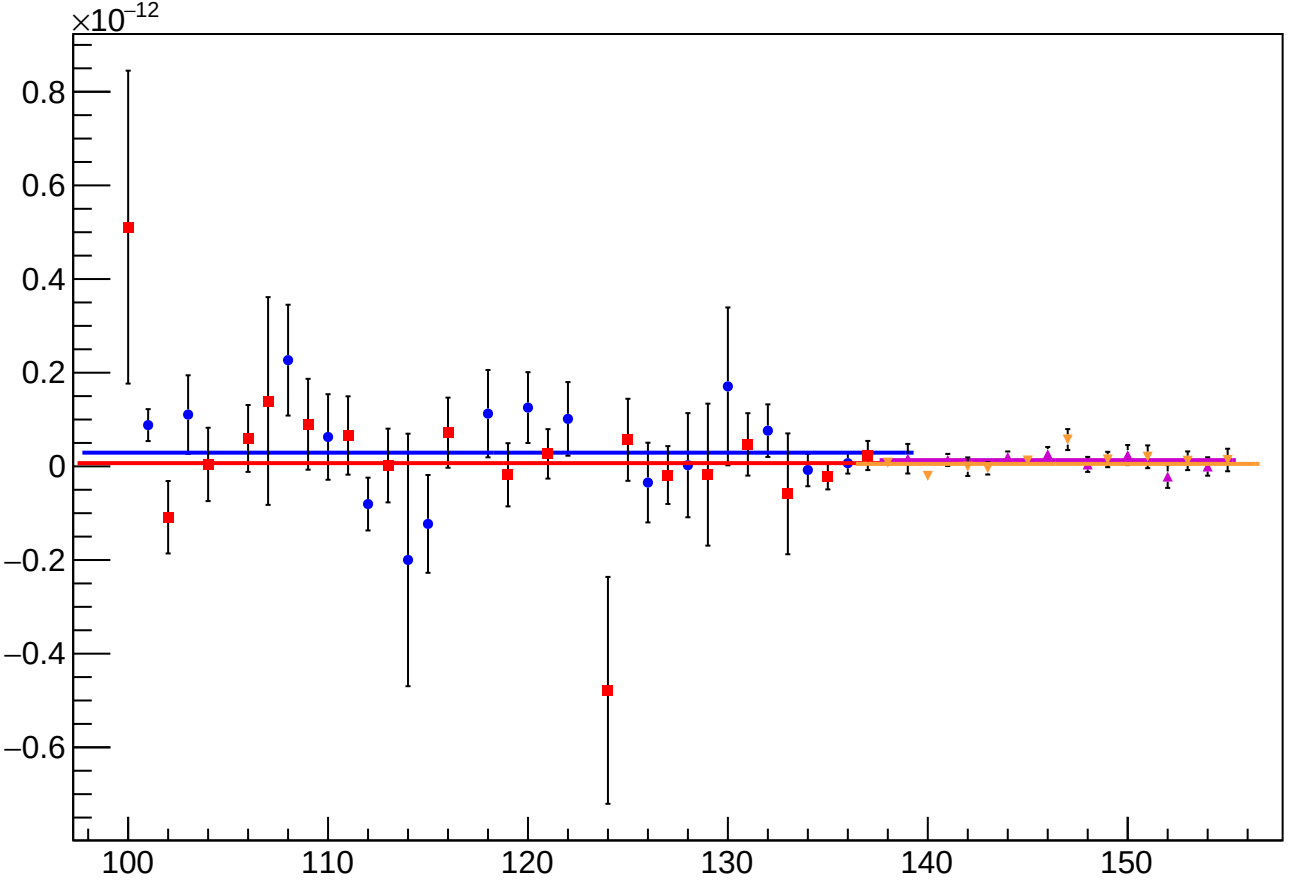
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.772+/-0.011 χ^2/NDF:172887.3/7

+ sign 42.978+/-0.008 χ^2/NDF: 1231905.4/25

All: 43.307+/-0.006 χ^2/NDF: 2217410.9/52

- sign 43.660+/-0.008 χ^2/NDF: 982099.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/9

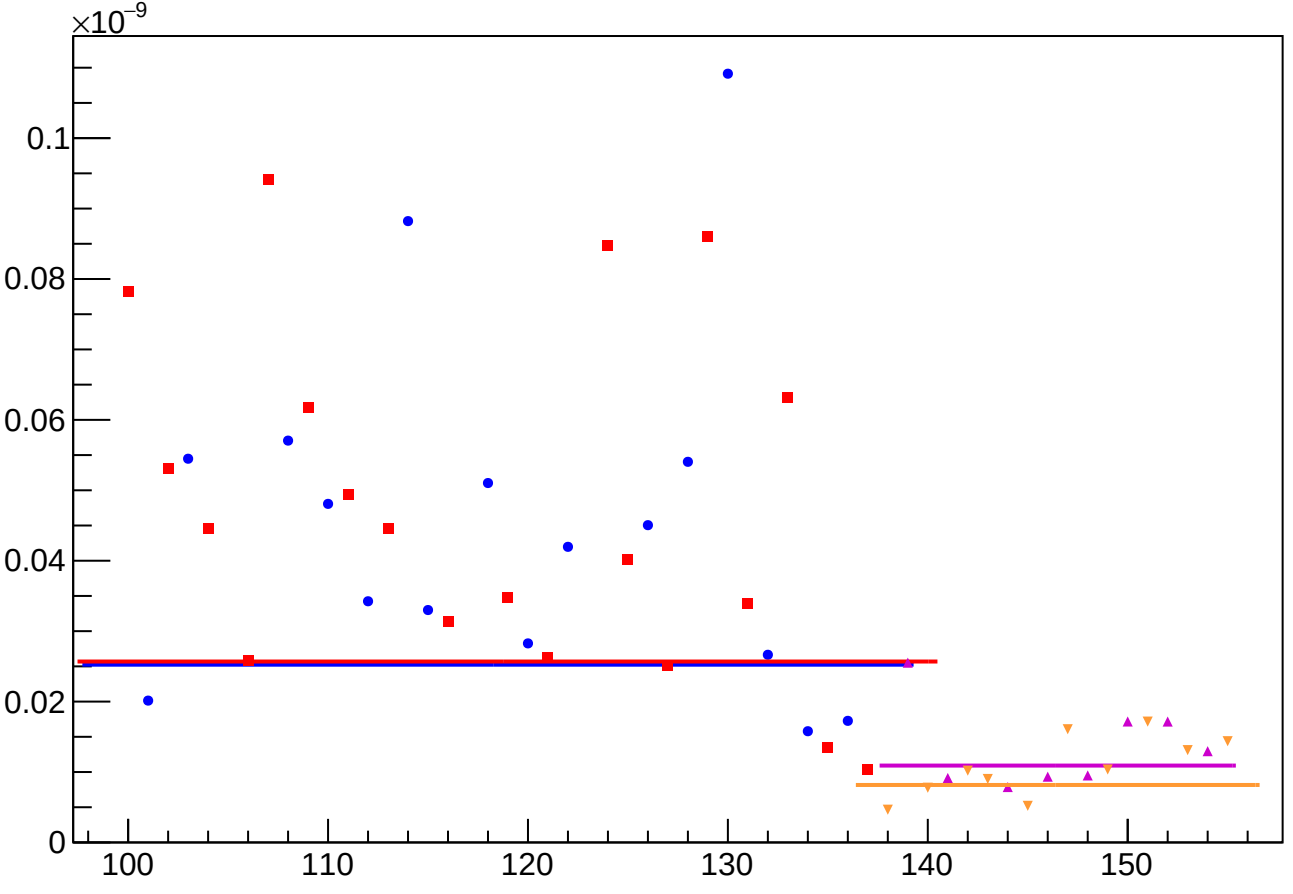
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 37.2/25

All: 0.000+/-0.000 χ^2/NDF: 56.2/52

- sign 0.000+/-0.000 χ^2/NDF: 18.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1298544.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

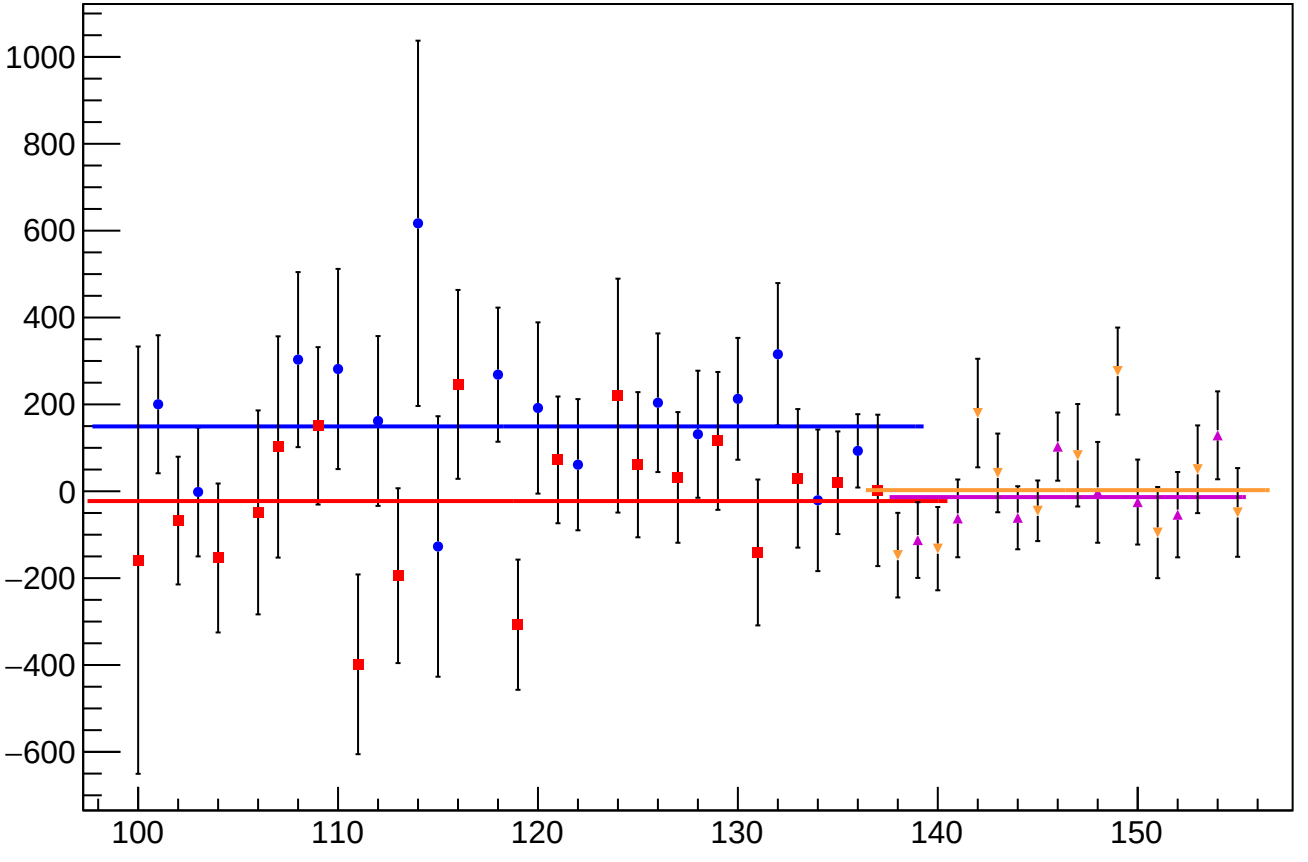
Left In: 0.000+/-0.000 χ^2/NDF:957090.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 6295479.0/25

All: 0.000+/-0.000 χ^2/NDF: 12290662.4/52

- sign 0.000+/-0.000 χ^2/NDF: 5561966.2/26

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.601+/-30.688 χ^2/NDF:16.3/9

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

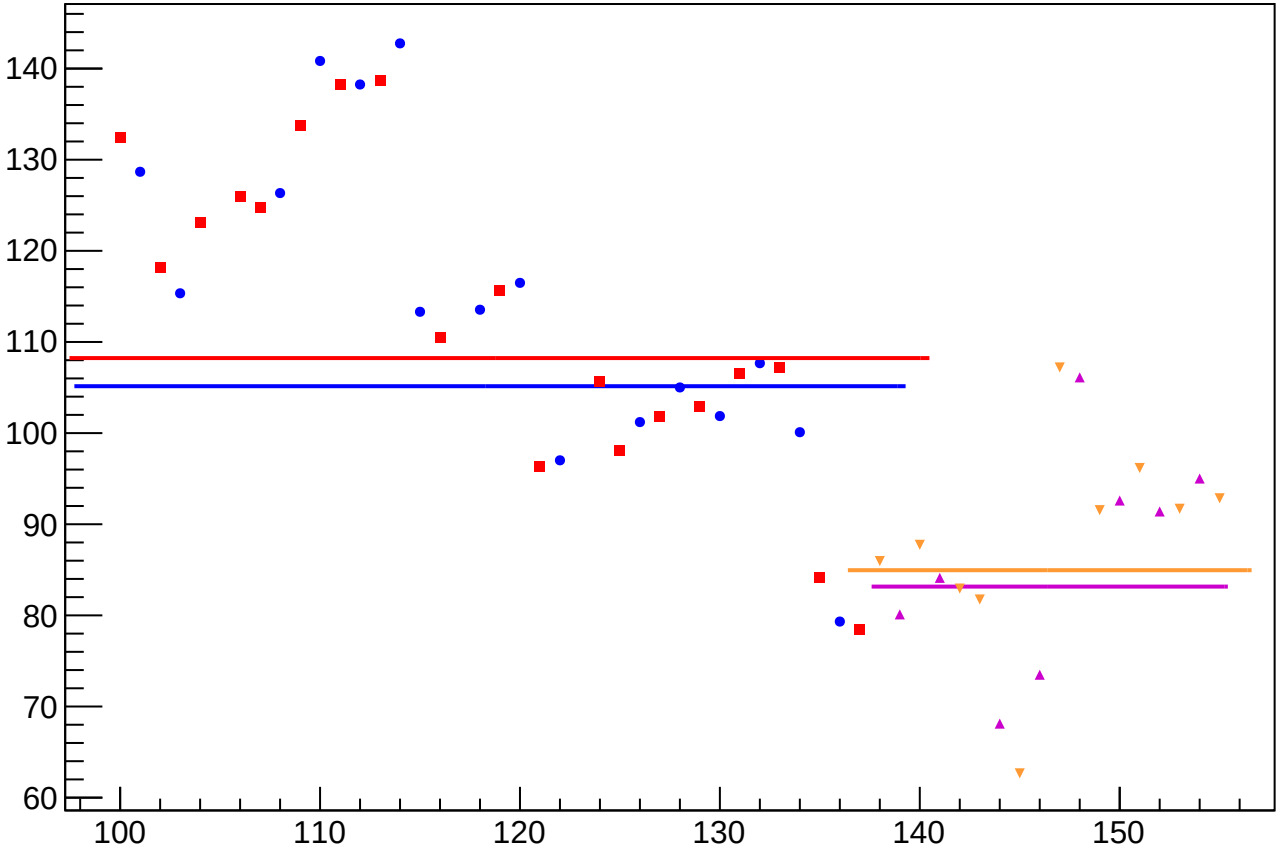
Left In: -13.407+/-31.806 χ^2/NDF:6.4/7

+ sign 57.495+/-24.277 χ^2/NDF: 32.9/25

All: 21.250+/-17.389 χ^2/NDF: 58.1/52

- sign -16.937+/-24.919 χ^2/NDF: 20.6/26

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 84.956+/-0.022 χ^2/NDF:332628.7/9

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

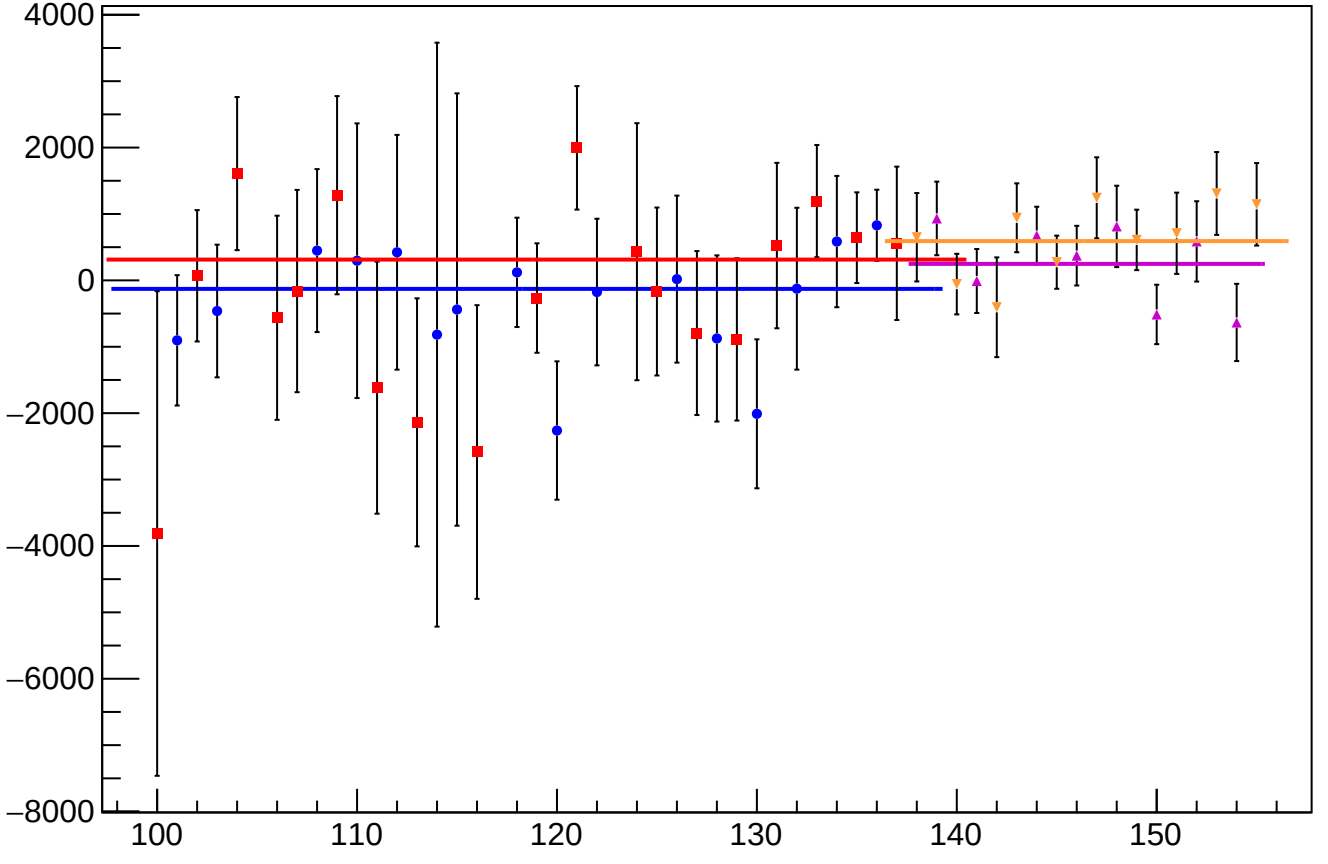
Left In: 83.159+/-0.022 χ^2/NDF:257230.0/7

+ sign 92.511+/-0.017 χ^2/NDF: 1064959.0/25

All: 92.672+/-0.012 χ^2/NDF: 2152304.3/52

- sign 92.841+/-0.018 χ^2/NDF: 1087165.3/26

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 591.410+/-171.172 χ^2/NDF:8.2/9

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

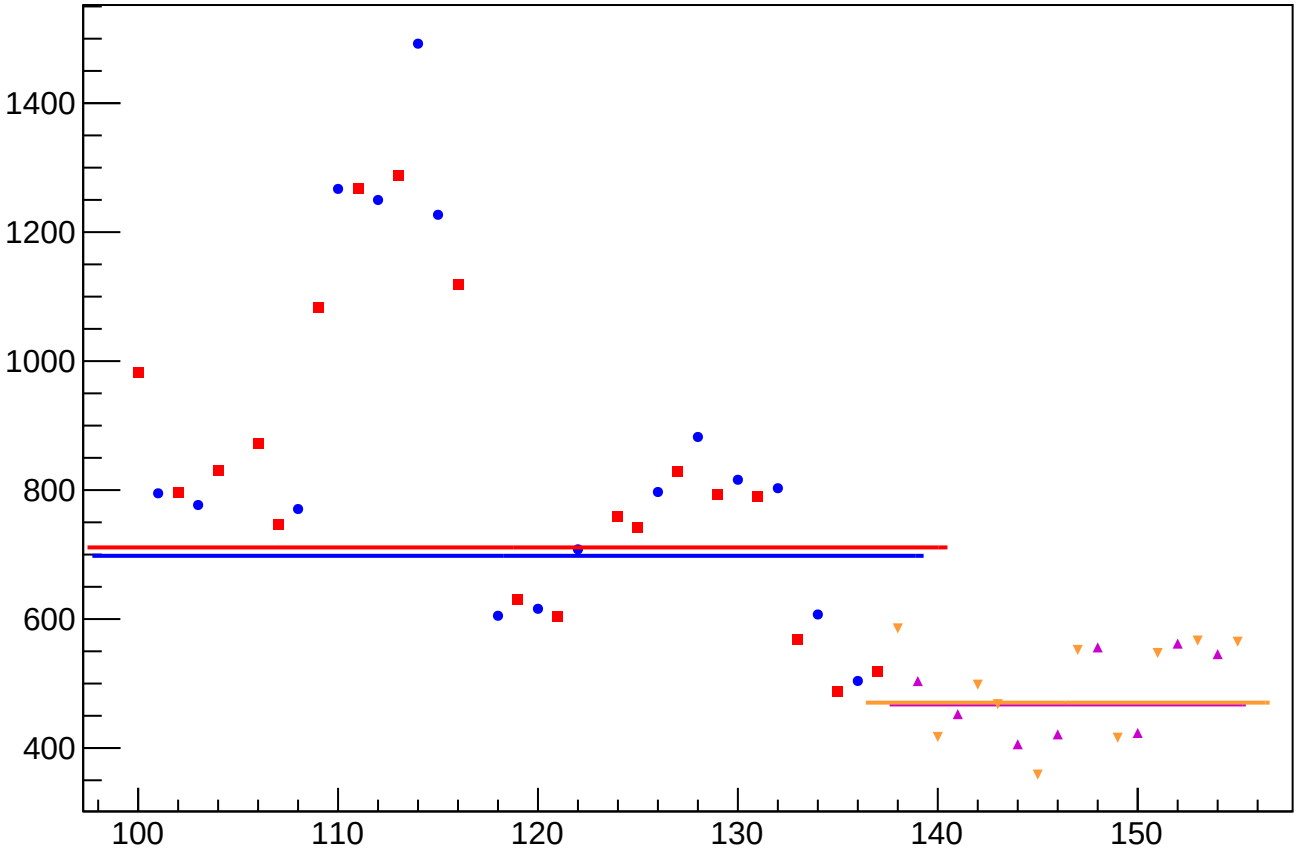
Left In: 248.259+/-179.188 χ^2/NDF:9.2/7

+ sign 383.625+/-144.353 χ^2/NDF: 25.6/25

All: 327.793+/-103.785 χ^2/NDF: 50.1/52

- sign 268.051+/-149.323 χ^2/NDF: 24.2/26

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 470.430+/-0.121 χ^2/NDF:435226.1/9

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

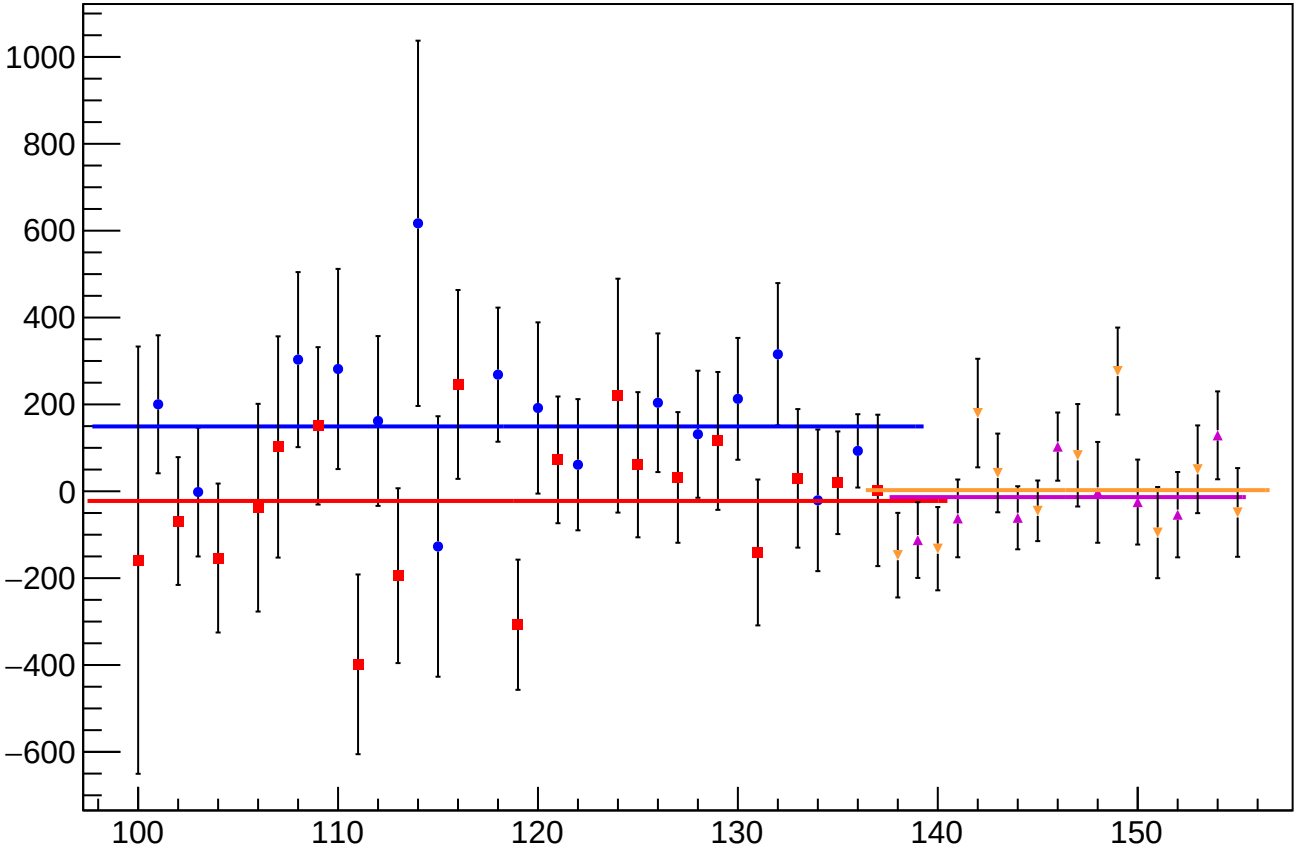
Left In: 467.609+/-0.127 χ^2/NDF:217944.9/7

+ sign 536.169+/-0.102 χ^2/NDF: 2369506.6/25

All: 538.990+/-0.073 χ^2/NDF: 4752480.0/52

- sign 542.007+/-0.106 χ^2/NDF: 2381393.0/26

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.597+/-30.688 χ^2/NDF:16.3/9

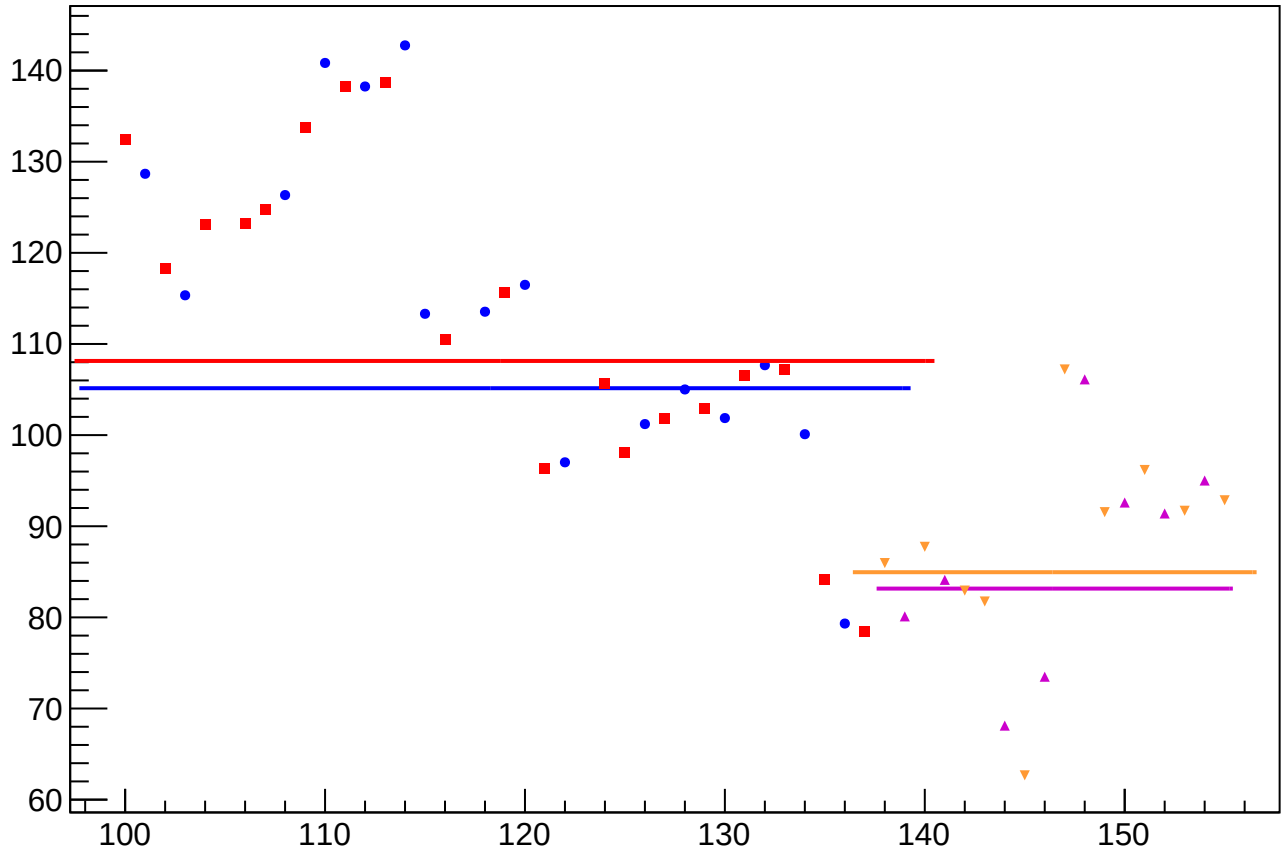
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -13.407+/-31.806 χ^2/NDF:6.4/7

+ sign 57.489+/-24.277 χ^2/NDF: 32.9/25

All: 21.304+/-17.391 χ^2/NDF: 58.1/52

- sign -16.838+/-24.924 χ^2/NDF: 20.6/26



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.956+/-0.022 χ^2/NDF:332628.7/9

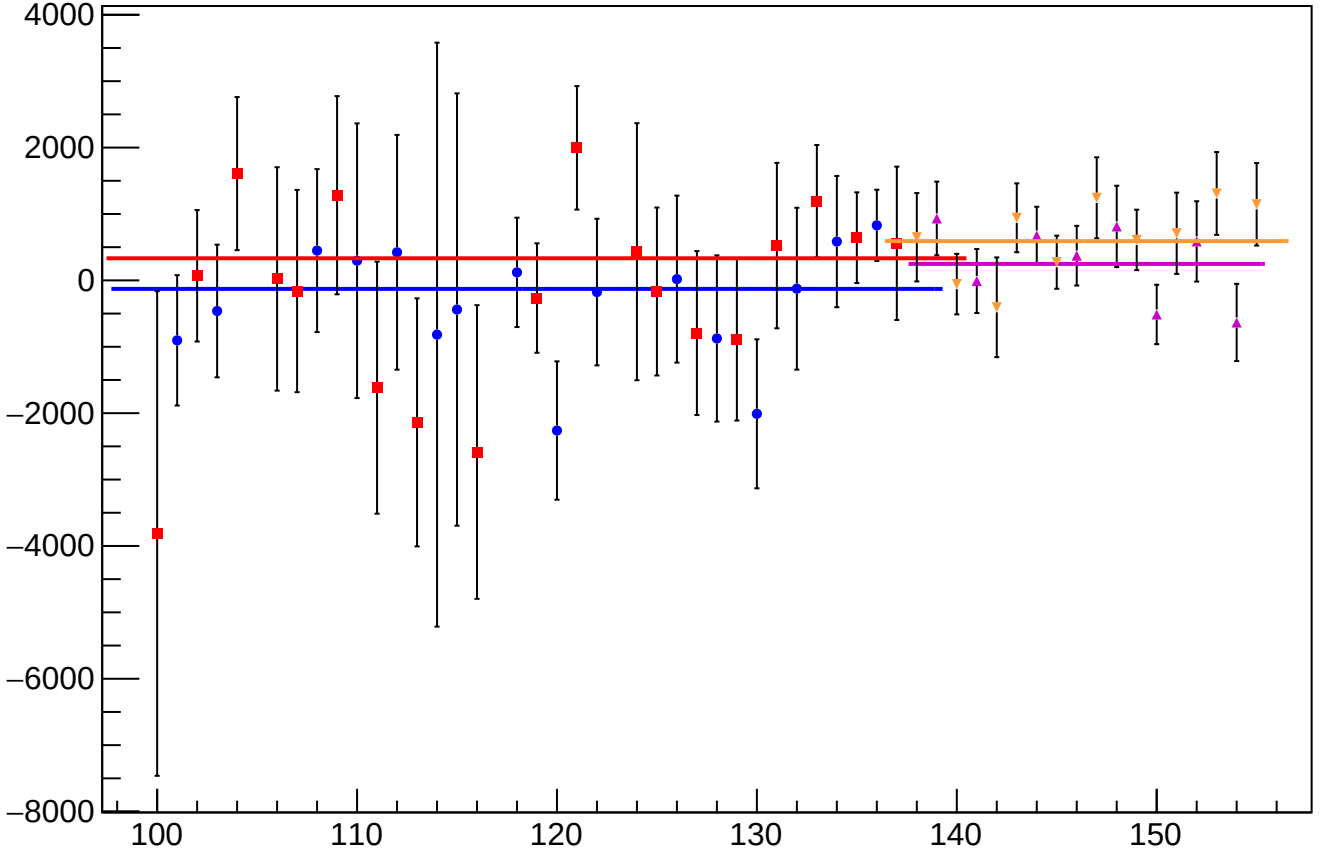
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 83.159+/-0.022 χ^2/NDF:257230.0/7

+ sign 92.511+/-0.017 χ^2/NDF: 1064959.4/25

All: 92.651+/-0.012 χ^2/NDF: 2144640.6/52

- sign 92.798+/-0.018 χ^2/NDF: 1079545.8/26



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 591.411+/-171.172 χ^2/NDF:8.2/9

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

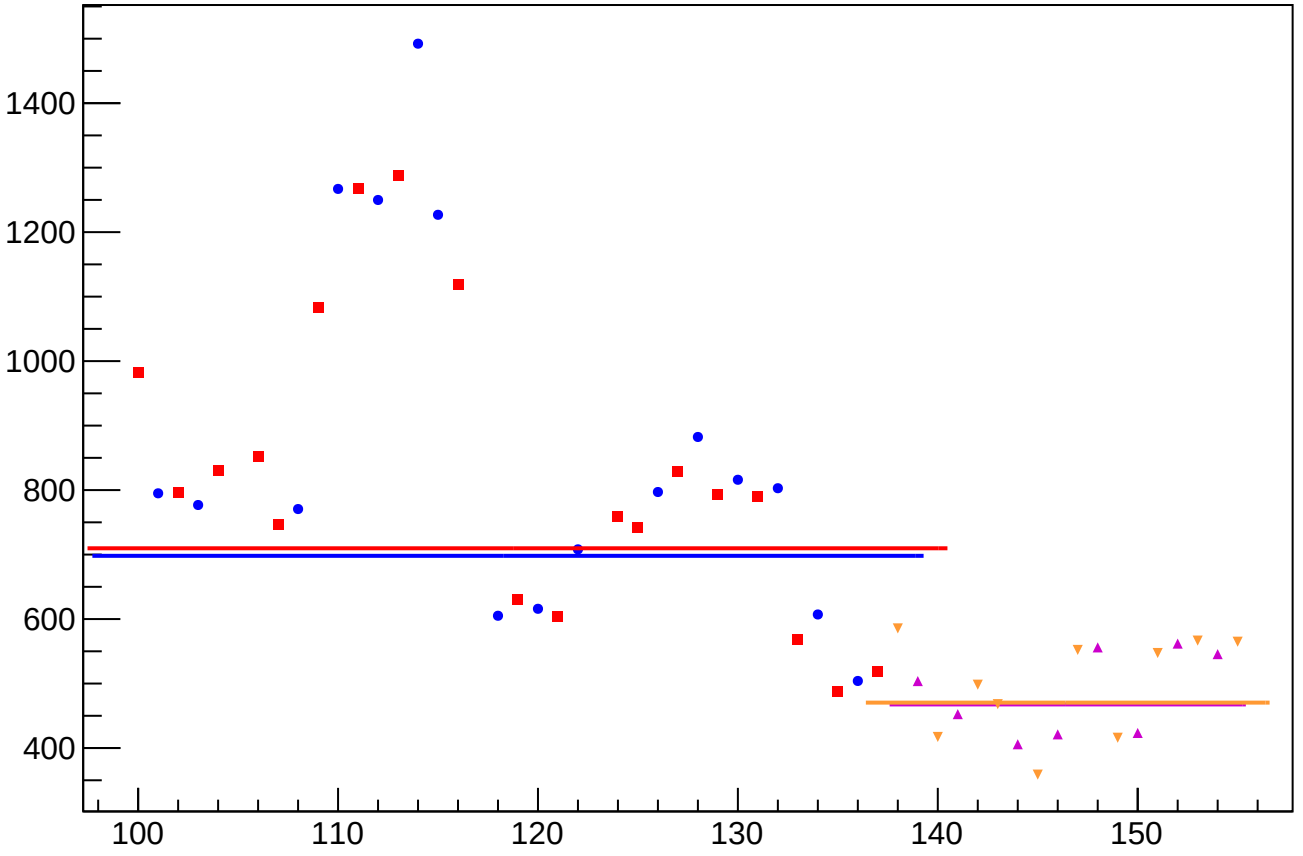
Left In: 248.258+/-179.188 χ^2/NDF:9.2/7

+ sign 383.628+/-144.353 χ^2/NDF: 25.6/25

All: 330.691+/-103.825 χ^2/NDF: 49.8/52

- sign 273.956+/-149.441 χ^2/NDF: 24.0/26

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 470.430+/-0.121 χ^2/NDF:435227.2/9

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

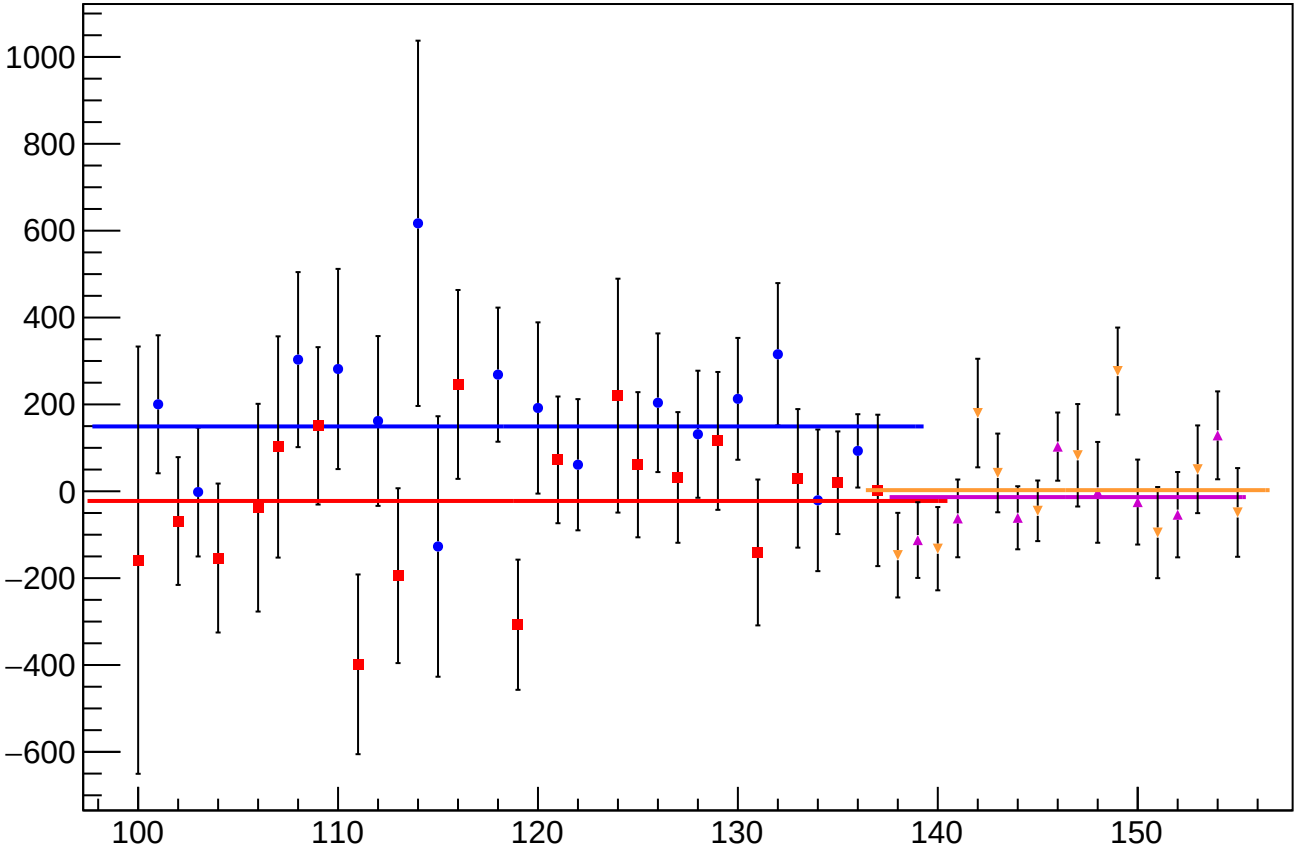
Left In: 467.609+/-0.127 χ^2/NDF:217943.0/7

+ sign 536.169+/-0.102 χ^2/NDF: 2369520.0/25

All: 538.661+/-0.073 χ^2/NDF: 4727728.5/52

- sign 541.331+/-0.106 χ^2/NDF: 2356974.3/26

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.597+/-30.688 χ^2/NDF:16.3/9

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

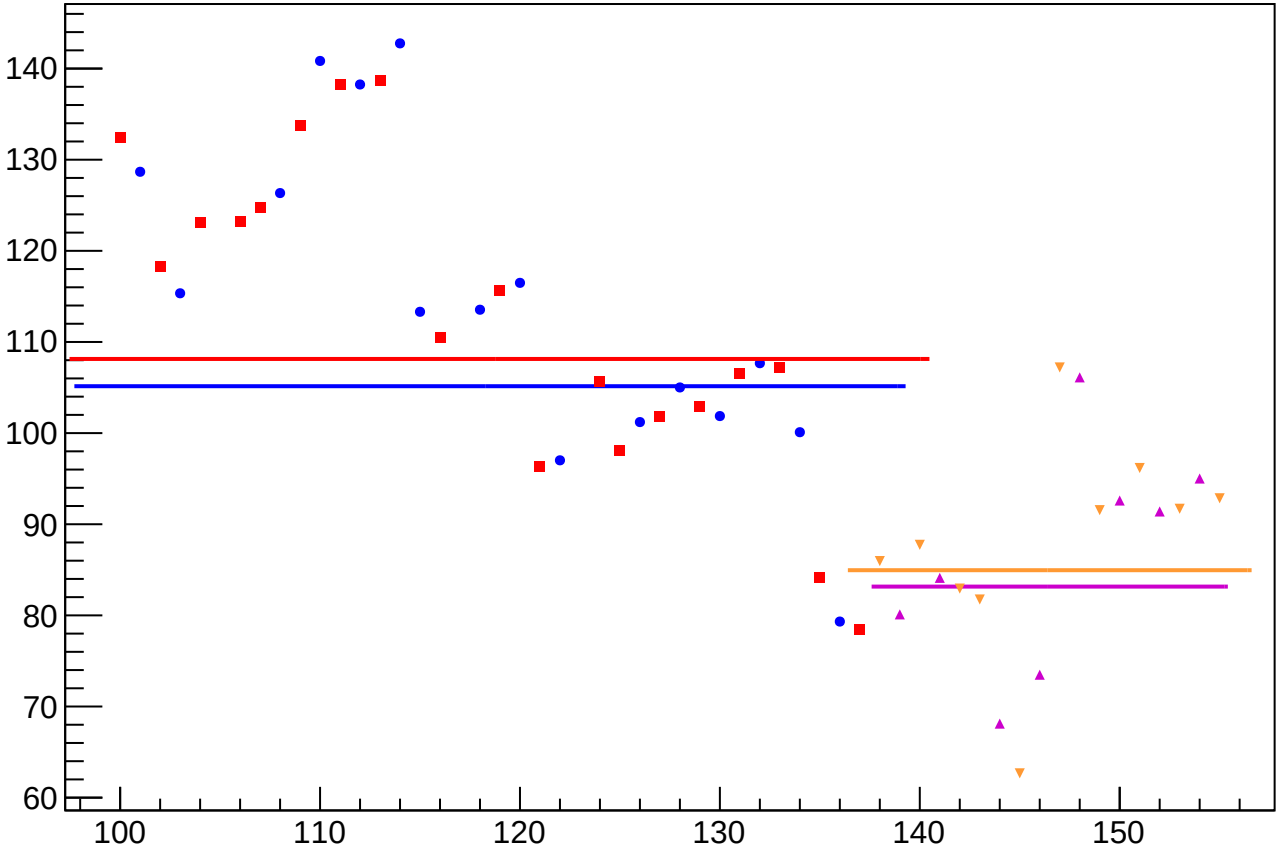
Left In: -13.407+/-31.806 χ^2/NDF:6.4/7

+ sign 57.489+/-24.277 χ^2/NDF: 32.9/25

All: 21.304+/-17.391 χ^2/NDF: 58.1/52

- sign -16.838+/-24.924 χ^2/NDF: 20.6/26

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.956+/-0.022 χ^2/NDF:332628.7/9

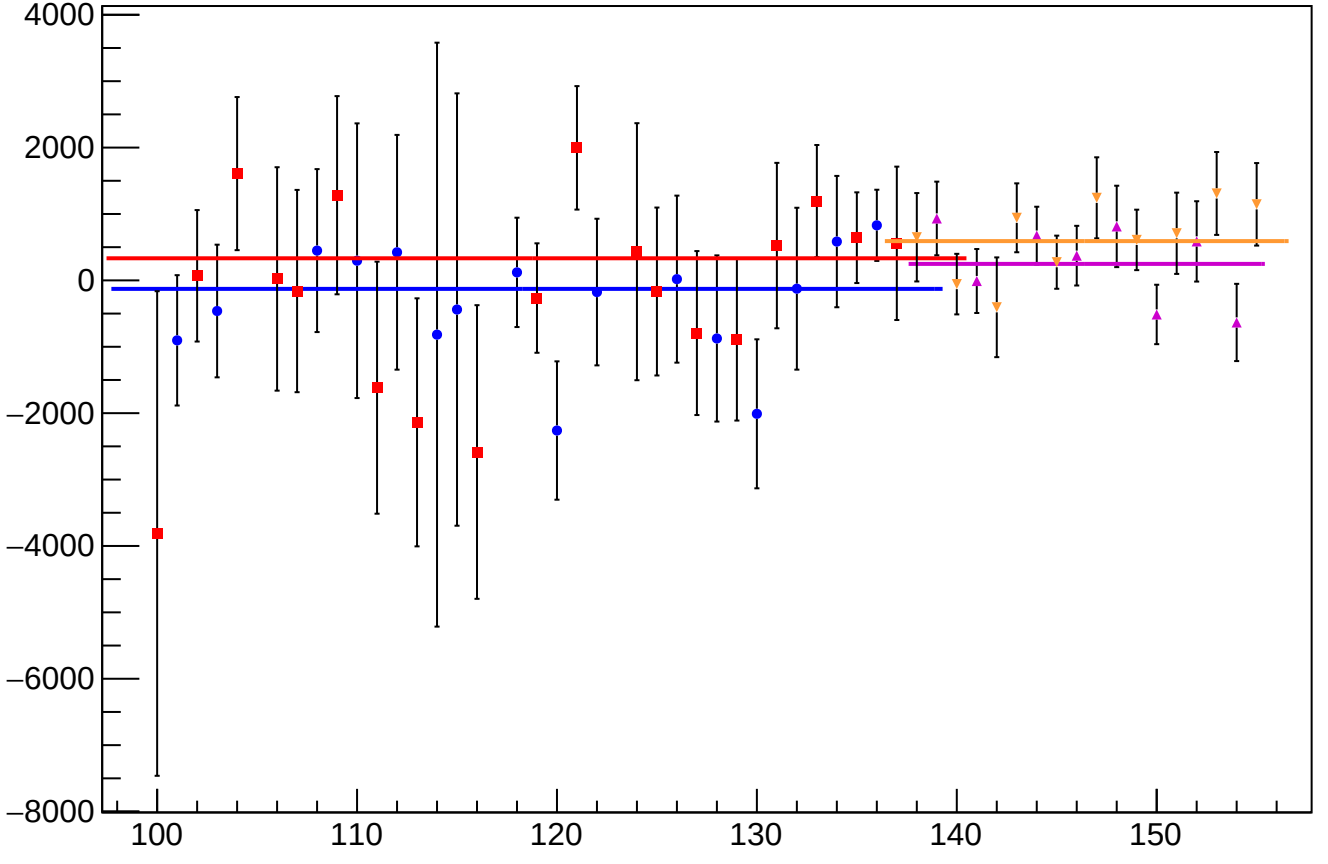
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 83.159+/-0.022 χ^2/NDF:257230.0/7

\+ sign 92.511+/-0.017 χ^2/NDF: 1064959.4/25

All: 92.651+/-0.012 χ^2/NDF: 2144640.6/52

\- sign 92.798+/-0.018 χ^2/NDF: 1079545.8/26



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 591.411+/-171.172 χ^2/NDF:8.2/9

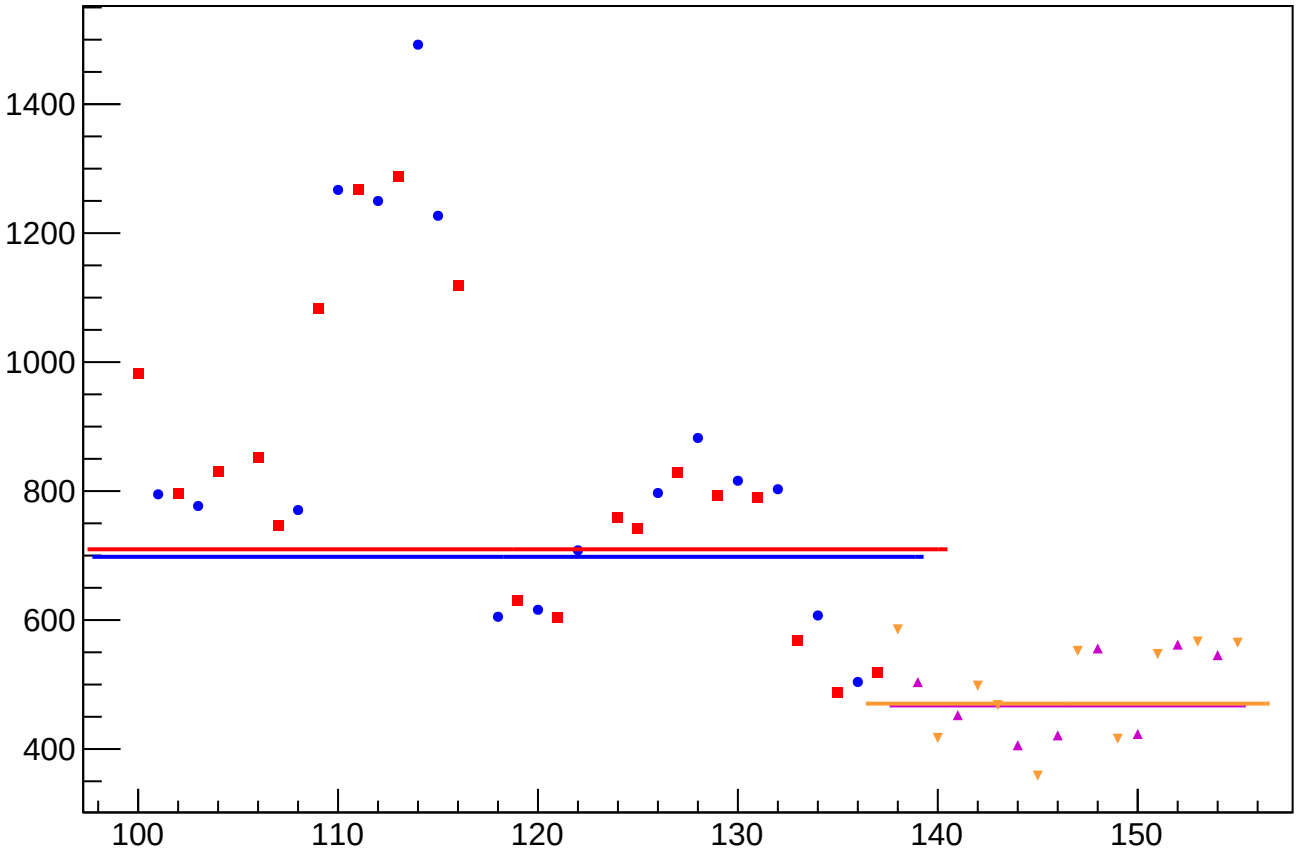
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 248.258+/-179.188 χ^2/NDF:9.2/7

+ sign 383.628+/-144.353 χ^2/NDF: 25.6/25

All: 330.691+/-103.825 χ^2/NDF: 49.8/52

- sign 273.956+/-149.441 χ^2/NDF: 24.0/26



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 470.430+/-0.121 χ^2/NDF:435227.2/9

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

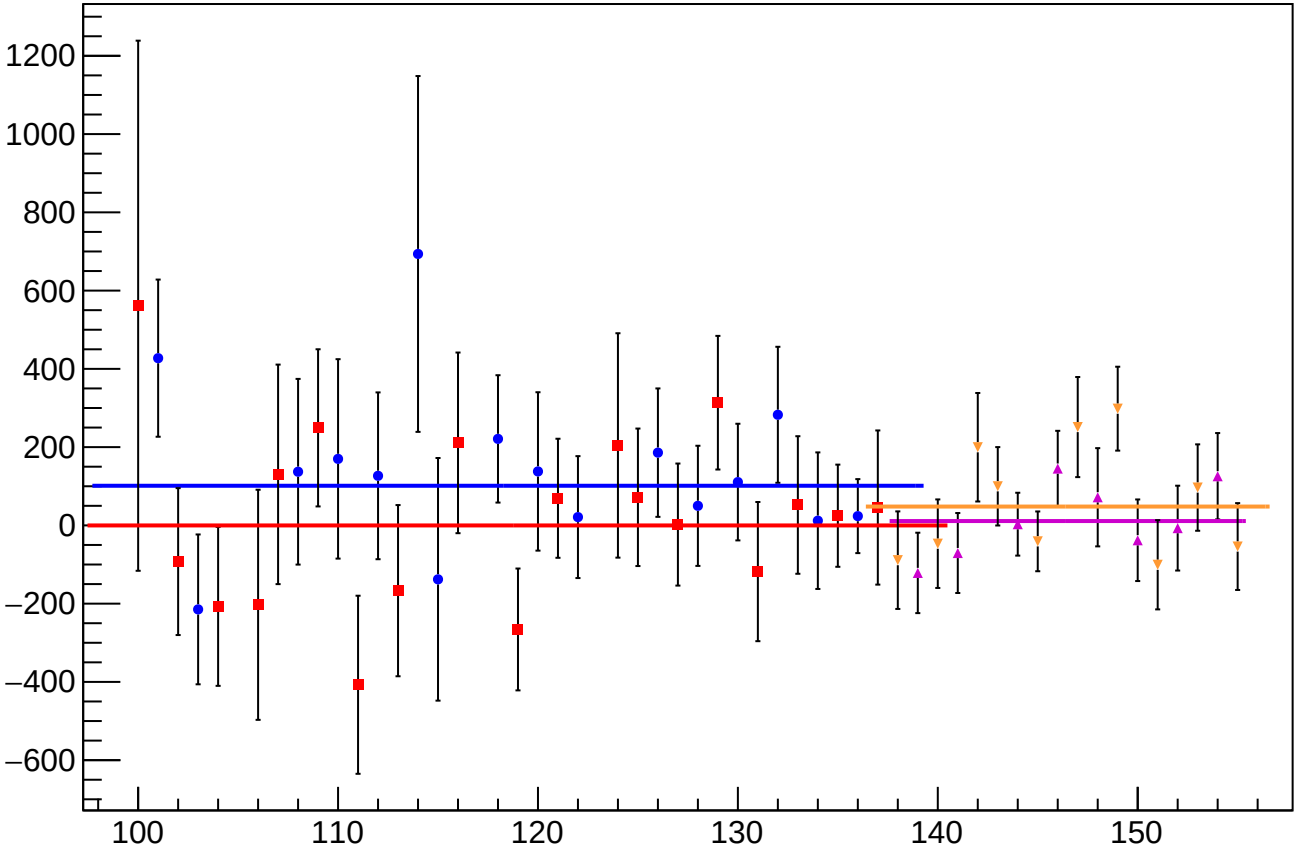
Left In: 467.609+/-0.127 χ^2/NDF:217943.0/7

+ sign 536.169+/-0.102 χ^2/NDF: 2369520.0/25

All: 538.661+/-0.073 χ^2/NDF: 4727728.5/52

- sign 541.331+/-0.106 χ^2/NDF: 2356974.3/26

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 48.122+/-34.222 χ^2/NDF:15.4/9

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

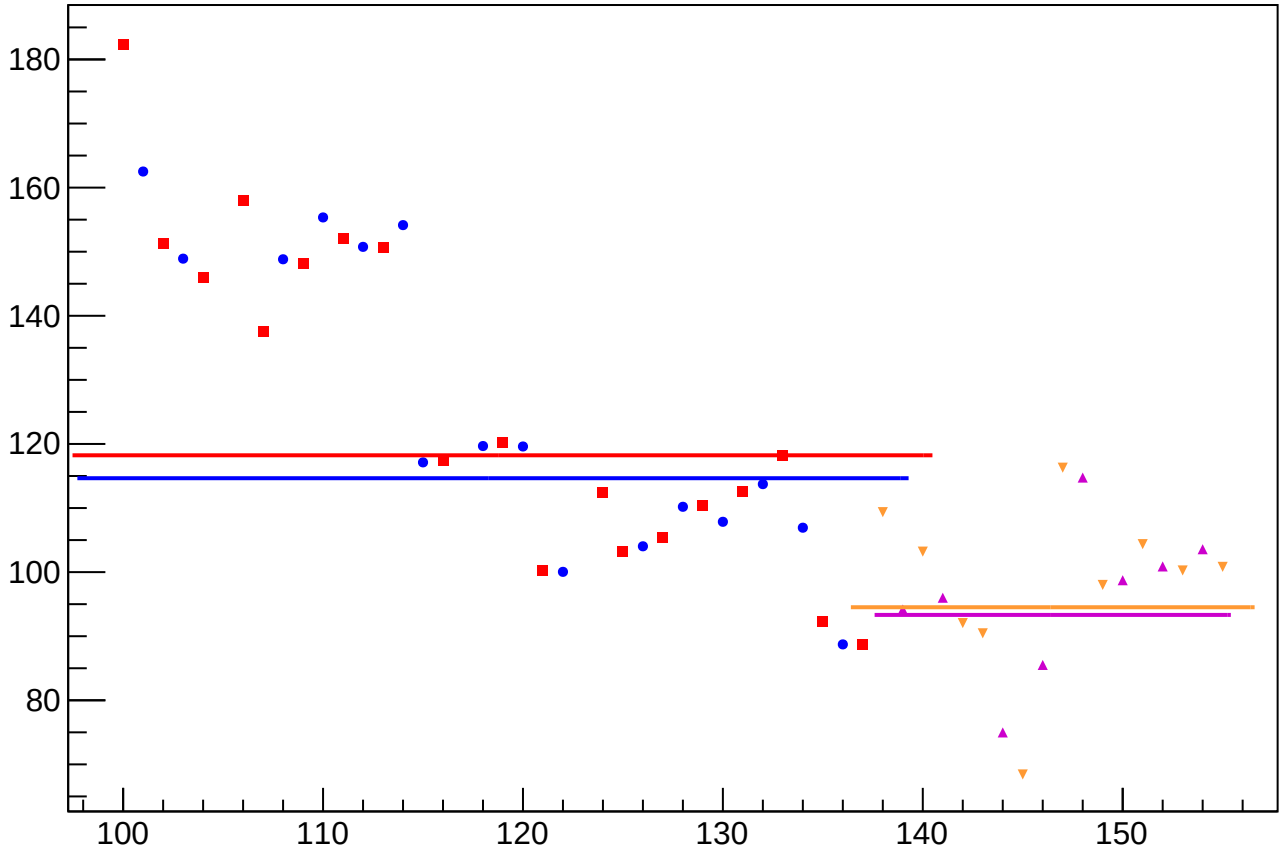
Left In: 11.098+/-35.904 χ^2/NDF:5.8/7

+ sign 68.440+/-26.899 χ^2/NDF: 27.4/25

All: 38.576+/-19.340 χ^2/NDF: 52.4/52

- sign 6.616+/-27.827 χ^2/NDF: 22.5/26

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 94.521+/-0.024 χ^2/NDF:364222.9/9

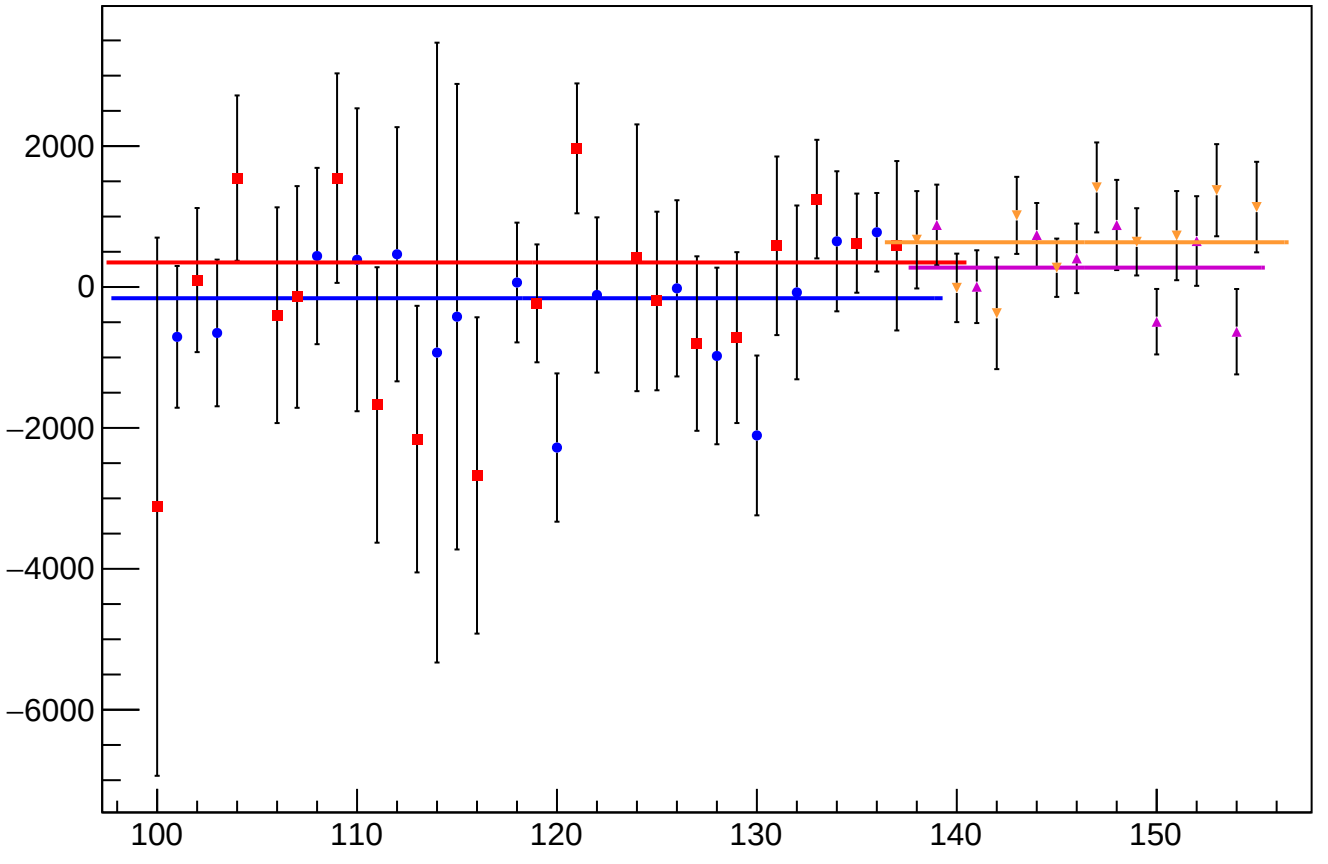
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 93.323+/-0.025 χ^2/NDF:209528.6/7

+ sign 102.216+/-0.019 χ^2/NDF: 1160777.7/25

All: 102.725+/-0.014 χ^2/NDF: 2239557.9/52

- sign 103.269+/-0.020 χ^2/NDF: 1077299.2/26



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 635.164+/-179.012 χ^2/NDF:8.0/9

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

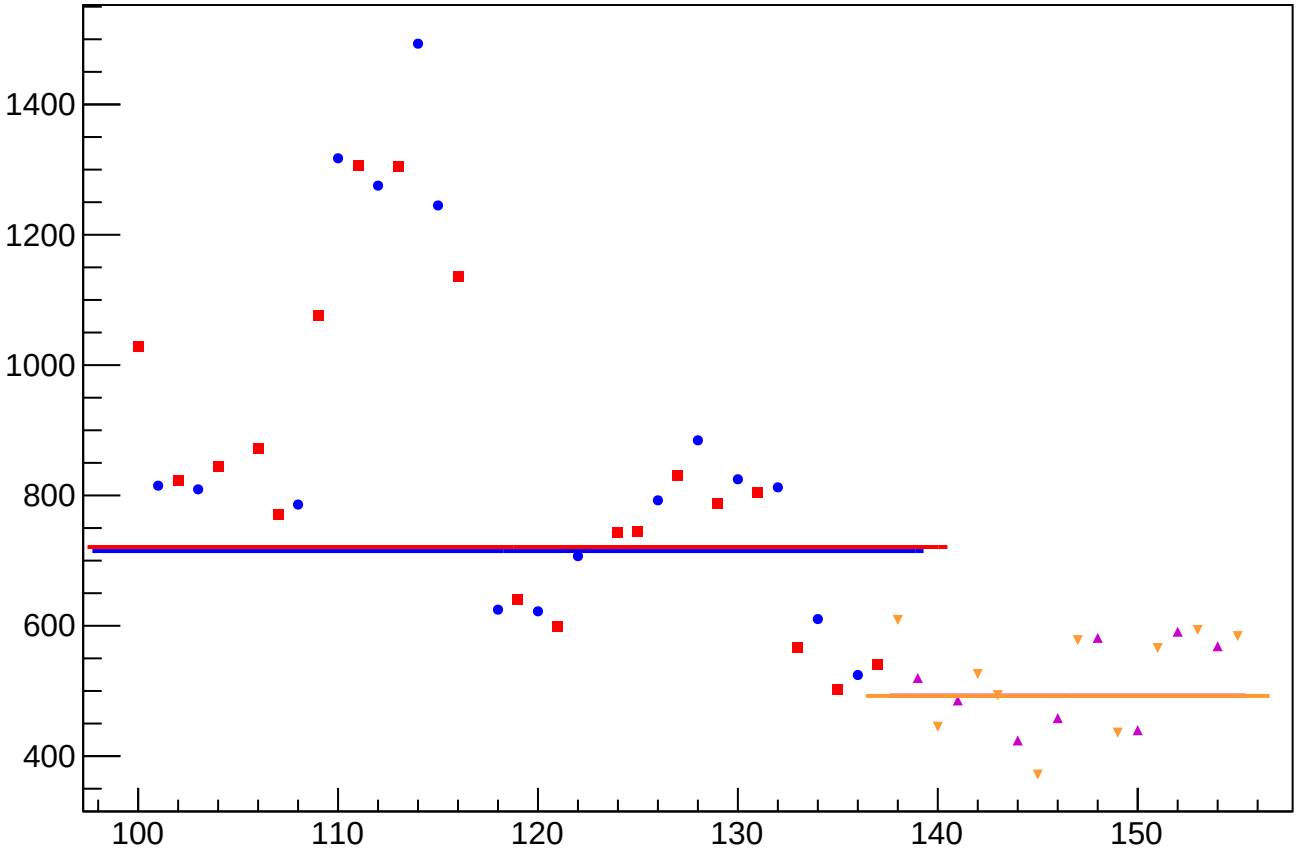
Left In: 275.124+/-188.934 χ^2/NDF:8.7/7

+ sign 398.234+/-149.954 χ^2/NDF: 25.9/25

All: 350.323+/-107.930 χ^2/NDF: 49.2/52

- sign 298.826+/-155.467 χ^2/NDF: 23.1/26

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 492.382+/-0.127 χ^2/NDF:429153.6/9

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

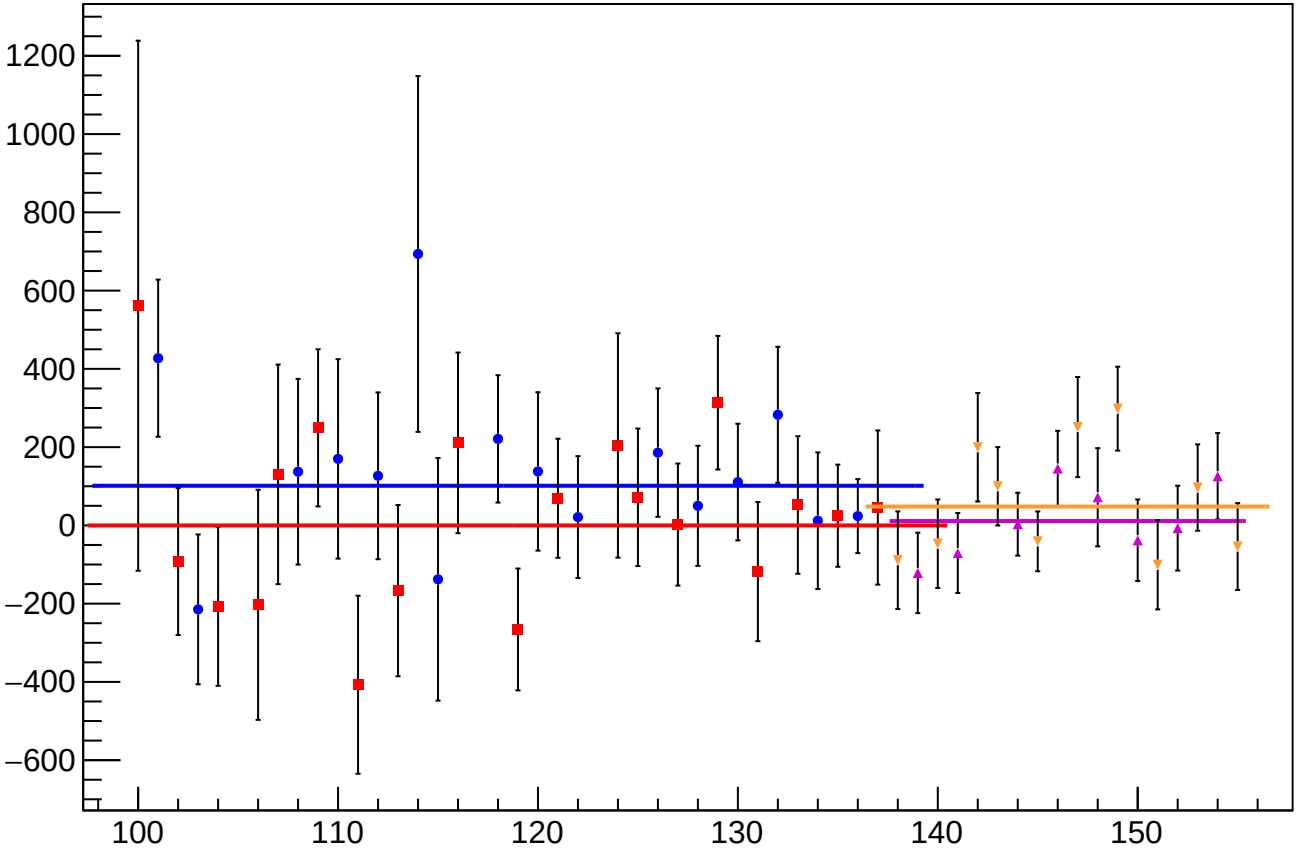
Left In: 492.856+/-0.134 χ^2/NDF:203681.5/7

\+ sign 558.689+/-0.106 χ^2/NDF: 2225252.7/25

All: 562.446+/-0.076 χ^2/NDF: 4390669.1/52

\- sign 566.485+/-0.110 χ^2/NDF: 2162811.0/26

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 48.121+/-34.222 χ^2/NDF:15.4/9

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

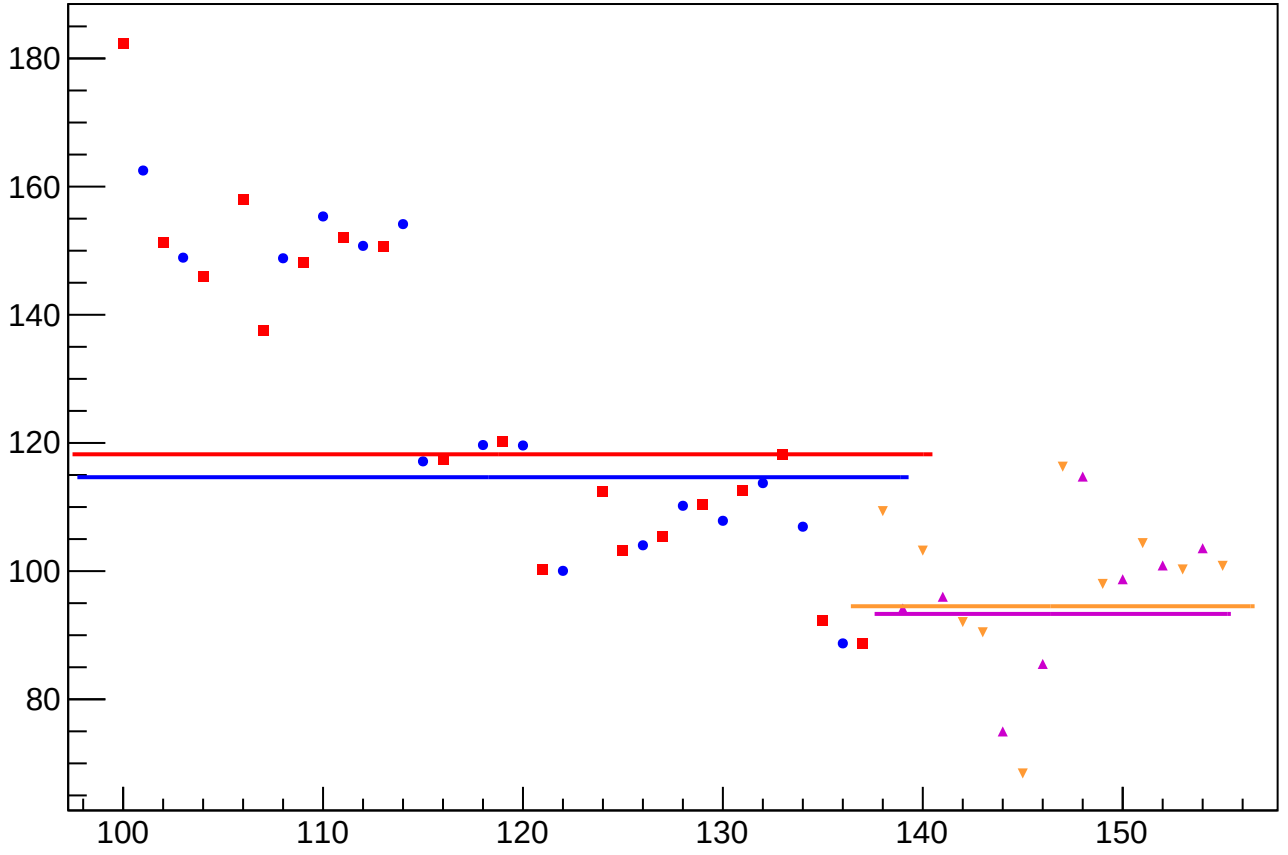
Left In: 11.099+/-35.904 χ^2/NDF:5.8/7

+ sign 68.438+/-26.899 χ^2/NDF: 27.4/25

All: 38.575+/-19.340 χ^2/NDF: 52.4/52

- sign 6.617+/-27.827 χ^2/NDF: 22.5/26

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 94.521+/-0.024 χ^2/NDF:364228.1/9

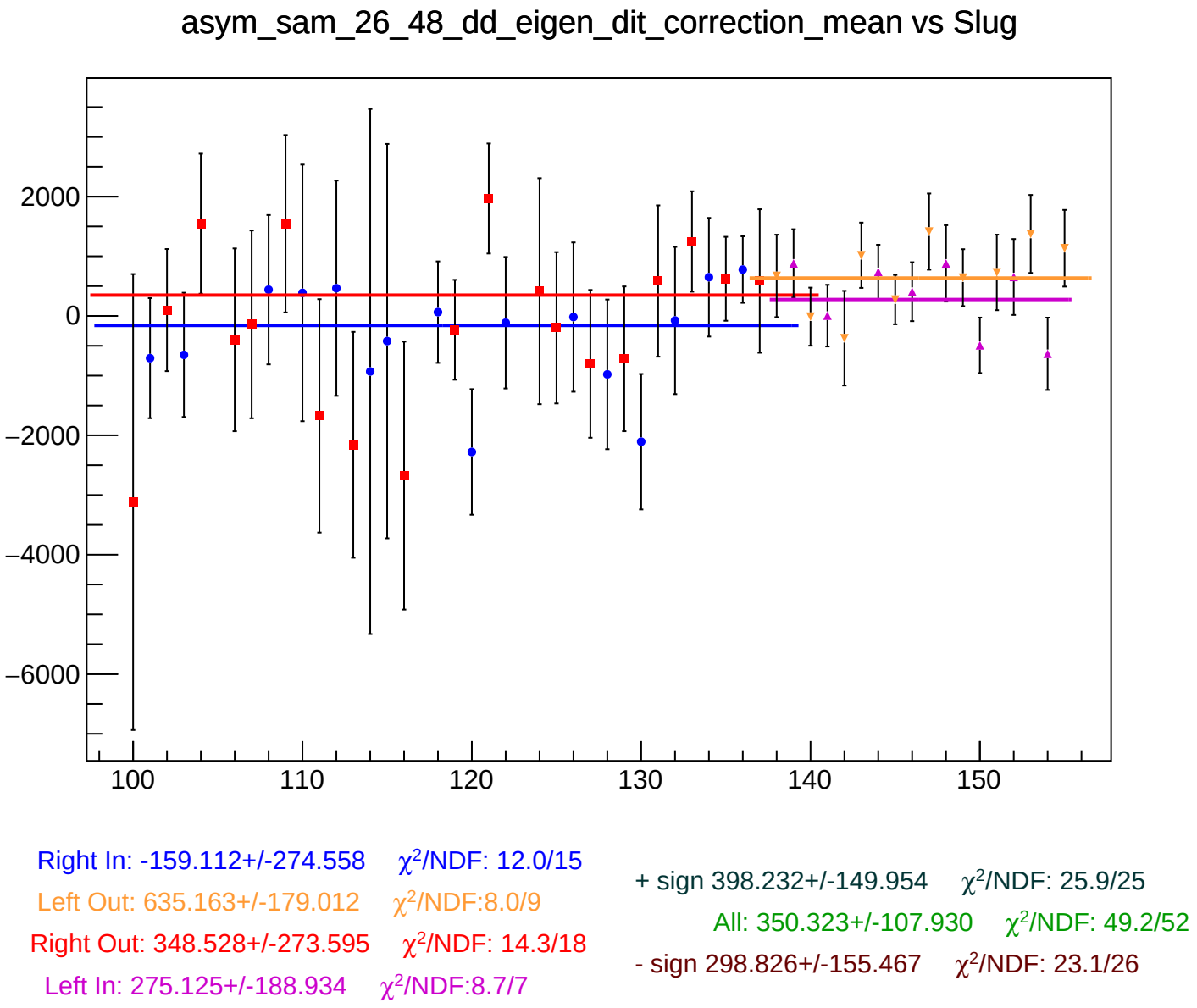
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

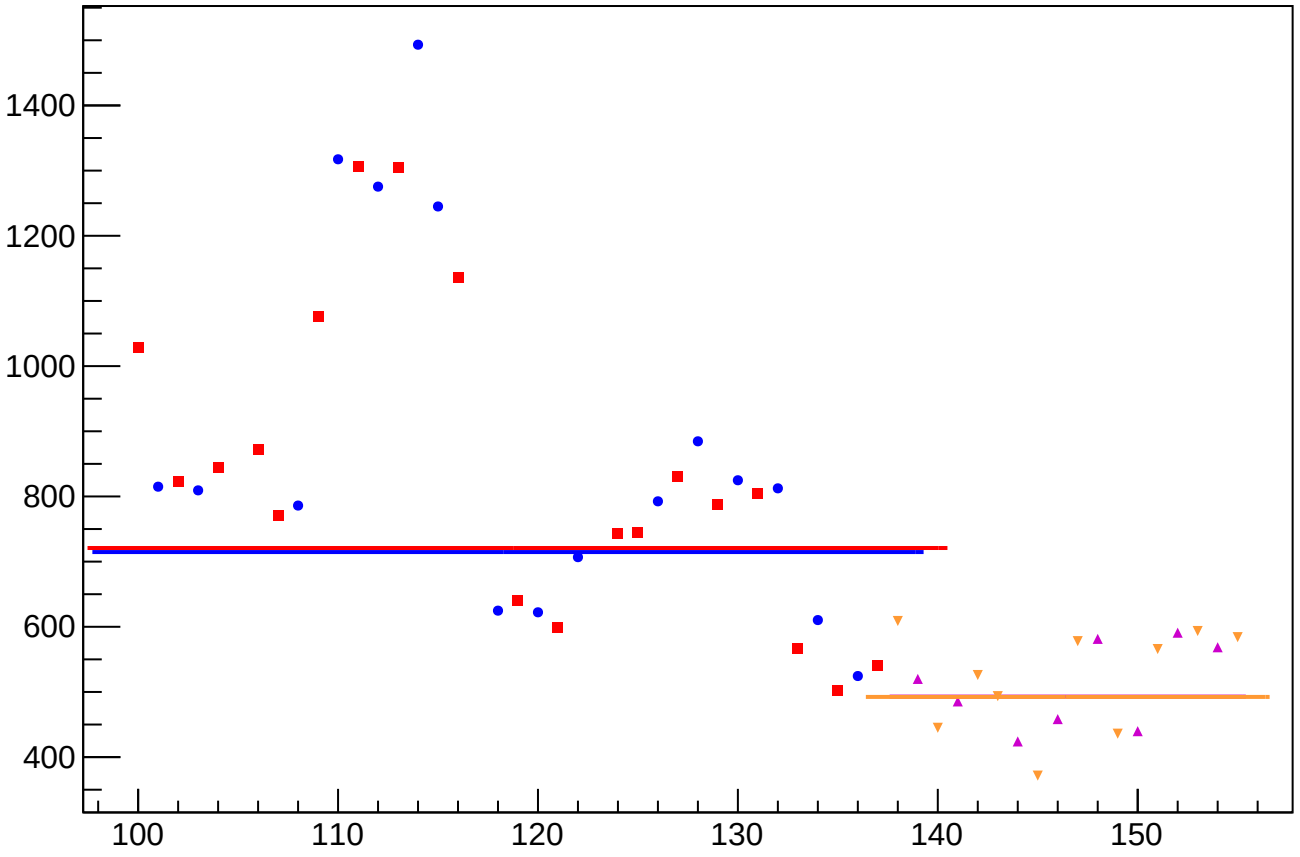
Left In: 93.323+/-0.025 χ^2/NDF:209528.7/7

+ sign 102.216+/-0.019 χ^2/NDF: 1160773.6/25

All: 102.725+/-0.014 χ^2/NDF: 2239545.3/52

- sign 103.269+/-0.020 χ^2/NDF: 1077290.7/26


asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -159.112+/-274.558 χ²/NDF: 12.0/15
Left Out: 635.163+/-179.012 χ²/NDF:8.0/9
Right Out: 348.528+/-273.595 χ²/NDF: 14.3/18
Left In: 275.125+/-188.934 χ²/NDF:8.7/7
+ sign 398.232+/-149.954 χ²/NDF: 25.9/25
All: 350.323+/-107.930 χ²/NDF: 49.2/52
- sign 298.826+/-155.467 χ²/NDF: 23.1/26



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 492.382+/-0.127 χ^2/NDF:429155.7/9

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

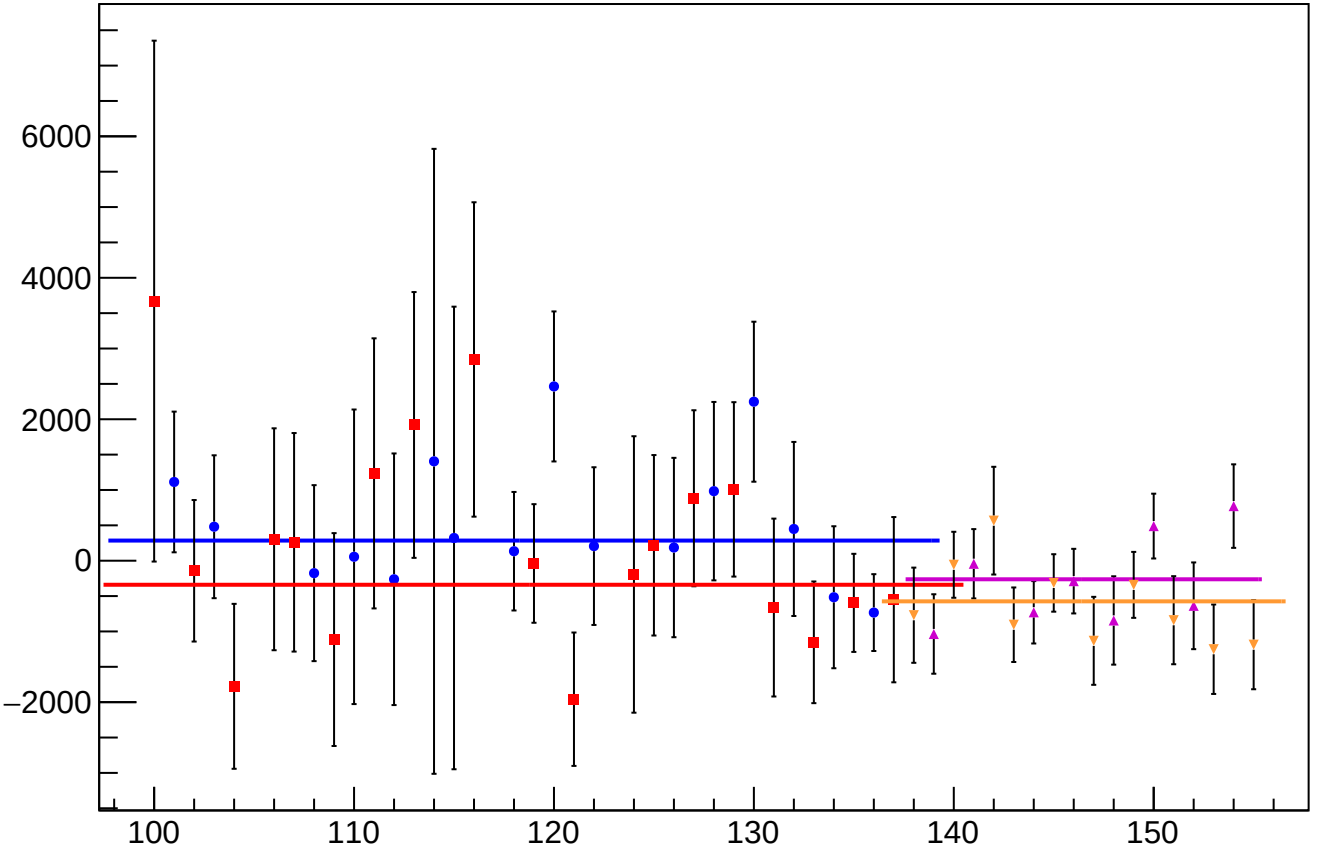
Left In: 492.856+/-0.134 χ^2/NDF:203680.1/7

+ sign 558.689+/-0.106 χ^2/NDF: 2225248.6/25

All: 562.447+/-0.076 χ^2/NDF: 4390652.9/52

- sign 566.485+/-0.110 χ^2/NDF: 2162798.9/26

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -574.538+/-174.136 χ^2/NDF:7.7/9

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

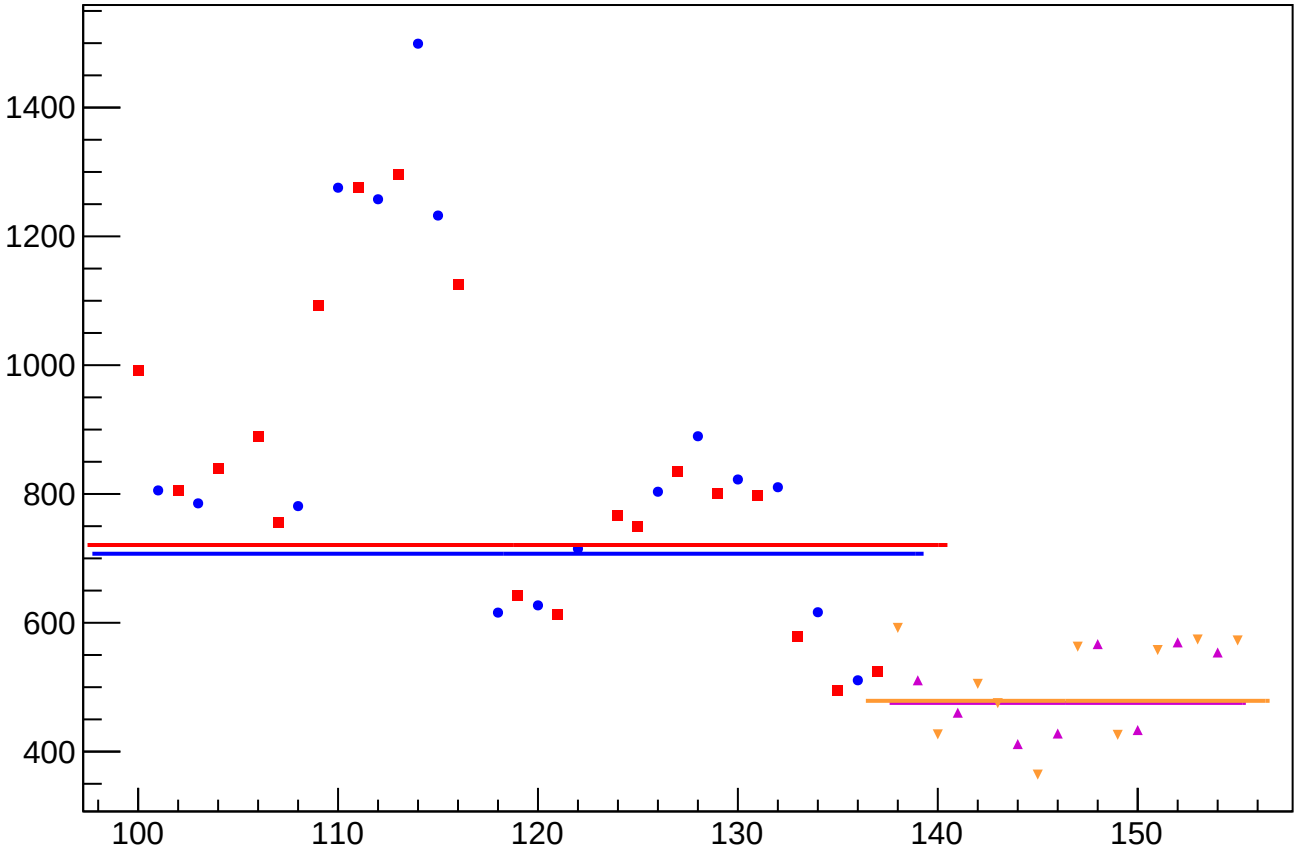
Left In: -262.569+/-182.196 χ^2/NDF:10.2/7

\+ sign -324.651+/-146.648 χ^2/NDF: 27.6/25

All: -306.148+/-105.419 χ^2/NDF: 52.0/52

\- sign -286.363+/-151.649 χ^2/NDF: 24.4/26

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 478.834+/-0.123 χ^2/NDF:427027.0/9

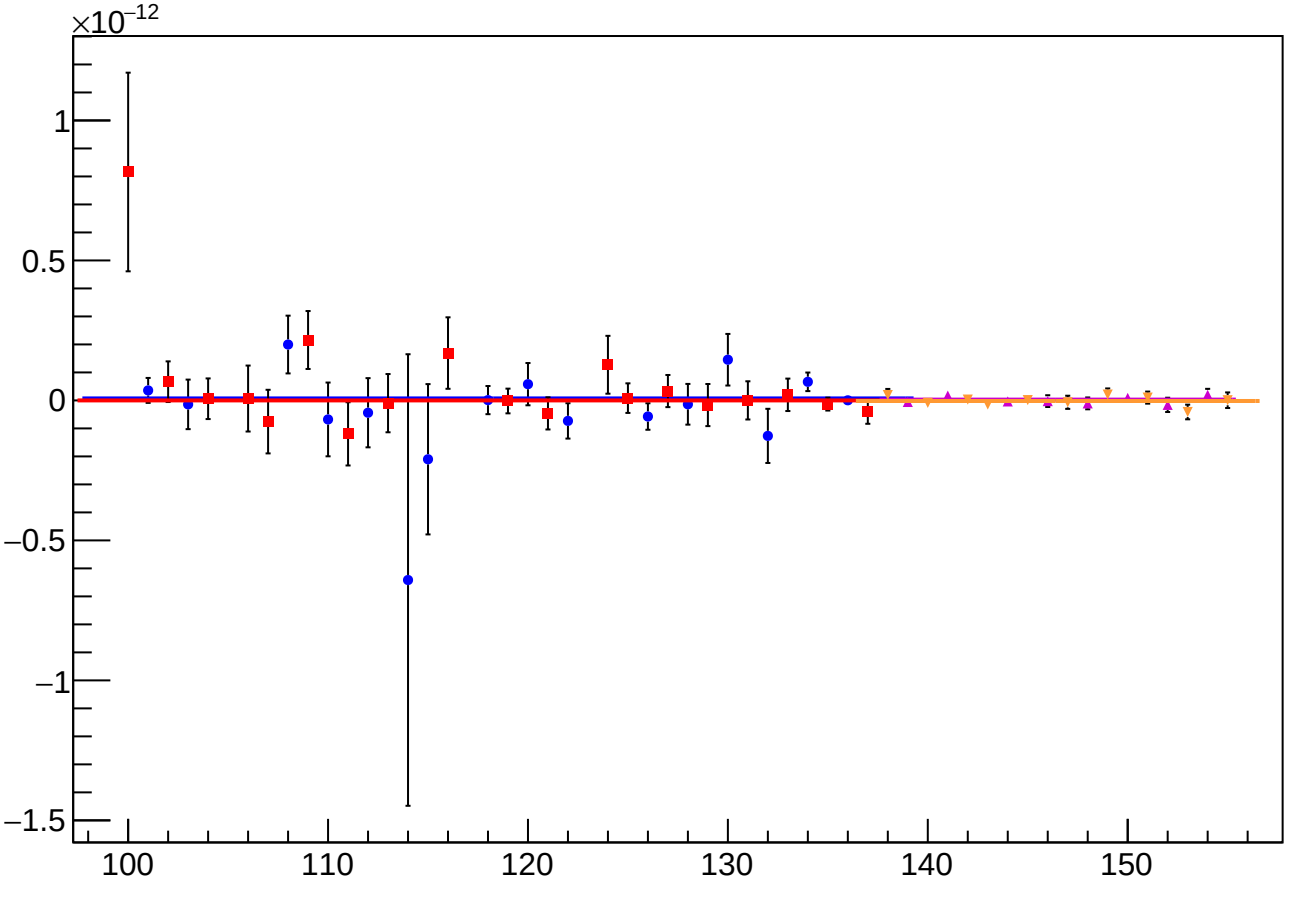
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 475.605+/-0.129 χ^2/NDF:215234.0/7

+ sign 545.245+/-0.104 χ^2/NDF: 2324040.5/25

All: 547.990+/-0.075 χ^2/NDF: 4668597.6/52

- sign 550.926+/-0.107 χ^2/NDF: 2343106.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/9

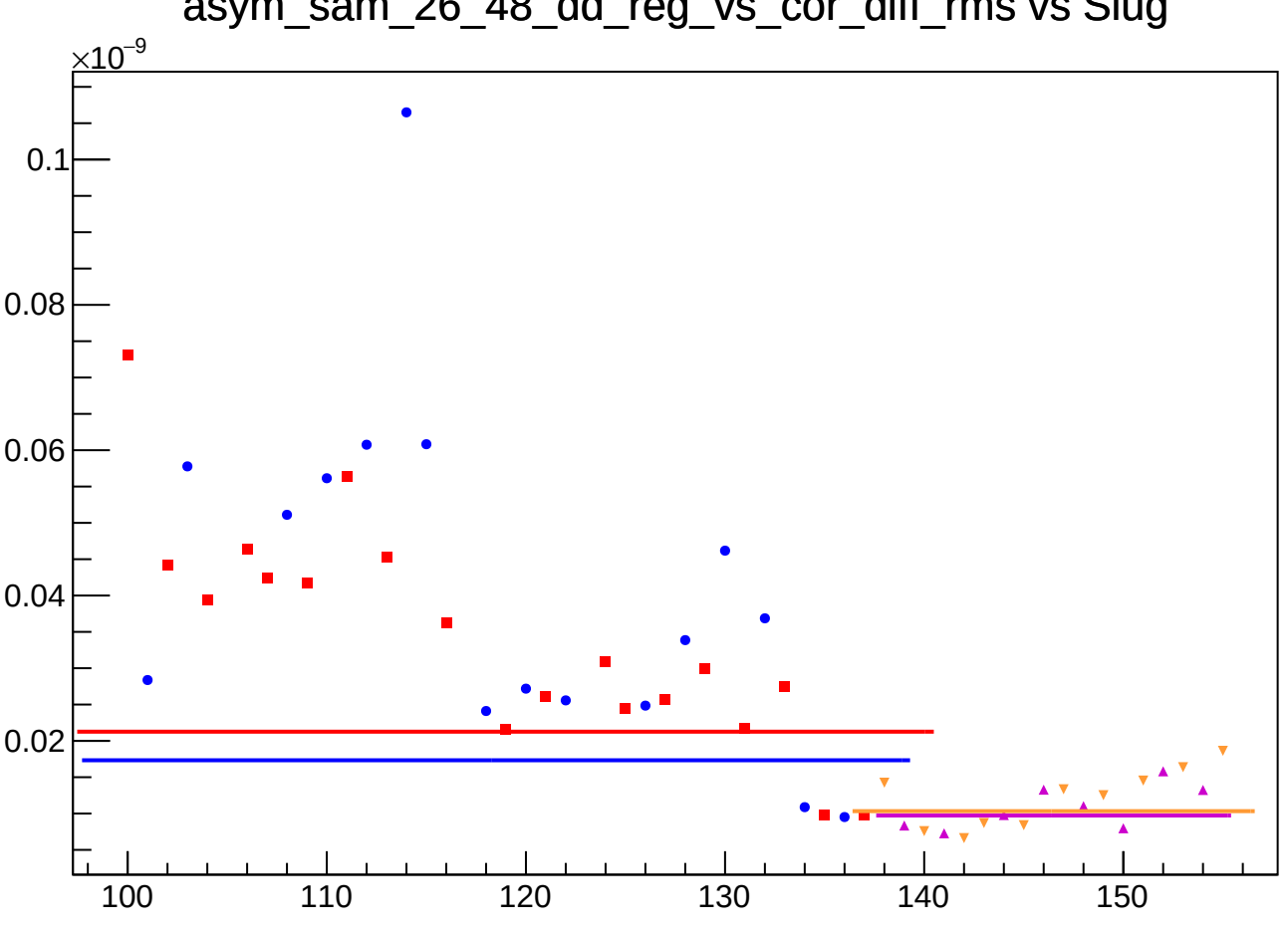
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.6/25

All: 0.000+/-0.000 χ^2/NDF: 45.0/52

- sign 0.000+/-0.000 χ^2/NDF: 21.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:724260.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

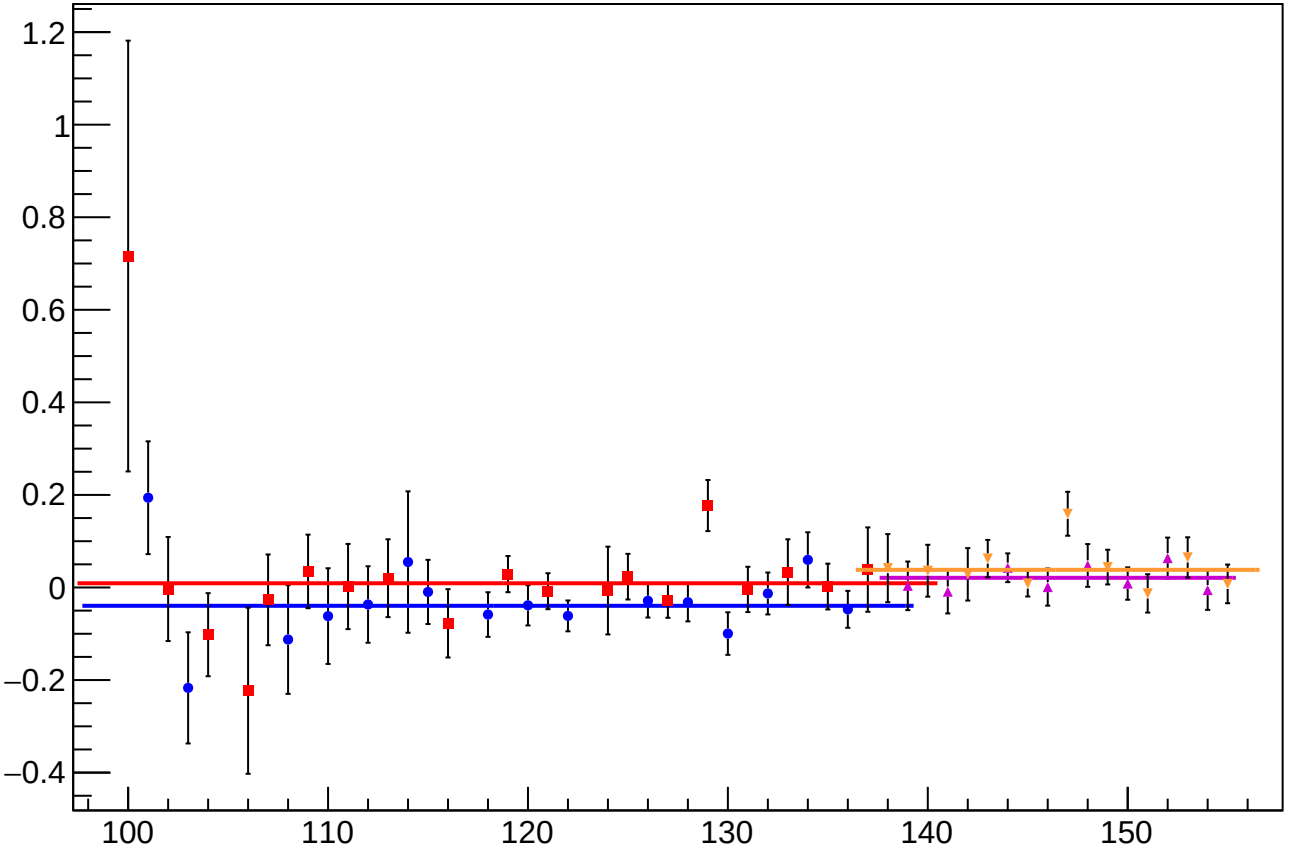
Left In: 0.000+/-0.000 χ^2/NDF:344882.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 3687783.8/25

All: 0.000+/-0.000 χ^2/NDF: 6944387.6/52

- sign 0.000+/-0.000 χ^2/NDF: 3256105.2/26

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: 0.038+/-0.013 χ^2/NDF:10.5/9

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

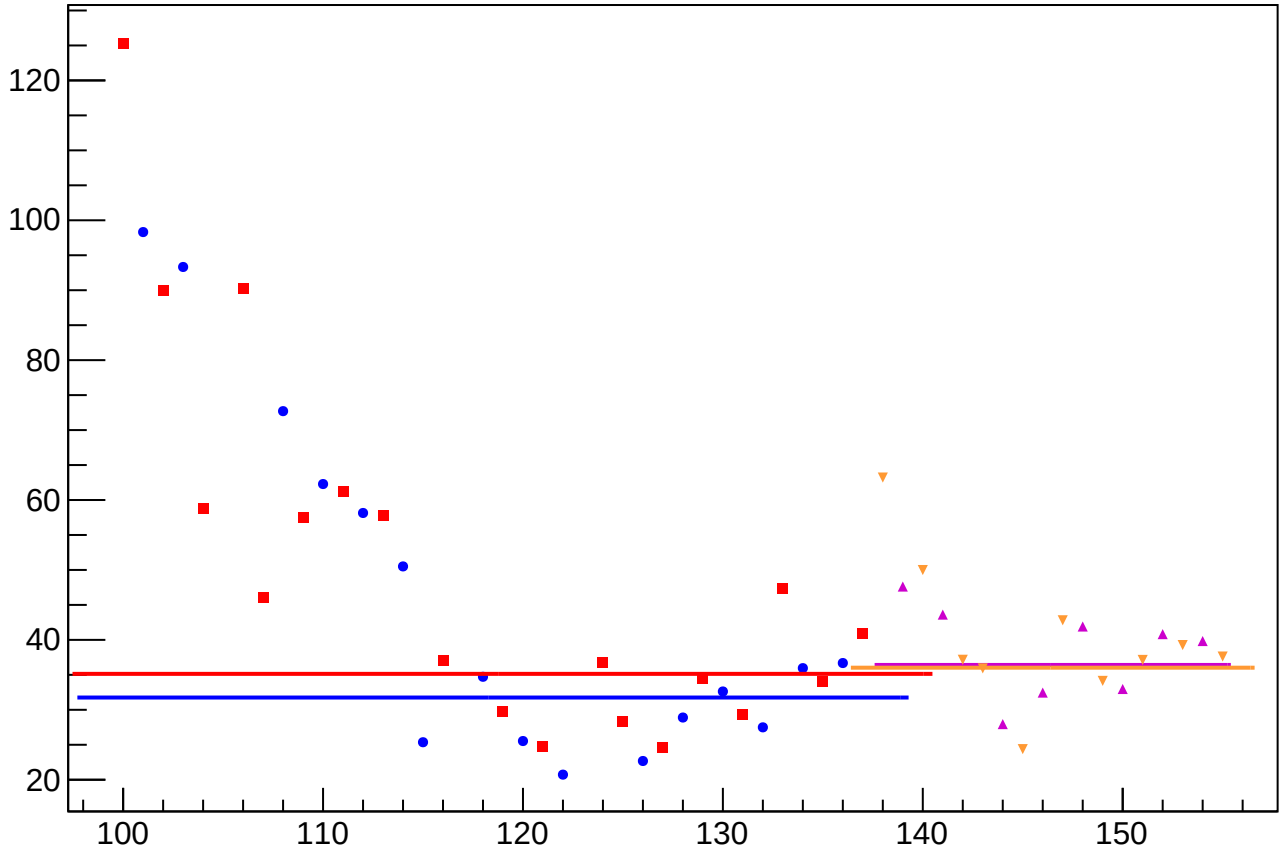
Left In: 0.021+/-0.014 χ^2/NDF:3.0/7

+ sign -0.002+/-0.009 χ^2/NDF: 39.9/25

All: 0.006+/-0.007 χ^2/NDF: 63.0/52

- sign 0.015+/-0.010 χ^2/NDF: 21.7/26

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.022+/-0.010 χ^2/NDF:801453.3/9

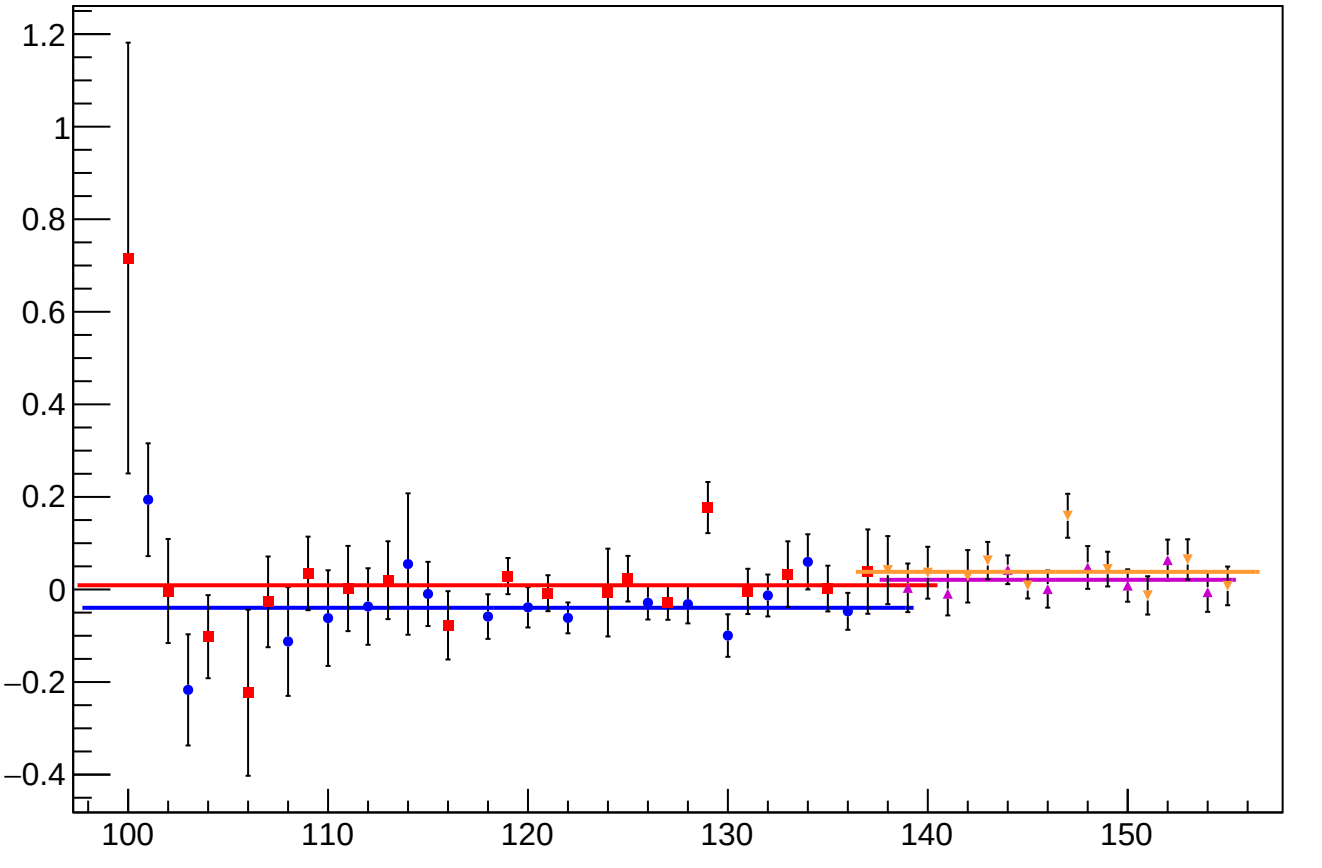
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.415+/-0.010 χ^2/NDF:386018.5/7

+ sign 33.843+/-0.007 χ^2/NDF: 3156698.9/25

All: 34.736+/-0.005 χ^2/NDF: 5434167.7/52

- sign 35.766+/-0.007 χ^2/NDF: 2238657.3/26



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.013 χ^2/NDF:10.5/9

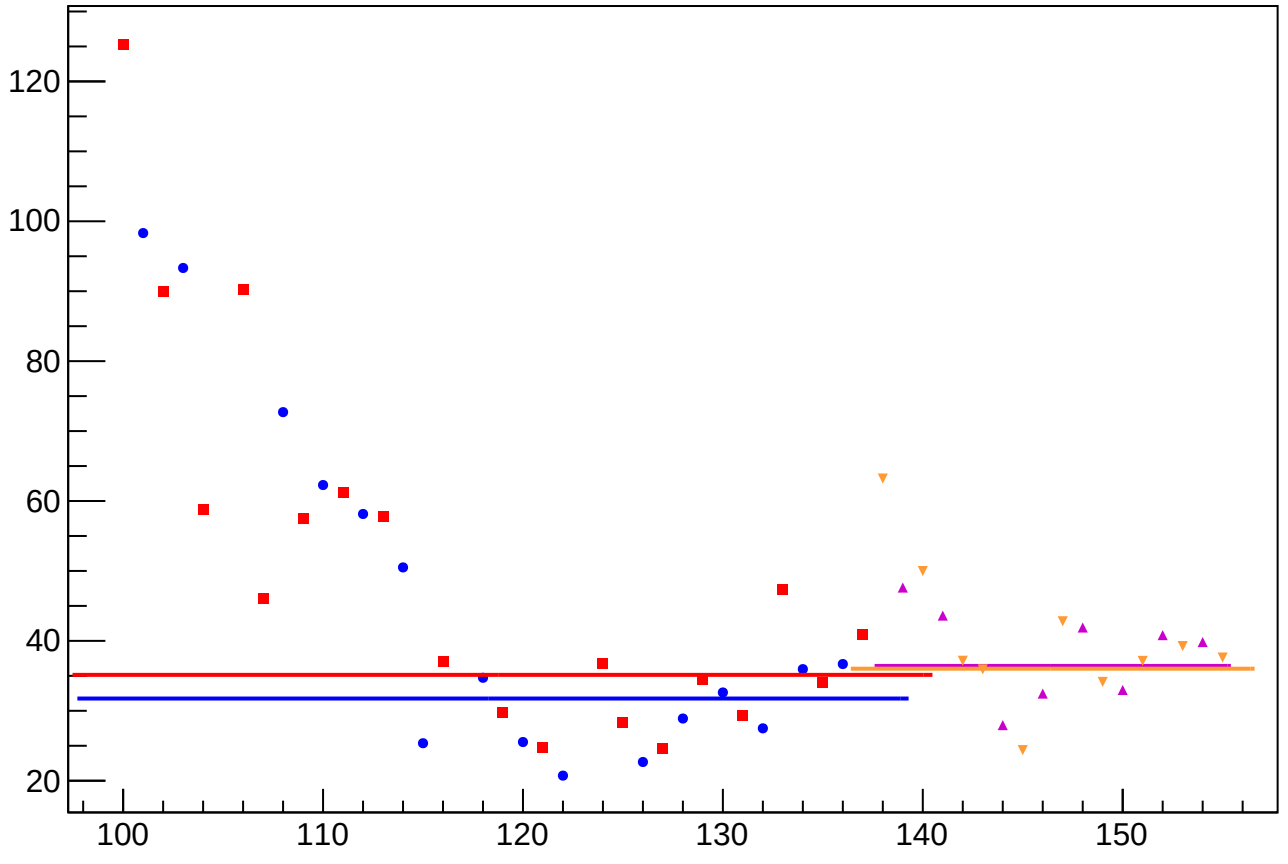
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.021+/-0.014 χ^2/NDF:3.0/7

+ sign -0.002+/-0.009 χ^2/NDF: 39.9/25

All: 0.006+/-0.007 χ^2/NDF: 63.0/52

- sign 0.015+/-0.010 χ^2/NDF: 21.7/26



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.022+/-0.010 χ^2/NDF:801453.3/9

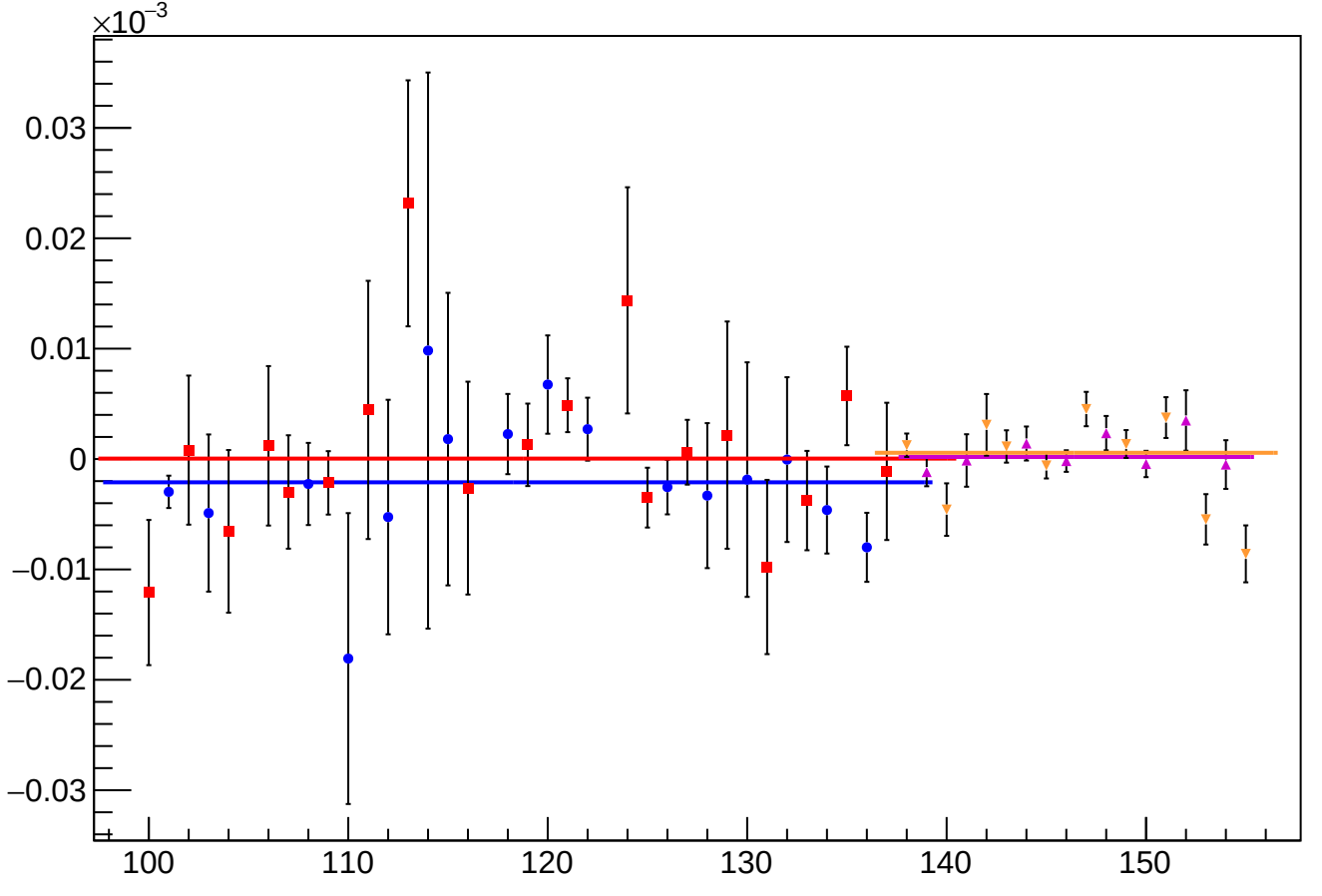
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.415+/-0.010 χ^2/NDF:386018.5/7

+ sign 33.843+/-0.007 χ^2/NDF: 3156698.9/25

All: 34.736+/-0.005 χ^2/NDF: 5434167.7/52

- sign 35.766+/-0.007 χ^2/NDF: 2238657.3/26



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/9

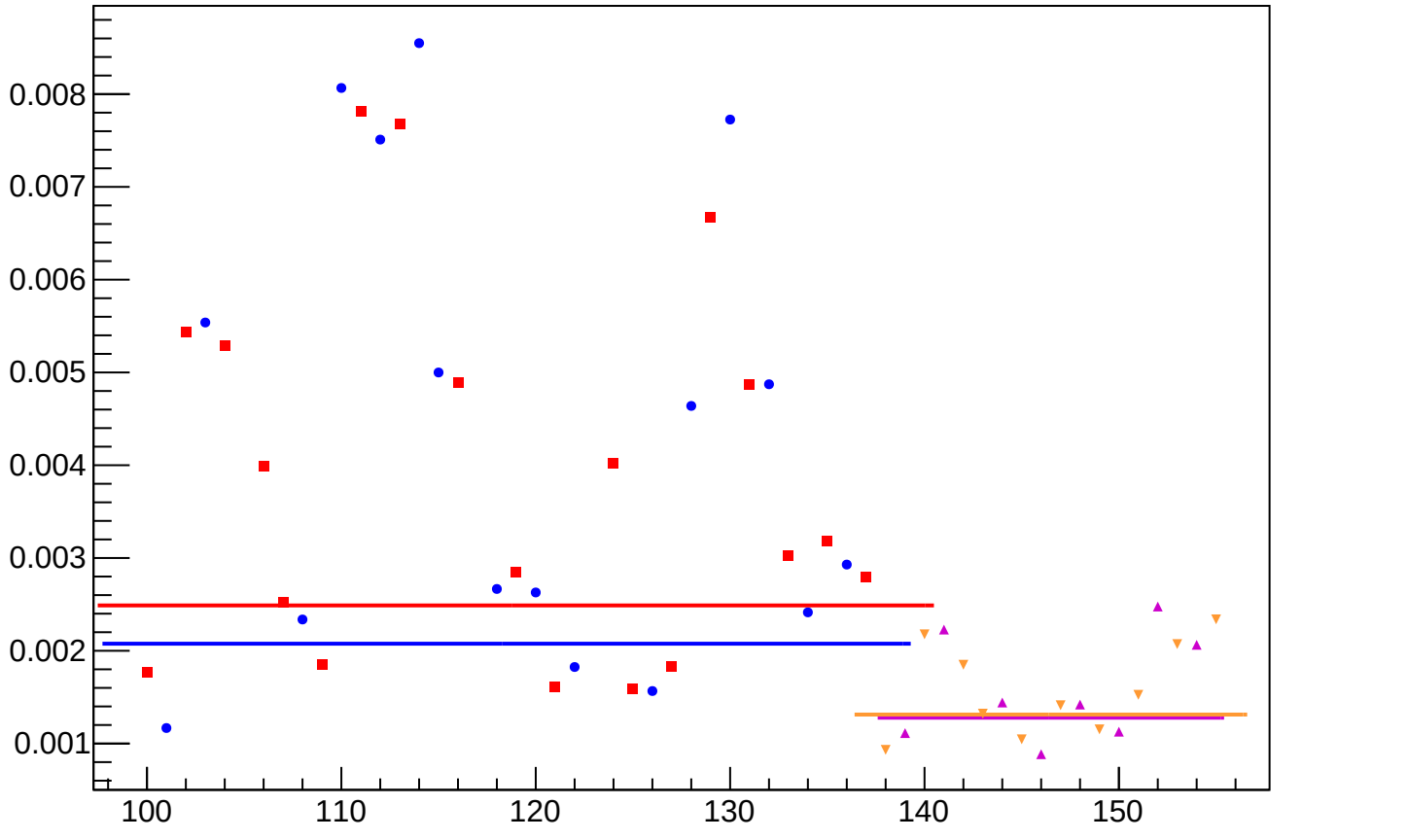
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/7

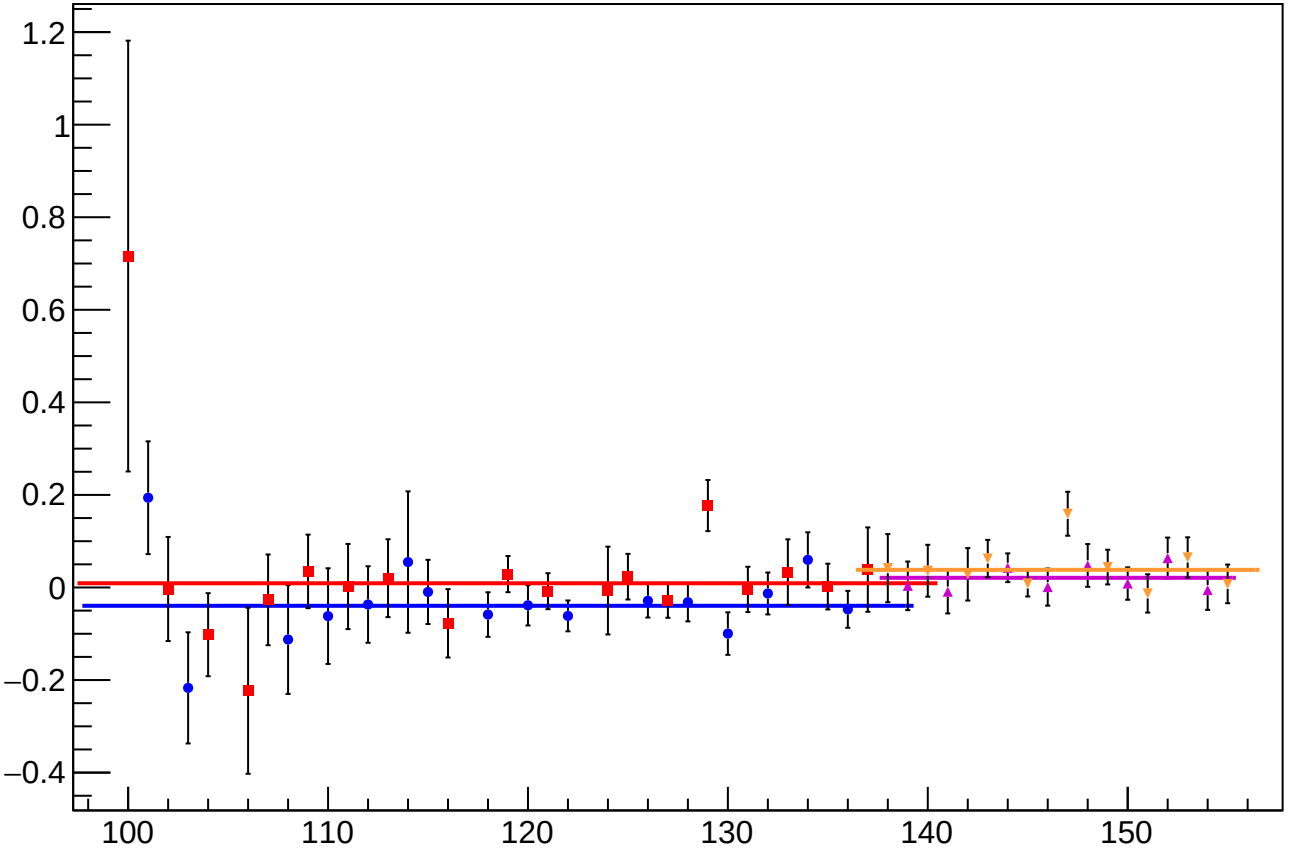
+ sign -0.000+/-0.000 χ^2/NDF: 57.8/25

All: 0.000+/-0.000 χ^2/NDF: 85.0/52

- sign 0.000+/-0.000 χ^2/NDF: 27.1/26


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 3916668.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1302724.9/9
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:1385601.0/7
+ sign 0.001+/-0.000 χ²/NDF: 6305933.4/25
All: 0.002+/-0.000 χ²/NDF: 12948764.6/52
- sign 0.002+/-0.000 χ²/NDF: 6637960.8/26

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.013 χ^2/NDF:10.5/9

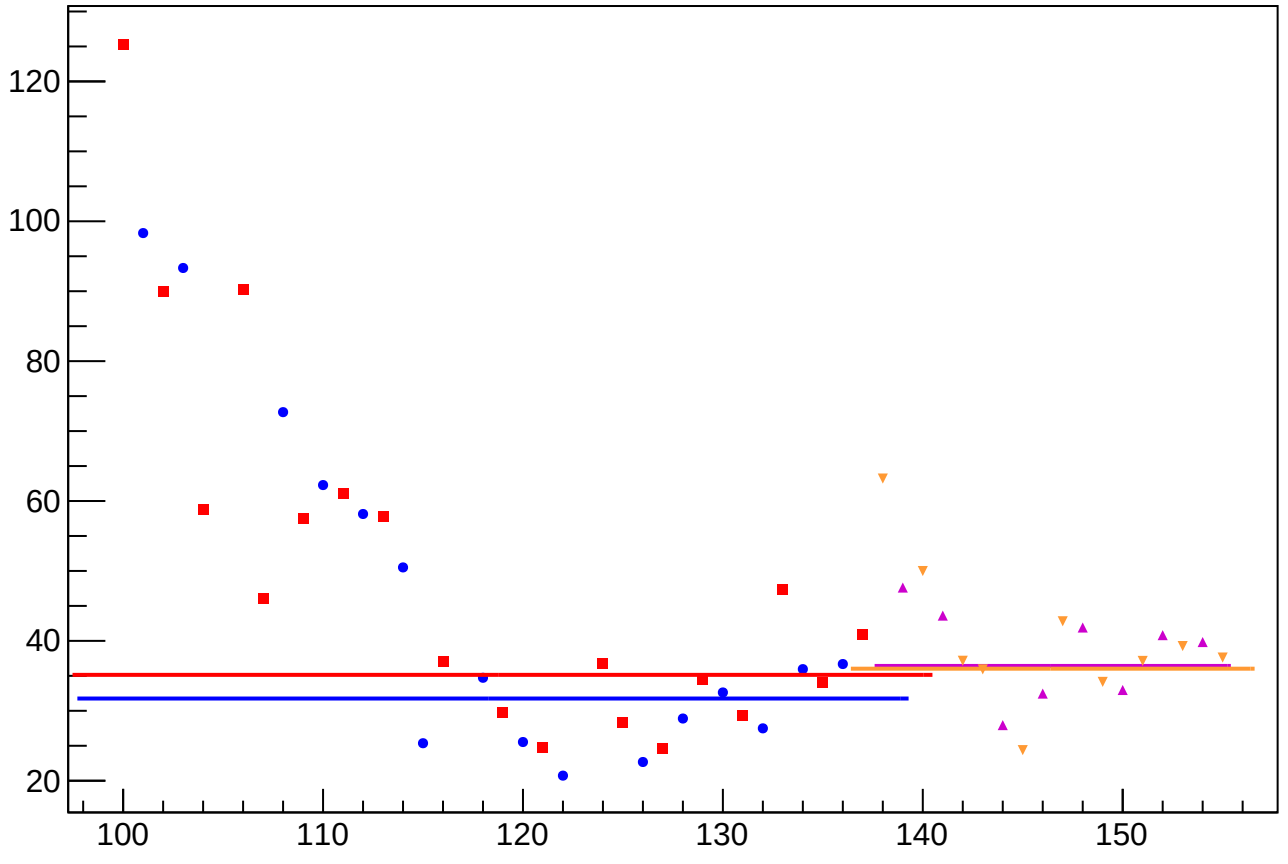
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.021+/-0.014 χ^2/NDF:3.0/7

+ sign -0.002+/-0.009 χ^2/NDF: 39.9/25

All: 0.006+/-0.007 χ^2/NDF: 63.0/52

- sign 0.015+/-0.010 χ^2/NDF: 21.7/26



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.022+/-0.010 χ^2/NDF:801496.9/9

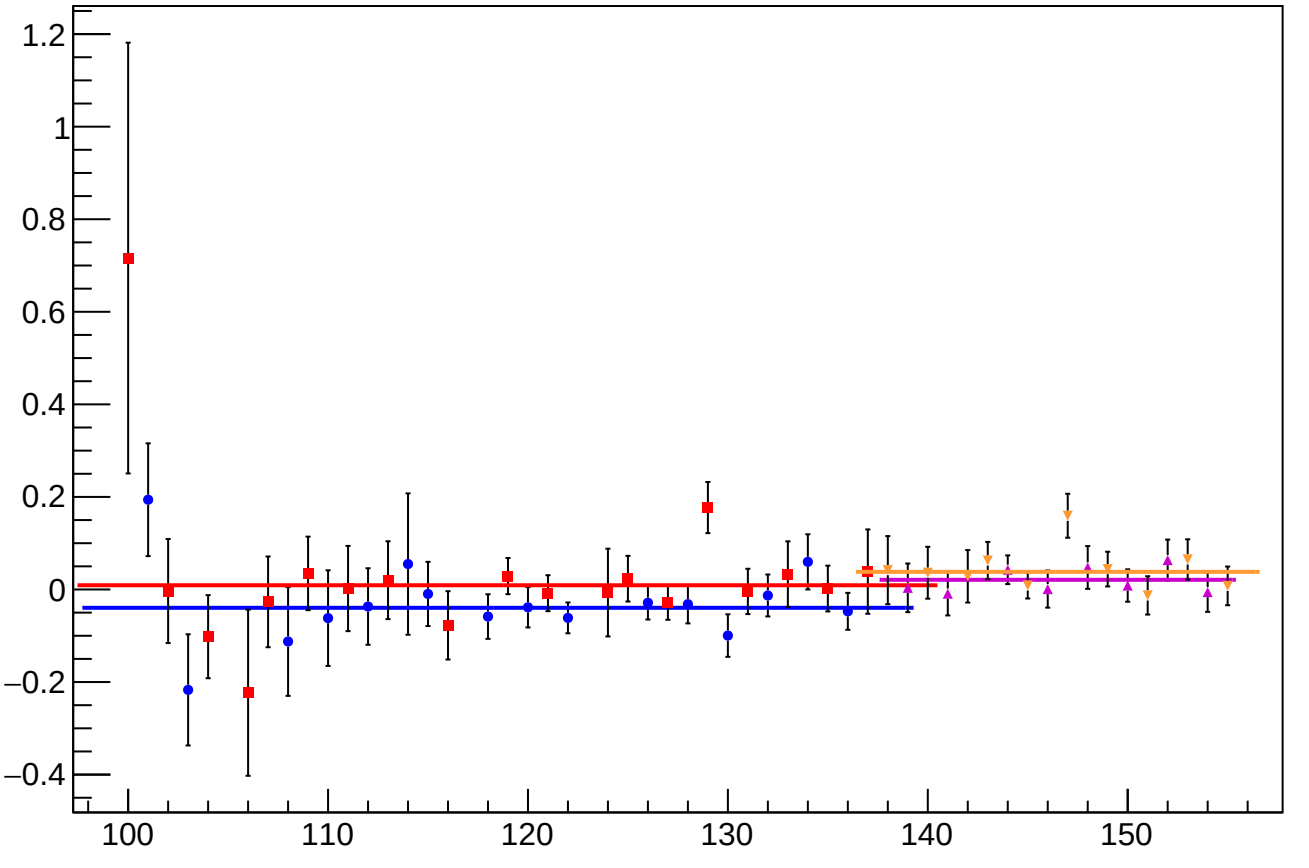
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.415+/-0.010 χ^2/NDF:386020.5/7

+ sign 33.844+/-0.007 χ^2/NDF: 3156695.9/25

All: 34.736+/-0.005 χ^2/NDF: 5434061.1/52

- sign 35.766+/-0.007 χ^2/NDF: 2238550.2/26



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.013 χ^2/NDF:10.5/9

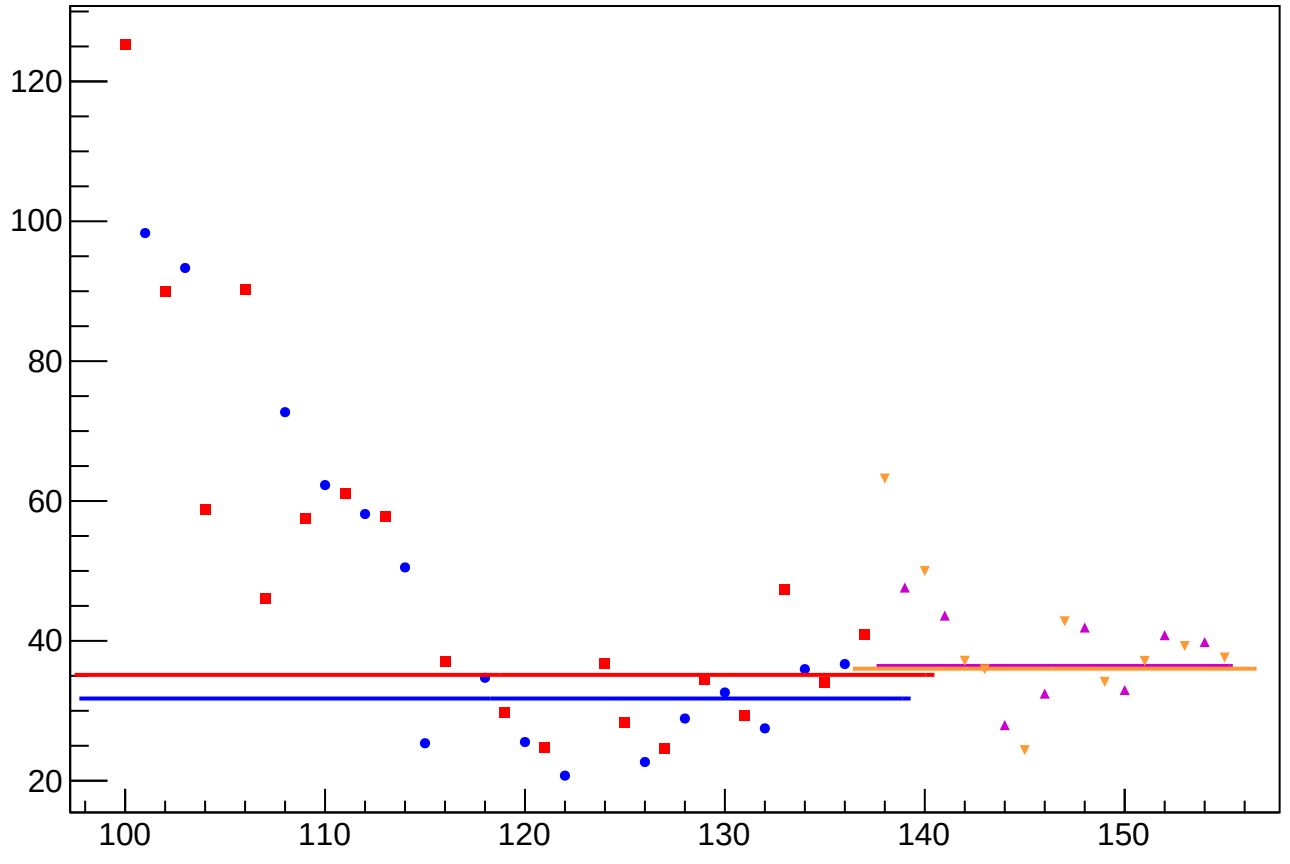
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.021+/-0.014 χ^2/NDF:3.0/7

+ sign -0.002+/-0.009 χ^2/NDF: 39.9/25

All: 0.006+/-0.007 χ^2/NDF: 63.0/52

- sign 0.015+/-0.010 χ^2/NDF: 21.7/26



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.022+/-0.010 χ^2/NDF:801496.9/9

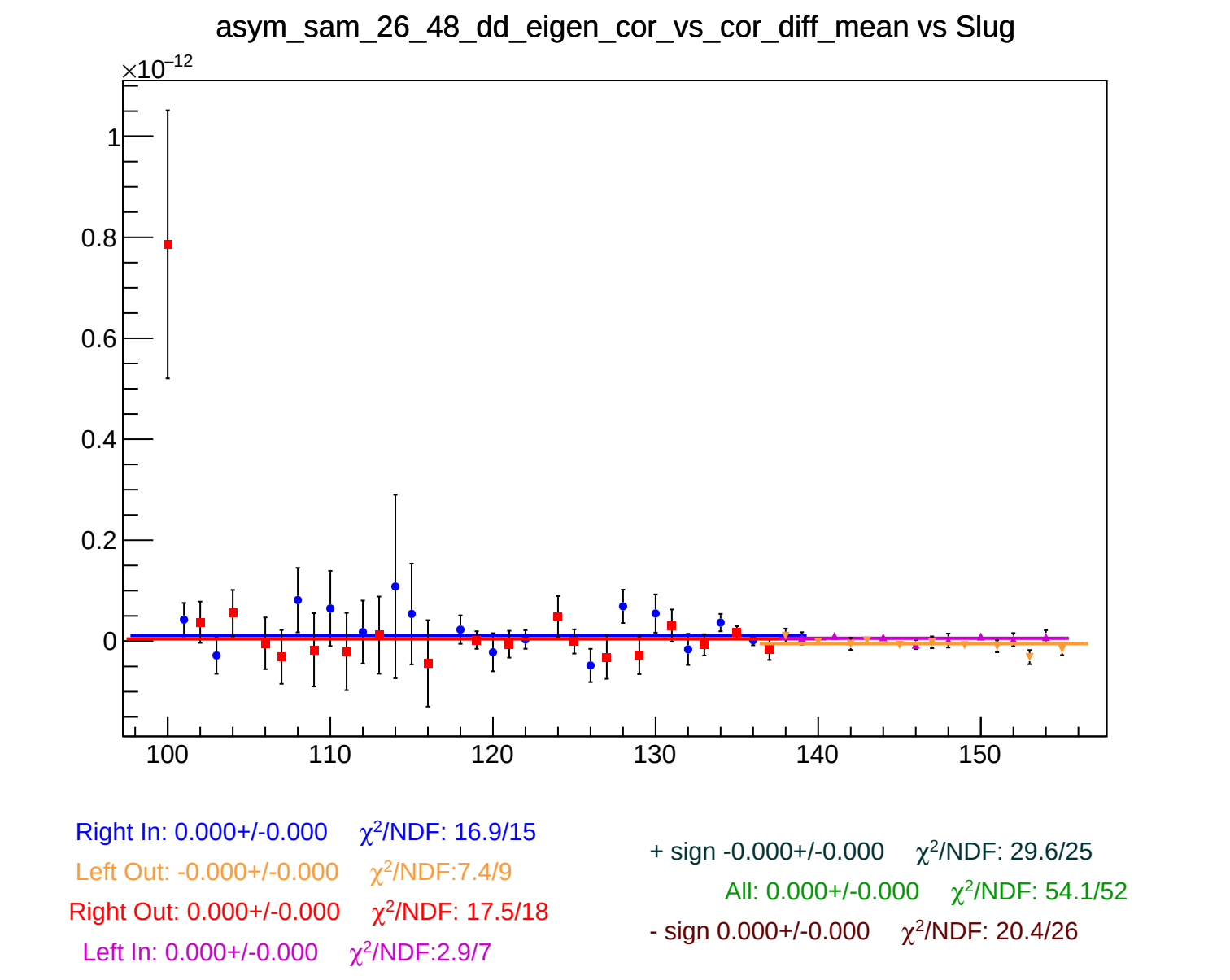
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

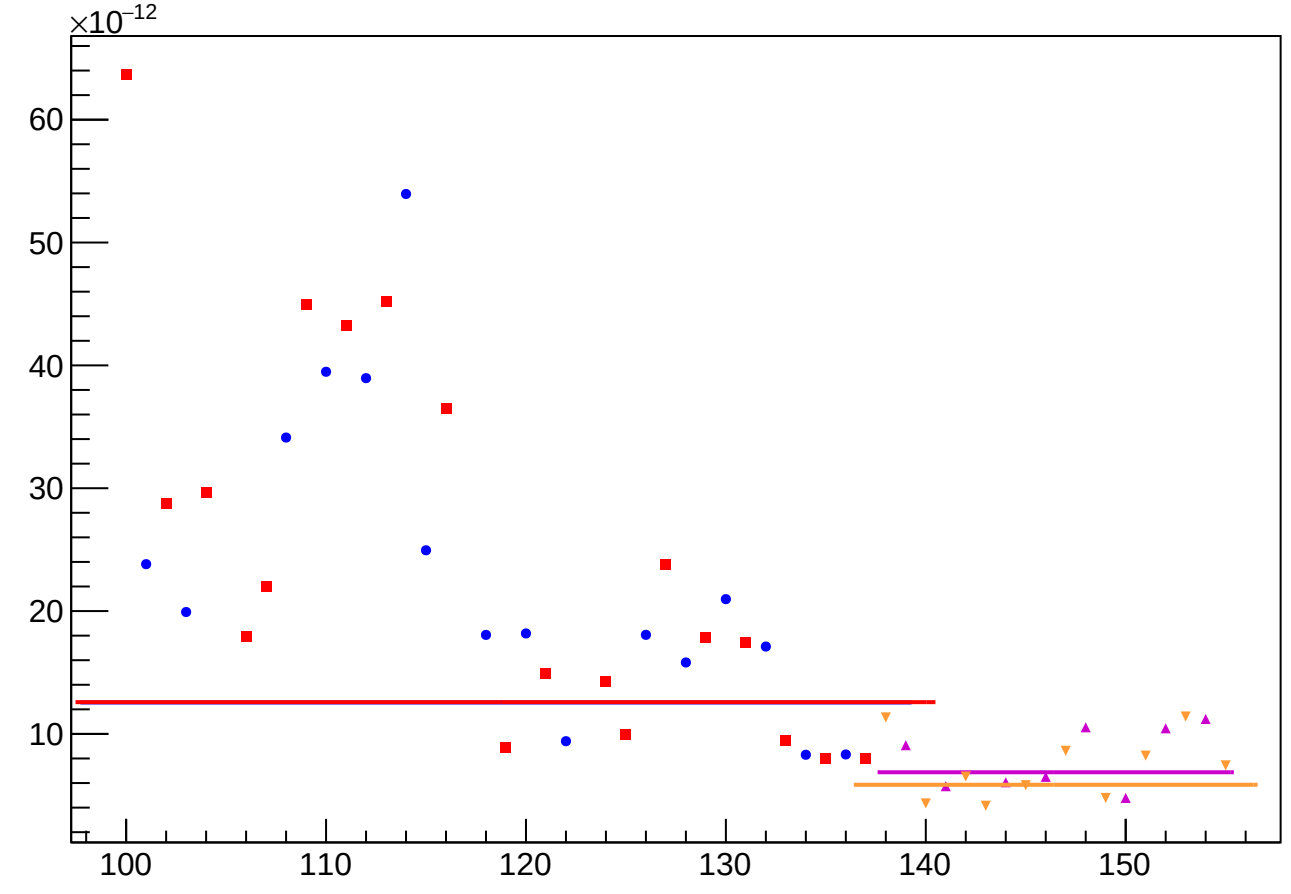
Left In: 36.415+/-0.010 χ^2/NDF:386020.5/7

+ sign 33.844+/-0.007 χ^2/NDF: 3156695.9/25

All: 34.736+/-0.005 χ^2/NDF: 5434061.1/52

- sign 35.766+/-0.007 χ^2/NDF: 2238550.2/26


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
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:7.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:2.9/7
+ sign -0.000+/-0.000 χ²/NDF: 29.6/25
All: 0.000+/-0.000 χ²/NDF: 54.1/52
- sign 0.000+/-0.000 χ²/NDF: 20.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1161116.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

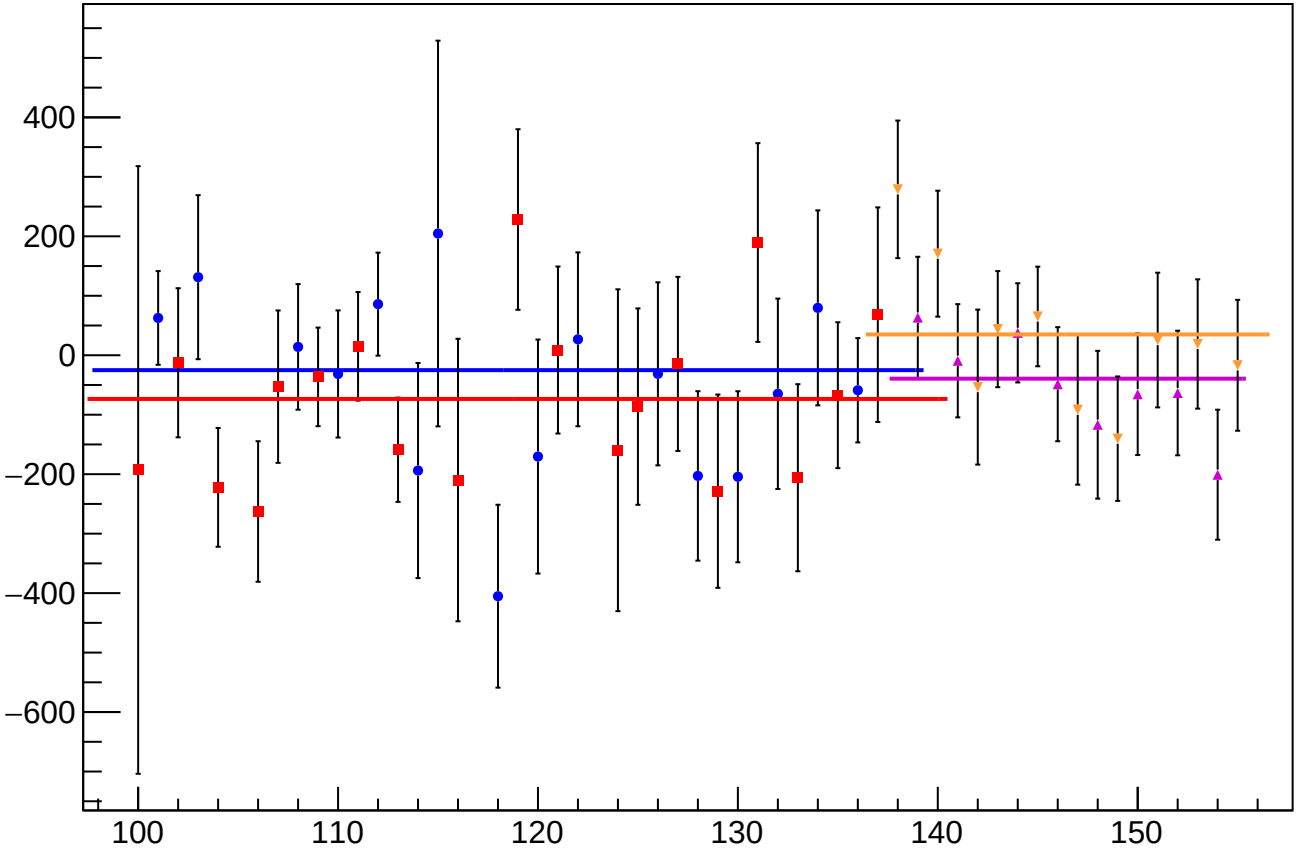
Left In: 0.000+/-0.000 χ^2/NDF:795159.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 5146076.3/25

All: 0.000+/-0.000 χ^2/NDF: 10024575.8/52

- sign 0.000+/-0.000 χ^2/NDF: 4720833.8/26

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 34.992+/-33.907 χ^2/NDF:10.8/9

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

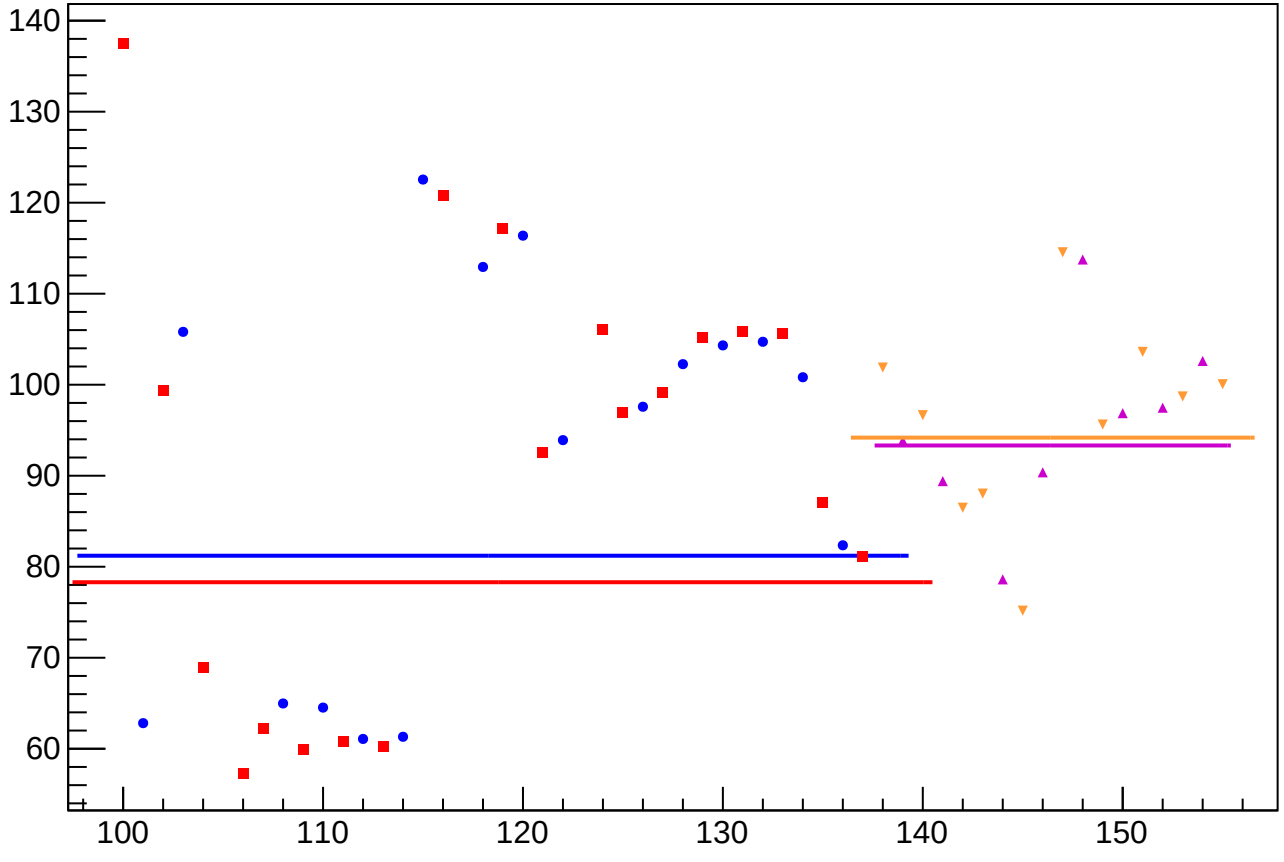
Left In: -39.382+/-35.496 χ^2/NDF:4.7/7

+ sign 2.496+/-22.971 χ^2/NDF: 28.7/25

All: -28.517+/-16.212 χ^2/NDF: 54.3/52

- sign -59.295+/-22.884 χ^2/NDF: 22.0/26

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 94.187+/-0.024 χ^2/NDF:203583.4/9

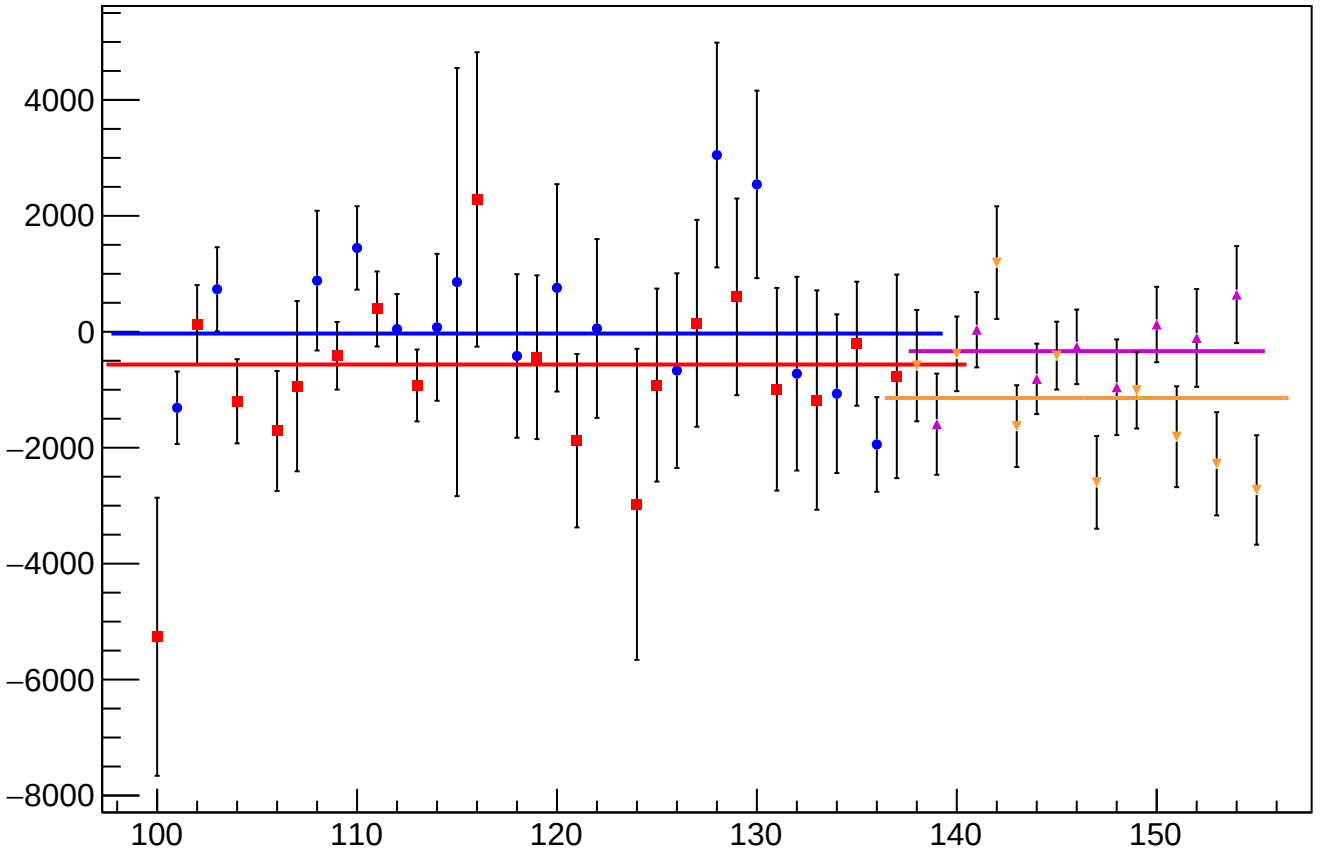
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 93.323+/-0.025 χ^2/NDF:141584.5/7

+ sign 87.166+/-0.016 χ^2/NDF: 1149764.8/25

All: 85.849+/-0.011 χ^2/NDF: 2448537.6/52

- sign 84.543+/-0.016 χ^2/NDF: 1285684.6/26



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1142.291+/-242.071 χ^2/NDF:17.9/9

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

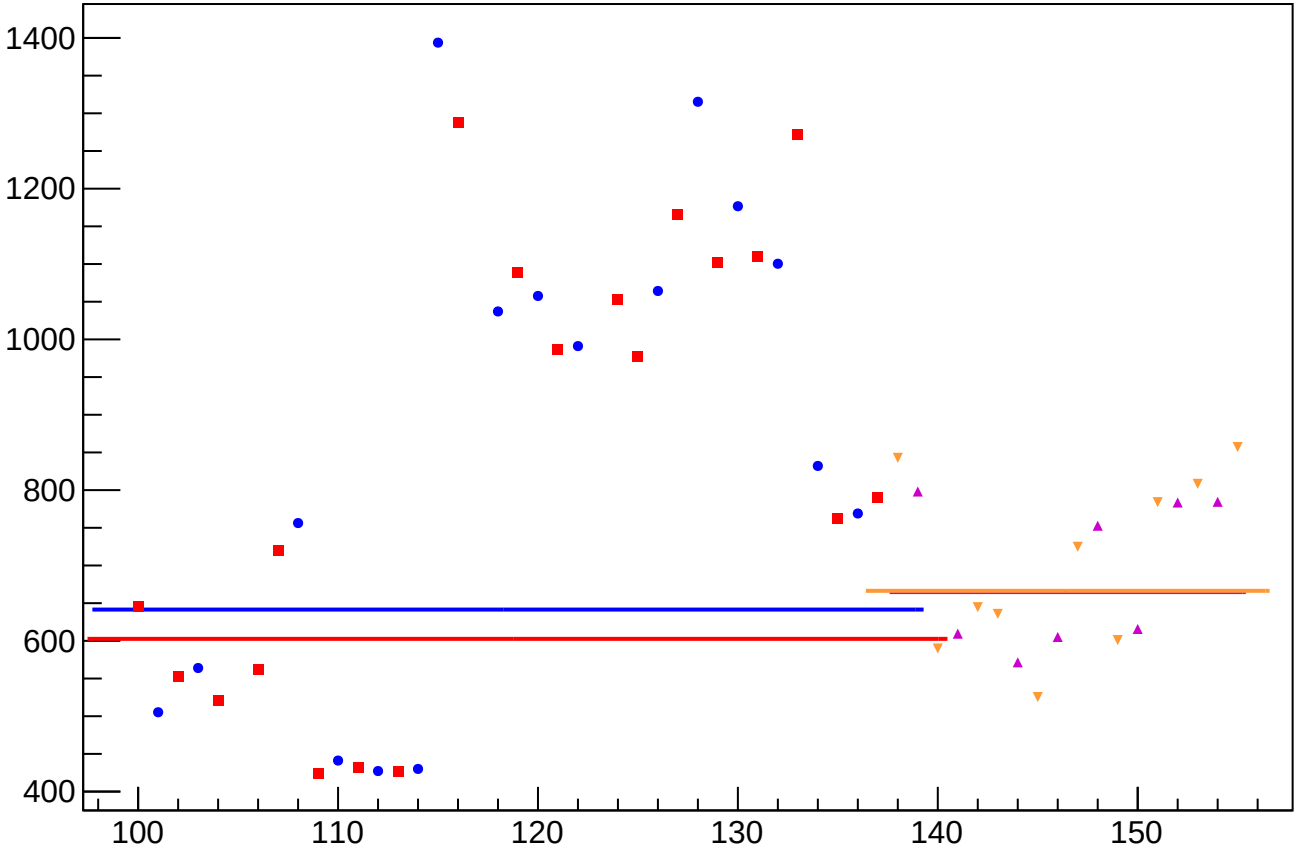
Left In: -334.490+/-254.243 χ^2/NDF:5.5/7

+ sign -619.578+/-176.211 χ^2/NDF: 49.7/25

All: -537.259+/-123.790 χ^2/NDF: 69.4/52

- sign -457.048+/-173.941 χ^2/NDF: 19.3/26

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 666.381+/-0.171 χ^2/NDF:416014.5/9

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

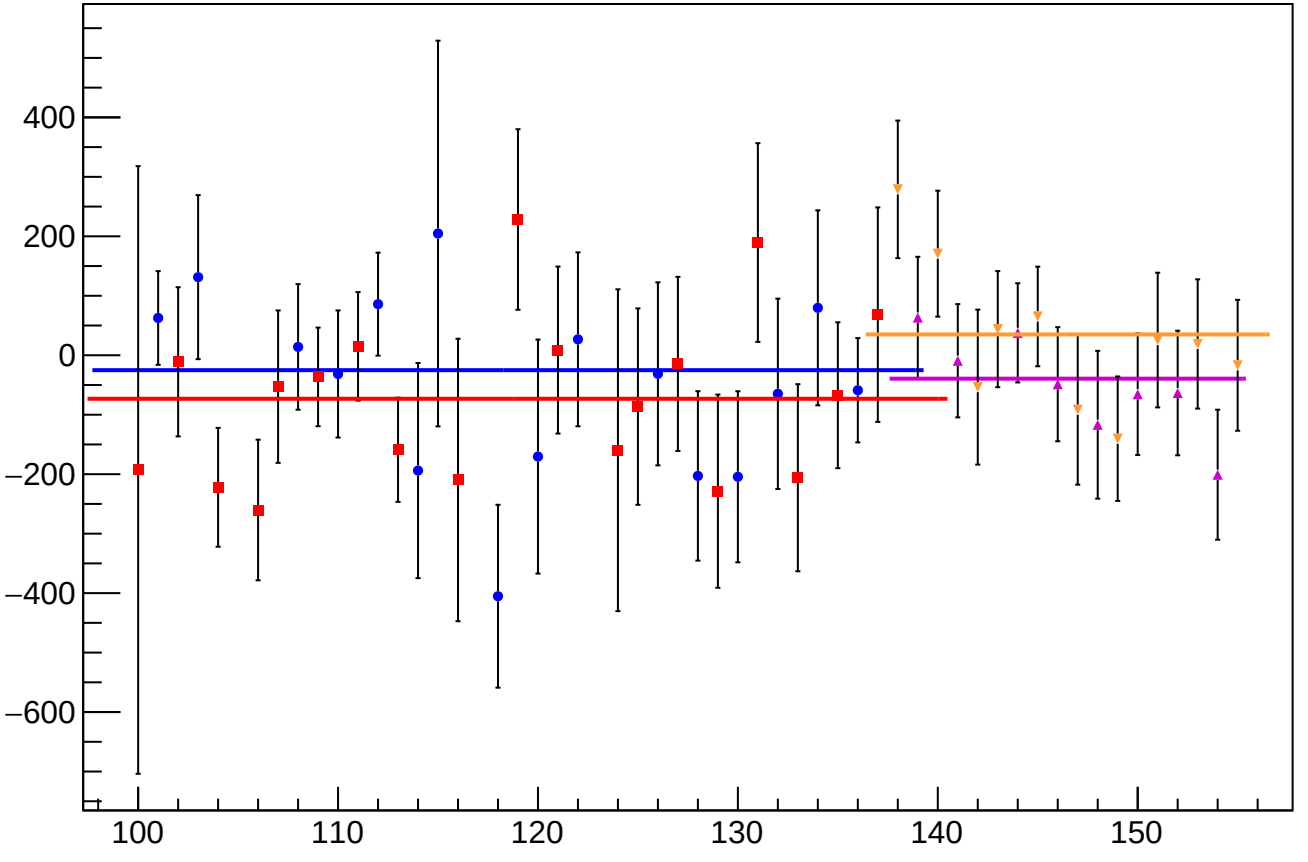
Left In: 664.708+/-0.180 χ^2/NDF:240103.6/7

+ sign 654.683+/-0.125 χ^2/NDF: 2300939.4/25

All: 643.042+/-0.088 χ^2/NDF: 4691962.4/52

- sign 631.699+/-0.123 χ^2/NDF: 2373789.4/26

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 34.998+/-33.907 χ^2/NDF:10.8/9

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

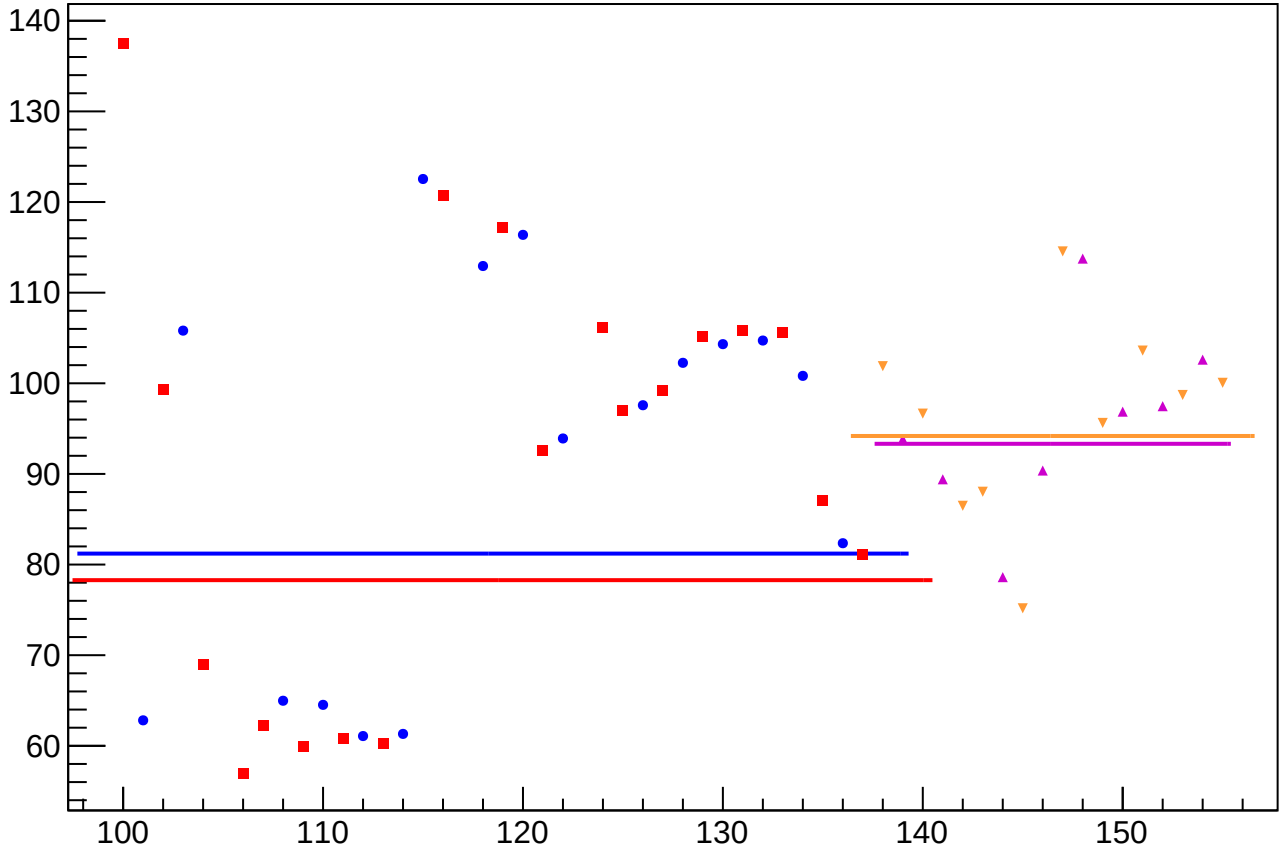
Left In: -39.381+/-35.496 χ^2/NDF:4.7/7

+ sign 2.497+/-22.971 χ^2/NDF: 28.7/25

All: -28.437+/-16.212 χ^2/NDF: 54.2/52

- sign -59.139+/-22.884 χ^2/NDF: 21.9/26

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.187+/-0.024 χ^2/NDF:203583.4/9

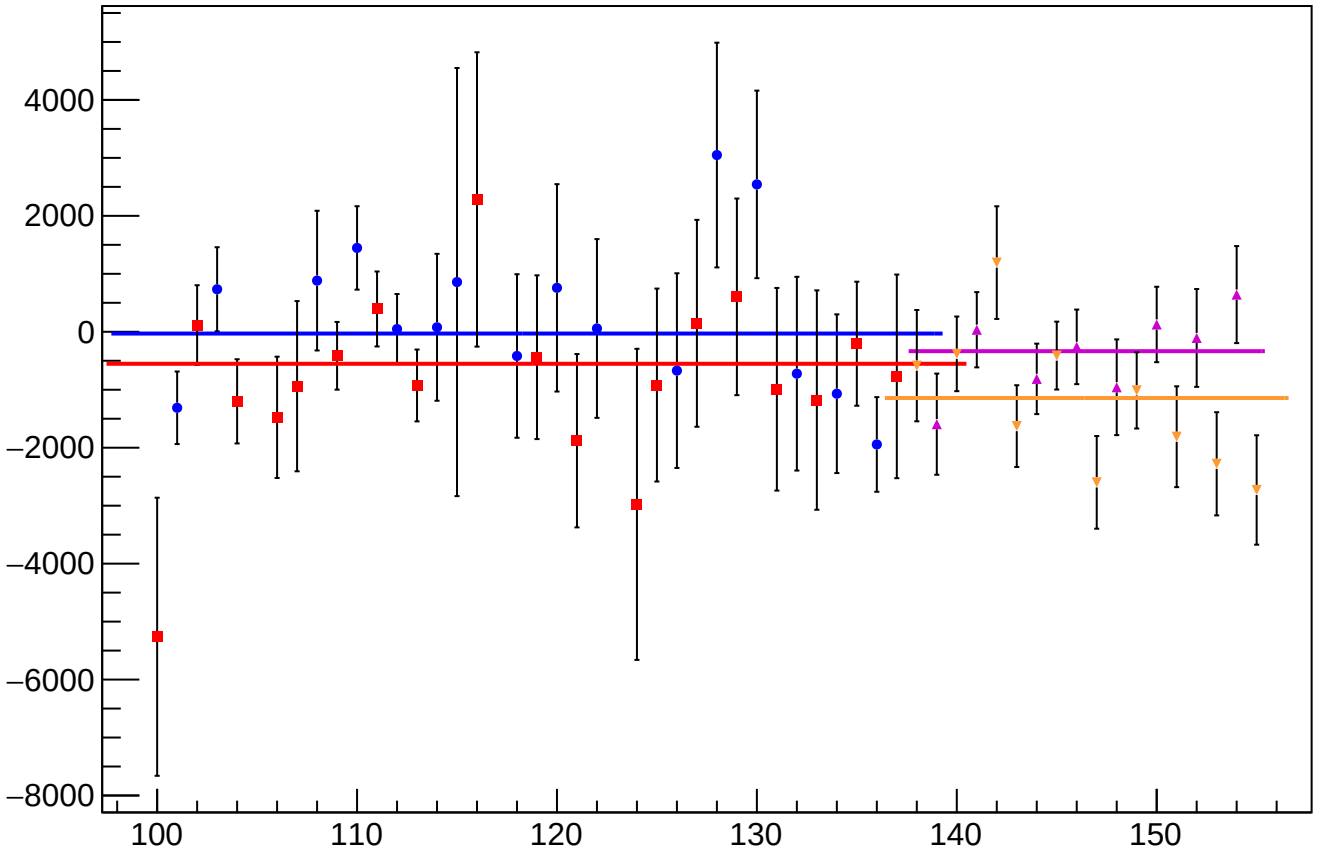
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 93.323+/-0.025 χ^2/NDF:141584.5/7

+ sign 87.166+/-0.016 χ^2/NDF: 1149766.7/25

All: 85.844+/-0.011 χ^2/NDF: 2451291.4/52

- sign 84.532+/-0.016 χ^2/NDF: 1288332.3/26



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1142.286+/-242.071 χ^2/NDF:17.9/9

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

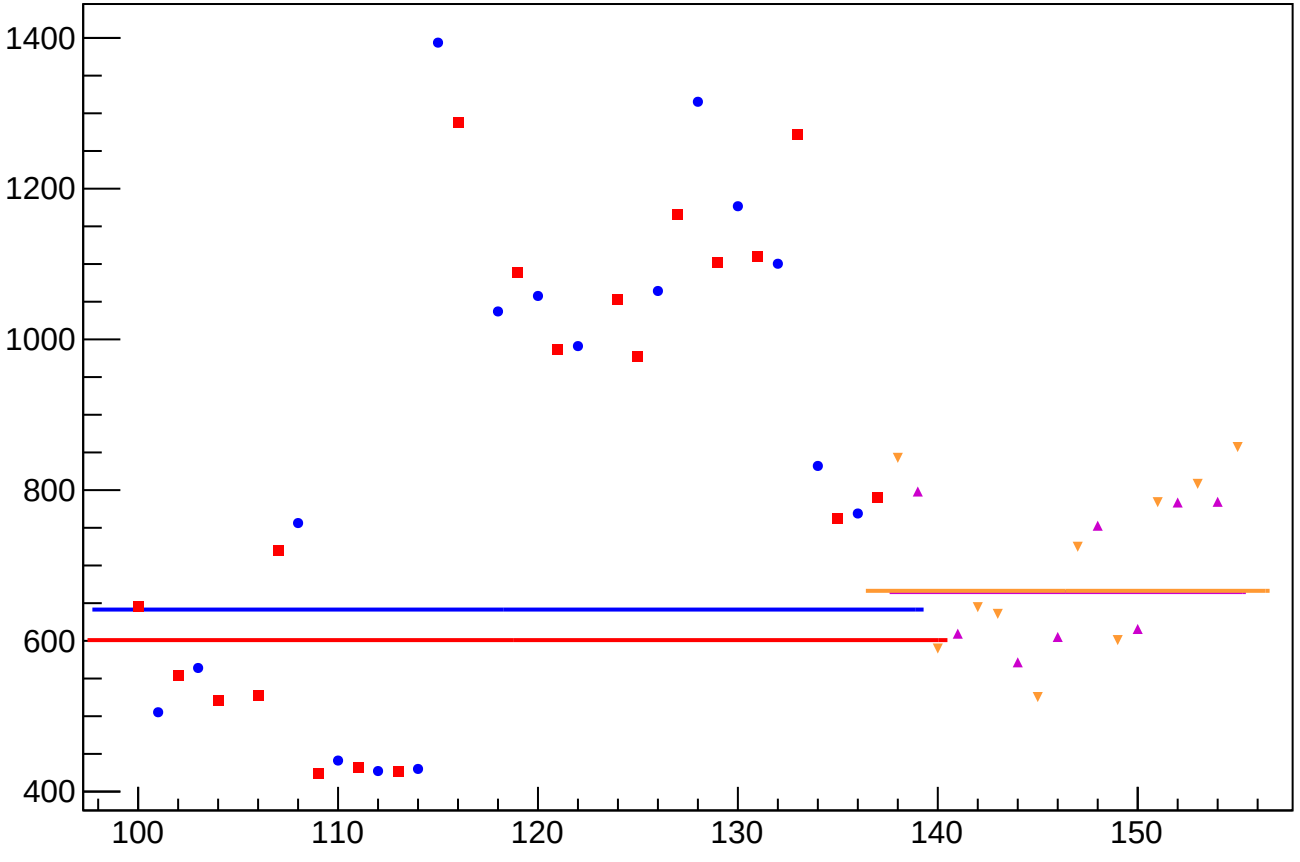
Left In: -334.495+/-254.243 χ^2/NDF:5.5/7

+ sign -619.594+/-176.212 χ^2/NDF: 49.7/25

All: -533.775+/-123.811 χ^2/NDF: 69.0/52

- sign -450.098+/-173.999 χ^2/NDF: 18.7/26

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 666.381+/-0.171 χ^2/NDF:416016.4/9

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

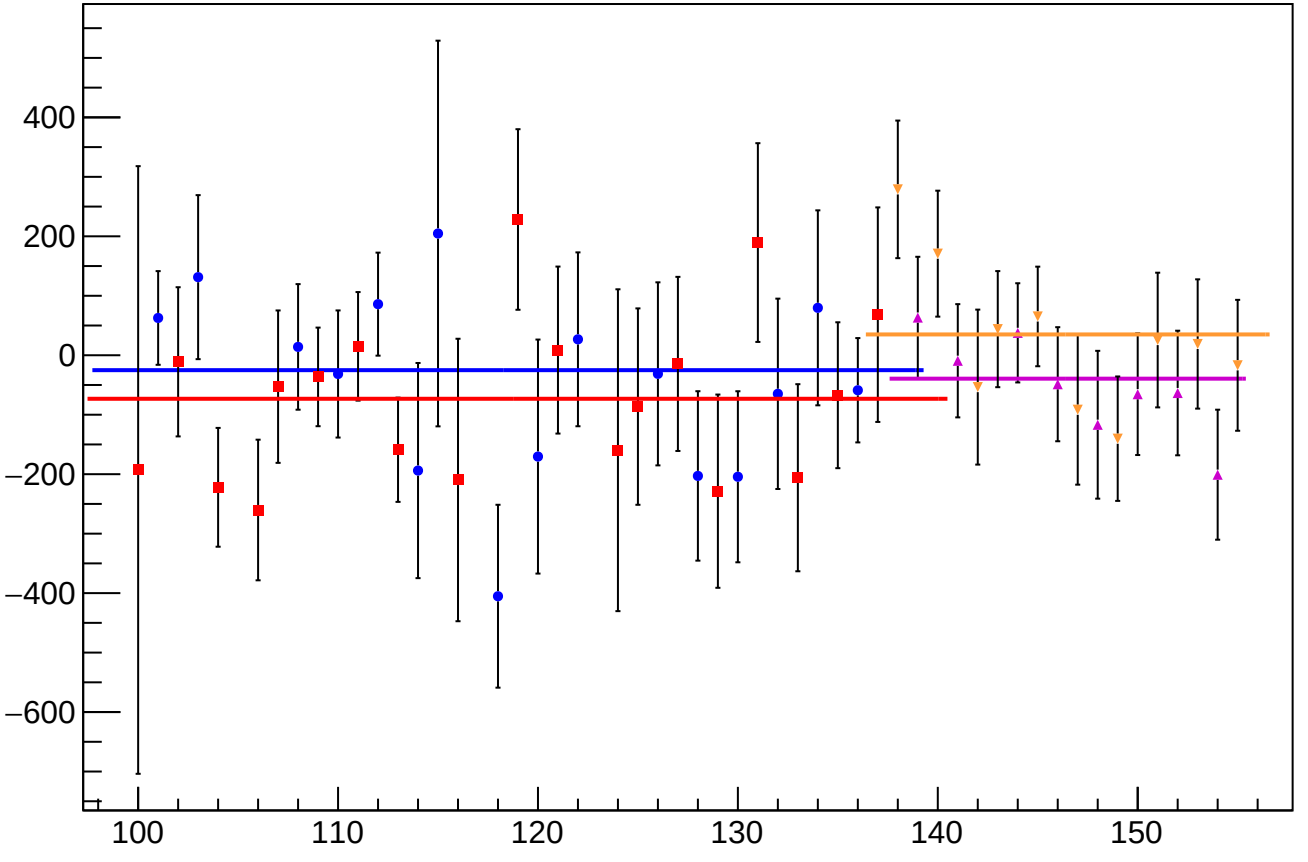
Left In: 664.709+/-0.180 χ^2/NDF:240102.0/7

+ sign 654.688+/-0.125 χ^2/NDF: 2300893.2/25

All: 642.606+/-0.088 χ^2/NDF: 4703609.8/52

- sign 630.826+/-0.123 χ^2/NDF: 2384148.5/26

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 34.998+/-33.907 χ^2/NDF:10.8/9

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

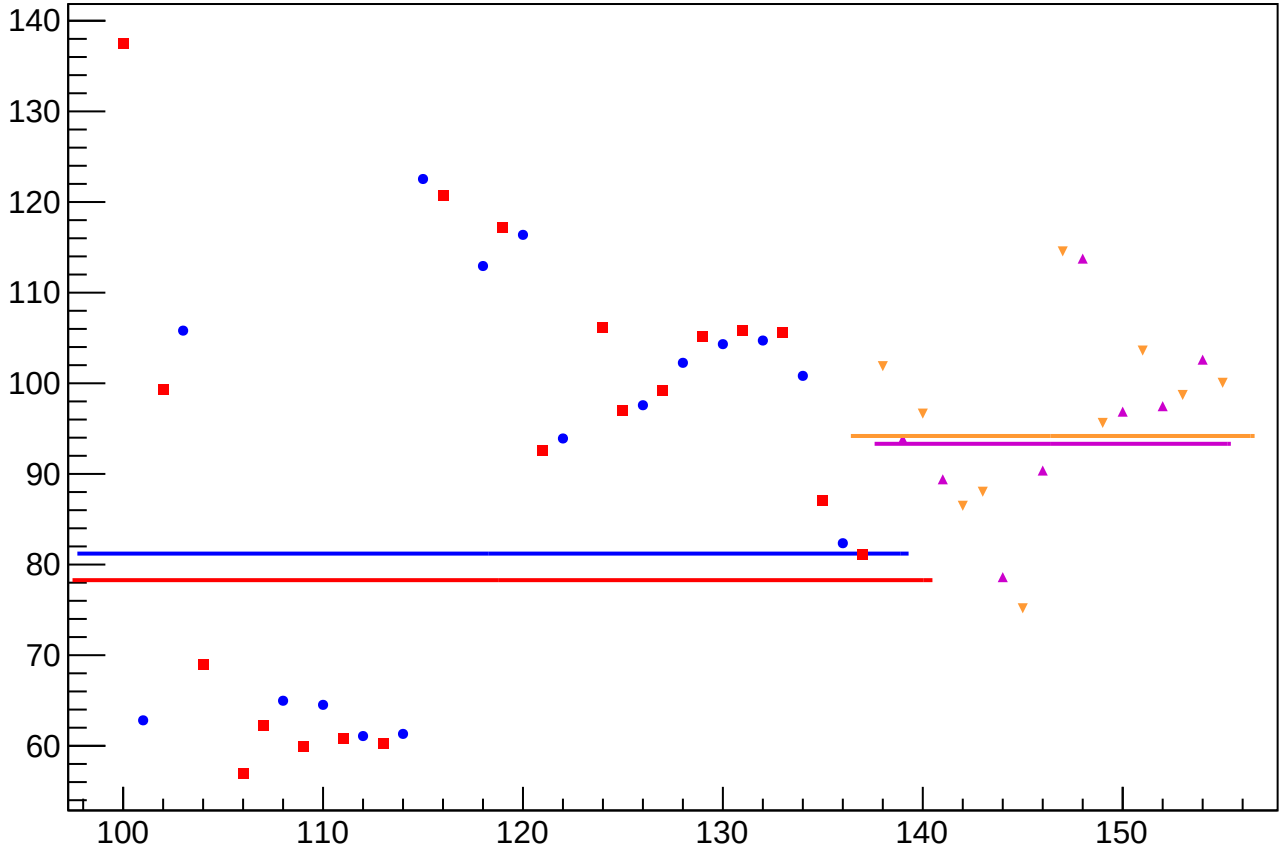
Left In: -39.381+/-35.496 χ^2/NDF:4.7/7

+ sign 2.497+/-22.971 χ^2/NDF: 28.7/25

All: -28.437+/-16.212 χ^2/NDF: 54.2/52

- sign -59.139+/-22.884 χ^2/NDF: 21.9/26

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.187+/-0.024 χ^2/NDF:203583.4/9

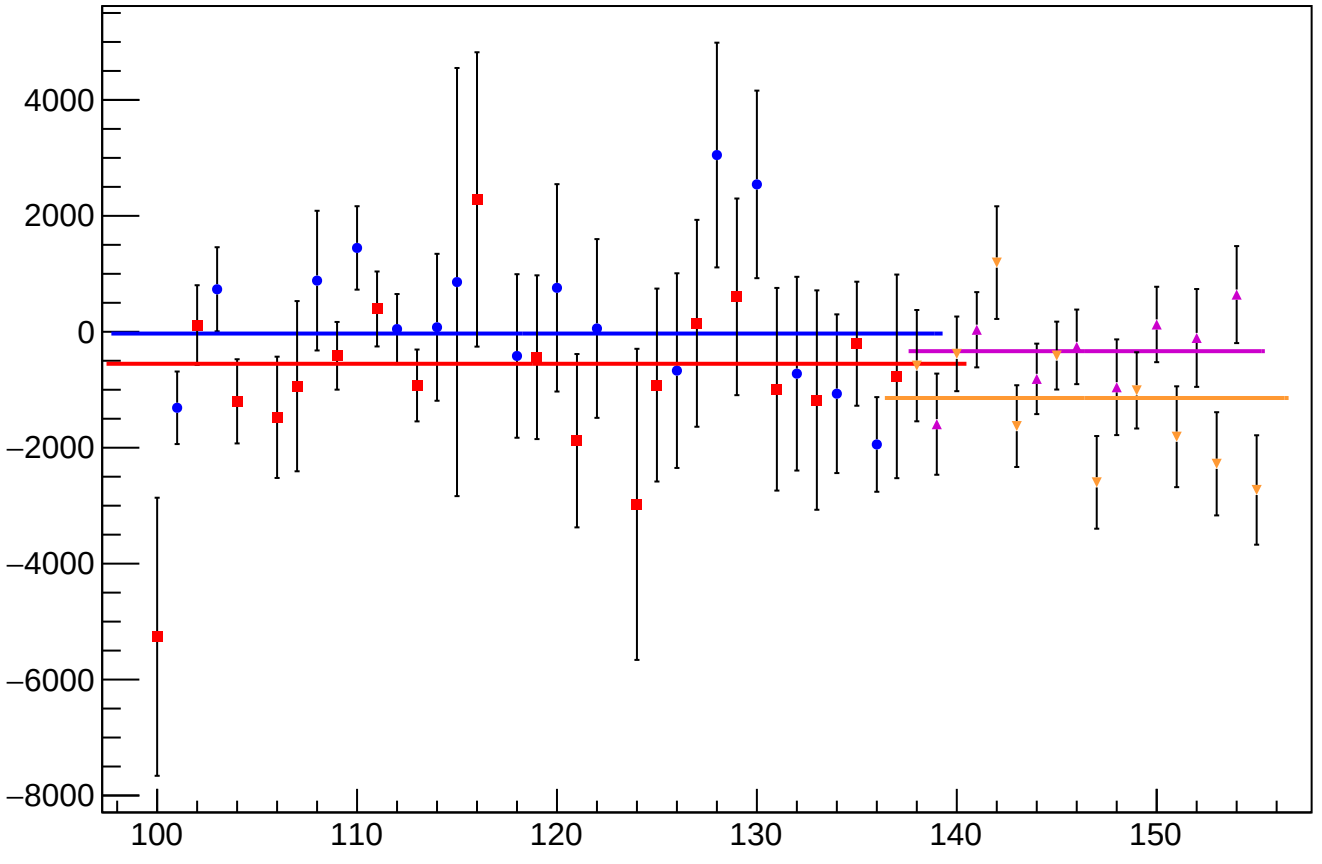
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 93.323+/-0.025 χ^2/NDF:141584.5/7

+ sign 87.166+/-0.016 χ^2/NDF: 1149766.7/25

All: 85.844+/-0.011 χ^2/NDF: 2451291.4/52

- sign 84.532+/-0.016 χ^2/NDF: 1288332.3/26



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1142.286+/-242.071 χ^2/NDF:17.9/9

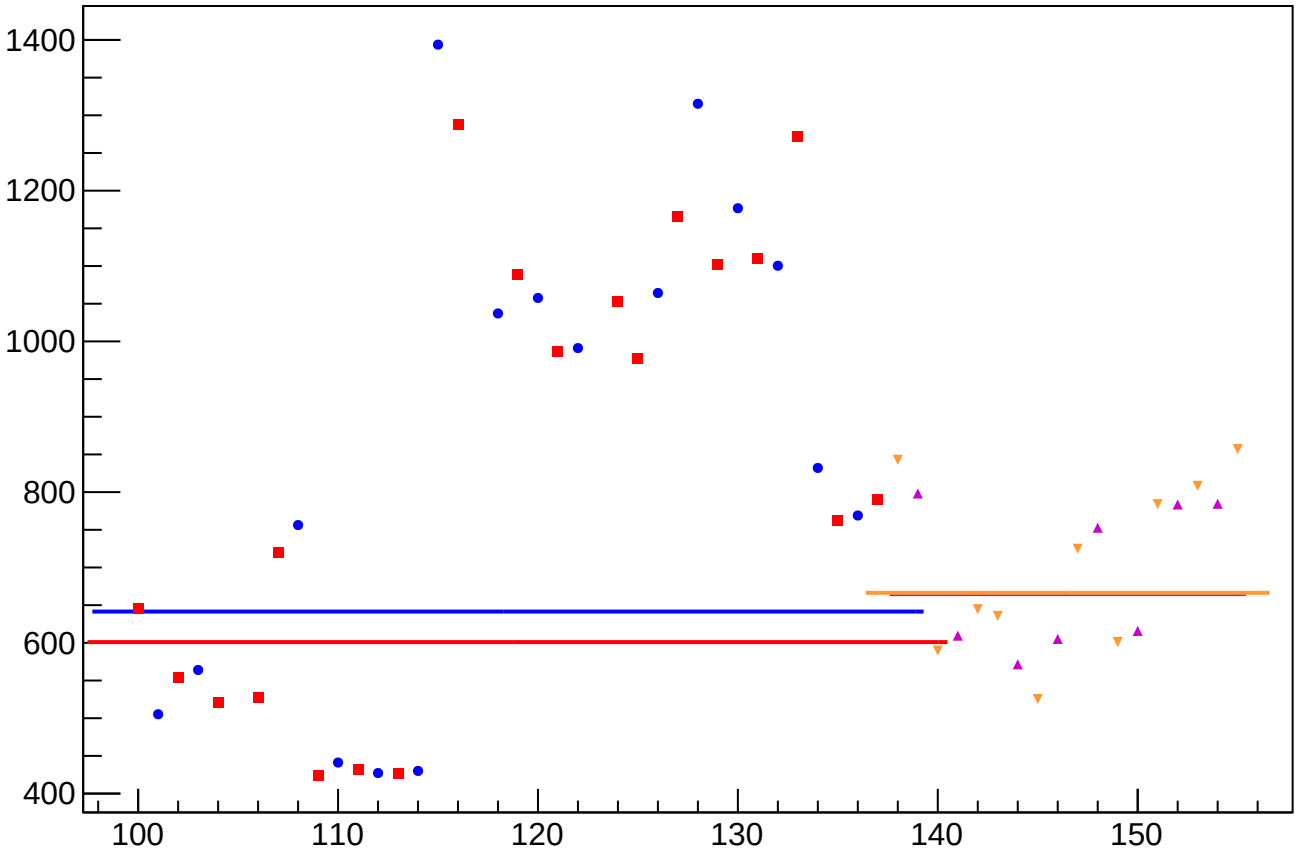
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -334.495+/-254.243 χ^2/NDF:5.5/7

+ sign -619.594+/-176.212 χ^2/NDF: 49.7/25

All: -533.775+/-123.811 χ^2/NDF: 69.0/52

- sign -450.098+/-173.999 χ^2/NDF: 18.7/26



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 666.381+/-0.171 χ^2/NDF:416016.4/9

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

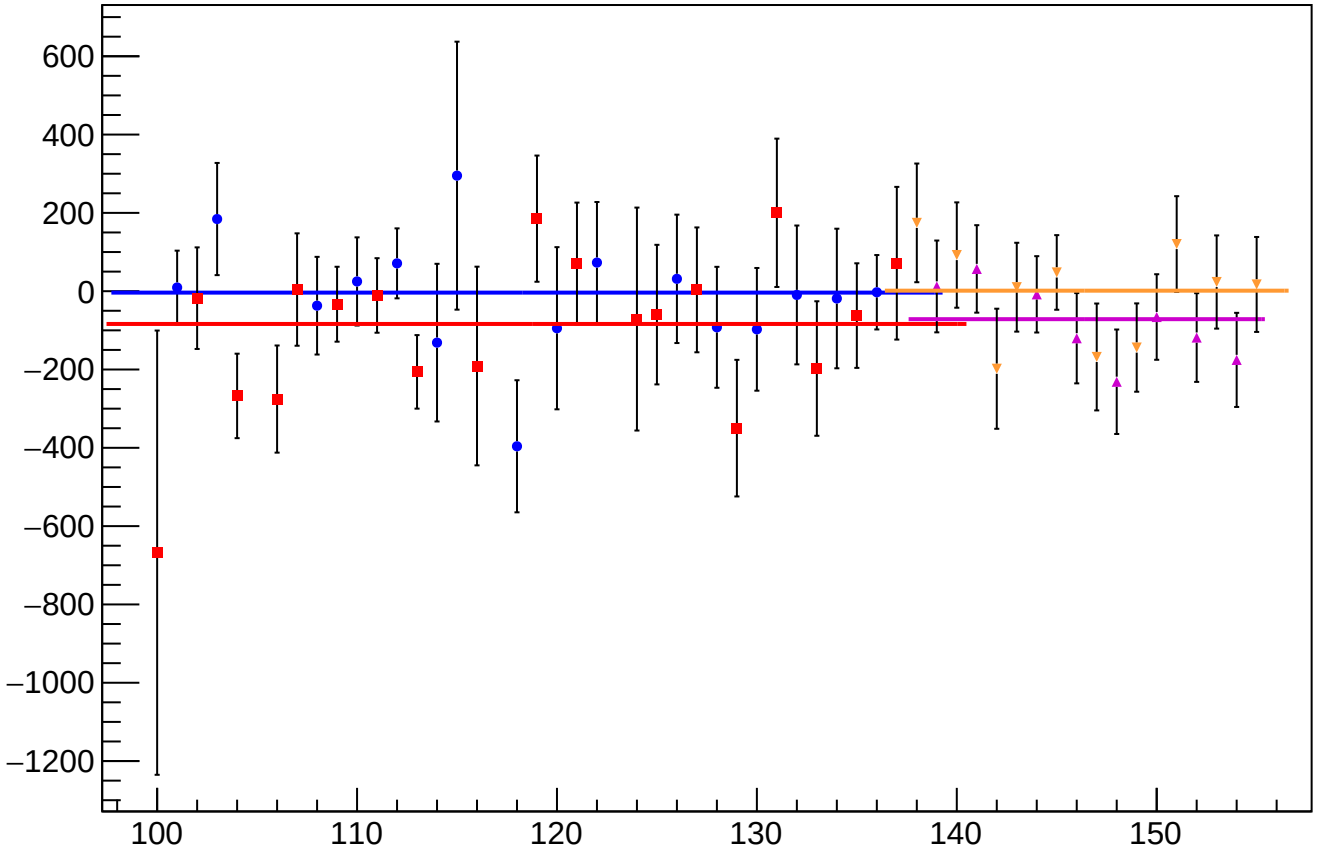
Left In: 664.709+/-0.180 χ^2/NDF:240102.0/7

+ sign 654.688+/-0.125 χ^2/NDF: 2300893.2/25

All: 642.606+/-0.088 χ^2/NDF: 4703609.8/52

- sign 630.826+/-0.123 χ^2/NDF: 2384148.5/26

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 1.329+/-38.723 χ^2/NDF:7.9/9

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

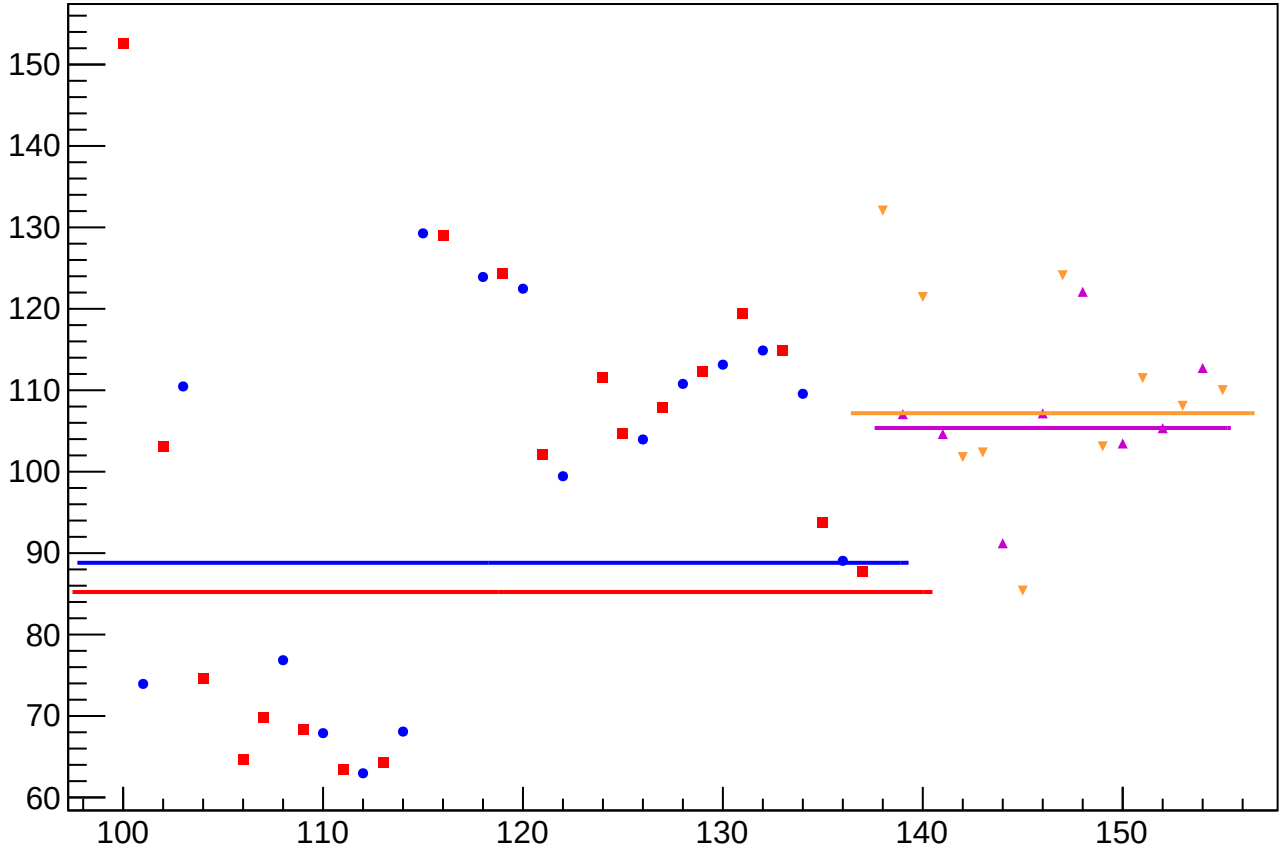
Left In: -71.446+/-40.144 χ^2/NDF:4.8/7

+ sign -1.463+/-25.614 χ^2/NDF: 18.2/25

All: -40.580+/-18.007 χ^2/NDF: 46.8/52

- sign -78.810+/-25.322 χ^2/NDF: 23.9/26

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.184+/-0.027 χ^2/NDF:224062.8/9

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

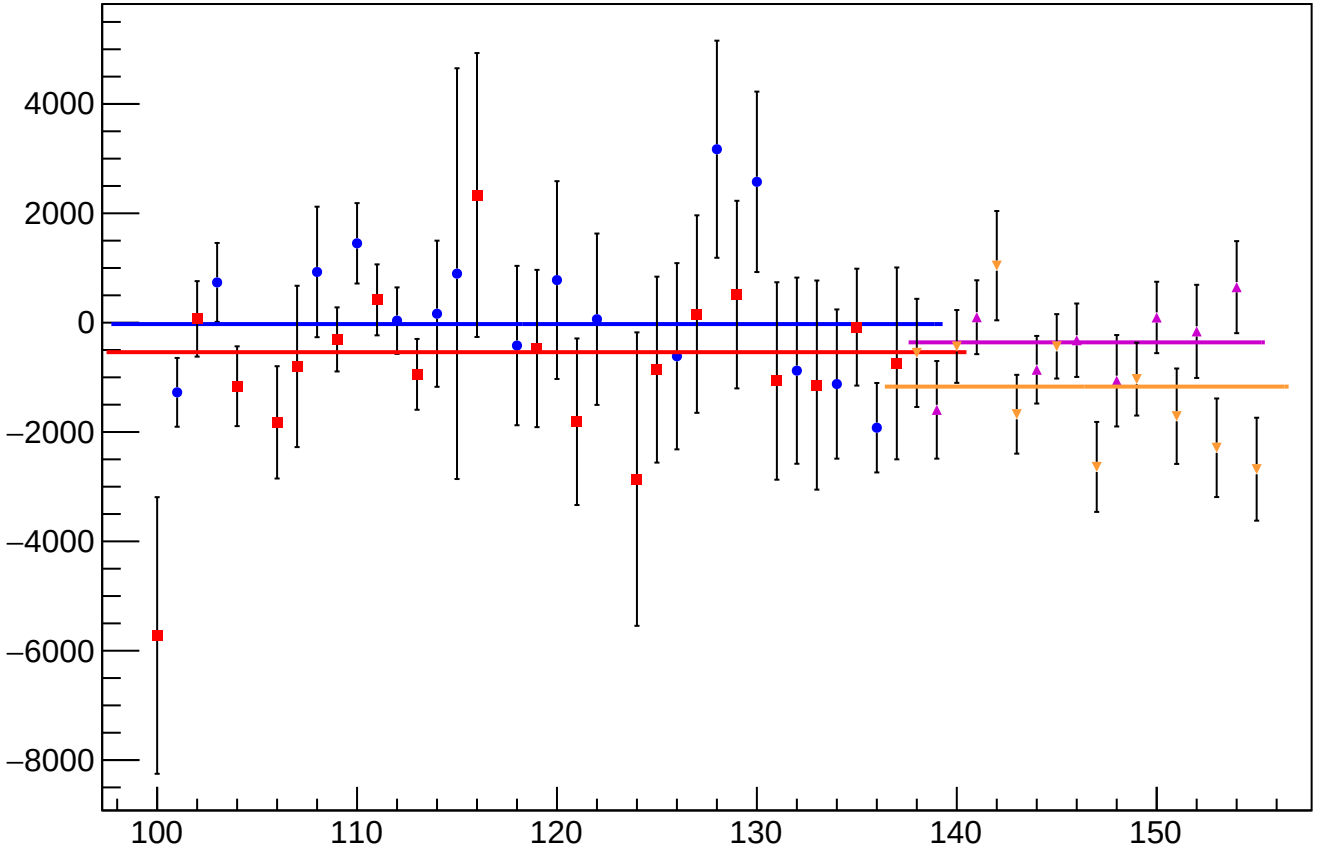
Left In: 105.365+/-0.028 χ^2/NDF:82706.7/7

+ sign 96.851+/-0.018 χ^2/NDF: 1201849.5/25

All: 95.024+/-0.013 χ^2/NDF: 2491864.0/52

- sign 93.238+/-0.018 χ^2/NDF: 1269892.2/26

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1169.553+/-246.263 χ^2/NDF:16.3/9

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

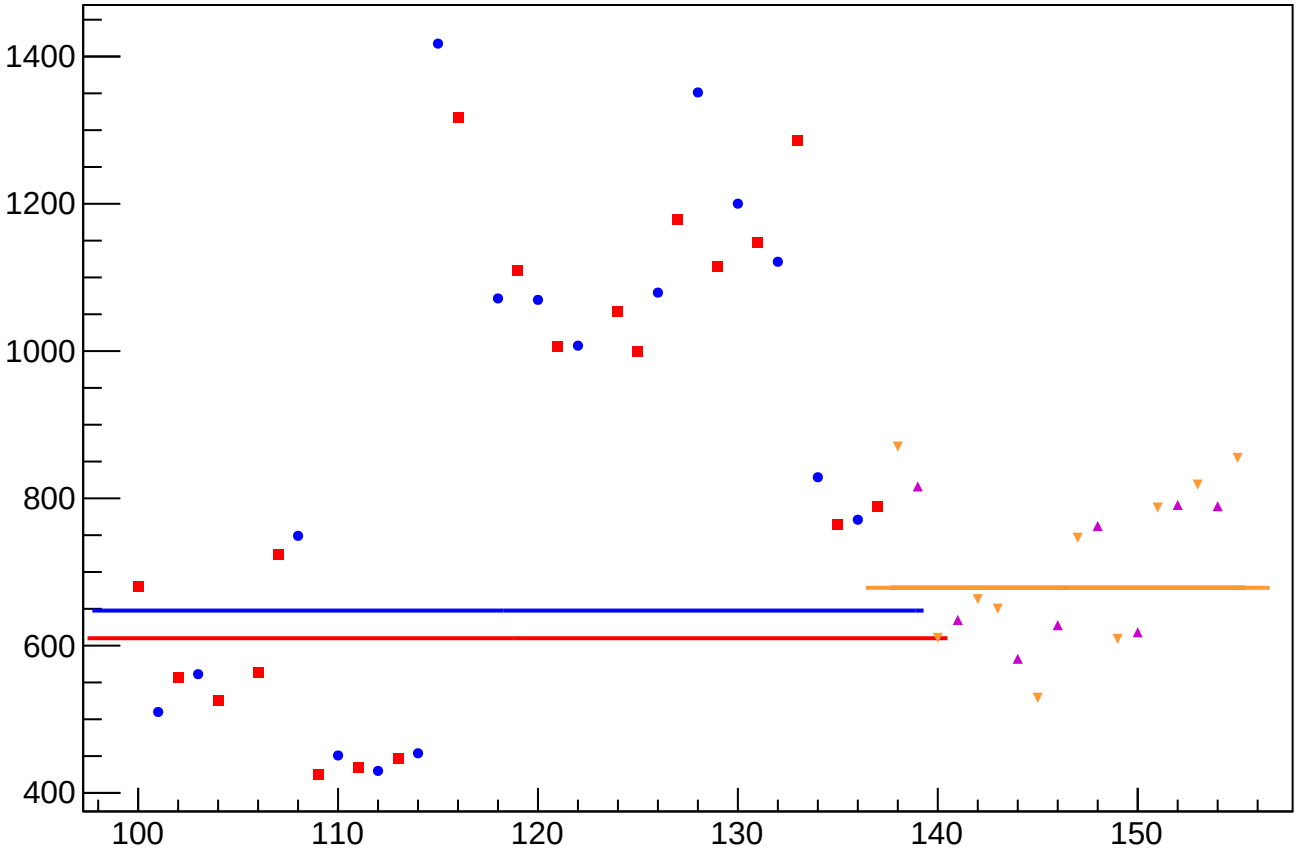
Left In: -360.165+/-259.536 χ^2/NDF:5.7/7

+ sign -627.359+/-178.598 χ^2/NDF: 48.1/25

All: -540.989+/-125.610 χ^2/NDF: 68.1/52

- sign -456.449+/-176.696 χ^2/NDF: 19.6/26

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 678.582+/-0.174 χ^2/NDF:413305.6/9

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

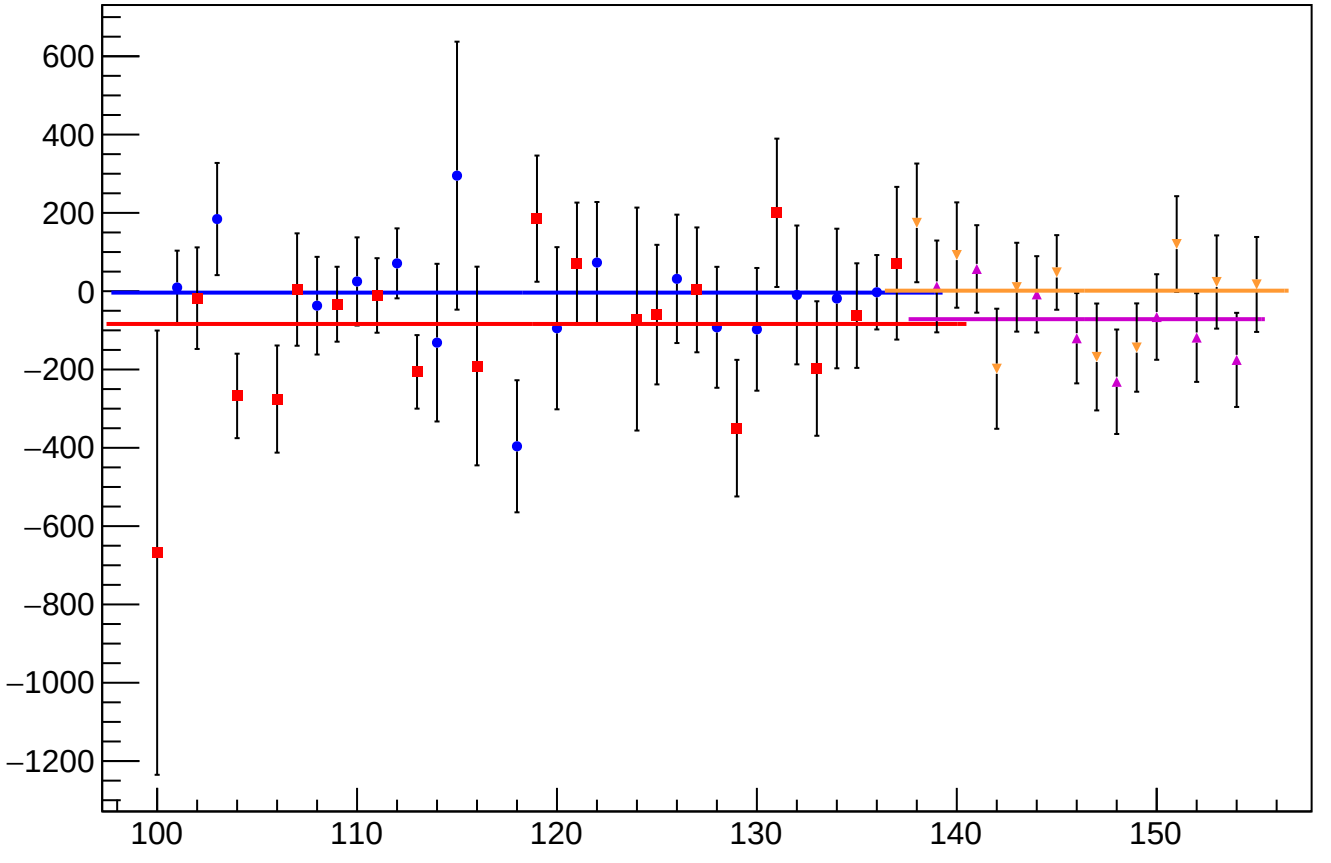
Left In: 678.704+/-0.184 χ^2/NDF:222773.0/7

+ sign 663.915+/-0.126 χ^2/NDF: 2316088.3/25

All: 652.778+/-0.089 χ^2/NDF: 4703555.6/52

- sign 641.878+/-0.125 χ^2/NDF: 2372079.3/26

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 1.330+/-38.723 χ^2/NDF:7.9/9

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

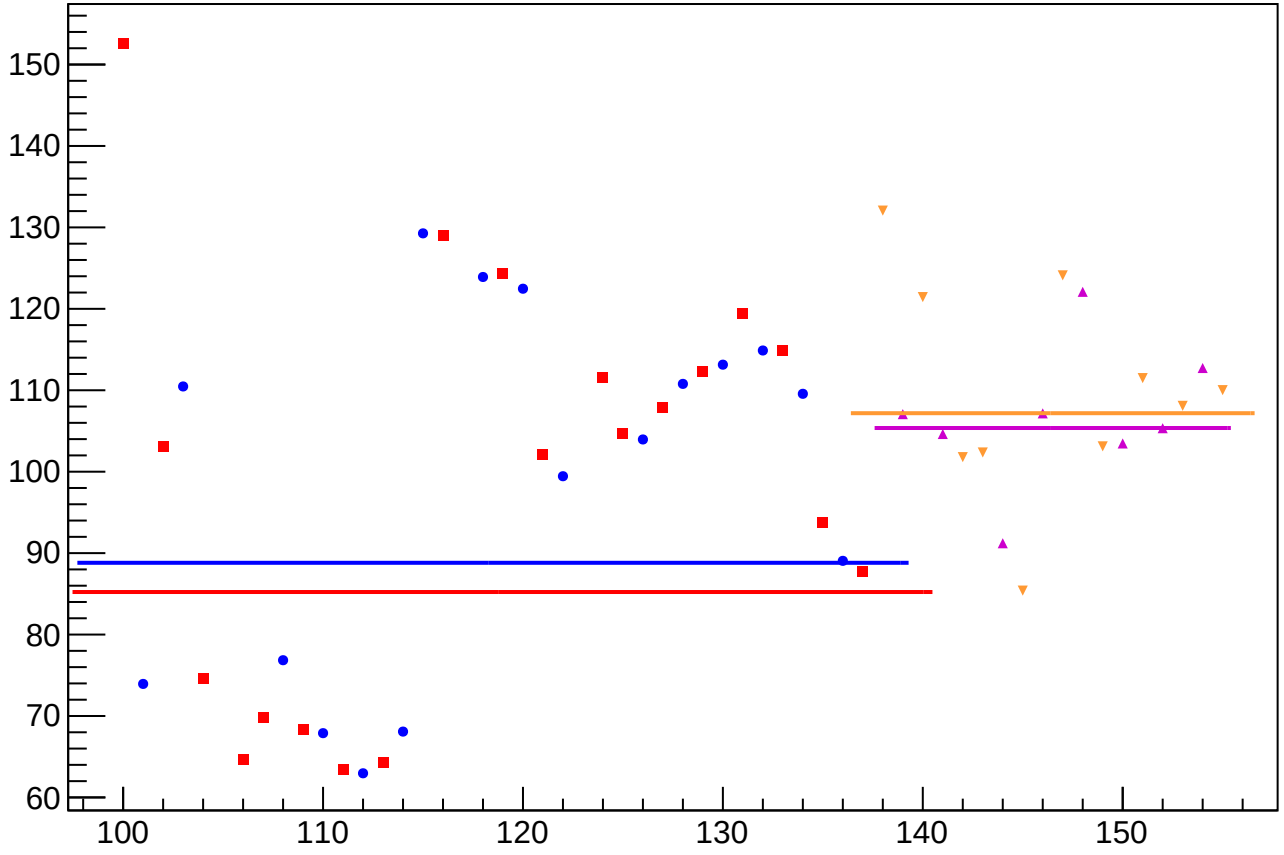
Left In: -71.447+/-40.144 χ^2/NDF:4.8/7

+ sign -1.462+/-25.614 χ^2/NDF: 18.2/25

All: -40.579+/-18.008 χ^2/NDF: 46.8/52

- sign -78.810+/-25.322 χ^2/NDF: 23.9/26

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.184+/-0.027 χ^2/NDF:224061.2/9

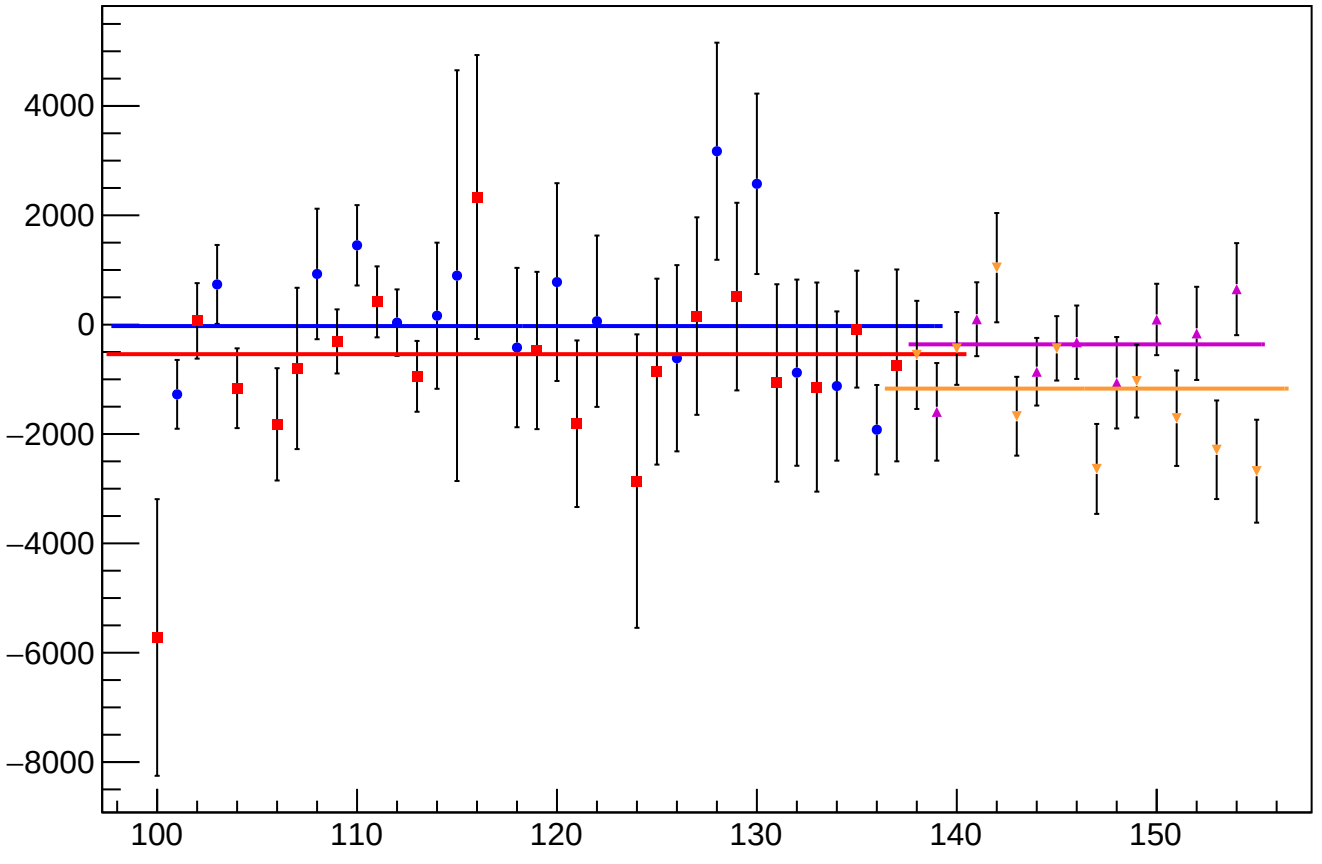
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 105.365+/-0.028 χ^2/NDF:82706.4/7

+ sign 96.851+/-0.018 χ^2/NDF: 1201854.5/25

All: 95.024+/-0.013 χ^2/NDF: 2491879.1/52

- sign 93.238+/-0.018 χ^2/NDF: 1269902.1/26



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1169.551+/-246.263 χ^2/NDF:16.3/9

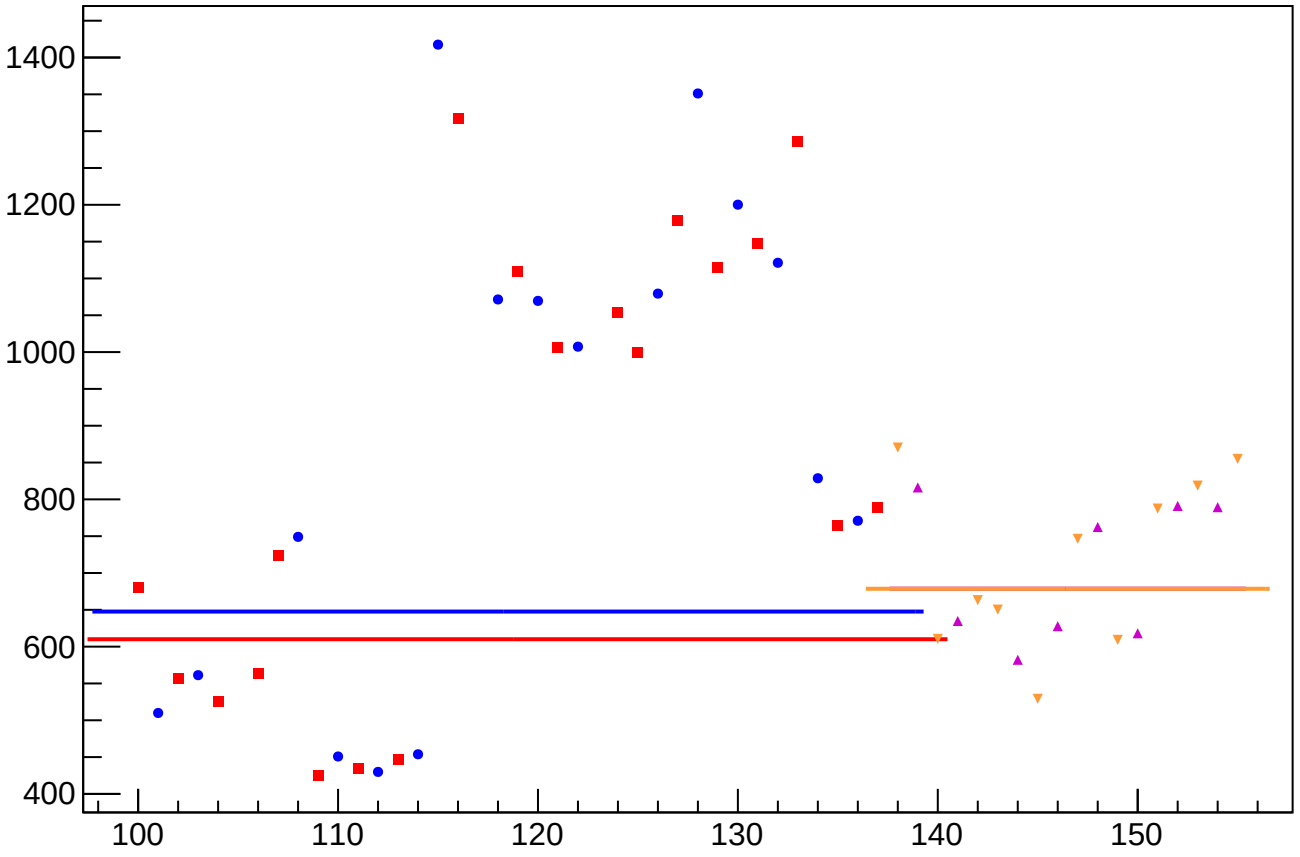
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -360.165+/-259.536 χ^2/NDF:5.7/7

+ sign -627.358+/-178.598 χ^2/NDF: 48.1/25

All: -540.988+/-125.610 χ^2/NDF: 68.1/52

- sign -456.449+/-176.696 χ^2/NDF: 19.6/26



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 678.582+/-0.174 χ^2/NDF:413306.9/9

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

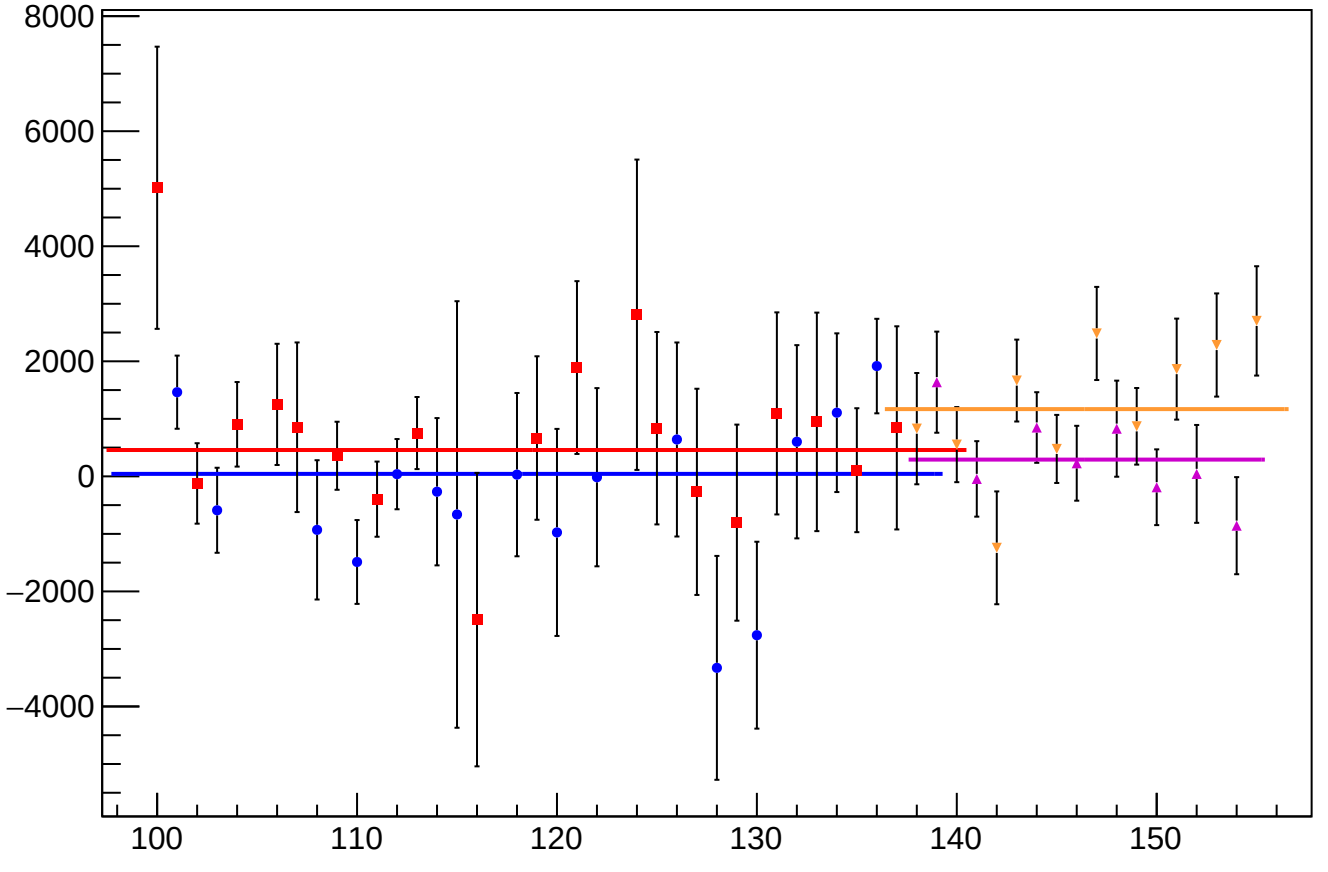
Left In: 678.704+/-0.184 χ^2/NDF:222771.8/7

+ sign 663.914+/-0.126 χ^2/NDF: 2316094.8/25

All: 652.778+/-0.089 χ^2/NDF: 4703565.1/52

- sign 641.877+/-0.125 χ^2/NDF: 2372082.5/26

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1169.063+/-244.601 χ^2/NDF:16.5/9

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

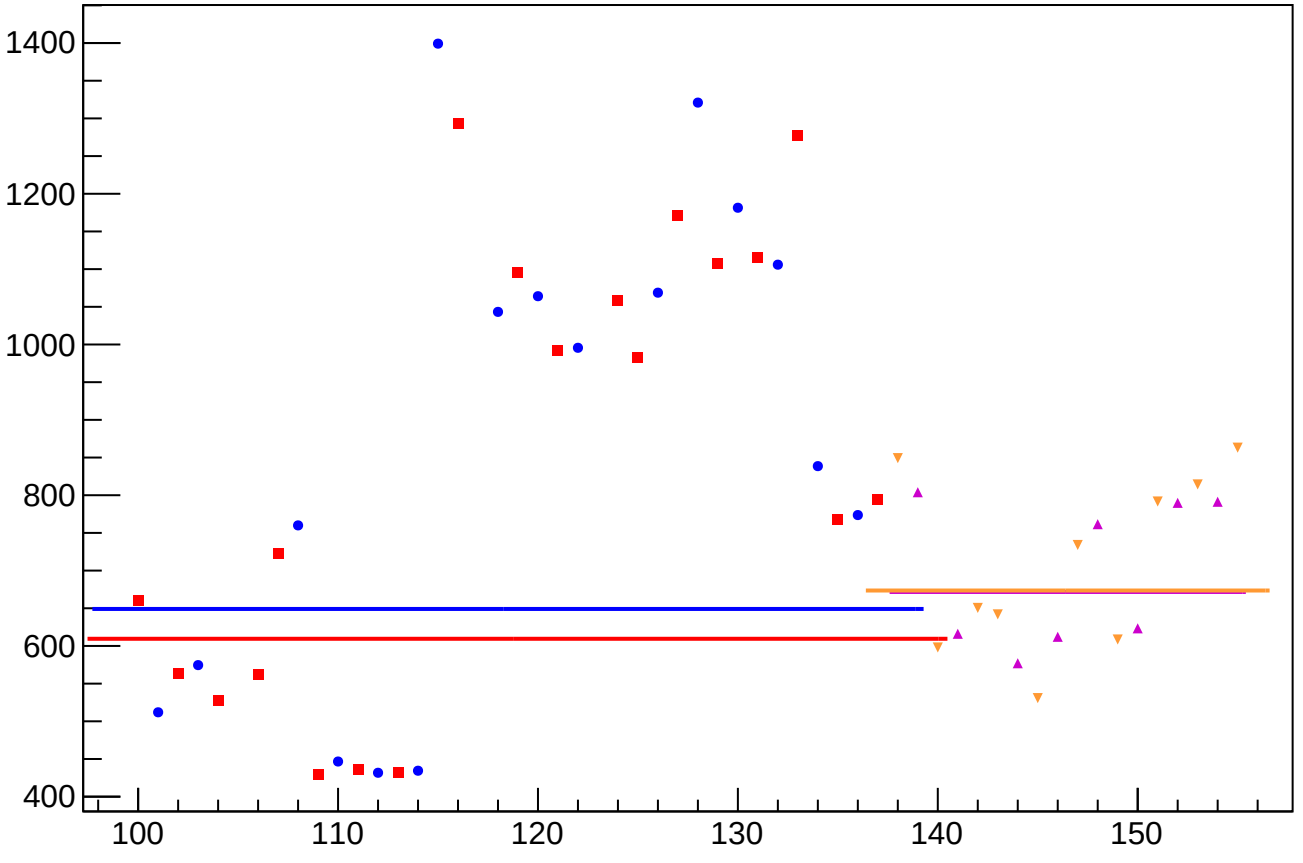
Left In: 291.410+/-256.840 χ^2/NDF:6.3/7

+ sign 639.995+/-178.089 χ^2/NDF: 49.7/25

All: 508.319+/-125.108 χ^2/NDF: 68.6/52

- sign 380.019+/-175.791 χ^2/NDF: 17.8/26

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 673.553+/-0.173 χ^2/NDF:409484.6/9

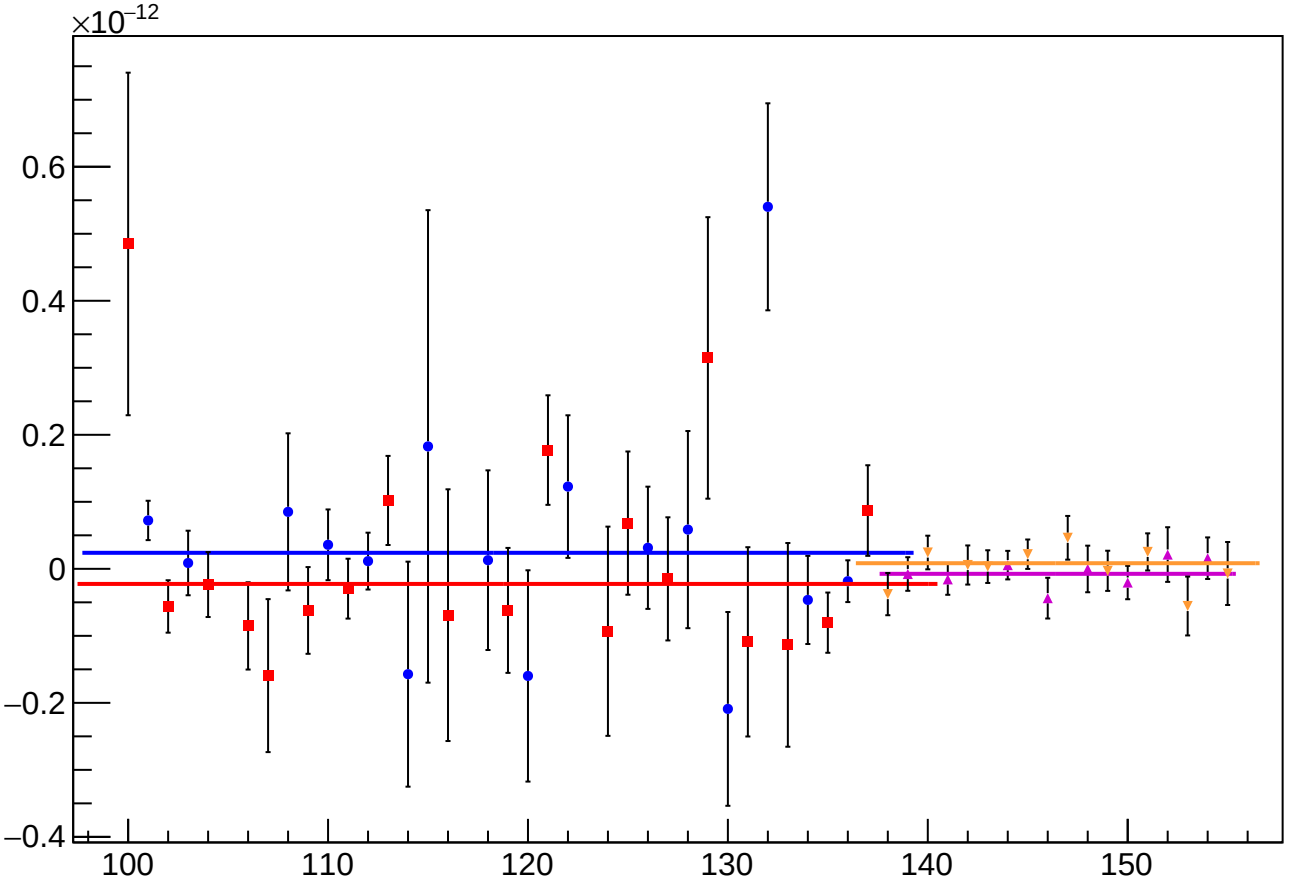
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 671.640+/-0.182 χ^2/NDF:236665.1/7

+ sign 662.058+/-0.126 χ^2/NDF: 2264699.9/25

All: 650.186+/-0.088 χ^2/NDF: 4624698.7/52

- sign 638.619+/-0.124 χ^2/NDF: 2342451.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/9

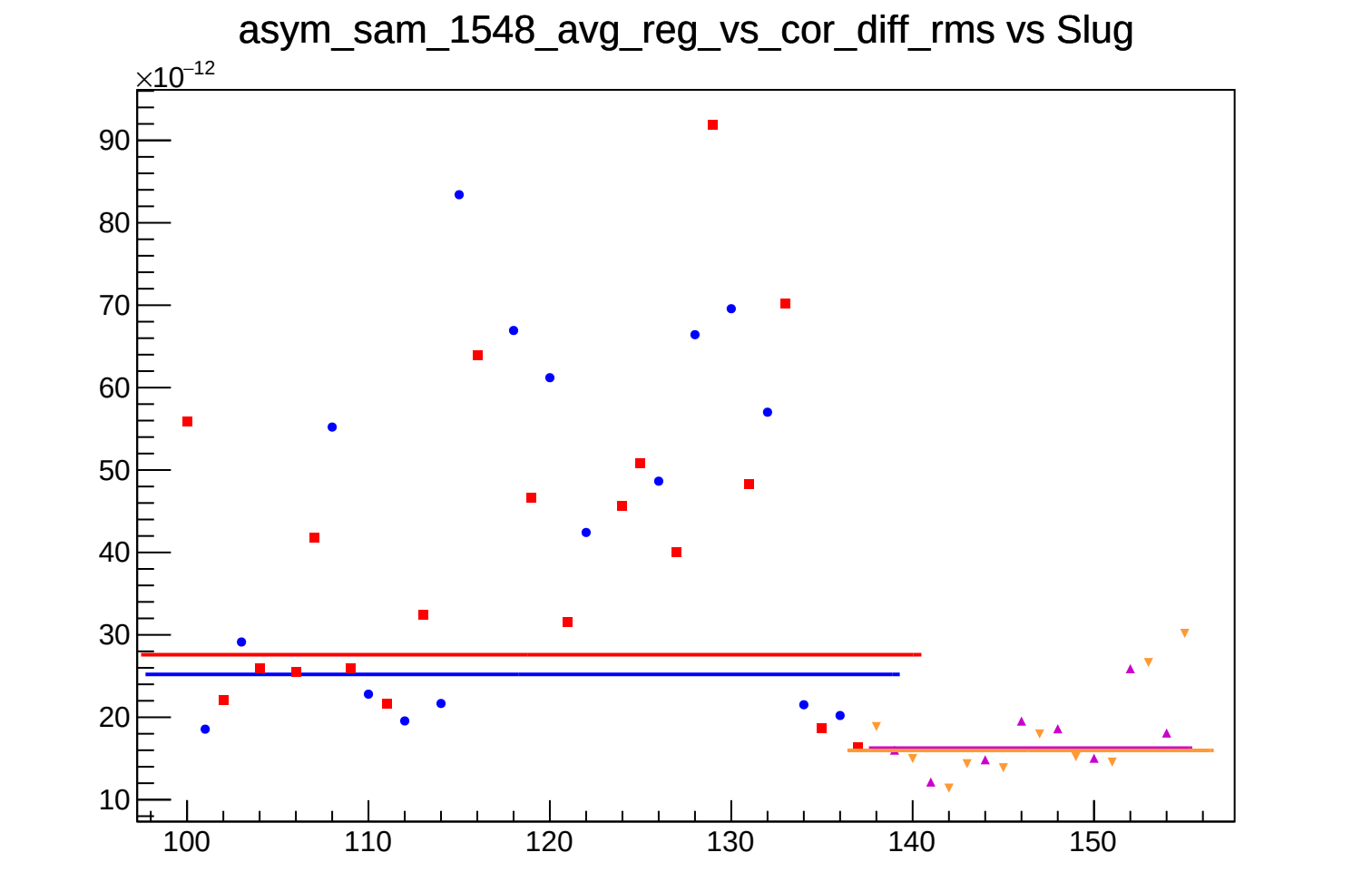
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/25

All: 0.000+/-0.000 χ^2/NDF: 65.4/52

- sign -0.000+/-0.000 χ^2/NDF: 29.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:410644.1/9

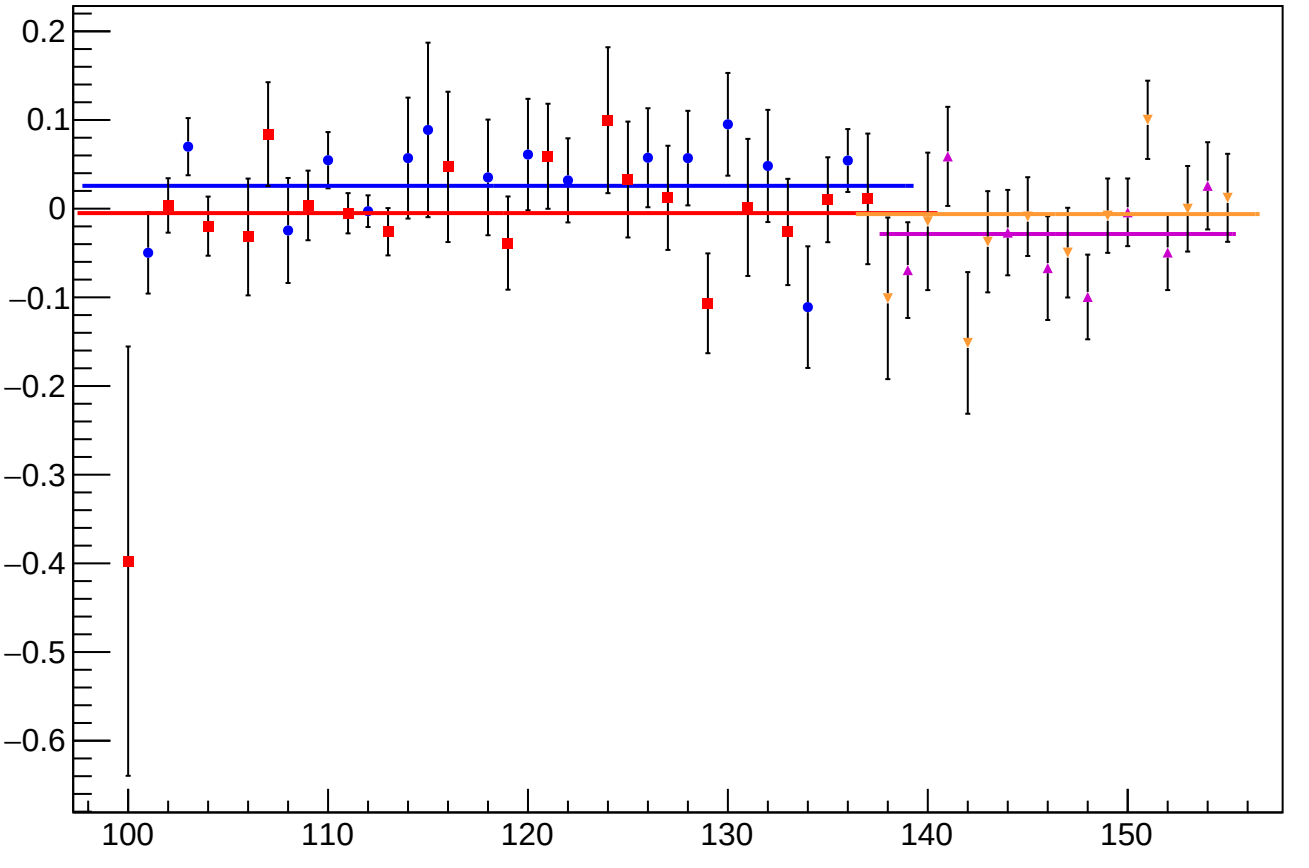
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:228745.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 2262047.8/25

All: 0.000+/-0.000 χ^2/NDF: 4202307.8/52

- sign 0.000+/-0.000 χ^2/NDF: 1932228.4/26



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.017 χ^2/NDF:11.4/9

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

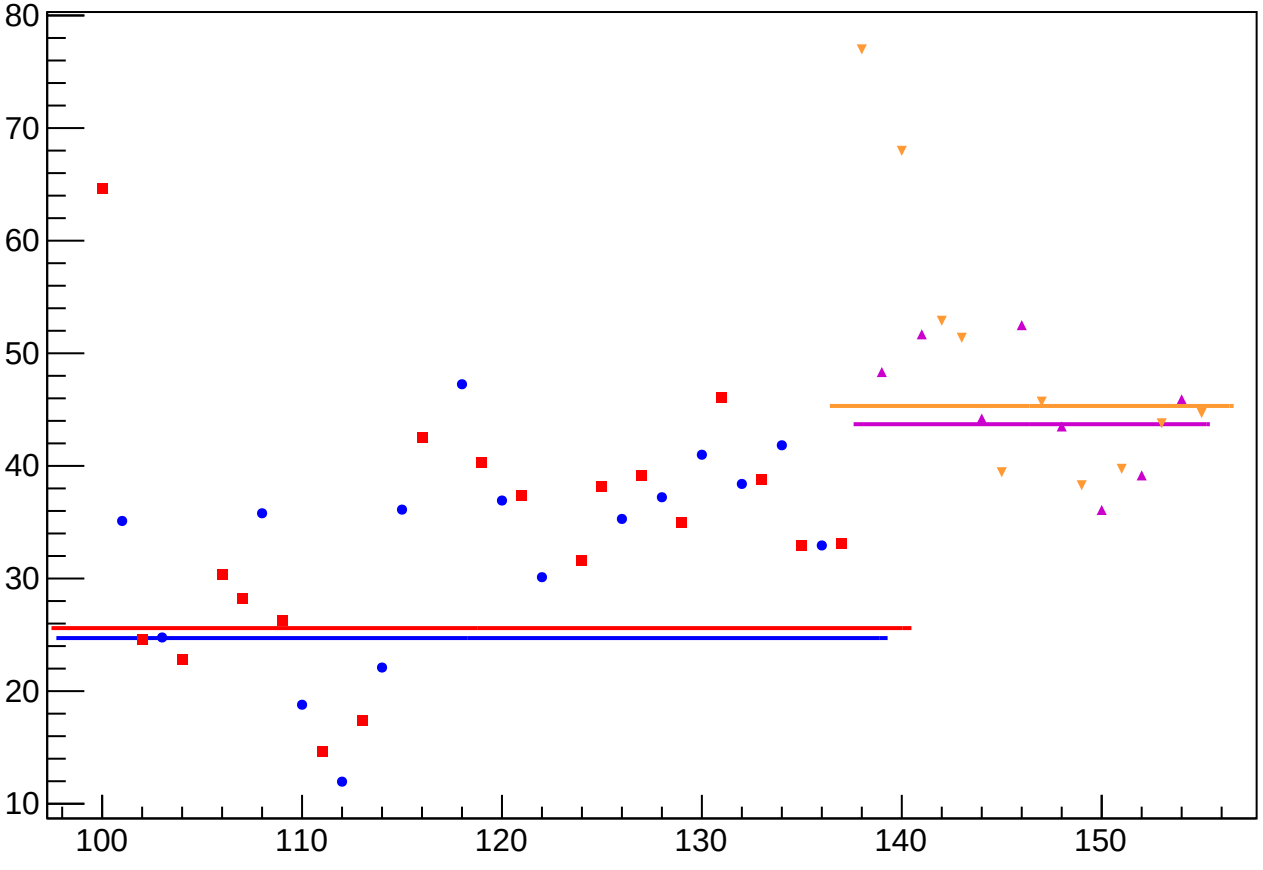
Left In: -0.029+/-0.017 χ^2/NDF:7.5/7

+ sign 0.017+/-0.009 χ^2/NDF: 30.5/25

All: 0.003+/-0.006 χ^2/NDF: 58.2/52

- sign -0.011+/-0.009 χ^2/NDF: 22.6/26

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.324+/-0.012 χ^2/NDF:578778.6/9

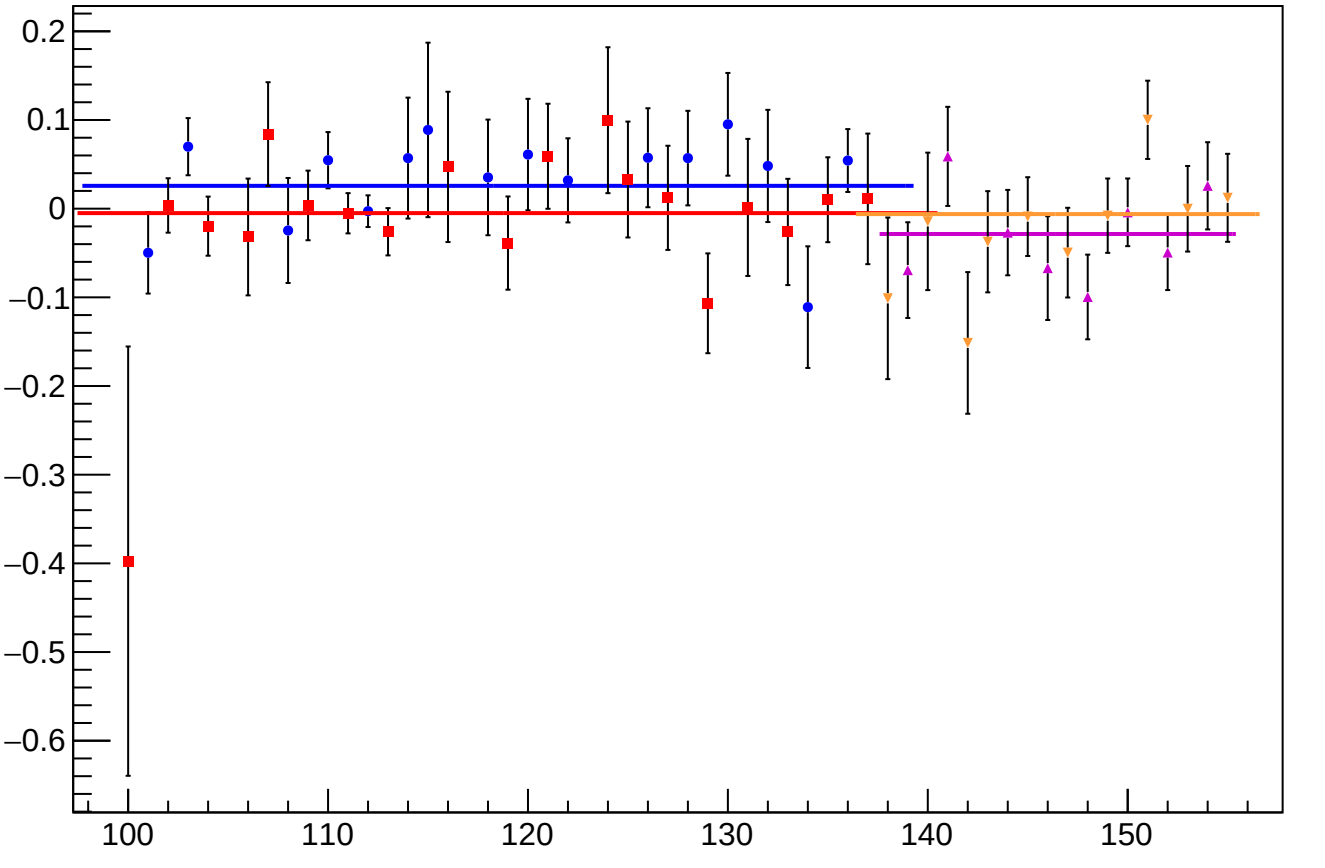
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.704+/-0.012 χ^2/NDF:207657.9/7

+ sign 30.415+/-0.006 χ^2/NDF: 5065441.5/25

All: 30.465+/-0.004 χ^2/NDF: 8541697.5/52

- sign 30.515+/-0.006 χ^2/NDF: 3476125.0/26



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.017 χ^2/NDF:11.4/9

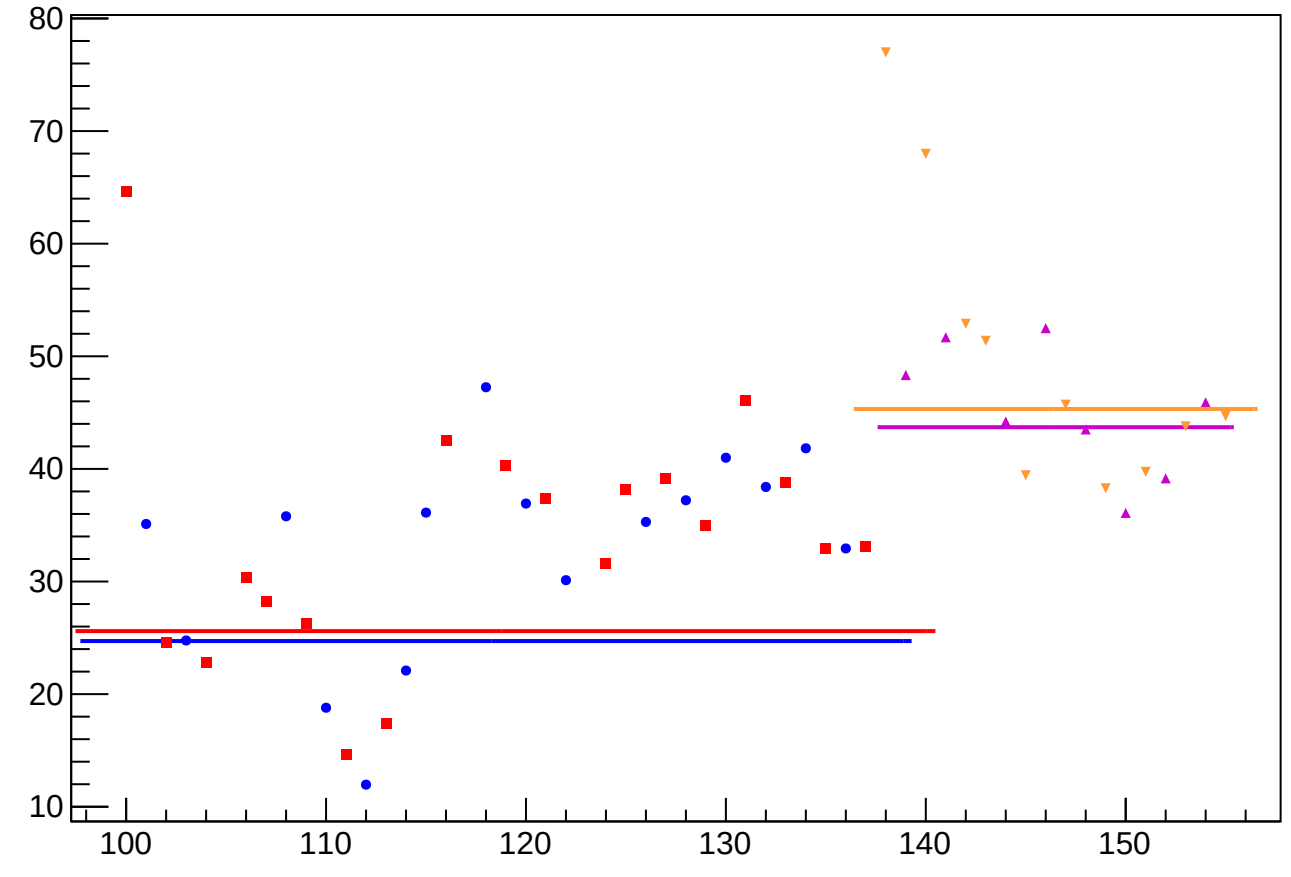
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.029+/-0.017 χ^2/NDF:7.5/7

+ sign 0.017+/-0.009 χ^2/NDF: 30.5/25

All: 0.003+/-0.006 χ^2/NDF: 58.2/52

- sign -0.011+/-0.009 χ^2/NDF: 22.6/26



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.324+/-0.012 χ^2/NDF:578778.6/9

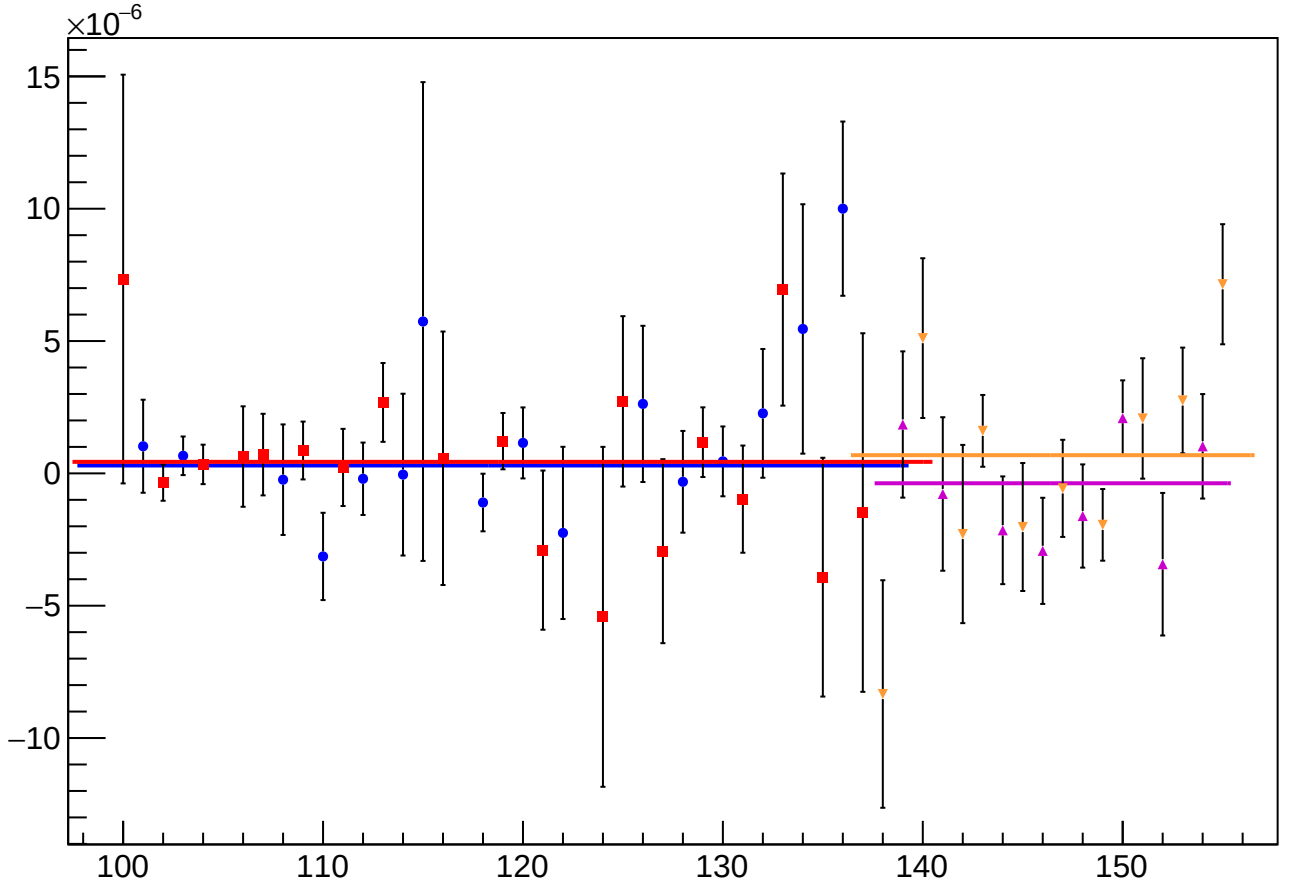
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.704+/-0.012 χ^2/NDF:207657.9/7

+ sign 30.415+/-0.006 χ^2/NDF: 5065441.5/25

All: 30.465+/-0.004 χ^2/NDF: 8541697.5/52

- sign 30.515+/-0.006 χ^2/NDF: 3476125.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/9

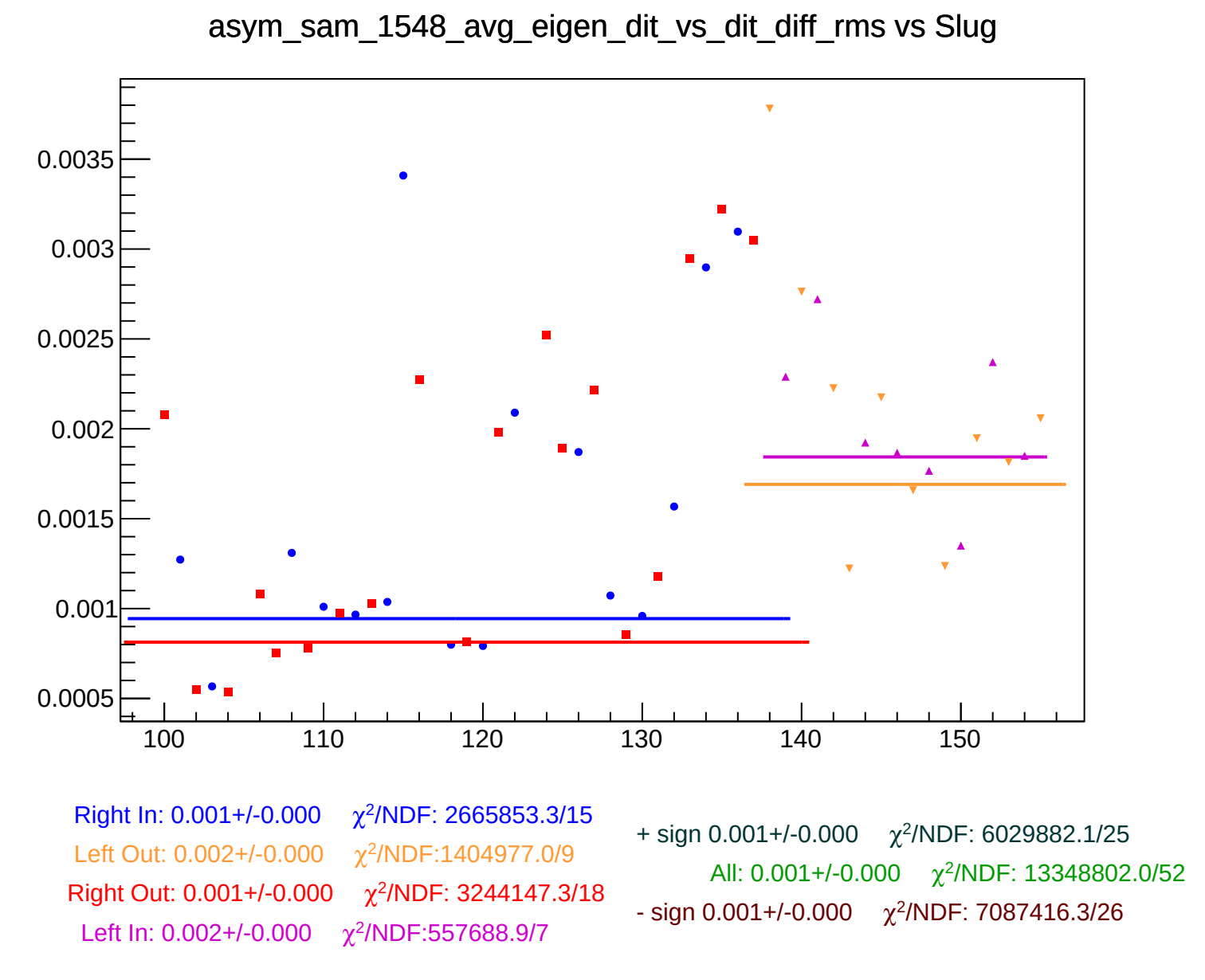
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

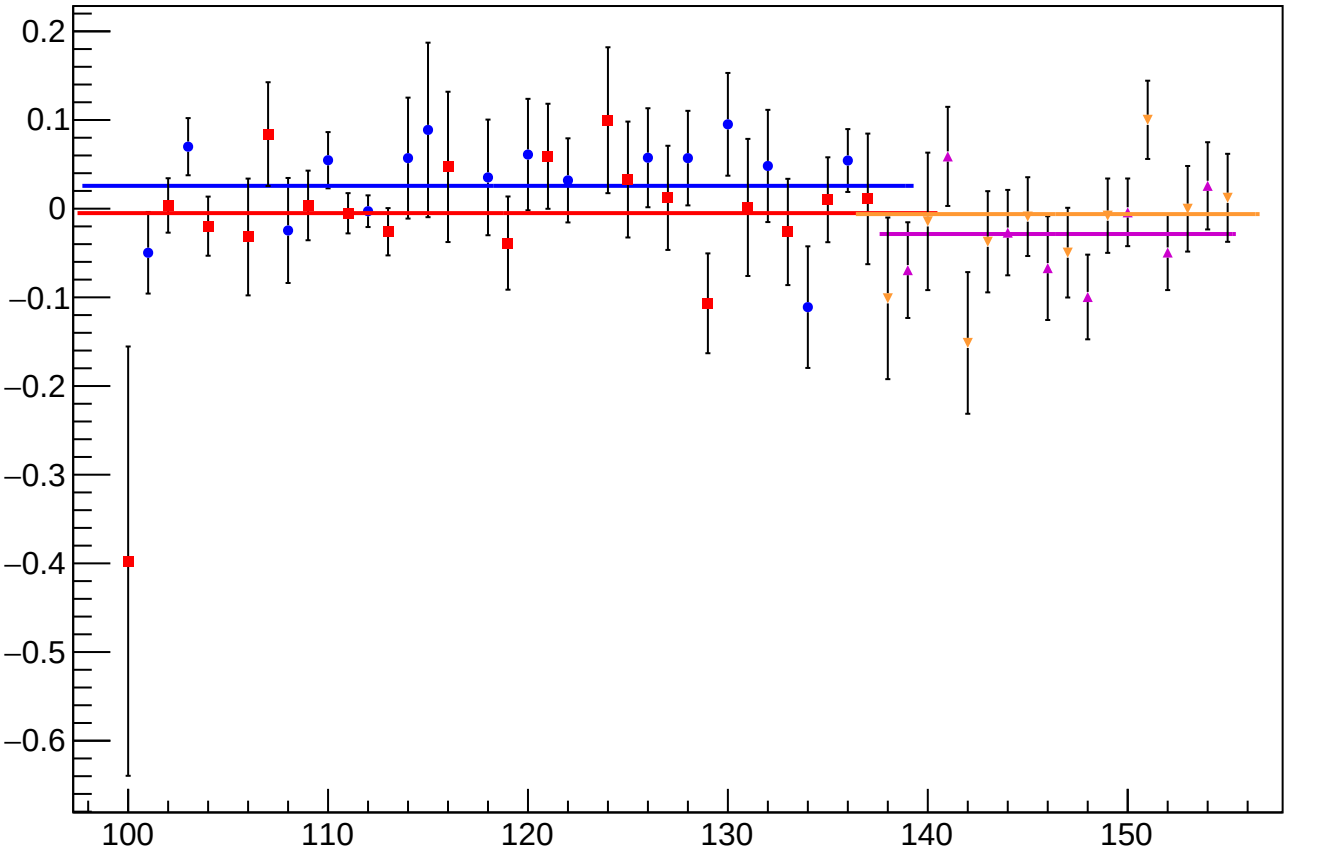
Left In: -0.000+/-0.000 χ^2/NDF:8.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/25

All: 0.000+/-0.000 χ^2/NDF: 64.4/52

- sign 0.000+/-0.000 χ^2/NDF: 21.9/26


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1404977.0/9
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:557688.9/7
+ sign 0.001+/-0.000 χ²/NDF: 6029882.1/25
All: 0.001+/-0.000 χ²/NDF: 13348802.0/52
- sign 0.001+/-0.000 χ²/NDF: 7087416.3/26



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.017 χ^2/NDF:11.4/9

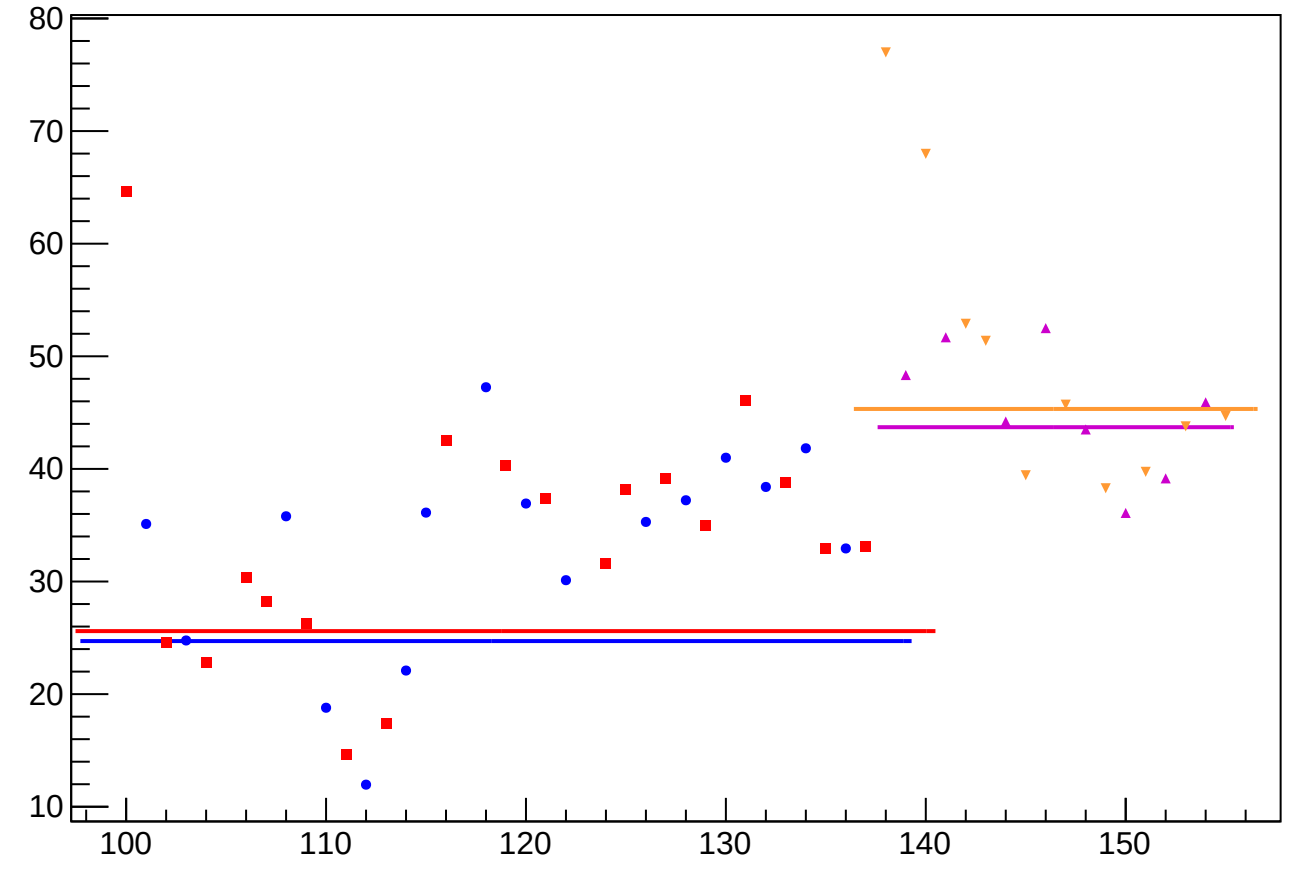
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.029+/-0.017 χ^2/NDF:7.5/7

+ sign 0.017+/-0.009 χ^2/NDF: 30.5/25

All: 0.003+/-0.006 χ^2/NDF: 58.2/52

- sign -0.011+/-0.009 χ^2/NDF: 22.6/26



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.325+/-0.012 χ^2/NDF:578762.6/9

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

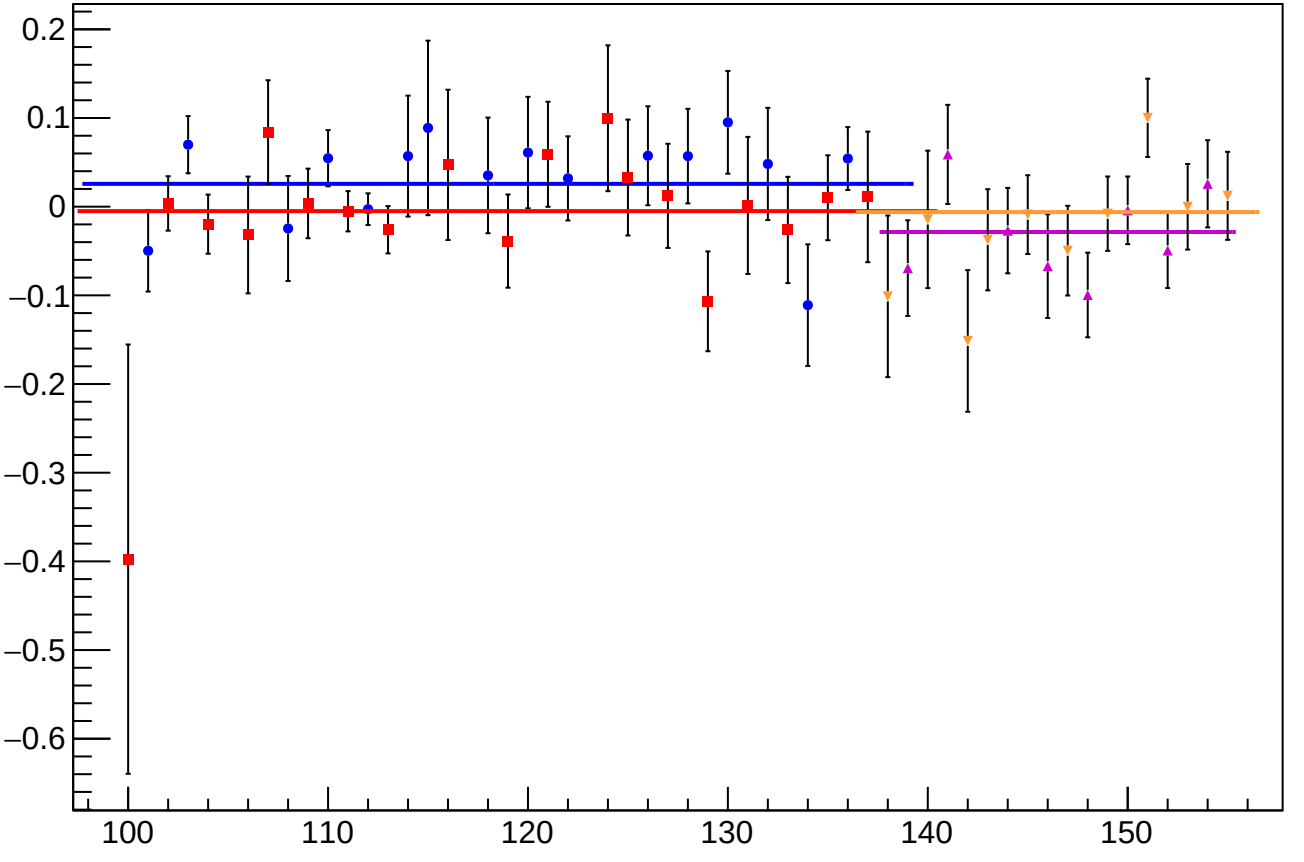
Left In: 43.704+/-0.012 χ^2/NDF:207660.5/7

+ sign 30.414+/-0.006 χ^2/NDF: 5065830.3/25

All: 30.464+/-0.004 χ^2/NDF: 8542402.8/52

- sign 30.515+/-0.006 χ^2/NDF: 3476441.2/26

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.017 χ^2/NDF:11.4/9

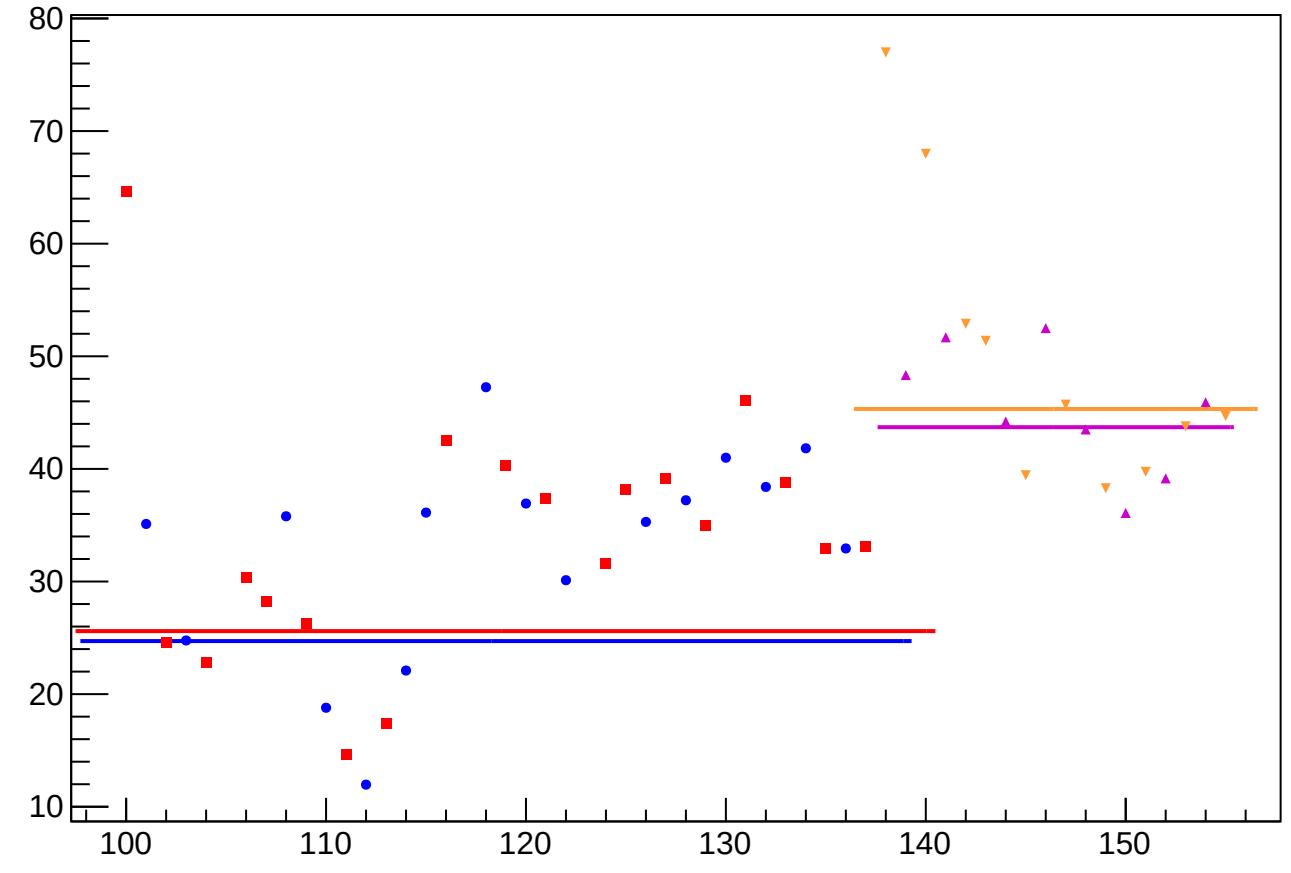
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.029+/-0.017 χ^2/NDF:7.5/7

+ sign 0.017+/-0.009 χ^2/NDF: 30.5/25

All: 0.003+/-0.006 χ^2/NDF: 58.2/52

- sign -0.011+/-0.009 χ^2/NDF: 22.6/26



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.325+/-0.012 χ^2/NDF:578762.6/9

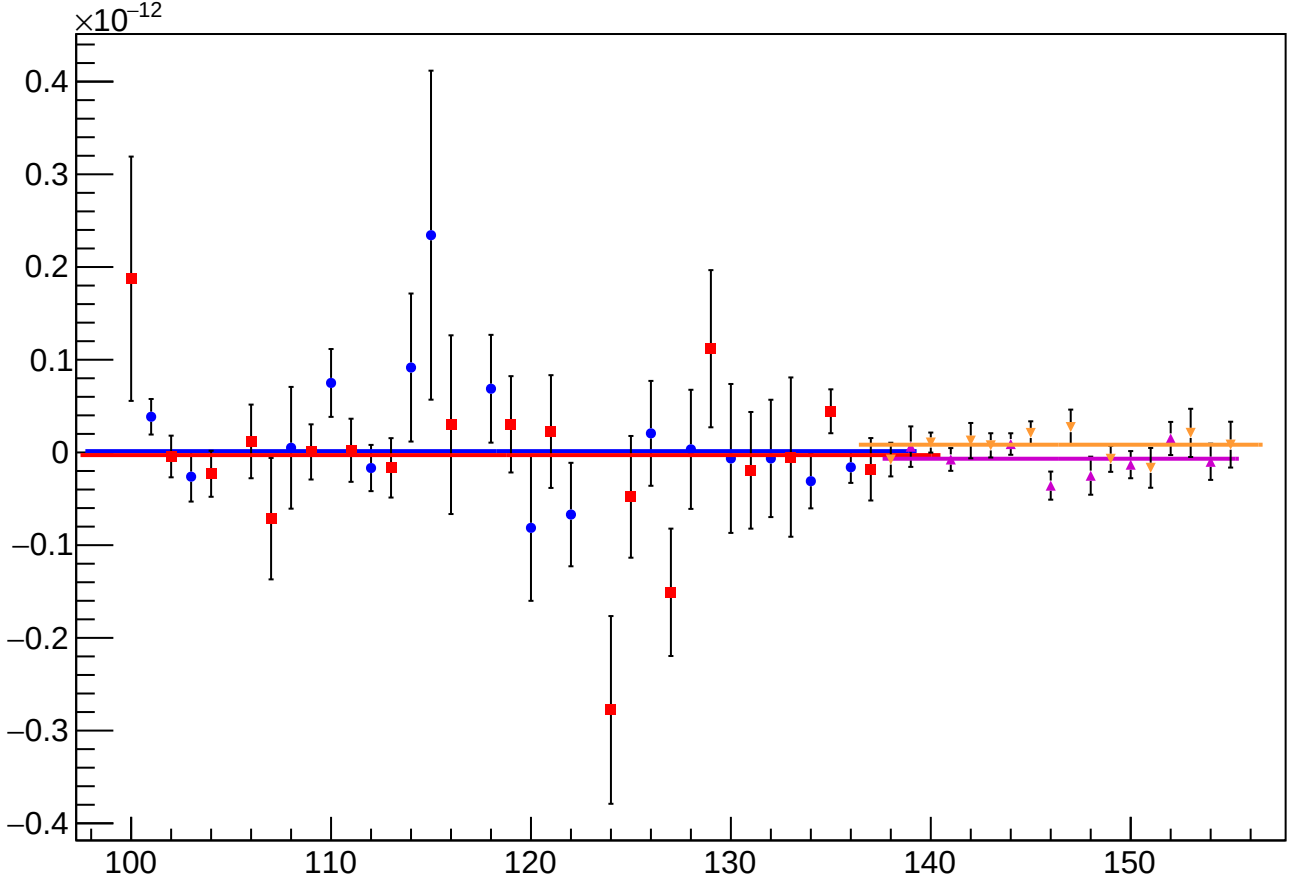
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.704+/-0.012 χ^2/NDF:207660.5/7

+ sign 30.414+/-0.006 χ^2/NDF: 5065830.3/25

All: 30.464+/-0.004 χ^2/NDF: 8542402.8/52

- sign 30.515+/-0.006 χ^2/NDF: 3476441.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/9

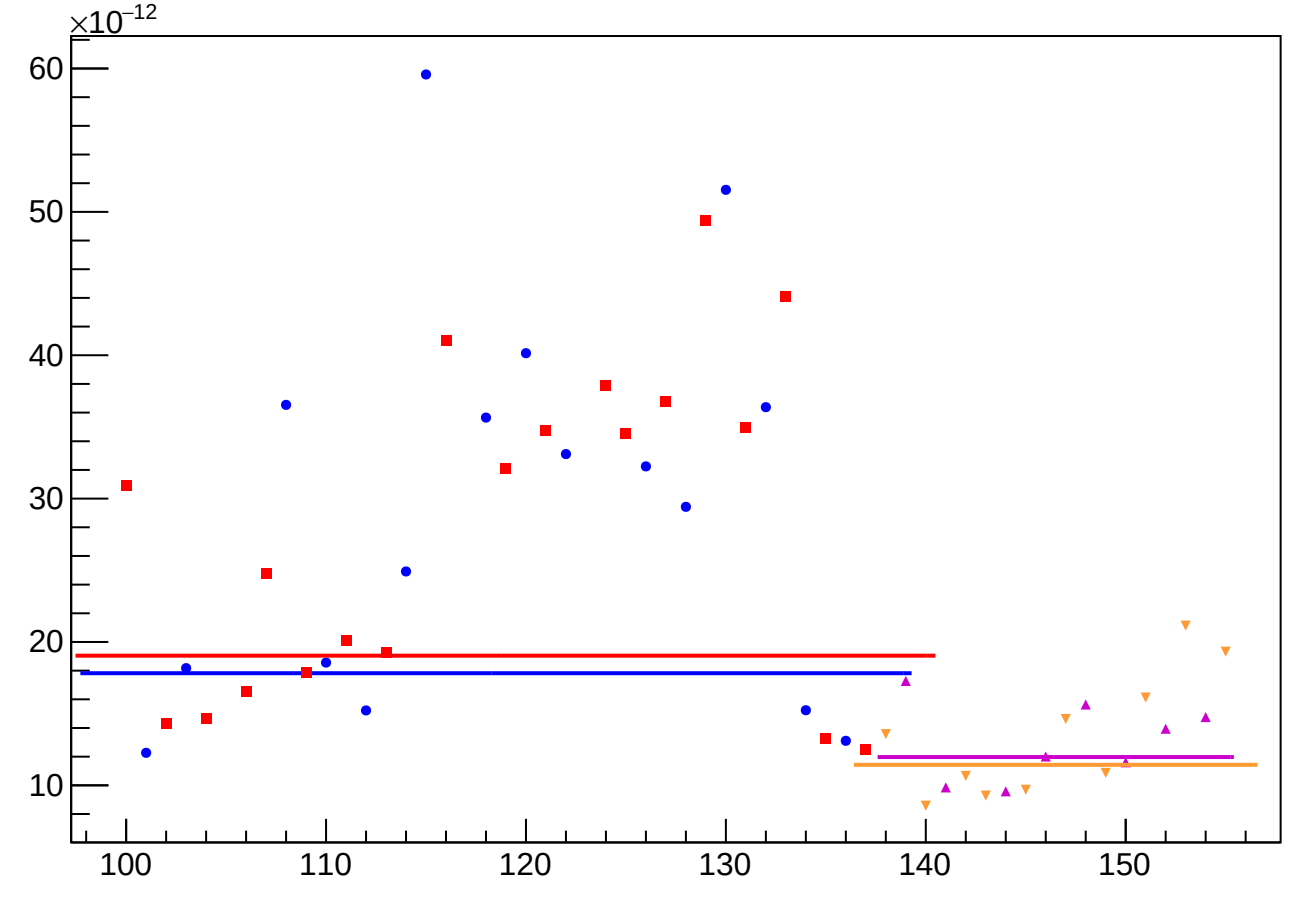
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/25

All: 0.000+/-0.000 χ^2/NDF: 60.6/52

- sign -0.000+/-0.000 χ^2/NDF: 32.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:901070.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

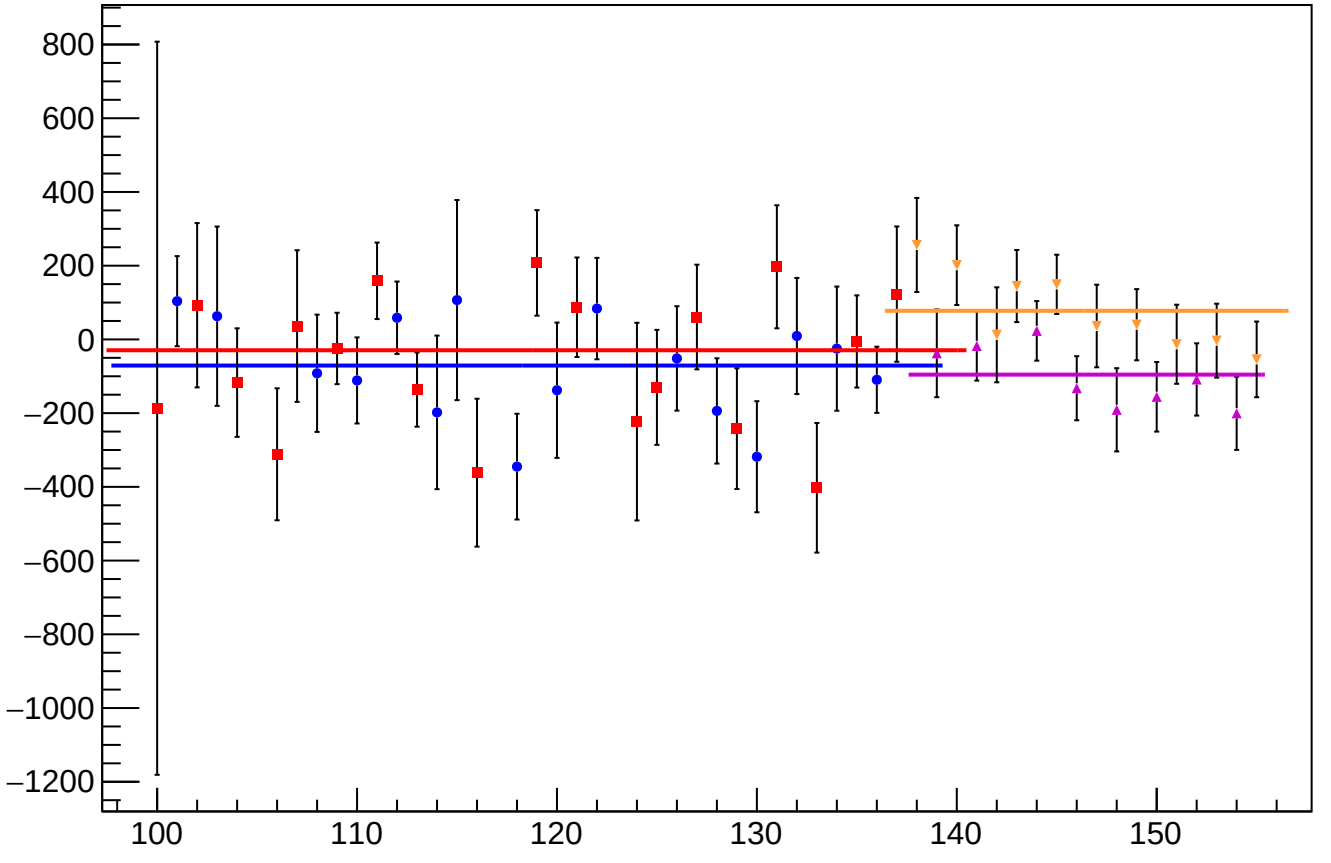
Left In: 0.000+/-0.000 χ^2/NDF:392572.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 3584220.4/25

All: 0.000+/-0.000 χ^2/NDF: 6510699.6/52

- sign 0.000+/-0.000 χ^2/NDF: 2894211.0/26

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 77.578+/-32.702 χ^2/NDF:8.1/9

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

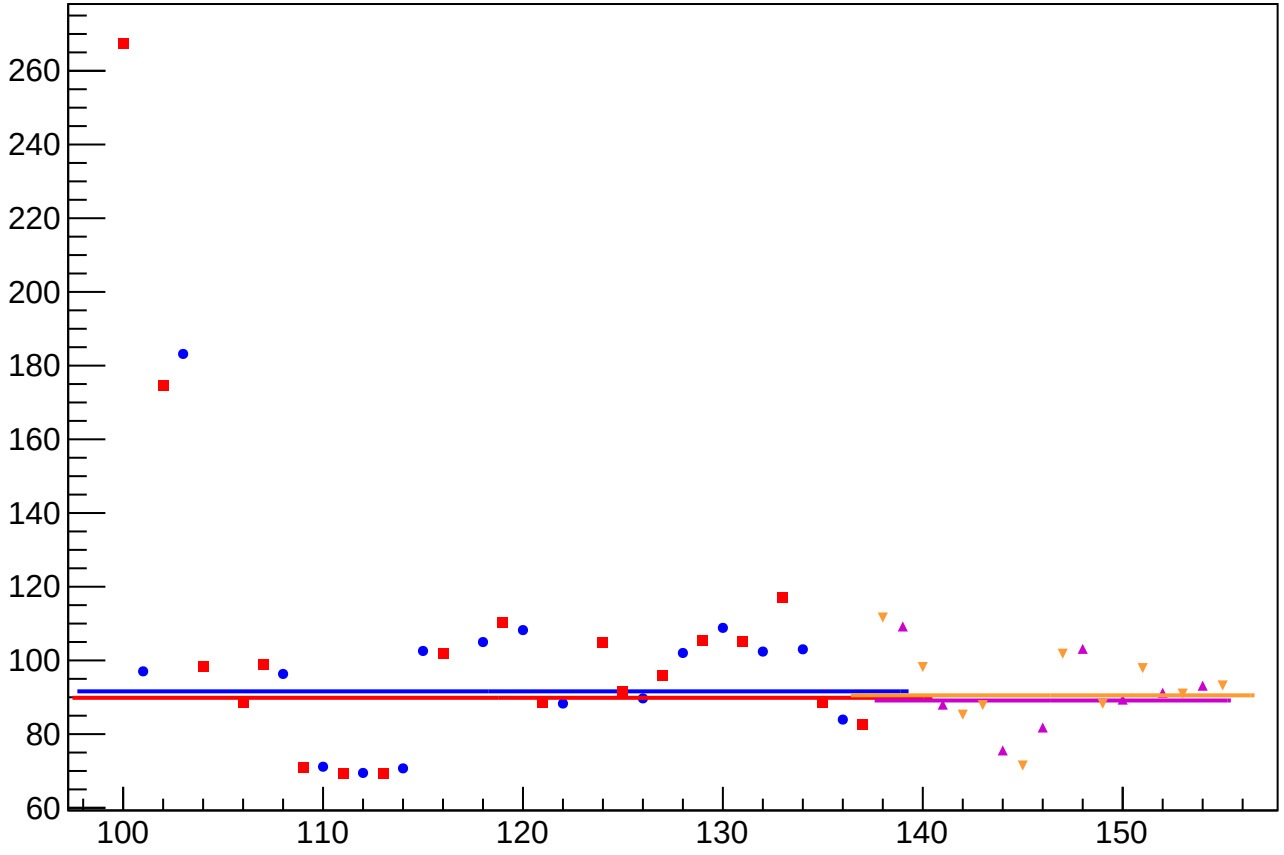
Left In: -95.582+/-33.994 χ^2/NDF:5.5/7

+ sign 8.633+/-23.934 χ^2/NDF: 31.7/25

All: -26.768+/-16.991 χ^2/NDF: 67.5/52

- sign -62.737+/-24.125 χ^2/NDF: 31.4/26

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.527+/-0.023 χ^2/NDF:214290.7/9

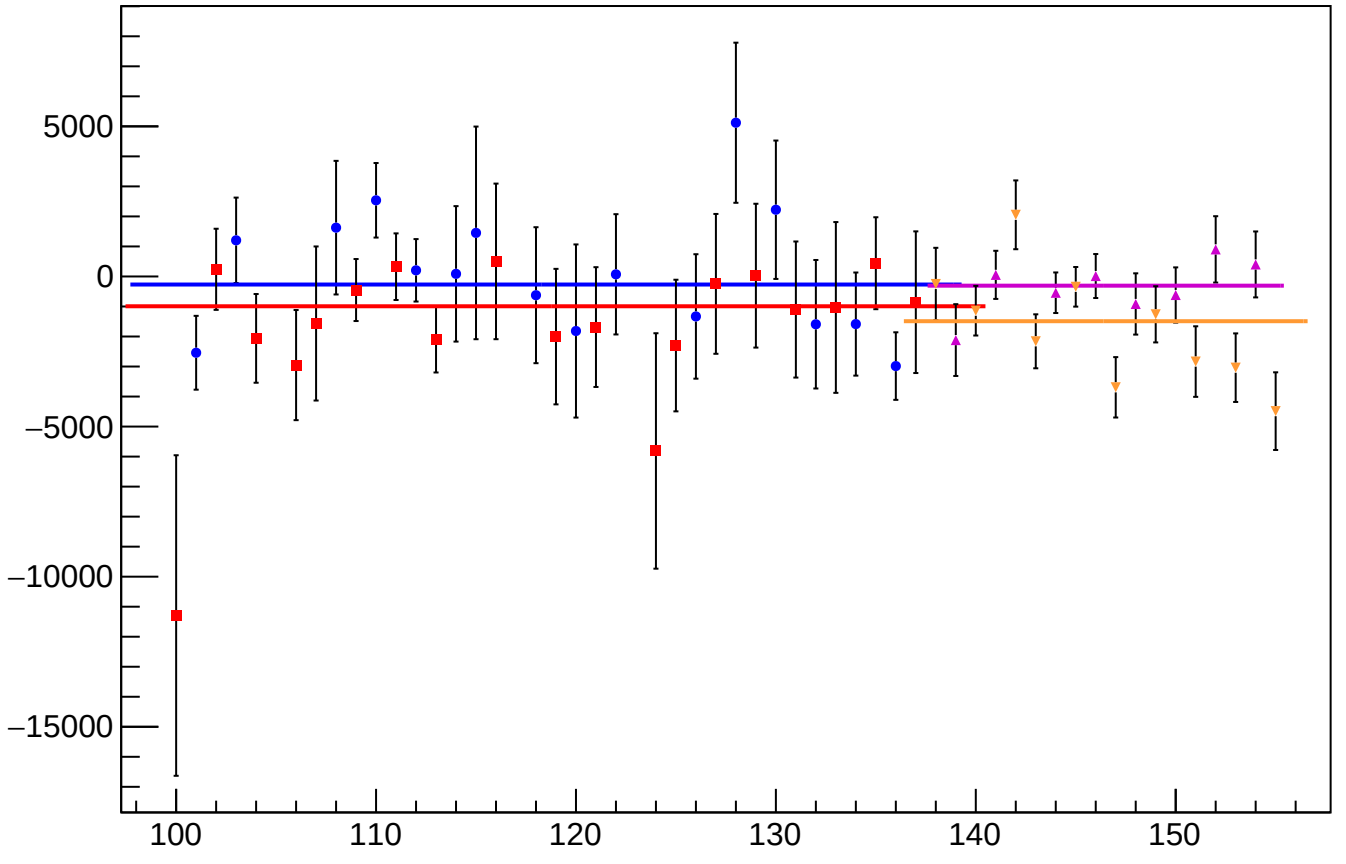
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.128+/-0.024 χ^2/NDF:162748.6/7

+ sign 91.029+/-0.017 χ^2/NDF: 795978.8/25

All: 90.265+/-0.012 χ^2/NDF: 1709579.5/52

- sign 89.488+/-0.017 χ^2/NDF: 909491.3/26



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1490.230+/-306.215 χ^2/NDF:27.7/9

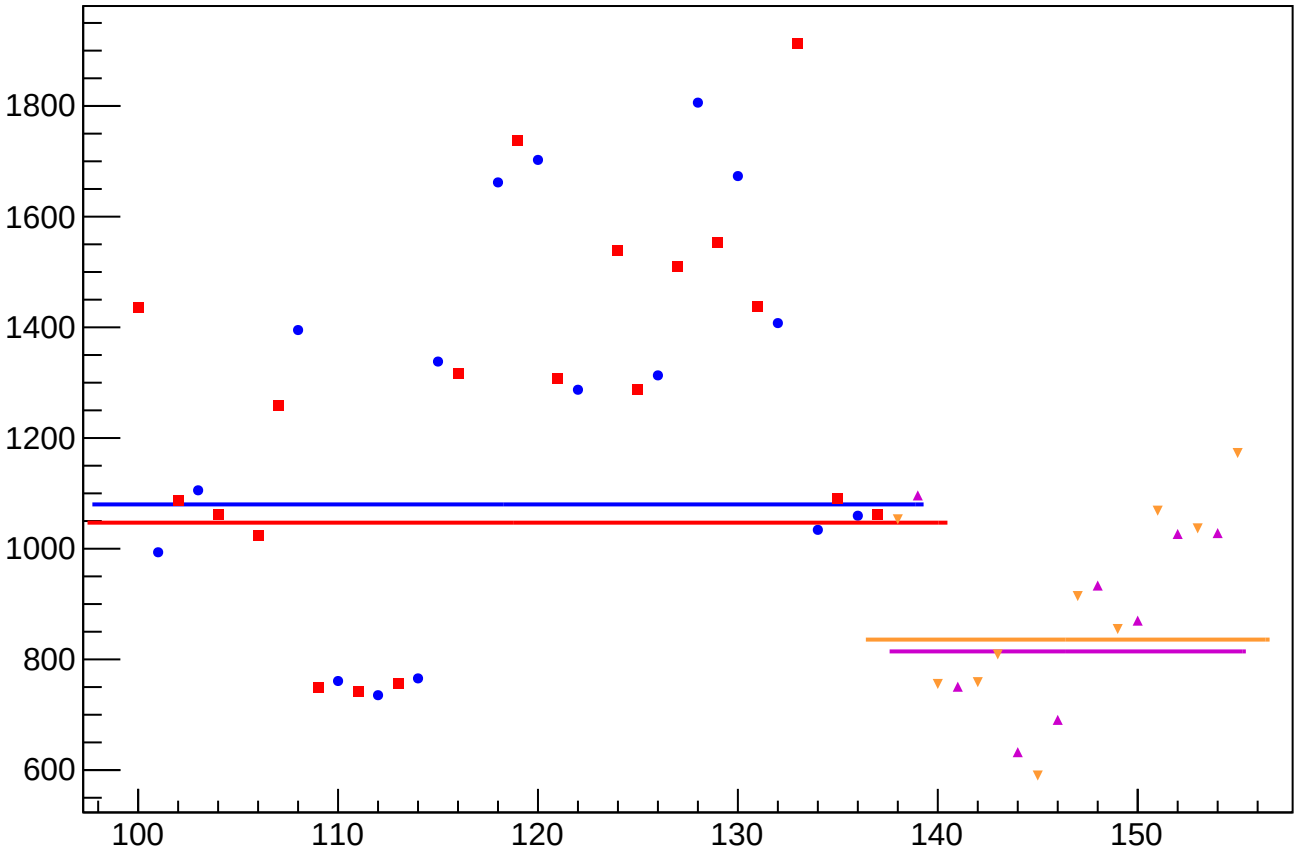
Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -306.546+/-314.649 χ^2/NDF:4.9/7

+ sign -1065.638+/-247.348 χ^2/NDF: 56.7/25

All: -817.047+/-174.955 χ^2/NDF: 78.1/52

- sign -568.149+/-247.500 χ^2/NDF: 19.4/26



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 835.784+/-0.217 χ^2/NDF:661027.3/9

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

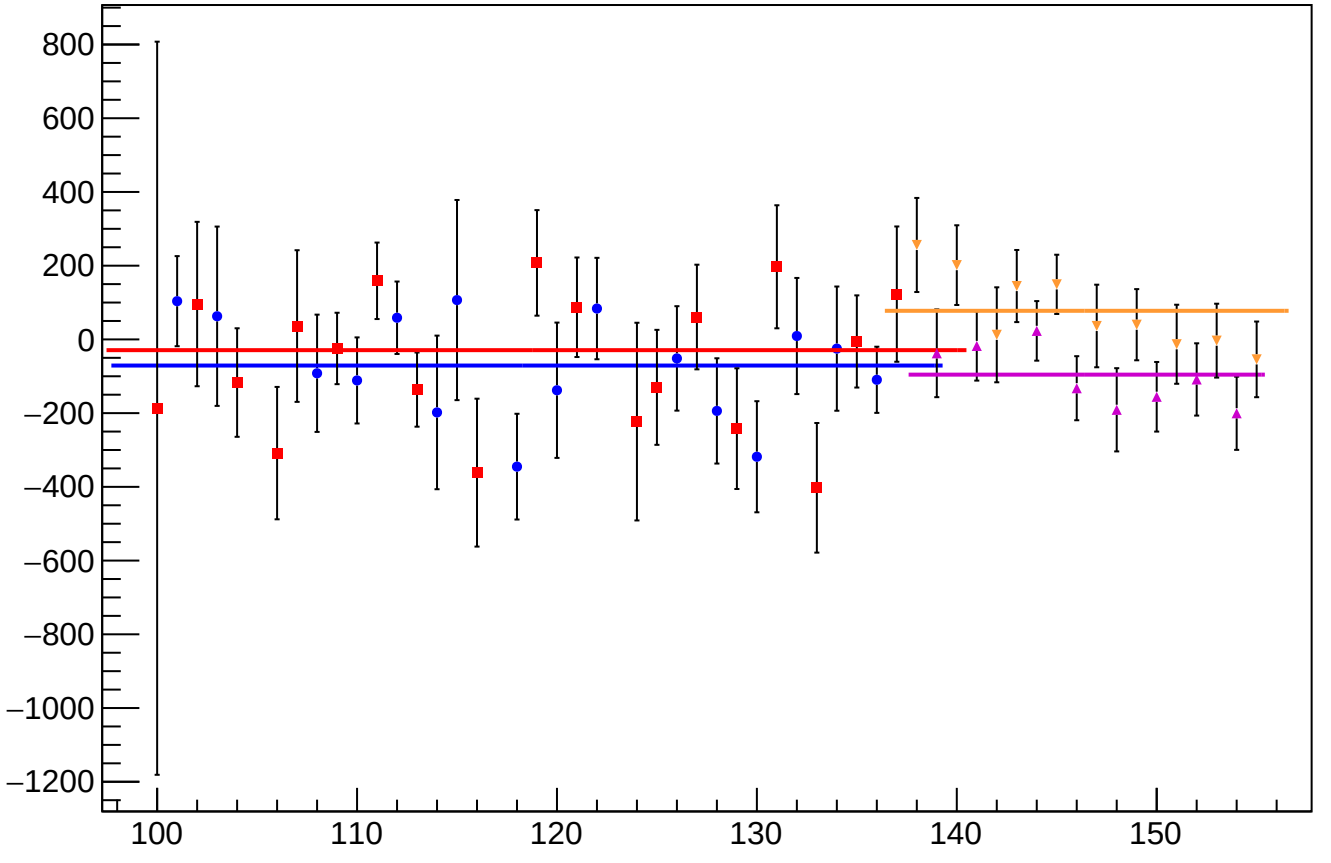
Left In: 814.425+/-0.222 χ^2/NDF:510006.3/7

+ sign 920.671+/-0.175 χ^2/NDF: 2156754.8/25

All: 911.904+/-0.124 χ^2/NDF: 4287302.3/52

- sign 903.126+/-0.175 χ^2/NDF: 2125519.0/26

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 77.585+/-32.702 χ^2/NDF:8.1/9

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

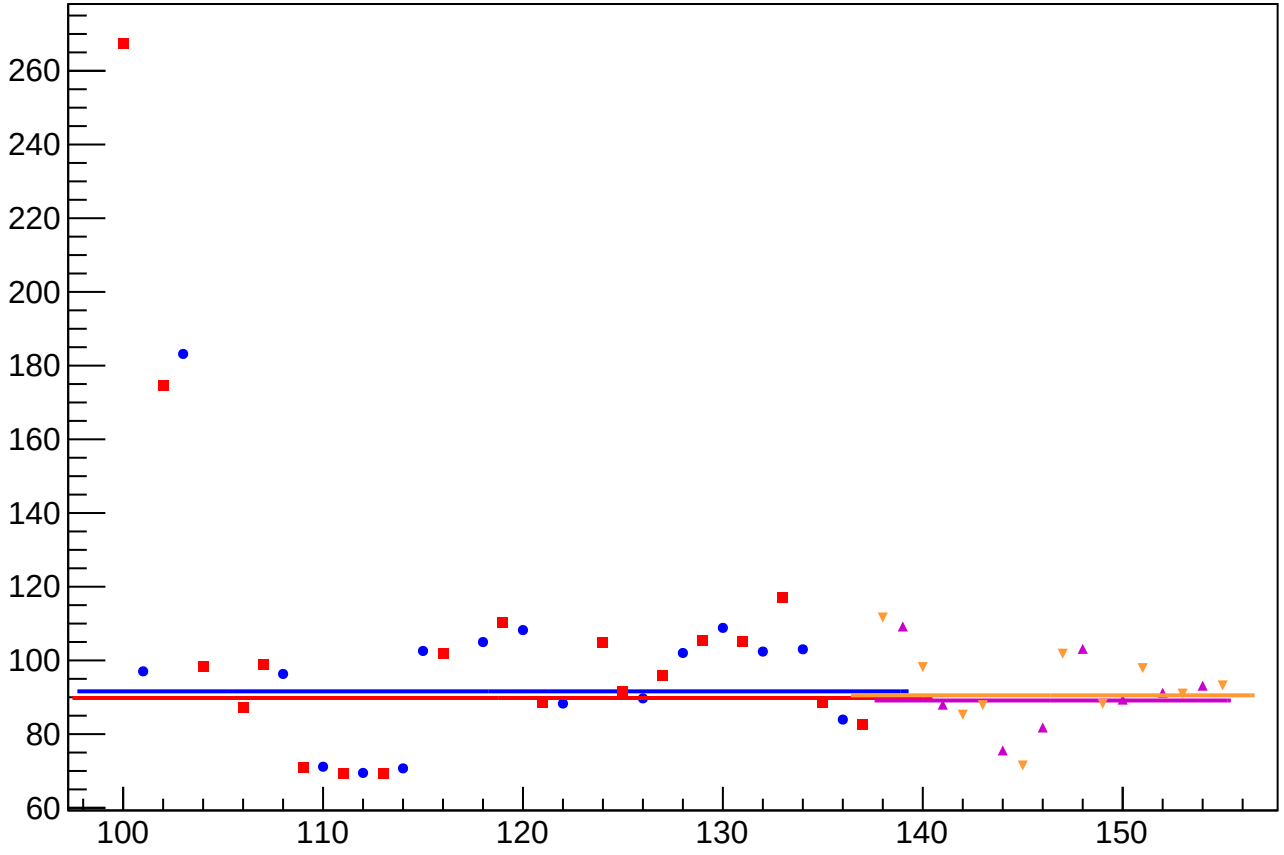
Left In: -95.582+/-33.994 χ^2/NDF:5.5/7

+ sign 8.632+/-23.934 χ^2/NDF: 31.7/25

All: -26.707+/-16.991 χ^2/NDF: 67.5/52

- sign -62.617+/-24.127 χ^2/NDF: 31.4/26

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.527+/-0.023 χ^2/NDF:214290.7/9

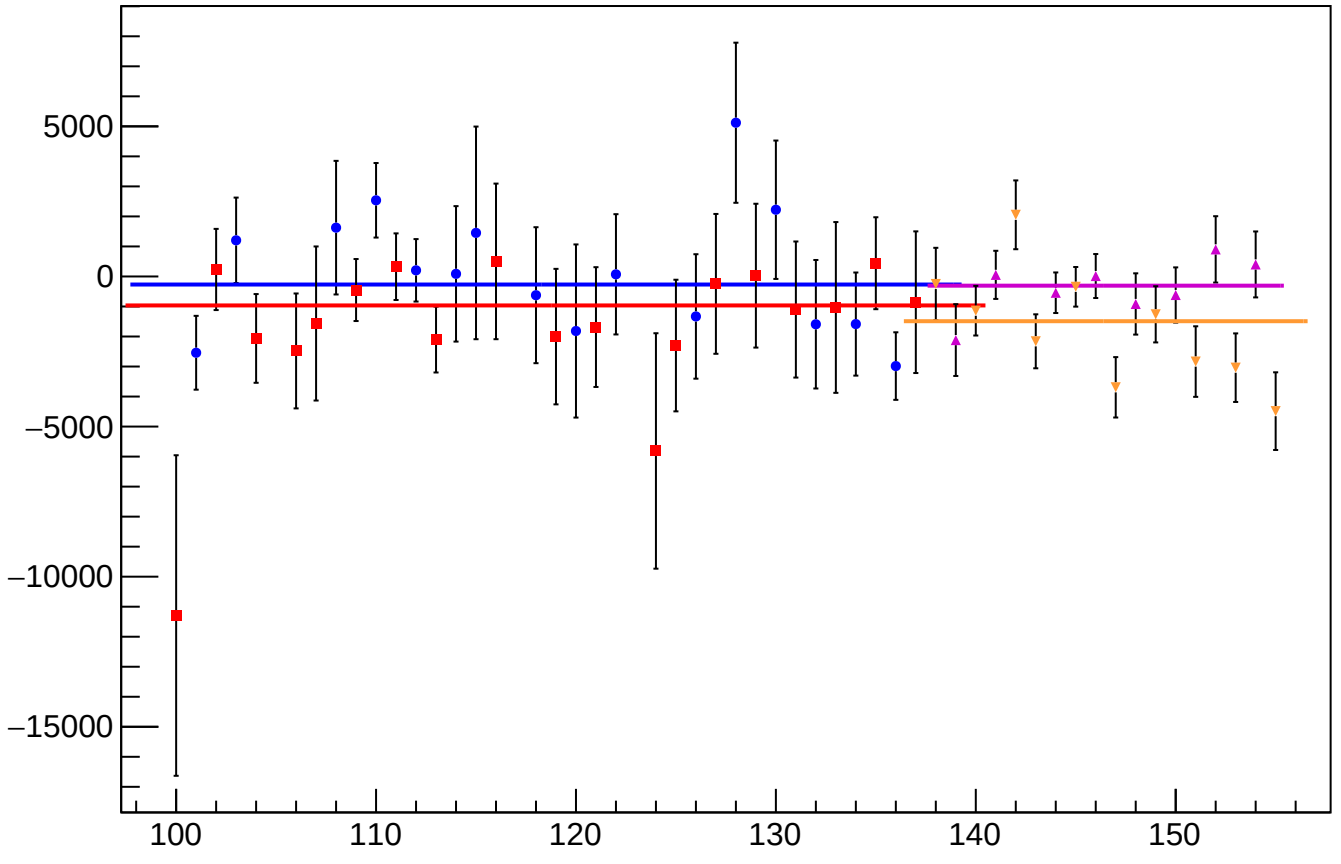
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.128+/-0.024 χ^2/NDF:162748.6/7

+ sign 91.029+/-0.017 χ^2/NDF: 795981.9/25

All: 90.253+/-0.012 χ^2/NDF: 1710196.1/52

- sign 89.465+/-0.017 χ^2/NDF: 909978.3/26



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1490.222+/-306.215 χ^2/NDF:27.7/9

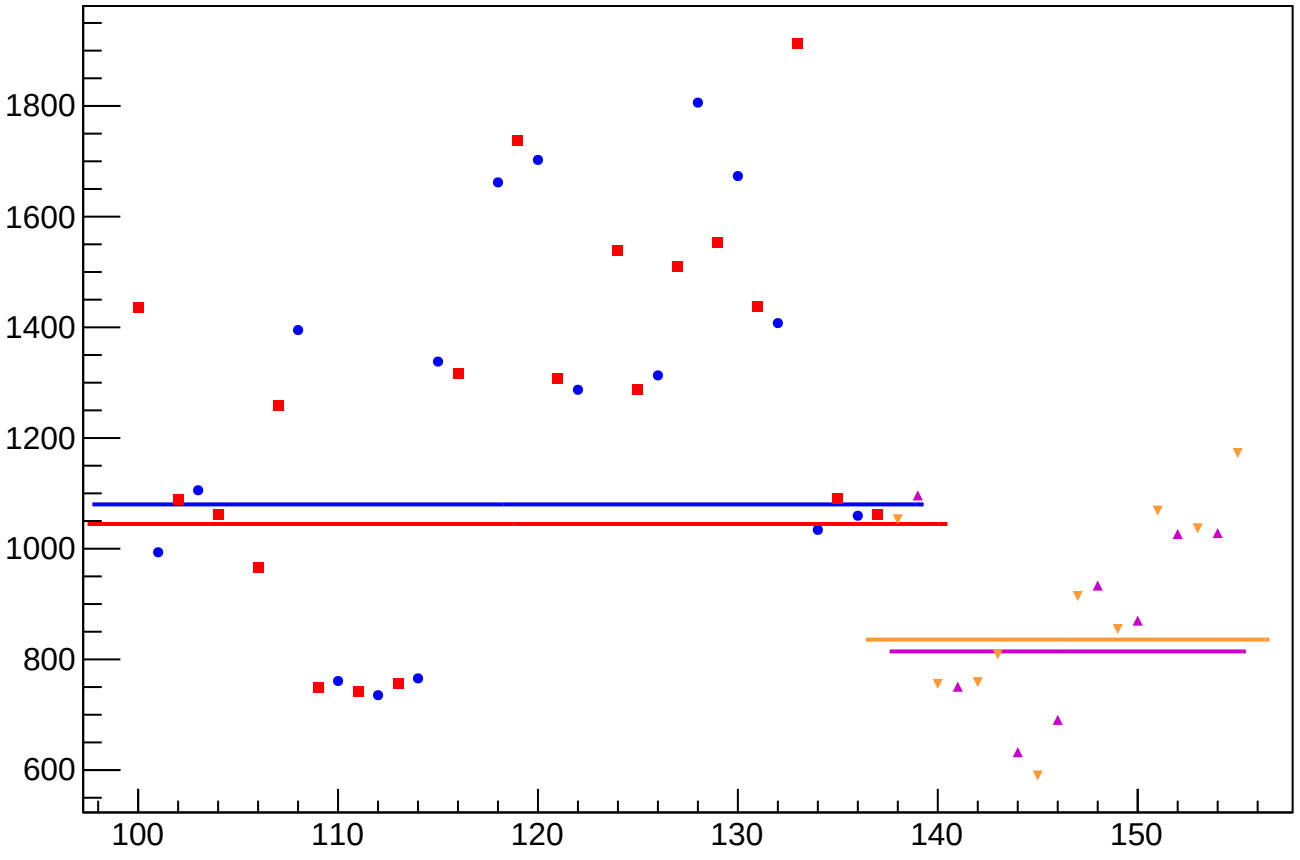
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -306.552+/-314.649 χ^2/NDF:4.9/7

+ sign -1065.645+/-247.348 χ^2/NDF: 56.7/25

All: -811.660+/-175.022 χ^2/NDF: 77.5/52

- sign -556.973+/-247.690 χ^2/NDF: 18.7/26



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 835.783+/-0.217 χ^2/NDF:661029.9/9

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

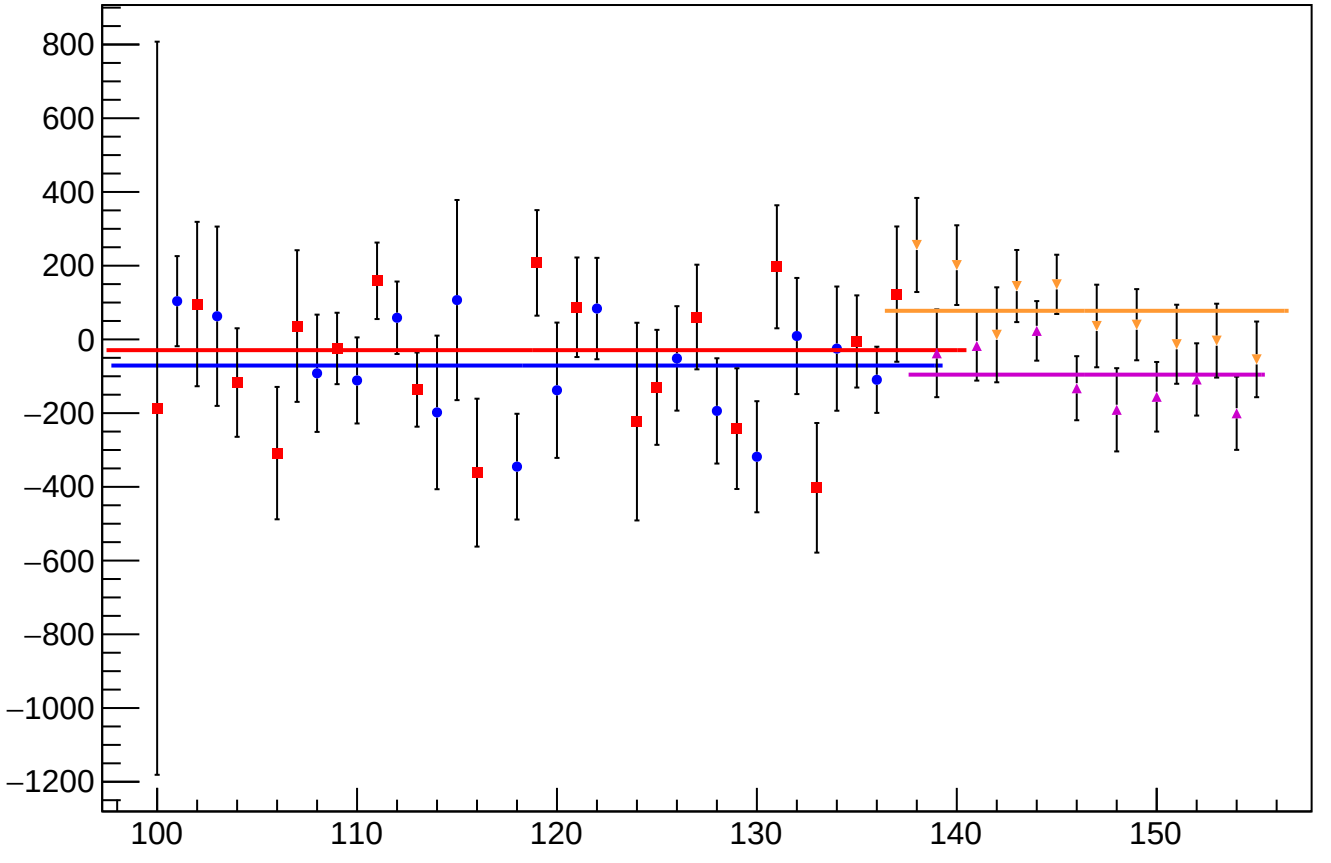
Left In: 814.425+/-0.222 χ^2/NDF:510005.7/7

+ sign 920.673+/-0.175 χ^2/NDF: 2156791.5/25

All: 911.355+/-0.124 χ^2/NDF: 4281771.9/52

- sign 902.011+/-0.175 χ^2/NDF: 2119295.7/26

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 77.585+/-32.702 χ^2/NDF:8.1/9

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

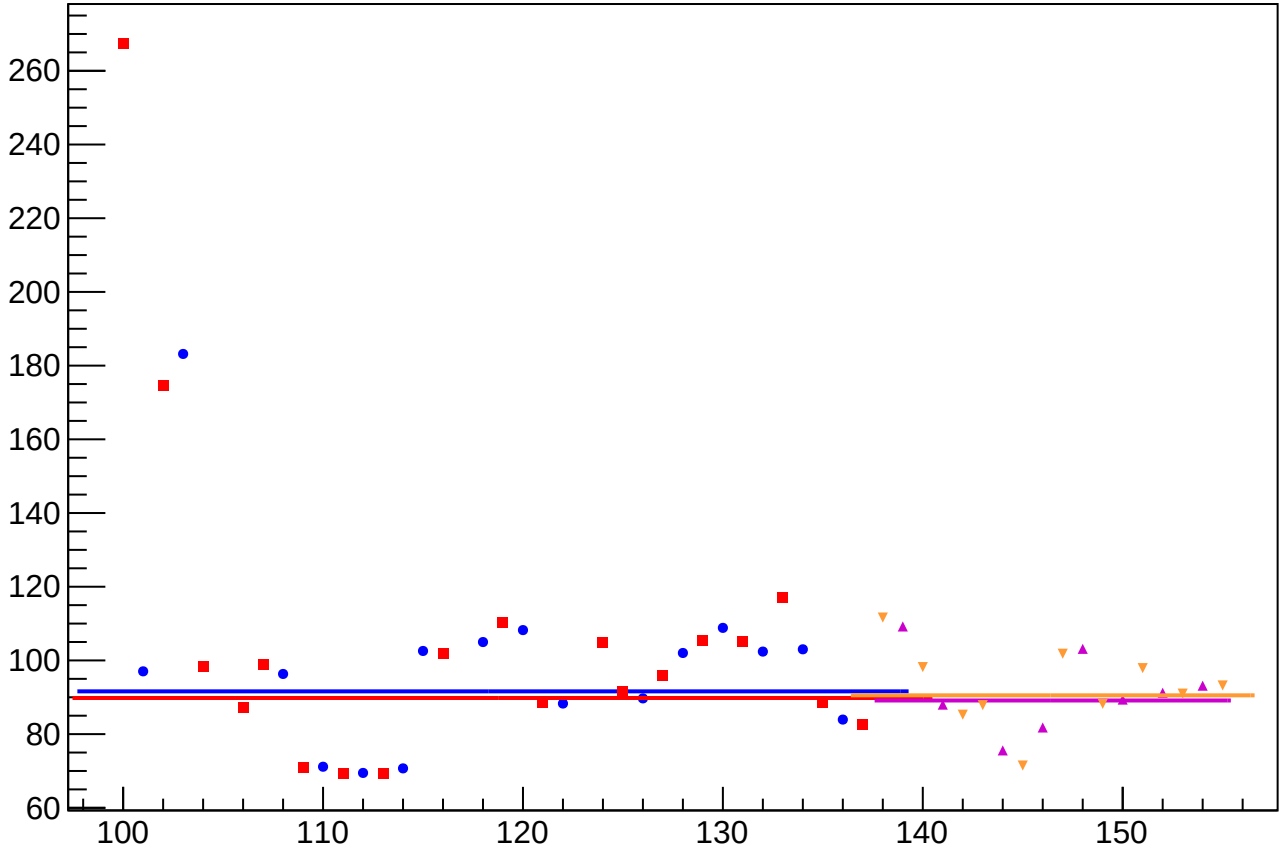
Left In: -95.582+/-33.994 χ^2/NDF:5.5/7

+ sign 8.632+/-23.934 χ^2/NDF: 31.7/25

All: -26.707+/-16.991 χ^2/NDF: 67.5/52

- sign -62.617+/-24.127 χ^2/NDF: 31.4/26

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.527+/-0.023 χ^2/NDF:214290.7/9

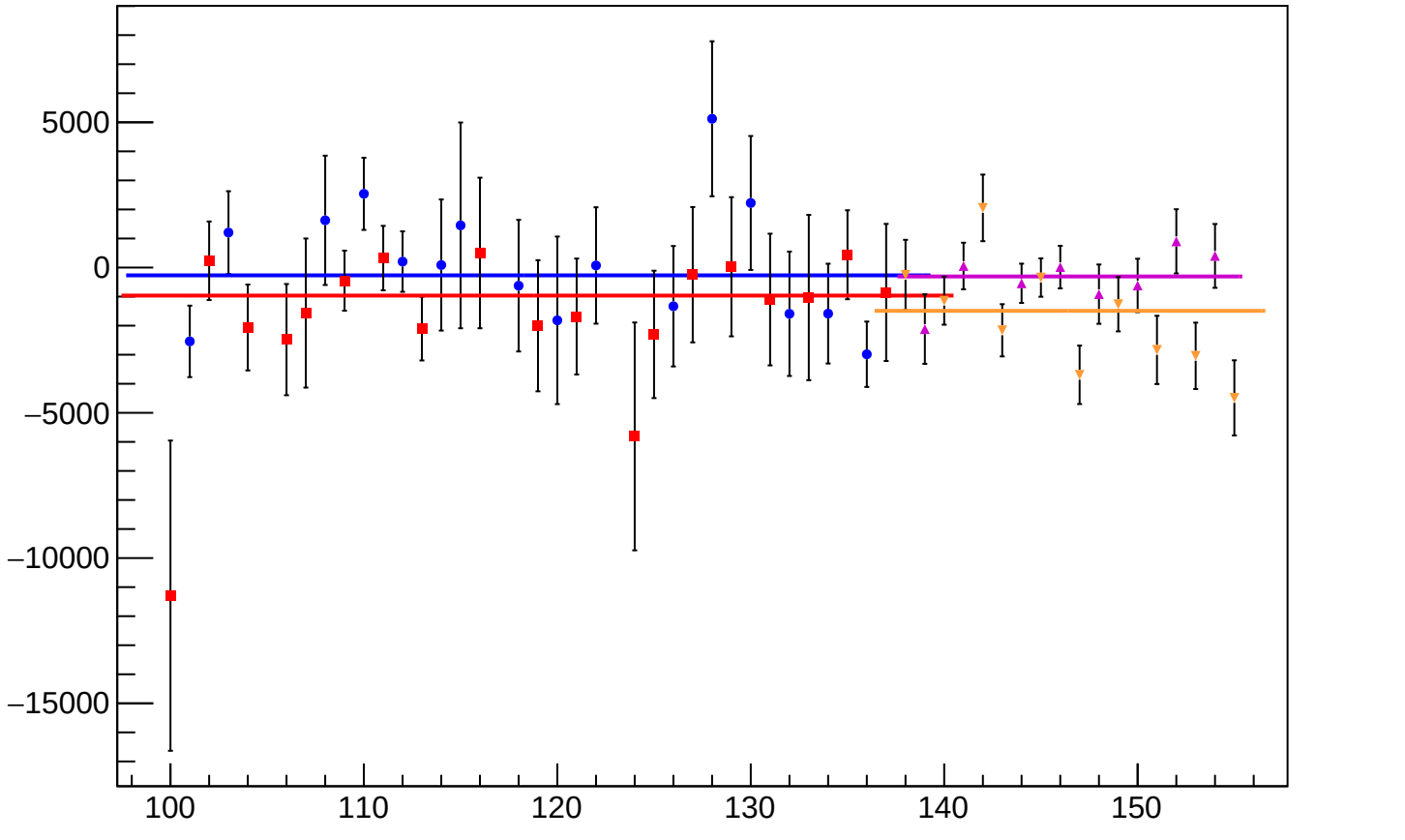
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.128+/-0.024 χ^2/NDF:162748.6/7

+ sign 91.029+/-0.017 χ^2/NDF: 795981.9/25

All: 90.253+/-0.012 χ^2/NDF: 1710196.1/52

- sign 89.465+/-0.017 χ^2/NDF: 909978.3/26



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1490.222+/-306.215 χ^2/NDF:27.7/9

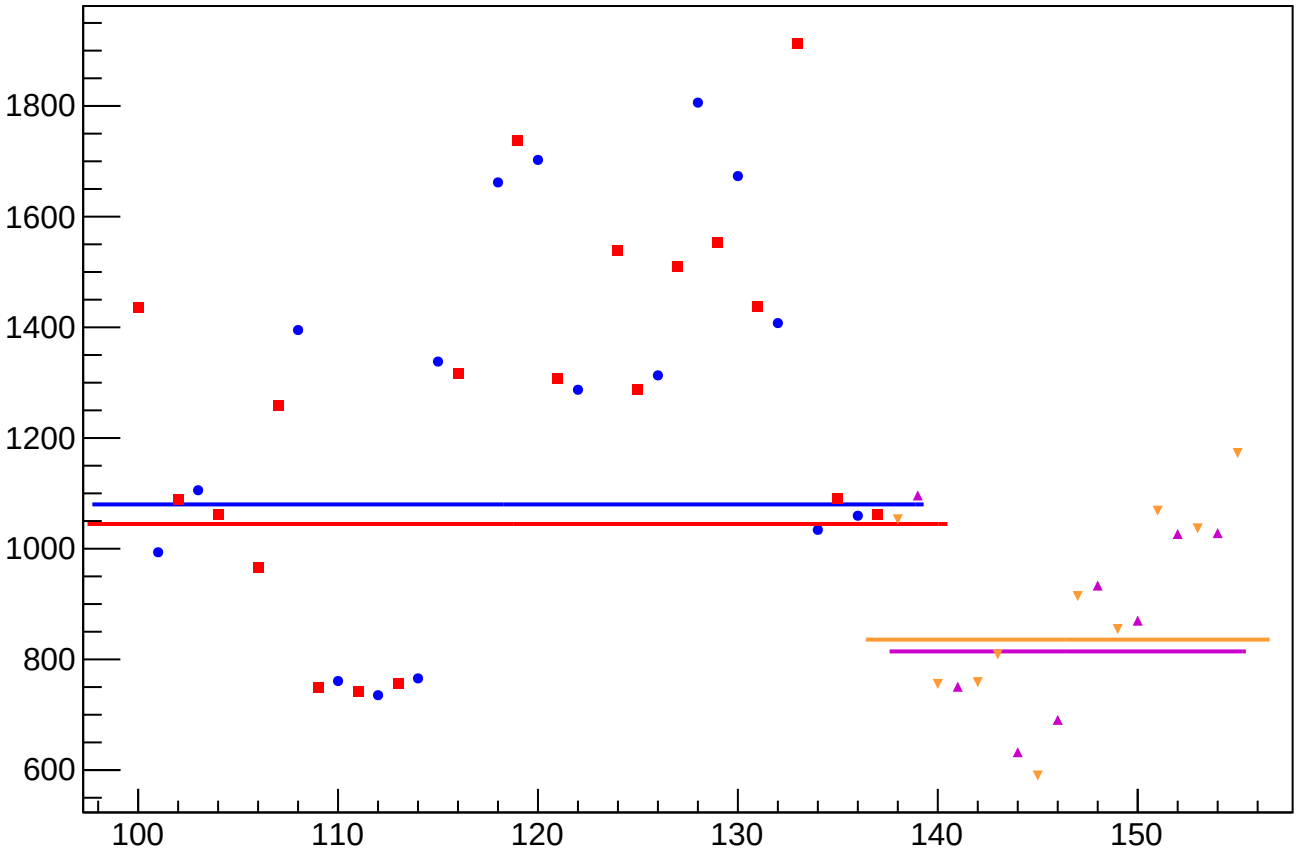
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -306.552+/-314.649 χ^2/NDF:4.9/7

+ sign -1065.645+/-247.348 χ^2/NDF: 56.7/25

All: -811.660+/-175.022 χ^2/NDF: 77.5/52

- sign -556.973+/-247.690 χ^2/NDF: 18.7/26



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 835.783+/-0.217 χ^2/NDF:661029.9/9

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

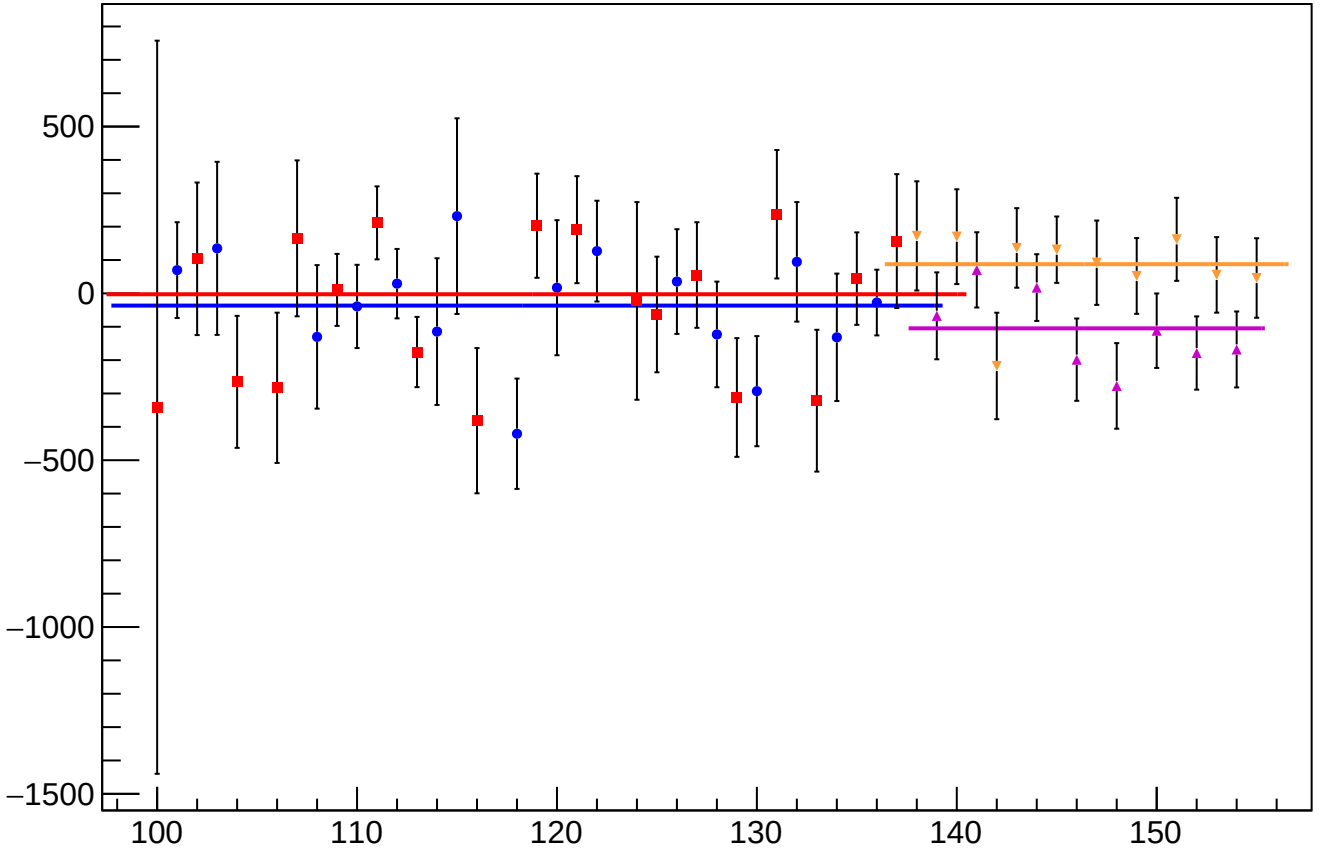
Left In: 814.425+/-0.222 χ^2/NDF:510005.7/7

+ sign 920.673+/-0.175 χ^2/NDF: 2156791.5/25

All: 911.355+/-0.124 χ^2/NDF: 4281771.9/52

- sign 902.011+/-0.175 χ^2/NDF: 2119295.7/26

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 87.558+/-39.200 χ^2/NDF:5.3/9

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

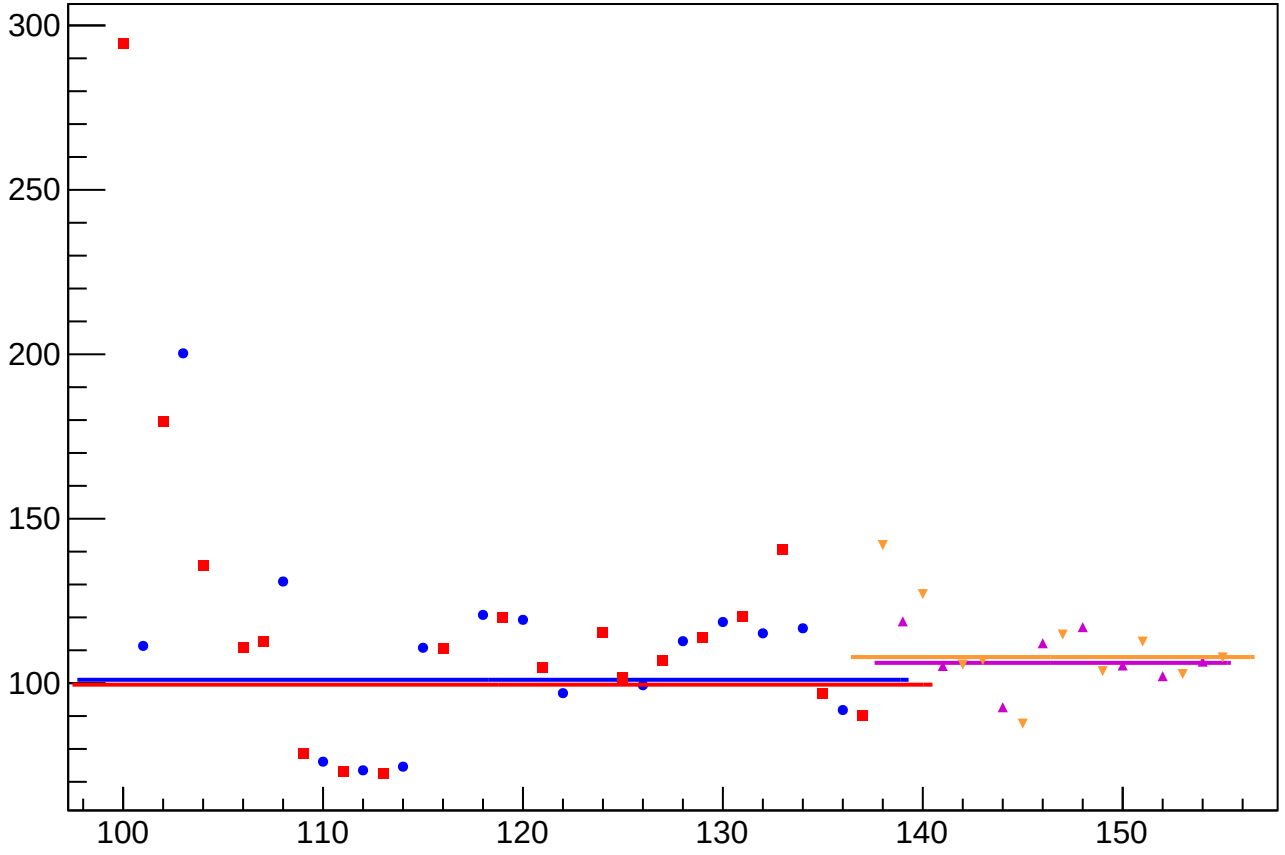
Left In: -104.811+/-40.670 χ^2/NDF:7.1/7

+ sign 25.152+/-27.644 χ^2/NDF: 23.2/25

All: -12.393+/-19.613 χ^2/NDF: 62.2/52

- sign -50.443+/-27.830 χ^2/NDF: 35.2/26

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.946+/-0.028 χ^2/NDF:221839.2/9

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

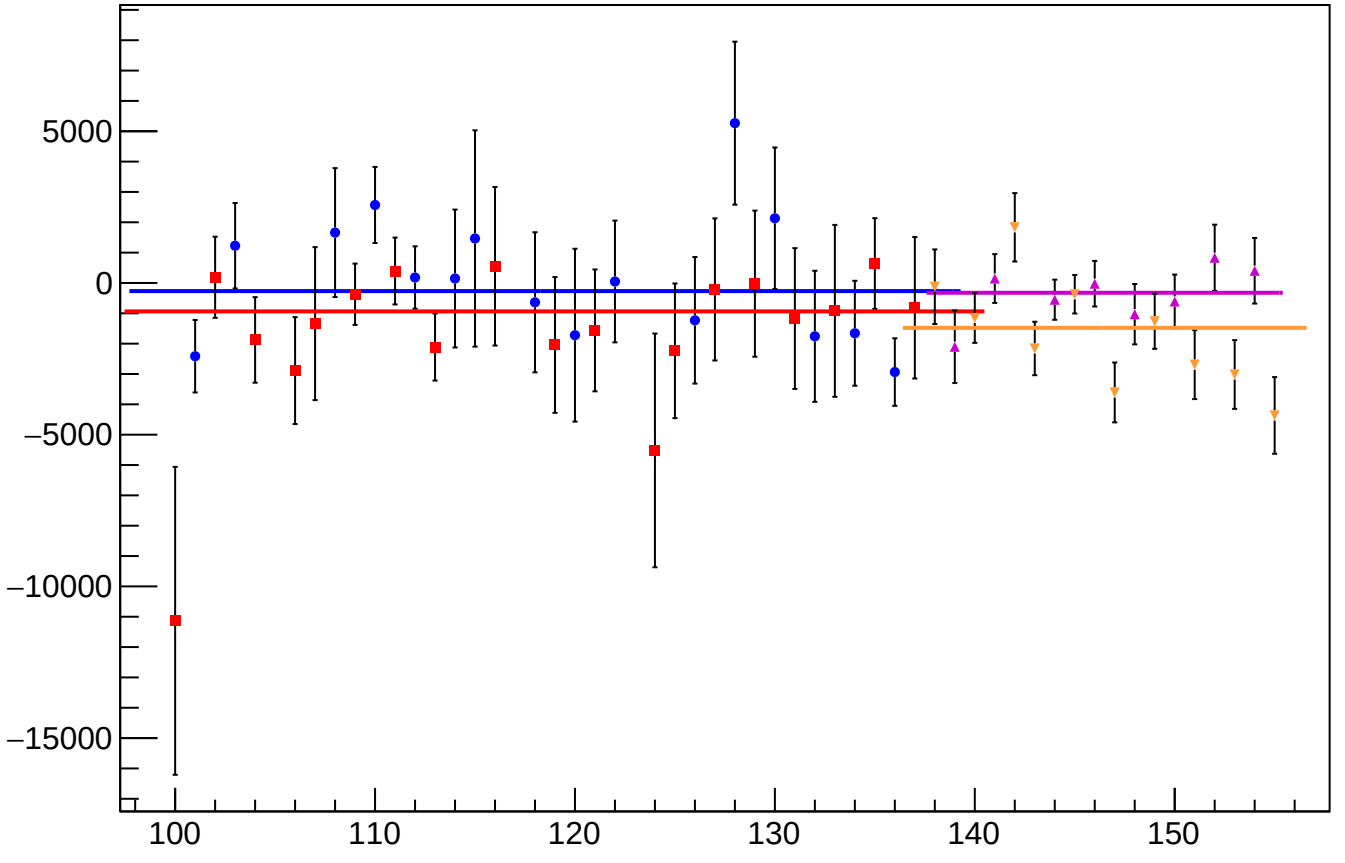
Left In: 106.178+/-0.029 χ^2/NDF:77241.3/7

+ sign 104.470+/-0.020 χ^2/NDF: 969221.1/25

All: 103.567+/-0.014 χ^2/NDF: 1959528.8/52

- sign 102.652+/-0.020 χ^2/NDF: 986011.2/26

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1479.333+/-299.640 χ^2/NDF:26.6/9

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

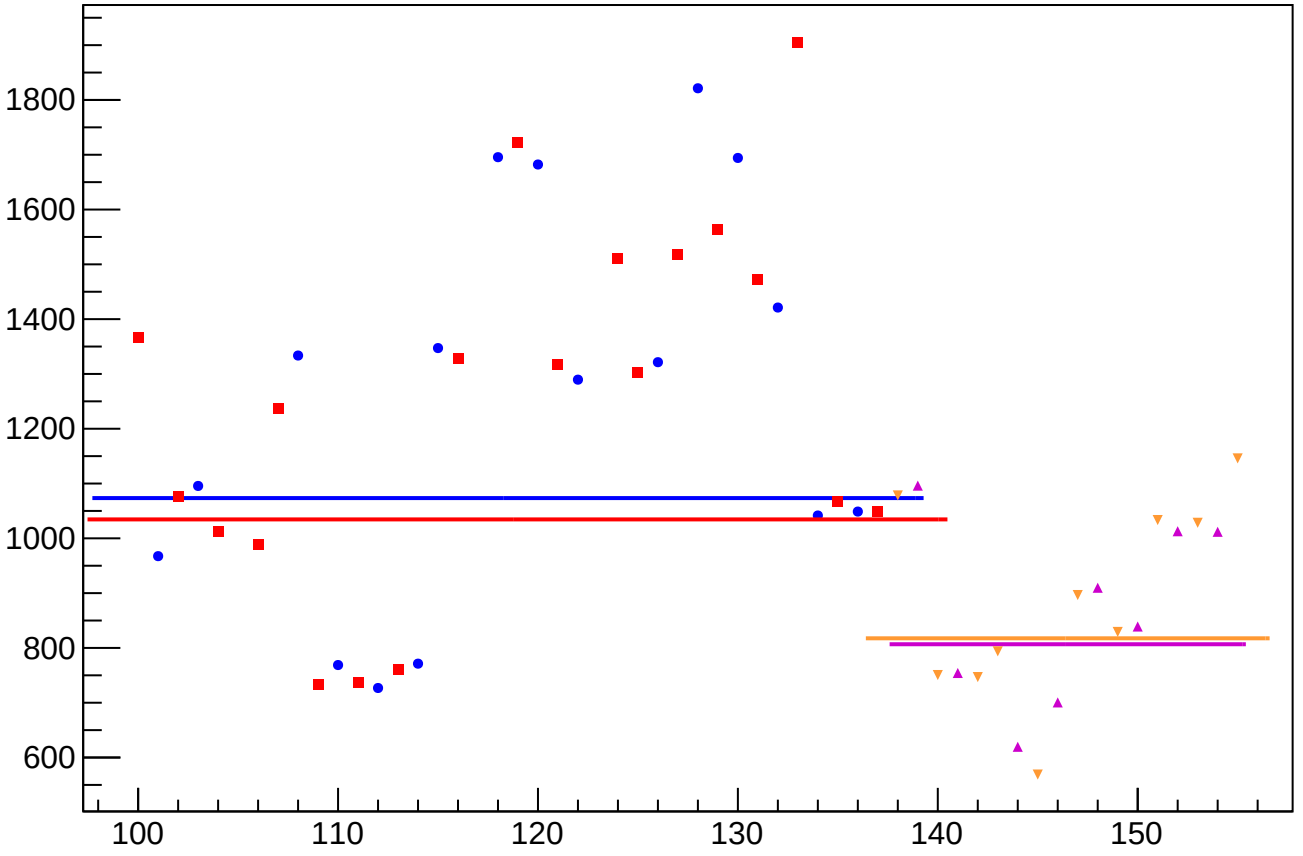
Left In: -322.881+/-311.806 χ^2/NDF:5.0/7

\+ sign -1066.899+/-243.346 χ^2/NDF: 55.6/25

All: -814.028+/-172.666 χ^2/NDF: 77.4/52

\- sign -557.636+/-245.035 χ^2/NDF: 19.6/26

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 817.546+/-0.212 χ^2/NDF:710006.0/9

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

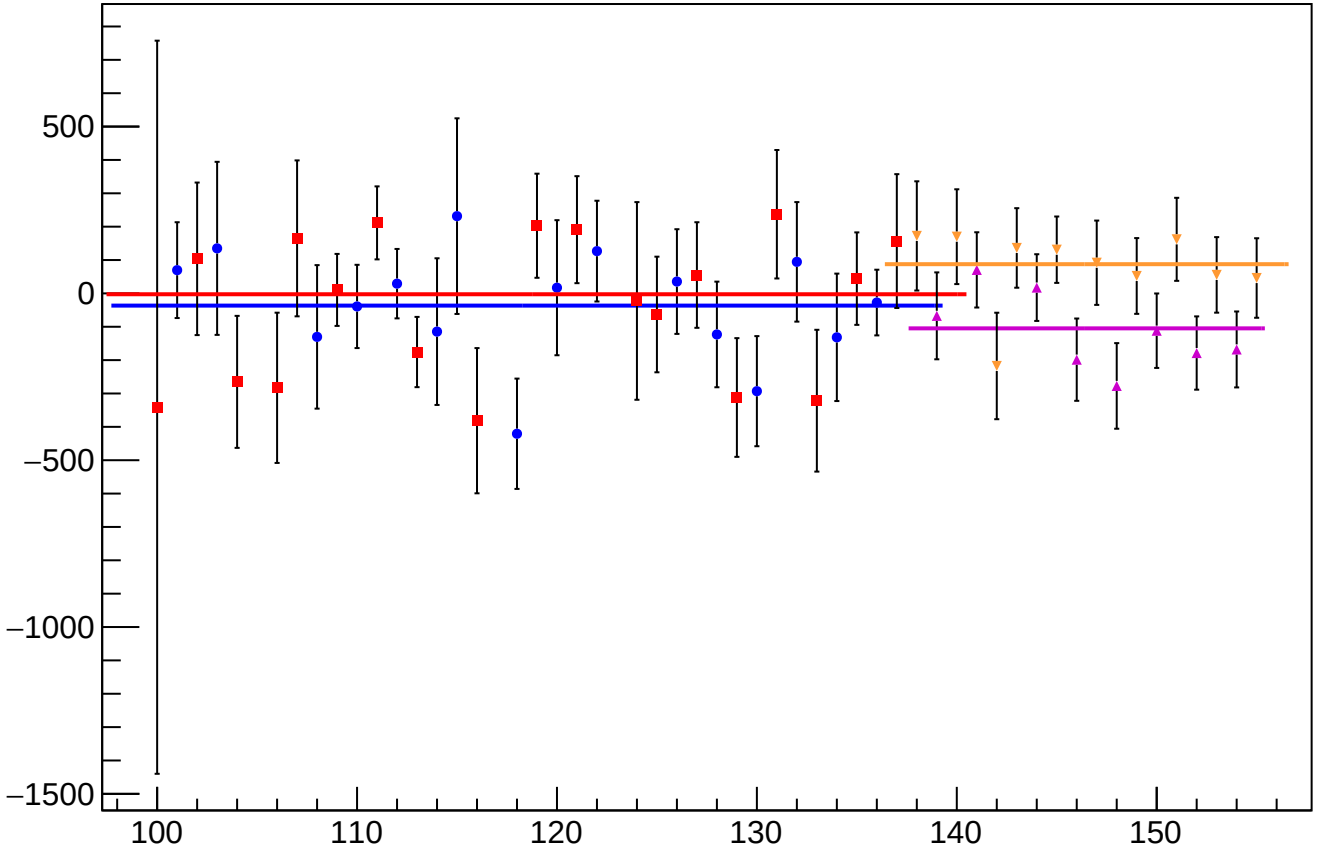
Left In: 806.723+/-0.220 χ^2/NDF:493526.3/7

+ sign 904.670+/-0.172 χ^2/NDF: 2283712.5/25

All: 899.295+/-0.122 χ^2/NDF: 4416833.1/52

- sign 893.845+/-0.173 χ^2/NDF: 2131155.5/26

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 87.559+/-39.200 χ^2/NDF:5.3/9

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

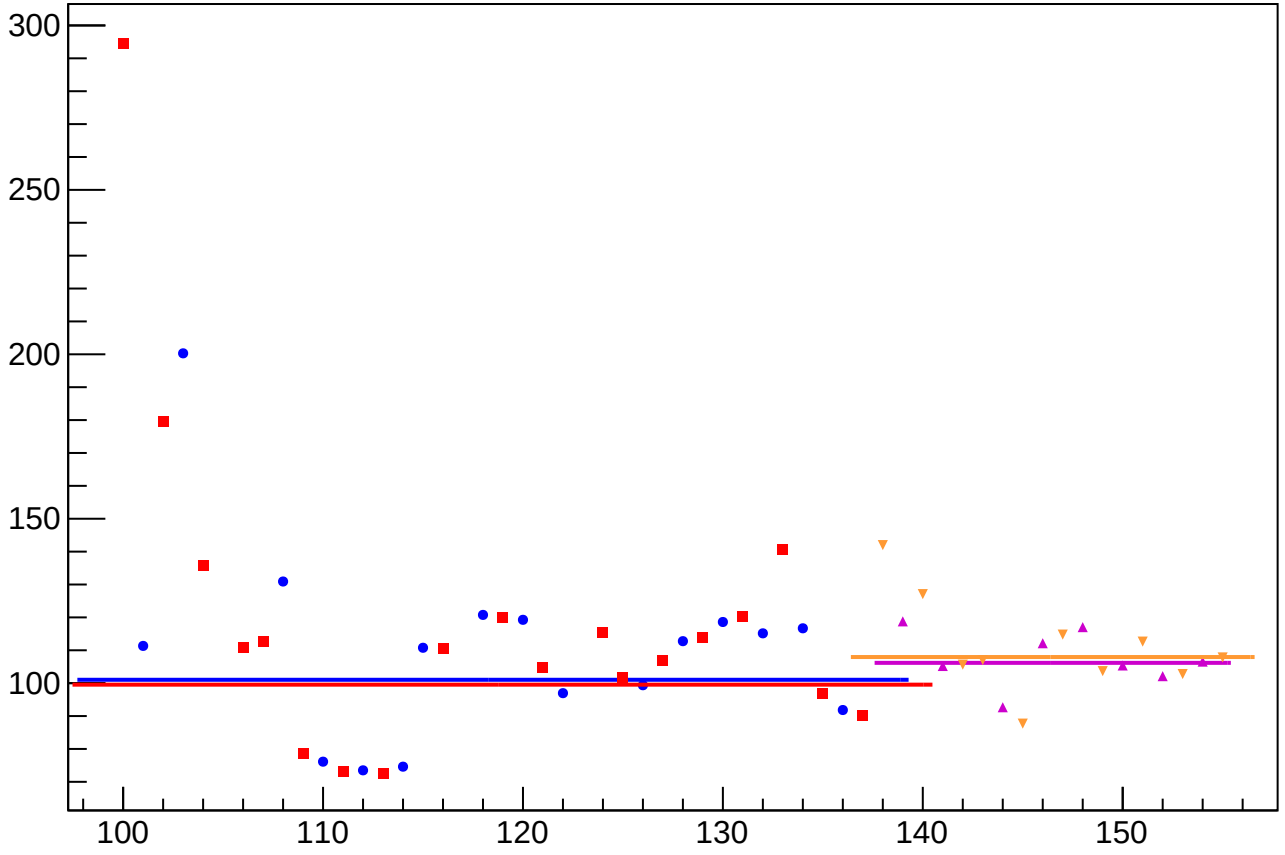
Left In: -104.812+/-40.670 χ^2/NDF:7.1/7

+ sign 25.153+/-27.644 χ^2/NDF: 23.2/25

All: -12.392+/-19.613 χ^2/NDF: 62.2/52

- sign -50.442+/-27.830 χ^2/NDF: 35.2/26

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.947+/-0.028 χ^2/NDF:221832.1/9

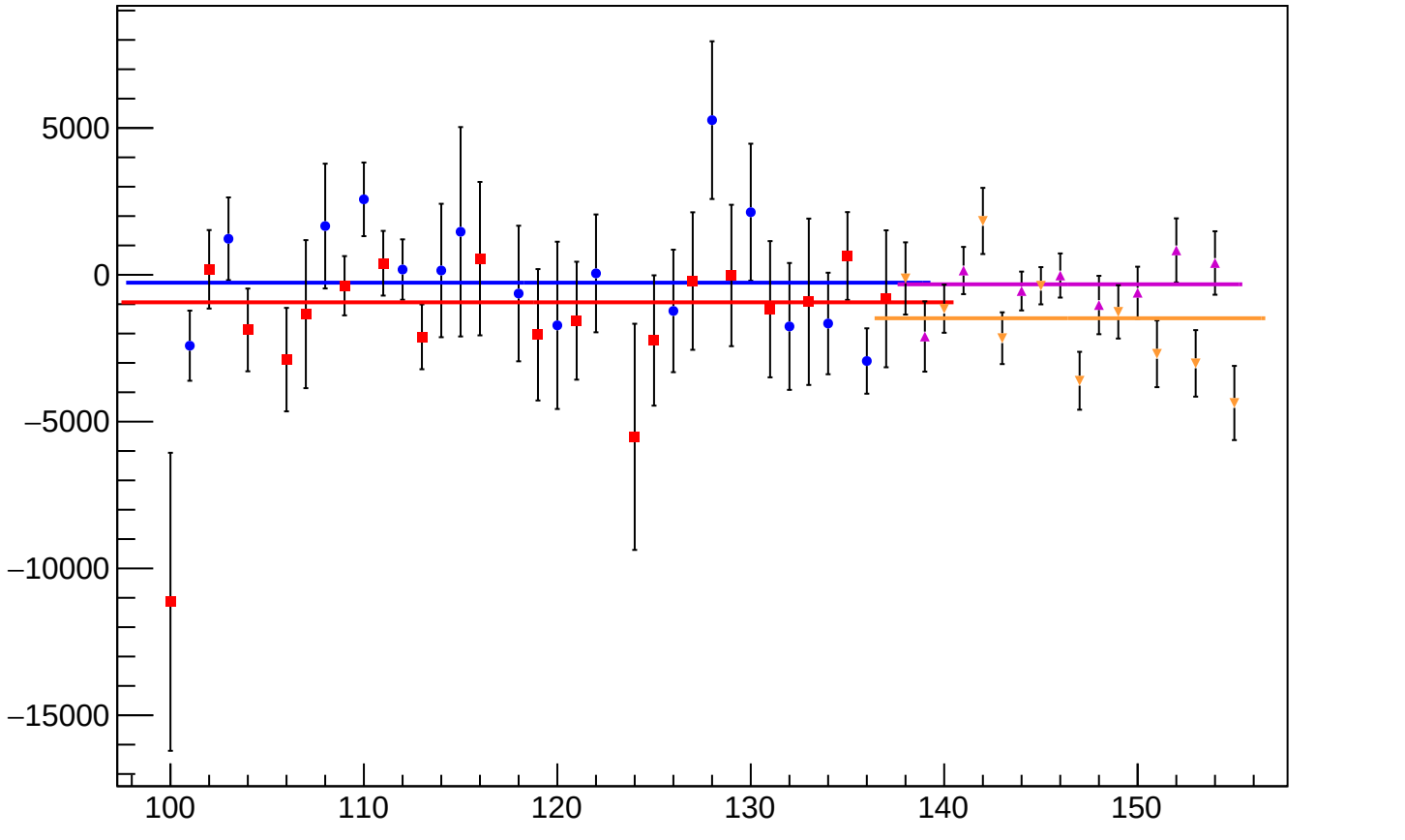
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.179+/-0.029 χ^2/NDF:77238.4/7

+ sign 104.471+/-0.020 χ^2/NDF: 969216.1/25

All: 103.568+/-0.014 χ^2/NDF: 1959525.8/52

- sign 102.652+/-0.020 χ^2/NDF: 986013.0/26



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1479.332+/-299.640 χ^2/NDF:26.6/9

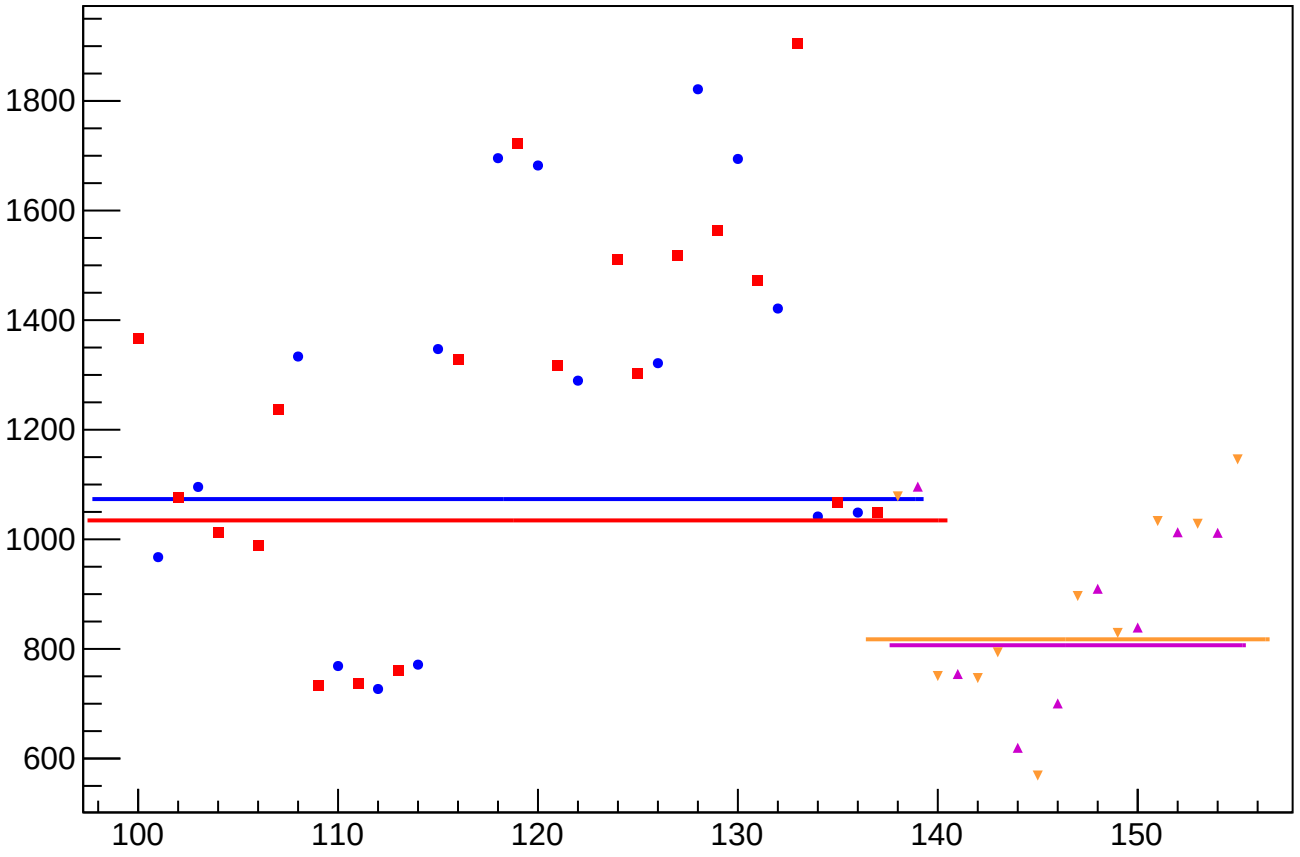
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -322.880+/-311.806 χ^2/NDF:5.0/7

+ sign -1066.898+/-243.346 χ^2/NDF: 55.6/25

All: -814.027+/-172.666 χ^2/NDF: 77.4/52

- sign -557.635+/-245.035 χ^2/NDF: 19.6/26



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 817.545+/-0.212 χ^2/NDF:710009.1/9

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

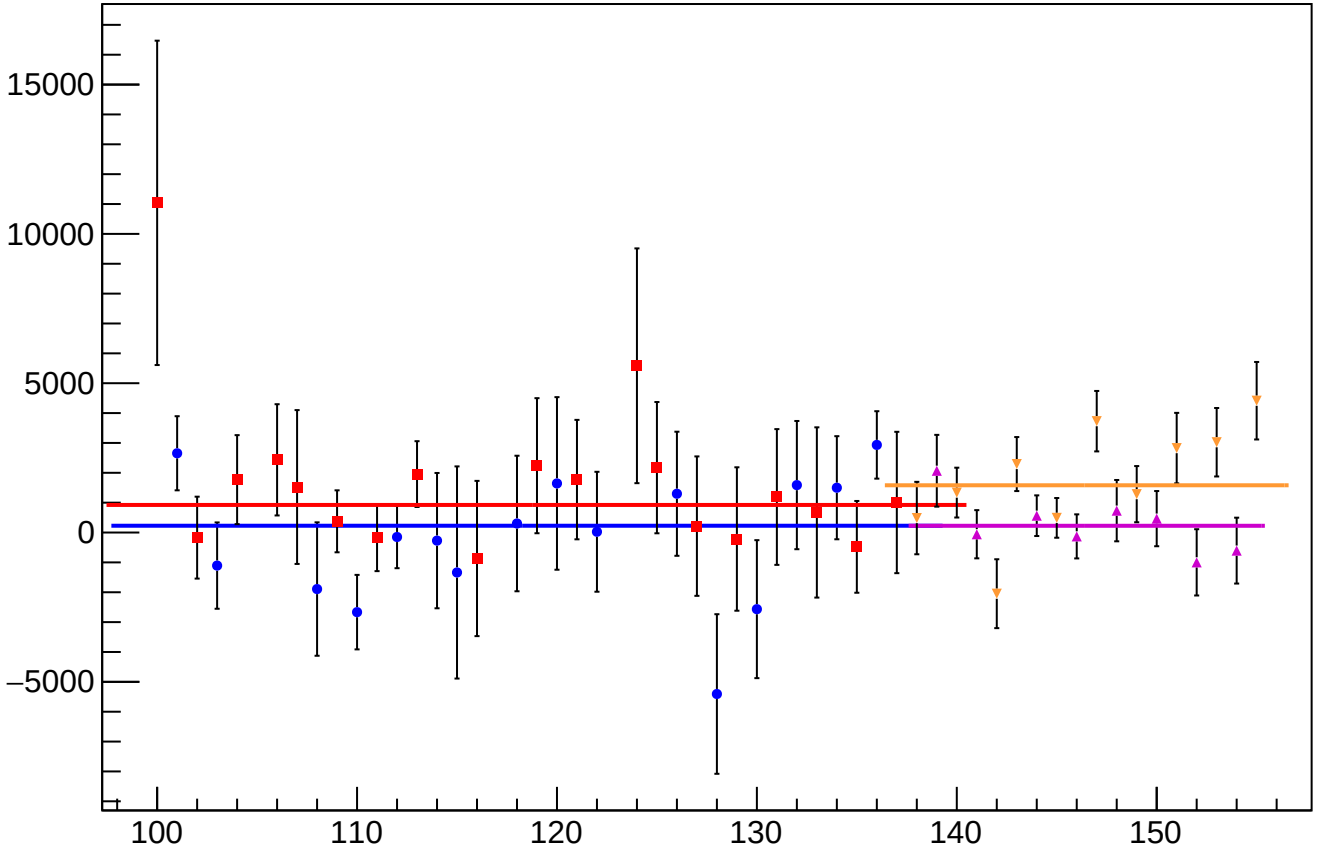
Left In: 806.723+/-0.220 χ^2/NDF:493525.7/7

+ sign 904.669+/-0.172 χ^2/NDF: 2283720.2/25

All: 899.294+/-0.122 χ^2/NDF: 4416840.5/52

- sign 893.844+/-0.173 χ^2/NDF: 2131155.4/26

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1582.288+/-308.134 χ^2/NDF:26.2/9

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

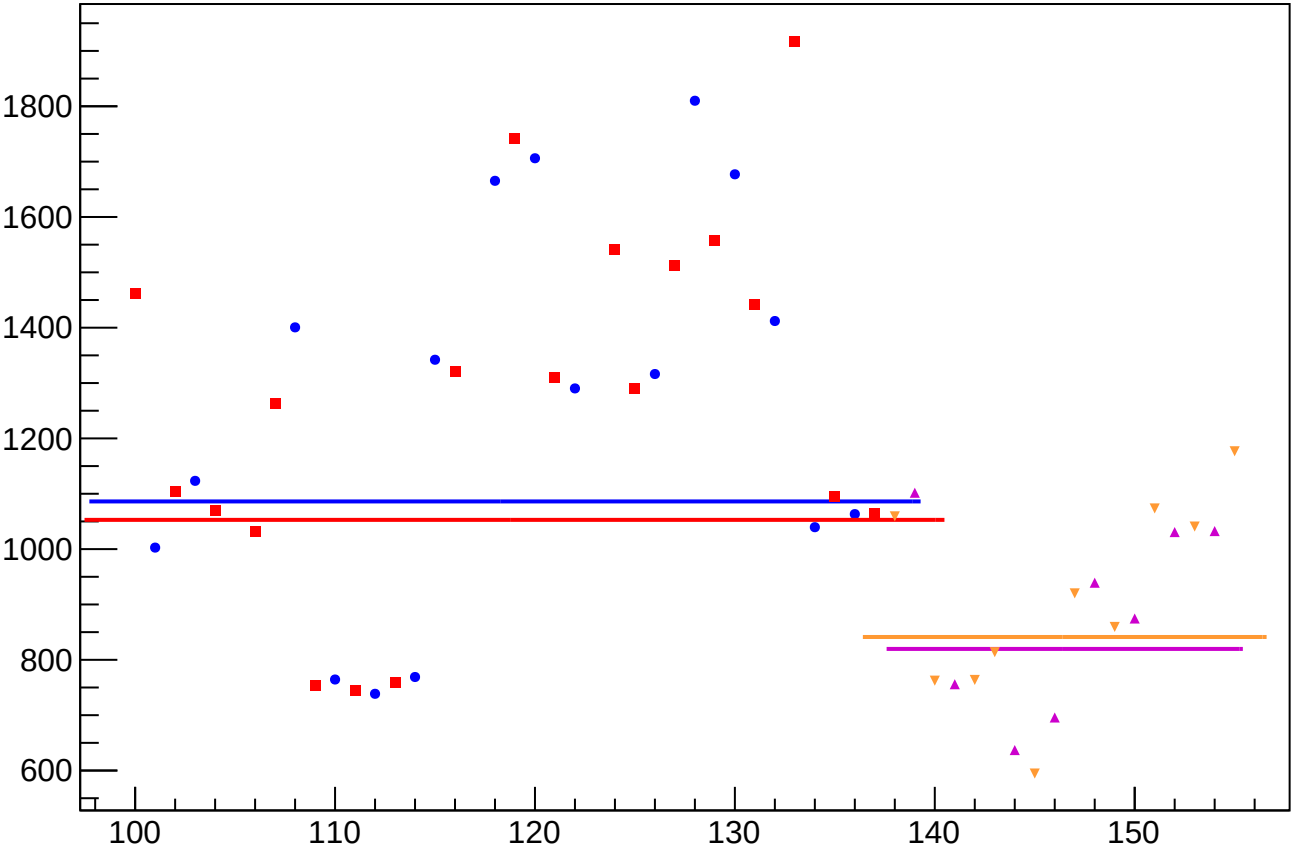
Left In: 225.921+/-316.610 χ^2/NDF:5.0/7

+ sign 1110.923+/-248.822 χ^2/NDF: 57.4/25

All: 801.735+/-176.003 χ^2/NDF: 78.5/52

- sign 492.128+/-248.990 χ^2/NDF: 18.1/26

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 841.254+/-0.218 χ^2/NDF:653166.8/9

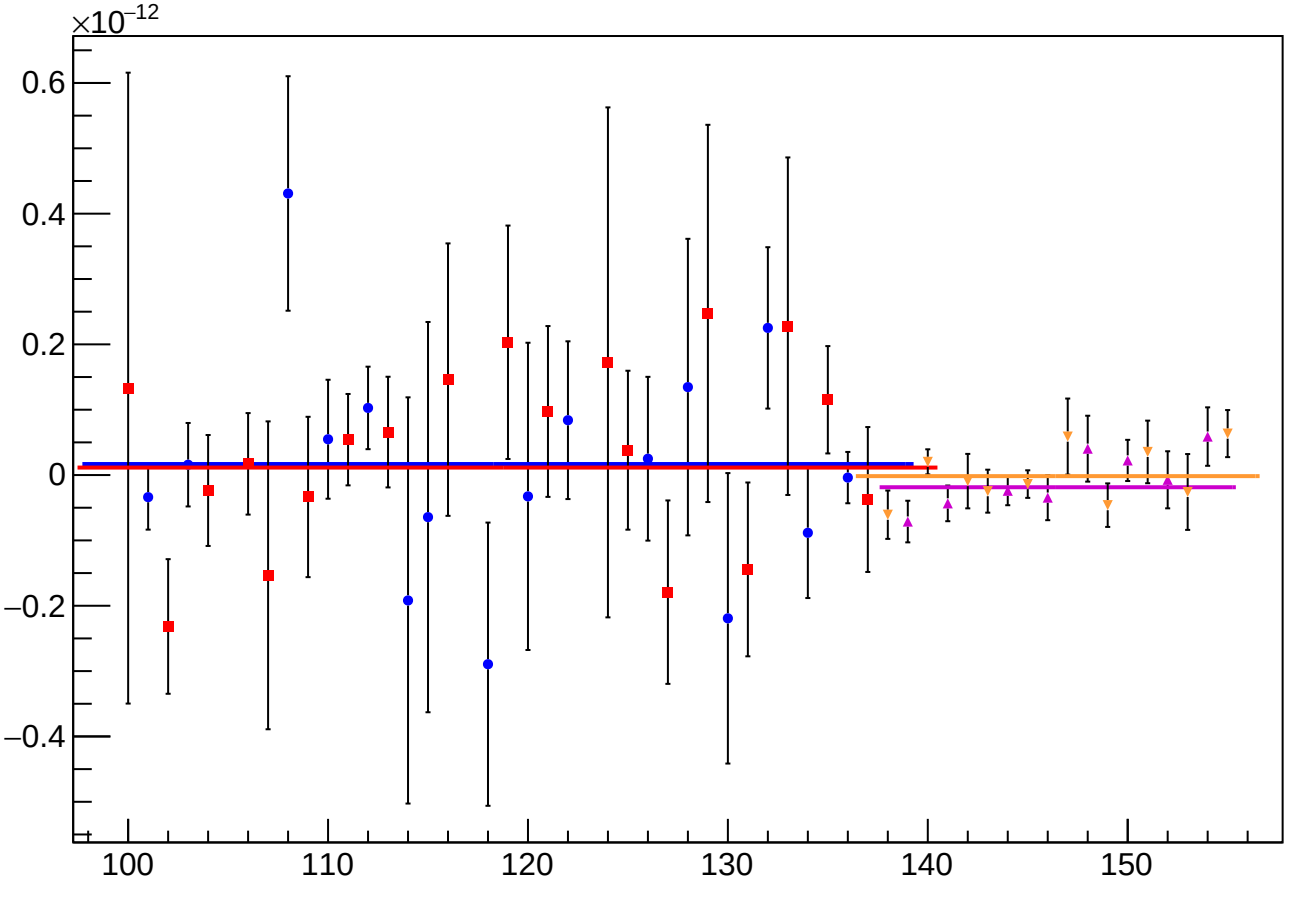
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 819.695+/-0.224 χ^2/NDF:504285.3/7

+ sign 926.455+/-0.176 χ^2/NDF: 2140143.0/25

All: 917.556+/-0.124 χ^2/NDF: 4257716.1/52

- sign 908.644+/-0.176 χ^2/NDF: 2112452.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/9

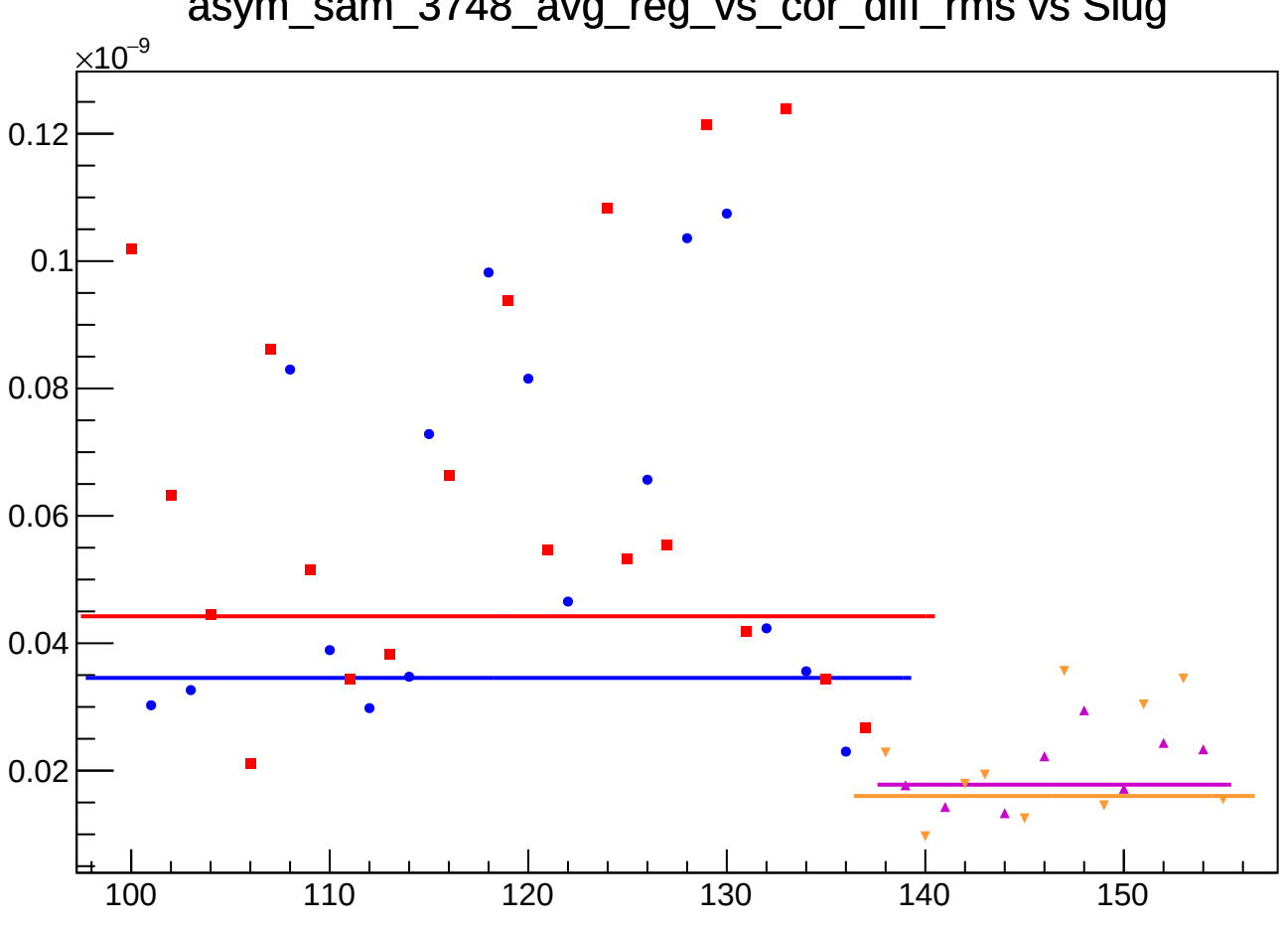
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/25

All: -0.000+/-0.000 χ^2/NDF: 57.2/52

- sign -0.000+/-0.000 χ^2/NDF: 26.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:979795.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

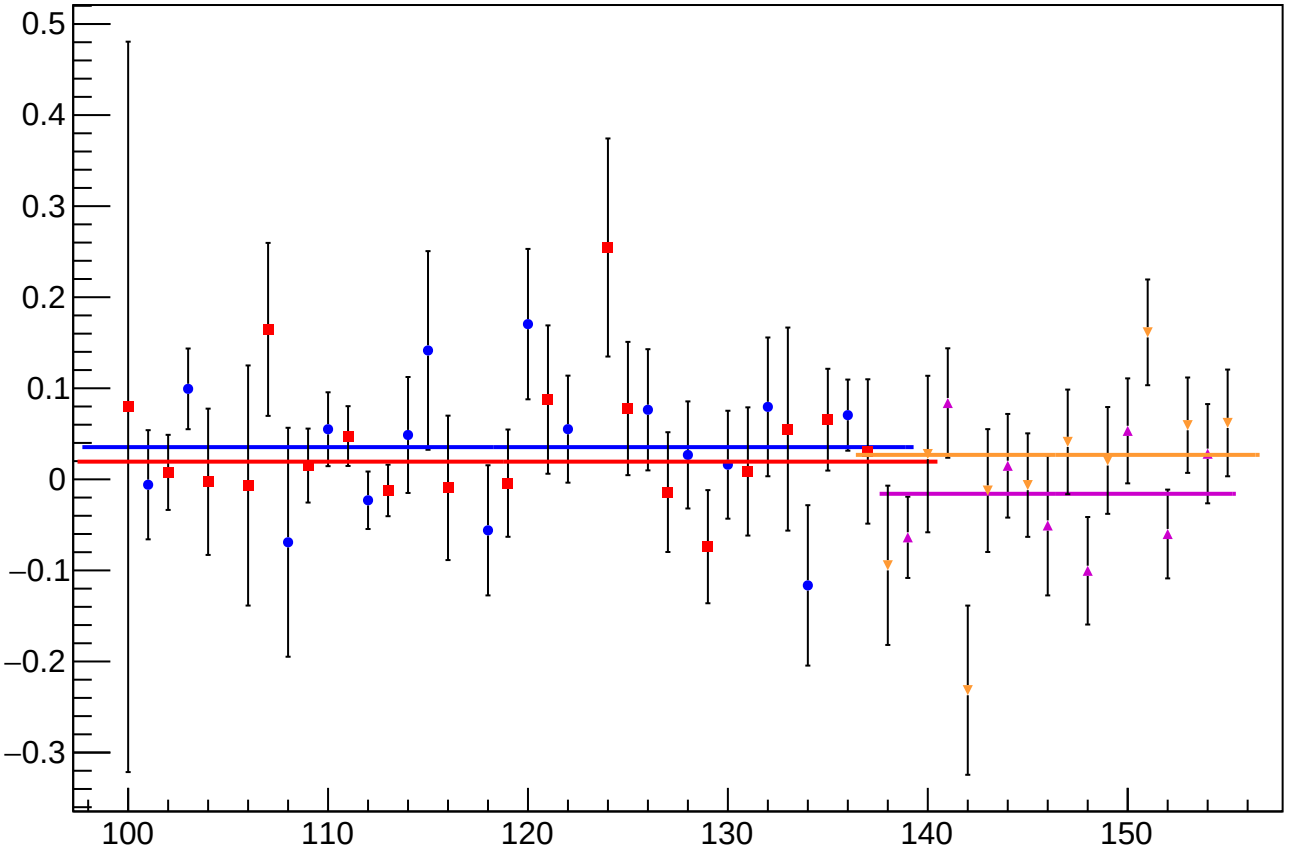
Left In: 0.000+/-0.000 χ^2/NDF:331718.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 3359859.7/25

All: 0.000+/-0.000 χ^2/NDF: 6469929.7/52

- sign 0.000+/-0.000 χ^2/NDF: 3041141.3/26

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.027+/-0.020 χ^2/NDF:16.5/9

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

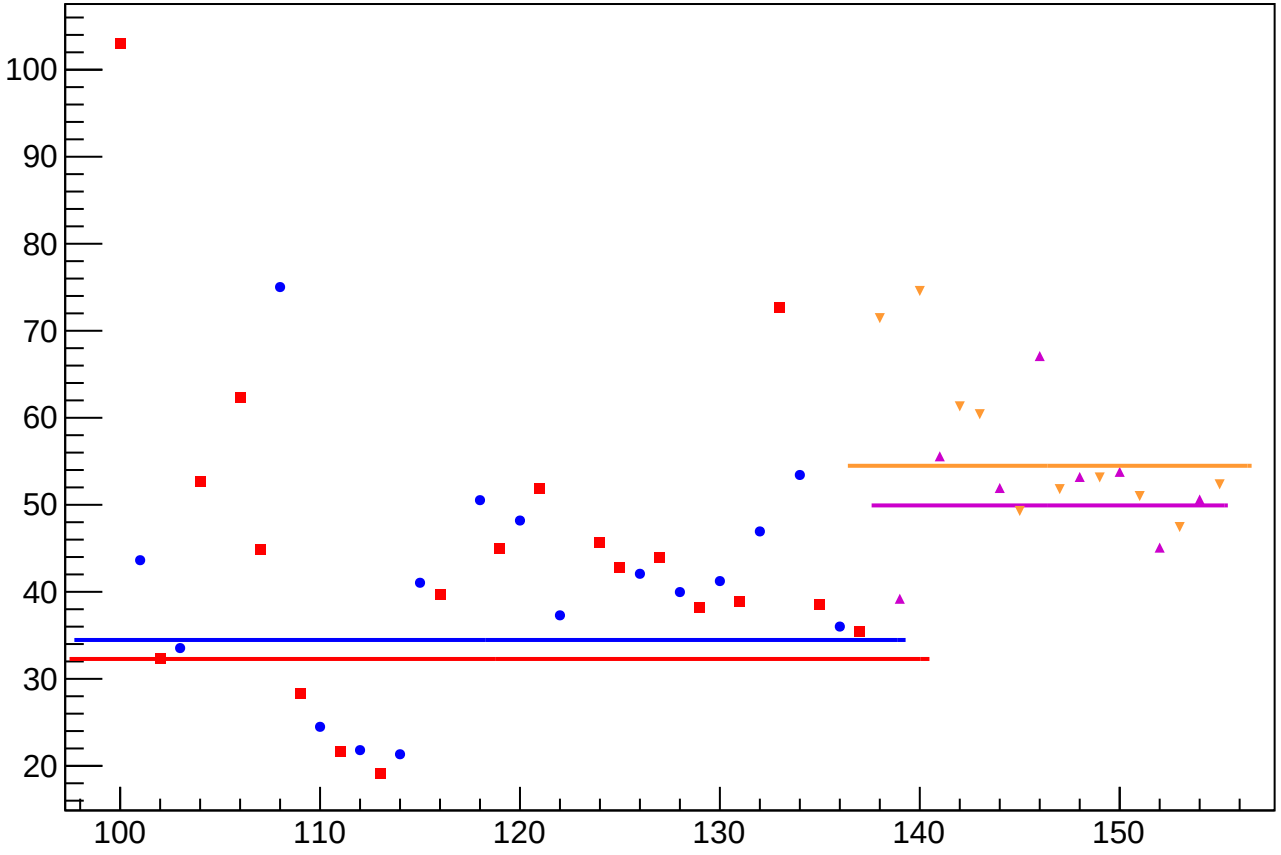
Left In: -0.016+/-0.020 χ^2/NDF:9.4/7

+ sign 0.033+/-0.011 χ^2/NDF: 33.6/25

All: 0.020+/-0.008 χ^2/NDF: 60.9/52

- sign 0.009+/-0.011 χ^2/NDF: 25.0/26

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 54.485+/-0.014 χ^2/NDF:278867.6/9

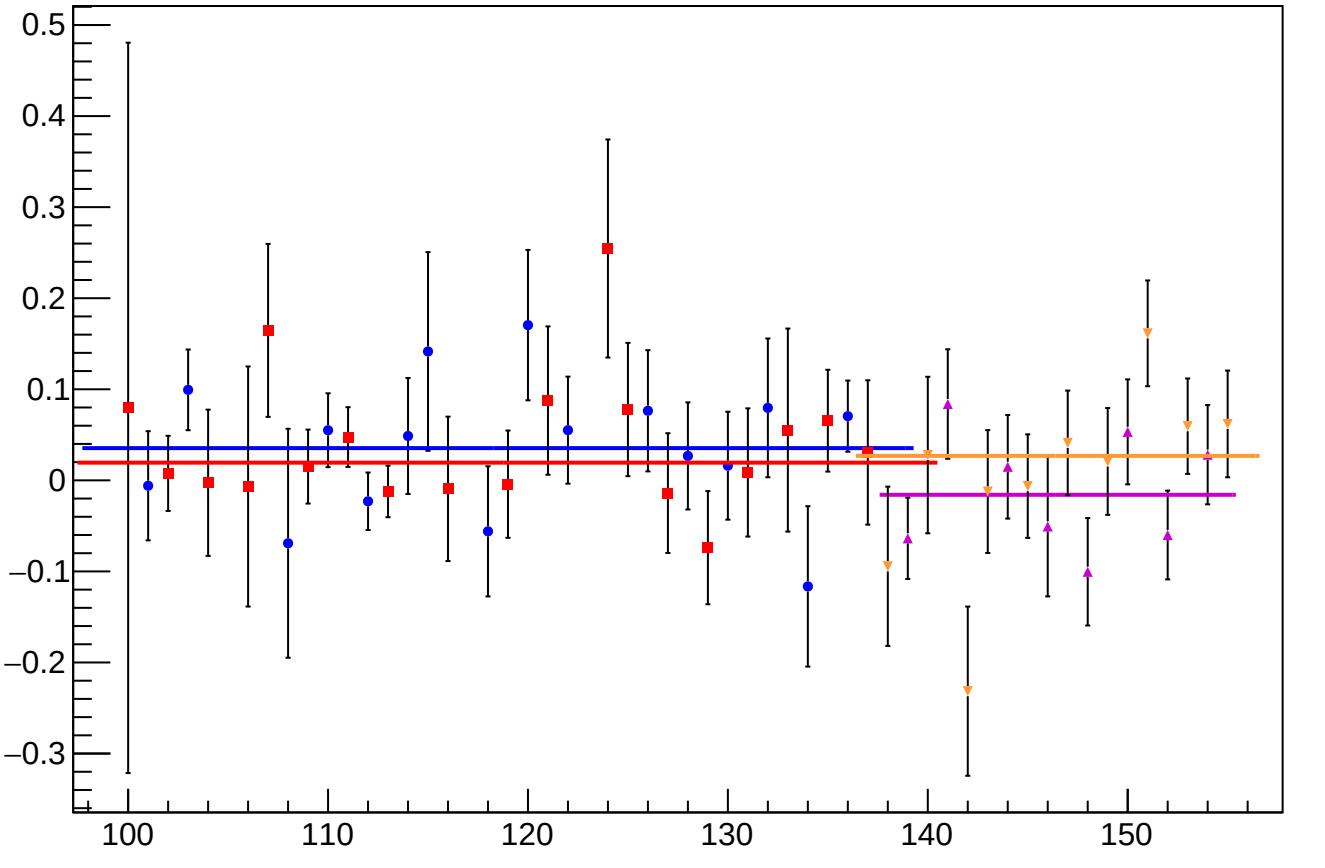
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.930+/-0.014 χ^2/NDF:270677.5/7

+ sign 40.907+/-0.008 χ^2/NDF: 2786040.1/25

All: 39.251+/-0.006 χ^2/NDF: 5928500.6/52

- sign 37.746+/-0.008 χ^2/NDF: 3062448.6/26



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.027+/-0.020 χ^2/NDF:16.5/9

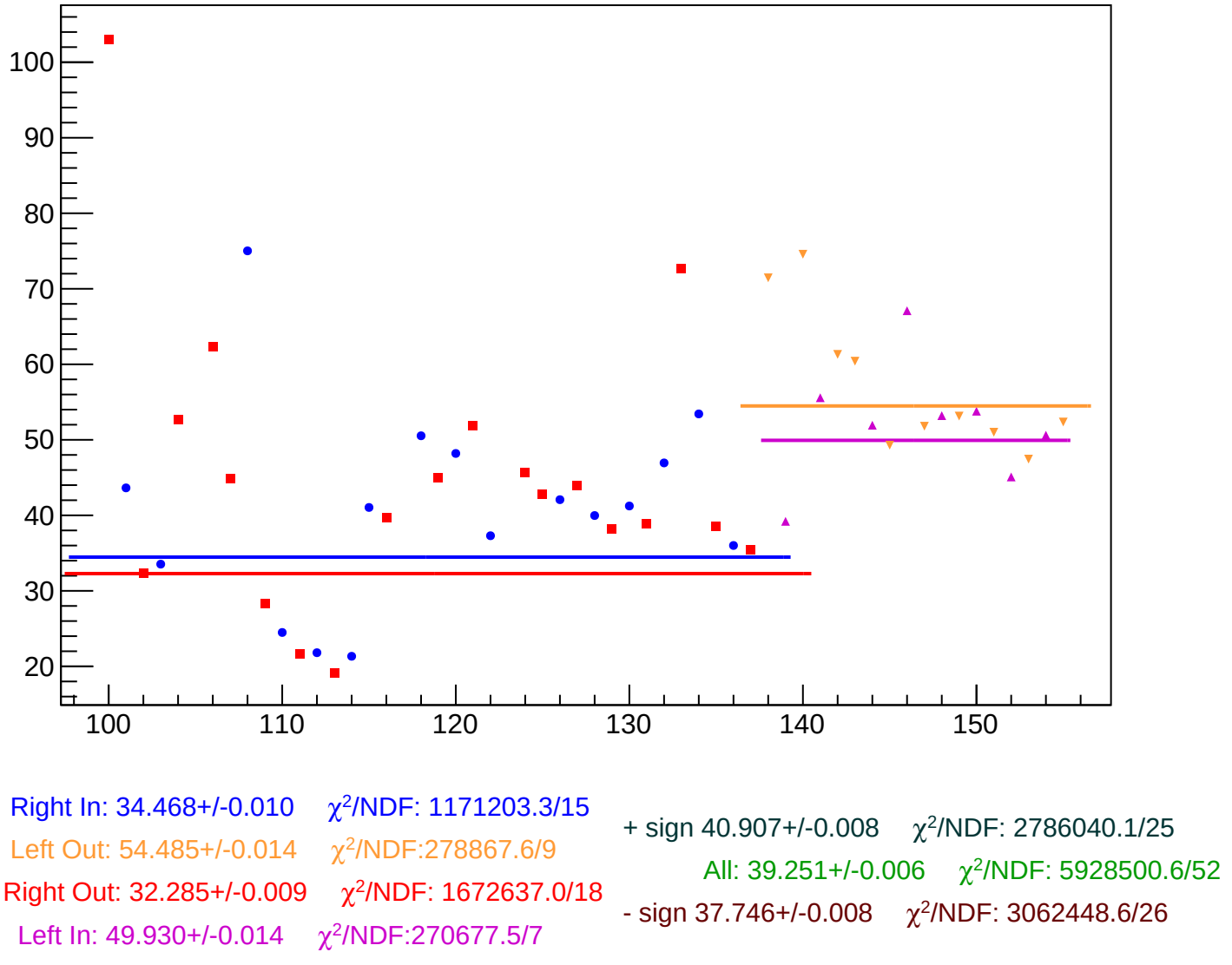
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.016+/-0.020 χ^2/NDF:9.4/7

+ sign 0.033+/-0.011 χ^2/NDF: 33.6/25

All: 0.020+/-0.008 χ^2/NDF: 60.9/52

- sign 0.009+/-0.011 χ^2/NDF: 25.0/26


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug
100
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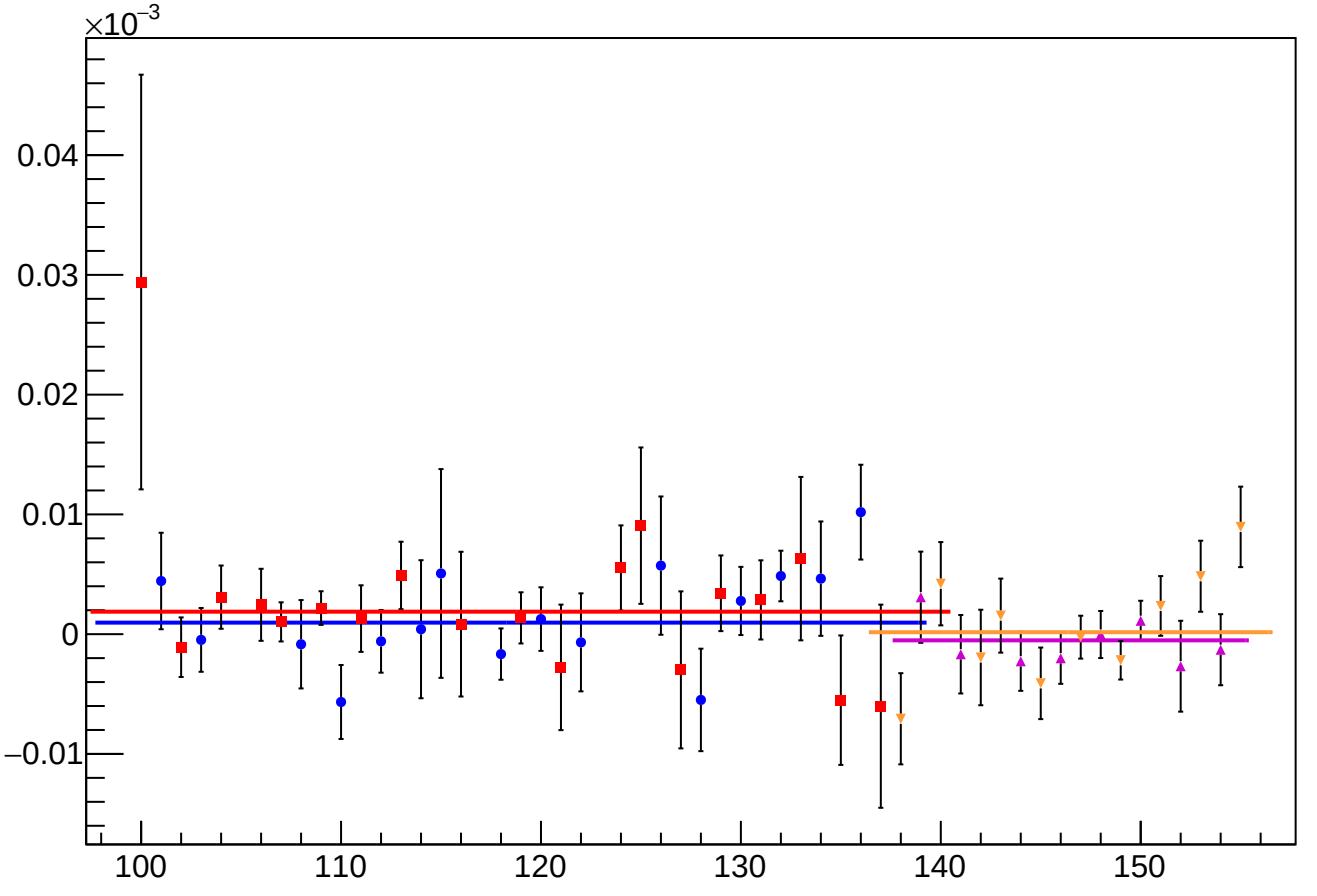
150
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 54.485+/-0.014 χ²/NDF:278867.6/9
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 49.930+/-0.014 χ²/NDF:270677.5/7
+ sign 40.907+/-0.008 χ²/NDF: 2786040.1/25
All: 39.251+/-0.006 χ²/NDF: 5928500.6/52
- sign 37.746+/-0.008 χ²/NDF: 3062448.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/9

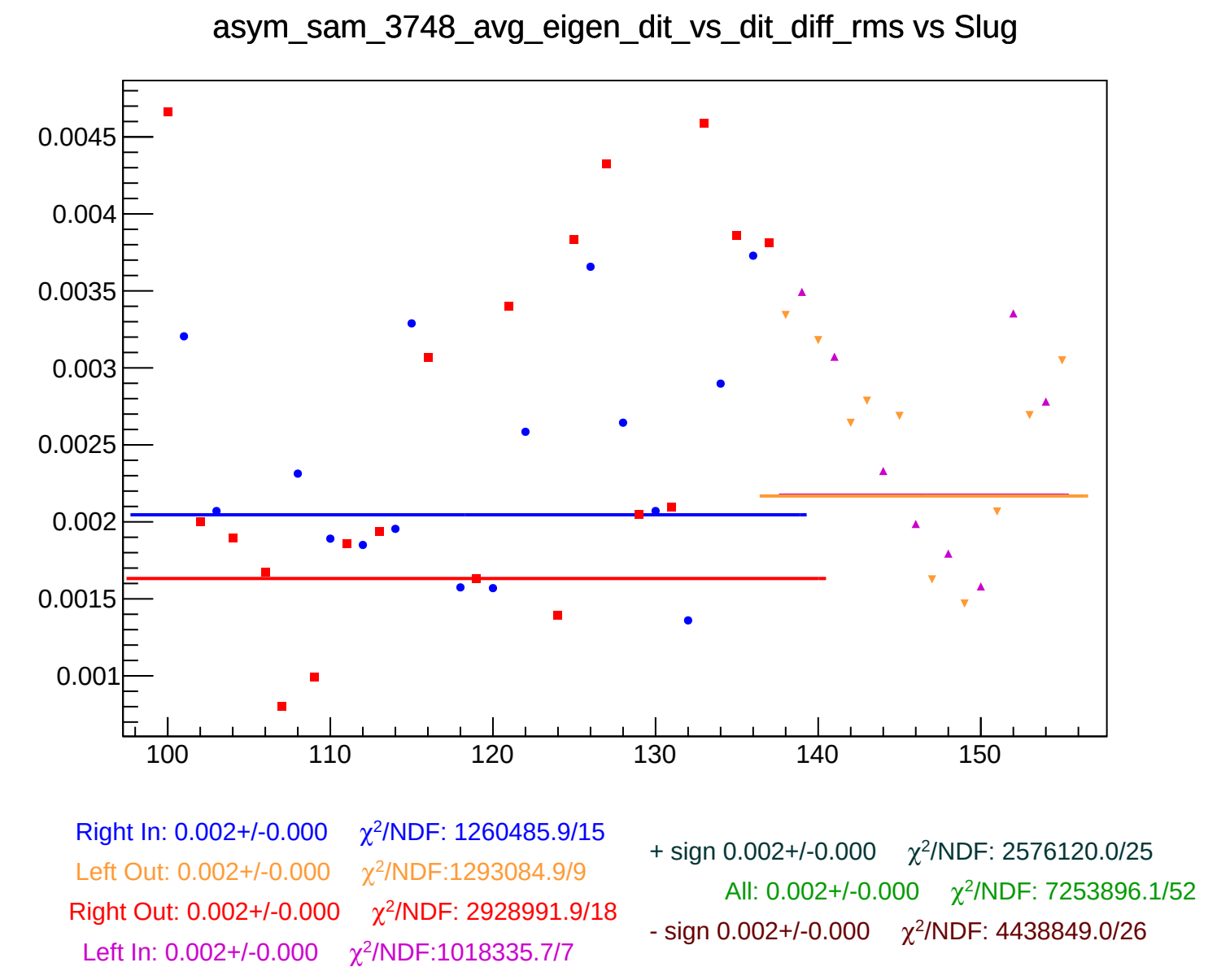
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/25

All: 0.000+/-0.000 χ^2/NDF: 62.6/52

- sign 0.000+/-0.000 χ^2/NDF: 21.1/26


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
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130
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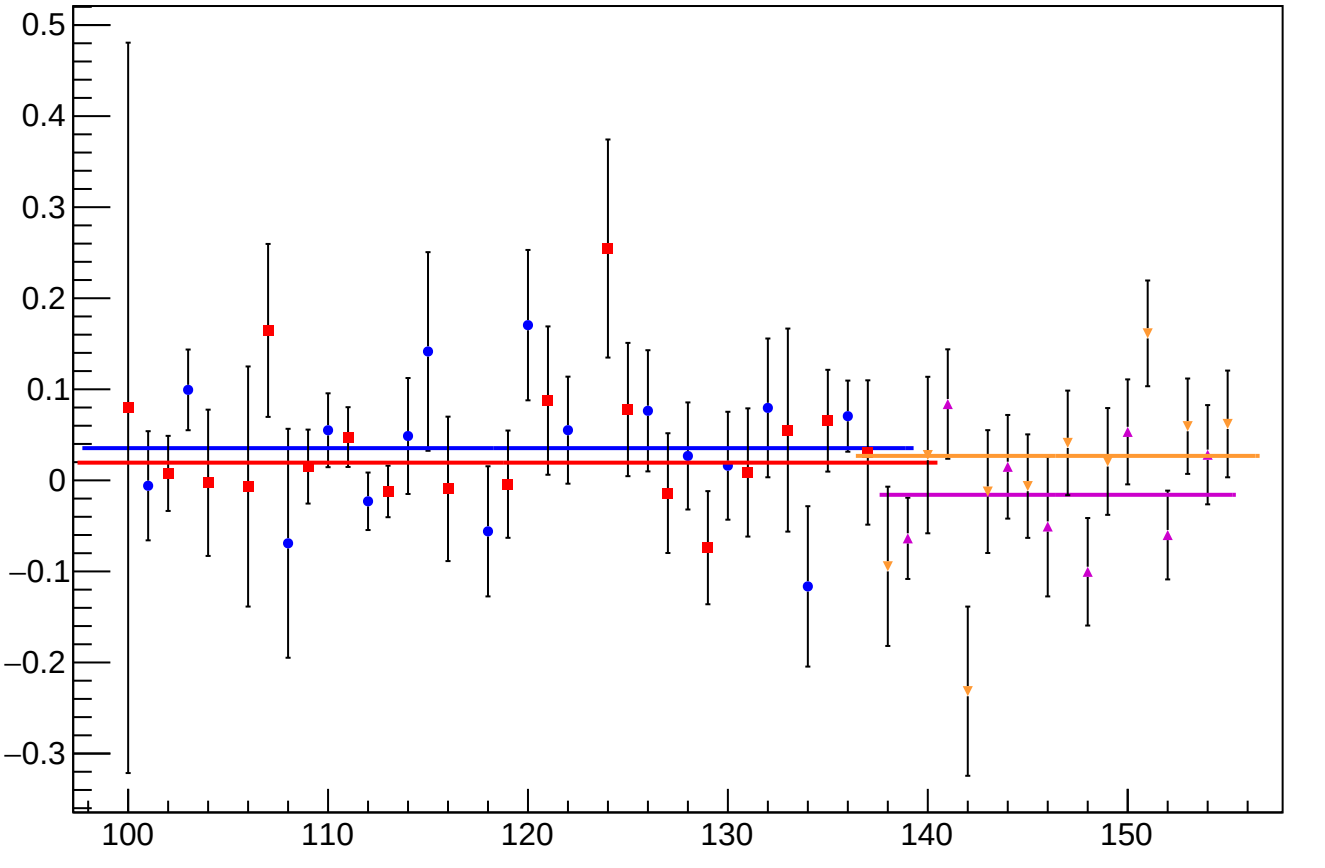
150
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1293084.9/9
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1018335.7/7
+ sign 0.002+/-0.000 χ²/NDF: 2576120.0/25
All: 0.002+/-0.000 χ²/NDF: 7253896.1/52
- sign 0.002+/-0.000 χ²/NDF: 4438849.0/26



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.027+/-0.020 χ^2/NDF:16.5/9

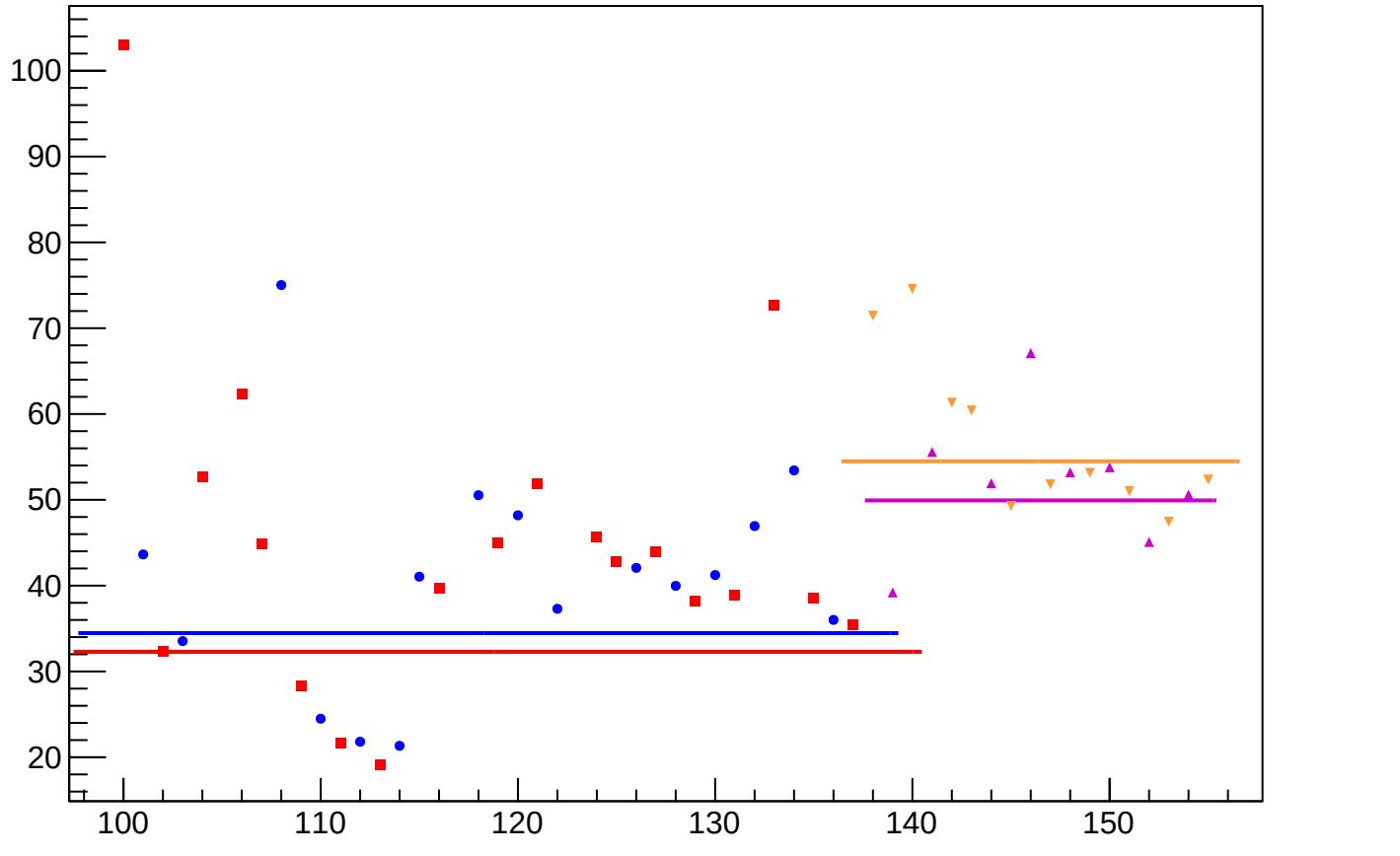
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.016+/-0.020 χ^2/NDF:9.4/7

+ sign 0.033+/-0.011 χ^2/NDF: 33.6/25

All: 0.020+/-0.008 χ^2/NDF: 60.9/52

- sign 0.009+/-0.011 χ^2/NDF: 25.0/26



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 54.486+/-0.014 χ^2/NDF:278845.2/9

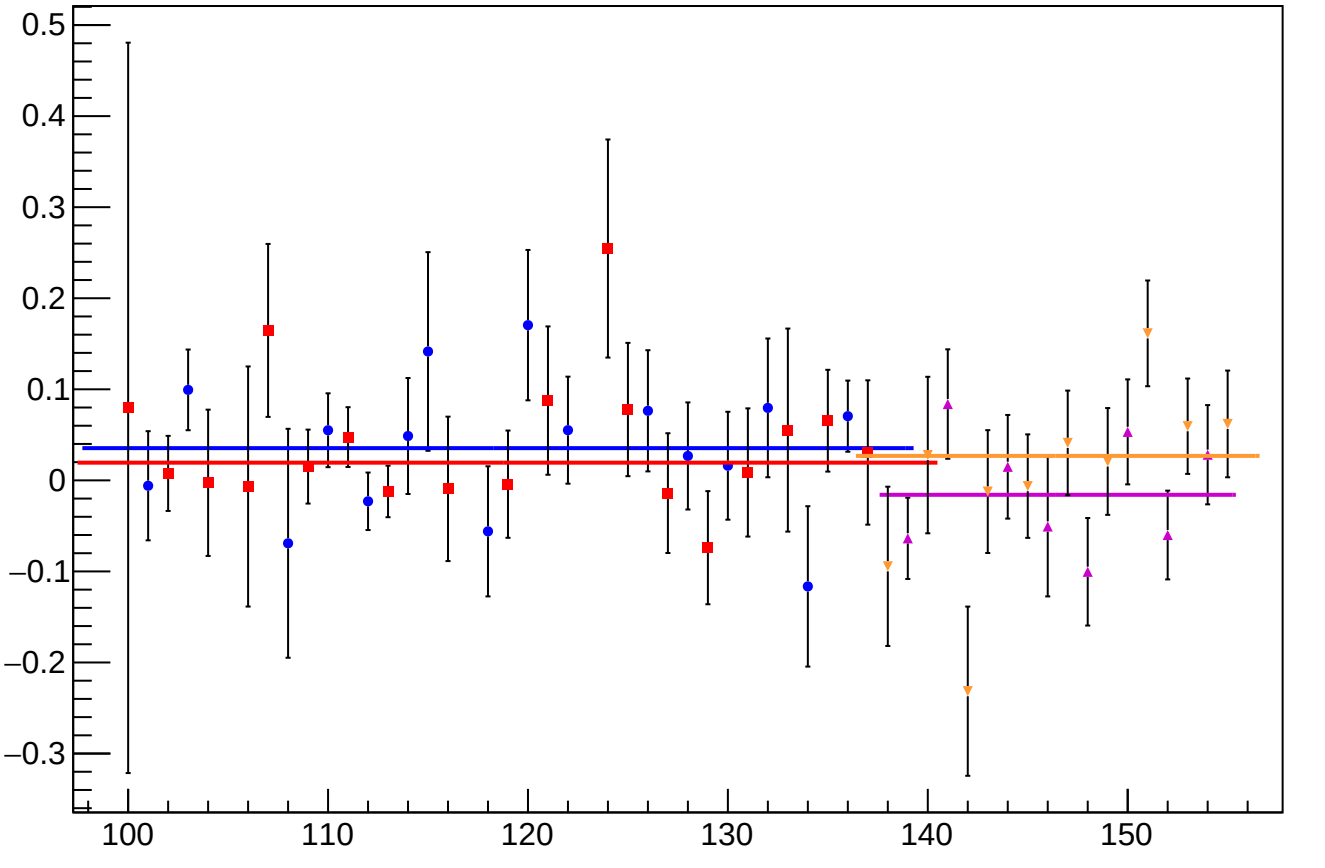
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.931+/-0.014 χ^2/NDF:270687.6/7

+ sign 40.908+/-0.008 χ^2/NDF: 2786024.4/25

All: 39.251+/-0.006 χ^2/NDF: 5928478.2/52

- sign 37.747+/-0.008 χ^2/NDF: 3062441.6/26



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.027+/-0.020 χ^2/NDF:16.5/9

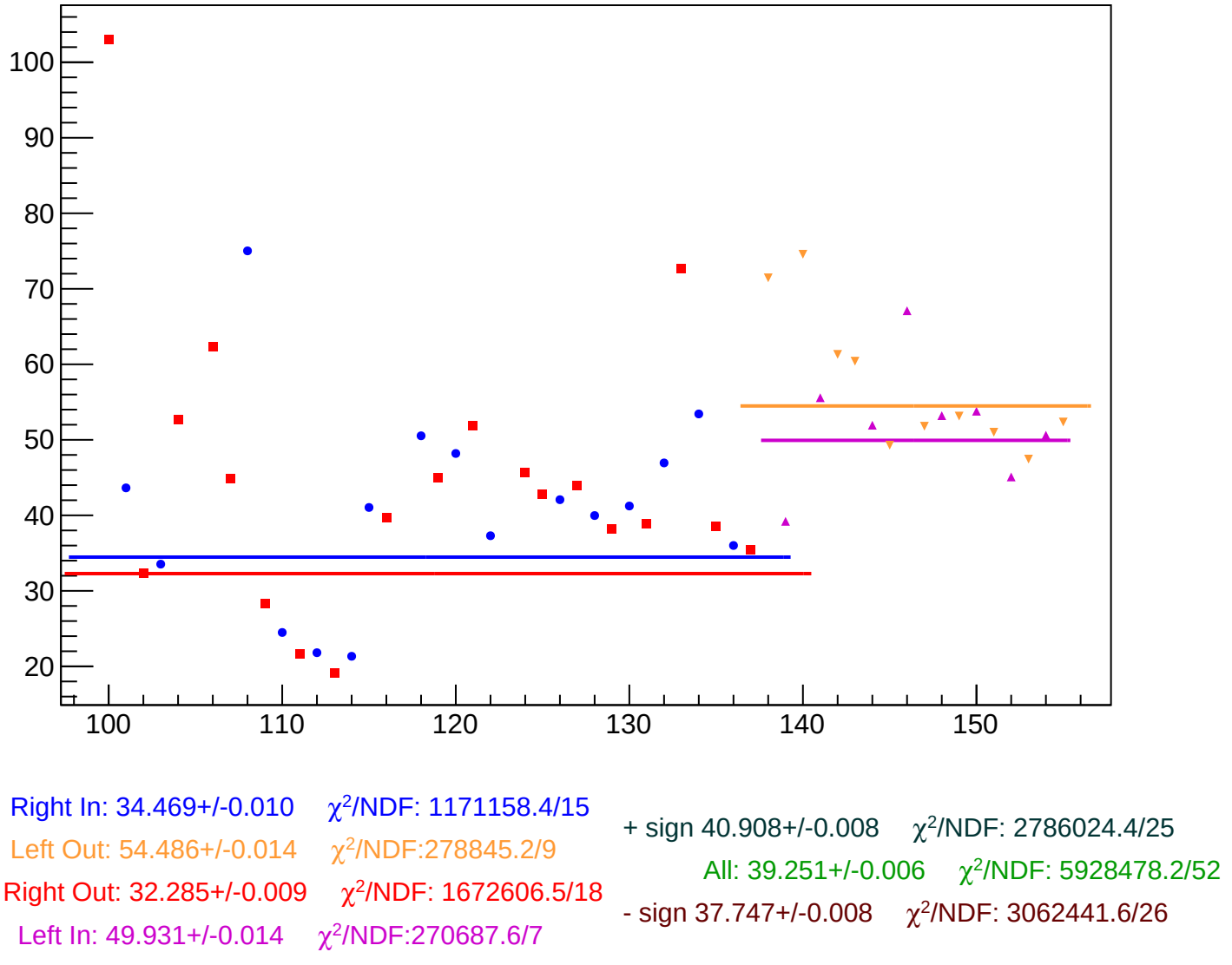
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.016+/-0.020 χ^2/NDF:9.4/7

+ sign 0.033+/-0.011 χ^2/NDF: 33.6/25

All: 0.020+/-0.008 χ^2/NDF: 60.9/52

- sign 0.009+/-0.011 χ^2/NDF: 25.0/26


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
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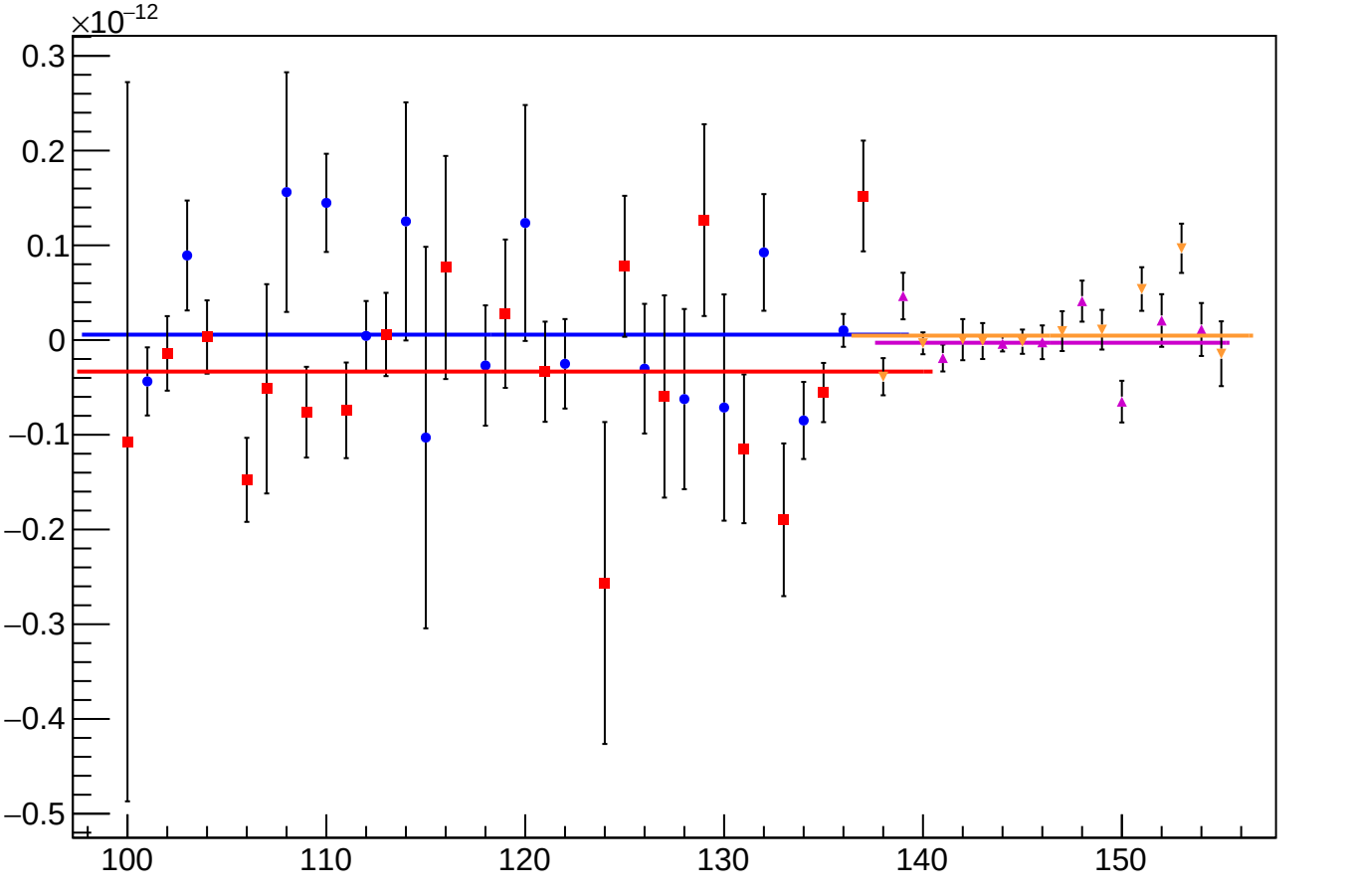
130
140
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 54.486+/-0.014 χ²/NDF:278845.2/9
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 49.931+/-0.014 χ²/NDF:270687.6/7
+ sign 40.908+/-0.008 χ²/NDF: 2786024.4/25
All: 39.251+/-0.006 χ²/NDF: 5928478.2/52
- sign 37.747+/-0.008 χ²/NDF: 3062441.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.3/9

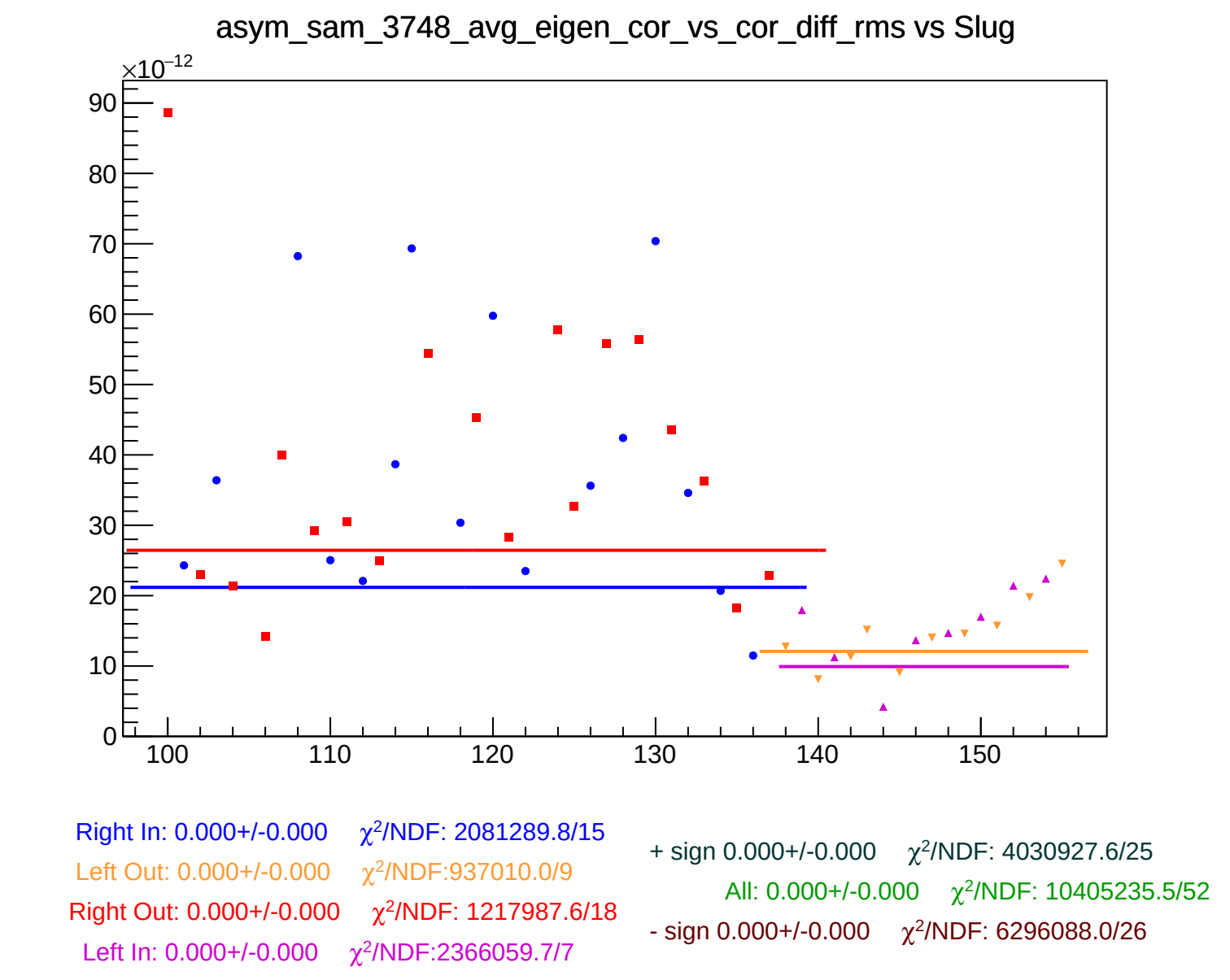
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/7

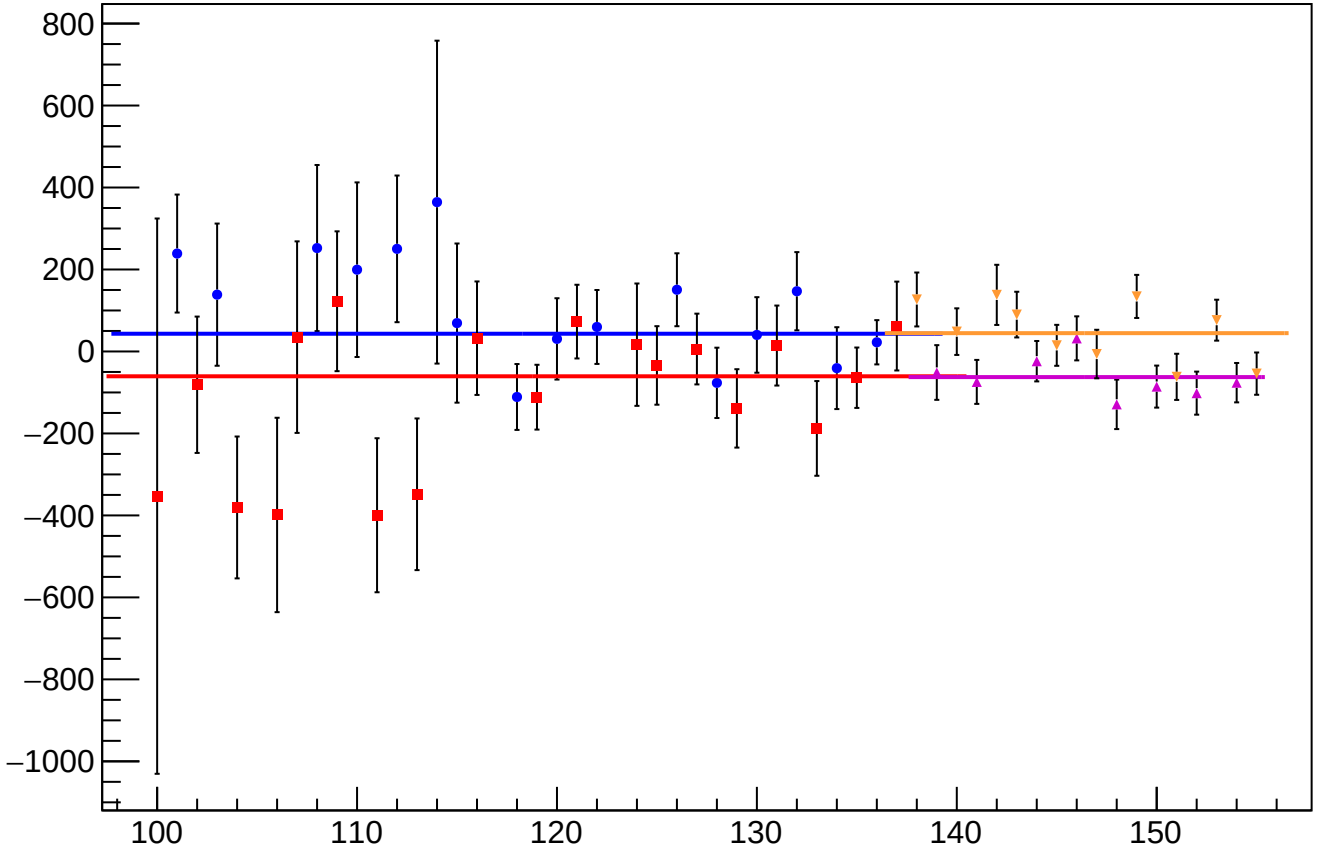
+ sign 0.000+/-0.000 χ^2/NDF: 46.9/25

All: -0.000+/-0.000 χ^2/NDF: 106.3/52

- sign -0.000+/-0.000 χ^2/NDF: 56.5/26


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:937010.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:2366059.7/7
+ sign 0.000+/-0.000 χ²/NDF: 4030927.6/25
All: 0.000+/-0.000 χ²/NDF: 10405235.5/52
- sign 0.000+/-0.000 χ²/NDF: 6296088.0/26

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 44.671+/-17.710 χ^2/NDF:15.5/9

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

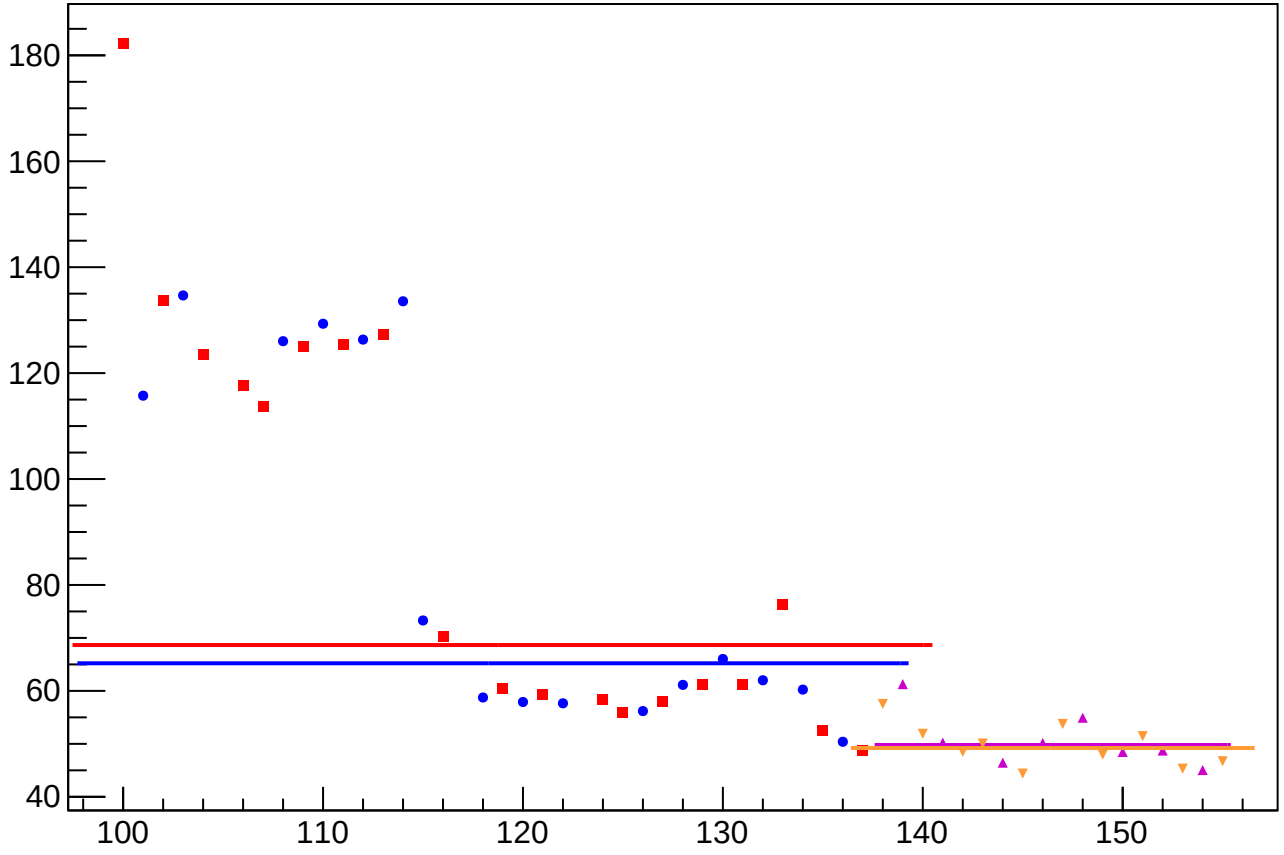
Left In: -62.520+/-18.964 χ^2/NDF:5.8/7

+ sign 44.215+/-14.598 χ^2/NDF: 30.5/25

All: -5.657+/-10.626 χ^2/NDF: 81.5/52

- sign -61.876+/-15.499 χ^2/NDF: 26.3/26

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 49.214+/-0.013 χ^2/NDF:88689.6/9

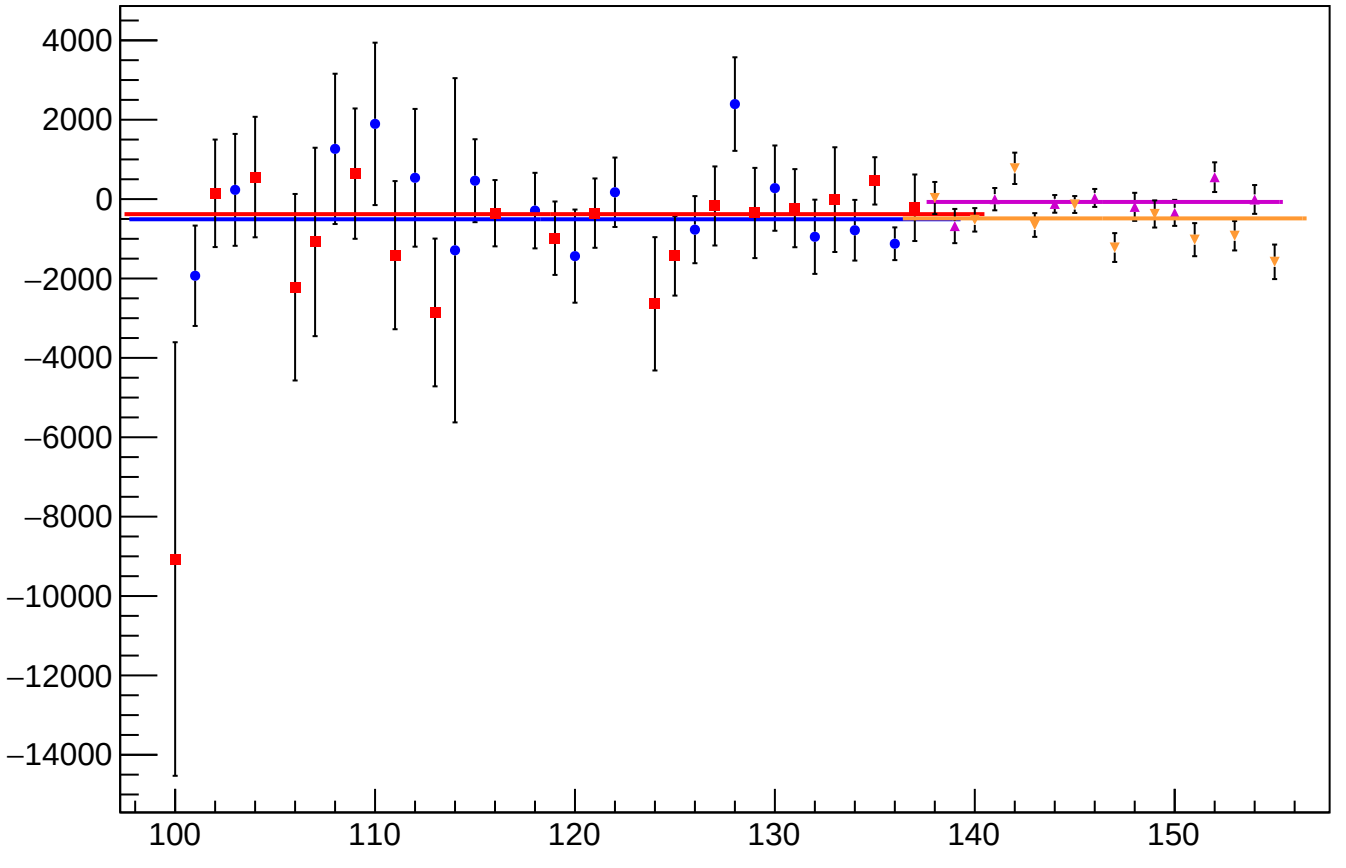
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 49.782+/-0.013 χ^2/NDF:104827.9/7

+ sign 54.343+/-0.010 χ^2/NDF: 2058470.8/25

All: 55.146+/-0.008 χ^2/NDF: 4474952.5/52

- sign 56.050+/-0.011 χ^2/NDF: 2403623.1/26



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -485.945+/-104.454 χ^2/NDF:28.4/9

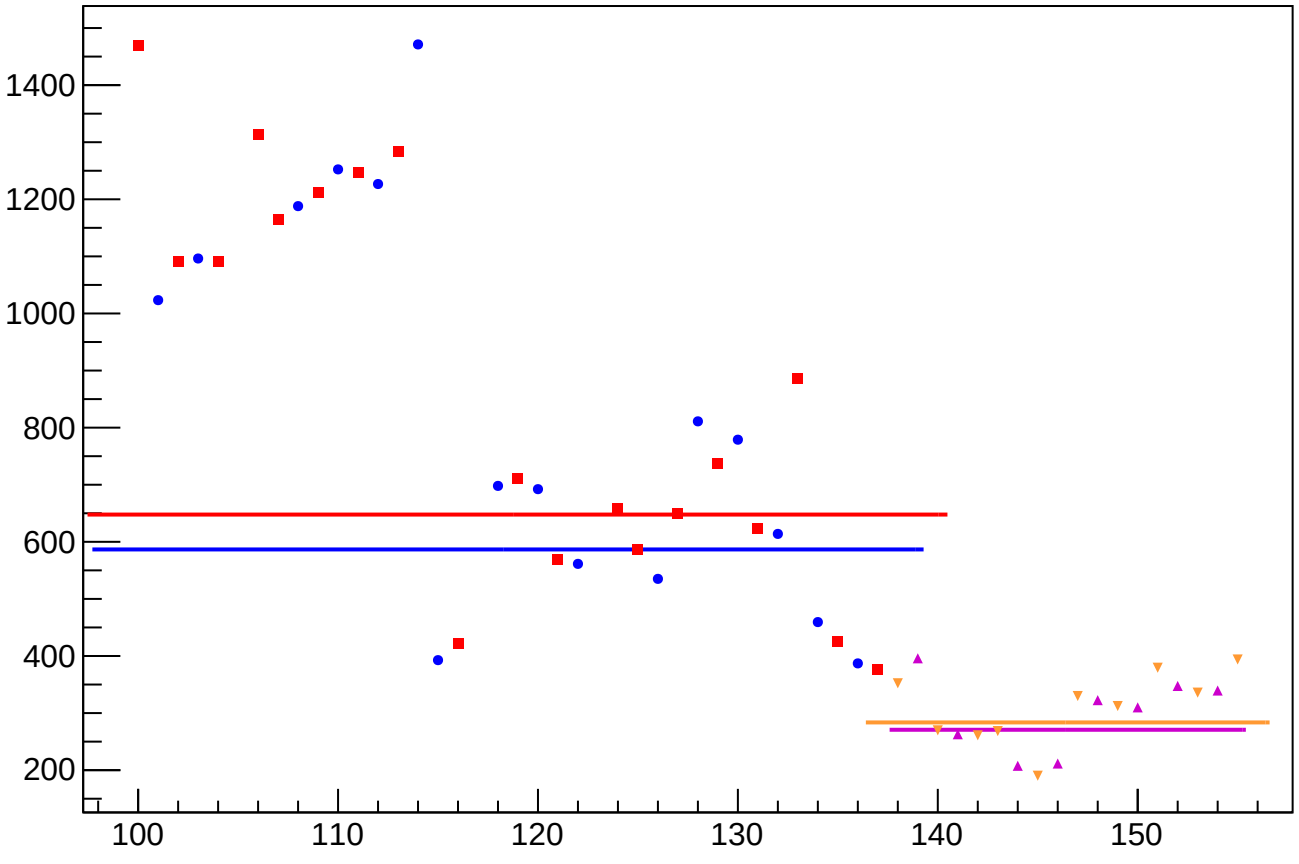
Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: -71.507+/-105.553 χ^2/NDF:5.9/7

+ sign -489.522+/-95.579 χ^2/NDF: 44.0/25

All: -306.704+/-68.290 χ^2/NDF: 70.4/52

- sign -116.050+/-97.606 χ^2/NDF: 18.9/26



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 283.626+/-0.074 χ^2/NDF:778289.7/9

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

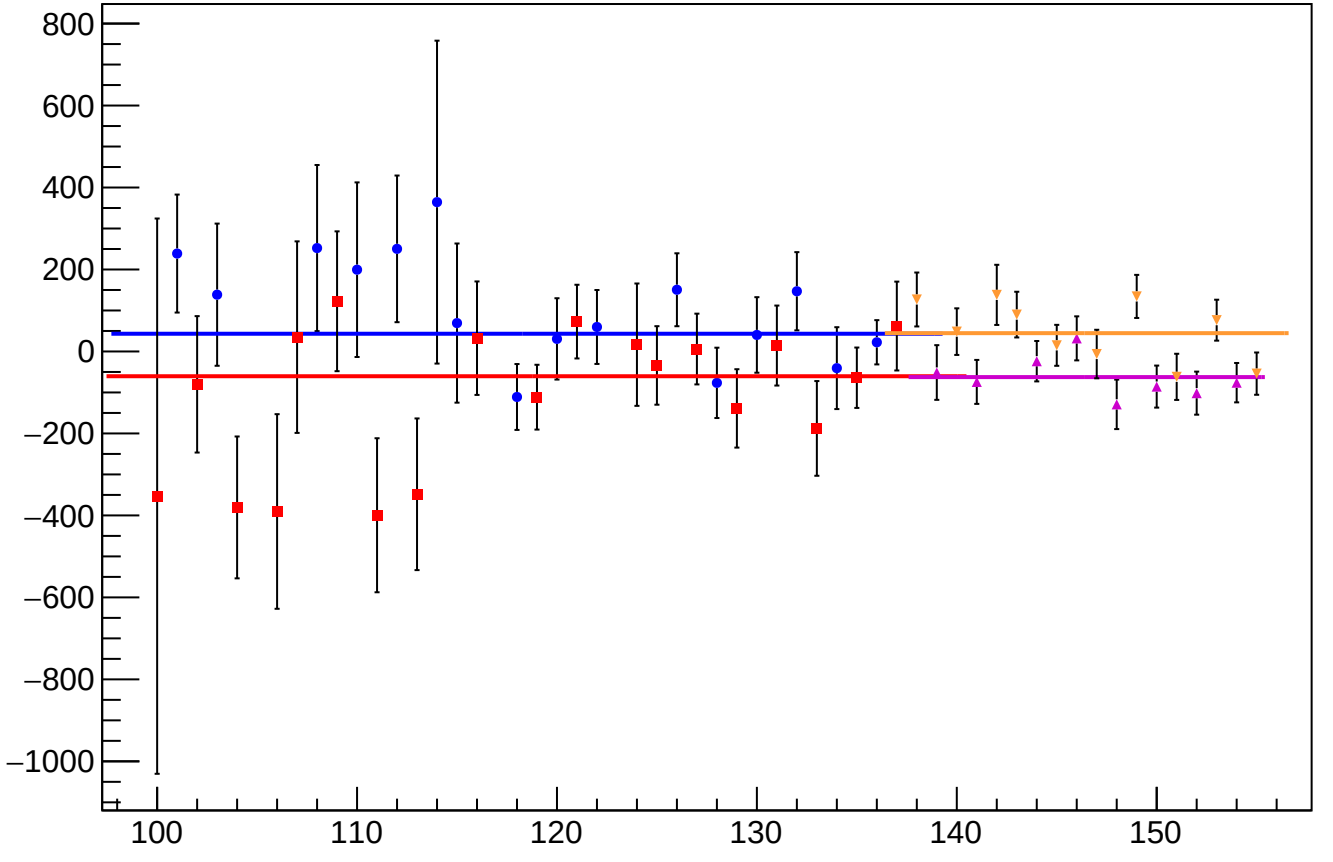
Left In: 270.761+/-0.075 χ^2/NDF:694985.0/7

+ sign 332.932+/-0.068 χ^2/NDF: 5570156.0/25

All: 329.239+/-0.048 χ^2/NDF: 12073527.0/52

- sign 325.388+/-0.069 χ^2/NDF: 6497271.6/26

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 44.675+/-17.710 χ^2/NDF:15.5/9

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

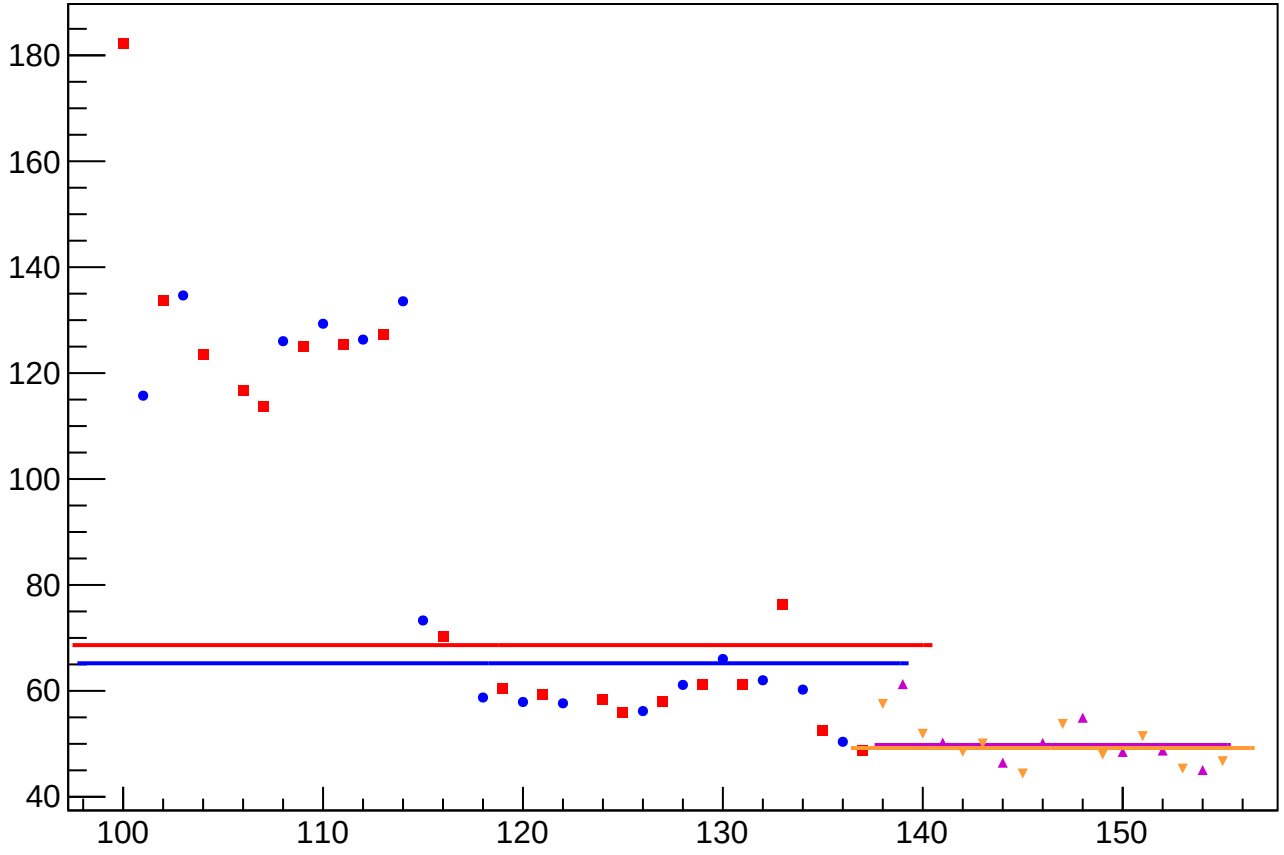
Left In: -62.518+/-18.964 χ^2/NDF:5.8/7

+ sign 44.214+/-14.598 χ^2/NDF: 30.5/25

All: -5.633+/-10.626 χ^2/NDF: 81.4/52

- sign -61.825+/-15.499 χ^2/NDF: 26.2/26

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.214+/-0.013 χ^2/NDF:88689.6/9

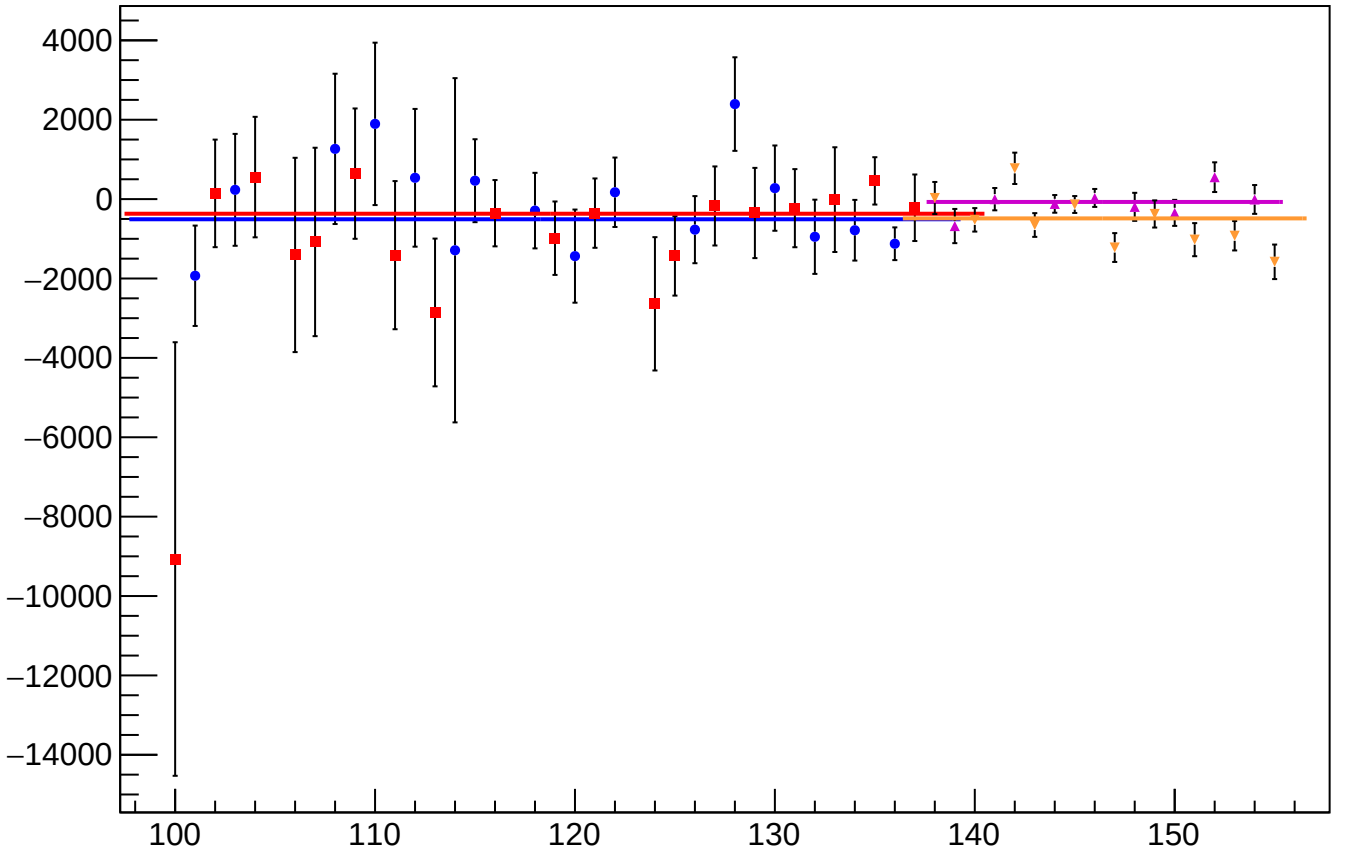
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.782+/-0.013 χ^2/NDF:104827.9/7

+ sign 54.343+/-0.010 χ^2/NDF: 2058472.9/25

All: 55.143+/-0.008 χ^2/NDF: 4470506.6/52

- sign 56.045+/-0.011 χ^2/NDF: 2399250.8/26



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -485.940+/-104.454 χ^2/NDF:28.4/9

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

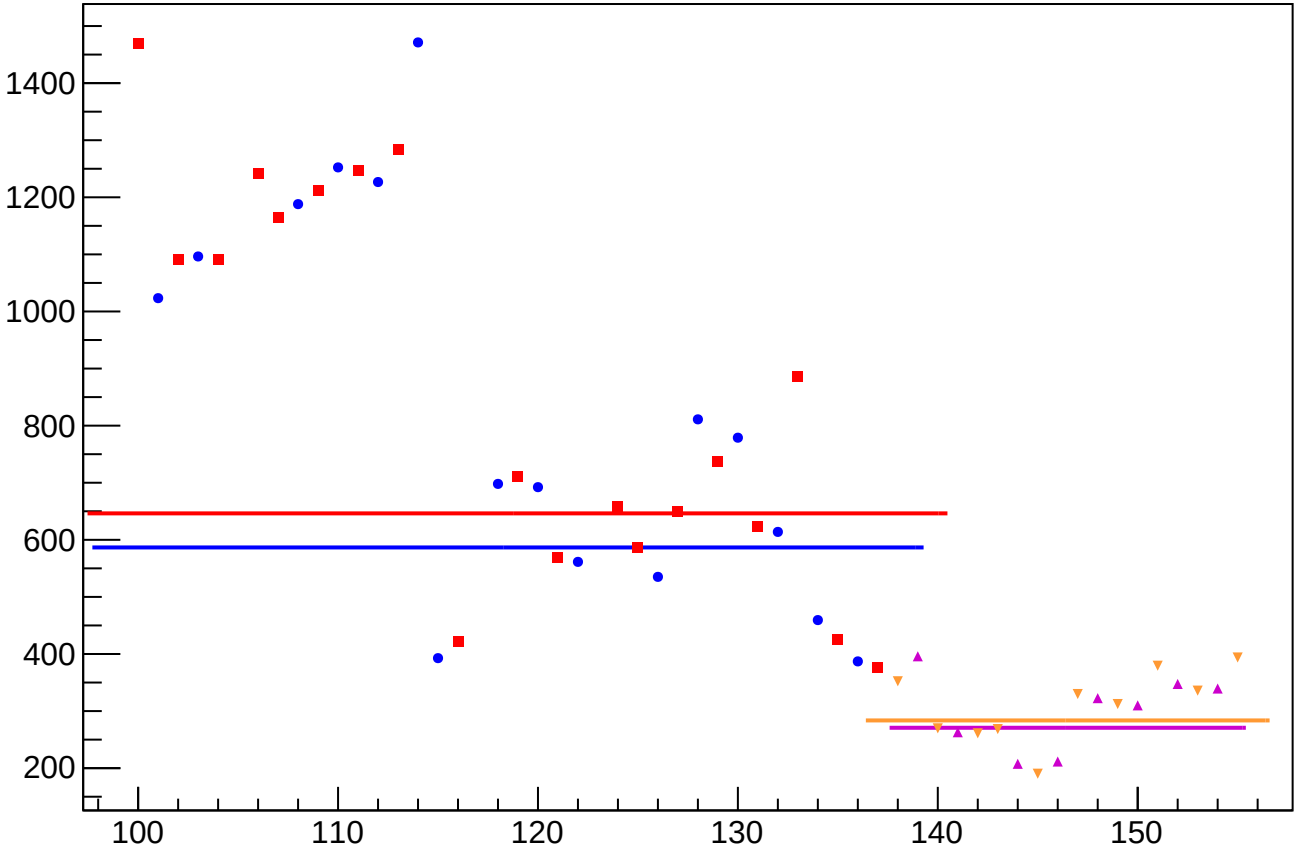
Left In: -71.506+/-105.553 χ^2/NDF:5.9/7

\+ sign -489.515+/-95.578 χ^2/NDF: 44.0/25

All: -305.948+/-68.292 χ^2/NDF: 69.9/52

\- sign -114.483+/-97.613 χ^2/NDF: 18.4/26

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 283.626+/-0.074 χ^2/NDF:778293.4/9

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

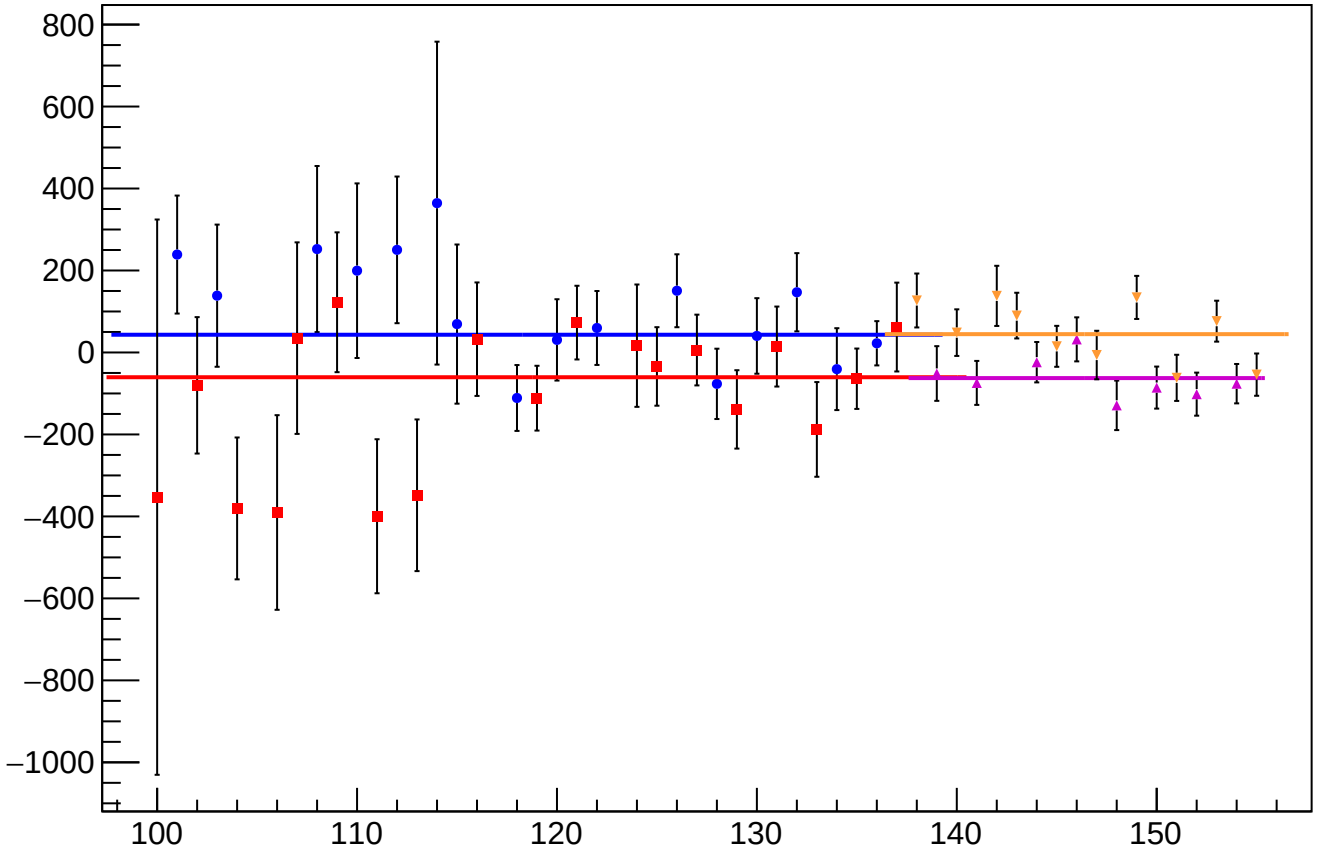
Left In: 270.761+/-0.075 χ^2/NDF:694981.0/7

+ sign 332.931+/-0.068 χ^2/NDF: 5570189.4/25

All: 329.116+/-0.048 χ^2/NDF: 12000843.0/52

- sign 325.138+/-0.069 χ^2/NDF: 6424144.4/26

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 44.675+/-17.710 χ^2/NDF:15.5/9

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

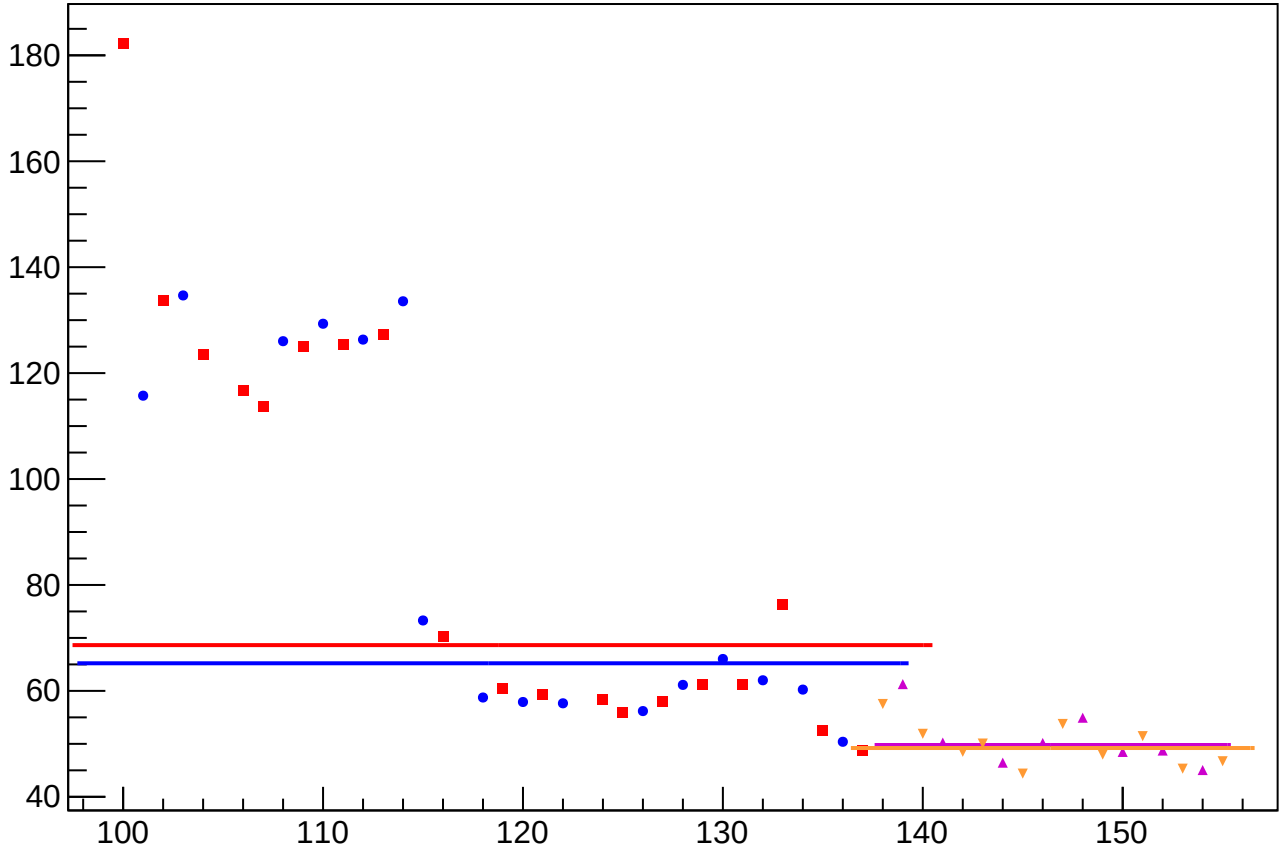
Left In: -62.518+/-18.964 χ^2/NDF:5.8/7

+ sign 44.214+/-14.598 χ^2/NDF: 30.5/25

All: -5.633+/-10.626 χ^2/NDF: 81.4/52

- sign -61.825+/-15.499 χ^2/NDF: 26.2/26

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.214+/-0.013 χ^2/NDF:88689.6/9

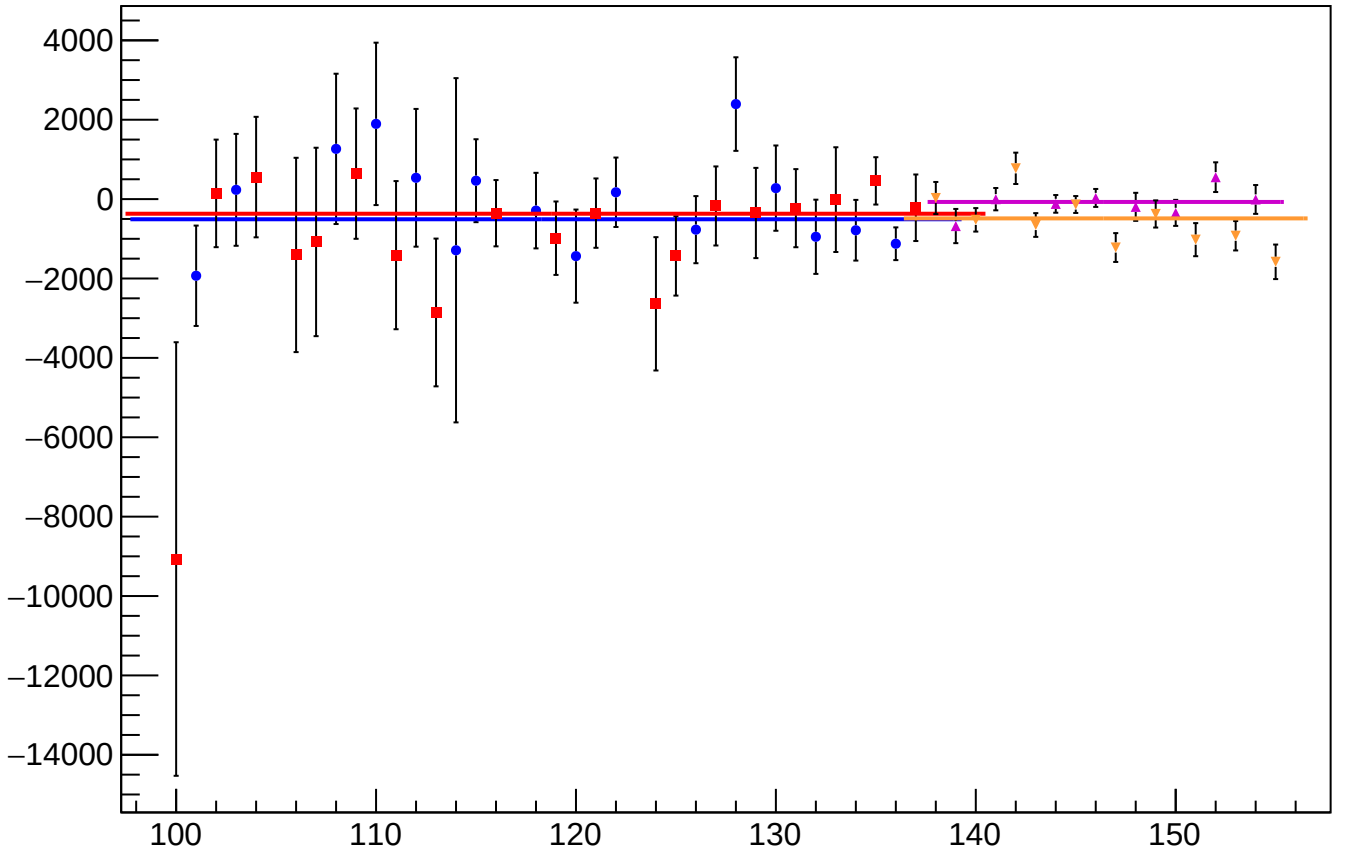
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.782+/-0.013 χ^2/NDF:104827.9/7

+ sign 54.343+/-0.010 χ^2/NDF: 2058472.9/25

All: 55.143+/-0.008 χ^2/NDF: 4470506.6/52

- sign 56.045+/-0.011 χ^2/NDF: 2399250.8/26



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -485.940+/-104.454 χ^2/NDF:28.4/9

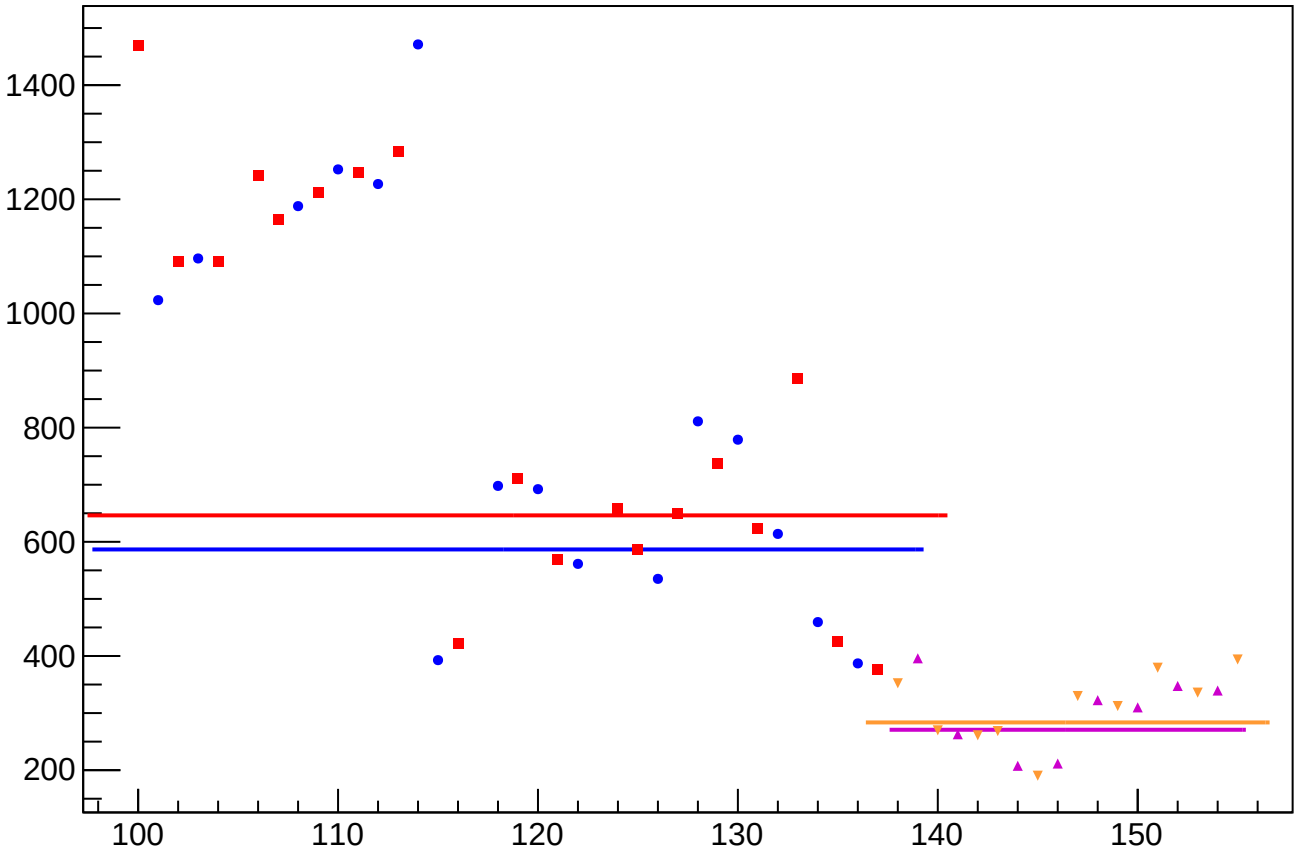
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -71.506+/-105.553 χ^2/NDF:5.9/7

+ sign -489.515+/-95.578 χ^2/NDF: 44.0/25

All: -305.948+/-68.292 χ^2/NDF: 69.9/52

- sign -114.483+/-97.613 χ^2/NDF: 18.4/26



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 283.626+/-0.074 χ^2/NDF:778293.4/9

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

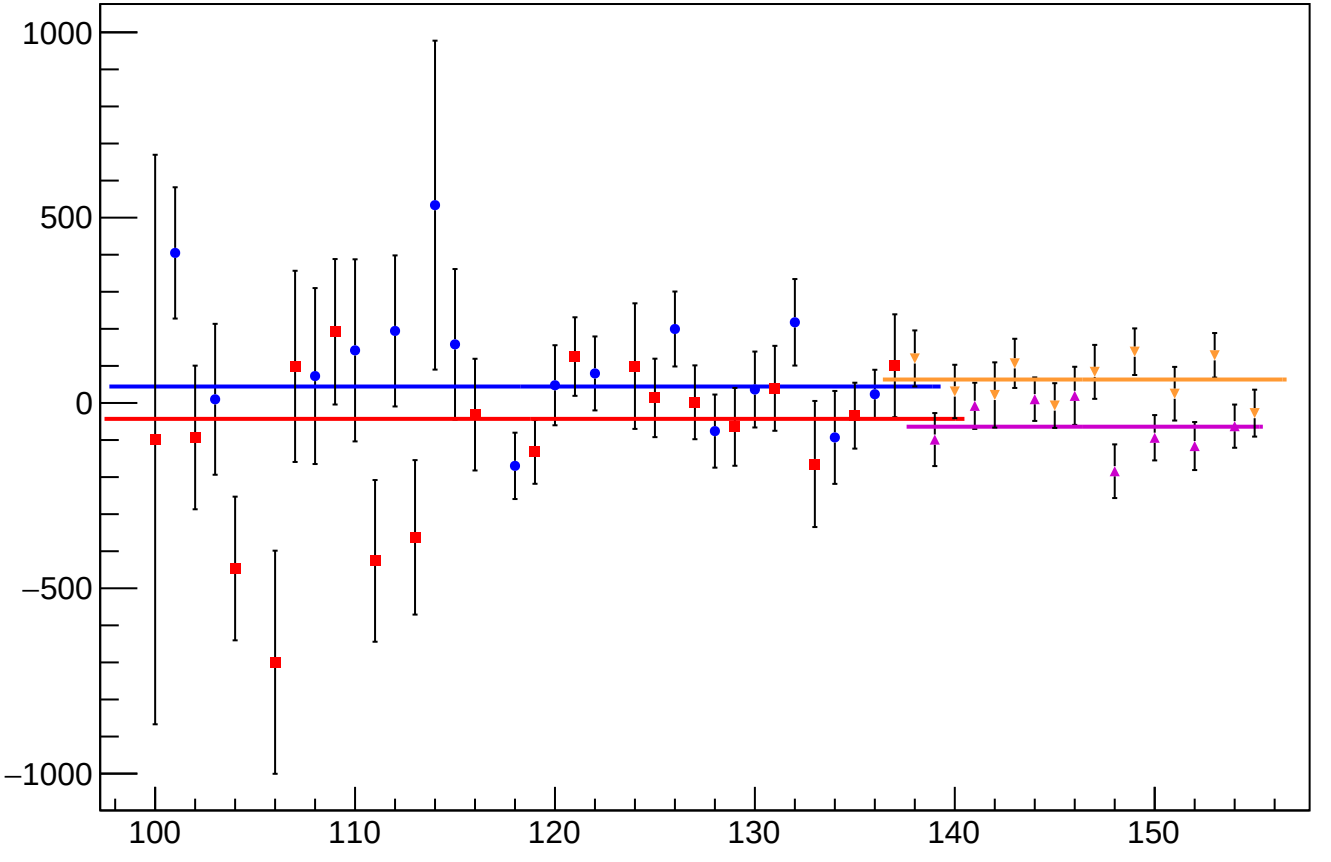
Left In: 270.761+/-0.075 χ^2/NDF:694981.0/7

+ sign 332.931+/-0.068 χ^2/NDF: 5570189.4/25

All: 329.116+/-0.048 χ^2/NDF: 12000843.0/52

- sign 325.138+/-0.069 χ^2/NDF: 6424144.4/26

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 63.265+/-21.533 χ^2/NDF:7.8/9

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

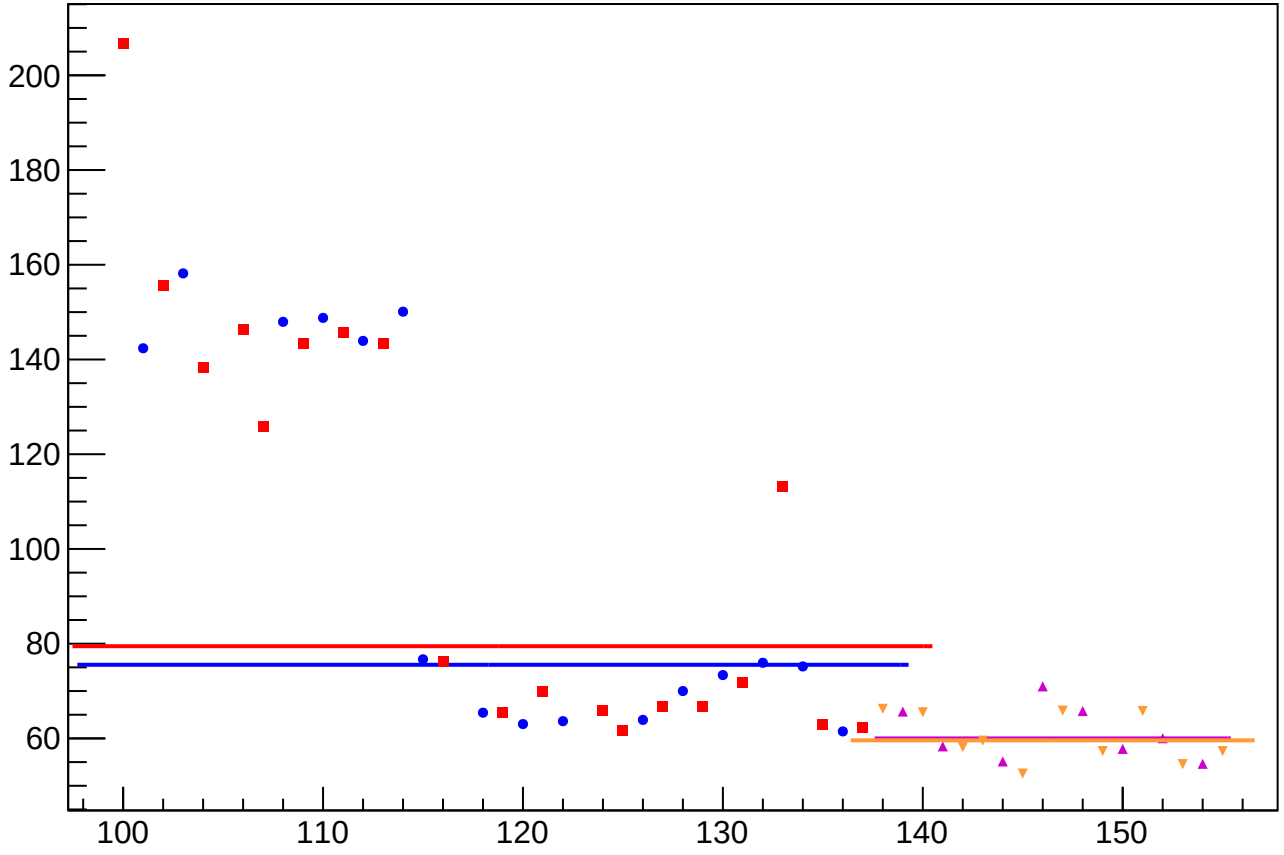
Left In: -64.028+/-22.963 χ^2/NDF:7.4/7

+ sign 56.820+/-17.475 χ^2/NDF: 27.7/25

All: 3.341+/-12.705 χ^2/NDF: 78.5/52

- sign -56.620+/-18.504 χ^2/NDF: 31.0/26

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 59.595+/-0.015 χ^2/NDF:105193.1/9

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

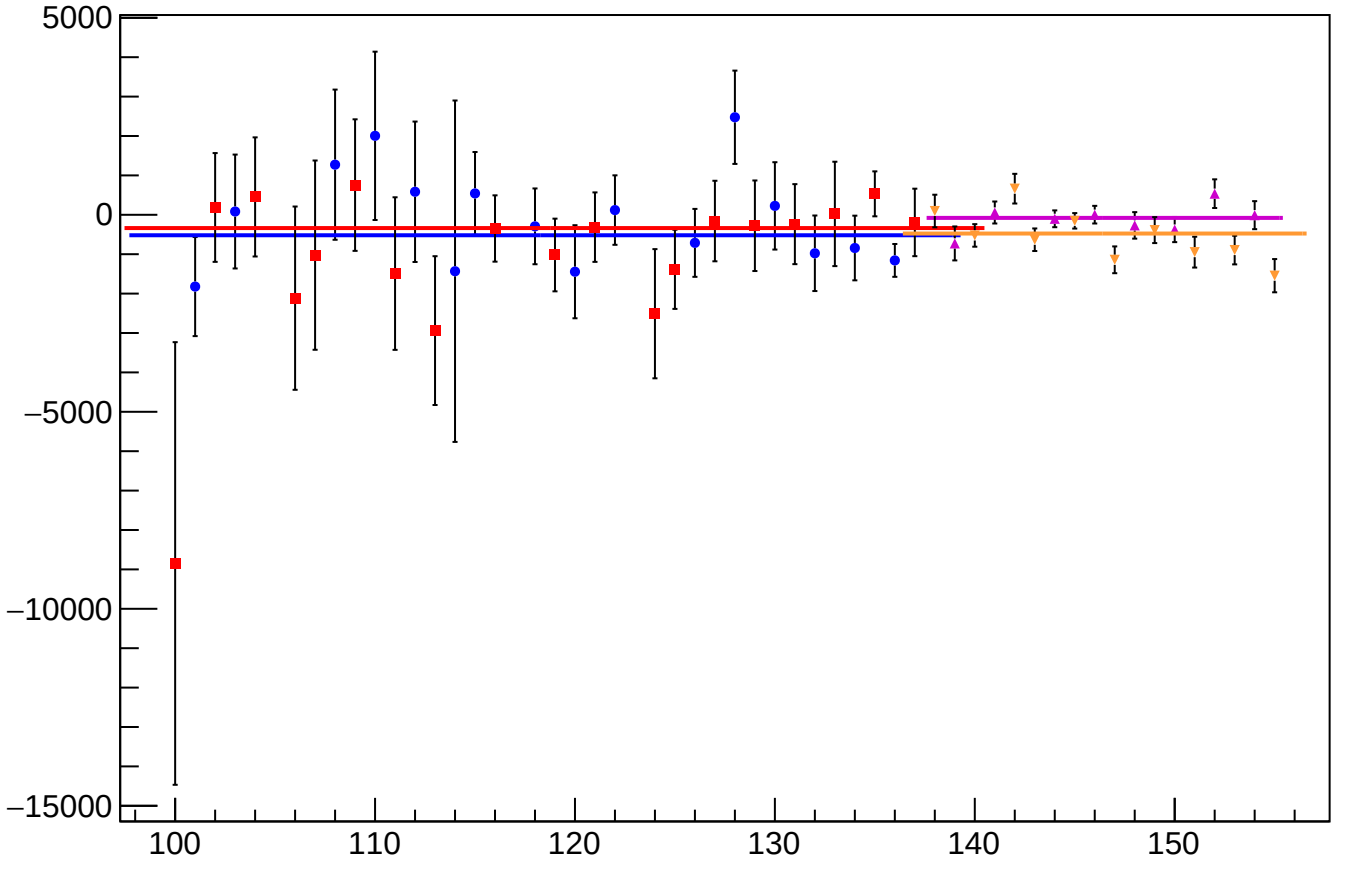
Left In: 60.000+/-0.016 χ^2/NDF:99308.5/7

+ sign 65.040+/-0.012 χ^2/NDF: 1945324.9/25

All: 65.882+/-0.009 χ^2/NDF: 4242078.9/52

- sign 66.825+/-0.013 χ^2/NDF: 2286914.6/26

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -475.497+/-99.606 χ^2/NDF:27.2/9

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

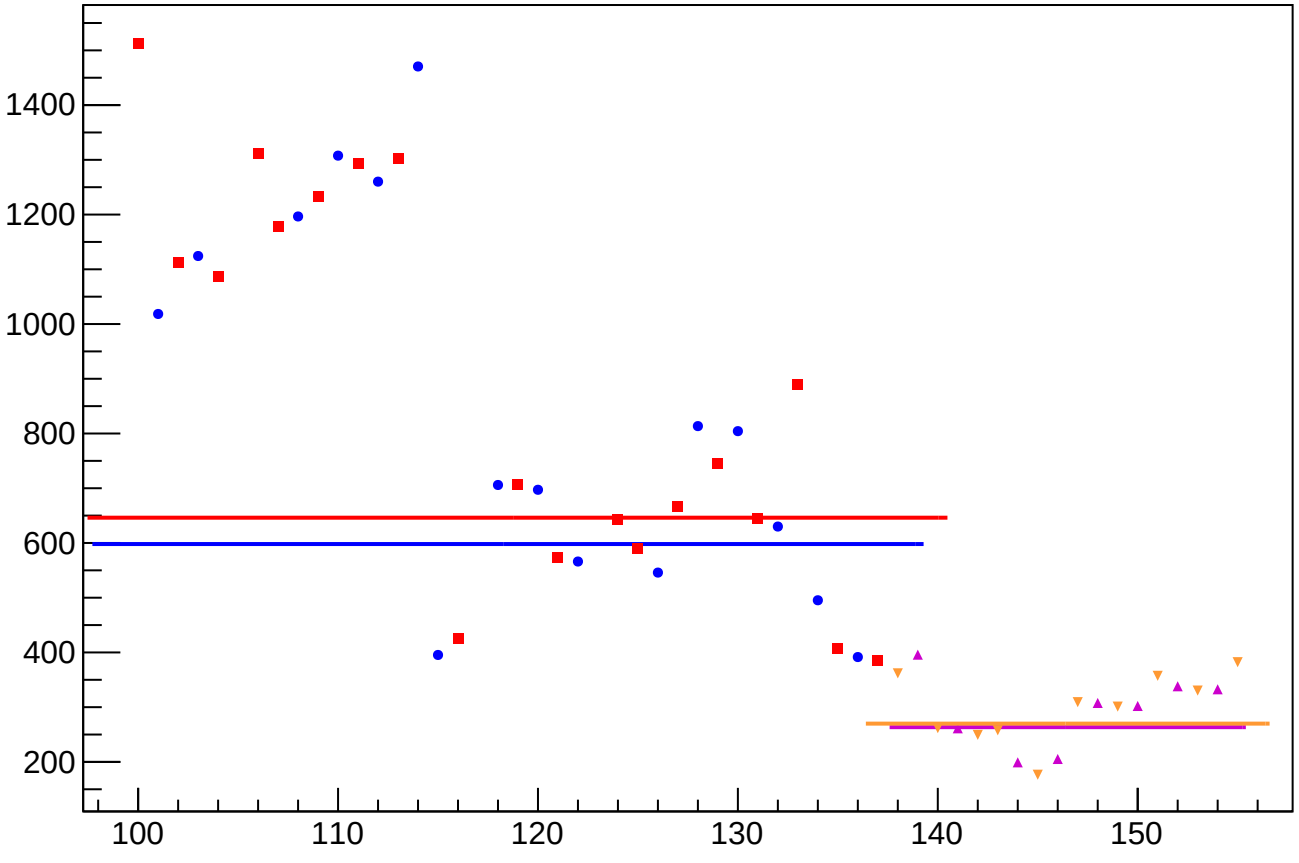
Left In: -78.521+/-103.012 χ^2/NDF:6.7/7

+ sign -481.866+/-92.072 χ^2/NDF: 43.0/25

All: -305.013+/-66.316 χ^2/NDF: 70.2/52

- sign -114.354+/-95.598 χ^2/NDF: 19.5/26

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 269.943+/-0.070 χ^2/NDF:902623.7/9

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

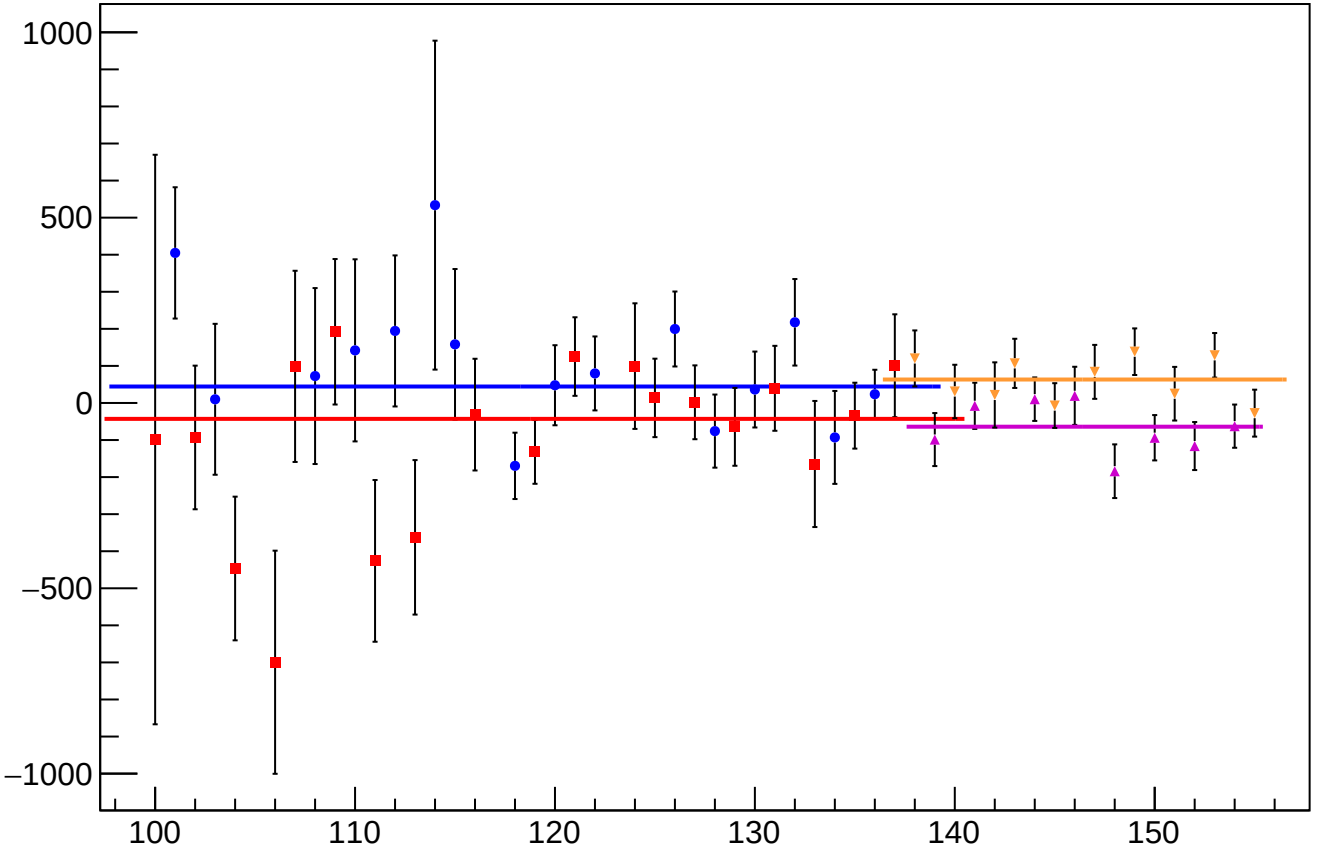
Left In: 263.477+/-0.073 χ^2/NDF:729115.0/7

\+ sign 317.705+/-0.065 χ^2/NDF: 6109434.8/25

All: 317.168+/-0.047 χ^2/NDF: 12875176.9/52

\- sign 316.589+/-0.068 χ^2/NDF: 6765600.8/26

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 63.265+/-21.533 χ^2/NDF:7.8/9

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

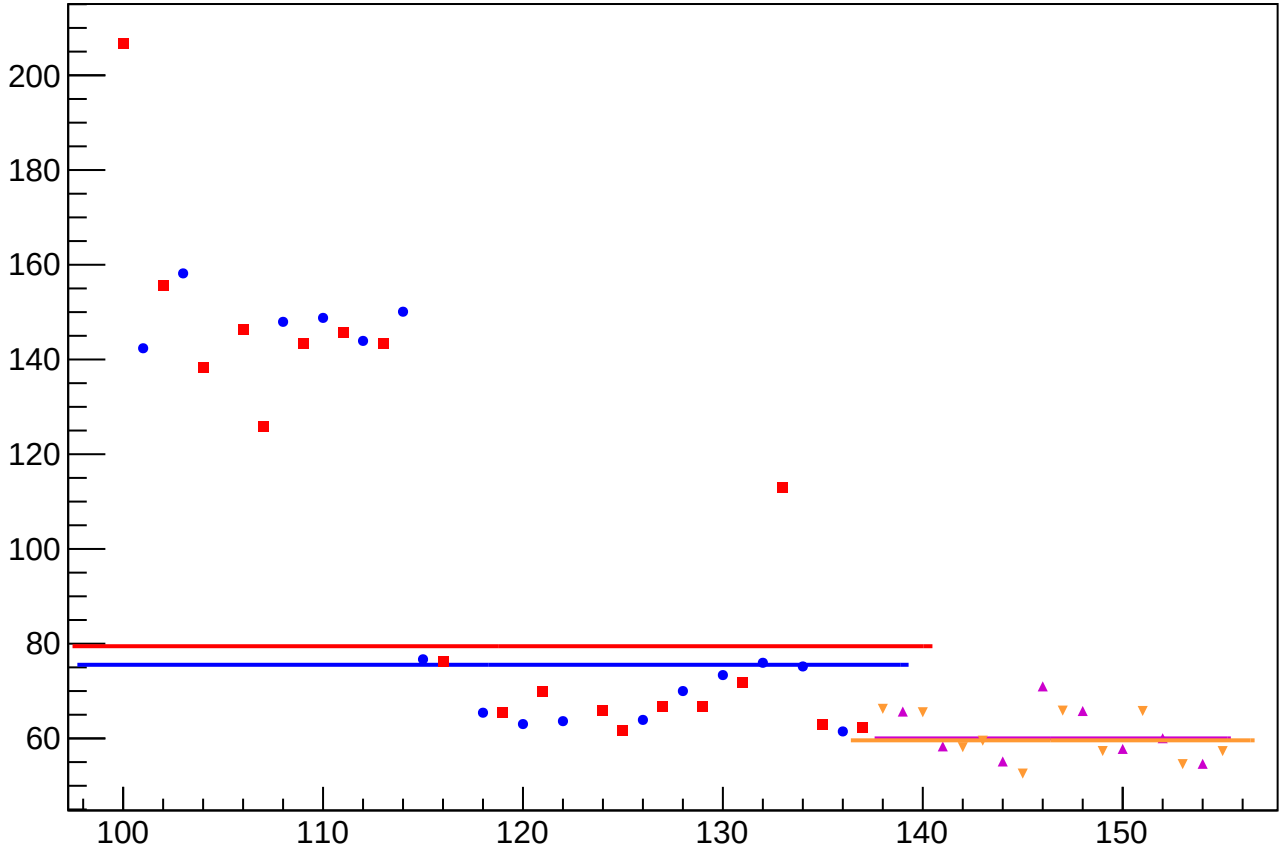
Left In: -64.027+/-22.963 χ^2/NDF:7.4/7

+ sign 56.821+/-17.475 χ^2/NDF: 27.7/25

All: 3.341+/-12.705 χ^2/NDF: 78.5/52

- sign -56.619+/-18.504 χ^2/NDF: 31.0/26

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 59.595+/-0.015 χ^2/NDF:105192.2/9

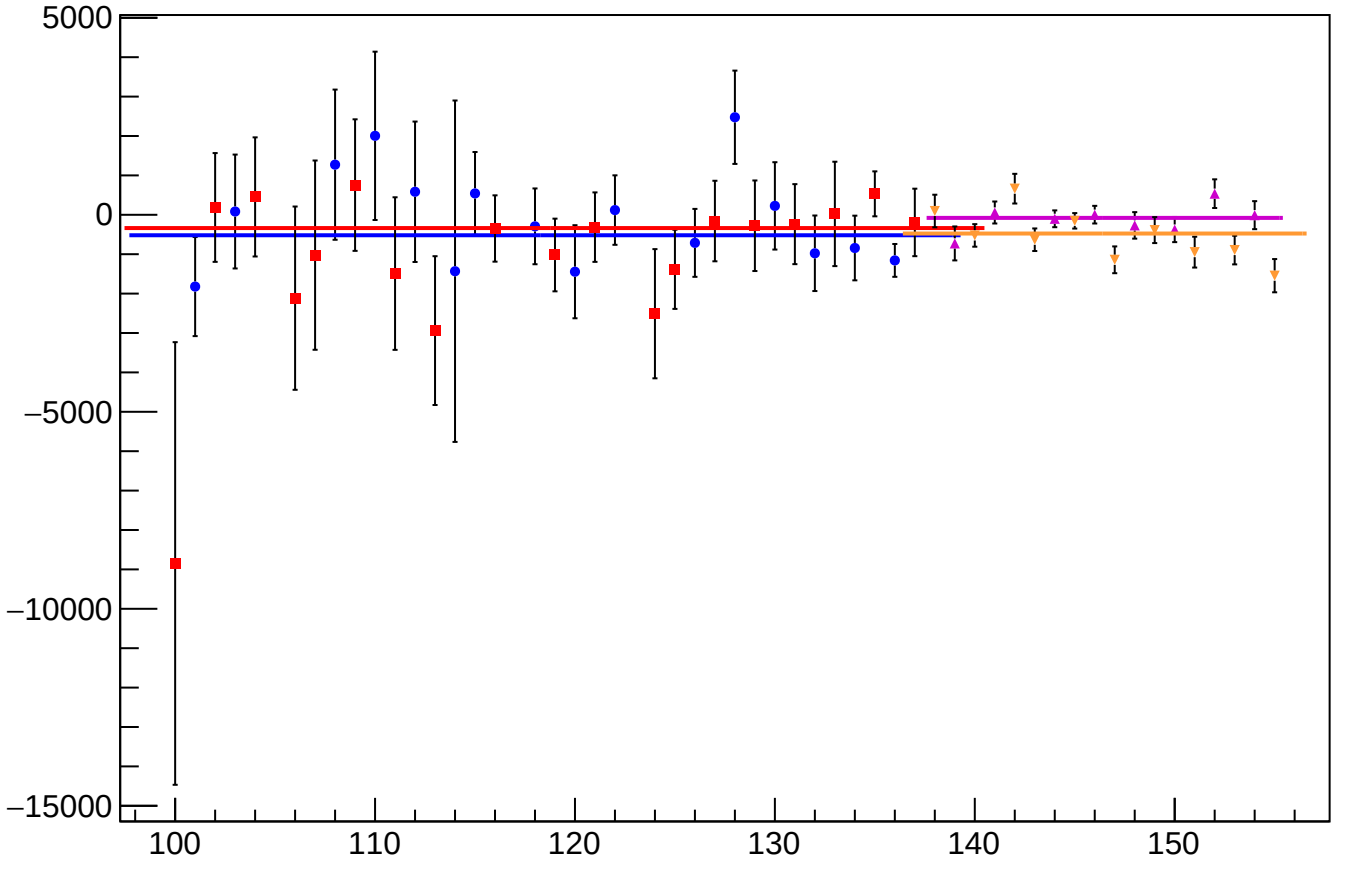
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 60.000+/-0.016 χ^2/NDF:99309.2/7

\+ sign 65.040+/-0.012 χ^2/NDF: 1945287.4/25

All: 65.882+/-0.009 χ^2/NDF: 4242011.6/52

\- sign 66.825+/-0.013 χ^2/NDF: 2286884.6/26



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -475.497+/-99.606 χ^2/NDF:27.2/9

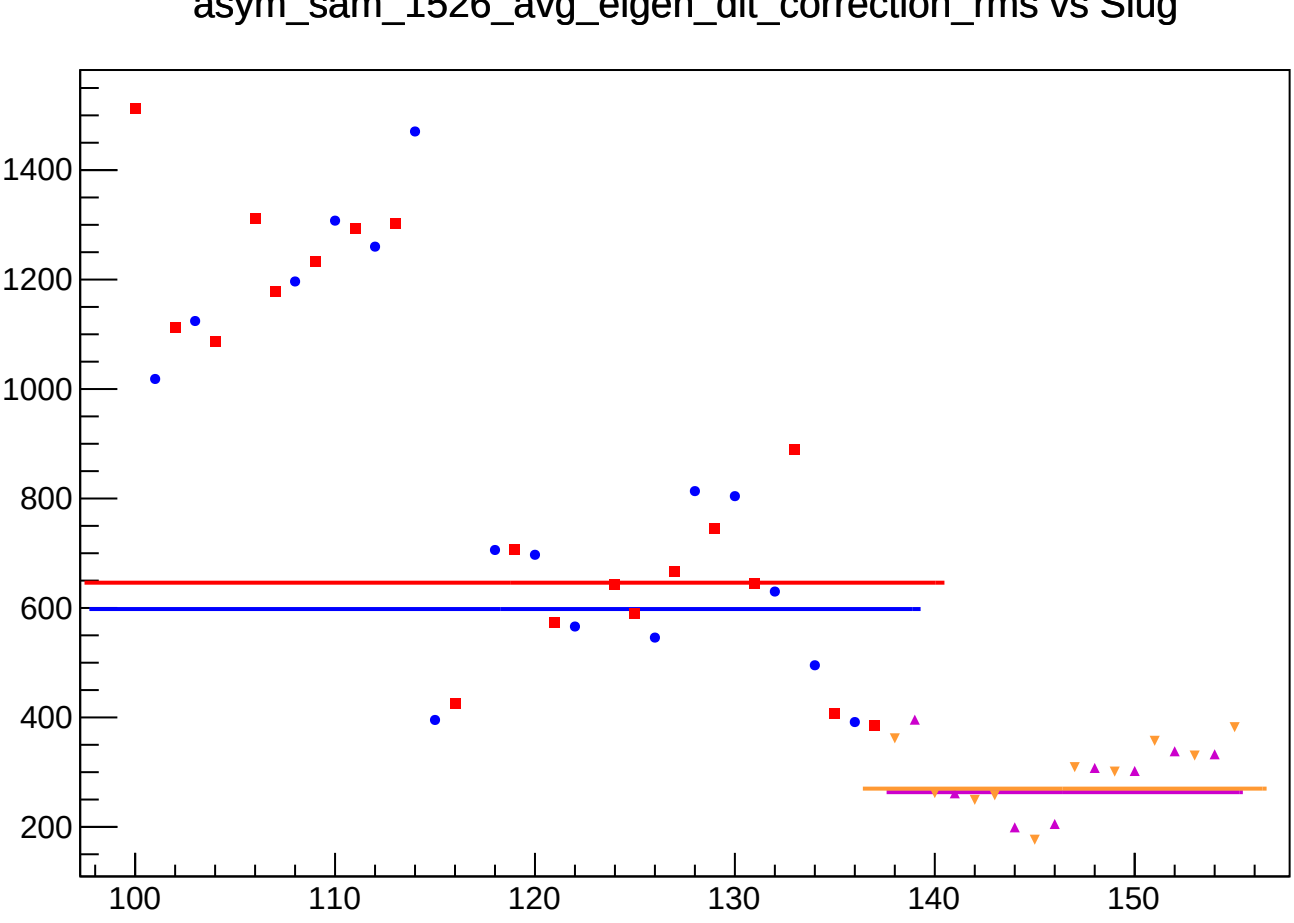
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -78.521+/-103.012 χ^2/NDF:6.7/7

+ sign -481.866+/-92.071 χ^2/NDF: 43.0/25

All: -305.013+/-66.316 χ^2/NDF: 70.2/52

- sign -114.355+/-95.597 χ^2/NDF: 19.5/26



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 269.942+/-0.070 χ^2/NDF:902629.8/9

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

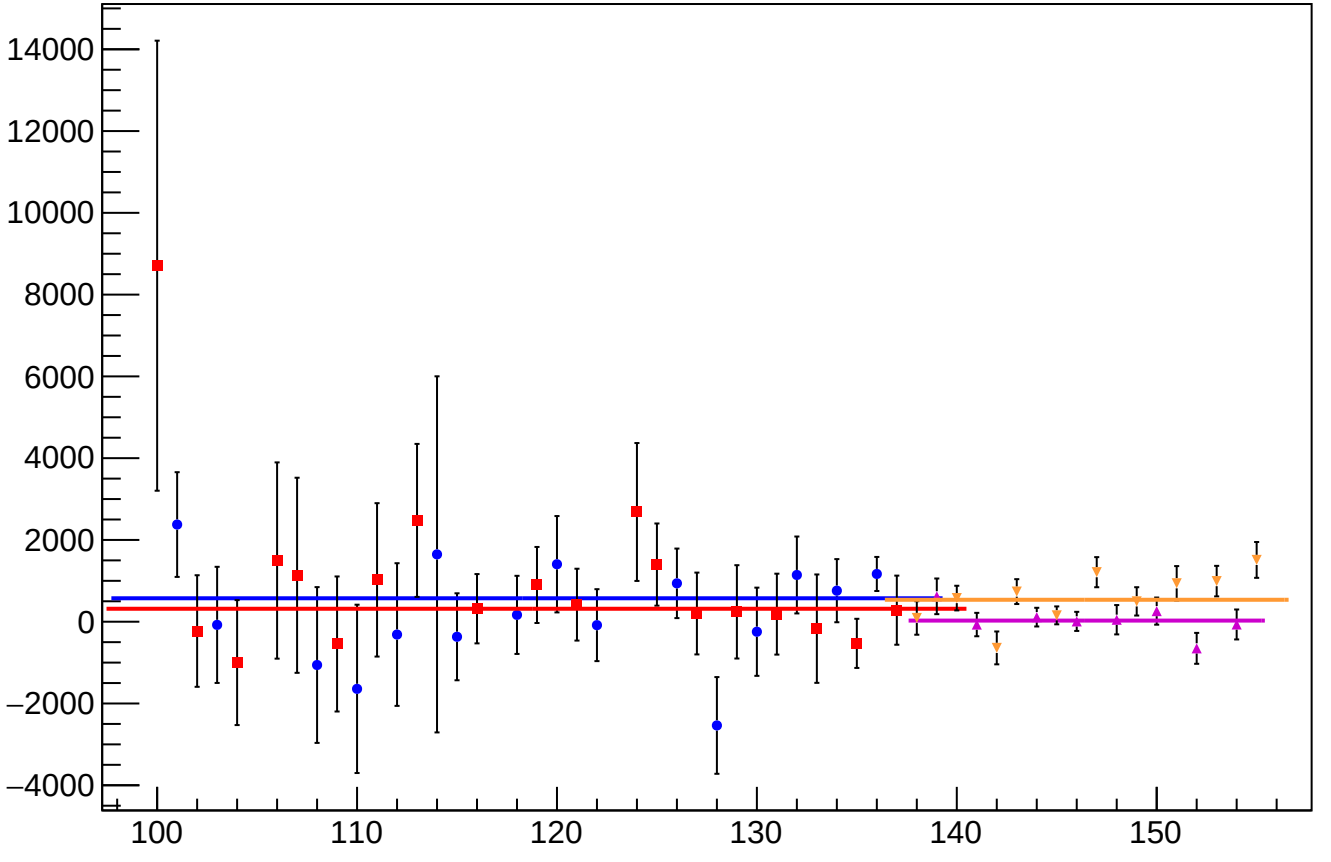
Left In: 263.477+/-0.073 χ^2/NDF:729112.3/7

+ sign 317.704+/-0.065 χ^2/NDF: 6109432.7/25

All: 317.168+/-0.047 χ^2/NDF: 12875161.6/52

- sign 316.589+/-0.068 χ^2/NDF: 6765587.7/26

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 536.594+/-106.258 χ^2/NDF:24.0/9

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

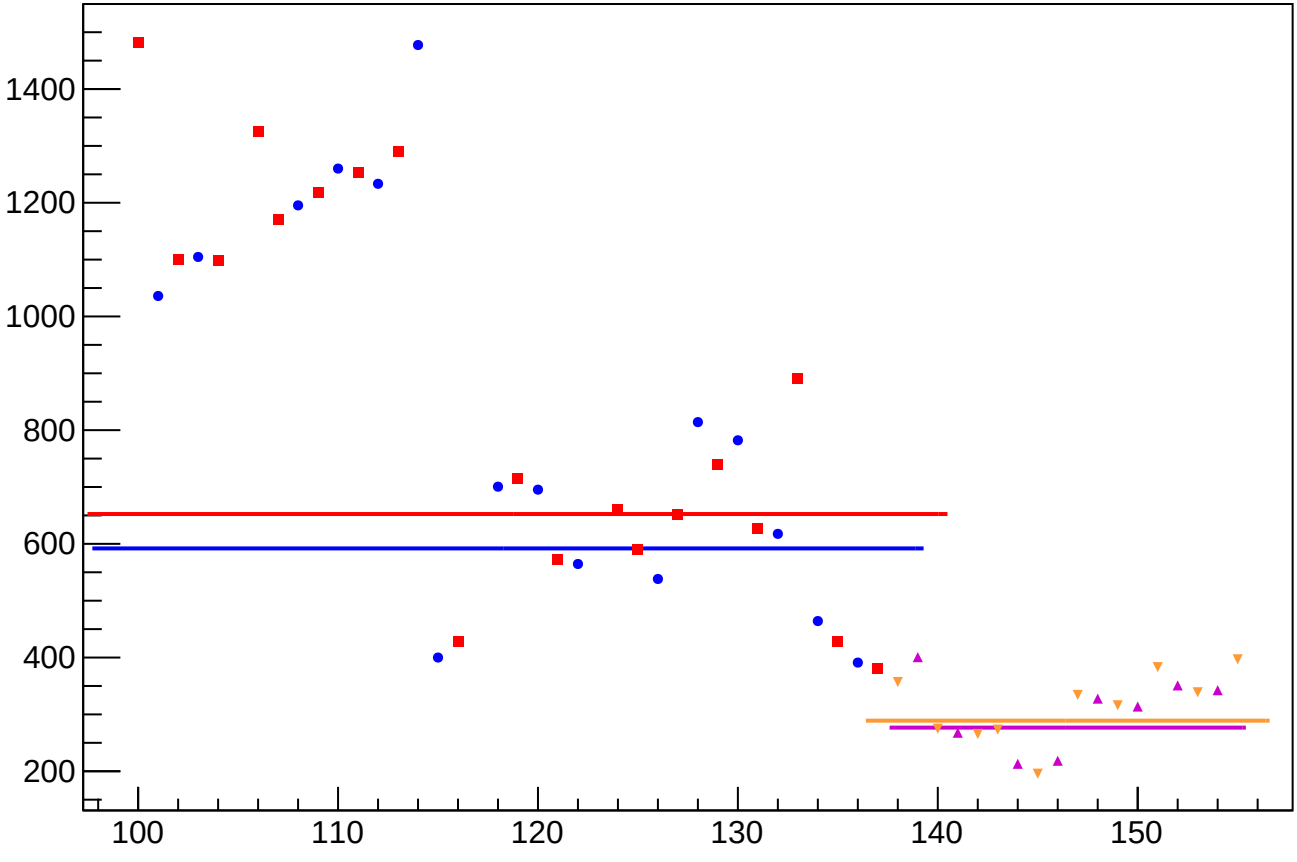
Left In: 27.640+/-107.685 χ^2/NDF:5.9/7

+ sign 542.667+/-97.089 χ^2/NDF: 40.6/25

All: 312.101+/-69.452 χ^2/NDF: 70.1/52

- sign 70.477+/-99.390 χ^2/NDF: 18.0/26

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 288.971+/-0.075 χ^2/NDF:734253.9/9

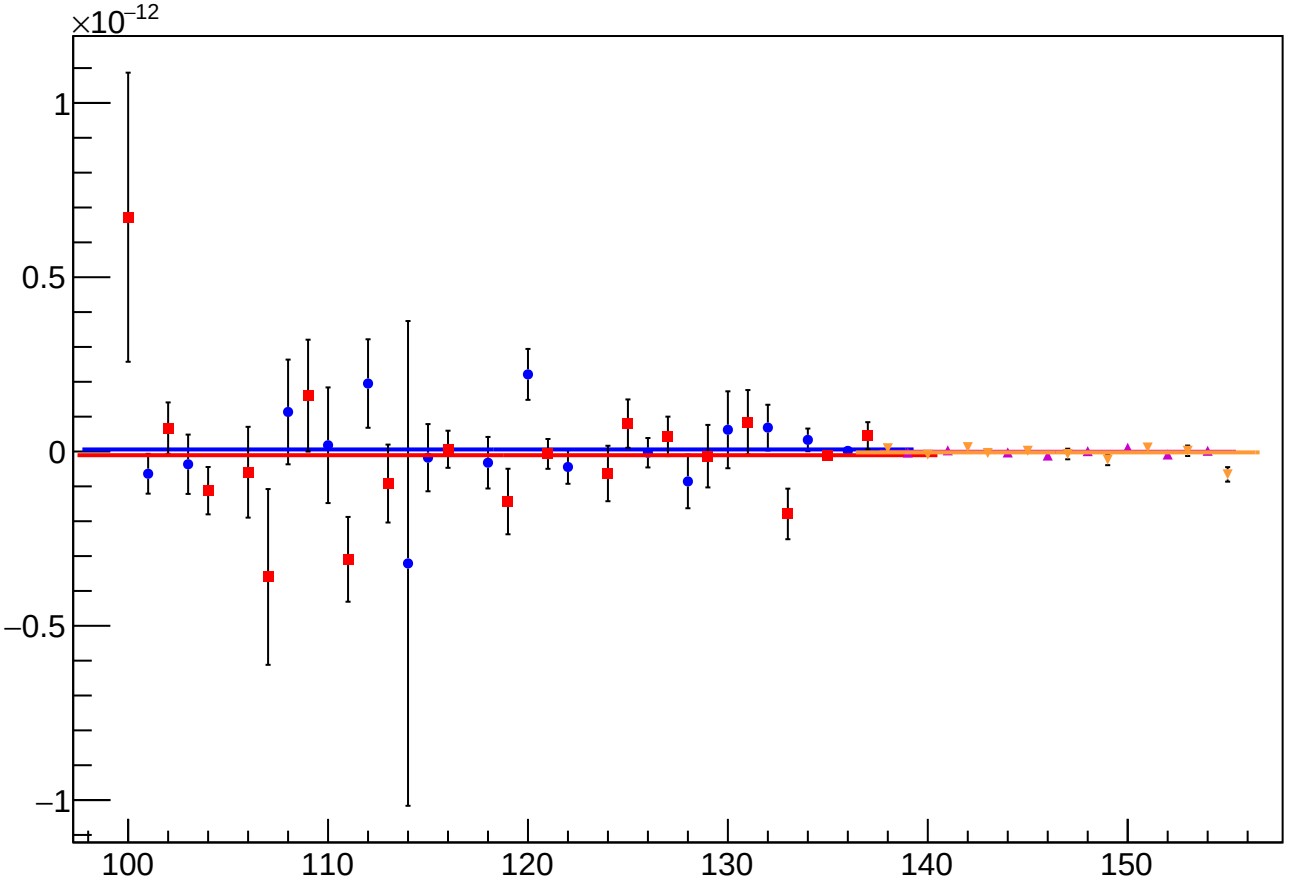
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 276.738+/-0.076 χ^2/NDF:649998.1/7

+ sign 339.006+/-0.069 χ^2/NDF: 5455503.0/25

All: 335.777+/-0.049 χ^2/NDF: 11806571.7/52

- sign 332.393+/-0.070 χ^2/NDF: 6346537.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

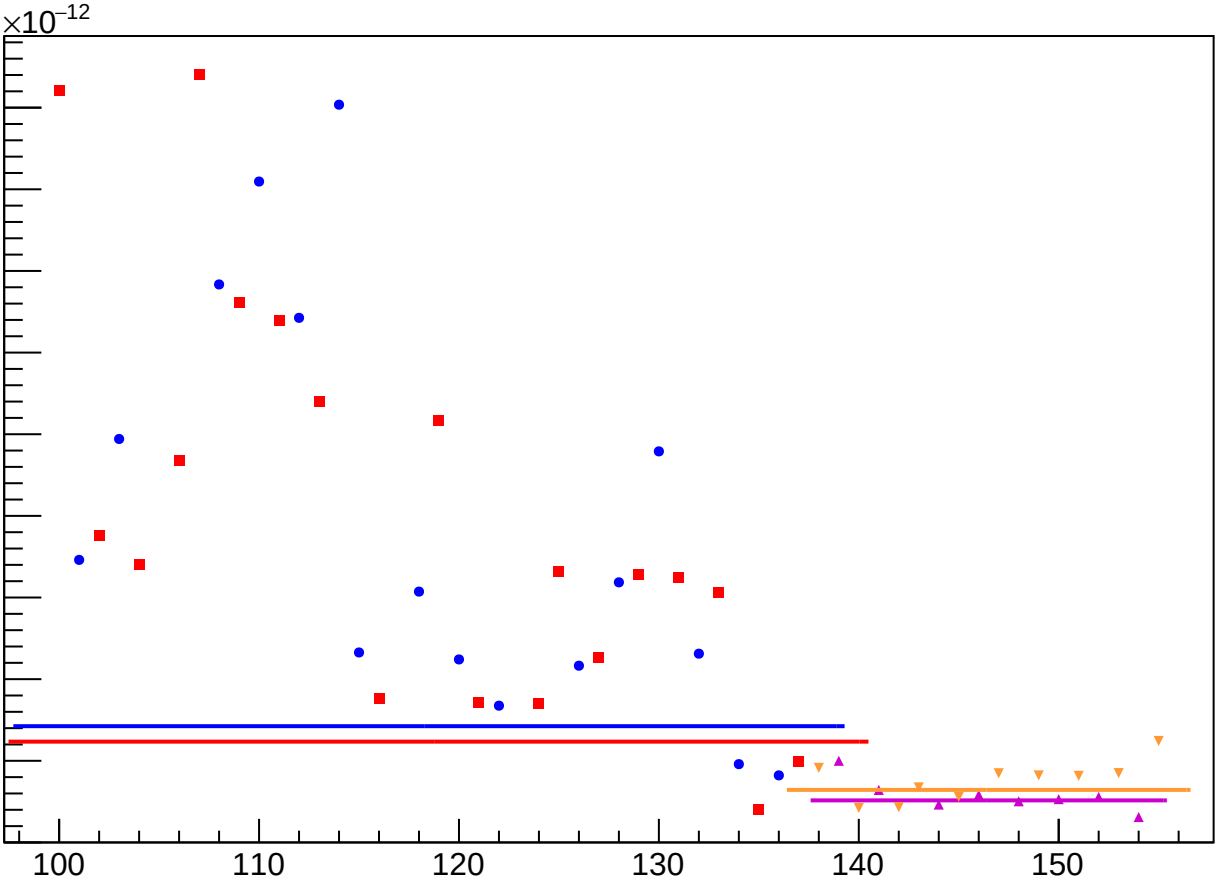
Left In: -0.000+/-0.000 χ^2/NDF:3.5/7

+ sign -0.000+/-0.000 χ^2/NDF: 34.7/25

All: -0.000+/-0.000 χ^2/NDF: 68.4/52

- sign -0.000+/-0.000 χ^2/NDF: 33.7/26

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:625144.3/9

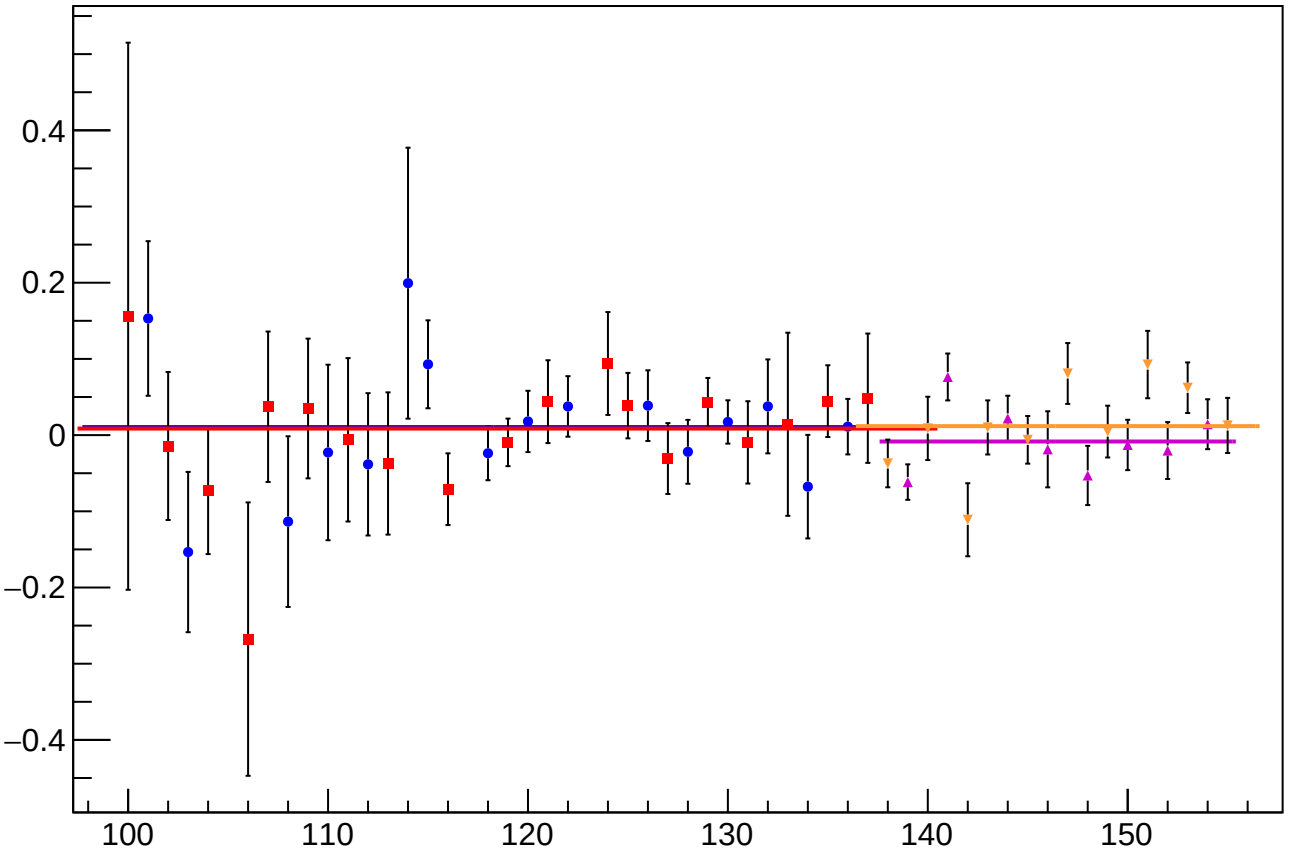
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:406270.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 4093865.0/25

All: 0.000+/-0.000 χ^2/NDF: 9010719.7/52

- sign 0.000+/-0.000 χ^2/NDF: 4723321.2/26



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/9

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

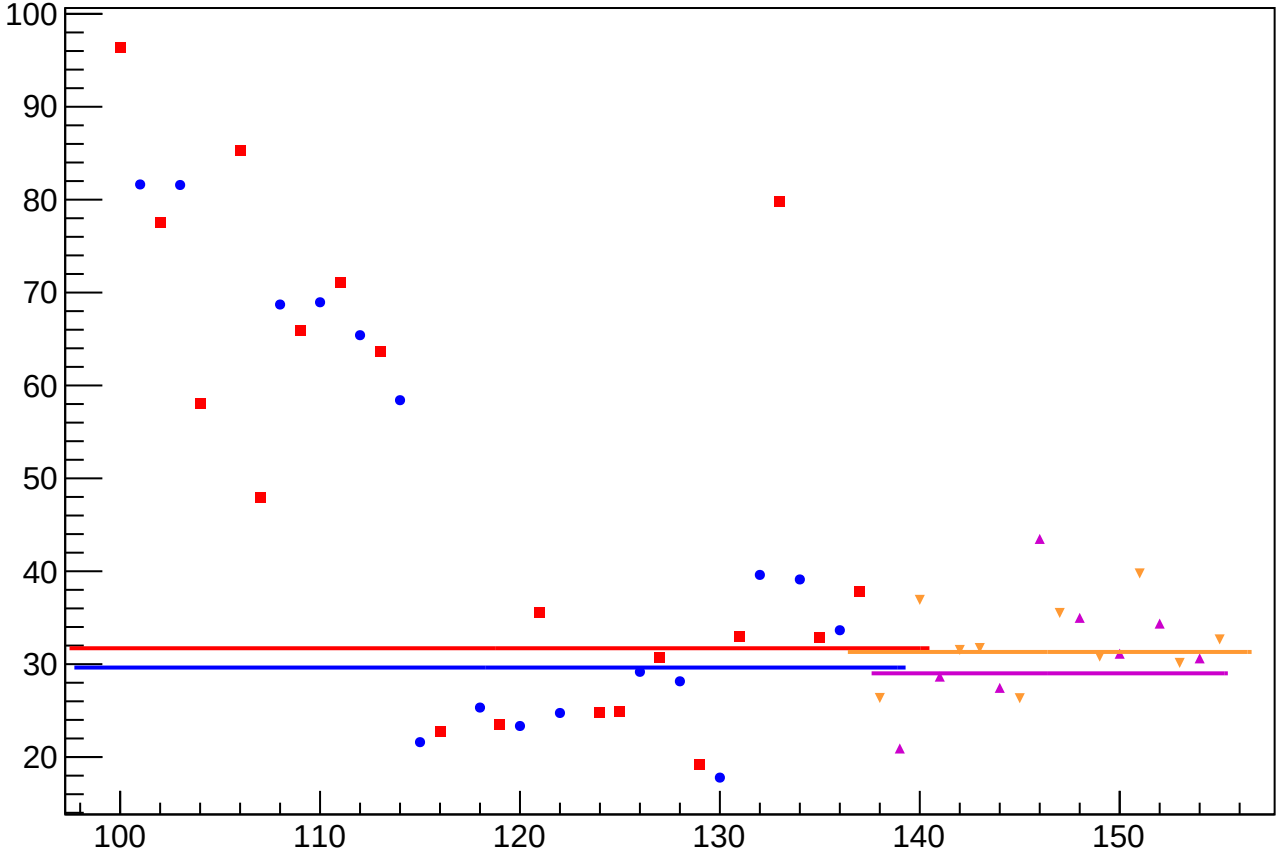
Left In: -0.008+/-0.011 χ^2/NDF:15.8/7

+ sign 0.011+/-0.008 χ^2/NDF: 31.2/25

All: 0.005+/-0.006 χ^2/NDF: 61.4/52

- sign -0.001+/-0.009 χ^2/NDF: 29.2/26

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: 31.314+/-0.008 χ^2/NDF:238625.5/9

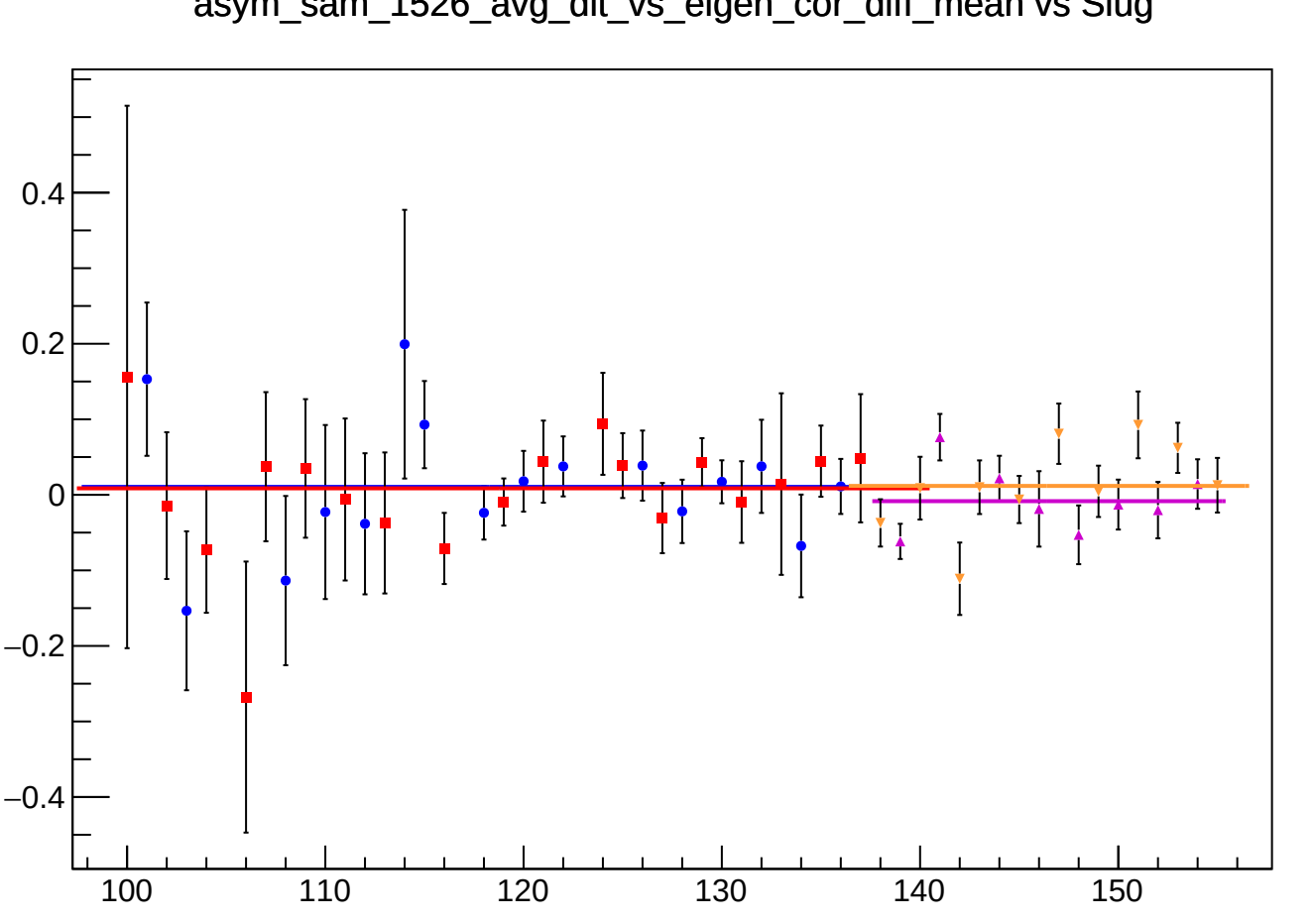
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

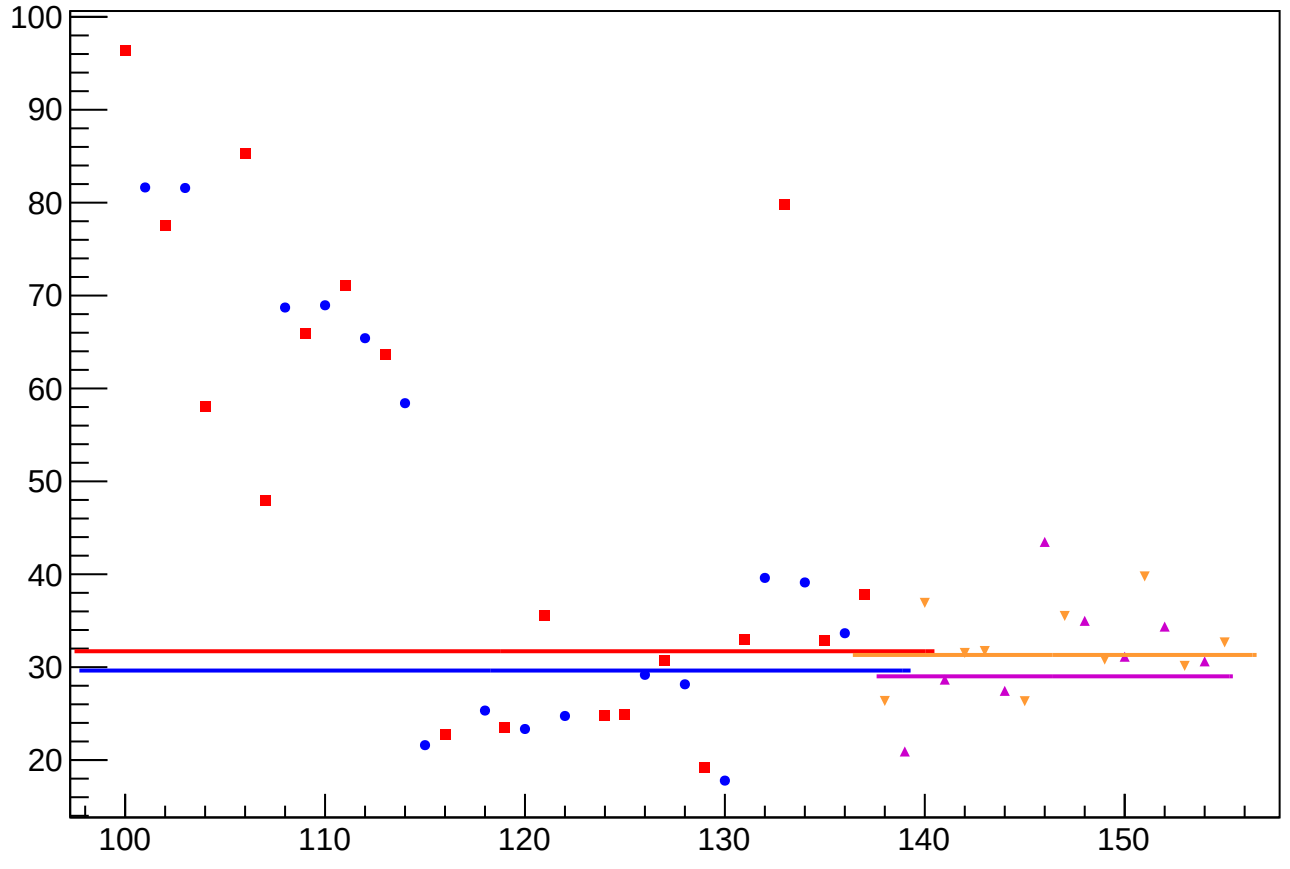
Left In: 29.012+/-0.008 χ^2/NDF:516657.5/7

+ sign 30.546+/-0.006 χ^2/NDF: 2706508.8/25

All: 30.359+/-0.004 χ^2/NDF: 5924273.5/52

- sign 30.165+/-0.006 χ^2/NDF: 3215786.7/26


asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.012+/-0.012 χ²/NDF:18.0/9
Right Out: 0.009+/-0.013 χ²/NDF: 12.4/18
Left In: -0.008+/-0.011 χ²/NDF:15.8/7
+ sign 0.011+/-0.008 χ²/NDF: 31.2/25
All: 0.005+/-0.006 χ²/NDF: 61.4/52
- sign -0.001+/-0.009 χ²/NDF: 29.2/26



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.314+/-0.008 χ^2/NDF:238625.5/9

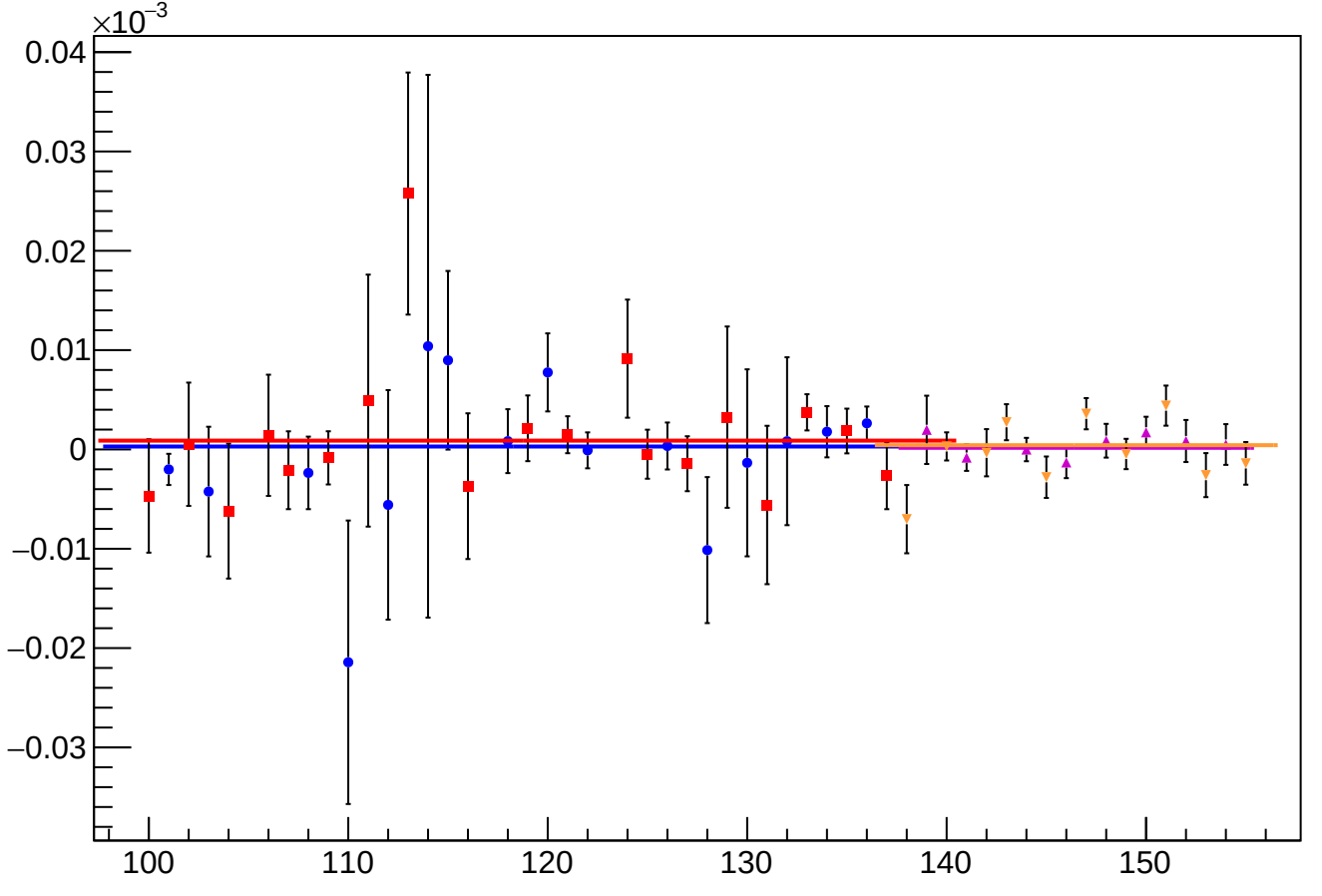
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.012+/-0.008 χ^2/NDF:516657.5/7

+ sign 30.546+/-0.006 χ^2/NDF: 2706508.8/25

All: 30.359+/-0.004 χ^2/NDF: 5924273.5/52

- sign 30.165+/-0.006 χ^2/NDF: 3215786.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/9

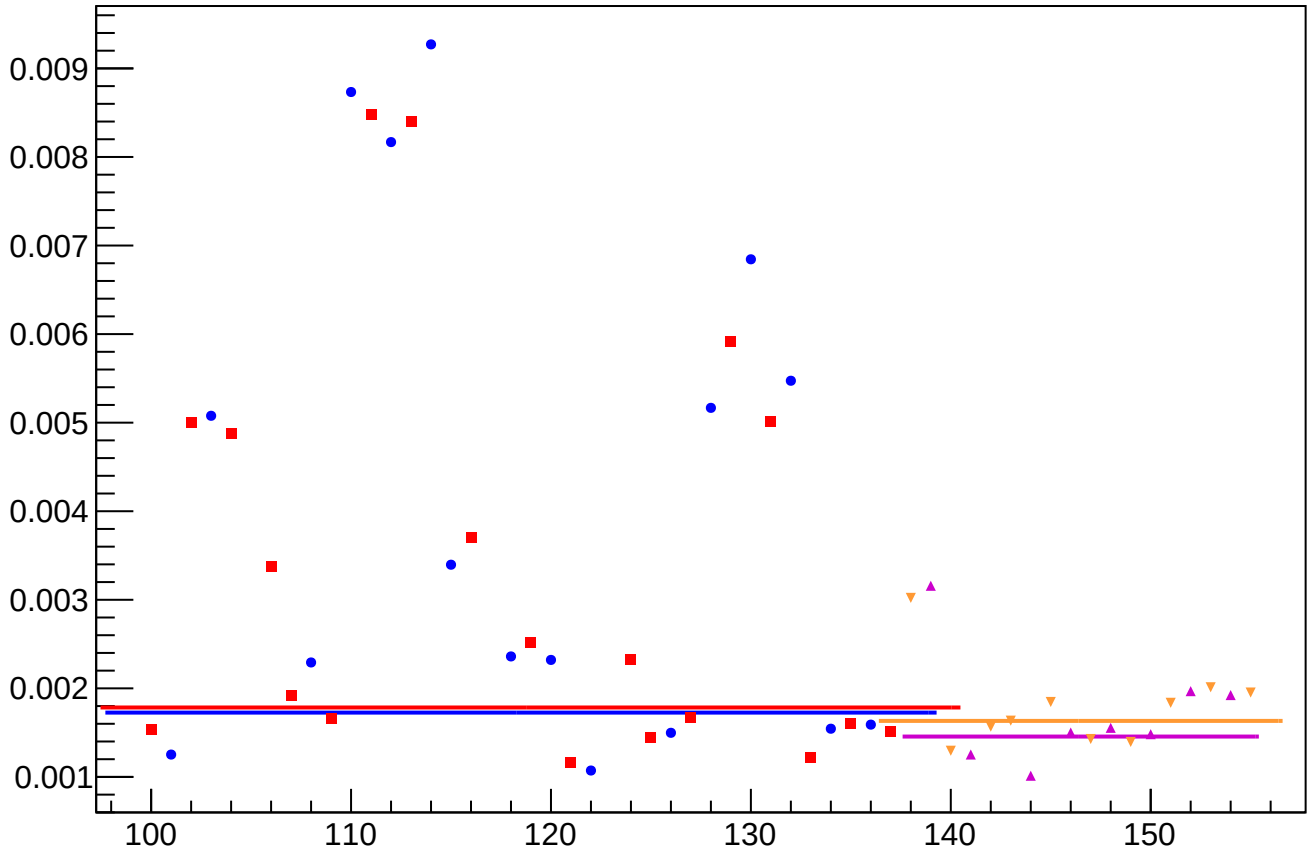
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/25

All: 0.000+/-0.000 χ^2/NDF: 53.5/52

- sign 0.000+/-0.000 χ^2/NDF: 18.9/26



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:668698.2/9

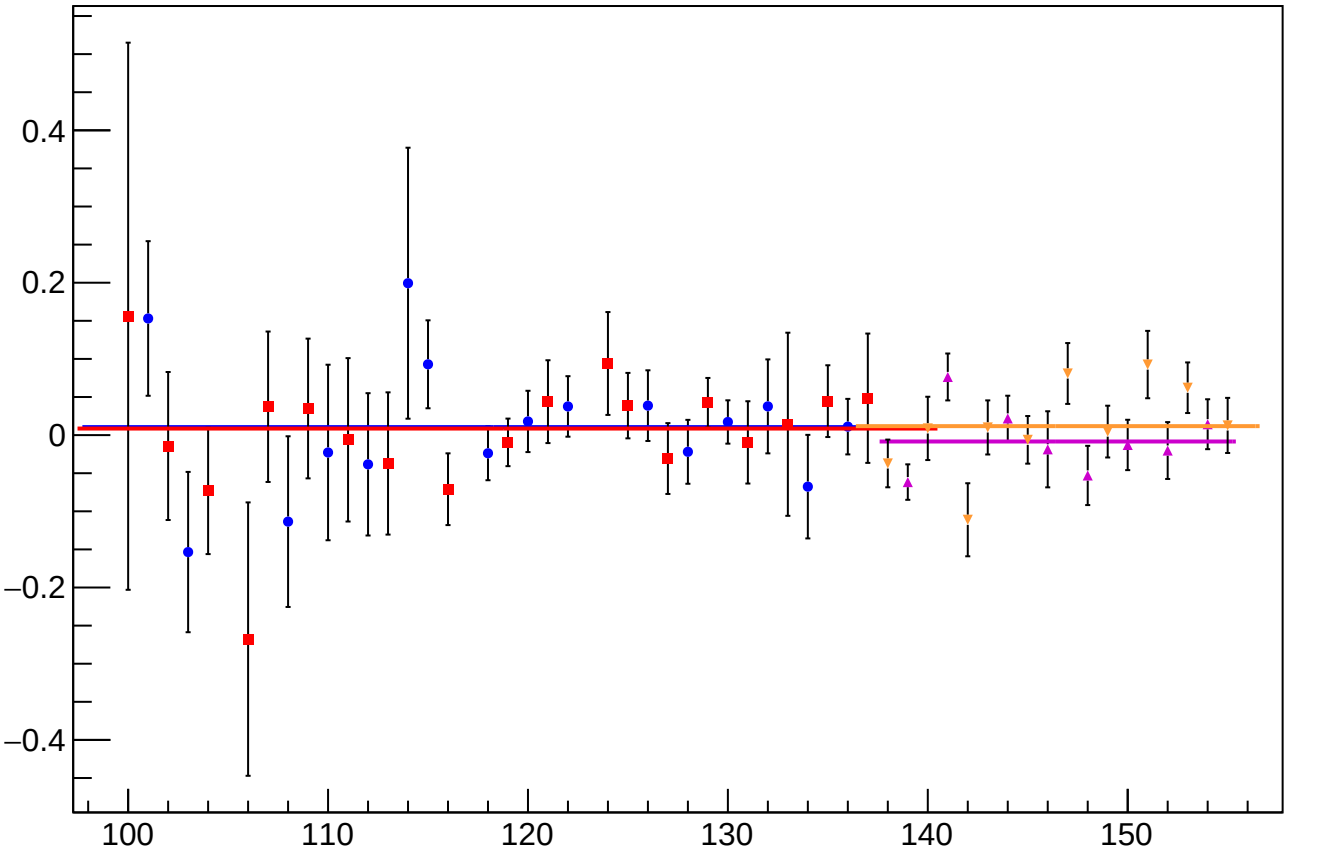
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1049955.6/7

+ sign 0.002+/-0.000 χ^2/NDF: 4619672.0/25

All: 0.002+/-0.000 χ^2/NDF: 9659475.7/52

- sign 0.002+/-0.000 χ^2/NDF: 4998368.6/26



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/9

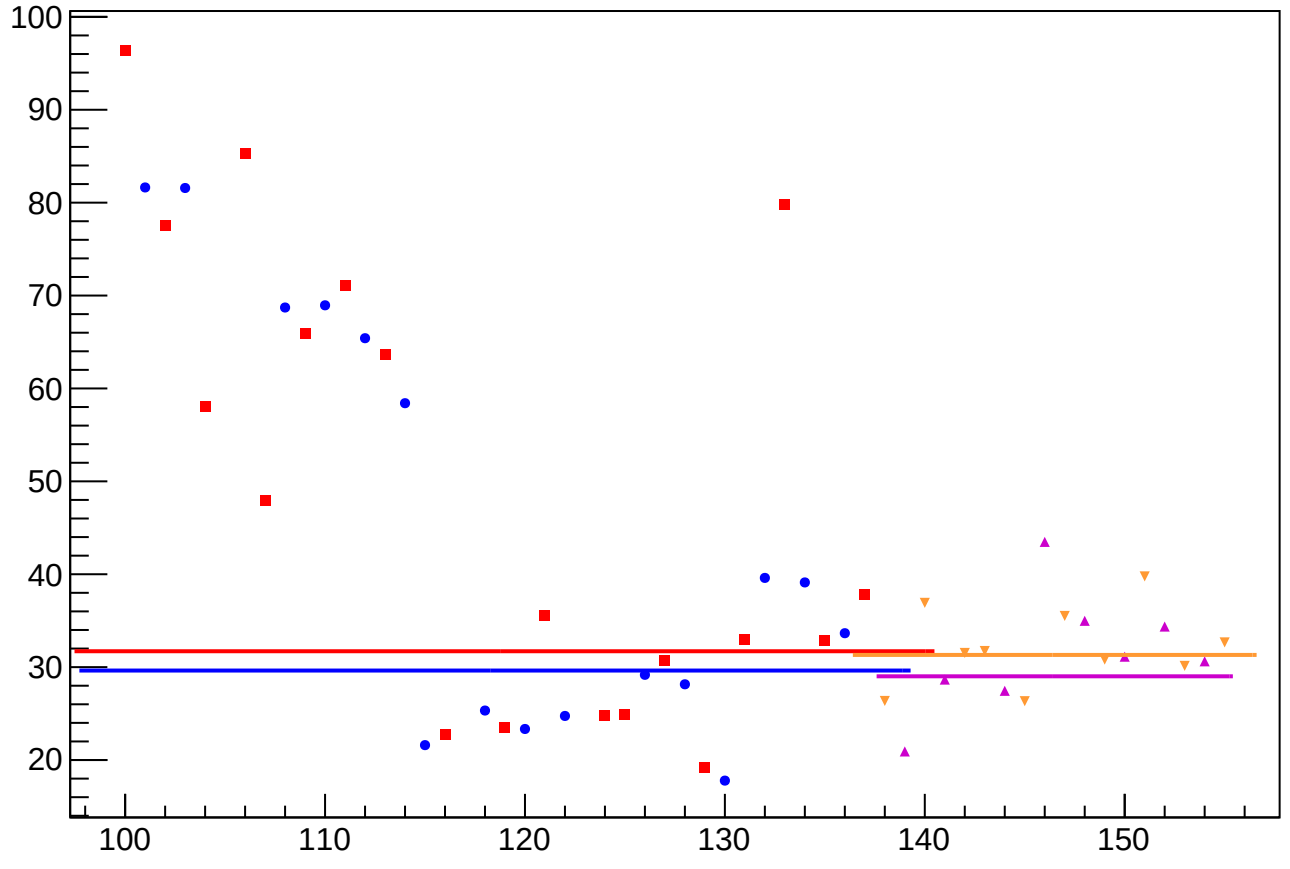
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.008+/-0.011 χ^2/NDF:15.8/7

+ sign 0.011+/-0.008 χ^2/NDF: 31.2/25

All: 0.005+/-0.006 χ^2/NDF: 61.4/52

- sign -0.001+/-0.009 χ^2/NDF: 29.2/26



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.314+/-0.008 χ^2/NDF:238626.8/9

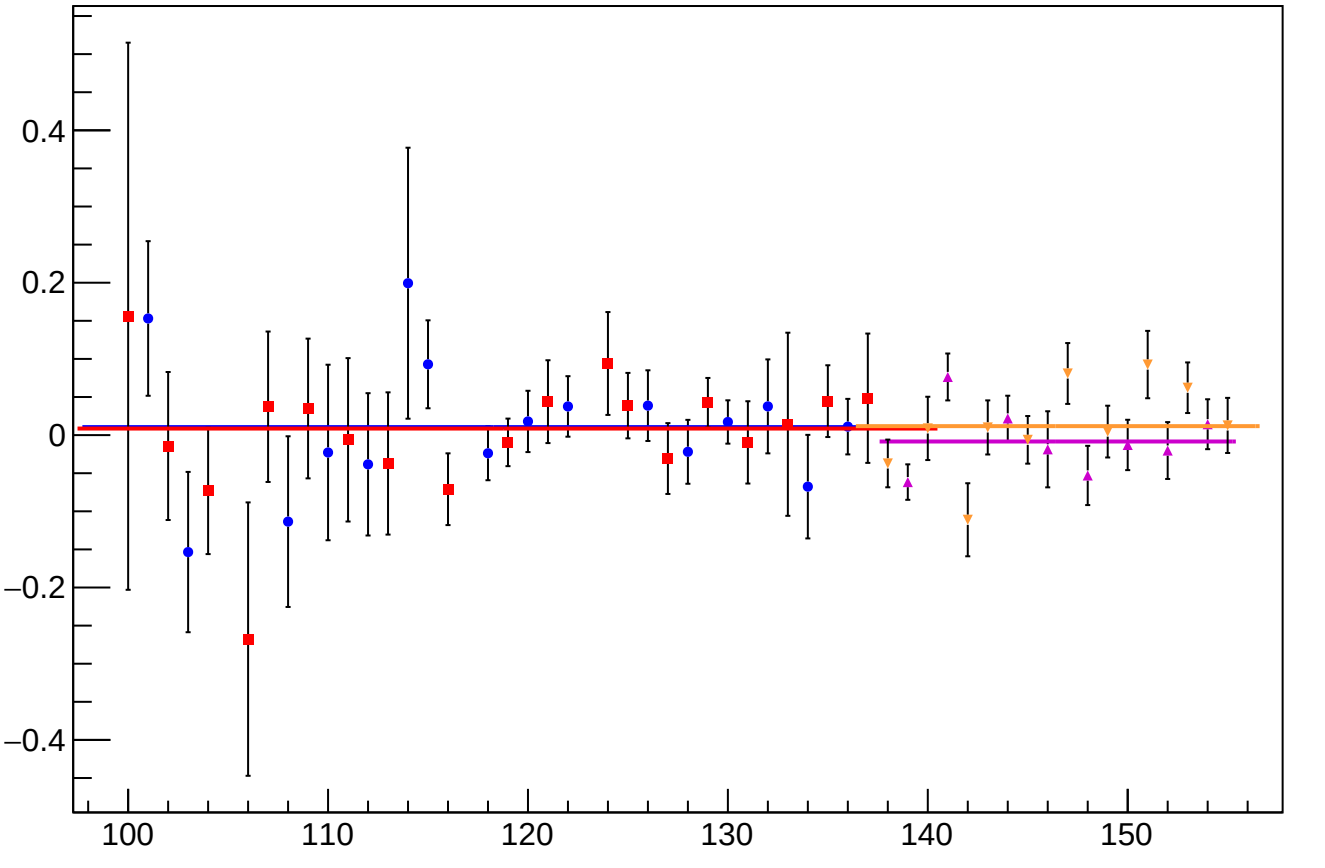
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.013+/-0.008 χ^2/NDF:516647.8/7

\+ sign 30.546+/-0.006 χ^2/NDF: 2706751.1/25

All: 30.359+/-0.004 χ^2/NDF: 5924614.0/52

\- sign 30.165+/-0.006 χ^2/NDF: 3215886.5/26



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/9

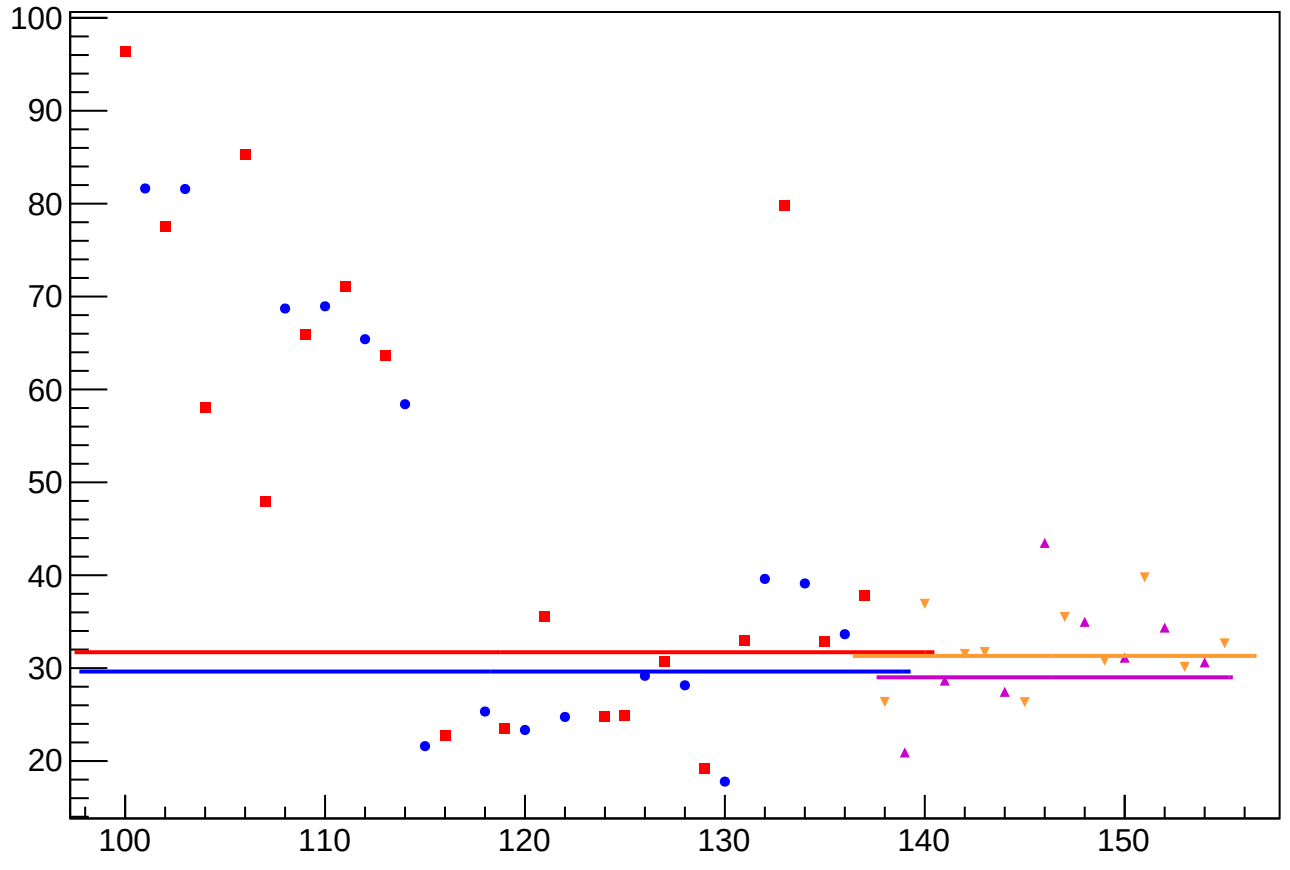
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.008+/-0.011 χ^2/NDF:15.8/7

+ sign 0.011+/-0.008 χ^2/NDF: 31.2/25

All: 0.005+/-0.006 χ^2/NDF: 61.4/52

- sign -0.001+/-0.009 χ^2/NDF: 29.2/26



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.314+/-0.008 χ^2/NDF:238626.8/9

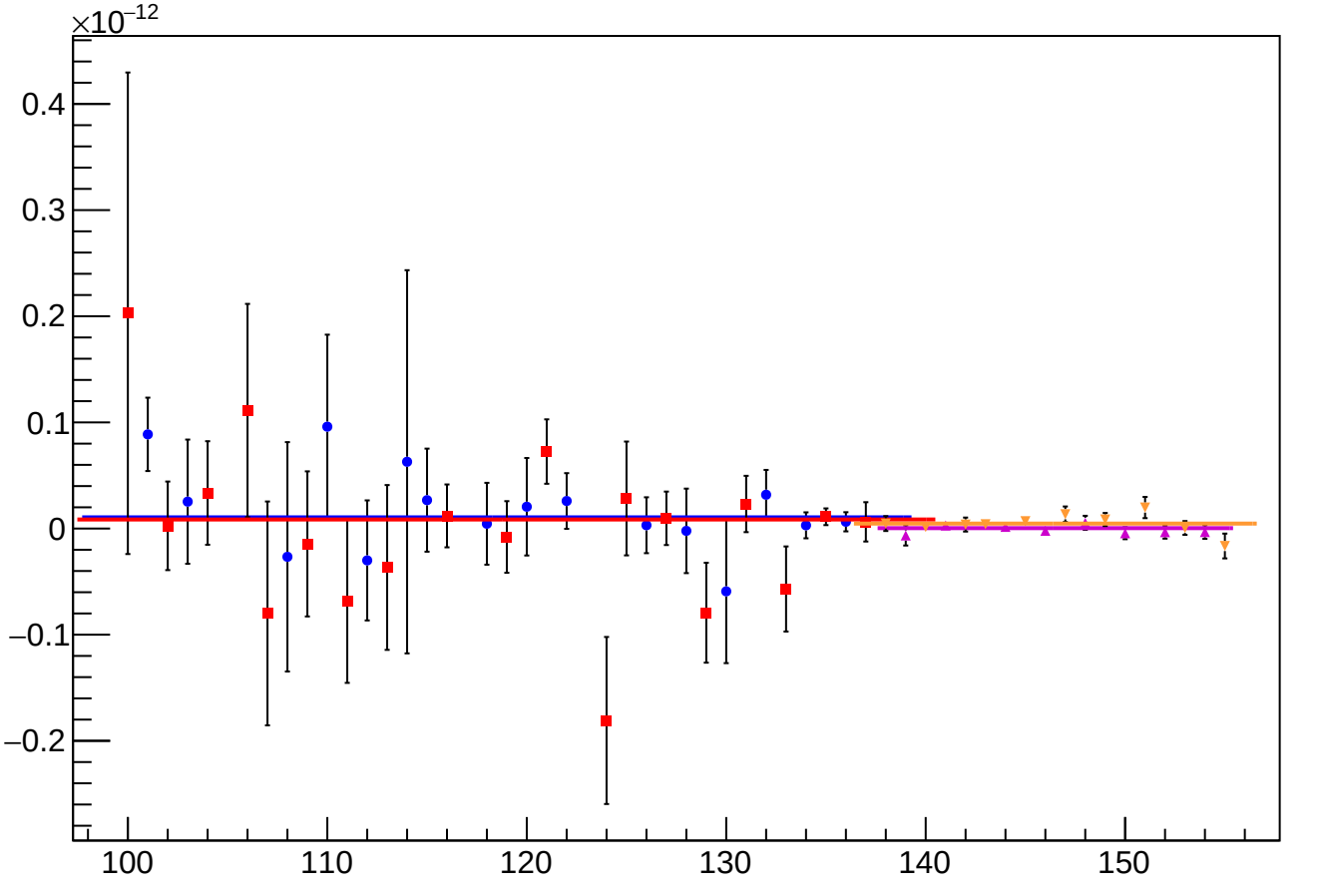
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.013+/-0.008 χ^2/NDF:516647.8/7

+ sign 30.546+/-0.006 χ^2/NDF: 2706751.1/25

All: 30.359+/-0.004 χ^2/NDF: 5924614.0/52

- sign 30.165+/-0.006 χ^2/NDF: 3215886.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.9/9

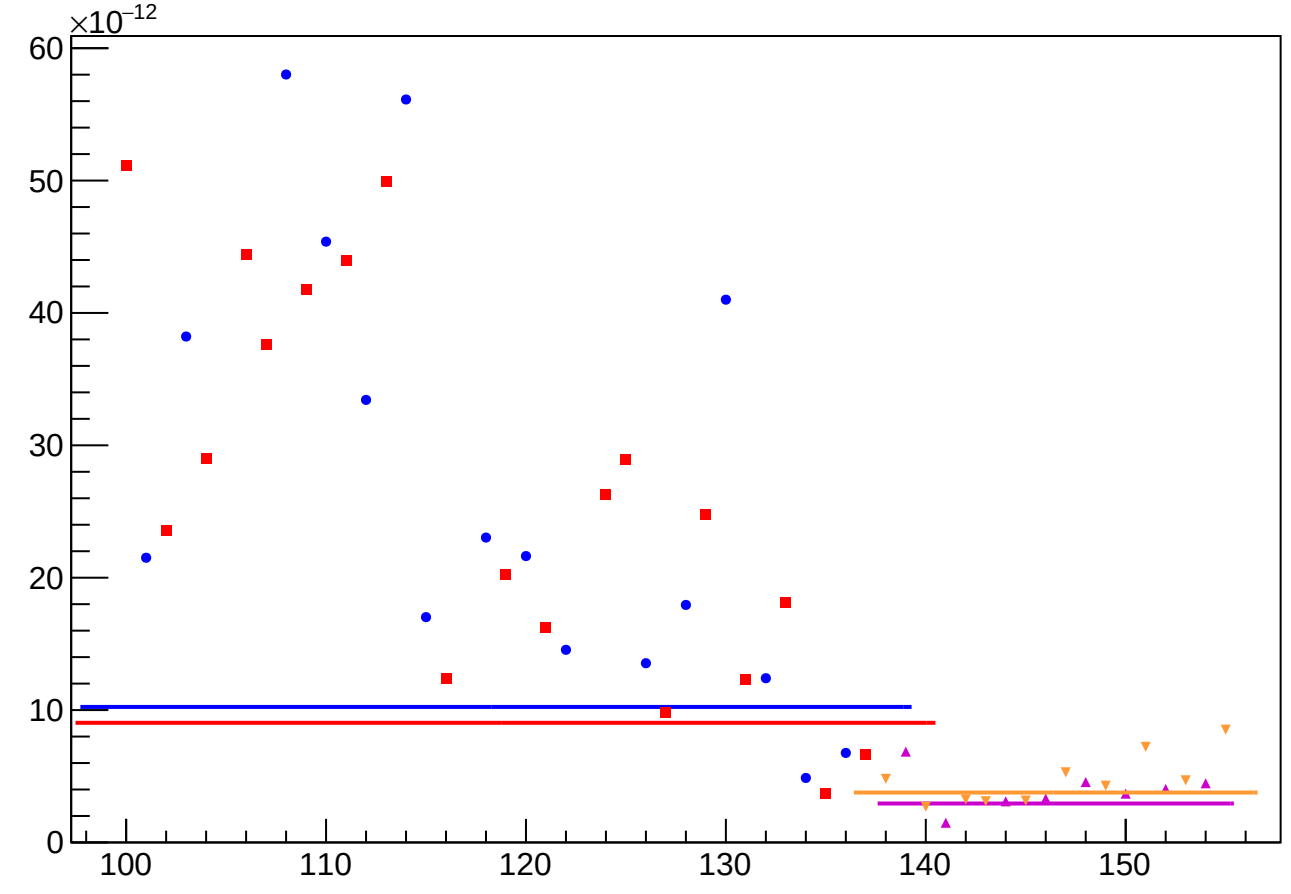
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/7

+ sign 0.000+/-0.000 χ^2/NDF: 19.8/25

All: 0.000+/-0.000 χ^2/NDF: 50.0/52

- sign 0.000+/-0.000 χ^2/NDF: 27.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1012669.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

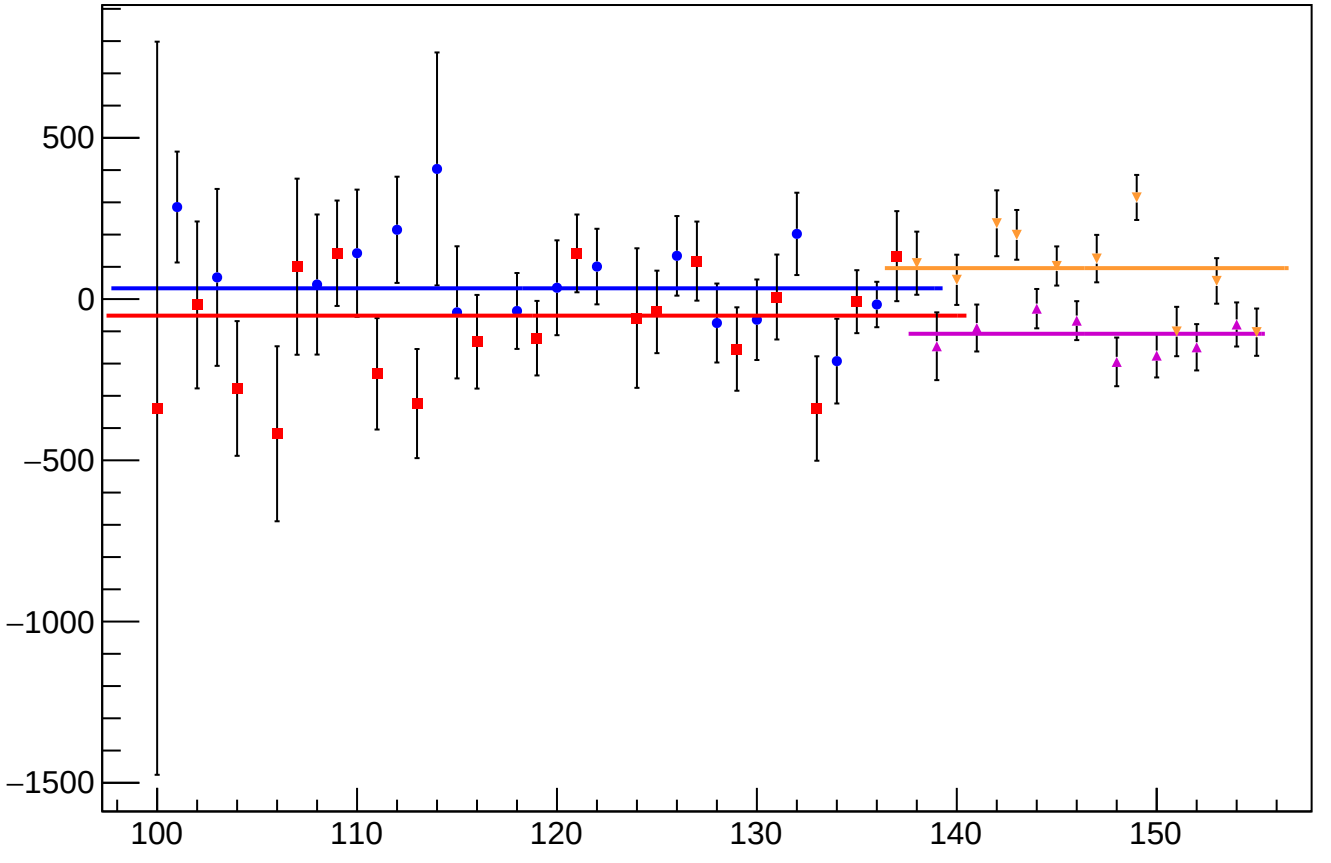
Left In: 0.000+/-0.000 χ^2/NDF:1273135.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 6654812.9/25

All: 0.000+/-0.000 χ^2/NDF: 14718952.7/52

- sign 0.000+/-0.000 χ^2/NDF: 7752925.1/26

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 96.010+/-23.895 χ^2/NDF:28.2/9

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

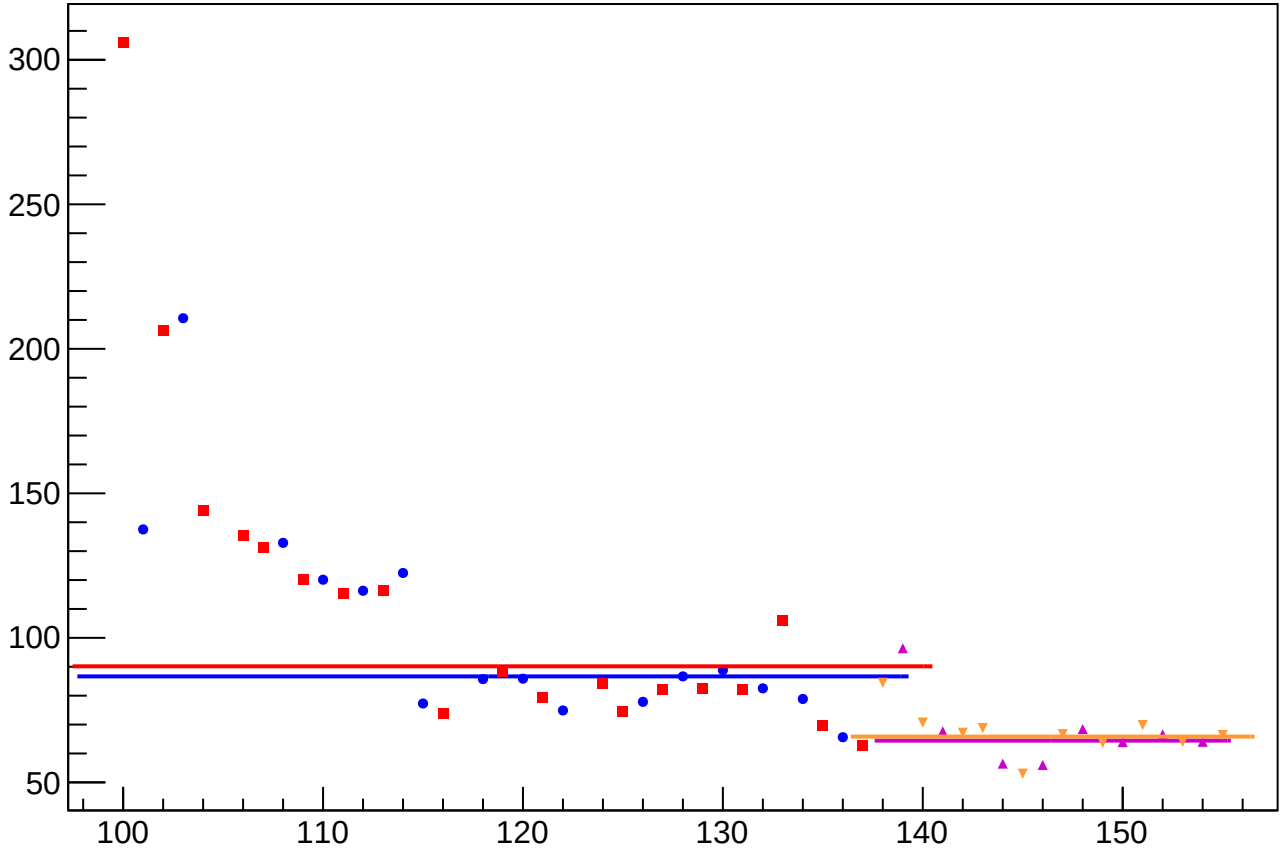
Left In: -107.569+/-24.818 χ^2/NDF:5.1/7

+ sign 75.223+/-19.527 χ^2/NDF: 43.2/25

All: -3.873+/-14.045 χ^2/NDF: 103.7/52

- sign -88.648+/-20.216 χ^2/NDF: 26.4/26

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.847+/-0.017 χ^2/NDF:181767.9/9

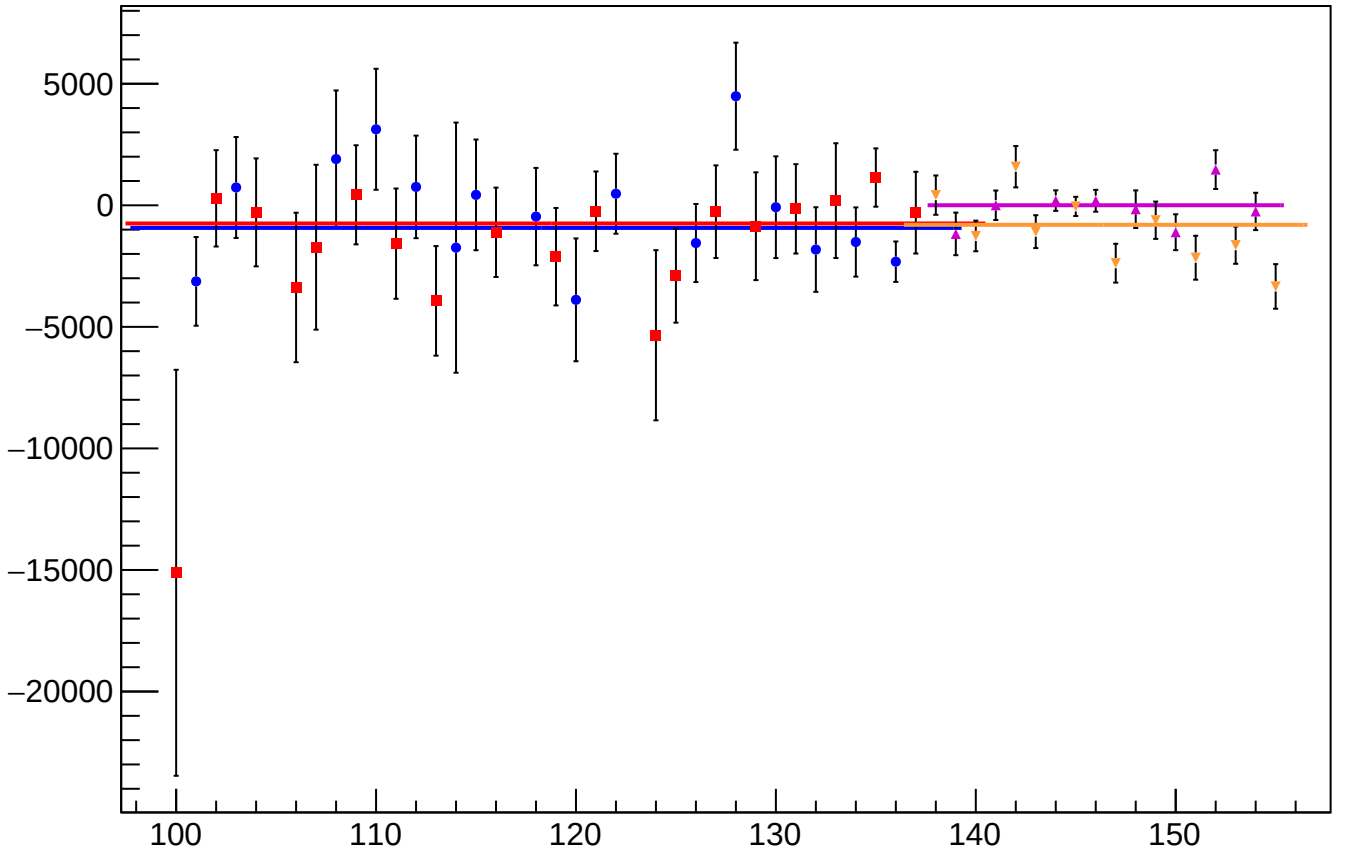
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.443+/-0.018 χ^2/NDF:269264.6/7

+ sign 72.762+/-0.014 χ^2/NDF: 1724932.4/25

All: 72.922+/-0.010 χ^2/NDF: 3866637.4/52

- sign 73.094+/-0.014 χ^2/NDF: 2141426.5/26



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -802.039+/-216.075 χ^2/NDF:29.6/9

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

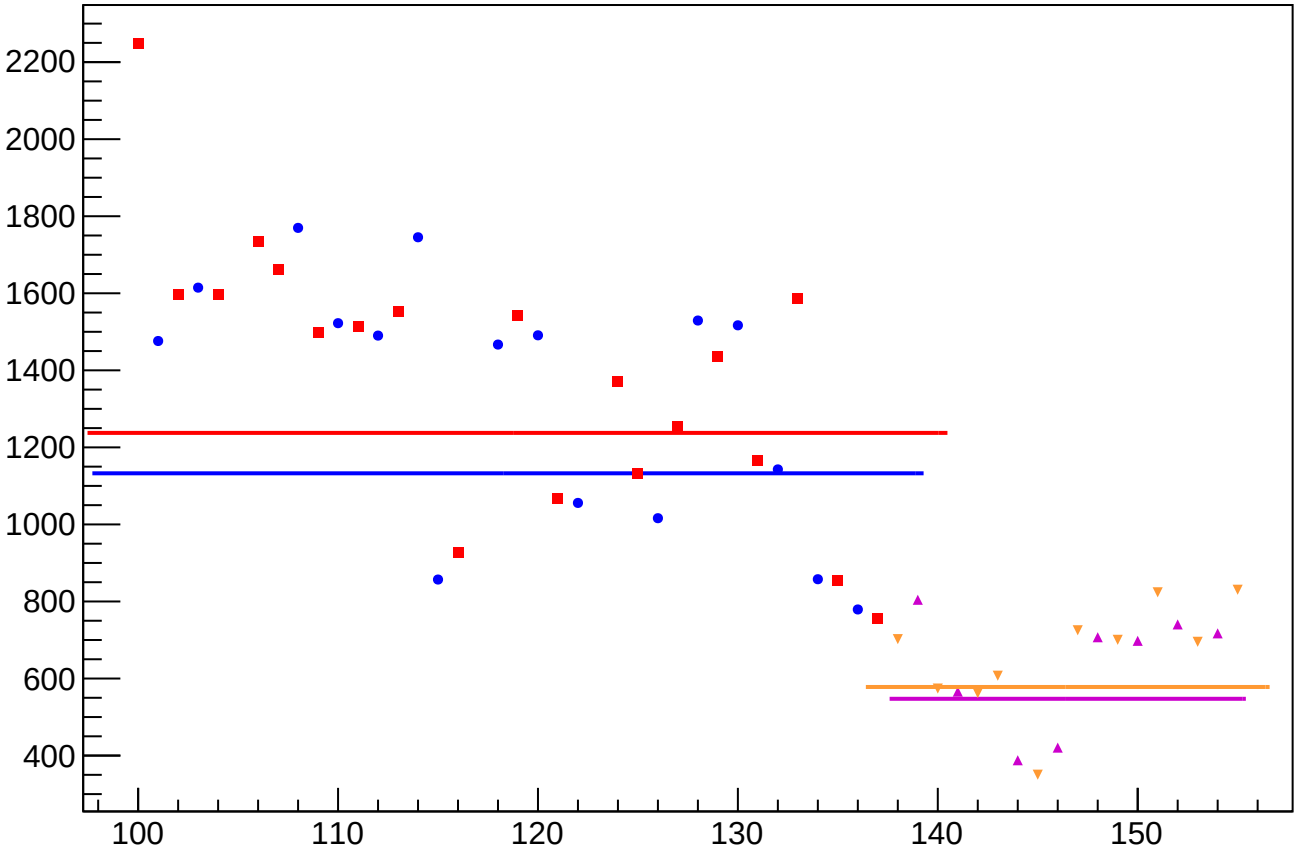
Left In: 2.960+/-216.347 χ^2/NDF:8.0/7

+ sign -826.786+/-194.027 χ^2/NDF: 48.2/25

All: -482.168+/-138.019 χ^2/NDF: 77.7/52

- sign -129.169+/-196.372 χ^2/NDF: 23.1/26

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 578.057+/-0.153 χ^2/NDF:1181711.3/9

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

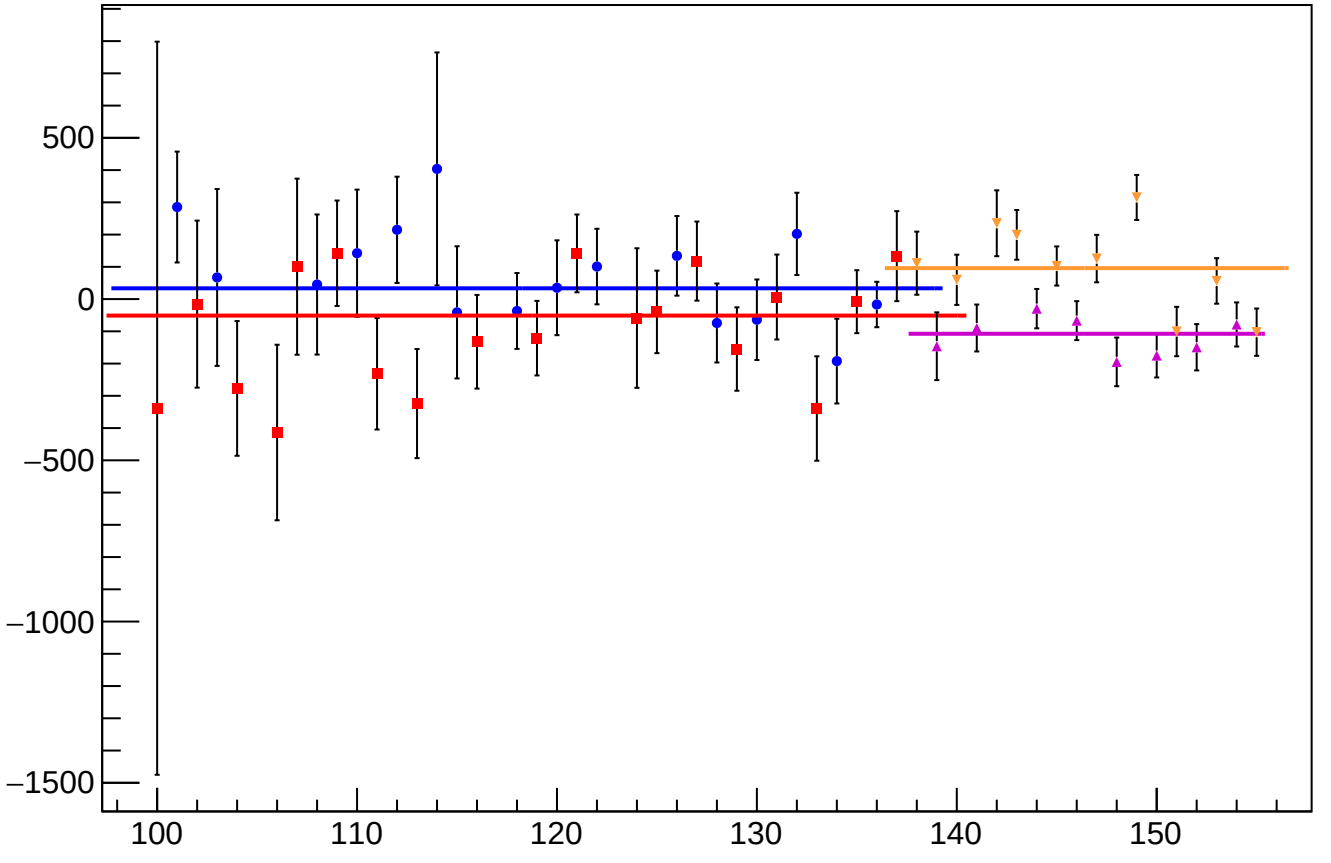
Left In: 547.386+/-0.153 χ^2/NDF:1001933.4/7

+ sign 685.471+/-0.137 χ^2/NDF: 4857894.2/25

All: 677.312+/-0.098 χ^2/NDF: 10347652.5/52

- sign 668.956+/-0.139 χ^2/NDF: 5482600.0/26

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 96.014+/-23.895 χ^2/NDF:28.2/9

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

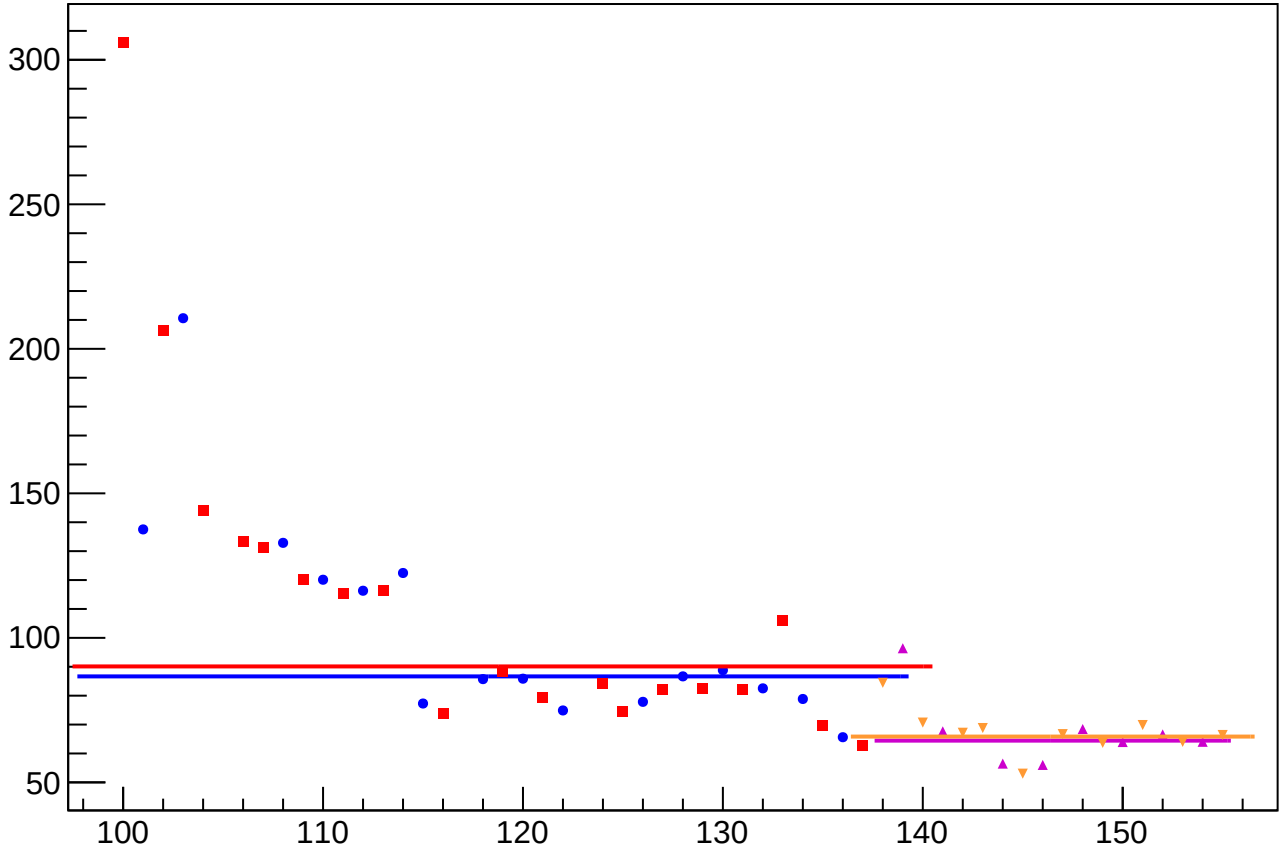
Left In: -107.568+/-24.818 χ^2/NDF:5.1/7

+ sign 75.223+/-19.527 χ^2/NDF: 43.2/25

All: -3.847+/-14.045 χ^2/NDF: 103.6/52

- sign -88.599+/-20.216 χ^2/NDF: 26.4/26

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.847+/-0.017 χ^2/NDF:181767.9/9

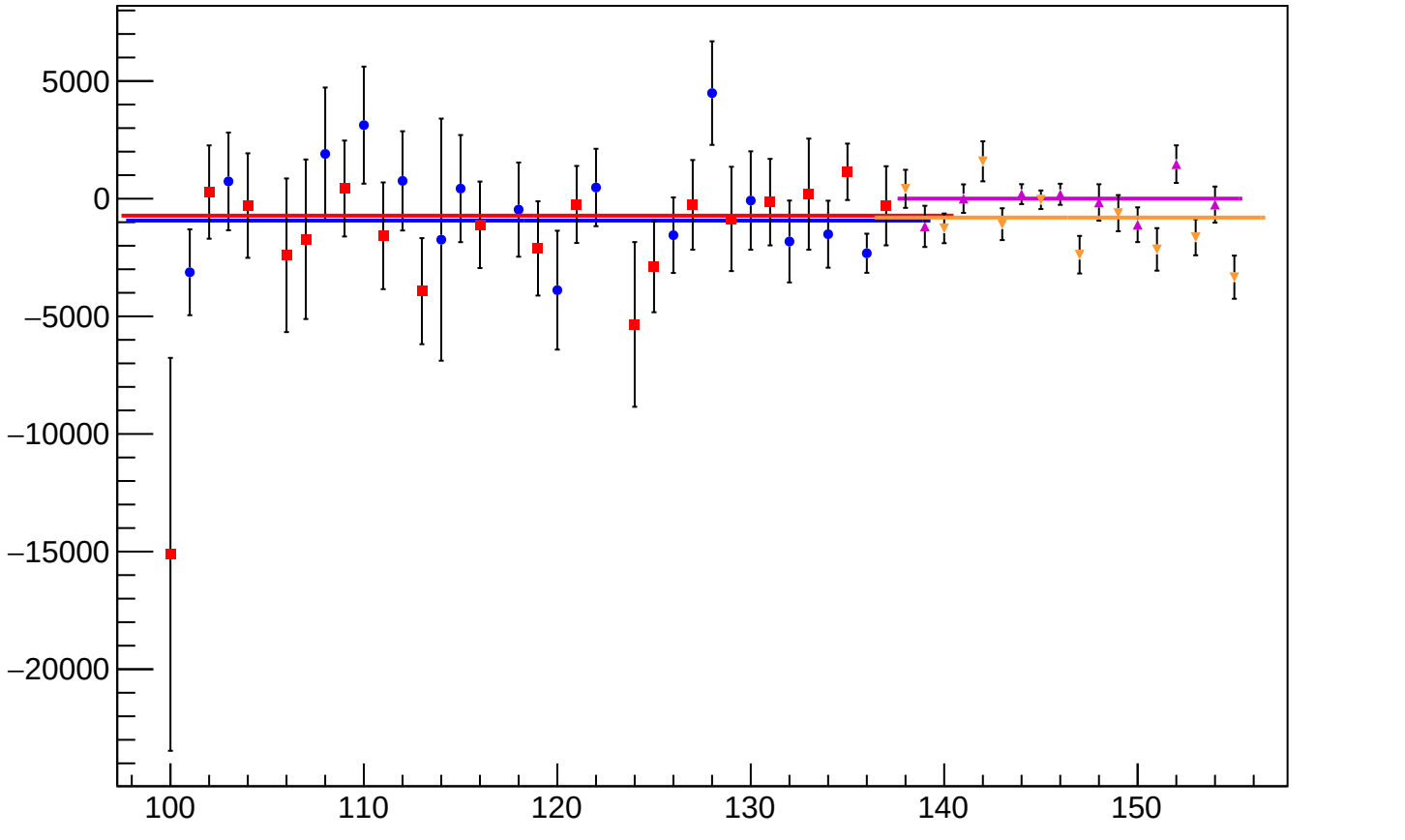
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.443+/-0.018 χ^2/NDF:269264.6/7

+ sign 72.762+/-0.014 χ^2/NDF: 1724934.9/25

All: 72.916+/-0.010 χ^2/NDF: 3859784.3/52

- sign 73.081+/-0.014 χ^2/NDF: 2134592.6/26



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -802.032+/-216.075 χ^2/NDF:29.6/9

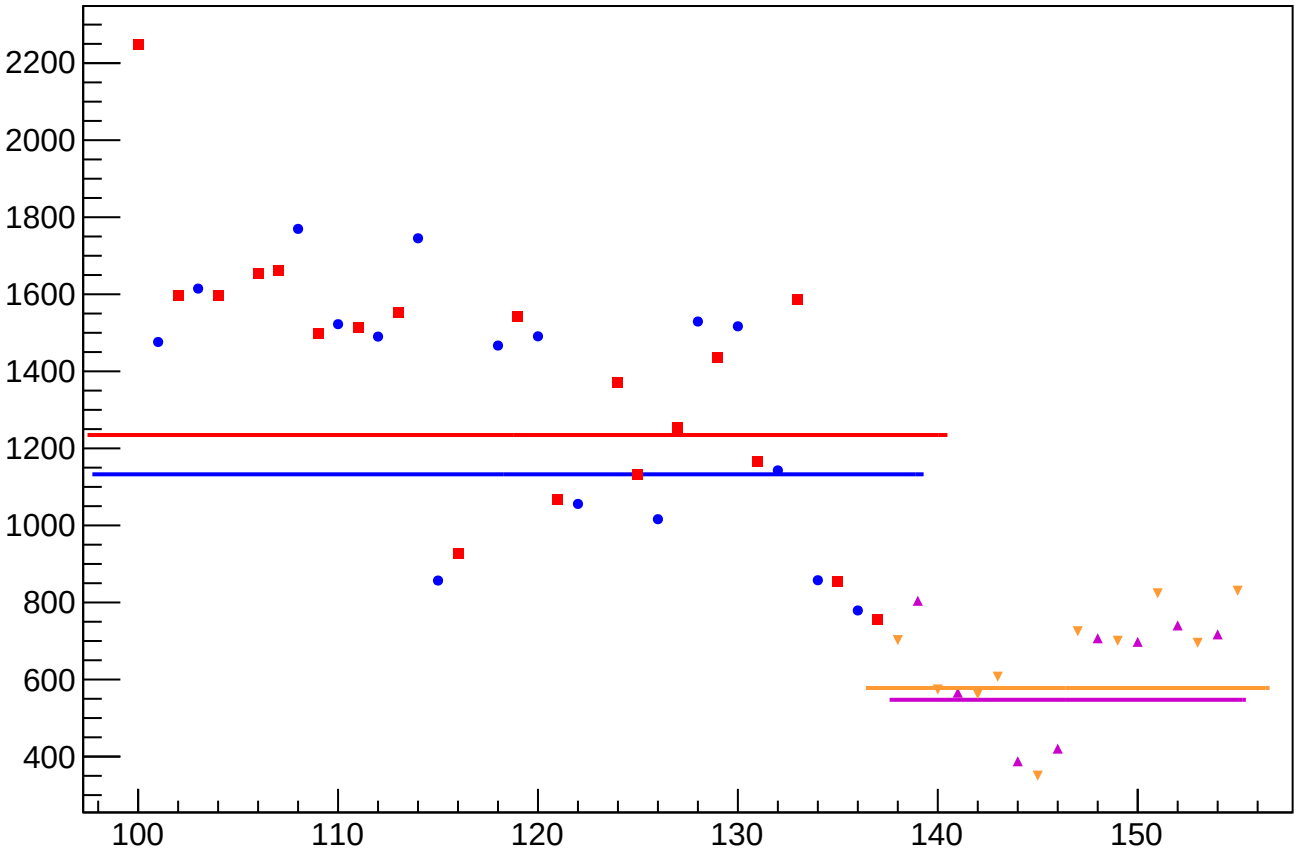
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 2.959+/-216.347 χ^2/NDF:8.0/7

\+ sign -826.774+/-194.027 χ^2/NDF: 48.2/25

All: -479.791+/-138.036 χ^2/NDF: 77.1/52

\- sign -124.200+/-196.419 χ^2/NDF: 22.5/26



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 578.057+/-0.153 χ^2/NDF:1181713.6/9

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

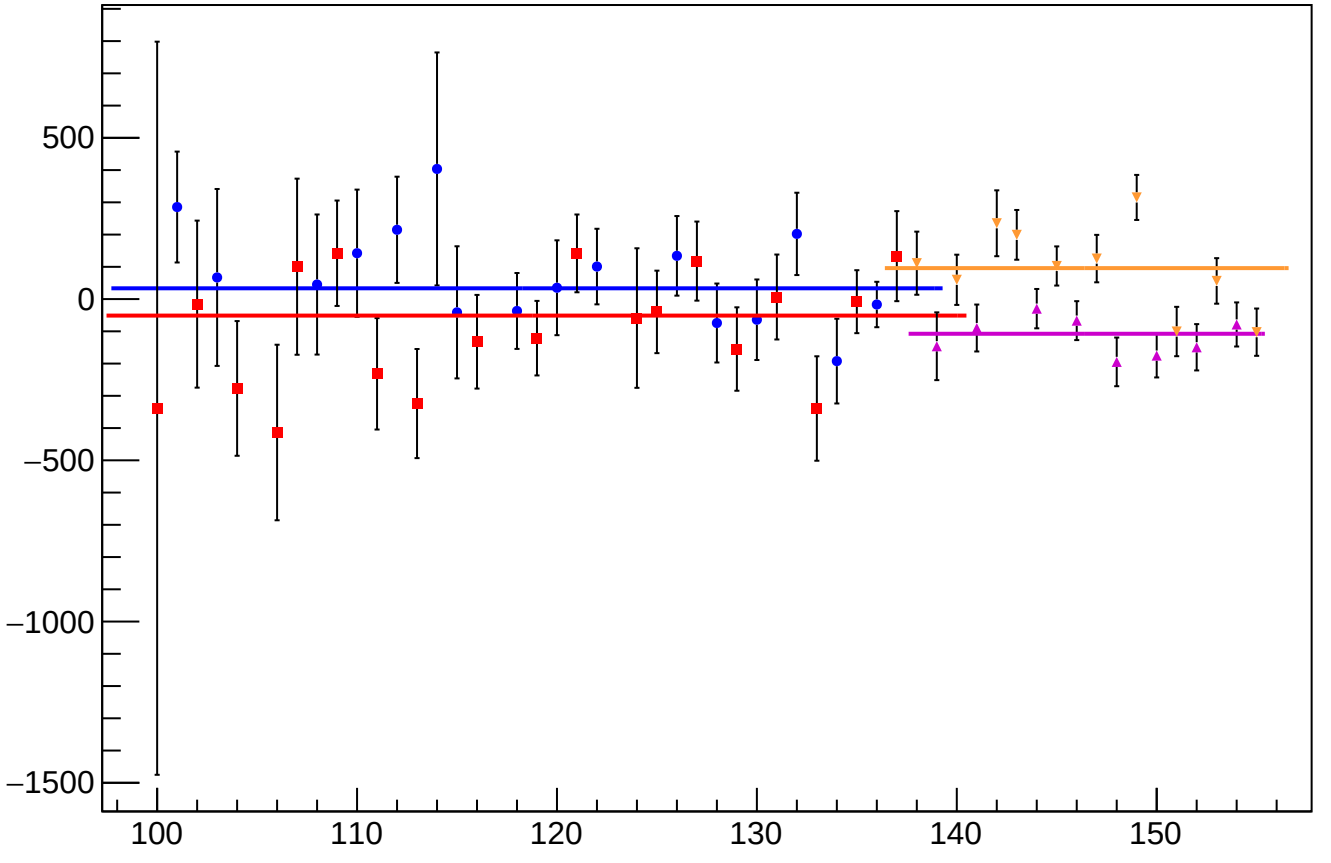
Left In: 547.386+/-0.153 χ^2/NDF:1001934.5/7

+ sign 685.470+/-0.137 χ^2/NDF: 4857937.0/25

All: 676.929+/-0.098 χ^2/NDF: 10291490.3/52

- sign 668.176+/-0.139 χ^2/NDF: 5425706.3/26

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 96.014+/-23.895 χ^2/NDF:28.2/9

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

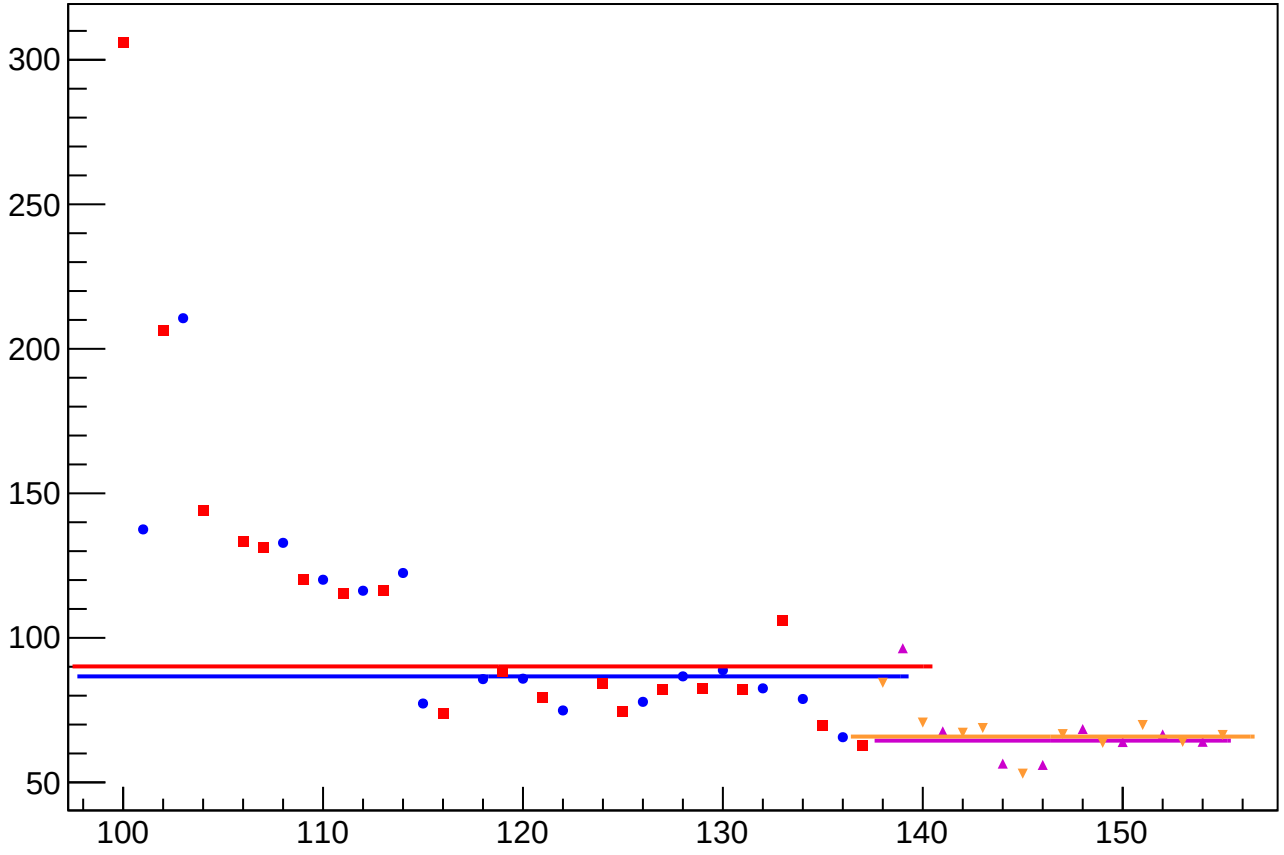
Left In: -107.568+/-24.818 χ^2/NDF:5.1/7

+ sign 75.223+/-19.527 χ^2/NDF: 43.2/25

All: -3.847+/-14.045 χ^2/NDF: 103.6/52

- sign -88.599+/-20.216 χ^2/NDF: 26.4/26

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.847+/-0.017 χ^2/NDF:181767.9/9

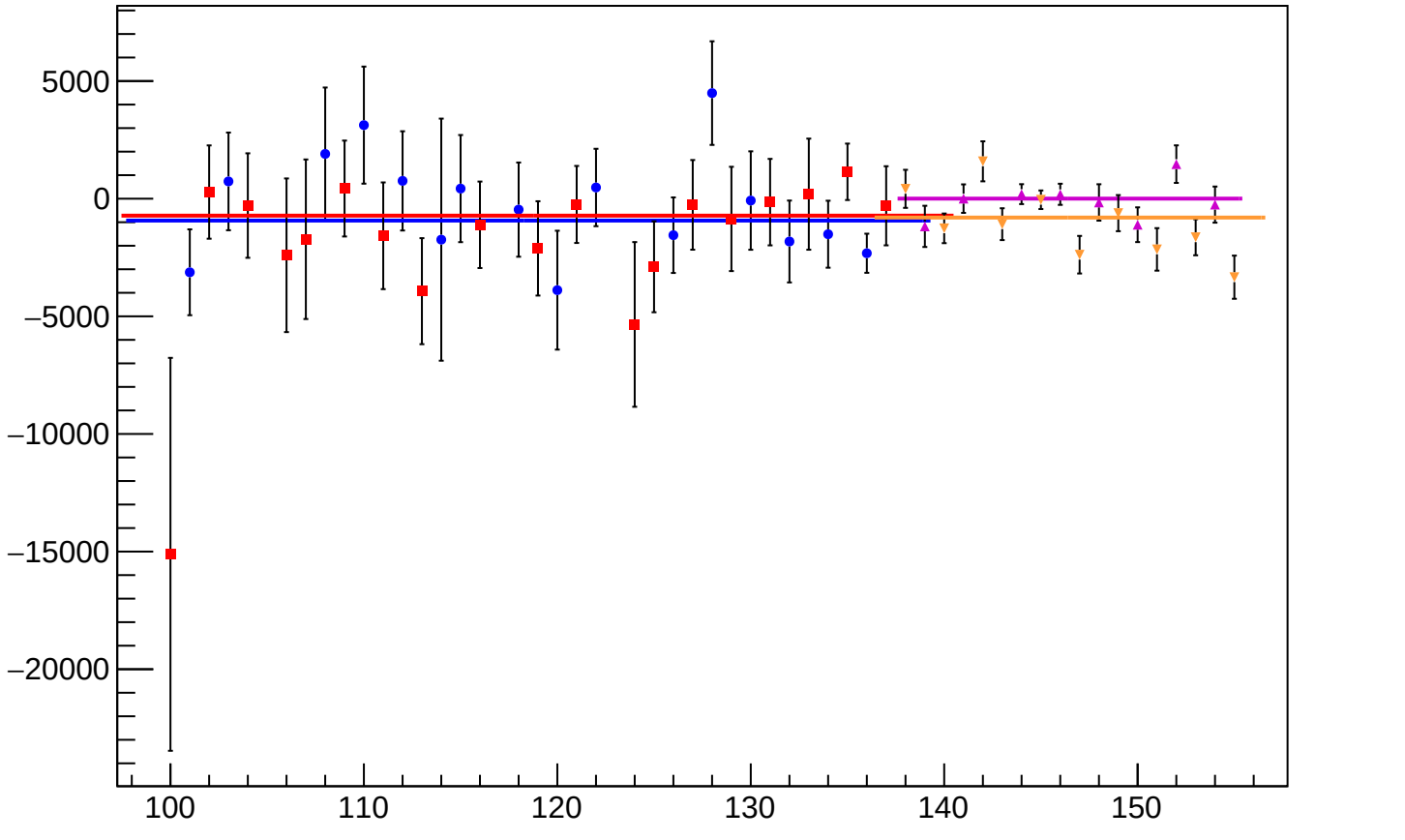
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.443+/-0.018 χ^2/NDF:269264.6/7

+ sign 72.762+/-0.014 χ^2/NDF: 1724934.9/25

All: 72.916+/-0.010 χ^2/NDF: 3859784.3/52

- sign 73.081+/-0.014 χ^2/NDF: 2134592.6/26



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -802.032+/-216.075 χ^2/NDF:29.6/9

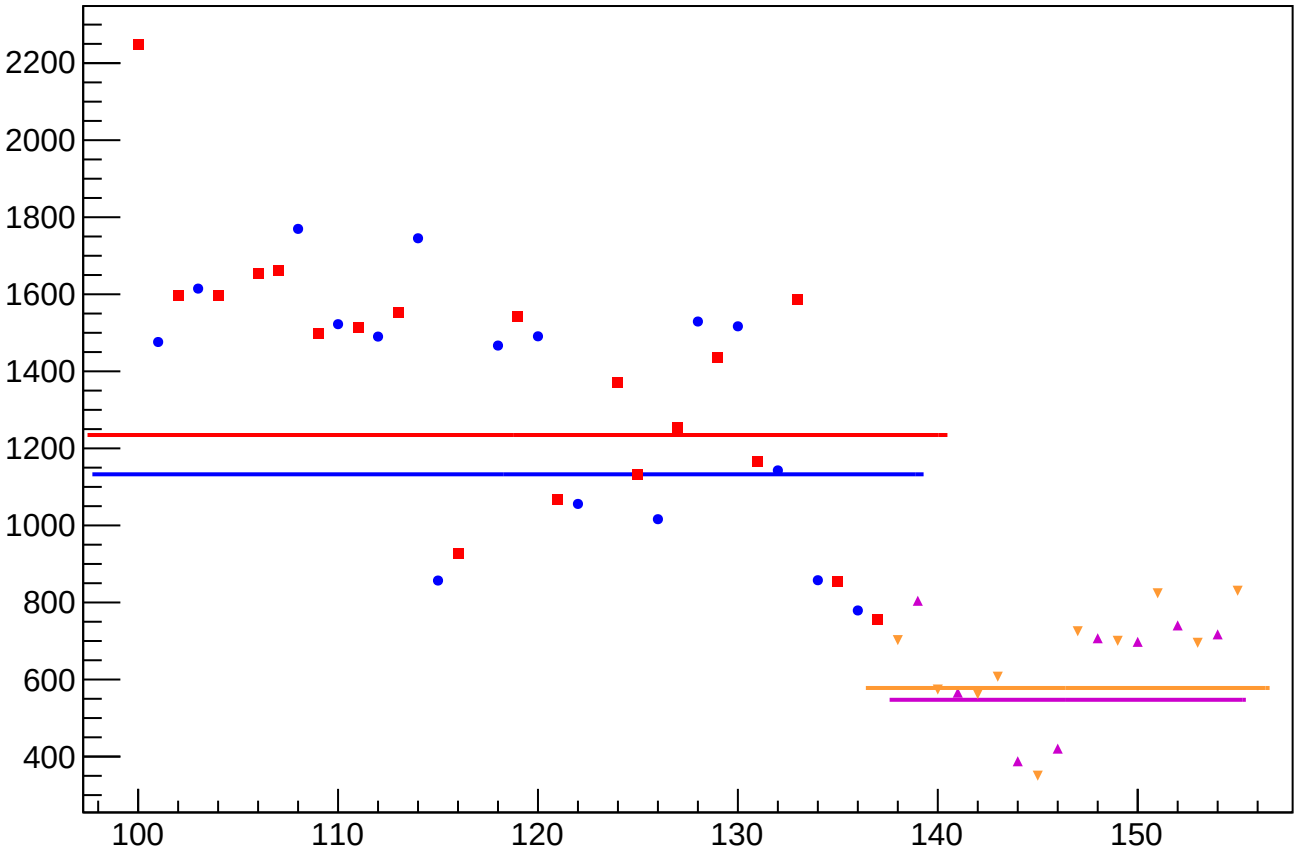
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 2.959+/-216.347 χ^2/NDF:8.0/7

+ sign -826.774+/-194.027 χ^2/NDF: 48.2/25

All: -479.791+/-138.036 χ^2/NDF: 77.1/52

- sign -124.200+/-196.419 χ^2/NDF: 22.5/26



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 578.057+/-0.153 χ^2/NDF:1181713.6/9

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

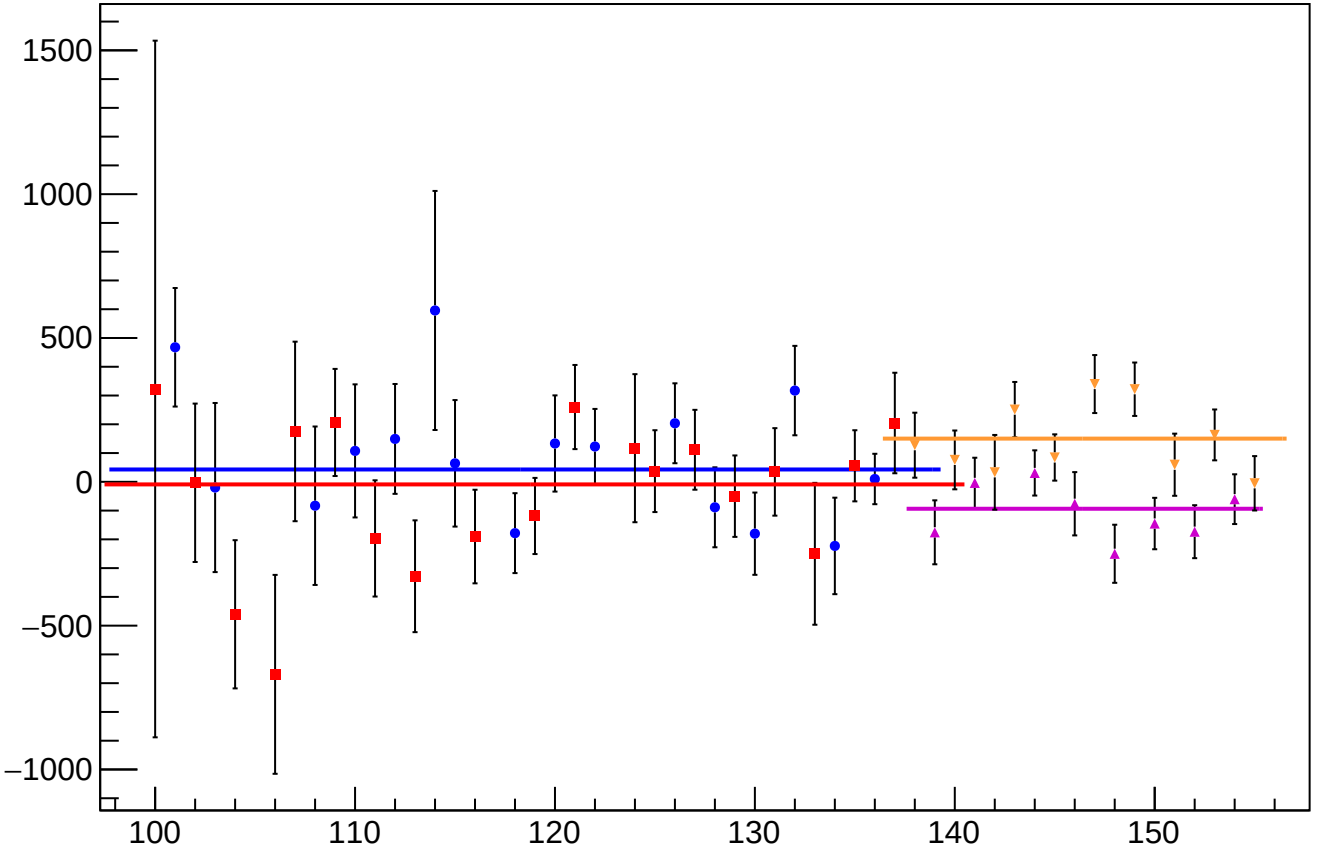
Left In: 547.386+/-0.153 χ^2/NDF:1001934.5/7

+ sign 685.470+/-0.137 χ^2/NDF: 4857937.0/25

All: 676.929+/-0.098 χ^2/NDF: 10291490.3/52

- sign 668.176+/-0.139 χ^2/NDF: 5425706.3/26

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 150.217+/-31.073 χ^2/NDF:13.5/9

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

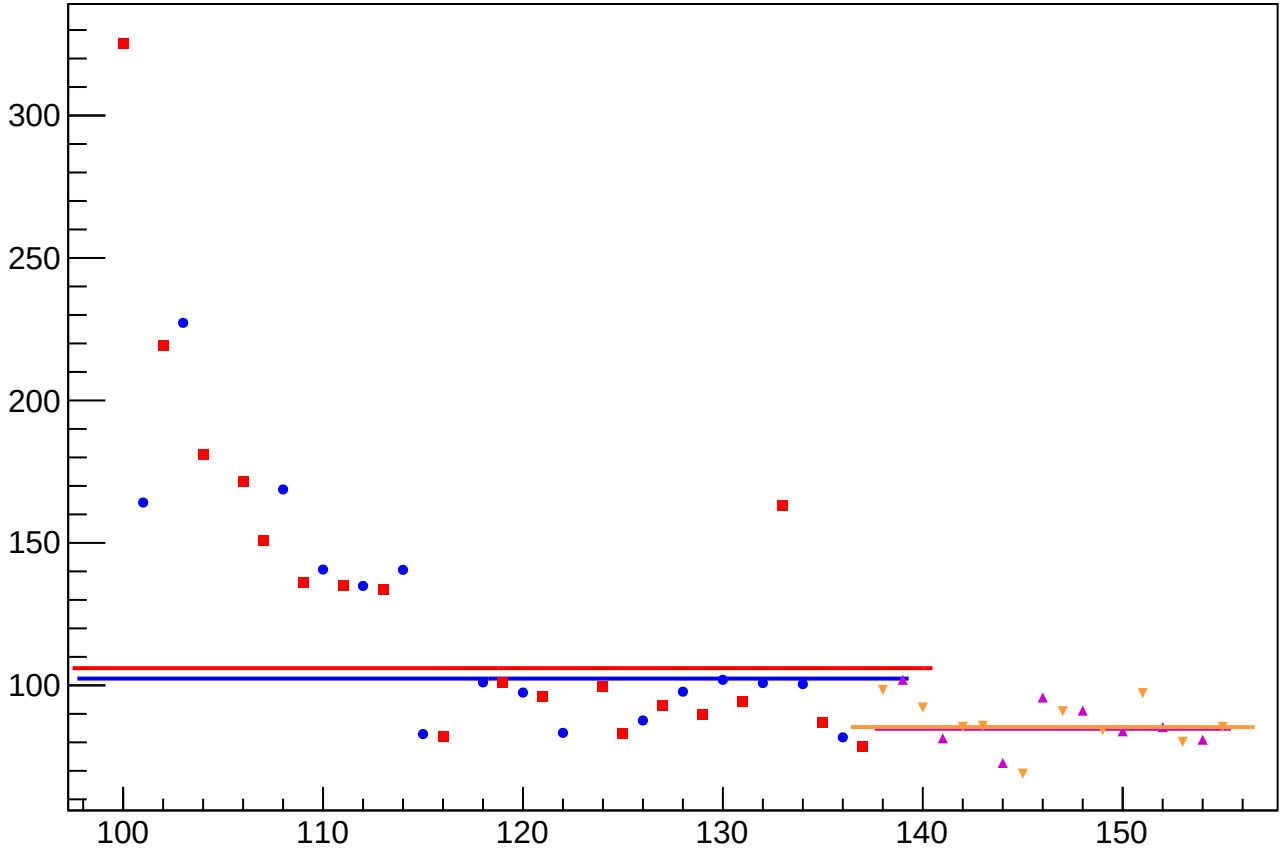
Left In: -93.643+/-32.775 χ^2/NDF:7.8/7

+ sign 109.768+/-24.527 χ^2/NDF: 38.3/25

All: 28.233+/-17.715 χ^2/NDF: 93.1/52

- sign -60.697+/-25.615 χ^2/NDF: 31.7/26

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 85.359+/-0.022 χ^2/NDF:155800.9/9

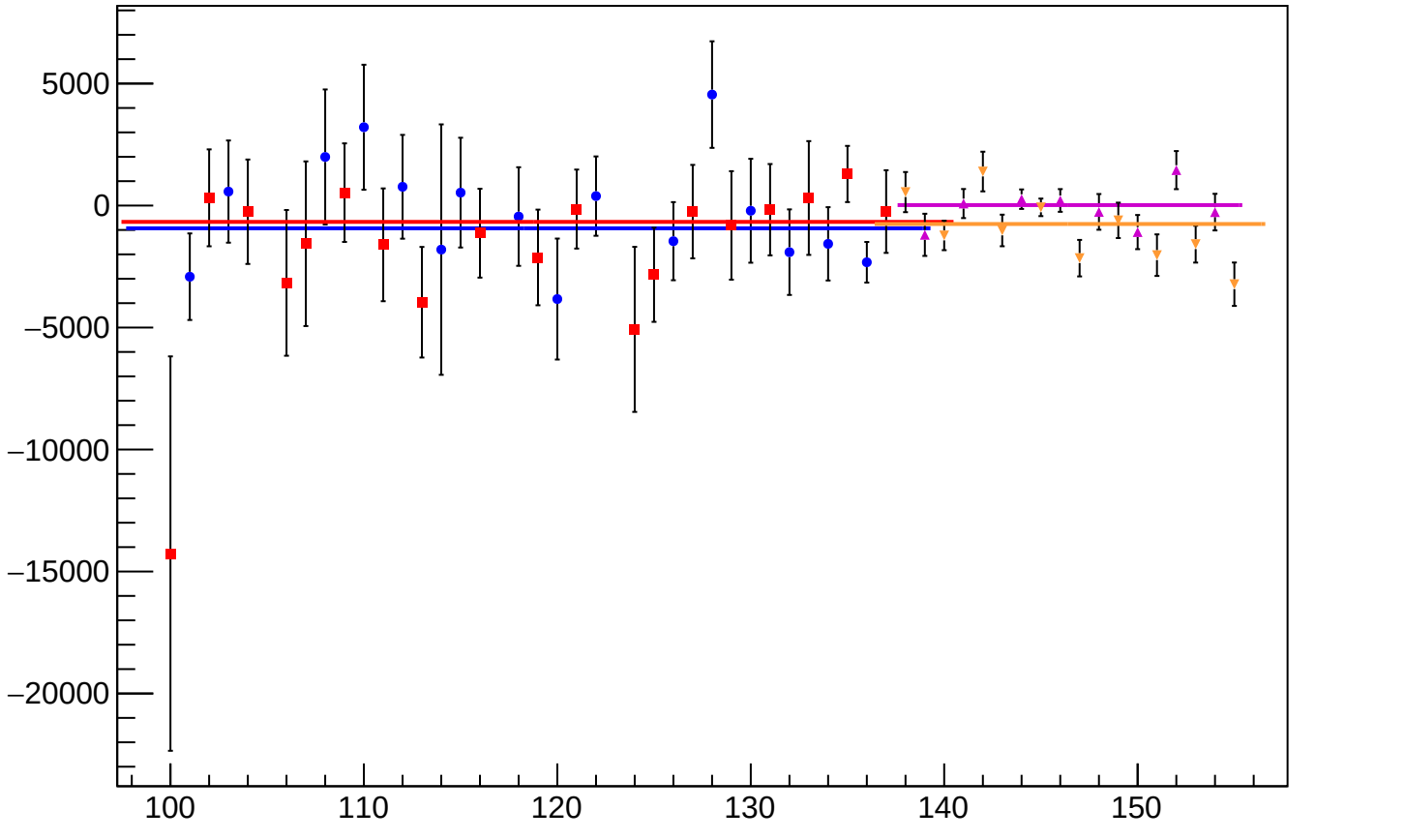
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 84.762+/-0.023 χ^2/NDF:129339.7/7

+ sign 91.775+/-0.017 χ^2/NDF: 1364286.2/25

All: 92.380+/-0.013 χ^2/NDF: 3015316.6/52

- sign 93.040+/-0.018 χ^2/NDF: 1648484.9/26



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -755.458+/-204.280 χ^2/NDF:28.6/9

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

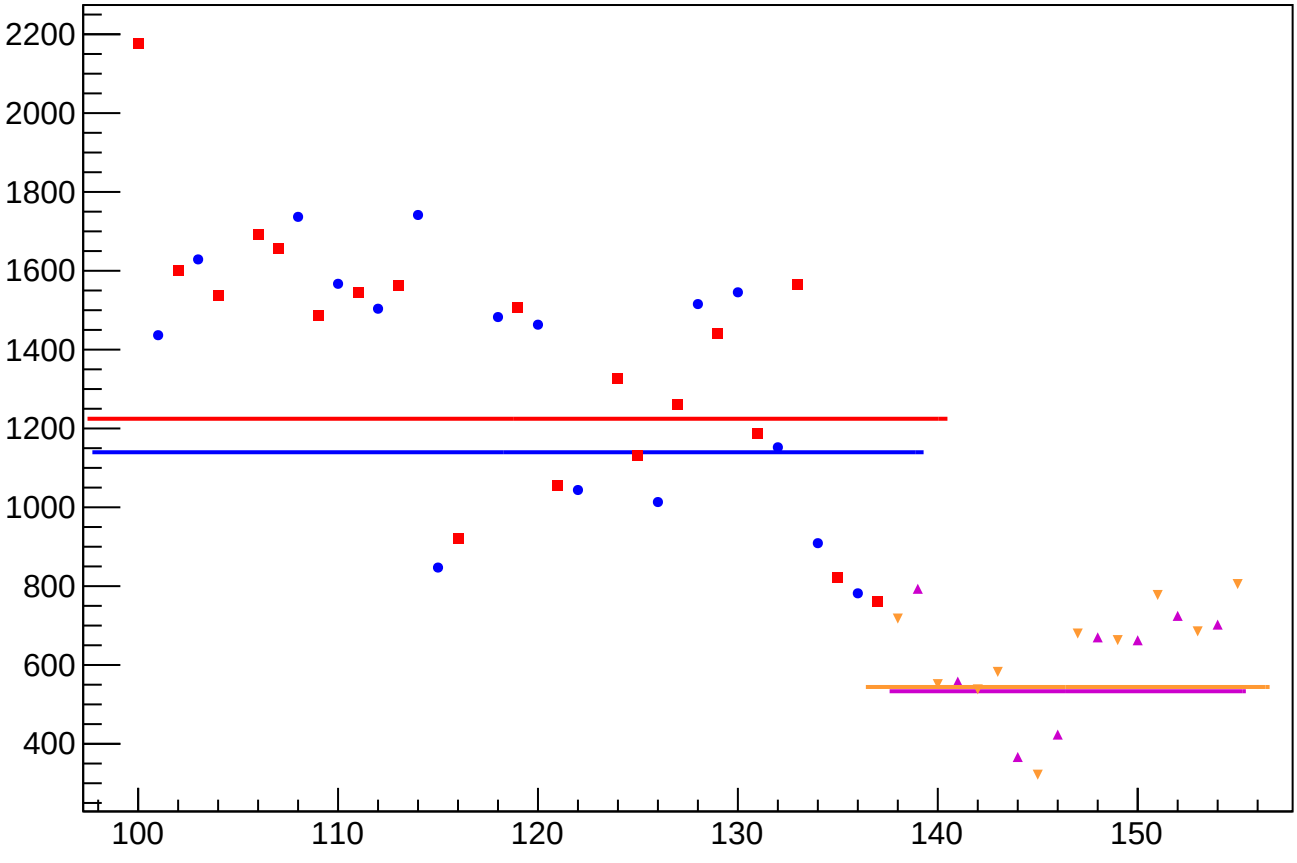
Left In: 19.999+/-211.514 χ^2/NDF:8.7/7

+ sign -786.514+/-185.486 χ^2/NDF: 47.2/25

All: -455.239+/-133.537 χ^2/NDF: 77.8/52

- sign -98.792+/-192.404 χ^2/NDF: 24.0/26

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 544.199+/-0.144 χ^2/NDF:1375886.6/9

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

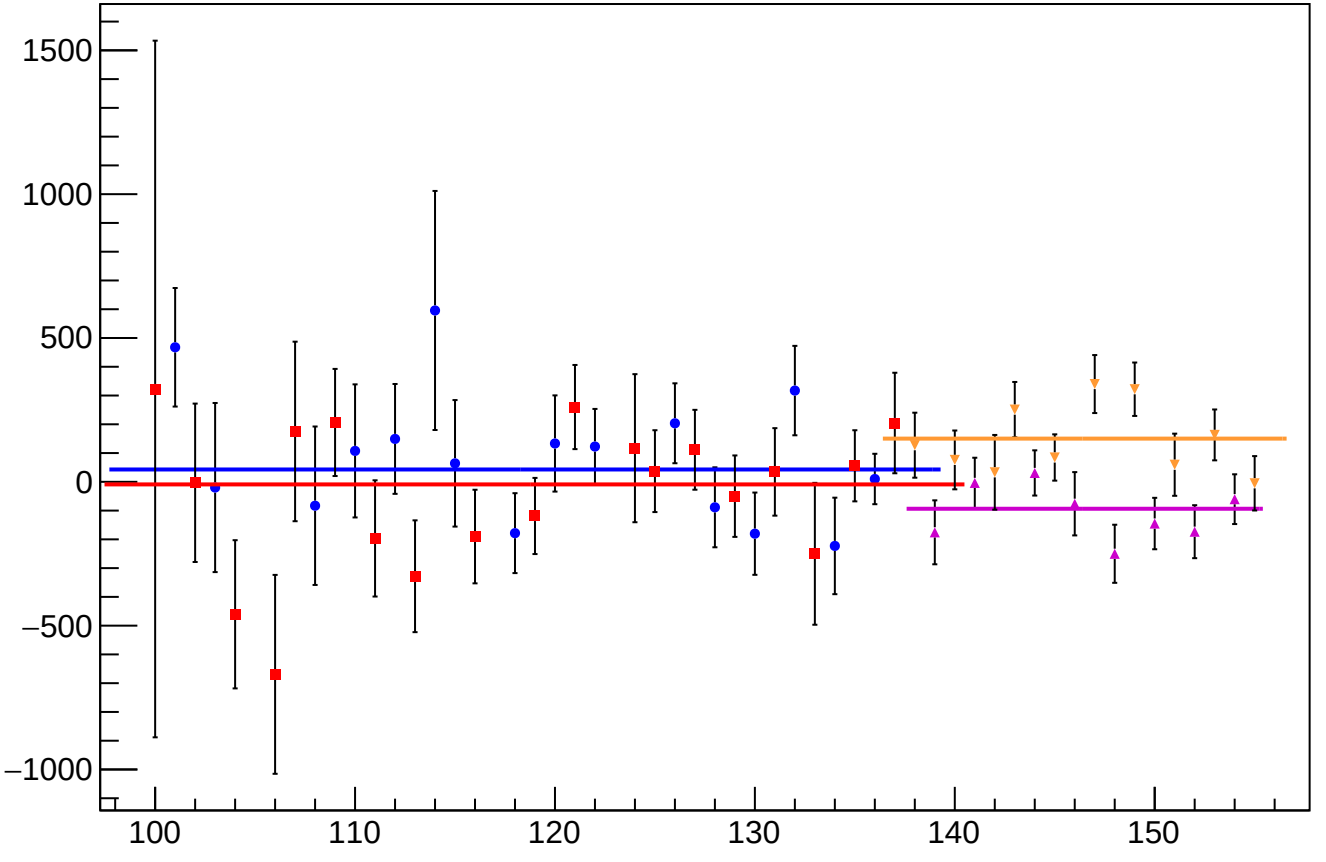
Left In: 533.363+/-0.150 χ^2/NDF:1003450.5/7

+ sign 648.721+/-0.131 χ^2/NDF: 5452200.6/25

All: 650.604+/-0.094 χ^2/NDF: 11064174.1/52

- sign 652.629+/-0.136 χ^2/NDF: 5611545.9/26

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 150.217+/-31.073 χ^2/NDF:13.5/9

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

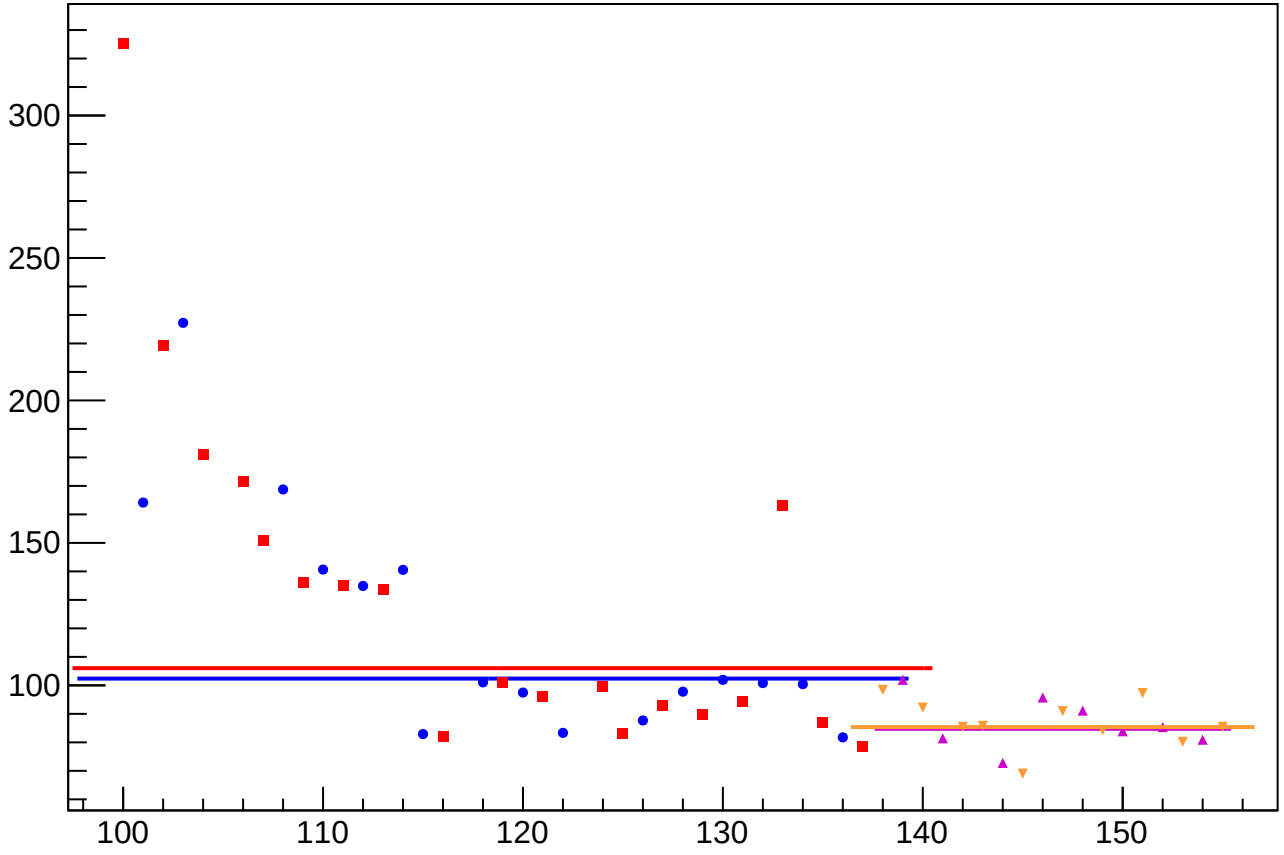
Left In: -93.643+/-32.775 χ^2/NDF:7.8/7

+ sign 109.768+/-24.527 χ^2/NDF: 38.3/25

All: 28.234+/-17.715 χ^2/NDF: 93.1/52

- sign -60.696+/-25.615 χ^2/NDF: 31.7/26

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 85.360+/-0.022 χ^2/NDF:155793.3/9

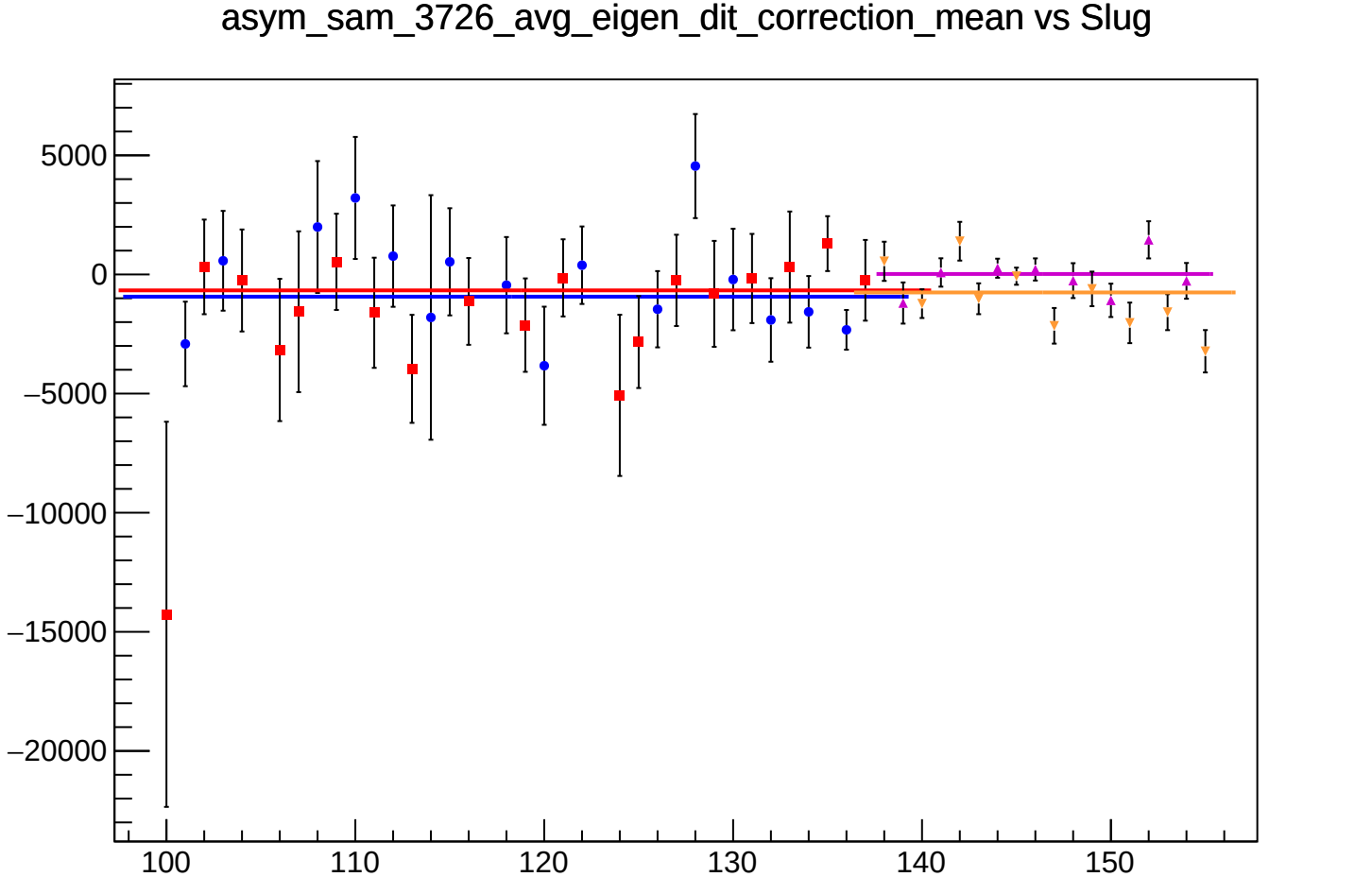
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 84.762+/-0.023 χ^2/NDF:129337.6/7

\+ sign 91.775+/-0.017 χ^2/NDF: 1364256.5/25

All: 92.380+/-0.013 χ^2/NDF: 3015271.0/52

\- sign 93.040+/-0.018 χ^2/NDF: 1648468.9/26



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -755.458+/-204.279 χ^2/NDF:28.6/9

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

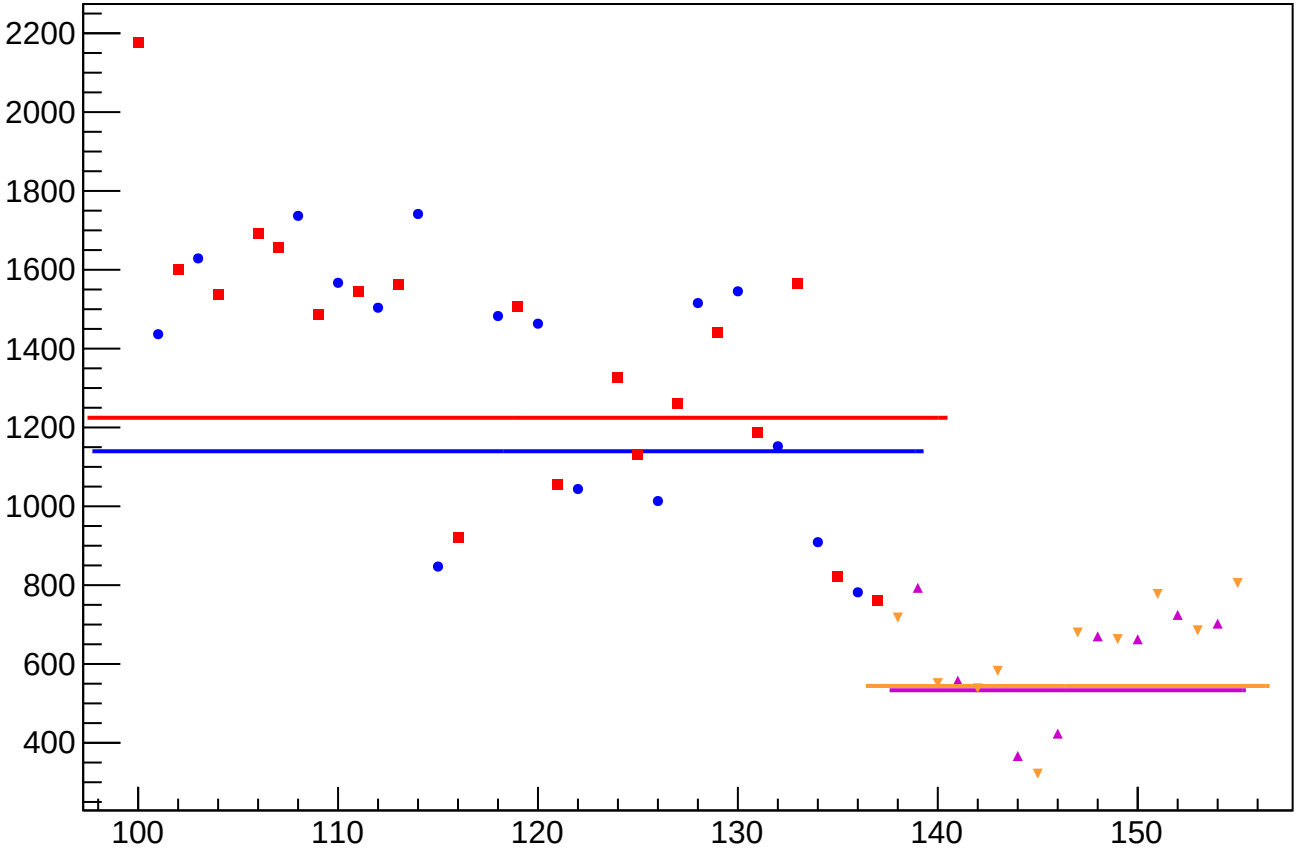
Left In: 19.999+/-211.513 χ^2/NDF:8.7/7

+ sign -786.513+/-185.486 χ^2/NDF: 47.2/25

All: -455.238+/-133.537 χ^2/NDF: 77.8/52

- sign -98.793+/-192.404 χ^2/NDF: 24.0/26

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 544.198+/-0.144 χ^2/NDF:1375903.5/9

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

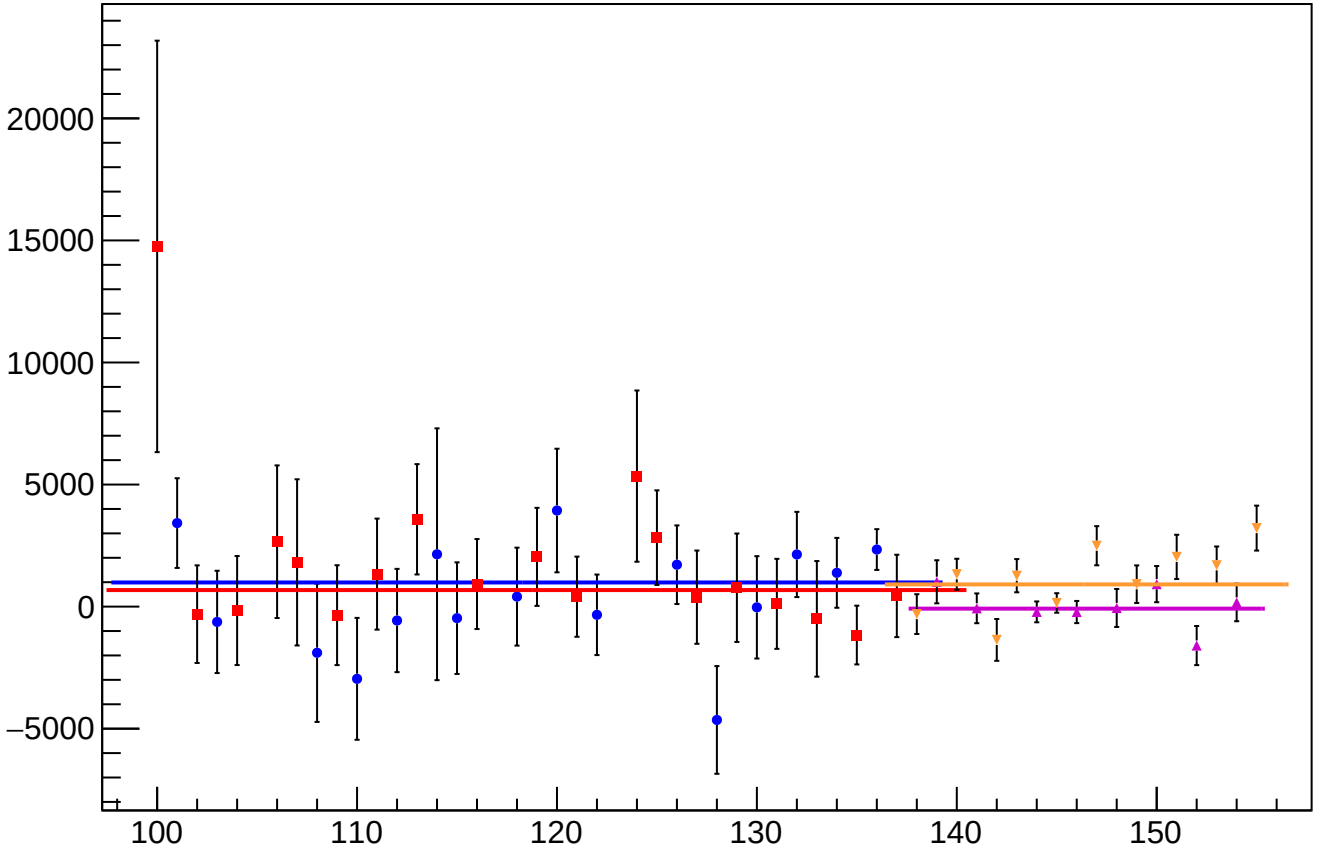
Left In: 533.362+/-0.150 χ^2/NDF:1003455.1/7

+ sign 648.720+/-0.131 χ^2/NDF: 5452216.2/25

All: 650.603+/-0.094 χ^2/NDF: 11064186.1/52

- sign 652.629+/-0.136 χ^2/NDF: 5611542.1/26

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 910.309+/-217.764 χ^2/NDF:26.4/9

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

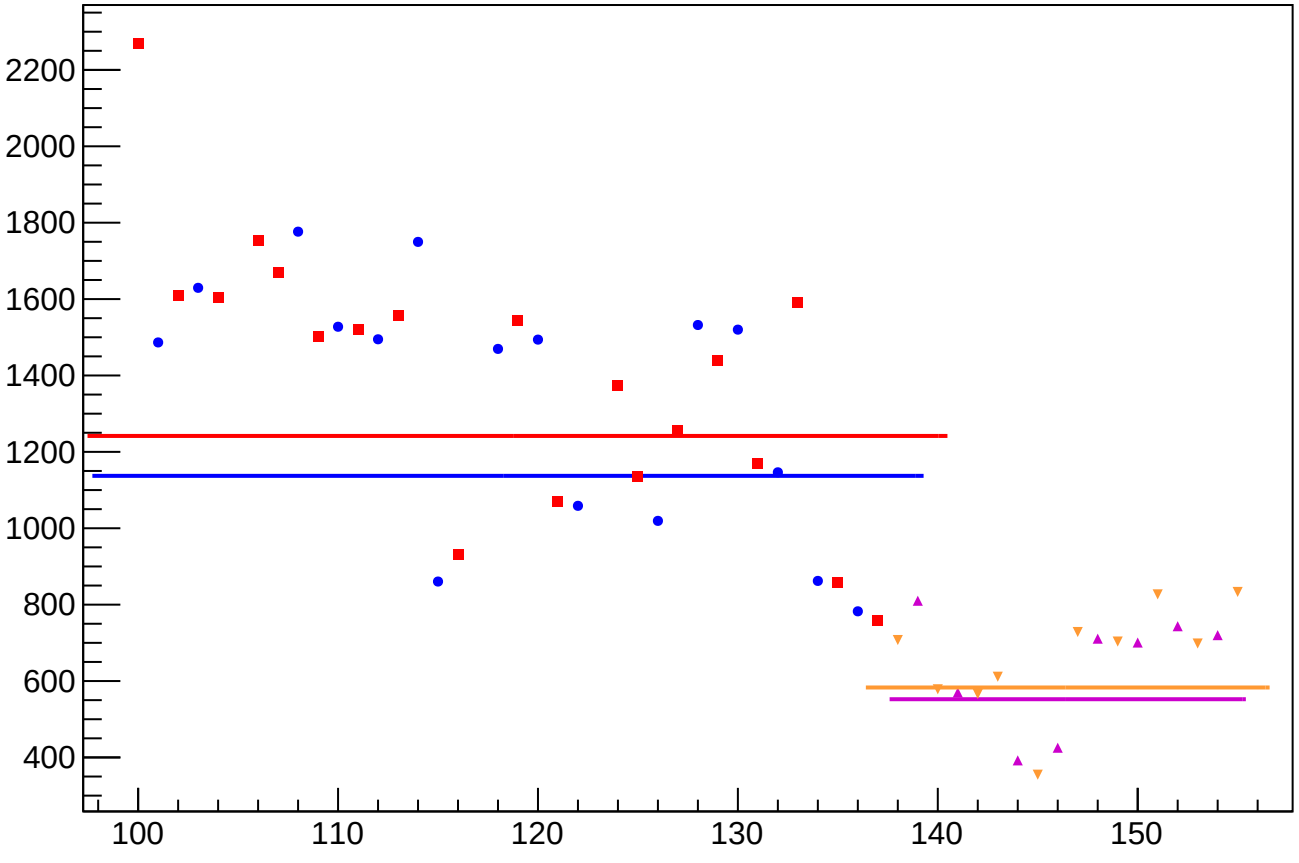
Left In: -83.034+/-218.151 χ^2/NDF:7.3/7

+ sign 925.706+/-195.397 χ^2/NDF: 45.4/25

All: 494.279+/-139.025 χ^2/NDF: 76.6/52

- sign 51.957+/-197.849 χ^2/NDF: 21.3/26

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 583.118+/-0.154 χ^2/NDF:1153918.9/9

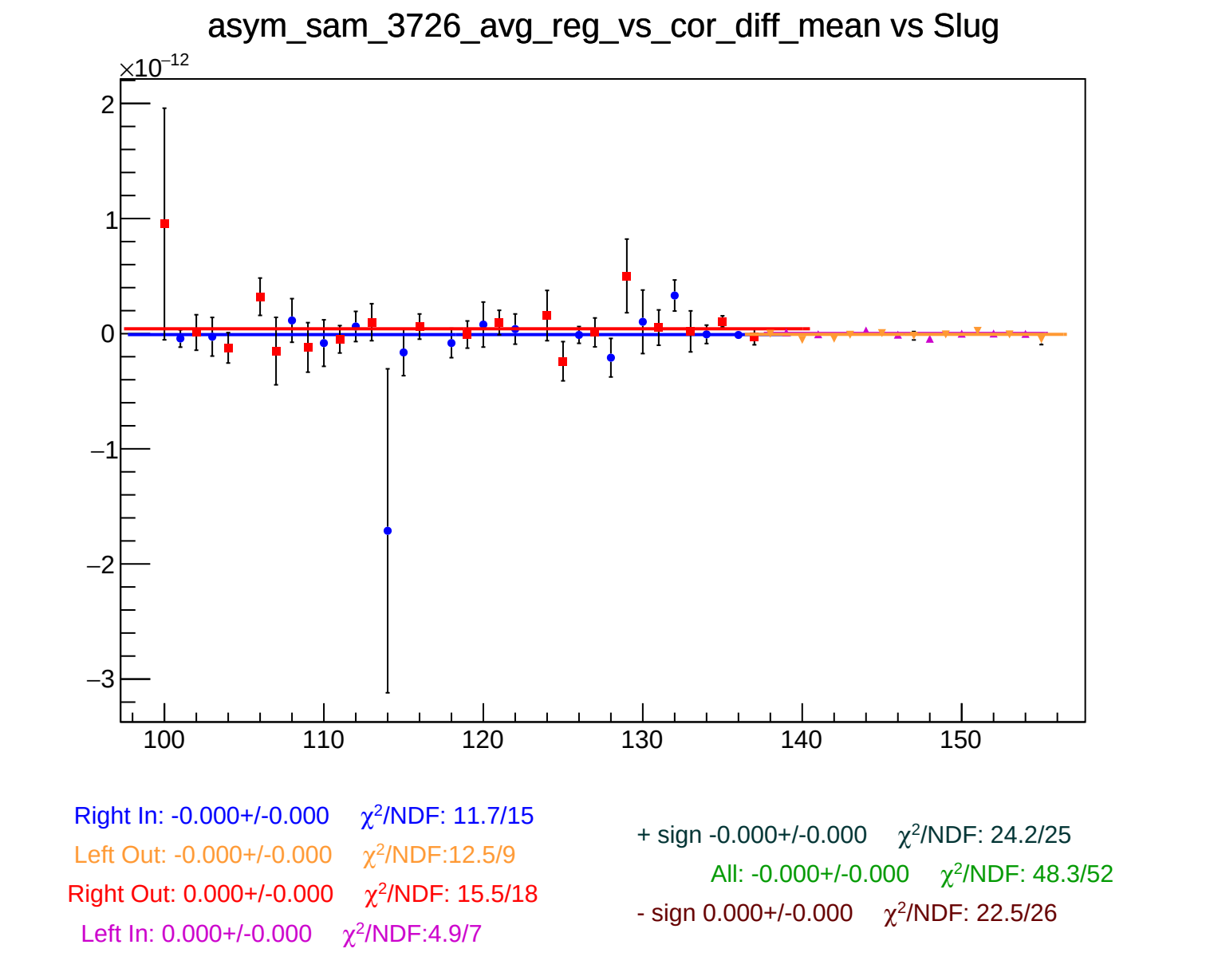
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 552.408+/-0.154 χ^2/NDF:981403.7/7

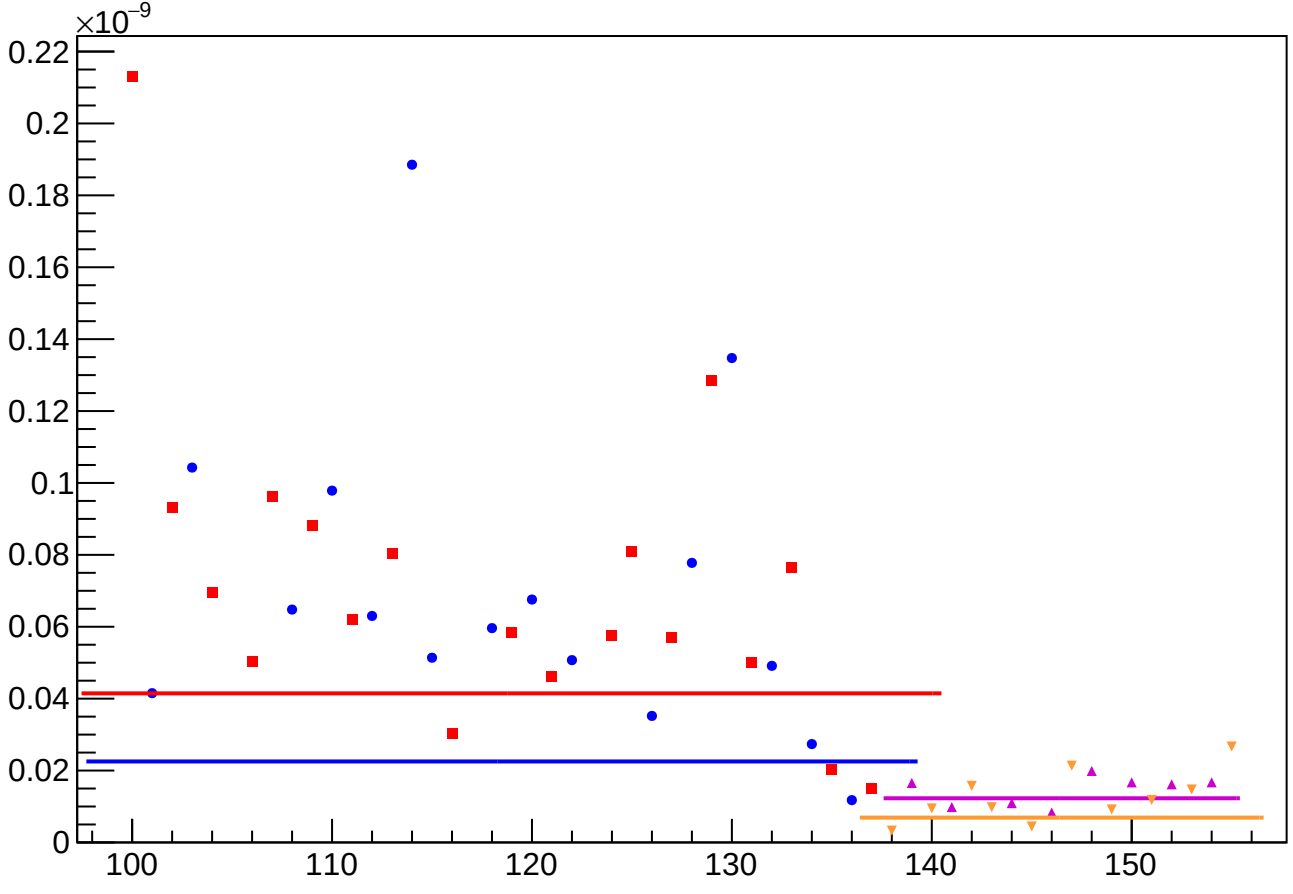
+ sign 691.096+/-0.138 χ^2/NDF: 4800998.1/25

All: 683.018+/-0.098 χ^2/NDF: 10232383.8/52

- sign 674.736+/-0.140 χ^2/NDF: 5424462.6/26


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.7/15
Left Out: -0.000+/-0.000 χ²/NDF:12.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 15.5/18
Left In: 0.000+/-0.000 χ²/NDF:4.9/7
+ sign -0.000+/-0.000 χ²/NDF: 24.2/25
All: -0.000+/-0.000 χ²/NDF: 48.3/52
- sign 0.000+/-0.000 χ²/NDF: 22.5/26

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:1583204.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

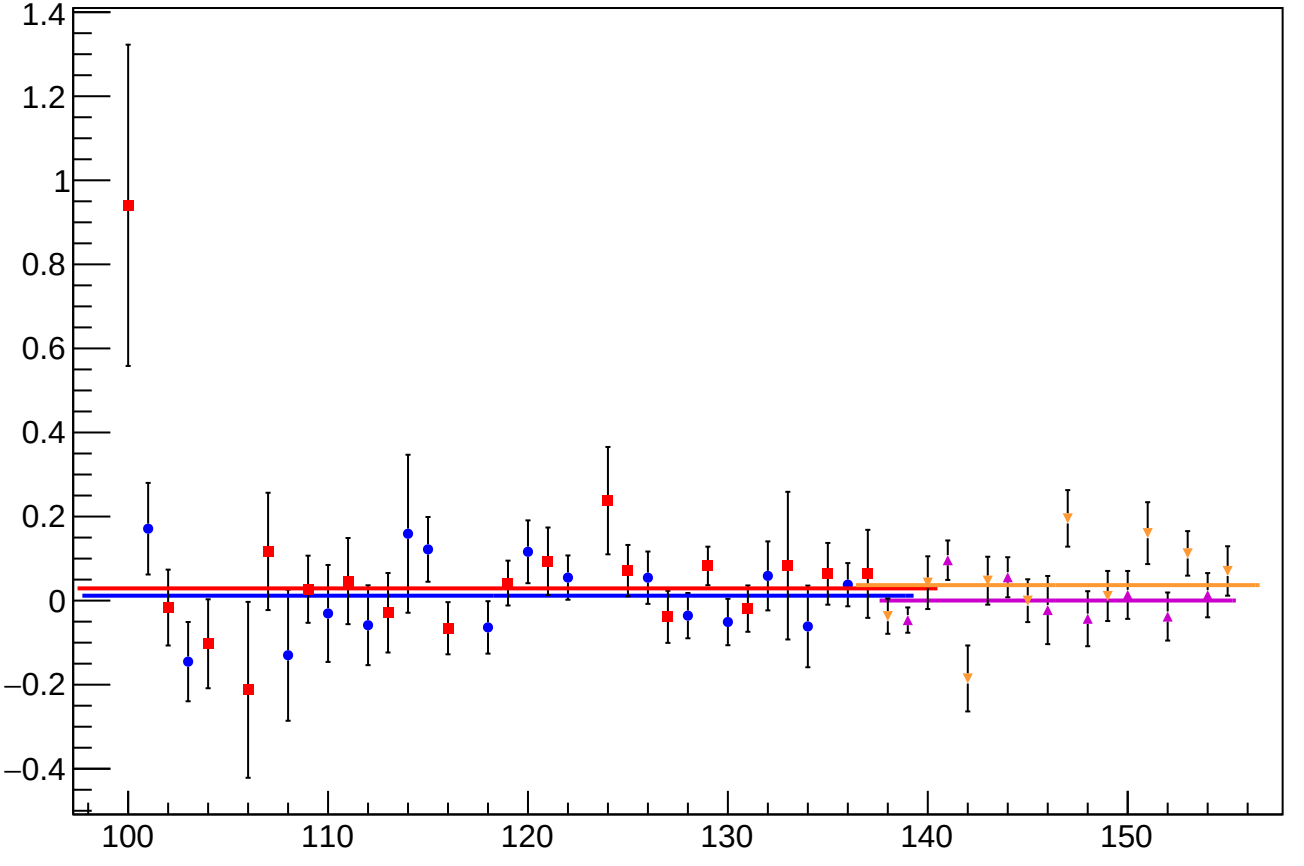
Left In: 0.000+/-0.000 χ^2/NDF:452228.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 5917572.8/25

All: 0.000+/-0.000 χ^2/NDF: 11318457.7/52

- sign 0.000+/-0.000 χ^2/NDF: 4441688.2/26

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: 0.037+/-0.018 χ^2/NDF:22.6/9

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

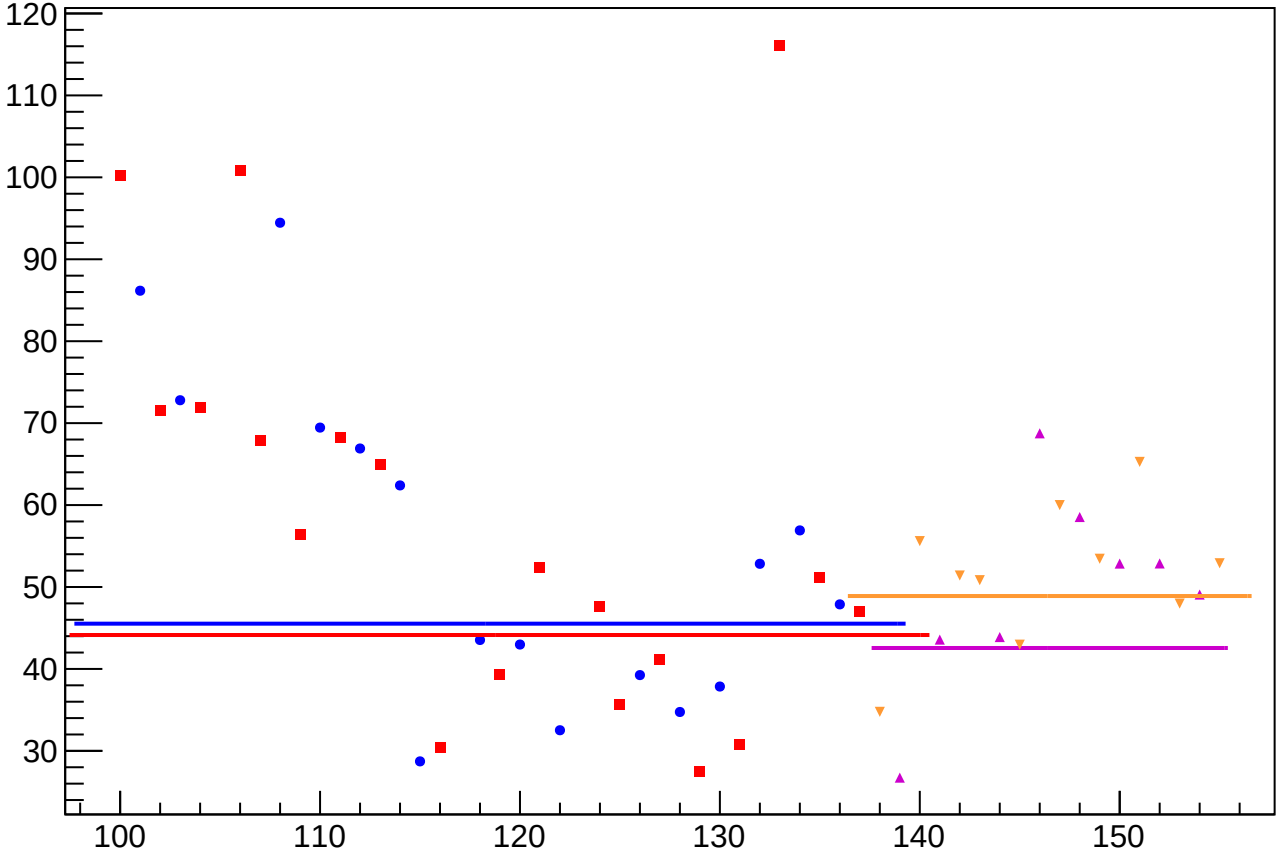
Left In: 0.000+/-0.017 χ^2/NDF:9.0/7

+ sign 0.024+/-0.013 χ^2/NDF: 40.4/25

All: 0.019+/-0.009 χ^2/NDF: 70.6/52

- sign 0.014+/-0.012 χ^2/NDF: 29.9/26

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: 48.898+/-0.013 χ^2/NDF:455504.4/9

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

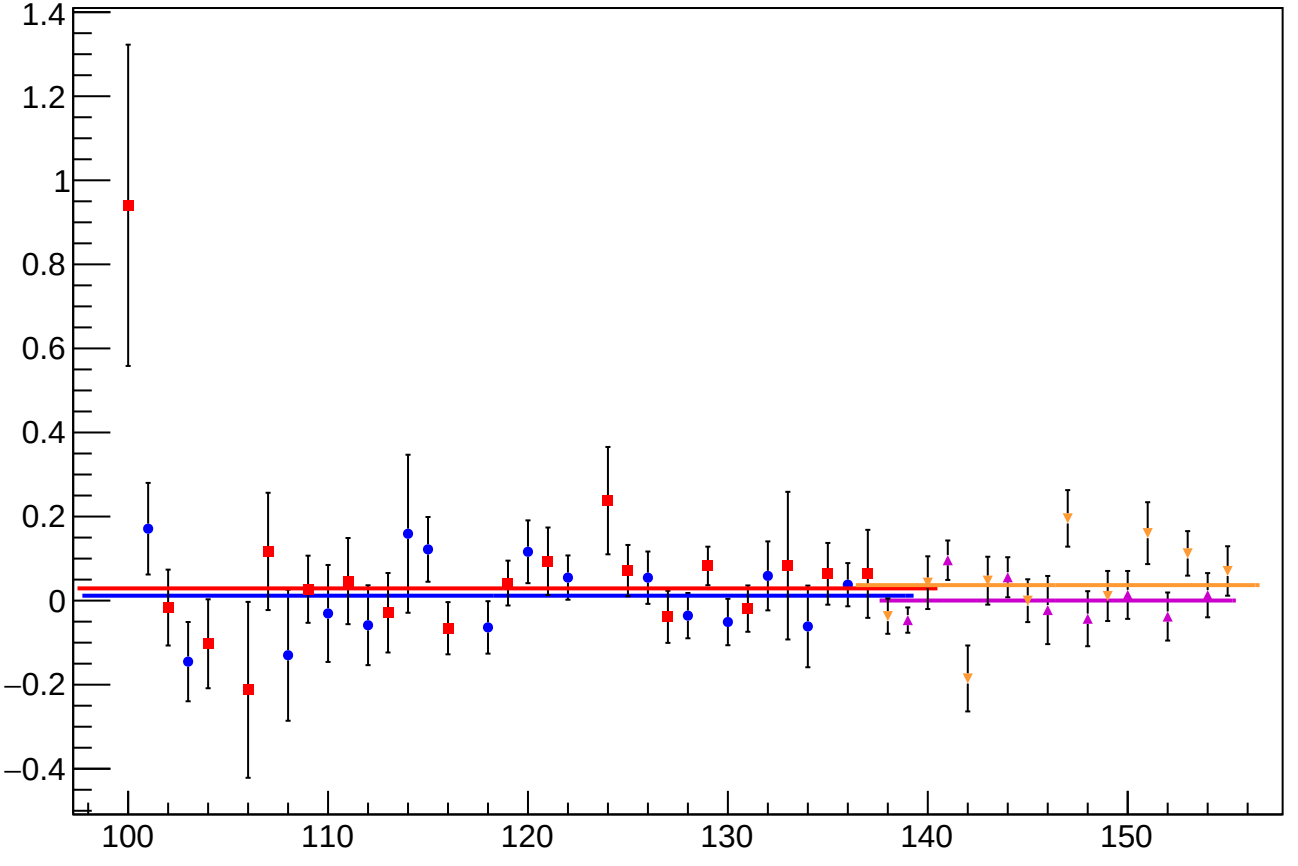
Left In: 42.556+/-0.012 χ^2/NDF:1043950.0/7

+ sign 47.220+/-0.009 χ^2/NDF: 1743549.1/25

All: 45.193+/-0.006 χ^2/NDF: 4633722.5/52

- sign 43.321+/-0.009 χ^2/NDF: 2795510.3/26

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.037+/-0.018 χ^2/NDF:22.6/9

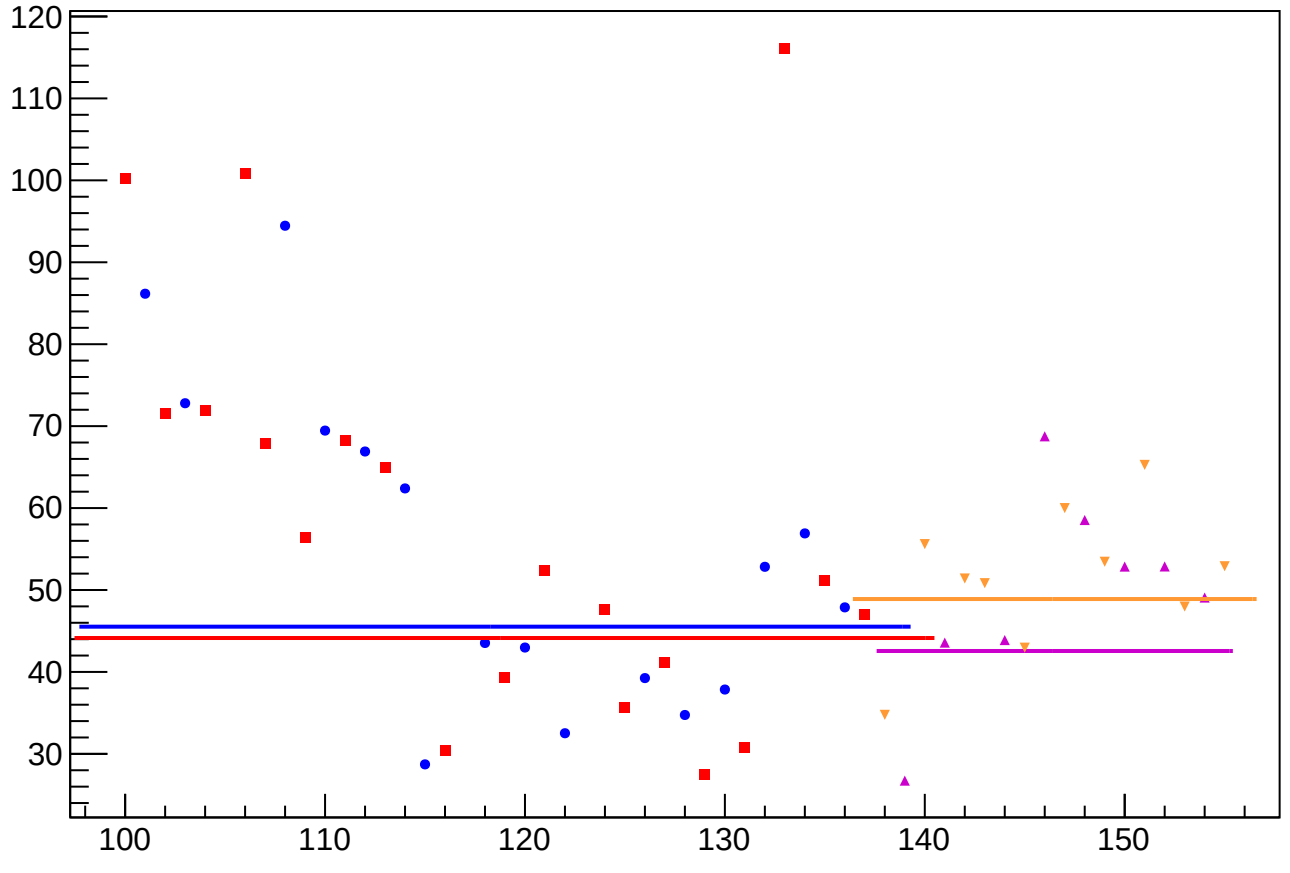
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.017 χ^2/NDF:9.0/7

+ sign 0.024+/-0.013 χ^2/NDF: 40.4/25

All: 0.019+/-0.009 χ^2/NDF: 70.6/52

- sign 0.014+/-0.012 χ^2/NDF: 29.9/26



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.898+/-0.013 χ^2/NDF:455504.4/9

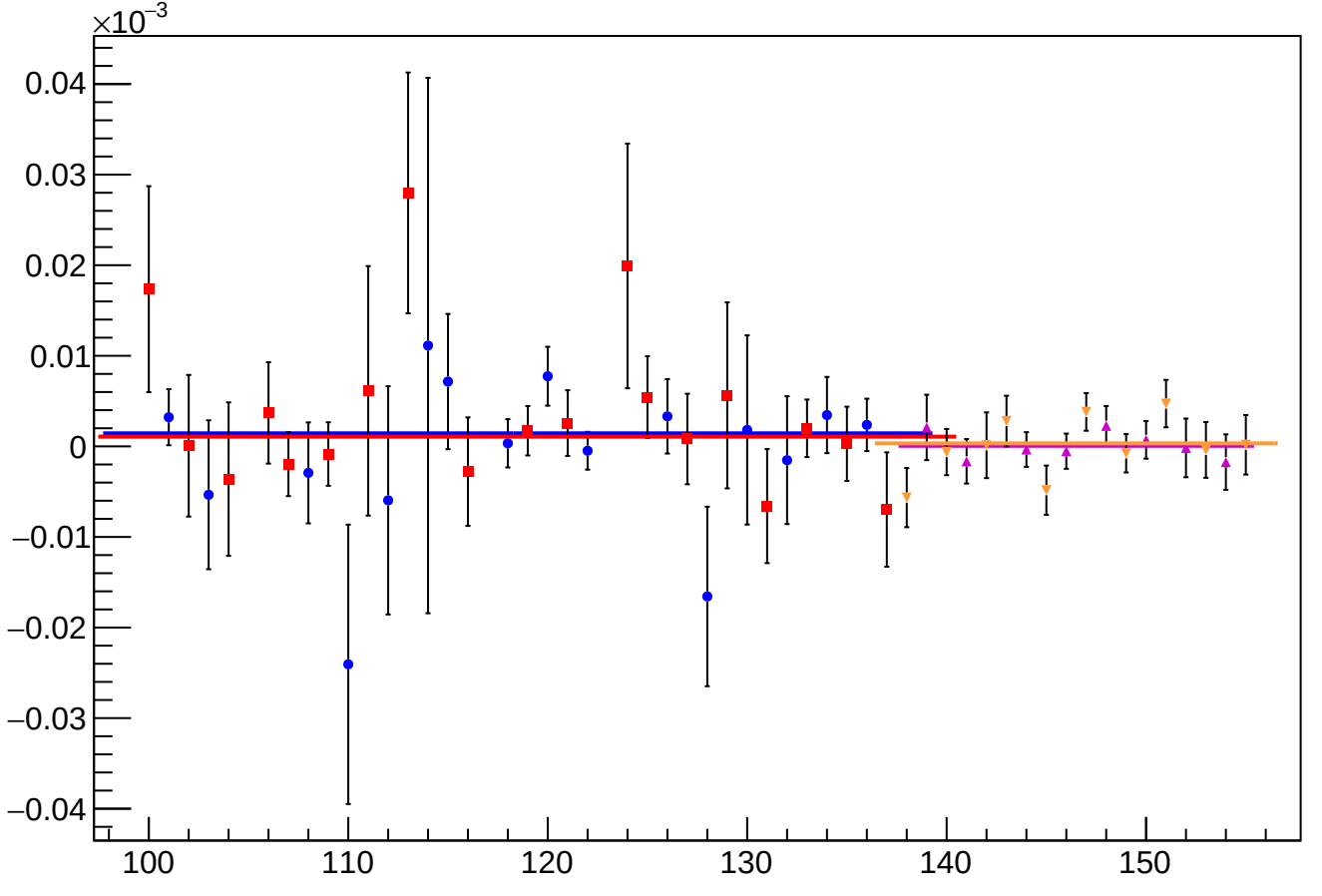
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 42.556+/-0.012 χ^2/NDF:1043950.0/7

+ sign 47.220+/-0.009 χ^2/NDF: 1743549.1/25

All: 45.193+/-0.006 χ^2/NDF: 4633722.5/52

- sign 43.321+/-0.009 χ^2/NDF: 2795510.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/9

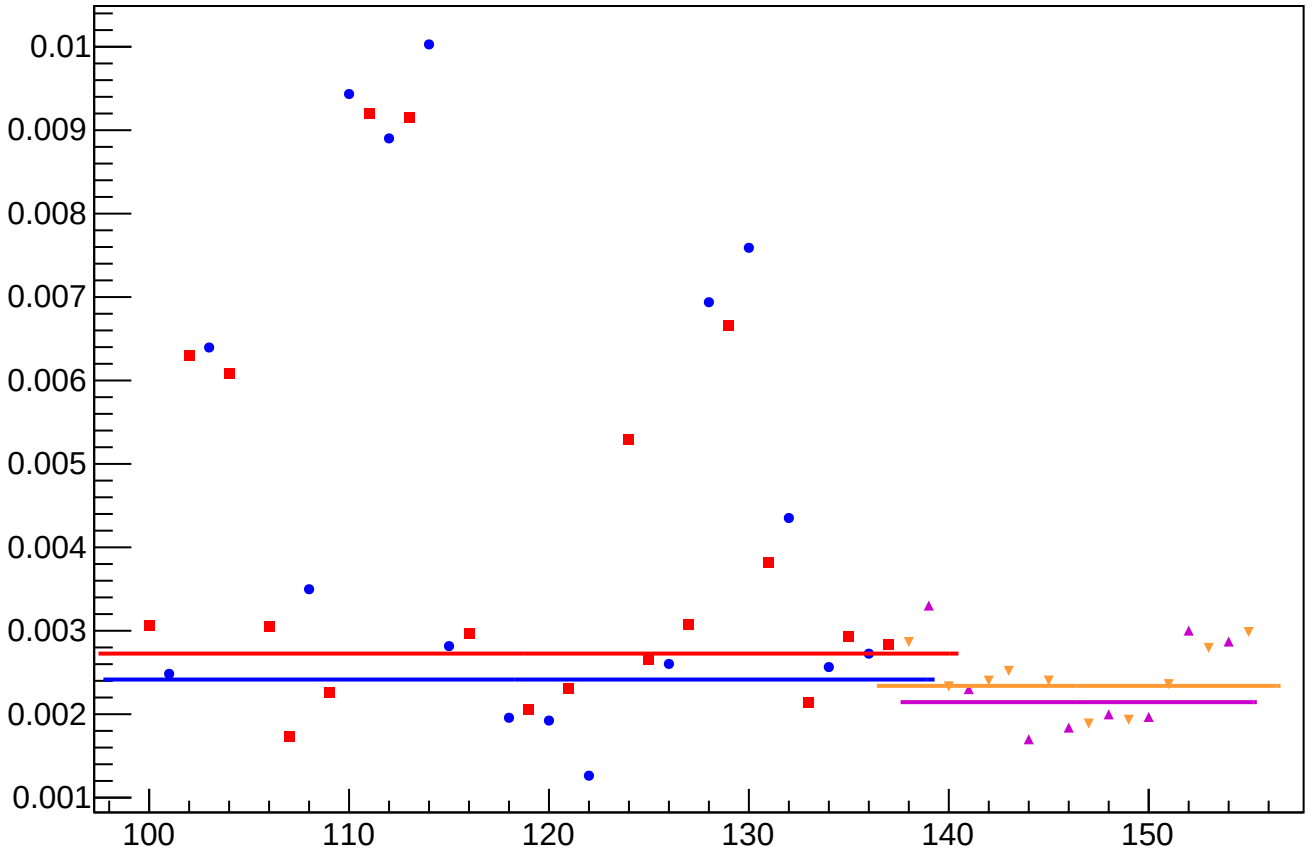
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/25

All: 0.000+/-0.000 χ^2/NDF: 46.6/52

- sign 0.000+/-0.000 χ^2/NDF: 17.8/26



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:351226.8/9

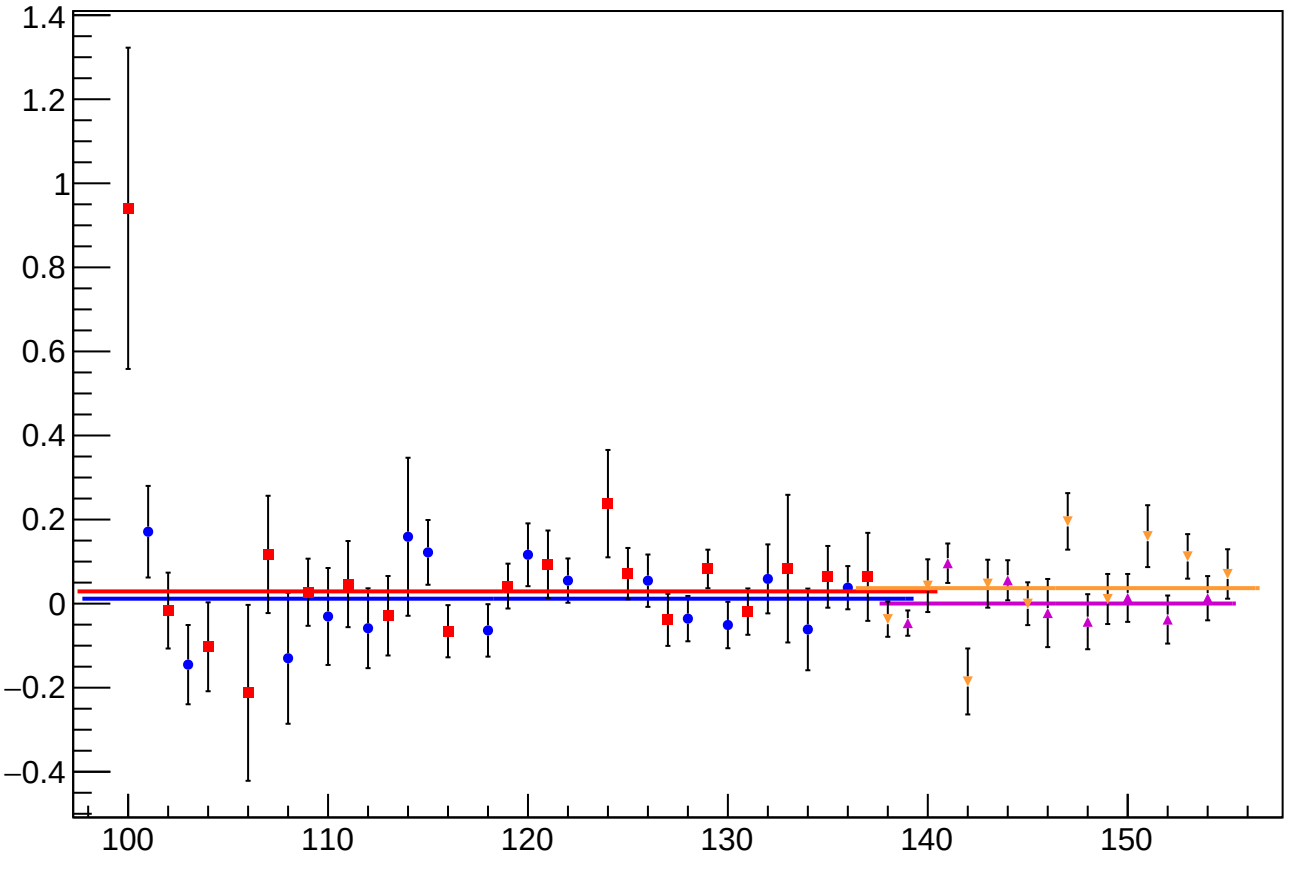
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:648352.5/7

+ sign 0.002+/-0.000 χ^2/NDF: 3789751.2/25

All: 0.002+/-0.000 χ^2/NDF: 7289551.8/52

- sign 0.002+/-0.000 χ^2/NDF: 3499146.6/26



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.037+/-0.018 χ^2/NDF:22.6/9

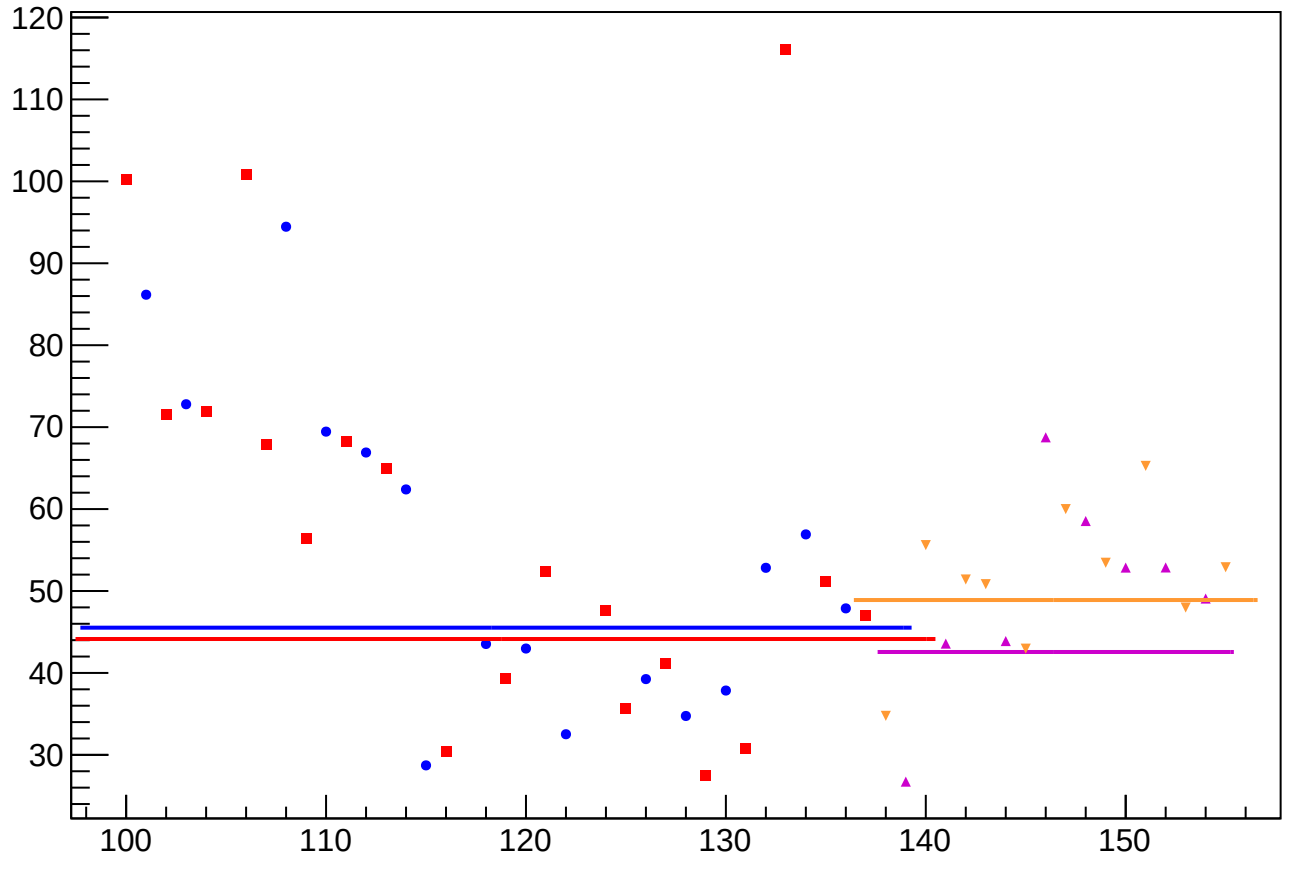
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.017 χ^2/NDF:9.0/7

+ sign 0.024+/-0.013 χ^2/NDF: 40.4/25

All: 0.019+/-0.009 χ^2/NDF: 70.6/52

- sign 0.014+/-0.012 χ^2/NDF: 29.9/26



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.898+/-0.013 χ^2/NDF:455528.9/9

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

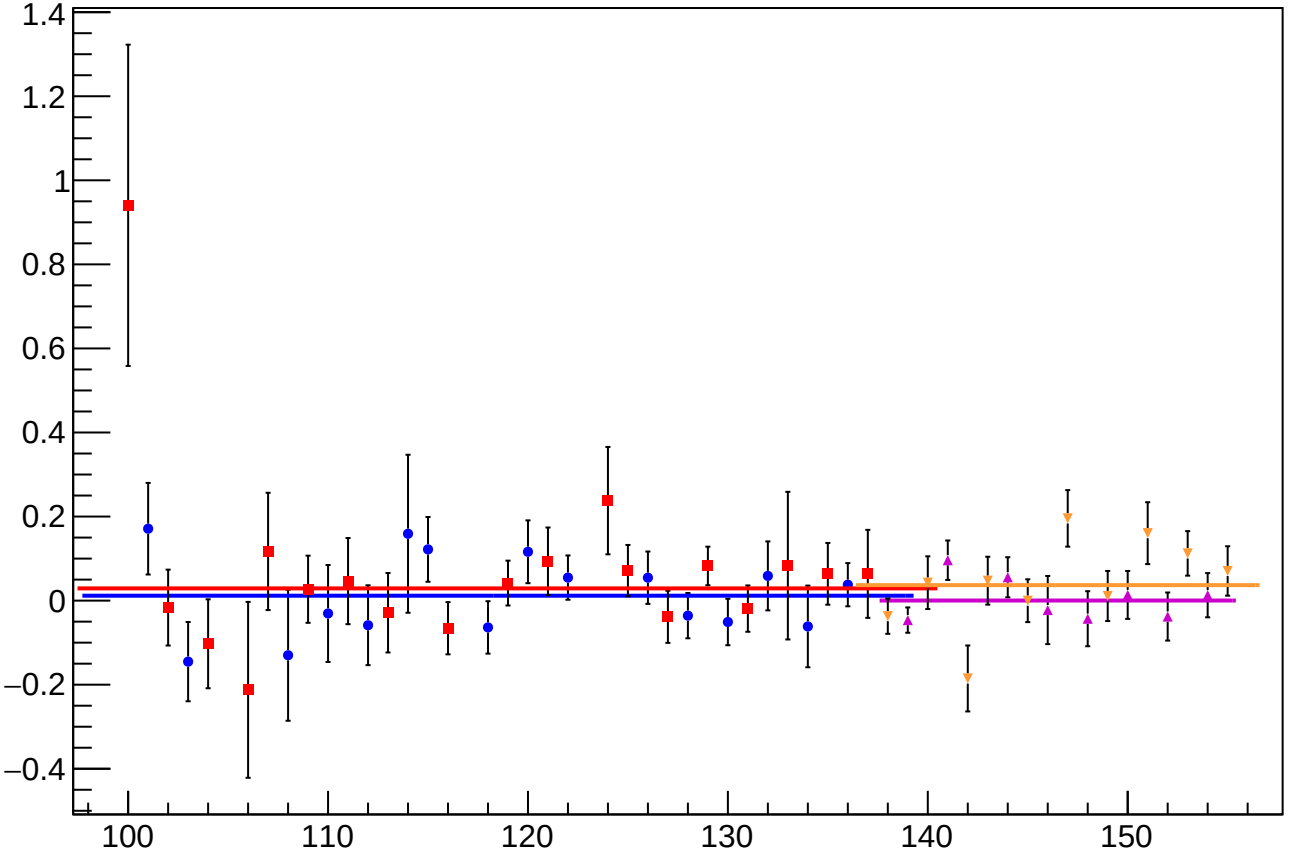
Left In: 42.557+/-0.012 χ^2/NDF:1043977.8/7

+ sign 47.220+/-0.009 χ^2/NDF: 1743536.2/25

All: 45.193+/-0.006 χ^2/NDF: 4633648.7/52

- sign 43.321+/-0.009 χ^2/NDF: 2795458.5/26

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: 0.037+/-0.018 χ^2/NDF:22.6/9

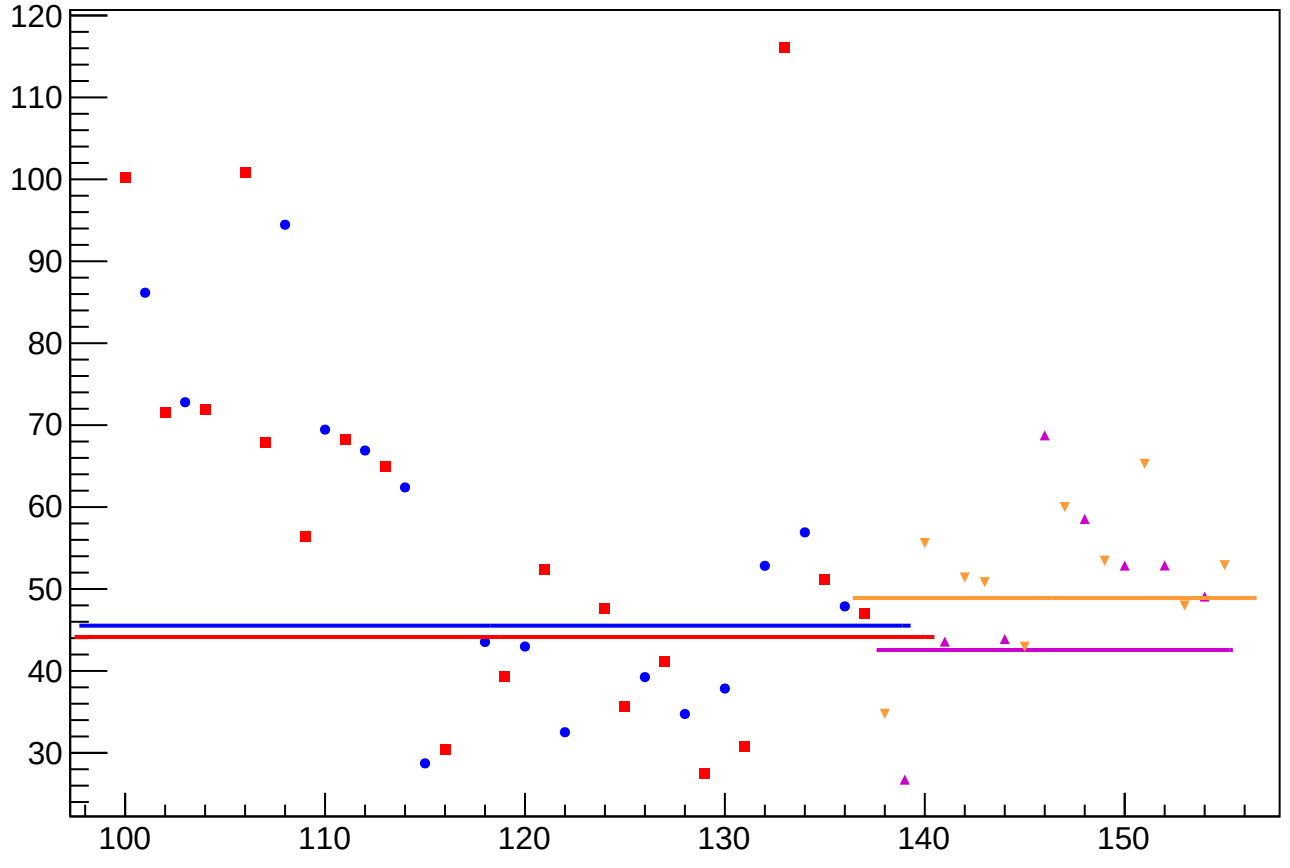
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.017 χ^2/NDF:9.0/7

+ sign 0.024+/-0.013 χ^2/NDF: 40.4/25

All: 0.019+/-0.009 χ^2/NDF: 70.6/52

- sign 0.014+/-0.012 χ^2/NDF: 29.9/26



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.898+/-0.013 χ^2/NDF:455528.9/9

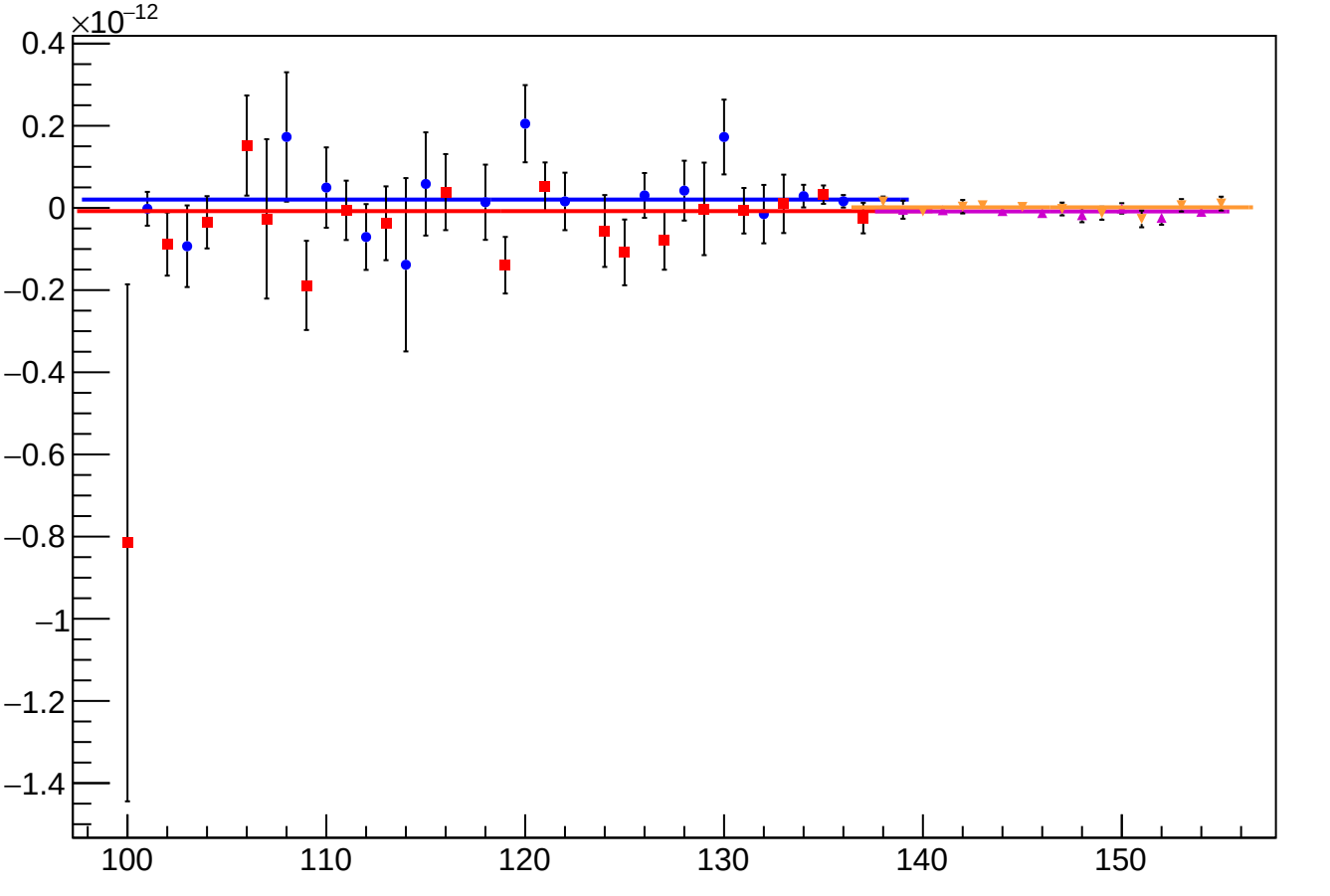
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

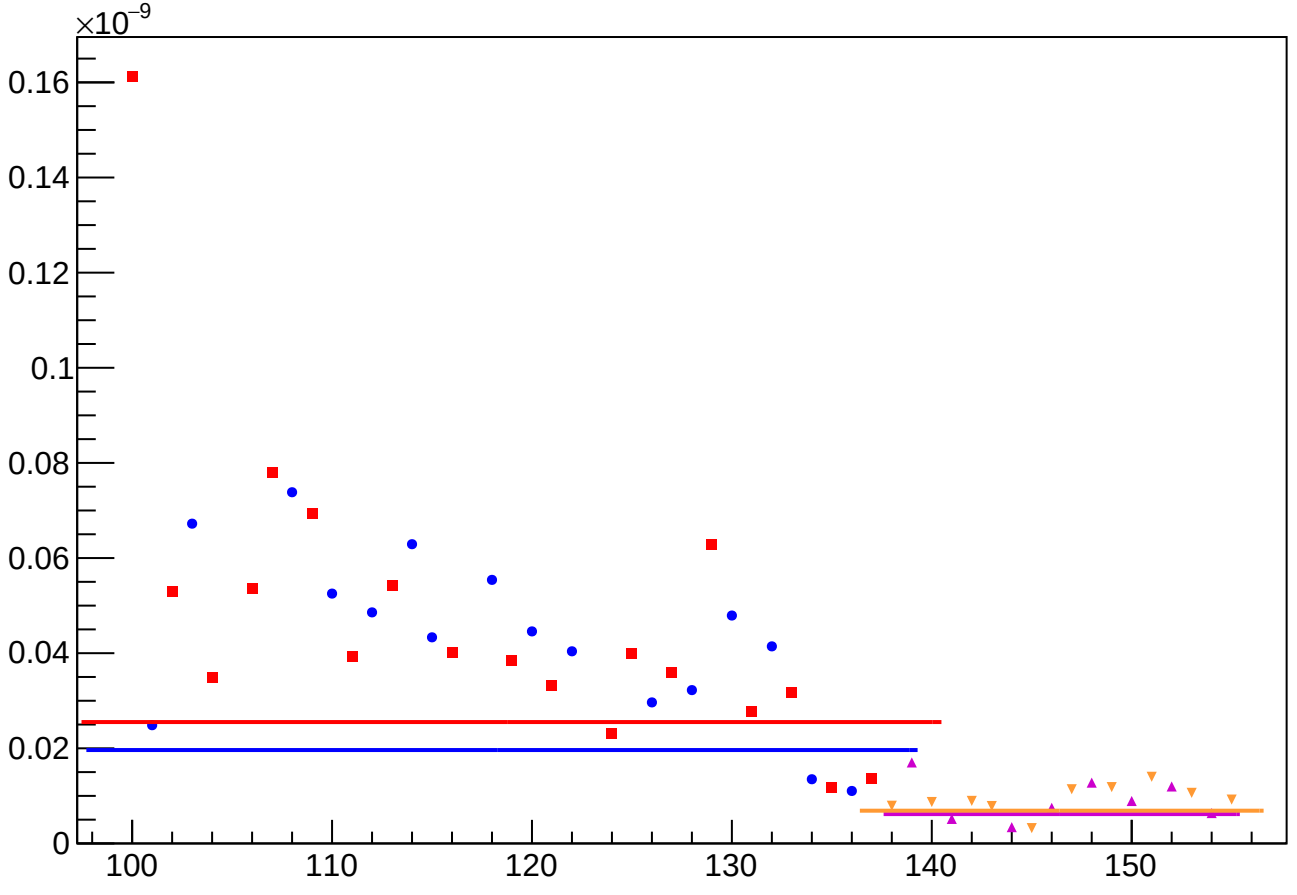
Left In: 42.557+/-0.012 χ^2/NDF:1043977.8/7

+ sign 47.220+/-0.009 χ^2/NDF: 1743536.2/25

All: 45.193+/-0.006 χ^2/NDF: 4633648.7/52

- sign 43.321+/-0.009 χ^2/NDF: 2795458.5/26


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:5.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/18
Left In: -0.000+/-0.000 χ²/NDF:1.8/7
+ sign 0.000+/-0.000 χ²/NDF: 19.9/25
All: -0.000+/-0.000 χ²/NDF: 46.3/52
- sign -0.000+/-0.000 χ²/NDF: 20.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1743581.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

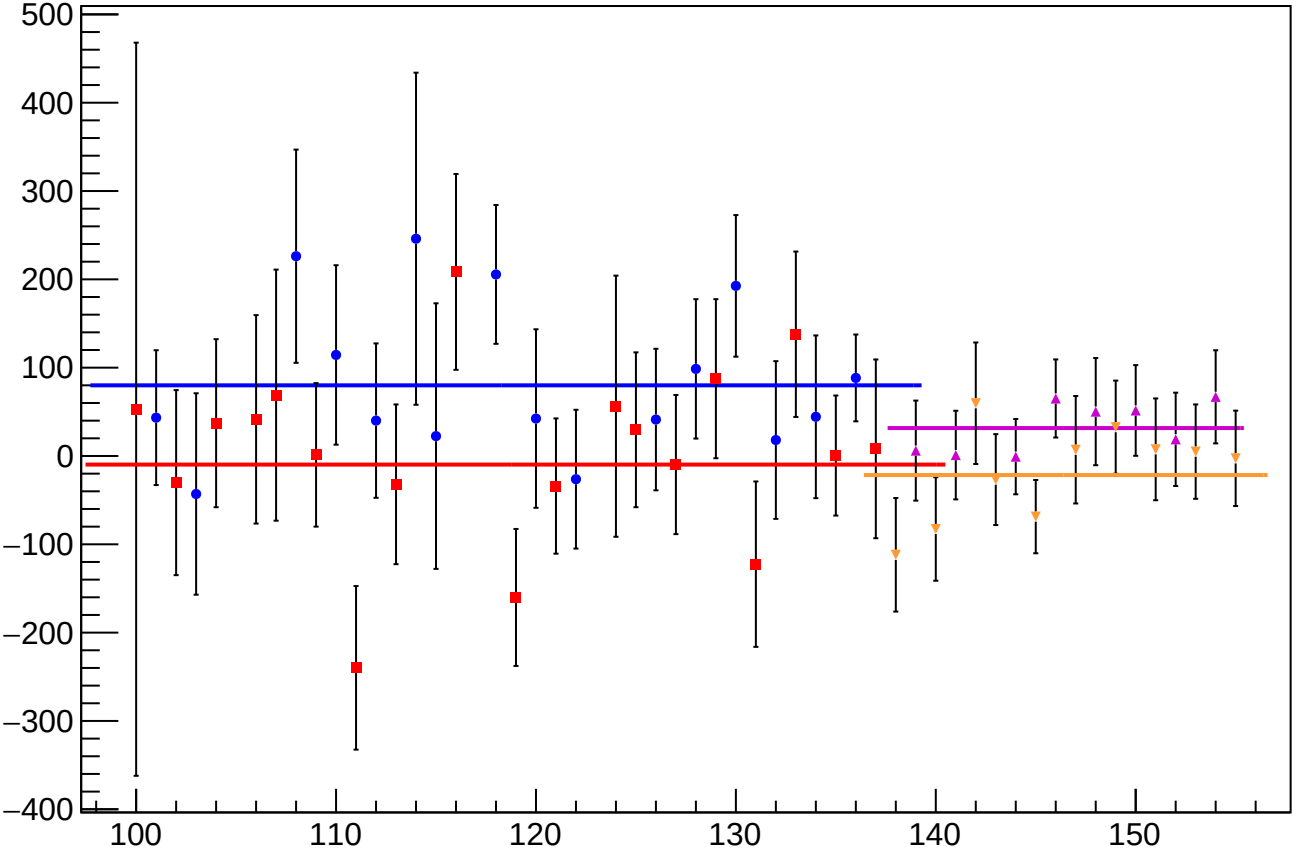
Left In: 0.000+/-0.000 χ^2/NDF:1624286.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 7342796.2/25

All: 0.000+/-0.000 χ^2/NDF: 15444384.4/52

- sign 0.000+/-0.000 χ^2/NDF: 8063423.7/26

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -21.569+/-17.337 χ^2/NDF:7.7/9

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

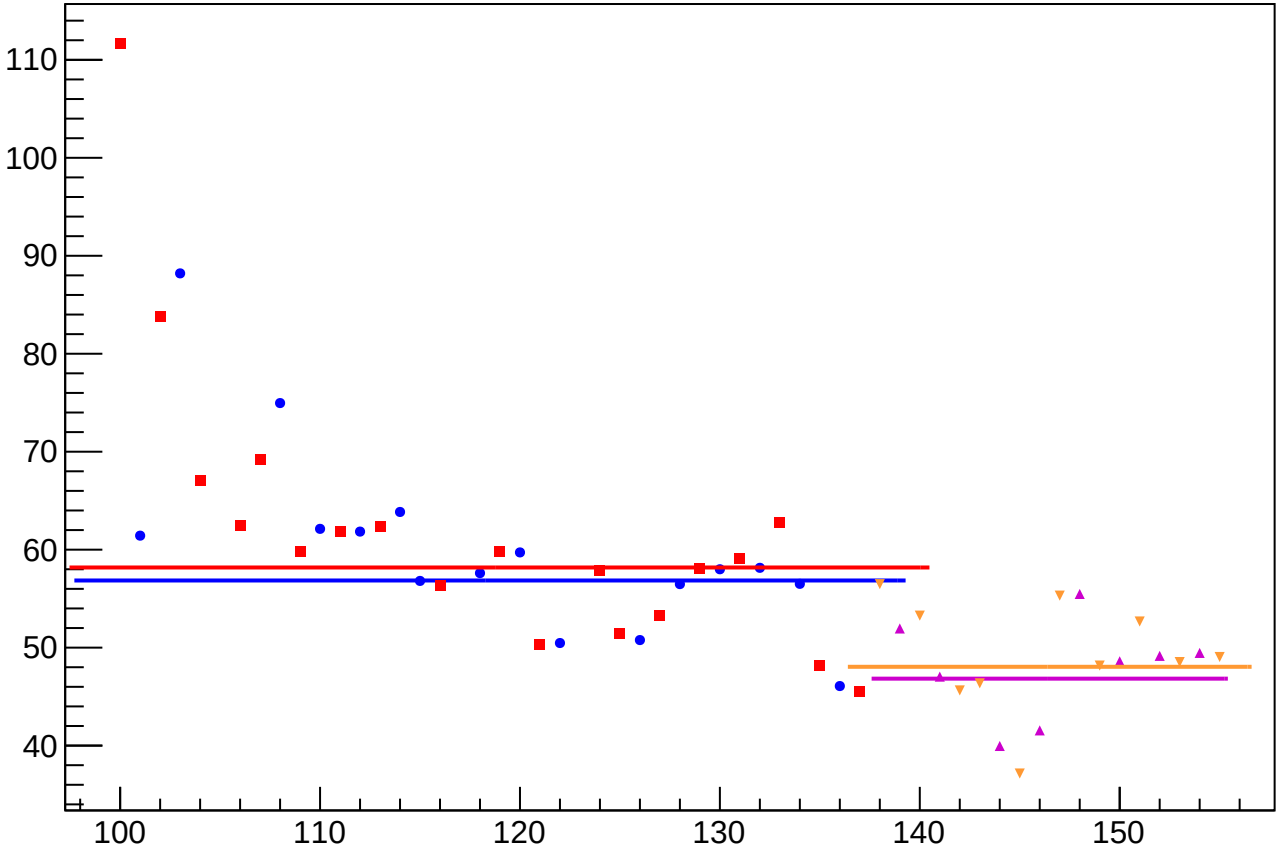
Left In: 31.616+/-17.847 χ^2/NDF:2.5/7

+ sign 18.507+/-13.490 χ^2/NDF: 32.8/25

All: 16.719+/-9.634 χ^2/NDF: 57.8/52

- sign 14.857+/-13.763 χ^2/NDF: 25.0/26

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.044+/-0.012 χ^2/NDF:235064.5/9

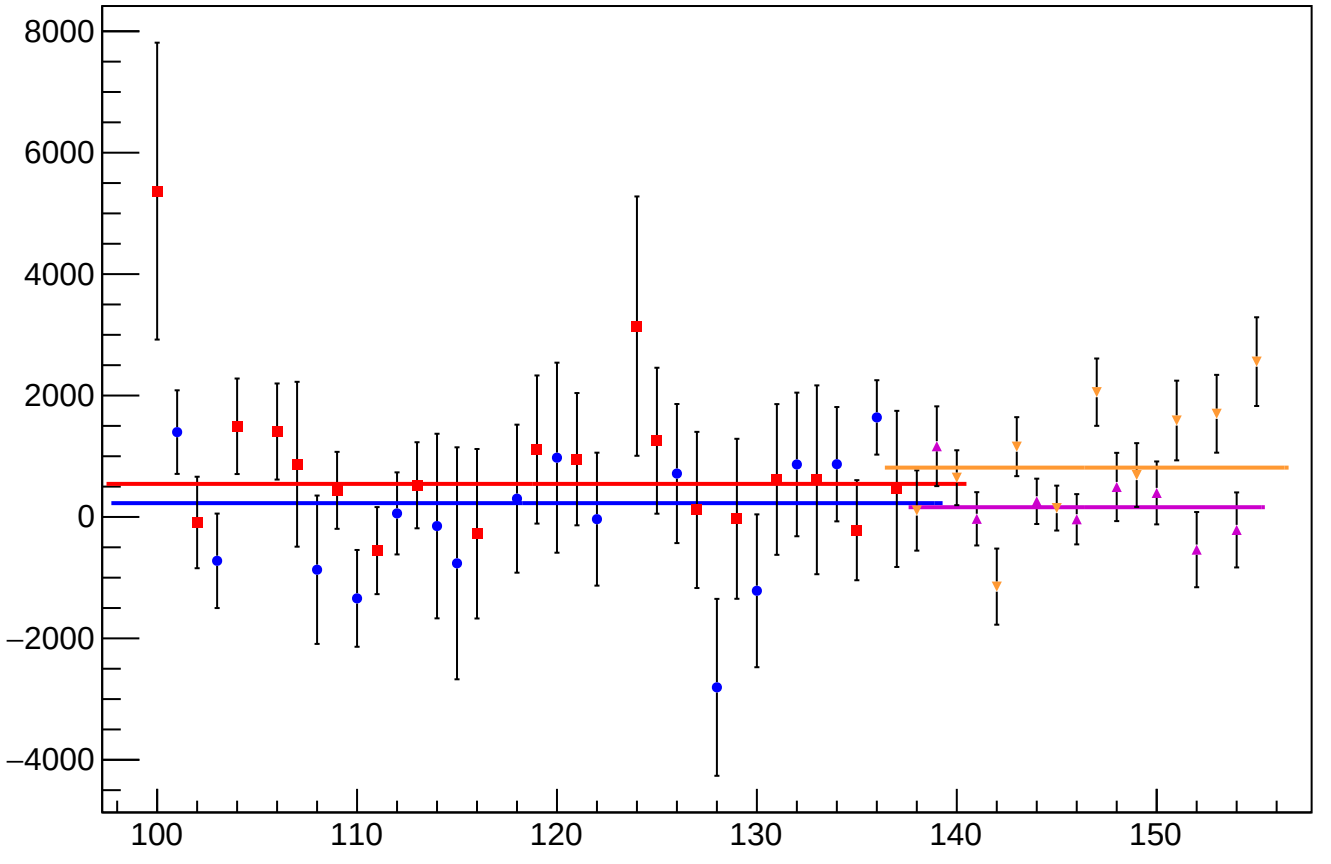
Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.834+/-0.013 χ^2/NDF:148692.4/7

+ sign 51.521+/-0.010 χ^2/NDF: 780461.4/25

All: 51.478+/-0.007 χ^2/NDF: 1571572.4/52

- sign 51.433+/-0.010 χ^2/NDF: 791070.1/26



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 812.709+/-169.573 χ^2/NDF:28.9/9

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

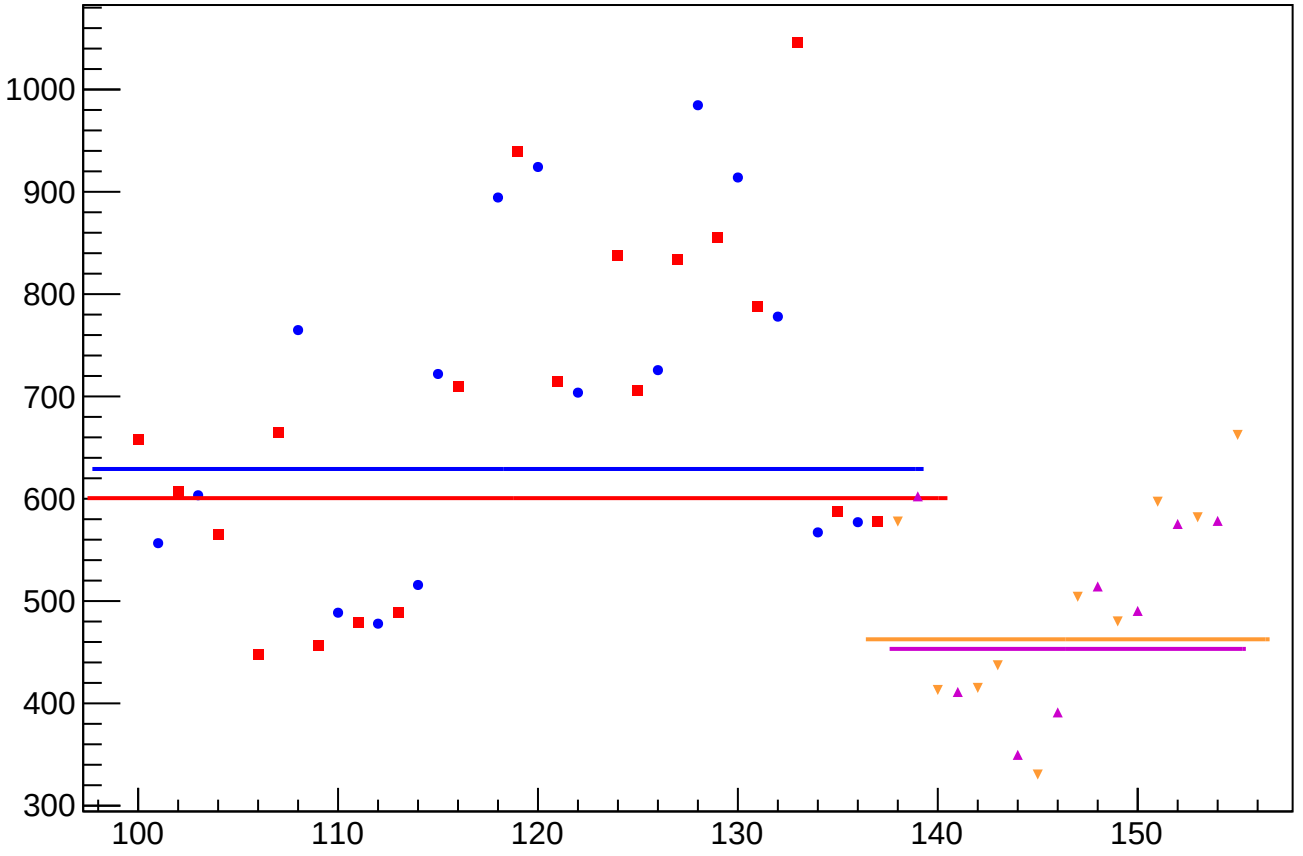
Left In: 160.637+/-175.068 χ^2/NDF:5.0/7

+ sign 619.167+/-138.726 χ^2/NDF: 54.5/25

All: 461.391+/-98.079 χ^2/NDF: 77.3/52

- sign 303.710+/-138.684 χ^2/NDF: 20.2/26

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 462.632+/-0.120 χ^2/NDF:673191.2/9

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

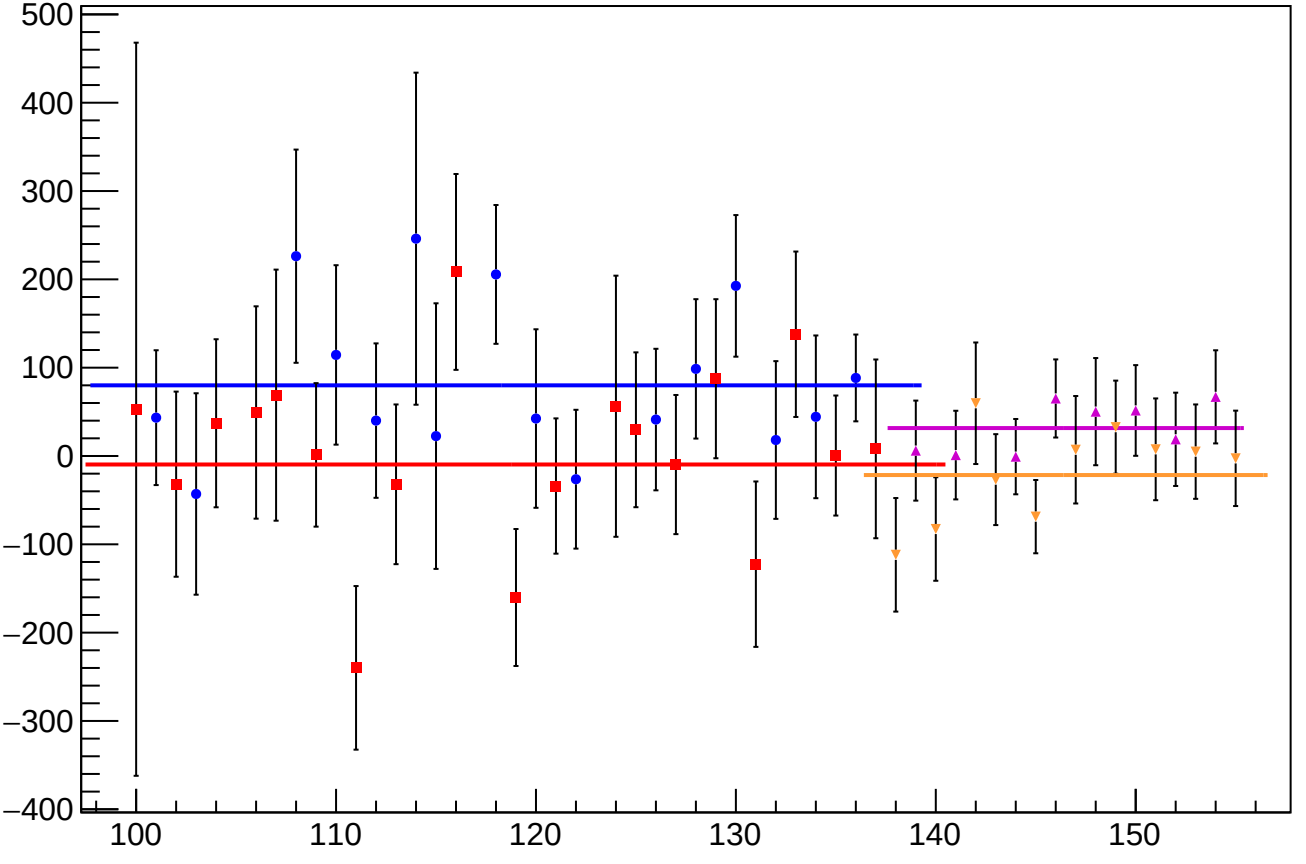
Left In: 453.251+/-0.124 χ^2/NDF:513756.9/7

+ sign 517.686+/-0.098 χ^2/NDF: 2003339.3/25

All: 512.907+/-0.069 χ^2/NDF: 3924107.2/52

- sign 508.130+/-0.098 χ^2/NDF: 1916021.1/26

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -21.573+/-17.337 χ^2/NDF:7.7/9

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

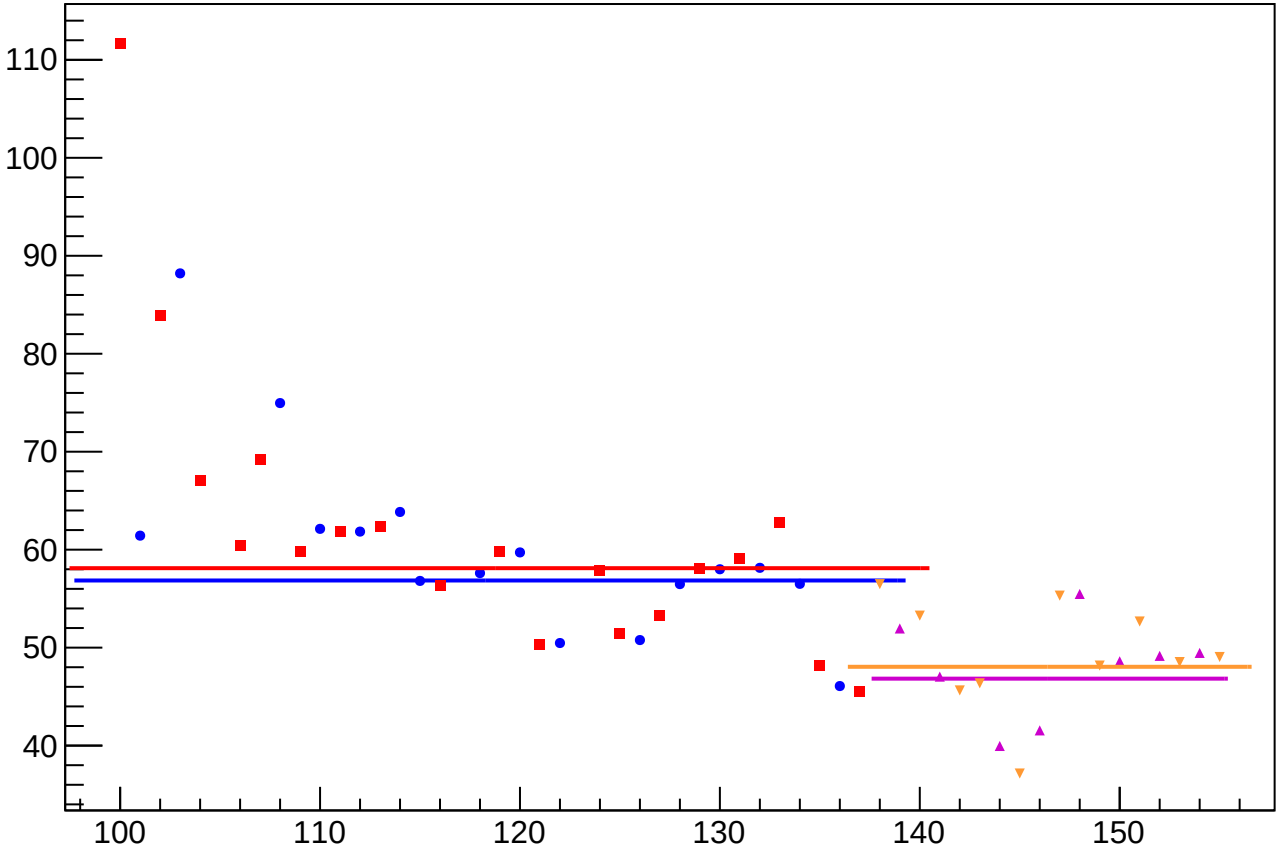
Left In: 31.617+/-17.847 χ^2/NDF:2.5/7

\+ sign 18.507+/-13.490 χ^2/NDF: 32.8/25

All: 16.748+/-9.635 χ^2/NDF: 57.8/52

\- sign 14.916+/-13.766 χ^2/NDF: 25.0/26

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.044+/-0.012 χ^2/NDF:235064.5/9

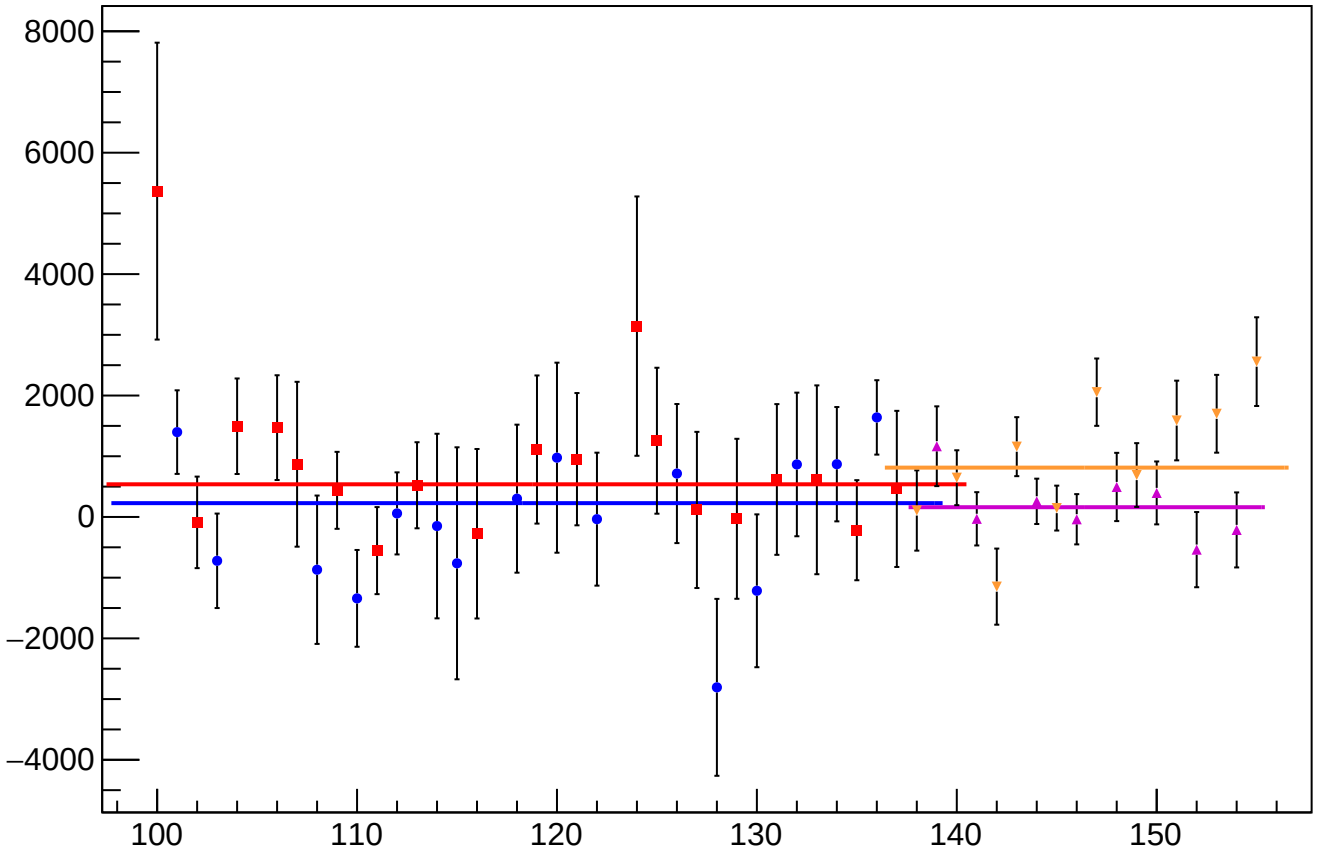
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.834+/-0.013 χ^2/NDF:148692.4/7

+ sign 51.521+/-0.010 χ^2/NDF: 780465.3/25

All: 51.462+/-0.007 χ^2/NDF: 1565575.9/52

- sign 51.401+/-0.010 χ^2/NDF: 785033.9/26



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 812.705+/-169.573 χ^2/NDF:28.9/9

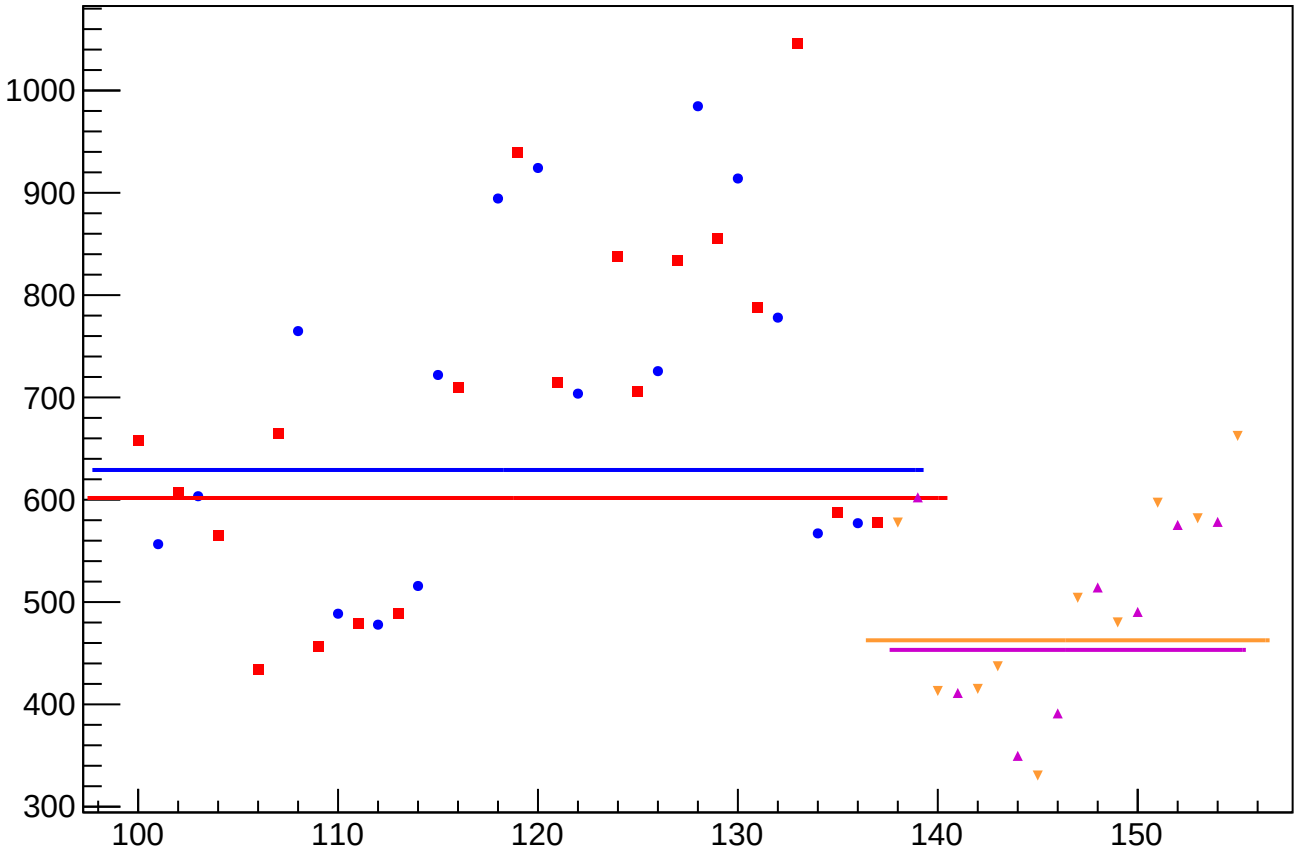
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 160.641+/-175.068 χ^2/NDF:5.0/7

+ sign 619.179+/-138.726 χ^2/NDF: 54.5/25

All: 459.967+/-98.200 χ^2/NDF: 77.2/52

- sign 300.067+/-139.026 χ^2/NDF: 20.1/26



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 462.632+/-0.120 χ^2/NDF:673193.2/9

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

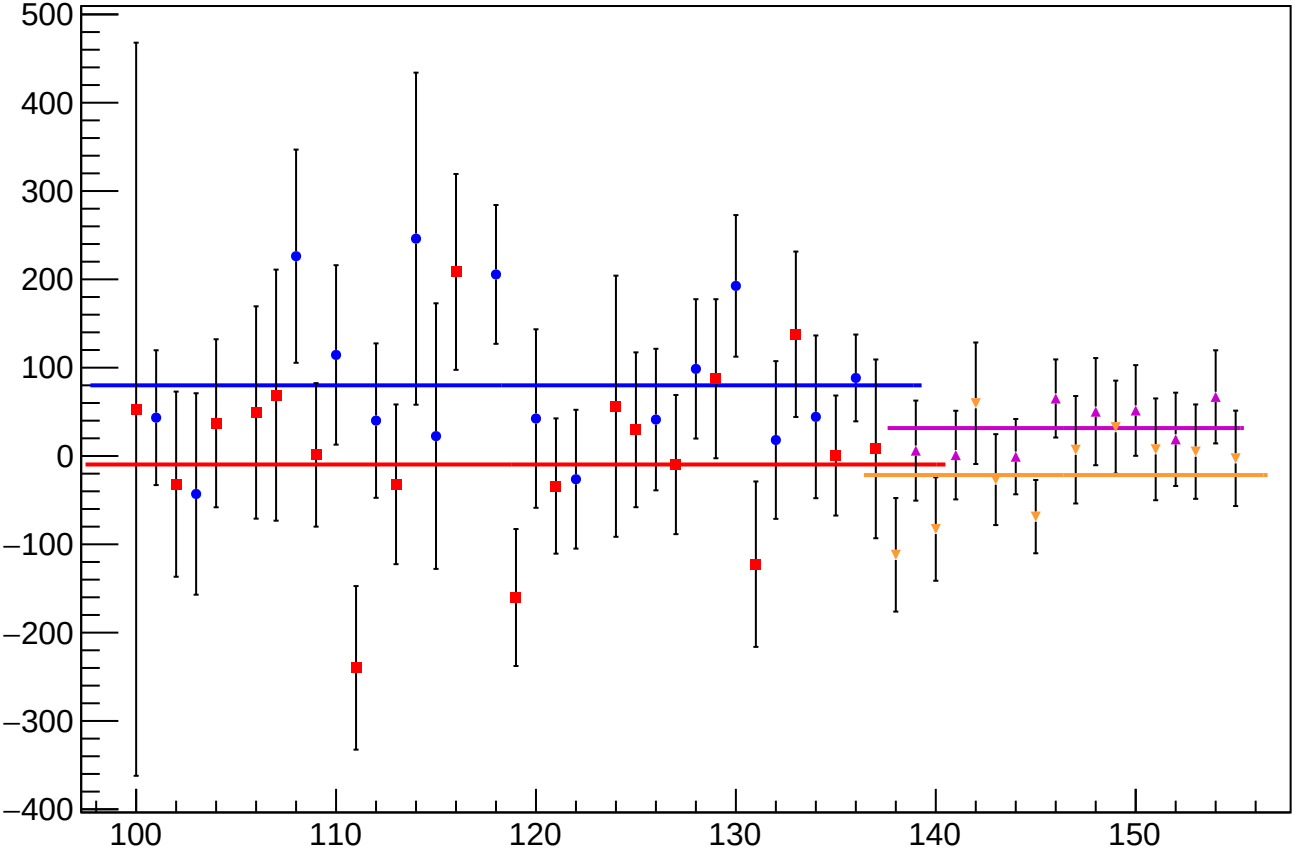
Left In: 453.252+/-0.124 χ^2/NDF:513756.3/7

\+ sign 517.687+/-0.098 χ^2/NDF: 2003364.4/25

All: 512.899+/-0.069 χ^2/NDF: 3927241.4/52

\- sign 508.091+/-0.098 χ^2/NDF: 1919102.1/26

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -21.573+/-17.337 χ^2/NDF:7.7/9

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

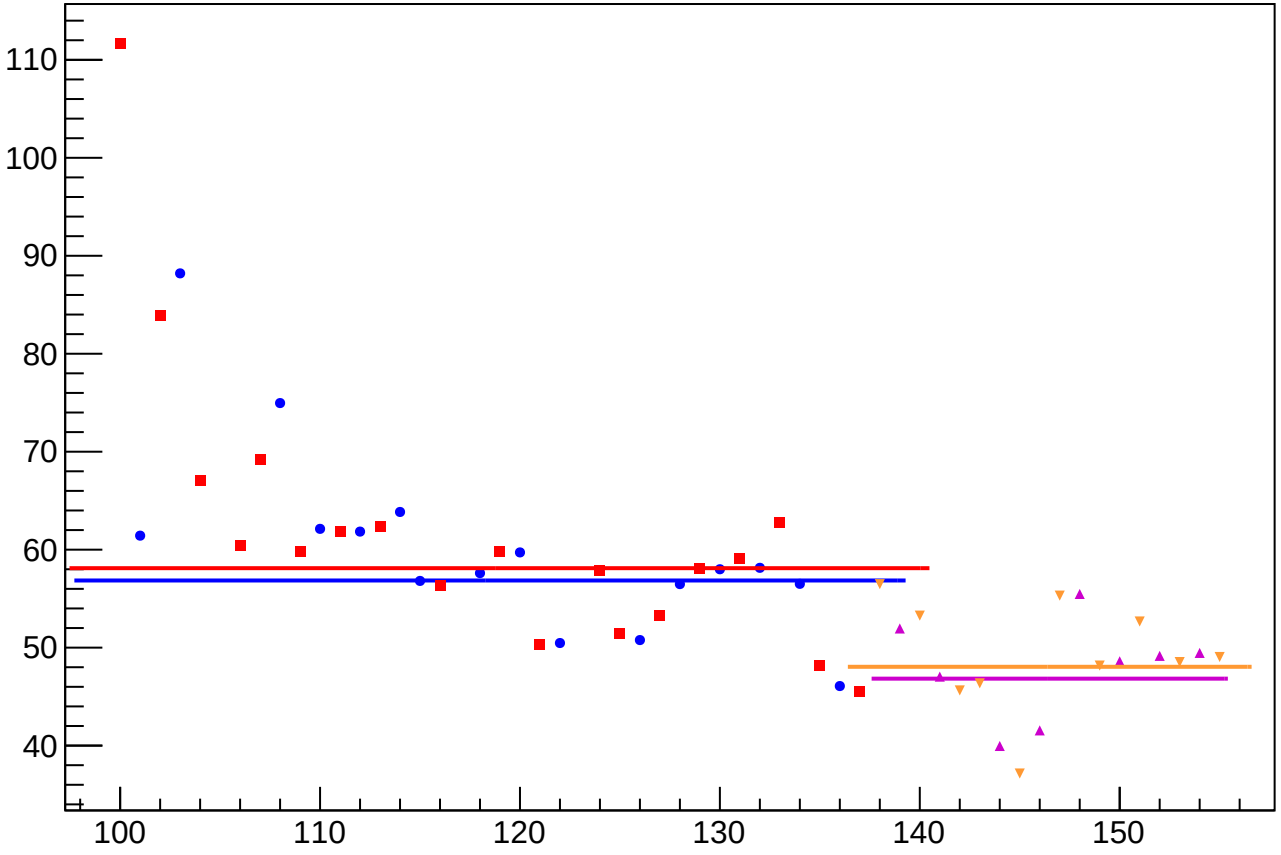
Left In: 31.617+/-17.847 χ^2/NDF:2.5/7

+ sign 18.507+/-13.490 χ^2/NDF: 32.8/25

All: 16.748+/-9.635 χ^2/NDF: 57.8/52

- sign 14.916+/-13.766 χ^2/NDF: 25.0/26

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.044+/-0.012 χ^2/NDF:235064.5/9

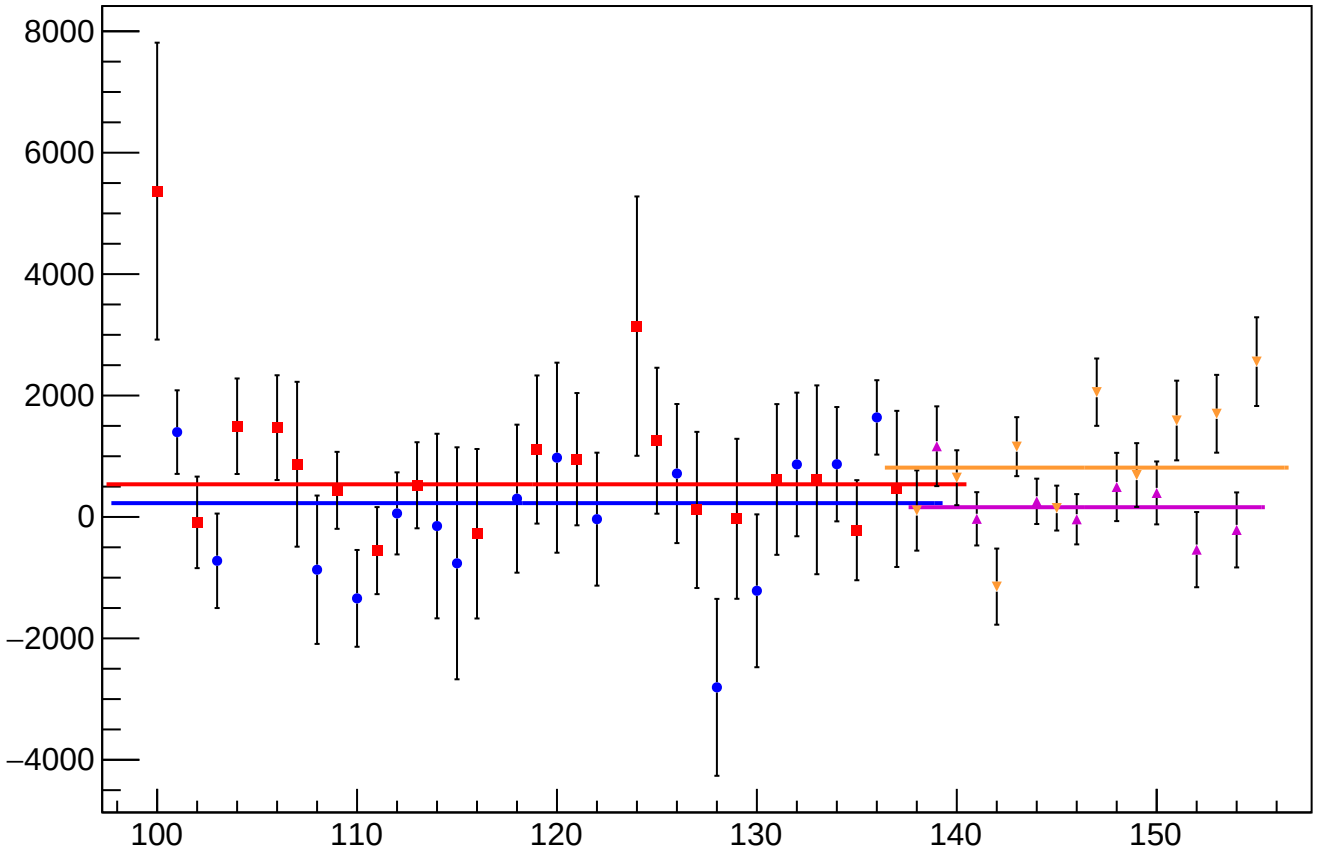
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.834+/-0.013 χ^2/NDF:148692.4/7

+ sign 51.521+/-0.010 χ^2/NDF: 780465.3/25

All: 51.462+/-0.007 χ^2/NDF: 1565575.9/52

- sign 51.401+/-0.010 χ^2/NDF: 785033.9/26



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 812.705+/-169.573 χ^2/NDF:28.9/9

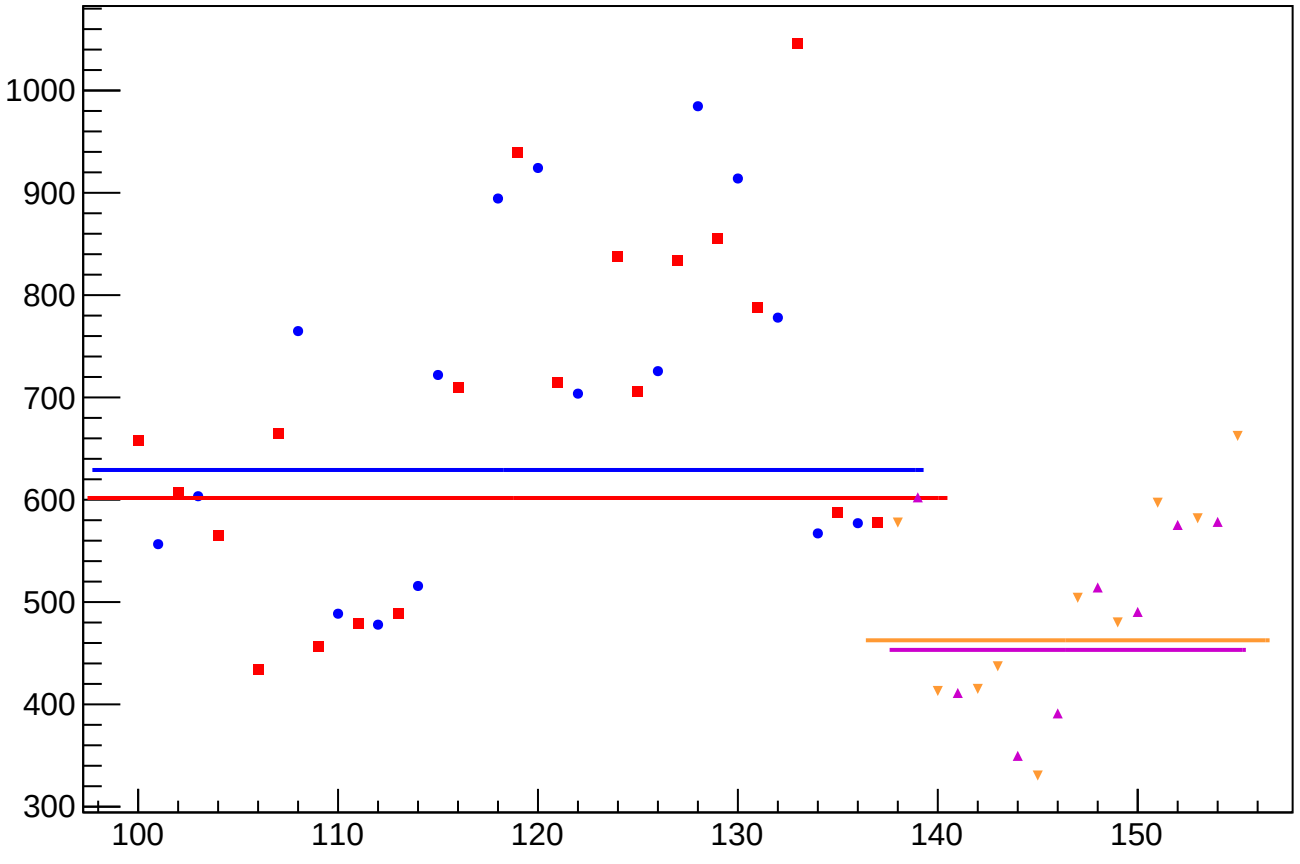
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 160.641+/-175.068 χ^2/NDF:5.0/7

+ sign 619.179+/-138.726 χ^2/NDF: 54.5/25

All: 459.967+/-98.200 χ^2/NDF: 77.2/52

- sign 300.067+/-139.026 χ^2/NDF: 20.1/26



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 462.632+/-0.120 χ^2/NDF:673193.2/9

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

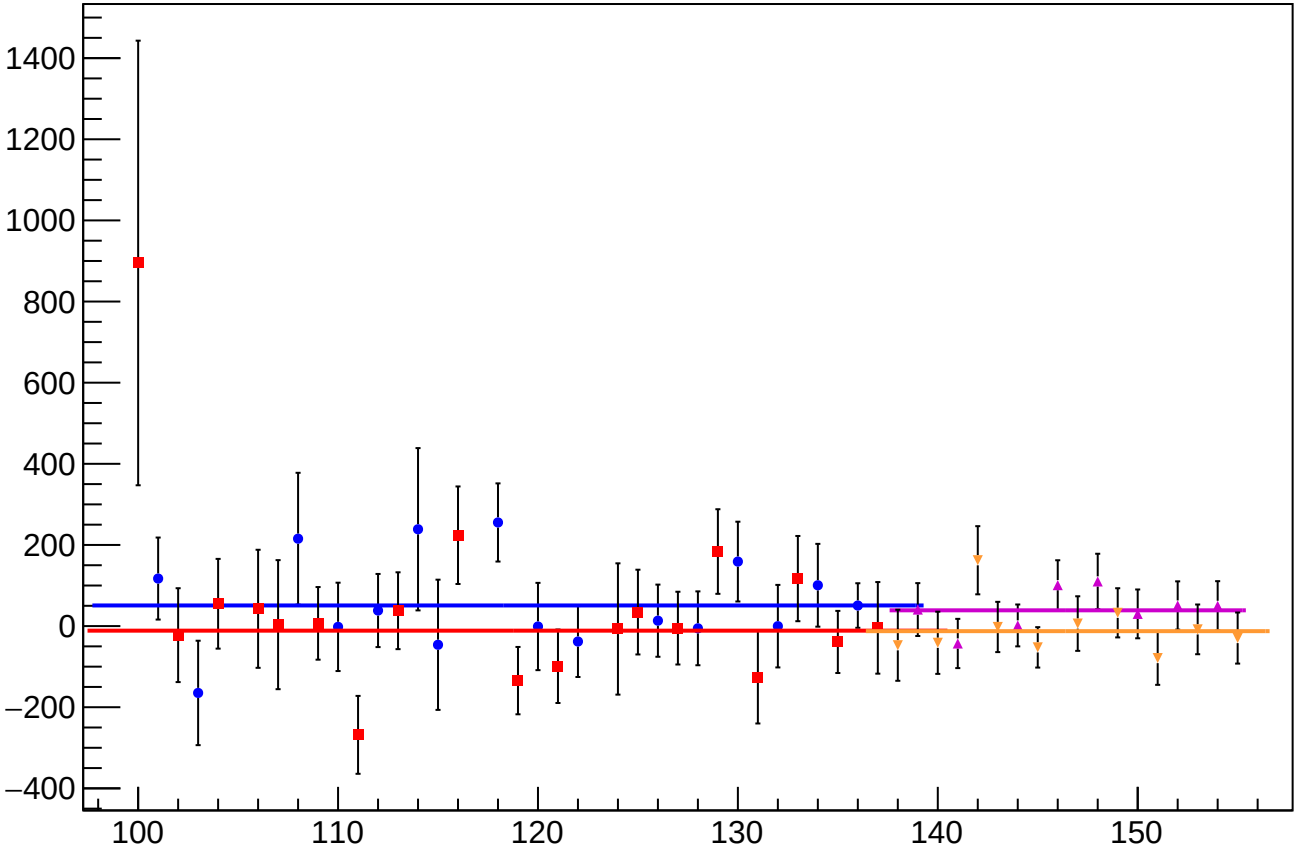
Left In: 453.252+/-0.124 χ^2/NDF:513756.3/7

+ sign 517.687+/-0.098 χ^2/NDF: 2003364.4/25

All: 512.899+/-0.069 χ^2/NDF: 3927241.4/52

- sign 508.091+/-0.098 χ^2/NDF: 1919102.1/26

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -12.496+/-20.639 χ^2/NDF:7.0/9

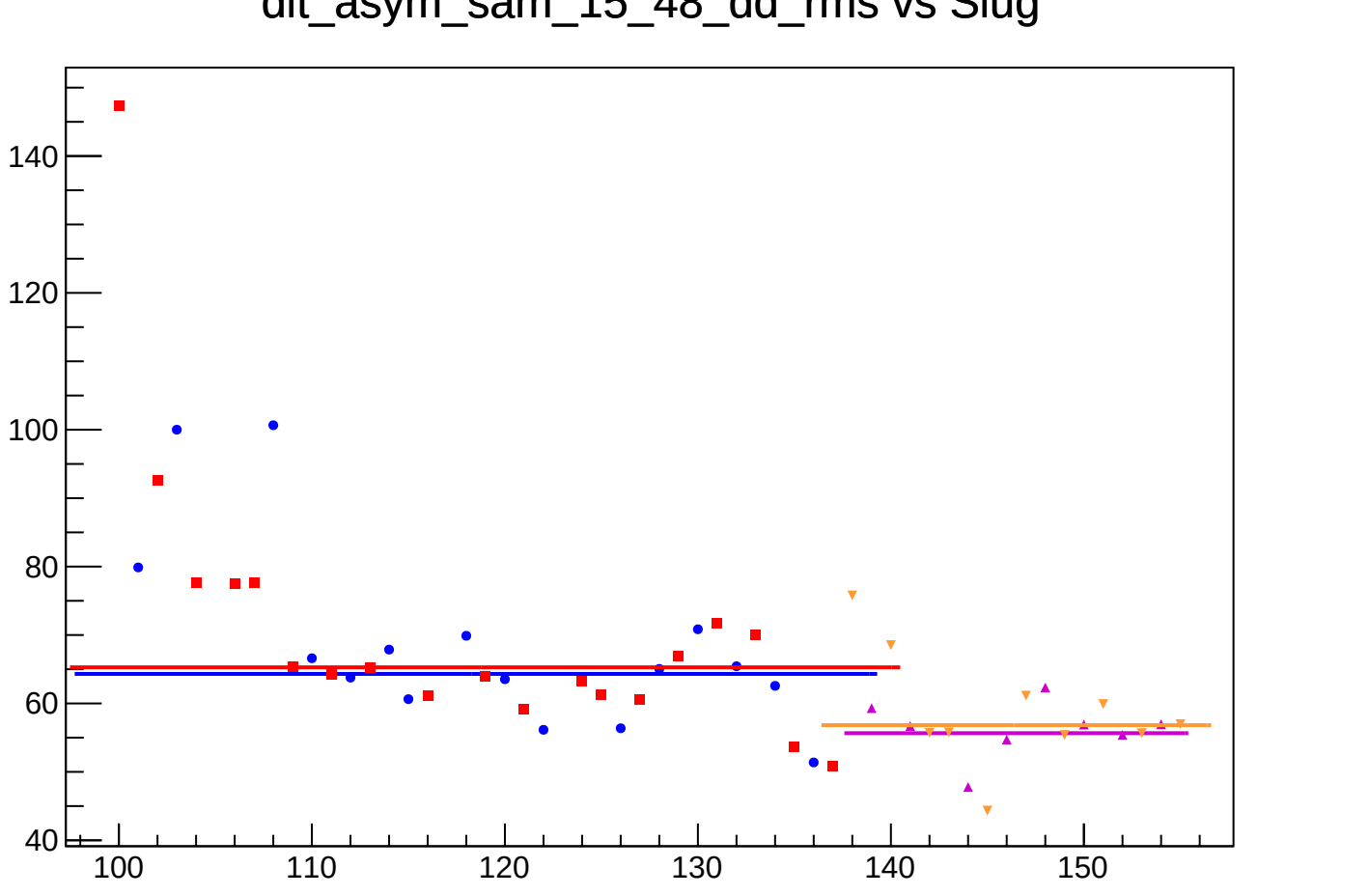
Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 38.860+/-21.358 χ^2/NDF:4.5/7

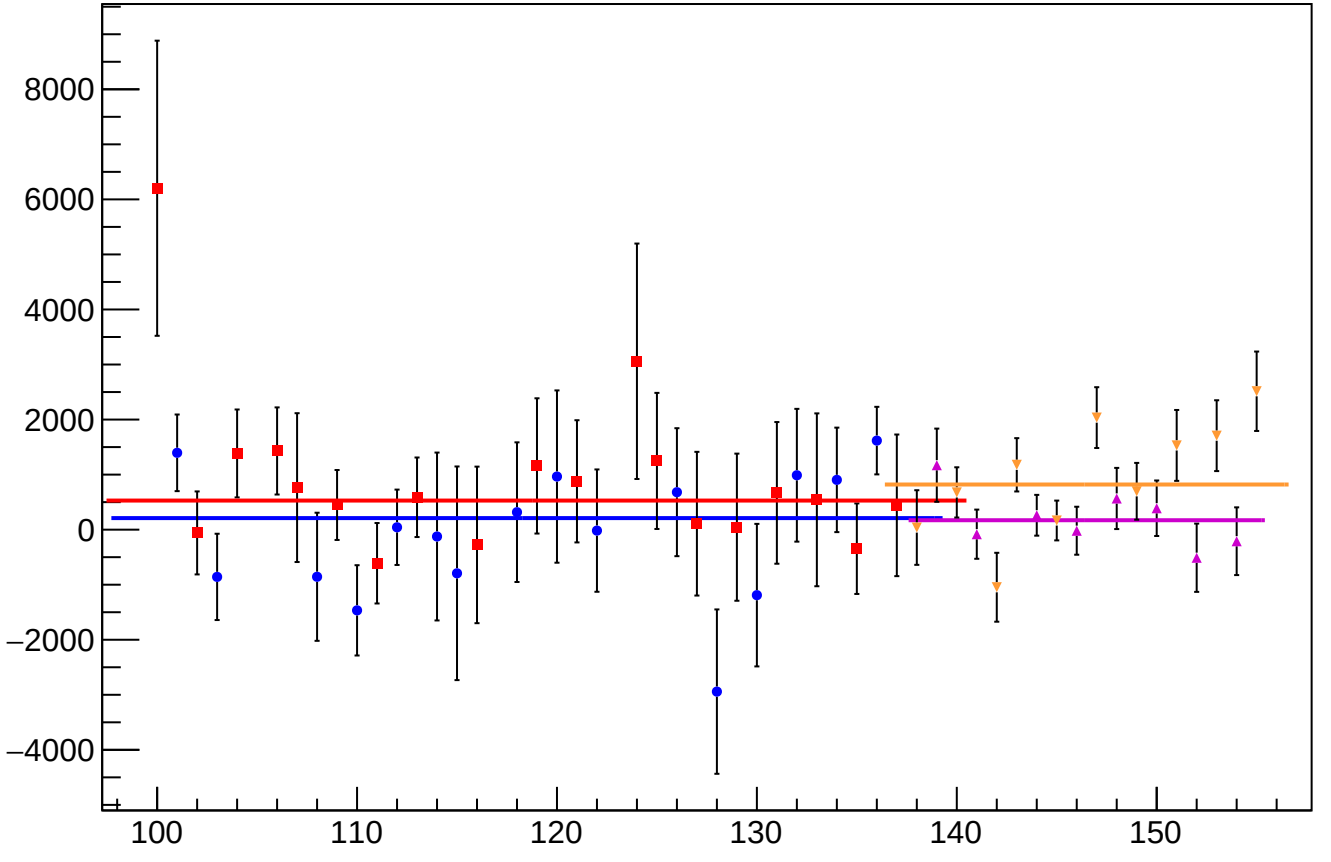
+ sign 13.812+/-15.783 χ^2/NDF: 24.7/25

All: 15.399+/-11.253 χ^2/NDF: 55.7/52

- sign 17.041+/-16.049 χ^2/NDF: 31.0/26


dit_asym_sam_15_48_dd_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
Right In: 64.317+/-0.017 χ²/NDF: 464952.4/15
Left Out: 56.823+/-0.015 χ²/NDF:281308.2/9
Right Out: 65.277+/-0.017 χ²/NDF: 319136.6/18
Left In: 55.656+/-0.015 χ²/NDF:74765.8/7
+ sign 59.935+/-0.011 χ²/NDF: 855737.3/25
All: 59.891+/-0.008 χ²/NDF: 1426347.4/52
- sign 59.845+/-0.011 χ²/NDF: 570578.0/26

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 820.231+/-168.471 χ^2/NDF:27.7/9

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

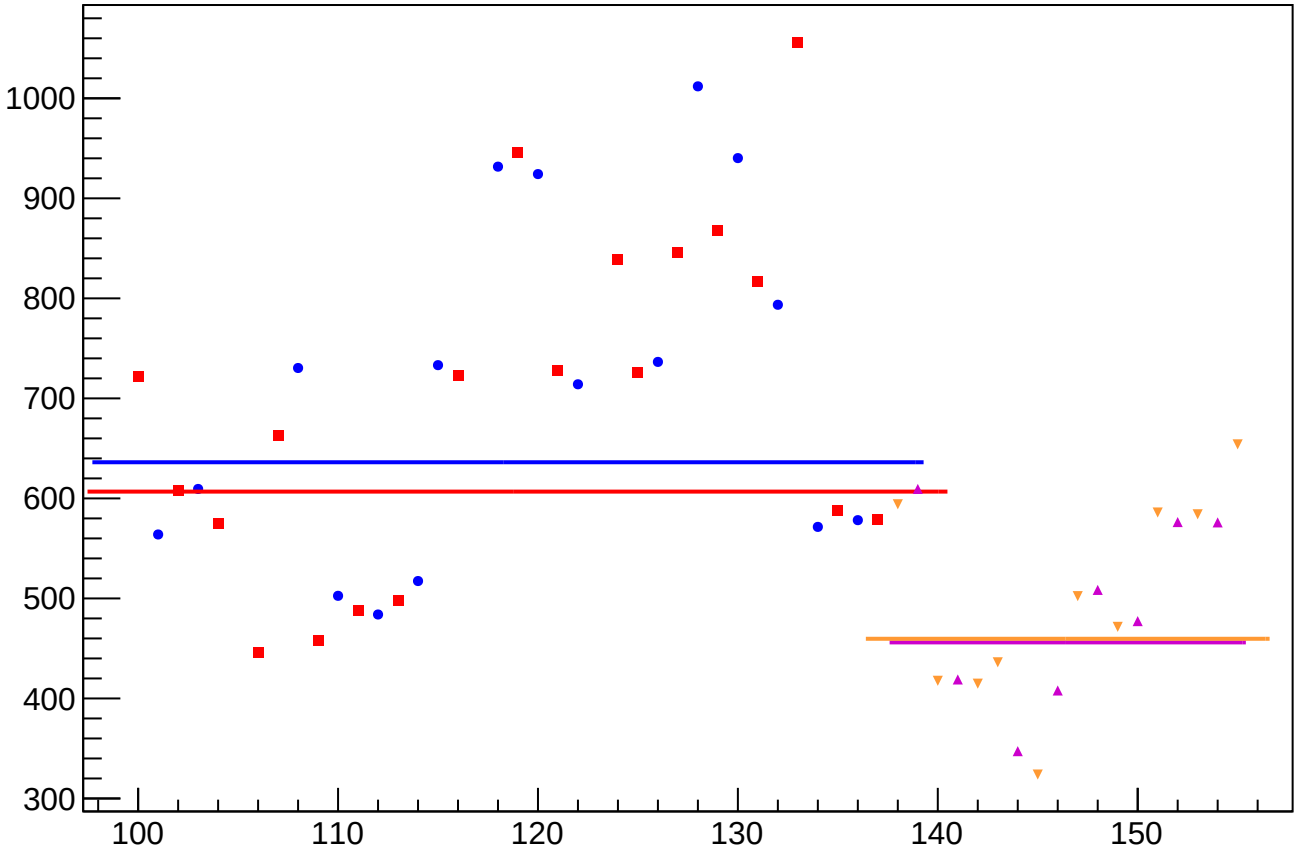
Left In: 171.326+/-176.135 χ^2/NDF:5.1/7

+ sign 623.016+/-138.598 χ^2/NDF: 54.3/25

All: 464.679+/-98.415 χ^2/NDF: 77.4/52

- sign 303.658+/-139.768 χ^2/NDF: 20.5/26

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 459.666+/-0.119 χ^2/NDF:702621.7/9

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

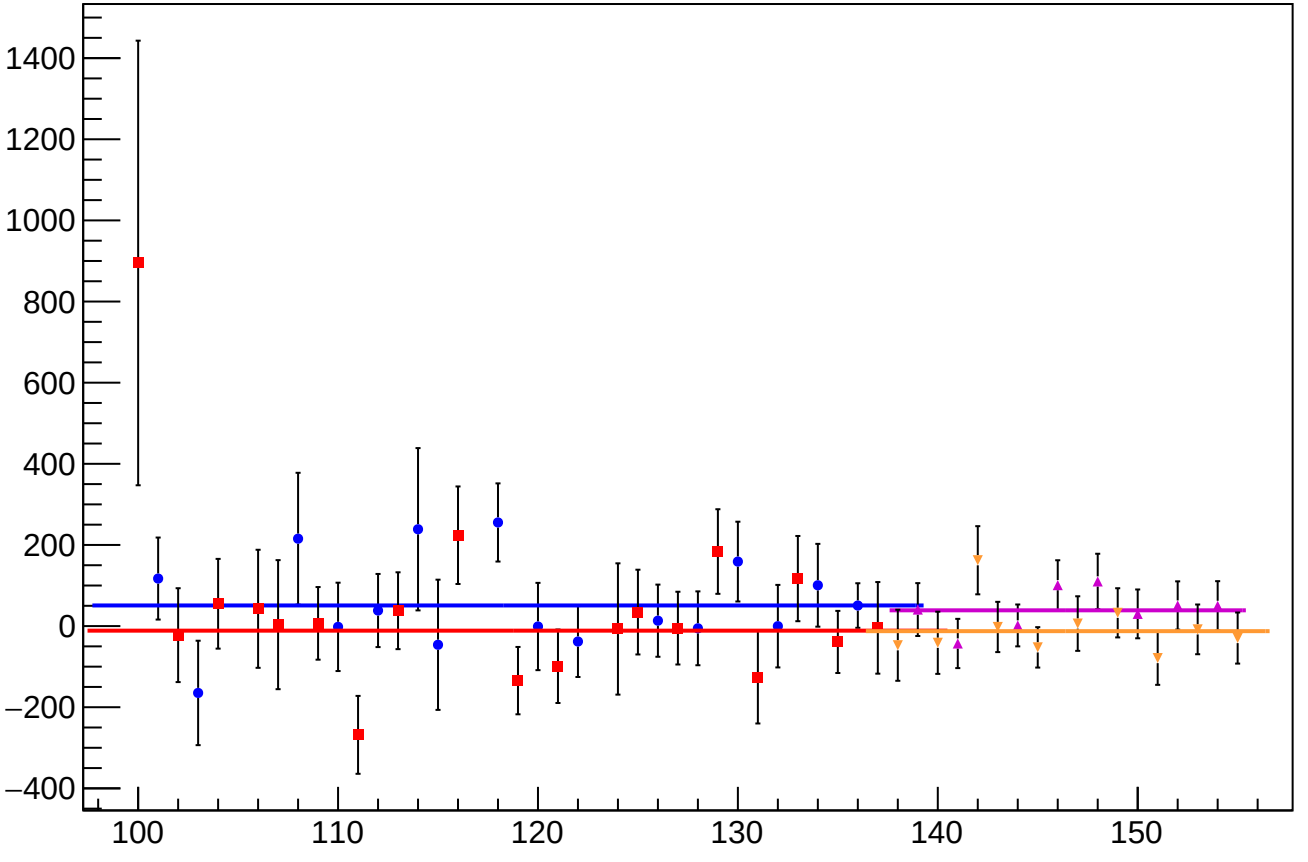
Left In: 456.044+/-0.125 χ^2/NDF:489585.2/7

+ sign 516.702+/-0.098 χ^2/NDF: 2117142.4/25

All: 514.308+/-0.070 χ^2/NDF: 4044405.4/52

- sign 511.873+/-0.099 χ^2/NDF: 1926059.1/26

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -12.496+/-20.639 χ^2/NDF:7.0/9

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

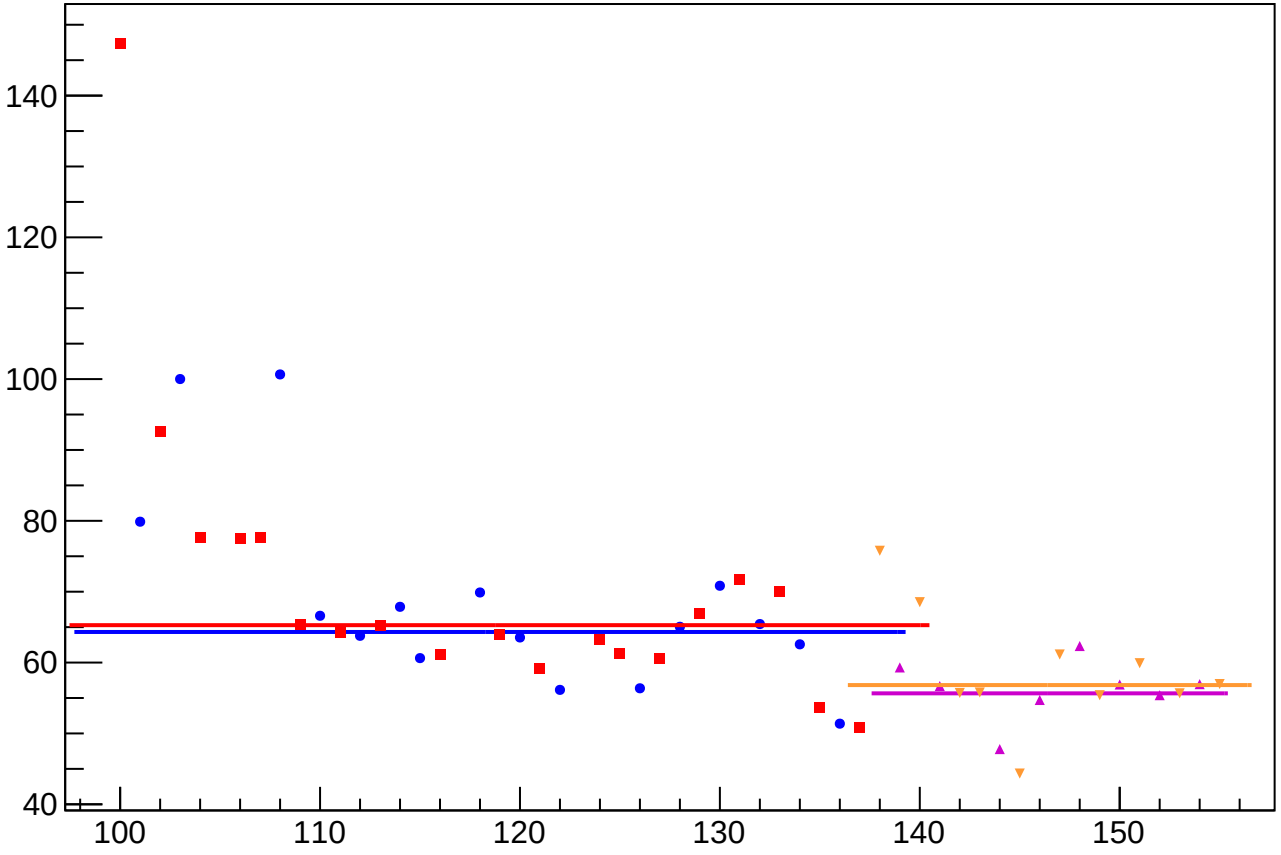
Left In: 38.860+/-21.358 χ^2/NDF:4.5/7

+ sign 13.812+/-15.783 χ^2/NDF: 24.7/25

All: 15.399+/-11.253 χ^2/NDF: 55.7/52

- sign 17.041+/-16.049 χ^2/NDF: 31.0/26

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.824+/-0.015 χ^2/NDF:281294.6/9

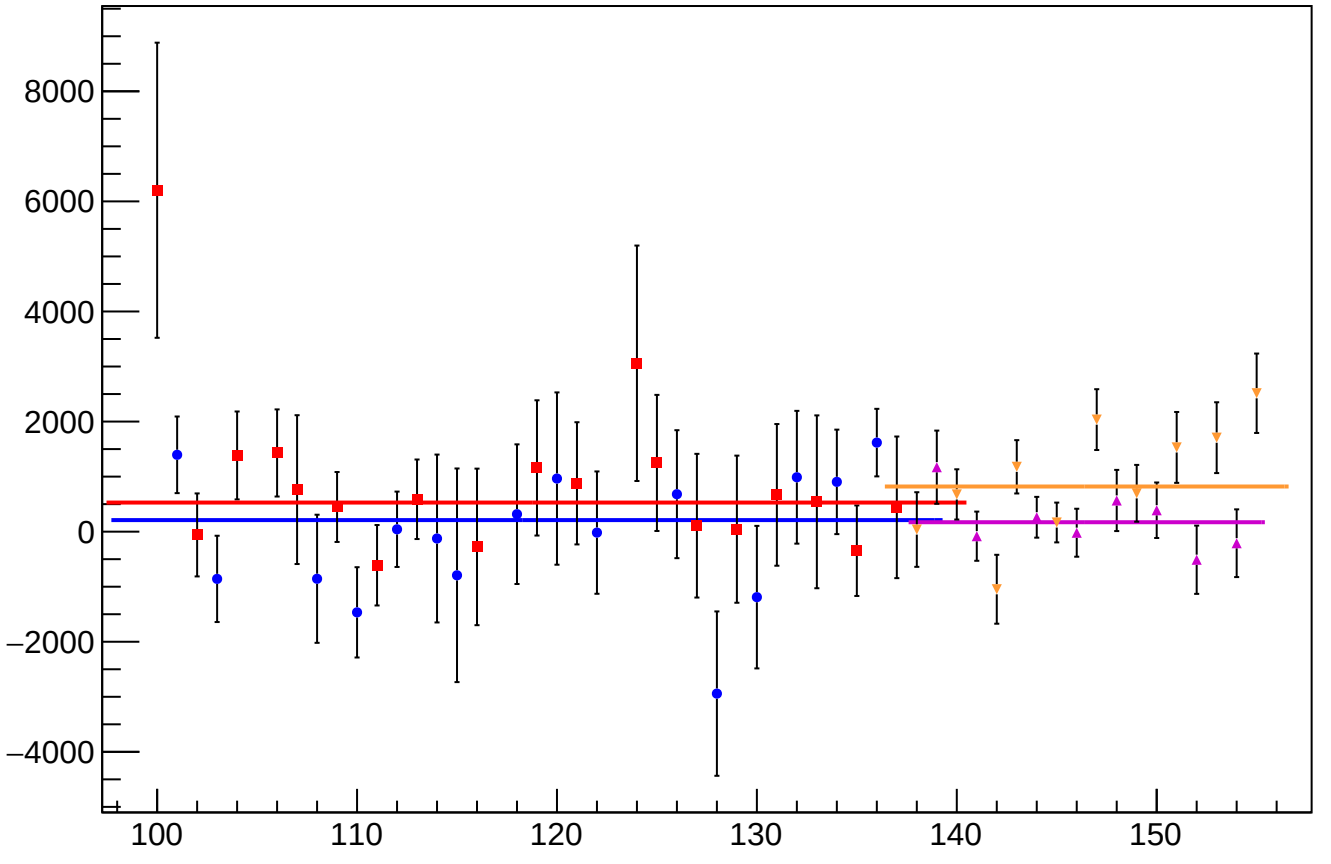
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.657+/-0.015 χ^2/NDF:74761.1/7

+ sign 59.935+/-0.011 χ^2/NDF: 855714.9/25

All: 59.891+/-0.008 χ^2/NDF: 1426315.8/52

- sign 59.845+/-0.011 χ^2/NDF: 570568.7/26



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 820.229+/-168.470 χ^2/NDF:27.7/9

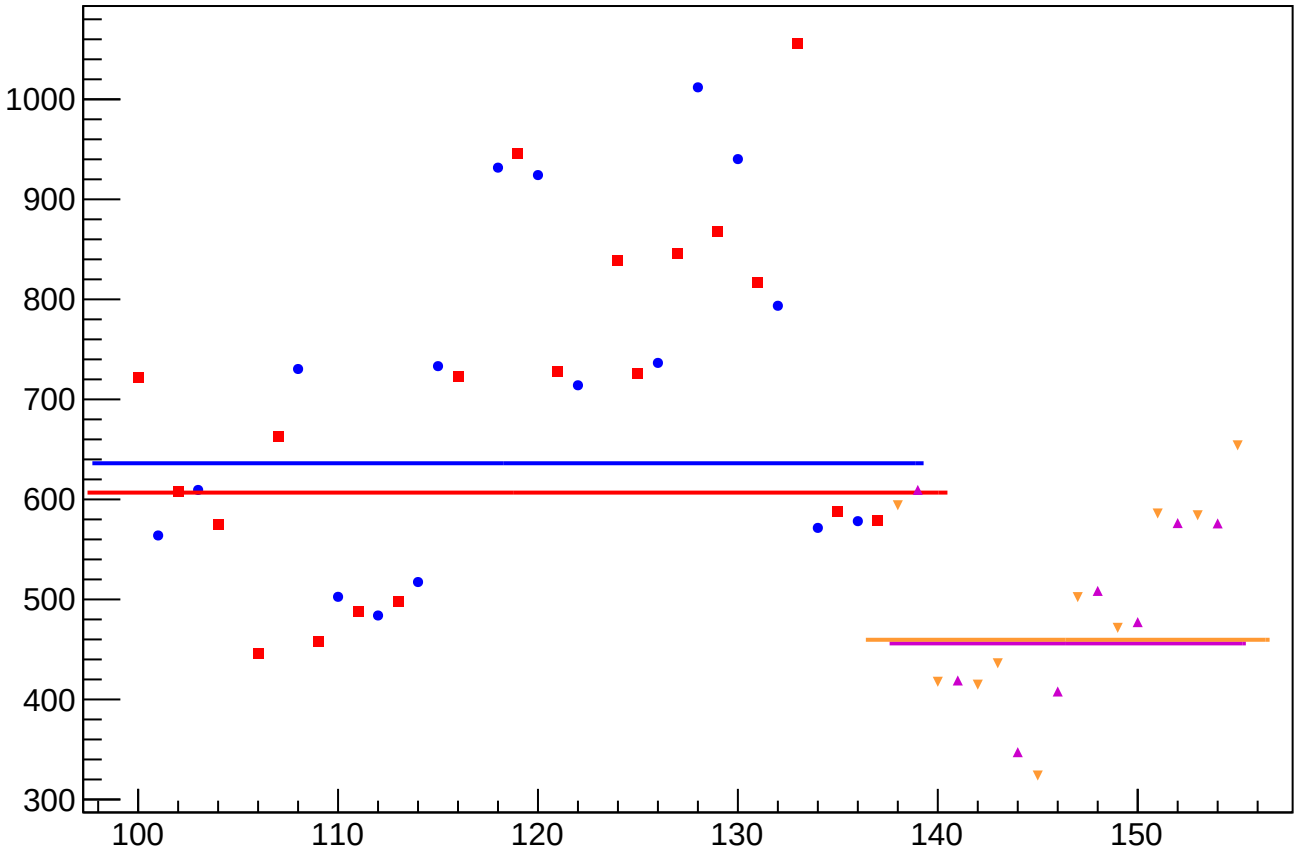
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 171.326+/-176.135 χ^2/NDF:5.1/7

\+ sign 623.015+/-138.598 χ^2/NDF: 54.3/25

All: 464.678+/-98.415 χ^2/NDF: 77.4/52

\- sign 303.658+/-139.768 χ^2/NDF: 20.5/26



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 459.665+/-0.119 χ^2/NDF:702627.9/9

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

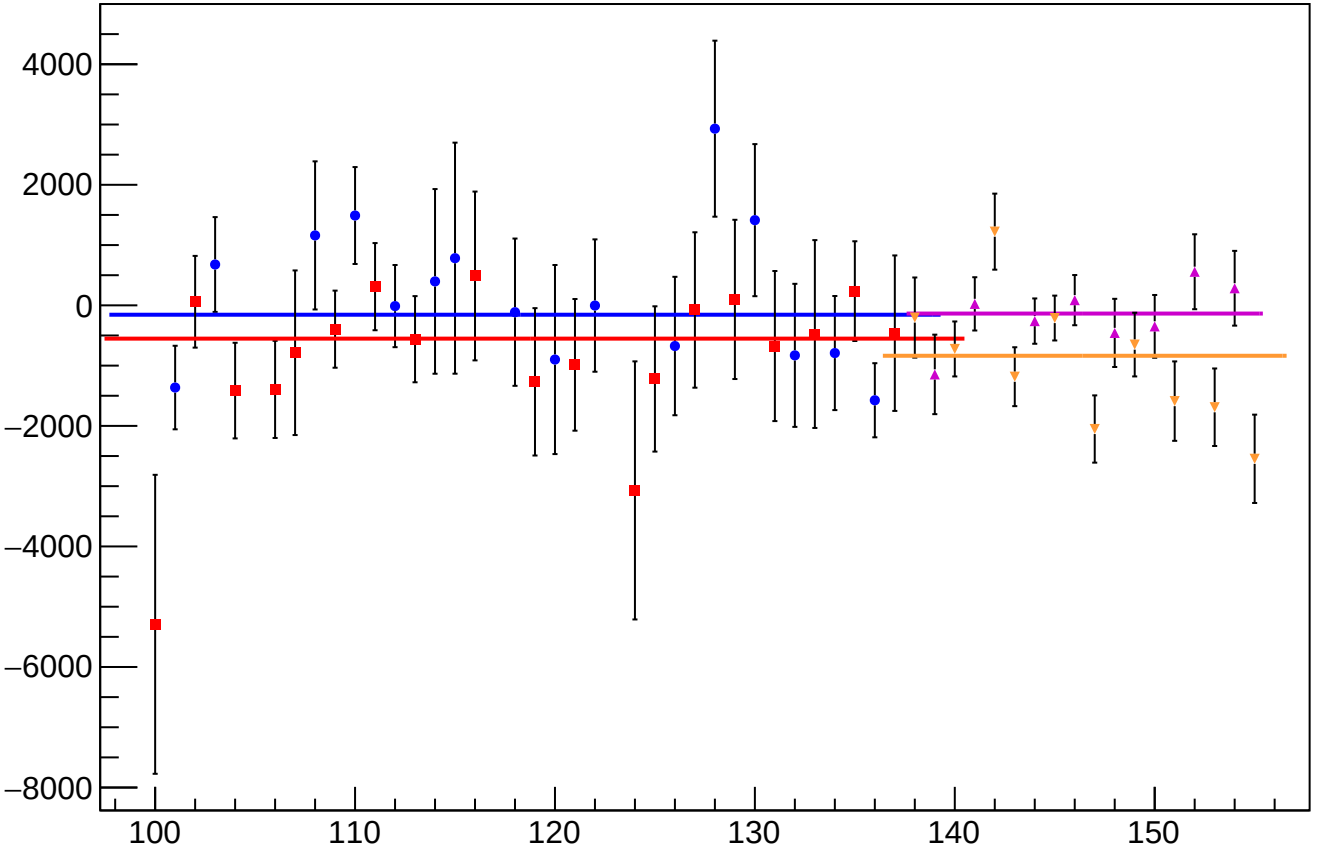
Left In: 456.044+/-0.125 χ^2/NDF:489585.6/7

+ sign 516.701+/-0.098 χ^2/NDF: 2117156.1/25

All: 514.307+/-0.070 χ^2/NDF: 4044422.4/52

- sign 511.872+/-0.099 χ^2/NDF: 1926062.5/26

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -836.506+/-170.557 χ^2/NDF:28.3/9

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

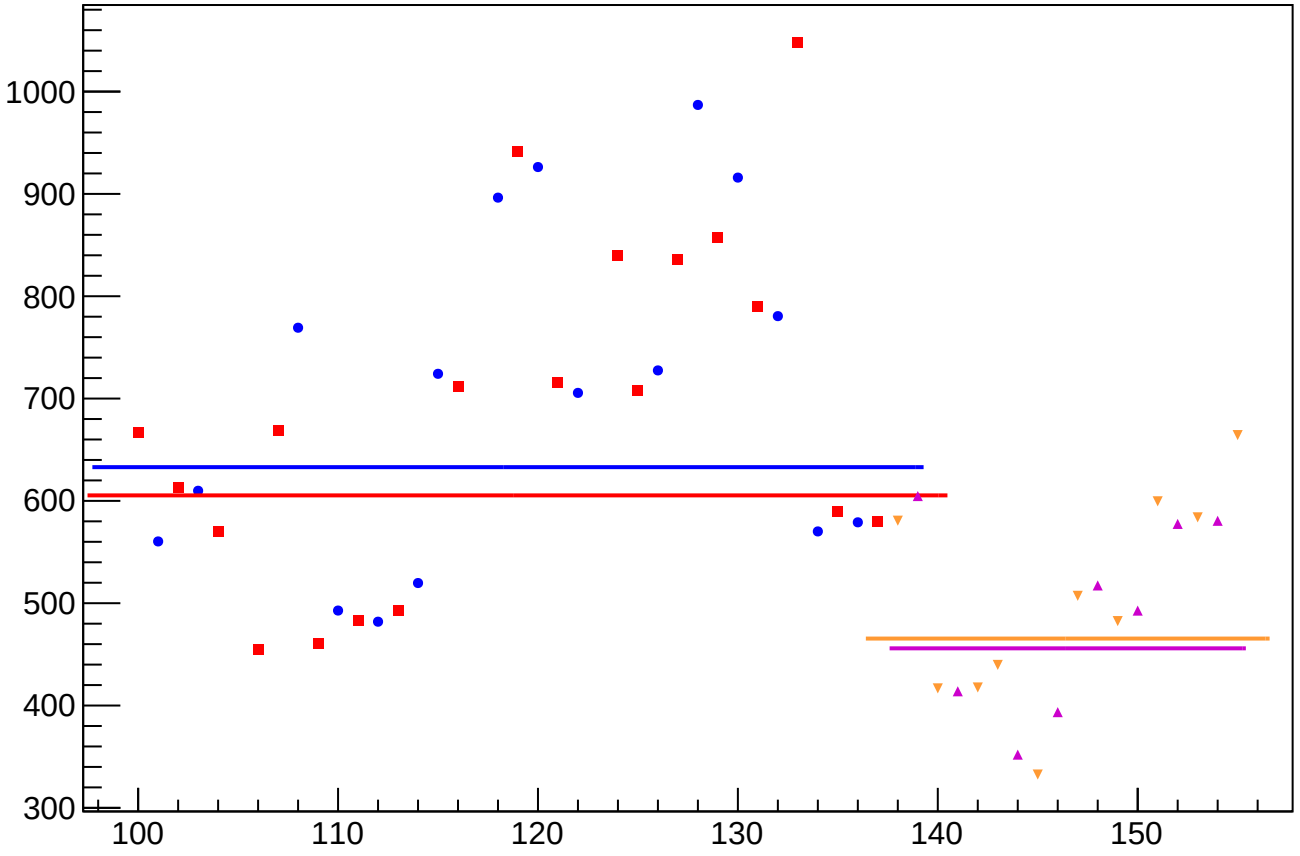
Left In: -136.238+/-176.049 χ^2/NDF:5.1/7

+ sign -611.291+/-139.525 χ^2/NDF: 56.1/25

All: -451.089+/-98.667 χ^2/NDF: 78.0/52

- sign -290.839+/-139.547 χ^2/NDF: 19.3/26

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 465.446+/-0.121 χ^2/NDF:666195.2/9

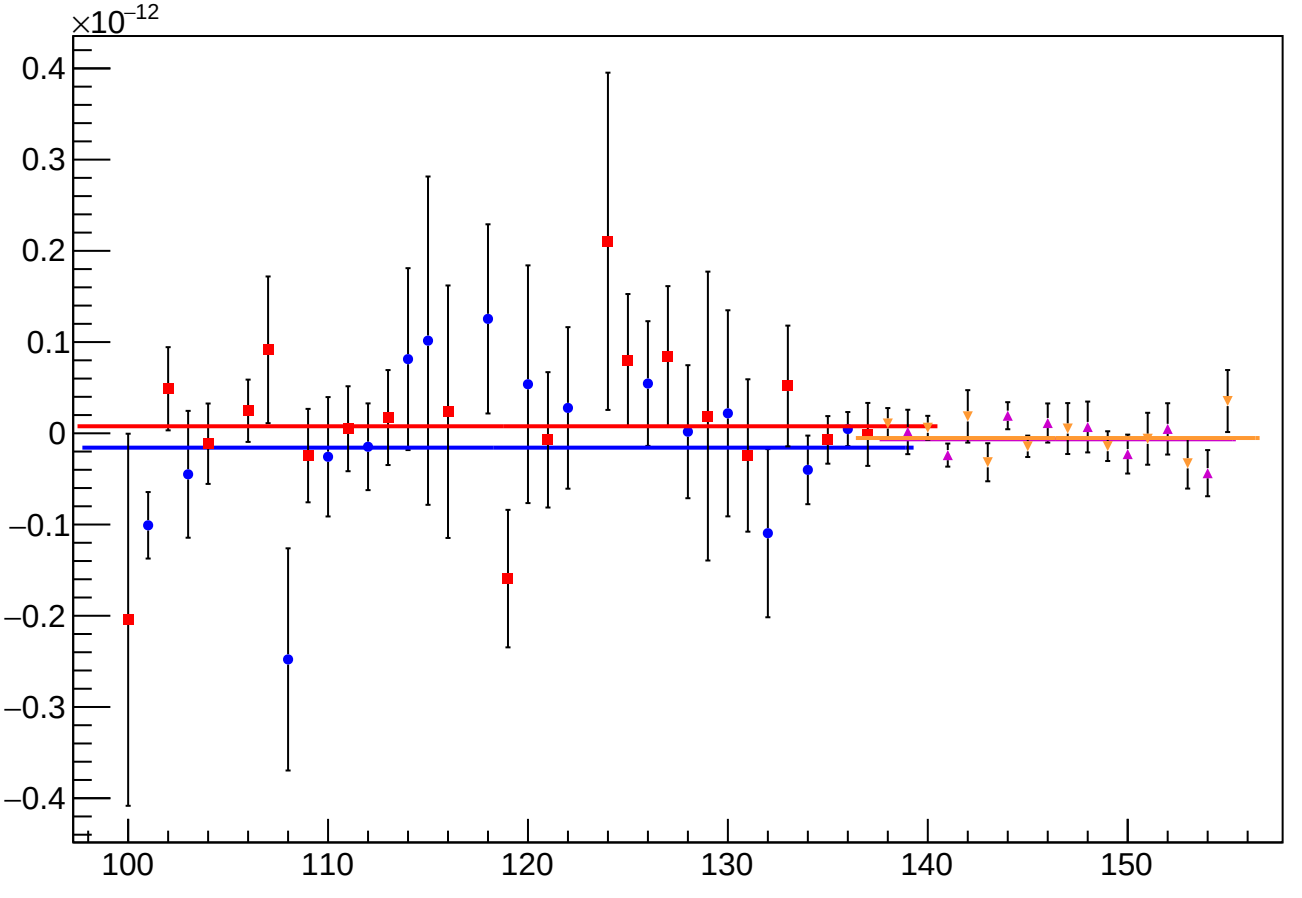
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 455.894+/-0.124 χ^2/NDF:508401.9/7

+ sign 520.859+/-0.099 χ^2/NDF: 1985550.4/25

All: 516.157+/-0.070 χ^2/NDF: 3888418.2/52

- sign 511.455+/-0.099 χ^2/NDF: 1898325.7/26



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.4/9

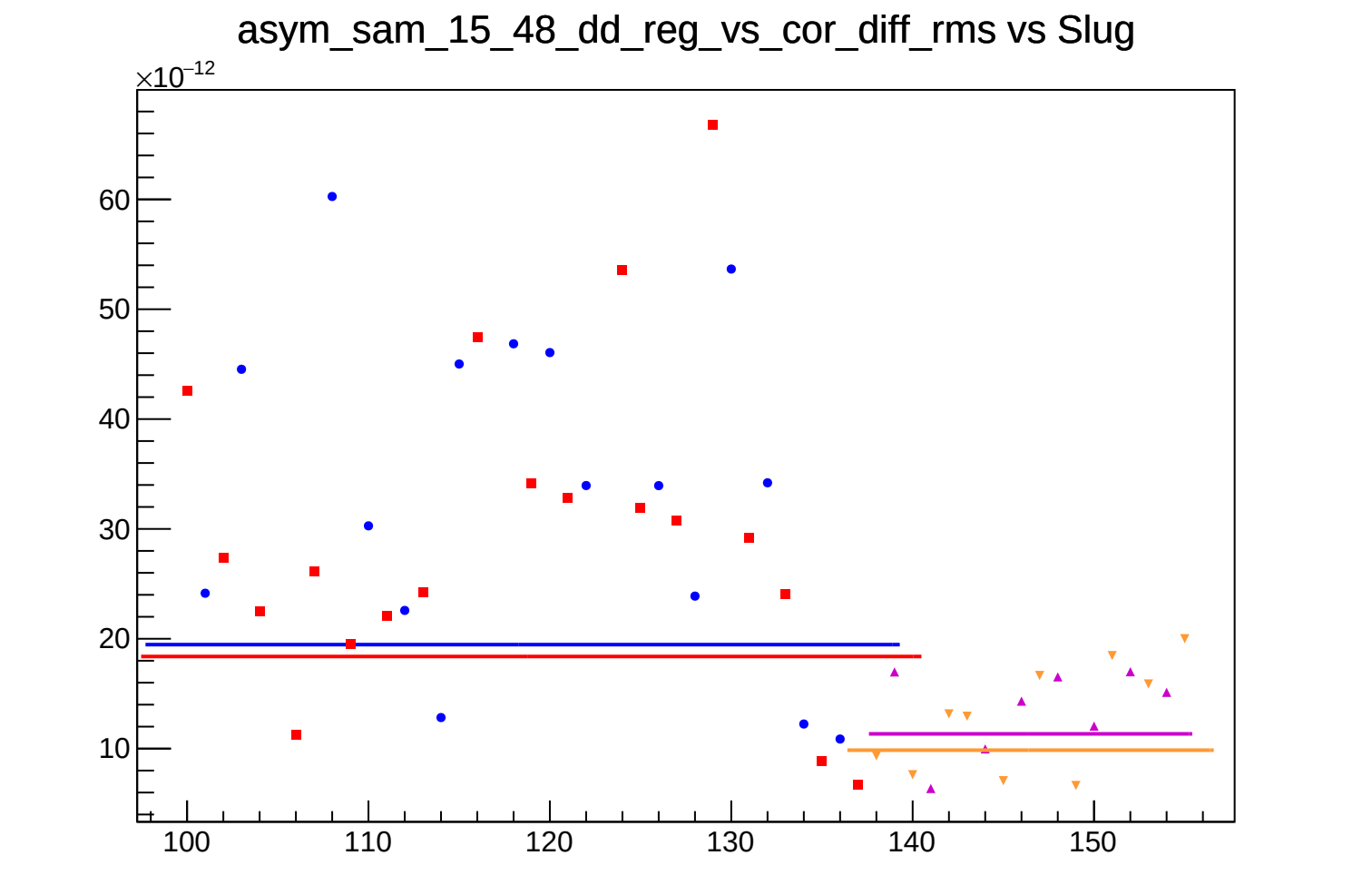
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 24.9/25

All: -0.000+/-0.000 χ^2/NDF: 48.0/52

- sign -0.000+/-0.000 χ^2/NDF: 22.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:895787.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

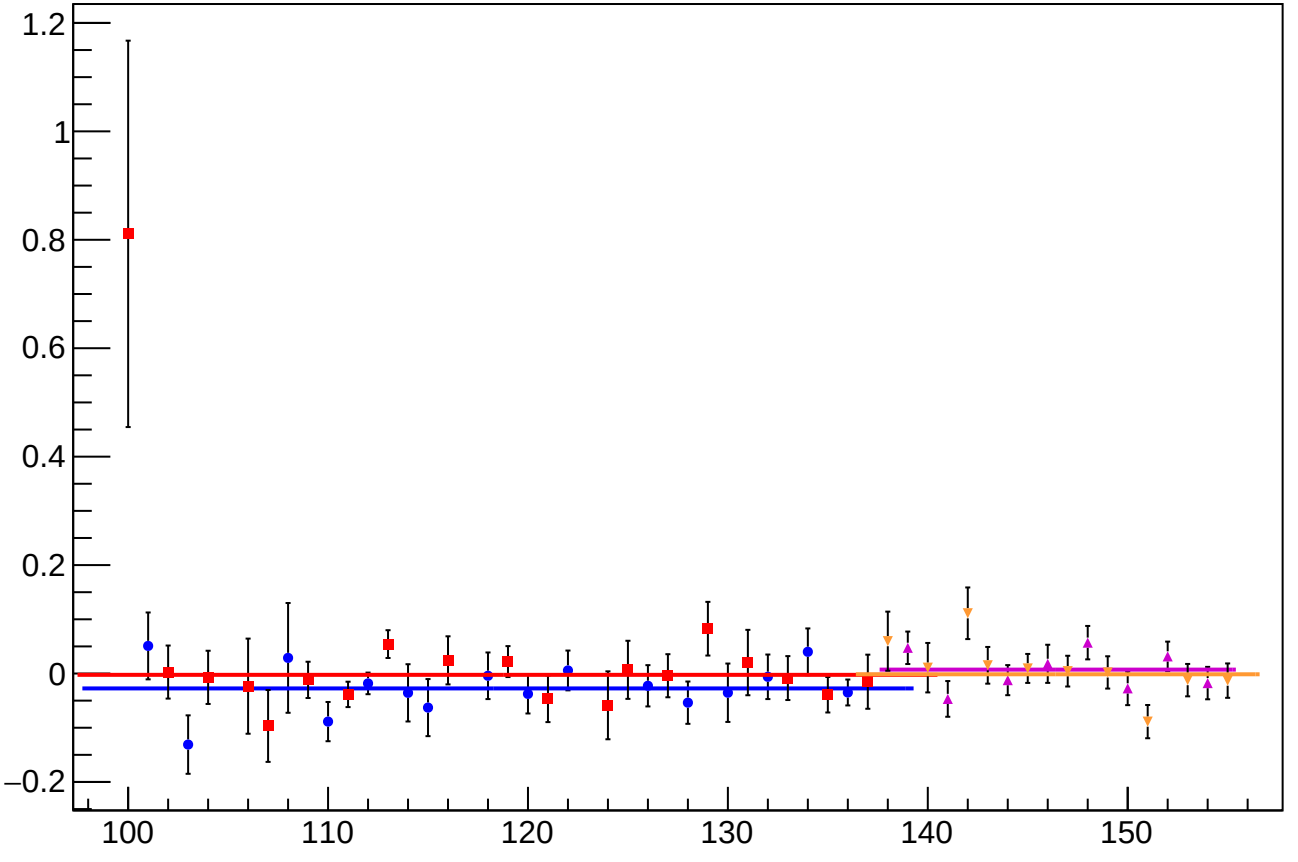
Left In: 0.000+/-0.000 χ^2/NDF:669104.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 3583427.8/25

All: 0.000+/-0.000 χ^2/NDF: 6271320.9/52

- sign 0.000+/-0.000 χ^2/NDF: 2621324.6/26

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: -0.001+/-0.010 χ^2/NDF:15.8/9

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

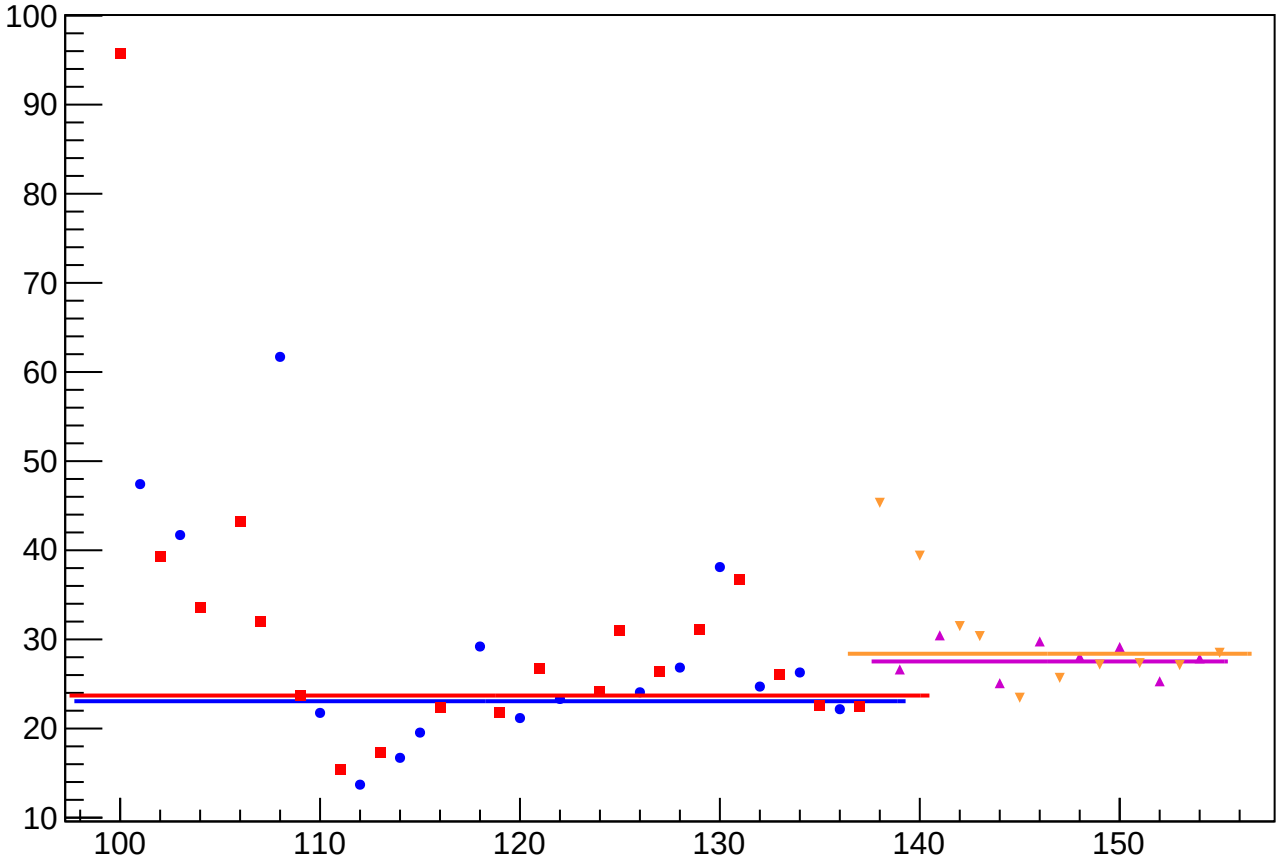
Left In: 0.007+/-0.011 χ^2/NDF:10.4/7

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/25

All: -0.007+/-0.005 χ^2/NDF: 69.0/52

- sign 0.002+/-0.007 χ^2/NDF: 33.0/26

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.392+/-0.007 χ^2/NDF:420537.9/9

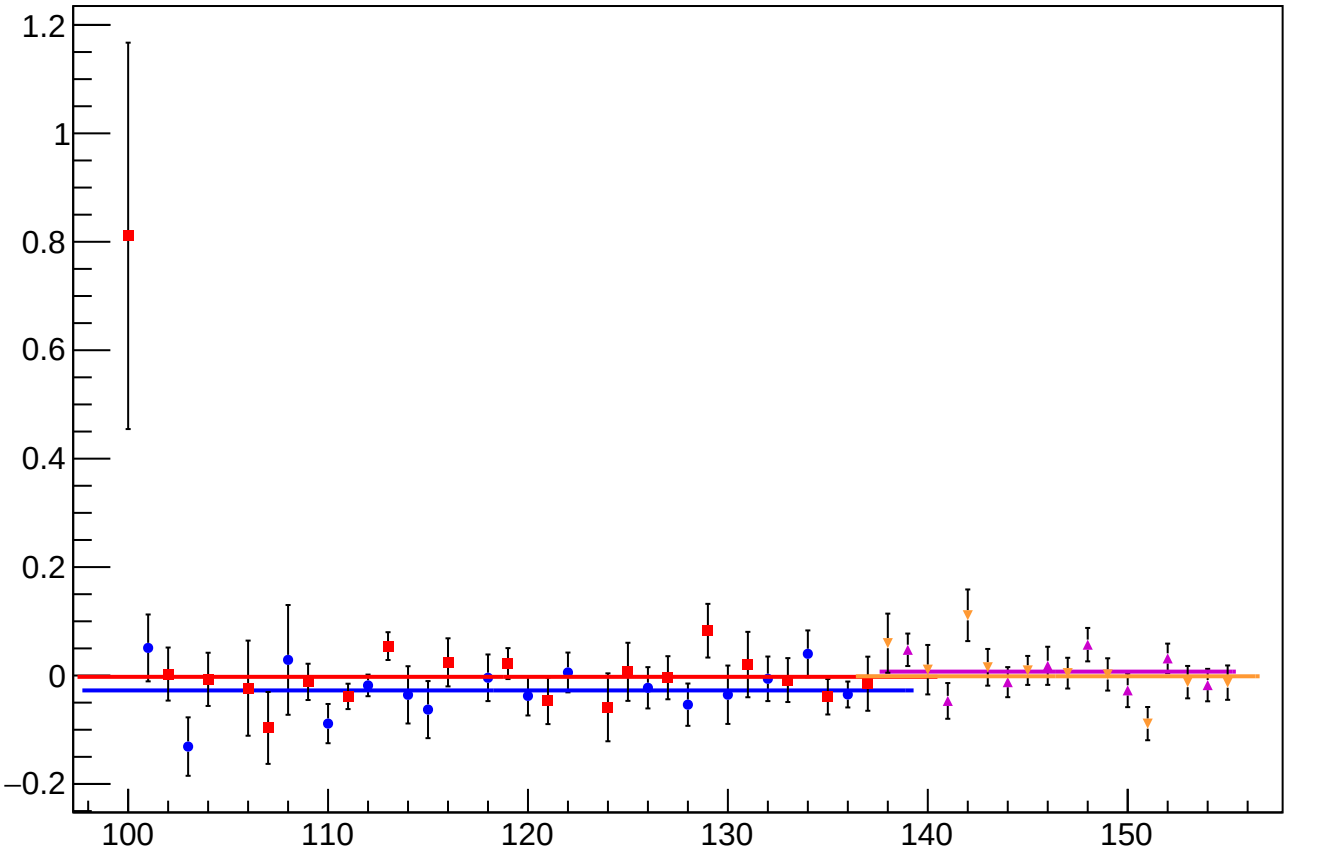
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.527+/-0.008 χ^2/NDF:60922.7/7

+ sign 25.435+/-0.005 χ^2/NDF: 2270972.1/25

All: 25.389+/-0.004 χ^2/NDF: 3565947.7/52

- sign 25.343+/-0.005 χ^2/NDF: 1294806.2/26



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.001+/-0.010 χ^2/NDF:15.8/9

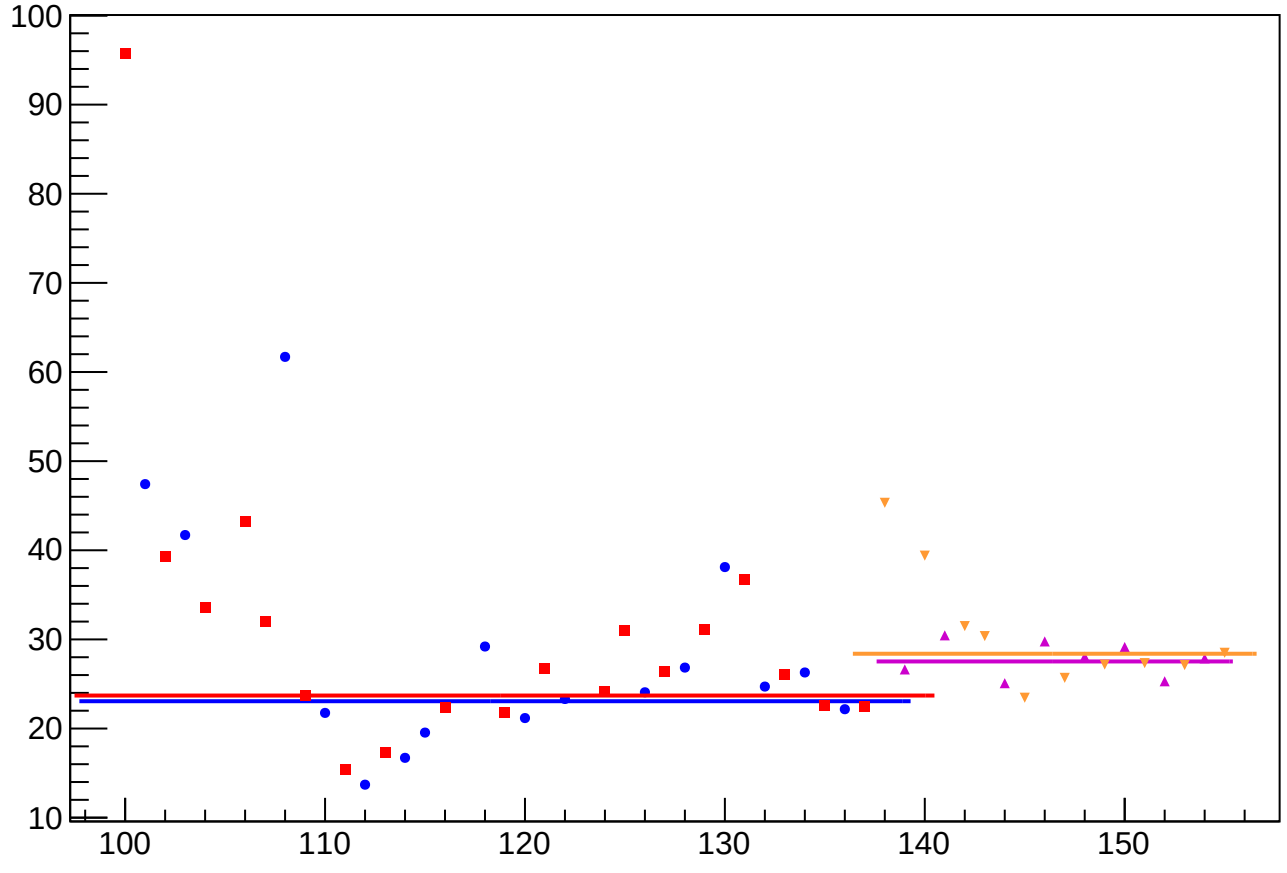
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.007+/-0.011 χ^2/NDF:10.4/7

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/25

All: -0.007+/-0.005 χ^2/NDF: 69.0/52

- sign 0.002+/-0.007 χ^2/NDF: 33.0/26



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.392+/-0.007 χ^2/NDF:420537.9/9

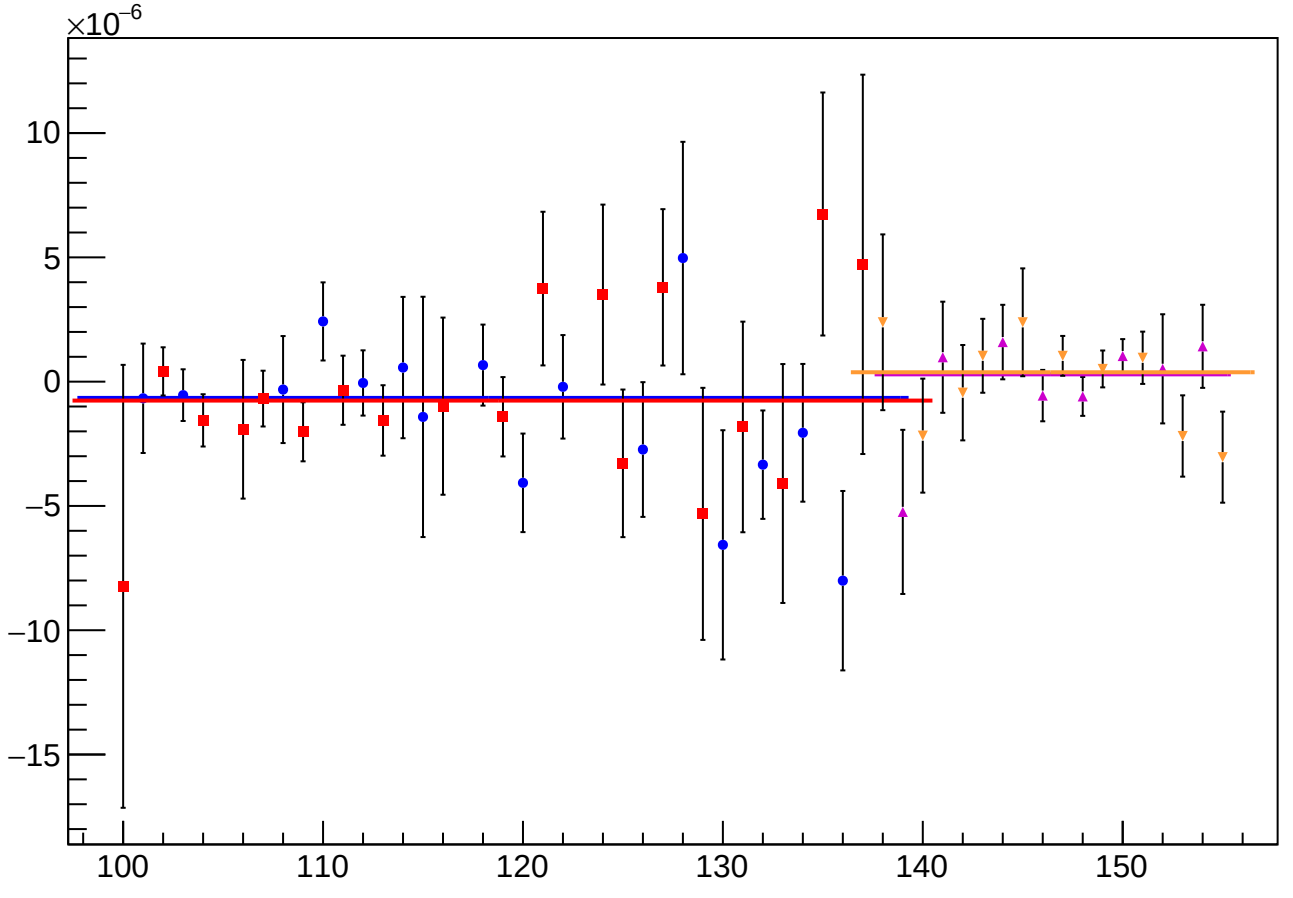
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.527+/-0.008 χ^2/NDF:60922.7/7

+ sign 25.435+/-0.005 χ^2/NDF: 2270972.1/25

All: 25.389+/-0.004 χ^2/NDF: 3565947.7/52

- sign 25.343+/-0.005 χ^2/NDF: 1294806.2/26



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/9

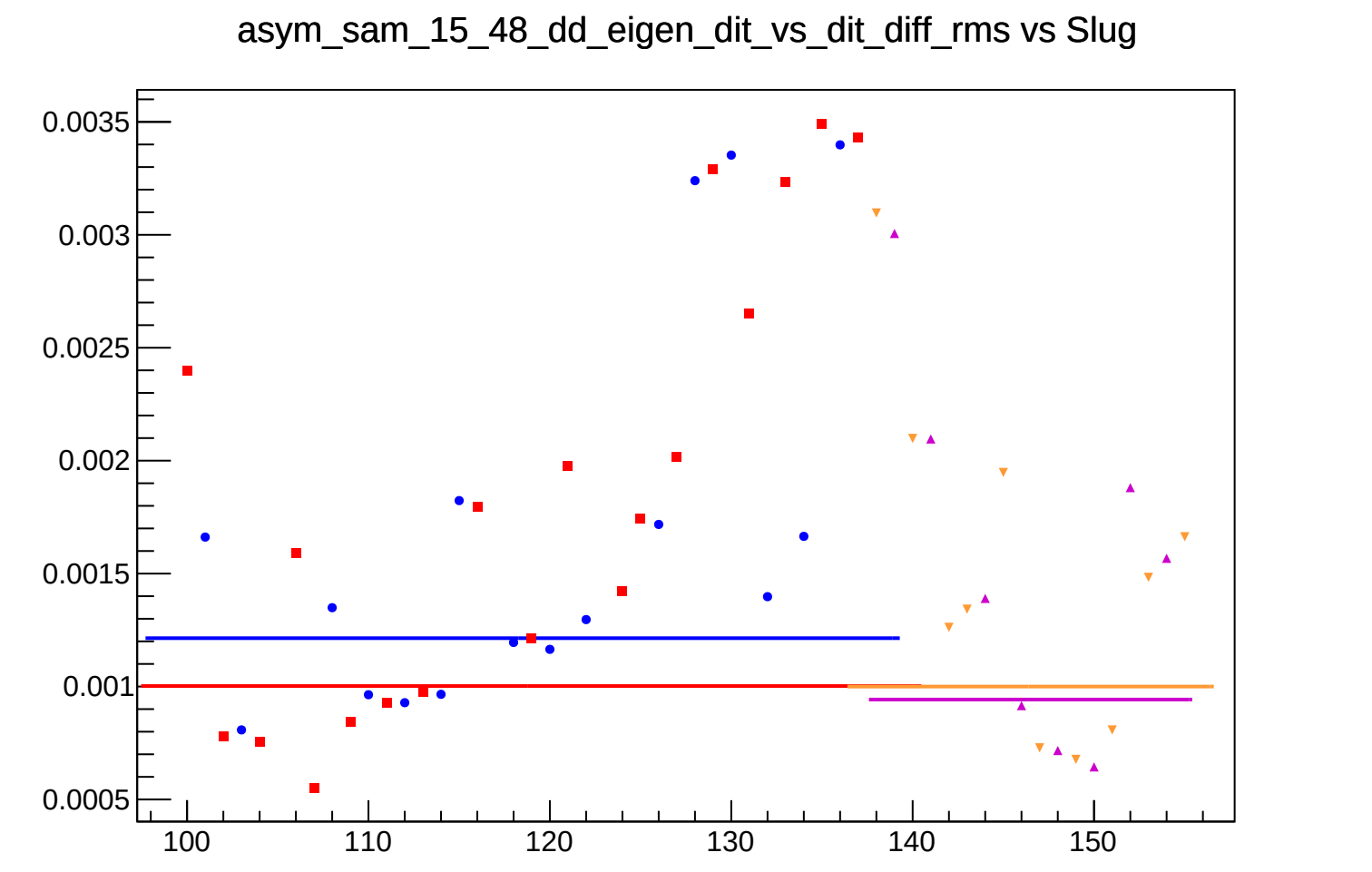
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

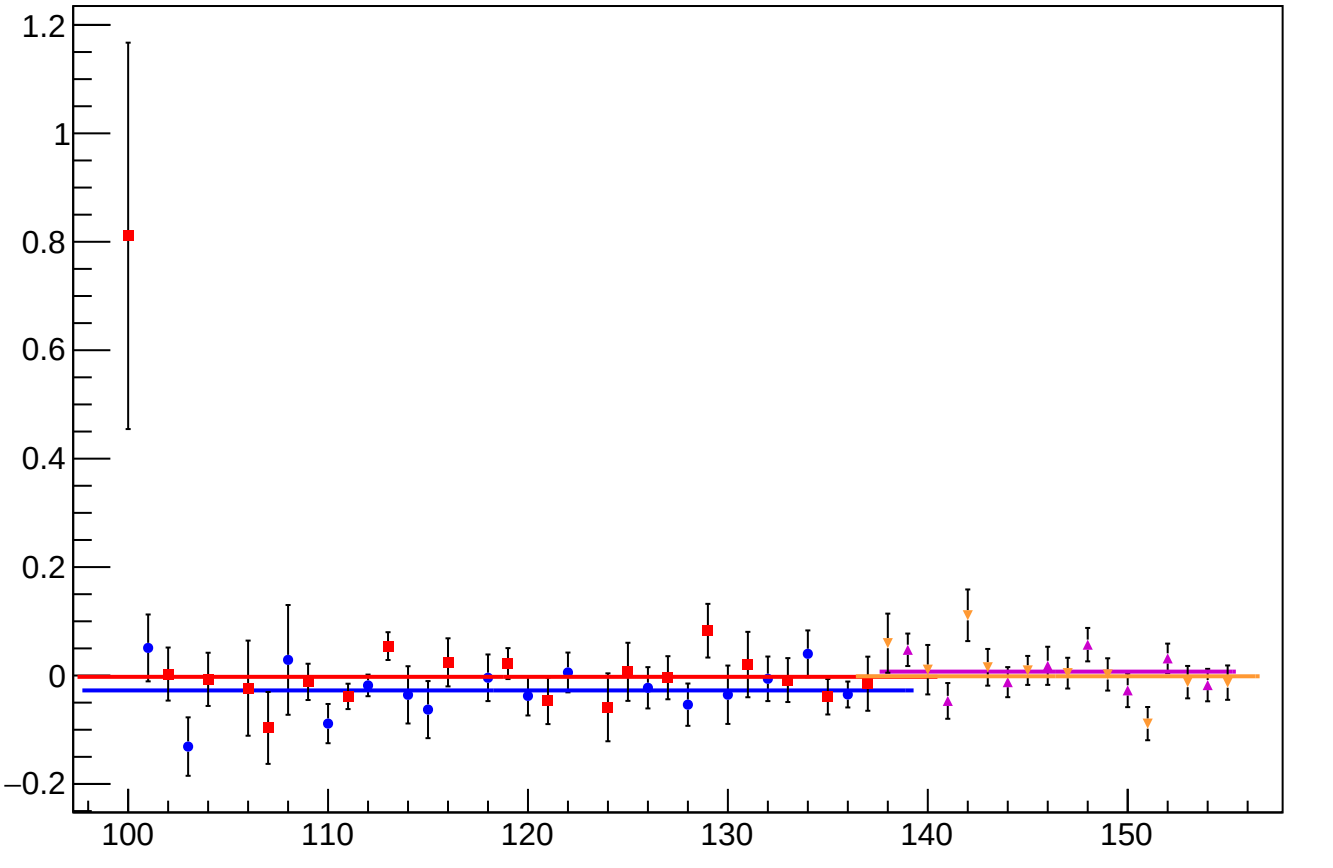
Left In: 0.000+/-0.000 χ^2/NDF:7.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/25

All: -0.000+/-0.000 χ^2/NDF: 55.8/52

- sign -0.000+/-0.000 χ^2/NDF: 25.7/26


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
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:2798943.7/9
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:2690260.0/7
+ sign 0.001+/-0.000 χ²/NDF: 5289102.3/25
All: 0.001+/-0.000 χ²/NDF: 11416382.0/52
- sign 0.001+/-0.000 χ²/NDF: 5988413.6/26



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.001+/-0.010 χ^2/NDF:15.8/9

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

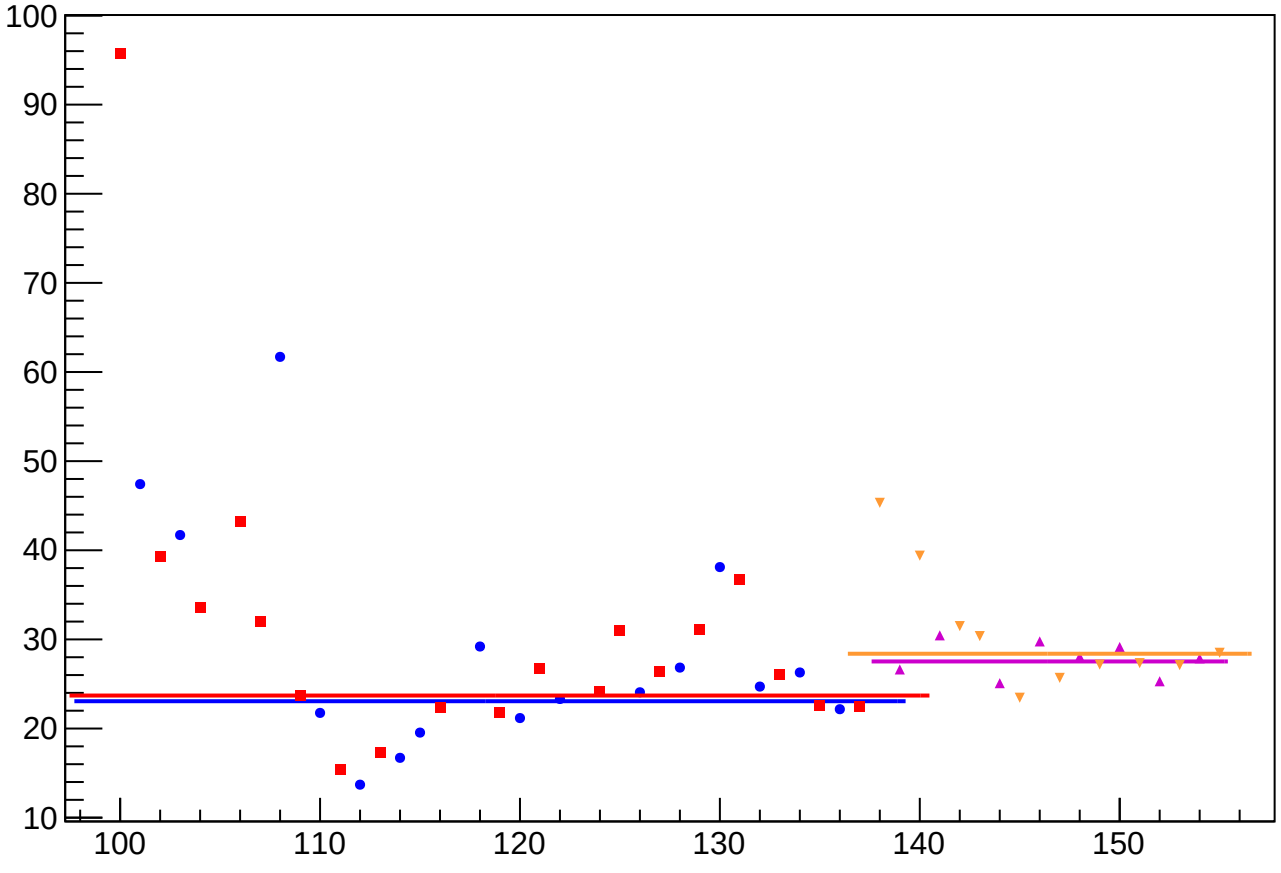
Left In: 0.007+/-0.011 χ^2/NDF:10.4/7

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/25

All: -0.007+/-0.005 χ^2/NDF: 69.0/52

- sign 0.002+/-0.007 χ^2/NDF: 33.0/26

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.392+/-0.007 χ^2/NDF:420498.5/9

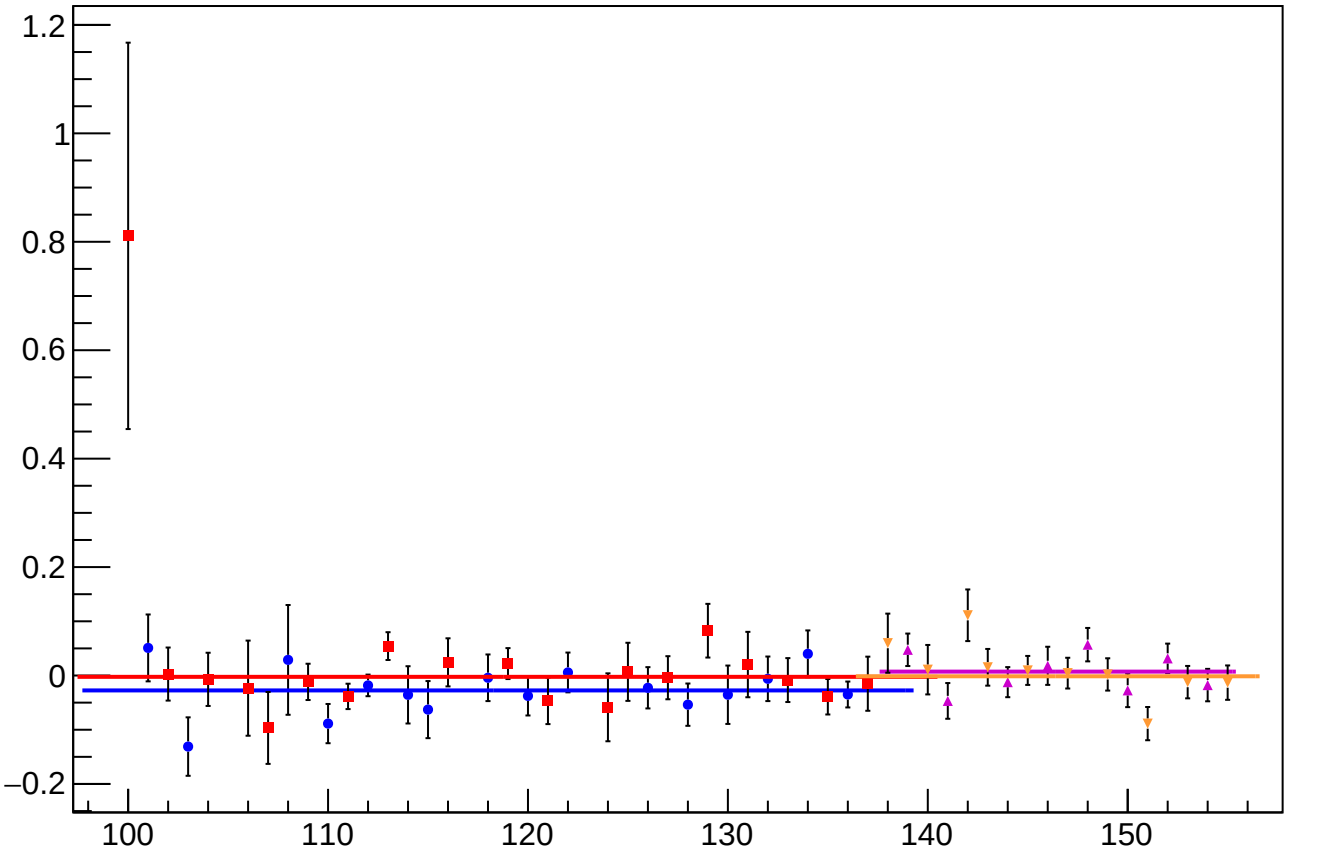
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.527+/-0.008 χ^2/NDF:60914.5/7

+ sign 25.435+/-0.005 χ^2/NDF: 2271004.3/25

All: 25.389+/-0.004 χ^2/NDF: 3566041.0/52

- sign 25.343+/-0.005 χ^2/NDF: 1294866.9/26



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.001+/-0.010 χ^2/NDF:15.8/9

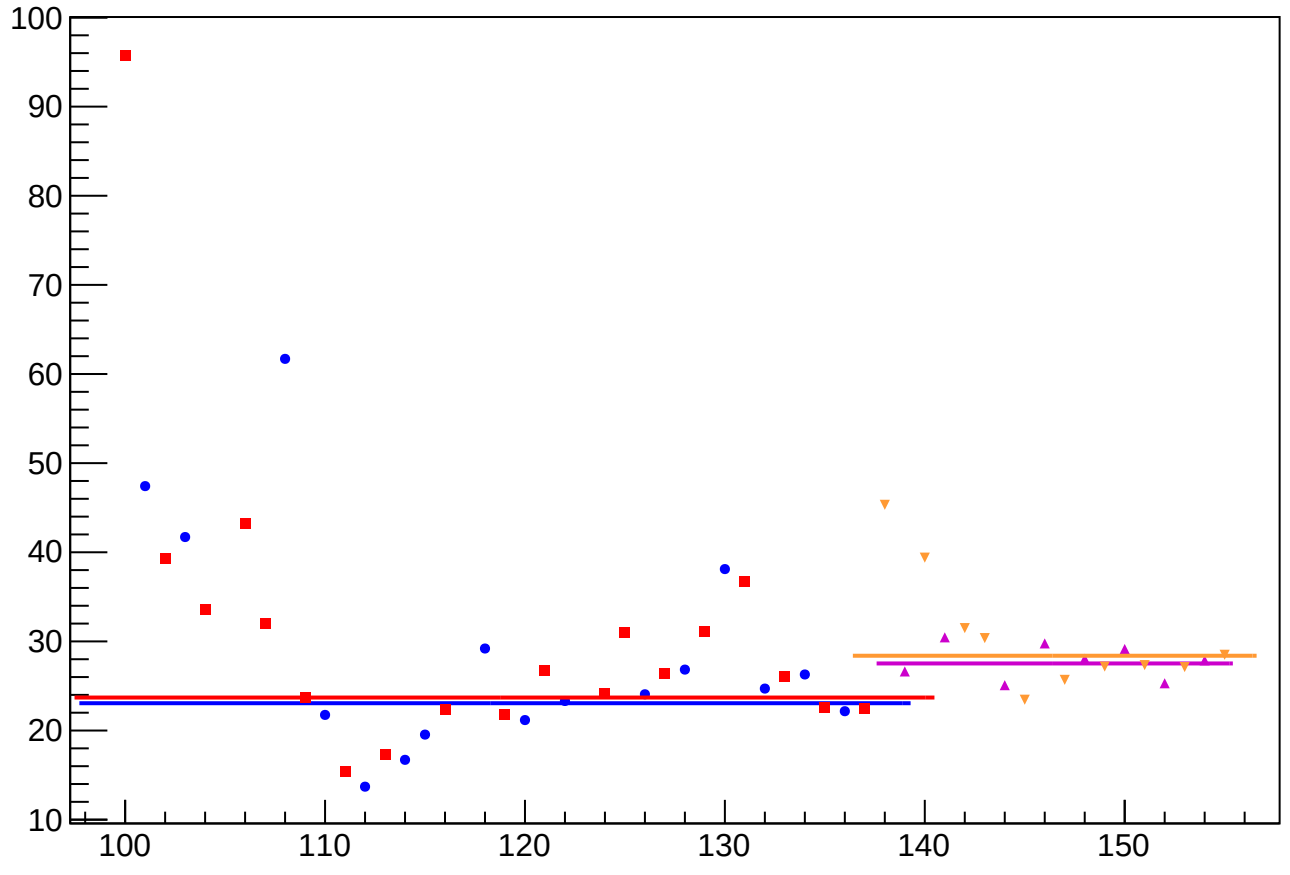
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.007+/-0.011 χ^2/NDF:10.4/7

+ sign -0.016+/-0.007 χ^2/NDF: 32.8/25

All: -0.007+/-0.005 χ^2/NDF: 69.0/52

- sign 0.002+/-0.007 χ^2/NDF: 33.0/26



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.392+/-0.007 χ^2/NDF:420498.5/9

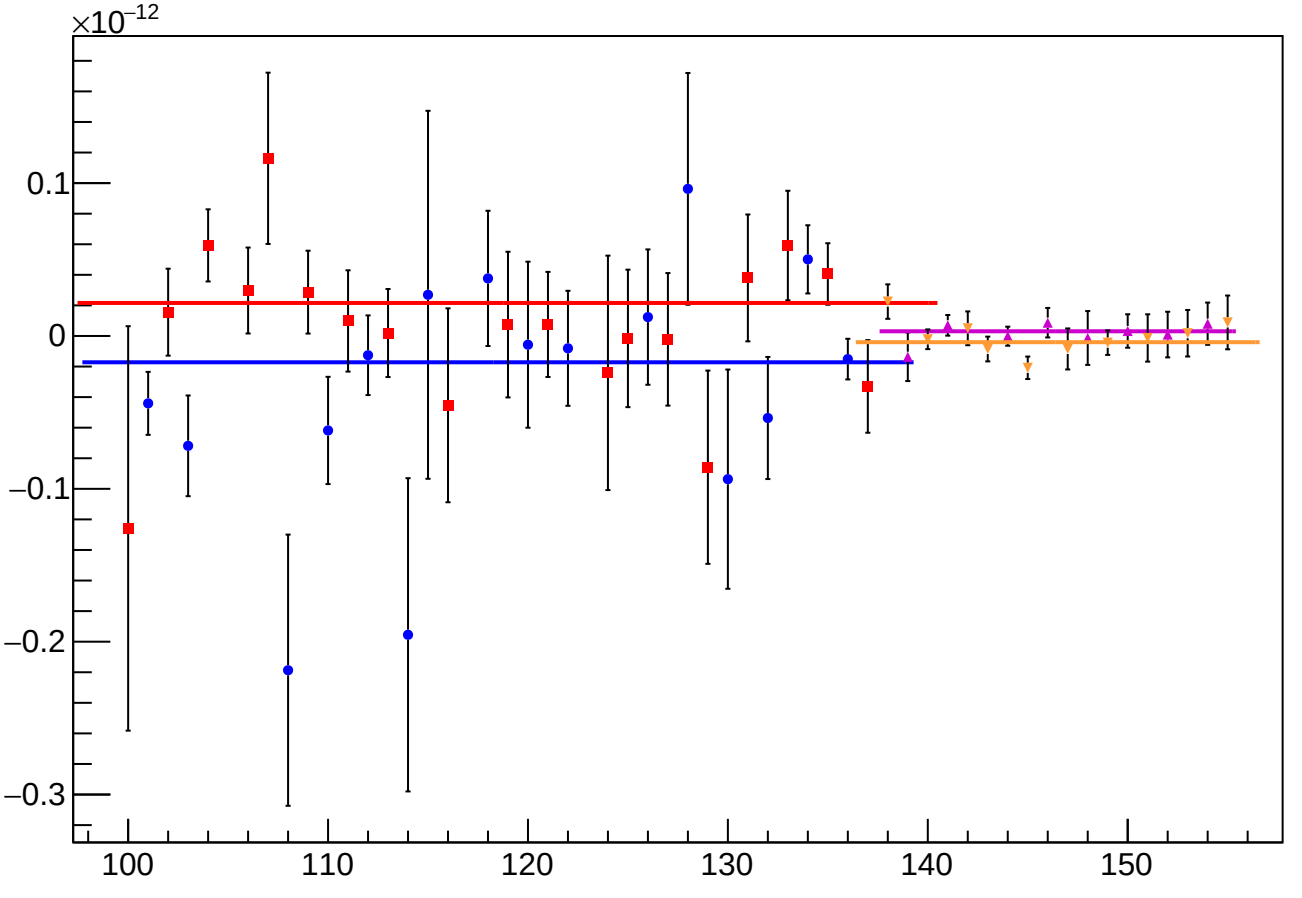
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.527+/-0.008 χ^2/NDF:60914.5/7

+ sign 25.435+/-0.005 χ^2/NDF: 2271004.3/25

All: 25.389+/-0.004 χ^2/NDF: 3566041.0/52

- sign 25.343+/-0.005 χ^2/NDF: 1294866.9/26



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/9

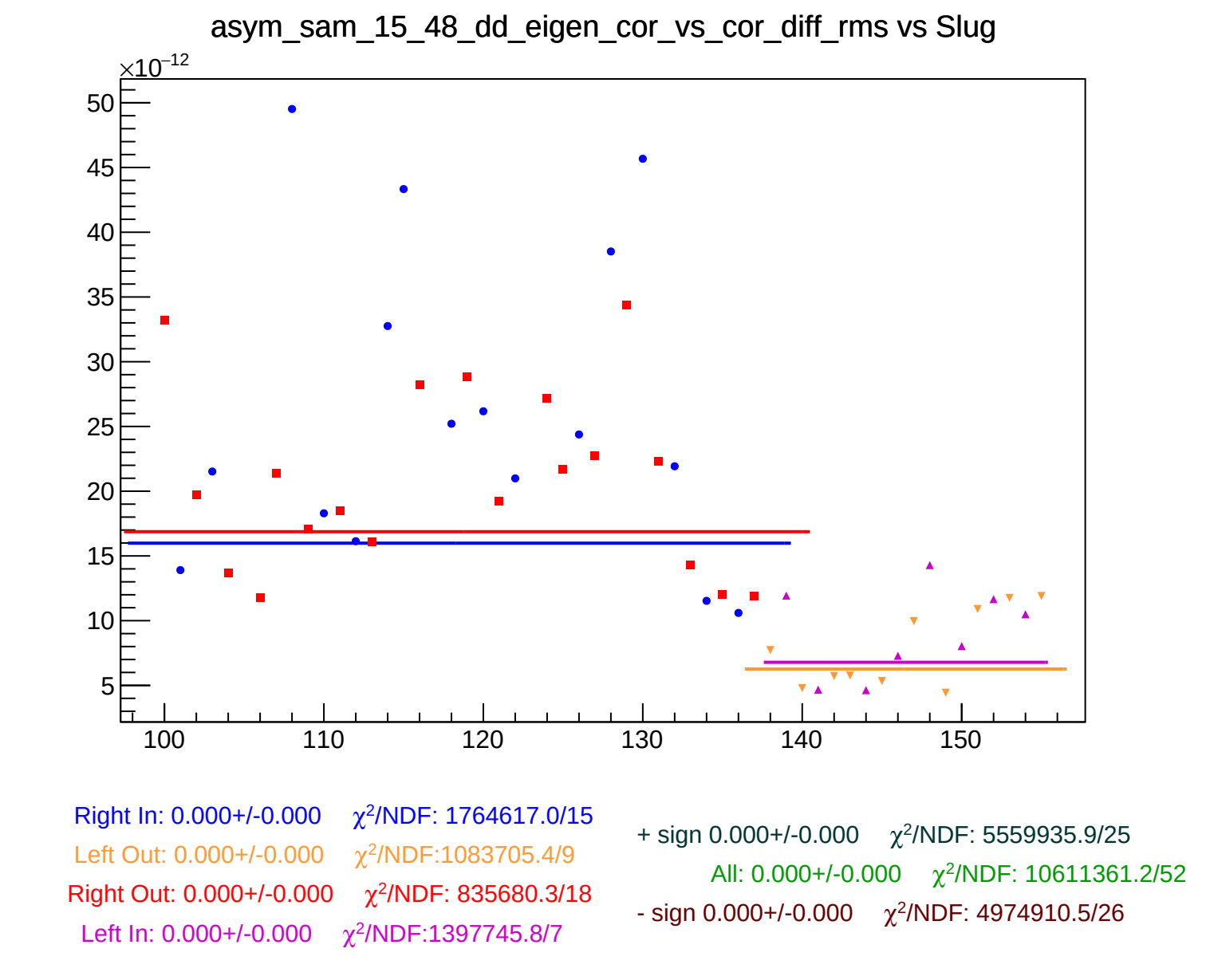
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/25

All: -0.000+/-0.000 χ^2/NDF: 77.6/52

- sign 0.000+/-0.000 χ^2/NDF: 24.9/26


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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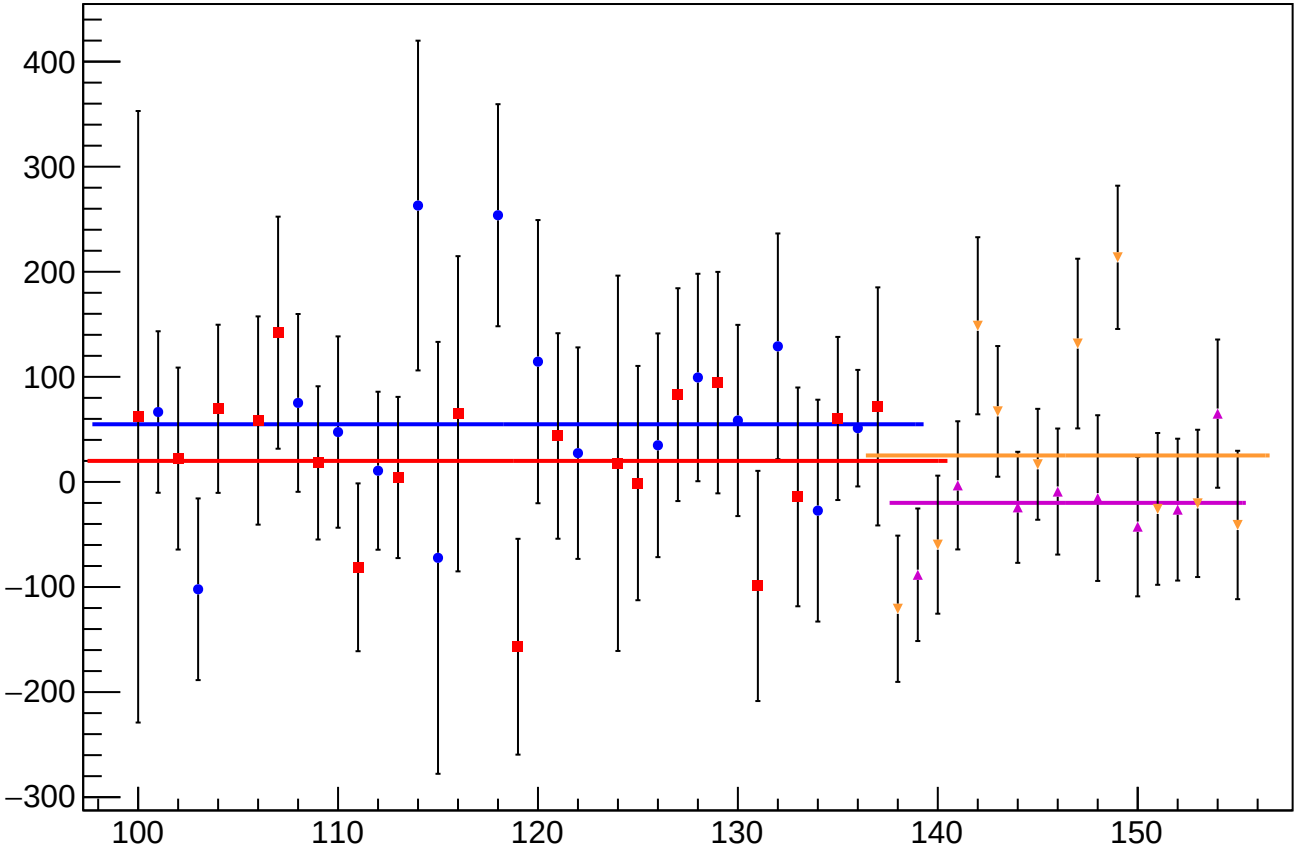
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1083705.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1397745.8/7
+ sign 0.000+/-0.000 χ²/NDF: 5559935.9/25
All: 0.000+/-0.000 χ²/NDF: 10611361.2/52
- sign 0.000+/-0.000 χ²/NDF: 4974910.5/26

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 25.195+/-21.512 χ^2/NDF:19.9/9

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

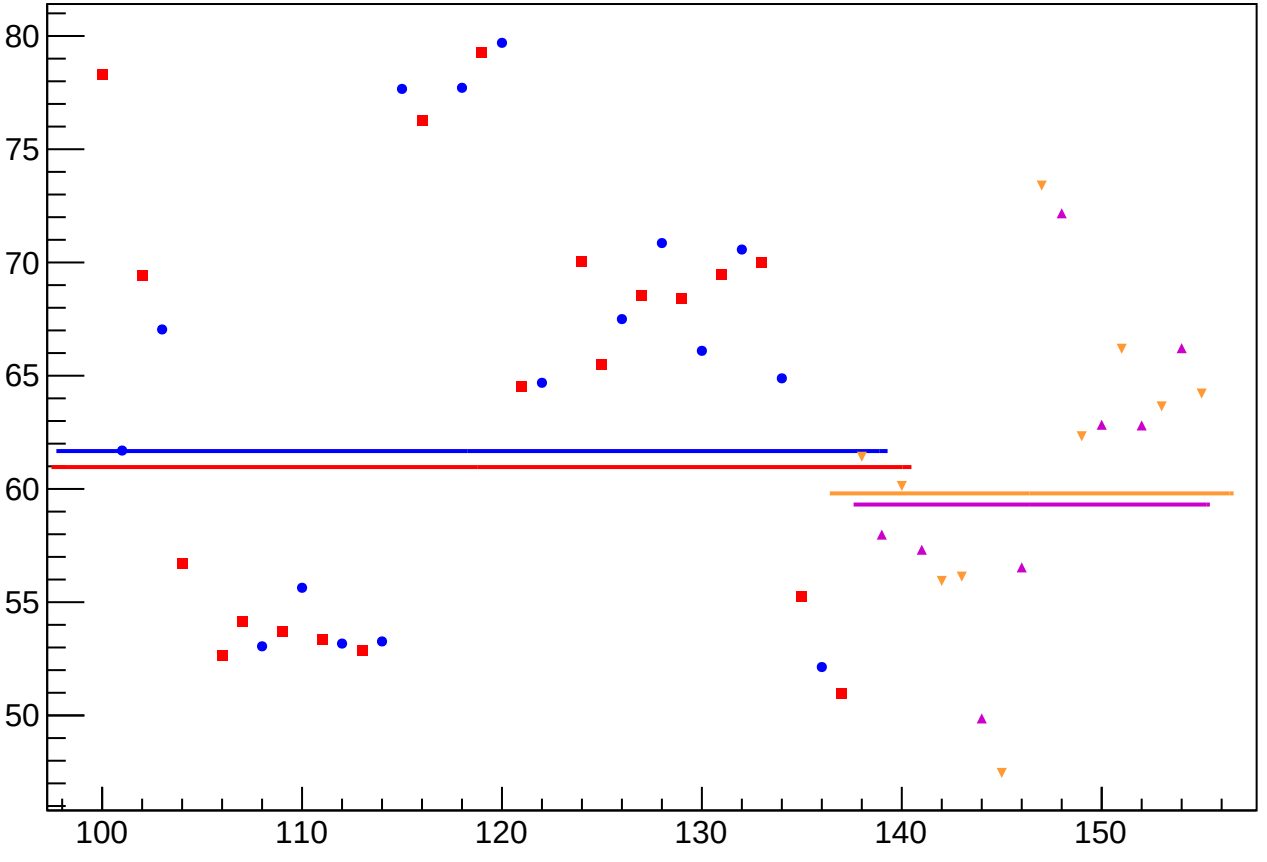
Left In: -19.916+/-22.560 χ^2/NDF:2.9/7

+ sign 38.933+/-15.768 χ^2/NDF: 31.8/25

All: 19.719+/-11.215 χ^2/NDF: 48.4/52

- sign 0.042+/-15.956 χ^2/NDF: 13.7/26

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 59.804+/-0.015 χ^2/NDF:210559.8/9

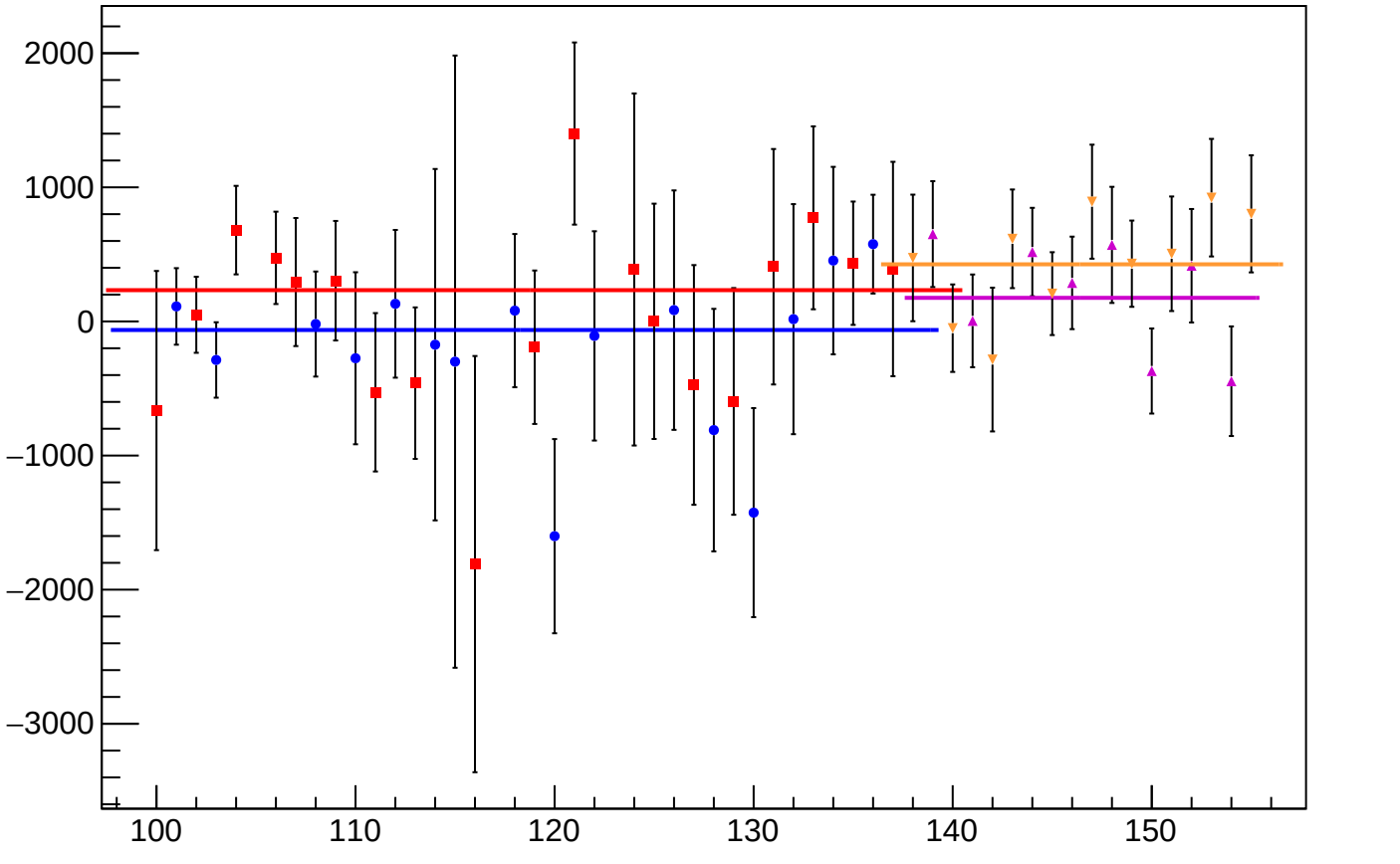
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 59.312+/-0.016 χ^2/NDF:154537.0/7

+ sign 60.669+/-0.011 χ^2/NDF: 484655.2/25

All: 60.407+/-0.008 χ^2/NDF: 929868.3/52

- sign 60.139+/-0.011 χ^2/NDF: 444097.0/26



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 425.933+/-122.736 χ^2/NDF:7.9/9

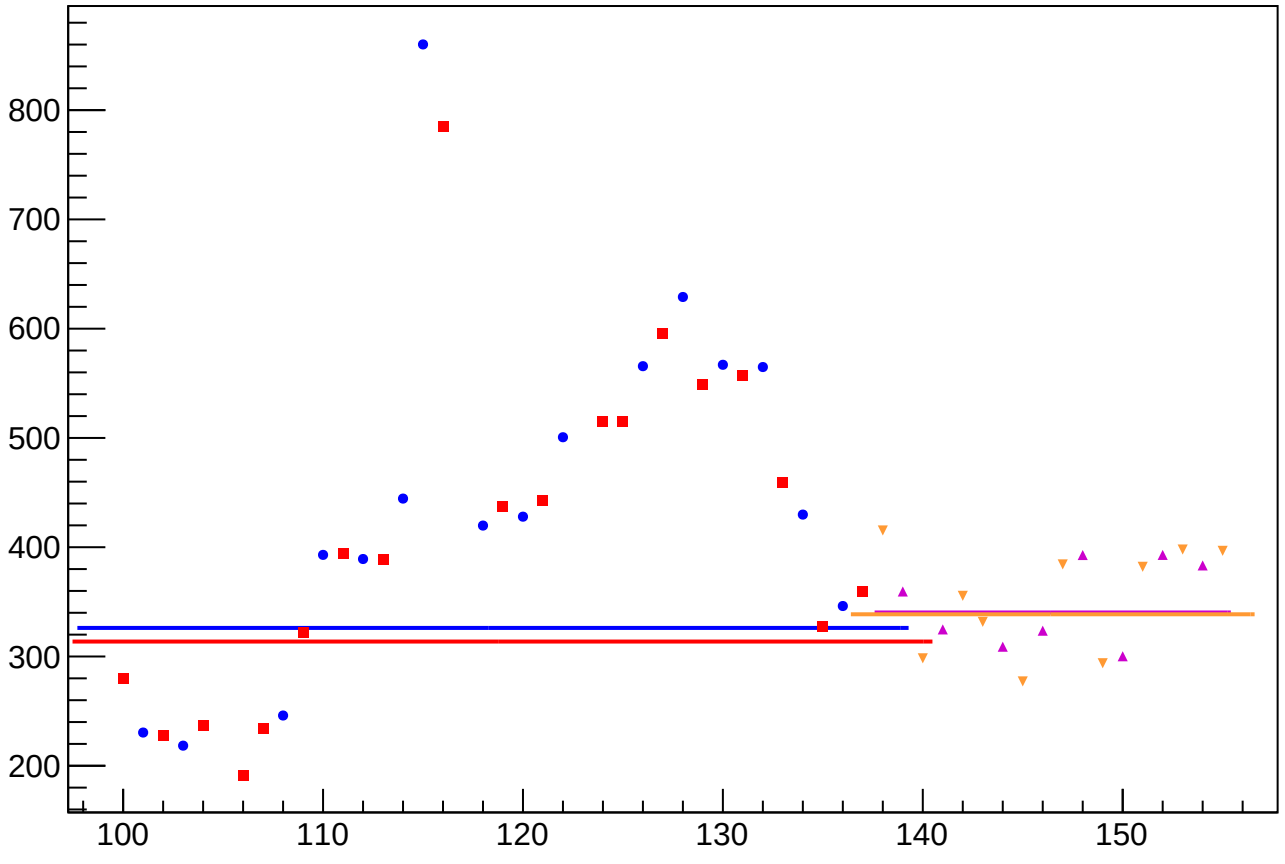
Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: 175.894+/-129.914 χ^2/NDF:9.3/7

+ sign 194.501+/-89.140 χ^2/NDF: 28.7/25

All: 200.326+/-63.066 χ^2/NDF: 52.6/52

- sign 206.164+/-89.238 χ^2/NDF: 23.9/26



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 338.623+/-0.087 χ^2/NDF:319693.3/9

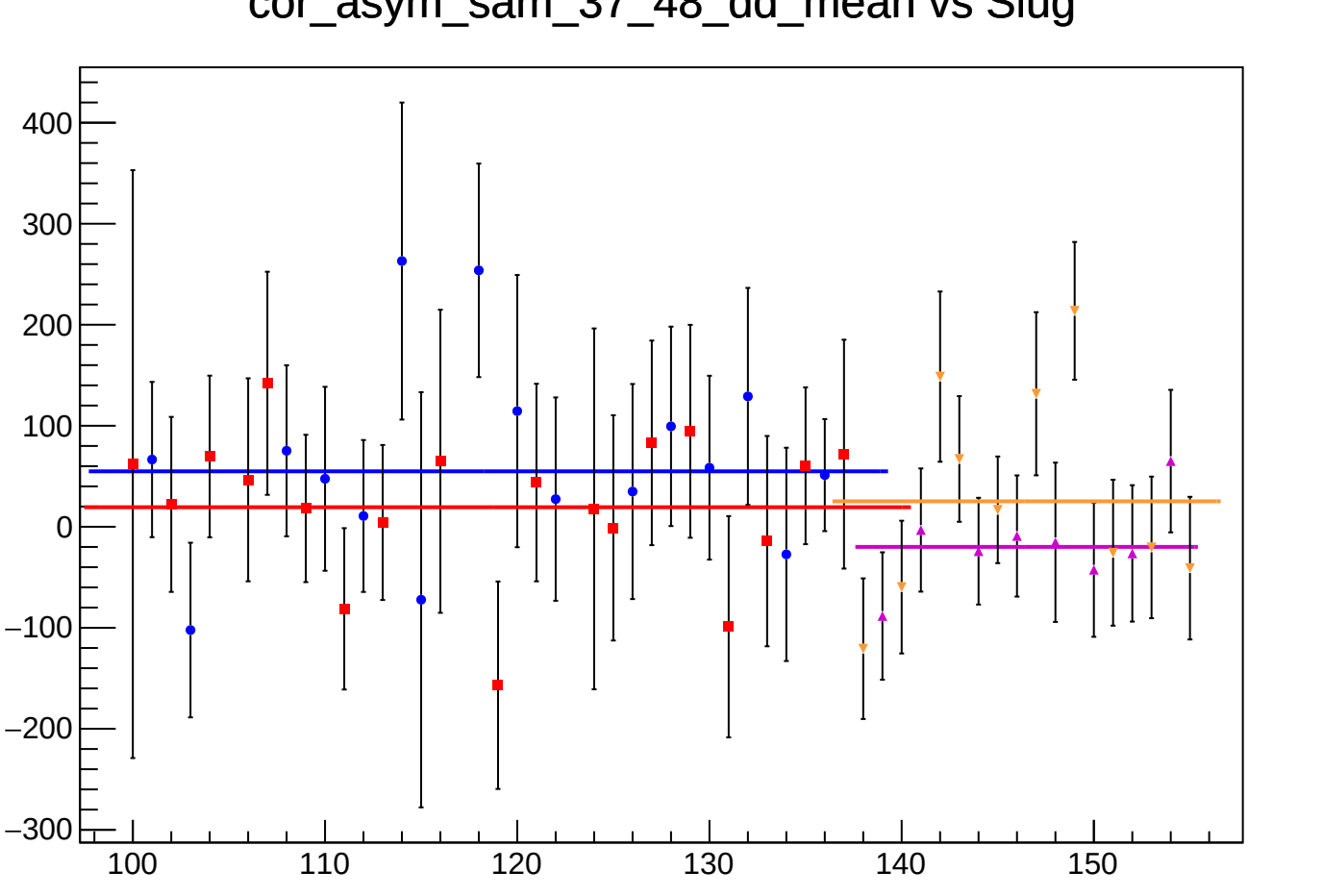
Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 340.279+/-0.092 χ^2/NDF:146145.3/7

+ sign 332.728+/-0.063 χ^2/NDF: 2063453.9/25

All: 329.481+/-0.045 χ^2/NDF: 4046568.2/52

- sign 326.226+/-0.063 χ^2/NDF: 1977799.6/26



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 25.191+/-21.512 χ^2/NDF:19.9/9

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

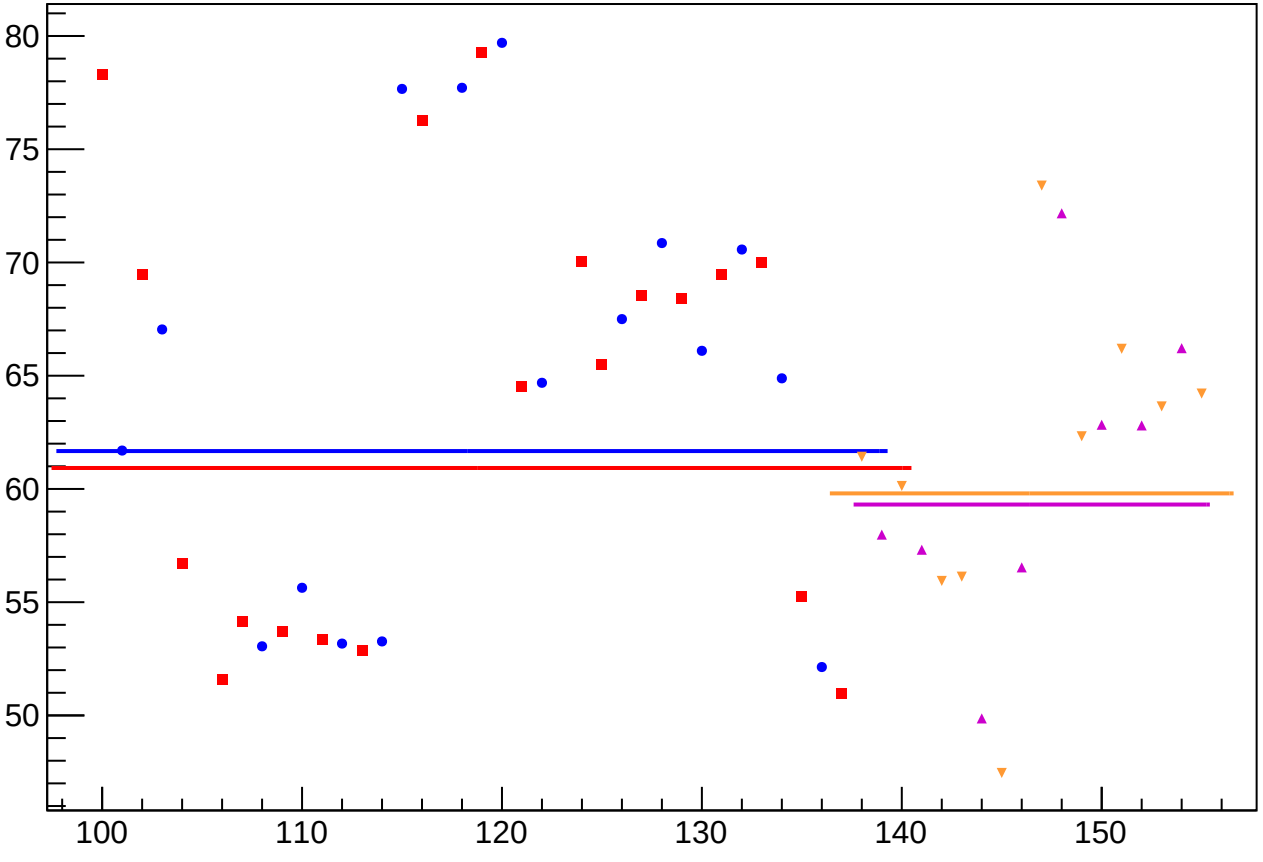
Left In: -19.916+/-22.560 χ^2/NDF:2.9/7

+ sign 38.928+/-15.768 χ^2/NDF: 31.8/25

All: 19.552+/-11.218 χ^2/NDF: 48.4/52

- sign -0.306+/-15.962 χ^2/NDF: 13.5/26

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 59.804+/-0.015 χ^2/NDF:210559.8/9

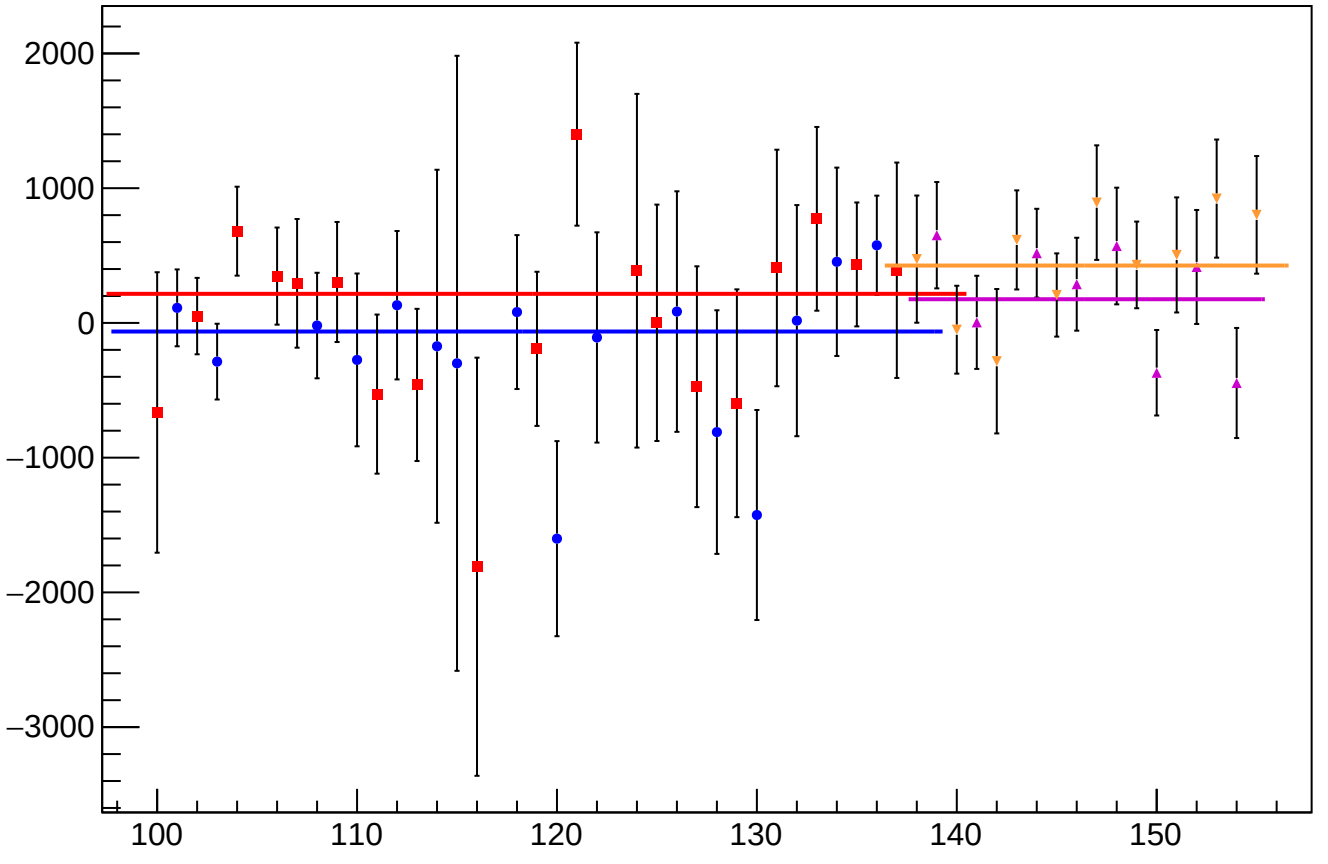
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 59.312+/-0.016 χ^2/NDF:154537.1/7

+ sign 60.669+/-0.011 χ^2/NDF: 484655.4/25

All: 60.397+/-0.008 χ^2/NDF: 933088.9/52

- sign 60.118+/-0.011 χ^2/NDF: 447227.6/26



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 425.932+/-122.736 χ^2/NDF:7.9/9

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

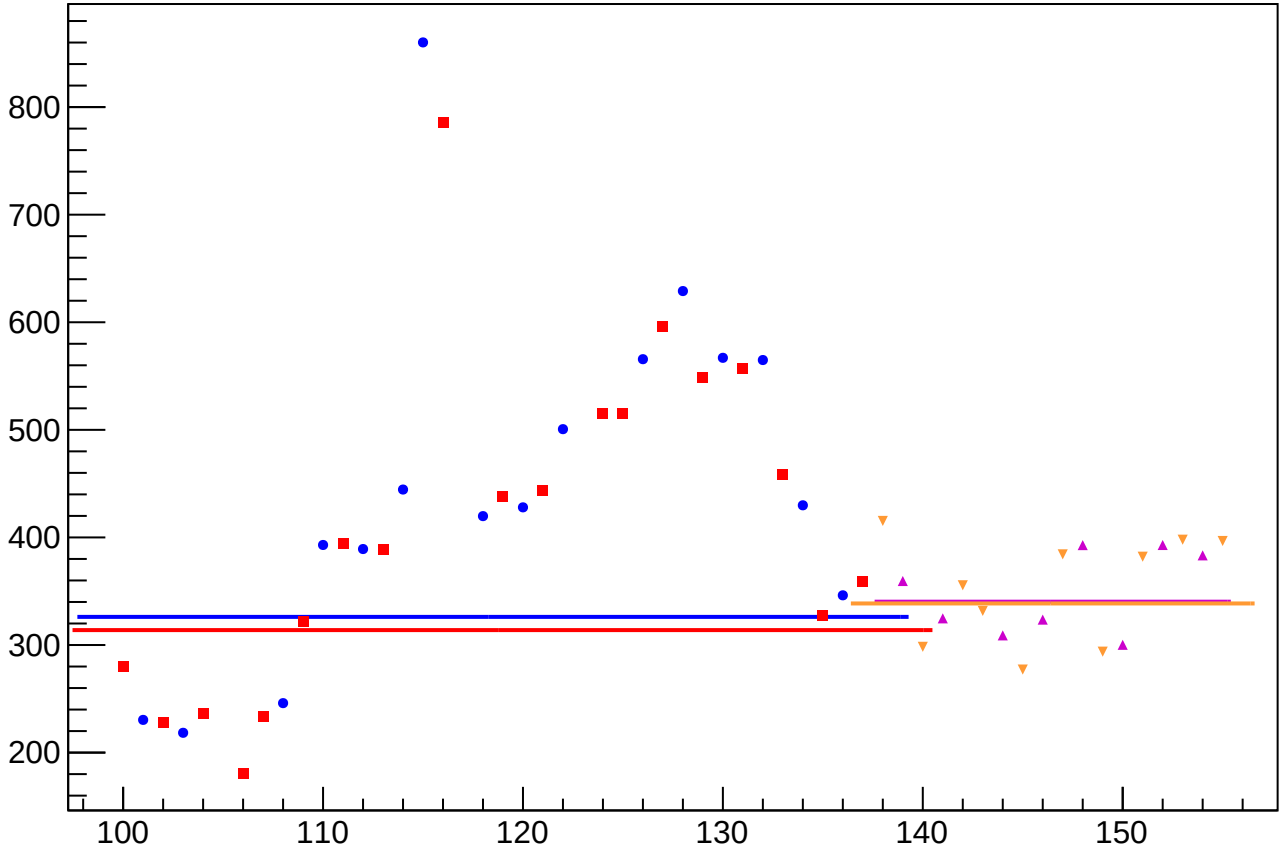
Left In: 175.892+/-129.914 χ^2/NDF:9.3/7

+ sign 194.509+/-89.140 χ^2/NDF: 28.6/25

All: 195.707+/-63.160 χ^2/NDF: 52.1/52

- sign 196.915+/-89.506 χ^2/NDF: 23.5/26

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 338.624+/-0.087 χ^2/NDF:319693.4/9

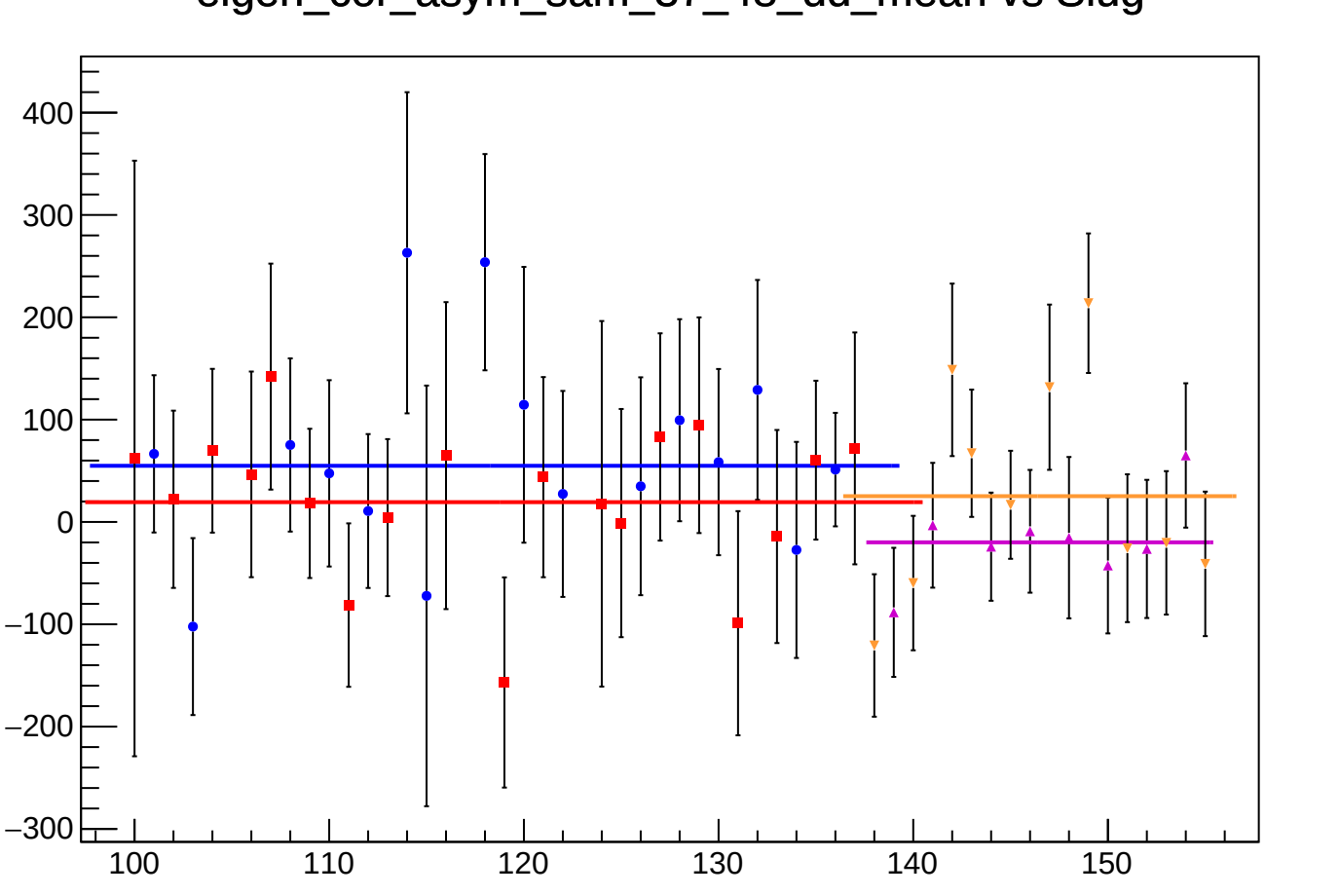
Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 340.279+/-0.092 χ^2/NDF:146143.4/7

+ sign 332.730+/-0.063 χ^2/NDF: 2063388.7/25

All: 329.578+/-0.045 χ^2/NDF: 4063778.0/52

- sign 326.401+/-0.063 χ^2/NDF: 1995369.2/26



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 25.191+/-21.512 χ^2/NDF:19.9/9

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

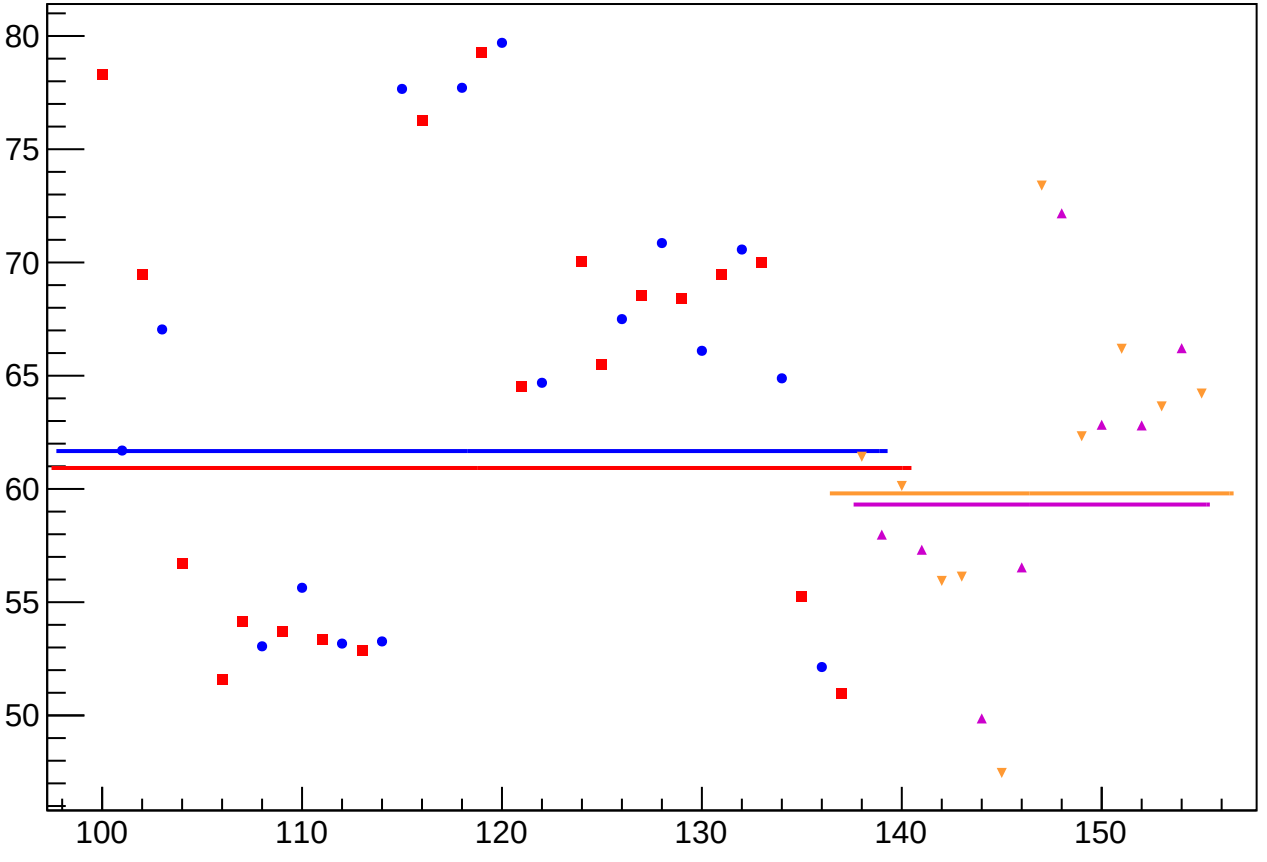
Left In: -19.916+/-22.560 χ^2/NDF:2.9/7

+ sign 38.928+/-15.768 χ^2/NDF: 31.8/25

All: 19.552+/-11.218 χ^2/NDF: 48.4/52

- sign -0.306+/-15.962 χ^2/NDF: 13.5/26

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 59.804+/-0.015 χ^2/NDF:210559.8/9

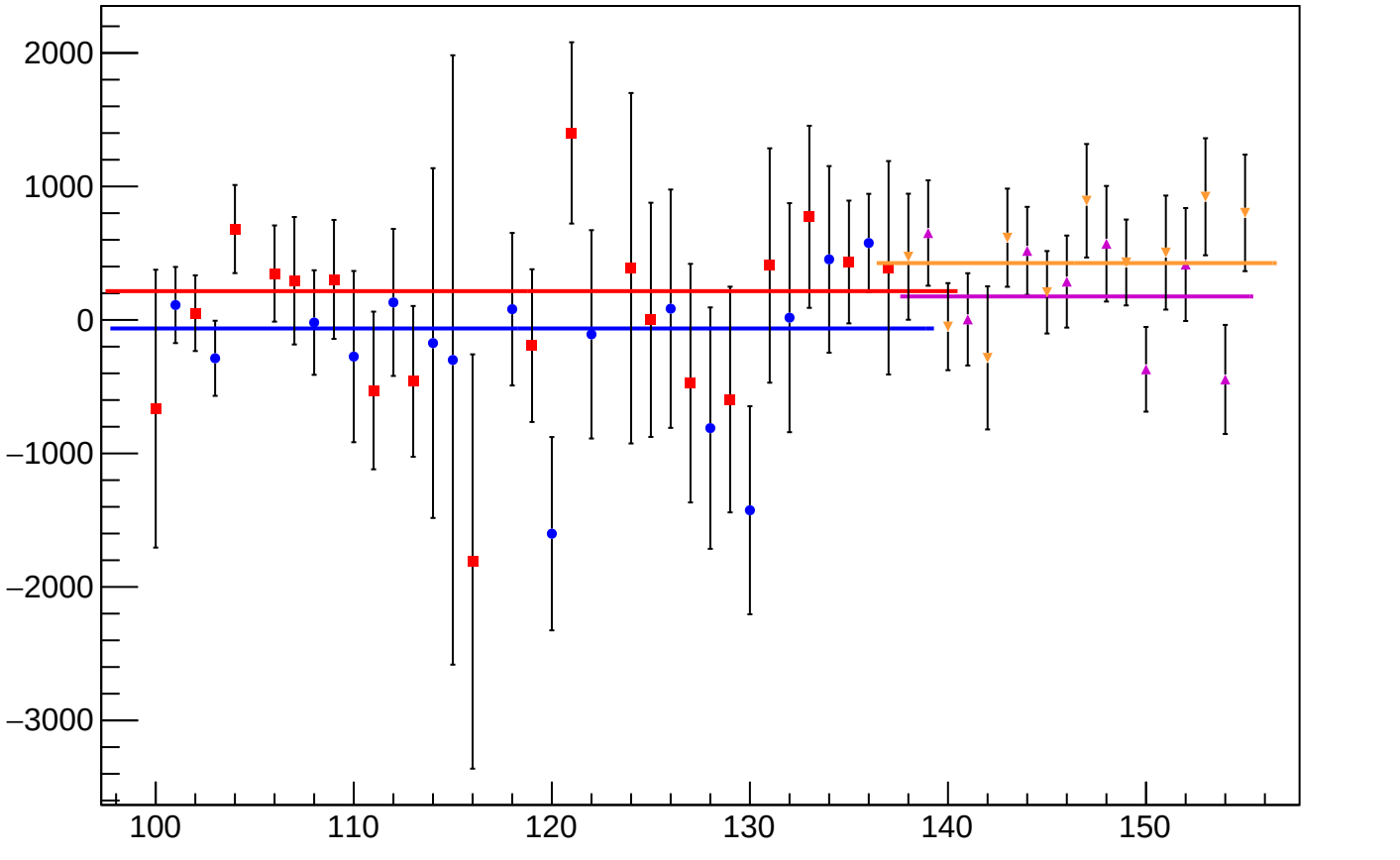
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 59.312+/-0.016 χ^2/NDF:154537.1/7

+ sign 60.669+/-0.011 χ^2/NDF: 484655.4/25

All: 60.397+/-0.008 χ^2/NDF: 933088.9/52

- sign 60.118+/-0.011 χ^2/NDF: 447227.6/26



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 425.932+/-122.736 χ^2/NDF:7.9/9

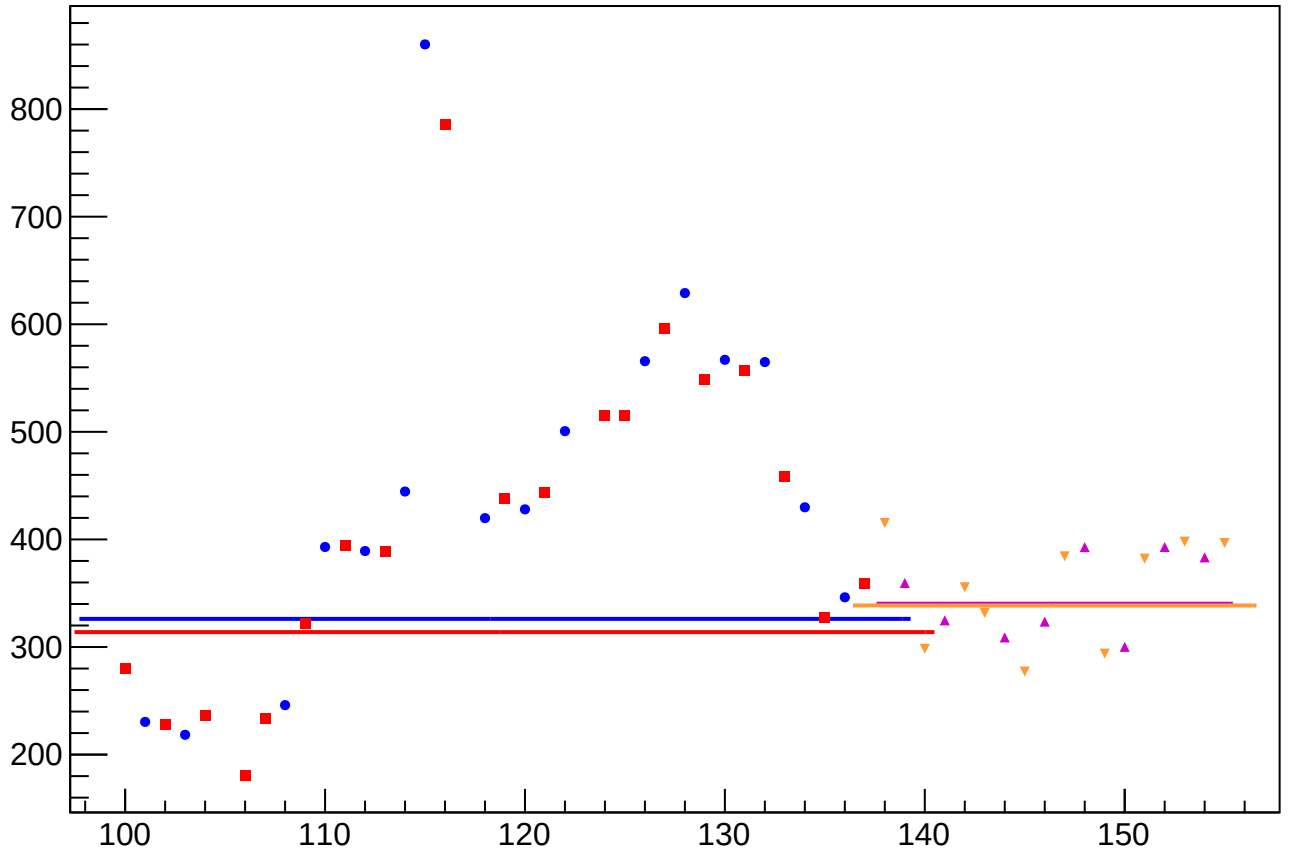
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 175.892+/-129.914 χ^2/NDF:9.3/7

+ sign 194.509+/-89.140 χ^2/NDF: 28.6/25

All: 195.707+/-63.160 χ^2/NDF: 52.1/52

- sign 196.915+/-89.506 χ^2/NDF: 23.5/26



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 338.624+/-0.087 χ^2/NDF:319693.4/9

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

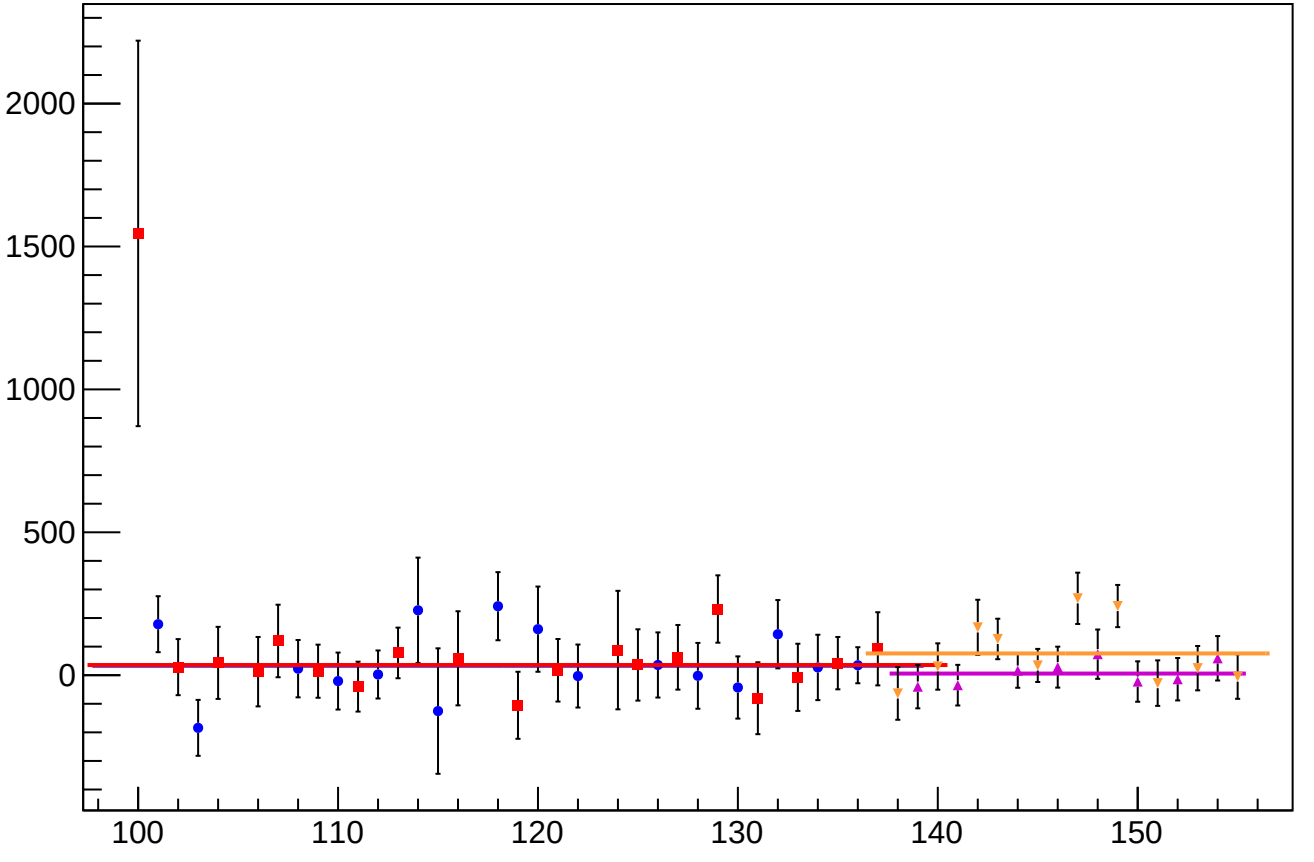
Left In: 340.279+/-0.092 χ^2/NDF:146143.4/7

+ sign 332.730+/-0.063 χ^2/NDF: 2063388.7/25

All: 329.578+/-0.045 χ^2/NDF: 4063778.0/52

- sign 326.401+/-0.063 χ^2/NDF: 1995369.2/26

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 76.132+/-24.467 χ^2/NDF:17.4/9

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

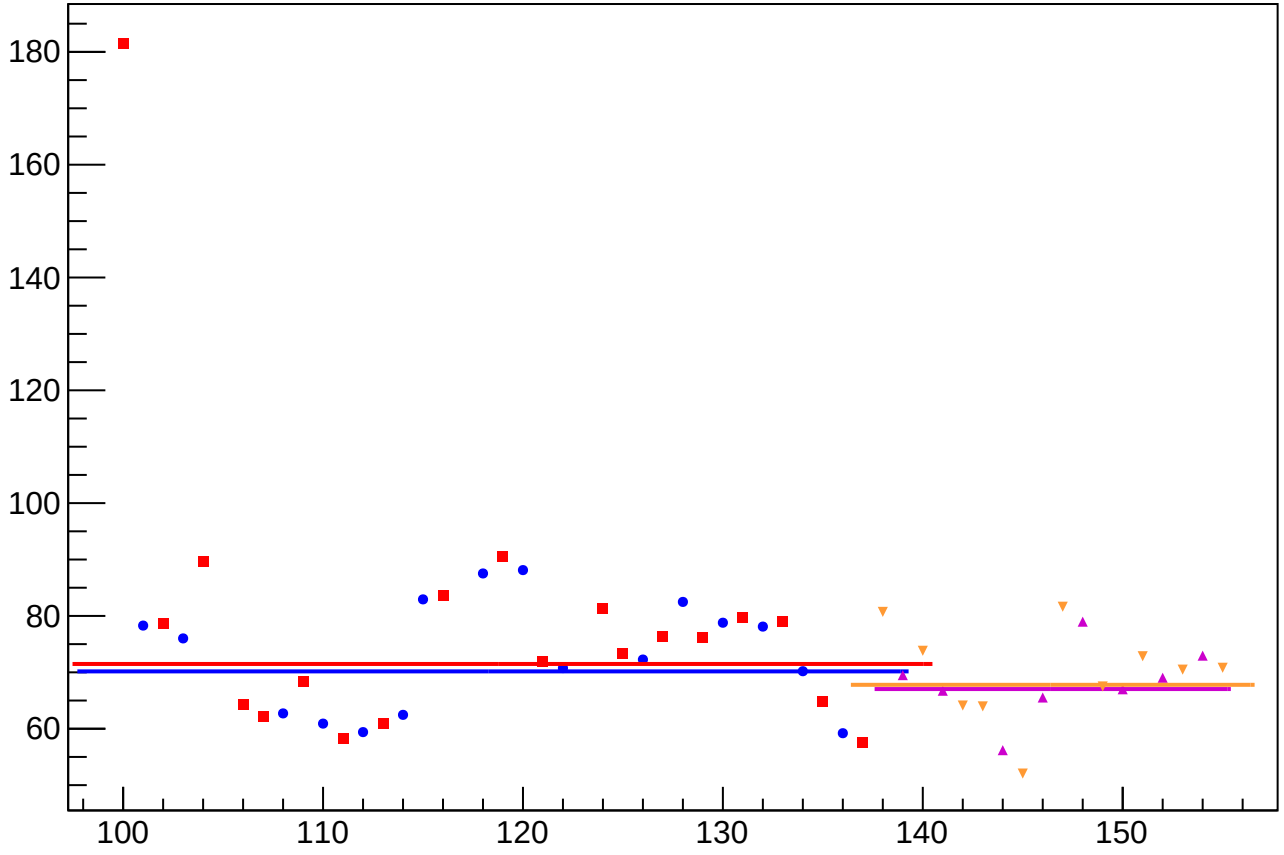
Left In: 5.708+/-25.596 χ^2/NDF:2.1/7

+ sign 56.398+/-17.950 χ^2/NDF: 33.4/25

All: 38.722+/-12.856 χ^2/NDF: 50.3/52

- sign 20.104+/-18.422 χ^2/NDF: 14.9/26

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 67.787+/-0.017 χ^2/NDF:267908.5/9

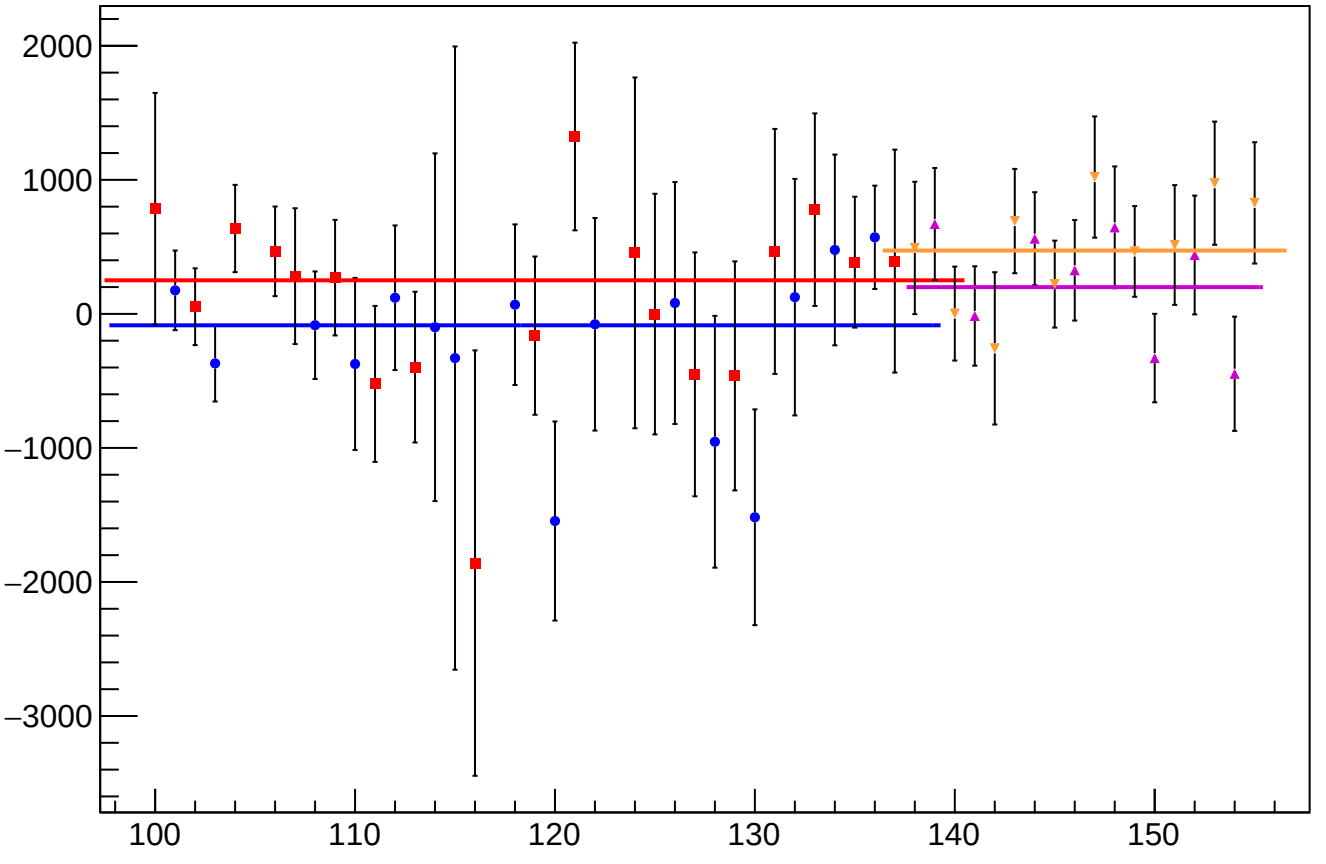
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 67.035+/-0.018 χ^2/NDF:119929.6/7

+ sign 68.886+/-0.013 χ^2/NDF: 545897.3/25

All: 69.029+/-0.009 χ^2/NDF: 1020913.1/52

- sign 69.179+/-0.013 χ^2/NDF: 474757.2/26



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 472.666+/-129.432 χ^2/NDF:7.7/9

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

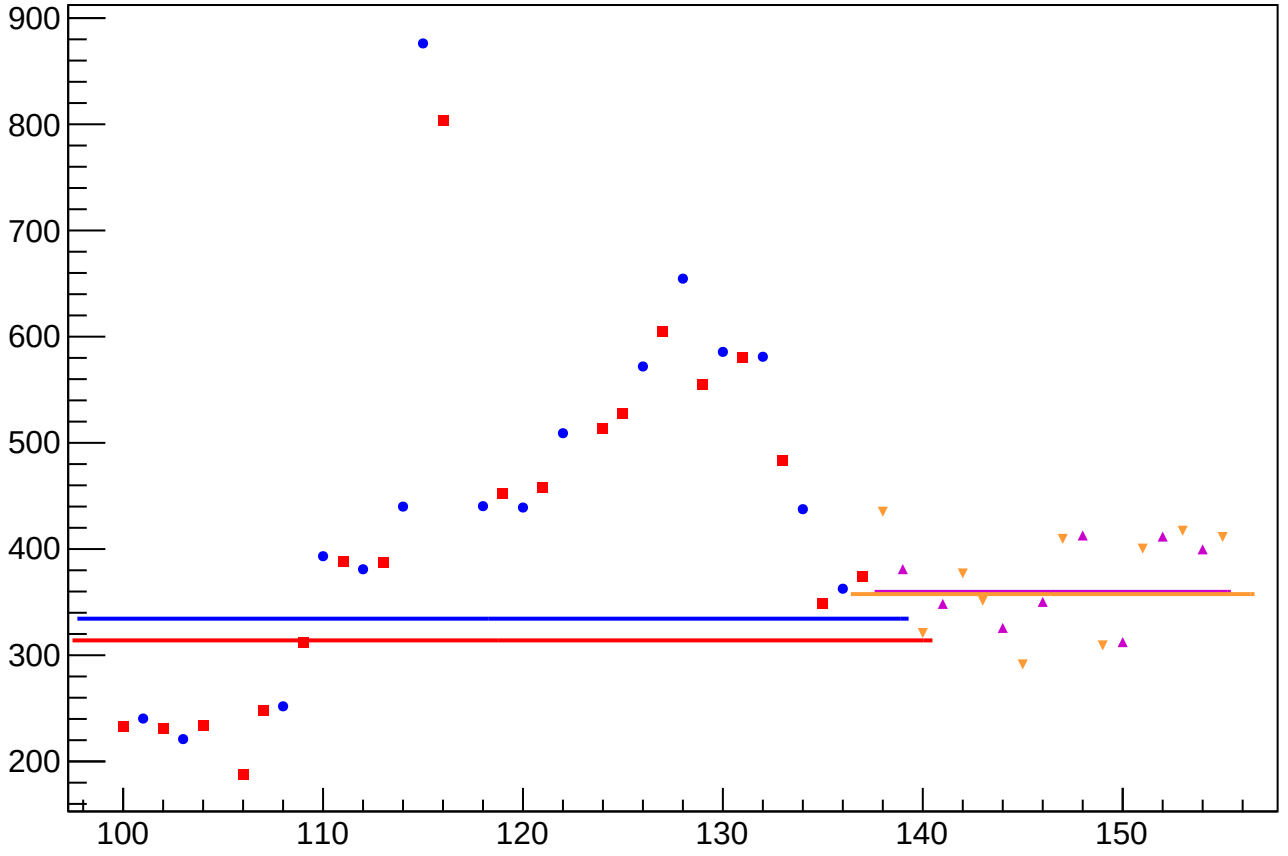
Left In: 199.494+/-137.289 χ^2/NDF:8.9/7

+ sign 201.065+/-92.716 χ^2/NDF: 30.4/25

All: 214.521+/-65.211 χ^2/NDF: 51.9/52

- sign 227.694+/-91.735 χ^2/NDF: 21.5/26

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 357.572+/-0.092 χ^2/NDF:304802.1/9

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

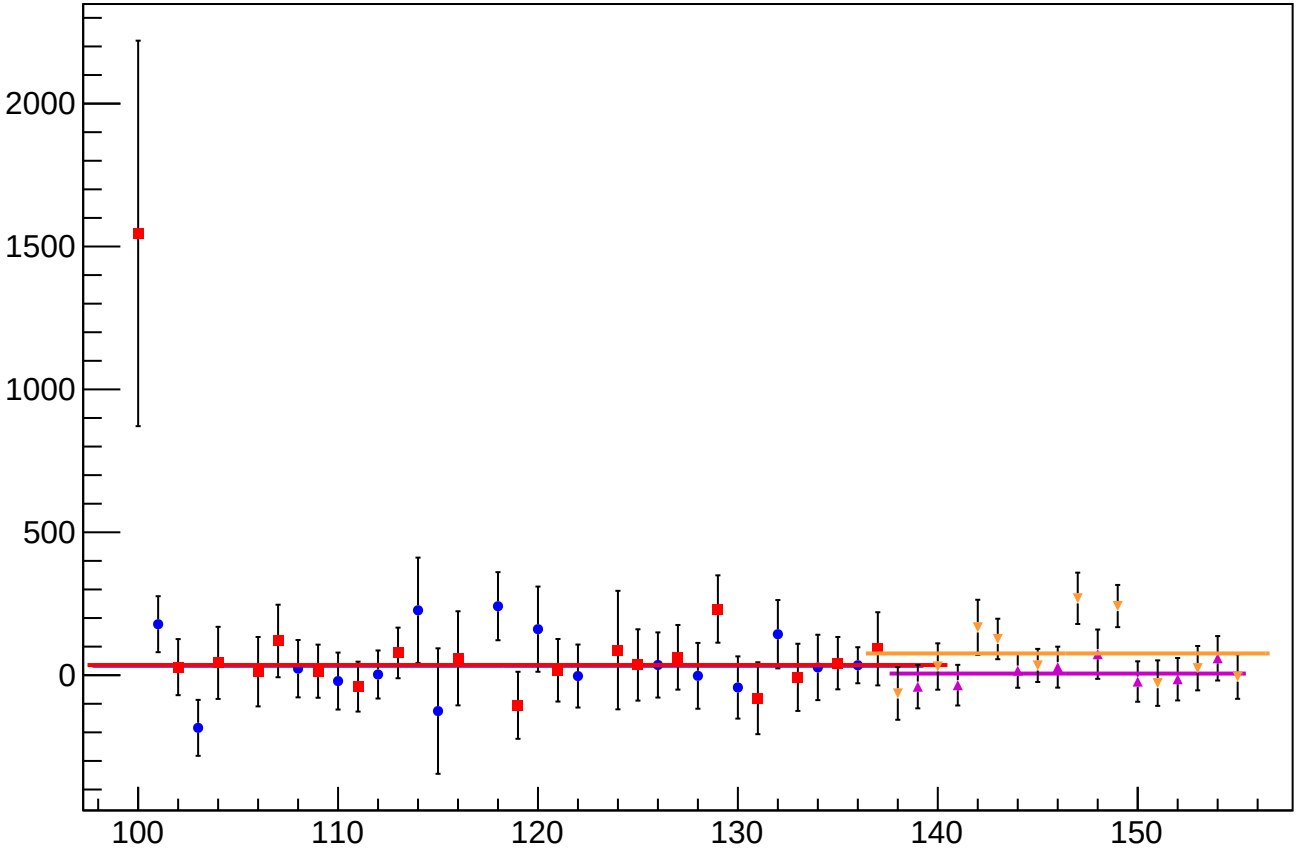
Left In: 359.689+/-0.097 χ^2/NDF:141191.7/7

\+ sign 346.305+/-0.066 χ^2/NDF: 2066539.2/25

All: 340.281+/-0.046 χ^2/NDF: 4251809.8/52

\- sign 334.383+/-0.065 χ^2/NDF: 2168559.7/26

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 76.131+/-24.467 χ^2/NDF:17.4/9

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

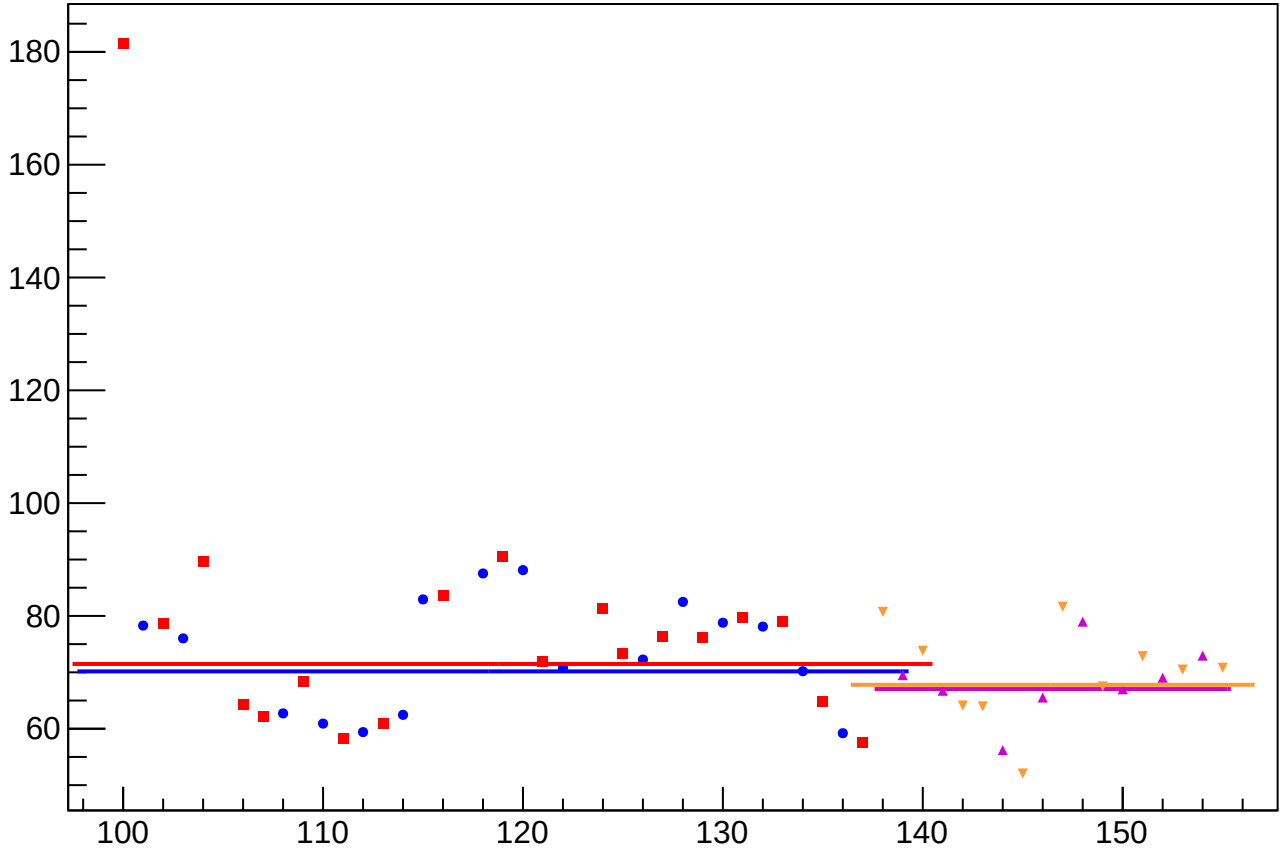
Left In: 5.708+/-25.596 χ^2/NDF:2.1/7

+ sign 56.398+/-17.950 χ^2/NDF: 33.4/25

All: 38.722+/-12.856 χ^2/NDF: 50.3/52

- sign 20.104+/-18.422 χ^2/NDF: 14.9/26

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 67.787+/-0.017 χ^2/NDF:267912.6/9

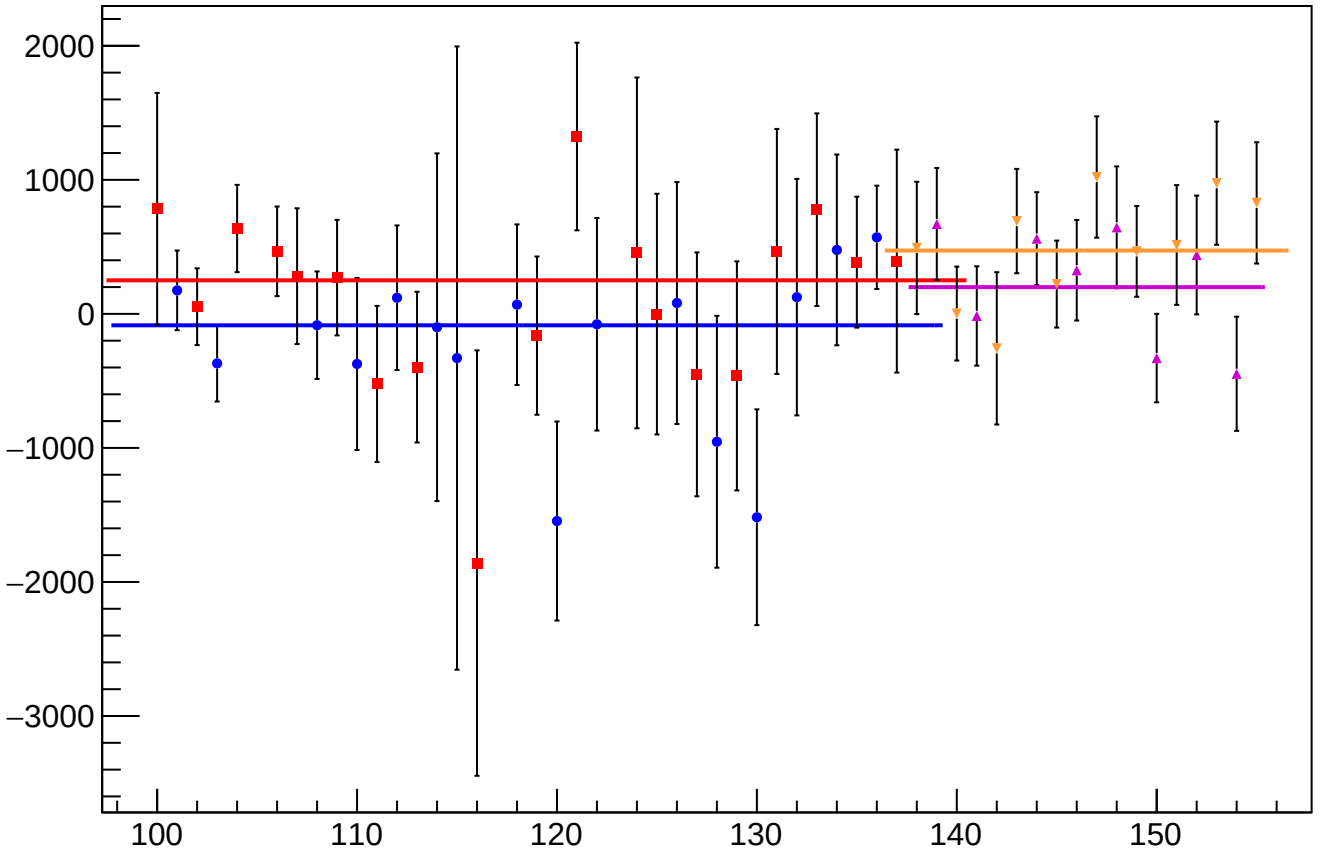
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 67.035+/-0.018 χ^2/NDF:119930.1/7

+ sign 68.886+/-0.013 χ^2/NDF: 545905.7/25

All: 69.029+/-0.009 χ^2/NDF: 1020929.9/52

- sign 69.179+/-0.013 χ^2/NDF: 474765.7/26



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 472.666+/-129.432 χ^2/NDF:7.7/9

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

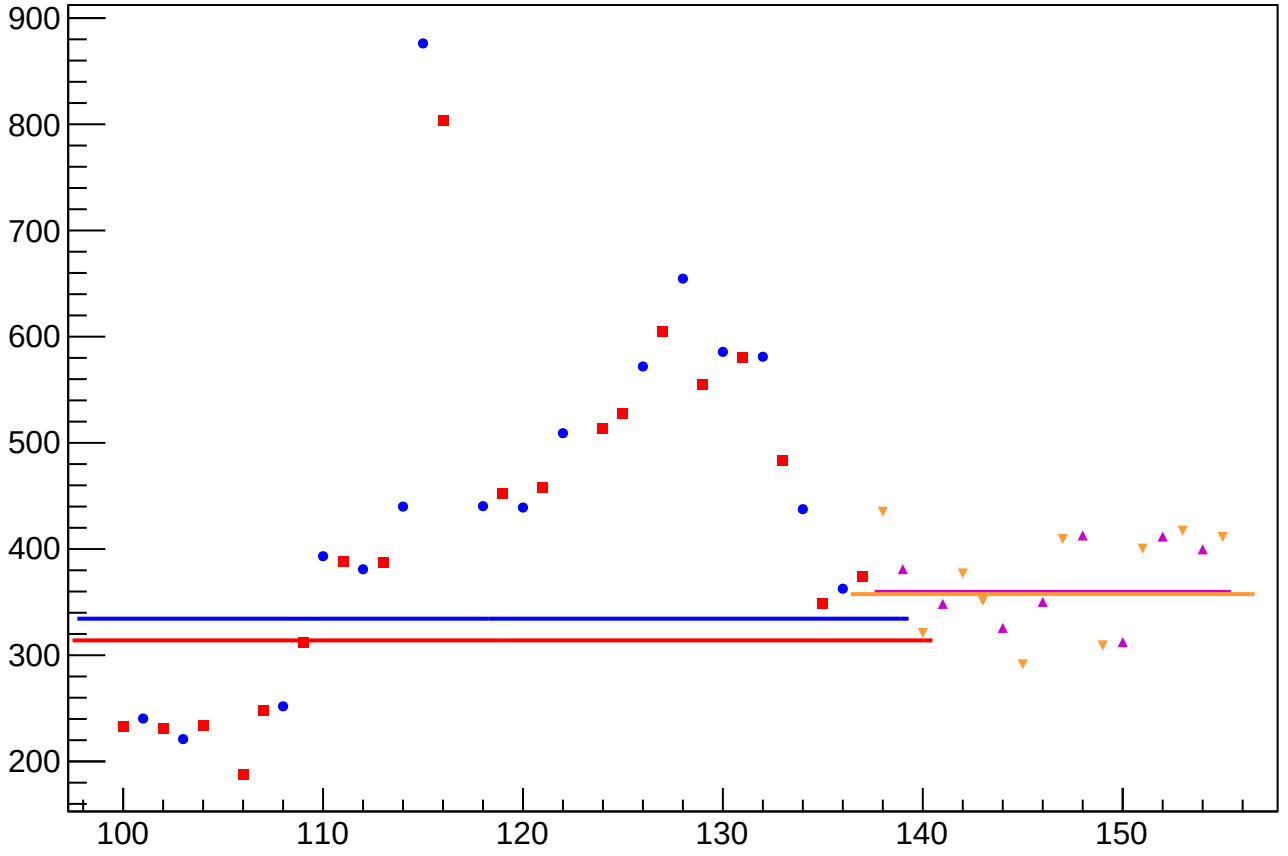
Left In: 199.494+/-137.289 χ^2/NDF:8.9/7

+ sign 201.065+/-92.716 χ^2/NDF: 30.4/25

All: 214.521+/-65.211 χ^2/NDF: 51.9/52

- sign 227.694+/-91.735 χ^2/NDF: 21.5/26

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: 357.572+/-0.092 χ^2/NDF:304805.0/9

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

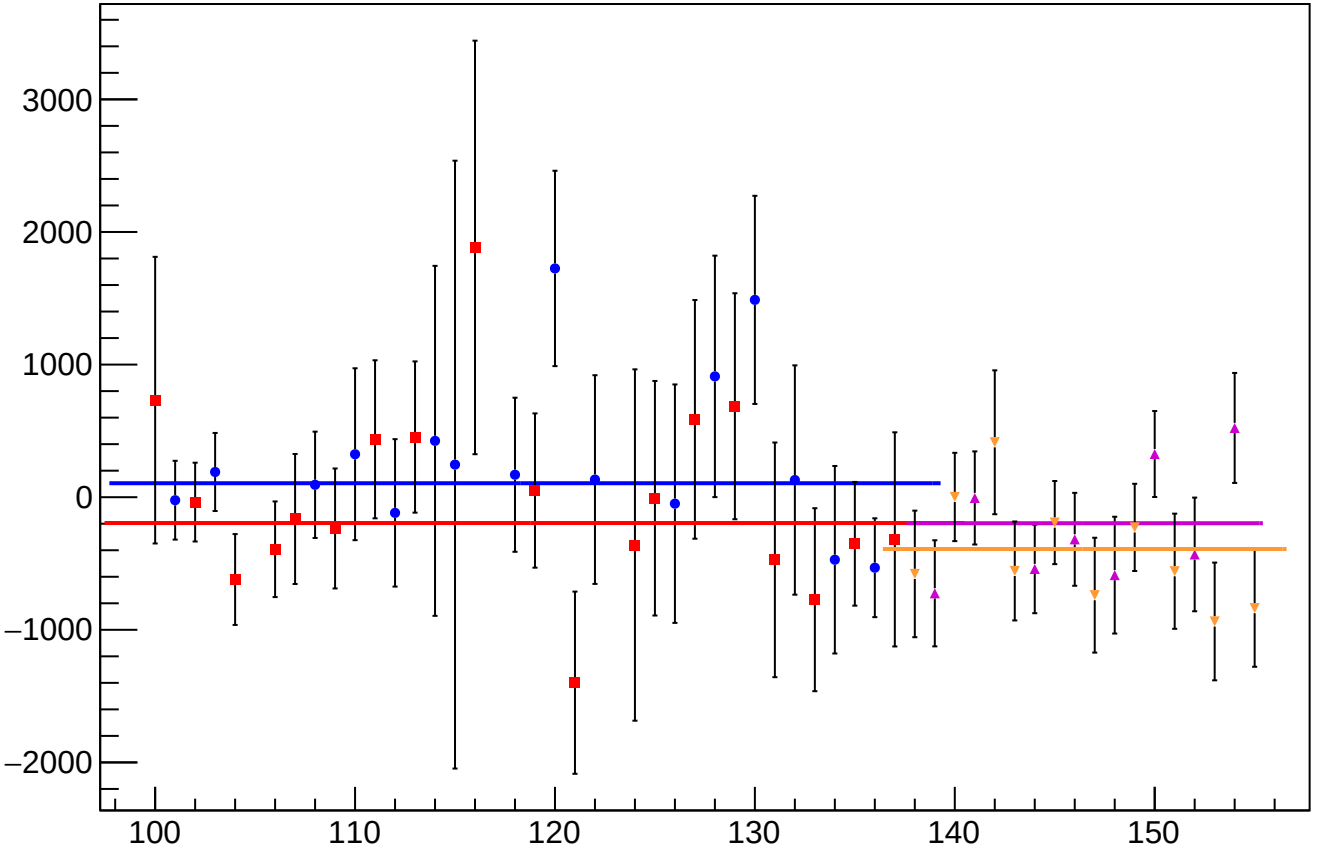
Left In: 359.689+/-0.097 χ^2/NDF:141191.2/7

+ sign 346.305+/-0.066 χ^2/NDF: 2066540.0/25

All: 340.281+/-0.046 χ^2/NDF: 4251808.7/52

- sign 334.383+/-0.065 χ^2/NDF: 2168557.8/26

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -390.690+/-124.753 χ^2/NDF:7.9/9

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

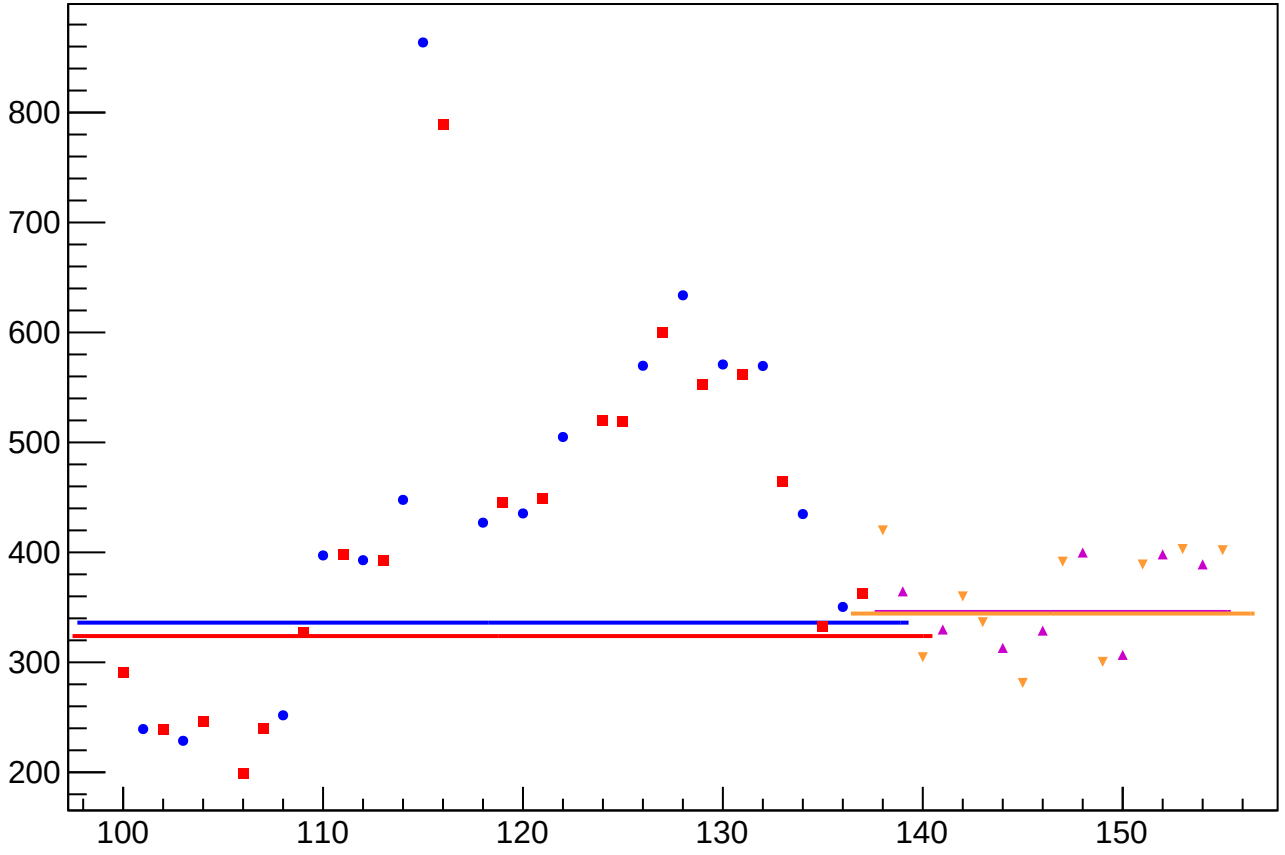
Left In: -196.101+/-131.981 χ^2/NDF:9.9/7

+ sign -158.592+/-91.004 χ^2/NDF: 28.3/25

All: -176.942+/-64.423 χ^2/NDF: 51.4/52

- sign -195.376+/-91.212 χ^2/NDF: 23.0/26

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 344.362+/-0.088 χ^2/NDF:311677.5/9

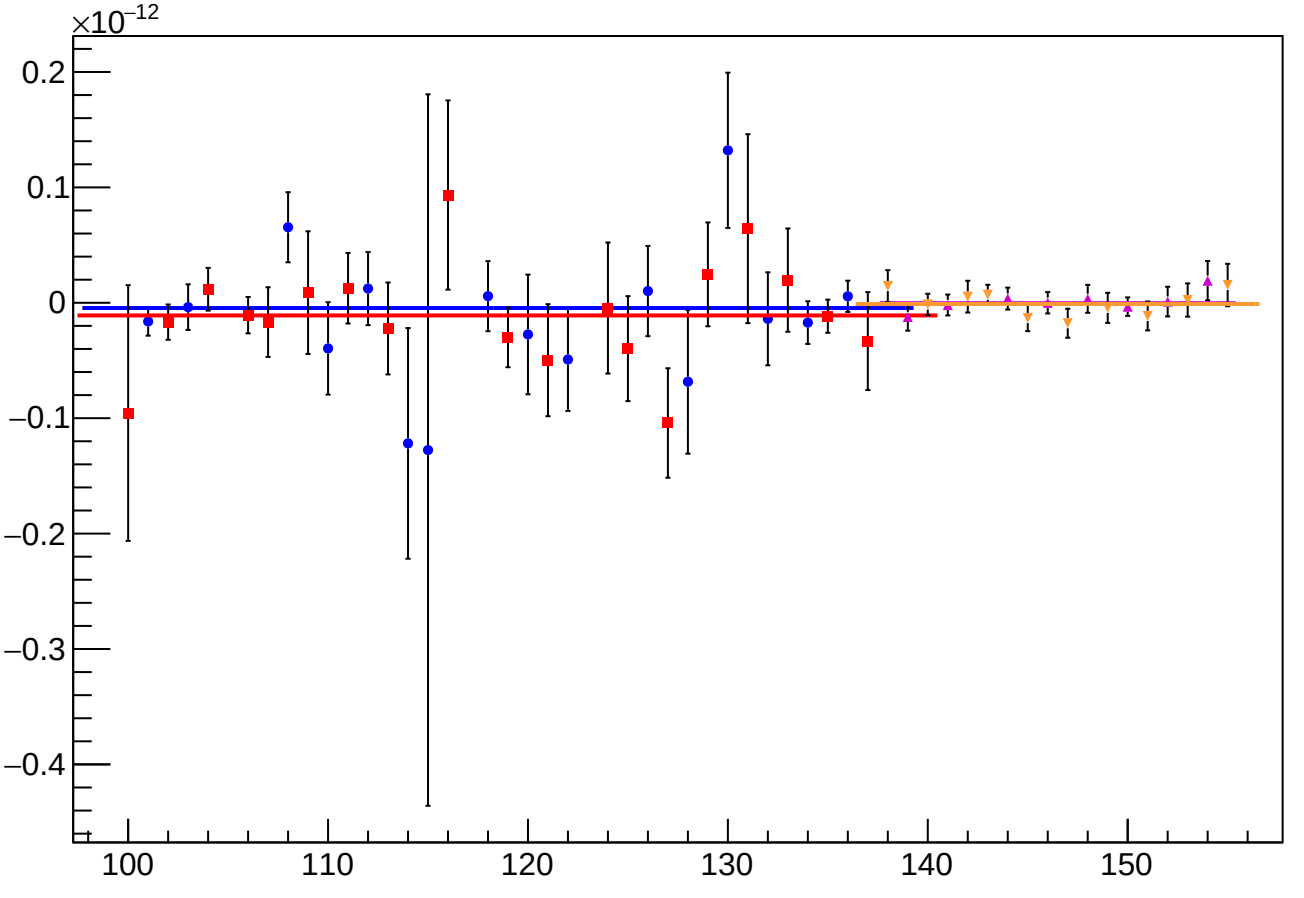
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 345.809+/-0.093 χ^2/NDF:143136.3/7

+ sign 340.493+/-0.064 χ^2/NDF: 1934786.7/25

All: 337.432+/-0.046 χ^2/NDF: 3776709.2/52

- sign 334.356+/-0.064 χ^2/NDF: 1837386.1/26



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

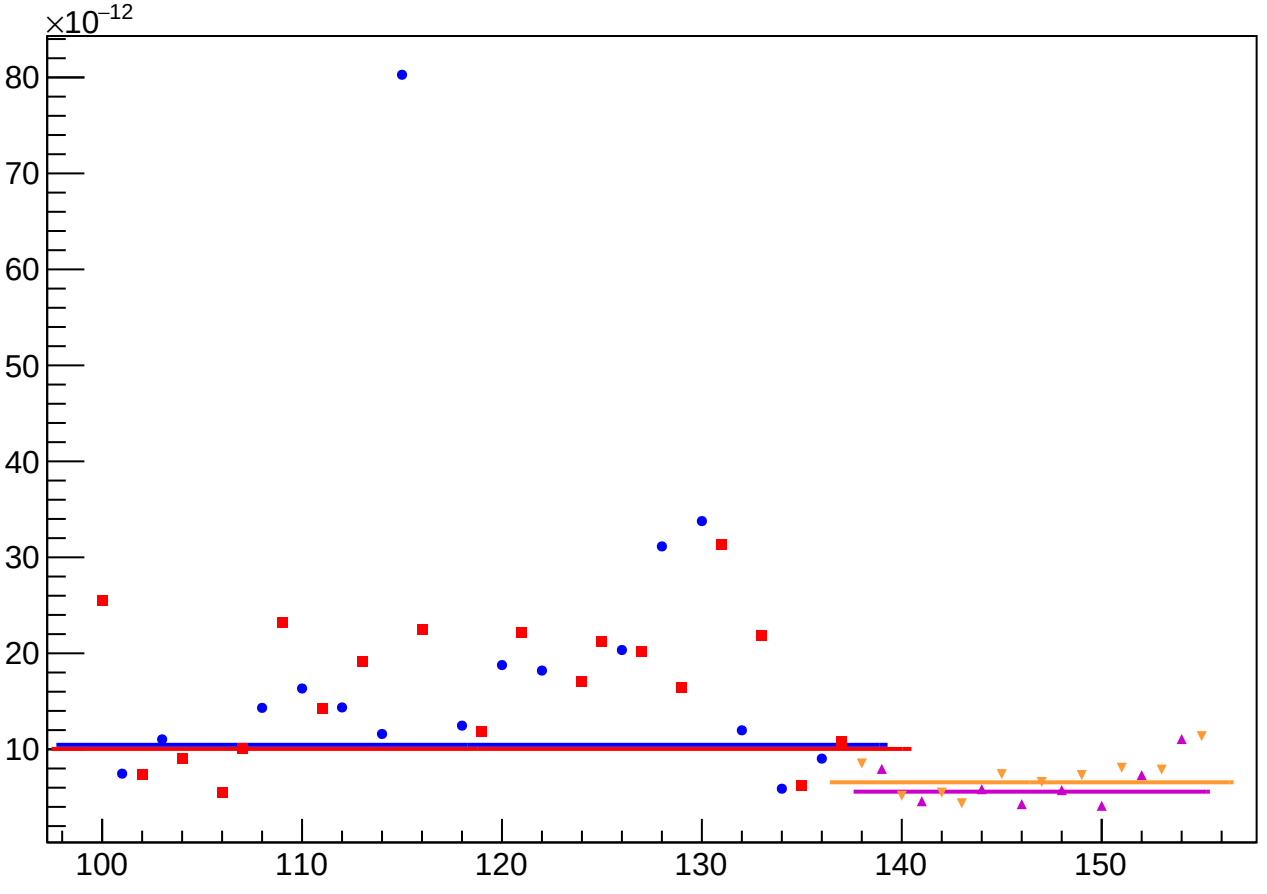
Left In: -0.000+/-0.000 χ^2/NDF:2.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.6/25

All: -0.000+/-0.000 χ^2/NDF: 40.9/52

- sign -0.000+/-0.000 χ^2/NDF: 17.2/26

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:428755.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

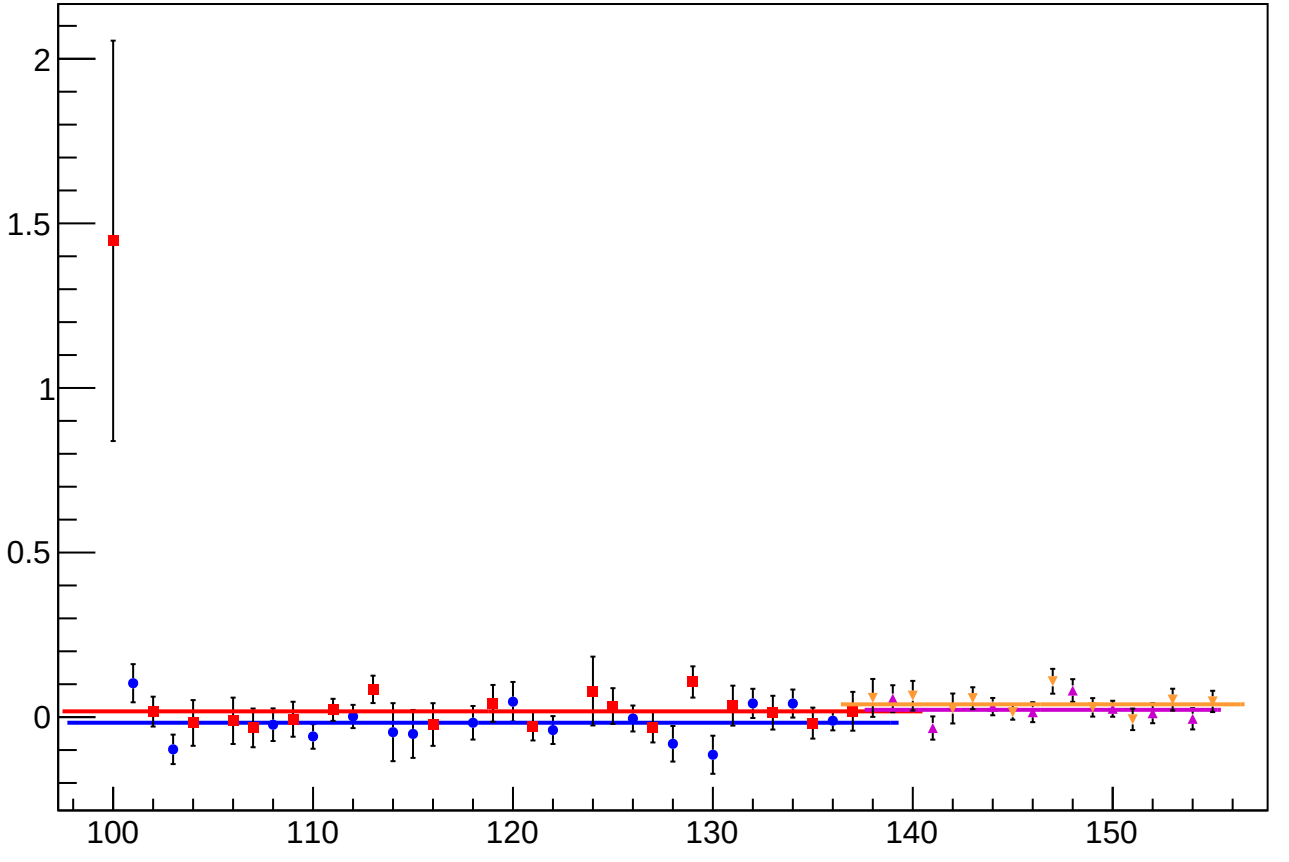
Left In: 0.000+/-0.000 χ^2/NDF:455015.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 2158971.6/25

All: 0.000+/-0.000 χ^2/NDF: 4828030.0/52

- sign 0.000+/-0.000 χ^2/NDF: 2595934.5/26

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: 0.039+/-0.011 χ^2/NDF:7.7/9

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

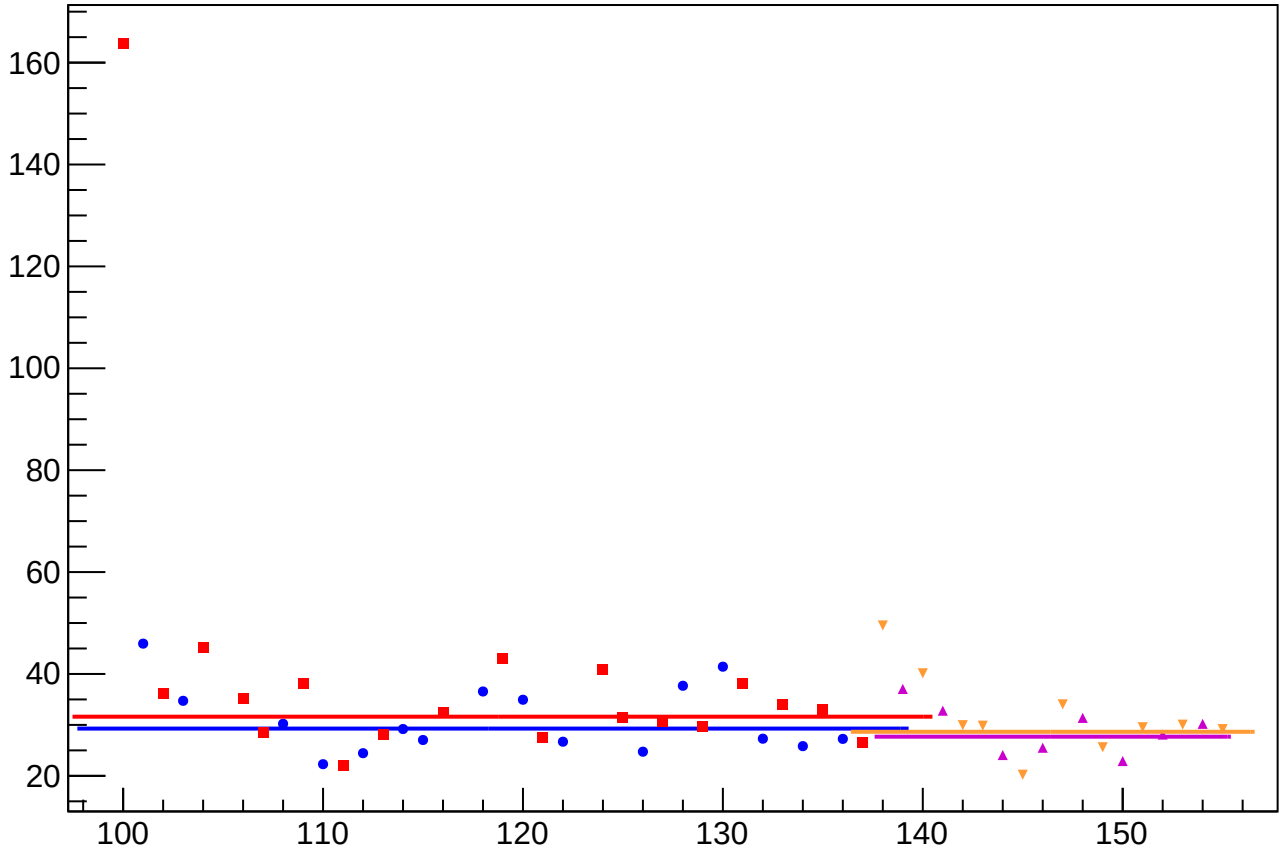
Left In: 0.022+/-0.011 χ^2/NDF:7.1/7

+ sign 0.013+/-0.008 χ^2/NDF: 39.5/25

All: 0.016+/-0.006 χ^2/NDF: 63.9/52

- sign 0.020+/-0.008 χ^2/NDF: 24.0/26

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: 28.652+/-0.008 χ^2/NDF:739323.8/9

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

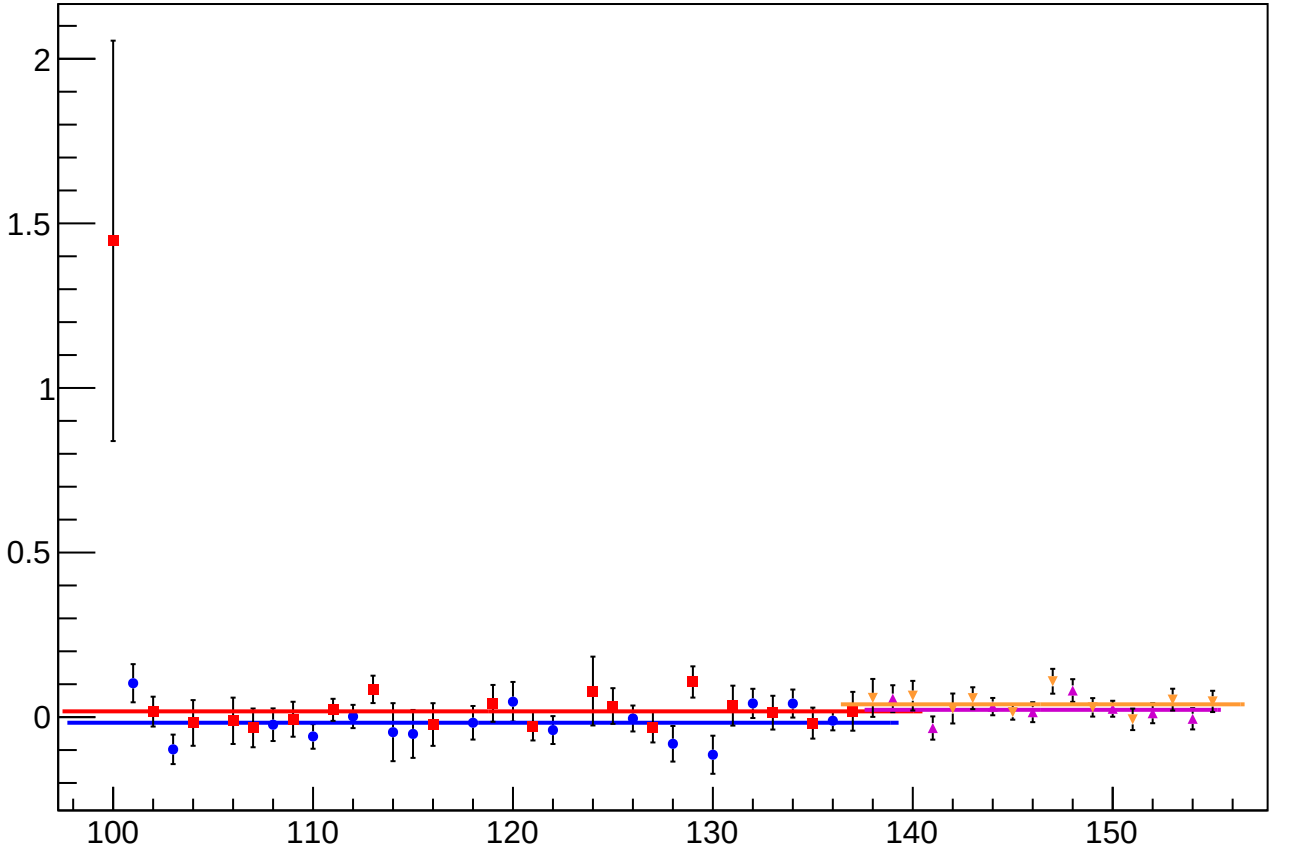
Left In: 27.690+/-0.008 χ^2/NDF:308184.4/7

+ sign 28.944+/-0.005 χ^2/NDF: 1303232.2/25

All: 29.180+/-0.004 χ^2/NDF: 2304192.9/52

- sign 29.436+/-0.006 χ^2/NDF: 997102.5/26

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.039+/-0.011 χ^2/NDF:7.7/9

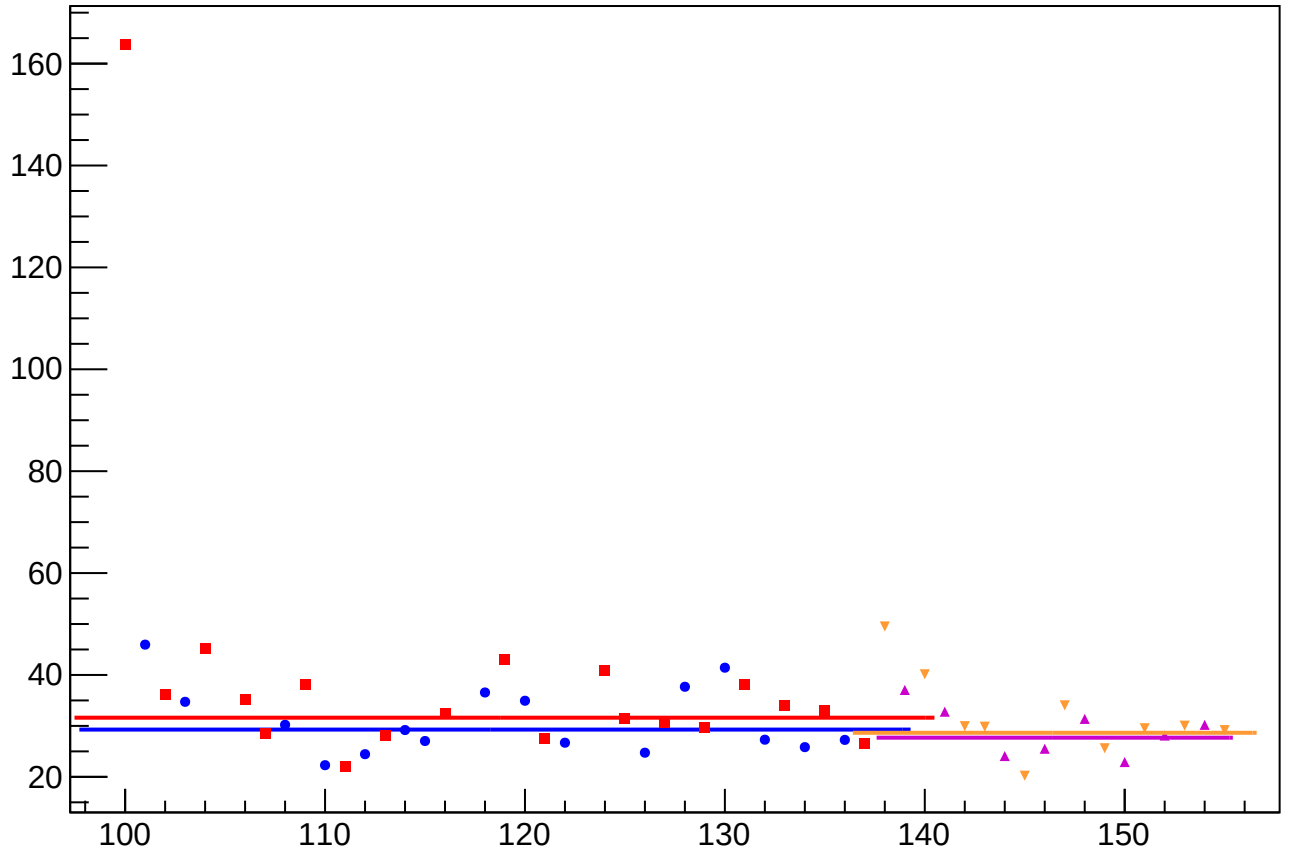
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.022+/-0.011 χ^2/NDF:7.1/7

+ sign 0.013+/-0.008 χ^2/NDF: 39.5/25

All: 0.016+/-0.006 χ^2/NDF: 63.9/52

- sign 0.020+/-0.008 χ^2/NDF: 24.0/26



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.652+/-0.008 χ^2/NDF:739323.8/9

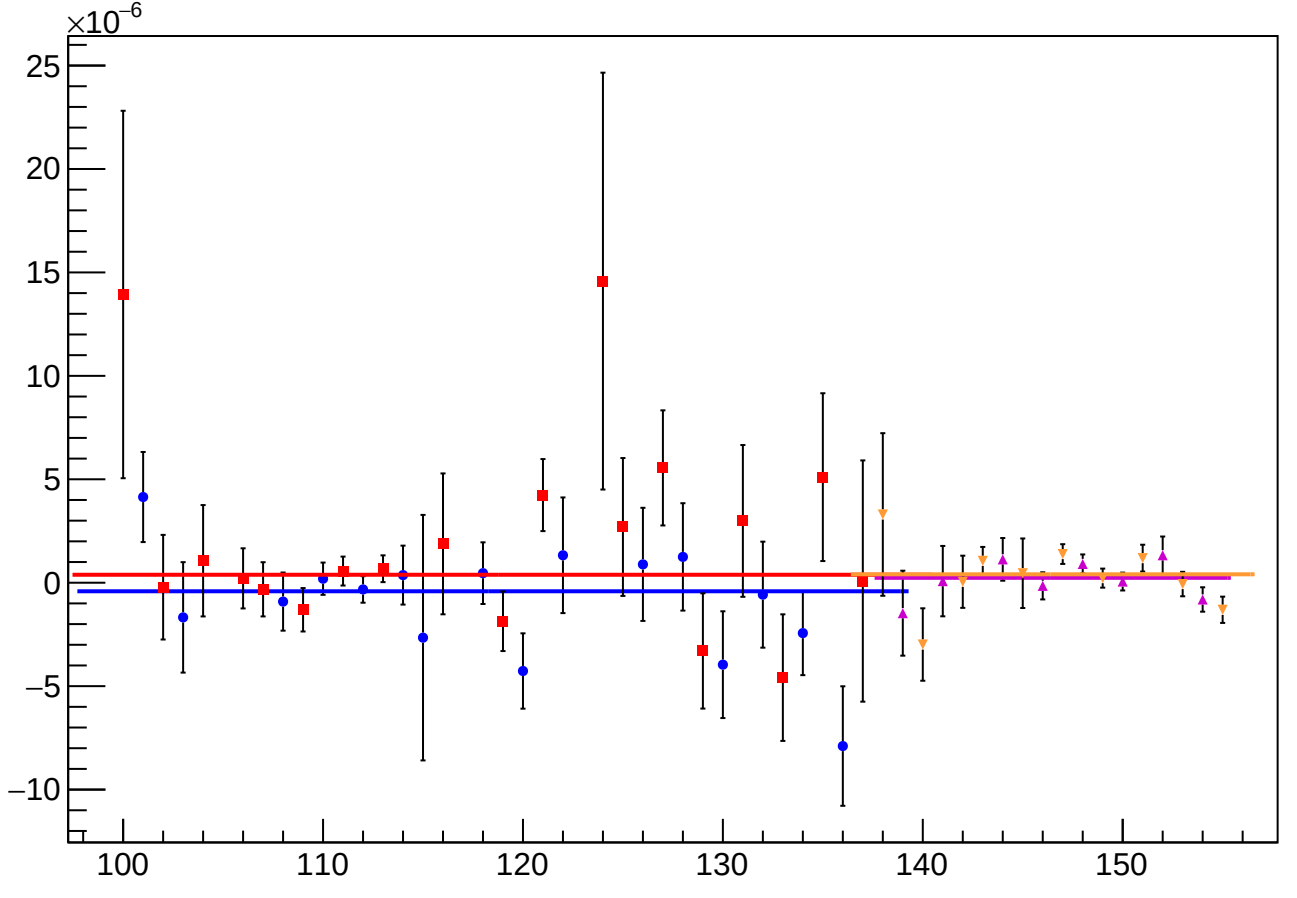
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.690+/-0.008 χ^2/NDF:308184.4/7

+ sign 28.944+/-0.005 χ^2/NDF: 1303232.2/25

All: 29.180+/-0.004 χ^2/NDF: 2304192.9/52

- sign 29.436+/-0.006 χ^2/NDF: 997102.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/9

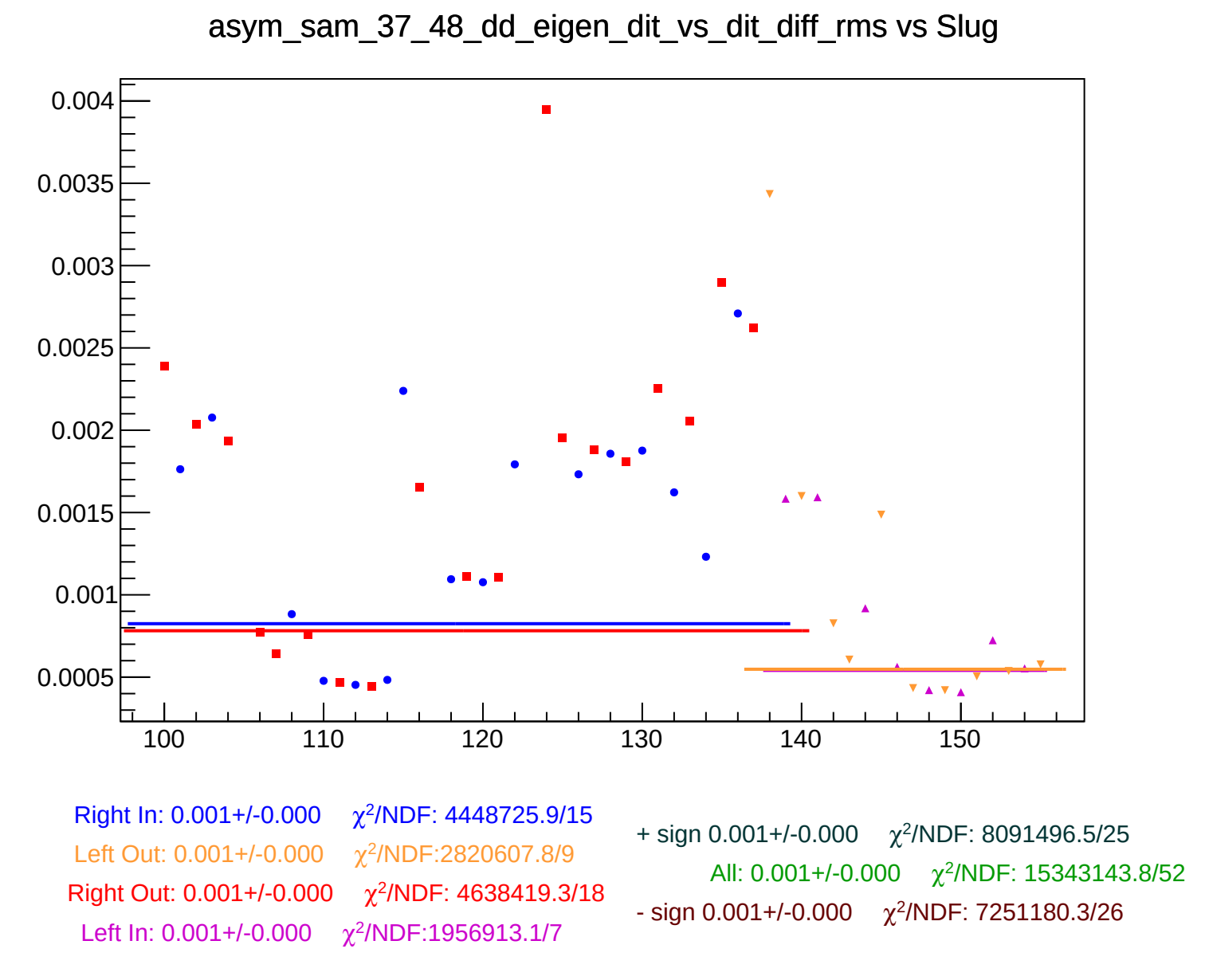
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

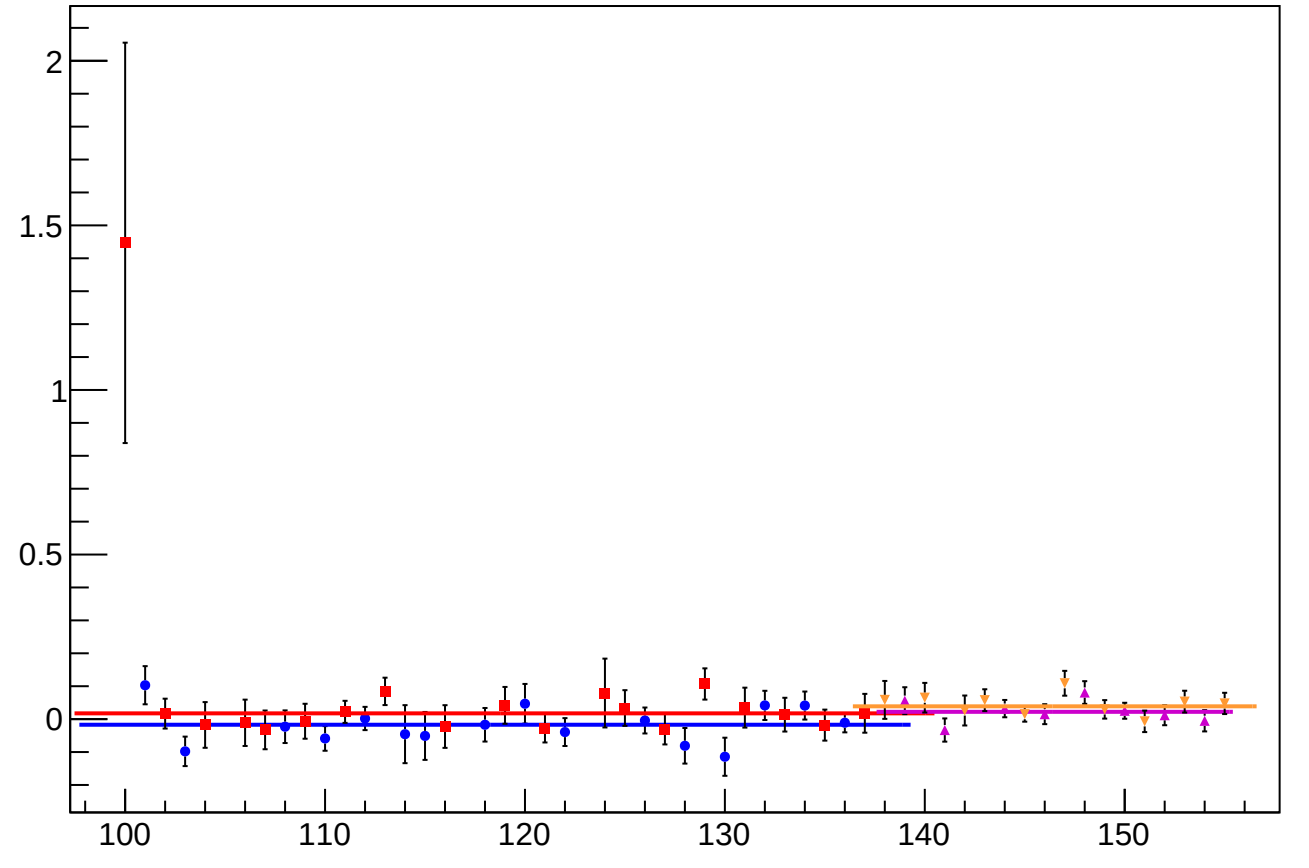
Left In: 0.000+/-0.000 χ^2/NDF:8.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 43.9/25

All: 0.000+/-0.000 χ^2/NDF: 78.2/52

- sign 0.000+/-0.000 χ^2/NDF: 34.1/26


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2820607.8/9
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:1956913.1/7
+ sign 0.001+/-0.000 χ²/NDF: 8091496.5/25
All: 0.001+/-0.000 χ²/NDF: 15343143.8/52
- sign 0.001+/-0.000 χ²/NDF: 7251180.3/26



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.039+/-0.011 χ^2/NDF:7.7/9

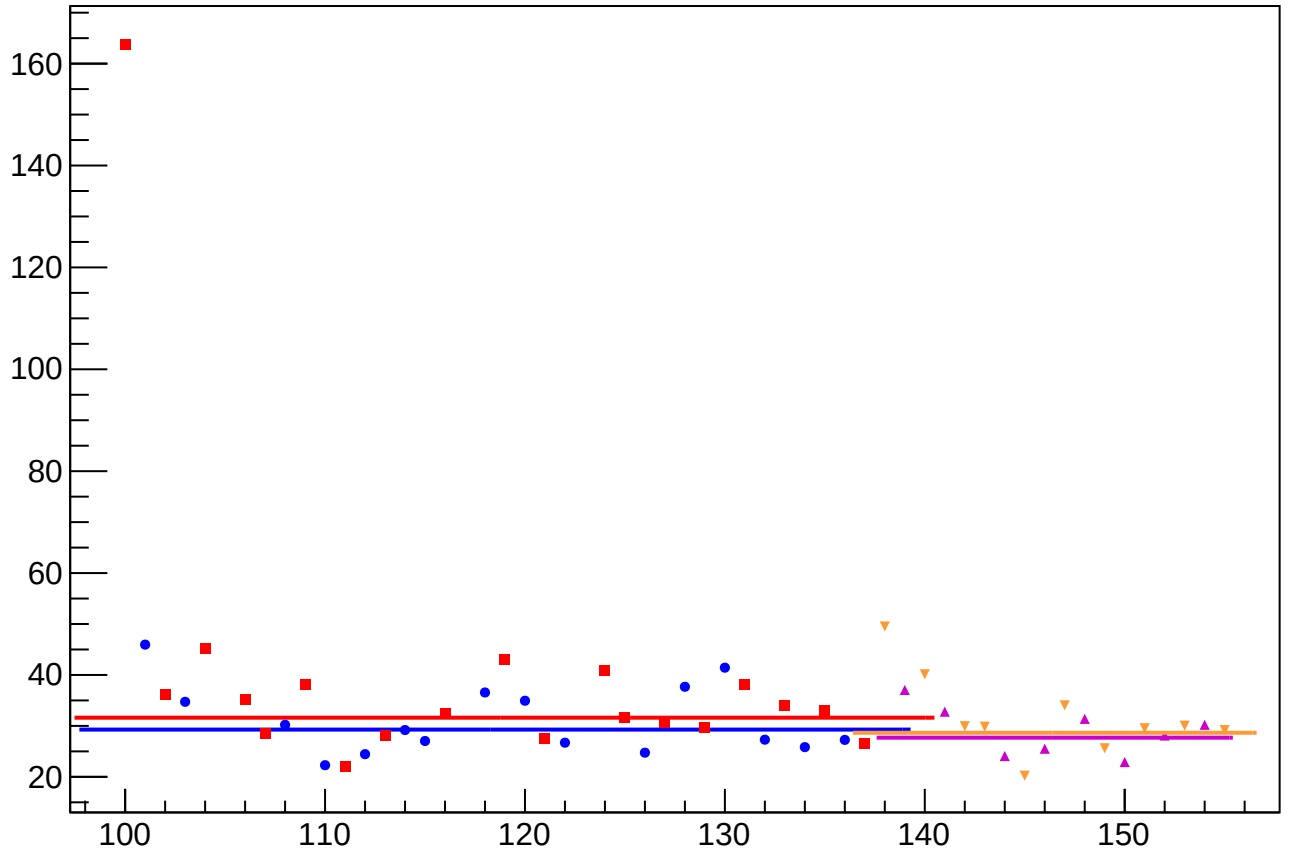
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.022+/-0.011 χ^2/NDF:7.1/7

+ sign 0.013+/-0.008 χ^2/NDF: 39.5/25

All: 0.016+/-0.006 χ^2/NDF: 63.9/52

- sign 0.020+/-0.008 χ^2/NDF: 24.0/26



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.652+/-0.008 χ^2/NDF:739373.8/9

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

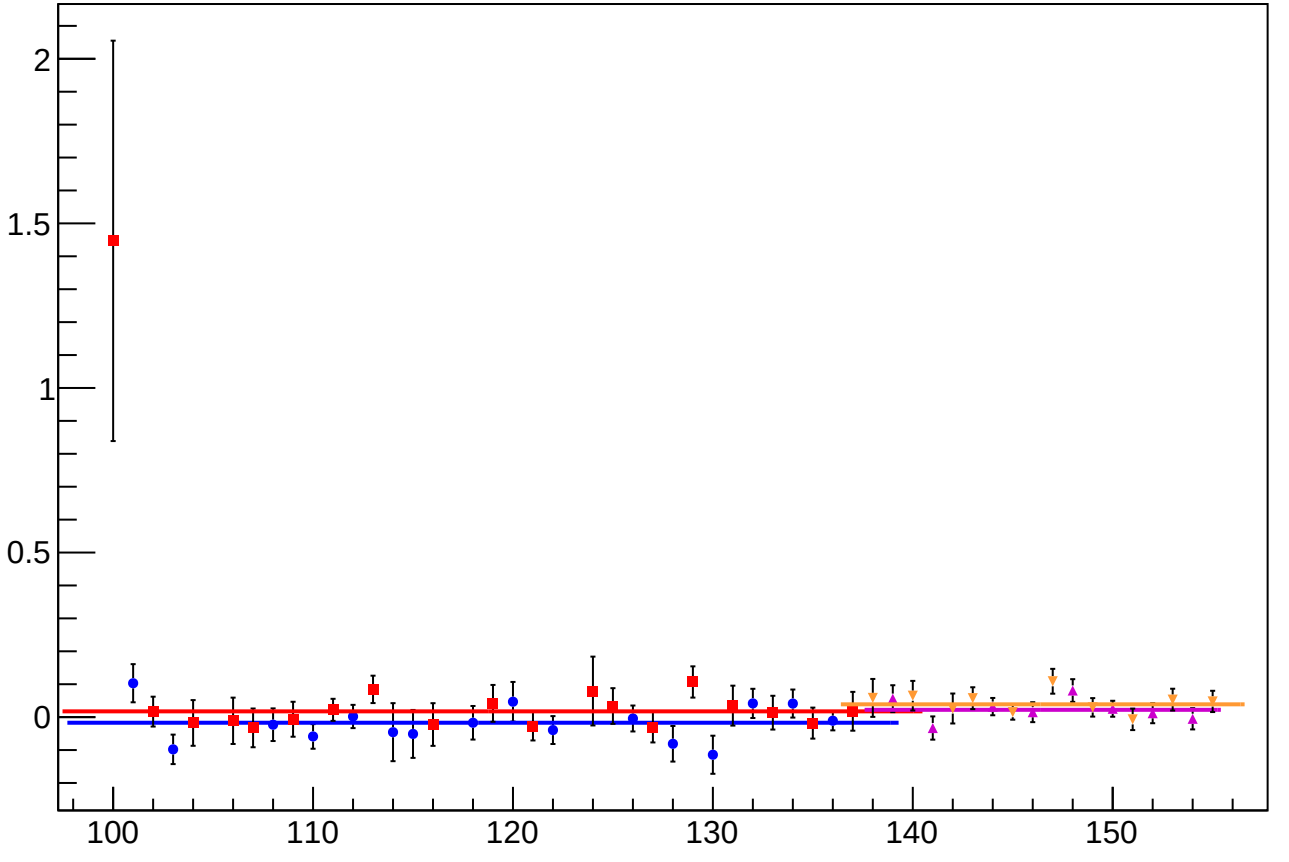
Left In: 27.690+/-0.008 χ^2/NDF:308155.8/7

+ sign 28.944+/-0.005 χ^2/NDF: 1303285.6/25

All: 29.180+/-0.004 χ^2/NDF: 2304234.5/52

- sign 29.436+/-0.006 χ^2/NDF: 997088.4/26

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: 0.039+/-0.011 χ^2/NDF:7.7/9

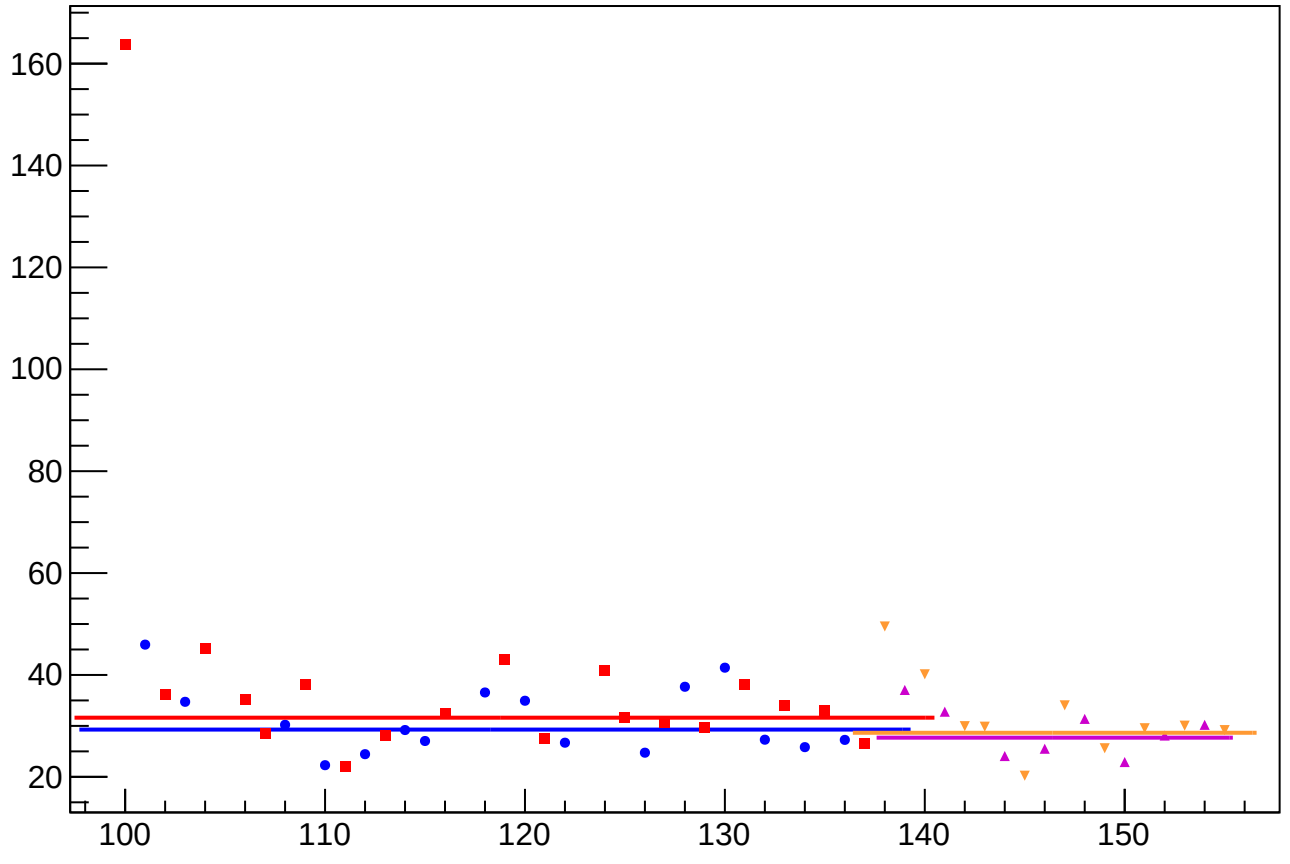
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.022+/-0.011 χ^2/NDF:7.1/7

+ sign 0.013+/-0.008 χ^2/NDF: 39.5/25

All: 0.016+/-0.006 χ^2/NDF: 63.9/52

- sign 0.020+/-0.008 χ^2/NDF: 24.0/26



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.652+/-0.008 χ^2/NDF:739373.8/9

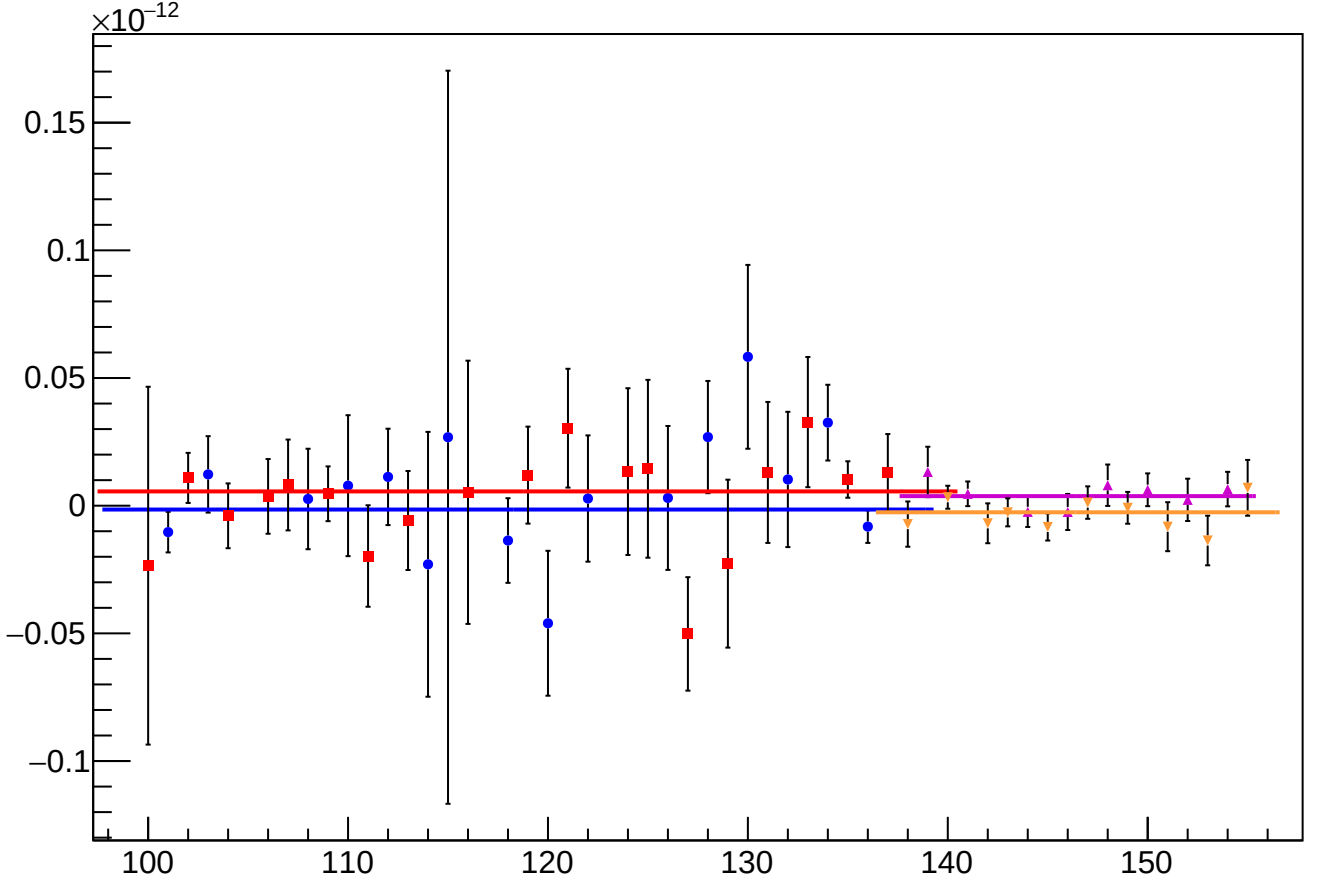
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.690+/-0.008 χ^2/NDF:308155.8/7

+ sign 28.944+/-0.005 χ^2/NDF: 1303285.6/25

All: 29.180+/-0.004 χ^2/NDF: 2304234.5/52

- sign 29.436+/-0.006 χ^2/NDF: 997088.4/26



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/9

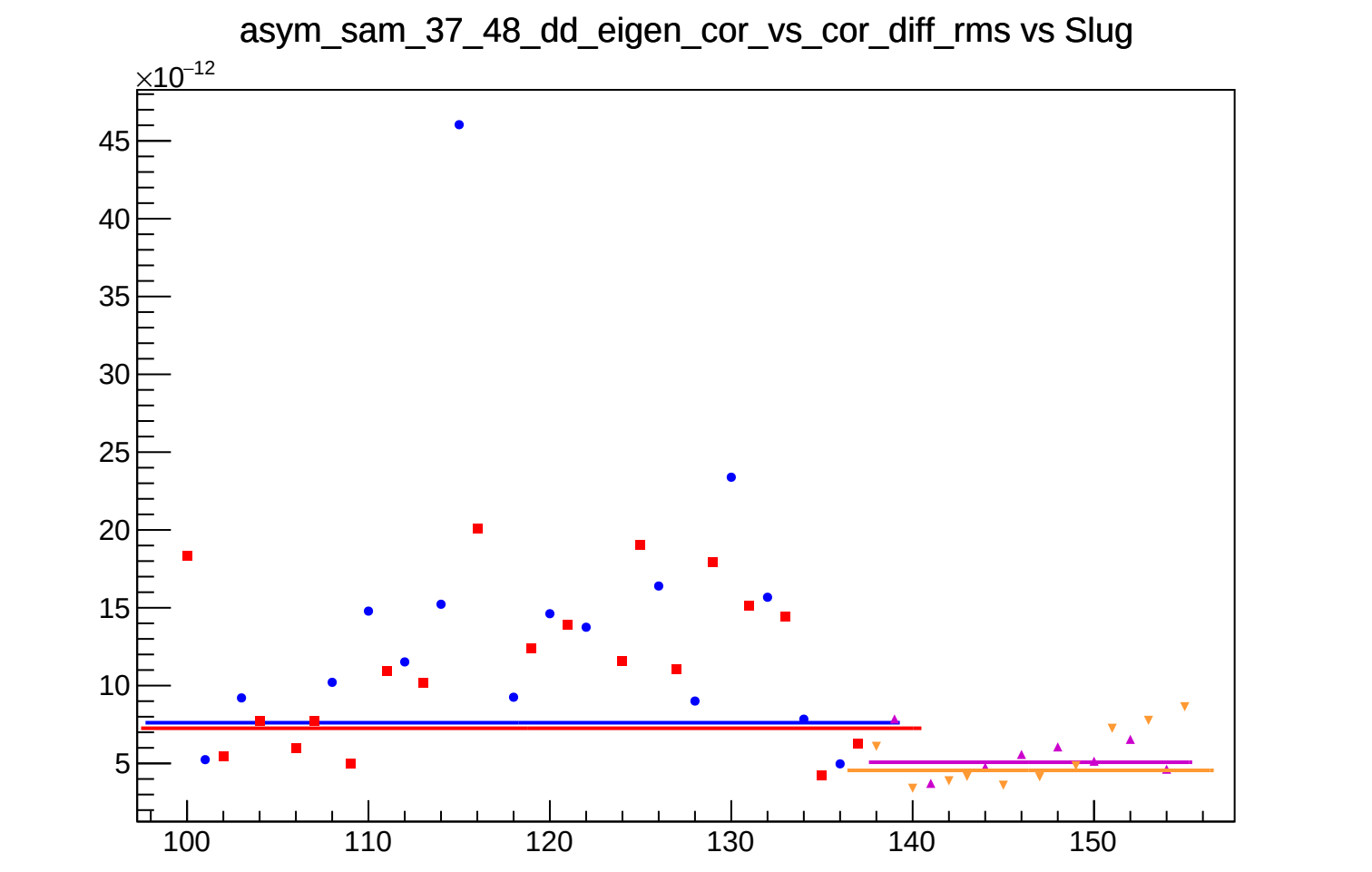
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 23.3/25

All: 0.000+/-0.000 χ^2/NDF: 46.2/52

- sign 0.000+/-0.000 χ^2/NDF: 16.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:951735.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

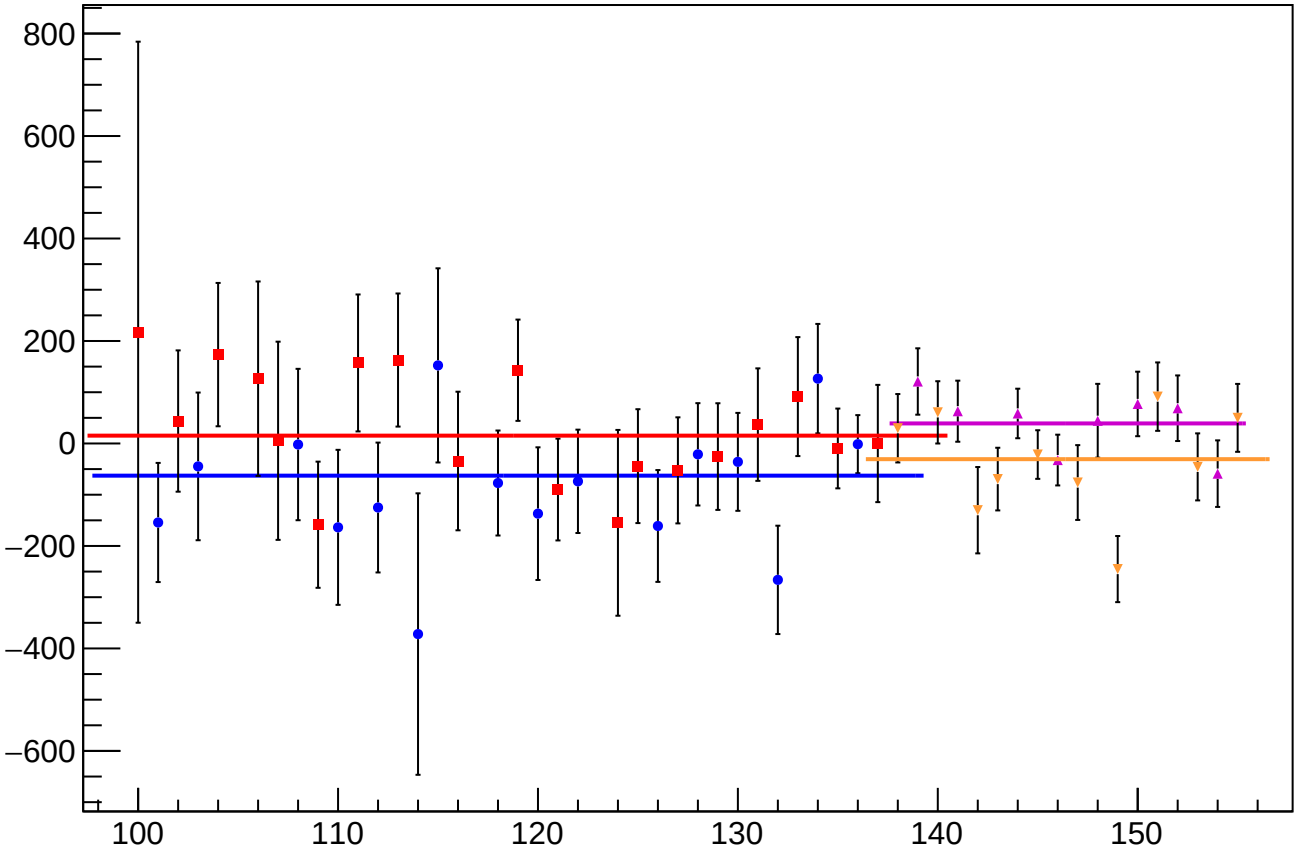
Left In: 0.000+/-0.000 χ^2/NDF:433590.5/7

+ sign 0.000+/-0.000 χ^2/NDF: 3960352.6/25

All: 0.000+/-0.000 χ^2/NDF: 6954109.8/52

- sign 0.000+/-0.000 χ^2/NDF: 2935182.4/26

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -30.628+/-20.156 χ^2/NDF:21.2/9

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

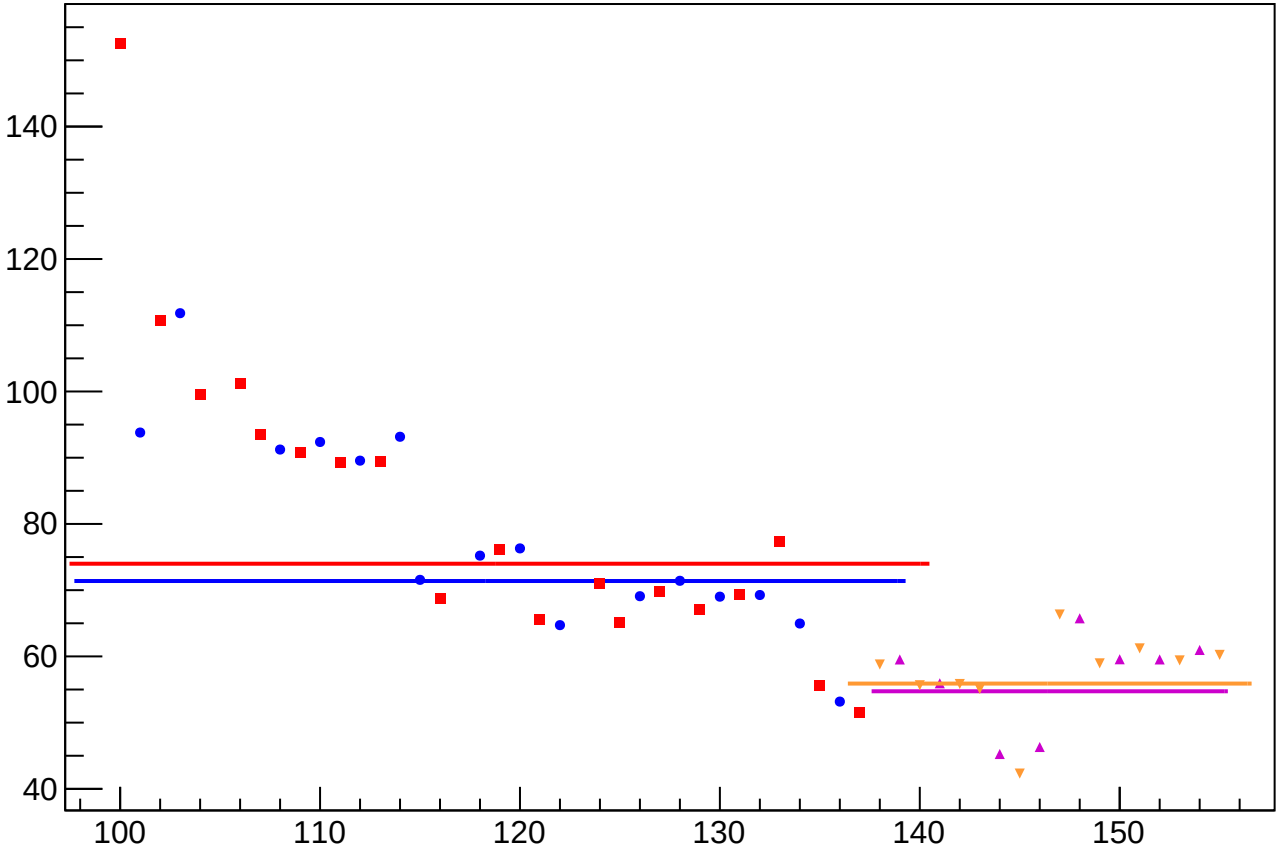
Left In: 39.119+/-20.935 χ^2/NDF:6.9/7

+ sign -42.024+/-16.197 χ^2/NDF: 35.6/25

All: -6.916+/-11.632 χ^2/NDF: 64.1/52

- sign 30.483+/-16.717 χ^2/NDF: 18.8/26

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 55.897+/-0.014 χ^2/NDF:240452.9/9

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

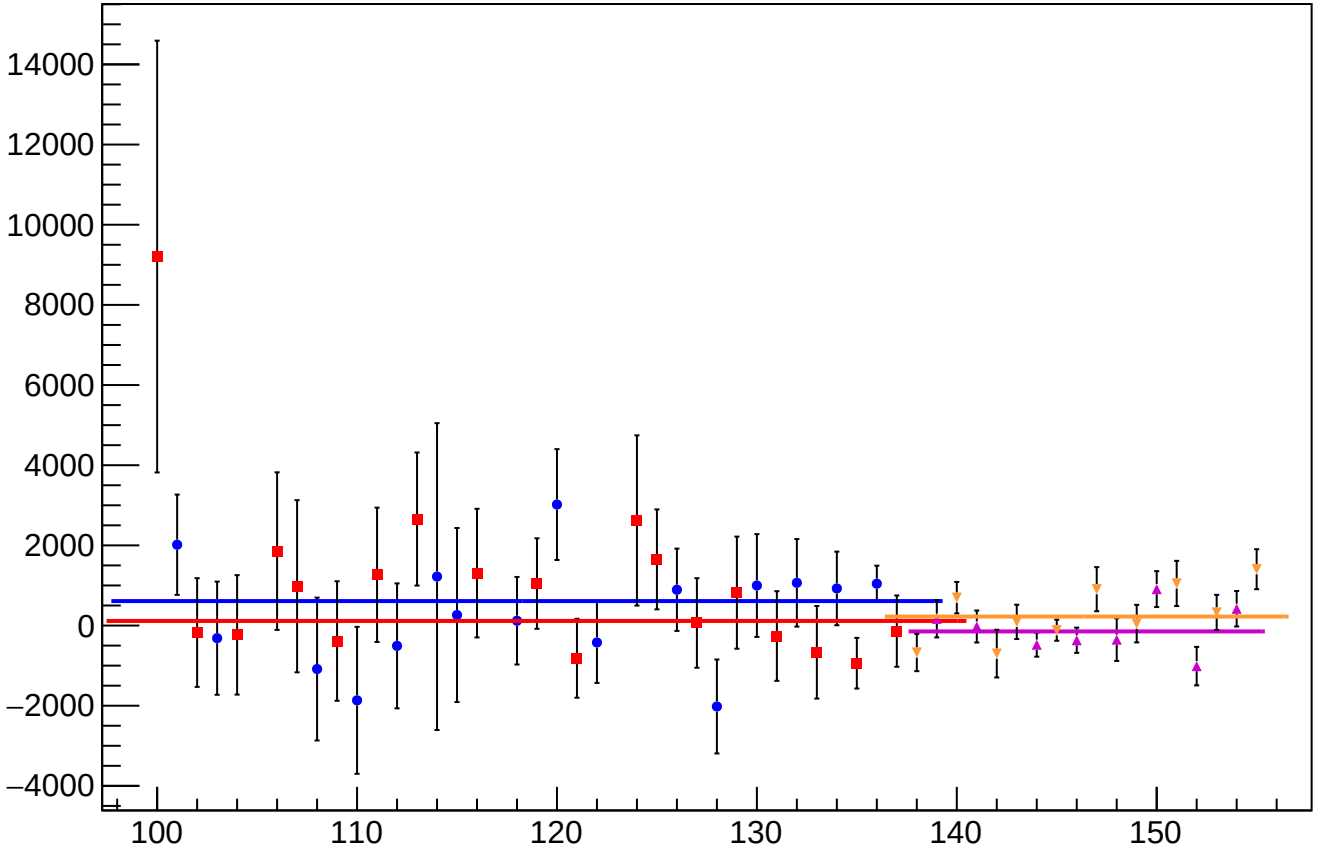
Left In: 54.735+/-0.015 χ^2/NDF:234582.9/7

+ sign 61.383+/-0.011 χ^2/NDF: 1249611.4/25

All: 61.543+/-0.008 χ^2/NDF: 2736392.8/52

- sign 61.714+/-0.012 χ^2/NDF: 1486377.3/26

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 224.285+/-136.119 χ^2/NDF:18.8/9

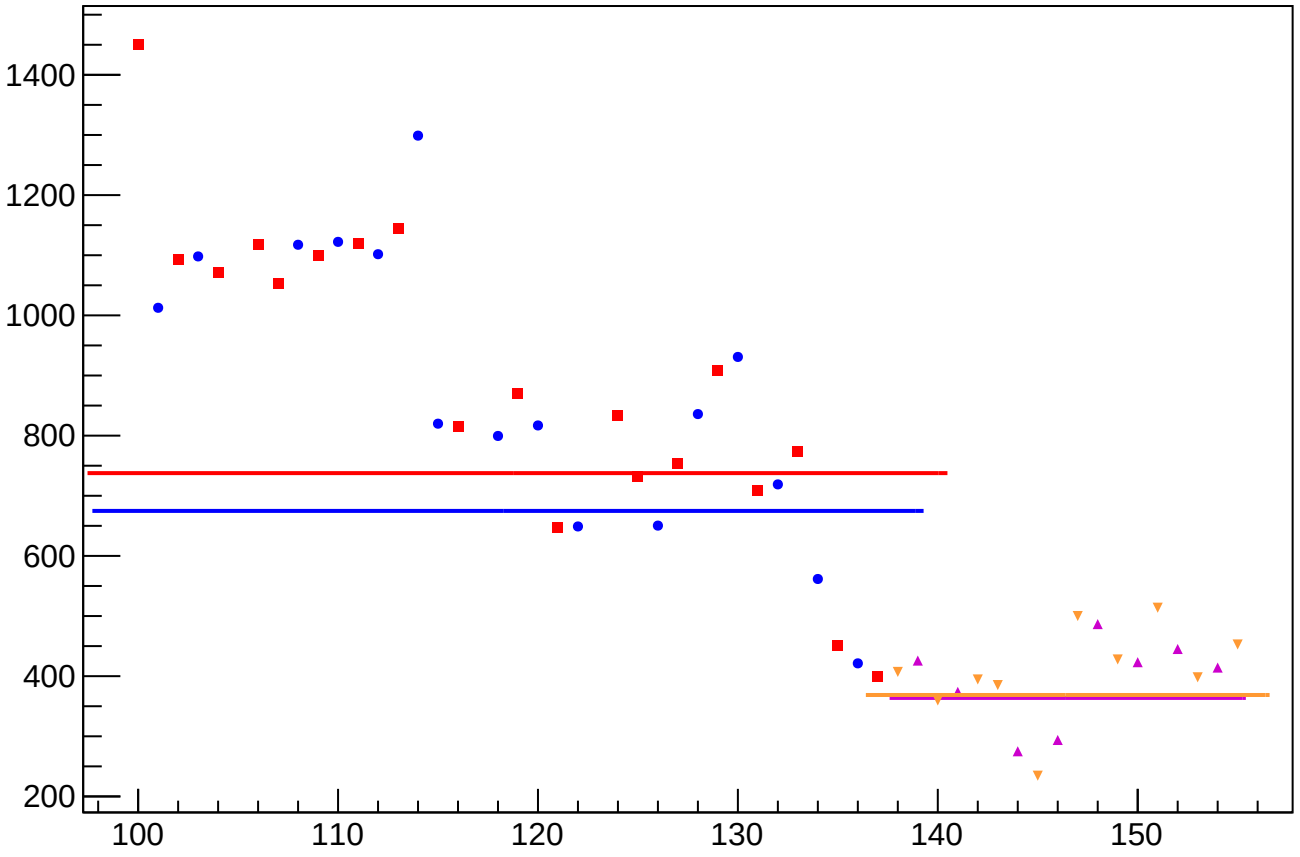
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -146.507+/-141.234 χ^2/NDF:12.9/7

+ sign 304.063+/-121.250 χ^2/NDF: 36.2/25

All: 113.049+/-87.530 χ^2/NDF: 70.5/52

- sign -94.821+/-126.487 χ^2/NDF: 29.1/26



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 368.709+/-0.096 χ^2/NDF:883269.2/9

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

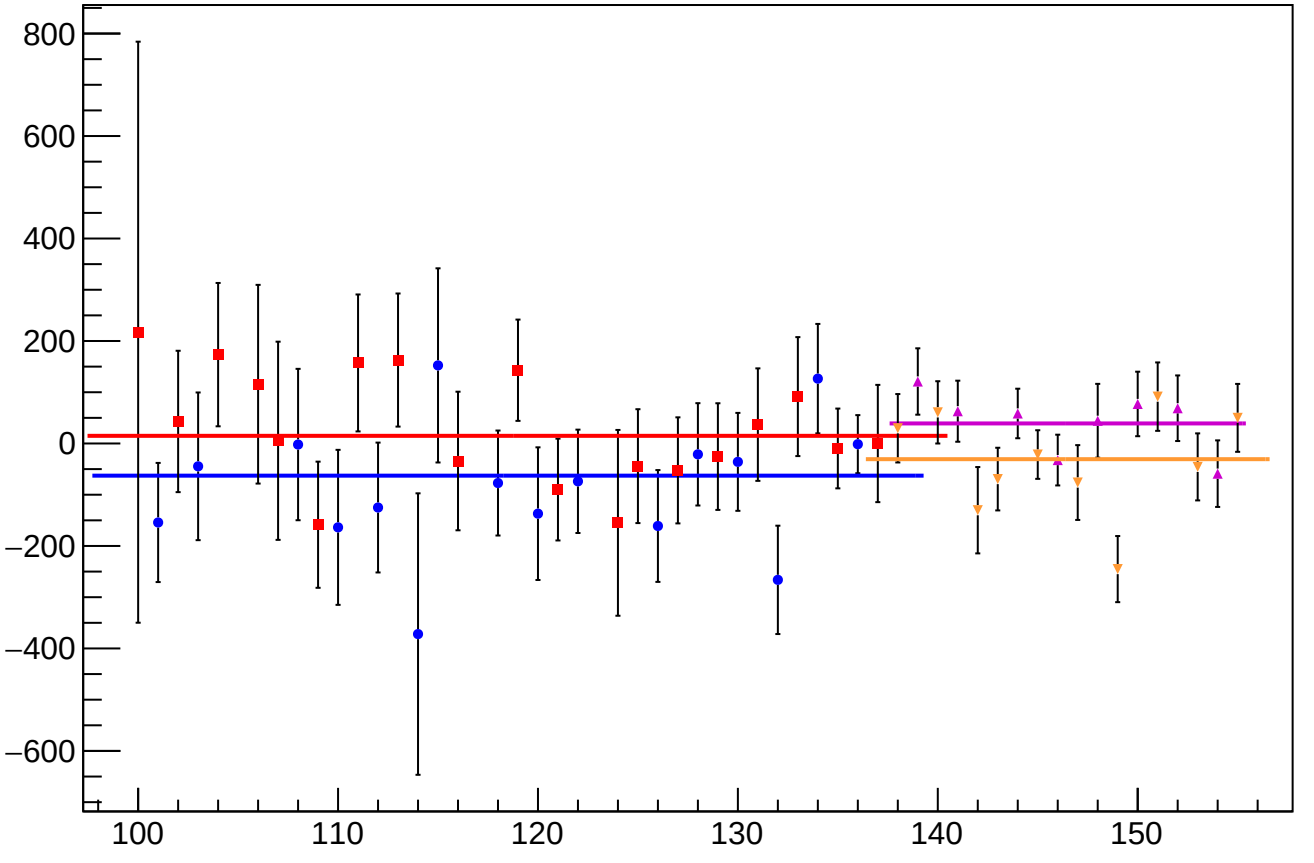
Left In: 363.825+/-0.100 χ^2/NDF:536345.1/7

+ sign 431.933+/-0.086 χ^2/NDF: 4590008.9/25

All: 434.752+/-0.062 χ^2/NDF: 9418985.6/52

- sign 437.819+/-0.089 χ^2/NDF: 4826719.4/26

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -30.629+/-20.156 χ^2/NDF:21.2/9

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

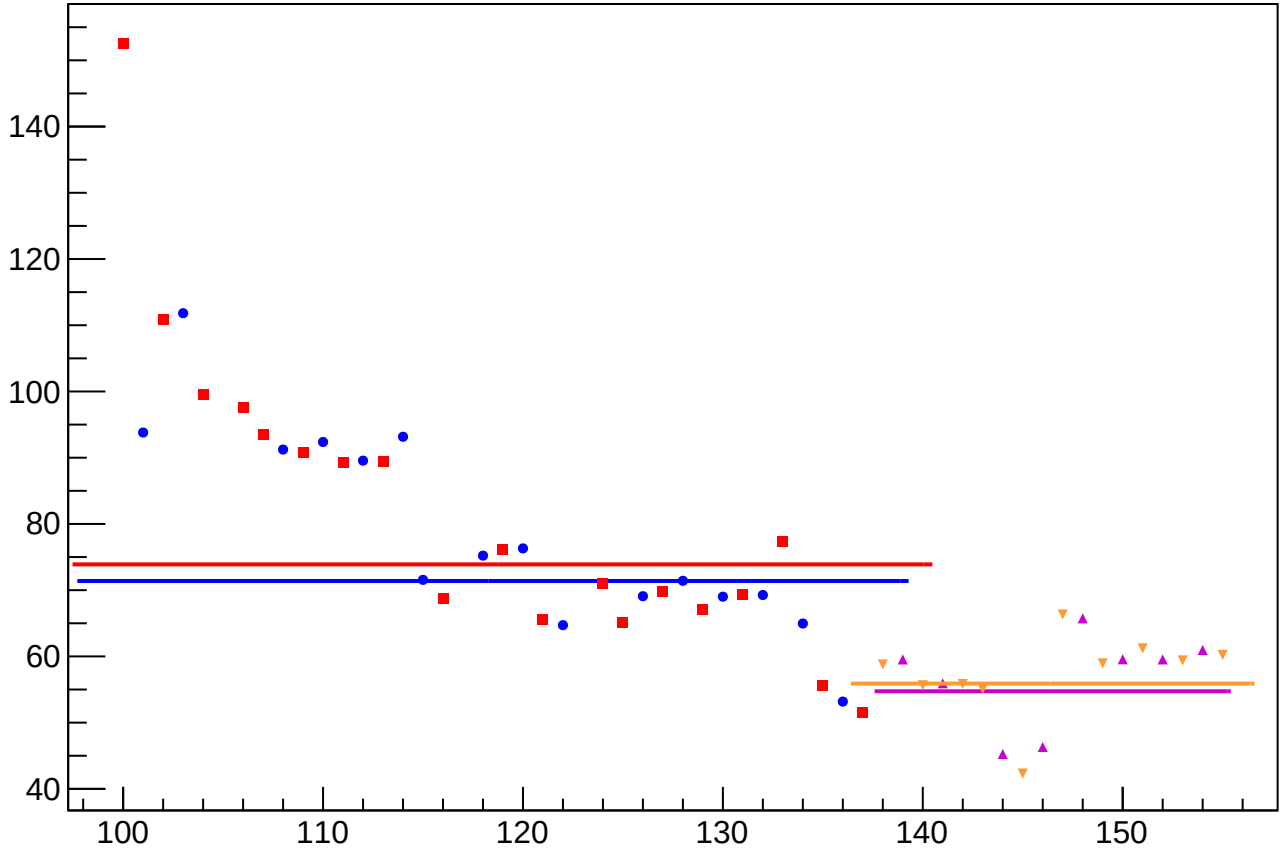
Left In: 39.119+/-20.935 χ^2/NDF:6.9/7

+ sign -42.022+/-16.197 χ^2/NDF: 35.6/25

All: -6.981+/-11.633 χ^2/NDF: 64.0/52

- sign 30.360+/-16.720 χ^2/NDF: 18.7/26

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.897+/-0.014 χ^2/NDF:240452.9/9

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

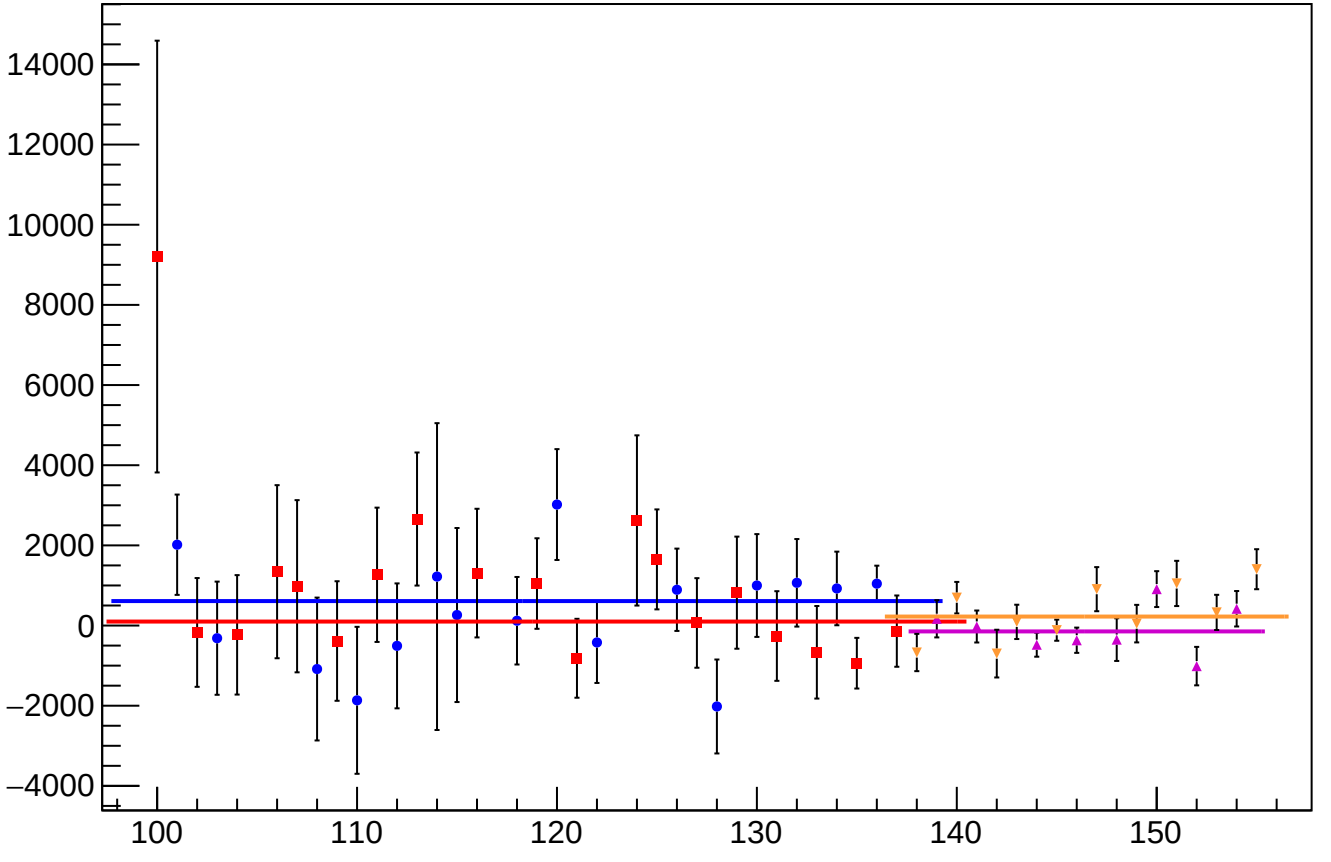
Left In: 54.735+/-0.015 χ^2/NDF:234582.9/7

+ sign 61.383+/-0.011 χ^2/NDF: 1249614.0/25

All: 61.524+/-0.008 χ^2/NDF: 2718165.7/52

- sign 61.673+/-0.012 χ^2/NDF: 1468240.2/26

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 224.284+/-136.119 χ^2/NDF:18.8/9

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

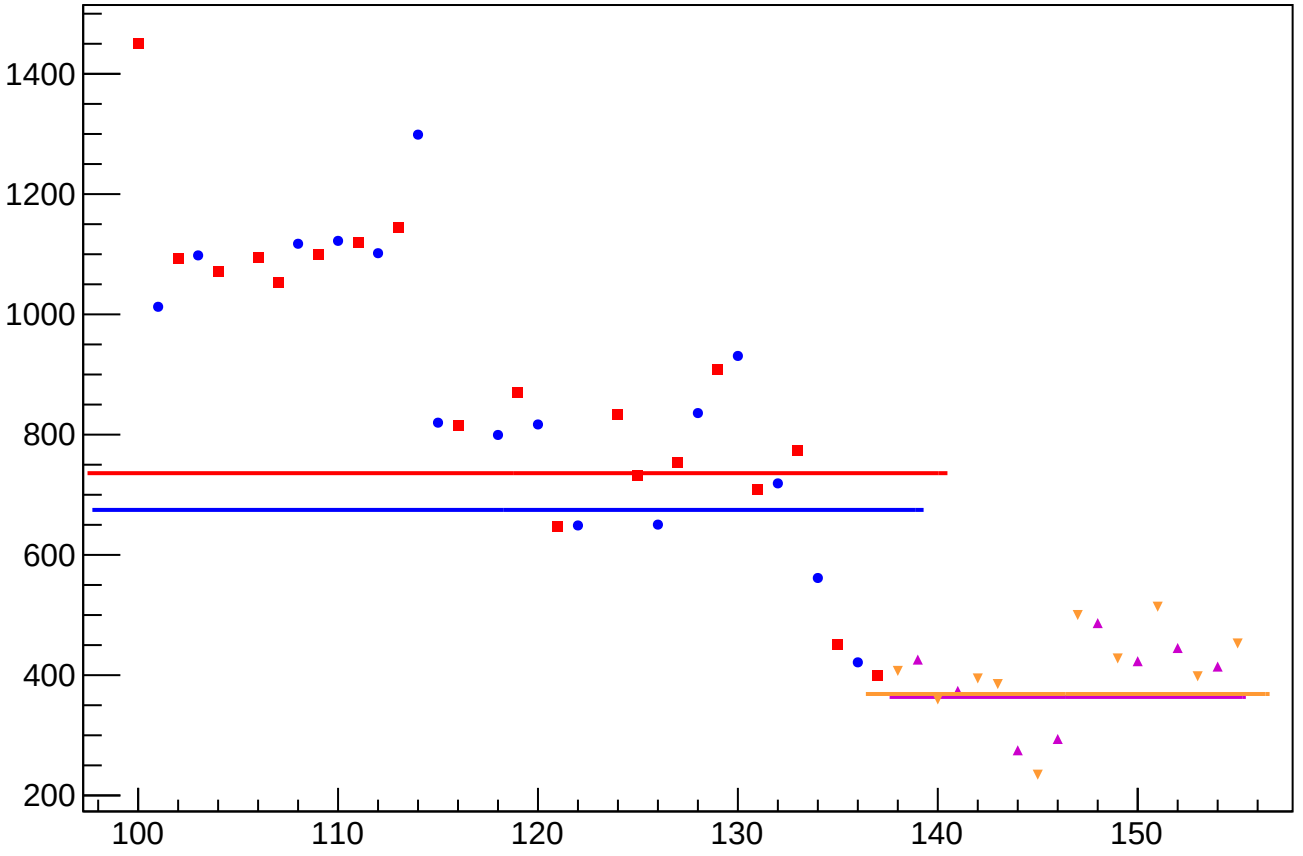
Left In: -146.506+/-141.234 χ^2/NDF:12.9/7

+ sign 304.060+/-121.250 χ^2/NDF: 36.2/25

All: 111.623+/-87.545 χ^2/NDF: 70.0/52

- sign -97.946+/-126.533 χ^2/NDF: 28.6/26

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 368.709+/-0.096 χ^2/NDF:883275.6/9

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

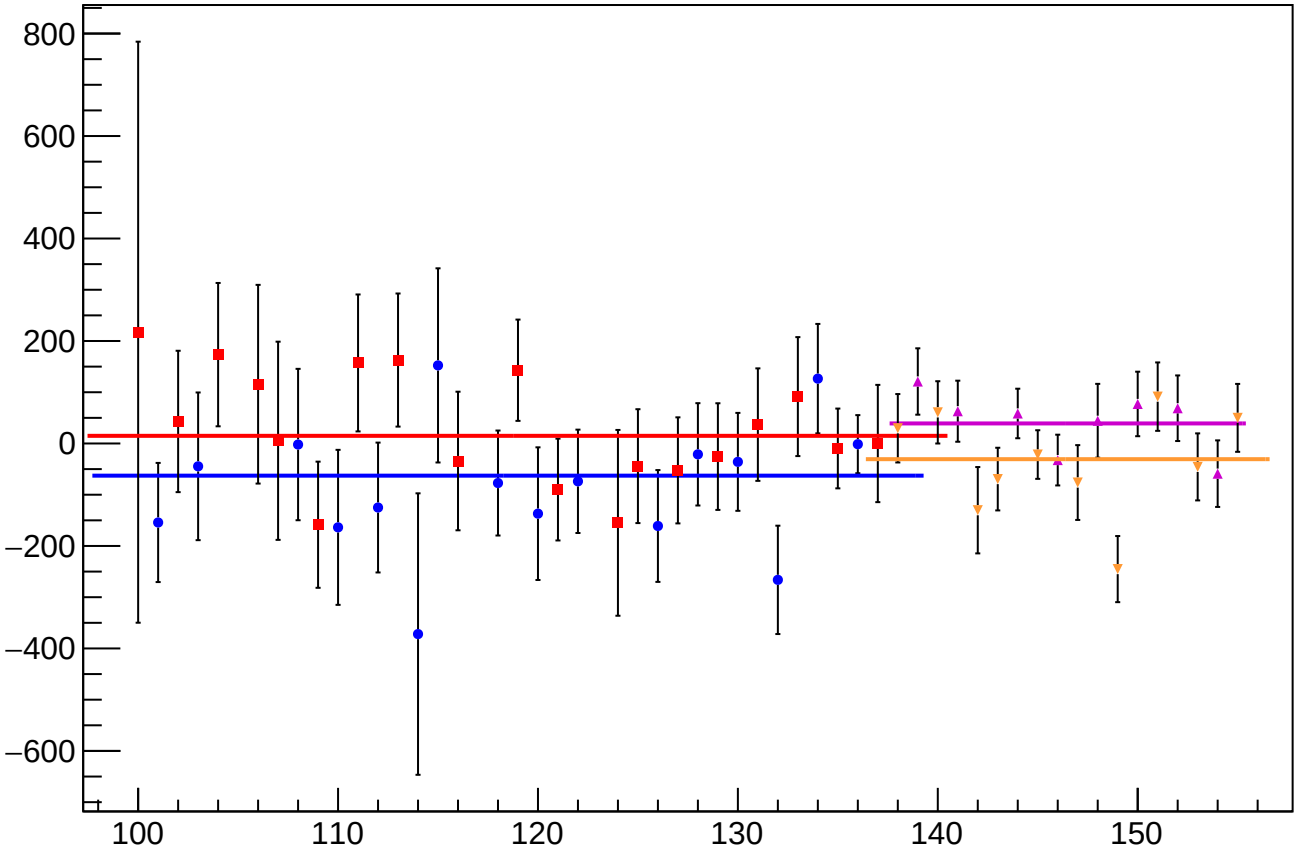
Left In: 363.825+/-0.100 χ^2/NDF:536345.4/7

+ sign 431.932+/-0.086 χ^2/NDF: 4590044.9/25

All: 434.481+/-0.062 χ^2/NDF: 9364829.8/52

- sign 437.257+/-0.089 χ^2/NDF: 4772938.8/26

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -30.629+/-20.156 χ^2/NDF:21.2/9

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

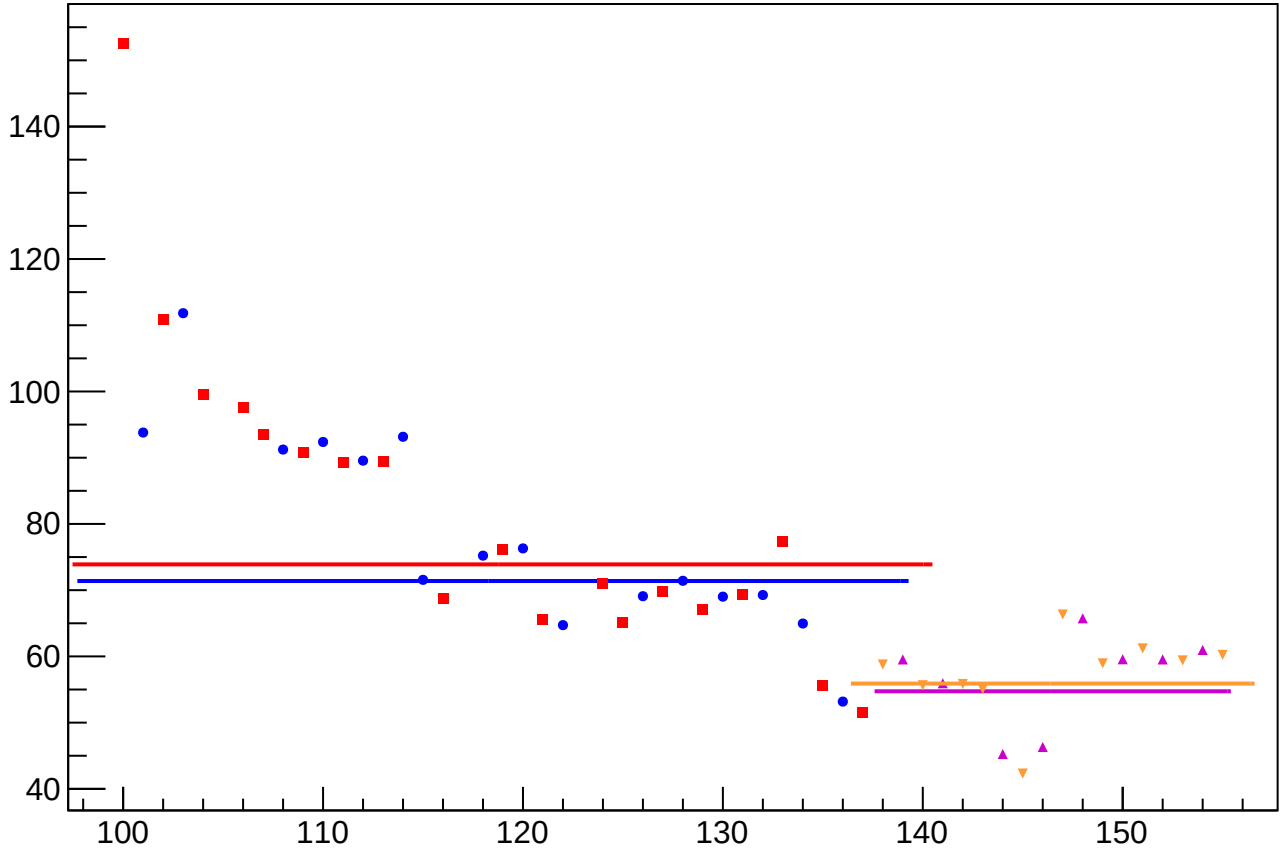
Left In: 39.119+/-20.935 χ^2/NDF:6.9/7

+ sign -42.022+/-16.197 χ^2/NDF: 35.6/25

All: -6.981+/-11.633 χ^2/NDF: 64.0/52

- sign 30.360+/-16.720 χ^2/NDF: 18.7/26

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.897+/-0.014 χ^2/NDF:240452.9/9

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

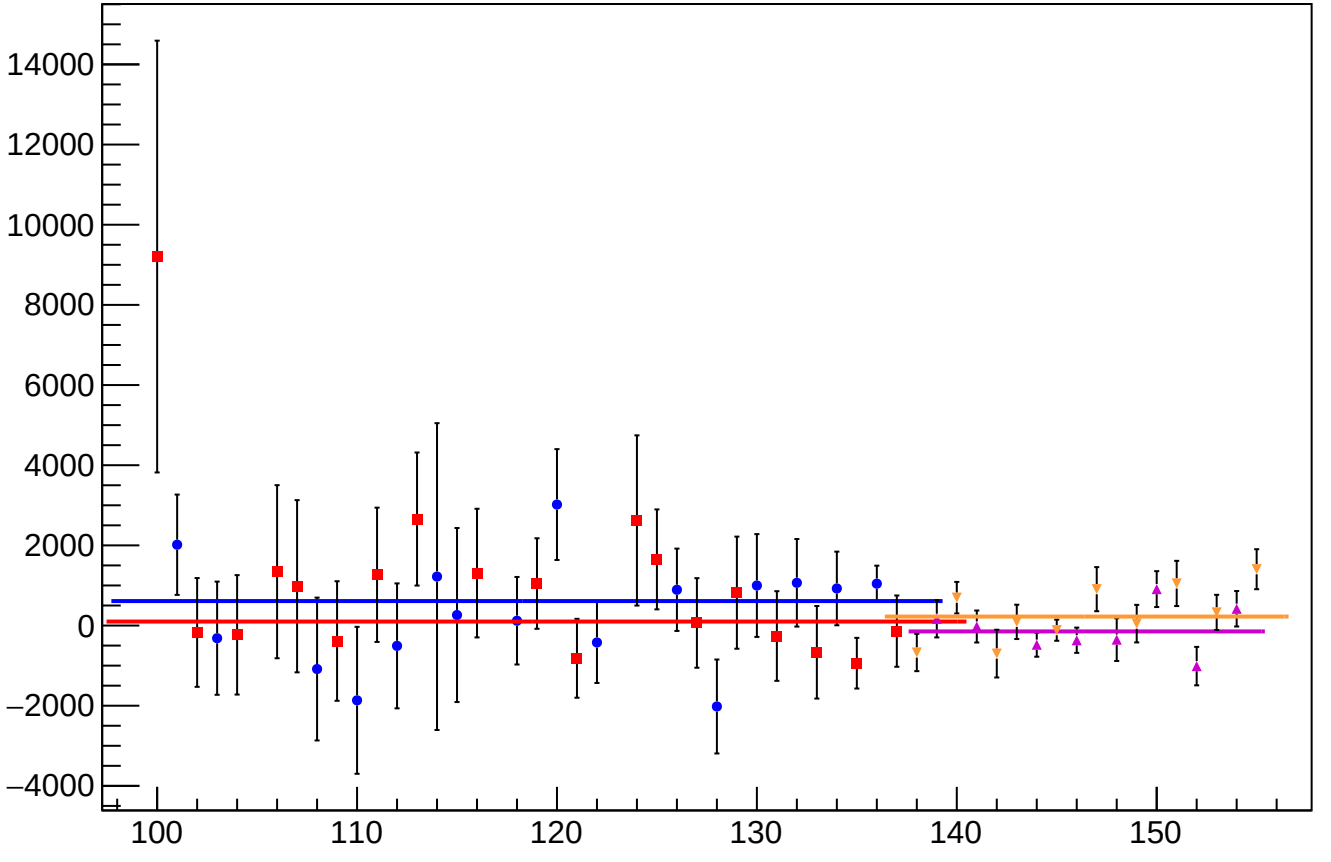
Left In: 54.735+/-0.015 χ^2/NDF:234582.9/7

+ sign 61.383+/-0.011 χ^2/NDF: 1249614.0/25

All: 61.524+/-0.008 χ^2/NDF: 2718165.7/52

- sign 61.673+/-0.012 χ^2/NDF: 1468240.2/26

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 224.284+/-136.119 χ^2/NDF:18.8/9

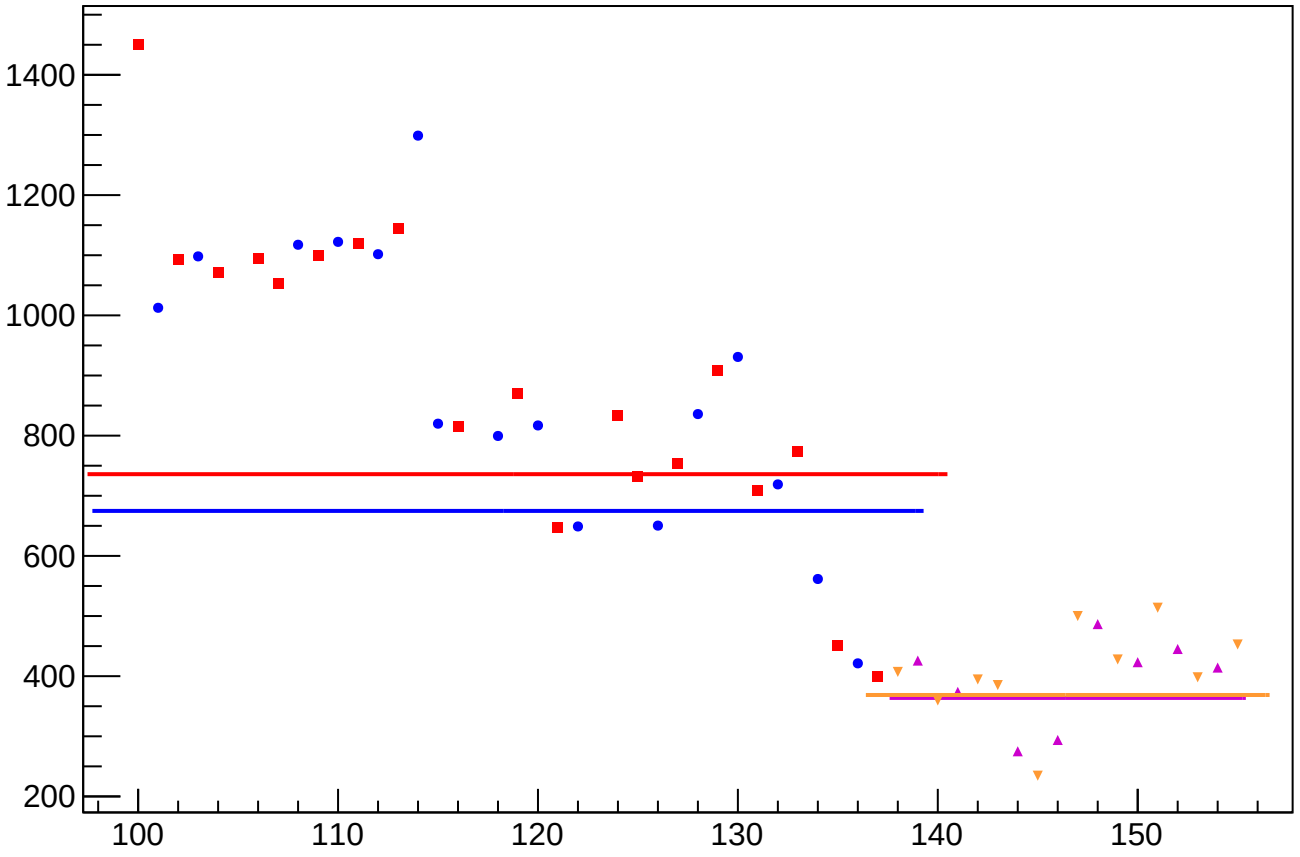
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -146.506+/-141.234 χ^2/NDF:12.9/7

+ sign 304.060+/-121.250 χ^2/NDF: 36.2/25

All: 111.623+/-87.545 χ^2/NDF: 70.0/52

- sign -97.946+/-126.533 χ^2/NDF: 28.6/26



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 368.709+/-0.096 χ^2/NDF:883275.6/9

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

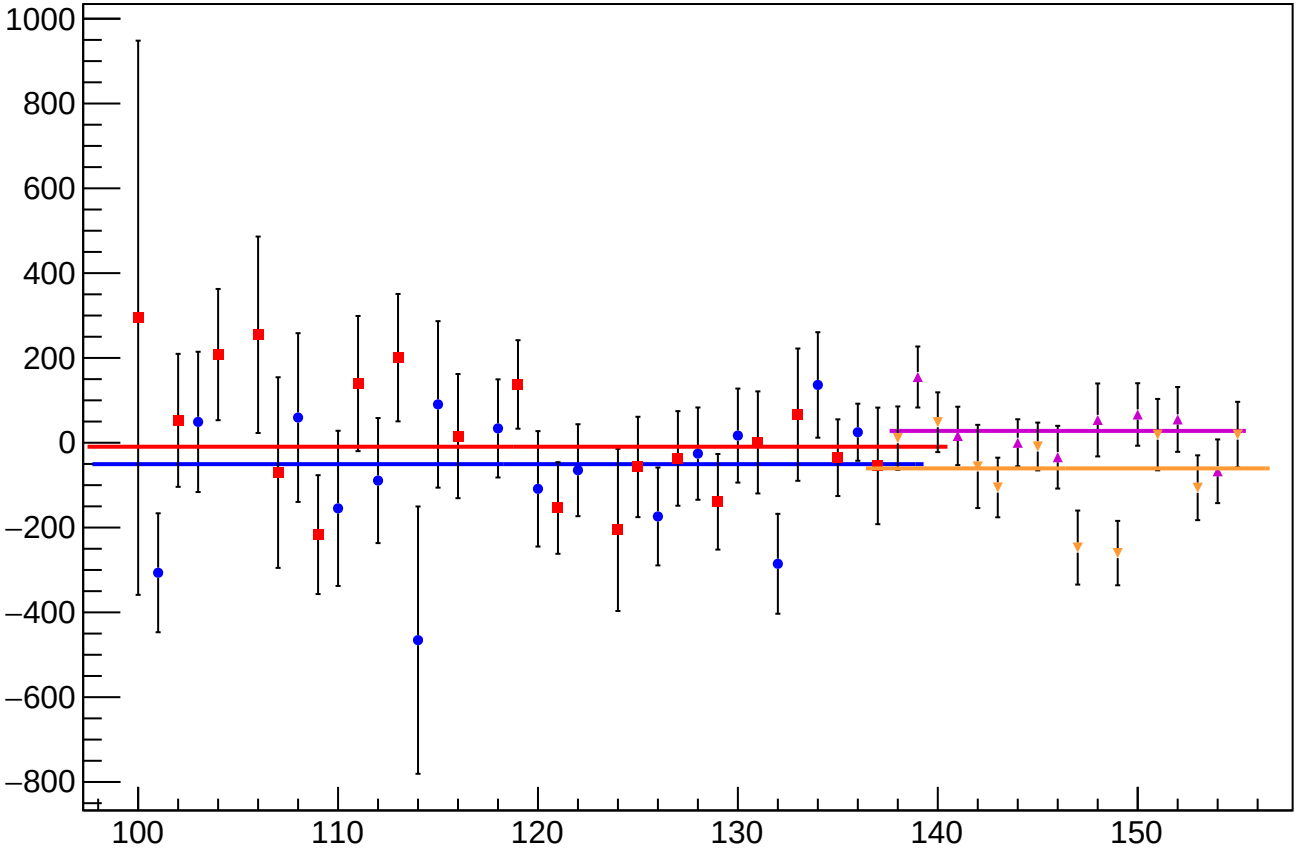
Left In: 363.825+/-0.100 χ^2/NDF:536345.4/7

+ sign 431.932+/-0.086 χ^2/NDF: 4590044.9/25

All: 434.481+/-0.062 χ^2/NDF: 9364829.8/52

- sign 437.257+/-0.089 χ^2/NDF: 4772938.8/26

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -60.470+/-23.659 χ^2/NDF:18.4/9

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

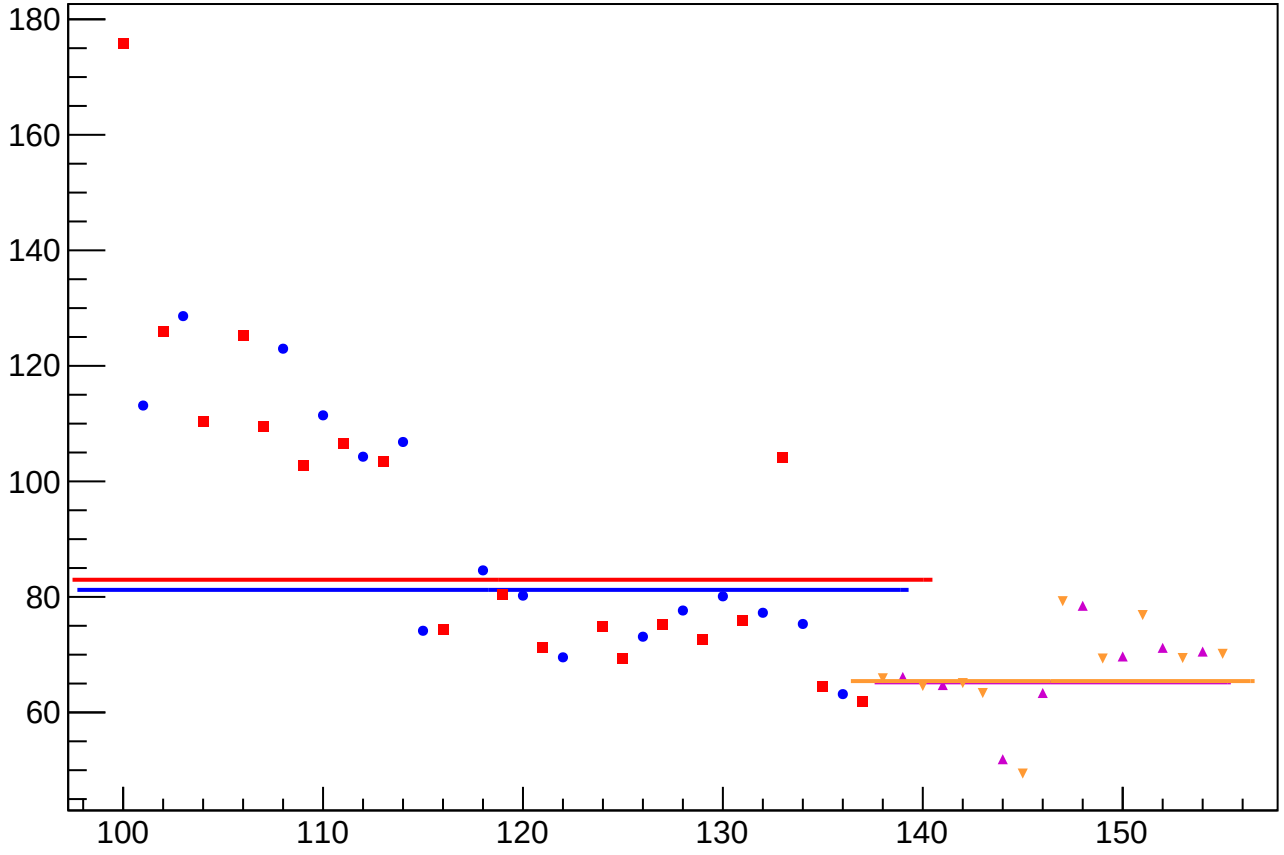
Left In: 27.945+/-25.162 χ^2/NDF:6.2/7

+ sign -56.797+/-18.821 χ^2/NDF: 34.9/25

All: -23.181+/-13.574 χ^2/NDF: 64.1/52

- sign 13.255+/-19.595 χ^2/NDF: 22.6/26

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.426+/-0.017 χ^2/NDF:268861.6/9

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

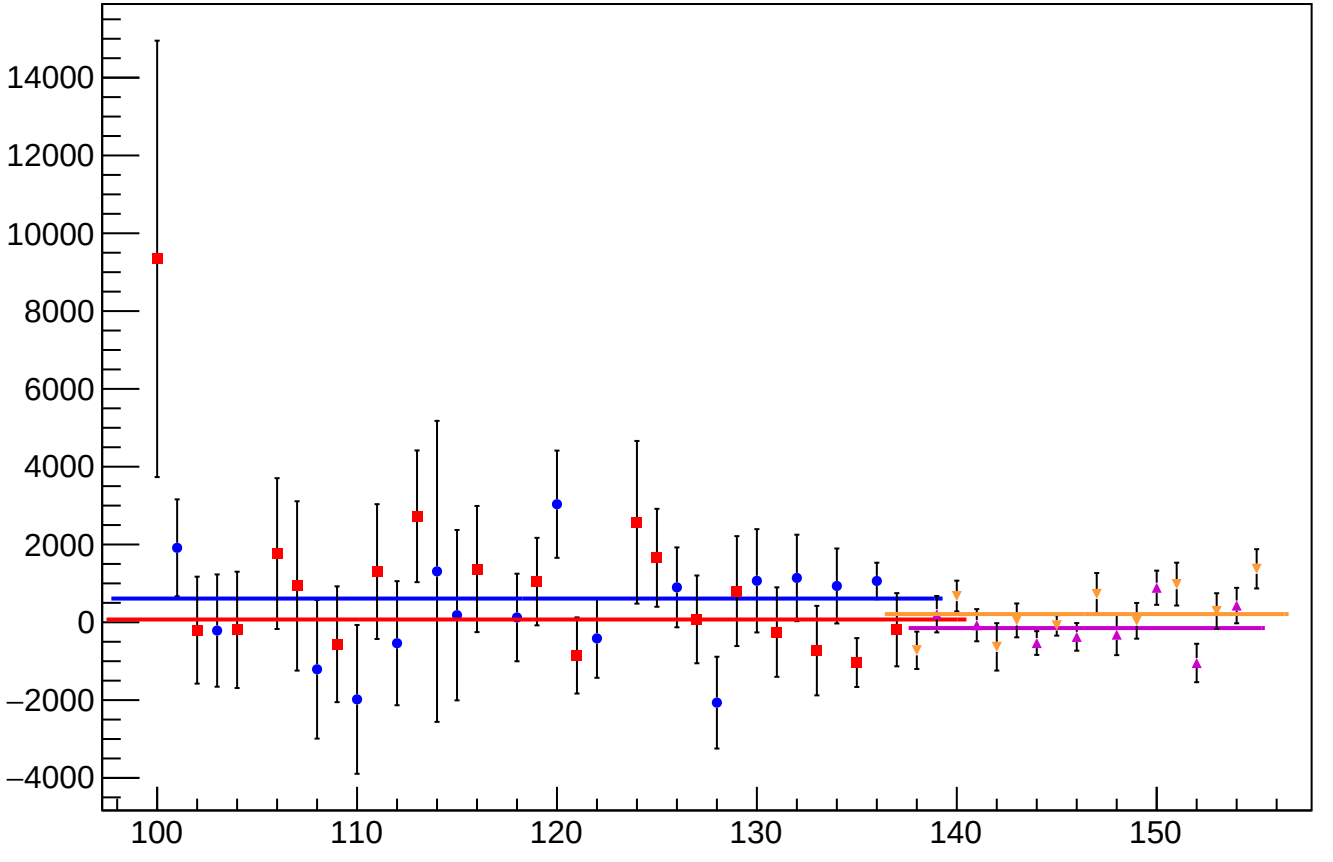
Left In: 65.207+/-0.018 χ^2/NDF:194108.4/7

+ sign 71.224+/-0.013 χ^2/NDF: 1258917.3/25

All: 71.691+/-0.010 χ^2/NDF: 2578269.1/52

- sign 72.198+/-0.014 χ^2/NDF: 1316779.0/26

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 211.394+/-136.816 χ^2/NDF:16.8/9

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

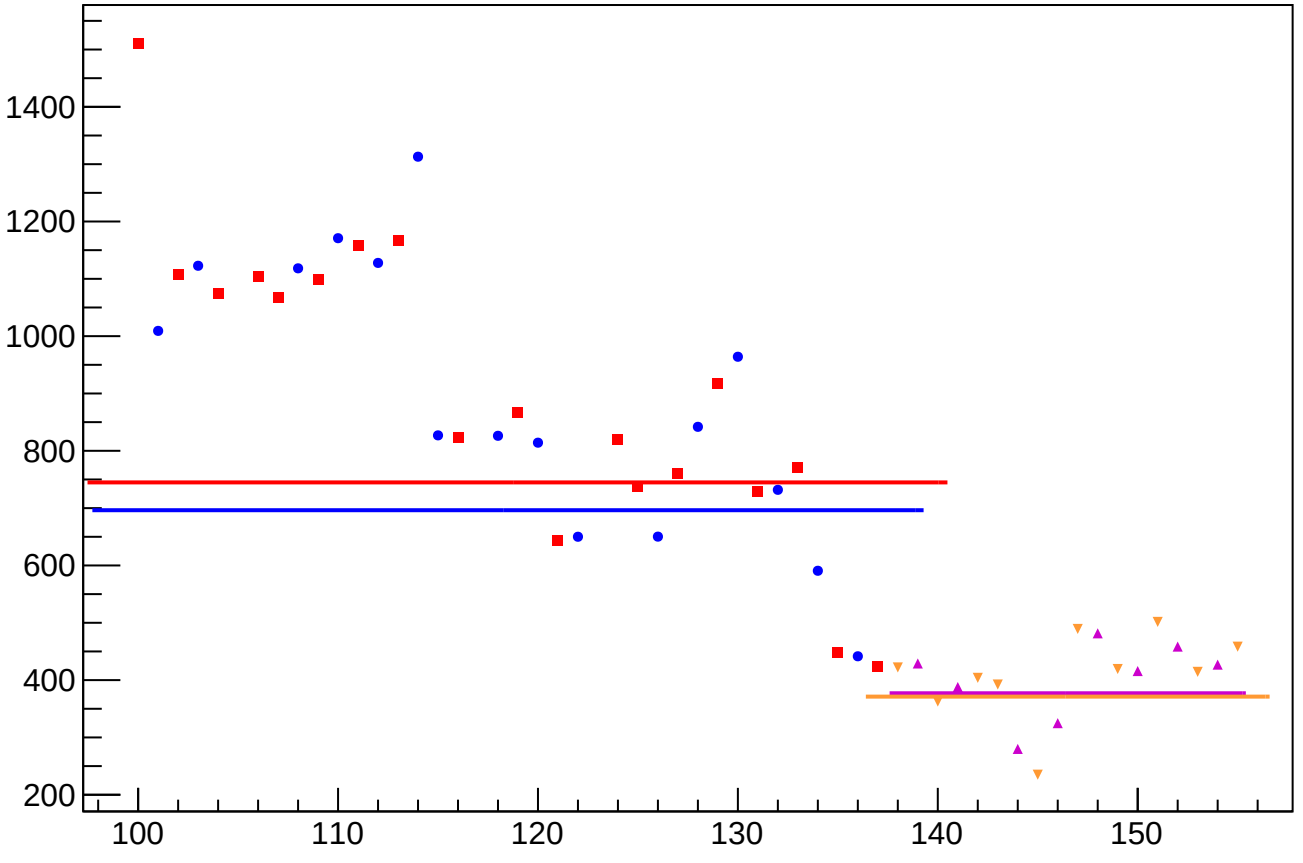
Left In: -148.011+/-146.206 χ^2/NDF:13.2/7

+ sign 291.028+/-122.403 χ^2/NDF: 34.3/25

All: 106.455+/-89.200 χ^2/NDF: 69.0/52

- sign -102.572+/-130.260 χ^2/NDF: 29.8/26

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 371.204+/-0.097 χ^2/NDF:880618.6/9

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

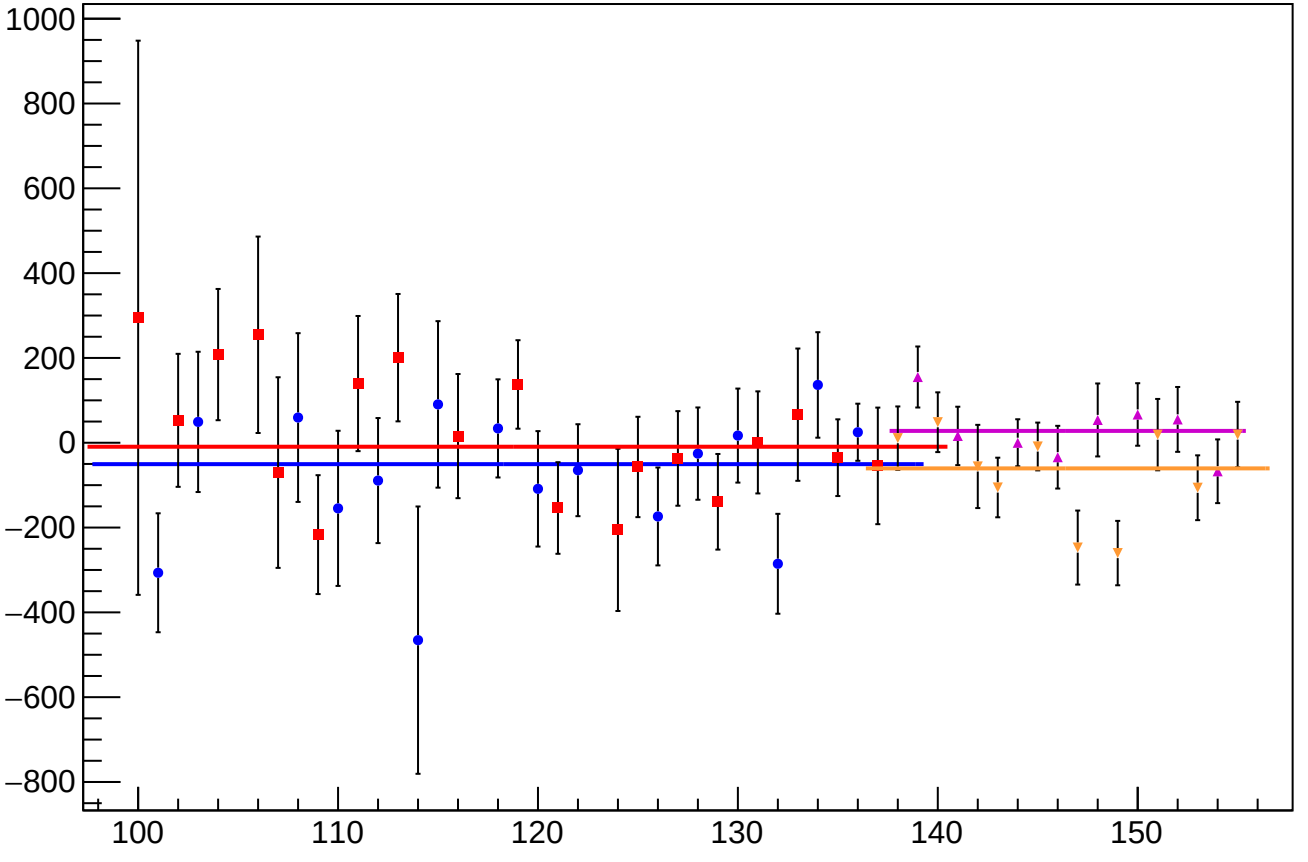
Left In: 377.045+/-0.103 χ^2/NDF:444298.5/7

+ sign 436.104+/-0.087 χ^2/NDF: 4650918.2/25

All: 443.983+/-0.063 χ^2/NDF: 9221989.7/52

- sign 452.906+/-0.092 χ^2/NDF: 4553399.8/26

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -60.469+/-23.659 χ^2/NDF:18.4/9

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

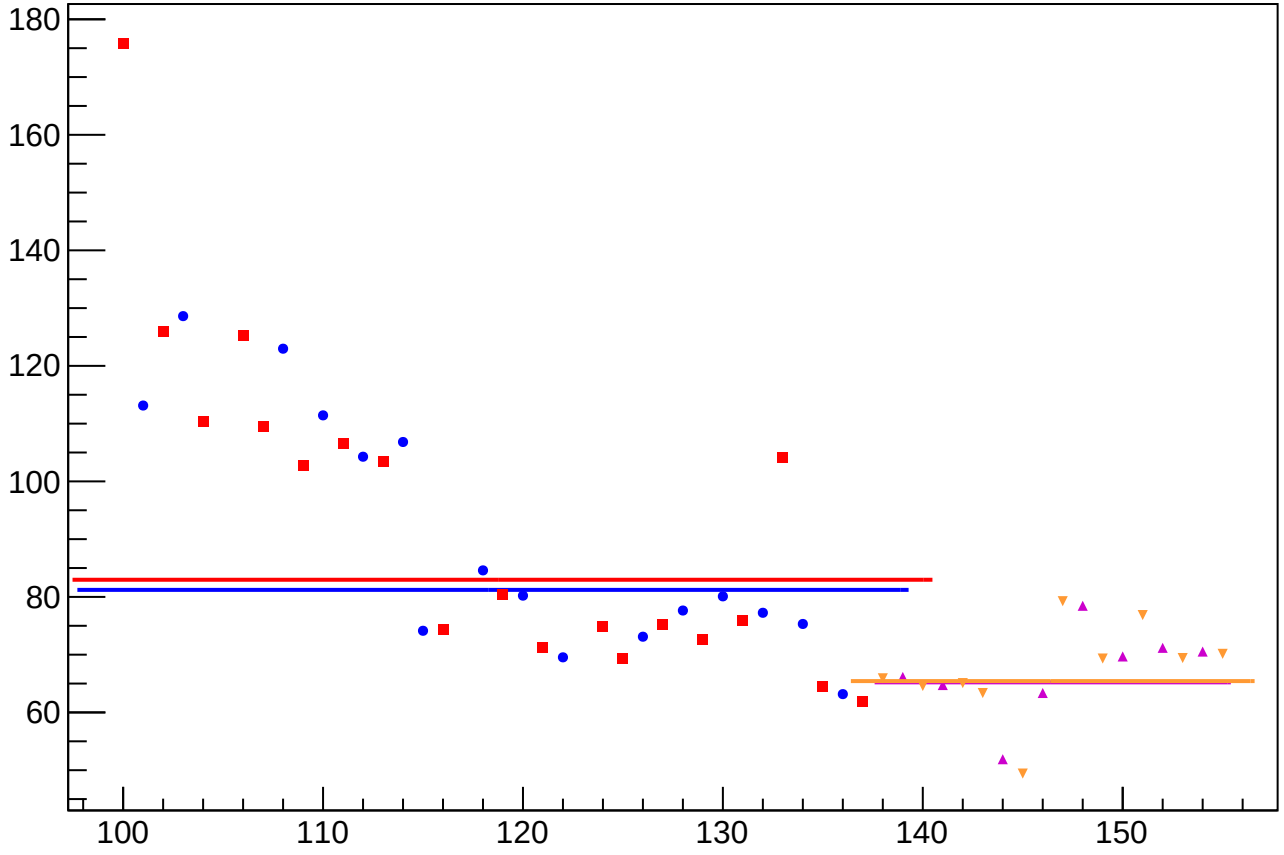
Left In: 27.944+/-25.162 χ^2/NDF:6.2/7

+ sign -56.796+/-18.821 χ^2/NDF: 34.9/25

All: -23.181+/-13.574 χ^2/NDF: 64.1/52

- sign 13.255+/-19.595 χ^2/NDF: 22.6/26

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.426+/-0.017 χ^2/NDF:268856.2/9

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

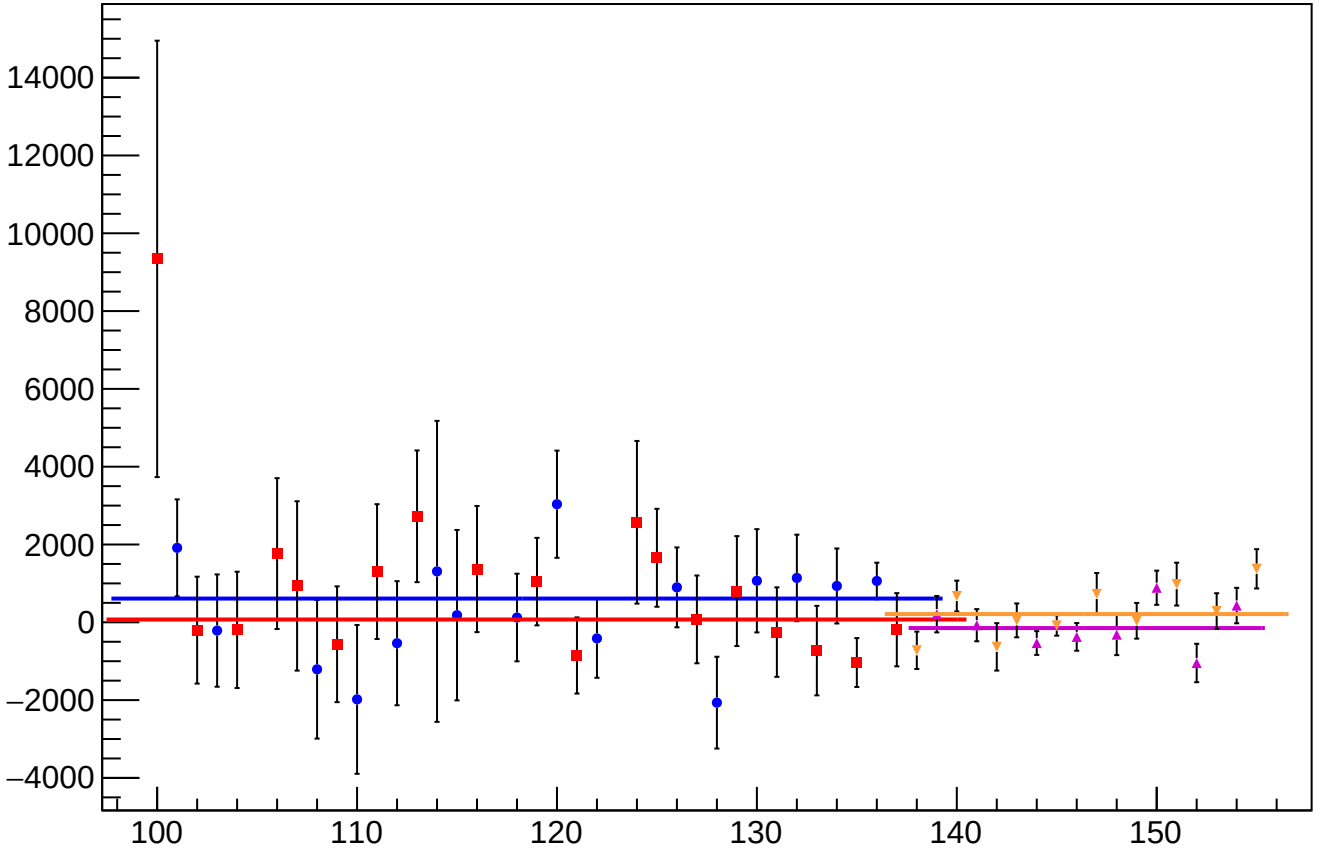
Left In: 65.208+/-0.018 χ^2/NDF:194107.5/7

+ sign 71.224+/-0.013 χ^2/NDF: 1258873.6/25

All: 71.691+/-0.010 χ^2/NDF: 2578193.1/52

- sign 72.198+/-0.014 χ^2/NDF: 1316746.4/26

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 211.393+/-136.816 χ^2/NDF:16.8/9

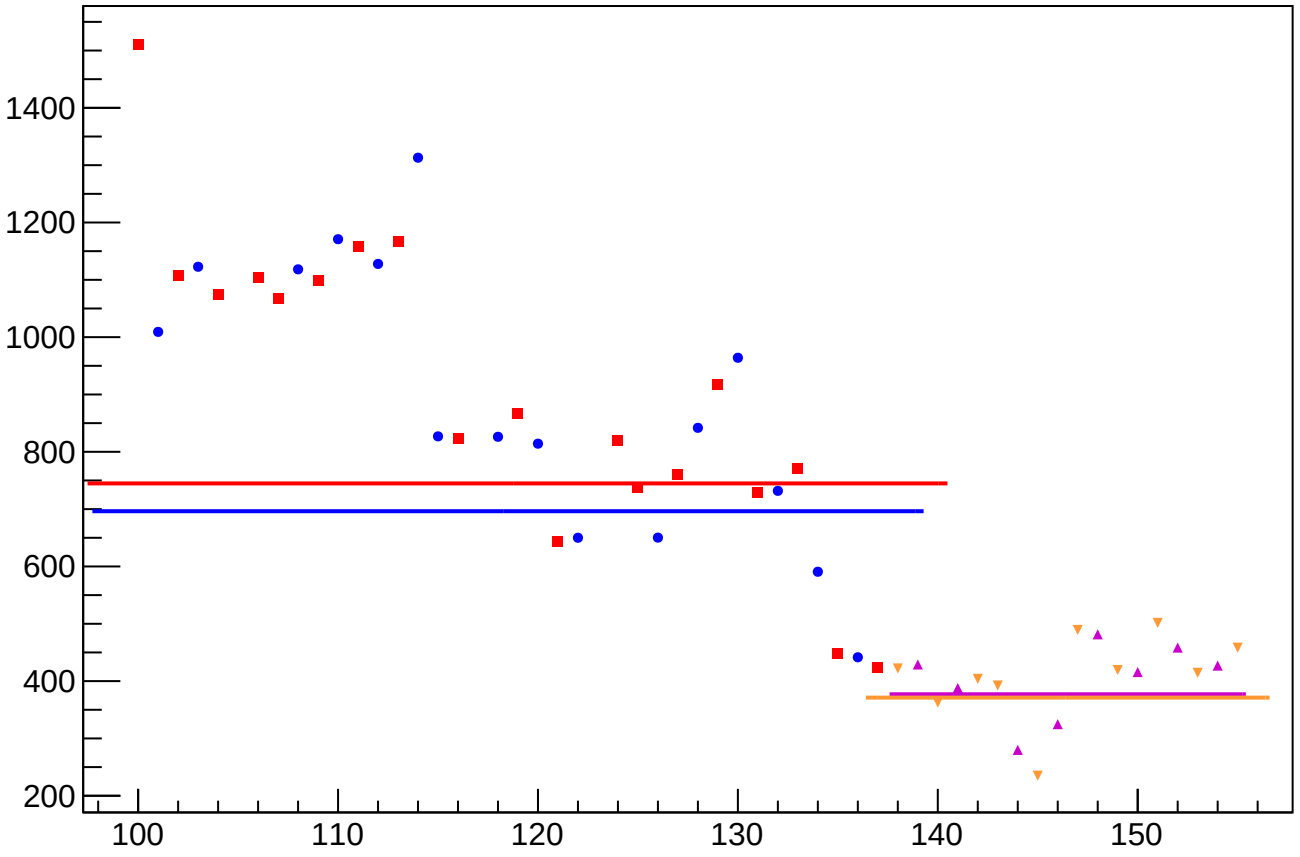
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -148.011+/-146.206 χ^2/NDF:13.2/7

+ sign 291.028+/-122.403 χ^2/NDF: 34.3/25

All: 106.455+/-89.200 χ^2/NDF: 69.0/52

- sign -102.572+/-130.260 χ^2/NDF: 29.8/26



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 371.203+/-0.097 χ^2/NDF:880637.3/9

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

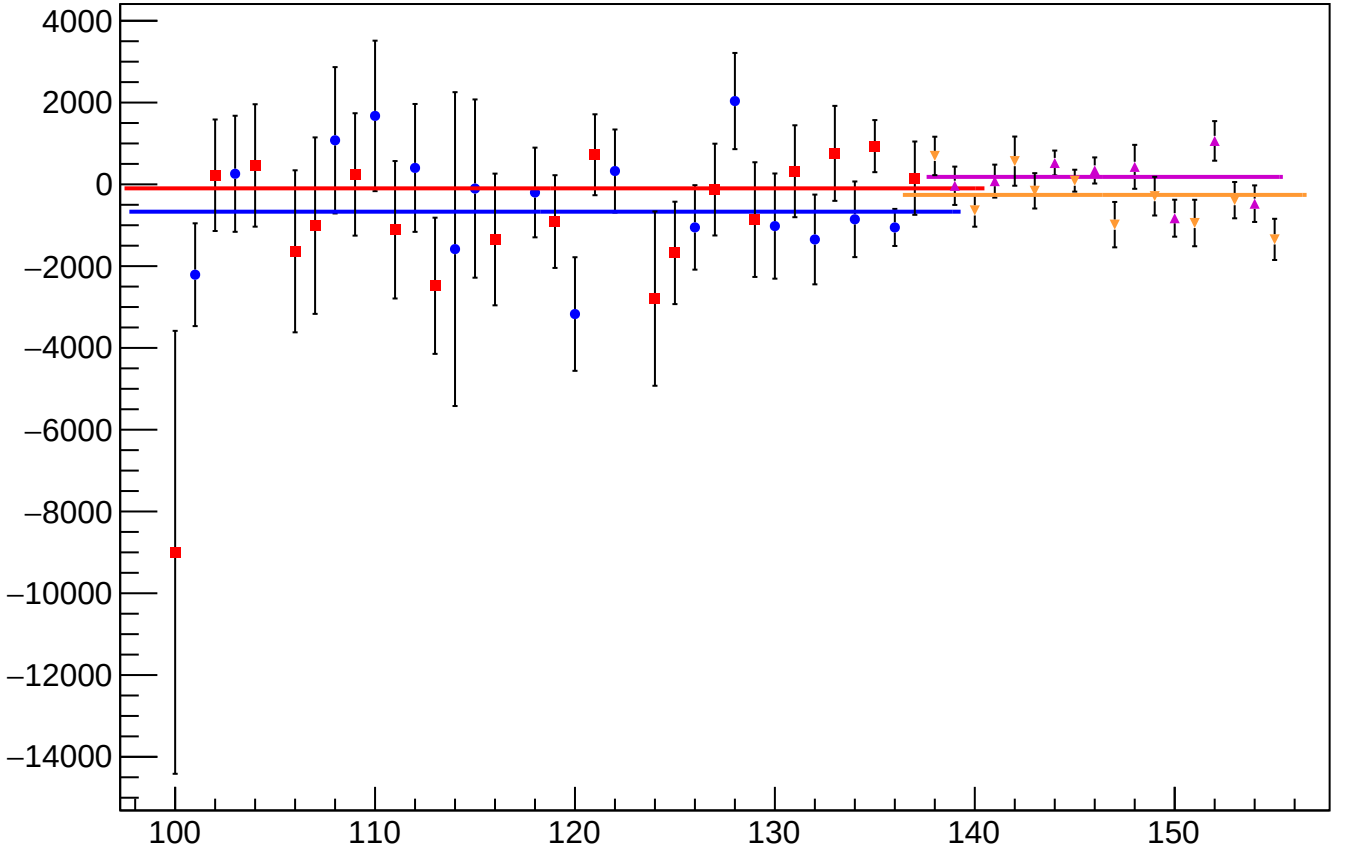
Left In: 377.046+/-0.103 χ^2/NDF:444304.9/7

+ sign 436.104+/-0.087 χ^2/NDF: 4650917.3/25

All: 443.983+/-0.063 χ^2/NDF: 9221973.3/52

- sign 452.906+/-0.092 χ^2/NDF: 4553383.7/26

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -258.022+/-137.720 χ^2/NDF:16.6/9

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

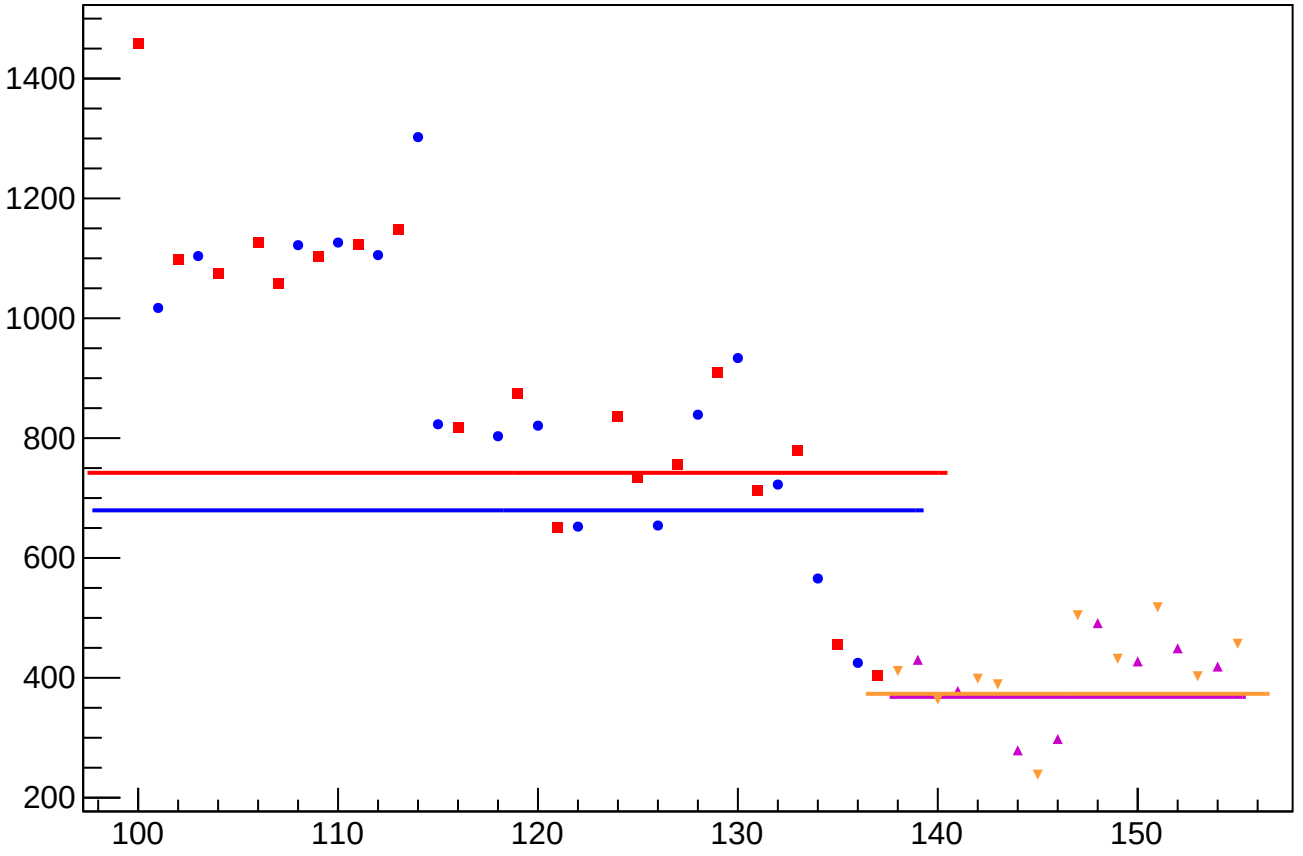
Left In: 182.313+/-142.876 χ^2/NDF:12.4/7

+ sign -343.546+/-122.536 χ^2/NDF: 34.6/25

All: -118.509+/-88.450 χ^2/NDF: 69.6/52

- sign 126.291+/-127.803 χ^2/NDF: 28.0/26

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 373.341+/-0.097 χ^2/NDF:862433.2/9

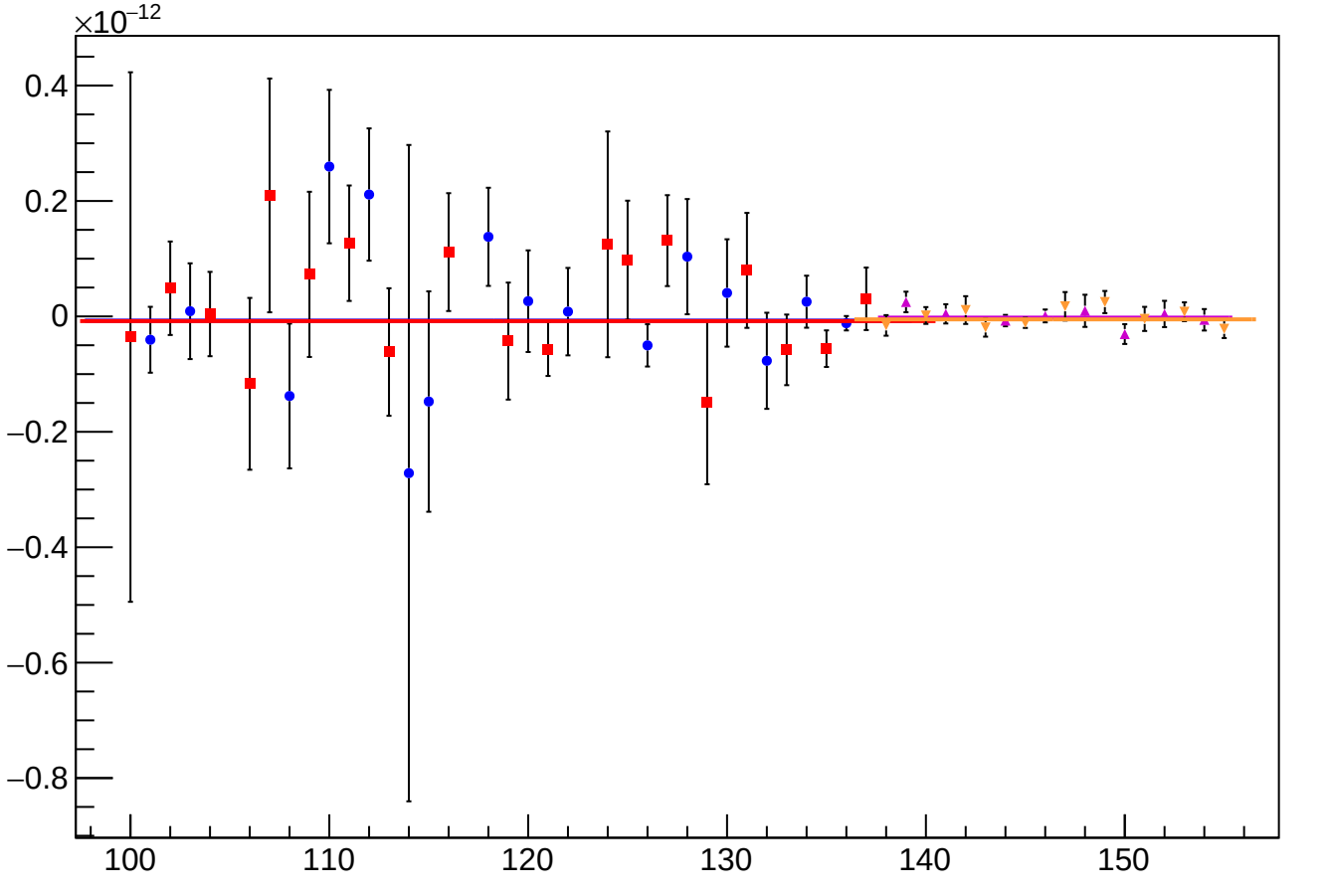
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 368.243+/-0.101 χ^2/NDF:526564.5/7

+ sign 437.123+/-0.087 χ^2/NDF: 4522243.6/25

All: 439.917+/-0.063 χ^2/NDF: 9291854.4/52

- sign 442.956+/-0.090 χ^2/NDF: 4767440.3/26



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

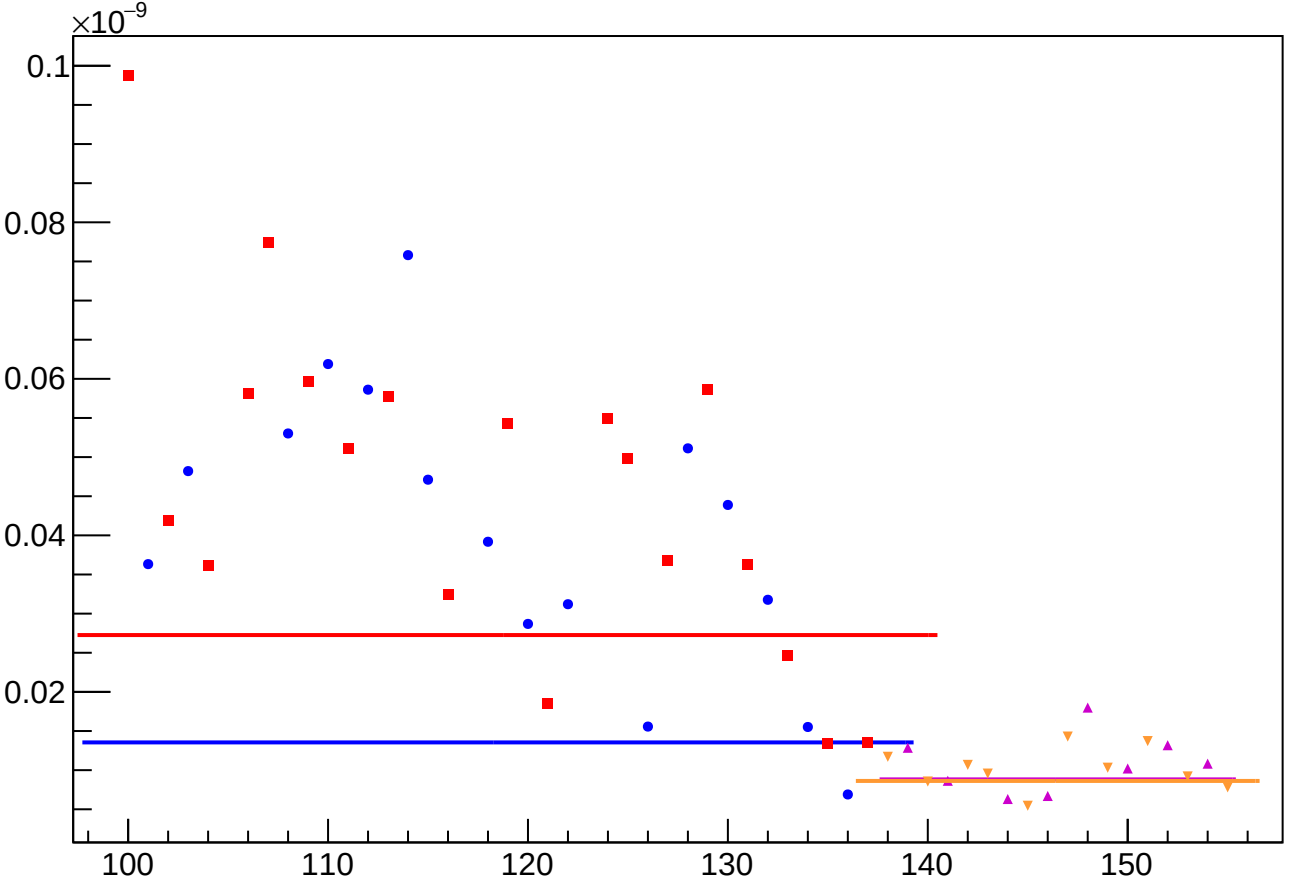
Left In: -0.000+/-0.000 χ^2/NDF:5.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/25

All: -0.000+/-0.000 χ^2/NDF: 47.6/52

- sign -0.000+/-0.000 χ^2/NDF: 23.0/26

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:589196.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

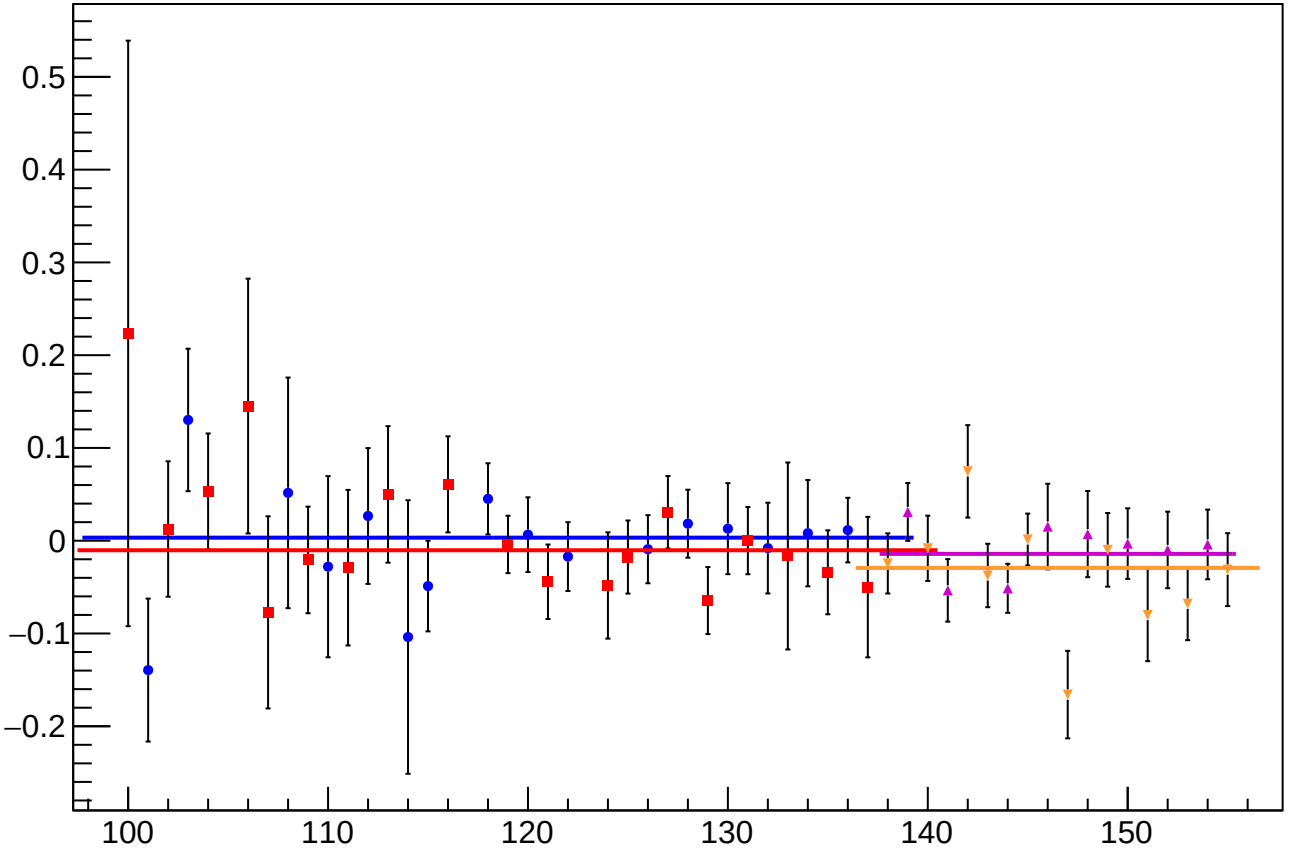
Left In: 0.000+/-0.000 χ^2/NDF:631408.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 3996324.6/25

All: 0.000+/-0.000 χ^2/NDF: 8468420.3/52

- sign 0.000+/-0.000 χ^2/NDF: 4435902.3/26

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: -0.029+/-0.012 χ^2/NDF:16.6/9

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

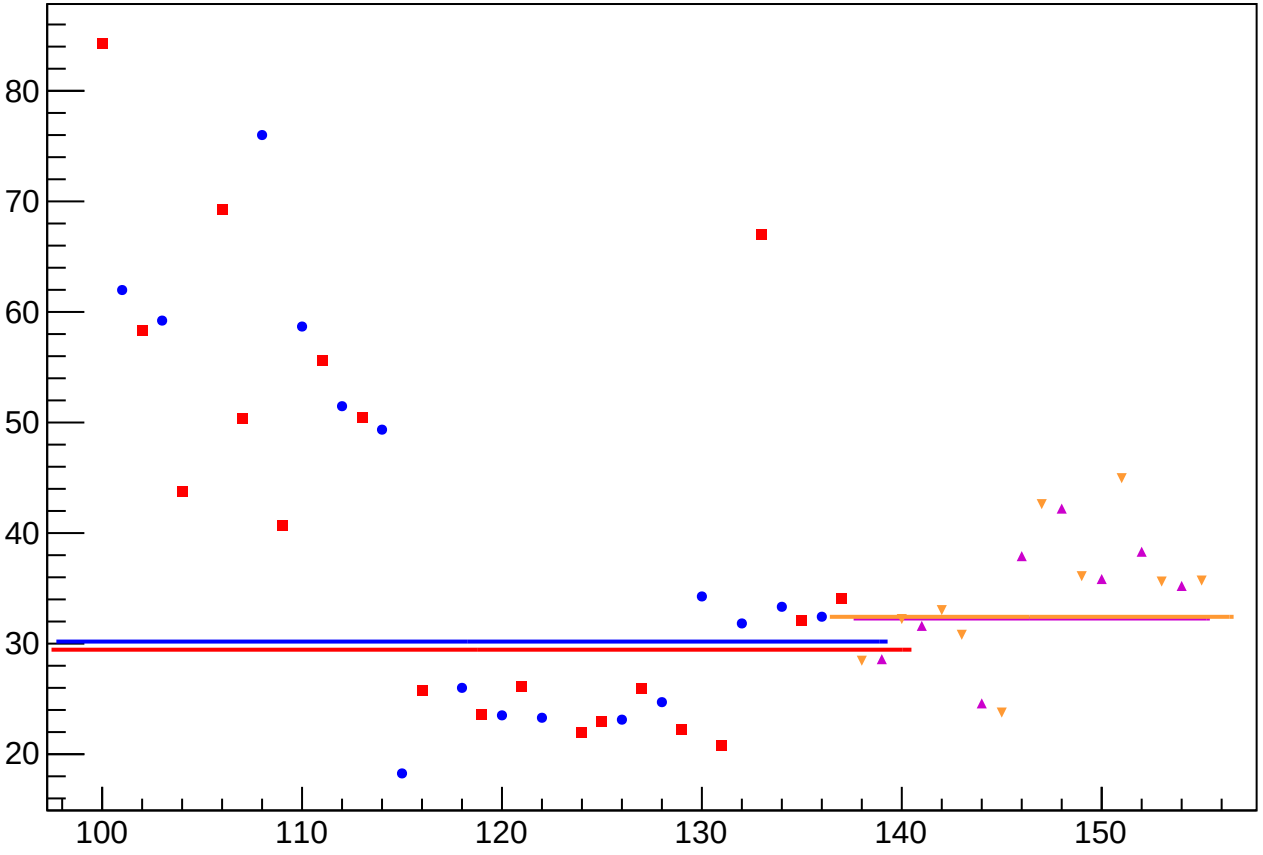
Left In: -0.014+/-0.013 χ^2/NDF:6.2/7

+ sign -0.014+/-0.009 χ^2/NDF: 30.4/25

All: -0.013+/-0.006 χ^2/NDF: 47.9/52

- sign -0.012+/-0.009 χ^2/NDF: 17.5/26

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: 32.426+/-0.008 χ^2/NDF:491598.4/9

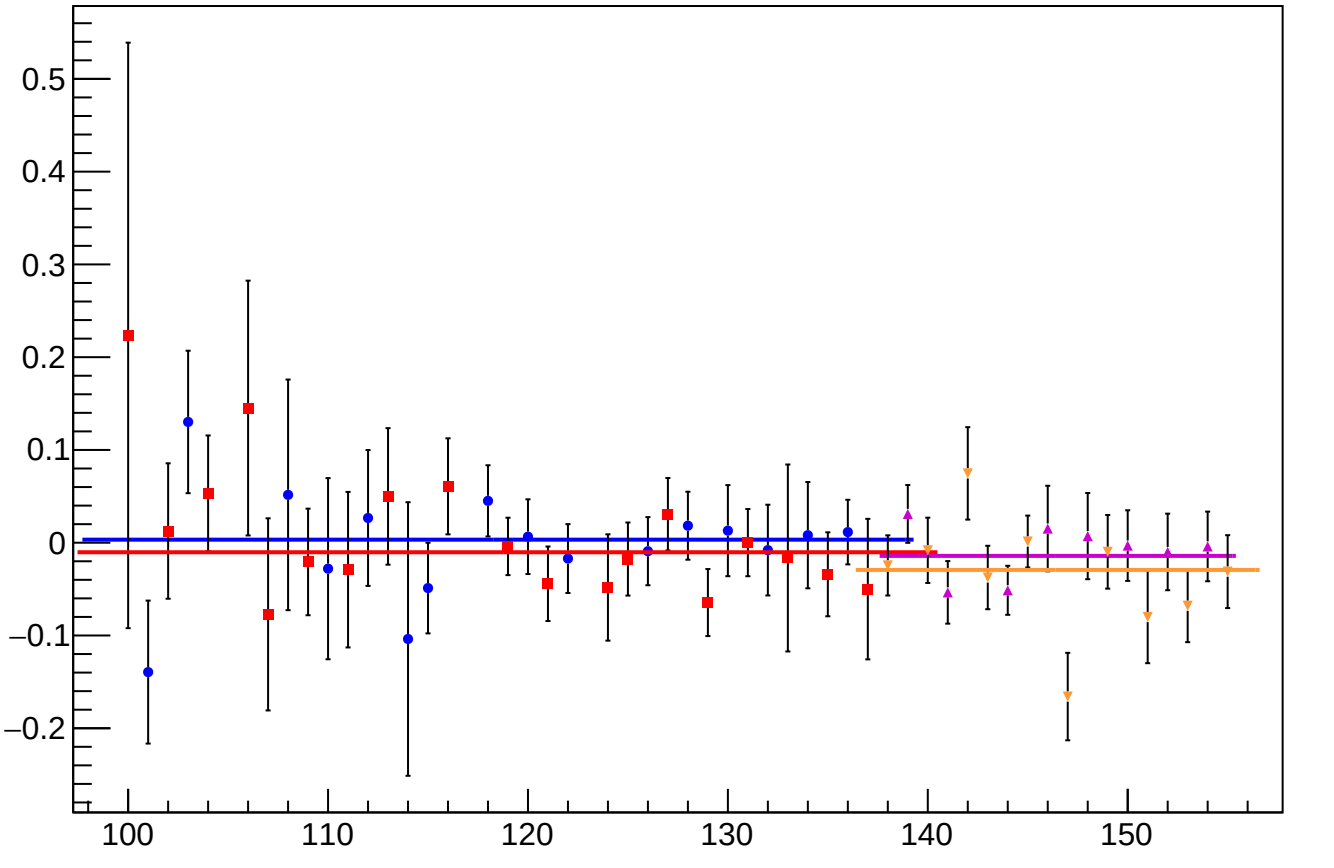
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 32.272+/-0.009 χ^2/NDF:391587.4/7

+ sign 31.343+/-0.006 χ^2/NDF: 2213311.8/25

All: 31.058+/-0.004 χ^2/NDF: 4511200.0/52

- sign 30.767+/-0.006 χ^2/NDF: 2293384.6/26



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.012 χ^2/NDF:16.6/9

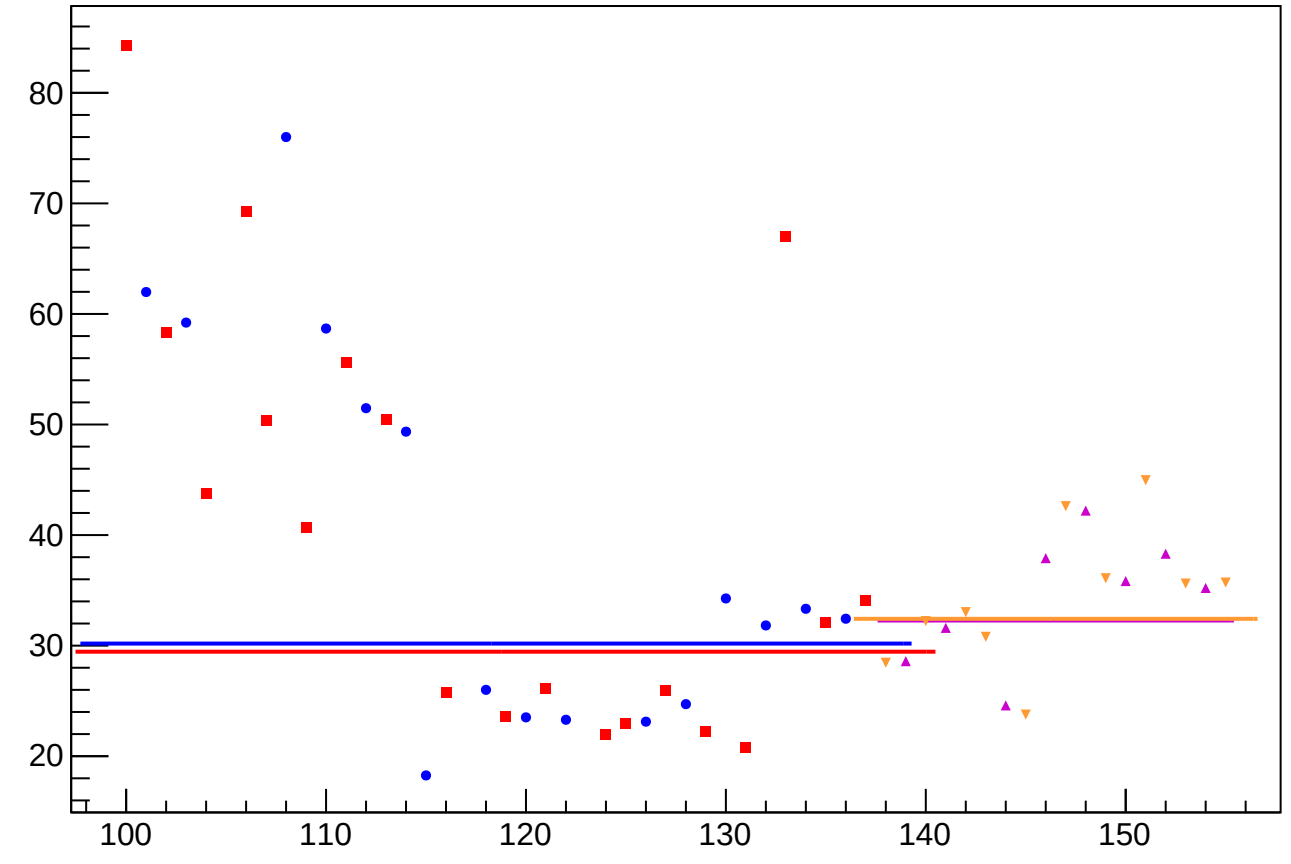
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.014+/-0.013 χ^2/NDF:6.2/7

+ sign -0.014+/-0.009 χ^2/NDF: 30.4/25

All: -0.013+/-0.006 χ^2/NDF: 47.9/52

- sign -0.012+/-0.009 χ^2/NDF: 17.5/26



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.426+/-0.008 χ^2/NDF:491598.4/9

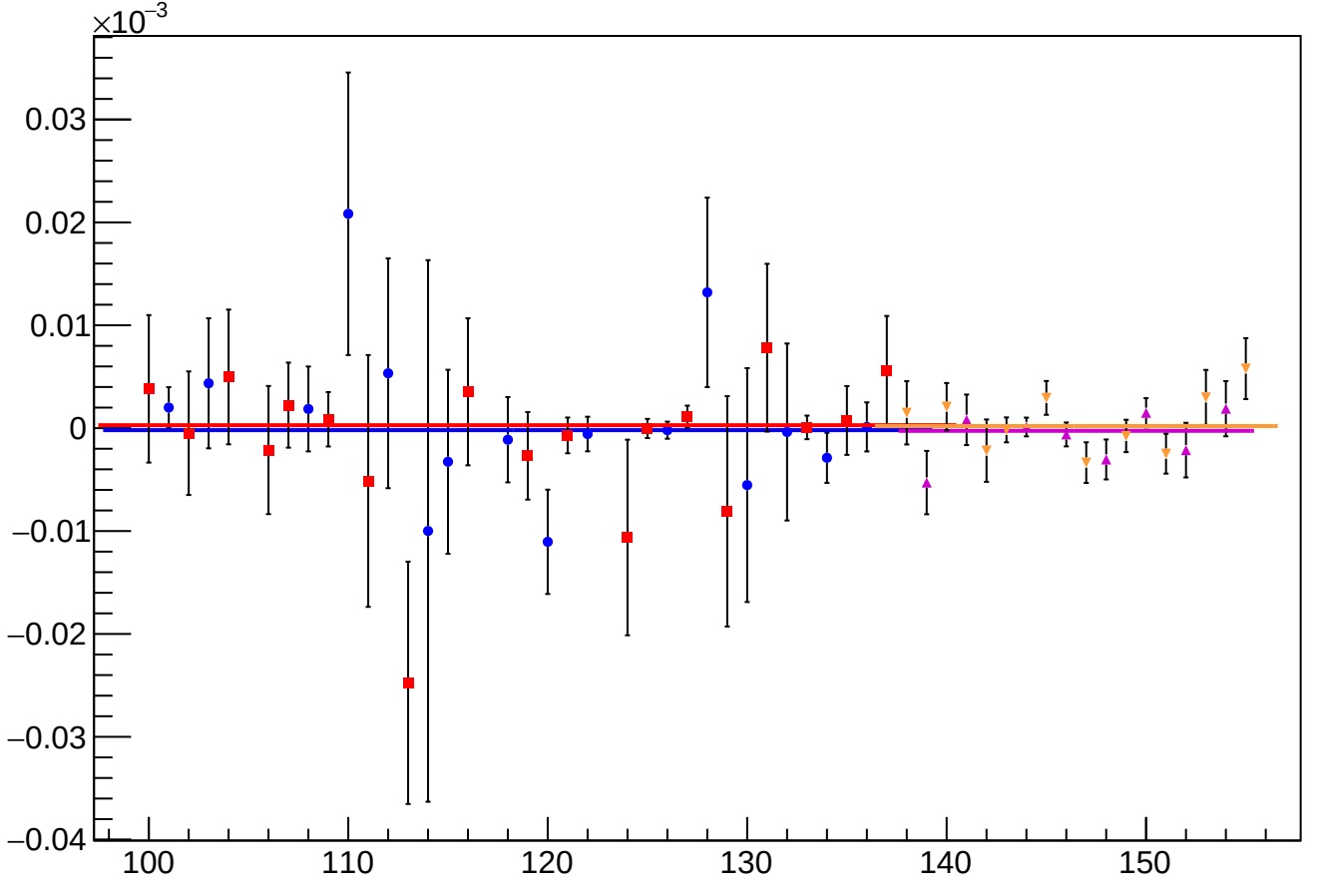
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 32.272+/-0.009 χ^2/NDF:391587.4/7

+ sign 31.343+/-0.006 χ^2/NDF: 2213311.8/25

All: 31.058+/-0.004 χ^2/NDF: 4511200.0/52

- sign 30.767+/-0.006 χ^2/NDF: 2293384.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/9

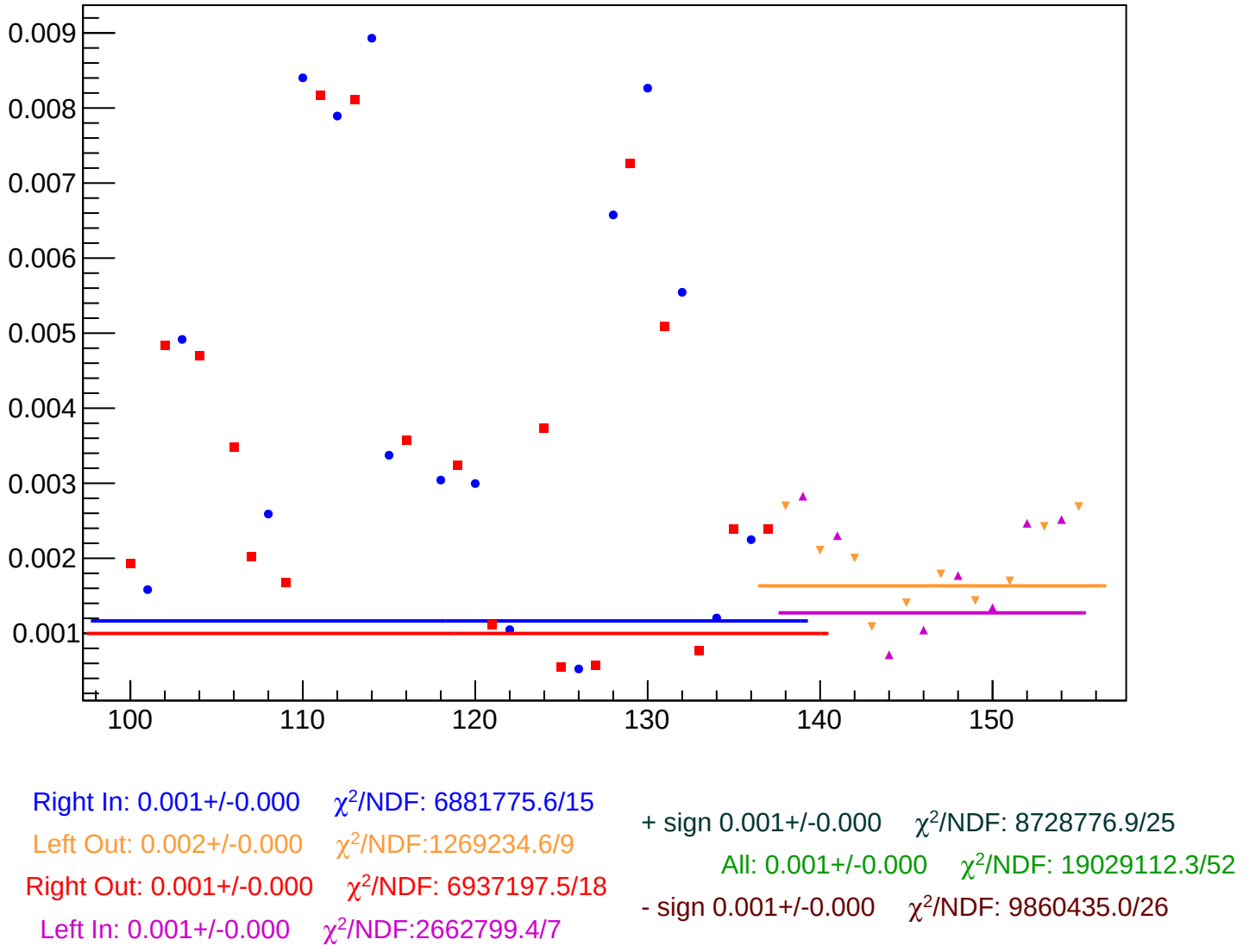
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

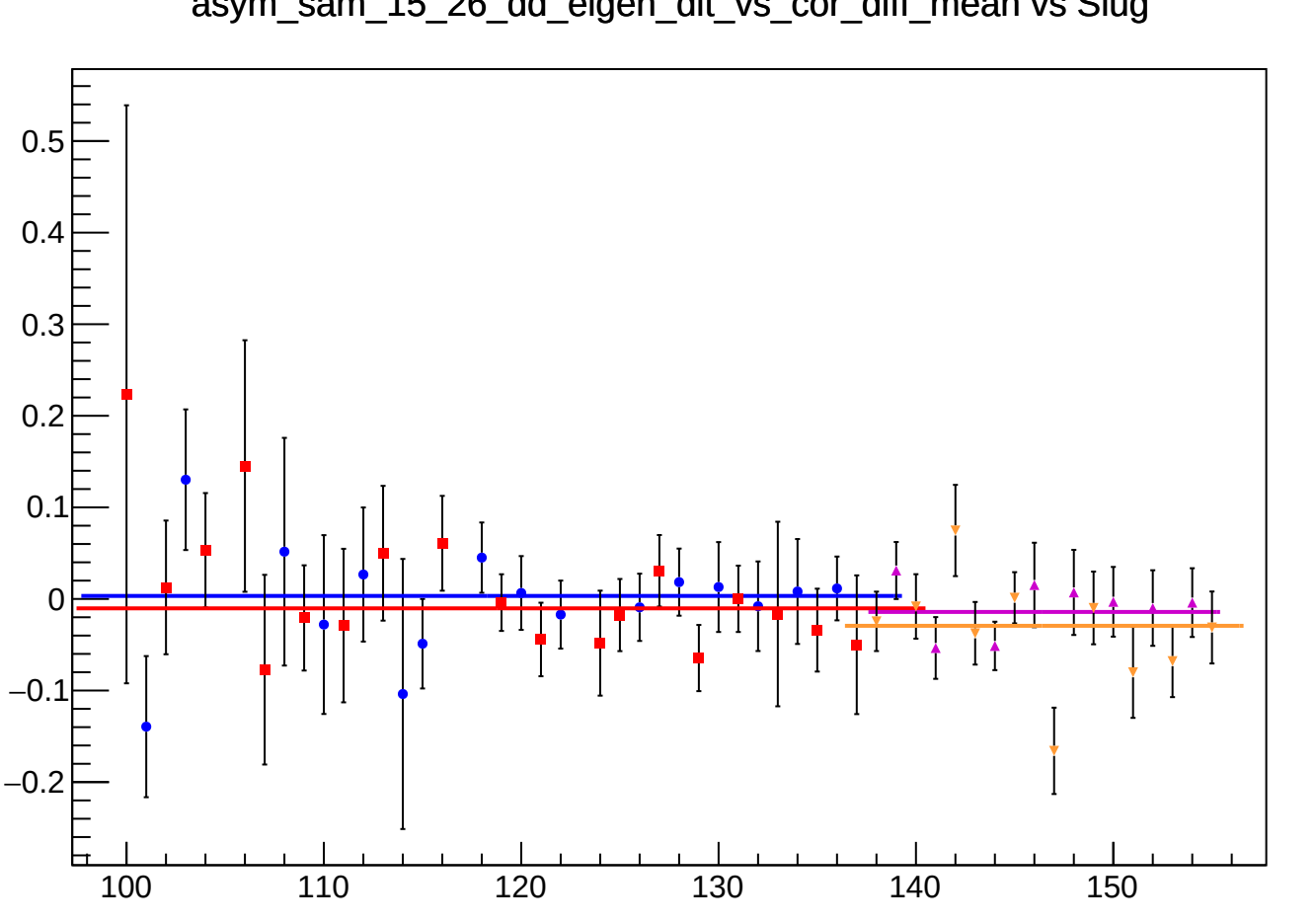
Left In: -0.000+/-0.000 χ^2/NDF:7.8/7

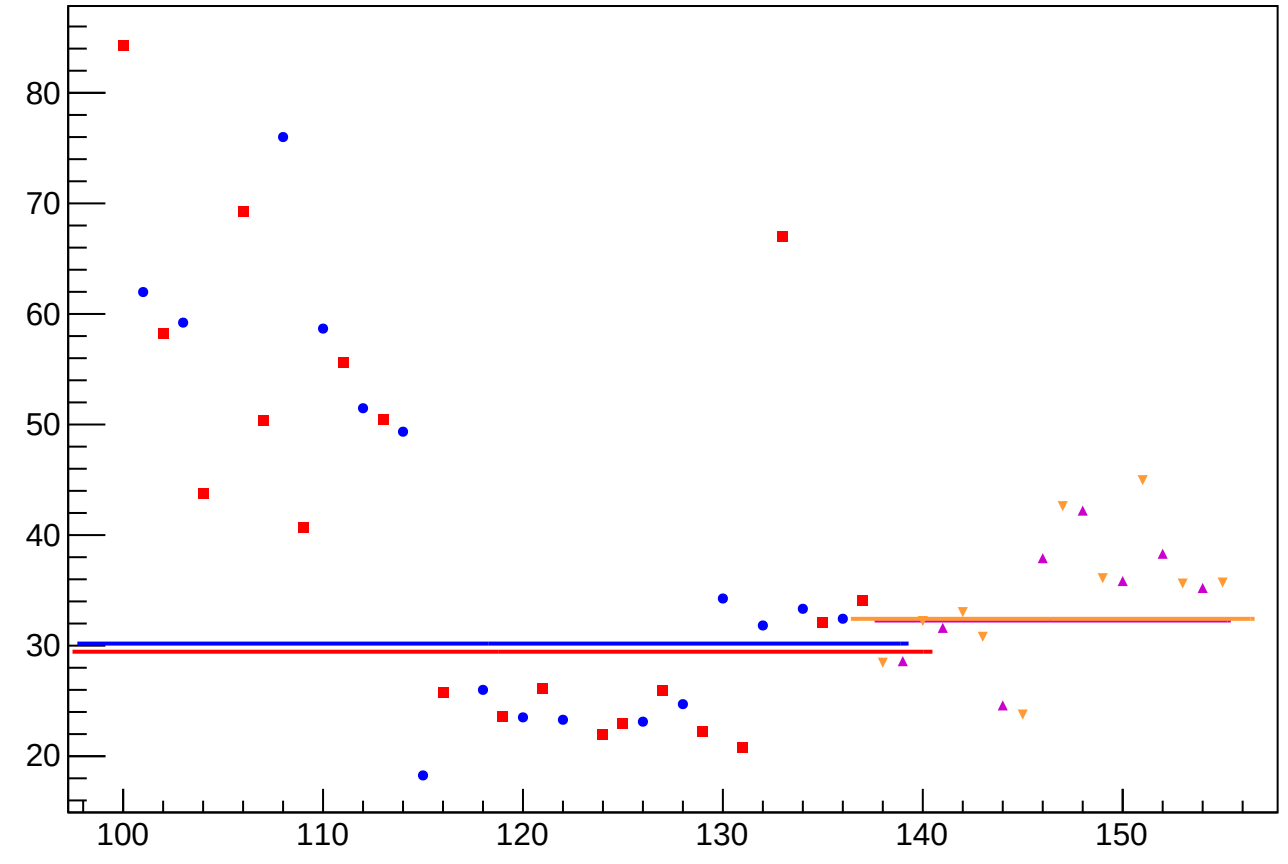
+ sign 0.000+/-0.000 χ^2/NDF: 27.8/25

All: 0.000+/-0.000 χ^2/NDF: 47.6/52

- sign 0.000+/-0.000 χ^2/NDF: 19.8/26


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
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1269234.6/9
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.001+/-0.000 χ²/NDF:2662799.4/7
+ sign 0.001+/-0.000 χ²/NDF: 8728776.9/25
All: 0.001+/-0.000 χ²/NDF: 19029112.3/52
- sign 0.001+/-0.000 χ²/NDF: 9860435.0/26


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.029+/-0.012 χ²/NDF:16.6/9
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.014+/-0.013 χ²/NDF:6.2/7
+ sign -0.014+/-0.009 χ²/NDF: 30.4/25
All: -0.013+/-0.006 χ²/NDF: 47.9/52
- sign -0.012+/-0.009 χ²/NDF: 17.5/26



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.426+/-0.008 χ^2/NDF:491562.9/9

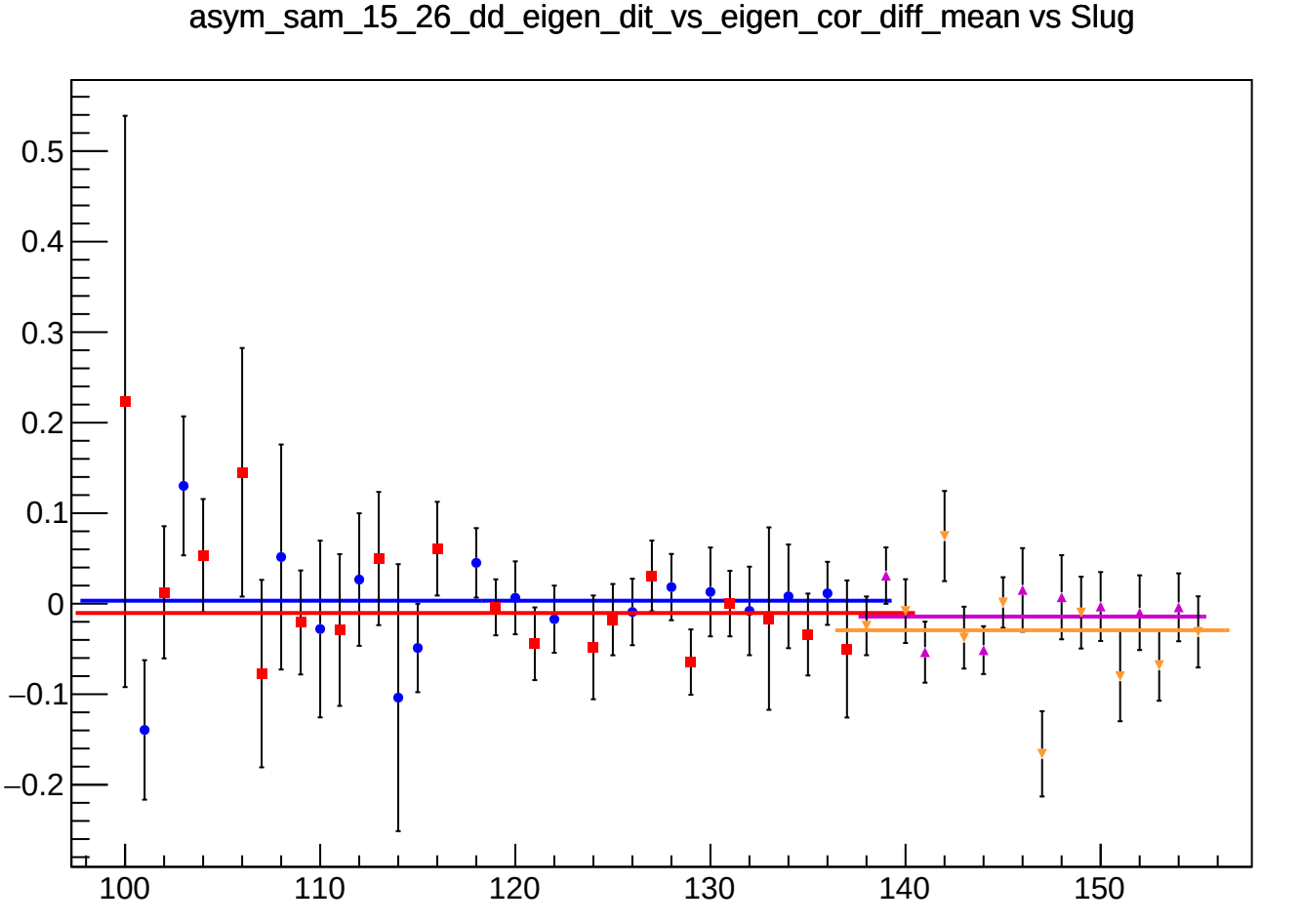
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 32.272+/-0.009 χ^2/NDF:391575.2/7

+ sign 31.343+/-0.006 χ^2/NDF: 2213101.6/25

All: 31.058+/-0.004 χ^2/NDF: 4511015.6/52

- sign 30.767+/-0.006 χ^2/NDF: 2293404.5/26



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.012 χ^2/NDF:16.6/9

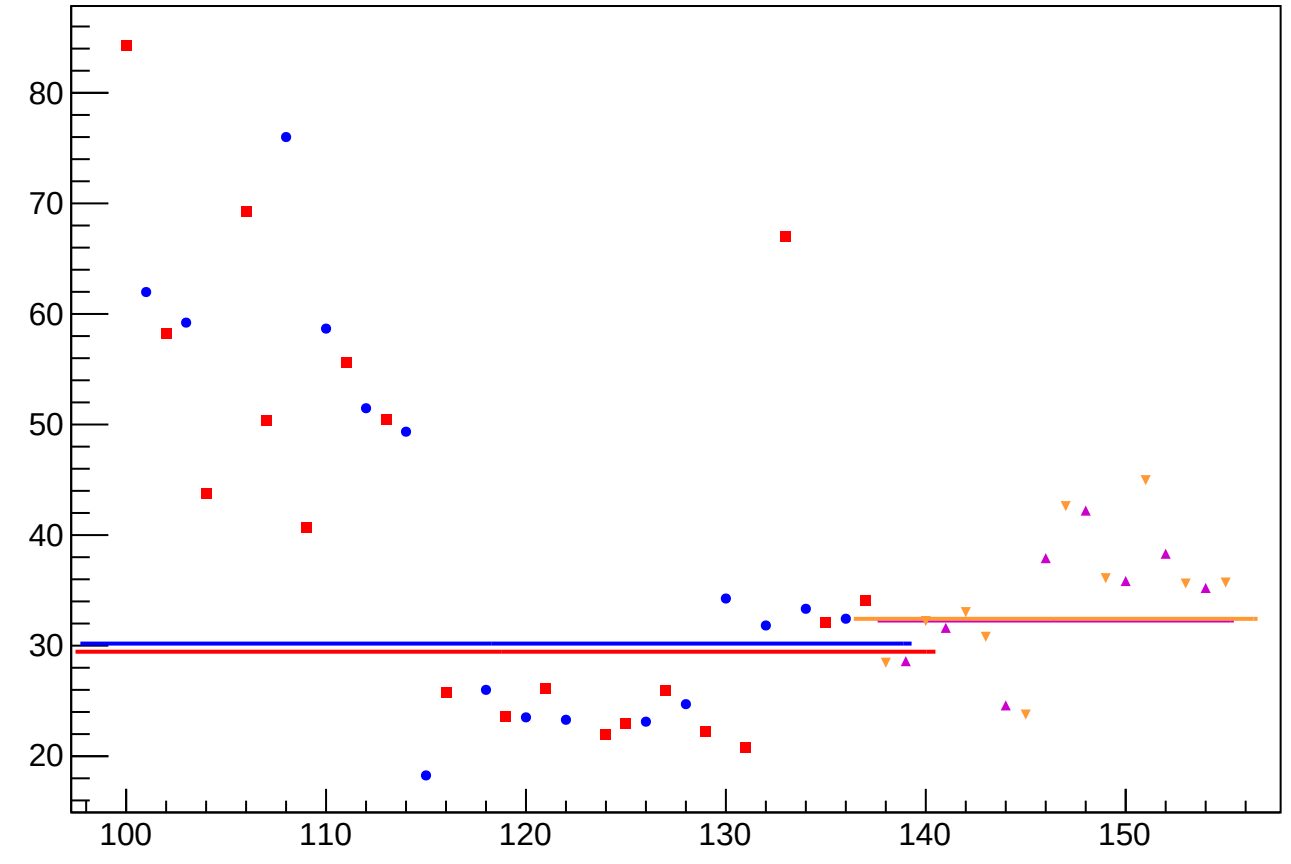
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.014+/-0.013 χ^2/NDF:6.2/7

+ sign -0.014+/-0.009 χ^2/NDF: 30.4/25

All: -0.013+/-0.006 χ^2/NDF: 47.9/52

- sign -0.012+/-0.009 χ^2/NDF: 17.5/26



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.426+/-0.008 χ^2/NDF:491562.9/9

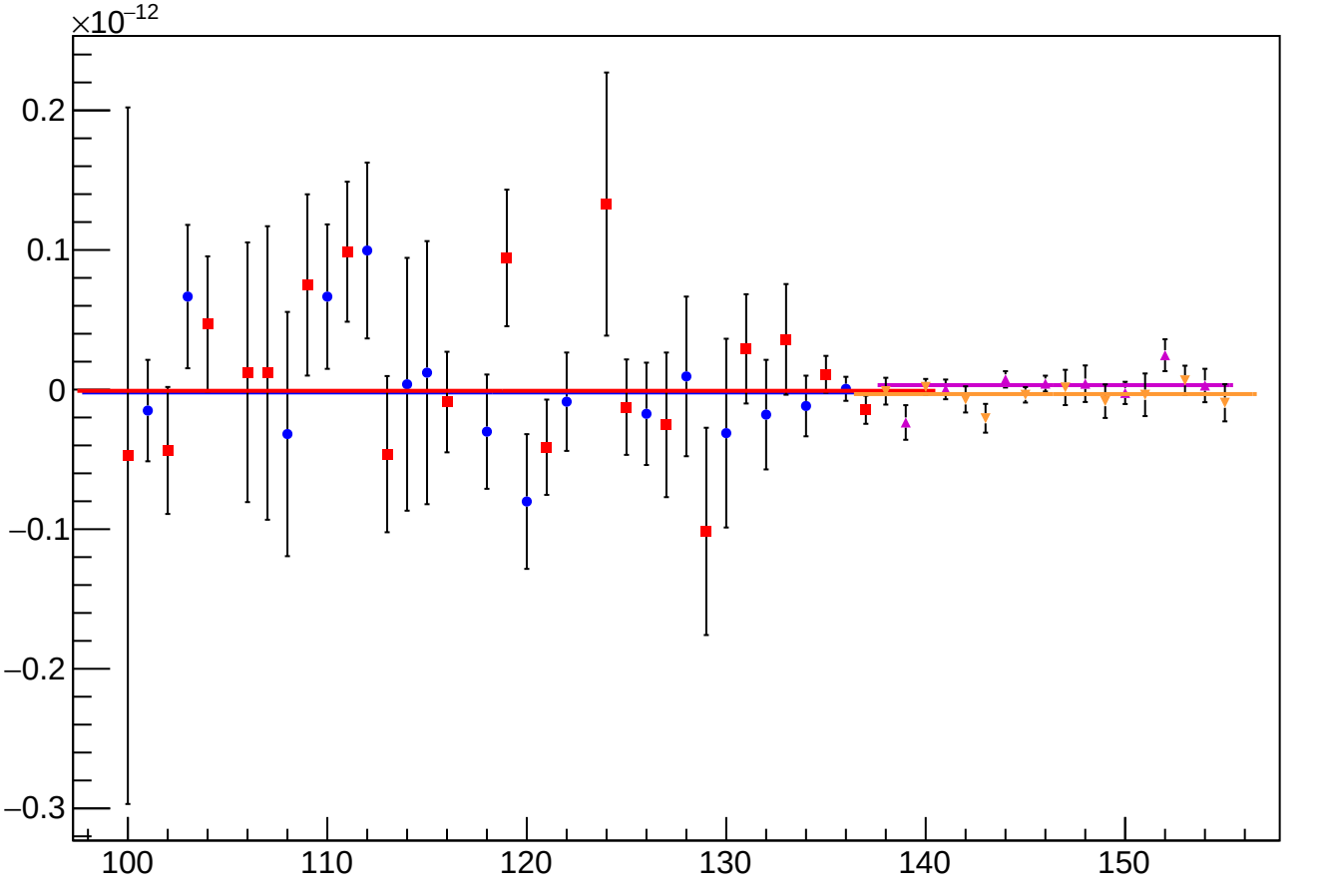
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 32.272+/-0.009 χ^2/NDF:391575.2/7

+ sign 31.343+/-0.006 χ^2/NDF: 2213101.6/25

All: 31.058+/-0.004 χ^2/NDF: 4511015.6/52

- sign 30.767+/-0.006 χ^2/NDF: 2293404.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/9

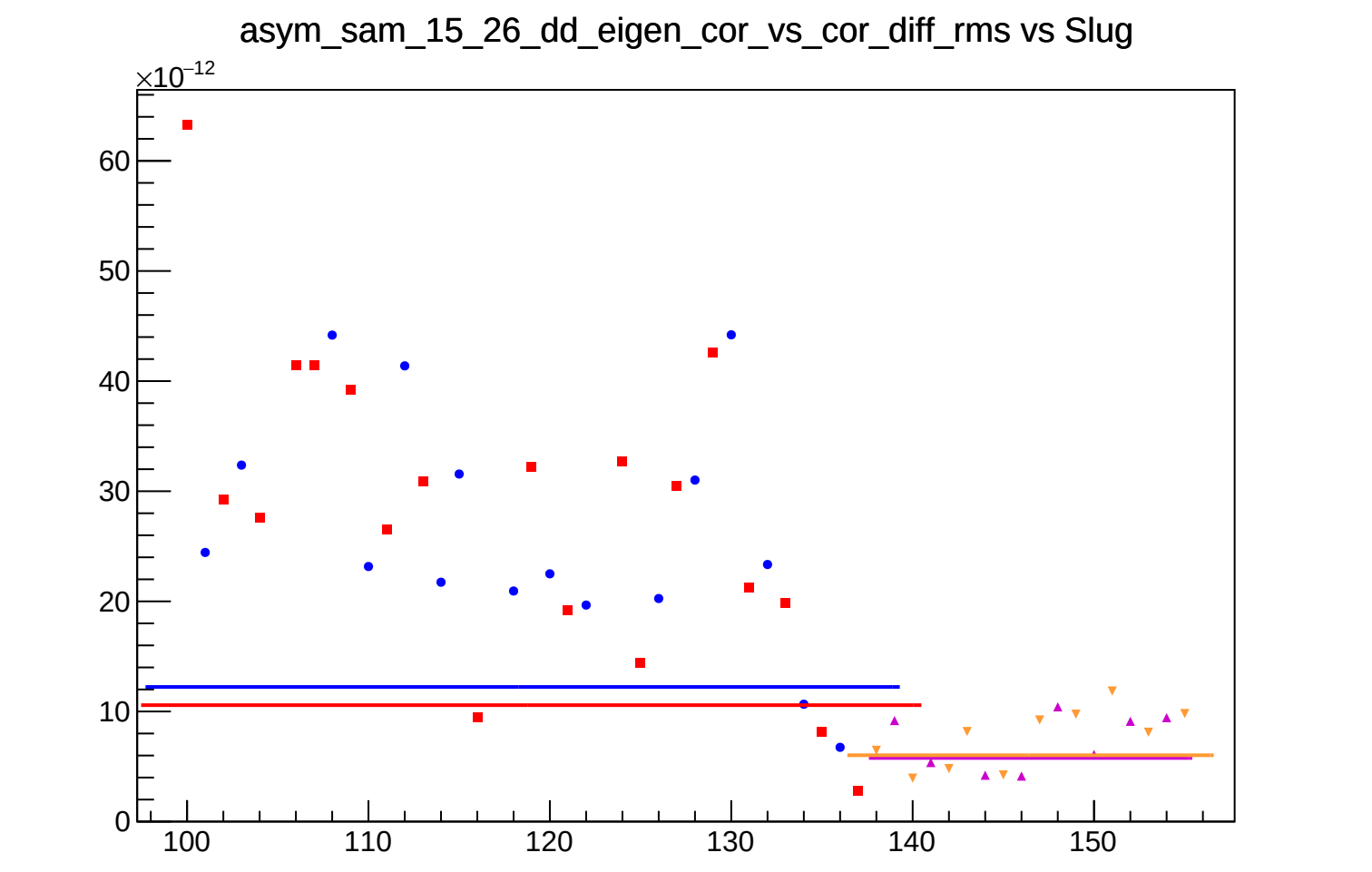
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/7

+ sign -0.000+/-0.000 χ^2/NDF: 15.7/25

All: -0.000+/-0.000 χ^2/NDF: 49.1/52

- sign 0.000+/-0.000 χ^2/NDF: 31.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1453324.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

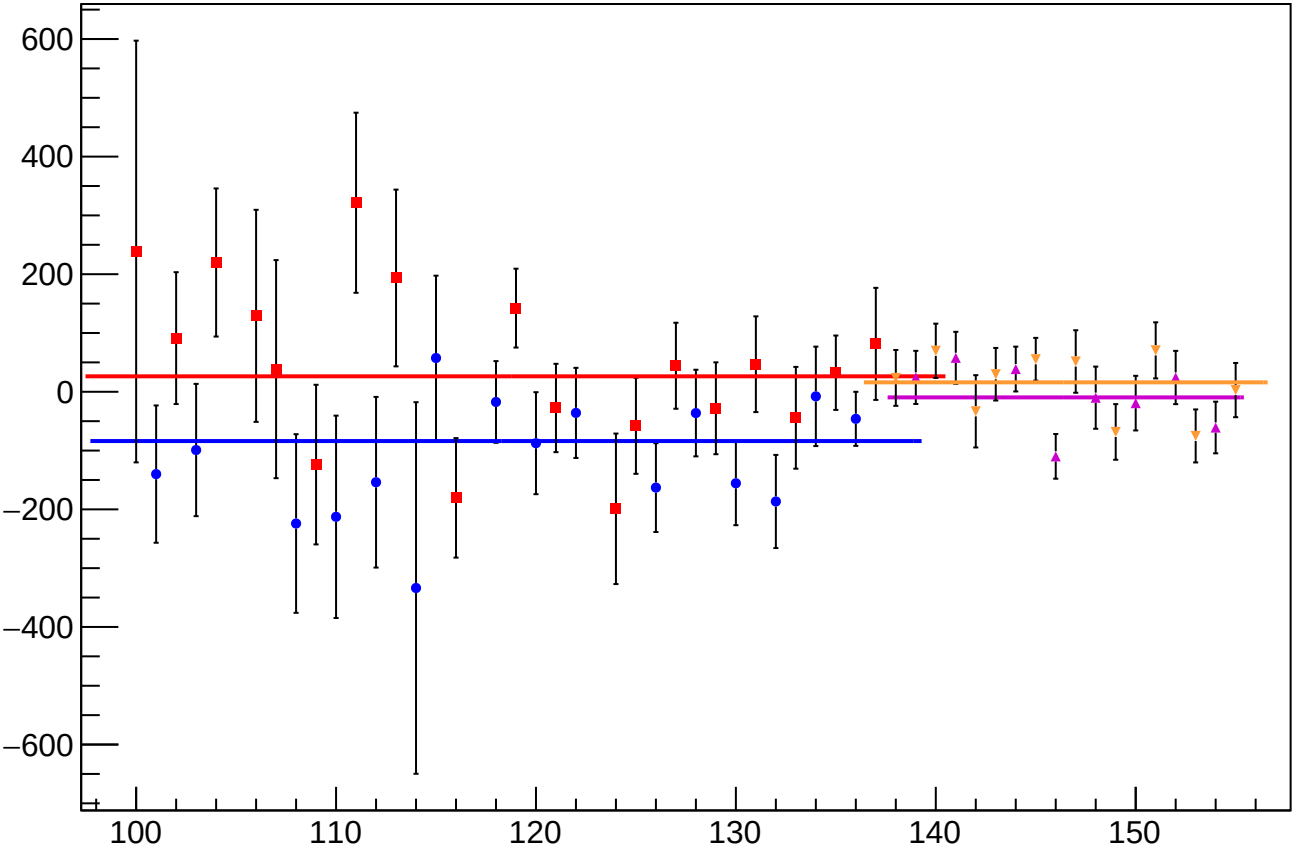
Left In: 0.000+/-0.000 χ^2/NDF:1081733.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 6306273.8/25

All: 0.000+/-0.000 χ^2/NDF: 13058471.1/52

- sign 0.000+/-0.000 χ^2/NDF: 6728340.1/26

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 16.043+/-14.684 χ^2/NDF:12.4/9

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

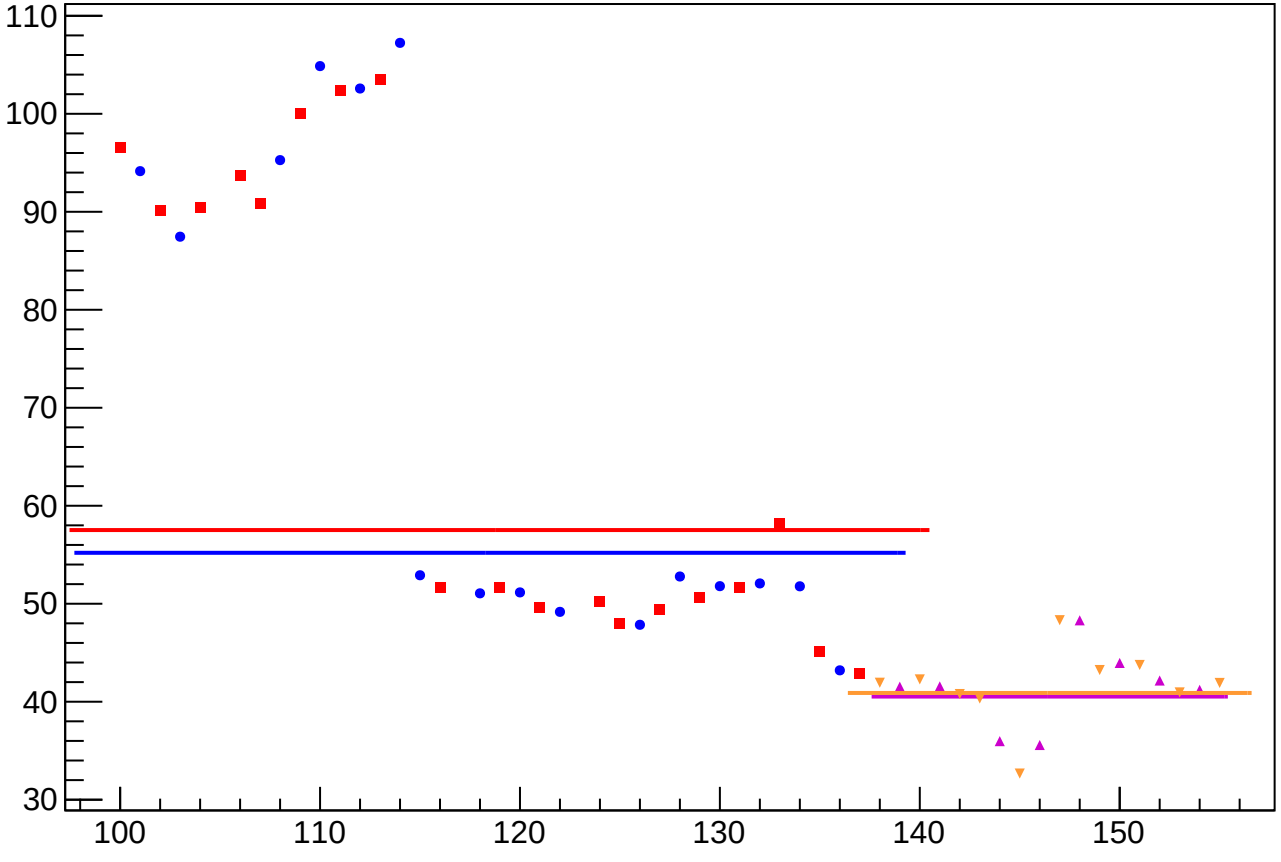
Left In: -9.535+/-15.413 χ^2/NDF:13.4/7

+ sign -15.851+/-12.114 χ^2/NDF: 37.7/25

All: -7.199+/-8.745 χ^2/NDF: 76.9/52

- sign 2.215+/-12.636 χ^2/NDF: 38.2/26

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.895+/-0.010 χ^2/NDF:157679.5/9

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

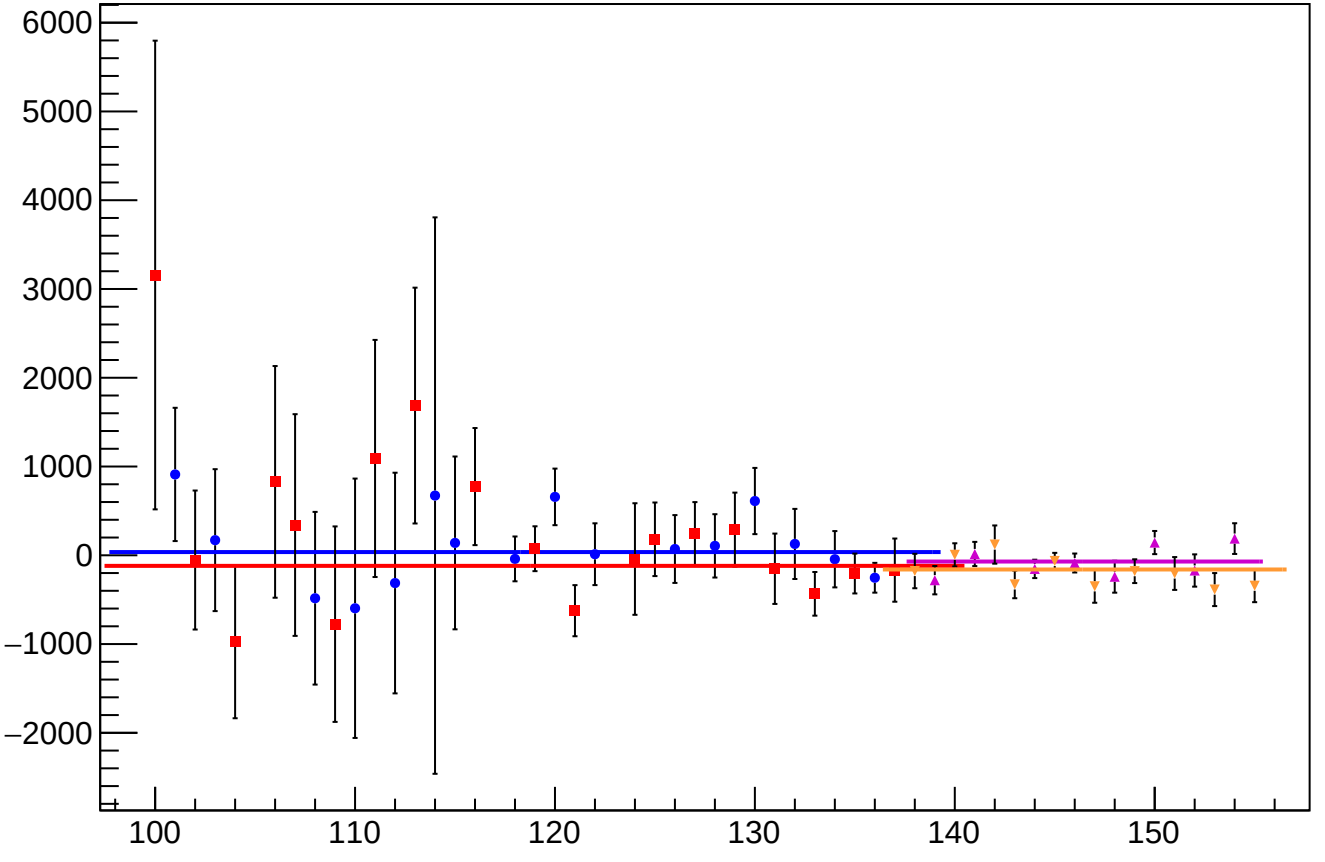
Left In: 40.527+/-0.011 χ^2/NDF:121799.4/7

+ sign 45.464+/-0.009 χ^2/NDF: 1916301.3/25

All: 45.768+/-0.006 χ^2/NDF: 4119579.7/52

- sign 46.098+/-0.009 χ^2/NDF: 2200649.2/26

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -159.968+/-47.675 χ^2/NDF:9.2/9

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

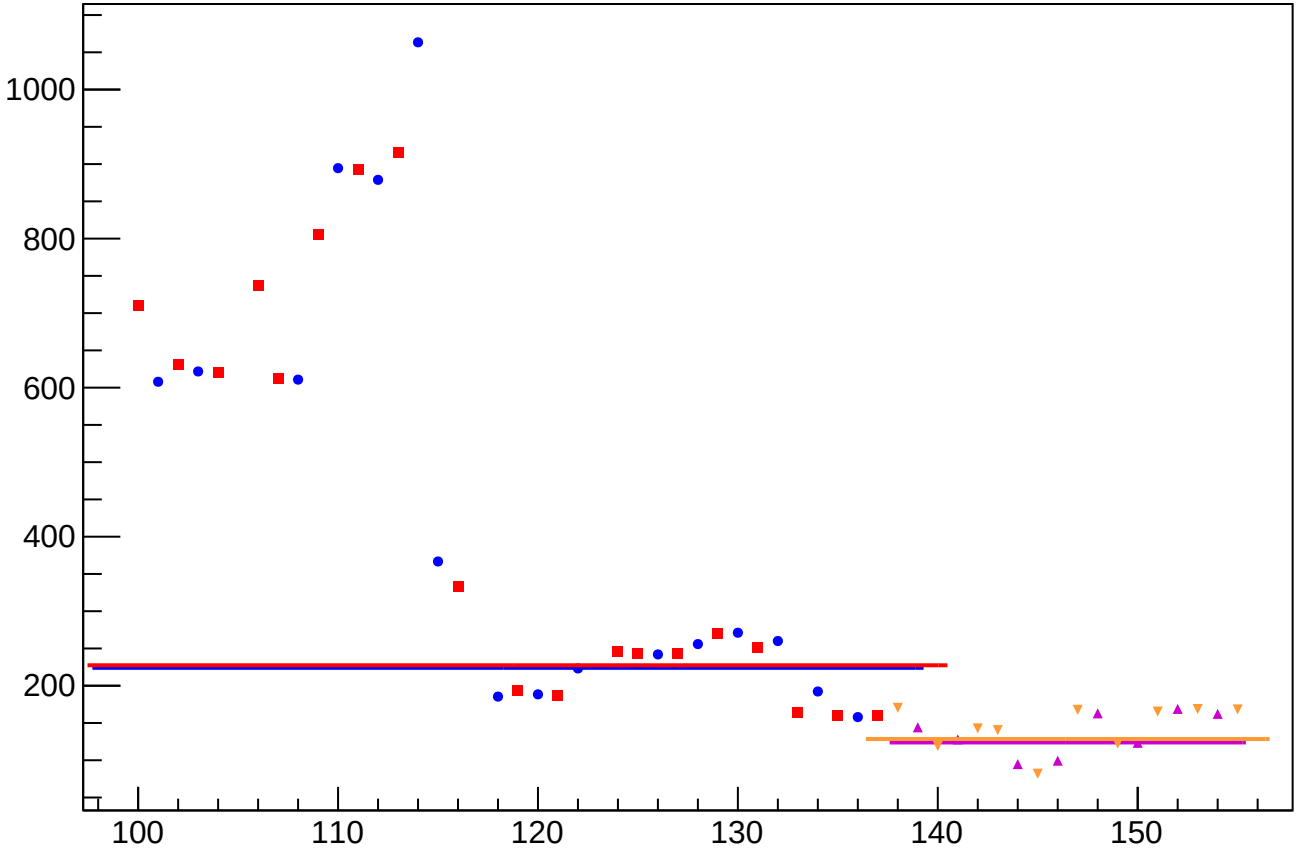
Left In: -70.347+/-48.379 χ^2/NDF:8.9/7

+ sign -119.507+/-42.478 χ^2/NDF: 24.1/25

All: -100.210+/-30.284 χ^2/NDF: 49.6/52

- sign -80.262+/-43.188 χ^2/NDF: 25.1/26

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 128.483+/-0.034 χ^2/NDF:1000301.5/9

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

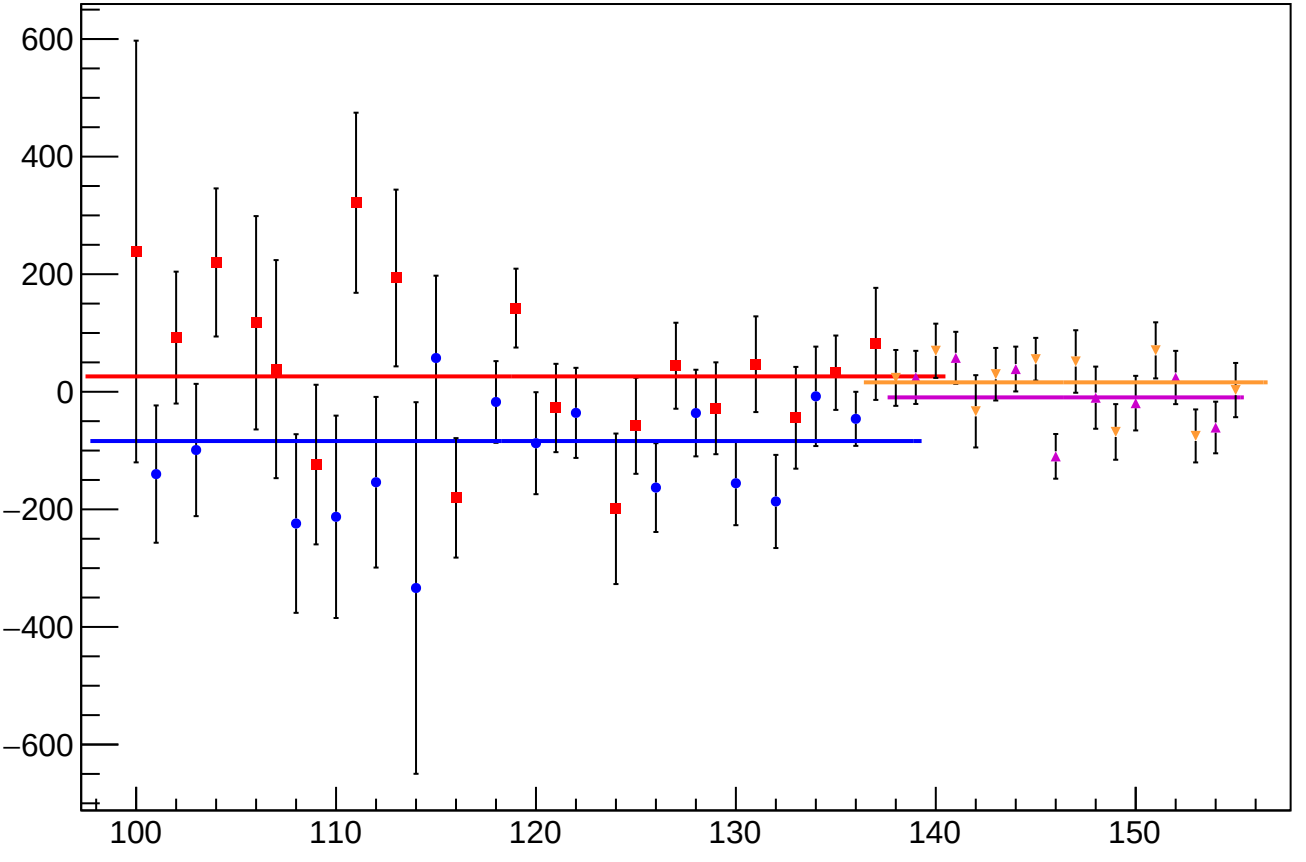
Left In: 123.875+/-0.034 χ^2/NDF:611899.5/7

+ sign 148.180+/-0.030 χ^2/NDF: 5624560.0/25

All: 146.572+/-0.021 χ^2/NDF: 11744668.9/52

- sign 144.910+/-0.031 χ^2/NDF: 6114282.1/26

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 16.043+/-14.684 χ^2/NDF:12.4/9

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

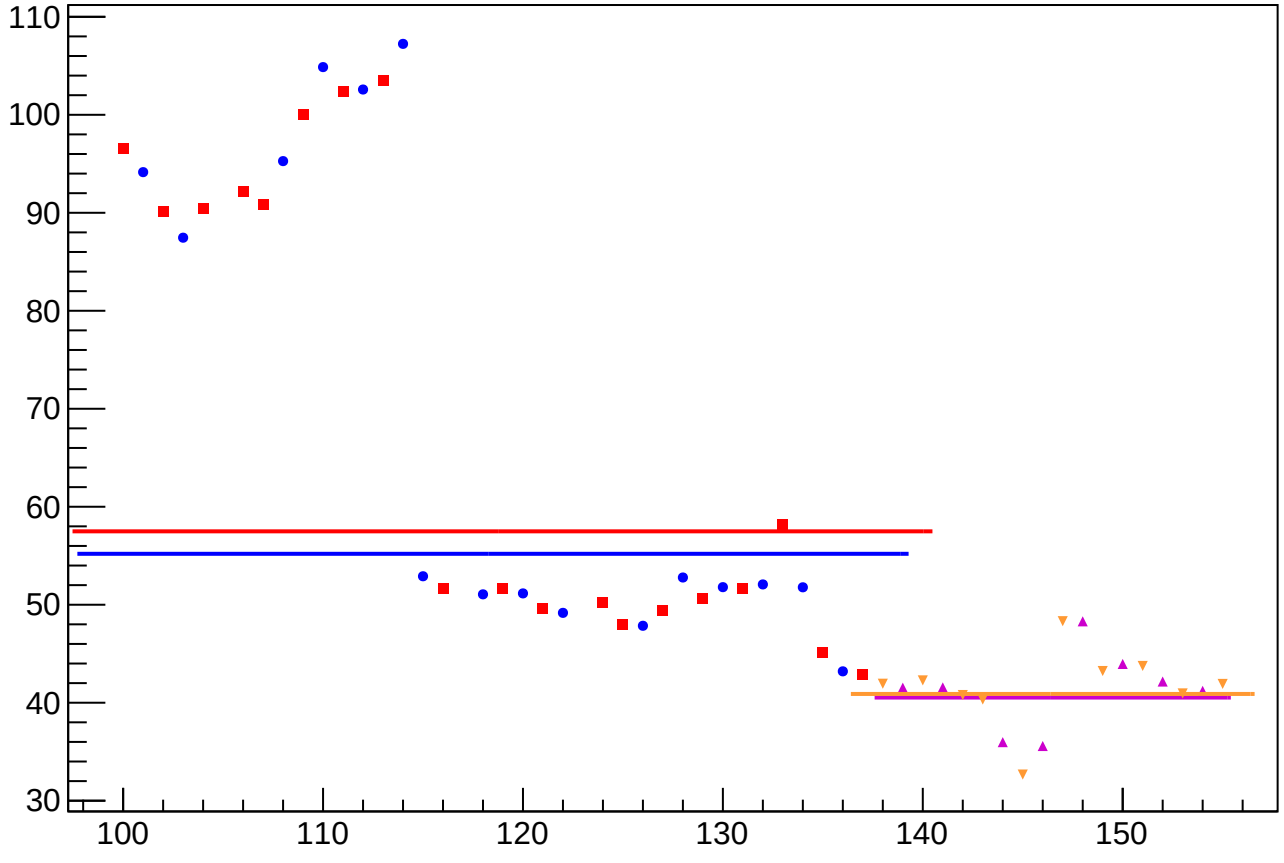
Left In: -9.535+/-15.413 χ^2/NDF:13.4/7

+ sign -15.851+/-12.114 χ^2/NDF: 37.7/25

All: -7.224+/-8.745 χ^2/NDF: 76.8/52

- sign 2.161+/-12.636 χ^2/NDF: 38.1/26

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.895+/-0.010 χ^2/NDF:157679.5/9

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

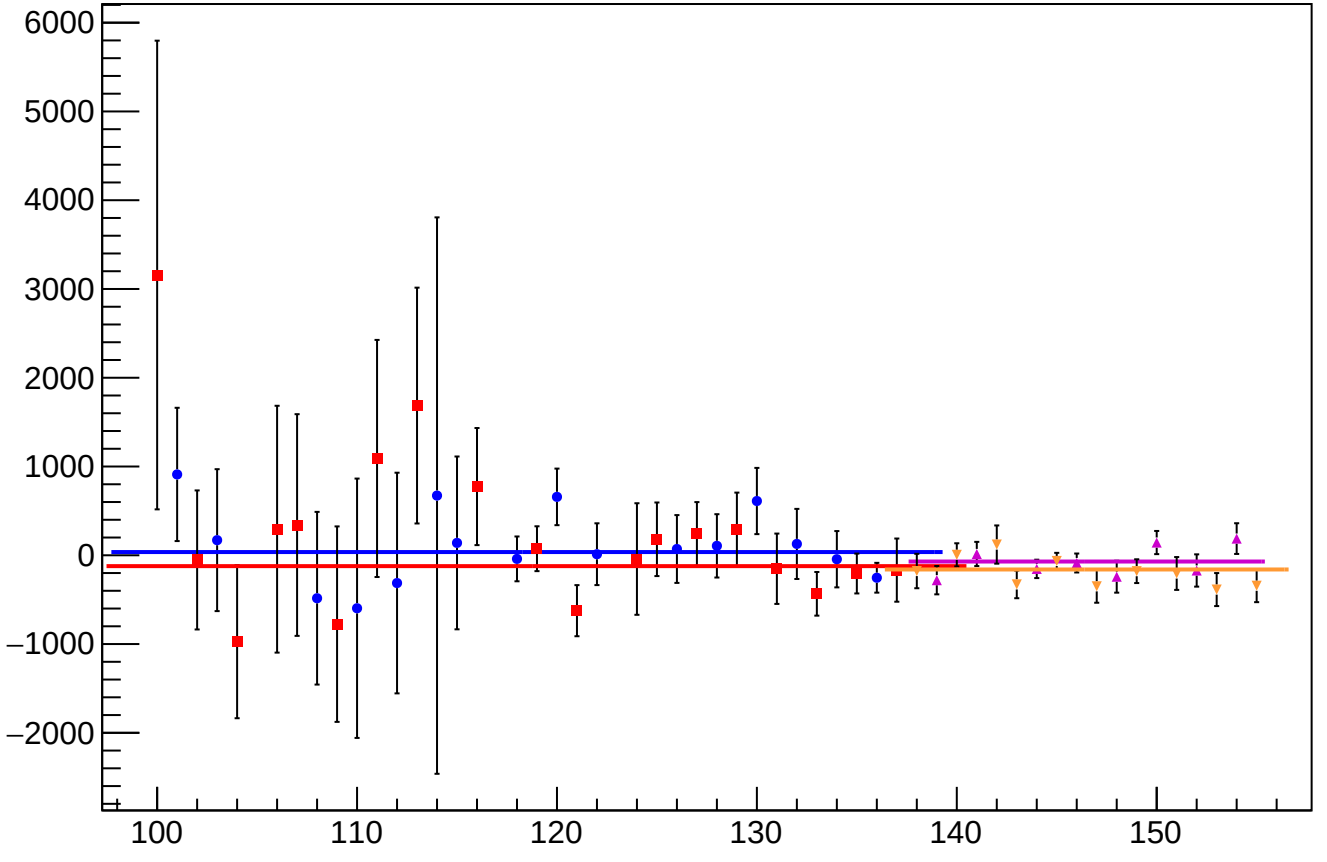
Left In: 40.527+/-0.011 χ^2/NDF:121799.4/7

+ sign 45.464+/-0.009 χ^2/NDF: 1916301.6/25

All: 45.763+/-0.006 χ^2/NDF: 4109281.7/52

- sign 46.088+/-0.009 χ^2/NDF: 2190434.7/26

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -159.970+/-47.675 χ^2/NDF:9.2/9

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

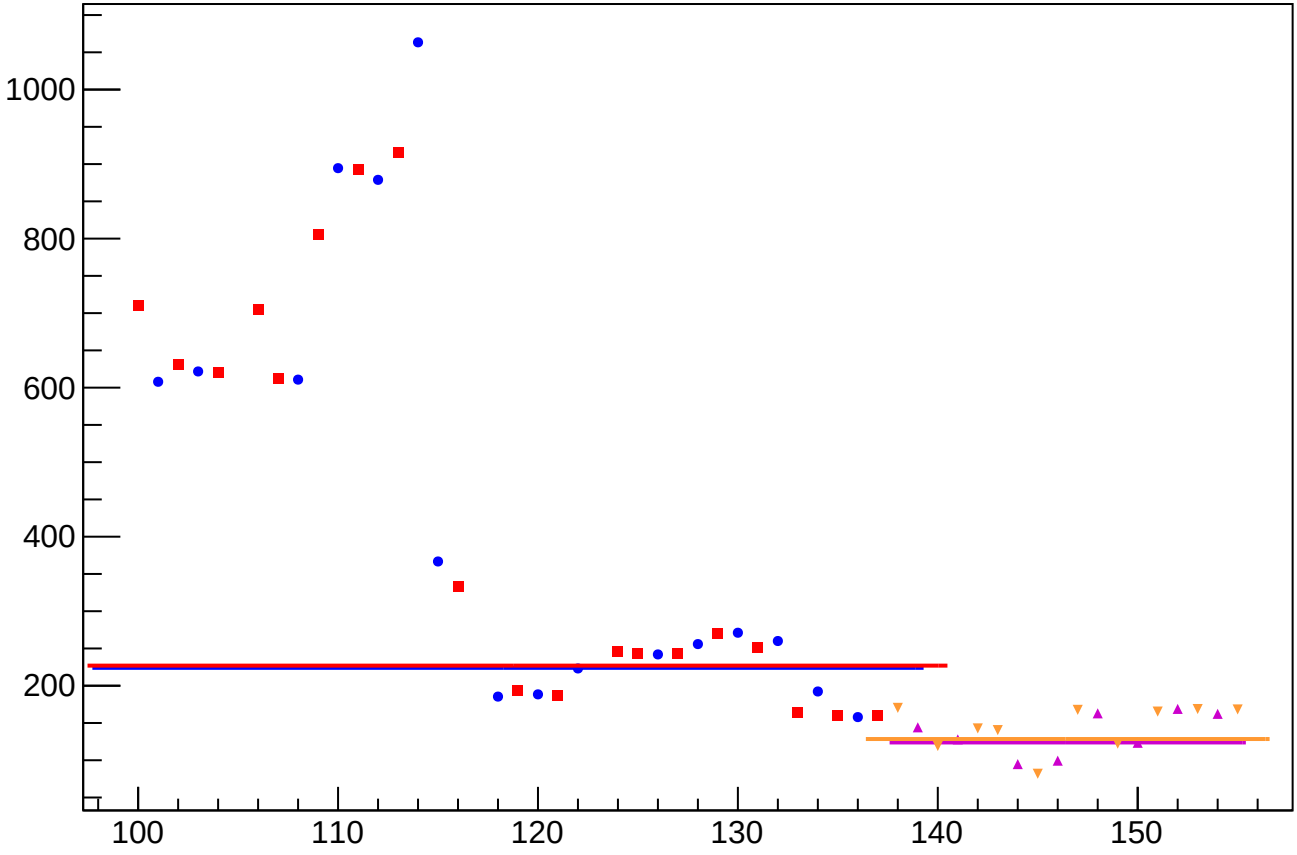
Left In: -70.347+/-48.379 χ^2/NDF:8.9/7

+ sign -119.509+/-42.478 χ^2/NDF: 24.1/25

All: -100.521+/-30.285 χ^2/NDF: 49.2/52

- sign -80.890+/-43.191 χ^2/NDF: 24.7/26

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 128.483+/-0.034 χ^2/NDF:1000306.2/9

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

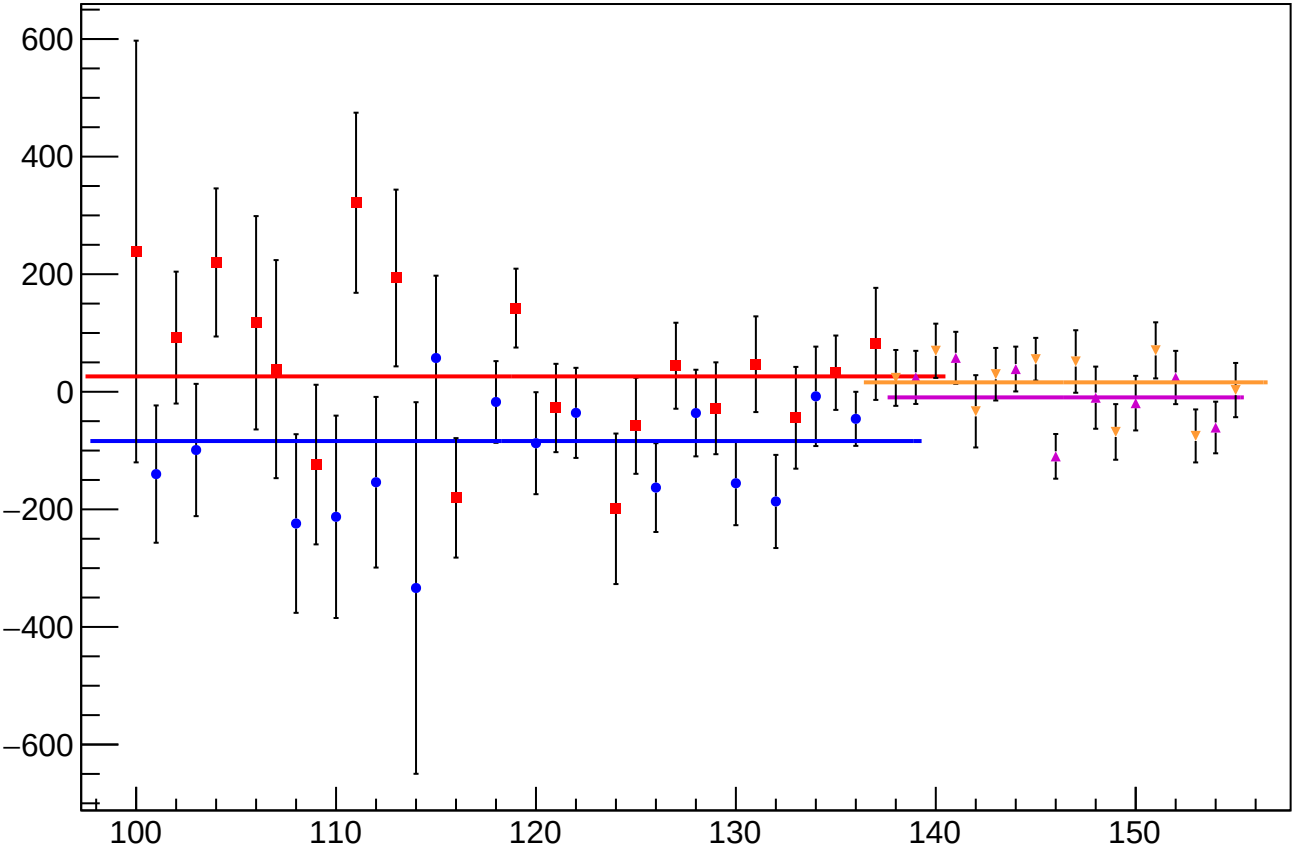
Left In: 123.875+/-0.034 χ^2/NDF:611901.0/7

+ sign 148.180+/-0.030 χ^2/NDF: 5624571.2/25

All: 146.519+/-0.021 χ^2/NDF: 11658222.3/52

- sign 144.802+/-0.031 χ^2/NDF: 6027431.2/26

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 16.043+/-14.684 χ^2/NDF:12.4/9

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

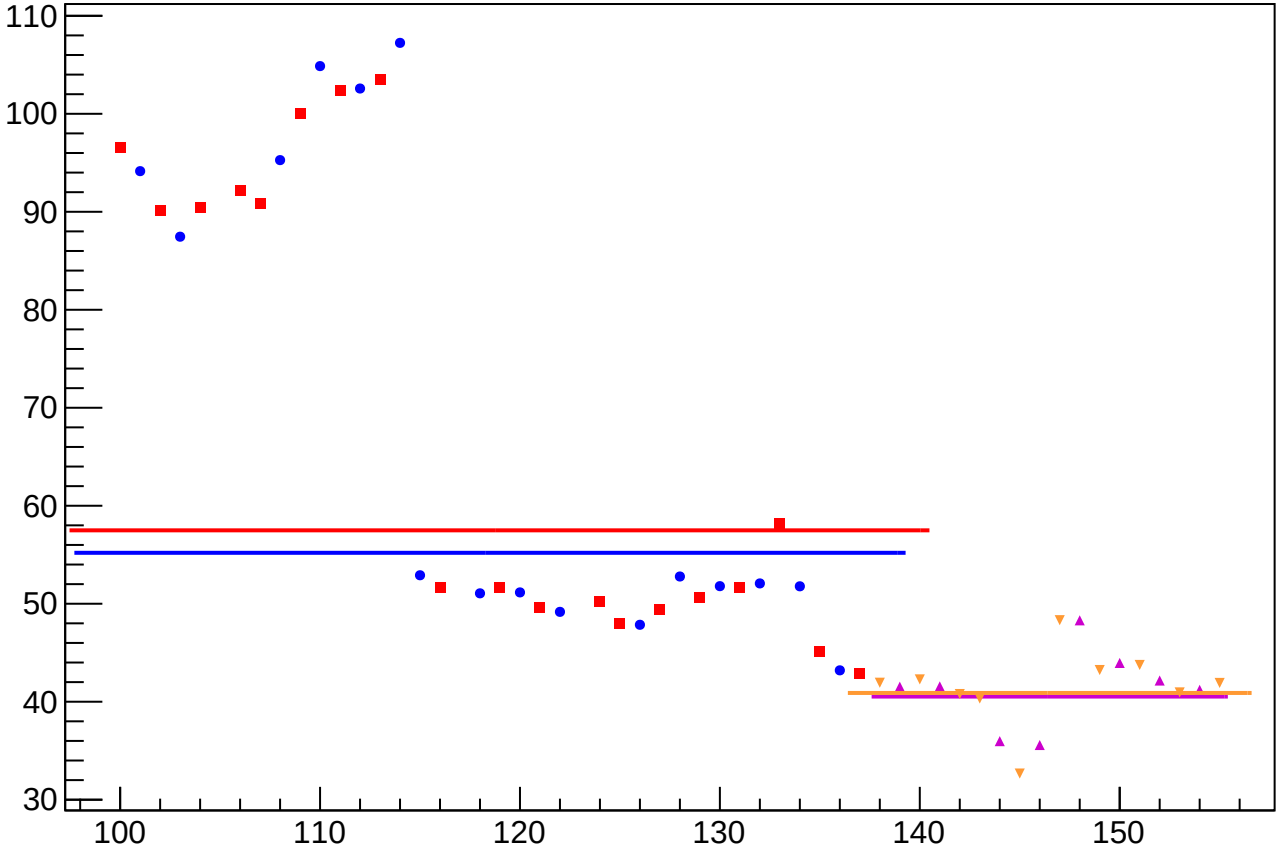
Left In: -9.535+/-15.413 χ^2/NDF:13.4/7

+ sign -15.851+/-12.114 χ^2/NDF: 37.7/25

All: -7.224+/-8.745 χ^2/NDF: 76.8/52

- sign 2.161+/-12.636 χ^2/NDF: 38.1/26

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.895+/-0.010 χ^2/NDF:157679.5/9

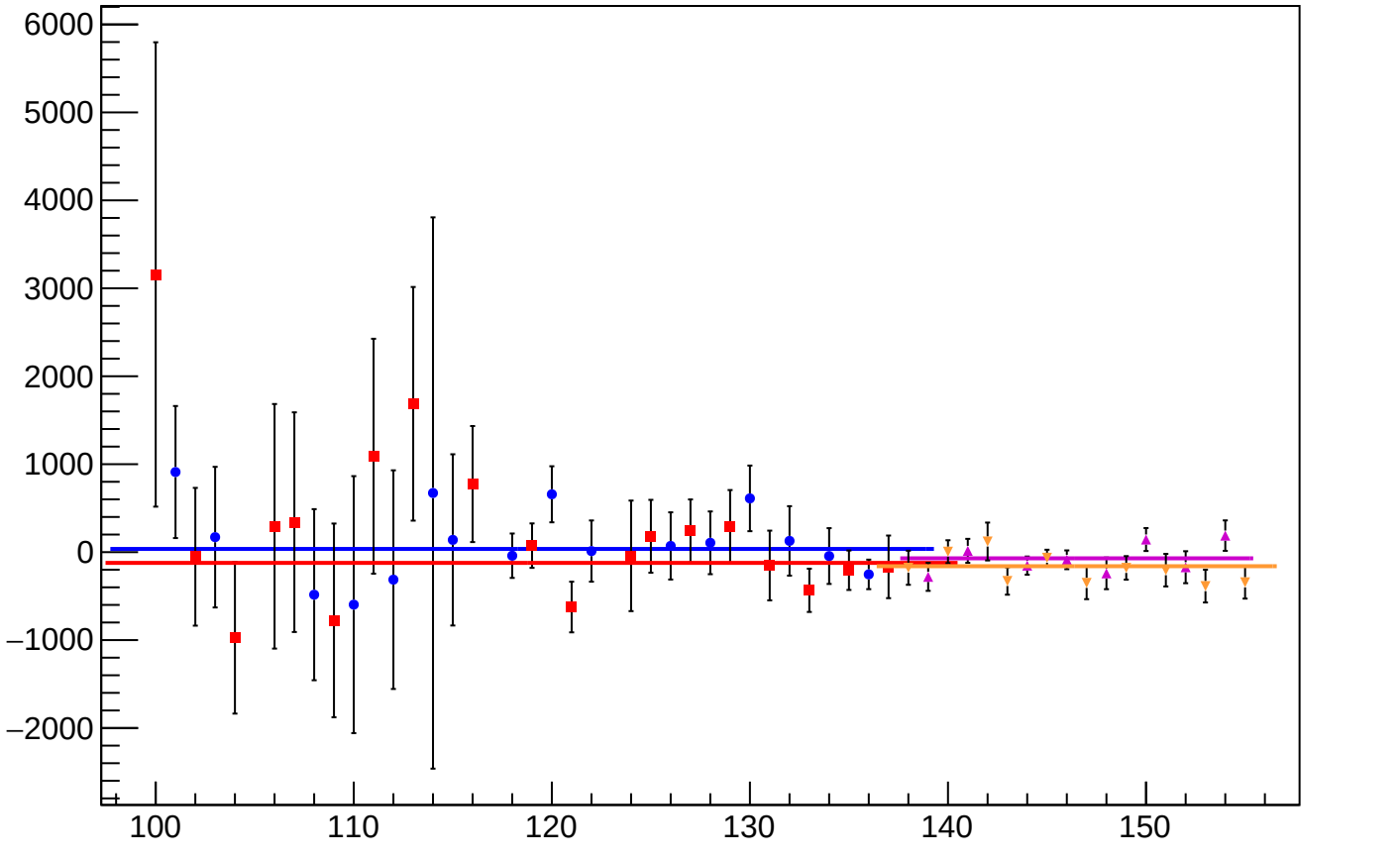
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.527+/-0.011 χ^2/NDF:121799.4/7

+ sign 45.464+/-0.009 χ^2/NDF: 1916301.6/25

All: 45.763+/-0.006 χ^2/NDF: 4109281.7/52

- sign 46.088+/-0.009 χ^2/NDF: 2190434.7/26



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -159.970+/-47.675 χ^2/NDF:9.2/9

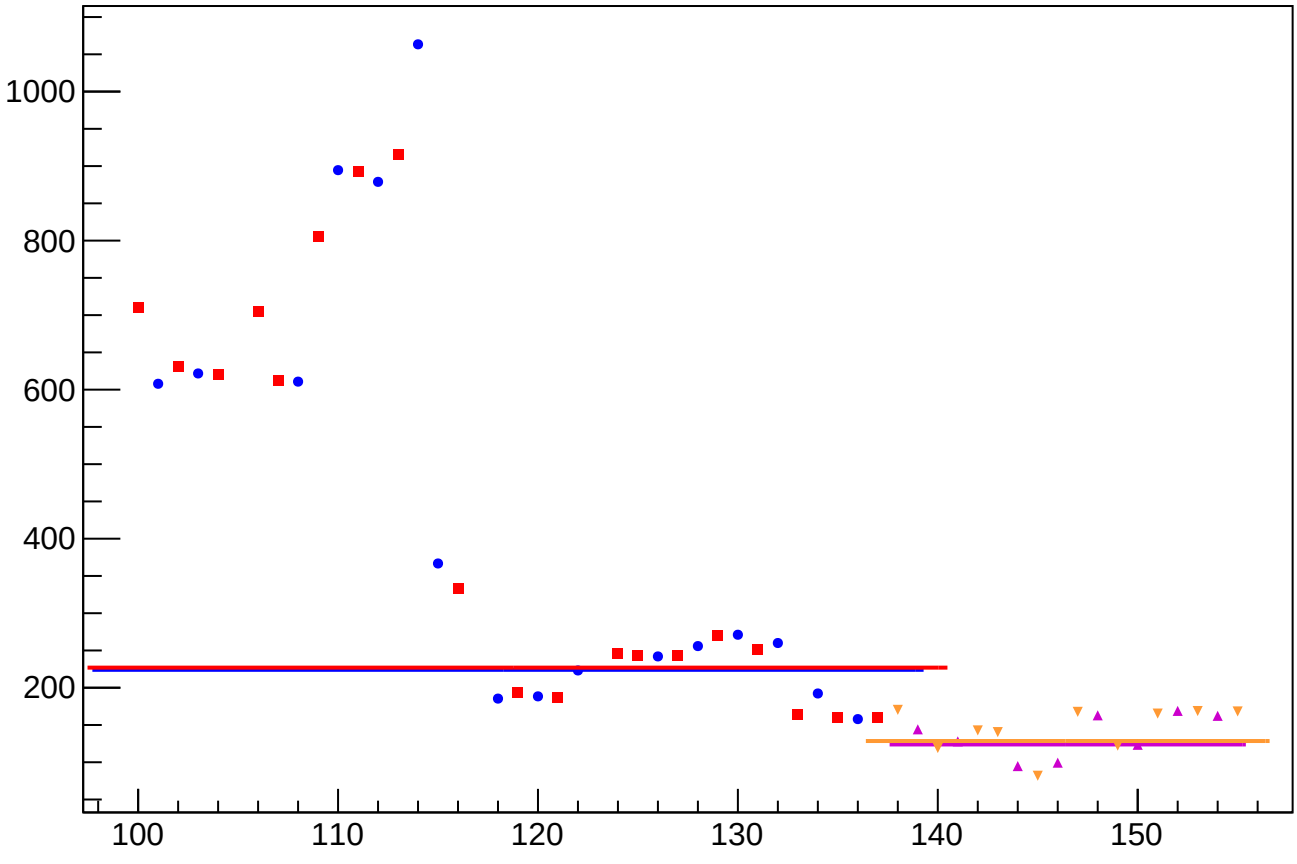
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -70.347+/-48.379 χ^2/NDF:8.9/7

+ sign -119.509+/-42.478 χ^2/NDF: 24.1/25

All: -100.521+/-30.285 χ^2/NDF: 49.2/52

- sign -80.890+/-43.191 χ^2/NDF: 24.7/26



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 128.483+/-0.034 χ^2/NDF:1000306.2/9

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

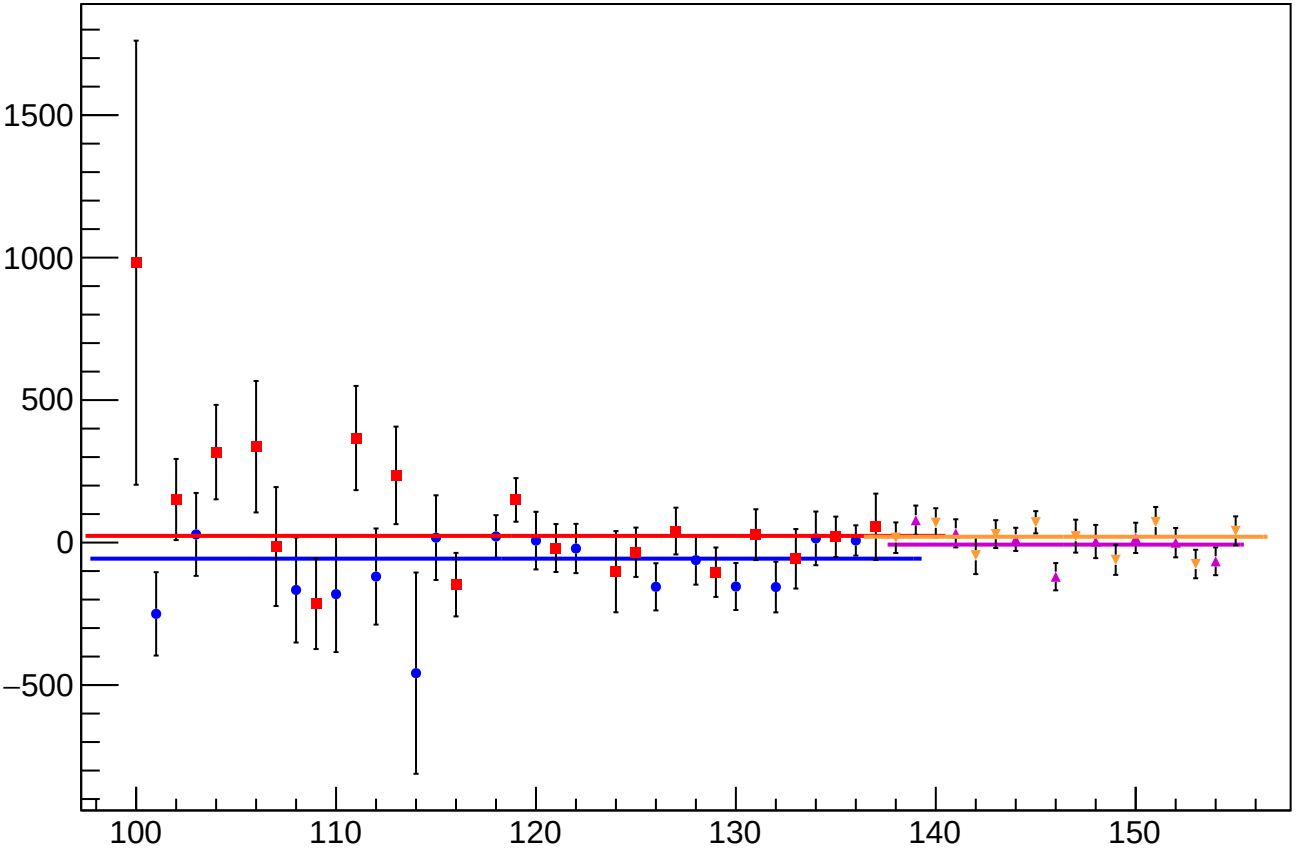
Left In: 123.875+/-0.034 χ^2/NDF:611901.0/7

+ sign 148.180+/-0.030 χ^2/NDF: 5624571.2/25

All: 146.519+/-0.021 χ^2/NDF: 11658222.3/52

- sign 144.802+/-0.031 χ^2/NDF: 6027431.2/26

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.476+/-16.147 χ^2/NDF:10.7/9

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

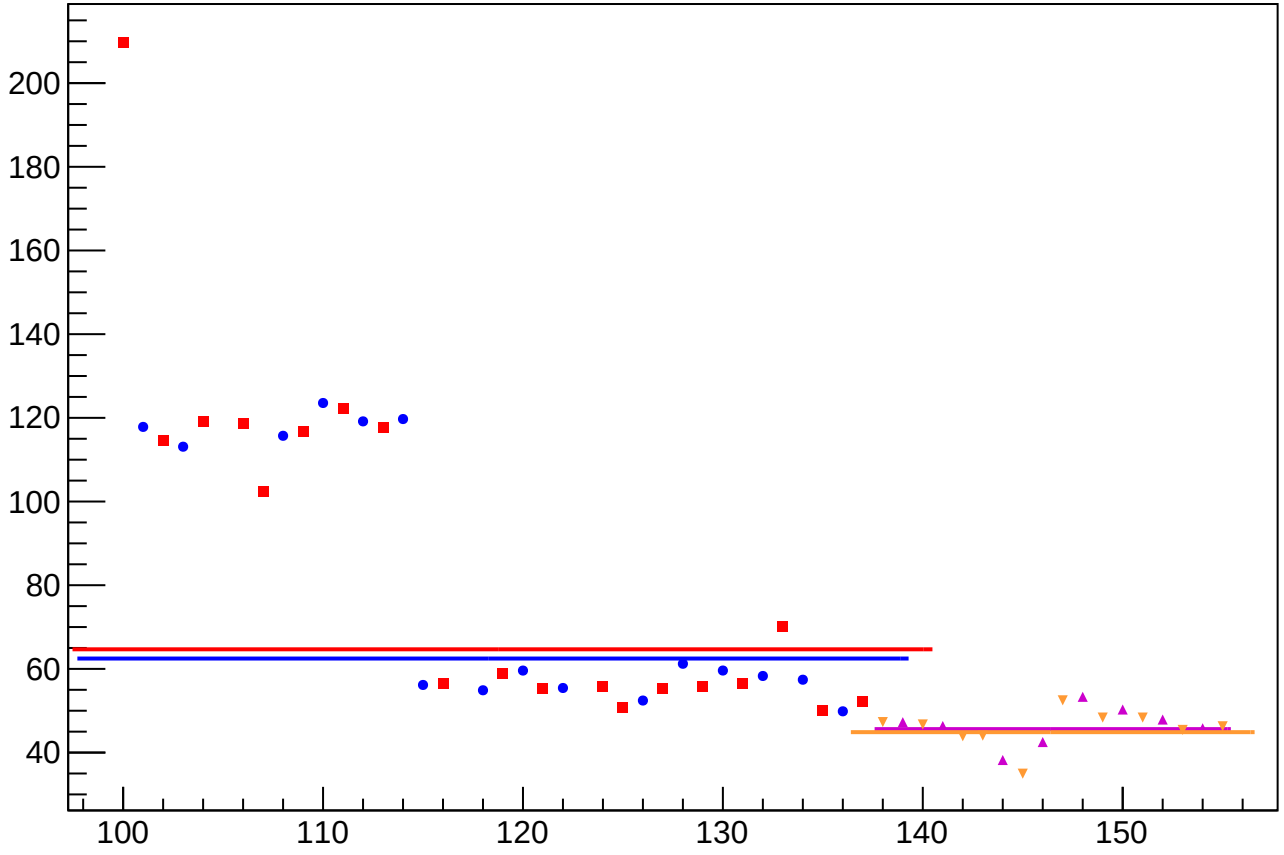
Left In: -7.051+/-17.472 χ^2/NDF:10.9/7

+ sign -2.822+/-13.480 χ^2/NDF: 29.9/25

All: -0.146+/-9.825 χ^2/NDF: 65.9/52

- sign 2.887+/-14.351 χ^2/NDF: 35.9/26

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 44.880+/-0.011 χ^2/NDF:190457.4/9

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

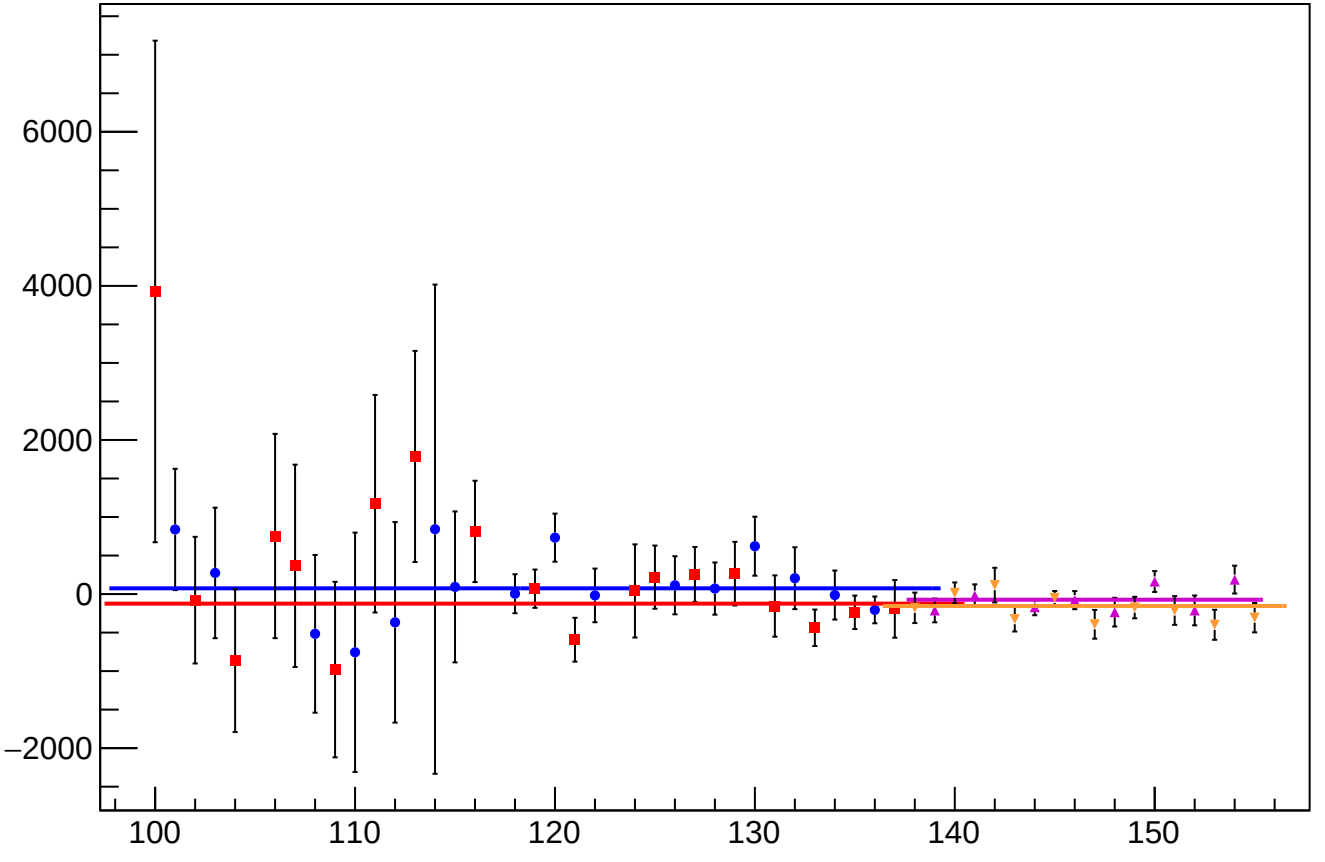
Left In: 45.606+/-0.012 χ^2/NDF:131420.2/7

+ sign 50.211+/-0.010 χ^2/NDF: 2258216.2/25

All: 50.961+/-0.007 χ^2/NDF: 4768791.7/52

- sign 51.812+/-0.010 χ^2/NDF: 2497364.3/26

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -155.019+/-48.550 χ^2/NDF:9.4/9

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

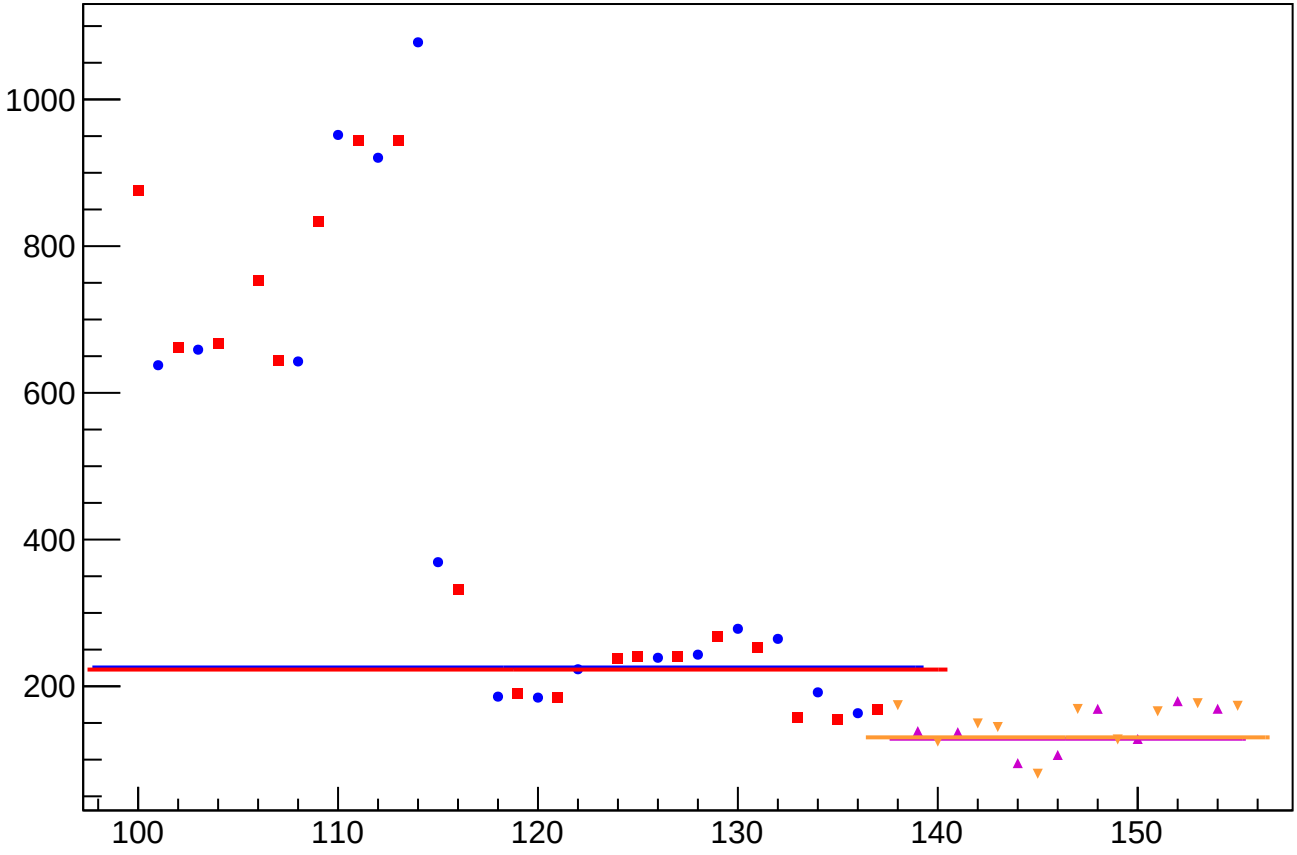
Left In: -73.509+/-50.454 χ^2/NDF:8.2/7

+ sign -107.125+/-43.184 χ^2/NDF: 25.3/25

All: -96.267+/-30.999 χ^2/NDF: 50.2/52

- sign -84.723+/-44.525 χ^2/NDF: 24.7/26

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 130.376+/-0.034 χ^2/NDF:1113161.7/9

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

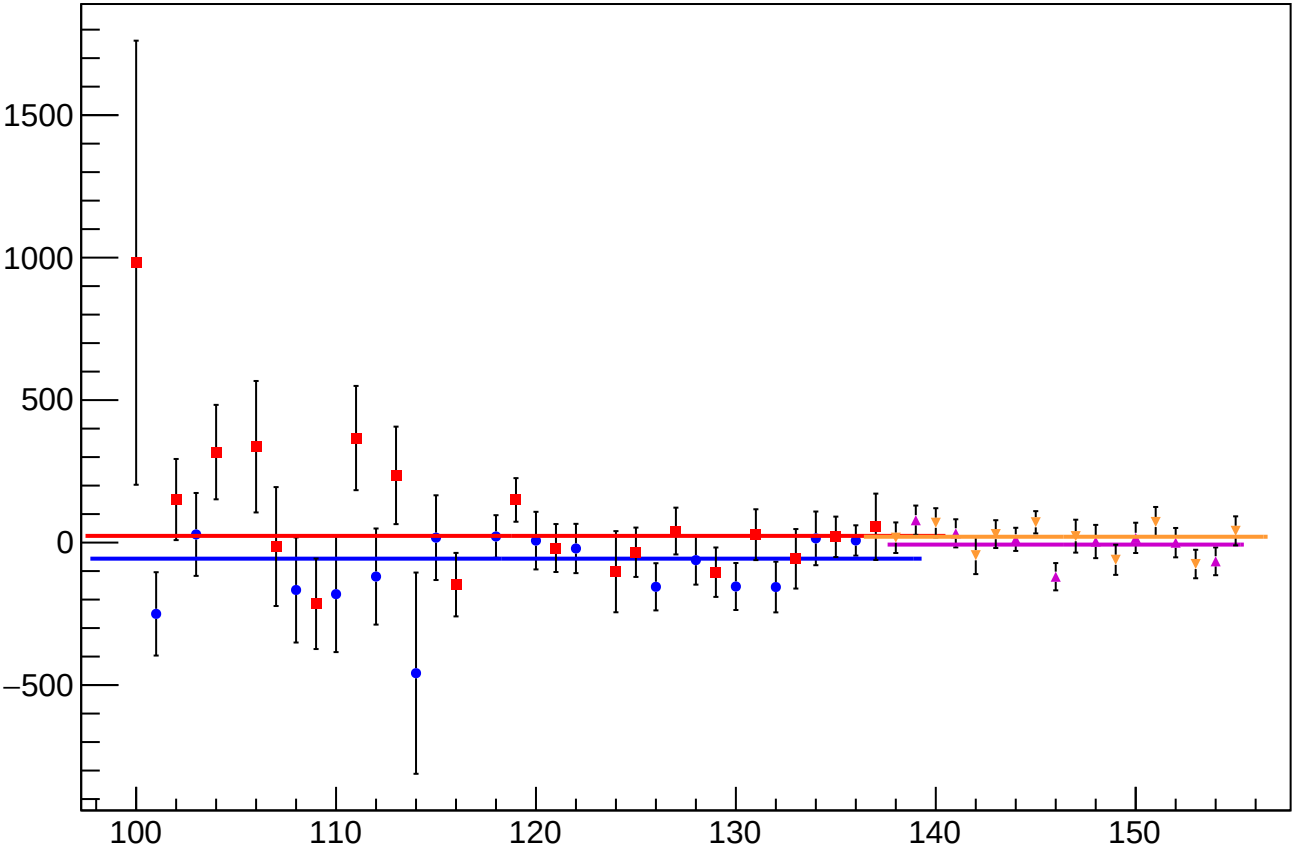
Left In: 128.515+/-0.036 χ^2/NDF:627278.7/7

+ sign 150.267+/-0.031 χ^2/NDF: 5746552.9/25

All: 149.832+/-0.022 χ^2/NDF: 11767003.8/52

- sign 149.370+/-0.031 χ^2/NDF: 6020032.9/26

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.477+/-16.147 χ^2/NDF:10.7/9

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

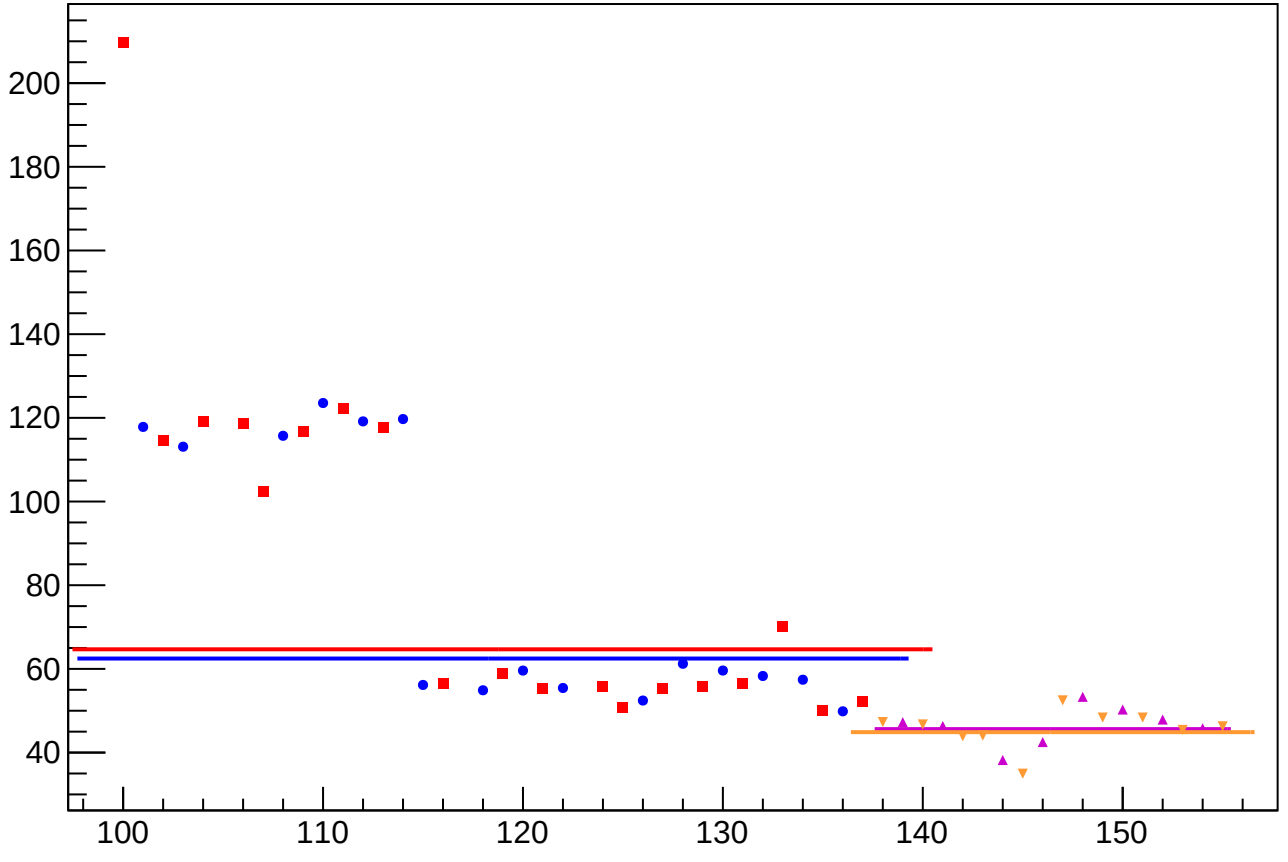
Left In: -7.052+/-17.472 χ^2/NDF:10.9/7

+ sign -2.822+/-13.480 χ^2/NDF: 29.9/25

All: -0.146+/-9.825 χ^2/NDF: 65.9/52

- sign 2.887+/-14.351 χ^2/NDF: 35.9/26

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.880+/-0.011 χ^2/NDF:190460.5/9

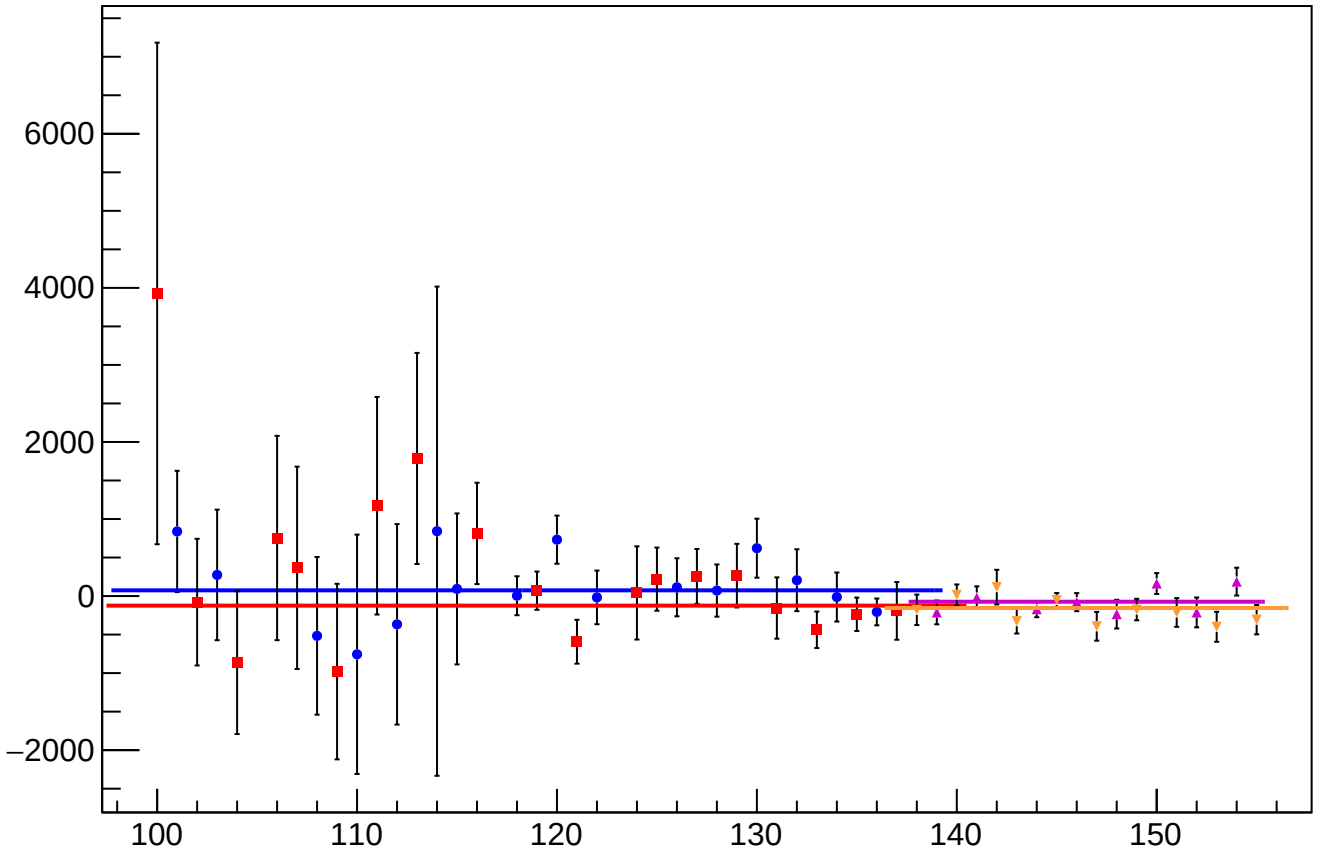
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.606+/-0.012 χ^2/NDF:131420.2/7

+ sign 50.211+/-0.010 χ^2/NDF: 2258158.4/25

All: 50.961+/-0.007 χ^2/NDF: 4768690.2/52

- sign 51.812+/-0.010 χ^2/NDF: 2497320.2/26



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -155.018+/-48.551 χ^2/NDF:9.4/9

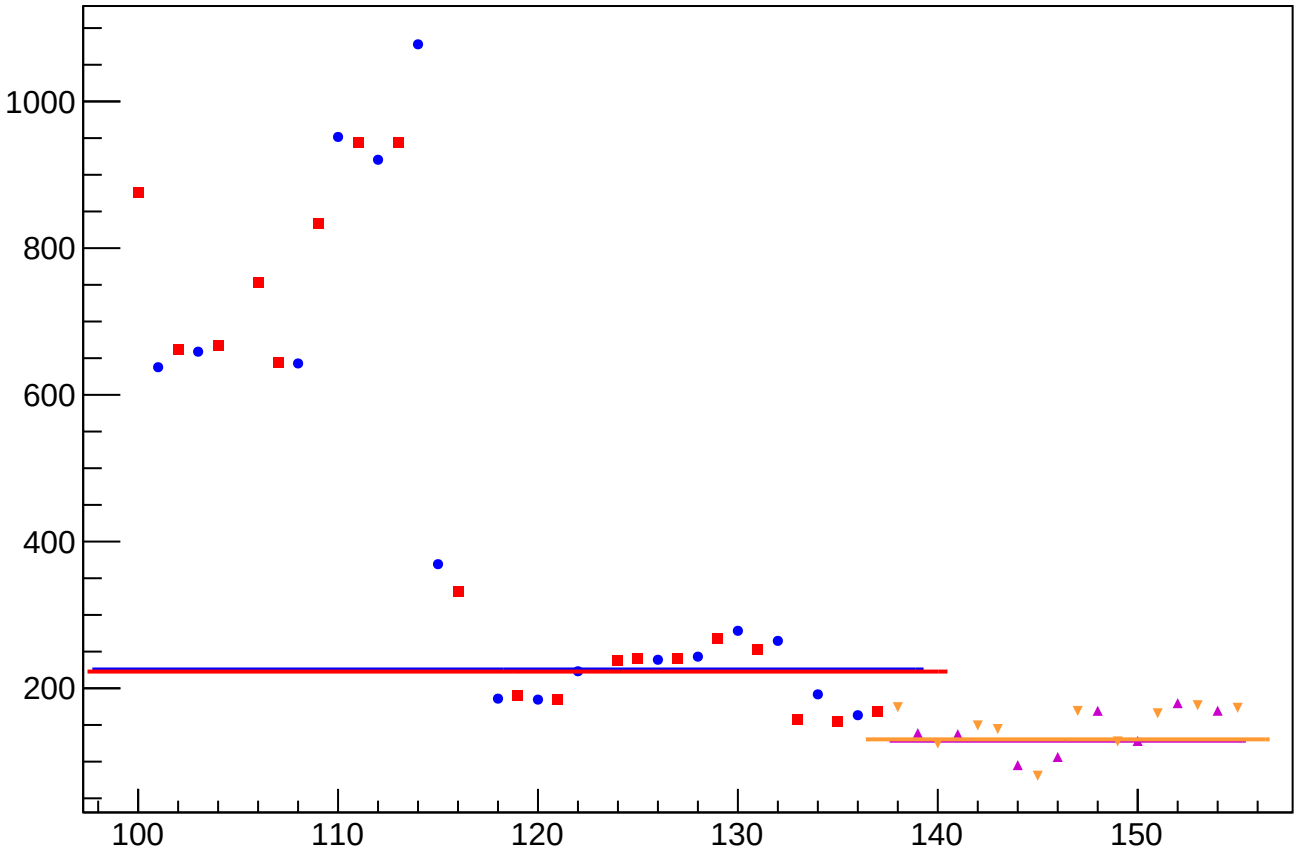
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -73.509+/-50.454 χ^2/NDF:8.2/7

+ sign -107.125+/-43.184 χ^2/NDF: 25.3/25

All: -96.266+/-30.999 χ^2/NDF: 50.2/52

- sign -84.723+/-44.525 χ^2/NDF: 24.7/26



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 130.376+/-0.034 χ^2/NDF:1113156.1/9

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

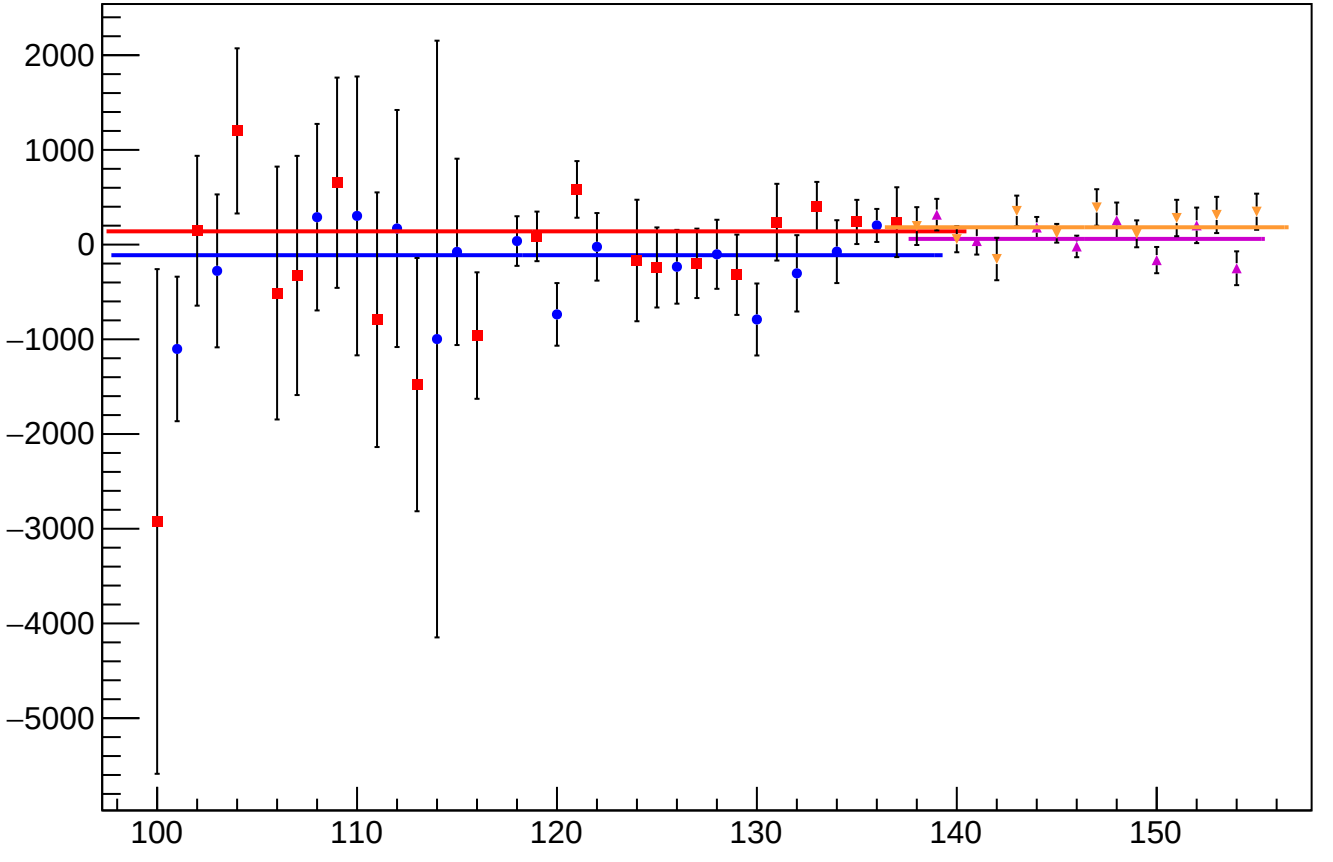
Left In: 128.516+/-0.036 χ^2/NDF:627278.8/7

+ sign 150.267+/-0.031 χ^2/NDF: 5746518.6/25

All: 149.832+/-0.022 χ^2/NDF: 11766954.5/52

- sign 149.370+/-0.031 χ^2/NDF: 6020017.7/26

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 183.023+/-50.235 χ^2/NDF:7.5/9

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

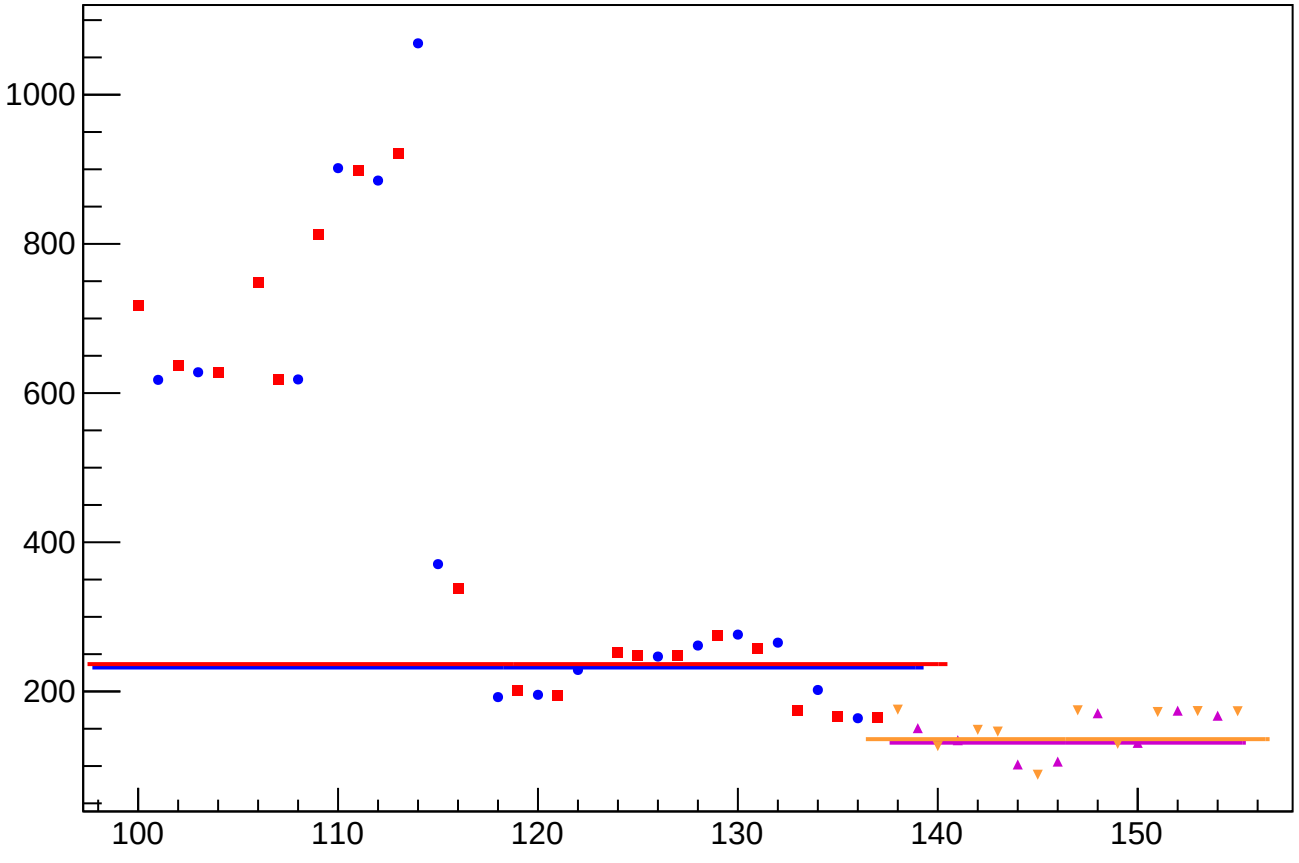
Left In: 60.219+/-51.082 χ^2/NDF:11.3/7

+ sign 120.190+/-44.564 χ^2/NDF: 27.7/25

All: 98.973+/-31.807 χ^2/NDF: 54.6/52

- sign 76.941+/-45.412 χ^2/NDF: 26.5/26

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 136.048+/-0.036 χ^2/NDF:878822.2/9

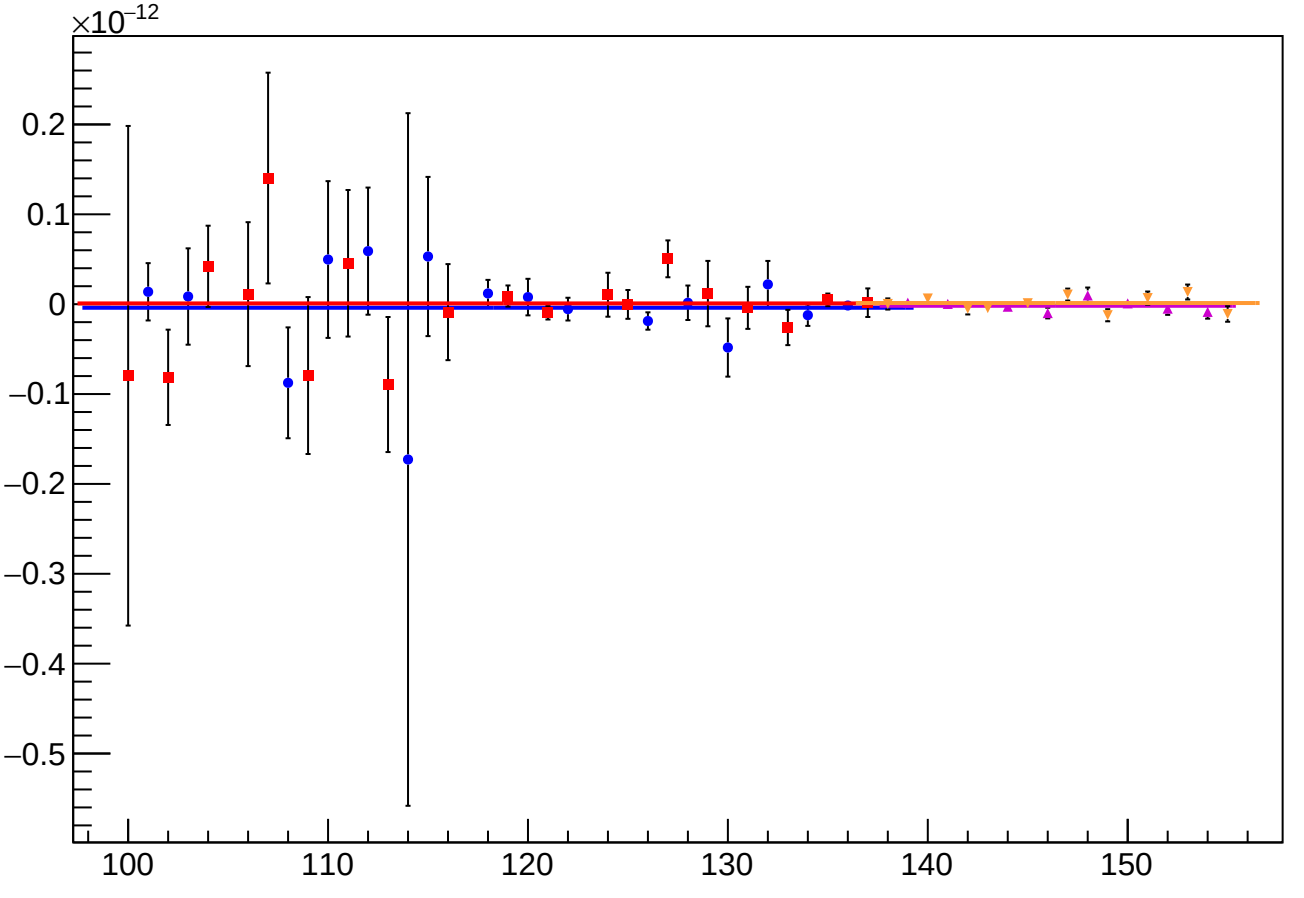
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 131.318+/-0.036 χ^2/NDF:540586.0/7

+ sign 156.512+/-0.032 χ^2/NDF: 5322254.1/25

All: 154.987+/-0.022 χ^2/NDF: 11171605.3/52

- sign 153.402+/-0.032 χ^2/NDF: 5844572.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

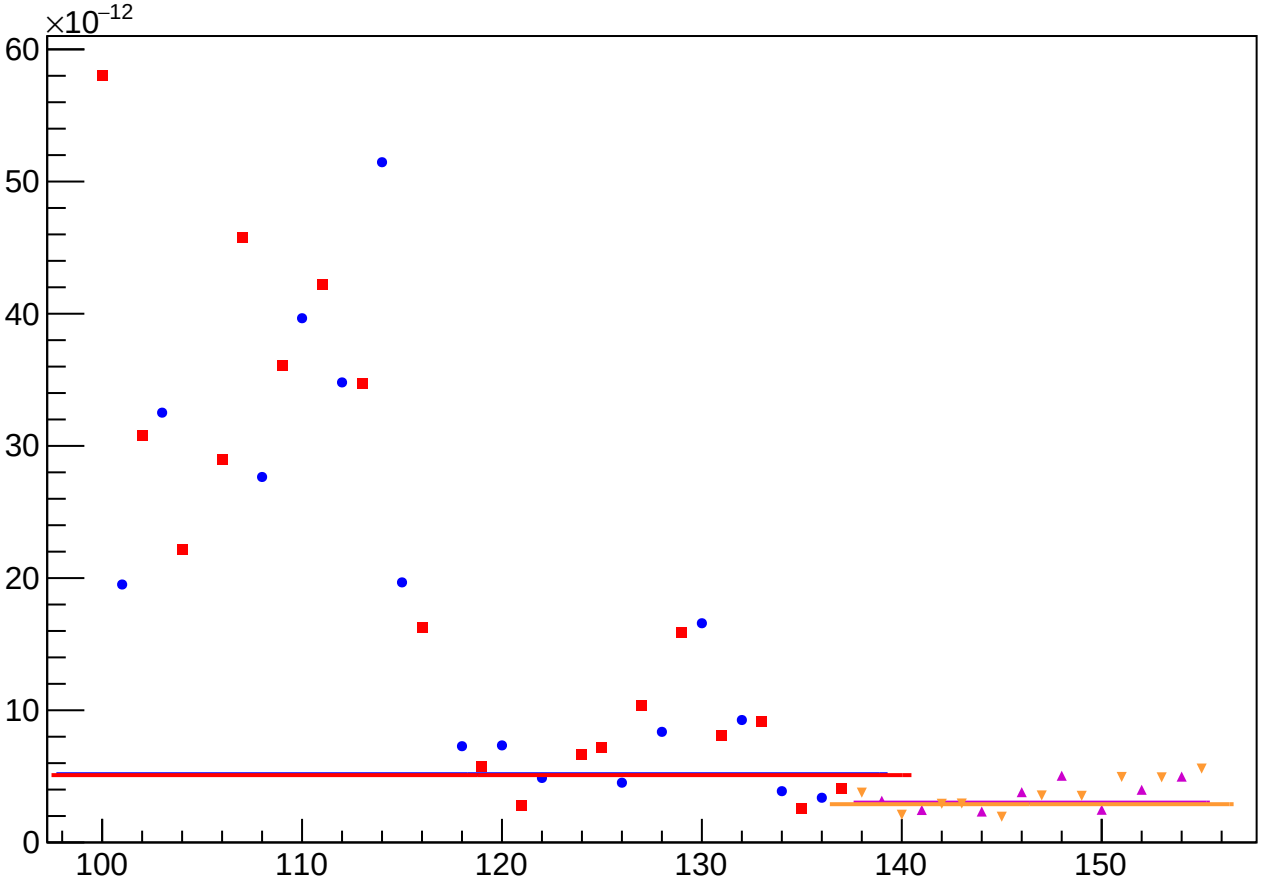
Left In: -0.000+/-0.000 χ^2/NDF:5.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 28.1/25

All: -0.000+/-0.000 χ^2/NDF: 52.7/52

- sign -0.000+/-0.000 χ^2/NDF: 24.1/26

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:829362.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

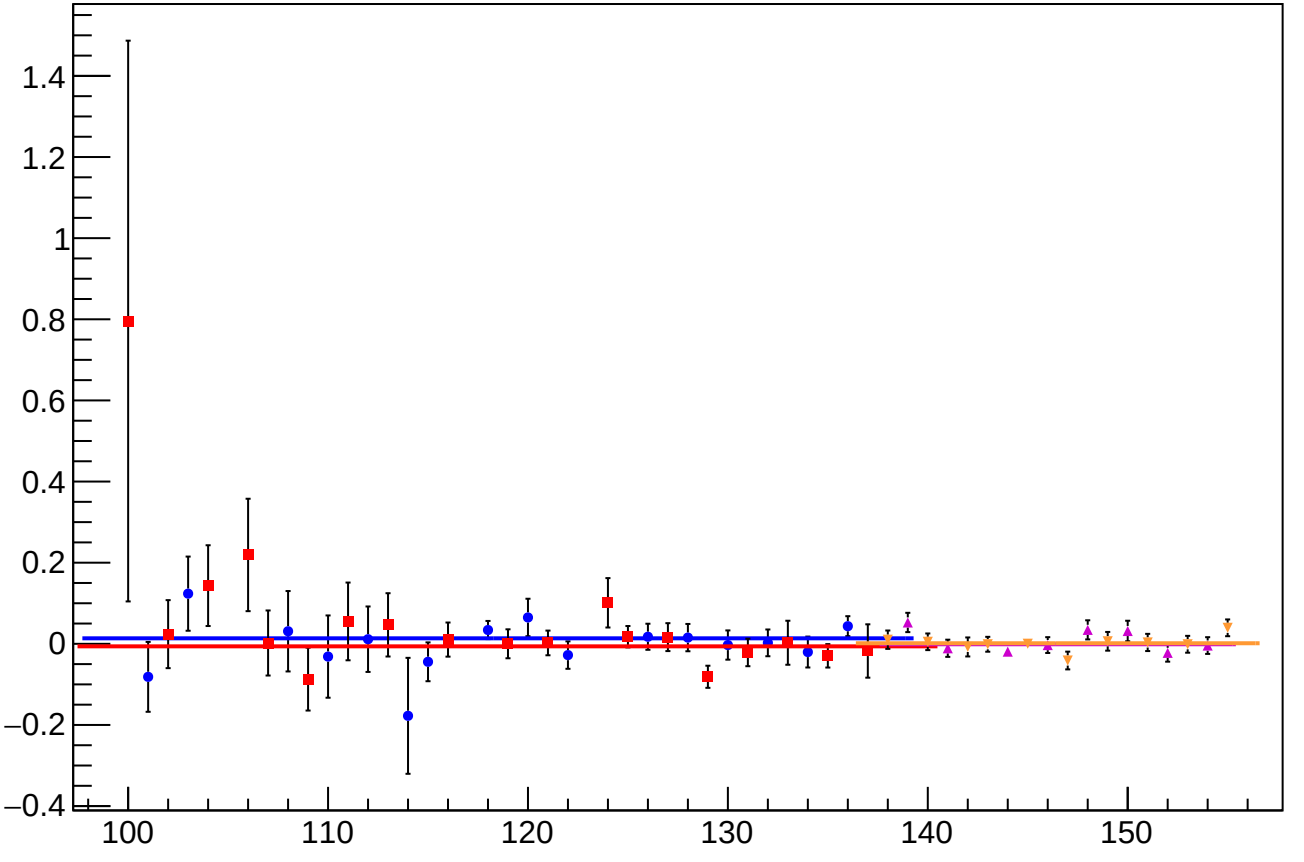
Left In: 0.000+/-0.000 χ^2/NDF:453724.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 4080512.7/25

All: 0.000+/-0.000 χ^2/NDF: 8230425.4/52

- sign 0.000+/-0.000 χ^2/NDF: 4146174.7/26

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: 0.001+/-0.006 χ^2/NDF:7.6/9

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

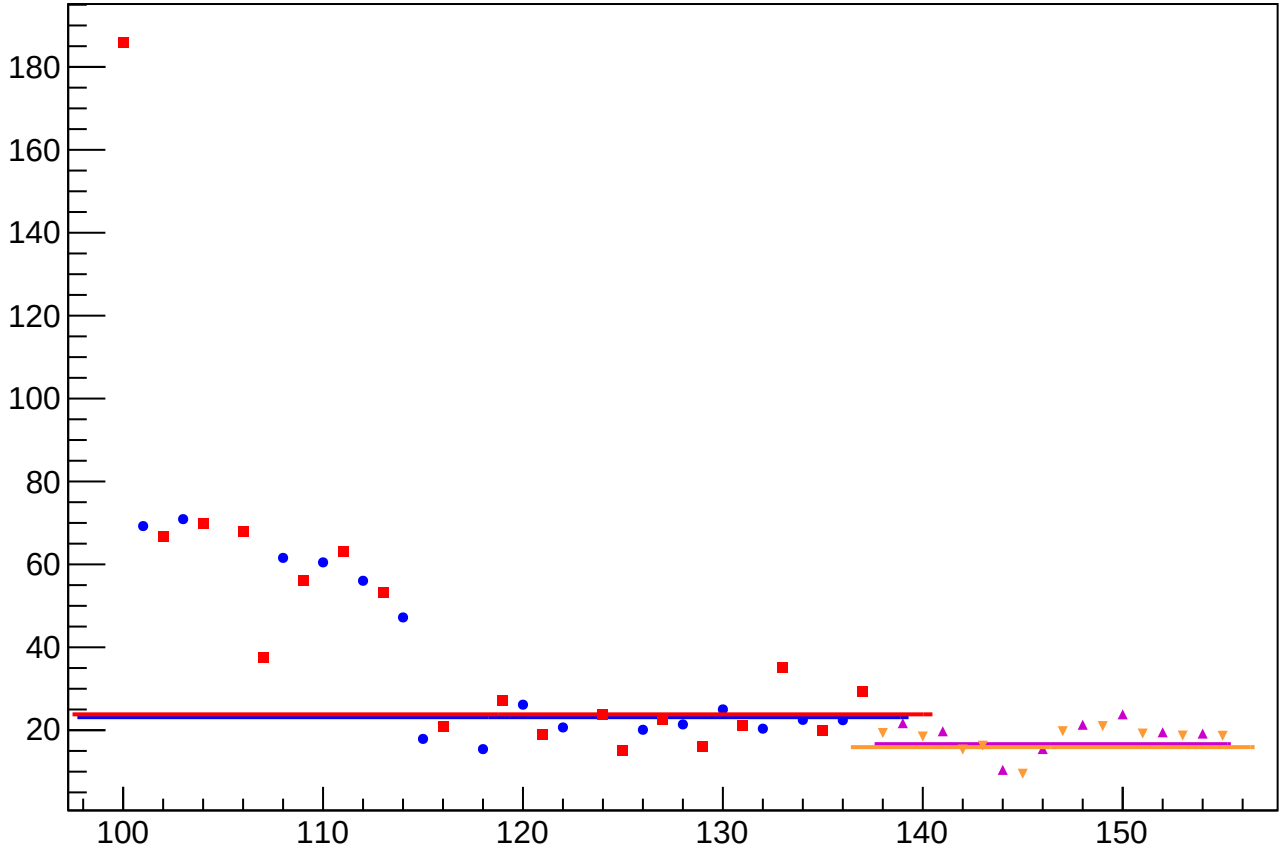
Left In: -0.001+/-0.007 χ^2/NDF:12.6/7

+ sign 0.005+/-0.005 χ^2/NDF: 21.0/25

All: 0.001+/-0.004 χ^2/NDF: 56.2/52

- sign -0.003+/-0.006 χ^2/NDF: 34.2/26

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.916+/-0.004 χ^2/NDF:1000281.8/9

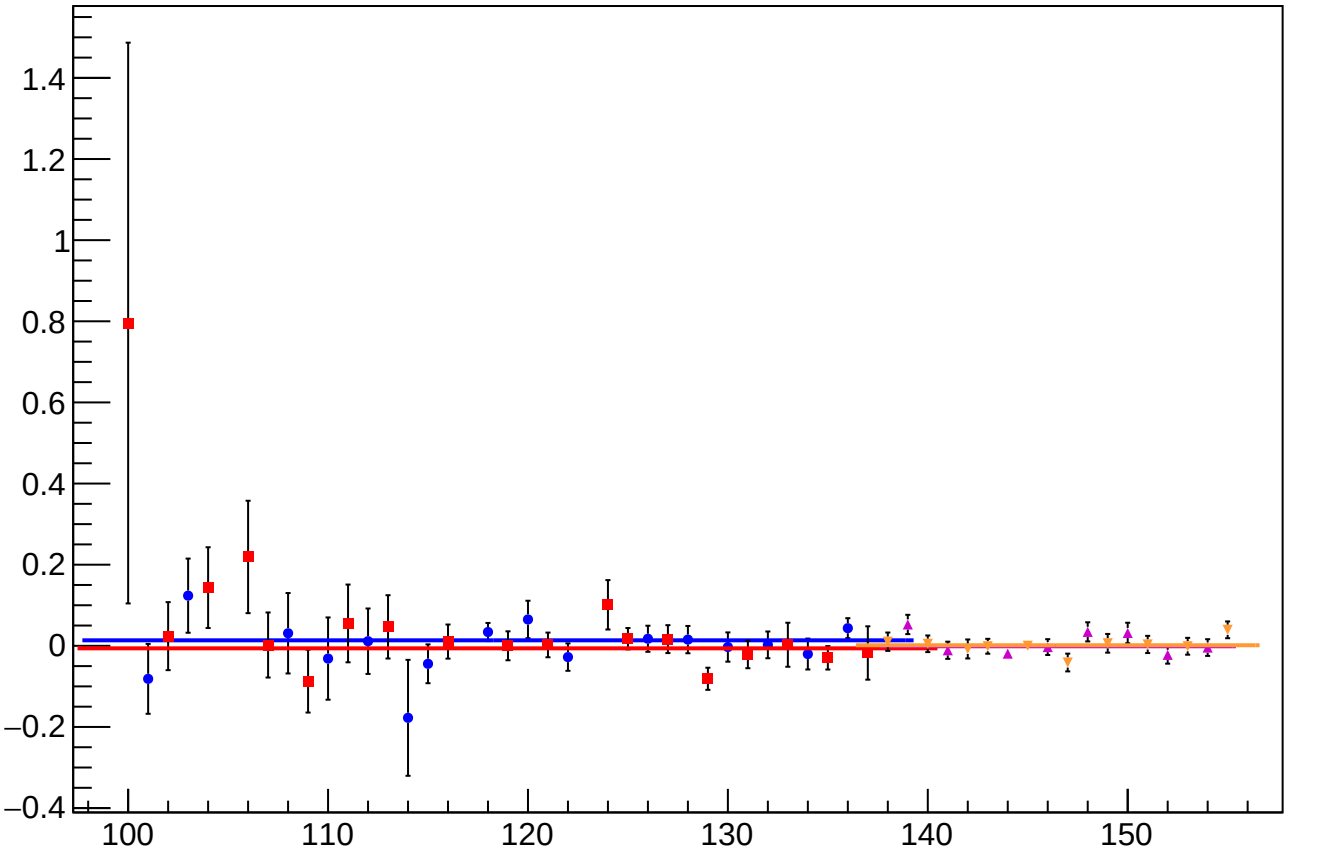
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.634+/-0.005 χ^2/NDF:1000641.3/7

\+ sign 17.872+/-0.004 χ^2/NDF: 4192986.0/25

All: 18.331+/-0.003 χ^2/NDF: 8828868.4/52

\- sign 18.885+/-0.004 χ^2/NDF: 4600525.8/26



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.006 χ^2/NDF:7.6/9

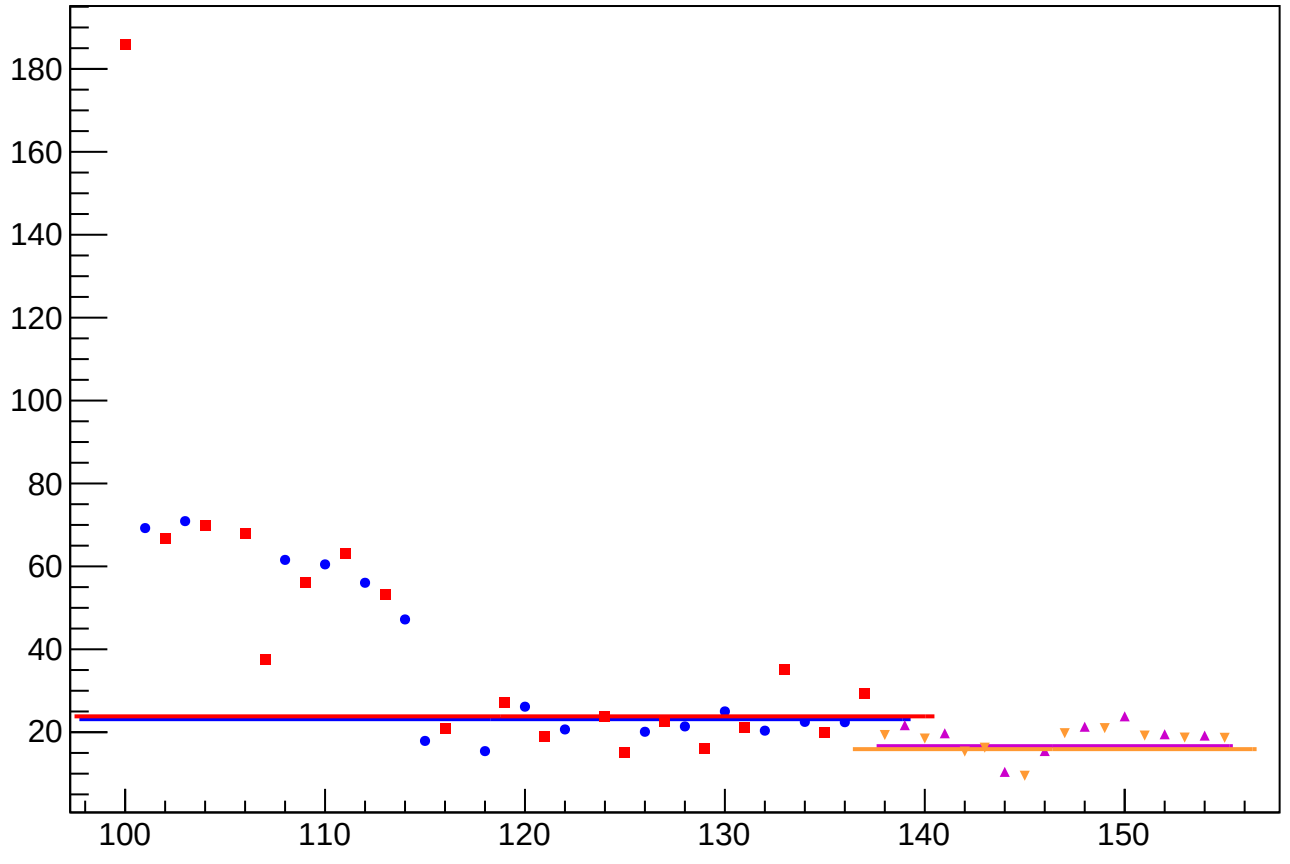
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.007 χ^2/NDF:12.6/7

+ sign 0.005+/-0.005 χ^2/NDF: 21.0/25

All: 0.001+/-0.004 χ^2/NDF: 56.2/52

- sign -0.003+/-0.006 χ^2/NDF: 34.2/26



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.916+/-0.004 χ^2/NDF:1000281.8/9

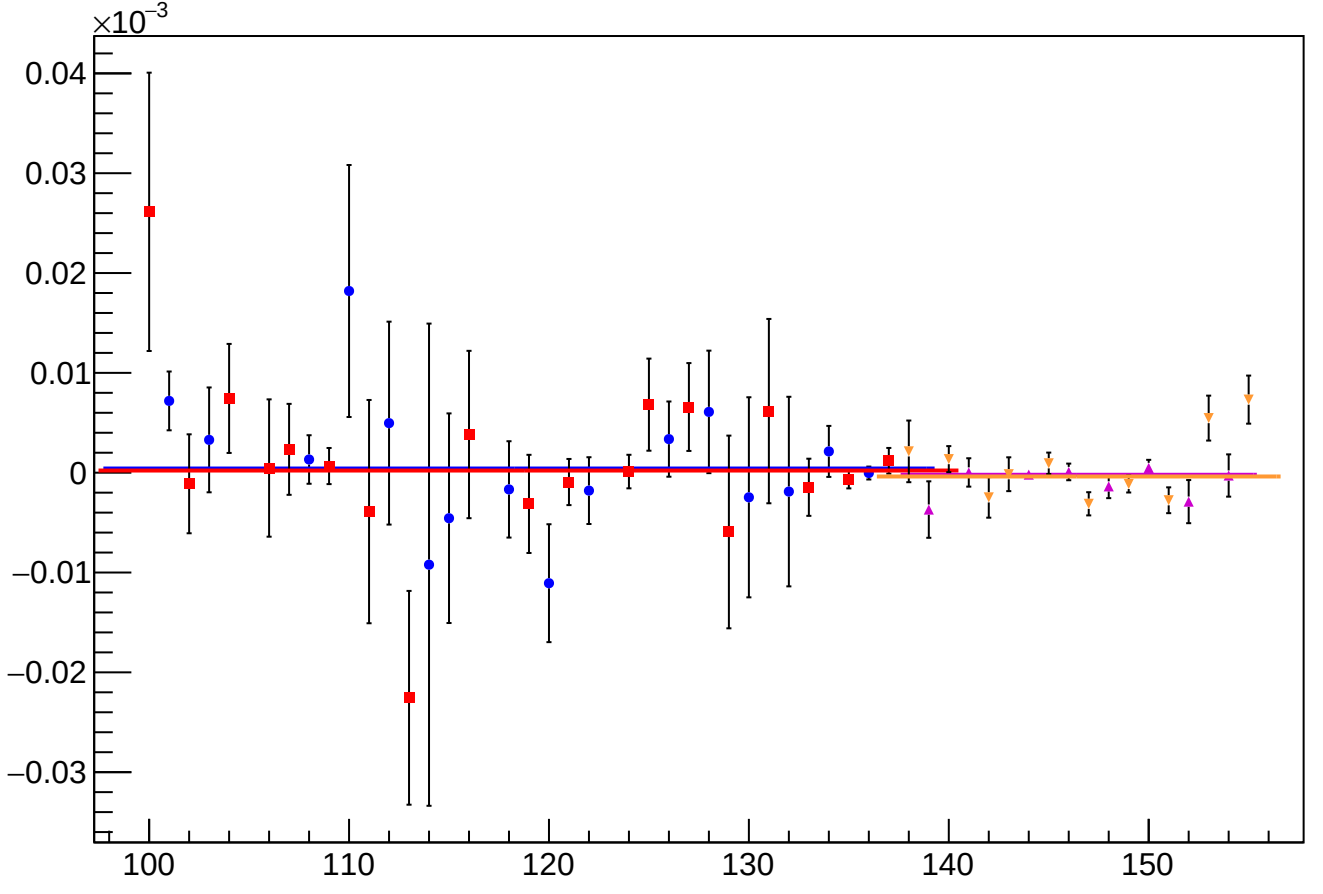
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.634+/-0.005 χ^2/NDF:1000641.3/7

+ sign 17.872+/-0.004 χ^2/NDF: 4192986.0/25

All: 18.331+/-0.003 χ^2/NDF: 8828868.4/52

- sign 18.885+/-0.004 χ^2/NDF: 4600525.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/9

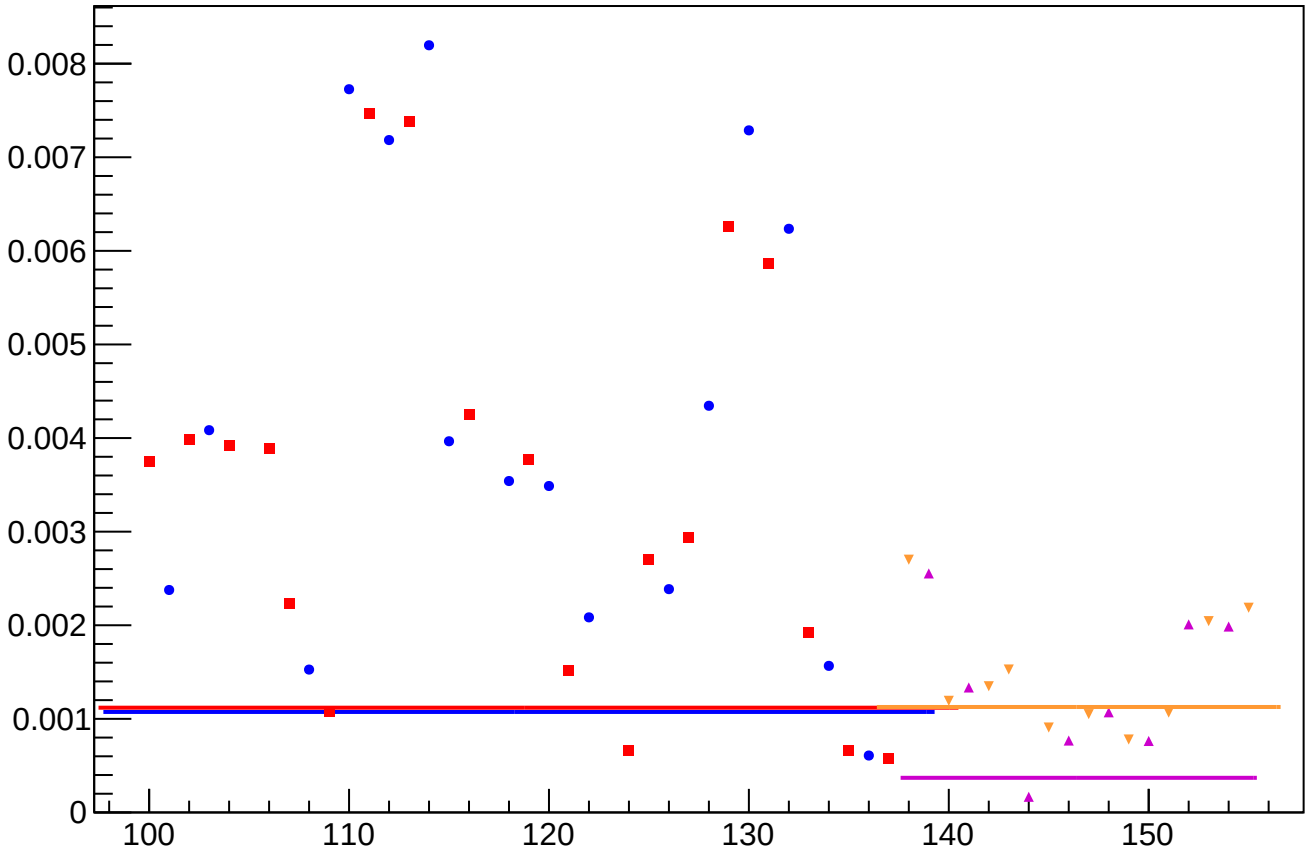
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/7

+ sign -0.000+/-0.000 χ^2/NDF: 48.2/25

All: -0.000+/-0.000 χ^2/NDF: 71.6/52

- sign -0.000+/-0.000 χ^2/NDF: 23.3/26



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:1807954.9/9

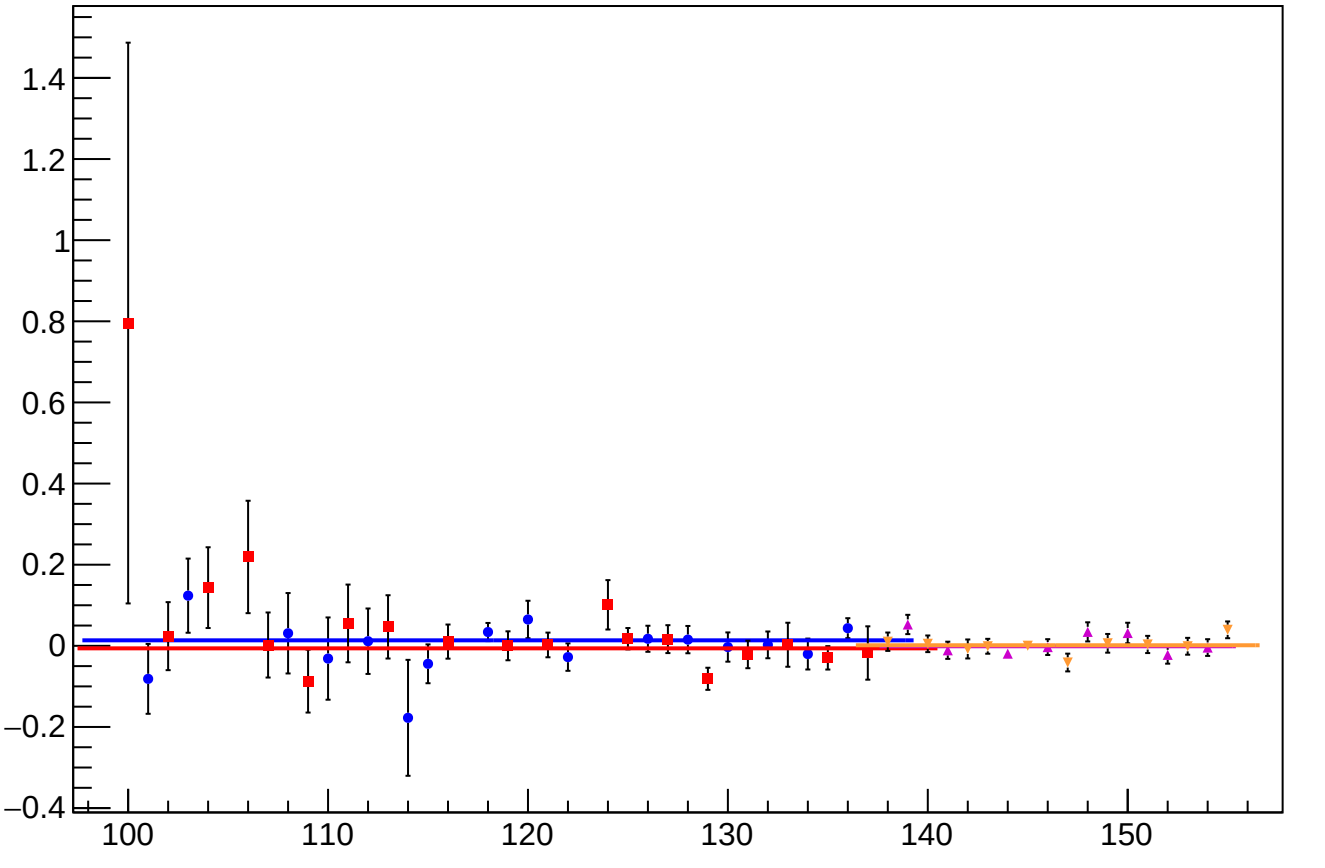
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7339633.3/7

+ sign 0.001+/-0.000 χ^2/NDF: 8864397.0/25

All: 0.001+/-0.000 χ^2/NDF: 31038834.6/52

- sign 0.000+/-0.000 χ^2/NDF: 17150598.6/26



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.006 χ^2/NDF:7.6/9

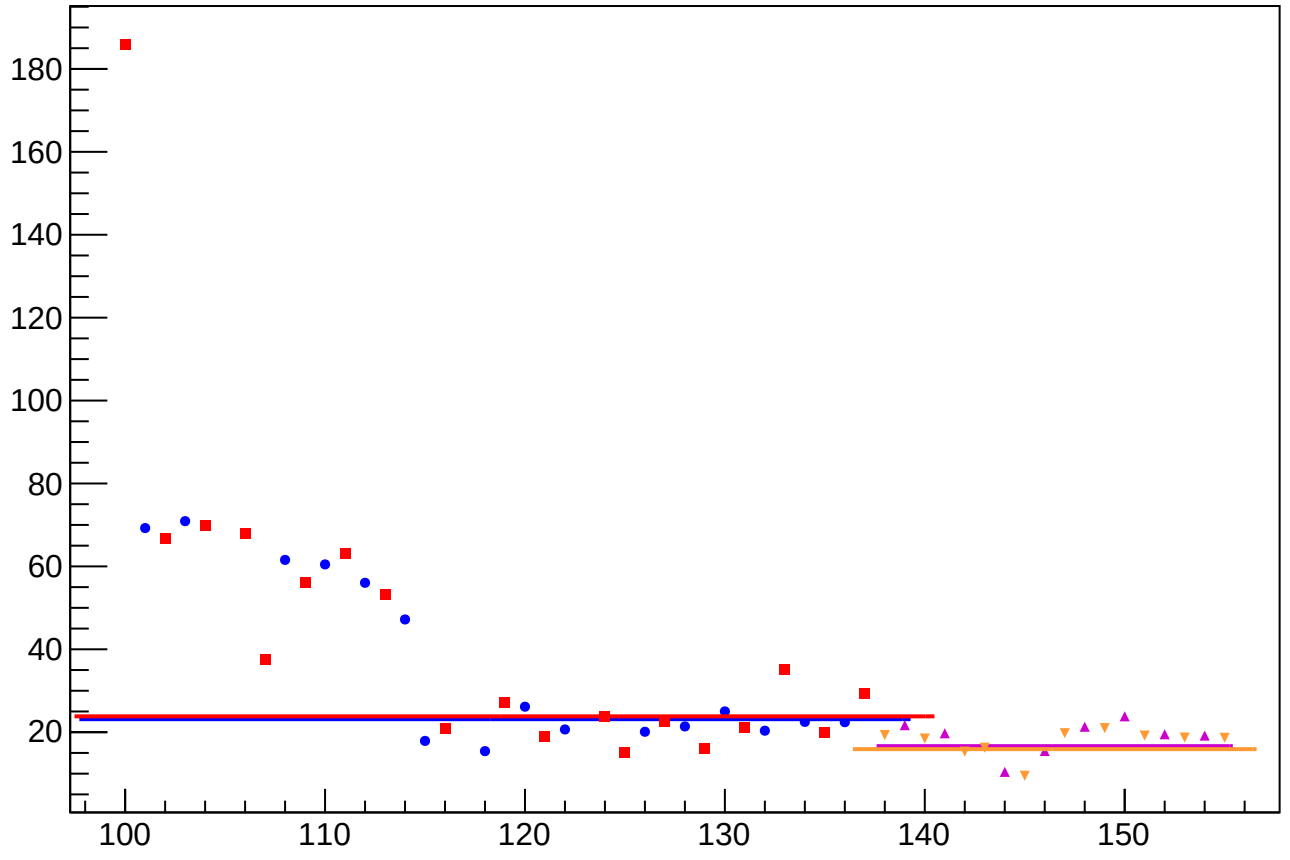
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.007 χ^2/NDF:12.6/7

+ sign 0.005+/-0.005 χ^2/NDF: 21.0/25

All: 0.001+/-0.004 χ^2/NDF: 56.2/52

- sign -0.003+/-0.006 χ^2/NDF: 34.3/26



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.916+/-0.004 χ^2/NDF:1000370.7/9

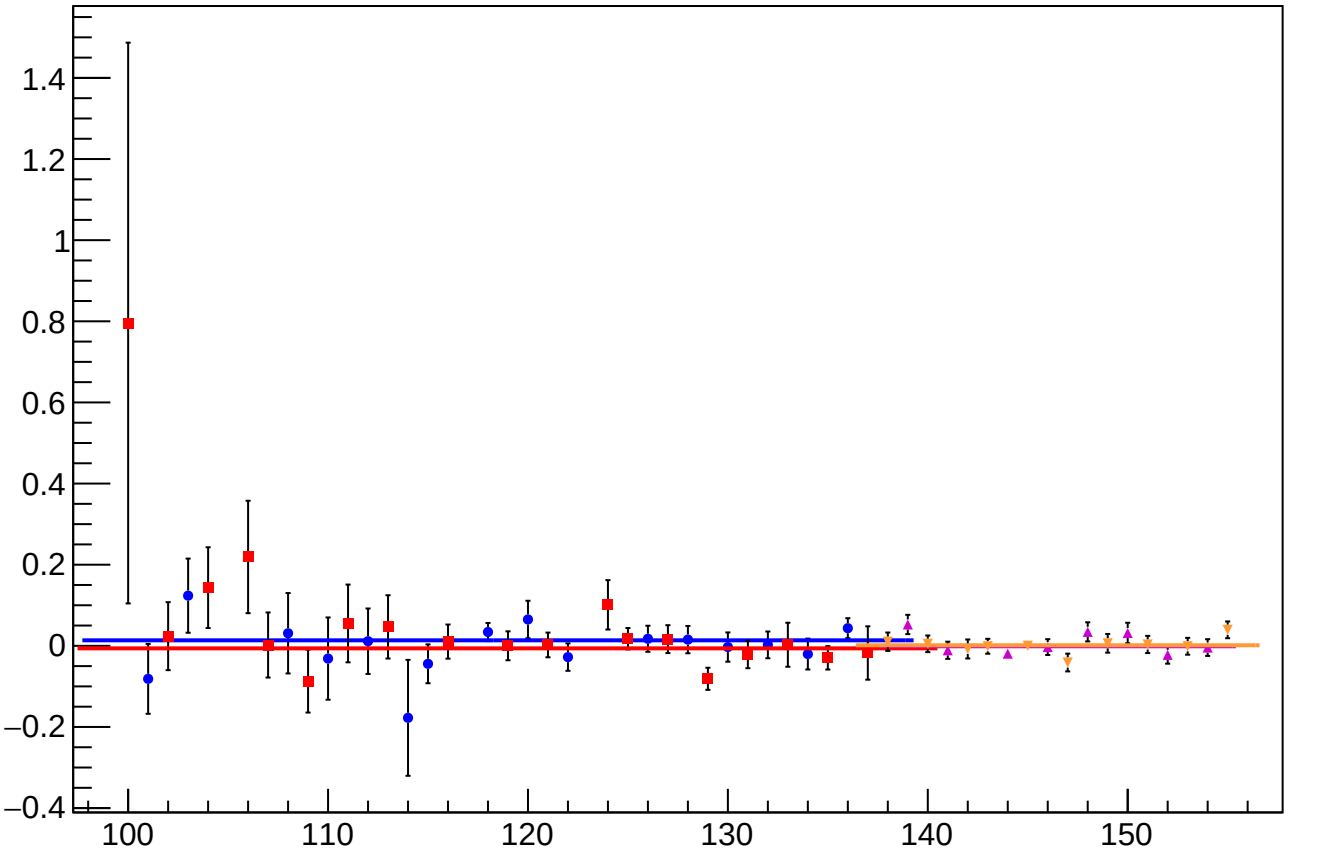
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.634+/-0.005 χ^2/NDF:1000608.9/7

+ sign 17.872+/-0.004 χ^2/NDF: 4192853.6/25

All: 18.331+/-0.003 χ^2/NDF: 8828536.3/52

- sign 18.885+/-0.004 χ^2/NDF: 4600316.3/26



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.006 χ^2/NDF:7.6/9

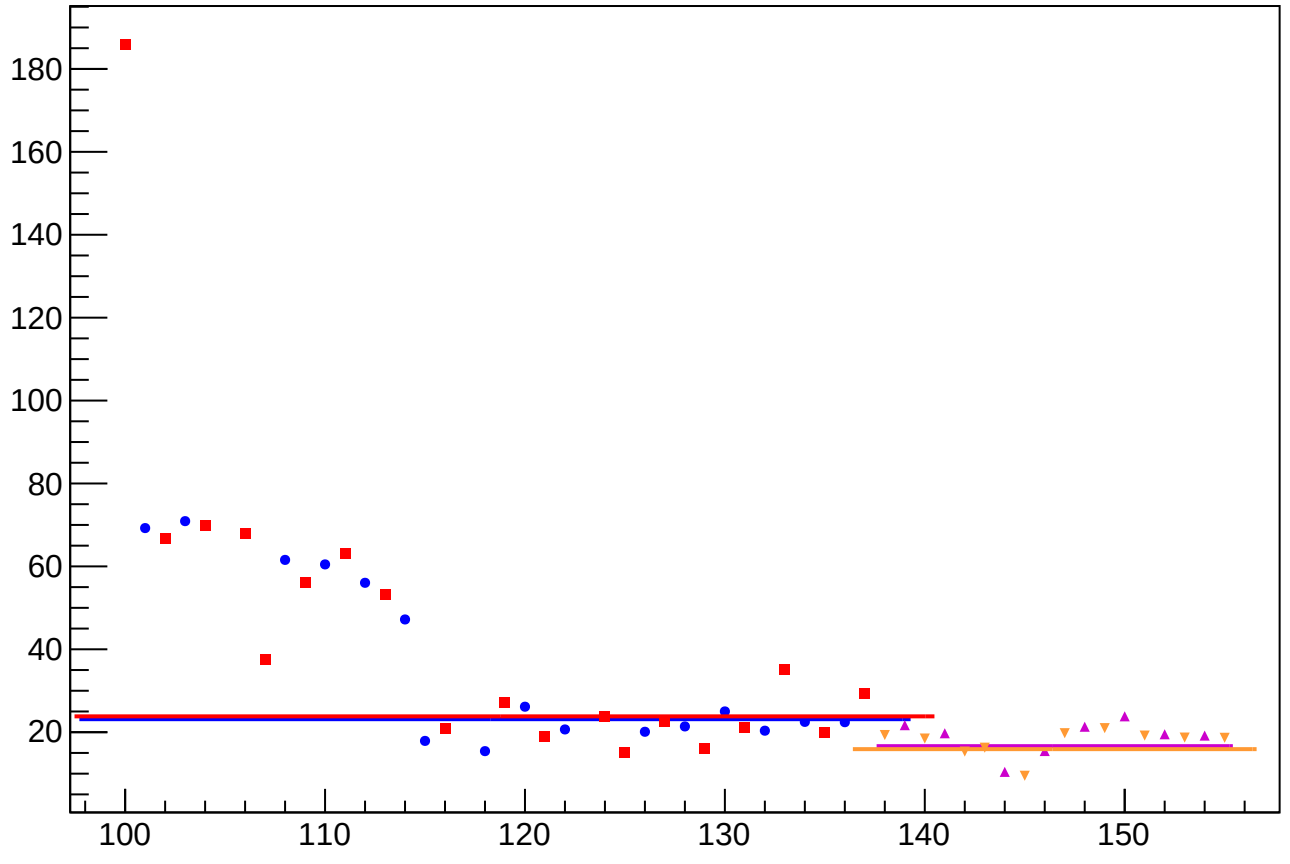
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.007 χ^2/NDF:12.6/7

+ sign 0.005+/-0.005 χ^2/NDF: 21.0/25

All: 0.001+/-0.004 χ^2/NDF: 56.2/52

- sign -0.003+/-0.006 χ^2/NDF: 34.3/26



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.916+/-0.004 χ^2/NDF:1000370.7/9

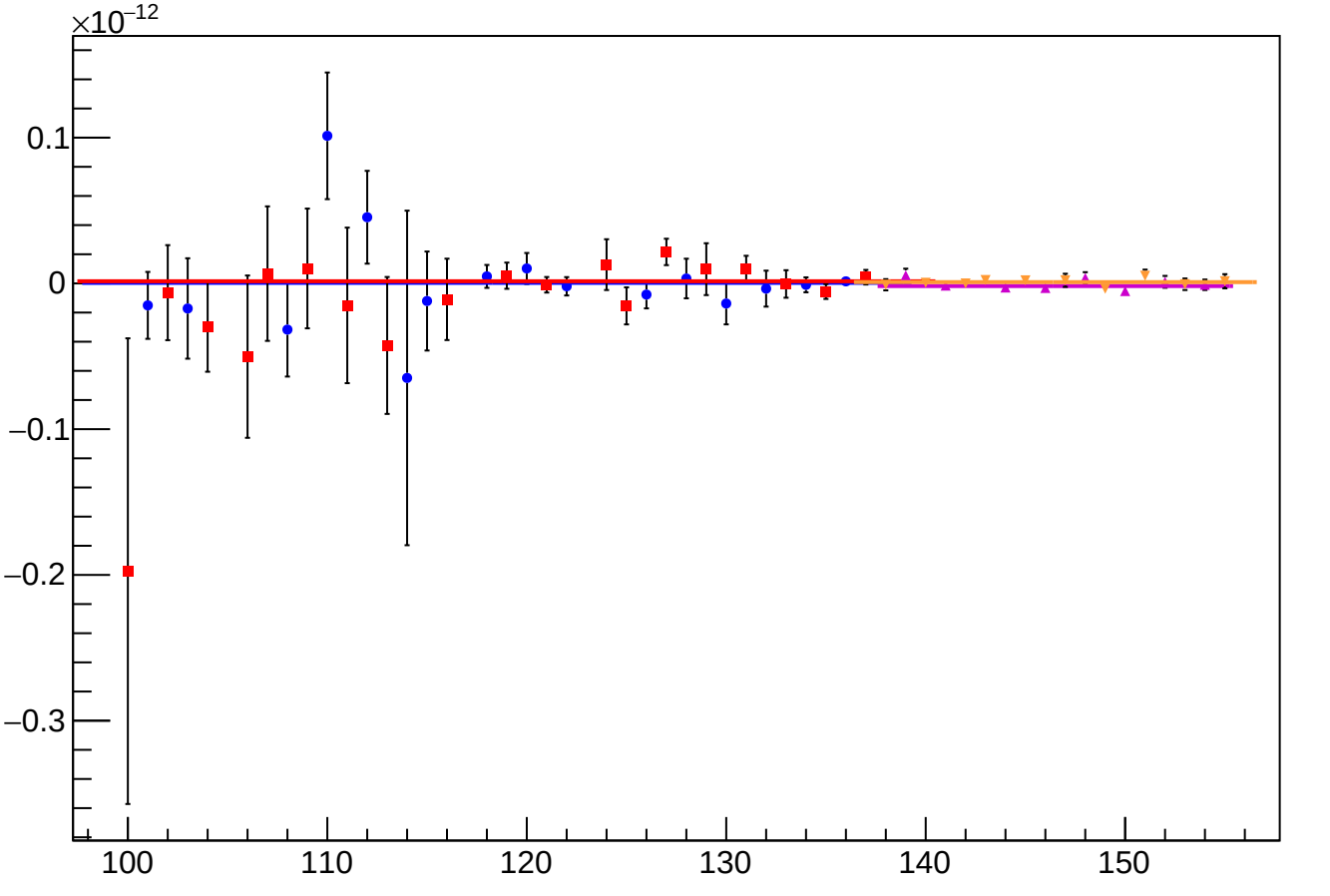
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.634+/-0.005 χ^2/NDF:1000608.9/7

+ sign 17.872+/-0.004 χ^2/NDF: 4192853.6/25

All: 18.331+/-0.003 χ^2/NDF: 8828536.3/52

- sign 18.885+/-0.004 χ^2/NDF: 4600316.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/9

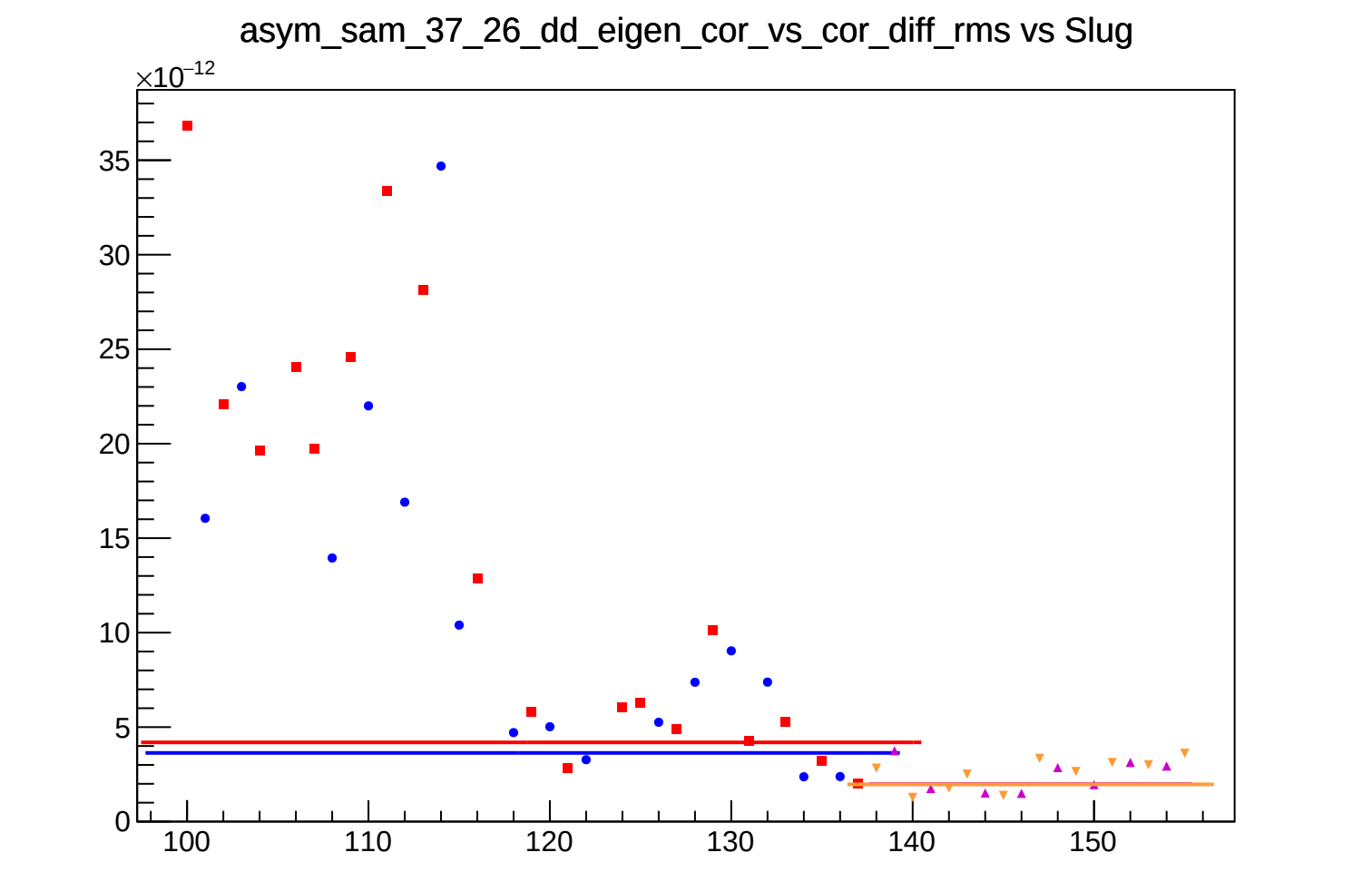
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/7

+ sign 0.000+/-0.000 χ^2/NDF: 17.0/25

All: -0.000+/-0.000 χ^2/NDF: 44.7/52

- sign -0.000+/-0.000 χ^2/NDF: 24.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1484126.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

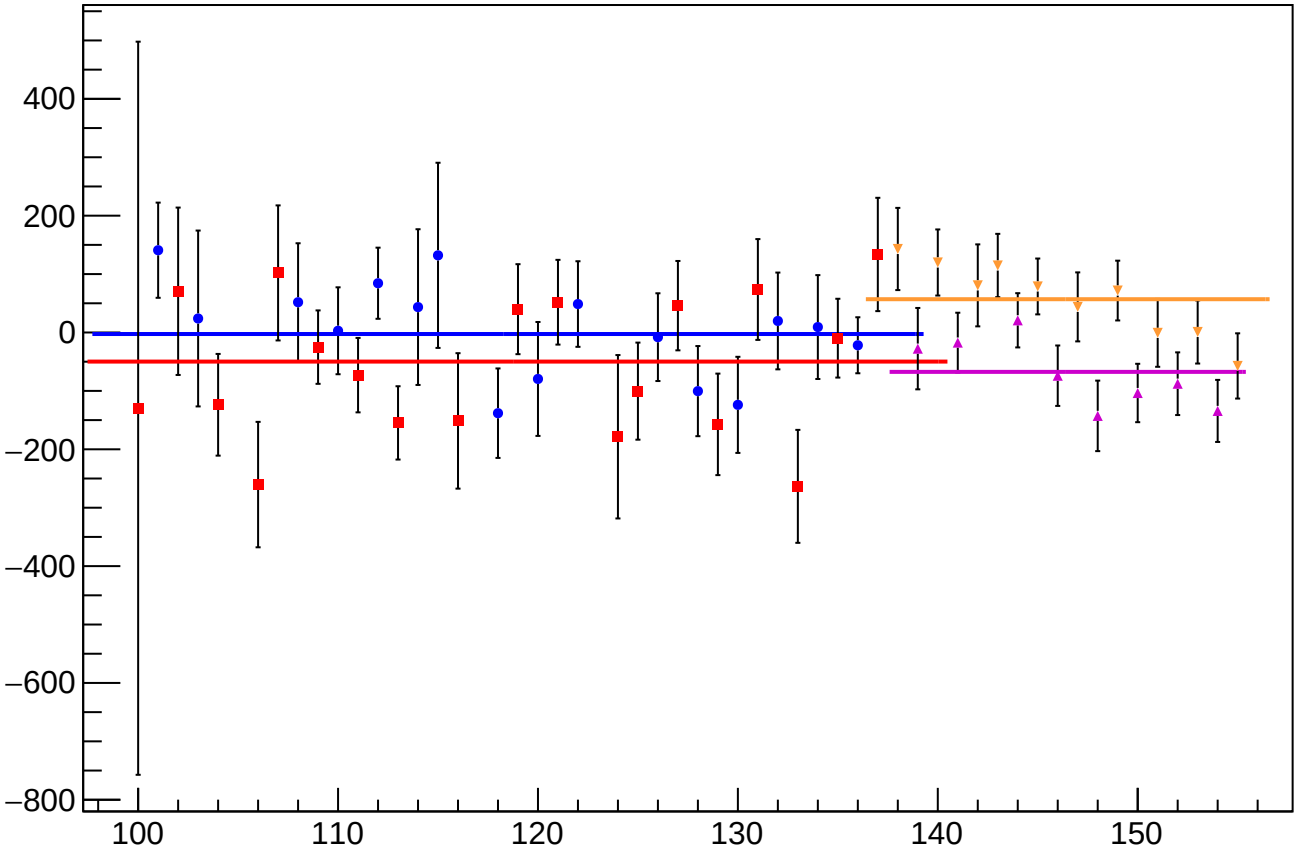
Left In: 0.000+/-0.000 χ^2/NDF:942304.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 6169266.1/25

All: 0.000+/-0.000 χ^2/NDF: 13069809.4/52

- sign 0.000+/-0.000 χ^2/NDF: 6895786.4/26

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 56.979+/-17.894 χ^2/NDF:10.6/9

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

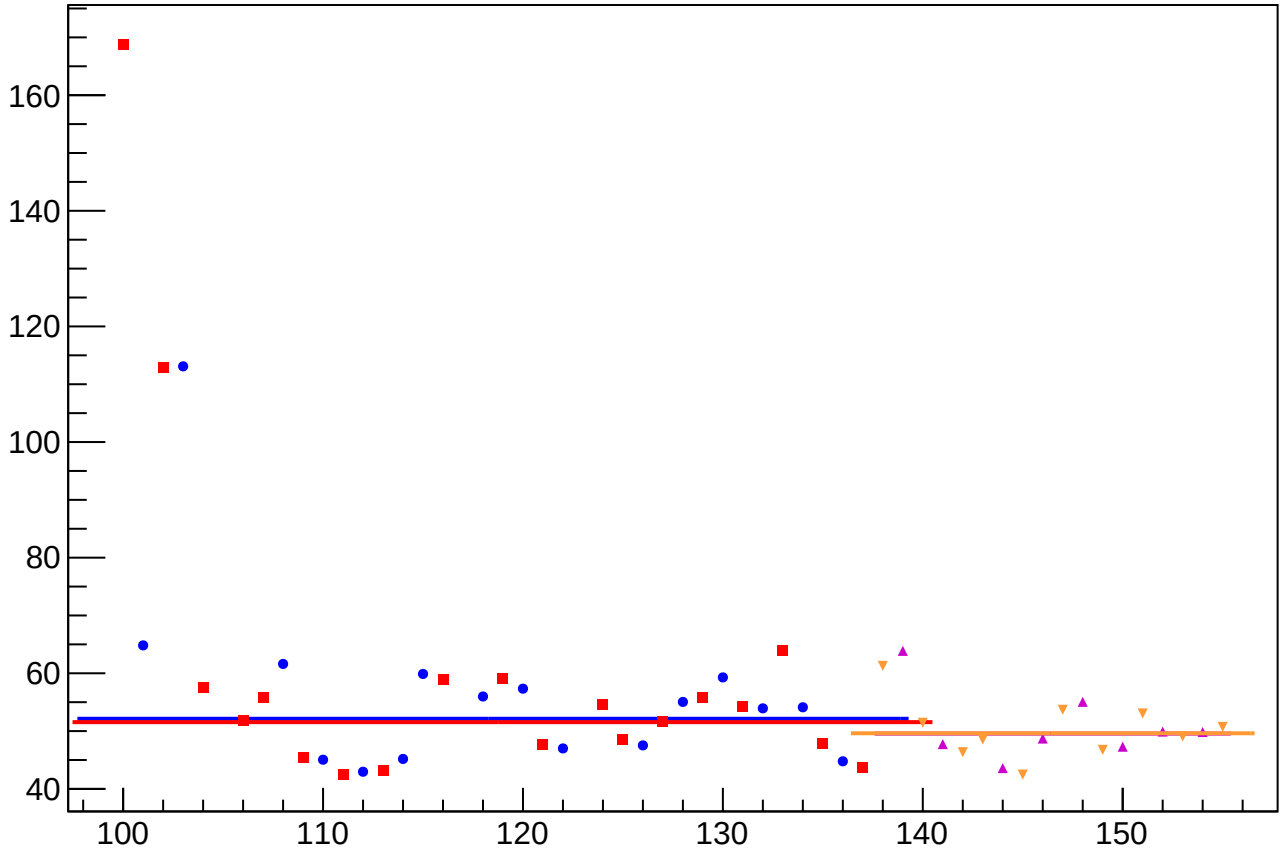
Left In: -67.430+/-18.889 χ^2/NDF:8.7/7

+ sign 30.476+/-13.334 χ^2/NDF: 30.1/25

All: -13.330+/-9.524 χ^2/NDF: 90.6/52

- sign -58.955+/-13.608 χ^2/NDF: 38.5/26

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.622+/-0.013 χ^2/NDF:130433.0/9

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

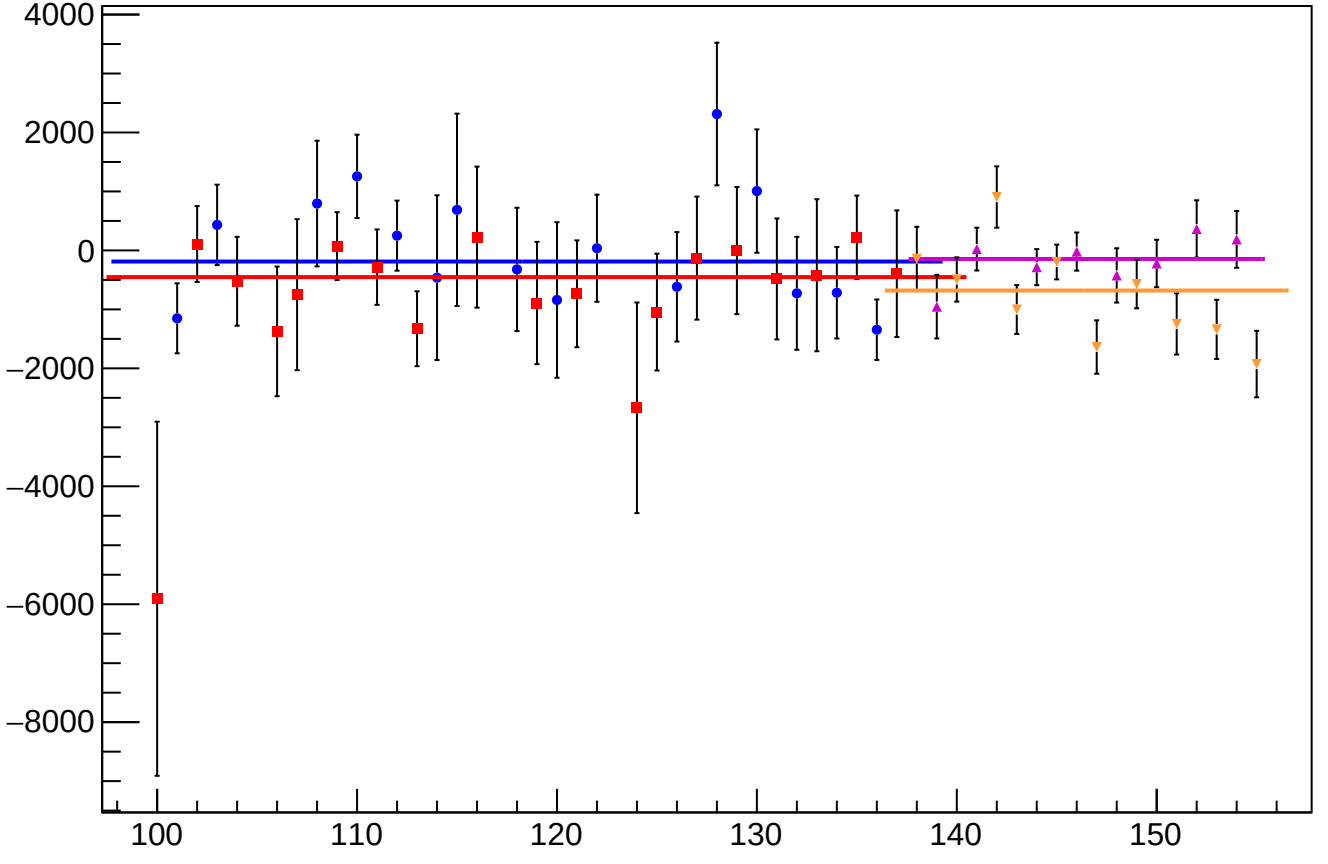
Left In: 49.566+/-0.013 χ^2/NDF:141352.8/7

+ sign 50.737+/-0.009 χ^2/NDF: 710796.8/25

All: 50.631+/-0.007 χ^2/NDF: 1502579.5/52

- sign 50.520+/-0.010 χ^2/NDF: 791524.5/26

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -679.744+/-137.195 χ^2/NDF:26.2/9

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

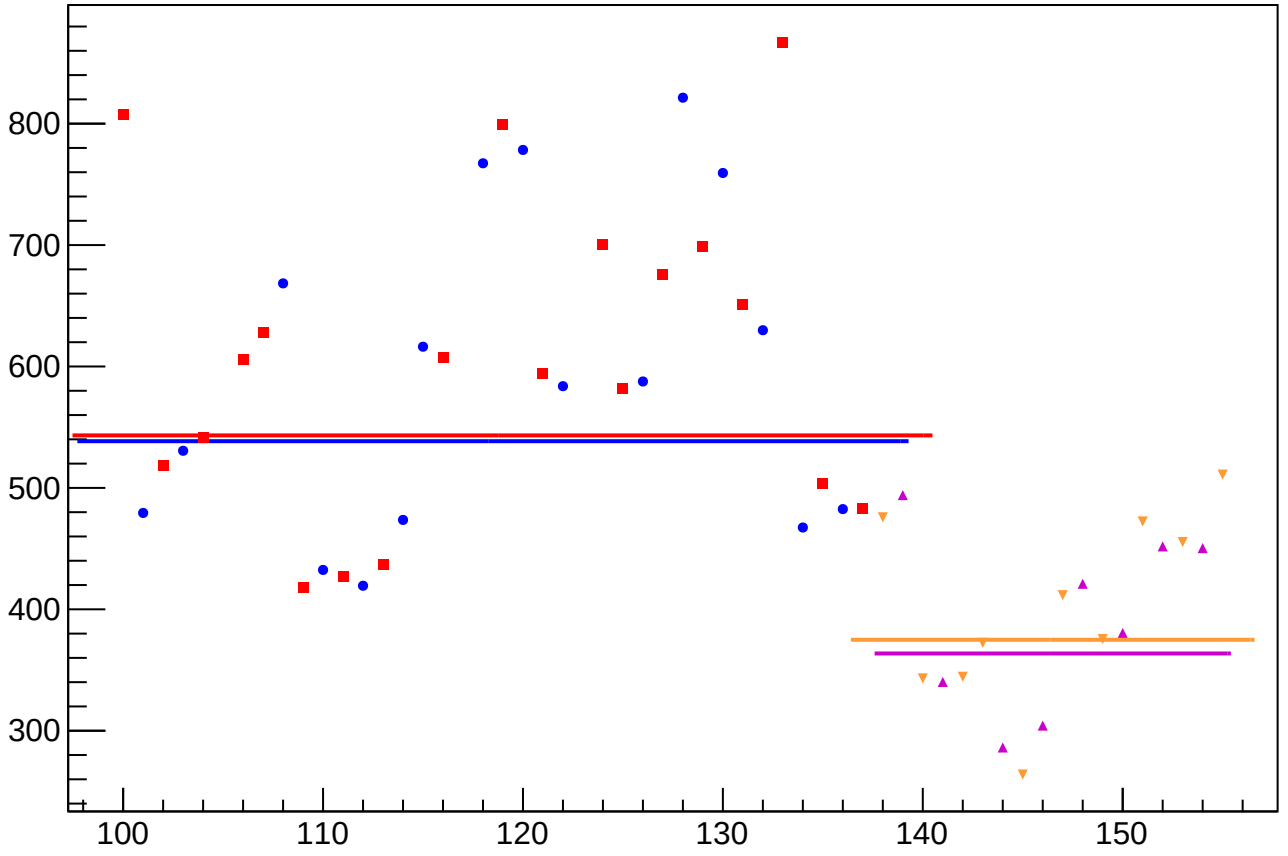
Left In: -145.121+/-140.421 χ^2/NDF:4.8/7

+ sign -528.630+/-114.156 χ^2/NDF: 51.5/25

All: -388.172+/-81.245 χ^2/NDF: 72.2/52

- sign -244.006+/-115.653 χ^2/NDF: 17.6/26

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 374.932+/-0.097 χ^2/NDF:624913.5/9

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

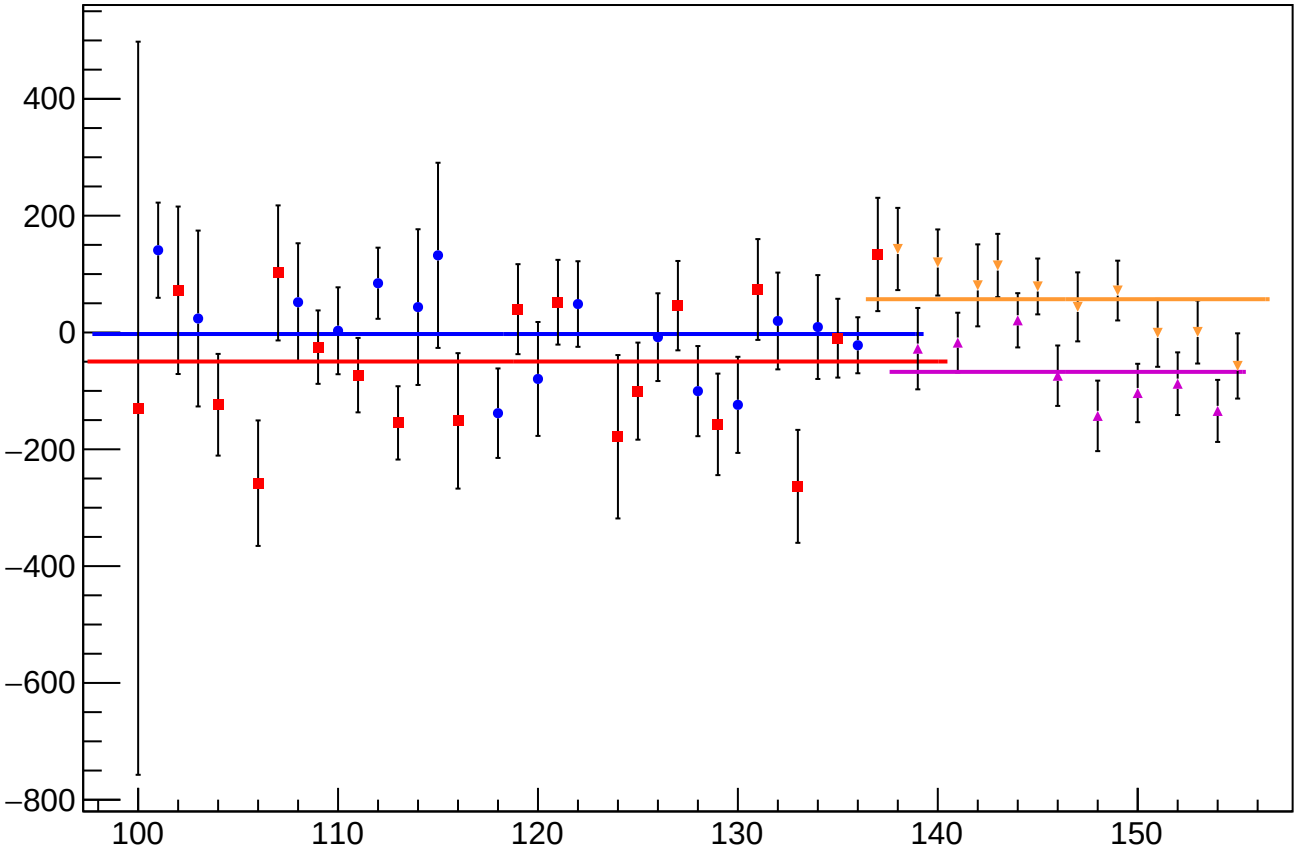
Left In: 363.634+/-0.099 χ^2/NDF:486431.1/7

+ sign 425.244+/-0.081 χ^2/NDF: 2113169.8/25

All: 423.351+/-0.057 χ^2/NDF: 4290309.0/52

- sign 421.408+/-0.082 χ^2/NDF: 2176024.2/26

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 56.982+/-17.894 χ^2/NDF:10.6/9

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

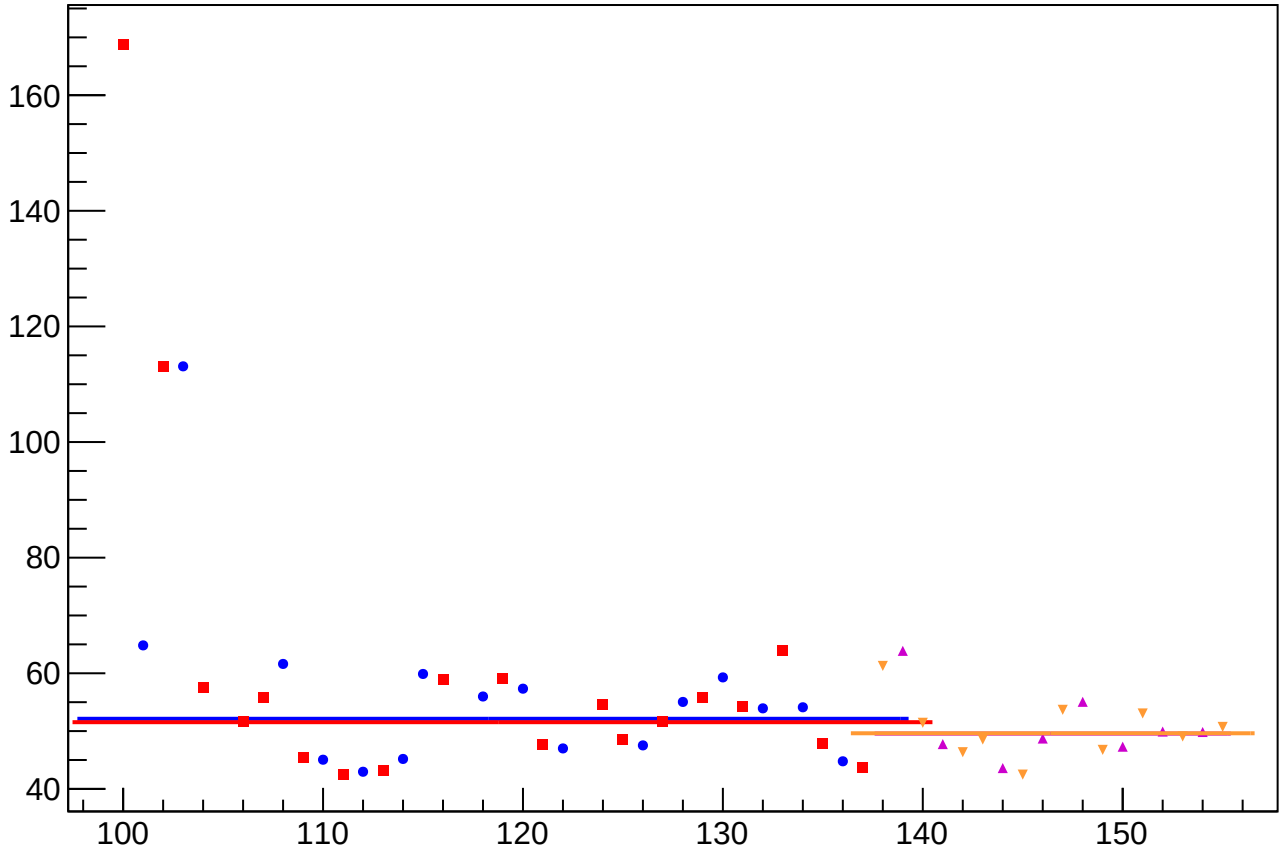
Left In: -67.429+/-18.889 χ^2/NDF:8.7/7

+ sign 30.476+/-13.334 χ^2/NDF: 30.1/25

All: -13.302+/-9.524 χ^2/NDF: 90.5/52

- sign -58.898+/-13.608 χ^2/NDF: 38.4/26

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.622+/-0.013 χ^2/NDF:130433.0/9

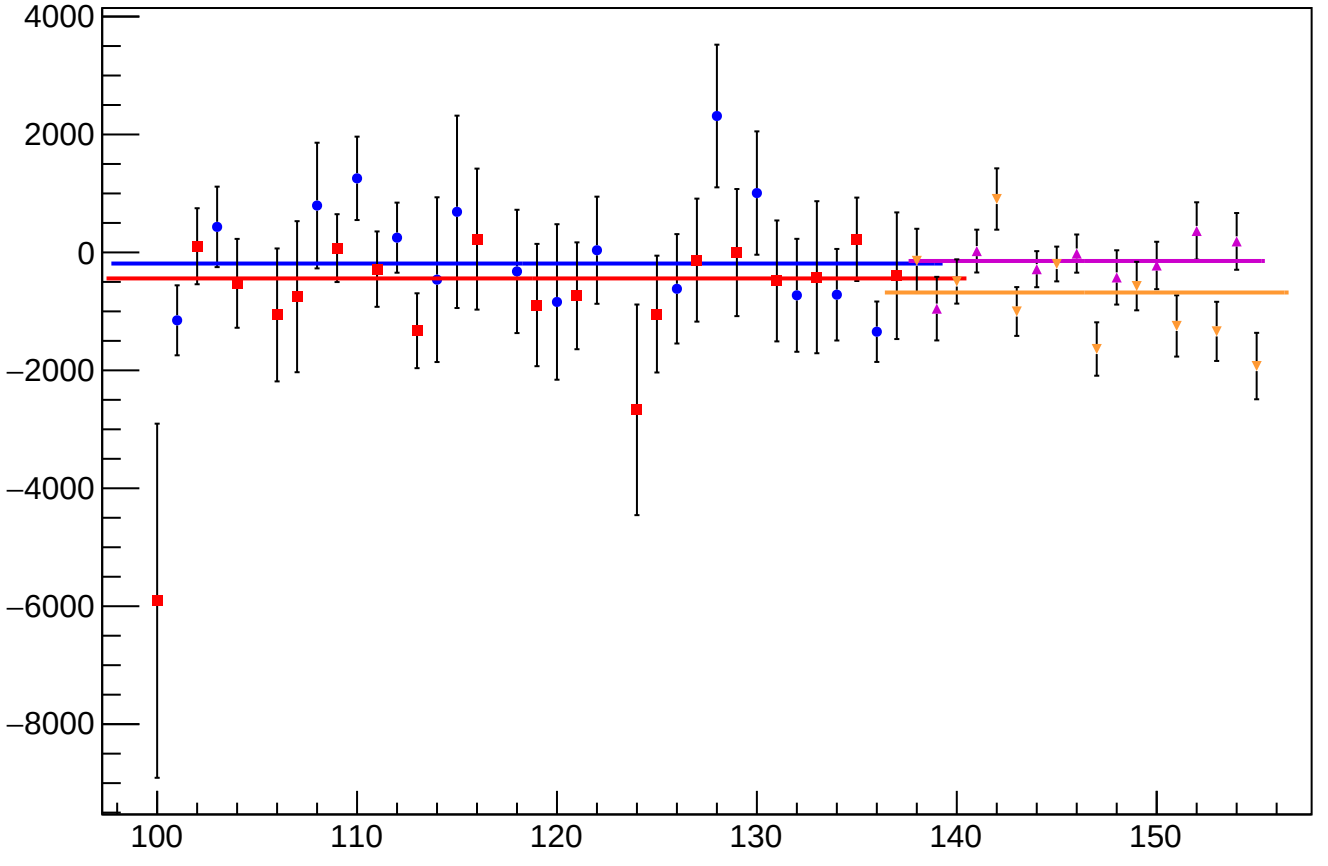
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.566+/-0.013 χ^2/NDF:141352.8/7

+ sign 50.737+/-0.009 χ^2/NDF: 710799.1/25

All: 50.628+/-0.007 χ^2/NDF: 1502703.4/52

- sign 50.515+/-0.010 χ^2/NDF: 791634.1/26



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -679.740+/-137.195 χ^2/NDF:26.2/9

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

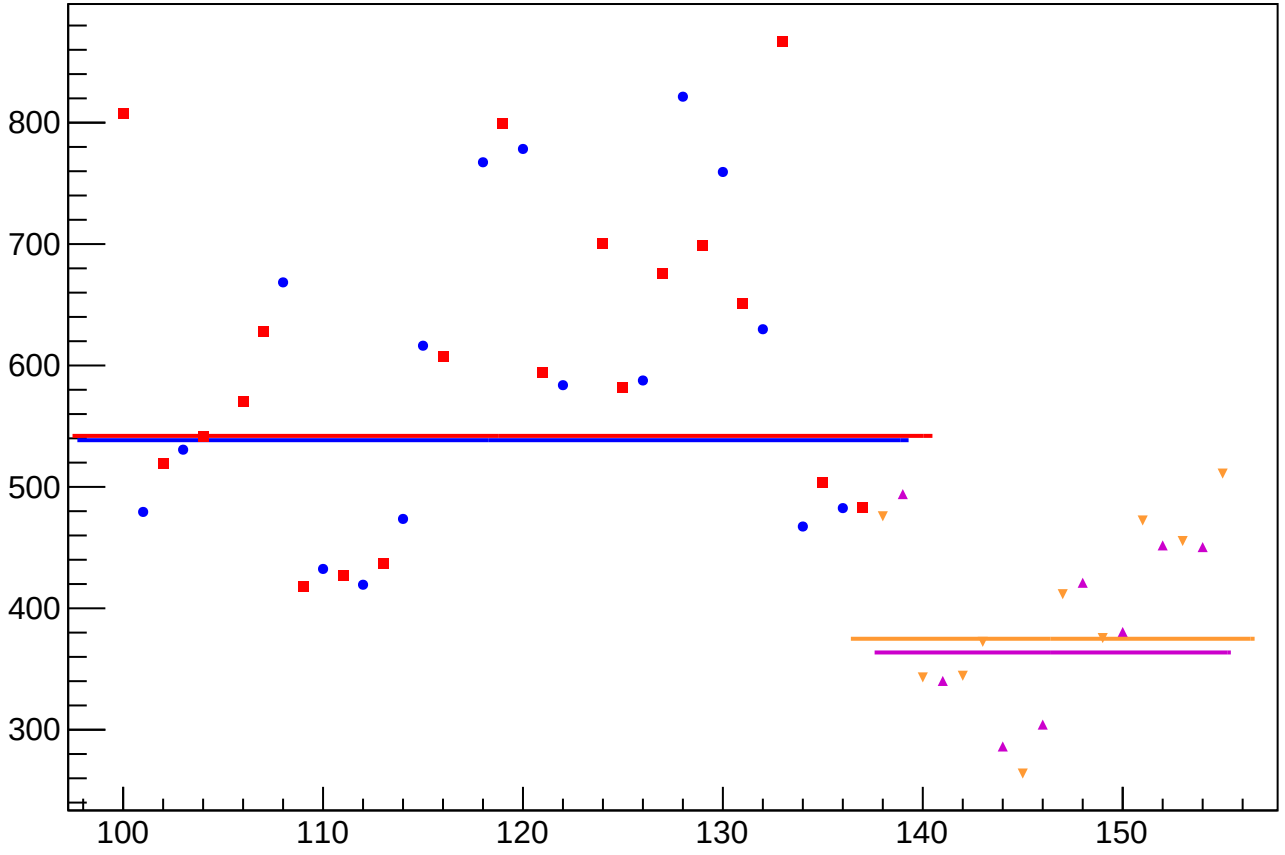
Left In: -145.123+/-140.421 χ^2/NDF:4.8/7

+ sign -528.623+/-114.156 χ^2/NDF: 51.5/25

All: -386.347+/-81.257 χ^2/NDF: 71.7/52

- sign -240.229+/-115.688 χ^2/NDF: 17.1/26

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 374.932+/-0.097 χ^2/NDF:624916.5/9

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

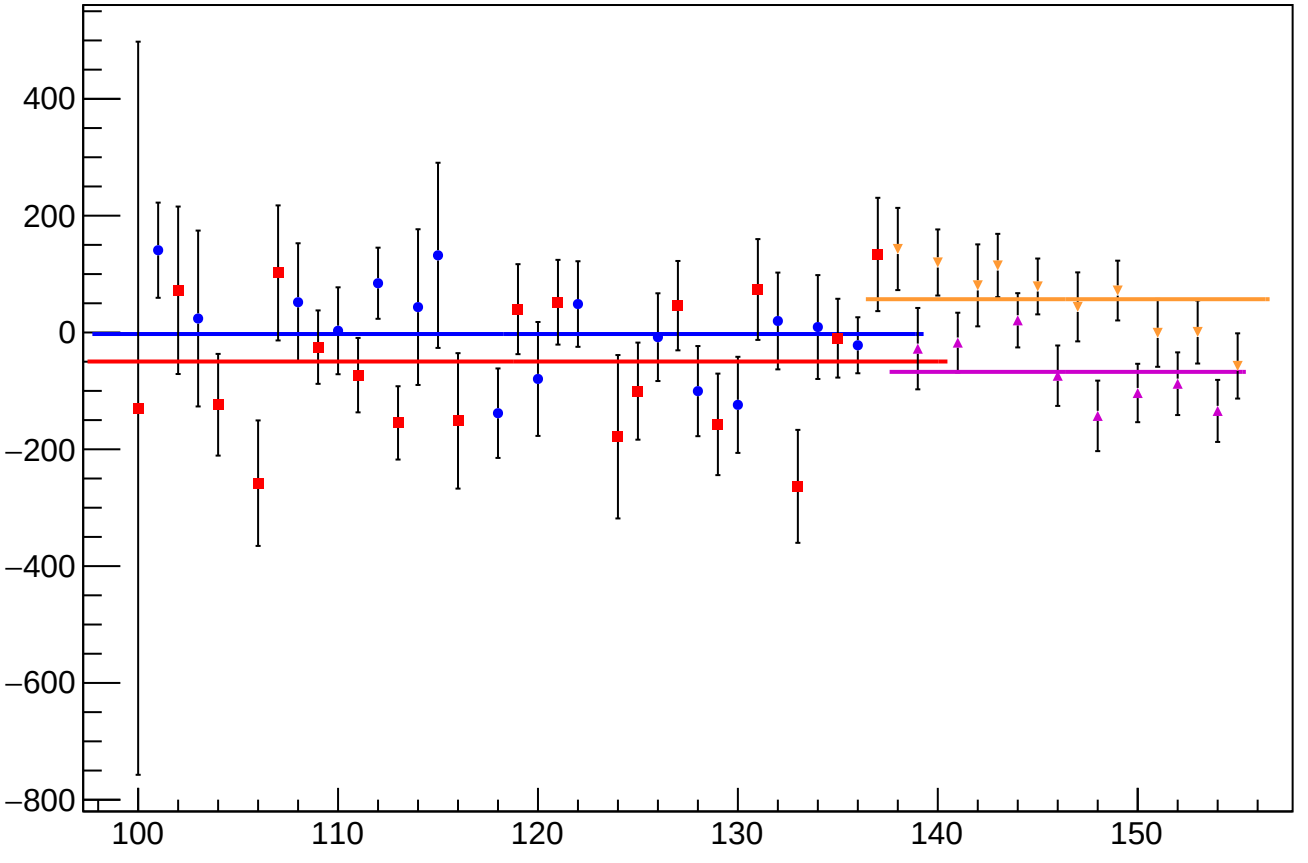
Left In: 363.634+/-0.099 χ^2/NDF:486430.7/7

+ sign 425.245+/-0.081 χ^2/NDF: 2113215.7/25

All: 423.123+/-0.057 χ^2/NDF: 4269545.2/52

- sign 420.943+/-0.082 χ^2/NDF: 2154927.9/26

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 56.982+/-17.894 χ^2/NDF:10.6/9

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

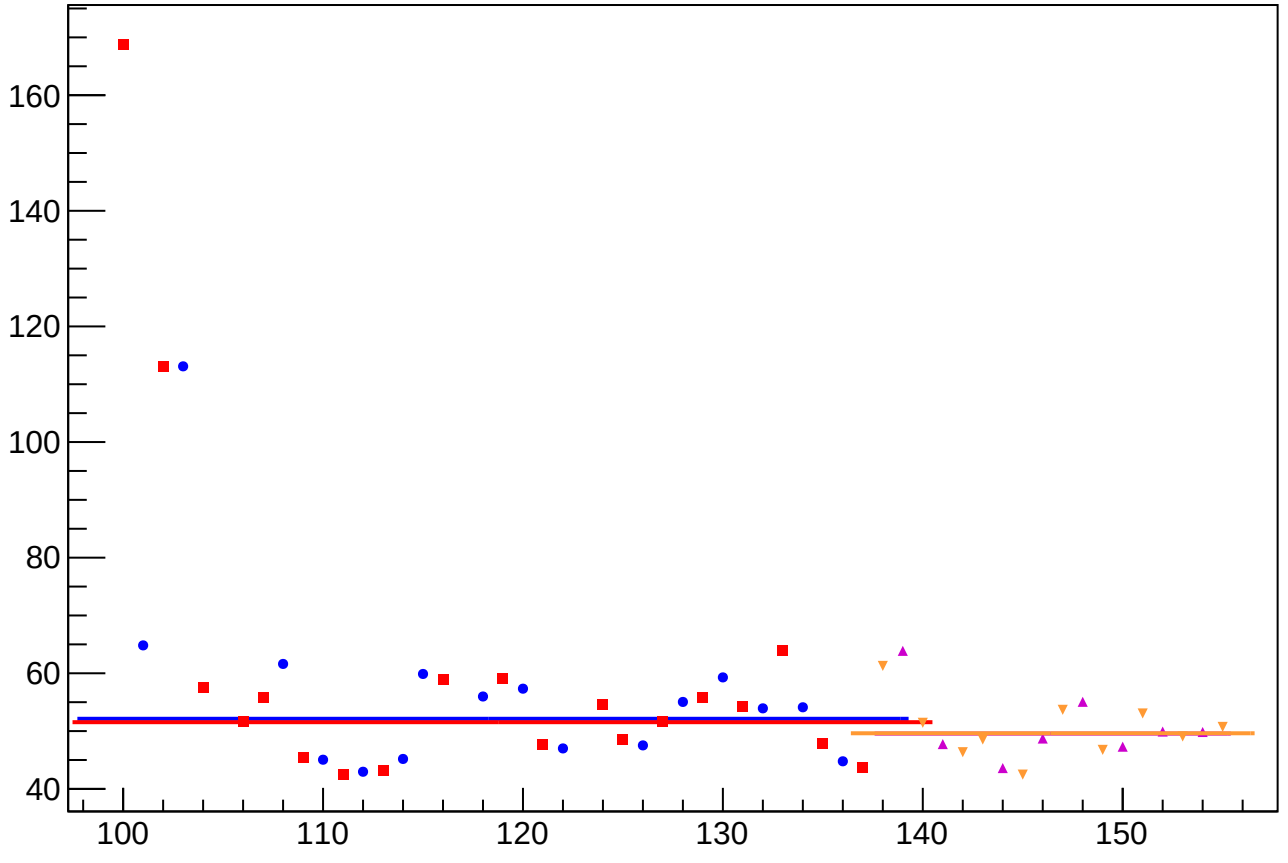
Left In: -67.429+/-18.889 χ^2/NDF:8.7/7

+ sign 30.476+/-13.334 χ^2/NDF: 30.1/25

All: -13.302+/-9.524 χ^2/NDF: 90.5/52

- sign -58.898+/-13.608 χ^2/NDF: 38.4/26

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.622+/-0.013 χ^2/NDF:130433.0/9

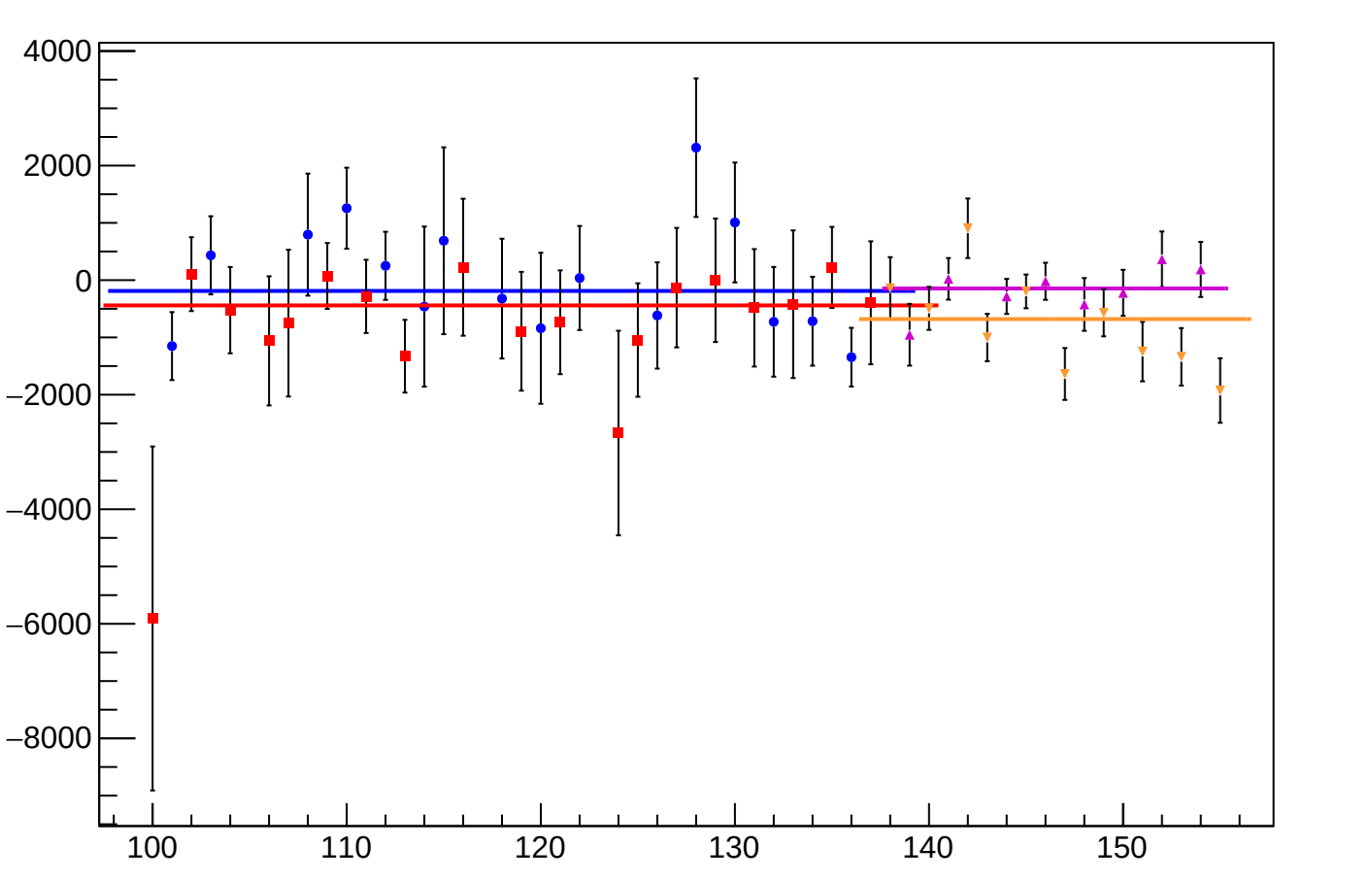
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.566+/-0.013 χ^2/NDF:141352.8/7

+ sign 50.737+/-0.009 χ^2/NDF: 710799.1/25

All: 50.628+/-0.007 χ^2/NDF: 1502703.4/52

- sign 50.515+/-0.010 χ^2/NDF: 791634.1/26



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -679.740+/-137.195 χ^2/NDF:26.2/9

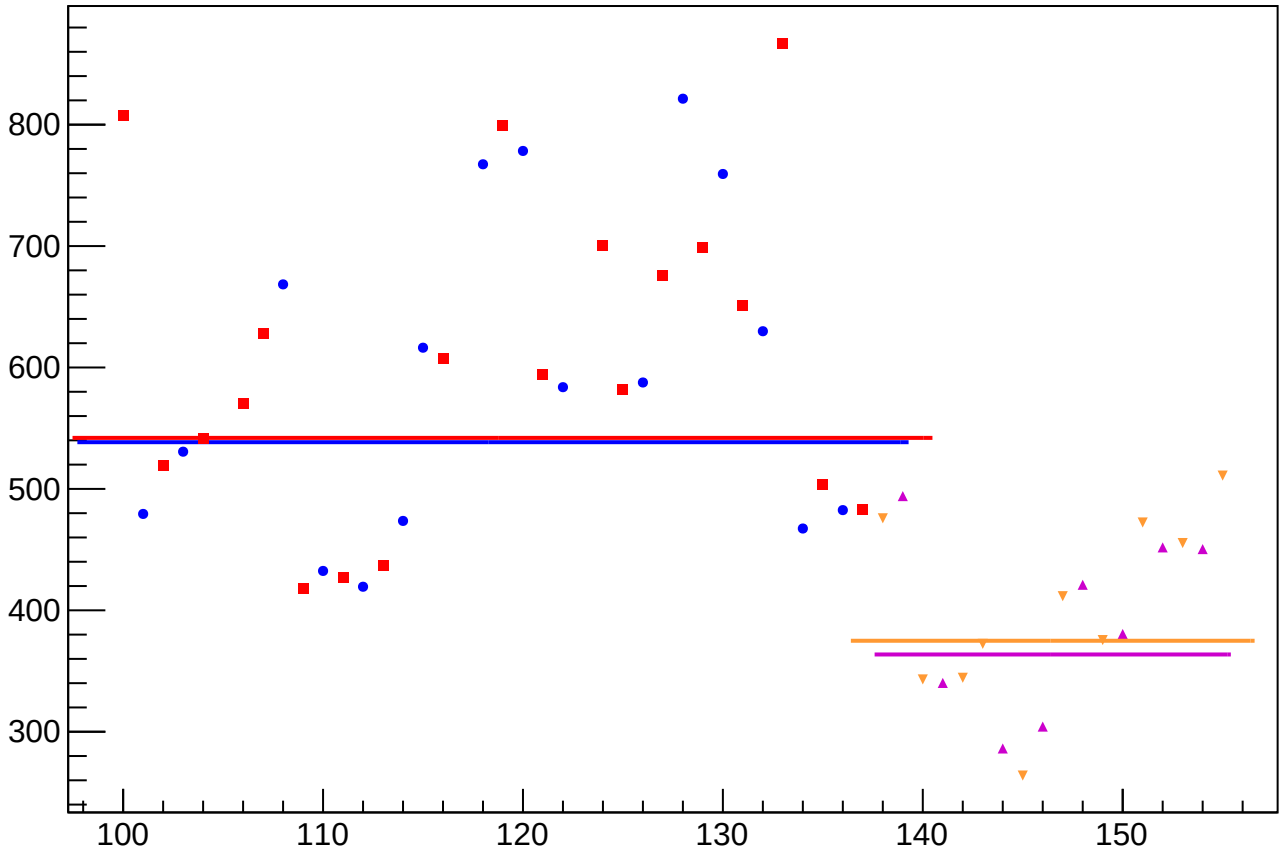
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -145.123+/-140.421 χ^2/NDF:4.8/7

+ sign -528.623+/-114.156 χ^2/NDF: 51.5/25

All: -386.347+/-81.257 χ^2/NDF: 71.7/52

- sign -240.229+/-115.688 χ^2/NDF: 17.1/26



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 374.932+/-0.097 χ^2/NDF:624916.5/9

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

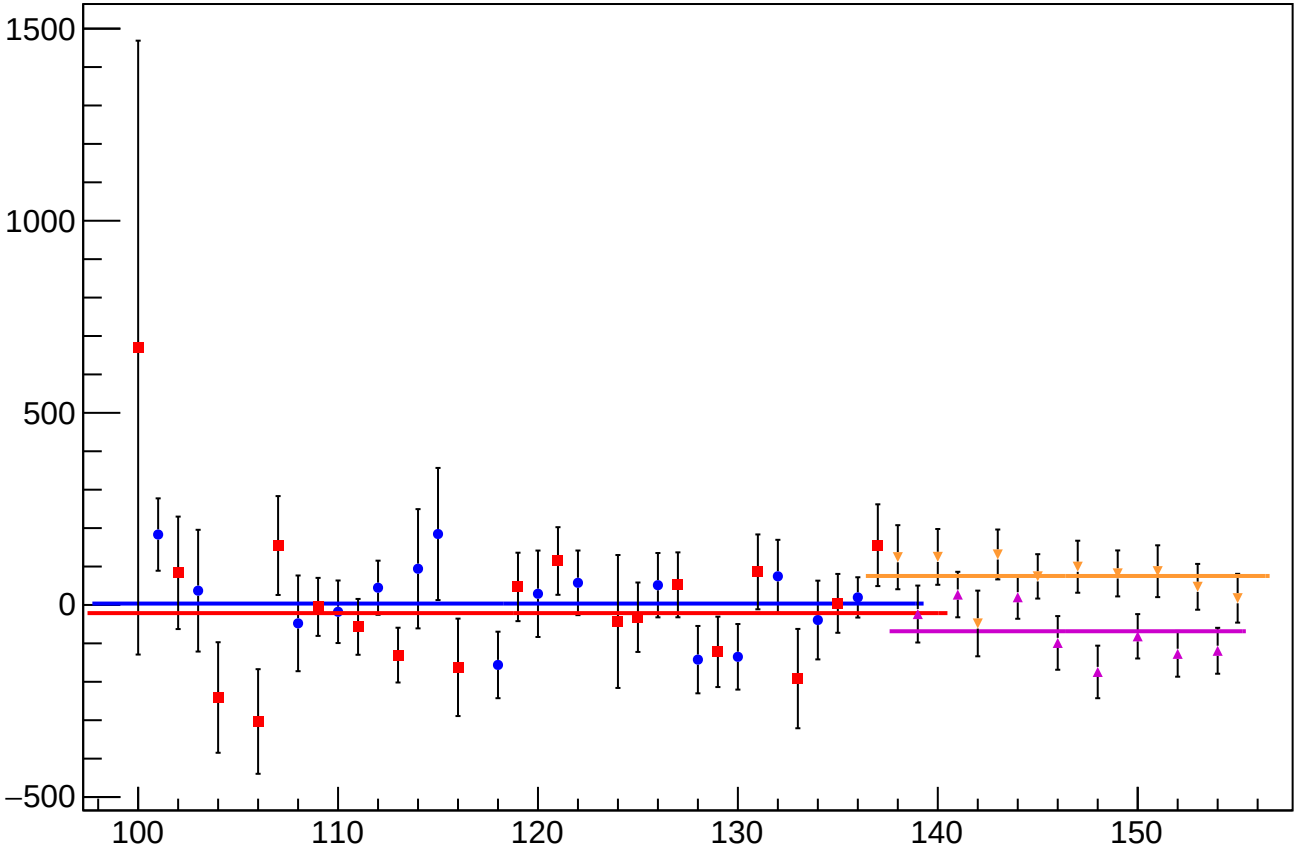
Left In: 363.634+/-0.099 χ^2/NDF:486430.7/7

+ sign 425.245+/-0.081 χ^2/NDF: 2113215.7/25

All: 423.123+/-0.057 χ^2/NDF: 4269545.2/52

- sign 420.943+/-0.082 χ^2/NDF: 2154927.9/26

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 75.417+/-21.064 χ^2/NDF:4.9/9

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

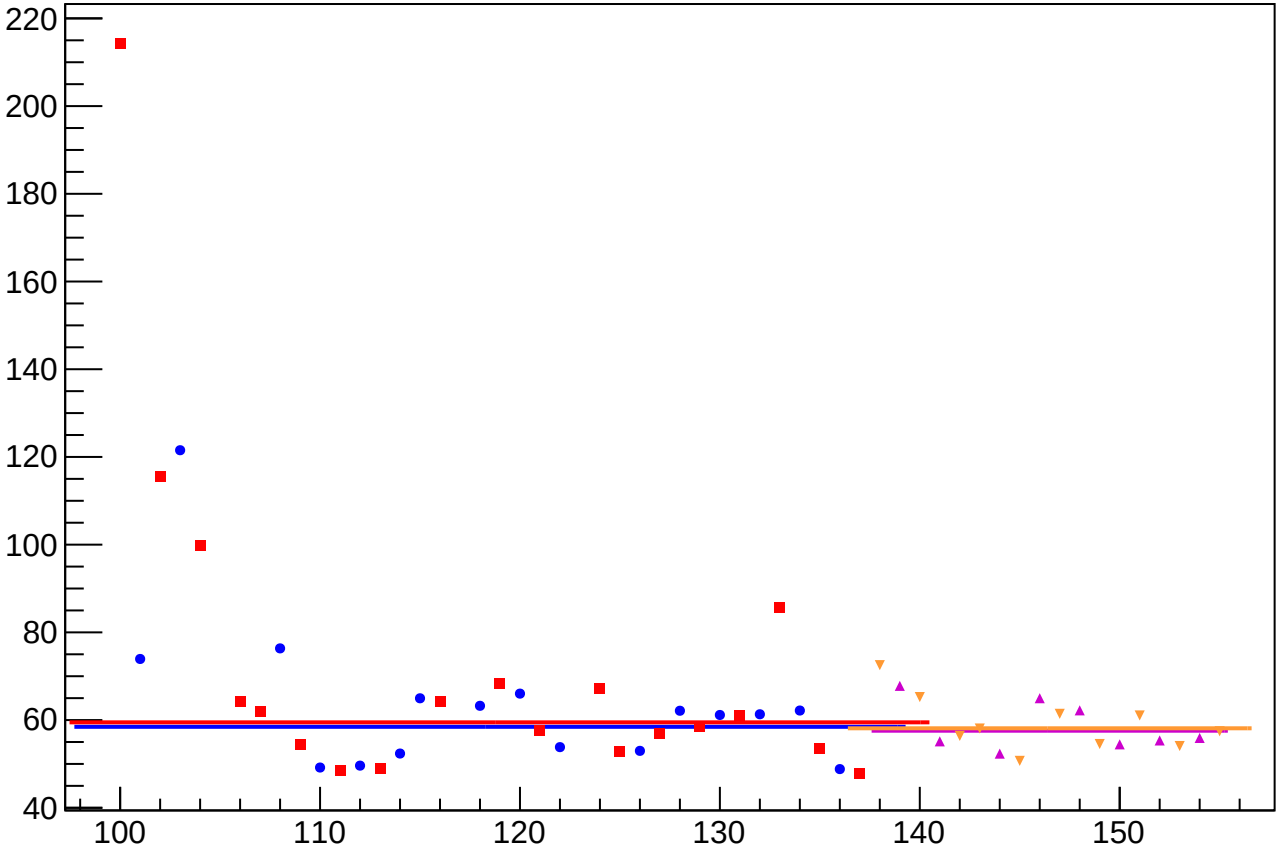
Left In: -68.464+/-22.003 χ^2/NDF:9.8/7

+ sign 41.841+/-15.371 χ^2/NDF: 26.5/25

All: -0.645+/-11.025 χ^2/NDF: 78.6/52

- sign -45.665+/-15.822 χ^2/NDF: 36.4/26

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 58.126+/-0.015 χ^2/NDF:137874.0/9

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

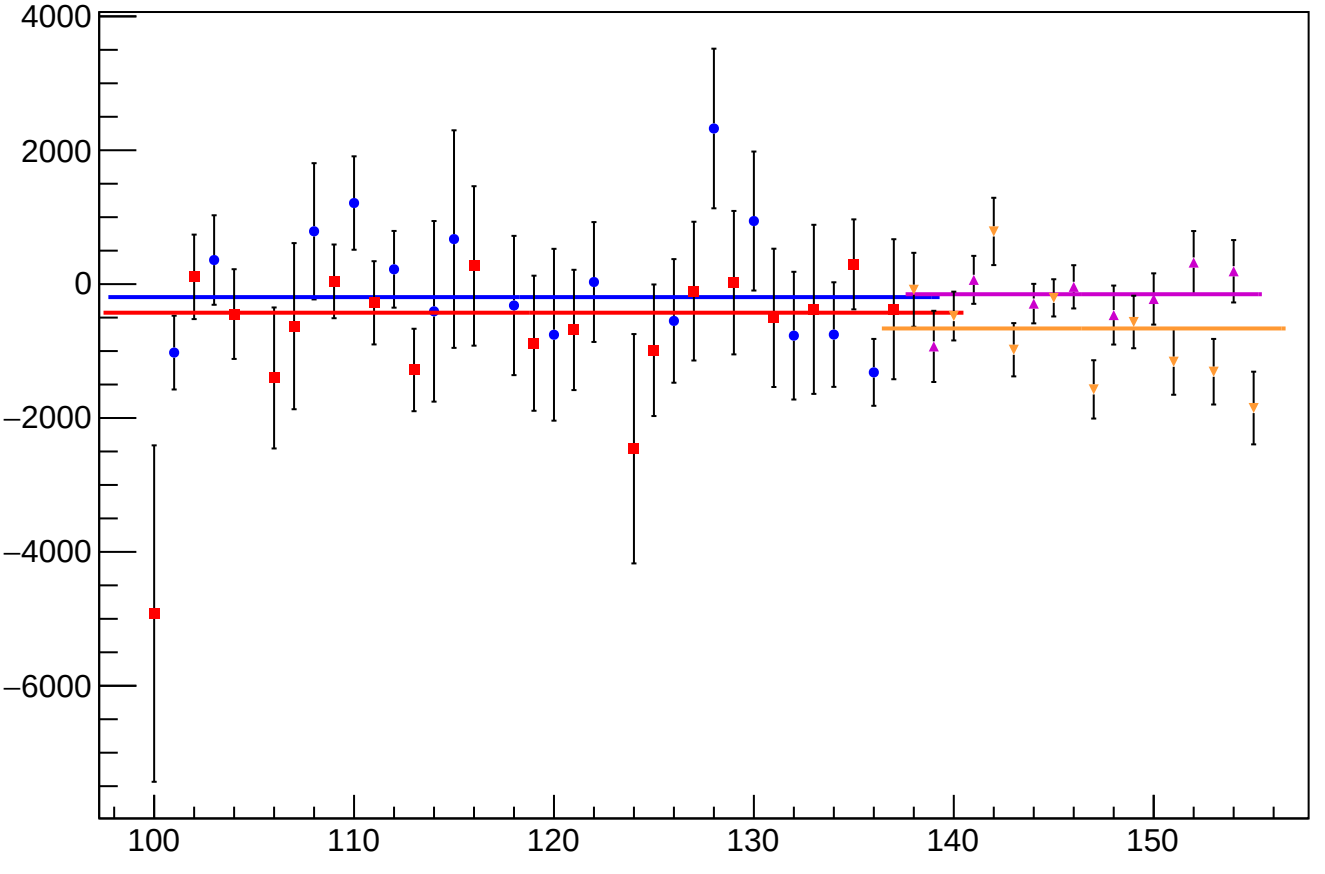
Left In: 57.578+/-0.016 χ^2/NDF:100643.1/7

+ sign 58.285+/-0.011 χ^2/NDF: 721100.9/25

All: 58.388+/-0.008 χ^2/NDF: 1614061.3/52

- sign 58.498+/-0.011 χ^2/NDF: 892773.0/26

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -662.426+/-131.926 χ^2/NDF:25.0/9

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

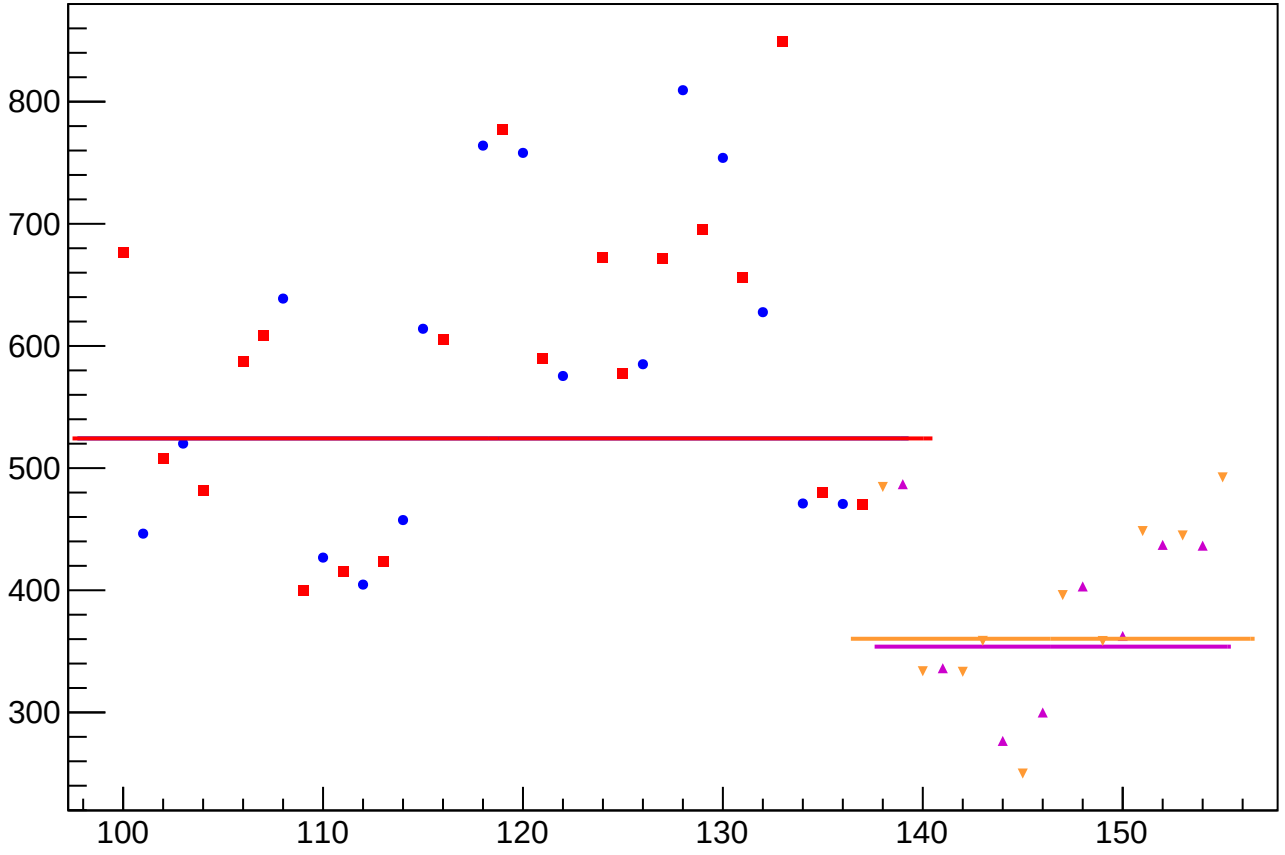
Left In: -150.903+/-136.730 χ^2/NDF:4.9/7

+ sign -520.969+/-110.226 χ^2/NDF: 49.6/25

All: -383.457+/-78.674 χ^2/NDF: 70.3/52

- sign -240.654+/-112.327 χ^2/NDF: 17.6/26

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 360.304+/-0.093 χ^2/NDF:688105.7/9

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

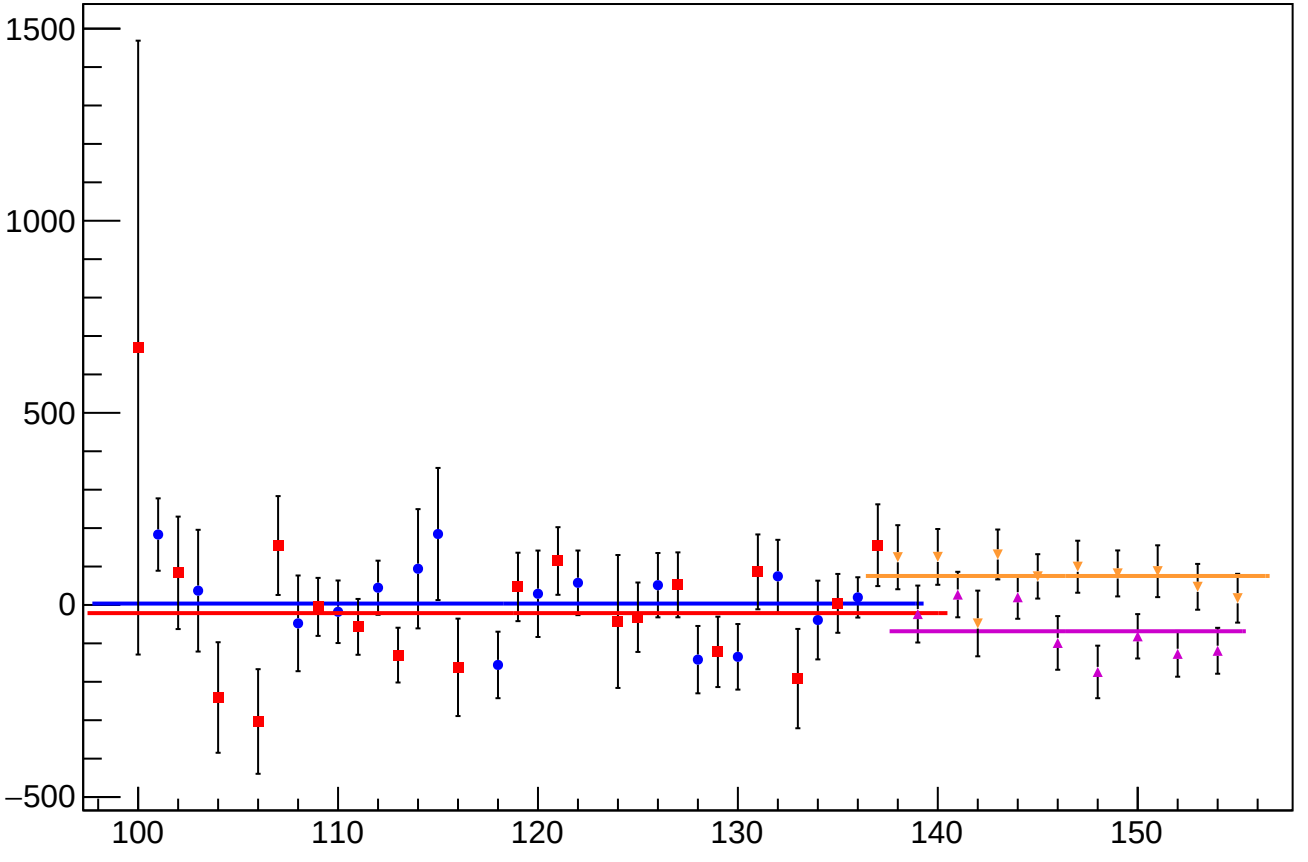
Left In: 353.855+/-0.097 χ^2/NDF:474214.1/7

\+ sign 409.825+/-0.078 χ^2/NDF: 2279985.5/25

All: 409.552+/-0.056 χ^2/NDF: 4450747.4/52

\- sign 409.268+/-0.079 χ^2/NDF: 2170736.8/26

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 75.418+/-21.064 χ^2/NDF:4.9/9

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

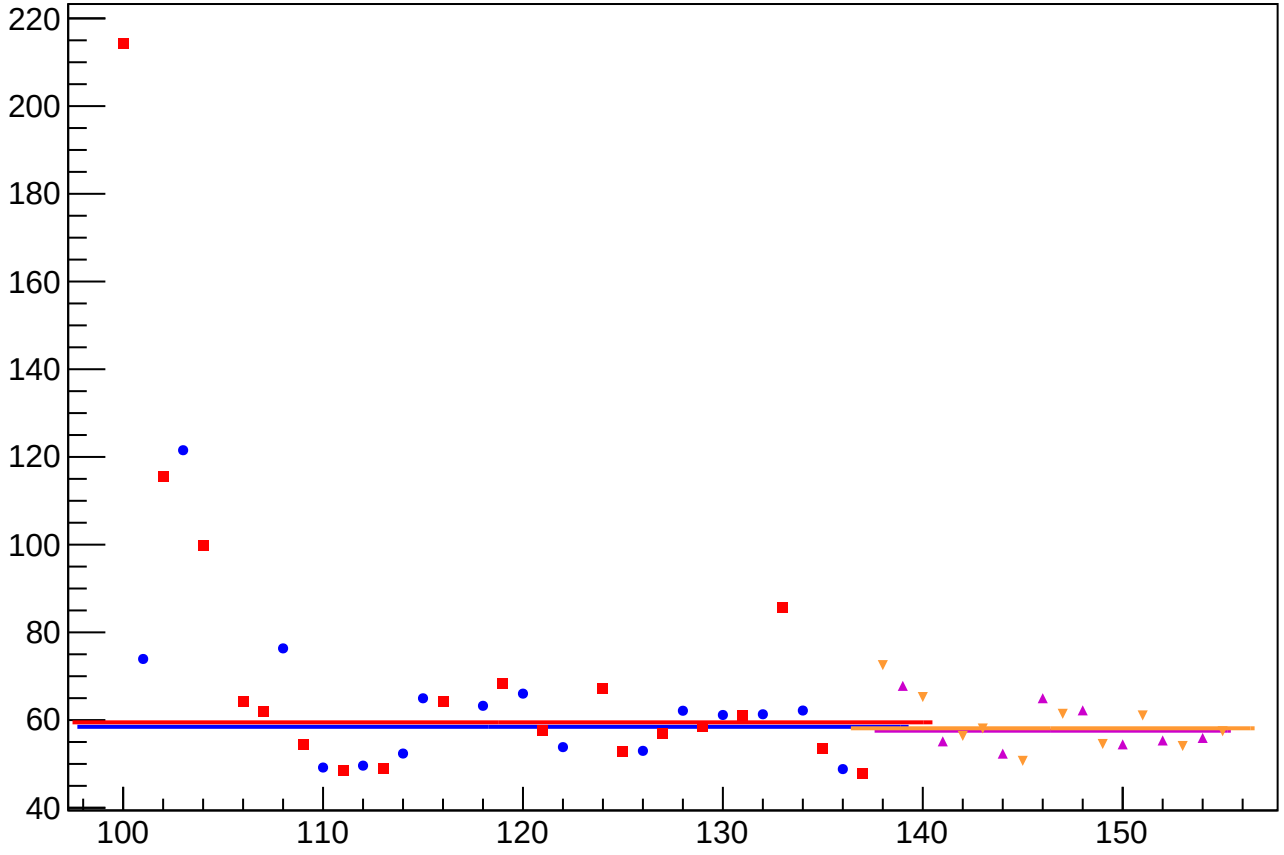
Left In: -68.464+/-22.003 χ^2/NDF:9.8/7

+ sign 41.841+/-15.371 χ^2/NDF: 26.5/25

All: -0.645+/-11.025 χ^2/NDF: 78.6/52

- sign -45.664+/-15.822 χ^2/NDF: 36.4/26

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 58.126+/-0.015 χ^2/NDF:137874.1/9

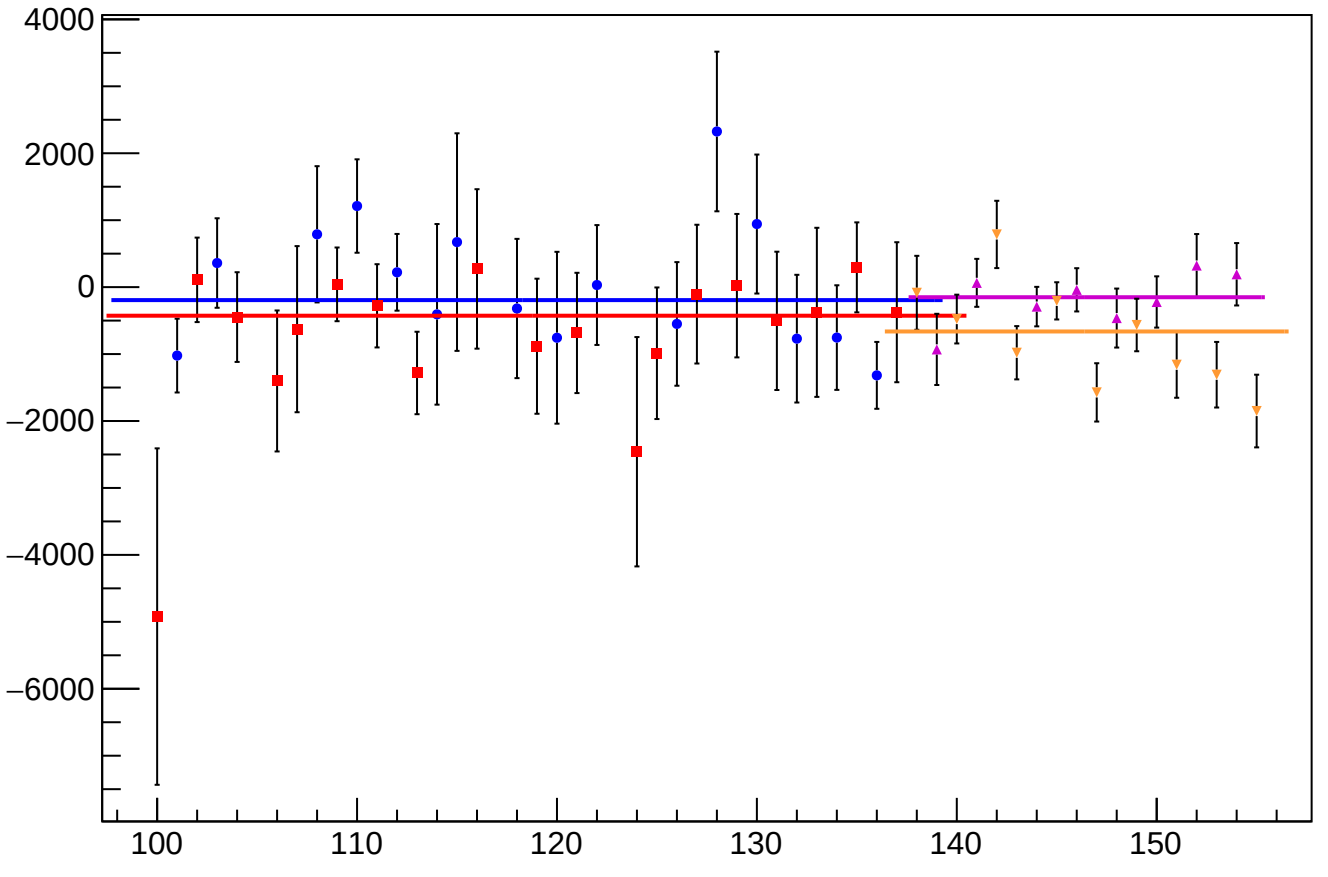
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.578+/-0.016 χ^2/NDF:100641.2/7

+ sign 58.285+/-0.011 χ^2/NDF: 721097.1/25

All: 58.389+/-0.008 χ^2/NDF: 1614054.7/52

- sign 58.499+/-0.011 χ^2/NDF: 892770.2/26



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -662.426+/-131.926 χ^2/NDF:25.0/9

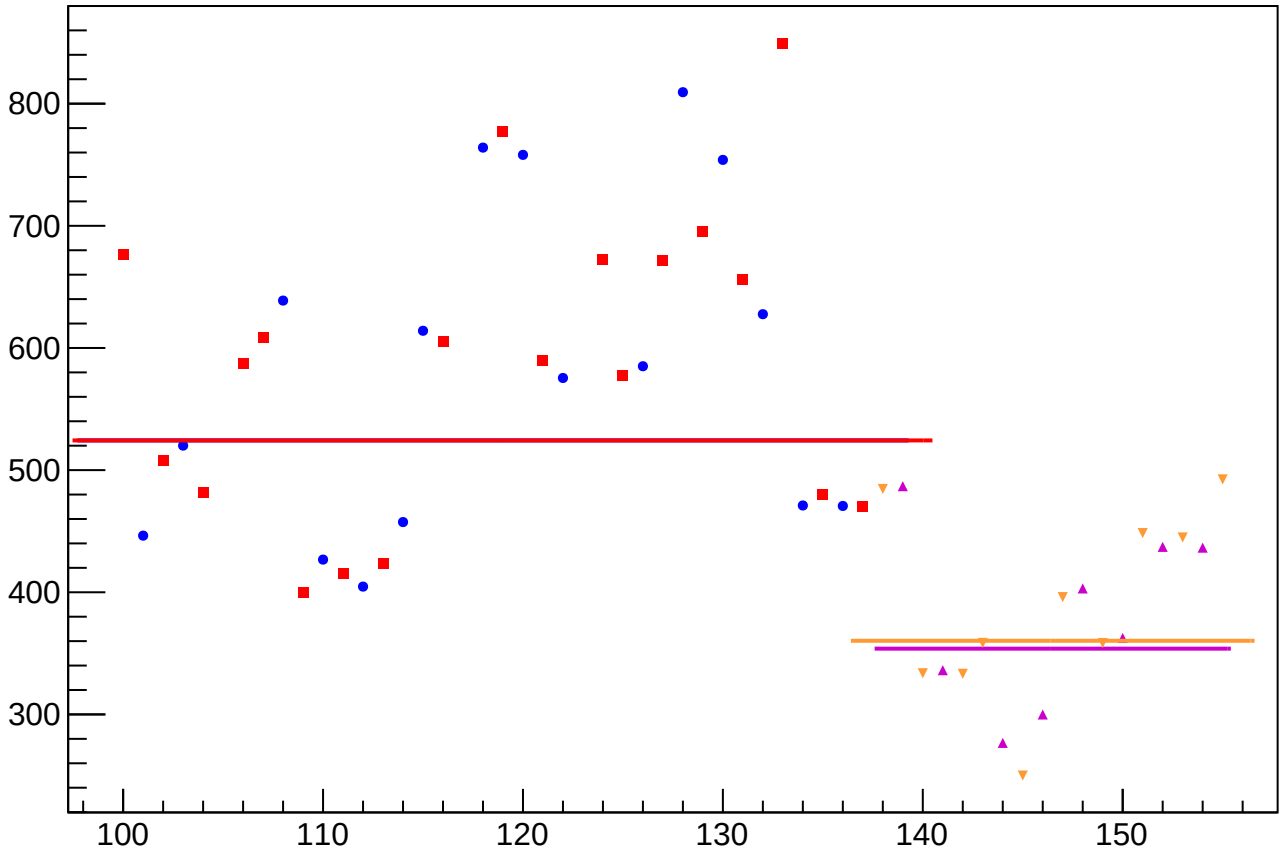
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -150.903+/-136.730 χ^2/NDF:4.9/7

+ sign -520.969+/-110.226 χ^2/NDF: 49.6/25

All: -383.457+/-78.674 χ^2/NDF: 70.3/52

- sign -240.654+/-112.327 χ^2/NDF: 17.6/26



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 360.304+/-0.093 χ^2/NDF:688104.1/9

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

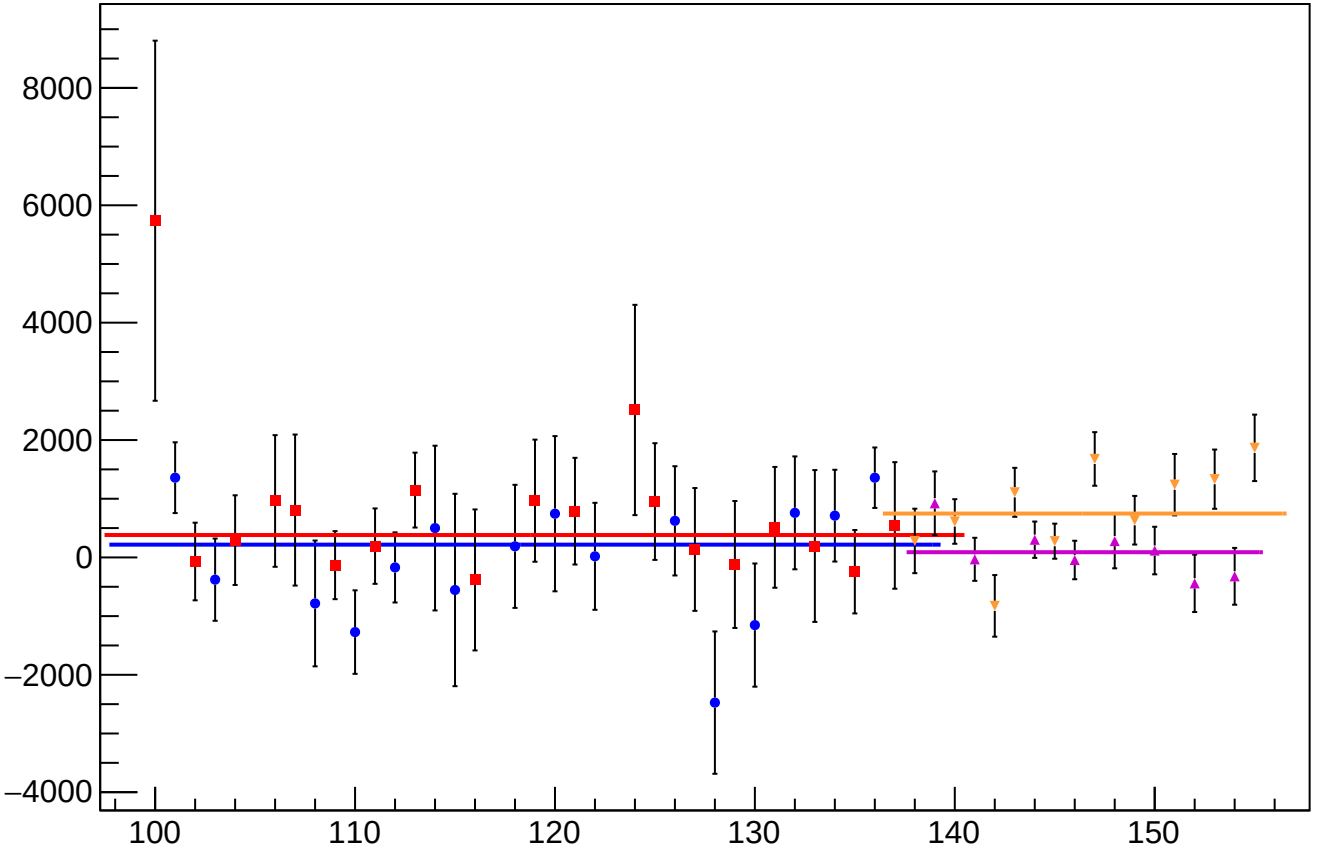
Left In: 353.855+/-0.097 χ^2/NDF:474212.8/7

+ sign 409.825+/-0.078 χ^2/NDF: 2279981.6/25

All: 409.552+/-0.056 χ^2/NDF: 4450736.1/52

- sign 409.268+/-0.079 χ^2/NDF: 2170729.5/26

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 747.532+/-138.486 χ^2/NDF:23.4/9

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

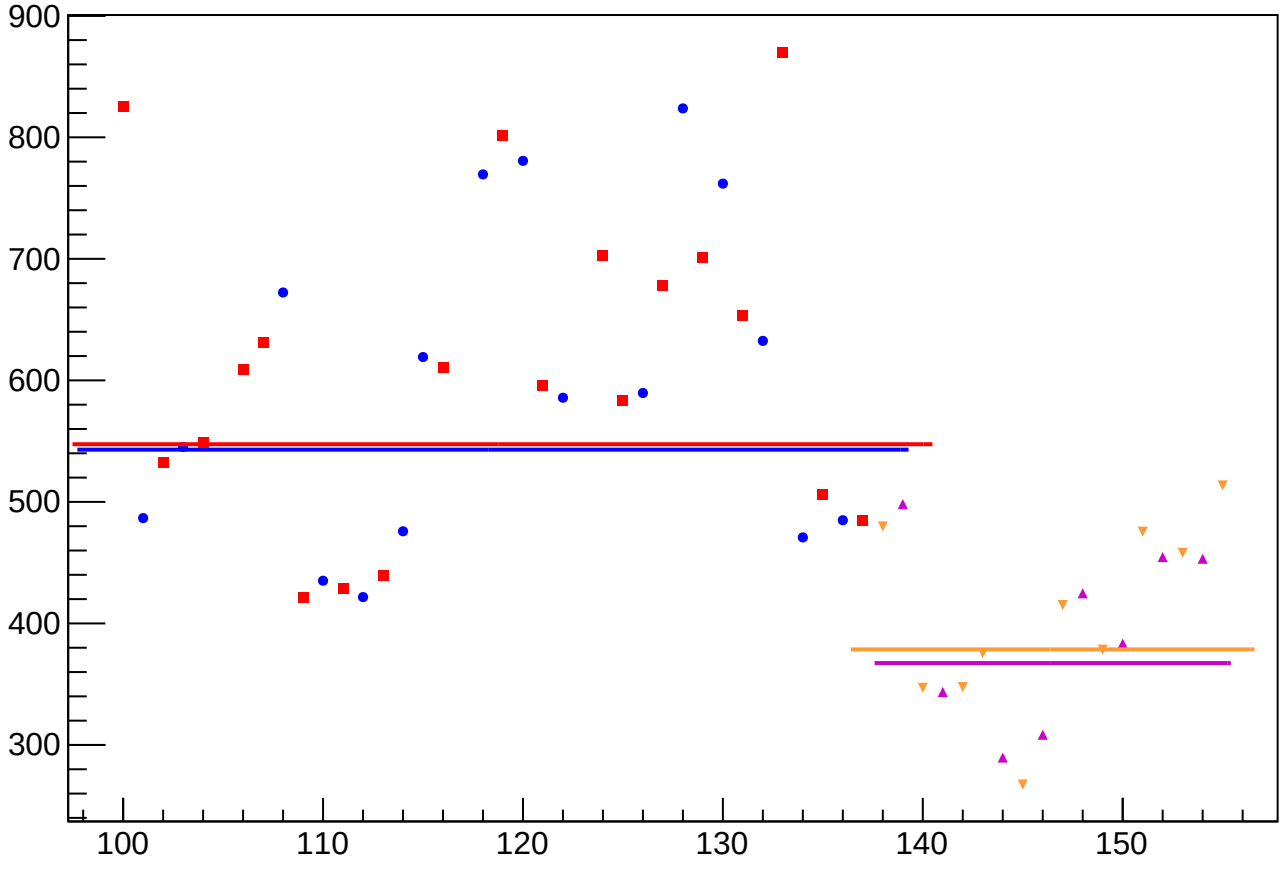
Left In: 88.817+/-141.811 χ^2/NDF:5.2/7

+ sign 584.266+/-115.187 χ^2/NDF: 50.8/25

All: 386.451+/-81.991 χ^2/NDF: 73.3/52

- sign 183.289+/-116.733 χ^2/NDF: 16.5/26

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 378.644+/-0.098 χ^2/NDF:610193.9/9

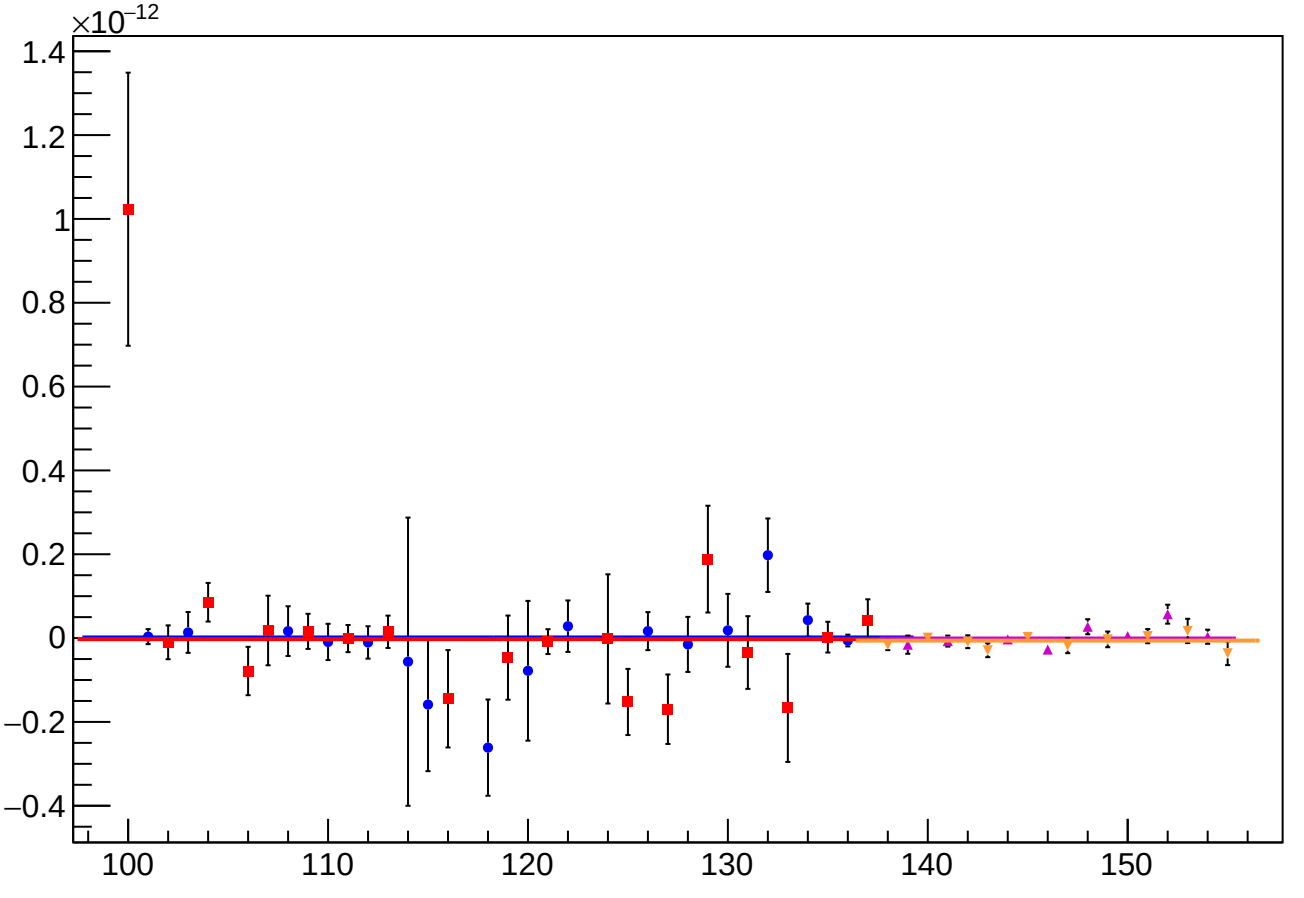
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 367.405+/-0.100 χ^2/NDF:475357.5/7

+ sign 429.294+/-0.081 χ^2/NDF: 2083564.4/25

All: 427.401+/-0.058 χ^2/NDF: 4229859.9/52

- sign 425.457+/-0.083 χ^2/NDF: 2145200.8/26



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

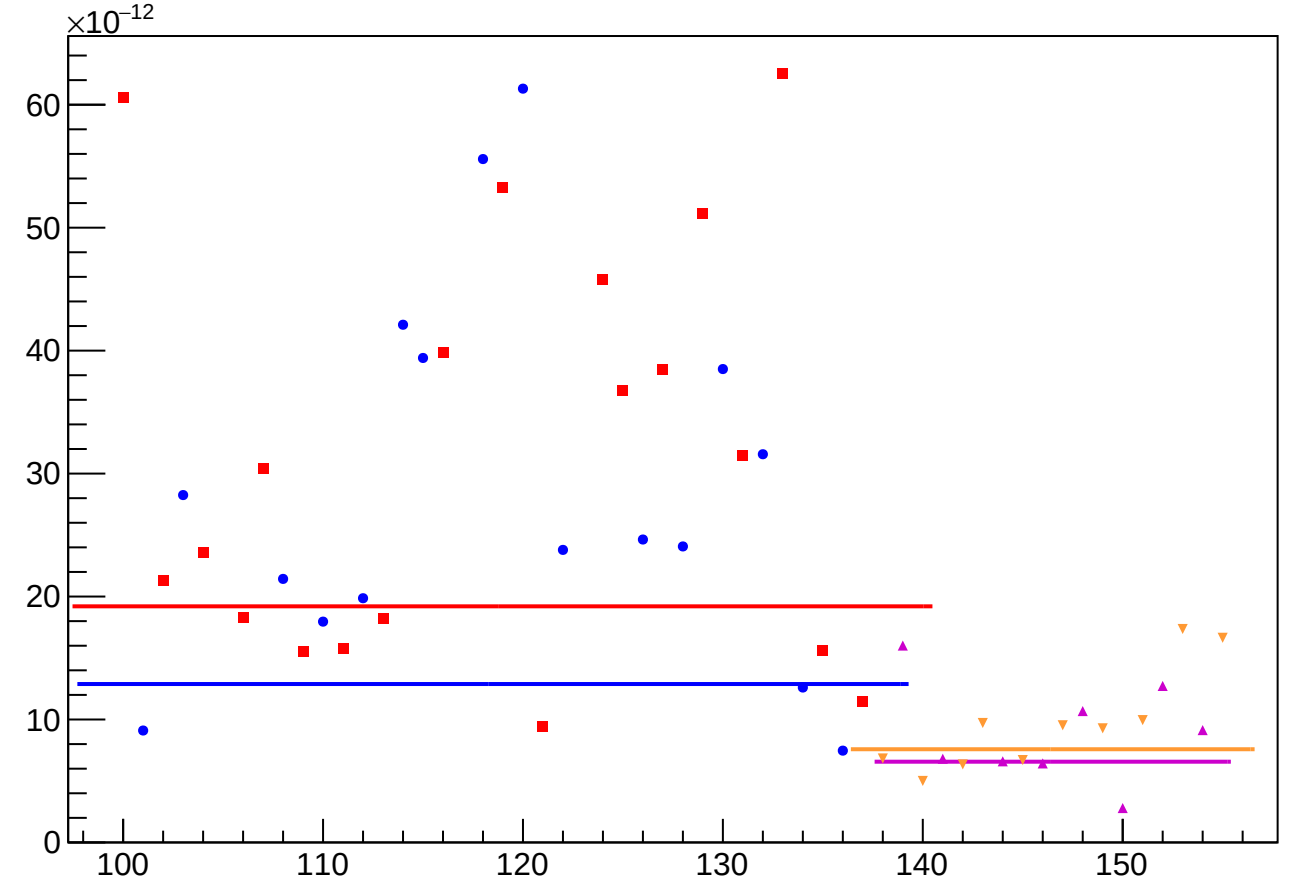
Left In: -0.000+/-0.000 χ^2/NDF:15.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/25

All: -0.000+/-0.000 χ^2/NDF: 67.0/52

- sign -0.000+/-0.000 χ^2/NDF: 45.9/26

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:746133.9/9

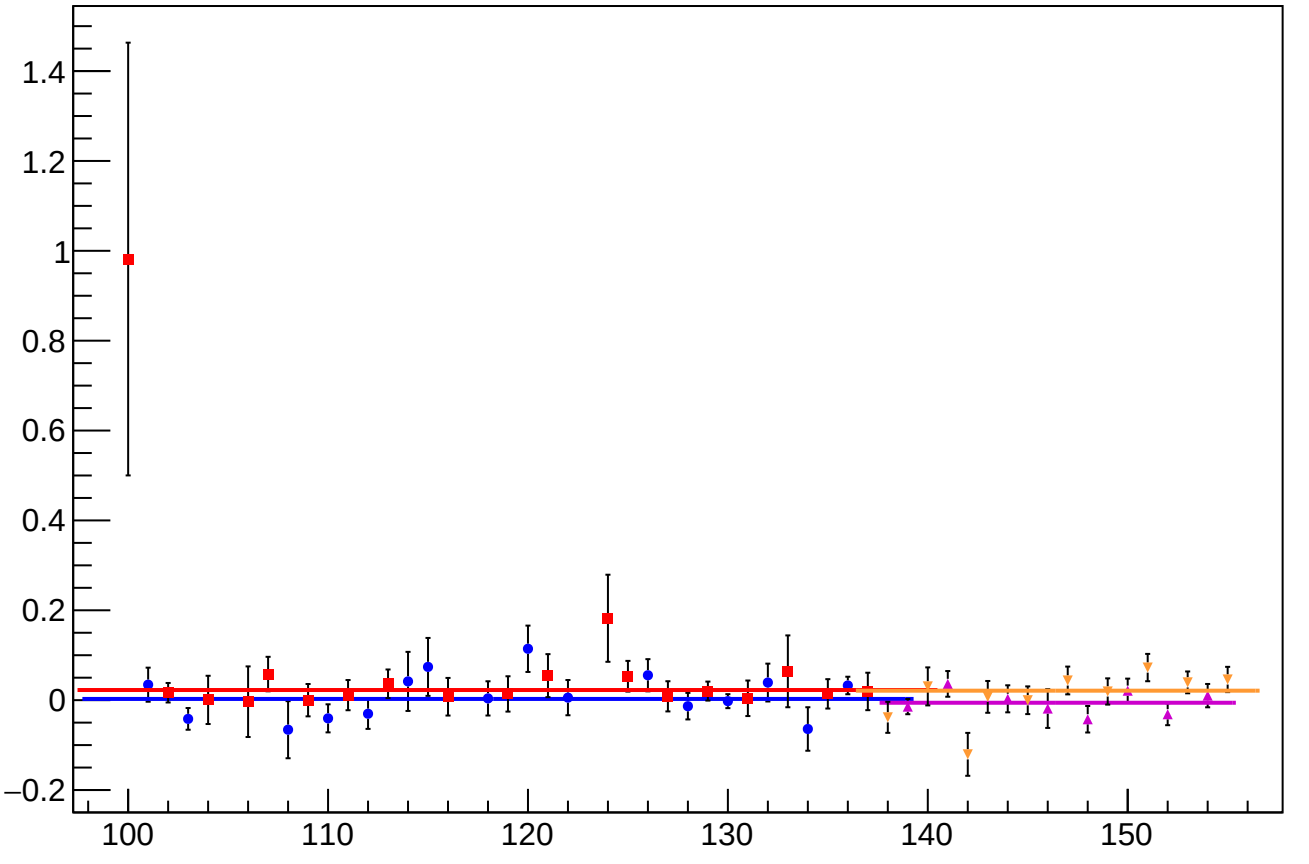
Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1090153.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 3049340.9/25

All: 0.000+/-0.000 χ^2/NDF: 7426999.7/52

- sign 0.000+/-0.000 χ^2/NDF: 4361178.9/26



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.021+/-0.010 χ^2/NDF:17.2/9

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

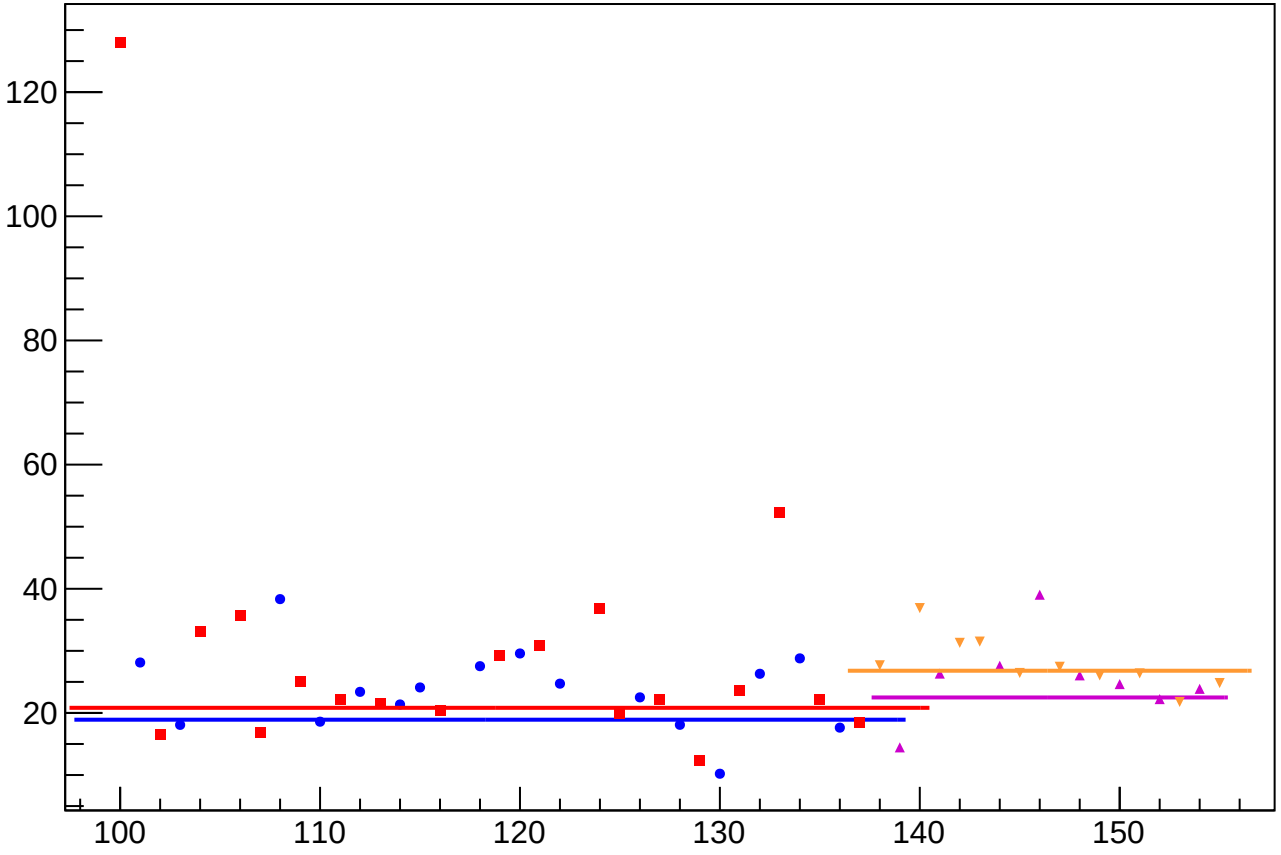
Left In: -0.006+/-0.009 χ^2/NDF:6.6/7

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/25

All: 0.010+/-0.004 χ^2/NDF: 63.8/52

- sign 0.009+/-0.006 χ^2/NDF: 22.6/26

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: 26.799+/-0.007 χ^2/NDF:266357.8/9

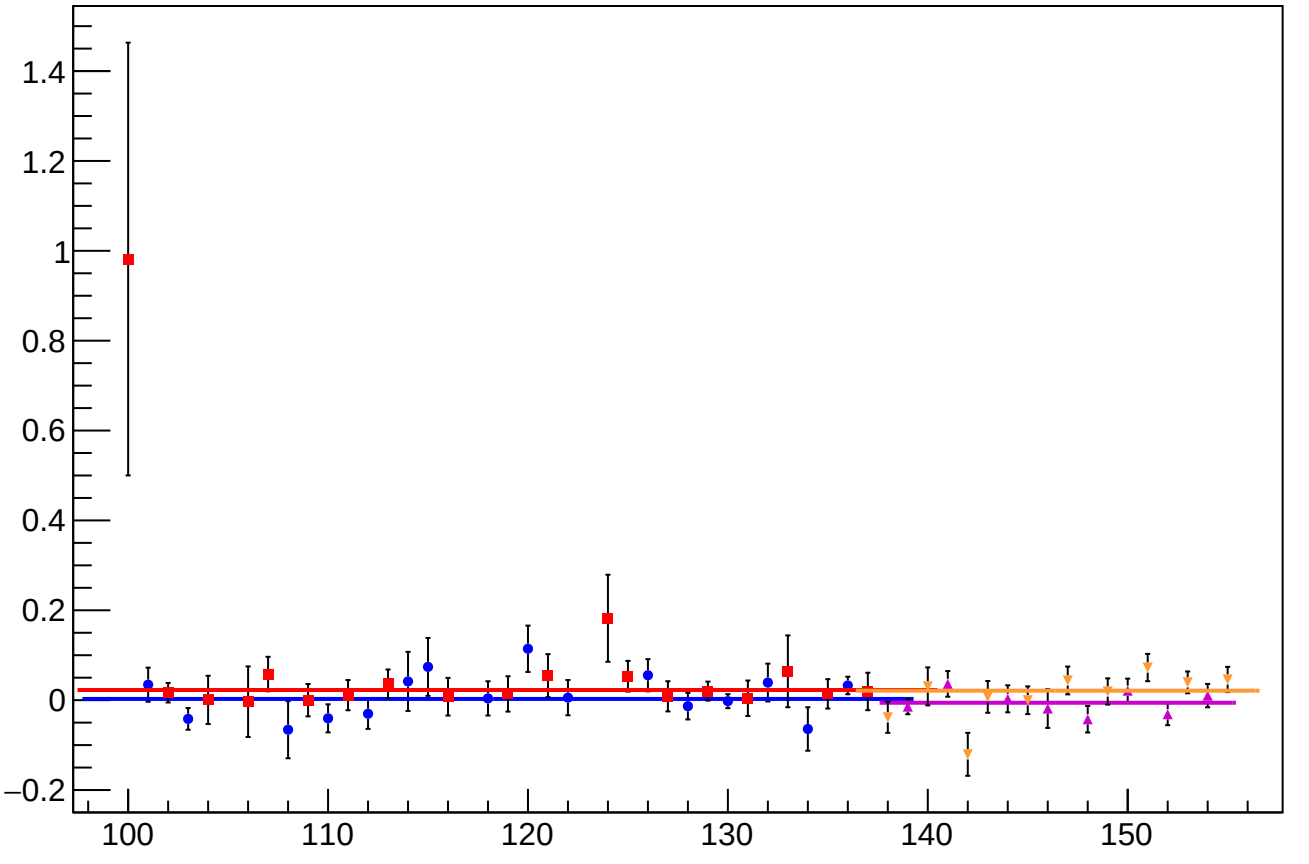
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.493+/-0.006 χ^2/NDF:885780.7/7

+ sign 21.887+/-0.004 χ^2/NDF: 2427351.0/25

All: 21.743+/-0.003 χ^2/NDF: 4642841.8/52

- sign 21.597+/-0.004 χ^2/NDF: 2213287.0/26



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.021+/-0.010 χ^2/NDF:17.2/9

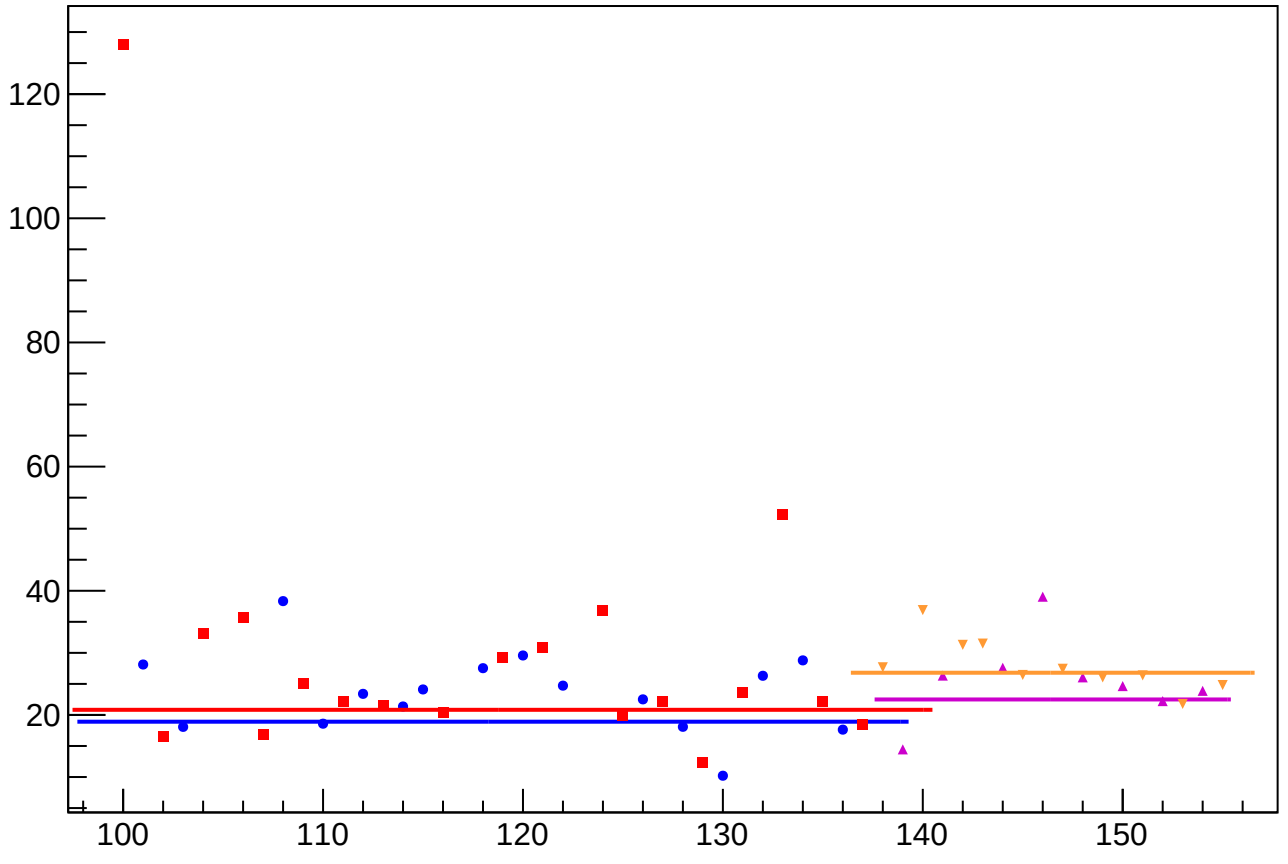
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.009 χ^2/NDF:6.6/7

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/25

All: 0.010+/-0.004 χ^2/NDF: 63.8/52

- sign 0.009+/-0.006 χ^2/NDF: 22.6/26



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 26.799+/-0.007 χ^2/NDF:266357.8/9

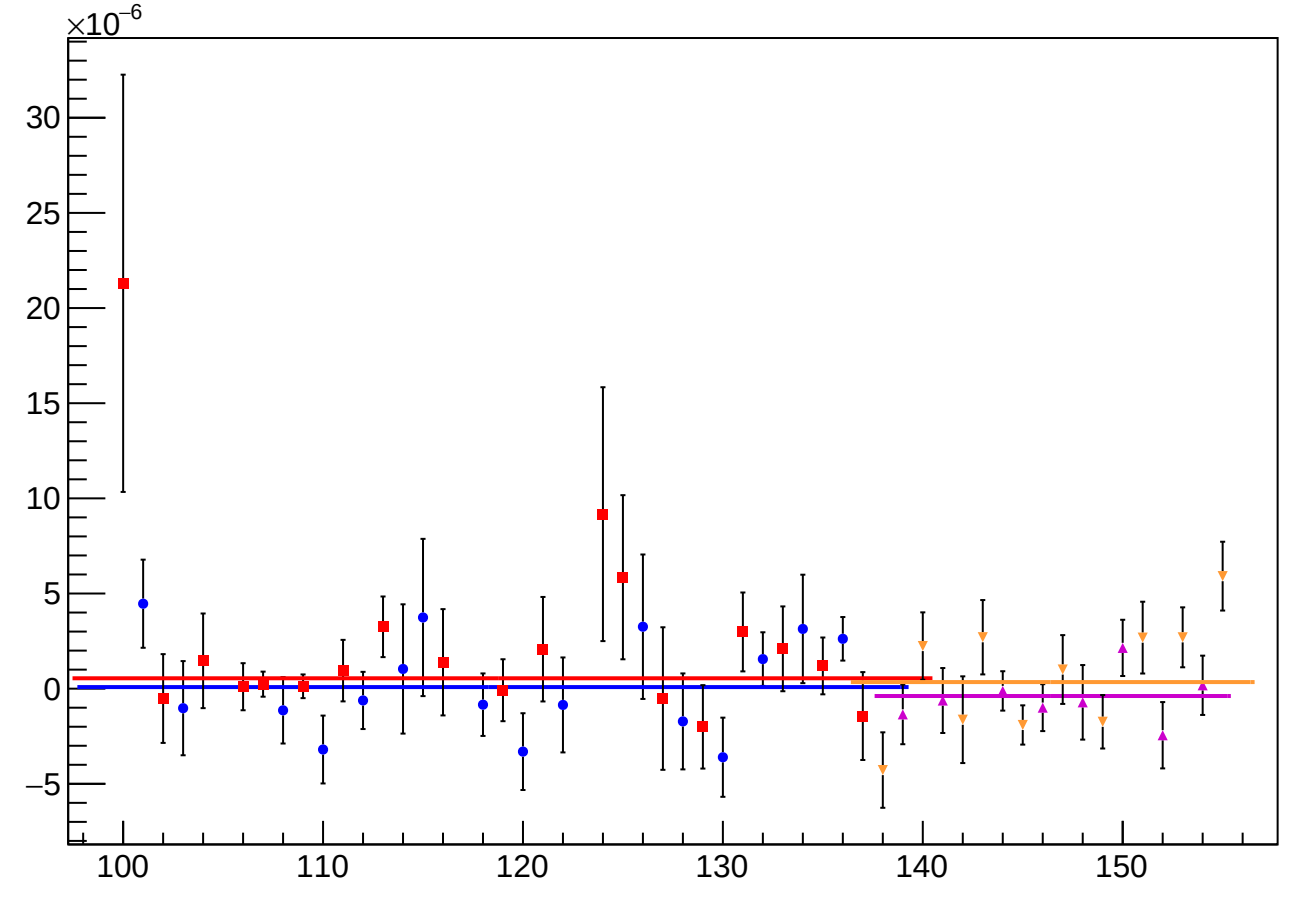
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.493+/-0.006 χ^2/NDF:885780.7/7

+ sign 21.887+/-0.004 χ^2/NDF: 2427351.0/25

All: 21.743+/-0.003 χ^2/NDF: 4642841.8/52

- sign 21.597+/-0.004 χ^2/NDF: 2213287.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.1/9

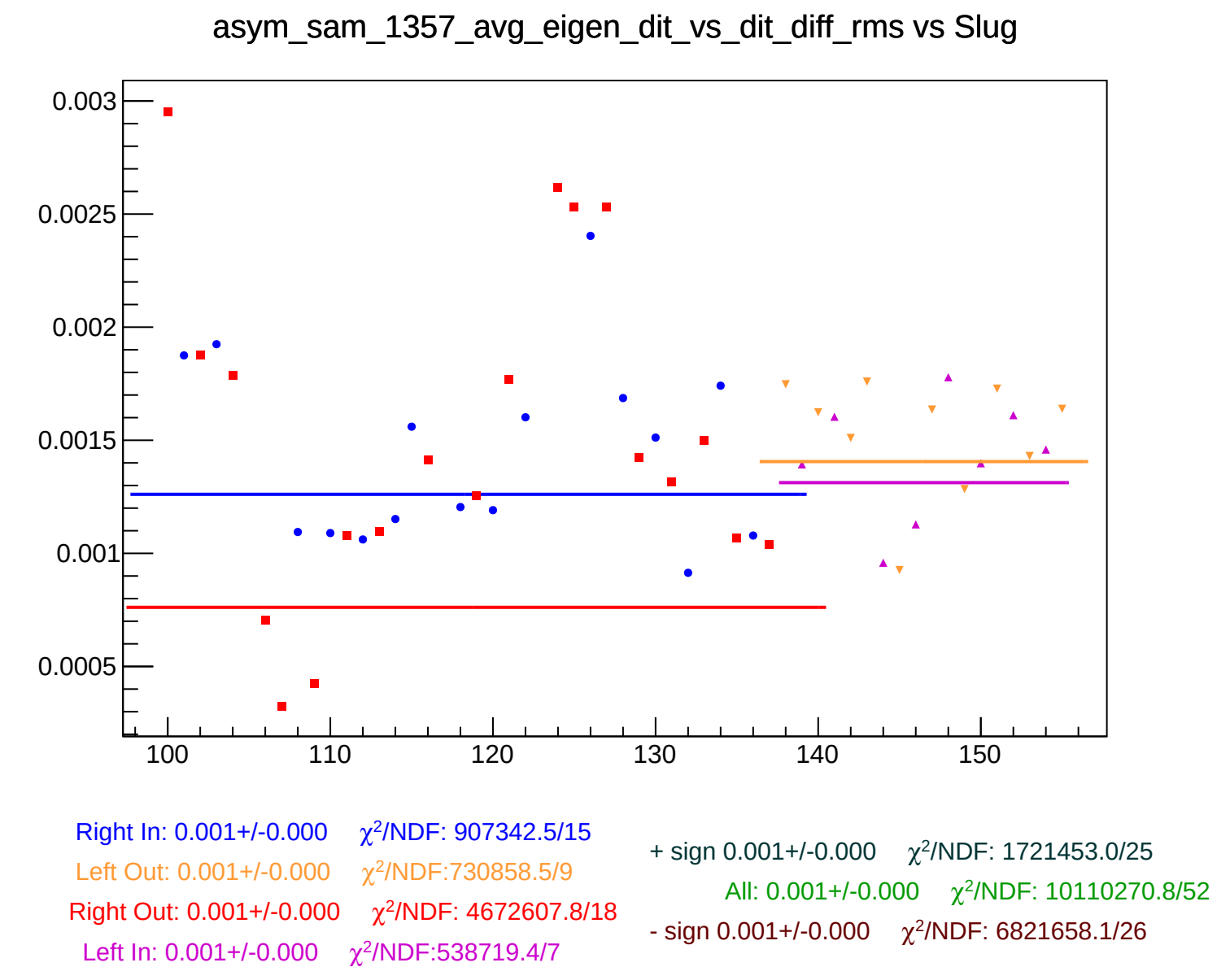
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

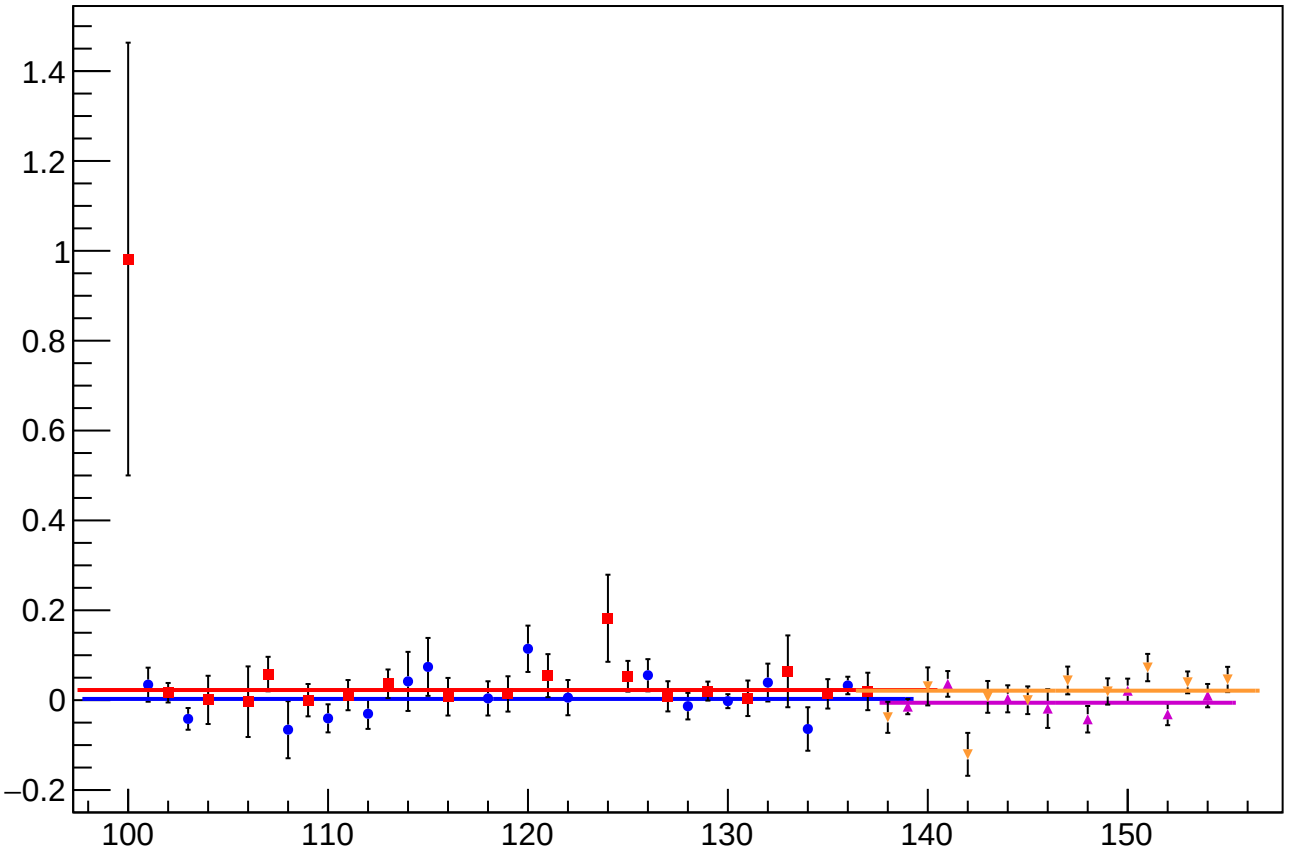
Left In: -0.000+/-0.000 χ^2/NDF:5.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/25

All: 0.000+/-0.000 χ^2/NDF: 76.0/52

- sign 0.000+/-0.000 χ^2/NDF: 23.1/26


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
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:730858.5/9
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:538719.4/7
+ sign 0.001+/-0.000 χ²/NDF: 1721453.0/25
All: 0.001+/-0.000 χ²/NDF: 10110270.8/52
- sign 0.001+/-0.000 χ²/NDF: 6821658.1/26



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.021+/-0.010 χ^2/NDF:17.2/9

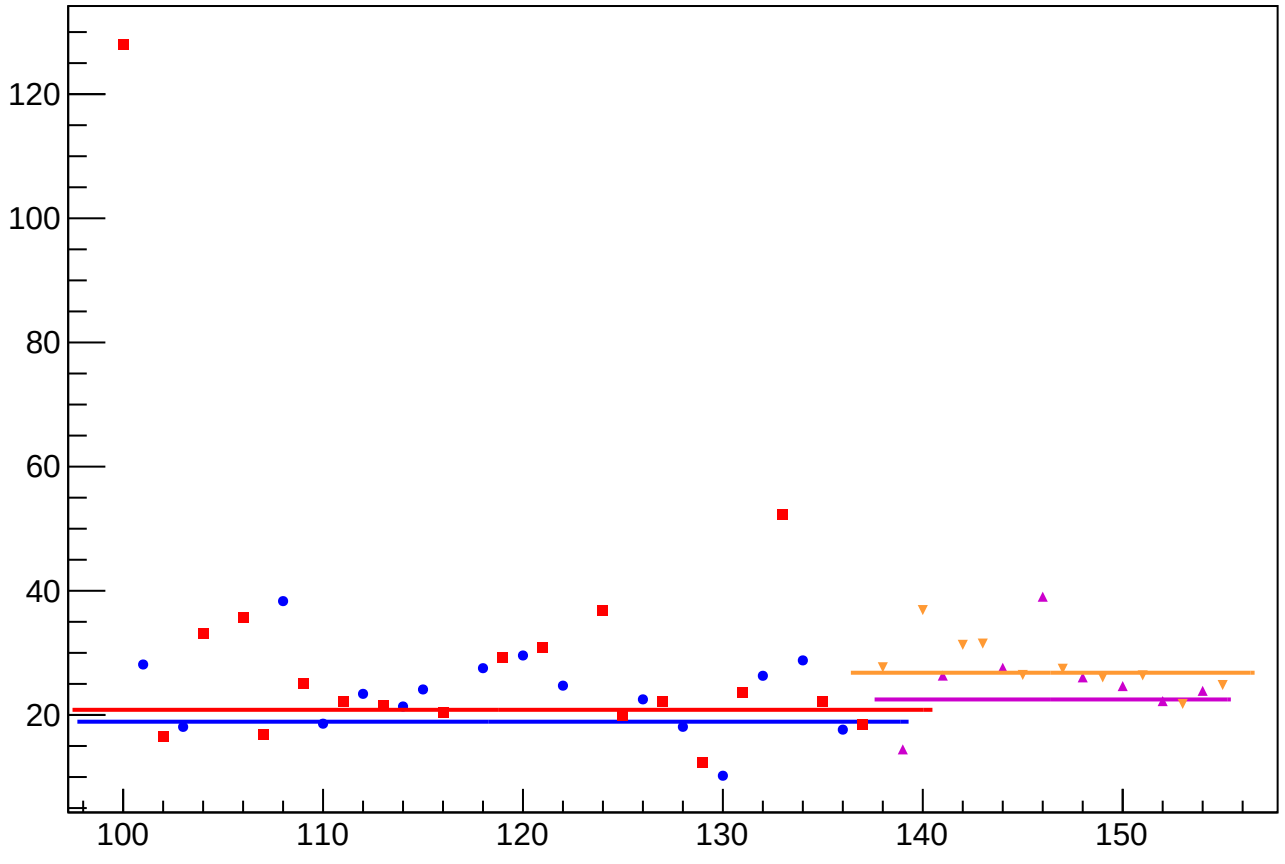
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.009 χ^2/NDF:6.6/7

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/25

All: 0.010+/-0.004 χ^2/NDF: 63.8/52

- sign 0.009+/-0.006 χ^2/NDF: 22.6/26



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 26.800+/-0.007 χ^2/NDF:266349.0/9

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

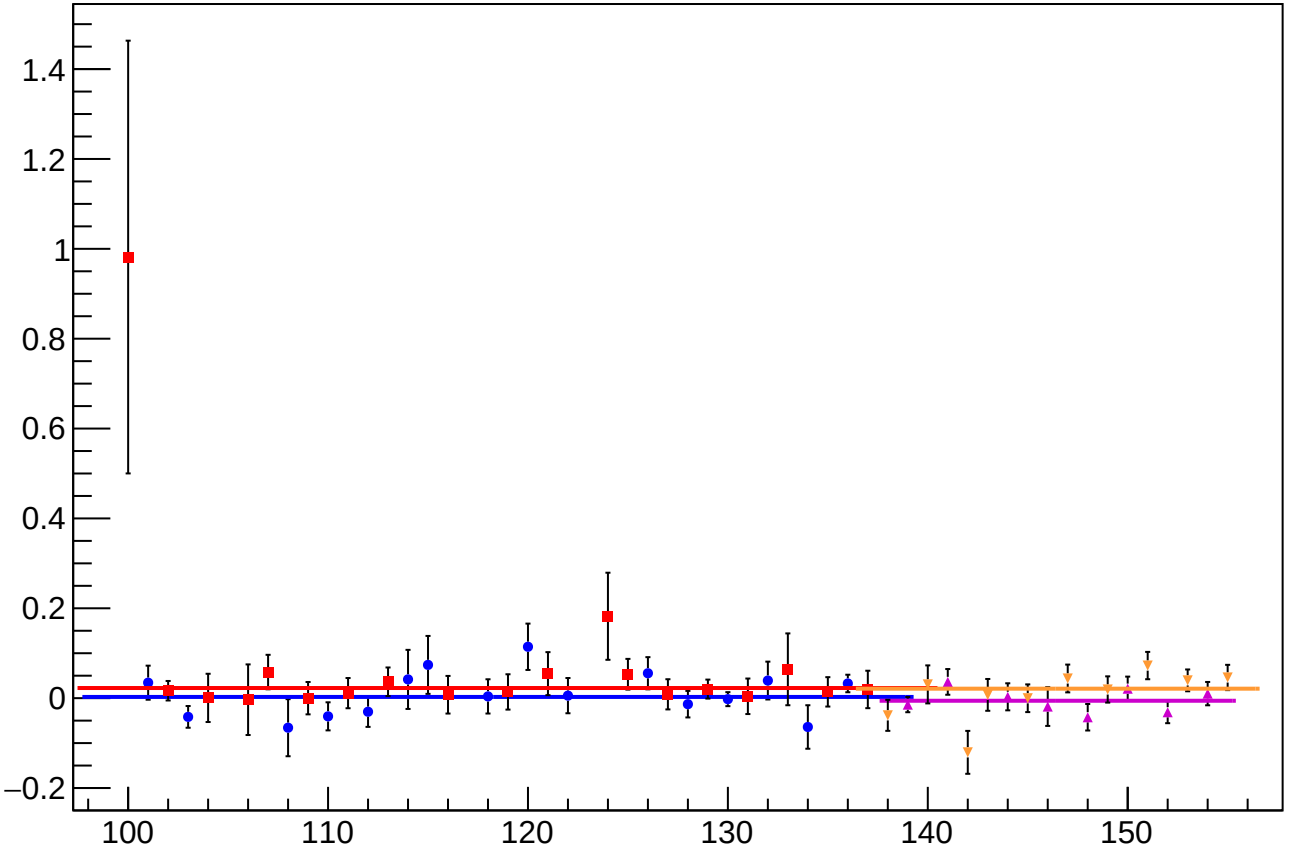
Left In: 22.494+/-0.006 χ^2/NDF:885705.7/7

+ sign 21.887+/-0.004 χ^2/NDF: 2427238.6/25

All: 21.743+/-0.003 χ^2/NDF: 4642671.0/52

- sign 21.597+/-0.004 χ^2/NDF: 2213228.0/26

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: 0.021+/-0.010 χ^2/NDF:17.2/9

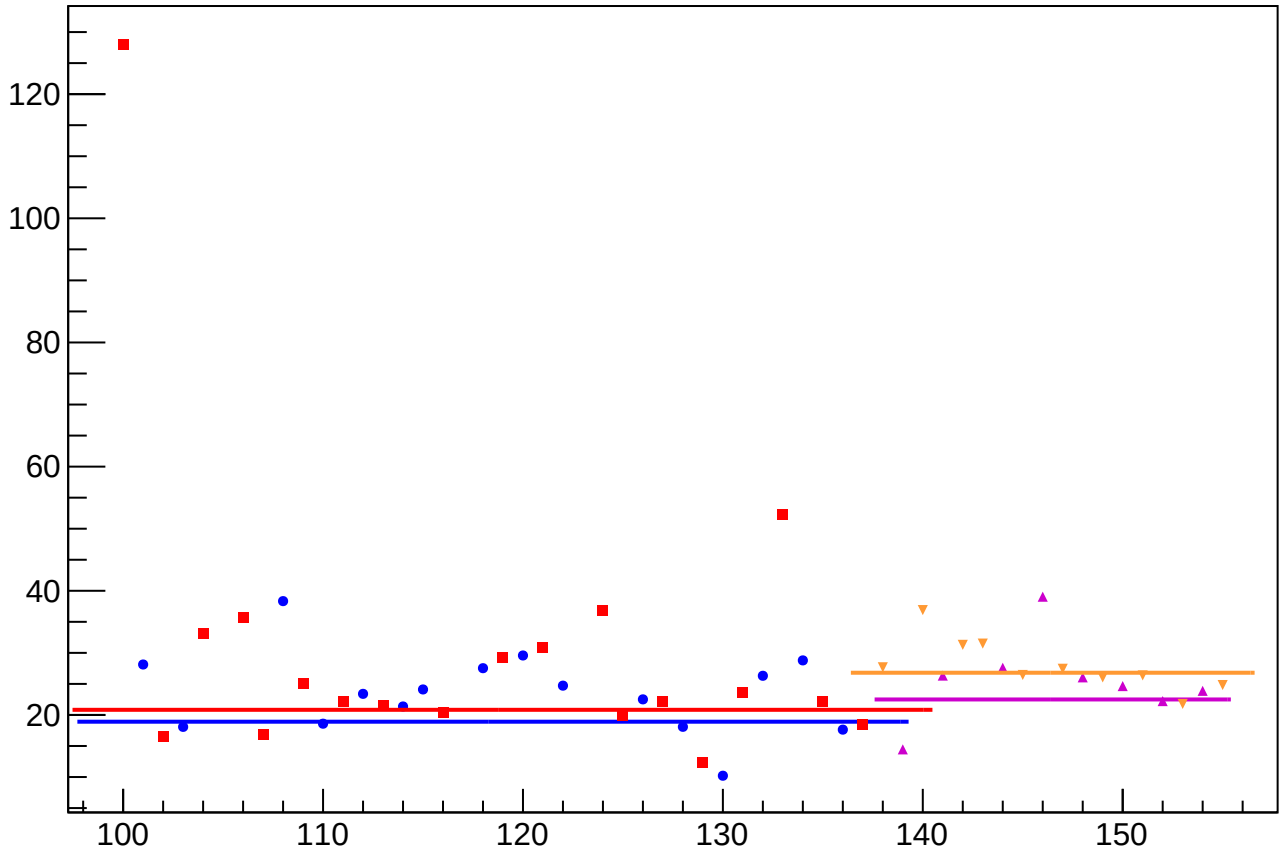
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.009 χ^2/NDF:6.6/7

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/25

All: 0.010+/-0.004 χ^2/NDF: 63.8/52

- sign 0.009+/-0.006 χ^2/NDF: 22.6/26



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 26.800+/-0.007 χ^2/NDF:266349.0/9

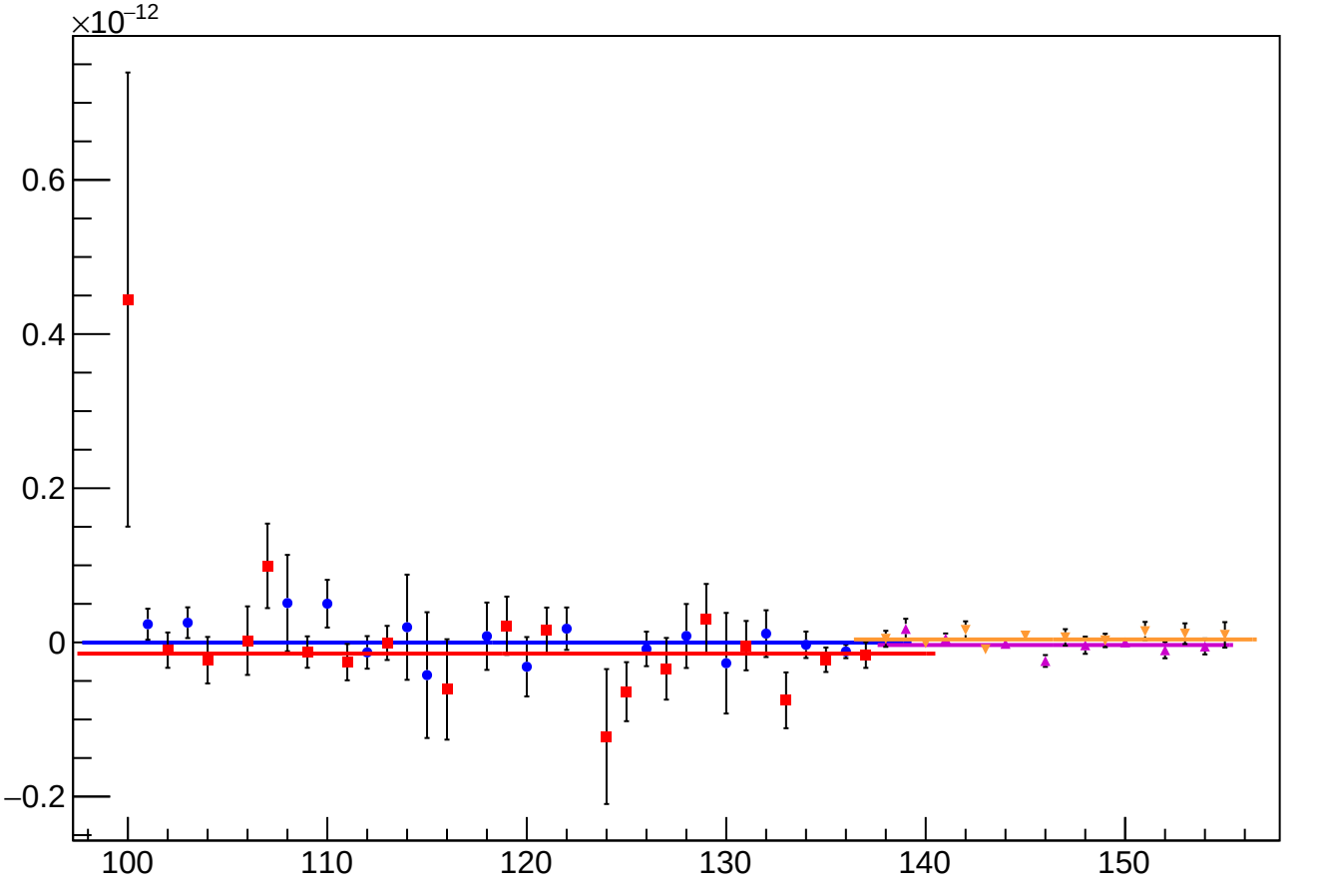
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.494+/-0.006 χ^2/NDF:885705.7/7

+ sign 21.887+/-0.004 χ^2/NDF: 2427238.6/25

All: 21.743+/-0.003 χ^2/NDF: 4642671.0/52

- sign 21.597+/-0.004 χ^2/NDF: 2213228.0/26



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/9

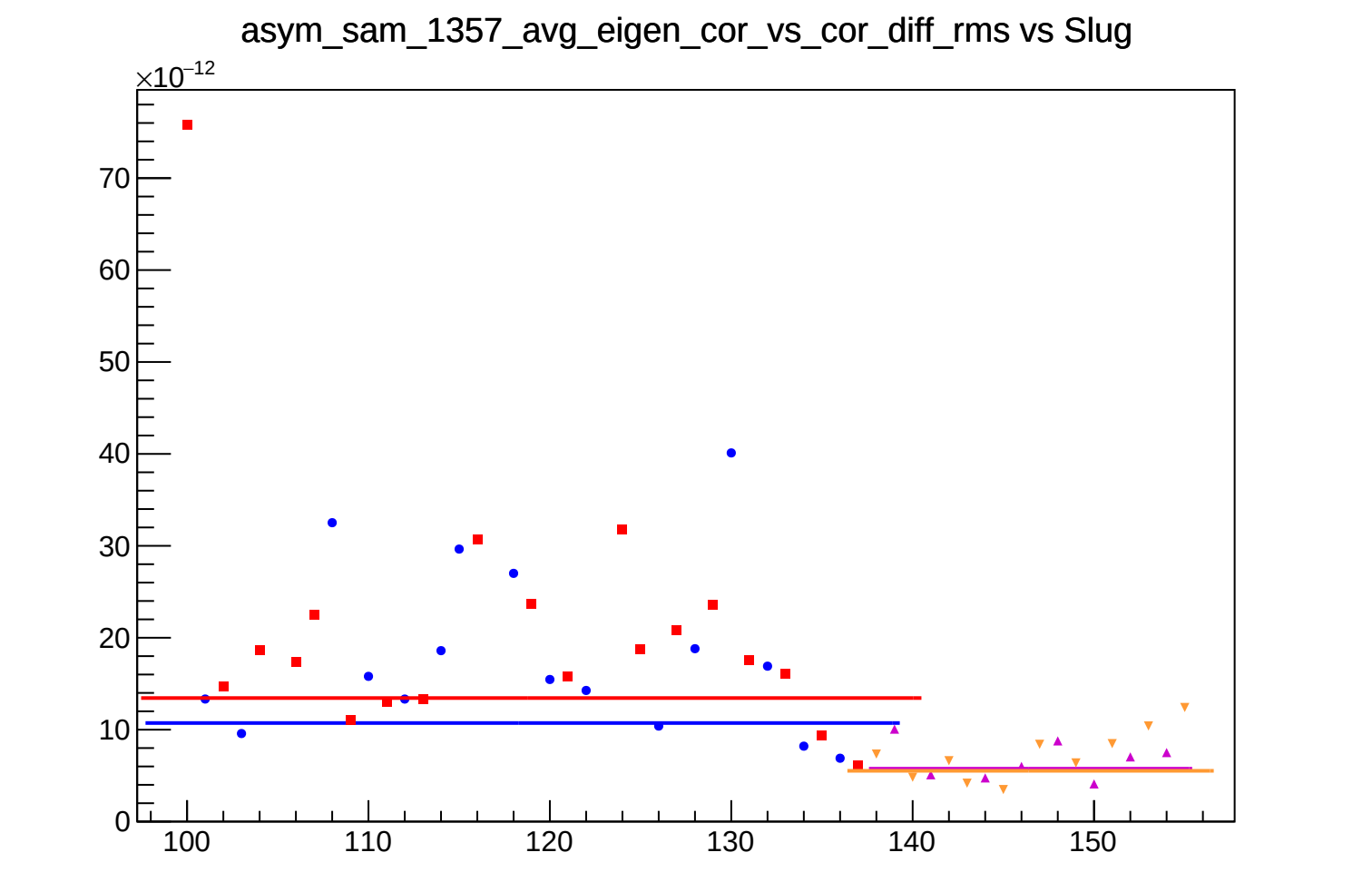
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 19.1/25

All: -0.000+/-0.000 χ^2/NDF: 56.9/52

- sign -0.000+/-0.000 χ^2/NDF: 32.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1428302.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

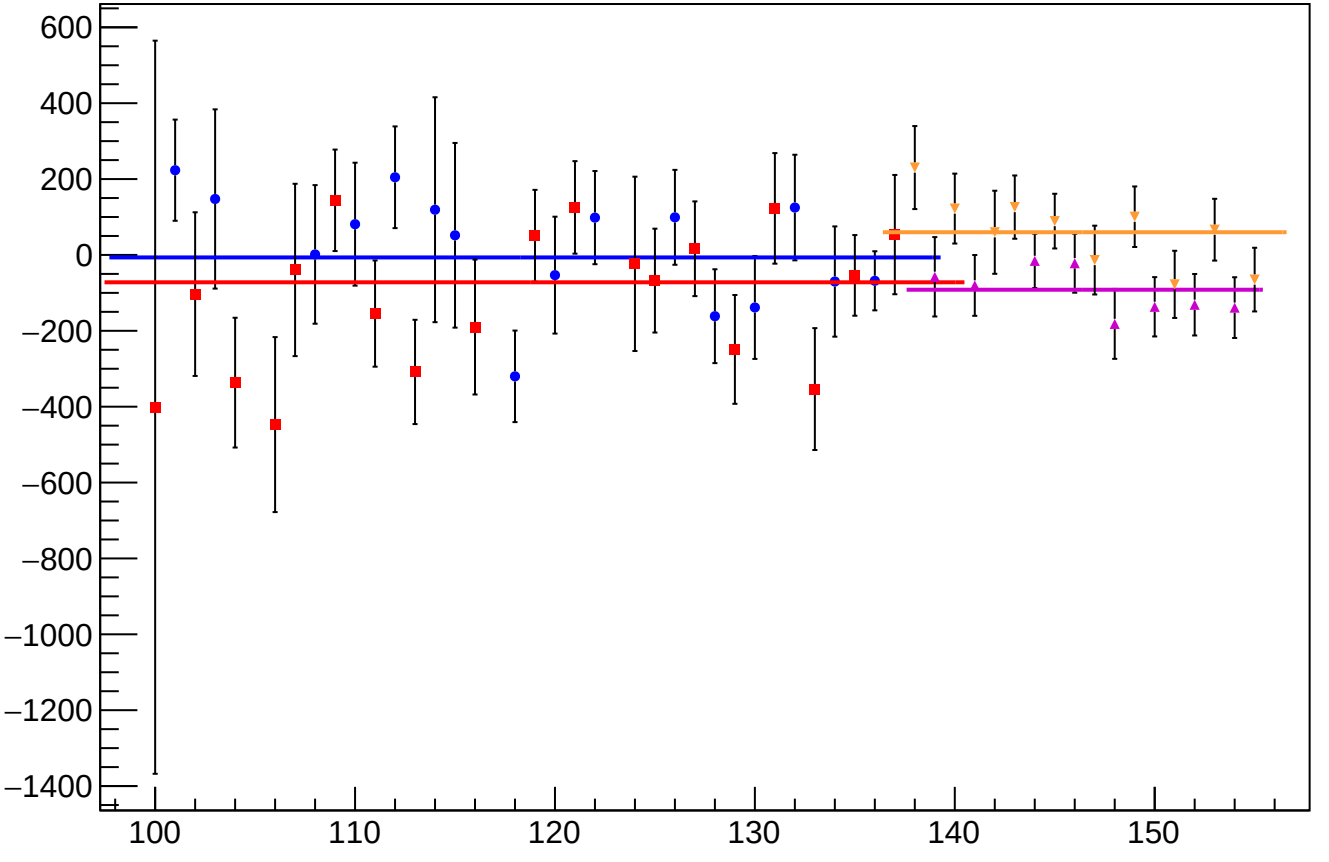
Left In: 0.000+/-0.000 χ^2/NDF:656029.9/7

+ sign 0.000+/-0.000 χ^2/NDF: 4680769.0/25

All: 0.000+/-0.000 χ^2/NDF: 9108596.2/52

- sign 0.000+/-0.000 χ^2/NDF: 4381766.5/26

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 59.830+/-27.525 χ^2/NDF:9.2/9

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

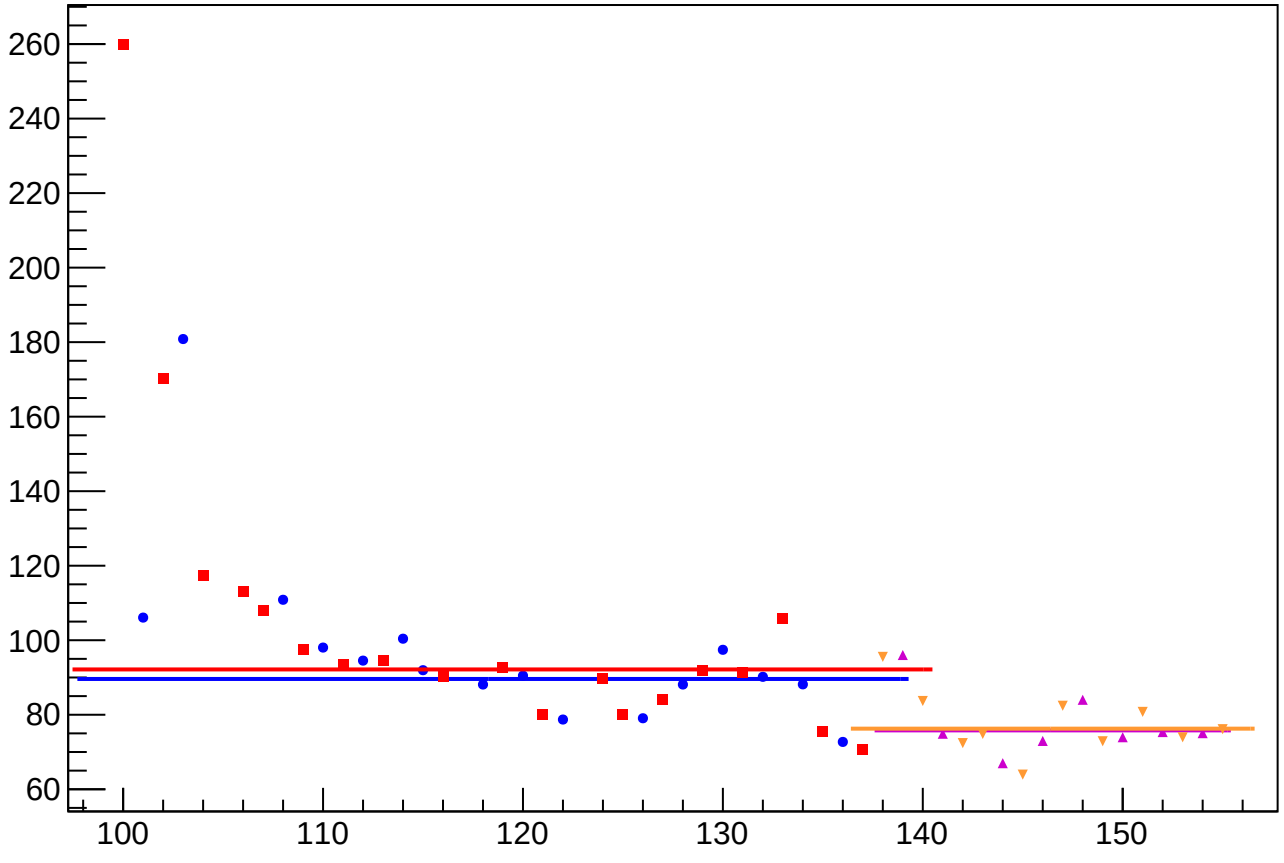
Left In: -91.701+/-28.891 χ^2/NDF:3.9/7

+ sign 33.812+/-21.464 χ^2/NDF: 30.4/25

All: -22.848+/-15.448 χ^2/NDF: 71.8/52

- sign -83.736+/-22.251 χ^2/NDF: 26.9/26

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.269+/-0.019 χ^2/NDF:156184.3/9

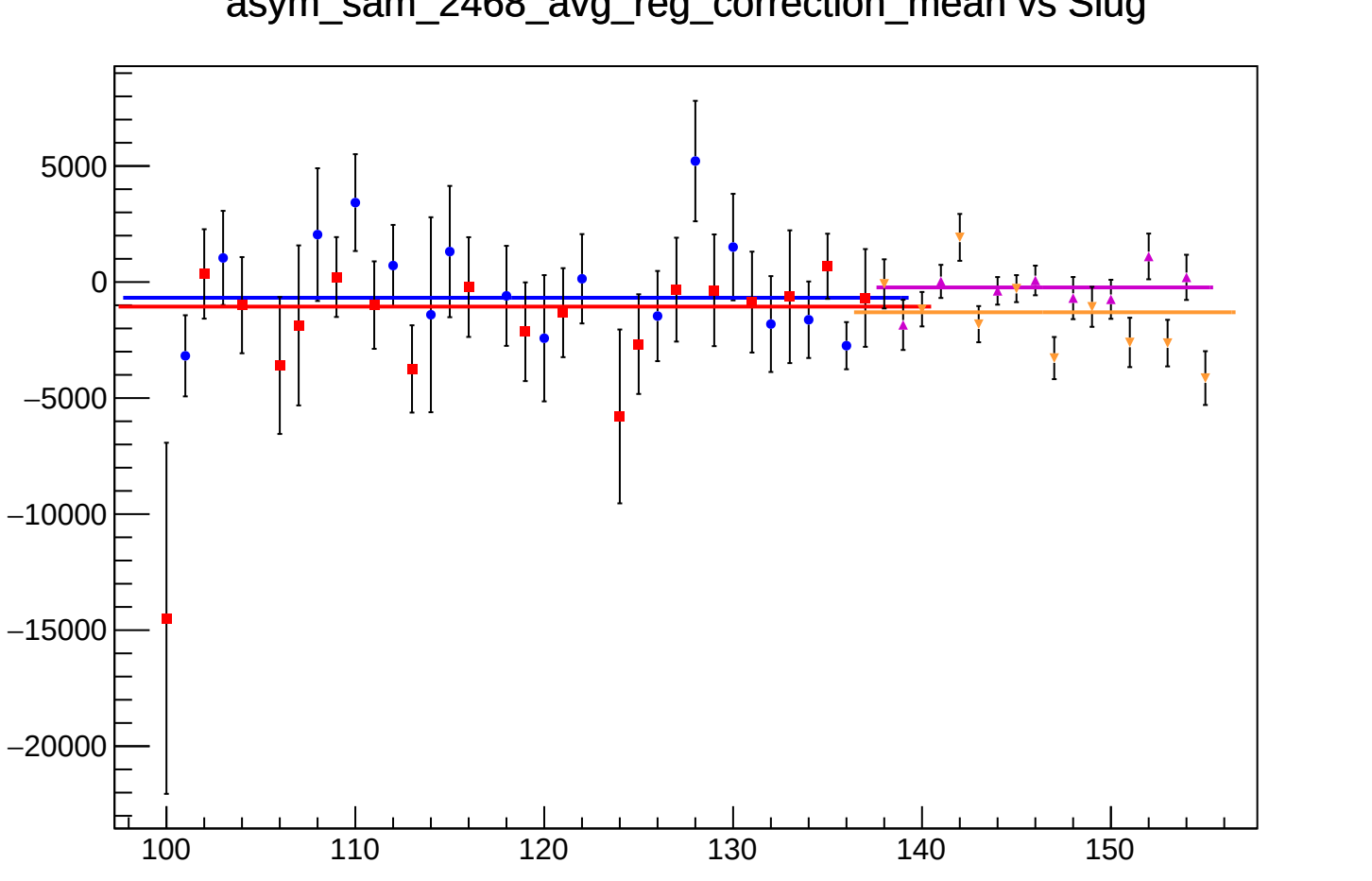
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.804+/-0.020 χ^2/NDF:125256.5/7

+ sign 81.495+/-0.015 χ^2/NDF: 838537.6/25

All: 81.960+/-0.011 χ^2/NDF: 1768638.2/52

- sign 82.459+/-0.016 χ^2/NDF: 928153.1/26



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1302.594+/-272.465 χ^2/NDF:29.1/9

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

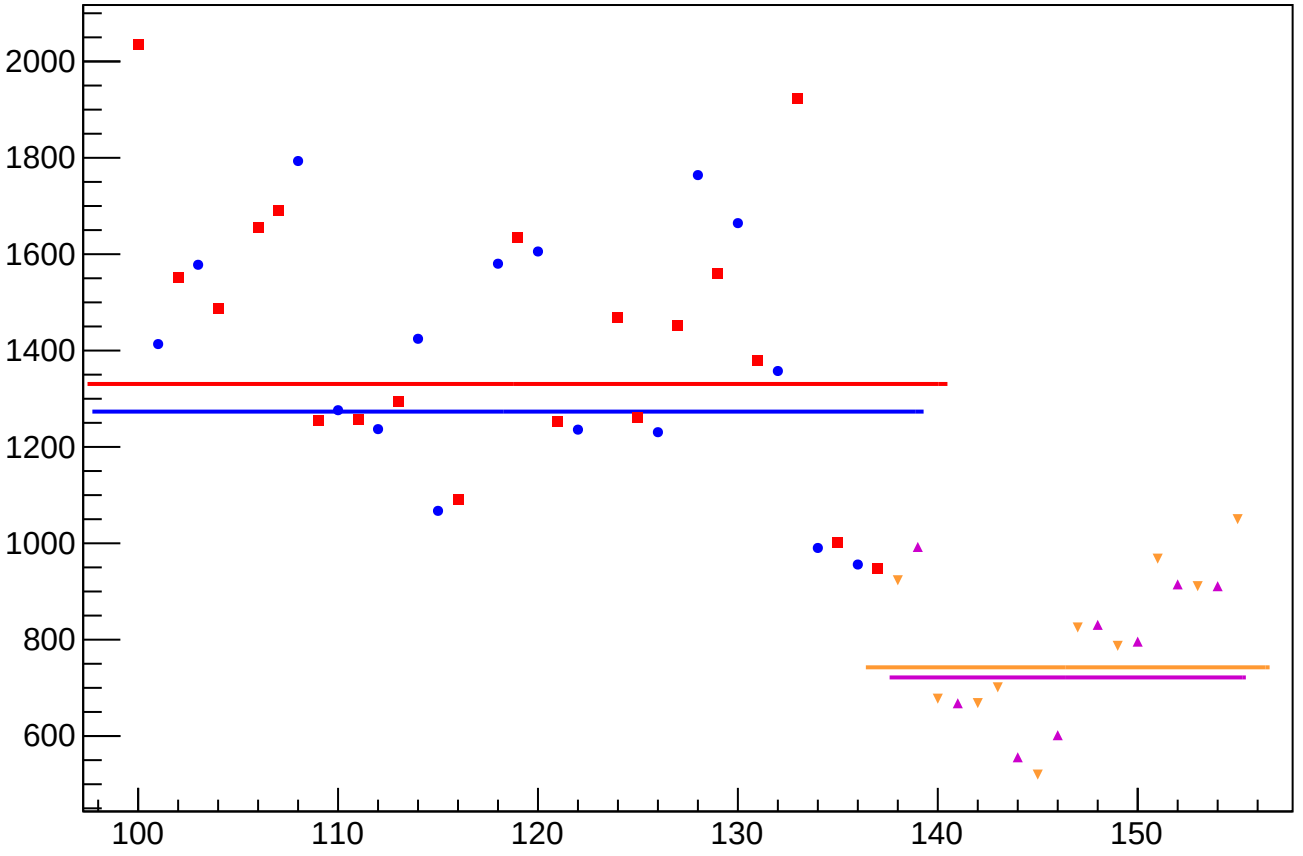
Left In: -231.907+/-279.379 χ^2/NDF:5.3/7

+ sign -1153.304+/-237.720 χ^2/NDF: 50.6/25

All: -800.693+/-170.087 χ^2/NDF: 74.0/52

- sign -430.843+/-243.461 χ^2/NDF: 18.9/26

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 742.623+/-0.193 χ^2/NDF:691869.4/9

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

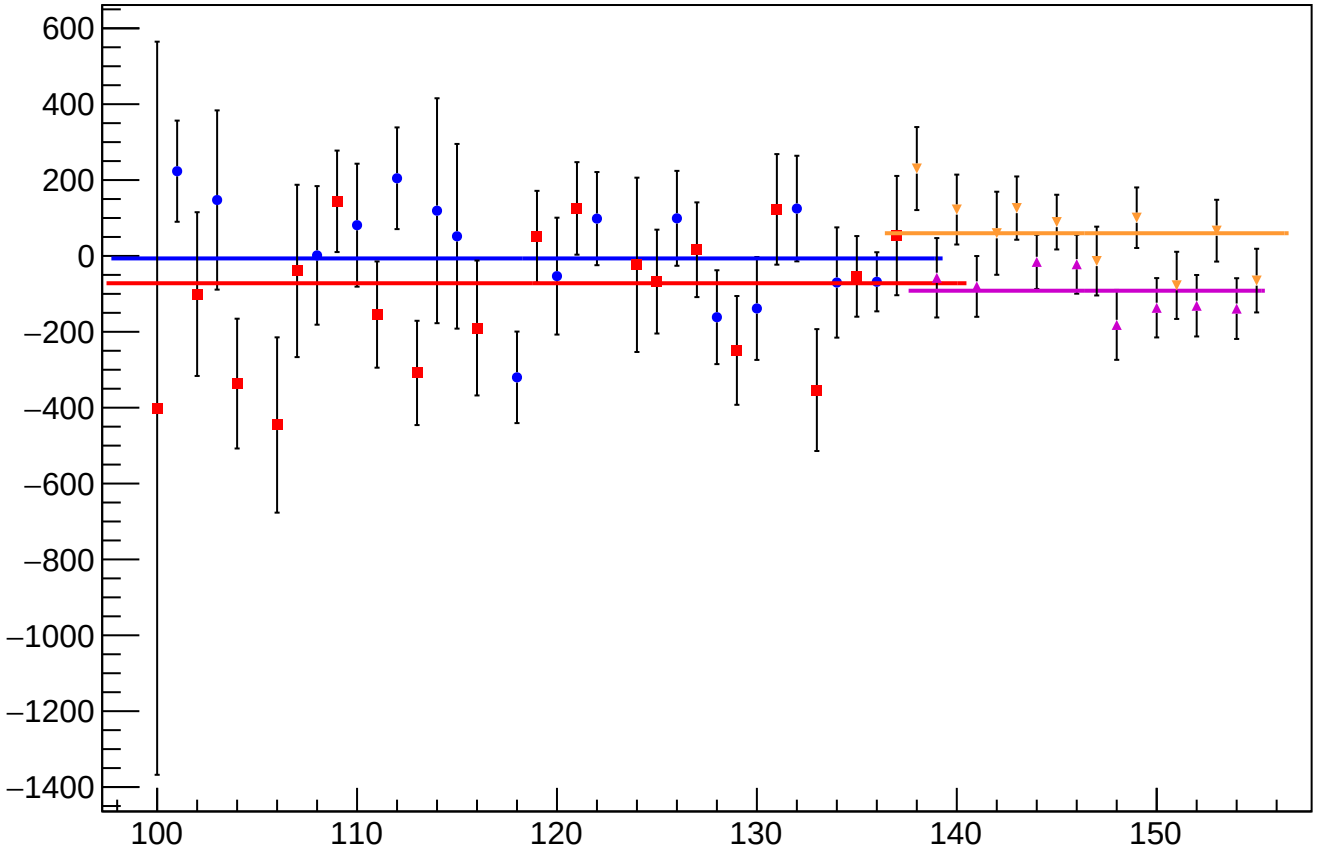
Left In: 721.637+/-0.198 χ^2/NDF:559694.4/7

+ sign 869.345+/-0.168 χ^2/NDF: 3101187.3/25

All: 868.771+/-0.120 χ^2/NDF: 6418410.2/52

- sign 868.170+/-0.172 χ^2/NDF: 3317199.0/26

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 59.838+/-27.525 χ^2/NDF:9.2/9

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

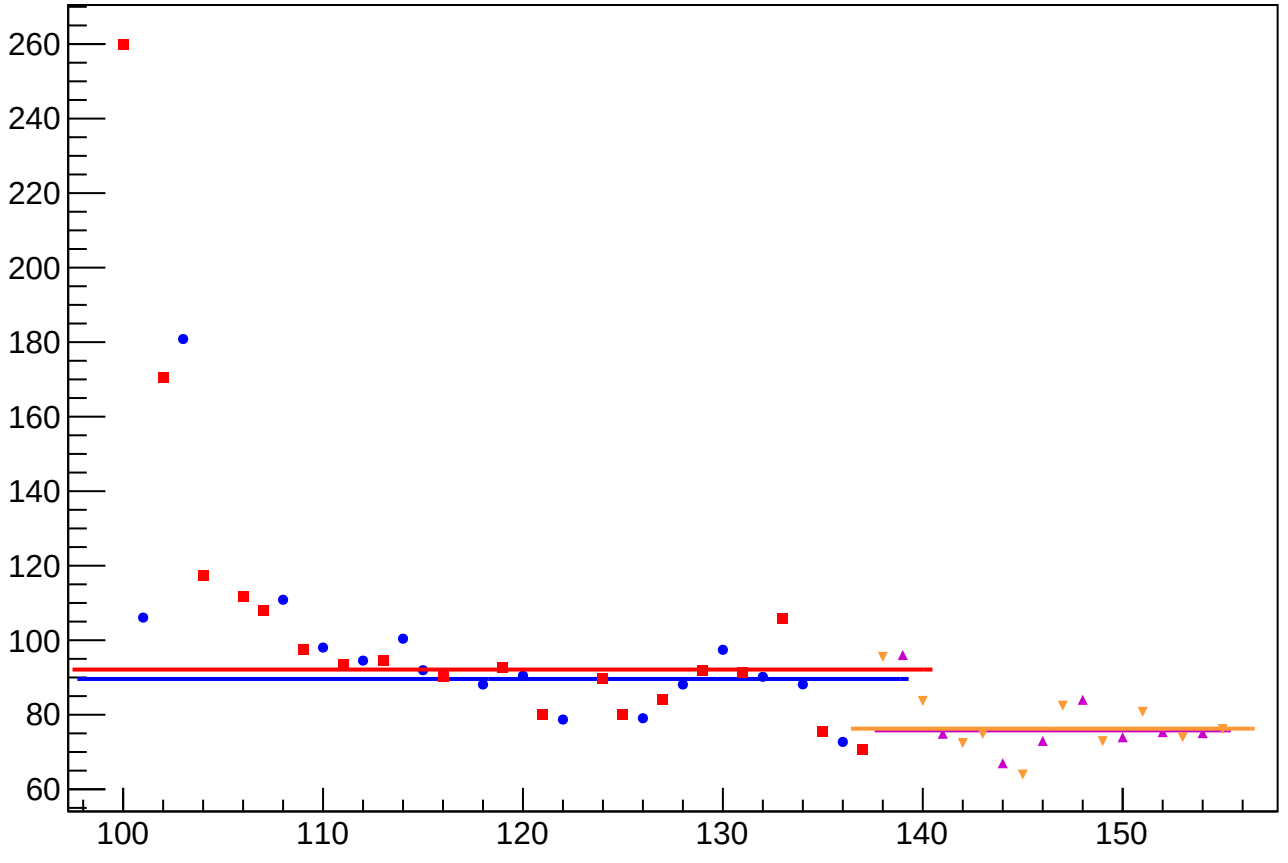
Left In: -91.700+/-28.891 χ^2/NDF:3.9/7

+ sign 33.813+/-21.464 χ^2/NDF: 30.4/25

All: -22.818+/-15.448 χ^2/NDF: 71.8/52

- sign -83.677+/-22.251 χ^2/NDF: 26.9/26

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.269+/-0.019 χ^2/NDF:156184.3/9

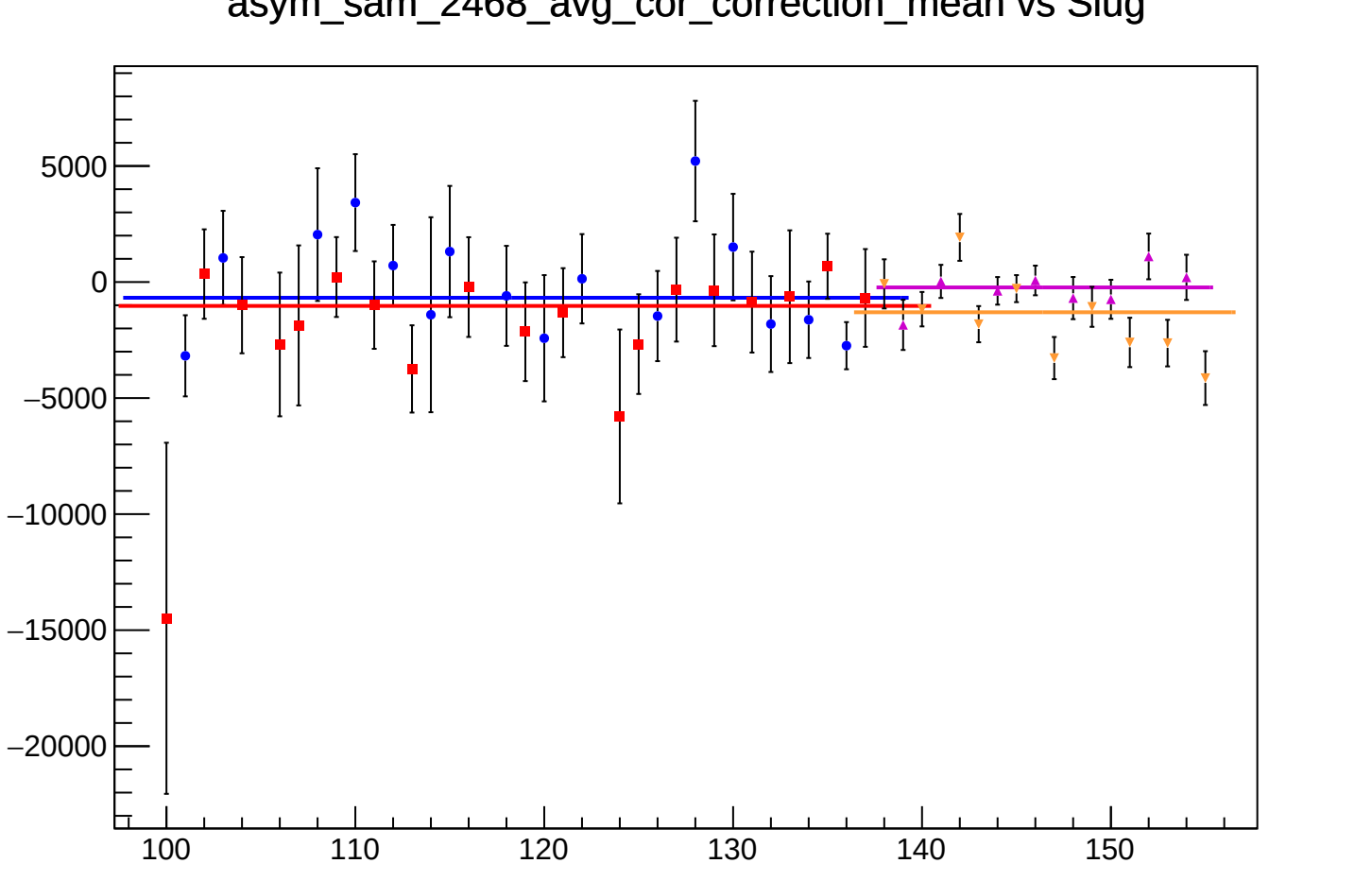
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.804+/-0.020 χ^2/NDF:125256.5/7

+ sign 81.495+/-0.015 χ^2/NDF: 838541.1/25

All: 81.953+/-0.011 χ^2/NDF: 1765792.3/52

- sign 82.446+/-0.016 χ^2/NDF: 925357.4/26



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1302.585+/-272.465 χ^2/NDF:29.1/9

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

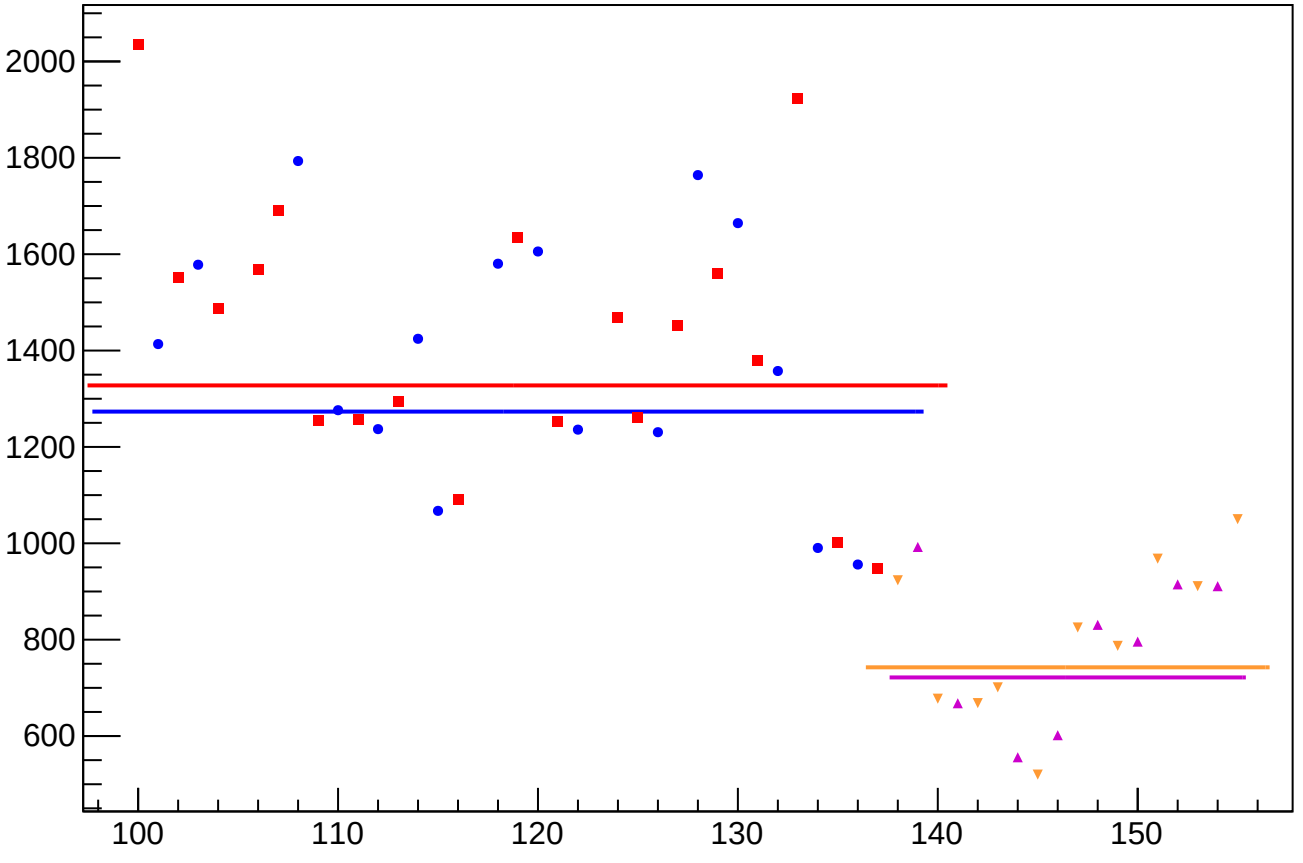
Left In: -231.912+/-279.379 χ^2/NDF:5.3/7

+ sign -1153.290+/-237.720 χ^2/NDF: 50.6/25

All: -797.165+/-170.114 χ^2/NDF: 73.5/52

- sign -423.390+/-243.540 χ^2/NDF: 18.2/26

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 742.622+/-0.193 χ^2/NDF:691872.4/9

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

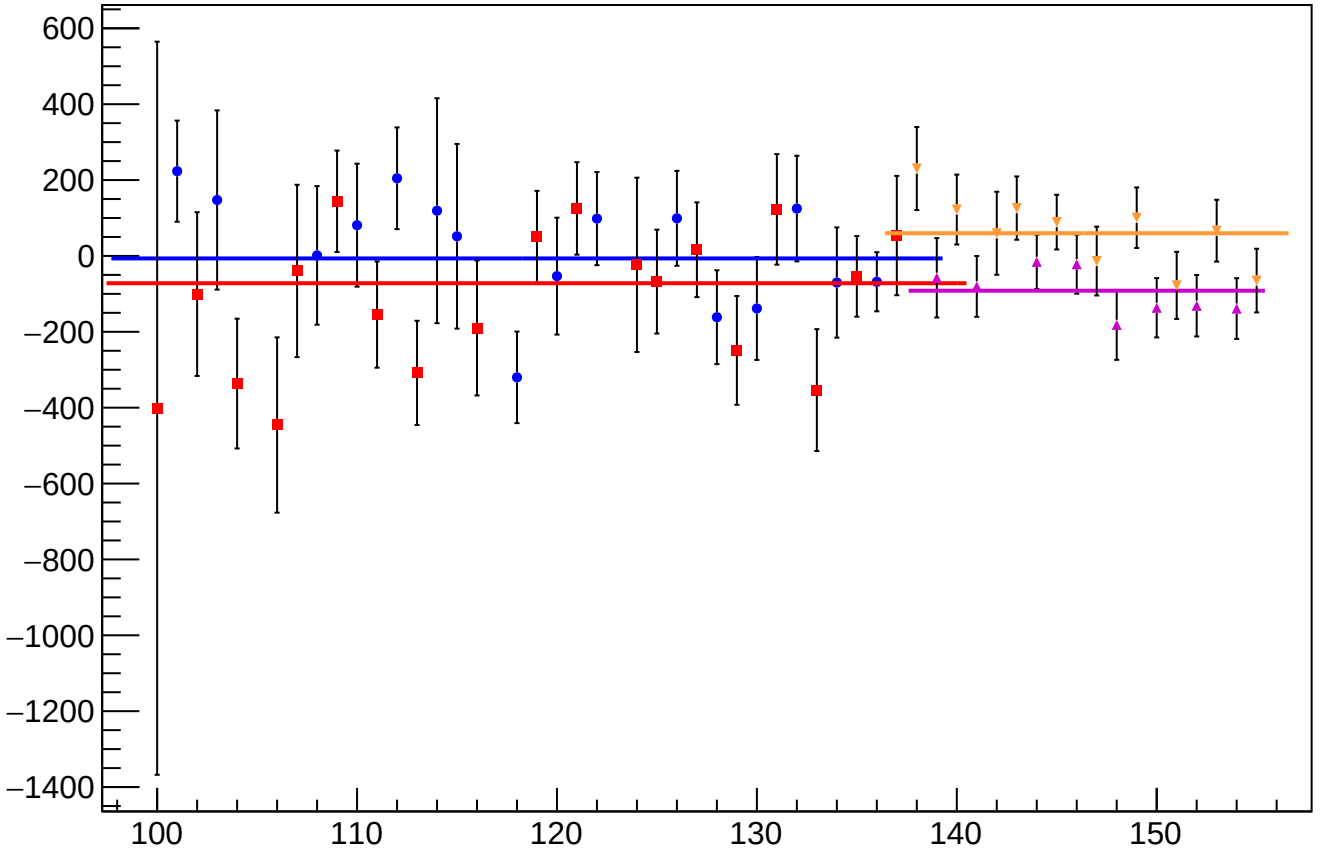
Left In: 721.637+/-0.198 χ^2/NDF:559692.8/7

+ sign 869.345+/-0.168 χ^2/NDF: 3101233.3/25

All: 868.272+/-0.120 χ^2/NDF: 6379029.3/52

- sign 867.145+/-0.172 χ^2/NDF: 3277712.5/26

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 59.838+/-27.525 χ^2/NDF:9.2/9

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

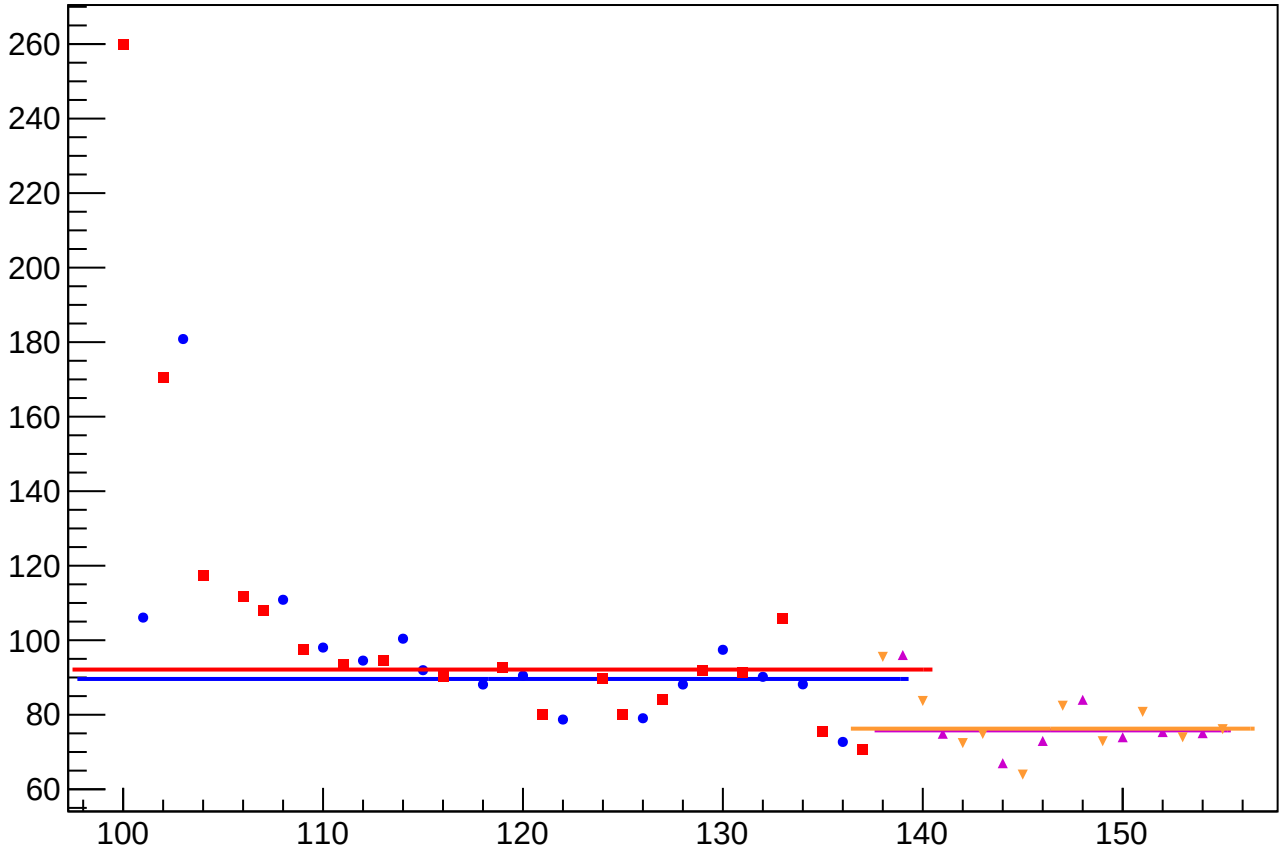
Left In: -91.700+/-28.891 χ^2/NDF:3.9/7

+ sign 33.813+/-21.464 χ^2/NDF: 30.4/25

All: -22.818+/-15.448 χ^2/NDF: 71.8/52

- sign -83.677+/-22.251 χ^2/NDF: 26.9/26

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.269+/-0.019 χ^2/NDF:156184.3/9

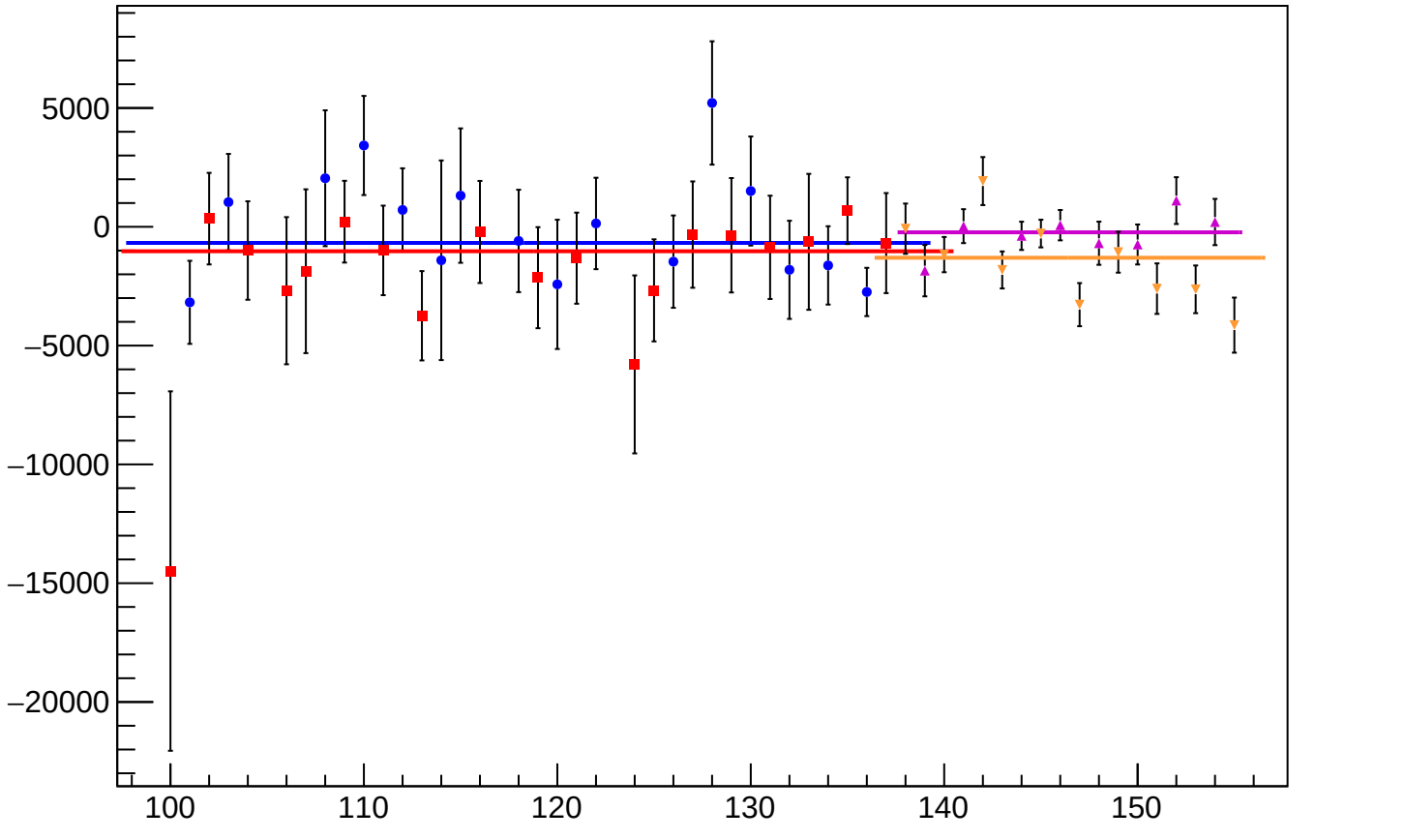
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.804+/-0.020 χ^2/NDF:125256.5/7

\+ sign 81.495+/-0.015 χ^2/NDF: 838541.1/25

All: 81.953+/-0.011 χ^2/NDF: 1765792.3/52

\- sign 82.446+/-0.016 χ^2/NDF: 925357.4/26



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1302.585+/-272.465 χ^2/NDF:29.1/9

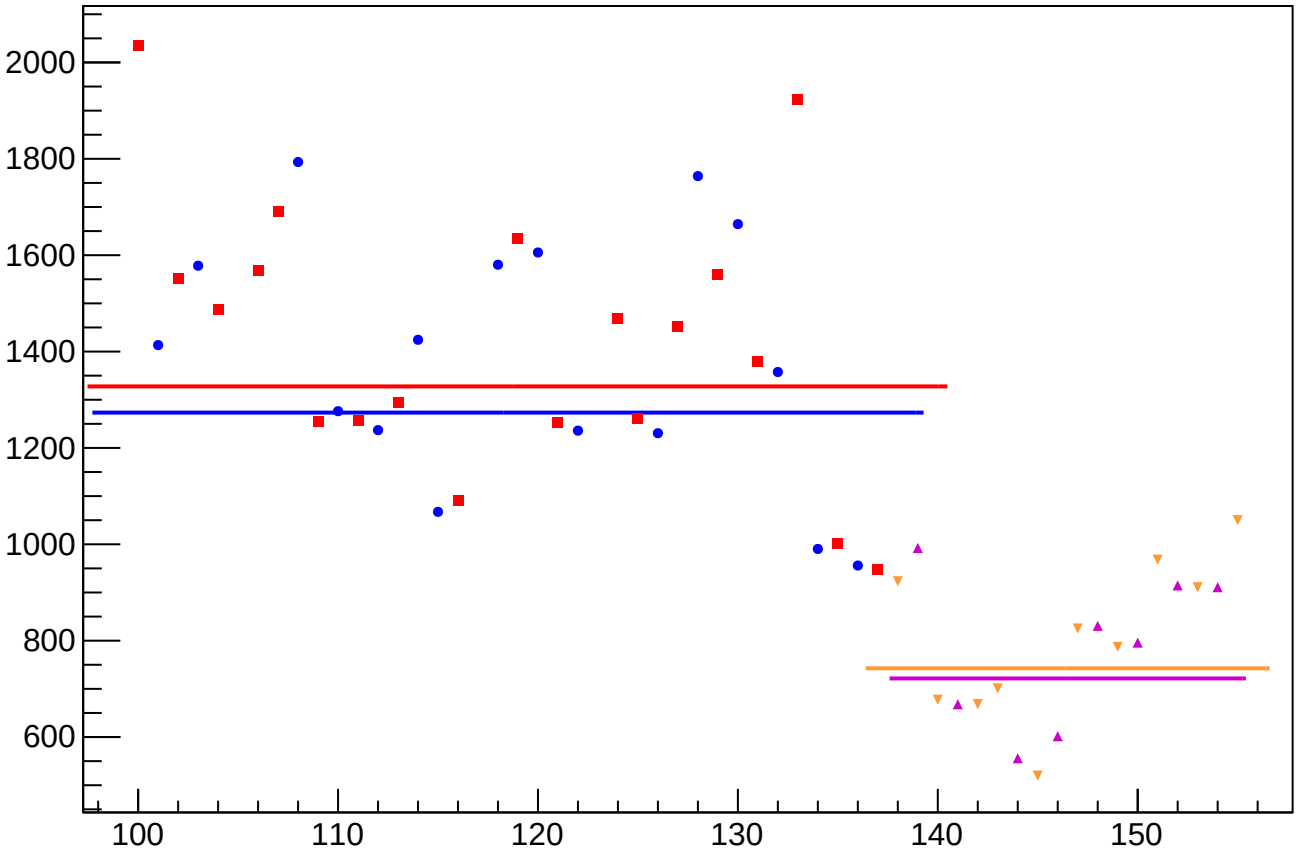
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -231.912+/-279.379 χ^2/NDF:5.3/7

+ sign -1153.290+/-237.720 χ^2/NDF: 50.6/25

All: -797.165+/-170.114 χ^2/NDF: 73.5/52

- sign -423.390+/-243.540 χ^2/NDF: 18.2/26



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 742.622+/-0.193 χ^2/NDF:691872.4/9

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

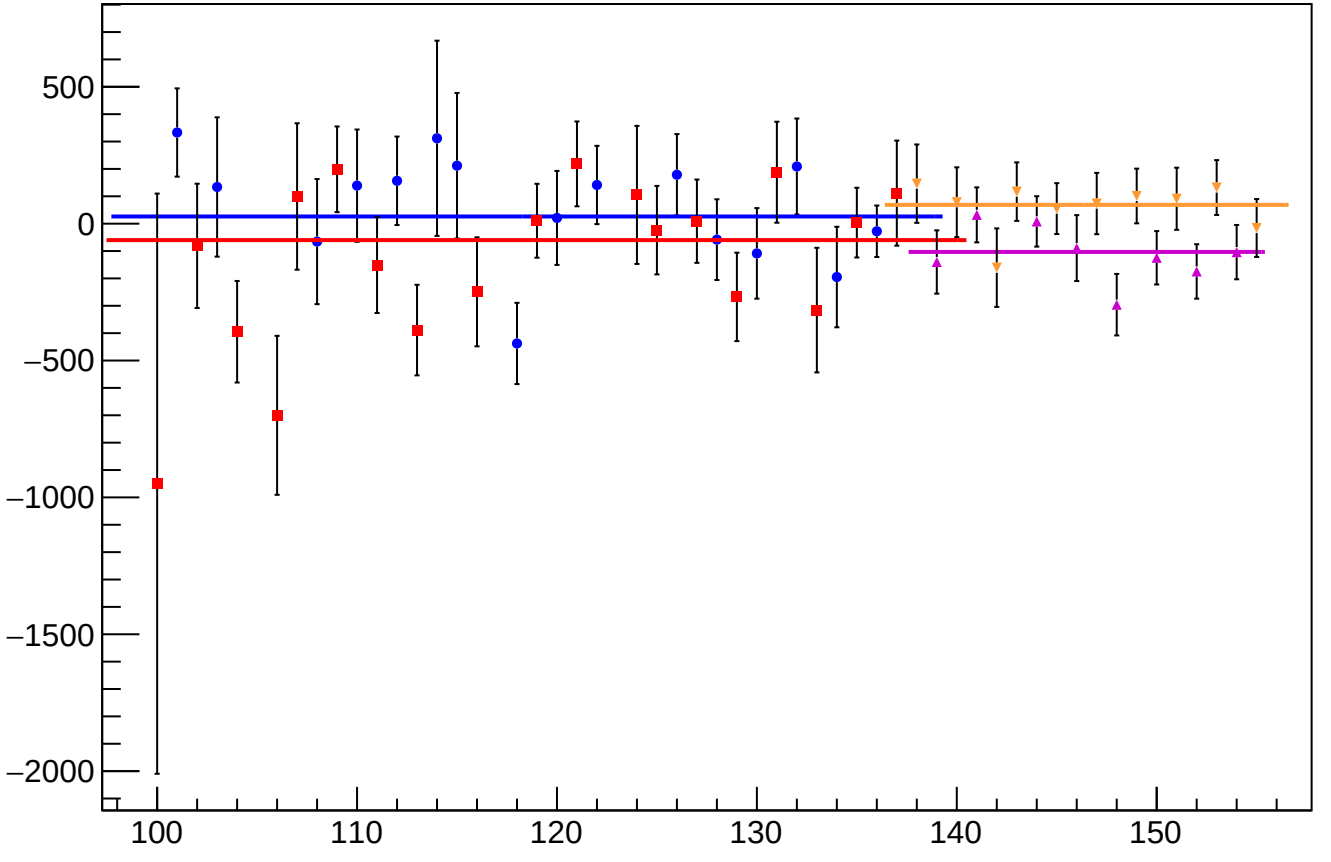
Left In: 721.637+/-0.198 χ^2/NDF:559692.8/7

+ sign 869.345+/-0.168 χ^2/NDF: 3101233.3/25

All: 868.272+/-0.120 χ^2/NDF: 6379029.3/52

- sign 867.145+/-0.172 χ^2/NDF: 3277712.5/26

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 68.679+/-35.166 χ^2/NDF:4.3/9

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

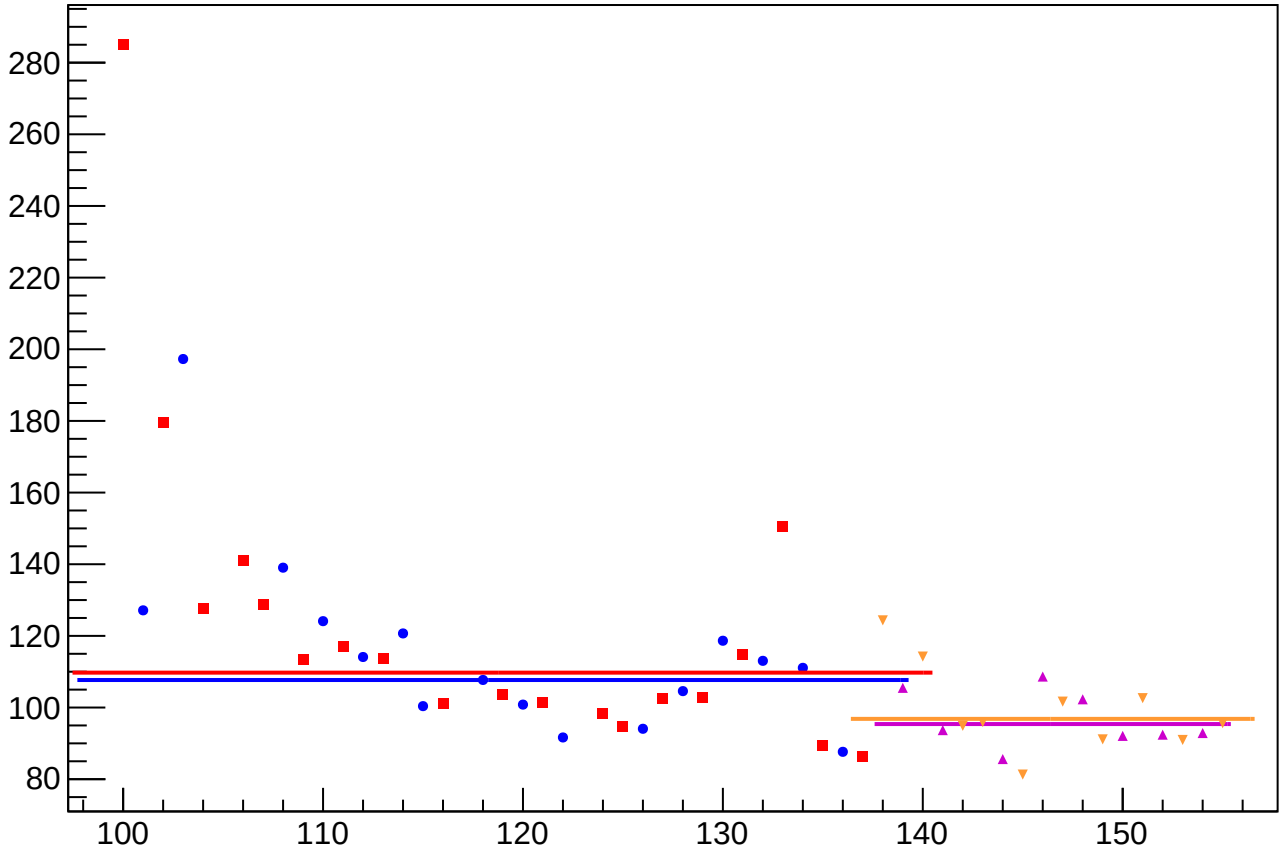
Left In: -103.267+/-36.564 χ^2/NDF:6.9/7

+ sign 50.807+/-26.753 χ^2/NDF: 26.2/25

All: -15.087+/-19.156 χ^2/NDF: 73.2/52

- sign -84.424+/-27.443 χ^2/NDF: 34.5/26

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.838+/-0.025 χ^2/NDF:189892.5/9

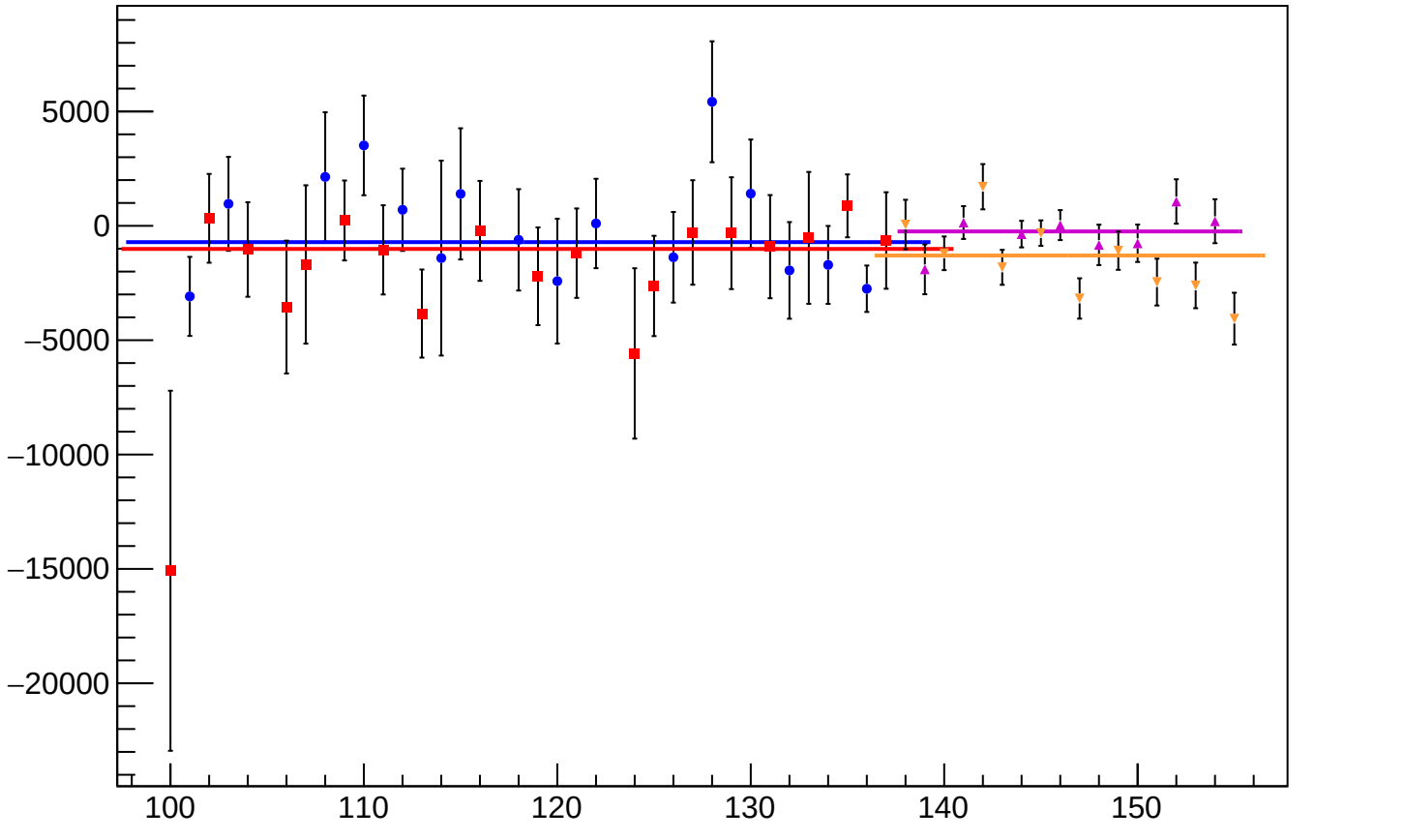
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 95.389+/-0.026 χ^2/NDF:75519.8/7

+ sign 101.405+/-0.019 χ^2/NDF: 753101.1/25

All: 101.527+/-0.014 χ^2/NDF: 1455021.4/52

- sign 101.656+/-0.019 χ^2/NDF: 701834.6/26



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1297.846+/-266.246 χ^2/NDF:27.9/9

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

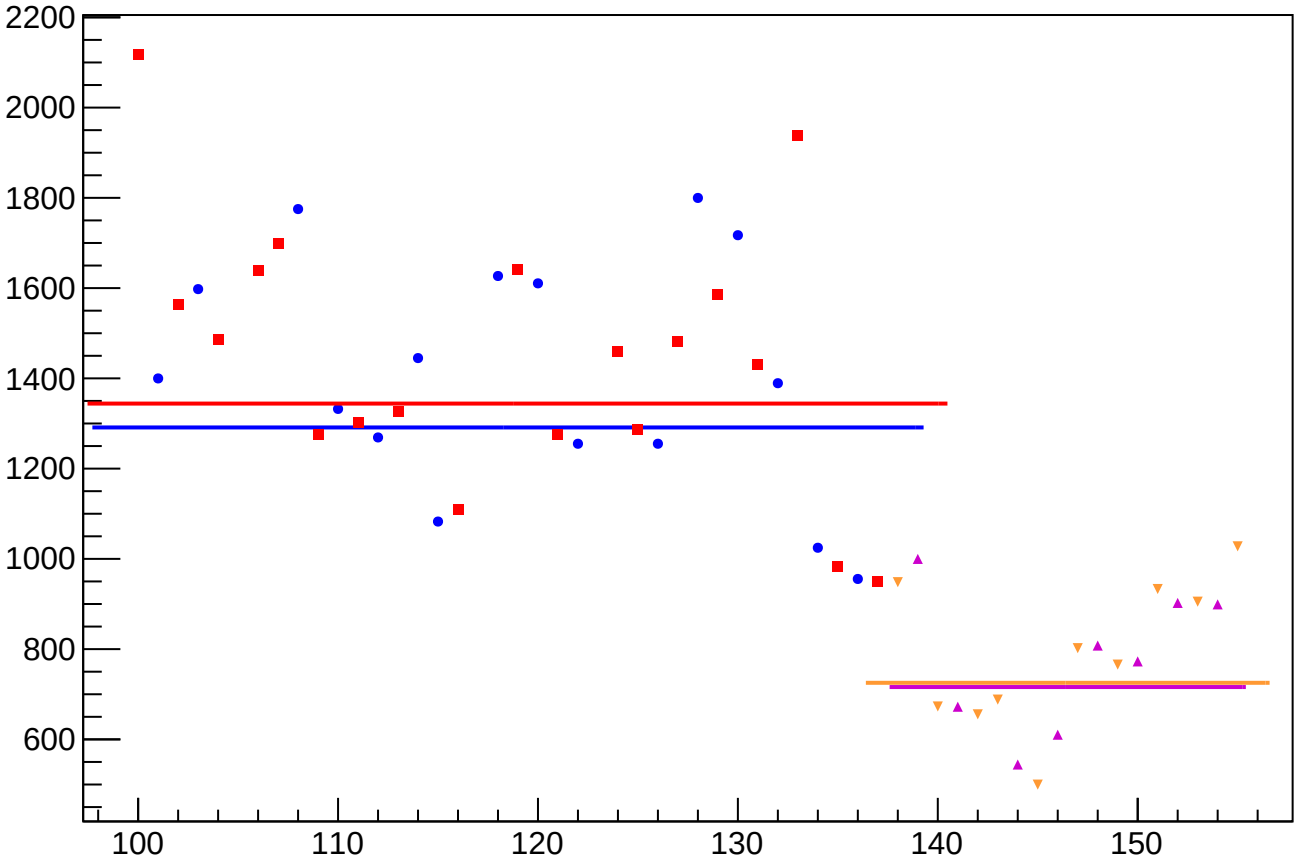
Left In: -245.421+/-277.352 χ^2/NDF:5.7/7

+ sign -1165.866+/-234.293 χ^2/NDF: 49.1/25

All: -808.331+/-168.562 χ^2/NDF: 73.2/52

- sign -424.700+/-242.693 χ^2/NDF: 19.2/26

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 725.395+/-0.188 χ^2/NDF:747550.5/9

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

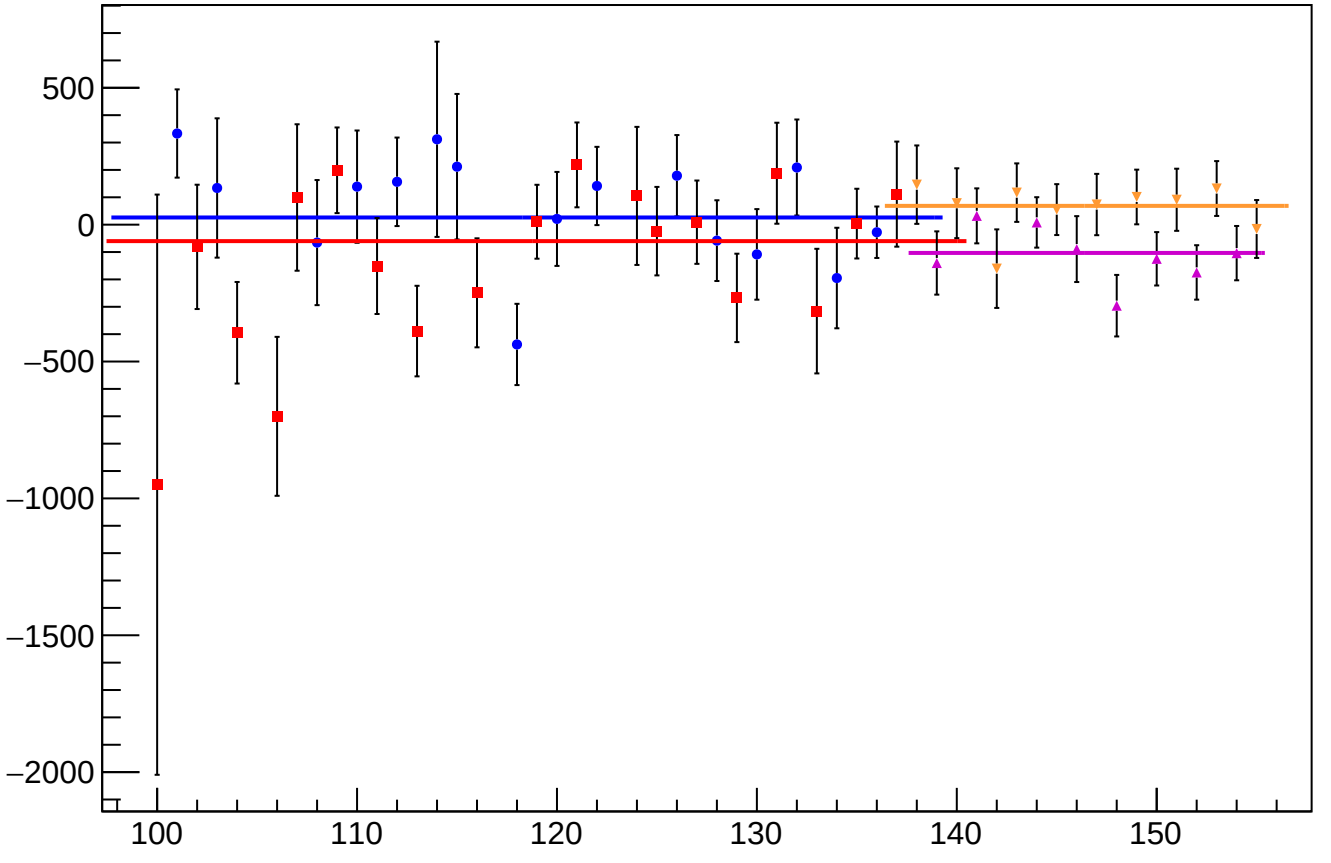
Left In: 715.992+/-0.196 χ^2/NDF:547420.9/7

+ sign 853.058+/-0.166 χ^2/NDF: 3396490.3/25

All: 857.935+/-0.119 χ^2/NDF: 6840221.4/52

- sign 863.168+/-0.172 χ^2/NDF: 3441934.5/26

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 68.680+/-35.166 χ^2/NDF:4.3/9

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

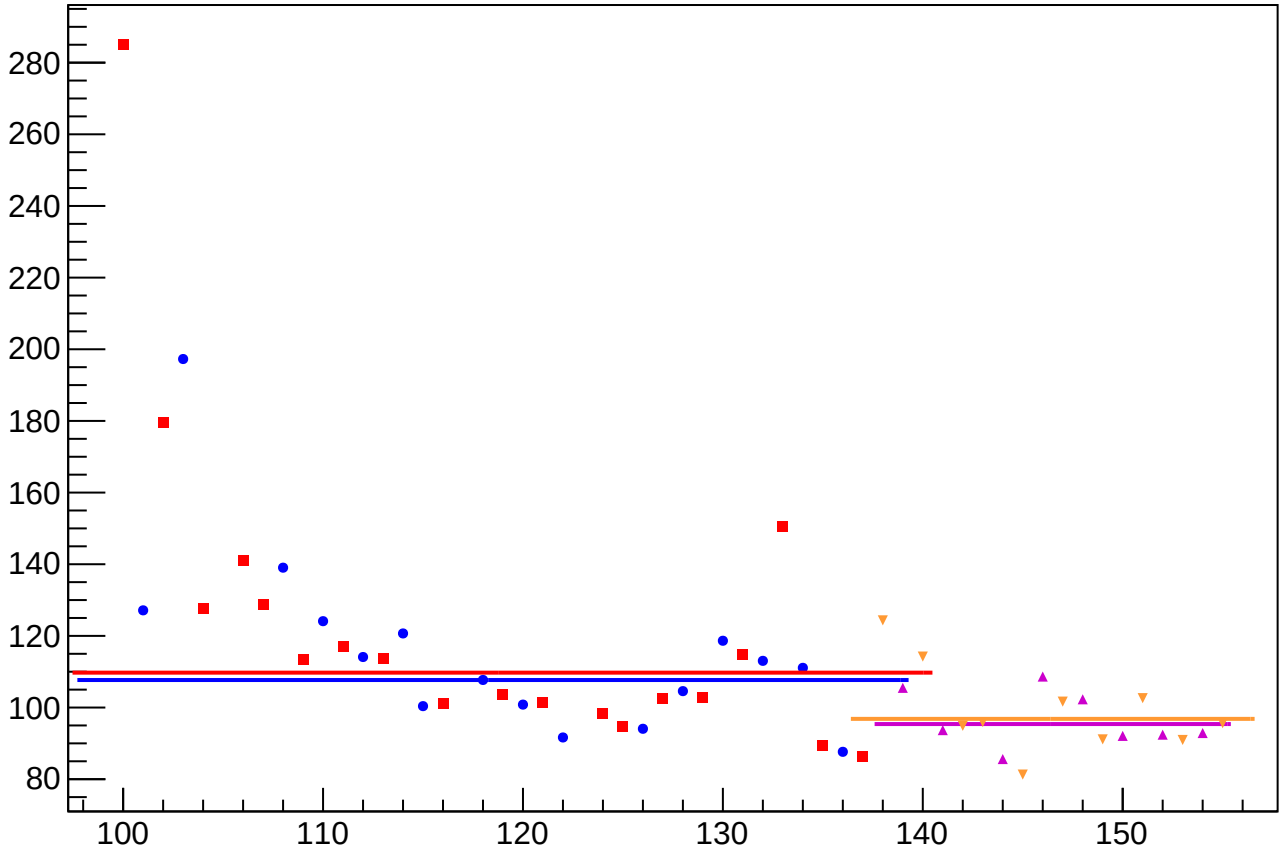
Left In: -103.267+/-36.564 χ^2/NDF:6.9/7

+ sign 50.807+/-26.753 χ^2/NDF: 26.2/25

All: -15.086+/-19.156 χ^2/NDF: 73.2/52

- sign -84.424+/-27.443 χ^2/NDF: 34.5/26

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 96.838+/-0.025 χ^2/NDF:189880.2/9

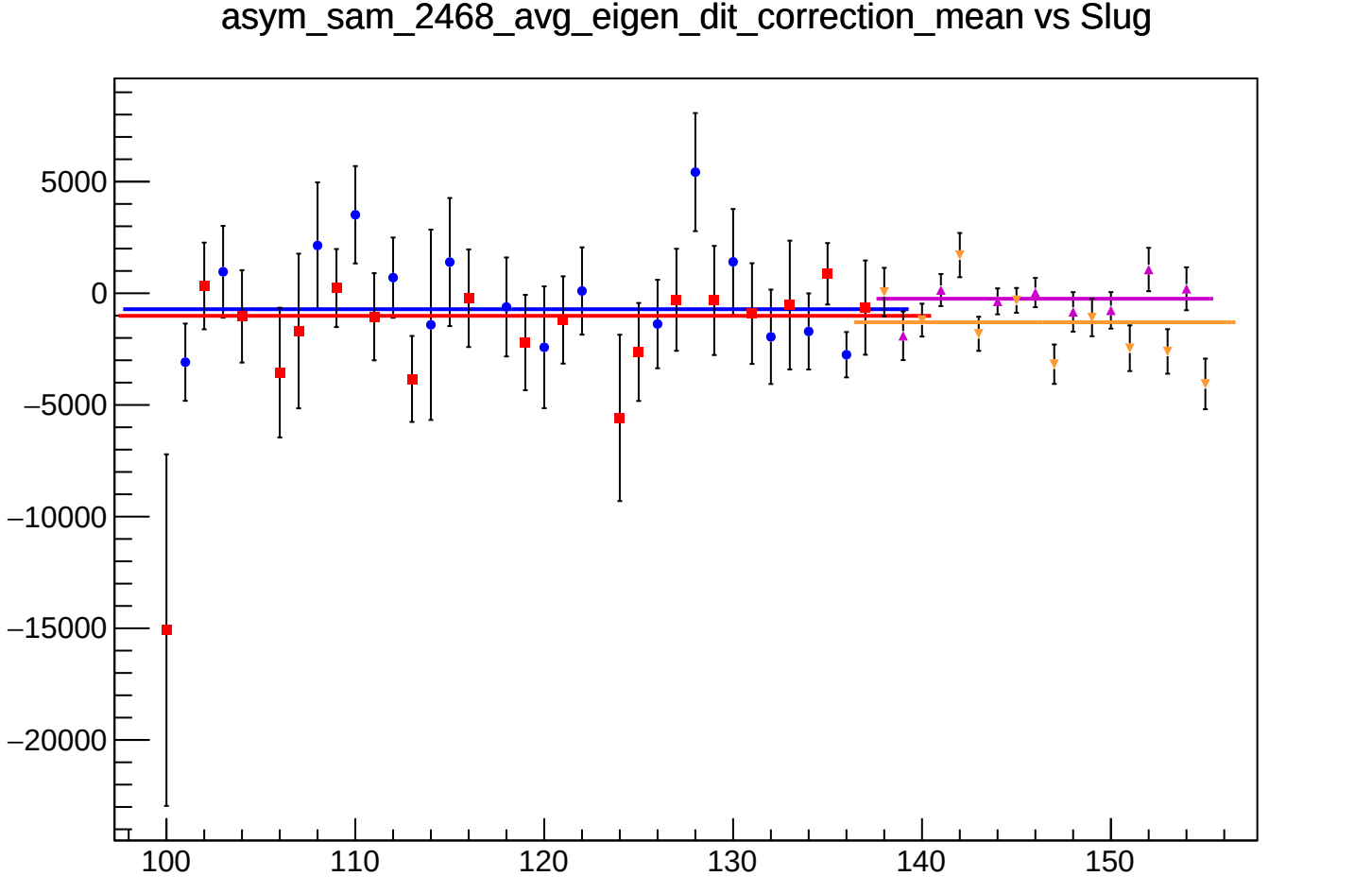
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 95.390+/-0.026 χ^2/NDF:75516.8/7

+ sign 101.405+/-0.019 χ^2/NDF: 753057.5/25

All: 101.527+/-0.014 χ^2/NDF: 1454952.1/52

- sign 101.656+/-0.019 χ^2/NDF: 701808.9/26



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1297.844+/-266.246 χ^2/NDF:27.9/9

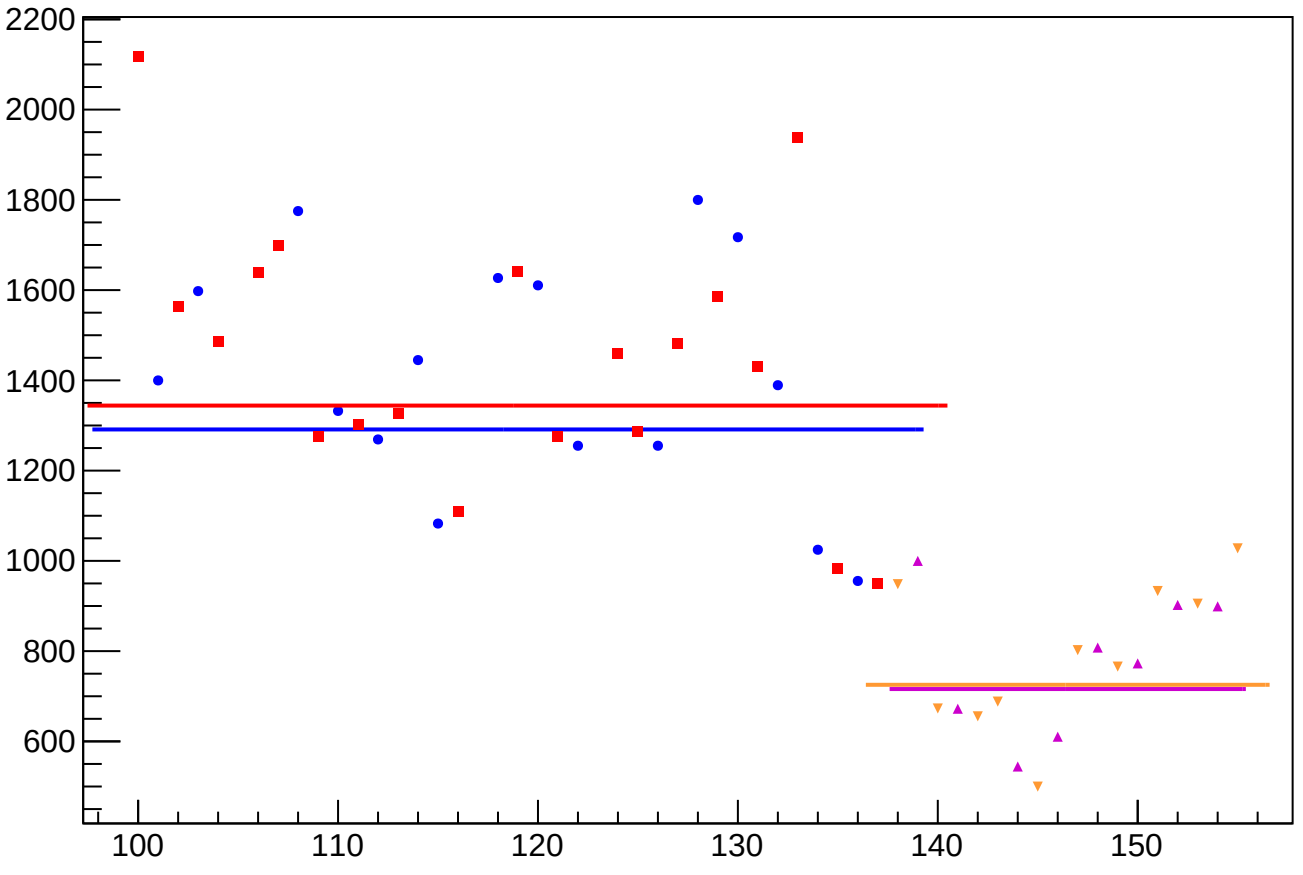
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -245.421+/-277.351 χ^2/NDF:5.7/7

+ sign -1165.864+/-234.293 χ^2/NDF: 49.1/25

All: -808.330+/-168.561 χ^2/NDF: 73.2/52

- sign -424.700+/-242.693 χ^2/NDF: 19.2/26



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 725.393+/-0.188 χ^2/NDF:747557.6/9

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

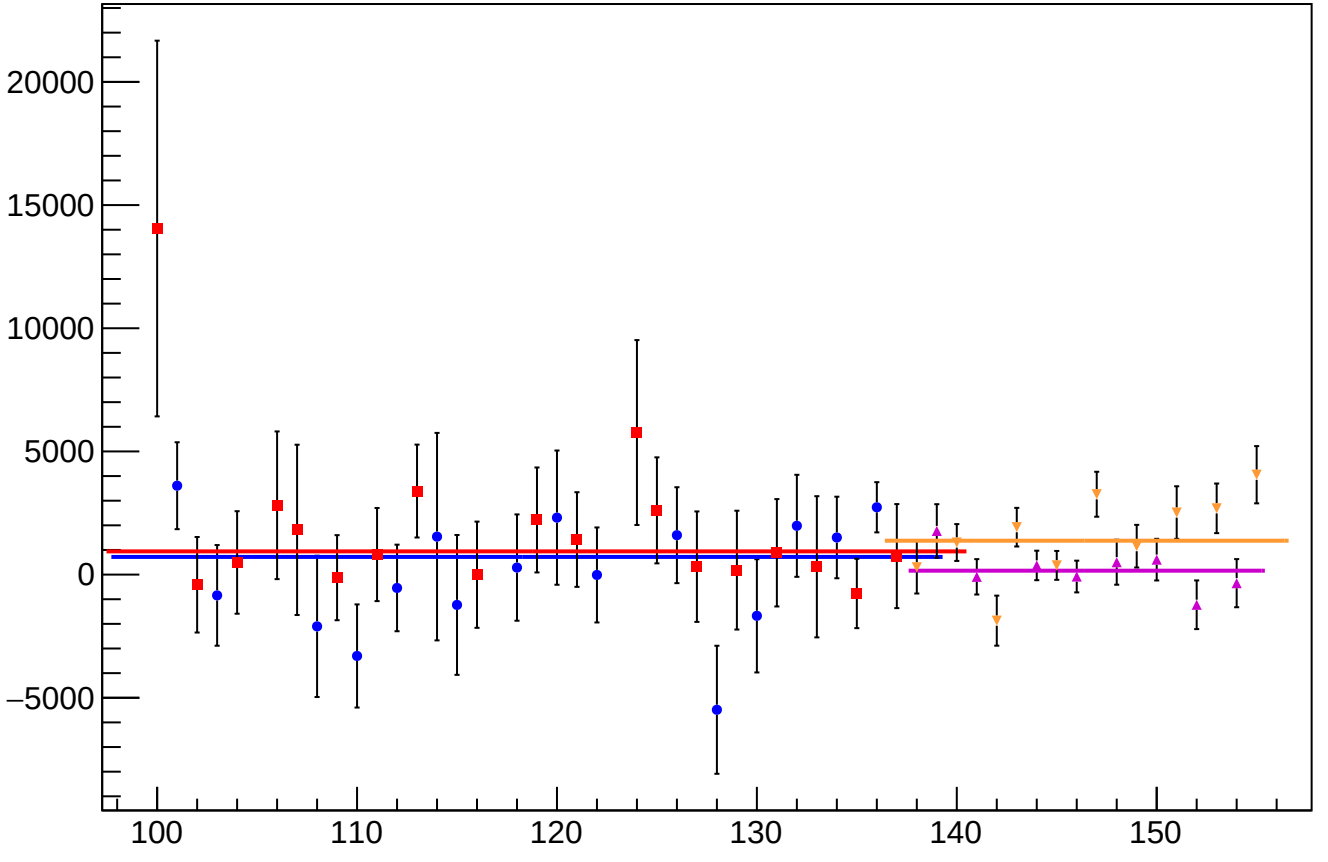
Left In: 715.991+/-0.196 χ^2/NDF:547420.8/7

\+ sign 853.056+/-0.166 χ^2/NDF: 3396494.8/25

All: 857.934+/-0.119 χ^2/NDF: 6840219.0/52

\- sign 863.167+/-0.172 χ^2/NDF: 3441927.4/26

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1376.168+/-274.056 χ^2/NDF:27.1/9

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

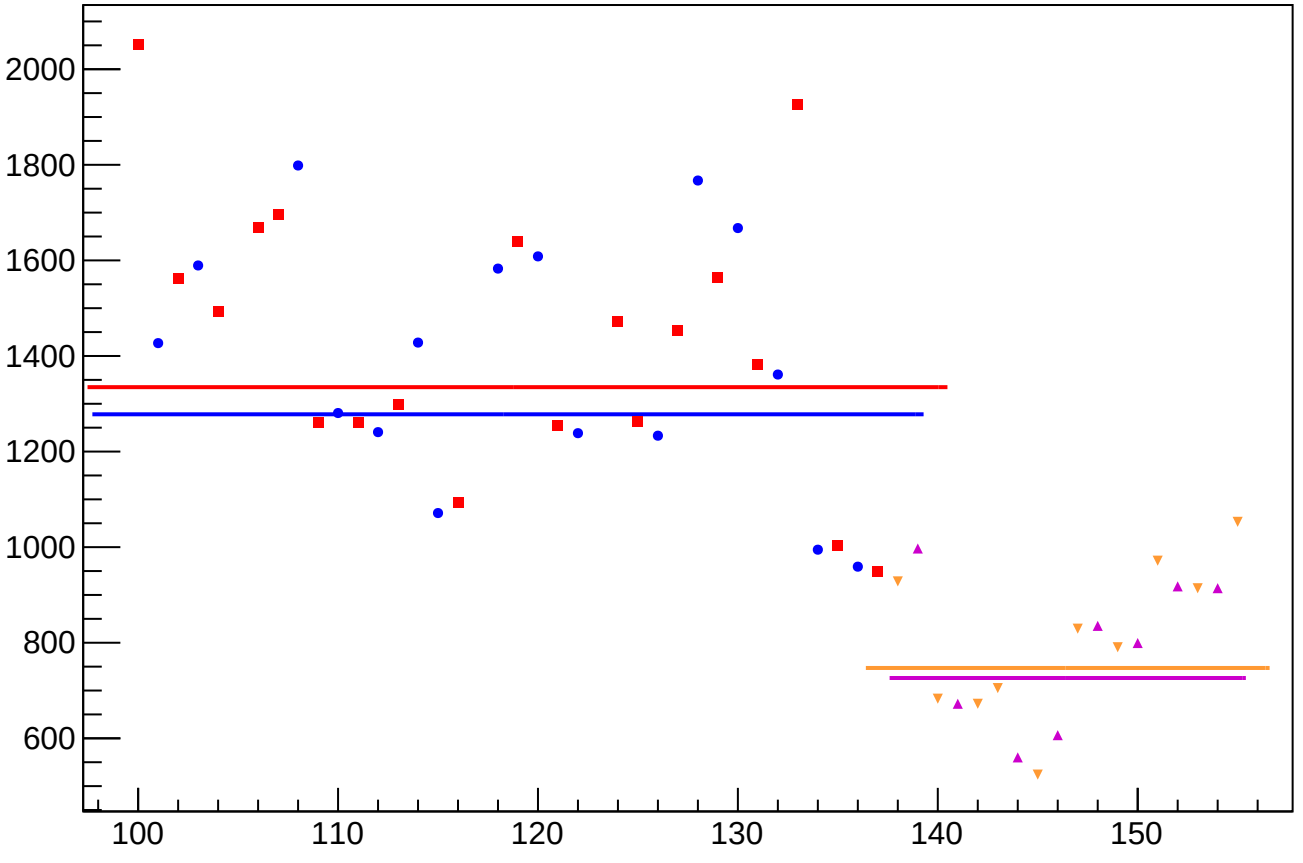
Left In: 158.568+/-281.063 χ^2/NDF:5.2/7

+ sign 1218.387+/-238.981 χ^2/NDF: 49.5/25

All: 793.557+/-170.997 χ^2/NDF: 73.7/52

- sign 347.873+/-244.776 χ^2/NDF: 17.7/26

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 747.214+/-0.194 χ^2/NDF:681840.4/9

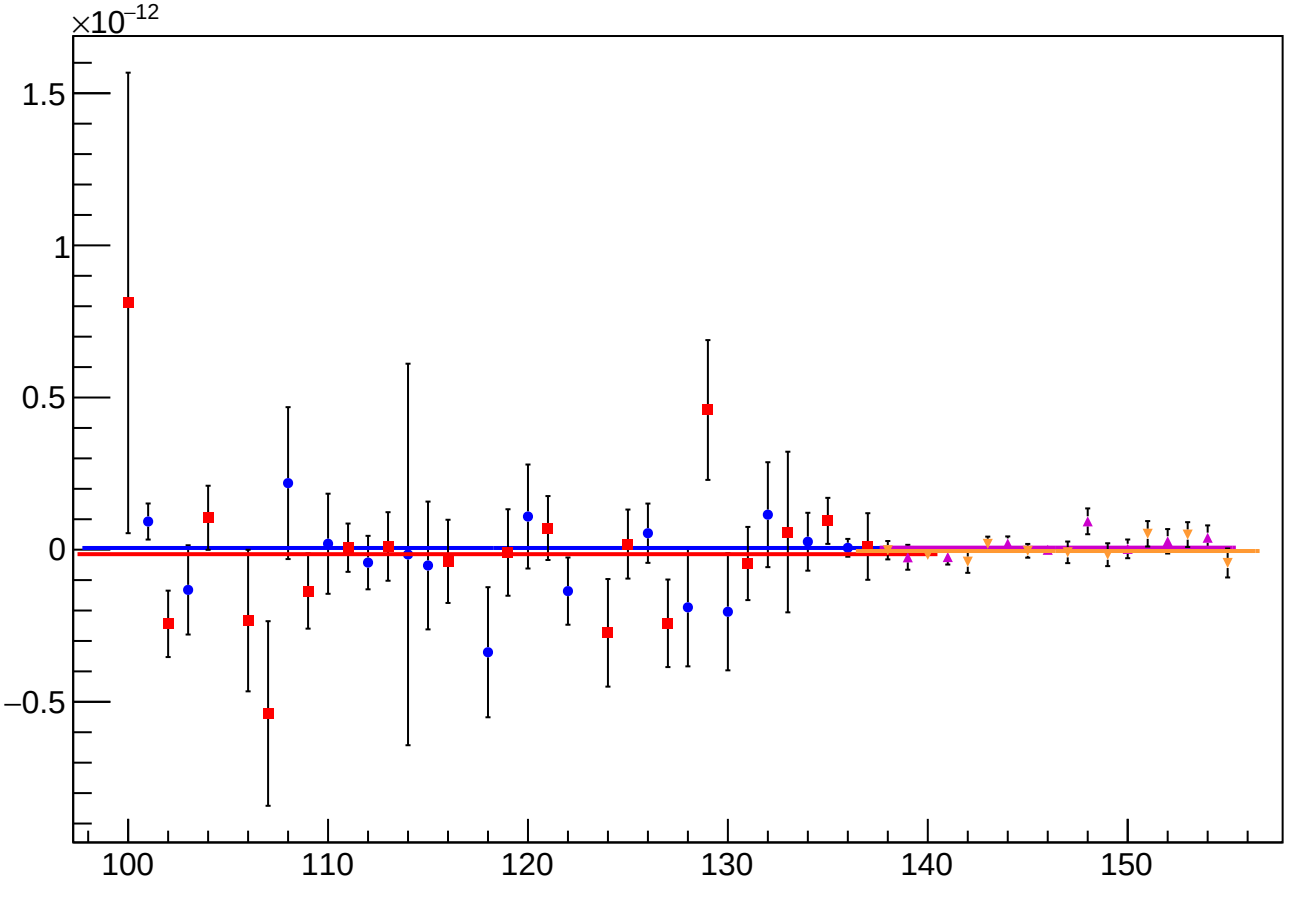
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 726.227+/-0.199 χ^2/NDF:551474.9/7

+ sign 874.379+/-0.169 χ^2/NDF: 3076799.9/25

All: 873.811+/-0.121 χ^2/NDF: 6364855.8/52

- sign 873.216+/-0.173 χ^2/NDF: 3288032.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/9

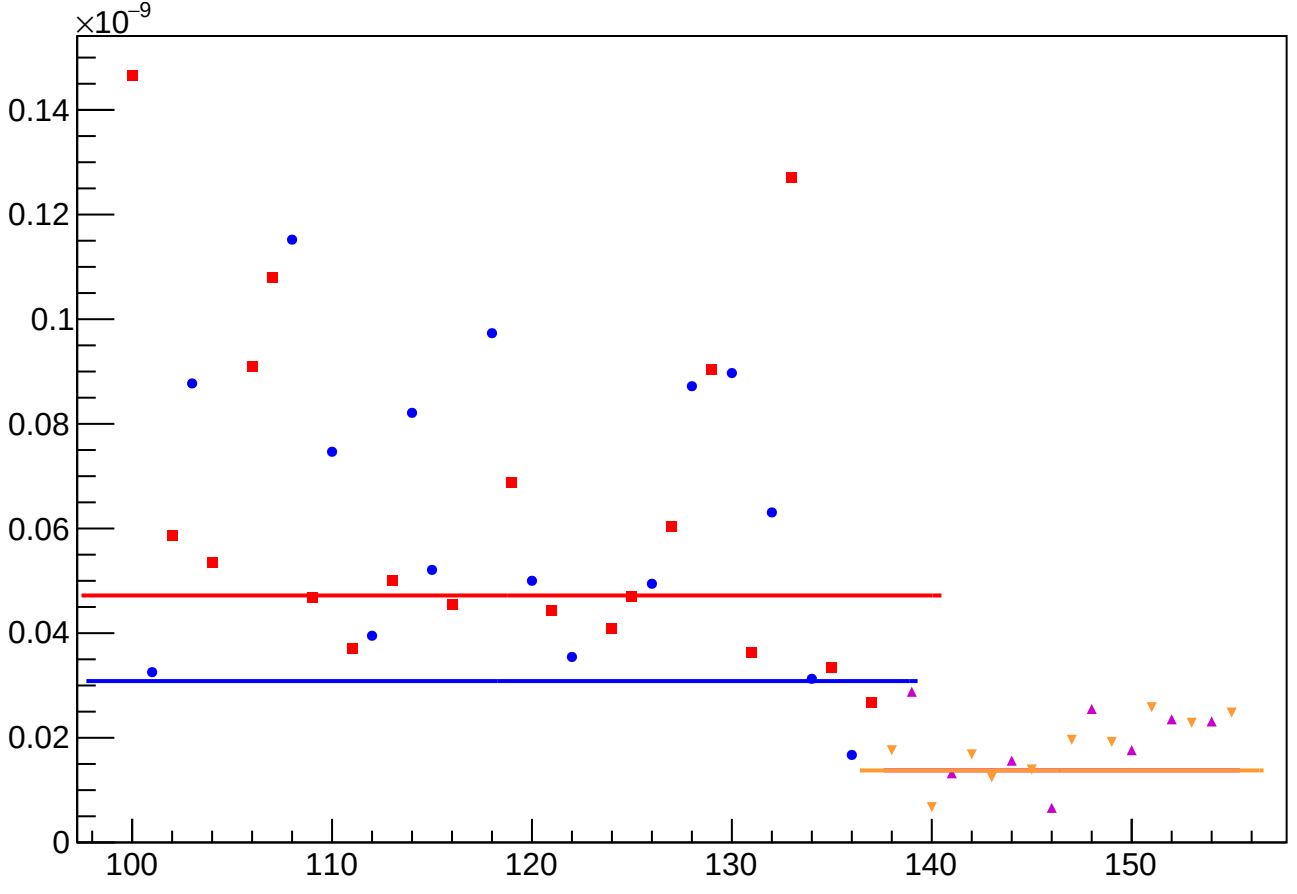
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/7

+ sign -0.000+/-0.000 χ^2/NDF: 18.8/25

All: 0.000+/-0.000 χ^2/NDF: 51.3/52

- sign 0.000+/-0.000 χ^2/NDF: 32.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:947165.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

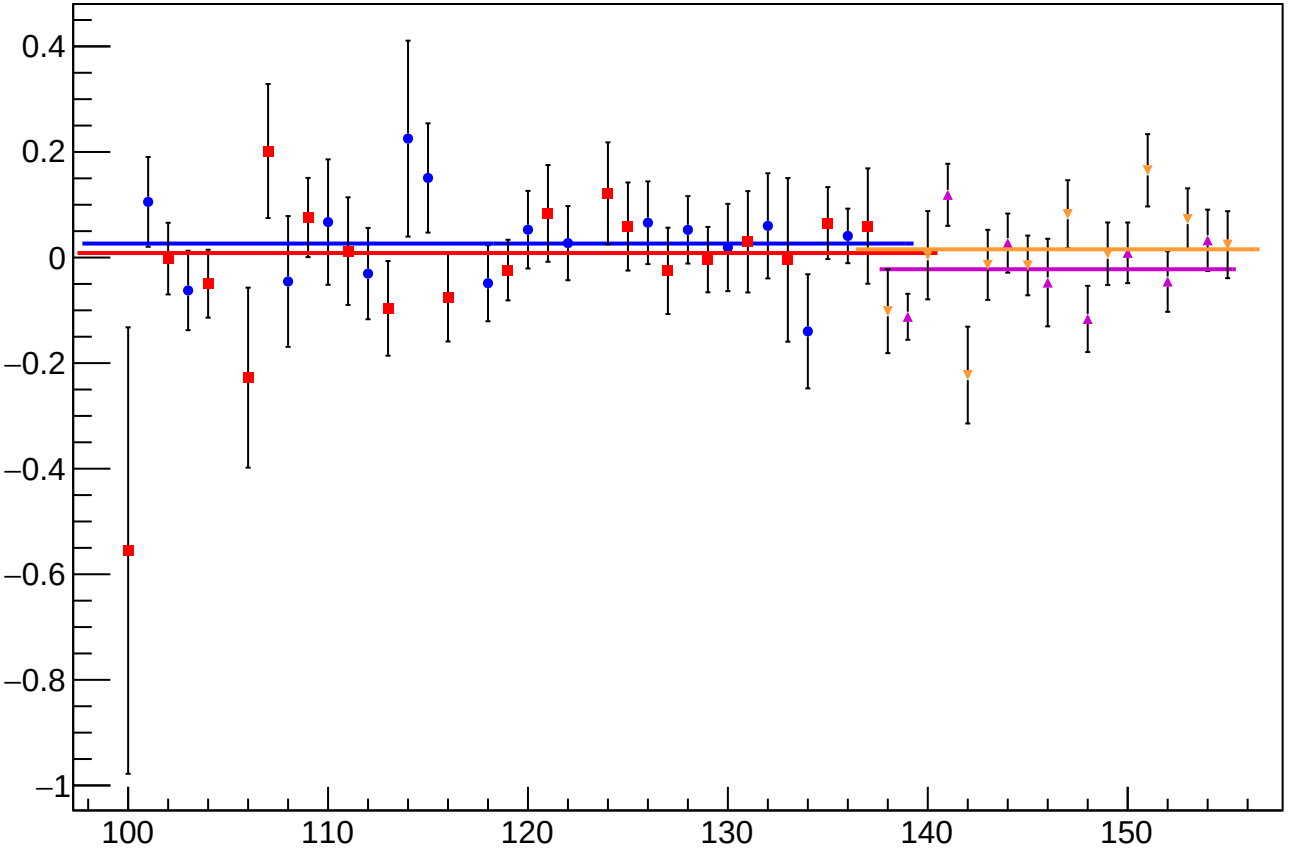
Left In: 0.000+/-0.000 χ^2/NDF:1177762.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 3935954.3/25

All: 0.000+/-0.000 χ^2/NDF: 8312550.3/52

- sign 0.000+/-0.000 χ^2/NDF: 4368526.0/26

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.016+/-0.021 χ^2/NDF:16.3/9

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

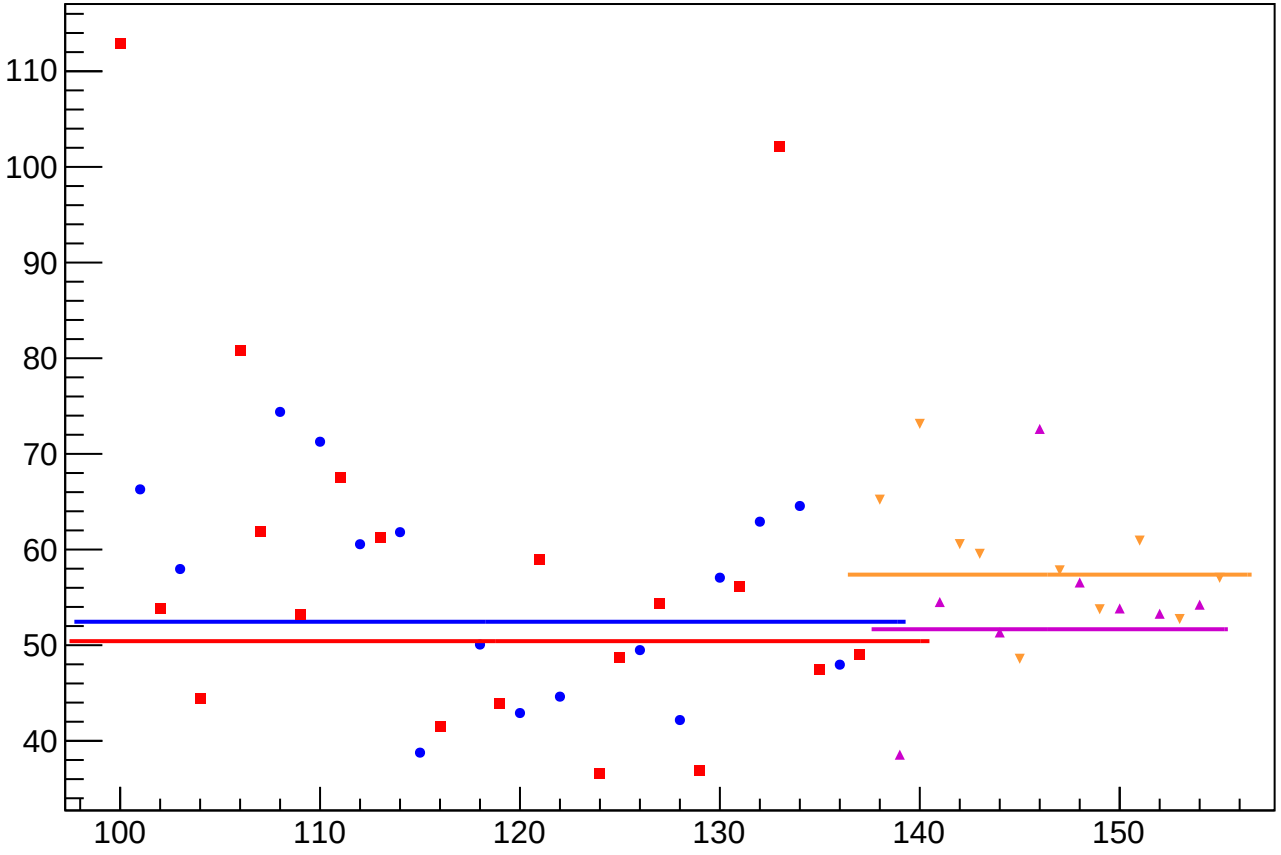
Left In: -0.022+/-0.020 χ^2/NDF:14.5/7

+ sign 0.021+/-0.015 χ^2/NDF: 26.4/25

All: 0.007+/-0.010 χ^2/NDF: 57.8/52

- sign -0.006+/-0.014 χ^2/NDF: 29.6/26

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.378+/-0.015 χ^2/NDF:169321.5/9

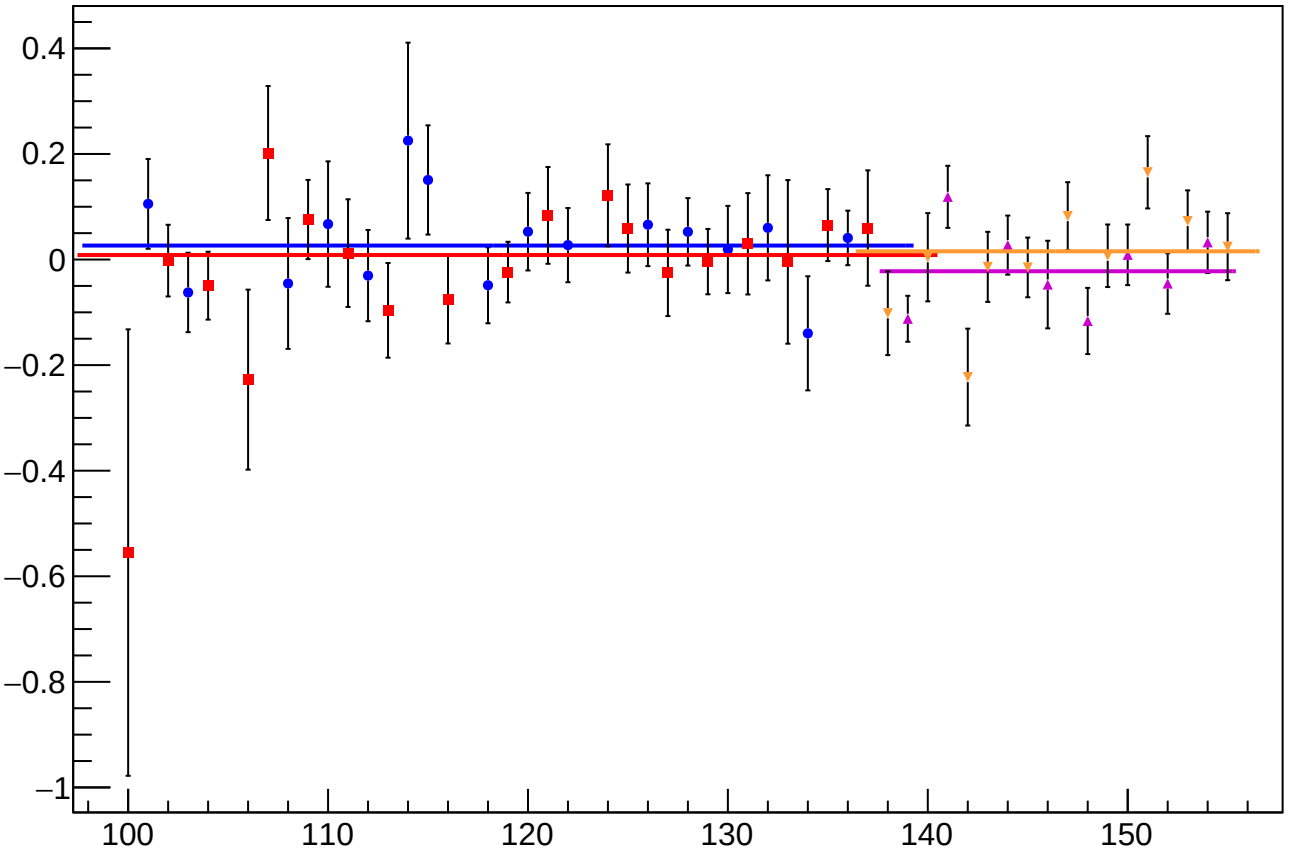
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.669+/-0.014 χ^2/NDF:334029.3/7

+ sign 54.831+/-0.010 χ^2/NDF: 643700.2/25

All: 52.843+/-0.007 χ^2/NDF: 1728821.1/52

- sign 51.022+/-0.010 χ^2/NDF: 1014708.8/26



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.016+/-0.021 χ^2/NDF:16.3/9

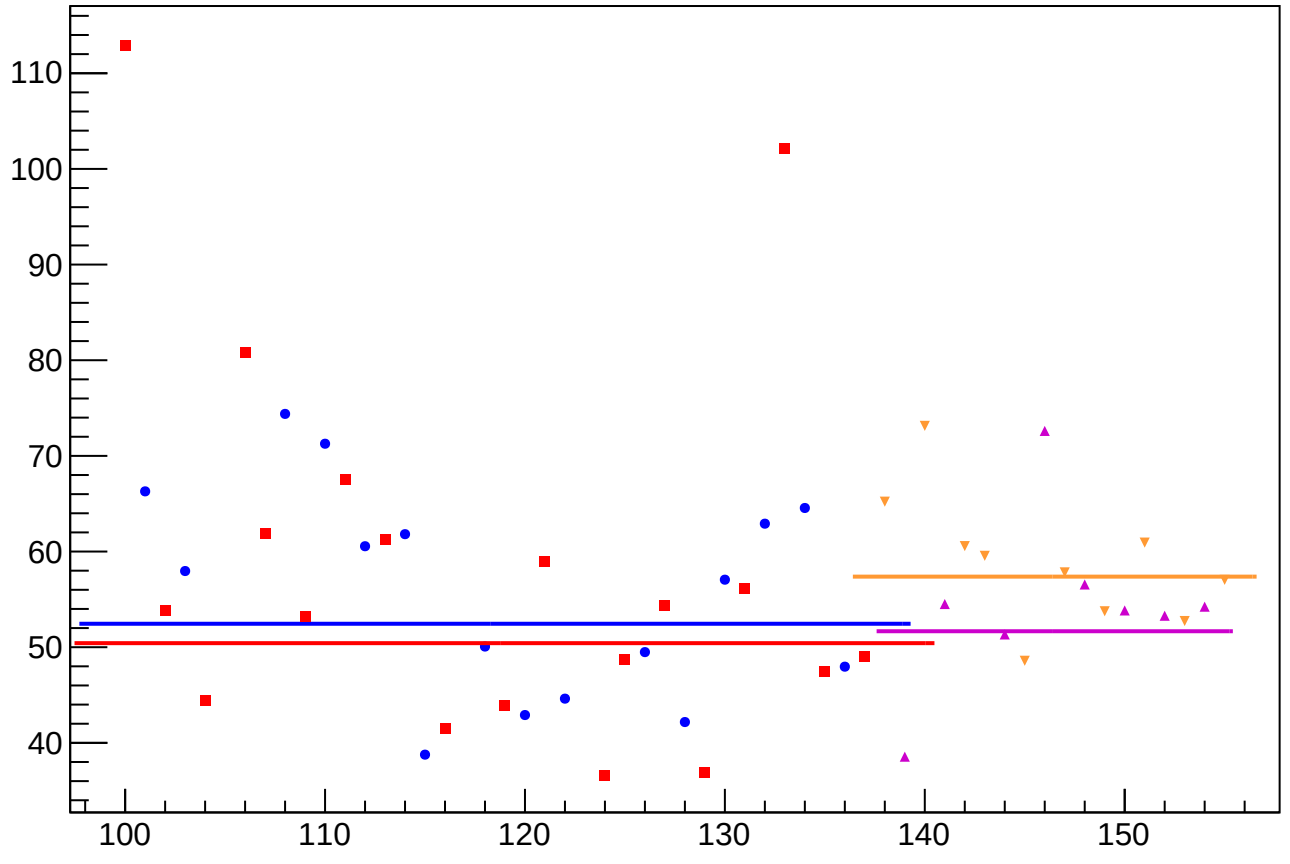
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.022+/-0.020 χ^2/NDF:14.5/7

+ sign 0.021+/-0.015 χ^2/NDF: 26.4/25

All: 0.007+/-0.010 χ^2/NDF: 57.8/52

- sign -0.006+/-0.014 χ^2/NDF: 29.6/26



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.378+/-0.015 χ^2/NDF:169321.5/9

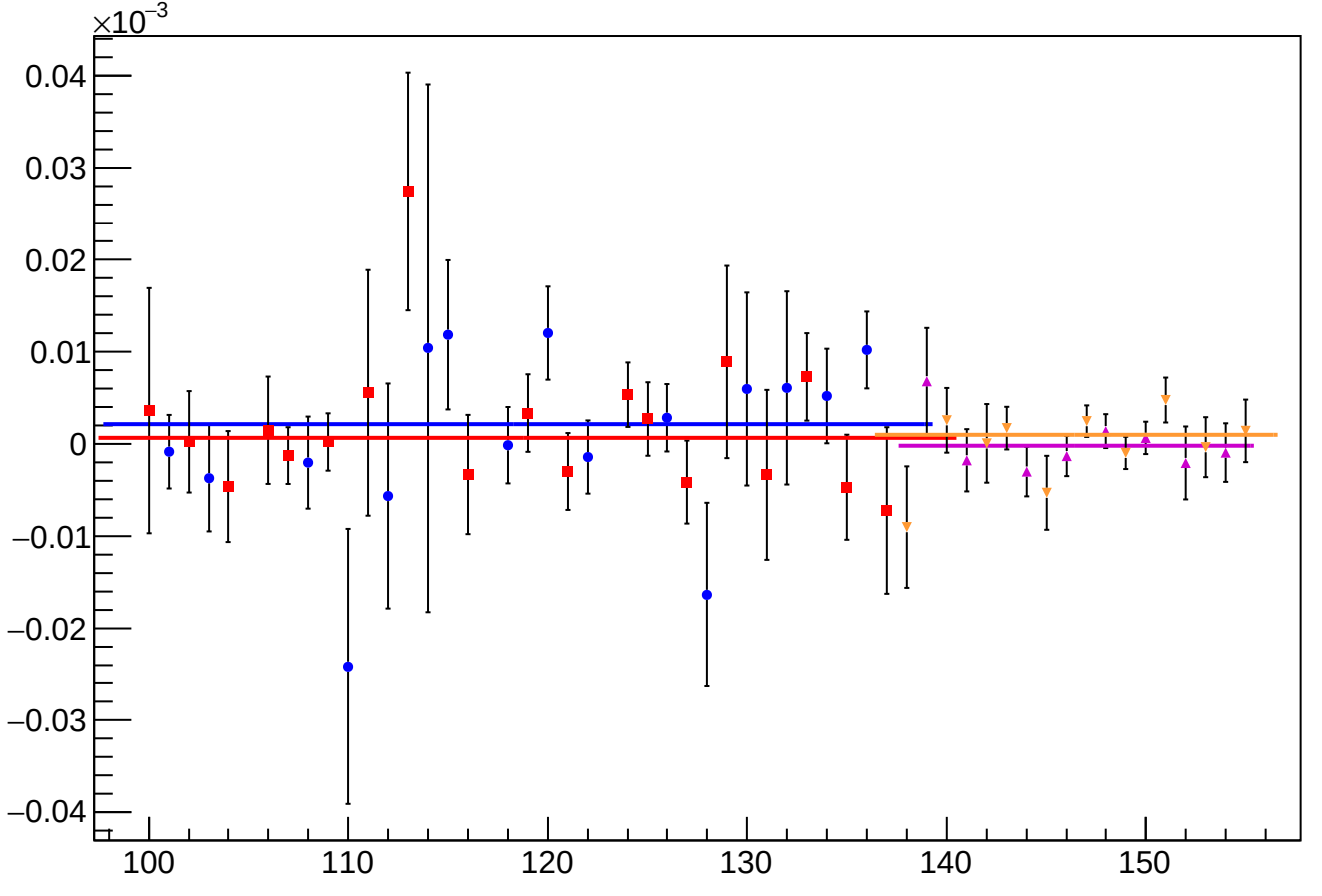
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.669+/-0.014 χ^2/NDF:334029.3/7

+ sign 54.831+/-0.010 χ^2/NDF: 643700.2/25

All: 52.843+/-0.007 χ^2/NDF: 1728821.1/52

- sign 51.022+/-0.010 χ^2/NDF: 1014708.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/9

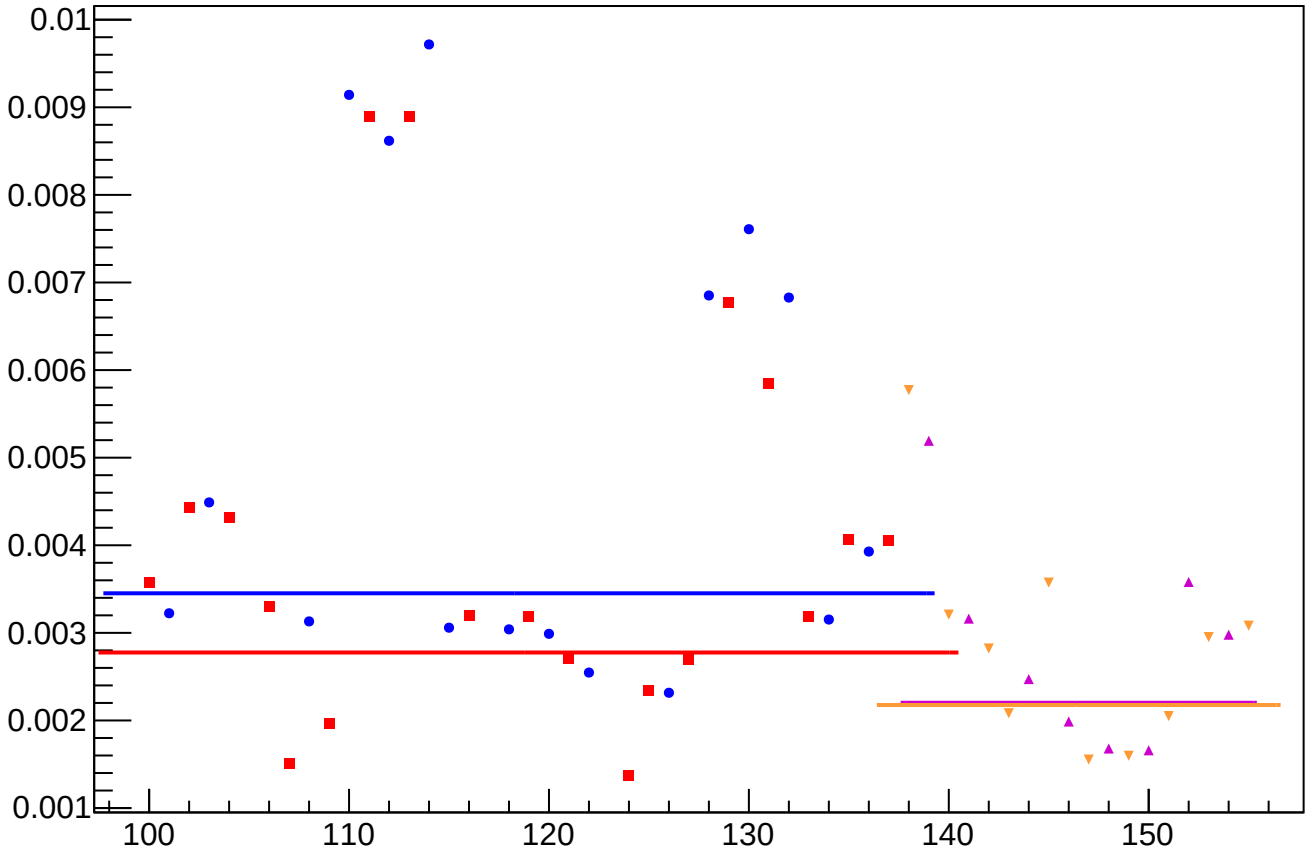
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/25

All: 0.000+/-0.000 χ^2/NDF: 51.1/52

- sign 0.000+/-0.000 χ^2/NDF: 19.5/26



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1809516.7/9

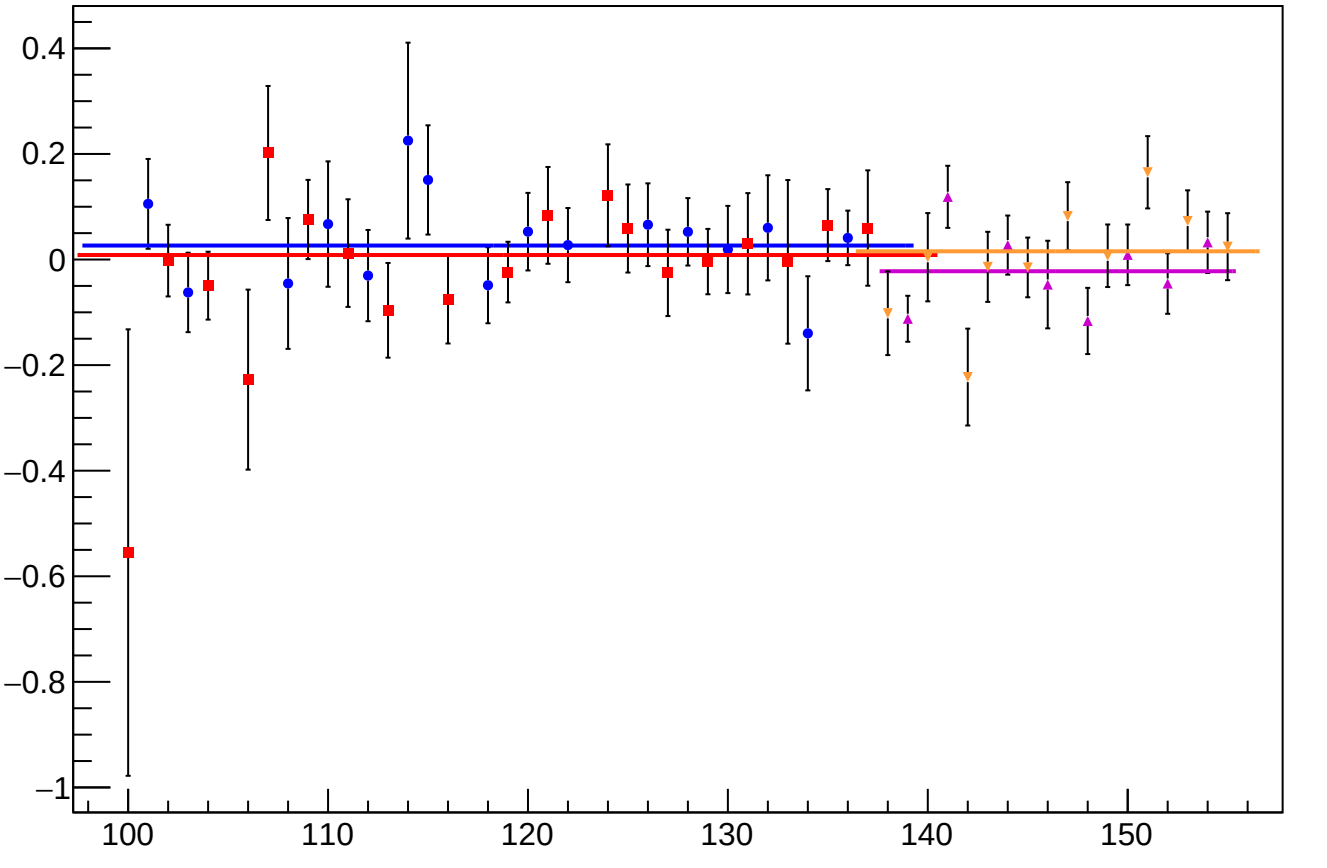
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1452786.6/7

+ sign 0.003+/-0.000 χ^2/NDF: 5002026.0/25

All: 0.002+/-0.000 χ^2/NDF: 9520018.2/52

- sign 0.002+/-0.000 χ^2/NDF: 4498737.4/26



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.016+/-0.021 χ^2/NDF:16.3/9

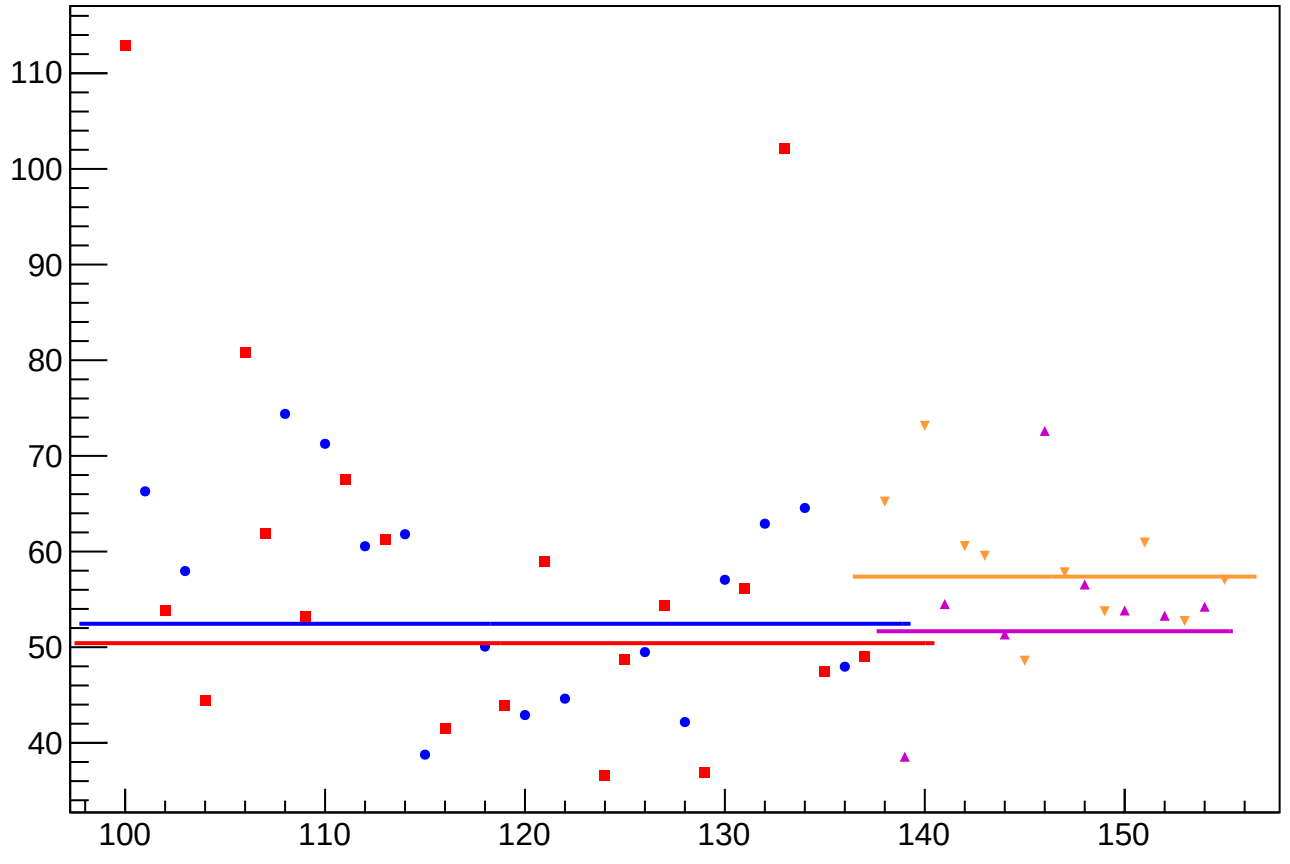
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.022+/-0.020 χ^2/NDF:14.5/7

+ sign 0.021+/-0.015 χ^2/NDF: 26.4/25

All: 0.007+/-0.010 χ^2/NDF: 57.8/52

- sign -0.006+/-0.014 χ^2/NDF: 29.6/26



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.379+/-0.015 χ^2/NDF:169293.8/9

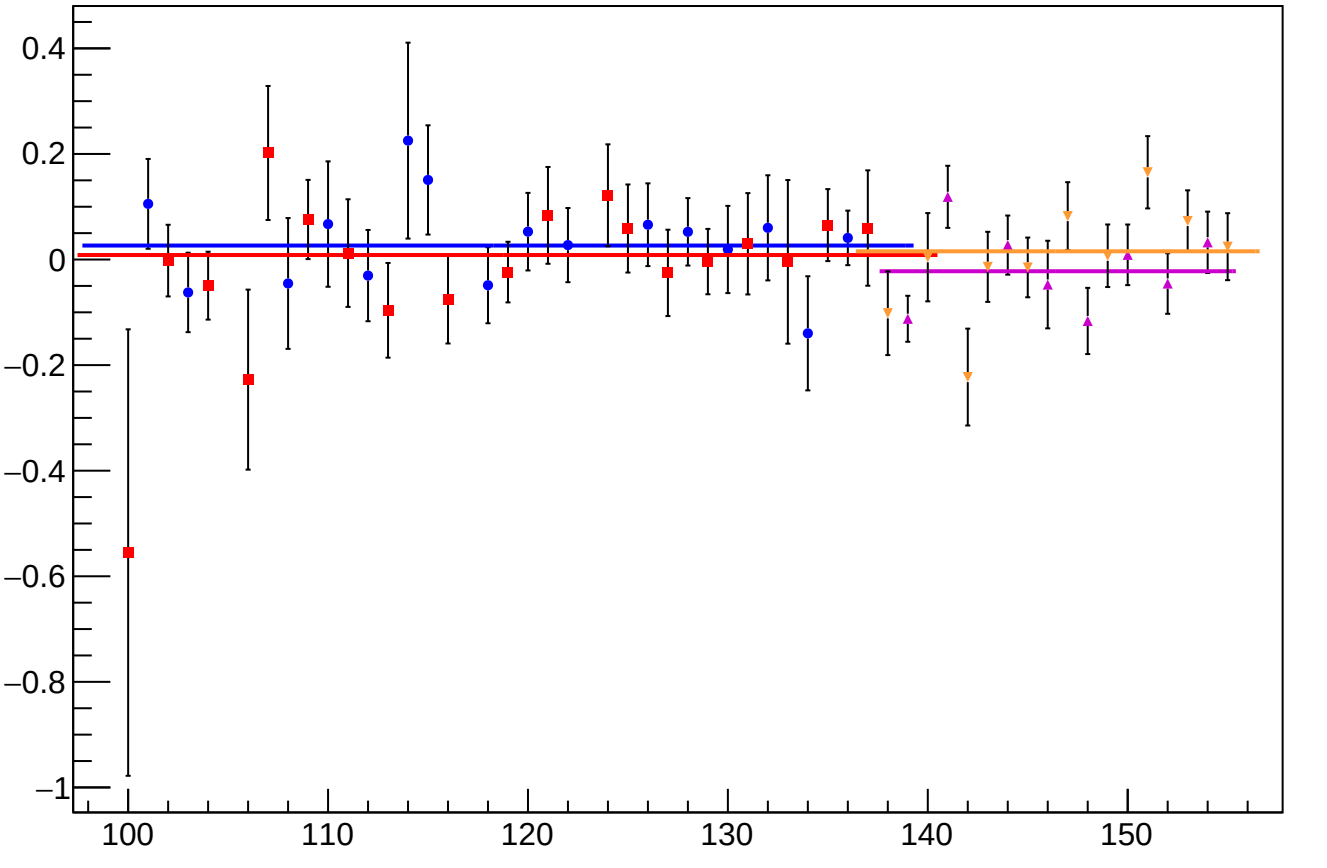
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.669+/-0.014 χ^2/NDF:334079.0/7

+ sign 54.831+/-0.010 χ^2/NDF: 643668.8/25

All: 52.843+/-0.007 χ^2/NDF: 1728860.8/52

- sign 51.021+/-0.010 χ^2/NDF: 1014773.5/26



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.016+/-0.021 χ^2/NDF:16.3/9

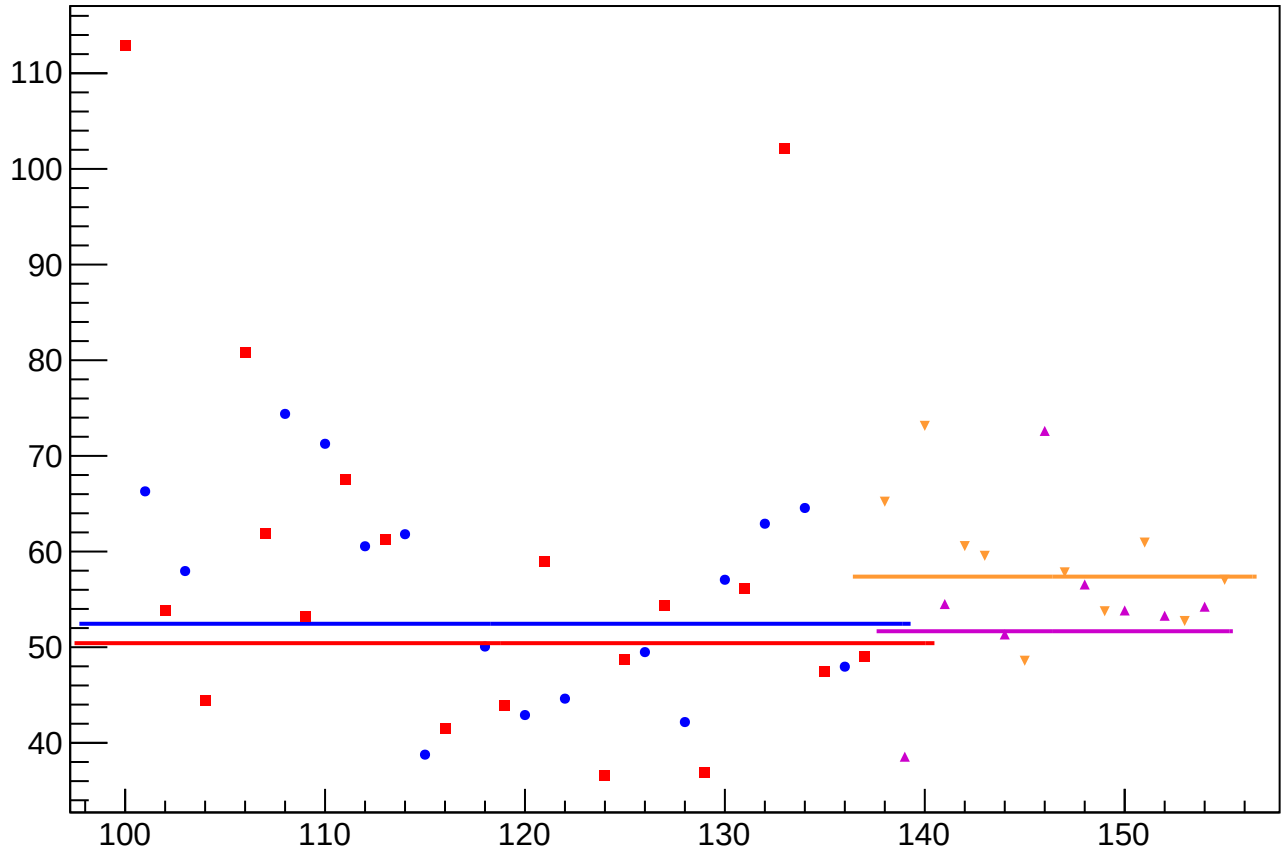
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.022+/-0.020 χ^2/NDF:14.5/7

+ sign 0.021+/-0.015 χ^2/NDF: 26.4/25

All: 0.007+/-0.010 χ^2/NDF: 57.8/52

- sign -0.006+/-0.014 χ^2/NDF: 29.6/26



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.379+/-0.015 χ^2/NDF:169293.8/9

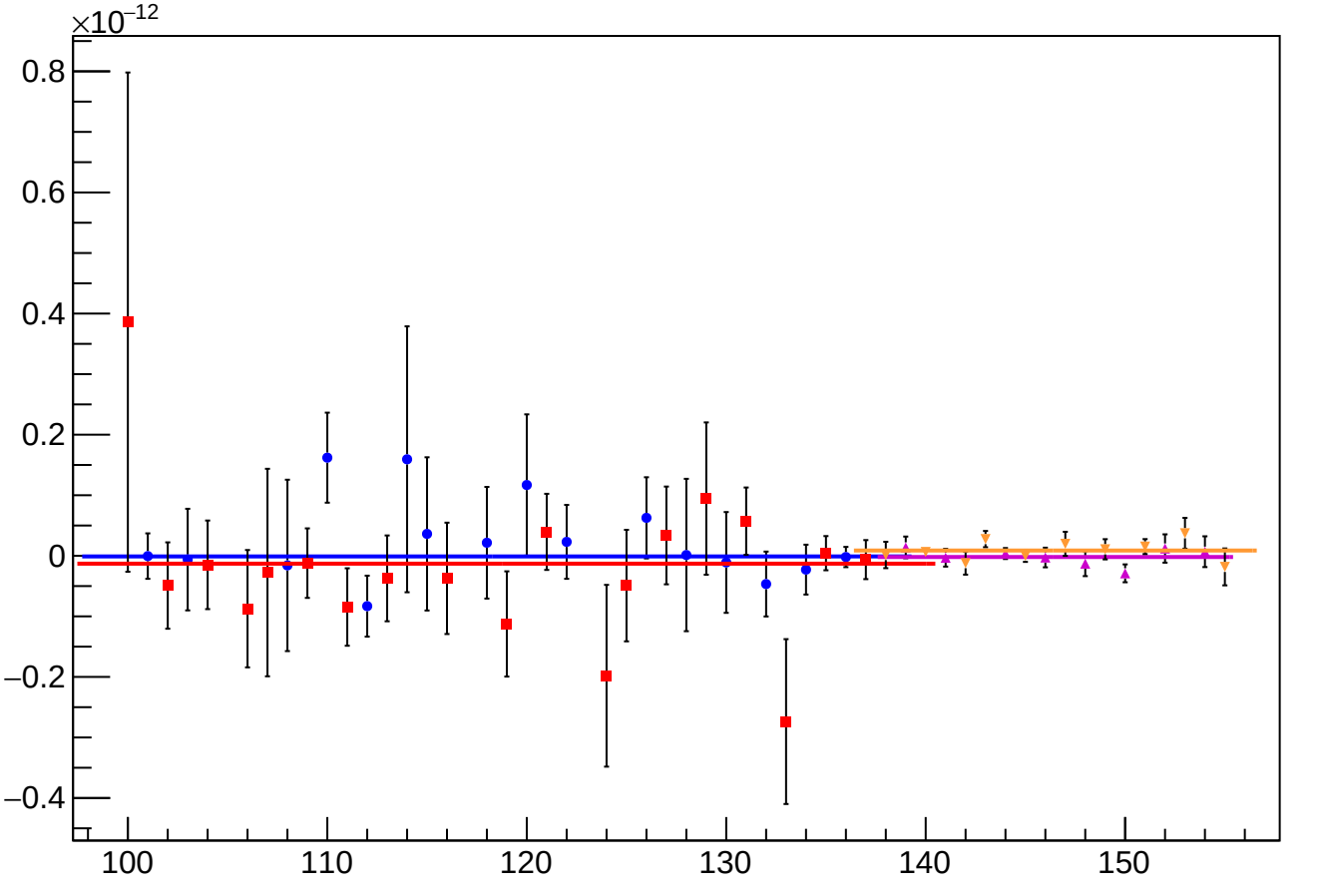
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.669+/-0.014 χ^2/NDF:334079.0/7

+ sign 54.831+/-0.010 χ^2/NDF: 643668.8/25

All: 52.843+/-0.007 χ^2/NDF: 1728860.8/52

- sign 51.021+/-0.010 χ^2/NDF: 1014773.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/9

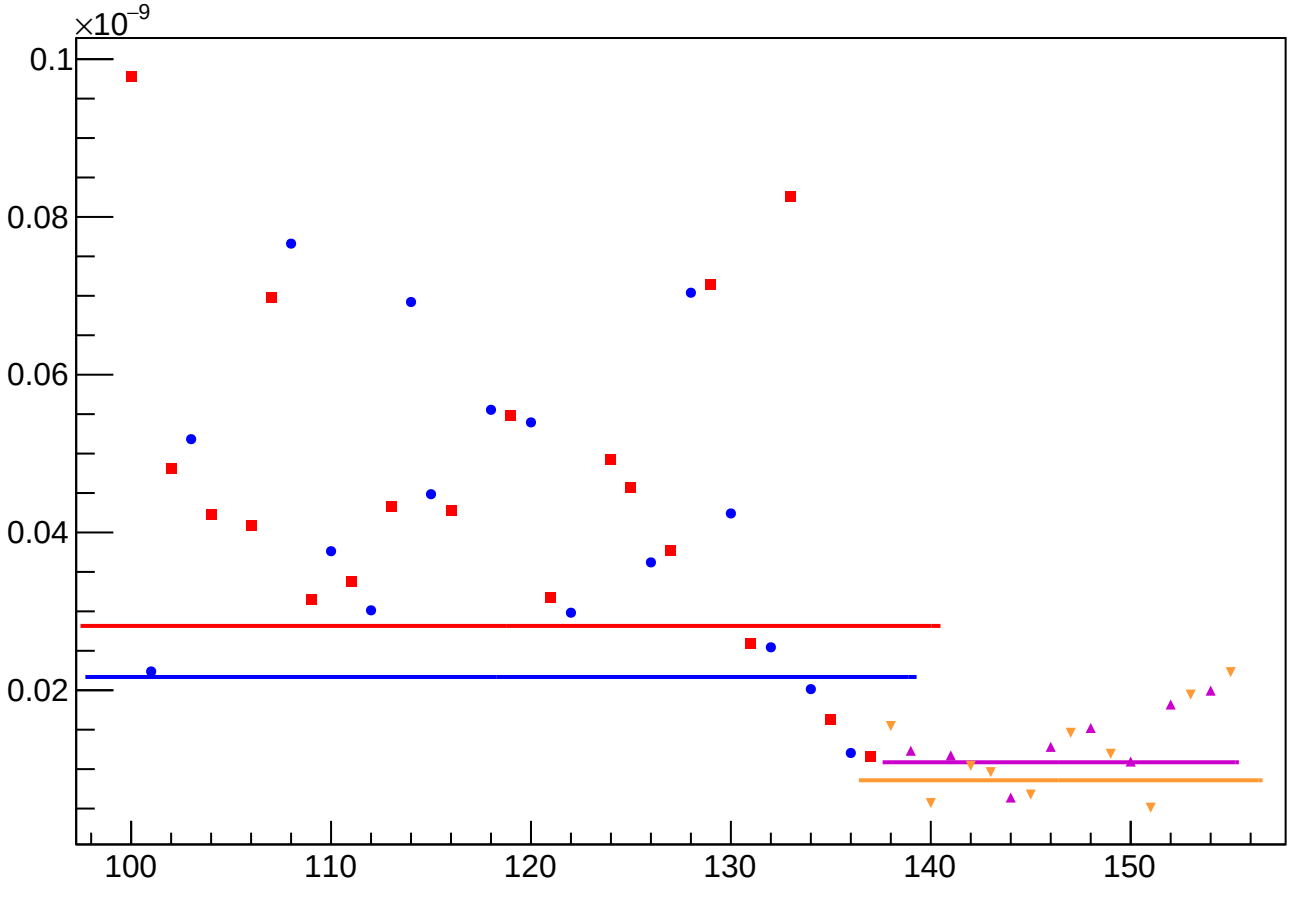
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/7

+ sign 0.000+/-0.000 χ^2/NDF: 18.6/25

All: 0.000+/-0.000 χ^2/NDF: 40.8/52

- sign -0.000+/-0.000 χ^2/NDF: 19.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1735695.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

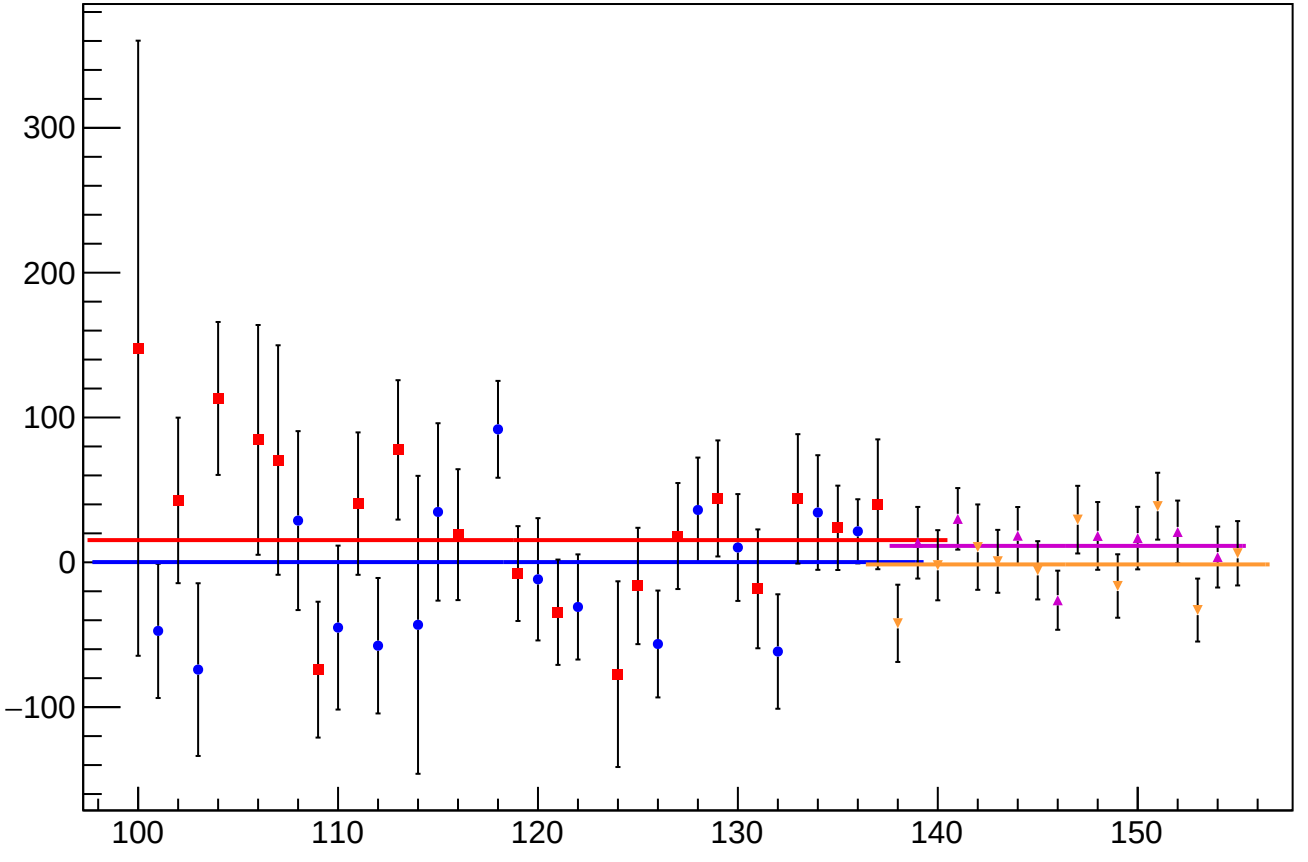
Left In: 0.000+/-0.000 χ^2/NDF:1074860.0/7

+ sign 0.000+/-0.000 χ^2/NDF: 6358664.5/25

All: 0.000+/-0.000 χ^2/NDF: 12676963.8/52

- sign 0.000+/-0.000 χ^2/NDF: 5949778.1/26

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -1.452+/-7.297 χ^2/NDF:10.0/9

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

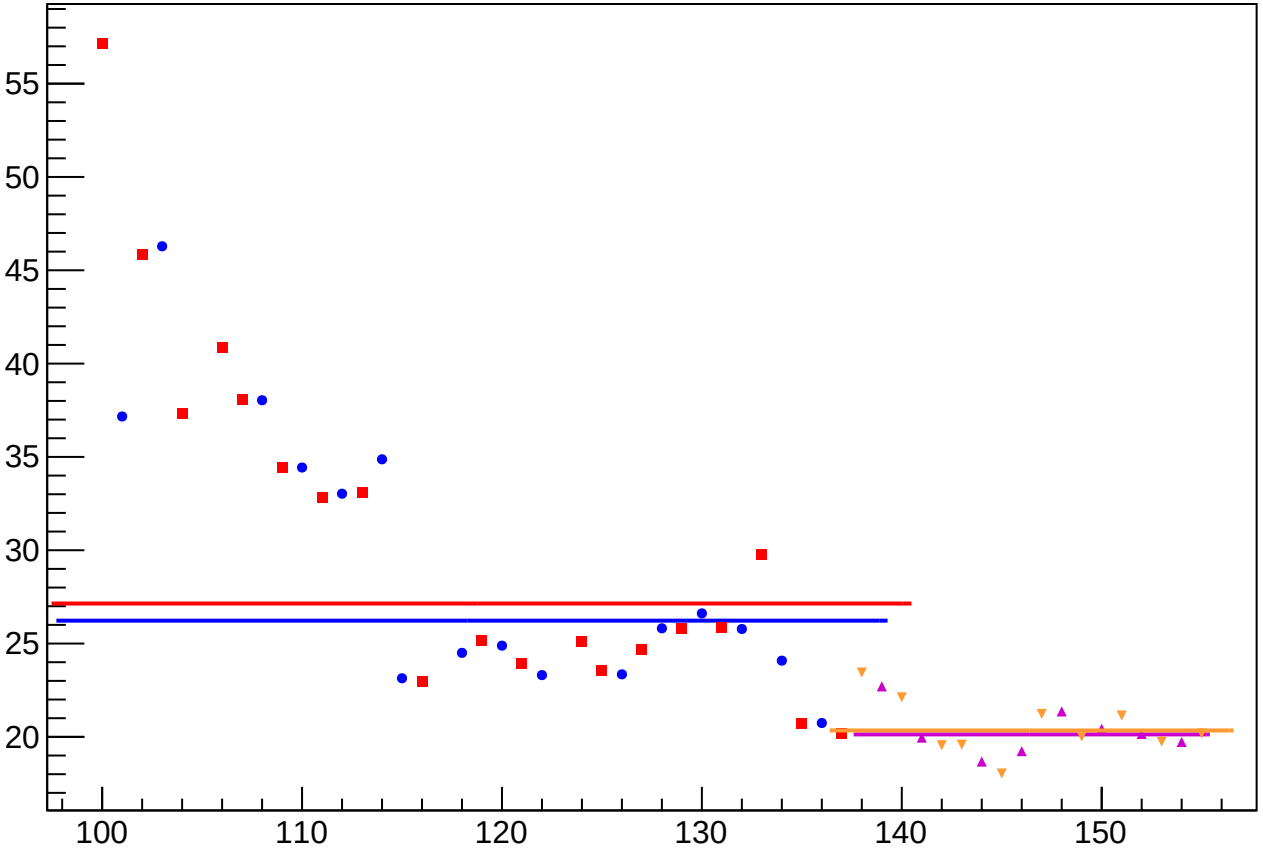
Left In: 11.342+/-7.632 χ^2/NDF:4.8/7

+ sign -0.897+/-5.904 χ^2/NDF: 31.4/25

All: 5.682+/-4.251 χ^2/NDF: 56.7/52

- sign 12.762+/-6.125 χ^2/NDF: 22.8/26

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.344+/-0.005 χ^2/NDF:75330.1/9

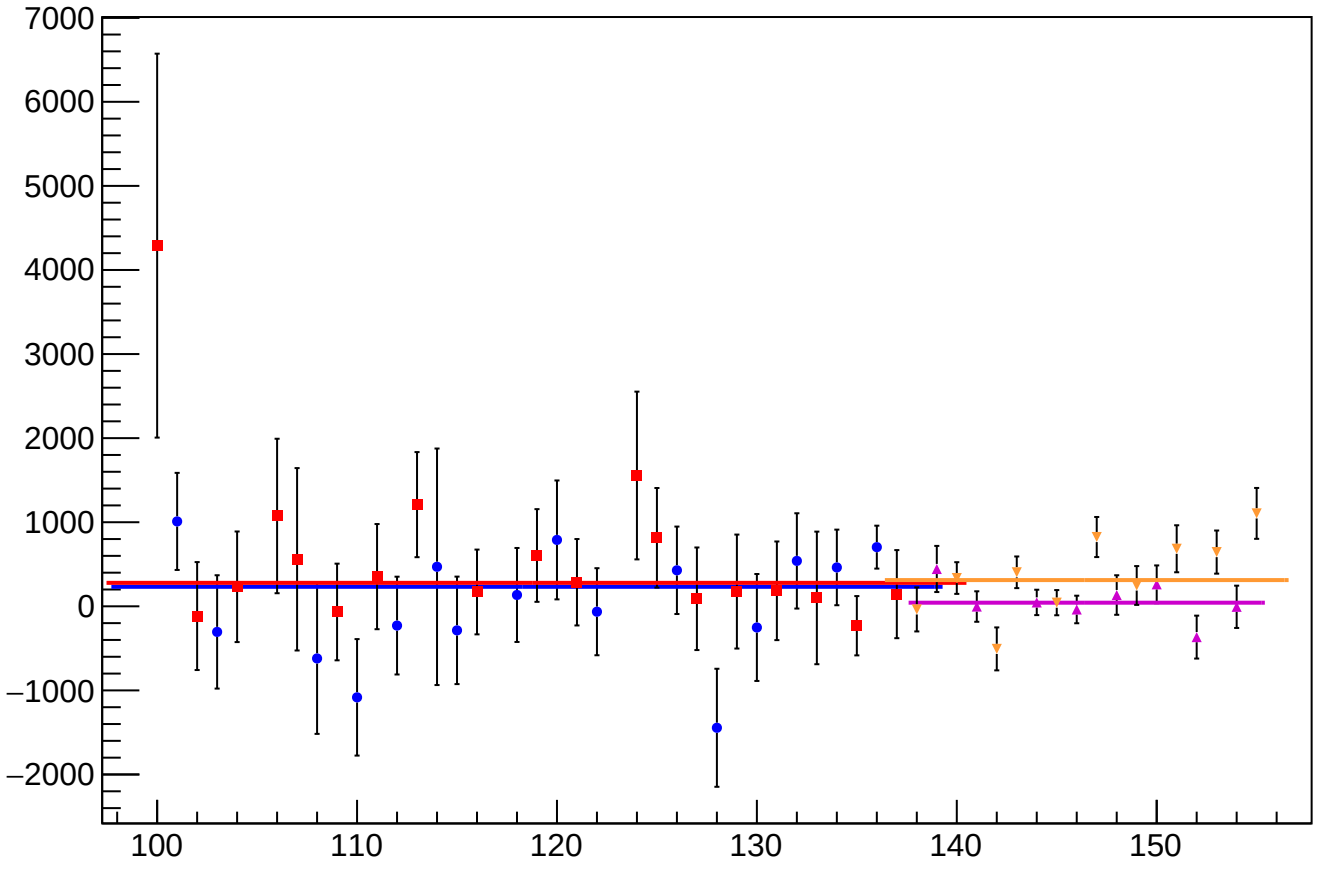
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.132+/-0.005 χ^2/NDF:43132.5/7

+ sign 22.375+/-0.004 χ^2/NDF: 1200319.0/25

All: 22.497+/-0.003 χ^2/NDF: 2601690.4/52

- sign 22.628+/-0.004 χ^2/NDF: 1399596.3/26



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 311.908+/-69.647 χ^2/NDF:30.5/9

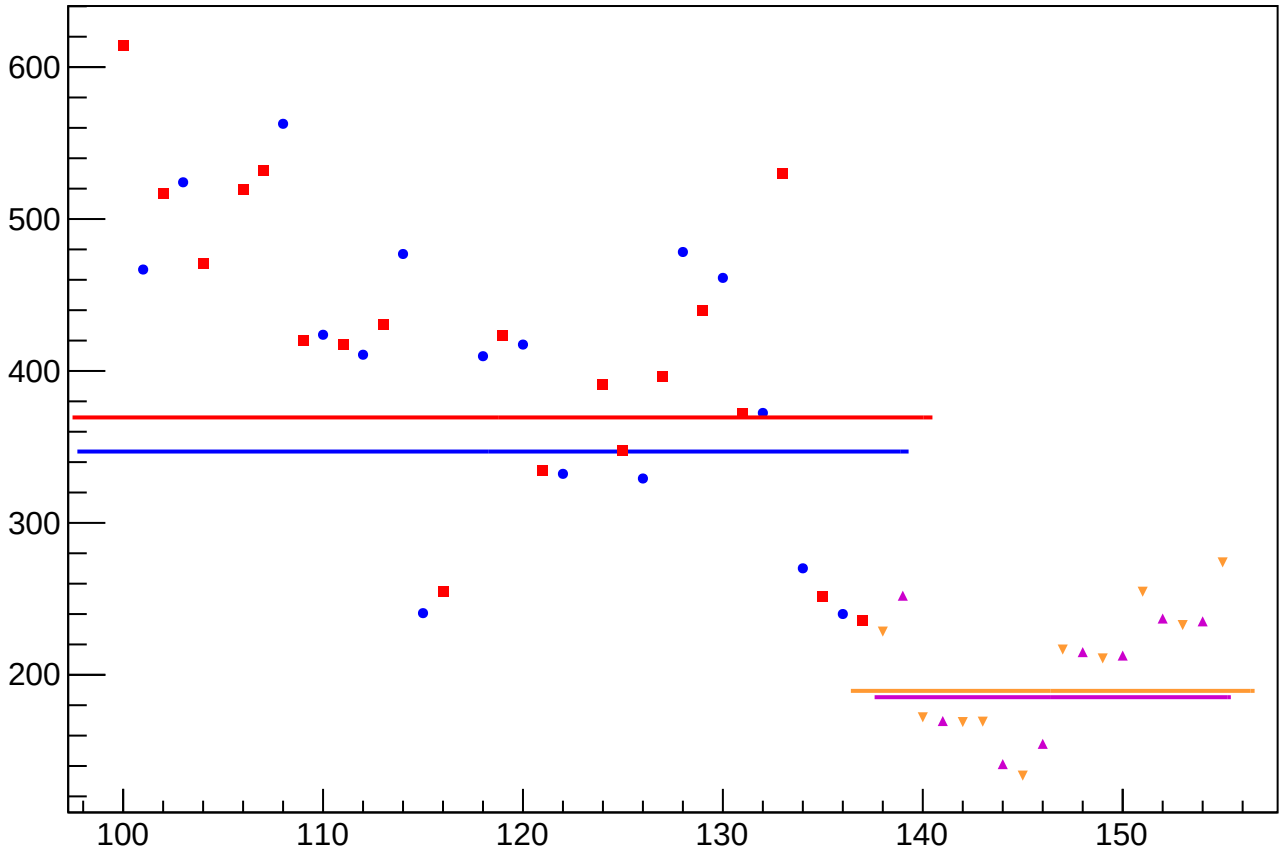
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 43.008+/-71.824 χ^2/NDF:6.1/7

+ sign 295.105+/-61.883 χ^2/NDF: 50.5/25

All: 196.912+/-44.454 χ^2/NDF: 76.1/52

- sign 92.208+/-63.902 χ^2/NDF: 20.5/26



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 189.444+/-0.049 χ^2/NDF:740353.0/9

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

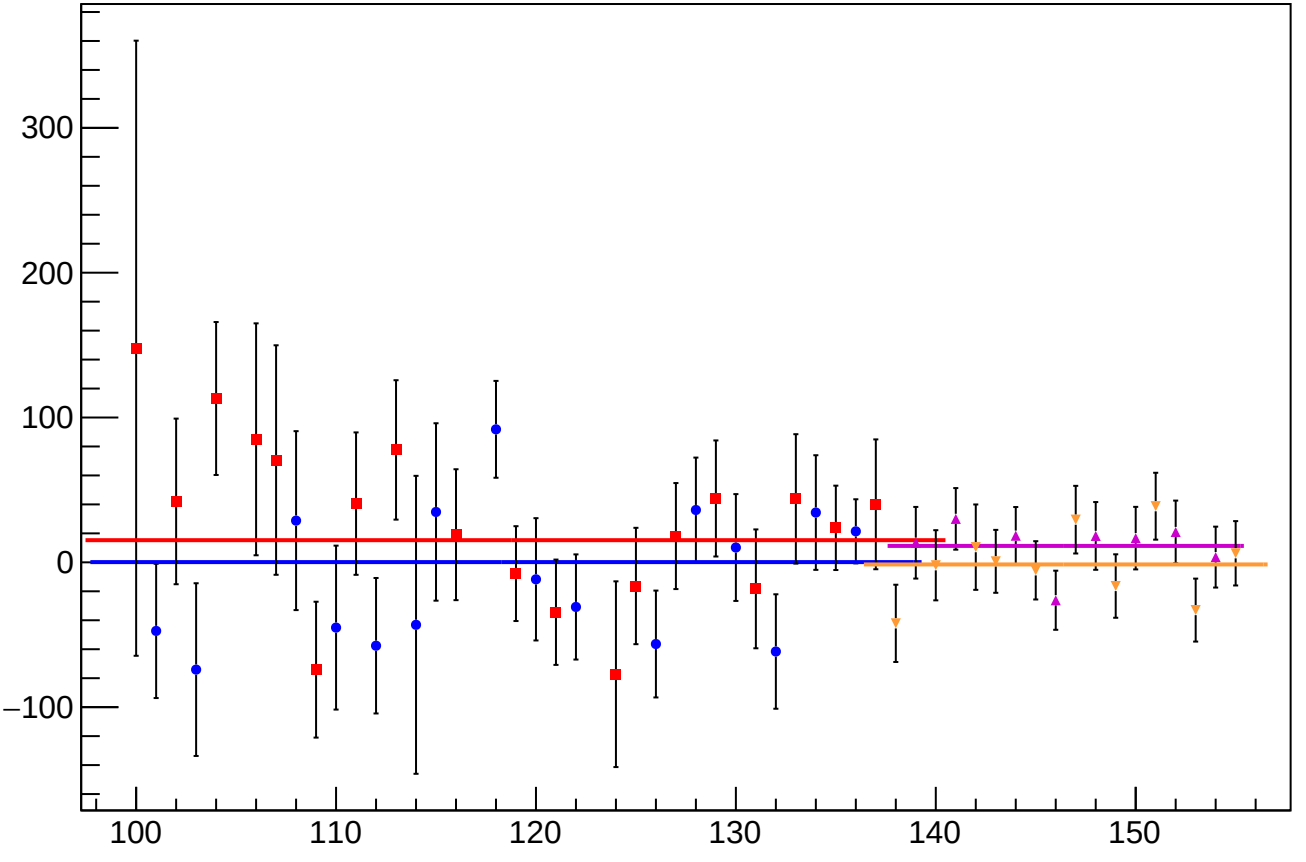
Left In: 185.279+/-0.051 χ^2/NDF:596493.7/7

+ sign 222.607+/-0.044 χ^2/NDF: 3952302.5/25

All: 223.117+/-0.031 χ^2/NDF: 8207786.2/52

- sign 223.660+/-0.045 χ^2/NDF: 4255203.8/26

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -1.454+/-7.297 χ^2/NDF:10.0/9

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

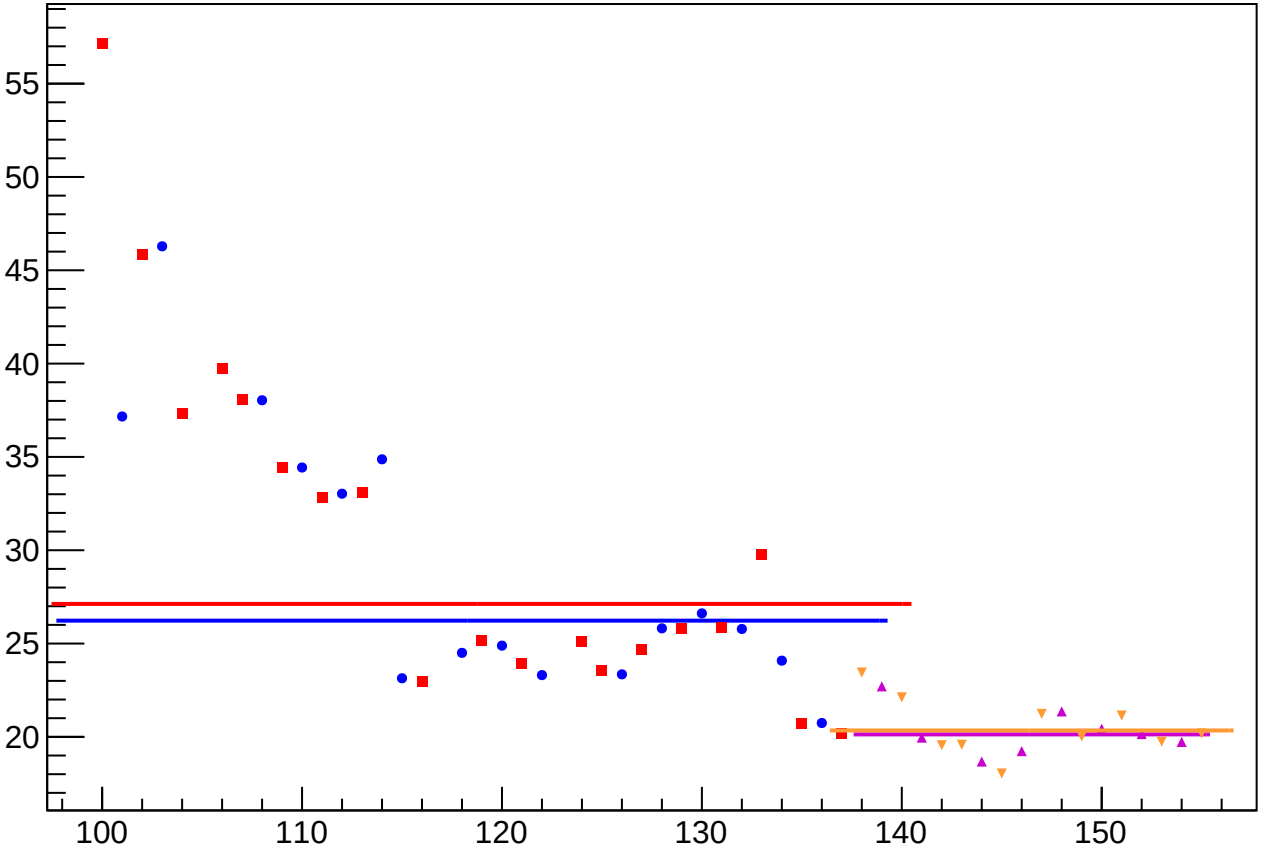
Left In: 11.342+/-7.632 χ^2/NDF:4.8/7

+ sign -0.898+/-5.904 χ^2/NDF: 31.4/25

All: 5.674+/-4.251 χ^2/NDF: 56.7/52

- sign 12.748+/-6.126 χ^2/NDF: 22.8/26

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.344+/-0.005 χ^2/NDF:75330.1/9

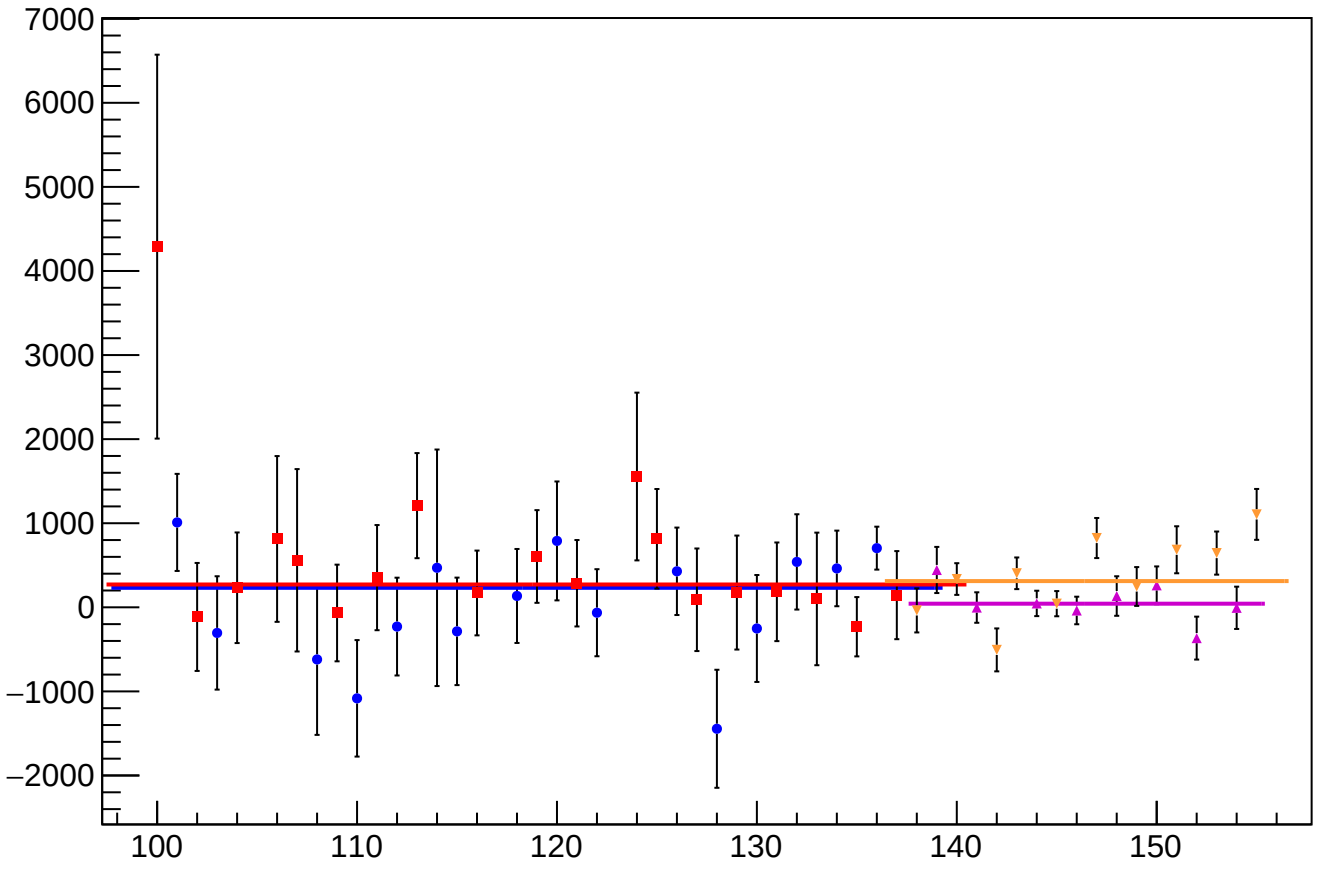
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.132+/-0.005 χ^2/NDF:43132.5/7

+ sign 22.375+/-0.004 χ^2/NDF: 1200322.3/25

All: 22.493+/-0.003 χ^2/NDF: 2587956.5/52

- sign 22.620+/-0.004 χ^2/NDF: 1385974.0/26



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 311.906+/-69.647 χ^2/NDF:30.5/9

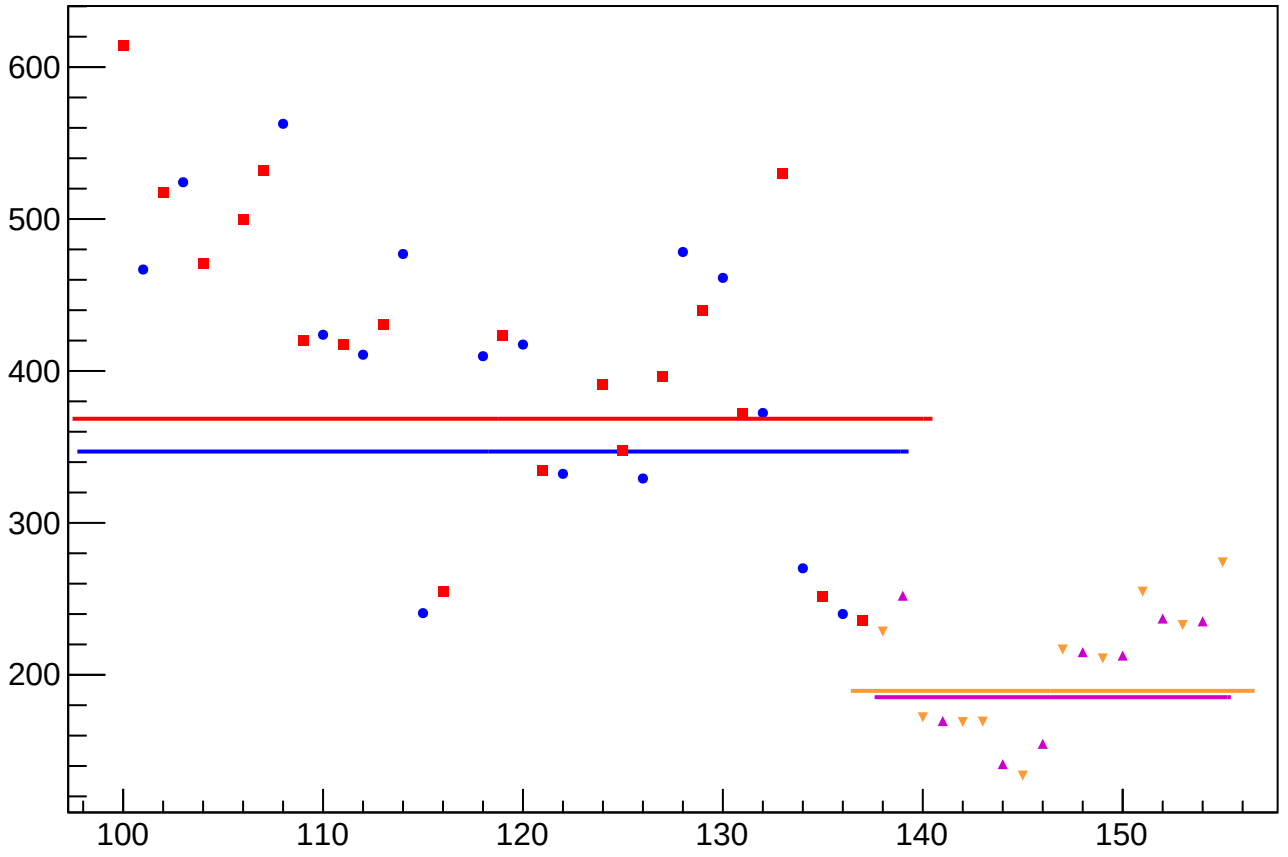
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 43.010+/-71.824 χ^2/NDF:6.1/7

\+ sign 295.101+/-61.883 χ^2/NDF: 50.5/25

All: 196.117+/-44.461 χ^2/NDF: 75.6/52

\- sign 90.501+/-63.922 χ^2/NDF: 19.9/26



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 189.444+/-0.049 χ^2/NDF:740356.2/9

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

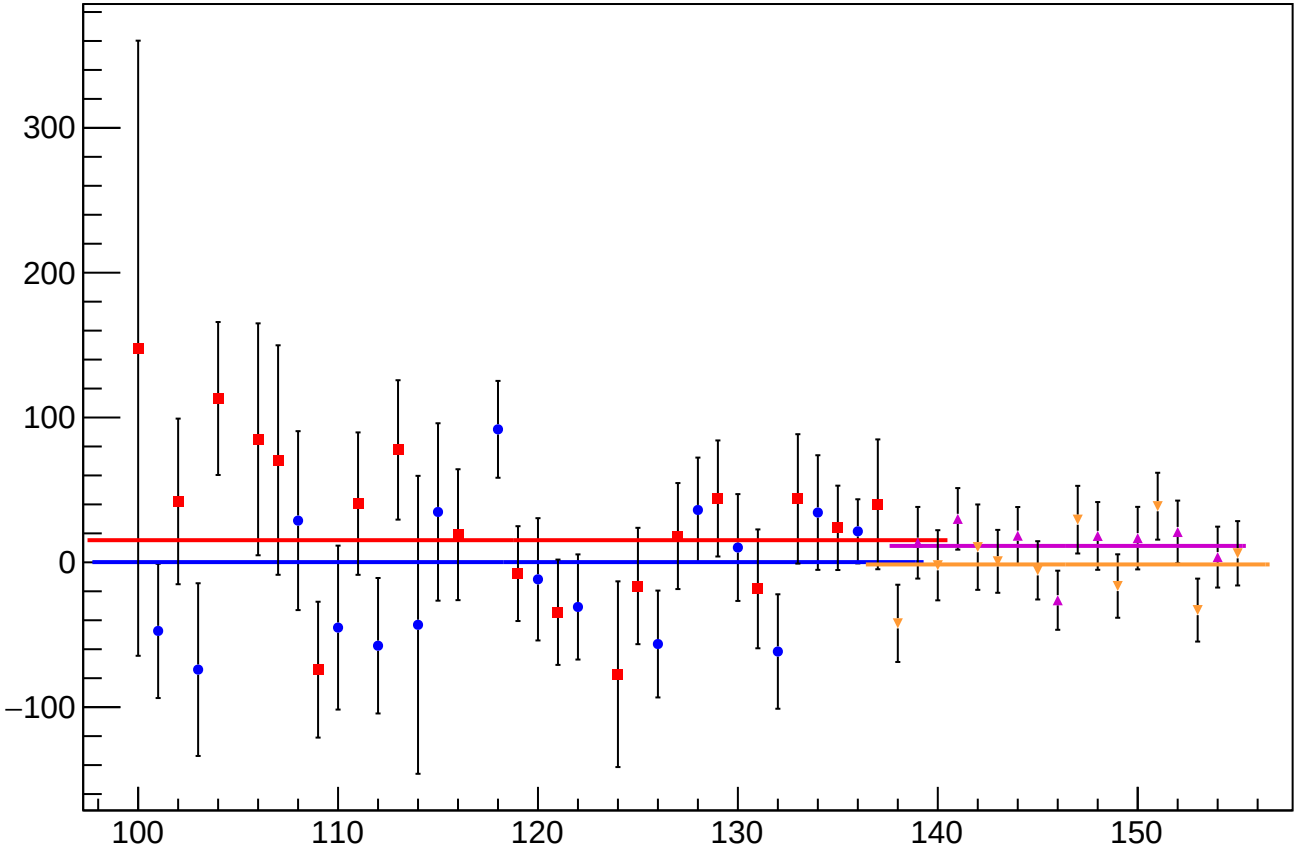
Left In: 185.279+/-0.051 χ^2/NDF:596491.7/7

+ sign 222.607+/-0.044 χ^2/NDF: 3952336.5/25

All: 222.984+/-0.031 χ^2/NDF: 8156645.6/52

- sign 223.385+/-0.045 χ^2/NDF: 4204156.0/26

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -1.454+/-7.297 χ^2/NDF:10.0/9

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

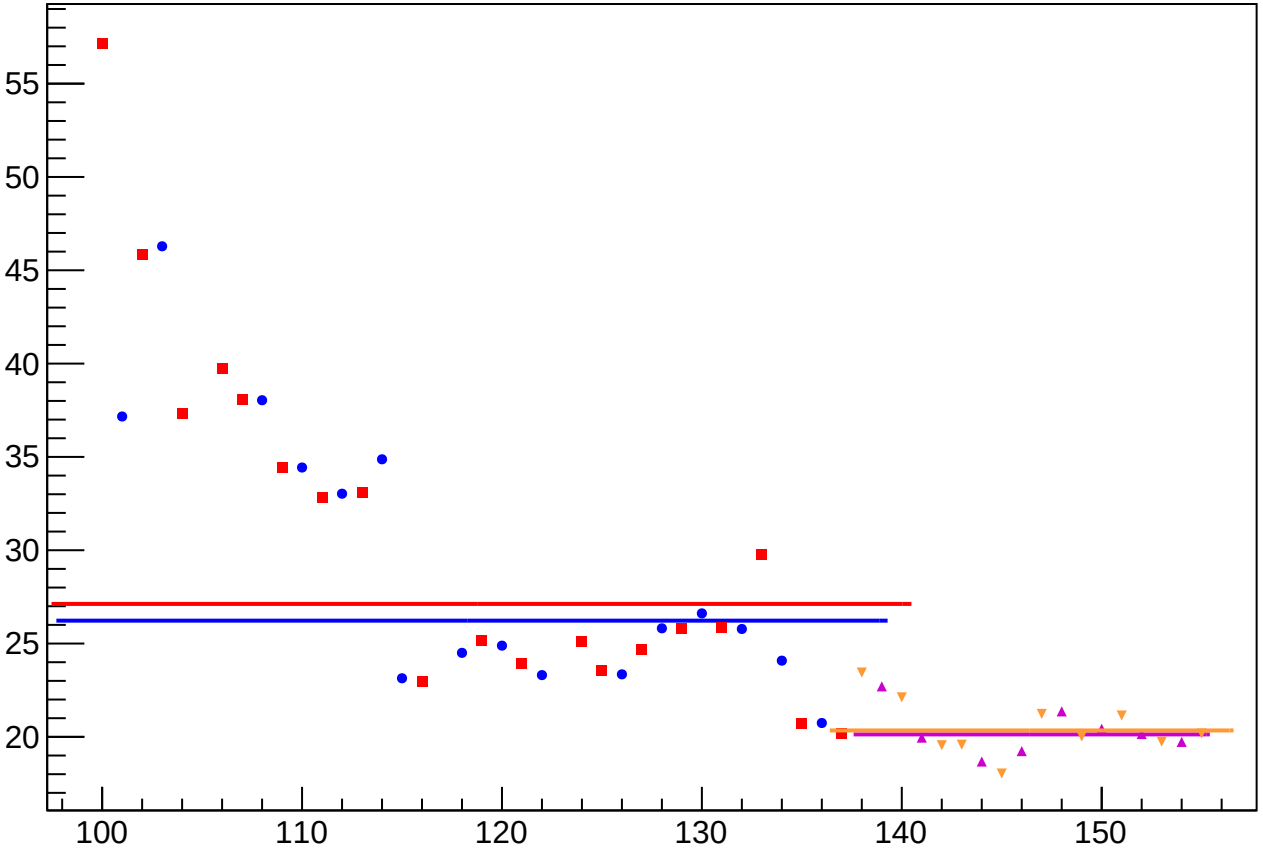
Left In: 11.342+/-7.632 χ^2/NDF:4.8/7

+ sign -0.898+/-5.904 χ^2/NDF: 31.4/25

All: 5.674+/-4.251 χ^2/NDF: 56.7/52

- sign 12.748+/-6.126 χ^2/NDF: 22.8/26

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.344+/-0.005 χ^2/NDF:75330.1/9

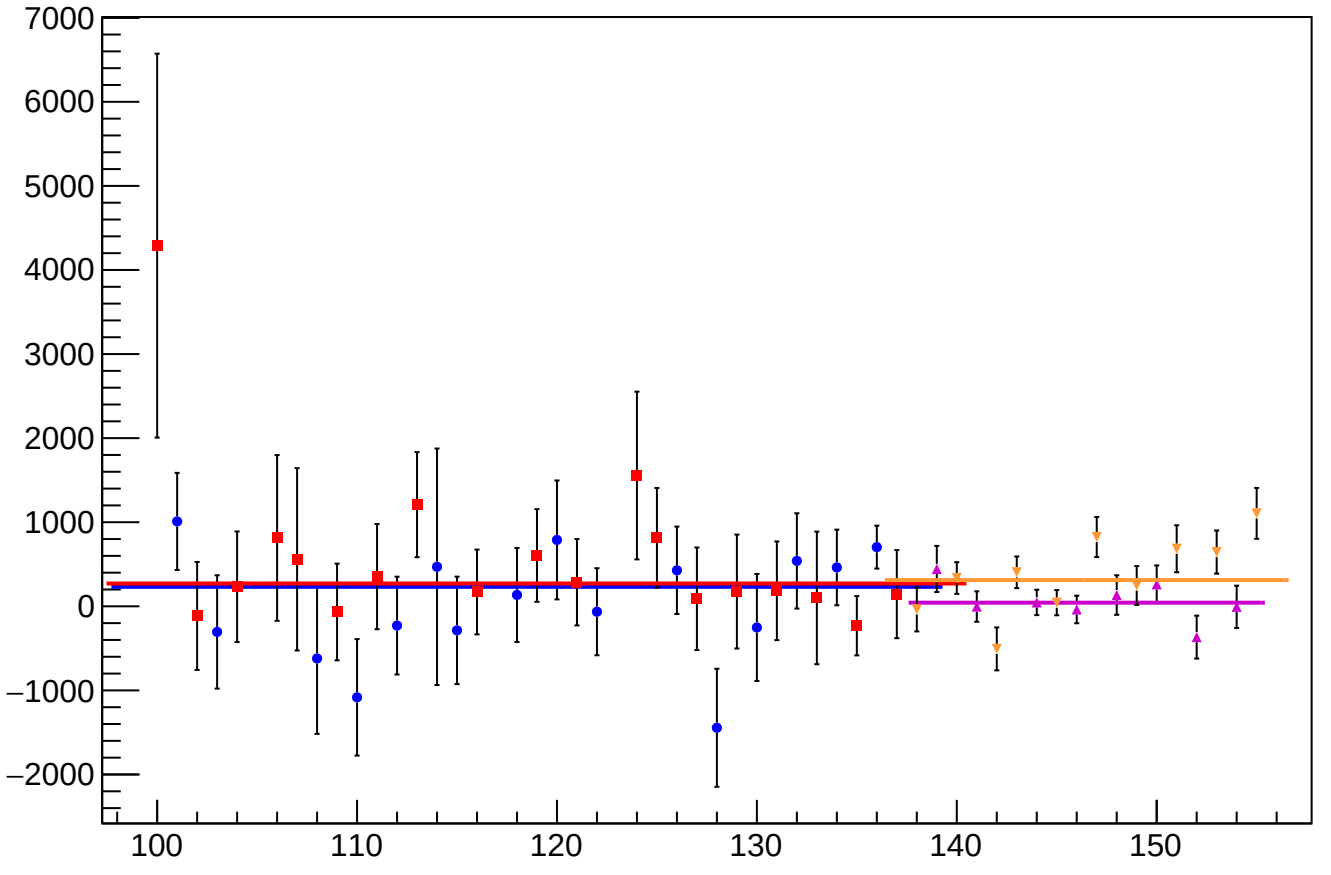
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.132+/-0.005 χ^2/NDF:43132.5/7

+ sign 22.375+/-0.004 χ^2/NDF: 1200322.3/25

All: 22.493+/-0.003 χ^2/NDF: 2587956.5/52

- sign 22.620+/-0.004 χ^2/NDF: 1385974.0/26



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 311.906+/-69.647 χ^2/NDF:30.5/9

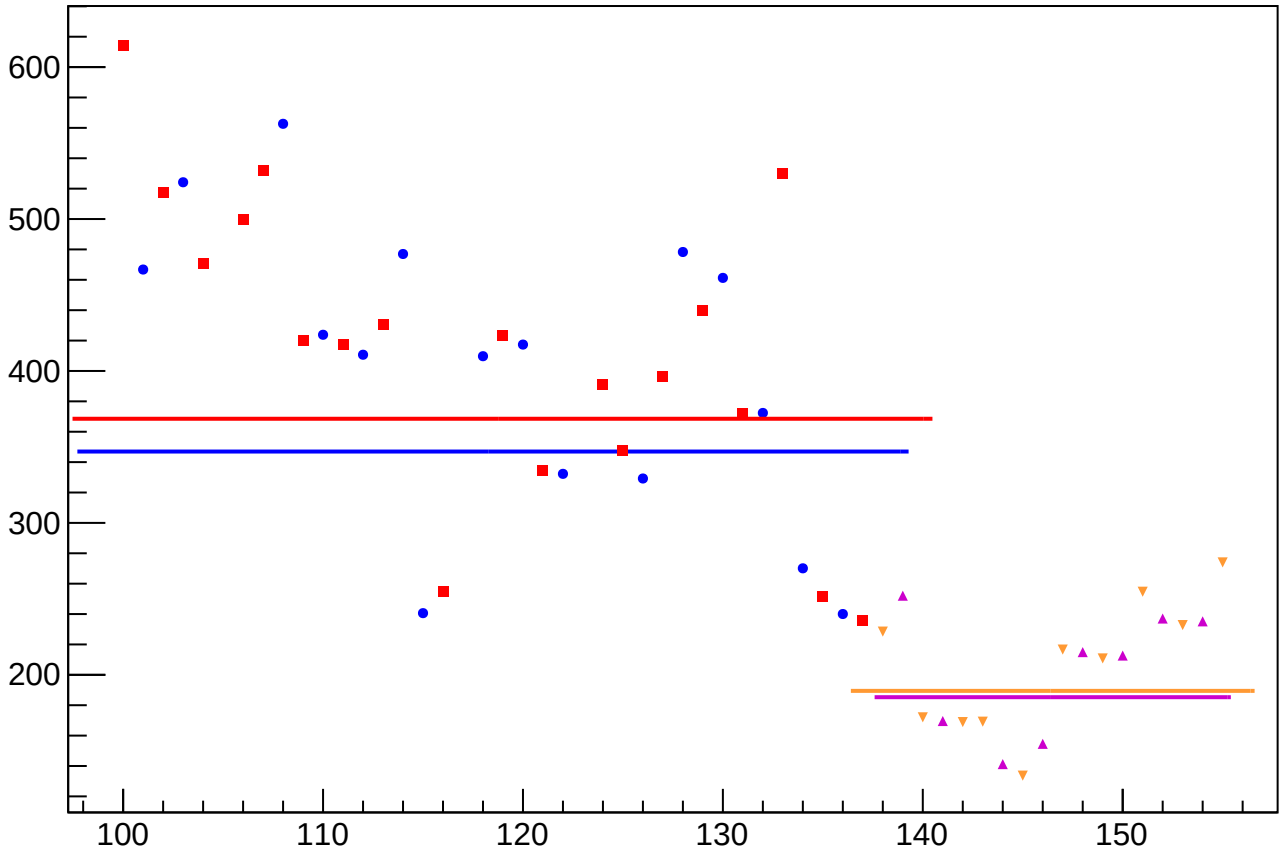
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 43.010+/-71.824 χ^2/NDF:6.1/7

+ sign 295.101+/-61.883 χ^2/NDF: 50.5/25

All: 196.117+/-44.461 χ^2/NDF: 75.6/52

- sign 90.501+/-63.922 χ^2/NDF: 19.9/26



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 189.444+/-0.049 χ^2/NDF:740356.2/9

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

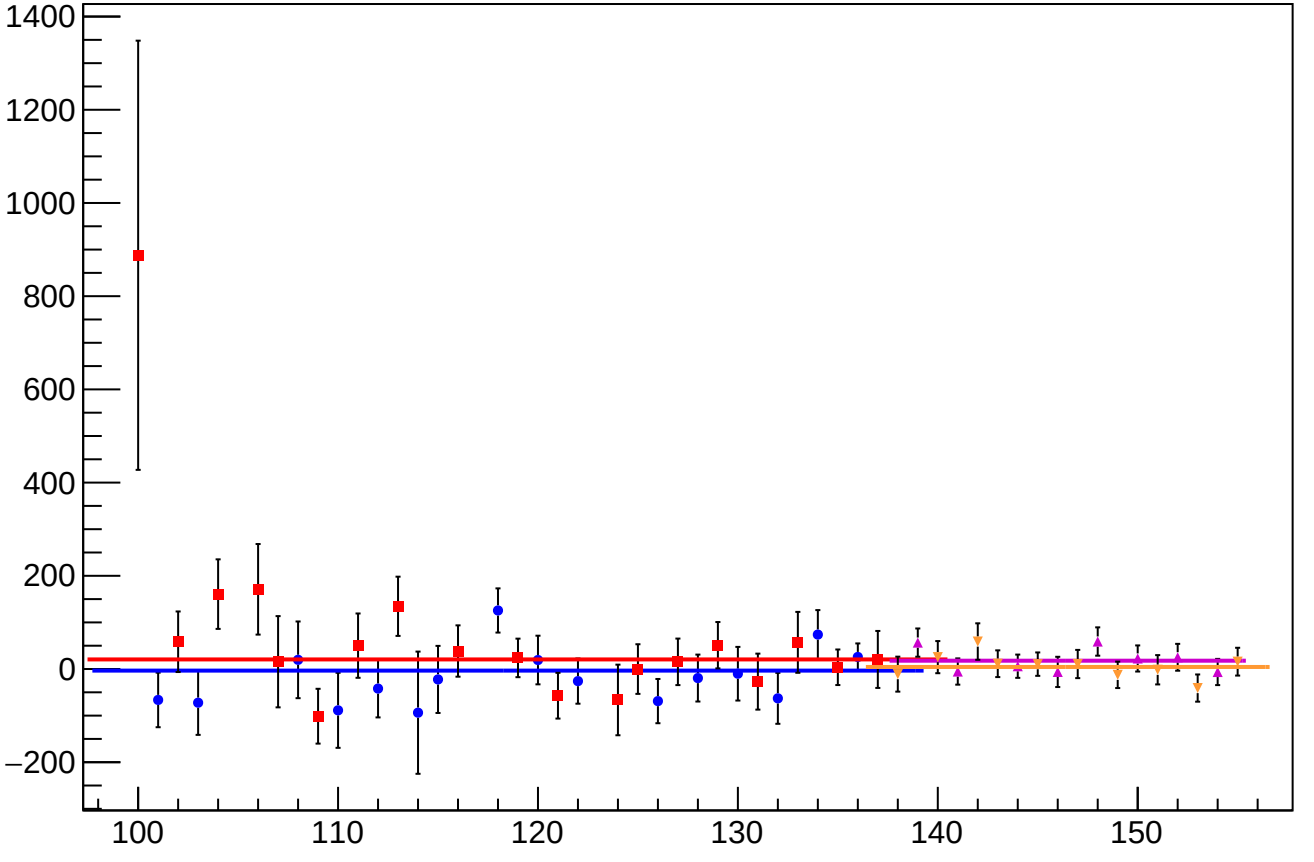
Left In: 185.279+/-0.051 χ^2/NDF:596491.7/7

+ sign 222.607+/-0.044 χ^2/NDF: 3952336.5/25

All: 222.984+/-0.031 χ^2/NDF: 8156645.6/52

- sign 223.385+/-0.045 χ^2/NDF: 4204156.0/26

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 4.372+/-9.690 χ^2/NDF:5.6/9

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

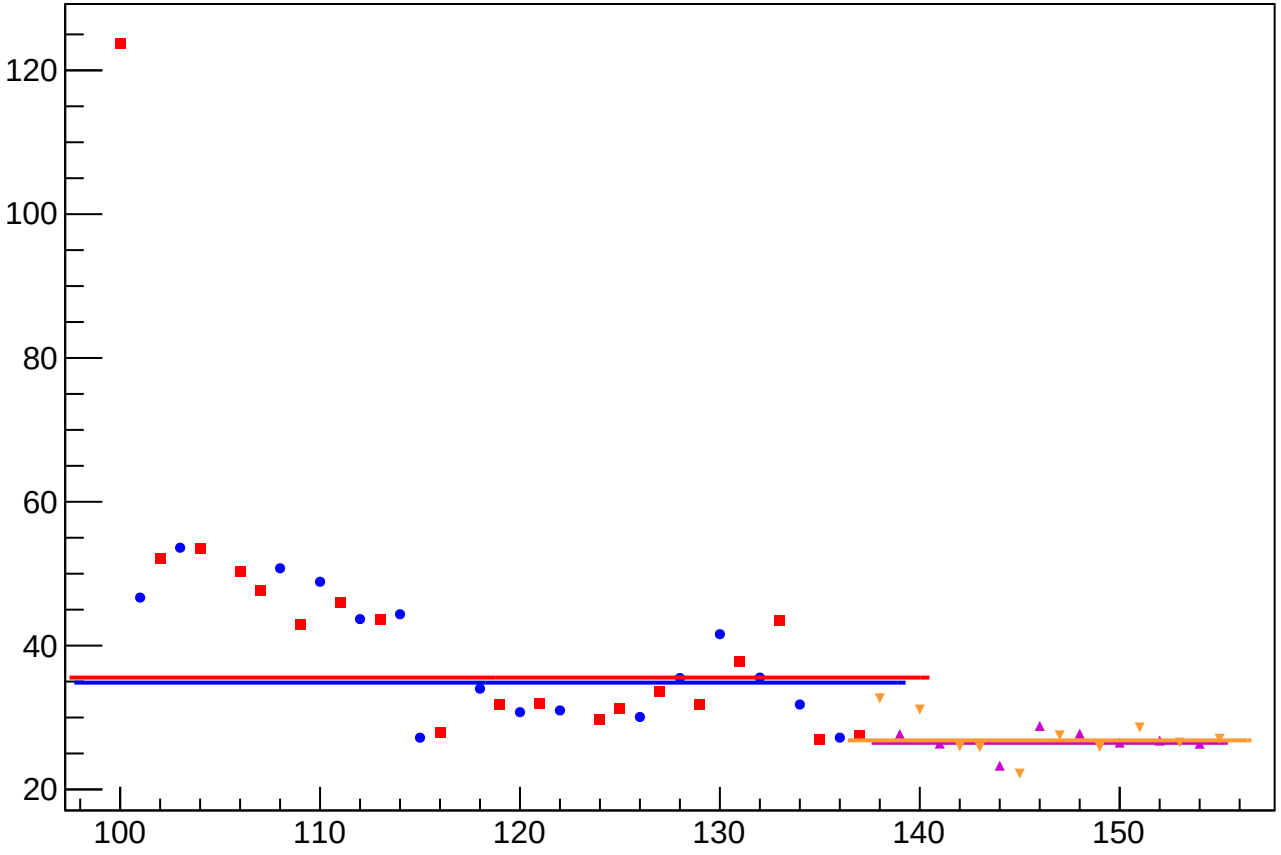
Left In: 17.838+/-10.138 χ^2/NDF:5.8/7

+ sign 1.693+/-7.851 χ^2/NDF: 24.3/25

All: 9.990+/-5.638 χ^2/NDF: 55.5/52

- sign 18.825+/-8.101 χ^2/NDF: 28.9/26

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.820+/-0.007 χ^2/NDF:160260.8/9

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

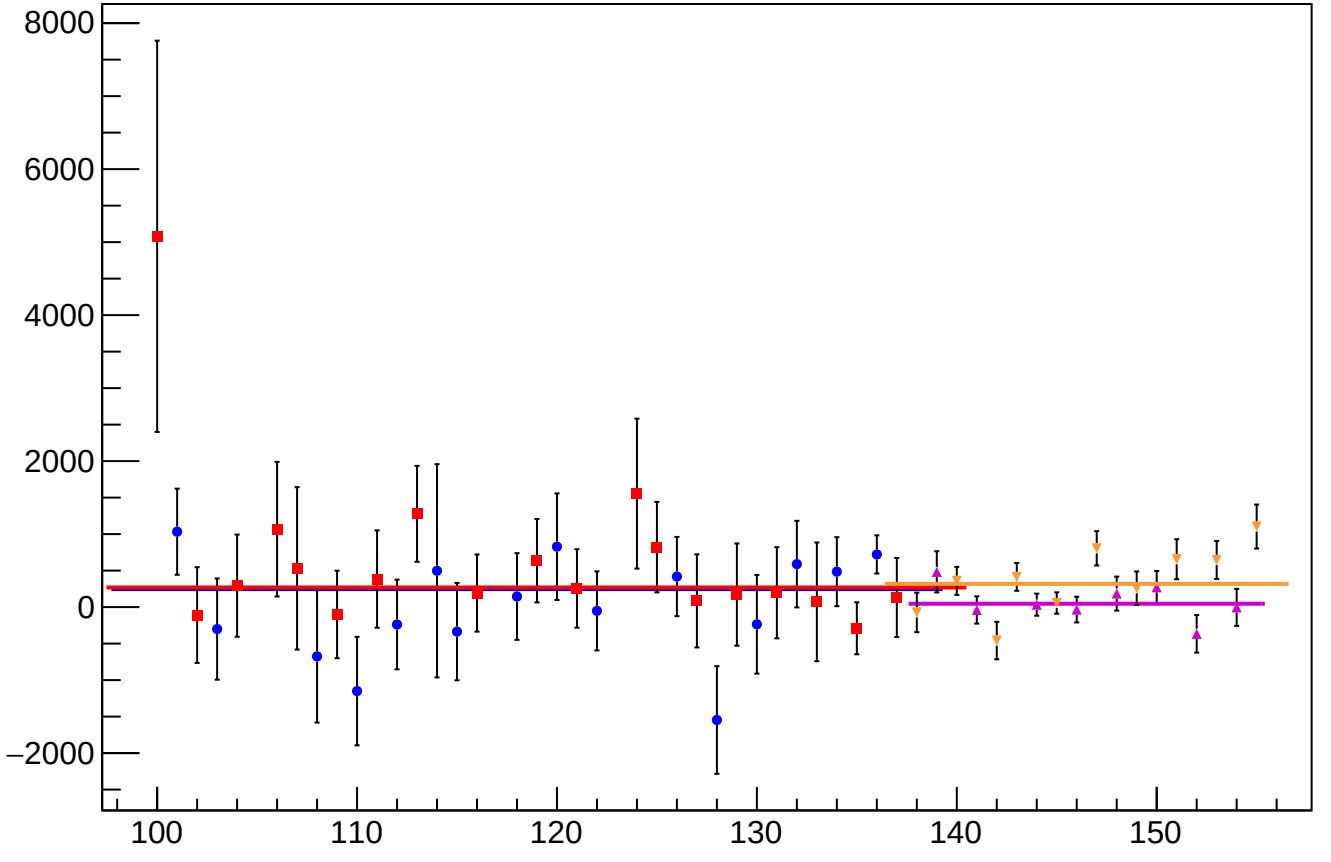
Left In: 26.483+/-0.007 χ^2/NDF:49870.7/7

+ sign 29.579+/-0.006 χ^2/NDF: 1290446.8/25

All: 29.667+/-0.004 χ^2/NDF: 2699365.8/52

- sign 29.761+/-0.006 χ^2/NDF: 1408397.9/26

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 318.508+/-69.566 χ^2/NDF:29.0/9

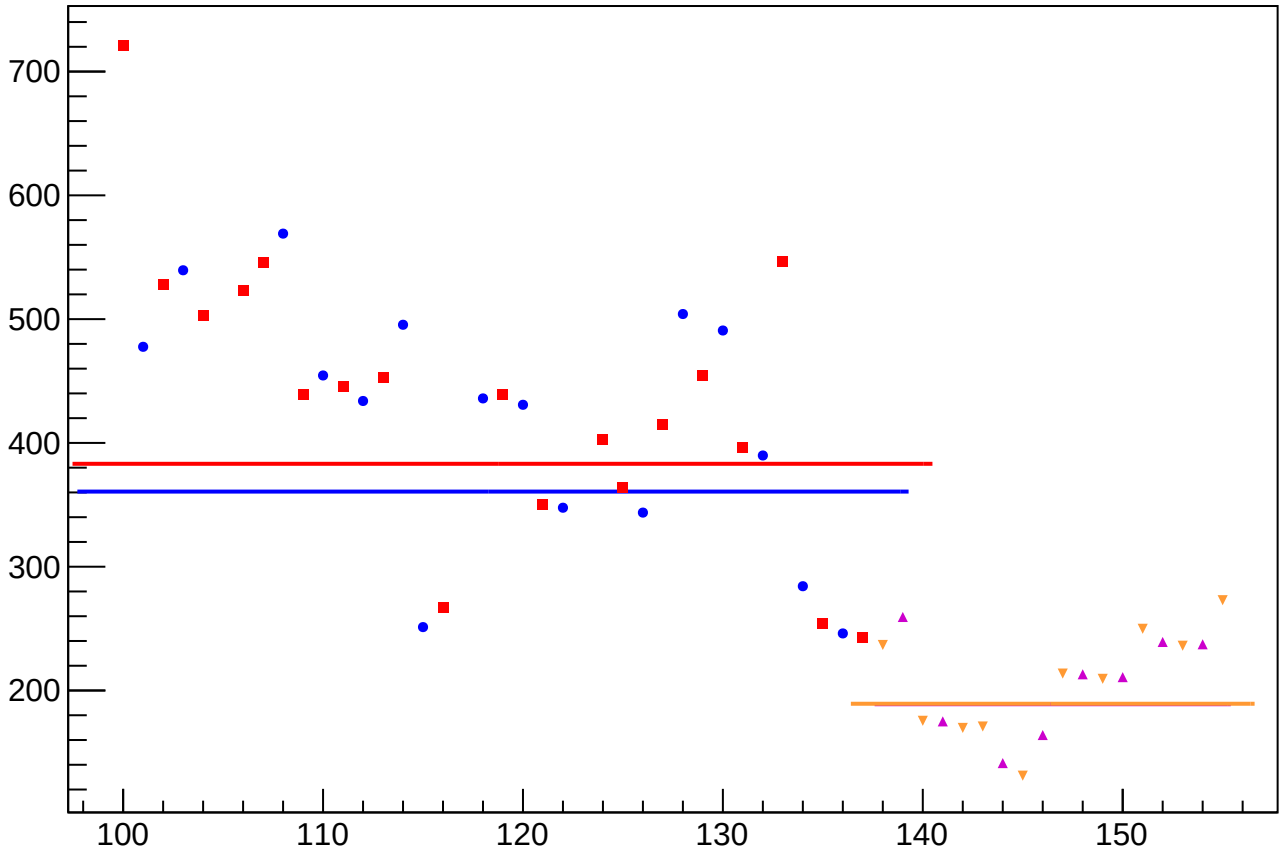
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 46.052+/-73.215 χ^2/NDF:6.8/7

+ sign 304.295+/-62.323 χ^2/NDF: 49.0/25

All: 202.842+/-45.112 χ^2/NDF: 75.9/52

- sign 91.181+/-65.383 χ^2/NDF: 21.3/26



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 189.292+/-0.049 χ^2/NDF:771140.3/9

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

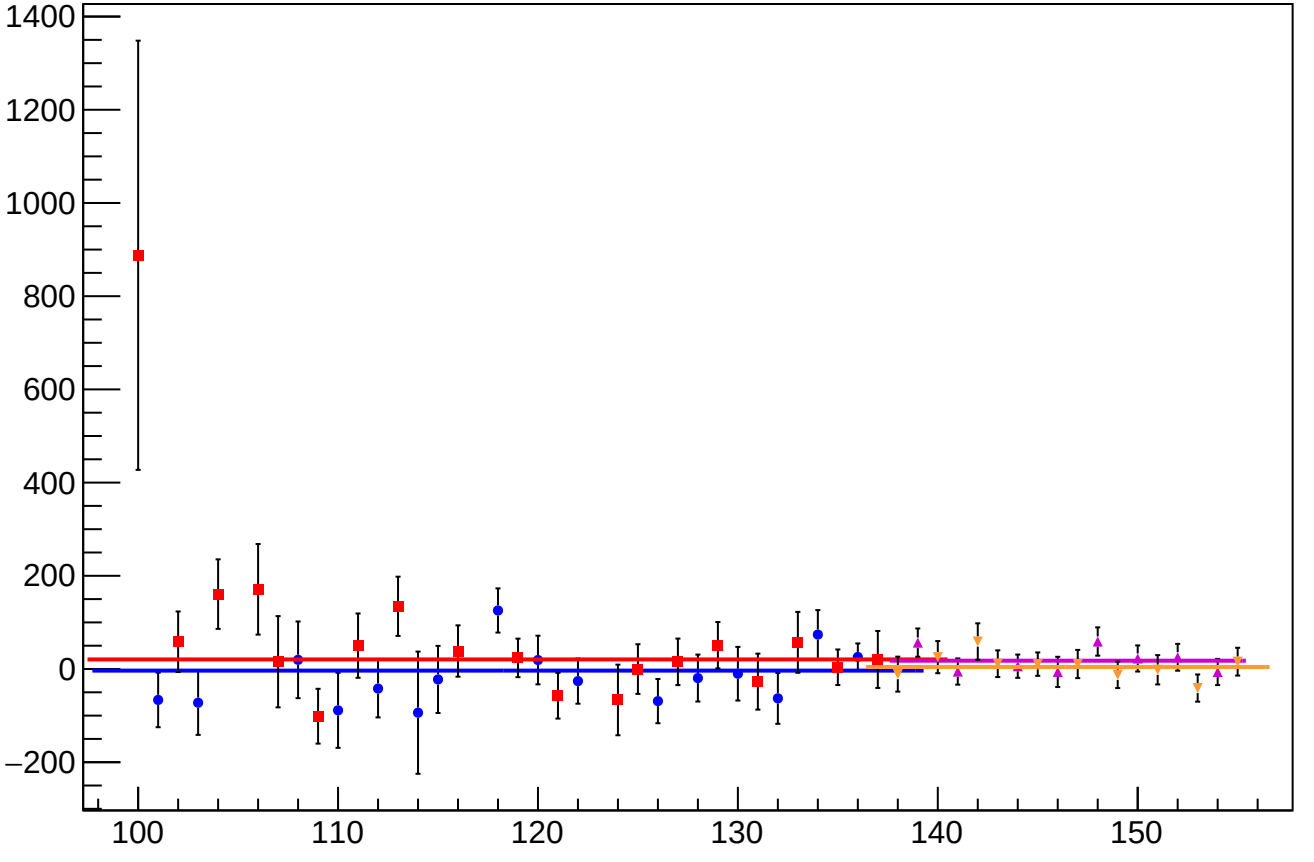
Left In: 188.904+/-0.052 χ^2/NDF:564106.6/7

+ sign 223.126+/-0.044 χ^2/NDF: 4260490.6/25

All: 225.558+/-0.032 χ^2/NDF: 8644349.1/52

- sign 228.235+/-0.046 χ^2/NDF: 4377460.0/26

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 4.372+/-9.690 χ^2/NDF:5.6/9

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

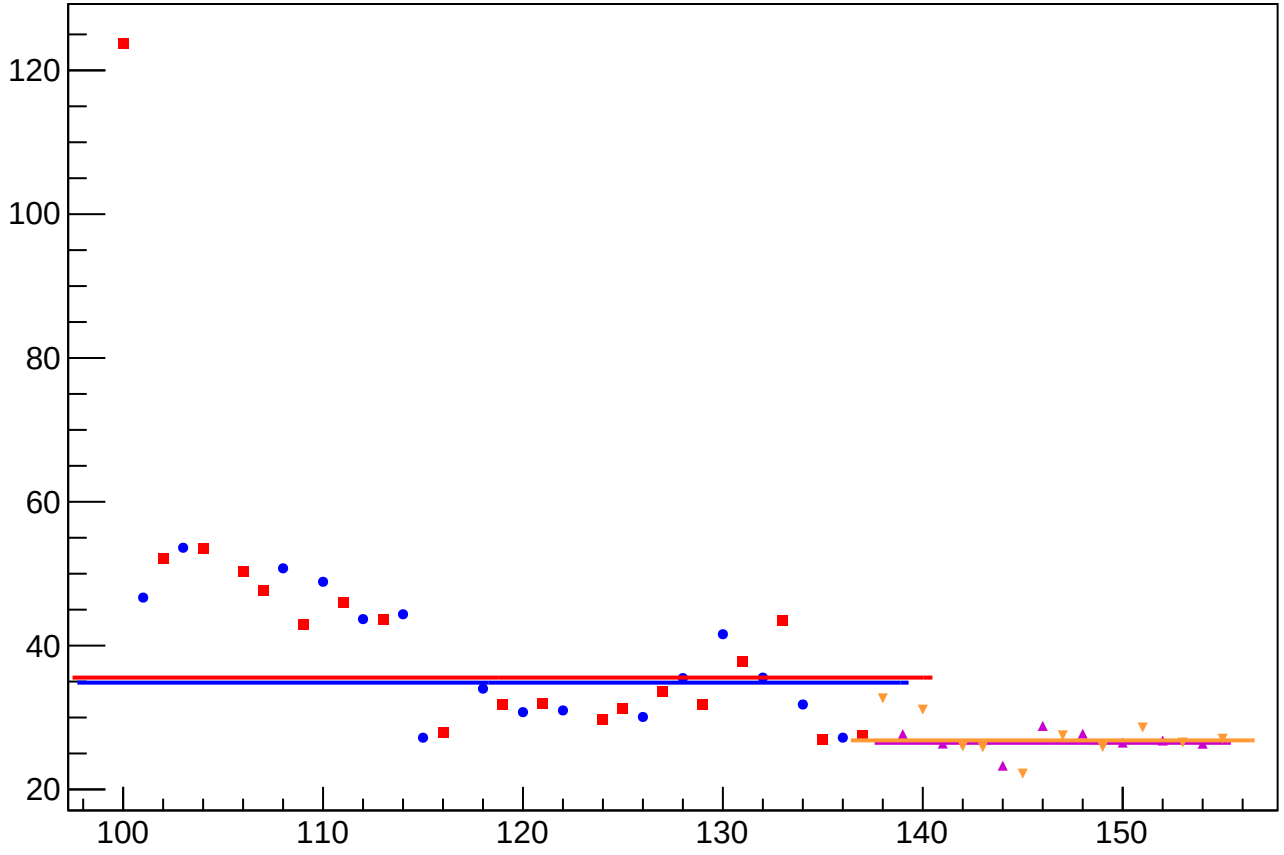
Left In: 17.838+/-10.138 χ^2/NDF:5.8/7

+ sign 1.693+/-7.851 χ^2/NDF: 24.3/25

All: 9.990+/-5.638 χ^2/NDF: 55.5/52

- sign 18.825+/-8.101 χ^2/NDF: 28.9/26

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.820+/-0.007 χ^2/NDF:160244.8/9

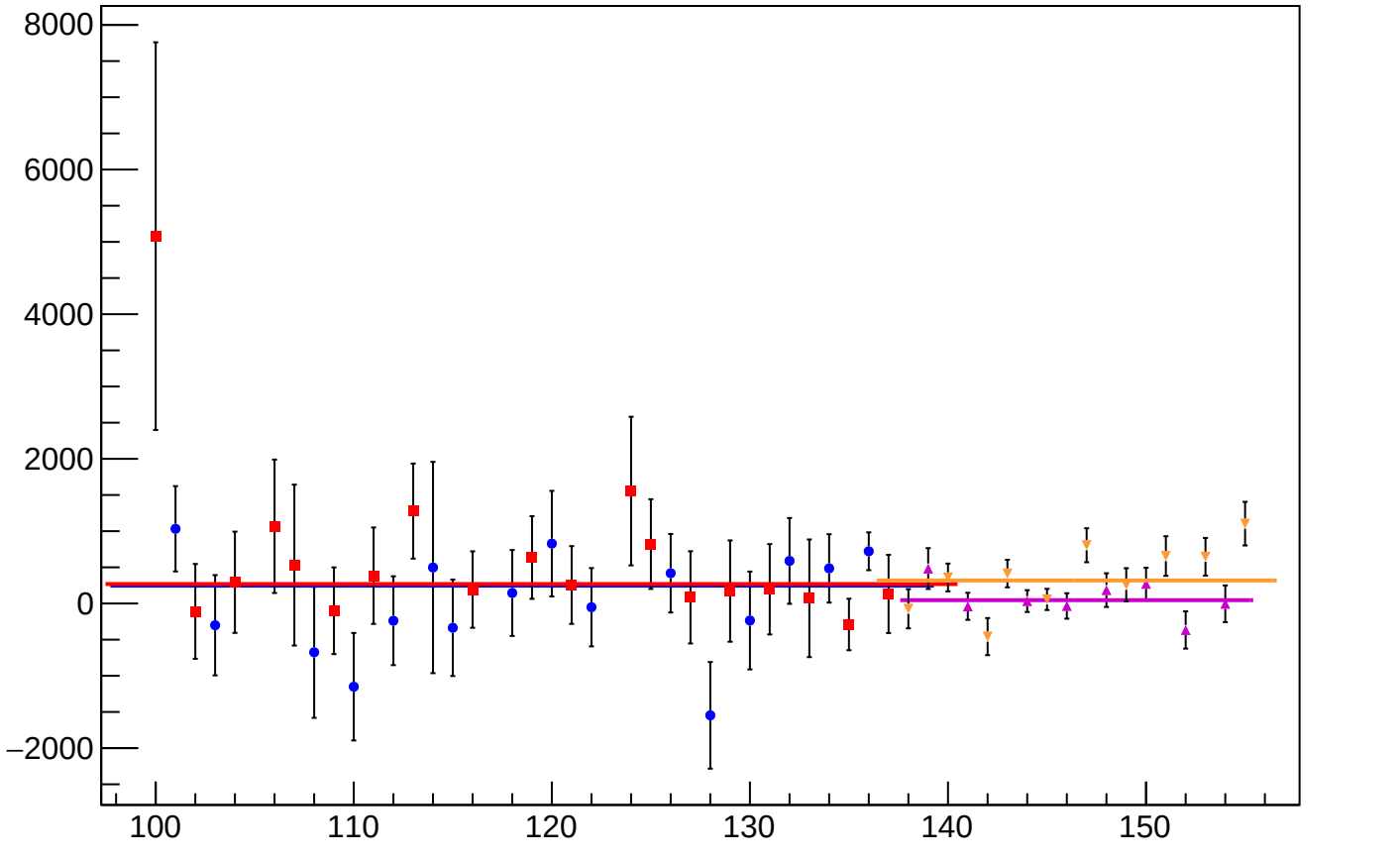
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

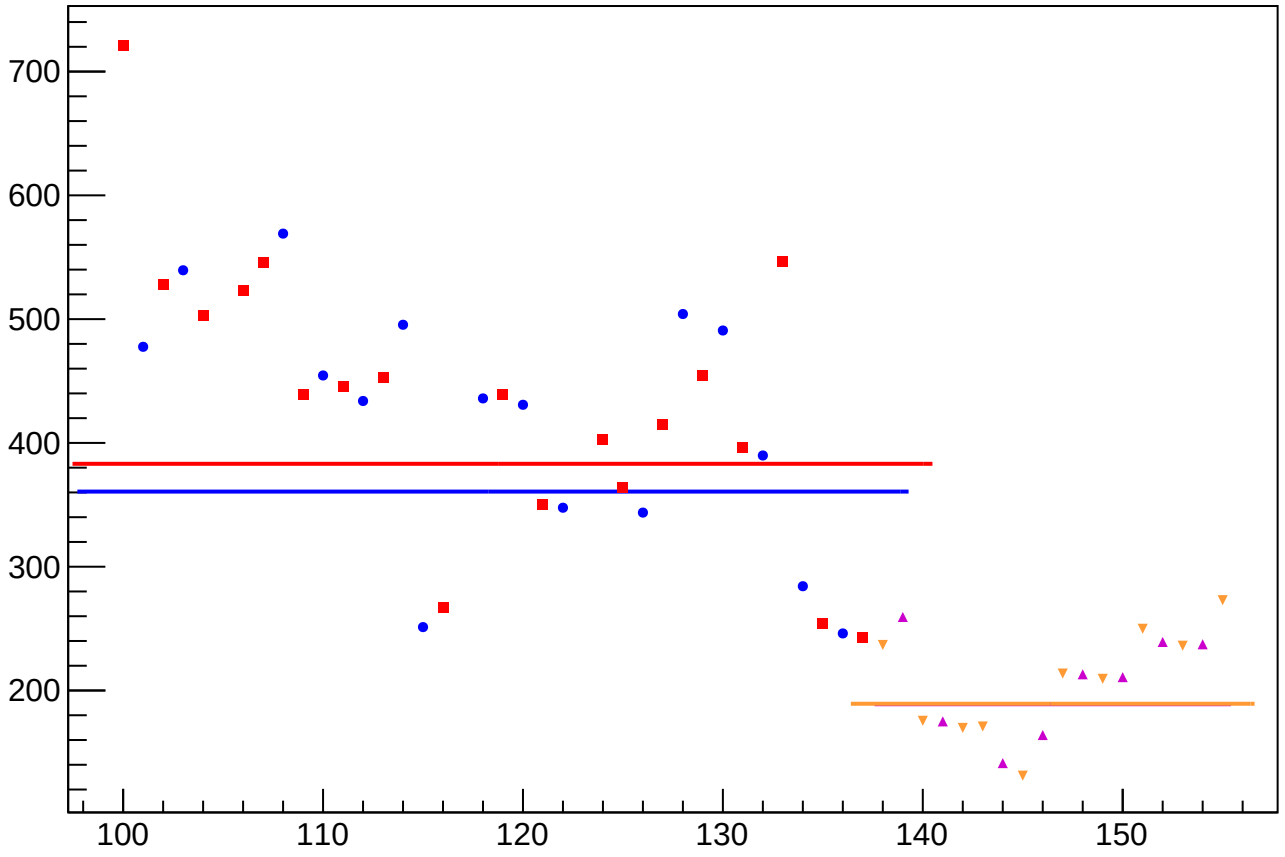
Left In: 26.483+/-0.007 χ^2/NDF:49866.8/7

+ sign 29.579+/-0.006 χ^2/NDF: 1290318.7/25

All: 29.667+/-0.004 χ^2/NDF: 2699152.6/52

- sign 29.761+/-0.006 χ^2/NDF: 1408312.8/26


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
Right In: 246.505+/-140.274 χ²/NDF: 19.8/15
Left Out: 318.507+/-69.566 χ²/NDF:29.0/9
Right Out: 268.913+/-145.295 χ²/NDF: 12.6/18
Left In: 46.052+/-73.214 χ²/NDF:6.8/7
+ sign 304.294+/-62.323 χ²/NDF: 49.0/25
All: 202.841+/-45.112 χ²/NDF: 75.9/52
- sign 91.181+/-65.383 χ²/NDF: 21.3/26



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 189.292+/-0.049 χ^2/NDF:771155.9/9

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

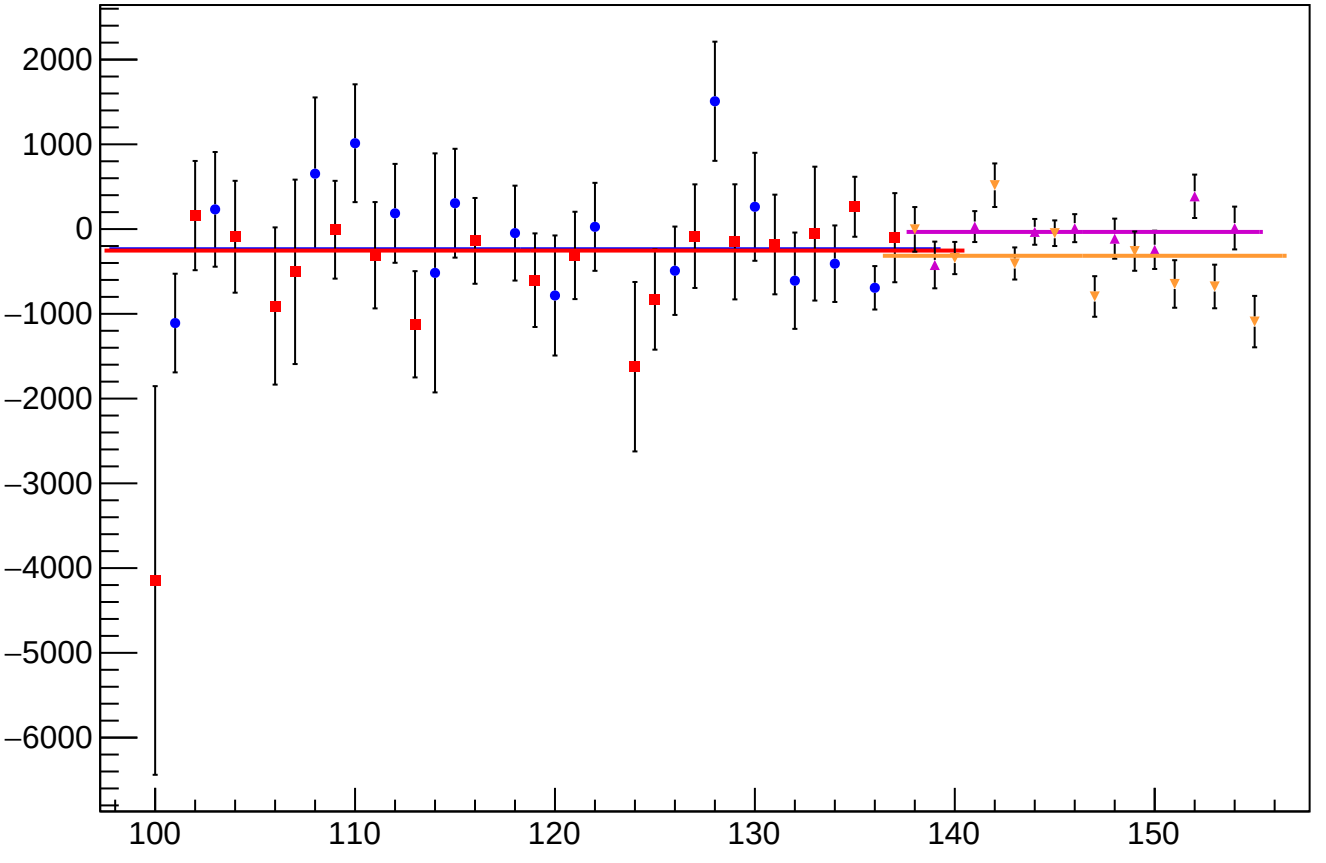
Left In: 188.904+/-0.052 χ^2/NDF:564108.8/7

+ sign 223.125+/-0.044 χ^2/NDF: 4260503.4/25

All: 225.558+/-0.032 χ^2/NDF: 8644357.9/52

- sign 228.235+/-0.046 χ^2/NDF: 4377455.3/26

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -315.022+/-70.095 χ^2/NDF:29.3/9

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

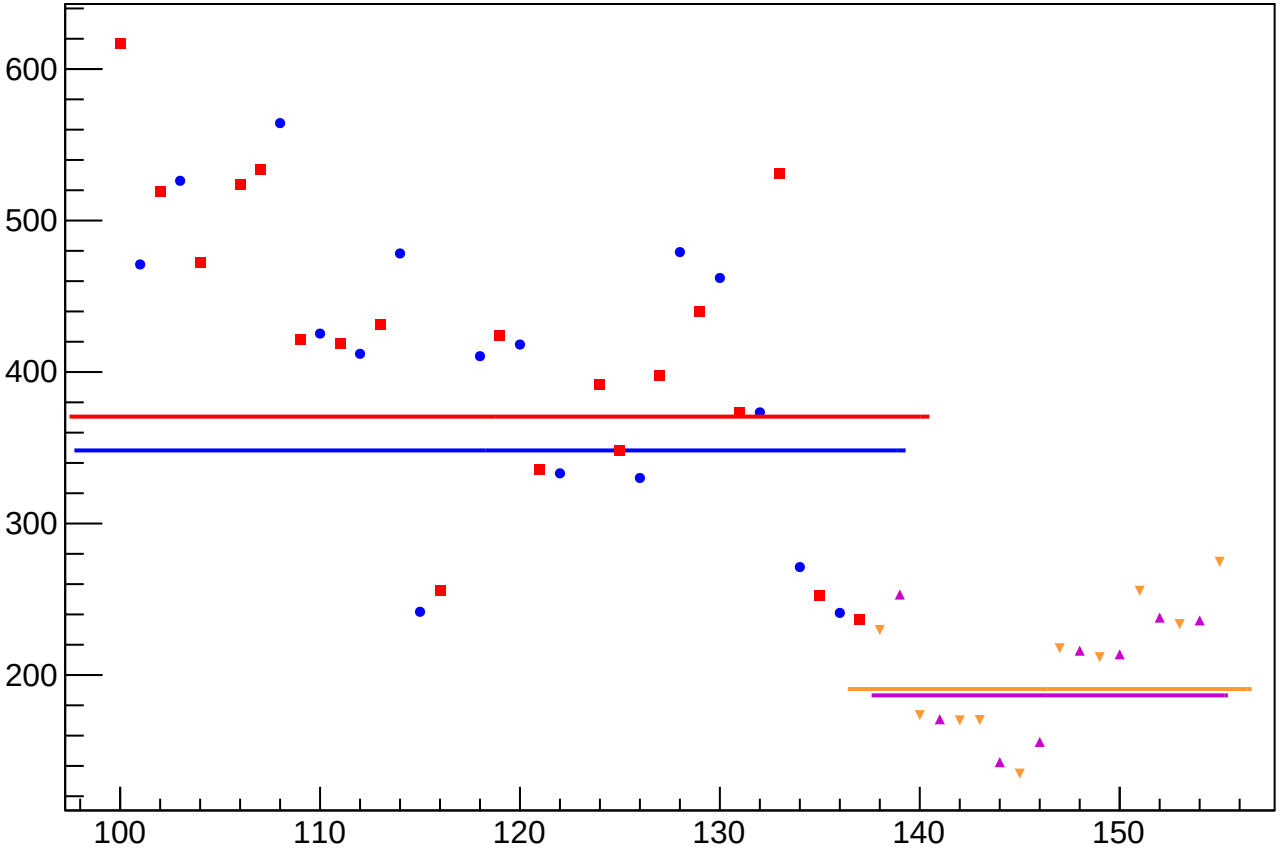
Left In: -33.600+/-72.292 χ^2/NDF:5.9/7

+ sign -298.742+/-62.243 χ^2/NDF: 49.4/25

All: -192.718+/-44.713 χ^2/NDF: 75.0/52

- sign -79.664+/-64.274 χ^2/NDF: 19.5/26

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 190.764+/-0.050 χ^2/NDF:726718.8/9

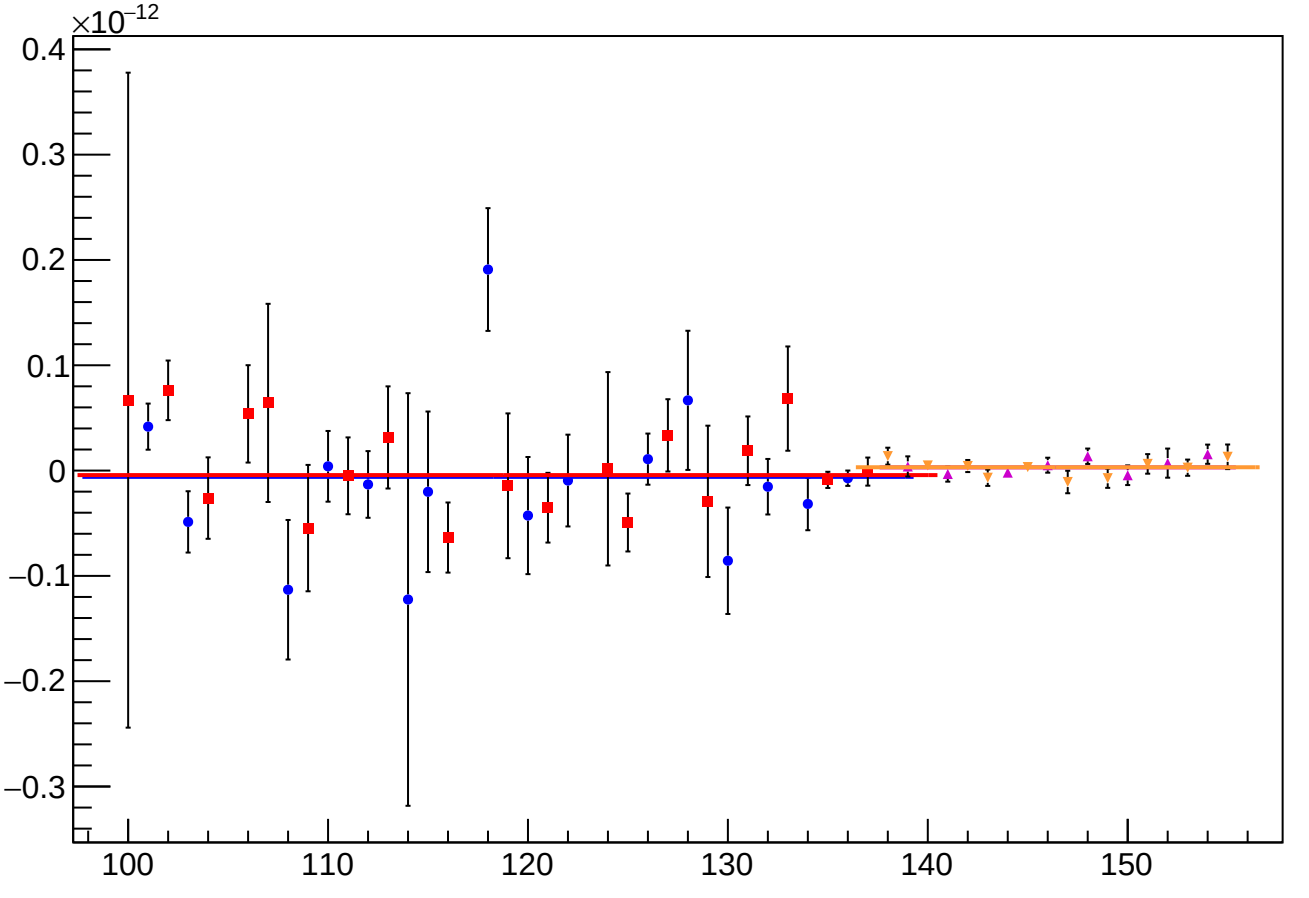
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 186.576+/-0.051 χ^2/NDF:585142.2/7

+ sign 224.070+/-0.044 χ^2/NDF: 3918706.2/25

All: 224.584+/-0.032 χ^2/NDF: 8137063.0/52

- sign 225.132+/-0.045 χ^2/NDF: 4218075.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/9

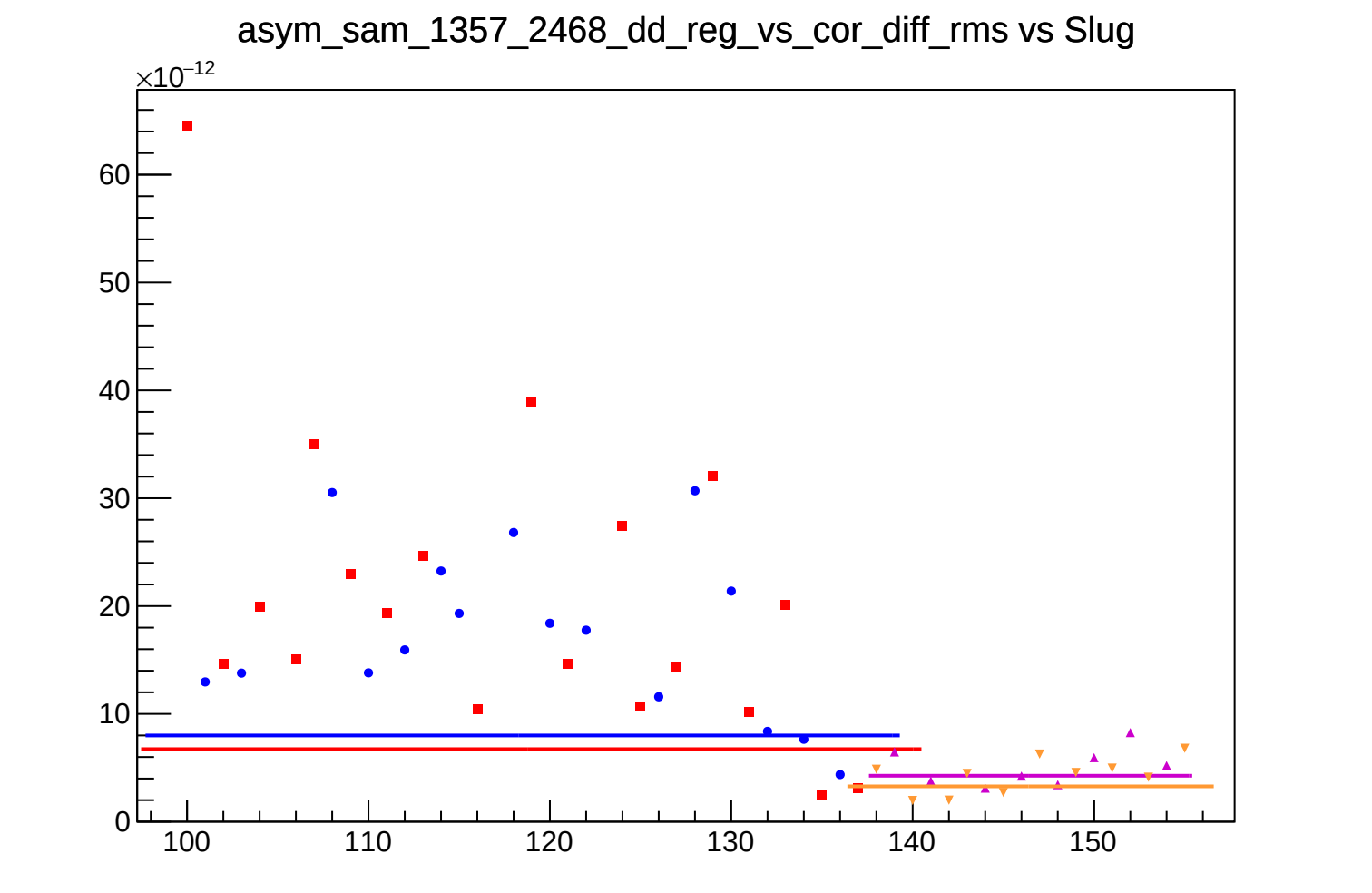
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 37.0/25

All: 0.000+/-0.000 χ^2/NDF: 68.0/52

- sign 0.000+/-0.000 χ^2/NDF: 31.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:933546.3/9

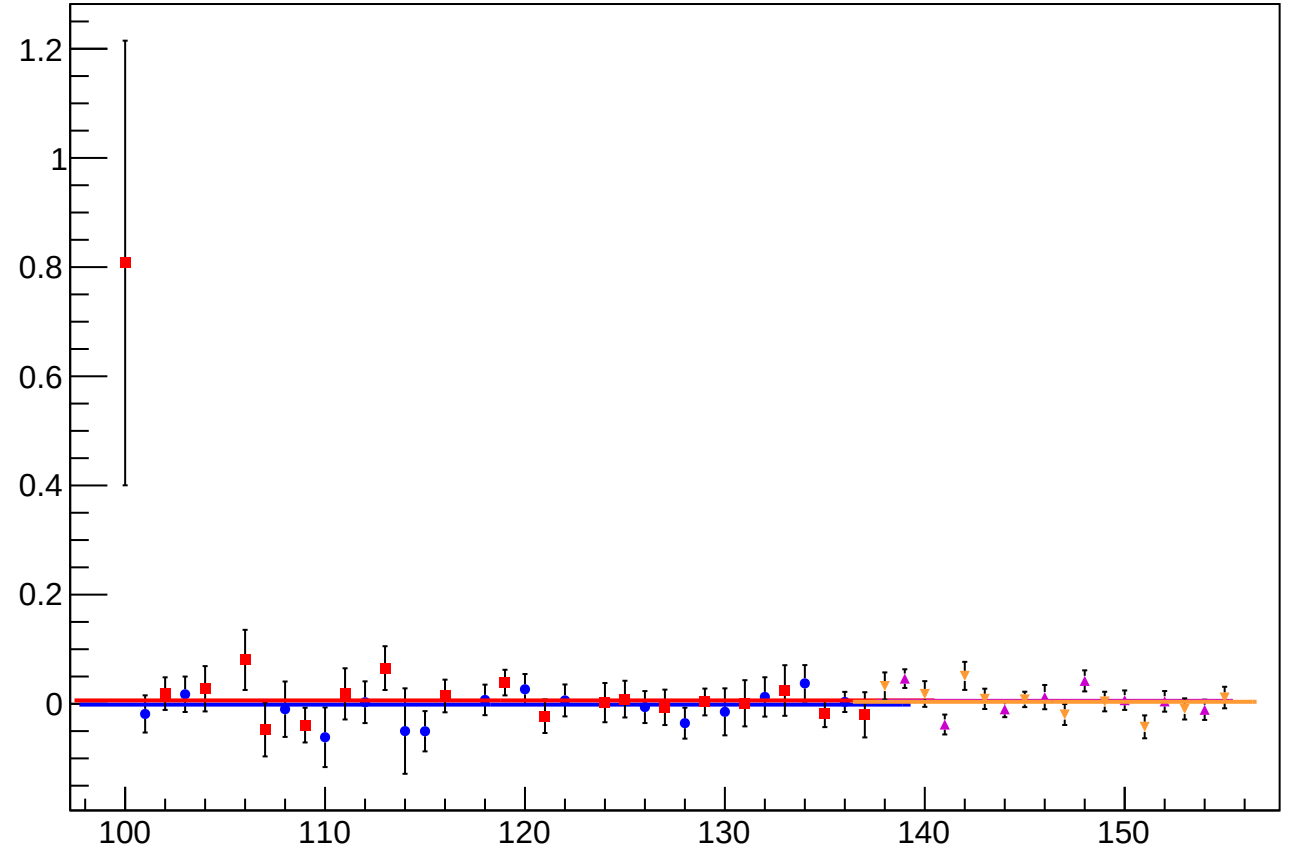
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:510675.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 4095012.5/25

All: 0.000+/-0.000 χ^2/NDF: 8466413.4/52

- sign 0.000+/-0.000 χ^2/NDF: 4210514.3/26



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.006 χ^2/NDF:12.2/9

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

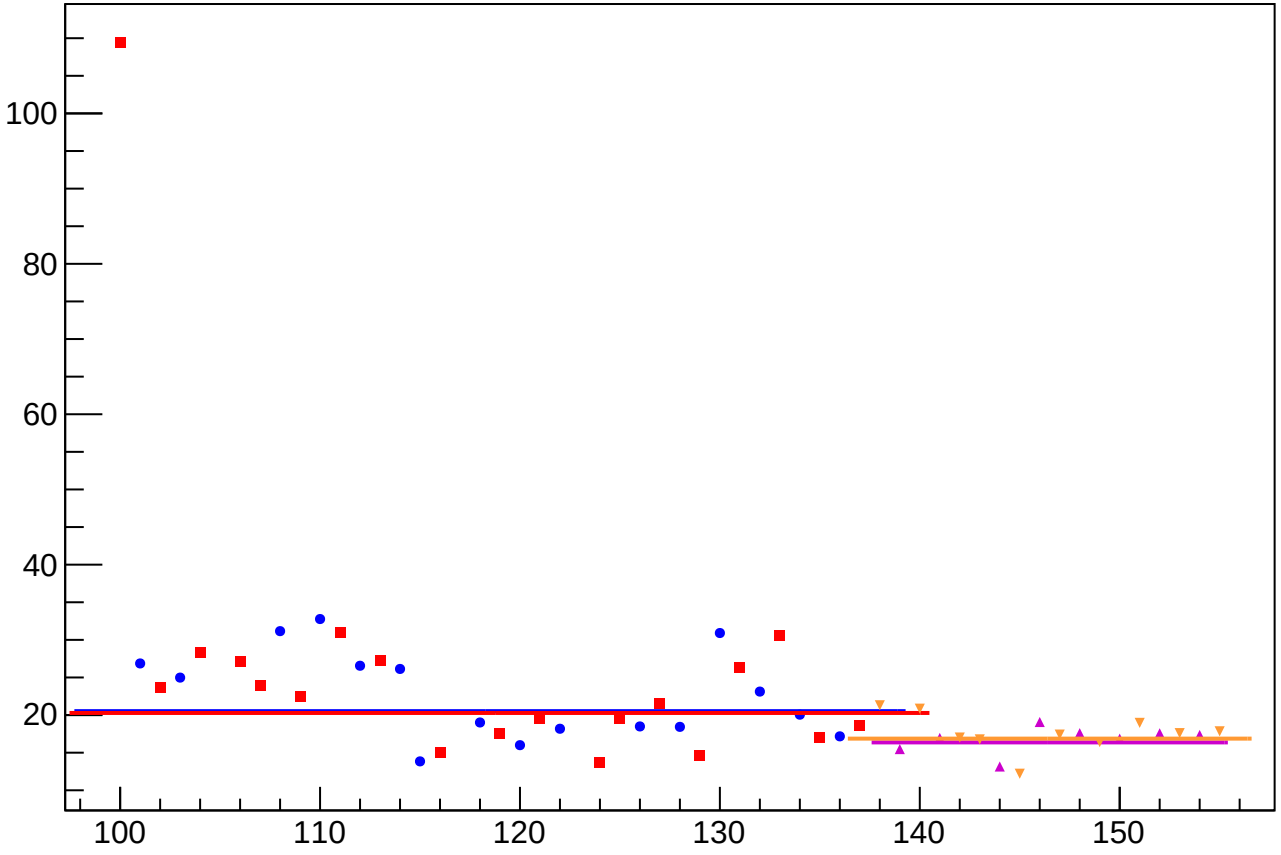
Left In: 0.005+/-0.006 χ^2/NDF:17.0/7

+ sign 0.002+/-0.005 χ^2/NDF: 20.7/25

All: 0.004+/-0.003 χ^2/NDF: 54.2/52

- sign 0.006+/-0.005 χ^2/NDF: 33.2/26

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: 16.869+/-0.004 χ^2/NDF:368927.9/9

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

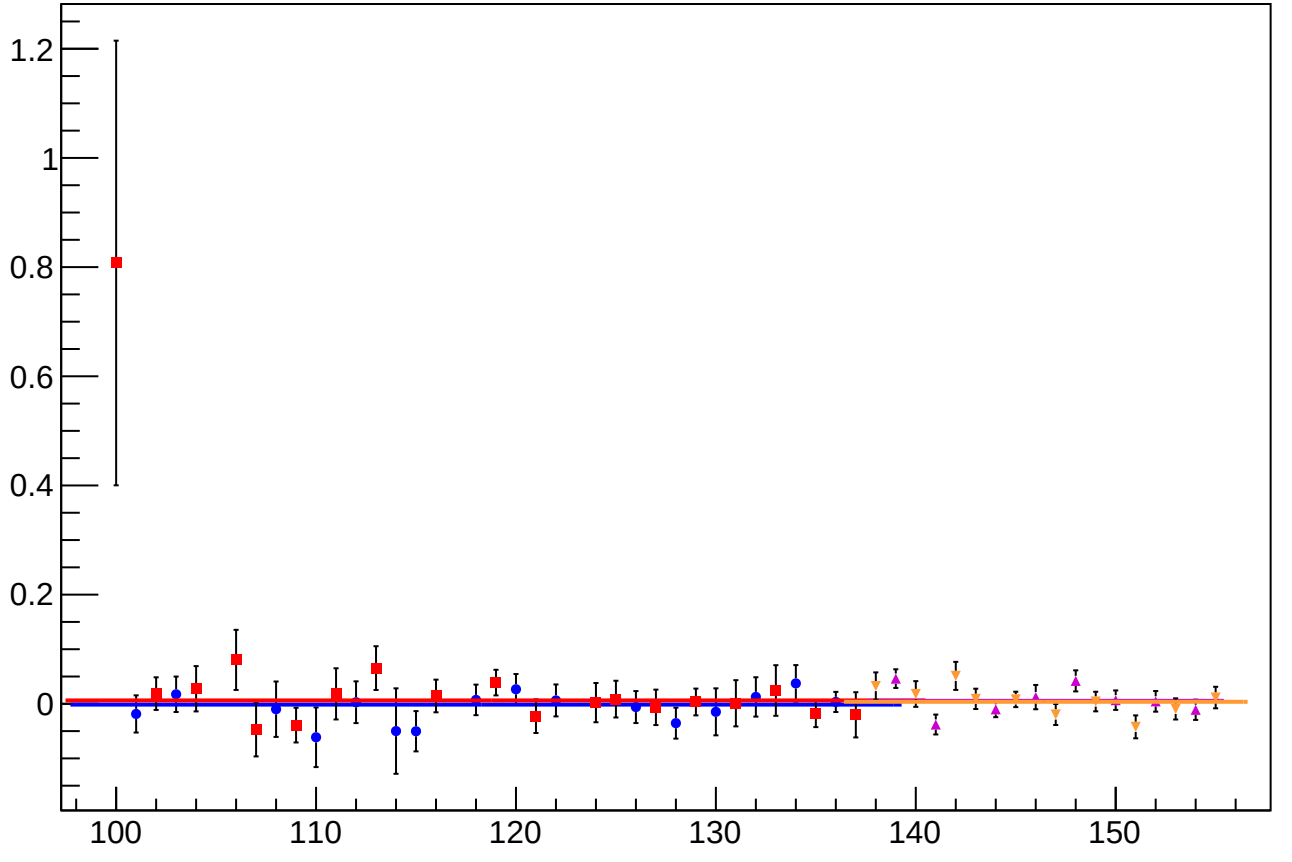
Left In: 16.367+/-0.004 χ^2/NDF:159951.3/7

+ sign 18.223+/-0.003 χ^2/NDF: 1333353.2/25

All: 18.066+/-0.002 χ^2/NDF: 2660996.1/52

- sign 17.907+/-0.003 χ^2/NDF: 1323511.6/26

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: 0.004+/-0.006 χ^2/NDF:12.2/9

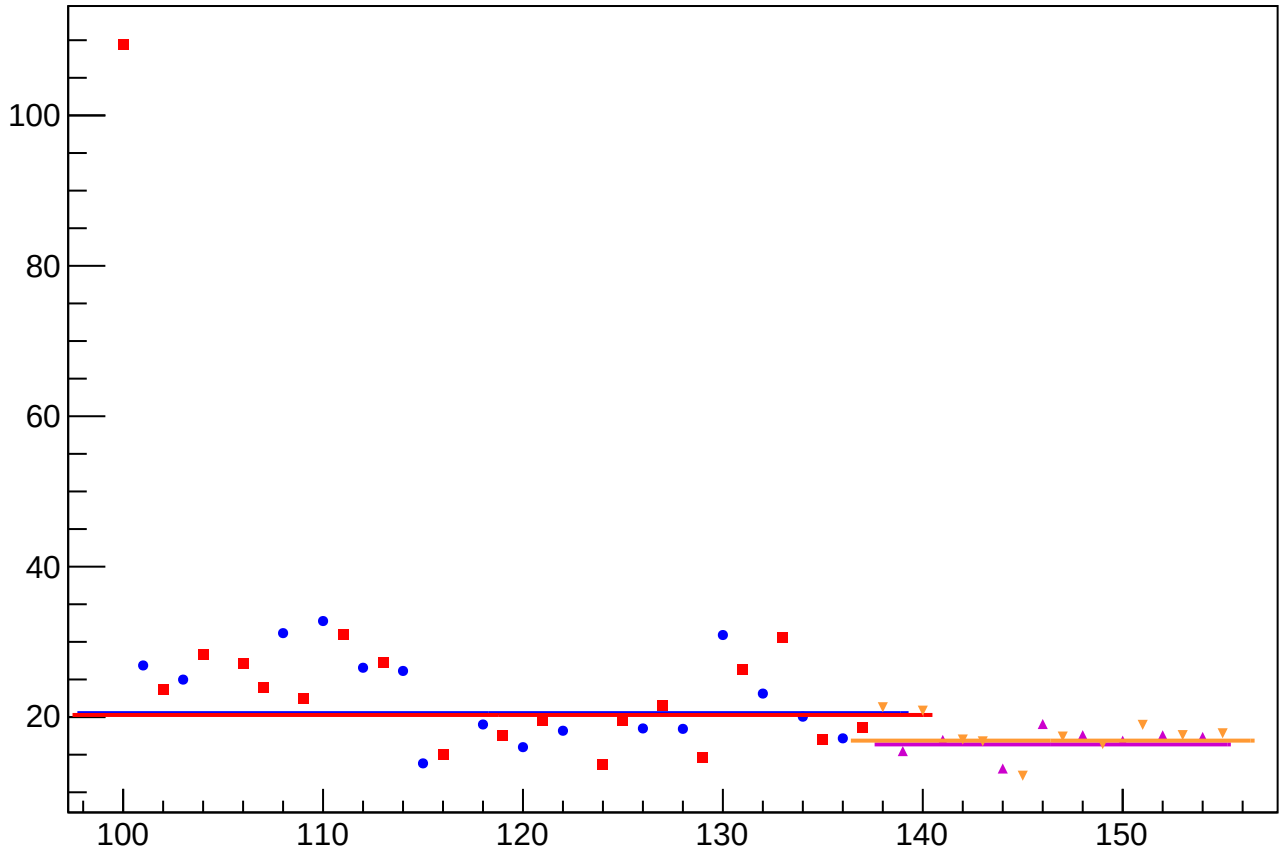
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.006 χ^2/NDF:17.0/7

+ sign 0.002+/-0.005 χ^2/NDF: 20.7/25

All: 0.004+/-0.003 χ^2/NDF: 54.2/52

- sign 0.006+/-0.005 χ^2/NDF: 33.2/26



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.869+/-0.004 χ^2/NDF:368927.9/9

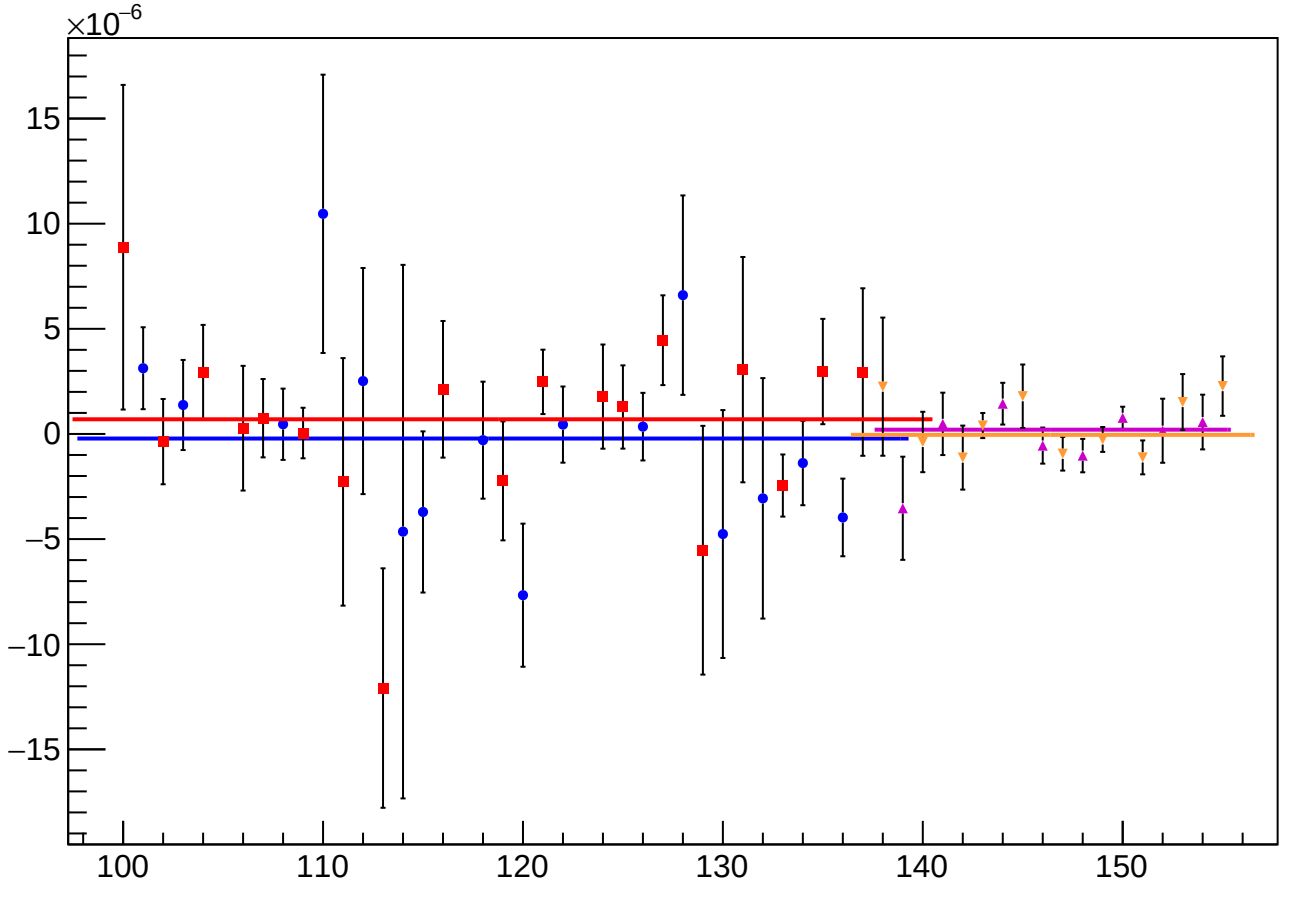
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.367+/-0.004 χ^2/NDF:159951.3/7

+ sign 18.223+/-0.003 χ^2/NDF: 1333353.2/25

All: 18.066+/-0.002 χ^2/NDF: 2660996.1/52

- sign 17.907+/-0.003 χ^2/NDF: 1323511.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/9

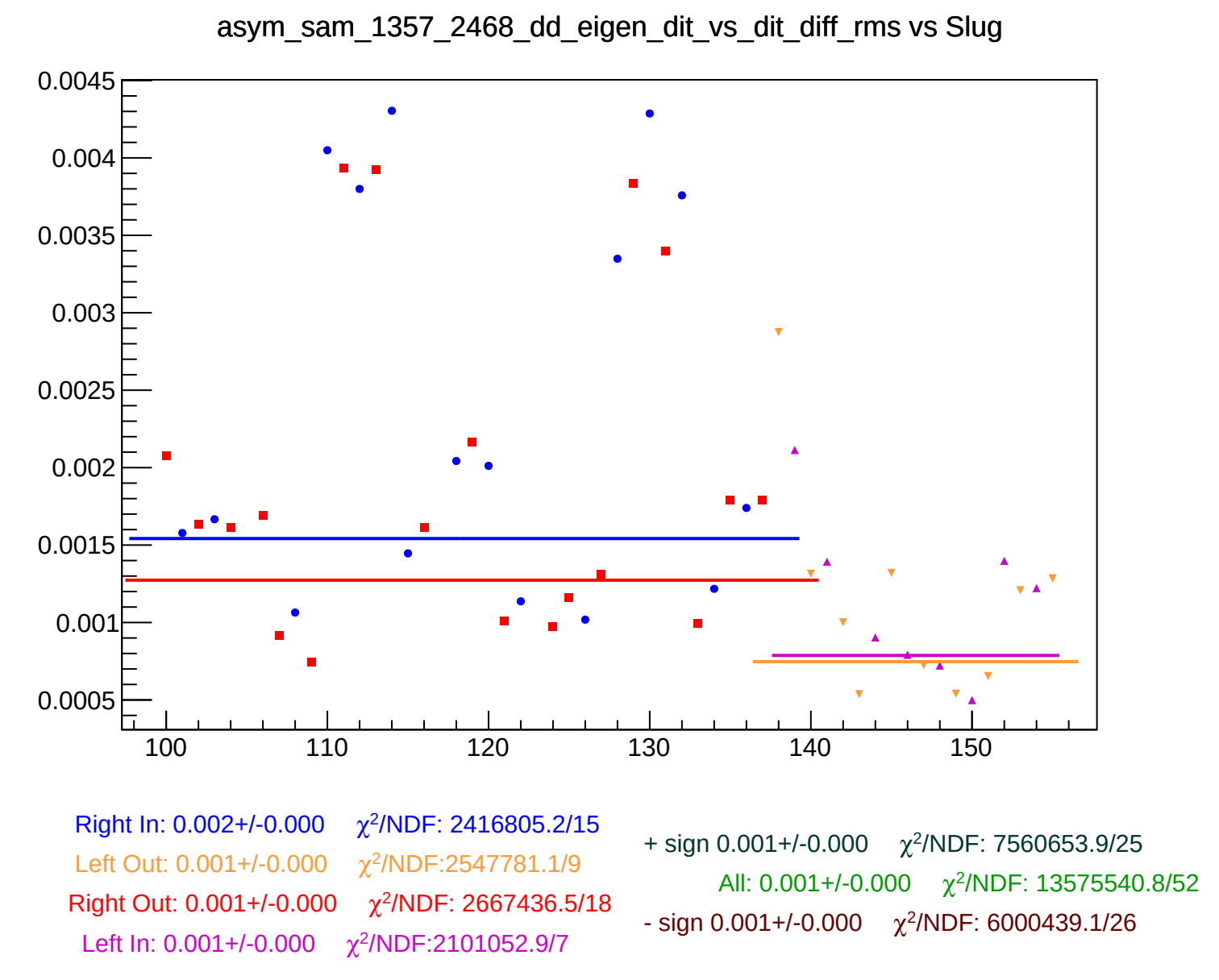
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/7

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/25

All: 0.000+/-0.000 χ^2/NDF: 61.4/52

- sign 0.000+/-0.000 χ^2/NDF: 29.9/26


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
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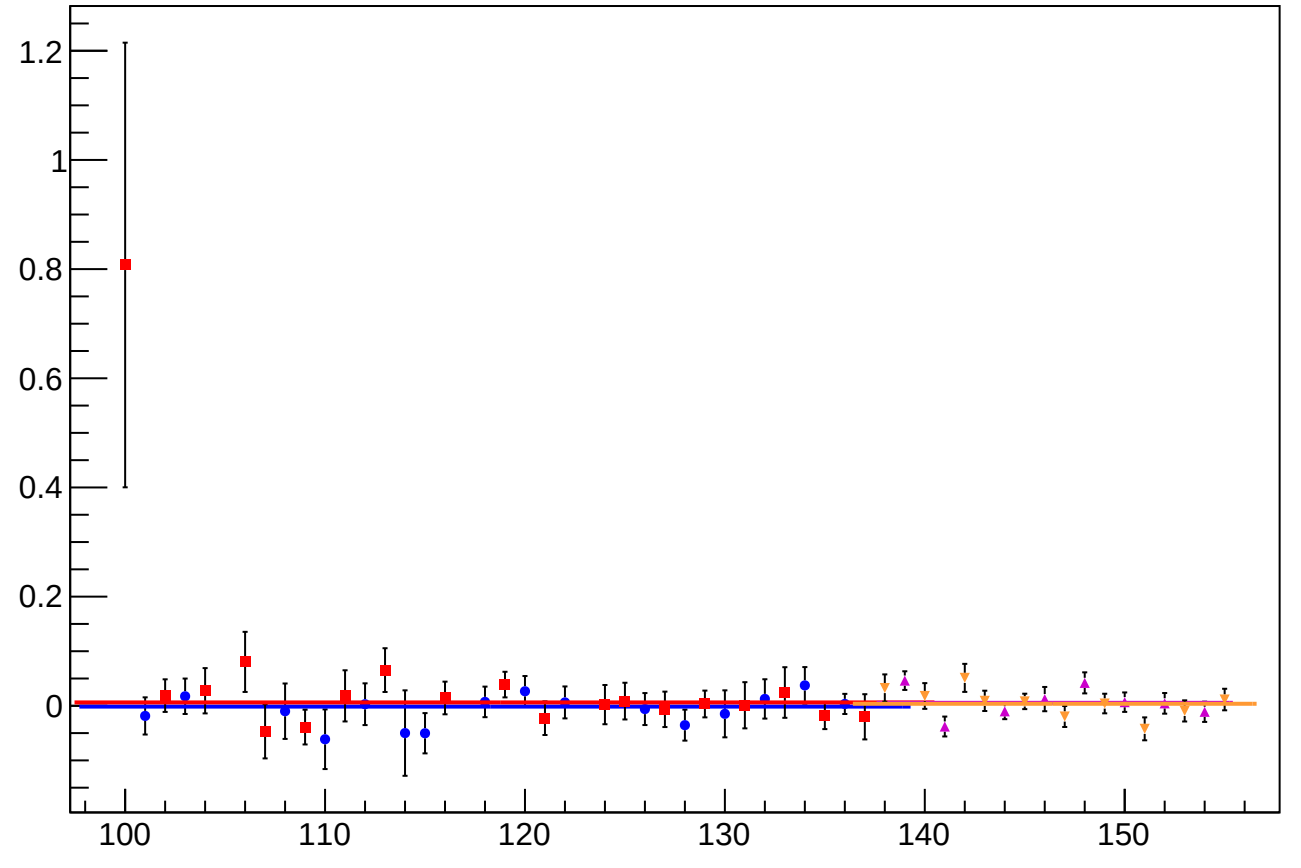
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:2547781.1/9
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:2101052.9/7
+ sign 0.001+/-0.000 χ²/NDF: 7560653.9/25
All: 0.001+/-0.000 χ²/NDF: 13575540.8/52
- sign 0.001+/-0.000 χ²/NDF: 6000439.1/26



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.006 χ^2/NDF:12.2/9

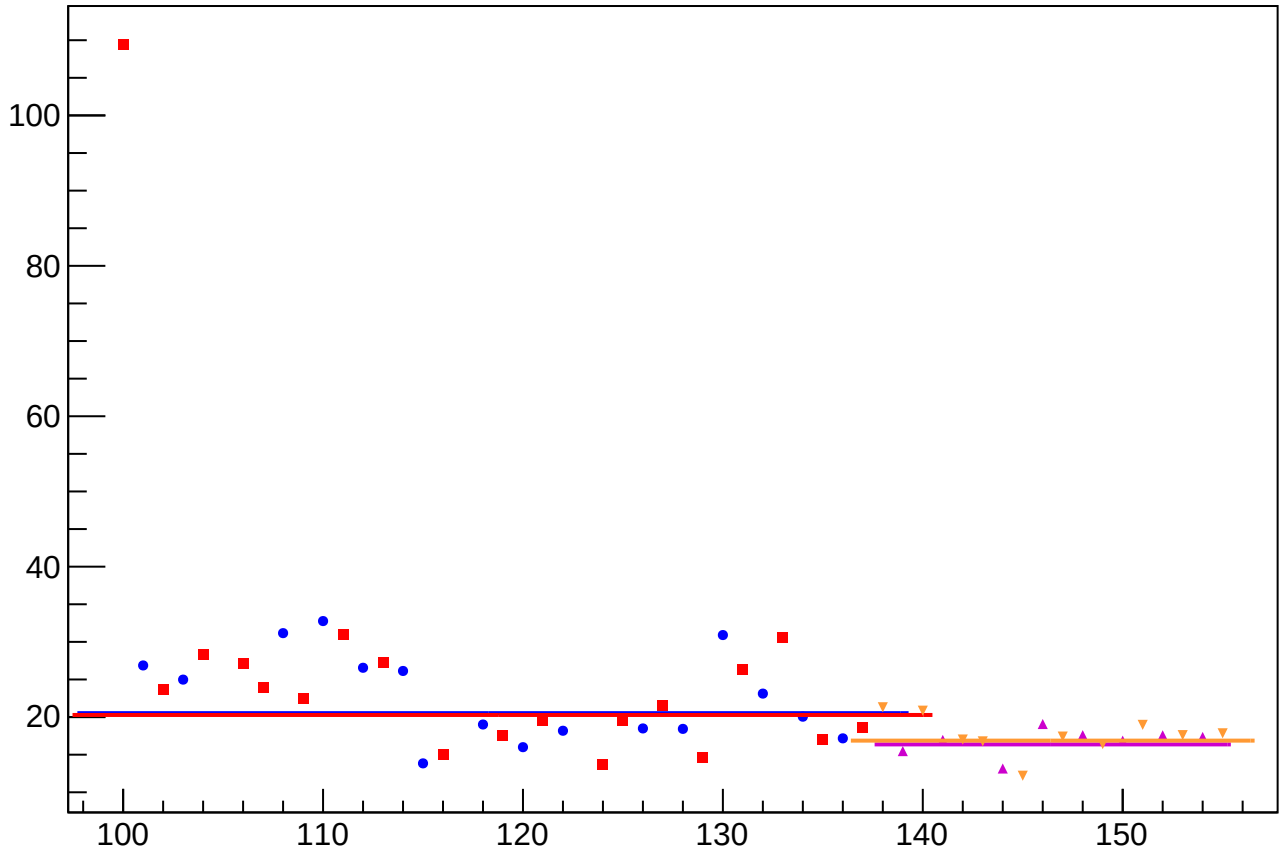
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.006 χ^2/NDF:17.0/7

+ sign 0.002+/-0.005 χ^2/NDF: 20.7/25

All: 0.004+/-0.003 χ^2/NDF: 54.2/52

- sign 0.006+/-0.005 χ^2/NDF: 33.2/26



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.870+/-0.004 χ^2/NDF:368864.0/9

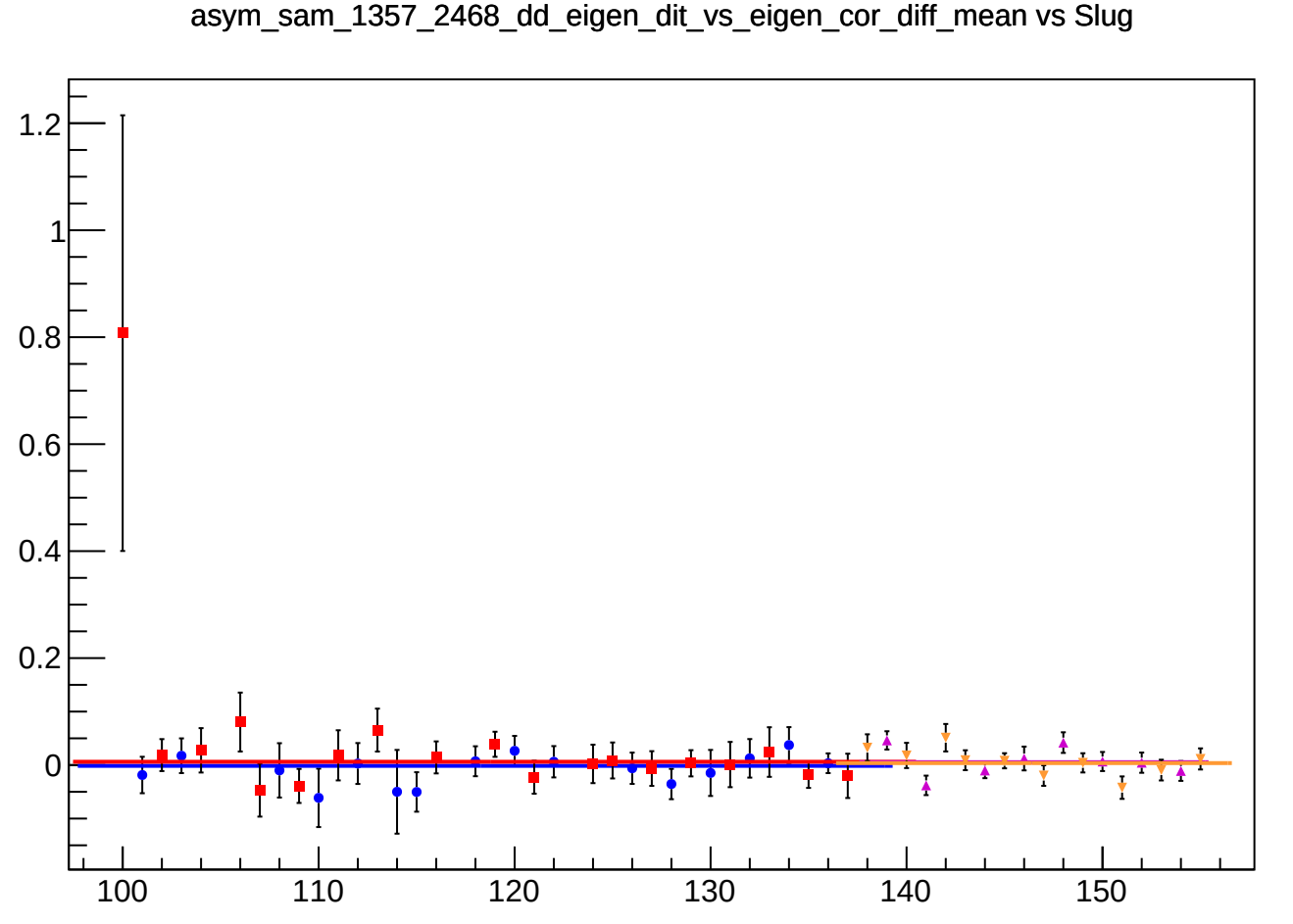
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.367+/-0.004 χ^2/NDF:159964.4/7

+ sign 18.223+/-0.003 χ^2/NDF: 1333062.9/25

All: 18.066+/-0.002 χ^2/NDF: 2660625.9/52

- sign 17.906+/-0.003 χ^2/NDF: 1323427.0/26



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.006 χ^2/NDF:12.2/9

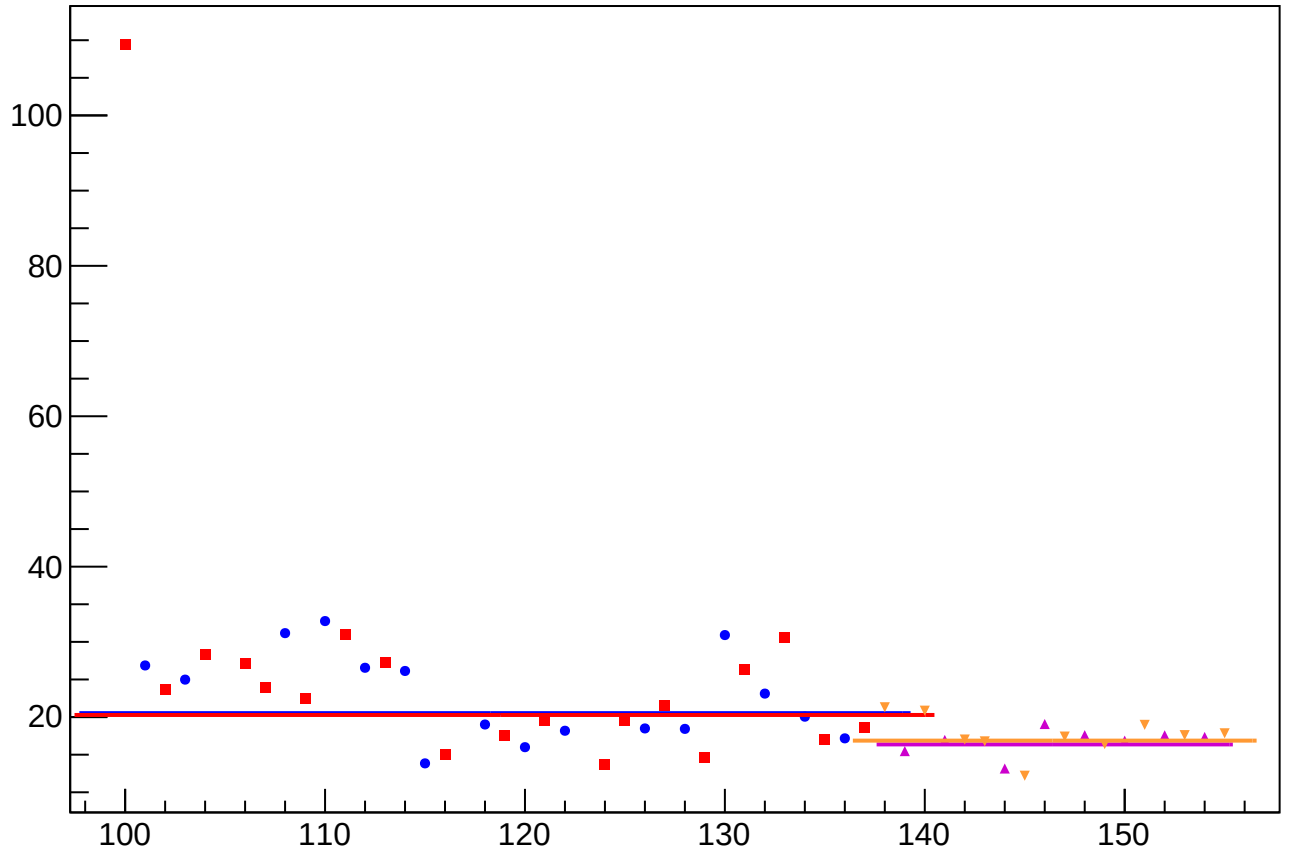
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.005+/-0.006 χ^2/NDF:17.0/7

+ sign 0.002+/-0.005 χ^2/NDF: 20.7/25

All: 0.004+/-0.003 χ^2/NDF: 54.2/52

- sign 0.006+/-0.005 χ^2/NDF: 33.2/26



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.870+/-0.004 χ^2/NDF:368864.0/9

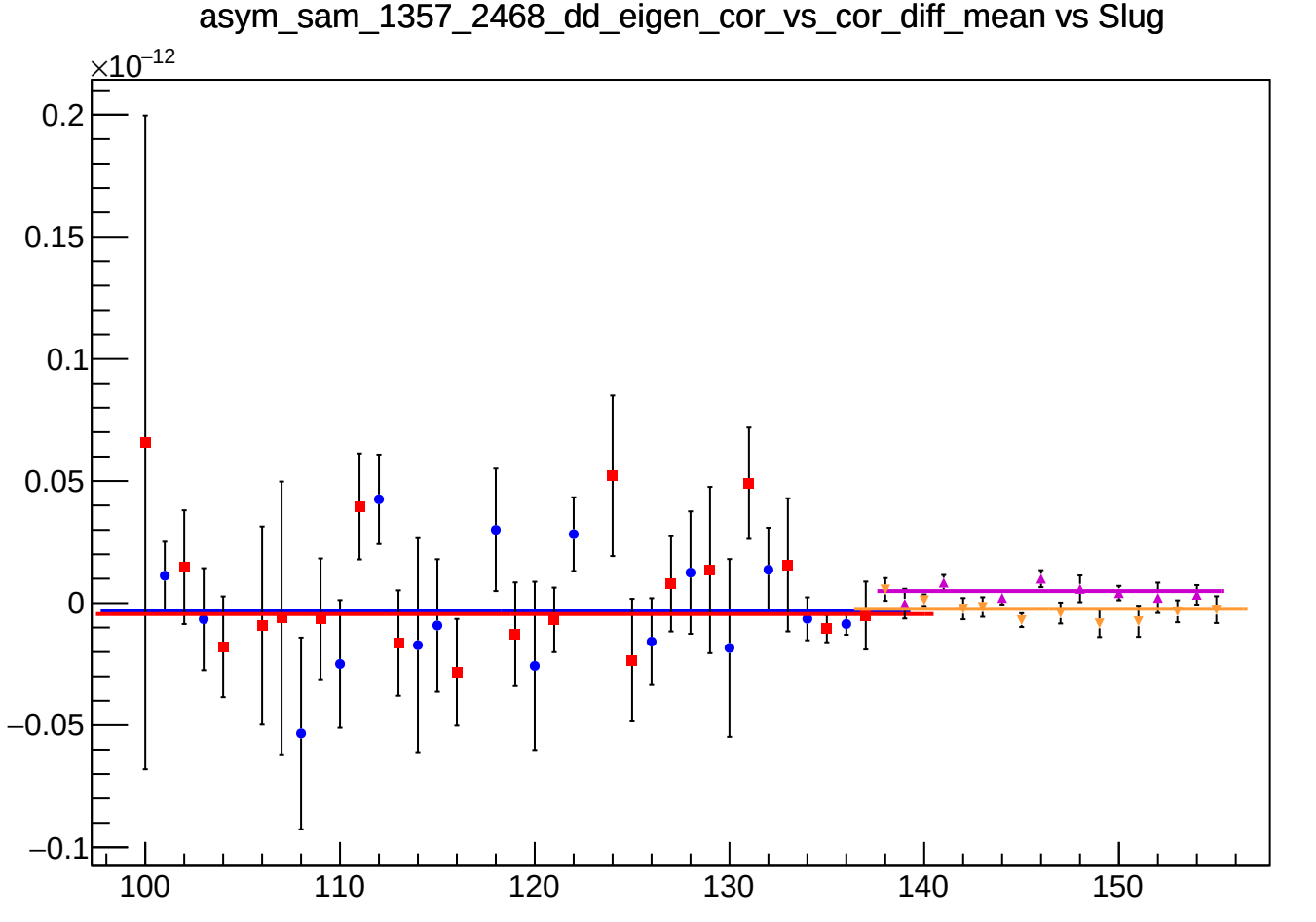
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.367+/-0.004 χ^2/NDF:159964.4/7

+ sign 18.223+/-0.003 χ^2/NDF: 1333062.9/25

All: 18.066+/-0.002 χ^2/NDF: 2660625.9/52

- sign 17.906+/-0.003 χ^2/NDF: 1323427.0/26



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/9

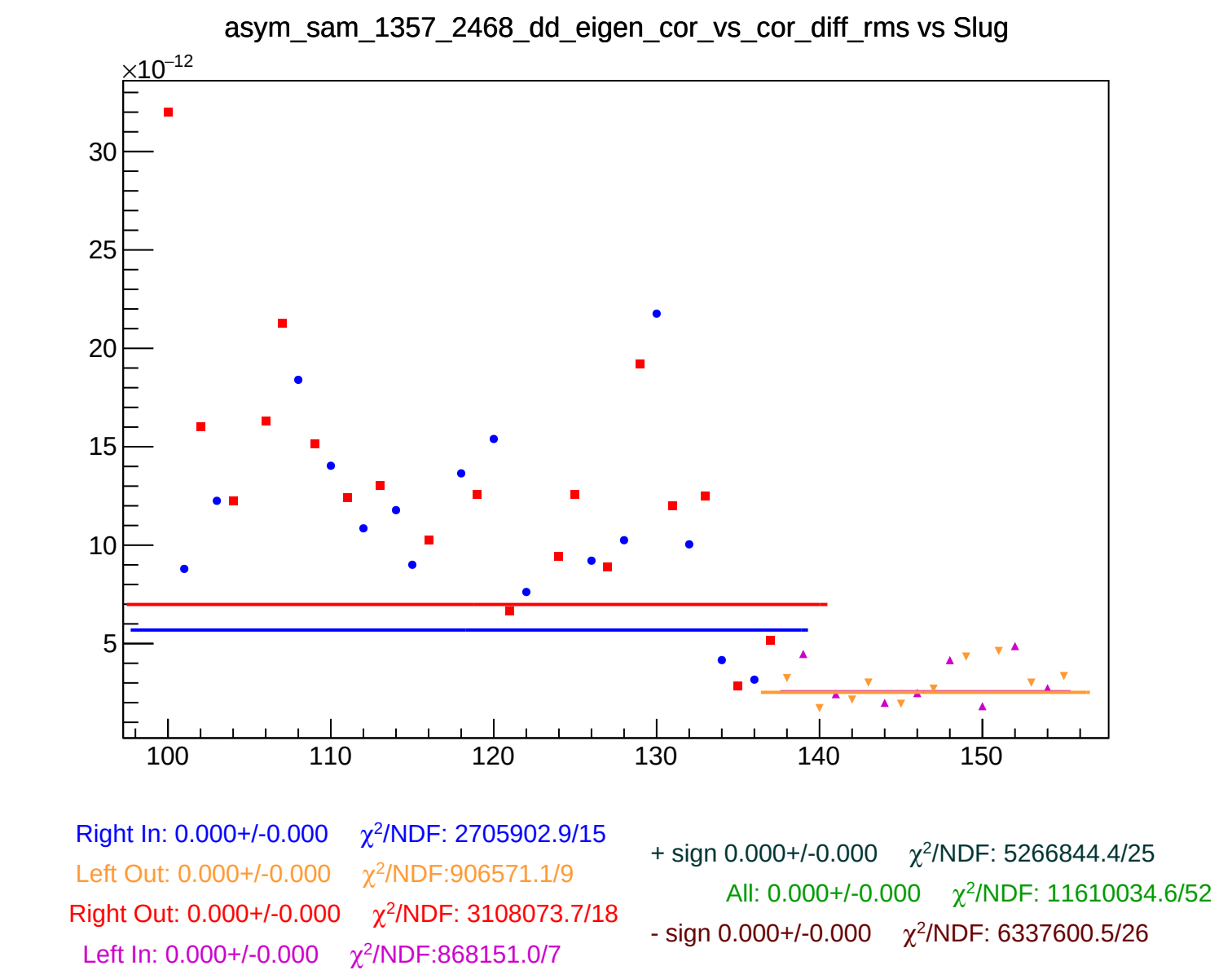
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/7

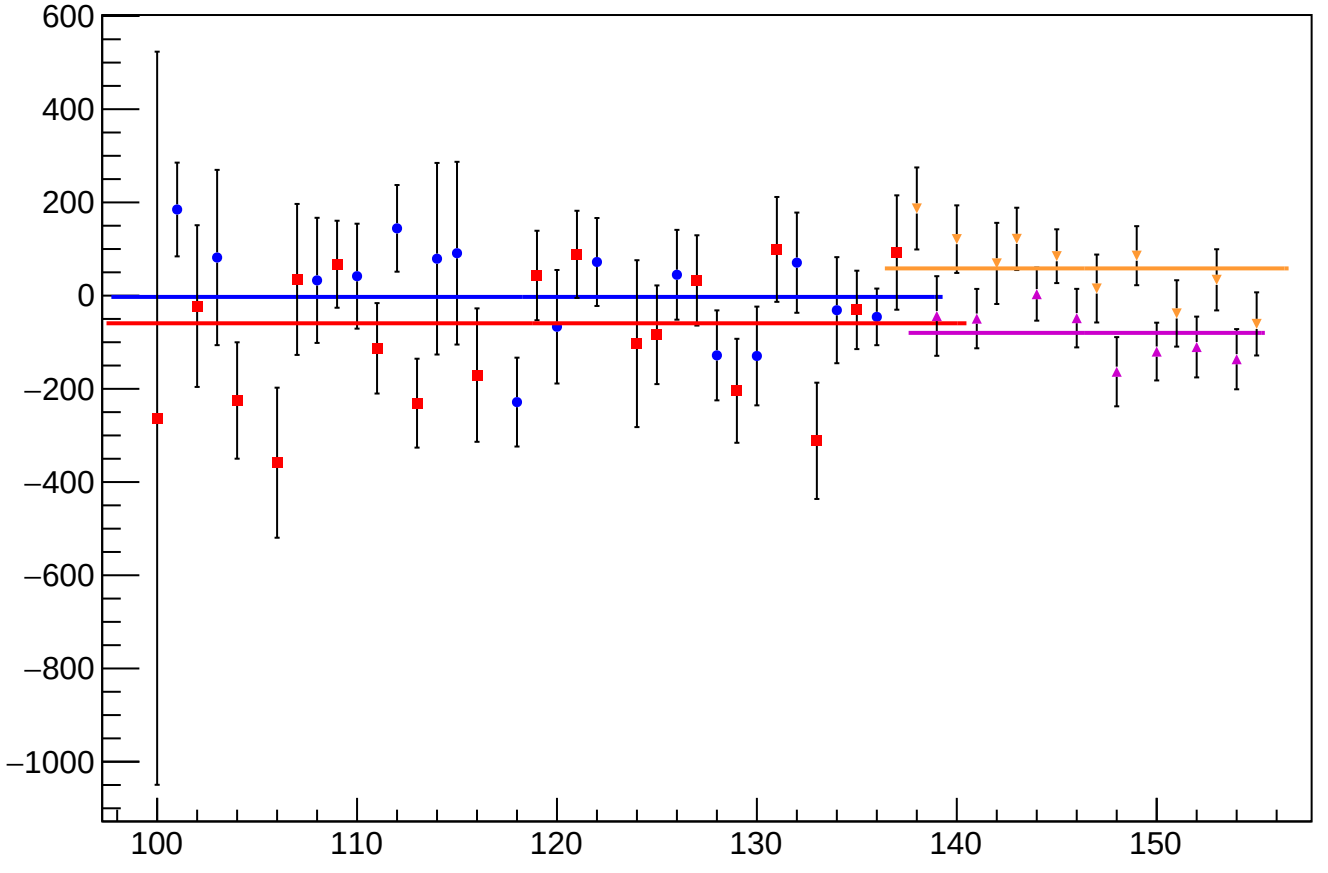
+ sign -0.000+/-0.000 χ^2/NDF: 29.8/25

All: 0.000+/-0.000 χ^2/NDF: 73.6/52

- sign 0.000+/-0.000 χ^2/NDF: 29.5/26


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
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:906571.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:868151.0/7
+ sign 0.000+/-0.000 χ²/NDF: 5266844.4/25
All: 0.000+/-0.000 χ²/NDF: 11610034.6/52
- sign 0.000+/-0.000 χ²/NDF: 6337600.5/26

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 58.399+/-22.030 χ^2/NDF:9.6/9

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

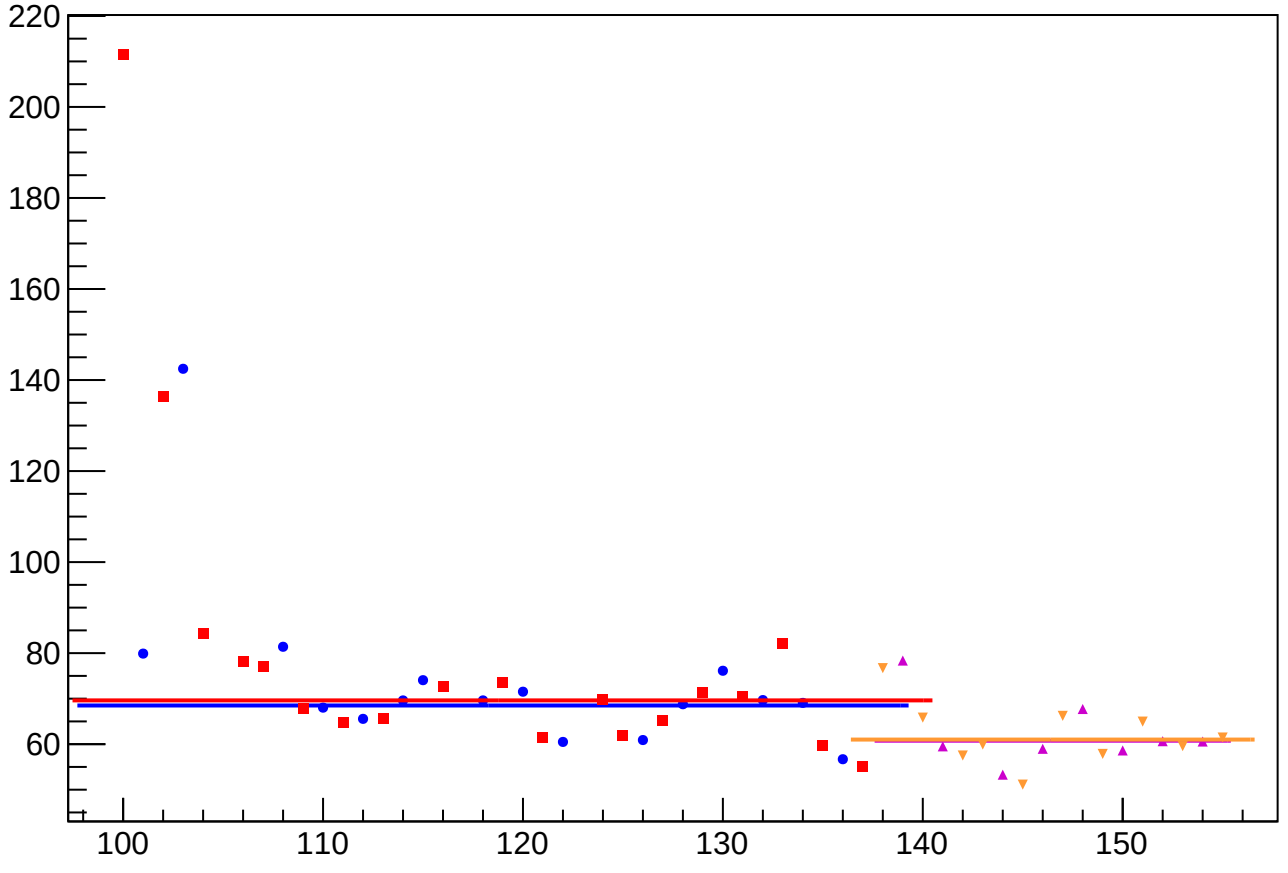
Left In: -79.930+/-23.172 χ^2/NDF:5.5/7

\+ sign 33.081+/-16.865 χ^2/NDF: 30.5/25

All: -17.288+/-12.113 χ^2/NDF: 80.4/52

\- sign -70.967+/-17.410 χ^2/NDF: 31.5/26

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.011+/-0.016 χ^2/NDF:157430.5/9

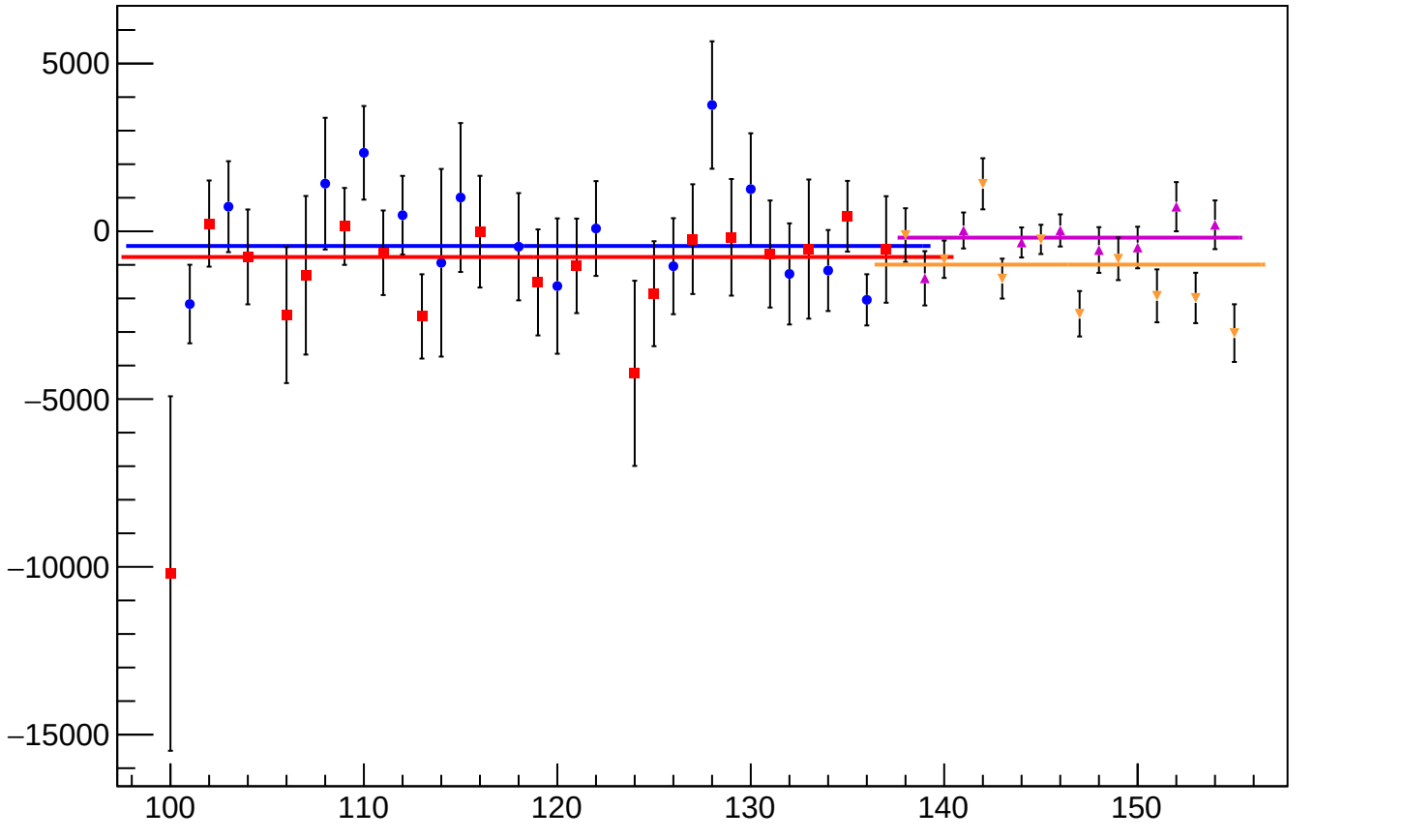
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.759+/-0.016 χ^2/NDF:141731.6/7

+ sign 64.111+/-0.012 χ^2/NDF: 724921.4/25

All: 64.356+/-0.009 χ^2/NDF: 1515296.2/52

- sign 64.618+/-0.012 χ^2/NDF: 789500.1/26



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -991.283+/-204.162 χ^2/NDF:28.3/9

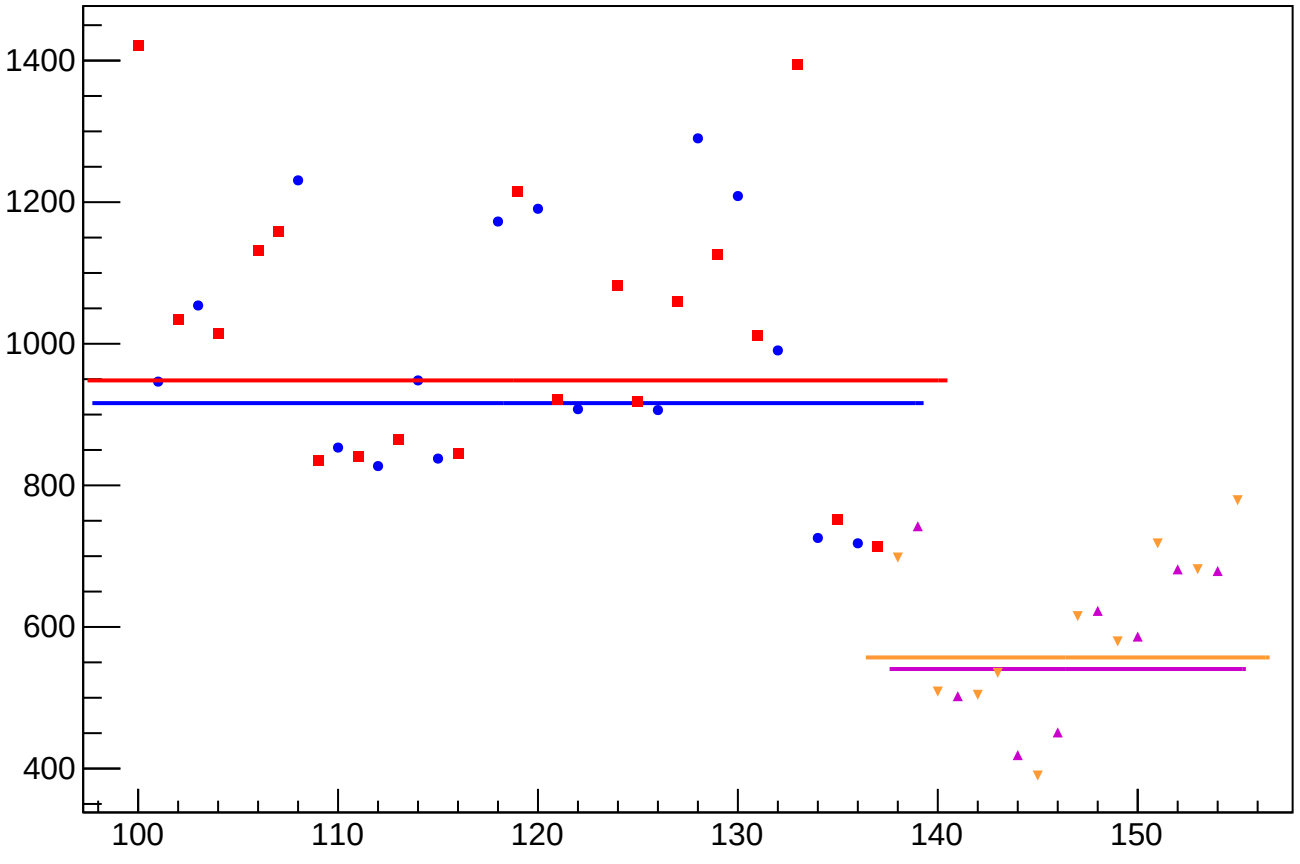
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -188.694+/-209.138 χ^2/NDF:5.1/7

+ sign -850.002+/-176.208 χ^2/NDF: 50.7/25

All: -599.596+/-125.896 χ^2/NDF: 73.2/52

- sign -338.480+/-179.937 χ^2/NDF: 18.4/26



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 556.929+/-0.144 χ^2/NDF:671286.5/9

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

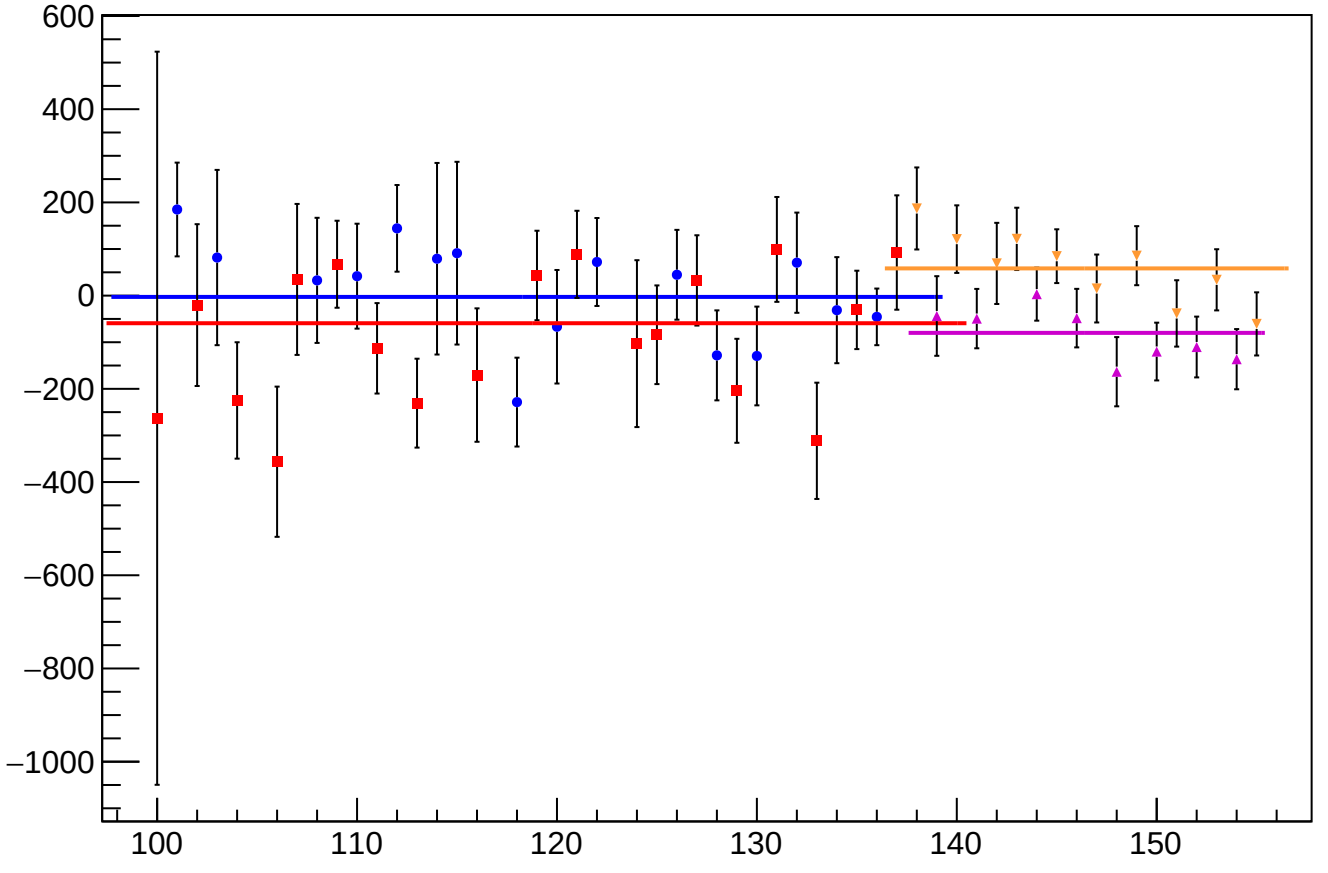
Left In: 540.616+/-0.148 χ^2/NDF:538263.9/7

+ sign 648.570+/-0.125 χ^2/NDF: 2760030.6/25

All: 647.555+/-0.089 χ^2/NDF: 5687123.5/52

- sign 646.497+/-0.127 χ^2/NDF: 2926957.4/26

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 58.405+/-22.030 χ^2/NDF:9.6/9

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

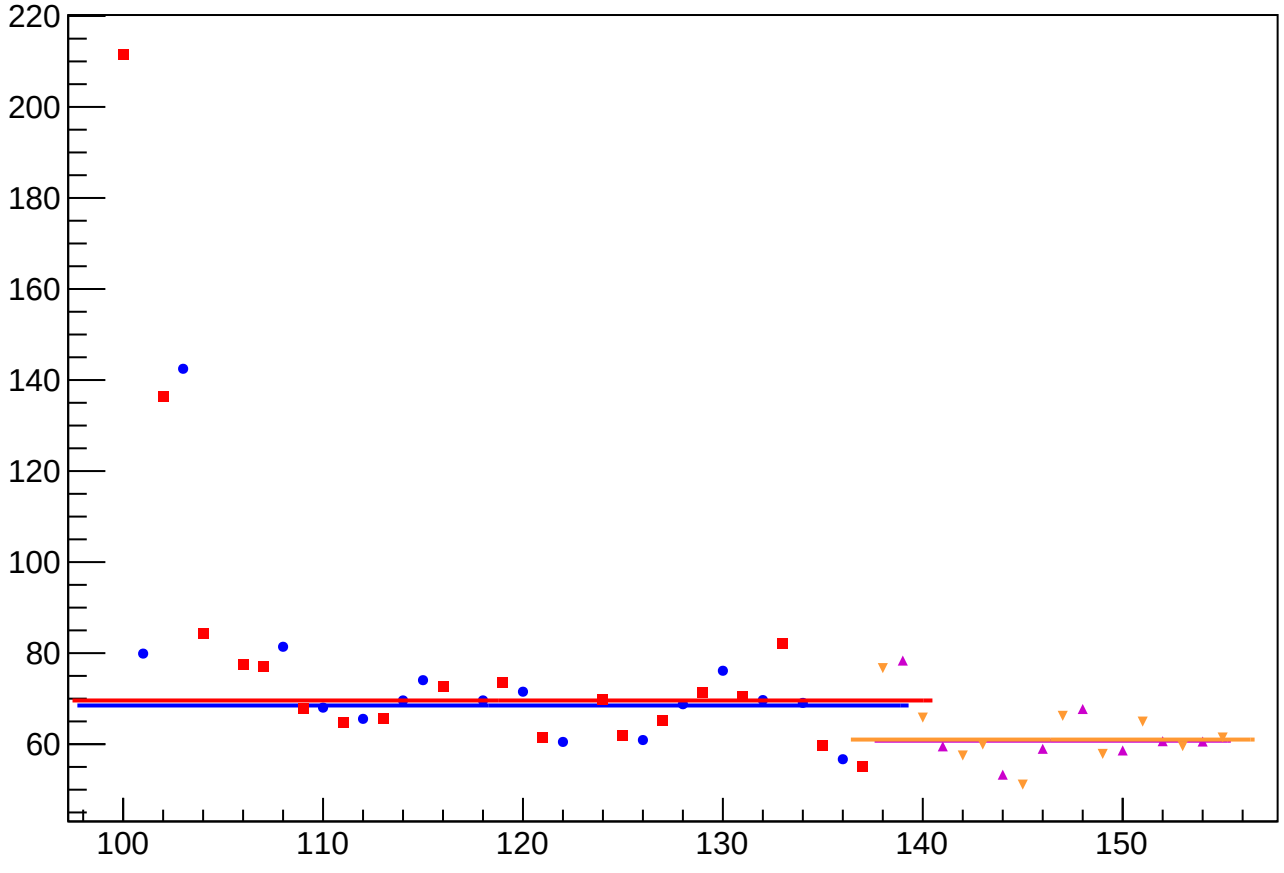
Left In: -79.929+/-23.172 χ^2/NDF:5.5/7

+ sign 33.081+/-16.865 χ^2/NDF: 30.5/25

All: -17.261+/-12.114 χ^2/NDF: 80.4/52

- sign -70.913+/-17.411 χ^2/NDF: 31.5/26

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.011+/-0.016 χ^2/NDF:157430.5/9

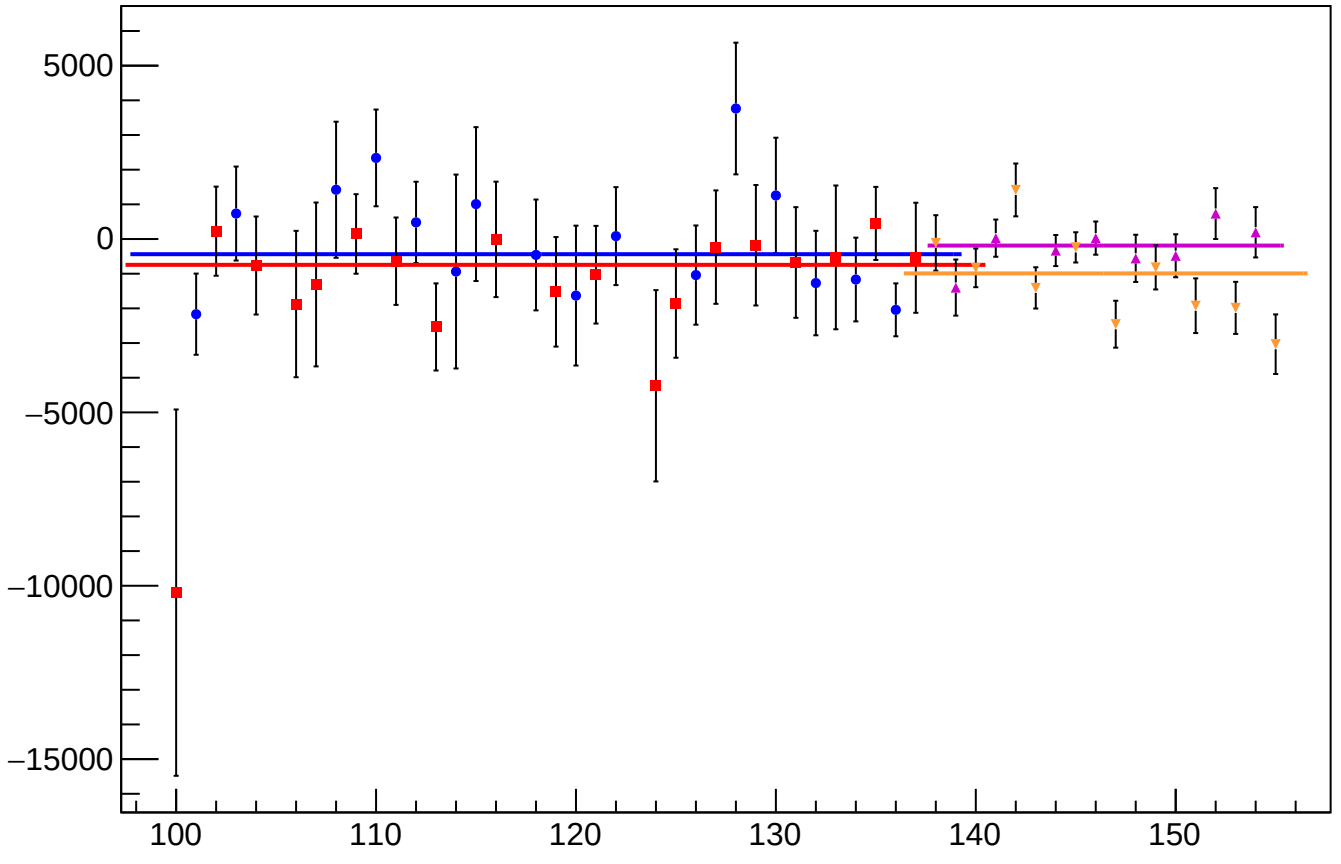
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.759+/-0.016 χ^2/NDF:141731.6/7

\+ sign 64.111+/-0.012 χ^2/NDF: 724924.4/25

All: 64.352+/-0.009 χ^2/NDF: 1514096.2/52

\- sign 64.609+/-0.012 χ^2/NDF: 788326.4/26



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -991.276+/-204.162 χ^2/NDF:28.3/9

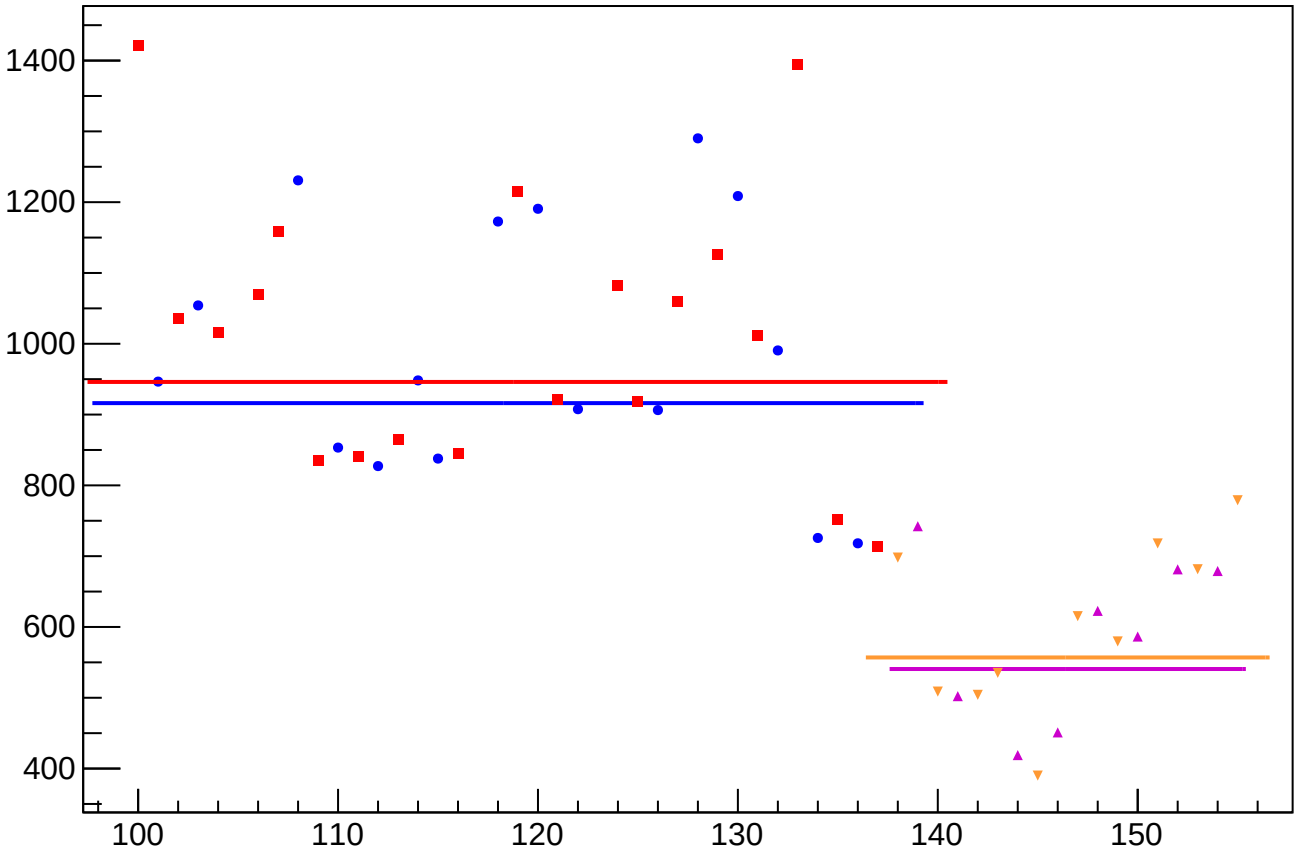
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -188.697+/-209.138 χ^2/NDF:5.1/7

+ sign -849.990+/-176.208 χ^2/NDF: 50.7/25

All: -596.881+/-125.915 χ^2/NDF: 72.7/52

- sign -332.777+/-179.995 χ^2/NDF: 17.8/26



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 556.929+/-0.144 χ^2/NDF:671289.6/9

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

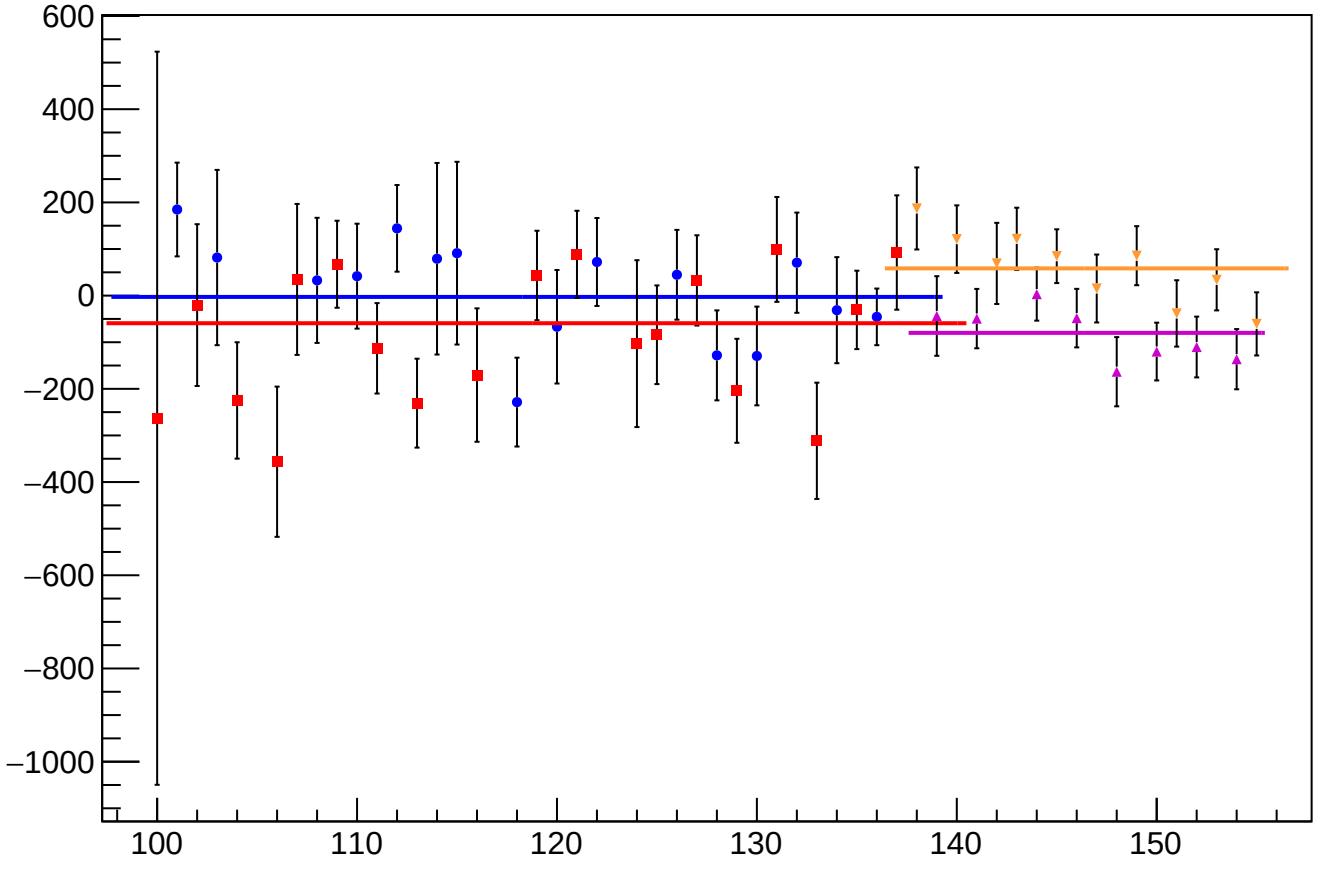
Left In: 540.616+/-0.148 χ^2/NDF:538262.7/7

+ sign 648.570+/-0.125 χ^2/NDF: 2760080.4/25

All: 647.189+/-0.089 χ^2/NDF: 5653245.2/52

- sign 645.748+/-0.127 χ^2/NDF: 2892913.8/26

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 58.405+/-22.030 χ^2/NDF:9.6/9

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

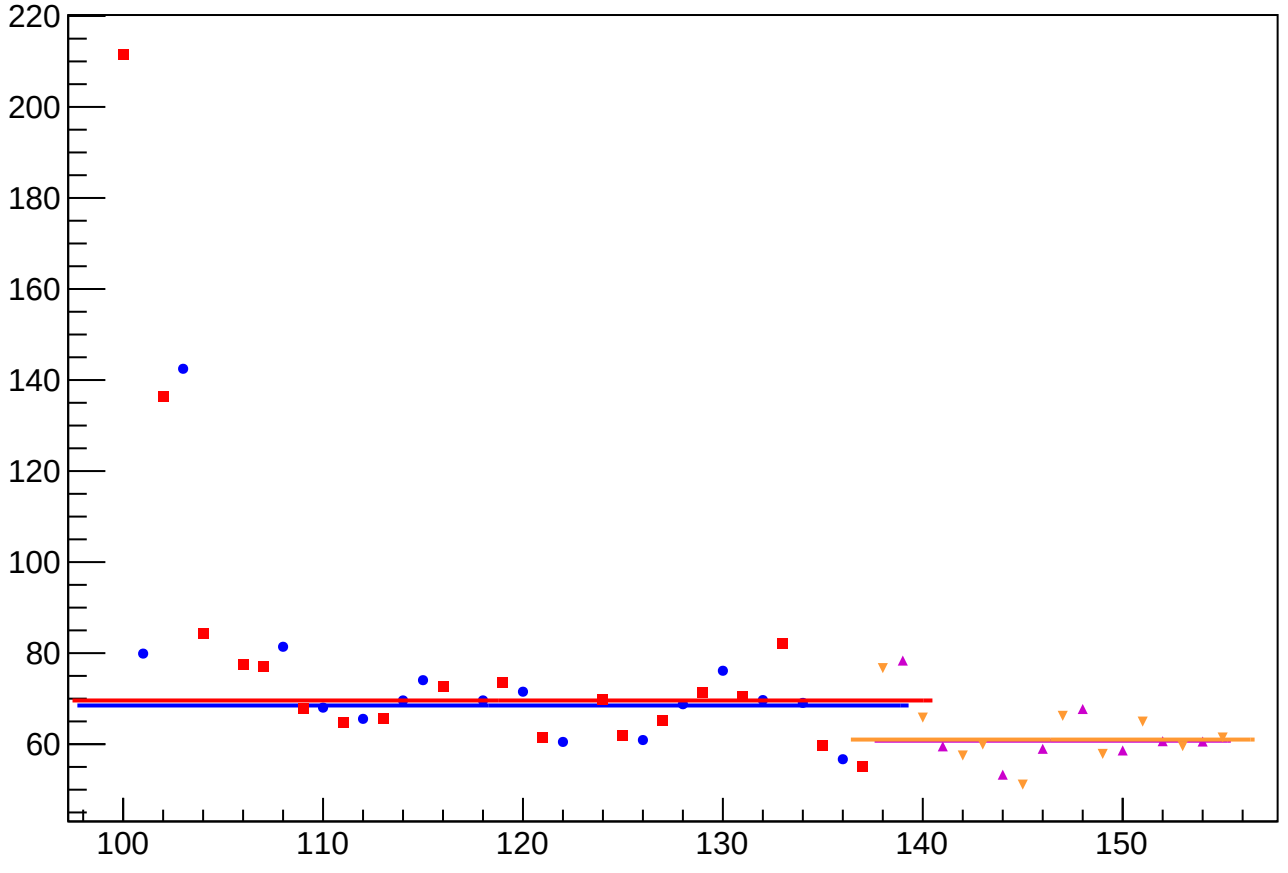
Left In: -79.929+/-23.172 χ^2/NDF:5.5/7

+ sign 33.081+/-16.865 χ^2/NDF: 30.5/25

All: -17.261+/-12.114 χ^2/NDF: 80.4/52

- sign -70.913+/-17.411 χ^2/NDF: 31.5/26

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.011+/-0.016 χ^2/NDF:157430.5/9

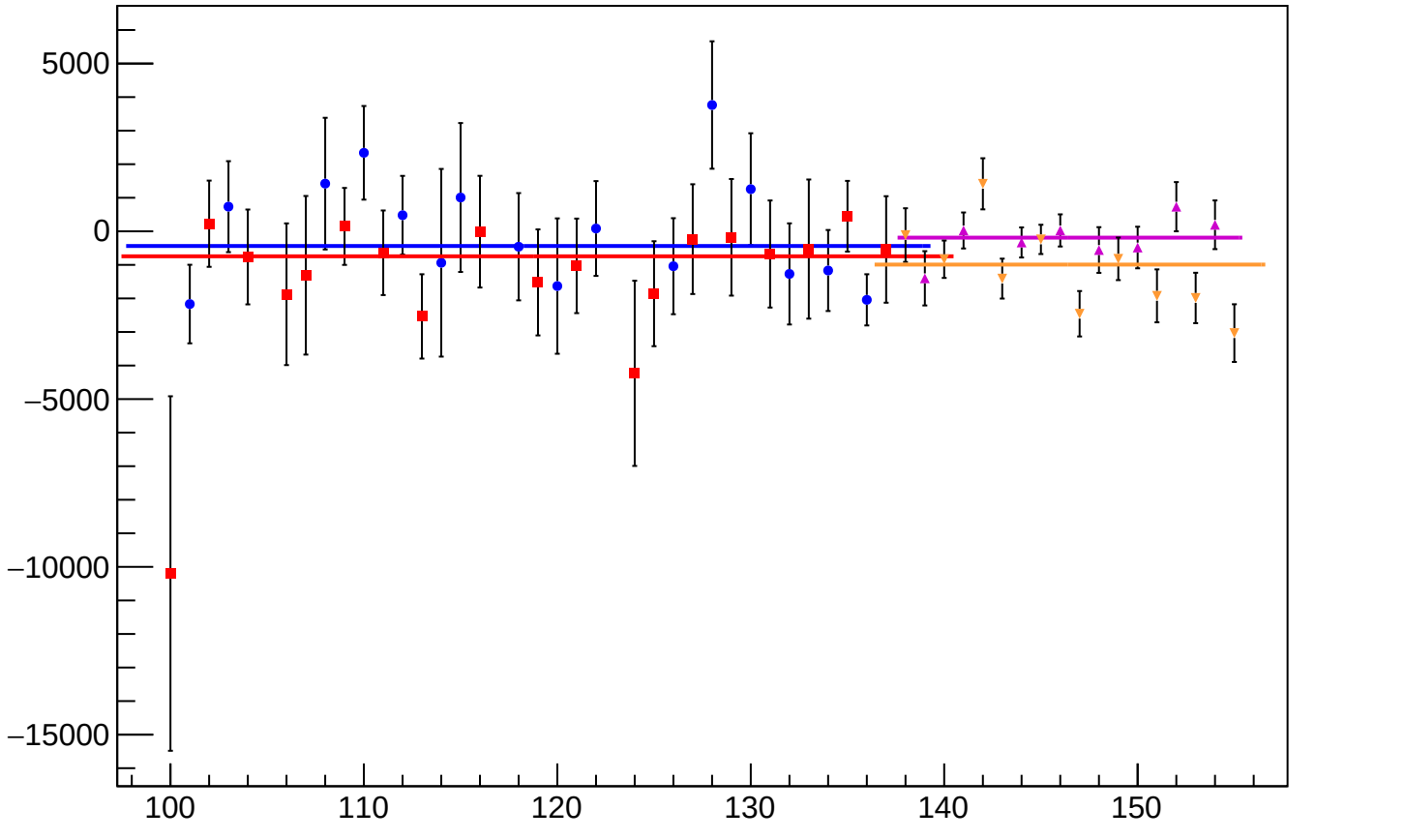
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.759+/-0.016 χ^2/NDF:141731.6/7

+ sign 64.111+/-0.012 χ^2/NDF: 724924.4/25

All: 64.352+/-0.009 χ^2/NDF: 1514096.2/52

- sign 64.609+/-0.012 χ^2/NDF: 788326.4/26



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -991.276+/-204.162 χ^2/NDF:28.3/9

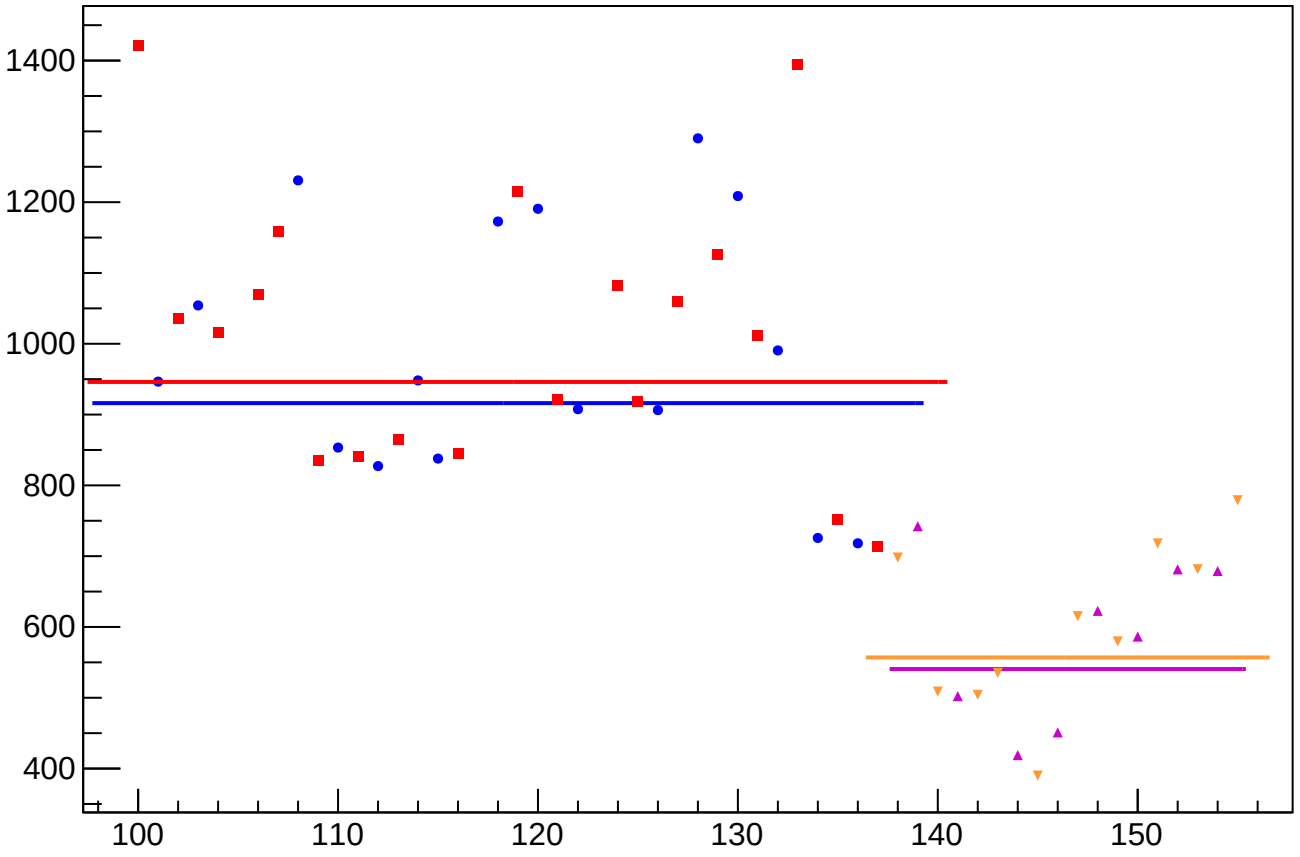
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -188.697+/-209.138 χ^2/NDF:5.1/7

+ sign -849.990+/-176.208 χ^2/NDF: 50.7/25

All: -596.881+/-125.915 χ^2/NDF: 72.7/52

- sign -332.777+/-179.995 χ^2/NDF: 17.8/26



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 556.929+/-0.144 χ^2/NDF:671289.6/9

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

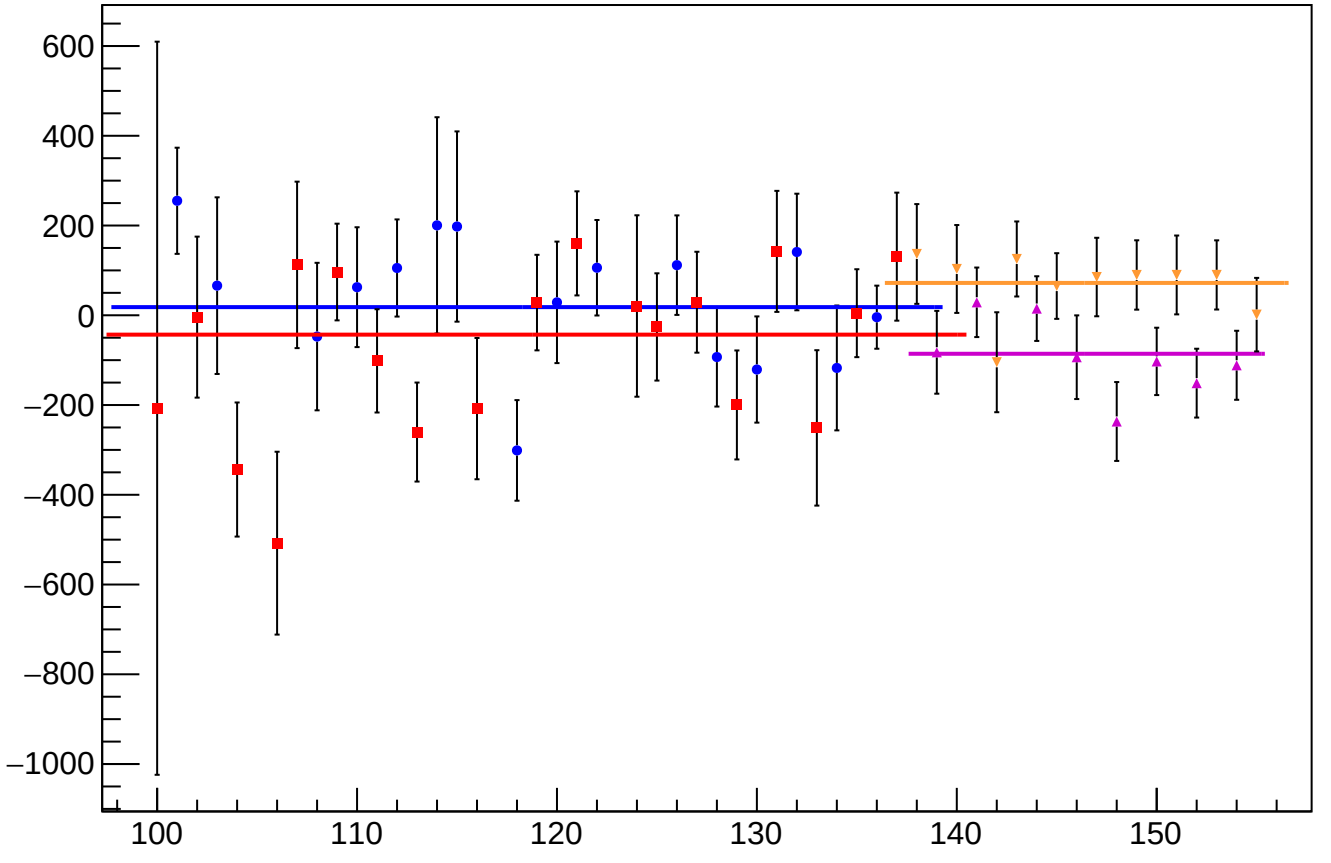
Left In: 540.616+/-0.148 χ^2/NDF:538262.7/7

+ sign 648.570+/-0.125 χ^2/NDF: 2760080.4/25

All: 647.189+/-0.089 χ^2/NDF: 5653245.2/52

- sign 645.748+/-0.127 χ^2/NDF: 2892913.8/26

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 72.103+/-27.310 χ^2/NDF:4.3/9

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

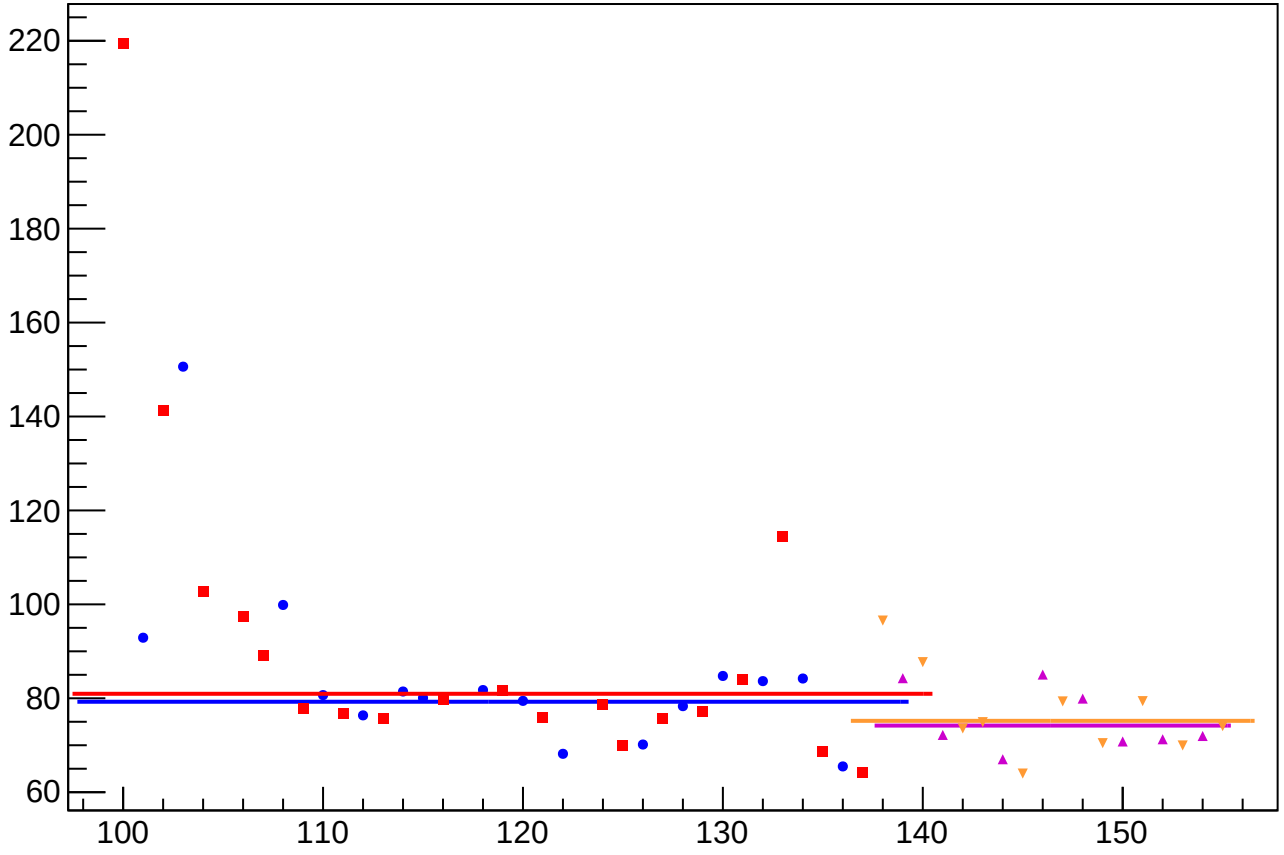
Left In: -85.786+/-28.423 χ^2/NDF:8.0/7

+ sign 47.971+/-20.300 χ^2/NDF: 26.2/25

All: -7.521+/-14.548 χ^2/NDF: 78.3/52

- sign -66.110+/-20.859 χ^2/NDF: 36.8/26

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 75.199+/-0.019 χ^2/NDF:180100.8/9

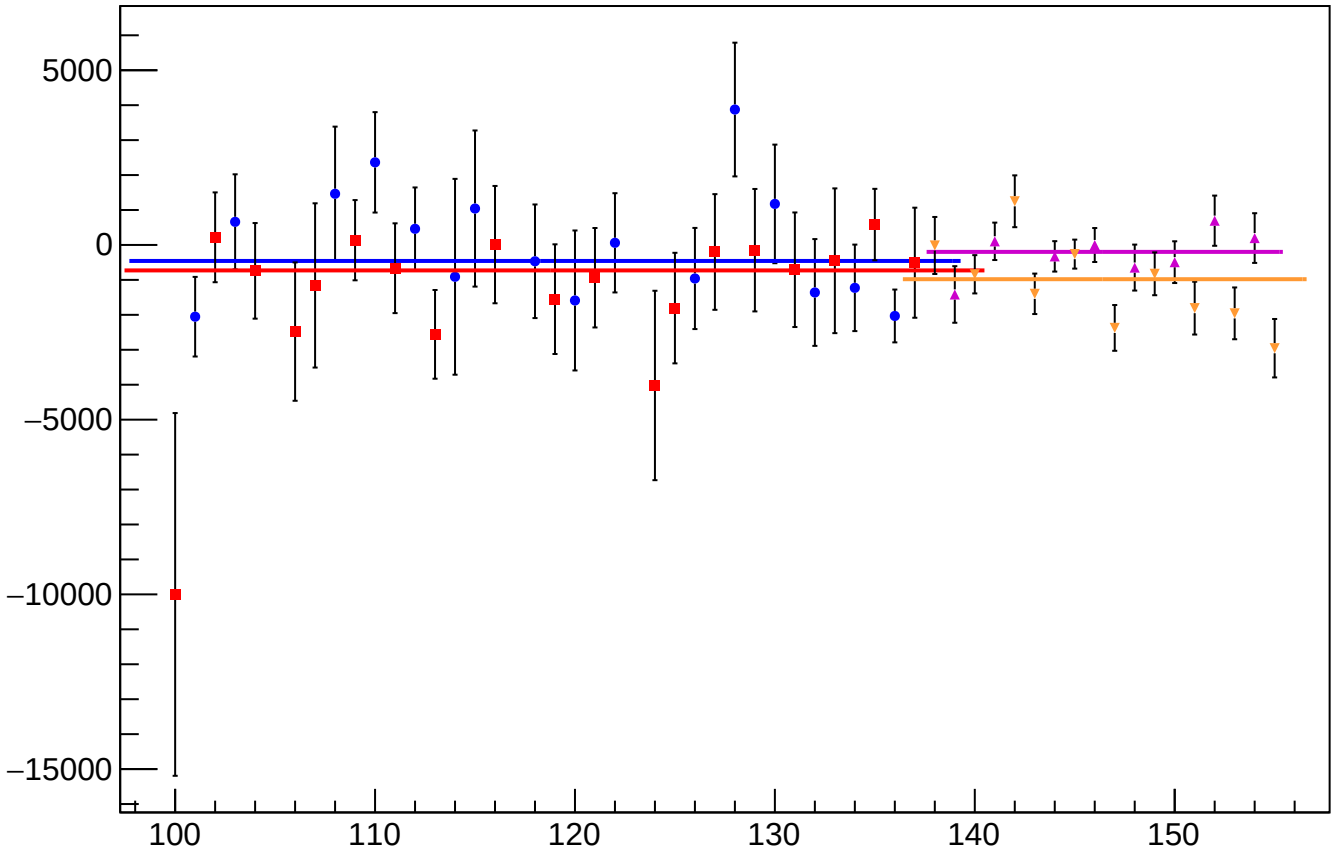
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 74.189+/-0.020 χ^2/NDF:89330.0/7

+ sign 77.017+/-0.014 χ^2/NDF: 644875.5/25

All: 77.161+/-0.010 χ^2/NDF: 1300945.3/52

- sign 77.312+/-0.015 χ^2/NDF: 655864.3/26



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -980.168+/-198.271 χ^2/NDF:27.1/9

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

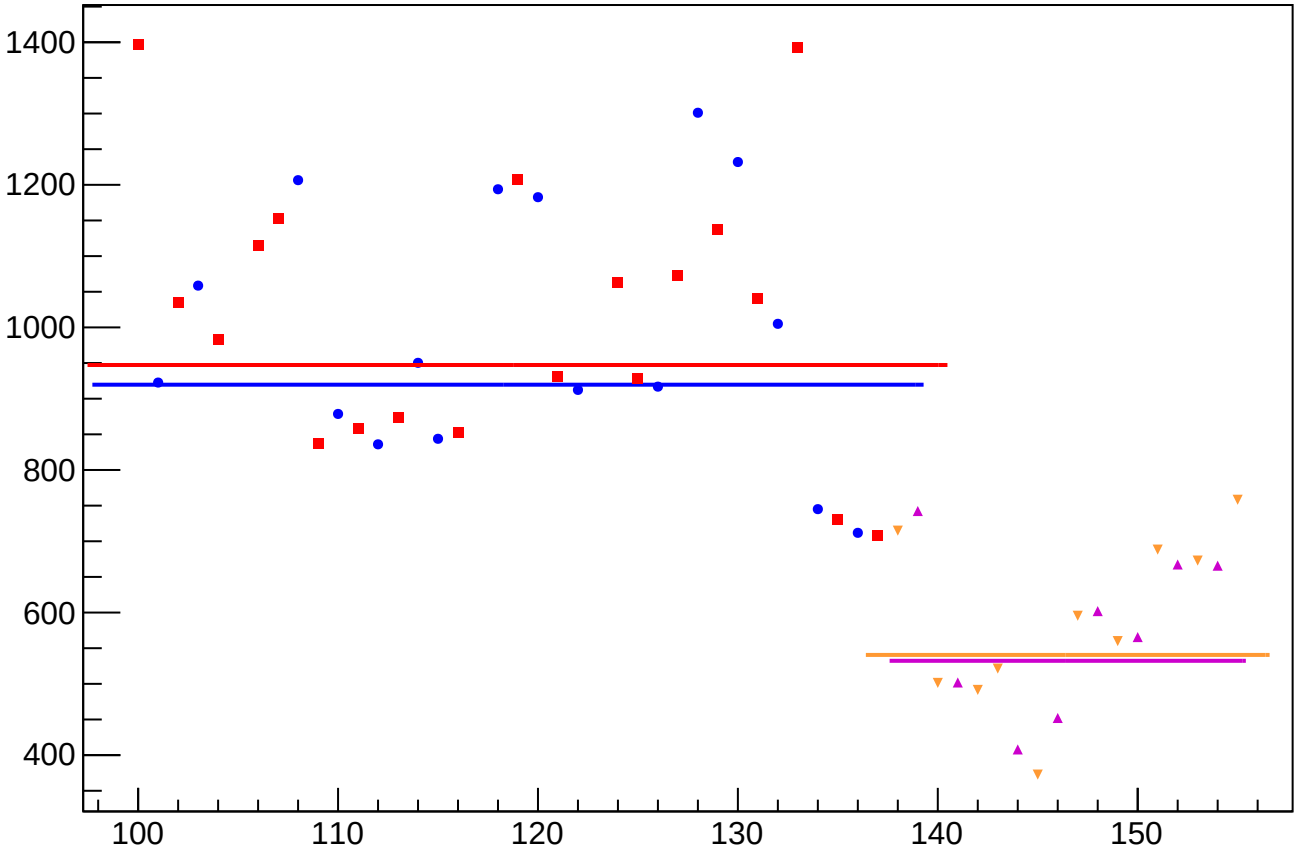
Left In: -198.456+/-206.067 χ^2/NDF:5.4/7

+ sign -853.377+/-172.522 χ^2/NDF: 49.1/25

All: -601.417+/-123.852 χ^2/NDF: 72.1/52

- sign -333.480+/-177.908 χ^2/NDF: 18.6/26

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 540.577+/-0.140 χ^2/NDF:731457.3/9

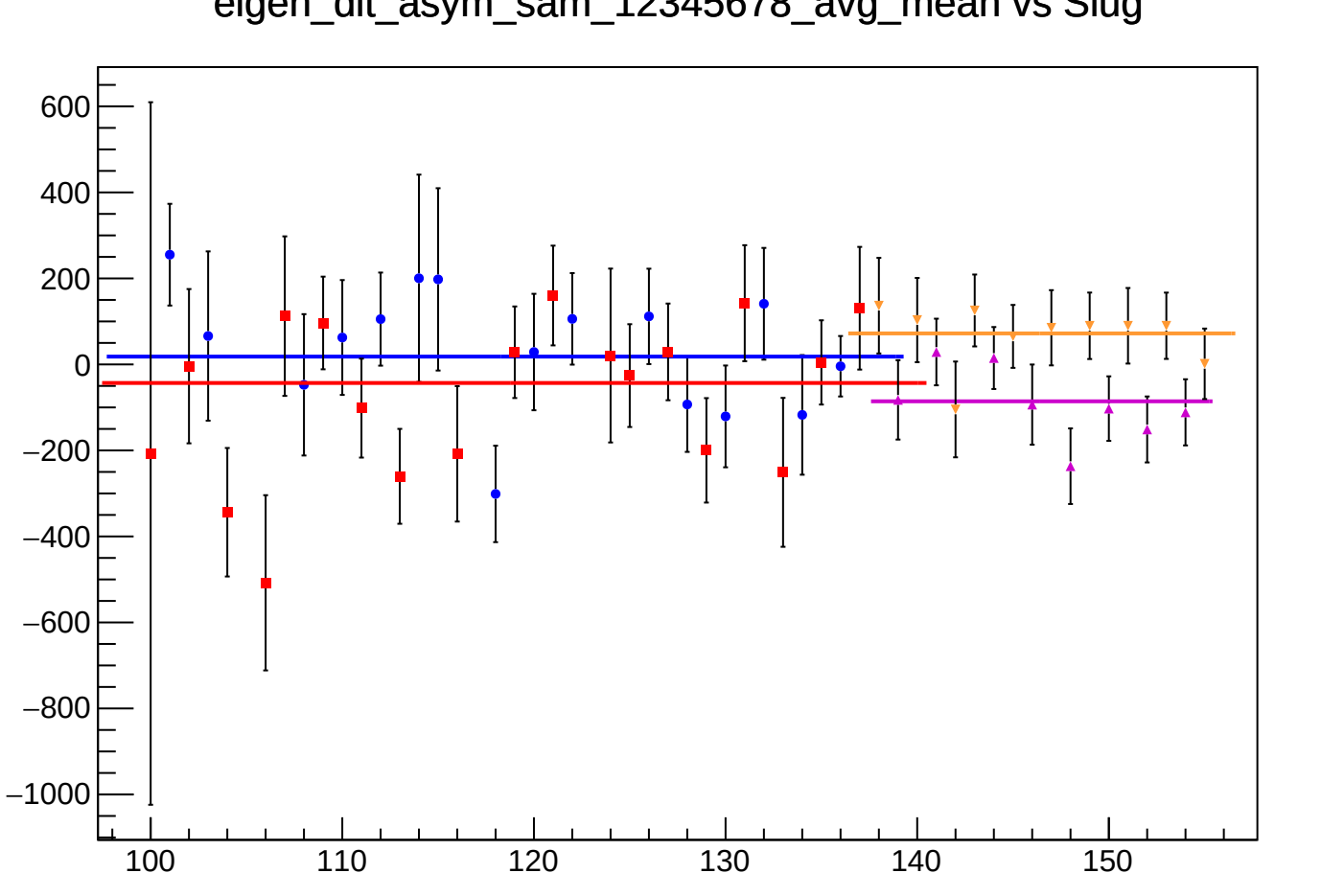
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 532.318+/-0.146 χ^2/NDF:528494.2/7

+ sign 632.638+/-0.122 χ^2/NDF: 3022315.1/25

All: 635.224+/-0.088 χ^2/NDF: 6042244.9/52

- sign 637.973+/-0.126 χ^2/NDF: 3019002.8/26



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 72.104+/-27.310 χ^2/NDF:4.3/9

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

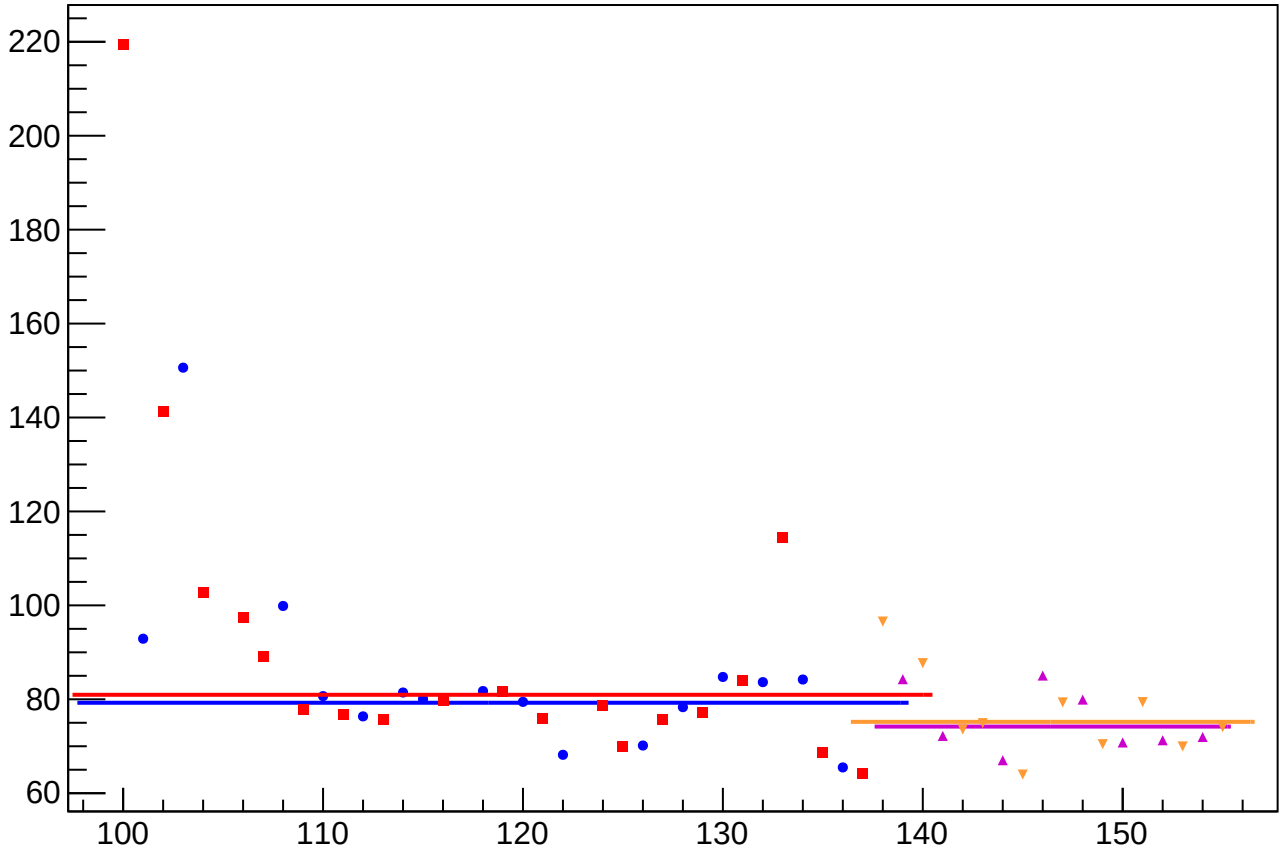
Left In: -85.786+/-28.423 χ^2/NDF:8.0/7

+ sign 47.971+/-20.300 χ^2/NDF: 26.2/25

All: -7.520+/-14.548 χ^2/NDF: 78.3/52

- sign -66.109+/-20.859 χ^2/NDF: 36.8/26

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 75.199+/-0.019 χ^2/NDF:180093.4/9

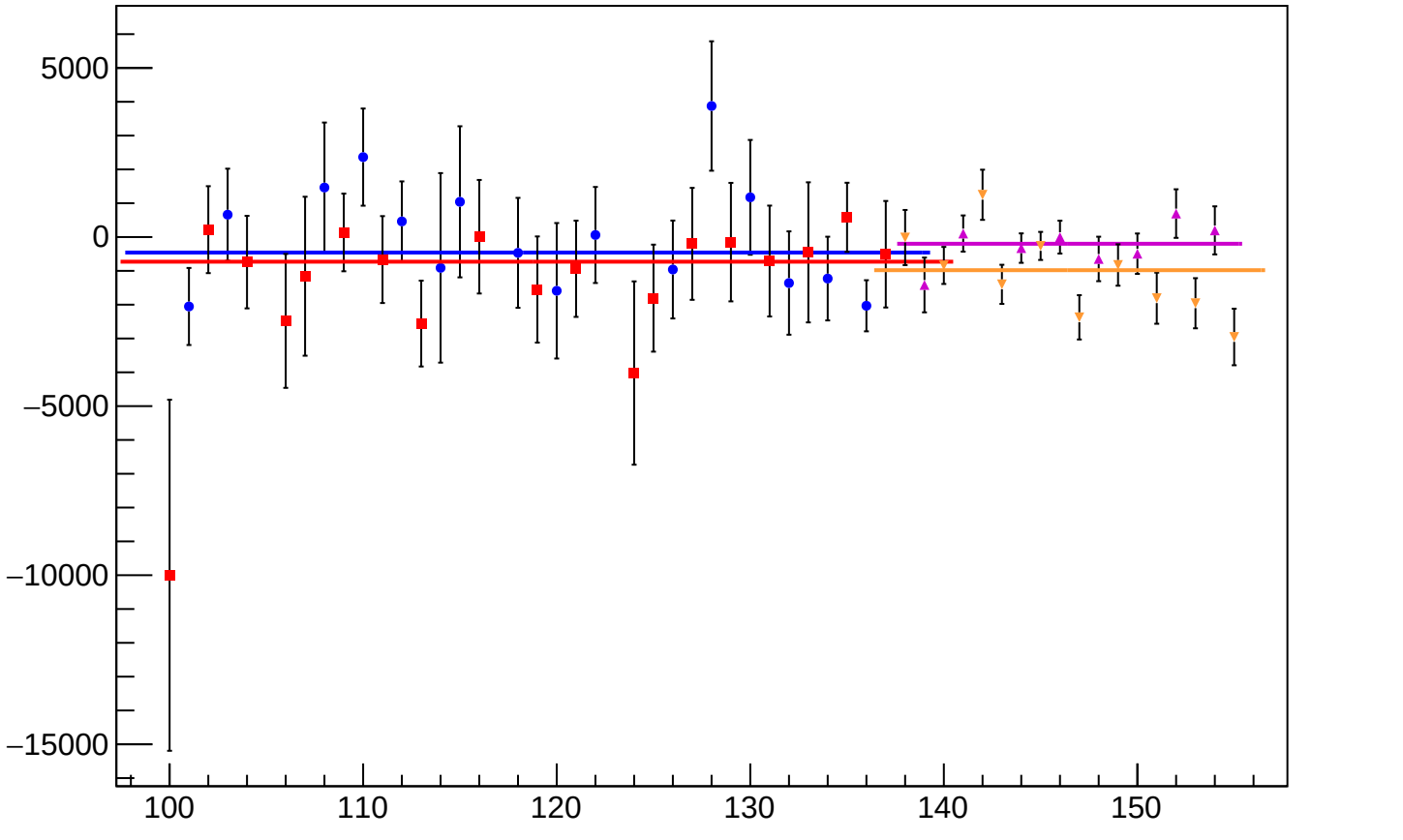
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 74.189+/-0.020 χ^2/NDF:89328.0/7

\+ sign 77.017+/-0.014 χ^2/NDF: 644859.0/25

All: 77.161+/-0.010 χ^2/NDF: 1300926.5/52

\- sign 77.313+/-0.015 χ^2/NDF: 655862.0/26



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -980.167+/-198.271 χ^2/NDF:27.1/9

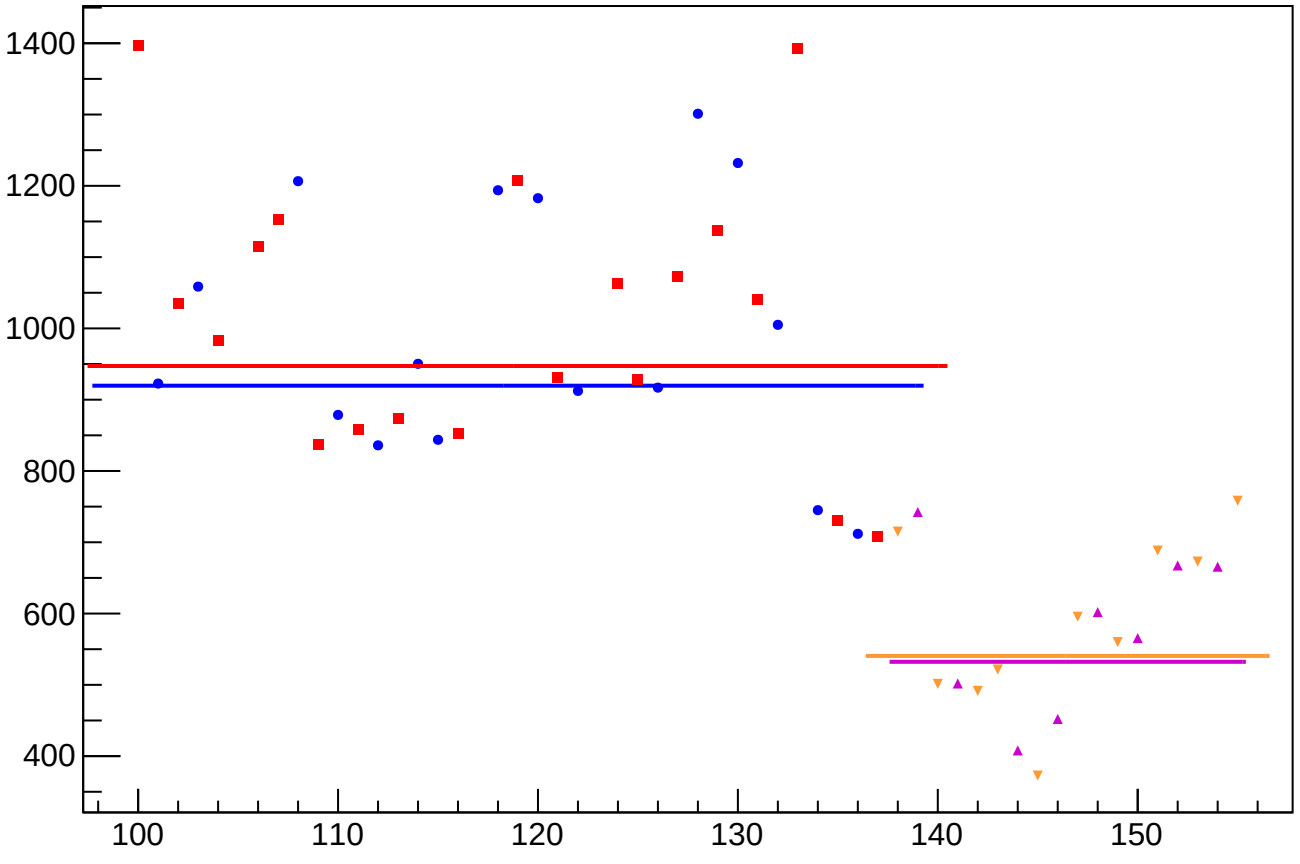
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -198.456+/-206.066 χ^2/NDF:5.4/7

+ sign -853.375+/-172.522 χ^2/NDF: 49.1/25

All: -601.416+/-123.852 χ^2/NDF: 72.1/52

- sign -333.479+/-177.908 χ^2/NDF: 18.6/26



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 540.576+/-0.140 χ^2/NDF:731461.3/9

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

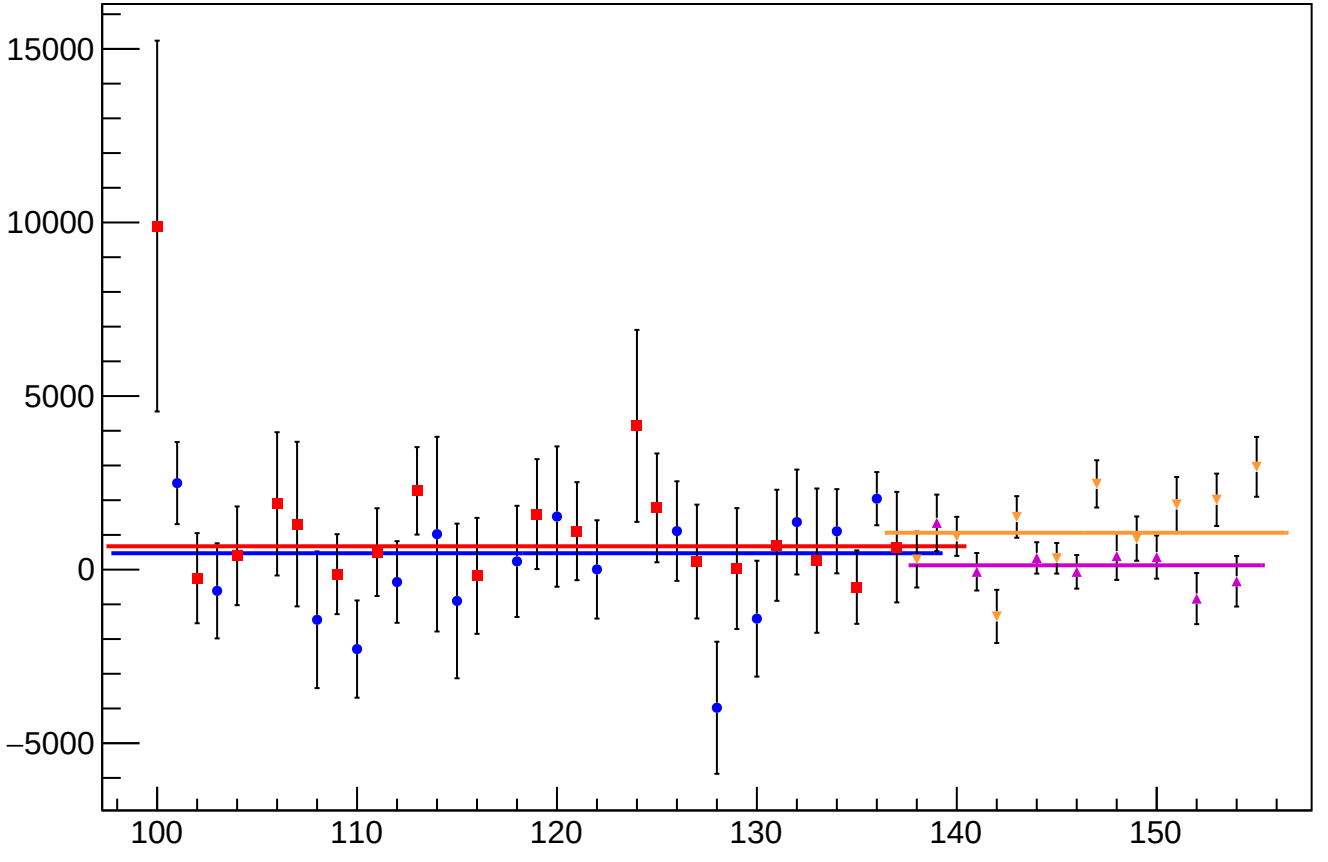
Left In: 532.317+/-0.146 χ^2/NDF:528493.5/7

+ sign 632.637+/-0.122 χ^2/NDF: 3022316.1/25

All: 635.223+/-0.088 χ^2/NDF: 6042238.2/52

- sign 637.973+/-0.126 χ^2/NDF: 3018995.1/26

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1061.973+/-205.507 χ^2/NDF:26.1/9

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

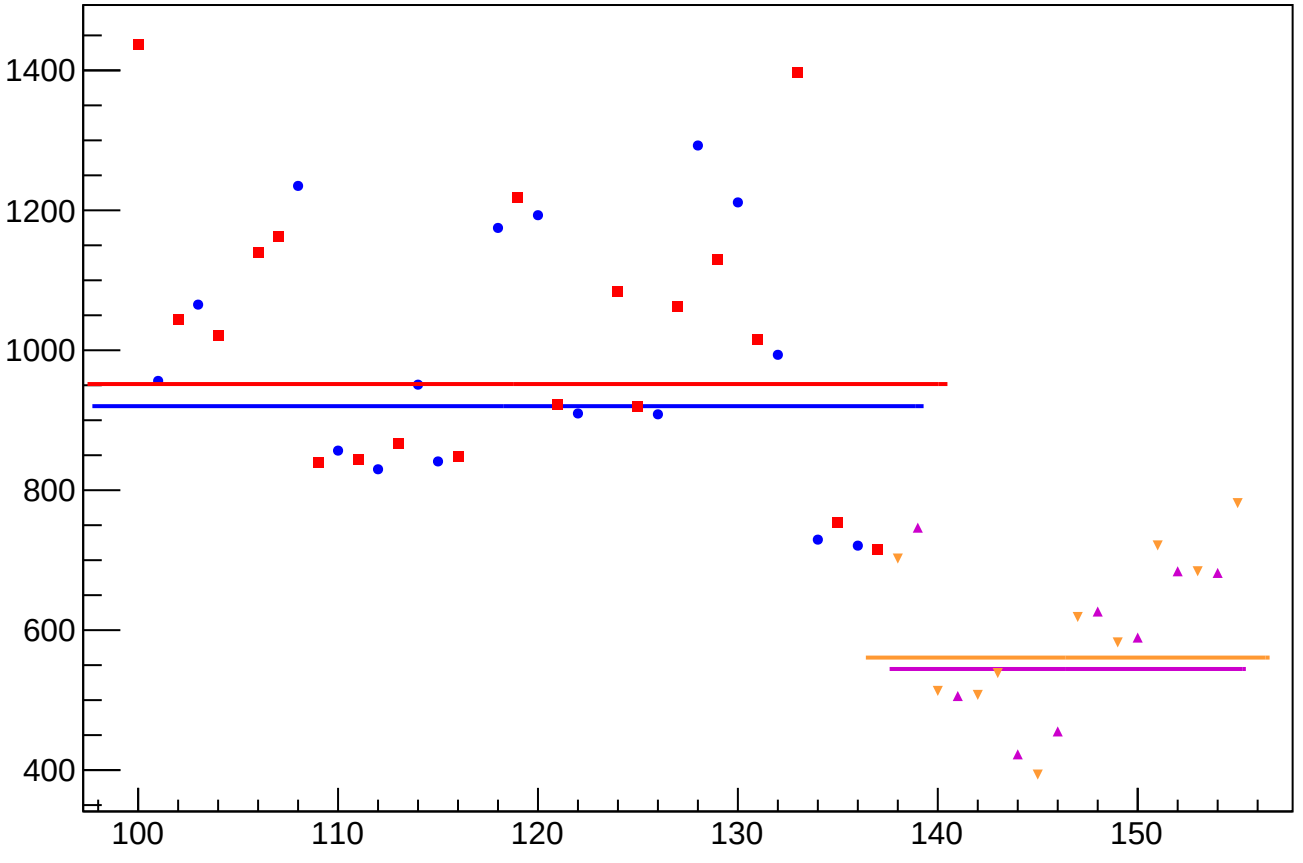
Left In: 124.154+/-210.571 χ^2/NDF:5.1/7

+ sign 910.965+/-177.265 χ^2/NDF: 49.7/25

All: 595.854+/-126.660 χ^2/NDF: 73.3/52

- sign 267.169+/-181.043 χ^2/NDF: 17.2/26

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 560.797+/-0.145 χ^2/NDF:660473.0/9

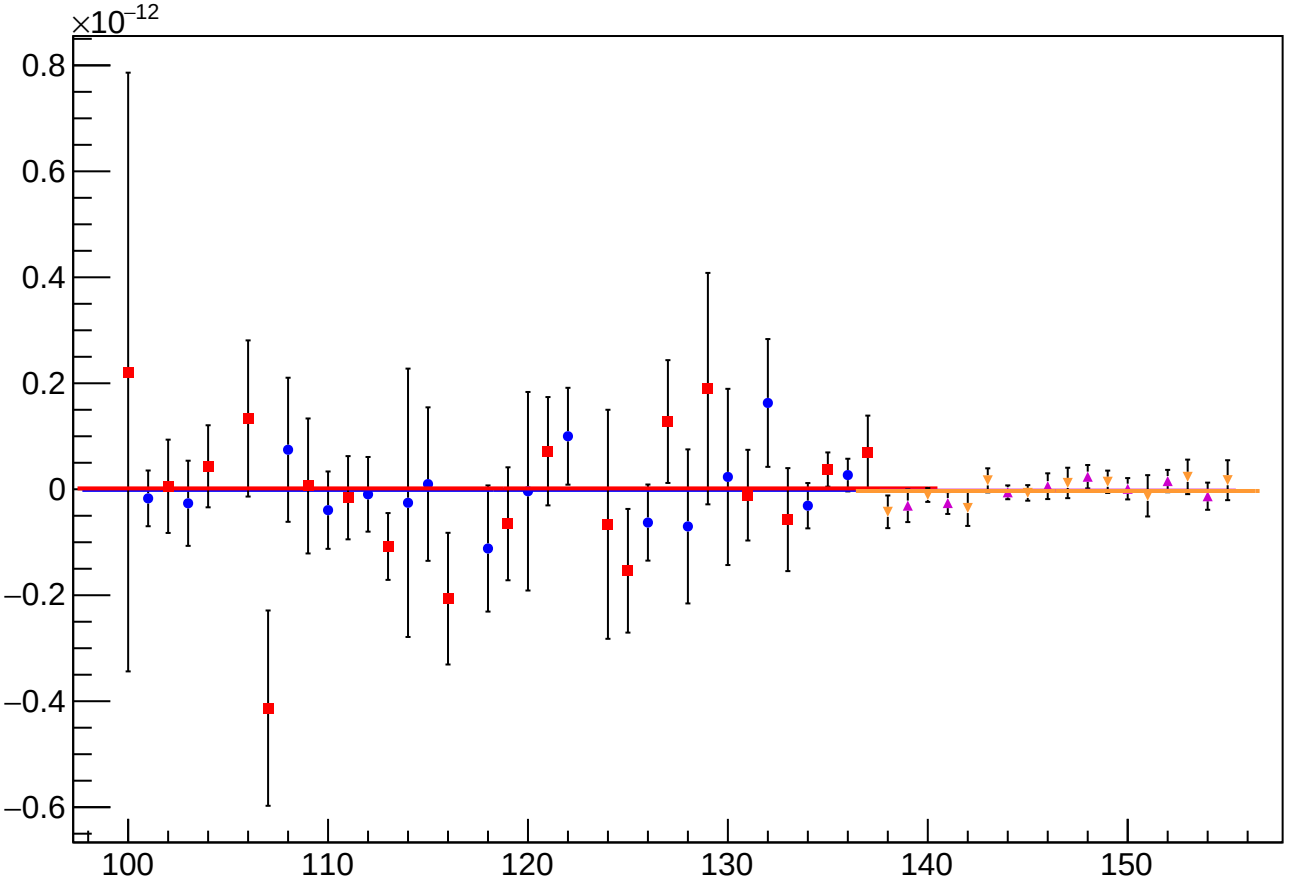
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 544.510+/-0.149 χ^2/NDF:529609.2/7

+ sign 652.772+/-0.125 χ^2/NDF: 2734239.5/25

All: 651.763+/-0.090 χ^2/NDF: 5630768.0/52

- sign 650.710+/-0.128 χ^2/NDF: 2896396.0/26



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/9

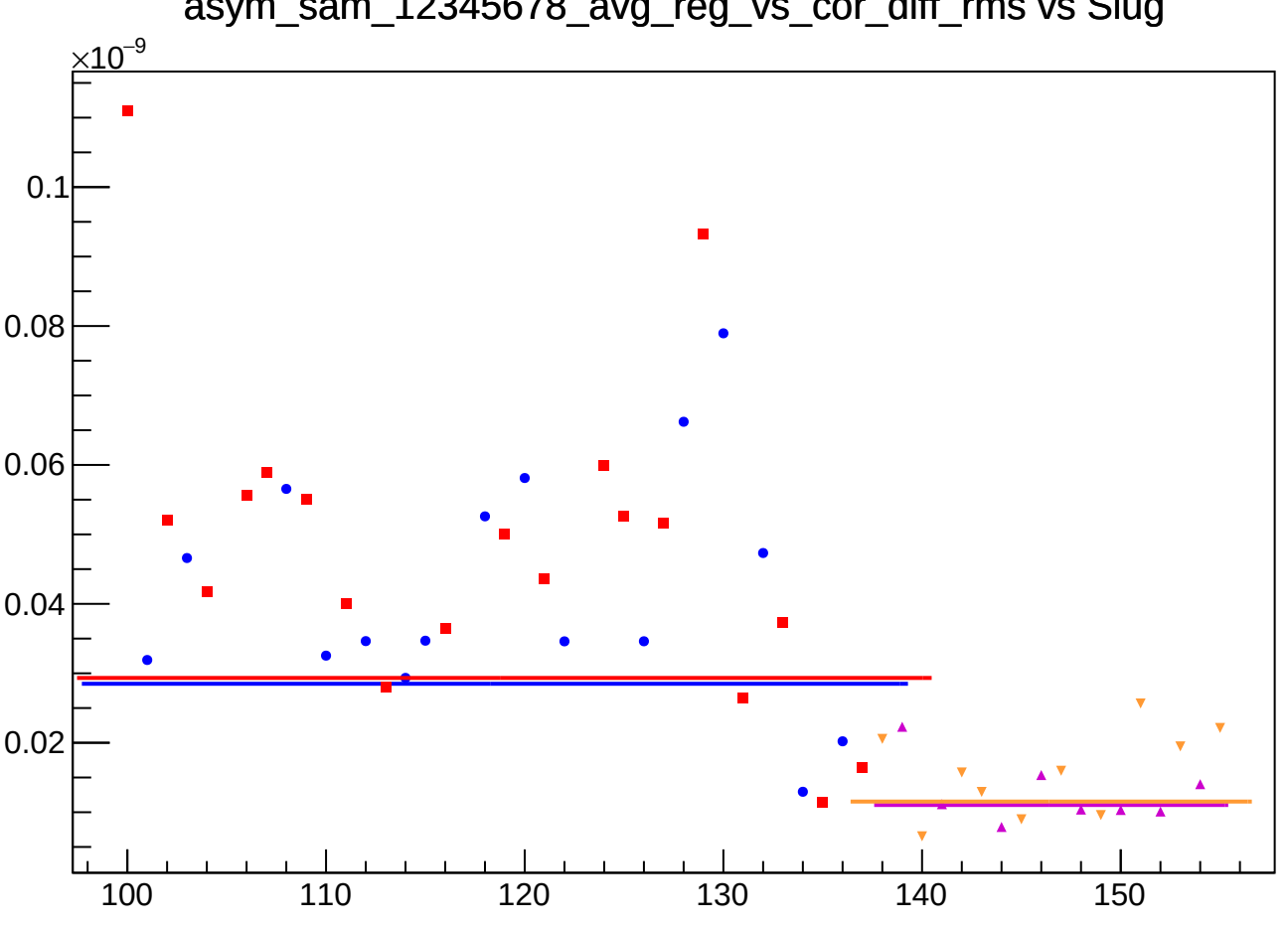
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/7

+ sign -0.000+/-0.000 χ^2/NDF: 12.7/25

All: -0.000+/-0.000 χ^2/NDF: 36.8/52

- sign -0.000+/-0.000 χ^2/NDF: 24.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1166376.4/9

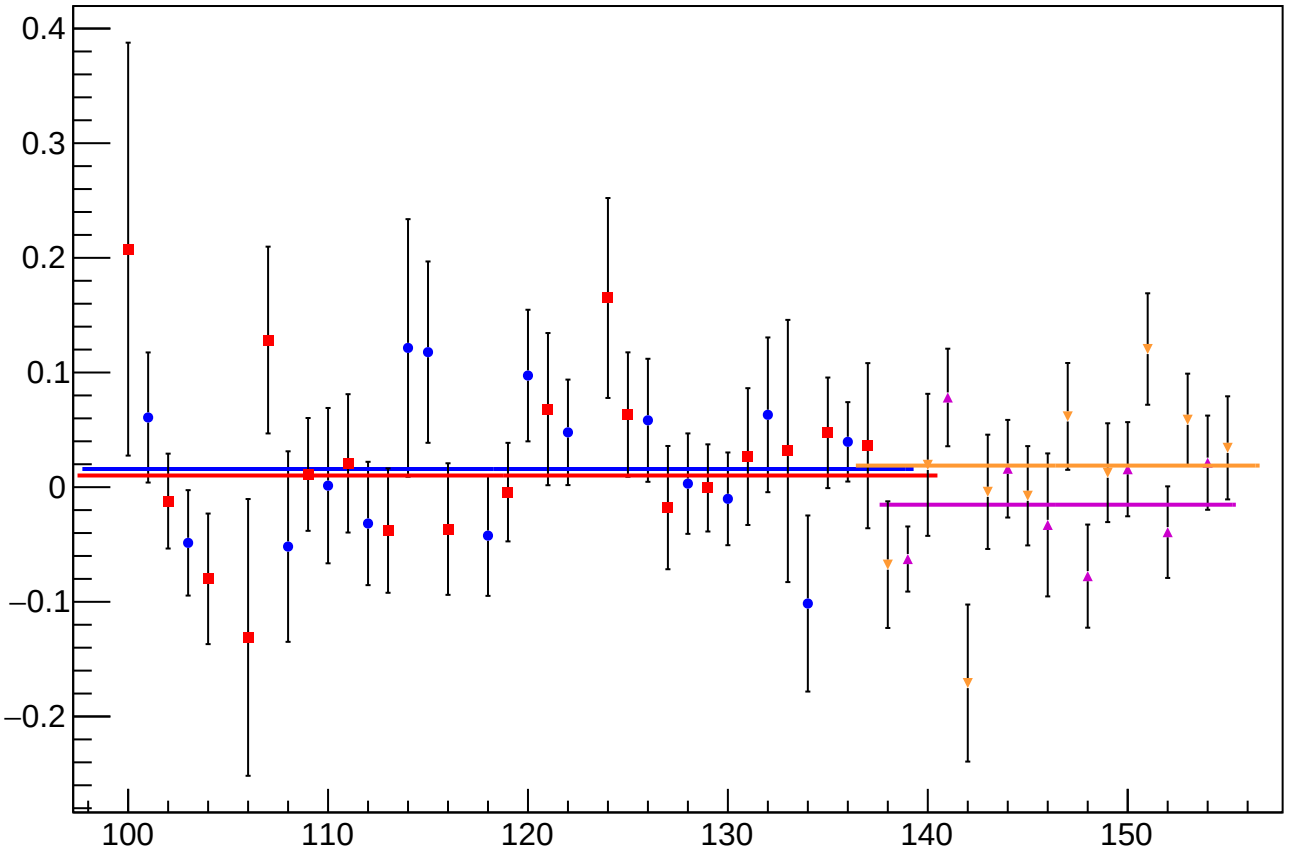
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:478835.2/7

+ sign 0.000+/-0.000 χ^2/NDF: 3901493.9/25

All: 0.000+/-0.000 χ^2/NDF: 7615973.5/52

- sign 0.000+/-0.000 χ^2/NDF: 3707207.5/26



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.019+/-0.015 χ^2/NDF:17.0/9

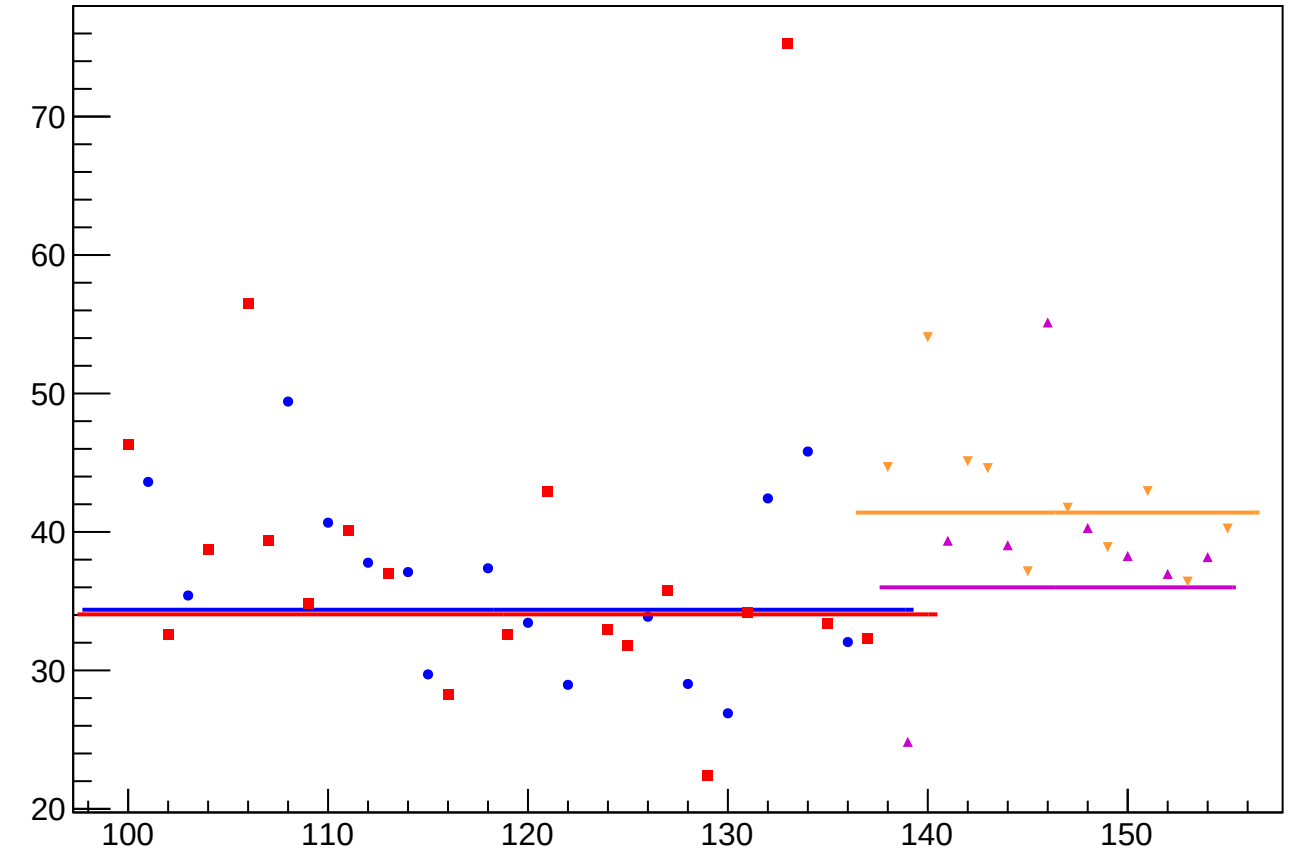
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.015+/-0.014 χ^2/NDF:11.9/7

+ sign 0.017+/-0.010 χ^2/NDF: 31.8/25

All: 0.007+/-0.007 χ^2/NDF: 62.3/52

- sign -0.002+/-0.010 χ^2/NDF: 28.7/26



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 41.400+/-0.011 χ^2/NDF:165038.7/9

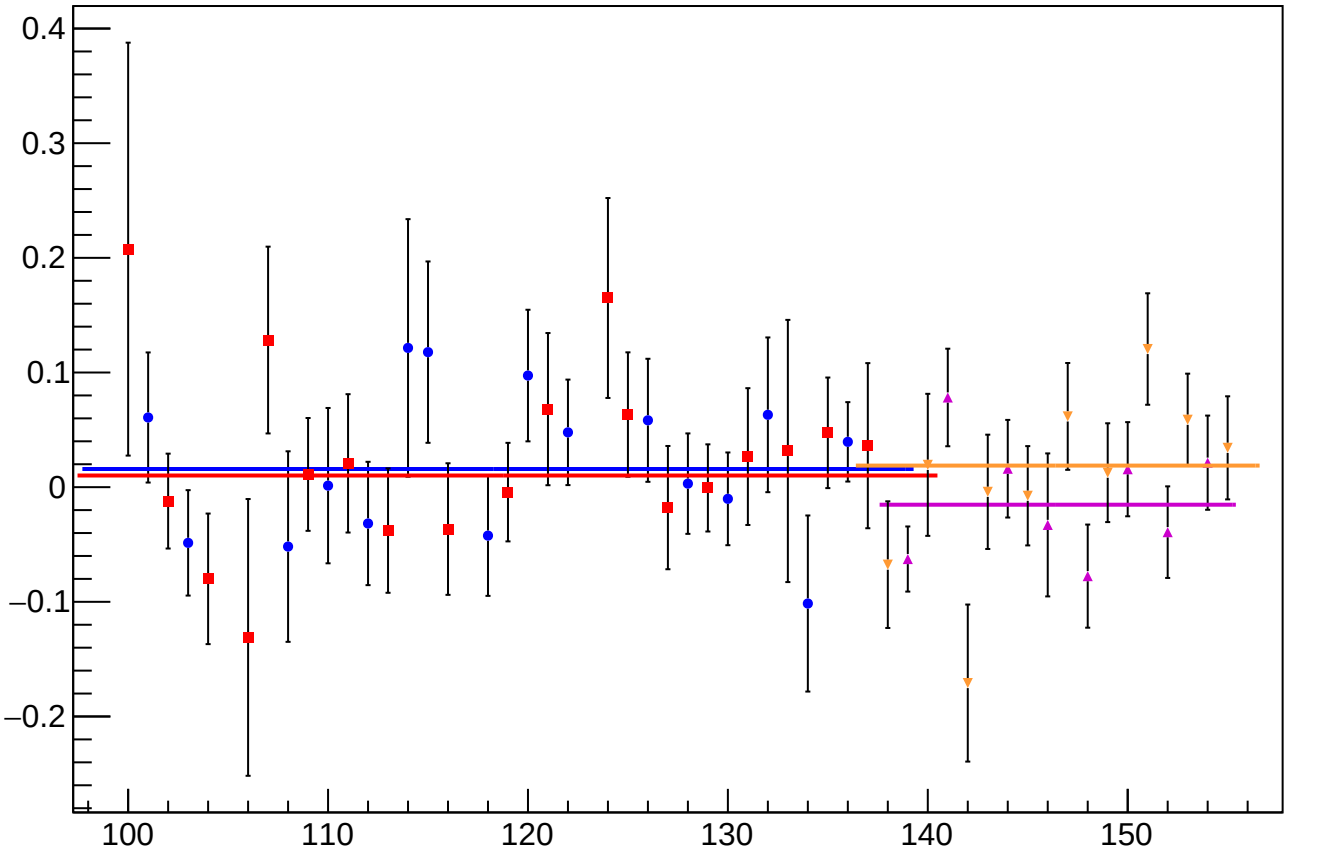
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.998+/-0.010 χ^2/NDF:550878.1/7

+ sign 37.428+/-0.007 χ^2/NDF: 771171.3/25

All: 36.139+/-0.005 χ^2/NDF: 2047804.9/52

- sign 34.947+/-0.007 χ^2/NDF: 1213698.4/26



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.019+/-0.015 χ^2/NDF:17.0/9

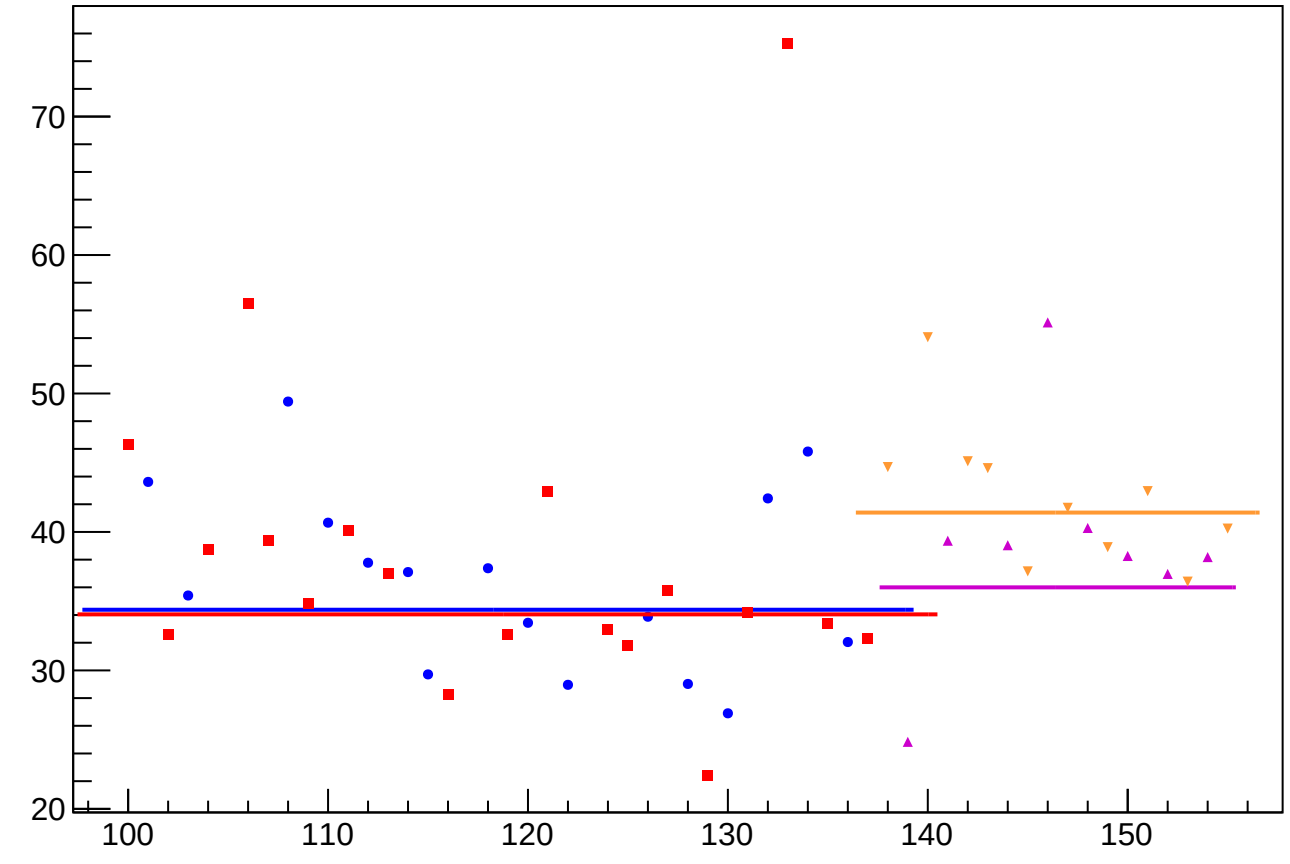
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.015+/-0.014 χ^2/NDF:11.9/7

+ sign 0.017+/-0.010 χ^2/NDF: 31.8/25

All: 0.007+/-0.007 χ^2/NDF: 62.3/52

- sign -0.002+/-0.010 χ^2/NDF: 28.7/26



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 41.400+/-0.011 χ^2/NDF:165038.7/9

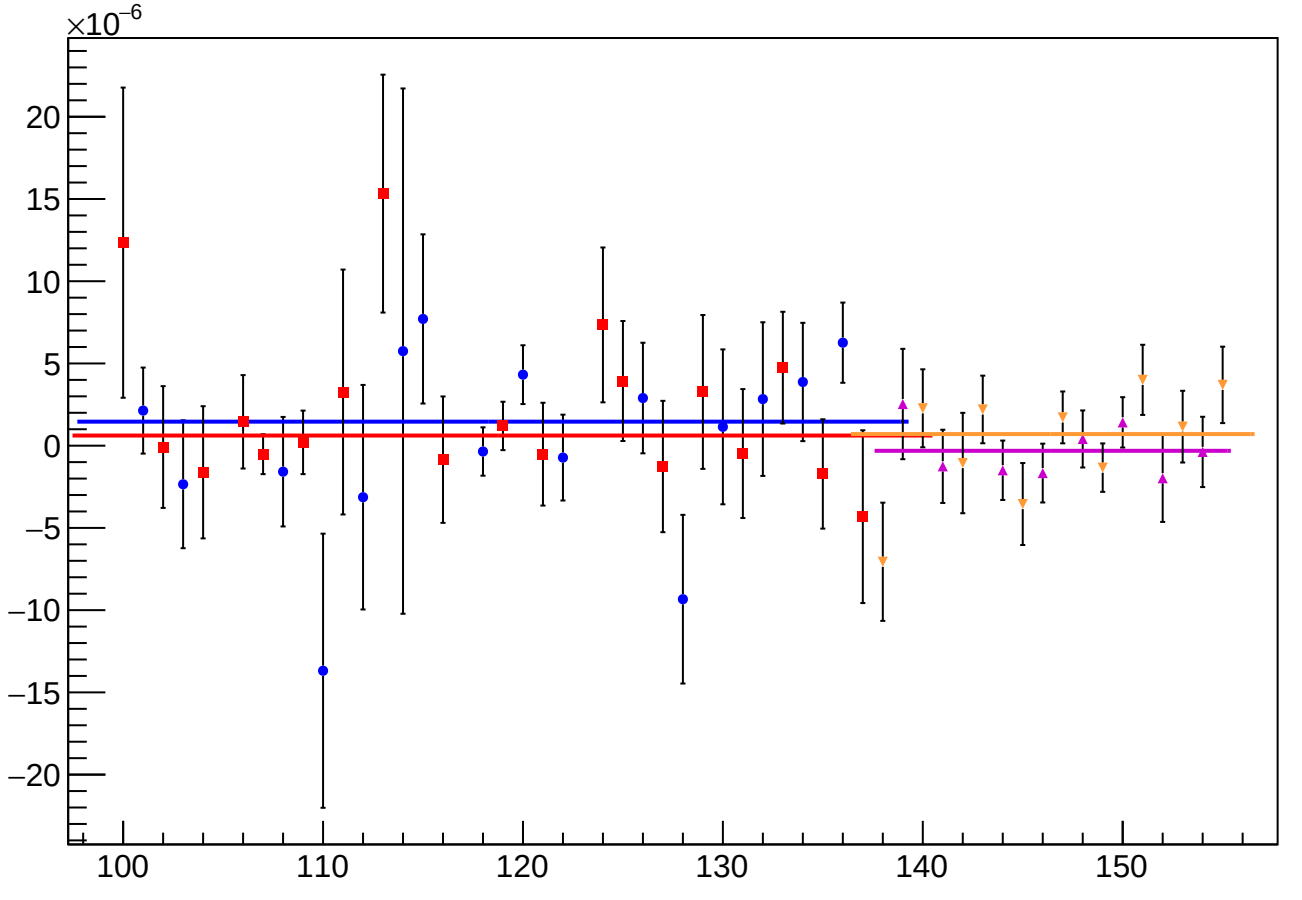
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.998+/-0.010 χ^2/NDF:550878.1/7

+ sign 37.428+/-0.007 χ^2/NDF: 771171.3/25

All: 36.139+/-0.005 χ^2/NDF: 2047804.9/52

- sign 34.947+/-0.007 χ^2/NDF: 1213698.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/9

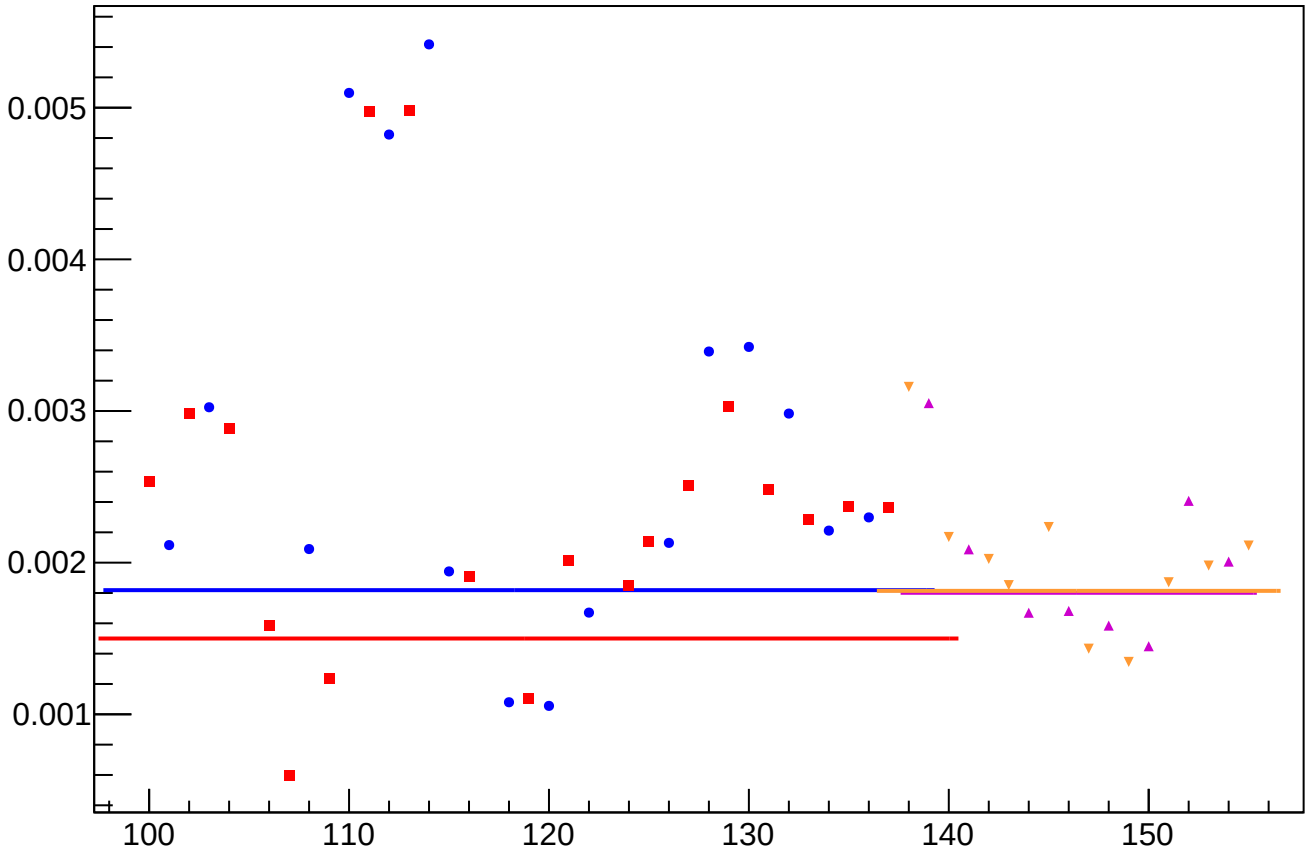
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/7

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/25

All: 0.000+/-0.000 χ^2/NDF: 57.0/52

- sign 0.000+/-0.000 χ^2/NDF: 18.6/26



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:757863.2/9

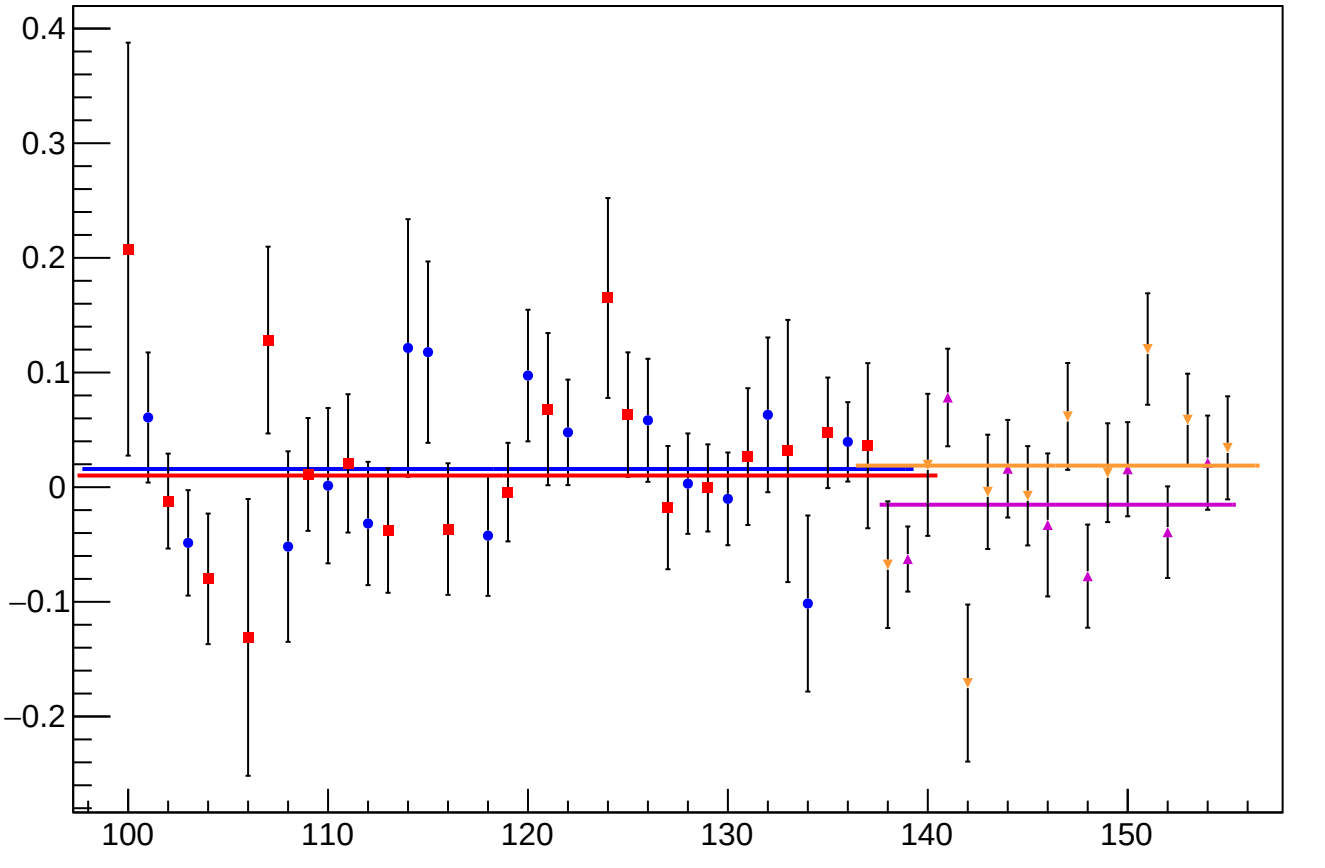
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:590484.4/7

+ sign 0.002+/-0.000 χ^2/NDF: 3328156.4/25

All: 0.002+/-0.000 χ^2/NDF: 7940920.8/52

- sign 0.002+/-0.000 χ^2/NDF: 4479716.3/26



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.019+/-0.015 χ^2/NDF:17.0/9

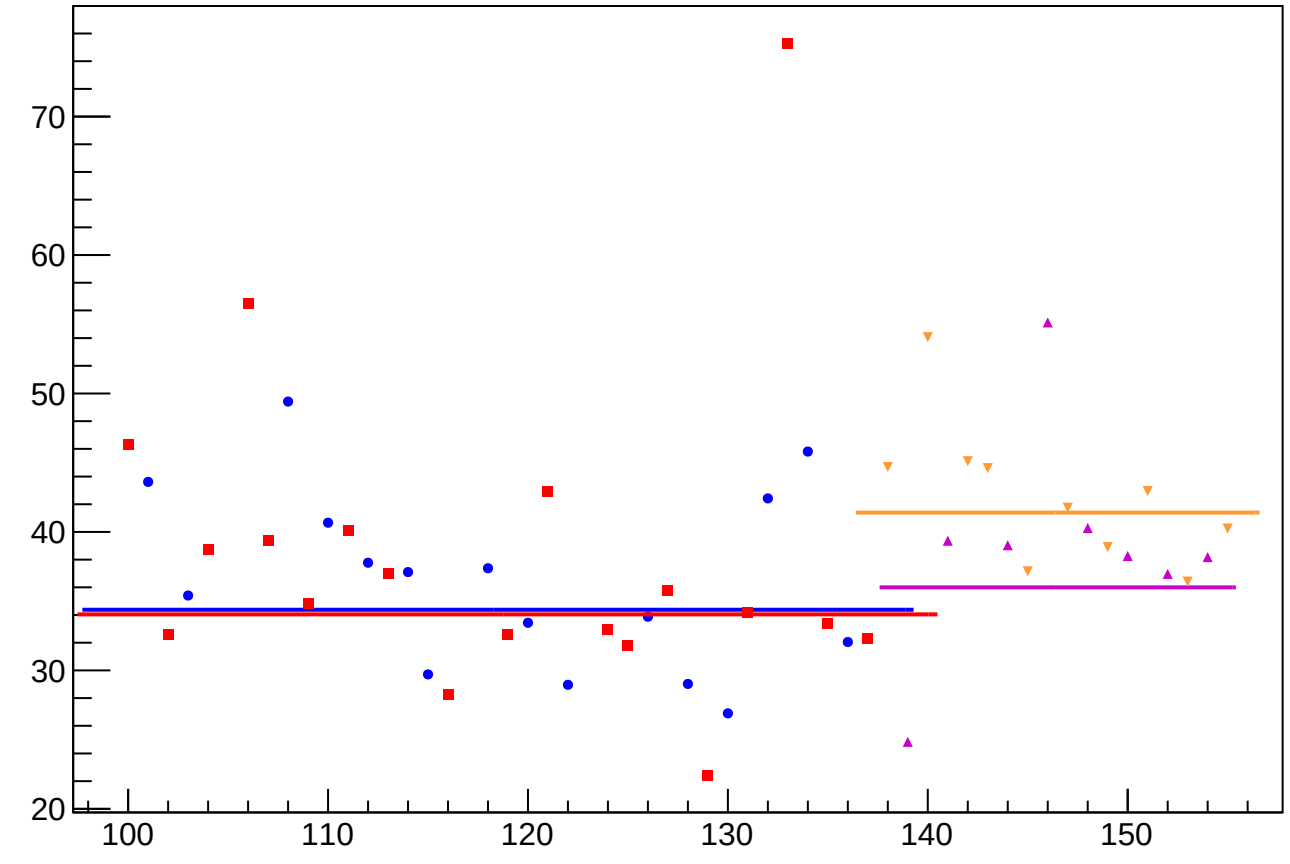
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.015+/-0.014 χ^2/NDF:11.9/7

+ sign 0.017+/-0.010 χ^2/NDF: 31.8/25

All: 0.007+/-0.007 χ^2/NDF: 62.3/52

- sign -0.002+/-0.010 χ^2/NDF: 28.7/26



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 41.401+/-0.011 χ^2/NDF:165027.3/9

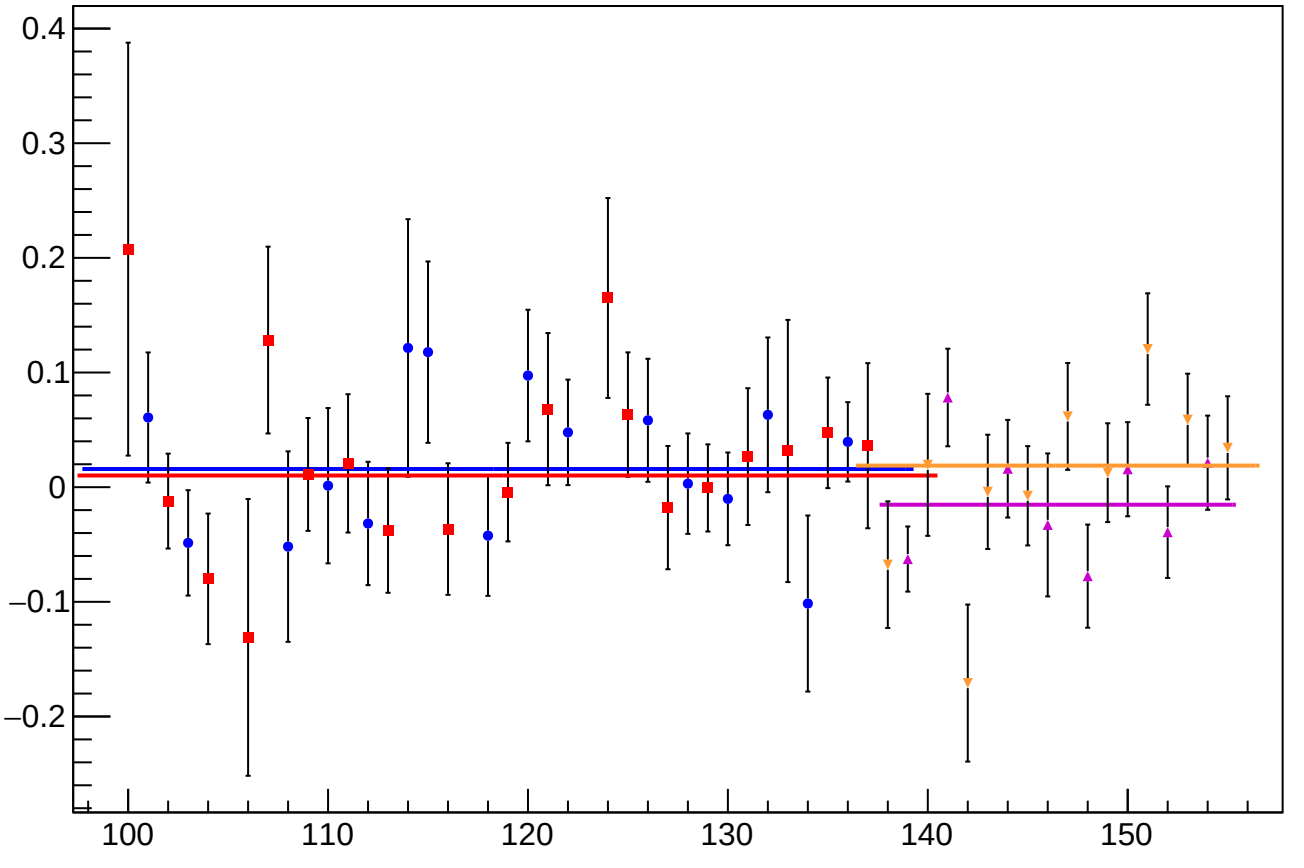
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.999+/-0.010 χ^2/NDF:550893.0/7

+ sign 37.427+/-0.007 χ^2/NDF: 771311.1/25

All: 36.139+/-0.005 χ^2/NDF: 2048015.5/52

- sign 34.947+/-0.007 χ^2/NDF: 1213778.3/26



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.019+/-0.015 χ^2/NDF:17.0/9

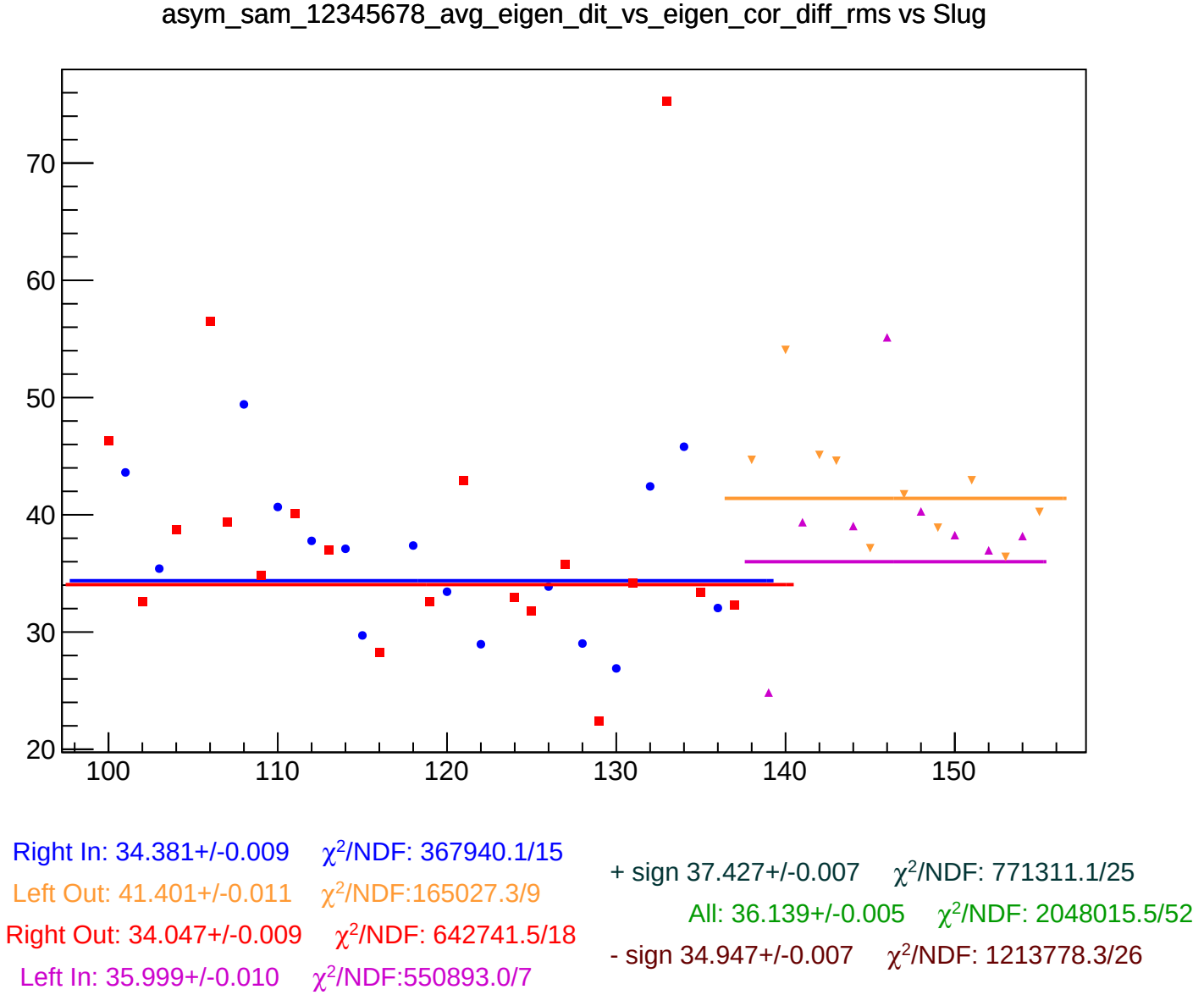
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

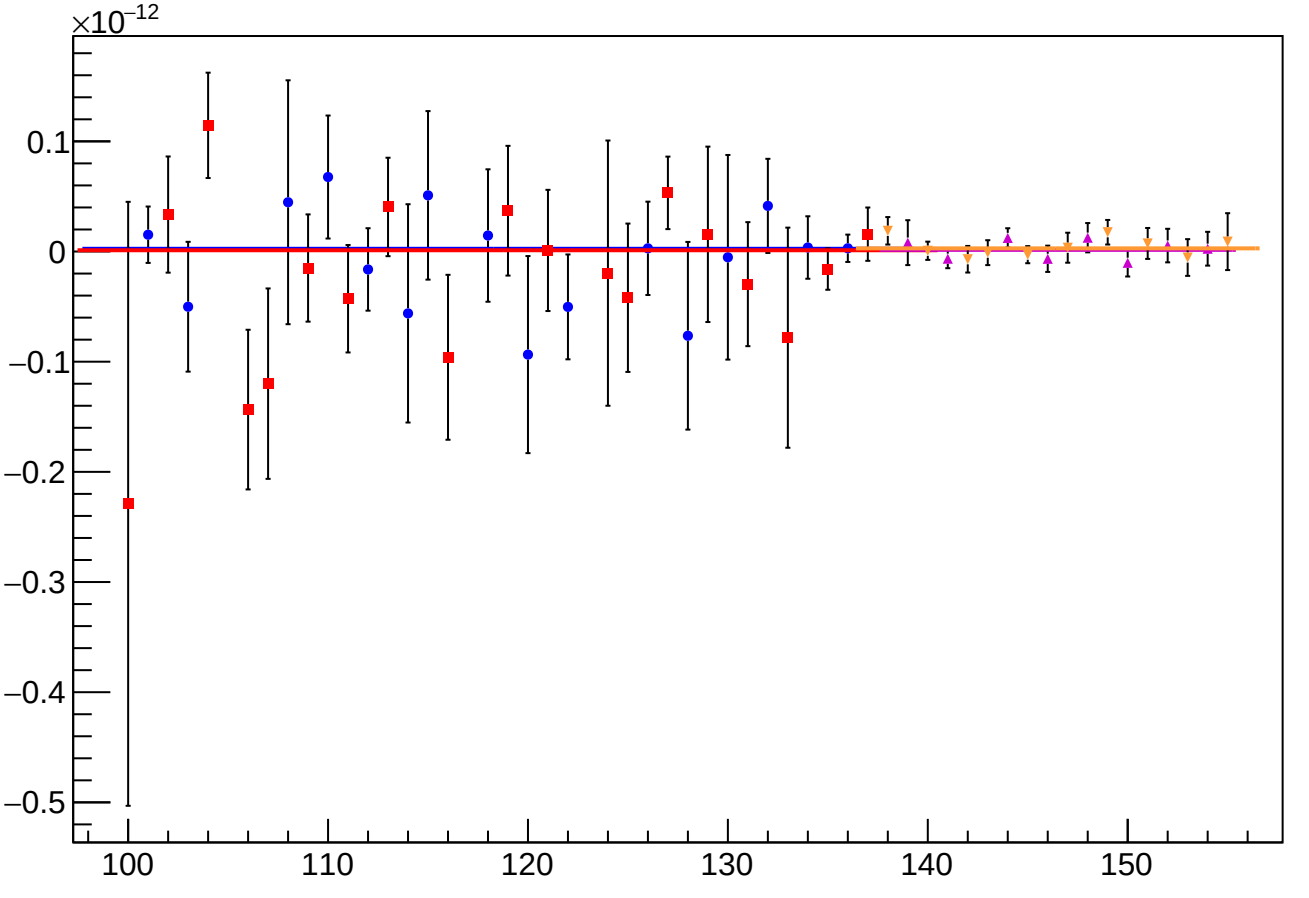
Left In: -0.015+/-0.014 χ^2/NDF:11.9/7

+ sign 0.017+/-0.010 χ^2/NDF: 31.8/25

All: 0.007+/-0.007 χ^2/NDF: 62.3/52

- sign -0.002+/-0.010 χ^2/NDF: 28.7/26


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 41.401+/-0.011 χ²/NDF:165027.3/9
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 35.999+/-0.010 χ²/NDF:550893.0/7
+ sign 37.427+/-0.007 χ²/NDF: 771311.1/25
All: 36.139+/-0.005 χ²/NDF: 2048015.5/52
- sign 34.947+/-0.007 χ²/NDF: 1213778.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/9

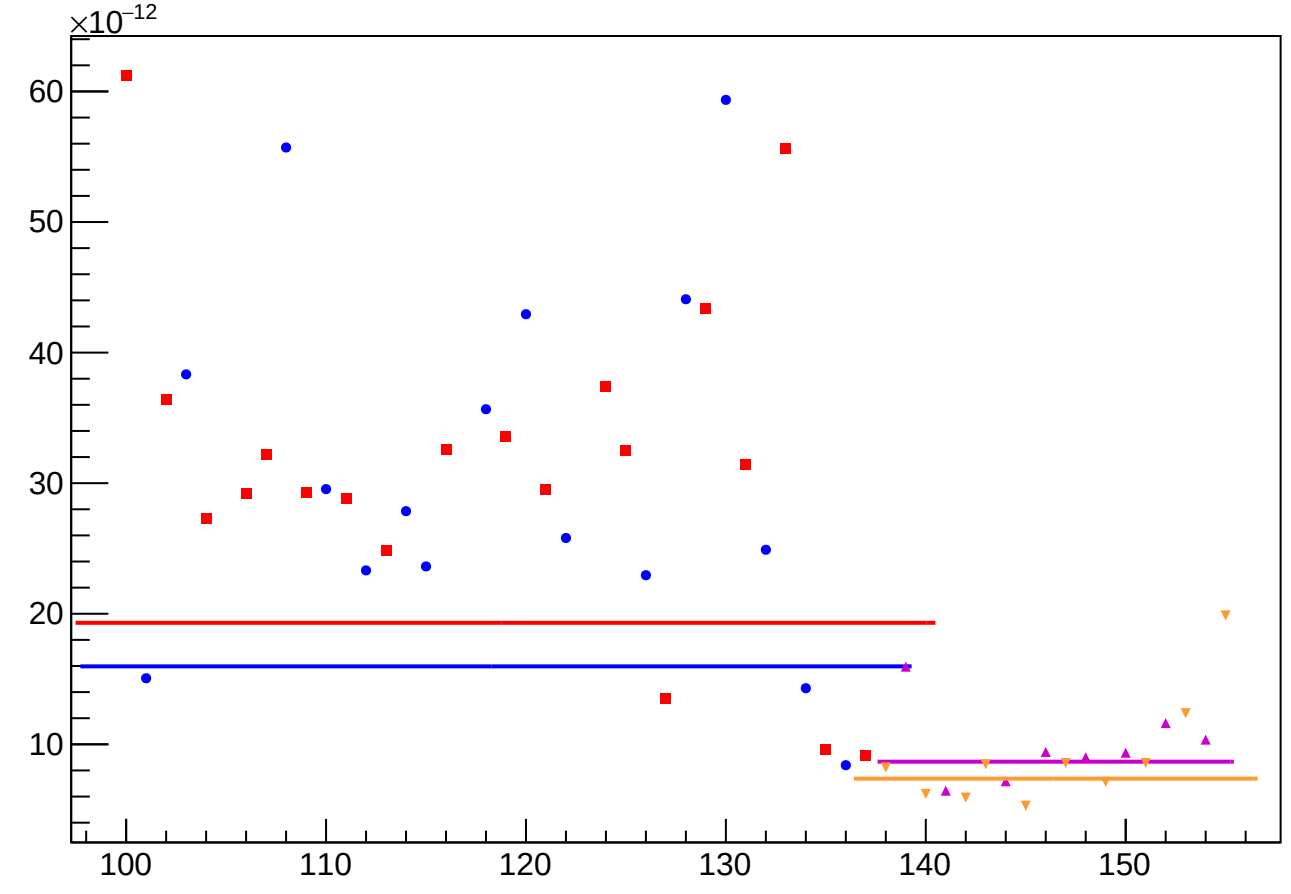
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/7

+ sign 0.000+/-0.000 χ^2/NDF: 12.8/25

All: 0.000+/-0.000 χ^2/NDF: 39.0/52

- sign 0.000+/-0.000 χ^2/NDF: 26.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:920184.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

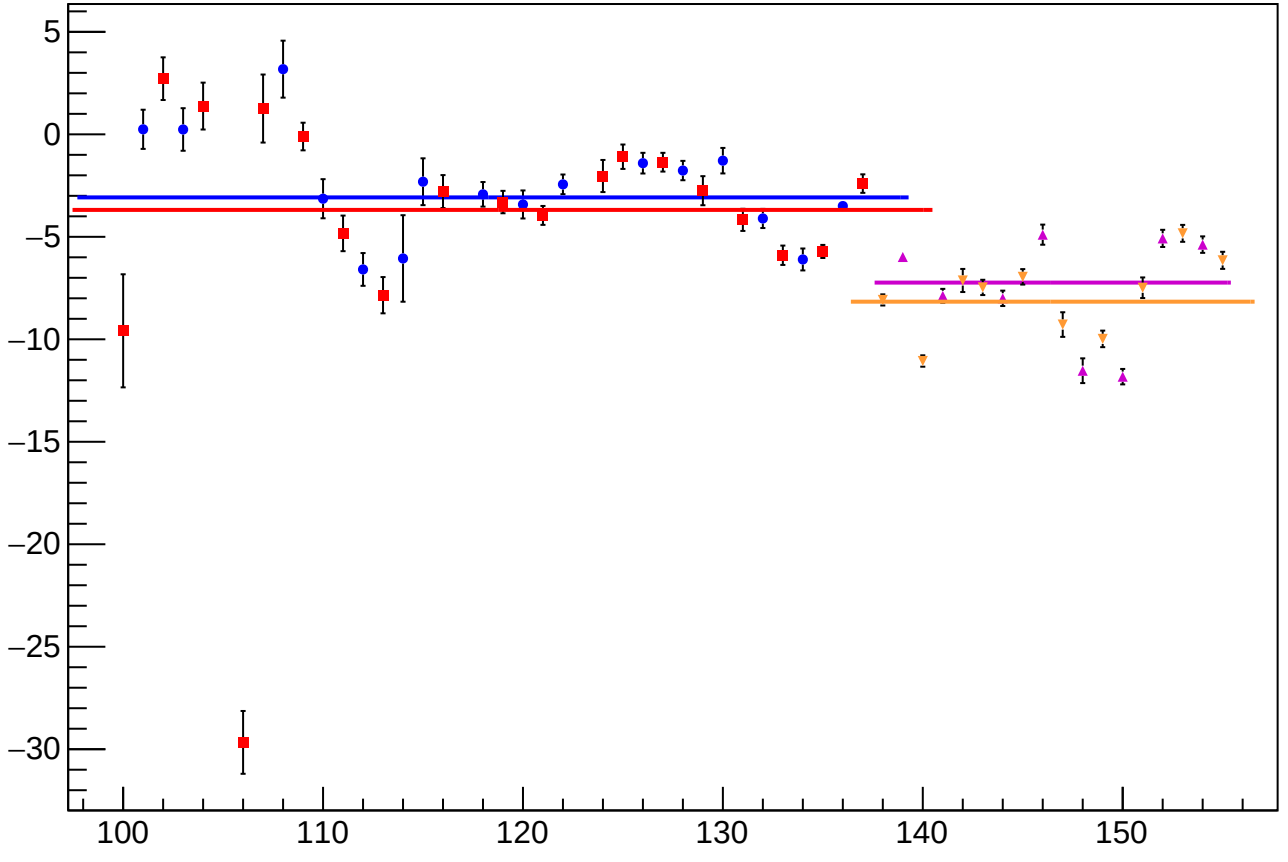
Left In: 0.000+/-0.000 χ^2/NDF:560695.1/7

+ sign 0.000+/-0.000 χ^2/NDF: 5399900.4/25

All: 0.000+/-0.000 χ^2/NDF: 10446925.1/52

- sign 0.000+/-0.000 χ^2/NDF: 4858886.4/26

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.164+/-0.121 χ^2/NDF:240.2/9

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

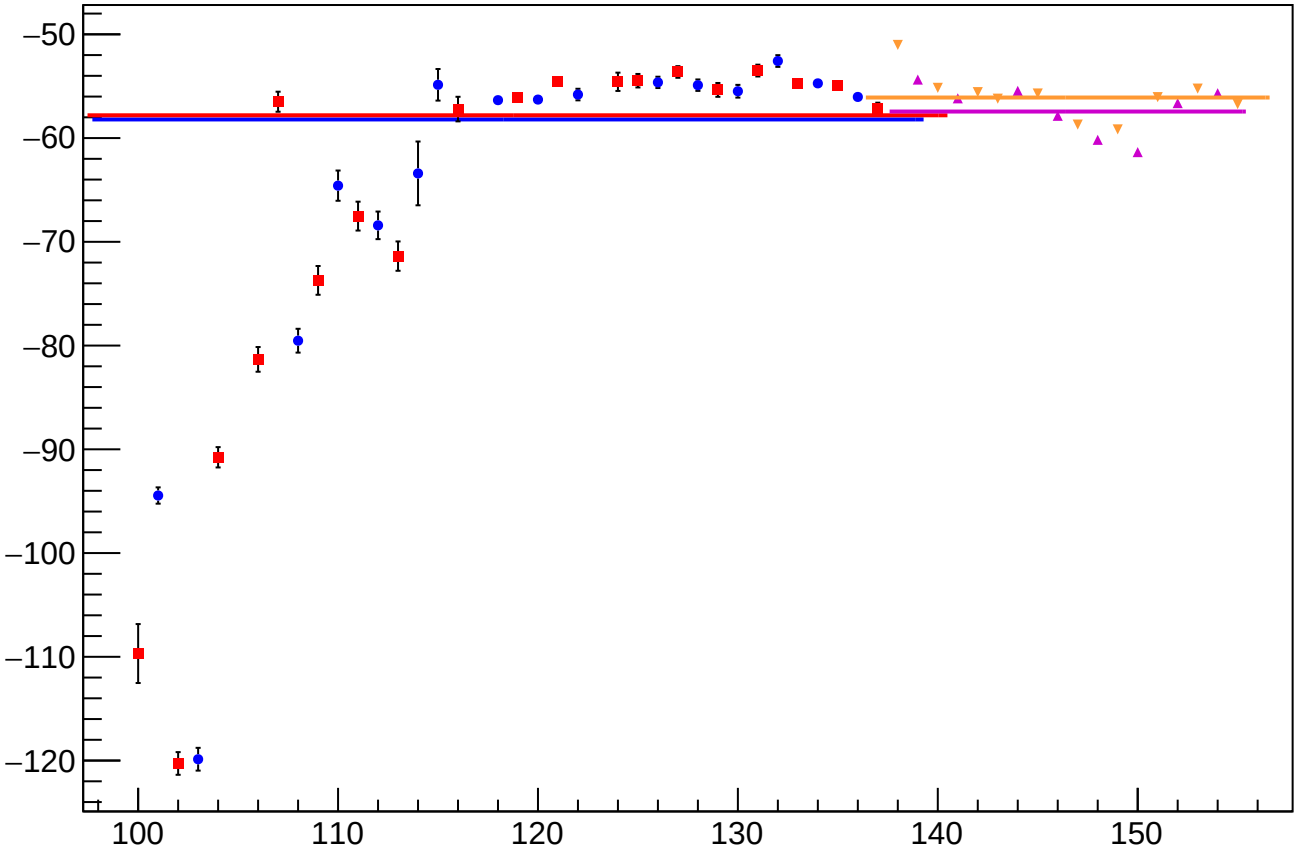
Left In: -7.234+/-0.130 χ^2/NDF:304.6/7

+ sign -5.904+/-0.090 χ^2/NDF: 1160.5/25

All: -5.756+/-0.066 χ^2/NDF: 2349.1/52

- sign -5.591+/-0.095 χ^2/NDF: 1182.9/26

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -56.091+/-0.090 χ^2/NDF:521.6/9

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

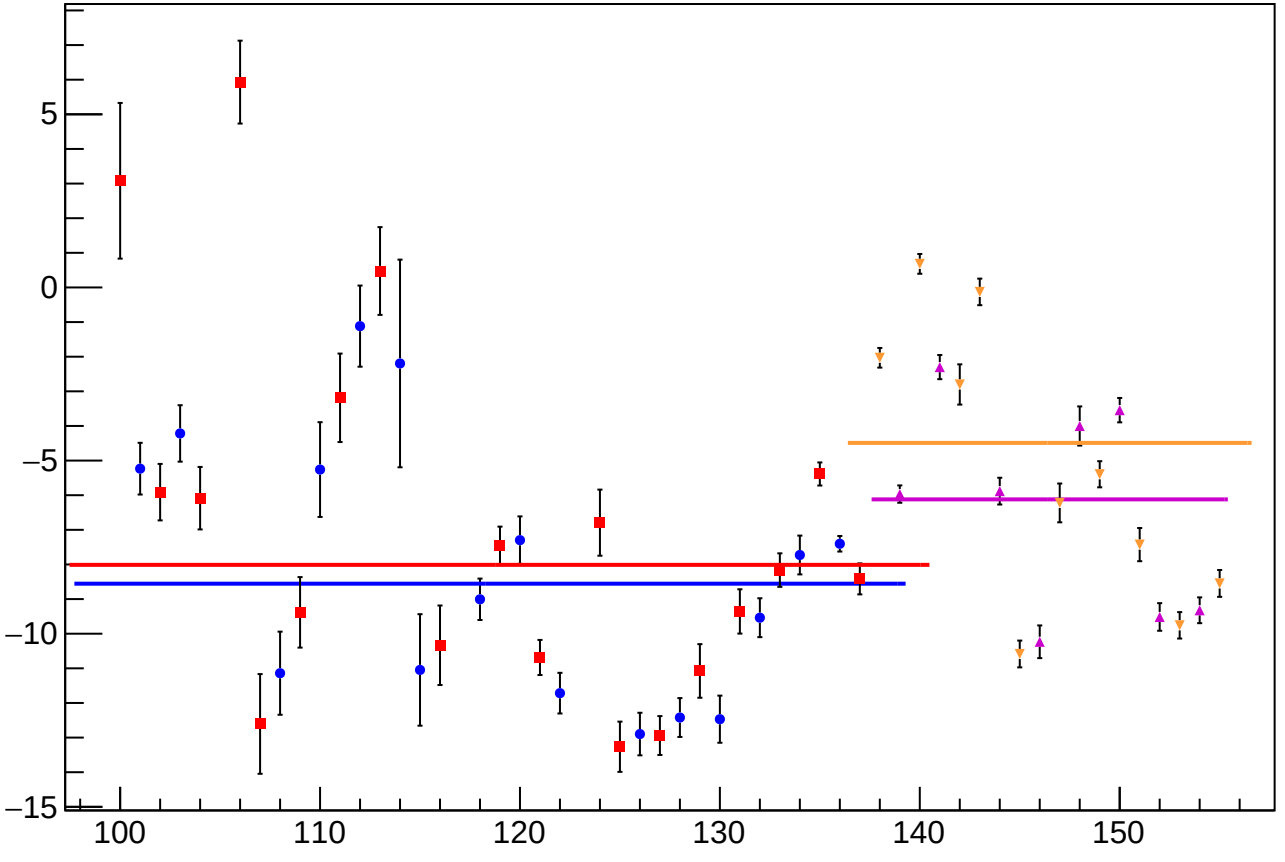
Left In: -57.442+/-0.101 χ^2/NDF:501.2/7

+ sign -56.739+/-0.075 χ^2/NDF: 6817.0/25

All: -57.119+/-0.055 χ^2/NDF: 13171.1/52

- sign -57.568+/-0.082 χ^2/NDF: 6298.3/26

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -4.489+/-0.120 χ^2/NDF:1141.7/9

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

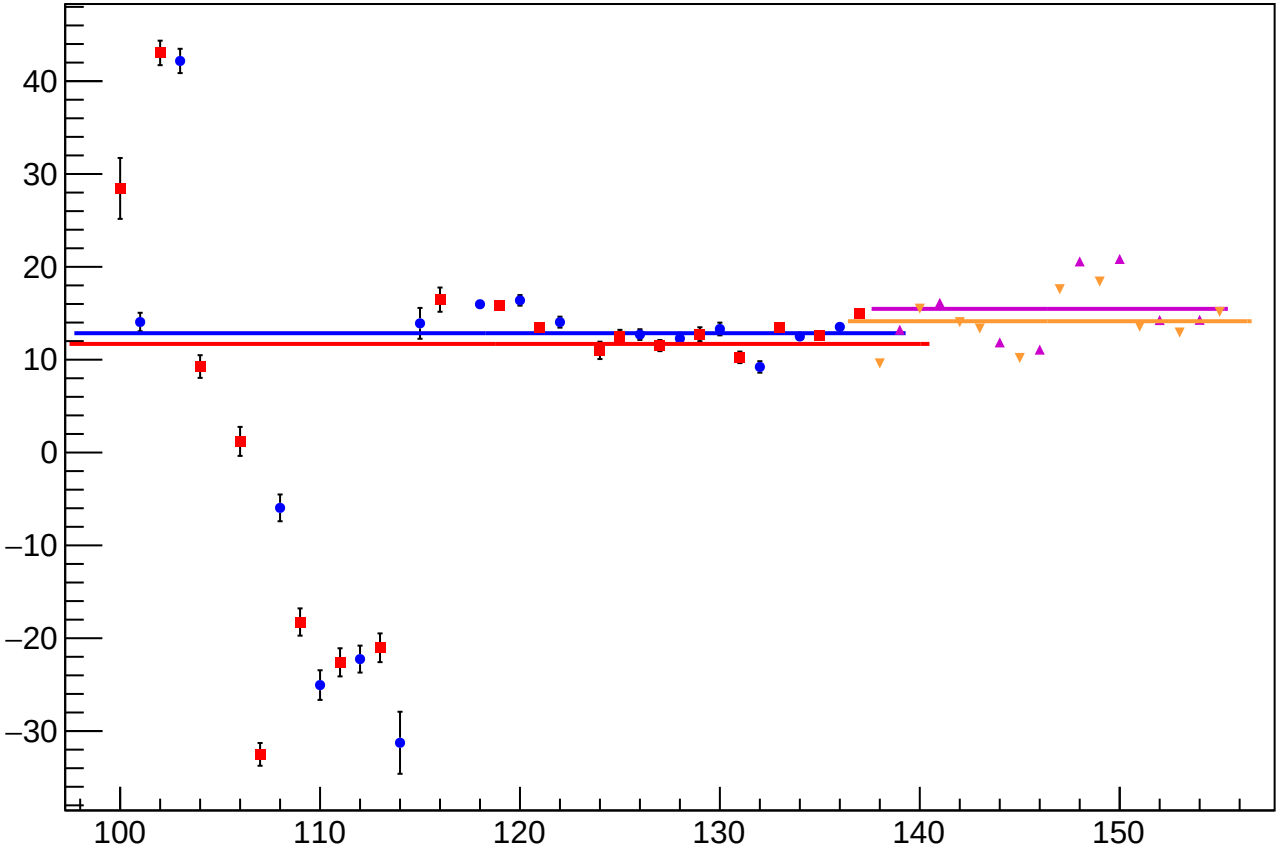
Left In: -6.121+/-0.129 χ^2/NDF:410.7/7

+ sign -6.149+/-0.092 χ^2/NDF: 1909.5/25

All: -6.504+/-0.067 χ^2/NDF: 2930.2/52

- sign -6.907+/-0.099 χ^2/NDF: 989.3/26

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.144+/-0.107 χ^2/NDF:621.1/9

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

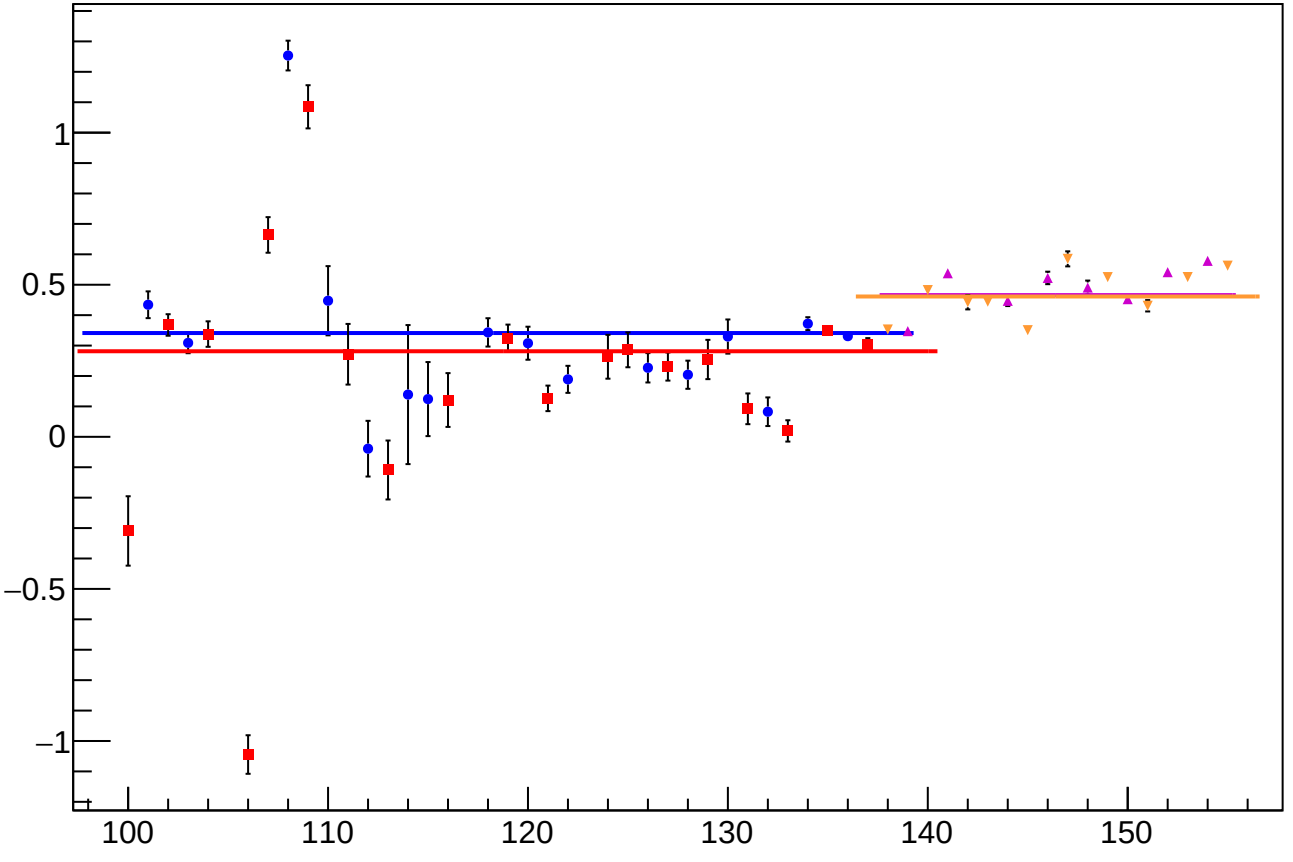
Left In: 15.475+/-0.119 χ^2/NDF:816.8/7

+ sign 13.710+/-0.087 χ^2/NDF: 2798.4/25

All: 13.878+/-0.064 χ^2/NDF: 7495.4/52

- sign 14.076+/-0.094 χ^2/NDF: 4688.9/26

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.461+/-0.005 χ^2/NDF:283.7/9

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

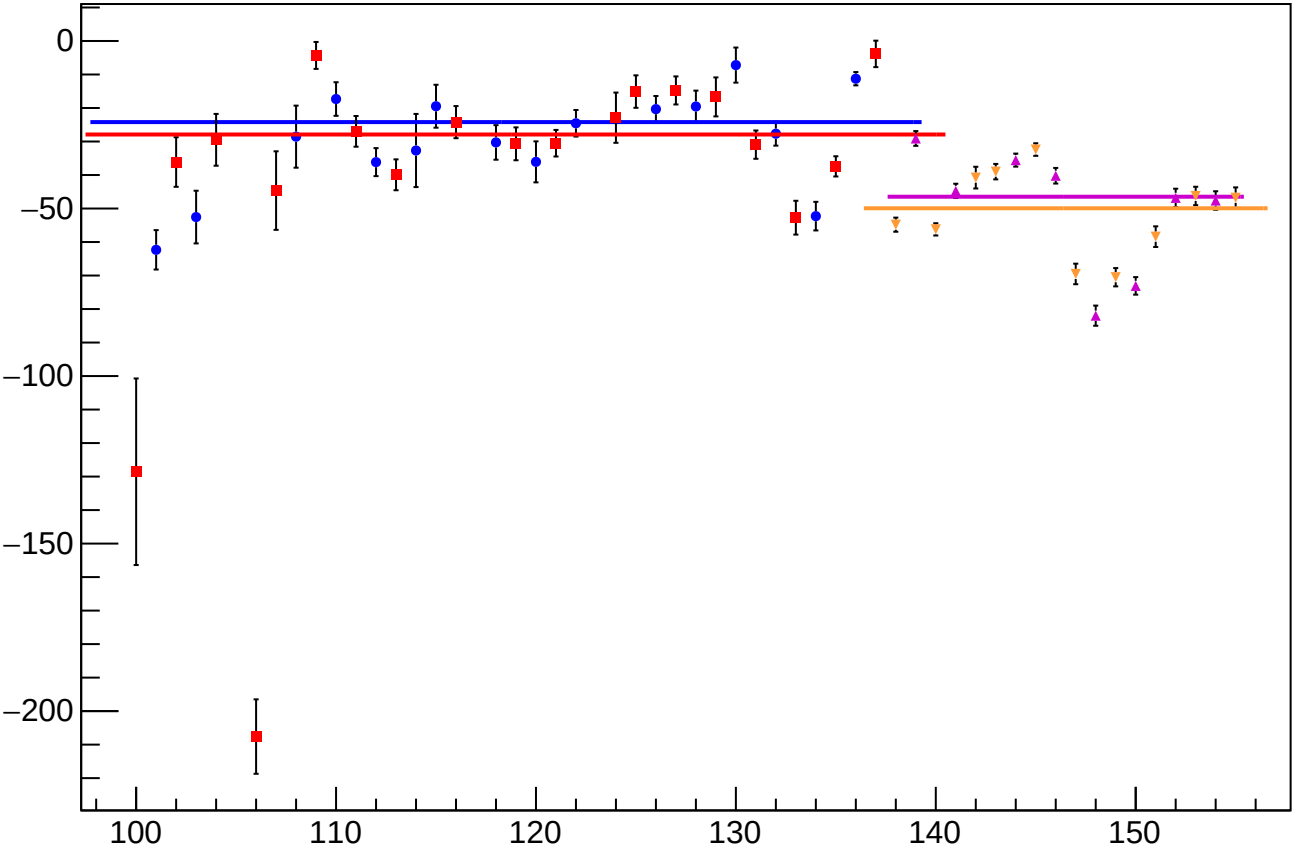
Left In: 0.466+/-0.005 χ^2/NDF:320.1/7

+ sign 0.430+/-0.004 χ^2/NDF: 889.7/25

All: 0.425+/-0.003 χ^2/NDF: 2345.5/52

- sign 0.419+/-0.004 χ^2/NDF: 1452.7/26

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.925+/-0.773 χ^2/NDF:242.9/9

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

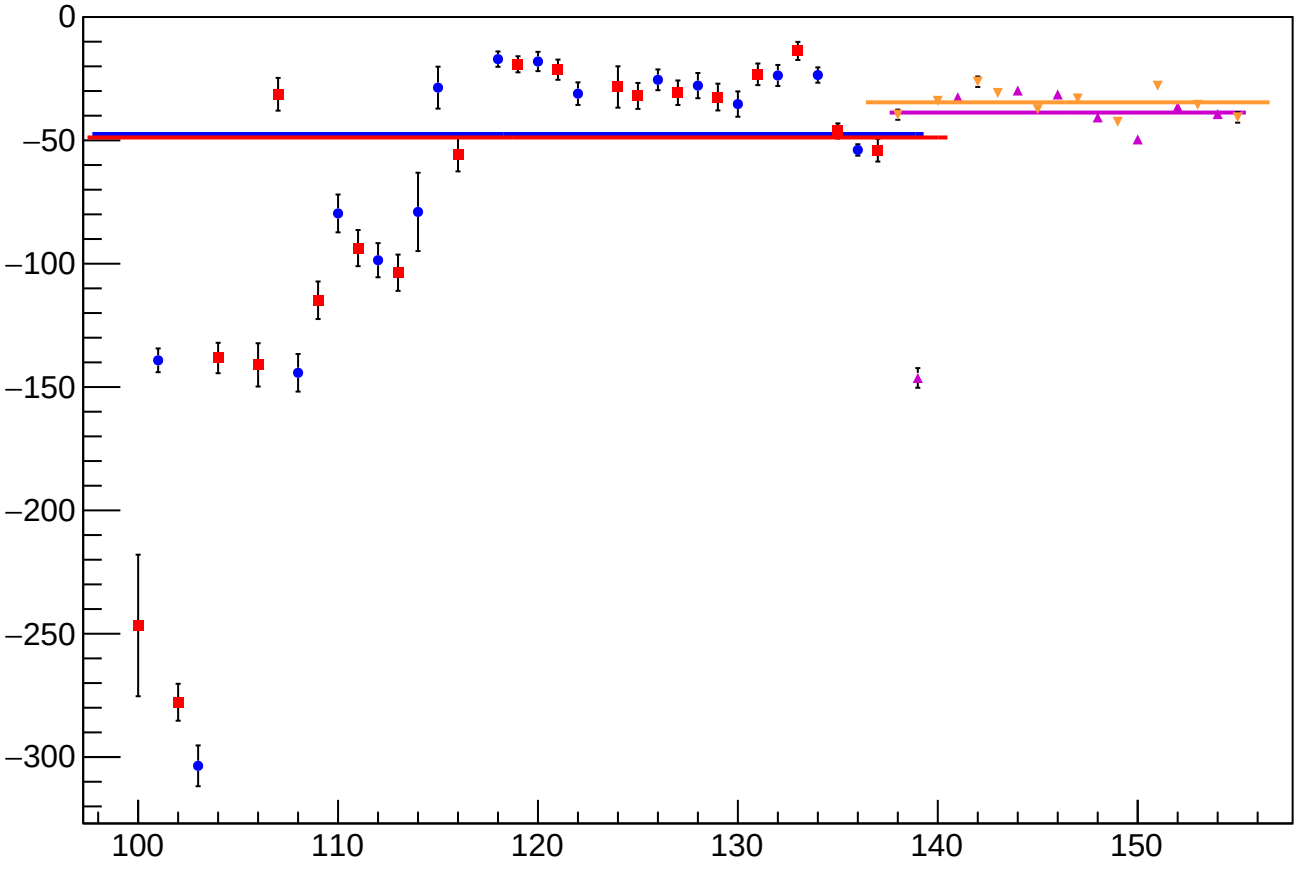
Left In: -46.477+/-0.846 χ^2/NDF:344.7/7

+ sign -41.276+/-0.630 χ^2/NDF: 785.7/25

All: -40.619+/-0.462 χ^2/NDF: 1717.8/52

- sign -39.855+/-0.679 χ^2/NDF: 929.7/26

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.579+/-0.545 χ^2/NDF:76.4/9

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

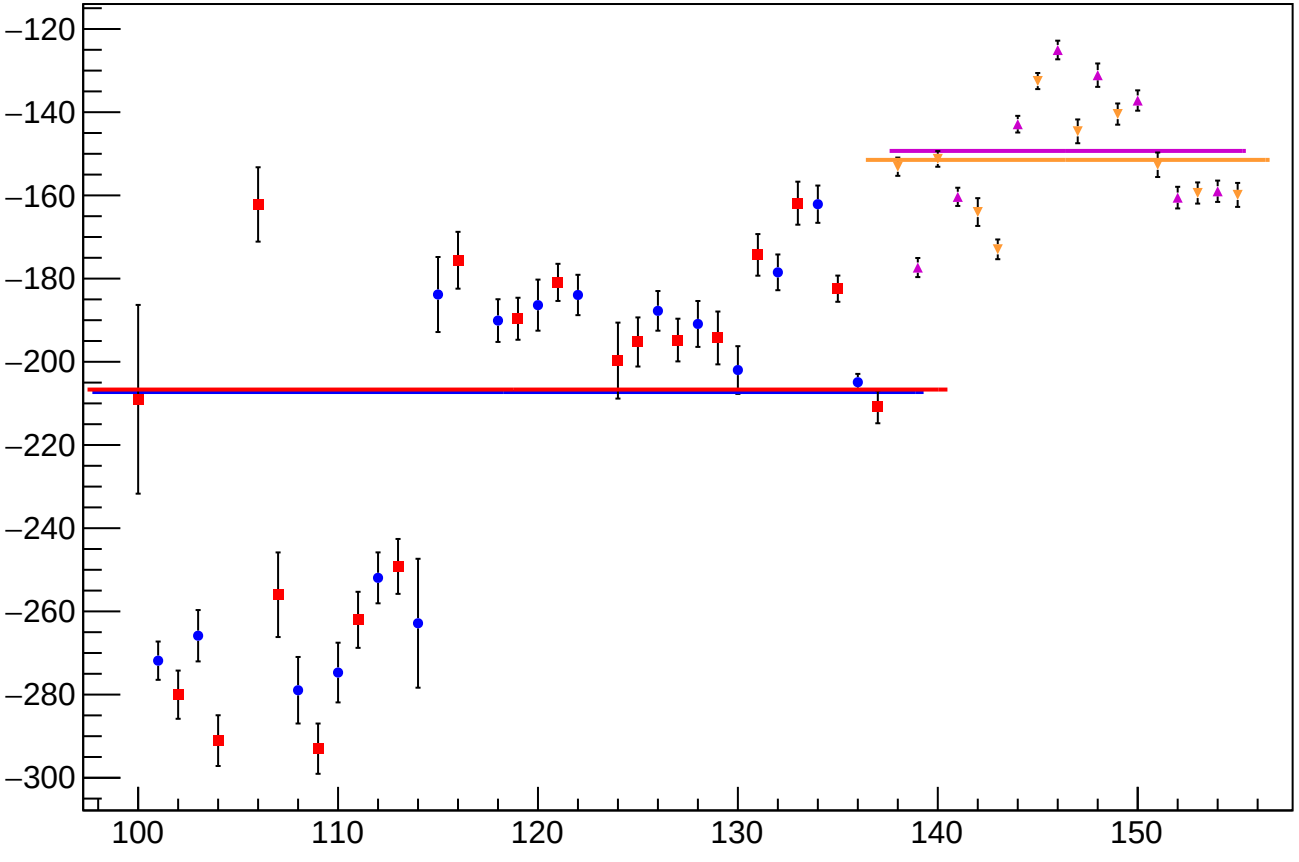
Left In: -38.731+/-0.588 χ^2/NDF:853.8/7

+ sign -37.106+/-0.488 χ^2/NDF: 2059.1/25

All: -38.783+/-0.358 χ^2/NDF: 4771.6/52

- sign -40.734+/-0.527 χ^2/NDF: 2687.0/26

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -151.464+/-0.769 χ^2/NDF:235.7/9

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

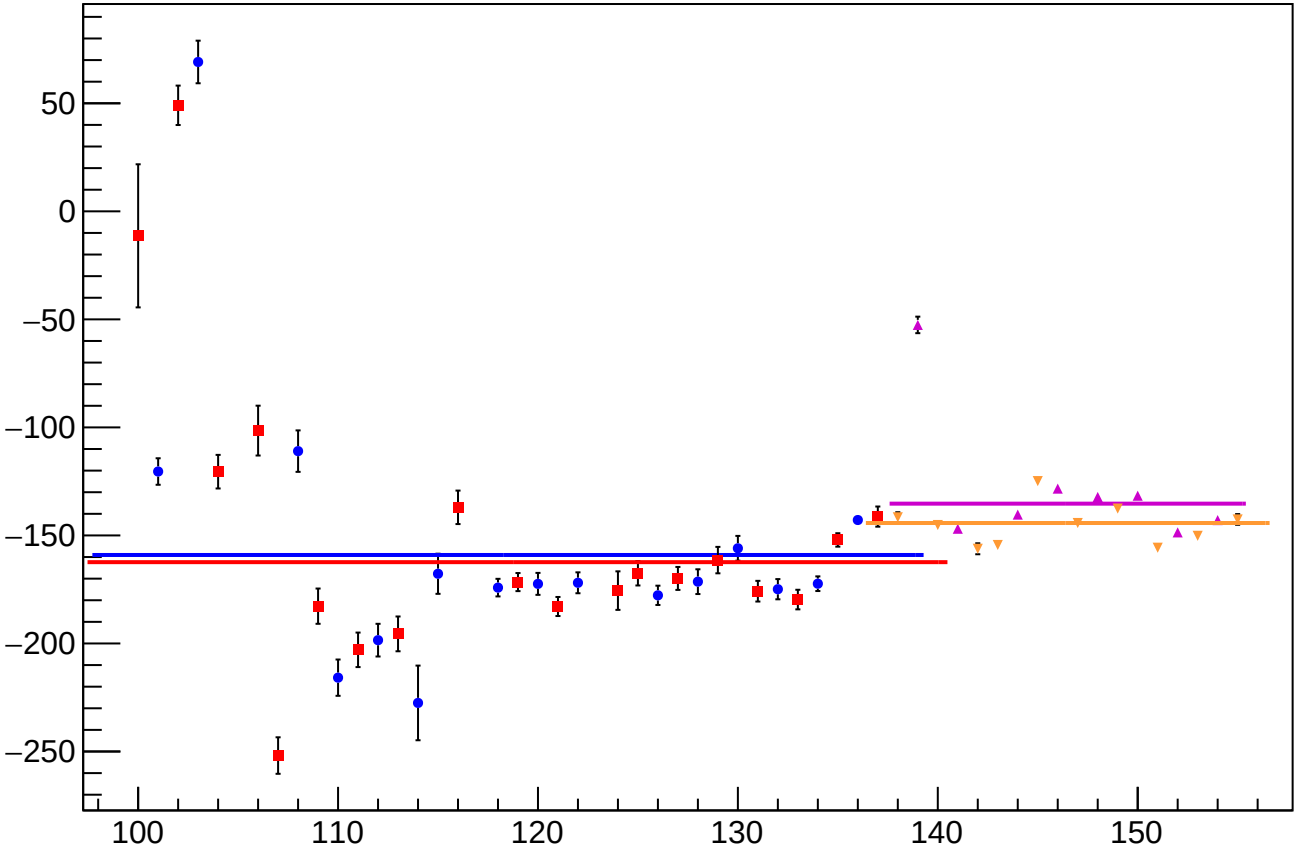
Left In: -149.308+/-0.833 χ^2/NDF:401.4/7

+ sign -168.143+/-0.644 χ^2/NDF: 2556.6/25

All: -167.337+/-0.473 χ^2/NDF: 5342.4/52

- sign -166.392+/-0.698 χ^2/NDF: 2782.4/26

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -144.249+/-0.657 χ^2/NDF:218.4/9

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

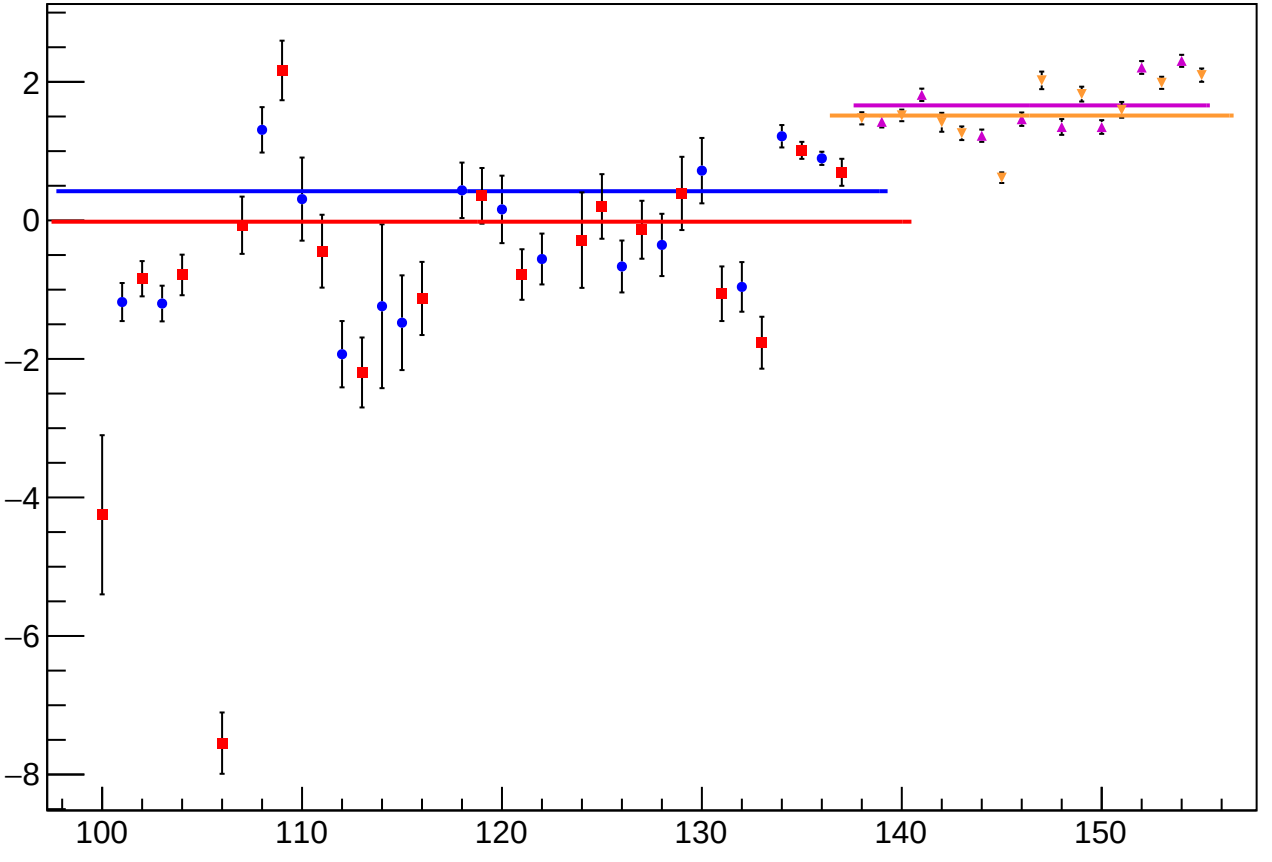
Left In: -135.291+/-0.711 χ^2/NDF:589.2/7

+ sign -147.556+/-0.579 χ^2/NDF: 1147.4/25

All: -144.694+/-0.425 χ^2/NDF: 2986.7/52

- sign -141.350+/-0.626 χ^2/NDF: 1786.4/26

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.514+/-0.031 χ^2/NDF:234.7/9

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

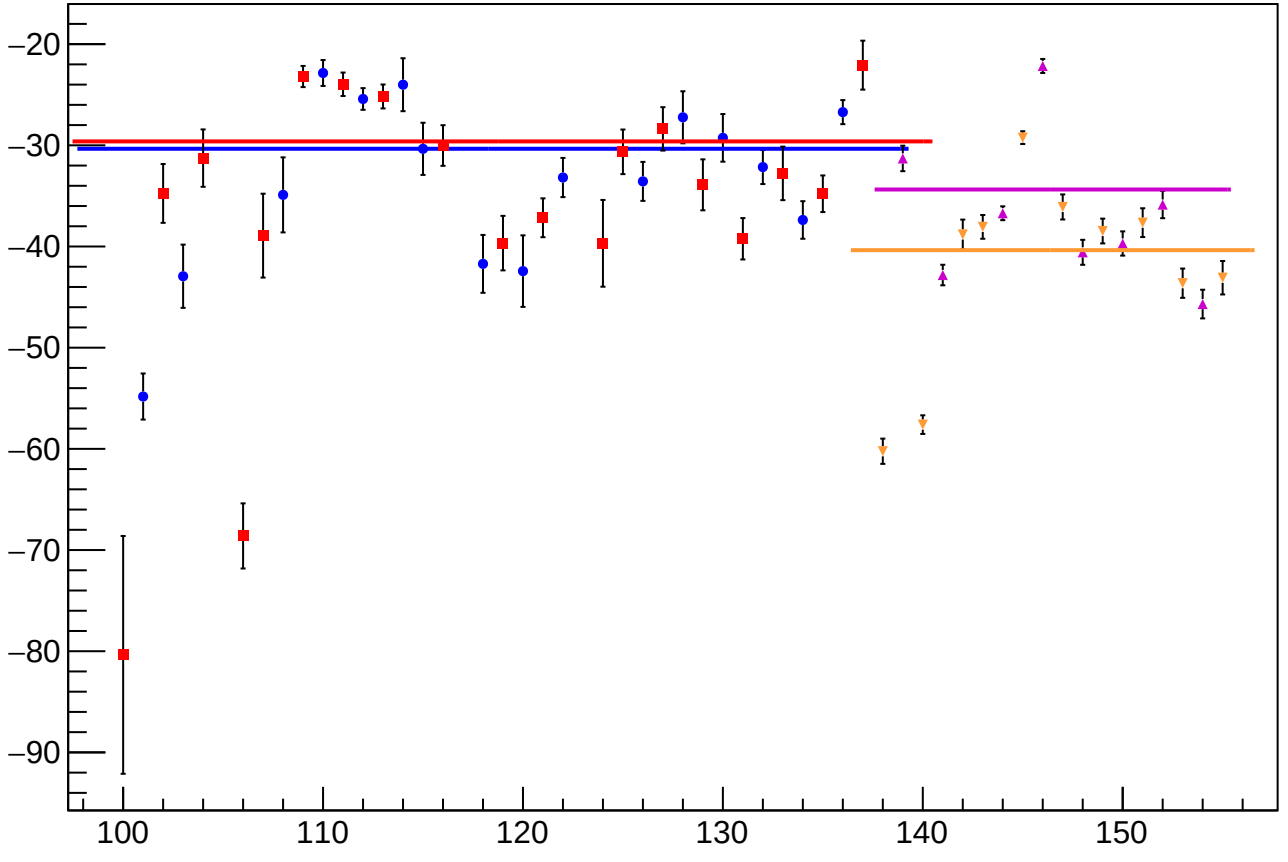
Left In: 1.660+/-0.033 χ^2/NDF:146.3/7

+ sign 1.314+/-0.028 χ^2/NDF: 664.4/25

All: 1.342+/-0.020 χ^2/NDF: 1748.5/52

- sign 1.375+/-0.030 χ^2/NDF: 1081.9/26

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.361+/-0.350 χ^2/NDF:945.0/9

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

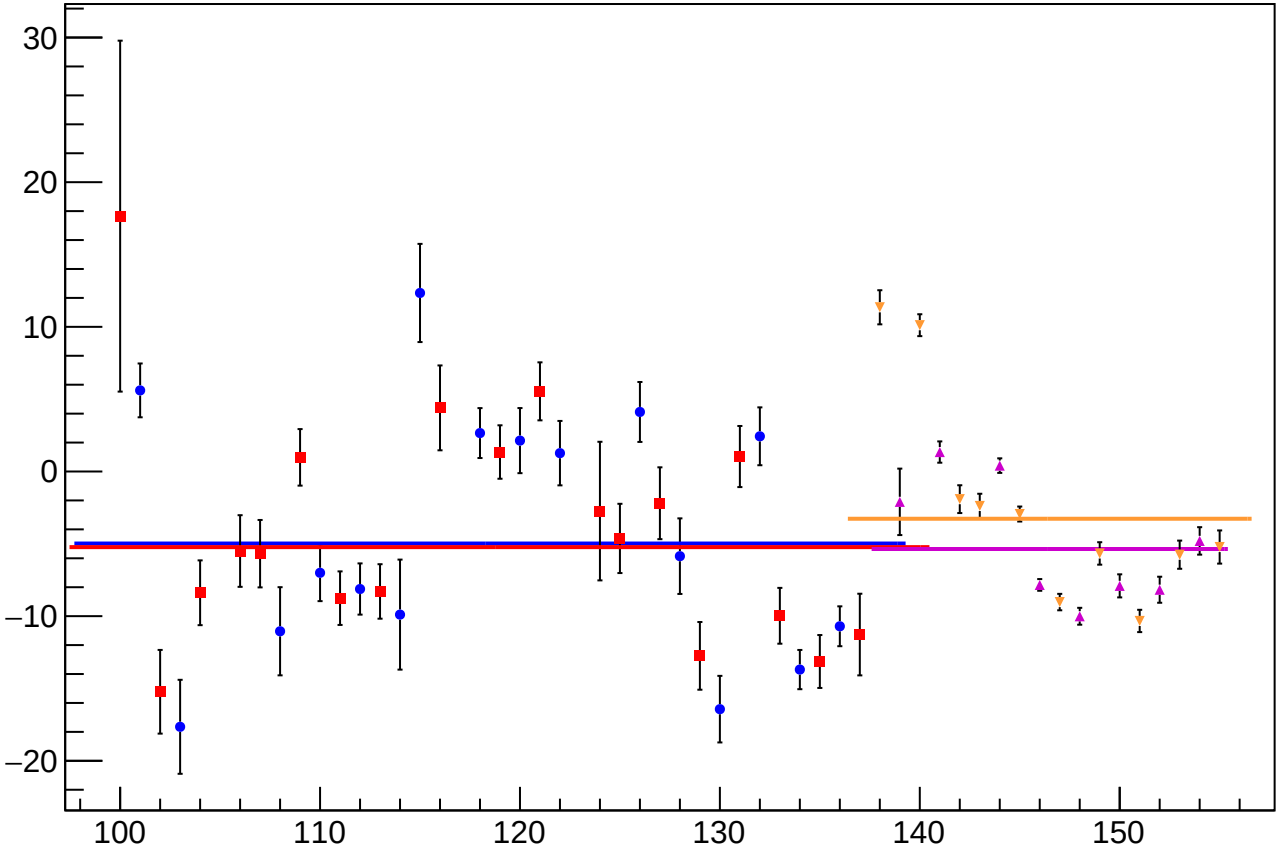
Left In: -34.367+/-0.348 χ^2/NDF:509.3/7

+ sign -36.769+/-0.280 χ^2/NDF: 1492.9/25

All: -34.644+/-0.196 χ^2/NDF: 2514.3/52

- sign -32.587+/-0.276 χ^2/NDF: 908.2/26

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.266+/-0.243 χ^2/NDF:675.6/9

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

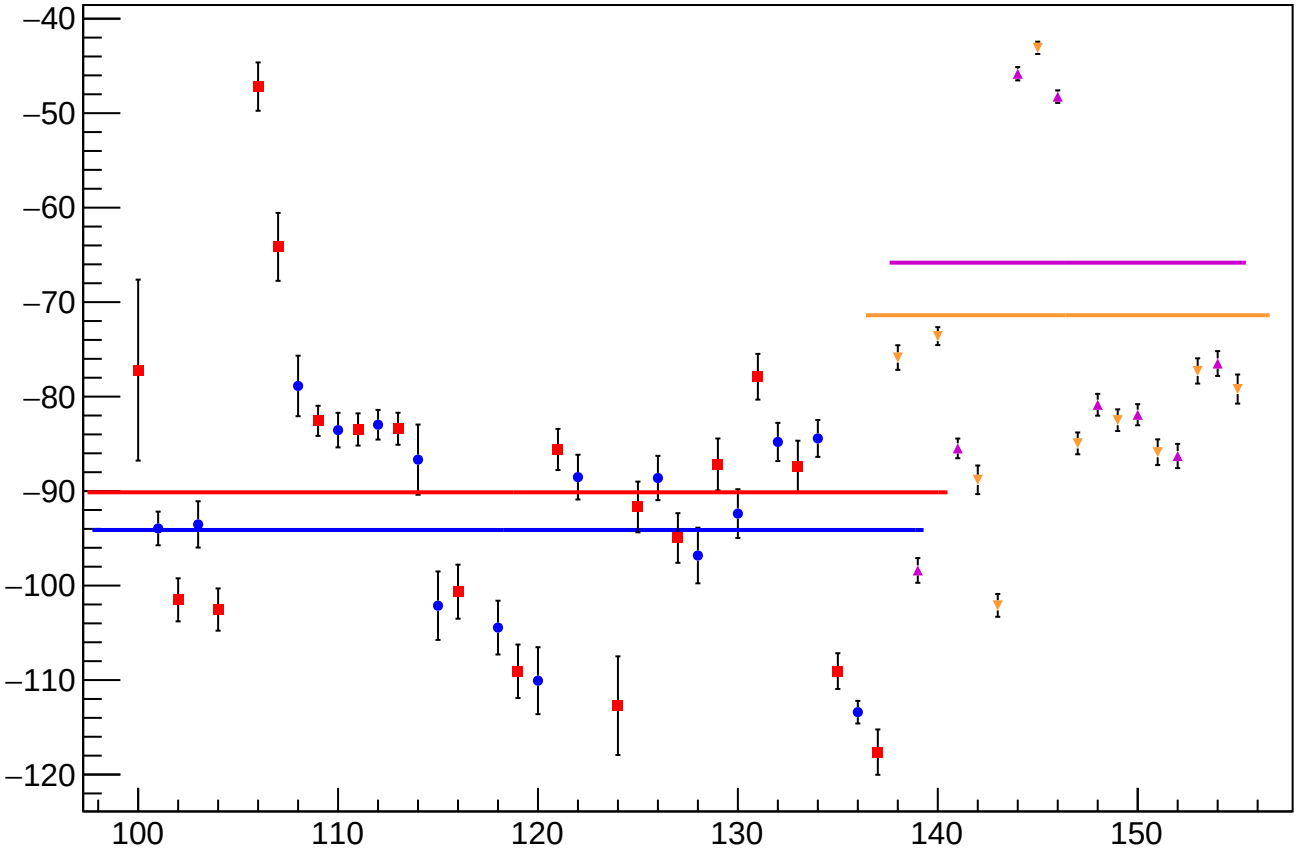
Left In: -5.358+/-0.230 χ^2/NDF:337.5/7

+ sign -3.584+/-0.219 χ^2/NDF: 922.2/25

All: -4.497+/-0.152 χ^2/NDF: 1429.5/52

- sign -5.337+/-0.210 χ^2/NDF: 474.1/26

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -71.385+/-0.349 χ^2/NDF:3082.0/9

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

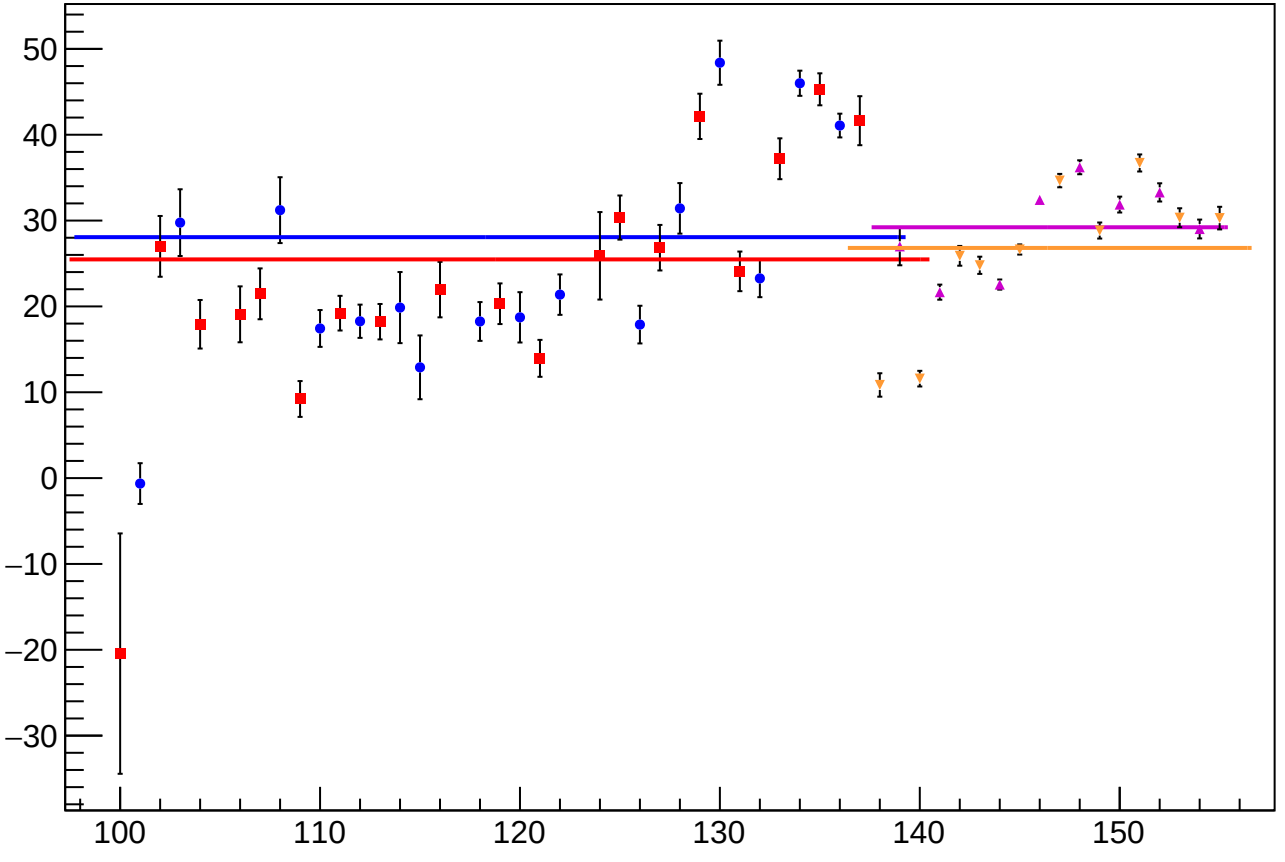
Left In: -65.823+/-0.343 χ^2/NDF:3174.4/7

+ sign -78.123+/-0.292 χ^2/NDF: 4809.2/25

All: -75.412+/-0.206 χ^2/NDF: 10376.3/52

- sign -72.748+/-0.290 χ^2/NDF: 5396.6/26

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.813+/-0.295 χ^2/NDF:642.5/9

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

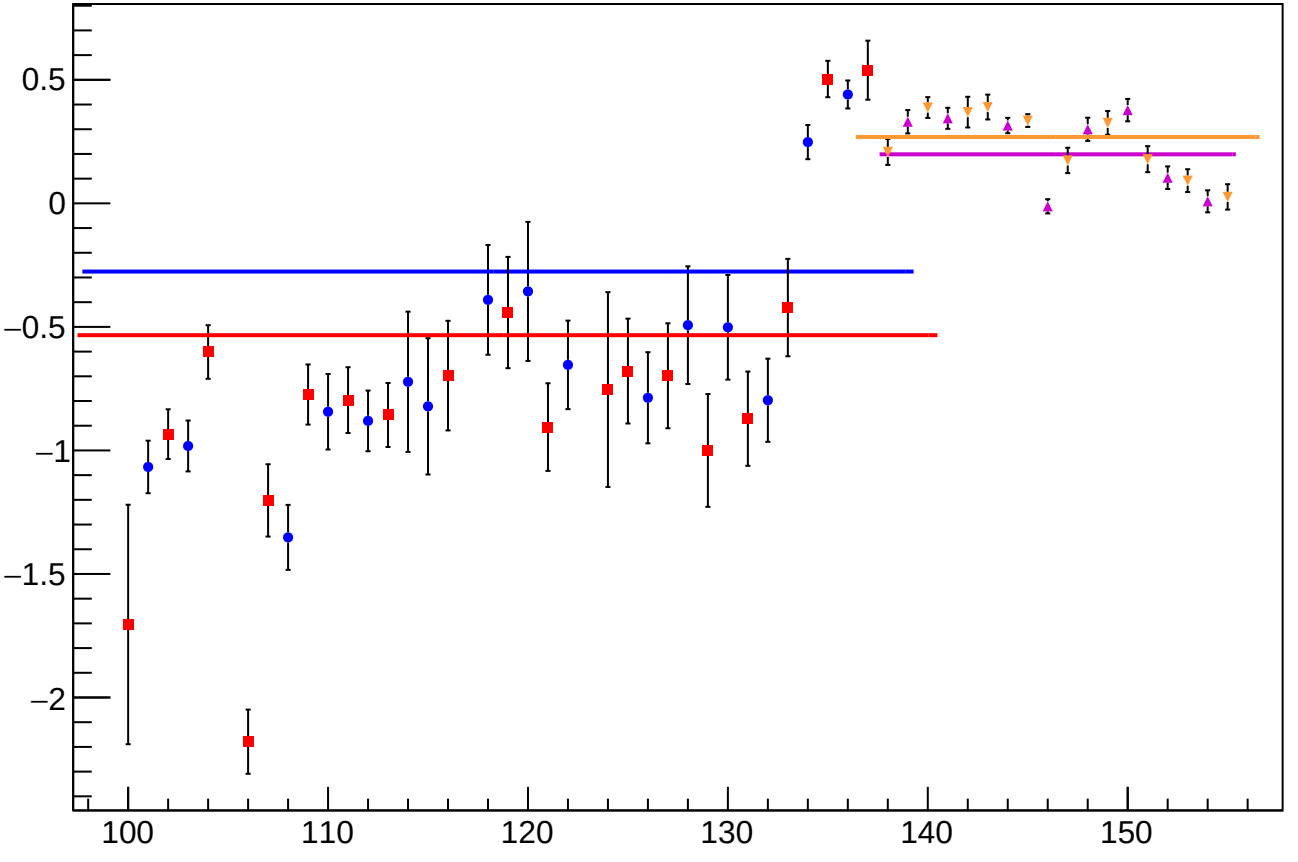
Left In: 29.220+/-0.282 χ^2/NDF:338.6/7

\+ sign 27.078+/-0.262 χ^2/NDF: 1229.4/25

All: 27.823+/-0.182 χ^2/NDF: 1971.2/52

\- sign 28.527+/-0.254 χ^2/NDF: 726.0/26

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.269+/-0.014 χ^2/NDF:69.1/9

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

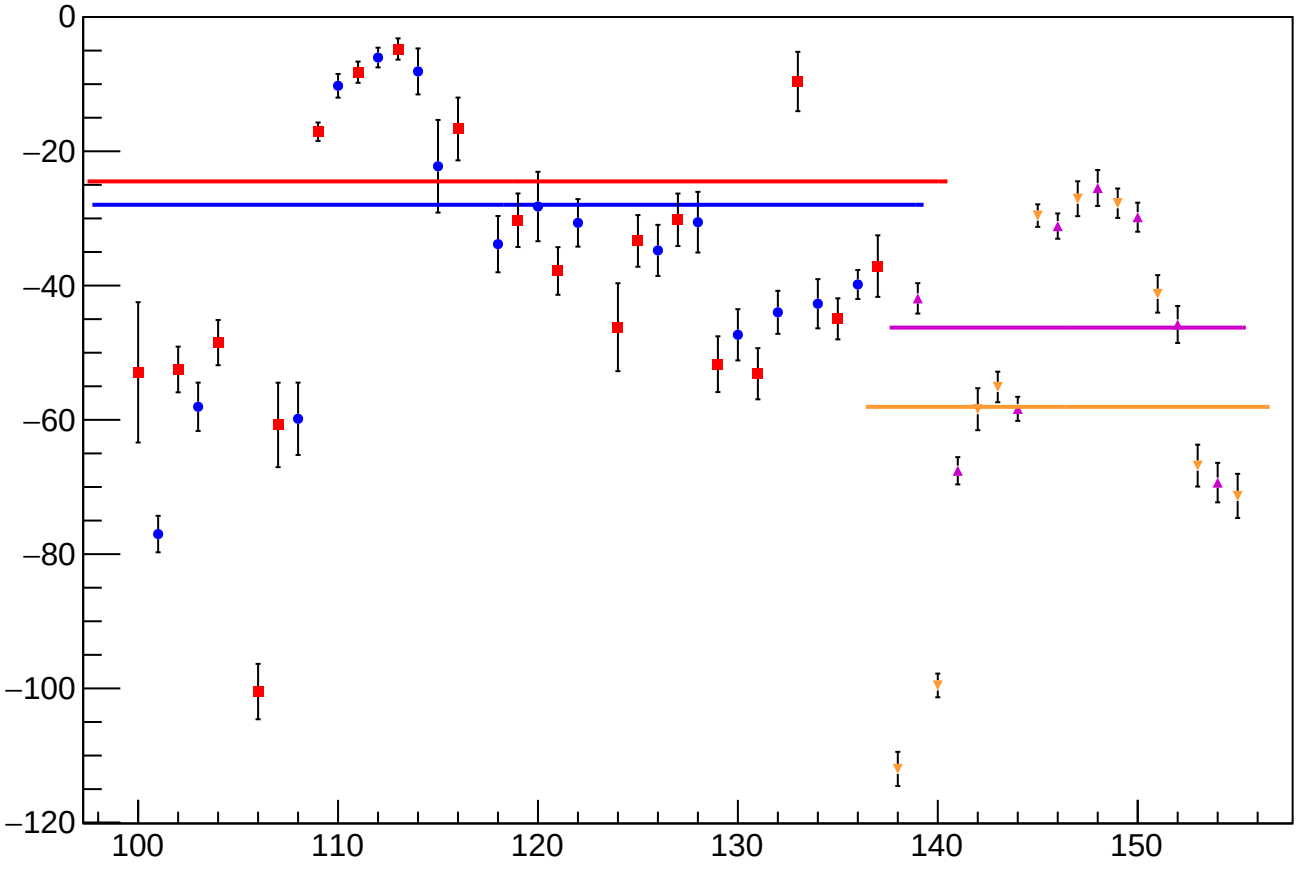
Left In: 0.198+/-0.014 χ^2/NDF:129.4/7

+ sign 0.175+/-0.013 χ^2/NDF: 786.2/25

All: 0.131+/-0.009 χ^2/NDF: 1870.4/52

- sign 0.087+/-0.013 χ^2/NDF: 1060.8/26

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -58.065+/-0.744 χ^2/NDF:1684.1/9

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

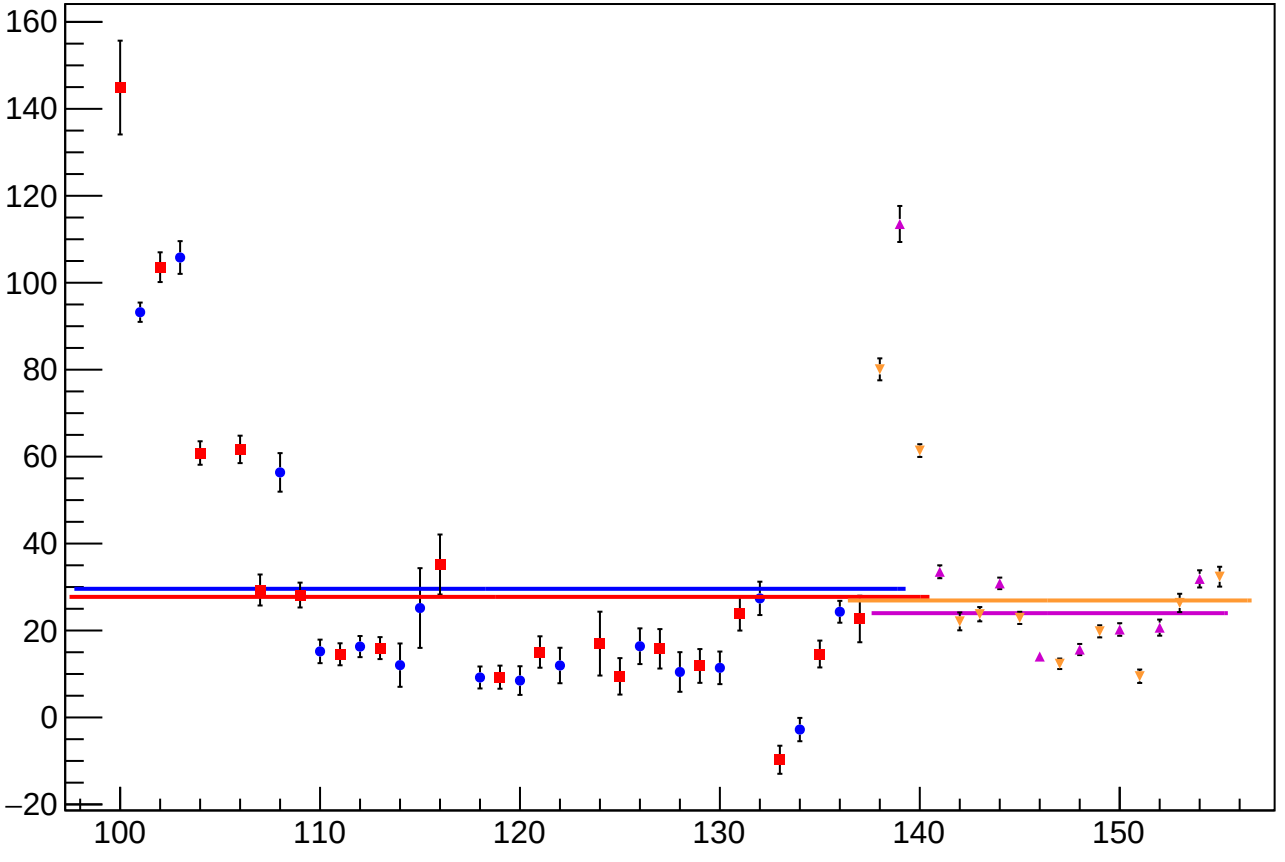
Left In: -46.261+/-0.783 χ^2/NDF:403.7/7

+ sign -42.676+/-0.520 χ^2/NDF: 3414.9/25

All: -37.999+/-0.363 χ^2/NDF: 5416.2/52

- sign -33.577+/-0.506 χ^2/NDF: 1844.0/26

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.911+/-0.515 χ^2/NDF:1317.7/9

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

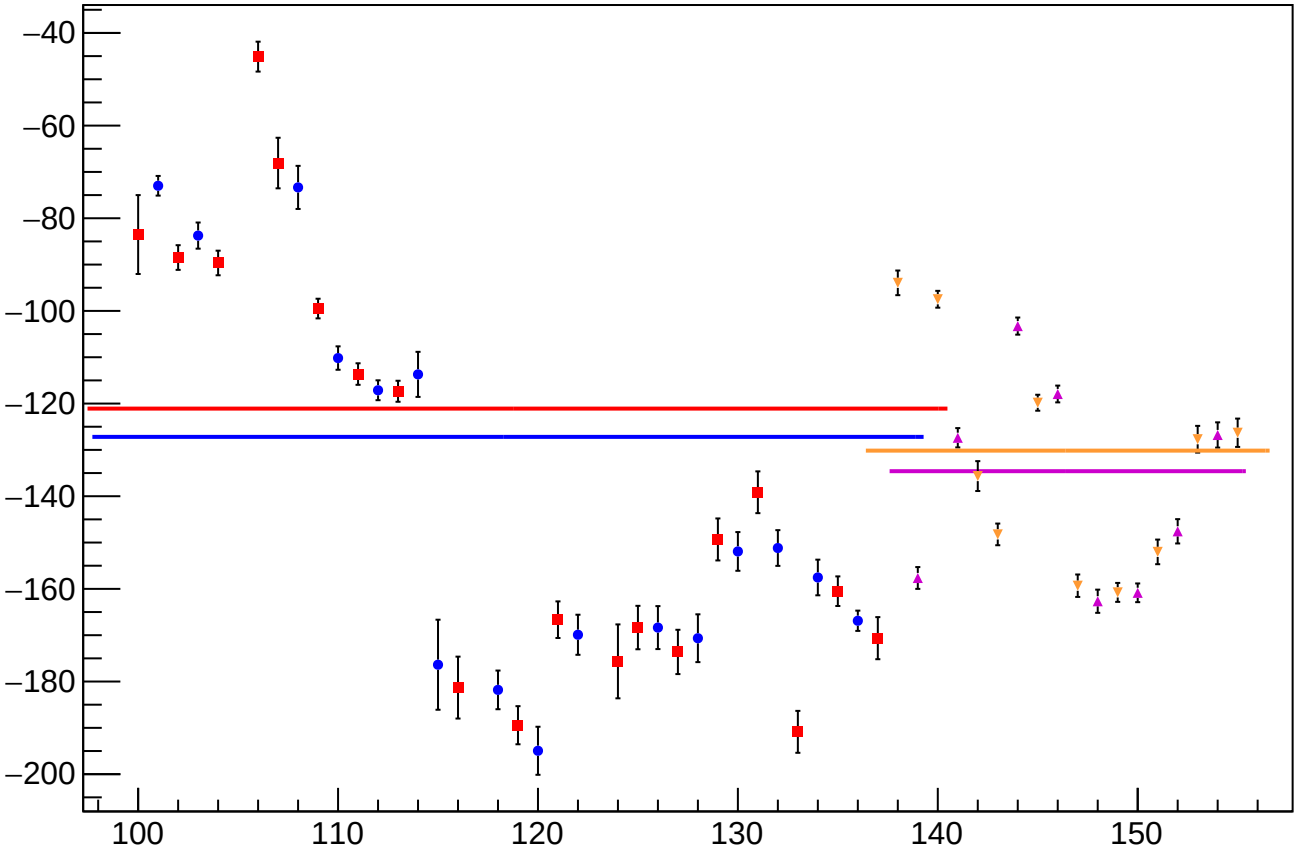
Left In: 23.990+/-0.537 χ^2/NDF:678.9/7

\+ sign 27.687+/-0.434 χ^2/NDF: 2991.2/25

All: 26.454+/-0.311 χ^2/NDF: 4887.0/52

\- sign 25.158+/-0.445 χ^2/NDF: 1879.2/26

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -130.157+/-0.738 χ^2/NDF:1046.3/9

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

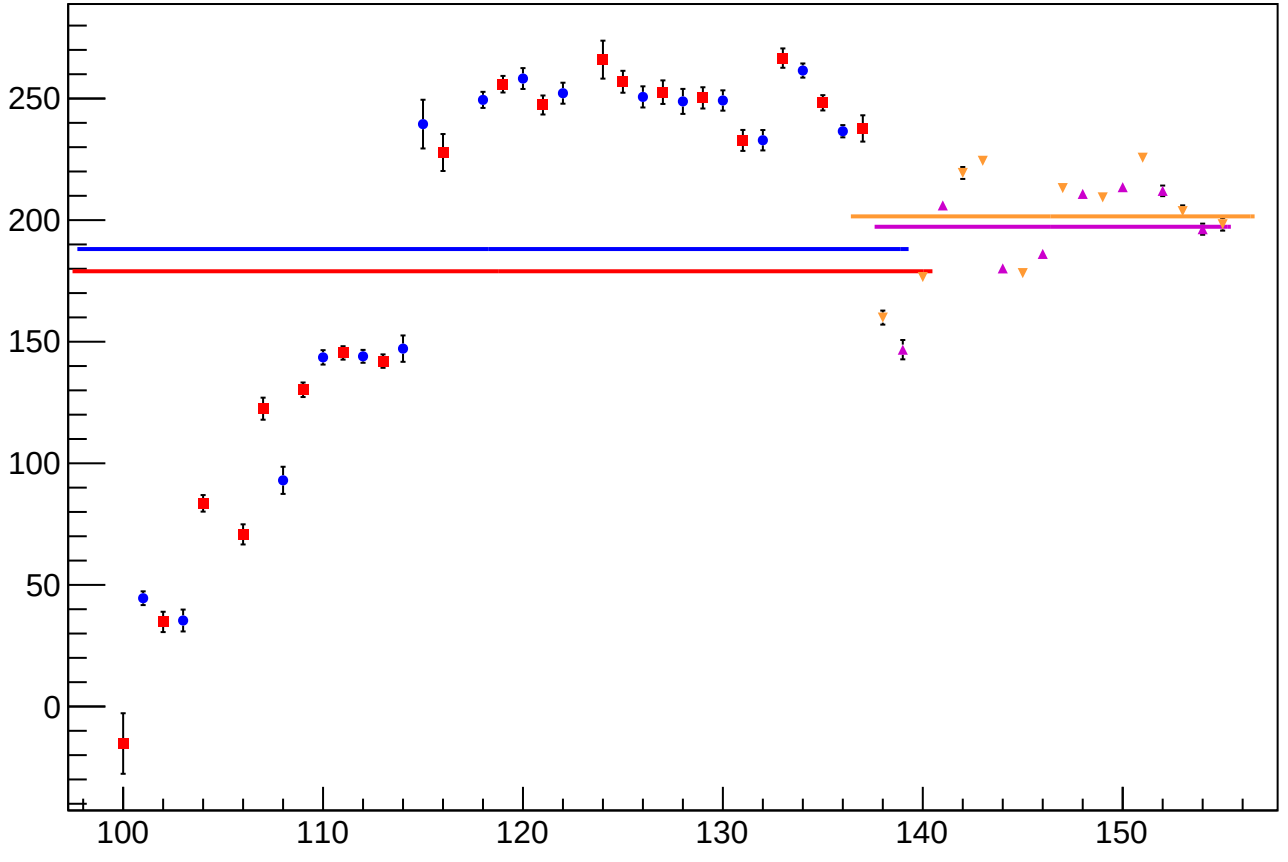
Left In: -134.596+/-0.769 χ^2/NDF:806.7/7

+ sign -128.847+/-0.551 χ^2/NDF: 3231.6/25

All: -128.470+/-0.391 χ^2/NDF: 6585.2/52

- sign -128.090+/-0.554 χ^2/NDF: 3352.6/26

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.540+/-0.624 χ^2/NDF:1035.7/9

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

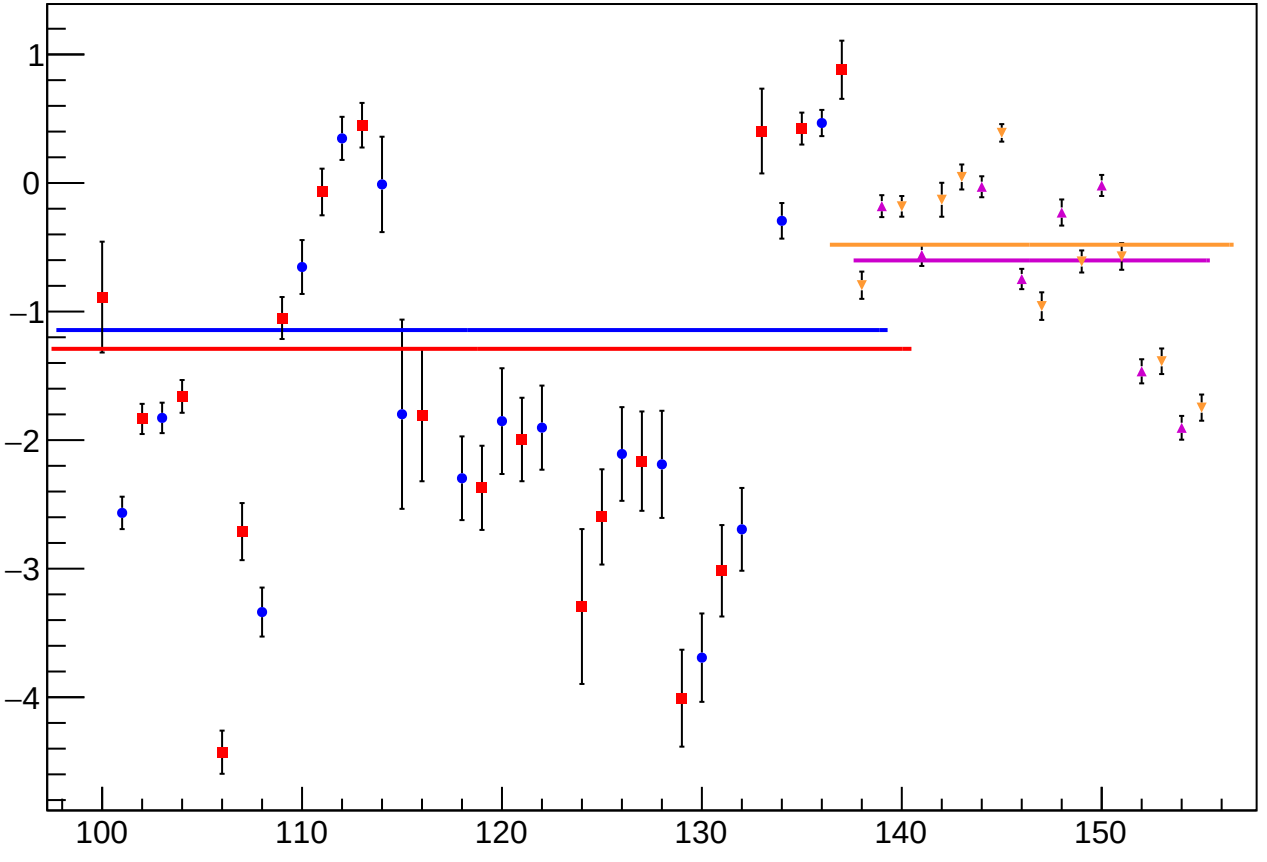
Left In: 197.274+/-0.649 χ^2/NDF:568.2/7

+ sign 197.293+/-0.516 χ^2/NDF: 8300.7/25

All: 194.258+/-0.369 χ^2/NDF: 15877.2/52

- sign 191.082+/-0.528 χ^2/NDF: 7505.8/26

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.480+/-0.030 χ^2/NDF:482.5/9

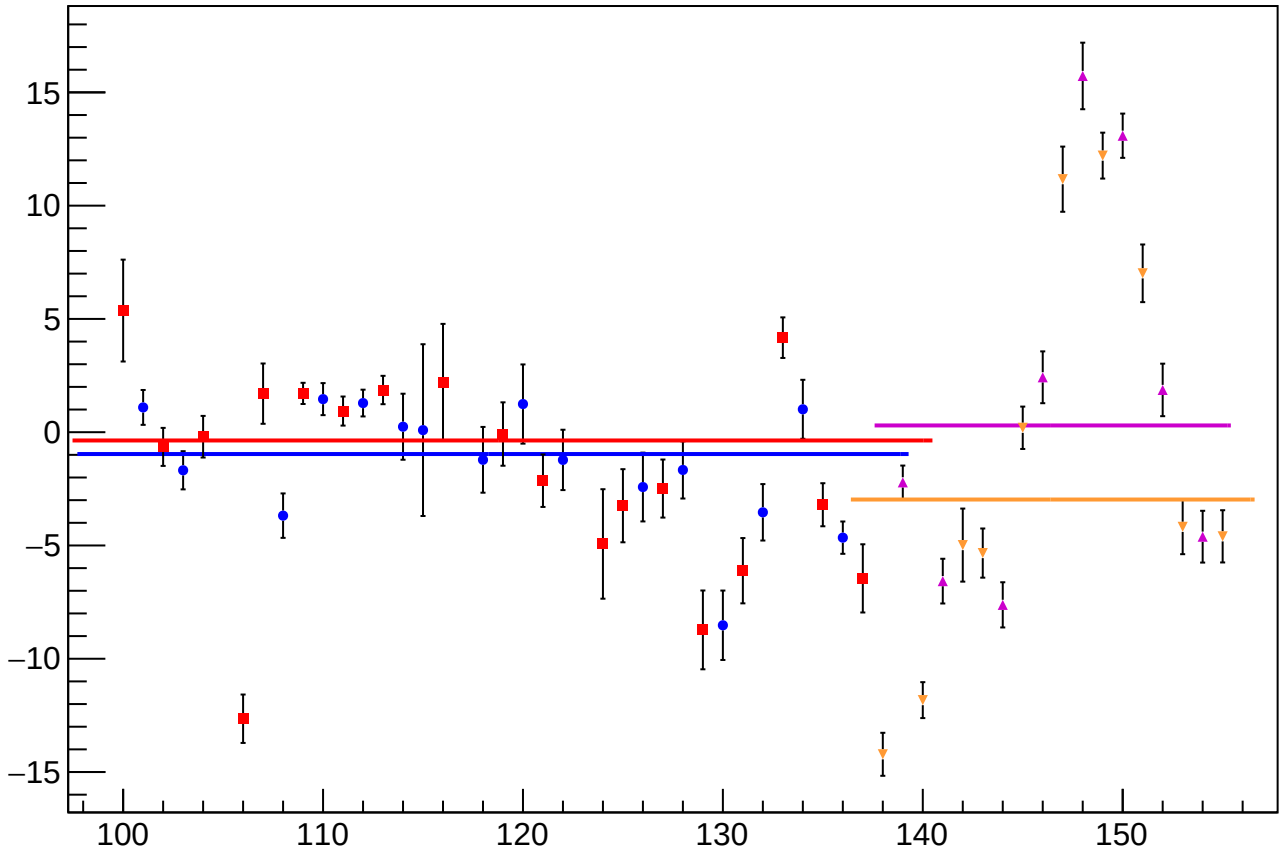
Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.602+/-0.031 χ^2/NDF:424.1/7

+ sign -0.664+/-0.025 χ^2/NDF: 1408.2/25

All: -0.733+/-0.018 χ^2/NDF: 2994.0/52

- sign -0.805+/-0.026 χ^2/NDF: 1570.4/26



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.972+/-0.341 χ^2/NDF:668.4/9

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

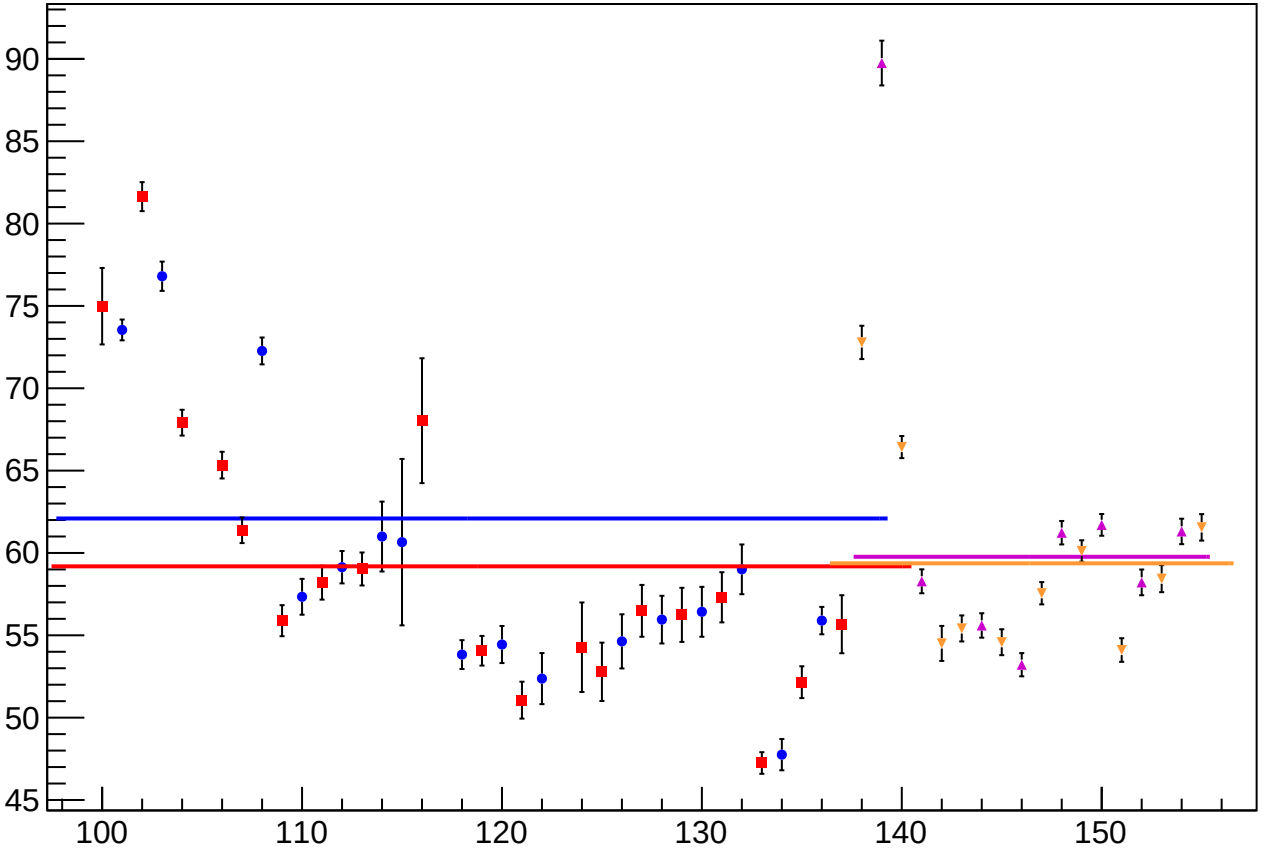
Left In: 0.298+/-0.362 χ^2/NDF:428.5/7

+ sign -1.677+/-0.203 χ^2/NDF: 793.9/25

All: -0.880+/-0.139 χ^2/NDF: 1534.2/52

- sign -0.182+/-0.190 χ^2/NDF: 711.5/26

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.370+/-0.244 χ^2/NDF:441.1/9

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

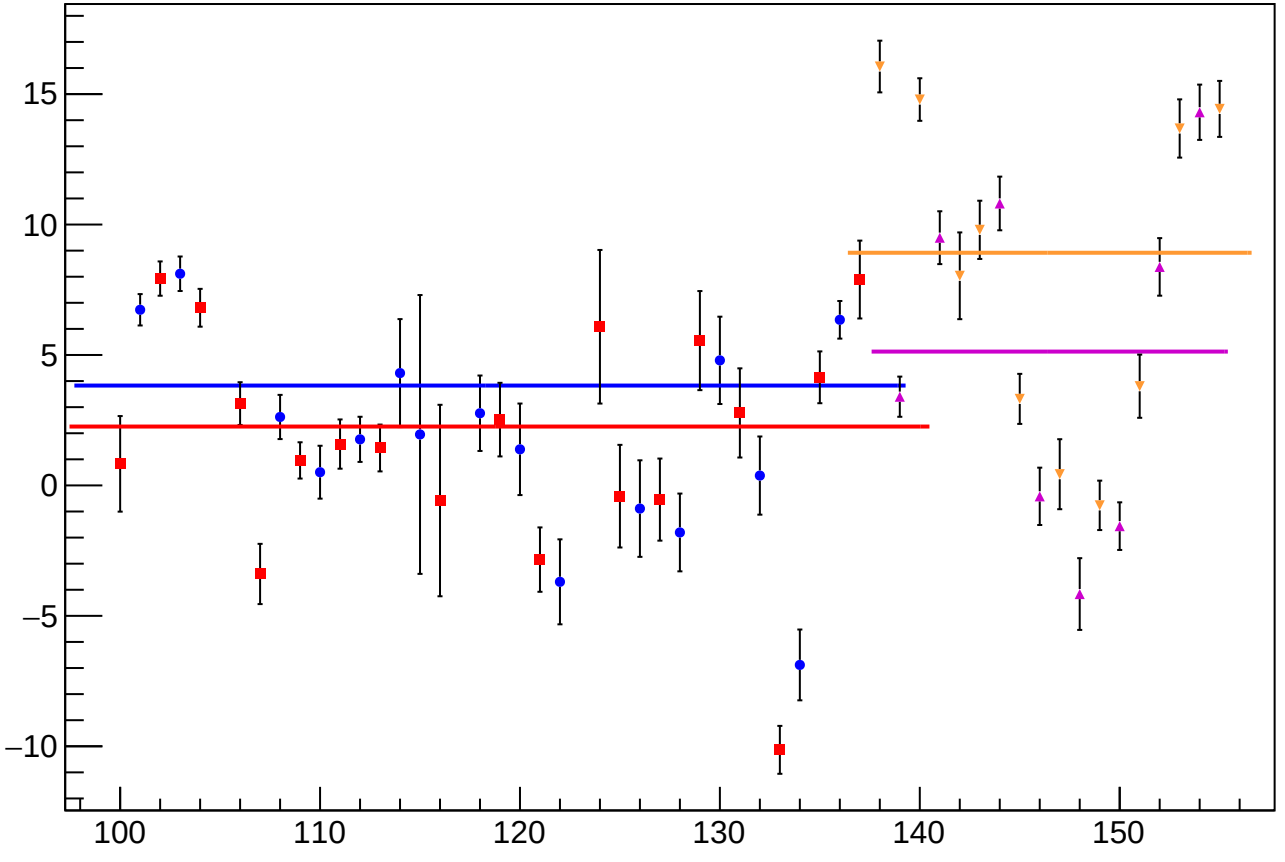
Left In: 59.769+/-0.269 χ^2/NDF:629.6/7

+ sign 60.616+/-0.179 χ^2/NDF: 1799.5/25

All: 60.036+/-0.127 χ^2/NDF: 3854.8/52

- sign 59.450+/-0.181 χ^2/NDF: 2034.3/26

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 8.919+/-0.337 χ^2/NDF:345.7/9

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

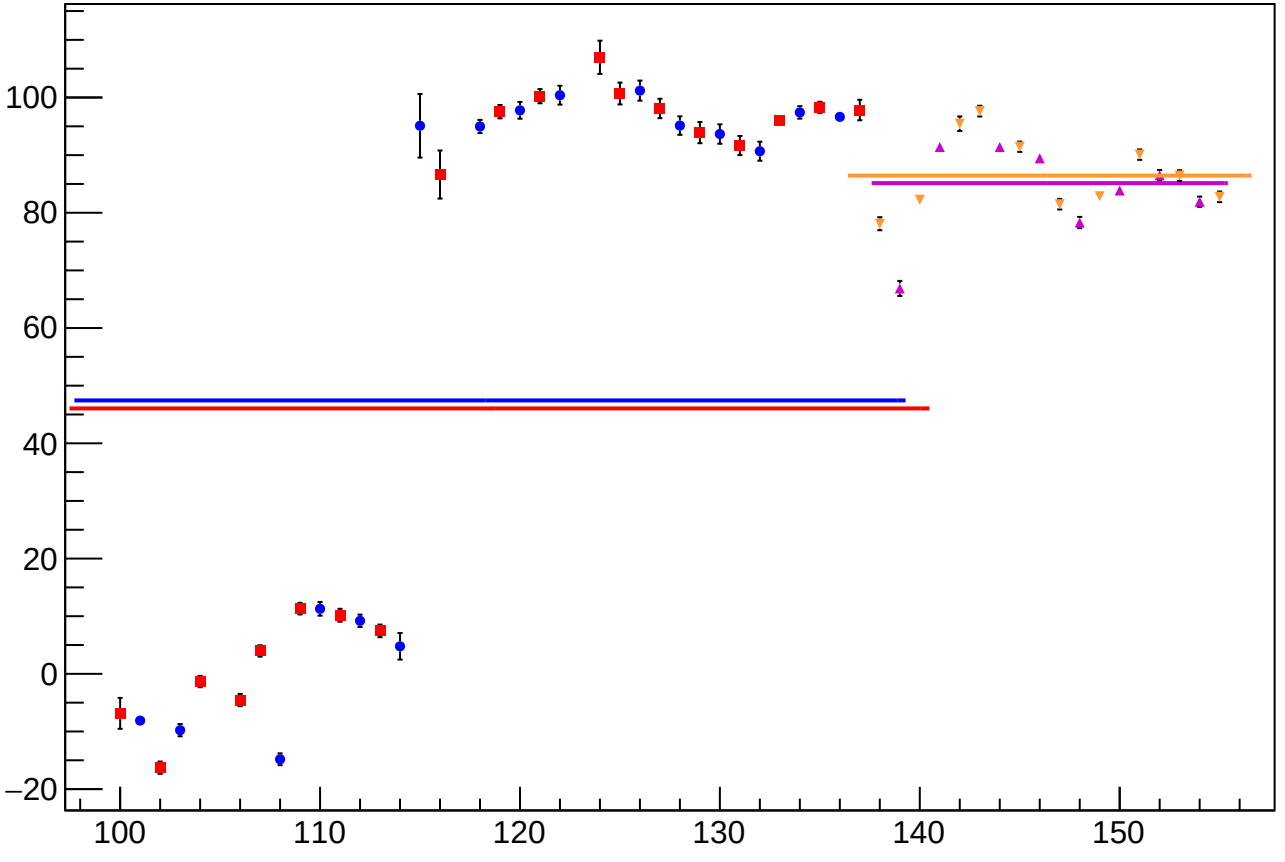
Left In: 5.130+/-0.356 χ^2/NDF:262.6/7

+ sign 5.774+/-0.208 χ^2/NDF: 695.1/25

All: 4.444+/-0.145 χ^2/NDF: 1452.8/52

- sign 3.187+/-0.203 χ^2/NDF: 678.5/26

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.453+/-0.292 χ^2/NDF:390.3/9

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

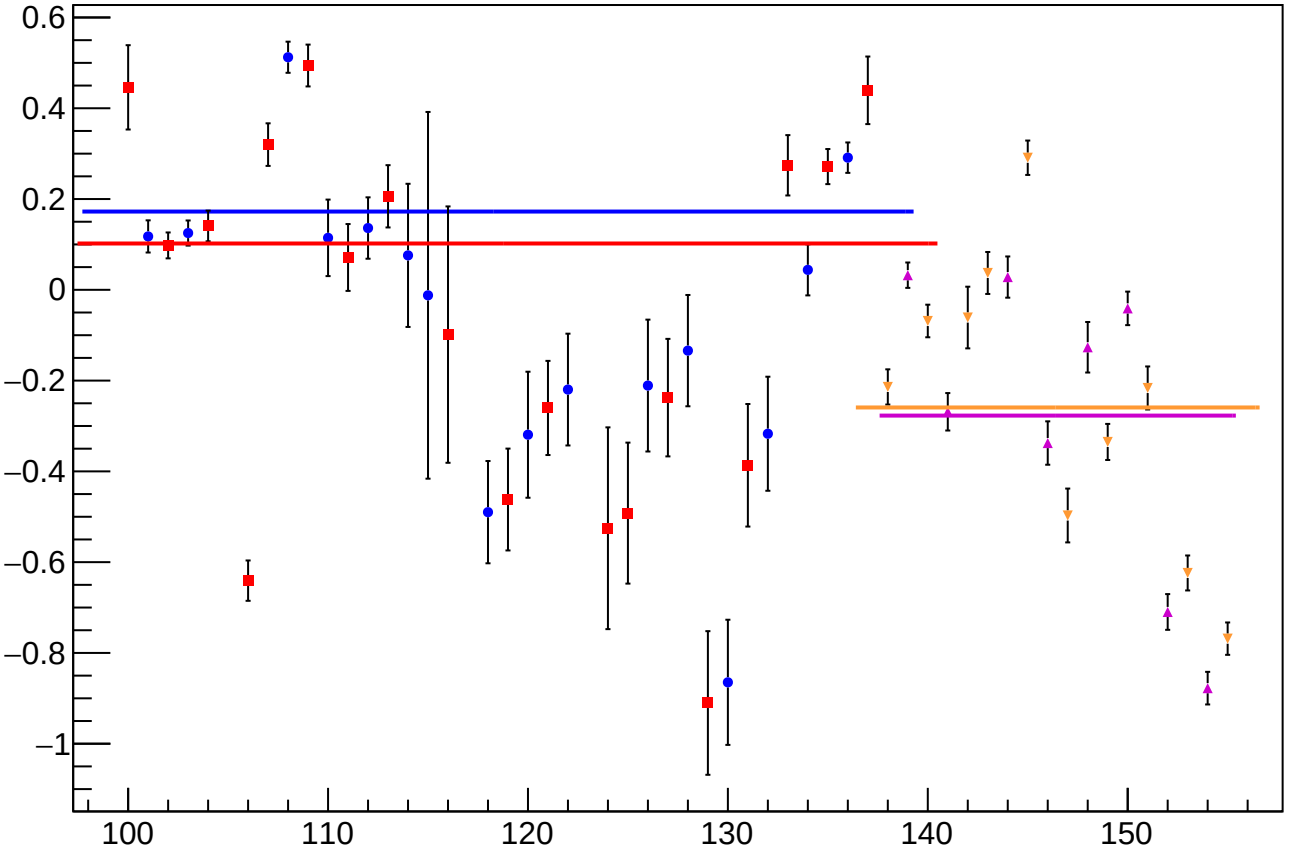
Left In: 85.144+/-0.319 χ^2/NDF:392.9/7

+ sign 68.006+/-0.212 χ^2/NDF: 35730.0/25

All: 65.689+/-0.150 χ^2/NDF: 73623.2/52

- sign 63.360+/-0.212 χ^2/NDF: 37653.3/26

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.259+/-0.013 χ^2/NDF:604.4/9

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

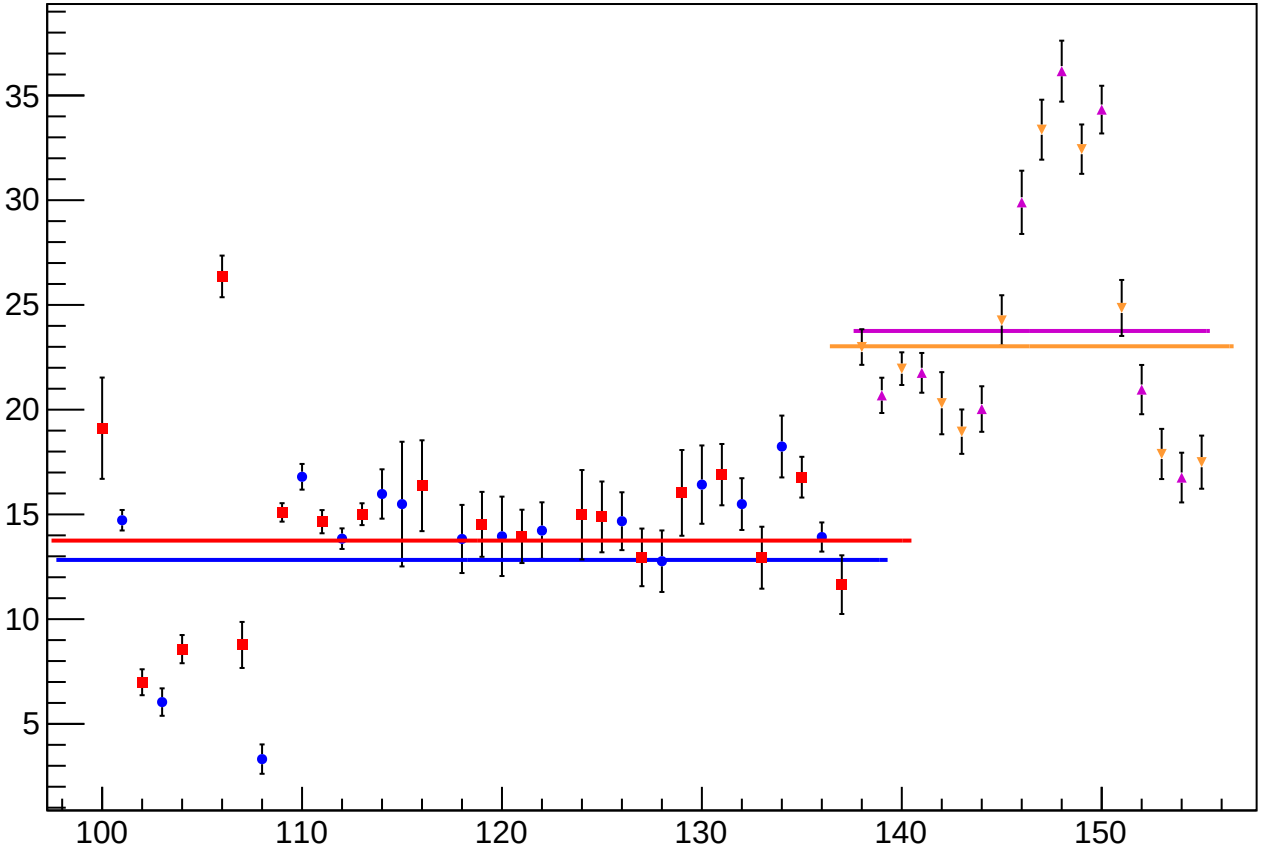
Left In: -0.277+/-0.014 χ^2/NDF:617.5/7

+ sign -0.057+/-0.010 χ^2/NDF: 1363.0/25

All: -0.070+/-0.007 χ^2/NDF: 2930.6/52

- sign -0.083+/-0.010 χ^2/NDF: 1563.8/26

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 23.026+/-0.350 χ^2/NDF:176.3/9

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

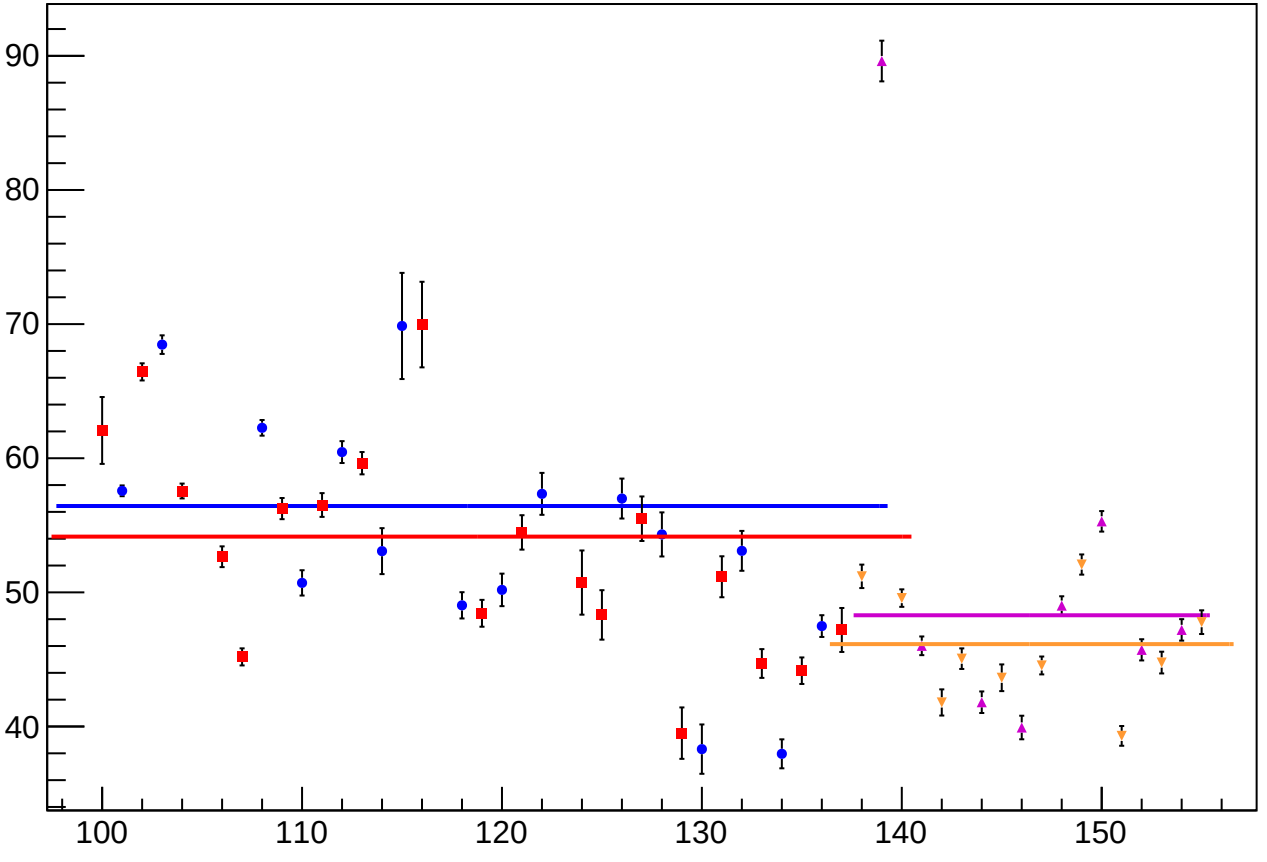
Left In: 23.757+/-0.393 χ^2/NDF:245.3/7

+ sign 15.600+/-0.183 χ^2/NDF: 1181.5/25

All: 15.740+/-0.129 χ^2/NDF: 2343.1/52

- sign 15.878+/-0.181 χ^2/NDF: 1160.4/26

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.142+/-0.249 χ^2/NDF:249.8/9

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

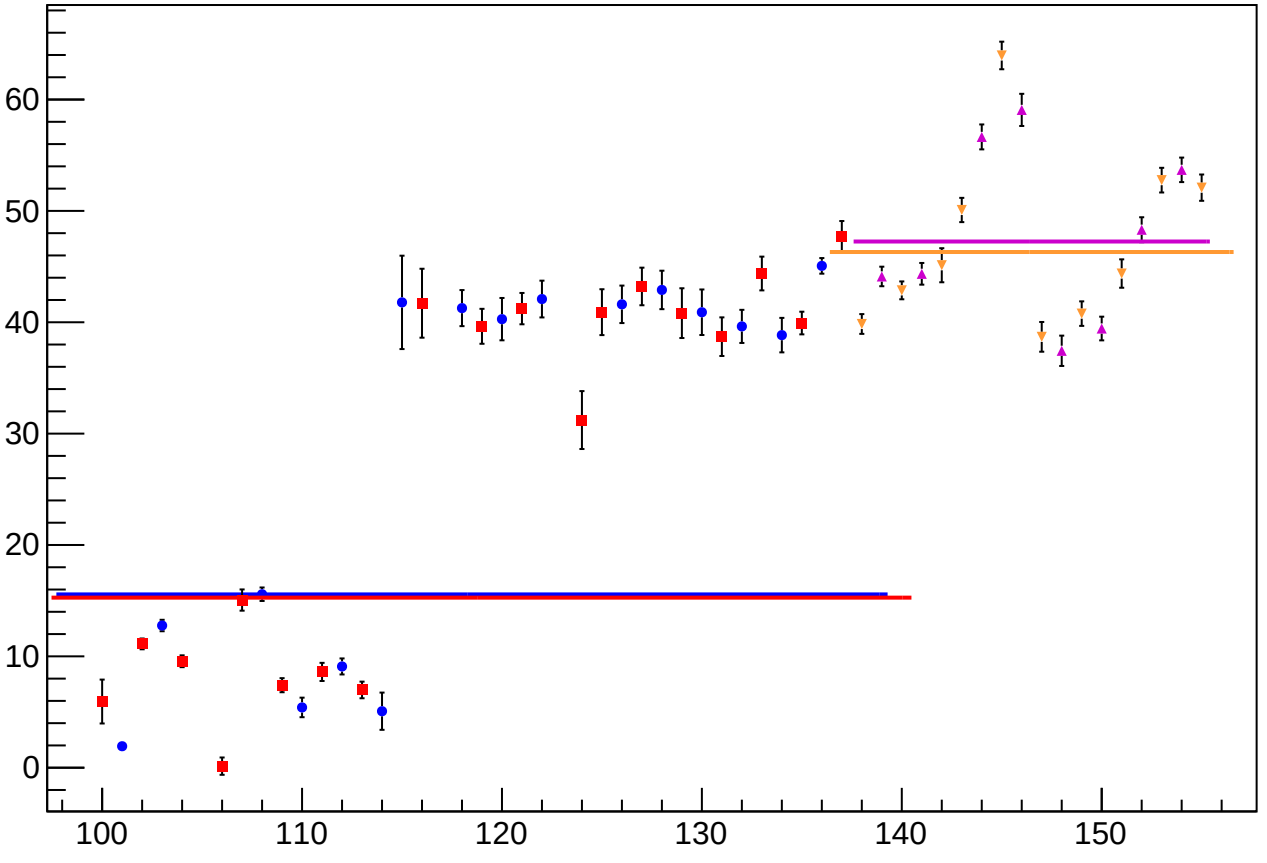
Left In: 48.292+/-0.285 χ^2/NDF:1005.6/7

+ sign 51.890+/-0.166 χ^2/NDF: 2289.4/25

All: 51.902+/-0.121 χ^2/NDF: 4562.4/52

- sign 51.915+/-0.176 χ^2/NDF: 2272.9/26

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 46.309+/-0.348 χ^2/NDF:405.1/9

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

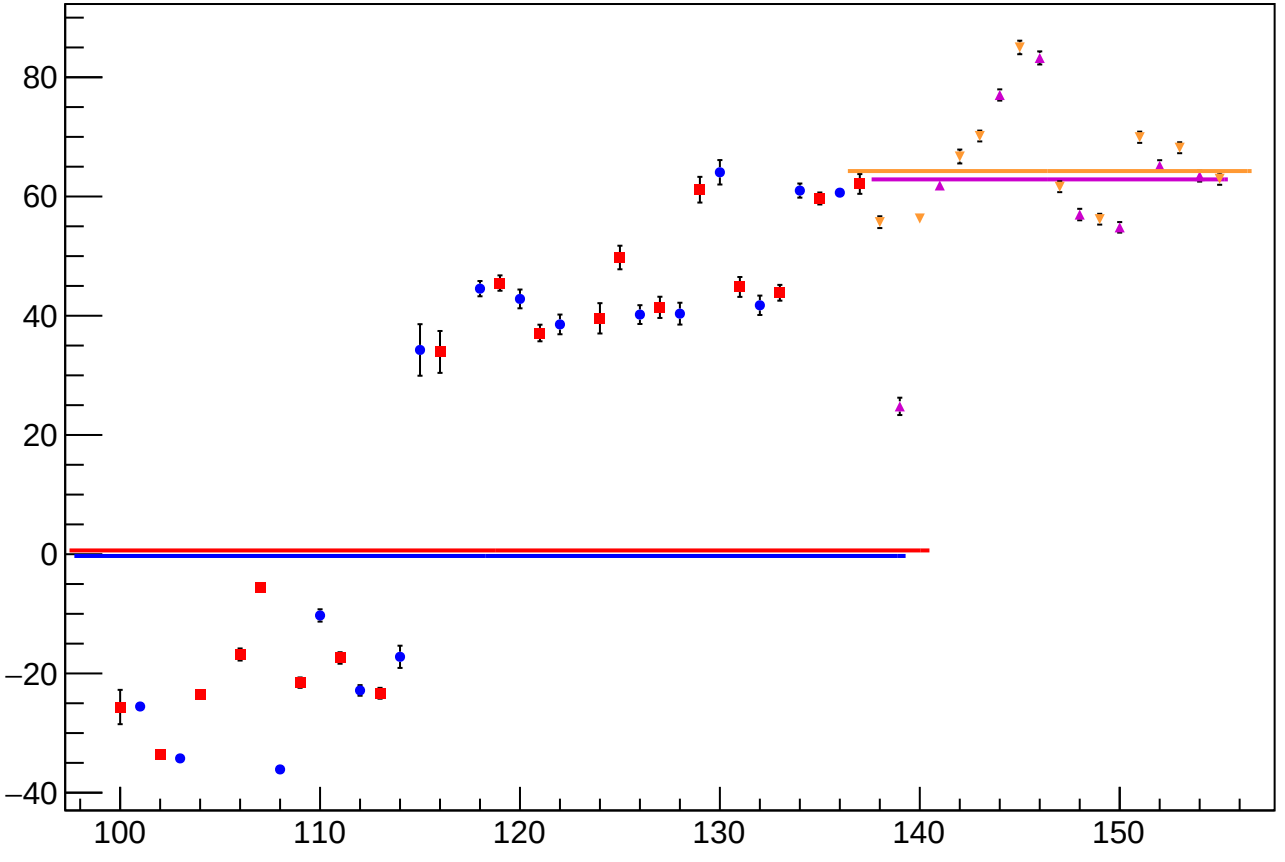
Left In: 47.251+/-0.387 χ^2/NDF:300.1/7

+ sign 24.013+/-0.182 χ^2/NDF: 11256.3/25

All: 23.547+/-0.132 χ^2/NDF: 20613.7/52

- sign 23.036+/-0.191 χ^2/NDF: 9343.7/26

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.267+/-0.300 χ^2/NDF:701.7/9

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

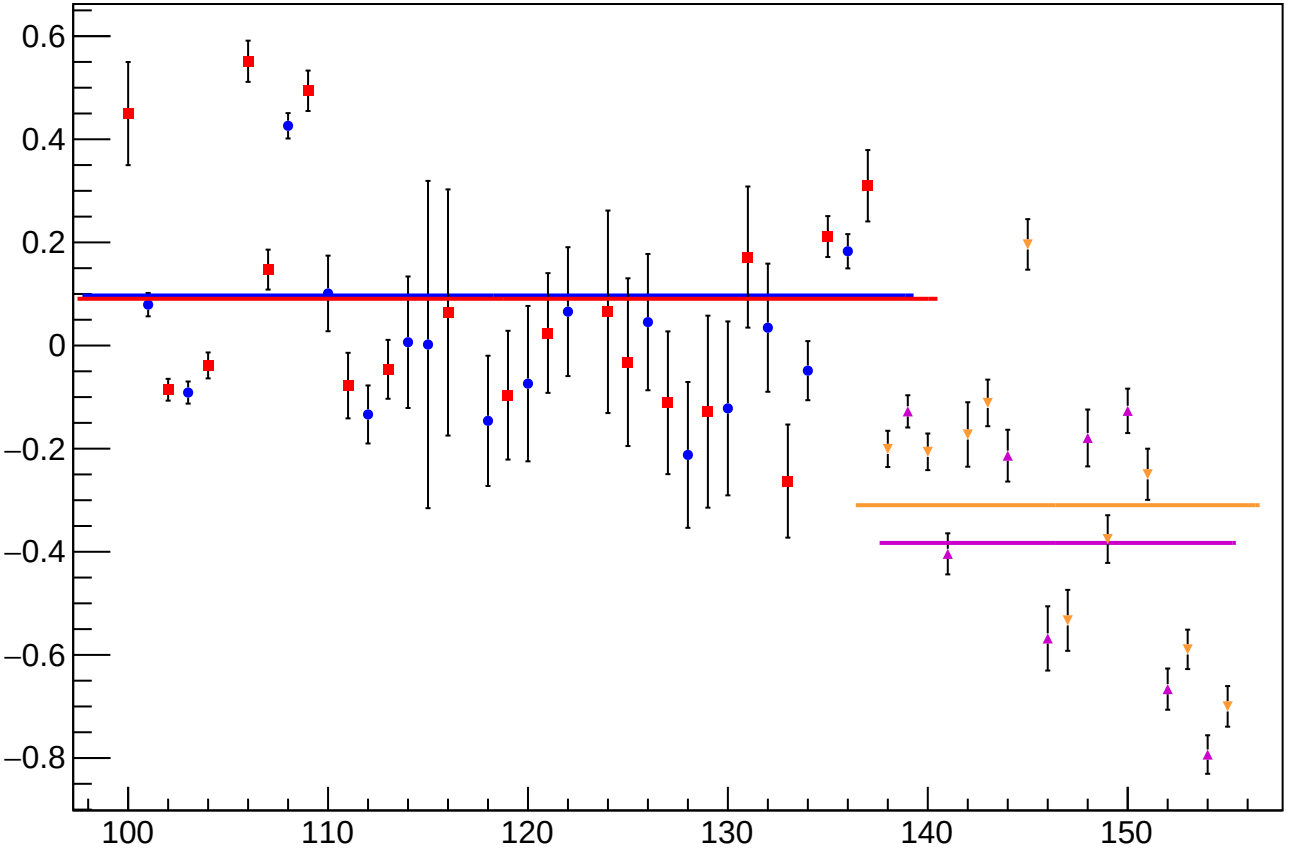
Left In: 62.868+/-0.341 χ^2/NDF:1382.1/7

+ sign 27.553+/-0.197 χ^2/NDF: 48046.1/25

All: 25.818+/-0.143 χ^2/NDF: 86435.5/52

- sign 23.874+/-0.209 χ^2/NDF: 38225.1/26

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.310+/-0.014 χ^2/NDF:318.1/9

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

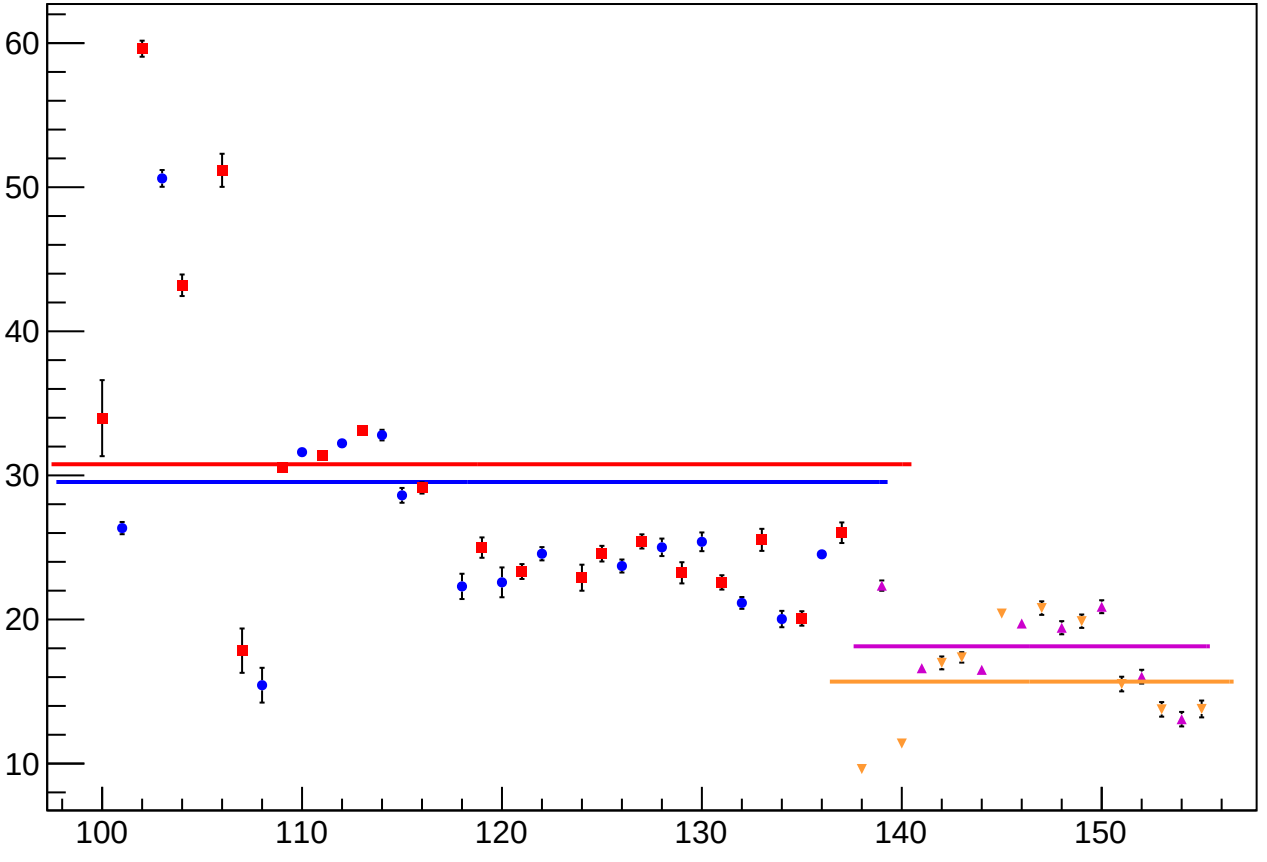
Left In: -0.383+/-0.015 χ^2/NDF:307.1/7

\+ sign -0.065+/-0.009 χ^2/NDF: 1140.2/25

All: -0.074+/-0.006 χ^2/NDF: 2487.5/52

\- sign -0.084+/-0.009 χ^2/NDF: 1344.9/26

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.689+/-0.121 χ^2/NDF:1135.9/9

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

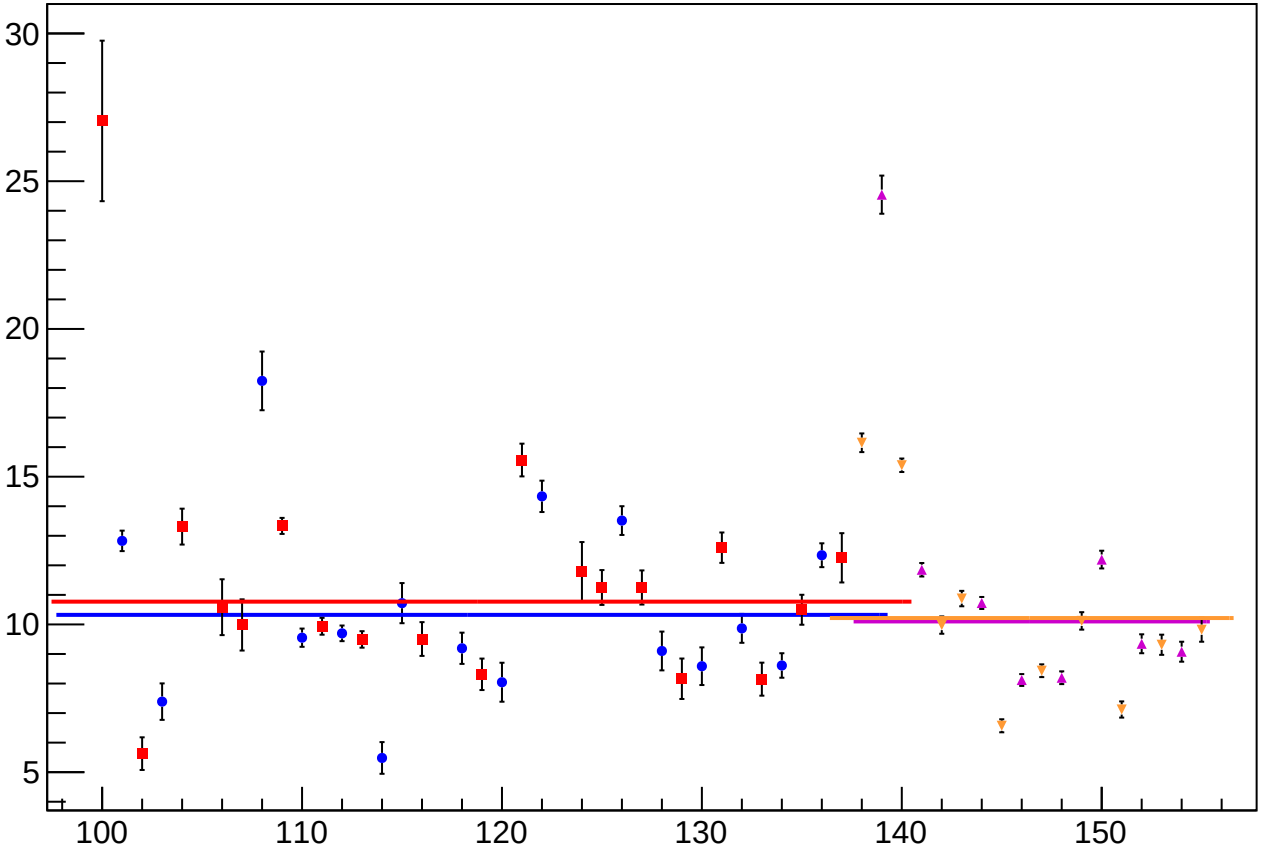
Left In: 18.138+/-0.132 χ^2/NDF:383.8/7

+ sign 24.474+/-0.073 χ^2/NDF: 12810.0/25

All: 26.017+/-0.050 χ^2/NDF: 25806.9/52

- sign 27.366+/-0.068 χ^2/NDF: 12165.2/26

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.216+/-0.085 χ^2/NDF:1349.6/9

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

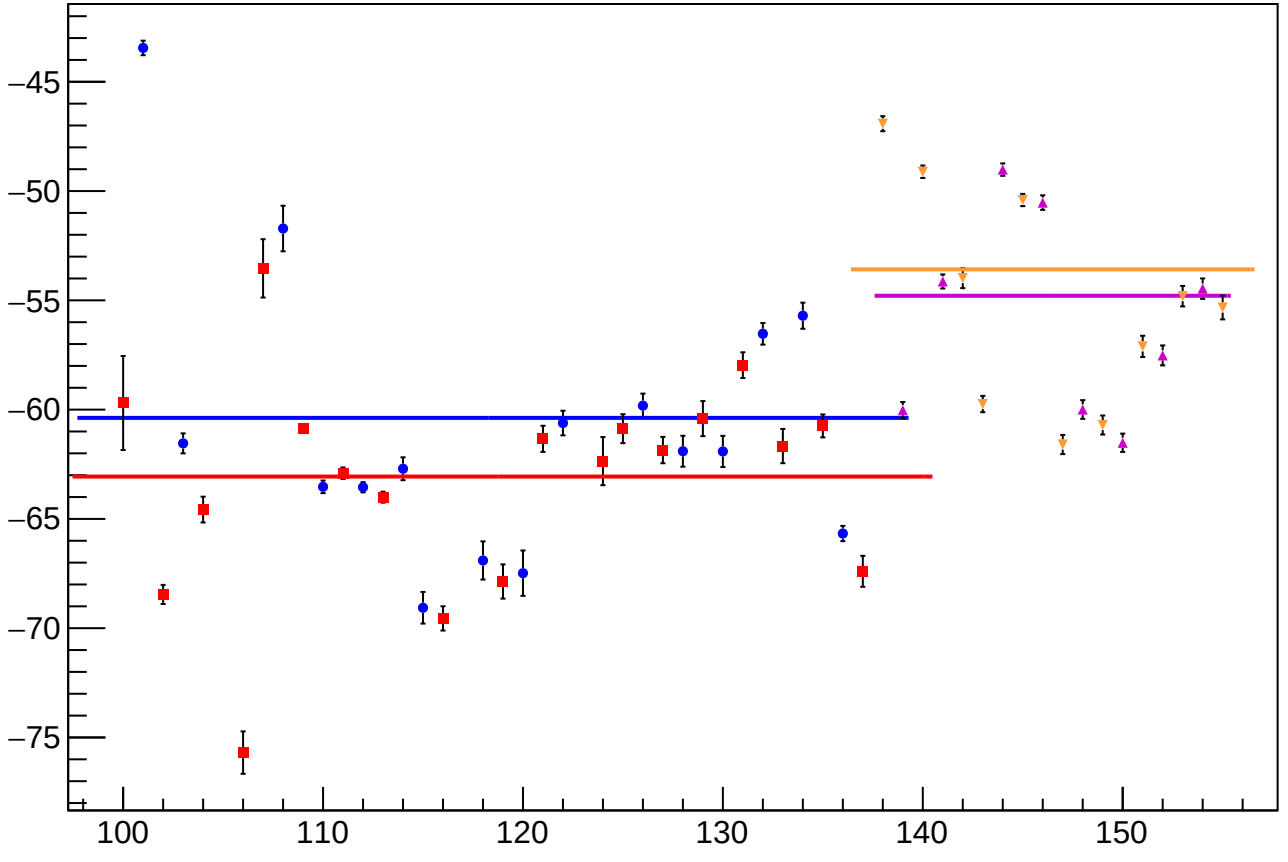
Left In: 10.101+/-0.091 χ^2/NDF:808.1/7

+ sign 10.255+/-0.068 χ^2/NDF: 1752.8/25

All: 10.308+/-0.049 χ^2/NDF: 2999.3/52

- sign 10.364+/-0.071 χ^2/NDF: 1245.2/26

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.583+/-0.121 χ^2/NDF:1694.8/9

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

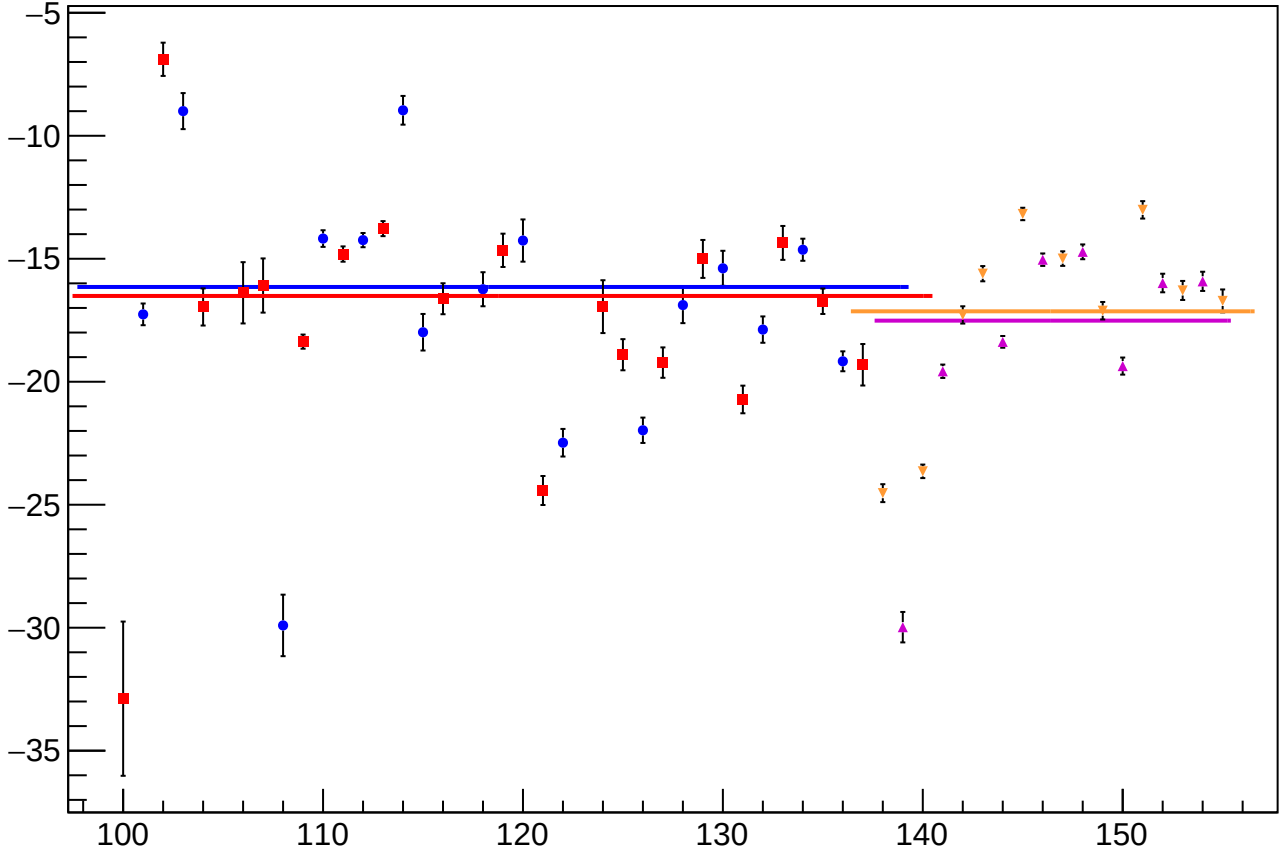
Left In: -54.790+/-0.130 χ^2/NDF:1218.8/7

+ sign -57.219+/-0.083 χ^2/NDF: 6973.0/25

All: -58.469+/-0.059 χ^2/NDF: 11893.6/52

- sign -59.725+/-0.083 χ^2/NDF: 4462.2/26

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.137+/-0.103 χ^2/NDF:1434.9/9

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

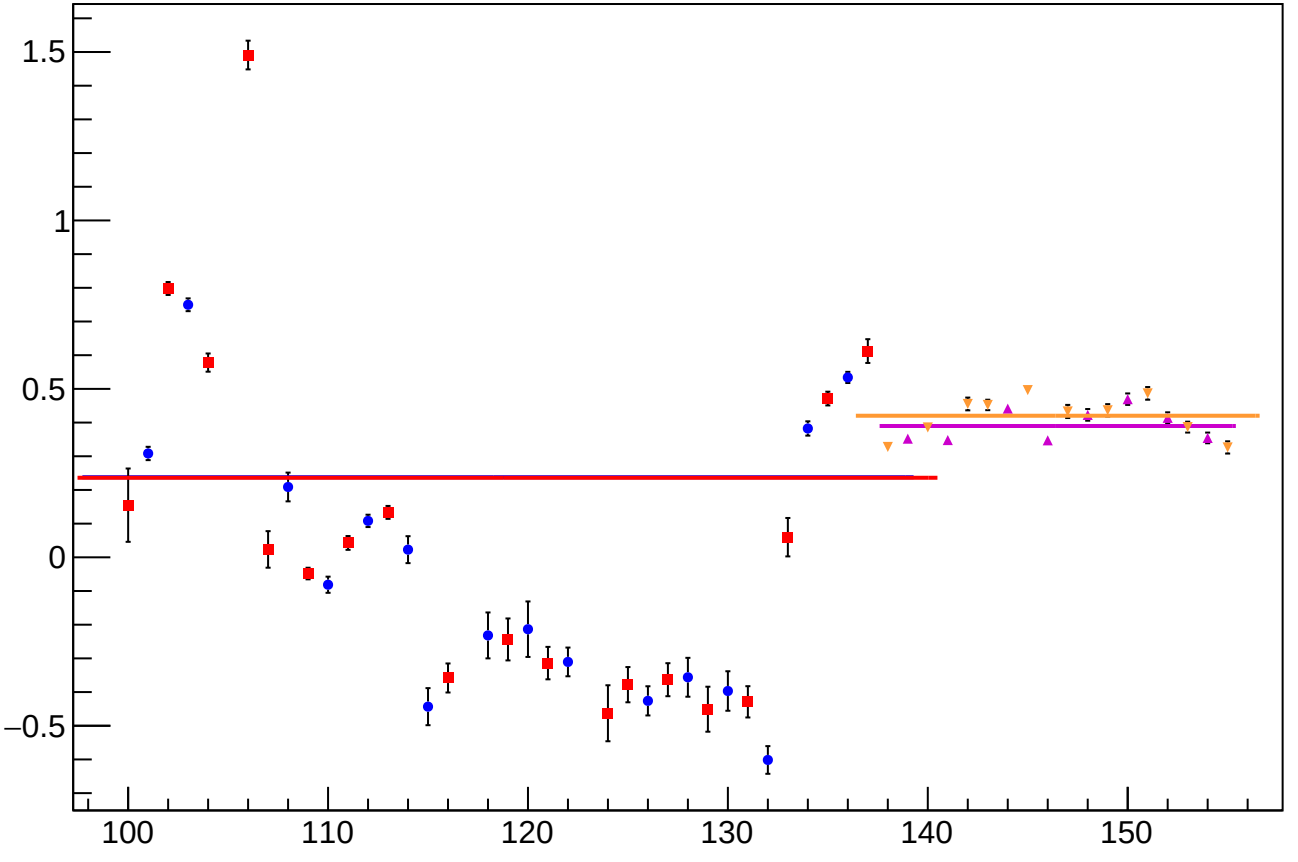
Left In: -17.516+/-0.110 χ^2/NDF:719.0/7

+ sign -16.743+/-0.080 χ^2/NDF: 2268.4/25

All: -16.904+/-0.058 χ^2/NDF: 3716.8/52

- sign -17.075+/-0.083 χ^2/NDF: 1440.0/26

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.420+/-0.005 χ^2/NDF:151.3/9

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

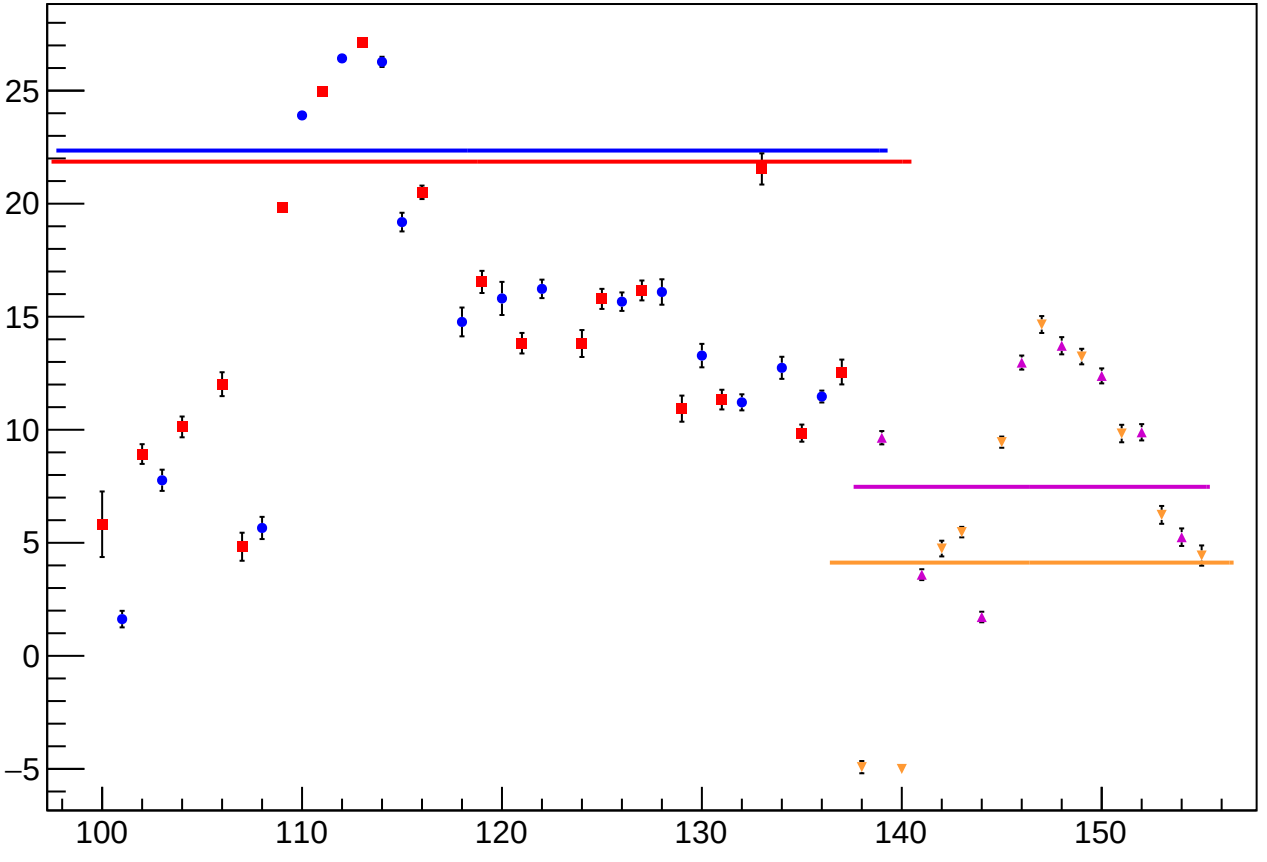
Left In: 0.390+/-0.005 χ^2/NDF:76.1/7

+ sign 0.361+/-0.004 χ^2/NDF: 3235.2/25

All: 0.349+/-0.003 χ^2/NDF: 7230.2/52

- sign 0.336+/-0.004 χ^2/NDF: 3976.5/26

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.124+/-0.094 χ^2/NDF:5175.1/9

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

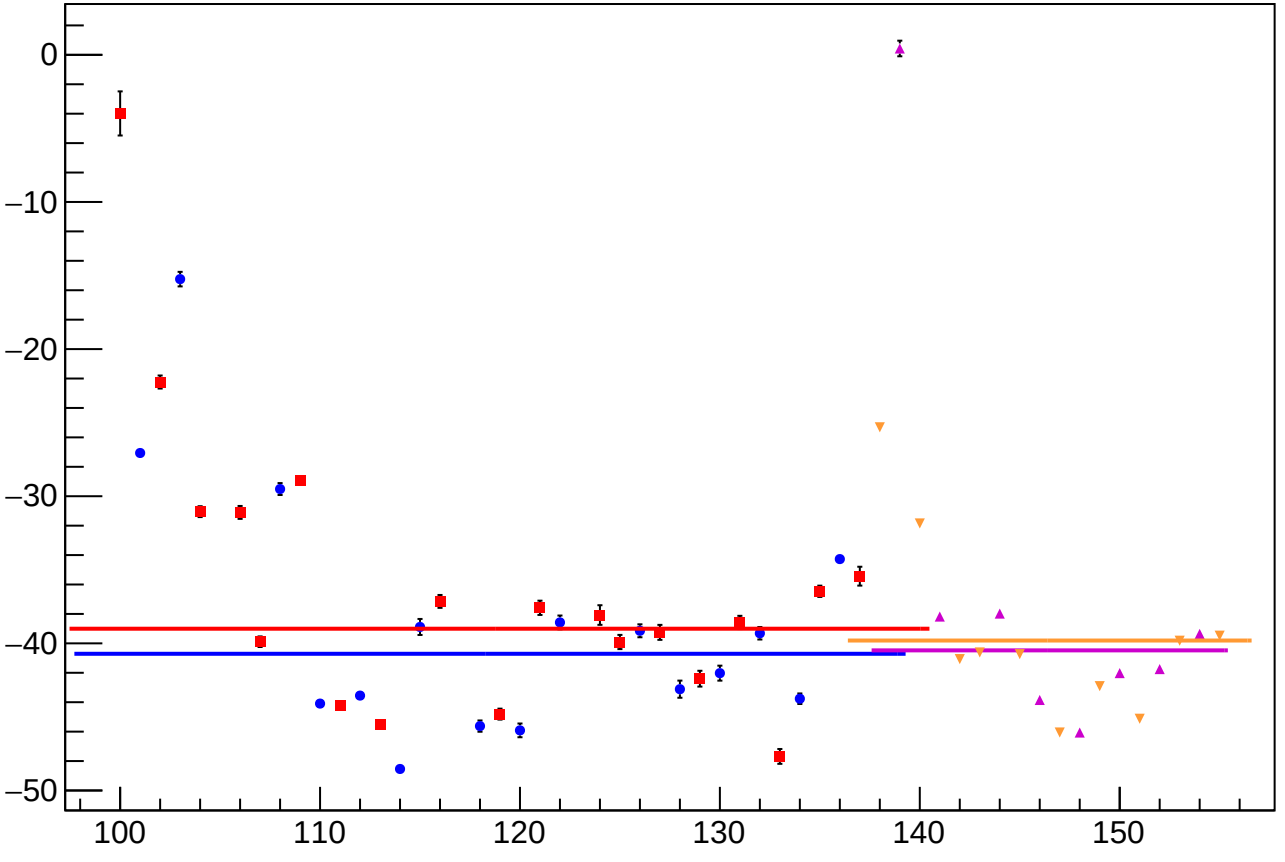
Left In: 7.477+/-0.107 χ^2/NDF:1801.6/7

+ sign 17.534+/-0.049 χ^2/NDF: 44955.7/25

All: 18.694+/-0.032 χ^2/NDF: 73742.0/52

- sign 19.583+/-0.042 χ^2/NDF: 27776.6/26

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.808+/-0.066 χ^2/NDF:7309.6/9

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

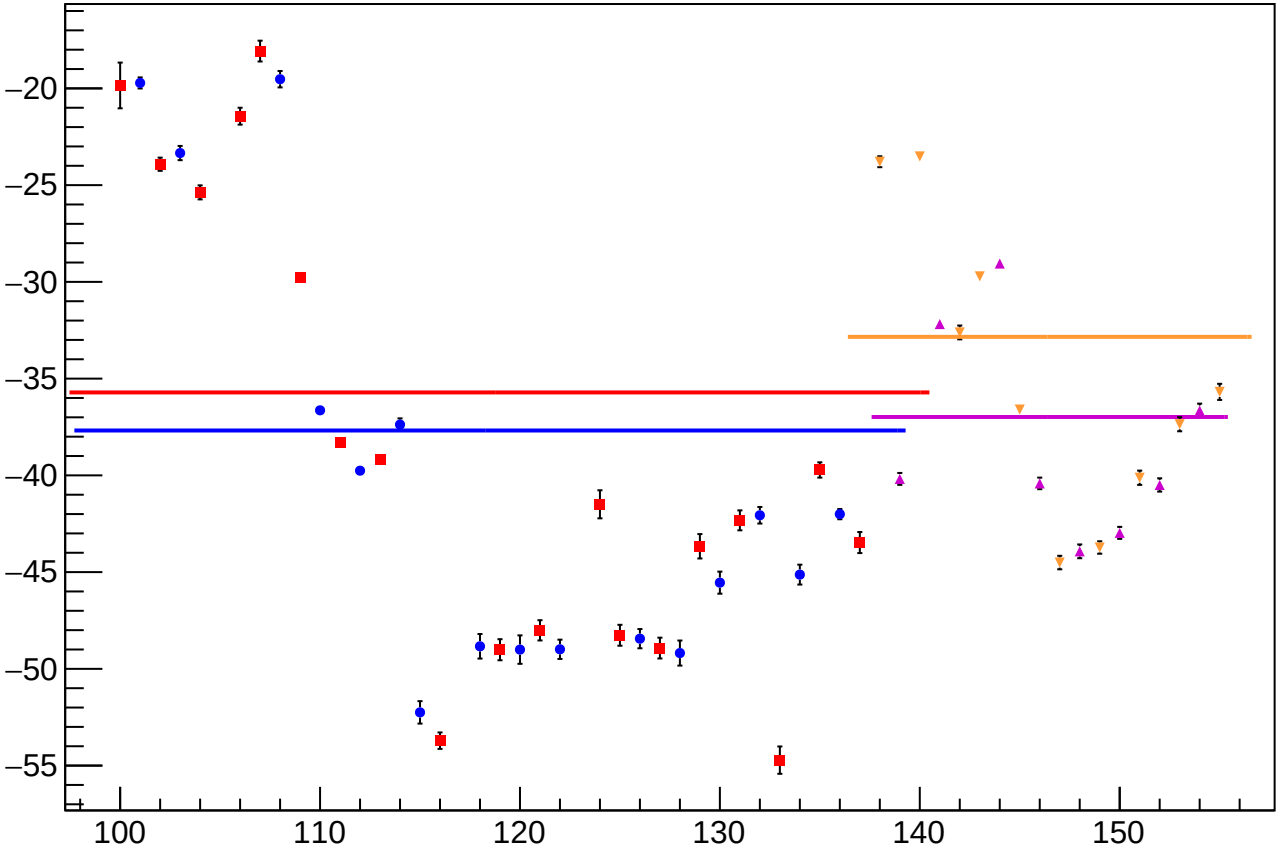
Left In: -40.477+/-0.074 χ^2/NDF:7696.4/7

+ sign -40.195+/-0.050 χ^2/NDF: 15169.1/25

All: -39.958+/-0.036 χ^2/NDF: 33218.1/52

- sign -39.709+/-0.051 χ^2/NDF: 18003.0/26

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.841+/-0.094 χ^2/NDF:6063.9/9

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

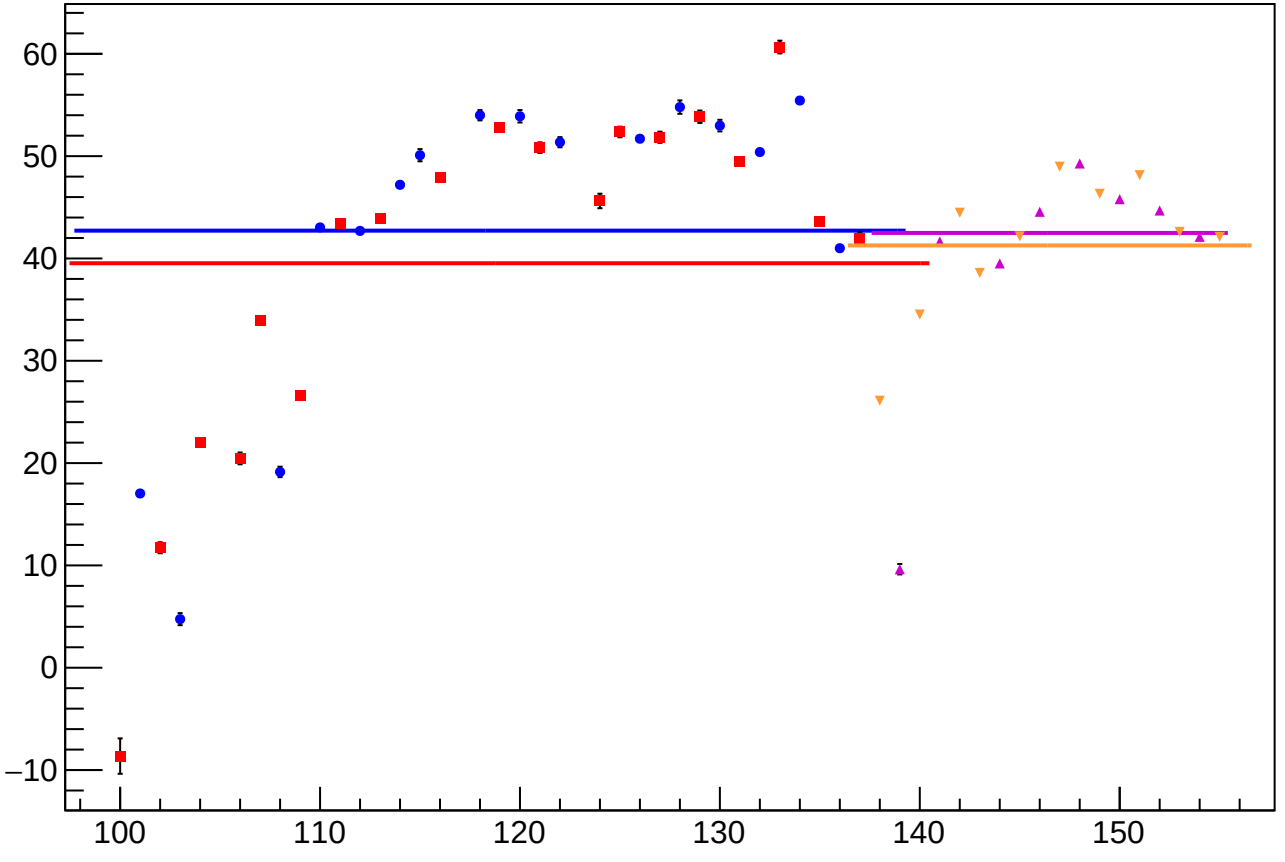
Left In: -36.983+/-0.105 χ^2/NDF:2567.1/7

+ sign -35.845+/-0.058 χ^2/NDF: 18551.4/25

All: -35.958+/-0.040 χ^2/NDF: 34505.7/52

- sign -36.058+/-0.055 χ^2/NDF: 15947.3/26

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.274+/-0.080 χ^2/NDF:5977.2/9

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

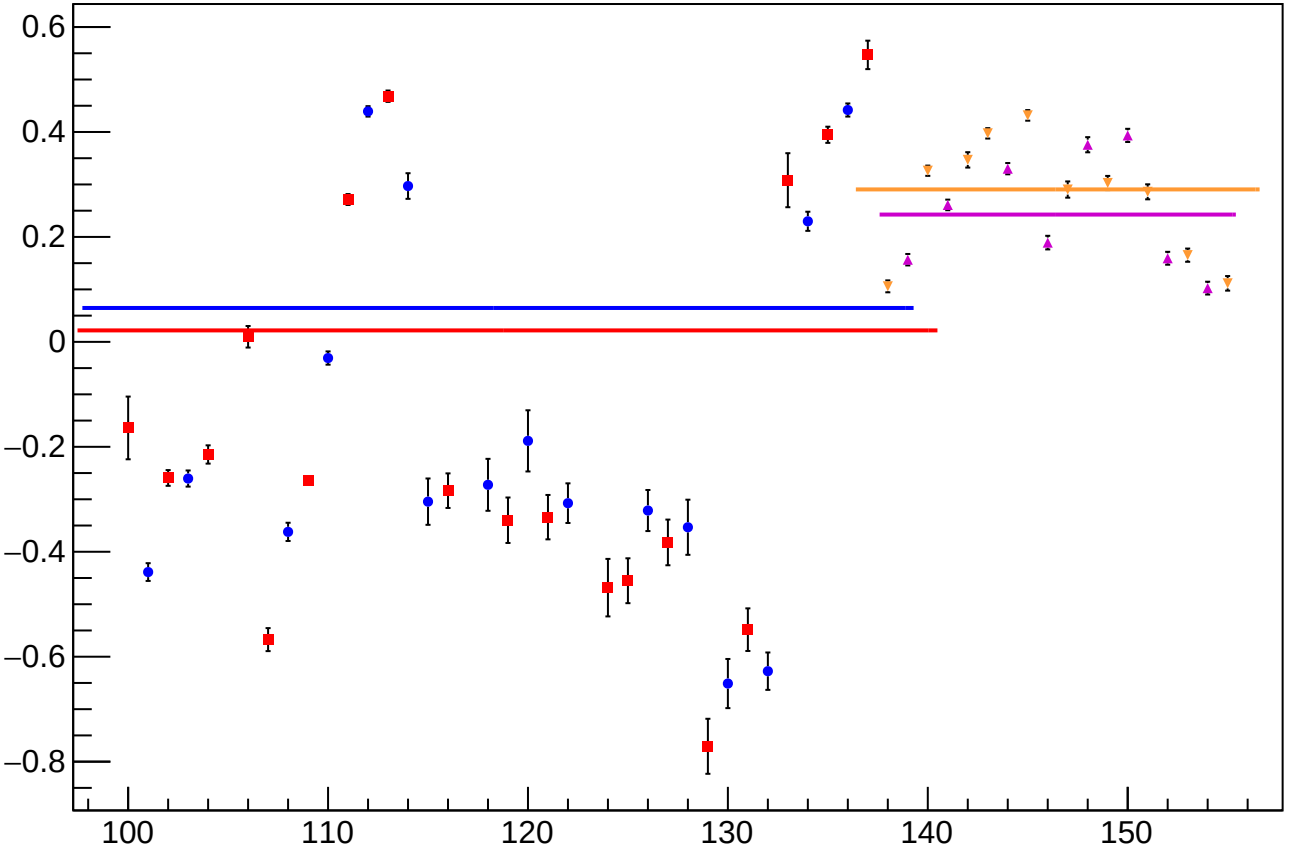
Left In: 42.494+/-0.090 χ^2/NDF:5440.1/7

+ sign 41.954+/-0.058 χ^2/NDF: 20894.6/25

All: 41.388+/-0.041 χ^2/NDF: 45122.1/52

- sign 40.812+/-0.059 χ^2/NDF: 24037.8/26

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.291+/-0.004 χ^2/NDF:868.0/9

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

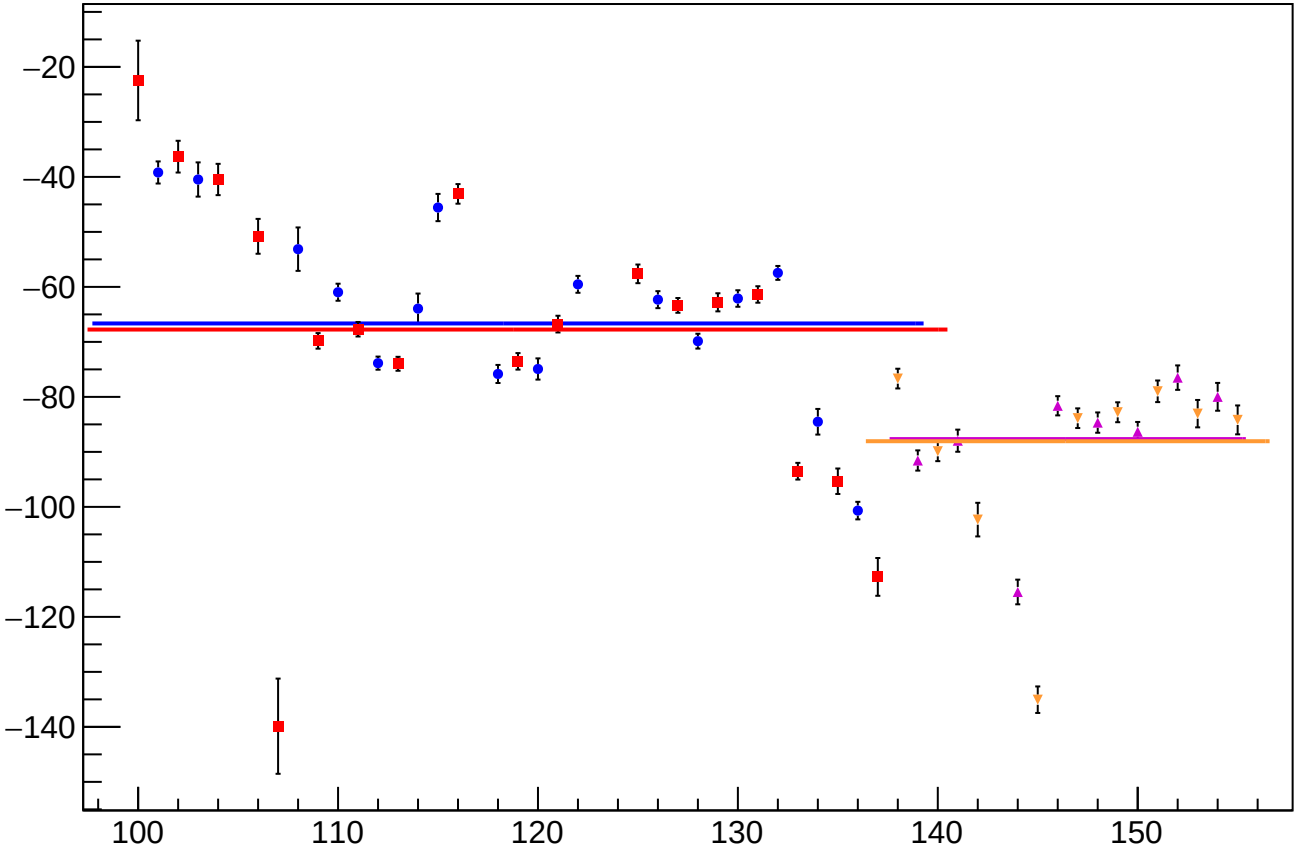
Left In: 0.243+/-0.004 χ^2/NDF:554.6/7

+ sign 0.204+/-0.003 χ^2/NDF: 7709.4/25

All: 0.171+/-0.002 χ^2/NDF: 16240.4/52

- sign 0.138+/-0.003 χ^2/NDF: 8287.0/26

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -88.060+/-0.693 χ^2/NDF:484.6/8

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

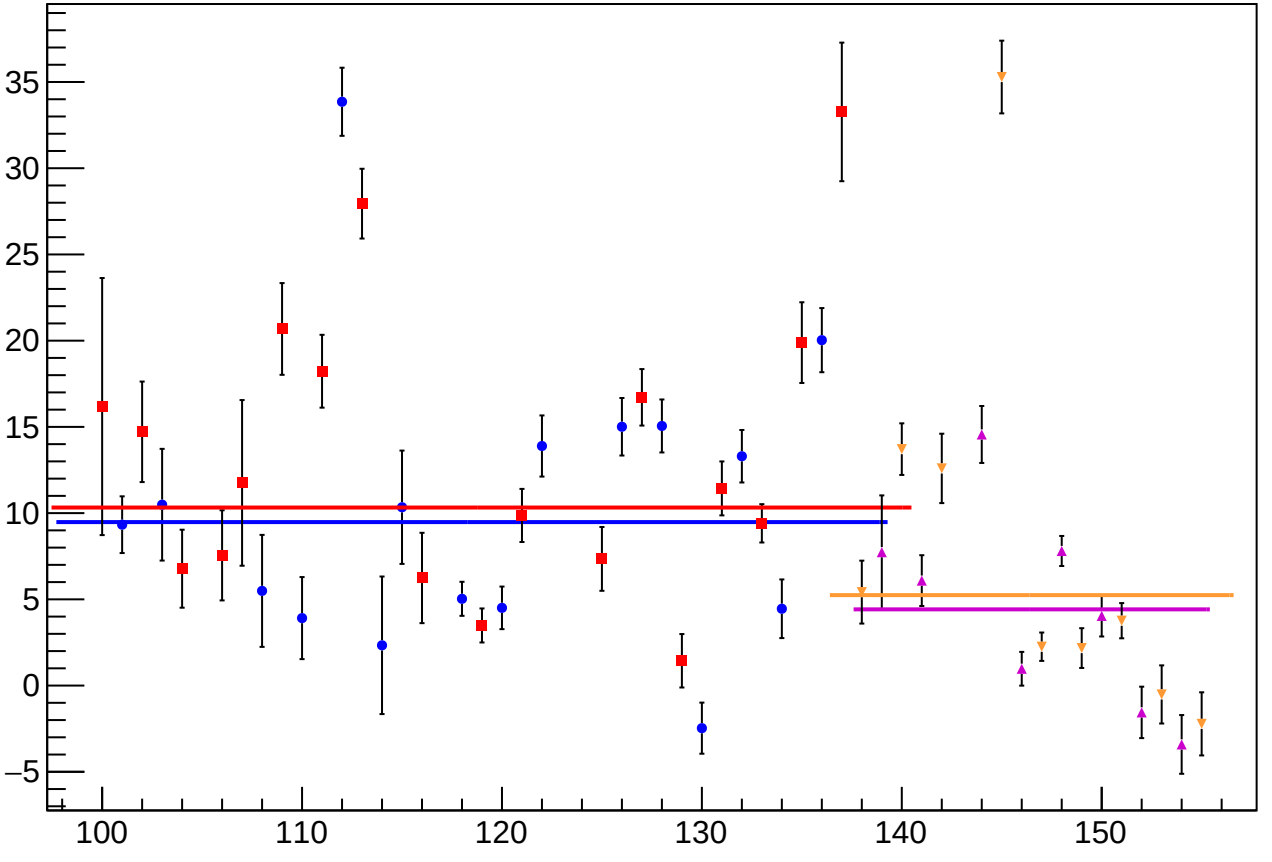
Left In: -87.673+/-0.701 χ^2/NDF:207.8/7

+ sign -72.522+/-0.363 χ^2/NDF: 2229.7/24

All: -72.767+/-0.256 χ^2/NDF: 4288.4/50

- sign -73.008+/-0.360 χ^2/NDF: 2057.8/25

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 5.245+/-0.445 χ^2/NDF:299.2/8

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

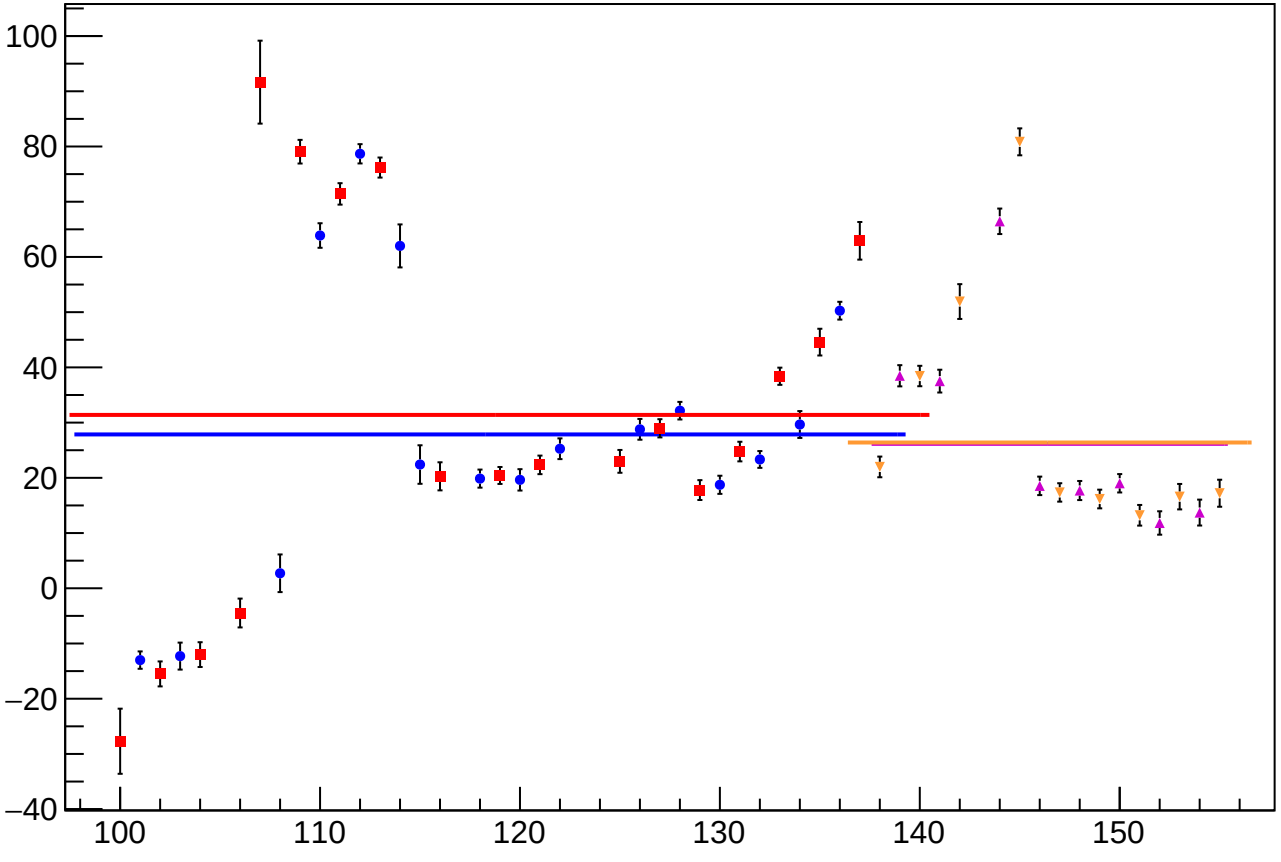
Left In: 4.419+/-0.458 χ^2/NDF:104.8/7

+ sign 7.442+/-0.308 χ^2/NDF: 688.2/24

All: 7.479+/-0.221 χ^2/NDF: 1143.8/50

- sign 7.517+/-0.316 χ^2/NDF: 455.5/25

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 26.397+/-0.675 χ^2/NDF:759.3/8

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

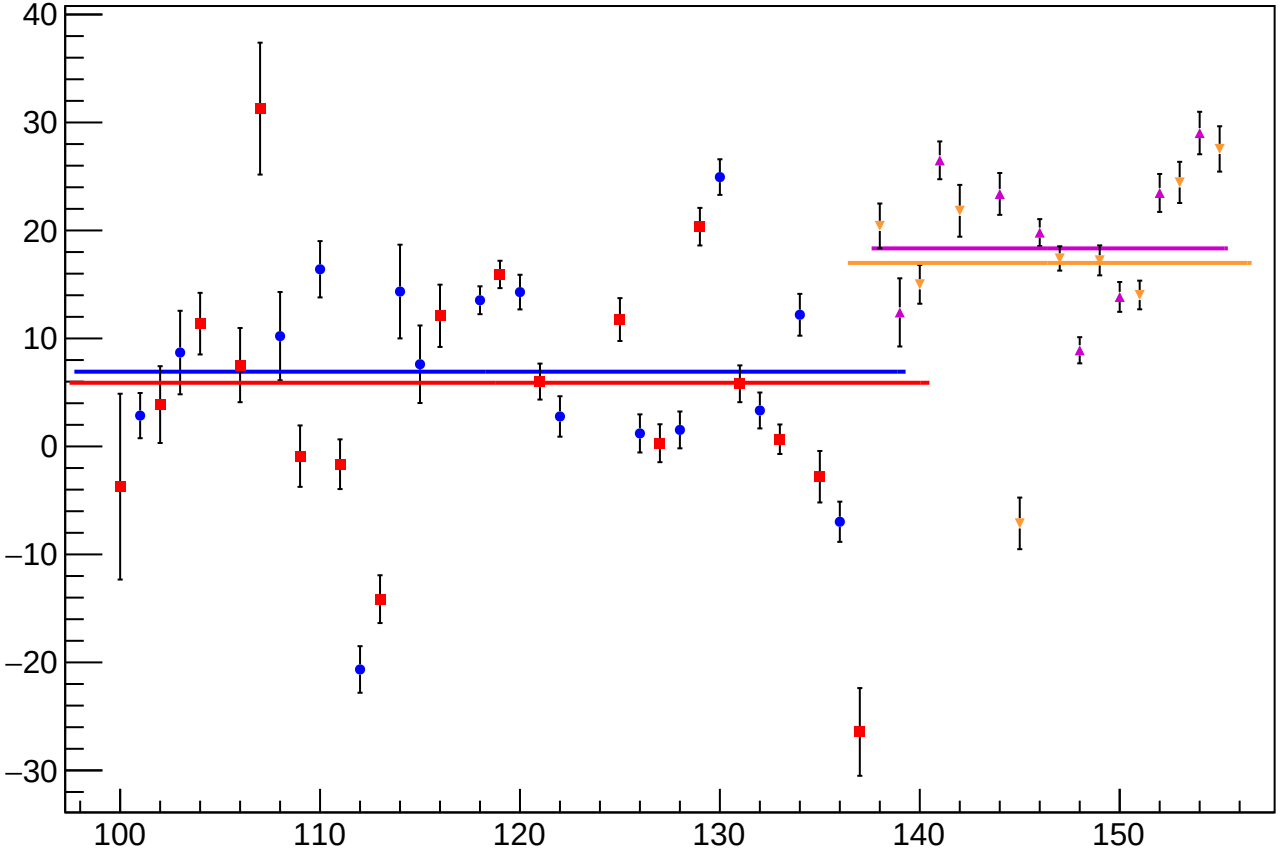
Left In: 26.153+/-0.682 χ^2/NDF:513.1/7

\+ sign 27.365+/-0.392 χ^2/NDF: 3236.4/24

All: 28.481+/-0.279 χ^2/NDF: 6816.3/50

\- sign 29.621+/-0.397 χ^2/NDF: 3563.6/25

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 16.994+/-0.553 χ^2/NDF:155.5/8

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

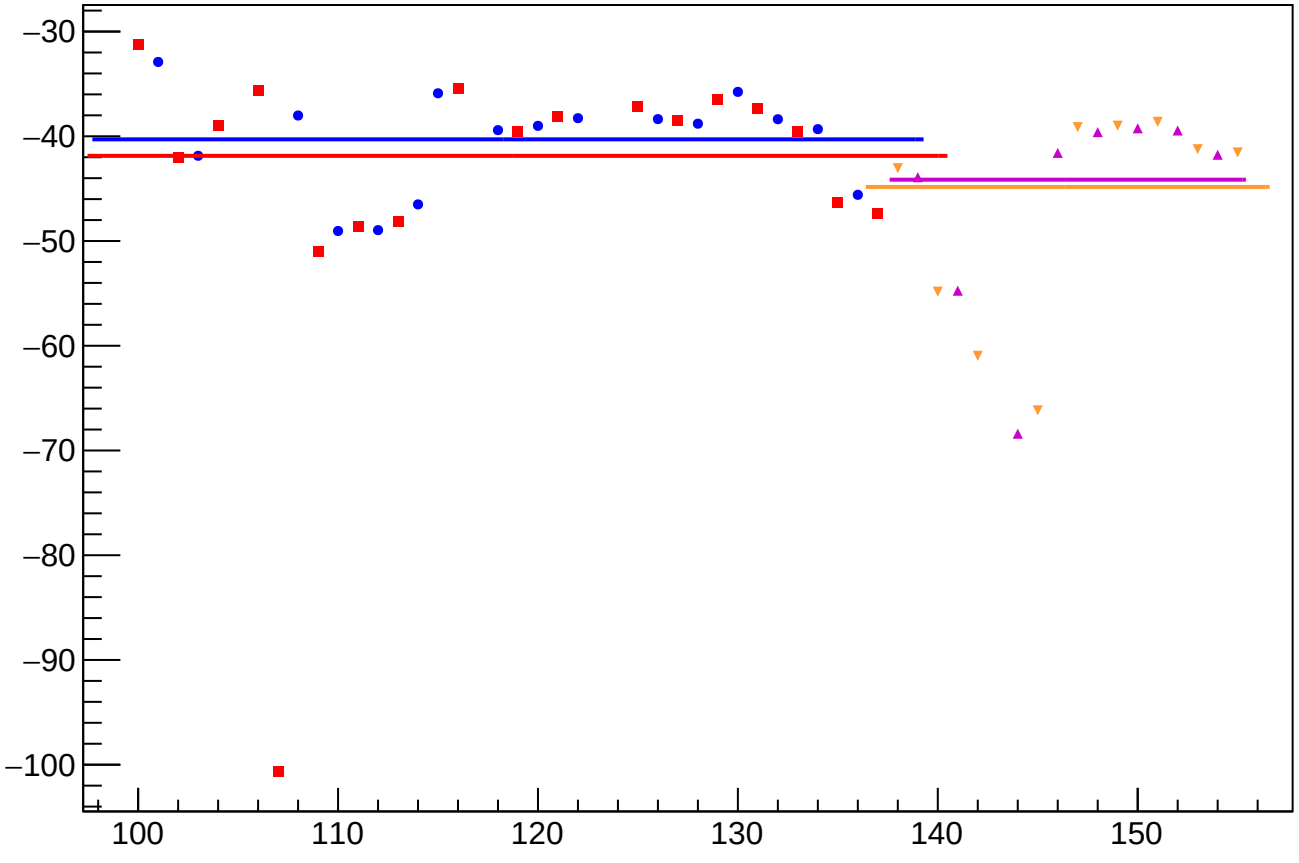
Left In: 18.339+/-0.566 χ^2/NDF:142.6/7

+ sign 11.406+/-0.369 χ^2/NDF: 783.8/24

All: 11.389+/-0.263 χ^2/NDF: 1564.7/50

- sign 11.372+/-0.375 χ^2/NDF: 781.0/25

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -44.837+/-0.027 χ^2/NDF:103490.8/8

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

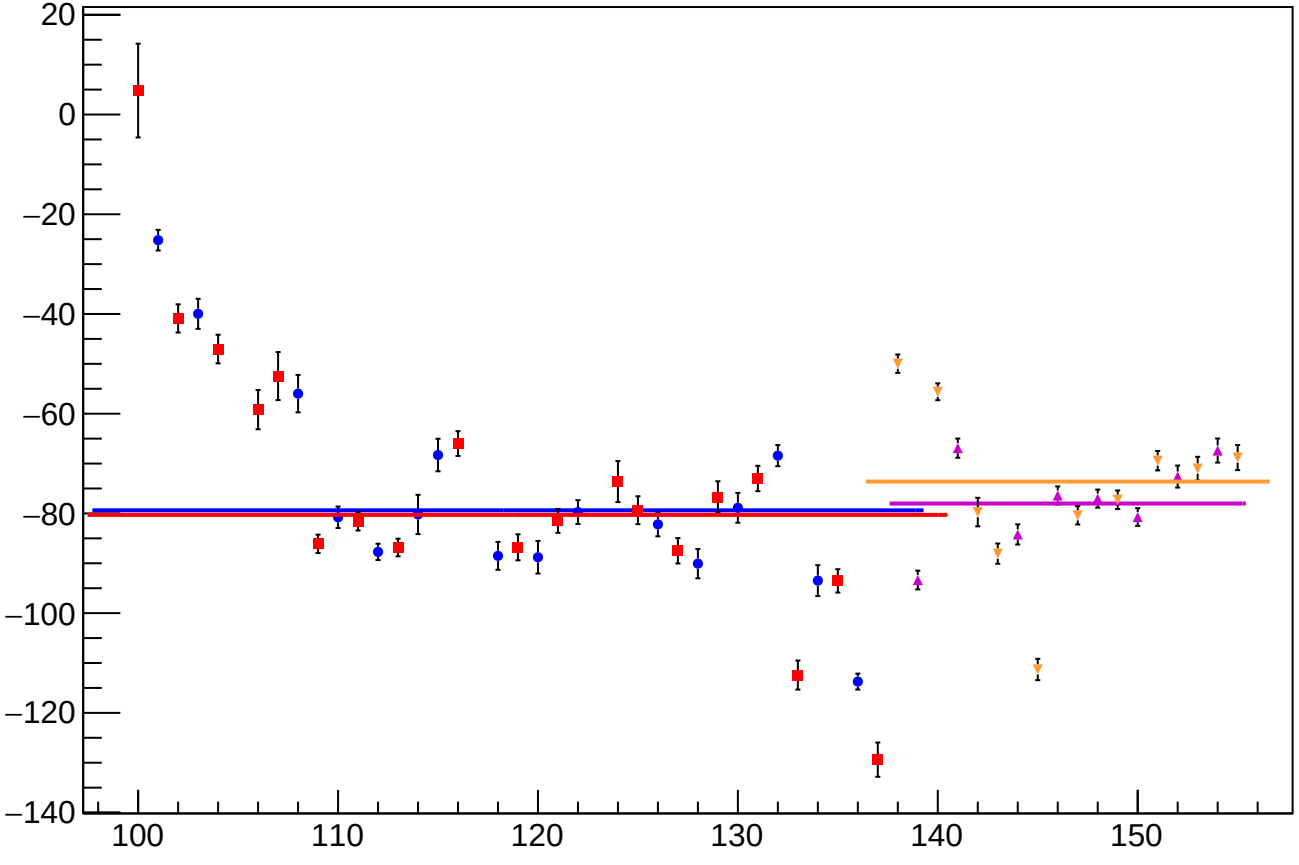
Left In: -44.143+/-0.027 χ^2/NDF:85876.5/7

+ sign -42.903+/-0.020 χ^2/NDF: 136182.5/24

All: -43.056+/-0.015 χ^2/NDF: 283869.6/50

- sign -43.210+/-0.021 χ^2/NDF: 147575.5/25

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.614+/-0.644 χ^2/NDF:669.6/9

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

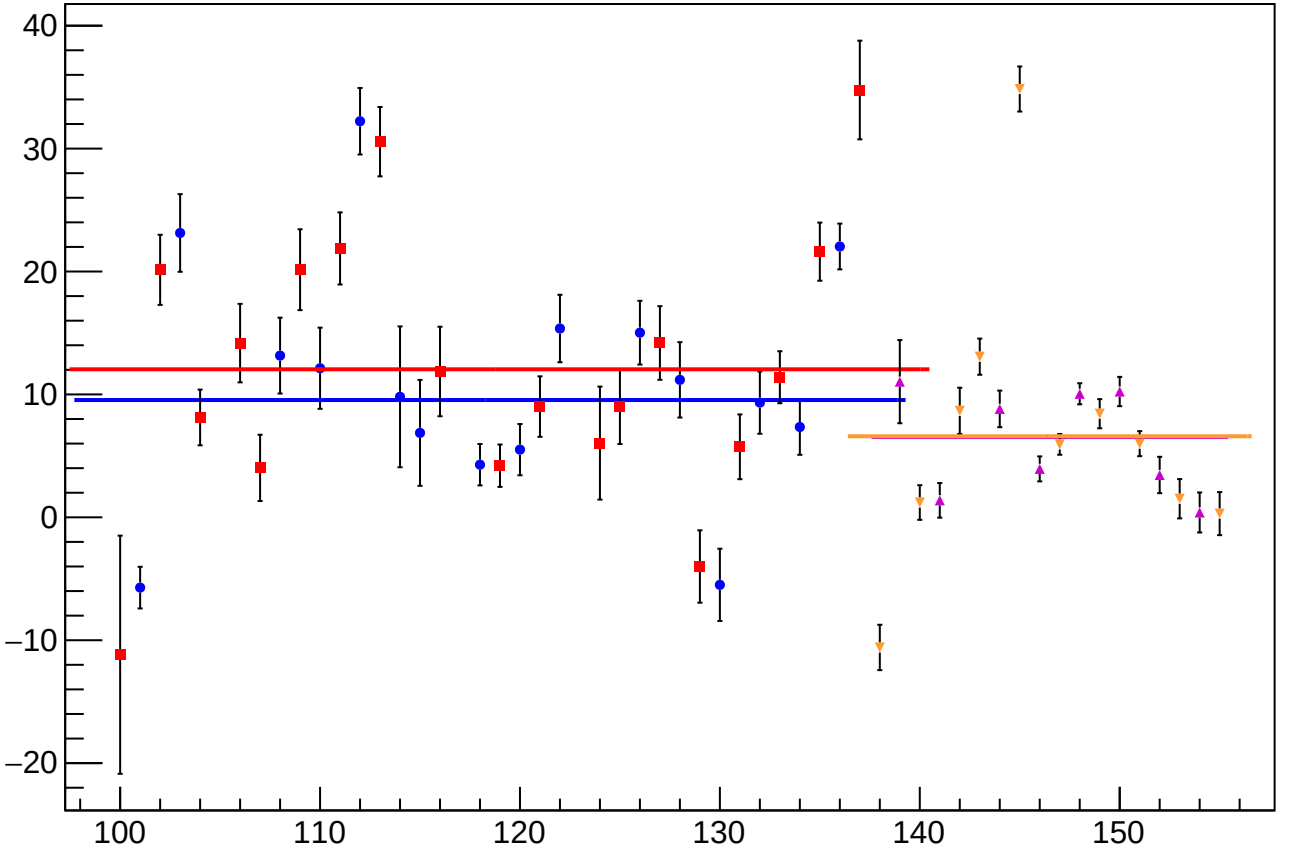
Left In: -78.020+/-0.690 χ^2/NDF:138.1/7

+ sign -76.649+/-0.443 χ^2/NDF: 2187.7/25

All: -77.945+/-0.317 χ^2/NDF: 3264.1/52

- sign -79.308+/-0.455 χ^2/NDF: 1058.9/26

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 6.595+/-0.421 χ^2/NDF:386.2/9

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

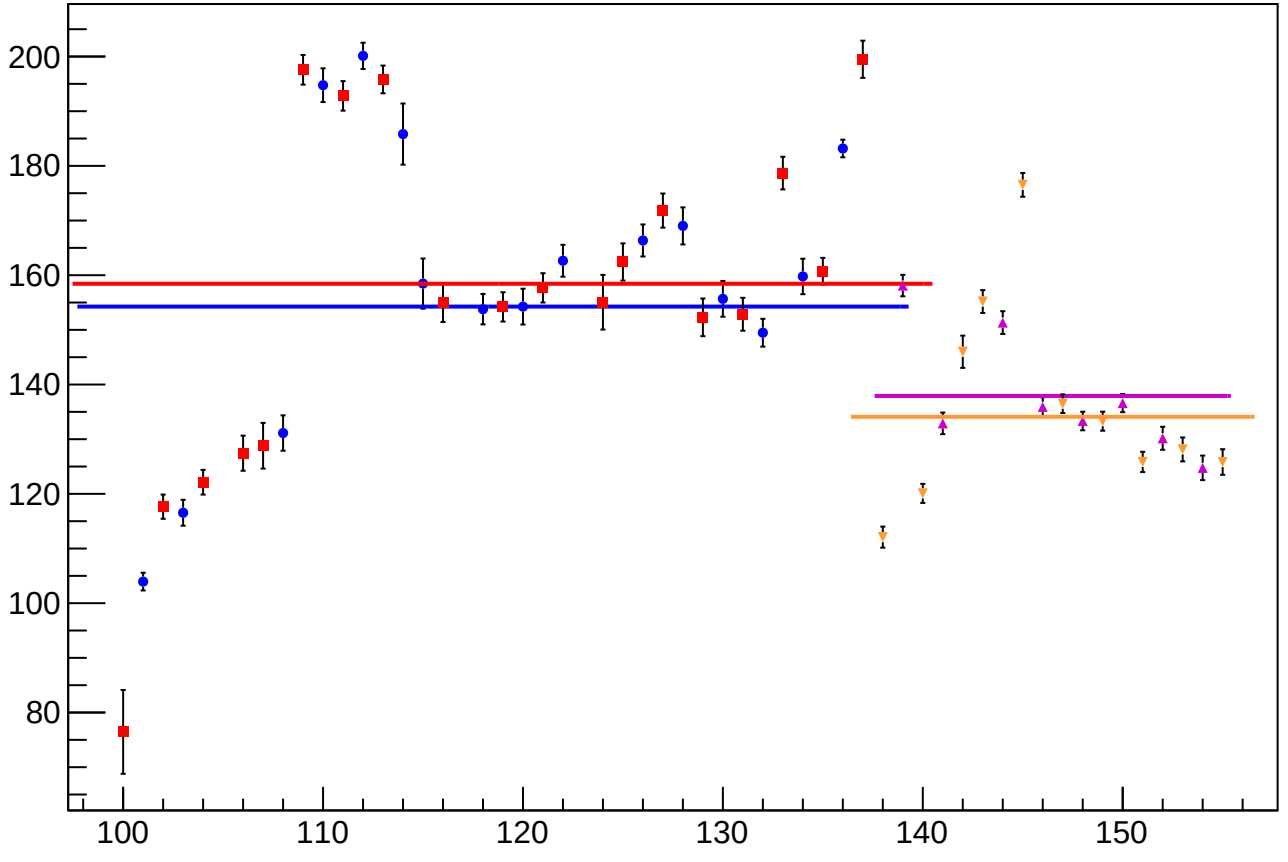
Left In: 6.532+/-0.451 χ^2/NDF:69.2/7

+ sign 7.523+/-0.349 χ^2/NDF: 668.7/25

All: 7.925+/-0.253 χ^2/NDF: 986.4/52

- sign 8.374+/-0.368 χ^2/NDF: 314.9/26

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 134.100+/-0.631 χ^2/NDF:735.4/9

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

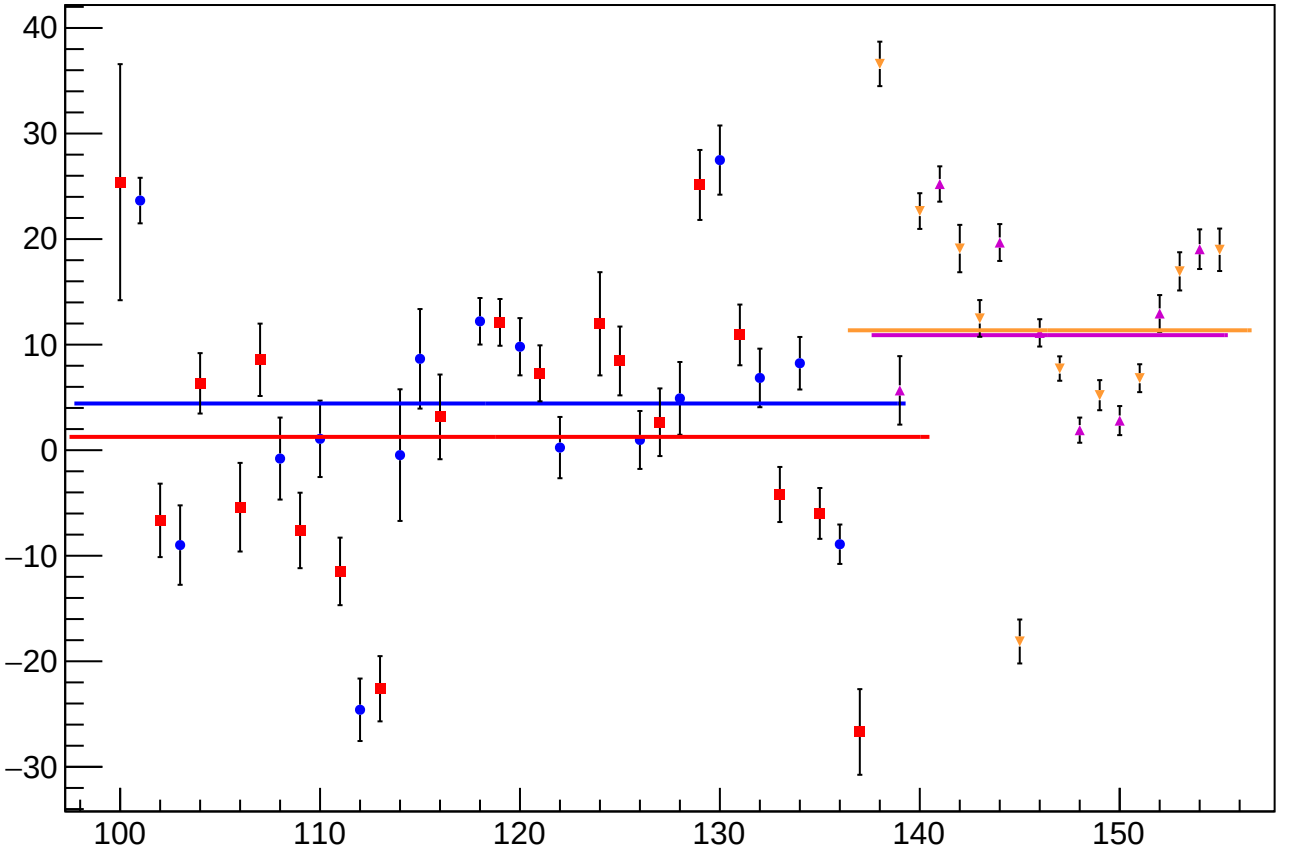
Left In: 137.907+/-0.672 χ^2/NDF:211.5/7

+ sign 143.708+/-0.457 χ^2/NDF: 3434.9/25

All: 145.759+/-0.331 χ^2/NDF: 5812.1/52

- sign 148.014+/-0.479 χ^2/NDF: 2334.8/26

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 11.358+/-0.520 χ^2/NDF:465.0/9

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

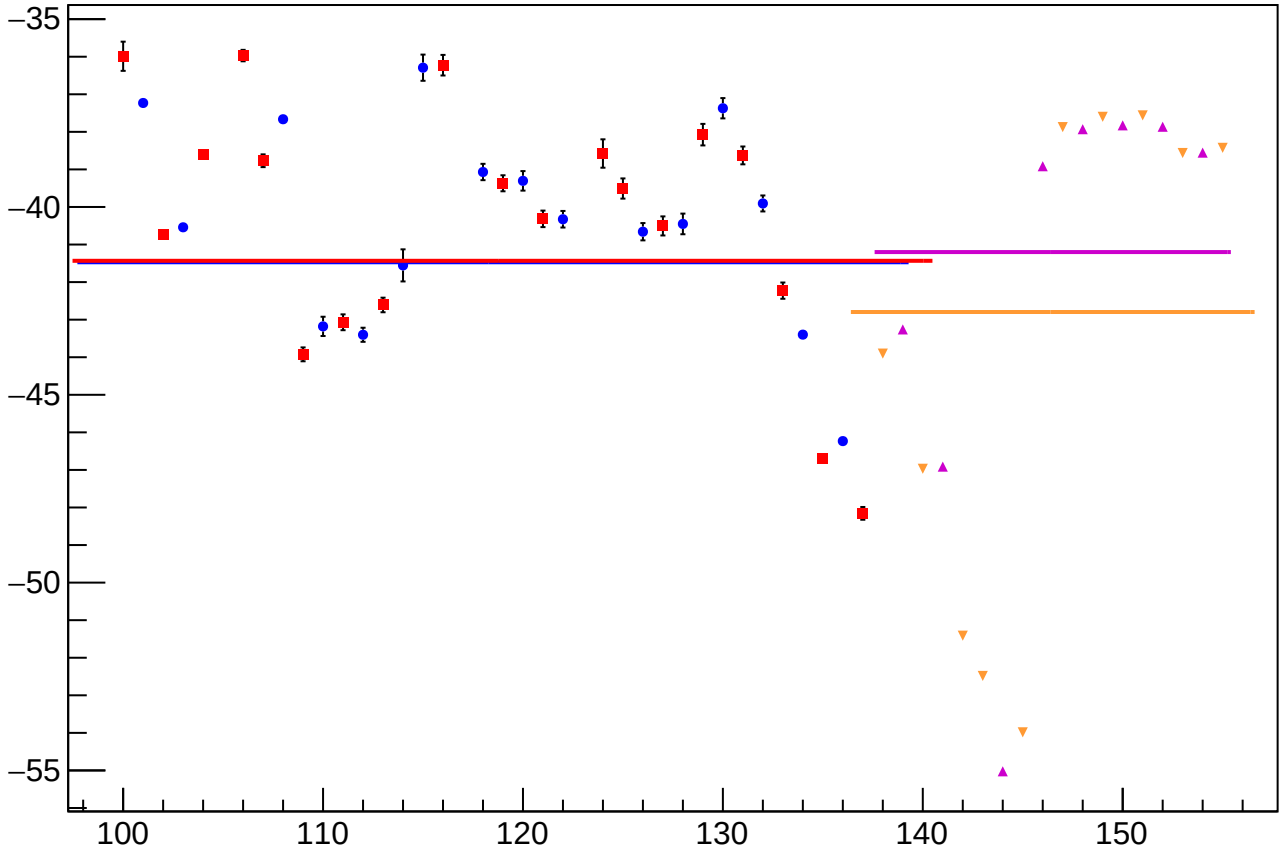
Left In: 10.898+/-0.557 χ^2/NDF:212.8/7

\+ sign 8.955+/-0.420 χ^2/NDF: 842.7/25

All: 8.199+/-0.305 χ^2/NDF: 1437.0/52

\- sign 7.358+/-0.443 χ^2/NDF: 587.5/26

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -42.796+/-0.025 χ^2/NDF:58135.7/9

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

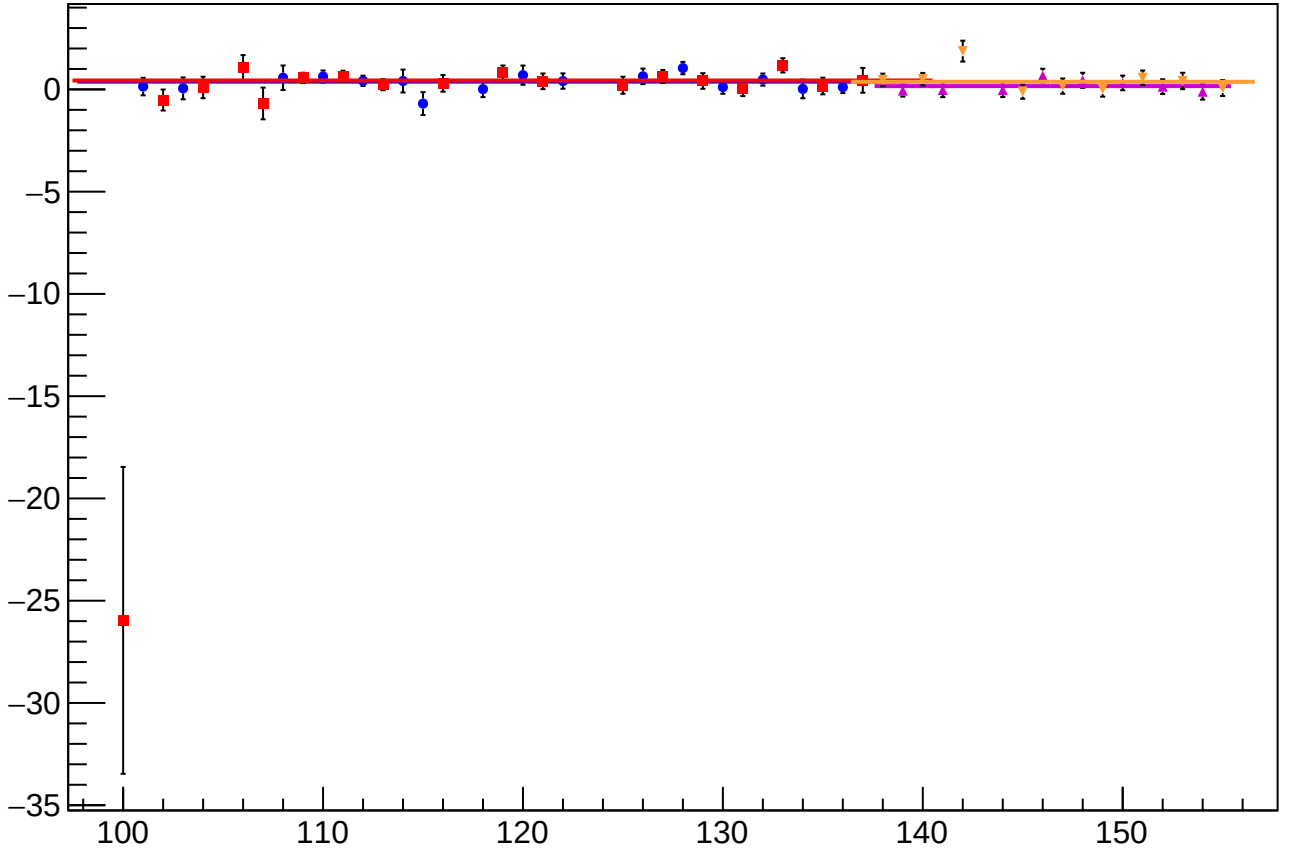
Left In: -41.200+/-0.026 χ^2/NDF:36762.4/7

+ sign -42.390+/-0.021 χ^2/NDF: 66884.6/25

All: -41.853+/-0.015 χ^2/NDF: 113243.0/52

- sign -41.272+/-0.022 χ^2/NDF: 45011.8/26

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.372+/-0.121 χ^2/NDF:12.9/8

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

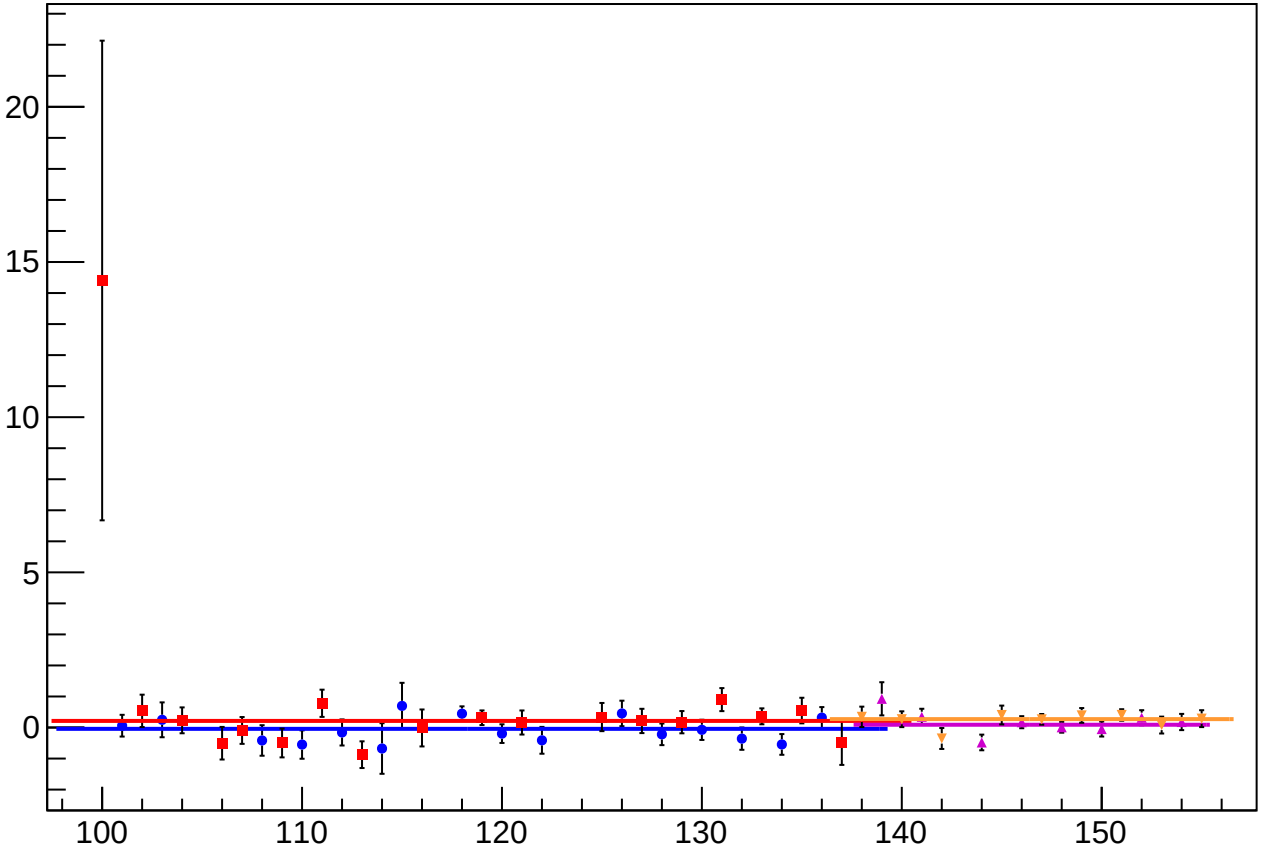
Left In: 0.160+/-0.123 χ^2/NDF:4.6/7

+ sign 0.378+/-0.073 χ^2/NDF: 26.9/24

All: 0.359+/-0.052 χ^2/NDF: 63.9/50

- sign 0.340+/-0.073 χ^2/NDF: 36.9/25

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.271+/-0.081 χ^2/NDF:5.0/8

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

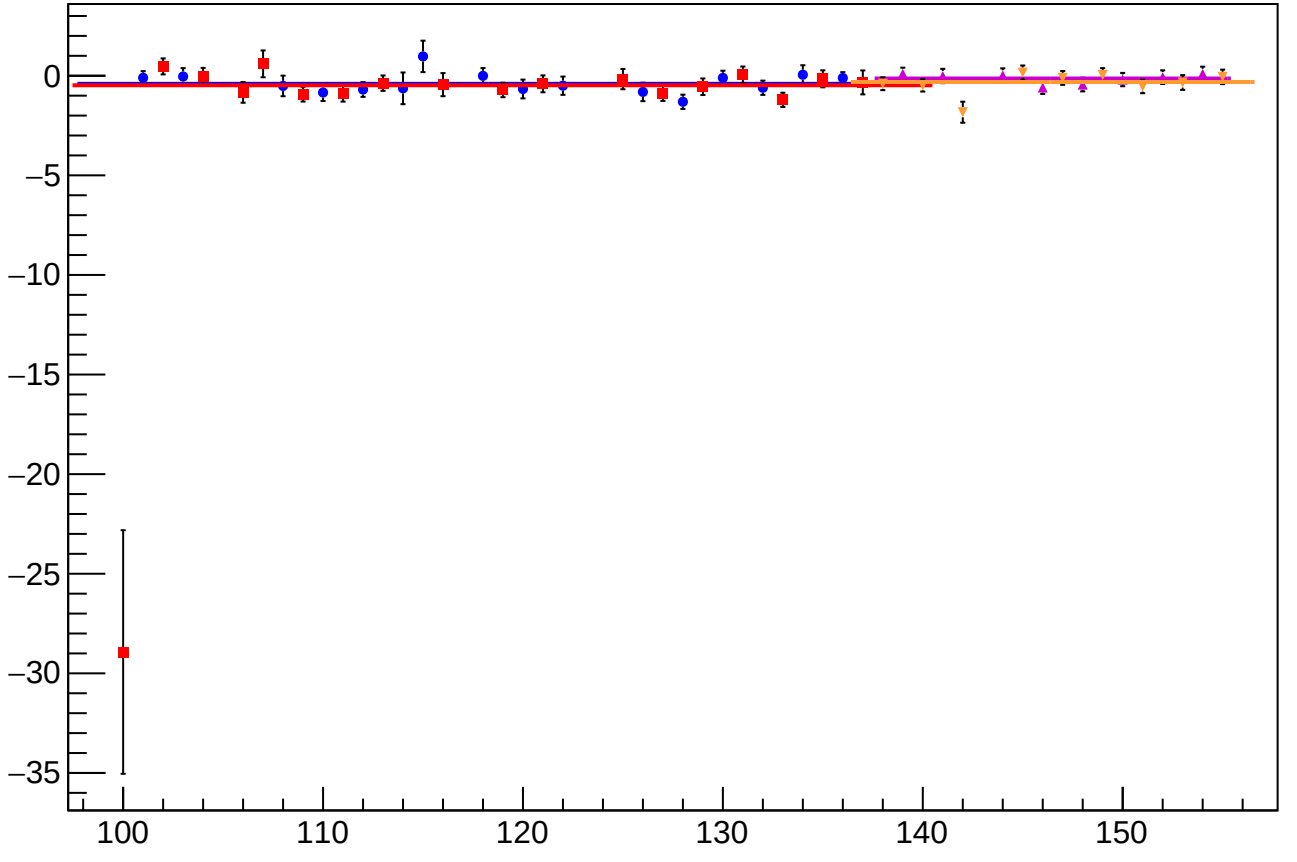
Left In: 0.090+/-0.084 χ^2/NDF:10.3/7

+ sign 0.137+/-0.061 χ^2/NDF: 26.3/24

All: 0.140+/-0.044 χ^2/NDF: 59.9/50

- sign 0.143+/-0.063 χ^2/NDF: 33.6/25

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.313+/-0.118 χ^2/NDF:12.6/8

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

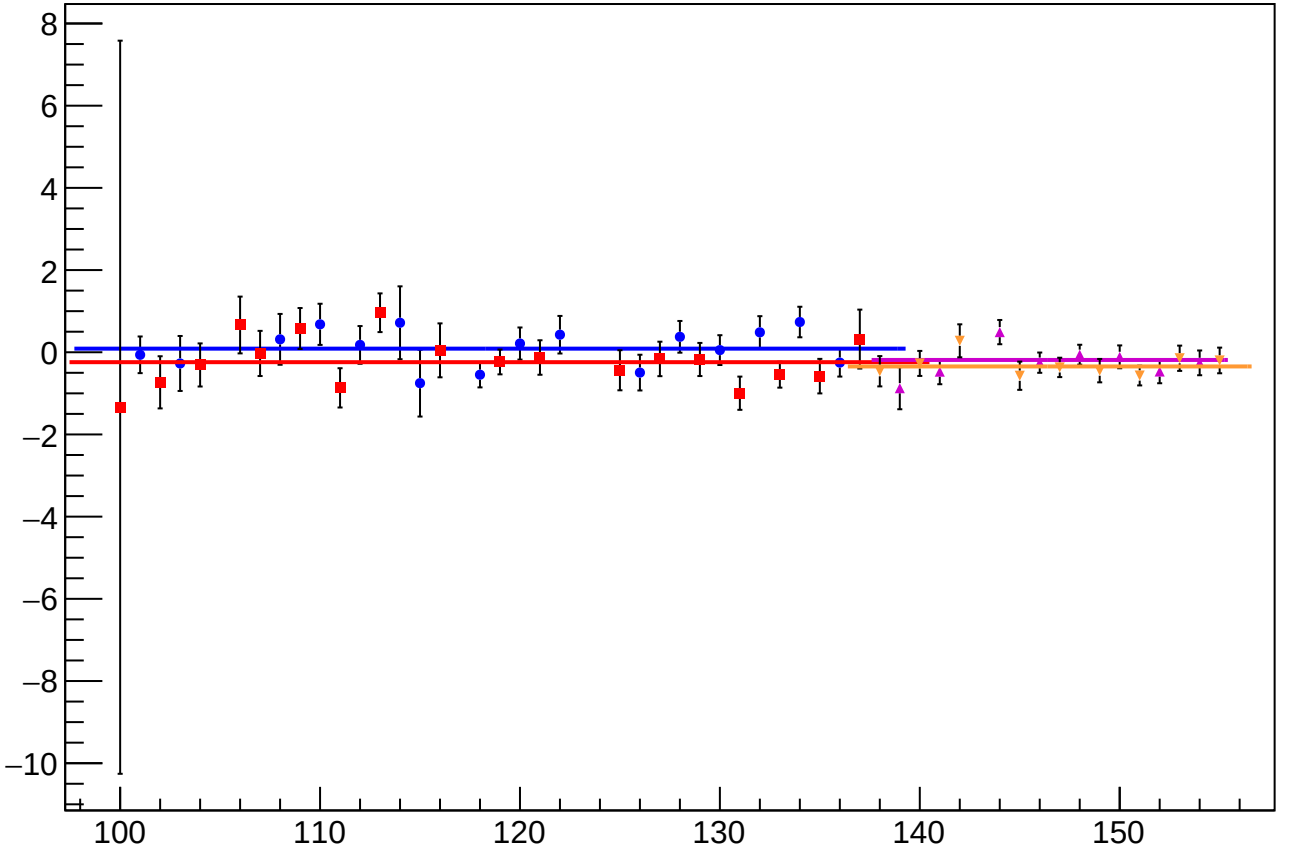
Left In: -0.139+/-0.120 χ^2/NDF:4.1/7

+ sign -0.366+/-0.078 χ^2/NDF: 30.8/24

All: -0.349+/-0.055 χ^2/NDF: 81.7/50

- sign -0.332+/-0.079 χ^2/NDF: 50.9/25

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.345+/-0.099 χ^2/NDF:4.6/8

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

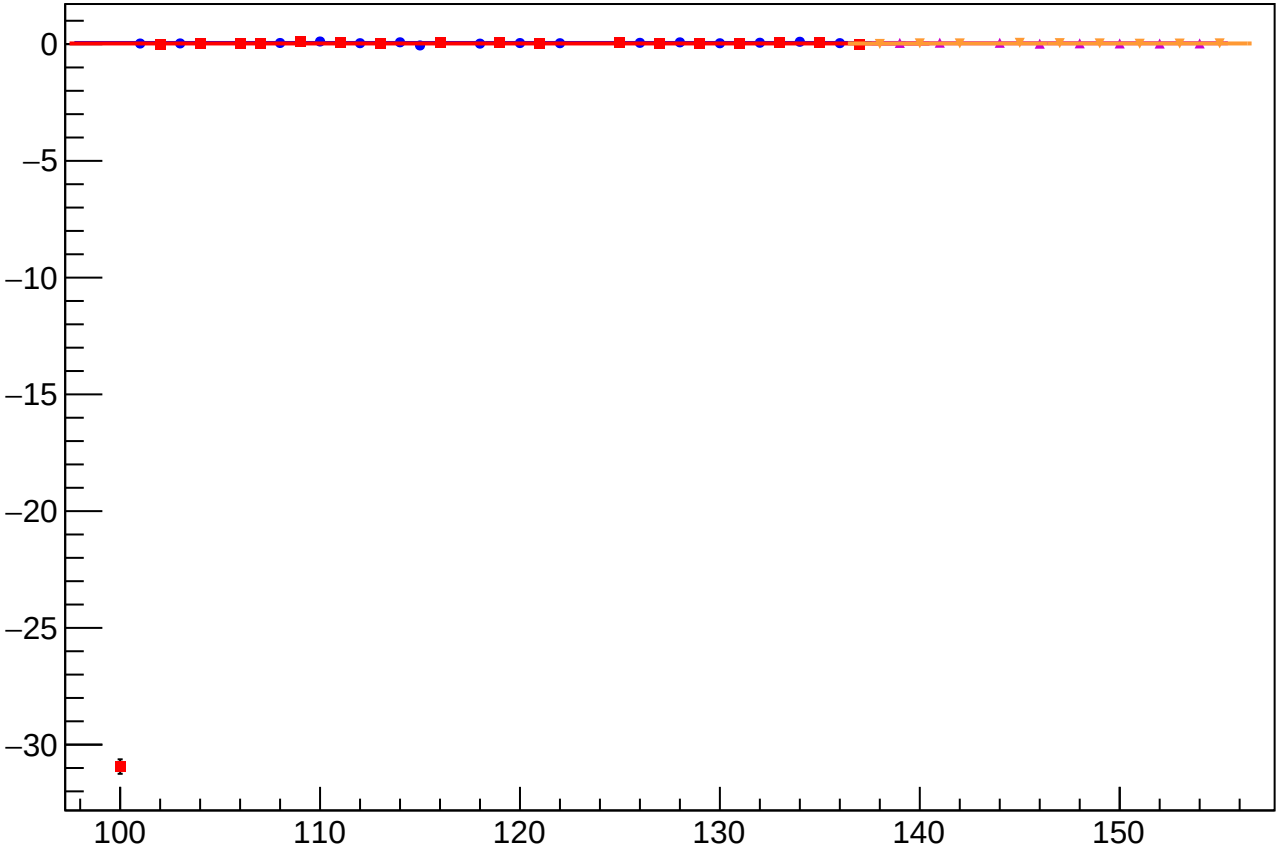
Left In: -0.187+/-0.102 χ^2/NDF:9.4/7

+ sign -0.147+/-0.073 χ^2/NDF: 29.2/24

All: -0.179+/-0.052 χ^2/NDF: 58.7/50

- sign -0.212+/-0.075 χ^2/NDF: 29.1/25

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.005 χ^2/NDF:7.9/8

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

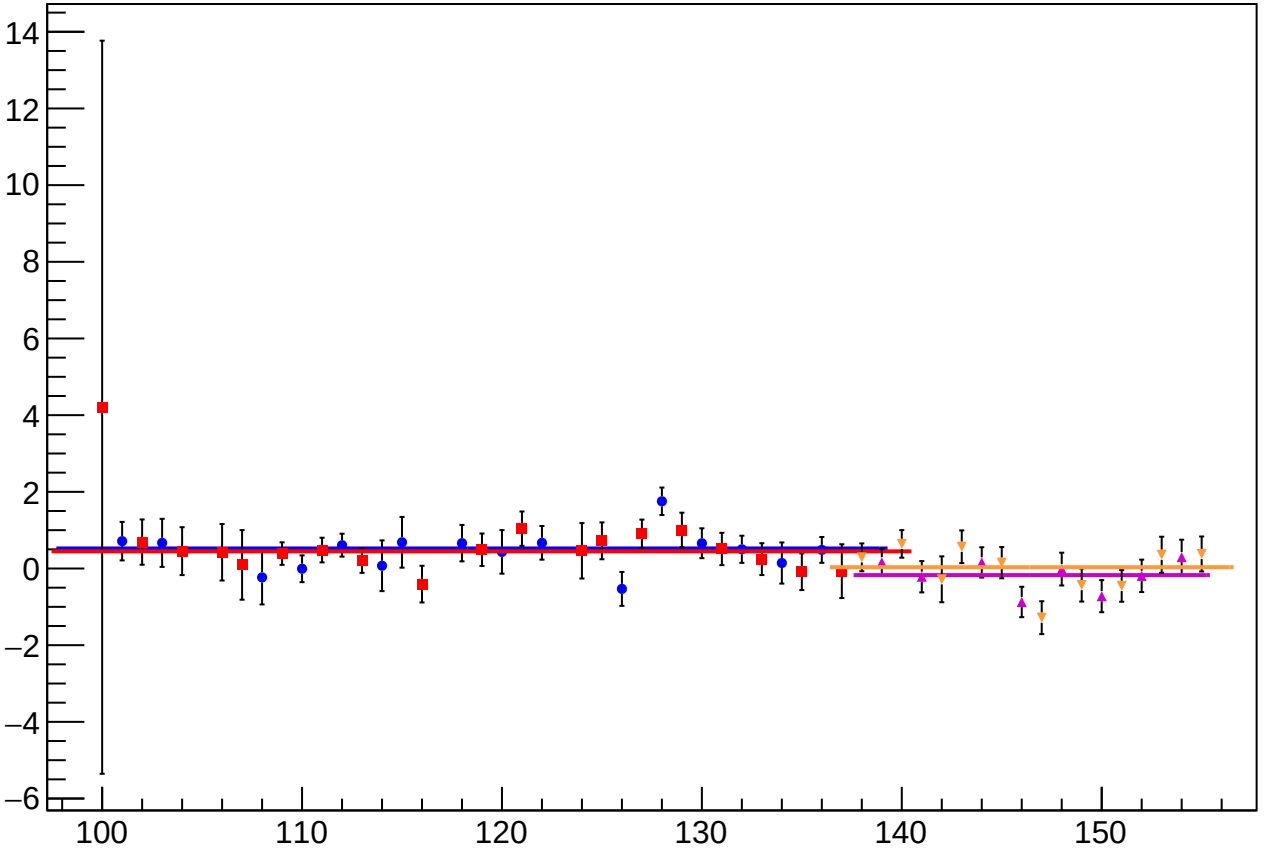
Left In: 0.038+/-0.005 χ^2/NDF:9.4/7

+ sign 0.035+/-0.004 χ^2/NDF: 34.3/24

All: 0.035+/-0.003 χ^2/NDF: 10066.3/50

- sign 0.034+/-0.004 χ^2/NDF: 10032.0/25

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.034+/-0.134 χ^2/NDF:18.3/9

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

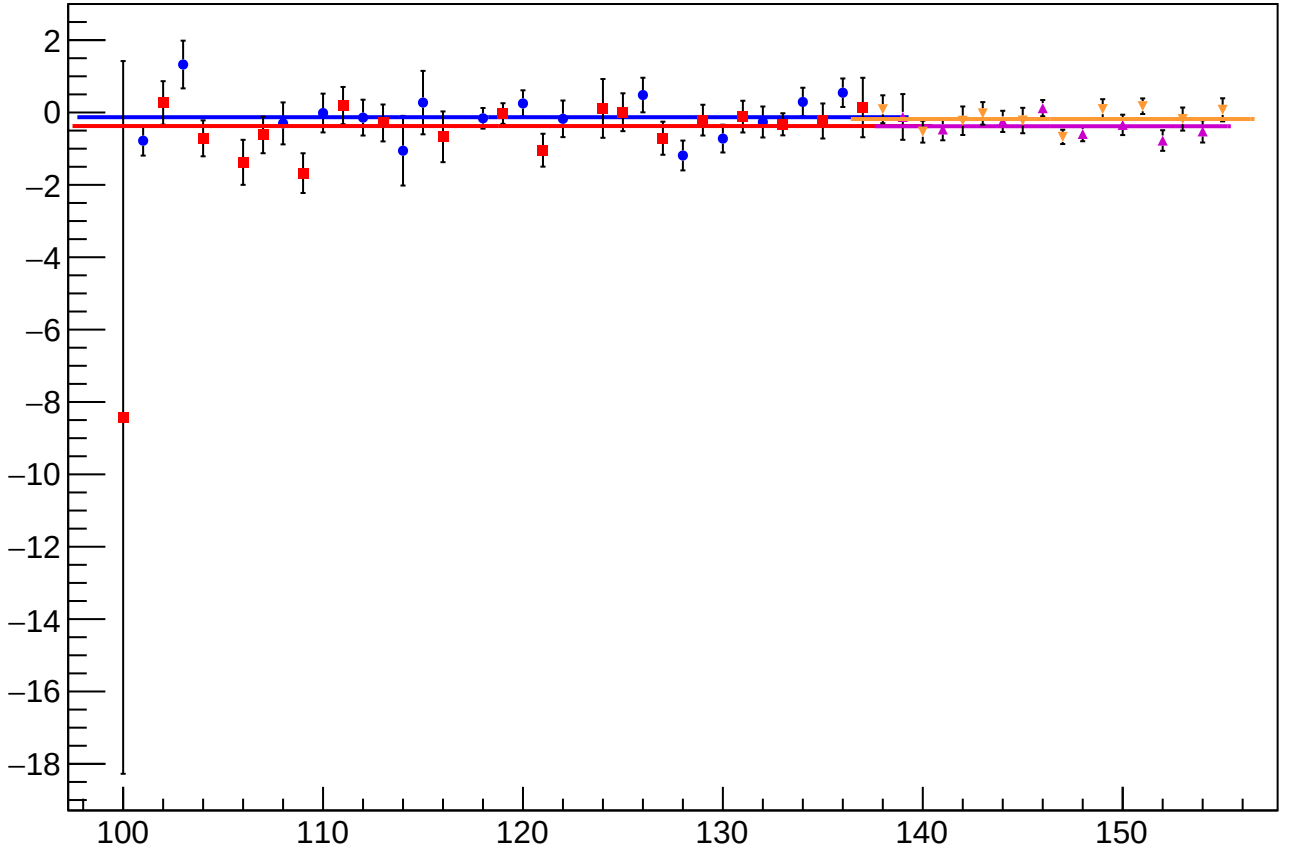
Left In: -0.172+/-0.144 χ^2/NDF:7.7/7

+ sign 0.329+/-0.084 χ^2/NDF: 49.0/25

All: 0.280+/-0.060 χ^2/NDF: 80.8/52

- sign 0.231+/-0.085 χ^2/NDF: 31.2/26

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.180+/-0.090 χ^2/NDF:12.7/9

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

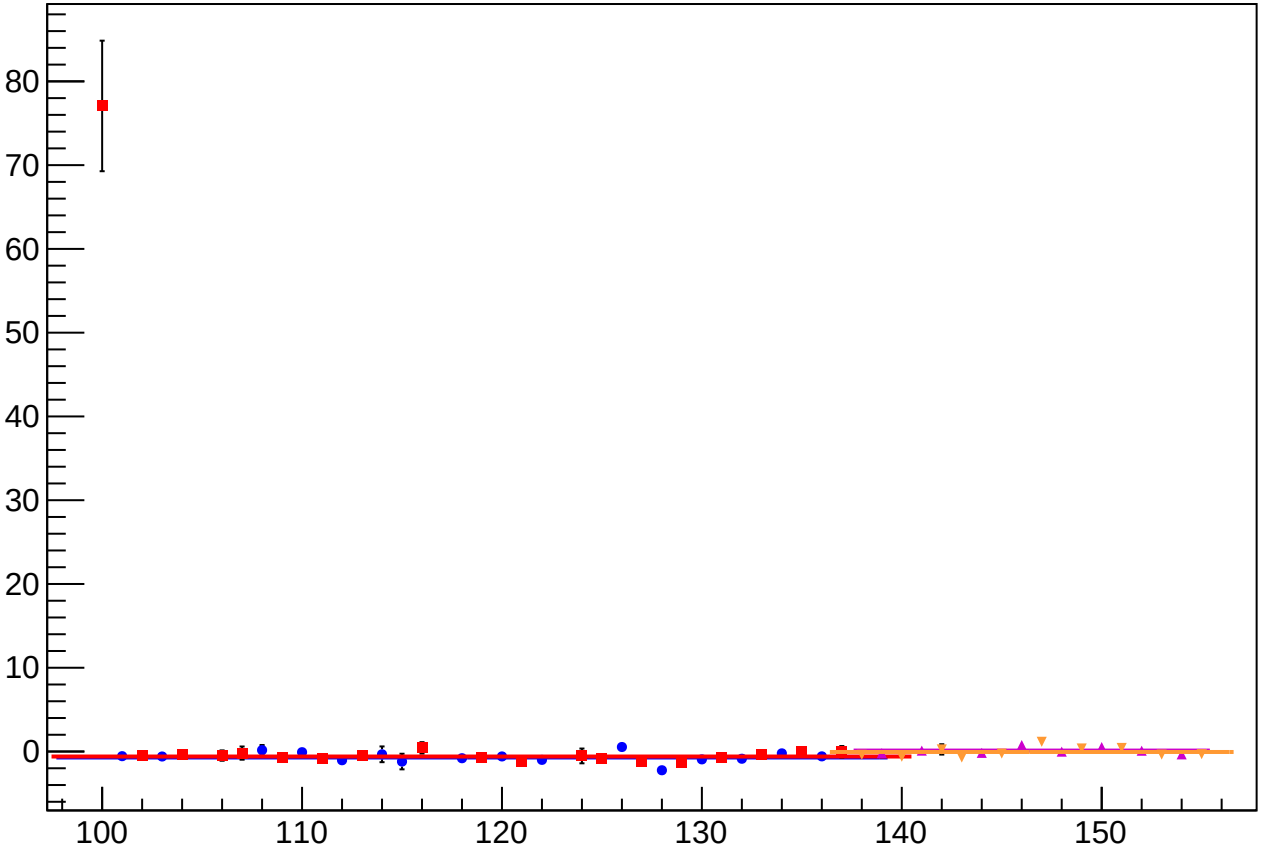
Left In: -0.380+/-0.098 χ^2/NDF:8.7/7

+ sign -0.161+/-0.070 χ^2/NDF: 37.4/25

All: -0.264+/-0.051 χ^2/NDF: 68.8/52

- sign -0.378+/-0.073 χ^2/NDF: 26.9/26

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.055+/-0.132 χ^2/NDF:18.5/9

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

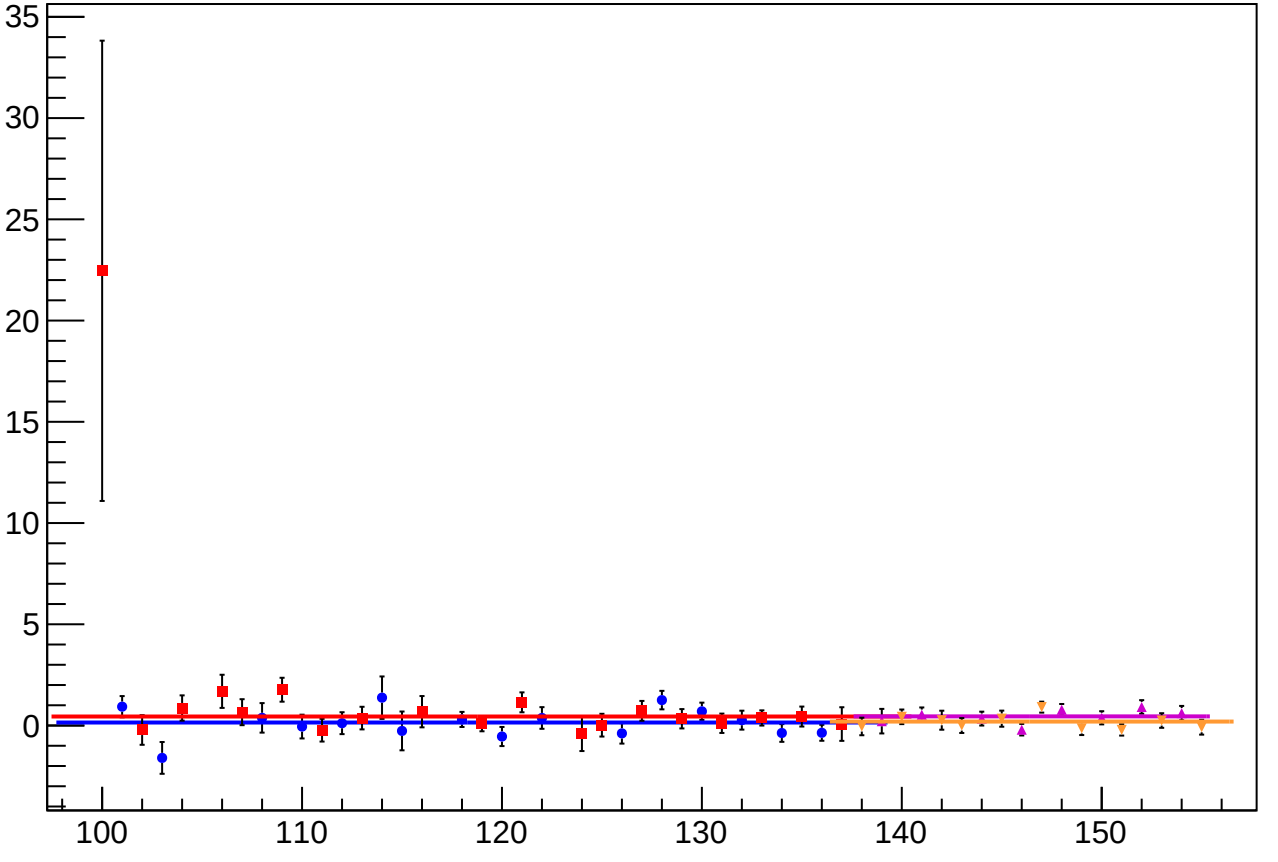
Left In: 0.112+/-0.140 χ^2/NDF:6.6/7

+ sign -0.411+/-0.089 χ^2/NDF: 56.8/25

All: -0.354+/-0.064 χ^2/NDF: 189.8/52

- sign -0.293+/-0.092 χ^2/NDF: 132.1/26

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.195+/-0.110 χ^2/NDF:11.9/9

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

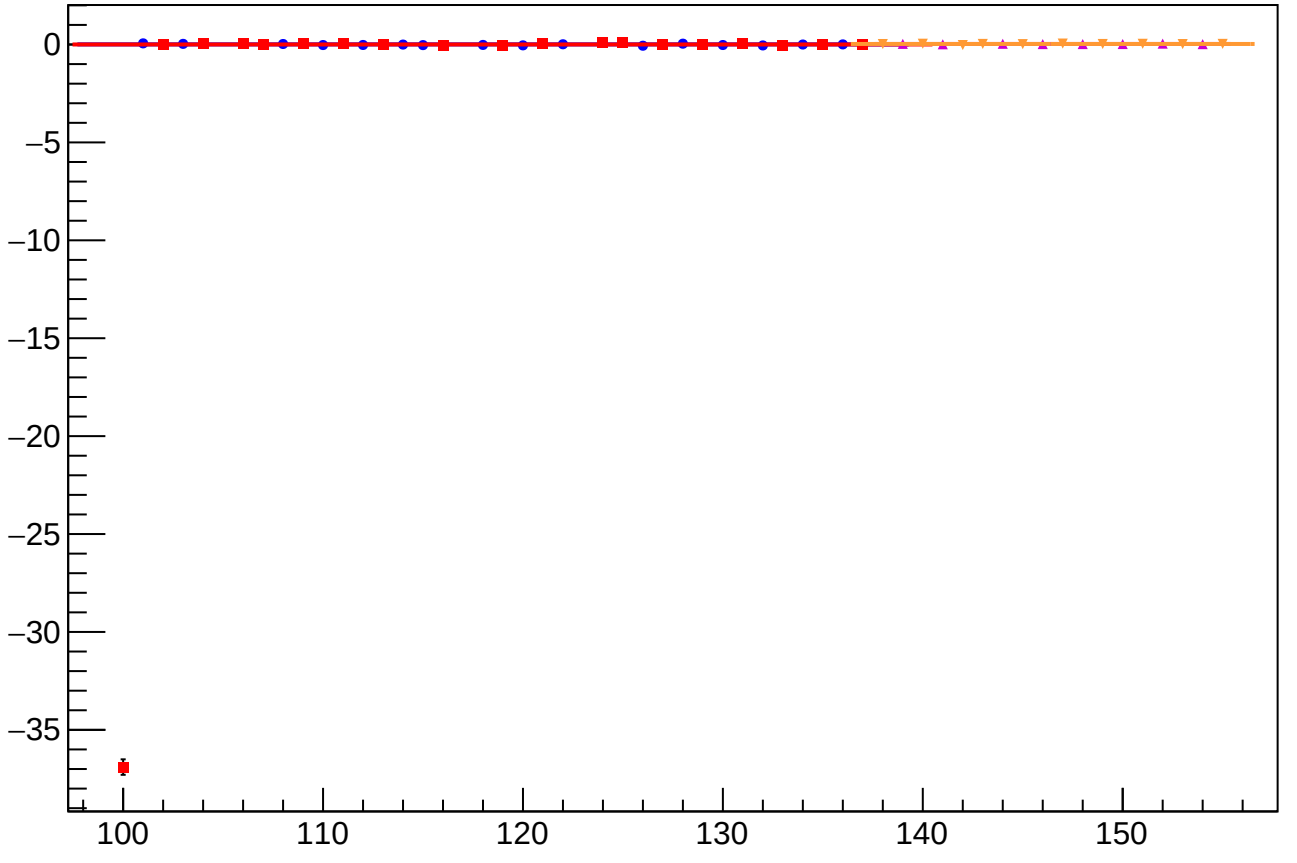
Left In: 0.451+/-0.119 χ^2/NDF:9.2/7

+ sign 0.175+/-0.084 χ^2/NDF: 35.2/25

All: 0.306+/-0.060 χ^2/NDF: 69.3/52

- sign 0.448+/-0.087 χ^2/NDF: 28.9/26

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.005 χ^2/NDF:7.6/9

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

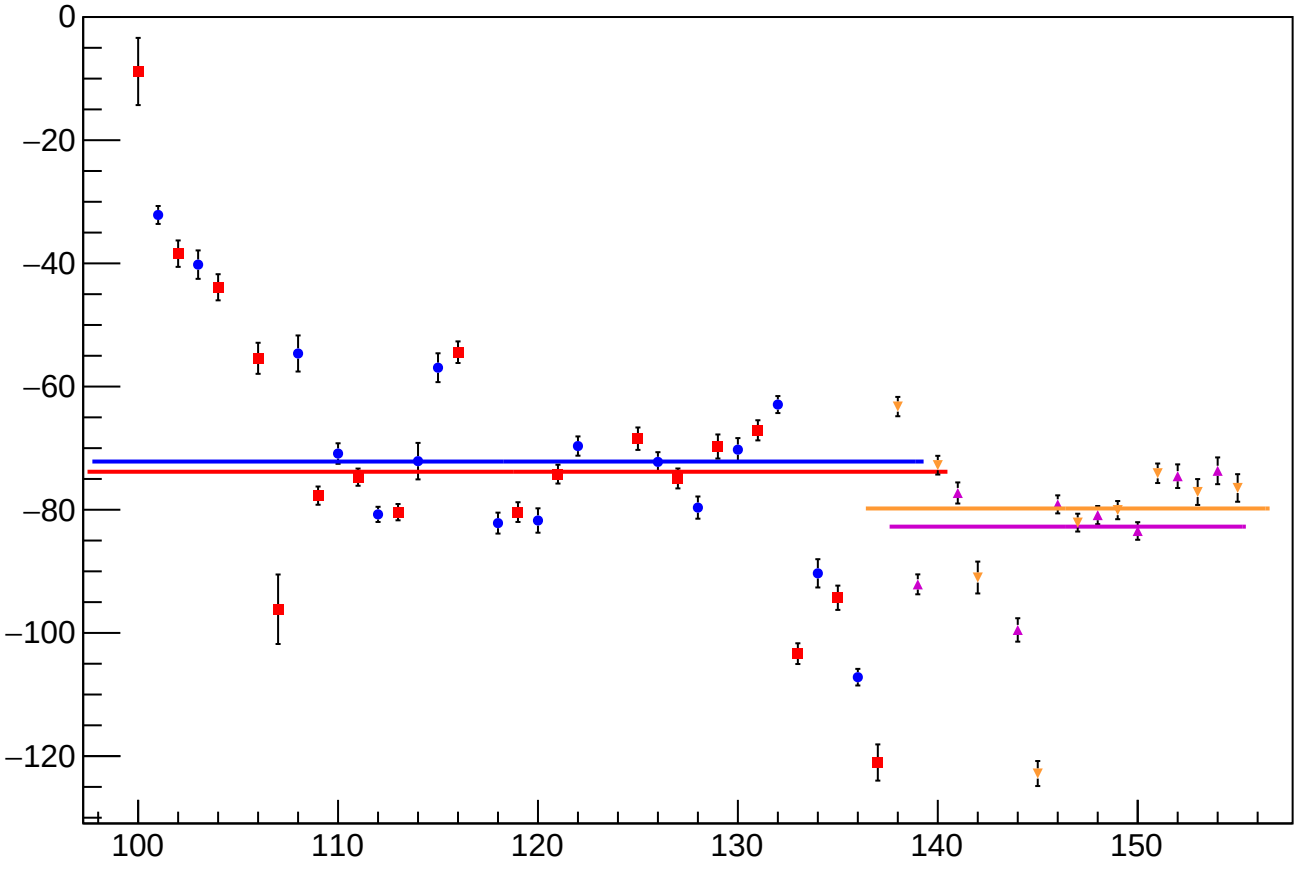
Left In: 0.028+/-0.005 χ^2/NDF:3.2/7

+ sign 0.020+/-0.004 χ^2/NDF: 30.6/25

All: 0.020+/-0.003 χ^2/NDF: 8794.9/52

- sign 0.019+/-0.004 χ^2/NDF: 8764.2/26

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.795+/-0.578 χ^2/NDF:619.1/8

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

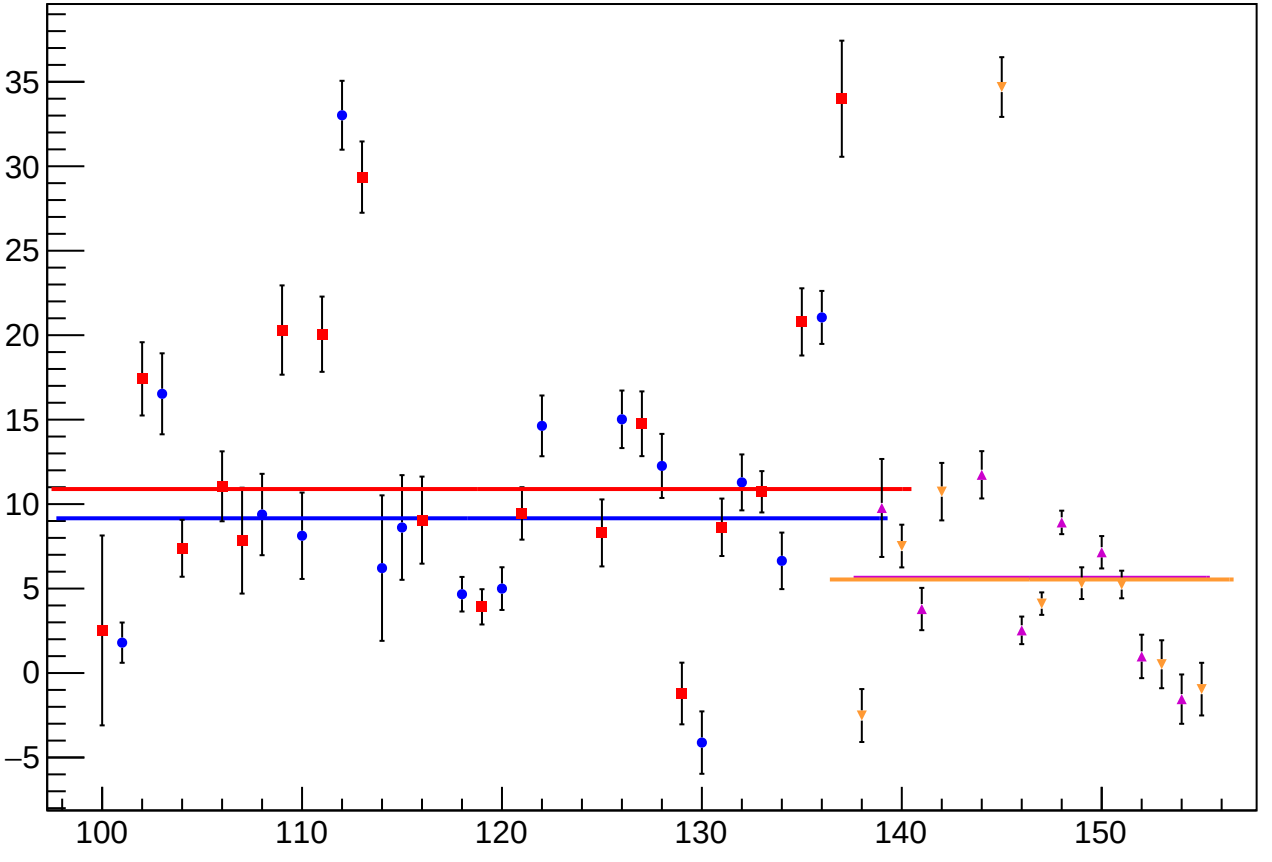
Left In: -82.742+/-0.587 χ^2/NDF:165.1/7

+ sign -74.903+/-0.346 χ^2/NDF: 2666.6/24

All: -75.921+/-0.245 χ^2/NDF: 4556.4/50

- sign -76.946+/-0.347 χ^2/NDF: 1872.5/25

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.538+/-0.365 χ^2/NDF:344.8/8

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

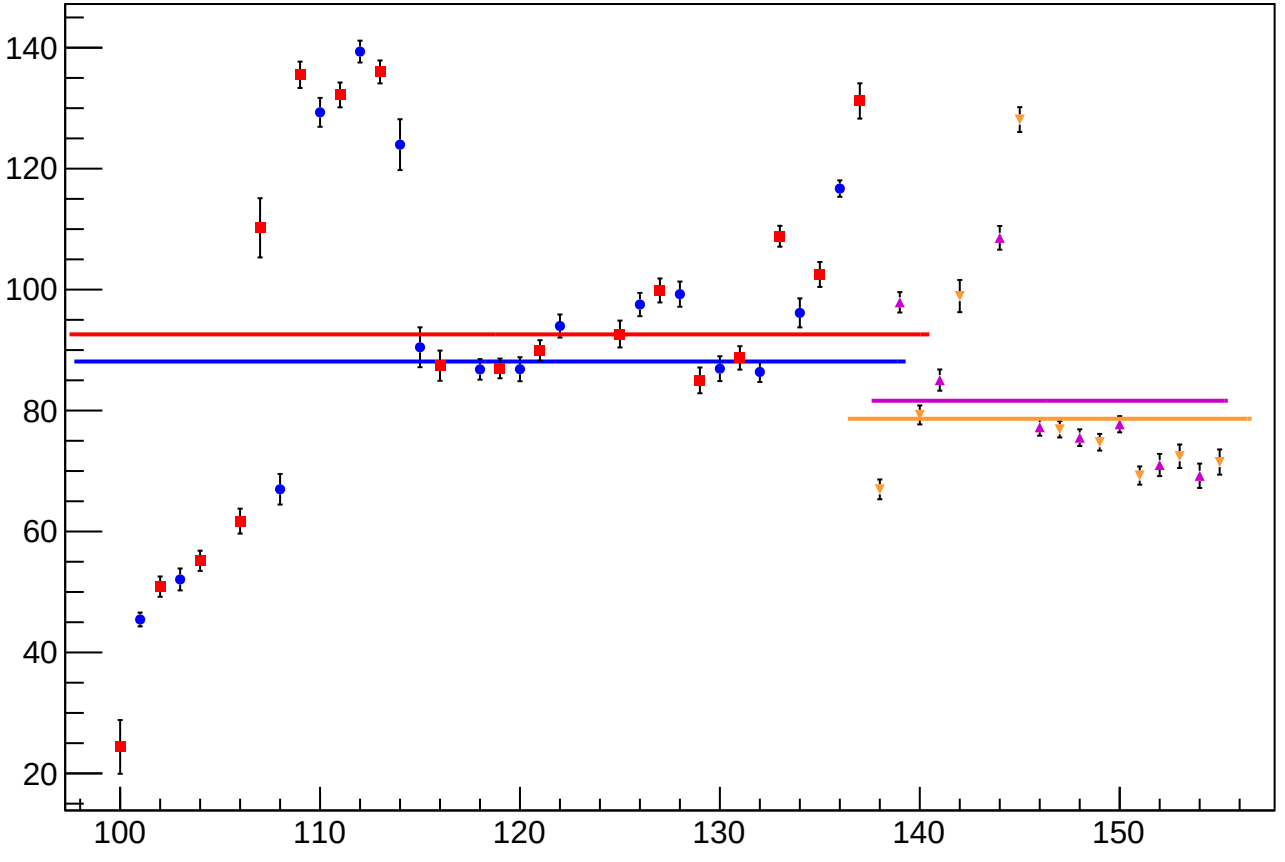
Left In: 5.639+/-0.378 χ^2/NDF:99.8/7

+ sign 7.076+/-0.277 χ^2/NDF: 738.7/24

All: 7.458+/-0.199 χ^2/NDF: 1214.6/50

- sign 7.868+/-0.287 χ^2/NDF: 472.0/25

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 78.644+/-0.562 χ^2/NDF:756.9/8

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

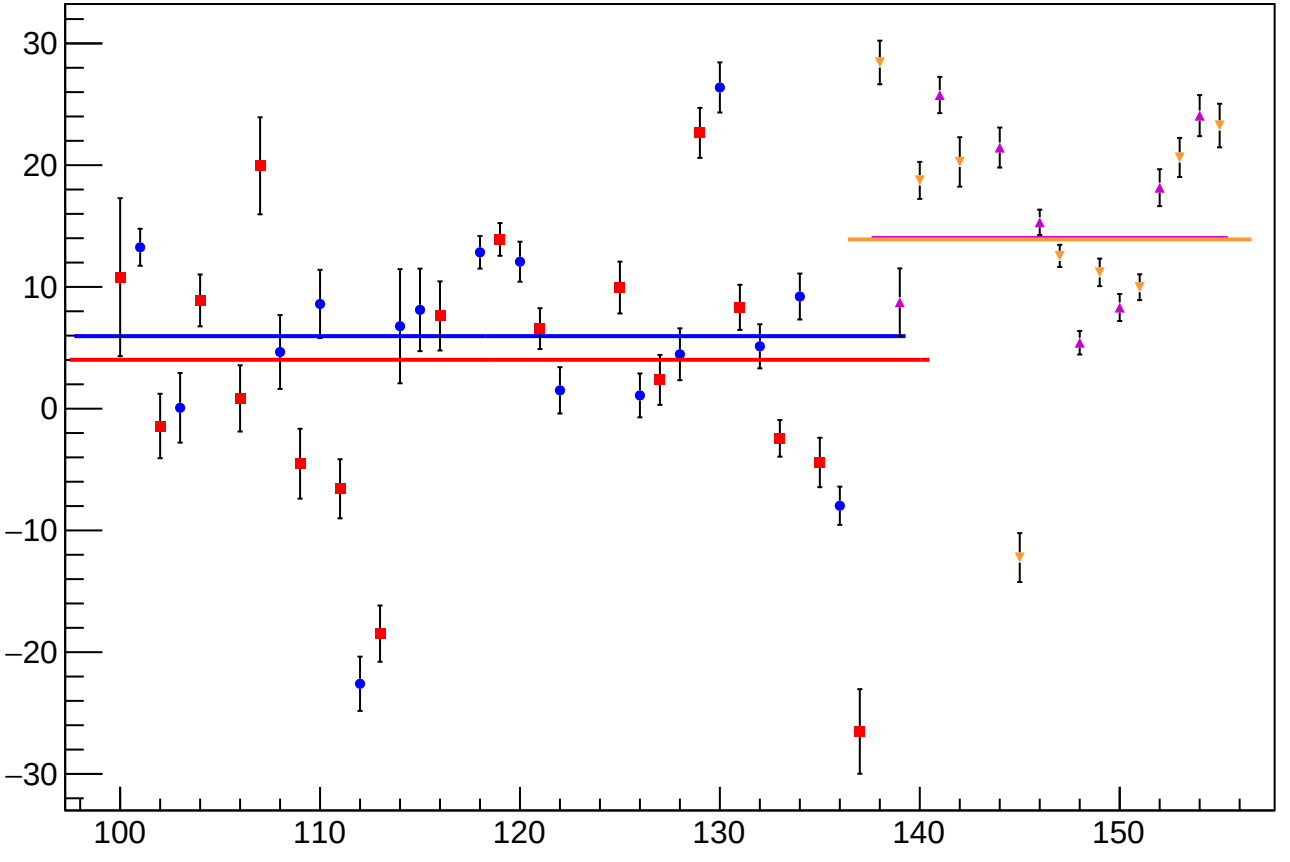
Left In: 81.622+/-0.570 χ^2/NDF:395.4/7

+ sign 84.226+/-0.360 χ^2/NDF: 4486.0/24

All: 86.072+/-0.257 χ^2/NDF: 8362.0/50

- sign 88.009+/-0.369 χ^2/NDF: 3822.1/25

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 13.900+/-0.456 χ^2/NDF:322.0/8

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

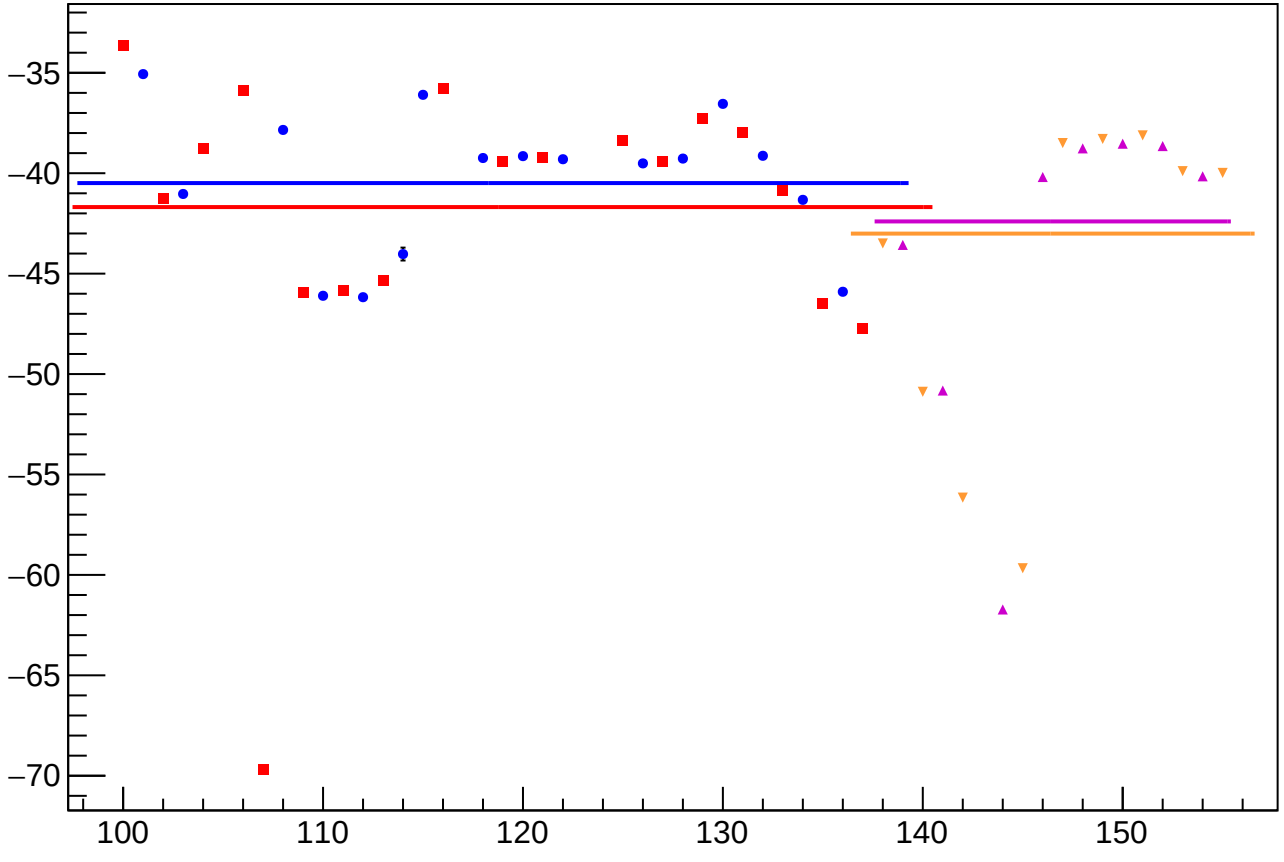
Left In: 14.023+/-0.469 χ^2/NDF:236.5/7

+ sign 10.251+/-0.335 χ^2/NDF: 888.1/24

All: 9.854+/-0.240 χ^2/NDF: 1753.9/50

- sign 9.434+/-0.345 χ^2/NDF: 862.9/25

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -43.007+/-0.023 χ^2/NDF:92257.6/8

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

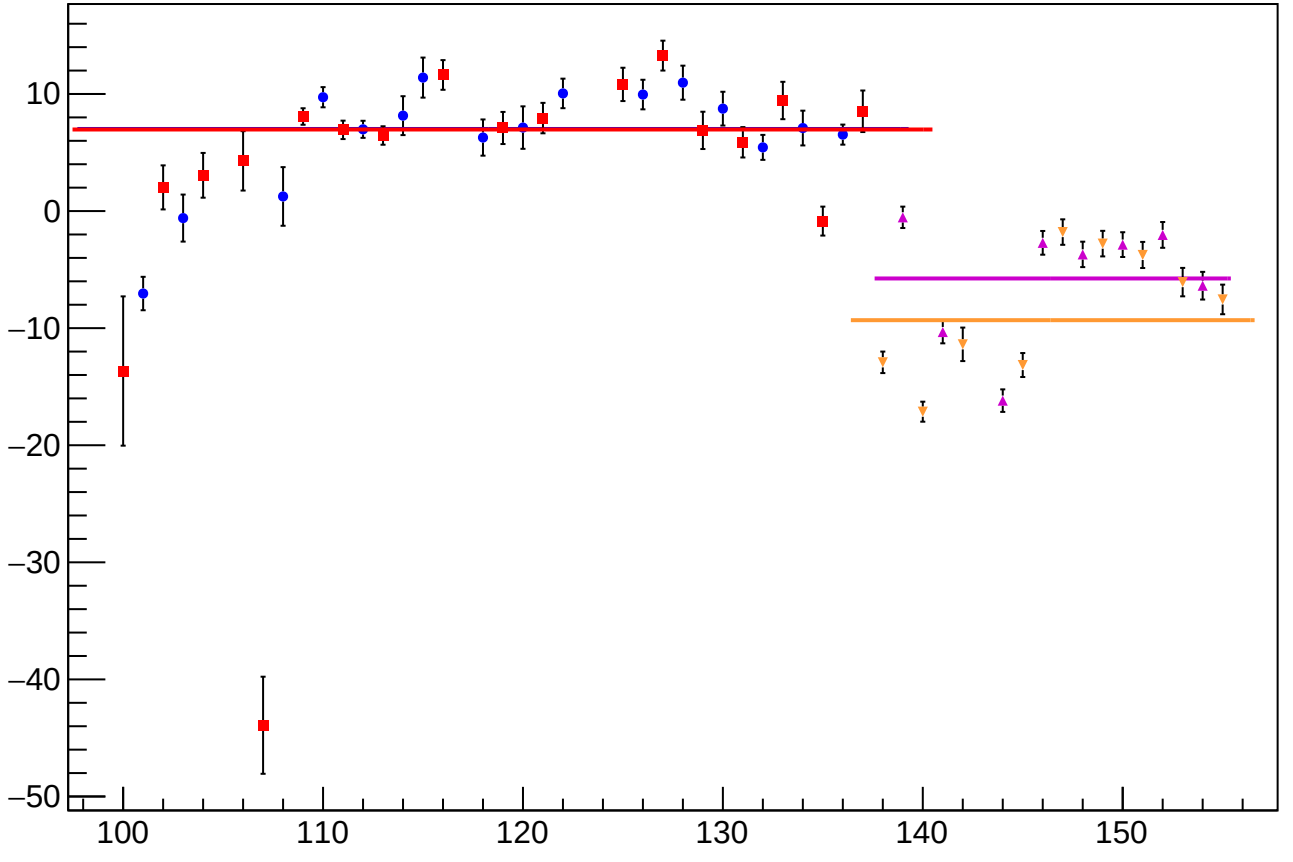
Left In: -42.400+/-0.022 χ^2/NDF:77379.5/7

+ sign -42.028+/-0.018 χ^2/NDF: 115207.4/24

All: -42.081+/-0.013 χ^2/NDF: 229819.7/50

- sign -42.135+/-0.018 χ^2/NDF: 114593.9/25

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.319+/-0.358 χ^2/NDF:232.9/8

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

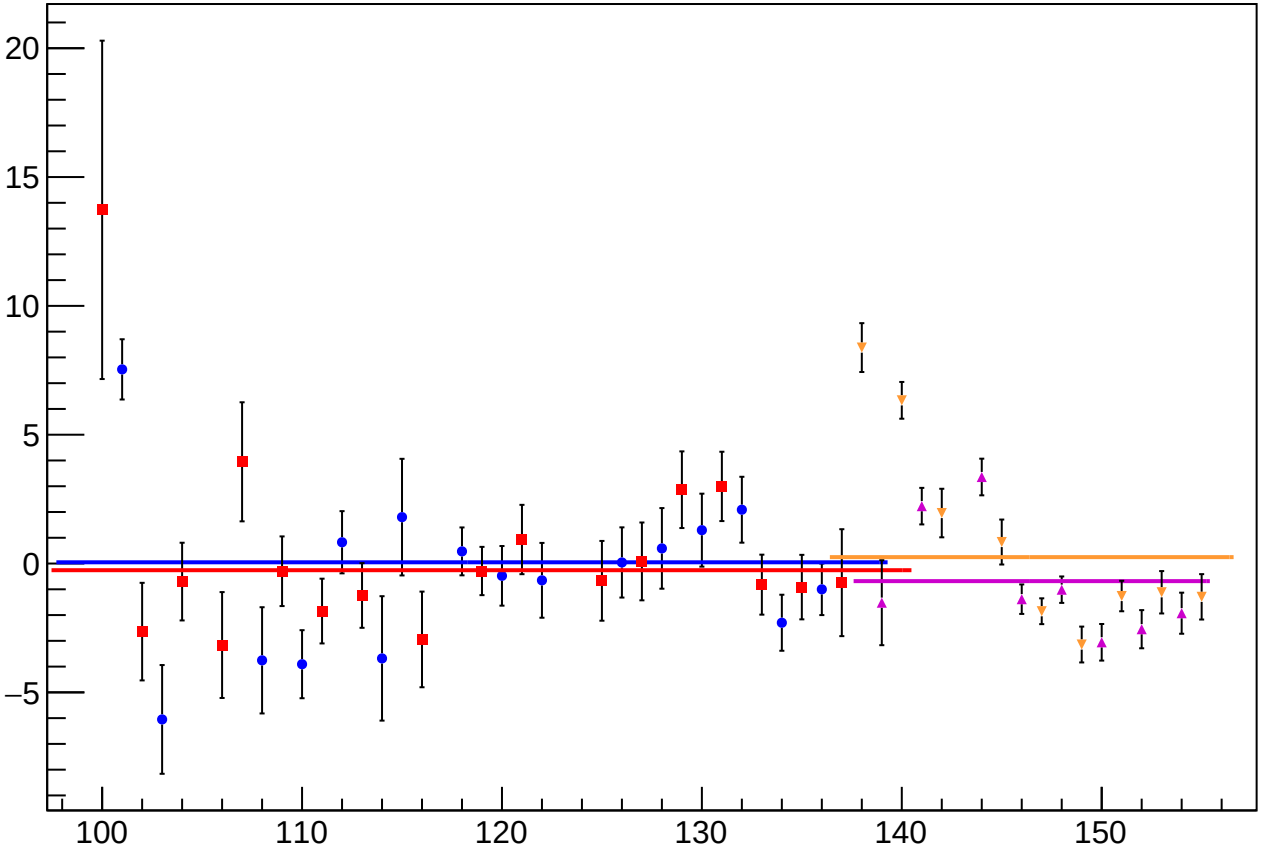
Left In: -5.757+/-0.363 χ^2/NDF:204.5/7

+ sign 0.040+/-0.234 χ^2/NDF: 1579.4/24

All: 0.952+/-0.164 χ^2/NDF: 2814.3/50

- sign 1.834+/-0.230 χ^2/NDF: 1205.0/25

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.249+/-0.241 χ^2/NDF:203.7/8

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

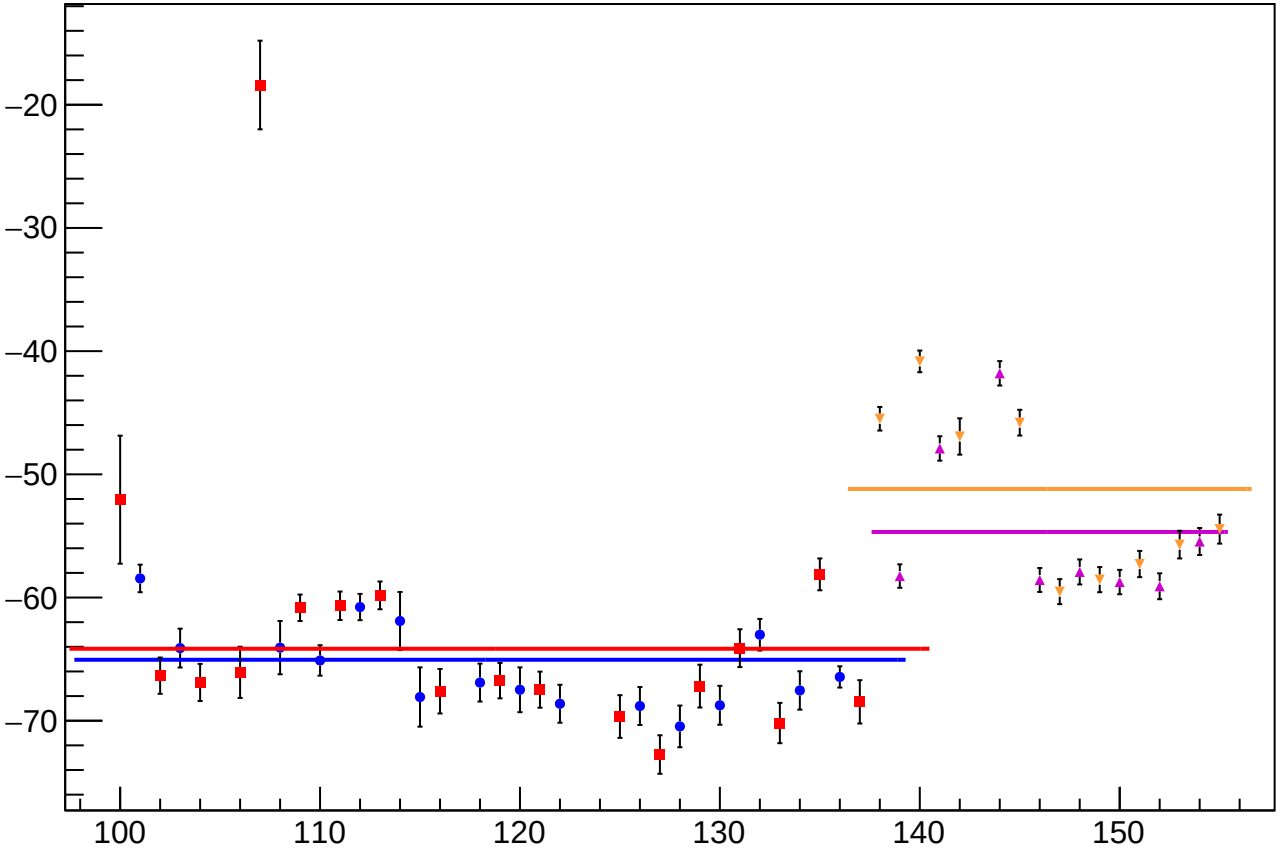
Left In: -0.683+/-0.246 χ^2/NDF:71.3/7

+ sign 0.179+/-0.195 χ^2/NDF: 278.9/24

All: -0.171+/-0.140 χ^2/NDF: 385.4/50

- sign -0.540+/-0.200 χ^2/NDF: 99.8/25

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -51.185+/-0.352 χ^2/NDF:385.1/8

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

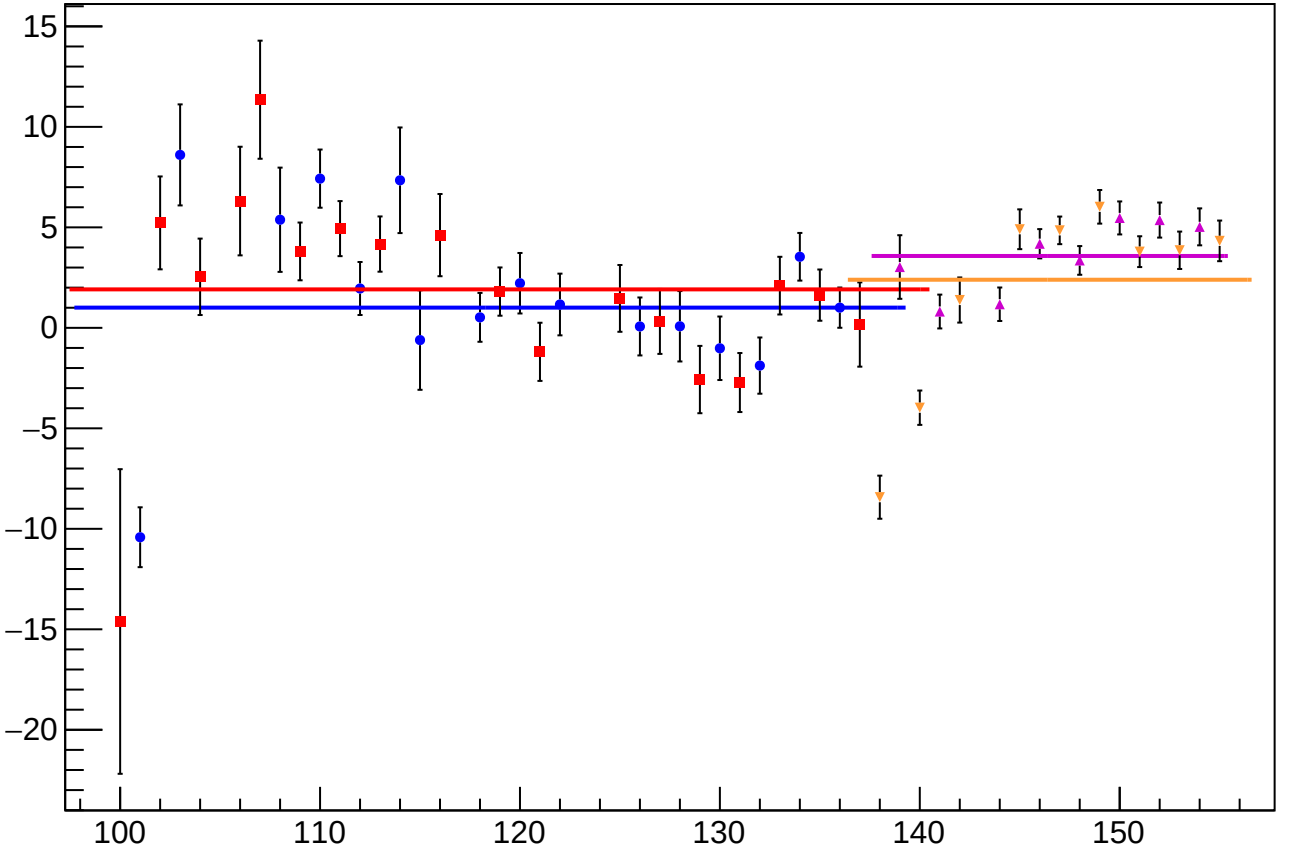
Left In: -54.677+/-0.355 χ^2/NDF:291.3/7

+ sign -58.073+/-0.249 χ^2/NDF: 1250.0/24

All: -58.700+/-0.178 χ^2/NDF: 2208.7/50

- sign -59.346+/-0.253 χ^2/NDF: 945.9/25

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 2.394+/-0.296 χ^2/NDF:205.6/8

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

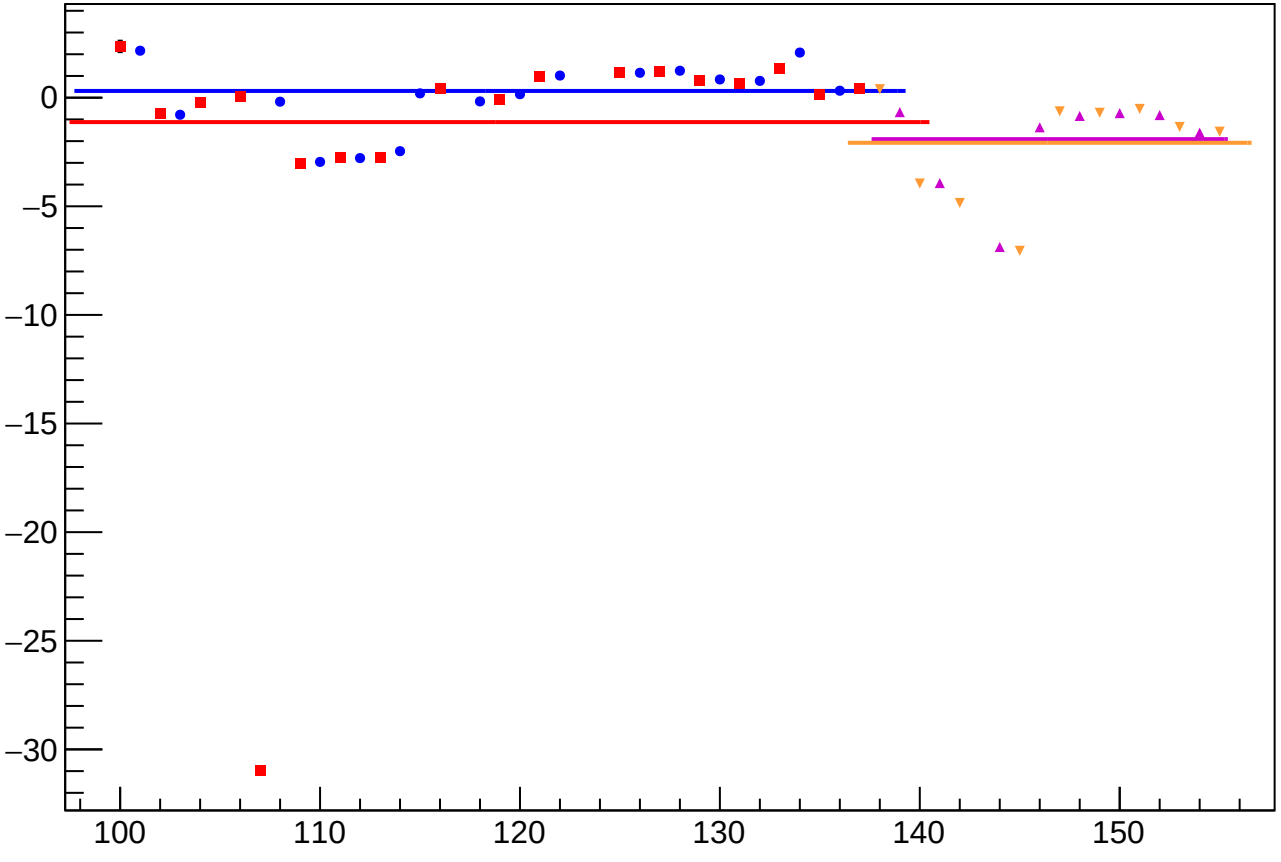
Left In: 3.576+/-0.300 χ^2/NDF:32.0/7

+ sign 1.863+/-0.232 χ^2/NDF: 323.3/24

All: 2.397+/-0.166 χ^2/NDF: 432.0/50

- sign 2.957+/-0.238 χ^2/NDF: 97.9/25

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.076+/-0.014 χ^2/NDF:27195.7/8

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

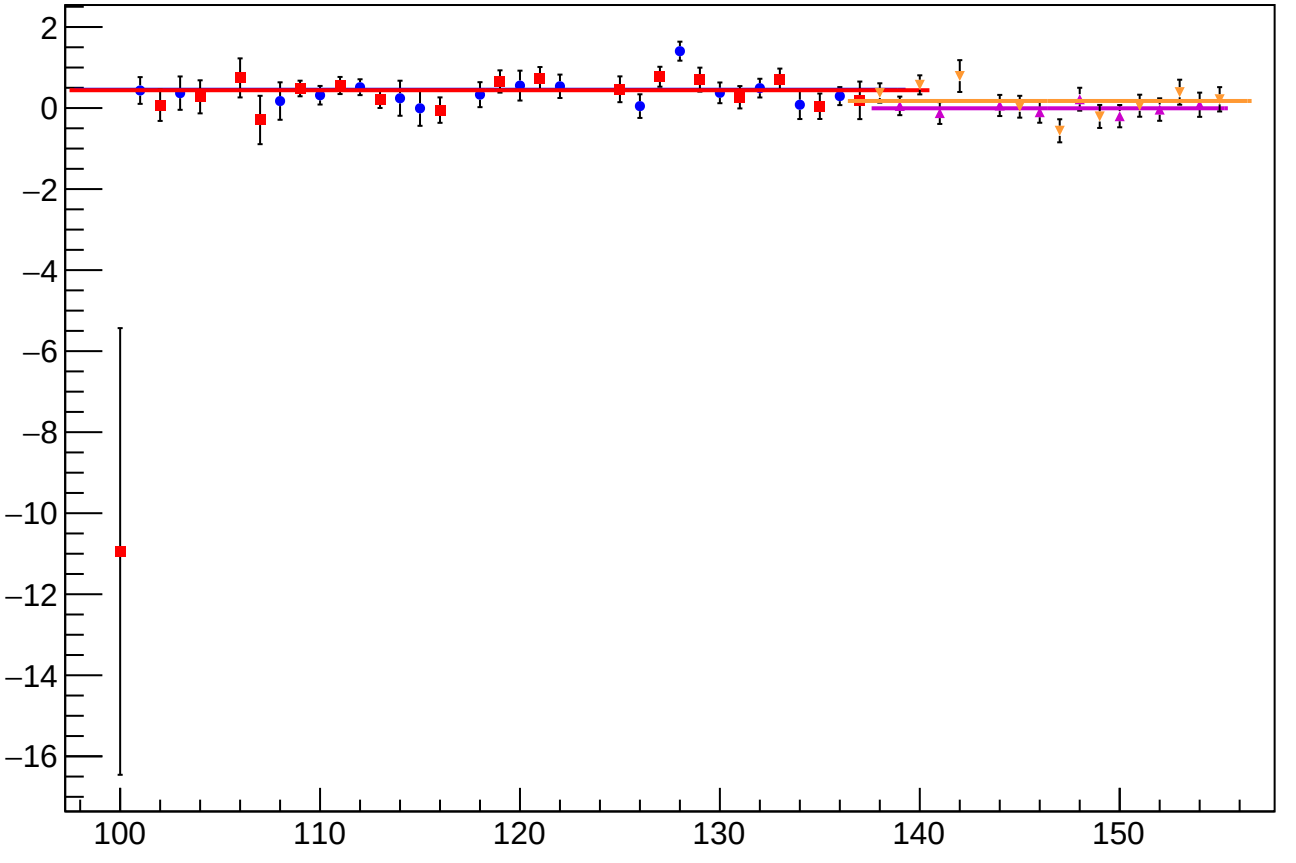
Left In: -1.908+/-0.014 χ^2/NDF:19069.2/7

+ sign -1.351+/-0.012 χ^2/NDF: 40978.6/24

All: -1.517+/-0.008 χ^2/NDF: 107710.9/50

- sign -1.688+/-0.012 χ^2/NDF: 66314.7/25

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.175+/-0.093 χ^2/NDF:15.5/8

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

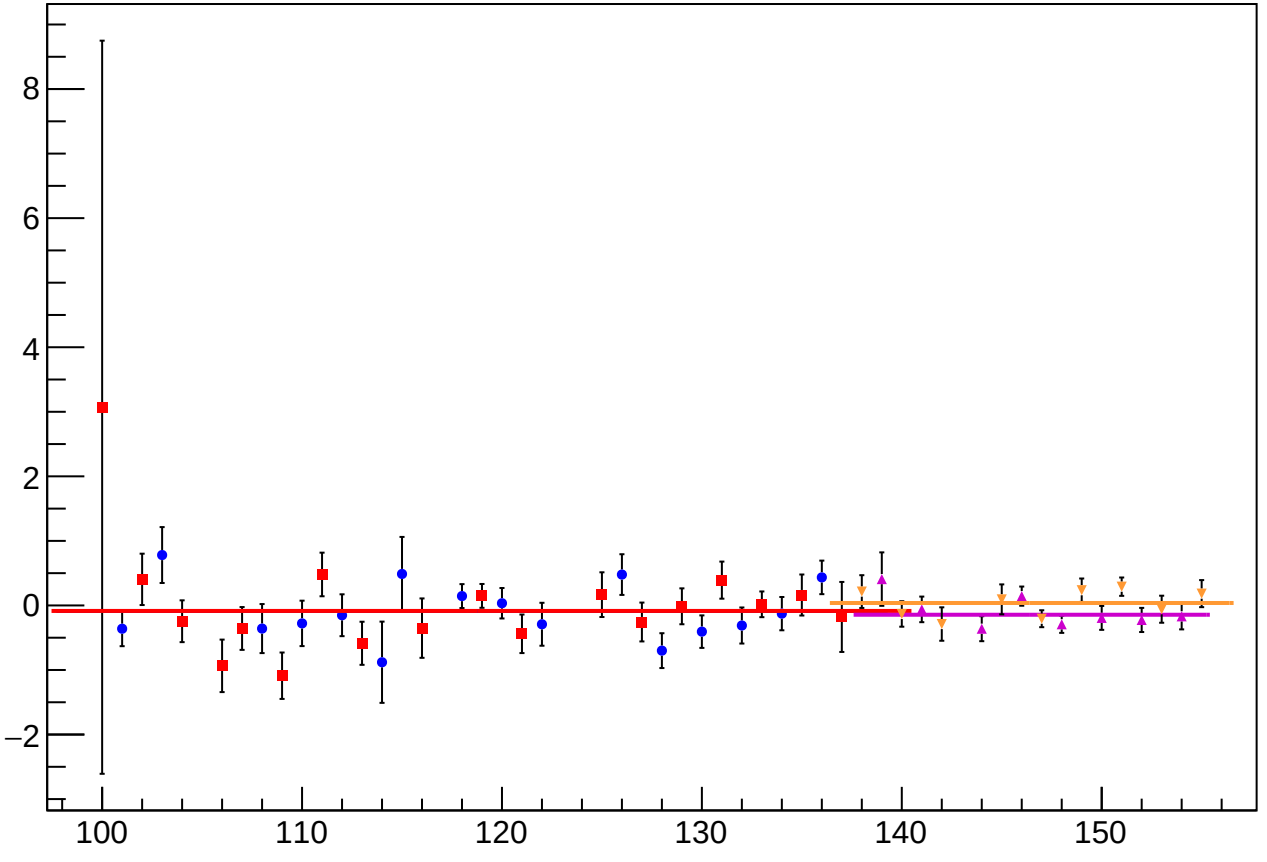
Left In: -0.006+/-0.094 χ^2/NDF:1.7/7

+ sign 0.350+/-0.056 χ^2/NDF: 43.7/24

All: 0.316+/-0.040 χ^2/NDF: 79.1/50

- sign 0.283+/-0.056 χ^2/NDF: 34.7/25

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.038+/-0.062 χ^2/NDF:11.4/8

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

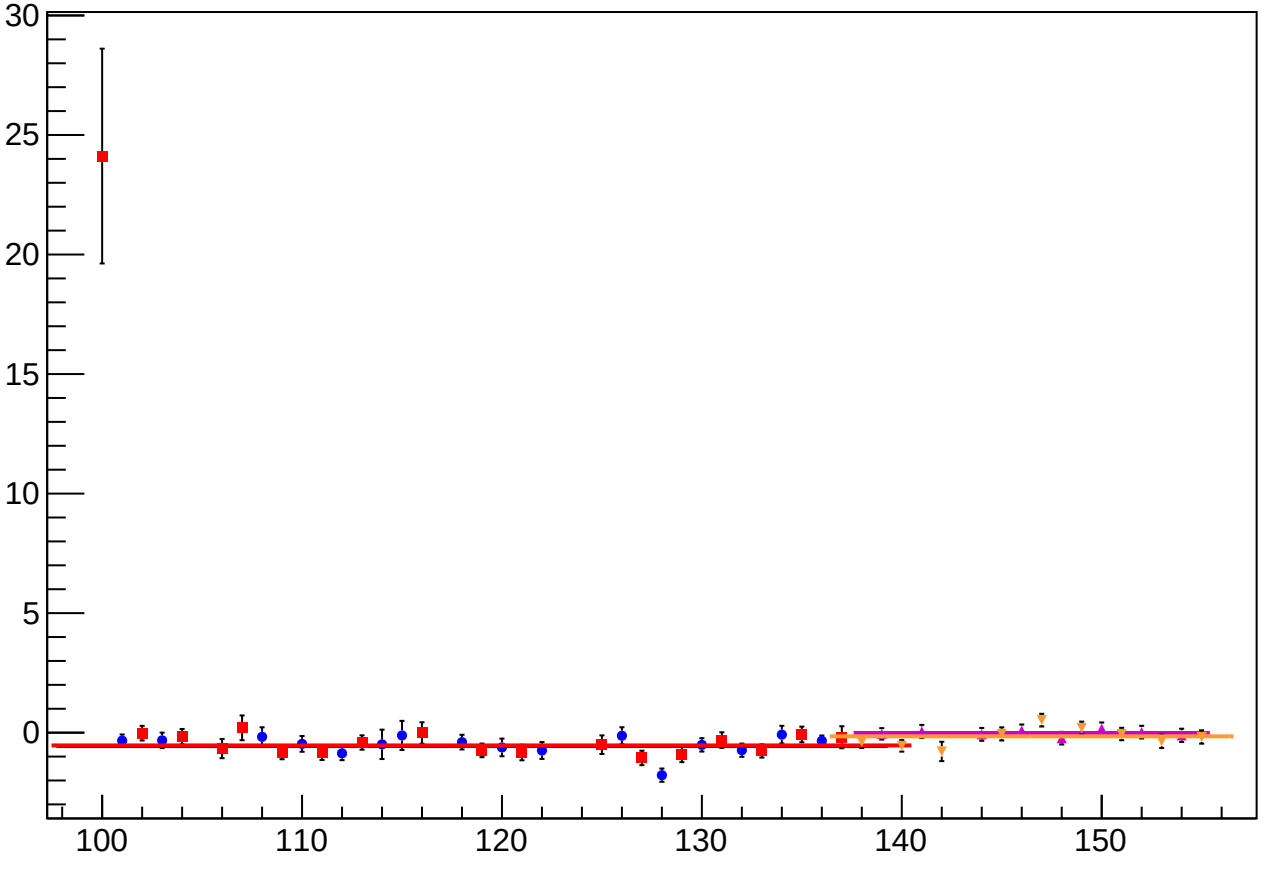
Left In: -0.144+/-0.064 χ^2/NDF:8.5/7

+ sign -0.014+/-0.047 χ^2/NDF: 38.4/24

All: -0.065+/-0.034 χ^2/NDF: 77.5/50

- sign -0.119+/-0.048 χ^2/NDF: 36.7/25

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.153+/-0.091 χ^2/NDF:15.1/8

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

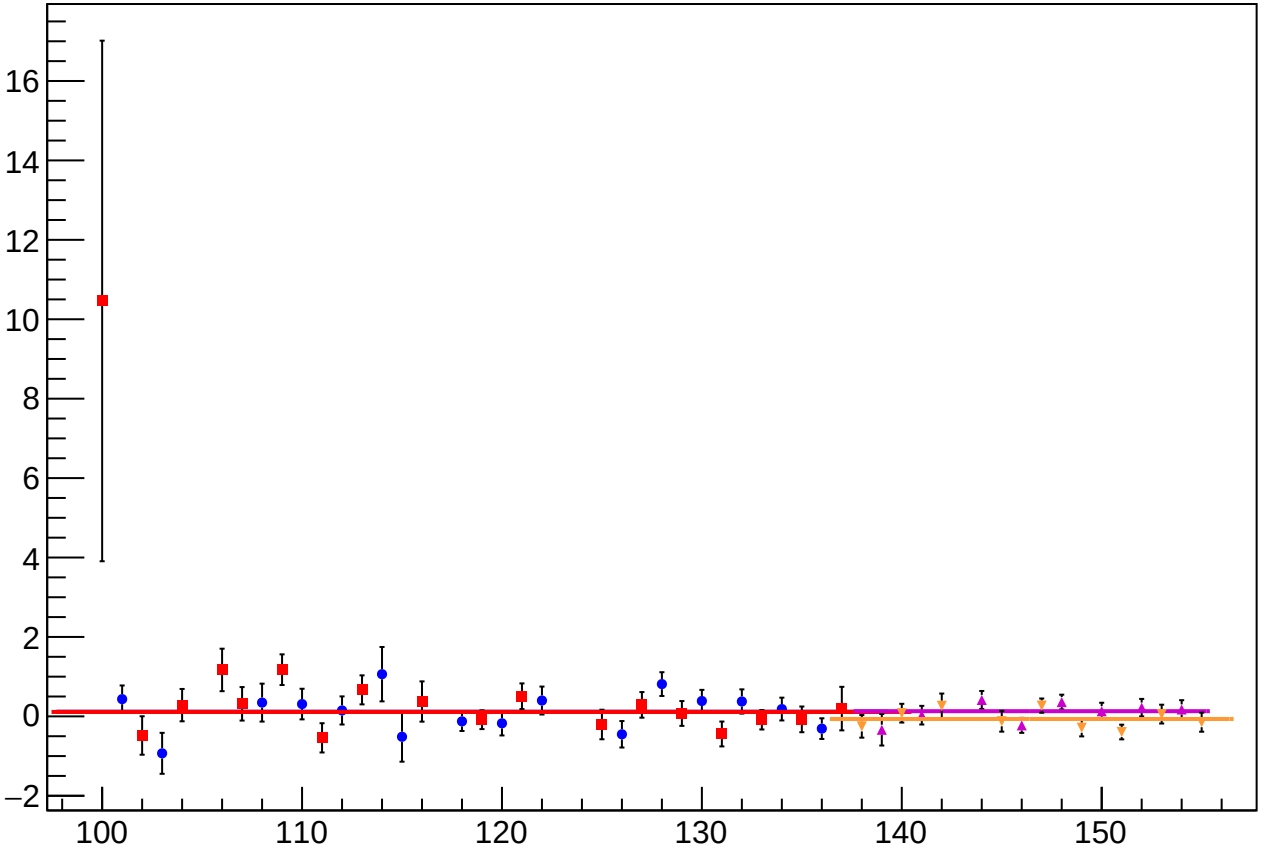
Left In: -0.014+/-0.092 χ^2/NDF:1.6/7

+ sign -0.382+/-0.060 χ^2/NDF: 54.7/24

All: -0.346+/-0.043 χ^2/NDF: 124.2/50

- sign -0.309+/-0.061 χ^2/NDF: 68.8/25

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.066+/-0.076 χ^2/NDF:10.1/8

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

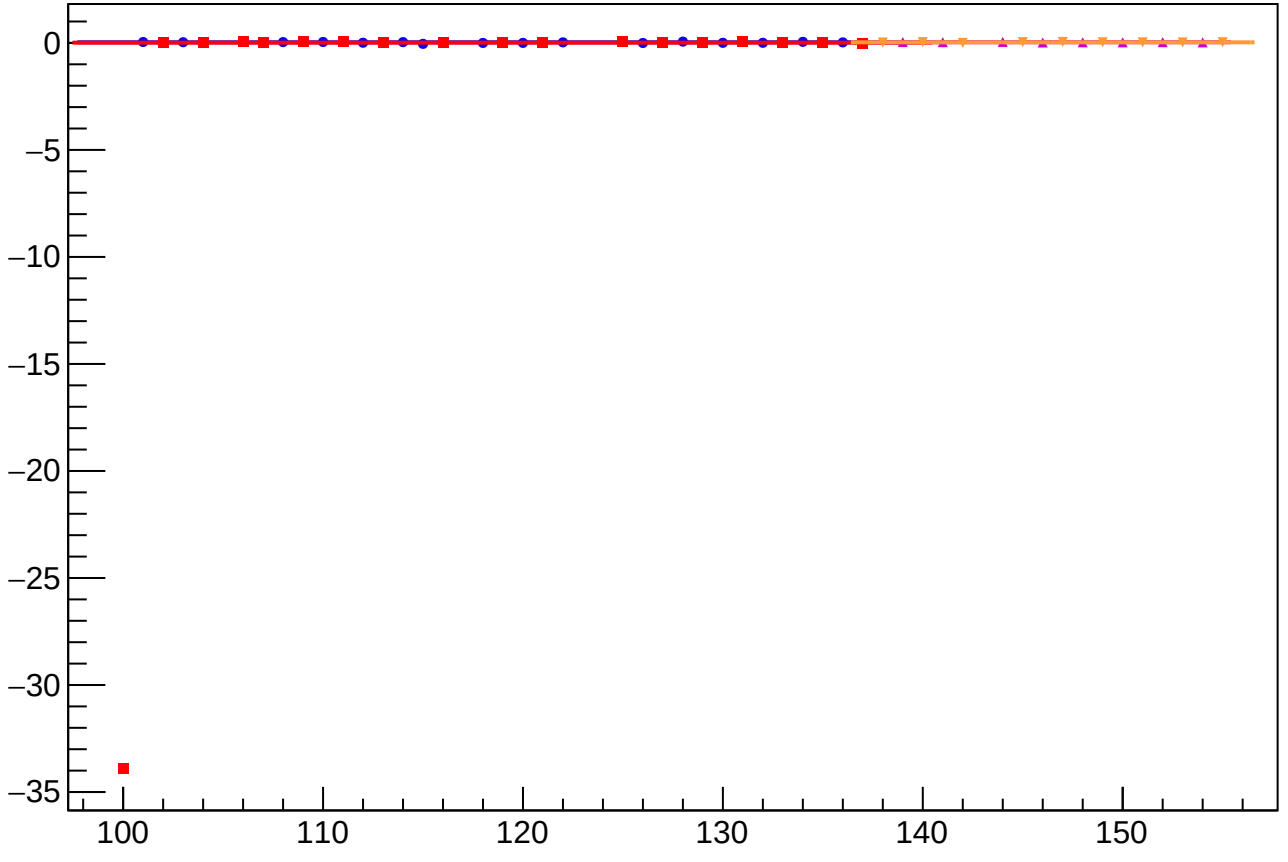
Left In: 0.131+/-0.079 χ^2/NDF:8.5/7

+ sign 0.017+/-0.056 χ^2/NDF: 36.3/24

All: 0.068+/-0.040 χ^2/NDF: 75.5/50

- sign 0.122+/-0.058 χ^2/NDF: 37.5/25

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.027+/-0.004 χ^2/NDF:7.8/8

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

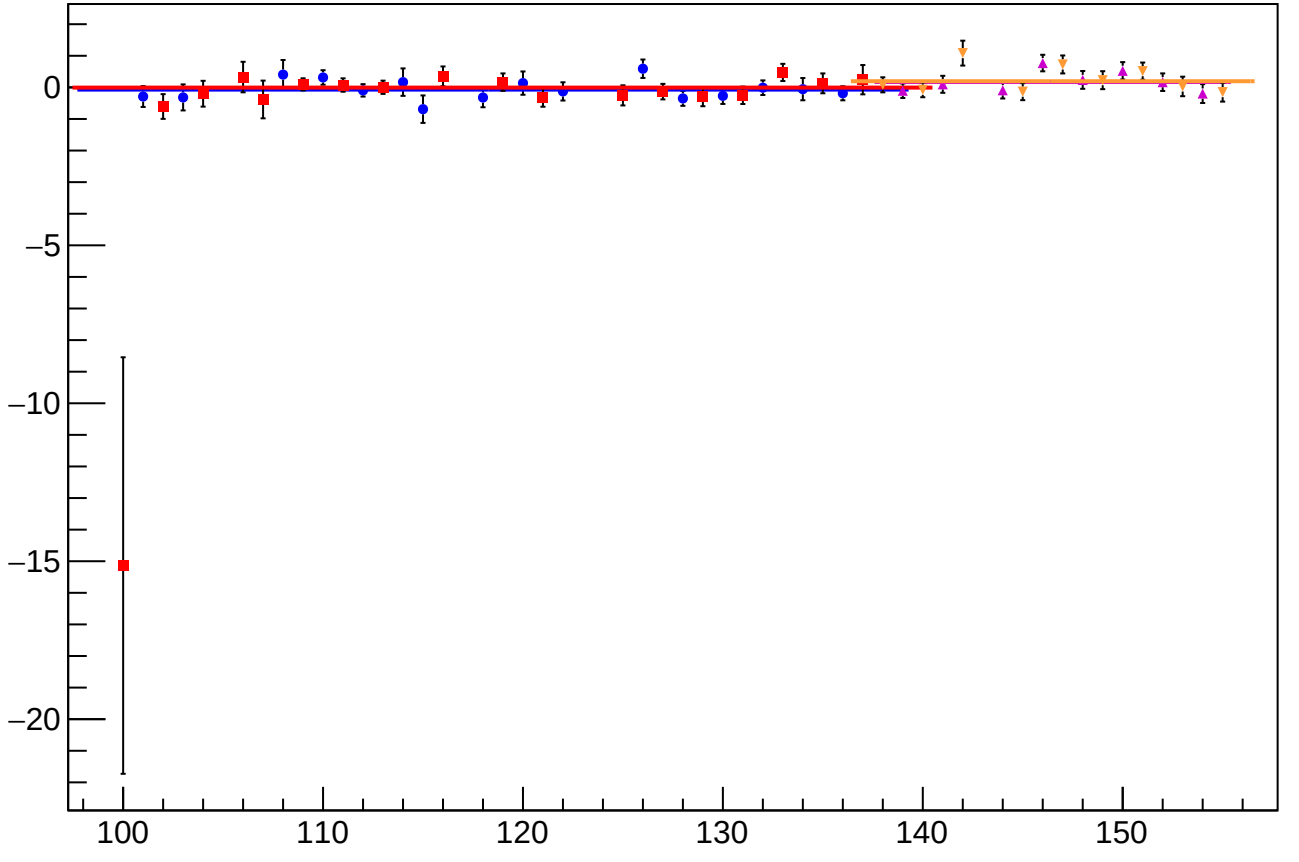
Left In: 0.033+/-0.004 χ^2/NDF:5.6/7

+ sign 0.027+/-0.003 χ^2/NDF: 22.5/24

All: 0.026+/-0.002 χ^2/NDF: 22302.2/50

- sign 0.025+/-0.003 χ^2/NDF: 22279.5/25

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.195+/-0.093 χ^2/NDF:14.6/8

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

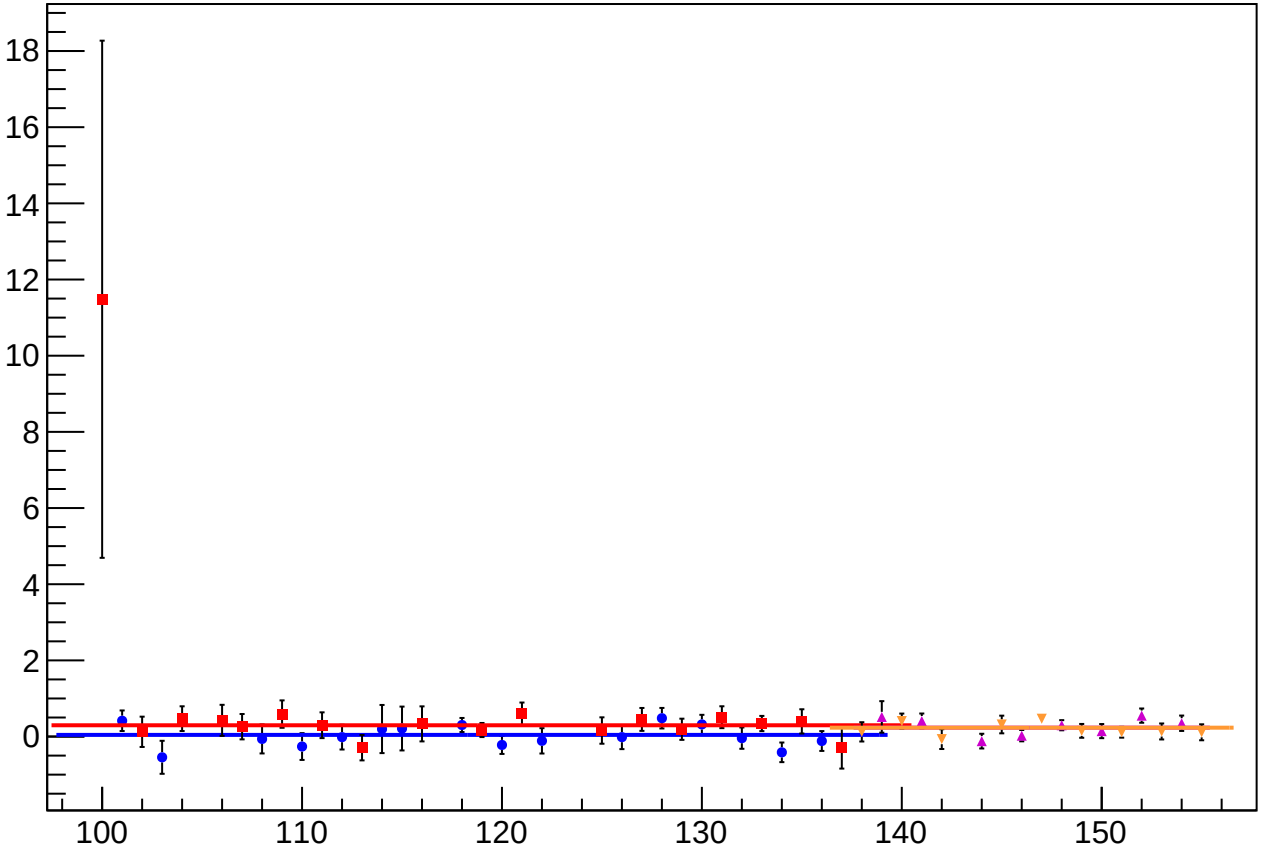
Left In: 0.170+/-0.094 χ^2/NDF:11.0/7

+ sign 0.028+/-0.057 χ^2/NDF: 35.3/24

All: 0.042+/-0.040 χ^2/NDF: 66.8/50

- sign 0.055+/-0.056 χ^2/NDF: 31.4/25

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.233+/-0.062 χ^2/NDF:7.1/8

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

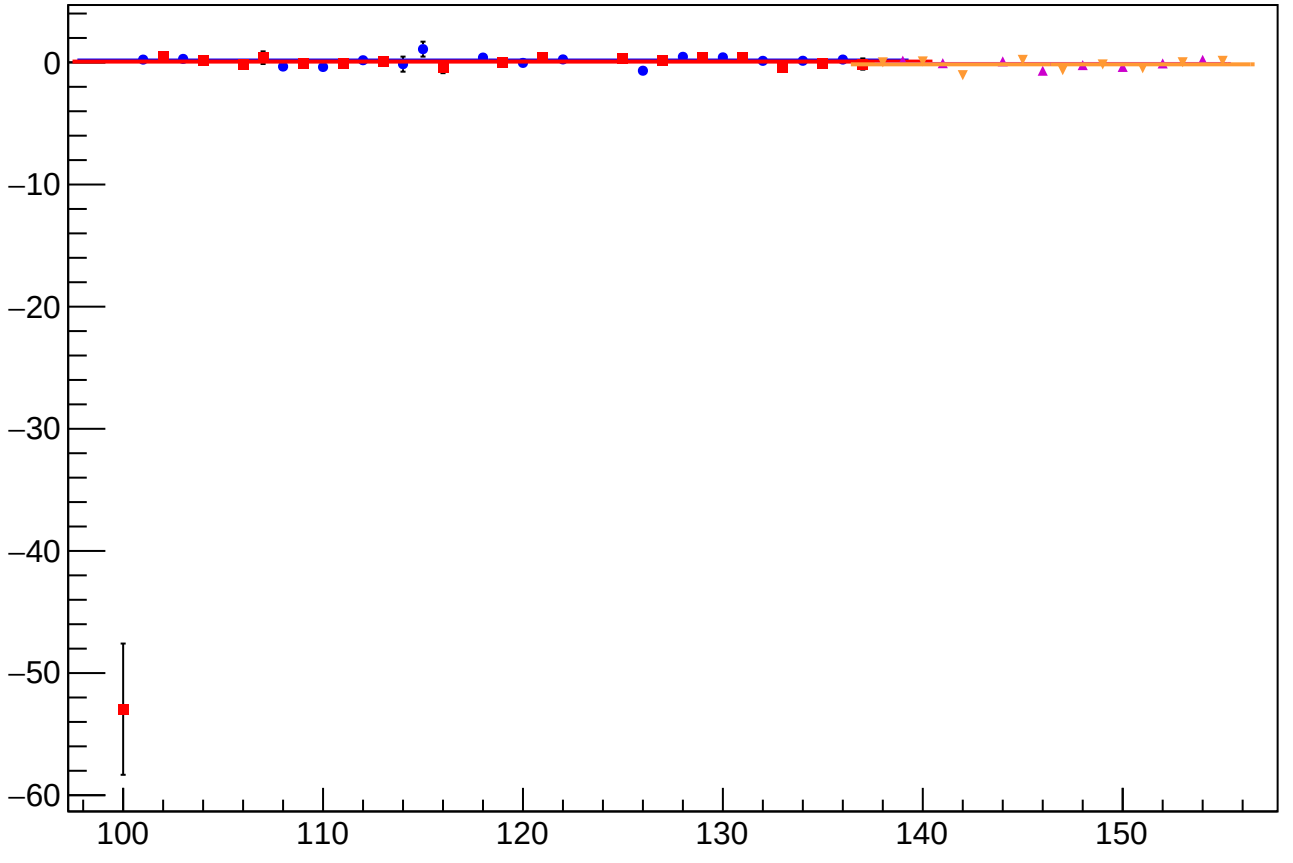
Left In: 0.233+/-0.064 χ^2/NDF:10.2/7

+ sign 0.153+/-0.047 χ^2/NDF: 26.7/24

All: 0.206+/-0.034 χ^2/NDF: 50.9/50

- sign 0.261+/-0.048 χ^2/NDF: 21.6/25

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.158+/-0.091 χ^2/NDF:14.1/8

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

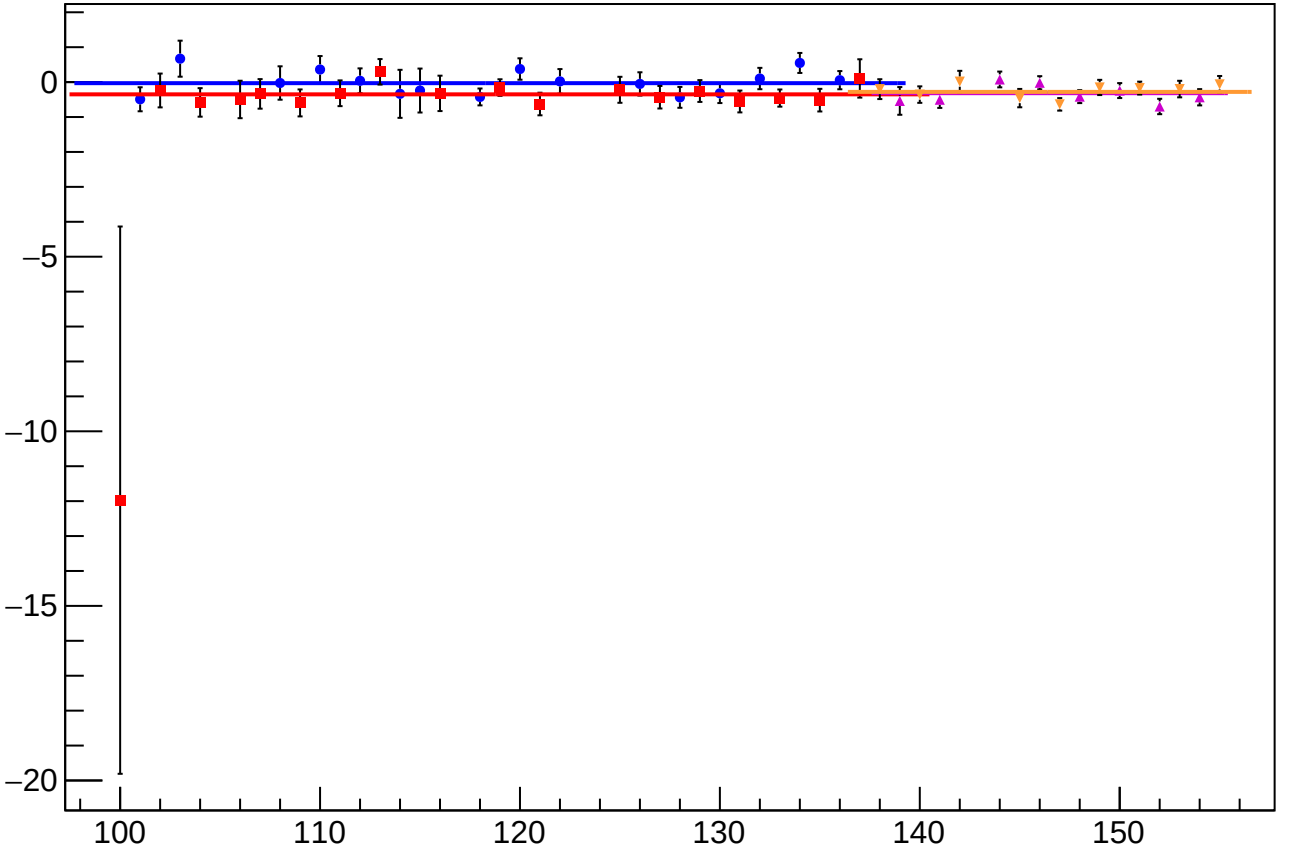
Left In: -0.129+/-0.092 χ^2/NDF:9.3/7

+ sign 0.018+/-0.060 χ^2/NDF: 36.4/24

All: -0.000+/-0.043 χ^2/NDF: 157.7/50

- sign -0.019+/-0.061 χ^2/NDF: 121.2/25

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.280+/-0.076 χ^2/NDF:7.1/8

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

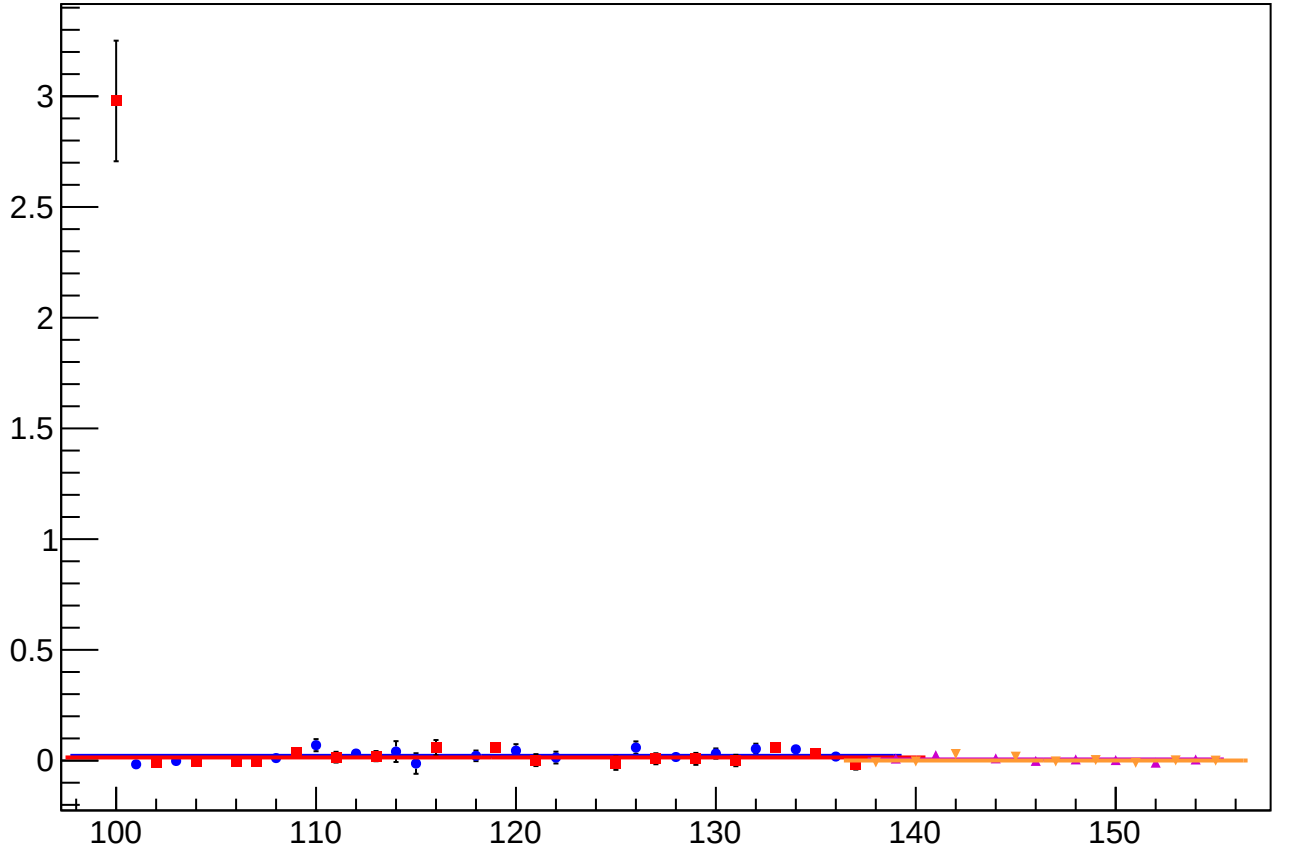
Left In: -0.317+/-0.079 χ^2/NDF:10.1/7

+ sign -0.167+/-0.056 χ^2/NDF: 28.7/24

All: -0.248+/-0.040 χ^2/NDF: 52.6/50

- sign -0.333+/-0.058 χ^2/NDF: 19.6/25

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.004 χ^2/NDF:7.7/8

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

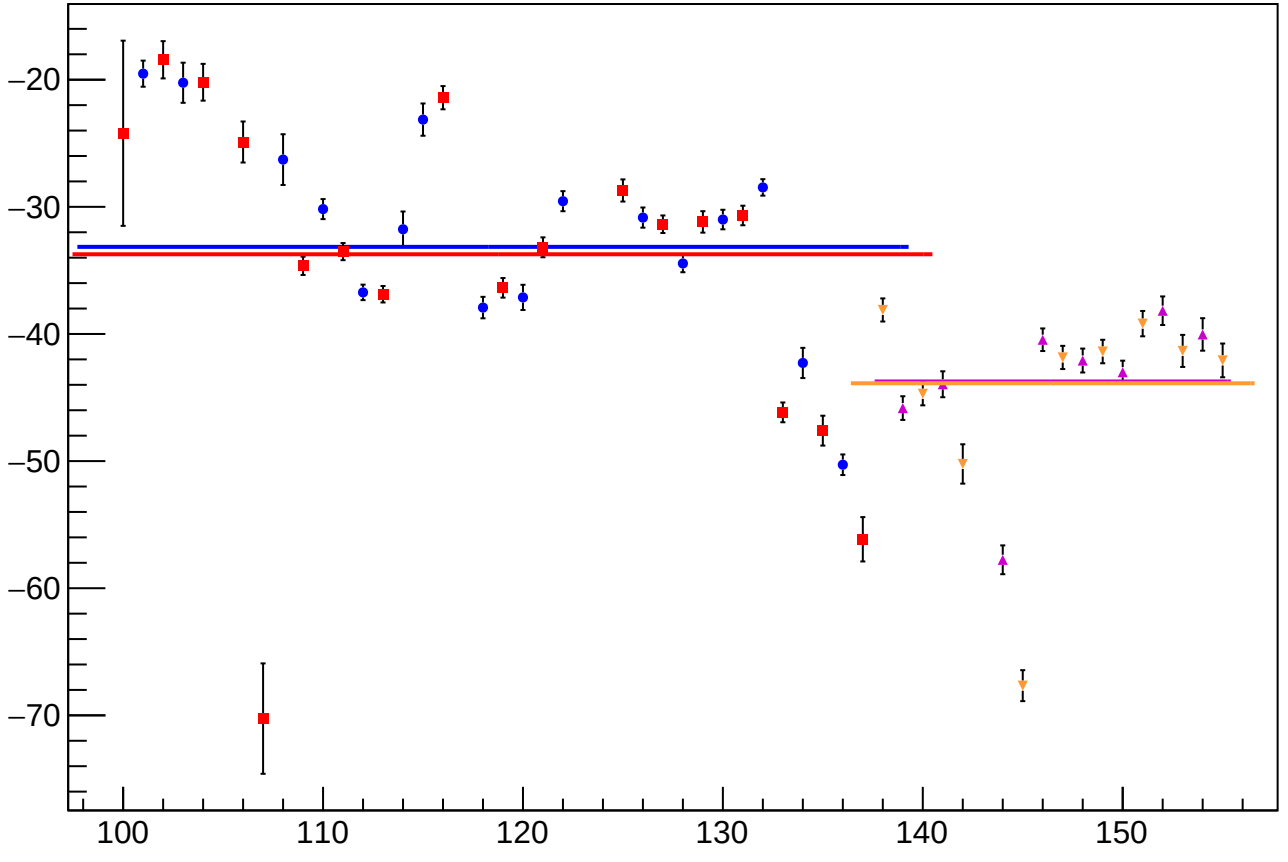
Left In: 0.005+/-0.004 χ^2/NDF:6.1/7

+ sign 0.008+/-0.003 χ^2/NDF: 42.5/24

All: 0.008+/-0.002 χ^2/NDF: 191.6/50

- sign 0.008+/-0.003 χ^2/NDF: 149.1/25

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.880+/-0.352 χ^2/NDF:479.8/8

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

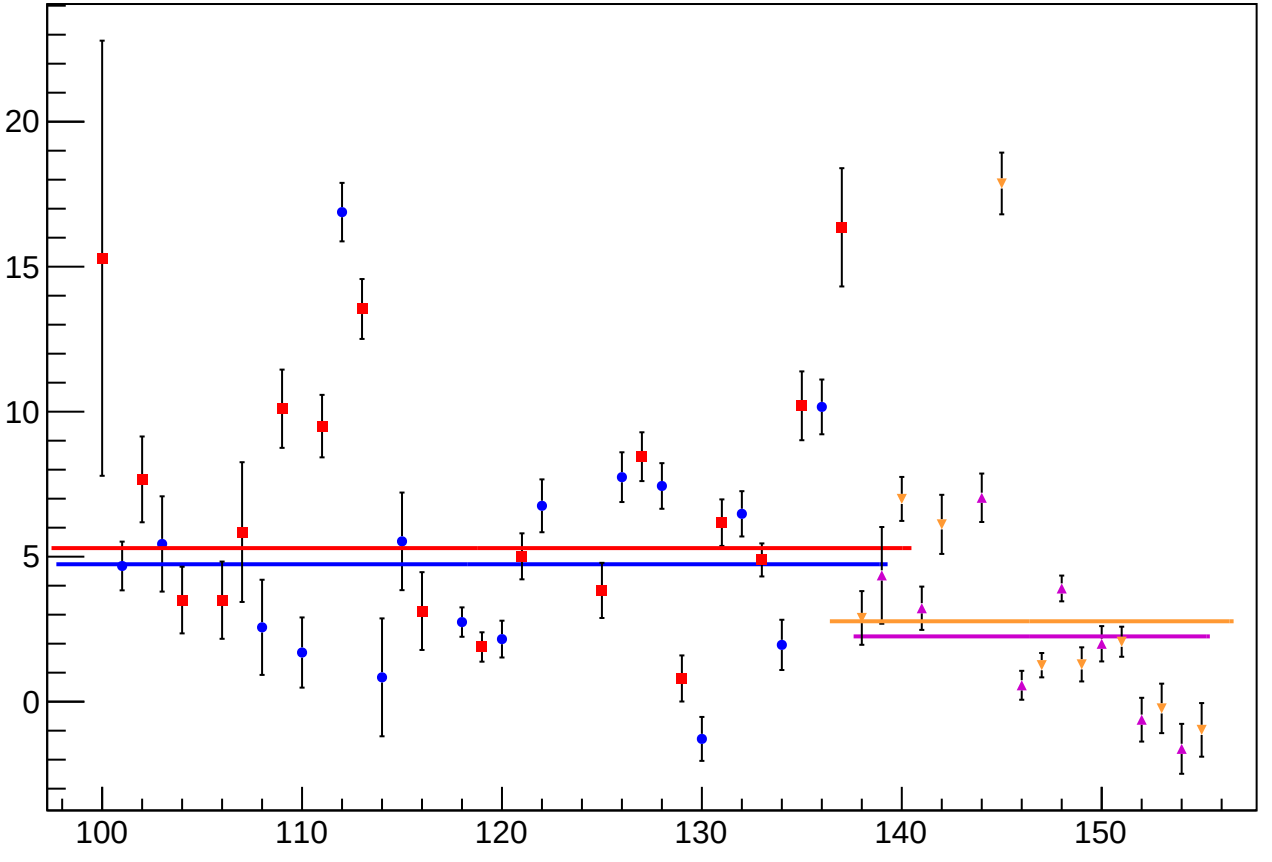
Left In: -43.734+/-0.356 χ^2/NDF:208.3/7

+ sign -36.125+/-0.185 χ^2/NDF: 2166.2/24

All: -36.266+/-0.131 χ^2/NDF: 4103.5/50

- sign -36.404+/-0.184 χ^2/NDF: 1936.2/25

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.772+/-0.226 χ^2/NDF:293.1/8

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

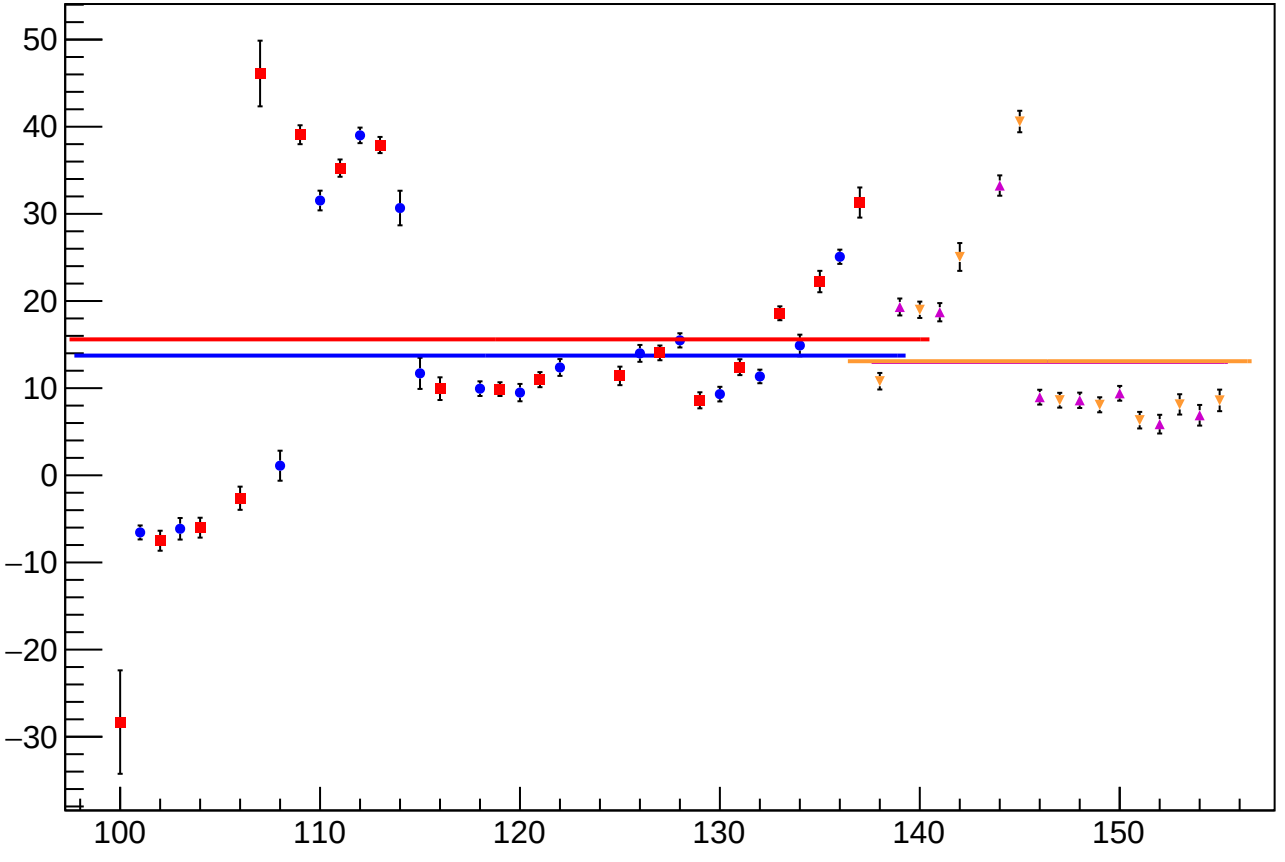
Left In: 2.251+/-0.233 χ^2/NDF:96.3/7

\+ sign 3.785+/-0.157 χ^2/NDF: 661.7/24

All: 3.809+/-0.113 χ^2/NDF: 1092.2/50

\- sign 3.835+/-0.161 χ^2/NDF: 430.5/25

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 13.091+/-0.343 χ^2/NDF:743.0/8

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

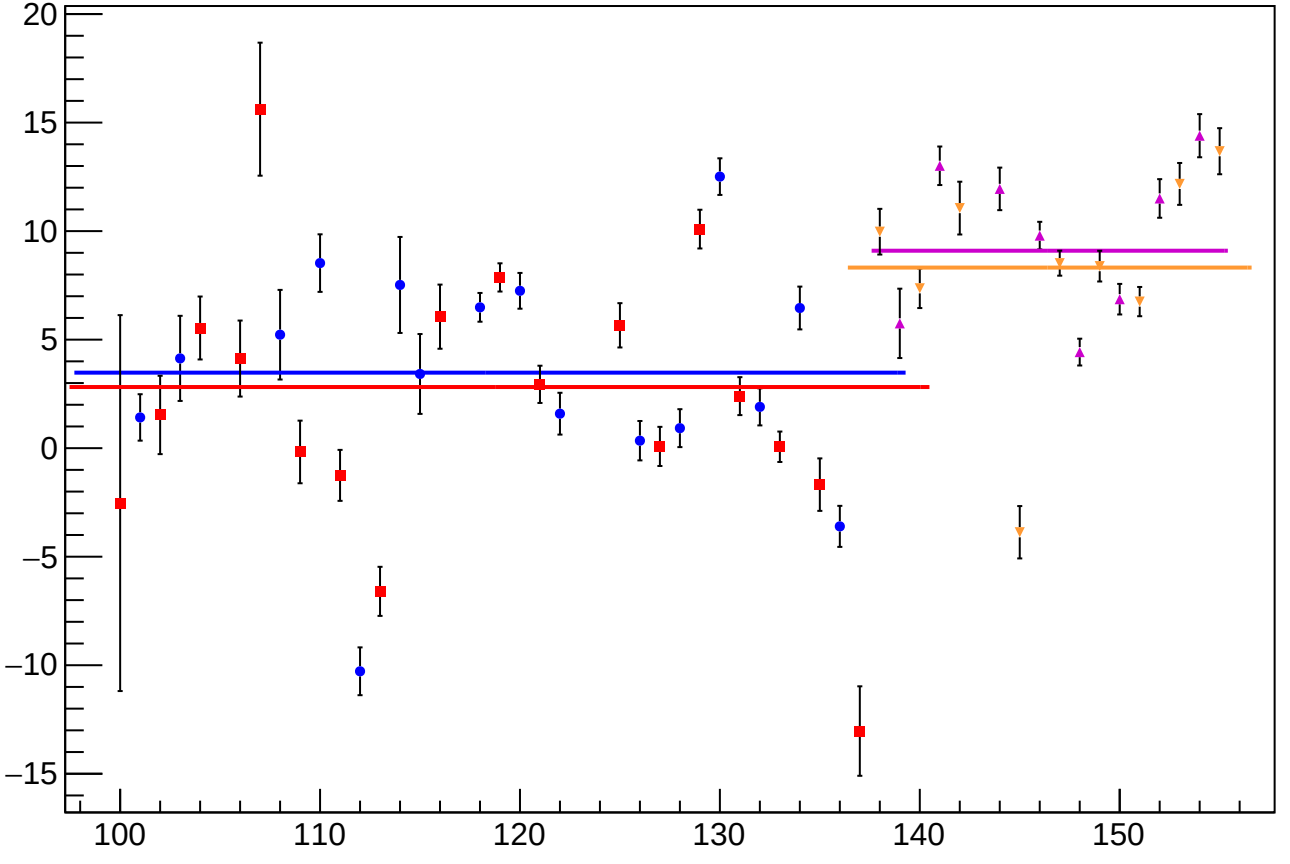
Left In: 13.002+/-0.346 χ^2/NDF:509.1/7

+ sign 13.517+/-0.200 χ^2/NDF: 3095.2/24

All: 14.105+/-0.142 χ^2/NDF: 6485.1/50

- sign 14.708+/-0.203 χ^2/NDF: 3372.4/25

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.320+/-0.281 χ^2/NDF:157.8/8

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

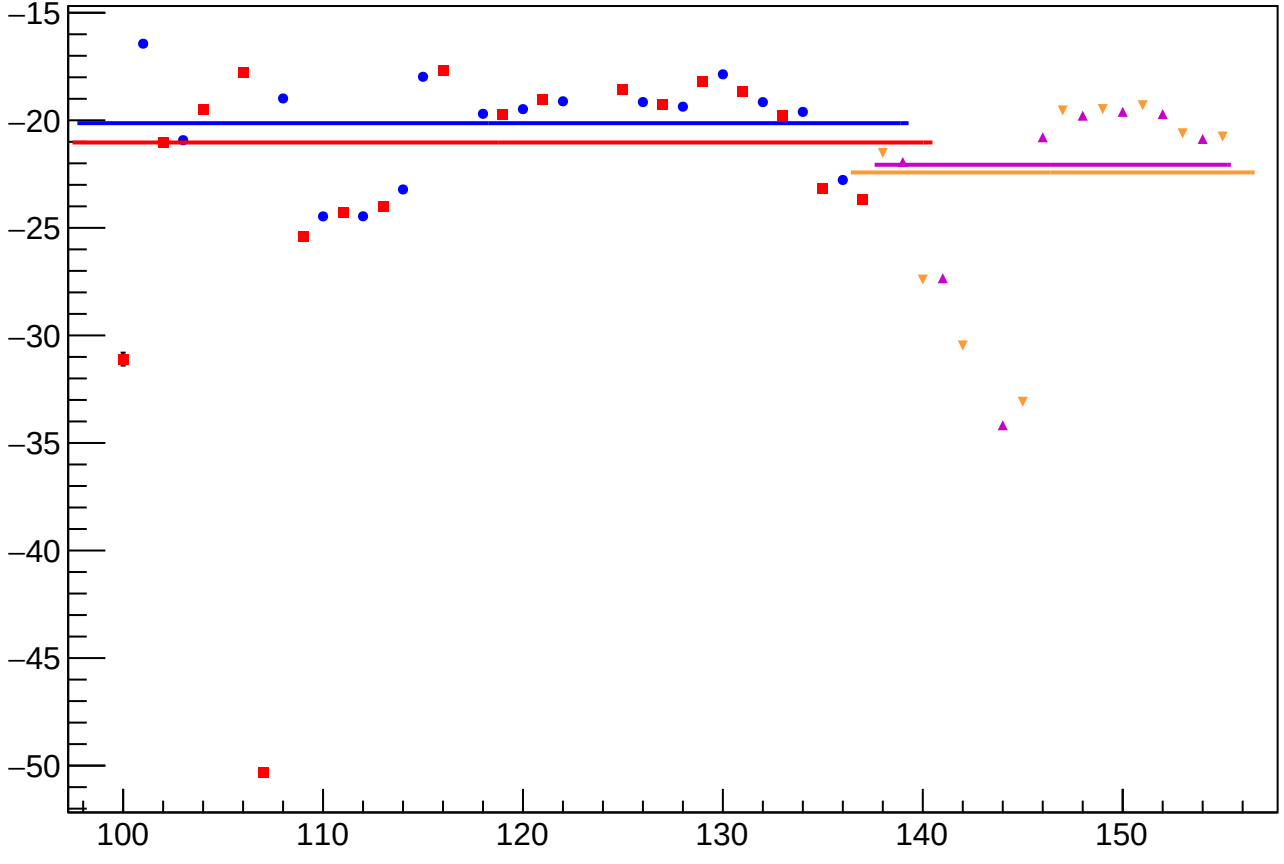
Left In: 9.097+/-0.288 χ^2/NDF:136.5/7

+ sign 5.652+/-0.188 χ^2/NDF: 748.9/24

All: 5.631+/-0.134 χ^2/NDF: 1495.7/50

- sign 5.609+/-0.192 χ^2/NDF: 746.7/25

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -22.423+/-0.014 χ^2/NDF:101067.6/8

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

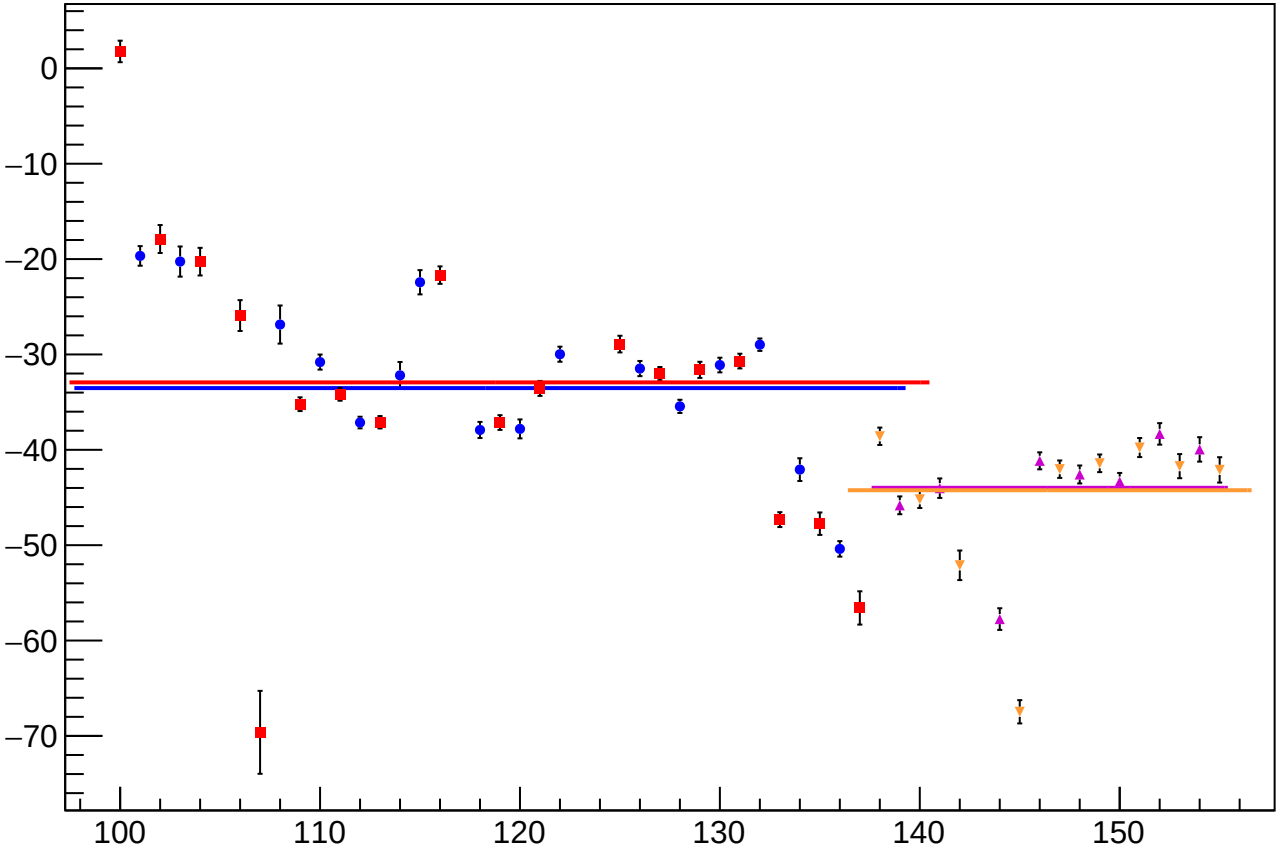
Left In: -22.067+/-0.014 χ^2/NDF:83594.5/7

+ sign -21.455+/-0.010 χ^2/NDF: 132700.5/24

All: -21.550+/-0.007 χ^2/NDF: 276348.2/50

- sign -21.647+/-0.010 χ^2/NDF: 143478.2/25

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -44.237+/-0.352 χ^2/NDF:469.7/8

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

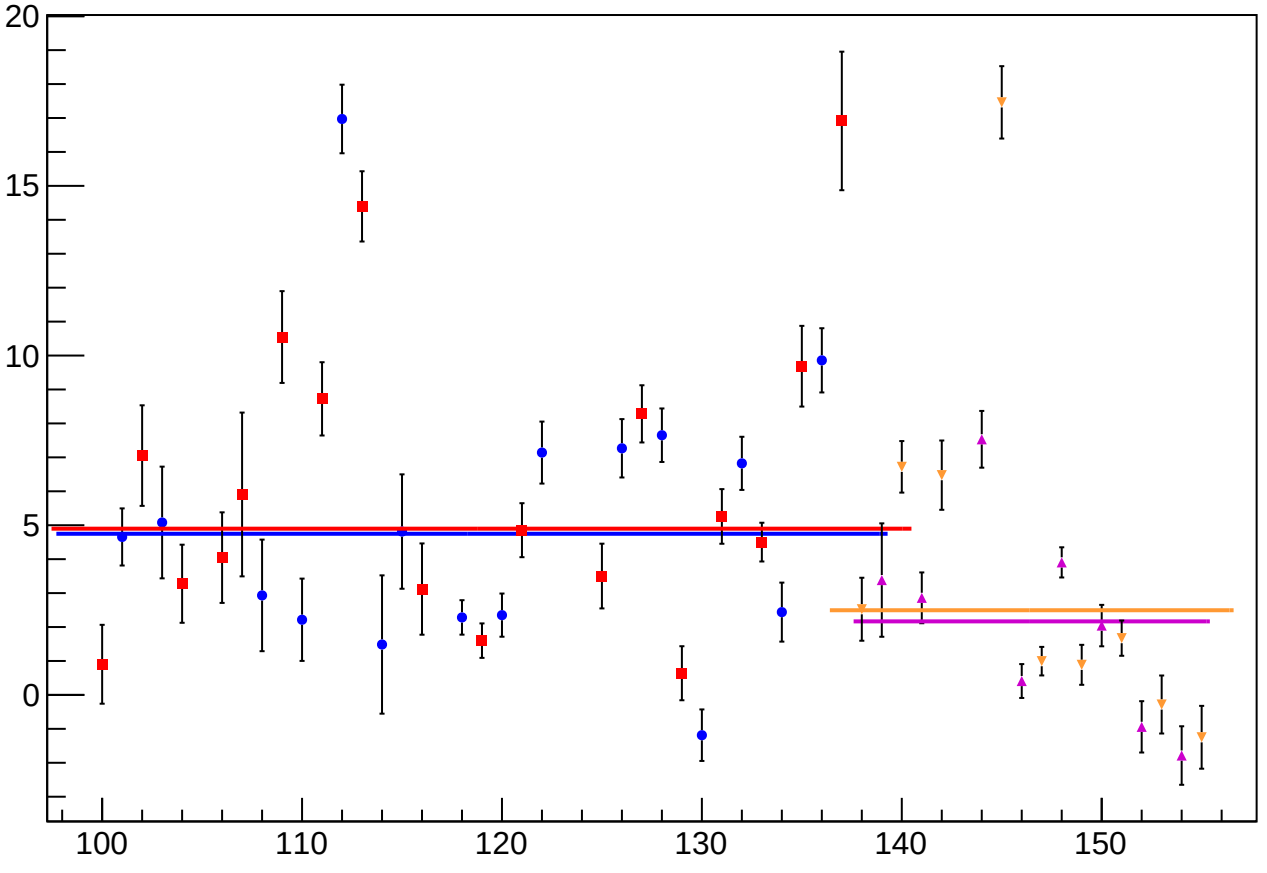
Left In: -43.983+/-0.356 χ^2/NDF:198.6/7

+ sign -36.501+/-0.186 χ^2/NDF: 2145.6/24

All: -36.149+/-0.130 χ^2/NDF: 5232.2/50

- sign -35.811+/-0.182 χ^2/NDF: 3079.5/25

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.495+/-0.226 χ^2/NDF:292.6/8

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

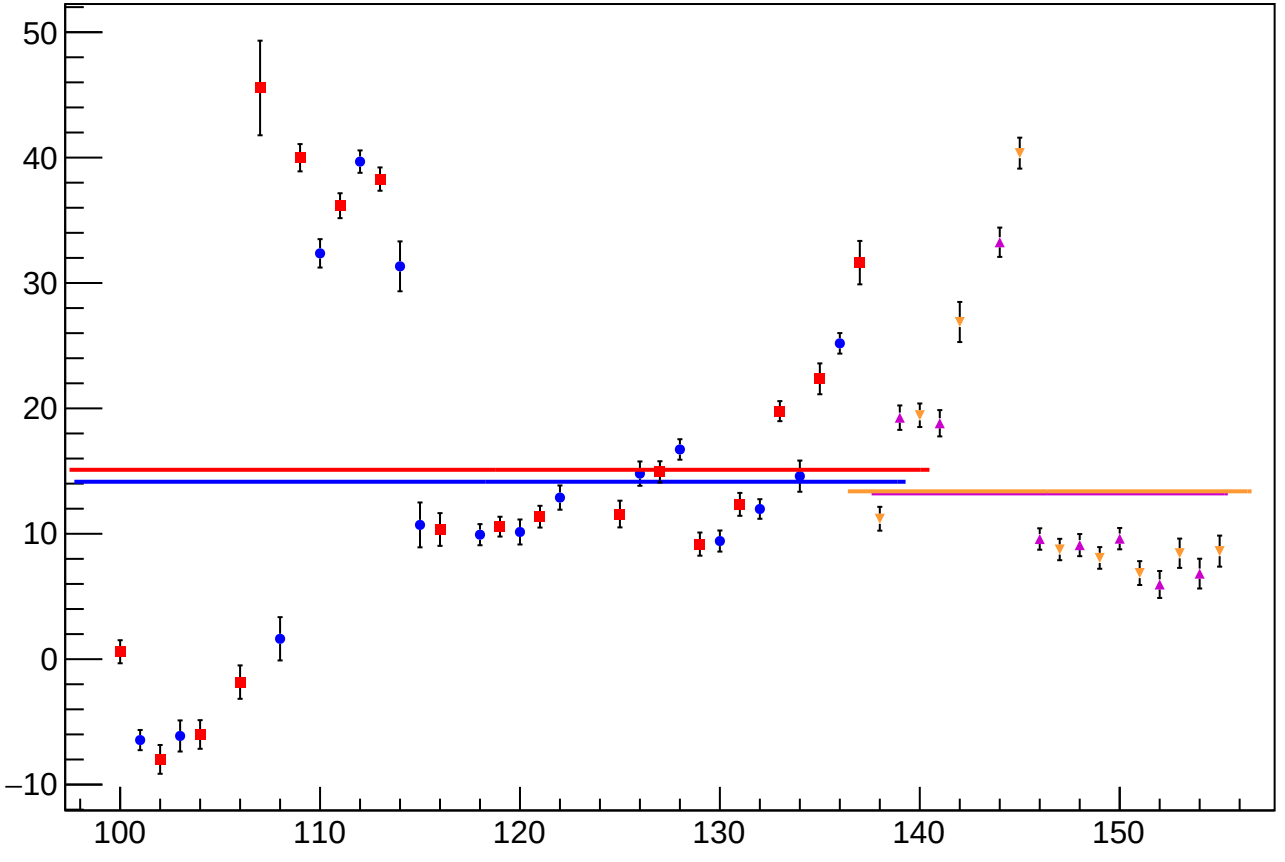
Left In: 2.167+/-0.233 χ^2/NDF:108.2/7

+ sign 3.655+/-0.158 χ^2/NDF: 669.4/24

All: 3.634+/-0.112 χ^2/NDF: 1123.3/50

- sign 3.611+/-0.160 χ^2/NDF: 453.9/25

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 13.386+/-0.343 χ^2/NDF:742.3/8

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

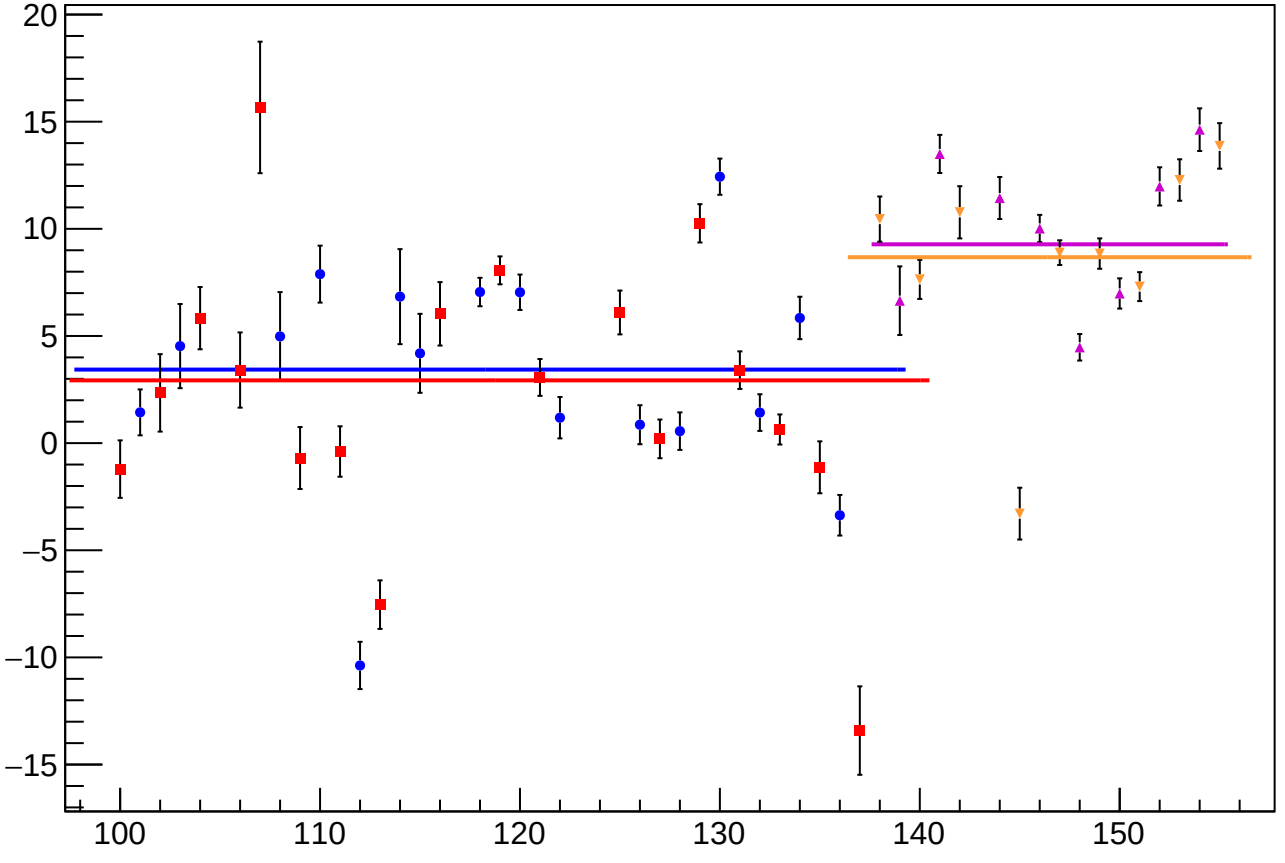
Left In: 13.221+/-0.347 χ^2/NDF:493.3/7

+ sign 13.888+/-0.201 χ^2/NDF: 3147.9/24

All: 14.191+/-0.141 χ^2/NDF: 6767.8/50

- sign 14.487+/-0.198 χ^2/NDF: 3615.4/25

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.675+/-0.282 χ^2/NDF:147.1/8

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

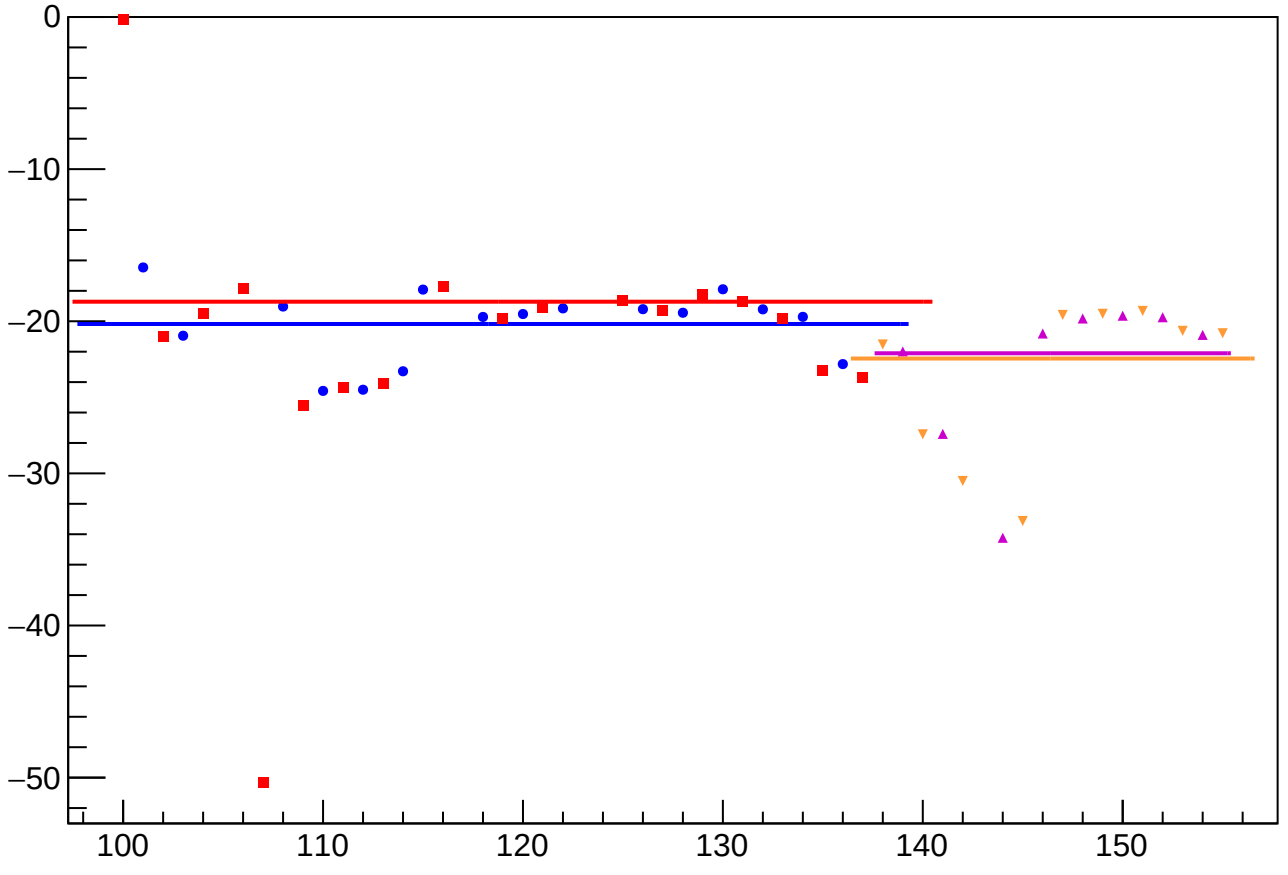
Left In: 9.277+/-0.288 χ^2/NDF:140.4/7

+ sign 5.786+/-0.189 χ^2/NDF: 762.2/24

All: 5.742+/-0.134 χ^2/NDF: 1544.3/50

- sign 5.697+/-0.190 χ^2/NDF: 782.0/25

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.449+/-0.014 χ^2/NDF:100862.2/8

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

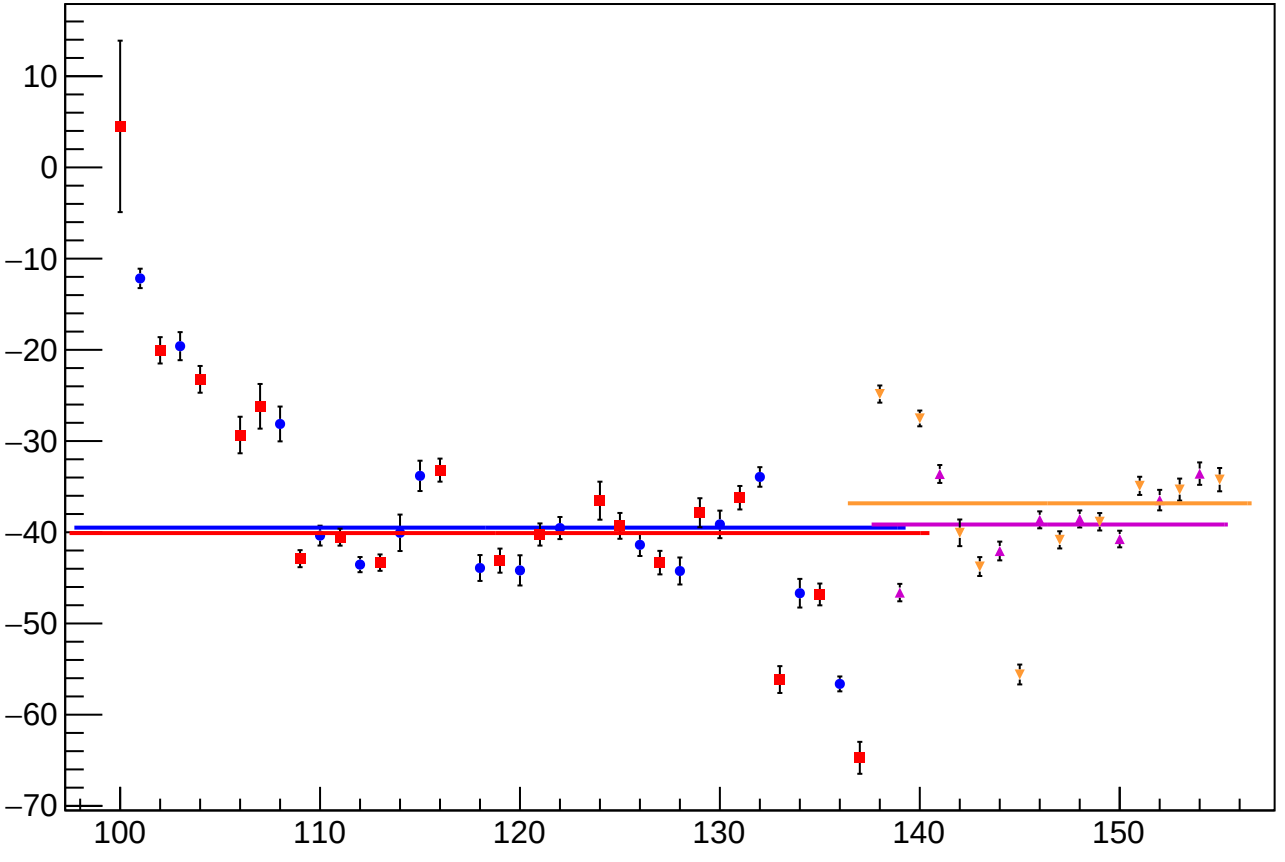
Left In: -22.103+/-0.014 χ^2/NDF:83741.3/7

+ sign -21.490+/-0.010 χ^2/NDF: 132256.2/24

All: -21.055+/-0.007 χ^2/NDF: 480956.9/50

- sign -20.635+/-0.010 χ^2/NDF: 345281.4/25

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -36.827+/-0.329 χ^2/NDF:656.8/9

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

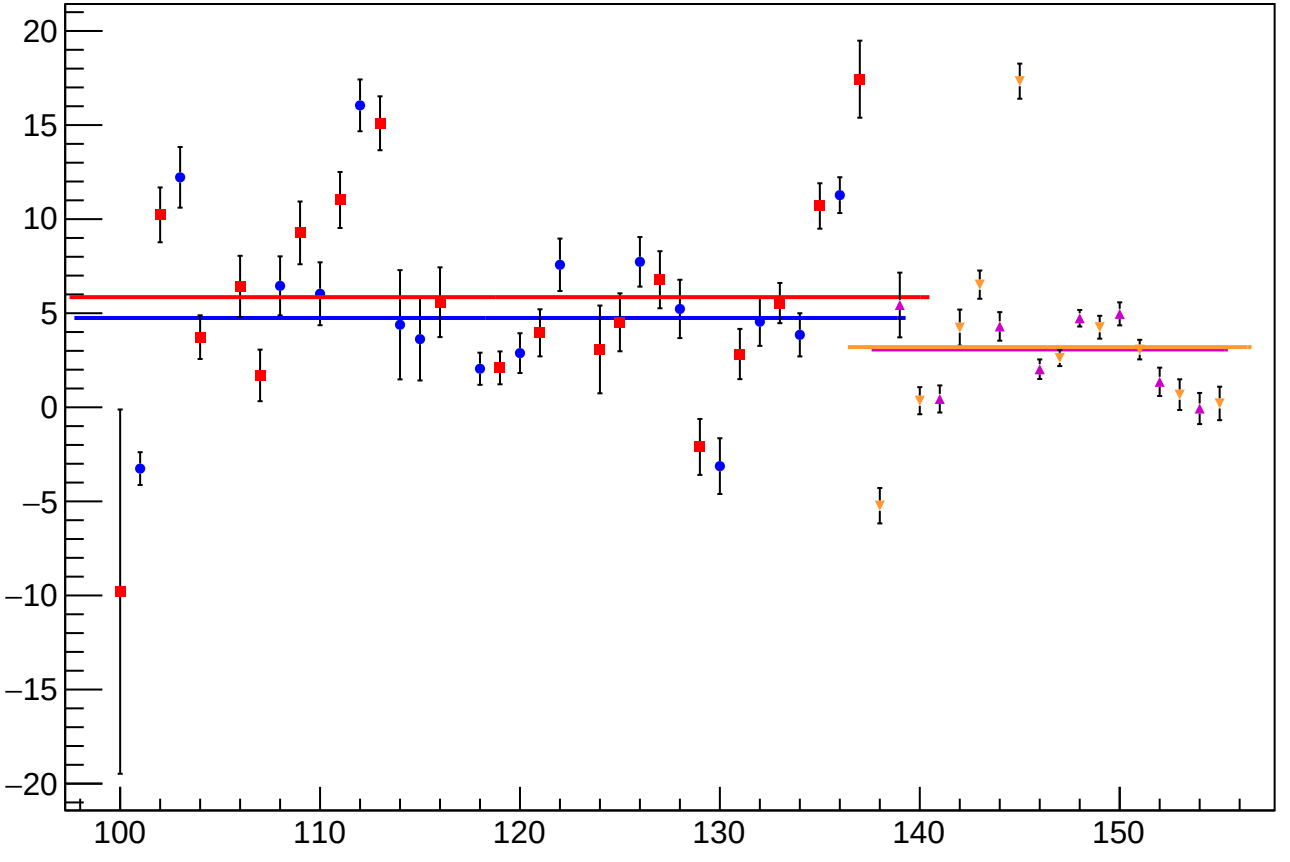
Left In: -39.150+/-0.353 χ^2/NDF:130.9/7

+ sign -38.236+/-0.226 χ^2/NDF: 2108.6/25

All: -38.942+/-0.162 χ^2/NDF: 3098.5/52

- sign -39.685+/-0.232 χ^2/NDF: 969.8/26

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.199+/-0.215 χ^2/NDF:372.0/9

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

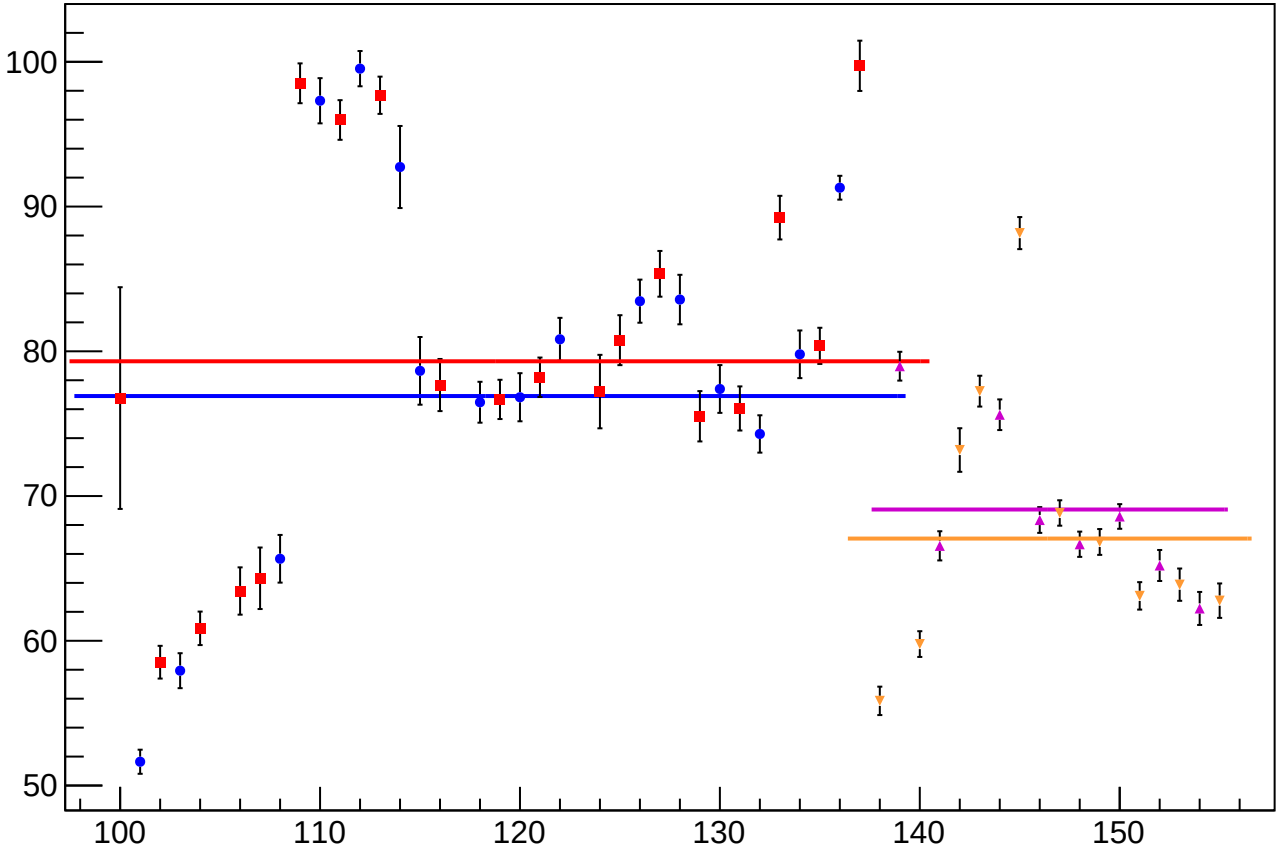
Left In: 3.073+/-0.231 χ^2/NDF:65.3/7

+ sign 3.690+/-0.178 χ^2/NDF: 662.2/25

All: 3.841+/-0.129 χ^2/NDF: 965.6/52

- sign 4.009+/-0.188 χ^2/NDF: 301.9/26

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.062+/-0.323 χ^2/NDF:711.1/9

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

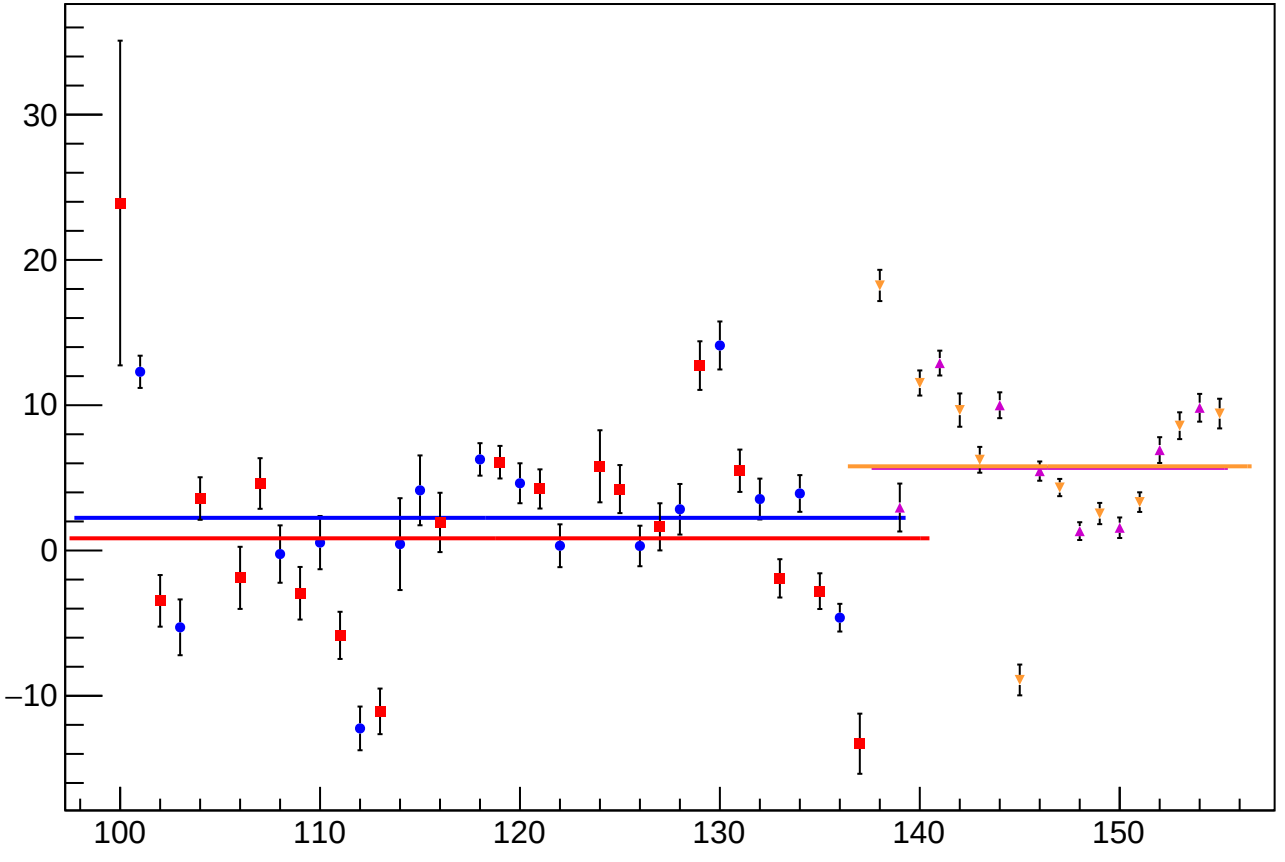
Left In: 69.070+/-0.343 χ^2/NDF:200.9/7

+ sign 71.771+/-0.233 χ^2/NDF: 3272.8/25

All: 72.891+/-0.169 χ^2/NDF: 5457.6/52

- sign 74.124+/-0.244 χ^2/NDF: 2136.2/26

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.794+/-0.266 χ^2/NDF:443.2/9

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

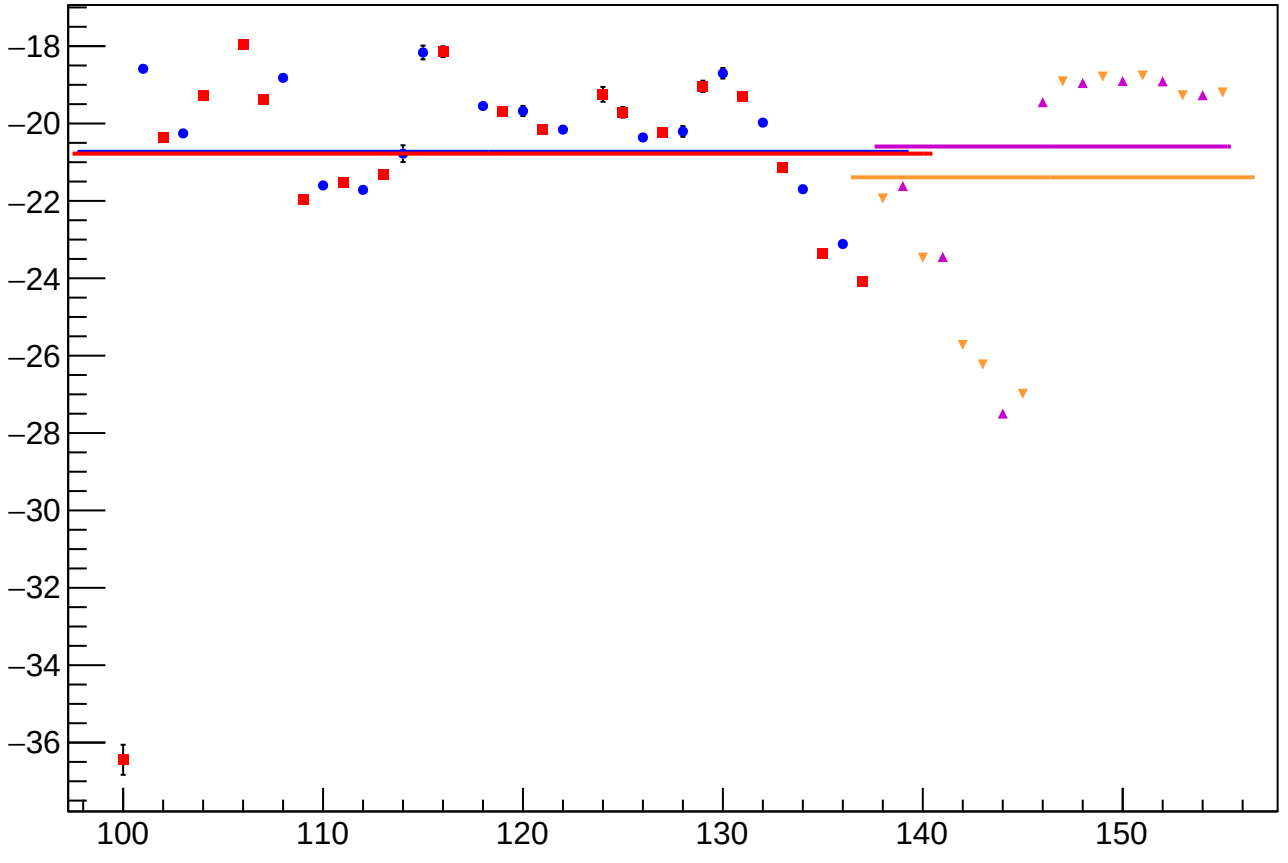
Left In: 5.689+/-0.285 χ^2/NDF:202.7/7

+ sign 4.557+/-0.214 χ^2/NDF: 825.0/25

All: 4.244+/-0.156 χ^2/NDF: 1395.4/52

- sign 3.896+/-0.226 χ^2/NDF: 565.9/26

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.390+/-0.013 χ^2/NDF:55988.4/9

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

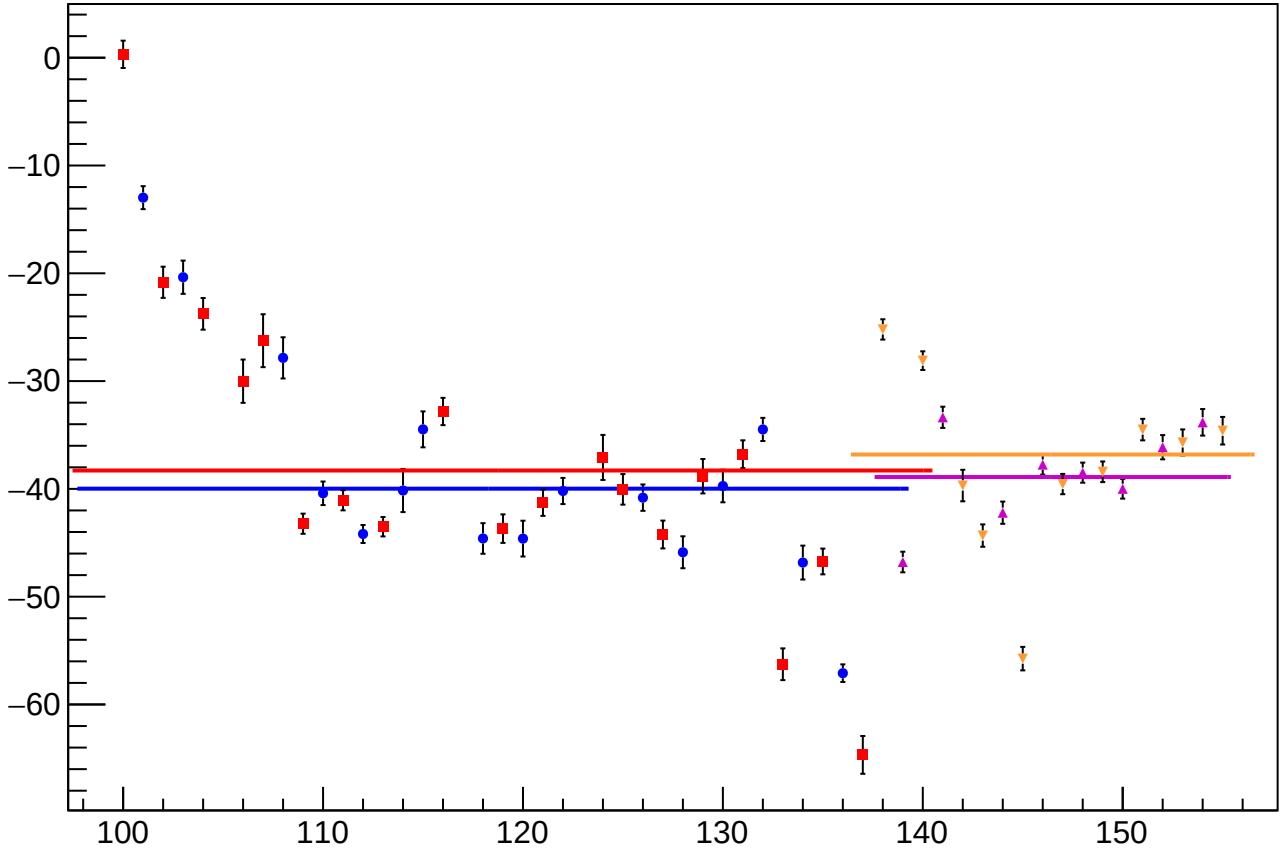
Left In: -20.594+/-0.013 χ^2/NDF:35349.5/7

+ sign -21.188+/-0.011 χ^2/NDF: 64417.2/25

All: -20.931+/-0.008 χ^2/NDF: 110443.8/52

- sign -20.651+/-0.011 χ^2/NDF: 44833.5/26

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -36.810+/-0.329 χ^2/NDF:631.2/9

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

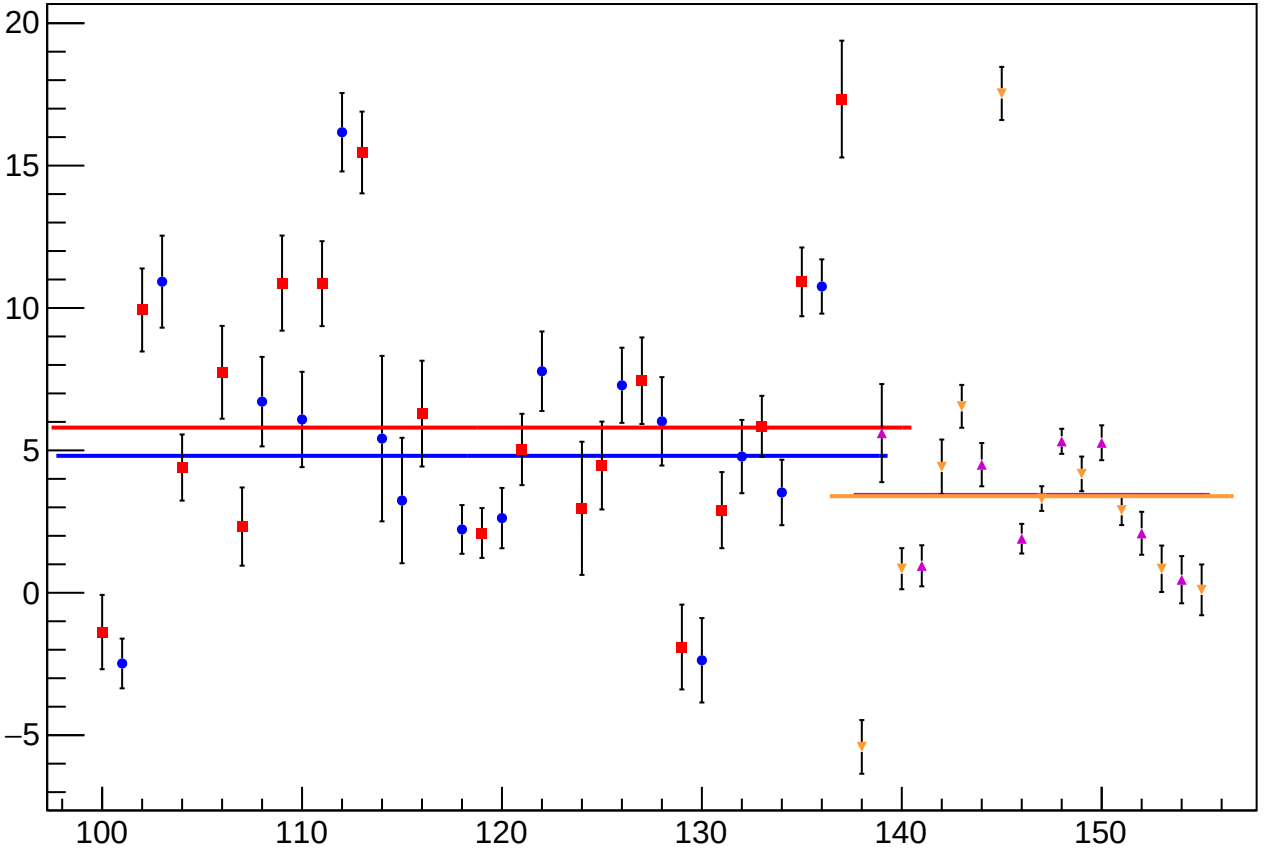
Left In: -38.899+/-0.353 χ^2/NDF:136.1/7

+ sign -38.485+/-0.226 χ^2/NDF: 2078.5/25

All: -38.516+/-0.161 χ^2/NDF: 3990.1/52

- sign -38.547+/-0.228 χ^2/NDF: 1911.5/26

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 3.393+/-0.216 χ^2/NDF:373.7/9

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

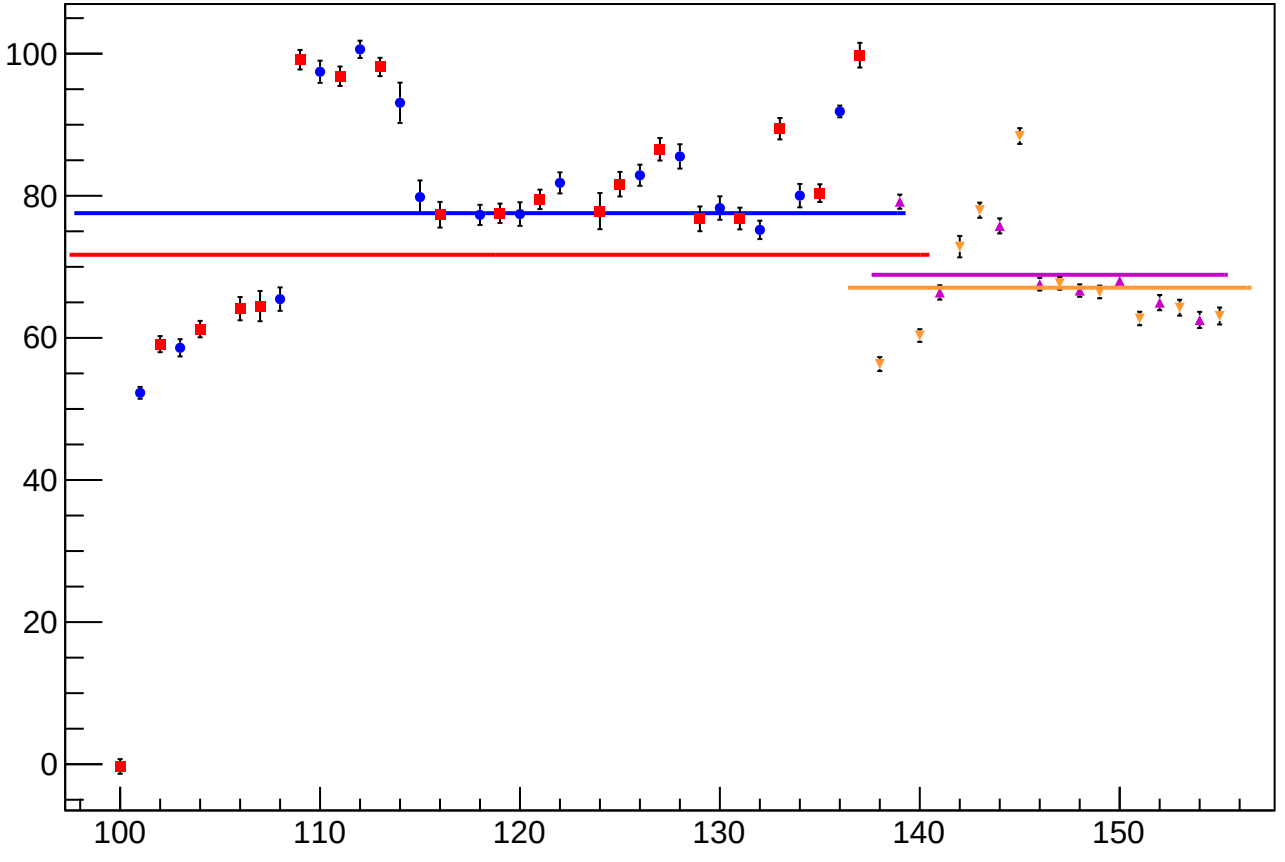
Left In: 3.437+/-0.231 χ^2/NDF:67.5/7

\+ sign 3.842+/-0.178 χ^2/NDF: 627.8/25

All: 4.044+/-0.129 χ^2/NDF: 951.0/52

\- sign 4.264+/-0.186 χ^2/NDF: 320.5/26

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.067+/-0.323 χ^2/NDF:704.9/9

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

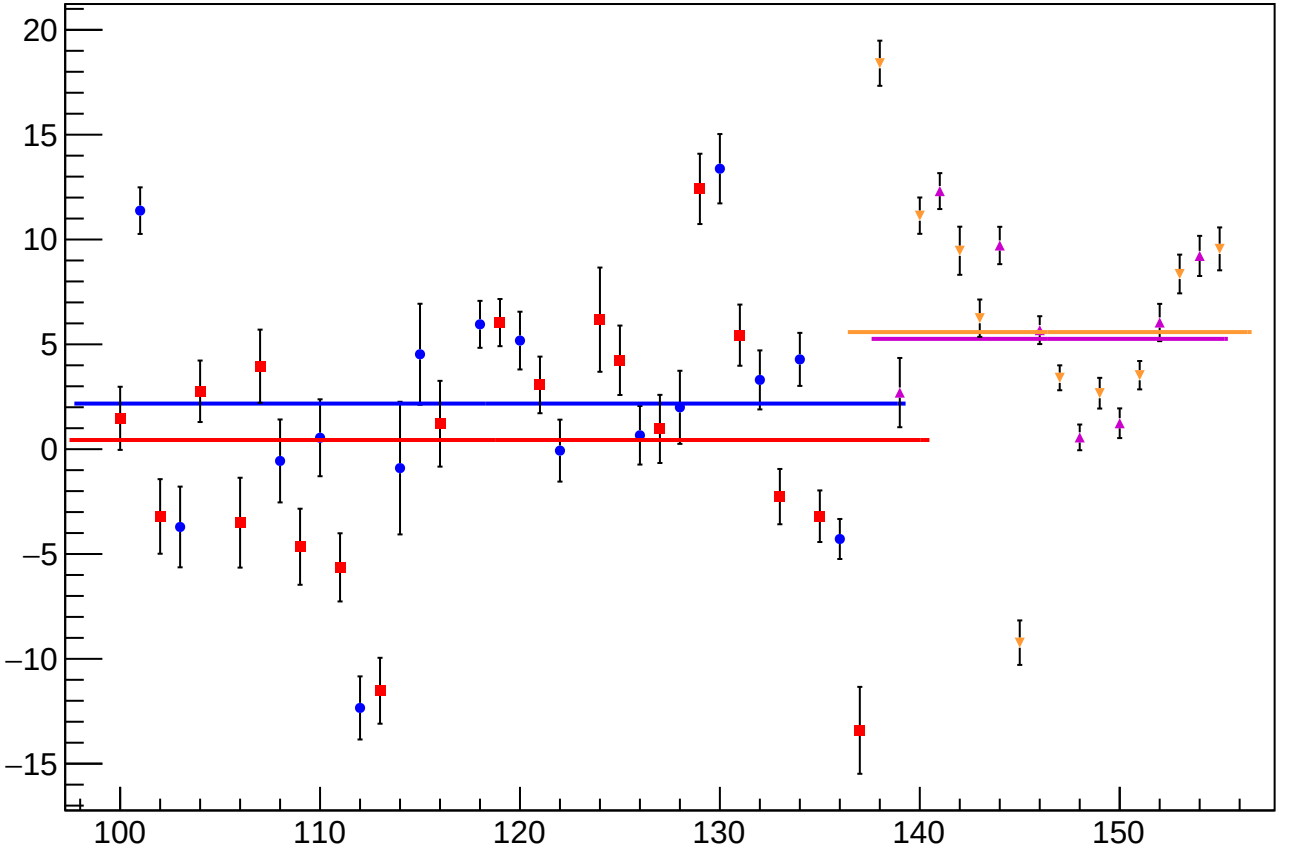
Left In: 68.881+/-0.344 χ^2/NDF:208.5/7

+ sign 72.083+/-0.233 χ^2/NDF: 3327.2/25

All: 71.233+/-0.167 χ^2/NDF: 10501.3/52

- sign 70.346+/-0.238 χ^2/NDF: 7147.0/26

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.586+/-0.266 χ^2/NDF:452.4/9

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

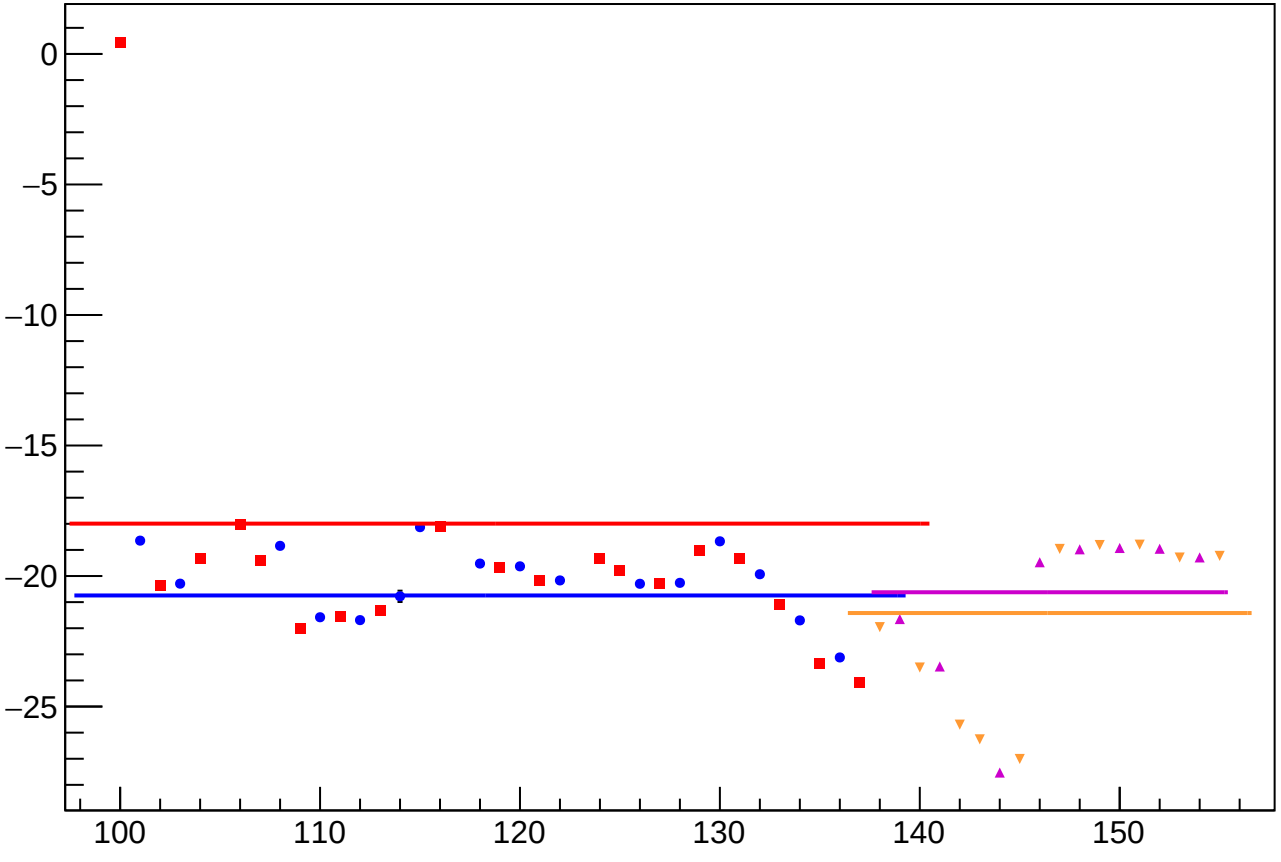
Left In: 5.261+/-0.285 χ^2/NDF:204.4/7

+ sign 4.396+/-0.215 χ^2/NDF: 800.0/25

All: 3.924+/-0.155 χ^2/NDF: 1378.0/52

- sign 3.411+/-0.224 χ^2/NDF: 568.0/26

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -21.418+/-0.013 χ^2/NDF:55585.1/9

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

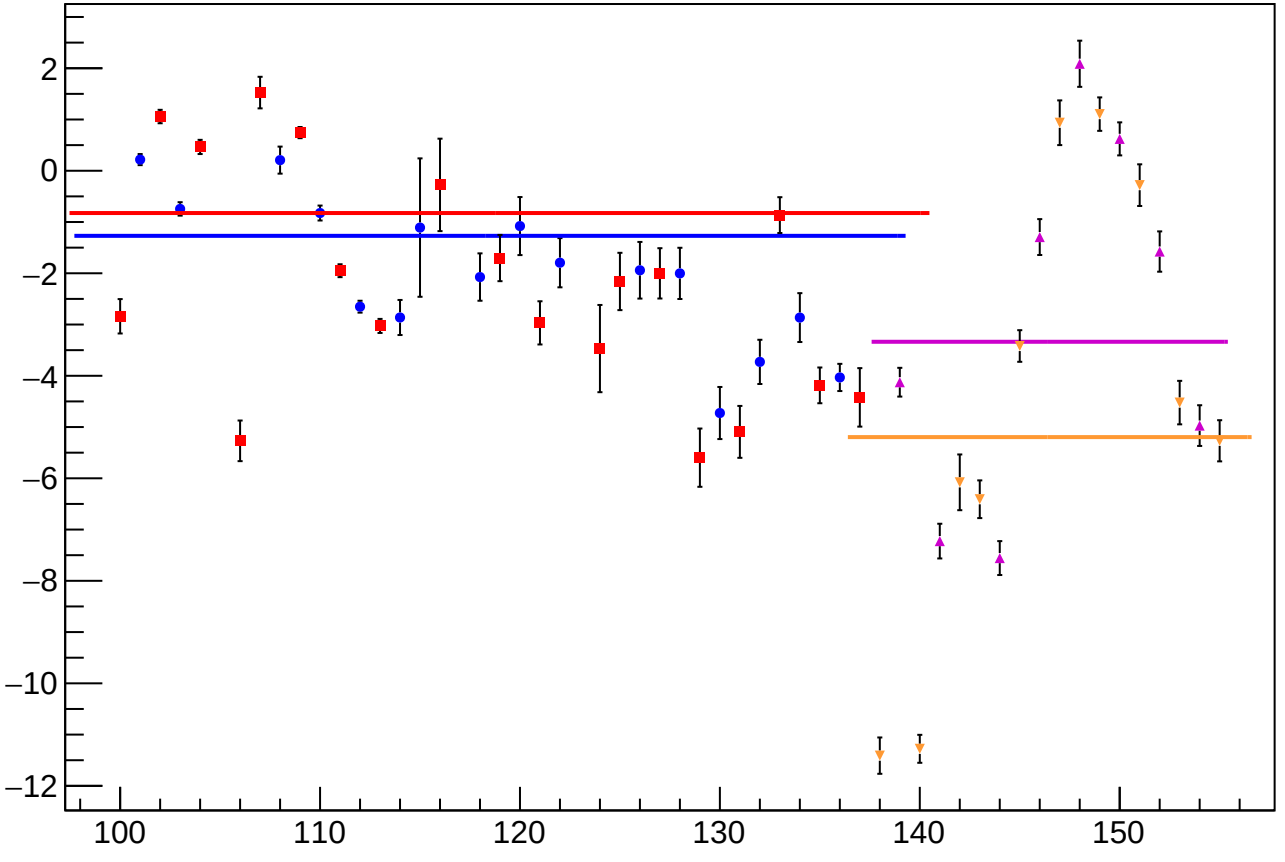
Left In: -20.622+/-0.014 χ^2/NDF:35242.7/7

+ sign -21.211+/-0.011 χ^2/NDF: 63927.8/25

All: -20.485+/-0.008 χ^2/NDF: 271806.8/52

- sign -19.731+/-0.011 χ^2/NDF: 198644.3/26

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.196+/-0.115 χ^2/NDF:1570.5/9

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

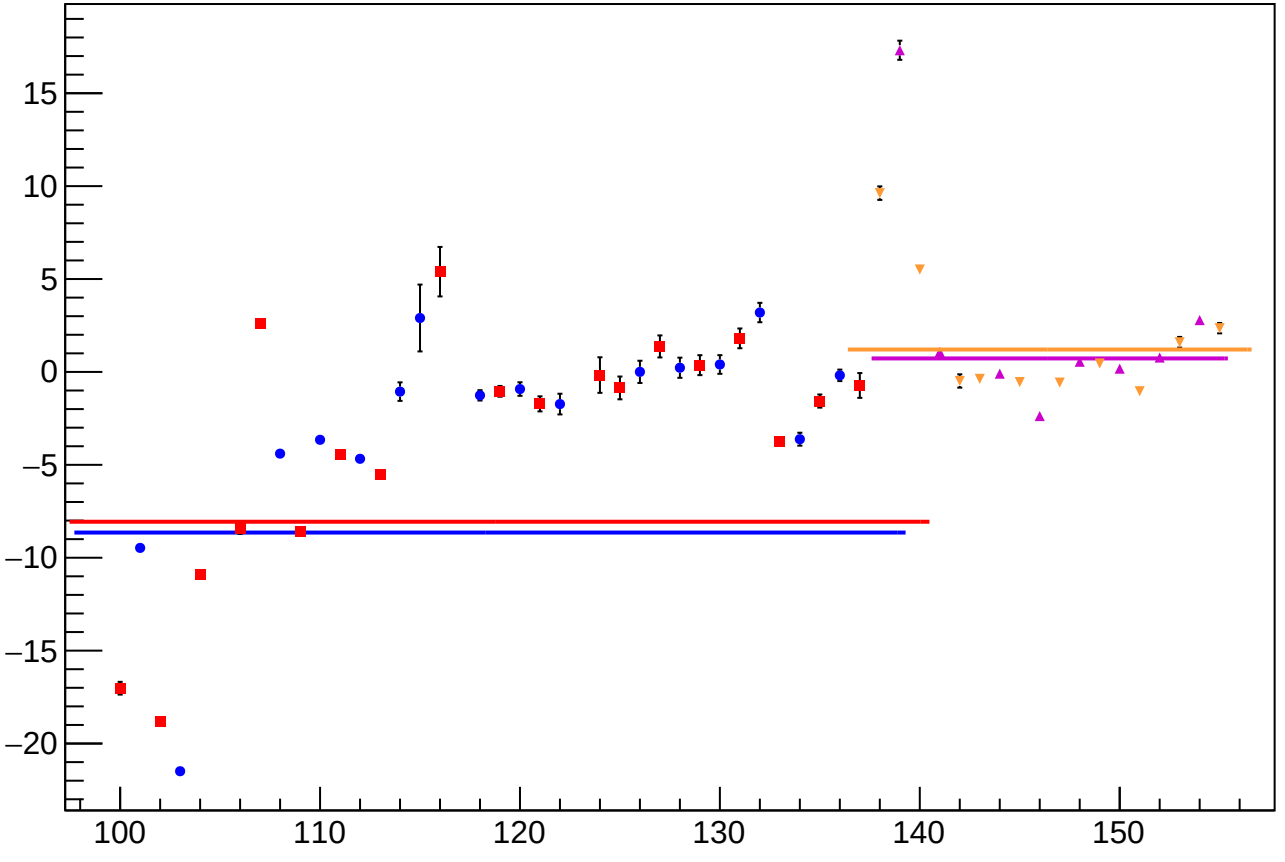
Left In: -3.336+/-0.123 χ^2/NDF:669.6/7

+ sign -1.987+/-0.049 χ^2/NDF: 3134.0/25

All: -1.572+/-0.034 χ^2/NDF: 5678.8/52

- sign -1.194+/-0.047 χ^2/NDF: 2409.6/26

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.207+/-0.080 χ^2/NDF:1195.4/9

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

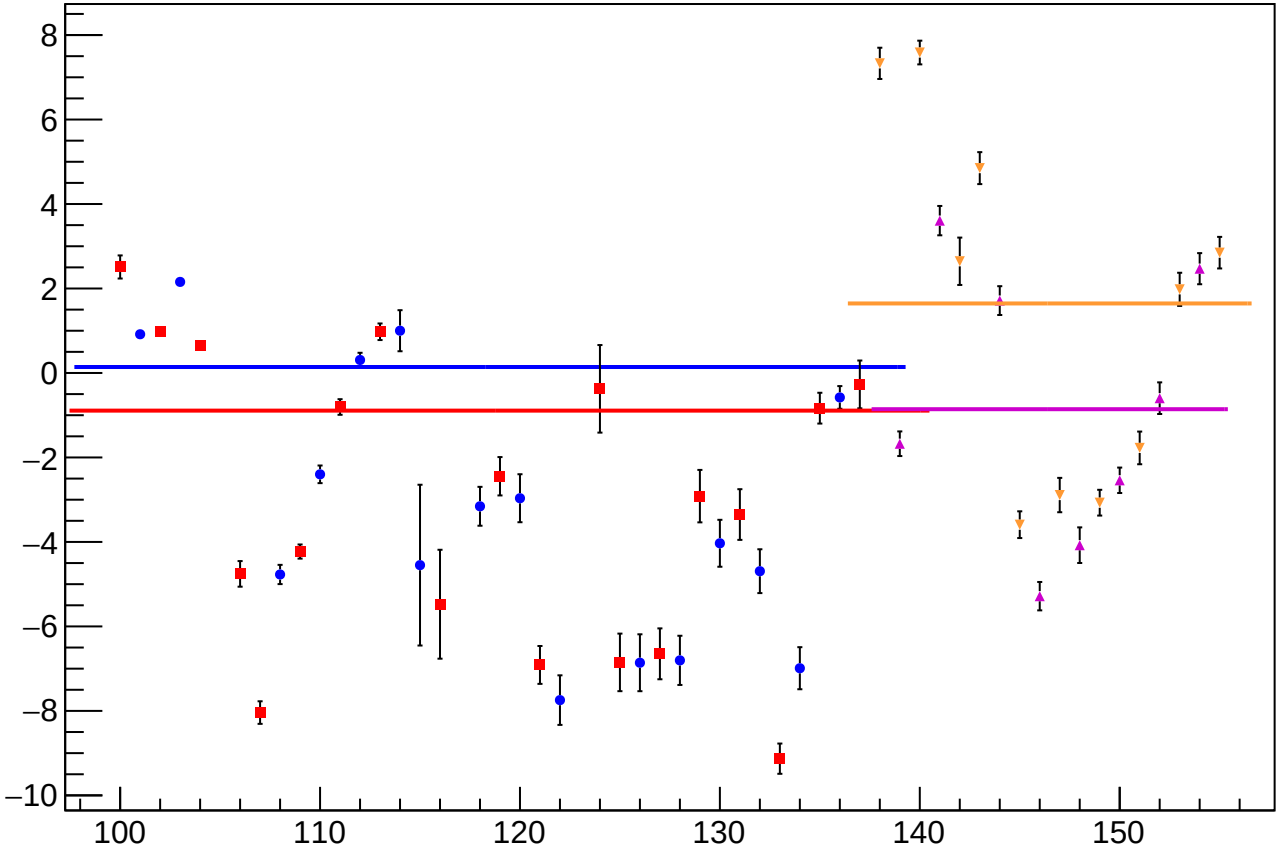
Left In: 0.726+/-0.088 χ^2/NDF:1328.6/7

+ sign -5.359+/-0.046 χ^2/NDF: 25009.0/25

All: -5.395+/-0.033 χ^2/NDF: 47757.0/52

- sign -5.433+/-0.048 χ^2/NDF: 22746.7/26

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.646+/-0.114 χ^2/NDF:1485.8/9

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

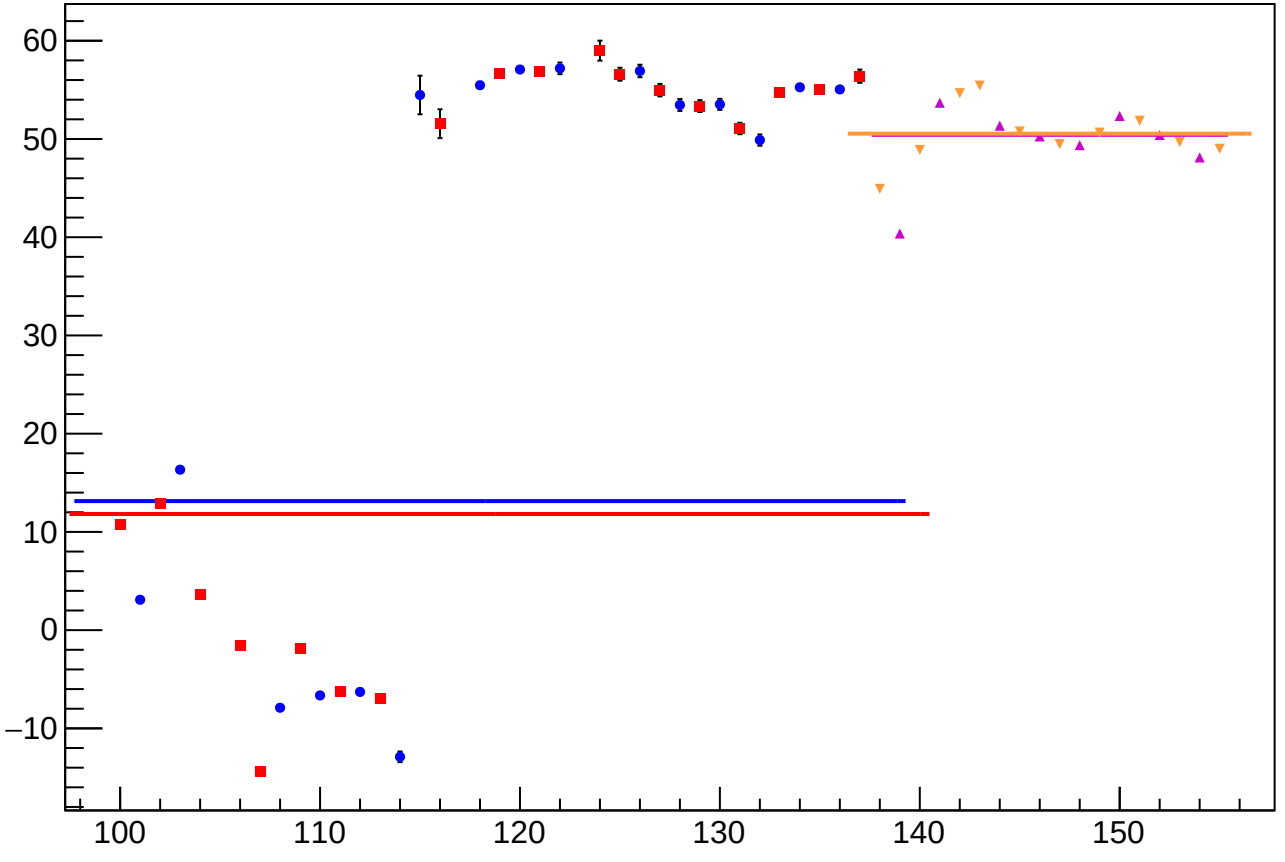
Left In: -0.857+/-0.121 χ^2/NDF:575.0/7

+ sign 0.409+/-0.048 χ^2/NDF: 3589.3/25

All: -0.225+/-0.034 χ^2/NDF: 7506.4/52

- sign -0.886+/-0.049 χ^2/NDF: 3560.7/26

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.540+/-0.097 χ^2/NDF:623.0/9

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

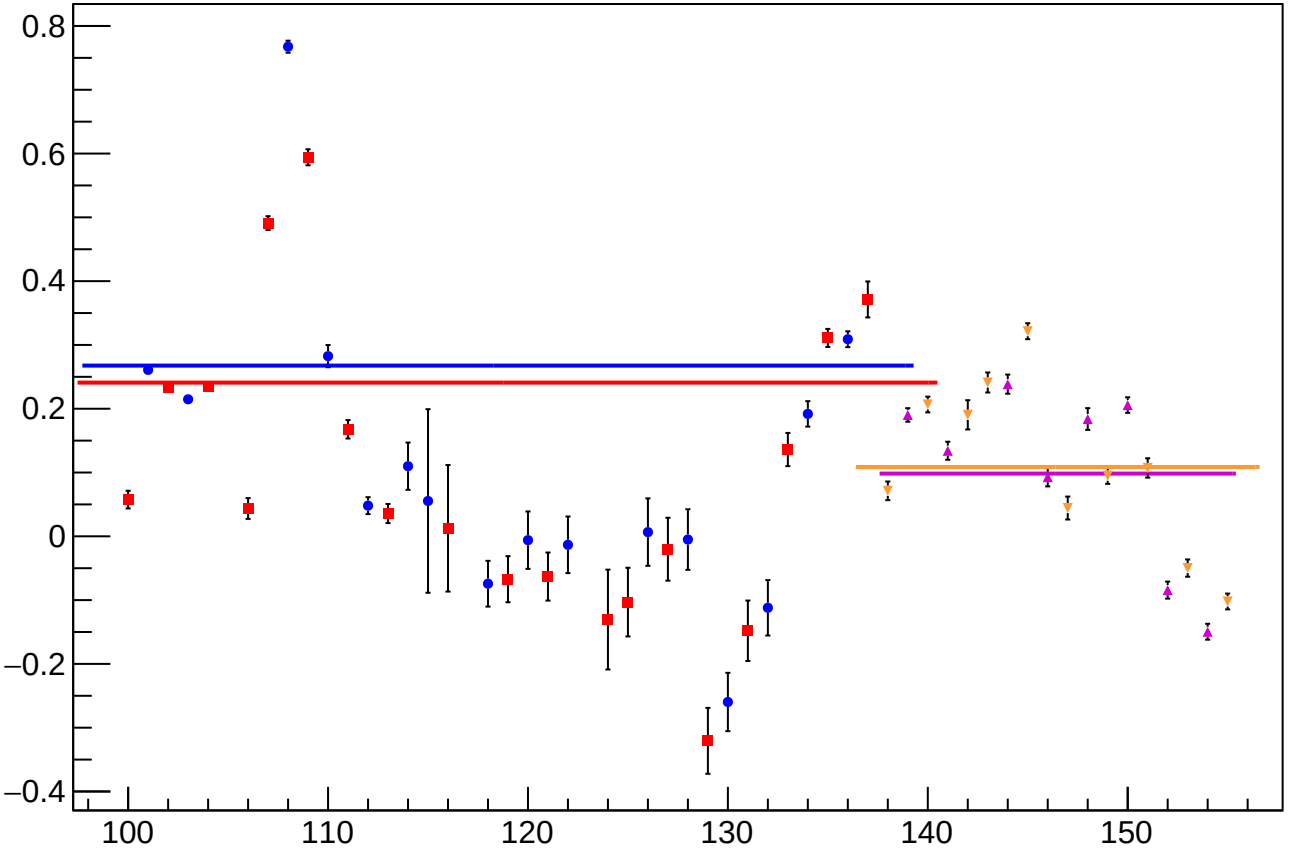
Left In: 50.422+/-0.105 χ^2/NDF:671.7/7

\+ sign 25.443+/-0.056 χ^2/NDF: 208913.8/25

All: 24.317+/-0.040 χ^2/NDF: 423441.6/52

\- sign 23.134+/-0.057 χ^2/NDF: 213688.3/26

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.109+/-0.005 χ^2/NDF:883.2/9

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

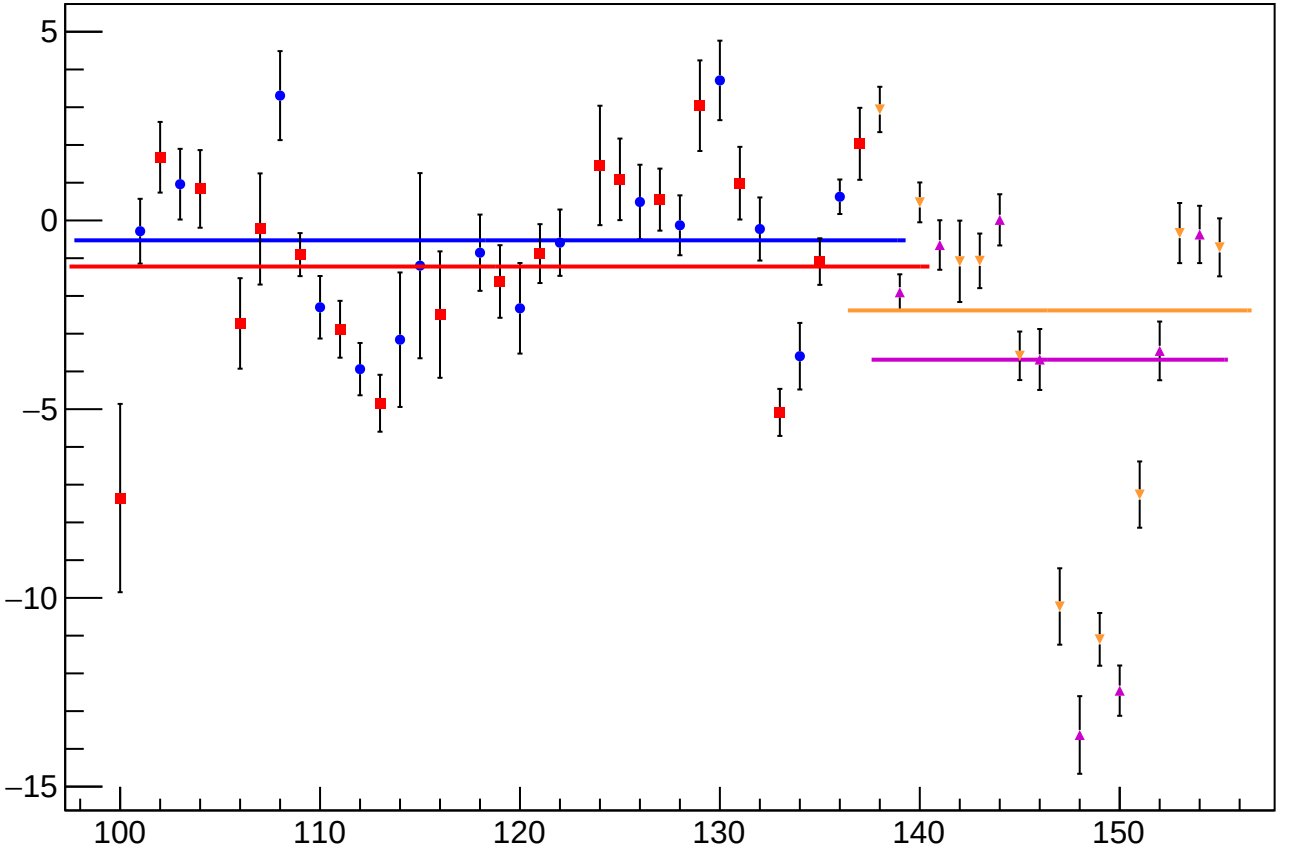
Left In: 0.098+/-0.005 χ^2/NDF:852.3/7

+ sign 0.224+/-0.002 χ^2/NDF: 5501.2/25

All: 0.214+/-0.002 χ^2/NDF: 9410.1/52

- sign 0.205+/-0.002 χ^2/NDF: 3877.3/26

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.384+/-0.229 χ^2/NDF:374.0/9

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

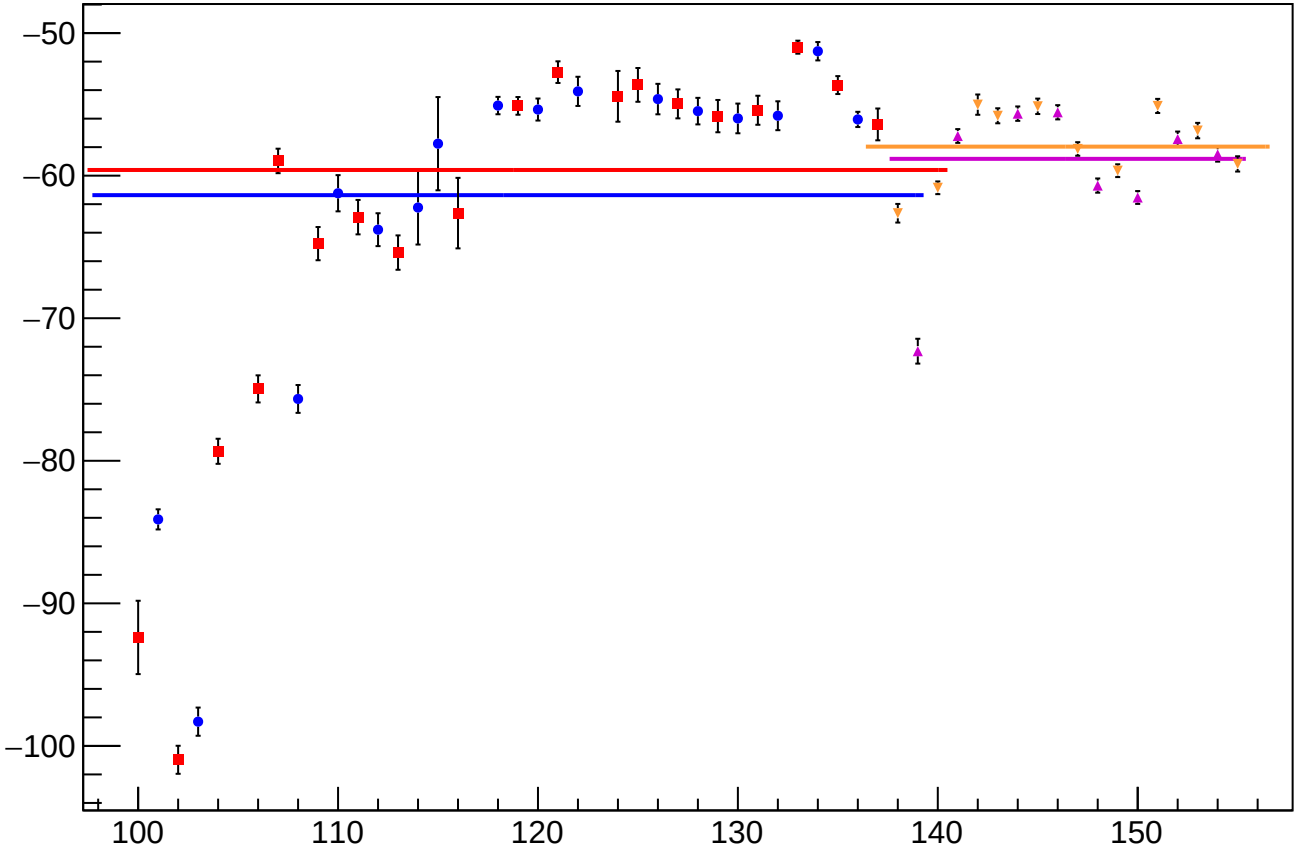
Left In: -3.689+/-0.242 χ^2/NDF:351.2/7

+ sign -1.407+/-0.157 χ^2/NDF: 491.4/25

All: -1.830+/-0.111 χ^2/NDF: 1048.4/52

- sign -2.248+/-0.156 χ^2/NDF: 542.7/26

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.963+/-0.165 χ^2/NDF:210.9/9

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

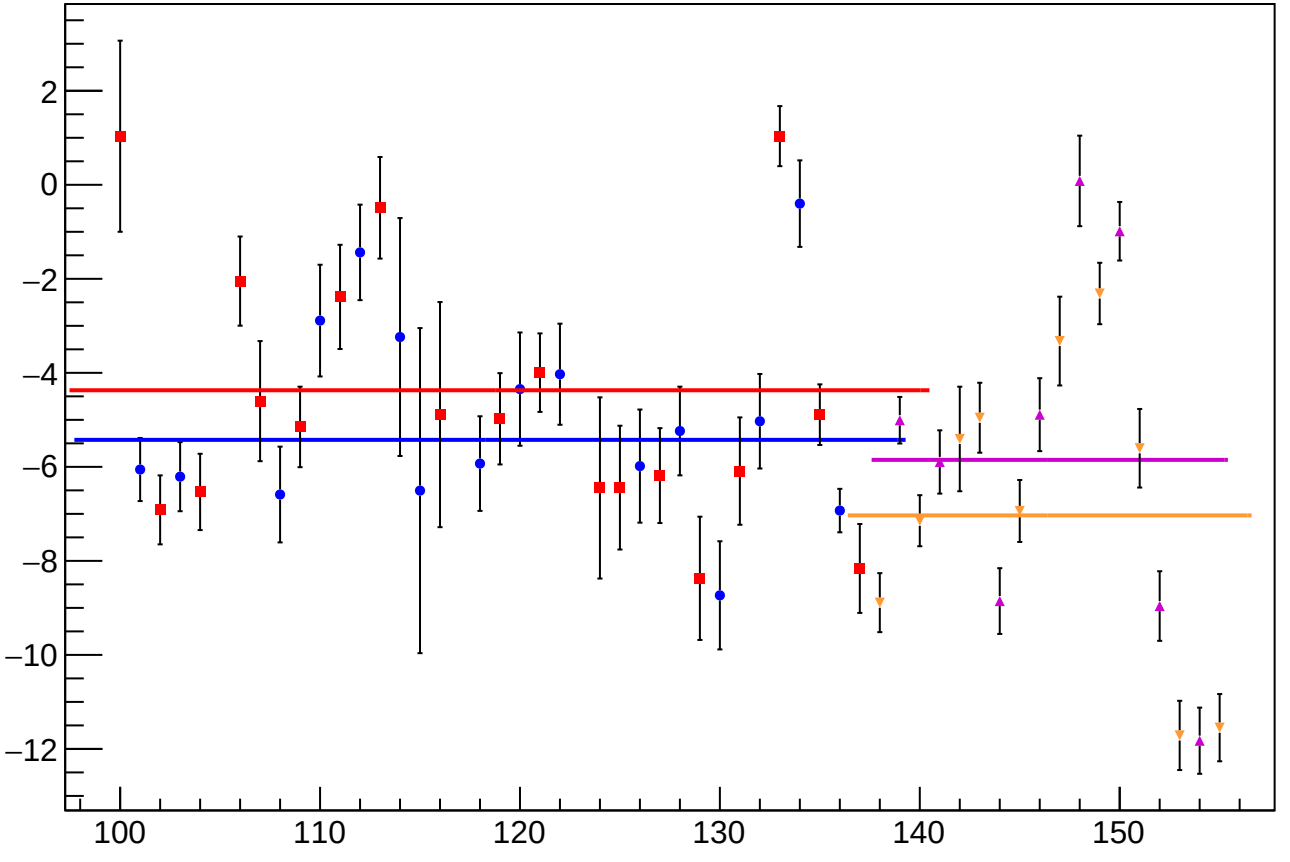
Left In: -58.821+/-0.183 χ^2/NDF:390.6/7

+ sign -59.197+/-0.132 χ^2/NDF: 3716.1/25

All: -59.181+/-0.095 χ^2/NDF: 7536.1/52

- sign -59.164+/-0.137 χ^2/NDF: 3819.9/26

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.032+/-0.226 χ^2/NDF:169.6/9

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

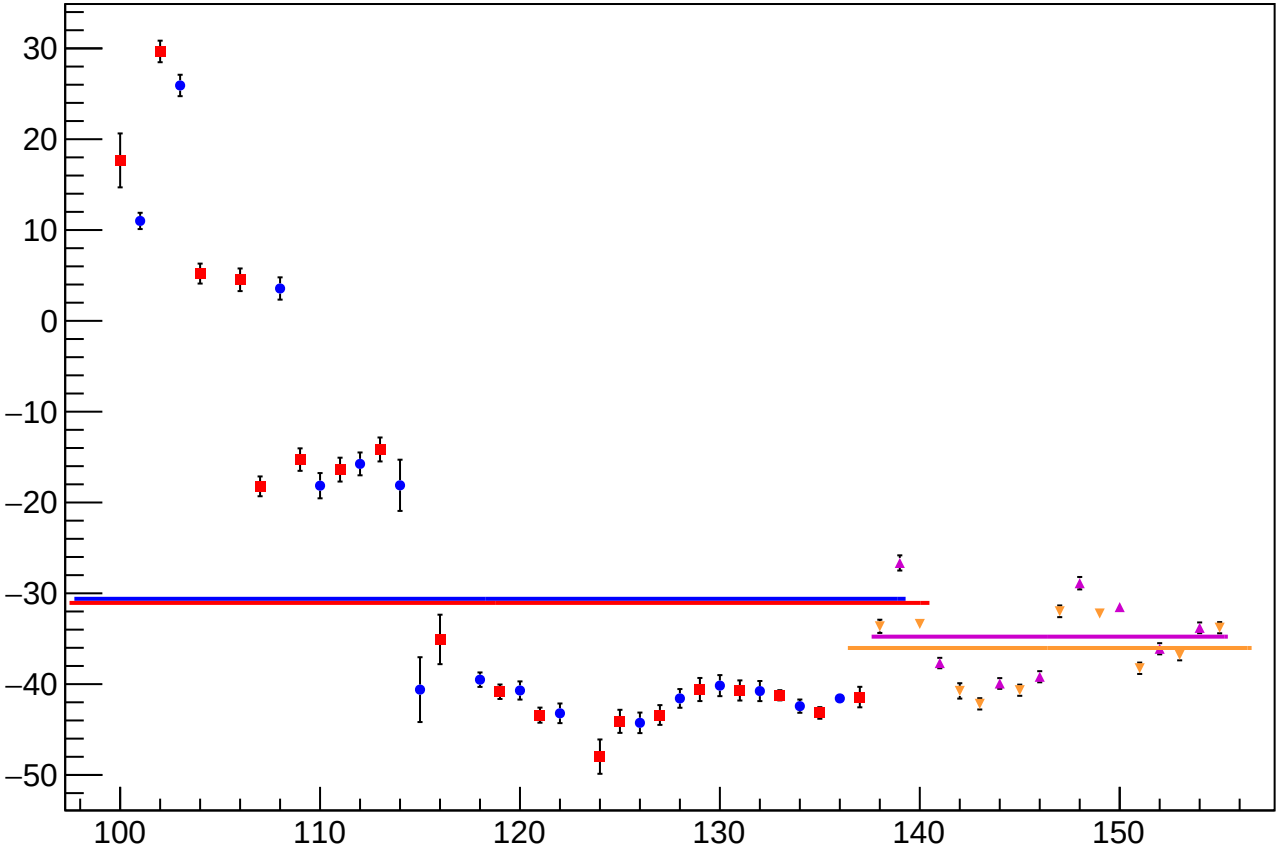
Left In: -5.851+/-0.239 χ^2/NDF:211.6/7

+ sign -6.242+/-0.161 χ^2/NDF: 270.4/25

All: -5.656+/-0.115 χ^2/NDF: 685.8/52

- sign -5.058+/-0.163 χ^2/NDF: 388.7/26

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.020+/-0.197 χ^2/NDF:337.8/9

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

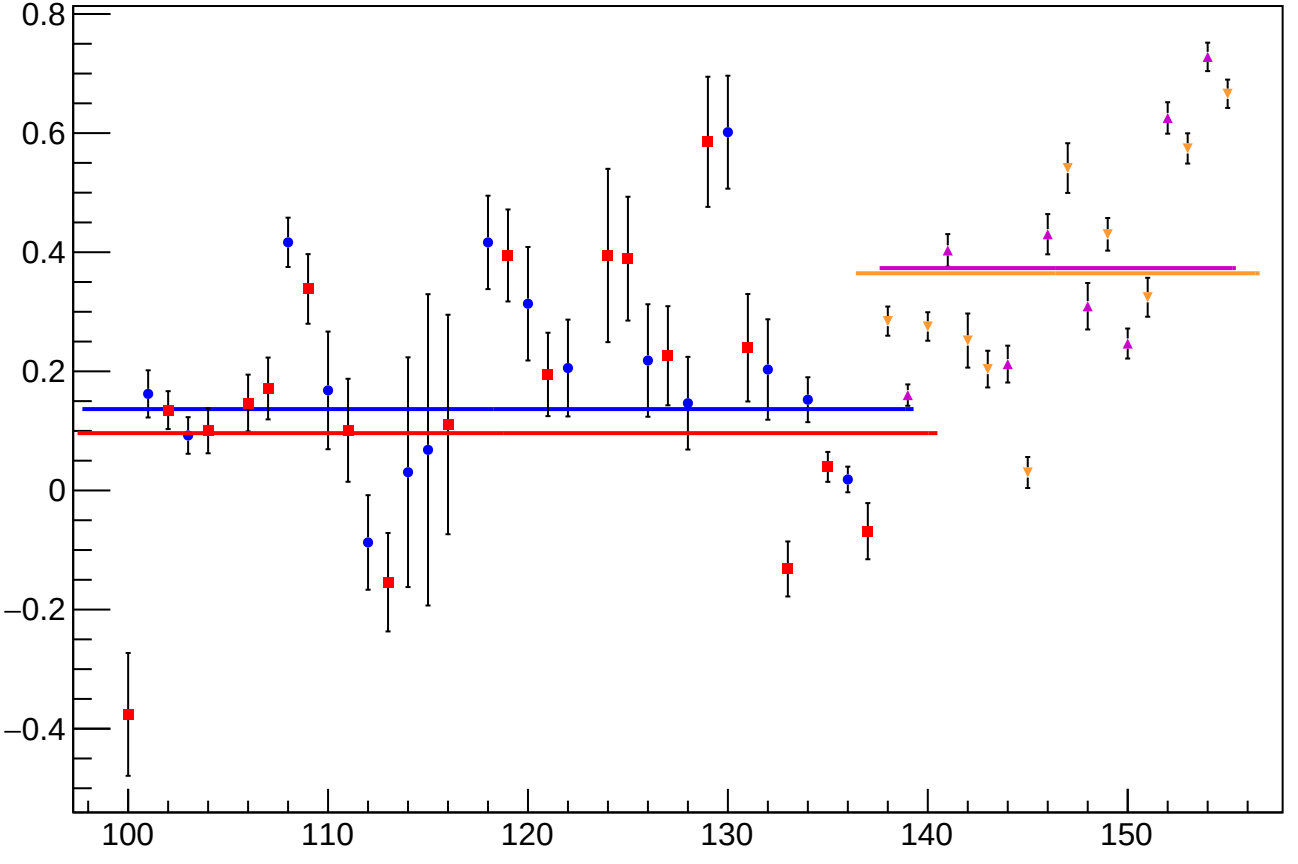
Left In: -34.772+/-0.216 χ^2/NDF:368.7/7

+ sign -33.938+/-0.155 χ^2/NDF: 7566.0/25

All: -33.527+/-0.111 χ^2/NDF: 15059.2/52

- sign -33.088+/-0.160 χ^2/NDF: 7478.7/26

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.365+/-0.009 χ^2/NDF:477.3/9

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

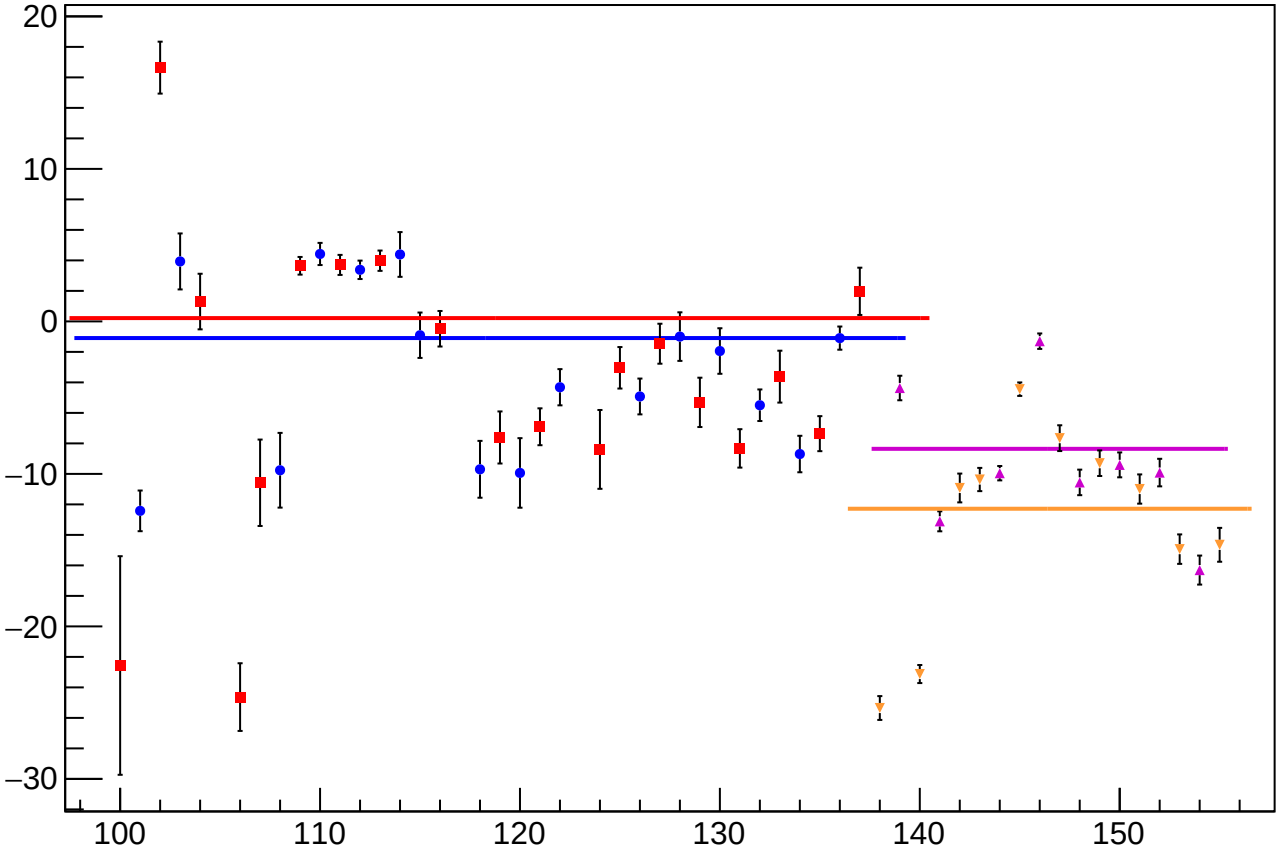
Left In: 0.373+/-0.009 χ^2/NDF:512.5/7

+ sign 0.288+/-0.007 χ^2/NDF: 827.2/25

All: 0.281+/-0.005 χ^2/NDF: 1813.0/52

- sign 0.274+/-0.007 χ^2/NDF: 984.1/26

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.285+/-0.234 χ^2/NDF:994.7/9

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

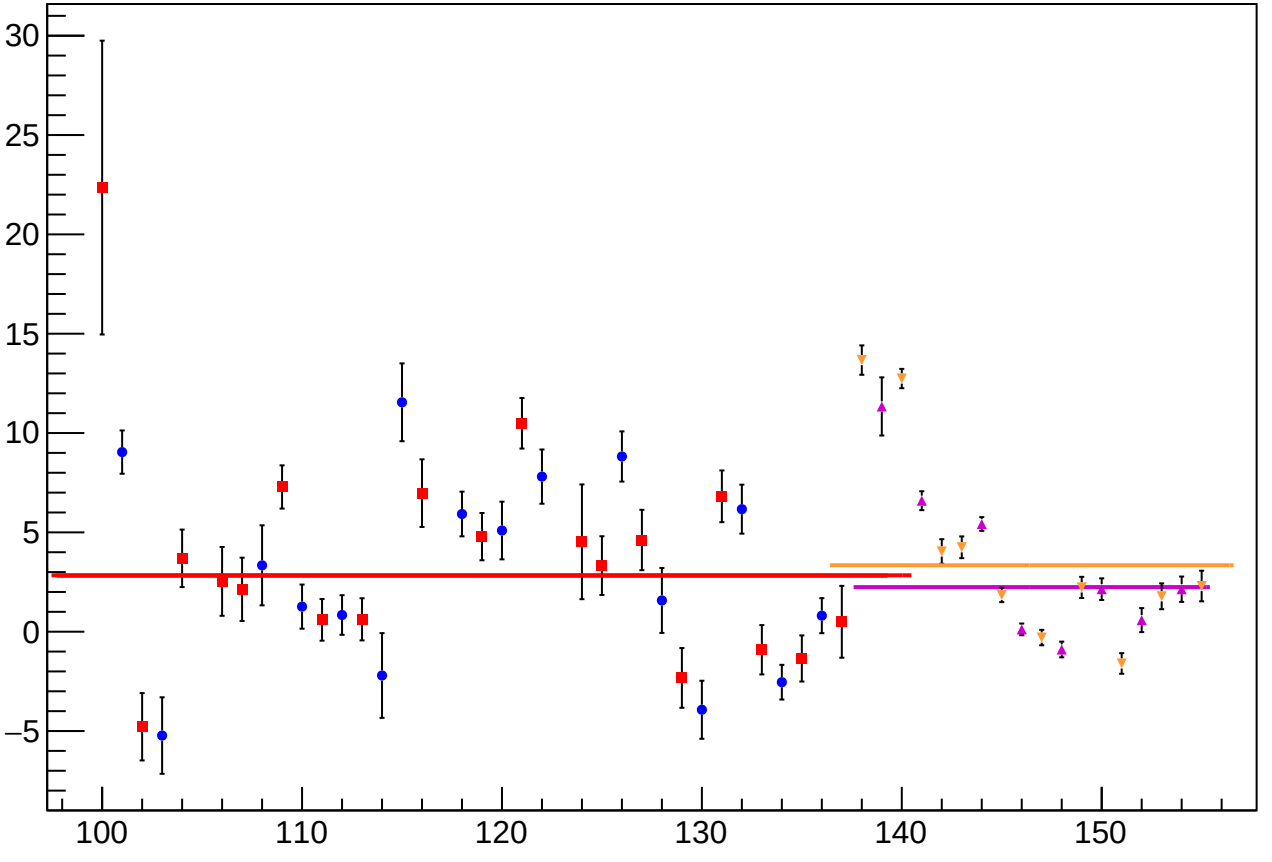
Left In: -8.356+/-0.239 χ^2/NDF:364.2/7

+ sign -7.691+/-0.180 χ^2/NDF: 2264.9/25

All: -6.095+/-0.126 χ^2/NDF: 3880.5/52

- sign -4.533+/-0.178 χ^2/NDF: 1459.6/26

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.344+/-0.163 χ^2/NDF:780.2/9

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

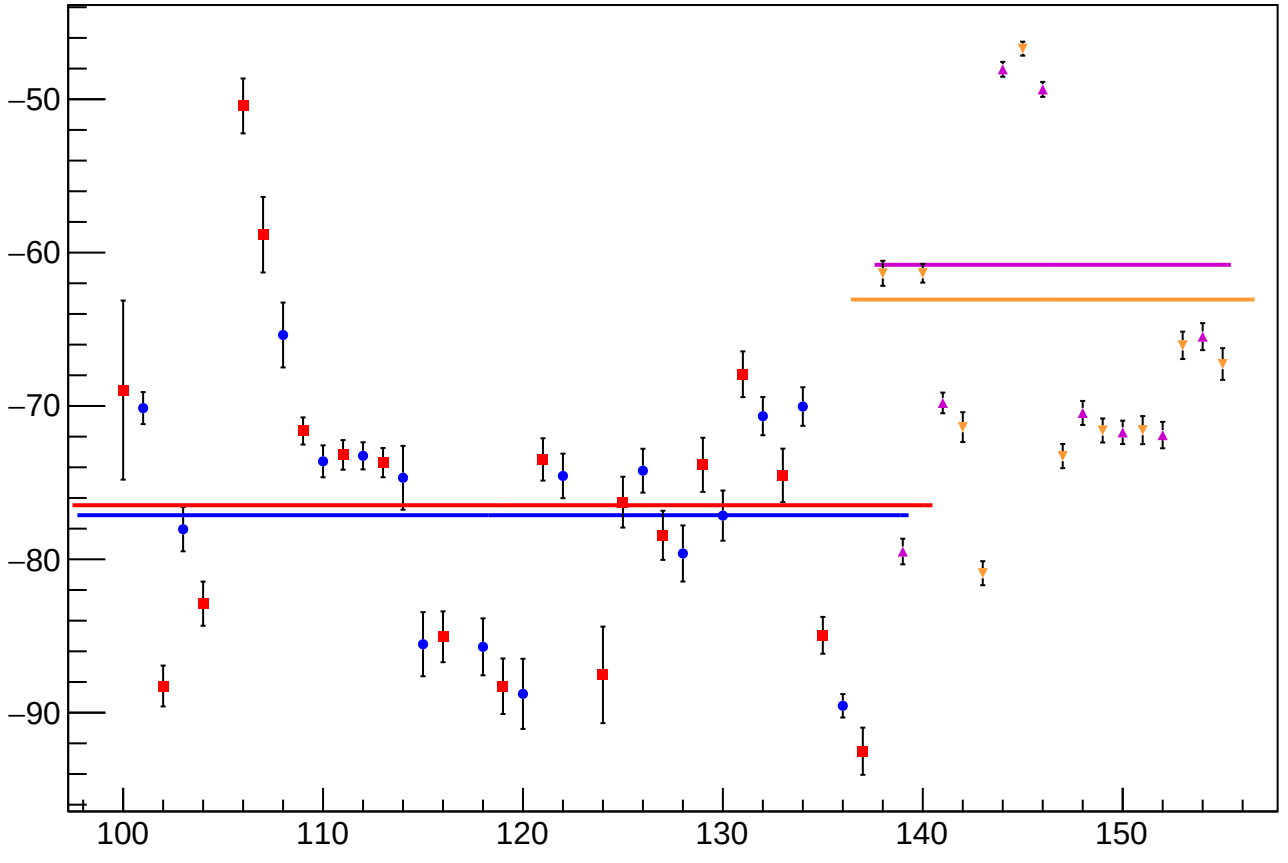
Left In: 2.245+/-0.159 χ^2/NDF:329.0/7

+ sign 3.233+/-0.145 χ^2/NDF: 981.9/25

All: 2.790+/-0.101 χ^2/NDF: 1477.1/52

- sign 2.361+/-0.142 χ^2/NDF: 476.7/26

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -63.061+/-0.234 χ^2/NDF:2294.5/9

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

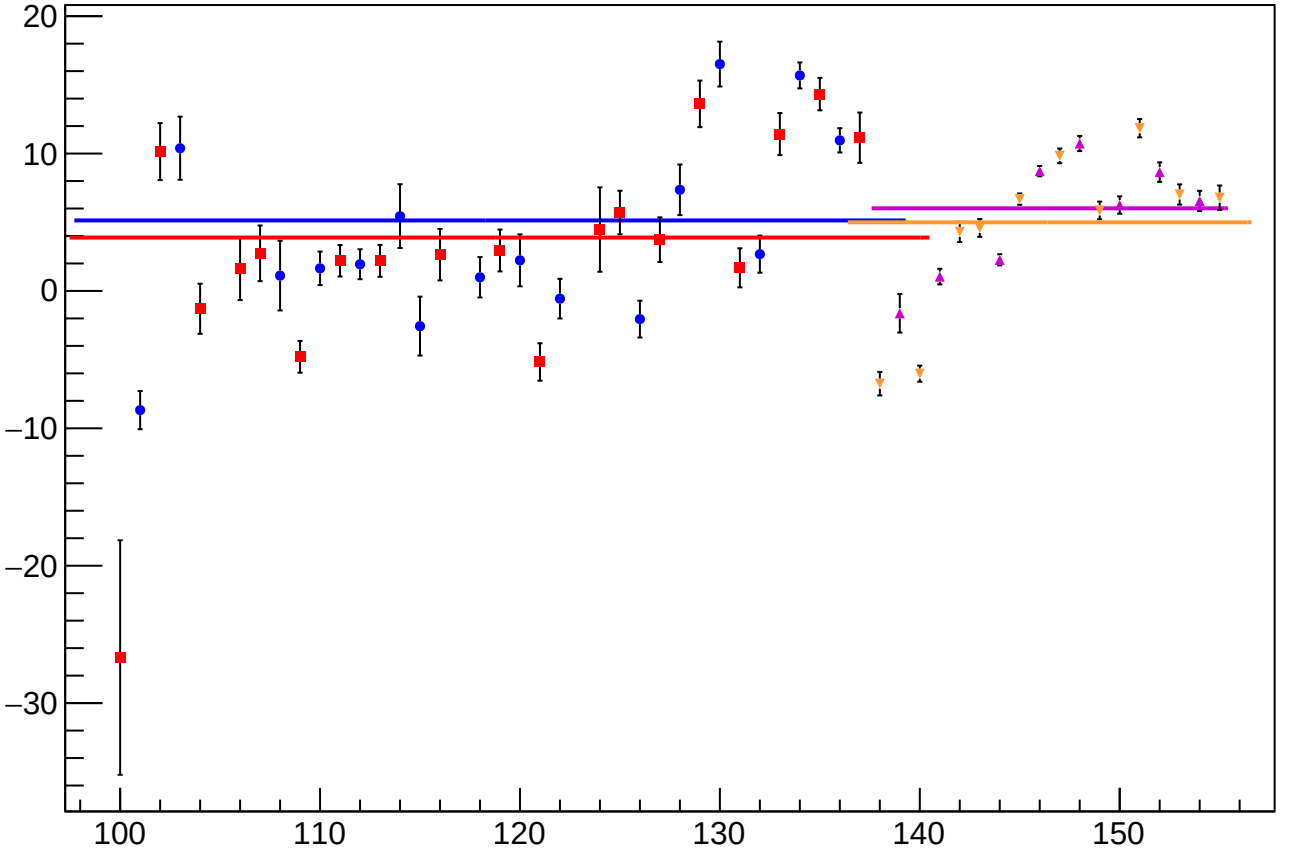
Left In: -60.795+/-0.235 χ^2/NDF:2470.0/7

+ sign -67.826+/-0.190 χ^2/NDF: 4025.9/25

All: -66.974+/-0.135 χ^2/NDF: 8738.3/52

- sign -66.110+/-0.191 χ^2/NDF: 4671.9/26

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.996+/-0.198 χ^2/NDF:760.3/9

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

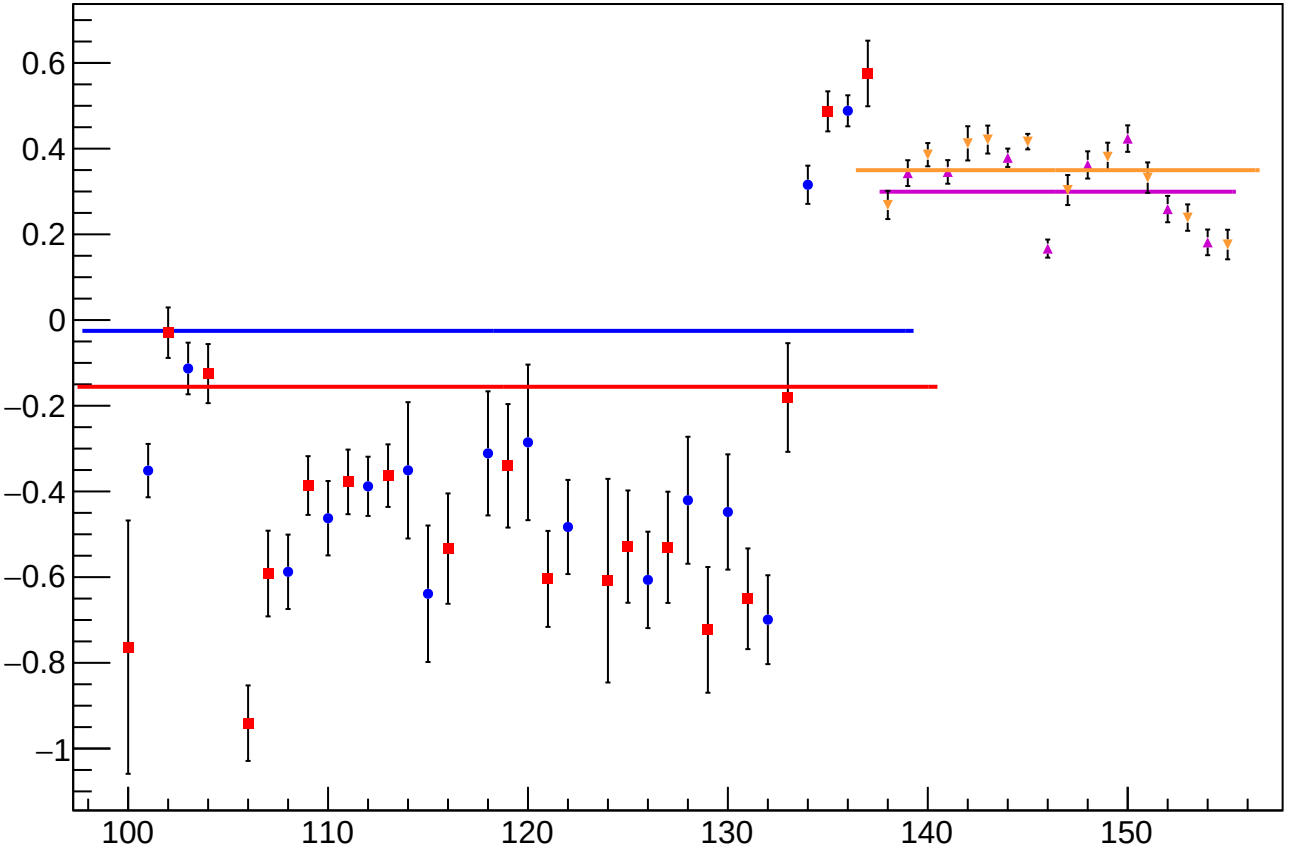
Left In: 6.013+/-0.194 χ^2/NDF:331.7/7

+ sign 5.029+/-0.172 χ^2/NDF: 1172.7/25

All: 5.284+/-0.121 χ^2/NDF: 1827.2/52

- sign 5.536+/-0.171 χ^2/NDF: 650.1/26

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.350+/-0.009 χ^2/NDF:69.7/9

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

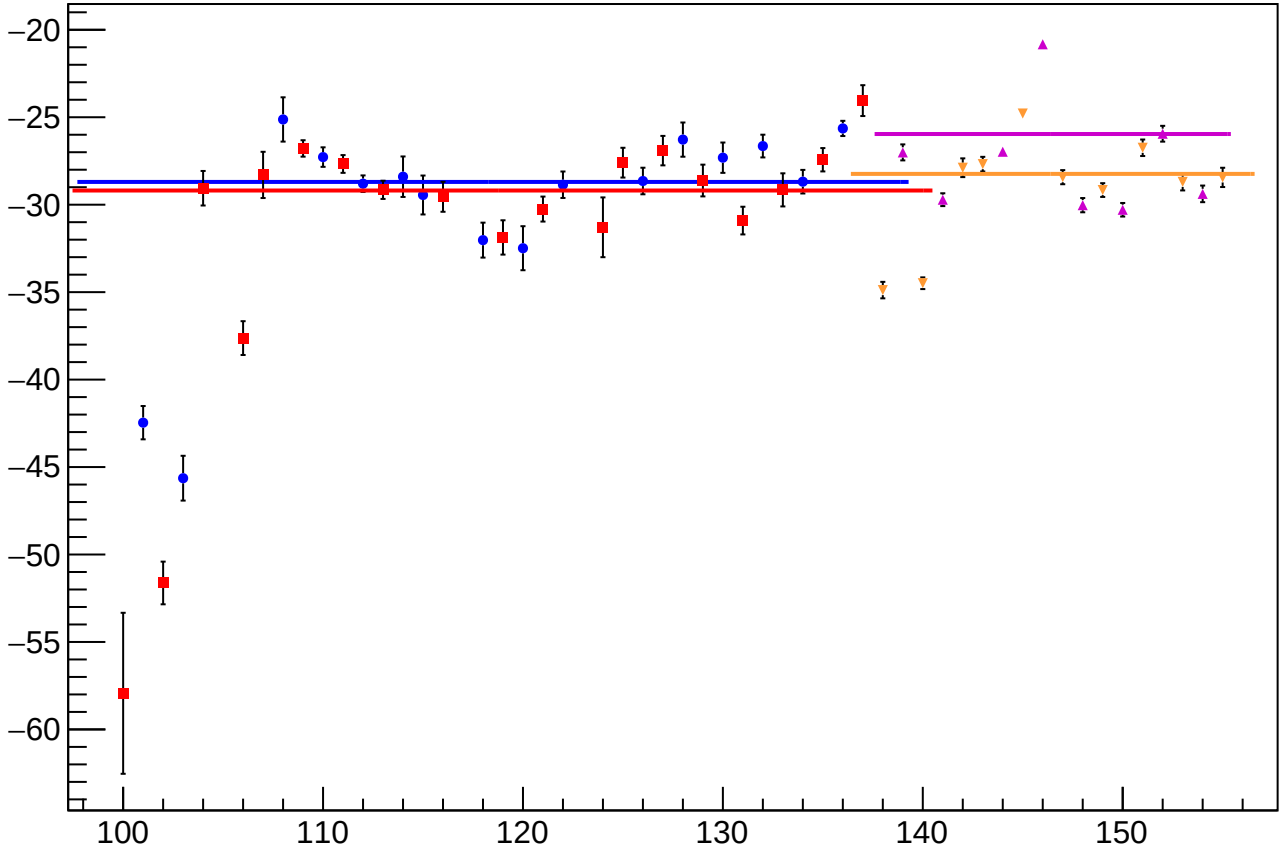
Left In: 0.300+/-0.010 χ^2/NDF:95.3/7

+ sign 0.276+/-0.008 χ^2/NDF: 896.7/25

All: 0.247+/-0.006 χ^2/NDF: 1926.0/52

- sign 0.217+/-0.009 χ^2/NDF: 1005.5/26

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.239+/-0.118 χ^2/NDF:856.7/9

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

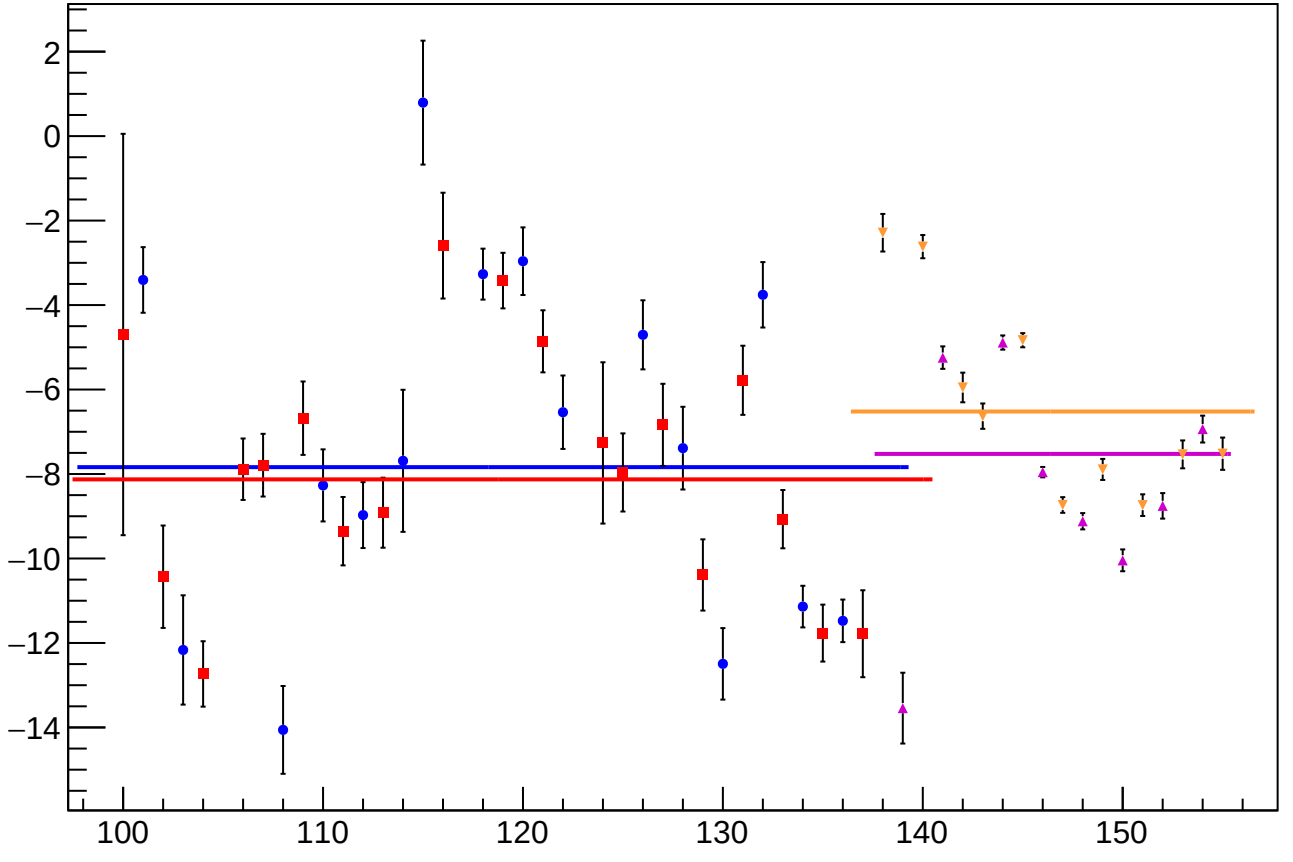
Left In: -25.959+/-0.114 χ^2/NDF:1025.6/7

+ sign -28.371+/-0.100 χ^2/NDF: 1348.3/25

All: -27.598+/-0.069 χ^2/NDF: 3275.2/52

- sign -26.874+/-0.096 χ^2/NDF: 1810.6/26

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.520+/-0.082 χ^2/NDF:660.2/9

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

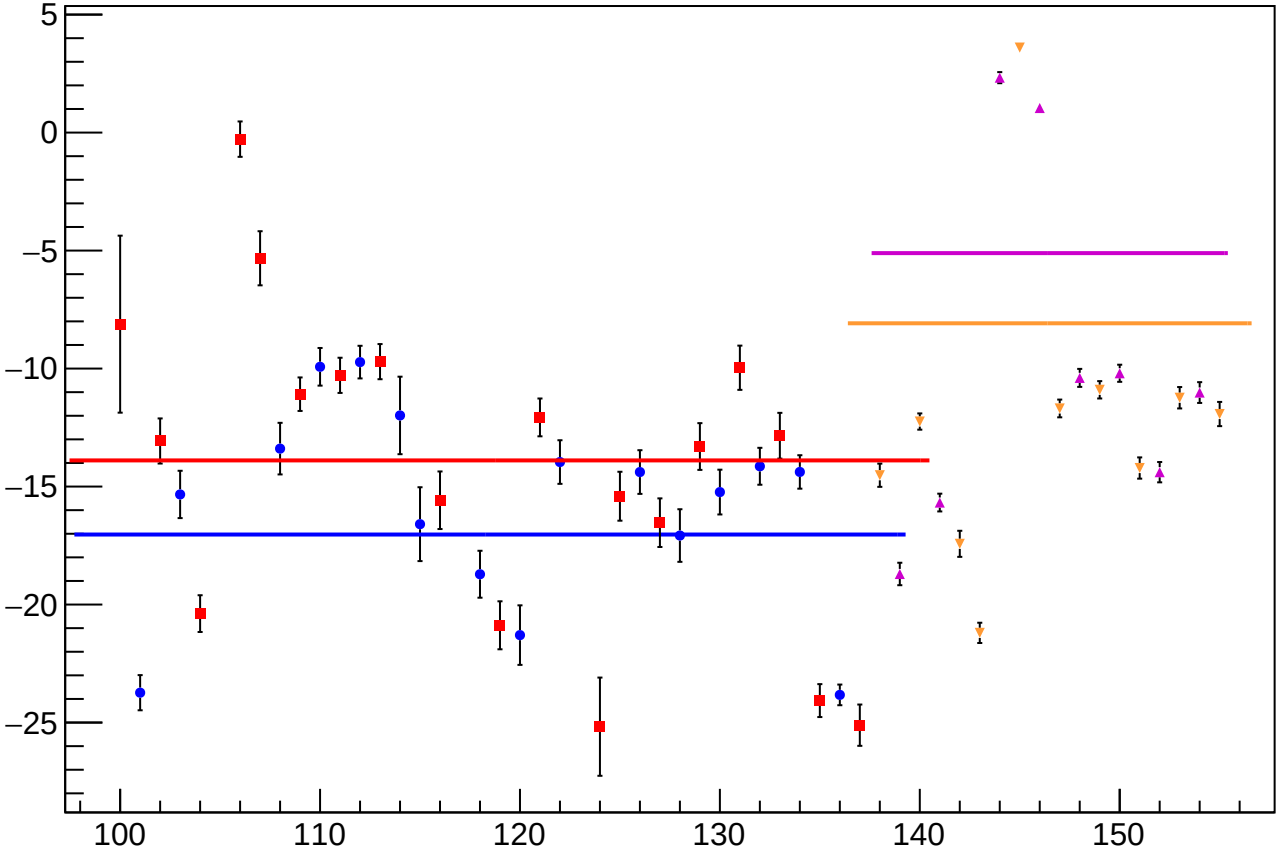
Left In: -7.524+/-0.075 χ^2/NDF:566.4/7

+ sign -6.717+/-0.075 χ^2/NDF: 1082.3/25

All: -7.193+/-0.051 χ^2/NDF: 1928.2/52

- sign -7.600+/-0.070 χ^2/NDF: 771.9/26

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.082+/-0.117 χ^2/NDF:5133.3/9

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

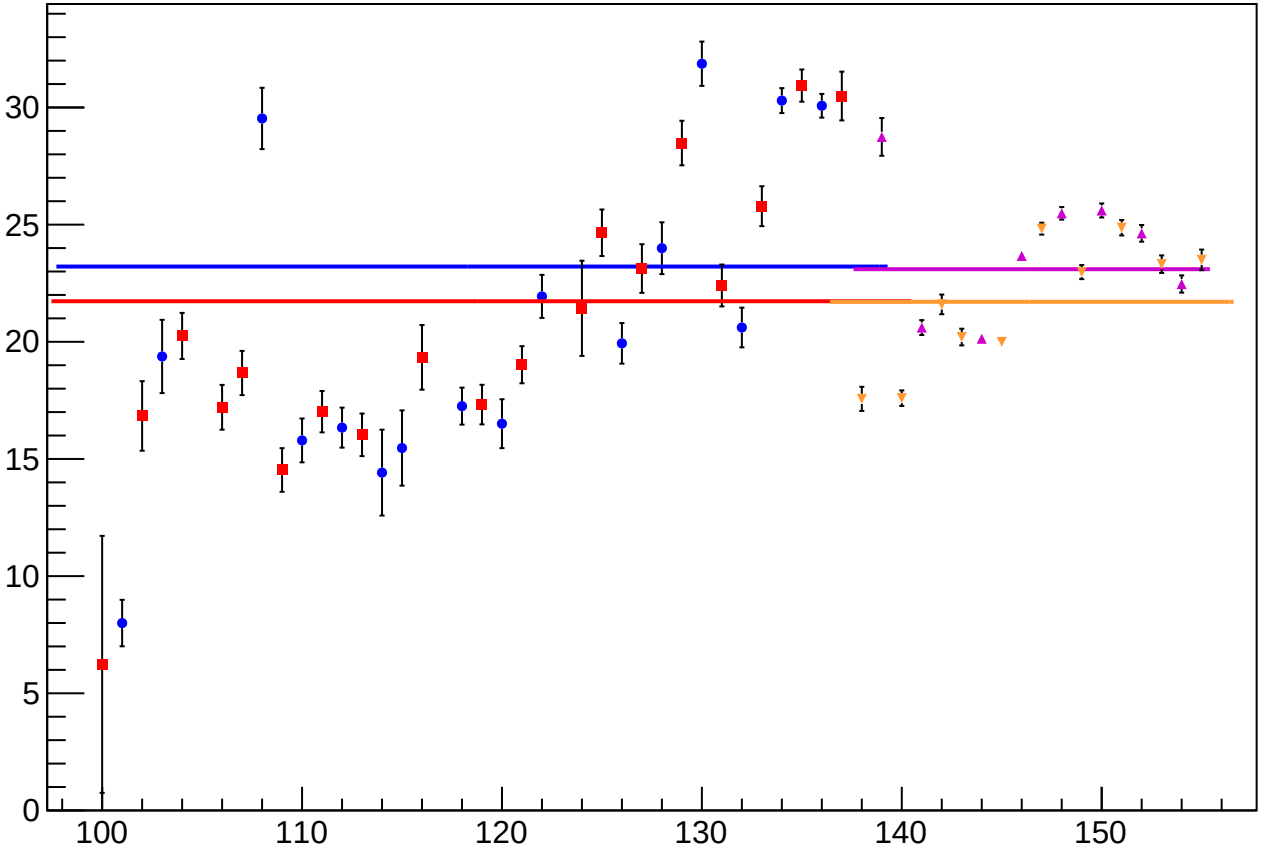
Left In: -5.108+/-0.112 χ^2/NDF:4598.4/7

+ sign -10.225+/-0.102 χ^2/NDF: 7124.5/25

All: -8.581+/-0.071 χ^2/NDF: 14606.3/52

- sign -7.058+/-0.099 χ^2/NDF: 6985.8/26

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.707+/-0.099 χ^2/NDF:611.6/9

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

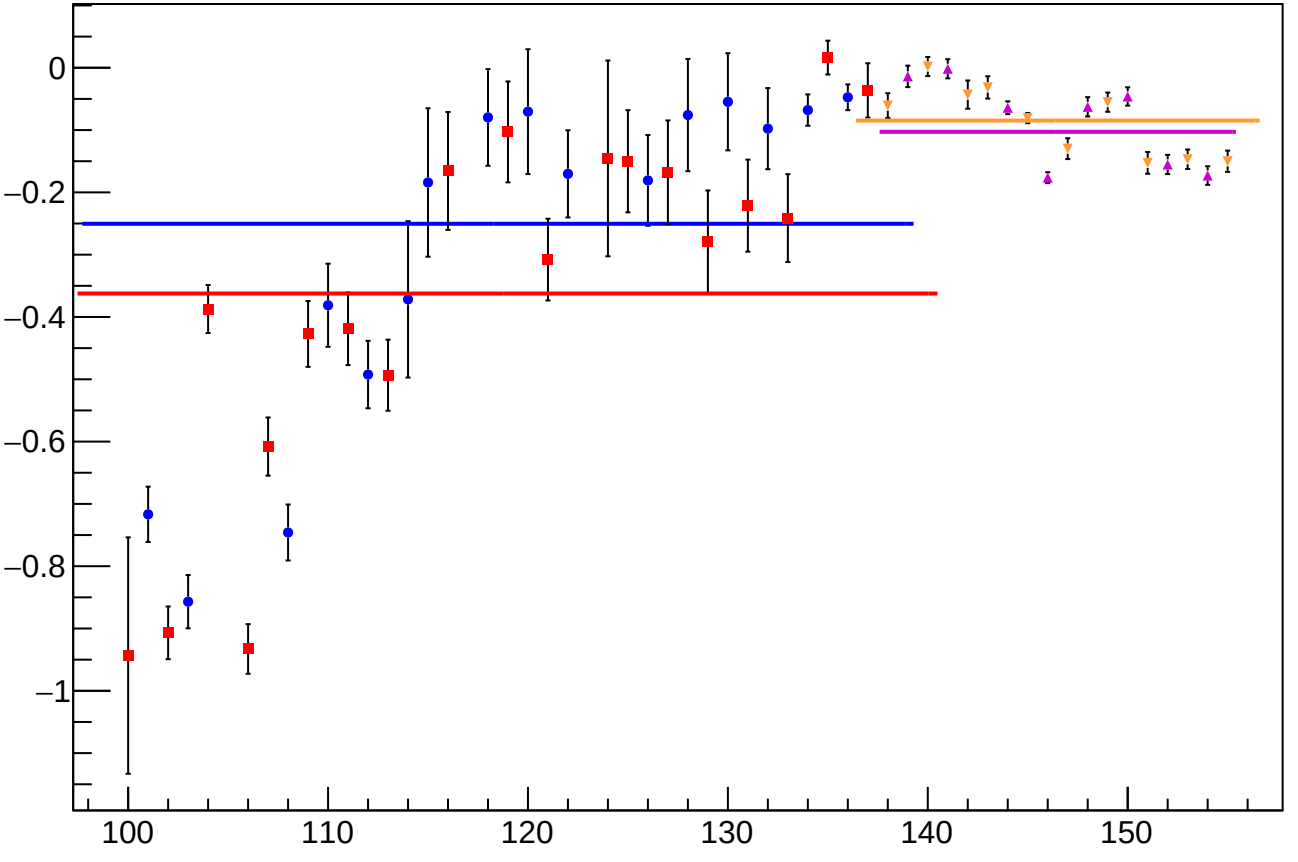
Left In: 23.098+/-0.091 χ^2/NDF:521.1/7

+ sign 21.964+/-0.090 χ^2/NDF: 1659.3/25

All: 22.464+/-0.062 χ^2/NDF: 2828.1/52

- sign 22.904+/-0.085 χ^2/NDF: 1111.1/26

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.085+/-0.005 χ^2/NDF:102.4/9

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

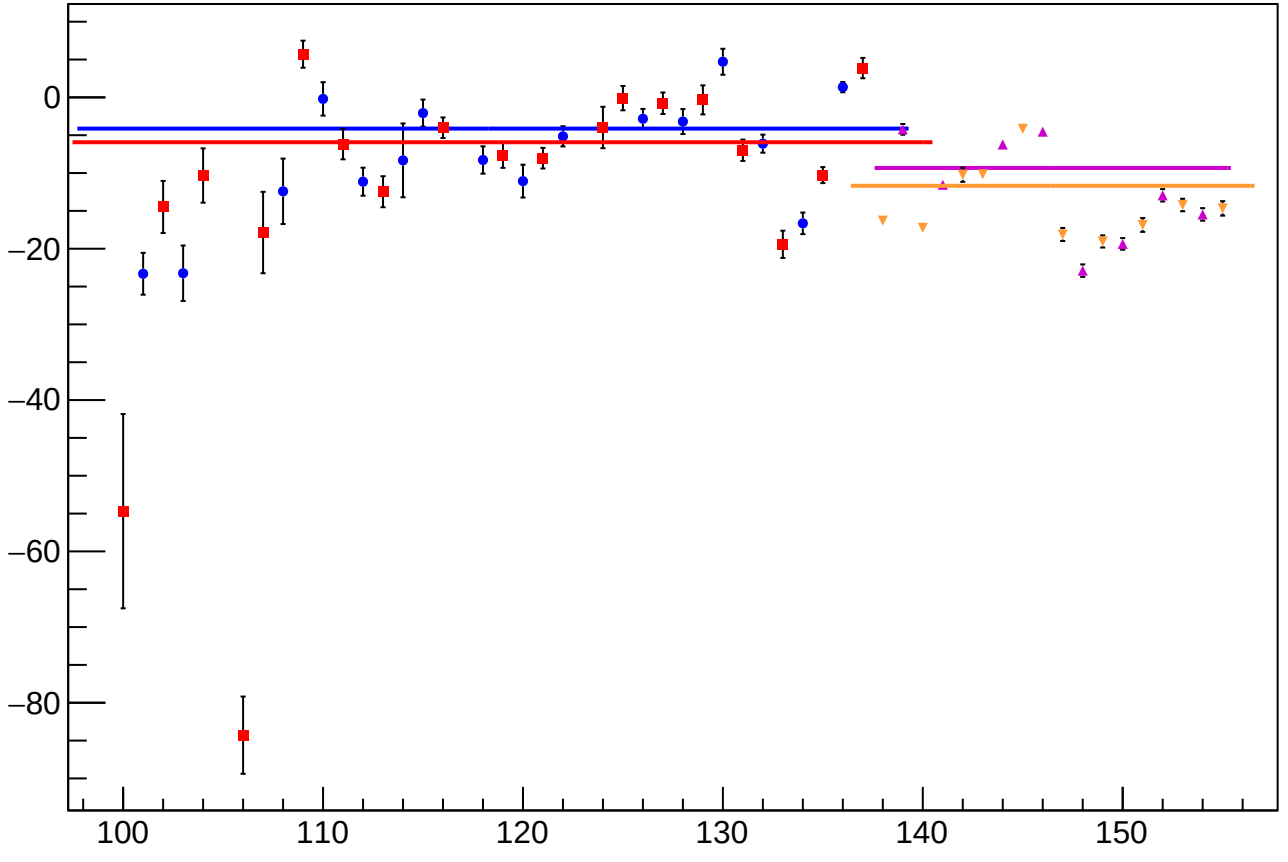
Left In: -0.103+/-0.005 χ^2/NDF:211.6/7

+ sign -0.108+/-0.004 χ^2/NDF: 909.5/25

All: -0.121+/-0.003 χ^2/NDF: 2232.1/52

- sign -0.134+/-0.004 χ^2/NDF: 1304.5/26

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.685+/-0.209 χ^2/NDF:769.4/9

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

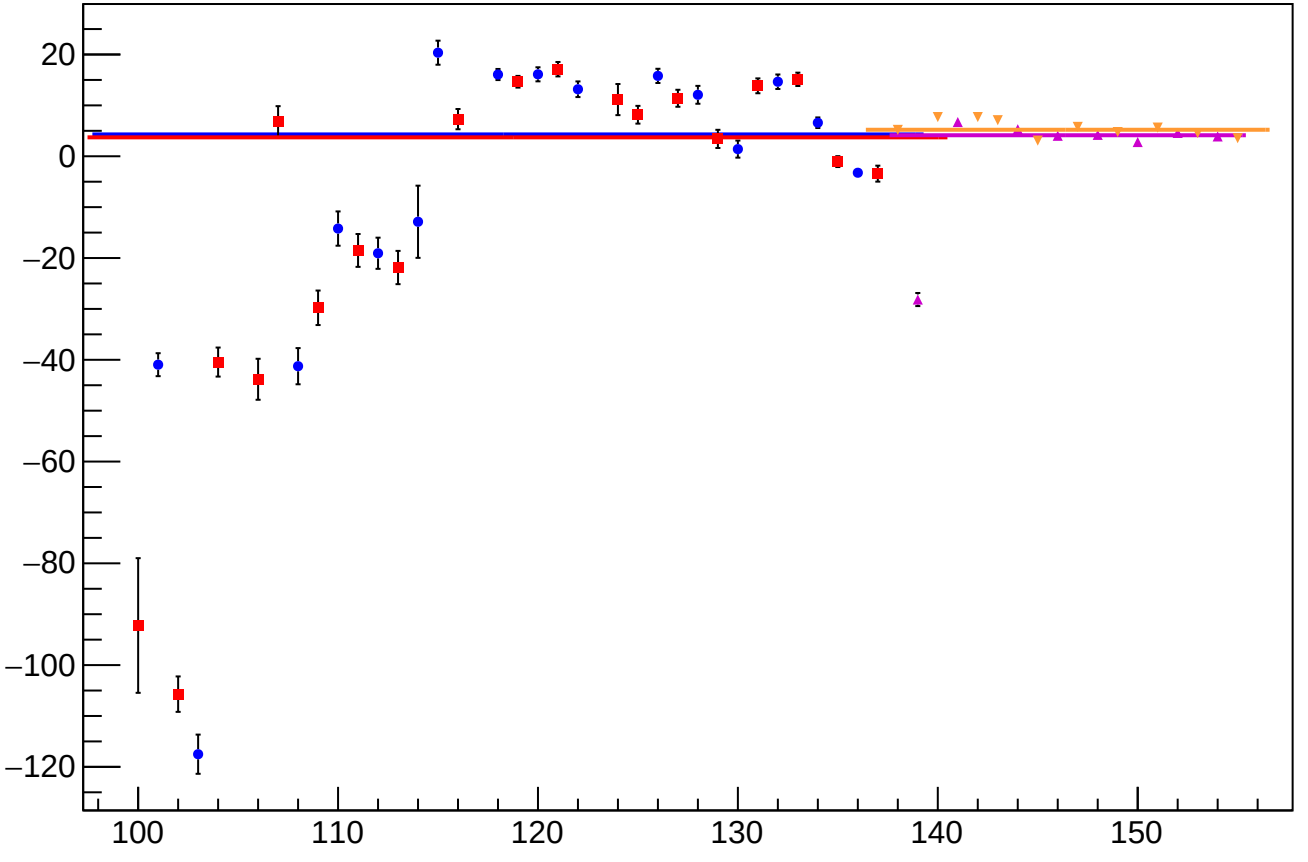
Left In: -9.328+/-0.211 χ^2/NDF:773.6/7

+ sign -9.947+/-0.183 χ^2/NDF: 1359.4/25

All: -9.294+/-0.131 χ^2/NDF: 2696.4/52

- sign -8.609+/-0.188 χ^2/NDF: 1311.0/26

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.210+/-0.148 χ^2/NDF:124.2/9

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

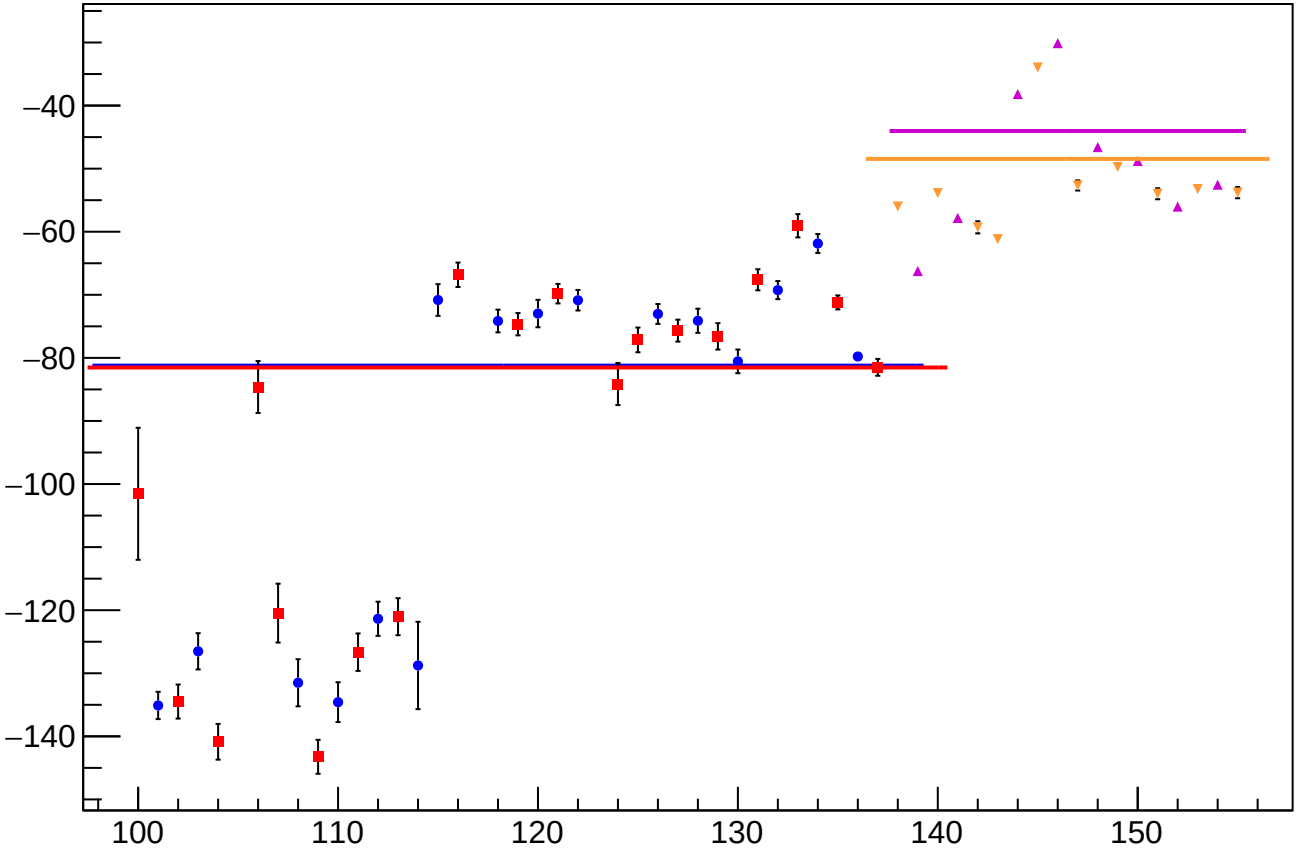
Left In: 4.131+/-0.143 χ^2/NDF:685.7/7

+ sign 5.091+/-0.138 χ^2/NDF: 2298.3/25

All: 4.578+/-0.097 χ^2/NDF: 5018.9/52

- sign 4.089+/-0.135 χ^2/NDF: 2693.8/26

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -48.456+/-0.209 χ^2/NDF:2294.9/9

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

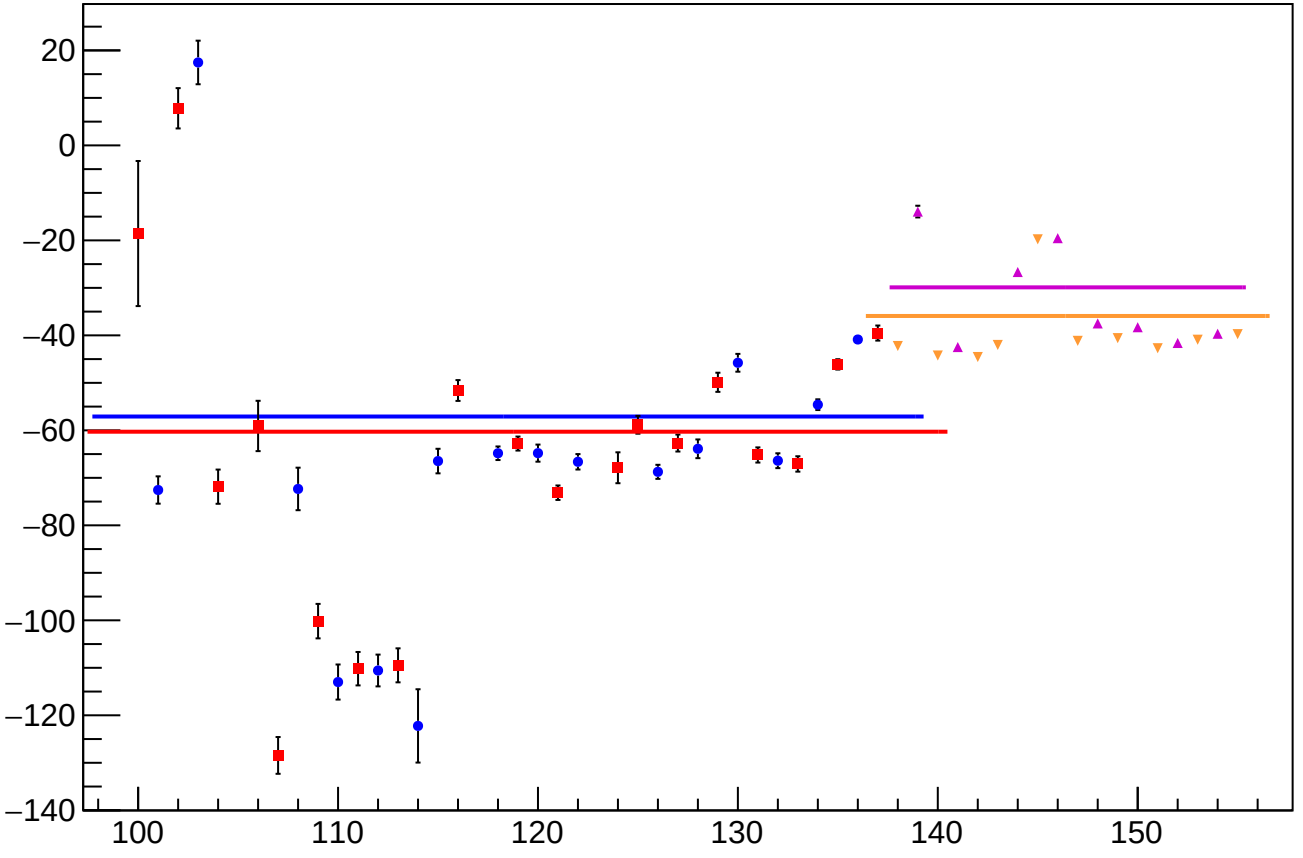
Left In: -44.030+/-0.208 χ^2/NDF:3212.0/7

+ sign -55.033+/-0.187 χ^2/NDF: 9207.8/25

All: -52.739+/-0.133 χ^2/NDF: 20501.7/52

- sign -50.369+/-0.190 χ^2/NDF: 10987.0/26

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -35.919+/-0.178 χ^2/NDF:3159.8/9

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

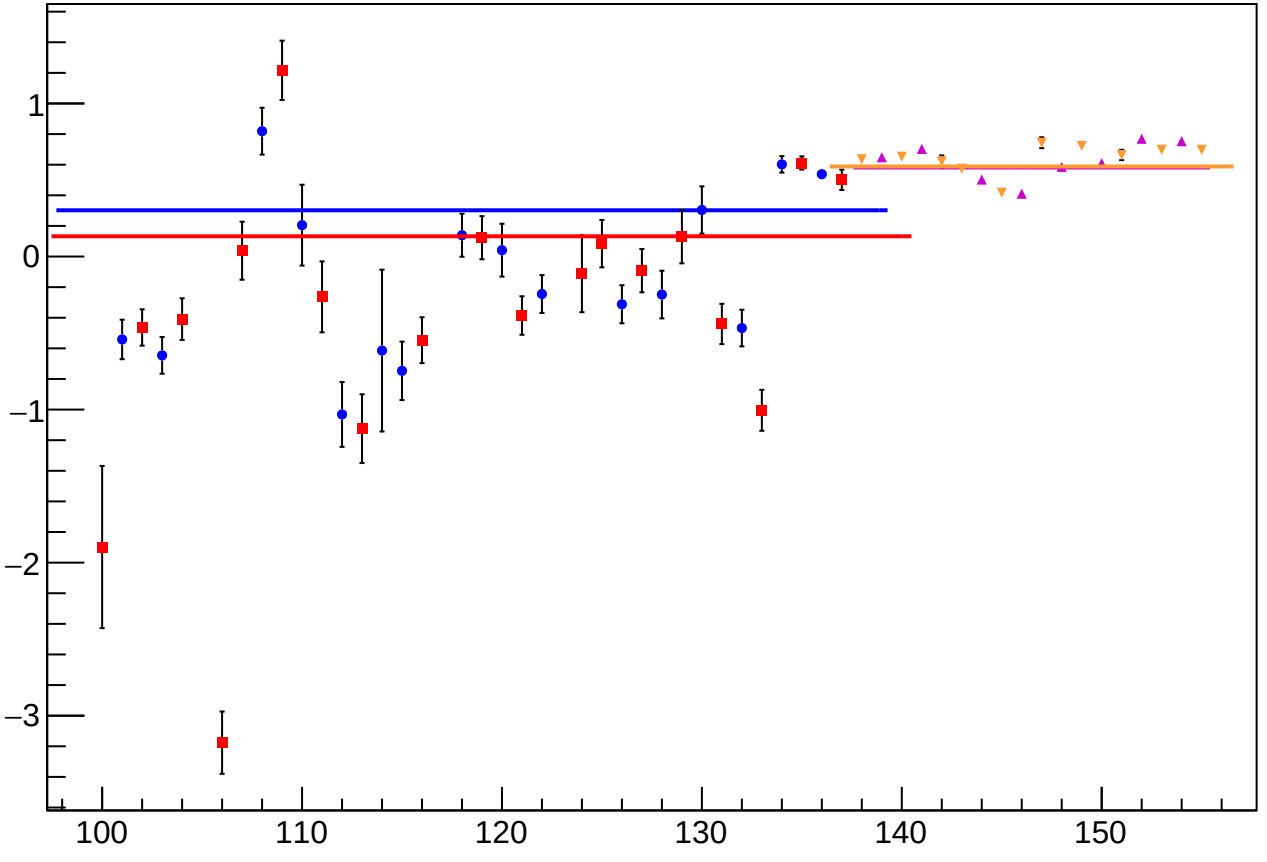
Left In: -29.892+/-0.173 χ^2/NDF:2856.1/7

+ sign -39.081+/-0.165 χ^2/NDF: 6790.0/25

All: -36.279+/-0.116 χ^2/NDF: 15488.2/52

- sign -33.537+/-0.163 χ^2/NDF: 8124.3/26

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.589+/-0.008 χ^2/NDF:212.5/9

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

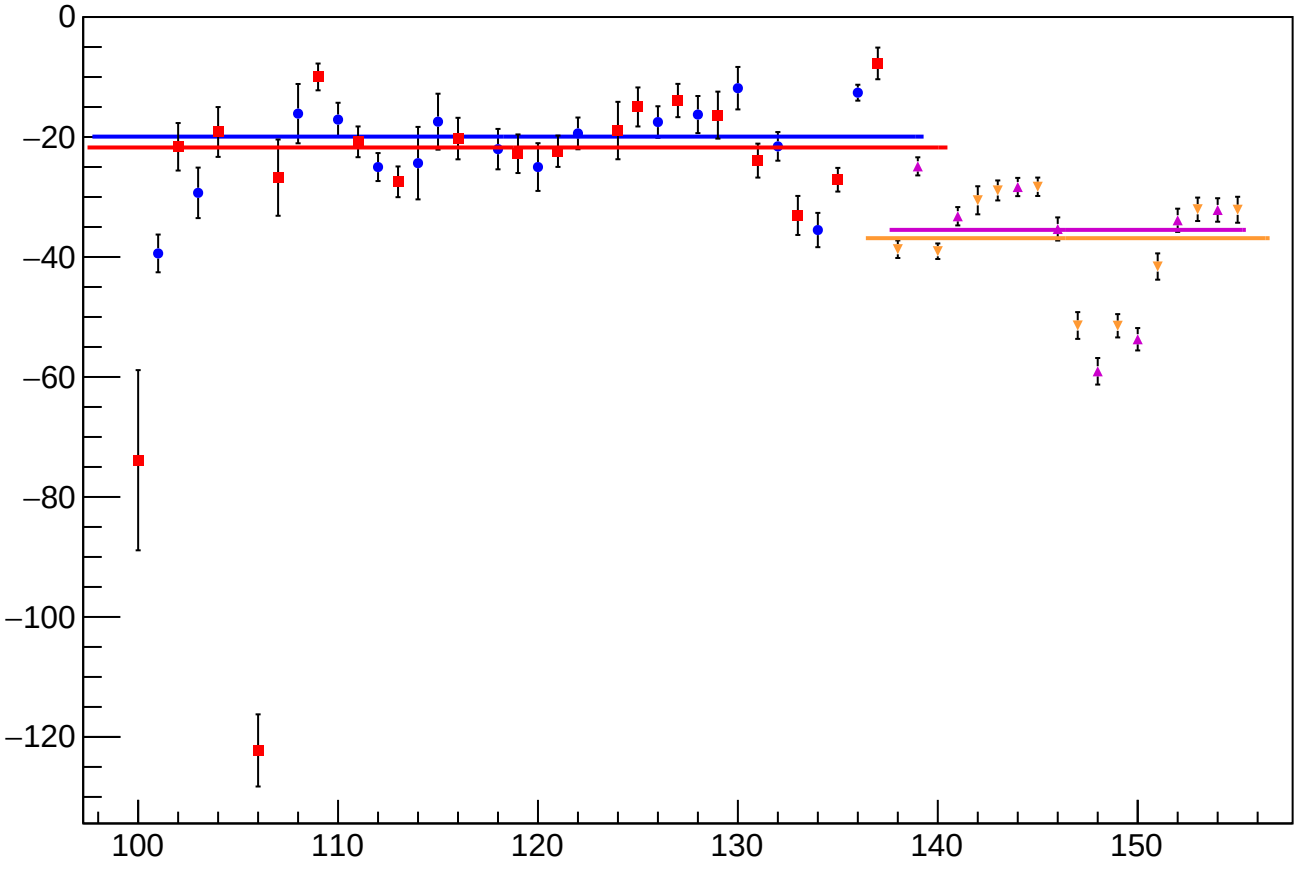
Left In: 0.582+/-0.008 χ^2/NDF:233.6/7

\+ sign 0.555+/-0.008 χ^2/NDF: 724.8/25

All: 0.548+/-0.006 χ^2/NDF: 1893.7/52

\- sign 0.540+/-0.008 χ^2/NDF: 1167.2/26

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -36.864+/-0.561 χ^2/NDF:180.2/9

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

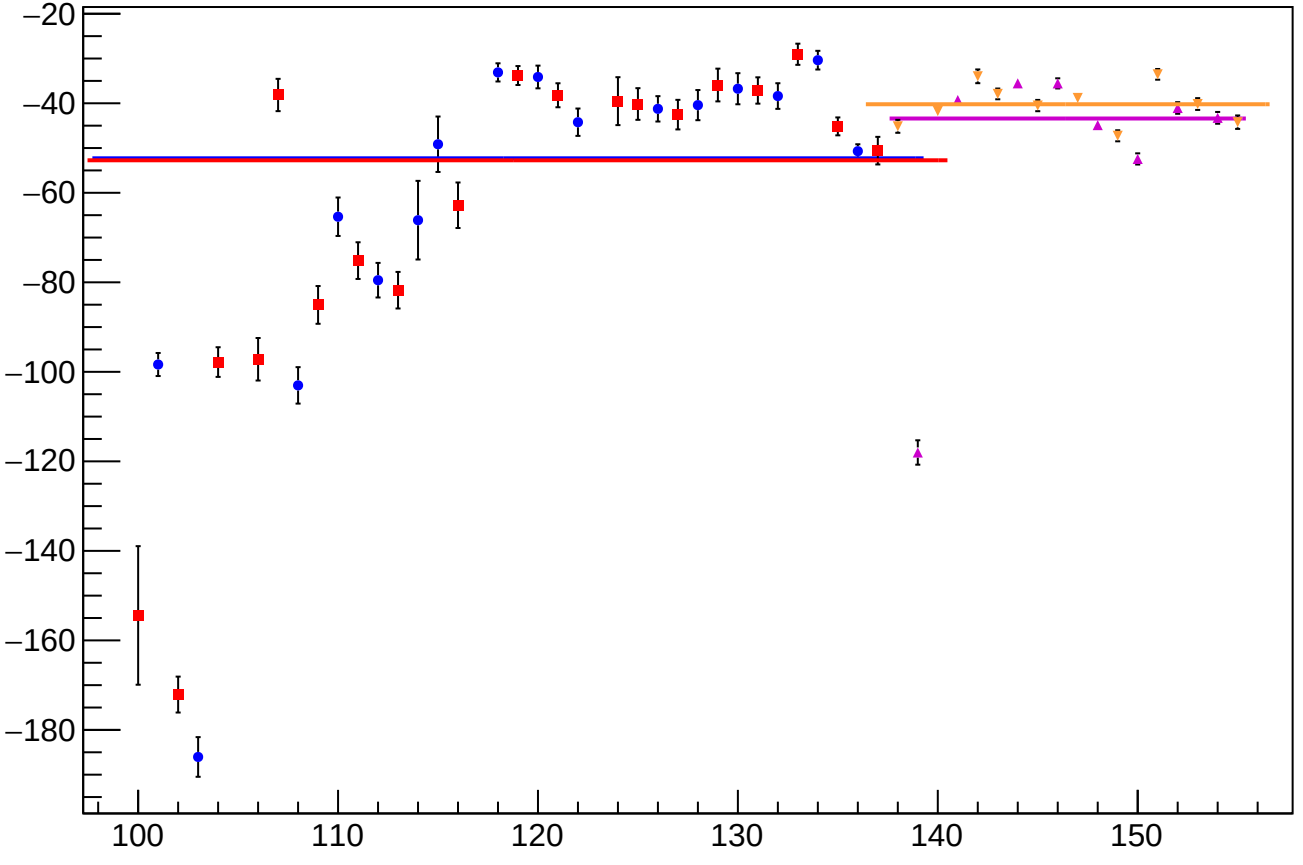
Left In: -35.480+/-0.622 χ^2/NDF:285.8/7

+ sign -30.188+/-0.436 χ^2/NDF: 660.4/25

All: -29.894+/-0.319 χ^2/NDF: 1546.1/52

- sign -29.554+/-0.469 χ^2/NDF: 884.7/26

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -40.216+/-0.396 χ^2/NDF:106.5/9

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

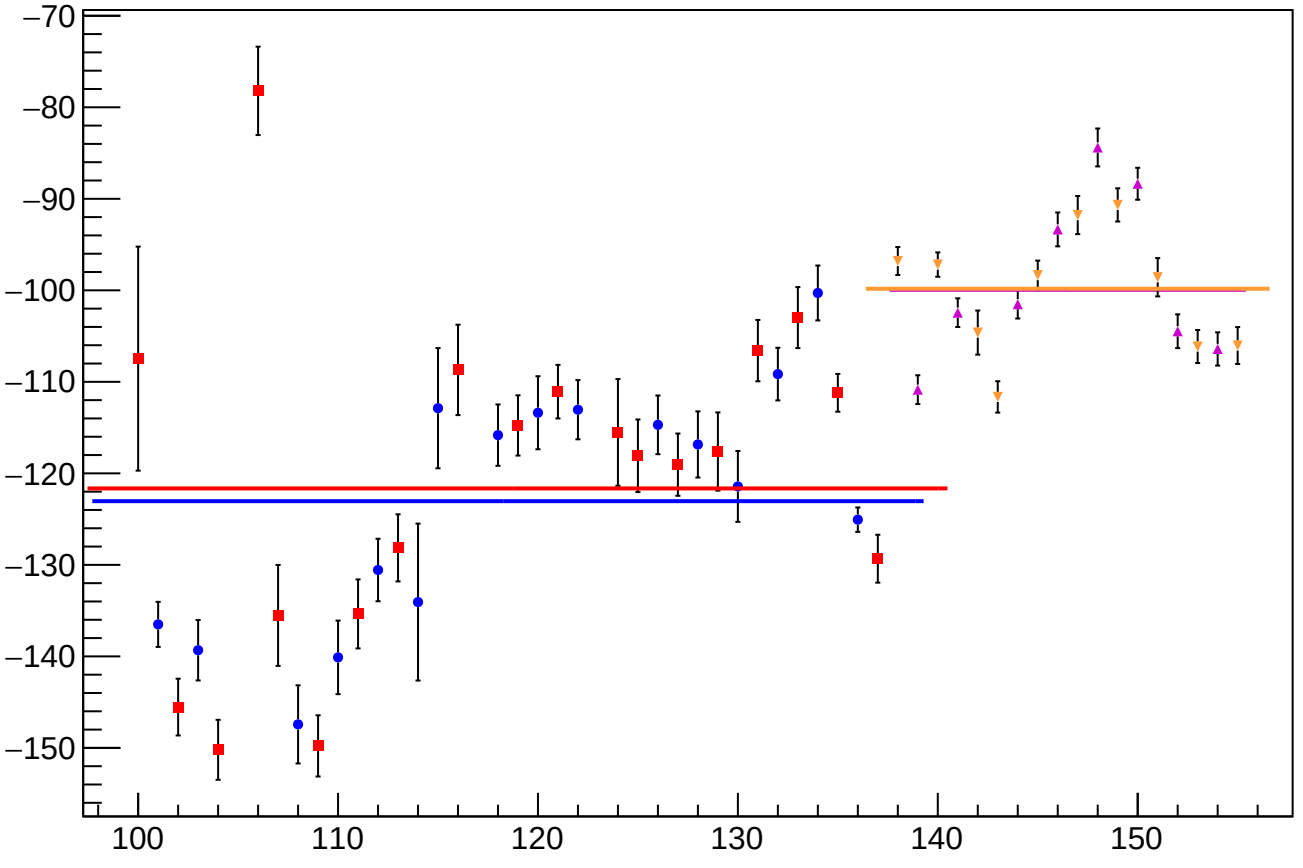
Left In: -43.403+/-0.438 χ^2/NDF:916.9/7

+ sign -43.090+/-0.345 χ^2/NDF: 2106.5/25

All: -44.316+/-0.255 χ^2/NDF: 4829.6/52

- sign -45.784+/-0.378 χ^2/NDF: 2695.4/26

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.827+/-0.557 χ^2/NDF:122.8/9

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

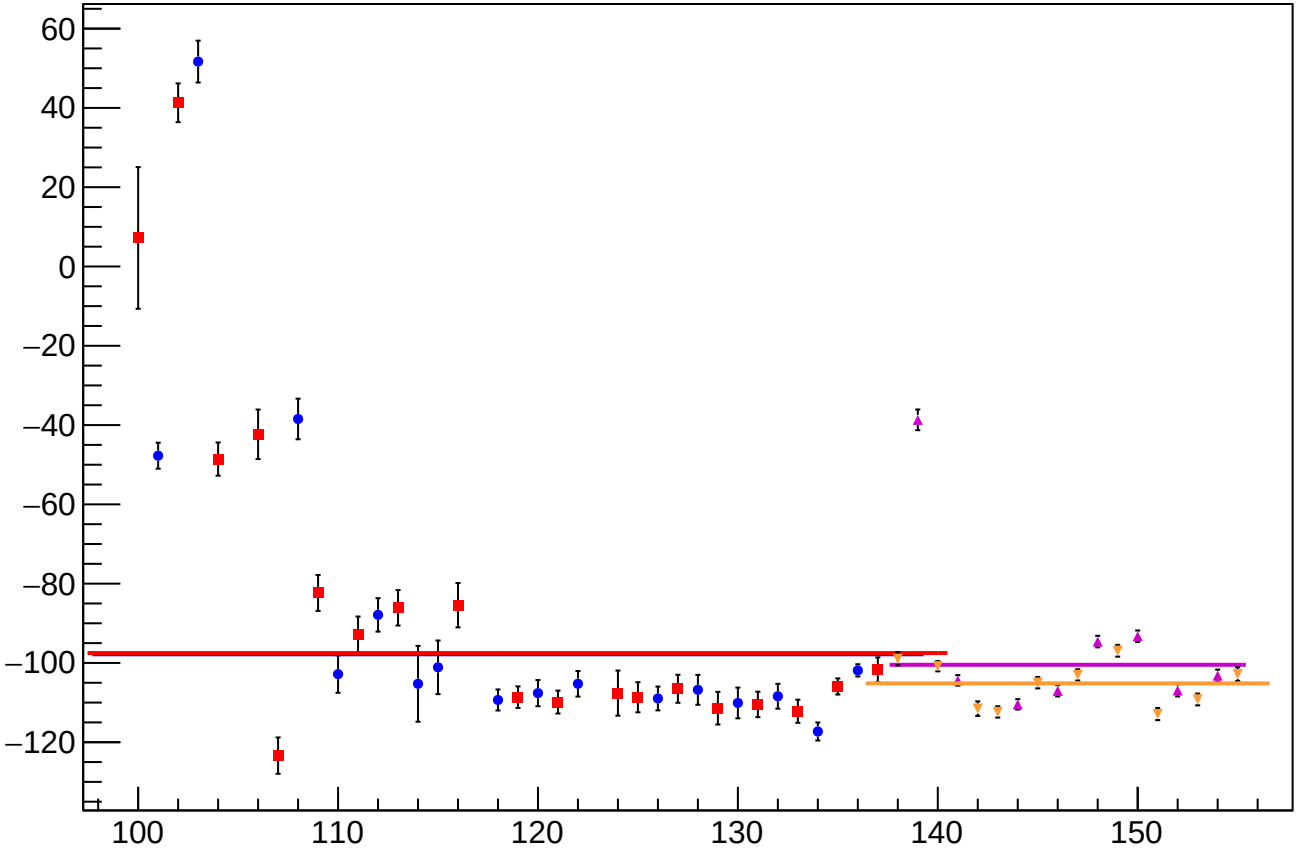
Left In: -99.943+/-0.612 χ^2/NDF:183.6/7

+ sign -108.080+/-0.447 χ^2/NDF: 966.9/25

All: -108.016+/-0.329 χ^2/NDF: 2038.5/52

- sign -107.939+/-0.486 χ^2/NDF: 1071.5/26

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -105.156+/-0.477 χ^2/NDF:130.2/9

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

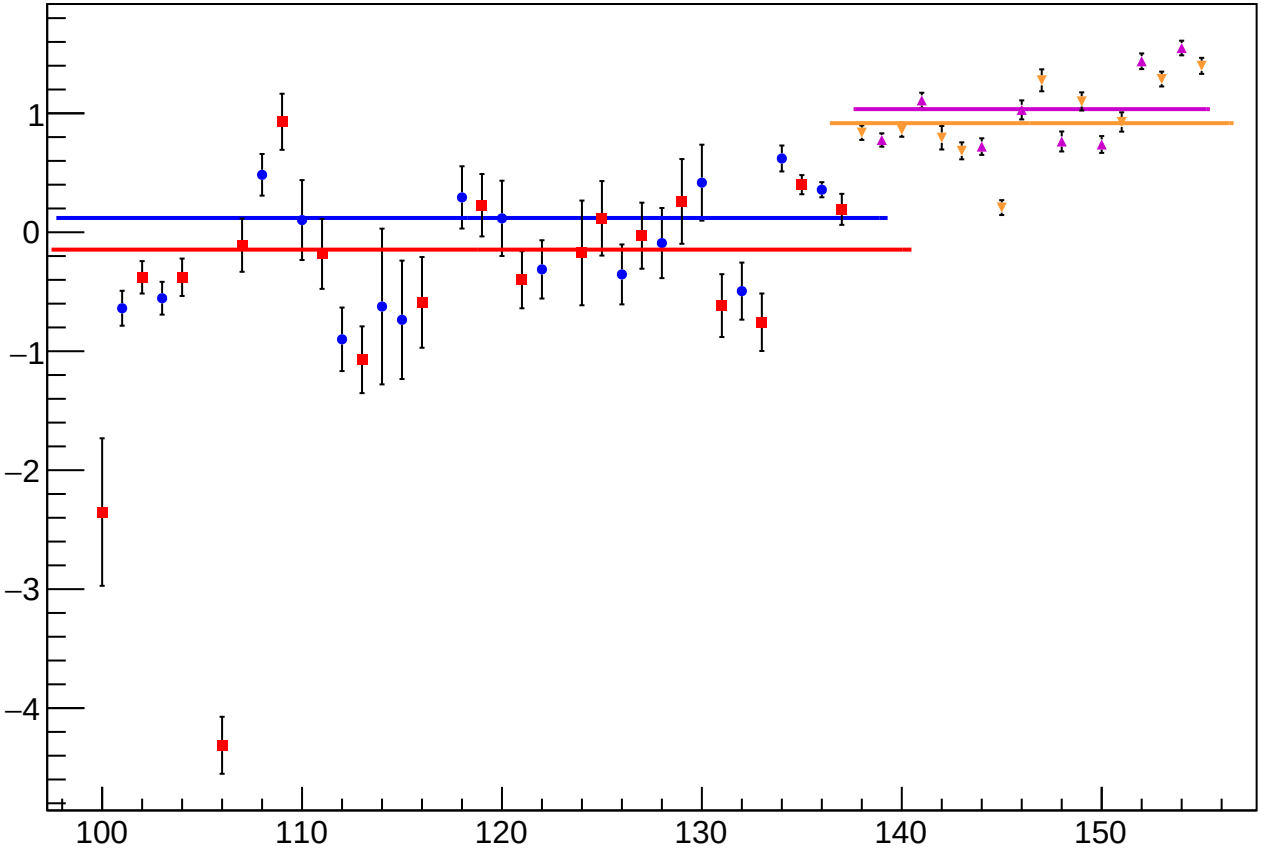
Left In: -100.464+/-0.528 χ^2/NDF:707.8/7

+ sign -103.205+/-0.409 χ^2/NDF: 1524.0/25

All: -101.577+/-0.302 χ^2/NDF: 3511.8/52

- sign -99.631+/-0.447 χ^2/NDF: 1953.1/26

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.917+/-0.022 χ^2/NDF:251.0/9

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

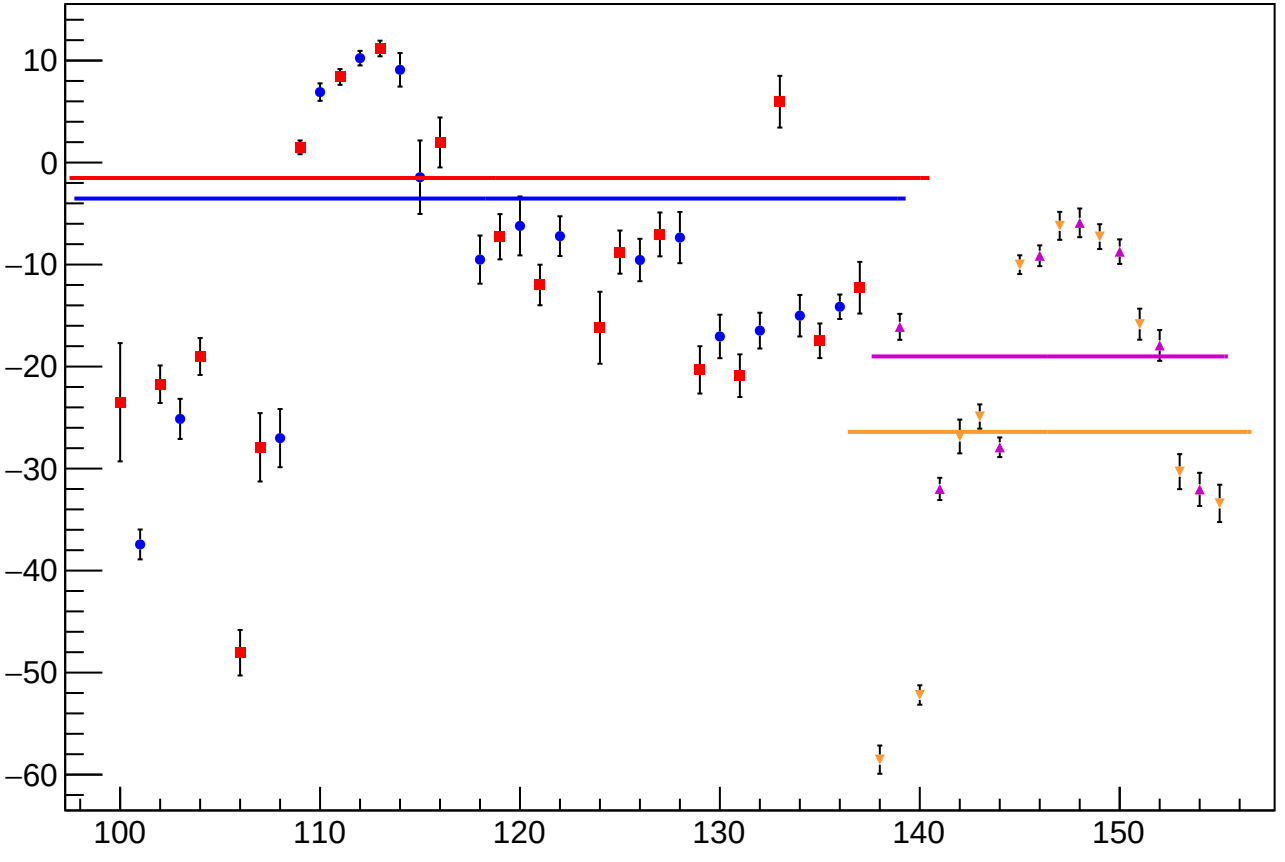
Left In: 1.035+/-0.024 χ^2/NDF:178.0/7

+ sign 0.738+/-0.020 χ^2/NDF: 664.6/25

All: 0.755+/-0.014 χ^2/NDF: 1805.2/52

- sign 0.775+/-0.021 χ^2/NDF: 1138.9/26

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -26.400+/-0.403 χ^2/NDF:2122.9/9

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

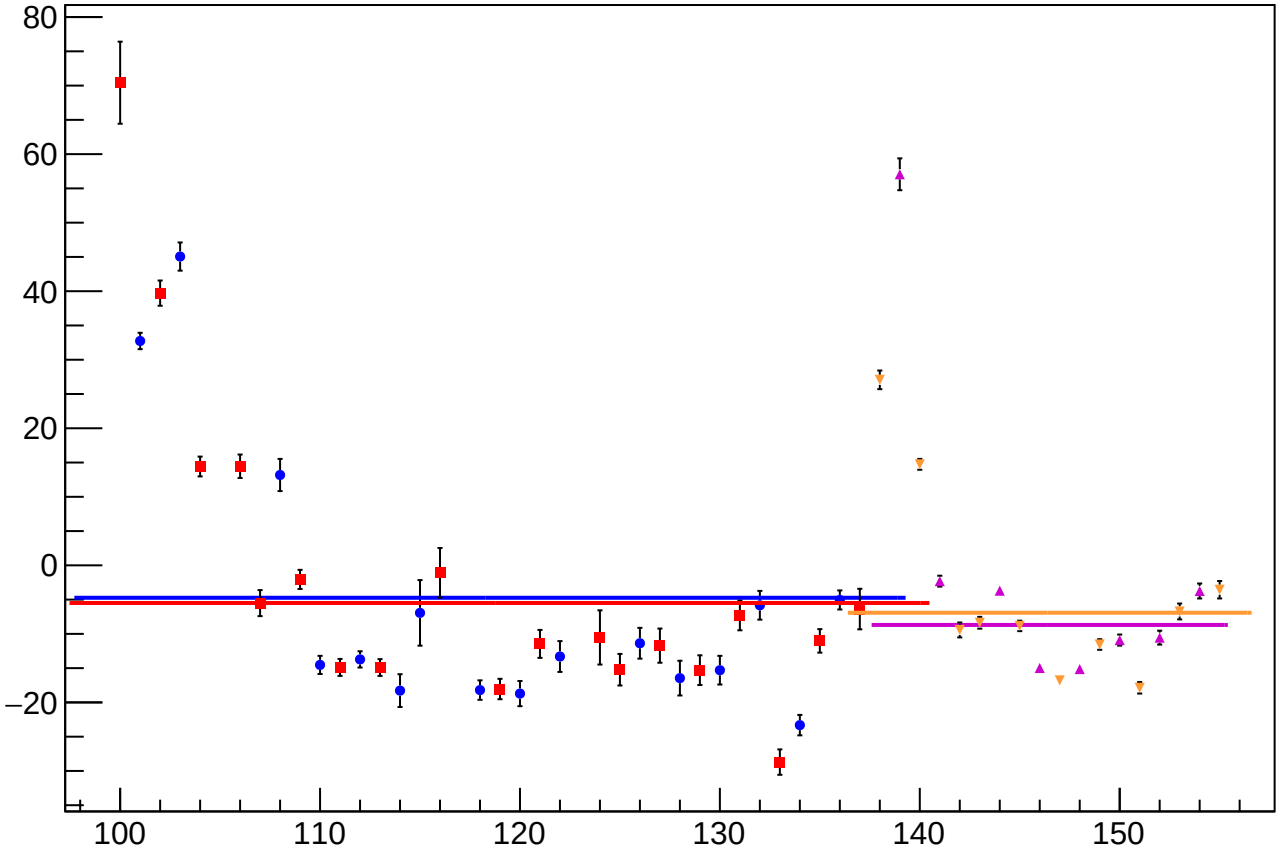
Left In: -19.005+/-0.426 χ^2/NDF:550.8/7

+ sign -14.191+/-0.275 χ^2/NDF: 5370.4/25

All: -11.125+/-0.191 χ^2/NDF: 8718.7/52

- sign -8.282+/-0.265 χ^2/NDF: 3109.2/26

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.915+/-0.277 χ^2/NDF:1847.5/9

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

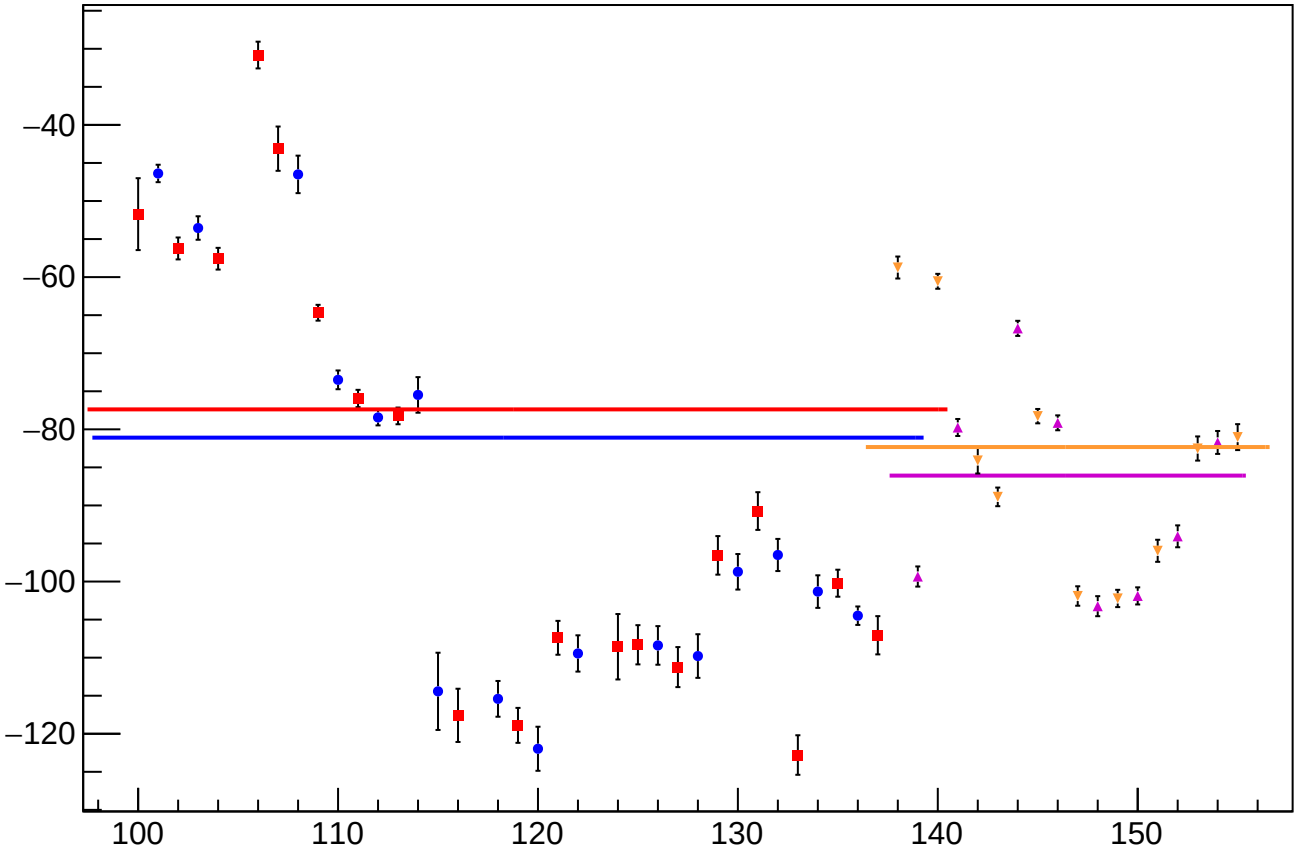
Left In: -8.696+/-0.289 χ^2/NDF:1143.1/7

+ sign -6.275+/-0.233 χ^2/NDF: 4013.7/25

All: -6.959+/-0.167 χ^2/NDF: 6722.1/52

- sign -7.674+/-0.238 χ^2/NDF: 2690.9/26

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -82.327+/-0.400 χ^2/NDF:1438.2/9

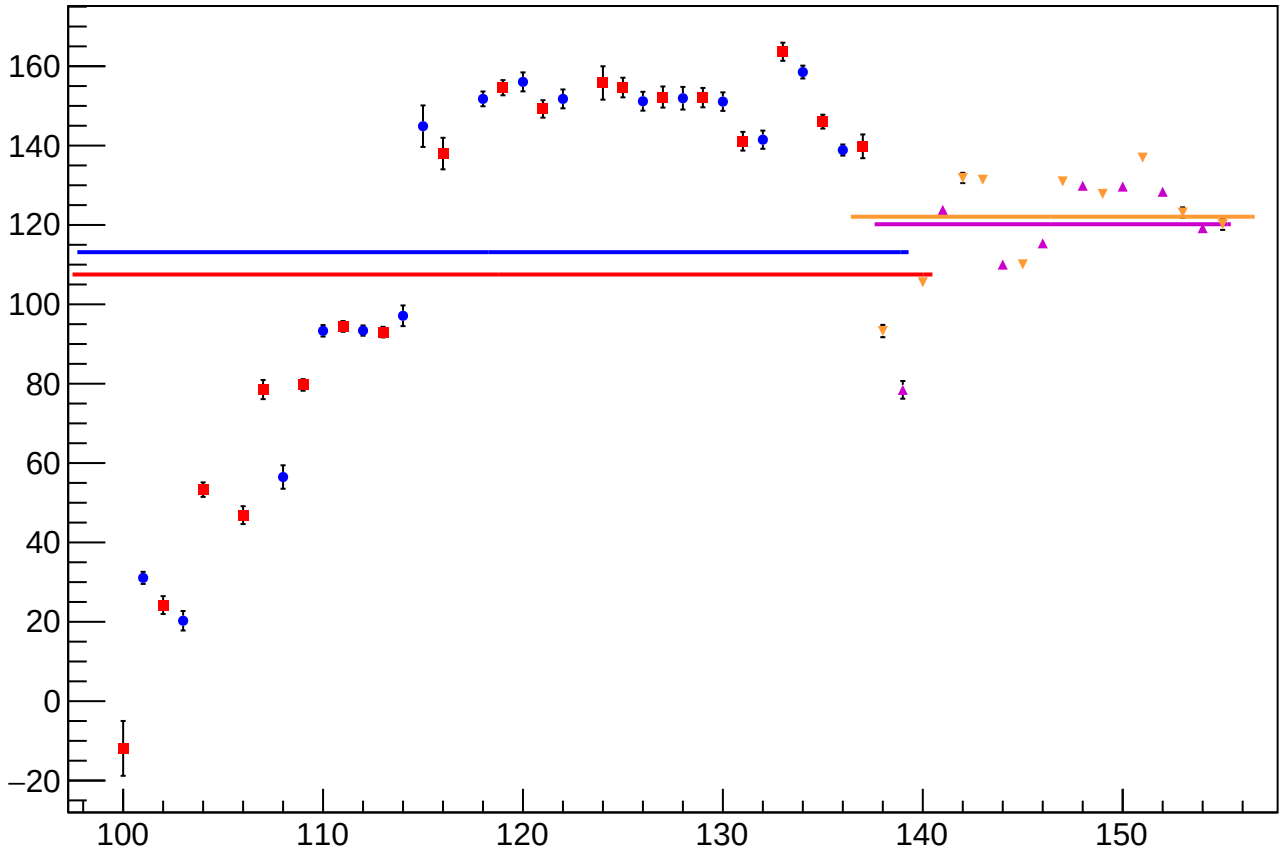
Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -86.079+/-0.418 χ^2/NDF:968.0/7

+ sign -81.766+/-0.295 χ^2/NDF: 4312.8/25

All: -81.740+/-0.209 χ^2/NDF: 8627.5/52

- sign -81.714+/-0.295 χ^2/NDF: 4314.6/26



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.071+/-0.337 χ^2/NDF:1313.7/9

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

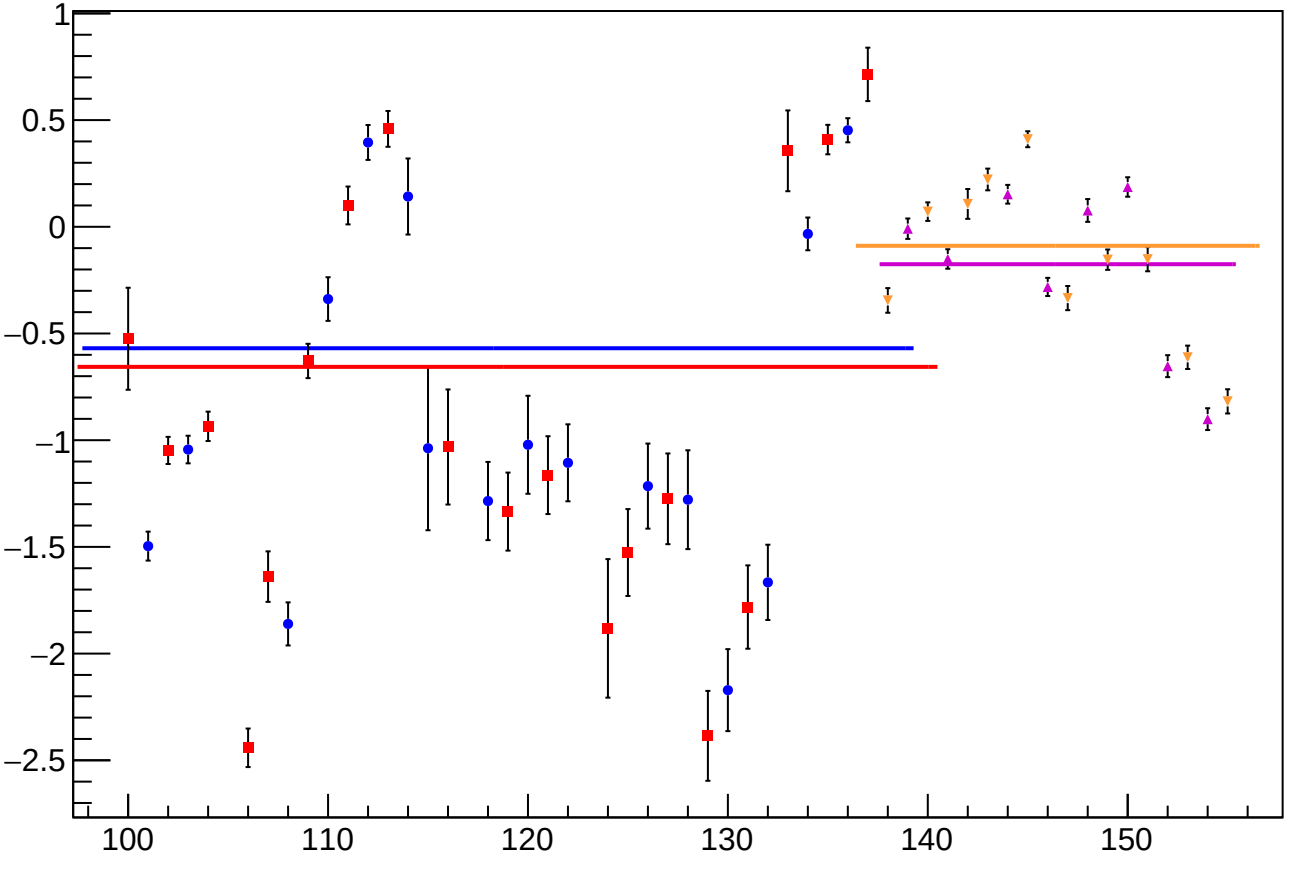
Left In: 120.182+/-0.351 χ^2/NDF:812.5/7

+ sign 119.195+/-0.278 χ^2/NDF: 9743.8/25

All: 117.512+/-0.198 χ^2/NDF: 18629.8/52

- sign 115.760+/-0.283 χ^2/NDF: 8811.1/26

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.089+/-0.016 χ^2/NDF:534.6/9

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

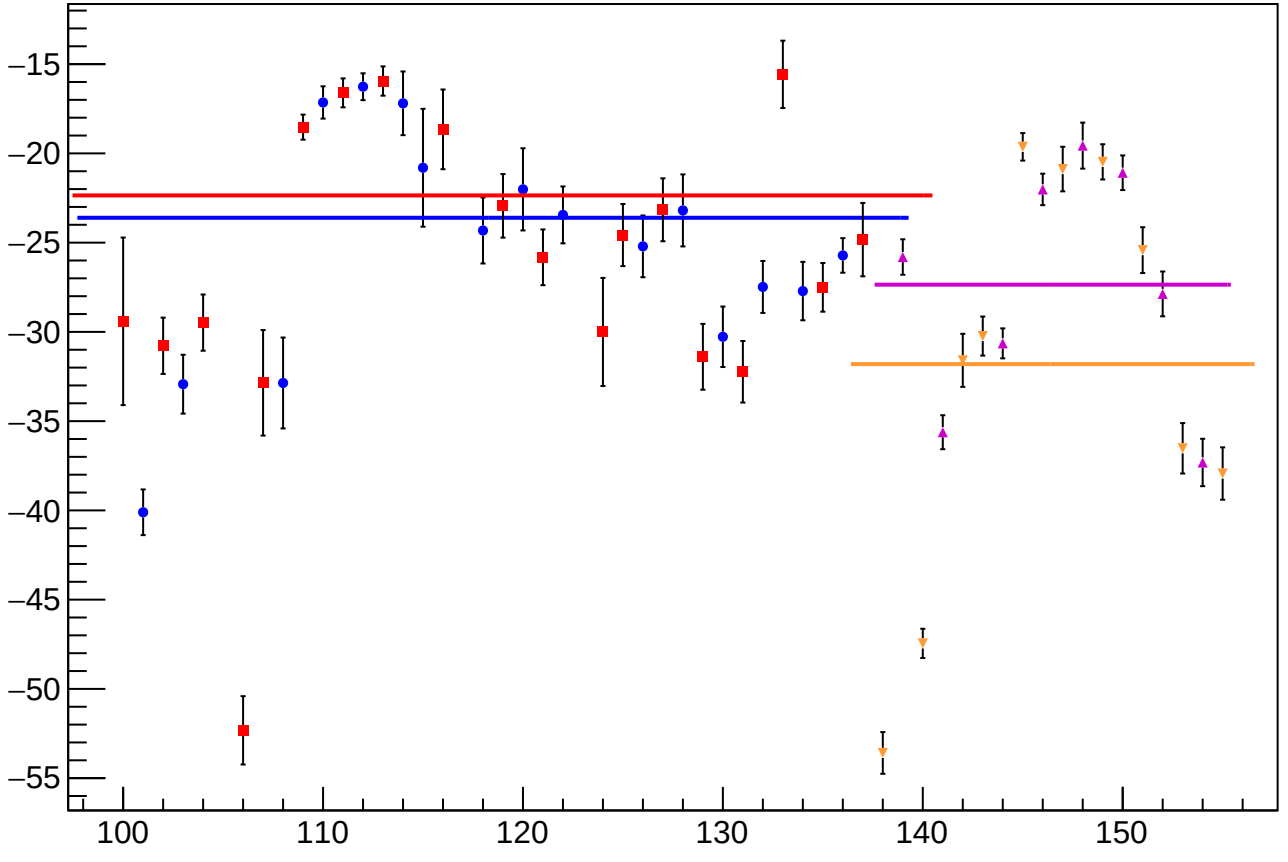
Left In: -0.175+/-0.017 χ^2/NDF:447.3/7

+ sign -0.224+/-0.014 χ^2/NDF: 1881.0/25

All: -0.272+/-0.010 χ^2/NDF: 3921.7/52

- sign -0.322+/-0.014 χ^2/NDF: 2015.4/26

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.806+/-0.344 χ^2/NDF:1225.2/9

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

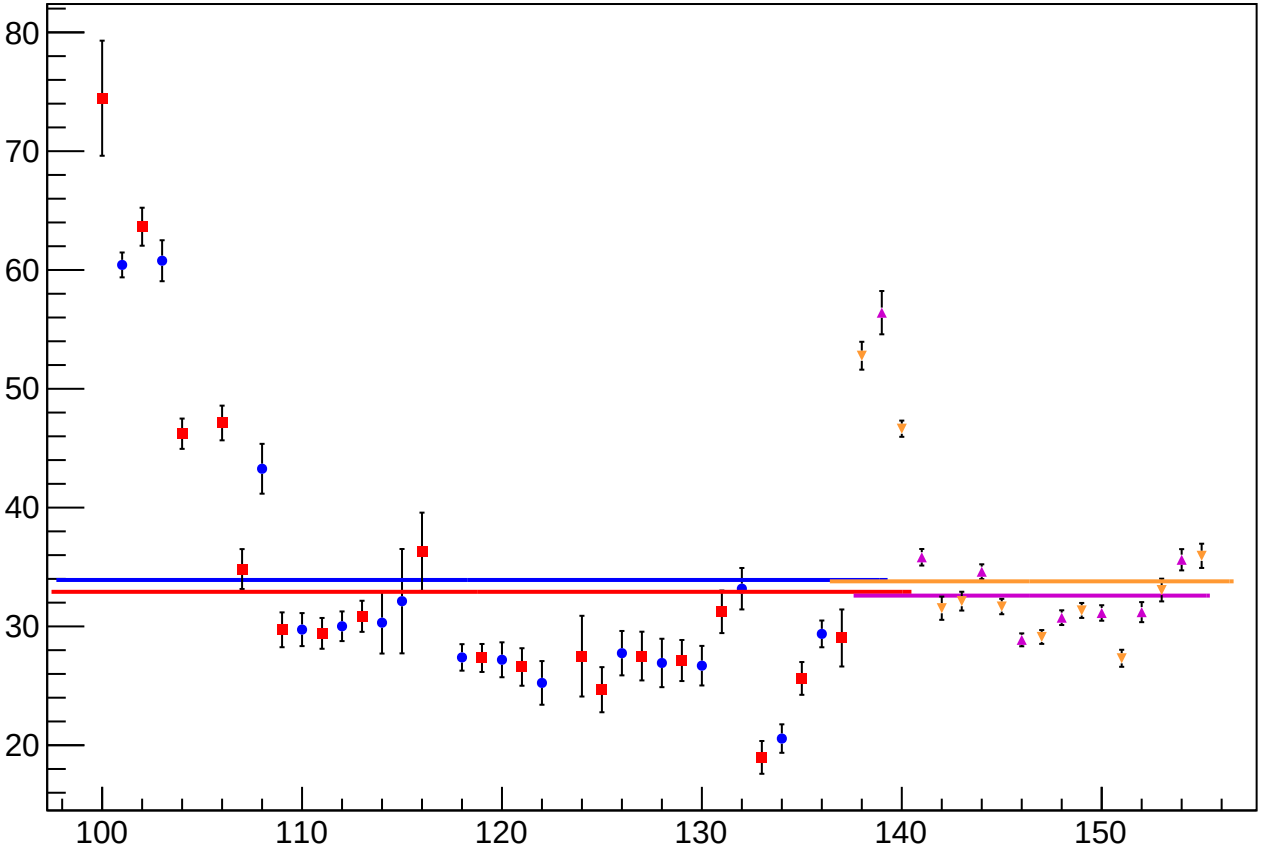
Left In: -27.354+/-0.361 χ^2/NDF:264.7/7

+ sign -27.754+/-0.245 χ^2/NDF: 1911.9/25

All: -26.131+/-0.171 χ^2/NDF: 2921.6/52

- sign -24.570+/-0.240 χ^2/NDF: 923.5/26

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.794+/-0.240 χ^2/NDF:803.6/9

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

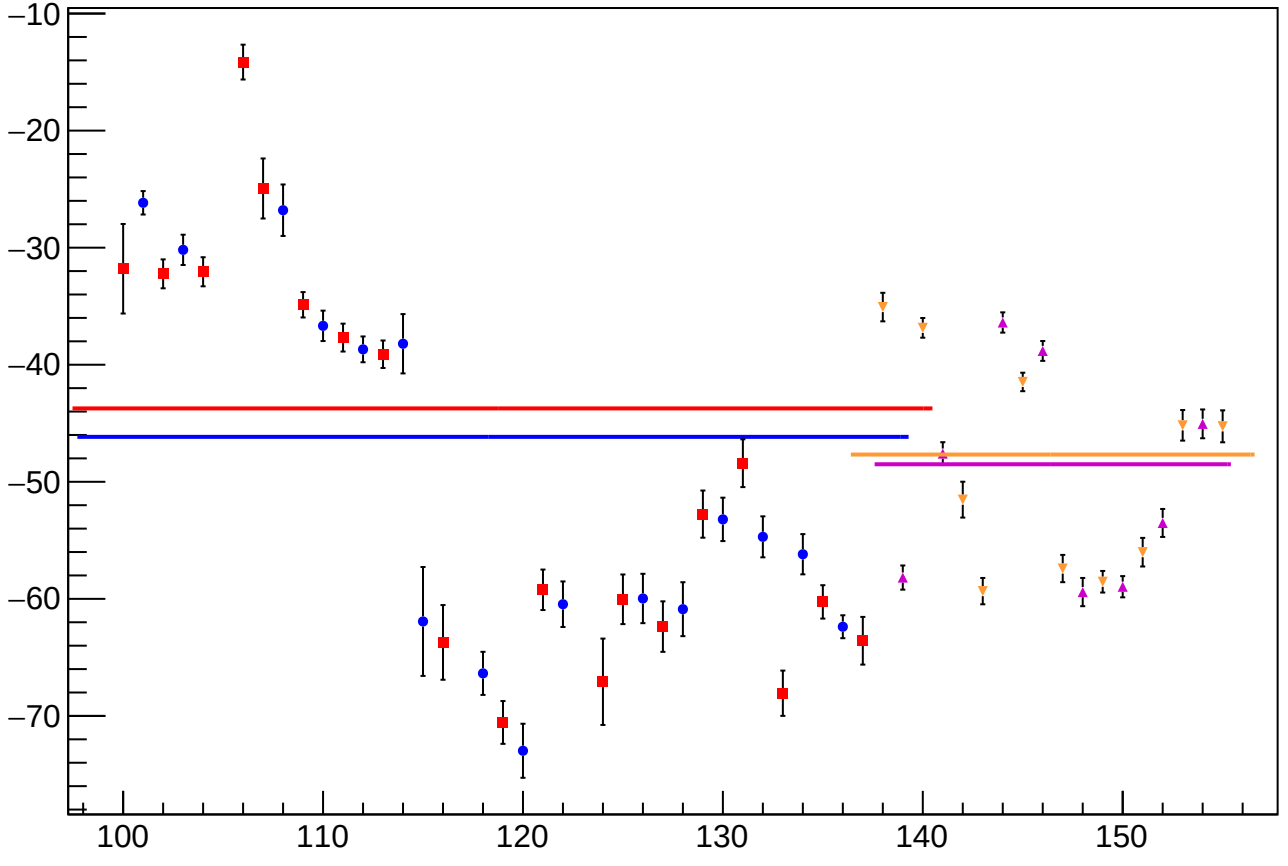
Left In: 32.593+/-0.251 χ^2/NDF:277.7/7

+ sign 33.827+/-0.202 χ^2/NDF: 1988.1/25

All: 33.276+/-0.145 χ^2/NDF: 3156.6/52

- sign 32.692+/-0.208 χ^2/NDF: 1153.2/26

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.672+/-0.341 χ^2/NDF:709.2/9

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

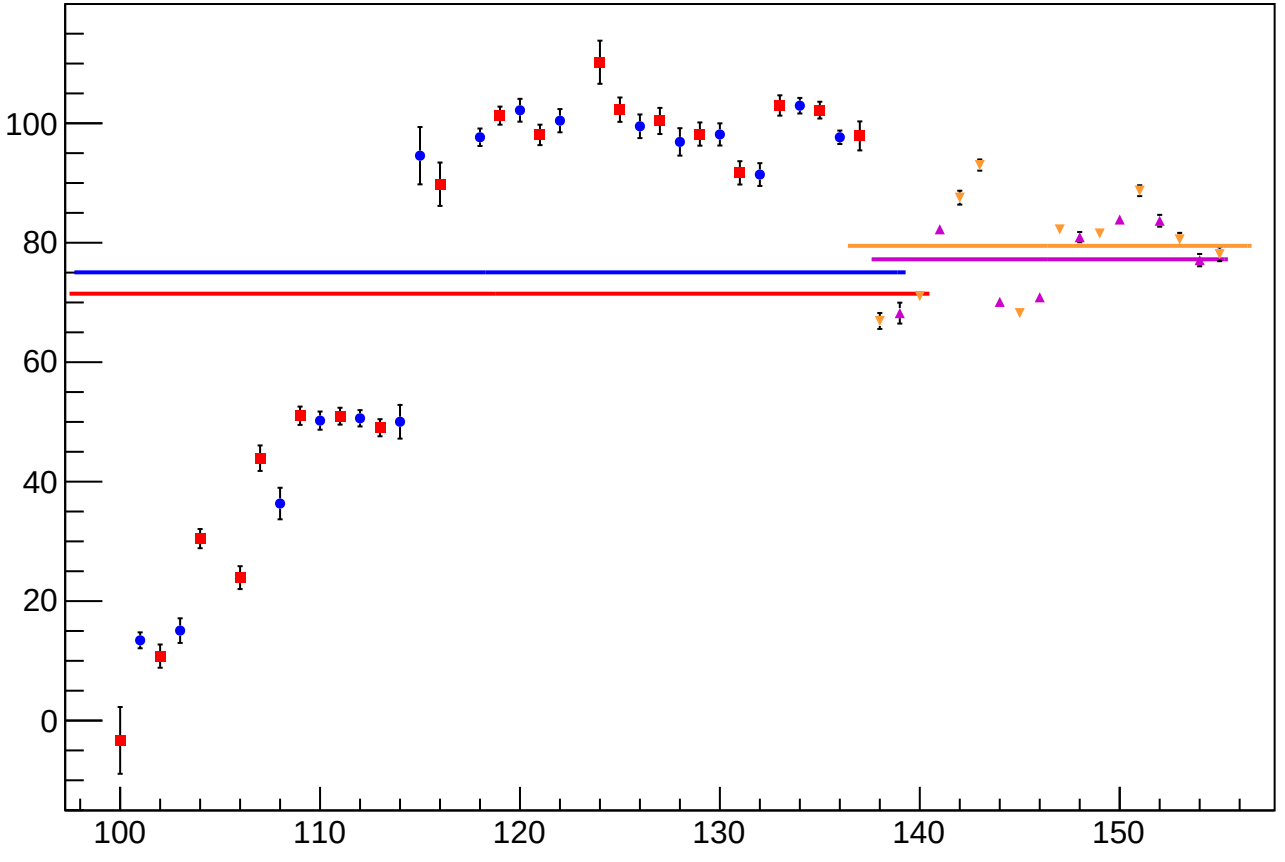
Left In: -48.501+/-0.354 χ^2/NDF:654.9/7

+ sign -47.017+/-0.257 χ^2/NDF: 2207.4/25

All: -46.648+/-0.182 χ^2/NDF: 4614.6/52

- sign -46.273+/-0.259 χ^2/NDF: 2403.0/26

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.480+/-0.290 χ^2/NDF:809.3/9

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

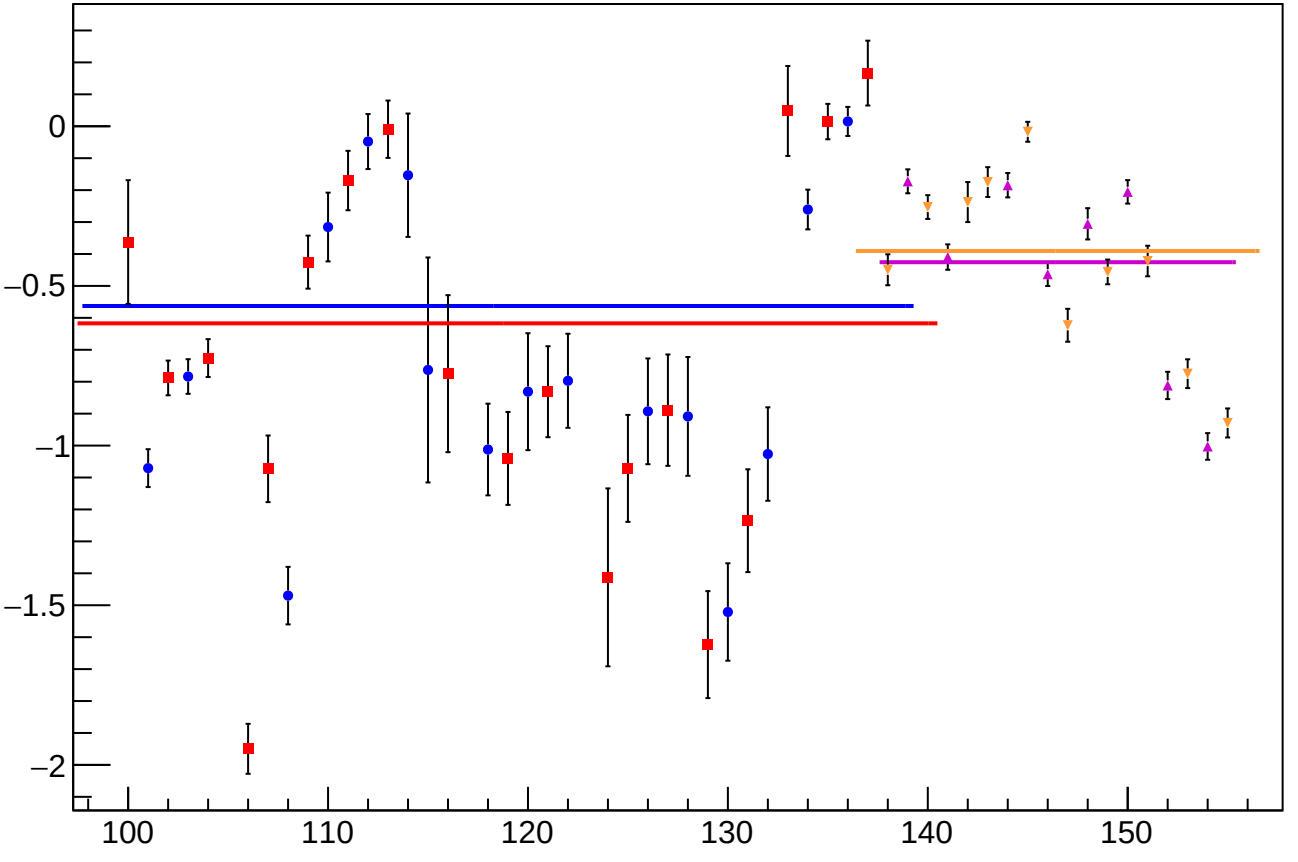
Left In: 77.228+/-0.302 χ^2/NDF:388.6/7

+ sign 78.081+/-0.240 χ^2/NDF: 6711.4/25

All: 76.727+/-0.172 χ^2/NDF: 12915.4/52

- sign 75.302+/-0.246 χ^2/NDF: 6138.6/26

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.391+/-0.014 χ^2/NDF:422.4/9

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

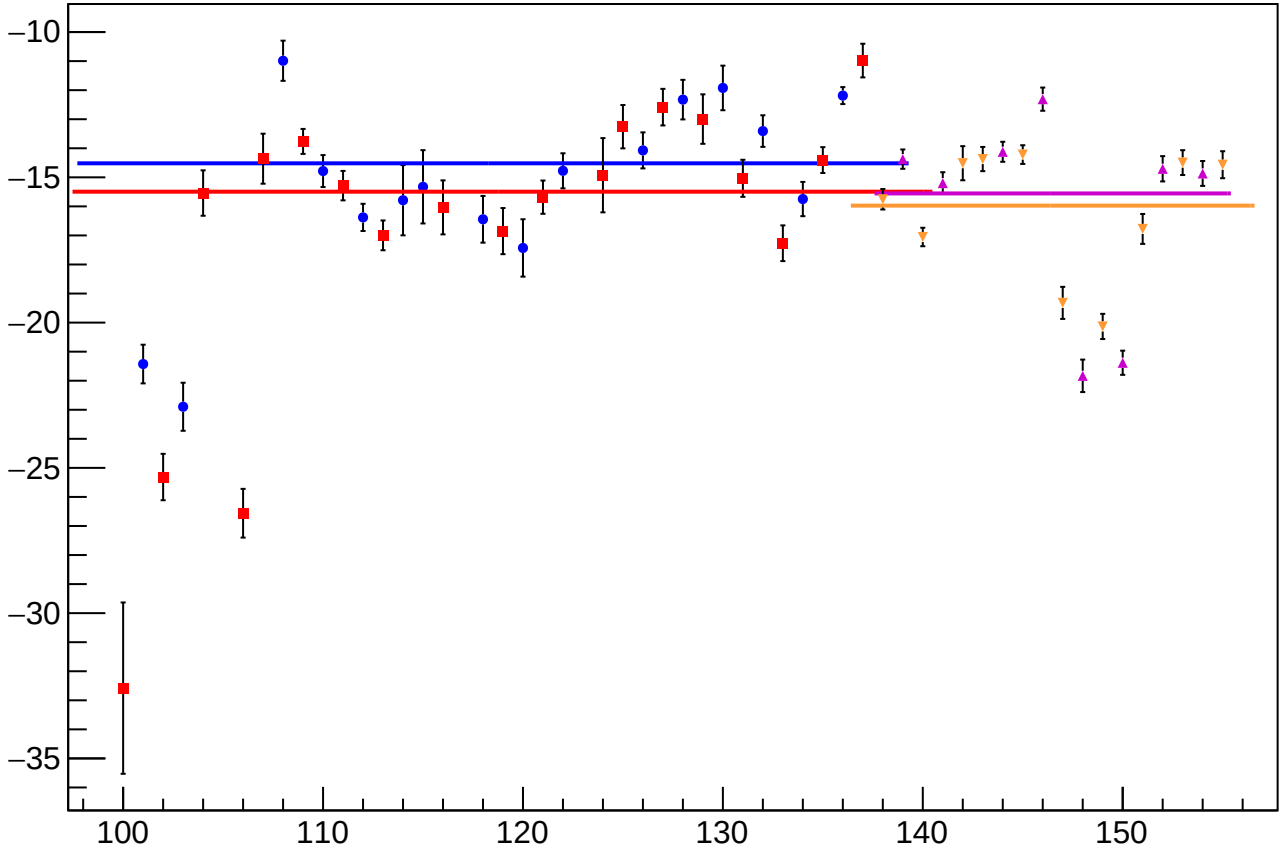
Left In: -0.426+/-0.014 χ^2/NDF:401.2/7

+ sign -0.438+/-0.012 χ^2/NDF: 959.0/25

All: -0.459+/-0.008 χ^2/NDF: 2109.9/52

- sign -0.481+/-0.012 χ^2/NDF: 1144.3/26

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: -15.974+/-0.130 χ^2/NDF:215.3/9

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

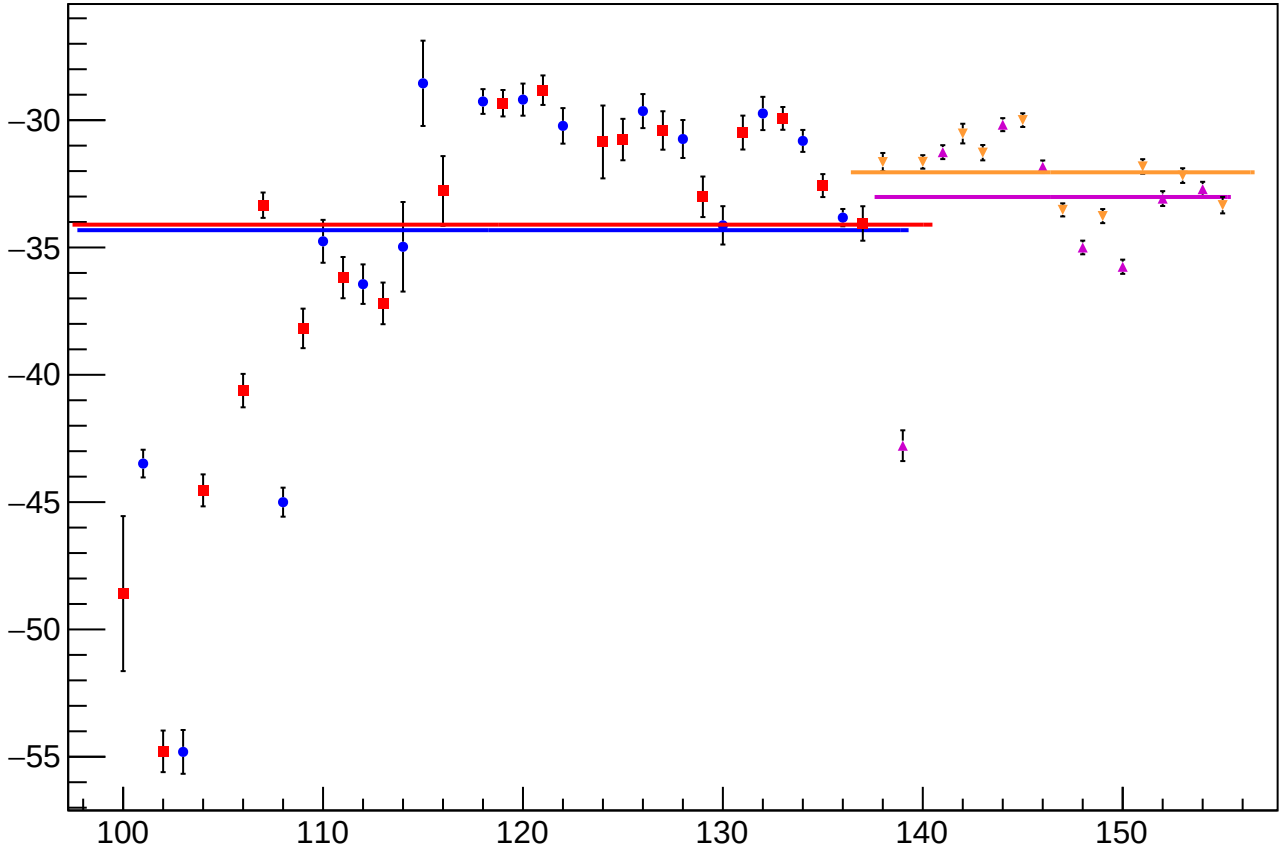
Left In: -15.554+/-0.141 χ^2/NDF:425.6/7

+ sign -15.344+/-0.098 χ^2/NDF: 632.5/25

All: -15.431+/-0.071 χ^2/NDF: 1563.7/52

- sign -15.526+/-0.103 χ^2/NDF: 929.5/26

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: -32.048+/-0.093 χ^2/NDF:171.8/9

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

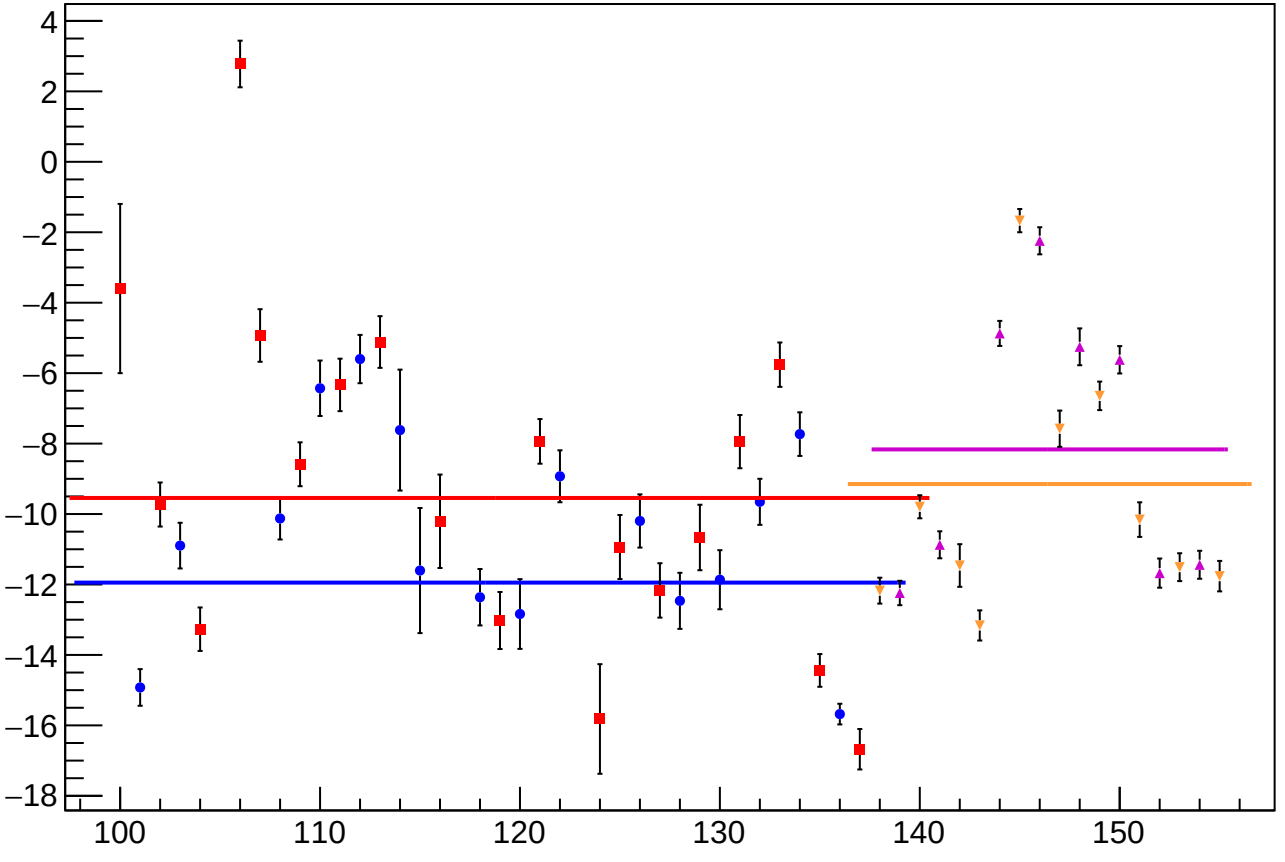
Left In: -33.017+/-0.101 χ^2/NDF:600.7/7

+ sign -32.660+/-0.080 χ^2/NDF: 1953.0/25

All: -32.981+/-0.058 χ^2/NDF: 4058.0/52

- sign -33.343+/-0.084 χ^2/NDF: 2070.3/26

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: -9.149+/-0.129 χ^2/NDF:811.4/9

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

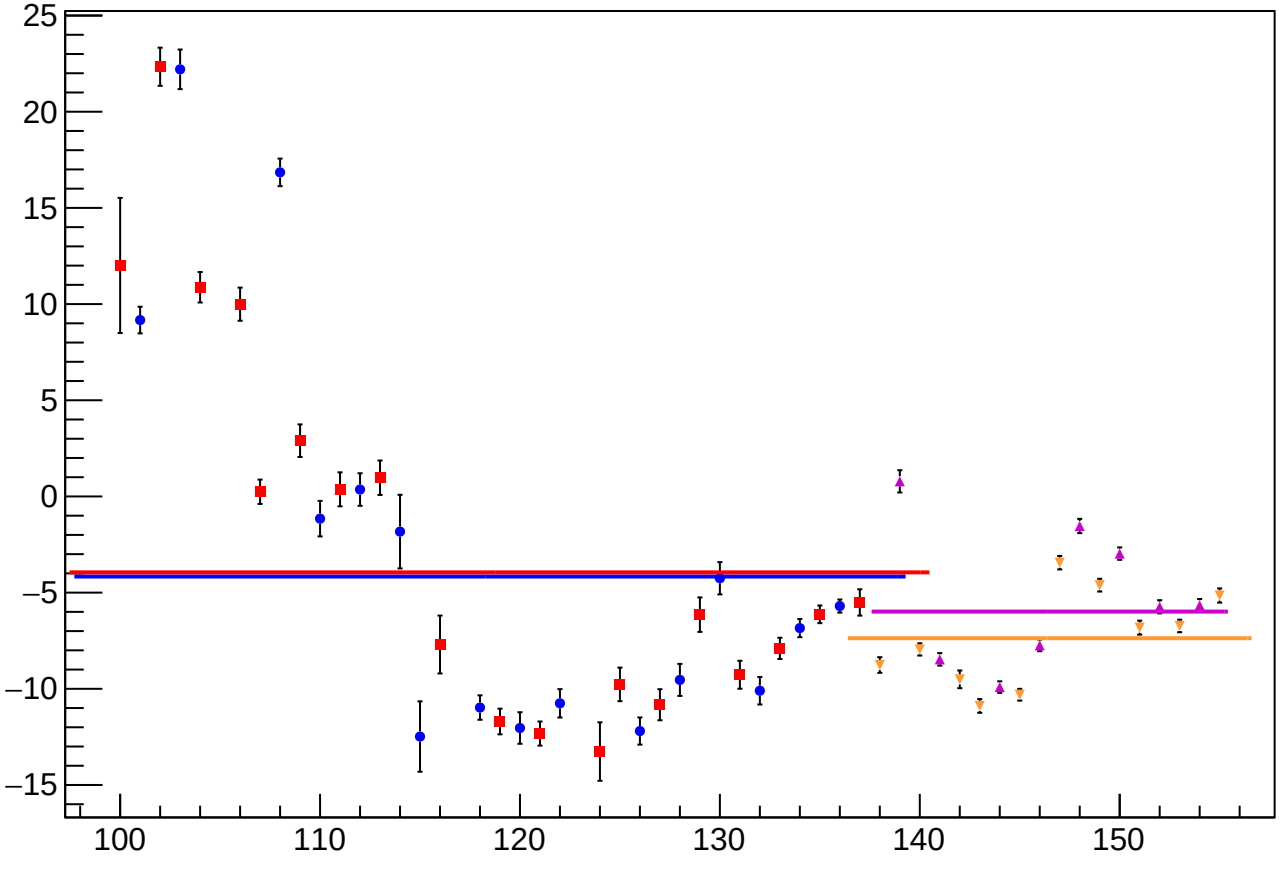
Left In: -8.165+/-0.138 χ^2/NDF:725.1/7

+ sign -10.252+/-0.101 χ^2/NDF: 1426.2/25

All: -9.533+/-0.073 χ^2/NDF: 3147.5/52

- sign -8.733+/-0.106 χ^2/NDF: 1613.2/26

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.370+/-0.111 χ^2/NDF:461.9/9

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

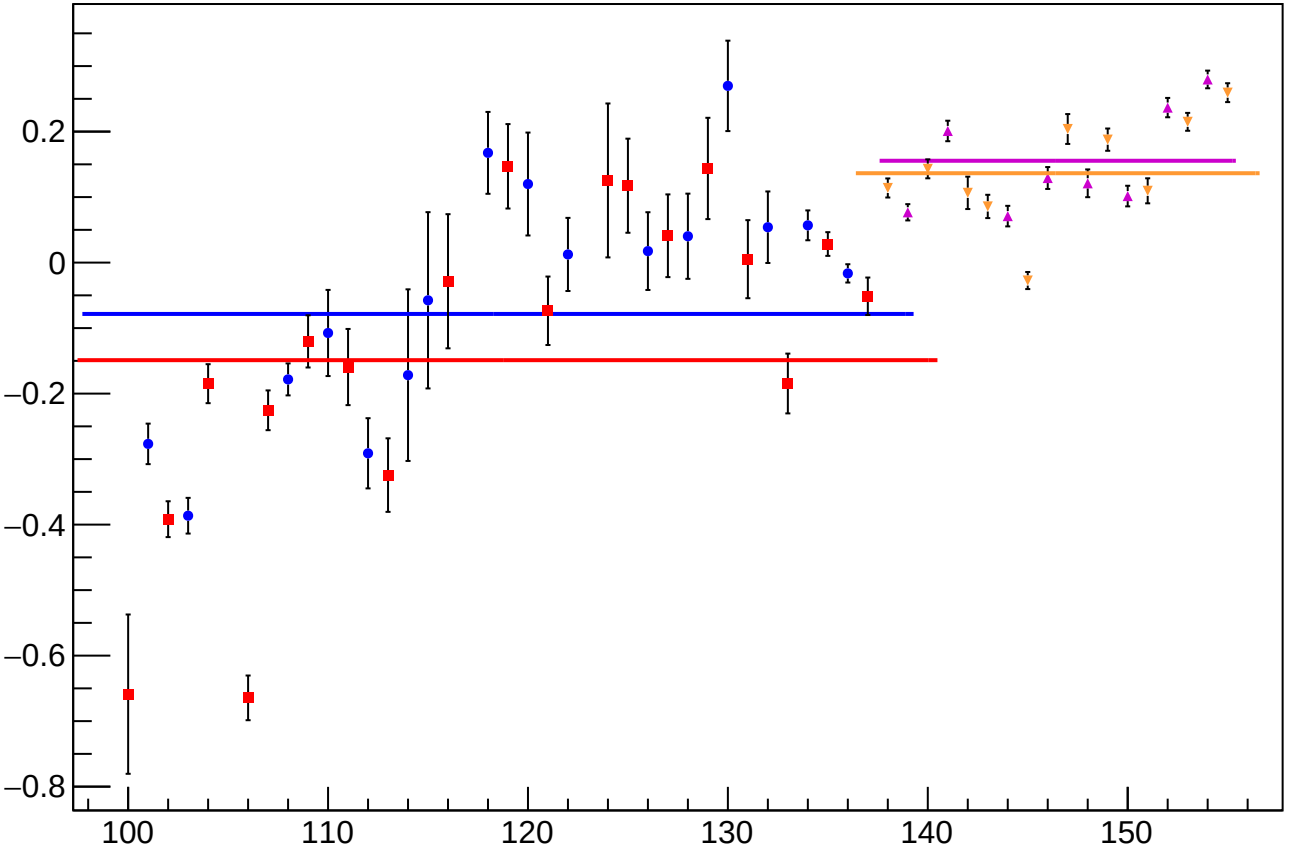
Left In: -5.986+/-0.121 χ^2/NDF:633.2/7

+ sign -6.420+/-0.094 χ^2/NDF: 3231.8/25

All: -5.911+/-0.068 χ^2/NDF: 6129.7/52

- sign -5.335+/-0.099 χ^2/NDF: 2834.7/26

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.136+/-0.005 χ^2/NDF:295.7/9

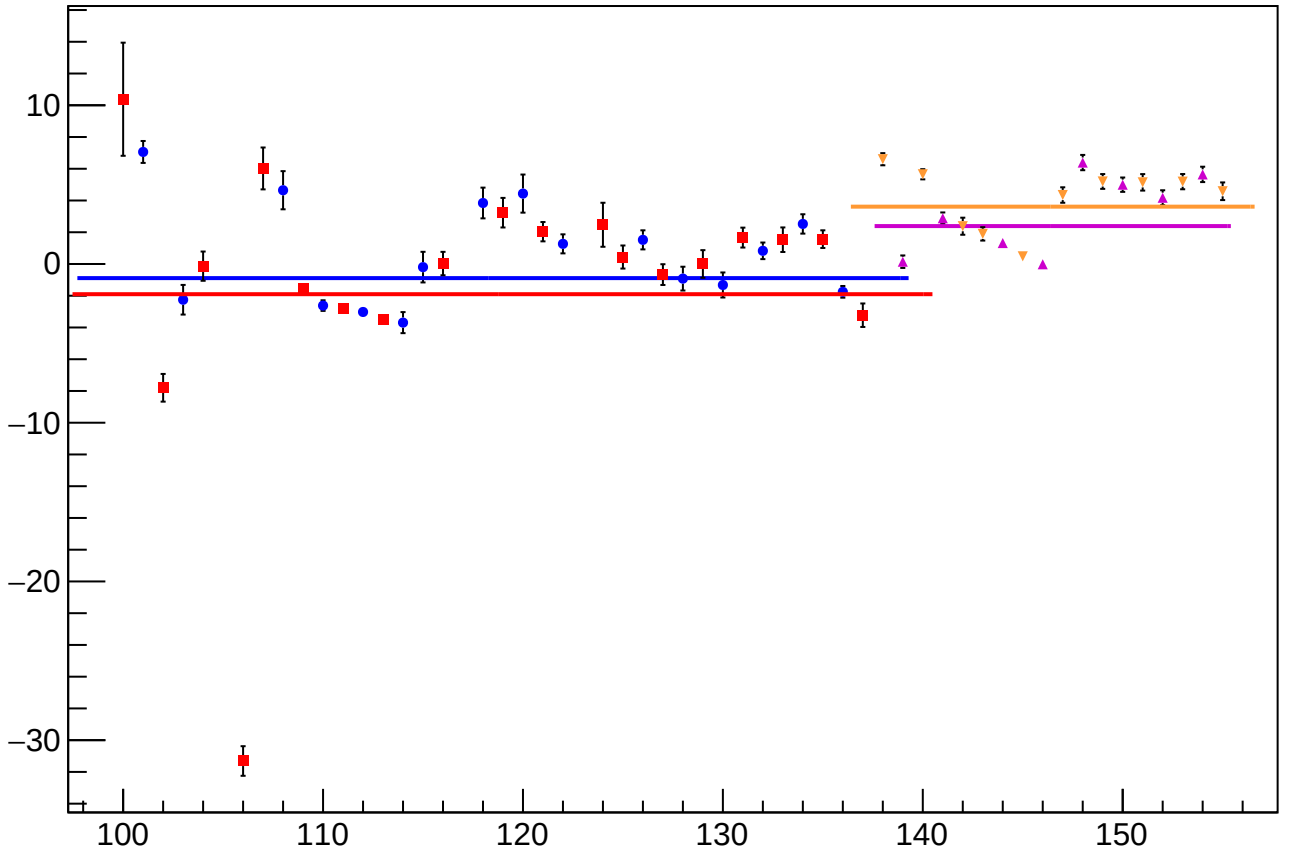
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.155+/-0.005 χ^2/NDF:209.4/7

+ sign 0.080+/-0.004 χ^2/NDF: 1078.7/25

All: 0.078+/-0.003 χ^2/NDF: 2646.0/52

- sign 0.076+/-0.005 χ^2/NDF: 1566.9/26



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.613+/-0.127 χ^2/NDF:323.2/9

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

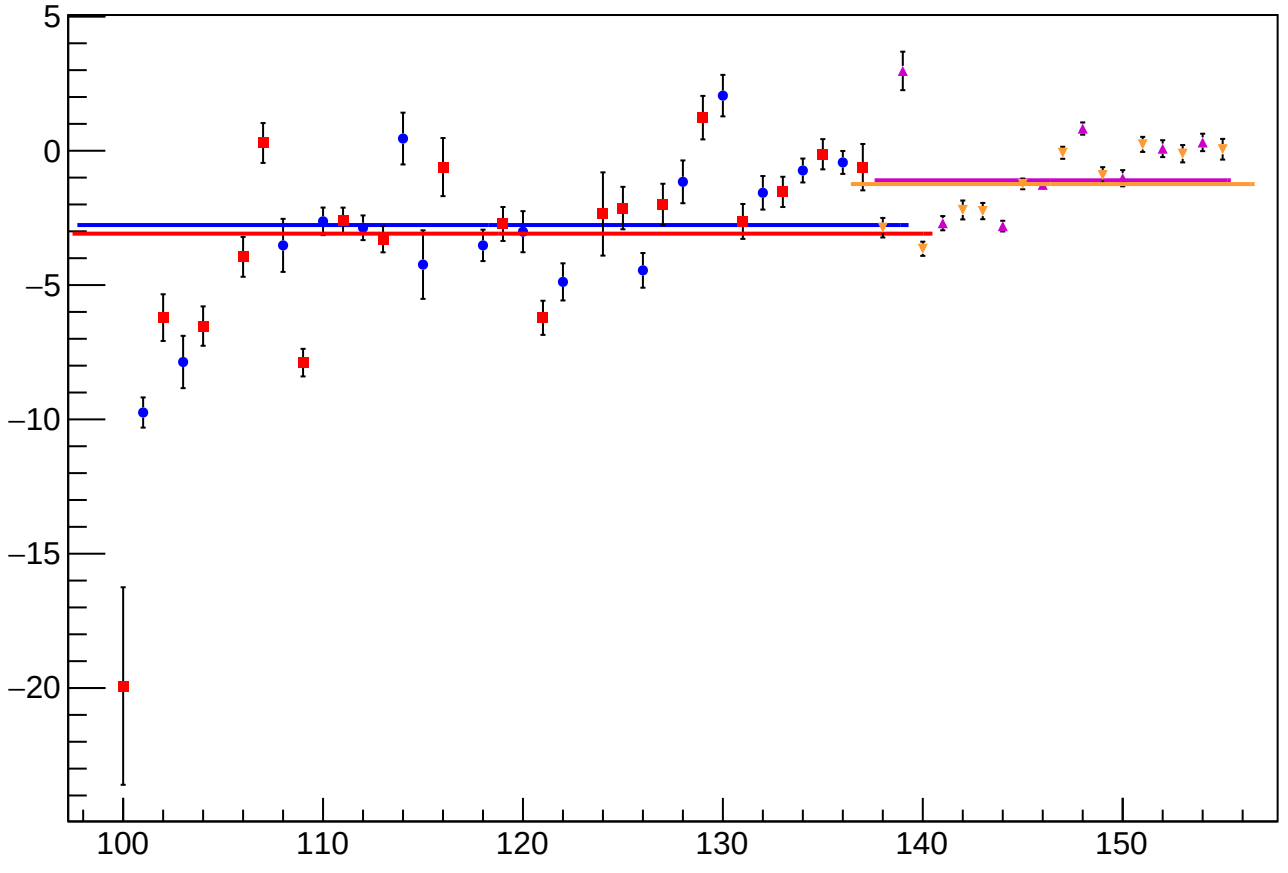
Left In: 2.389+/-0.133 χ^2/NDF:275.5/7

+ sign 1.533+/-0.093 χ^2/NDF: 1287.9/25

All: 0.847+/-0.065 χ^2/NDF: 3543.4/52

- sign 0.170+/-0.092 χ^2/NDF: 2147.1/26

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.241+/-0.089 χ^2/NDF:200.6/9

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

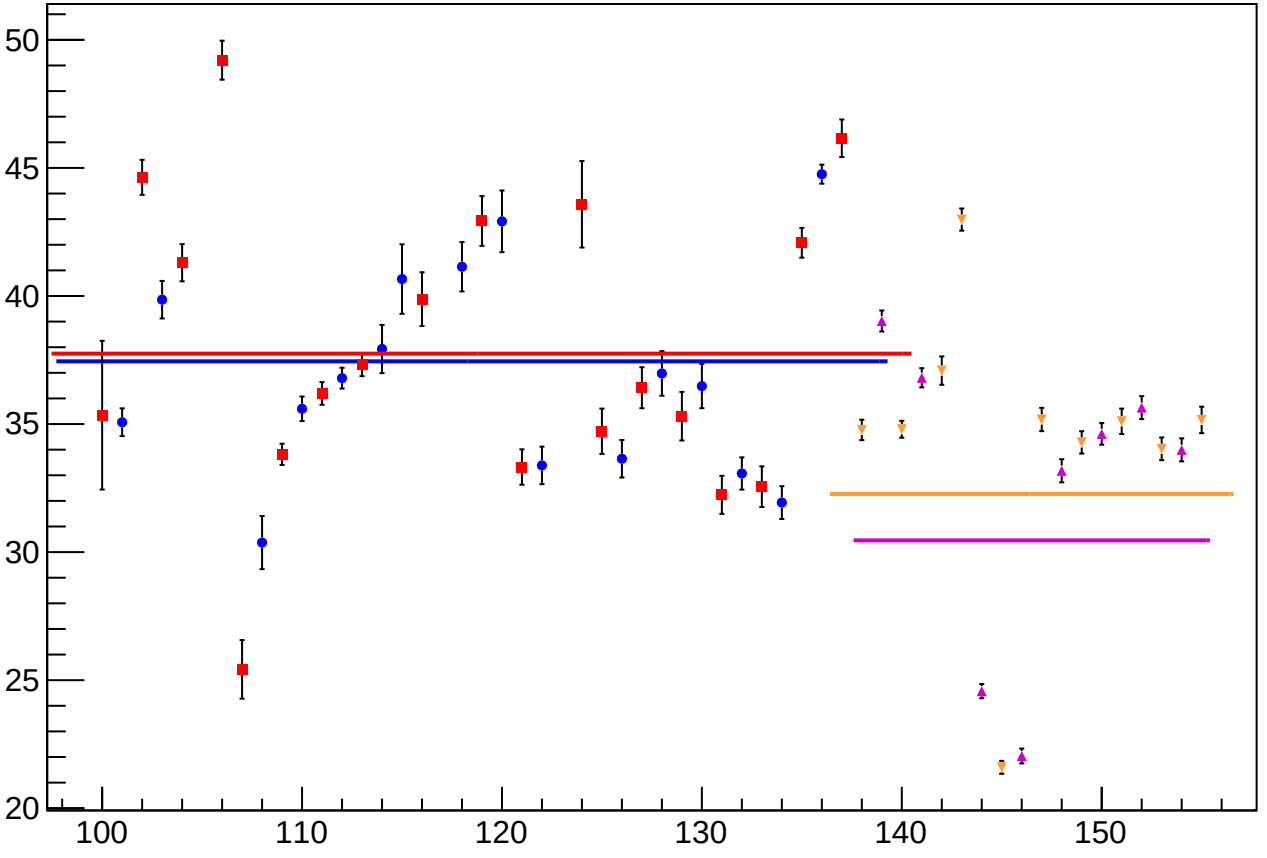
Left In: -1.101+/-0.090 χ^2/NDF:247.0/7

+ sign -1.615+/-0.077 χ^2/NDF: 582.6/25

All: -1.603+/-0.055 χ^2/NDF: 1221.6/52

- sign -1.591+/-0.078 χ^2/NDF: 639.0/26

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: 32.272+/-0.126 χ^2/NDF:2714.7/9

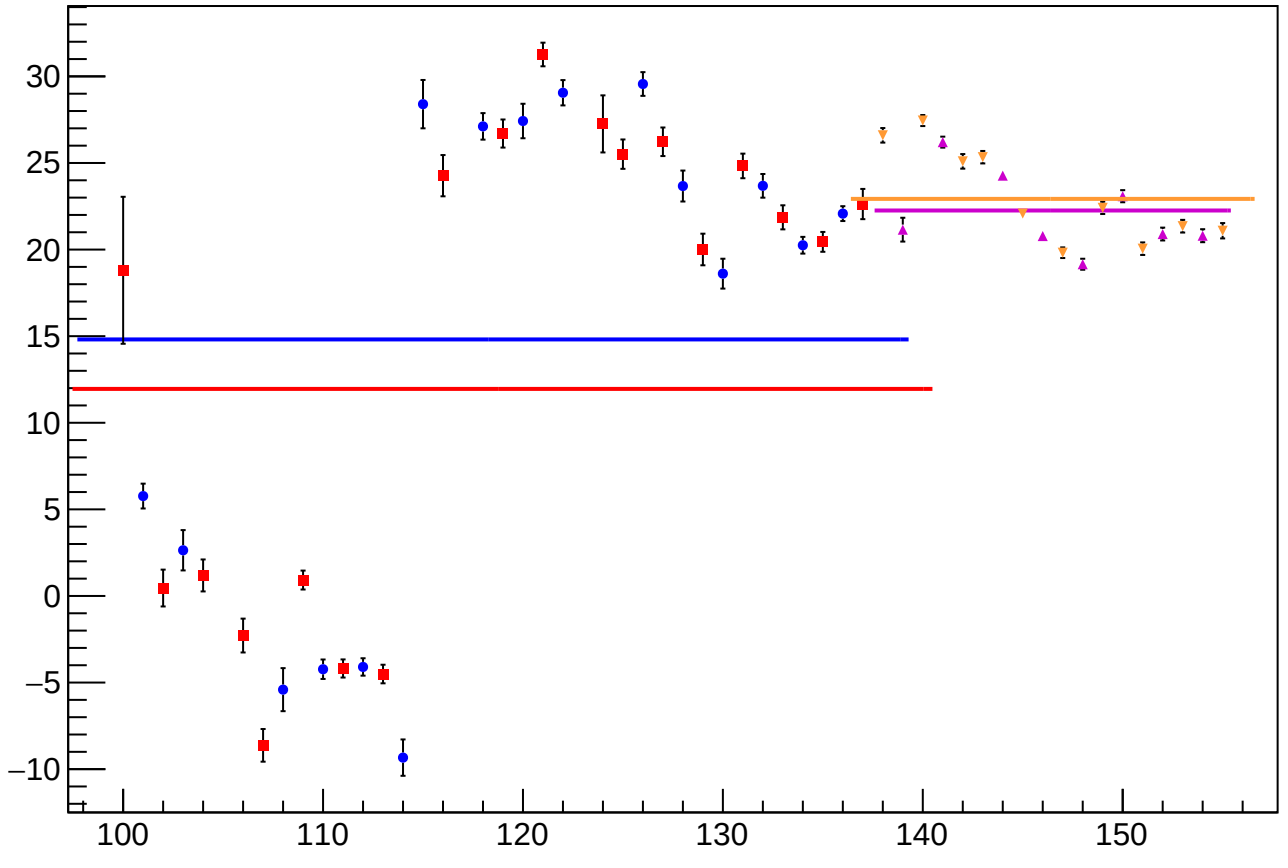
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 30.458+/-0.131 χ^2/NDF:2344.2/7

+ sign 34.248+/-0.099 χ^2/NDF: 4063.2/25

All: 33.828+/-0.071 χ^2/NDF: 8657.0/52

- sign 33.393+/-0.101 χ^2/NDF: 4557.4/26



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 22.927+/-0.107 χ^2/NDF:565.3/9

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

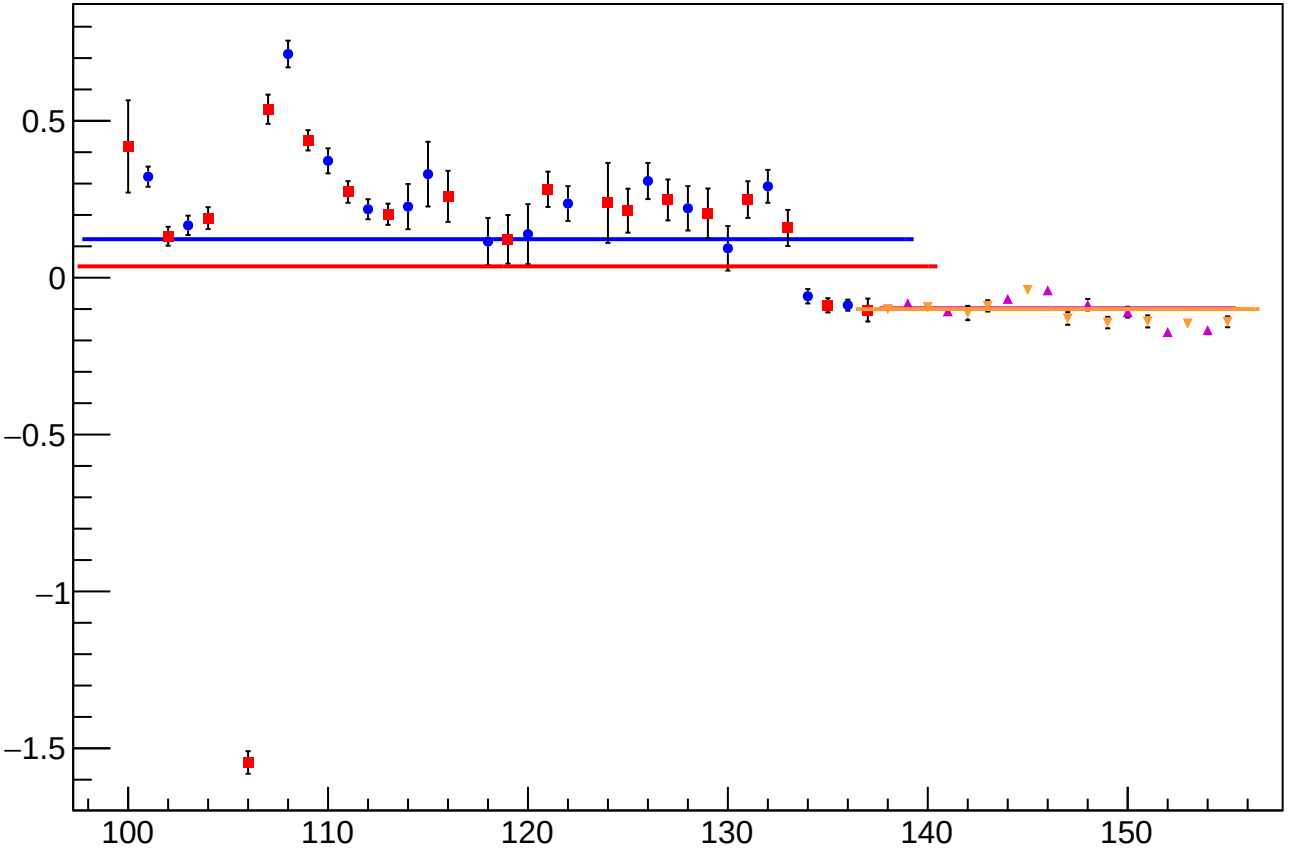
Left In: 22.257+/-0.110 χ^2/NDF:406.2/7

+ sign 20.683+/-0.091 χ^2/NDF: 7827.7/25

All: 20.051+/-0.065 χ^2/NDF: 16887.9/52

- sign 19.395+/-0.093 χ^2/NDF: 8962.9/26

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.100+/-0.005 χ^2/NDF:64.3/9

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

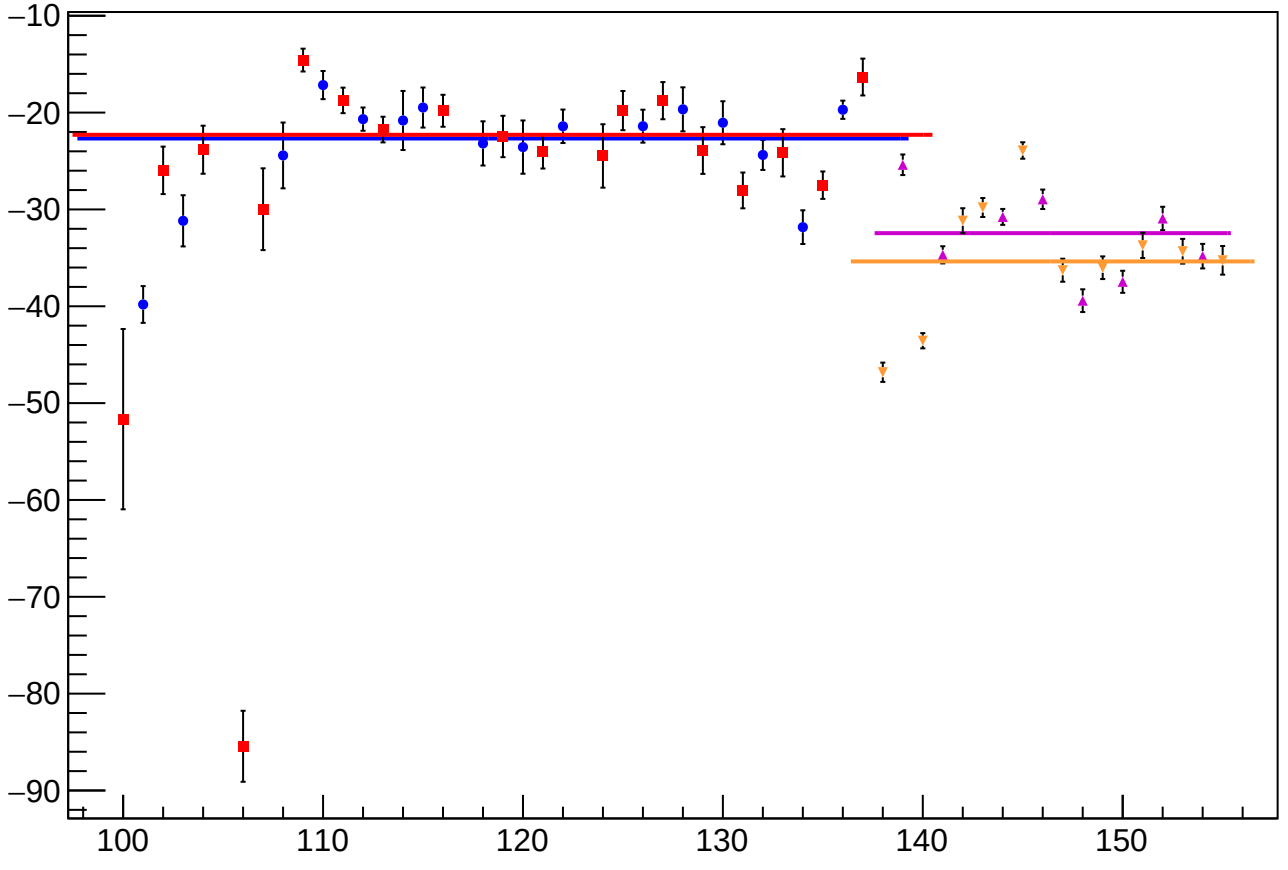
Left In: -0.098+/-0.005 χ^2/NDF:72.5/7

+ sign -0.050+/-0.004 χ^2/NDF: 1019.4/25

All: -0.059+/-0.003 χ^2/NDF: 3659.4/52

- sign -0.068+/-0.005 χ^2/NDF: 2632.5/26

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: -35.368+/-0.338 χ^2/NDF:468.5/9

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

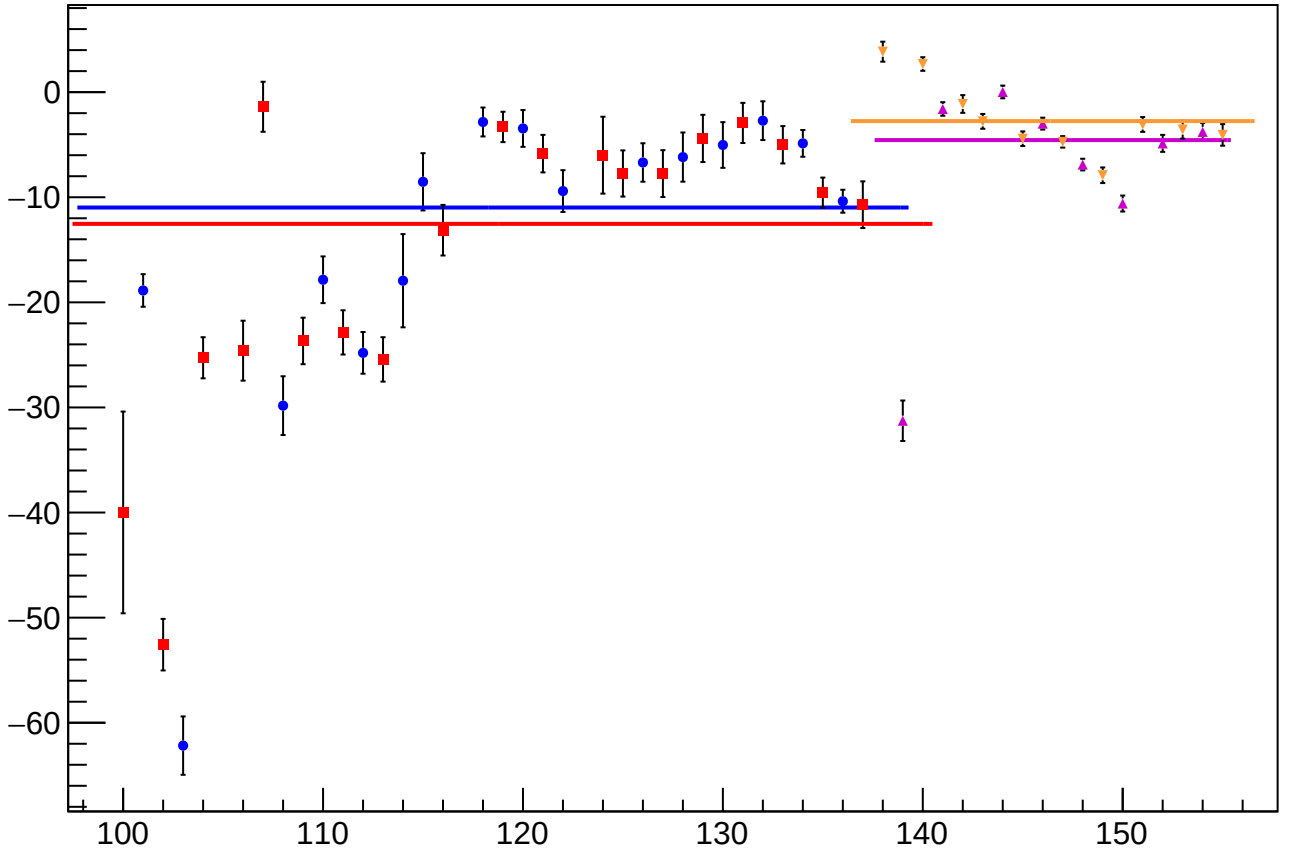
Left In: -32.449+/-0.367 χ^2/NDF:126.6/7

+ sign -30.581+/-0.267 χ^2/NDF: 1154.4/25

All: -29.465+/-0.193 χ^2/NDF: 2041.7/52

- sign -28.233+/-0.280 χ^2/NDF: 850.4/26

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: -2.752+/-0.233 χ^2/NDF:191.7/9

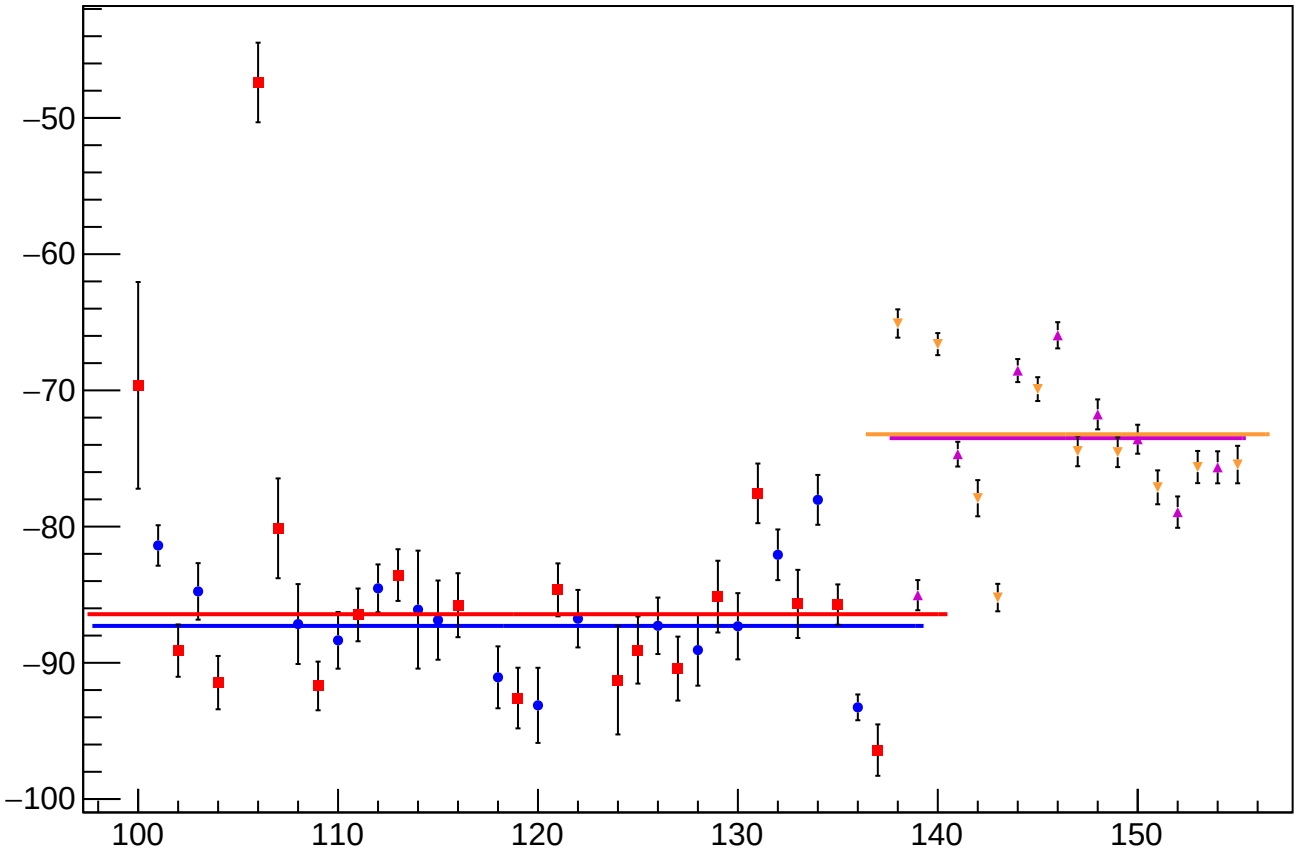
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.563+/-0.247 χ^2/NDF:360.3/7

+ sign -4.470+/-0.207 χ^2/NDF: 1039.5/25

All: -5.295+/-0.151 χ^2/NDF: 2223.1/52

- sign -6.222+/-0.220 χ^2/NDF: 1149.9/26



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.221+/-0.336 χ^2/NDF:315.7/9

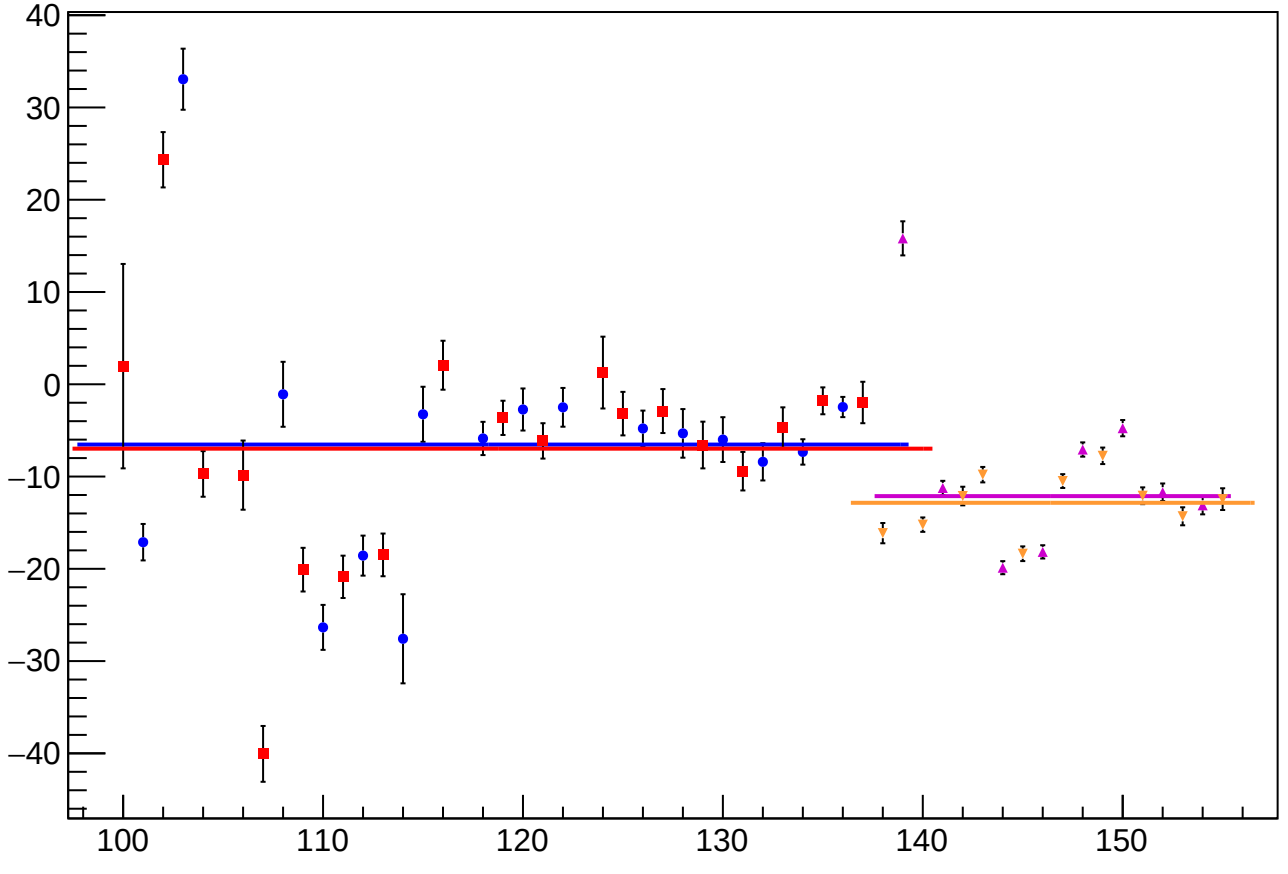
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.505+/-0.361 χ^2/NDF:234.2/7

+ sign -77.843+/-0.275 χ^2/NDF: 992.5/25

All: -77.850+/-0.201 χ^2/NDF: 1924.4/52

- sign -77.858+/-0.294 χ^2/NDF: 932.0/26



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.846+/-0.283 χ^2/NDF:125.2/9

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

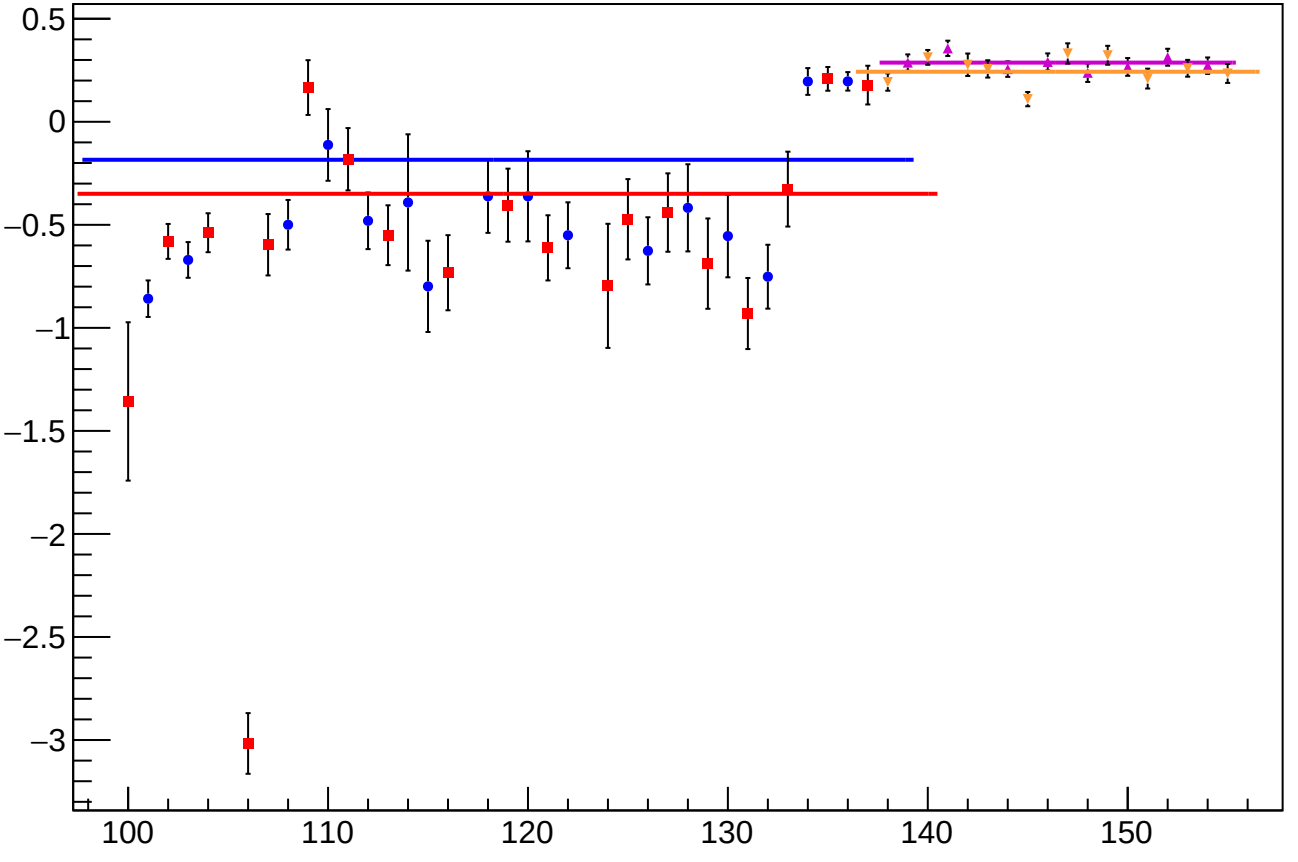
Left In: -12.121+/-0.302 χ^2/NDF:533.8/7

+ sign -11.348+/-0.247 χ^2/NDF: 556.9/25

All: -11.140+/-0.180 χ^2/NDF: 1529.3/52

- sign -10.905+/-0.263 χ^2/NDF: 971.0/26

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: 0.243+/-0.014 χ^2/NDF:27.3/9

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

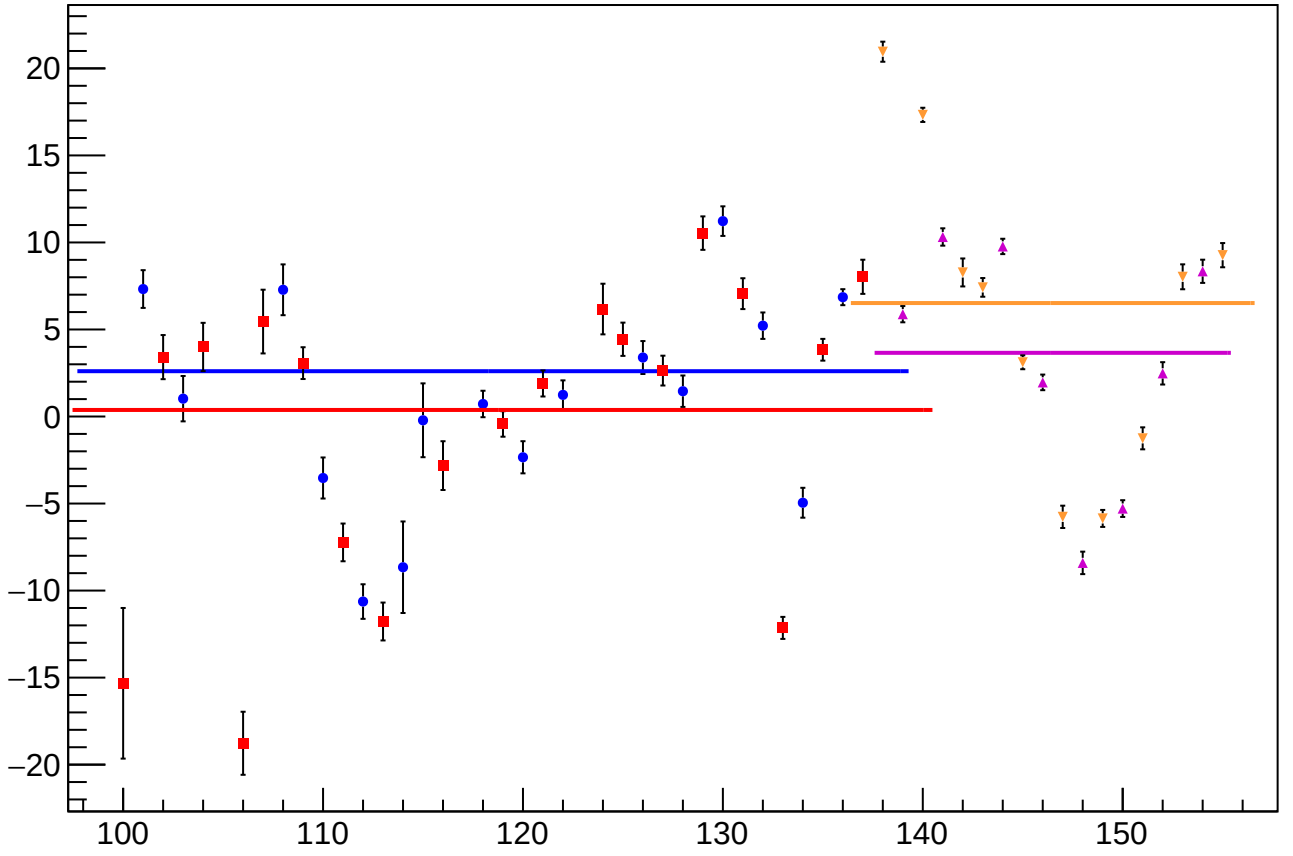
Left In: 0.287+/-0.014 χ^2/NDF:6.1/7

+ sign 0.156+/-0.012 χ^2/NDF: 477.5/25

All: 0.160+/-0.009 χ^2/NDF: 1381.3/52

- sign 0.165+/-0.013 χ^2/NDF: 903.5/26

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: 6.519+/-0.173 χ^2/NDF:2589.6/9

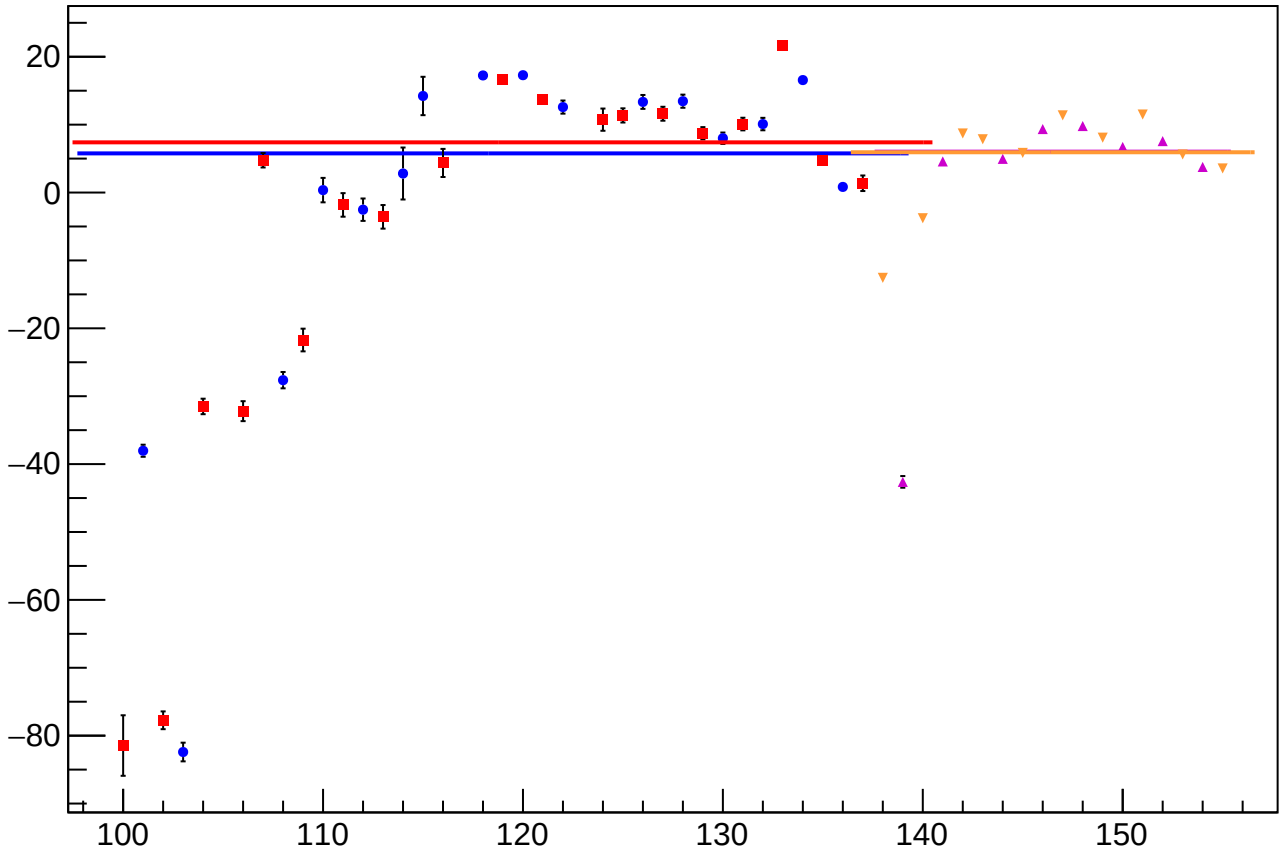
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.659+/-0.182 χ^2/NDF:1156.2/7

+ sign 5.059+/-0.137 χ^2/NDF: 3354.2/25

All: 3.739+/-0.098 χ^2/NDF: 5863.3/52

- sign 2.340+/-0.141 χ^2/NDF: 2317.6/26



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.933+/-0.121 χ^2/NDF:2517.9/9

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

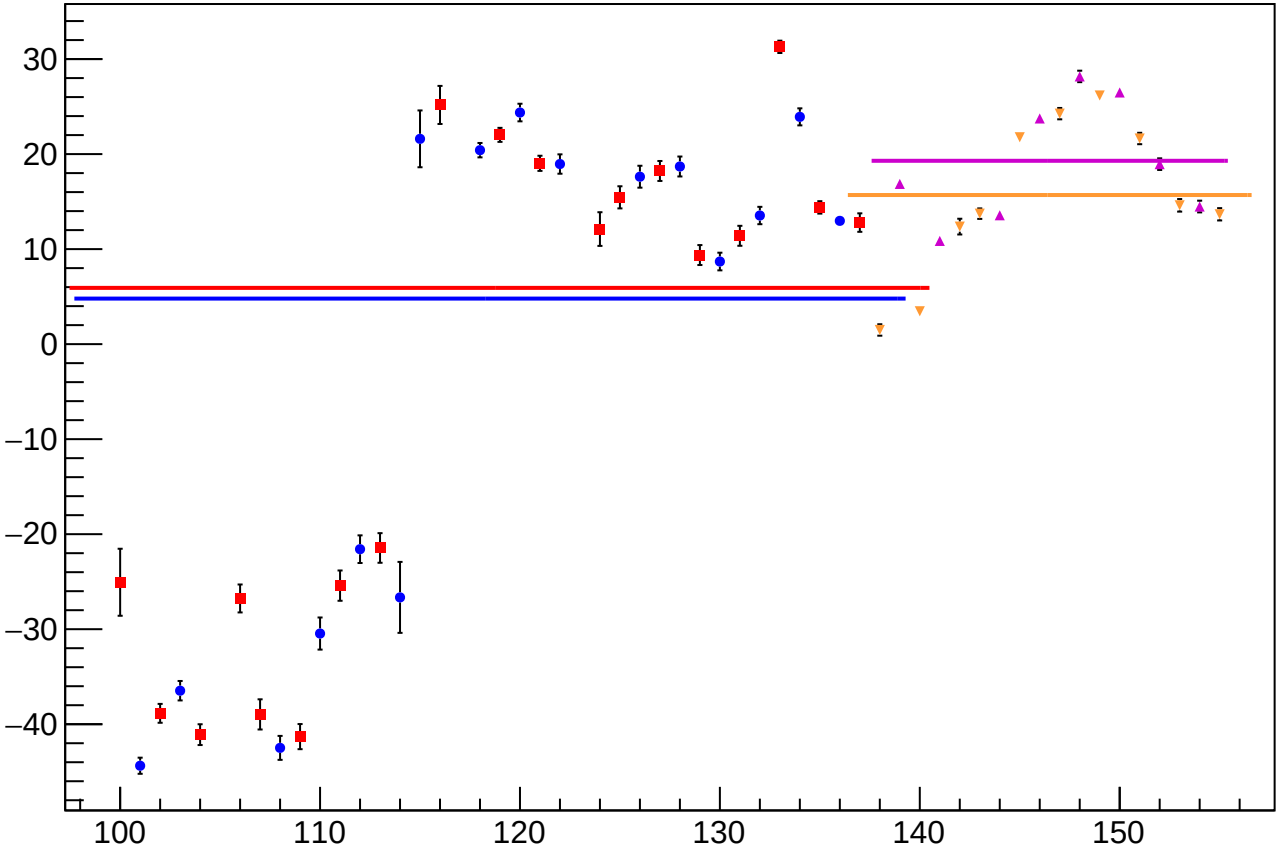
Left In: 6.022+/-0.127 χ^2/NDF:3572.0/7

+ sign 5.892+/-0.105 χ^2/NDF: 11452.2/25

All: 6.133+/-0.075 χ^2/NDF: 23457.3/52

- sign 6.395+/-0.109 χ^2/NDF: 11994.0/26

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: 15.693+/-0.171 χ^2/NDF:2498.3/9

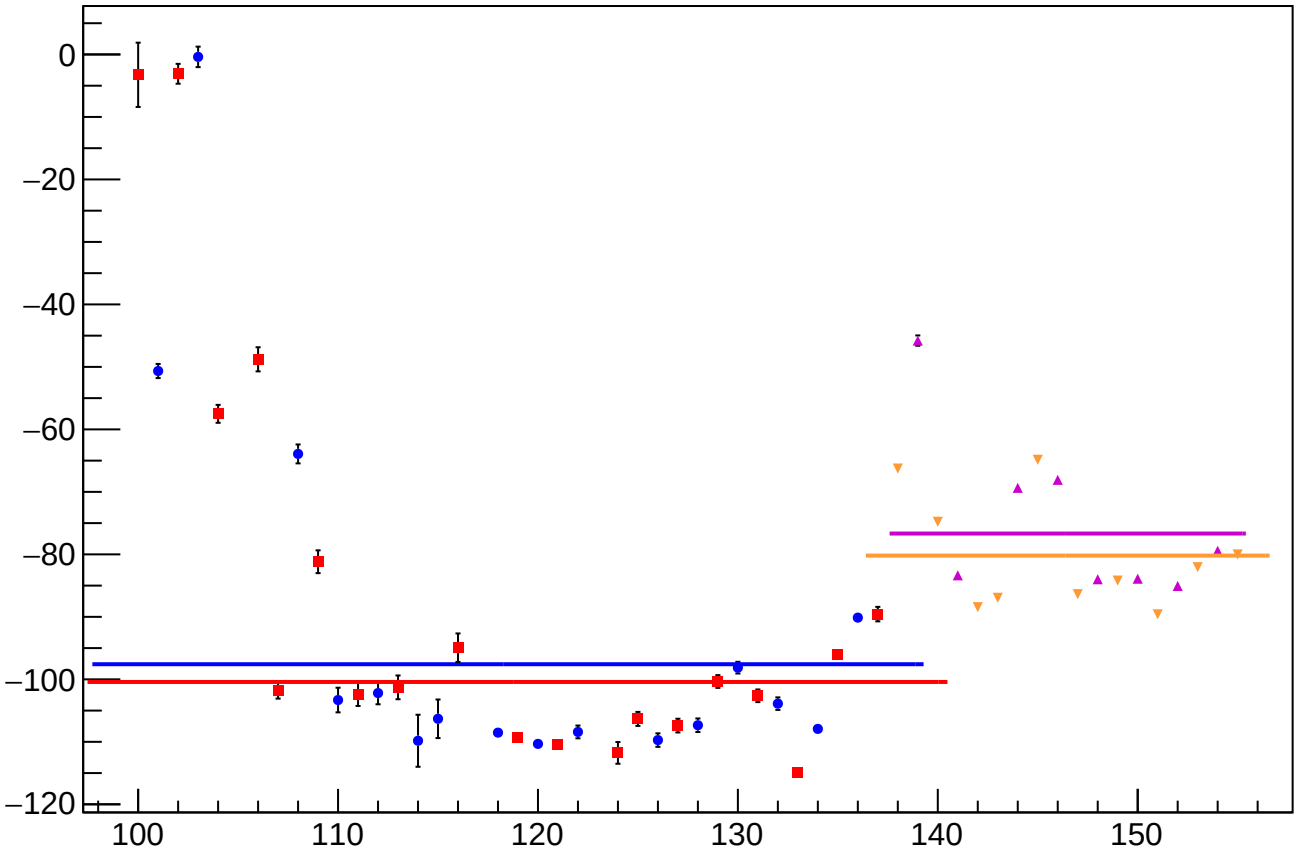
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 19.295+/-0.179 χ^2/NDF:1095.7/7

+ sign 11.968+/-0.139 χ^2/NDF: 13382.5/25

All: 13.201+/-0.100 χ^2/NDF: 26698.4/52

- sign 14.517+/-0.143 χ^2/NDF: 13152.9/26



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.195+/-0.146 χ^2/NDF:3443.6/9

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

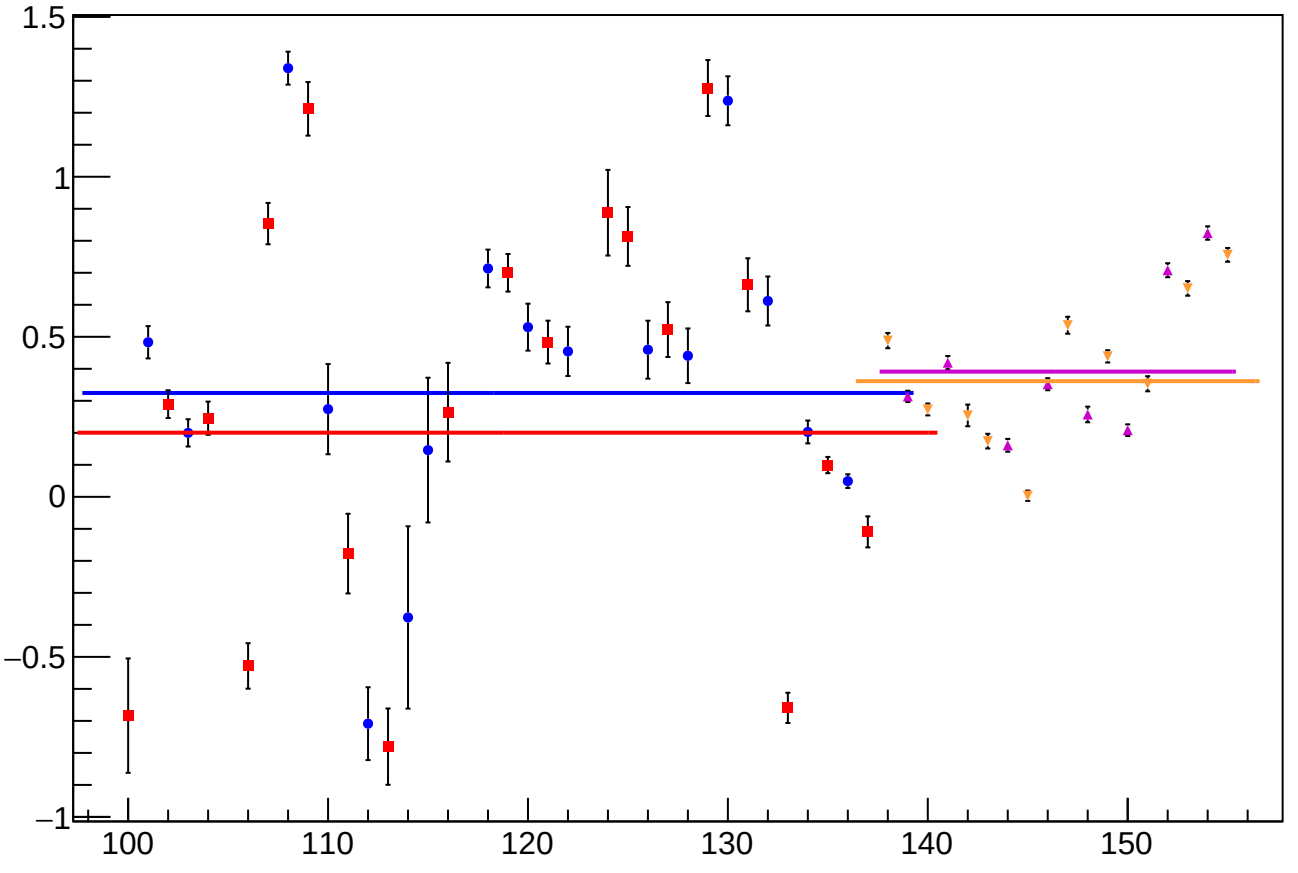
Left In: -76.668+/-0.153 χ^2/NDF:3609.7/7

+ sign -84.829+/-0.125 χ^2/NDF: 14383.4/25

All: -84.199+/-0.090 χ^2/NDF: 32072.9/52

- sign -83.520+/-0.129 χ^2/NDF: 17636.5/26

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: 0.361+/-0.007 χ^2/NDF:1173.7/9

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

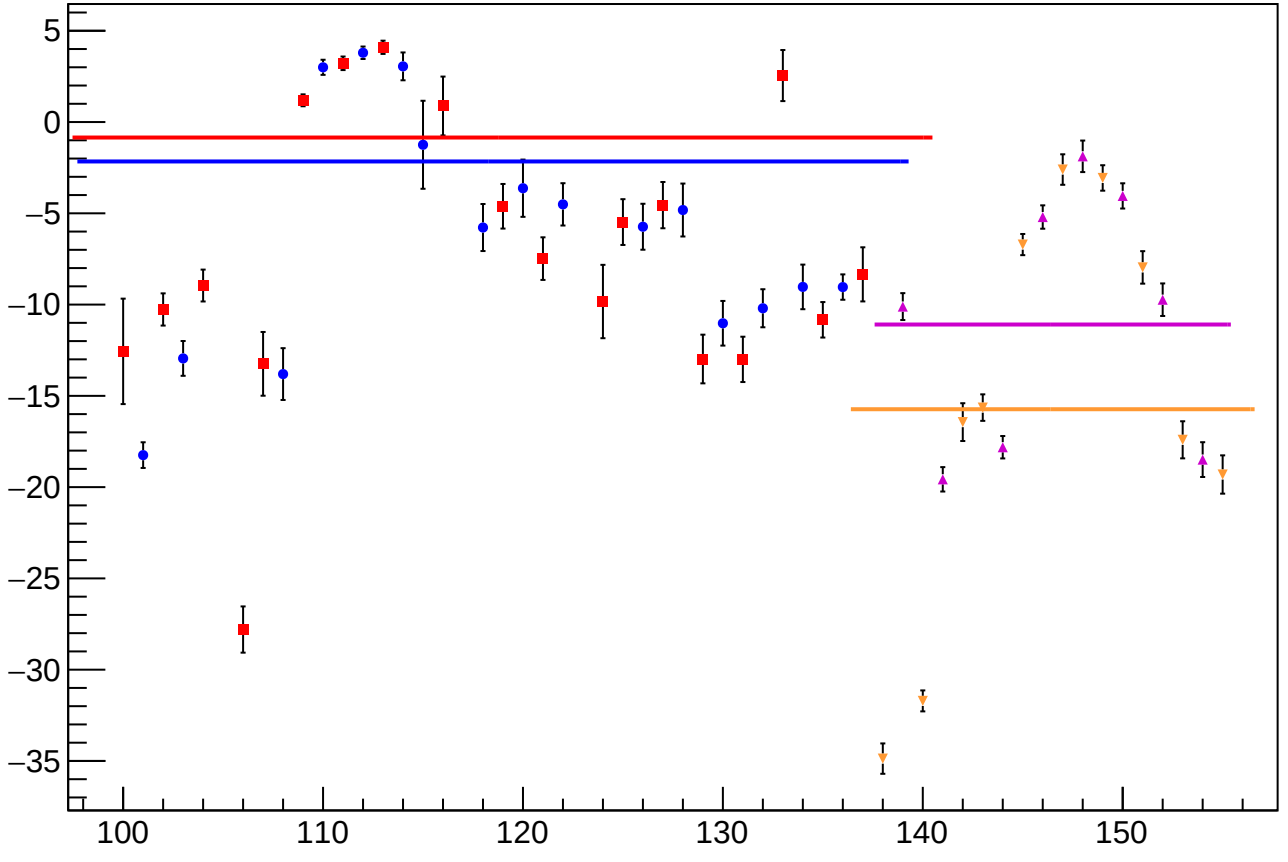
Left In: 0.391+/-0.007 χ^2/NDF:925.2/7

+ sign 0.354+/-0.006 χ^2/NDF: 2066.3/25

All: 0.353+/-0.004 χ^2/NDF: 4348.3/52

- sign 0.352+/-0.006 χ^2/NDF: 2282.0/26

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.732+/-0.243 χ^2/NDF:2213.6/9

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

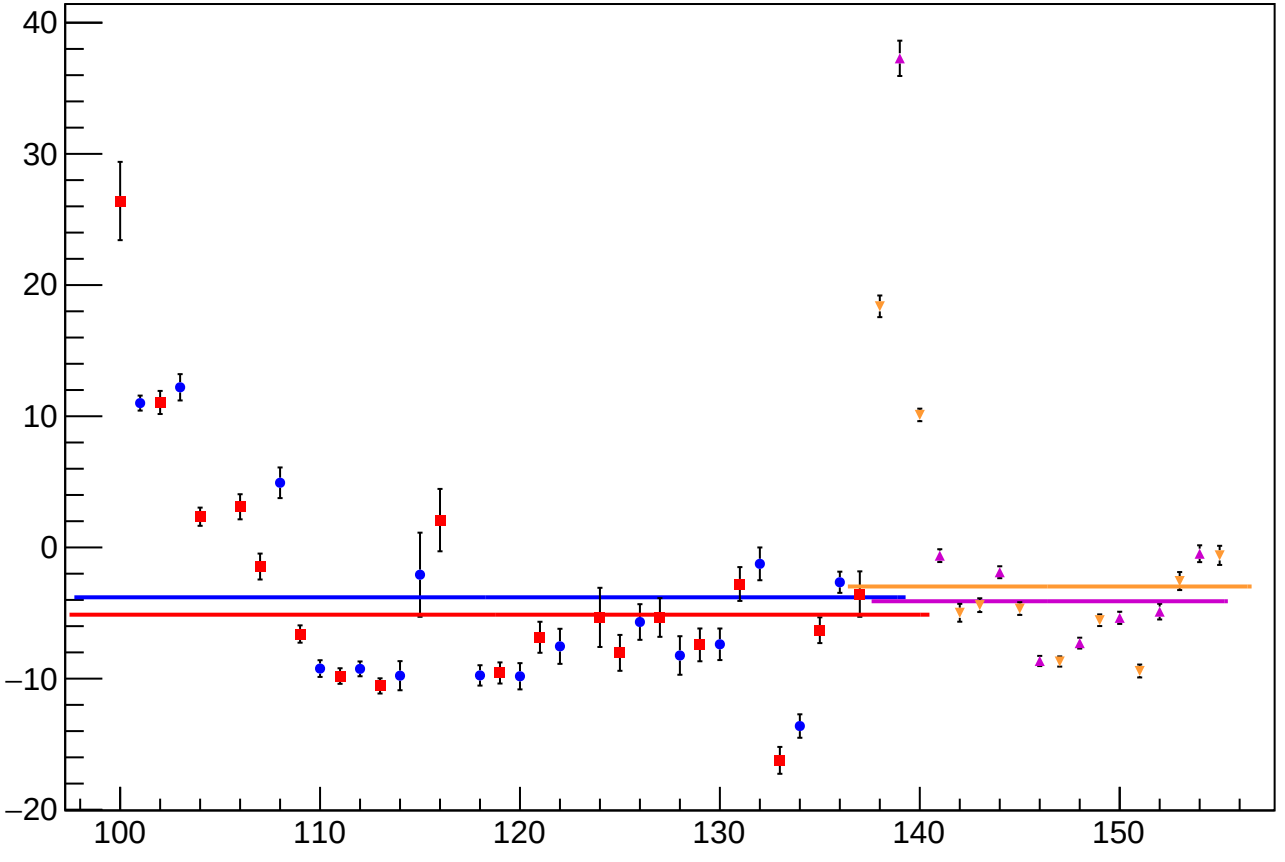
Left In: -11.092+/-0.258 χ^2/NDF:647.9/7

+ sign -7.370+/-0.151 χ^2/NDF: 5623.7/25

All: -5.563+/-0.103 χ^2/NDF: 9104.2/52

- sign -3.953+/-0.142 χ^2/NDF: 3208.5/26

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.977+/-0.167 χ^2/NDF:1879.1/9

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

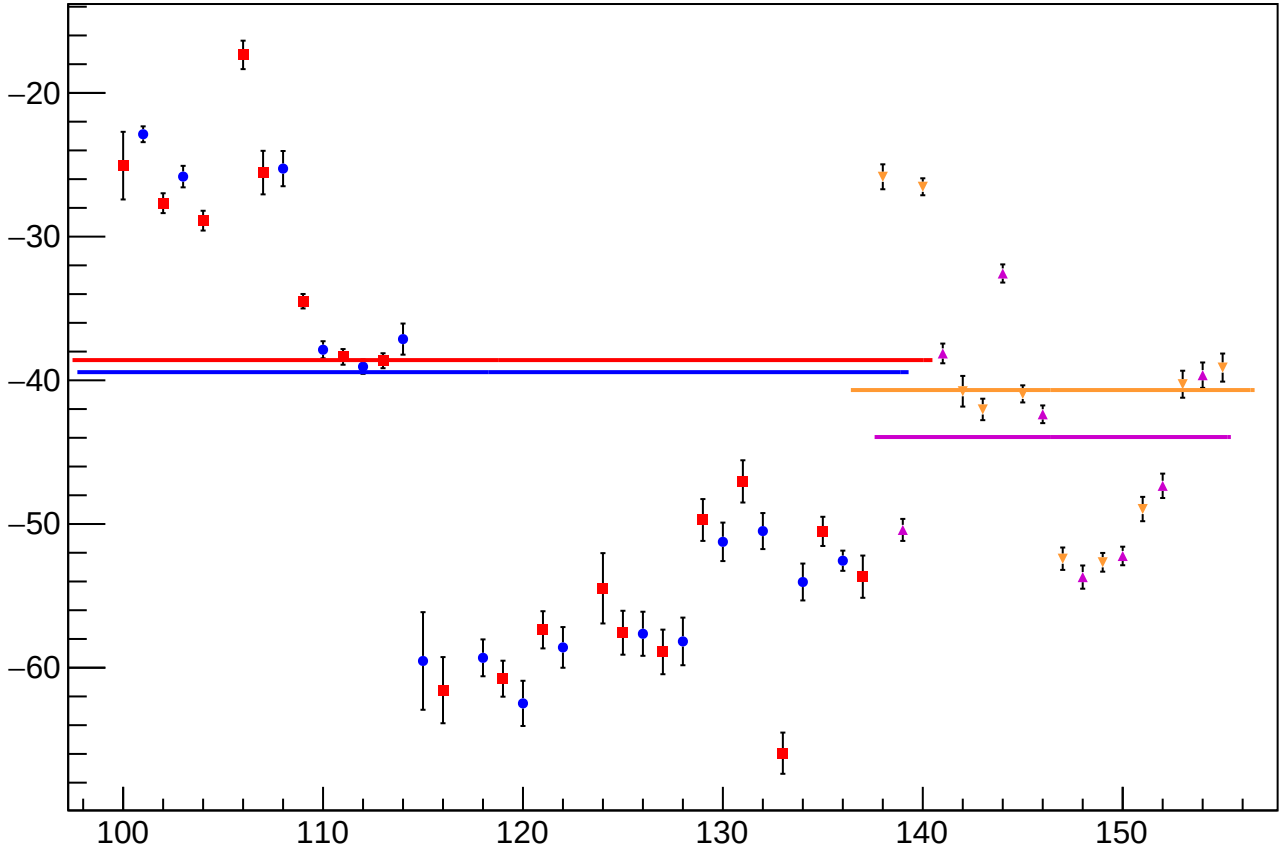
Left In: -4.102+/-0.177 χ^2/NDF:1258.0/7

+ sign -3.269+/-0.134 χ^2/NDF: 3313.2/25

All: -3.874+/-0.096 χ^2/NDF: 5606.4/52

- sign -4.507+/-0.138 χ^2/NDF: 2251.8/26

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.677+/-0.241 χ^2/NDF:1533.2/9

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

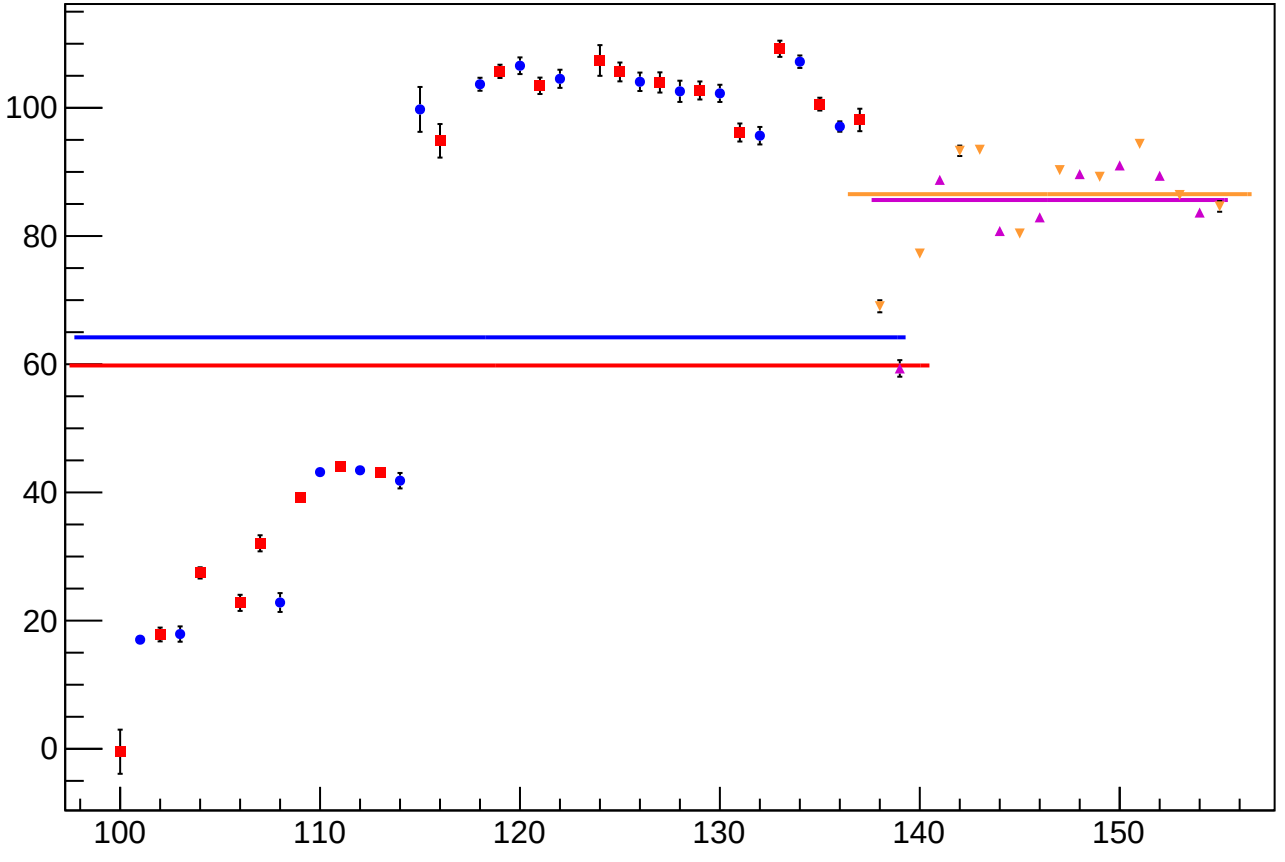
Left In: -43.946+/-0.253 χ^2/NDF:823.3/7

+ sign -40.014+/-0.165 χ^2/NDF: 4505.5/25

All: -40.412+/-0.116 χ^2/NDF: 8374.6/52

- sign -40.803+/-0.163 χ^2/NDF: 3857.5/26

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.531+/-0.203 χ^2/NDF:1159.1/9

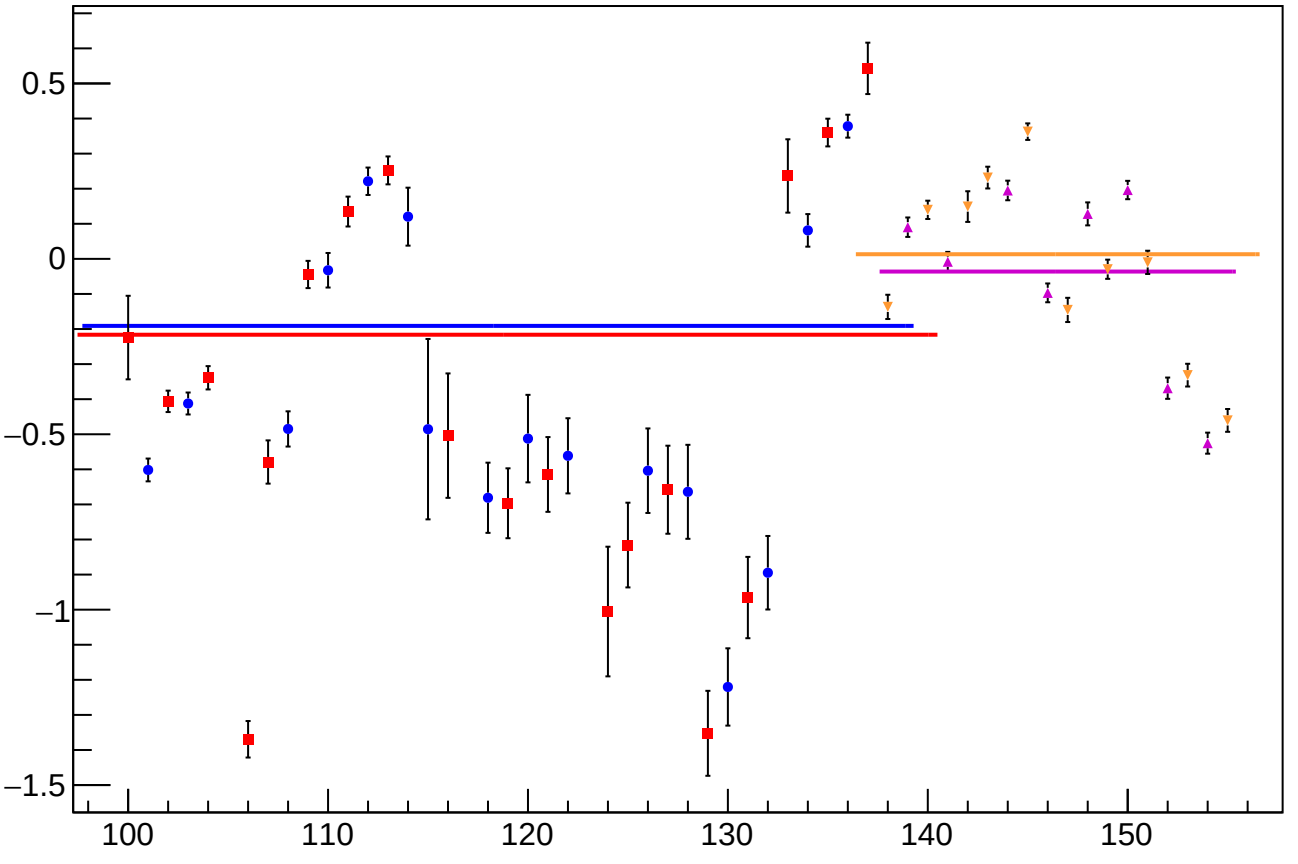
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.618+/-0.214 χ^2/NDF:744.1/7

+ sign 77.960+/-0.160 χ^2/NDF: 24391.8/25

All: 76.322+/-0.114 χ^2/NDF: 48965.3/52

- sign 74.627+/-0.162 χ^2/NDF: 24359.0/26



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.013+/-0.010 χ^2/NDF:671.1/9

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

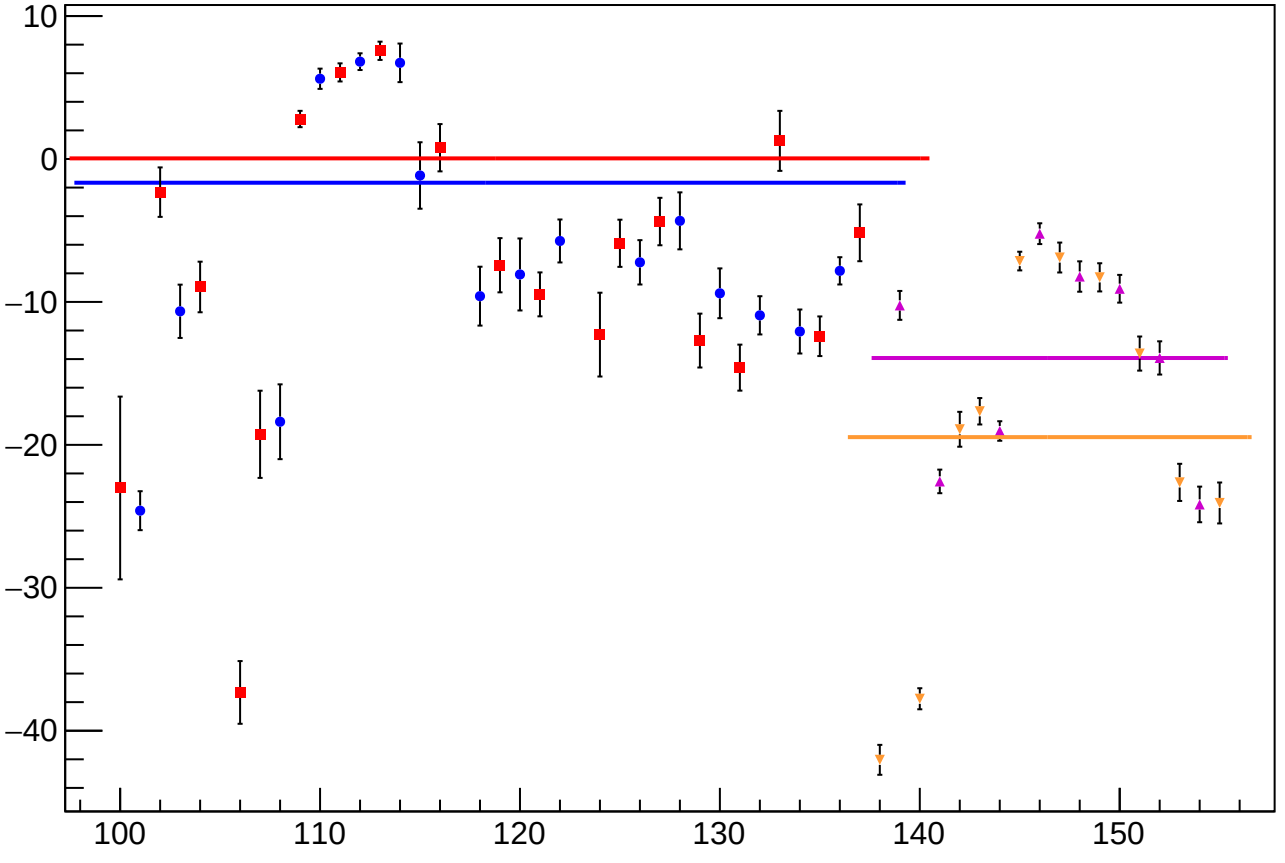
Left In: -0.036+/-0.010 χ^2/NDF:585.7/7

+ sign -0.057+/-0.008 χ^2/NDF: 1741.5/25

All: -0.080+/-0.006 χ^2/NDF: 3833.8/52

- sign -0.104+/-0.008 χ^2/NDF: 2074.3/26

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -19.459+/-0.306 χ^2/NDF:1755.2/9

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

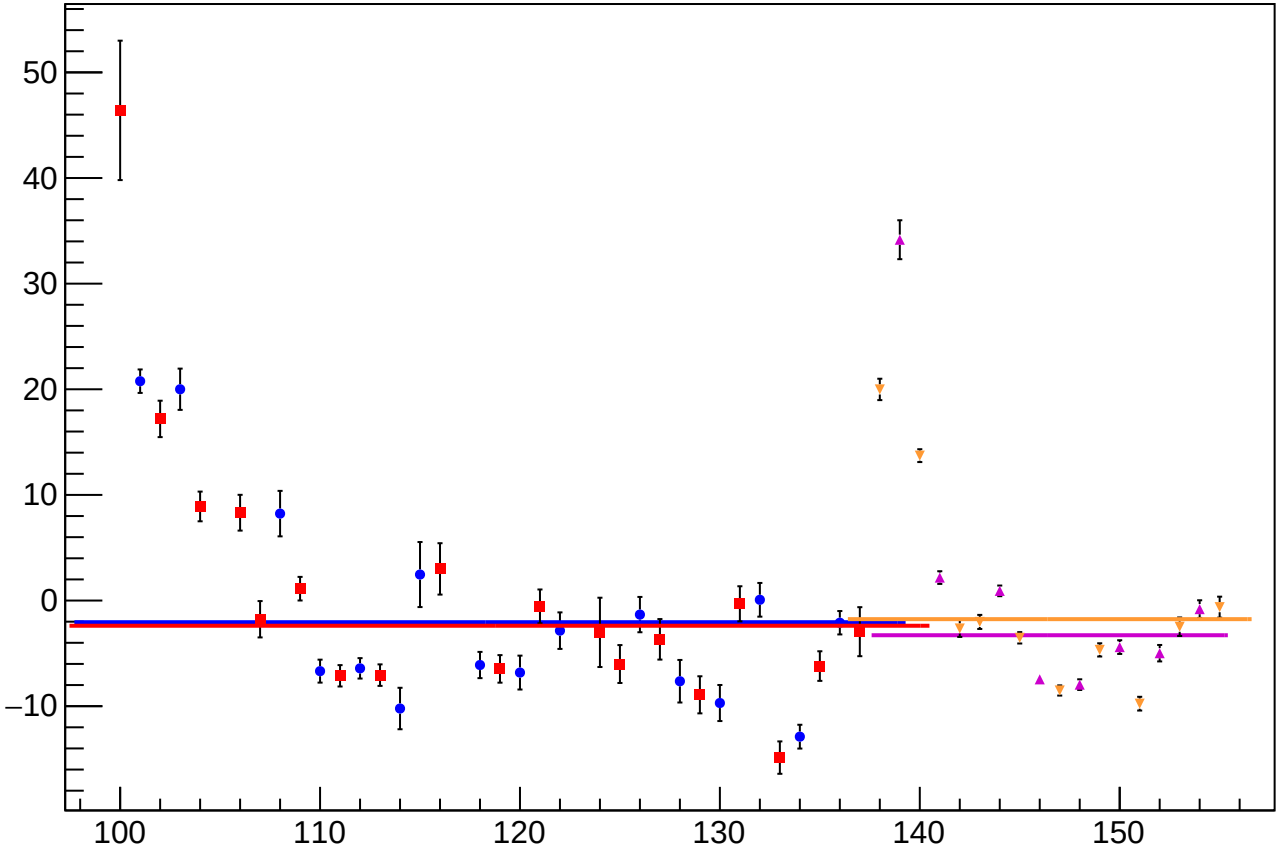
Left In: -13.924+/-0.319 χ^2/NDF:443.0/7

+ sign -10.615+/-0.217 χ^2/NDF: 4334.6/25

All: -8.284+/-0.151 χ^2/NDF: 7008.4/52

- sign -6.078+/-0.211 χ^2/NDF: 2449.6/26

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.761+/-0.211 χ^2/NDF:1492.9/9

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

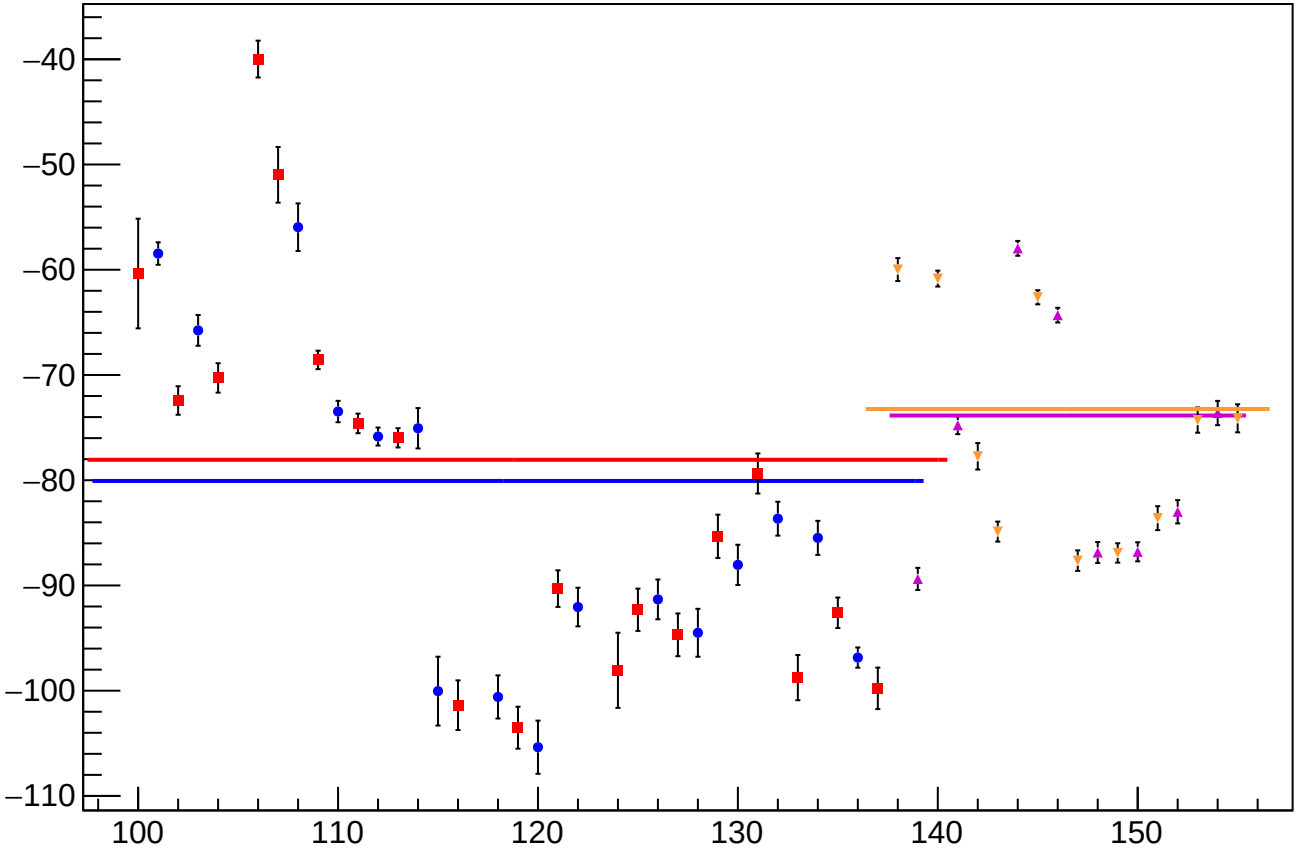
Left In: -3.284+/-0.214 χ^2/NDF:761.2/7

+ sign -1.836+/-0.182 χ^2/NDF: 2265.3/25

All: -2.434+/-0.129 χ^2/NDF: 3504.1/52

- sign -3.044+/-0.184 χ^2/NDF: 1216.9/26

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.232+/-0.304 χ^2/NDF:1350.4/9

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

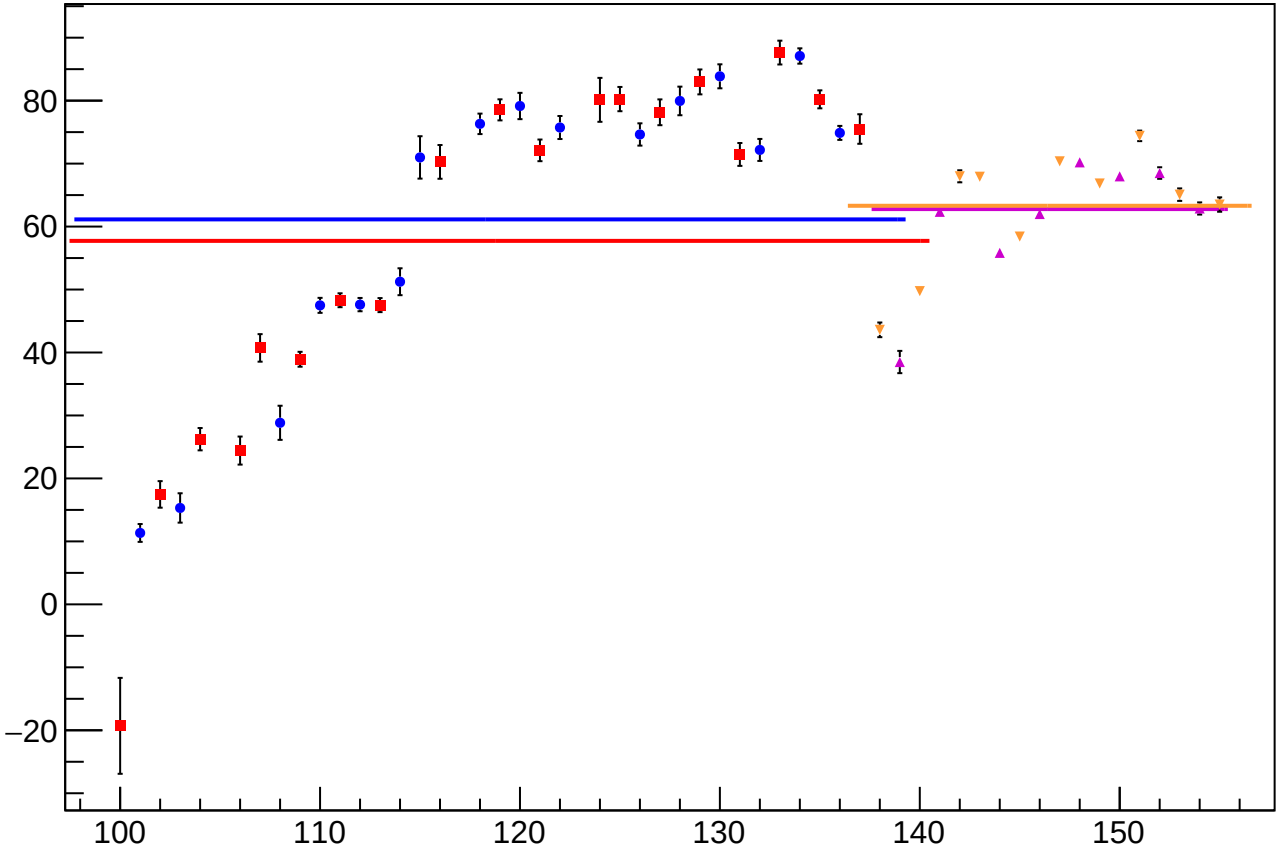
Left In: -73.852+/-0.314 χ^2/NDF:1357.7/7

+ sign -76.042+/-0.234 χ^2/NDF: 2945.0/25

All: -75.875+/-0.166 χ^2/NDF: 5944.1/52

- sign -75.706+/-0.235 χ^2/NDF: 2998.1/26

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.303+/-0.257 χ^2/NDF:1066.3/9

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

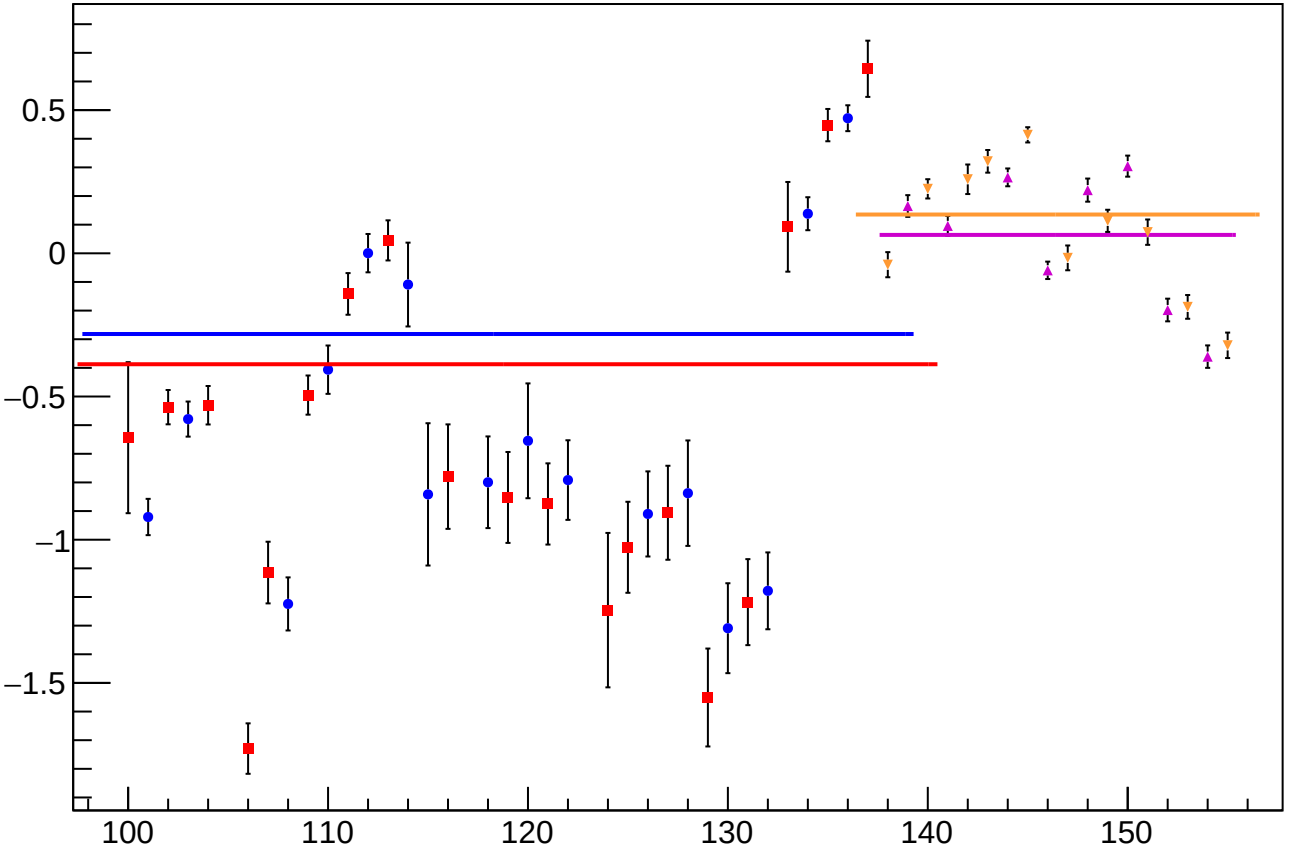
Left In: 62.778+/-0.261 χ^2/NDF:528.7/7

+ sign 62.673+/-0.216 χ^2/NDF: 4316.3/25

All: 61.979+/-0.154 χ^2/NDF: 7753.2/52

- sign 61.267+/-0.219 χ^2/NDF: 3416.0/26

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.135+/-0.012 χ^2/NDF:340.7/9

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

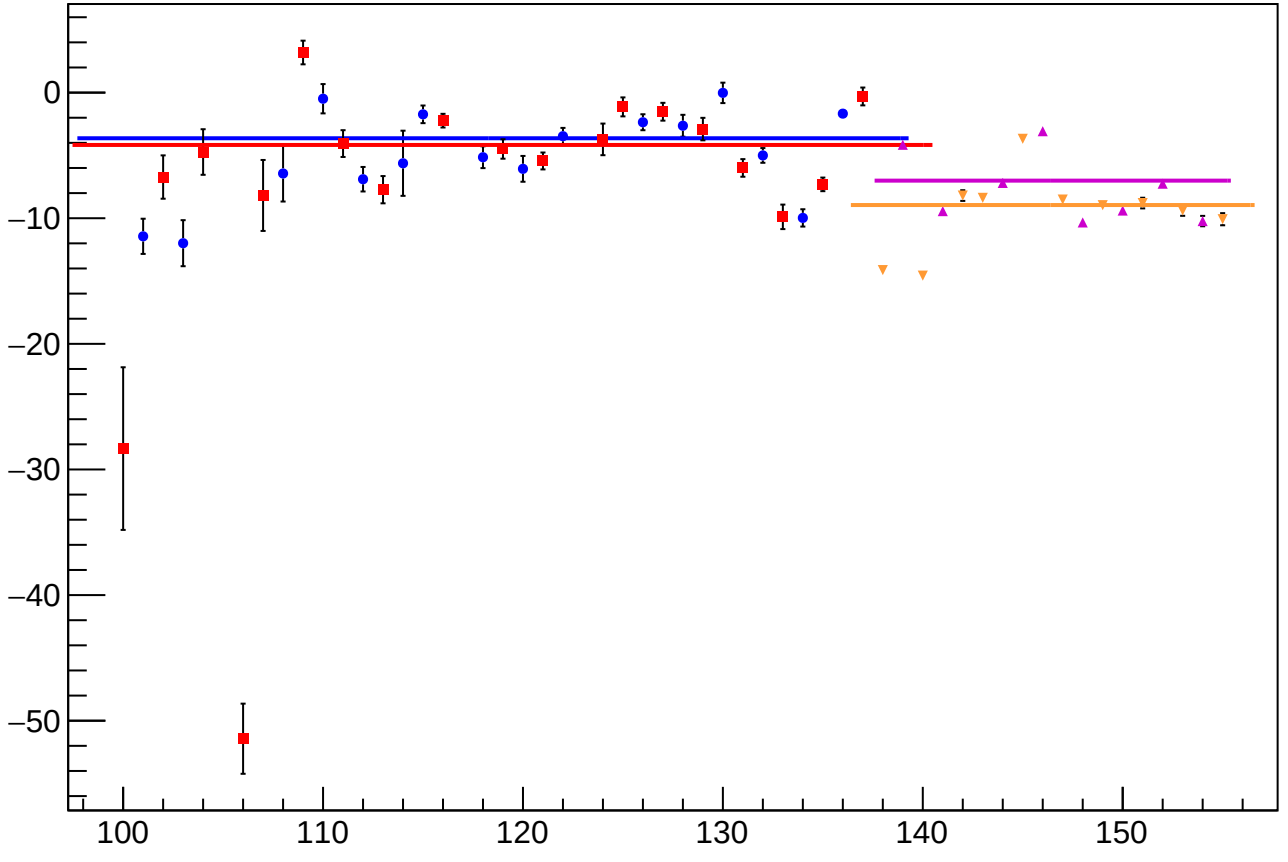
Left In: 0.064+/-0.013 χ^2/NDF:285.1/7

+ sign 0.034+/-0.011 χ^2/NDF: 1350.2/25

All: -0.006+/-0.008 χ^2/NDF: 2801.9/52

- sign -0.048+/-0.011 χ^2/NDF: 1423.0/26

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.950+/-0.106 χ^2/NDF:1274.1/9

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

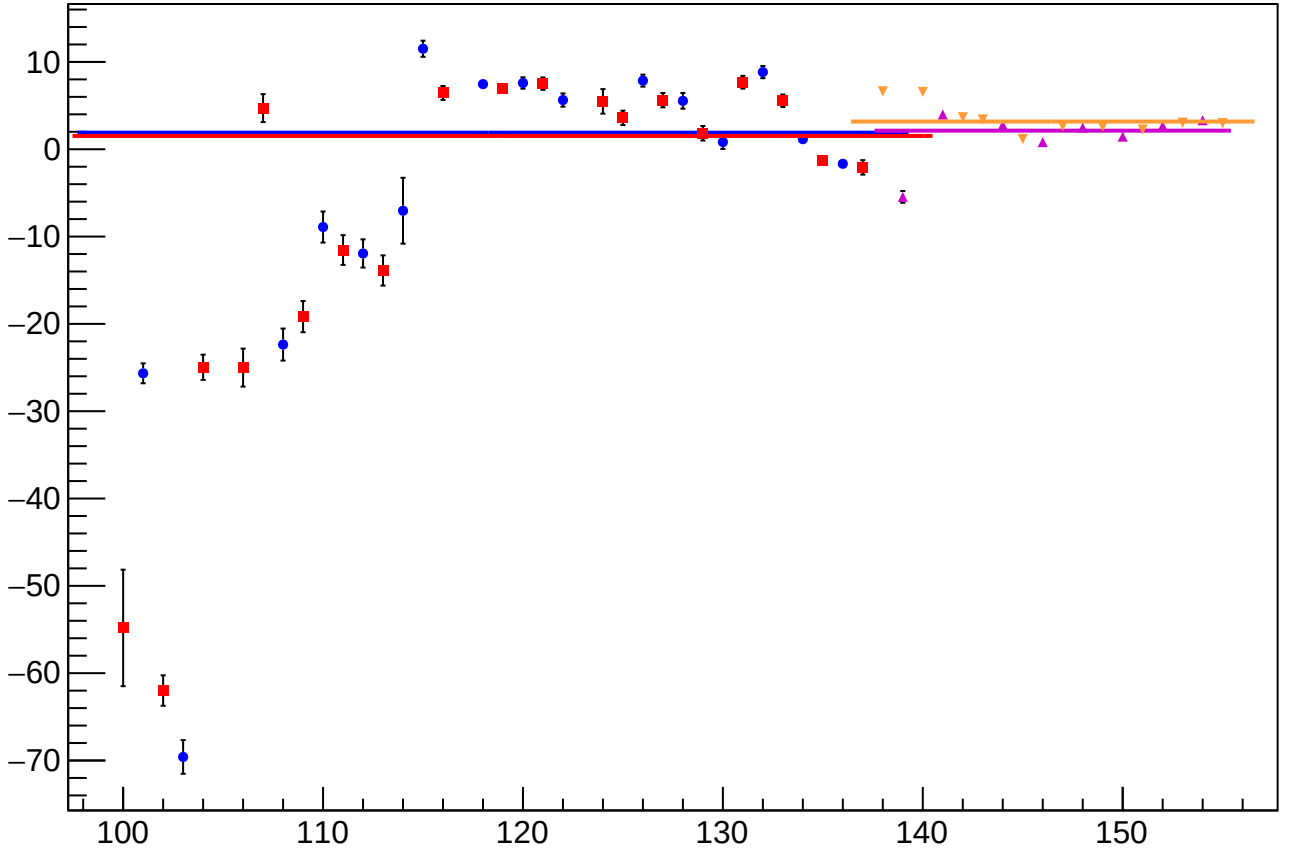
Left In: -7.007+/-0.109 χ^2/NDF:610.8/7

+ sign -7.683+/-0.092 χ^2/NDF: 2111.2/25

All: -7.042+/-0.066 χ^2/NDF: 3507.7/52

- sign -6.357+/-0.095 χ^2/NDF: 1296.8/26

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.174+/-0.073 χ^2/NDF:507.2/9

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

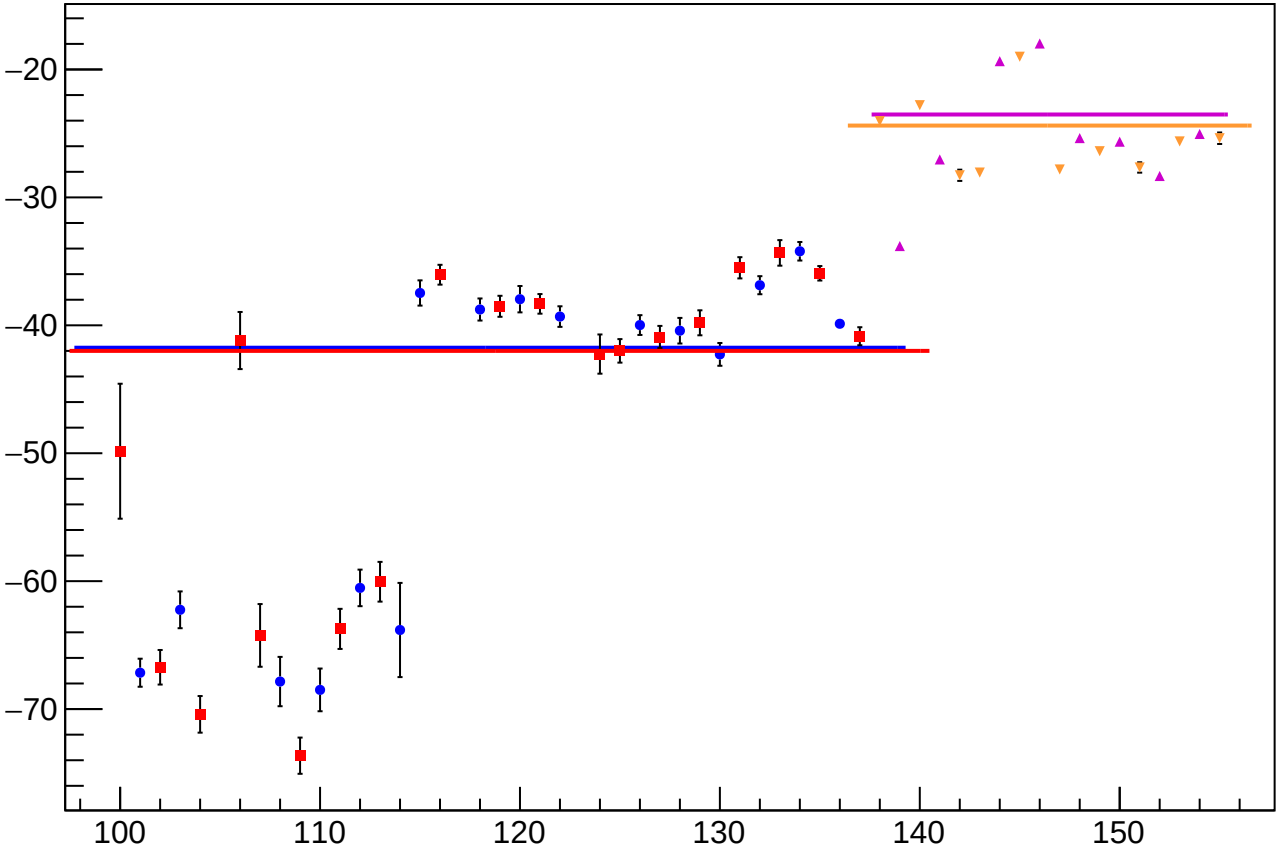
Left In: 2.129+/-0.073 χ^2/NDF:343.5/7

+ sign 3.007+/-0.068 χ^2/NDF: 3385.0/25

All: 2.537+/-0.048 χ^2/NDF: 6390.7/52

- sign 2.063+/-0.069 χ^2/NDF: 2910.7/26

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.385+/-0.105 χ^2/NDF:1044.6/9

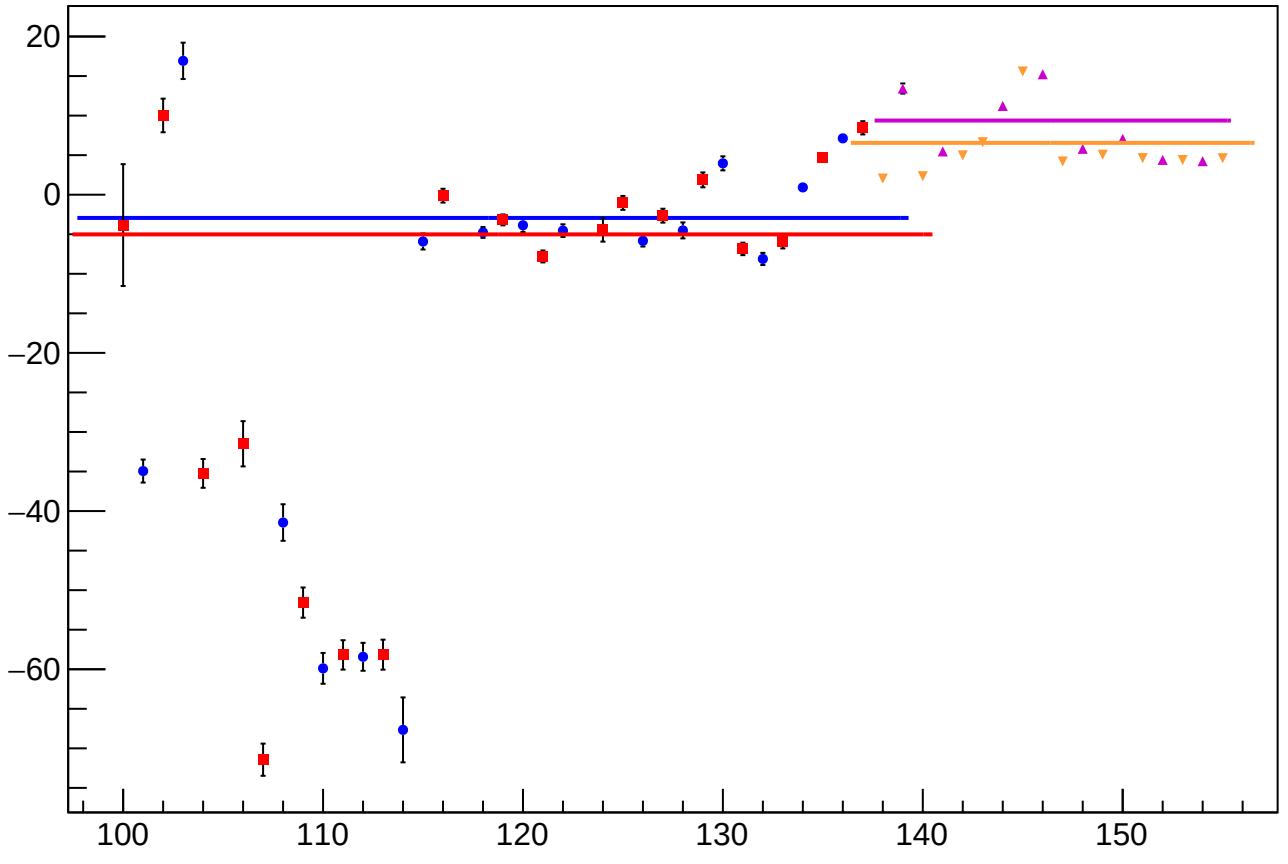
Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -23.519+/-0.107 χ^2/NDF:2043.4/7

+ sign -27.937+/-0.094 χ^2/NDF: 8243.5/25

All: -27.404+/-0.067 χ^2/NDF: 17715.4/52

- sign -26.838+/-0.097 χ^2/NDF: 9405.5/26



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.554+/-0.089 χ^2/NDF:2630.1/9

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

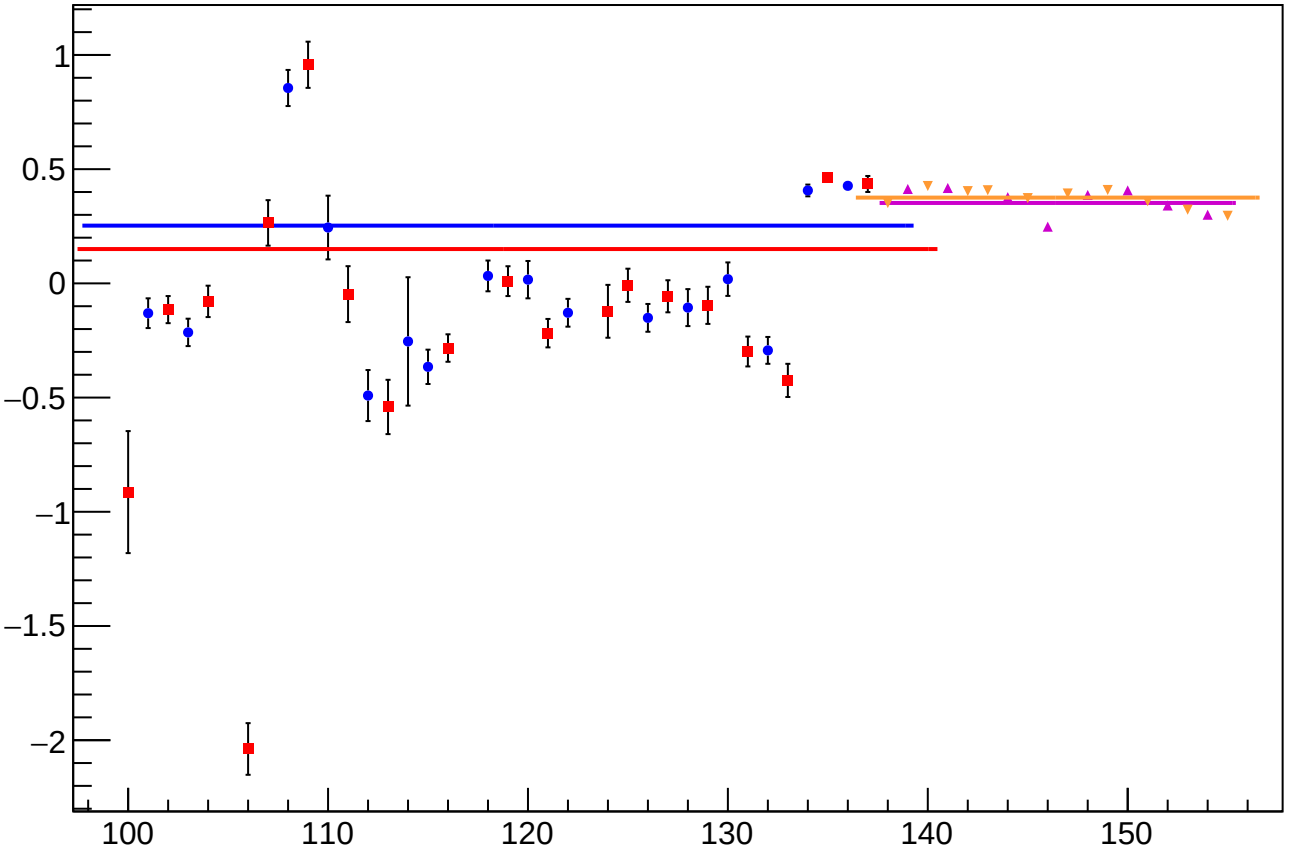
Left In: 9.376+/-0.089 χ^2/NDF:2306.7/7

+ sign 5.107+/-0.082 χ^2/NDF: 8092.2/25

All: 6.310+/-0.058 χ^2/NDF: 18577.1/52

- sign 7.540+/-0.083 χ^2/NDF: 10048.2/26

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.376+/-0.004 χ^2/NDF:79.5/9

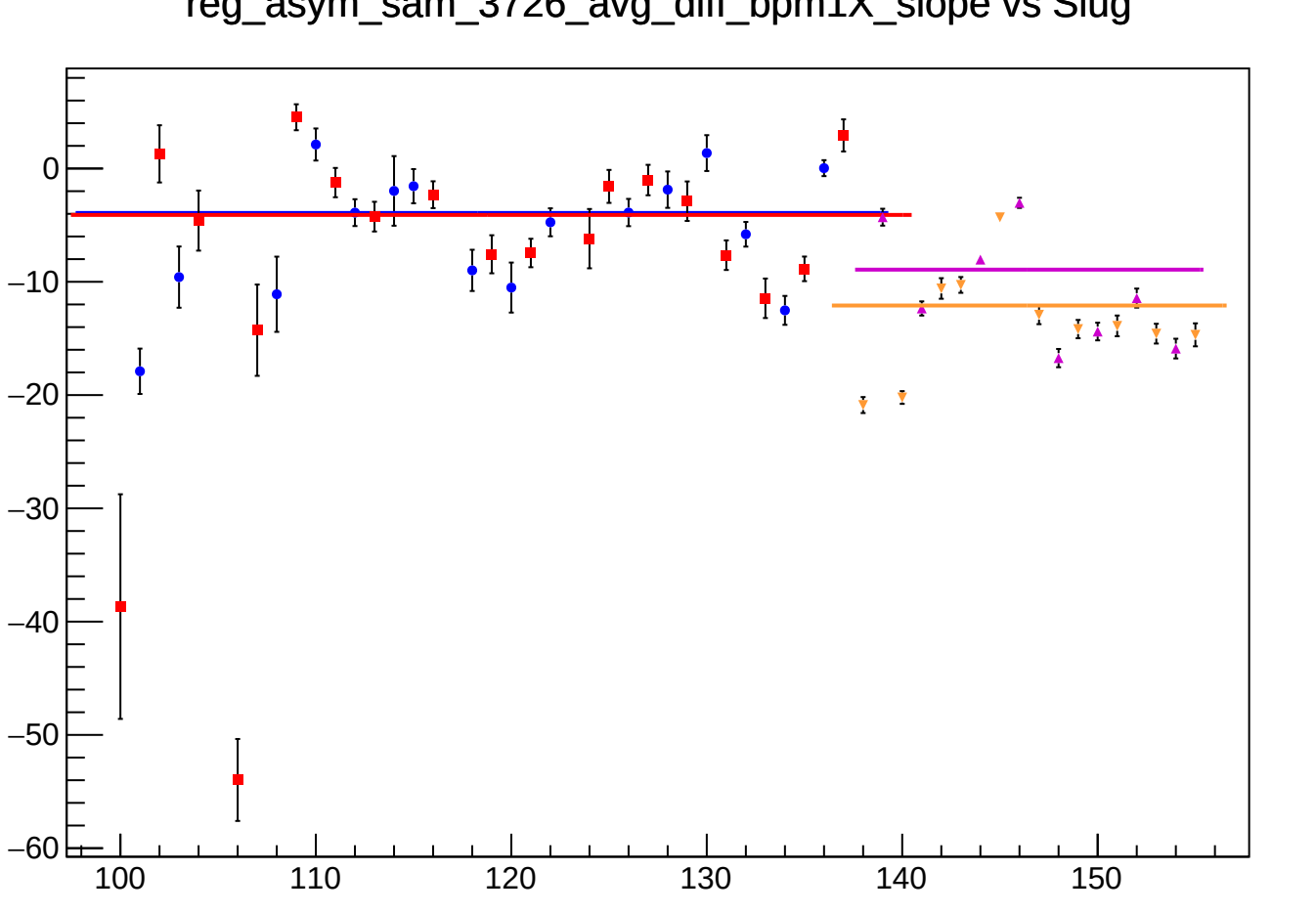
Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.352+/-0.004 χ^2/NDF:209.4/7

+ sign 0.361+/-0.004 χ^2/NDF: 811.1/25

All: 0.347+/-0.003 χ^2/NDF: 2269.0/52

- sign 0.333+/-0.004 χ^2/NDF: 1434.2/26



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.093+/-0.216 χ^2/NDF:790.8/9

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

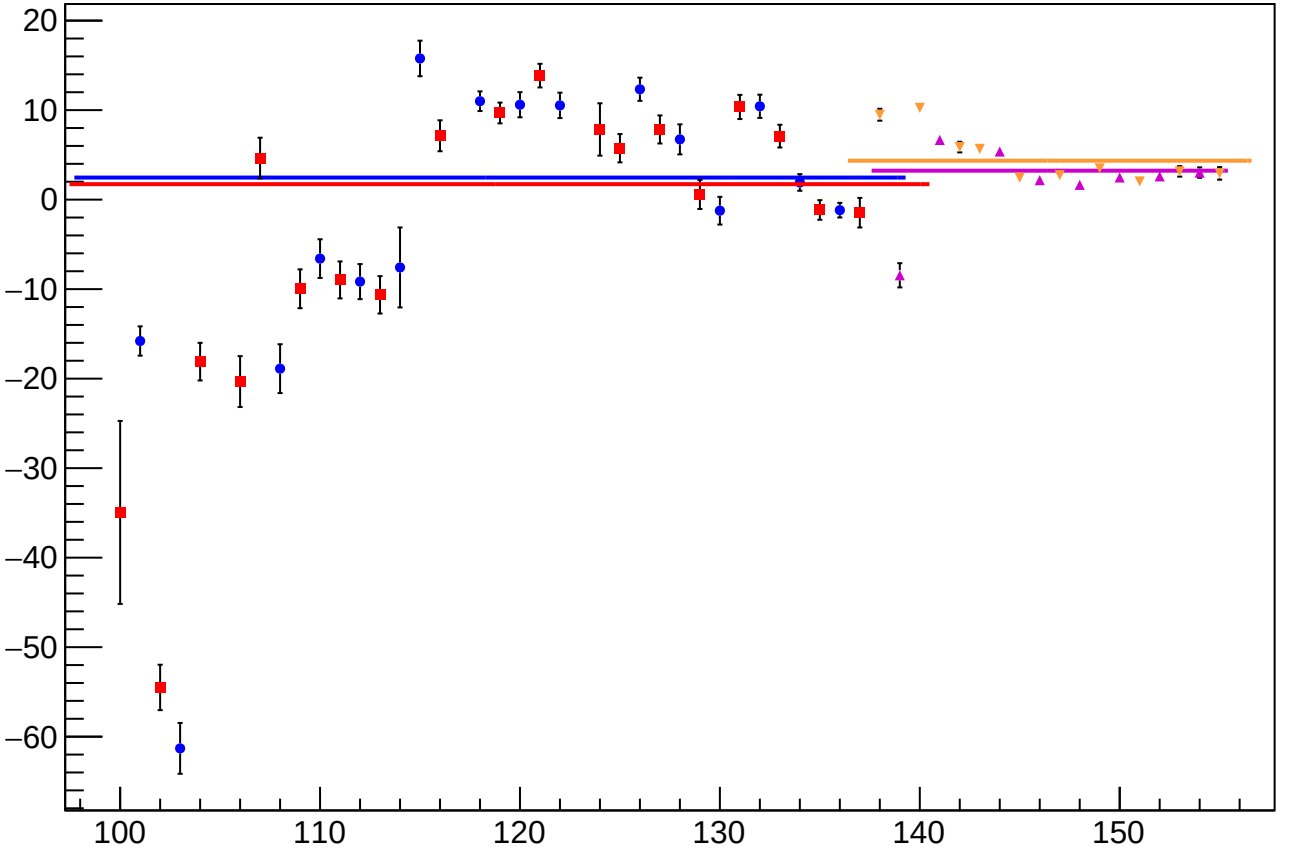
Left In: -8.927+/-0.220 χ^2/NDF:462.8/7

+ sign -9.797+/-0.183 χ^2/NDF: 1380.3/25

All: -8.719+/-0.131 χ^2/NDF: 2413.3/52

- sign -7.597+/-0.187 χ^2/NDF: 962.4/26

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.350+/-0.152 χ^2/NDF:322.5/9

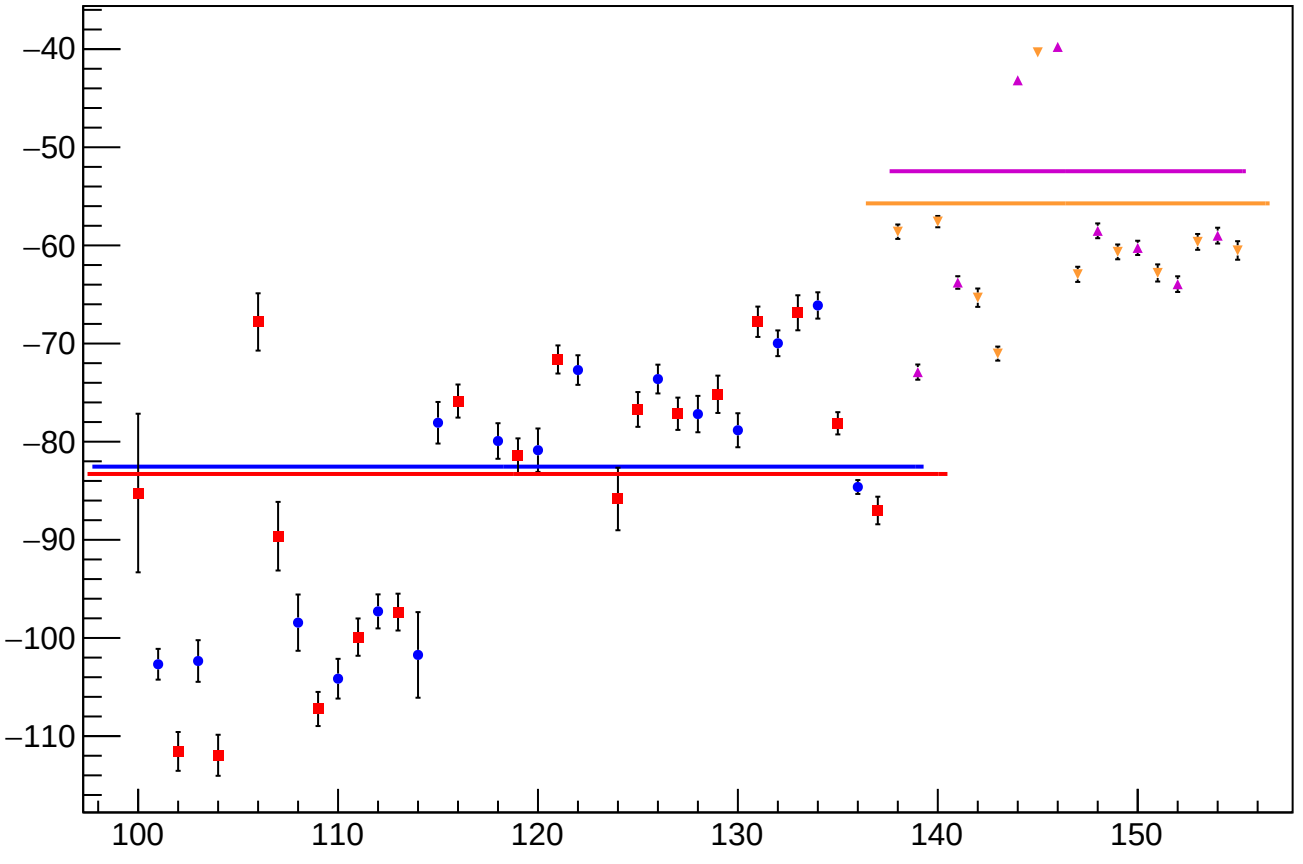
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.234+/-0.147 χ^2/NDF:214.3/7

+ sign 4.060+/-0.140 χ^2/NDF: 1392.9/25

All: 3.542+/-0.098 χ^2/NDF: 2630.5/52

- sign 3.044+/-0.137 χ^2/NDF: 1210.7/26



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -55.718+/-0.216 χ^2/NDF:2265.6/9

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

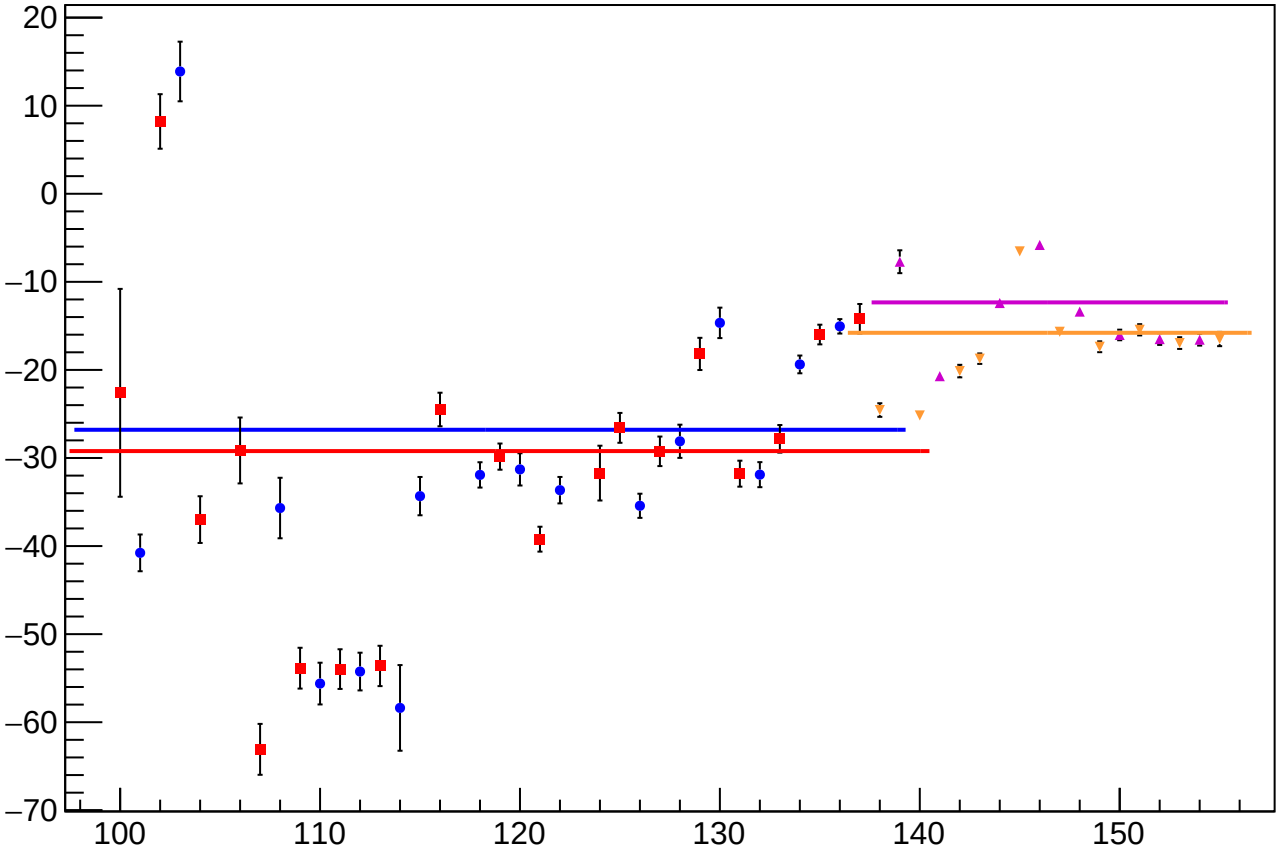
Left In: -52.442+/-0.217 χ^2/NDF:2762.1/7

+ sign -62.169+/-0.188 χ^2/NDF: 6804.5/25

All: -60.648+/-0.135 χ^2/NDF: 15145.7/52

- sign -59.070+/-0.192 χ^2/NDF: 8208.5/26

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.786+/-0.184 χ^2/NDF:1118.9/9

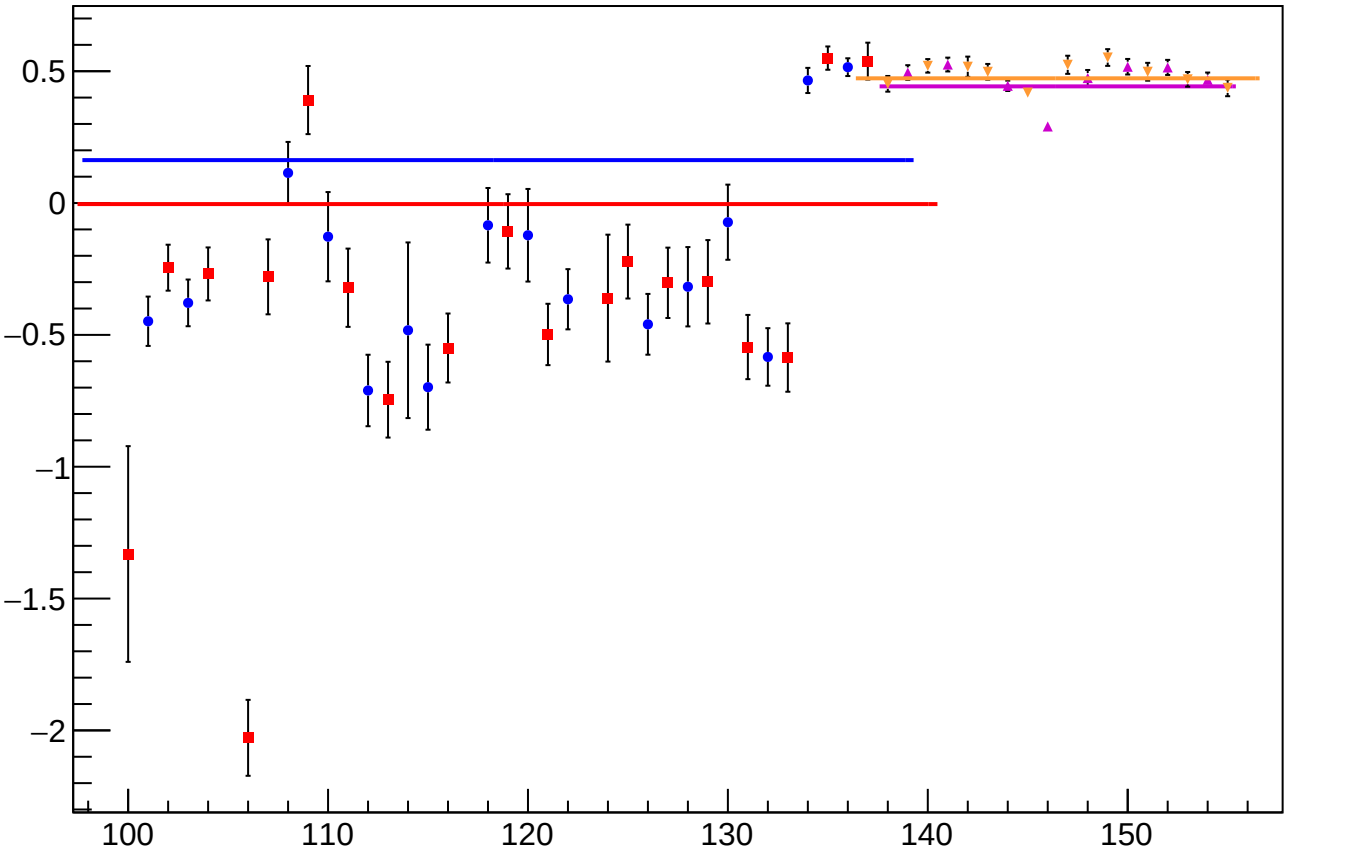
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -12.334+/-0.179 χ^2/NDF:758.7/7

+ sign -17.739+/-0.167 χ^2/NDF: 2719.6/25

All: -16.273+/-0.117 χ^2/NDF: 5899.9/52

- sign -14.826+/-0.166 χ^2/NDF: 3026.5/26



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.473+/-0.009 χ^2/NDF:27.4/9

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

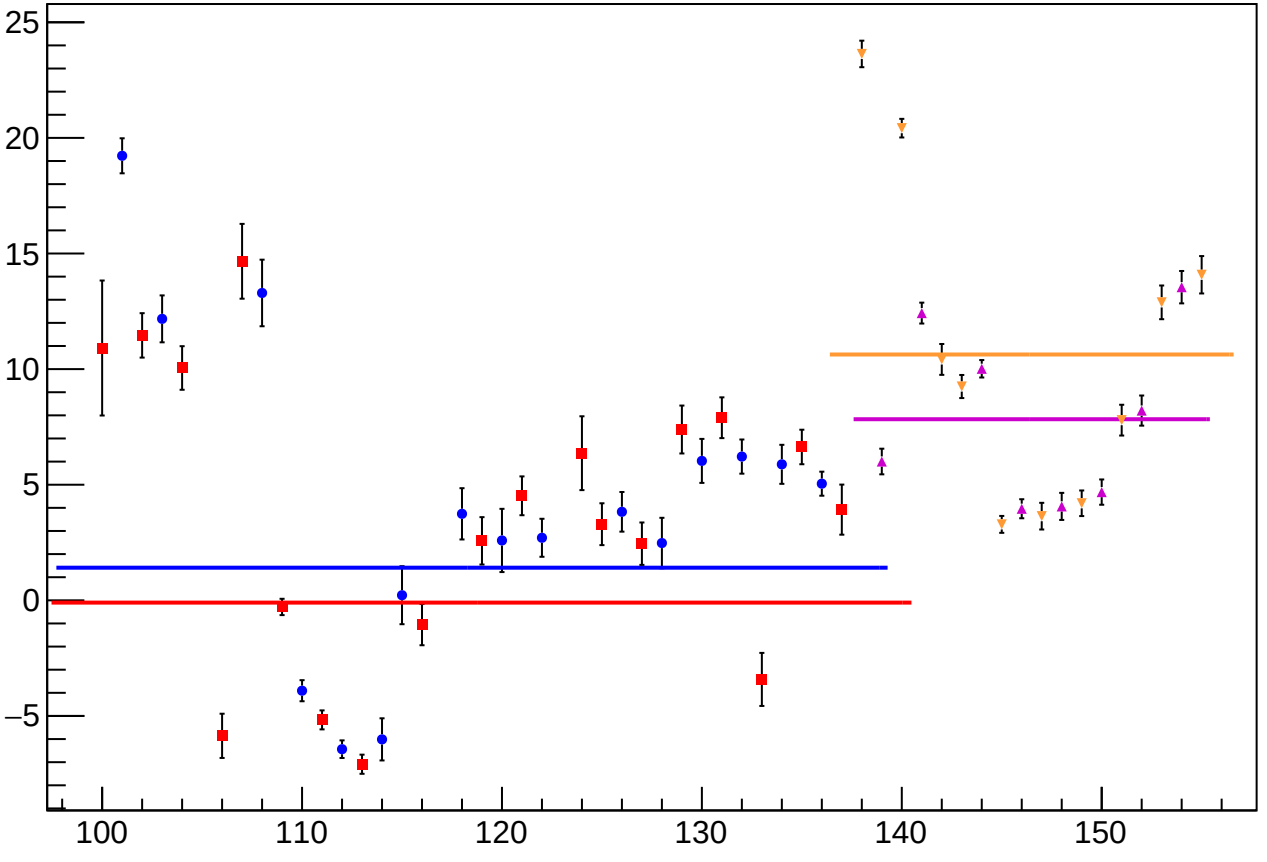
Left In: 0.443+/-0.009 χ^2/NDF:94.2/7

+ sign 0.429+/-0.008 χ^2/NDF: 630.4/25

All: 0.411+/-0.006 χ^2/NDF: 1604.9/52

- sign 0.391+/-0.008 χ^2/NDF: 963.7/26

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: 10.632+/-0.169 χ^2/NDF:1844.1/9

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

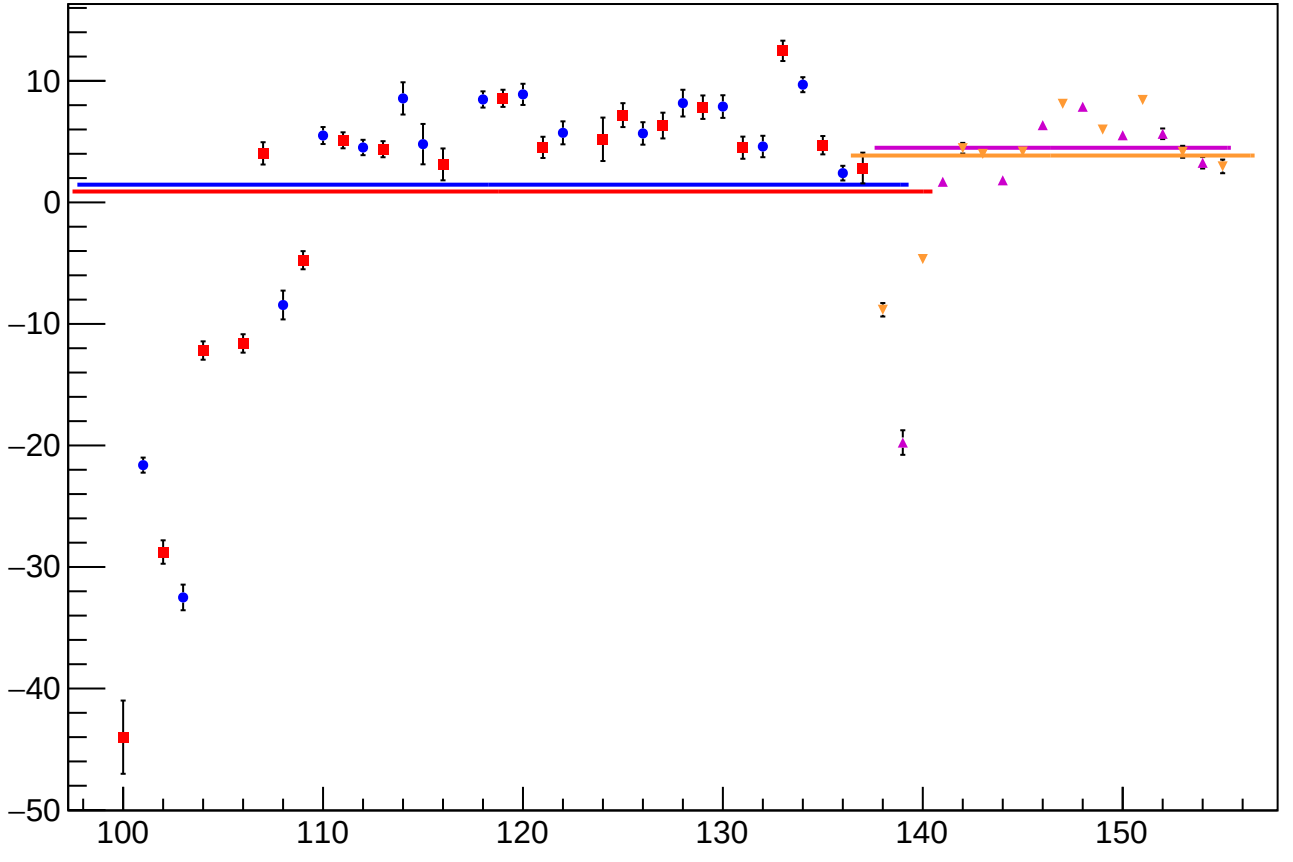
Left In: 7.833+/-0.177 χ^2/NDF:377.7/7

+ sign 6.382+/-0.124 χ^2/NDF: 4733.1/25

All: 4.980+/-0.087 χ^2/NDF: 7563.8/52

- sign 3.635+/-0.122 χ^2/NDF: 2581.7/26

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: 3.857+/-0.117 χ^2/NDF:1639.3/9

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

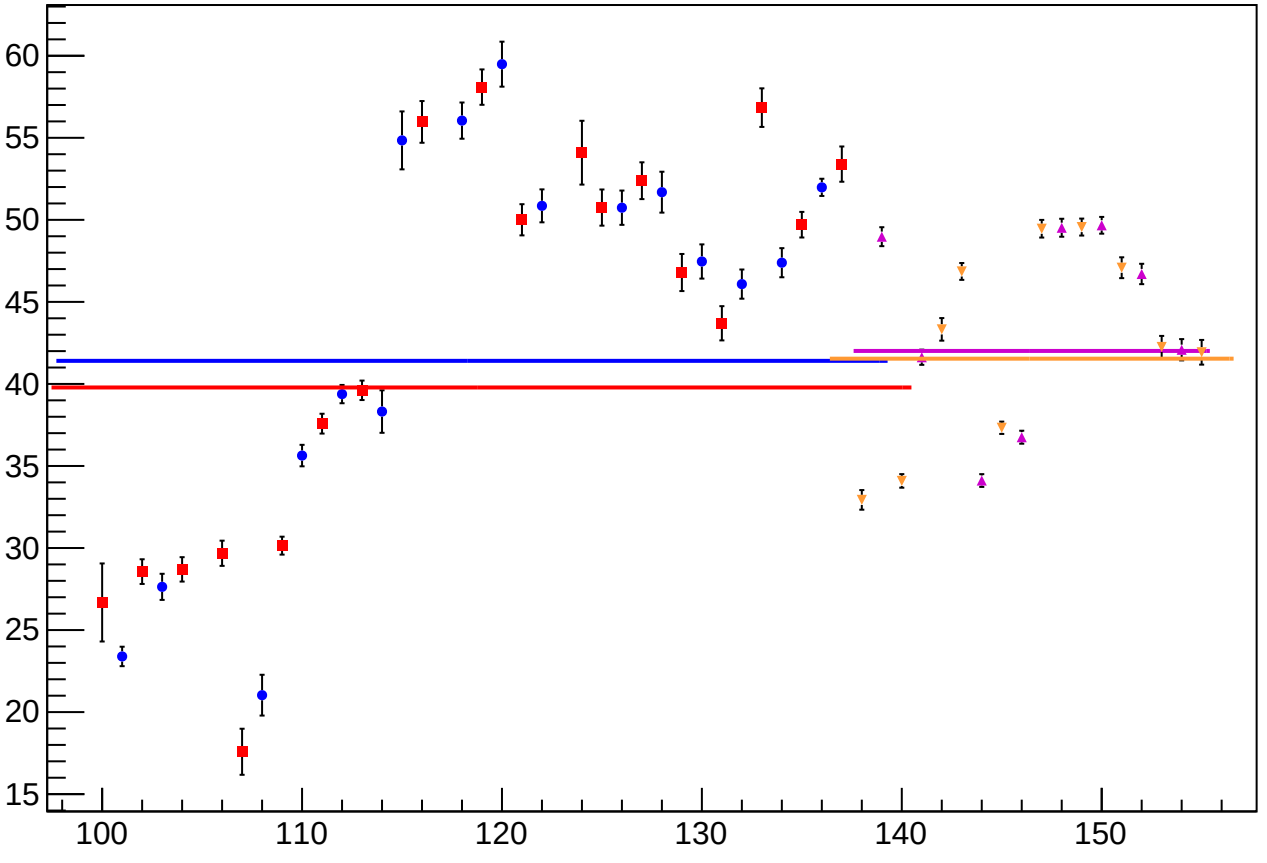
Left In: 4.495+/-0.119 χ^2/NDF:970.3/7

+ sign 3.263+/-0.101 χ^2/NDF: 4824.1/25

All: 3.414+/-0.072 χ^2/NDF: 8411.6/52

- sign 3.569+/-0.102 χ^2/NDF: 3583.0/26

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.540+/-0.168 χ^2/NDF:1304.8/9

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

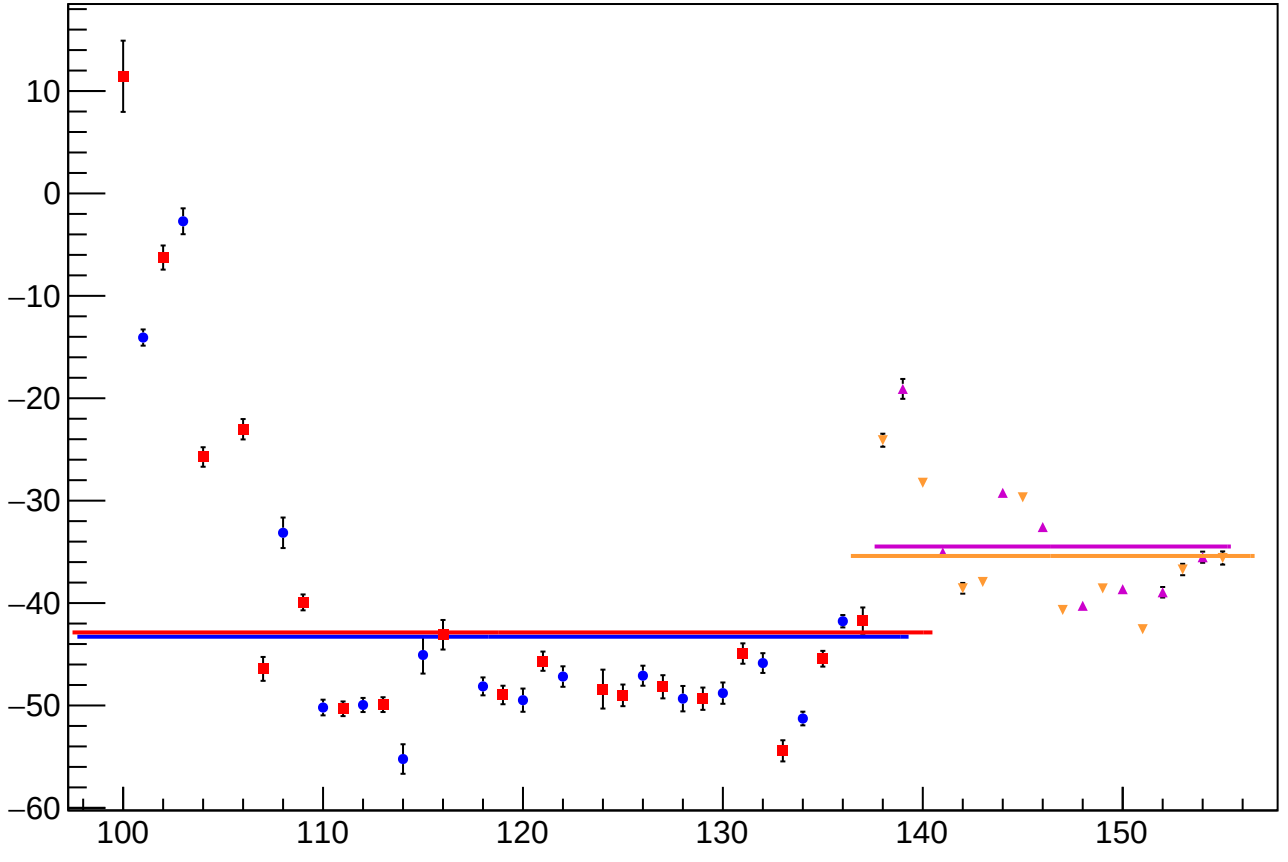
Left In: 42.011+/-0.175 χ^2/NDF:1205.5/7

+ sign 41.488+/-0.132 χ^2/NDF: 4051.0/25

All: 41.277+/-0.093 χ^2/NDF: 7984.7/52

- sign 41.063+/-0.132 χ^2/NDF: 3928.5/26

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: -35.401+/-0.142 χ^2/NDF:1487.2/9

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

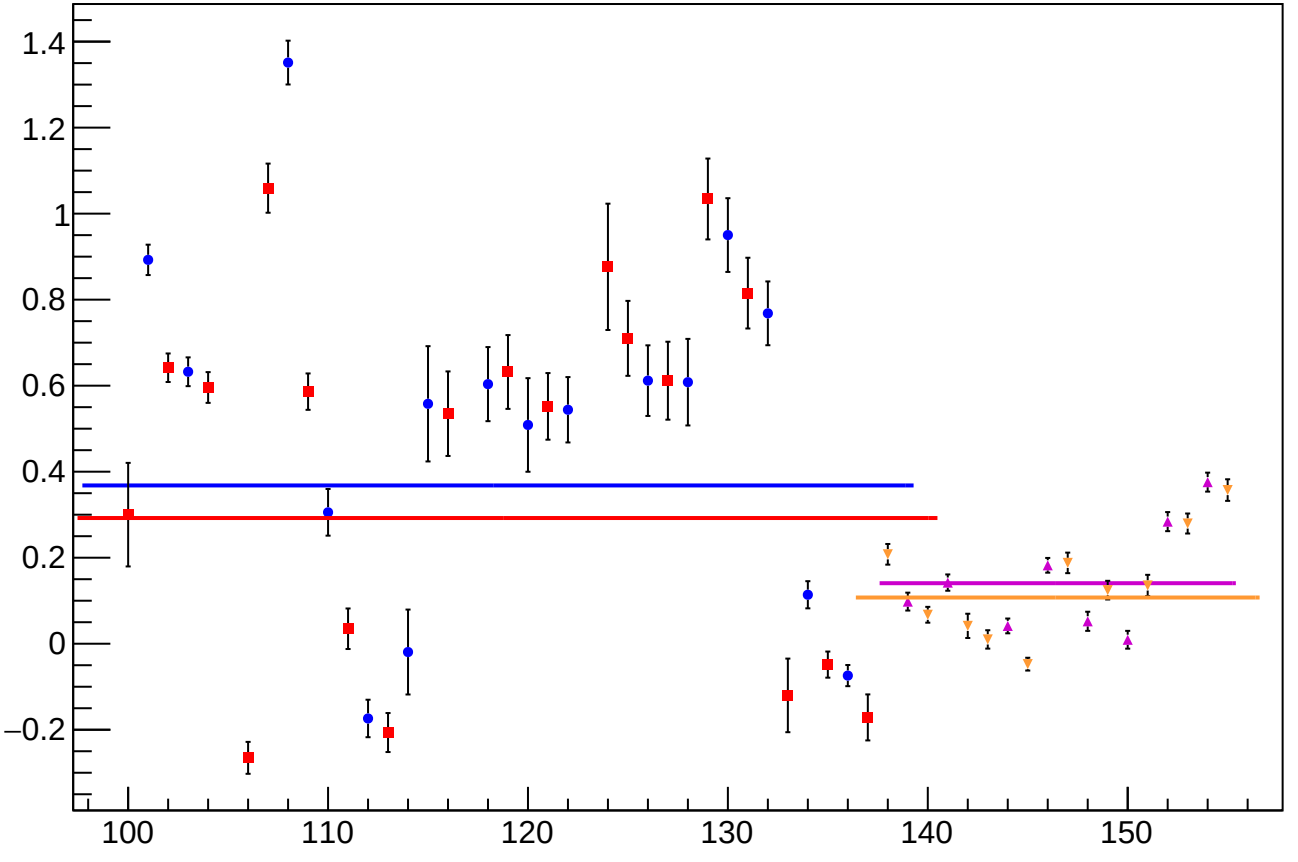
Left In: -34.477+/-0.145 χ^2/NDF:953.0/7

+ sign -37.585+/-0.121 χ^2/NDF: 5326.9/25

All: -37.241+/-0.086 χ^2/NDF: 9707.6/52

- sign -36.884+/-0.123 χ^2/NDF: 4364.1/26

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: 0.107+/-0.007 χ^2/NDF:323.7/9

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

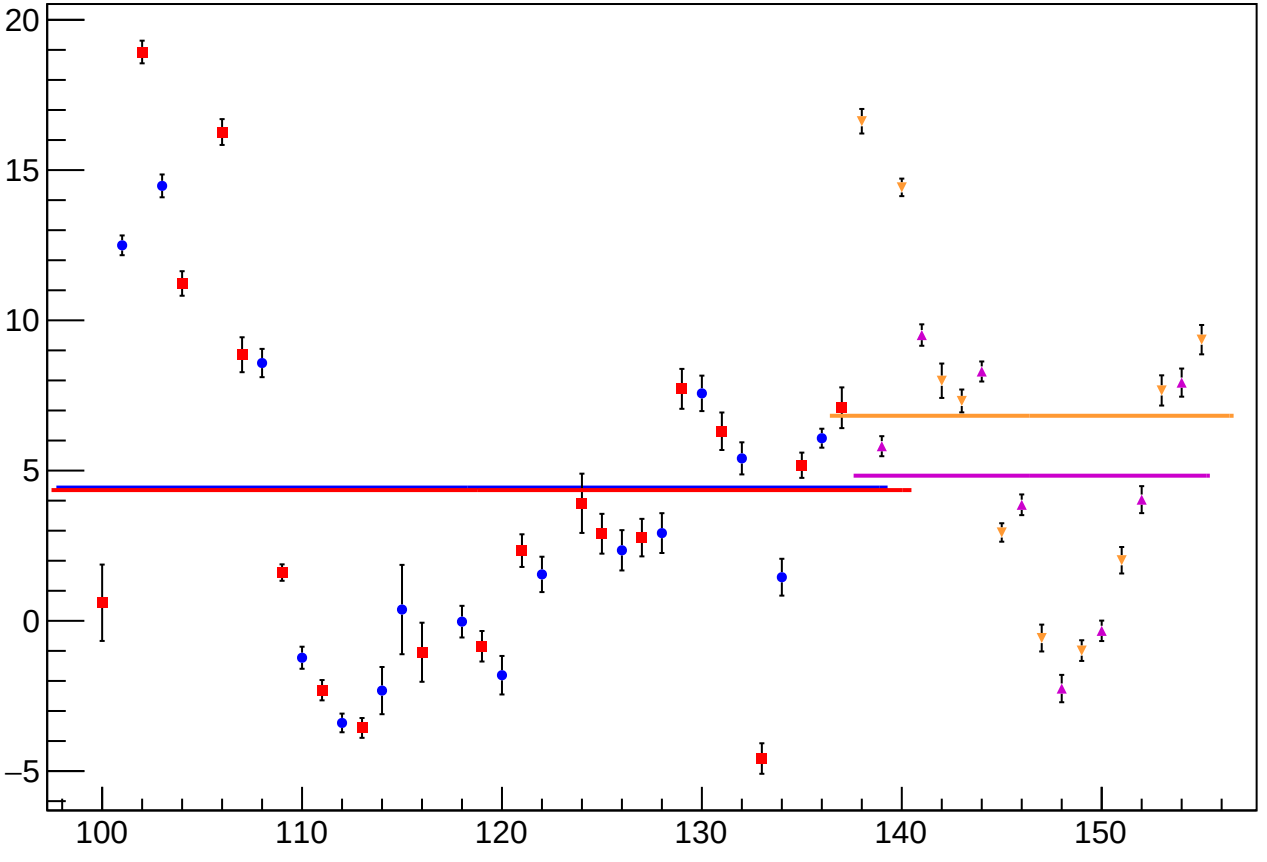
Left In: 0.141+/-0.007 χ^2/NDF:254.9/7

+ sign 0.169+/-0.006 χ^2/NDF: 1992.4/25

All: 0.174+/-0.004 χ^2/NDF: 3565.2/52

- sign 0.179+/-0.006 χ^2/NDF: 1571.5/26

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: 6.824+/-0.124 χ^2/NDF:2359.4/9

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

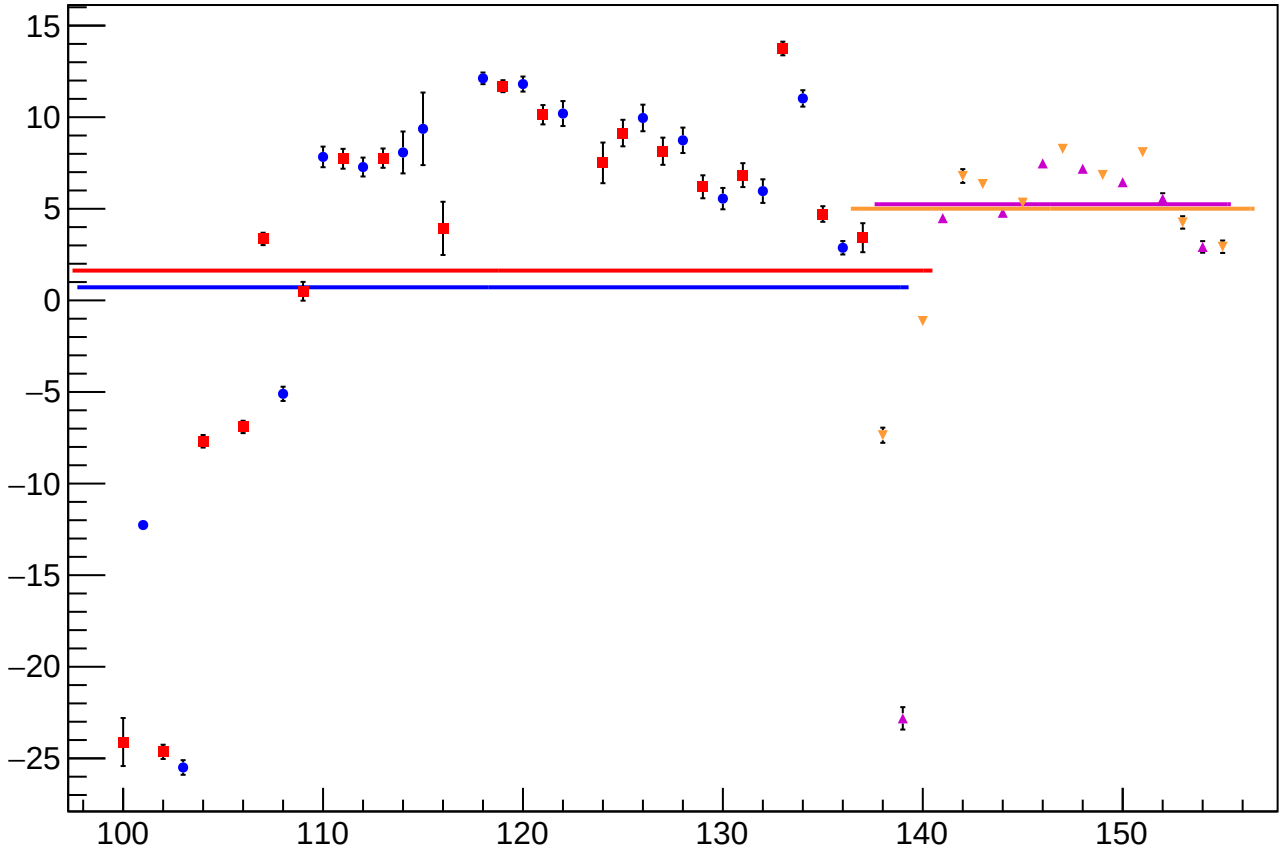
Left In: 4.831+/-0.132 χ^2/NDF:816.3/7

+ sign 5.560+/-0.085 χ^2/NDF: 5178.0/25

All: 5.047+/-0.060 χ^2/NDF: 10279.4/52

- sign 4.545+/-0.084 χ^2/NDF: 5029.4/26

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: 5.005+/-0.086 χ^2/NDF:2084.1/9

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

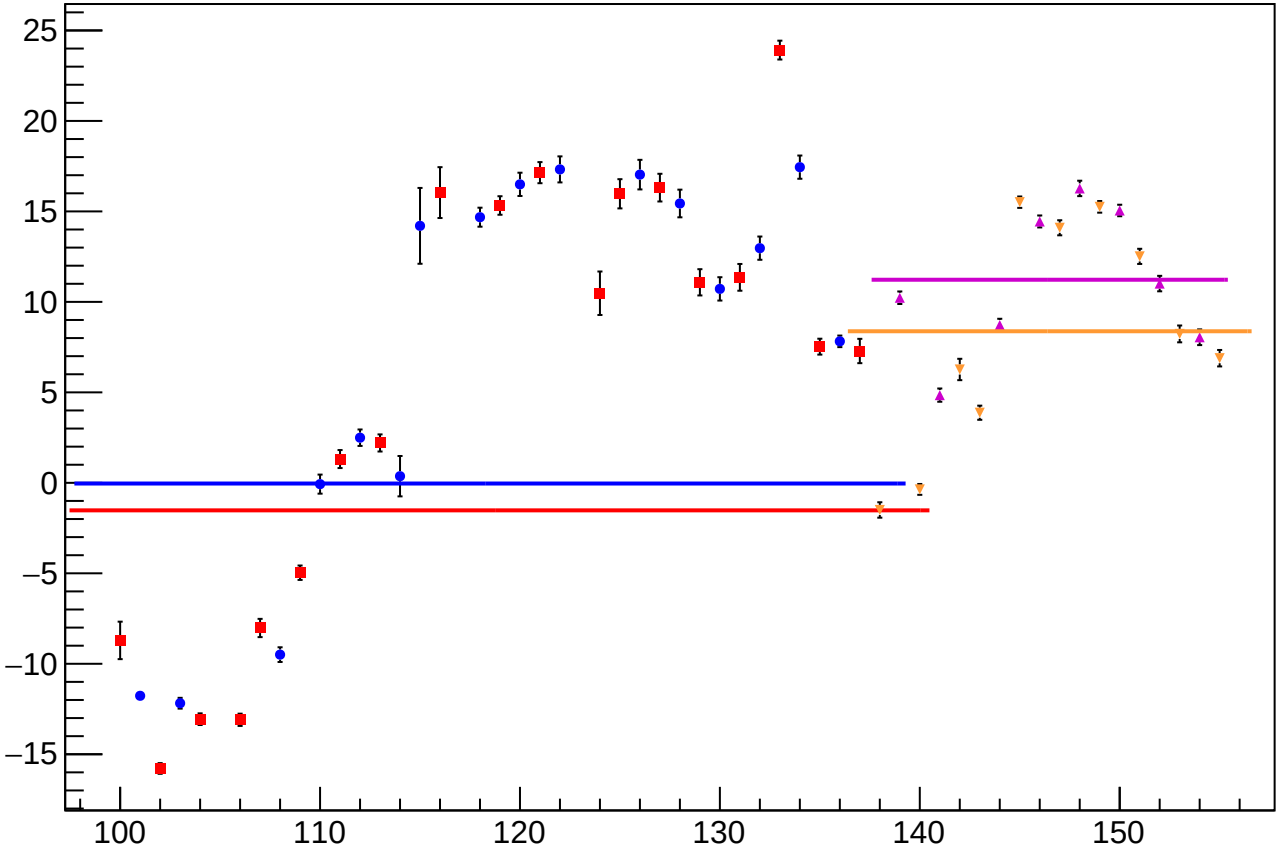
Left In: 5.247+/-0.092 χ^2/NDF:2389.7/7

+ sign 3.484+/-0.069 χ^2/NDF: 13422.1/25

All: 3.621+/-0.050 χ^2/NDF: 25703.5/52

- sign 3.766+/-0.071 χ^2/NDF: 12273.3/26

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: 8.377+/-0.122 χ^2/NDF:2797.1/9

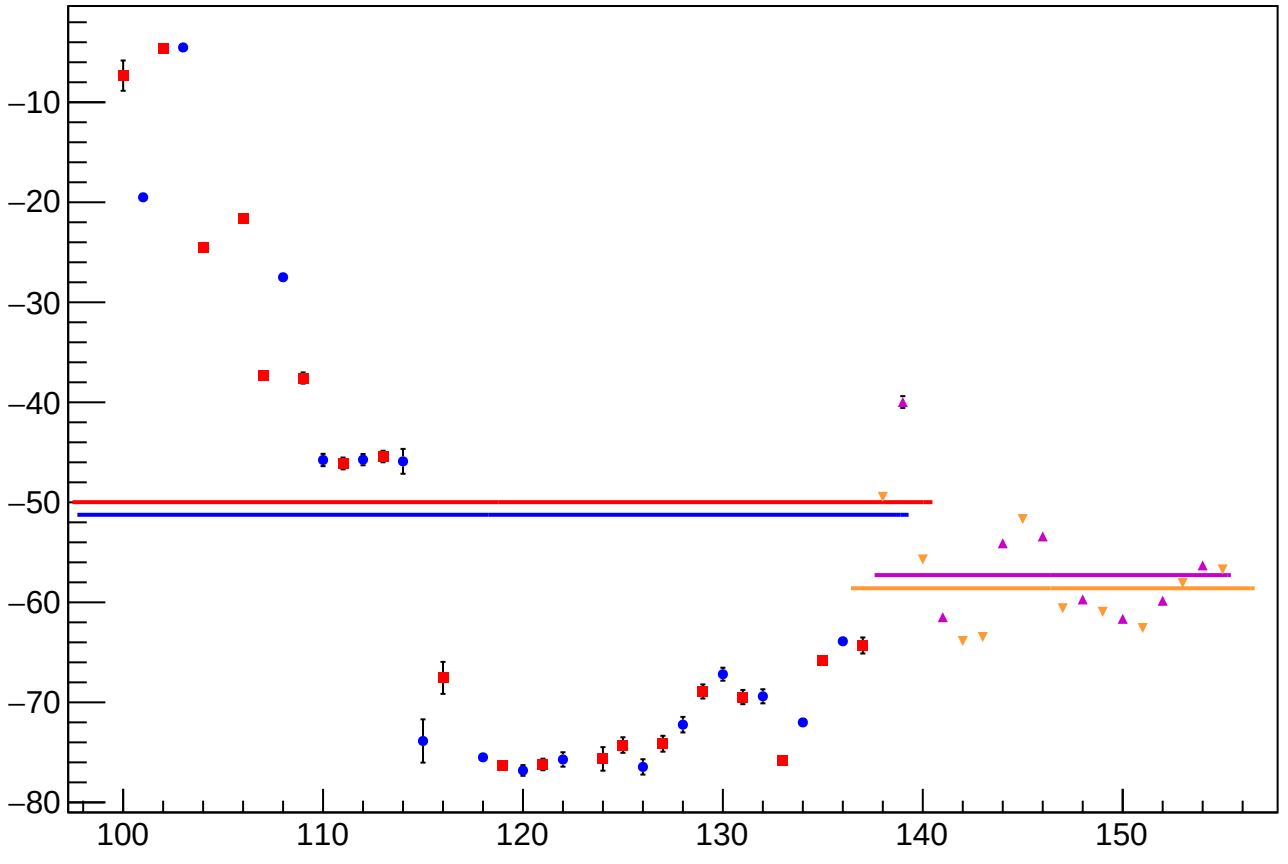
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 11.224+/-0.130 χ^2/NDF:798.2/7

+ sign 4.062+/-0.085 χ^2/NDF: 14492.7/25

All: 4.080+/-0.061 χ^2/NDF: 32828.7/52

- sign 4.099+/-0.086 χ^2/NDF: 18335.9/26



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.594+/-0.104 χ^2/NDF:1712.0/9

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

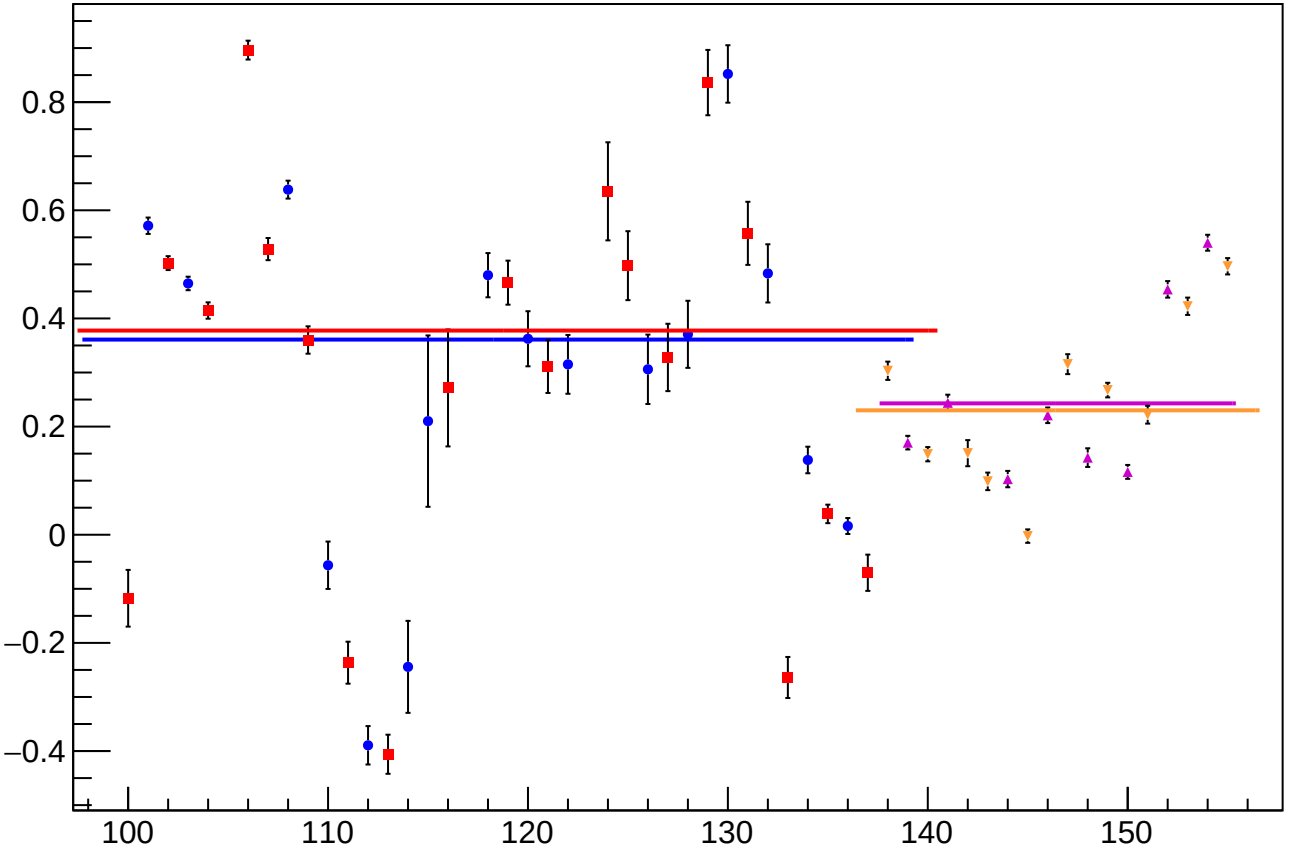
Left In: -57.275+/-0.111 χ^2/NDF:1790.0/7

+ sign -55.877+/-0.083 χ^2/NDF: 37323.3/25

All: -55.065+/-0.059 χ^2/NDF: 75009.0/52

- sign -54.209+/-0.085 χ^2/NDF: 37487.1/26

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: 0.230+/-0.005 χ^2/NDF:964.9/9

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

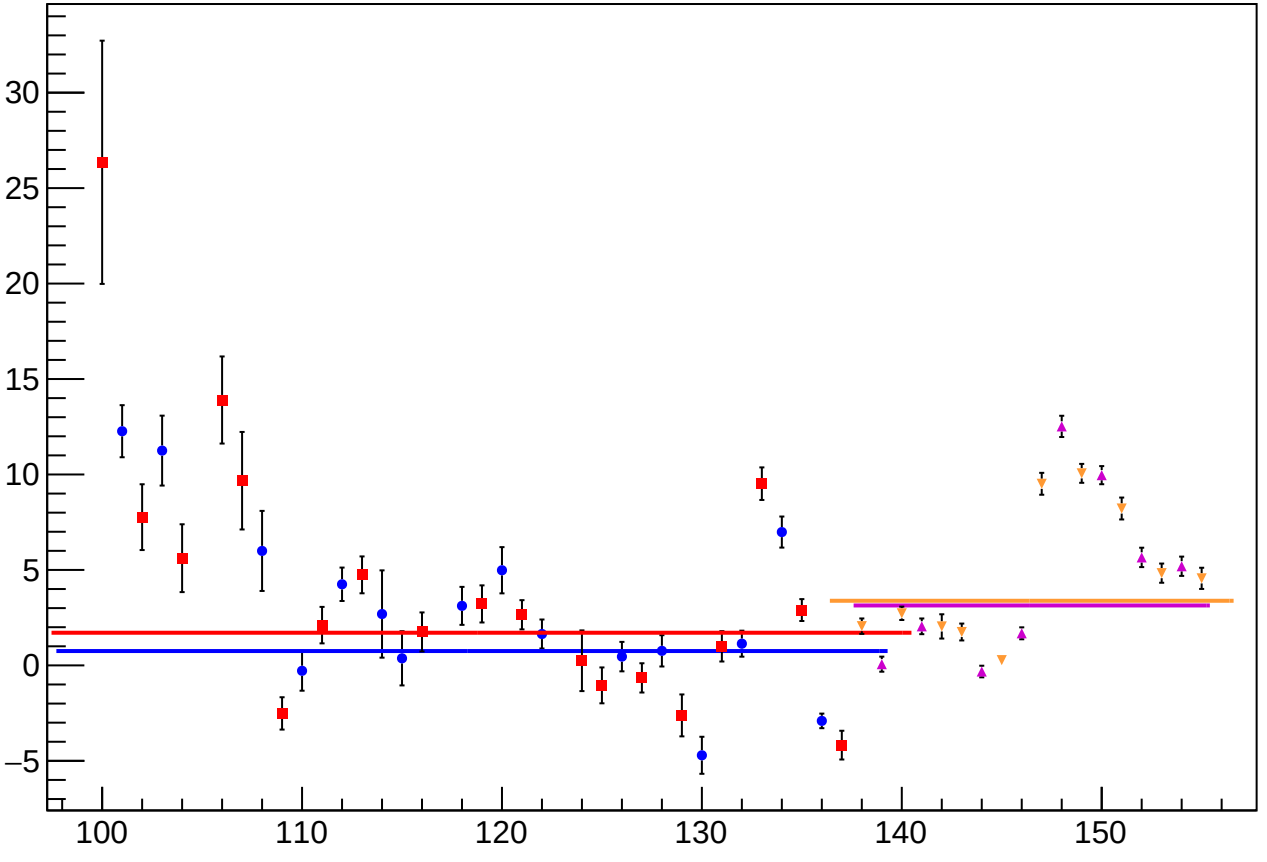
Left In: 0.243+/-0.005 χ^2/NDF:849.0/7

+ sign 0.279+/-0.004 χ^2/NDF: 3090.1/25

All: 0.288+/-0.003 χ^2/NDF: 7027.4/52

- sign 0.298+/-0.004 χ^2/NDF: 3924.9/26

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: 3.385+/-0.137 χ^2/NDF:551.3/9

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

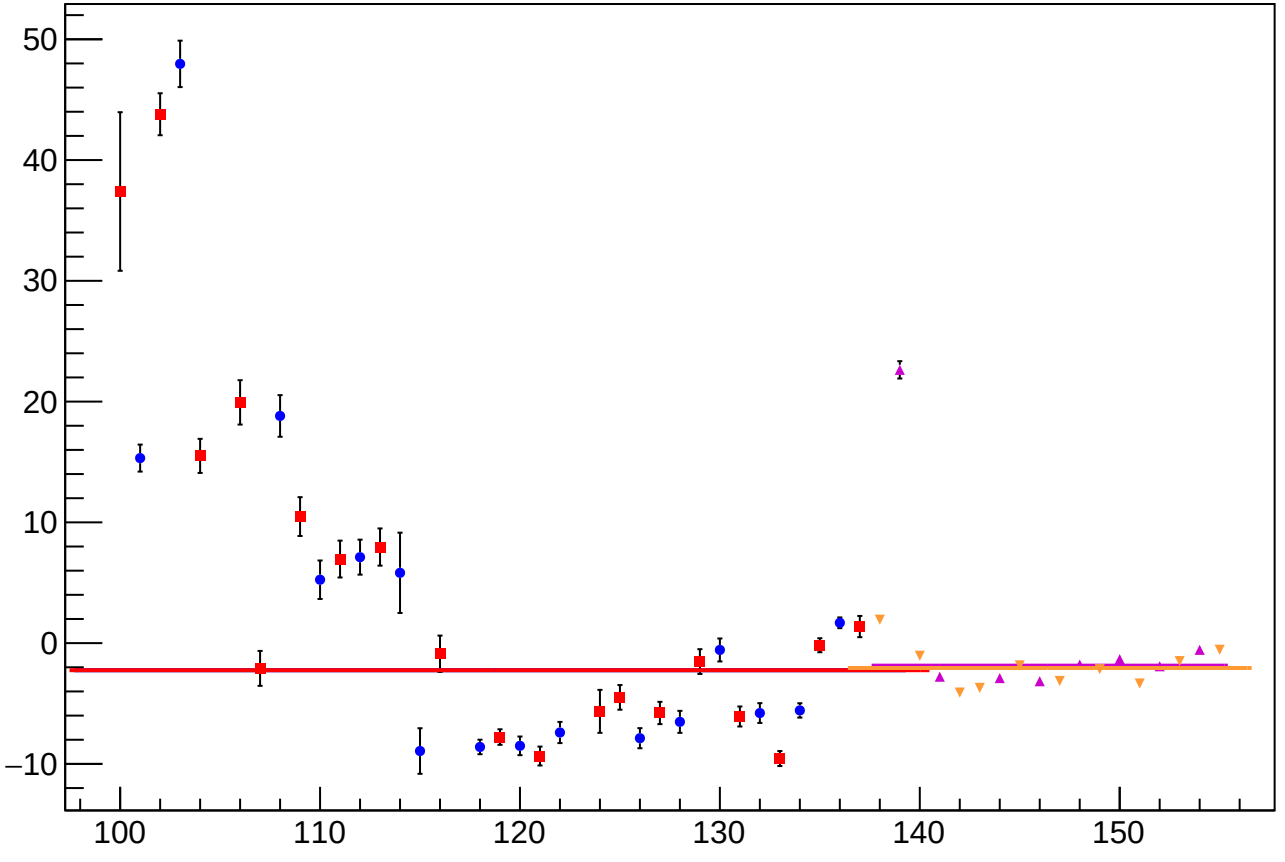
Left In: 3.139+/-0.143 χ^2/NDF:750.5/7

\+ sign 2.615+/-0.115 χ^2/NDF: 990.2/25

All: 2.666+/-0.083 χ^2/NDF: 2064.0/52

\- sign 2.722+/-0.120 χ^2/NDF: 1073.5/26

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: -2.058+/-0.097 χ^2/NDF:217.4/9

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

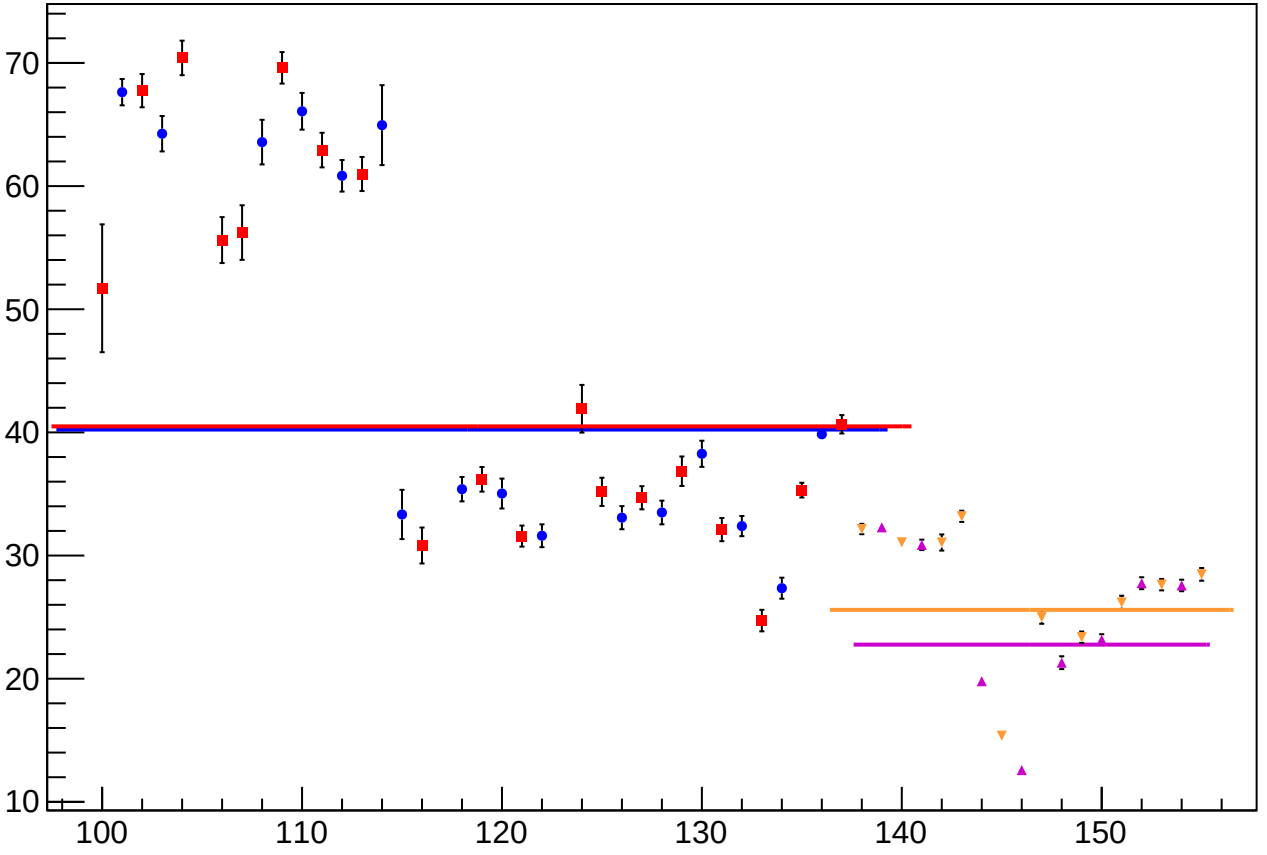
Left In: -1.864+/-0.099 χ^2/NDF:1256.8/7

+ sign -2.090+/-0.089 χ^2/NDF: 1790.5/25

All: -2.009+/-0.064 χ^2/NDF: 4606.9/52

- sign -1.924+/-0.091 χ^2/NDF: 2814.7/26

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: 25.590+/-0.136 χ^2/NDF:2313.7/9

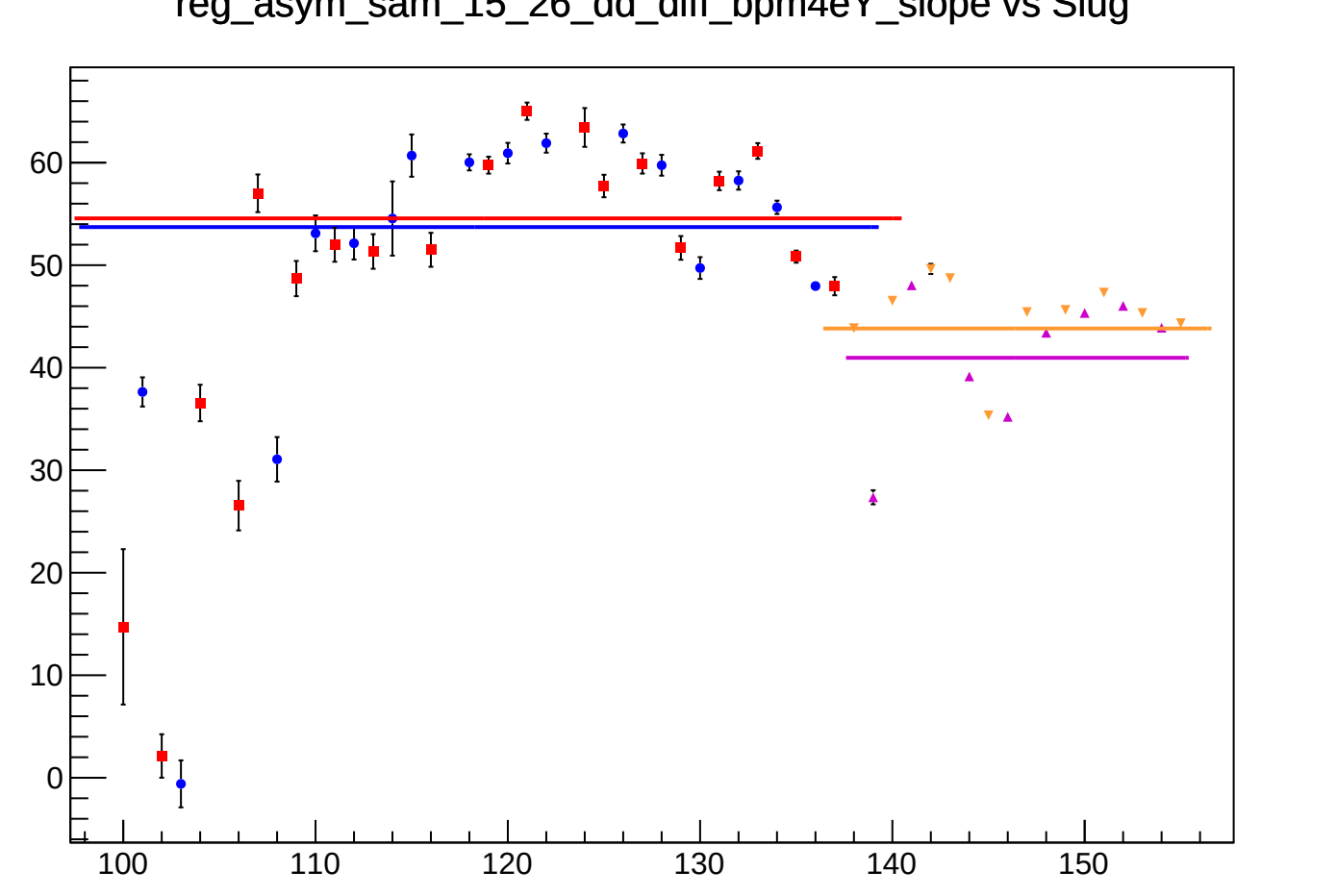
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 22.767+/-0.141 χ^2/NDF:2355.7/7

+ sign 29.357+/-0.117 χ^2/NDF: 7577.7/25

All: 28.250+/-0.085 χ^2/NDF: 16619.8/52

- sign 27.036+/-0.123 χ^2/NDF: 8855.6/26



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.824+/-0.117 χ^2/NDF:1680.2/9

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

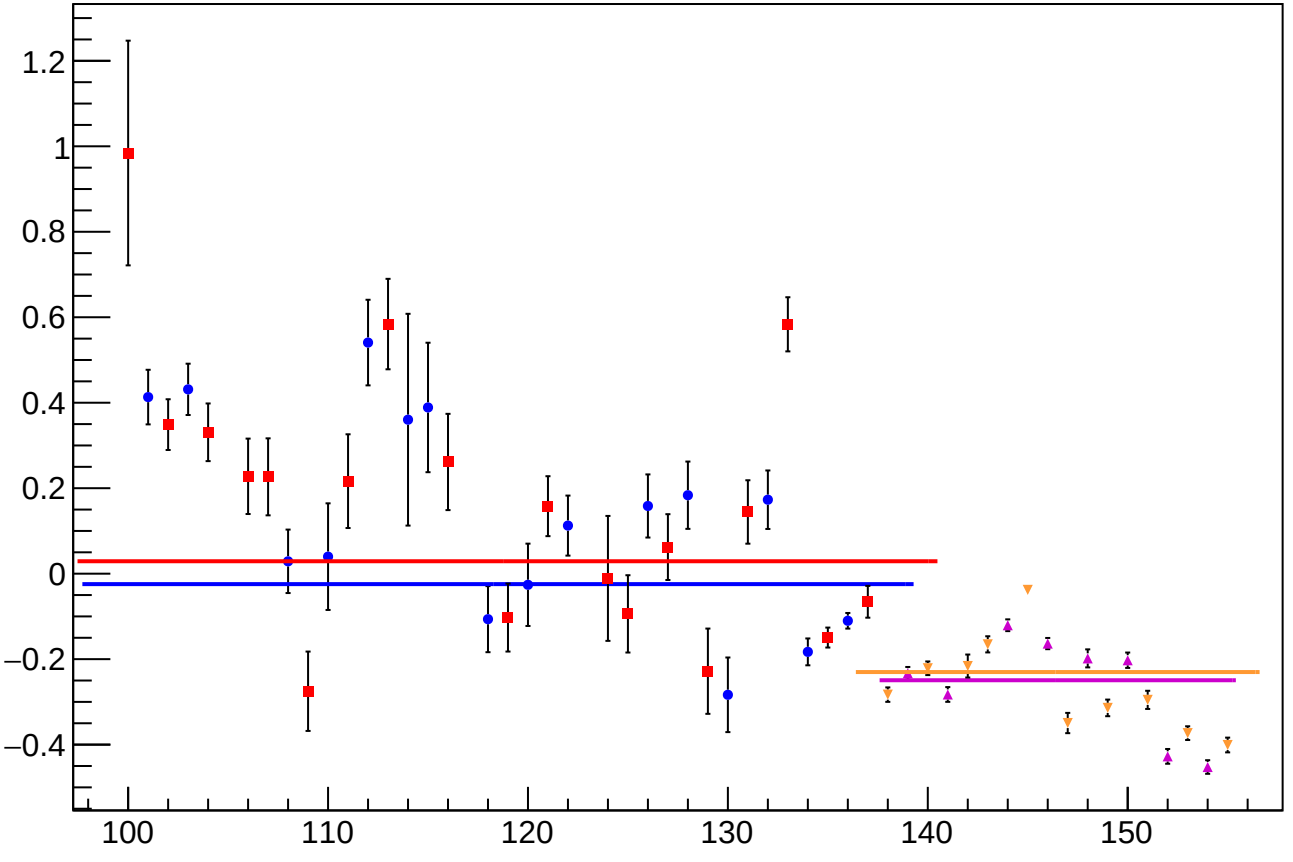
Left In: 40.964+/-0.120 χ^2/NDF:1816.9/7

+ sign 45.734+/-0.105 χ^2/NDF: 4424.9/25

All: 44.612+/-0.076 χ^2/NDF: 10133.3/52

- sign 43.411+/-0.109 χ^2/NDF: 5472.1/26

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: -0.230+/-0.005 χ^2/NDF:570.8/9

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

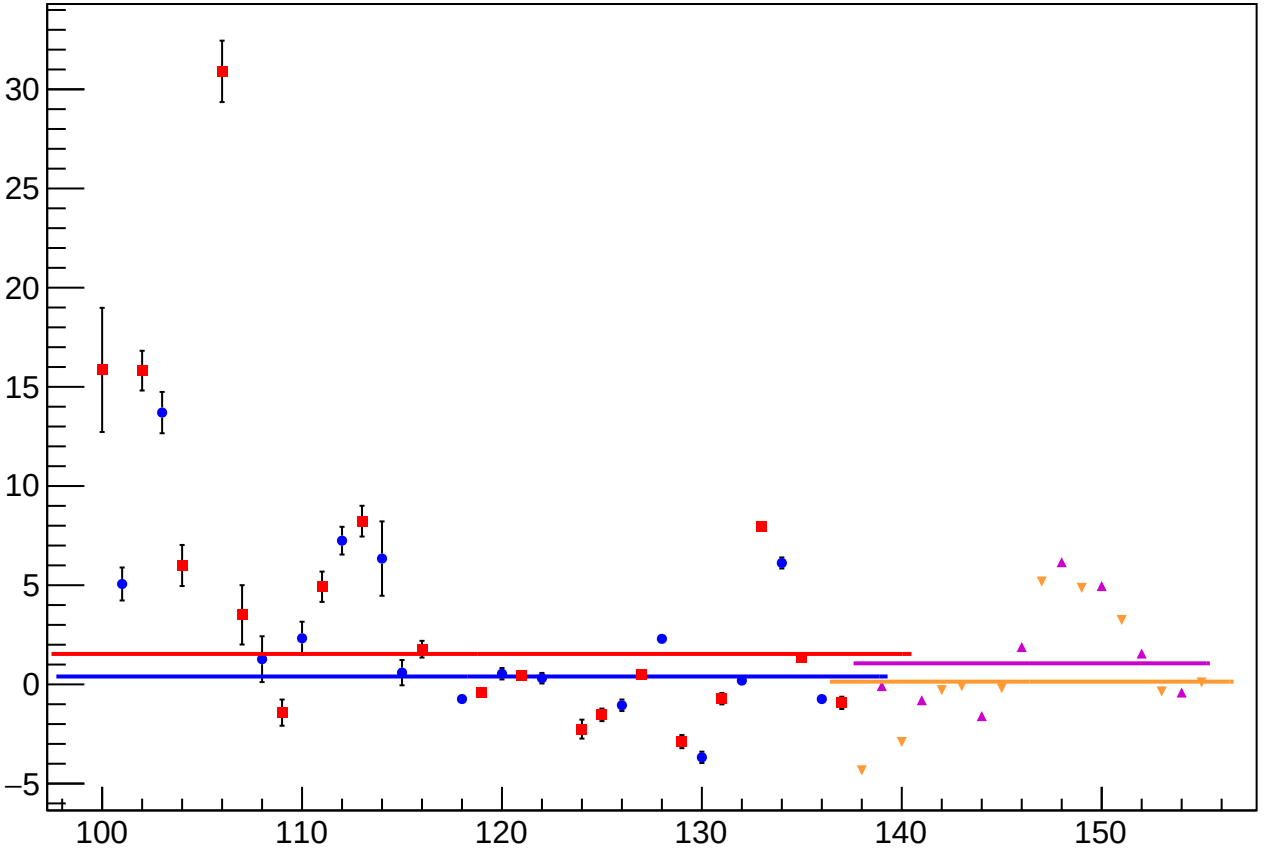
Left In: -0.249+/-0.006 χ^2/NDF:416.7/7

+ sign -0.199+/-0.005 χ^2/NDF: 1019.5/25

All: -0.205+/-0.004 χ^2/NDF: 2046.3/52

- sign -0.212+/-0.005 χ^2/NDF: 1023.6/26

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: 0.138+/-0.050 χ^2/NDF:3242.3/9

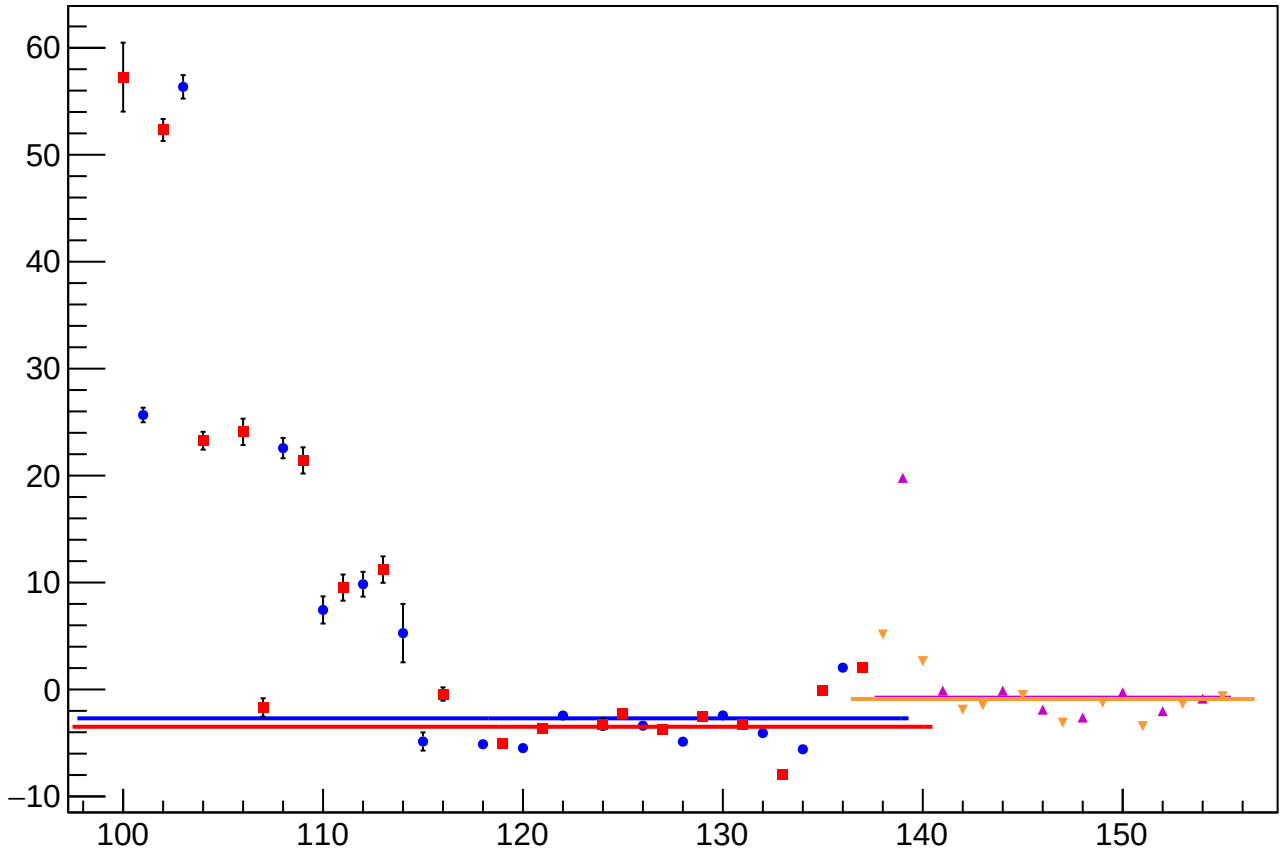
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 1.062+/-0.051 χ^2/NDF:2320.2/7

+ sign 0.215+/-0.042 χ^2/NDF: 4347.7/25

All: 0.699+/-0.030 χ^2/NDF: 9378.4/52

- sign 1.203+/-0.043 χ^2/NDF: 4757.0/26



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.889+/-0.035 χ^2/NDF:3685.6/9

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

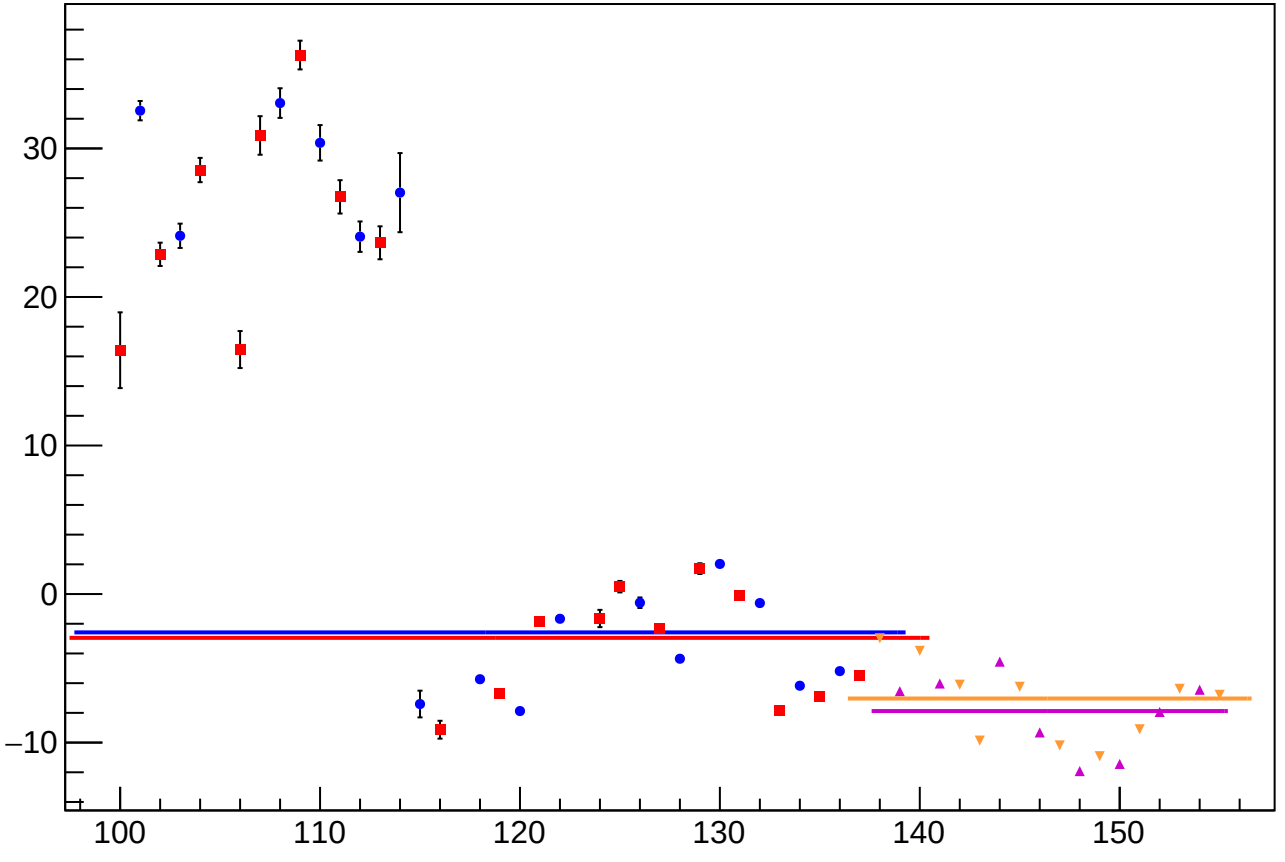
Left In: -0.765+/-0.036 χ^2/NDF:7405.3/7

+ sign -1.249+/-0.032 χ^2/NDF: 11313.8/25

All: -1.281+/-0.022 χ^2/NDF: 27058.7/52

- sign -1.312+/-0.032 χ^2/NDF: 15742.9/26

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: -7.033+/-0.049 χ^2/NDF:2742.5/9

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

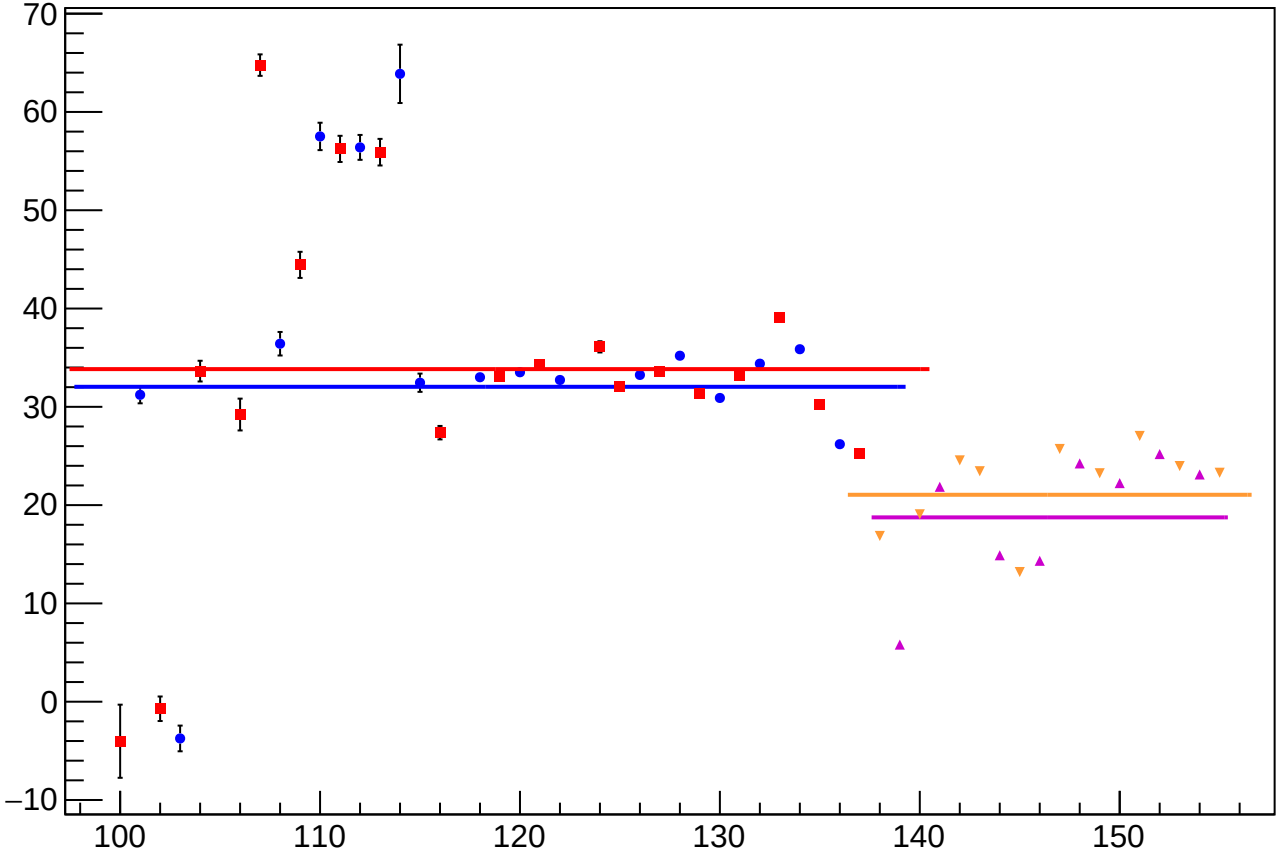
Left In: -7.877+/-0.050 χ^2/NDF:2496.1/7

+ sign -5.869+/-0.043 χ^2/NDF: 13021.9/25

All: -6.229+/-0.030 χ^2/NDF: 26357.3/52

- sign -6.602+/-0.043 χ^2/NDF: 13188.9/26

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: 21.052+/-0.042 χ^2/NDF:12855.3/9

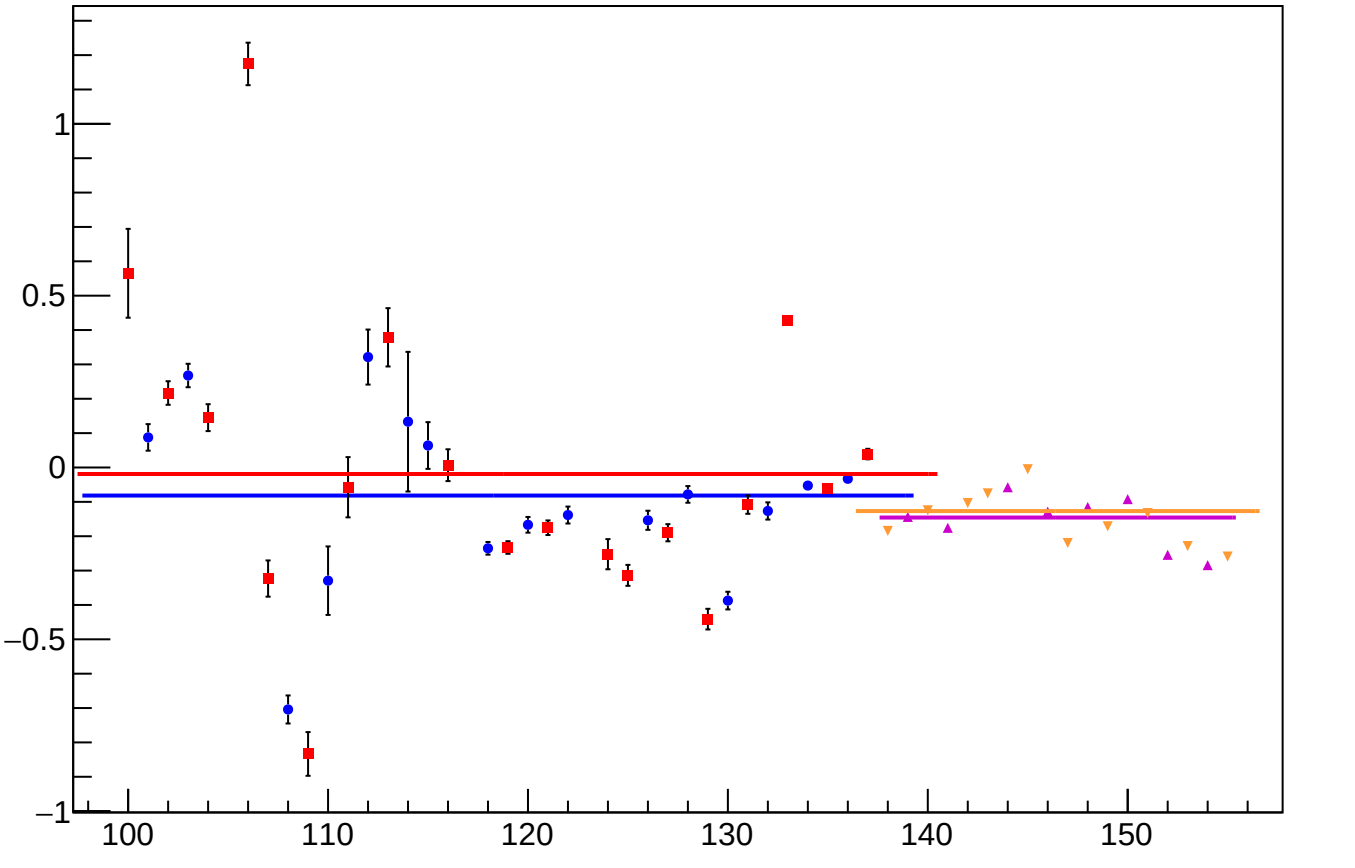
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.753+/-0.043 χ^2/NDF:12950.2/7

+ sign 23.404+/-0.038 χ^2/NDF: 30466.4/25

All: 22.714+/-0.027 χ^2/NDF: 75110.9/52

- sign 22.012+/-0.038 χ^2/NDF: 43965.4/26



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.127+/-0.002 χ^2/NDF:1893.6/9

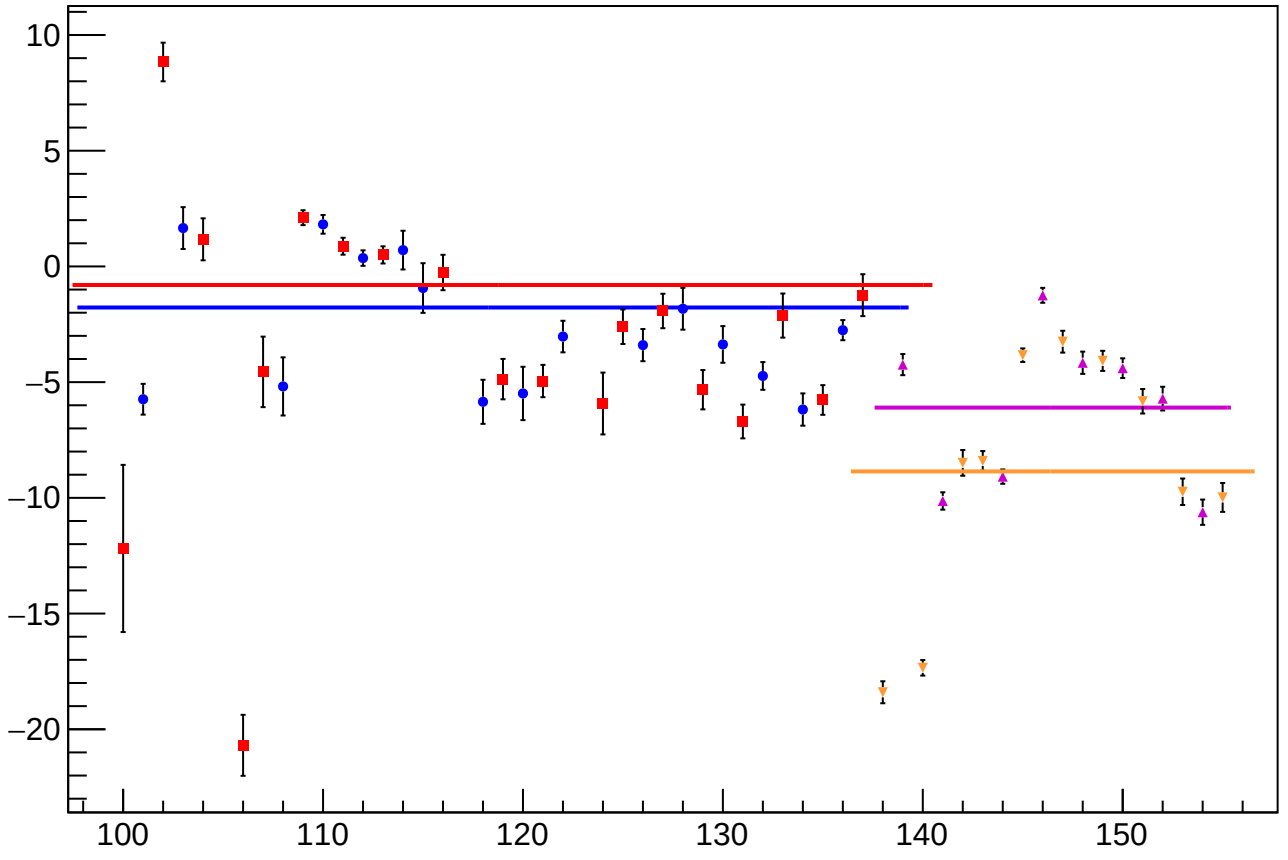
Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.146+/-0.002 χ^2/NDF:1196.7/7

+ sign -0.120+/-0.002 χ^2/NDF: 2657.7/25

All: -0.125+/-0.001 χ^2/NDF: 6655.3/52

- sign -0.129+/-0.002 χ^2/NDF: 3986.4/26



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.858+/-0.138 χ^2/NDF:1639.9/9

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

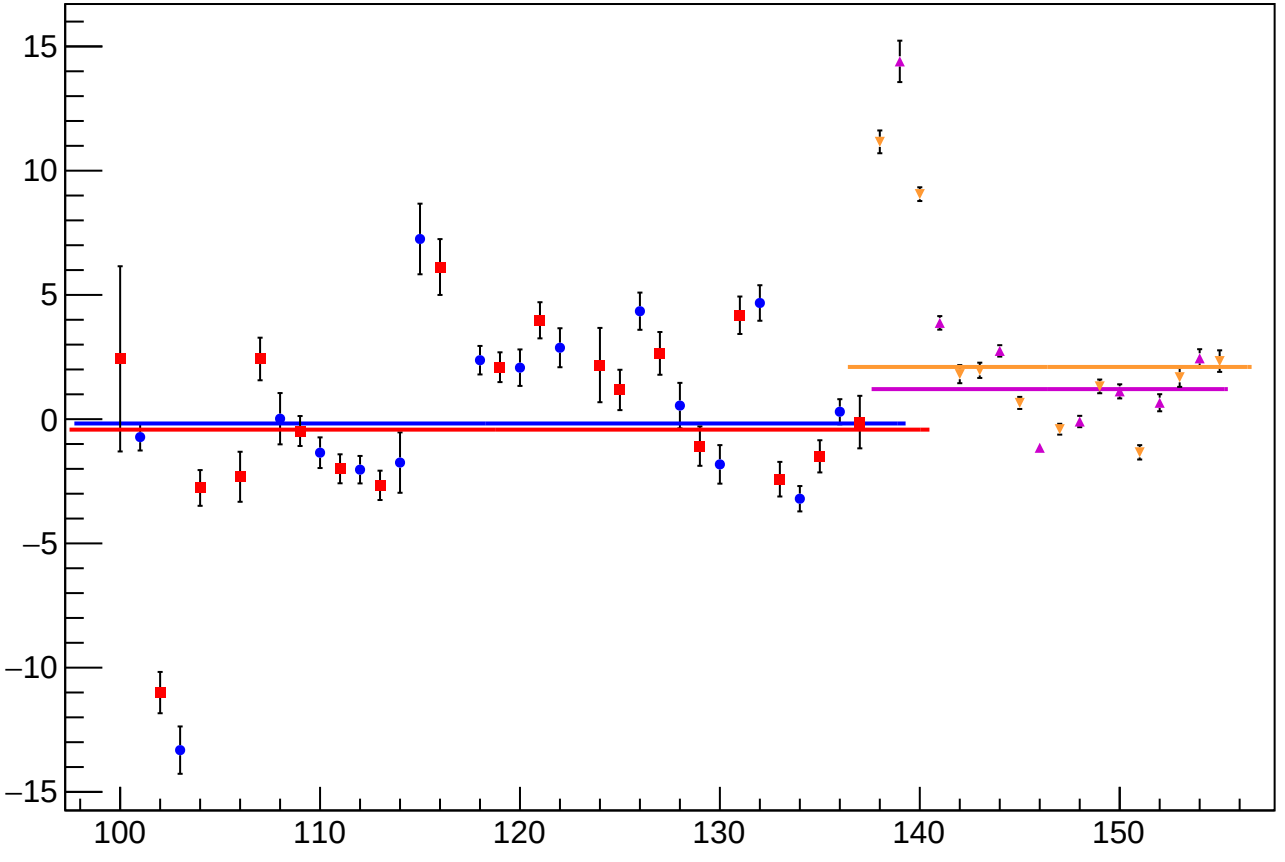
Left In: -6.100+/-0.143 χ^2/NDF:552.1/7

+ sign -5.779+/-0.104 χ^2/NDF: 3086.2/25

All: -4.656+/-0.073 χ^2/NDF: 5266.3/52

- sign -3.548+/-0.103 χ^2/NDF: 1946.8/26

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.101+/-0.095 χ^2/NDF:1340.5/9

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

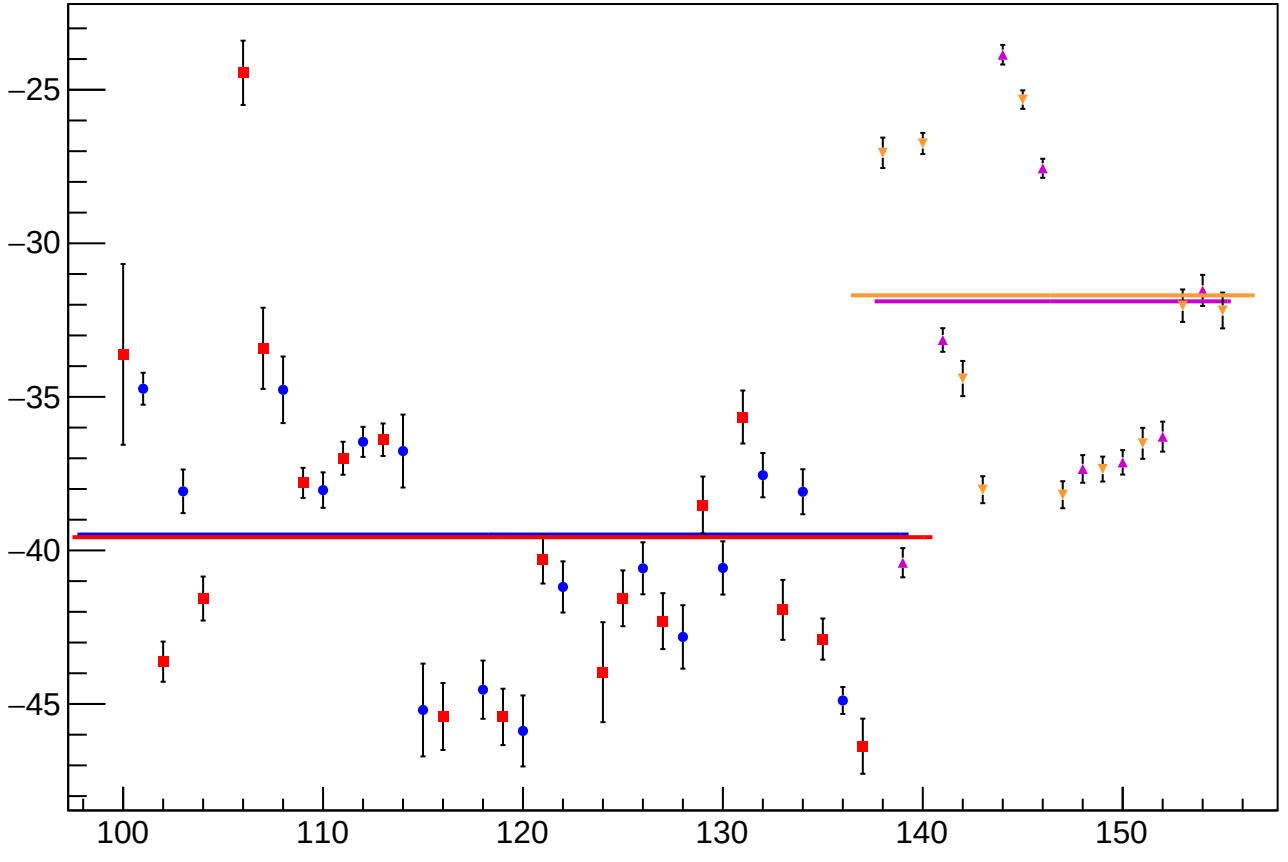
Left In: 1.209+/-0.096 χ^2/NDF:585.3/7

+ sign 1.575+/-0.083 χ^2/NDF: 1876.6/25

All: 1.213+/-0.059 χ^2/NDF: 2932.3/52

- sign 0.838+/-0.085 χ^2/NDF: 1017.0/26

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.694+/-0.137 χ^2/NDF:1475.4/9

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

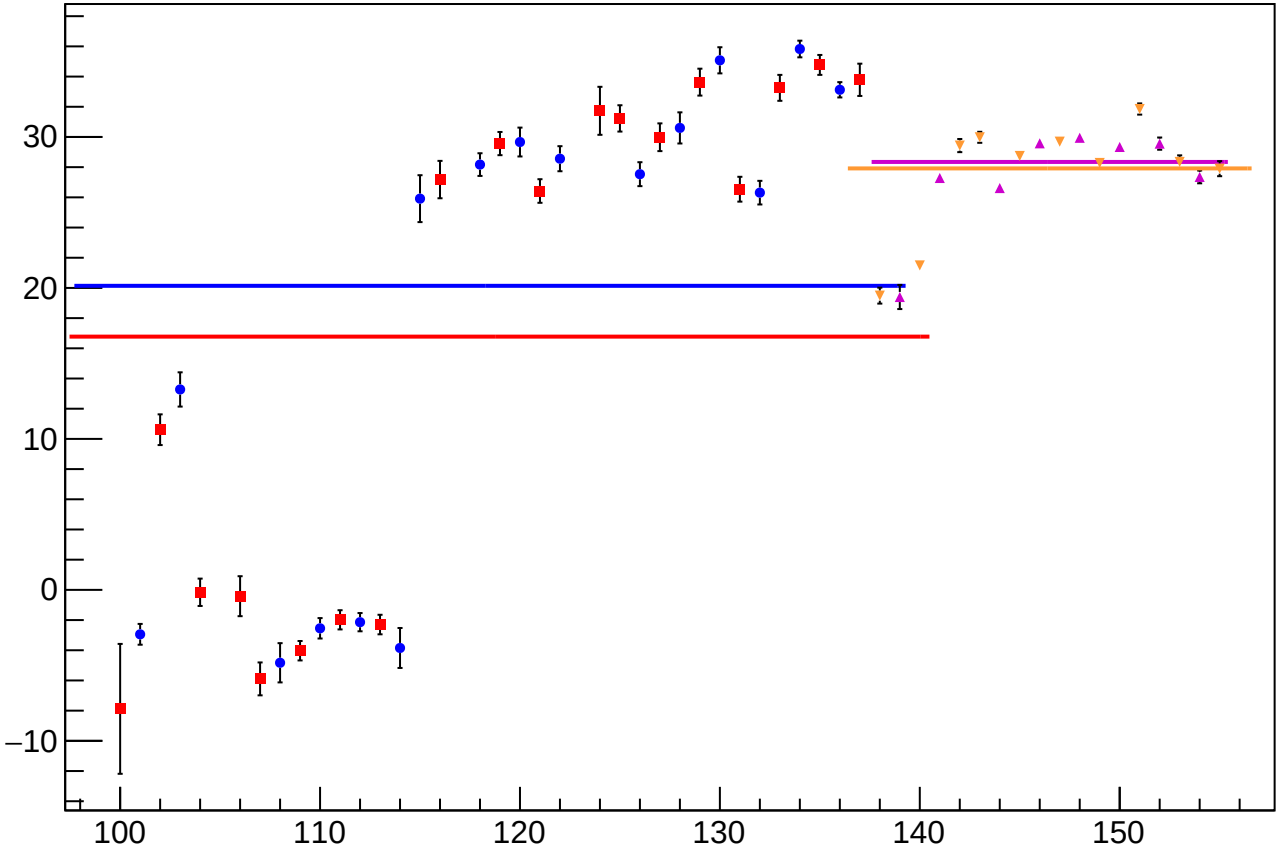
Left In: -31.889+/-0.140 χ^2/NDF:1559.0/7

+ sign -34.542+/-0.109 χ^2/NDF: 3069.7/25

All: -34.657+/-0.078 χ^2/NDF: 6308.3/52

- sign -34.777+/-0.111 χ^2/NDF: 3236.3/26

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.917+/-0.115 χ^2/NDF:829.7/9

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

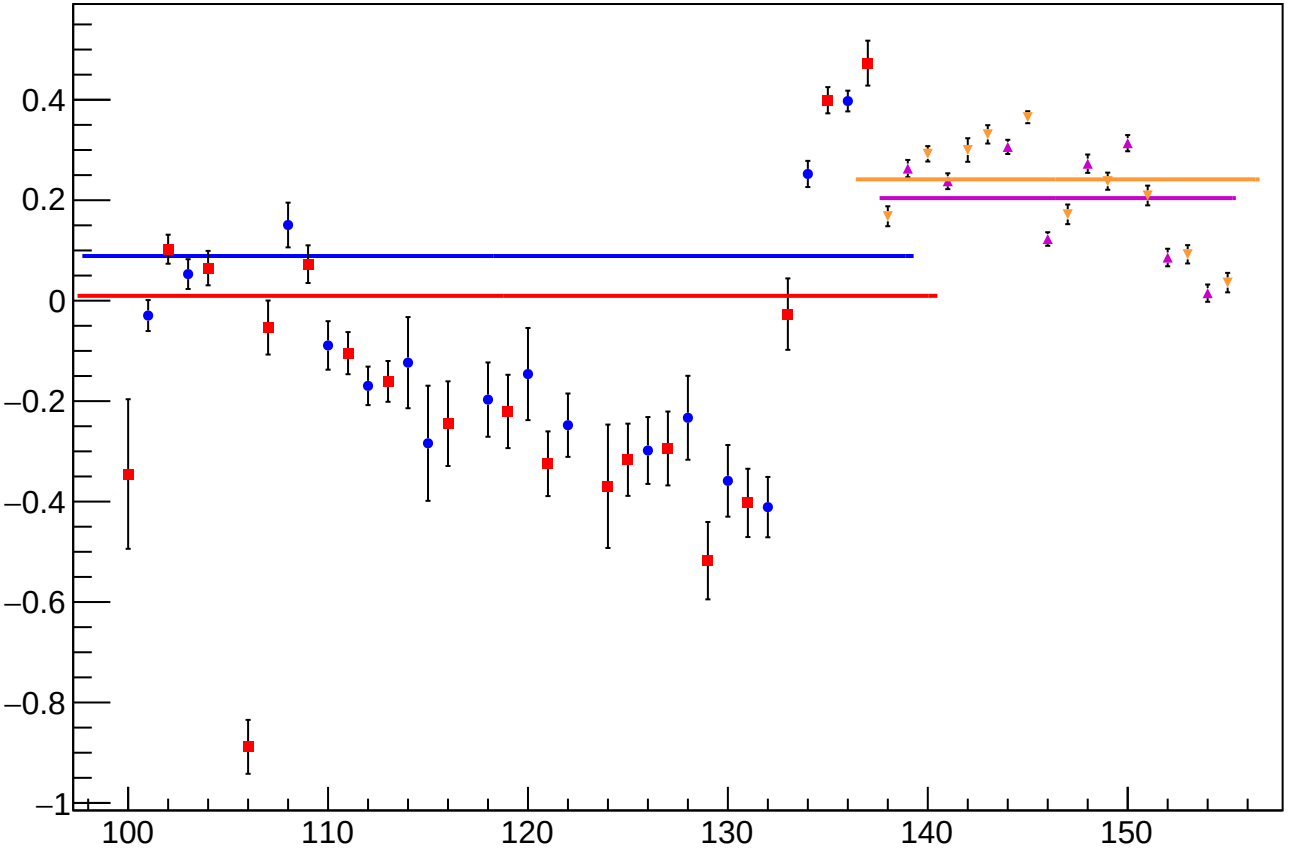
Left In: 28.346+/-0.117 χ^2/NDF:252.3/7

+ sign 25.898+/-0.099 χ^2/NDF: 8695.4/25

All: 25.644+/-0.071 χ^2/NDF: 18197.0/52

- sign 25.382+/-0.101 χ^2/NDF: 9488.2/26

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.242+/-0.006 χ^2/NDF:357.0/9

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

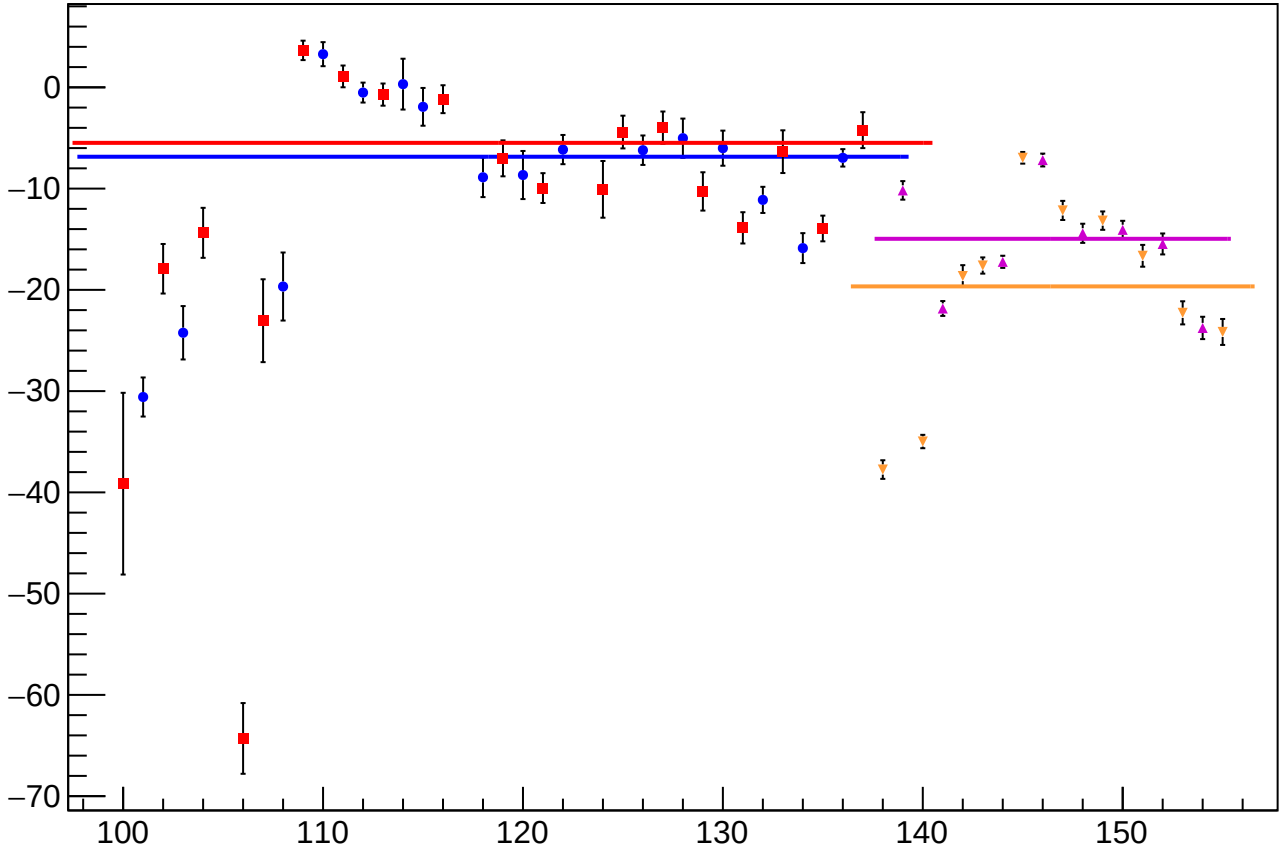
Left In: 0.204+/-0.006 χ^2/NDF:331.6/7

+ sign 0.208+/-0.005 χ^2/NDF: 1088.8/25

All: 0.187+/-0.003 χ^2/NDF: 2542.6/52

- sign 0.164+/-0.005 χ^2/NDF: 1413.6/26

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.659+/-0.272 χ^2/NDF:1558.1/9

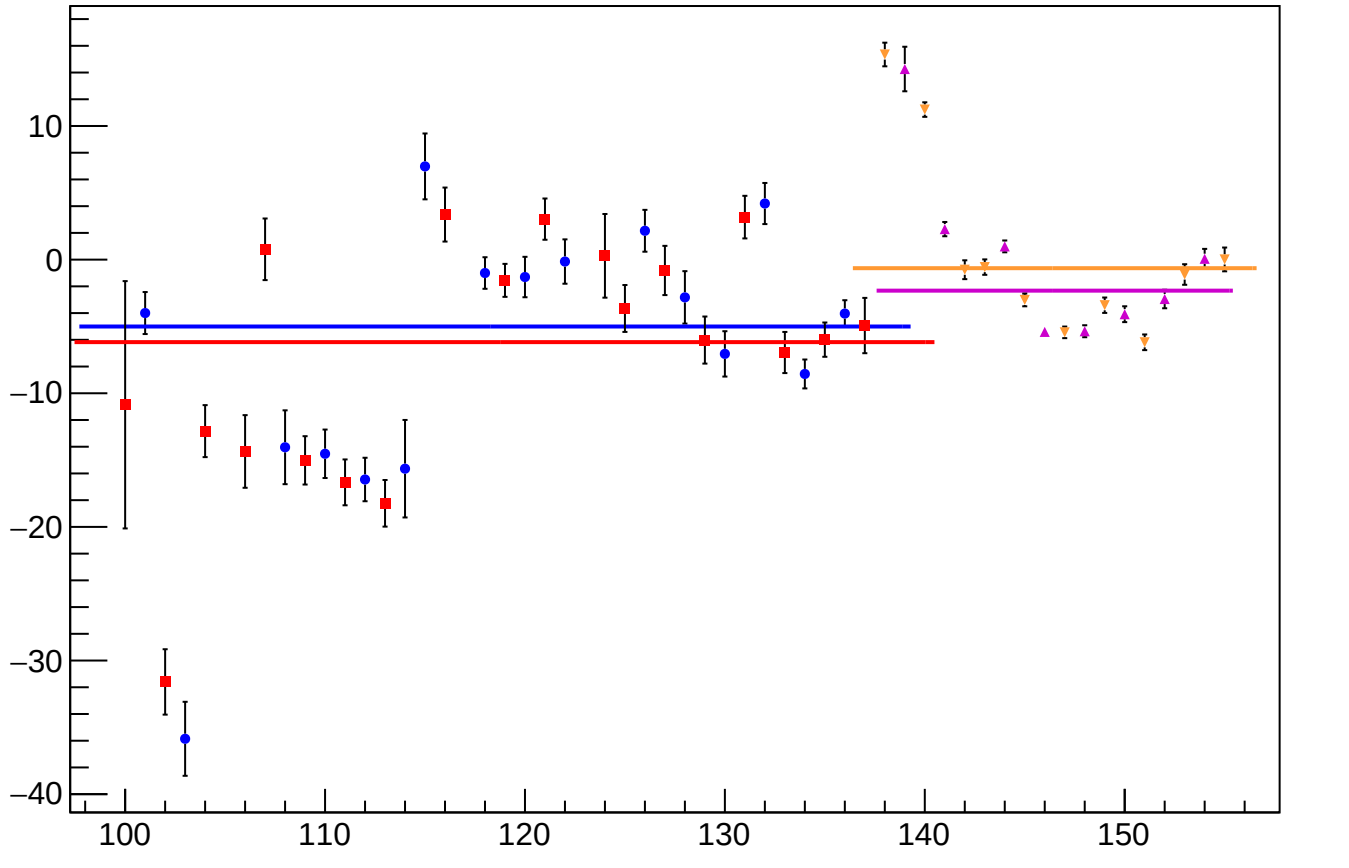
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.958+/-0.284 χ^2/NDF:344.7/7

+ sign -15.246+/-0.220 χ^2/NDF: 2710.1/25

All: -13.380+/-0.157 χ^2/NDF: 4222.0/52

- sign -11.440+/-0.225 χ^2/NDF: 1365.9/26



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.640+/-0.188 χ^2/NDF:1063.2/9

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

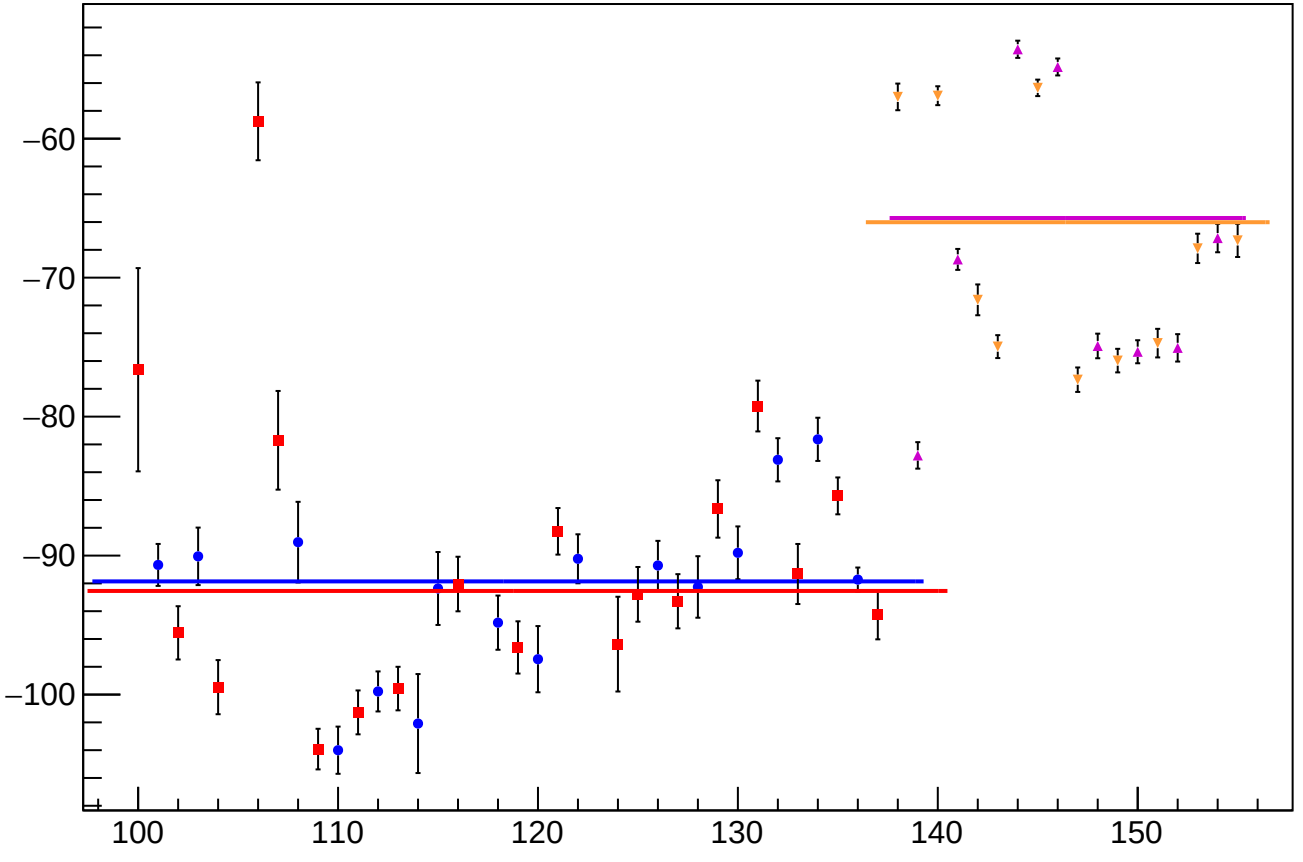
Left In: -2.321+/-0.190 χ^2/NDF:362.8/7

+ sign -1.446+/-0.170 χ^2/NDF: 1504.3/25

All: -2.201+/-0.121 χ^2/NDF: 2347.4/52

- sign -2.983+/-0.173 χ^2/NDF: 802.8/26

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -66.012+/-0.271 χ^2/NDF:1057.0/9

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

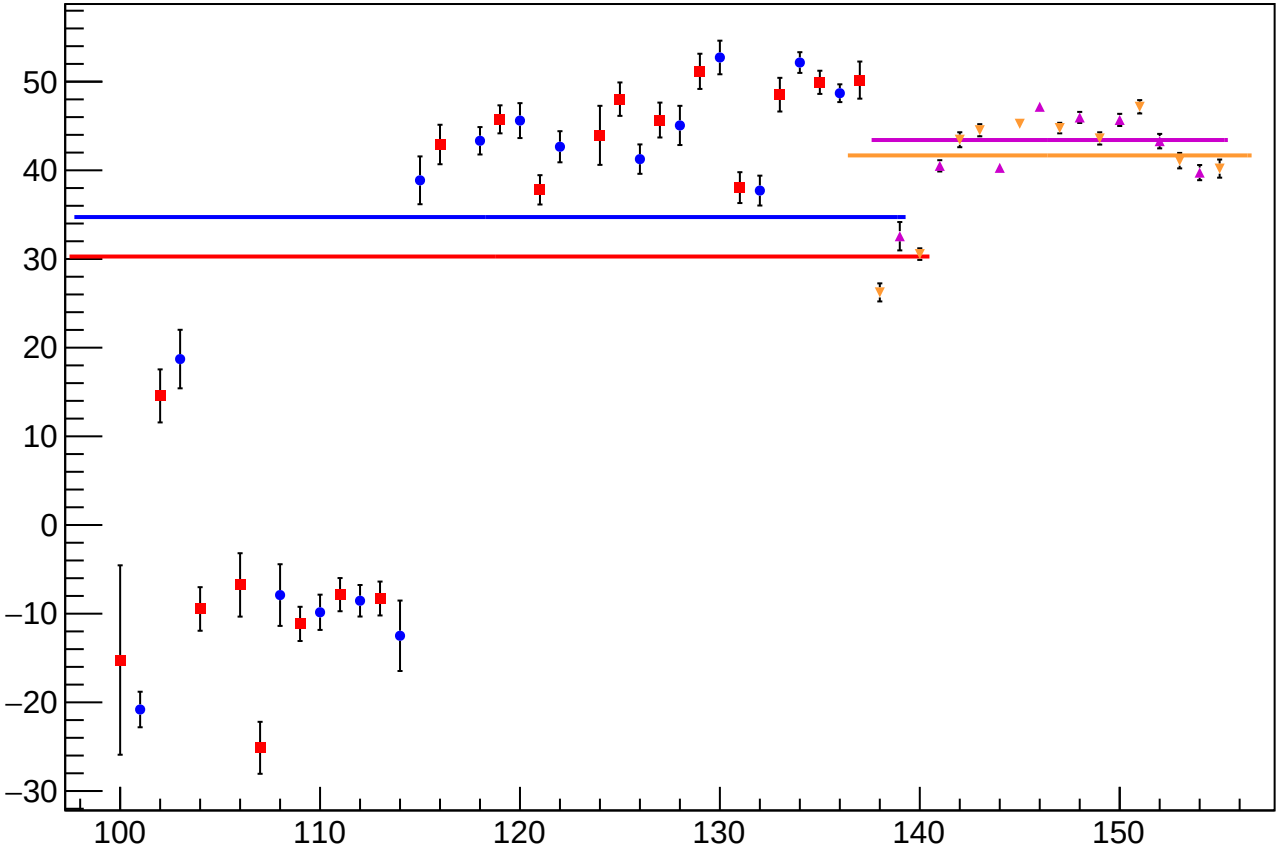
Left In: -65.709+/-0.279 χ^2/NDF:1372.6/7

+ sign -73.508+/-0.228 χ^2/NDF: 3871.5/25

All: -73.463+/-0.164 χ^2/NDF: 8292.3/52

- sign -73.416+/-0.235 χ^2/NDF: 4420.7/26

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.680+/-0.229 χ^2/NDF:672.8/9

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

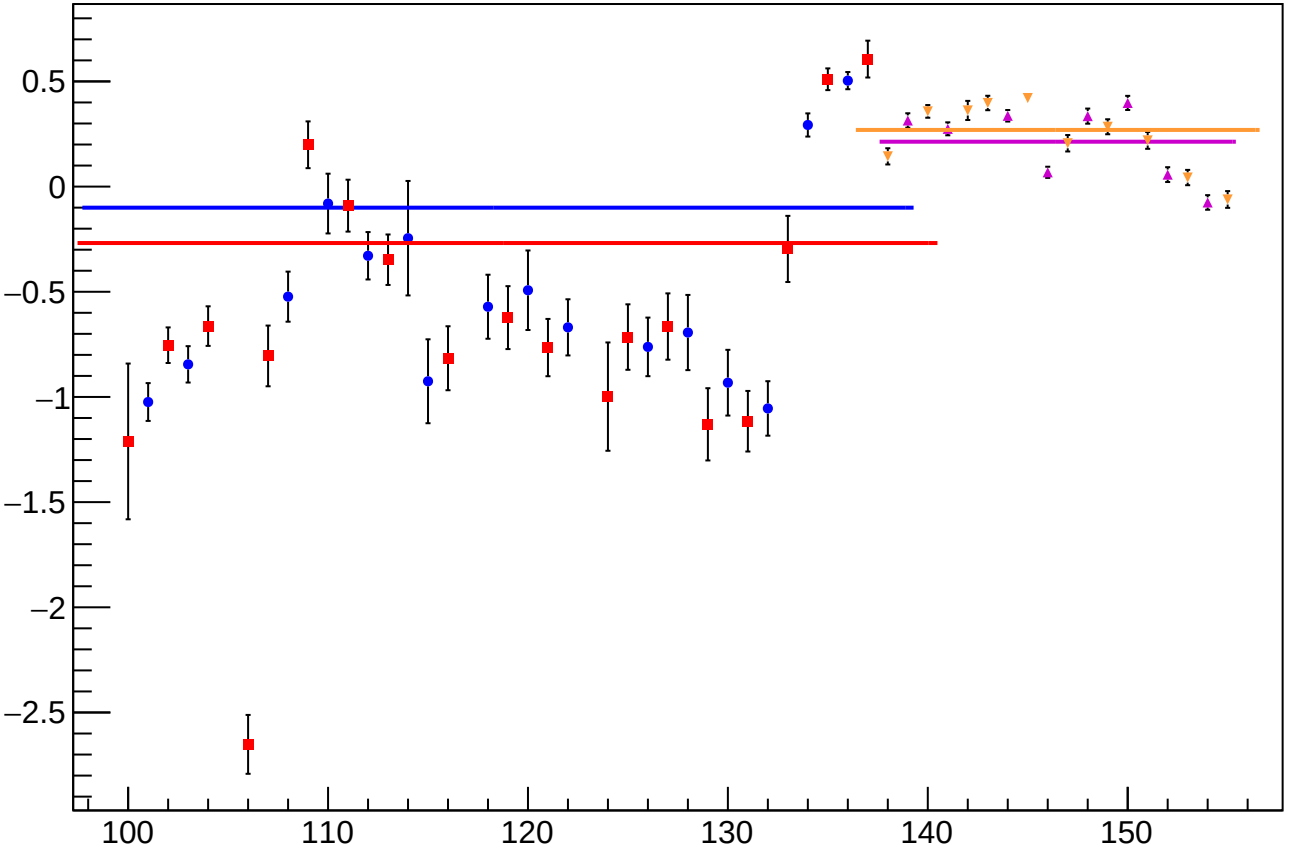
Left In: 43.418+/-0.232 χ^2/NDF:212.8/7

+ sign 40.213+/-0.203 χ^2/NDF: 3677.1/25

All: 40.512+/-0.145 χ^2/NDF: 7440.5/52

- sign 40.824+/-0.208 χ^2/NDF: 3759.0/26

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.269+/-0.011 χ^2/NDF:190.8/9

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

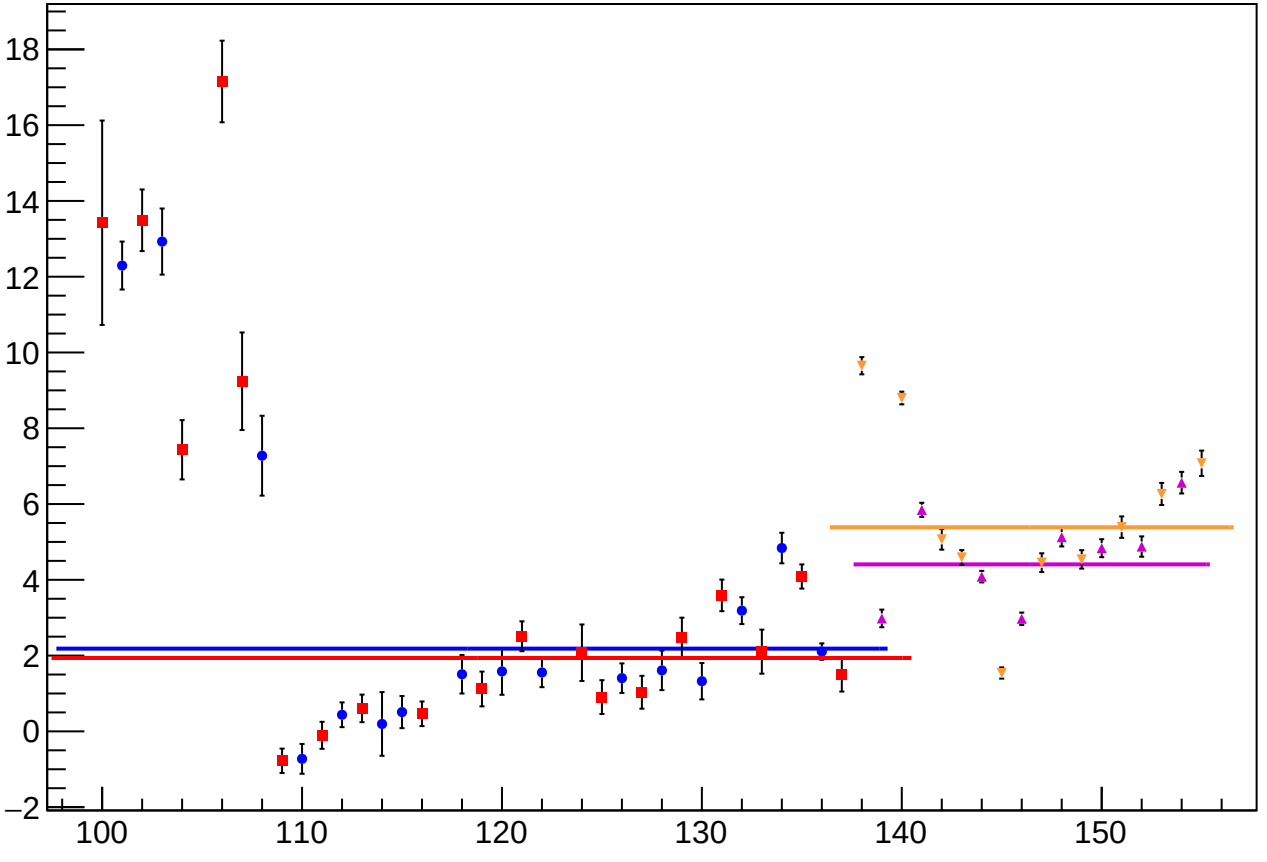
Left In: 0.213+/-0.011 χ^2/NDF:193.2/7

+ sign 0.206+/-0.010 χ^2/NDF: 1018.3/25

All: 0.174+/-0.007 χ^2/NDF: 2338.5/52

- sign 0.139+/-0.010 χ^2/NDF: 1298.6/26

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: 5.387+/-0.070 χ^2/NDF:1513.3/9

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

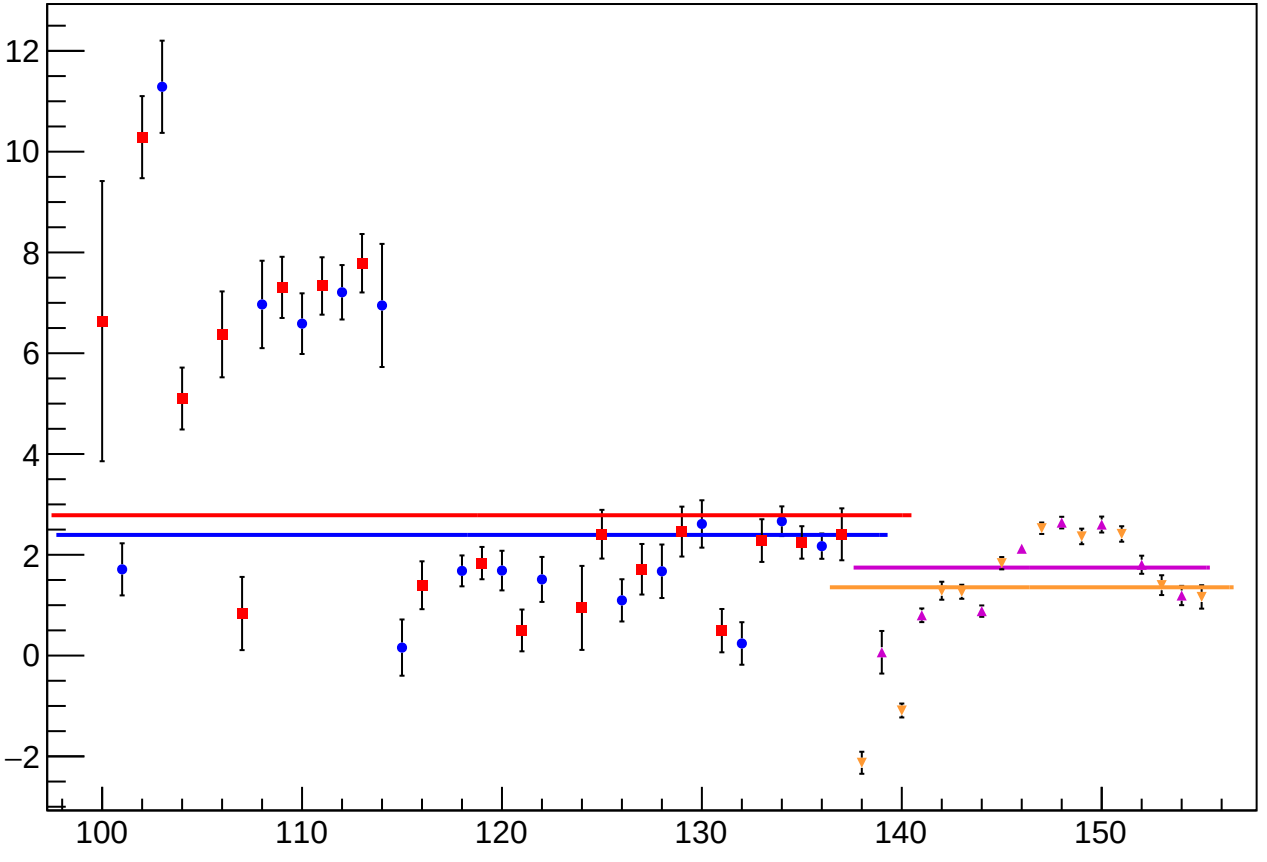
Left In: 4.407+/-0.073 χ^2/NDF:250.7/7

\+ sign 4.409+/-0.058 χ^2/NDF: 2759.3/25

All: 4.022+/-0.042 χ^2/NDF: 4190.7/52

\- sign 3.608+/-0.060 χ^2/NDF: 1339.2/26

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.355+/-0.048 χ^2/NDF:779.9/9

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

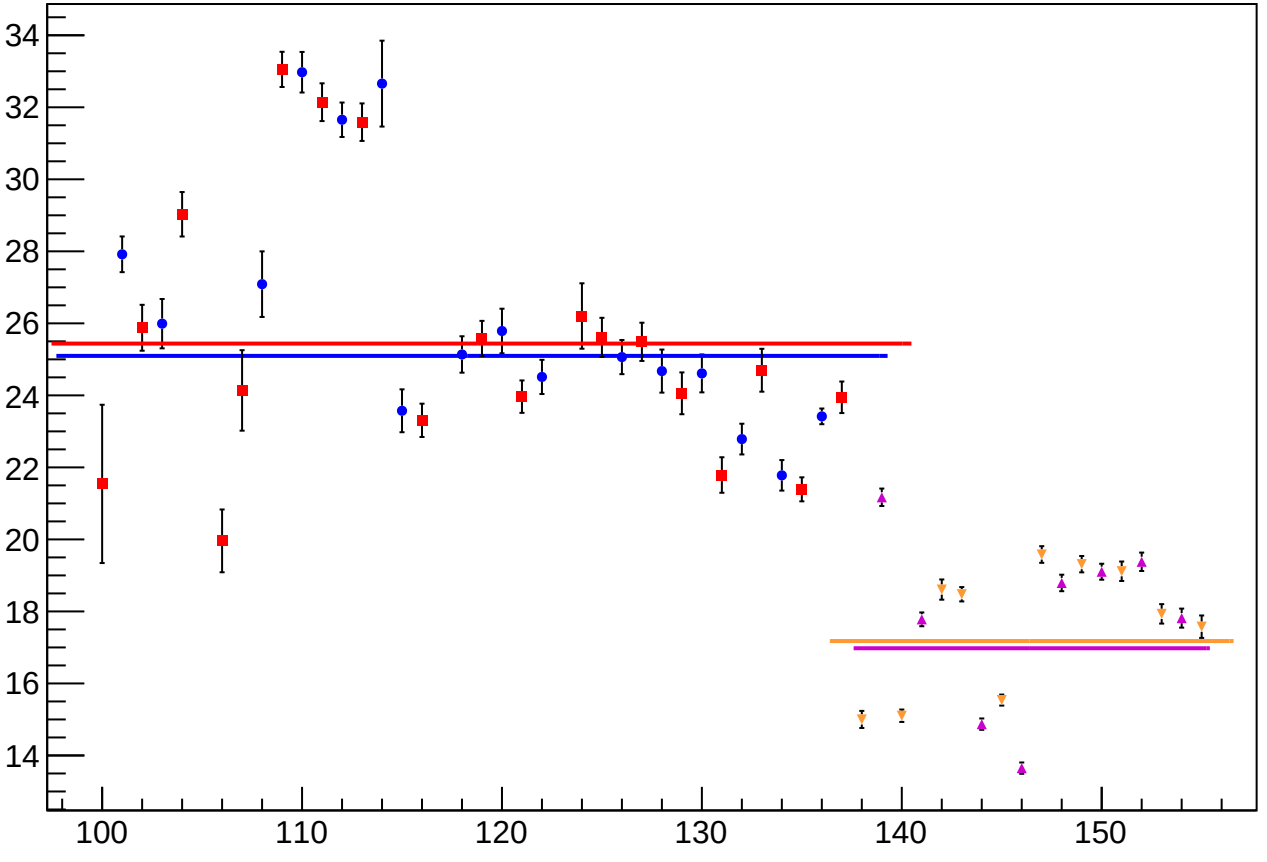
Left In: 1.746+/-0.049 χ^2/NDF:236.0/7

+ sign 1.527+/-0.044 χ^2/NDF: 1190.6/25

All: 1.711+/-0.031 χ^2/NDF: 1941.3/52

- sign 1.902+/-0.045 χ^2/NDF: 715.3/26

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: 17.177+/-0.069 χ^2/NDF:669.5/9

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

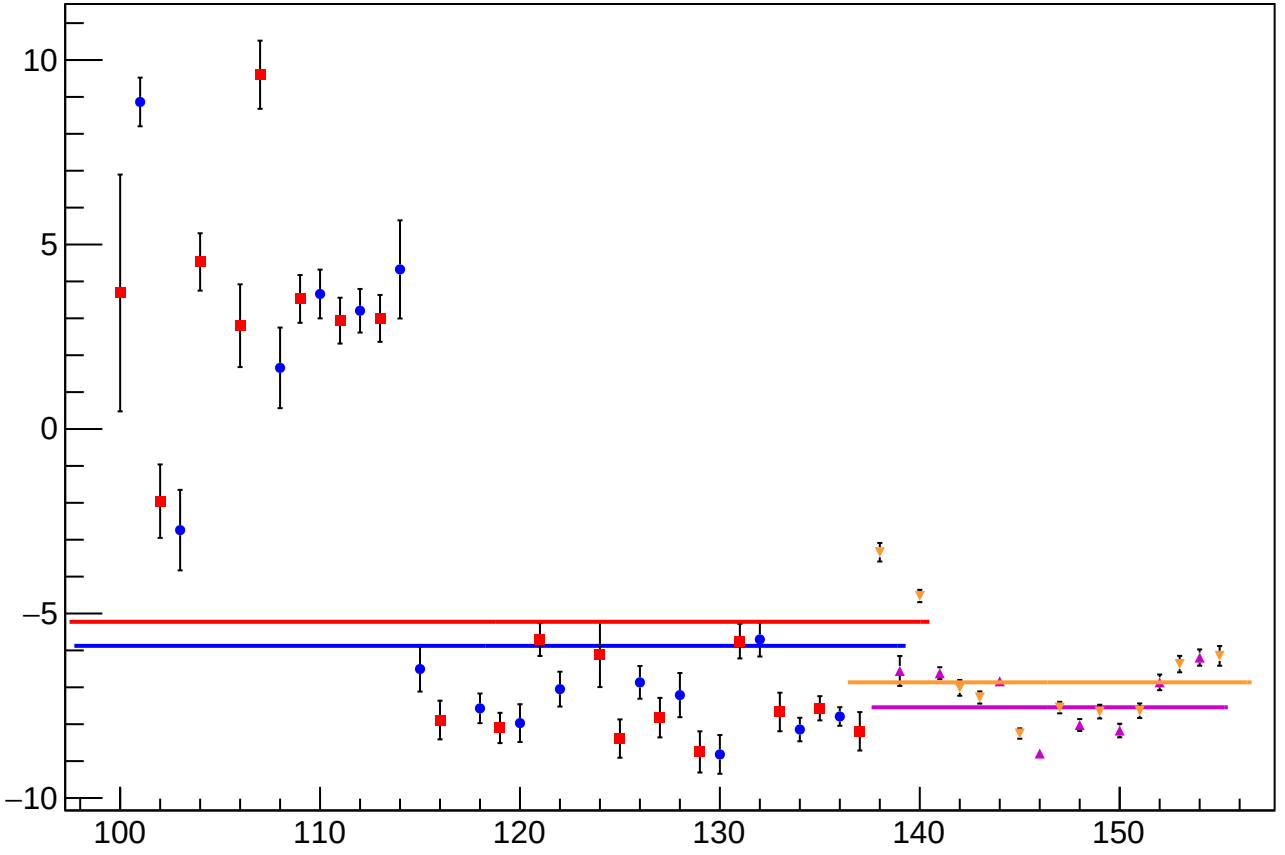
Left In: 16.977+/-0.072 χ^2/NDF:1197.9/7

+ sign 19.223+/-0.060 χ^2/NDF: 4659.2/25

All: 19.164+/-0.043 χ^2/NDF: 10223.3/52

- sign 19.100+/-0.062 χ^2/NDF: 5562.1/26

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.865+/-0.059 χ^2/NDF:563.2/9

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

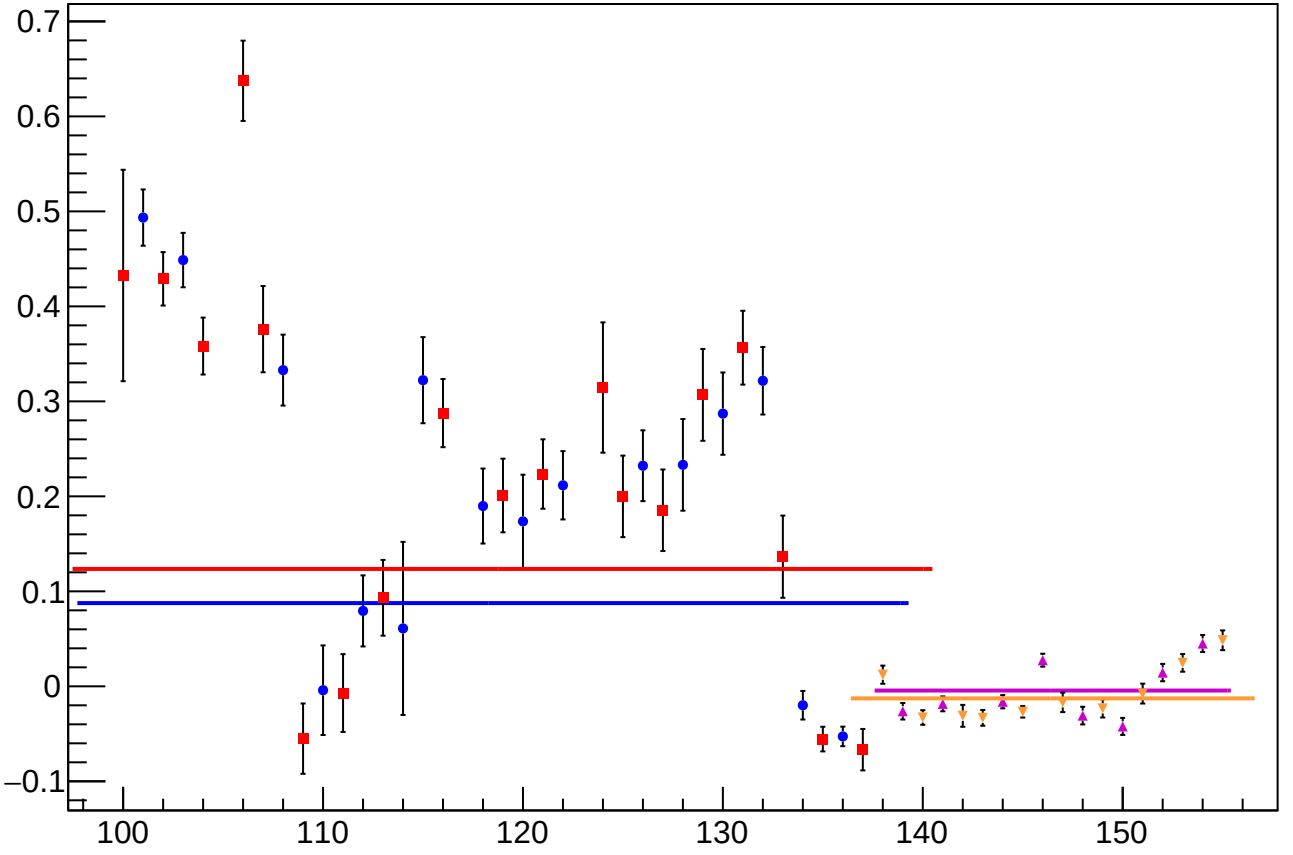
Left In: -7.542+/-0.060 χ^2/NDF:244.2/7

+ sign -6.677+/-0.053 χ^2/NDF: 1869.0/25

All: -6.901+/-0.038 χ^2/NDF: 3706.9/52

- sign -7.137+/-0.054 χ^2/NDF: 1800.7/26

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: -0.013+/-0.003 χ^2/NDF:80.1/9

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

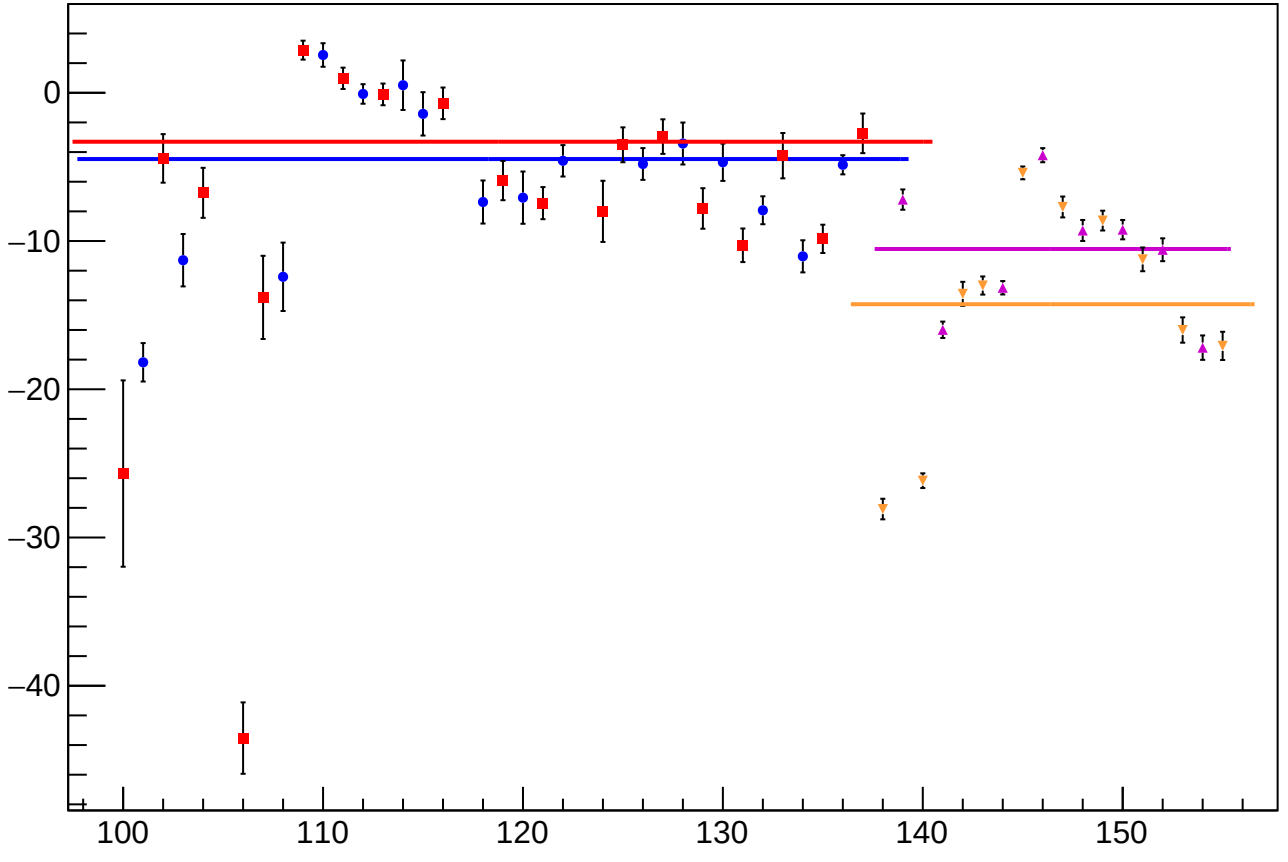
Left In: -0.004+/-0.003 χ^2/NDF:94.8/7

+ sign 0.003+/-0.003 χ^2/NDF: 1044.2/25

All: 0.008+/-0.002 χ^2/NDF: 2172.7/52

- sign 0.013+/-0.003 χ^2/NDF: 1121.1/26

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.264+/-0.204 χ^2/NDF:1580.2/9

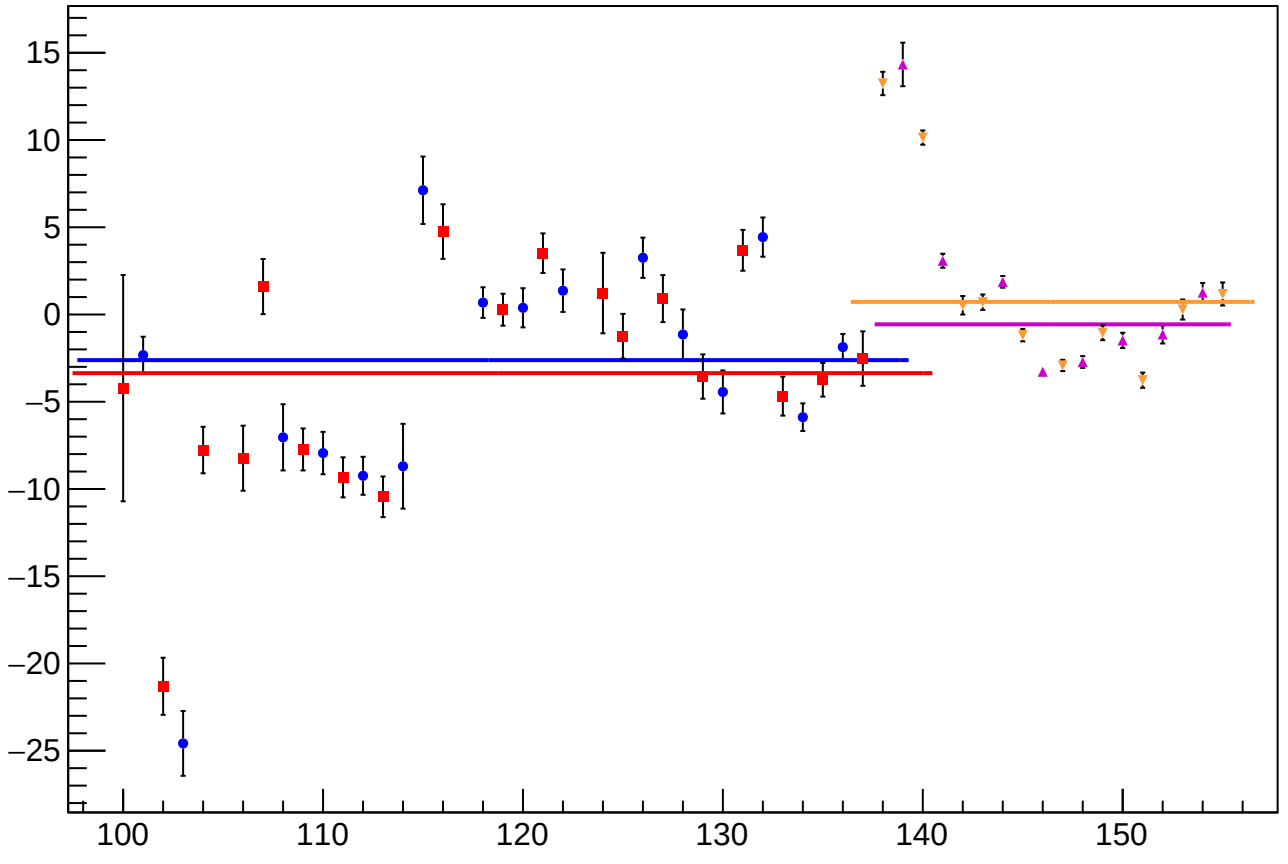
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.536+/-0.212 χ^2/NDF:403.3/7

+ sign -10.671+/-0.163 χ^2/NDF: 2754.7/25

All: -9.181+/-0.116 χ^2/NDF: 4375.5/52

- sign -7.652+/-0.165 χ^2/NDF: 1450.5/26



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.723+/-0.141 χ^2/NDF:1158.5/9

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

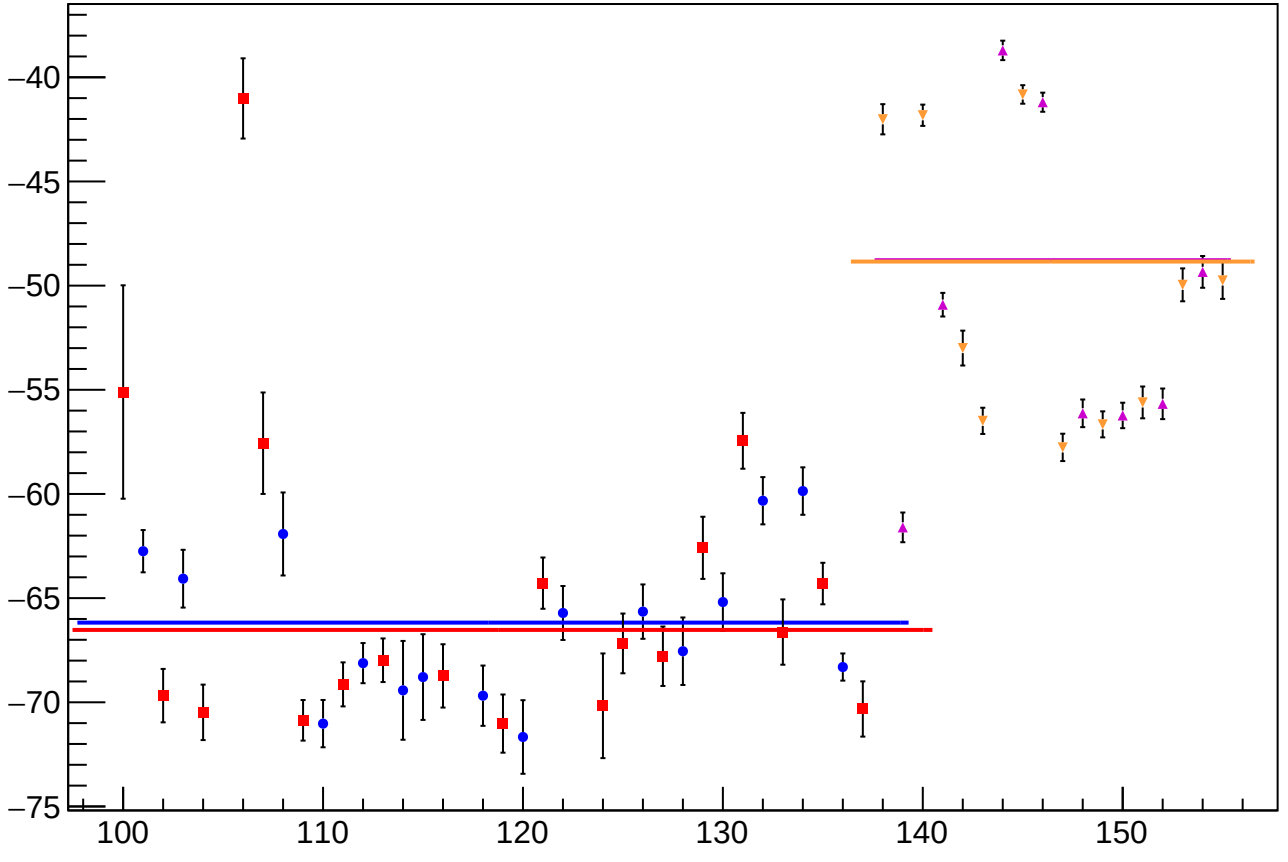
Left In: -0.564+/-0.142 χ^2/NDF:427.4/7

+ sign 0.070+/-0.126 χ^2/NDF: 1620.2/25

All: -0.496+/-0.090 χ^2/NDF: 2519.5/52

- sign -1.081+/-0.129 χ^2/NDF: 858.4/26

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -48.845+/-0.203 χ^2/NDF:1198.3/9

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

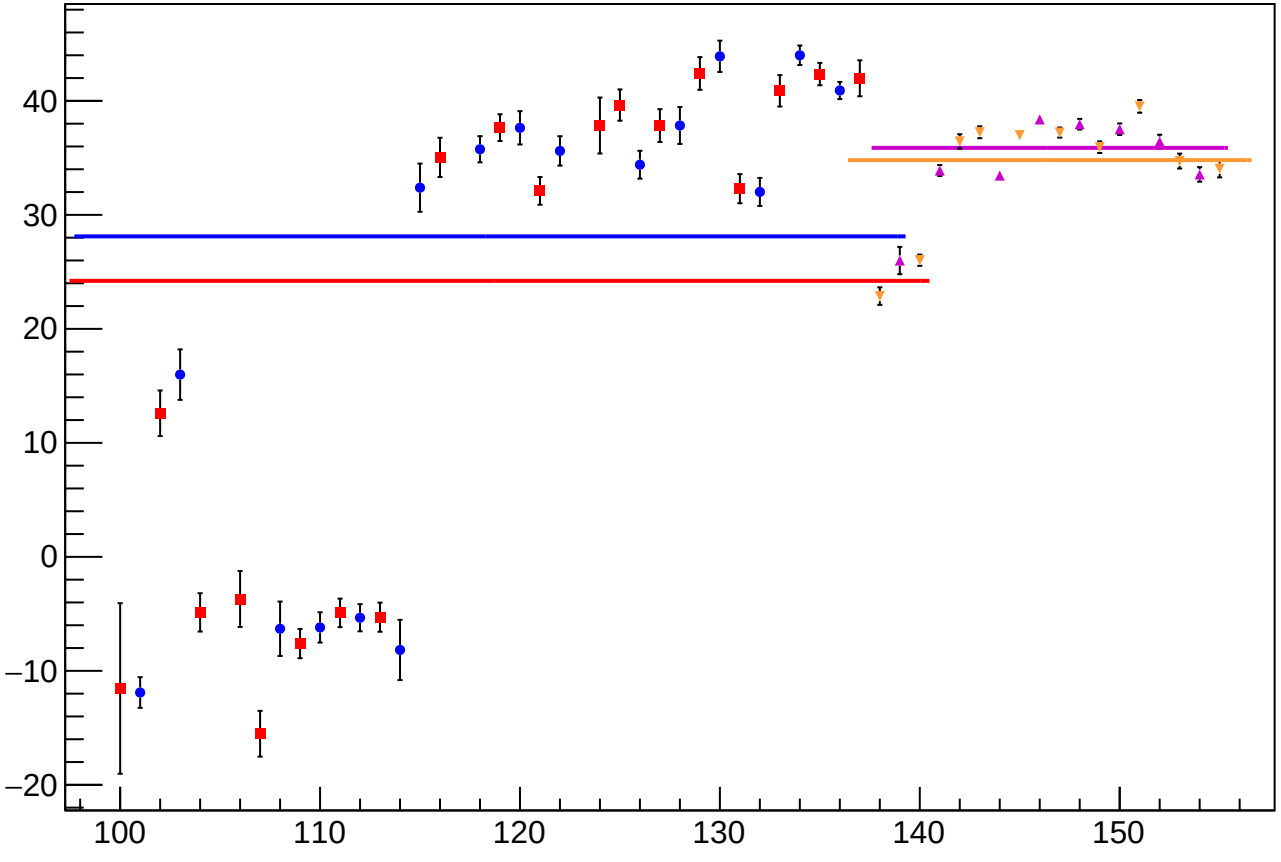
Left In: -48.778+/-0.209 χ^2/NDF:1436.1/7

+ sign -54.188+/-0.169 χ^2/NDF: 3570.8/25

All: -54.221+/-0.121 χ^2/NDF: 7559.0/52

- sign -54.257+/-0.174 χ^2/NDF: 3988.1/26

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.803+/-0.171 χ^2/NDF:720.5/9

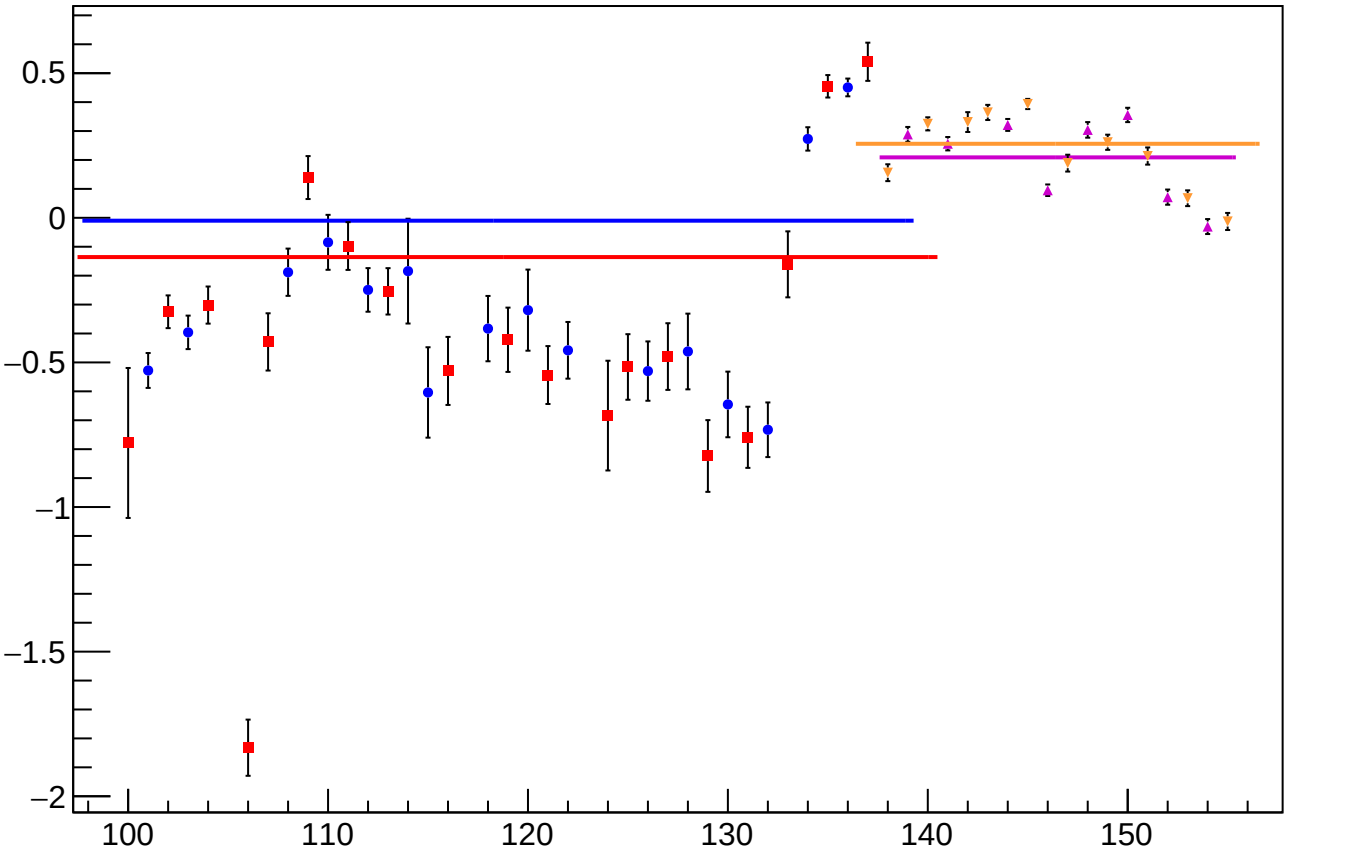
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.879+/-0.174 χ^2/NDF:217.5/7

\+ sign 33.313+/-0.151 χ^2/NDF: 4788.1/25

All: 33.362+/-0.108 χ^2/NDF: 9800.7/52

\- sign 33.414+/-0.154 χ^2/NDF: 5012.4/26



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.256+/-0.008 χ^2/NDF:241.6/9

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

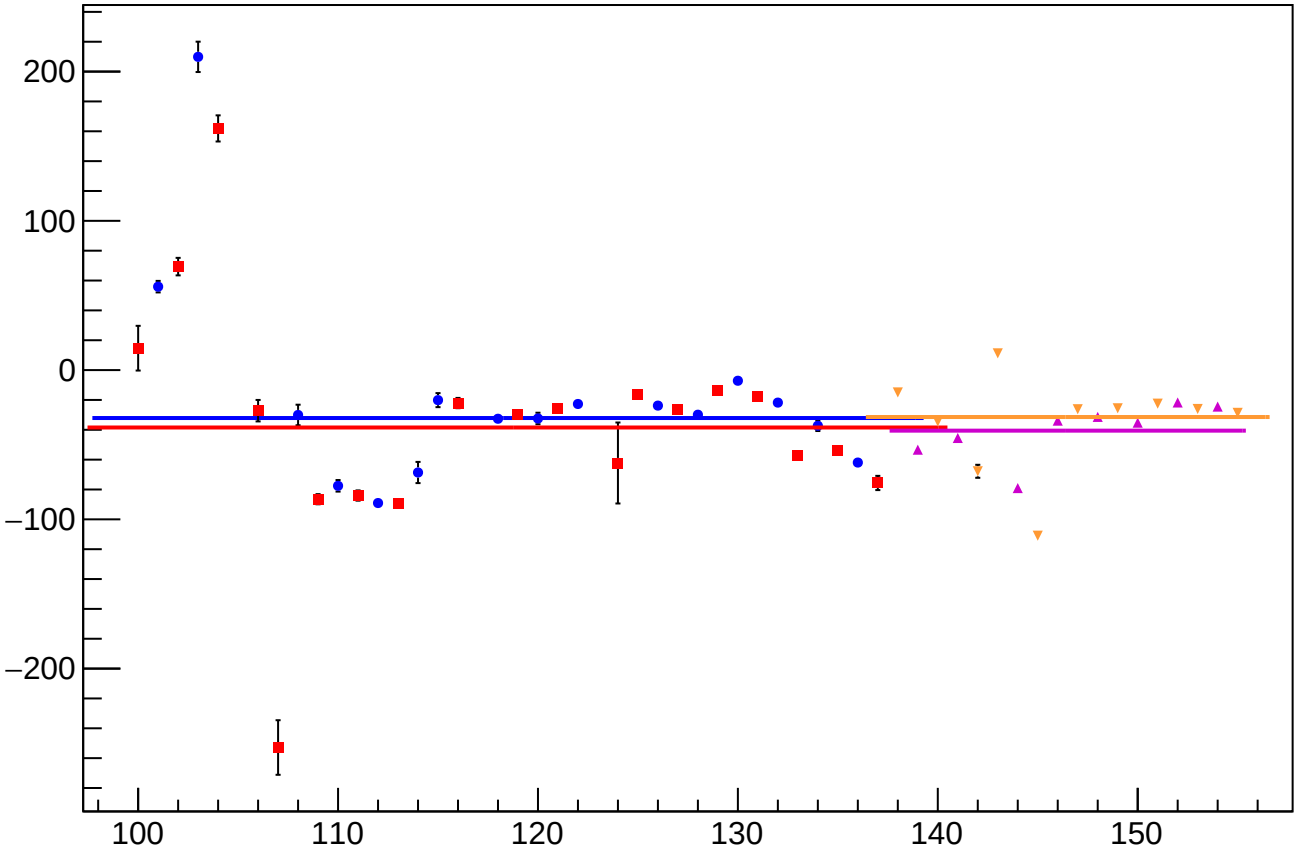
Left In: 0.209+/-0.008 χ^2/NDF:235.9/7

+ sign 0.207+/-0.007 χ^2/NDF: 1021.4/25

All: 0.181+/-0.005 χ^2/NDF: 2382.5/52

- sign 0.152+/-0.008 χ^2/NDF: 1333.9/26

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -31.444+/-0.932 χ^2/NDF:918.6/9

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

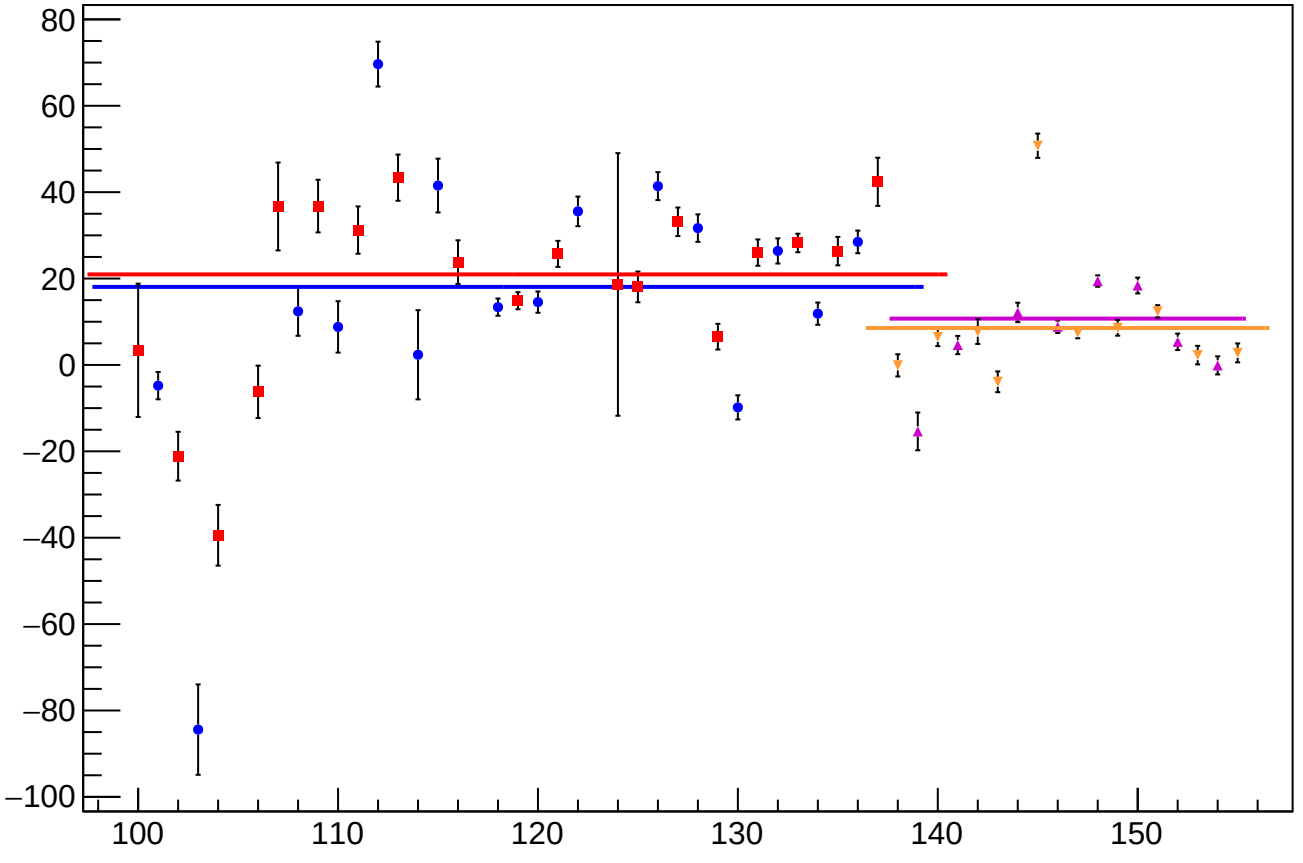
Left In: -40.573+/-0.981 χ^2/NDF:283.6/7

+ sign -31.814+/-0.625 χ^2/NDF: 2796.4/25

All: -35.458+/-0.450 χ^2/NDF: 5125.7/52

- sign -39.384+/-0.649 χ^2/NDF: 2258.7/26

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 8.547+/-0.618 χ^2/NDF:287.2/9

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

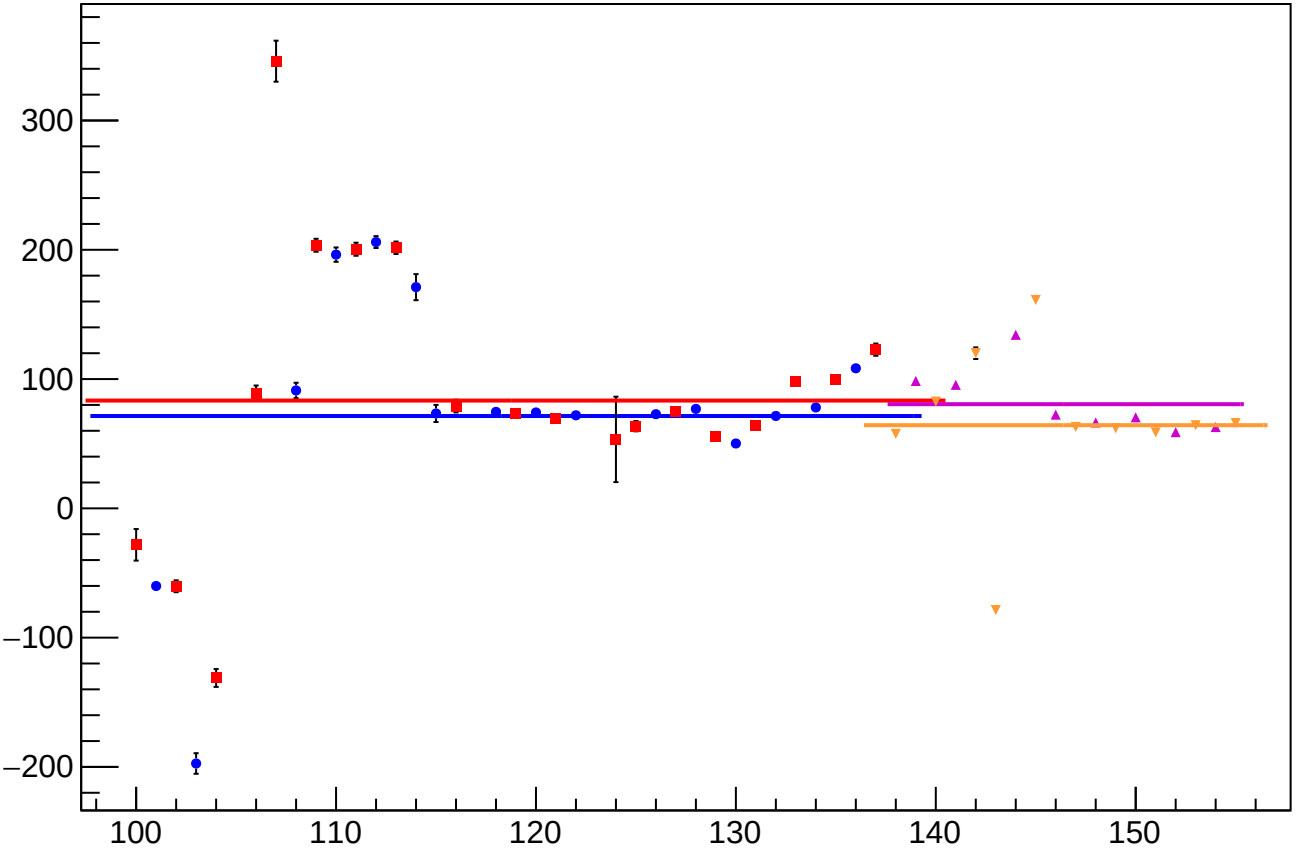
Left In: 10.723+/-0.657 χ^2/NDF:141.6/7

+ sign 11.985+/-0.494 χ^2/NDF: 872.3/25

All: 13.145+/-0.360 χ^2/NDF: 1376.7/52

- sign 14.447+/-0.524 χ^2/NDF: 492.7/26

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.330+/-0.912 χ^2/NDF:2876.4/9

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

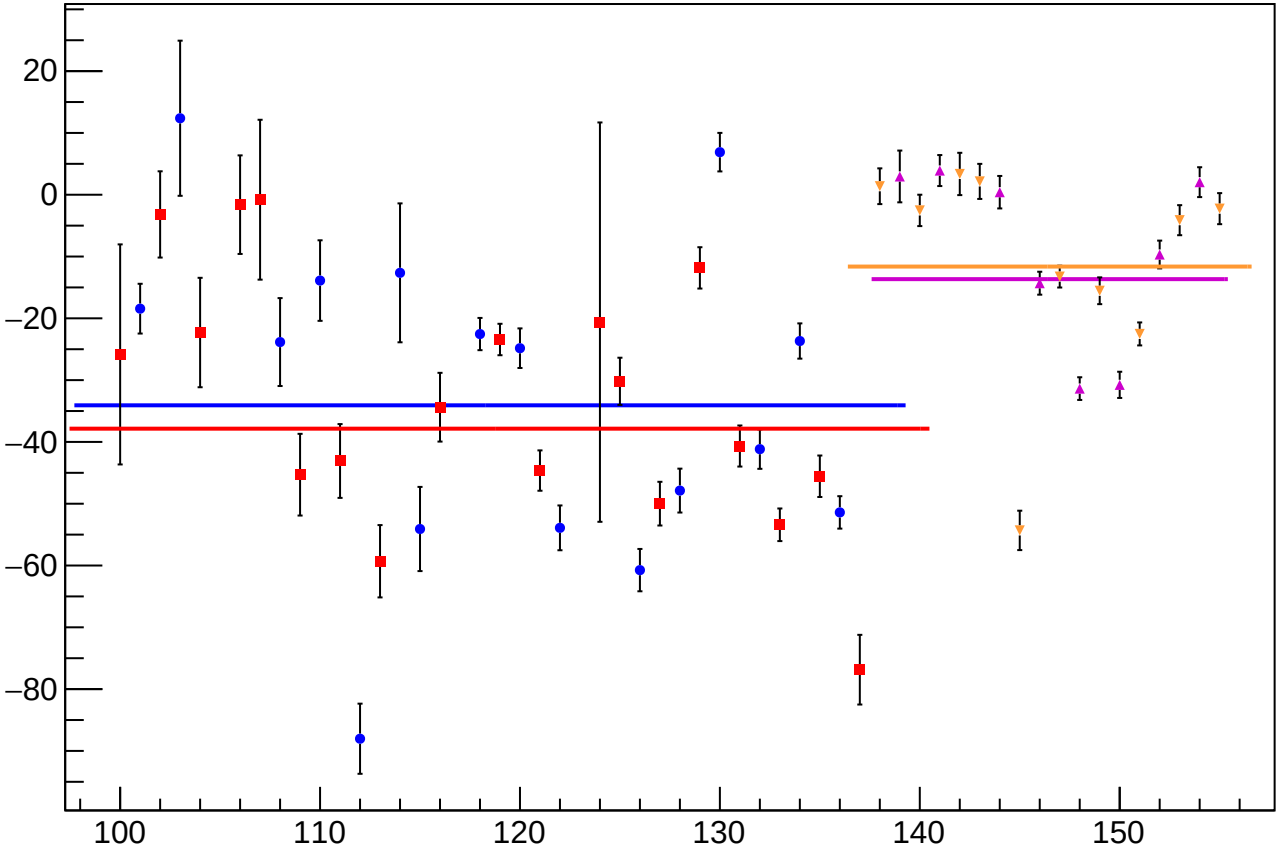
Left In: 80.567+/-0.957 χ^2/NDF:527.6/7

+ sign 67.803+/-0.652 χ^2/NDF: 7725.5/25

All: 74.502+/-0.473 χ^2/NDF: 12777.7/52

- sign 81.934+/-0.686 χ^2/NDF: 4829.2/26

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.624+/-0.760 χ^2/NDF:317.1/9

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

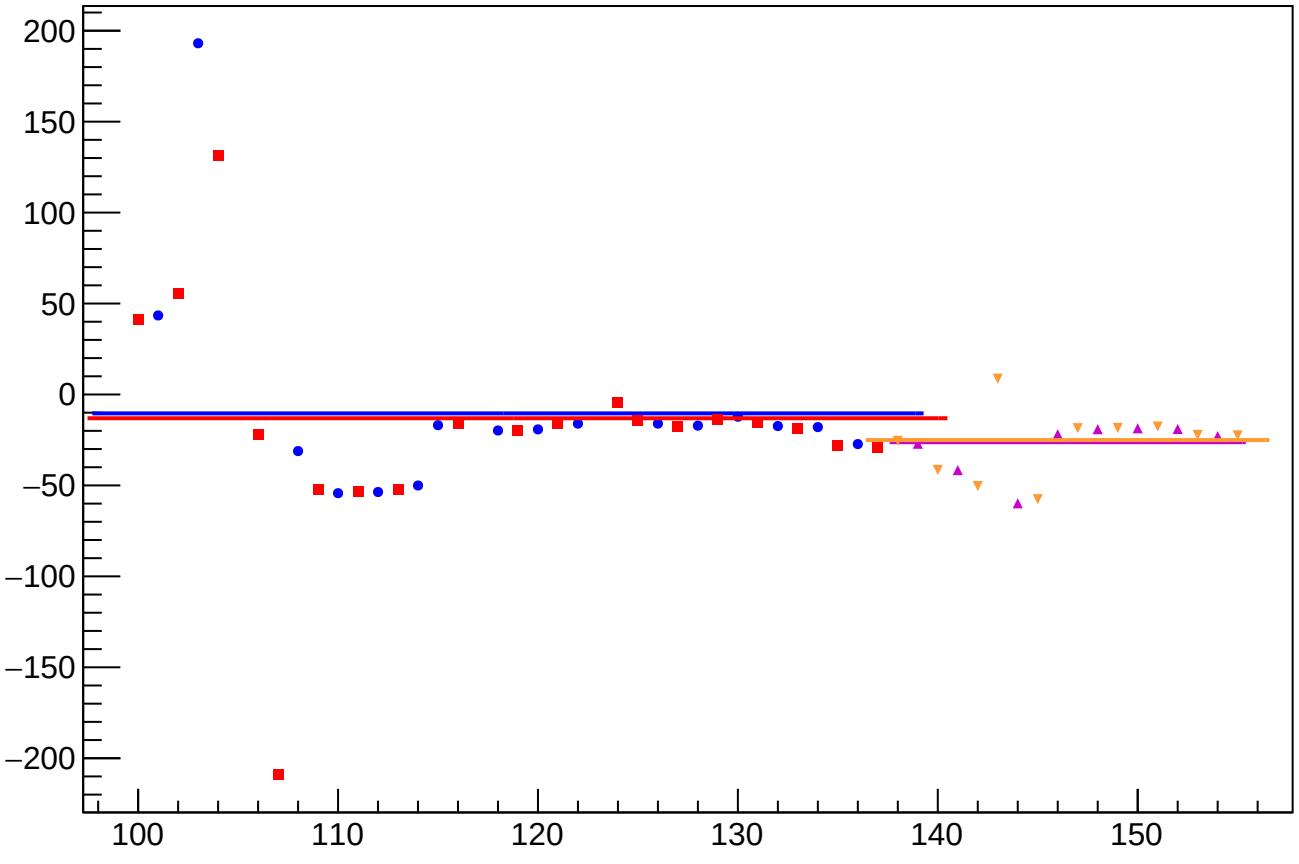
Left In: -13.659+/-0.806 χ^2/NDF:297.1/7

+ sign -20.471+/-0.591 χ^2/NDF: 1172.5/25

All: -21.786+/-0.430 χ^2/NDF: 2112.2/52

- sign -23.260+/-0.626 χ^2/NDF: 929.3/26

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -25.064+/-0.036 χ^2/NDF:174295.8/9

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

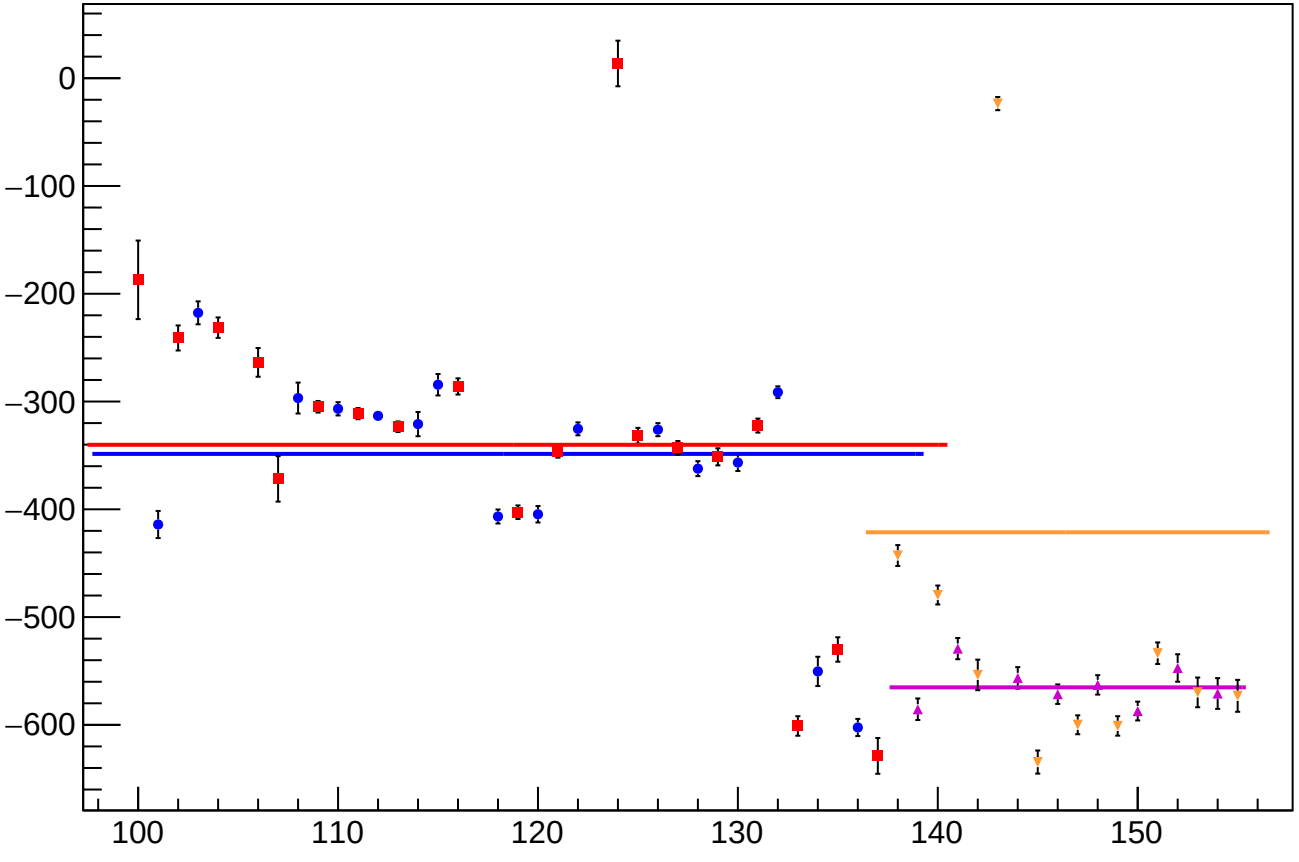
Left In: -26.226+/-0.037 χ^2/NDF:92322.8/7

\+ sign -20.862+/-0.030 χ^2/NDF: 744152.6/25

All: -21.787+/-0.022 χ^2/NDF: 1320668.4/52

\- sign -22.806+/-0.032 χ^2/NDF: 574574.4/26

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -421.337+/-3.028 χ^2/NDF:5910.8/9

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

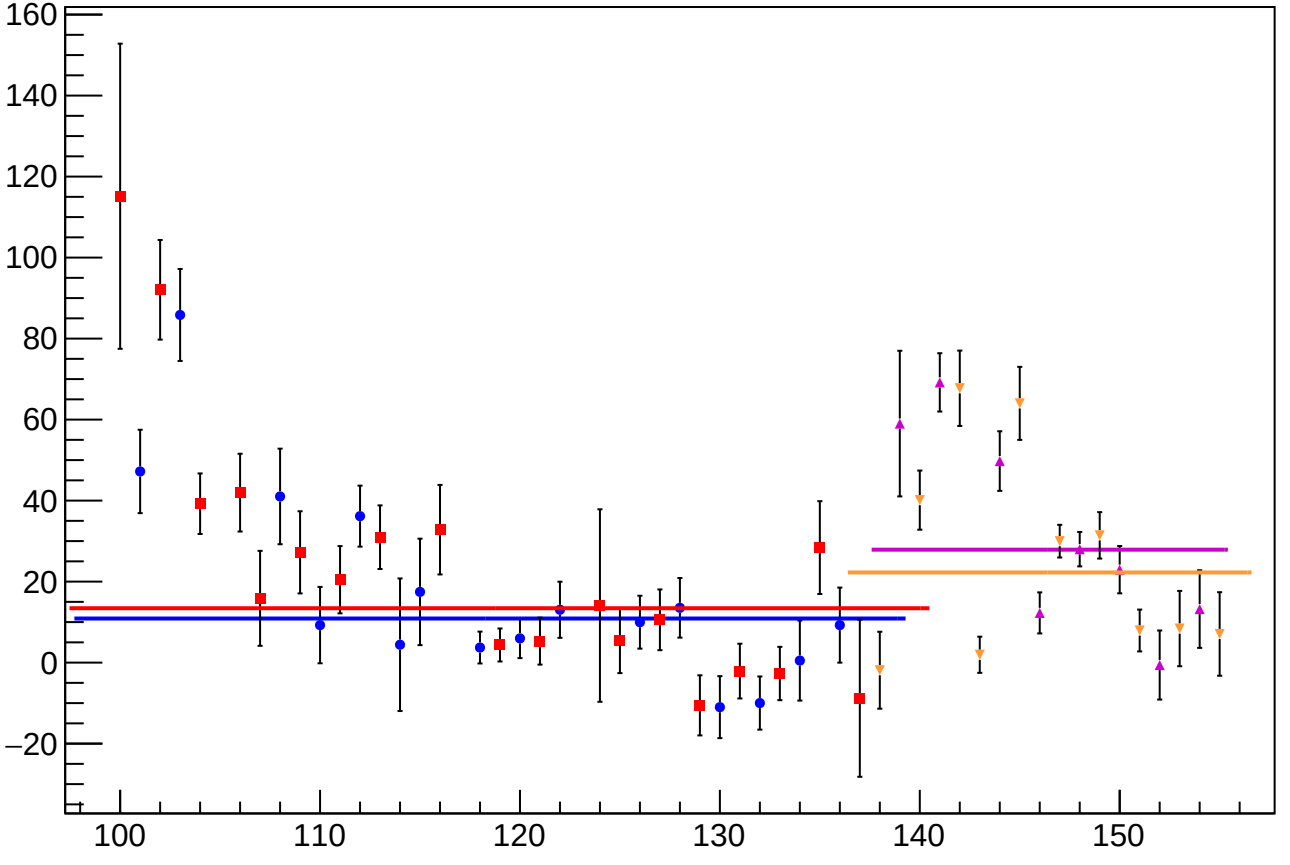
Left In: -565.184+/-3.558 χ^2/NDF:27.2/7

+ sign -367.966+/-1.563 χ^2/NDF: 8192.6/25

All: -376.090+/-1.110 χ^2/NDF: 13686.2/52

- sign -384.364+/-1.577 χ^2/NDF: 5439.1/26

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 22.261+/-1.983 χ^2/NDF:96.8/9

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

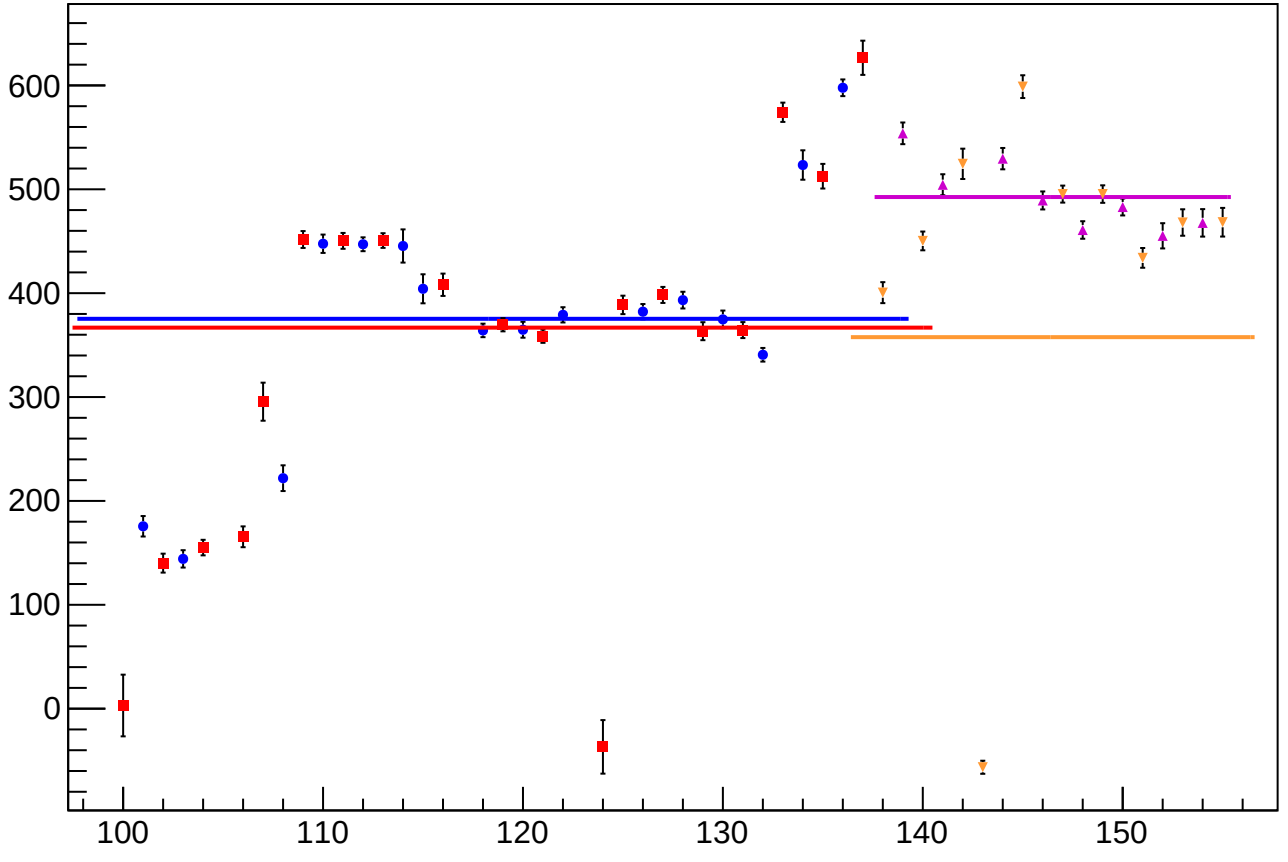
Left In: 27.883+/-2.299 χ^2/NDF:68.4/7

+ sign 16.158+/-1.350 χ^2/NDF: 212.7/25

All: 17.543+/-0.986 χ^2/NDF: 419.8/52

- sign 19.125+/-1.443 χ^2/NDF: 204.8/26

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 357.661+/-2.991 χ^2/NDF:5816.1/9

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

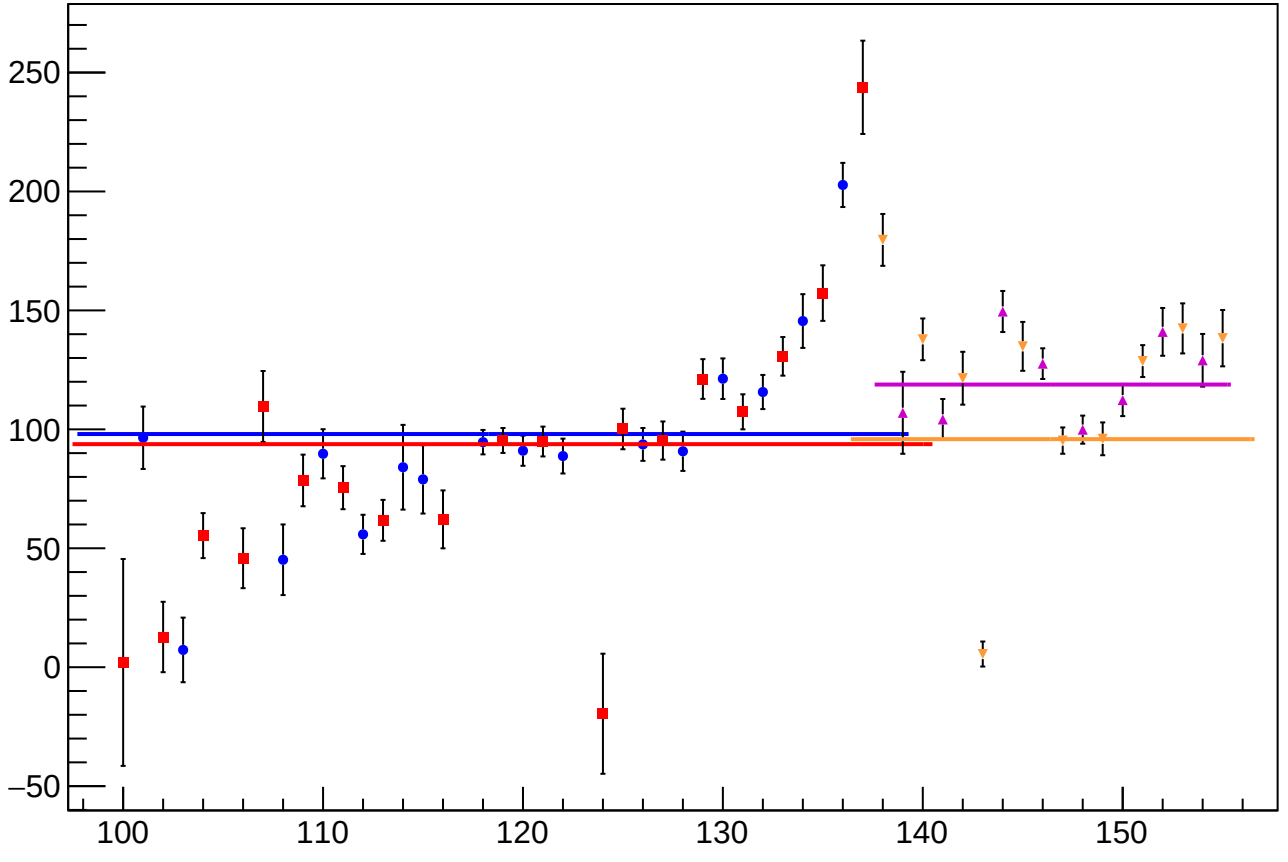
Left In: 492.557+/-3.464 χ^2/NDF:77.5/7

+ sign 369.480+/-1.720 χ^2/NDF: 8288.9/25

All: 384.078+/-1.232 χ^2/NDF: 13030.9/52

- sign 399.426+/-1.764 χ^2/NDF: 4594.3/26

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 95.878+/-2.446 χ^2/NDF:452.6/9

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

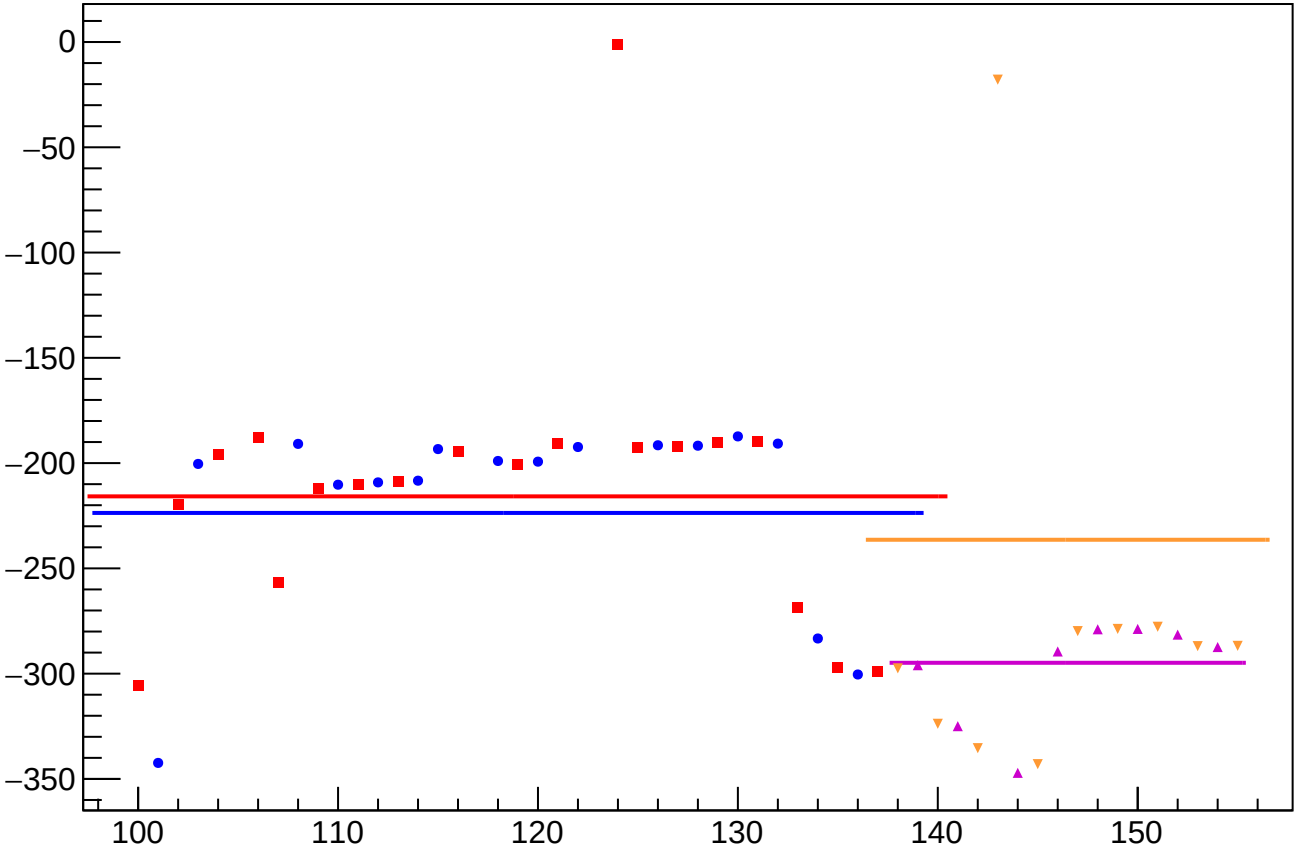
Left In: 118.832+/-2.852 χ^2/NDF:34.8/7

+ sign 97.090+/-1.612 χ^2/NDF: 702.5/25

All: 99.772+/-1.173 χ^2/NDF: 1029.8/52

- sign 102.792+/-1.711 χ^2/NDF: 321.4/26

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -236.407+/-0.122 χ^2/NDF:921866.6/9

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

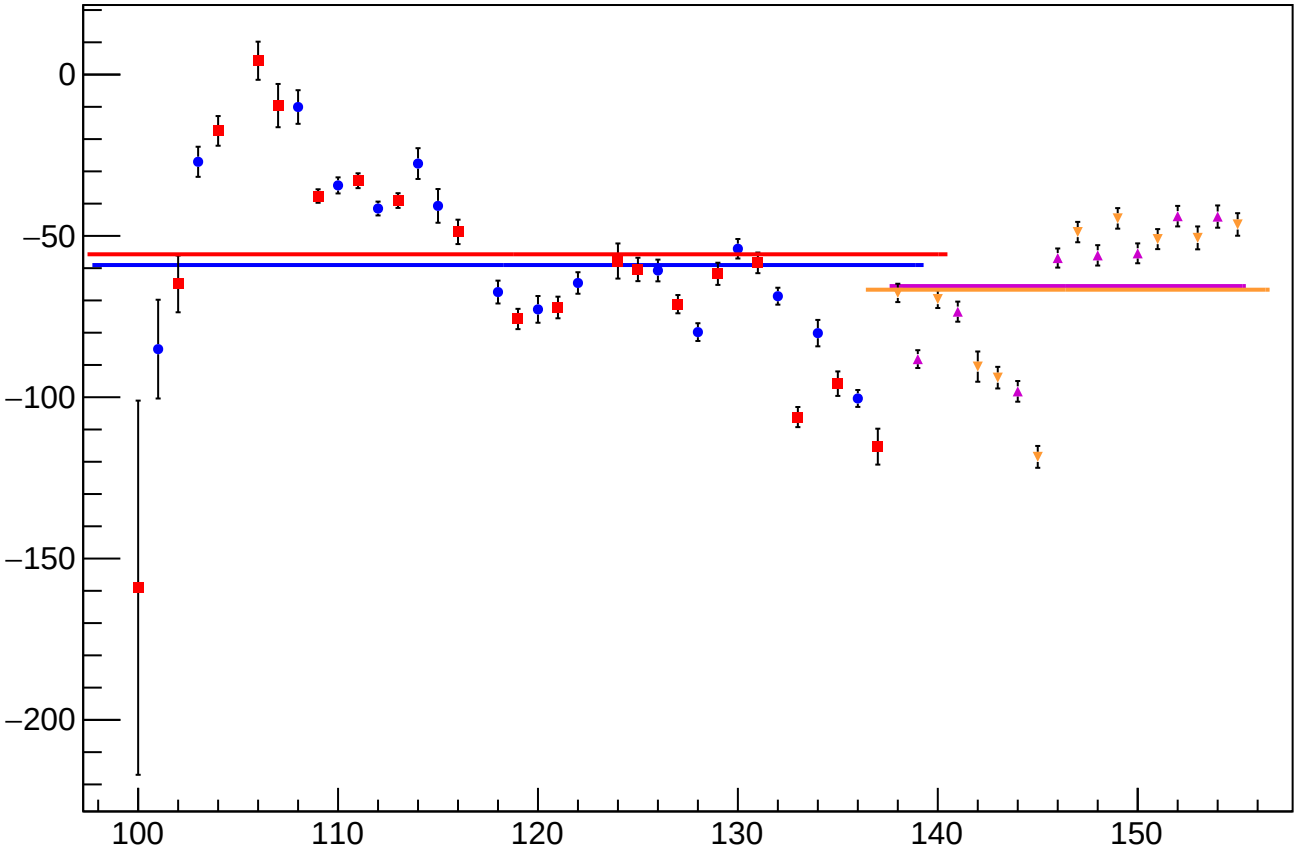
Left In: -294.841+/-0.138 χ^2/NDF:24120.0/7

+ sign -230.837+/-0.091 χ^2/NDF: 1048172.7/25

All: -242.026+/-0.066 χ^2/NDF: 1354415.5/52

- sign -254.381+/-0.096 χ^2/NDF: 274733.5/26

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -66.673+/-1.031 χ^2/NDF:486.9/9

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

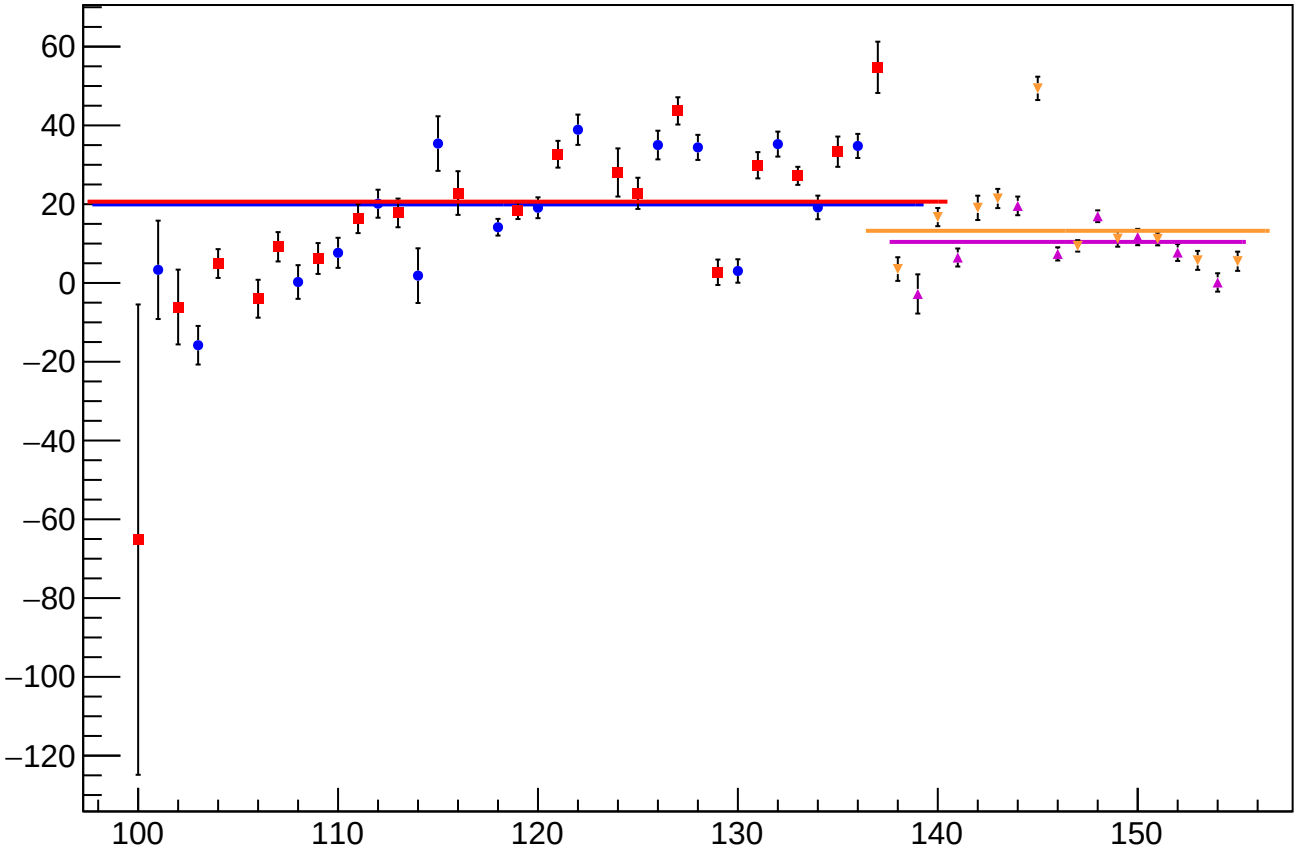
Left In: -65.546+/-1.095 χ^2/NDF:291.2/7

+ sign -62.032+/-0.646 χ^2/NDF: 1247.5/25

All: -60.538+/-0.455 χ^2/NDF: 2643.6/52

- sign -59.070+/-0.641 χ^2/NDF: 1385.5/26

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 13.242+/-0.687 χ^2/NDF:205.7/9

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

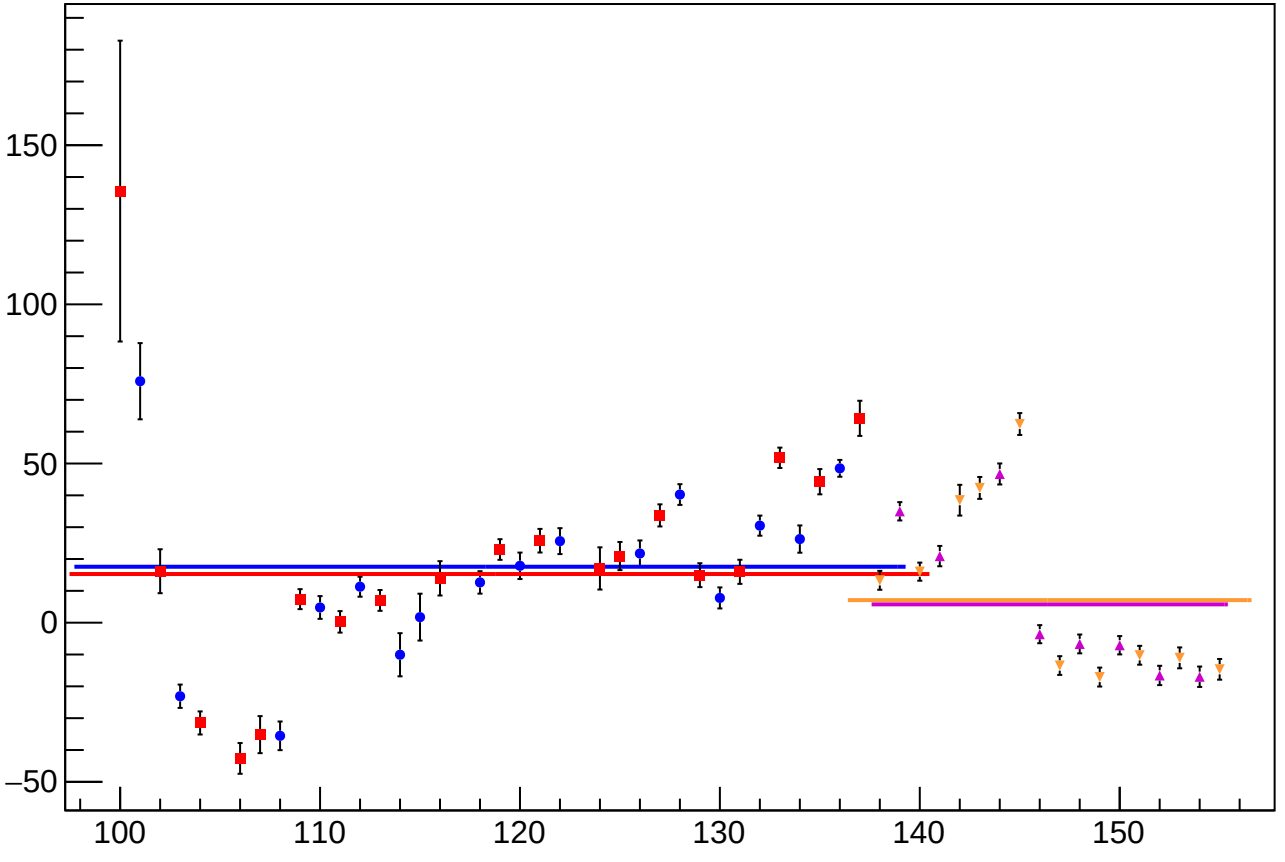
Left In: 10.422+/-0.736 χ^2/NDF:68.7/7

+ sign 15.825+/-0.538 χ^2/NDF: 489.6/25

All: 15.344+/-0.386 χ^2/NDF: 868.1/52

- sign 14.835+/-0.554 χ^2/NDF: 376.9/26

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 7.084+/-1.011 χ^2/NDF:644.7/9

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

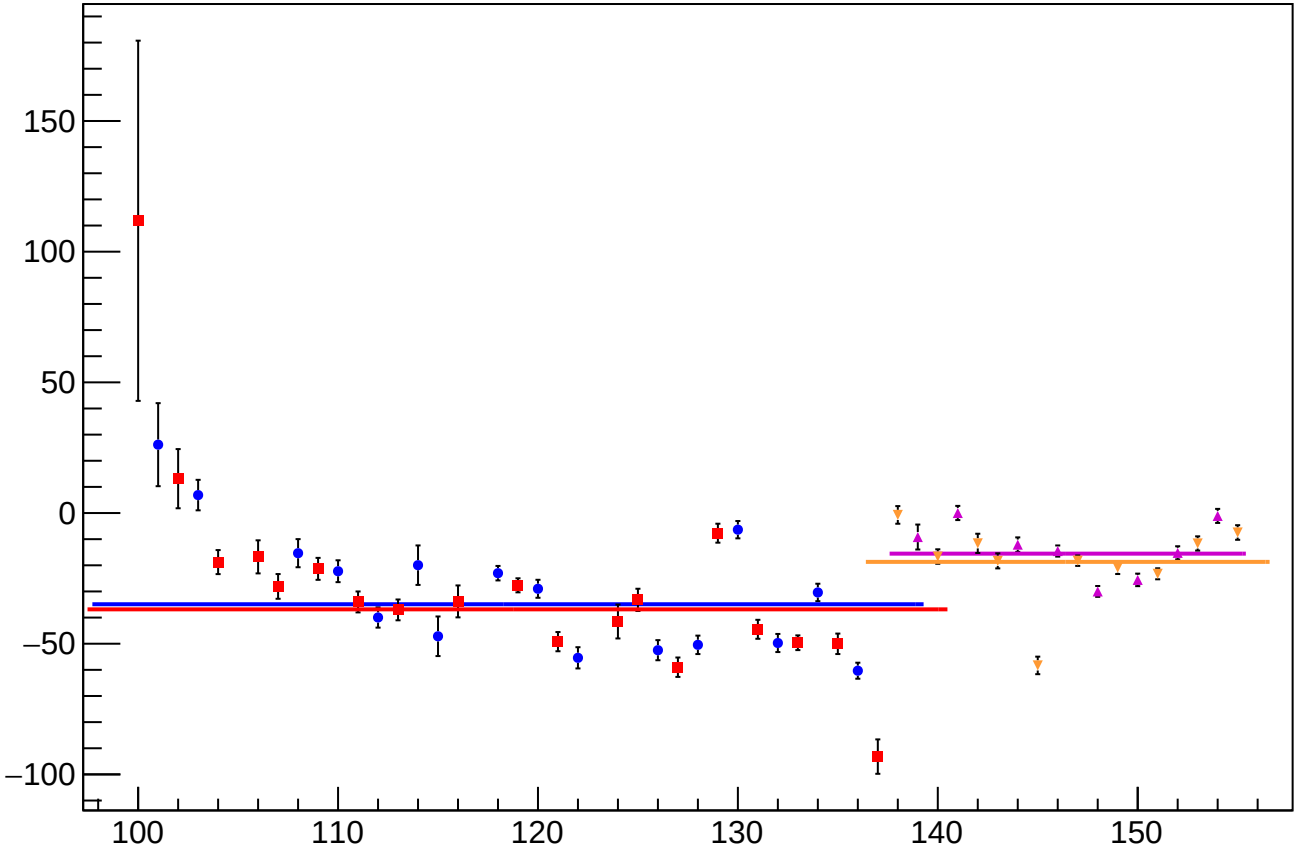
Left In: 5.752+/-1.069 χ^2/NDF:433.0/7

+ sign 12.618+/-0.695 χ^2/NDF: 1247.7/25

All: 11.895+/-0.494 χ^2/NDF: 2458.0/52

- sign 11.155+/-0.703 χ^2/NDF: 1208.1/26

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.686+/-0.842 χ^2/NDF:200.5/9

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

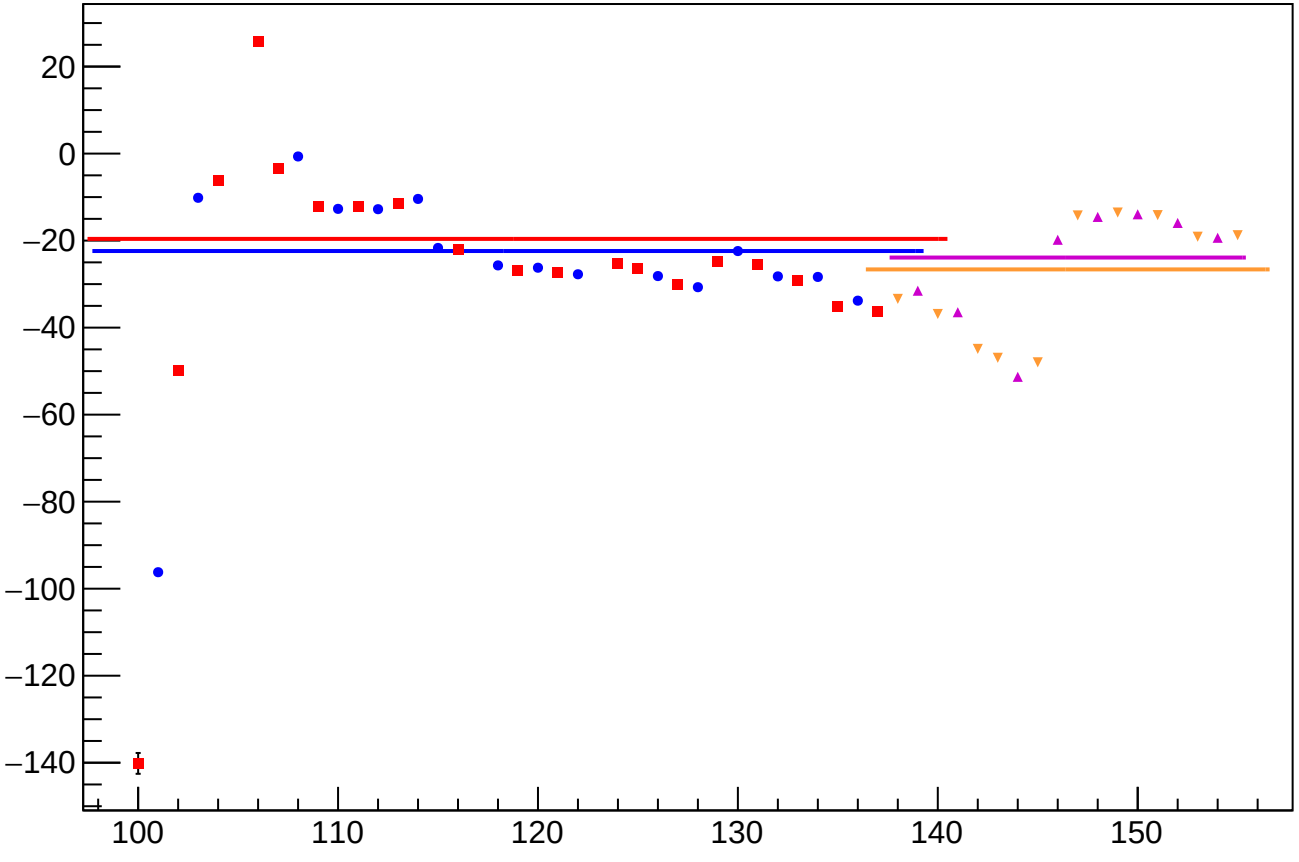
Left In: -15.538+/-0.901 χ^2/NDF:131.3/7

+ sign -25.492+/-0.642 χ^2/NDF: 702.7/25

All: -25.456+/-0.460 χ^2/NDF: 1394.8/52

- sign -25.417+/-0.660 χ^2/NDF: 692.1/26

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -26.619+/-0.040 χ^2/NDF:104969.4/9

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

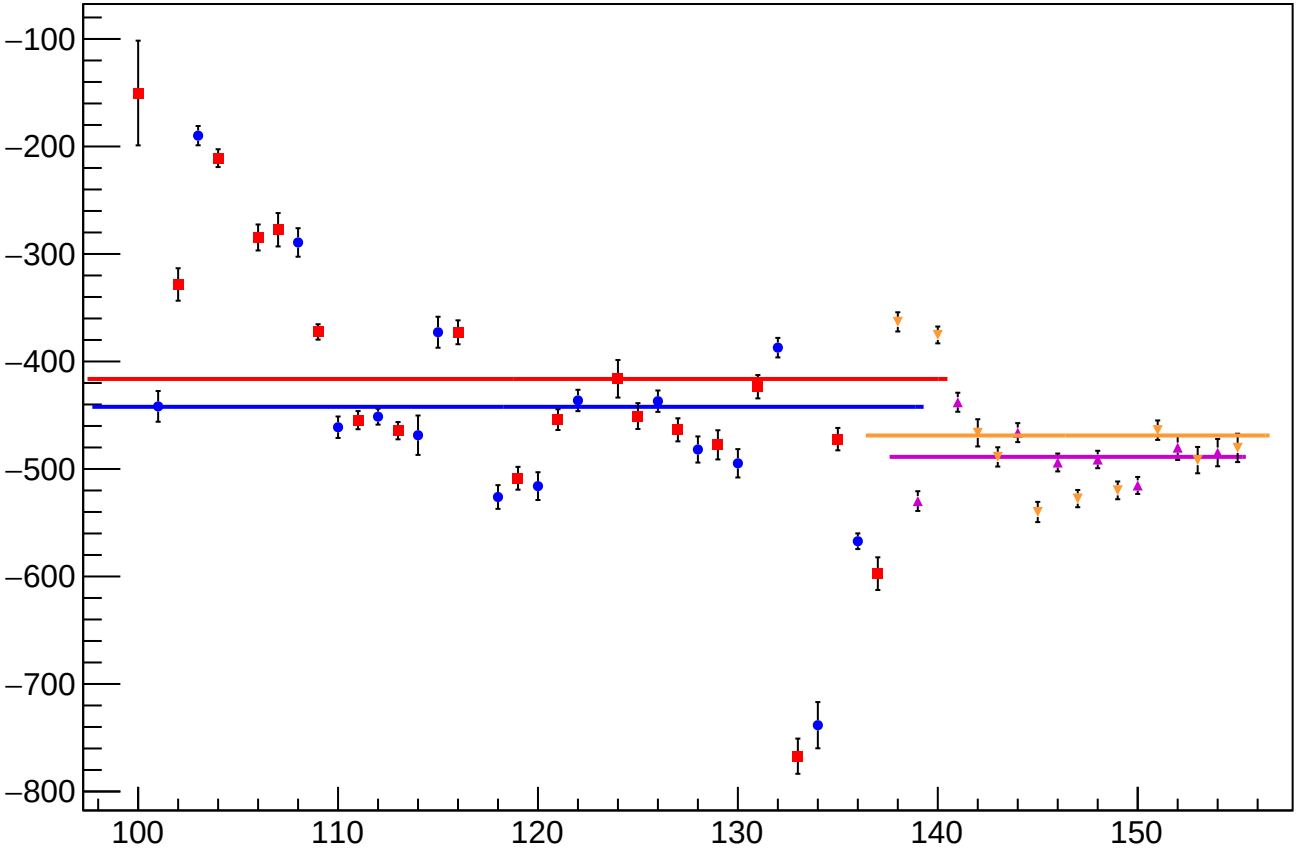
Left In: -23.894+/-0.042 χ^2/NDF:70907.7/7

+ sign -25.269+/-0.033 χ^2/NDF: 155065.3/25

All: -23.924+/-0.024 χ^2/NDF: 316784.7/52

- sign -22.487+/-0.034 χ^2/NDF: 158270.3/26

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -468.839+/-2.967 χ^2/NDF:441.2/9

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

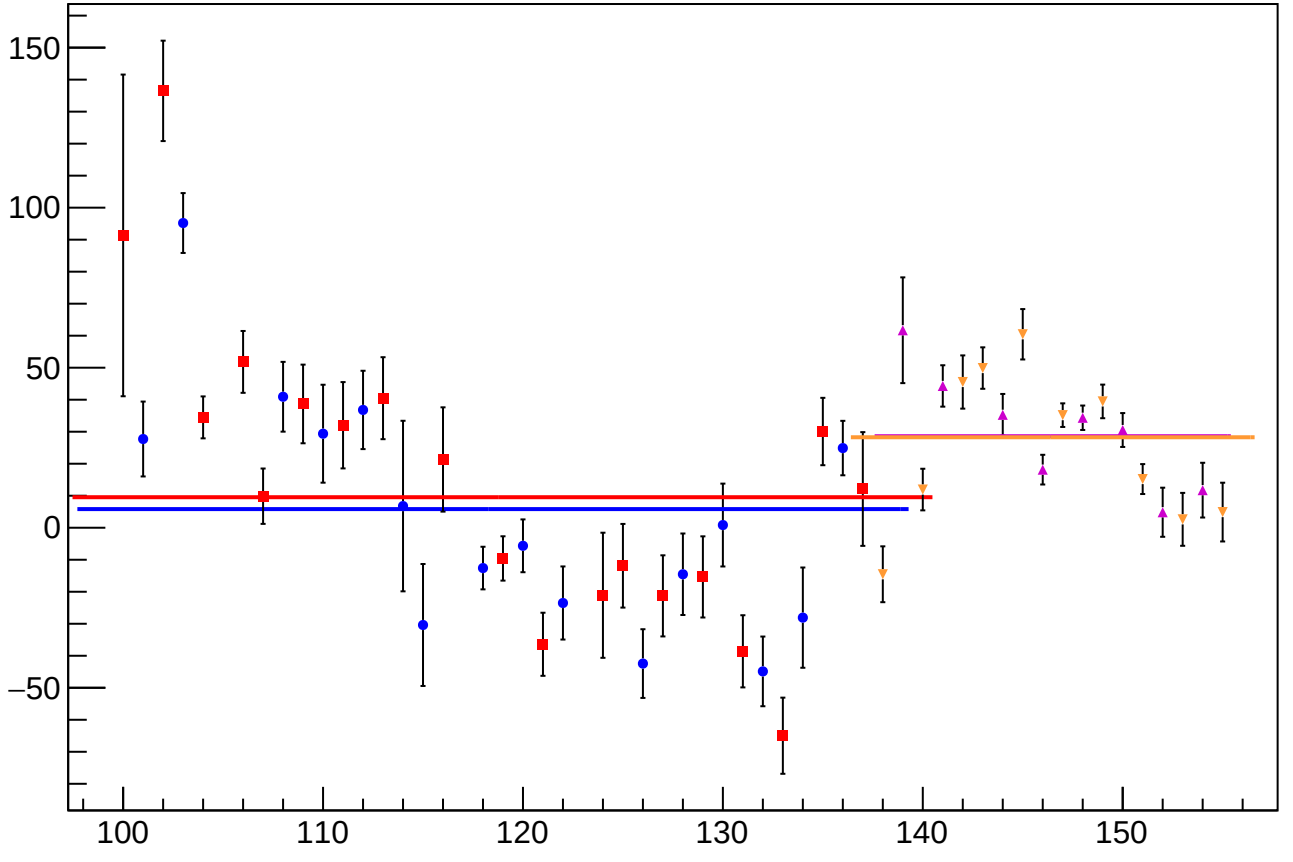
Left In: -488.727+/-3.212 χ^2/NDF:72.0/7

+ sign -454.170+/-1.989 χ^2/NDF: 2074.7/25

All: -449.023+/-1.405 χ^2/NDF: 4228.8/52

- sign -443.904+/-1.984 χ^2/NDF: 2140.7/26

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 28.264+/-1.913 χ^2/NDF:94.5/9

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

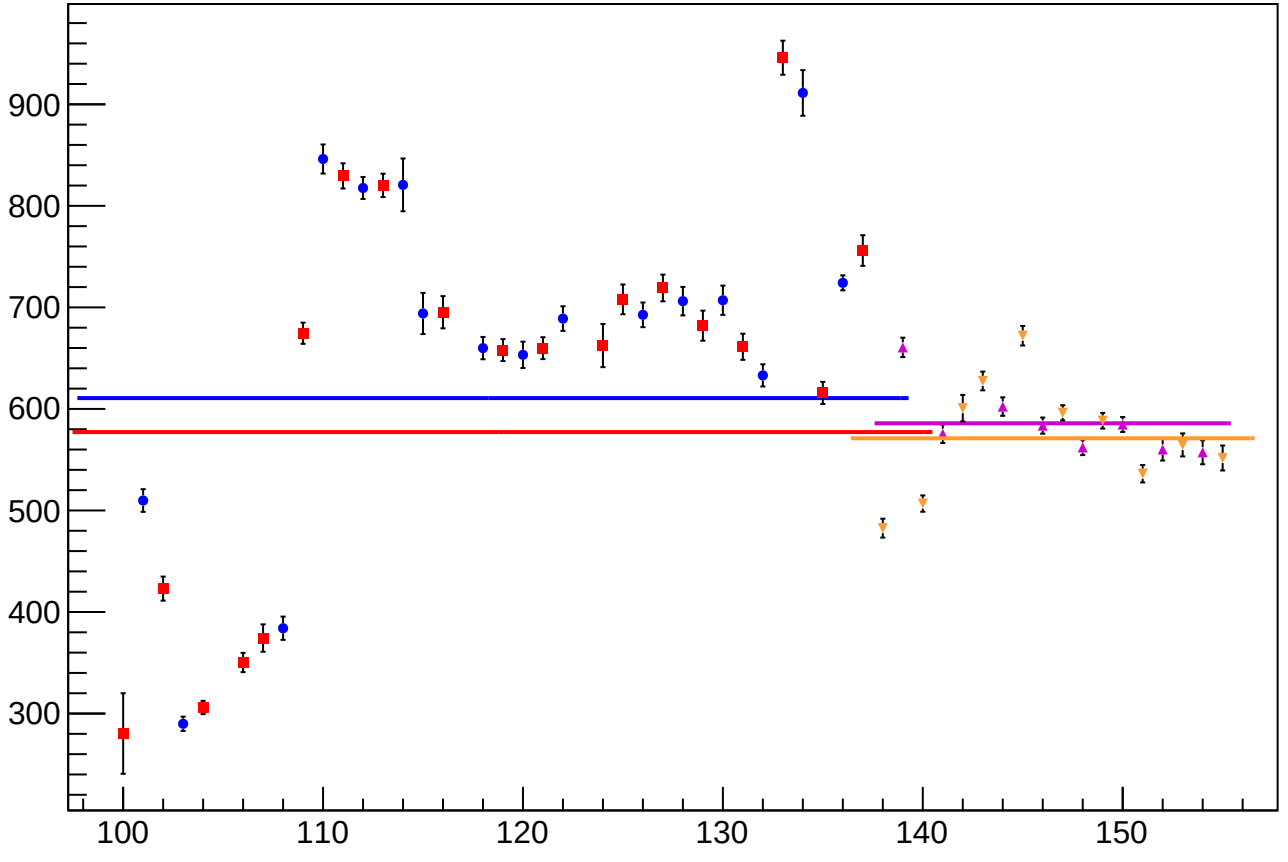
Left In: 28.596+/-2.073 χ^2/NDF:31.9/7

+ sign 20.868+/-1.566 χ^2/NDF: 328.0/25

All: 20.948+/-1.123 χ^2/NDF: 615.6/52

- sign 21.033+/-1.610 χ^2/NDF: 287.6/26

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 571.069+/-2.912 χ^2/NDF:342.3/9

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

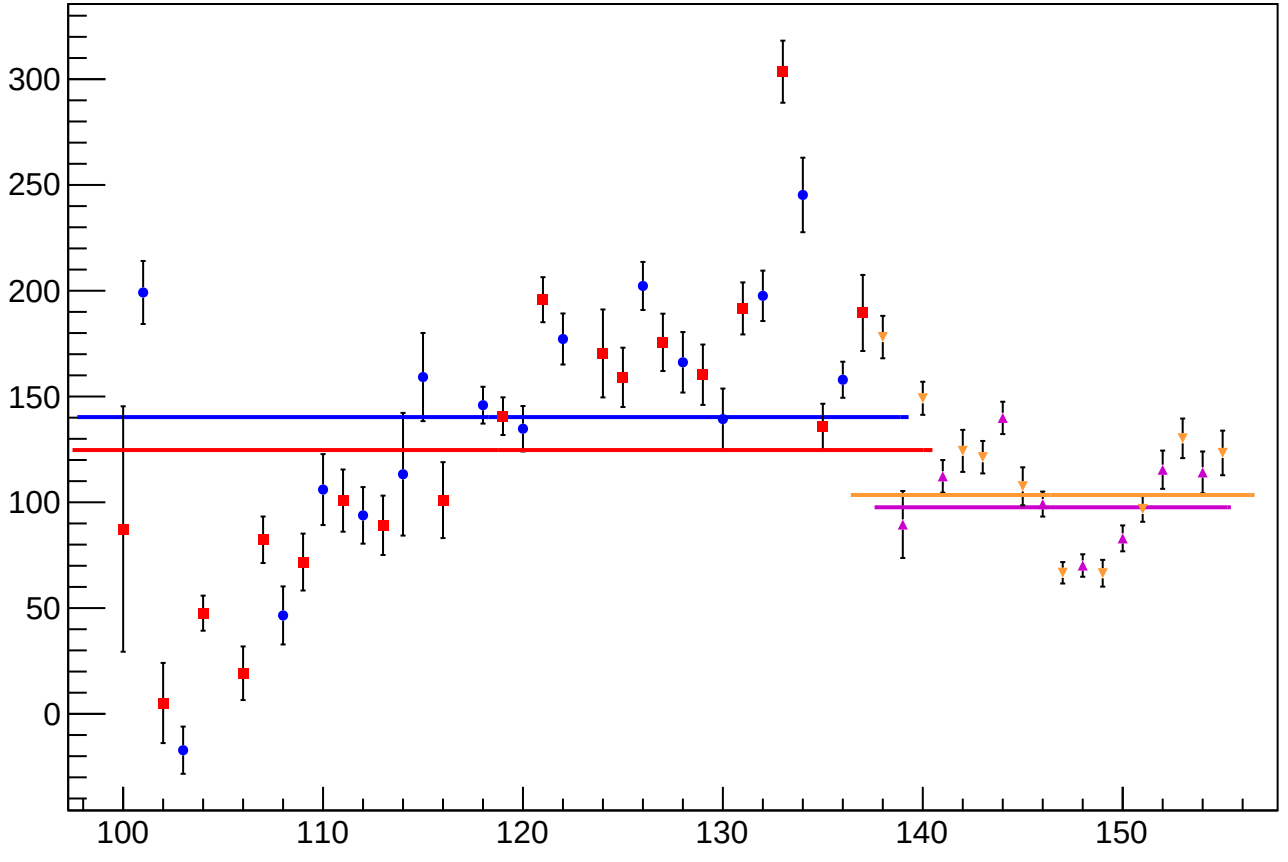
Left In: 585.859+/-3.128 χ^2/NDF:87.0/7

+ sign 590.998+/-2.052 χ^2/NDF: 4328.0/25

All: 586.030+/-1.456 χ^2/NDF: 9231.4/52

- sign 580.986+/-2.067 χ^2/NDF: 4891.6/26

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 103.456+/-2.374 χ^2/NDF:199.6/9

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

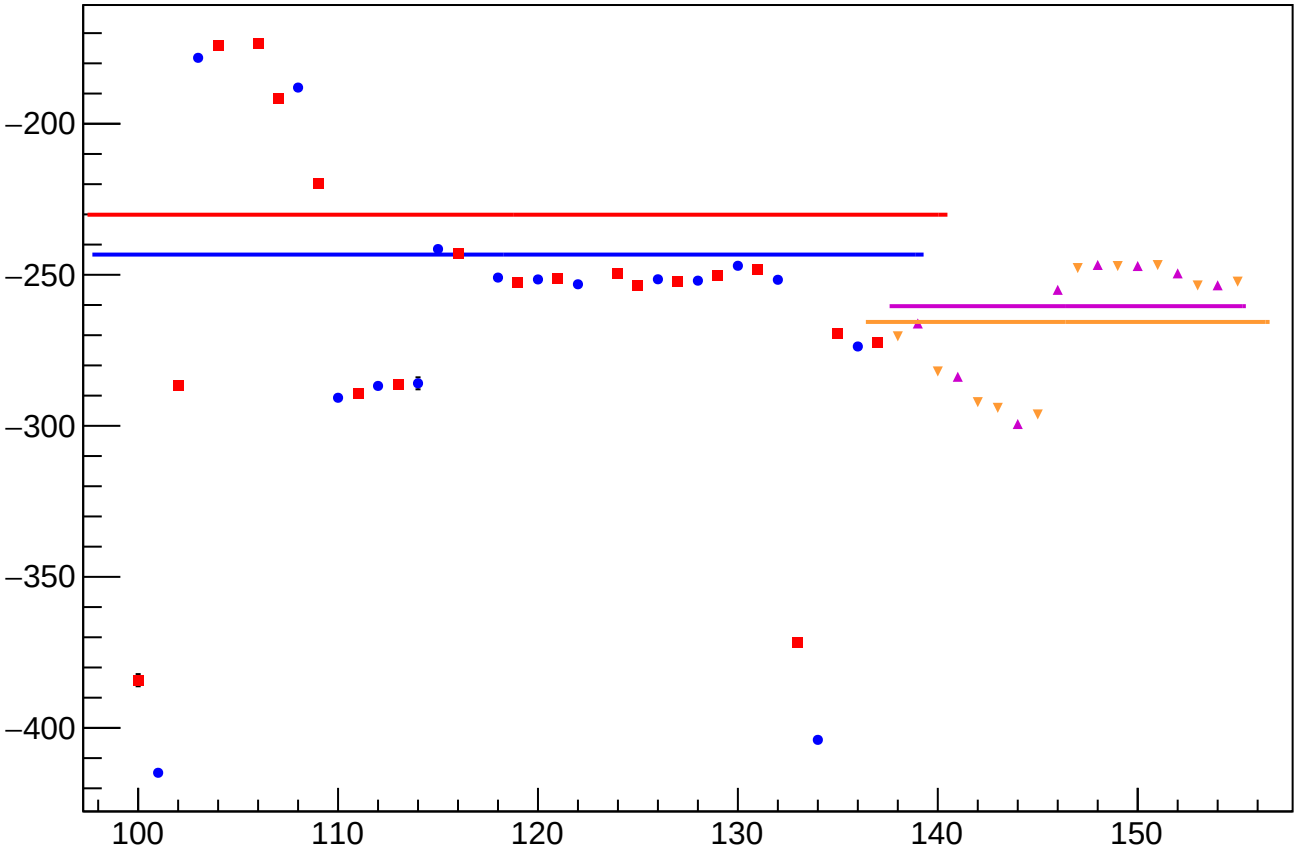
Left In: 97.649+/-2.572 χ^2/NDF:73.8/7

+ sign 116.787+/-1.896 χ^2/NDF: 672.1/25

All: 113.095+/-1.358 χ^2/NDF: 1309.4/52

- sign 109.203+/-1.947 χ^2/NDF: 629.5/26

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -265.605+/-0.118 χ^2/NDF:27766.9/9

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

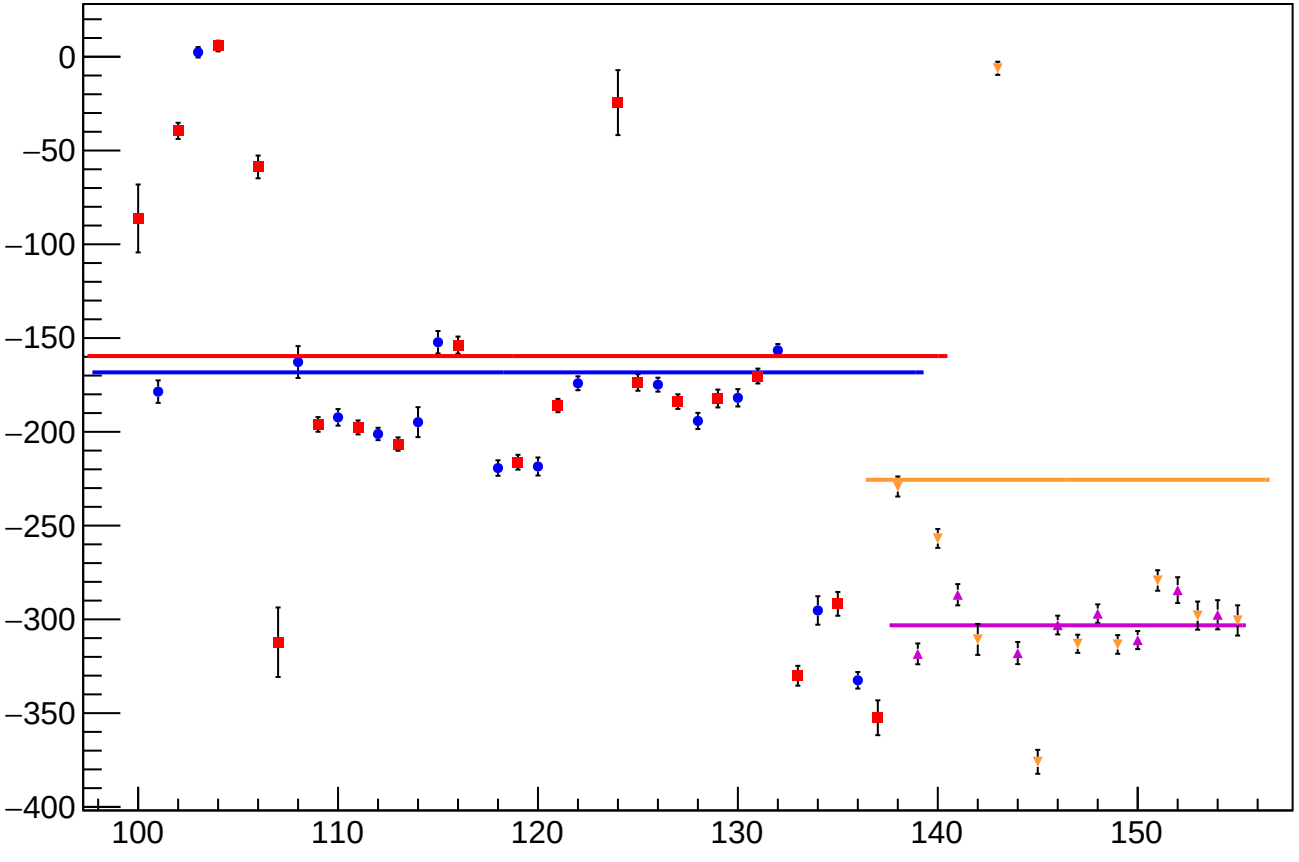
Left In: -260.386+/-0.124 χ^2/NDF:18663.6/7

+ sign -257.886+/-0.096 χ^2/NDF: 213562.8/25

All: -253.415+/-0.068 χ^2/NDF: 361948.2/52

- sign -248.766+/-0.097 χ^2/NDF: 143925.0/26

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -225.566+/-1.704 χ^2/NDF:5522.5/9

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

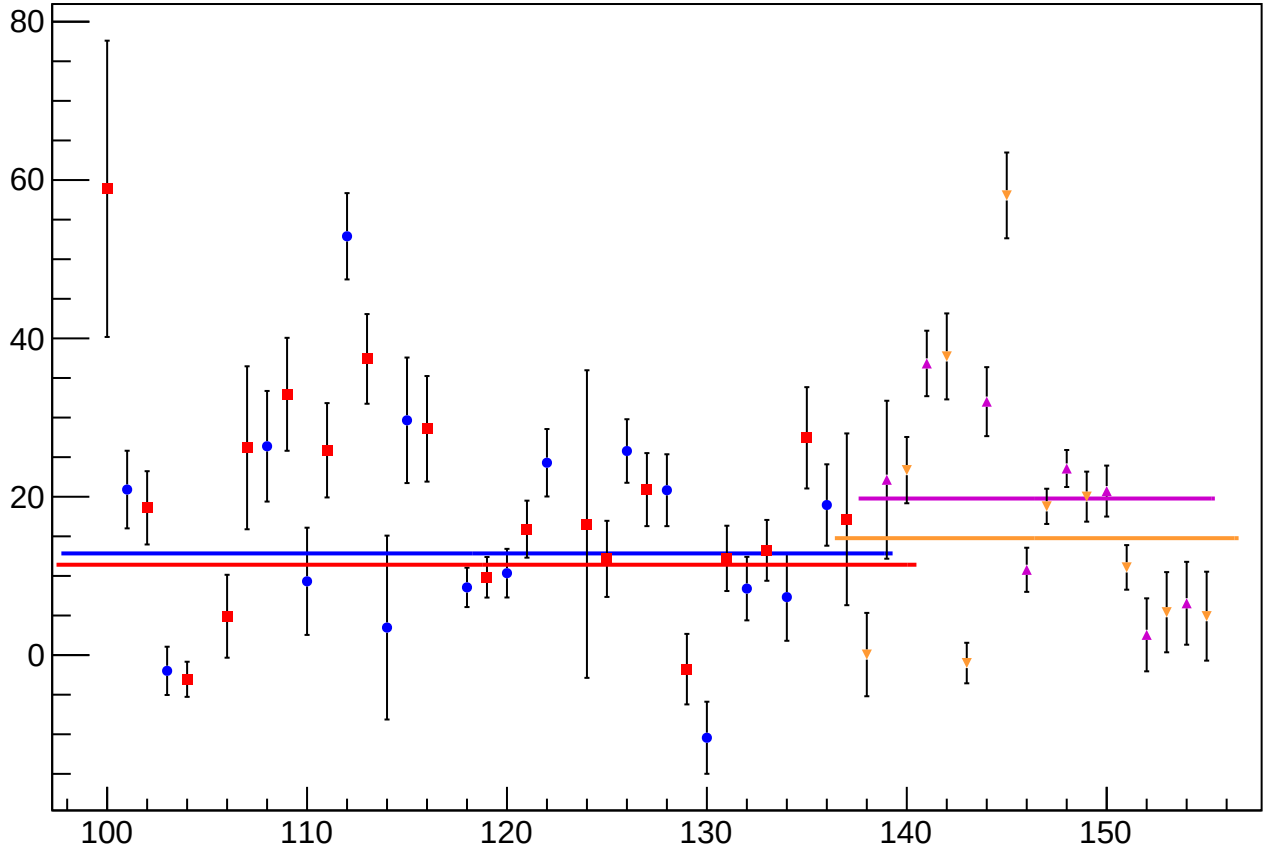
Left In: -303.171+/-1.986 χ^2/NDF:34.2/7

+ sign -184.616+/-0.910 χ^2/NDF: 12238.1/25

All: -187.569+/-0.648 χ^2/NDF: 23589.1/52

- sign -190.609+/-0.923 χ^2/NDF: 11329.7/26

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 14.768+/-1.109 χ^2/NDF:146.0/9

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

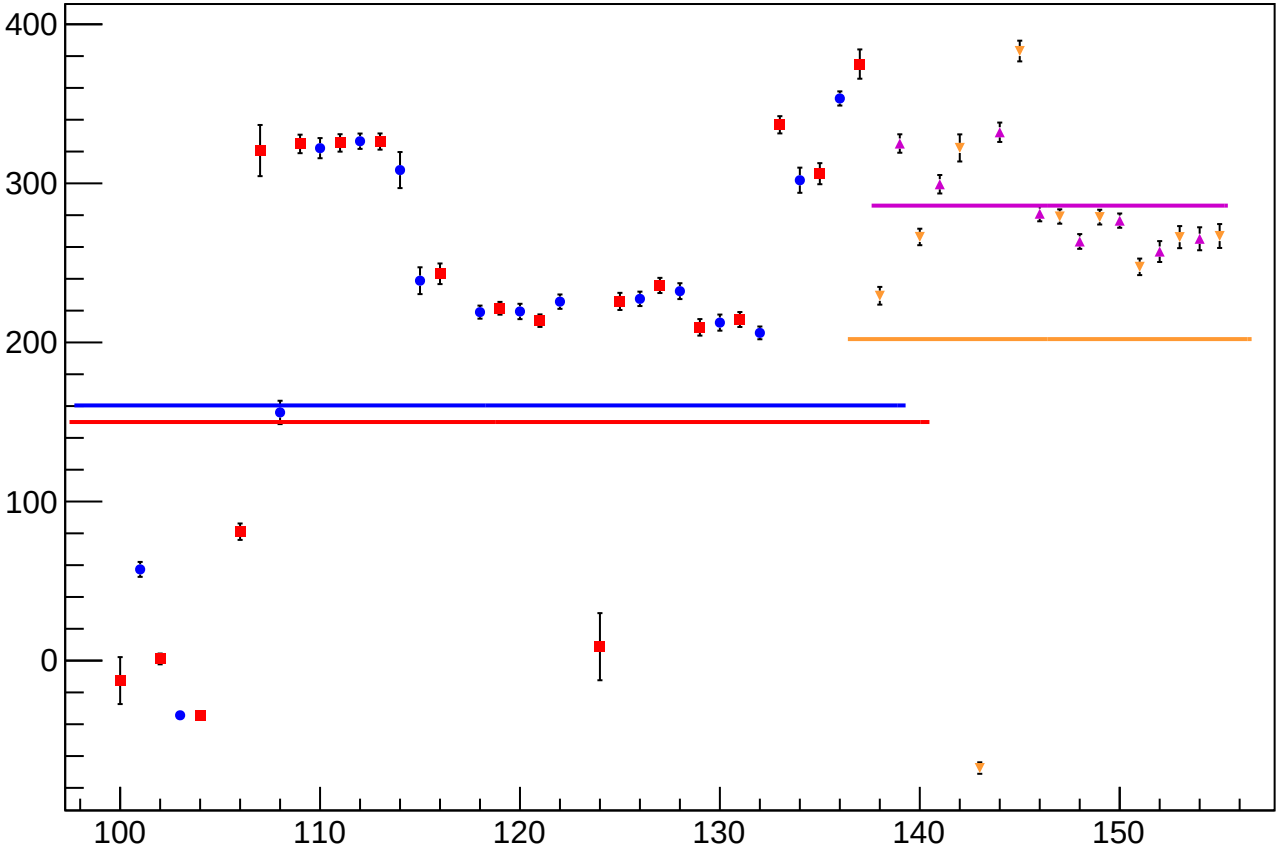
Left In: 19.776+/-1.277 χ^2/NDF:58.5/7

+ sign 13.776+/-0.772 χ^2/NDF: 291.2/25

All: 14.234+/-0.557 χ^2/NDF: 495.8/52

- sign 14.731+/-0.804 χ^2/NDF: 203.9/26

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 202.106+/-1.679 χ^2/NDF:7530.0/9

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

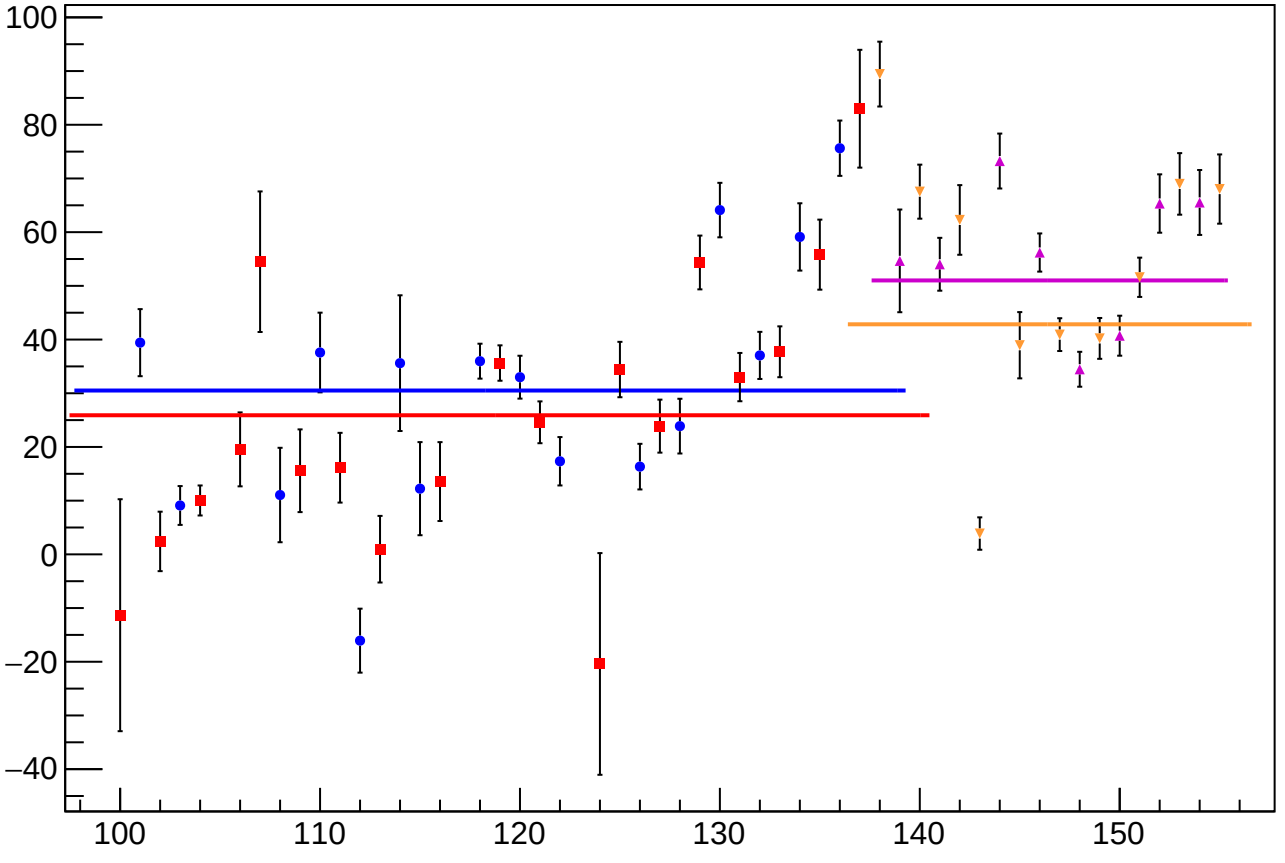
Left In: 286.006+/-1.930 χ^2/NDF:164.8/7

\+ sign 173.543+/-0.943 χ^2/NDF: 21902.0/25

All: 178.494+/-0.673 χ^2/NDF: 42125.8/52

\- sign 183.630+/-0.960 χ^2/NDF: 20167.6/26

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 42.842+/-1.370 χ^2/NDF:302.5/9

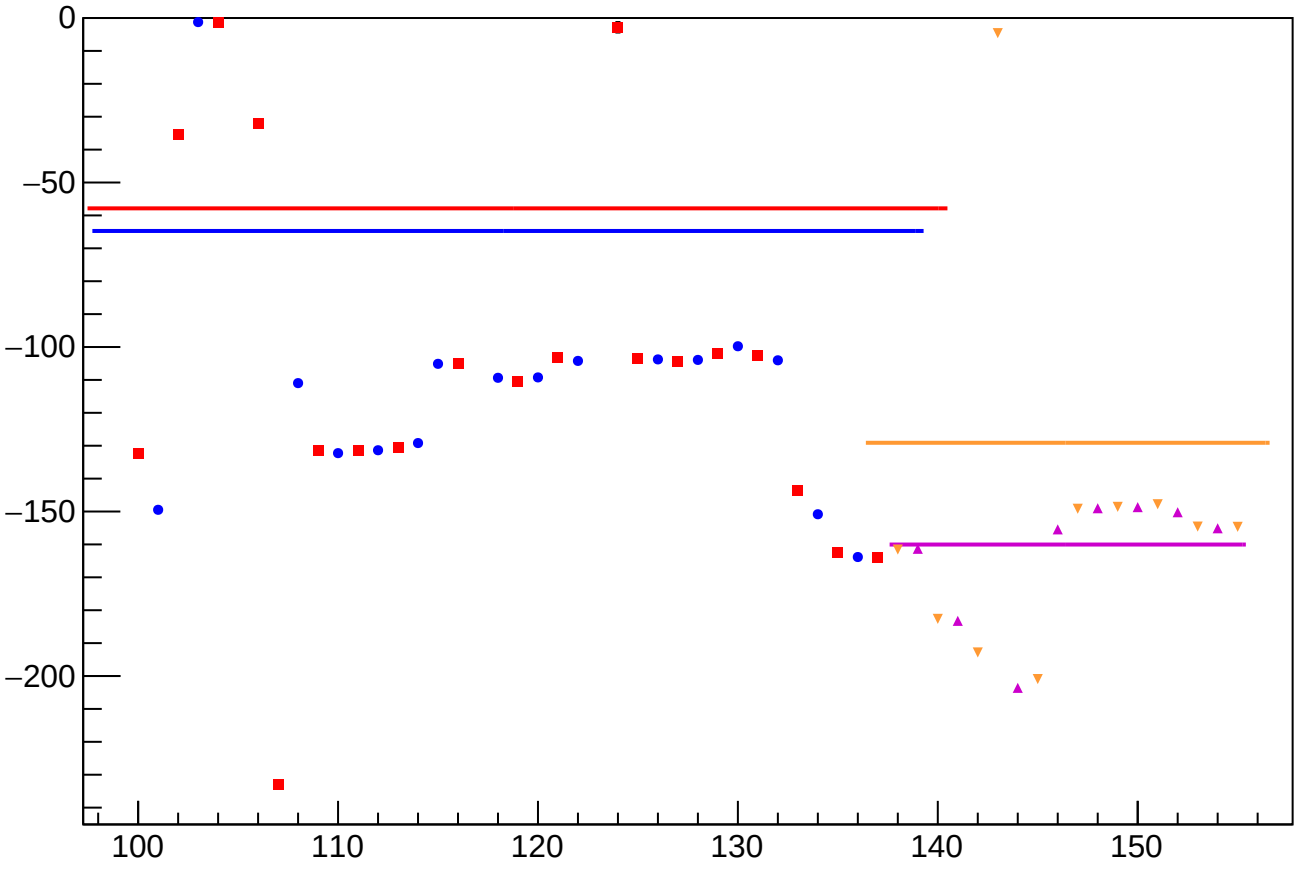
Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 51.011+/-1.586 χ^2/NDF:67.8/7

+ sign 36.132+/-0.925 χ^2/NDF: 623.5/25

All: 35.670+/-0.667 χ^2/NDF: 1037.8/52

- sign 35.170+/-0.964 χ^2/NDF: 413.7/26



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -129.106+/-0.068 χ^2/NDF:925780.7/9

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

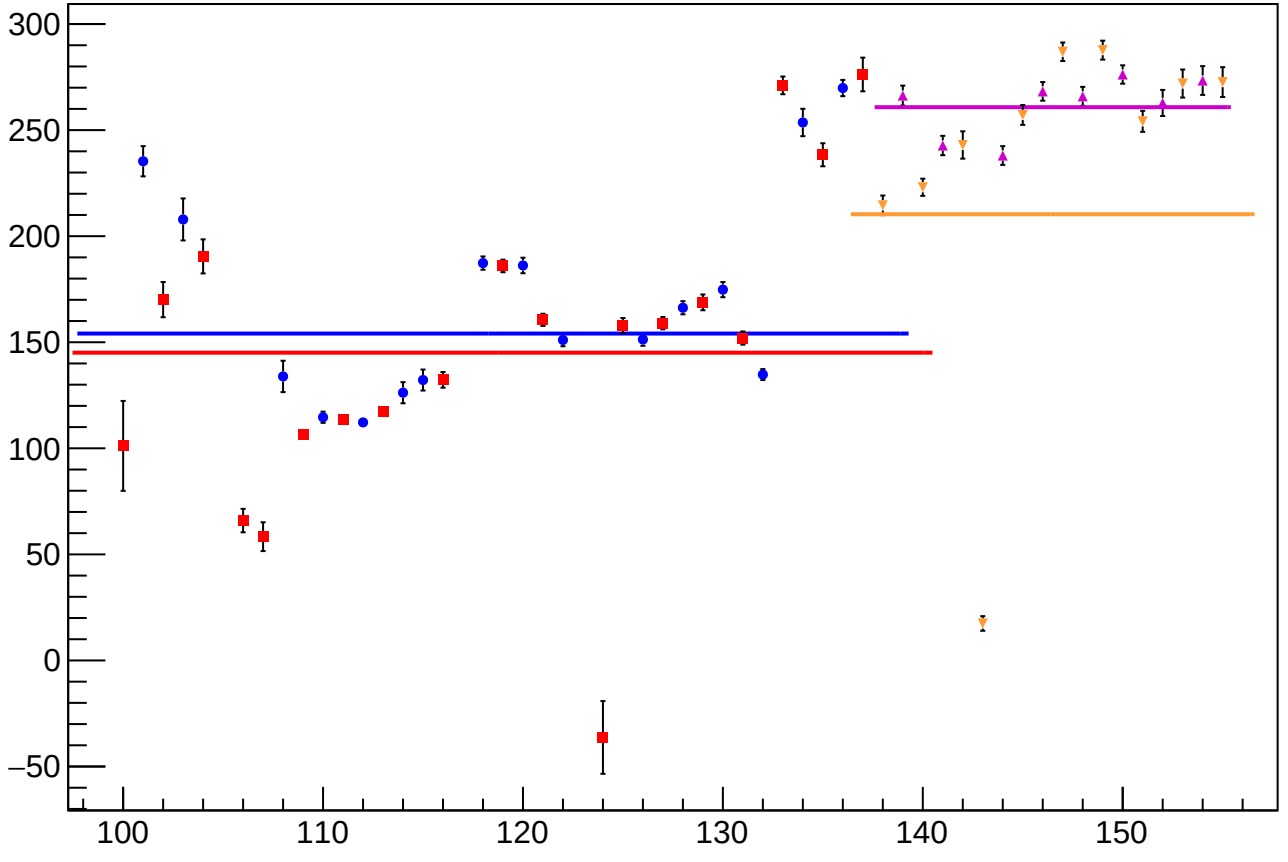
Left In: -160.036+/-0.076 χ^2/NDF:44934.2/7

+ sign -94.717+/-0.047 χ^2/NDF: 2444689.5/25

All: -96.559+/-0.034 χ^2/NDF: 4444651.1/52

- sign -98.529+/-0.048 χ^2/NDF: 1996732.4/26

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 210.339+/-1.494 χ^2/NDF:4124.0/9

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

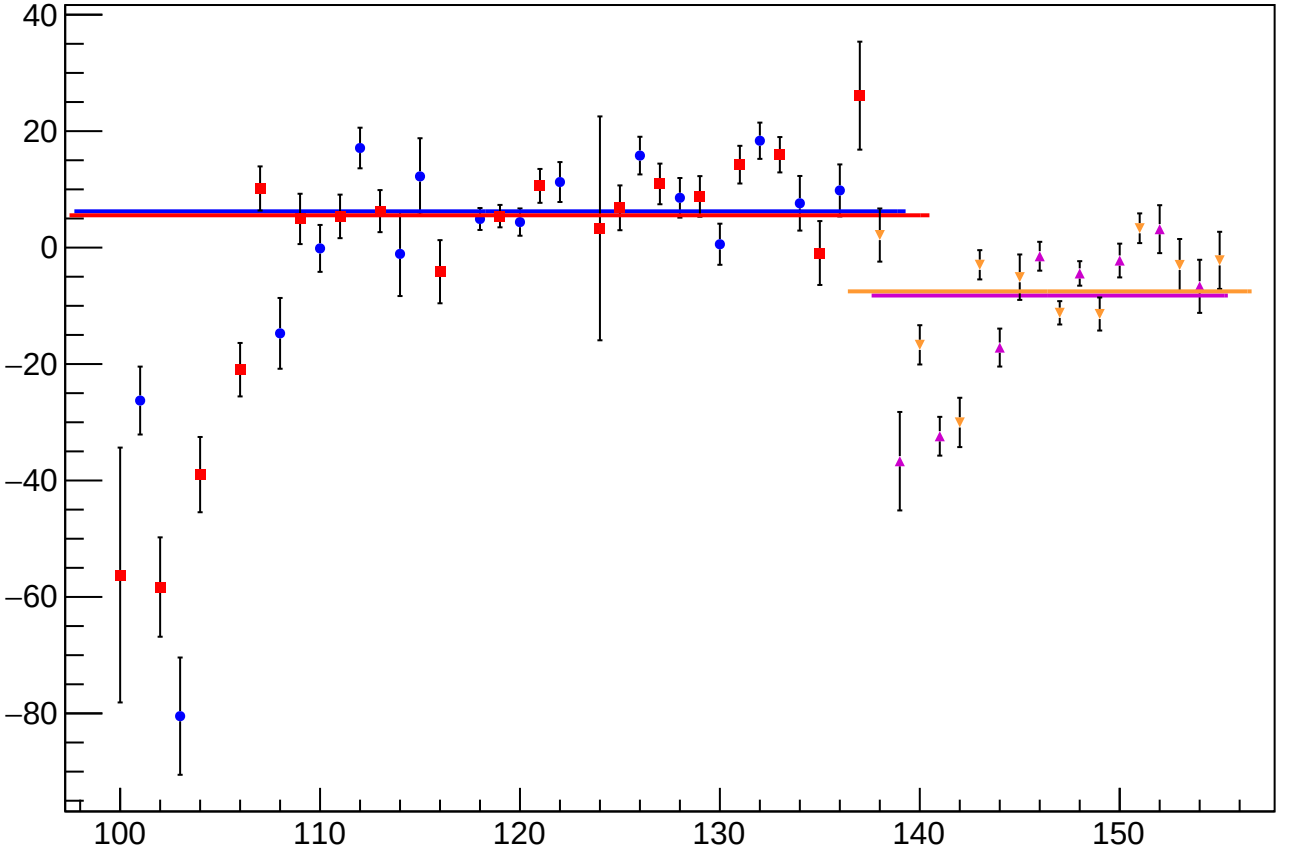
Left In: 260.805+/-1.695 χ^2/NDF:64.1/7

+ sign 168.322+/-0.751 χ^2/NDF: 7464.3/25

All: 167.805+/-0.528 χ^2/NDF: 14255.8/52

- sign 167.300+/-0.743 χ^2/NDF: 6790.5/26

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -7.517+/-0.983 χ^2/NDF:69.4/9

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

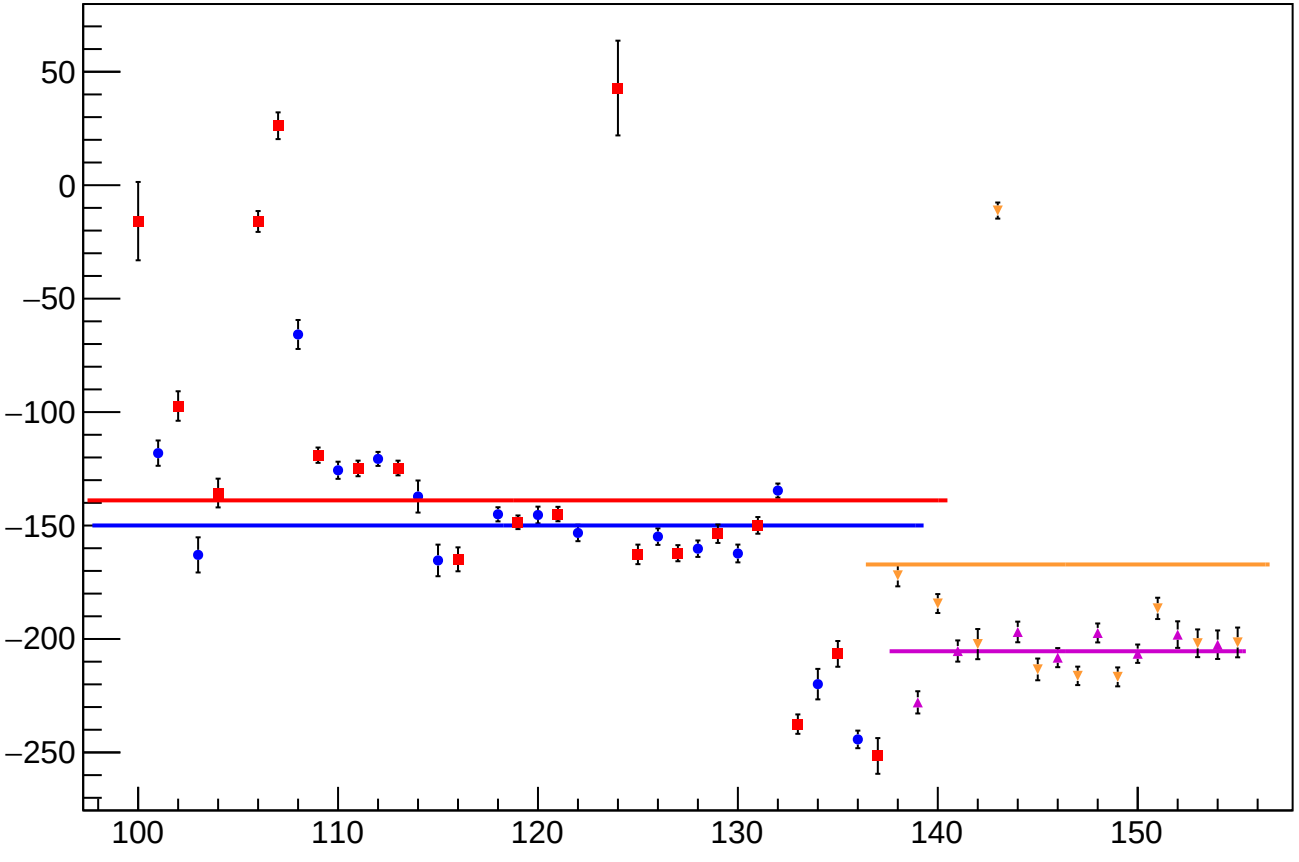
Left In: -8.229+/-1.109 χ^2/NDF:94.3/7

+ sign 0.040+/-0.660 χ^2/NDF: 338.8/25

All: 0.095+/-0.478 χ^2/NDF: 708.2/52

- sign 0.155+/-0.694 χ^2/NDF: 369.3/26

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -167.155+/-1.475 χ^2/NDF:2440.0/9

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

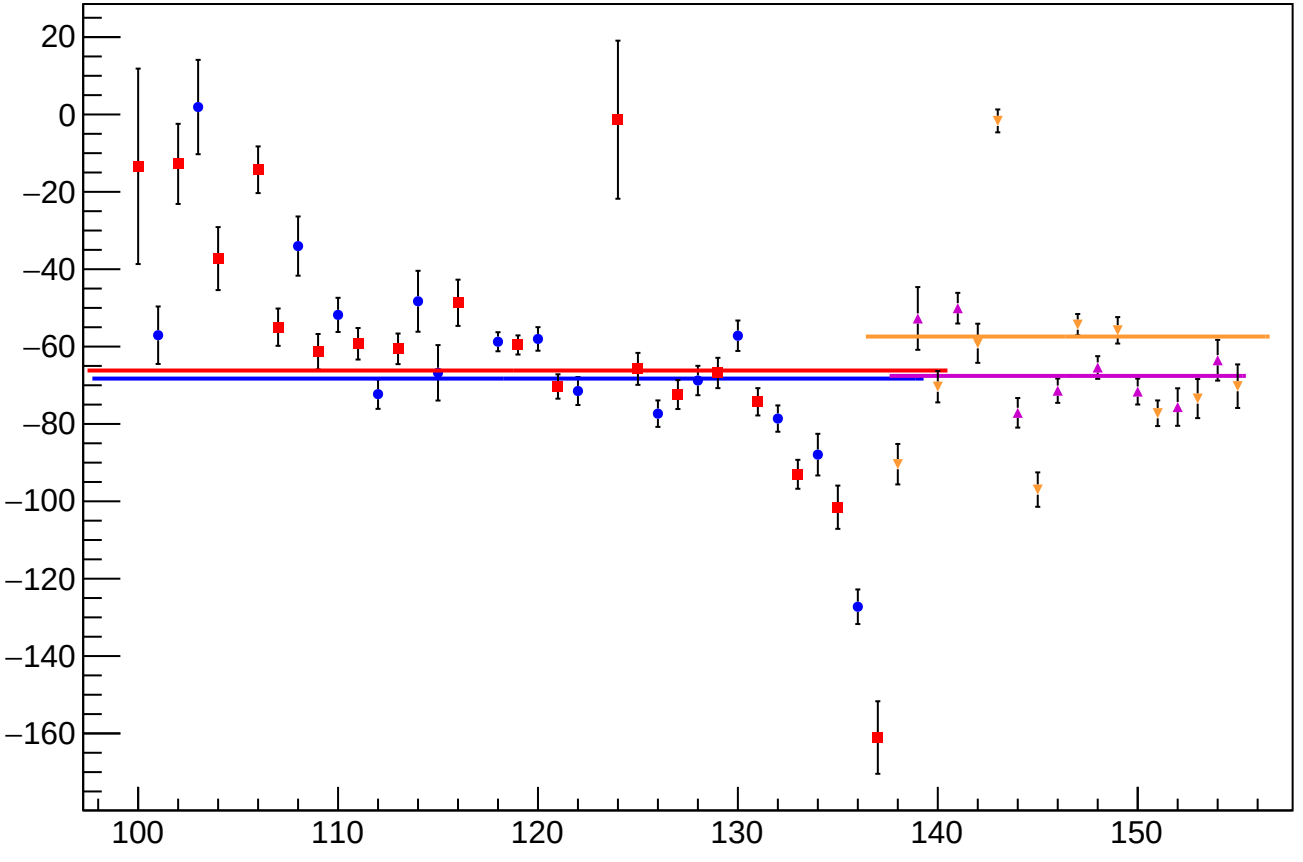
Left In: -205.407+/-1.655 χ^2/NDF:30.7/7

+ sign -155.569+/-0.842 χ^2/NDF: 3630.9/25

All: -156.042+/-0.599 χ^2/NDF: 7599.8/52

- sign -156.526+/-0.852 χ^2/NDF: 3968.3/26

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -57.405+/-1.212 χ^2/NDF:536.0/9

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

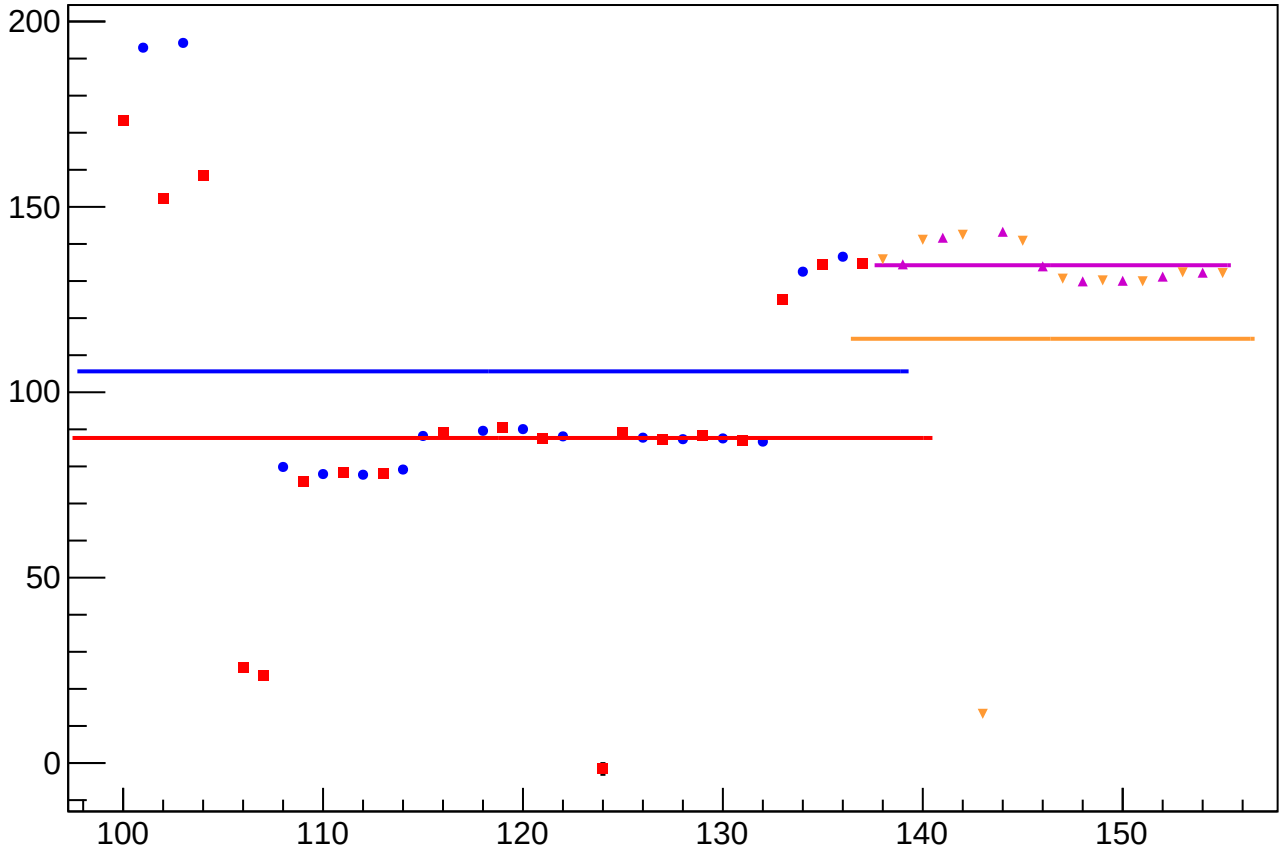
Left In: -67.579+/-1.371 χ^2/NDF:35.9/7

+ sign -63.699+/-0.786 χ^2/NDF: 897.9/25

All: -65.129+/-0.568 χ^2/NDF: 1299.8/52

- sign -66.685+/-0.820 χ^2/NDF: 394.9/26

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 114.426+/-0.060 χ^2/NDF:572587.6/9

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

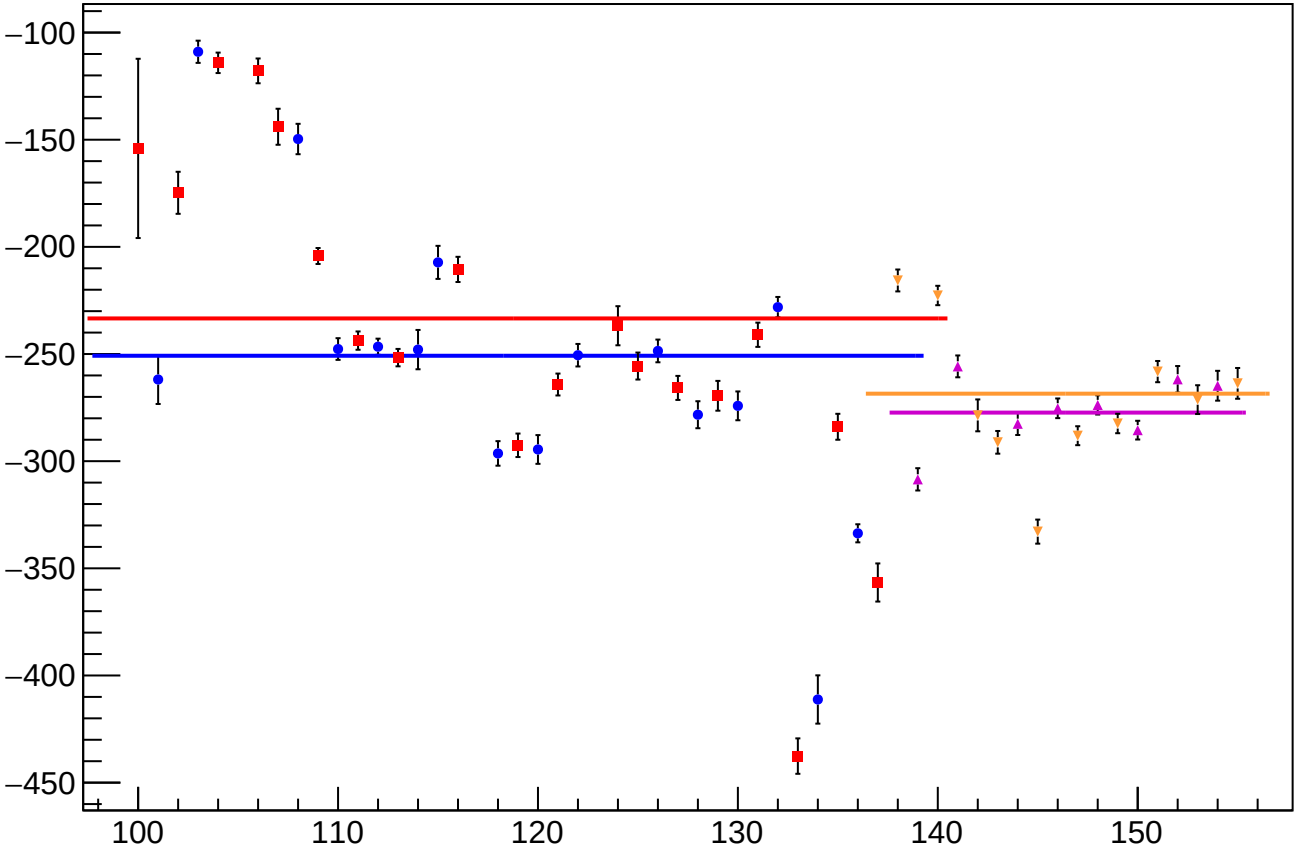
Left In: 134.261+/-0.066 χ^2/NDF:5090.6/7

+ sign 110.758+/-0.046 χ^2/NDF: 821165.4/25

All: 110.838+/-0.033 χ^2/NDF: 1452186.7/52

- sign 110.921+/-0.046 χ^2/NDF: 631015.0/26

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.502+/-1.679 χ^2/NDF:395.3/9

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

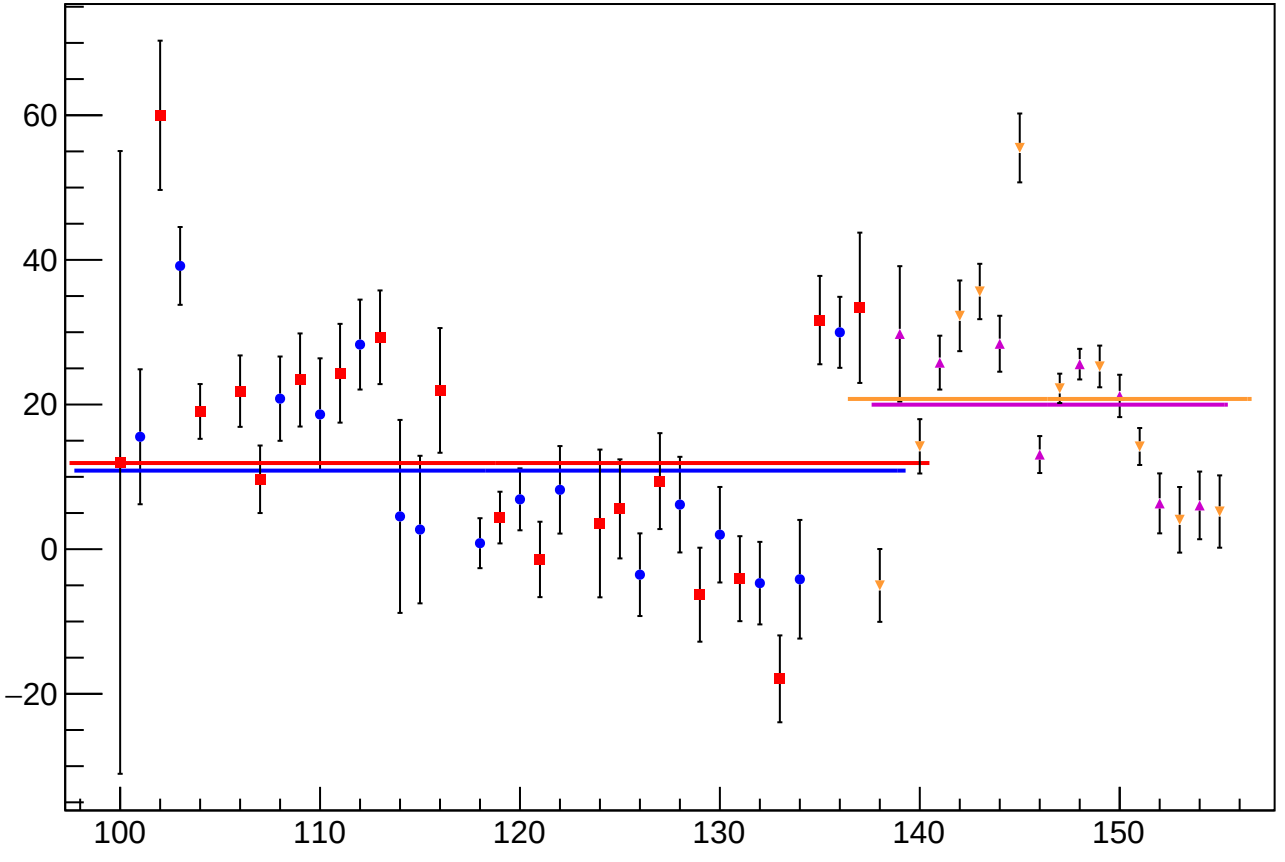
Left In: -277.335+/-1.802 χ^2/NDF:68.6/7

\+ sign -258.301+/-1.092 χ^2/NDF: 2195.1/25

All: -253.531+/-0.765 χ^2/NDF: 5063.7/52

\- sign -248.938+/-1.072 χ^2/NDF: 2831.3/26

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 20.773+/-1.073 χ^2/NDF:135.8/9

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

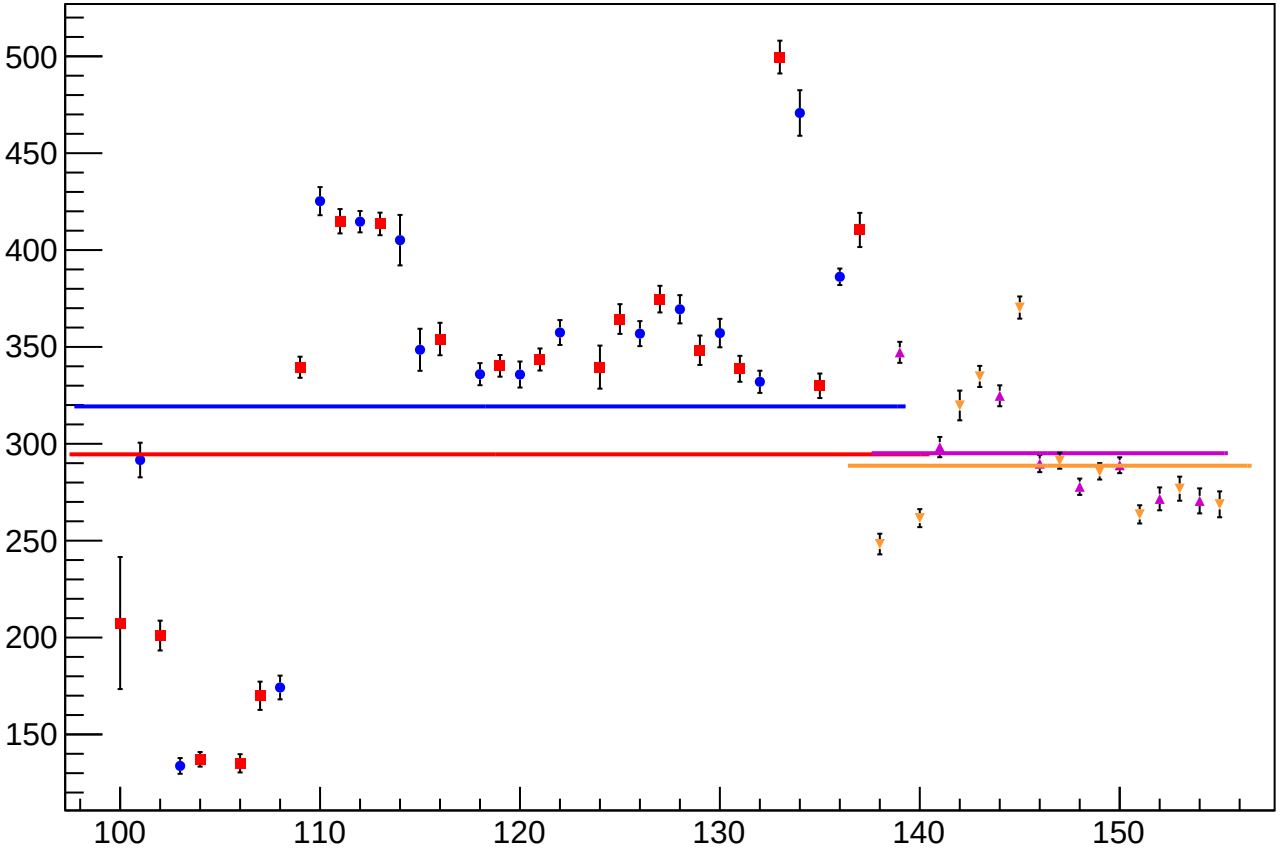
Left In: 19.981+/-1.157 χ^2/NDF:42.4/7

+ sign 17.332+/-0.867 χ^2/NDF: 250.1/25

All: 16.981+/-0.619 χ^2/NDF: 425.1/52

- sign 16.617+/-0.883 χ^2/NDF: 174.7/26

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 288.698+/-1.642 χ^2/NDF:424.6/9

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

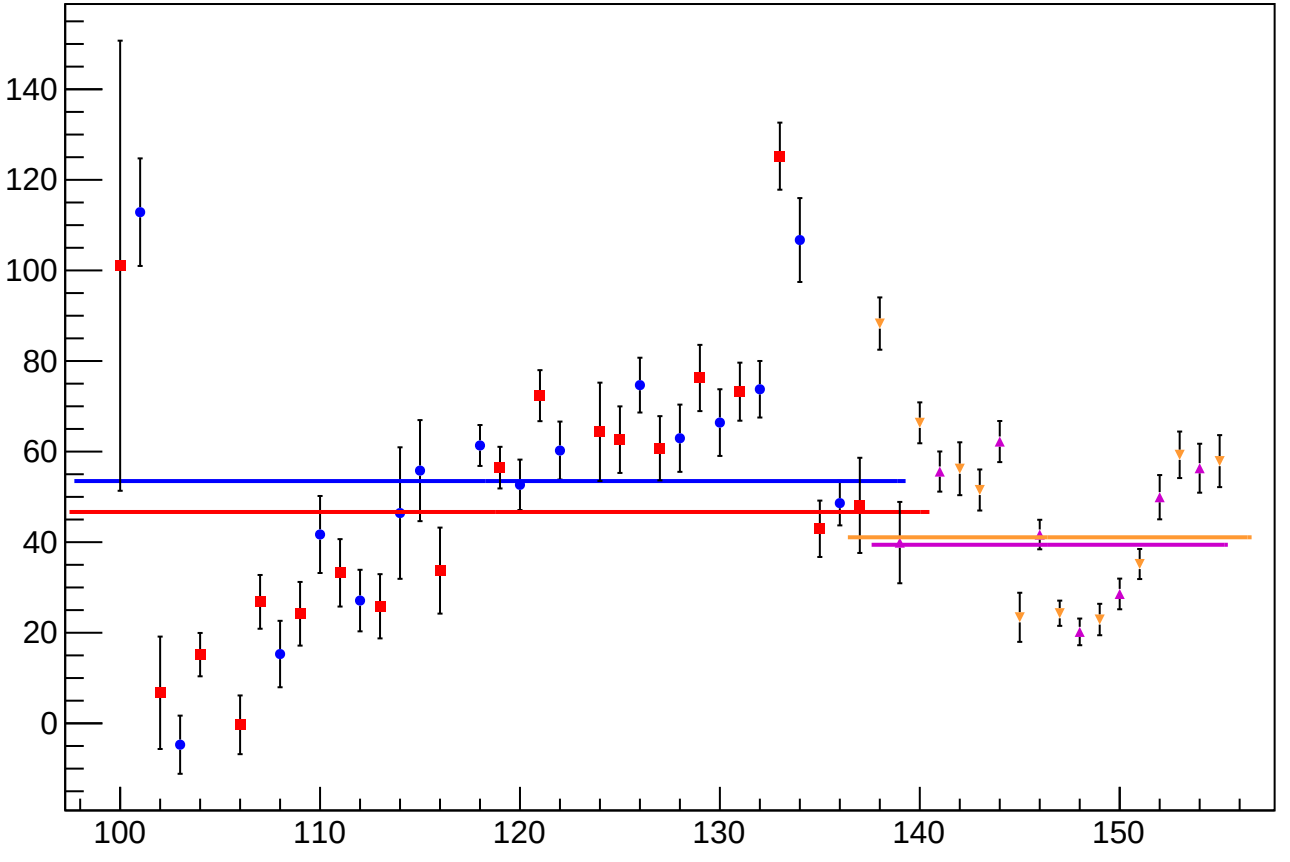
Left In: 295.146+/-1.751 χ^2/NDF:173.8/7

+ sign 304.528+/-1.141 χ^2/NDF: 4397.1/25

All: 299.626+/-0.803 χ^2/NDF: 10110.8/52

- sign 294.808+/-1.131 χ^2/NDF: 5677.0/26

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 41.079+/-1.334 χ^2/NDF:208.7/9

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

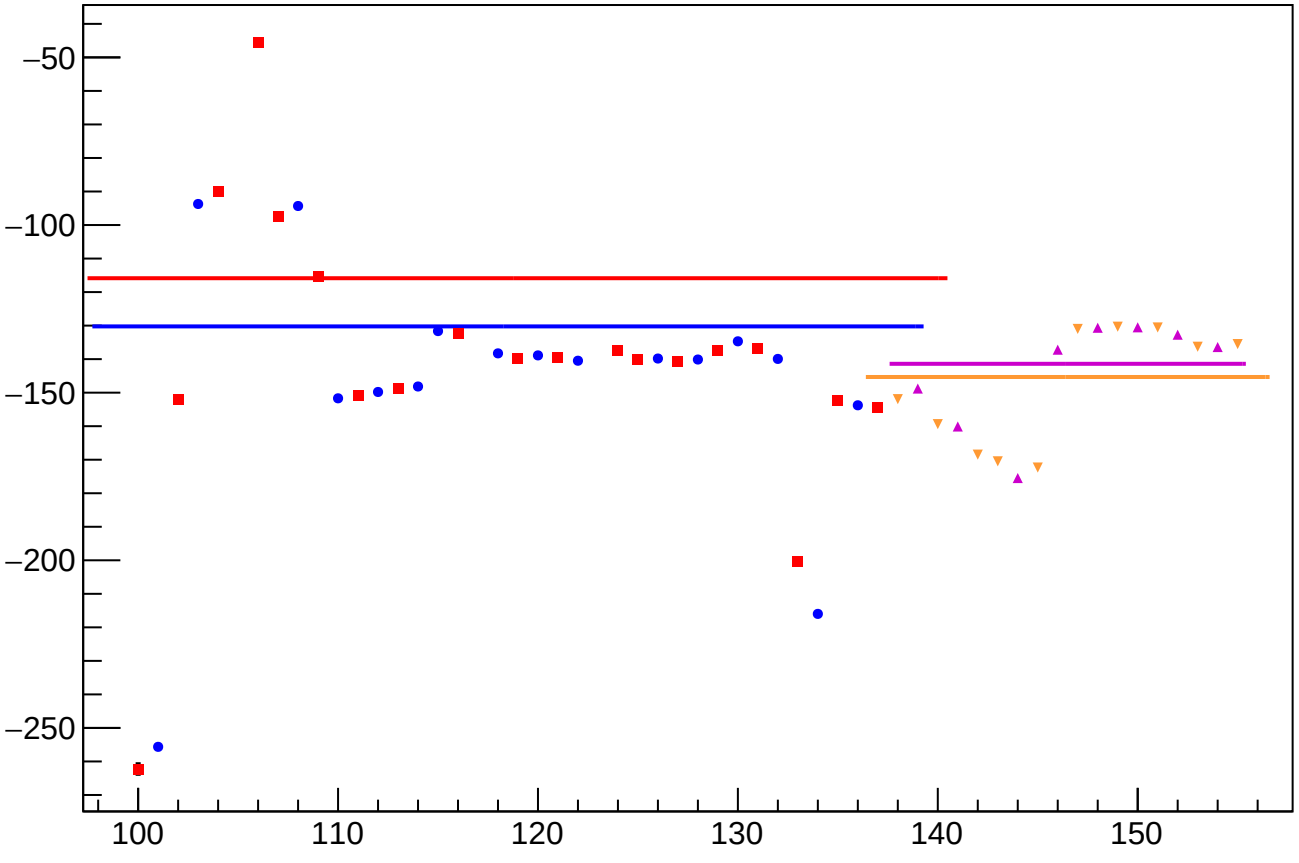
Left In: 39.425+/-1.436 χ^2/NDF:106.4/7

+ sign 45.813+/-1.049 χ^2/NDF: 459.0/25

All: 44.269+/-0.748 χ^2/NDF: 906.8/52

- sign 42.671+/-1.067 χ^2/NDF: 443.4/26

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -145.326+/-0.067 χ^2/NDF:60625.9/9

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

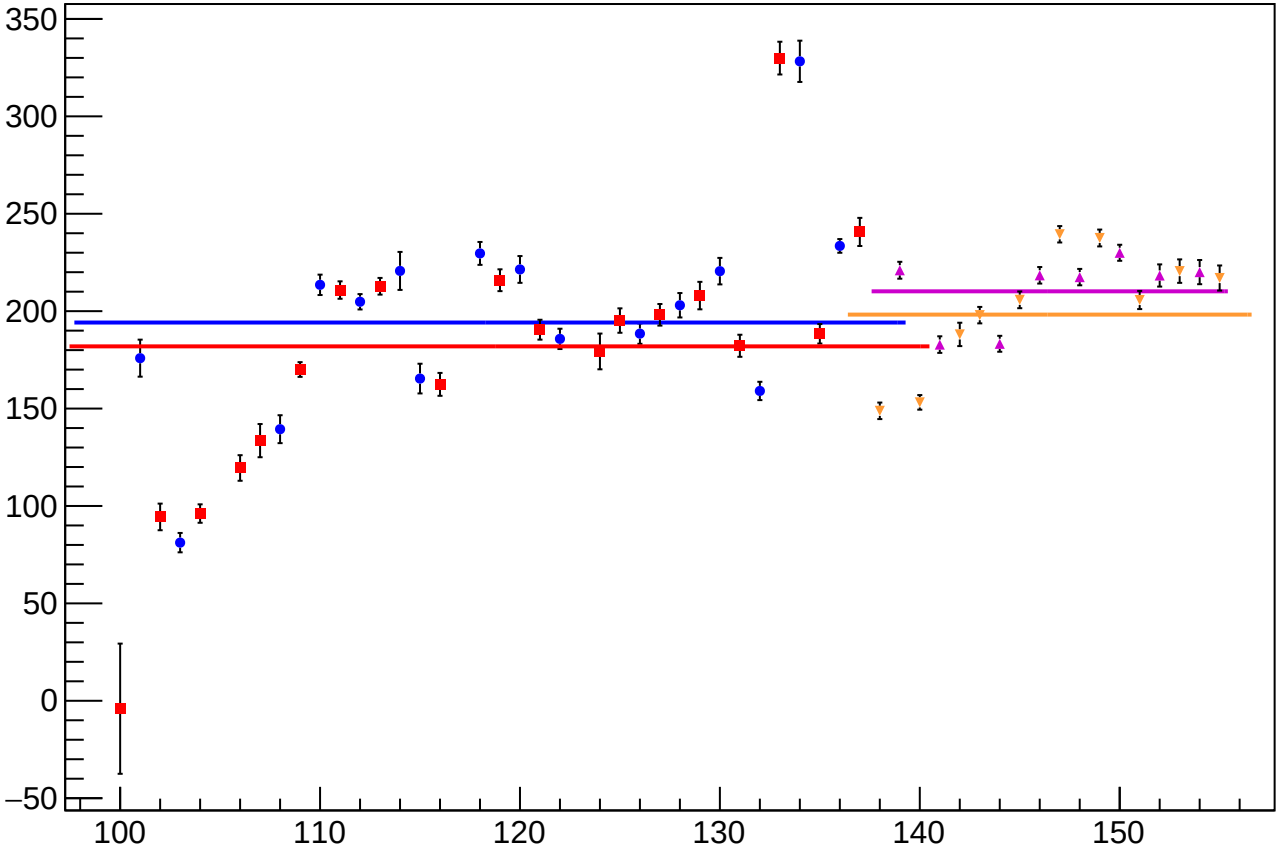
Left In: -141.394+/-0.069 χ^2/NDF:39875.0/7

+ sign -140.074+/-0.054 χ^2/NDF: 252729.5/25

All: -135.697+/-0.038 χ^2/NDF: 565407.1/52

- sign -131.288+/-0.054 χ^2/NDF: 299359.4/26

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 198.234+/-1.455 χ^2/NDF:489.5/9

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

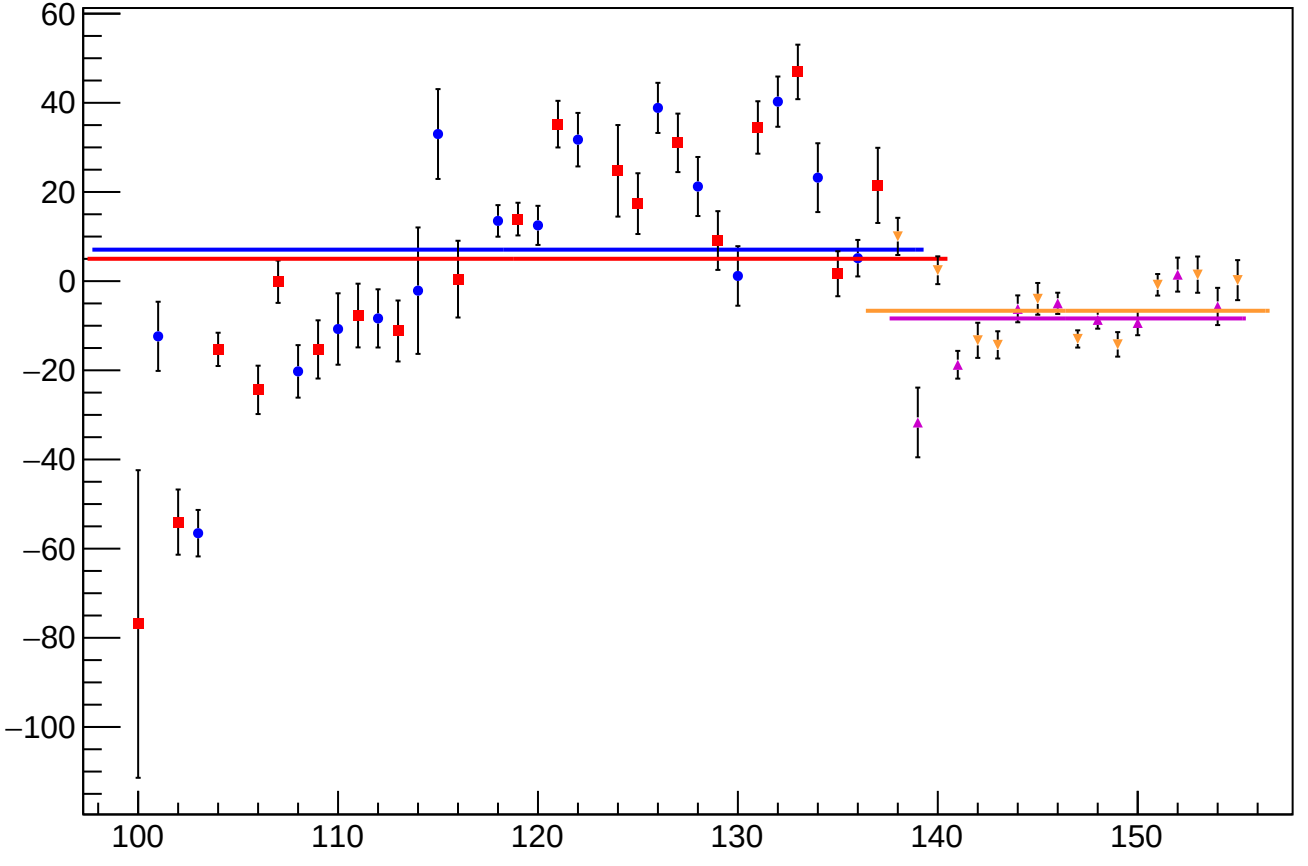
Left In: 210.181+/-1.589 χ^2/NDF:125.4/7

+ sign 196.131+/-1.011 χ^2/NDF: 1528.8/25

All: 194.814+/-0.717 χ^2/NDF: 3049.2/52

- sign 193.485+/-1.016 χ^2/NDF: 1517.1/26

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -6.645+/-0.957 χ^2/NDF:64.5/9

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

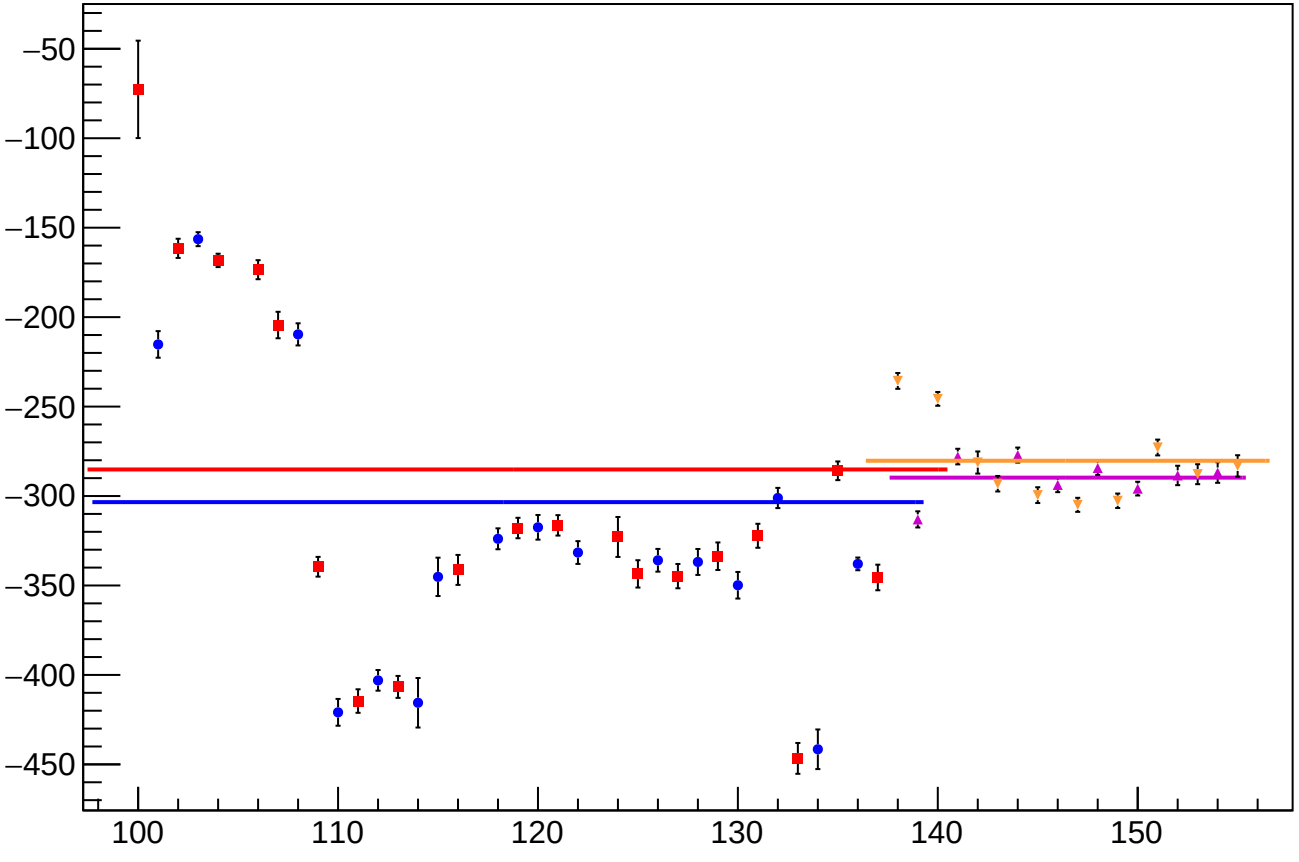
Left In: -8.369+/-1.044 χ^2/NDF:29.8/7

+ sign -2.456+/-0.797 χ^2/NDF: 419.8/25

All: -2.904+/-0.574 χ^2/NDF: 800.0/52

- sign -3.385+/-0.827 χ^2/NDF: 379.6/26

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.278+/-1.434 χ^2/NDF:284.9/9

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

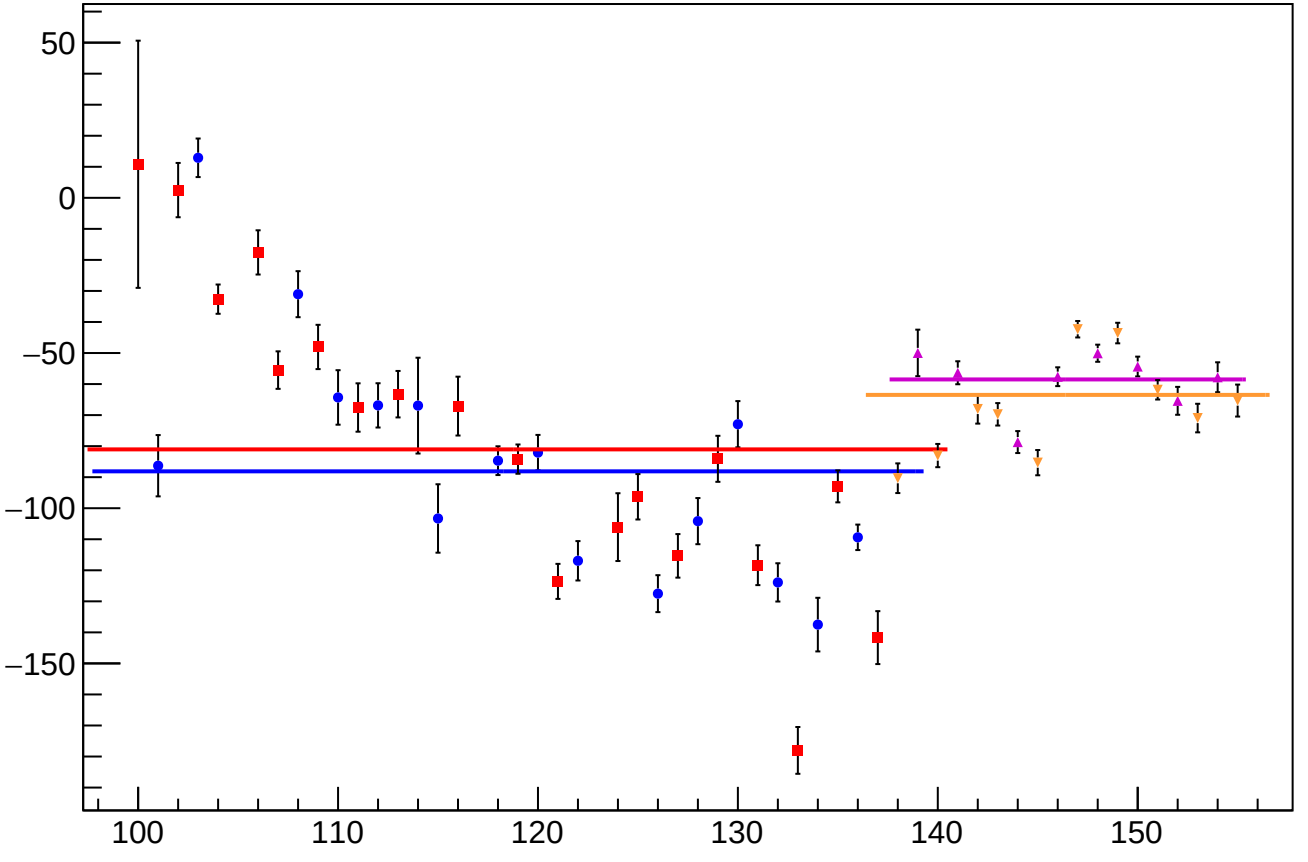
Left In: -289.721+/-1.553 χ^2/NDF:48.7/7

+ sign -291.095+/-1.046 χ^2/NDF: 3192.1/25

All: -289.212+/-0.745 χ^2/NDF: 7006.7/52

- sign -287.280+/-1.060 χ^2/NDF: 3808.1/26

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -63.490+/-1.181 χ^2/NDF:194.4/9

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

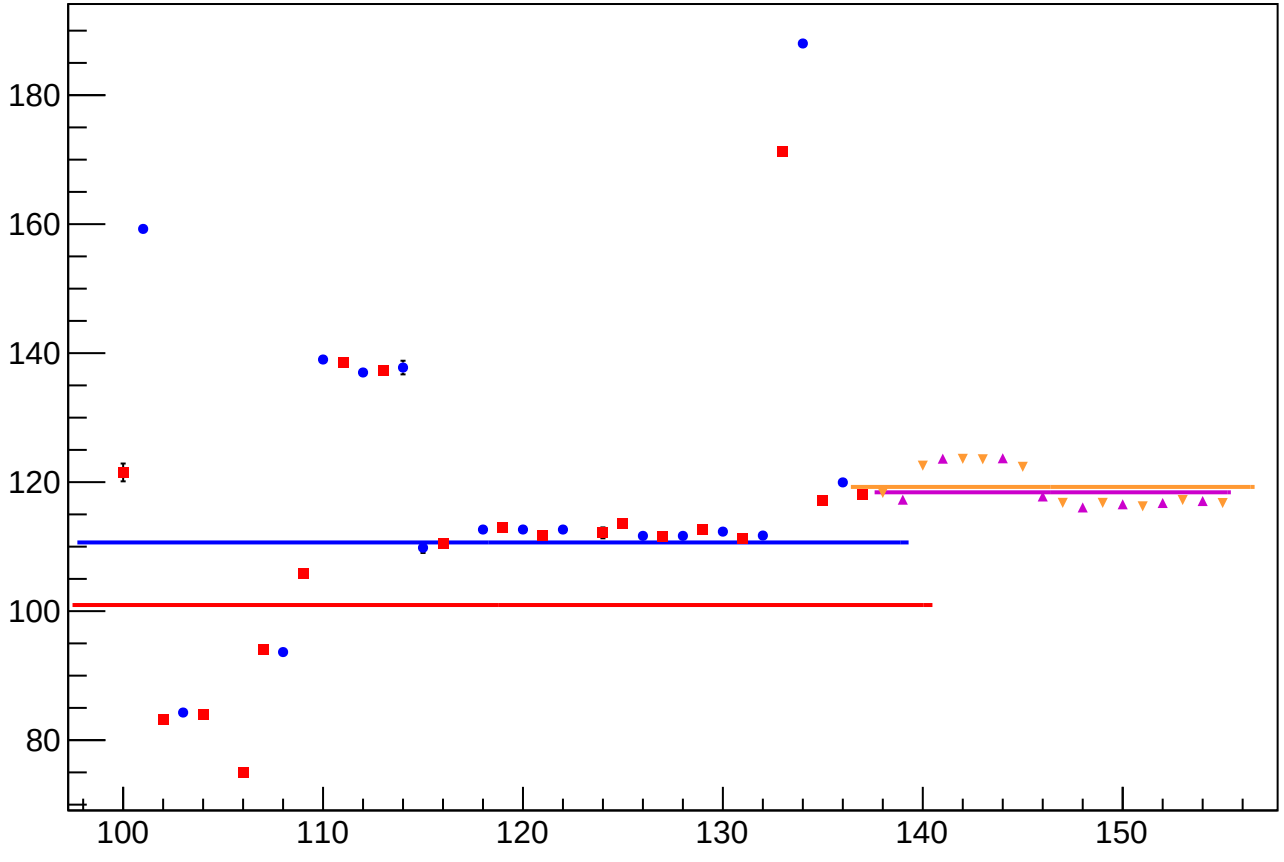
Left In: -58.510+/-1.289 χ^2/NDF:47.7/7

+ sign -71.798+/-0.961 χ^2/NDF: 853.0/25

All: -69.770+/-0.692 χ^2/NDF: 1710.7/52

- sign -67.592+/-0.996 χ^2/NDF: 848.4/26

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.260+/-0.058 χ^2/NDF:2545.1/9

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

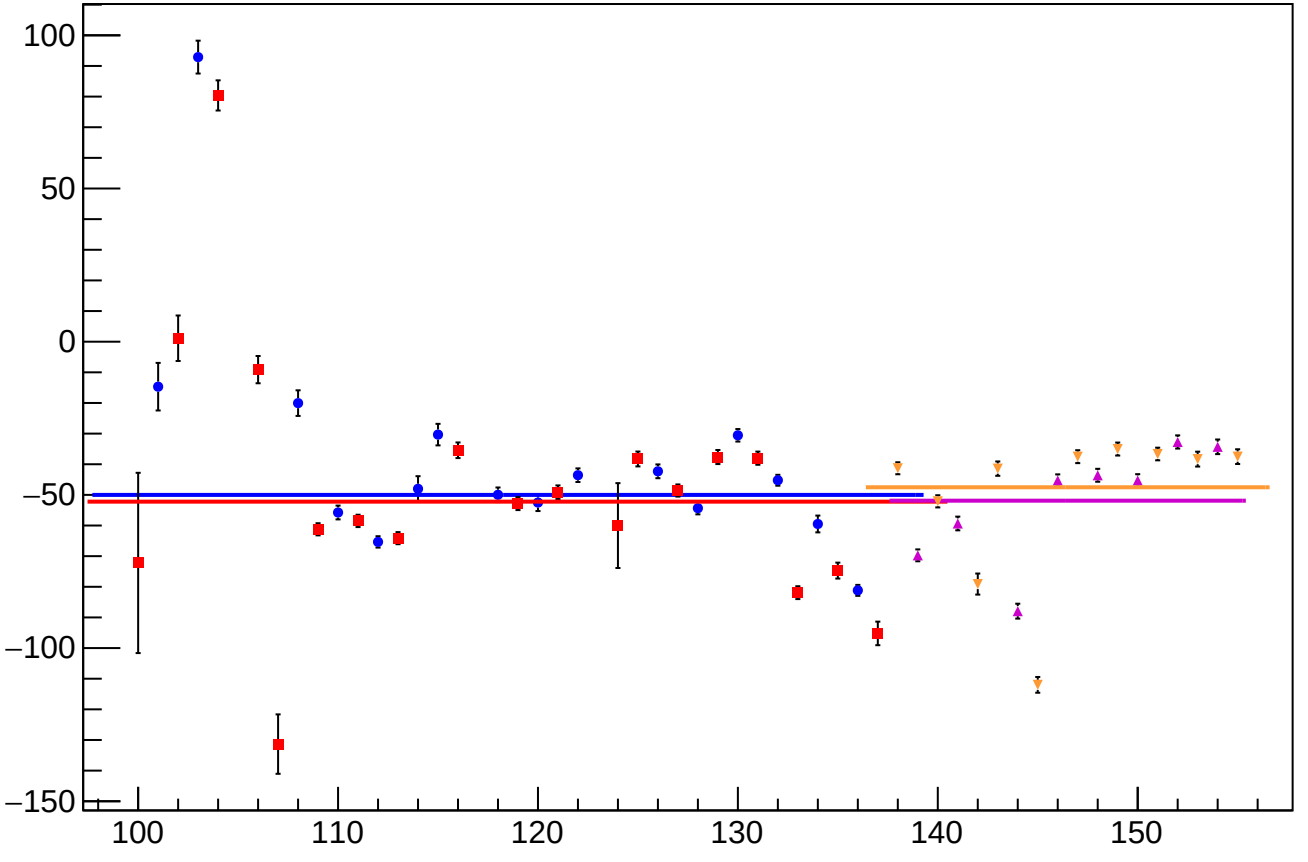
Left In: 118.425+/-0.062 χ^2/NDF:2179.2/7

+ sign 116.554+/-0.048 χ^2/NDF: 92966.5/25

All: 114.329+/-0.034 χ^2/NDF: 191015.1/52

- sign 112.021+/-0.049 χ^2/NDF: 93693.0/26

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -47.516+/-0.715 χ^2/NDF:851.2/9

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

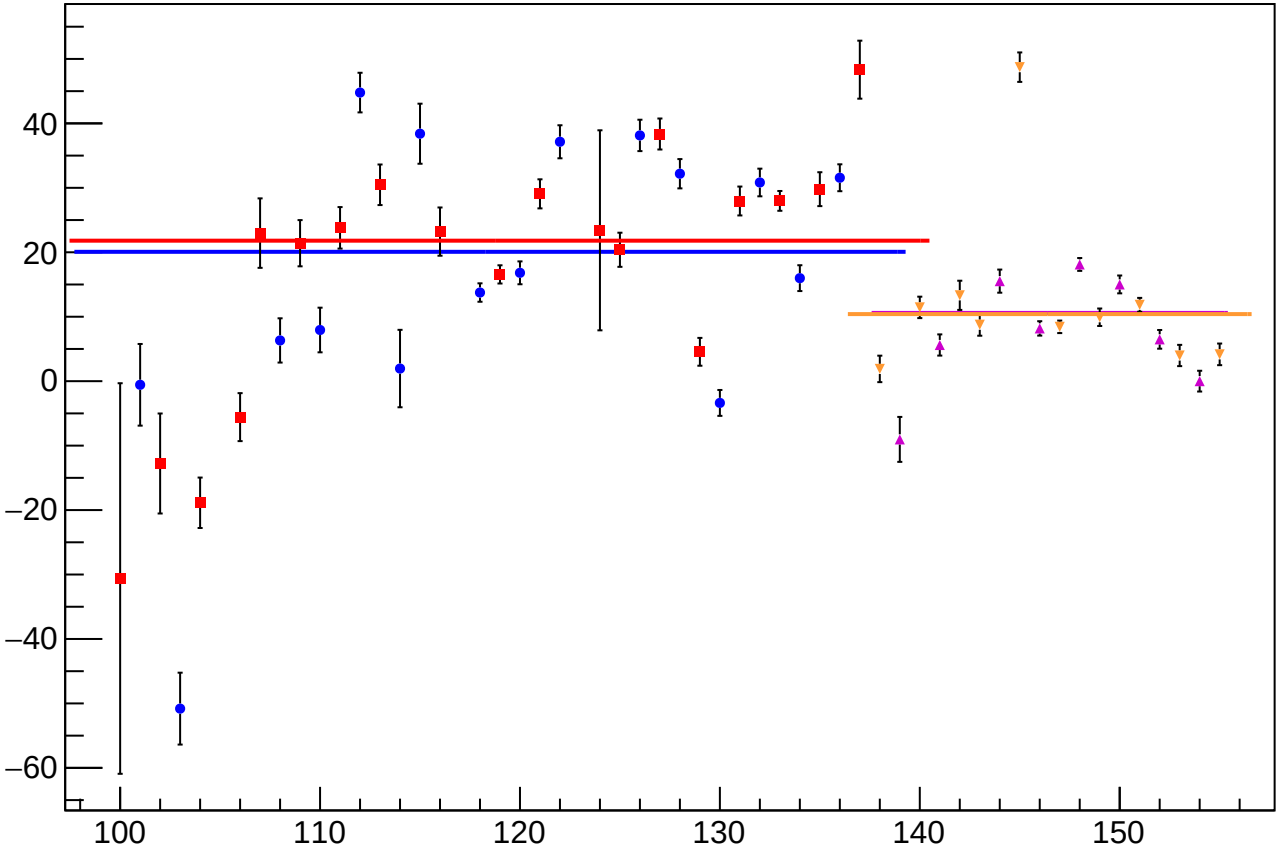
Left In: -51.894+/-0.758 χ^2/NDF:485.5/7

+ sign -48.958+/-0.464 χ^2/NDF: 2185.6/25

All: -50.492+/-0.331 χ^2/NDF: 4263.8/52

- sign -52.085+/-0.473 χ^2/NDF: 2055.9/26

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 10.408+/-0.470 χ^2/NDF:336.2/9

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

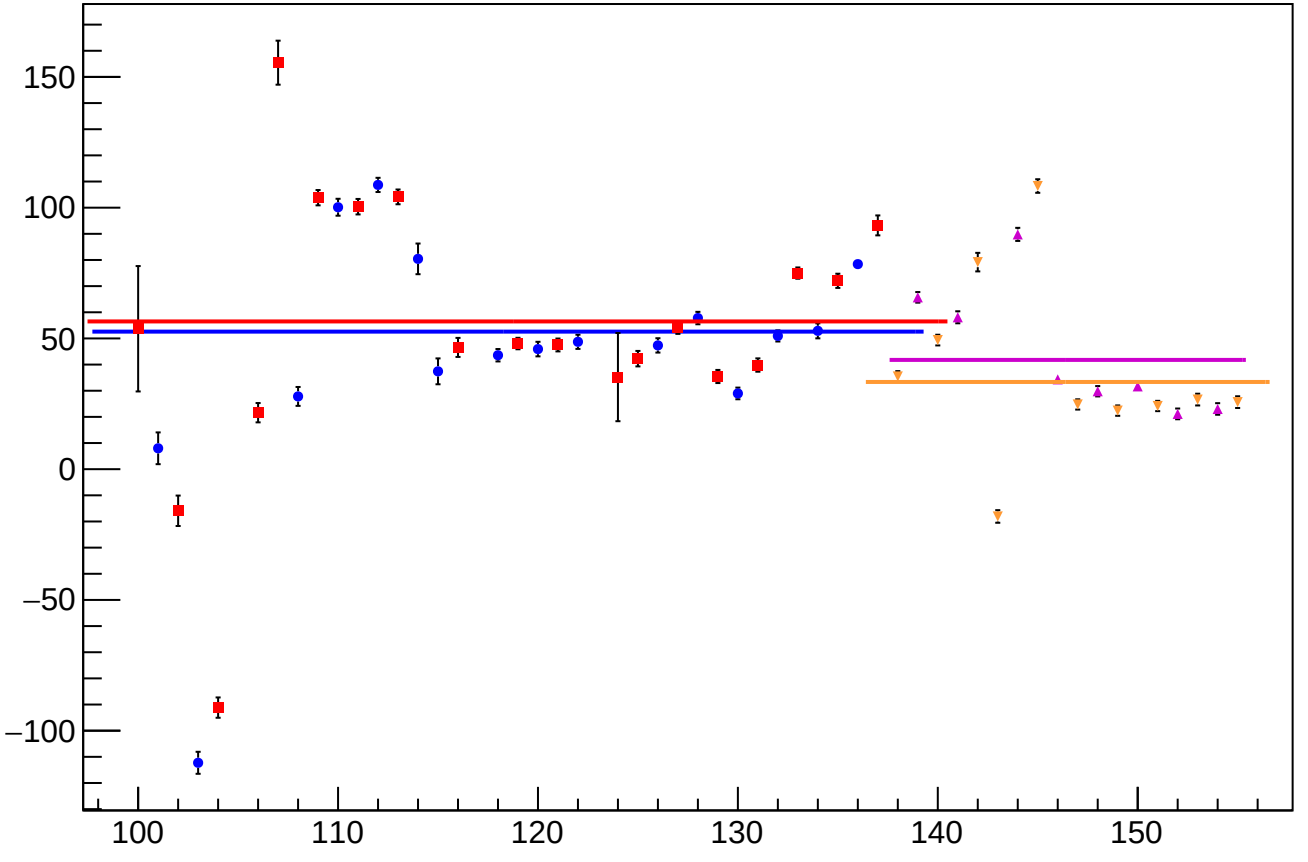
Left In: 10.591+/-0.503 χ^2/NDF:171.2/7

\+ sign 13.997+/-0.373 χ^2/NDF: 1129.2/25

All: 14.485+/-0.270 χ^2/NDF: 1896.8/52

\- sign 15.022+/-0.391 χ^2/NDF: 763.9/26

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 33.355+/-0.699 χ^2/NDF:1610.2/9

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

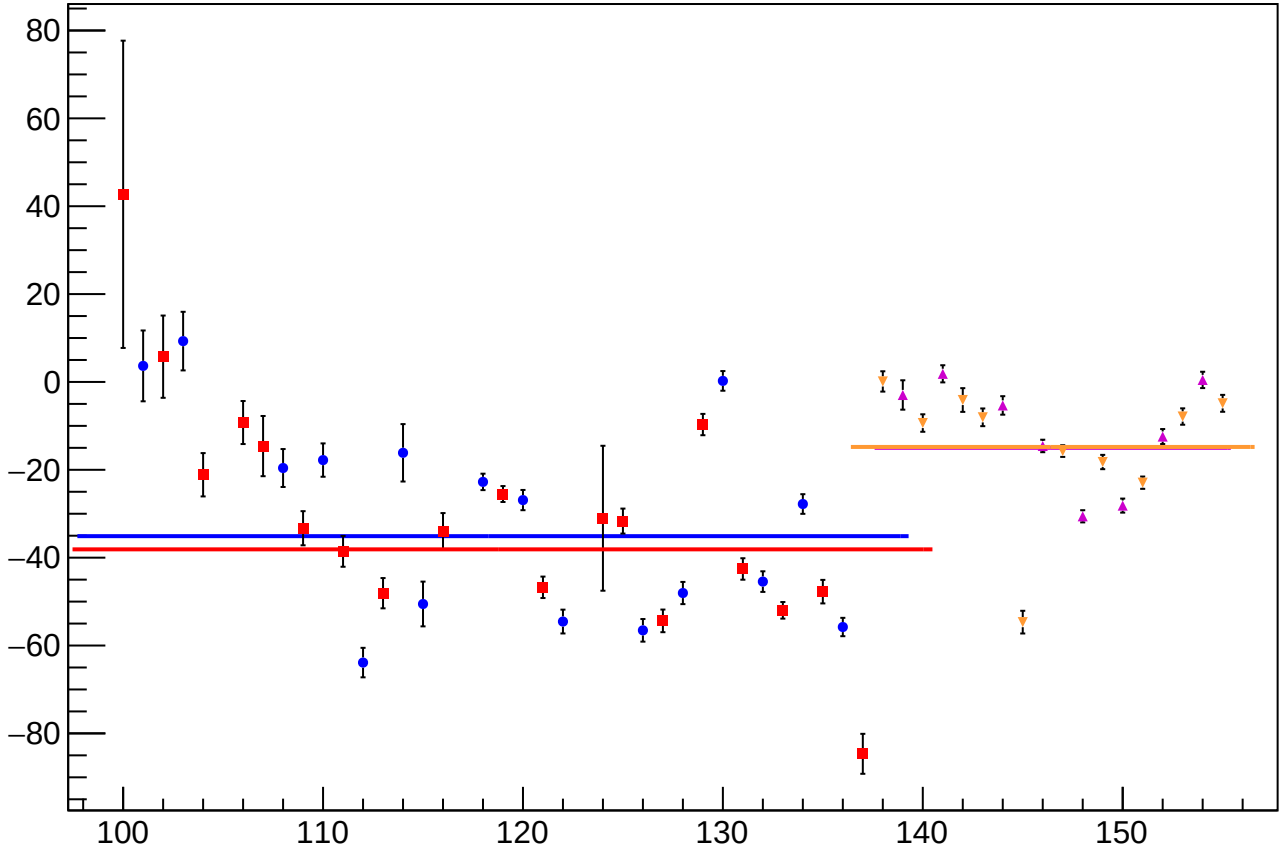
Left In: 41.788+/-0.738 χ^2/NDF:810.2/7

\+ sign 43.017+/-0.493 χ^2/NDF: 4650.2/25

All: 46.138+/-0.355 χ^2/NDF: 8716.4/52

\- sign 49.473+/-0.510 χ^2/NDF: 3983.4/26

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.795+/-0.579 χ^2/NDF:393.3/9

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

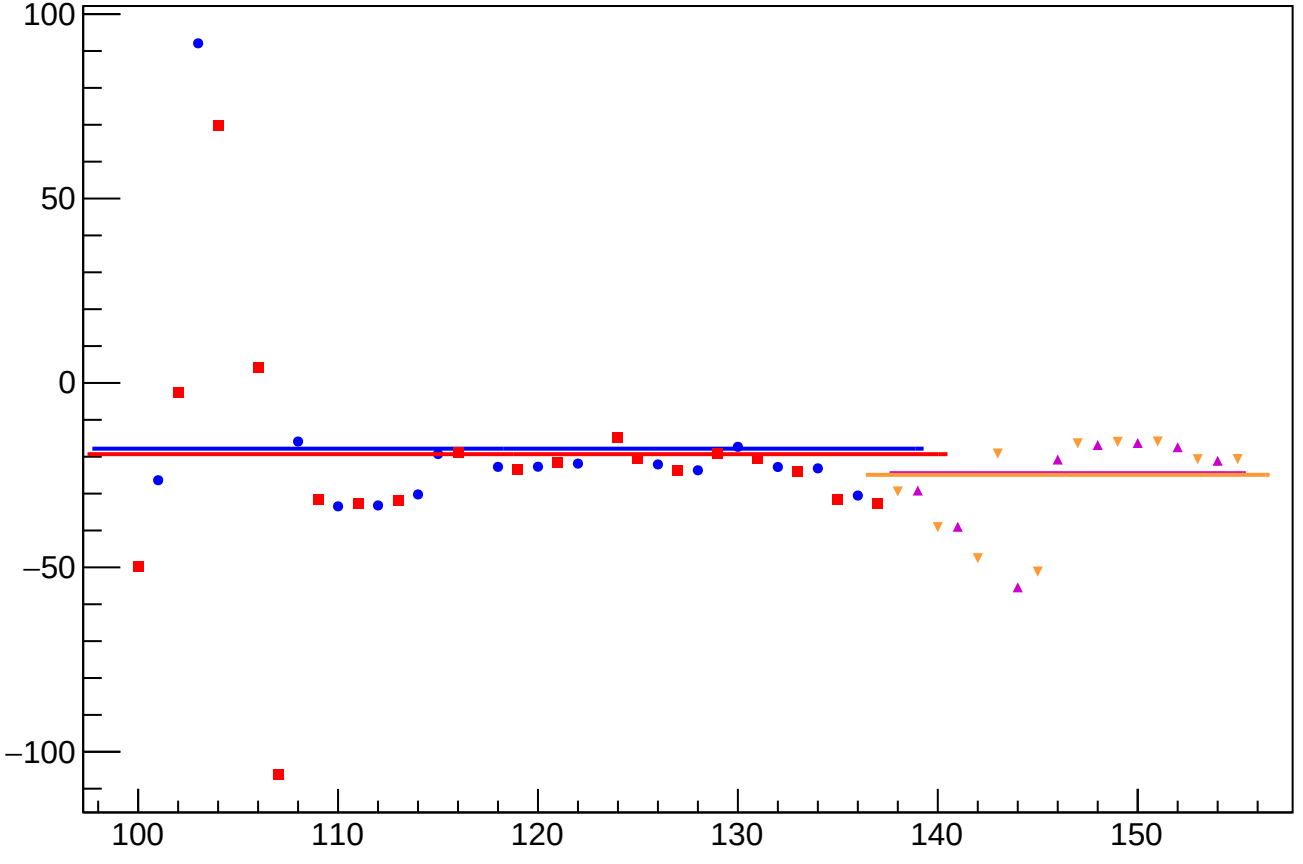
Left In: -14.998+/-0.618 χ^2/NDF:374.0/7

+ sign -23.044+/-0.446 χ^2/NDF: 1666.2/25

All: -23.931+/-0.323 χ^2/NDF: 3162.0/52

- sign -24.904+/-0.467 χ^2/NDF: 1487.5/26

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -24.910+/-0.028 χ^2/NDF:162241.1/9

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

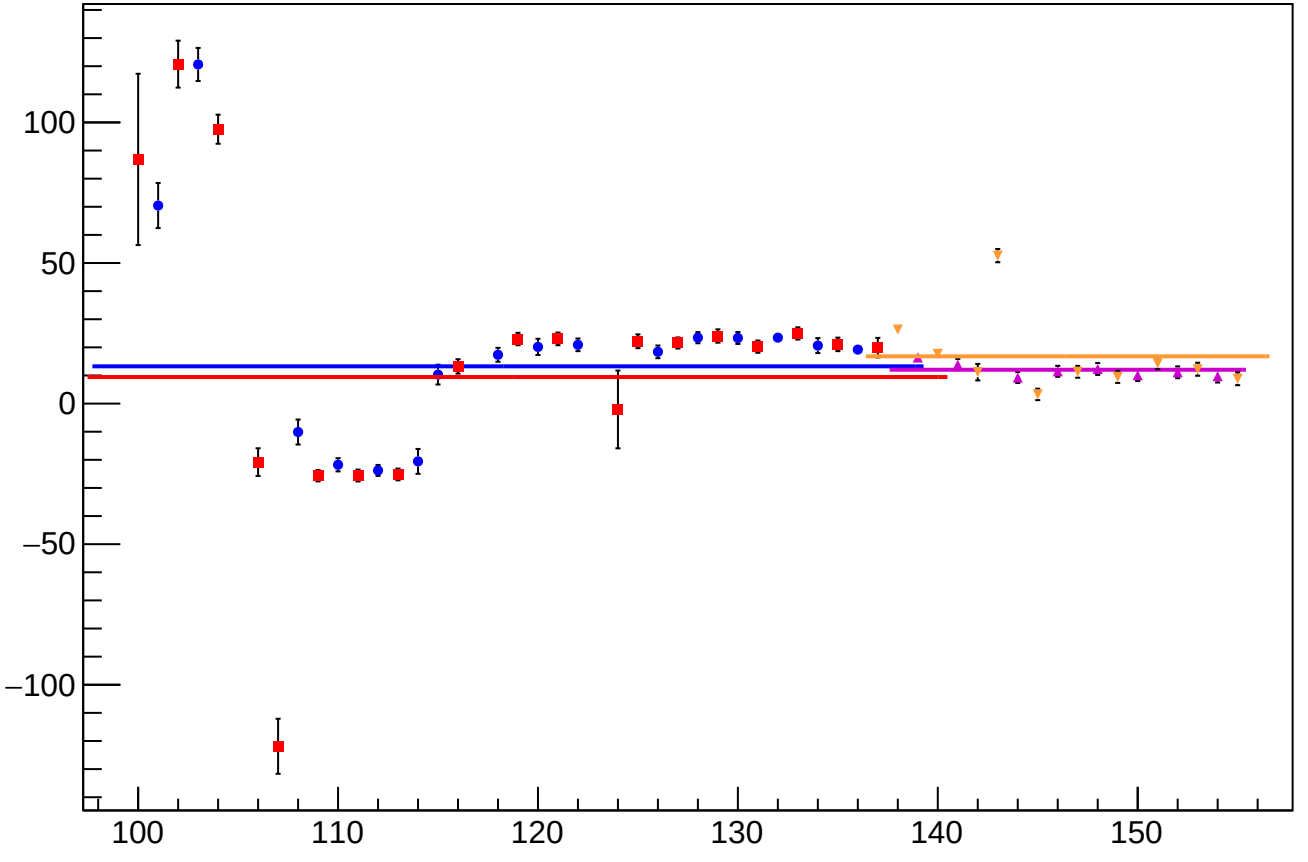
Left In: -24.465+/-0.029 χ^2/NDF:137571.8/7

+ sign -22.854+/-0.023 χ^2/NDF: 607461.7/25

All: -22.938+/-0.017 χ^2/NDF: 1098711.8/52

- sign -23.030+/-0.024 χ^2/NDF: 491222.9/26

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.813+/-0.670 χ^2/NDF:342.8/9

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

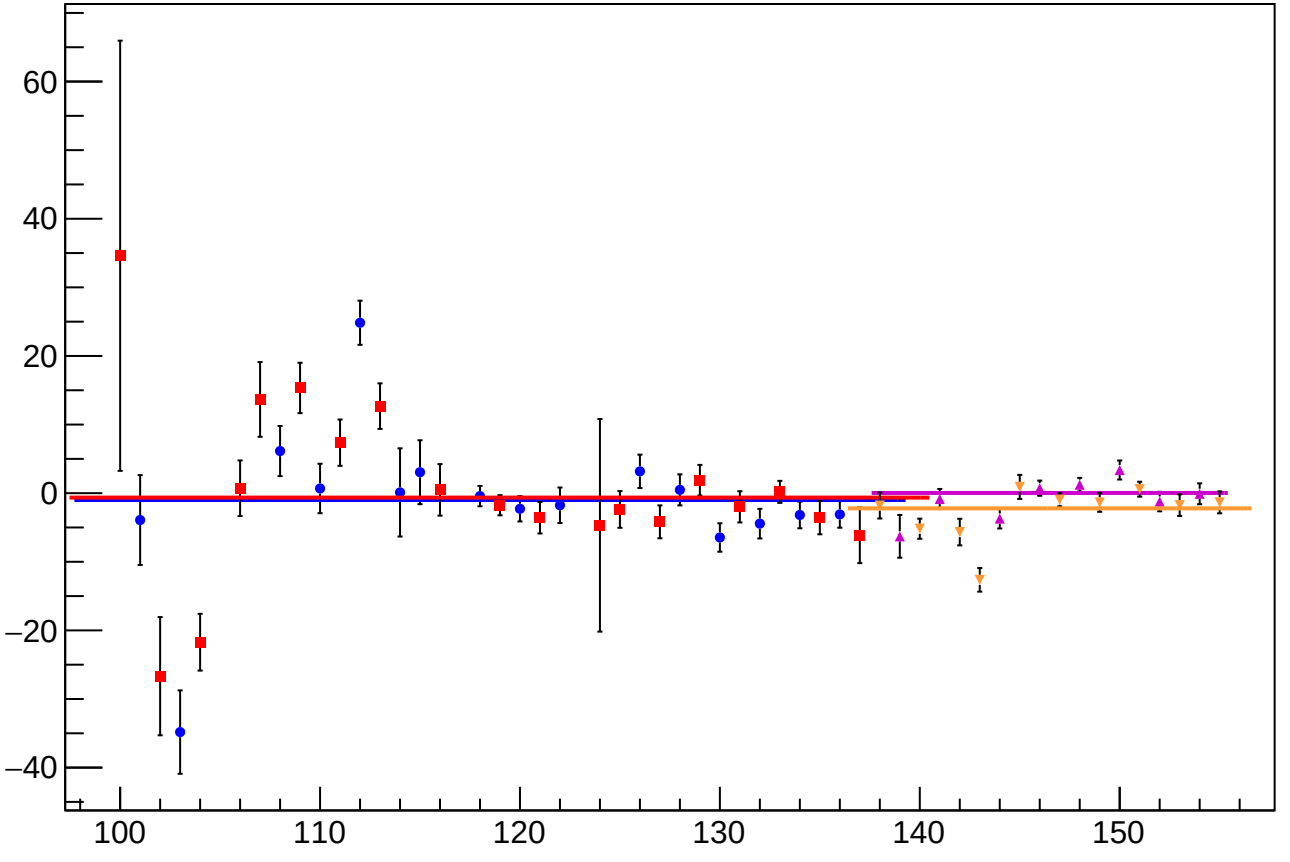
Left In: 12.035+/-0.708 χ^2/NDF:11.4/7

+ sign 14.878+/-0.453 χ^2/NDF: 1540.7/25

All: 12.774+/-0.324 χ^2/NDF: 3440.6/52

- sign 10.563+/-0.464 χ^2/NDF: 1855.7/26

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.213+/-0.451 χ^2/NDF:56.3/9

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

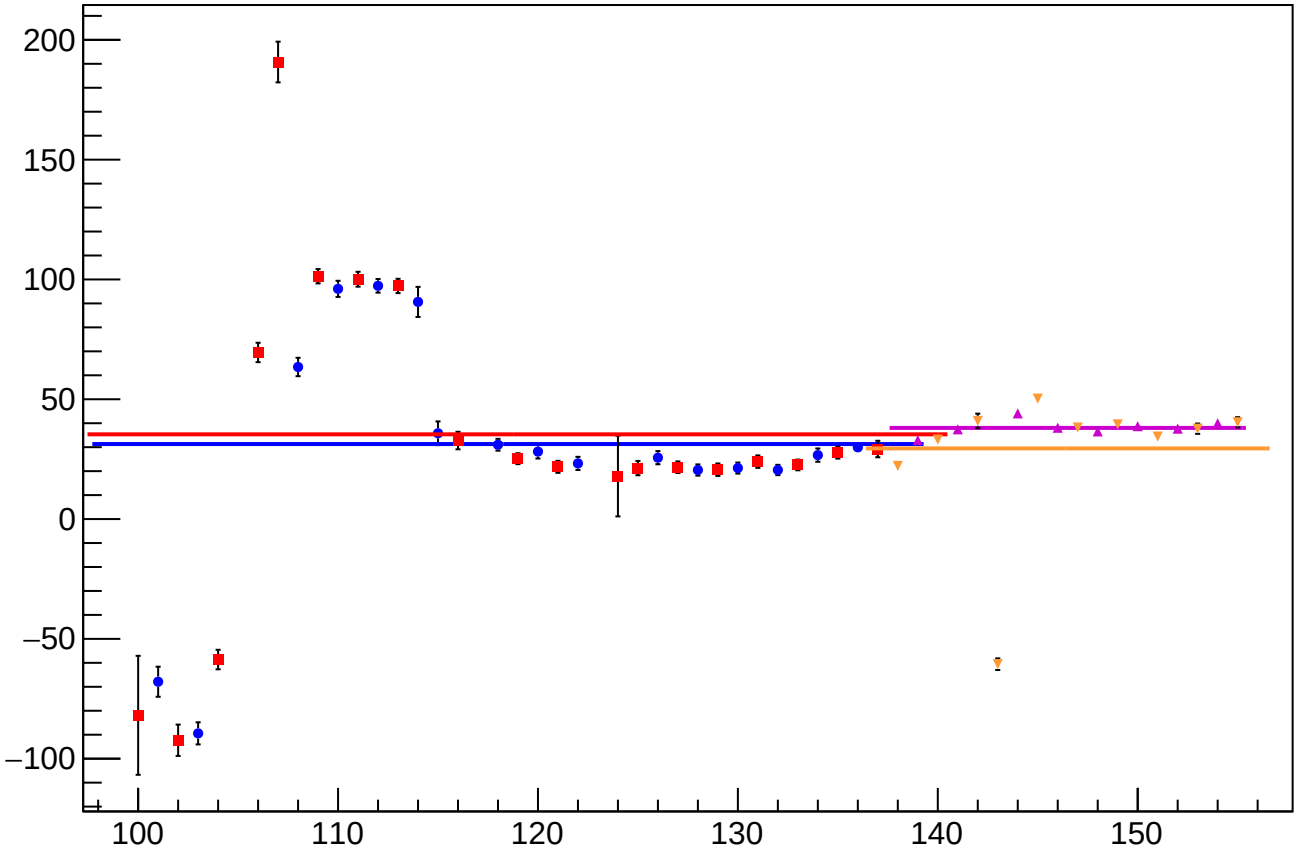
Left In: 0.033+/-0.481 χ^2/NDF:19.6/7

+ sign -1.790+/-0.365 χ^2/NDF: 175.2/25

All: -1.041+/-0.264 χ^2/NDF: 298.6/52

- sign -0.214+/-0.383 χ^2/NDF: 114.6/26

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 29.491+/-0.658 χ^2/NDF:1602.9/9

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

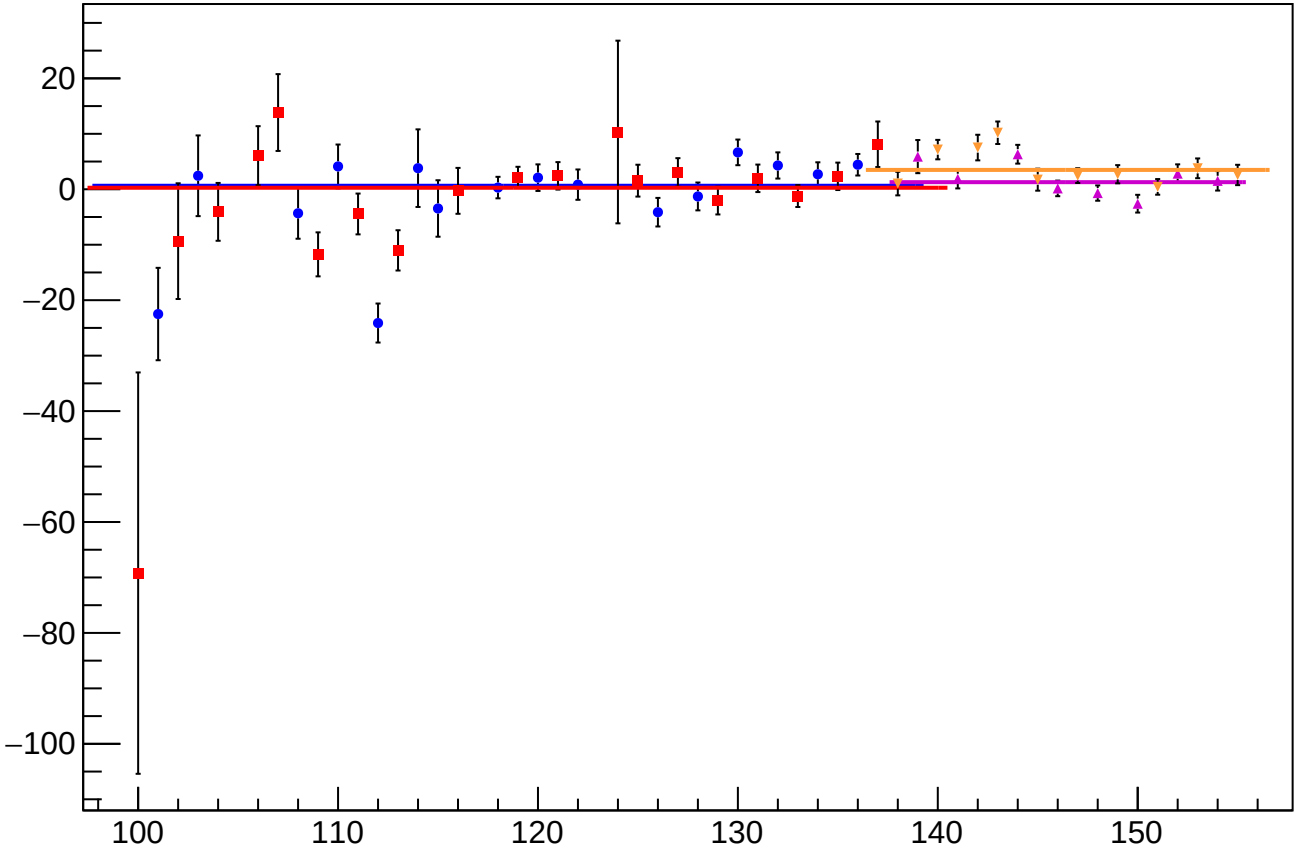
Left In: 38.044+/-0.692 χ^2/NDF:18.8/7

+ sign 30.344+/-0.480 χ^2/NDF: 3692.3/25

All: 33.428+/-0.345 χ^2/NDF: 6701.9/52

- sign 36.753+/-0.498 χ^2/NDF: 2923.7/26

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.491+/-0.552 χ^2/NDF:26.3/9

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

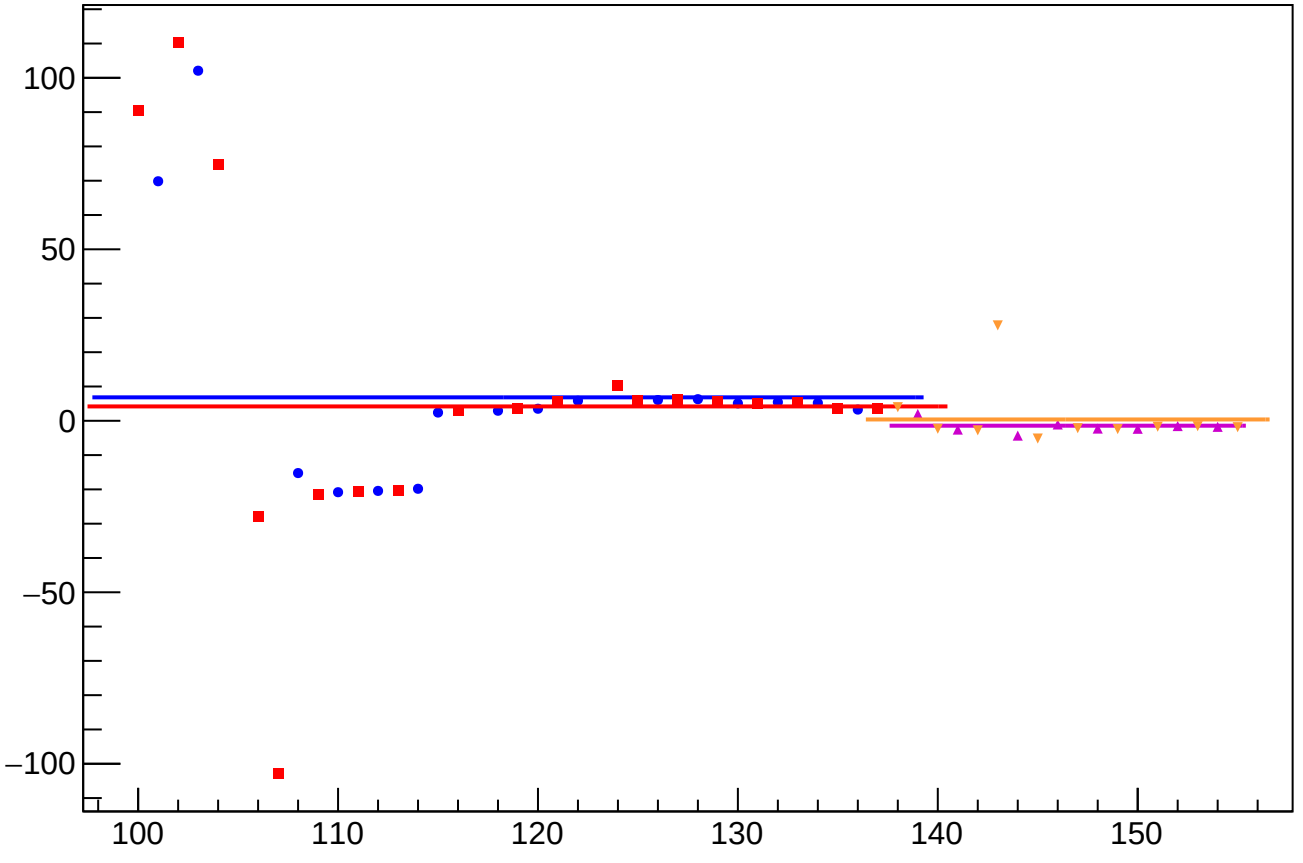
Left In: 1.281+/-0.588 χ^2/NDF:20.8/7

+ sign 2.403+/-0.435 χ^2/NDF: 114.9/25

All: 1.681+/-0.315 χ^2/NDF: 183.1/52

- sign 0.883+/-0.457 χ^2/NDF: 62.4/26

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.389+/-0.026 χ^2/NDF:87346.5/9

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

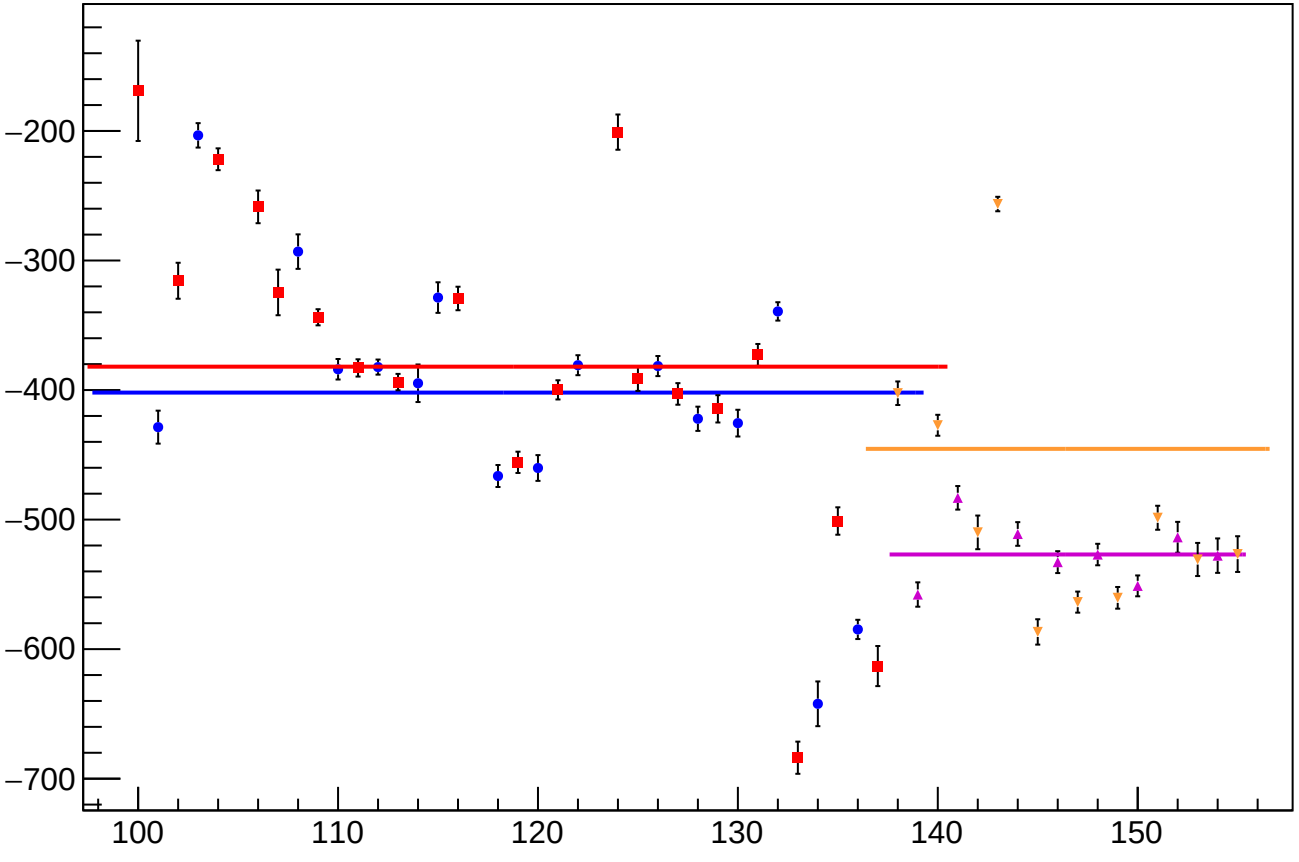
Left In: -1.429+/-0.027 χ^2/NDF:4355.5/7

+ sign 2.124+/-0.022 χ^2/NDF: 424860.8/25

All: 1.106+/-0.016 χ^2/NDF: 879169.9/52

- sign -0.010+/-0.023 χ^2/NDF: 449911.7/26

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -445.393+/-2.793 χ^2/NDF:1917.3/9

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

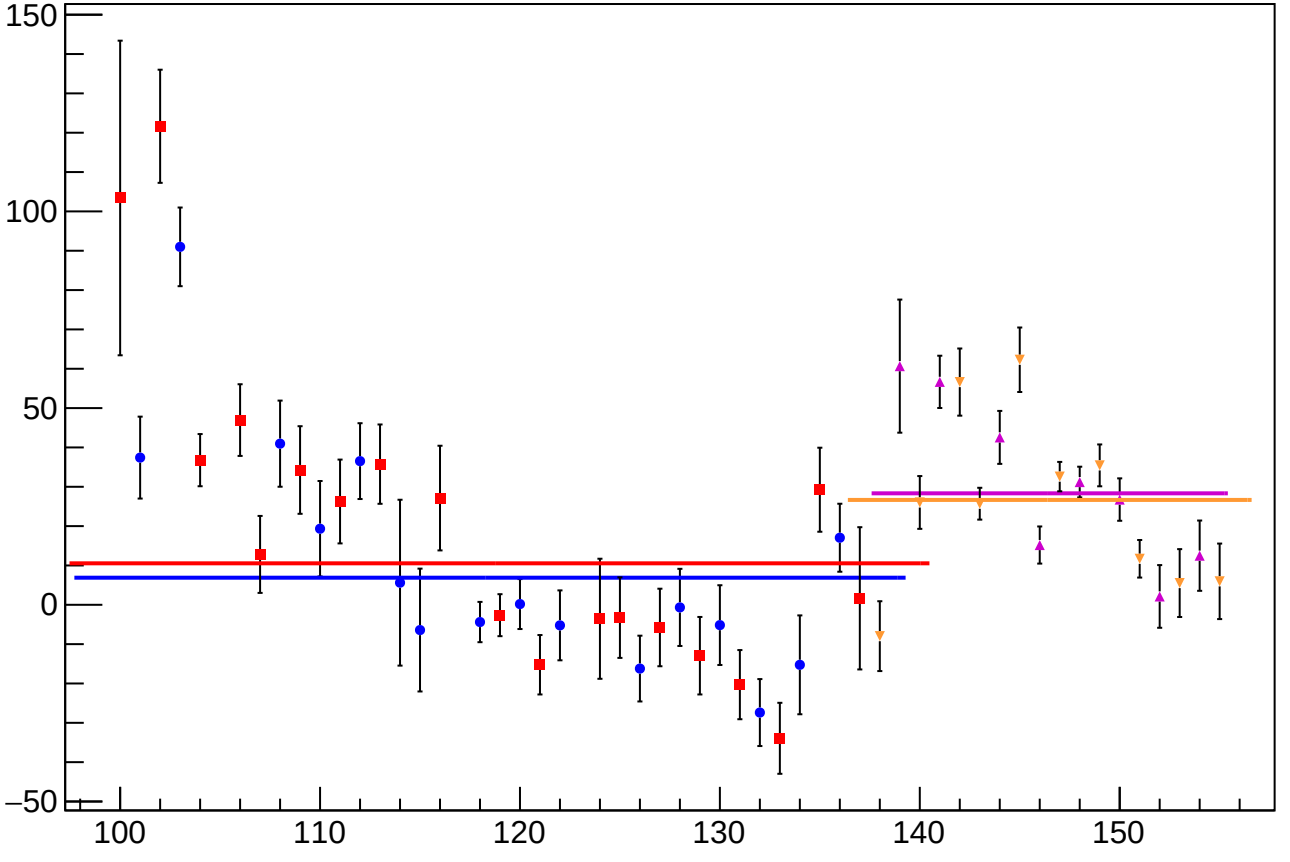
Left In: -526.924+/-3.296 χ^2/NDF:47.7/7

+ sign -418.927+/-1.745 χ^2/NDF: 3628.0/25

All: -421.647+/-1.248 χ^2/NDF: 6864.8/52

- sign -424.494+/-1.786 χ^2/NDF: 3231.8/26

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 26.658+/-1.826 χ^2/NDF:72.2/9

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

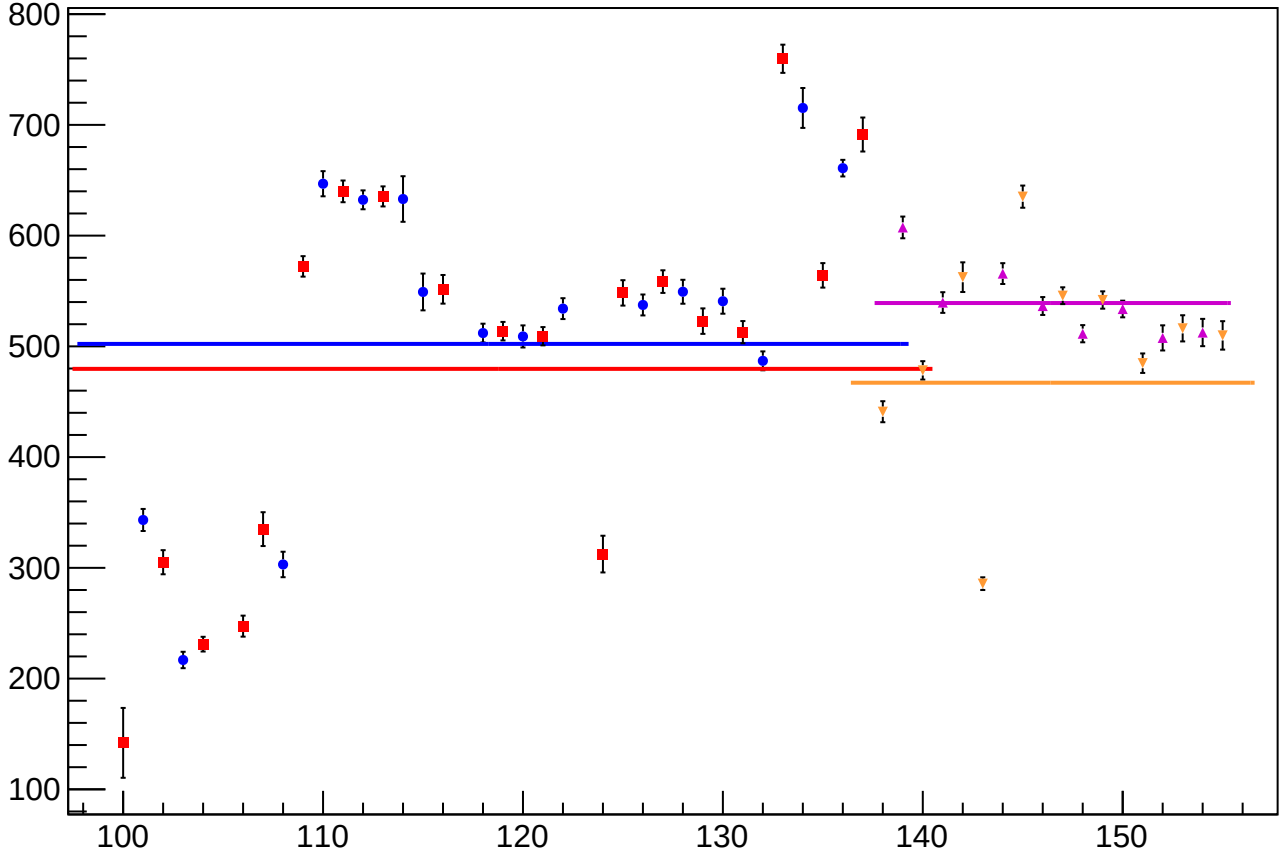
Left In: 28.337+/-2.125 χ^2/NDF:48.7/7

+ sign 18.865+/-1.422 χ^2/NDF: 256.8/25

All: 19.269+/-1.041 χ^2/NDF: 519.6/52

- sign 19.736+/-1.527 χ^2/NDF: 262.6/26

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 467.172+/-2.760 χ^2/NDF:1569.9/9

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

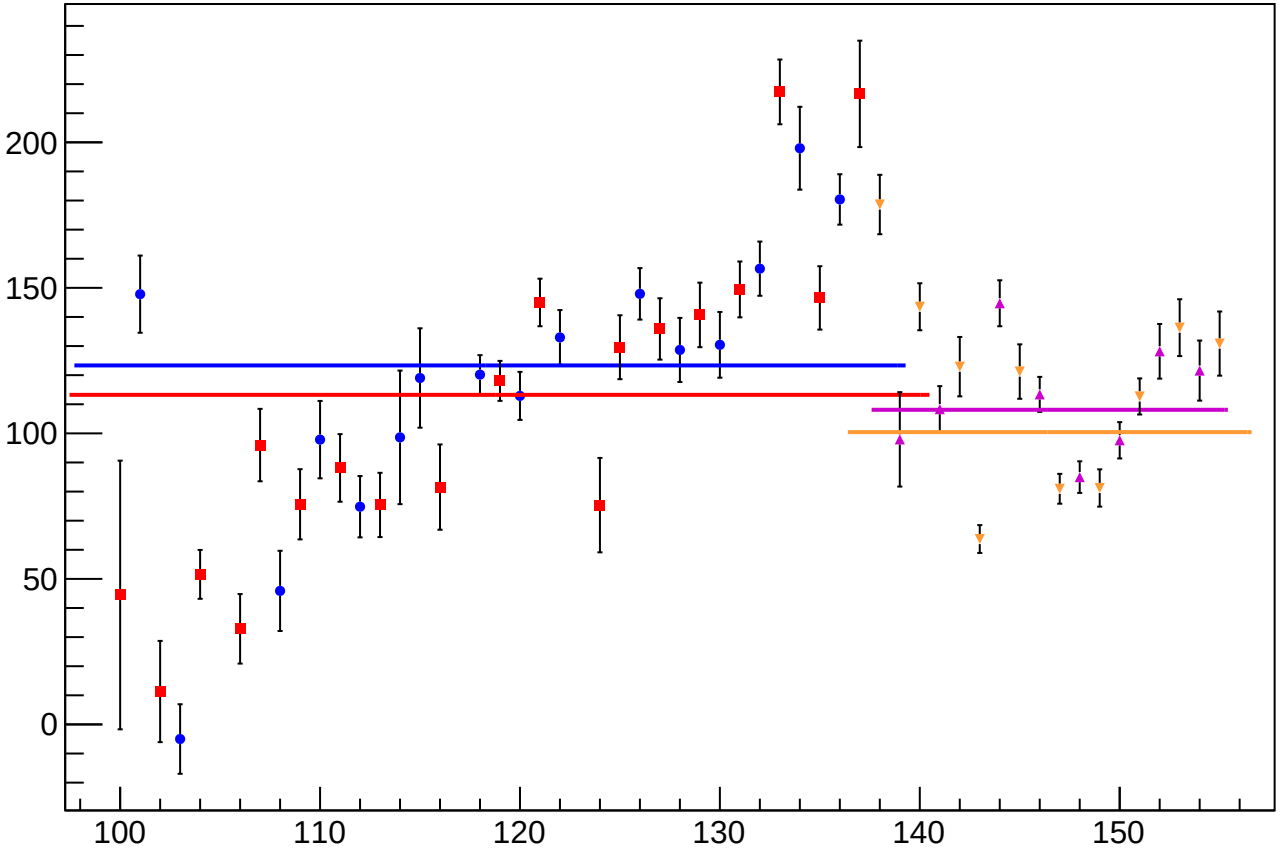
Left In: 539.129+/-3.209 χ^2/NDF:82.2/7

+ sign 486.469+/-1.850 χ^2/NDF: 4793.8/25

All: 493.455+/-1.333 χ^2/NDF: 9264.4/52

- sign 500.994+/-1.922 χ^2/NDF: 4440.9/26

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 100.431+/-2.254 χ^2/NDF:204.3/9

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

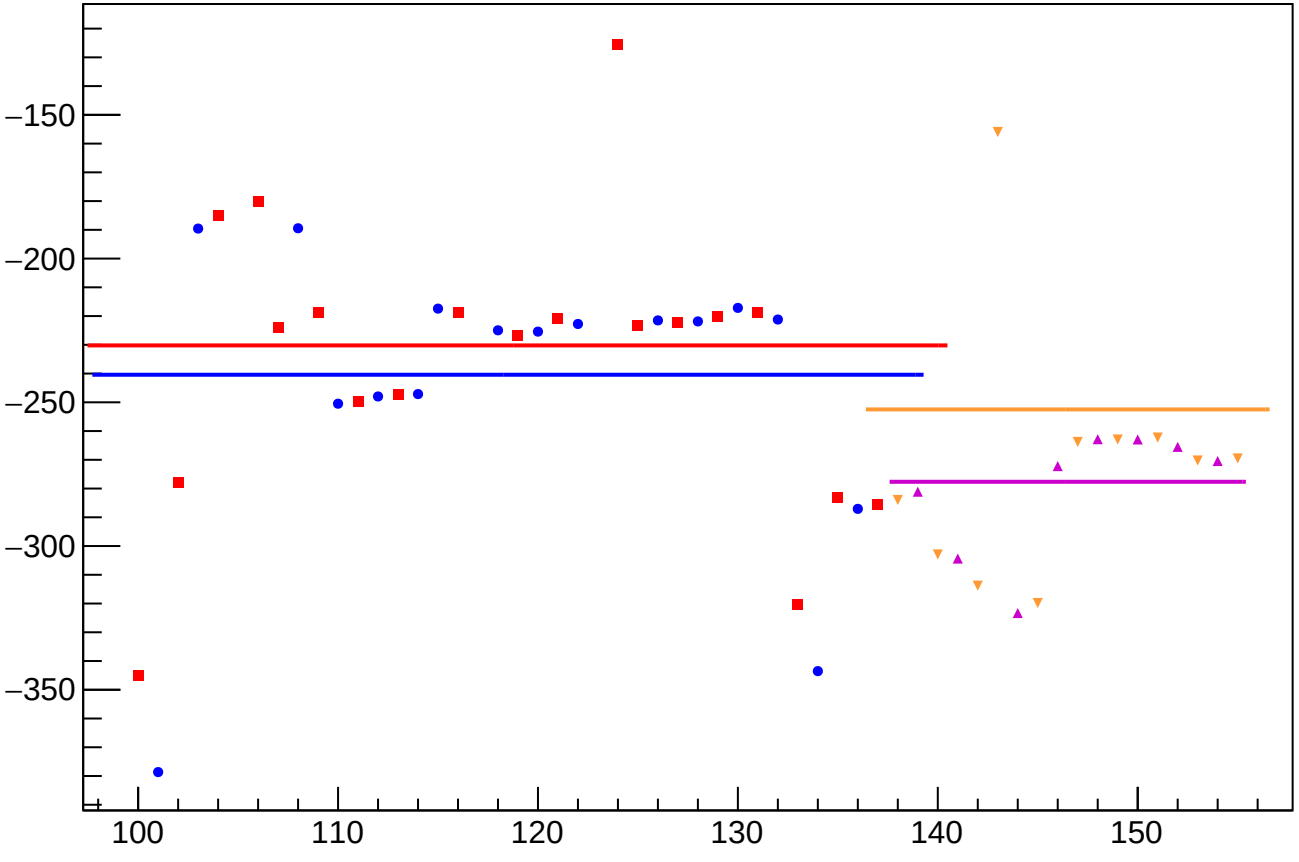
Left In: 108.102+/-2.637 χ^2/NDF:49.9/7

+ sign 110.148+/-1.711 χ^2/NDF: 519.5/25

All: 110.433+/-1.250 χ^2/NDF: 917.1/52

- sign 110.760+/-1.831 χ^2/NDF: 397.6/26

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -252.474+/-0.113 χ^2/NDF:235553.5/9

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

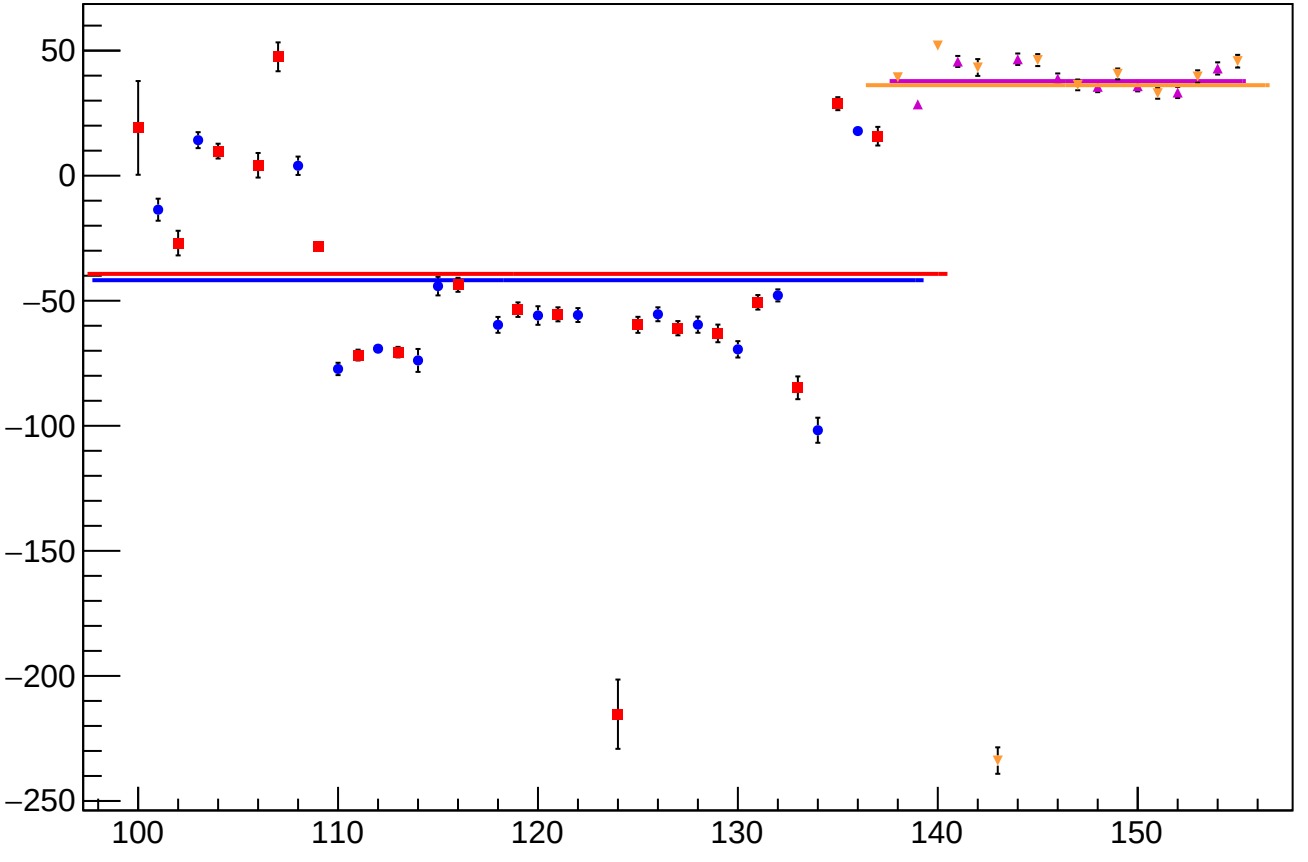
Left In: -277.648+/-0.128 χ^2/NDF:22688.9/7

+ sign -248.148+/-0.090 χ^2/NDF: 373819.5/25

All: -252.380+/-0.066 χ^2/NDF: 544302.1/52

- sign -257.194+/-0.096 χ^2/NDF: 165776.6/26

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 36.180+/-0.750 χ^2/NDF:2718.3/9

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

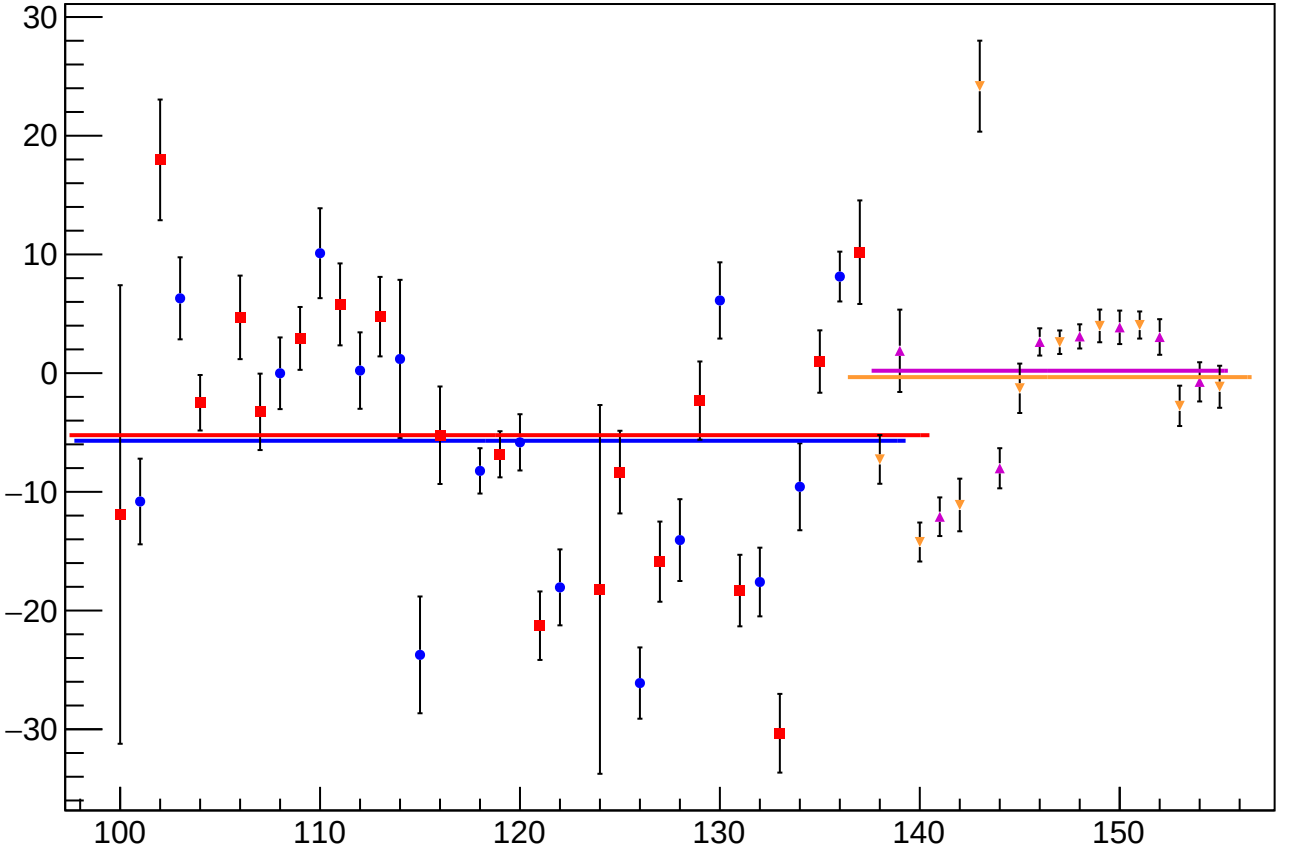
Left In: 37.814+/-0.764 χ^2/NDF:61.2/7

+ sign -4.221+/-0.521 χ^2/NDF: 10725.1/25

All: -4.724+/-0.363 χ^2/NDF: 18950.0/52

- sign -5.203+/-0.508 χ^2/NDF: 8223.1/26

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.336+/-0.495 χ^2/NDF:183.3/9

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

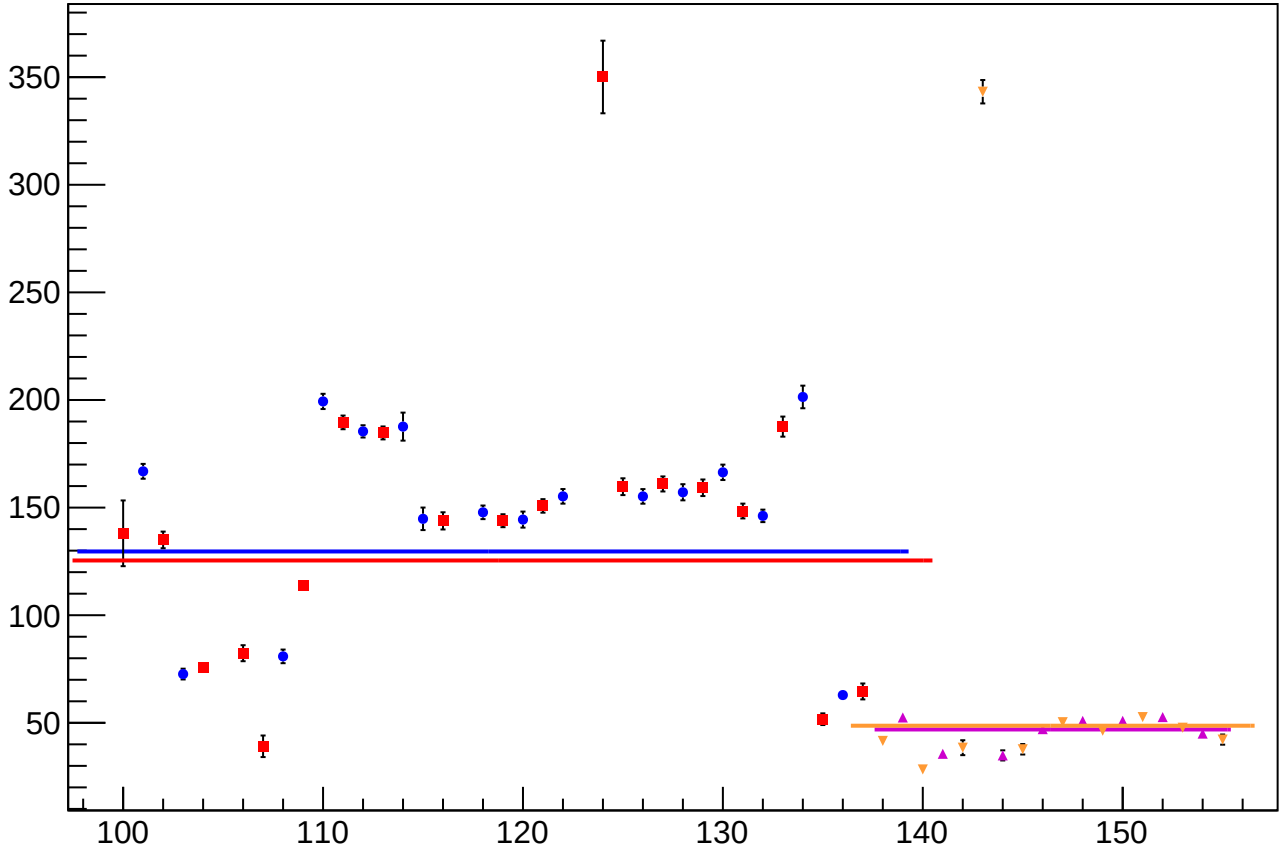
Left In: 0.202+/-0.510 χ^2/NDF:104.1/7

+ sign -1.952+/-0.413 χ^2/NDF: 415.4/25

All: -1.752+/-0.295 χ^2/NDF: 753.8/52

- sign -1.547+/-0.420 χ^2/NDF: 337.9/26

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 48.658+/-0.732 χ^2/NDF:3088.5/9

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

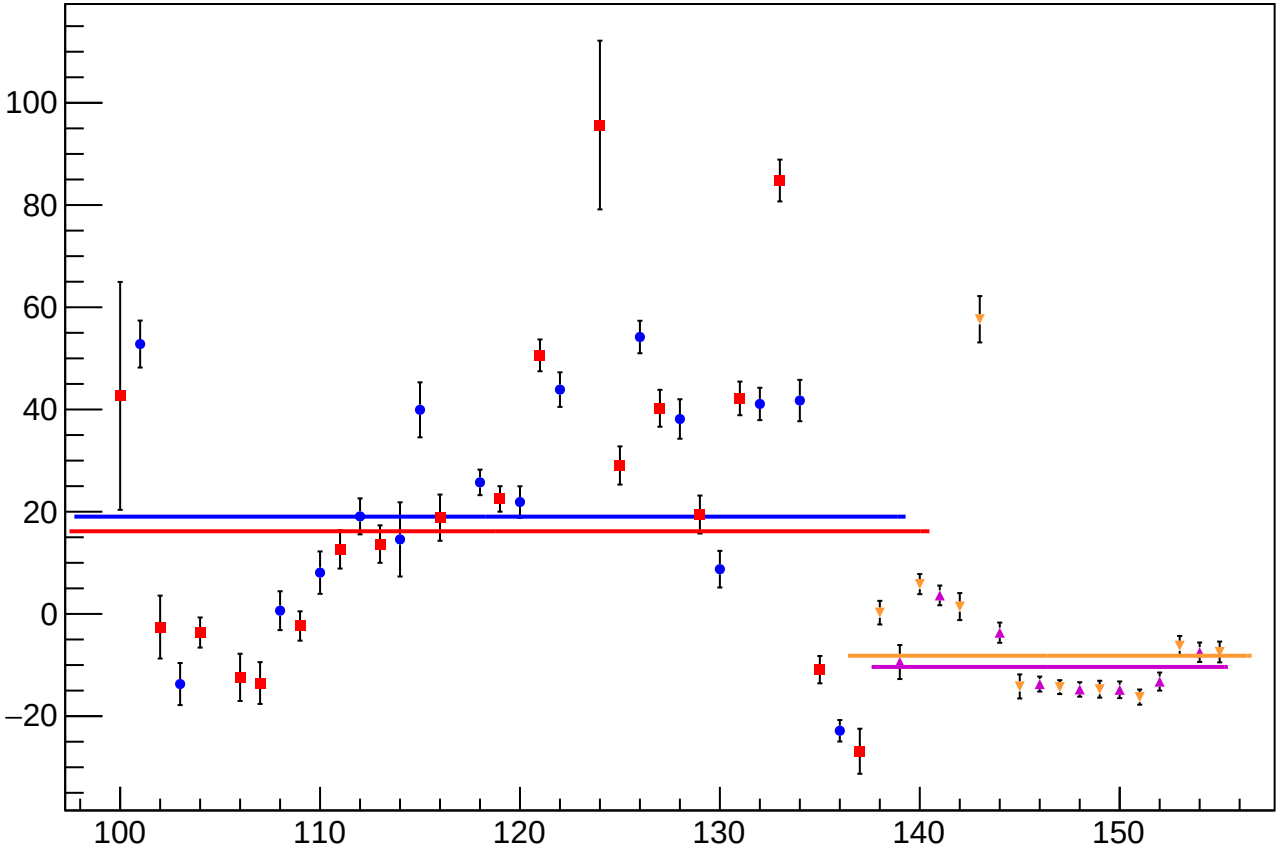
Left In: 46.907+/-0.745 χ^2/NDF:74.9/7

+ sign 85.540+/-0.540 χ^2/NDF: 12280.6/25

All: 84.702+/-0.383 χ^2/NDF: 21097.3/52

- sign 83.860+/-0.542 χ^2/NDF: 8811.9/26

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -8.177+/-0.609 χ^2/NDF:361.8/9

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

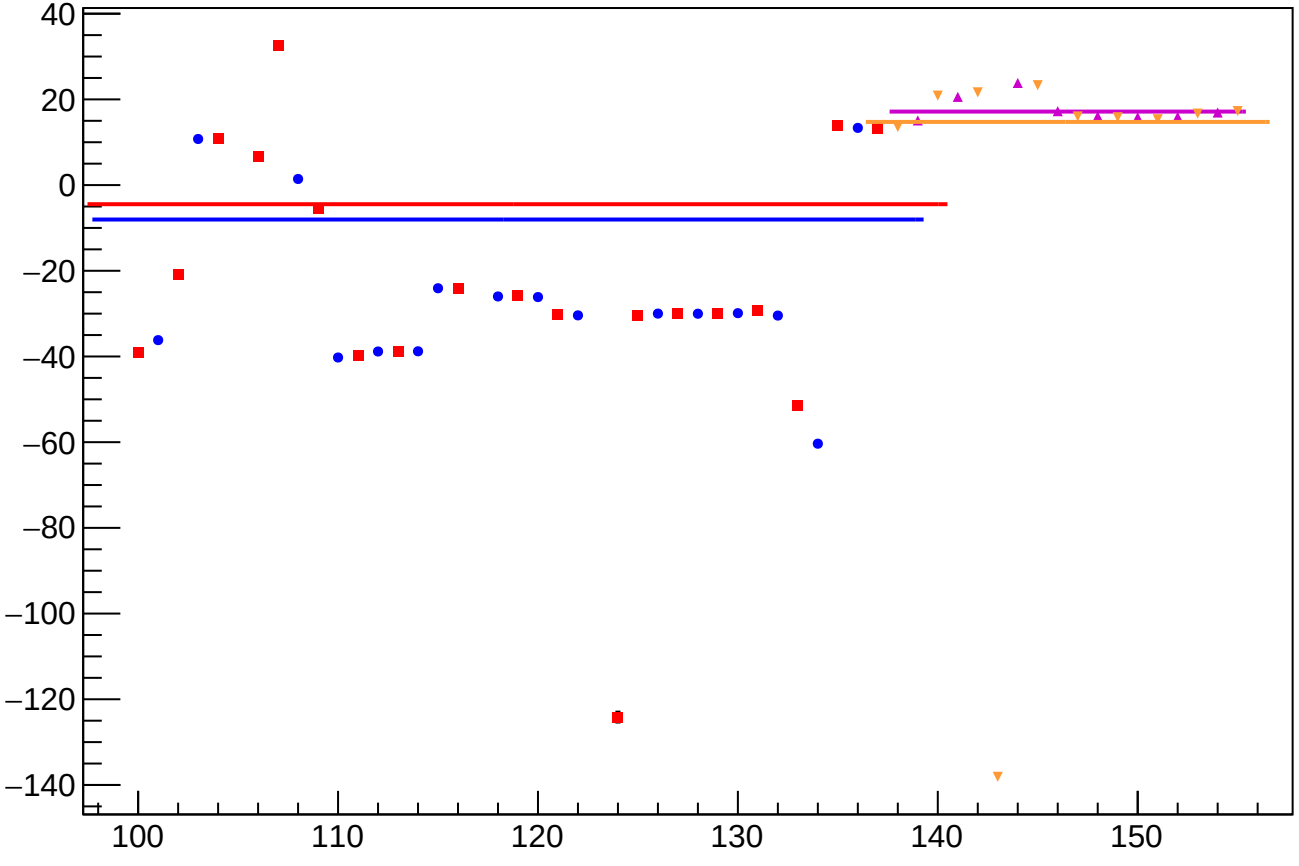
Left In: -10.371+/-0.626 χ^2/NDF:91.5/7

+ sign 0.916+/-0.497 χ^2/NDF: 1886.7/25

All: -0.017+/-0.354 χ^2/NDF: 3562.6/52

- sign -0.975+/-0.503 χ^2/NDF: 1668.8/26

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 14.743+/-0.029 χ^2/NDF:472623.6/9

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

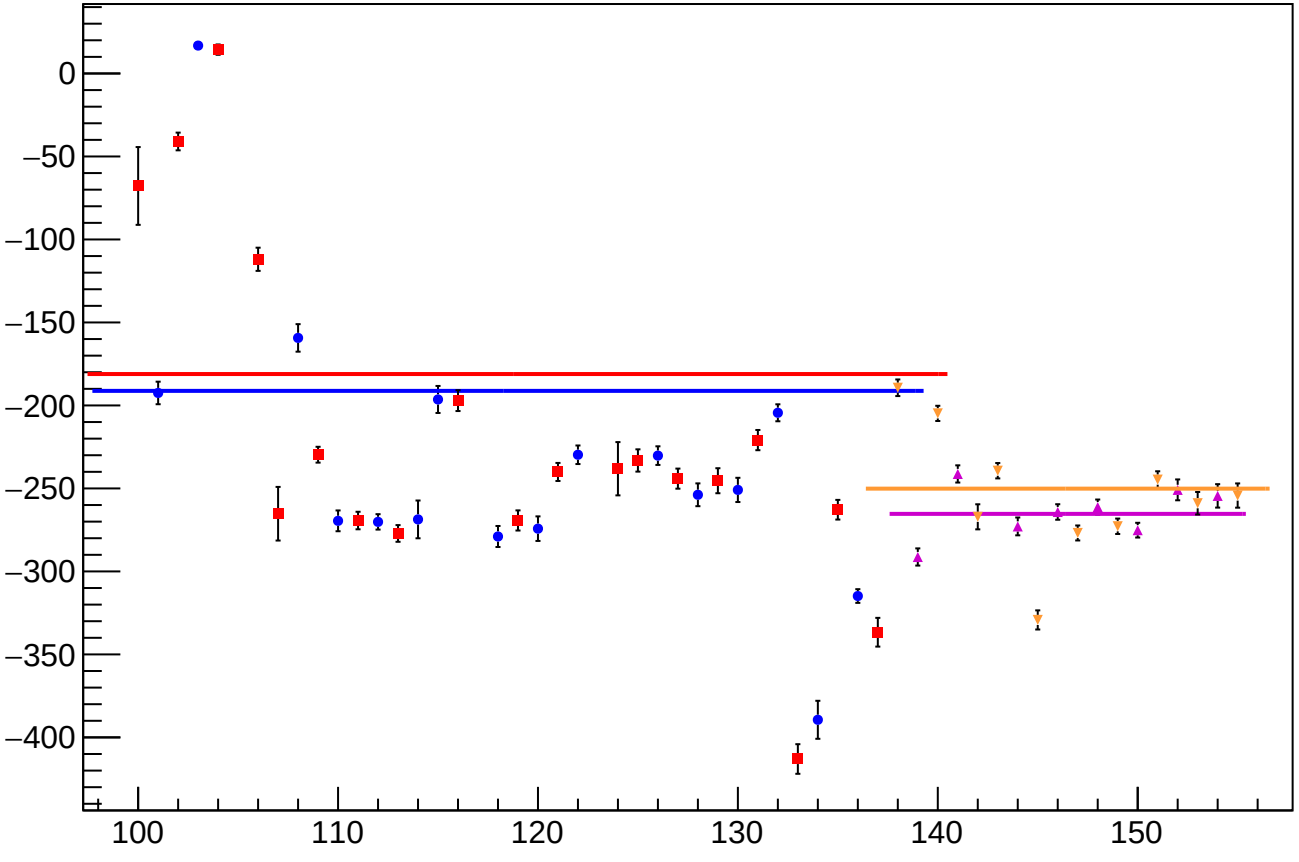
Left In: 17.153+/-0.029 χ^2/NDF:6948.5/7

+ sign 8.260+/-0.024 χ^2/NDF: 917294.4/25

All: 9.705+/-0.017 χ^2/NDF: 1313965.7/52

- sign 11.171+/-0.025 χ^2/NDF: 389636.0/26

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -250.127+/-1.673 χ^2/NDF:506.3/9

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

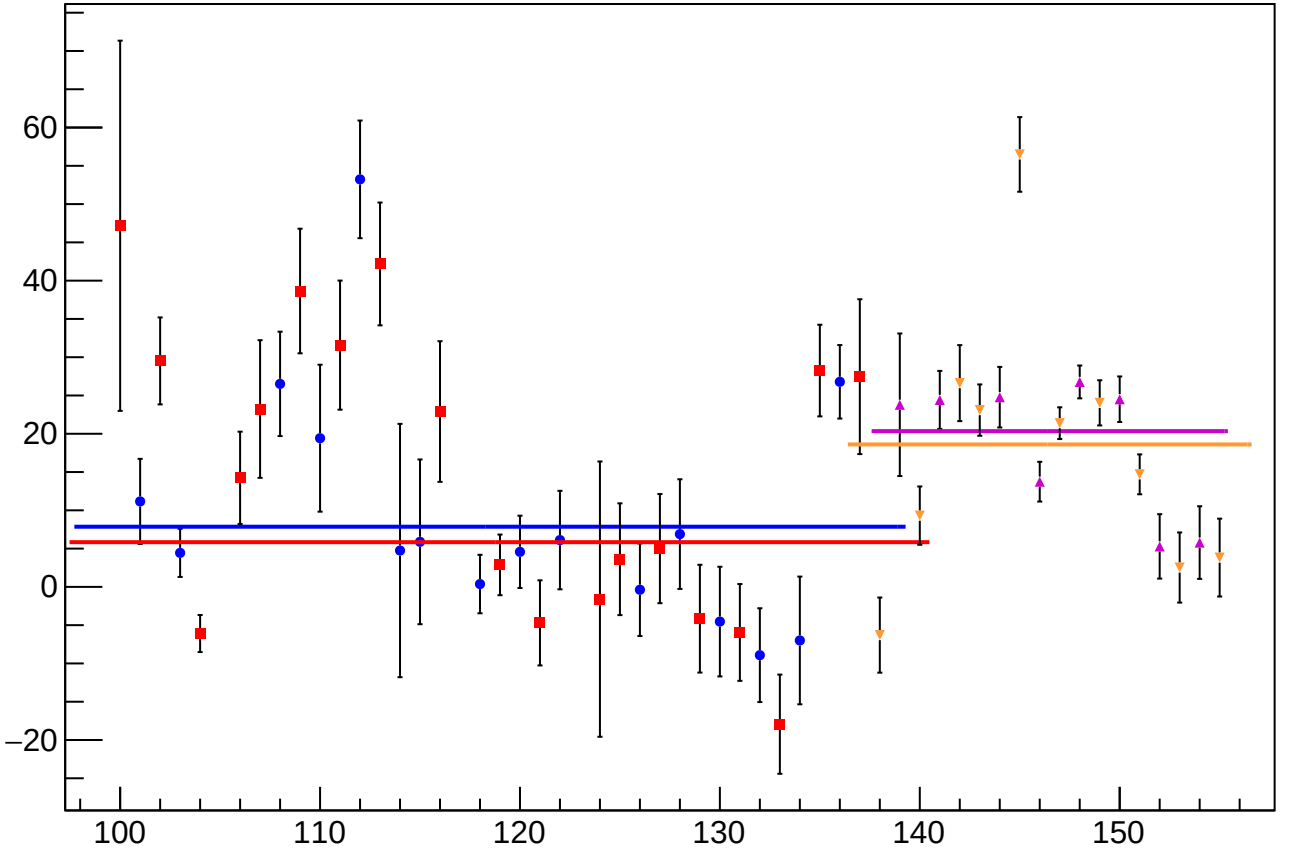
Left In: -265.331+/-1.828 χ^2/NDF:62.1/7

+ sign -215.855+/-1.082 χ^2/NDF: 8451.9/25

All: -213.834+/-0.772 χ^2/NDF: 17246.3/52

- sign -211.734+/-1.103 χ^2/NDF: 8787.2/26

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 18.607+/-1.076 χ^2/NDF:124.7/9

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

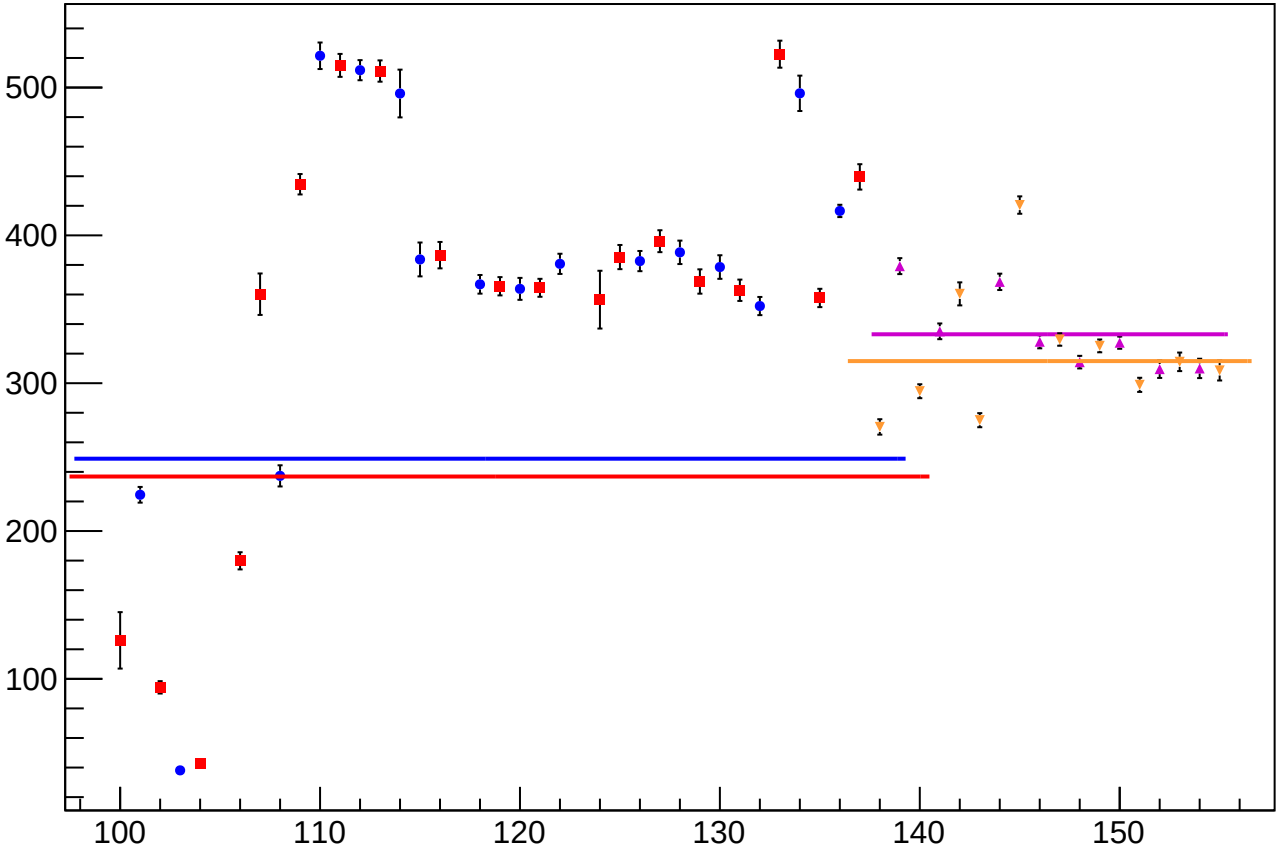
Left In: 20.344+/-1.174 χ^2/NDF:42.2/7

+ sign 14.748+/-0.862 χ^2/NDF: 241.4/25

All: 14.445+/-0.618 χ^2/NDF: 491.1/52

- sign 14.123+/-0.888 χ^2/NDF: 249.4/26

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 314.955+/-1.641 χ^2/NDF:547.5/9

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

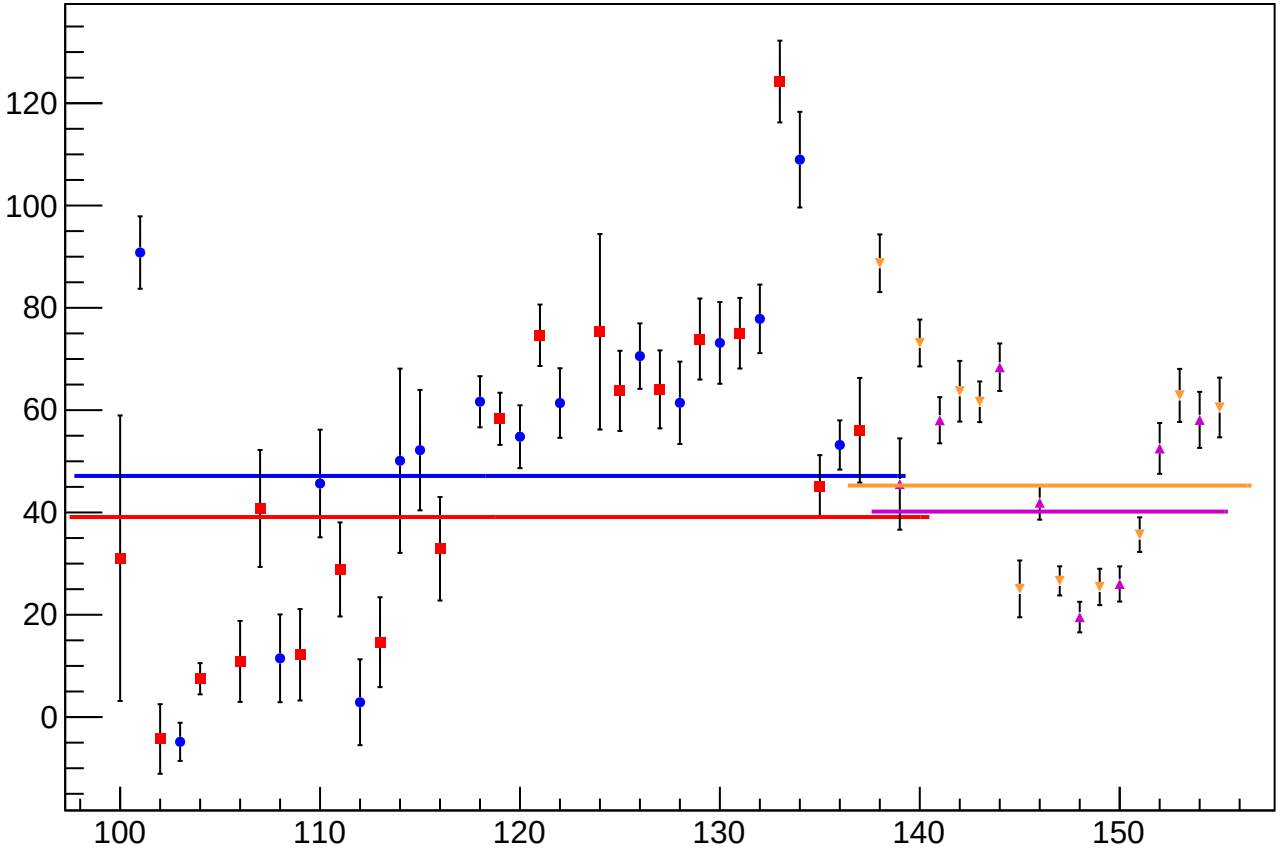
Left In: 333.090+/-1.777 χ^2/NDF:164.7/7

+ sign 277.245+/-1.074 χ^2/NDF: 16774.5/25

All: 275.638+/-0.770 χ^2/NDF: 34403.9/52

- sign 273.945+/-1.103 χ^2/NDF: 17624.8/26

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 45.260+/-1.336 χ^2/NDF:237.0/9

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

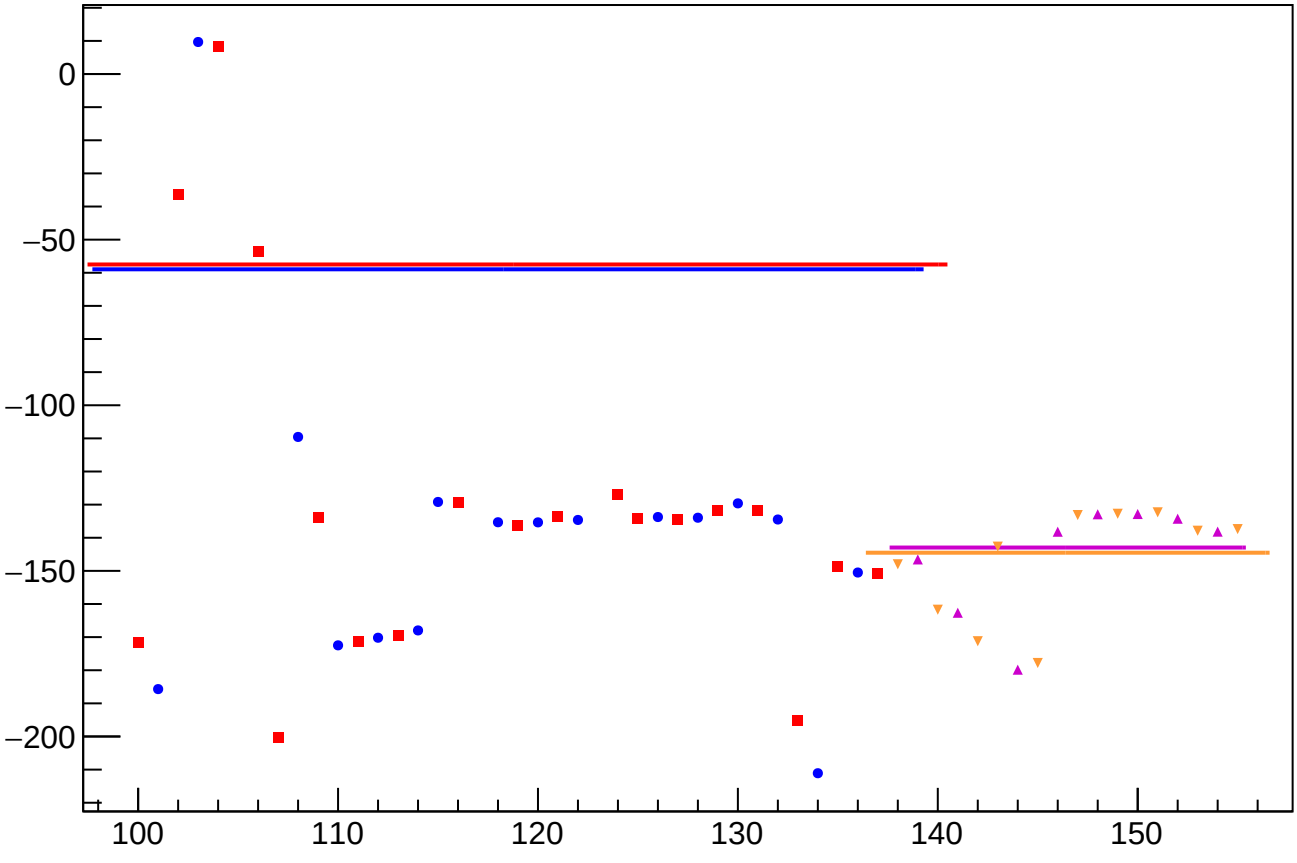
Left In: 40.171+/-1.459 χ^2/NDF:134.8/7

+ sign 45.993+/-1.043 χ^2/NDF: 623.1/25

All: 42.941+/-0.749 χ^2/NDF: 1192.3/52

- sign 39.686+/-1.077 χ^2/NDF: 551.5/26

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -144.516+/-0.067 χ^2/NDF:48339.5/9

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

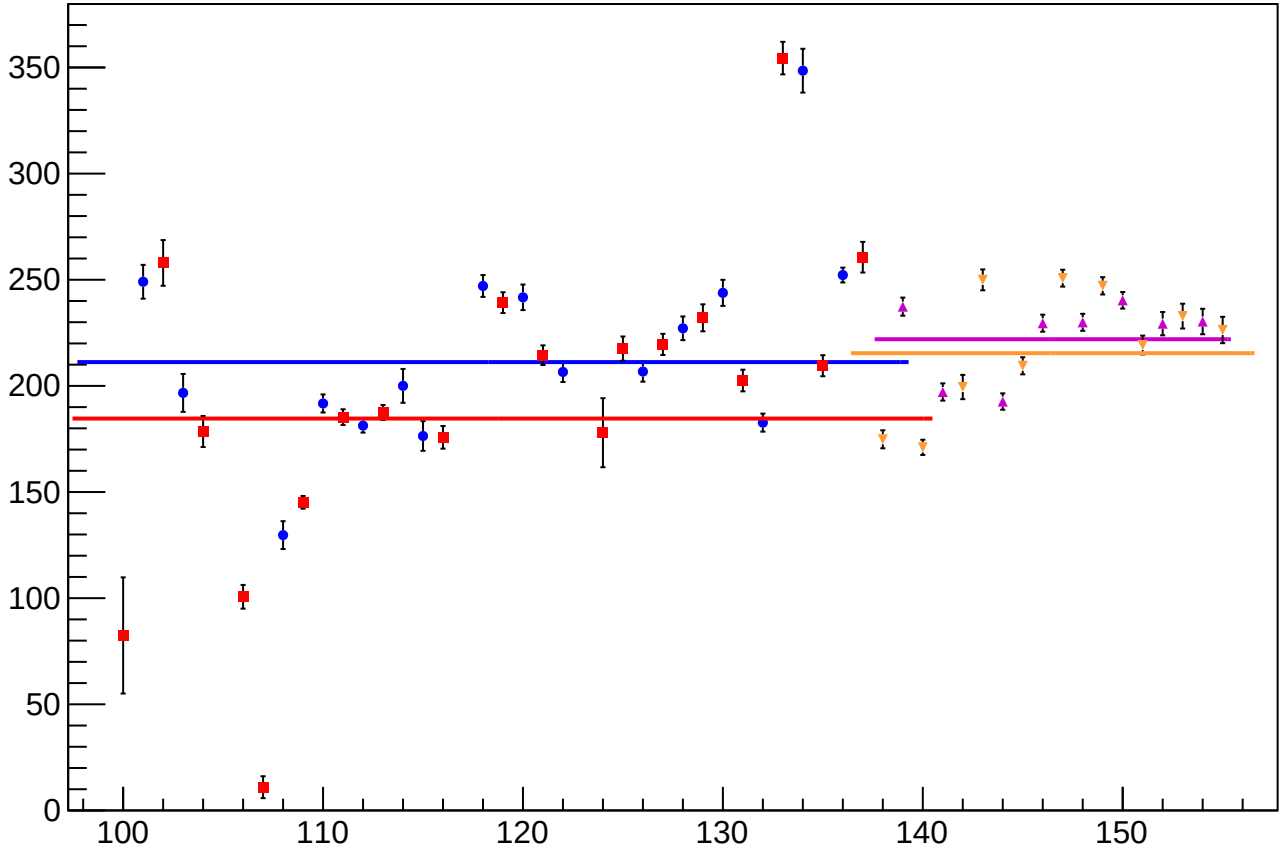
Left In: -142.956+/-0.070 χ^2/NDF:40362.0/7

+ sign -105.461+/-0.049 χ^2/NDF: 2030195.1/25

All: -104.063+/-0.035 χ^2/NDF: 3641697.3/52

- sign -102.548+/-0.051 χ^2/NDF: 1609809.8/26

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 215.414+/-1.419 χ^2/NDF:456.0/9

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

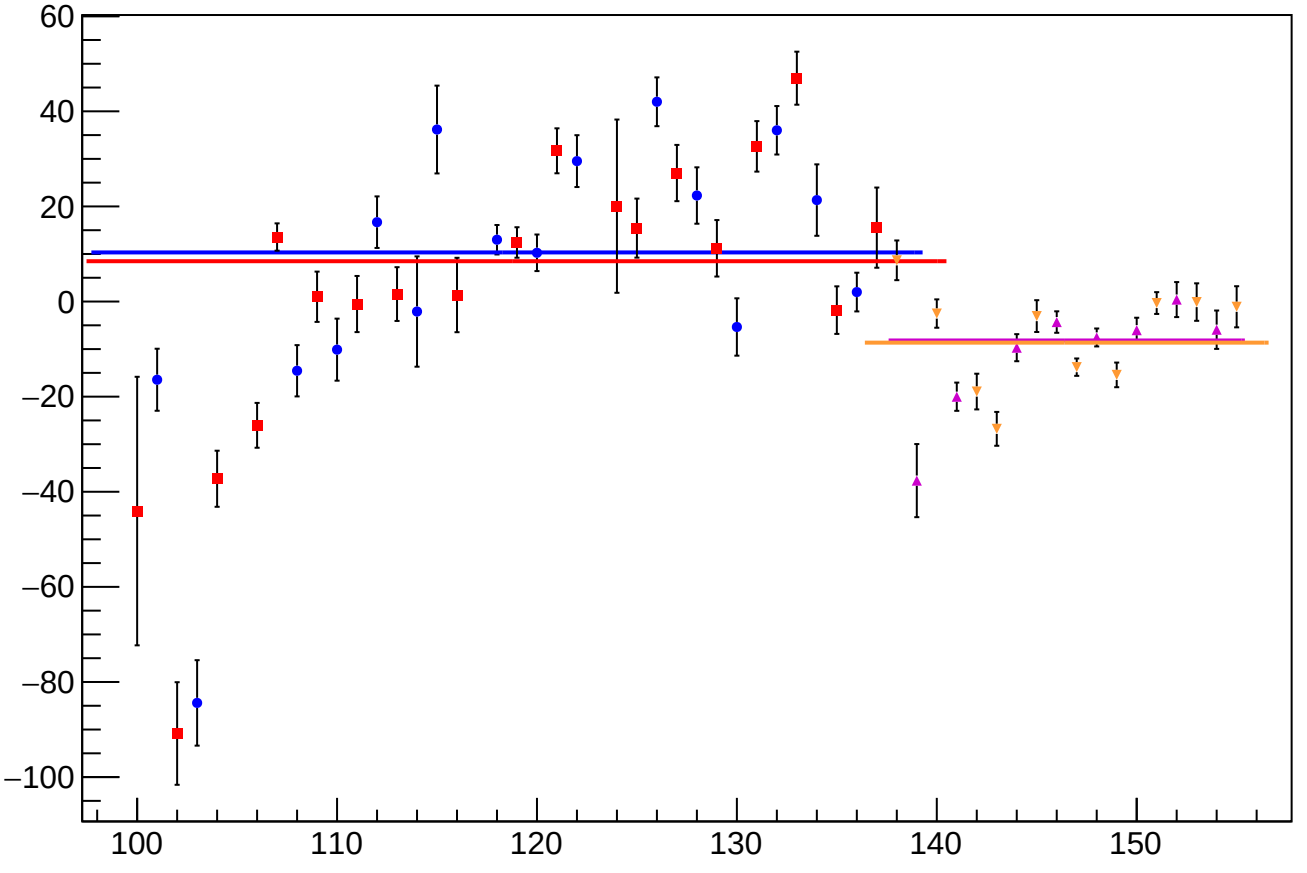
Left In: 221.980+/-1.518 χ^2/NDF:141.8/7

+ sign 213.121+/-0.957 χ^2/NDF: 1243.8/25

All: 205.868+/-0.670 χ^2/NDF: 4413.0/52

- sign 198.893+/-0.938 χ^2/NDF: 3056.5/26

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -8.642+/-0.926 χ^2/NDF:93.4/9

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

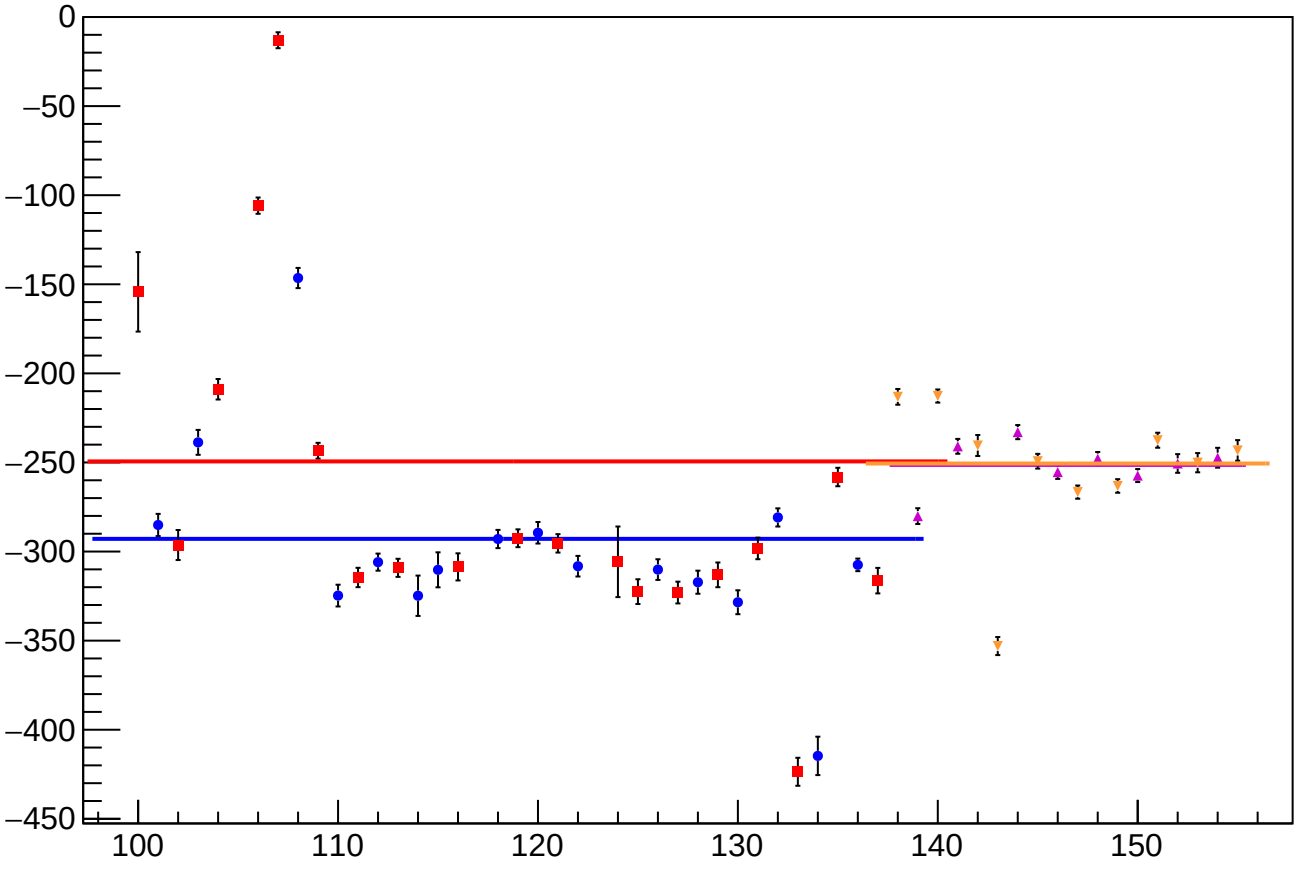
Left In: -8.188+/-0.994 χ^2/NDF:40.4/7

+ sign -2.464+/-0.761 χ^2/NDF: 493.3/25

All: -2.022+/-0.542 χ^2/NDF: 968.3/52

- sign -1.568+/-0.772 χ^2/NDF: 474.4/26

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.588+/-1.396 χ^2/NDF:630.5/9

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

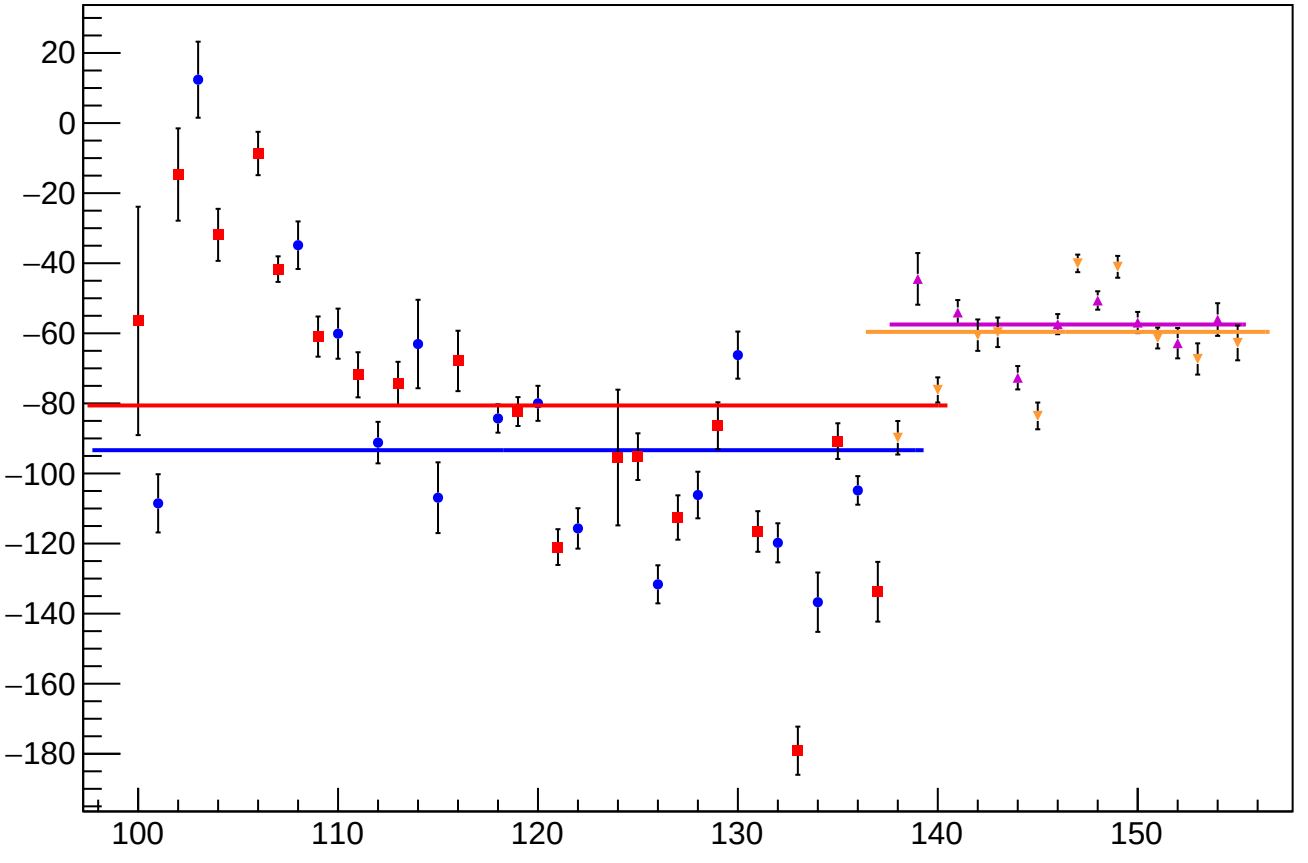
Left In: -251.374+/-1.483 χ^2/NDF:74.9/7

+ sign -270.674+/-1.011 χ^2/NDF: 2049.8/25

All: -260.437+/-0.713 χ^2/NDF: 7697.9/52

- sign -250.312+/-1.006 χ^2/NDF: 5444.3/26

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -59.592+/-1.146 χ^2/NDF:200.8/9

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

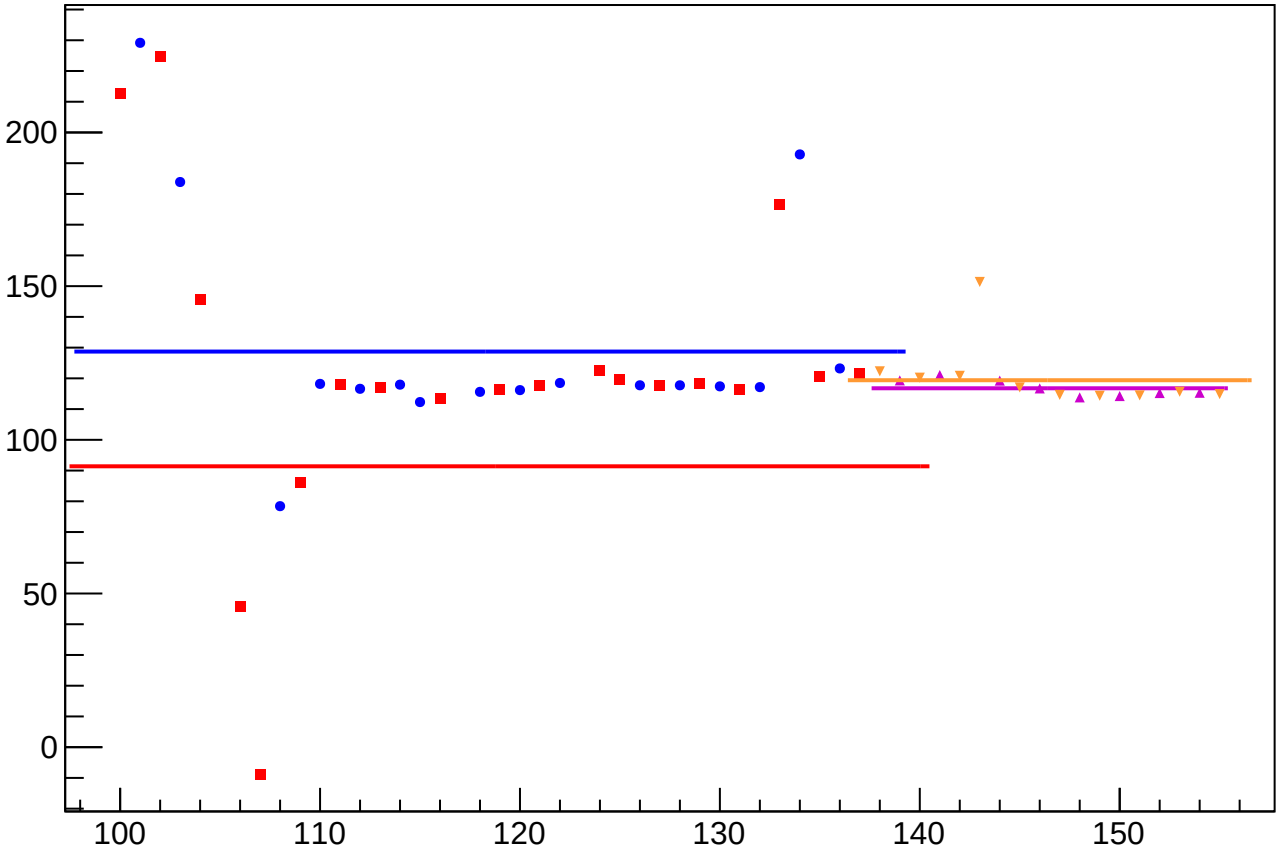
Left In: -57.487+/-1.228 χ^2/NDF:33.3/7

+ sign -71.678+/-0.918 χ^2/NDF: 867.0/25

All: -69.539+/-0.653 χ^2/NDF: 1777.6/52

- sign -67.343+/-0.930 χ^2/NDF: 899.6/26

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 119.391+/-0.057 χ^2/NDF:27128.3/9

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

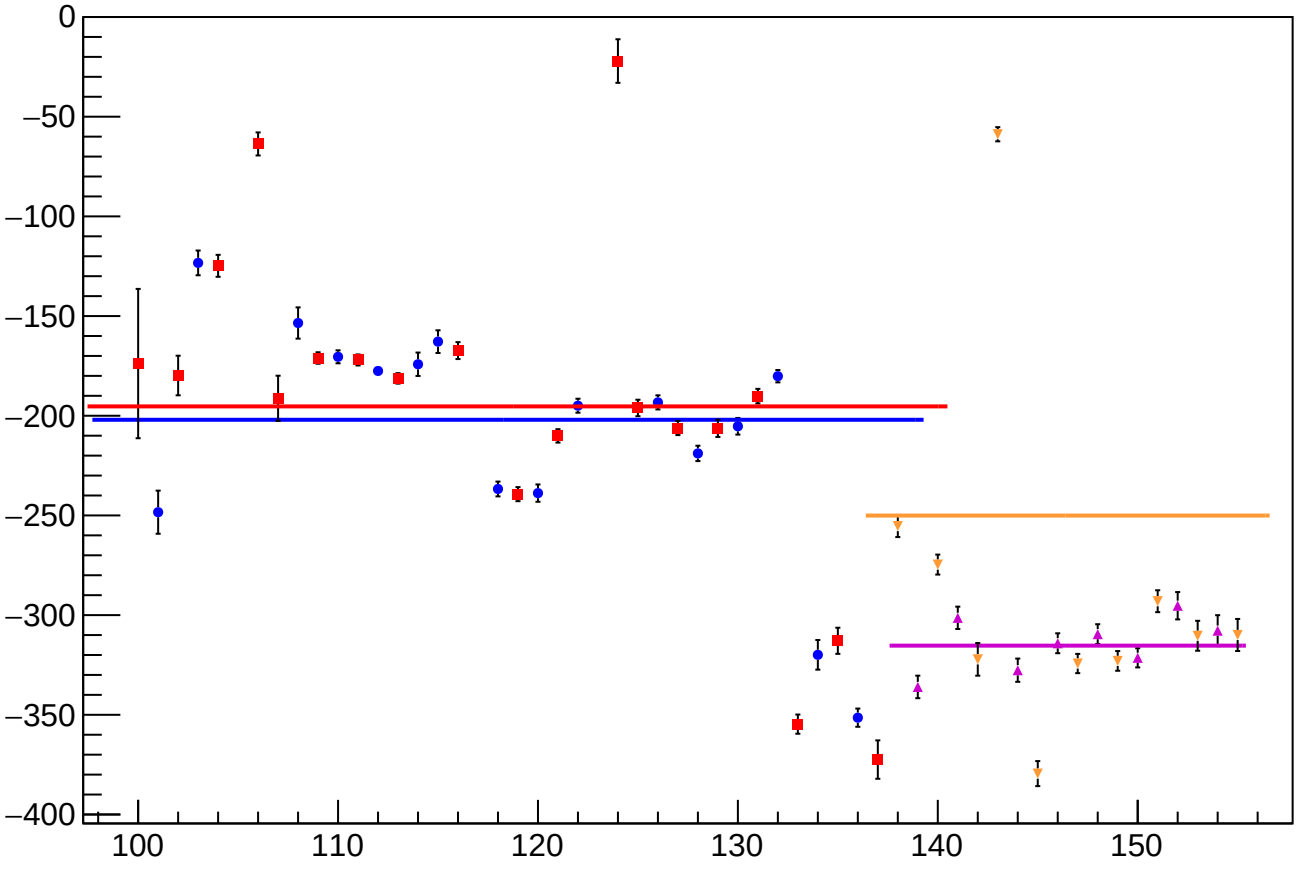
Left In: 116.771+/-0.059 χ^2/NDF:1896.6/7

+ sign 122.068+/-0.048 χ^2/NDF: 218451.7/25

All: 114.808+/-0.034 χ^2/NDF: 937252.1/52

- sign 107.700+/-0.047 χ^2/NDF: 673072.3/26

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -250.054+/-1.709 χ^2/NDF:4051.7/9

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

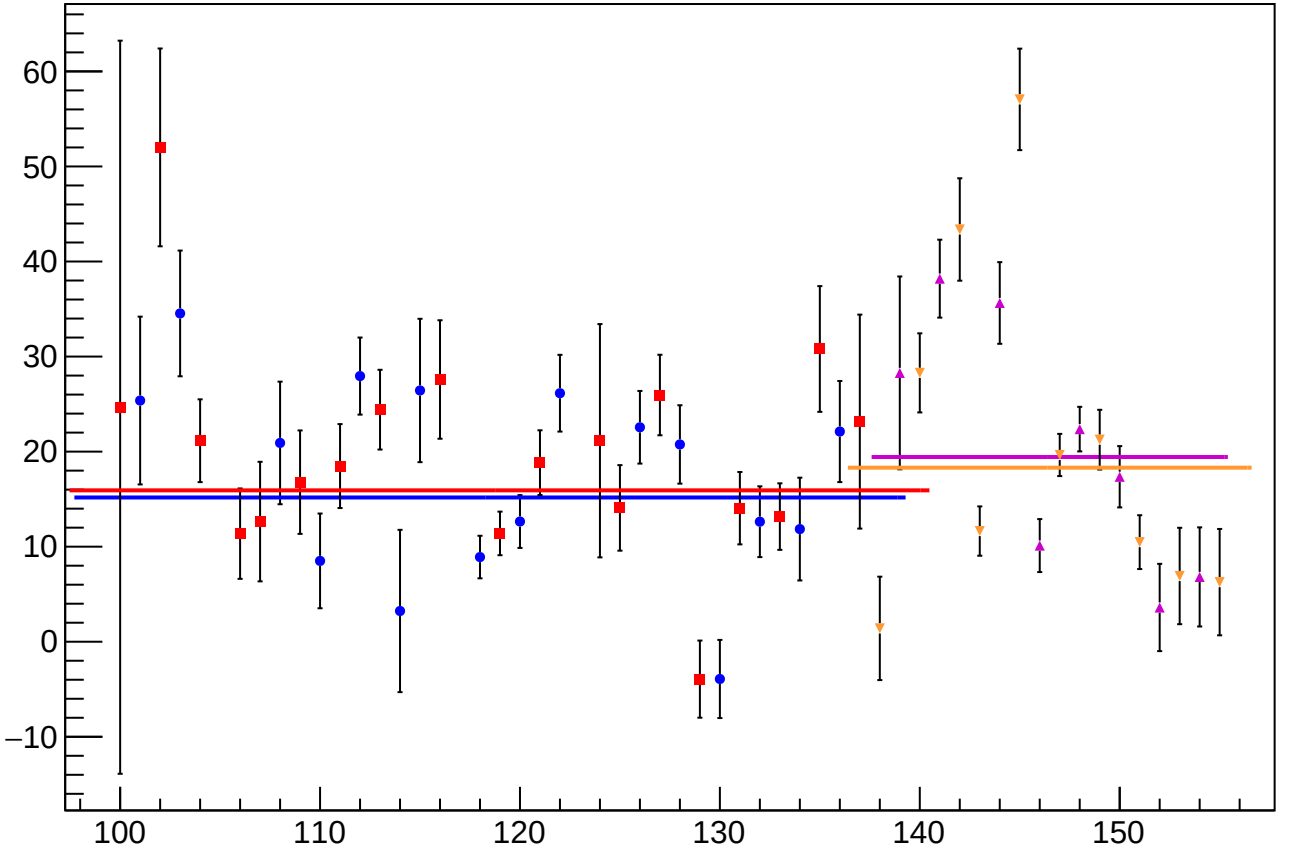
Left In: -315.308+/-1.984 χ^2/NDF:36.6/7

+ sign -214.708+/-0.878 χ^2/NDF: 6673.2/25

All: -216.673+/-0.620 χ^2/NDF: 12768.3/52

- sign -218.620+/-0.874 χ^2/NDF: 6085.1/26

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 18.312+/-1.111 χ^2/NDF:114.9/9

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

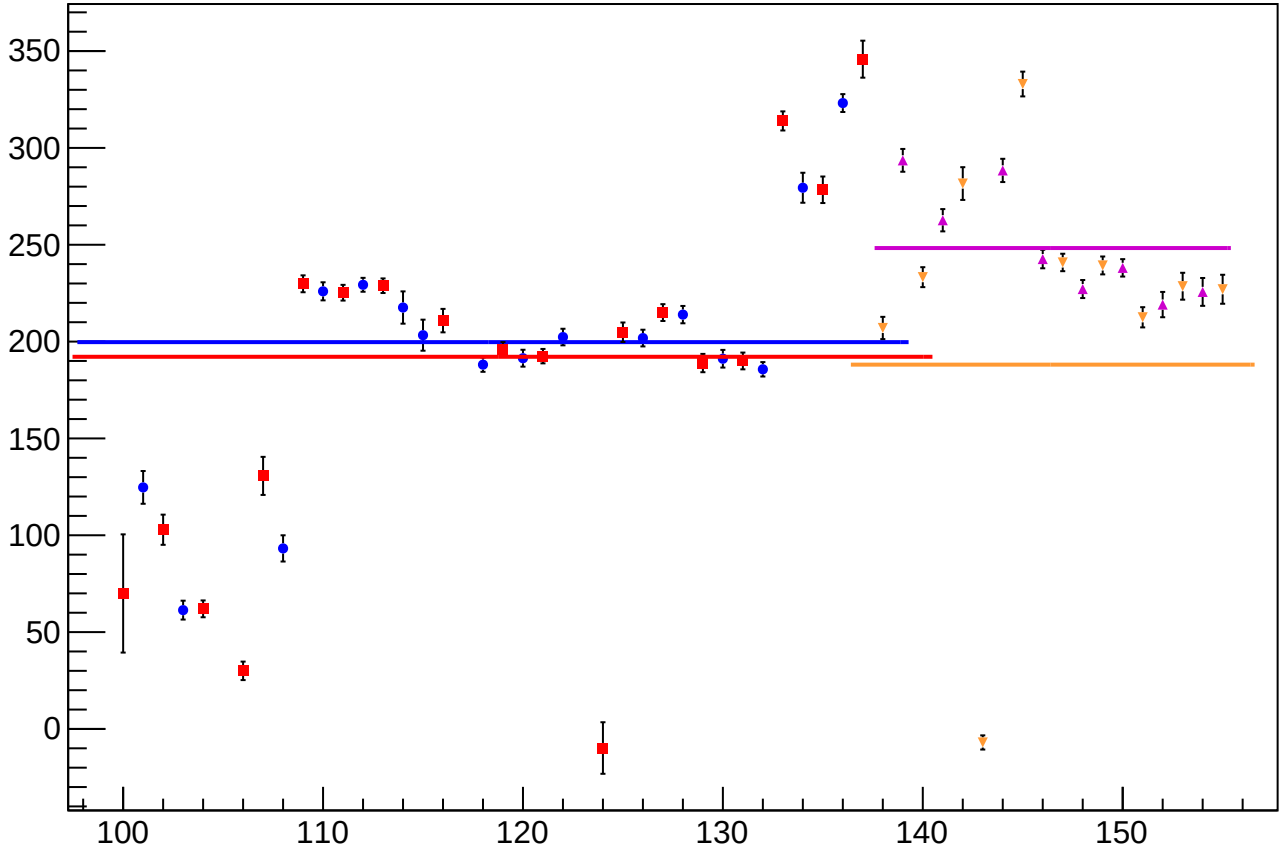
Left In: 19.434+/-1.276 χ^2/NDF:66.9/7

+ sign 16.651+/-0.762 χ^2/NDF: 191.5/25

All: 16.968+/-0.553 χ^2/NDF: 326.8/52

- sign 17.321+/-0.805 χ^2/NDF: 135.0/26

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 188.100+/-1.684 χ^2/NDF:3907.2/9

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

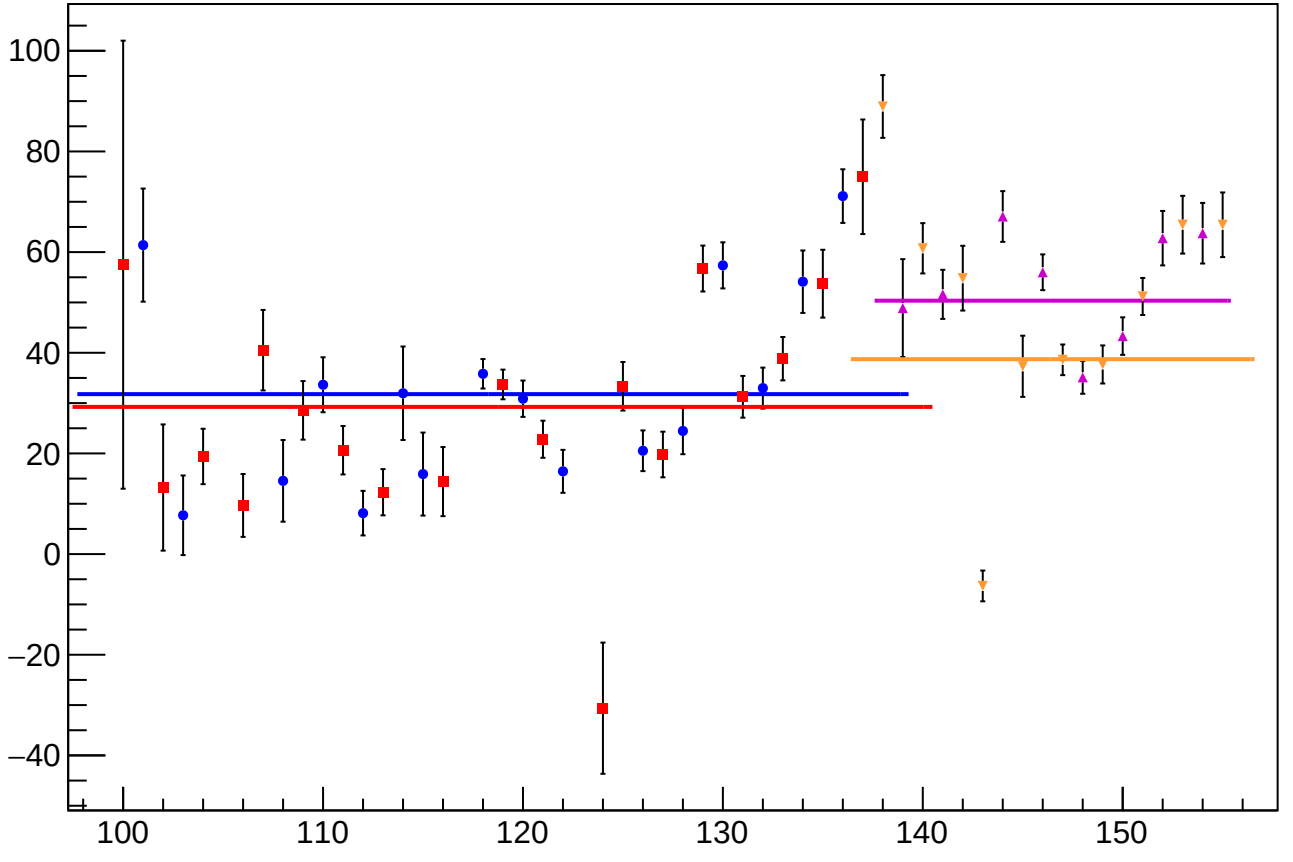
Left In: 248.301+/-1.928 χ^2/NDF:167.0/7

+ sign 195.826+/-0.975 χ^2/NDF: 6040.5/25

All: 201.286+/-0.694 χ^2/NDF: 10673.4/52

- sign 206.894+/-0.988 χ^2/NDF: 4569.3/26

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 38.725+/-1.373 χ^2/NDF:358.1/9

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

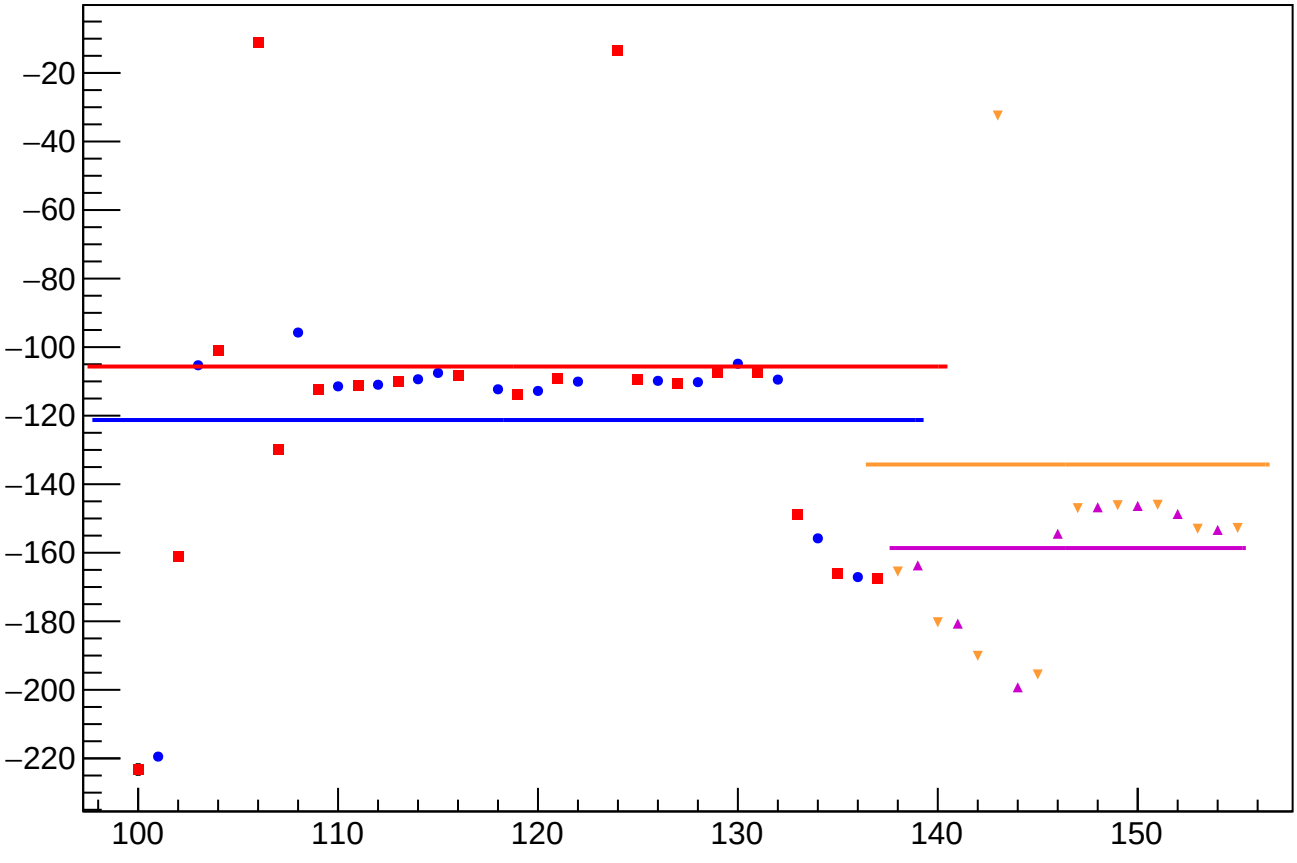
Left In: 50.349+/-1.584 χ^2/NDF:49.2/7

+ sign 34.835+/-0.911 χ^2/NDF: 549.4/25

All: 35.826+/-0.659 χ^2/NDF: 855.0/52

- sign 36.915+/-0.955 χ^2/NDF: 303.1/26

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -134.248+/-0.068 χ^2/NDF:614483.3/9

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

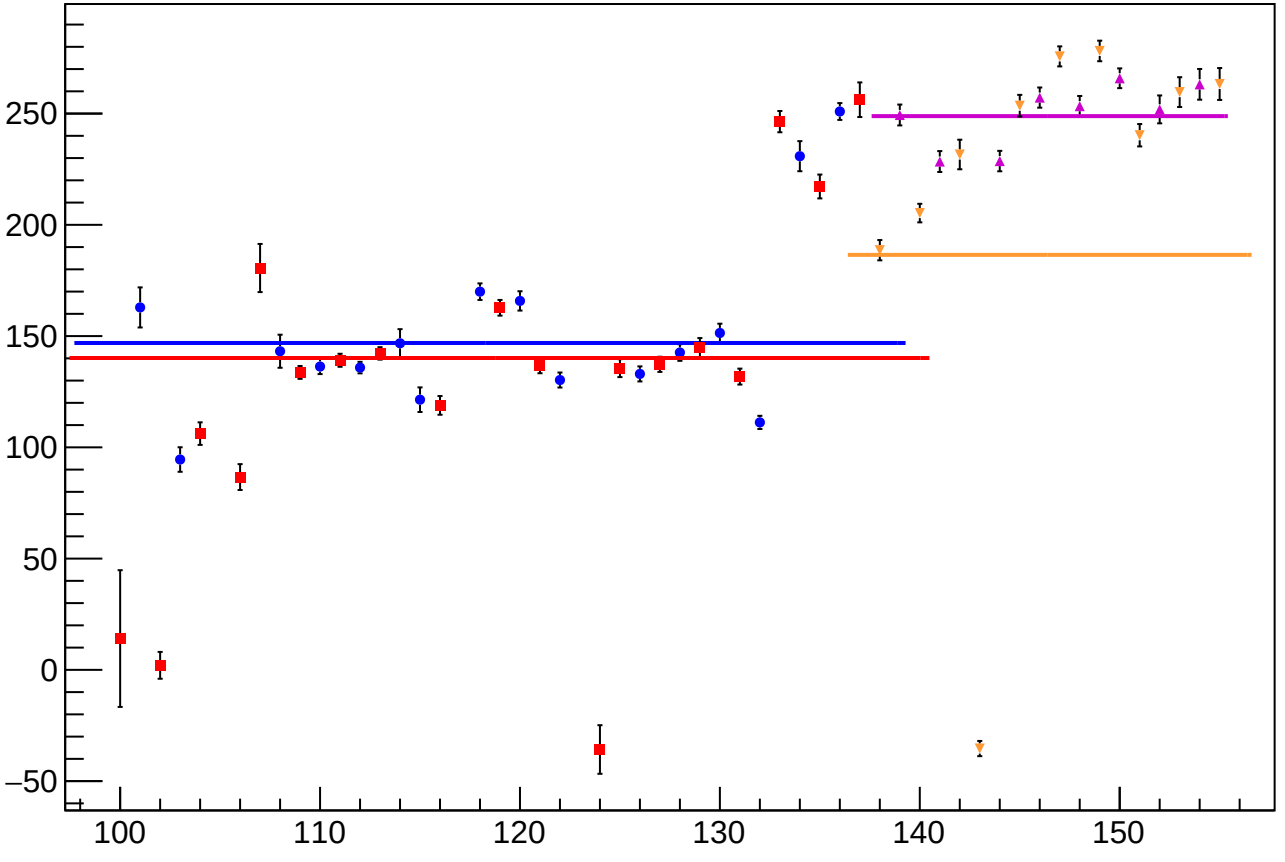
Left In: -158.626+/-0.076 χ^2/NDF:43289.9/7

+ sign -128.697+/-0.052 χ^2/NDF: 749245.3/25

All: -130.077+/-0.037 χ^2/NDF: 1394750.4/52

- sign -131.543+/-0.053 χ^2/NDF: 644041.7/26

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 186.503+/-1.519 χ^2/NDF:5602.6/9

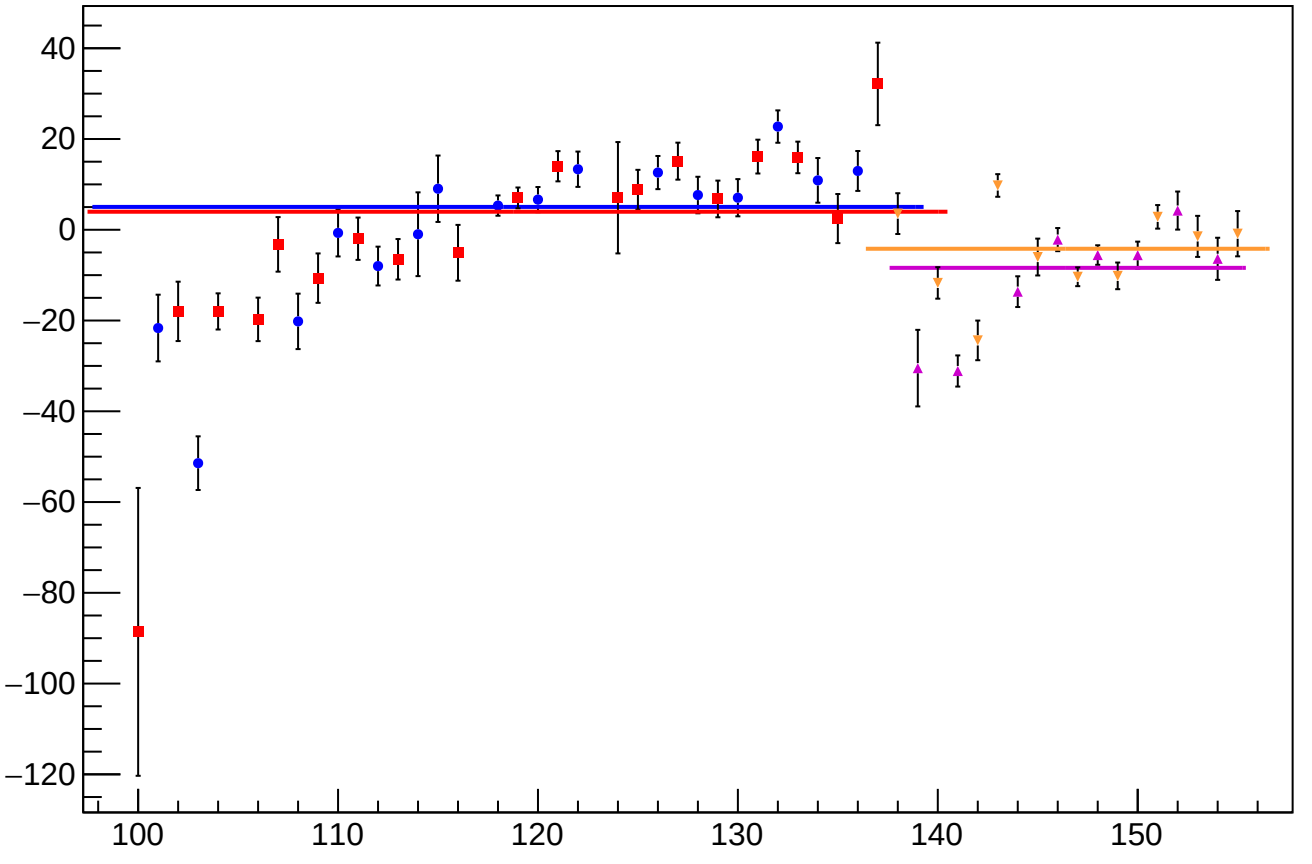
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 248.854+/-1.735 χ^2/NDF:61.8/7

\+ sign 158.937+/-0.837 χ^2/NDF: 7377.9/25

All: 162.270+/-0.593 χ^2/NDF: 12426.4/52

\- sign 165.626+/-0.840 χ^2/NDF: 5016.7/26



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.185+/-1.003 χ^2/NDF:81.7/9

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

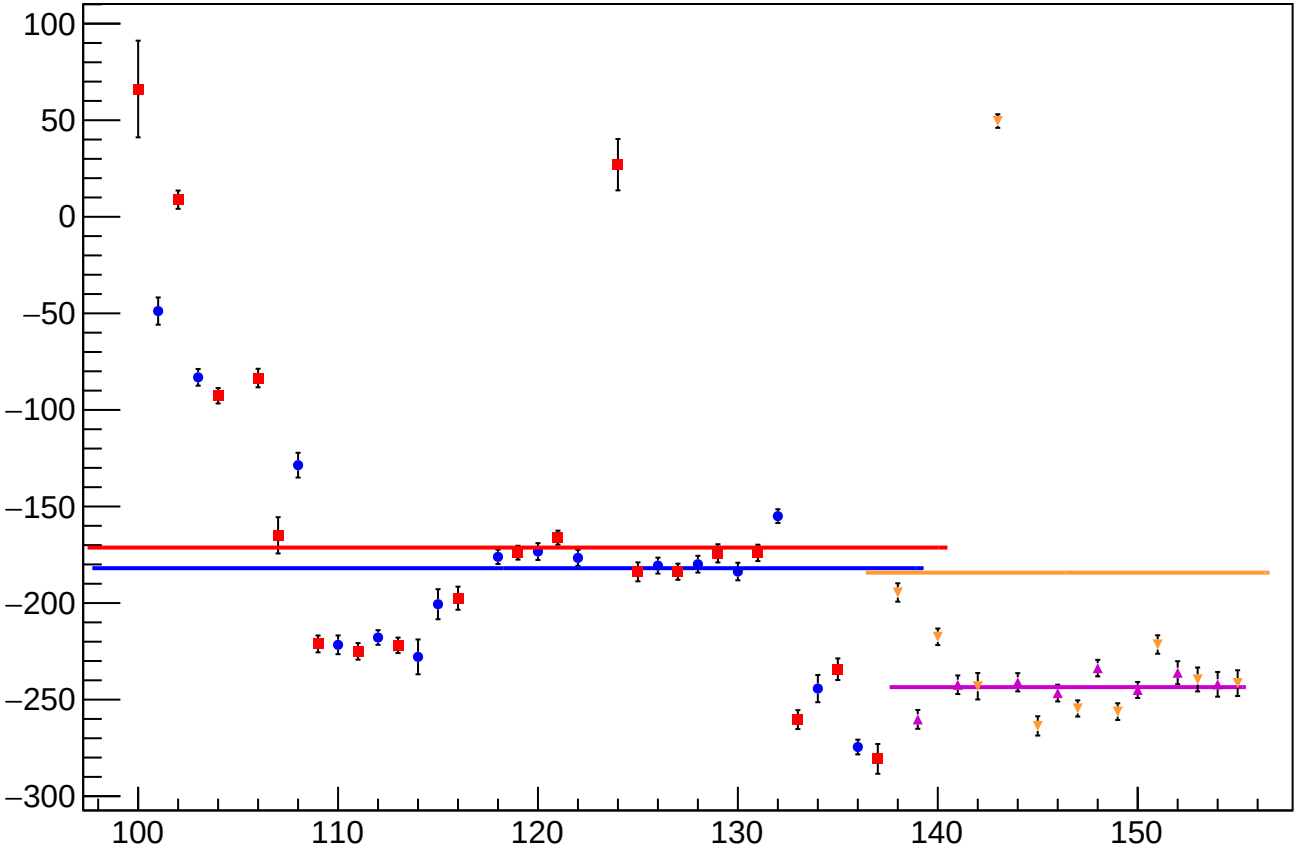
Left In: -8.393+/-1.138 χ^2/NDF:70.9/7

+ sign 0.345+/-0.715 χ^2/NDF: 295.1/25

All: -0.520+/-0.520 χ^2/NDF: 579.9/52

- sign -1.487+/-0.756 χ^2/NDF: 281.7/26

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -184.255+/-1.501 χ^2/NDF:5584.8/9

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

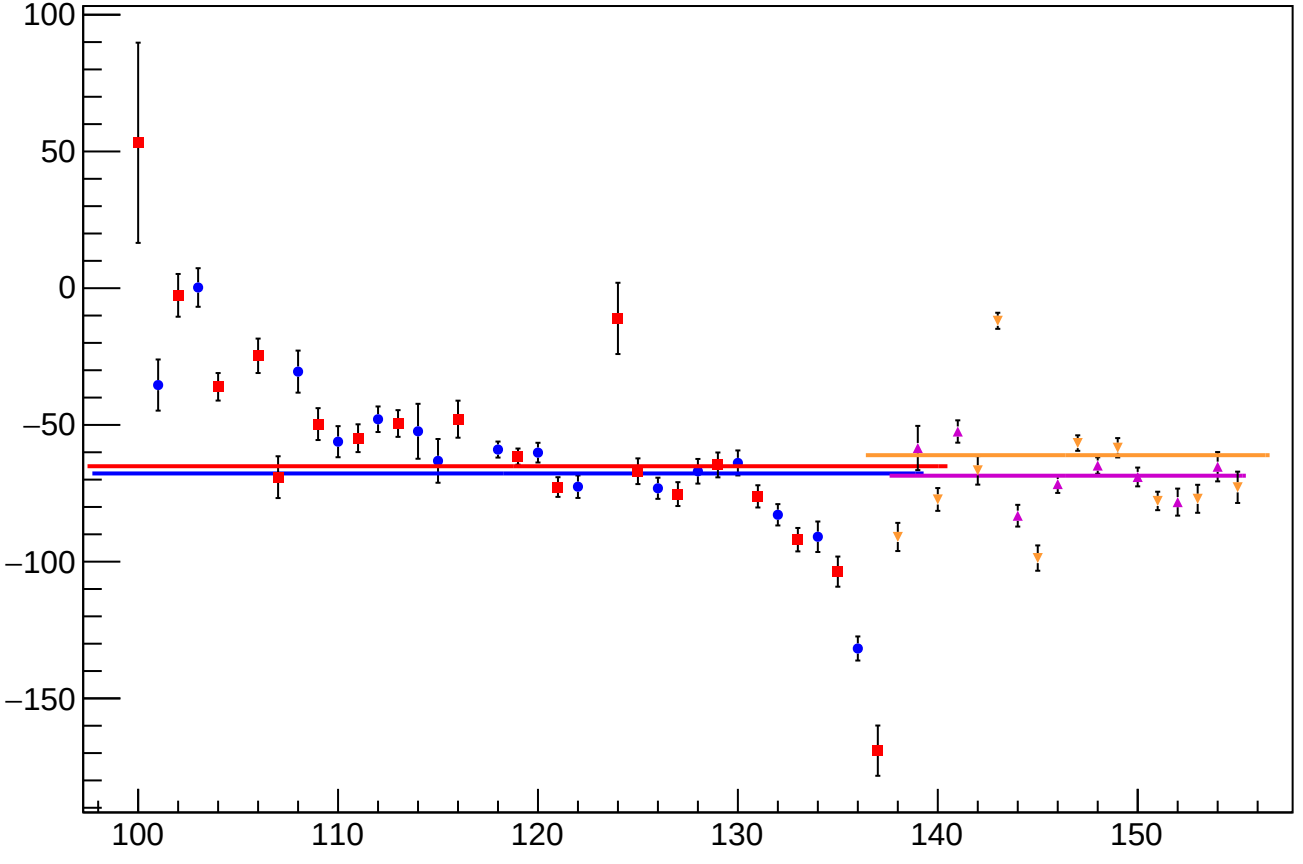
Left In: -243.527+/-1.695 χ^2/NDF:19.6/7

+ sign -182.804+/-0.915 χ^2/NDF: 7456.7/25

All: -187.814+/-0.652 χ^2/NDF: 12436.9/52

- sign -192.983+/-0.929 χ^2/NDF: 4919.2/26

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -61.064+/-1.235 χ^2/NDF:436.9/9

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

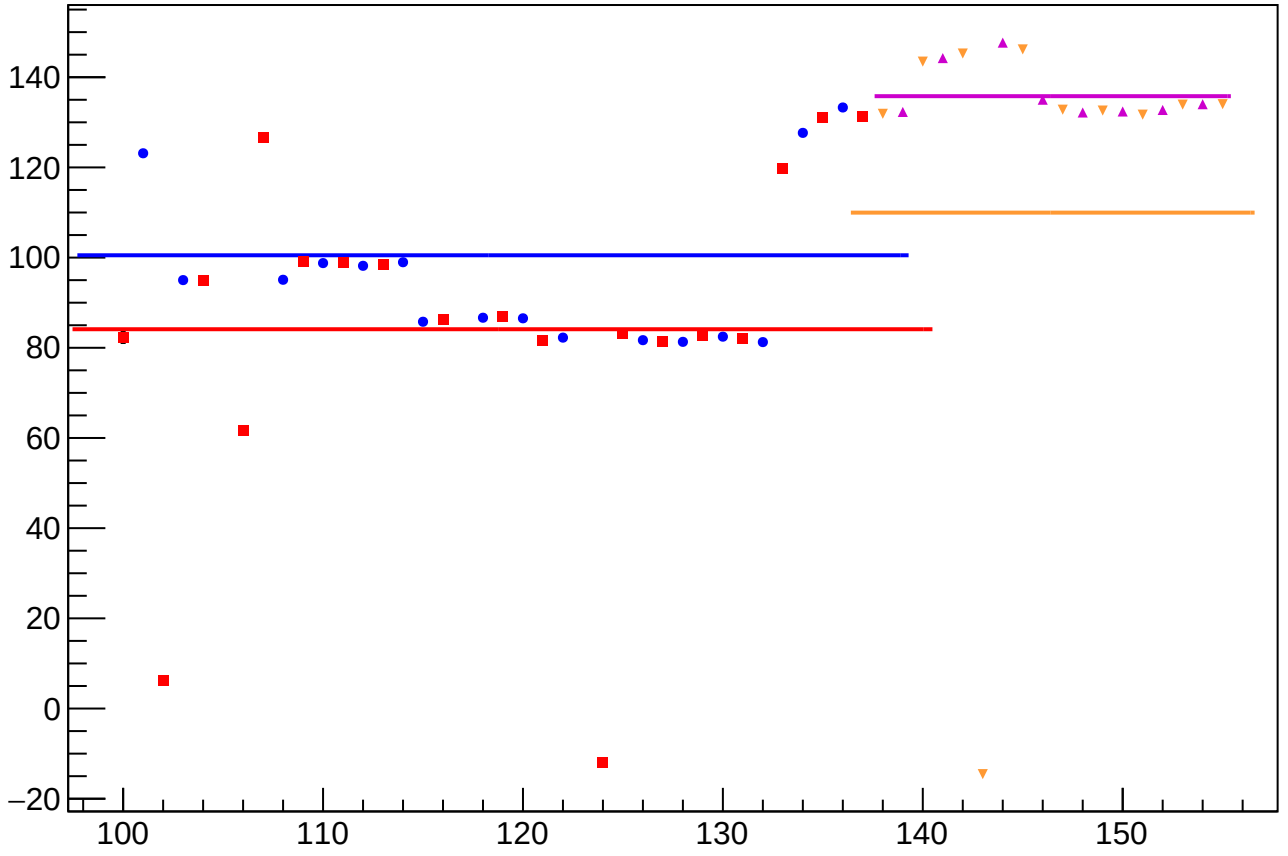
Left In: -68.568+/-1.407 χ^2/NDF:37.4/7

+ sign -64.555+/-0.854 χ^2/NDF: 866.3/25

All: -65.486+/-0.619 χ^2/NDF: 1338.8/52

- sign -66.516+/-0.898 χ^2/NDF: 470.1/26

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 109.974+/-0.061 χ^2/NDF:888597.1/9

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

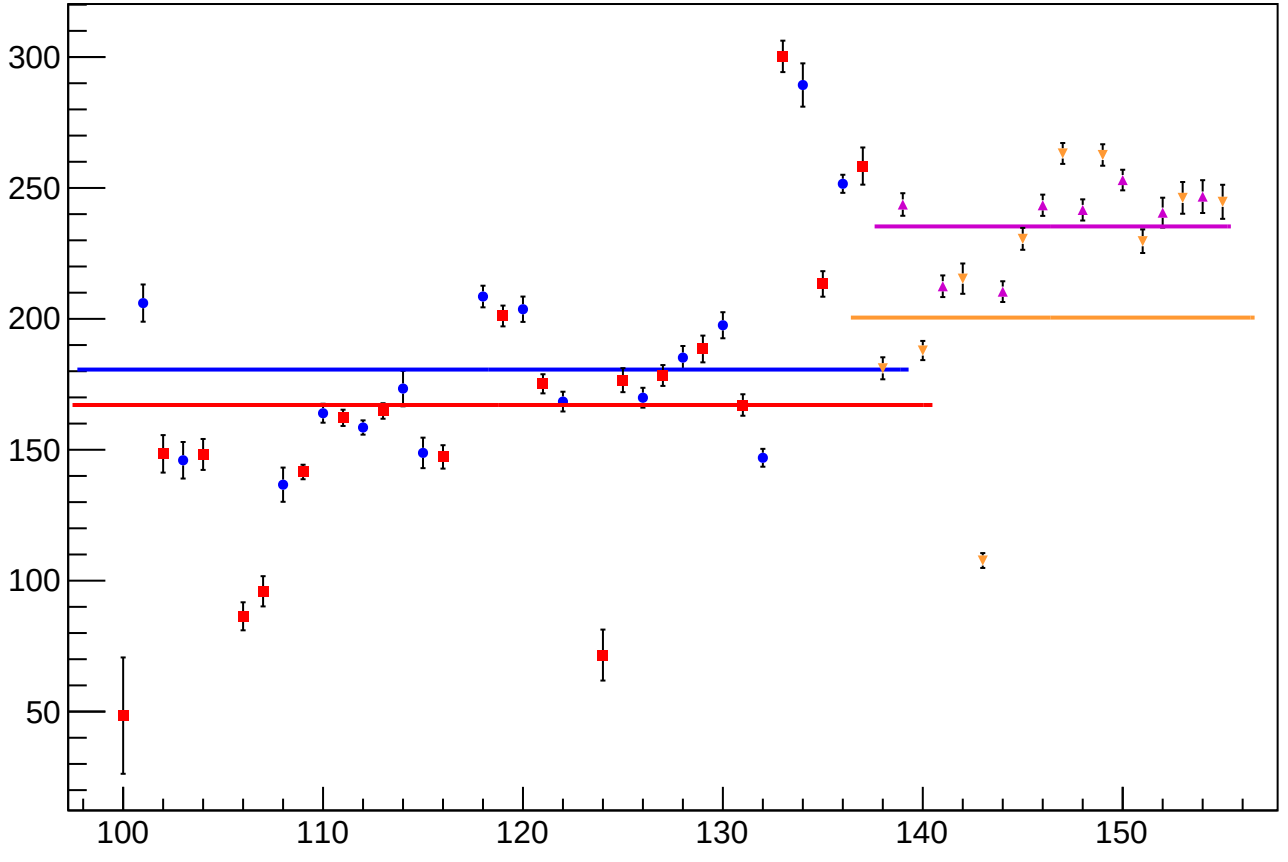
Left In: 135.797+/-0.067 χ^2/NDF:6520.0/7

\+ sign 106.147+/-0.047 χ^2/NDF: 965794.4/25

All: 108.372+/-0.034 χ^2/NDF: 1527626.4/52

\- sign 110.708+/-0.048 χ^2/NDF: 557248.6/26

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: 200.487+/-1.331 χ^2/NDF:1778.5/9

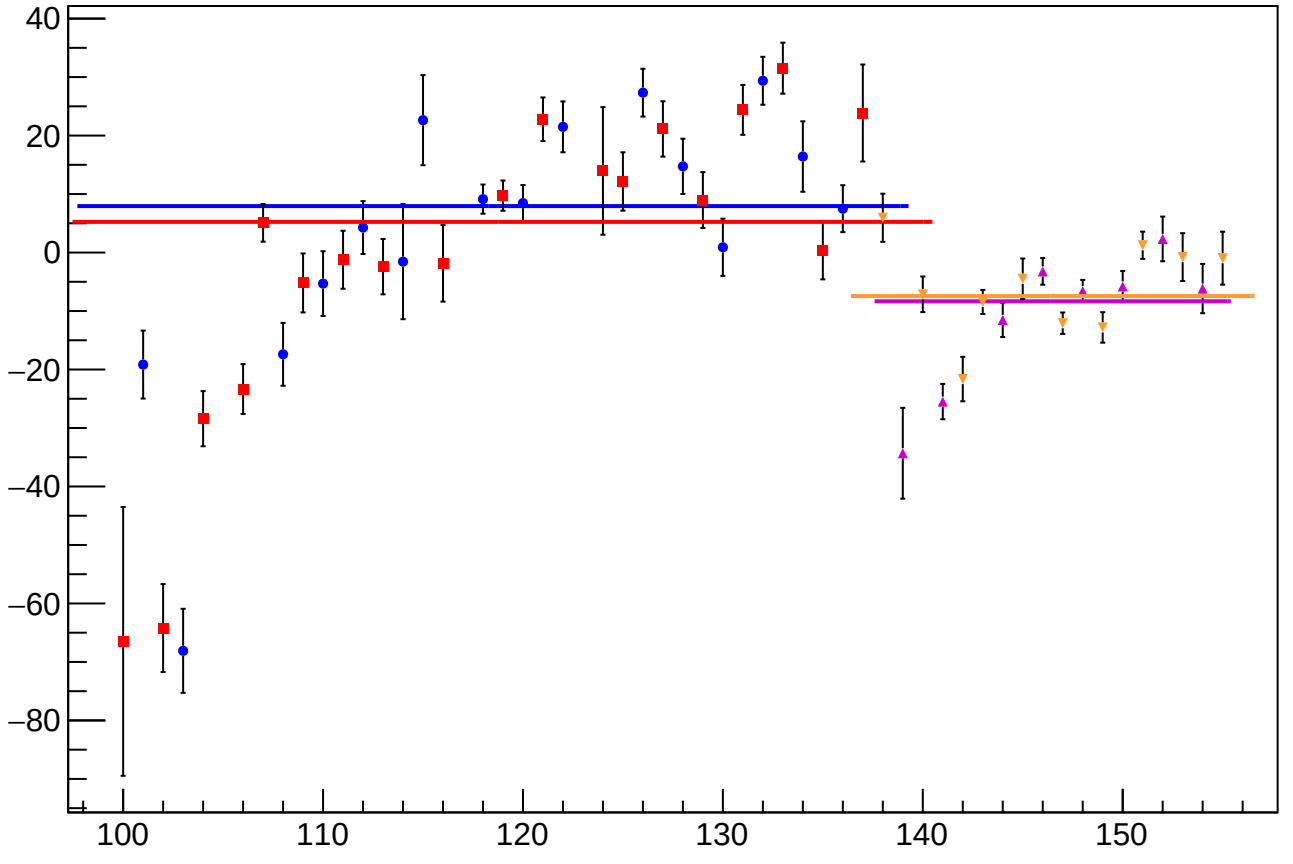
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.304+/-1.546 χ^2/NDF:104.7/7

+ sign 188.599+/-0.843 χ^2/NDF: 2905.1/25

All: 188.212+/-0.599 χ^2/NDF: 5850.6/52

- sign 187.818+/-0.852 χ^2/NDF: 2945.1/26



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.441+/-0.879 χ^2/NDF:54.8/9

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

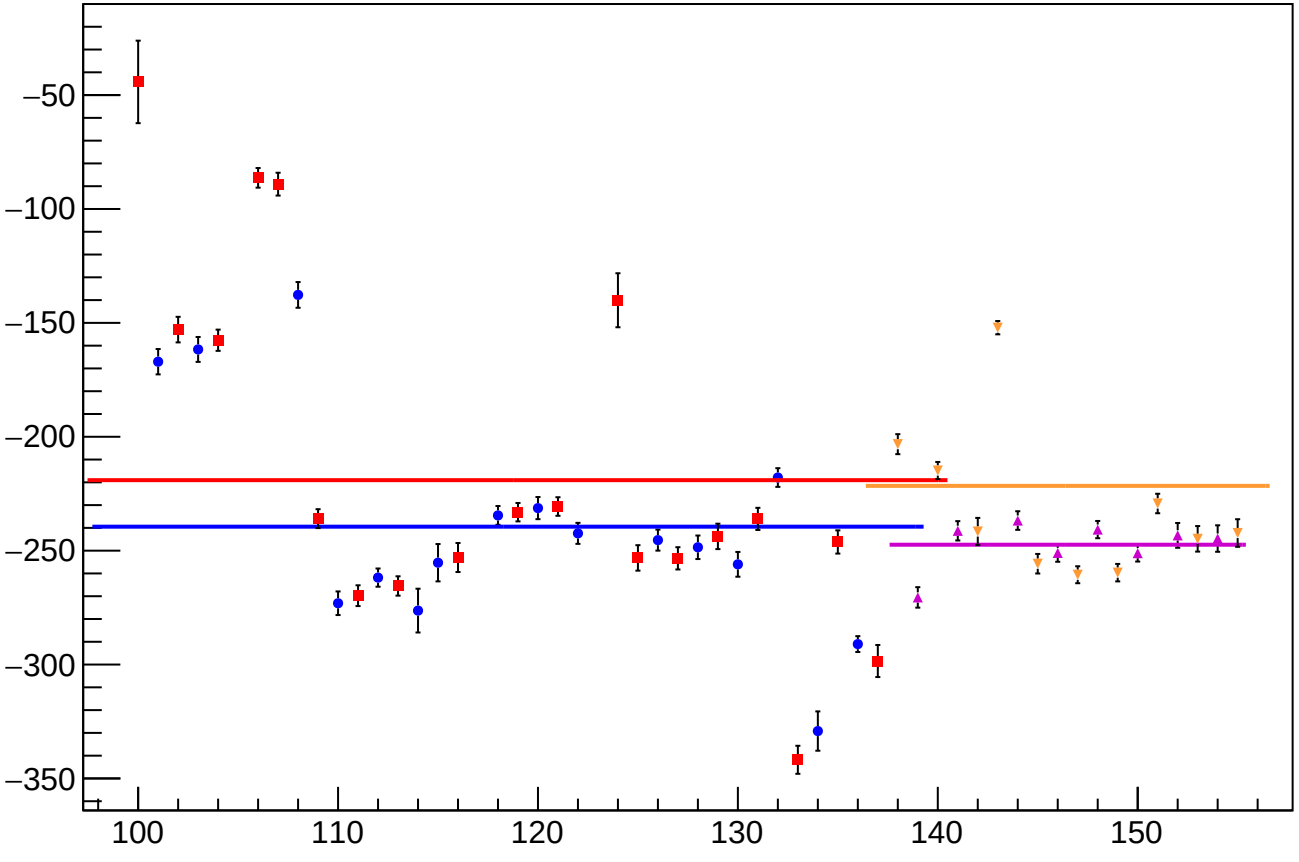
Left In: -8.332+/-1.010 χ^2/NDF:59.4/7

+ sign -1.531+/-0.690 χ^2/NDF: 405.3/25

All: -1.697+/-0.502 χ^2/NDF: 853.6/52

- sign -1.884+/-0.732 χ^2/NDF: 448.2/26

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: -221.554+/-1.318 χ^2/NDF:900.8/9

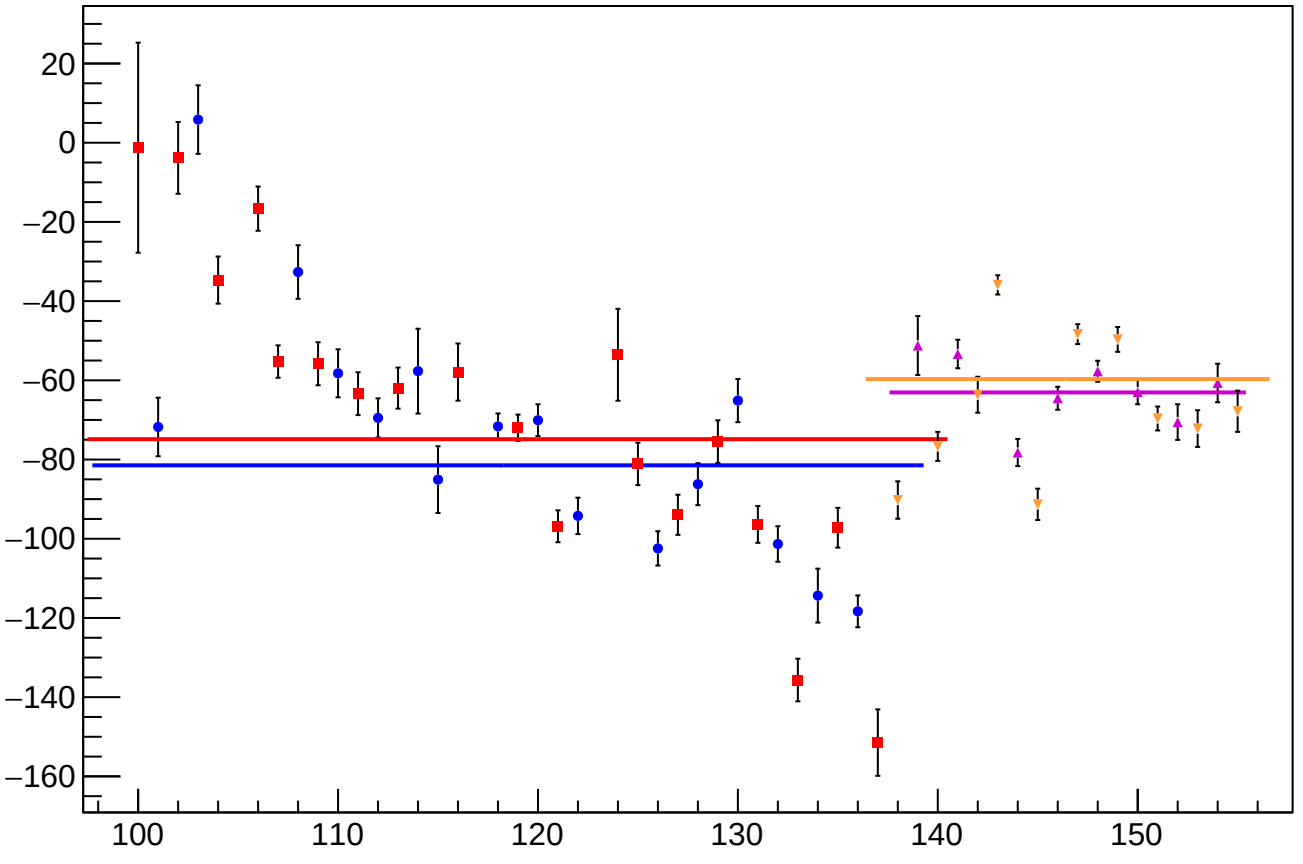
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.391+/-1.510 χ^2/NDF:41.1/7

+ sign -231.017+/-0.905 χ^2/NDF: 2160.7/25

All: -230.403+/-0.648 χ^2/NDF: 5471.2/52

- sign -229.757+/-0.928 χ^2/NDF: 3309.6/26



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.688+/-1.083 χ^2/NDF:274.4/9

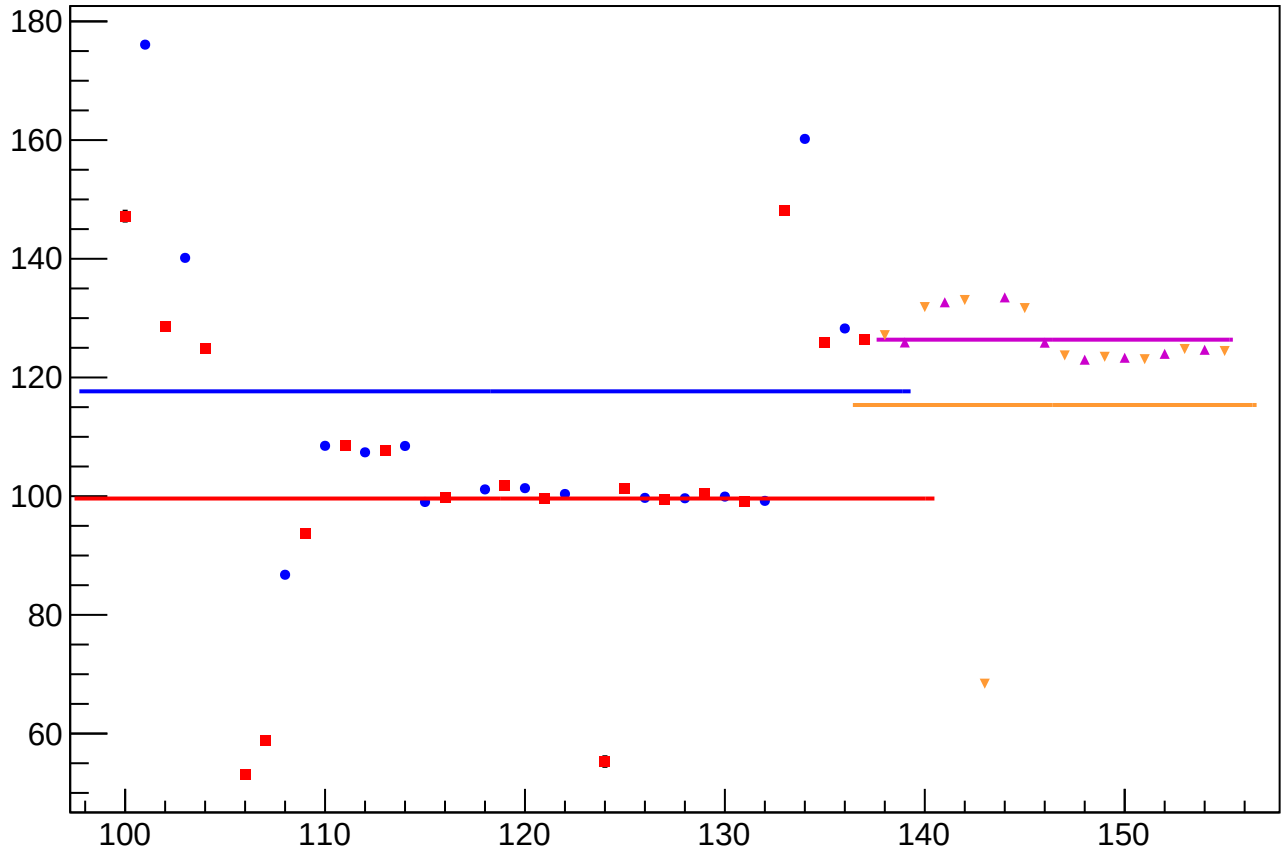
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.057+/-1.249 χ^2/NDF:36.7/7

+ sign -68.712+/-0.828 χ^2/NDF: 808.6/25

All: -68.871+/-0.602 χ^2/NDF: 1467.3/52

- sign -69.050+/-0.876 χ^2/NDF: 658.7/26



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.364+/-0.054 χ^2/NDF:189093.5/9

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

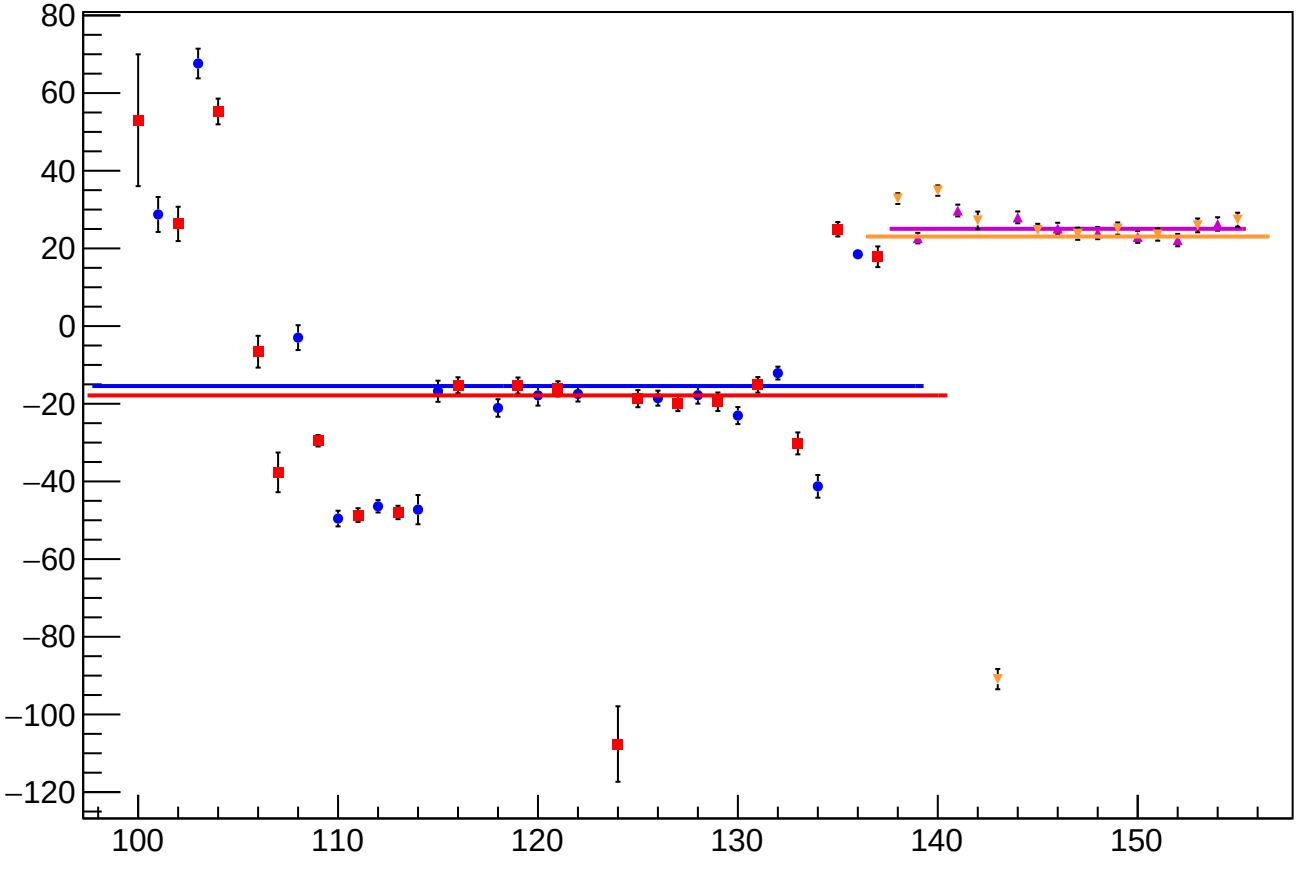
Left In: 126.370+/-0.060 χ^2/NDF:3982.5/7

+ sign 116.101+/-0.044 χ^2/NDF: 285079.3/25

All: 115.605+/-0.032 χ^2/NDF: 539351.5/52

- sign 115.078+/-0.046 χ^2/NDF: 254013.5/26

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: 23.060+/-0.524 χ^2/NDF:2045.7/9

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

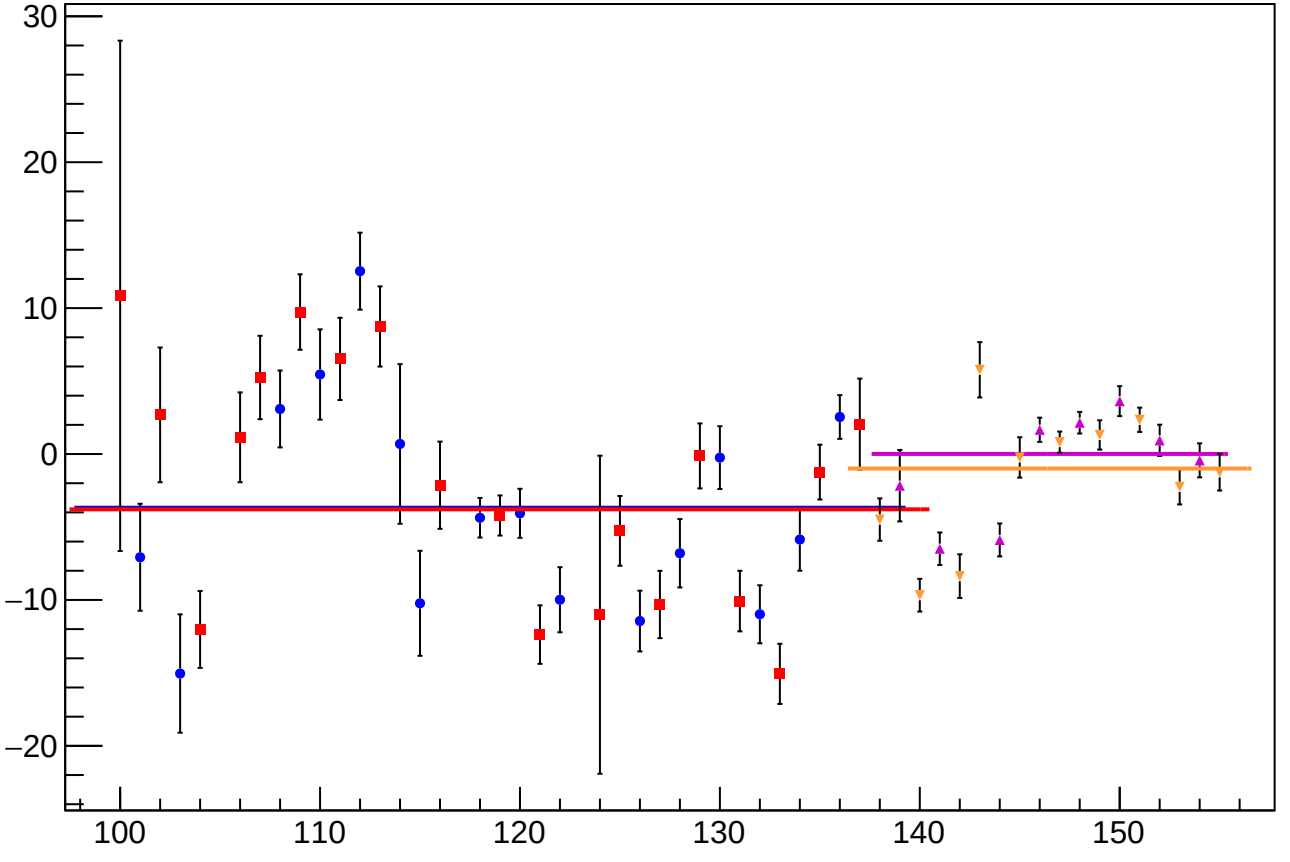
Left In: 25.046+/-0.540 χ^2/NDF:22.7/7

+ sign 4.355+/-0.376 χ^2/NDF: 6792.3/25

All: 3.776+/-0.267 χ^2/NDF: 12161.9/52

- sign 3.189+/-0.378 χ^2/NDF: 5364.8/26

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.996+/-0.349 χ^2/NDF:131.8/9

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

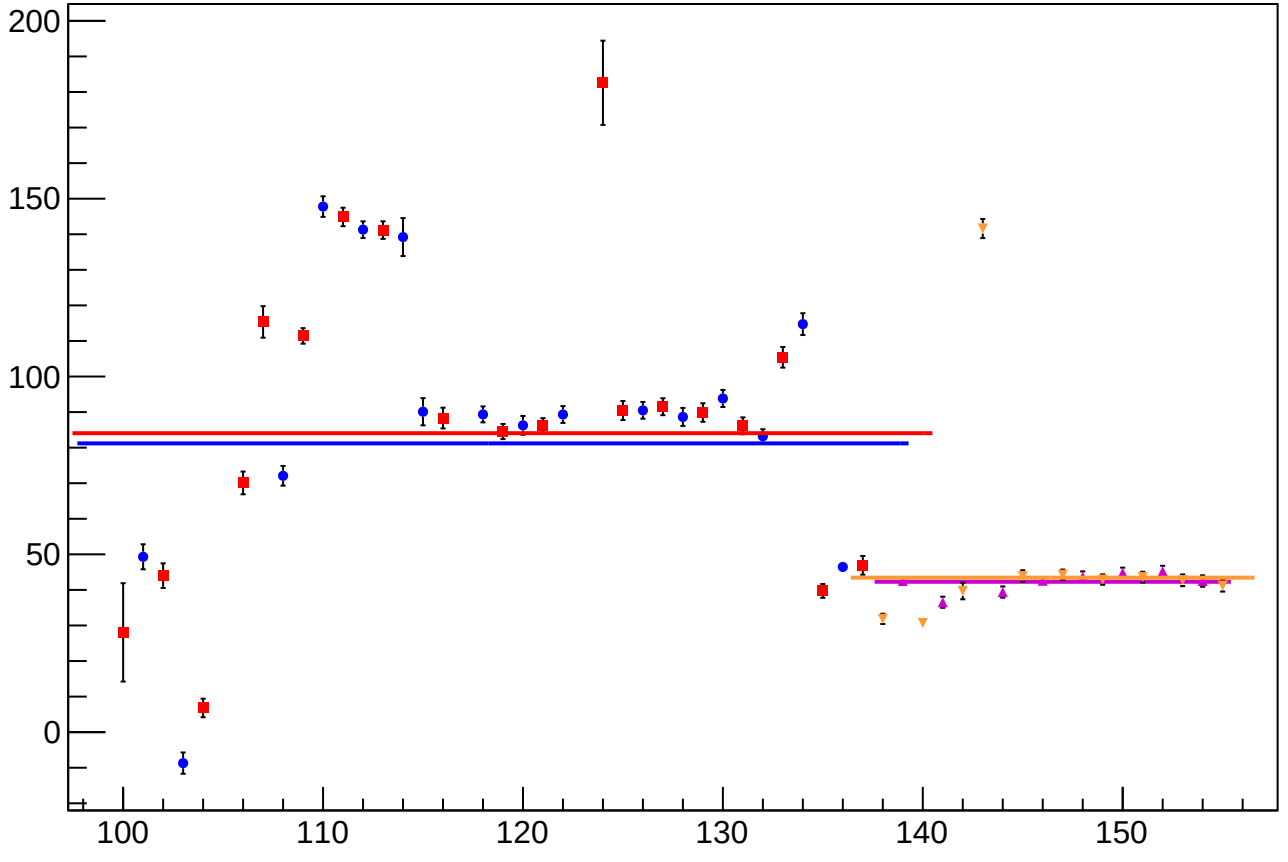
Left In: 0.008+/-0.363 χ^2/NDF:87.6/7

+ sign -1.764+/-0.295 χ^2/NDF: 272.7/25

All: -1.446+/-0.212 χ^2/NDF: 556.0/52

- sign -1.106+/-0.305 χ^2/NDF: 280.9/26

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: 43.445+/-0.513 χ^2/NDF:1489.6/9

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

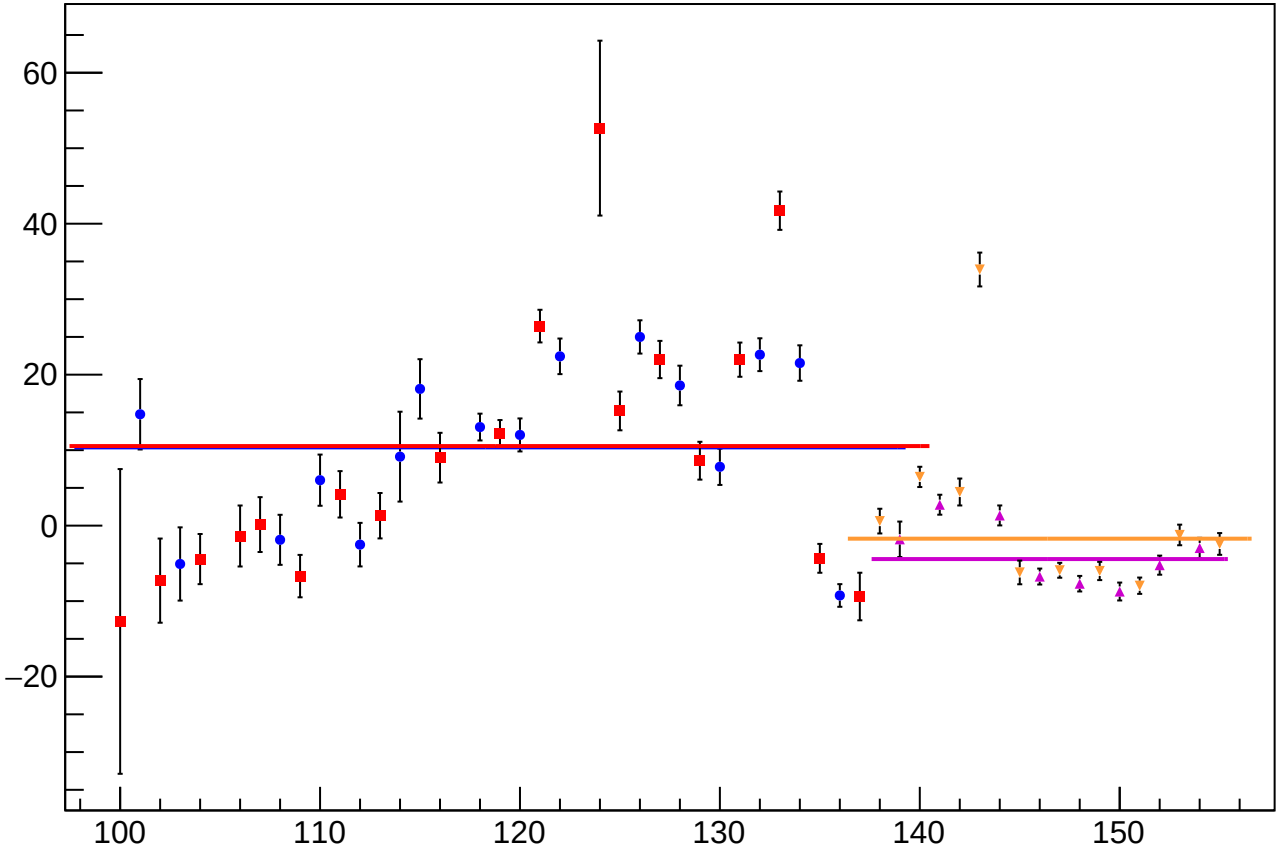
Left In: 42.289+/-0.527 χ^2/NDF:25.2/7

+ sign 59.189+/-0.392 χ^2/NDF: 6975.7/25

All: 59.559+/-0.280 χ^2/NDF: 12862.2/52

- sign 59.946+/-0.401 χ^2/NDF: 5884.7/26

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.728+/-0.429 χ^2/NDF:376.7/9

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

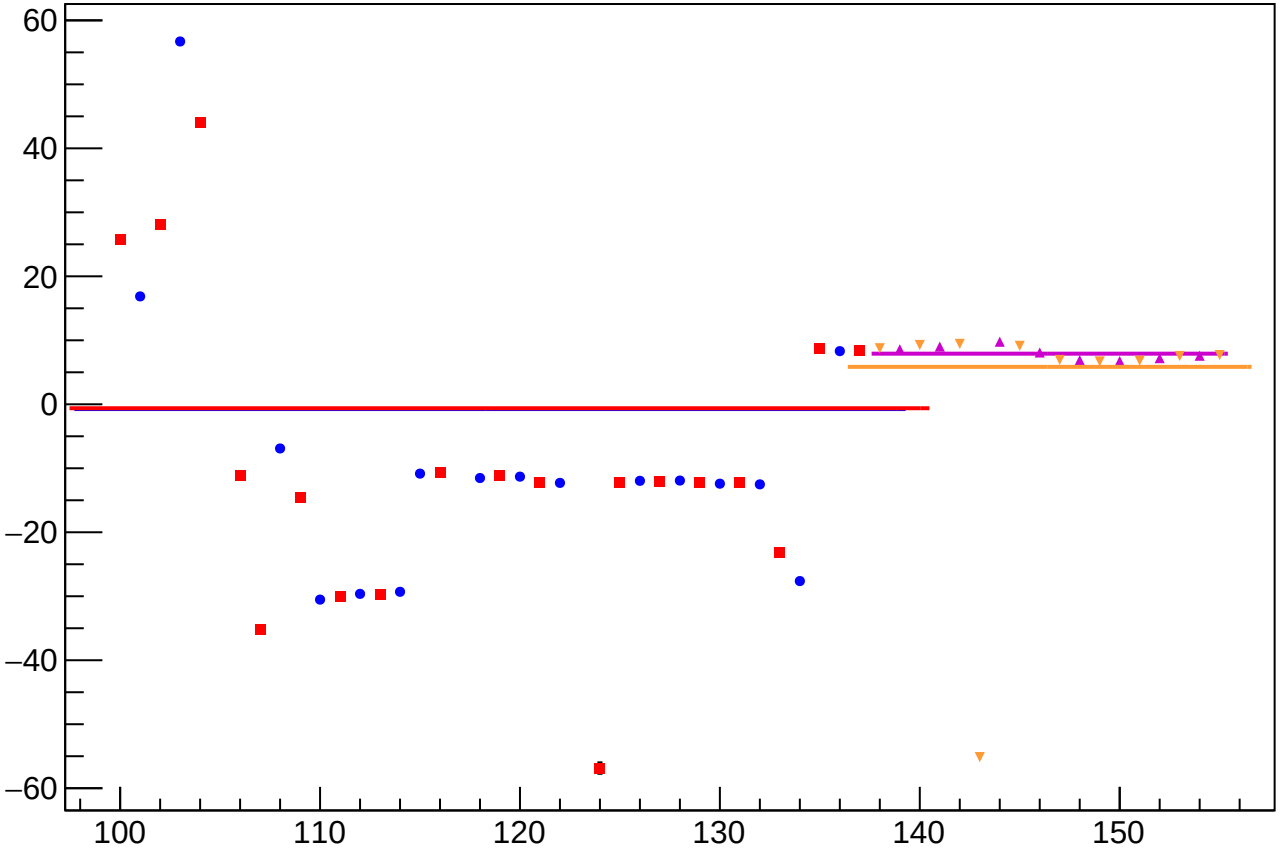
Left In: -4.430+/-0.445 χ^2/NDF:79.6/7

\+ sign 2.133+/-0.354 χ^2/NDF: 990.2/25

All: 1.315+/-0.254 χ^2/NDF: 1920.1/52

\- sign 0.444+/-0.365 χ^2/NDF: 919.0/26

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.850+/-0.020 χ^2/NDF:310314.9/9

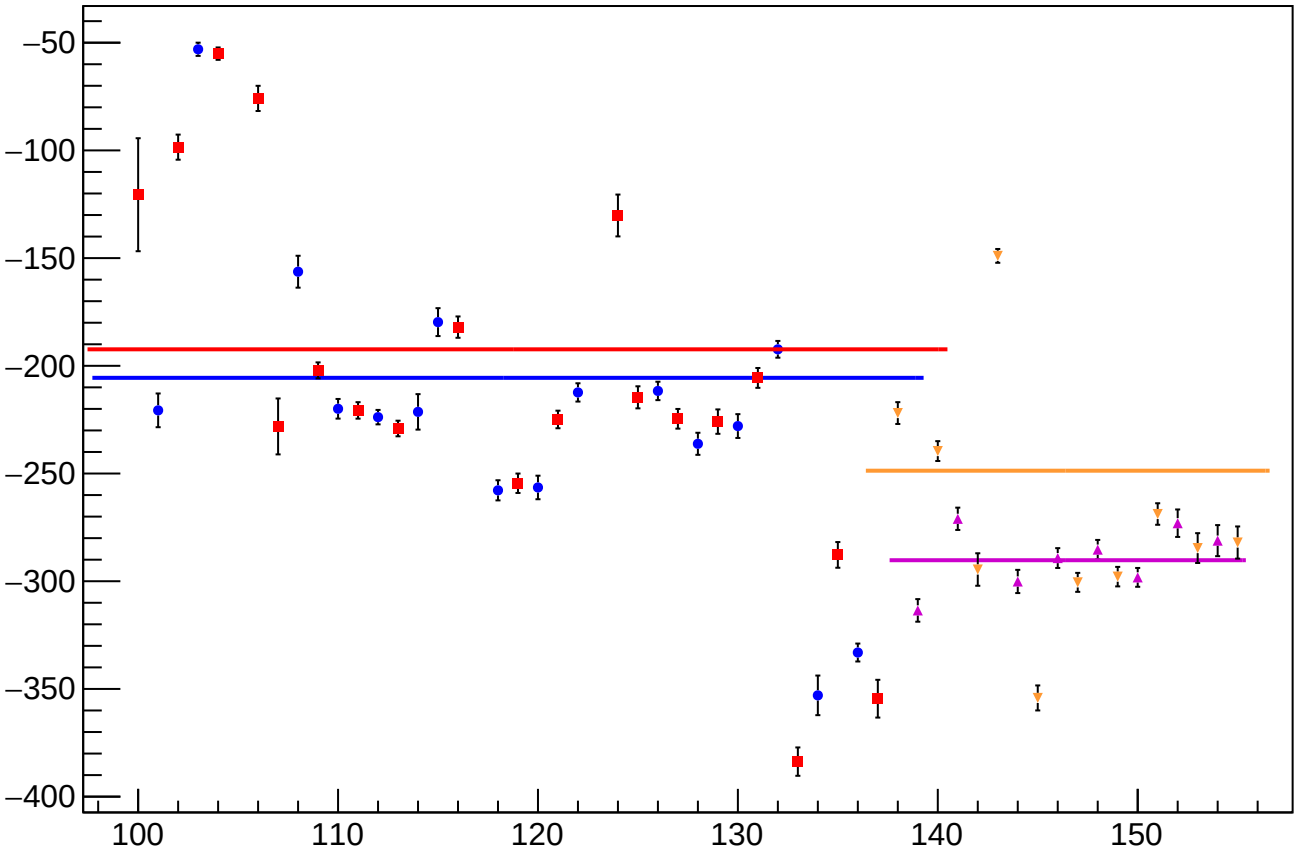
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.911+/-0.021 χ^2/NDF:2091.0/7

+ sign 4.253+/-0.018 χ^2/NDF: 703911.5/25

All: 5.076+/-0.013 χ^2/NDF: 1067012.4/52

- sign 5.931+/-0.018 χ^2/NDF: 358666.3/26



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -248.686+/-1.562 χ^2/NDF:1684.7/9

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

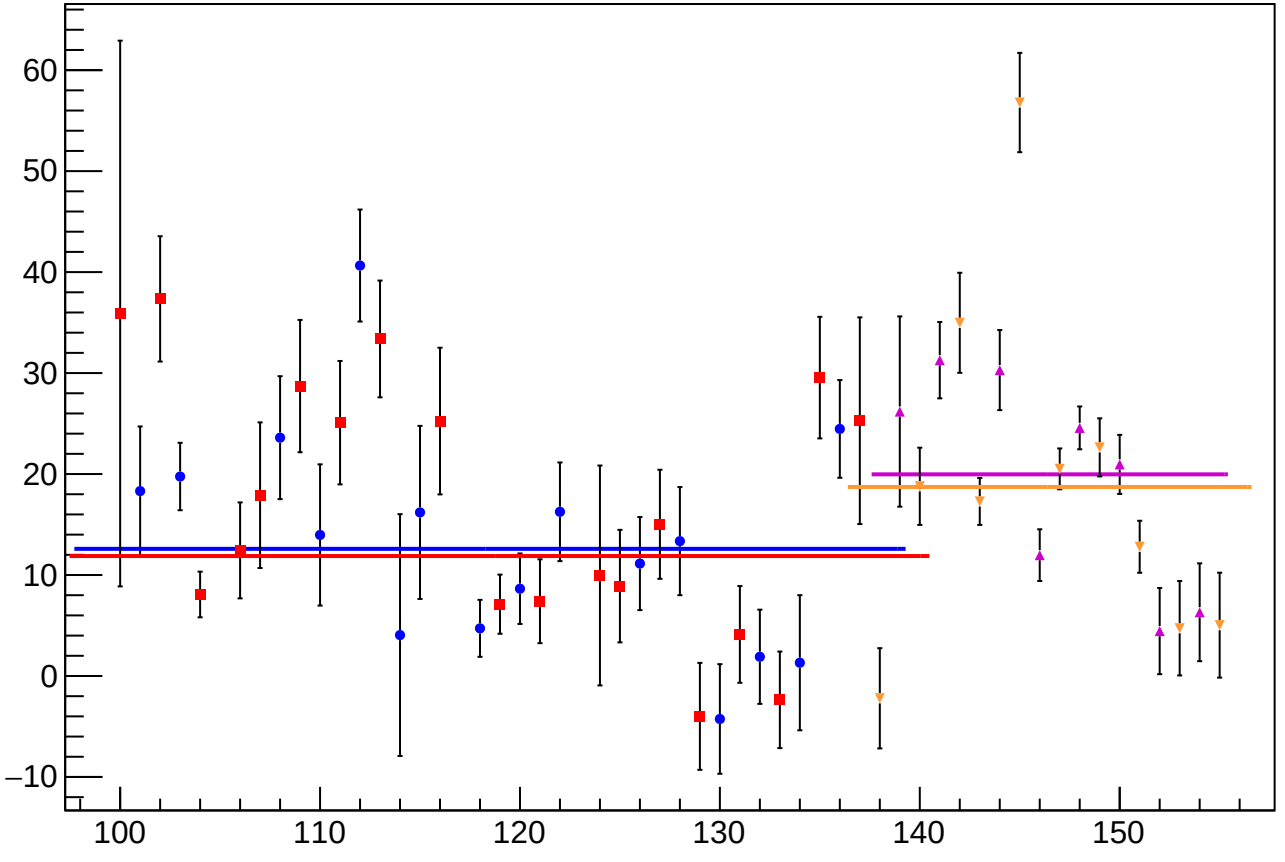
Left In: -290.247+/-1.823 χ^2/NDF:50.3/7

+ sign -221.316+/-0.944 χ^2/NDF: 6224.1/25

All: -220.297+/-0.672 χ^2/NDF: 13337.2/52

- sign -219.252+/-0.956 χ^2/NDF: 7110.7/26

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 18.719+/-1.013 χ^2/NDF:112.7/9

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

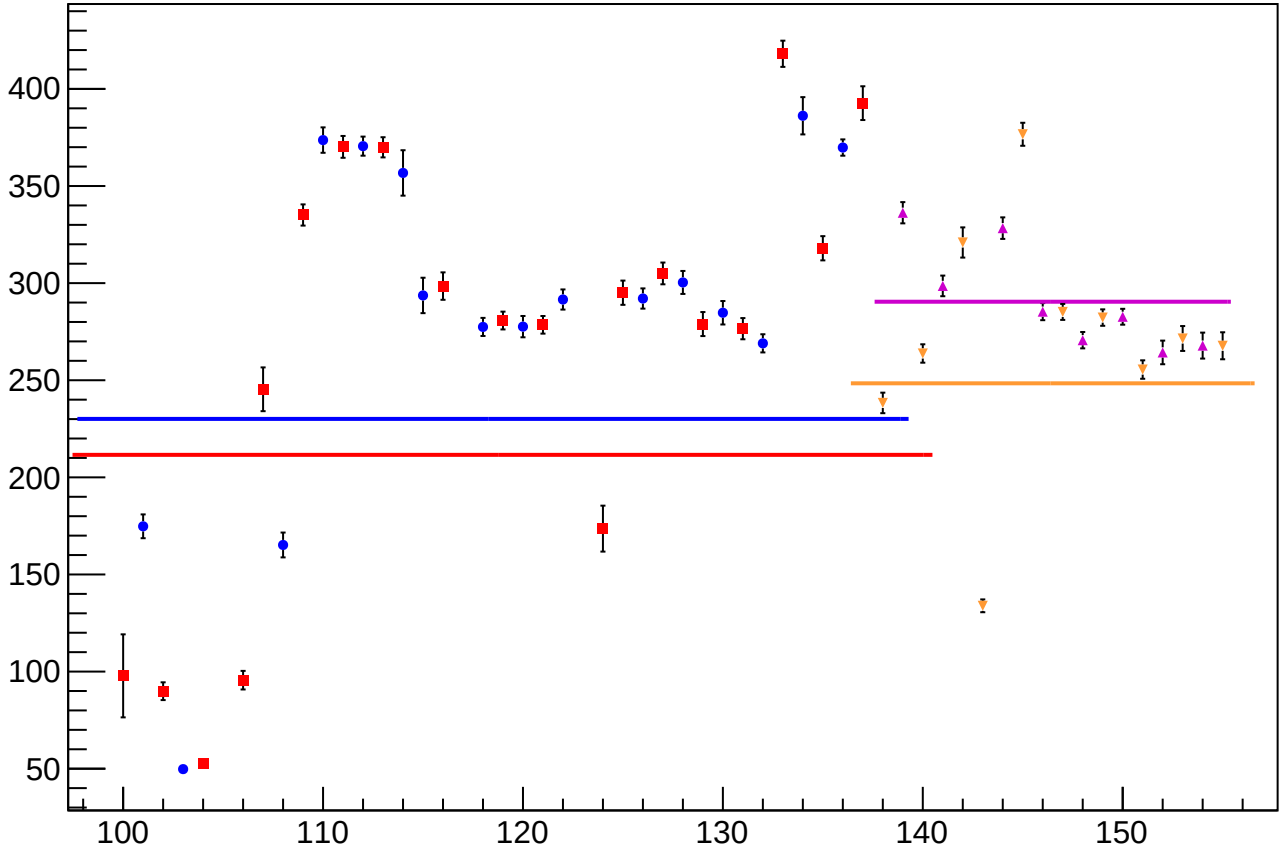
Left In: 19.971+/-1.167 χ^2/NDF:51.9/7

+ sign 16.177+/-0.775 χ^2/NDF: 196.4/25

All: 15.979+/-0.559 χ^2/NDF: 358.3/52

- sign 15.764+/-0.809 χ^2/NDF: 161.8/26

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: 248.419+/-1.539 χ^2/NDF:1942.9/9

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

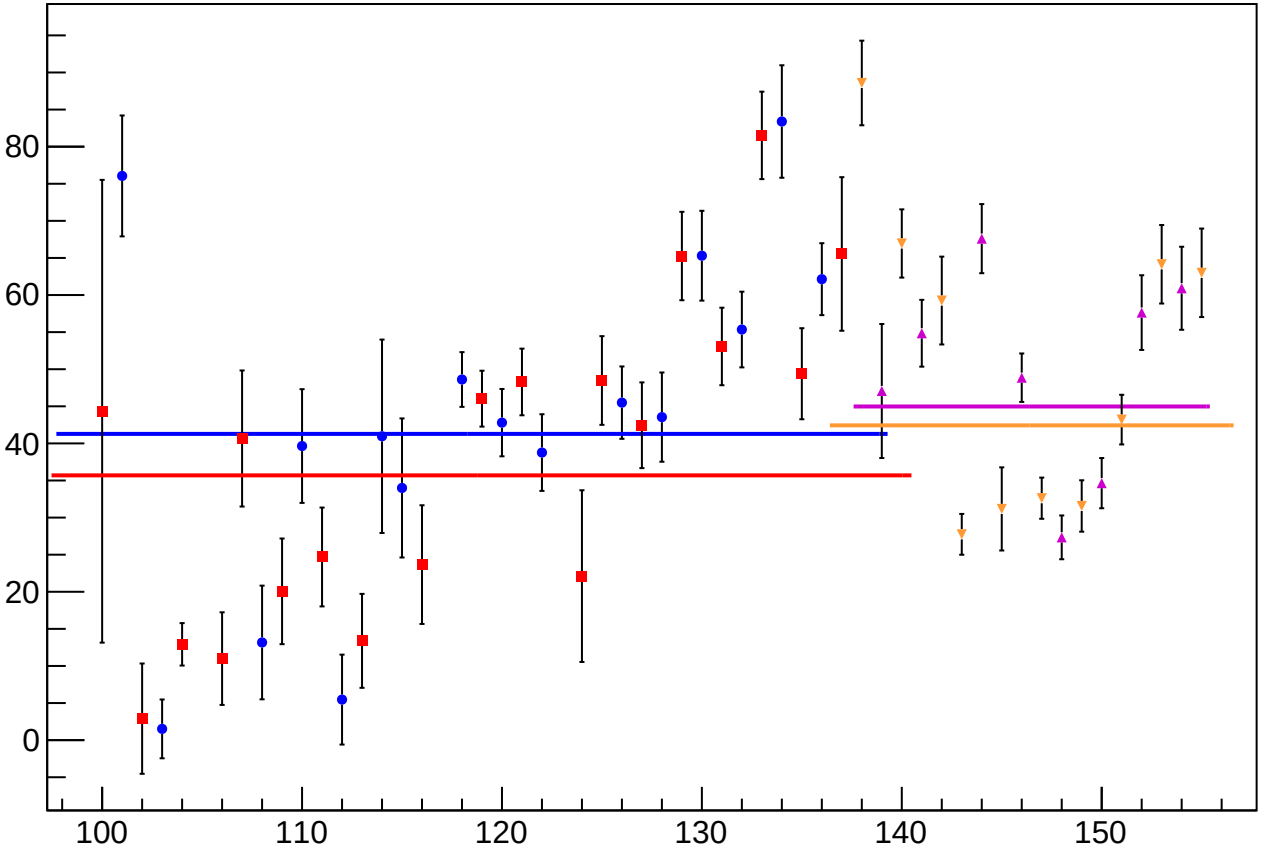
Left In: 290.427+/-1.771 χ^2/NDF:176.1/7

+ sign 237.443+/-0.975 χ^2/NDF: 11403.4/25

All: 236.859+/-0.695 χ^2/NDF: 24413.5/52

- sign 236.256+/-0.991 χ^2/NDF: 13009.4/26

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 42.433+/-1.253 χ^2/NDF:185.7/9

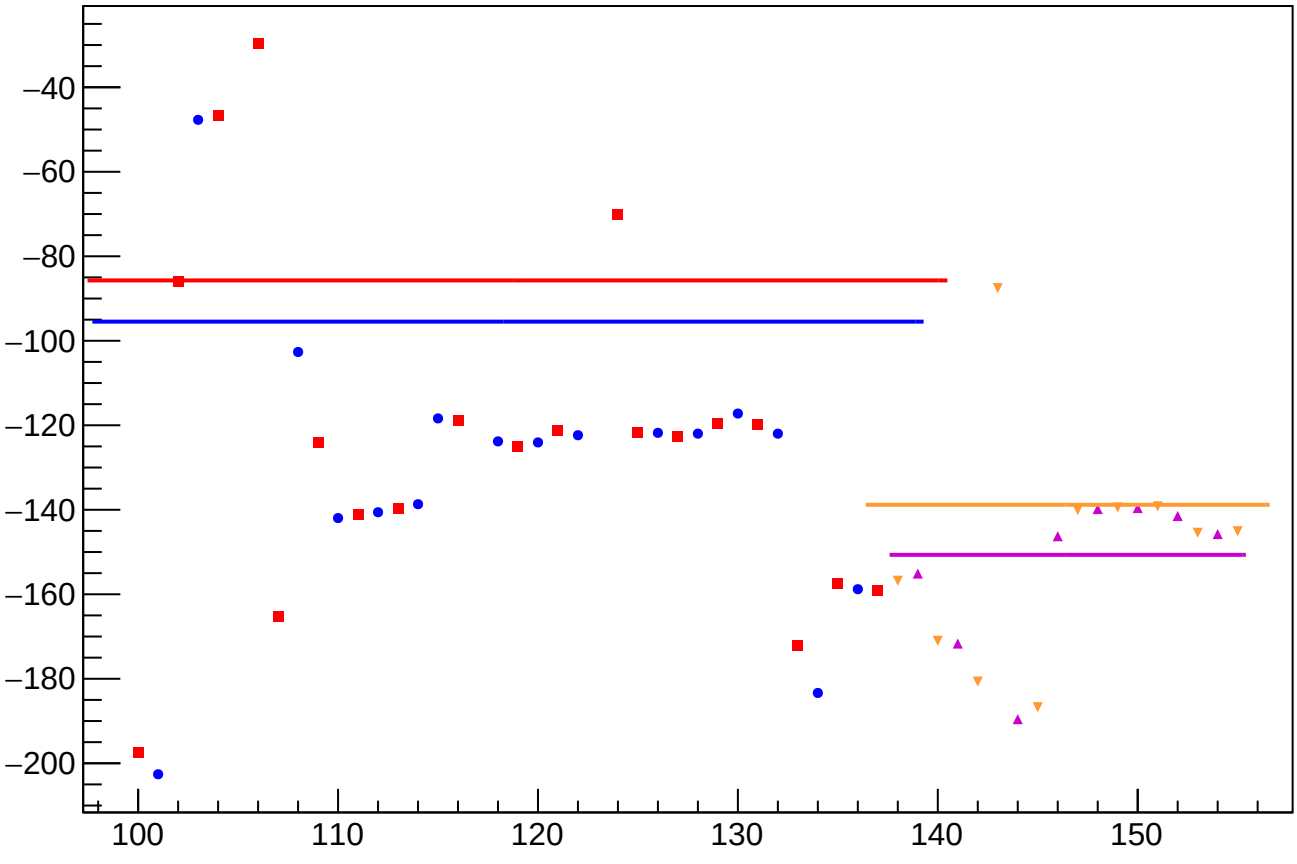
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 44.978+/-1.451 χ^2/NDF:89.4/7

+ sign 41.920+/-0.933 χ^2/NDF: 431.8/25

All: 40.948+/-0.674 χ^2/NDF: 799.1/52

- sign 39.887+/-0.975 χ^2/NDF: 365.0/26



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -138.817+/-0.063 χ^2/NDF:230191.9/9

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

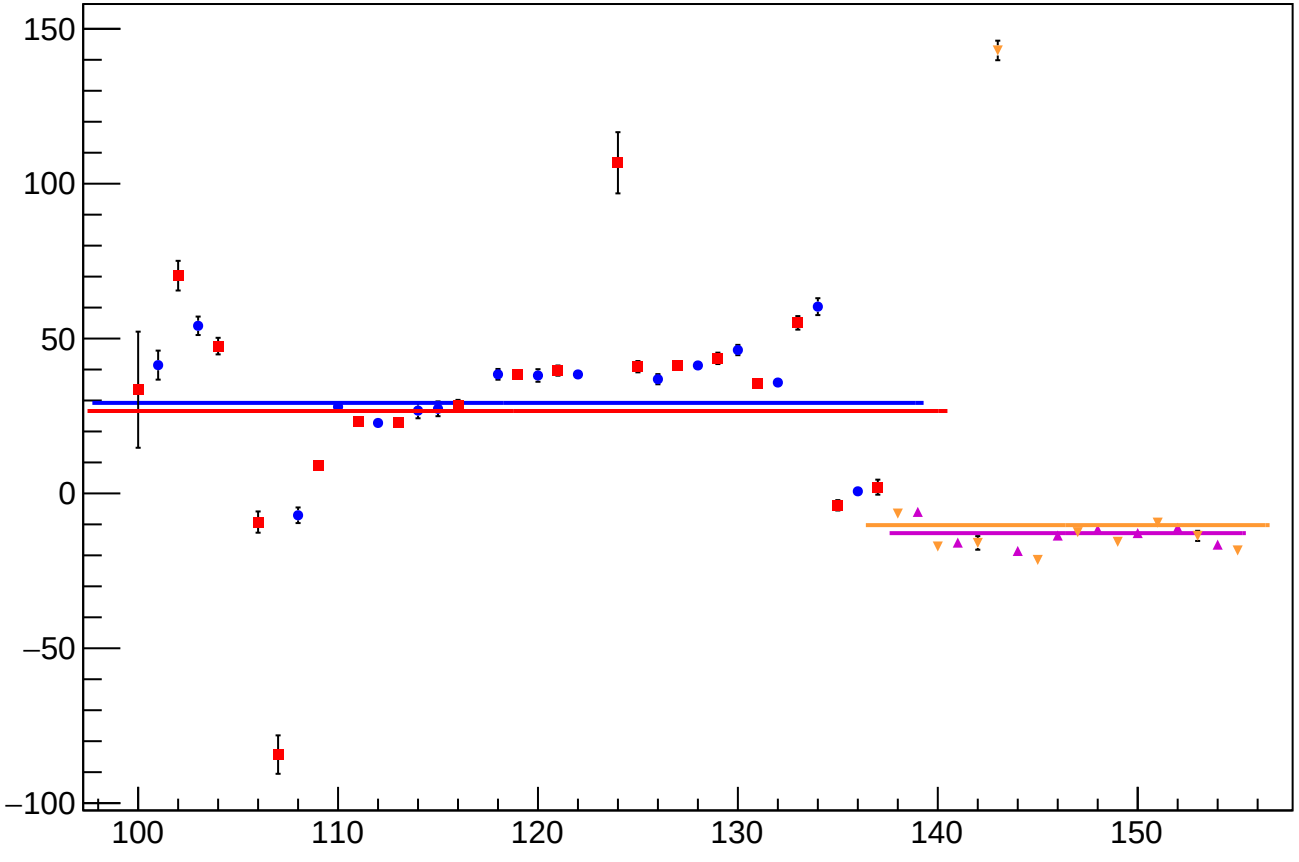
Left In: -150.664+/-0.070 χ^2/NDF:45544.6/7

+ sign -119.342+/-0.047 χ^2/NDF: 964696.8/25

All: -118.040+/-0.034 χ^2/NDF: 1942403.2/52

- sign -116.629+/-0.048 χ^2/NDF: 976077.3/26

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -10.240+/-0.490 χ^2/NDF:2503.0/9

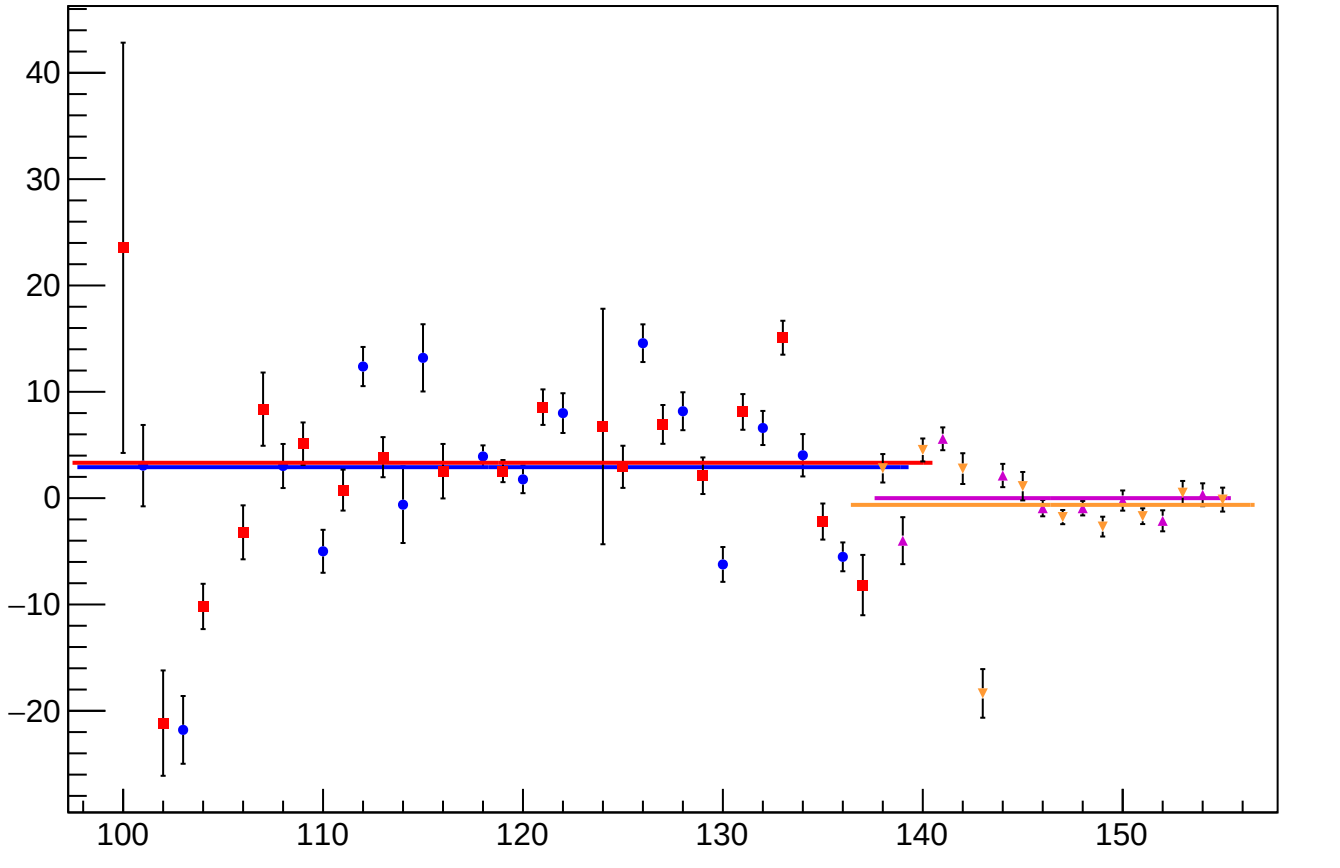
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

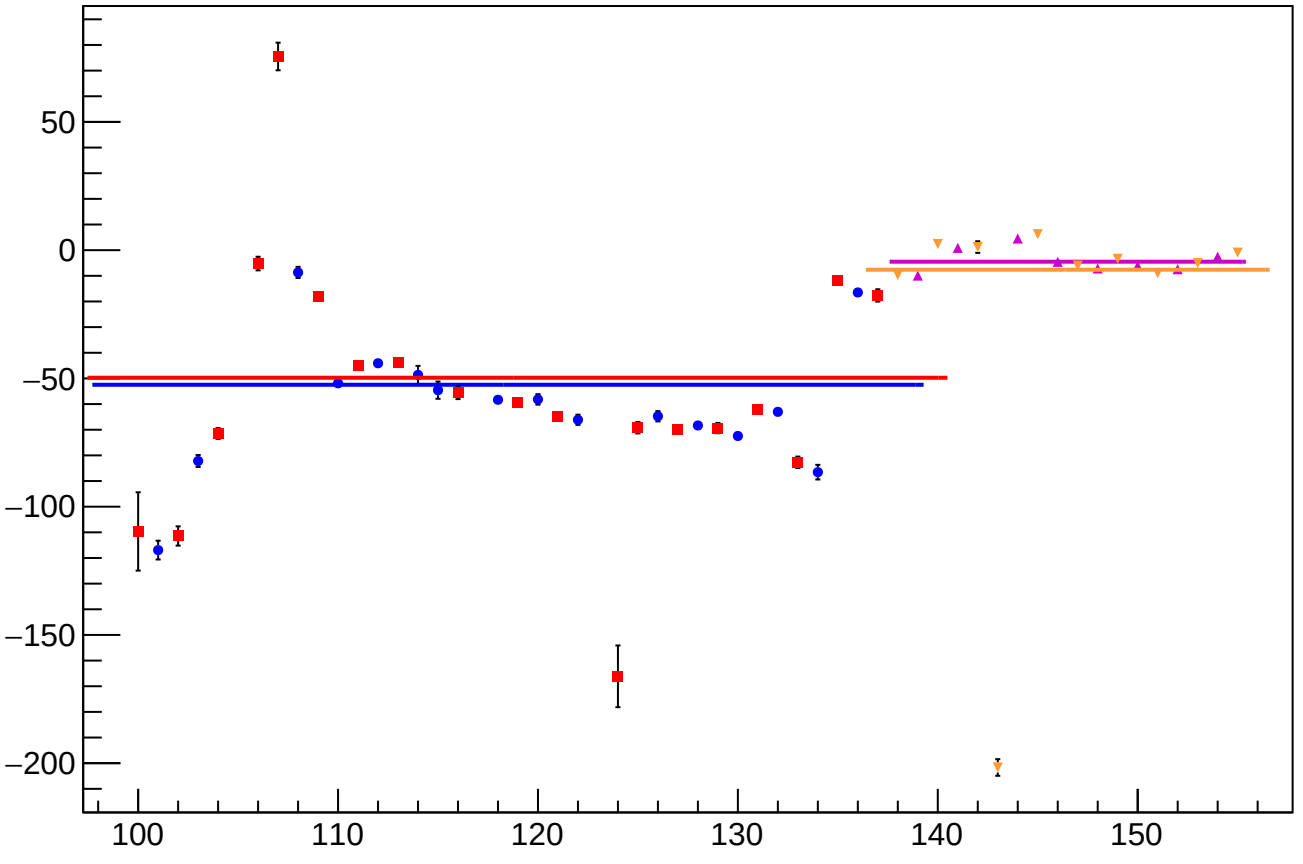
Left In: -12.827+/-0.501 χ^2/NDF:58.7/7

\+ sign 12.307+/-0.321 χ^2/NDF: 7556.1/25

All: 11.460+/-0.226 χ^2/NDF: 13226.5/52

\- sign 10.620+/-0.319 χ^2/NDF: 5656.5/26


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.632+/-0.325 χ²/NDF:108.0/9
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.000+/-0.338 χ²/NDF:42.3/7
+ sign 0.610+/-0.262 χ²/NDF: 399.6/25
All: 0.888+/-0.188 χ²/NDF: 660.6/52
- sign 1.187+/-0.271 χ²/NDF: 258.6/26



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -7.626+/-0.479 χ^2/NDF:3764.1/9

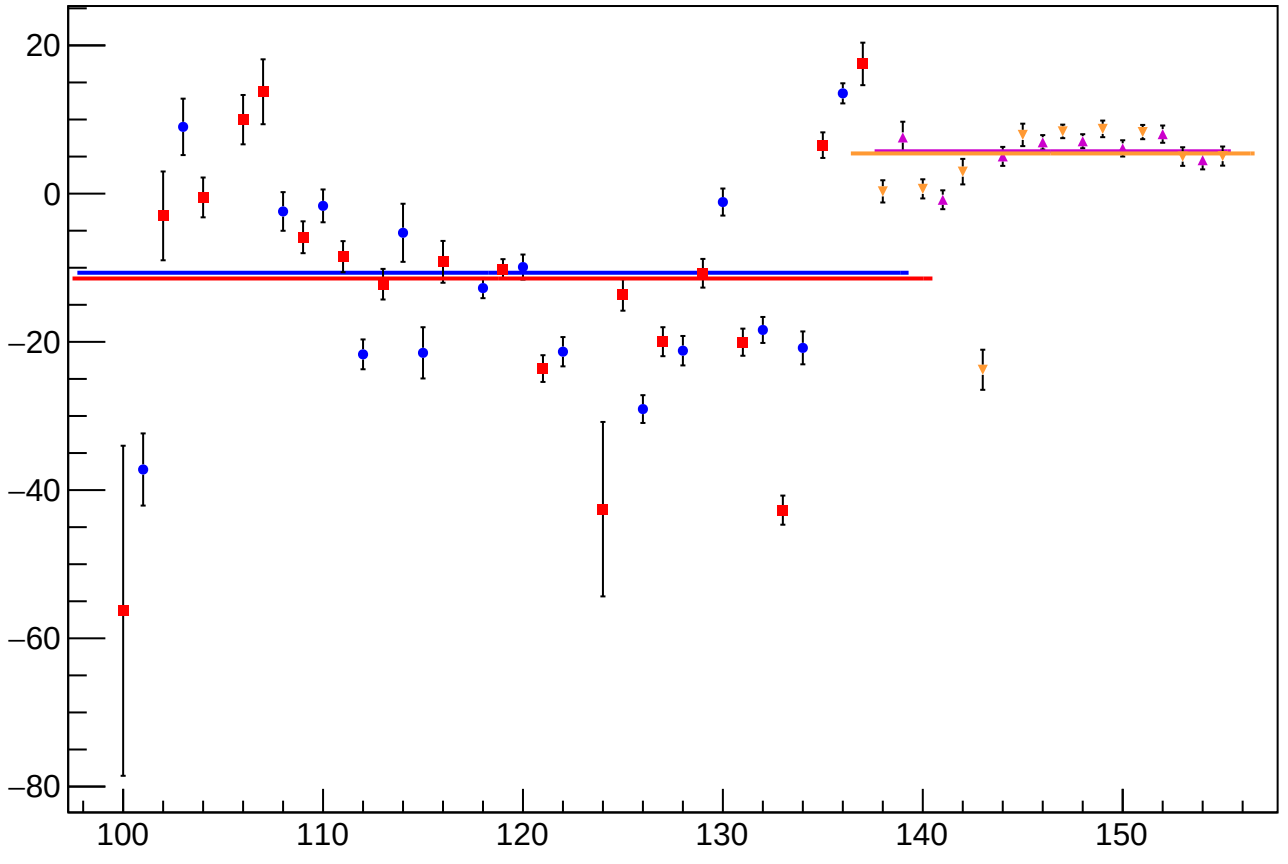
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.499+/-0.489 χ^2/NDF:77.6/7

+ sign -29.628+/-0.342 χ^2/NDF: 10398.7/25

All: -28.291+/-0.244 χ^2/NDF: 17747.7/52

- sign -26.907+/-0.348 χ^2/NDF: 7317.9/26



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.421+/-0.399 χ^2/NDF:175.1/9

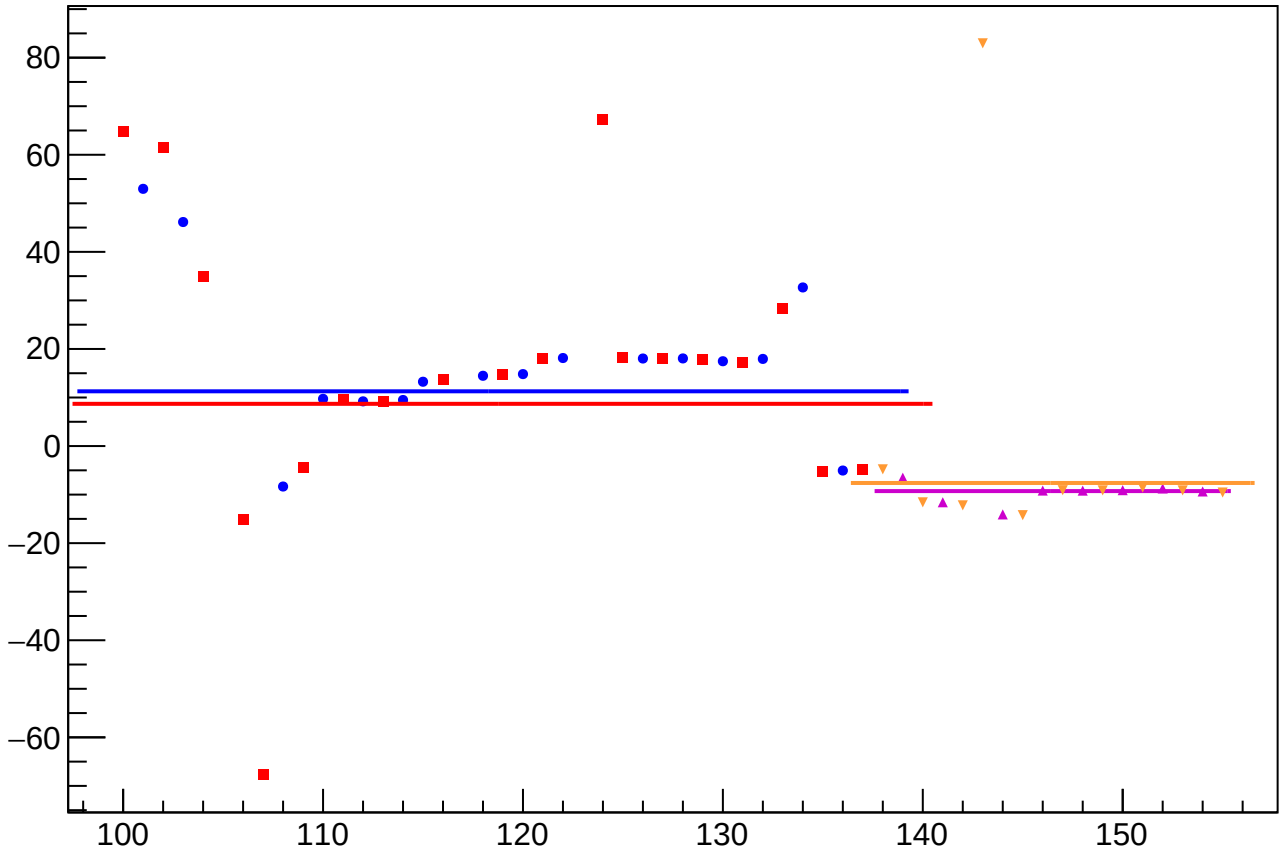
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.713+/-0.414 χ^2/NDF:36.1/7

\+ sign -0.767+/-0.313 χ^2/NDF: 1465.7/25

All: -0.884+/-0.225 χ^2/NDF: 2840.7/52

\- sign -1.008+/-0.323 χ^2/NDF: 1374.7/26



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.603+/-0.019 χ^2/NDF:474758.3/9

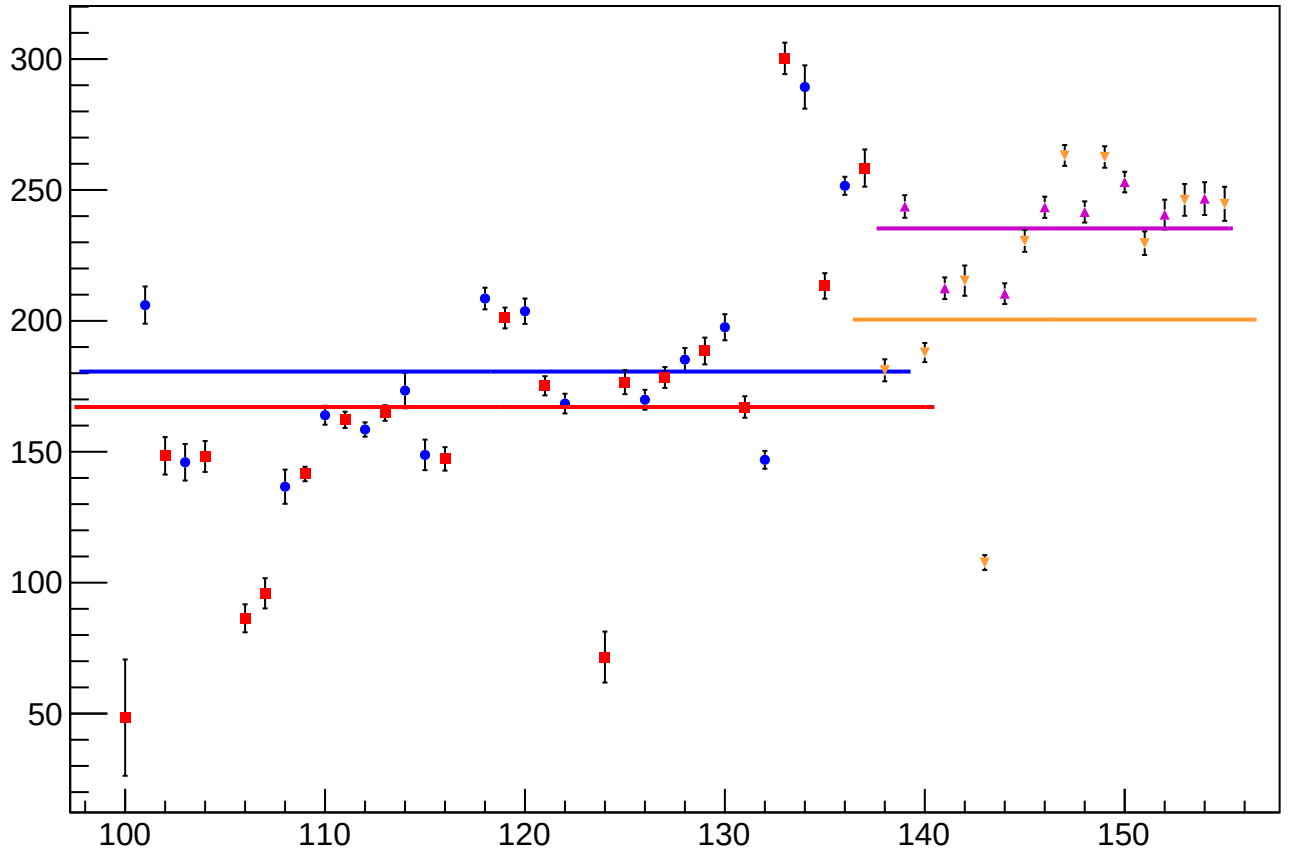
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.276+/-0.019 χ^2/NDF:10203.3/7

\+ sign -2.243+/-0.016 χ^2/NDF: 1109195.2/25

All: -3.331+/-0.011 χ^2/NDF: 1804666.2/52

\- sign -4.463+/-0.016 χ^2/NDF: 685967.2/26



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 200.487+/-1.331 χ^2/NDF:1778.5/9

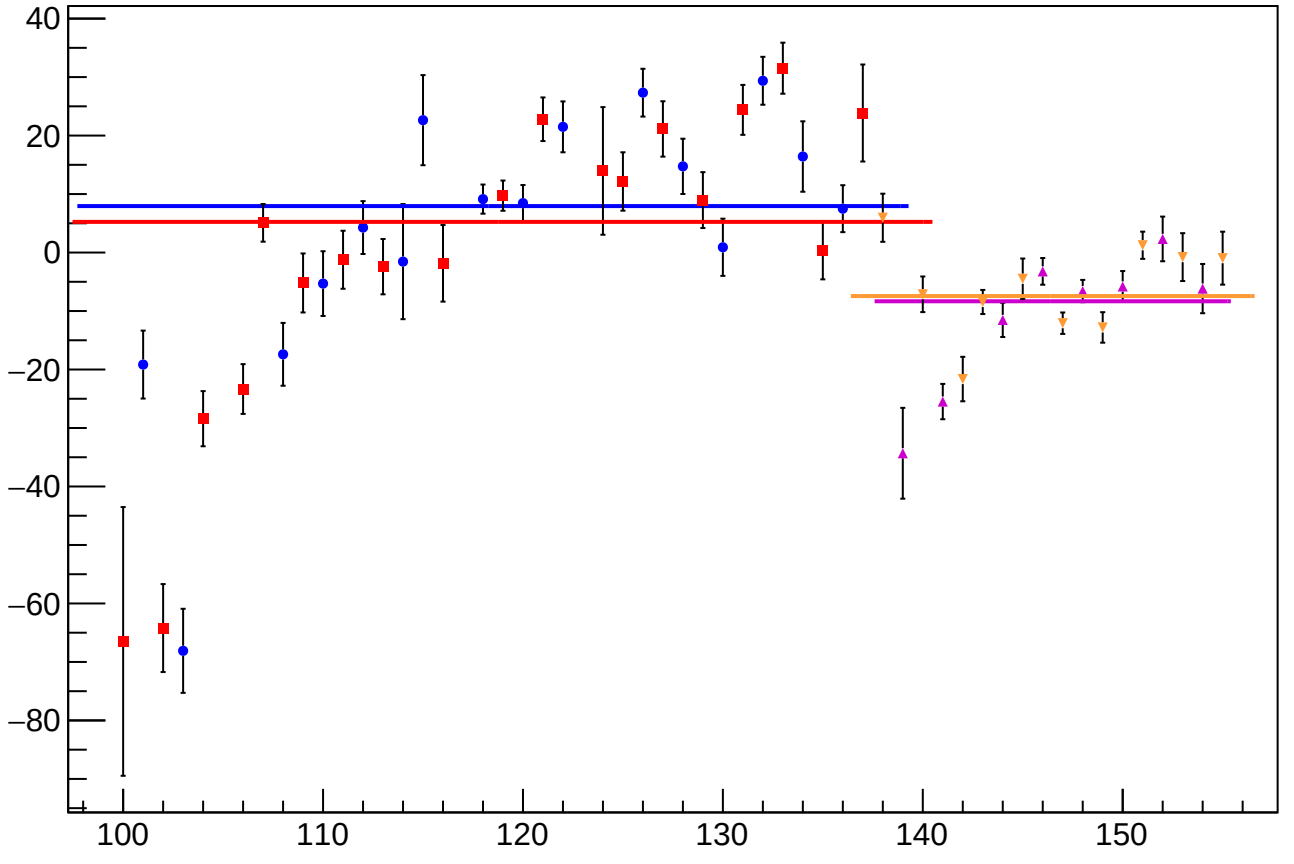
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.304+/-1.546 χ^2/NDF:104.7/7

+ sign 188.599+/-0.843 χ^2/NDF: 2905.1/25

All: 188.212+/-0.599 χ^2/NDF: 5850.6/52

- sign 187.818+/-0.852 χ^2/NDF: 2945.1/26



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.441+/-0.879 χ^2/NDF:54.8/9

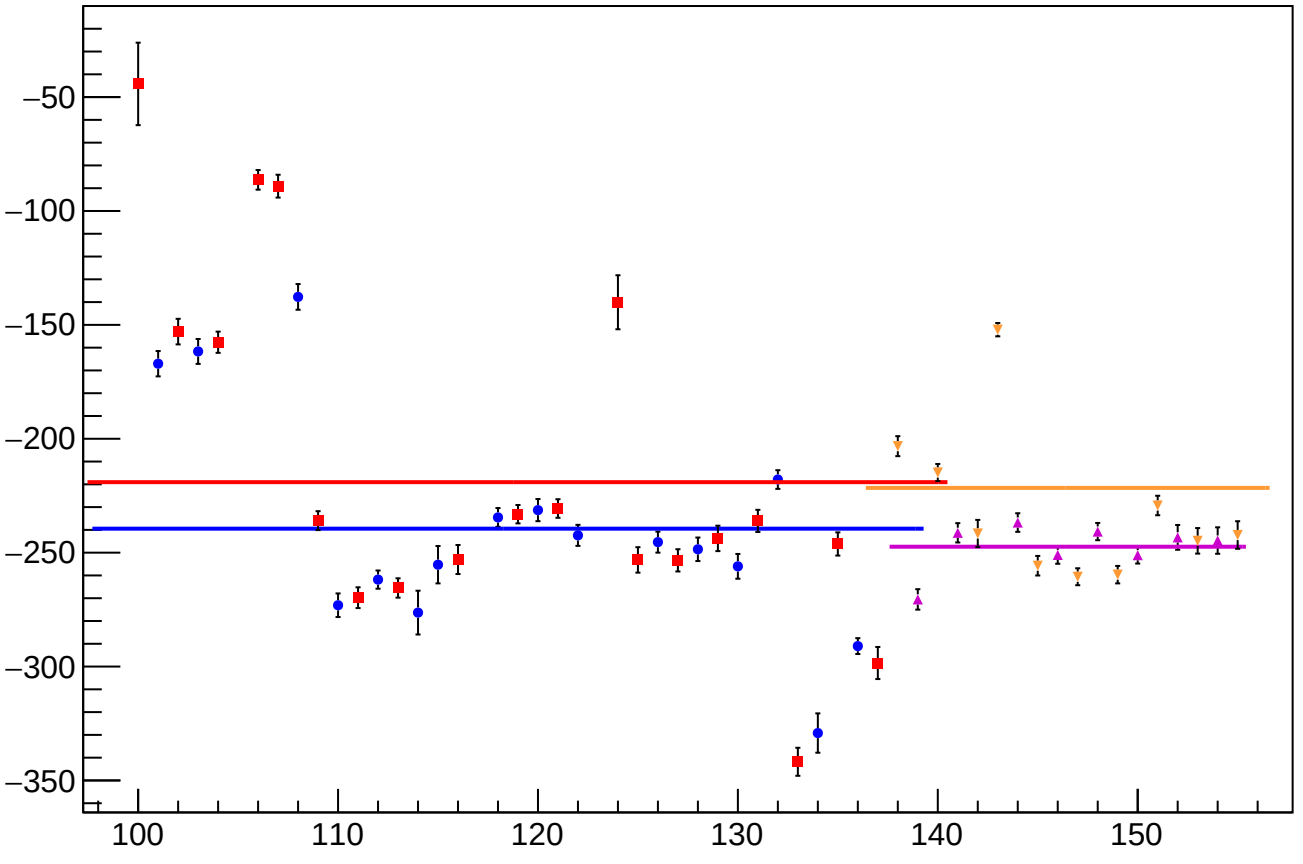
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -8.332+/-1.010 χ^2/NDF:59.4/7

+ sign -1.531+/-0.690 χ^2/NDF: 405.3/25

All: -1.697+/-0.502 χ^2/NDF: 853.6/52

- sign -1.884+/-0.732 χ^2/NDF: 448.2/26



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -221.554+/-1.318 χ^2/NDF:900.8/9

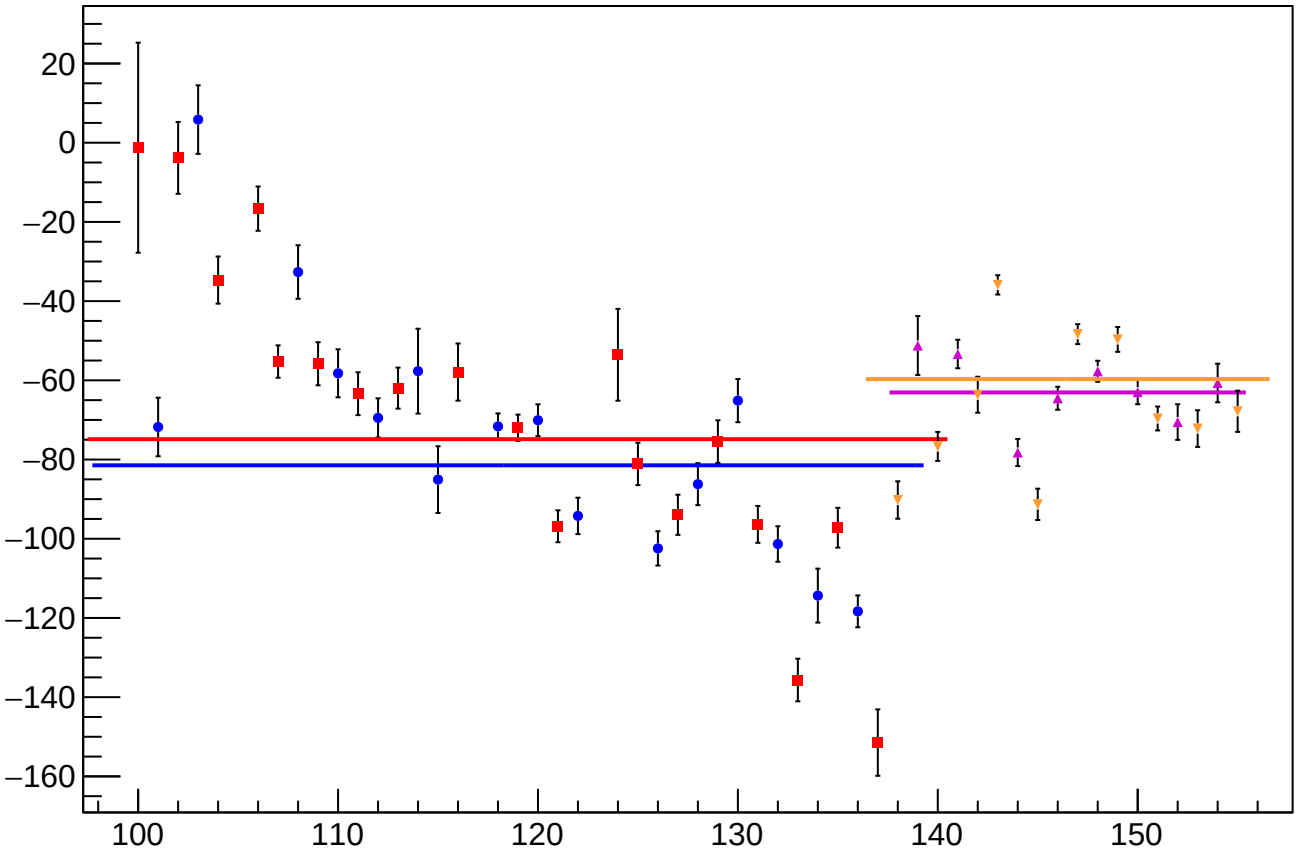
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.391+/-1.510 χ^2/NDF:41.1/7

+ sign -231.017+/-0.905 χ^2/NDF: 2160.7/25

All: -230.403+/-0.648 χ^2/NDF: 5471.2/52

- sign -229.757+/-0.928 χ^2/NDF: 3309.6/26



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.688+/-1.083 χ^2/NDF:274.4/9

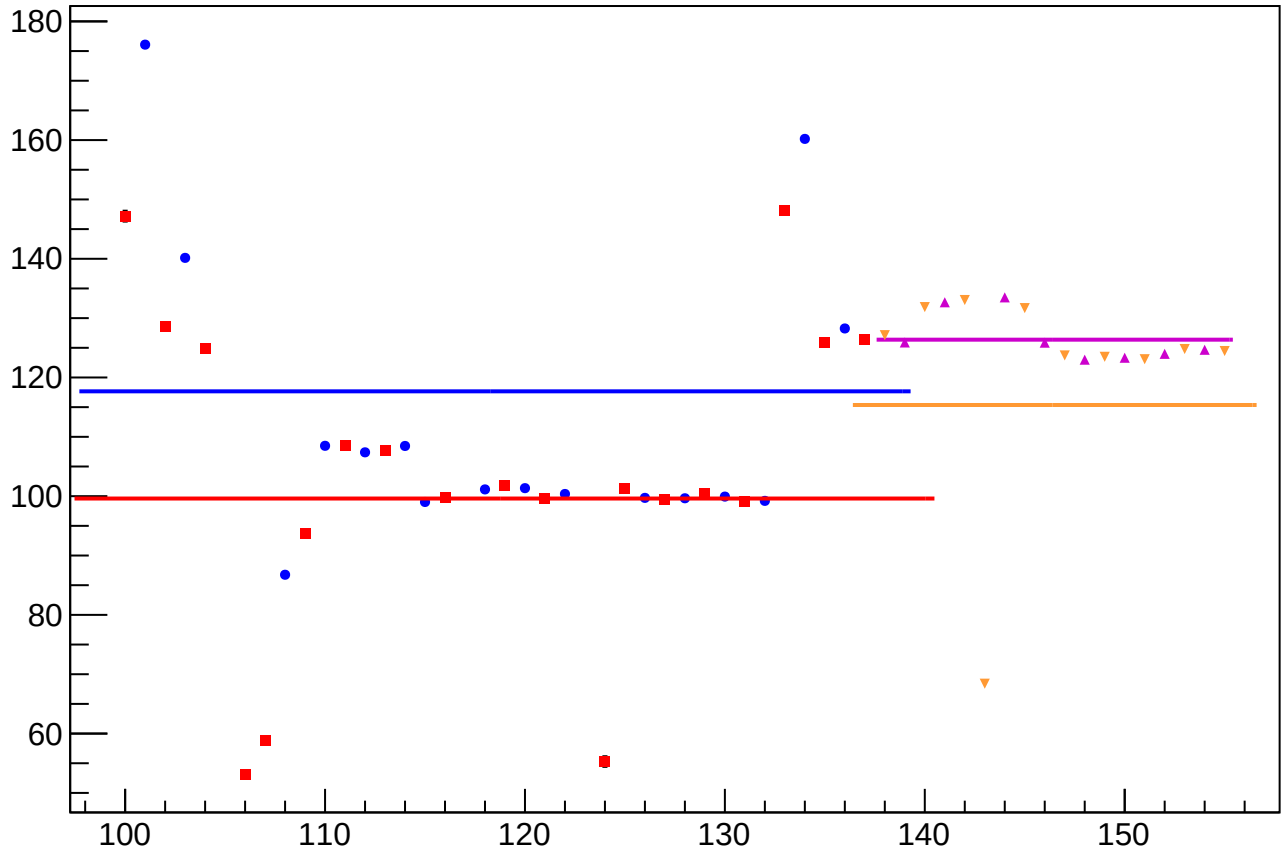
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.057+/-1.249 χ^2/NDF:36.7/7

+ sign -68.712+/-0.828 χ^2/NDF: 808.6/25

All: -68.871+/-0.602 χ^2/NDF: 1467.3/52

- sign -69.050+/-0.876 χ^2/NDF: 658.7/26



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.364+/-0.054 χ^2/NDF:189093.5/9

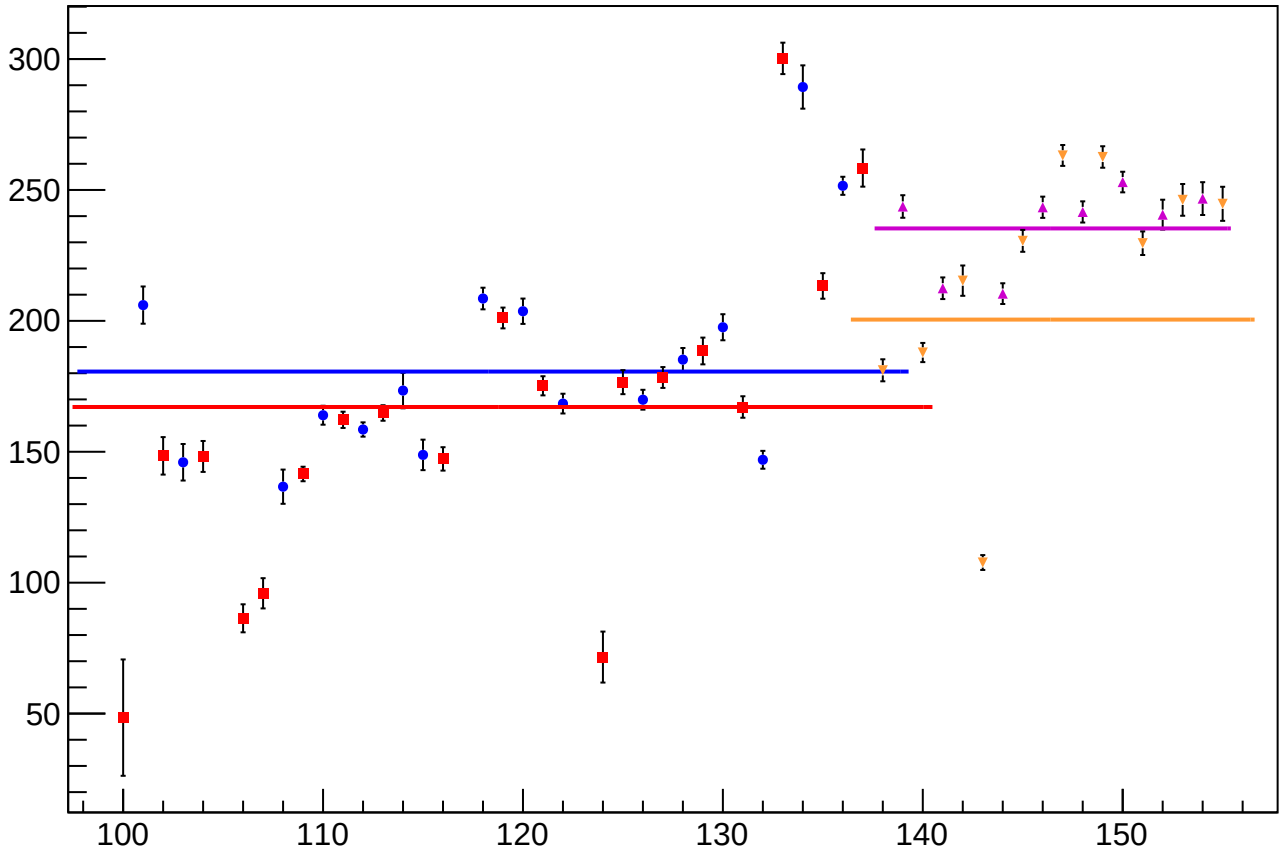
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.370+/-0.060 χ^2/NDF:3982.5/7

+ sign 116.101+/-0.044 χ^2/NDF: 285079.3/25

All: 115.605+/-0.032 χ^2/NDF: 539351.5/52

- sign 115.078+/-0.046 χ^2/NDF: 254013.5/26



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 200.487+/-1.331 χ^2/NDF:1778.5/9

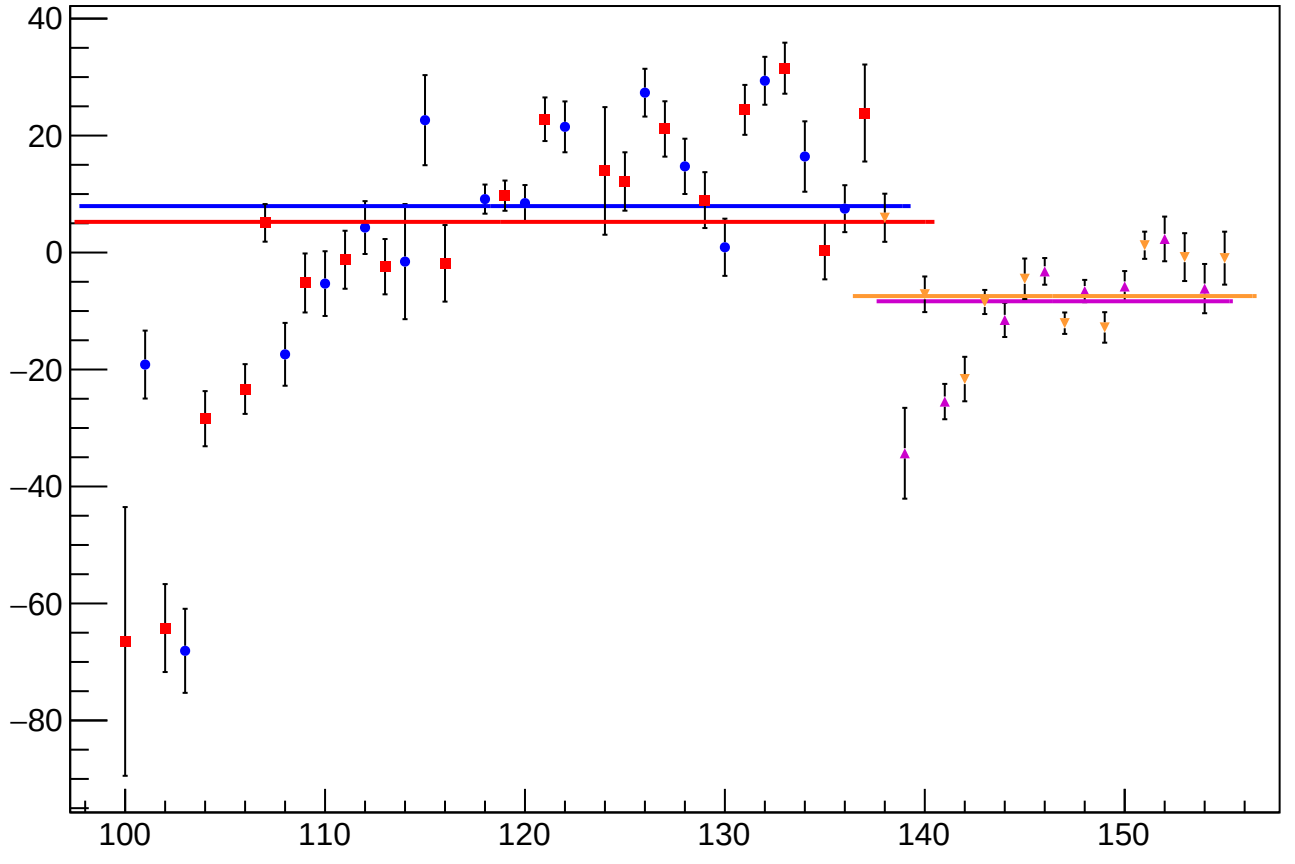
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.304+/-1.546 χ^2/NDF:104.7/7

+ sign 188.599+/-0.843 χ^2/NDF: 2905.1/25

All: 188.212+/-0.599 χ^2/NDF: 5850.6/52

- sign 187.818+/-0.852 χ^2/NDF: 2945.1/26



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.441+/-0.879 χ^2/NDF:54.8/9

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

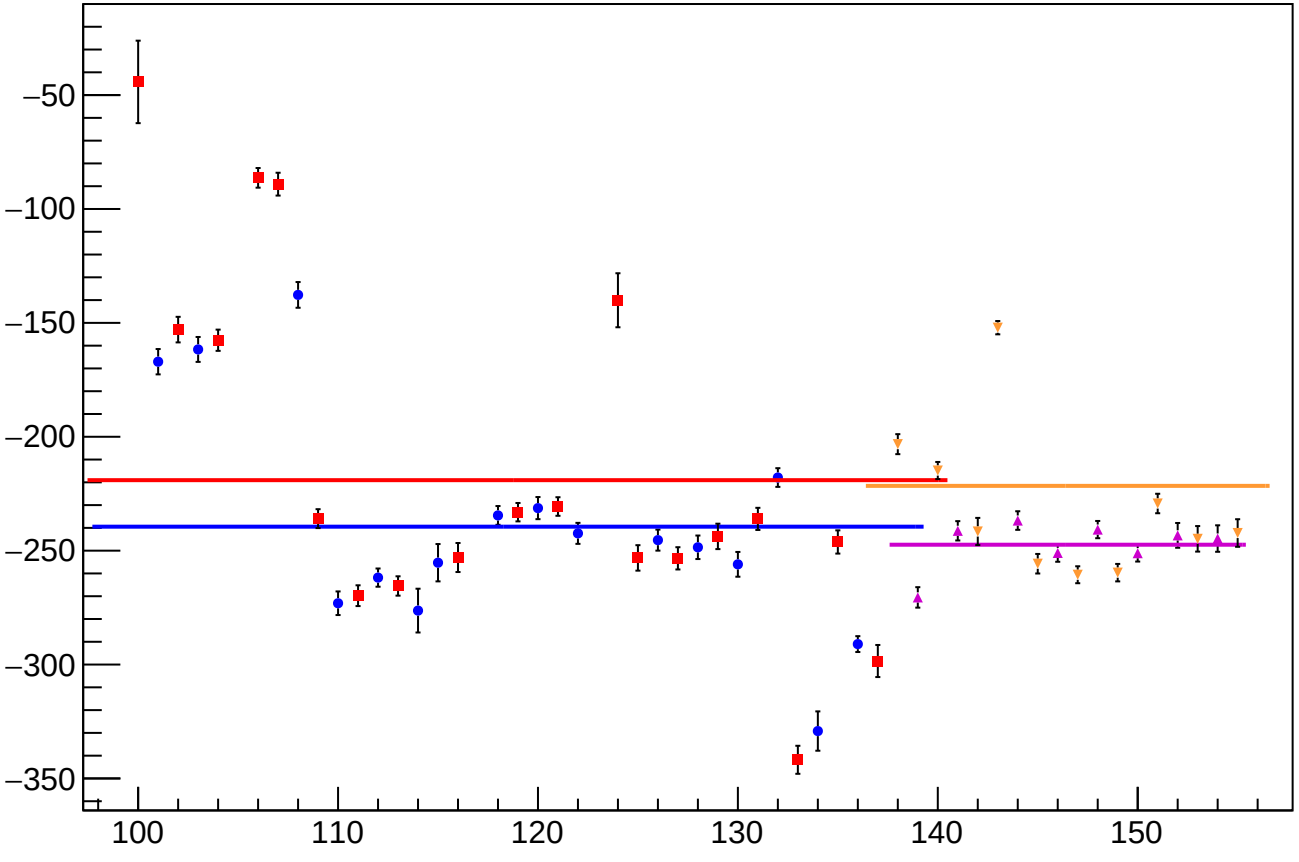
Left In: -8.332+/-1.010 χ^2/NDF:59.4/7

+ sign -1.531+/-0.690 χ^2/NDF: 405.3/25

All: -1.697+/-0.502 χ^2/NDF: 853.6/52

- sign -1.884+/-0.732 χ^2/NDF: 448.2/26

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -221.554+/-1.318 χ^2/NDF:900.8/9

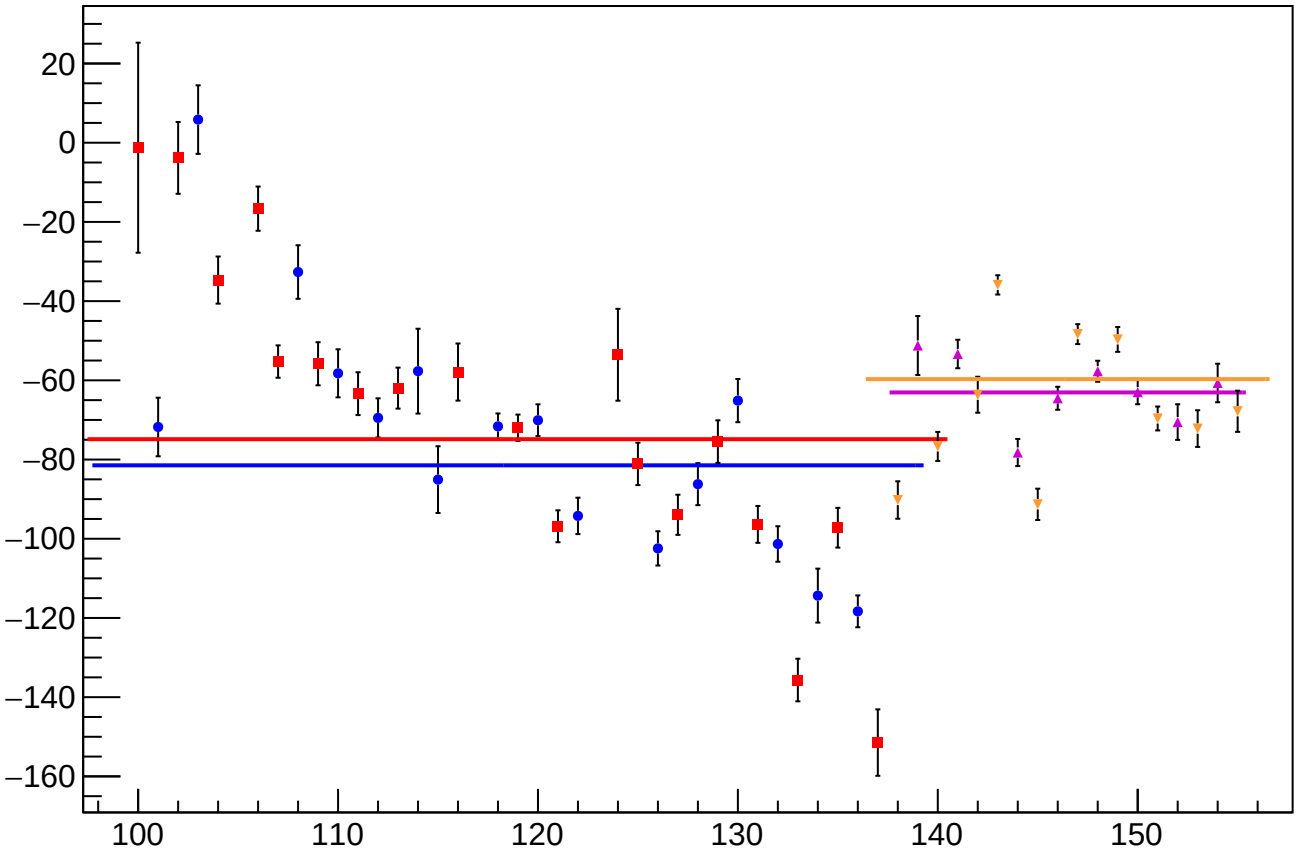
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.391+/-1.510 χ^2/NDF:41.1/7

+ sign -231.017+/-0.905 χ^2/NDF: 2160.7/25

All: -230.403+/-0.648 χ^2/NDF: 5471.2/52

- sign -229.757+/-0.928 χ^2/NDF: 3309.6/26



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.688+/-1.083 χ^2/NDF:274.4/9

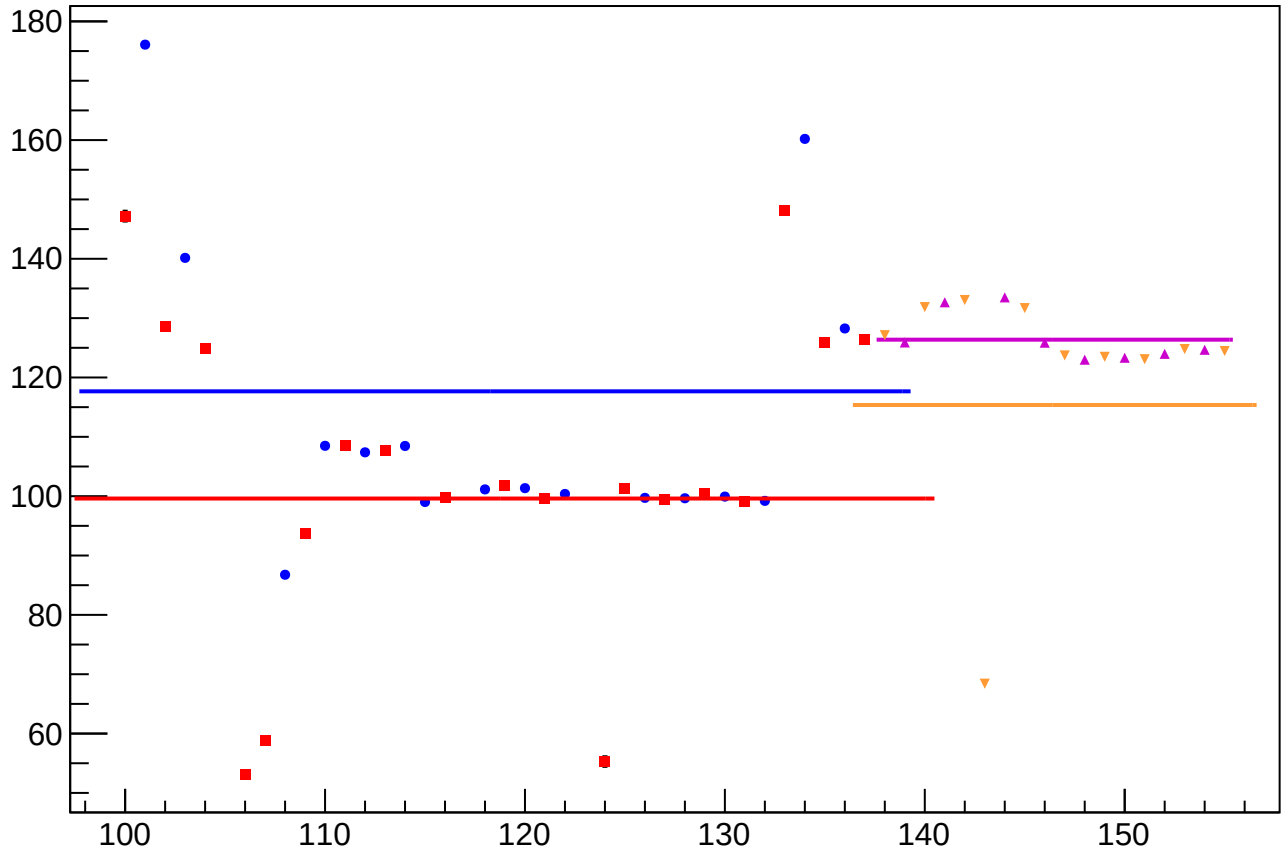
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.057+/-1.249 χ^2/NDF:36.7/7

+ sign -68.712+/-0.828 χ^2/NDF: 808.6/25

All: -68.871+/-0.602 χ^2/NDF: 1467.3/52

- sign -69.050+/-0.876 χ^2/NDF: 658.7/26



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.364+/-0.054 χ^2/NDF:189093.5/9

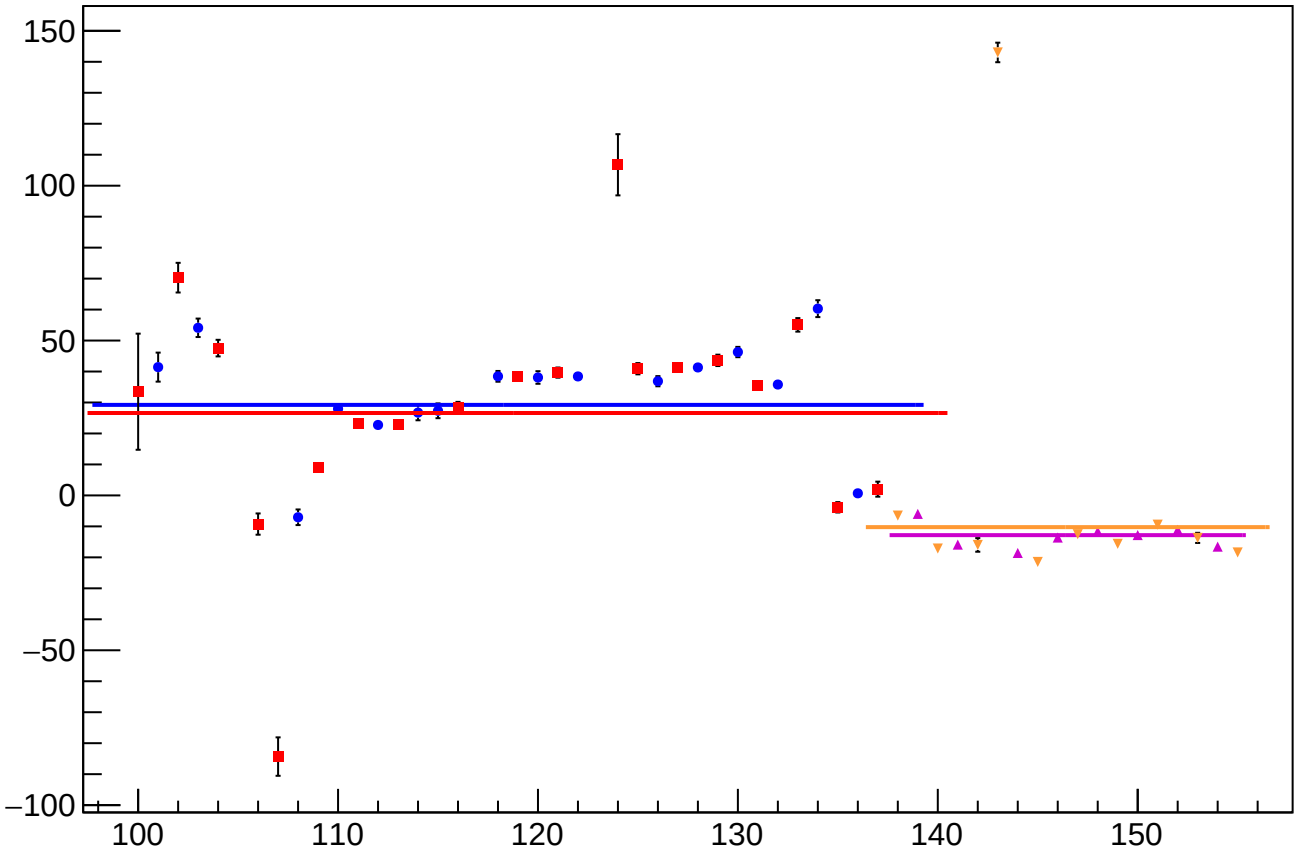
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.370+/-0.060 χ^2/NDF:3982.5/7

+ sign 116.101+/-0.044 χ^2/NDF: 285079.3/25

All: 115.605+/-0.032 χ^2/NDF: 539351.5/52

- sign 115.078+/-0.046 χ^2/NDF: 254013.5/26



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -10.240+/-0.490 χ^2/NDF:2503.0/9

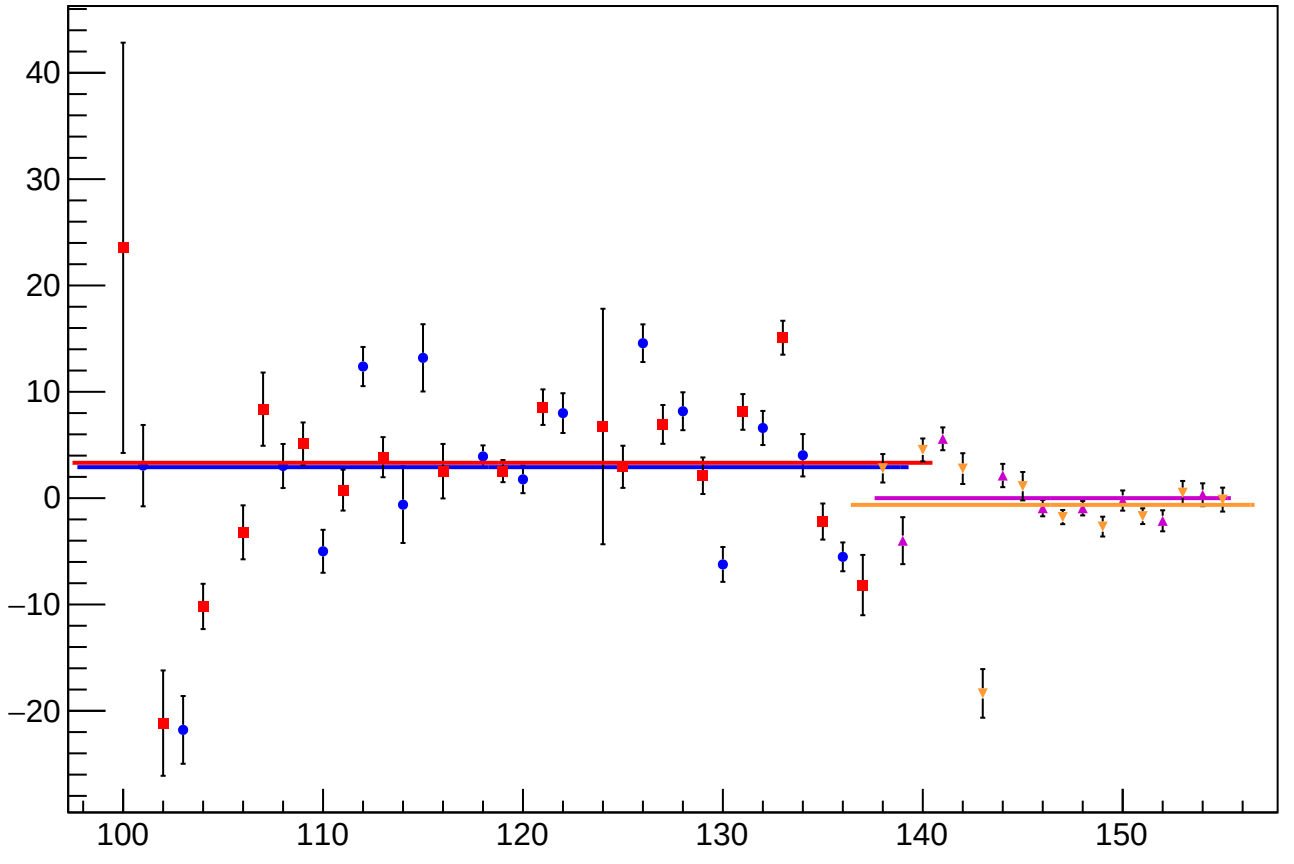
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.827+/-0.501 χ^2/NDF:58.7/7

\+ sign 12.307+/-0.321 χ^2/NDF: 7556.1/25

All: 11.460+/-0.226 χ^2/NDF: 13226.5/52

\- sign 10.620+/-0.319 χ^2/NDF: 5656.5/26



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.632+/-0.325 χ^2/NDF:108.0/9

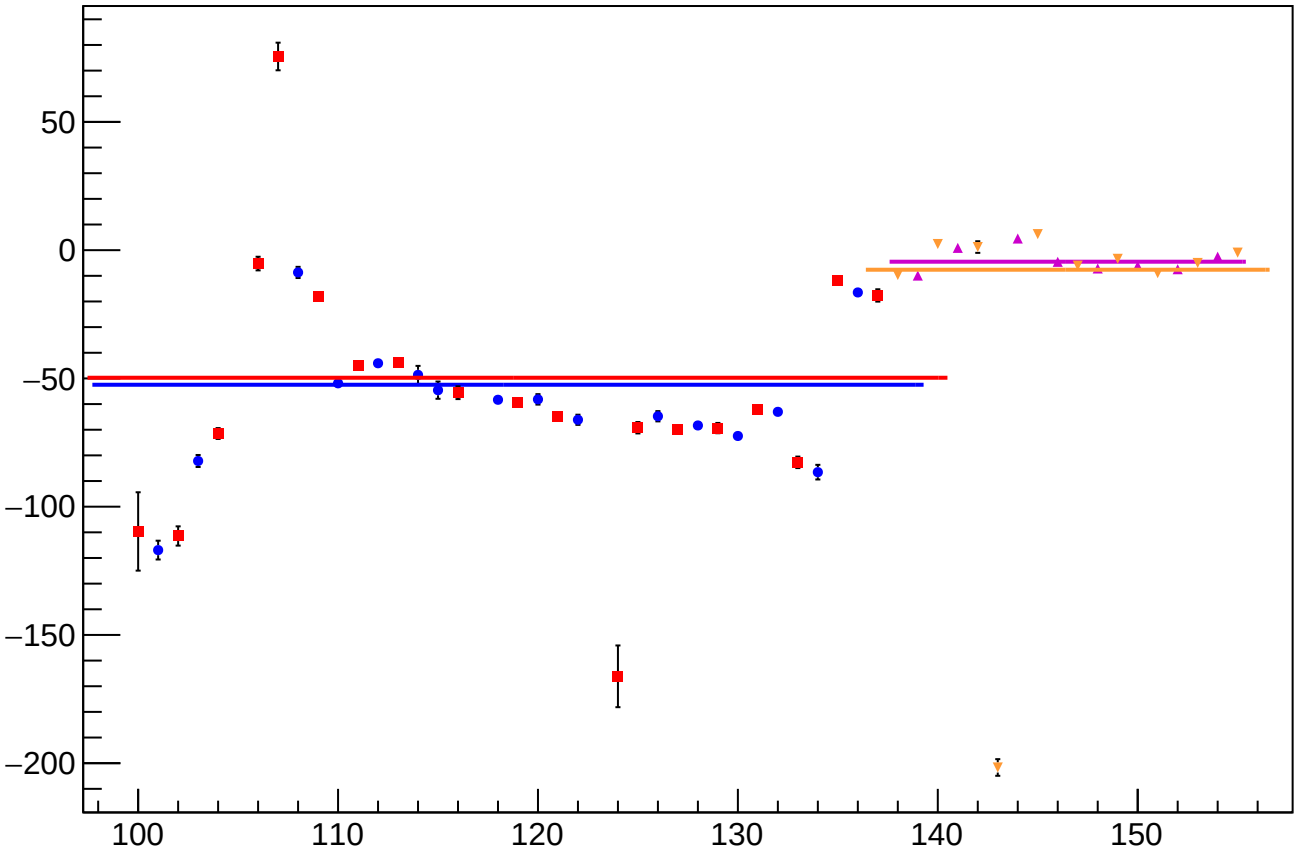
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.000+/-0.338 χ^2/NDF:42.3/7

+ sign 0.610+/-0.262 χ^2/NDF: 399.6/25

All: 0.888+/-0.188 χ^2/NDF: 660.6/52

- sign 1.187+/-0.271 χ^2/NDF: 258.6/26



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -7.626+/-0.479 χ^2/NDF:3764.1/9

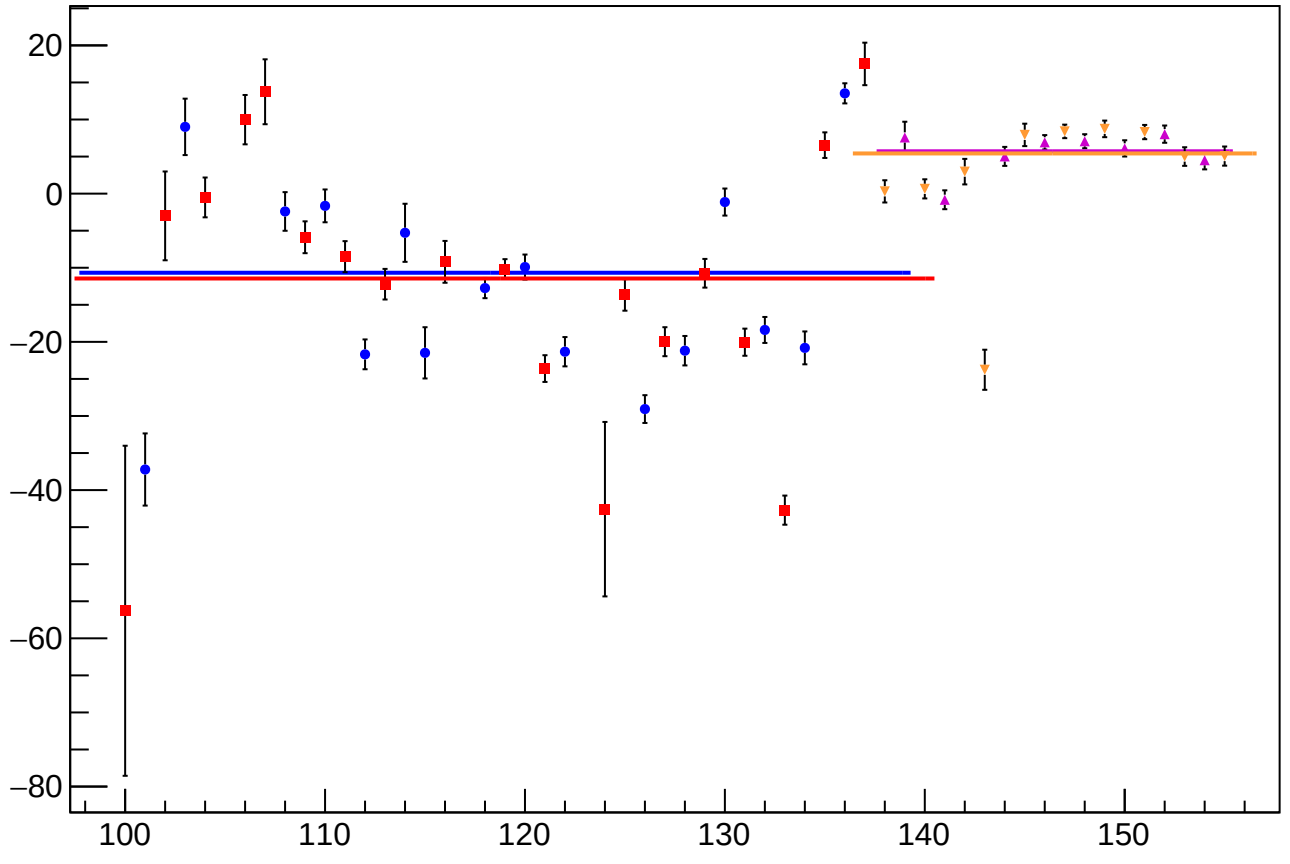
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.499+/-0.489 χ^2/NDF:77.6/7

+ sign -29.628+/-0.342 χ^2/NDF: 10398.7/25

All: -28.291+/-0.244 χ^2/NDF: 17747.7/52

- sign -26.907+/-0.348 χ^2/NDF: 7317.9/26



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.421+/-0.399 χ^2/NDF:175.1/9

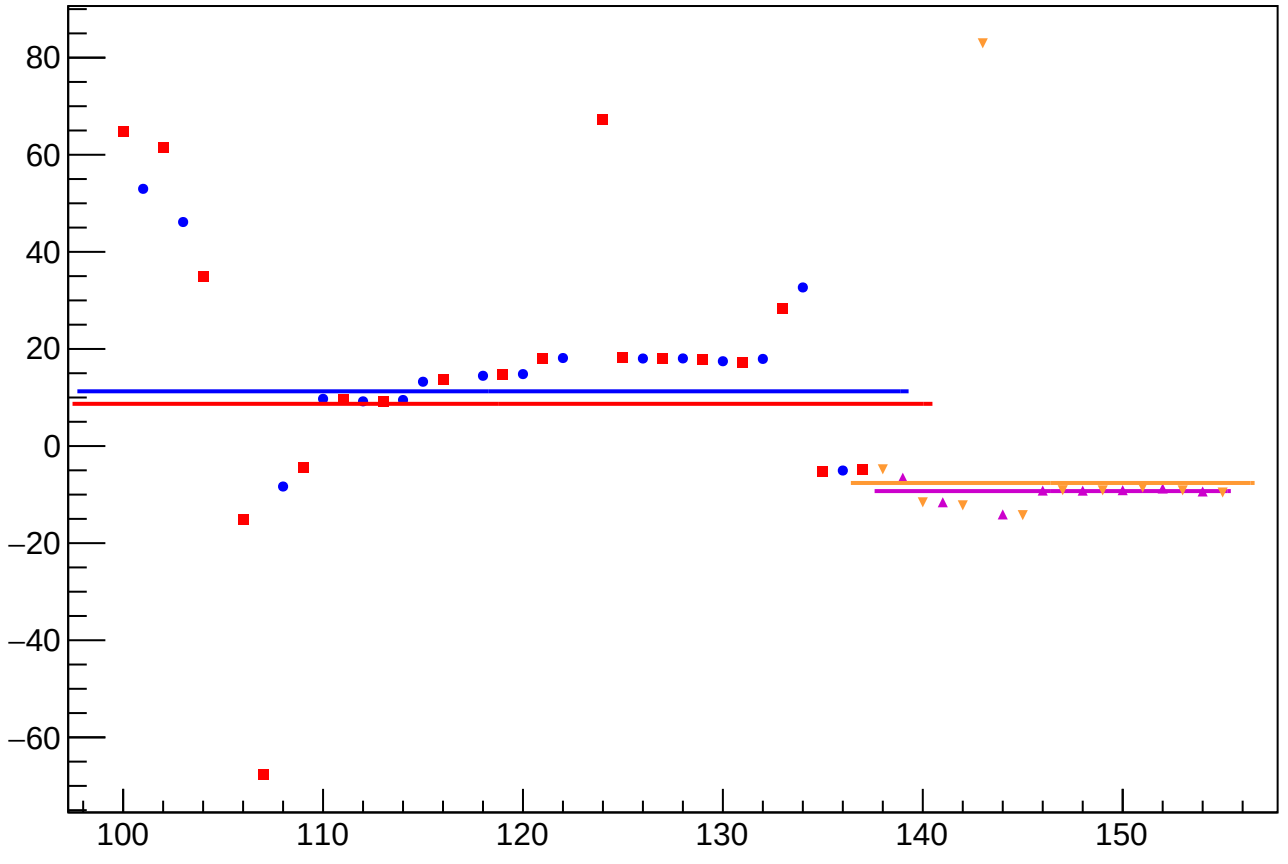
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.713+/-0.414 χ^2/NDF:36.1/7

\+ sign -0.767+/-0.313 χ^2/NDF: 1465.7/25

All: -0.884+/-0.225 χ^2/NDF: 2840.7/52

\- sign -1.008+/-0.323 χ^2/NDF: 1374.7/26



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.603+/-0.019 χ^2/NDF:474758.3/9

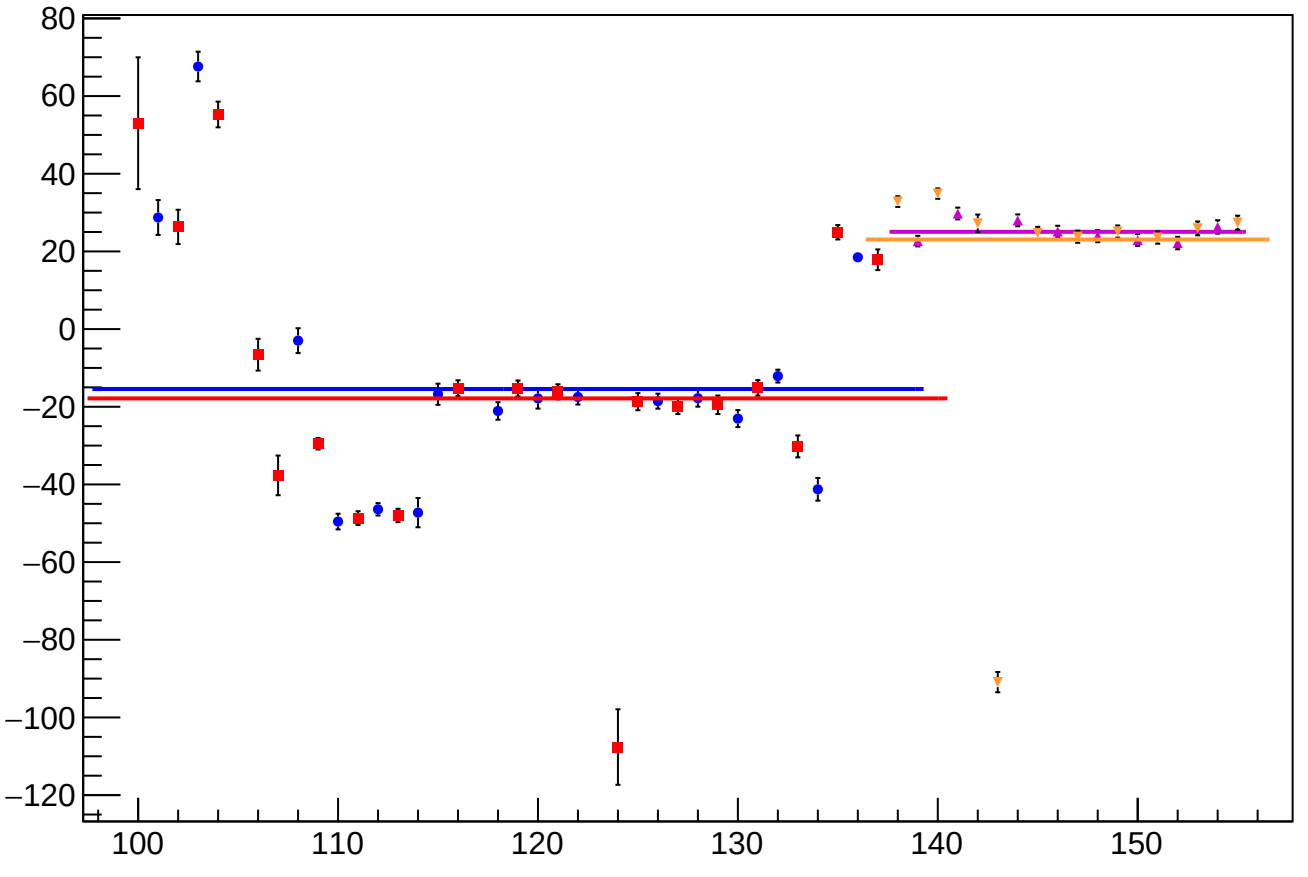
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.276+/-0.019 χ^2/NDF:10203.3/7

+ sign -2.243+/-0.016 χ^2/NDF: 1109195.2/25

All: -3.331+/-0.011 χ^2/NDF: 1804666.2/52

- sign -4.463+/-0.016 χ^2/NDF: 685967.2/26



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.060+/-0.524 χ^2/NDF:2045.7/9

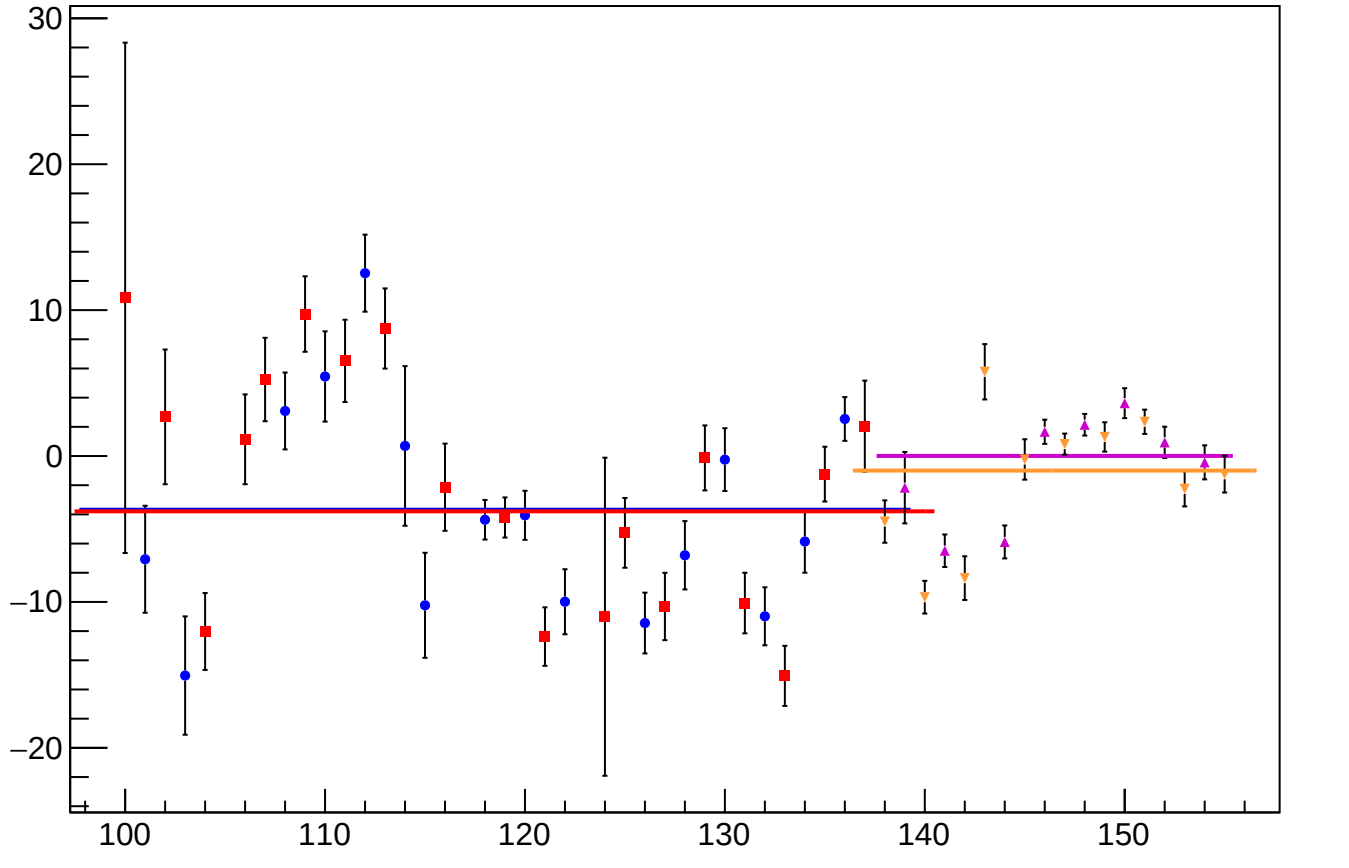
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.046+/-0.540 χ^2/NDF:22.7/7

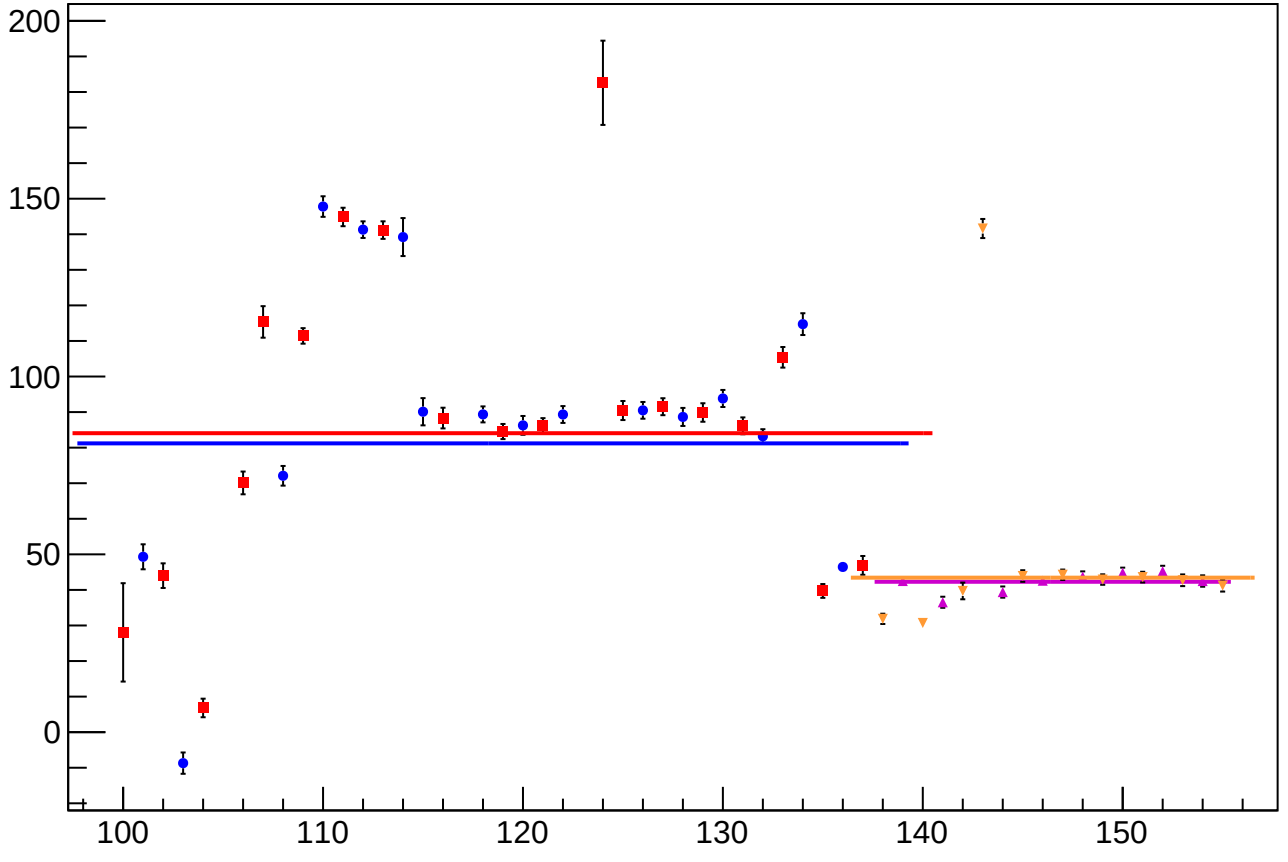
+ sign 4.355+/-0.376 χ^2/NDF: 6792.3/25

All: 3.776+/-0.267 χ^2/NDF: 12161.9/52

- sign 3.189+/-0.378 χ^2/NDF: 5364.8/26


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -0.996+/-0.349 χ²/NDF:131.8/9
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: 0.008+/-0.363 χ²/NDF:87.6/7
+ sign -1.764+/-0.295 χ²/NDF: 272.7/25
All: -1.446+/-0.212 χ²/NDF: 556.0/52
- sign -1.106+/-0.305 χ²/NDF: 280.9/26

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.445+/-0.513 χ^2/NDF:1489.6/9

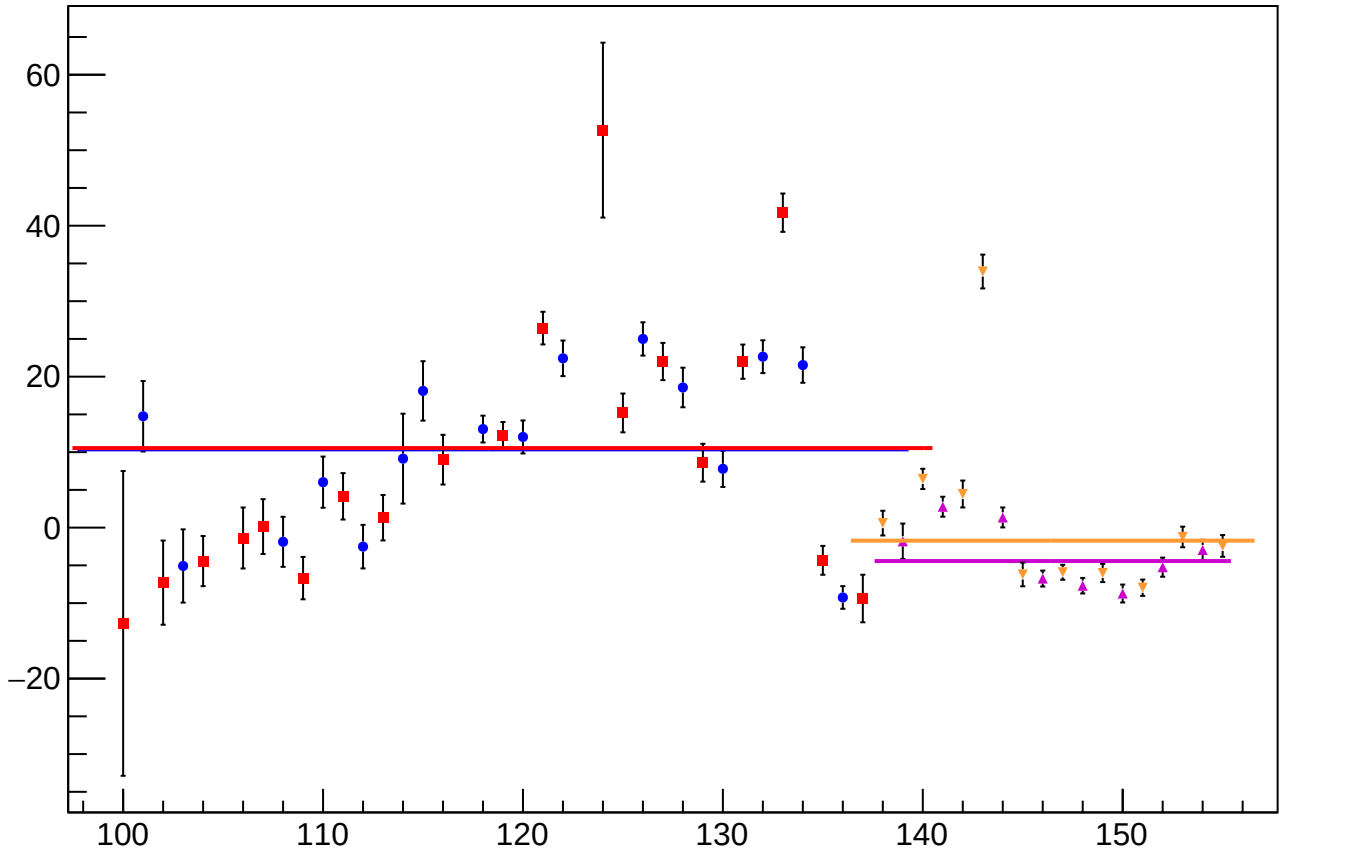
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.289+/-0.527 χ^2/NDF:25.2/7

+ sign 59.189+/-0.392 χ^2/NDF: 6975.7/25

All: 59.559+/-0.280 χ^2/NDF: 12862.2/52

- sign 59.946+/-0.401 χ^2/NDF: 5884.7/26



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.728+/-0.429 χ^2/NDF:376.7/9

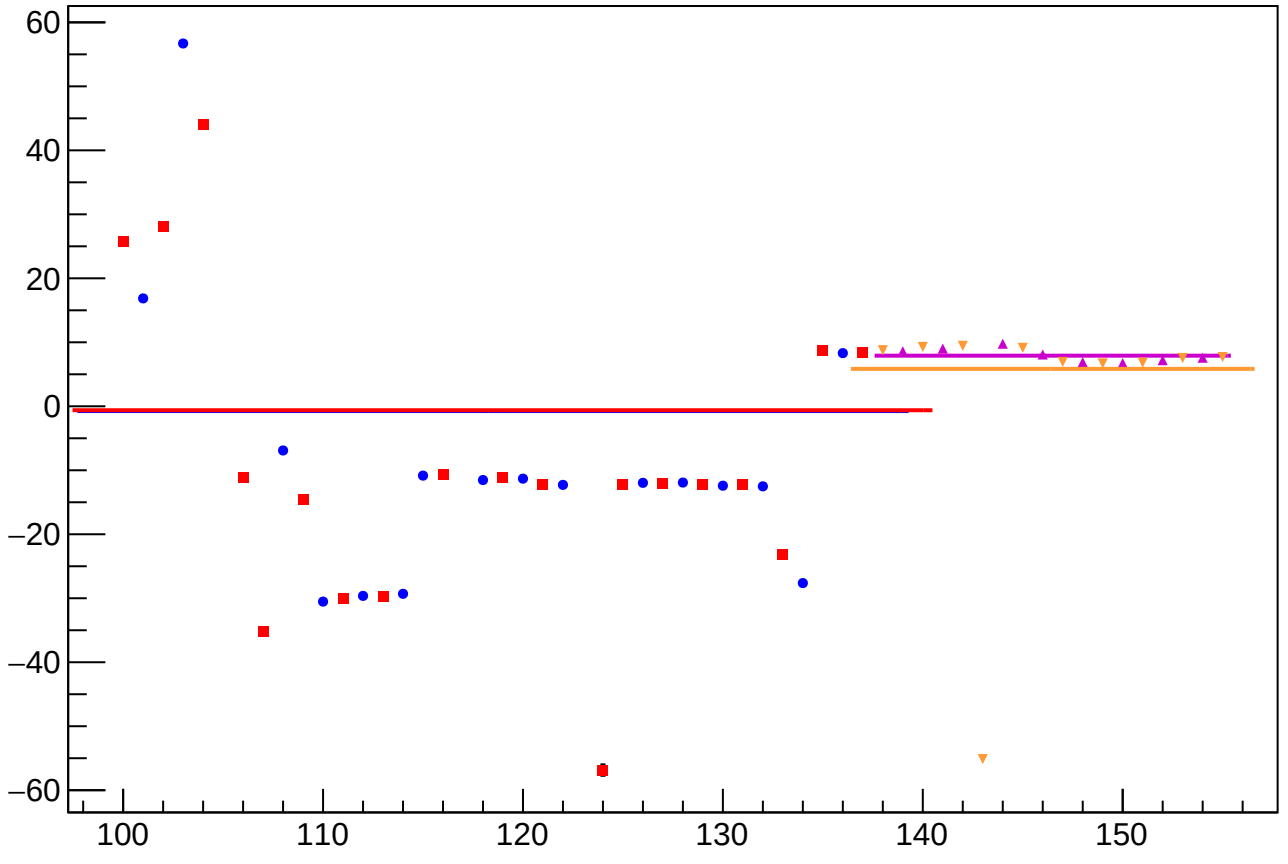
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.430+/-0.445 χ^2/NDF:79.6/7

+ sign 2.133+/-0.354 χ^2/NDF: 990.2/25

All: 1.315+/-0.254 χ^2/NDF: 1920.1/52

- sign 0.444+/-0.365 χ^2/NDF: 919.0/26



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.850+/-0.020 χ^2/NDF:310314.9/9

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

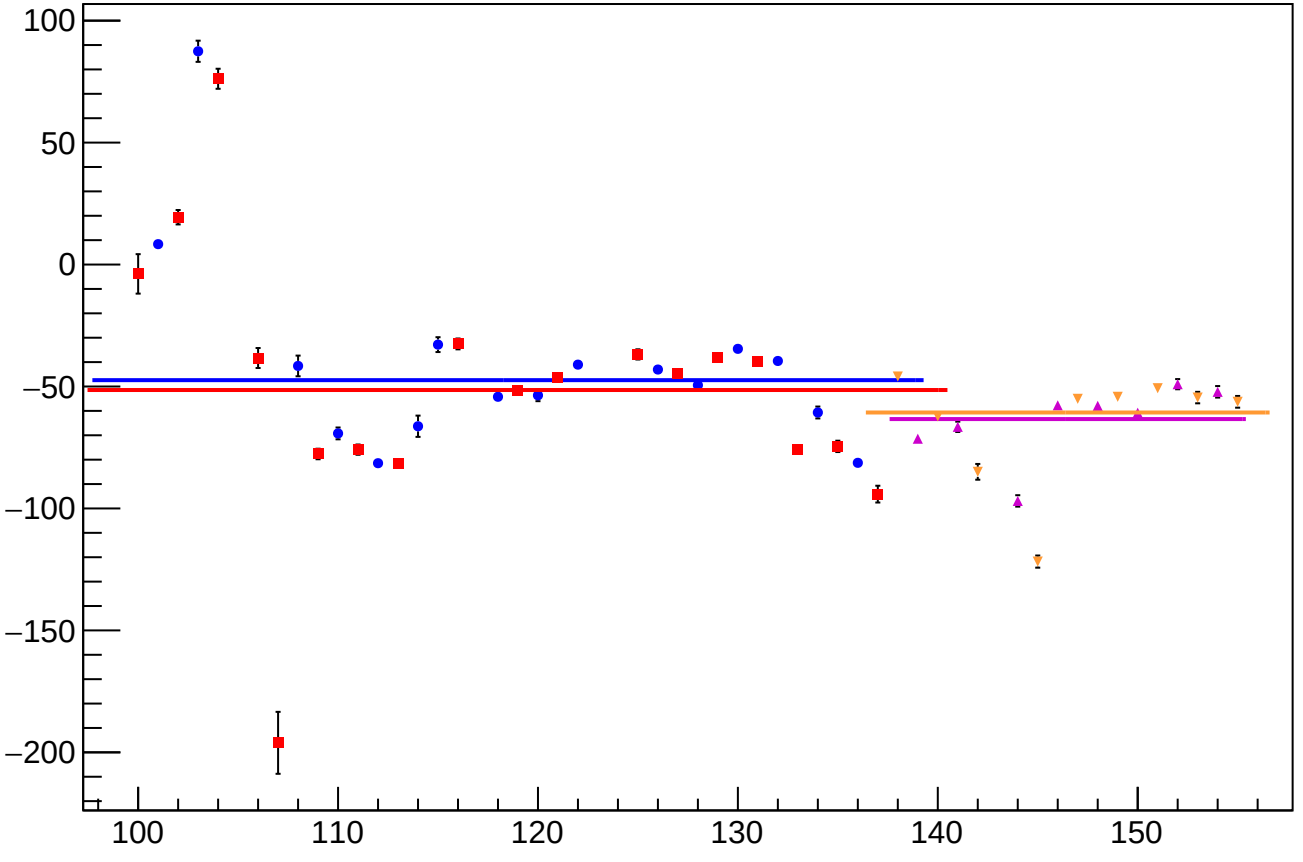
Left In: 7.911+/-0.021 χ^2/NDF:2091.0/7

+ sign 4.253+/-0.018 χ^2/NDF: 703911.5/25

All: 5.076+/-0.013 χ^2/NDF: 1067012.4/52

- sign 5.931+/-0.018 χ^2/NDF: 358666.3/26

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -60.657+/-0.699 χ^2/NDF:785.0/8

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

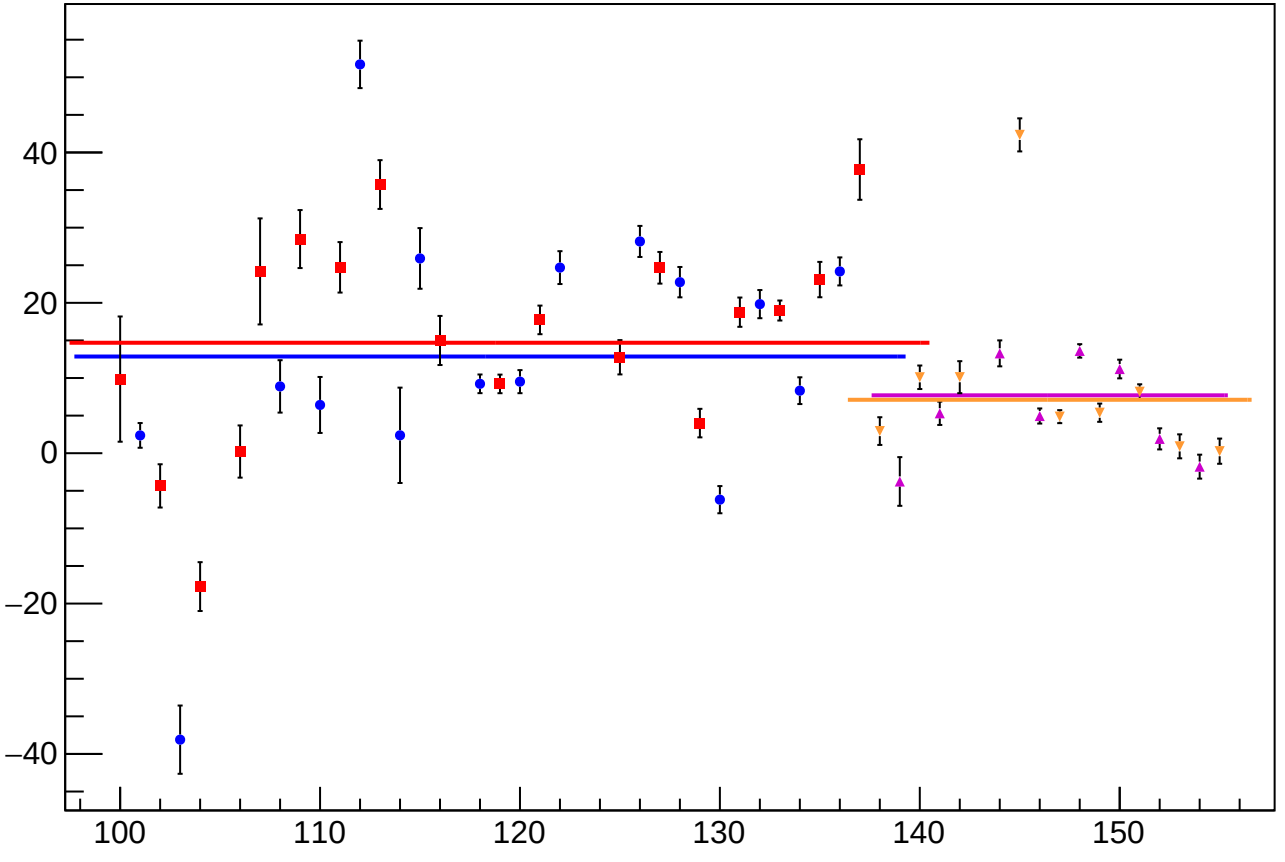
Left In: -63.353+/-0.707 χ^2/NDF:316.5/7

\+ sign -52.295+/-0.425 χ^2/NDF: 3780.7/24

All: -54.061+/-0.303 χ^2/NDF: 7183.0/50

\- sign -55.883+/-0.432 χ^2/NDF: 3367.2/25

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 7.105+/-0.451 χ^2/NDF:309.0/8

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

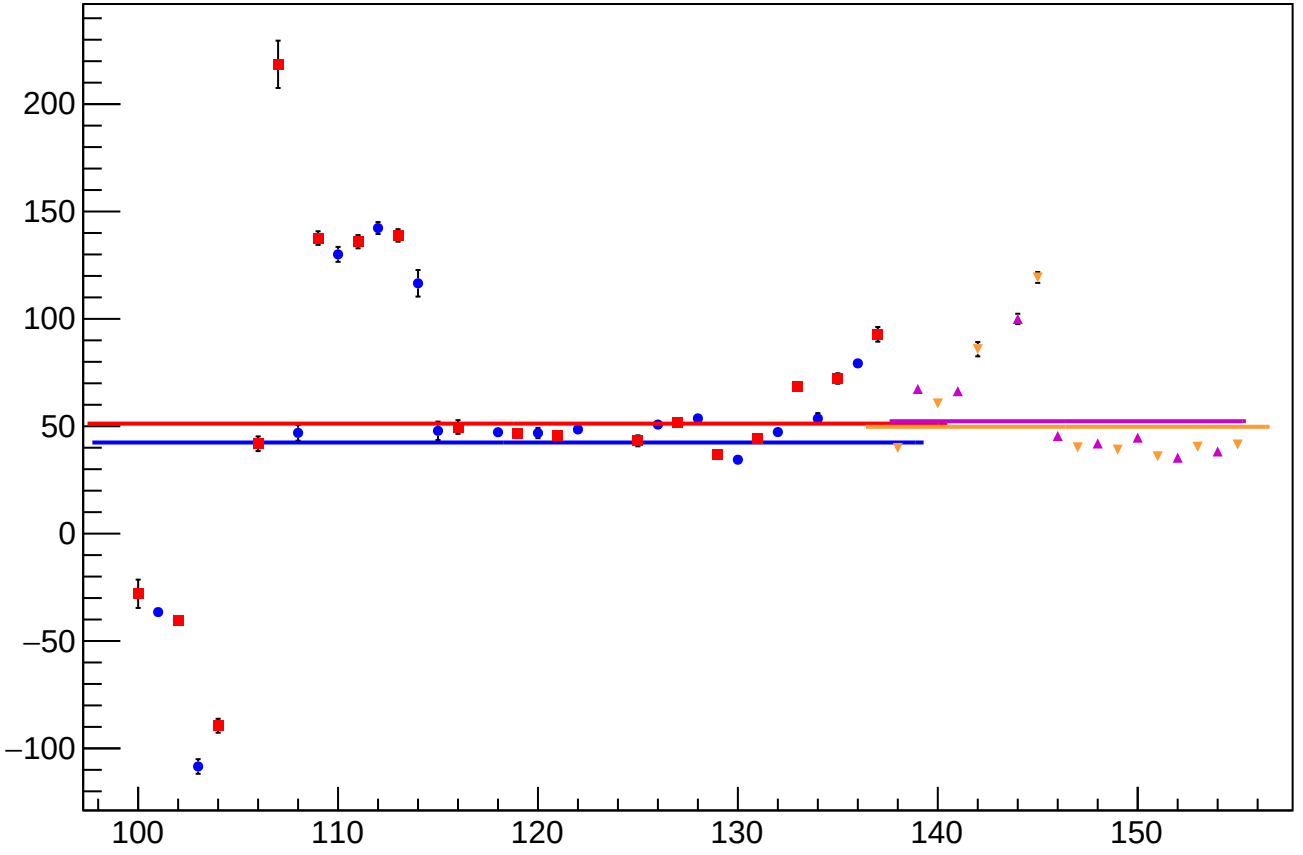
Left In: 7.699+/-0.465 χ^2/NDF:136.7/7

+ sign 9.584+/-0.340 χ^2/NDF: 1004.5/24

All: 10.095+/-0.245 χ^2/NDF: 1605.5/50

- sign 10.646+/-0.353 χ^2/NDF: 596.3/25

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 49.759+/-0.680 χ^2/NDF:1094.7/8

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

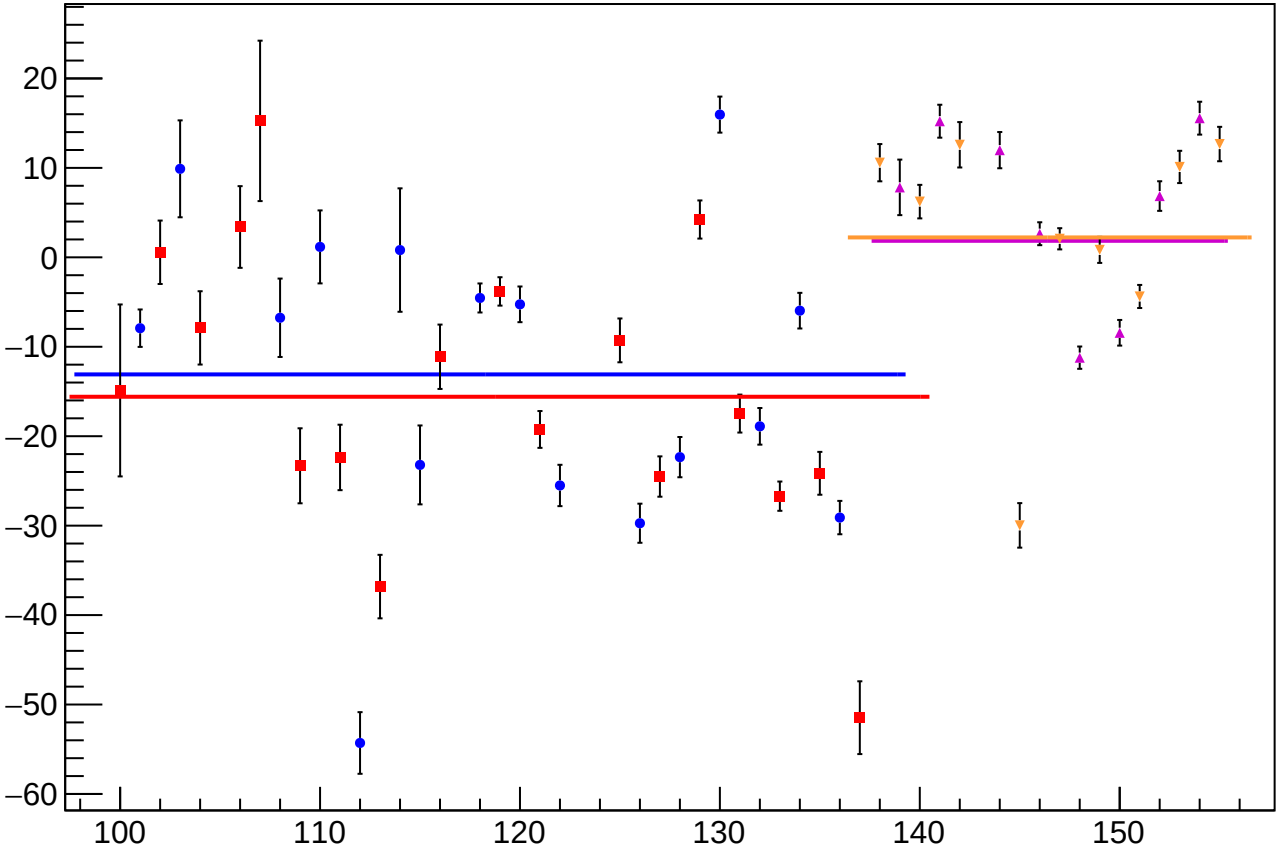
Left In: 52.354+/-0.687 χ^2/NDF:678.6/7

\+ sign 45.546+/-0.443 χ^2/NDF: 8330.2/24

All: 48.533+/-0.319 χ^2/NDF: 15715.6/50

\- sign 51.727+/-0.458 χ^2/NDF: 7291.4/25

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.225+/-0.560 χ^2/NDF:280.2/8

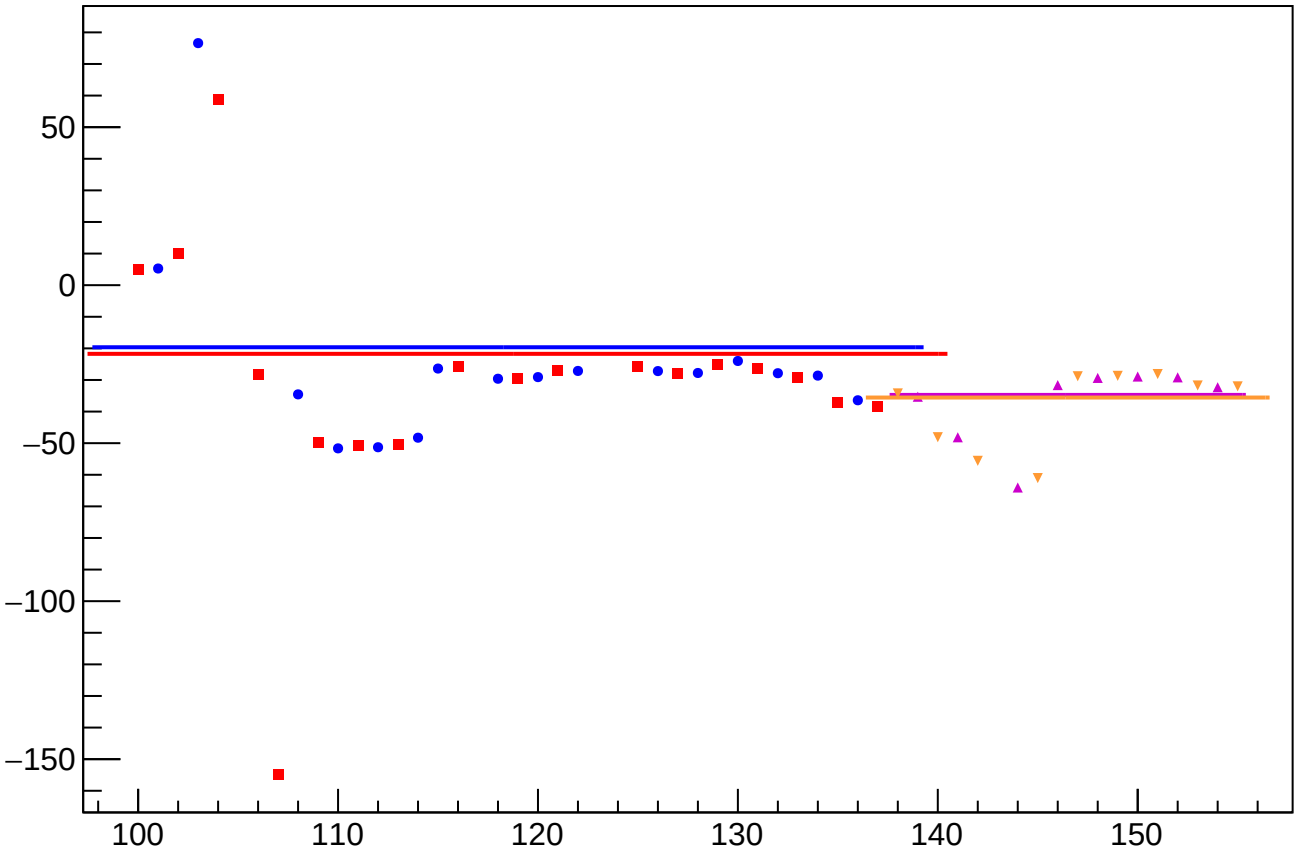
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.847+/-0.573 χ^2/NDF:307.8/7

\+ sign -4.906+/-0.409 χ^2/NDF: 1268.6/24

All: -5.480+/-0.294 χ^2/NDF: 2403.7/50

\- sign -6.095+/-0.423 χ^2/NDF: 1131.0/25



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -35.558+/-0.027 χ^2/NDF:140820.1/8

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

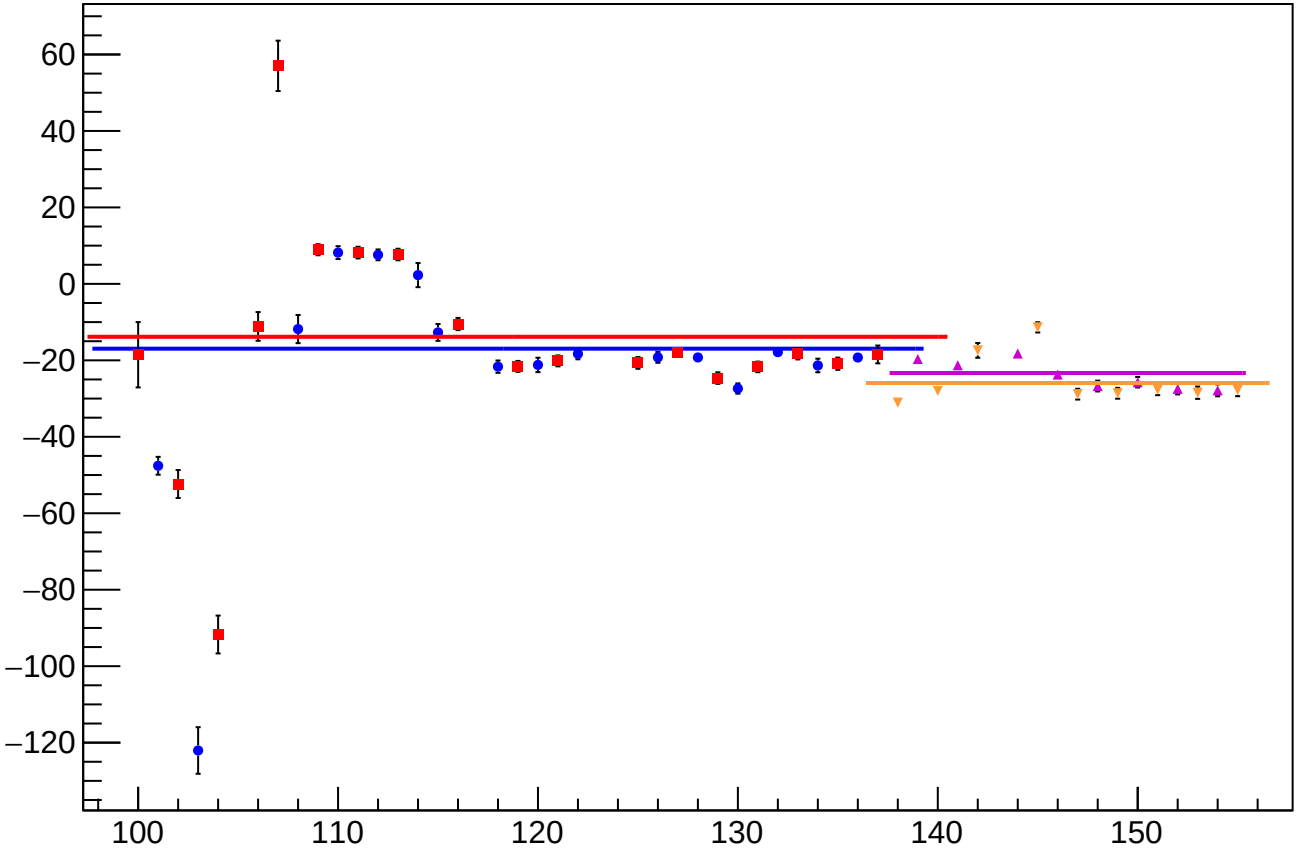
Left In: -34.728+/-0.027 χ^2/NDF:117492.8/7

\+ sign -29.863+/-0.022 χ^2/NDF: 912457.9/24

All: -30.197+/-0.015 χ^2/NDF: 1652871.4/50

\- sign -30.546+/-0.022 χ^2/NDF: 739924.3/25

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -25.930+/-0.469 χ^2/NDF:173.1/8

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

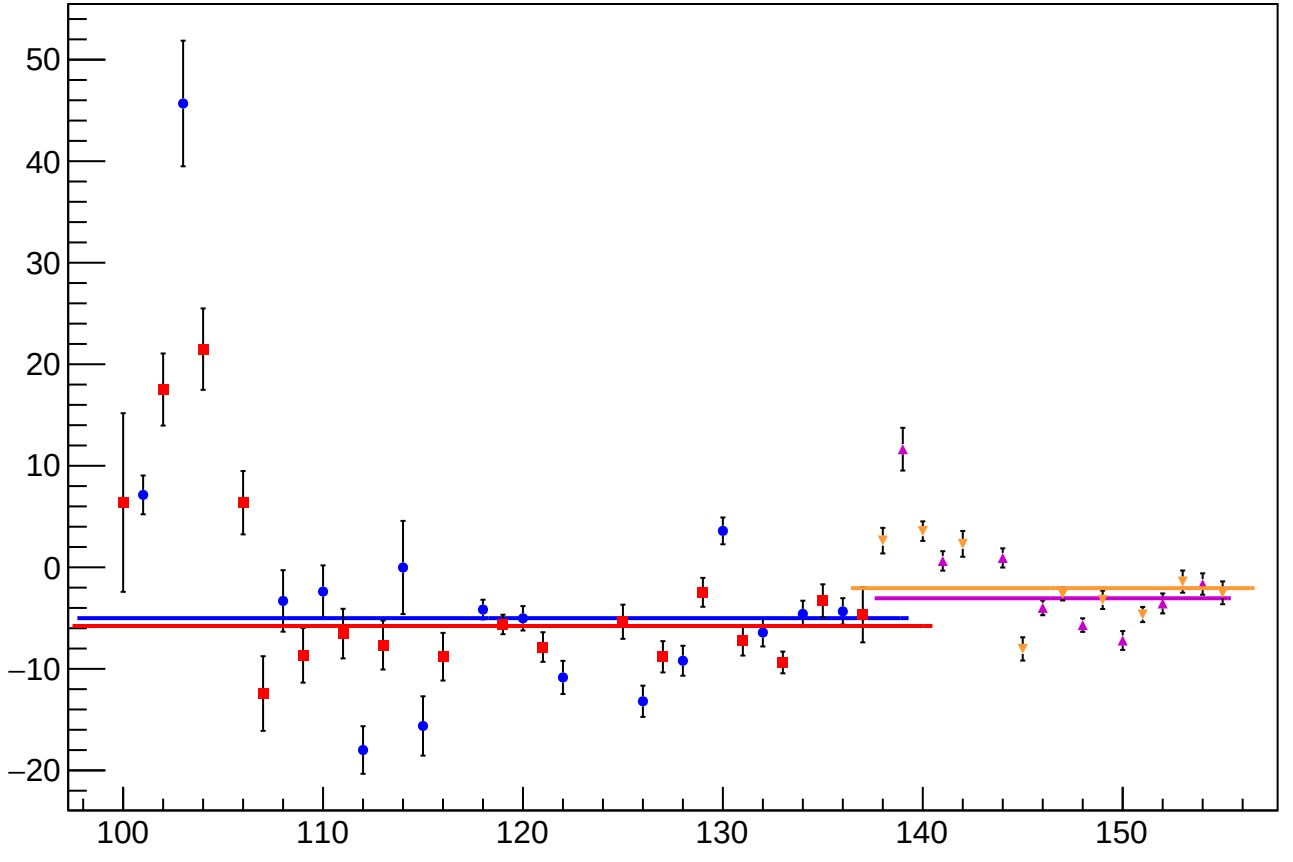
Left In: -23.314+/-0.474 χ^2/NDF:53.5/7

+ sign -20.770+/-0.306 χ^2/NDF: 1511.7/24

All: -19.344+/-0.218 χ^2/NDF: 3171.3/50

- sign -17.882+/-0.310 χ^2/NDF: 1615.7/25

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.050+/-0.315 χ^2/NDF:102.0/8

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

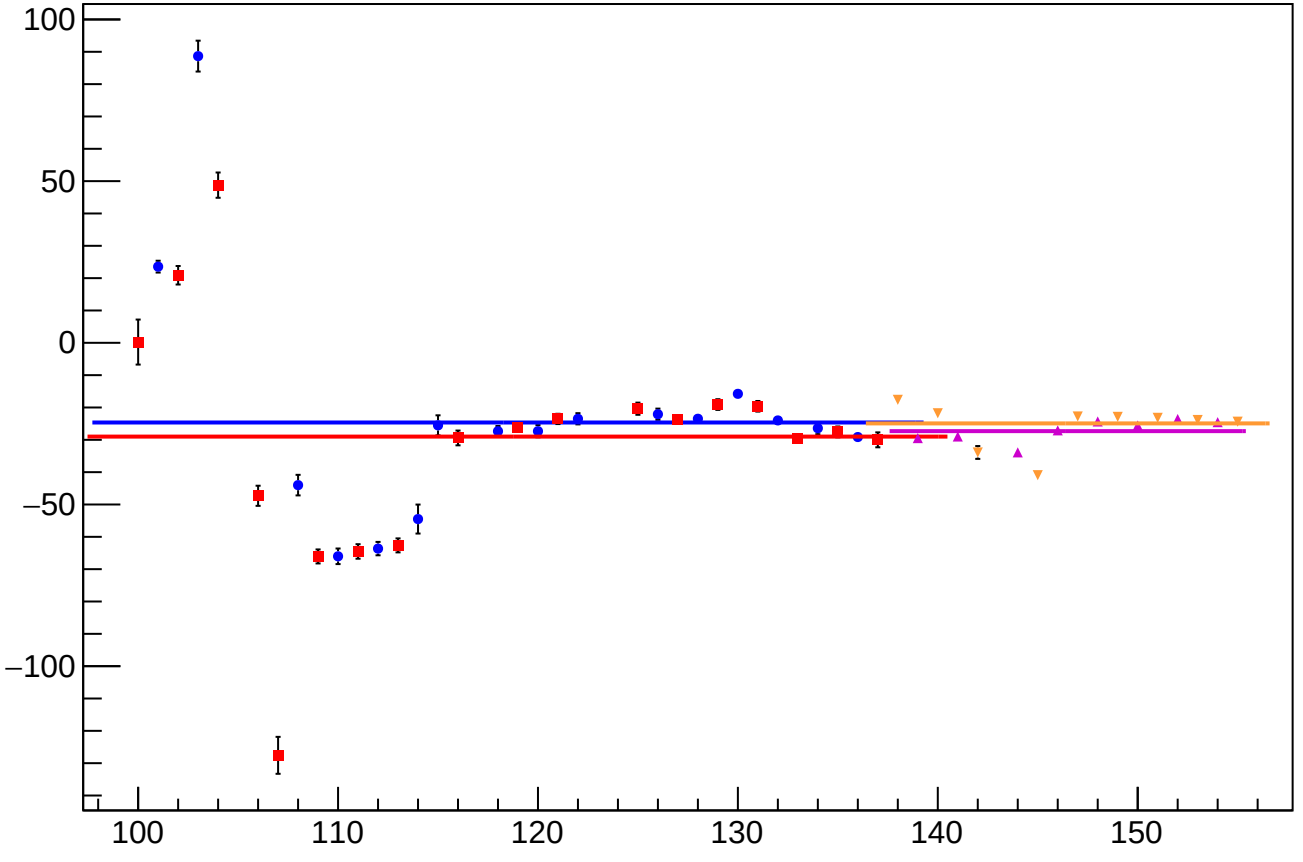
Left In: -3.047+/-0.322 χ^2/NDF:120.4/7

\+ sign -3.176+/-0.248 χ^2/NDF: 383.3/24

All: -3.605+/-0.178 χ^2/NDF: 675.9/50

\- sign -4.060+/-0.255 χ^2/NDF: 286.5/25

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -24.922+/-0.460 χ^2/NDF:206.9/8

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

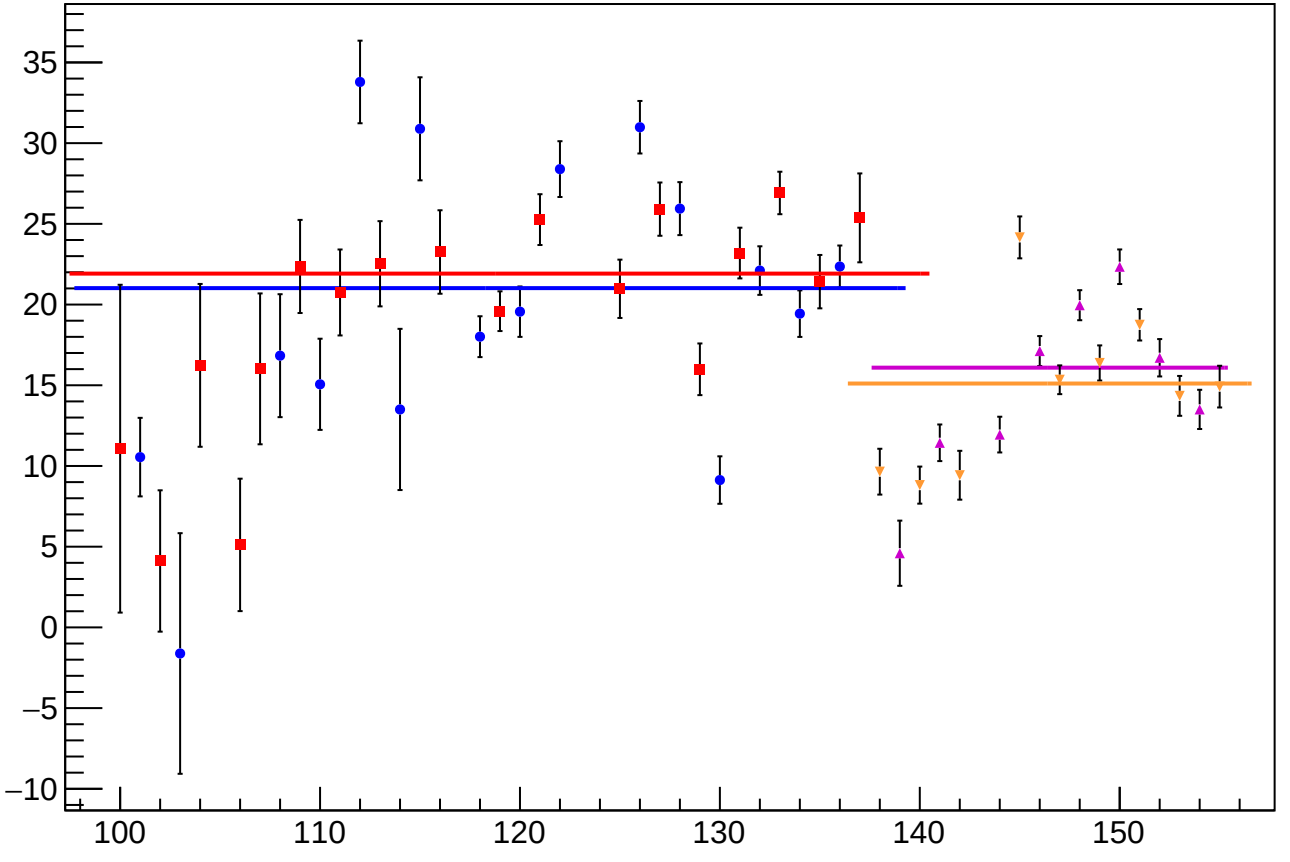
Left In: -27.313+/-0.464 χ^2/NDF:47.5/7

+ sign -24.780+/-0.323 χ^2/NDF: 2258.9/24

All: -26.415+/-0.232 χ^2/NDF: 4317.6/50

- sign -28.138+/-0.332 χ^2/NDF: 2006.2/25

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.108+/-0.386 χ^2/NDF:123.4/8

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

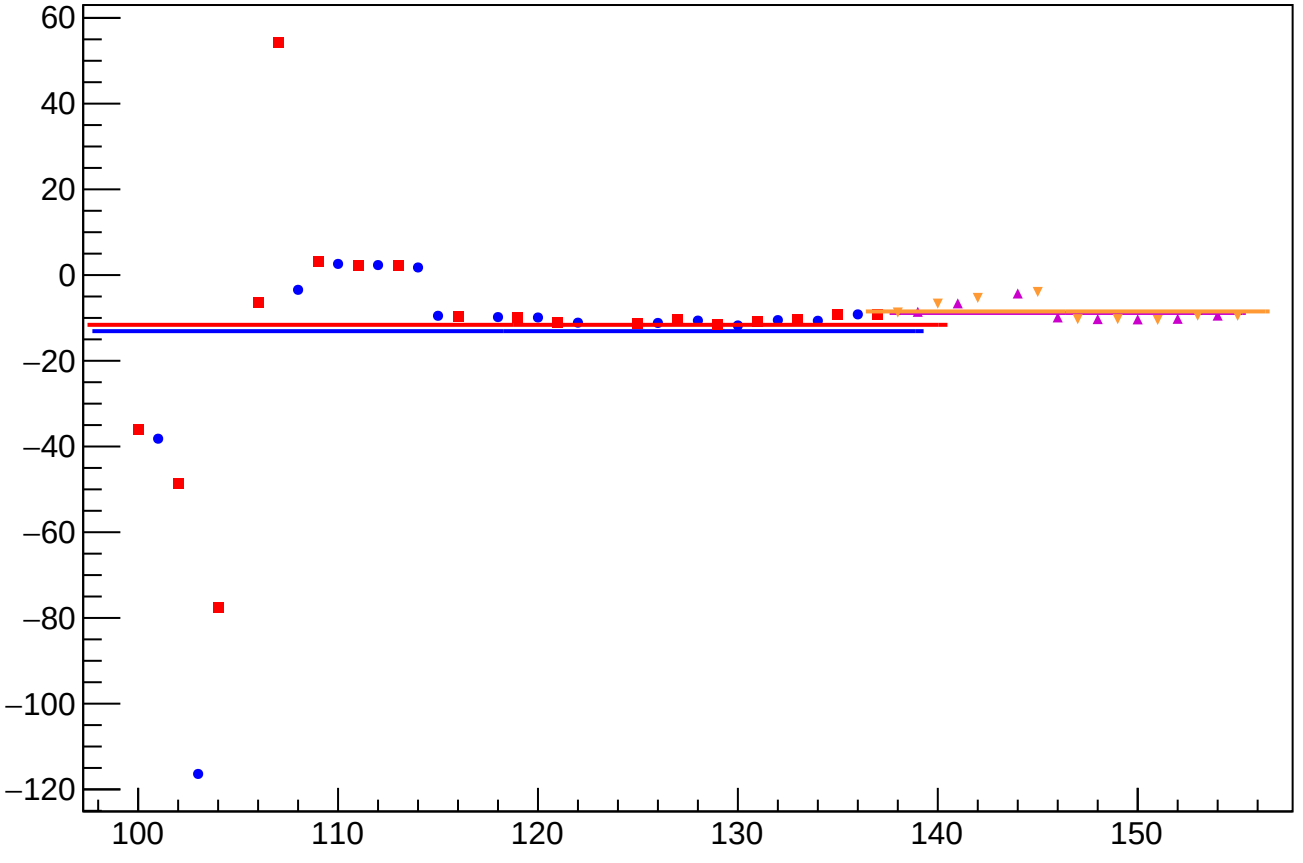
Left In: 16.091+/-0.394 χ^2/NDF:120.7/7

+ sign 17.565+/-0.295 χ^2/NDF: 430.3/24

All: 17.991+/-0.212 χ^2/NDF: 726.3/50

- sign 18.443+/-0.304 χ^2/NDF: 291.7/25

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.485+/-0.018 χ^2/NDF:14126.5/8

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

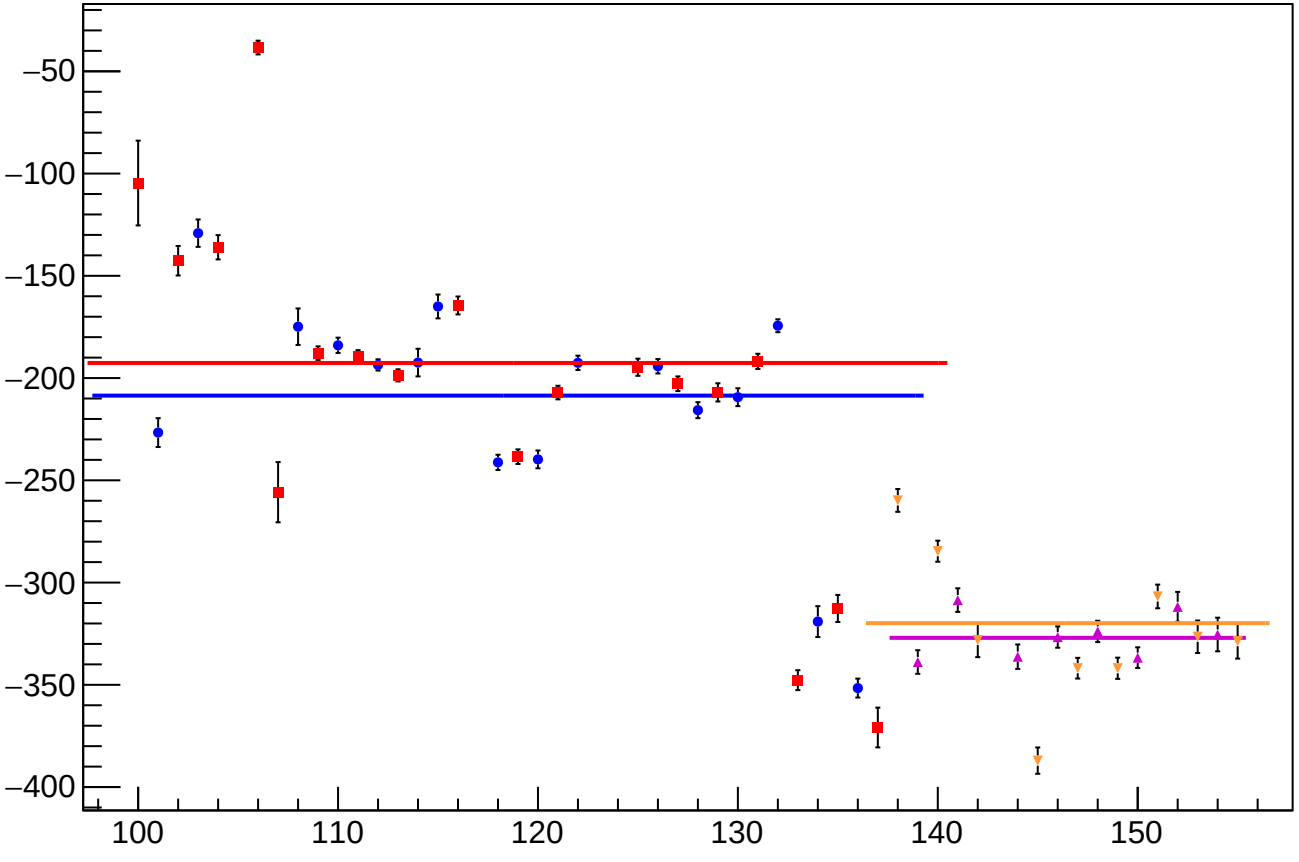
Left In: -8.838+/-0.018 χ^2/NDF:10535.0/7

+ sign -9.822+/-0.015 χ^2/NDF: 377673.2/24

All: -9.688+/-0.011 χ^2/NDF: 708543.1/50

- sign -9.547+/-0.016 χ^2/NDF: 330711.9/25

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -319.847+/-2.025 χ^2/NDF:316.1/8

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

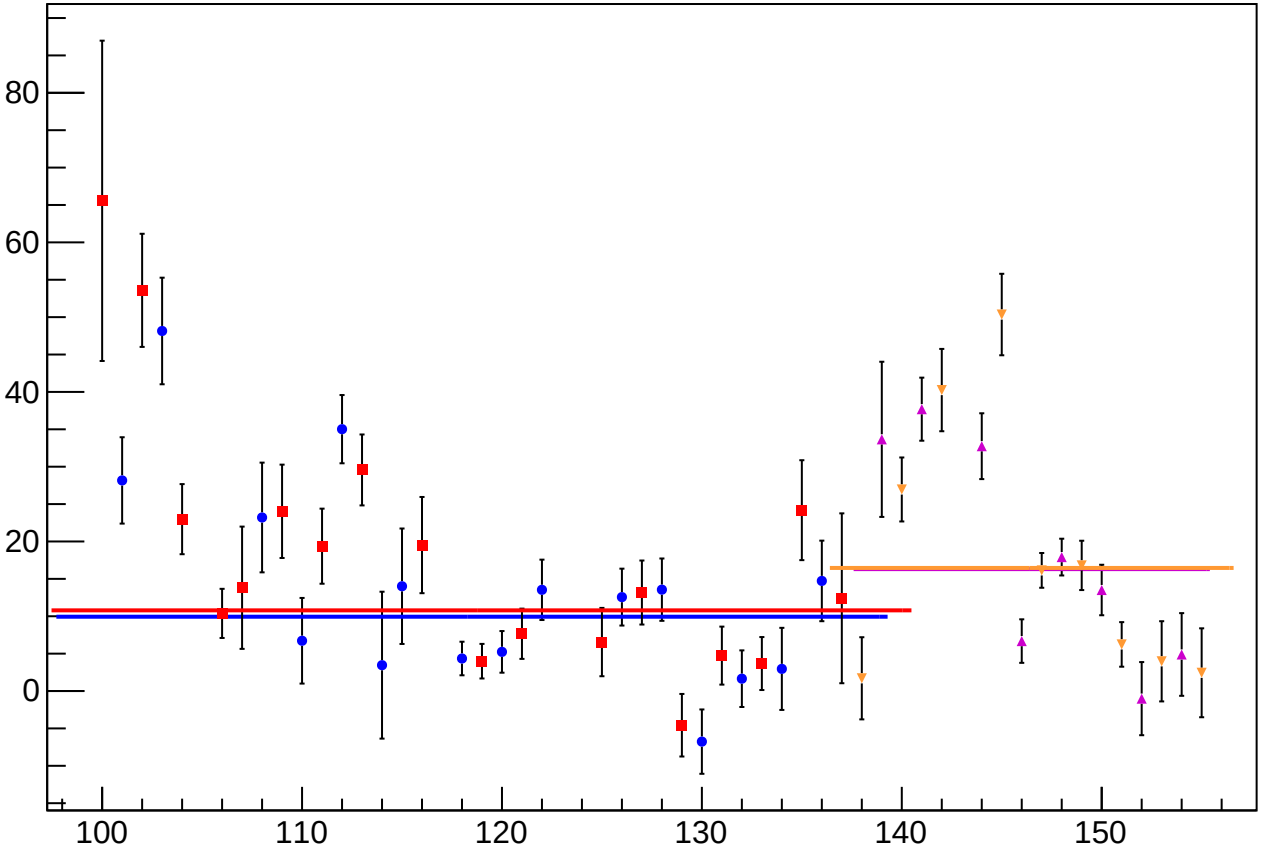
Left In: -327.034+/-2.065 χ^2/NDF:25.2/7

+ sign -232.741+/-0.944 χ^2/NDF: 4430.0/24

All: -225.065+/-0.651 χ^2/NDF: 12221.0/50

- sign -218.094+/-0.899 χ^2/NDF: 7664.7/25

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 16.460+/-1.283 χ^2/NDF:93.4/8

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

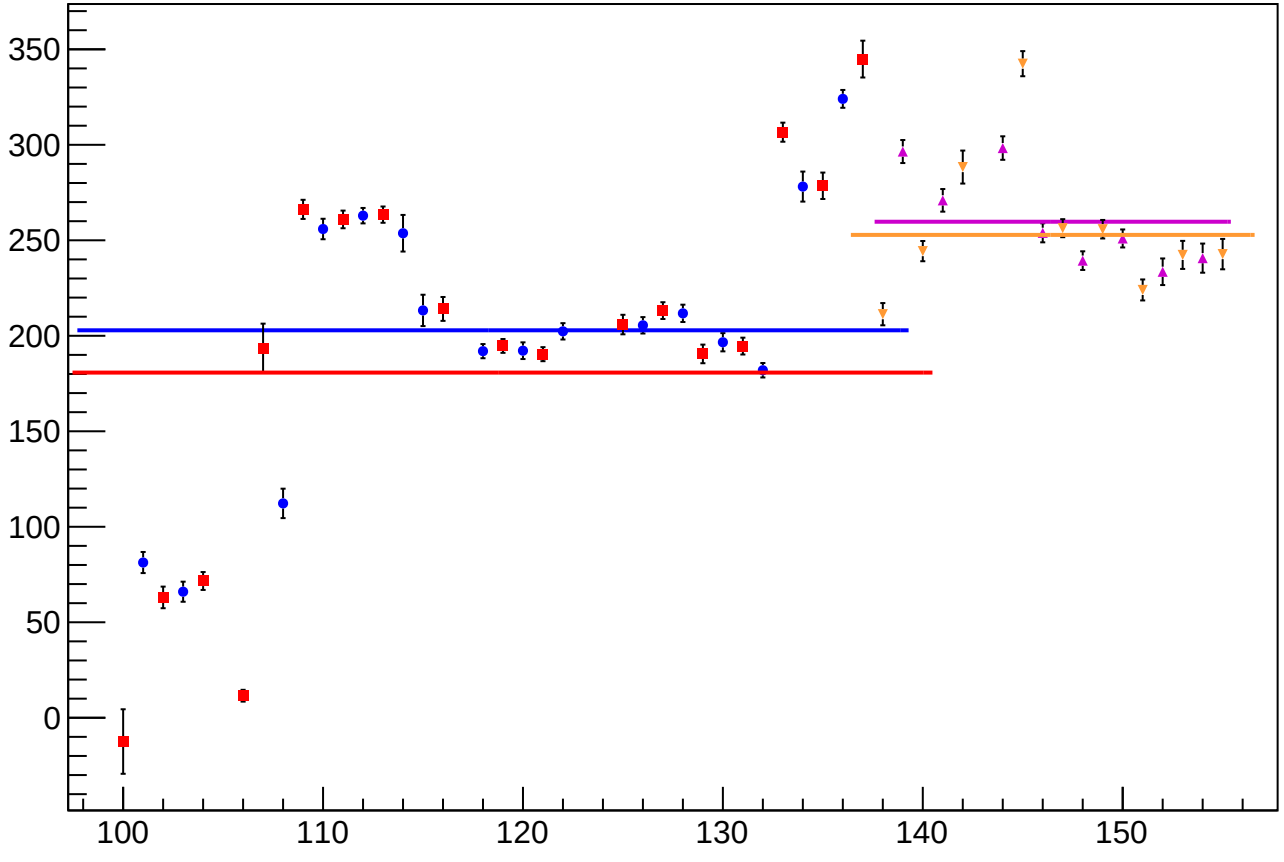
Left In: 16.303+/-1.333 χ^2/NDF:71.3/7

+ sign 12.599+/-0.820 χ^2/NDF: 215.2/24

All: 12.742+/-0.580 χ^2/NDF: 402.3/50

- sign 12.885+/-0.822 χ^2/NDF: 187.0/25

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 252.828+/-1.974 χ^2/NDF:288.4/8

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

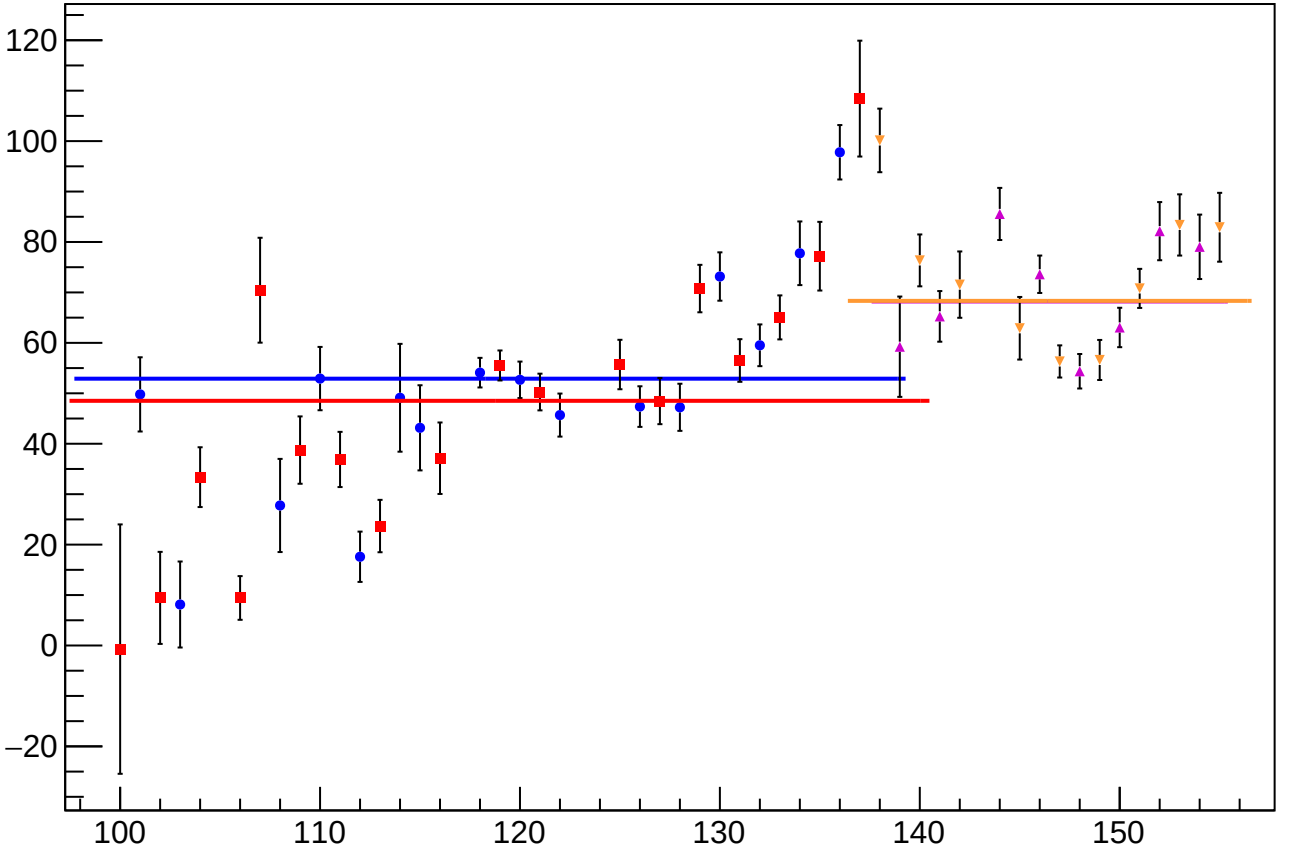
Left In: 259.720+/-2.010 χ^2/NDF:122.7/7

+ sign 216.772+/-1.041 χ^2/NDF: 3214.8/24

All: 208.023+/-0.719 χ^2/NDF: 10987.2/50

- sign 200.051+/-0.994 χ^2/NDF: 7637.4/25

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 68.326+/-1.603 χ^2/NDF:62.9/8

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

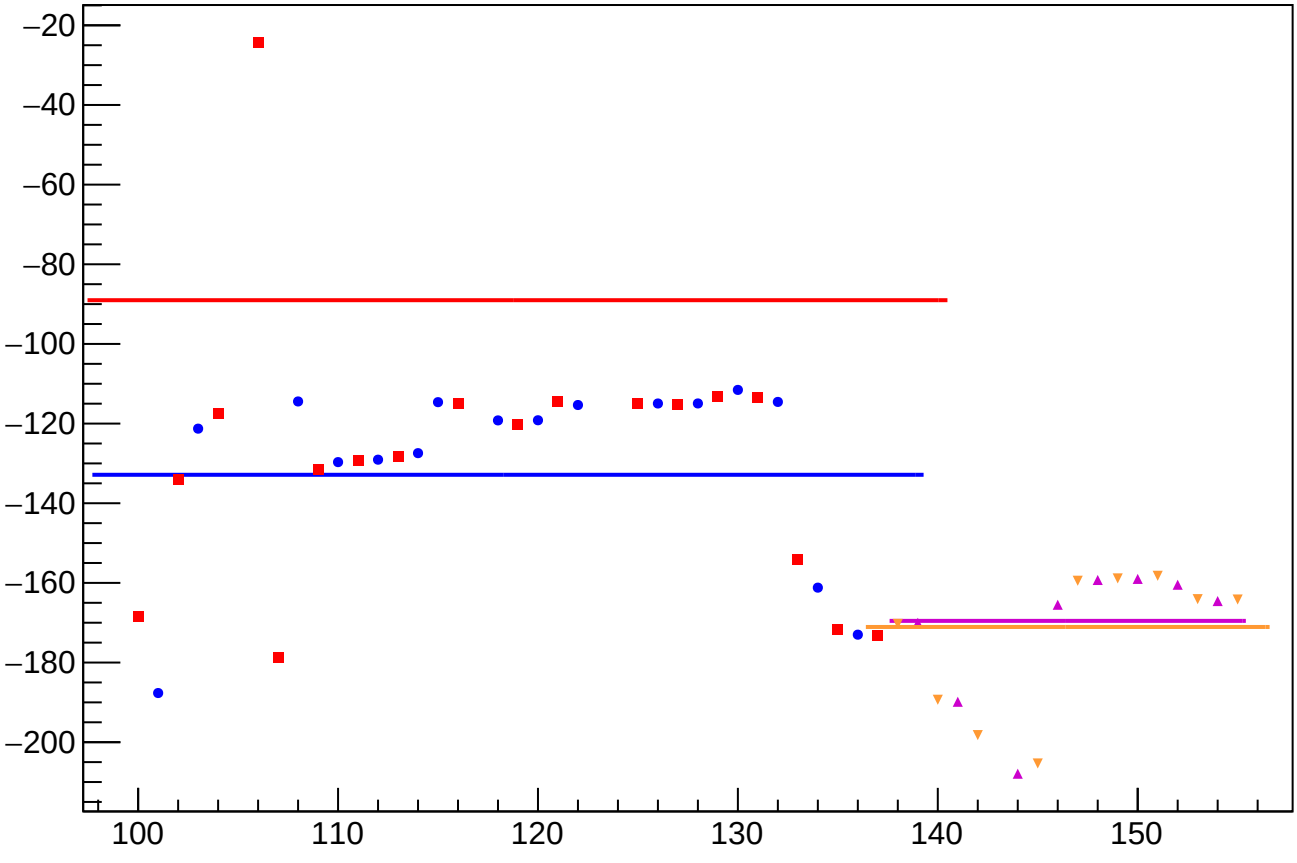
Left In: 68.201+/-1.654 χ^2/NDF:41.4/7

+ sign 58.682+/-0.982 χ^2/NDF: 319.1/24

All: 57.040+/-0.693 χ^2/NDF: 698.2/50

- sign 55.408+/-0.979 χ^2/NDF: 373.5/25

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -171.067+/-0.080 χ^2/NDF:40717.6/8

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

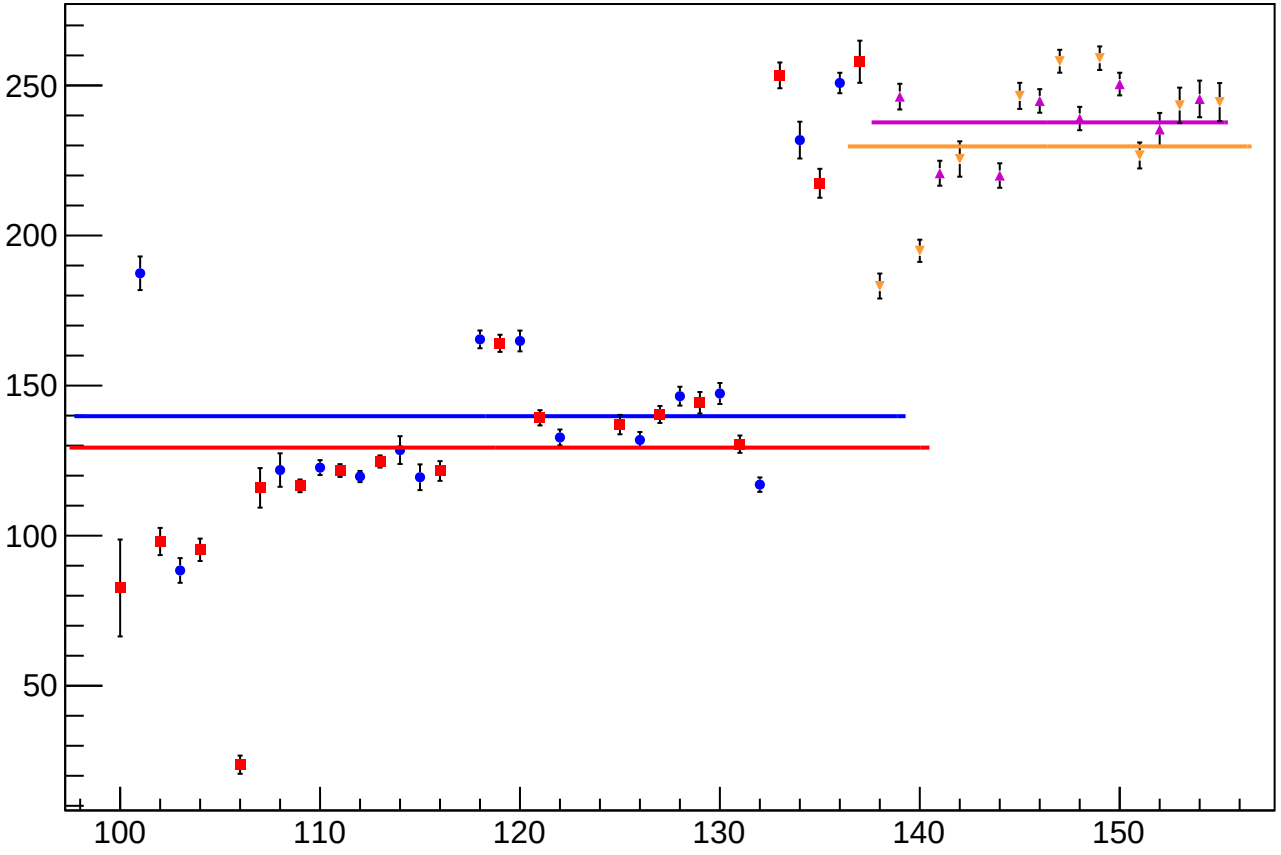
Left In: -169.535+/-0.080 χ^2/NDF:34131.0/7

+ sign -152.290+/-0.057 χ^2/NDF: 246418.4/24

All: -134.415+/-0.038 χ^2/NDF: 1801549.3/50

- sign -120.685+/-0.050 χ^2/NDF: 1381433.1/25

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 229.693+/-1.485 χ^2/NDF:351.6/8

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

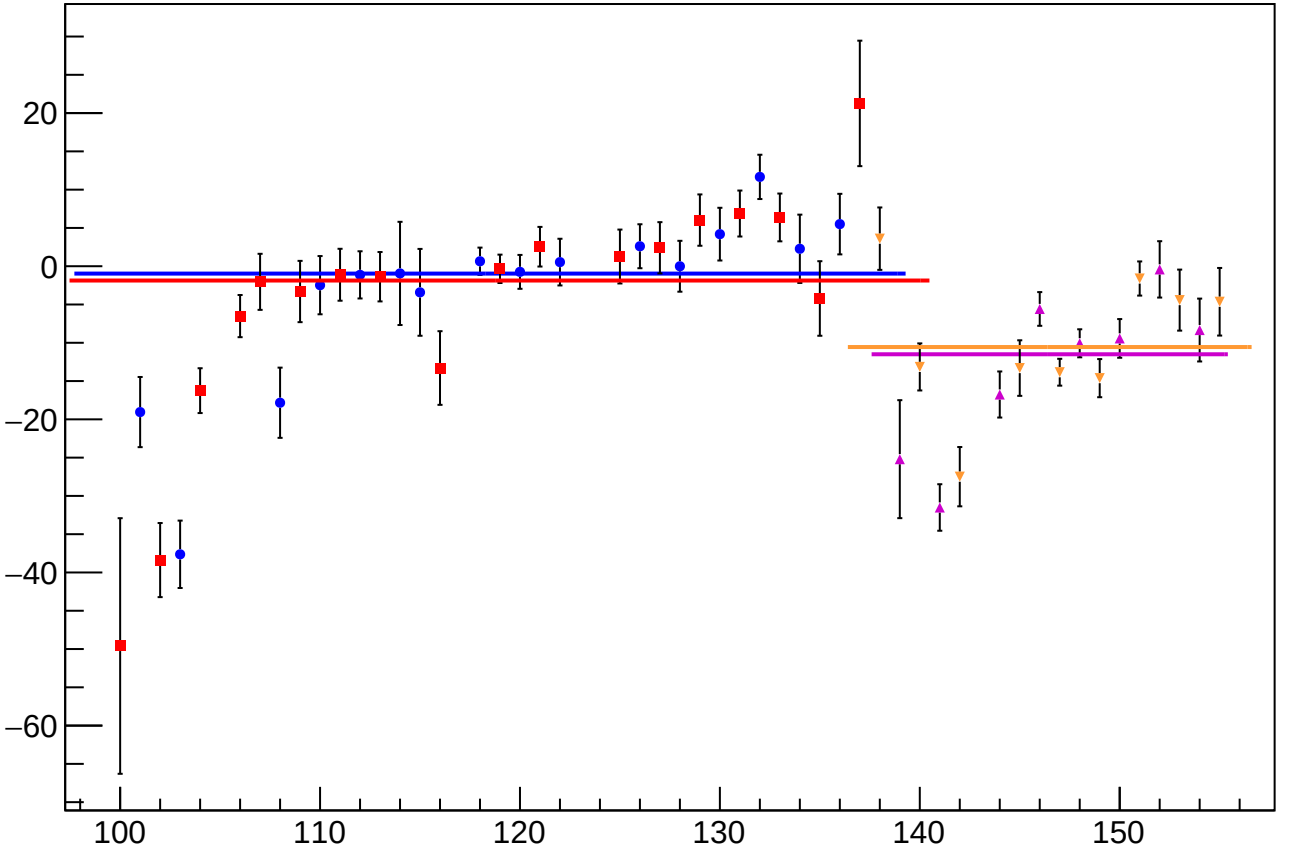
Left In: 237.692+/-1.519 χ^2/NDF:56.1/7

\+ sign 159.416+/-0.694 χ^2/NDF: 5179.3/24

All: 154.410+/-0.479 χ^2/NDF: 12582.3/50

\- sign 149.864+/-0.661 χ^2/NDF: 7303.6/25

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -10.555+/-0.949 χ^2/NDF:58.9/8

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

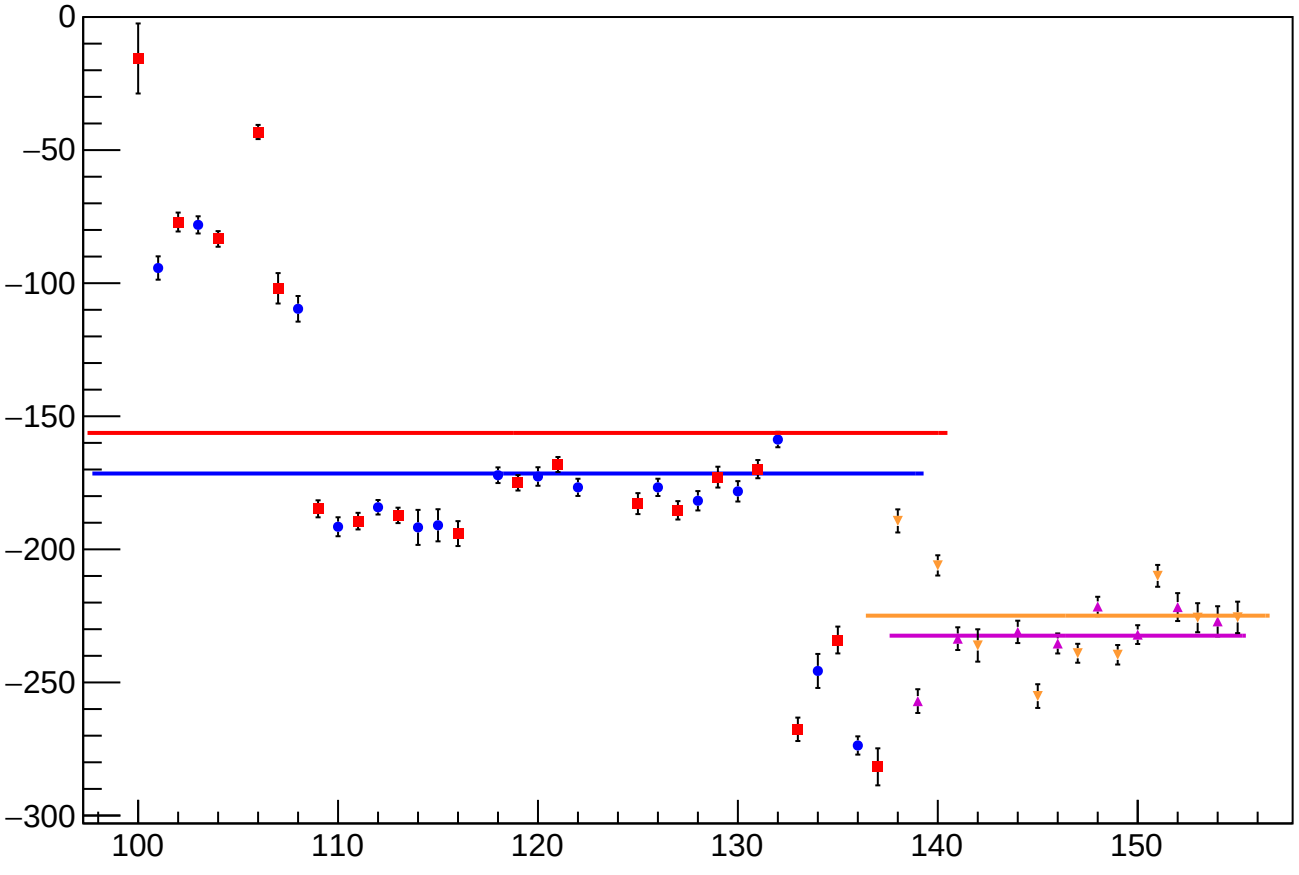
Left In: -11.501+/-0.985 χ^2/NDF:67.8/7

+ sign -4.996+/-0.615 χ^2/NDF: 244.2/24

All: -5.299+/-0.434 χ^2/NDF: 504.2/50

- sign -5.600+/-0.613 χ^2/NDF: 259.5/25

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.912+/-1.452 χ^2/NDF:186.4/8

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

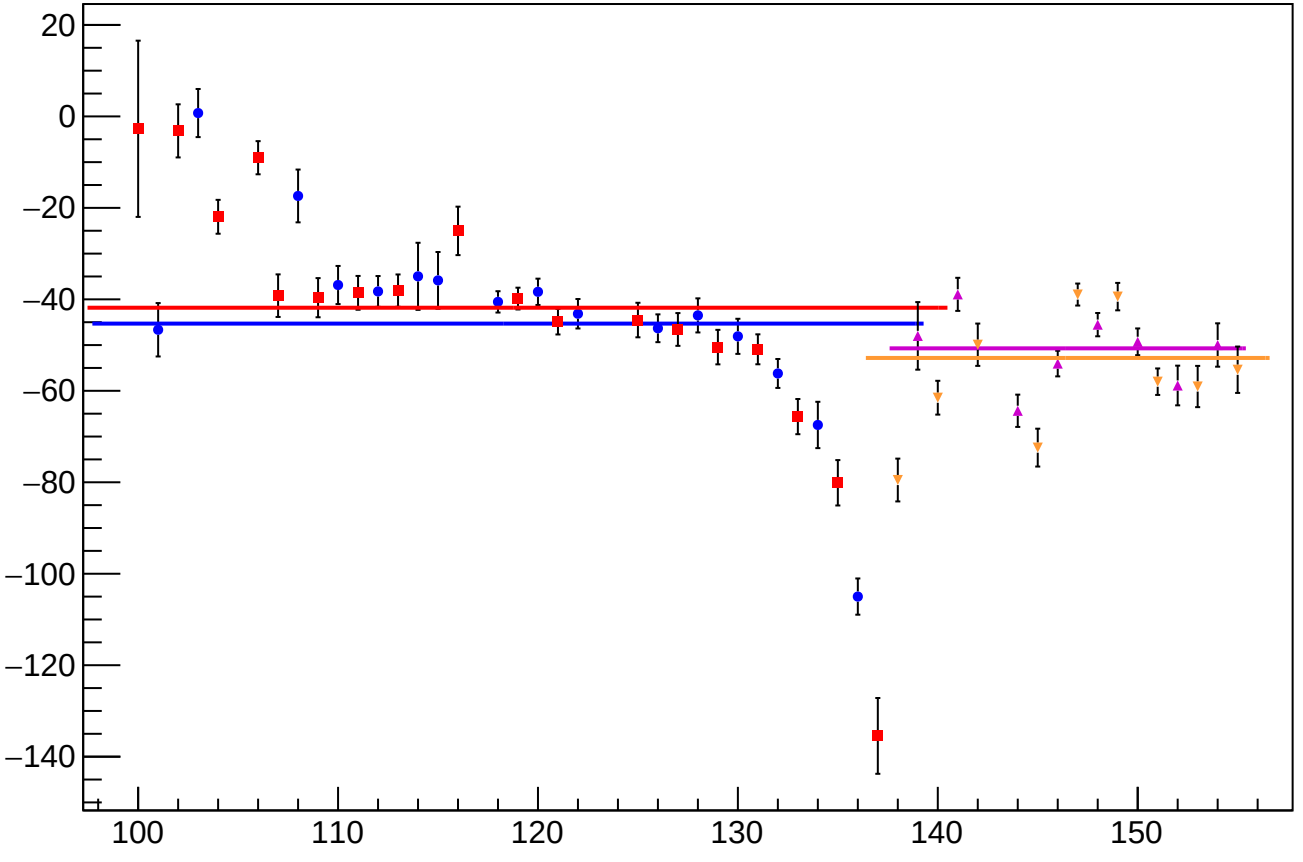
Left In: -232.432+/-1.481 χ^2/NDF:45.3/7

\+ sign -186.497+/-0.769 χ^2/NDF: 3602.8/24

All: -180.517+/-0.532 χ^2/NDF: 10661.6/50

\- sign -175.048+/-0.735 χ^2/NDF: 6943.0/25

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -52.815+/-1.182 χ^2/NDF:119.5/8

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

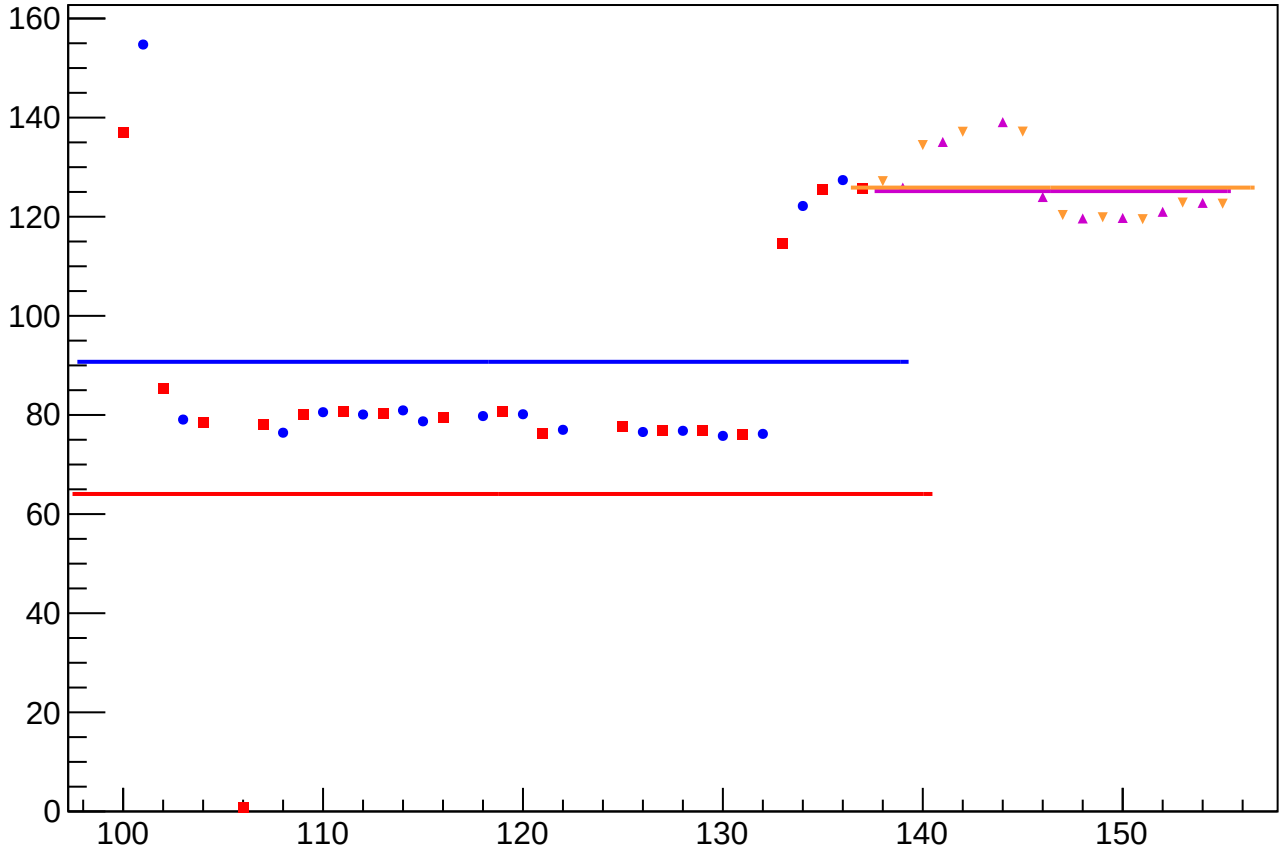
Left In: -50.714+/-1.221 χ^2/NDF:35.1/7

+ sign -48.203+/-0.735 χ^2/NDF: 526.3/24

All: -46.591+/-0.518 χ^2/NDF: 1019.2/50

- sign -45.001+/-0.729 χ^2/NDF: 483.4/25

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 125.877+/-0.059 χ^2/NDF:13529.3/8

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

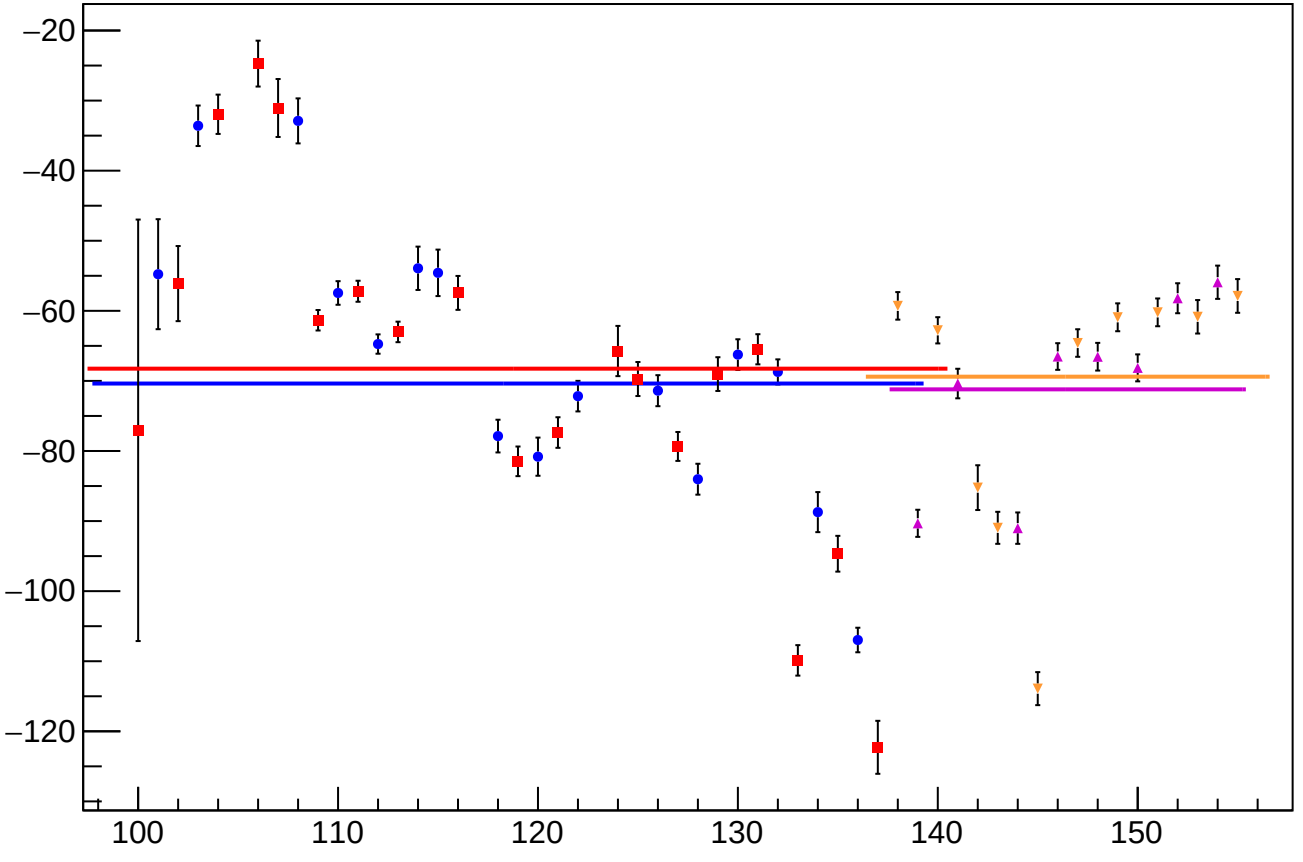
Left In: 125.171+/-0.059 χ^2/NDF:12251.3/7

+ sign 108.199+/-0.041 χ^2/NDF: 354263.7/24

All: 97.851+/-0.028 χ^2/NDF: 1775145.2/50

- sign 89.260+/-0.038 χ^2/NDF: 1306934.2/25

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -69.396+/-0.686 χ^2/NDF:591.0/9

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

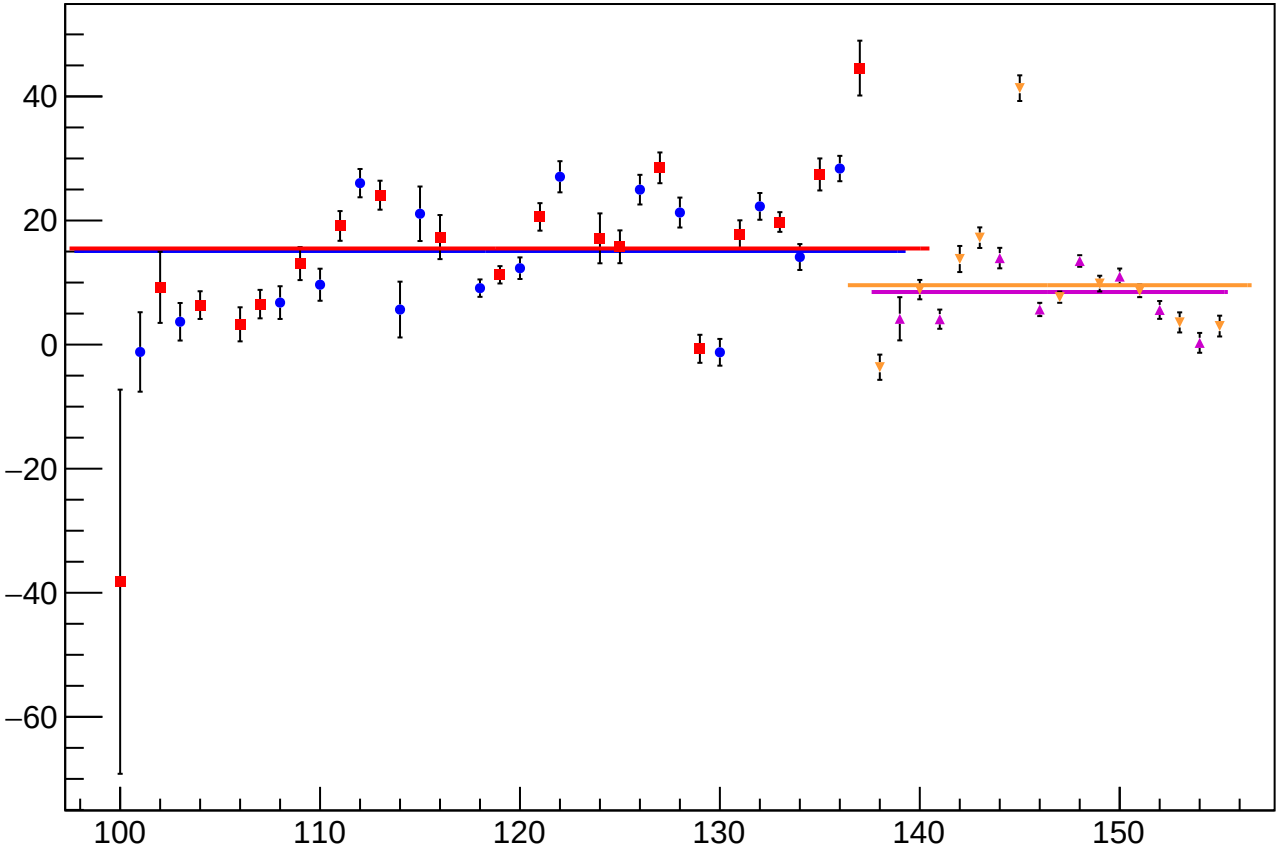
Left In: -71.205+/-0.727 χ^2/NDF:268.6/7

+ sign -69.985+/-0.433 χ^2/NDF: 1567.1/25

All: -69.621+/-0.304 χ^2/NDF: 3153.9/52

- sign -69.268+/-0.427 χ^2/NDF: 1585.4/26

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 9.574+/-0.448 χ^2/NDF:337.9/9

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

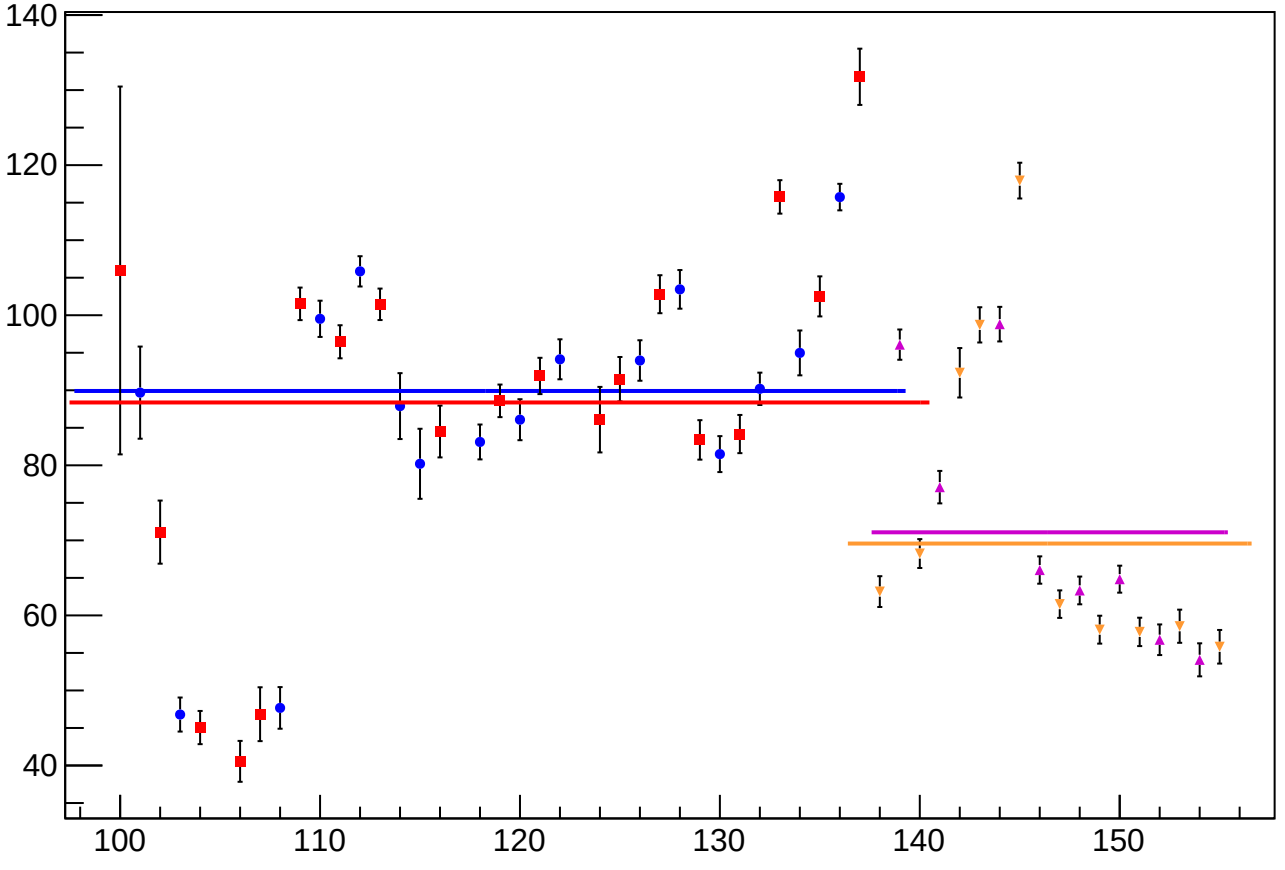
Left In: 8.477+/-0.479 χ^2/NDF:90.1/7

+ sign 11.630+/-0.355 χ^2/NDF: 637.0/25

All: 11.542+/-0.254 χ^2/NDF: 1057.5/52

- sign 11.450+/-0.363 χ^2/NDF: 420.3/26

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 69.576+/-0.670 χ^2/NDF:782.4/9

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

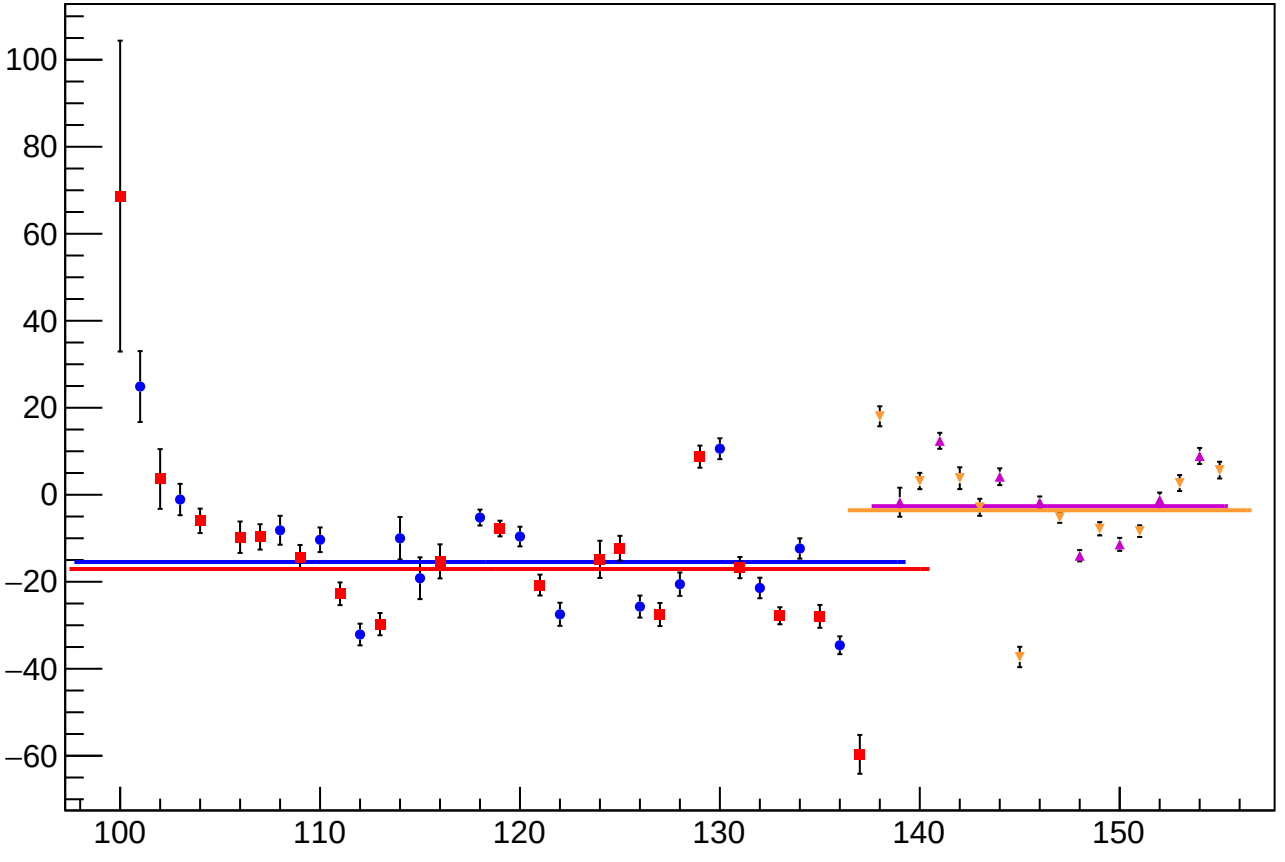
Left In: 71.073+/-0.707 χ^2/NDF:452.4/7

+ sign 80.196+/-0.463 χ^2/NDF: 2211.1/25

All: 80.544+/-0.328 χ^2/NDF: 4293.0/52

- sign 80.895+/-0.465 χ^2/NDF: 2080.7/26

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.569+/-0.552 χ^2/NDF:374.3/9

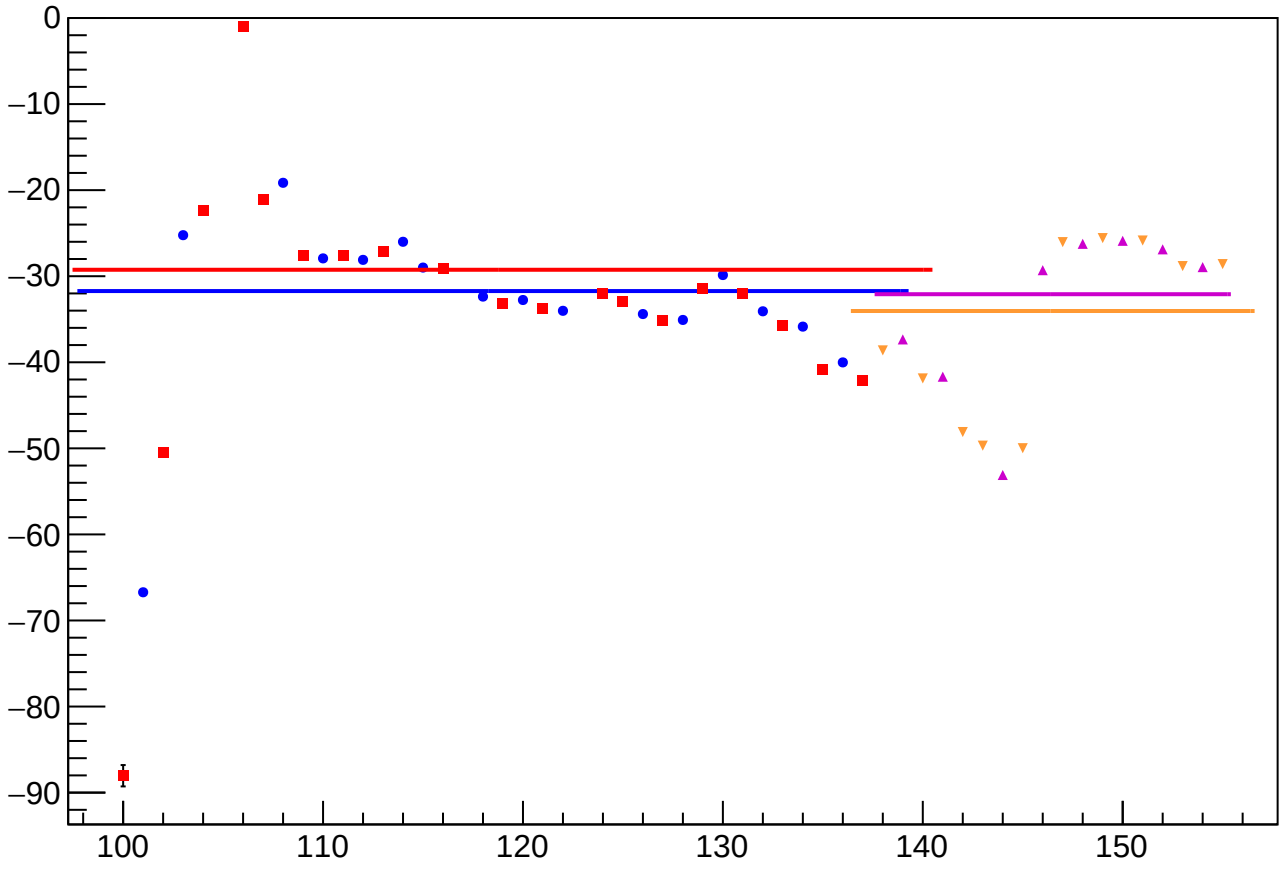
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.623+/-0.590 χ^2/NDF:231.0/7

\+ sign -8.415+/-0.425 χ^2/NDF: 949.7/25

All: -8.805+/-0.304 χ^2/NDF: 1817.2/52

\- sign -9.214+/-0.435 χ^2/NDF: 865.8/26



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -34.042+/-0.027 χ^2/NDF:120626.9/9

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

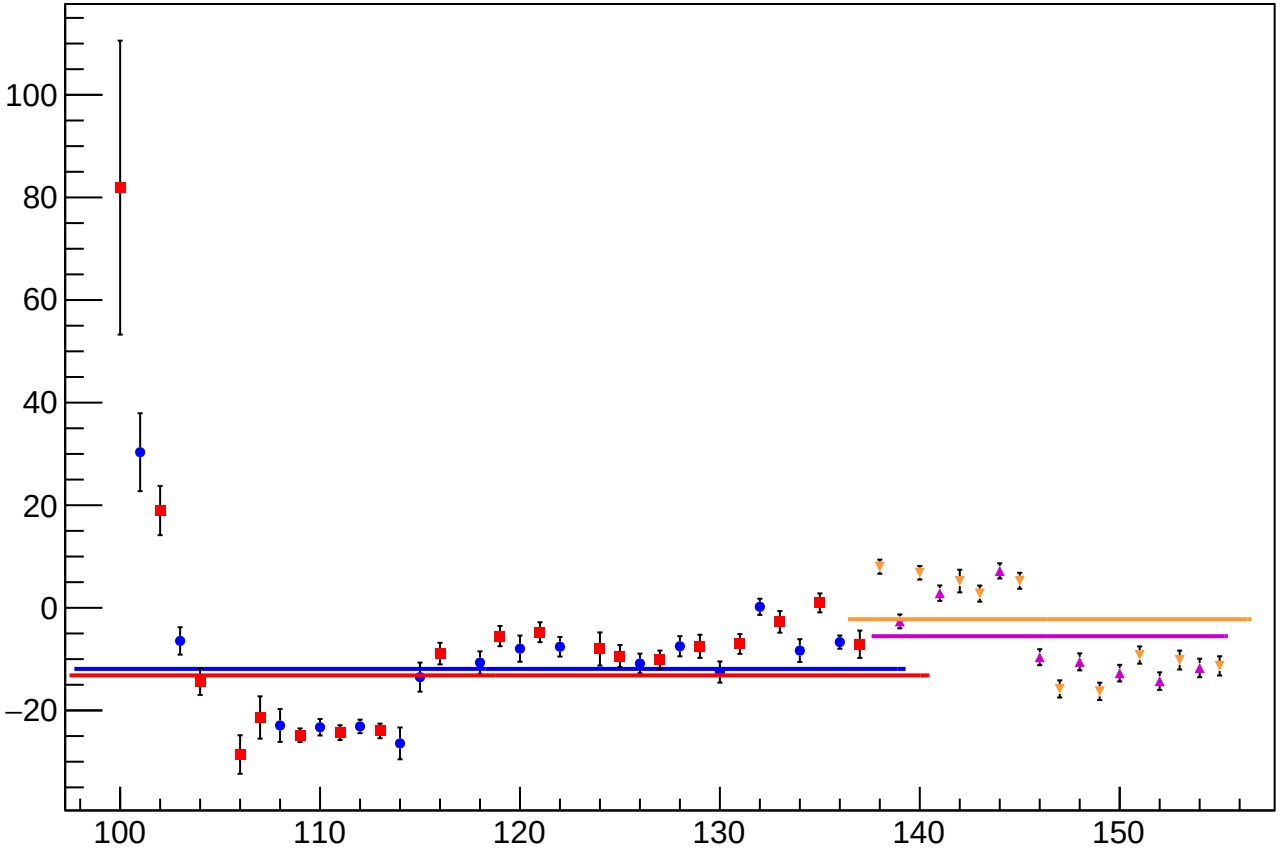
Left In: -32.091+/-0.028 χ^2/NDF:79995.8/7

+ sign -33.293+/-0.022 χ^2/NDF: 162714.4/25

All: -32.234+/-0.016 χ^2/NDF: 346344.0/52

- sign -31.124+/-0.022 χ^2/NDF: 178836.3/26

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -2.226+/-0.516 χ^2/NDF:341.3/9

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

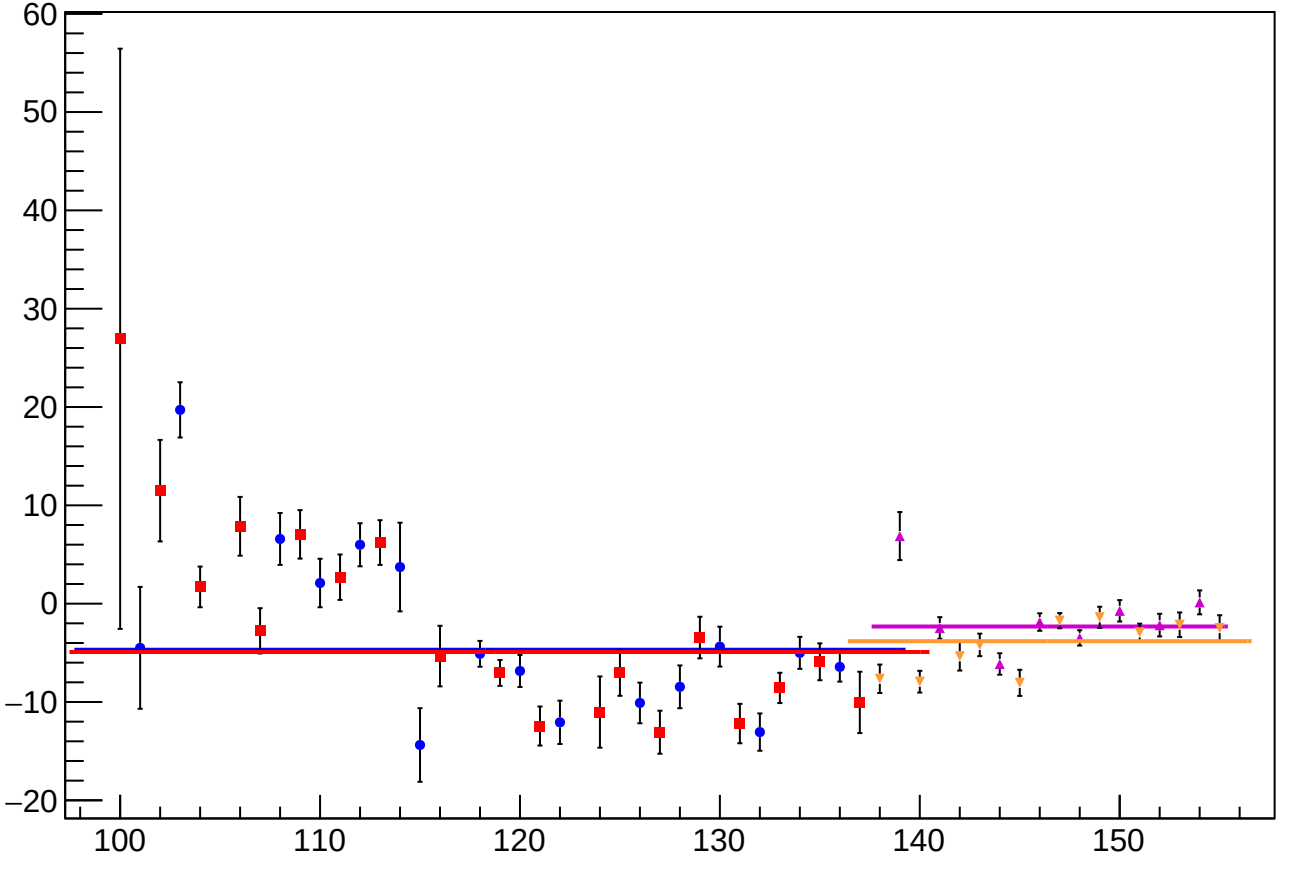
Left In: -5.529+/-0.554 χ^2/NDF:184.1/7

+ sign -7.246+/-0.358 χ^2/NDF: 806.2/25

All: -8.551+/-0.255 χ^2/NDF: 1547.3/52

- sign -9.894+/-0.363 χ^2/NDF: 714.1/26

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -3.815+/-0.350 χ^2/NDF:48.5/9

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

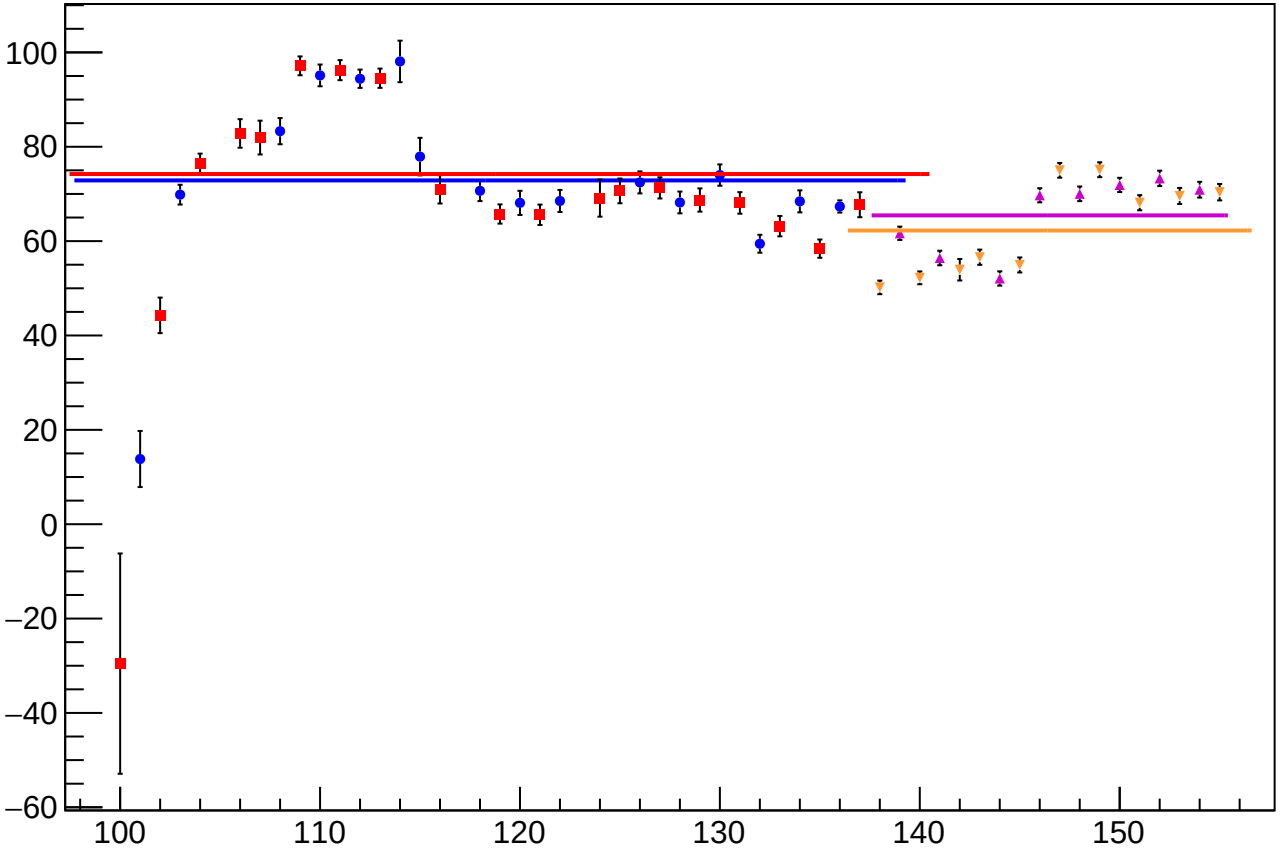
Left In: -2.322+/-0.378 χ^2/NDF:35.1/7

+ sign -4.089+/-0.290 χ^2/NDF: 229.5/25

All: -3.681+/-0.210 χ^2/NDF: 441.2/52

- sign -3.233+/-0.304 χ^2/NDF: 207.5/26

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 62.252+/-0.508 χ^2/NDF:358.2/9

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

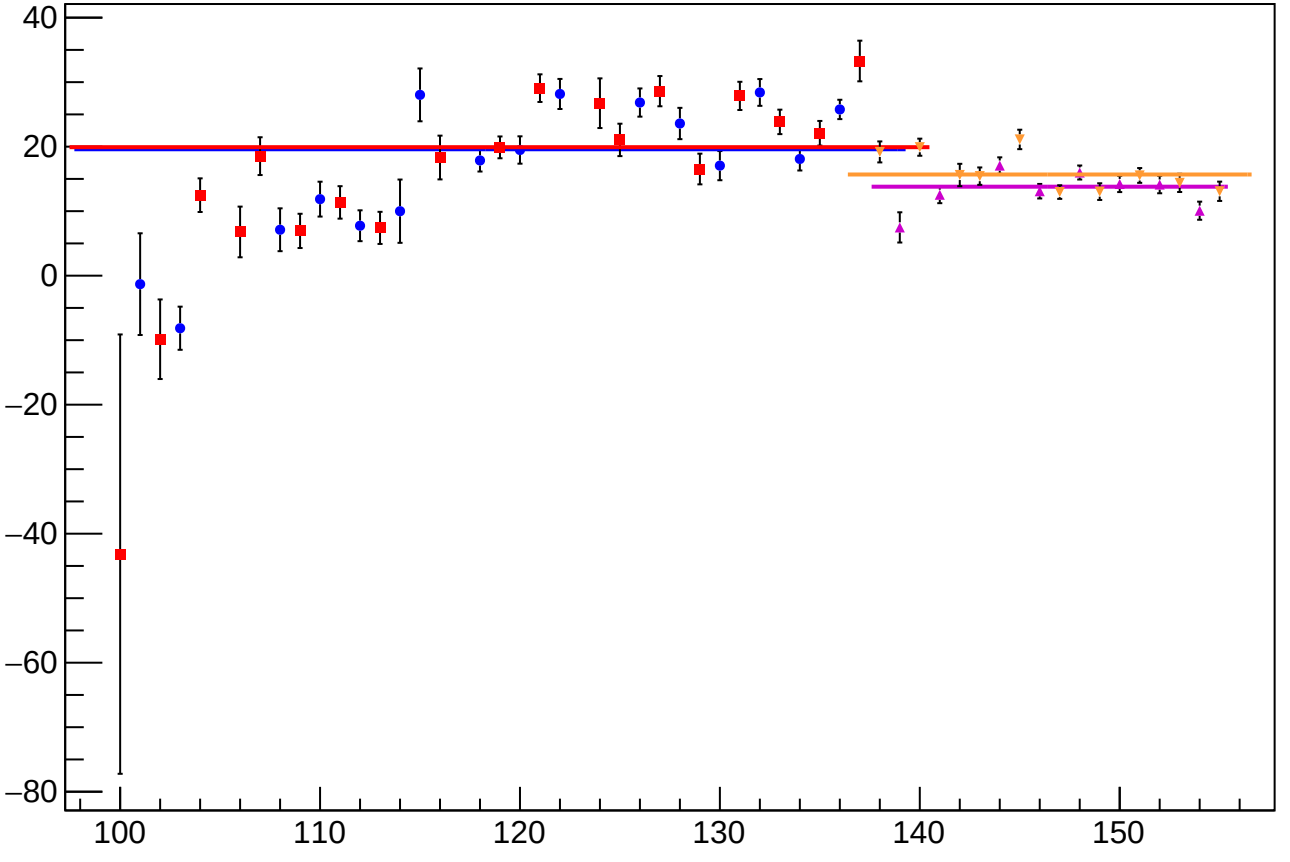
Left In: 65.456+/-0.543 χ^2/NDF:188.0/7

+ sign 66.998+/-0.378 χ^2/NDF: 1003.7/25

All: 68.297+/-0.272 χ^2/NDF: 1928.0/52

- sign 69.683+/-0.391 χ^2/NDF: 899.8/26

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 15.685+/-0.427 χ^2/NDF:42.6/9

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

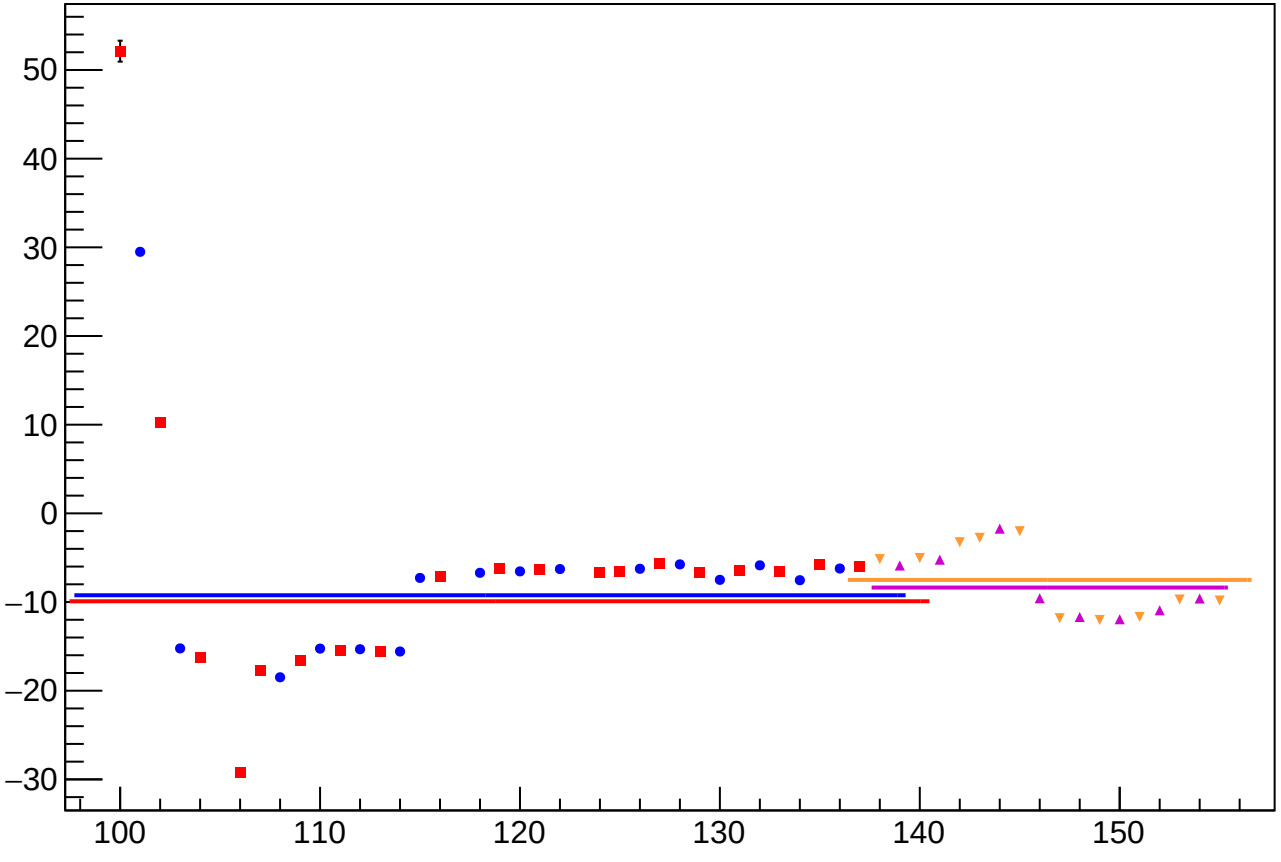
Left In: 13.794+/-0.461 χ^2/NDF:26.4/7

\+ sign 17.046+/-0.345 χ^2/NDF: 267.7/25

All: 16.615+/-0.250 χ^2/NDF: 546.3/52

\- sign 16.141+/-0.362 χ^2/NDF: 275.3/26

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -7.501+/-0.020 χ^2/NDF:34200.2/9

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

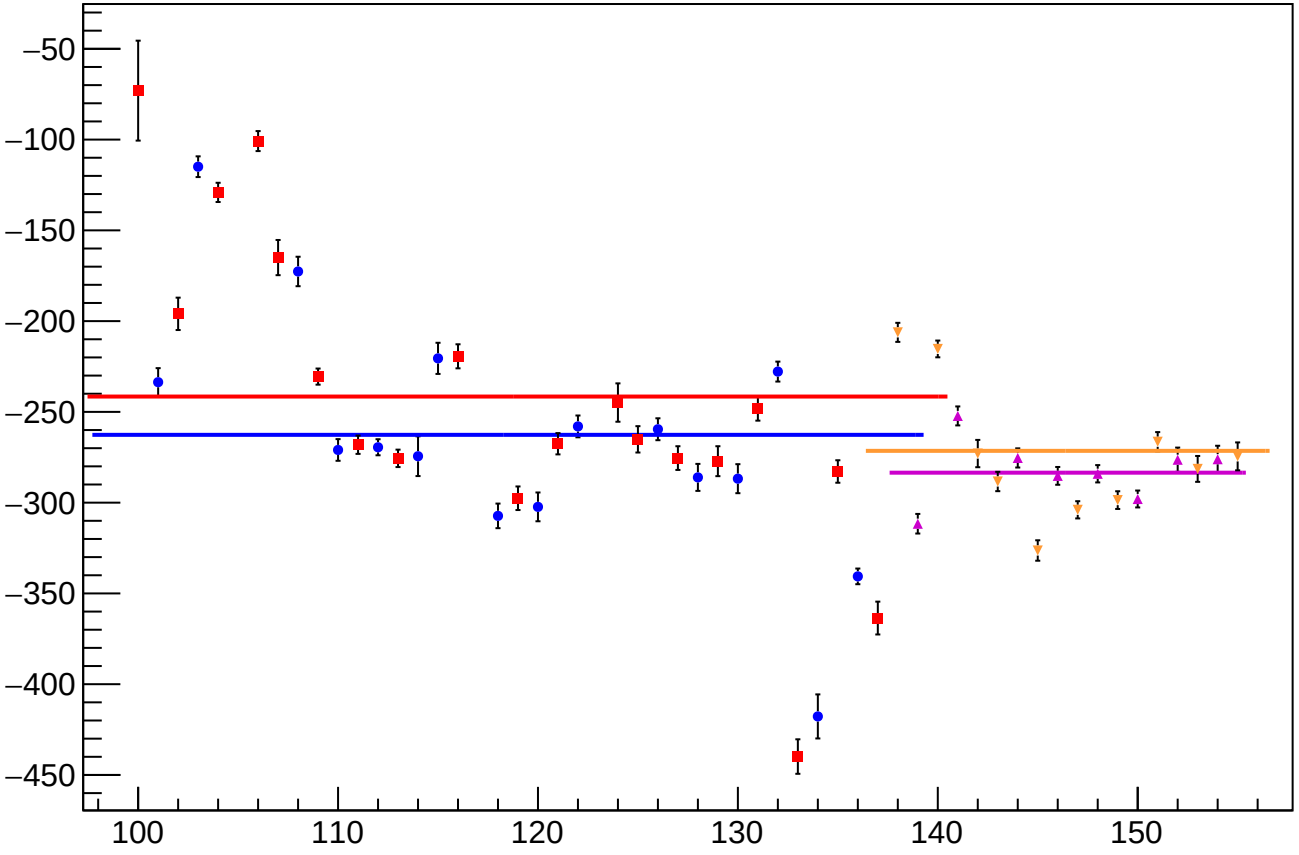
Left In: -8.369+/-0.021 χ^2/NDF:23508.6/7

+ sign -7.976+/-0.017 χ^2/NDF: 67381.9/25

All: -8.365+/-0.012 χ^2/NDF: 147285.7/52

- sign -8.792+/-0.018 χ^2/NDF: 78831.0/26

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -271.460+/-1.751 χ^2/NDF:488.8/9

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

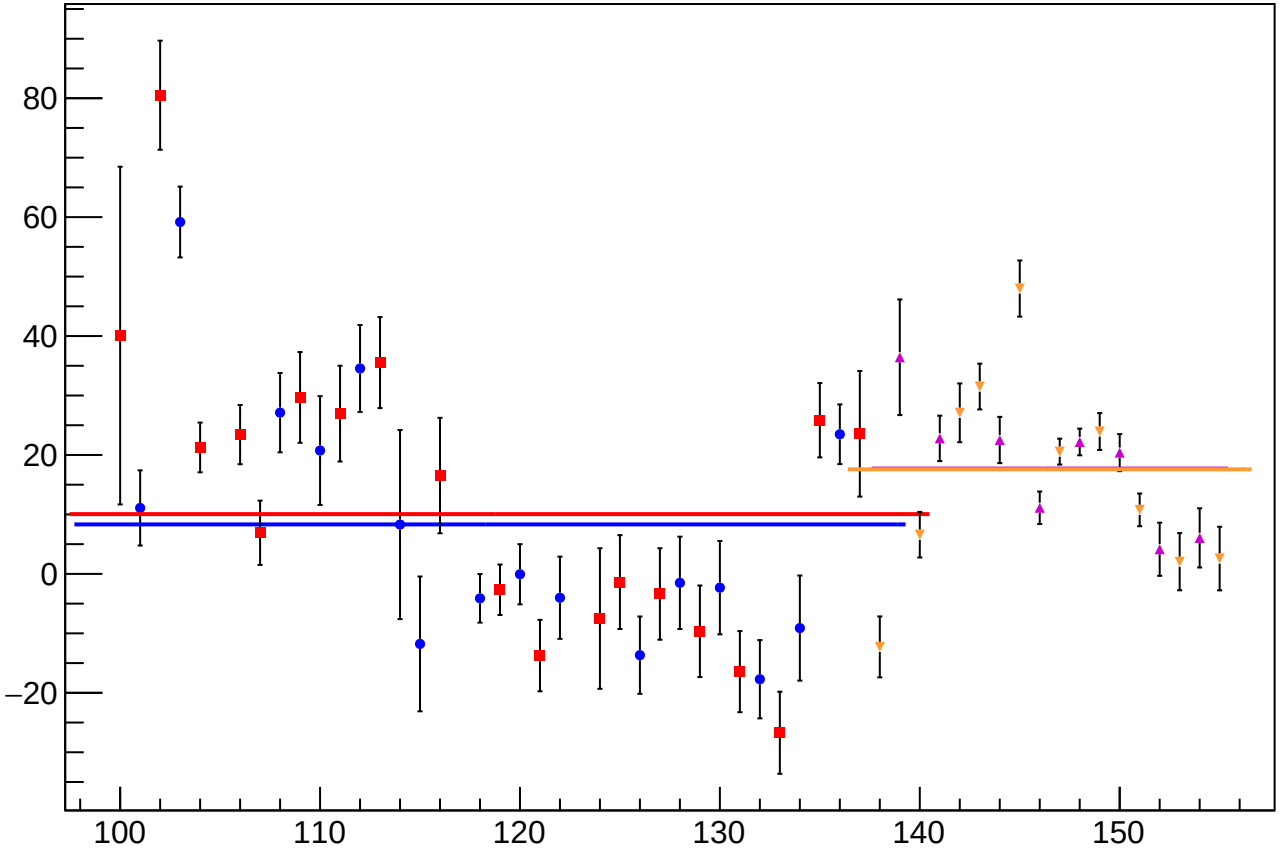
Left In: -283.489+/-1.893 χ^2/NDF:77.3/7

+ sign -266.694+/-1.187 χ^2/NDF: 1956.8/25

All: -262.221+/-0.836 χ^2/NDF: 4501.5/52

- sign -257.809+/-1.178 χ^2/NDF: 2516.5/26

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 17.587+/-1.129 χ^2/NDF:130.9/9

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

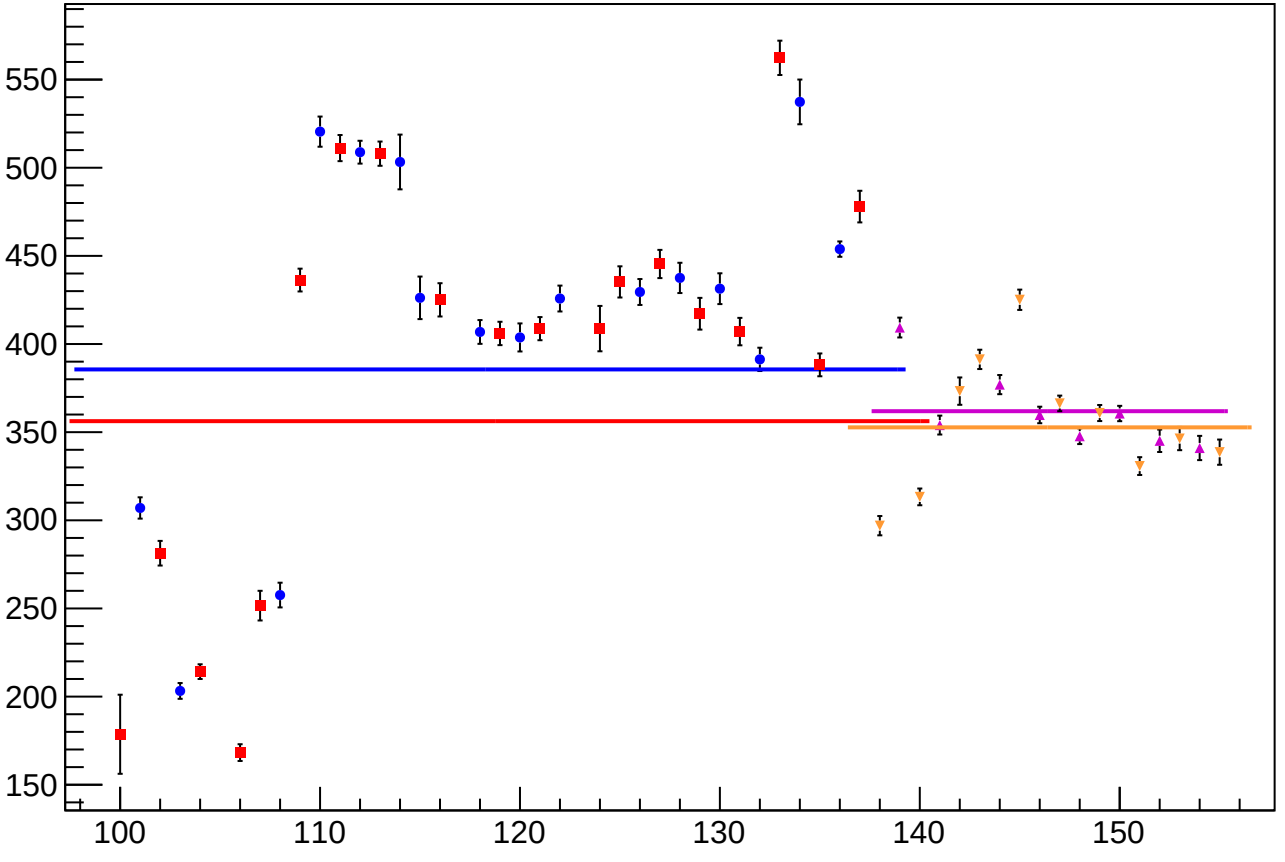
Left In: 17.708+/-1.221 χ^2/NDF:32.2/7

+ sign 14.618+/-0.931 χ^2/NDF: 310.1/25

All: 14.682+/-0.667 χ^2/NDF: 545.0/52

- sign 14.749+/-0.956 χ^2/NDF: 234.8/26

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 352.726+/-1.718 χ^2/NDF:423.8/9

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

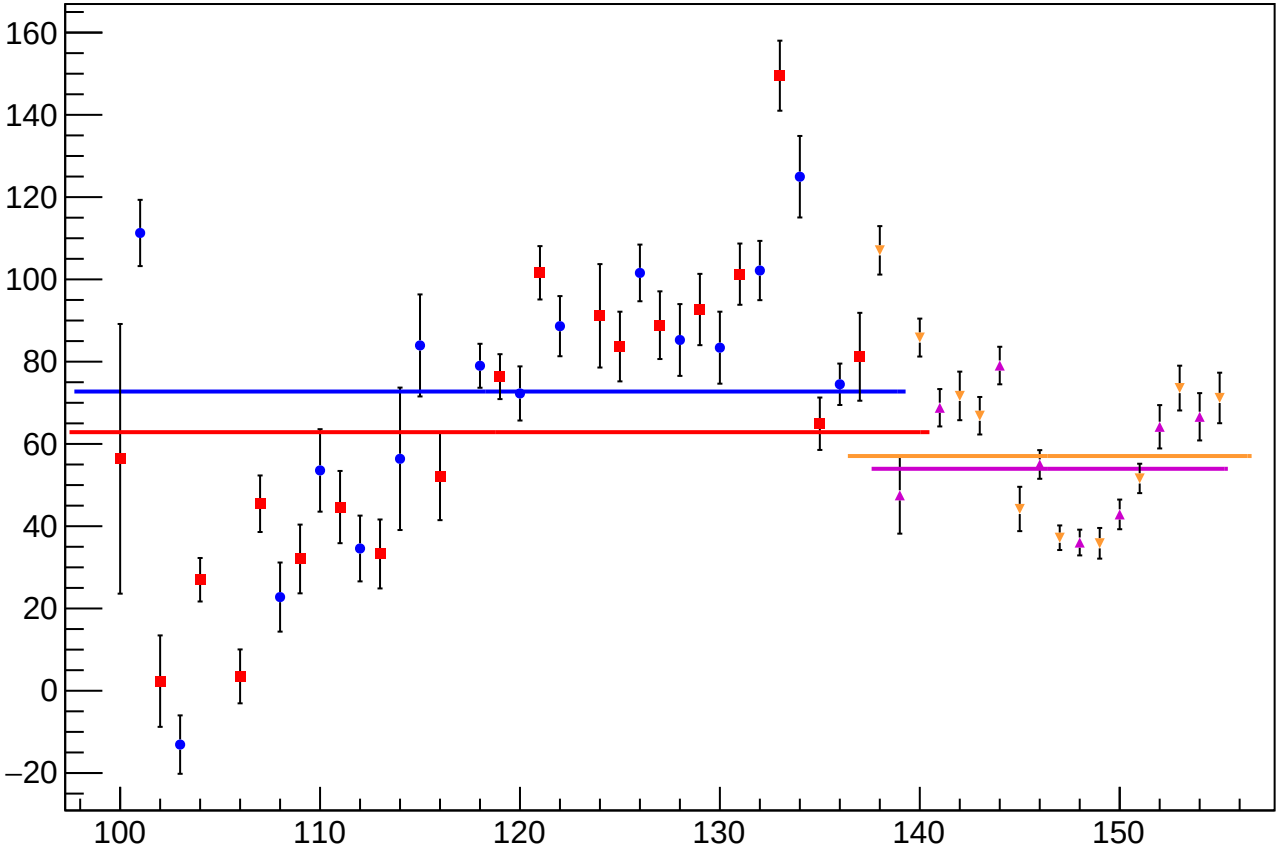
Left In: 361.898+/-1.842 χ^2/NDF:107.5/7

+ sign 368.923+/-1.223 χ^2/NDF: 3977.4/25

All: 363.858+/-0.866 χ^2/NDF: 9394.7/52

- sign 358.755+/-1.228 χ^2/NDF: 5383.0/26

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 57.058+/-1.401 χ^2/NDF:220.8/9

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

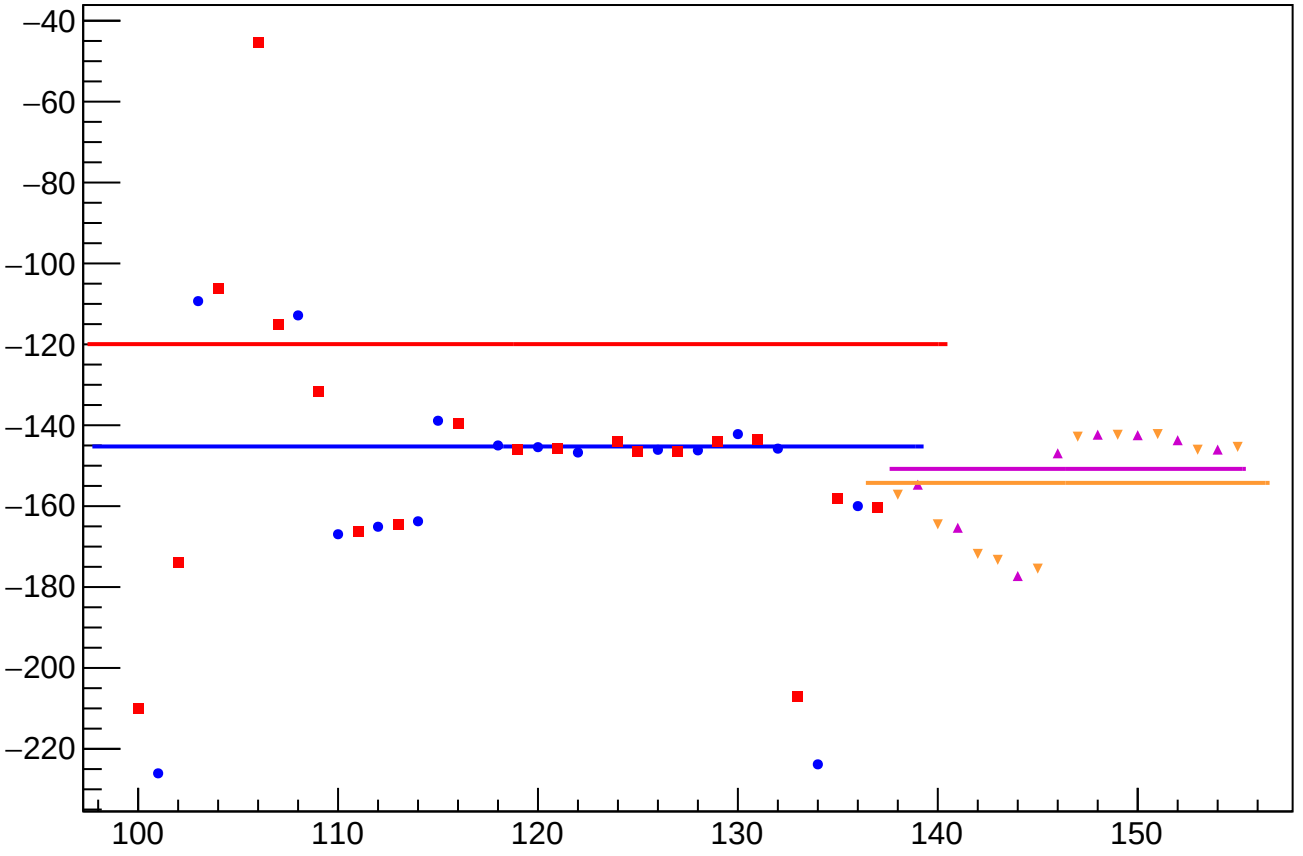
Left In: 53.958+/-1.515 χ^2/NDF:92.4/7

+ sign 62.593+/-1.127 χ^2/NDF: 569.3/25

All: 60.194+/-0.807 χ^2/NDF: 1089.0/52

- sign 57.663+/-1.158 χ^2/NDF: 510.4/26

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -154.247+/-0.070 χ^2/NDF:34647.6/9

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

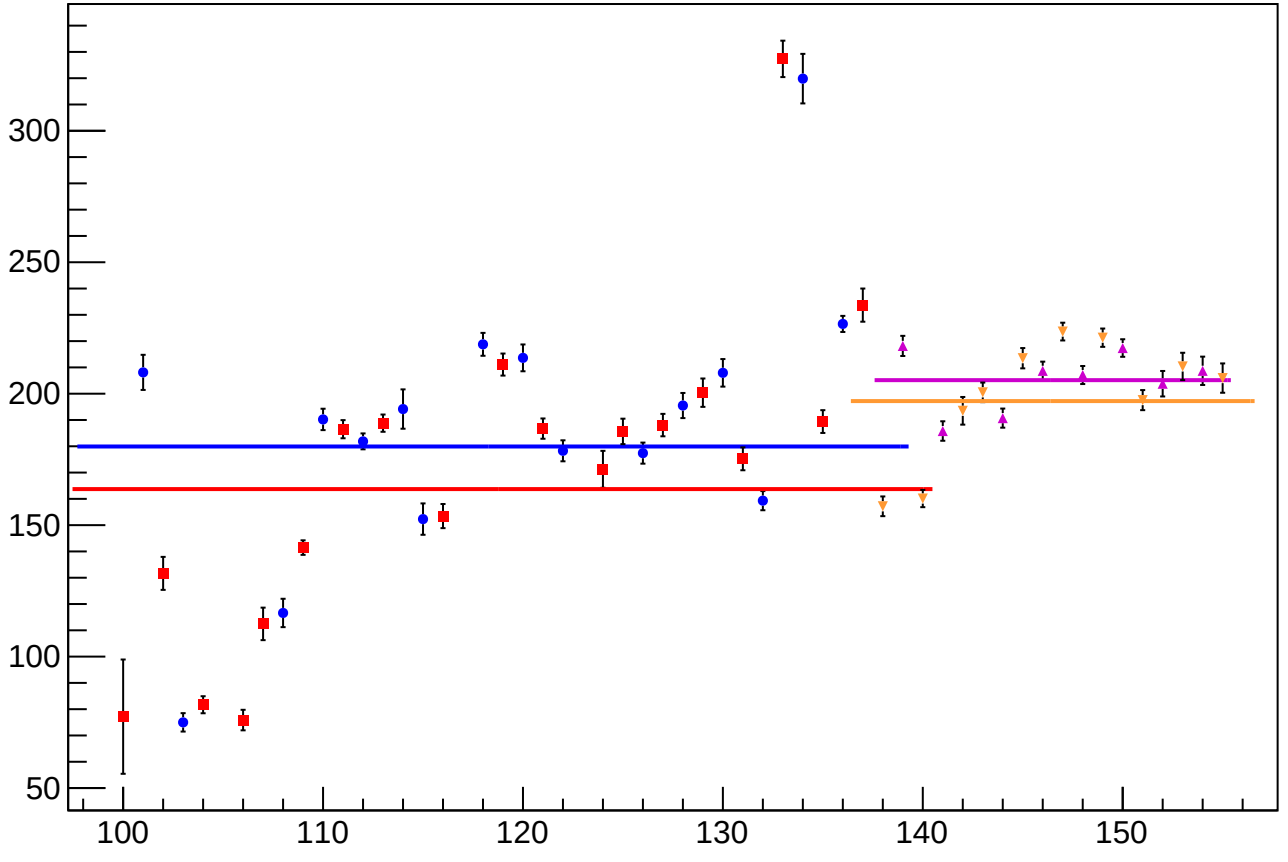
Left In: -150.785+/-0.073 χ^2/NDF:22777.9/7

+ sign -151.237+/-0.057 χ^2/NDF: 172281.5/25

All: -144.755+/-0.040 χ^2/NDF: 562966.3/52

- sign -138.360+/-0.056 χ^2/NDF: 364867.8/26

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 197.190+/-1.243 χ^2/NDF:379.0/9

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

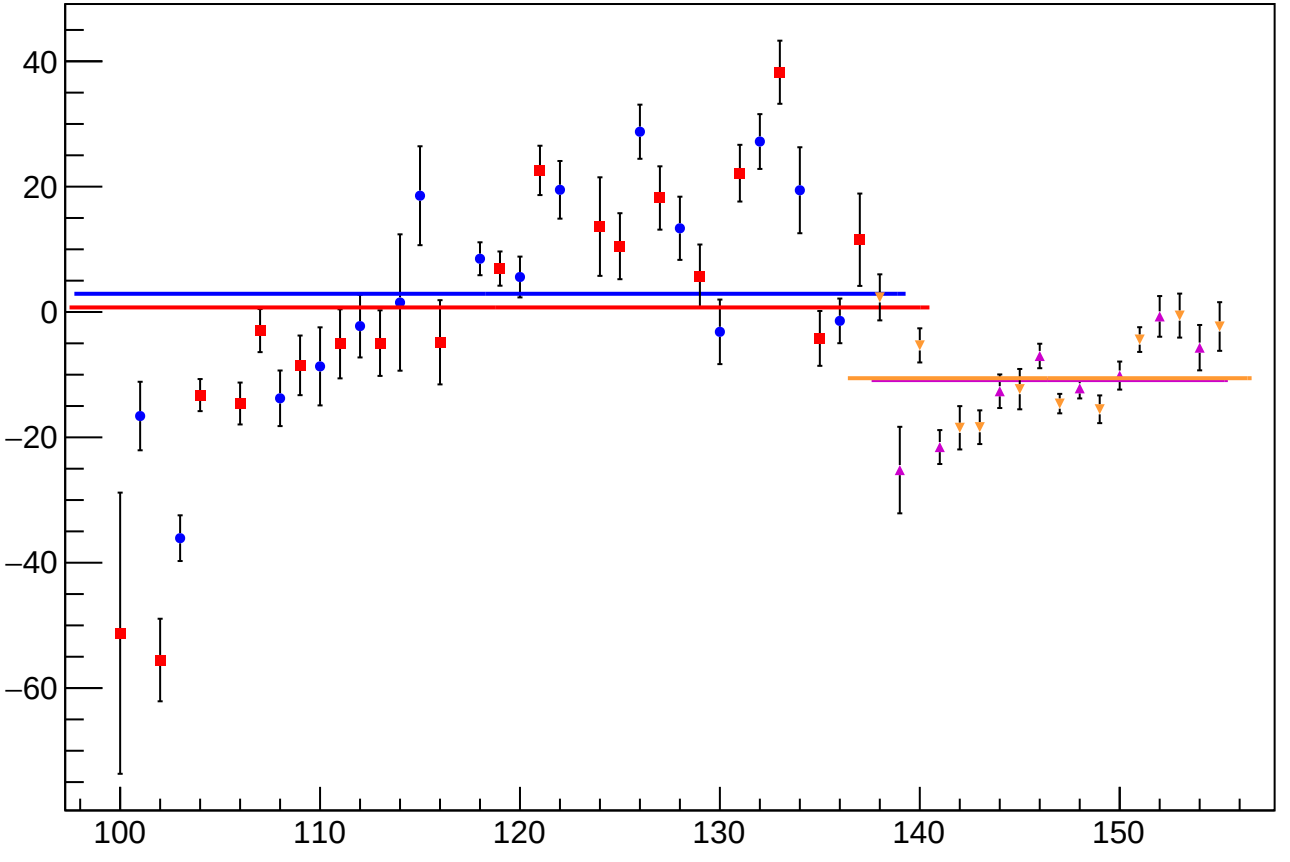
Left In: 205.152+/-1.348 χ^2/NDF:69.9/7

+ sign 187.416+/-0.819 χ^2/NDF: 2221.0/25

All: 182.844+/-0.574 χ^2/NDF: 5378.0/52

- sign 178.441+/-0.804 χ^2/NDF: 3095.8/26

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.563+/-0.803 χ^2/NDF:64.2/9

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

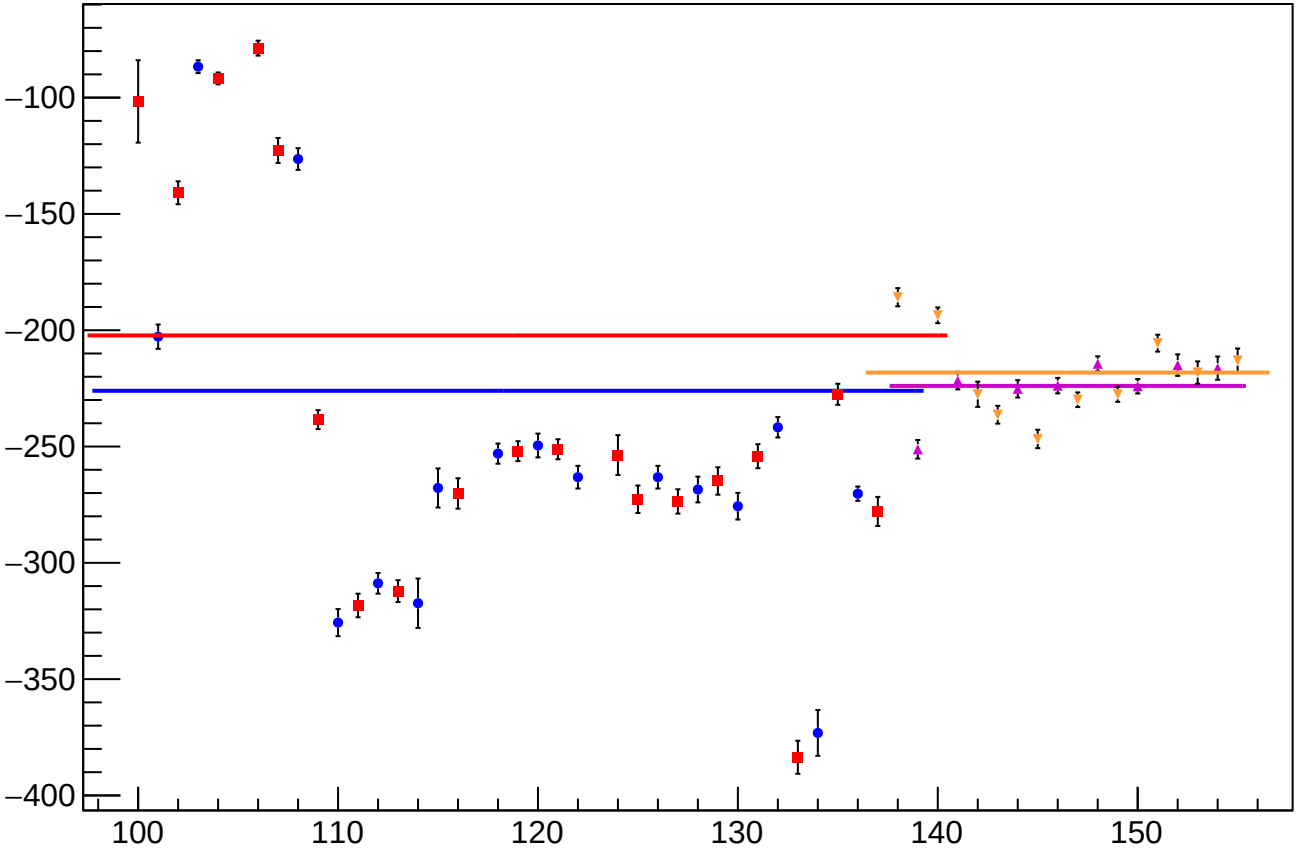
Left In: -10.861+/-0.872 χ^2/NDF:36.8/7

+ sign -5.906+/-0.649 χ^2/NDF: 409.0/25

All: -5.914+/-0.463 χ^2/NDF: 794.7/52

- sign -5.922+/-0.661 χ^2/NDF: 385.7/26

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.201+/-1.221 χ^2/NDF:234.3/9

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

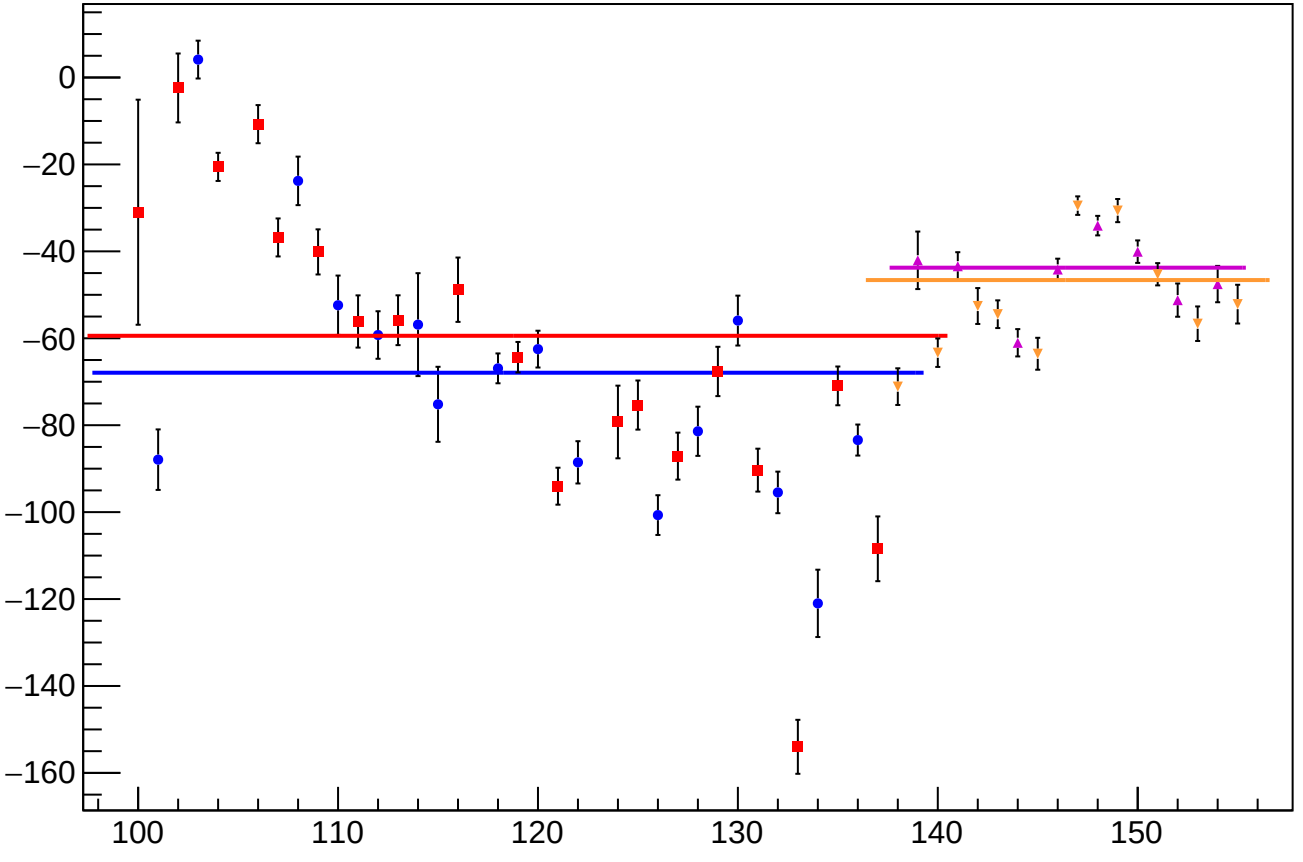
Left In: -223.930+/-1.313 χ^2/NDF:61.9/7

+ sign -222.264+/-0.847 χ^2/NDF: 4794.7/25

All: -216.602+/-0.595 χ^2/NDF: 11797.6/52

- sign -211.062+/-0.837 χ^2/NDF: 6914.4/26

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -46.607+/-0.996 χ^2/NDF:198.2/9

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

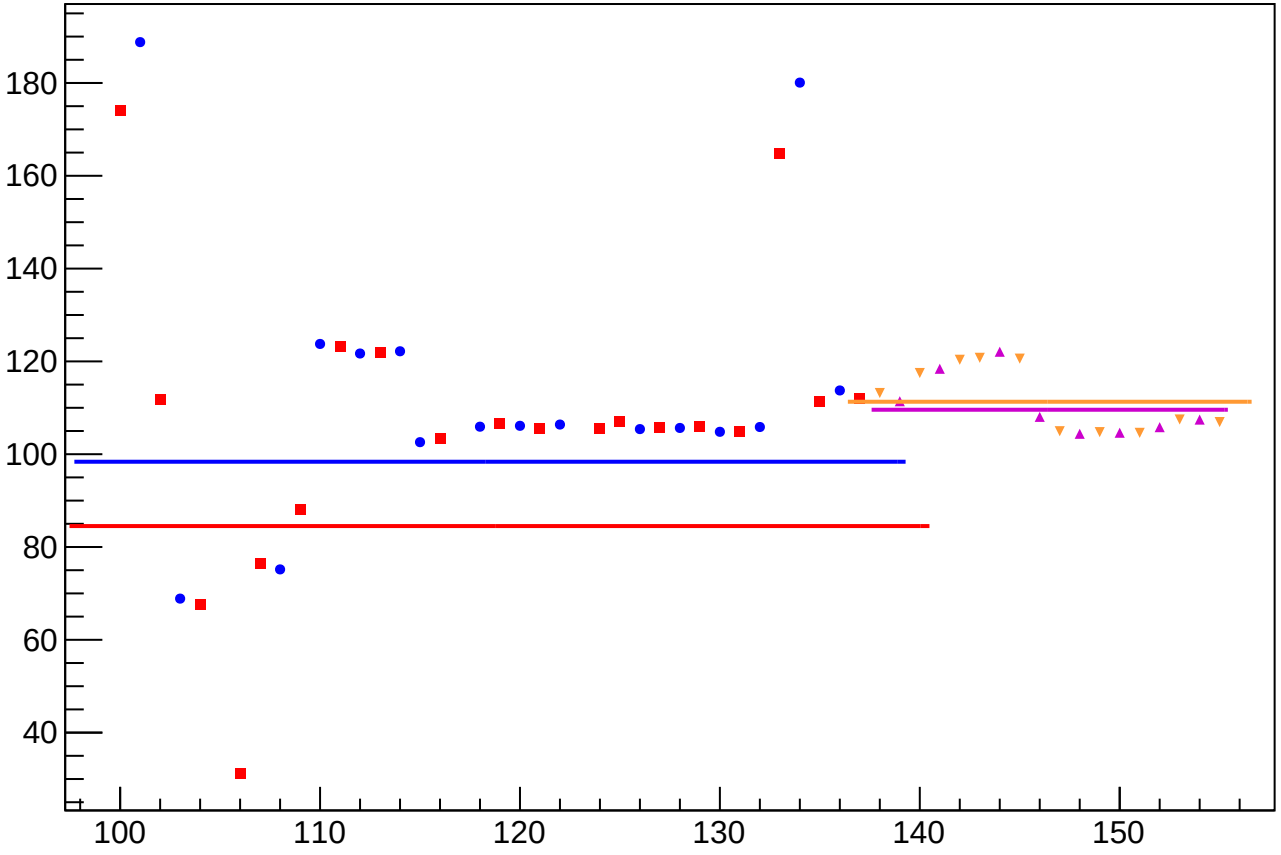
Left In: -43.759+/-1.081 χ^2/NDF:55.5/7

+ sign -54.662+/-0.786 χ^2/NDF: 905.4/25

All: -52.804+/-0.560 χ^2/NDF: 1862.6/52

- sign -50.885+/-0.799 χ^2/NDF: 945.8/26

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 111.306+/-0.050 χ^2/NDF:18194.9/9

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

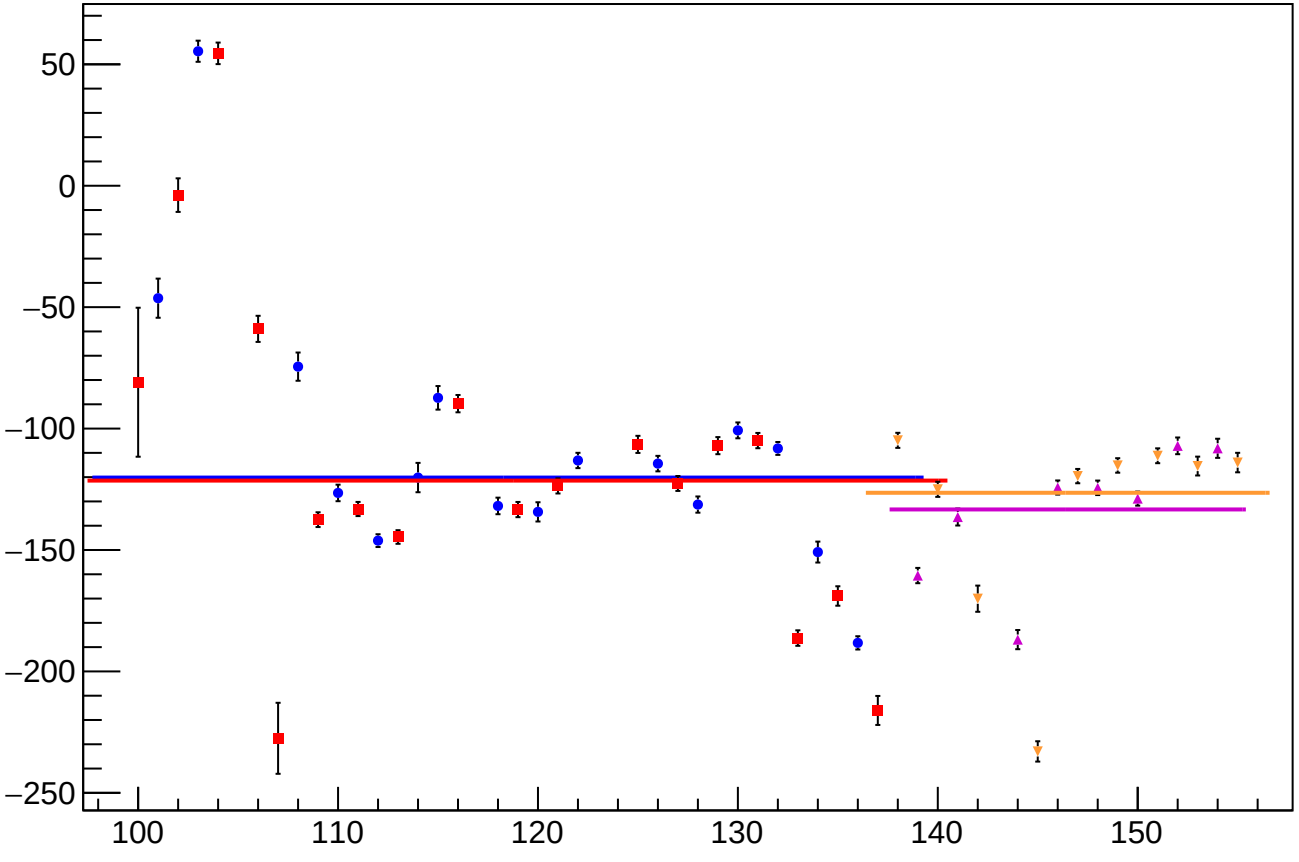
Left In: 109.581+/-0.052 χ^2/NDF:12860.6/7

+ sign 106.644+/-0.040 χ^2/NDF: 271120.4/25

All: 102.768+/-0.028 χ^2/NDF: 670149.2/52

- sign 98.912+/-0.040 χ^2/NDF: 379972.5/26

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -126.437+/-1.146 χ^2/NDF:823.4/8

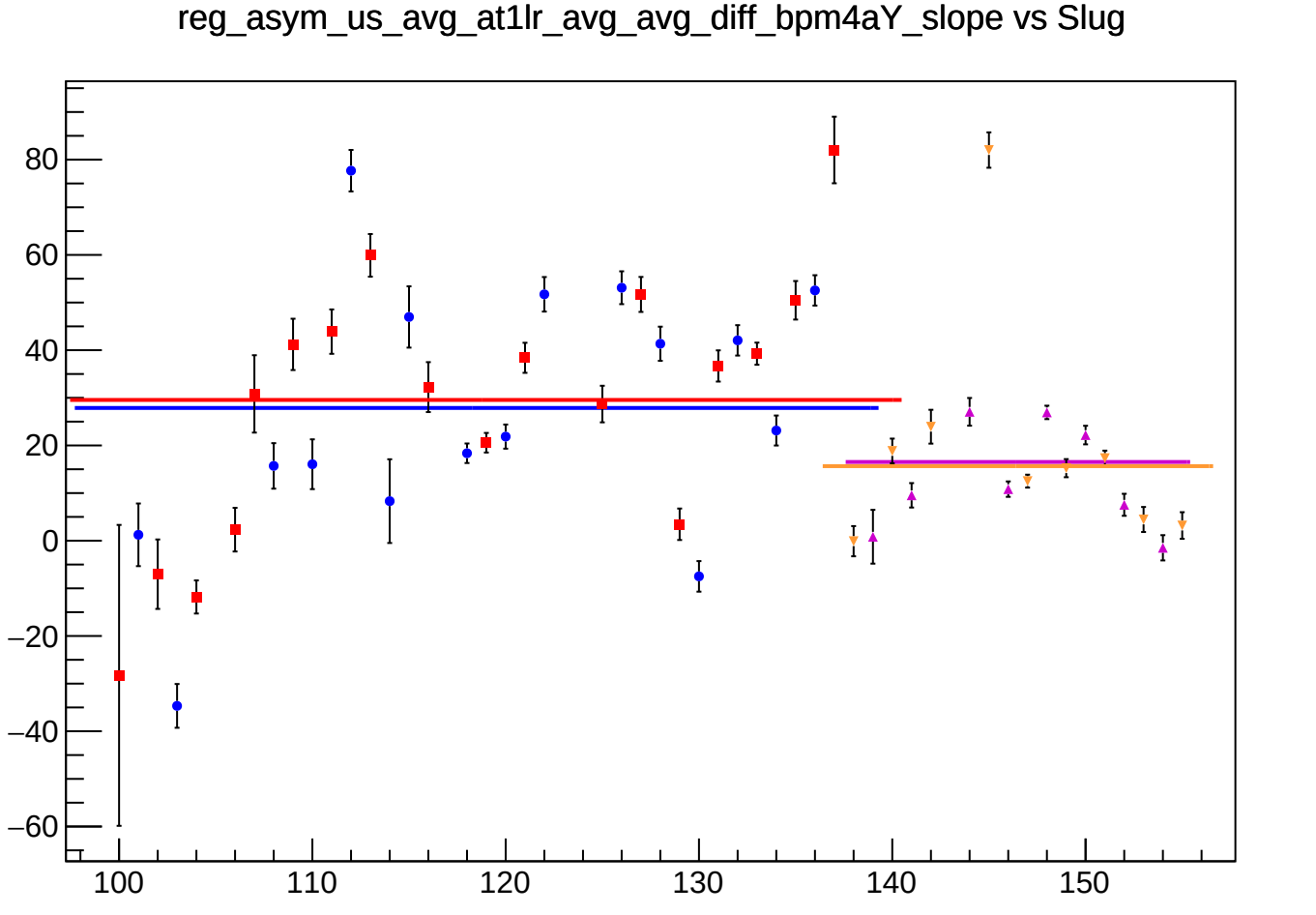
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -133.301+/-1.159 χ^2/NDF:379.4/7

+ sign -122.534+/-0.703 χ^2/NDF: 3533.2/24

All: -124.145+/-0.496 χ^2/NDF: 7116.3/50

- sign -125.734+/-0.698 χ^2/NDF: 3572.7/25



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 15.653+/-0.727 χ^2/NDF:395.4/8

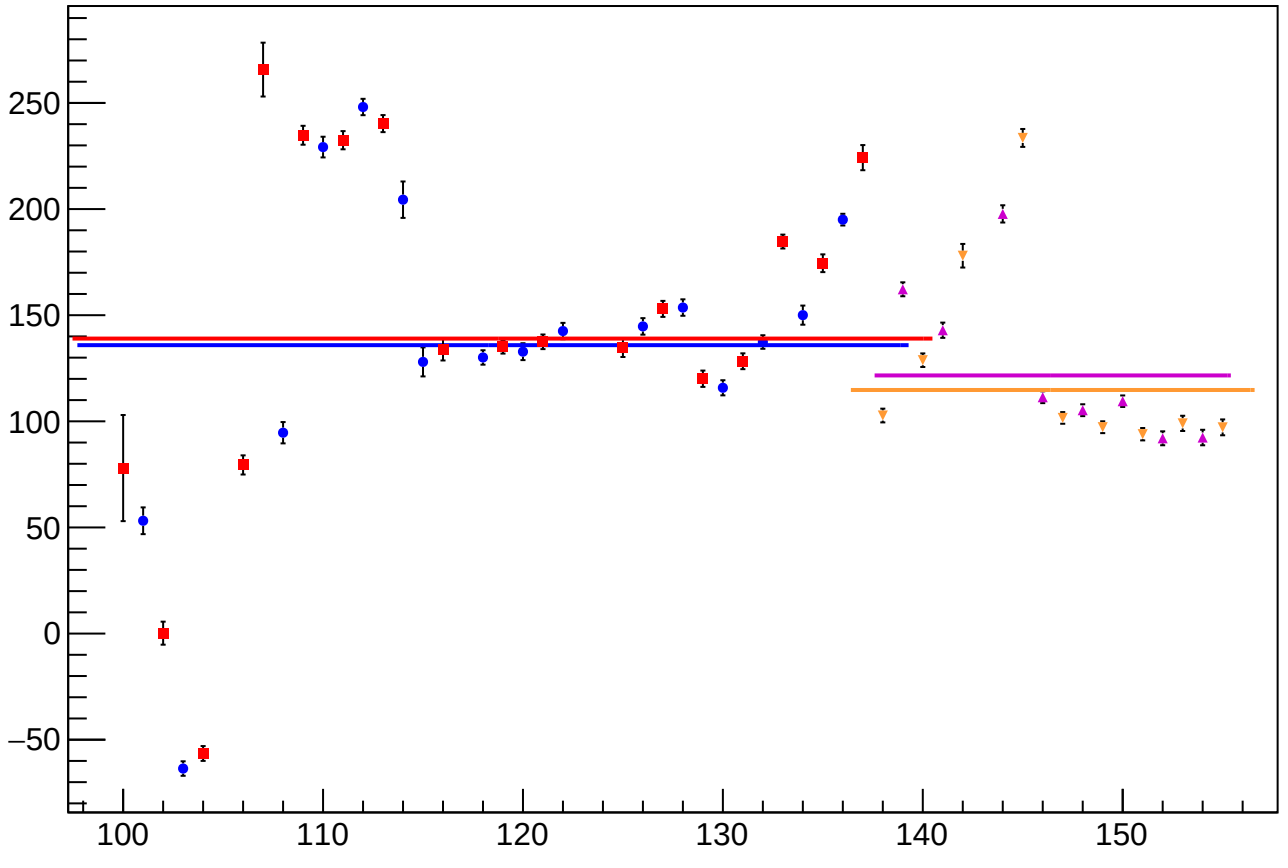
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 16.528+/-0.750 χ^2/NDF:164.9/7

\+ sign 20.557+/-0.563 χ^2/NDF: 1208.3/24

All: 21.234+/-0.402 χ^2/NDF: 1999.0/50

\- sign 21.936+/-0.573 χ^2/NDF: 787.7/25



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 114.766+/-1.112 χ^2/NDF:1109.1/8

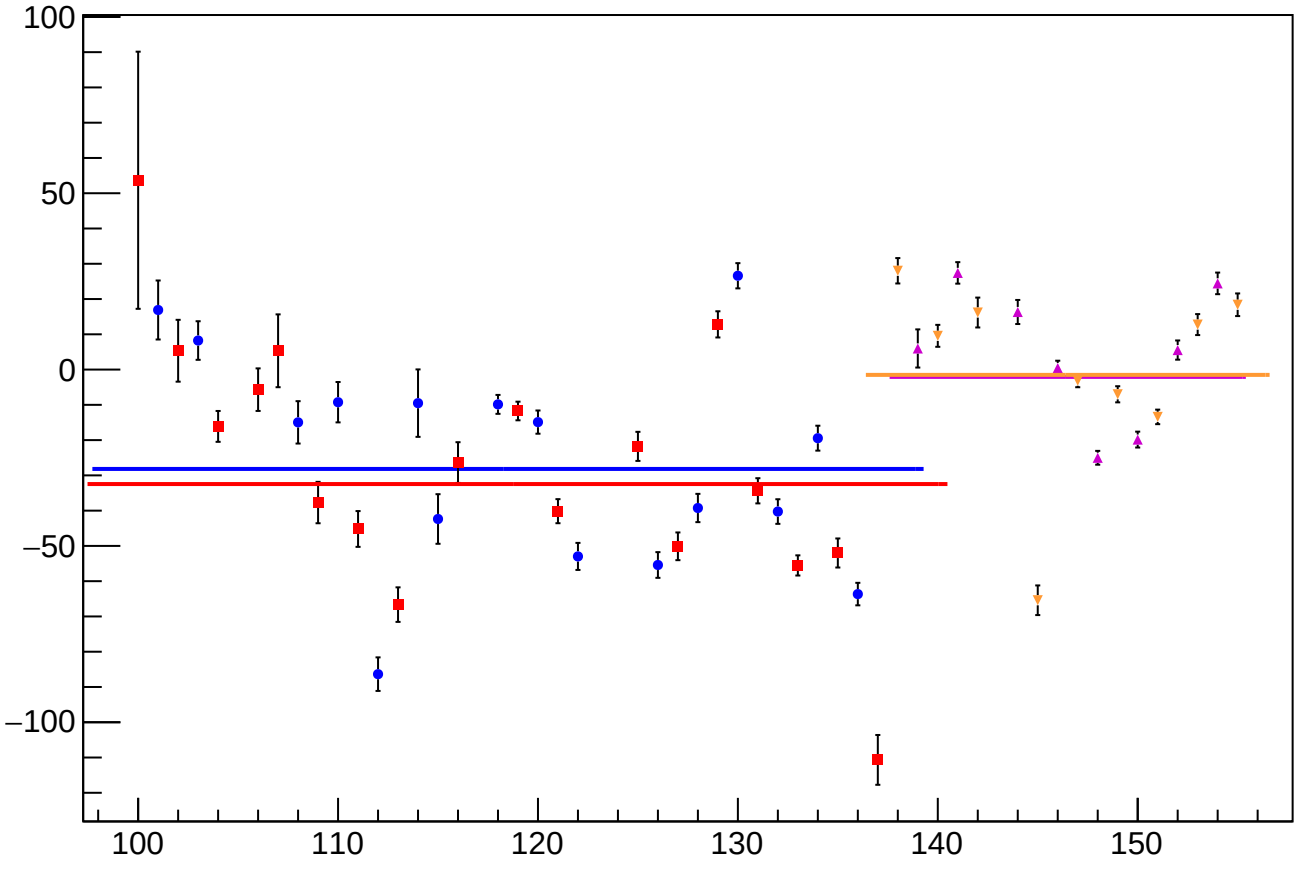
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 121.619+/-1.124 χ^2/NDF:751.9/7

+ sign 126.453+/-0.743 χ^2/NDF: 6772.5/24

All: 128.878+/-0.527 χ^2/NDF: 13835.7/50

- sign 131.327+/-0.746 χ^2/NDF: 7041.7/25



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -1.506+/-0.906 χ^2/NDF:429.9/8

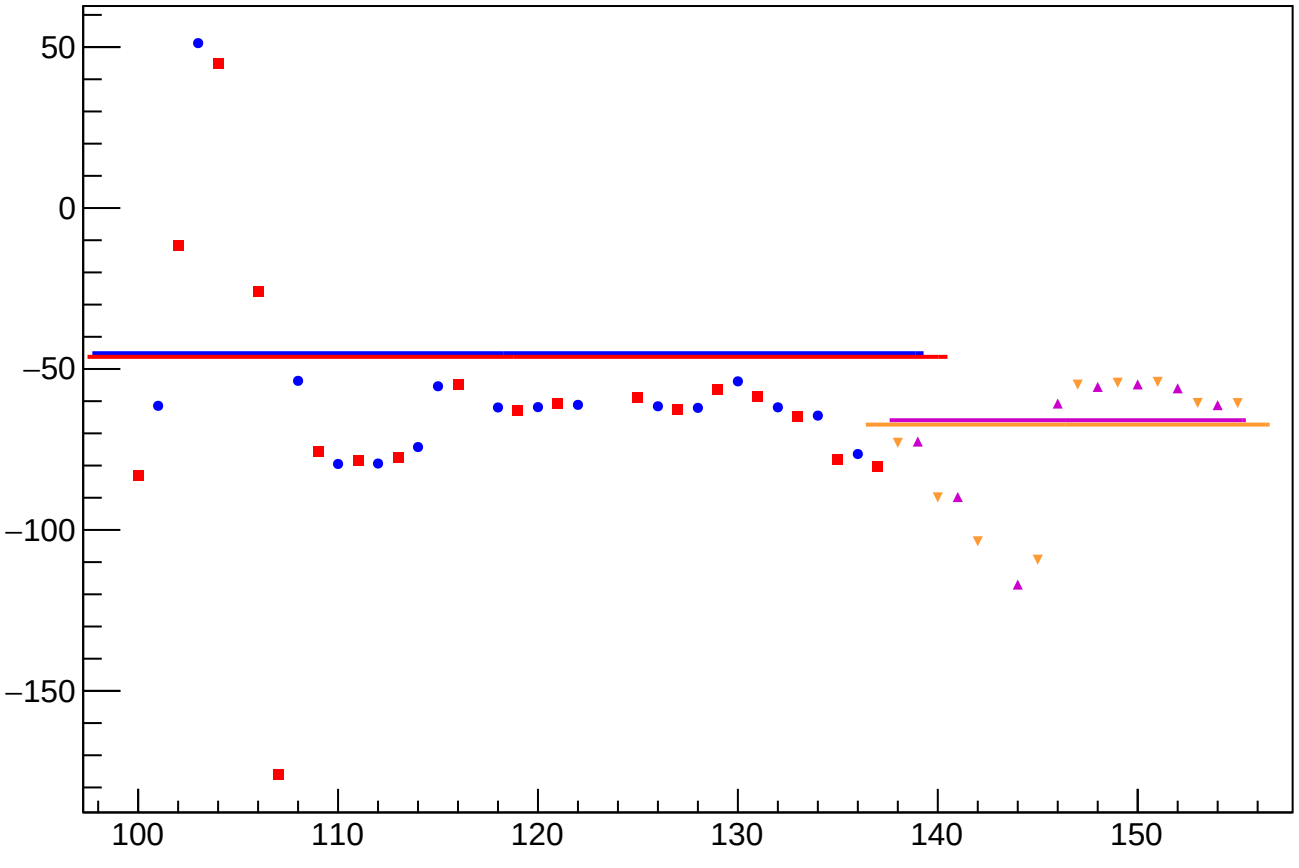
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.075+/-0.928 χ^2/NDF:408.4/7

+ sign -13.234+/-0.678 χ^2/NDF: 1602.4/24

All: -14.463+/-0.483 χ^2/NDF: 3079.9/50

- sign -15.731+/-0.689 χ^2/NDF: 1470.8/25



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -67.275+/-0.044 χ^2/NDF:157989.7/8

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

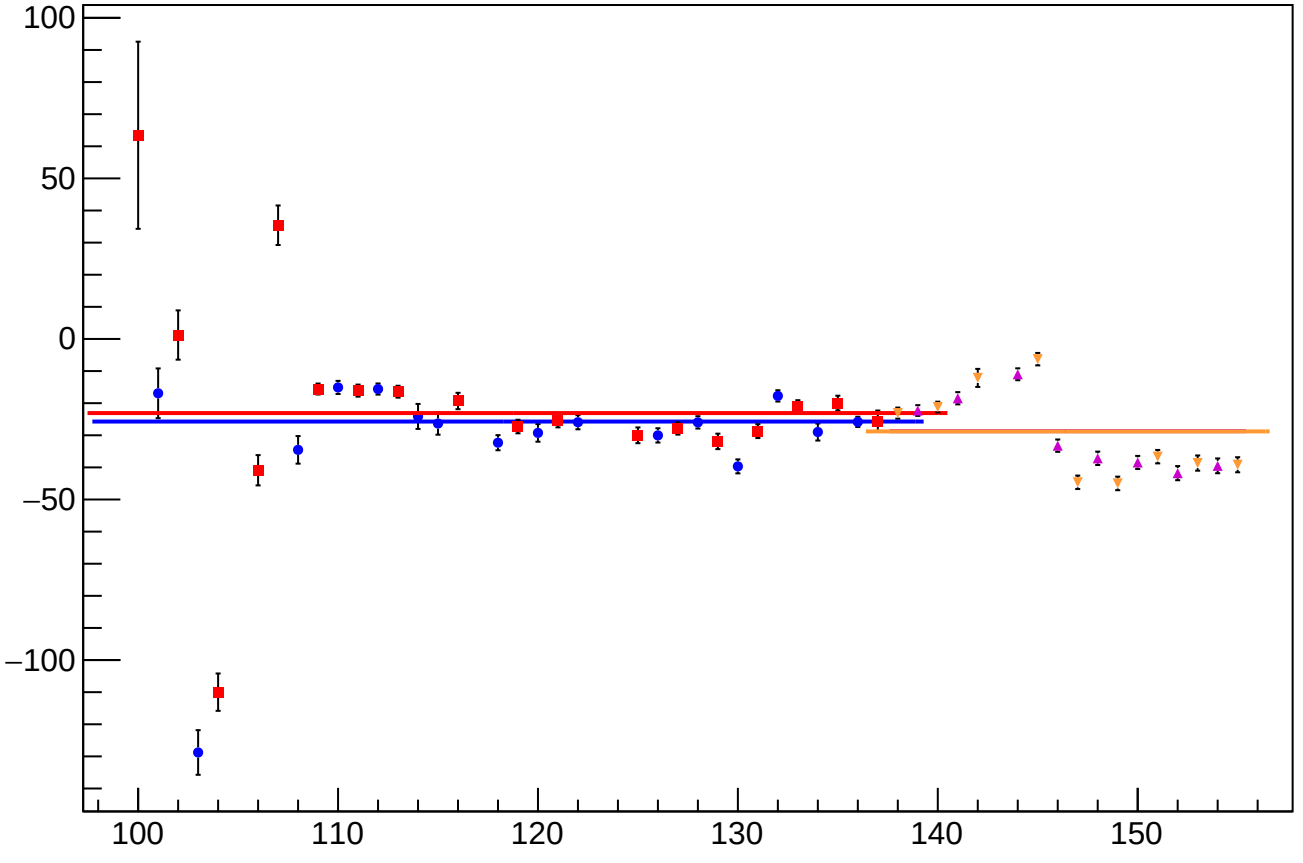
Left In: -65.926+/-0.044 χ^2/NDF:136690.2/7

+ sign -59.494+/-0.036 χ^2/NDF: 821378.8/24

All: -59.459+/-0.025 χ^2/NDF: 1518037.5/50

- sign -59.424+/-0.036 χ^2/NDF: 696656.7/25

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: -28.795+/-0.687 χ^2/NDF:367.6/8

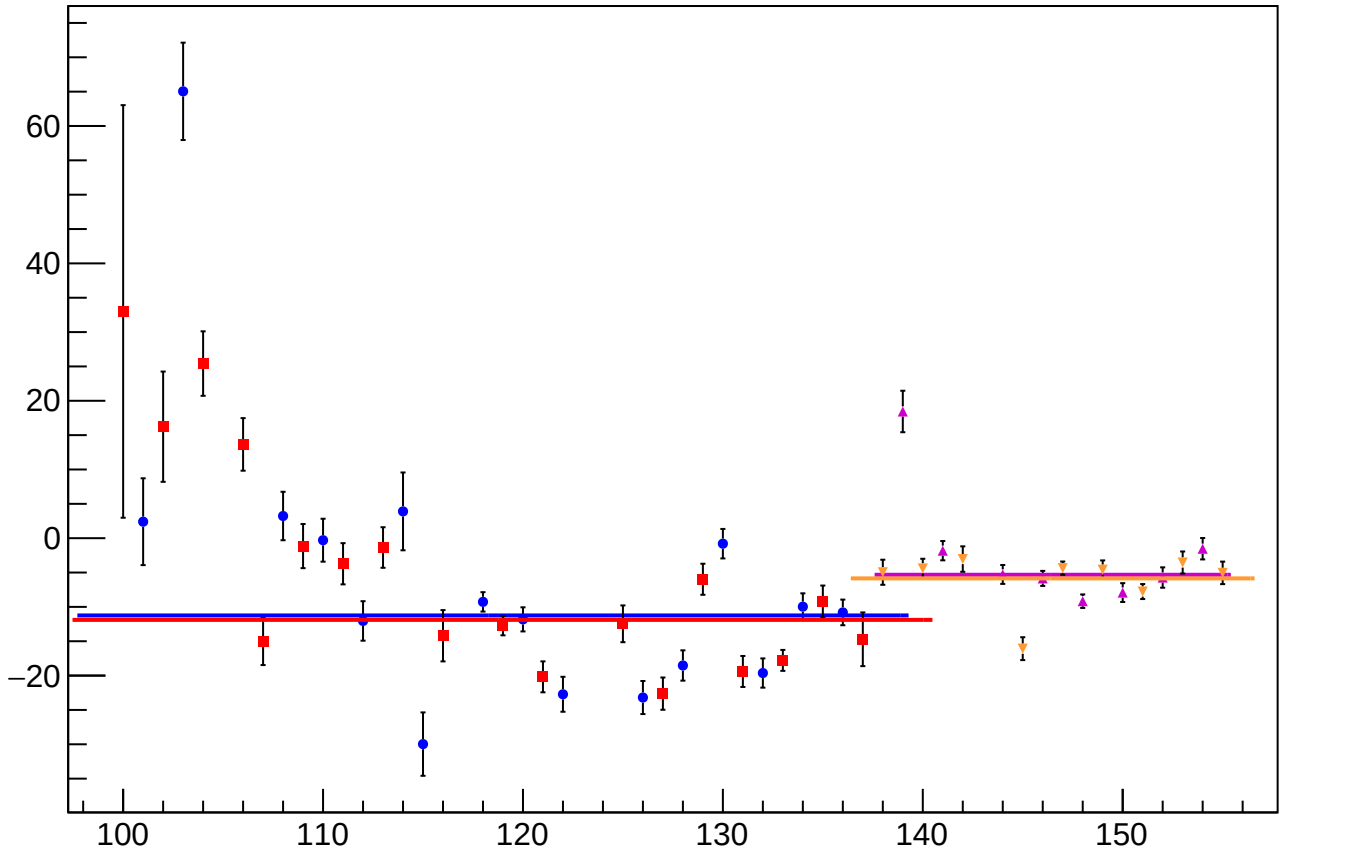
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -28.712+/-0.697 χ^2/NDF:236.6/7

+ sign -27.026+/-0.448 χ^2/NDF: 742.1/24

All: -26.208+/-0.316 χ^2/NDF: 1460.9/50

- sign -25.393+/-0.447 χ^2/NDF: 712.2/25



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.852+/-0.462 χ^2/NDF:50.0/8

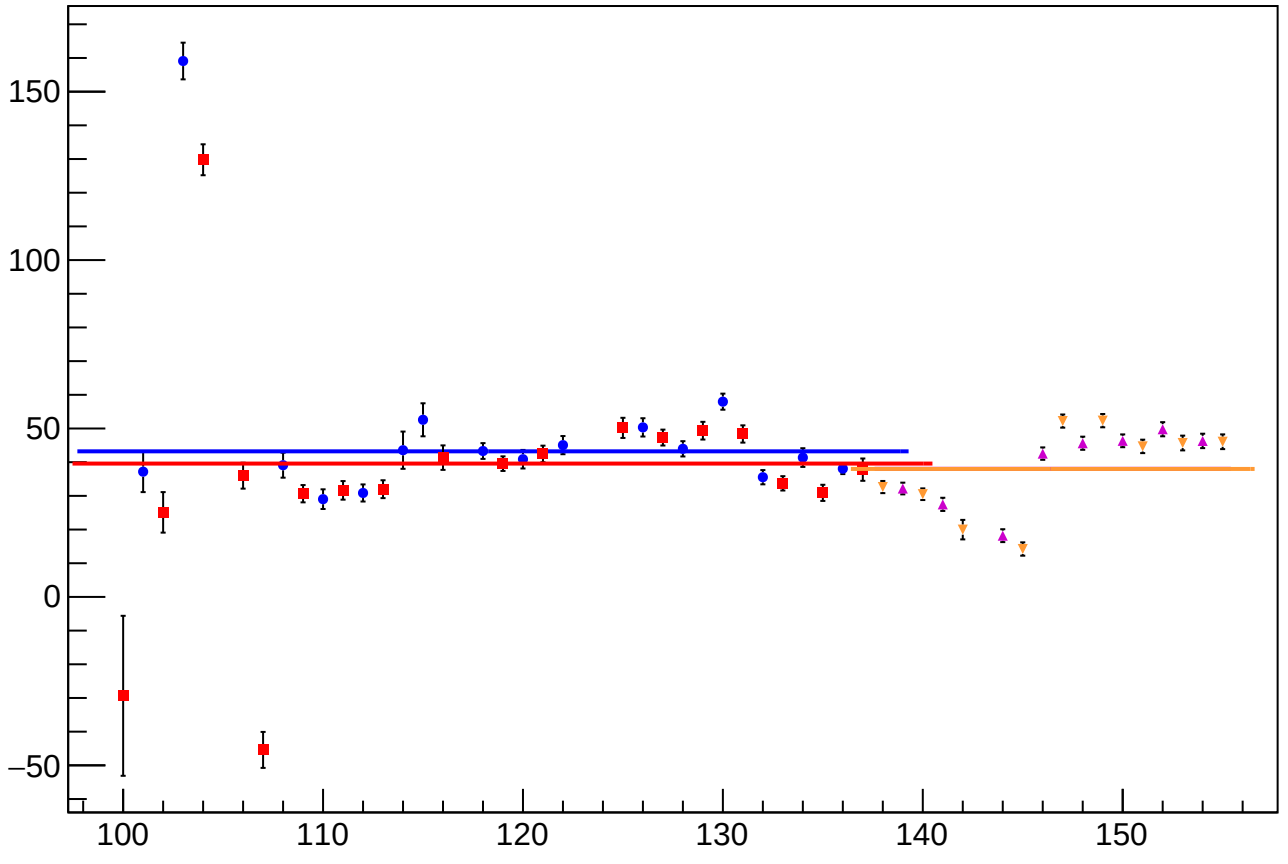
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.325+/-0.476 χ^2/NDF:93.3/7

+ sign -7.861+/-0.366 χ^2/NDF: 371.8/24

All: -7.844+/-0.262 χ^2/NDF: 762.0/50

- sign -7.826+/-0.375 χ^2/NDF: 390.2/25



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 37.994+/-0.674 χ^2/NDF:353.2/8

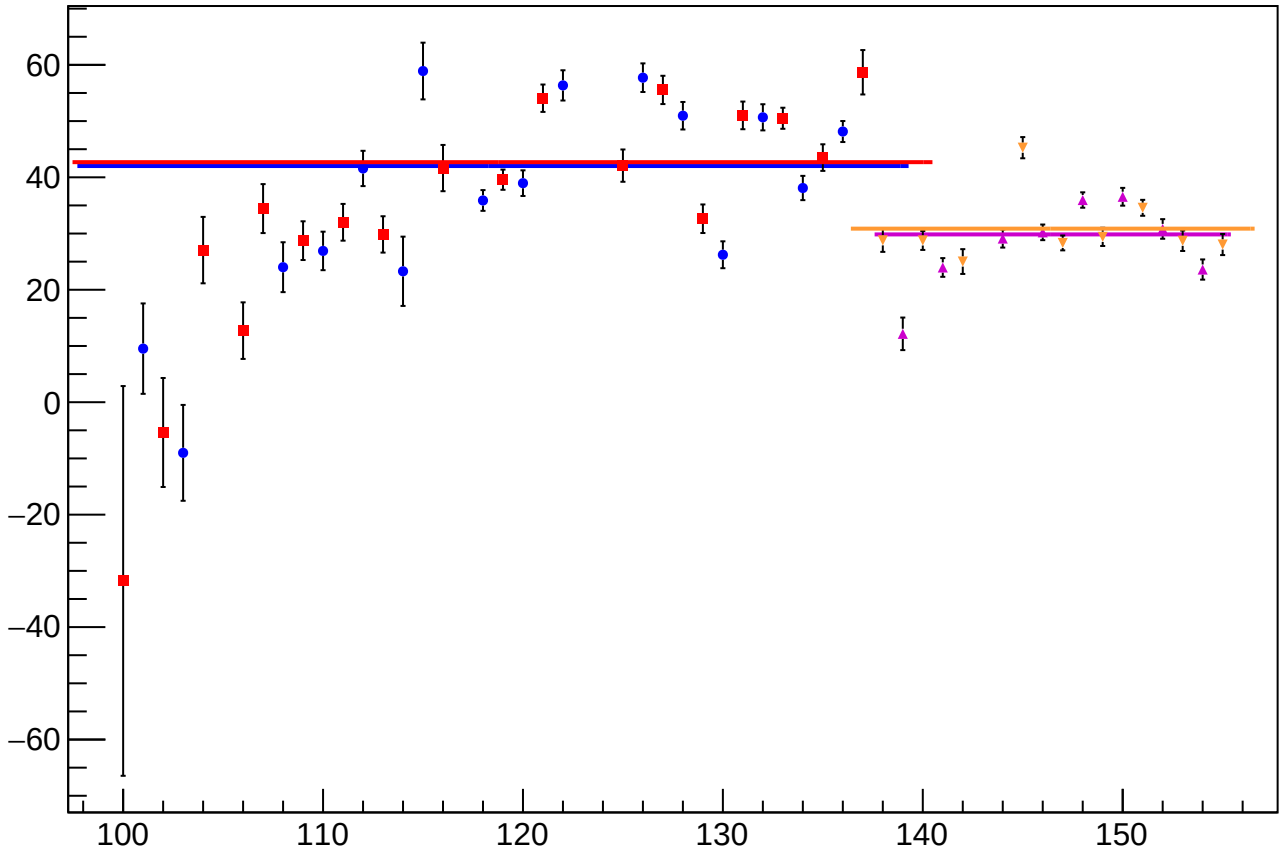
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 38.027+/-0.683 χ^2/NDF:234.5/7

\+ sign 40.592+/-0.478 χ^2/NDF: 959.1/24

All: 39.709+/-0.340 χ^2/NDF: 1957.1/50

\- sign 38.805+/-0.484 χ^2/NDF: 991.1/25



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 30.870+/-0.567 χ^2/NDF:83.0/8

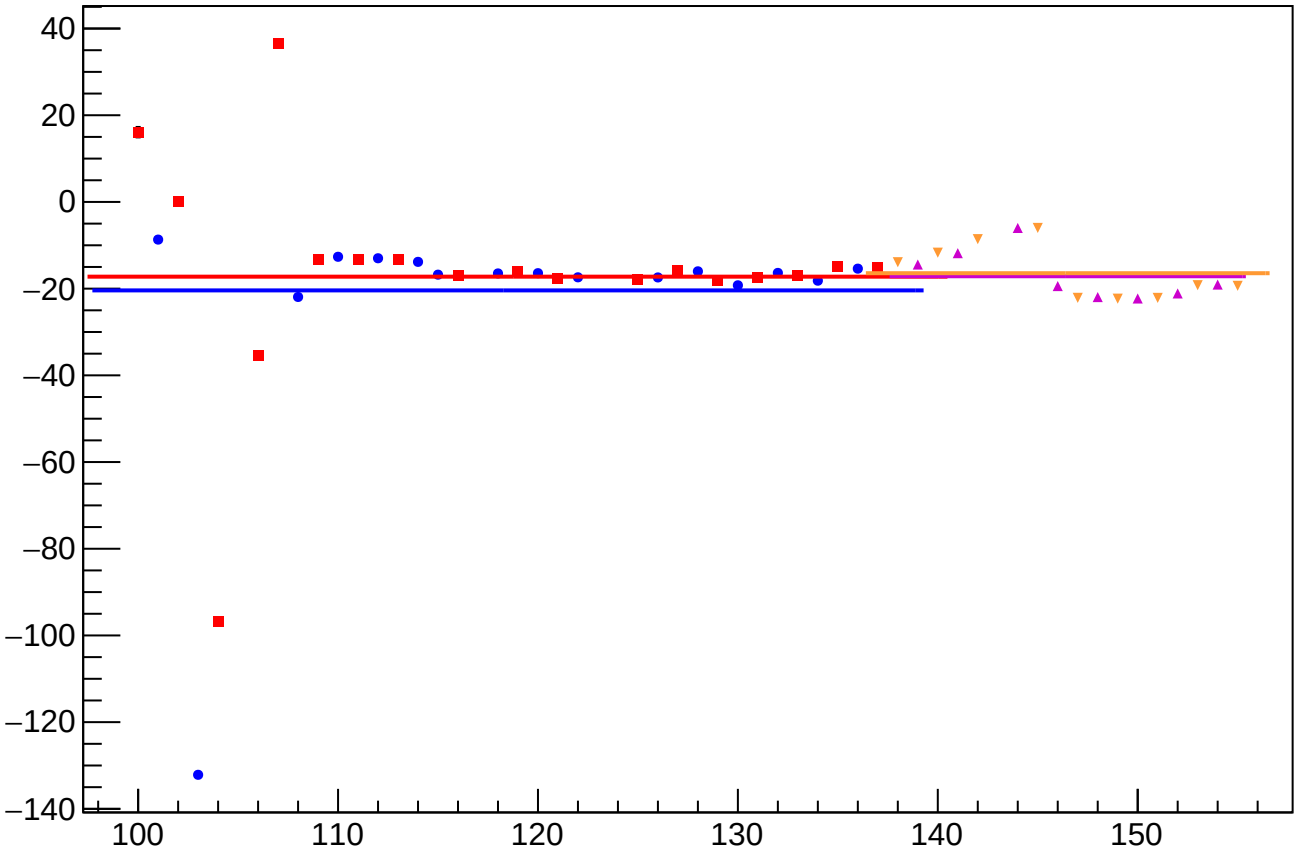
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 29.844+/-0.582 χ^2/NDF:100.3/7

\+ sign 35.406+/-0.436 χ^2/NDF: 512.9/24

All: 35.276+/-0.312 χ^2/NDF: 1044.9/50

\- sign 35.140+/-0.446 χ^2/NDF: 531.8/25



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -16.439+/-0.027 χ^2/NDF:44983.8/8

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

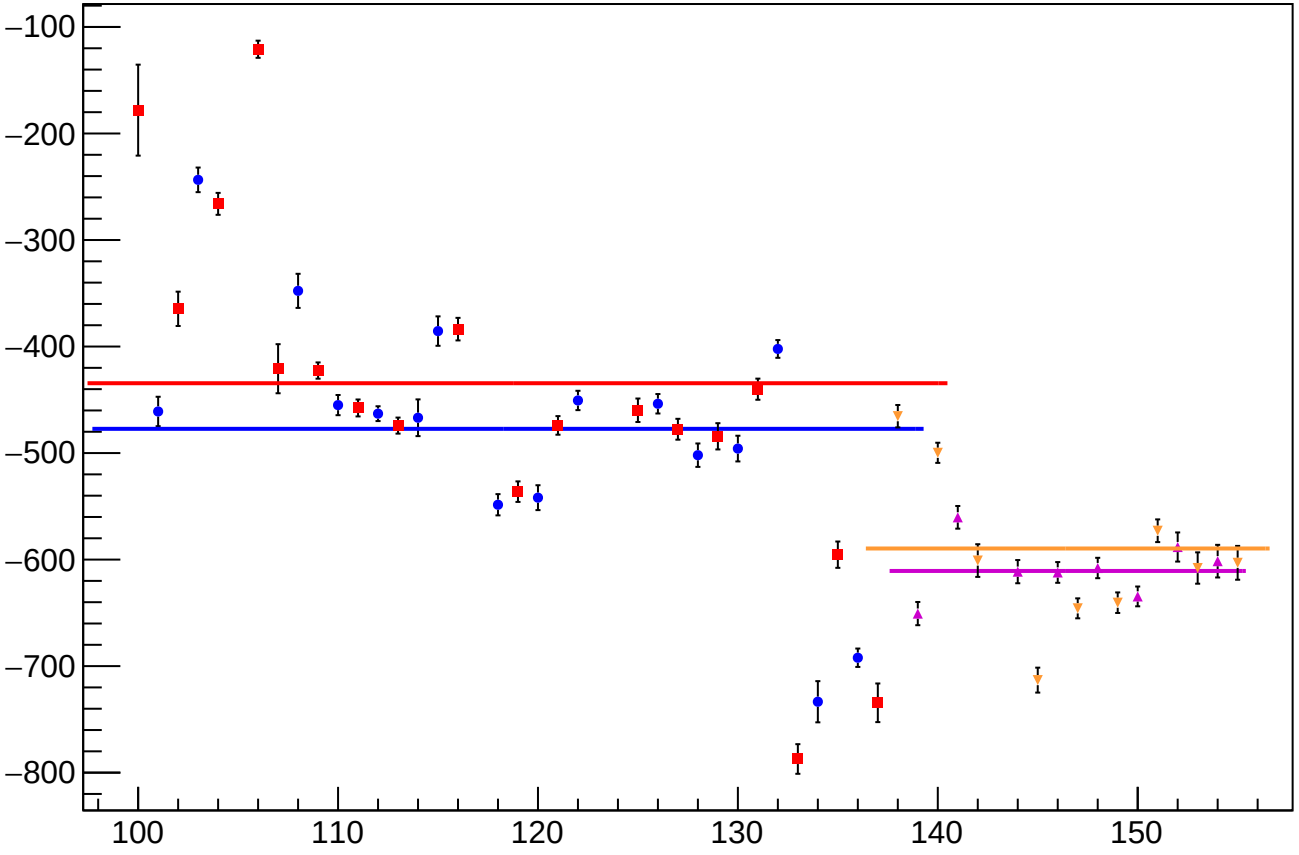
Left In: -17.141+/-0.027 χ^2/NDF:35812.6/7

+ sign -17.579+/-0.022 χ^2/NDF: 296976.3/24

All: -17.376+/-0.016 χ^2/NDF: 537615.6/50

- sign -17.167+/-0.023 χ^2/NDF: 240473.3/25

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: -589.586+/-3.745 χ^2/NDF:410.1/8

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

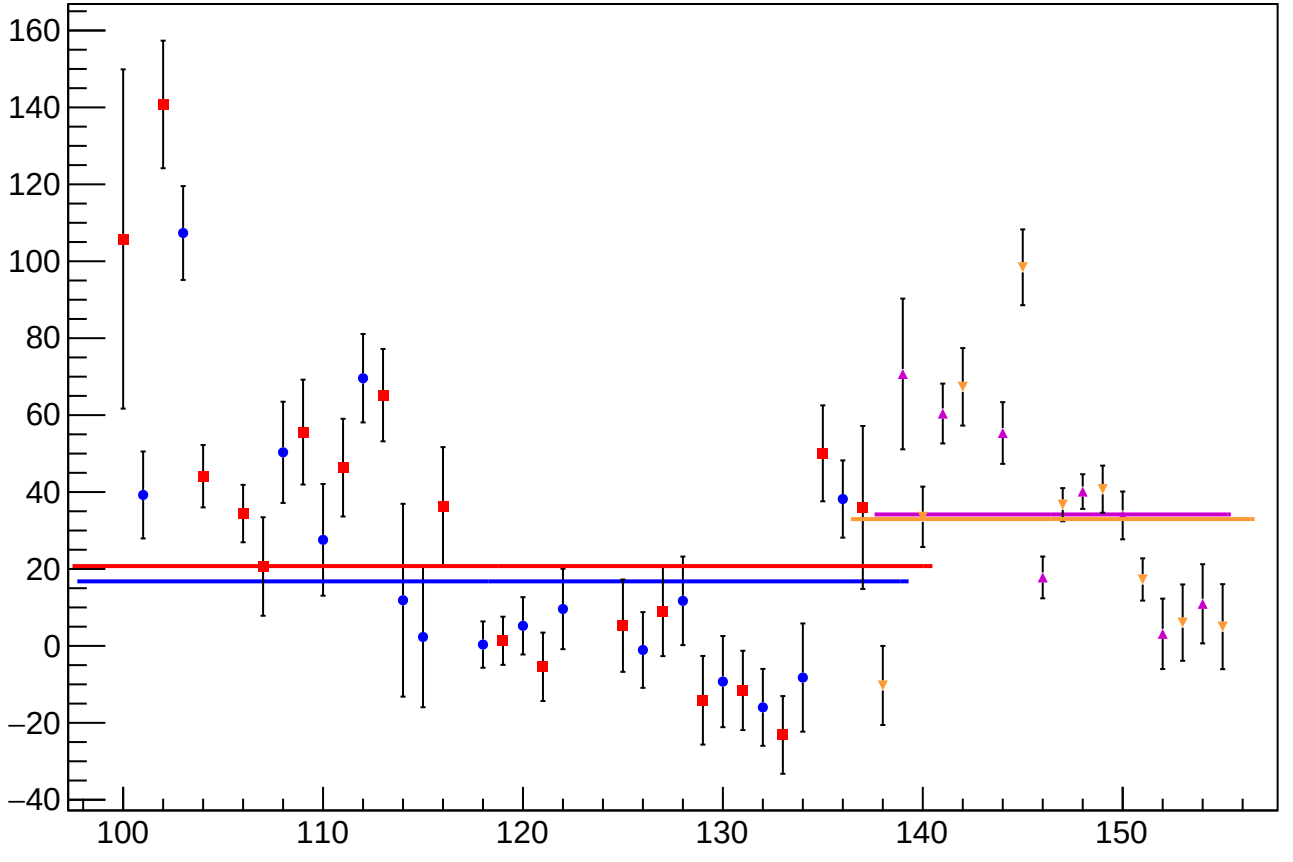
Left In: -610.669+/-3.825 χ^2/NDF:45.6/7

+ sign -514.411+/-2.154 χ^2/NDF: 2522.9/24

All: -499.711+/-1.493 χ^2/NDF: 7320.4/50

- sign -486.118+/-2.071 χ^2/NDF: 4707.9/25

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 32.970+/-2.371 χ^2/NDF:97.8/8

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

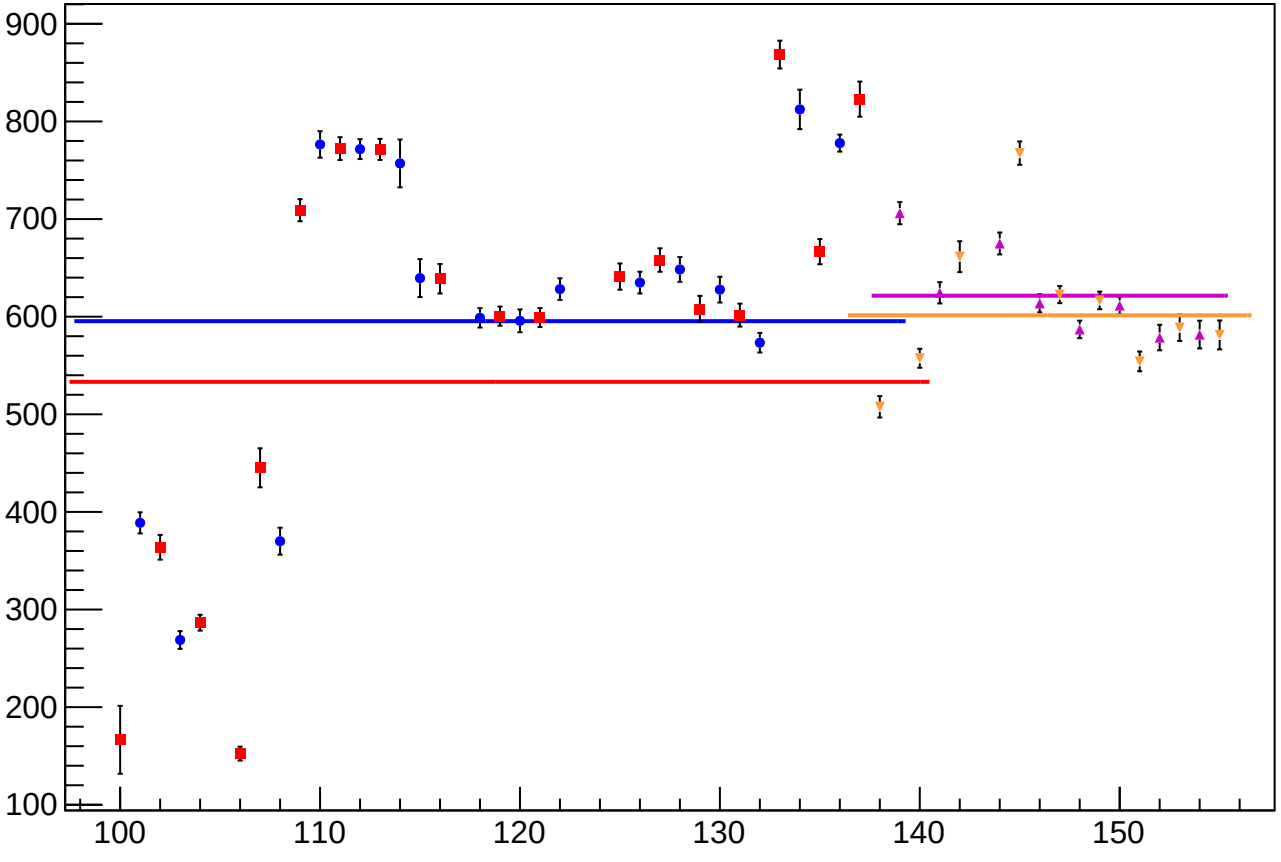
Left In: 34.176+/-2.461 χ^2/NDF:49.3/7

+ sign 25.786+/-1.768 χ^2/NDF: 243.5/24

All: 26.740+/-1.251 χ^2/NDF: 465.6/50

- sign 27.697+/-1.770 χ^2/NDF: 221.6/25

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 601.417+/-3.651 χ^2/NDF:334.0/8

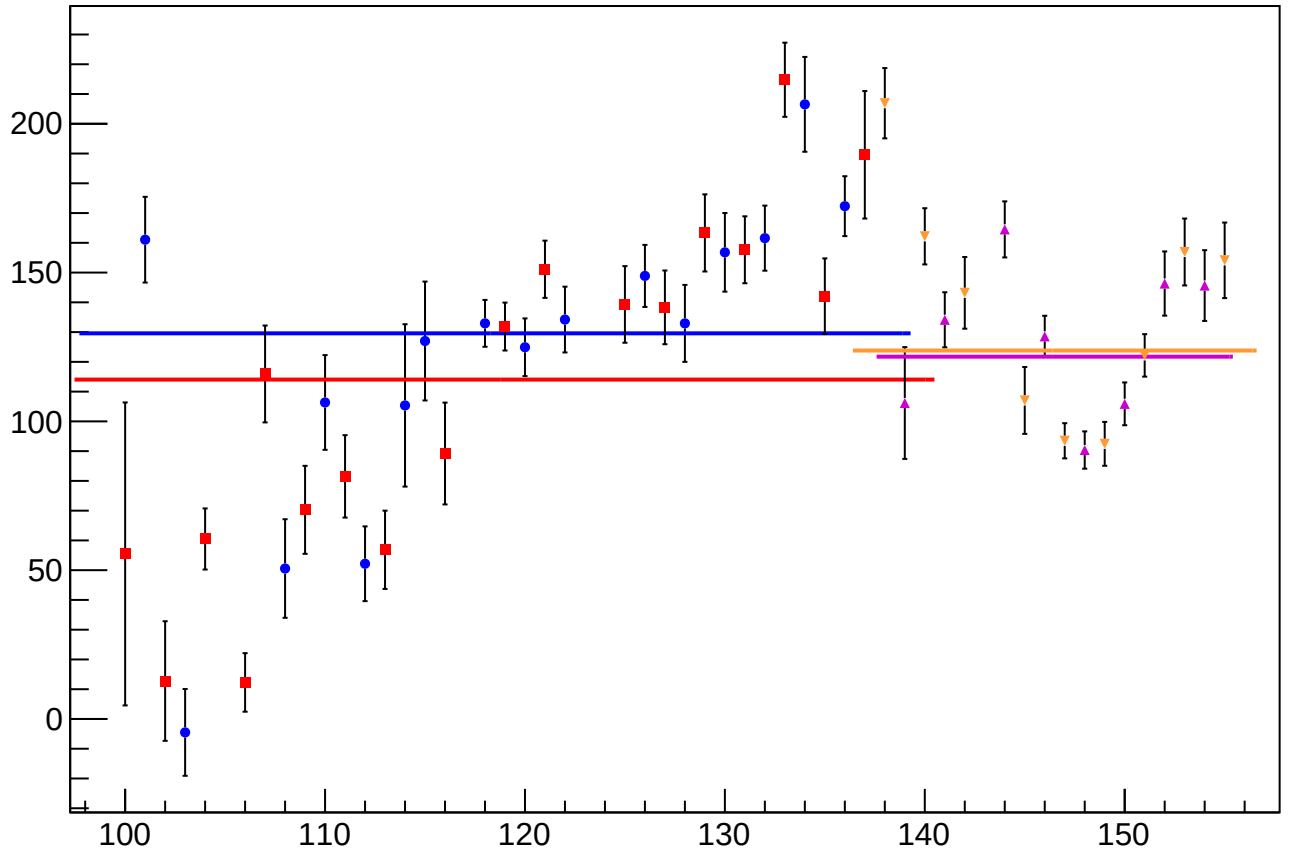
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 621.507+/-3.721 χ^2/NDF:113.7/7

+ sign 597.760+/-2.285 χ^2/NDF: 3395.4/24

All: 580.514+/-1.588 χ^2/NDF: 10486.1/50

- sign 564.389+/-2.210 χ^2/NDF: 6980.5/25



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 123.799+/-2.962 χ^2/NDF:129.7/8

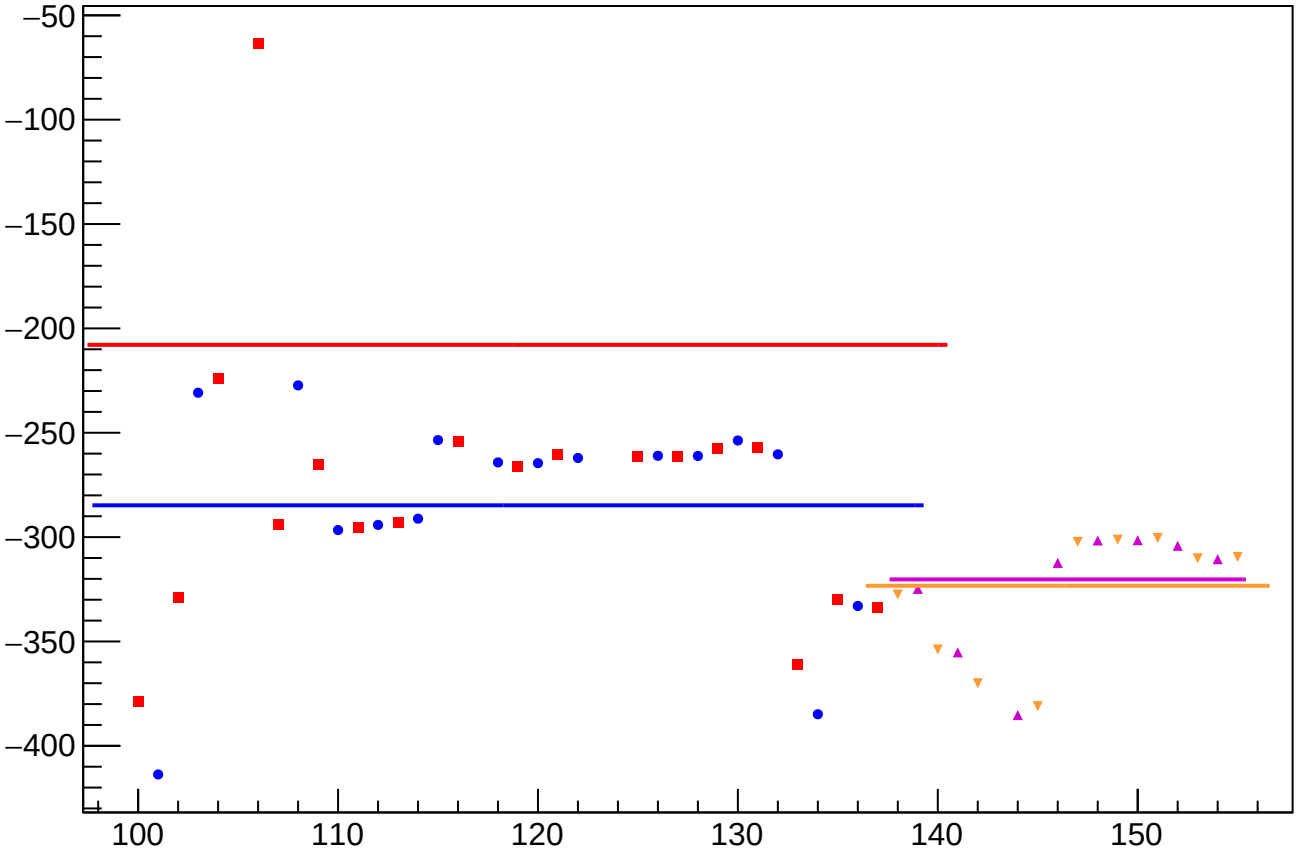
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 121.746+/-3.056 χ^2/NDF:63.2/7

\+ sign 126.578+/-2.135 χ^2/NDF: 342.8/24

All: 122.181+/-1.509 χ^2/NDF: 753.6/50

\- sign 117.796+/-2.132 χ^2/NDF: 402.4/25



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -323.313+/-0.148 χ^2/NDF:36135.6/8

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

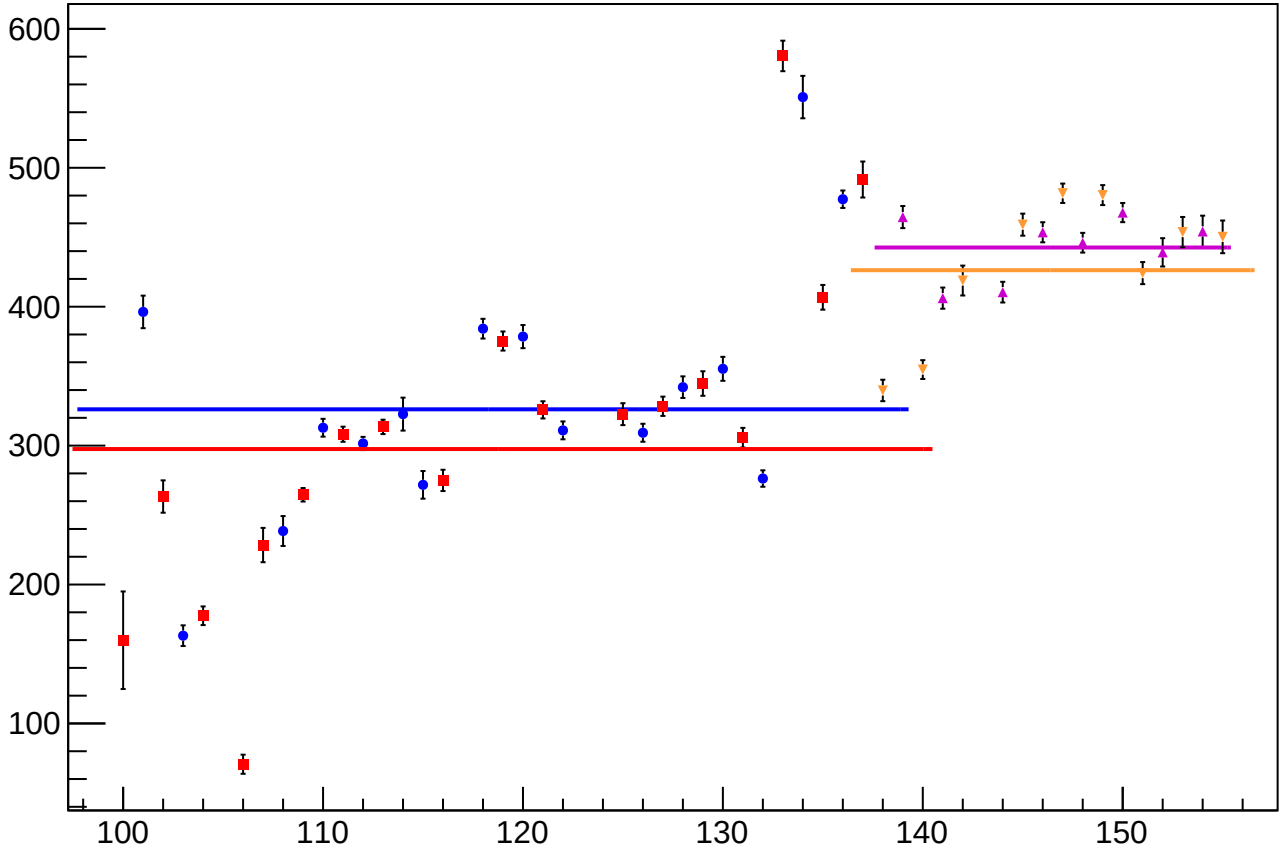
Left In: -320.270+/-0.148 χ^2/NDF:30408.5/7

+ sign -307.503+/-0.114 χ^2/NDF: 168310.1/24

All: -284.257+/-0.077 χ^2/NDF: 1099988.6/50

- sign -264.488+/-0.105 χ^2/NDF: 854336.7/25

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: 426.273+/-2.727 χ^2/NDF:385.0/8

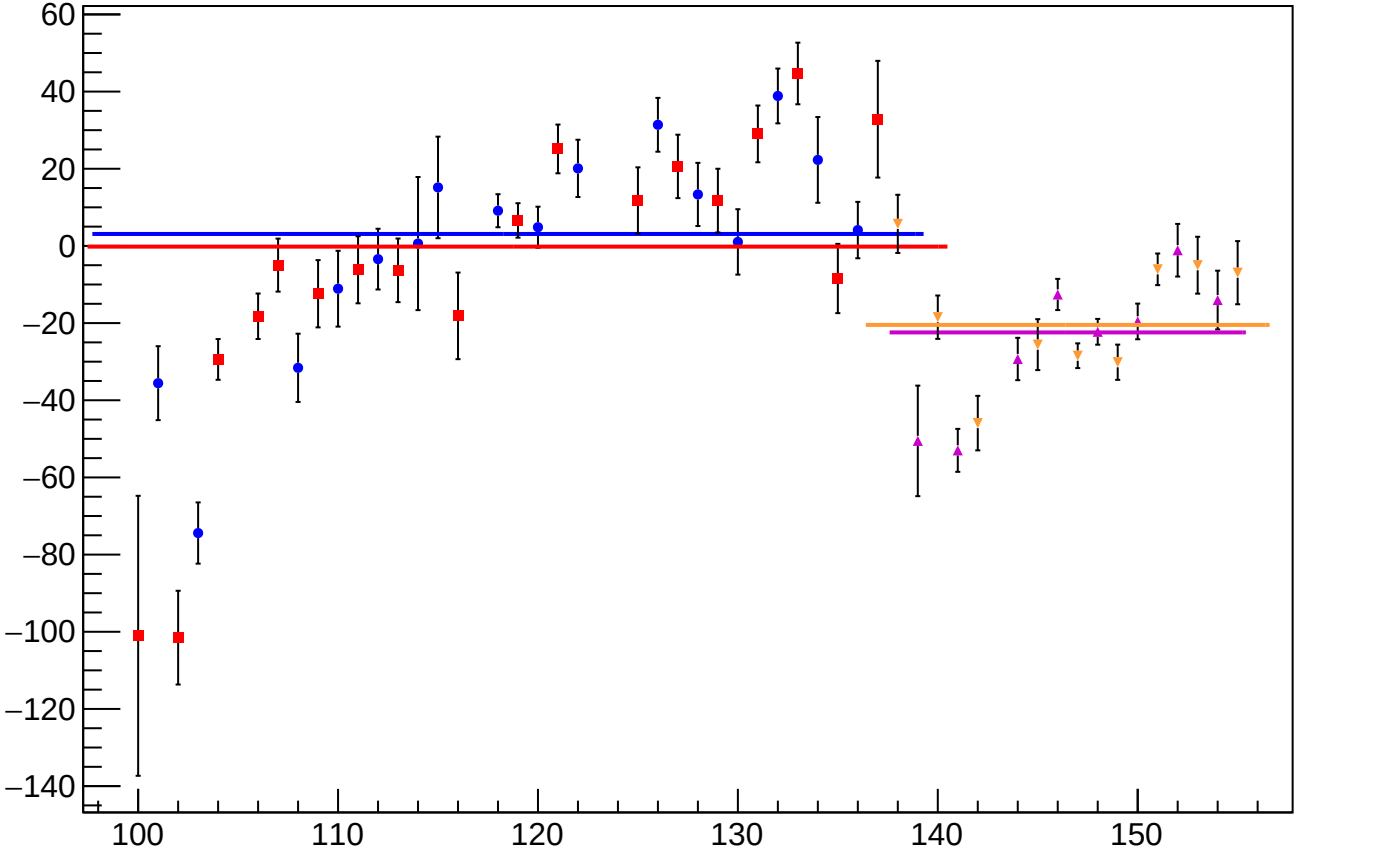
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 442.620+/-2.791 χ^2/NDF:66.1/7

\+ sign 357.860+/-1.535 χ^2/NDF: 2949.5/24

All: 347.509+/-1.063 χ^2/NDF: 7828.0/50

\- sign 337.971+/-1.473 χ^2/NDF: 4791.1/25



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -20.471+/-1.739 χ^2/NDF:56.0/8

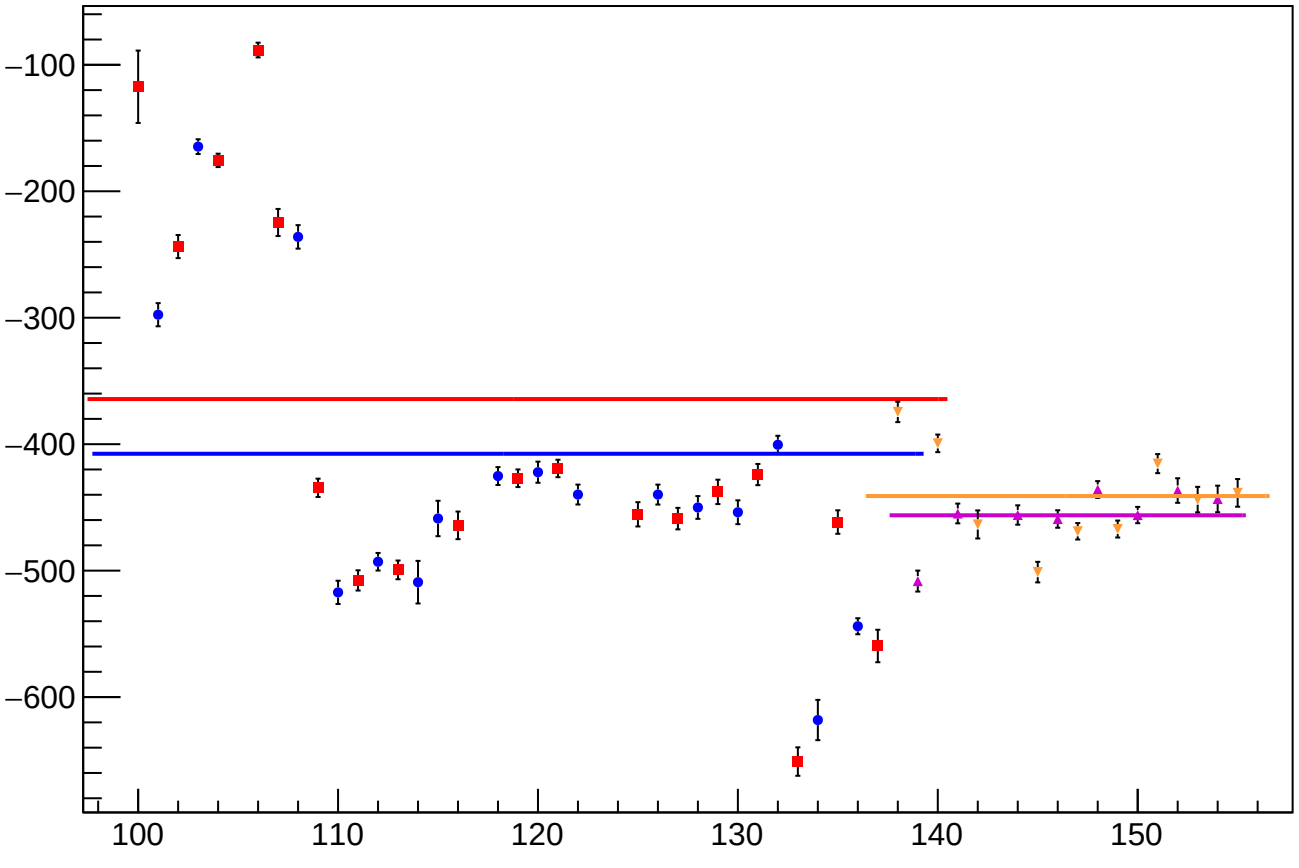
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -22.418+/-1.806 χ^2/NDF:52.8/7

+ sign -9.677+/-1.280 χ^2/NDF: 324.6/24

All: -10.447+/-0.902 χ^2/NDF: 659.8/50

- sign -11.206+/-1.272 χ^2/NDF: 334.5/25



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -441.018+/-2.665 χ^2/NDF:207.9/8

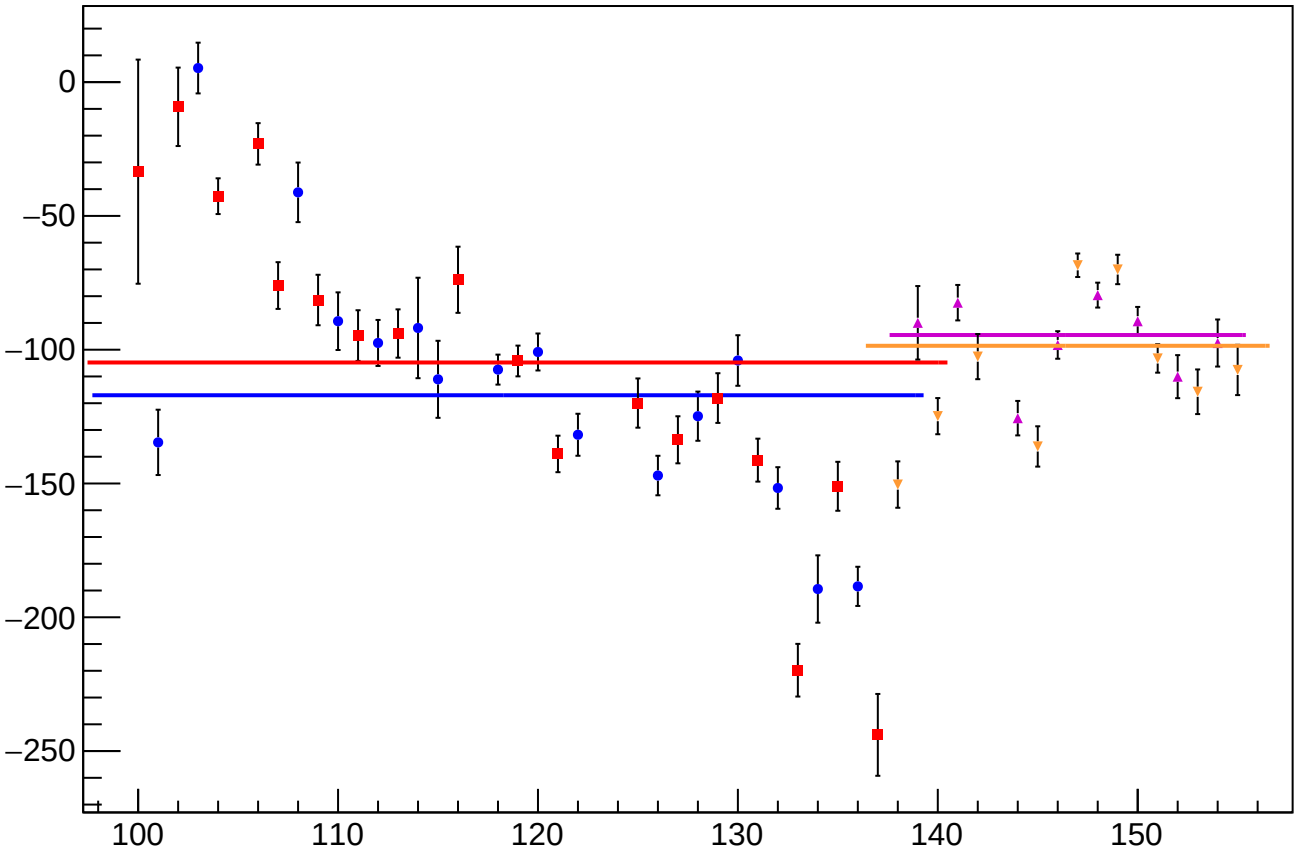
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -456.236+/-2.720 χ^2/NDF:54.5/7

+ sign -420.190+/-1.637 χ^2/NDF: 3586.6/24

All: -407.346+/-1.137 χ^2/NDF: 10736.8/50

- sign -395.363+/-1.581 χ^2/NDF: 7031.1/25



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -98.536+/-2.168 χ^2/NDF:155.9/8

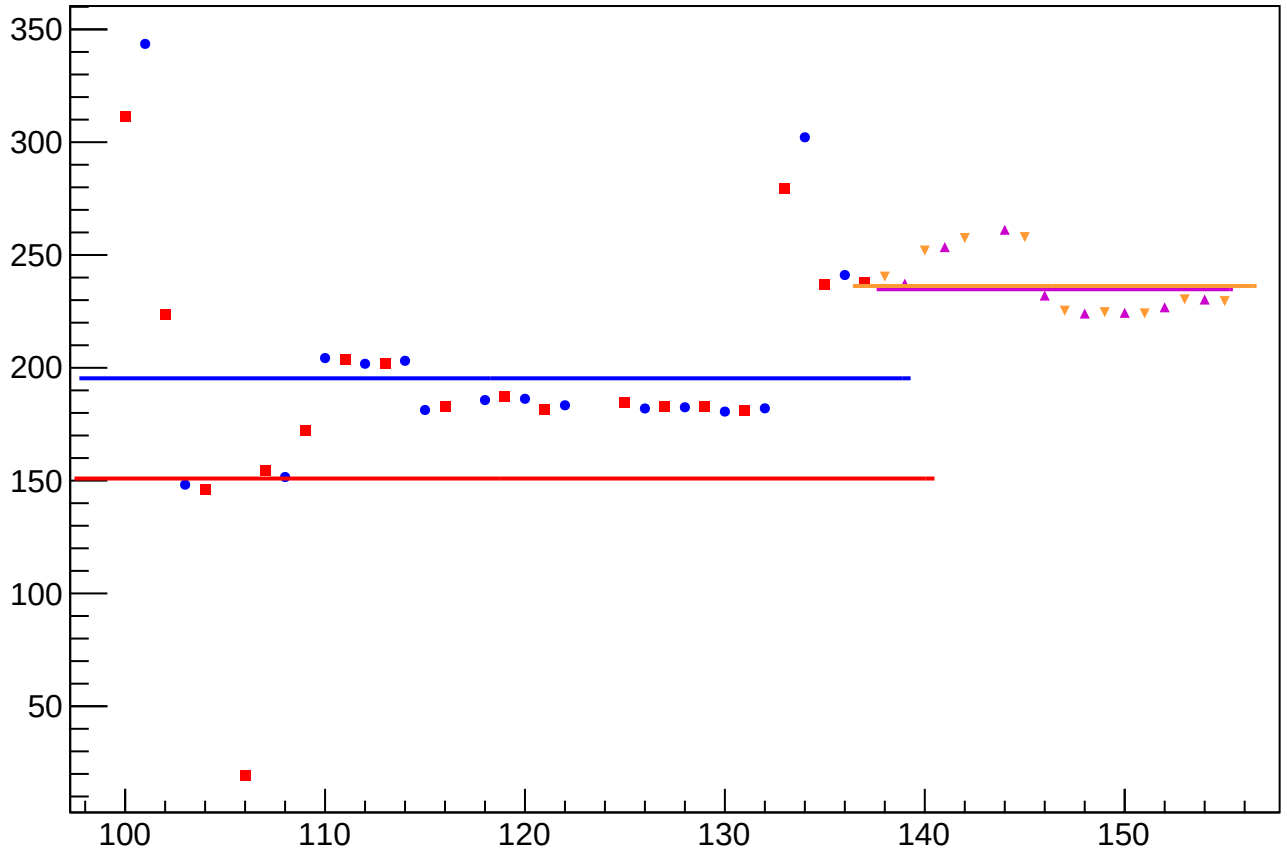
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -94.513+/-2.239 χ^2/NDF:42.3/7

+ sign -107.667+/-1.542 χ^2/NDF: 599.6/24

All: -103.797+/-1.086 χ^2/NDF: 1240.7/50

- sign -99.998+/-1.528 χ^2/NDF: 628.6/25



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 236.275+/-0.108 χ^2/NDF:14801.3/8

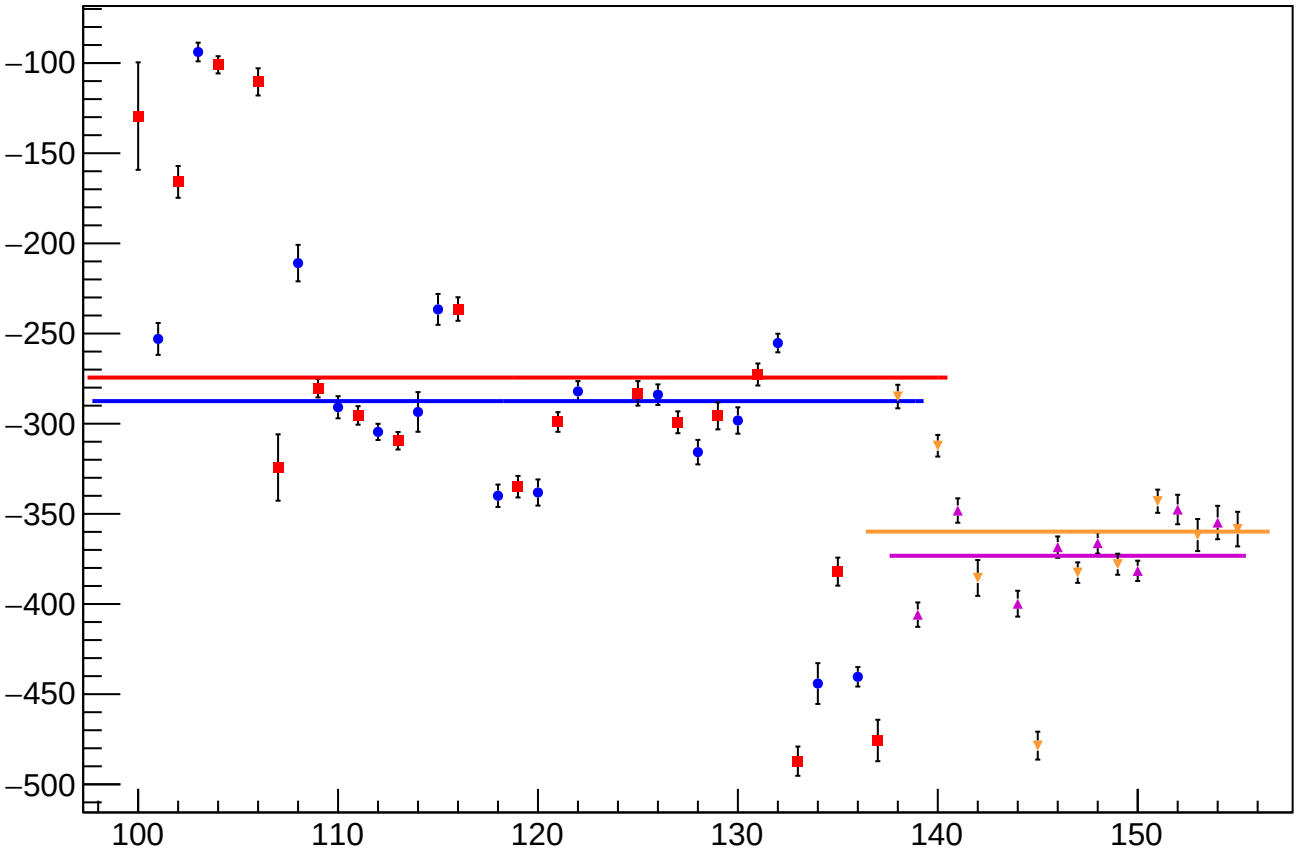
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 234.823+/-0.108 χ^2/NDF:13342.0/7

+ sign 218.704+/-0.082 χ^2/NDF: 253304.1/24

All: 205.463+/-0.056 χ^2/NDF: 1110785.4/50

- sign 193.630+/-0.077 χ^2/NDF: 807701.3/25



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.837+/-2.319 χ^2/NDF:469.3/8

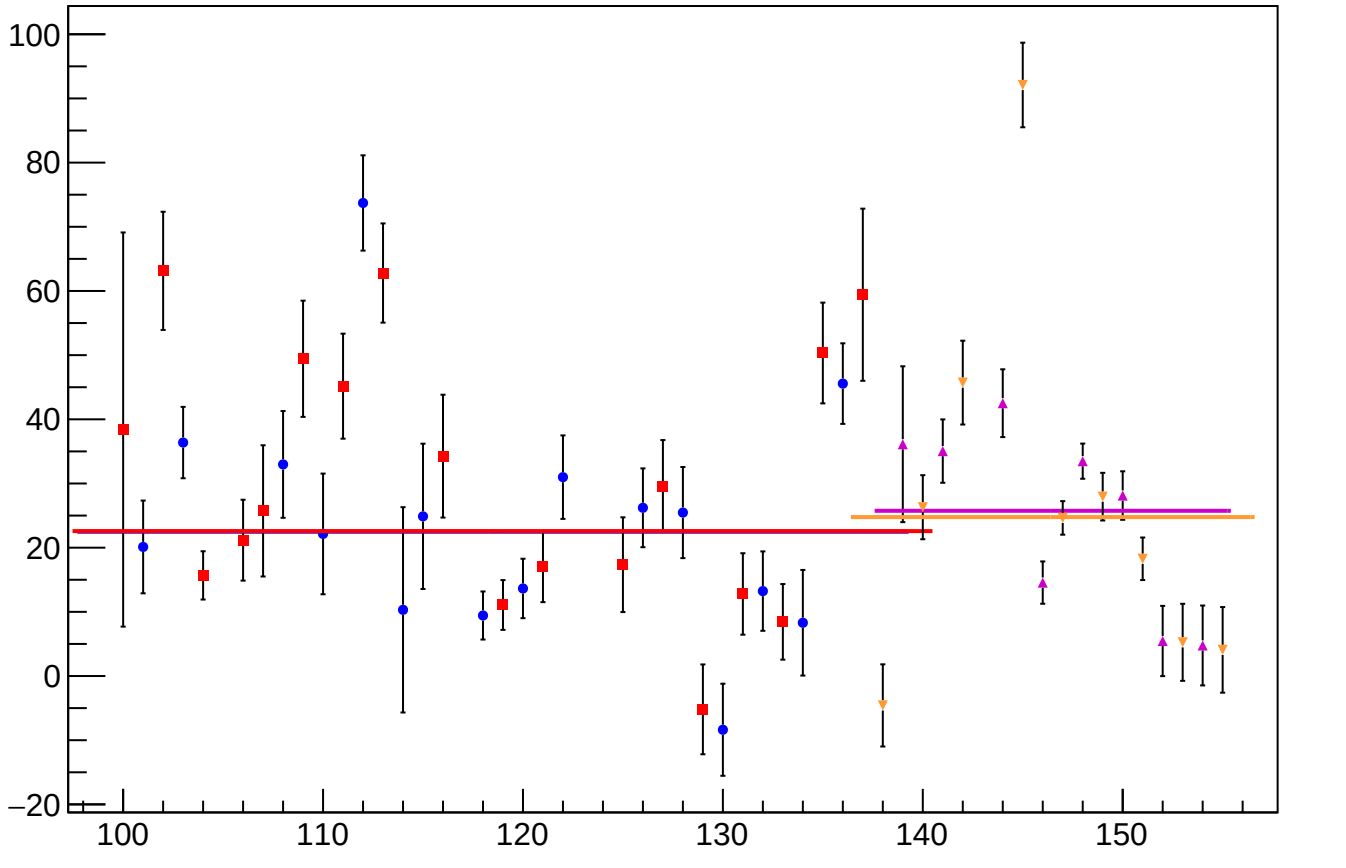
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -373.252+/-2.363 χ^2/NDF:68.9/7

+ sign -311.032+/-1.323 χ^2/NDF: 3822.4/24

All: -307.544+/-0.926 χ^2/NDF: 8541.1/50

- sign -304.194+/-1.297 χ^2/NDF: 4705.1/25



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 24.767+/-1.457 χ^2/NDF:160.5/8

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

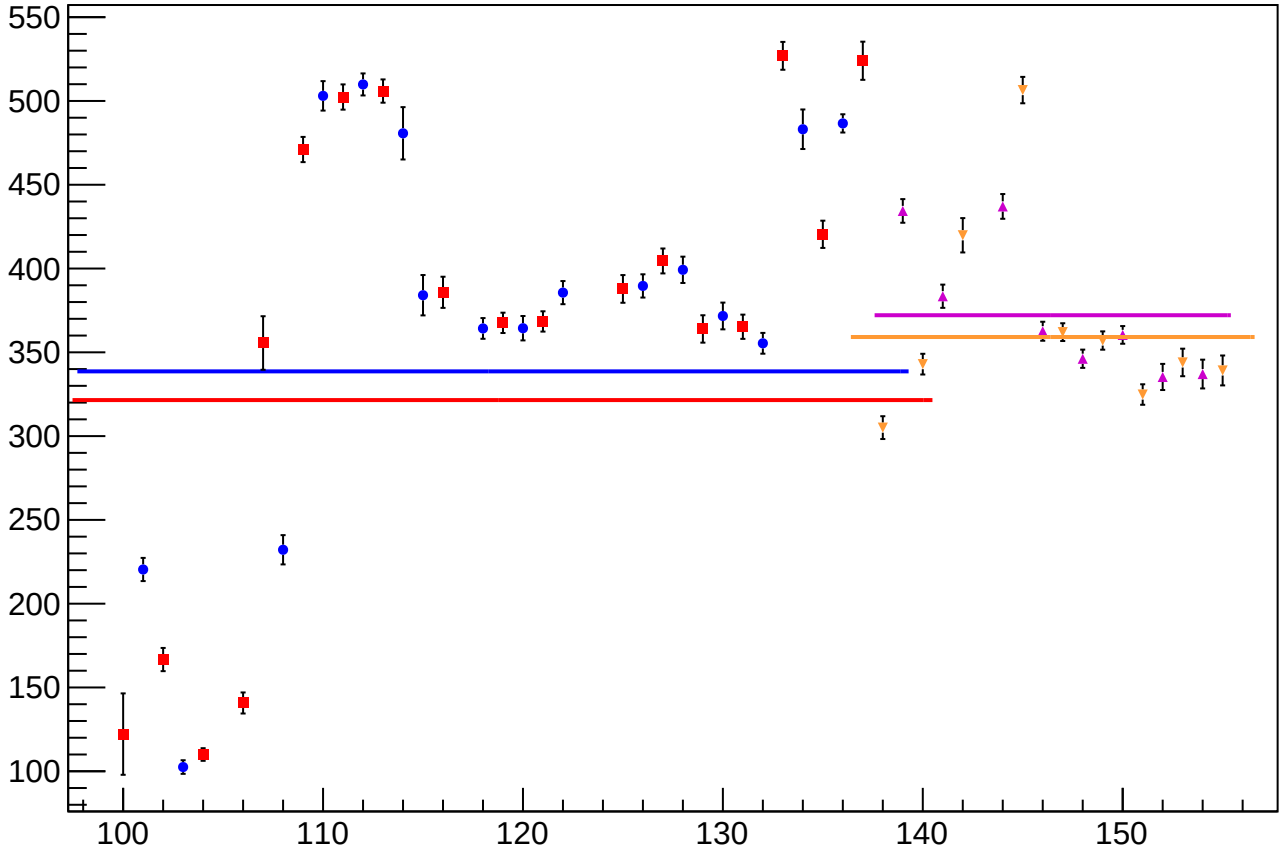
Left In: 25.746+/-1.511 χ^2/NDF:59.3/7

+ sign 23.751+/-1.083 χ^2/NDF: 273.0/24

All: 23.986+/-0.768 χ^2/NDF: 457.9/50

- sign 24.224+/-1.089 χ^2/NDF: 184.8/25

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: 359.136+/-2.255 χ^2/NDF:495.4/8

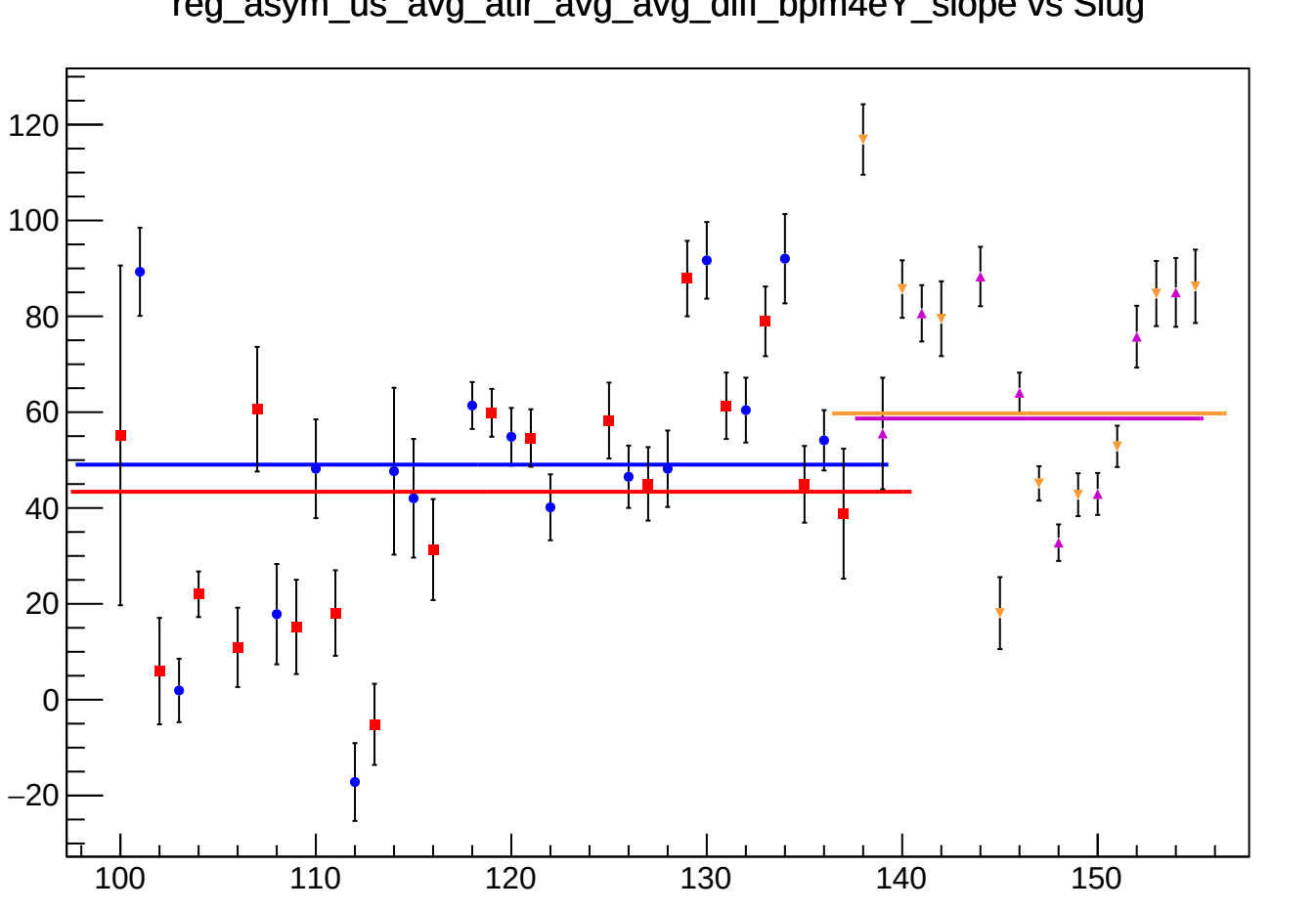
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 372.135+/-2.294 χ^2/NDF:227.4/7

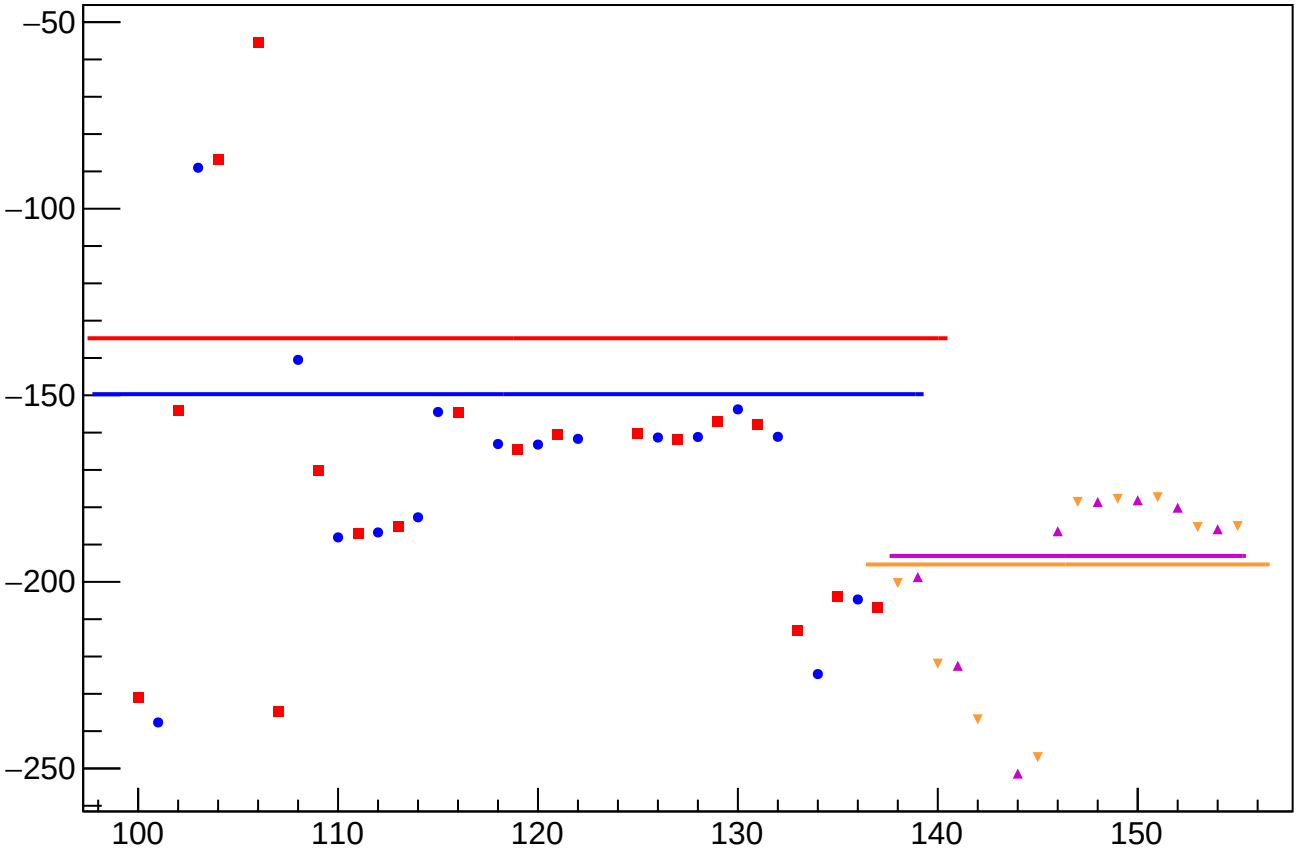
+ sign 346.330+/-1.382 χ^2/NDF: 6589.7/24

All: 342.803+/-0.970 χ^2/NDF: 14866.1/50

- sign 339.372+/-1.363 χ^2/NDF: 8263.5/25


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
Right In: 49.053+/-1.882 χ²/NDF: 207.9/15
Left Out: 59.743+/-1.823 χ²/NDF:175.5/8
Right Out: 43.392+/-1.834 χ²/NDF: 180.0/17
Left In: 58.678+/-1.879 χ²/NDF:118.0/7
+ sign 54.570+/-1.310 χ²/NDF: 400.1/24
All: 52.714+/-0.927 χ²/NDF: 736.0/50
- sign 50.850+/-1.312 χ²/NDF: 331.9/25

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -195.334+/-0.091 χ^2/NDF:65615.8/8

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

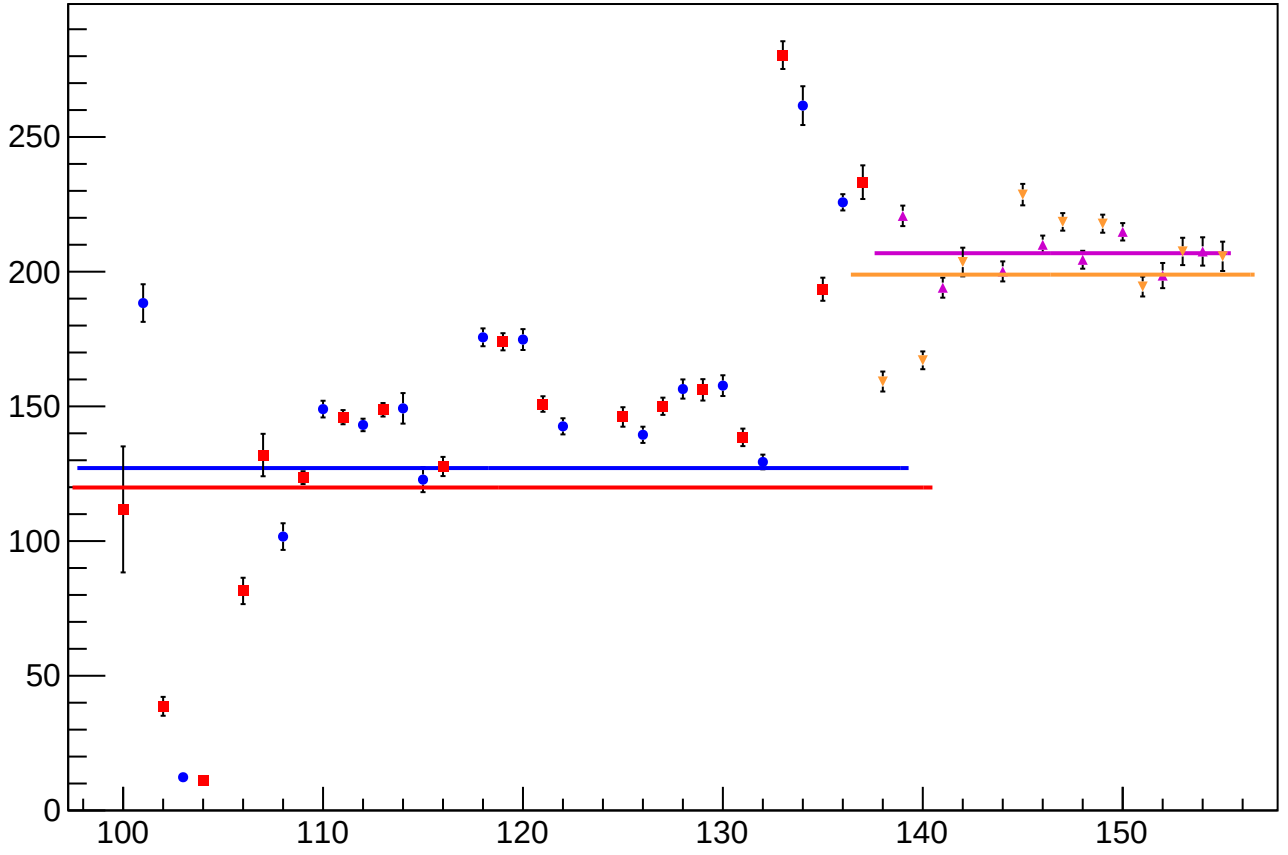
Left In: -193.046+/-0.091 χ^2/NDF:54826.1/7

+ sign -174.775+/-0.068 χ^2/NDF: 434673.9/24

All: -170.186+/-0.047 χ^2/NDF: 1003754.5/50

- sign -165.779+/-0.066 χ^2/NDF: 560066.0/25

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: 198.908+/-1.300 χ^2/NDF:337.5/8

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

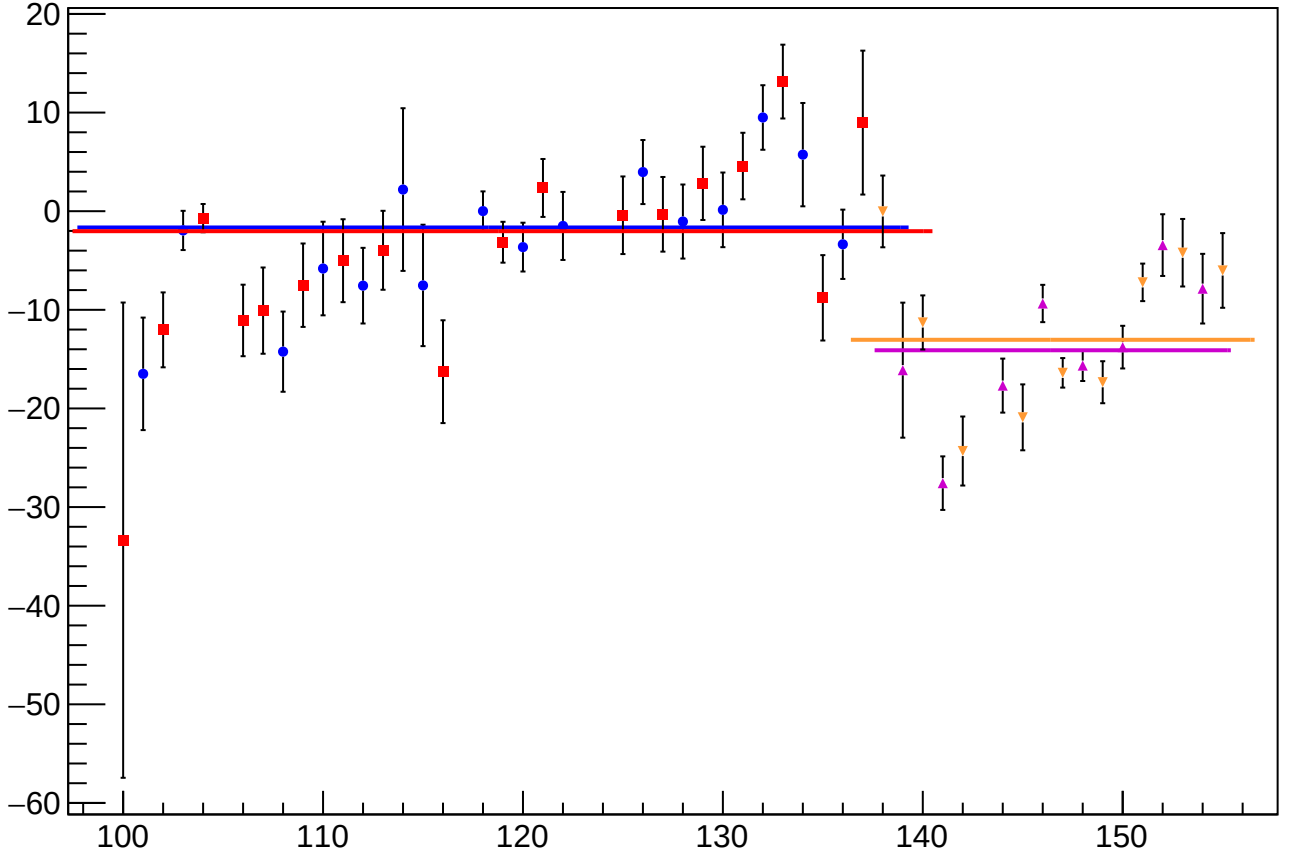
Left In: 206.860+/-1.326 χ^2/NDF:39.1/7

+ sign 147.221+/-0.688 χ^2/NDF: 8698.5/24

All: 144.540+/-0.479 χ^2/NDF: 18626.5/50

- sign 142.007+/-0.669 χ^2/NDF: 9898.4/25

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -13.039+/-0.823 χ^2/NDF:57.7/8

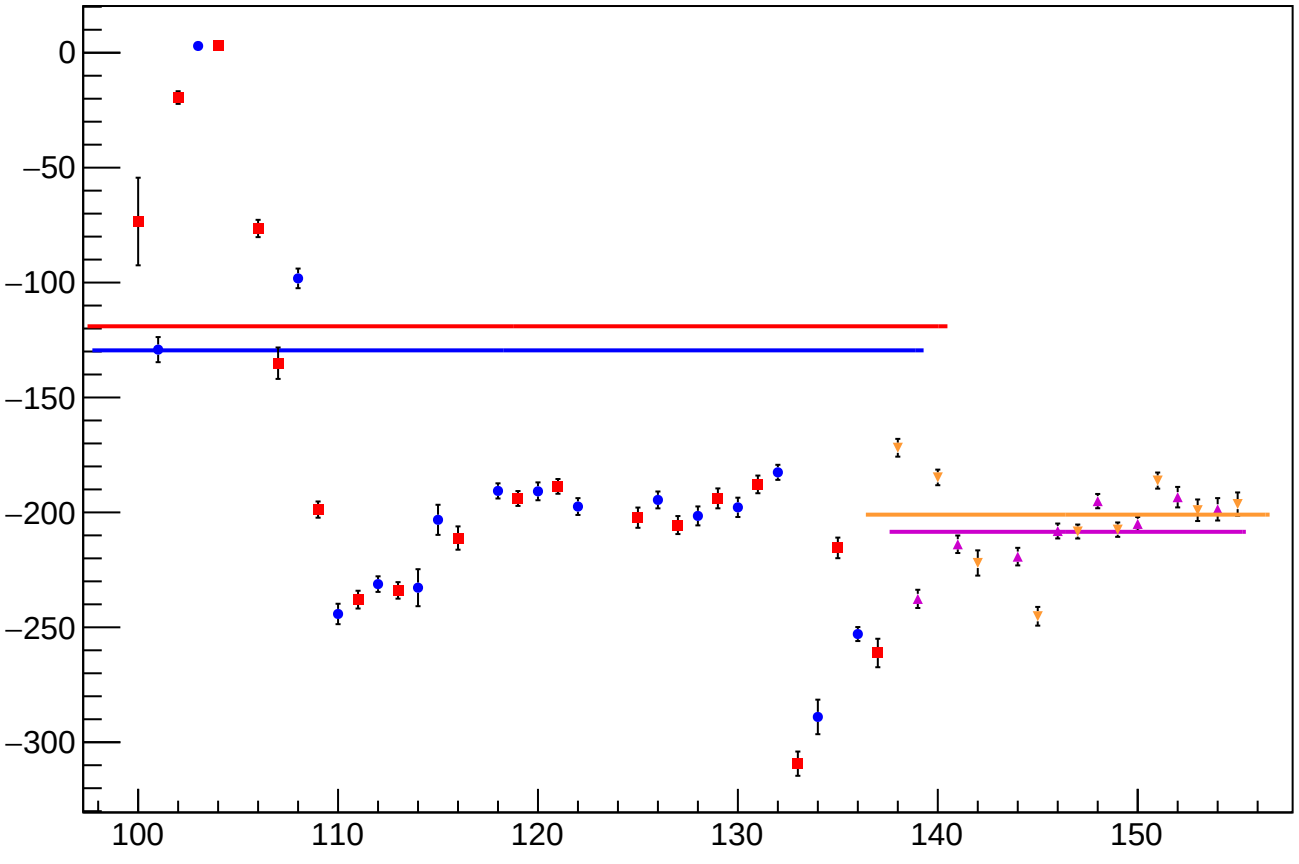
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -14.101+/-0.853 χ^2/NDF:48.5/7

+ sign -7.415+/-0.585 χ^2/NDF: 191.4/24

All: -7.433+/-0.409 χ^2/NDF: 408.8/50

- sign -7.450+/-0.572 χ^2/NDF: 217.4/25



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -200.978+/-1.267 χ^2/NDF:240.9/8

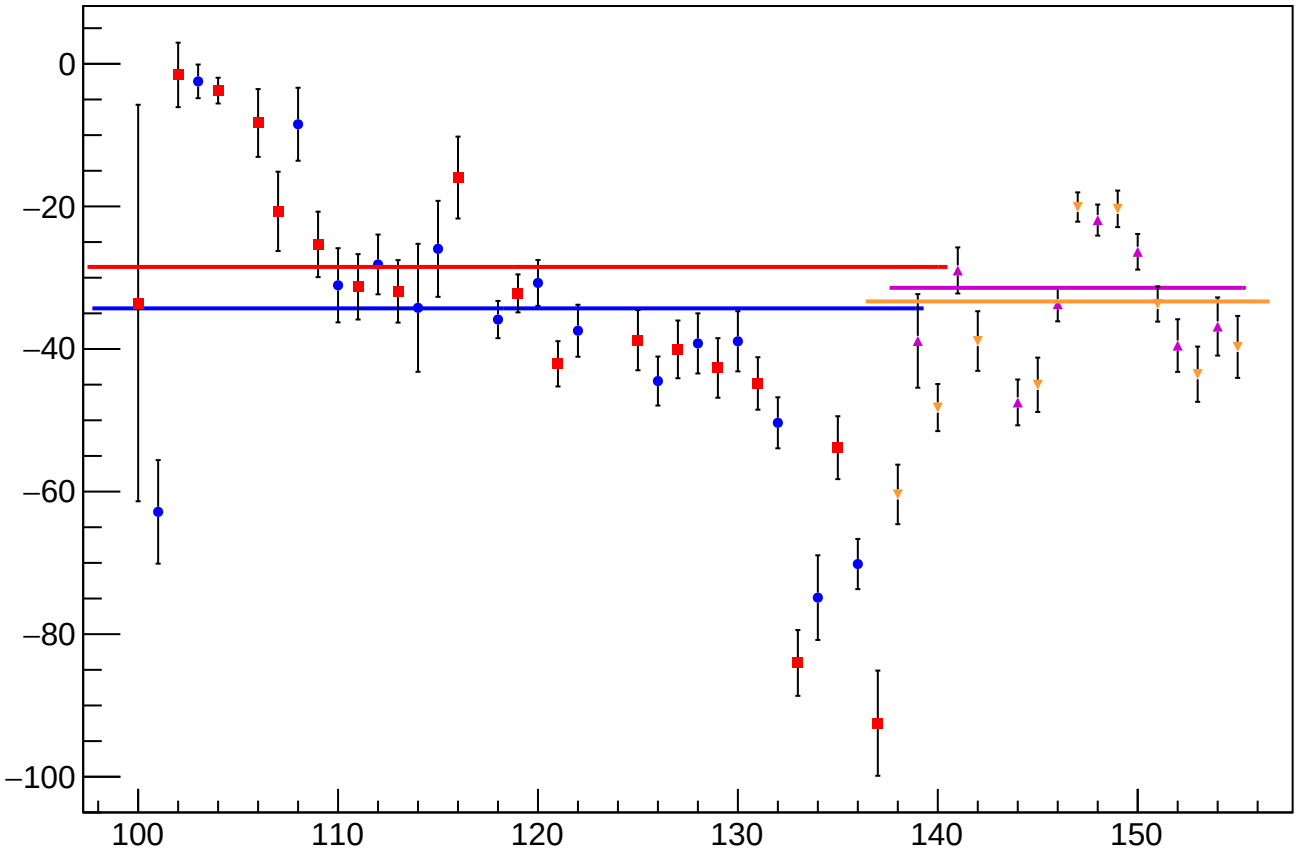
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -208.448+/-1.290 χ^2/NDF:99.4/7

+ sign -151.559+/-0.704 χ^2/NDF: 17130.2/24

All: -147.920+/-0.492 χ^2/NDF: 36900.5/50

- sign -144.445+/-0.688 χ^2/NDF: 19718.0/25



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -33.332+/-1.027 χ^2/NDF:149.9/8

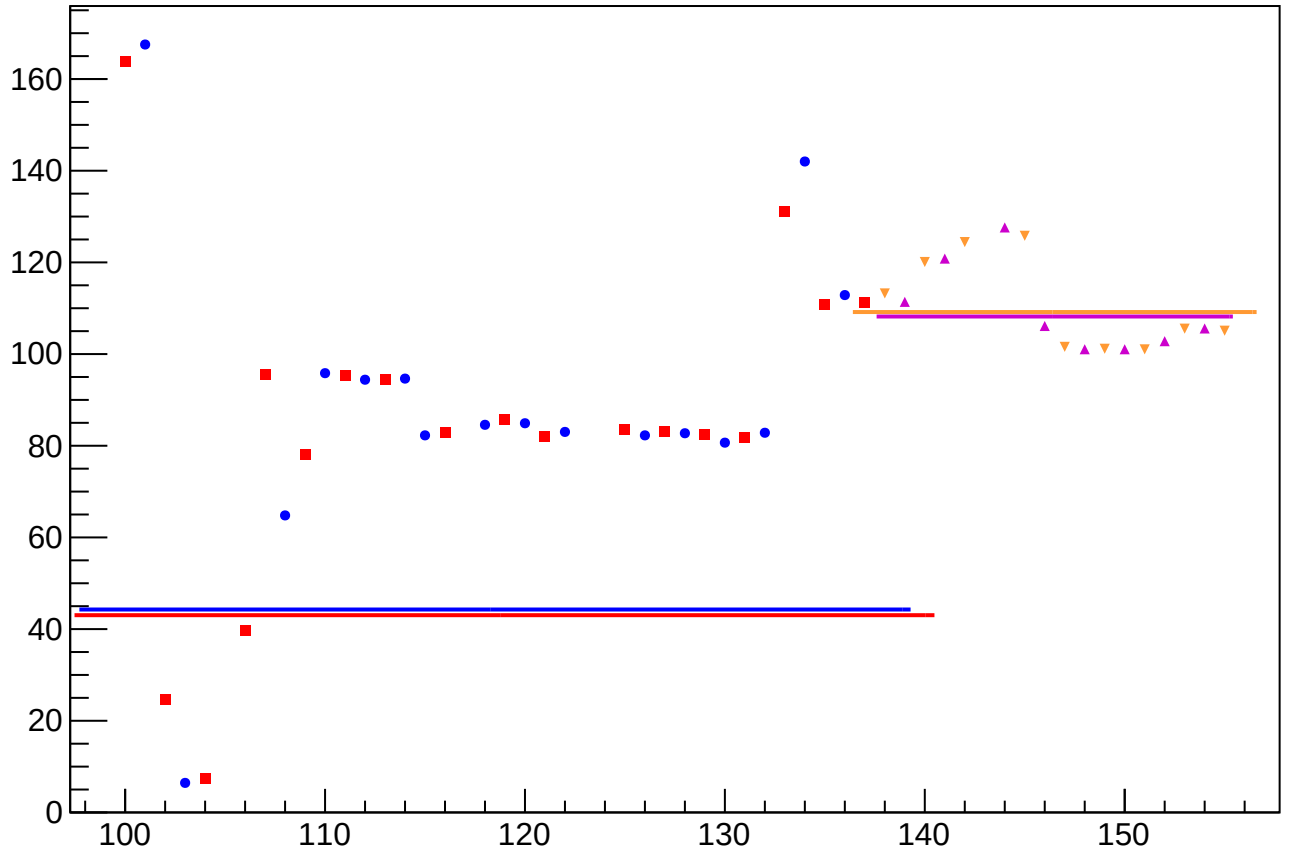
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -31.419+/-1.059 χ^2/NDF:57.5/7

+ sign -33.845+/-0.704 χ^2/NDF: 561.7/24

All: -31.741+/-0.492 χ^2/NDF: 1209.1/50

- sign -29.728+/-0.689 χ^2/NDF: 629.9/25



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 109.170+/-0.051 χ^2/NDF:32438.6/8

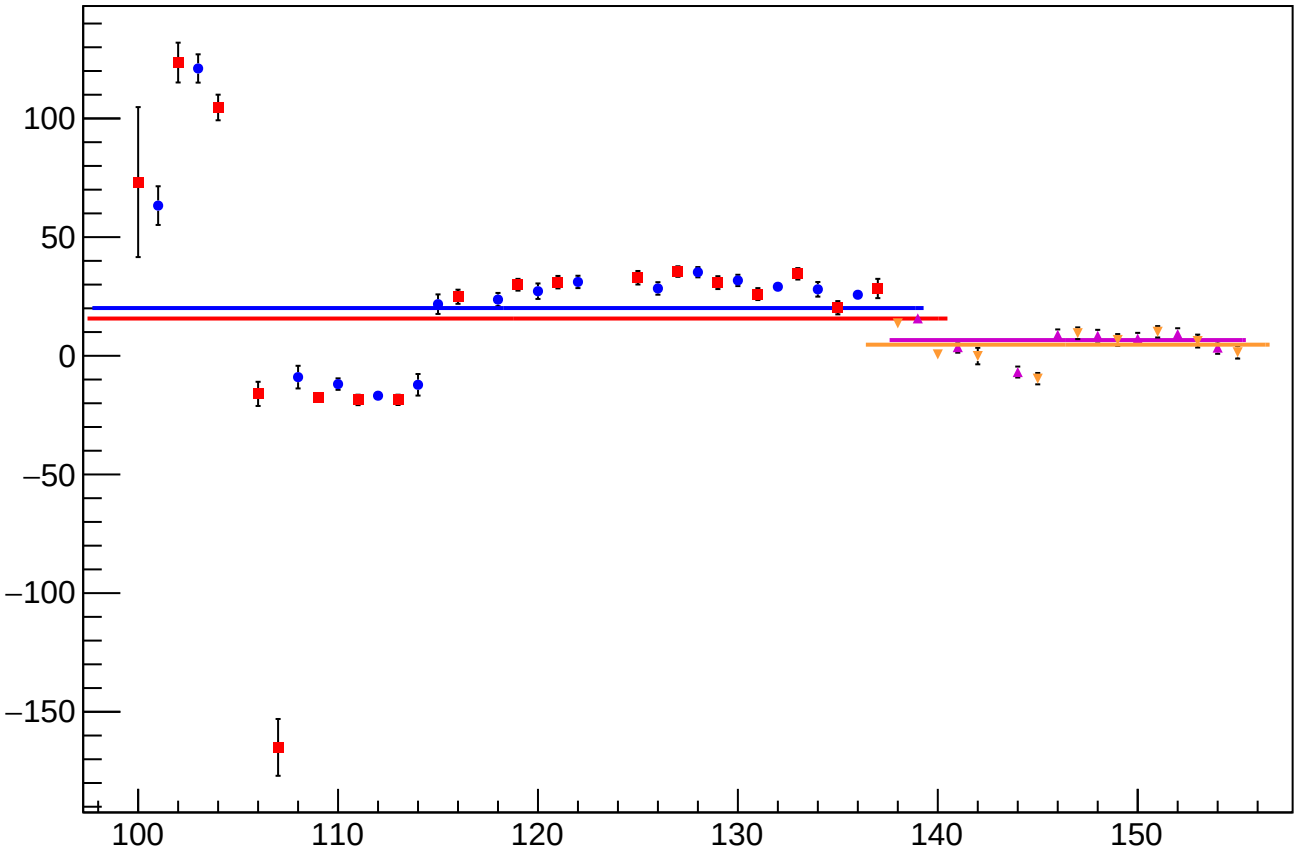
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 108.196+/-0.051 χ^2/NDF:28127.4/7

+ sign 72.456+/-0.034 χ^2/NDF: 2023029.6/24

All: 71.960+/-0.024 χ^2/NDF: 3770026.9/50

- sign 71.463+/-0.034 χ^2/NDF: 1746566.3/25



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 4.689+/-0.818 χ^2/NDF:71.2/8

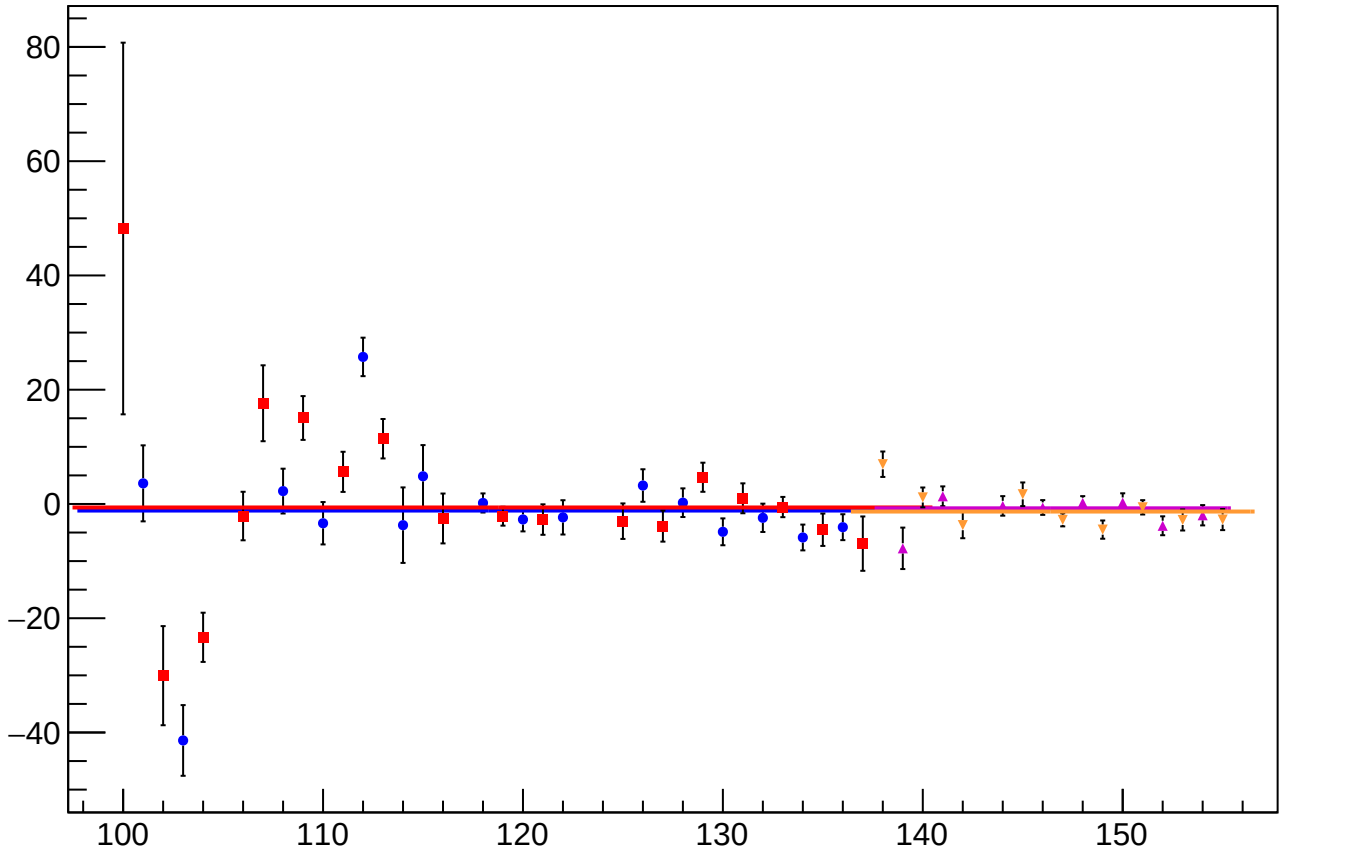
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.625+/-0.828 χ^2/NDF:60.5/7

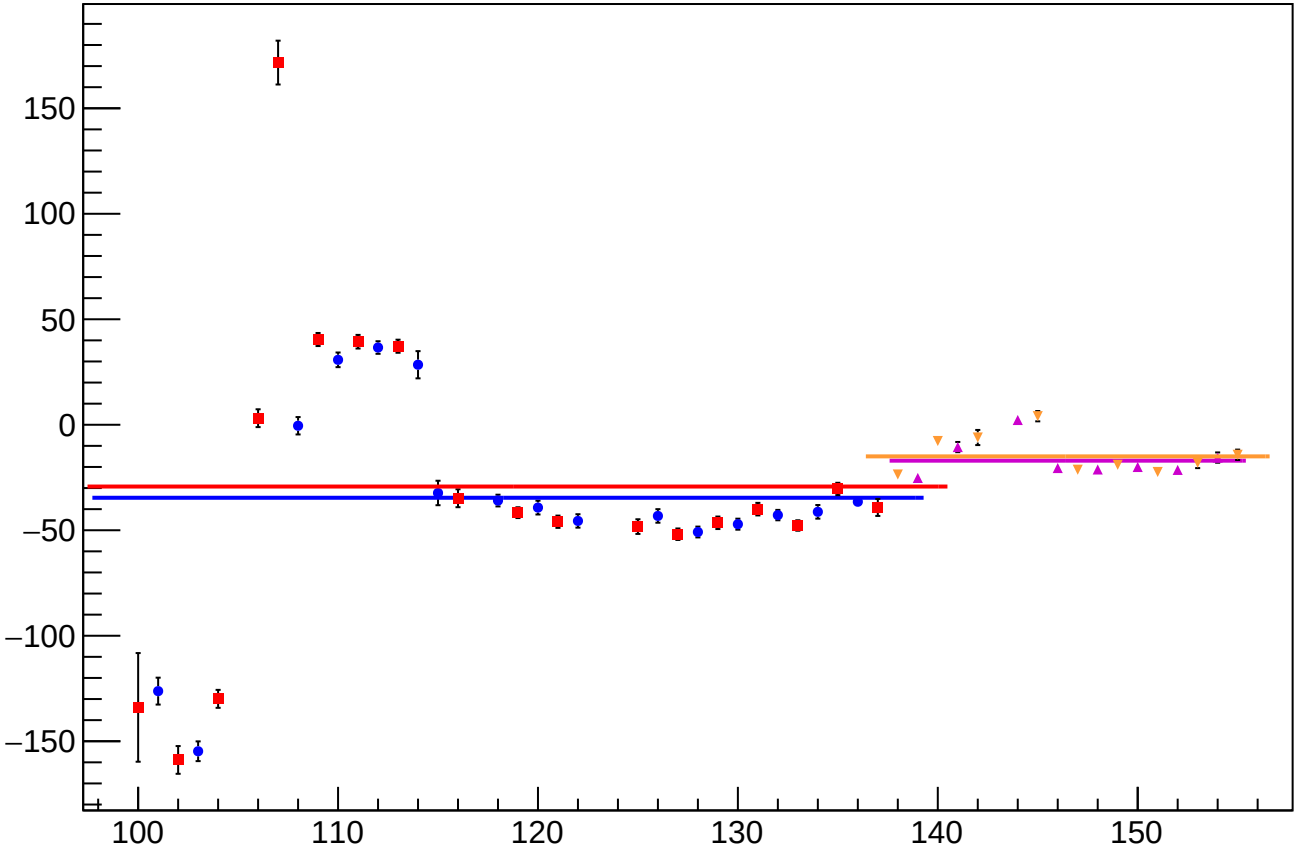
+ sign 13.735+/-0.526 χ^2/NDF: 1327.9/24

All: 12.885+/-0.372 χ^2/NDF: 3239.0/50

- sign 12.034+/-0.527 χ^2/NDF: 1905.9/25


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
100
110
120
130
140
150
Right In: -1.151+/-0.699 χ²/NDF: 121.8/15
Left Out: -1.325+/-0.547 χ²/NDF:26.2/8
Right Out: -0.614+/-0.713 χ²/NDF: 93.4/17
Left In: -0.763+/-0.563 χ²/NDF:10.2/7
+ sign -1.259+/-0.431 χ²/NDF: 148.1/24
All: -0.989+/-0.309 χ²/NDF: 252.5/50
- sign -0.706+/-0.442 χ²/NDF: 103.6/25

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -14.983+/-0.800 χ^2/NDF:116.6/8

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

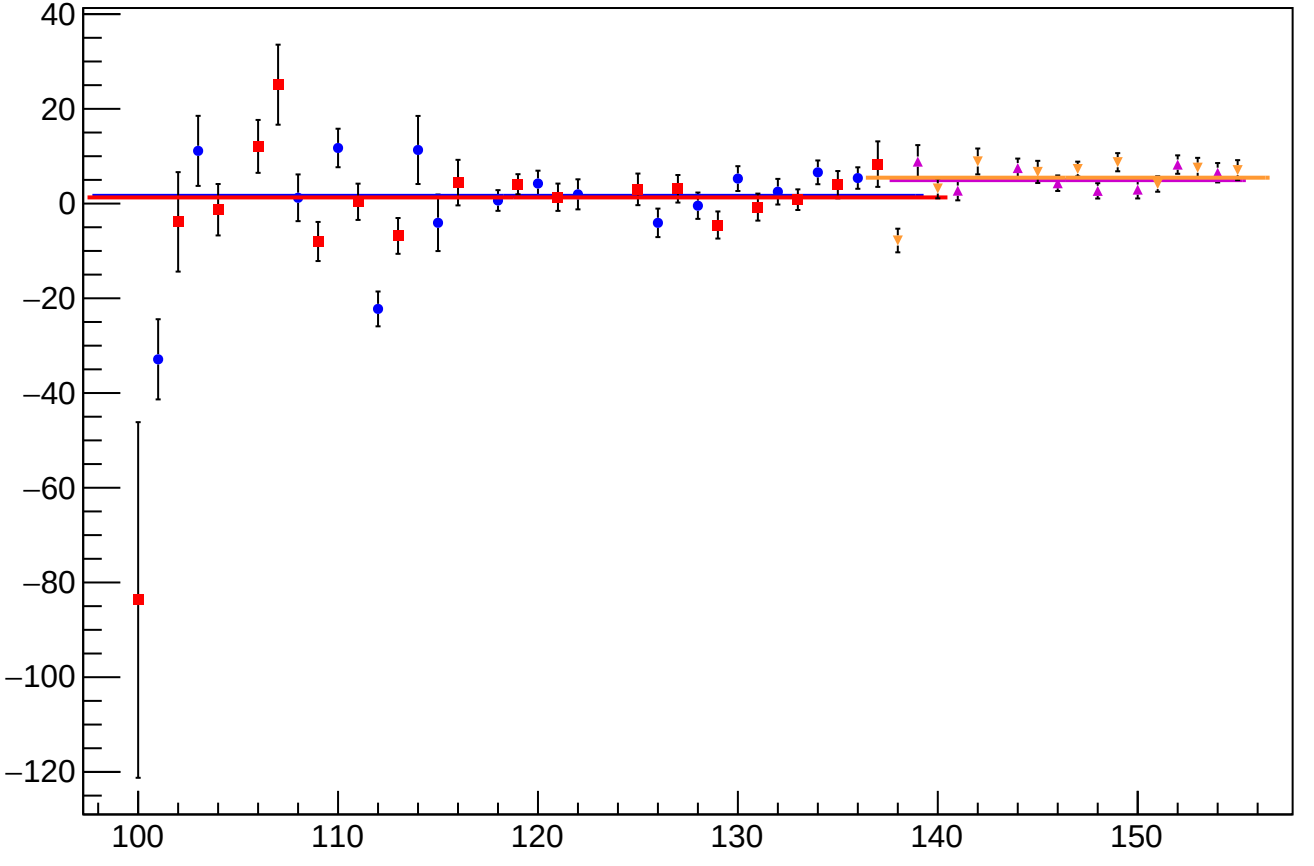
Left In: -17.017+/-0.810 χ^2/NDF:99.8/7

+ sign -24.966+/-0.561 χ^2/NDF: 2480.7/24

All: -24.109+/-0.400 χ^2/NDF: 5782.3/50

- sign -23.227+/-0.569 χ^2/NDF: 3296.8/25

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.465+/-0.671 χ^2/NDF:37.8/8

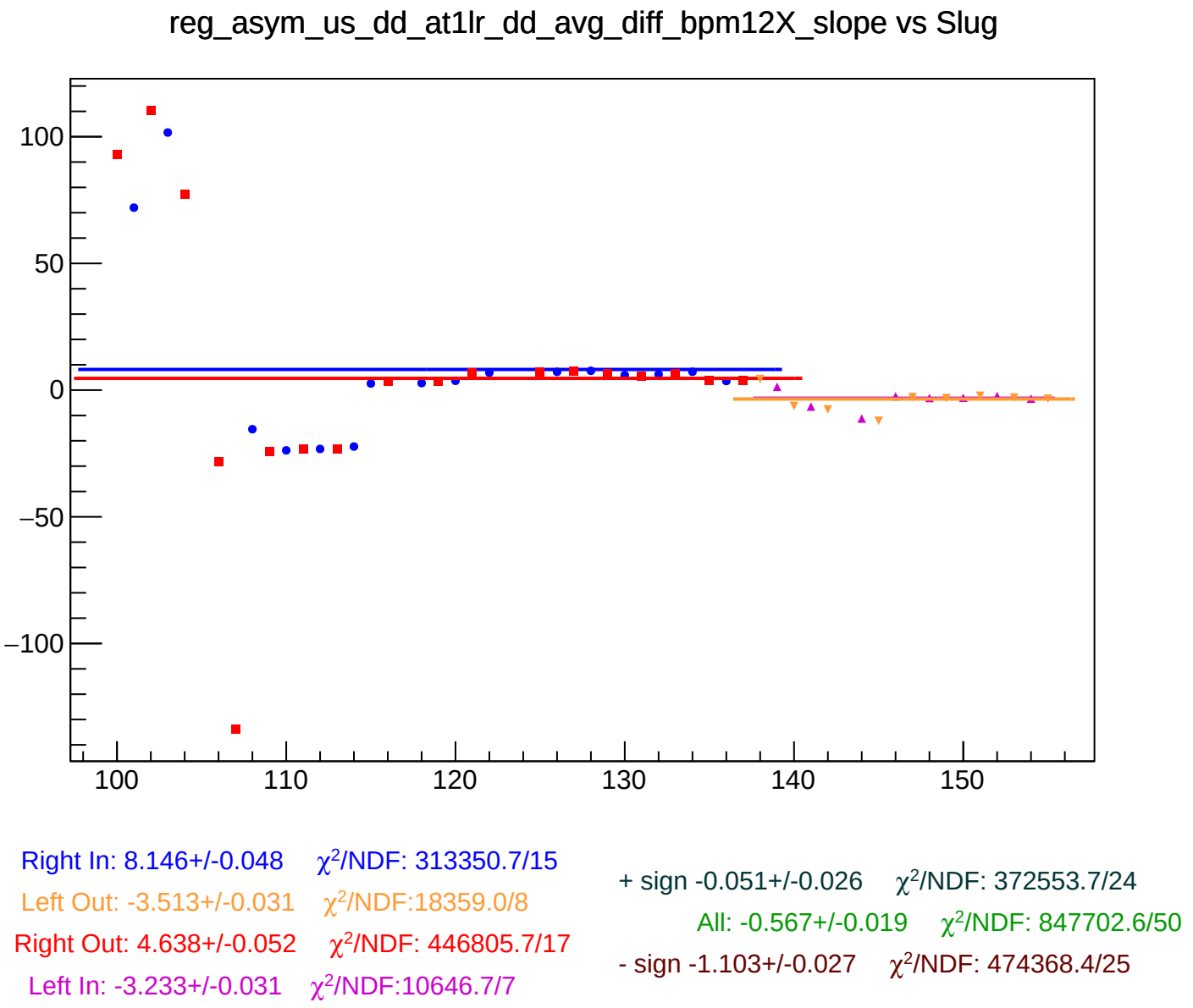
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

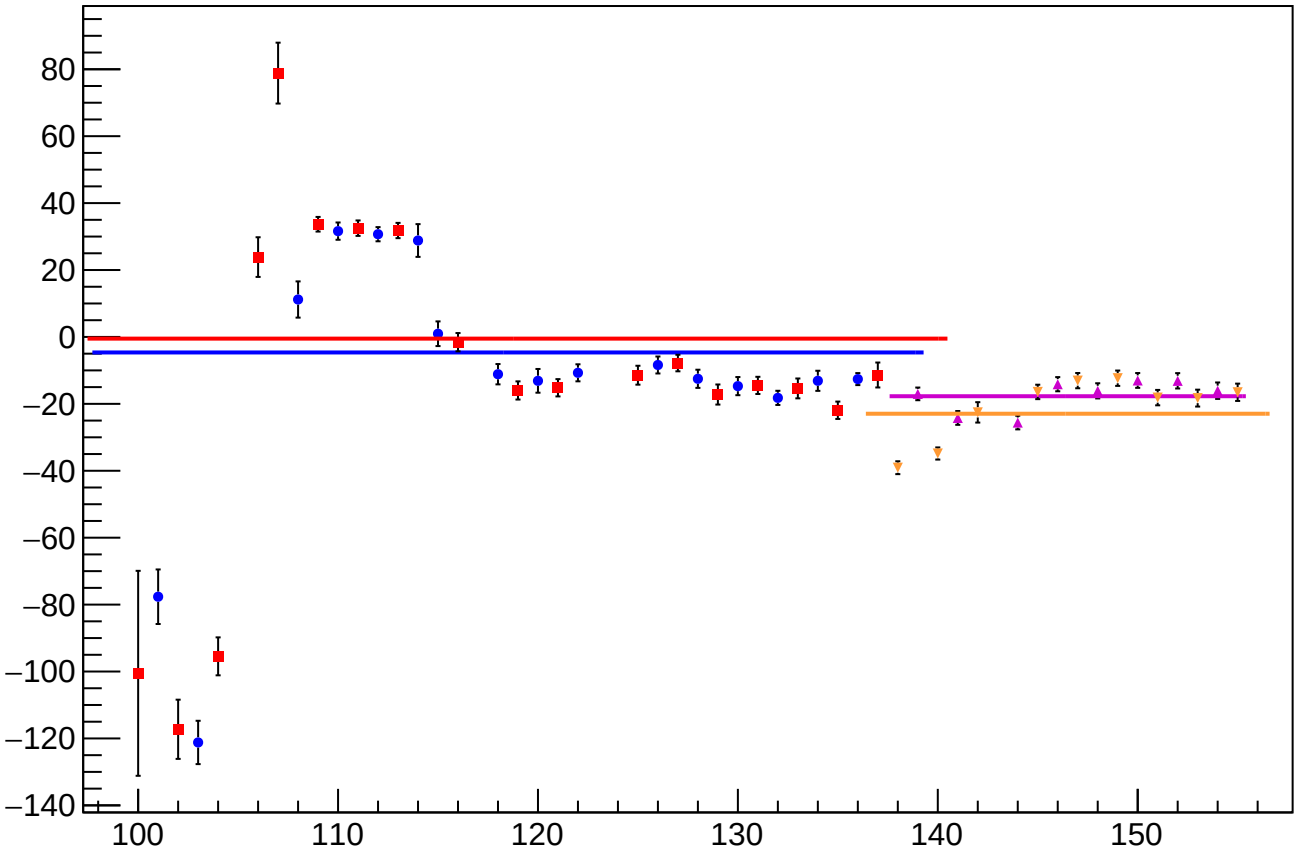
Left In: 4.952+/-0.688 χ^2/NDF:10.7/7

+ sign 3.874+/-0.513 χ^2/NDF: 134.7/24

All: 3.660+/-0.367 χ^2/NDF: 195.0/50

- sign 3.434+/-0.526 χ^2/NDF: 60.0/25


reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug
100
50
0
−50
−100
100
110
120
130
140
150
Right In: 8.146+/-0.048 χ²/NDF: 313350.7/15
Left Out: -3.513+/-0.031 χ²/NDF:18359.0/8
Right Out: 4.638+/-0.052 χ²/NDF: 446805.7/17
Left In: -3.233+/-0.031 χ²/NDF:10646.7/7
+ sign -0.051+/-0.026 χ²/NDF: 372553.7/24
All: -0.567+/-0.019 χ²/NDF: 847702.6/50
- sign -1.103+/-0.027 χ²/NDF: 474368.4/25



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -22.952+/-0.751 χ^2/NDF:176.5/8

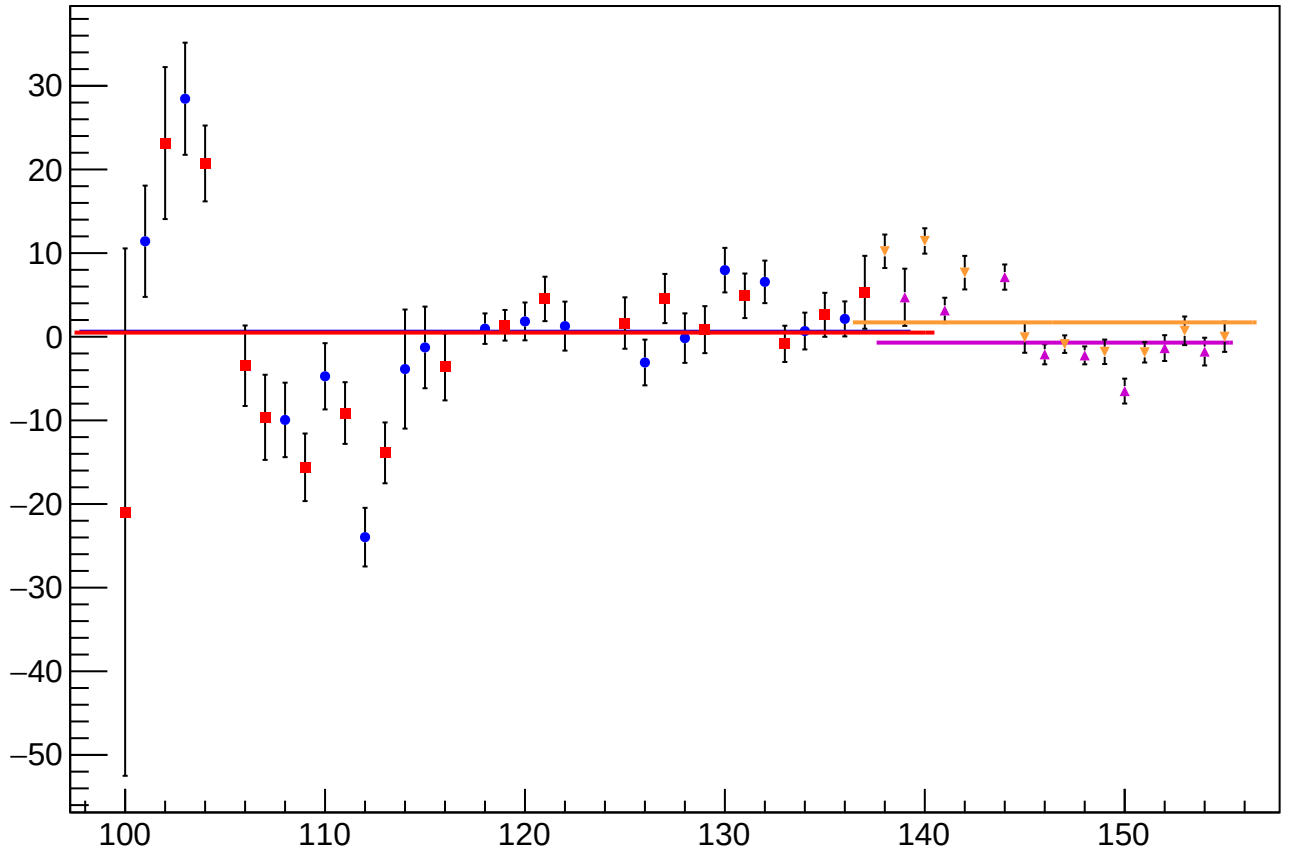
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.720+/-0.760 χ^2/NDF:37.3/7

+ sign -13.303+/-0.517 χ^2/NDF: 1536.0/24

All: -10.932+/-0.366 χ^2/NDF: 3347.2/50

- sign -8.537+/-0.519 χ^2/NDF: 1768.8/25



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.715+/-0.505 χ^2/NDF:90.7/8

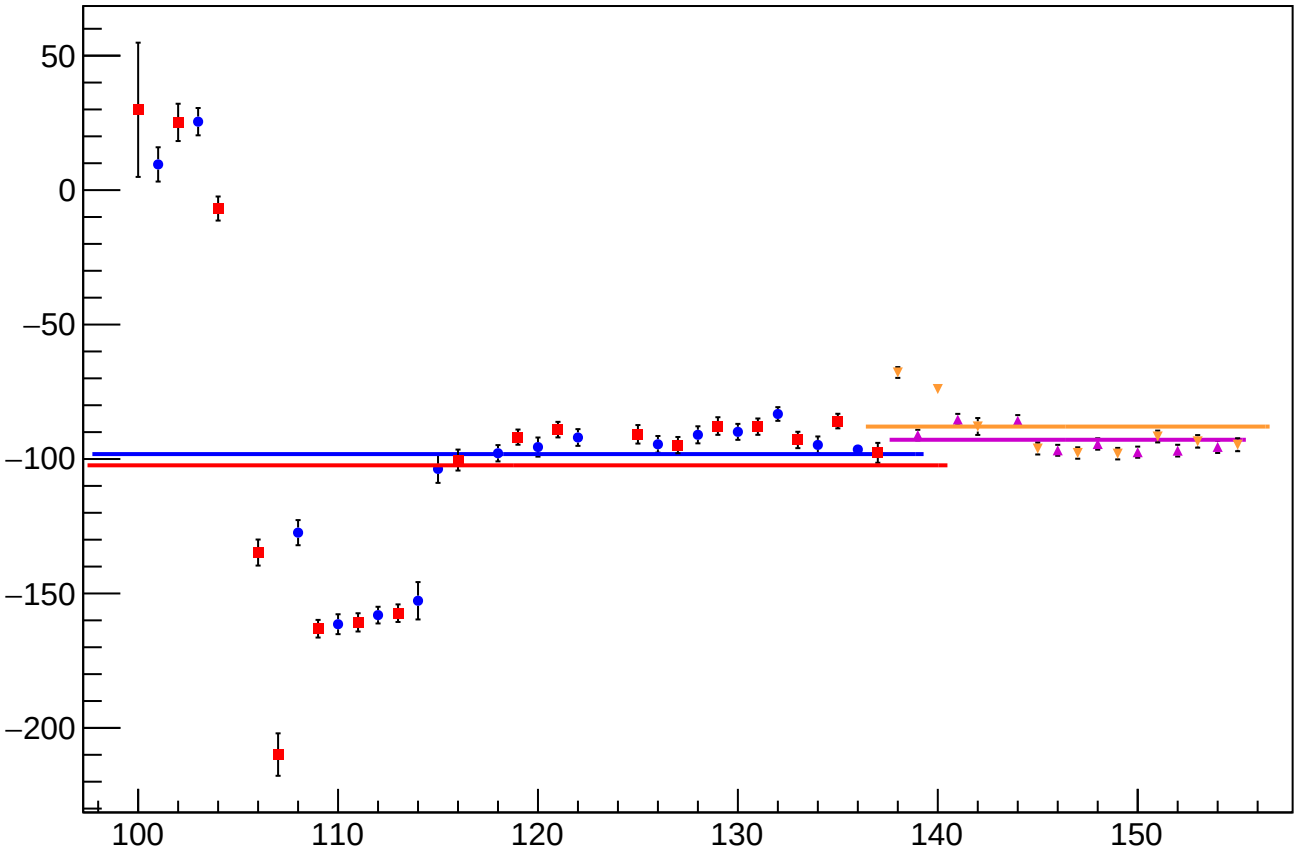
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.703+/-0.515 χ^2/NDF:55.1/7

+ sign 1.353+/-0.415 χ^2/NDF: 185.2/24

All: 0.538+/-0.297 χ^2/NDF: 330.1/50

- sign -0.322+/-0.426 χ^2/NDF: 137.0/25



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -87.937+/-0.737 χ^2/NDF:229.7/8

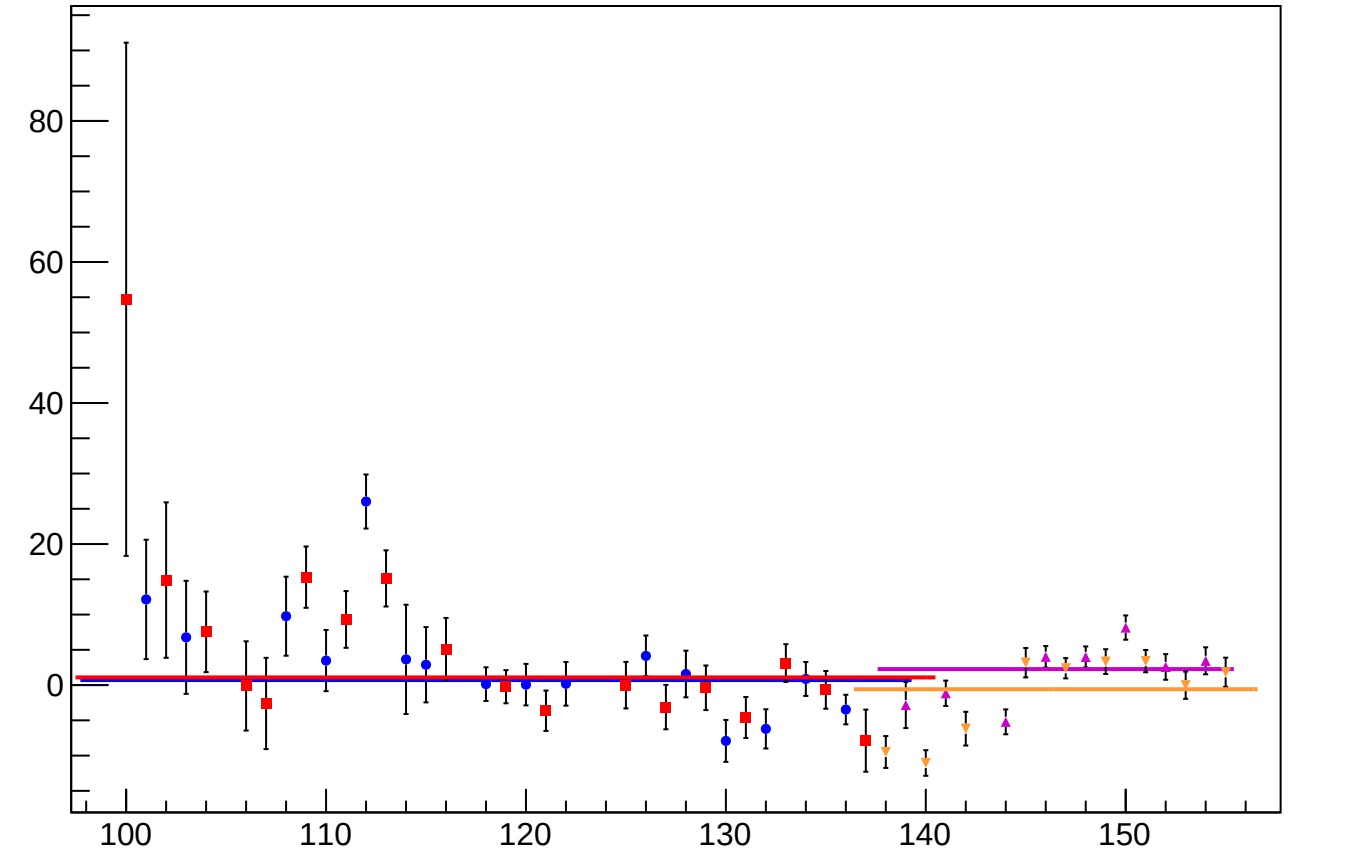
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -92.842+/-0.744 χ^2/NDF:38.7/7

+ sign -92.551+/-0.546 χ^2/NDF: 2016.6/24

All: -94.753+/-0.390 χ^2/NDF: 4278.1/50

- sign -97.039+/-0.556 χ^2/NDF: 2228.3/25



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.589+/-0.619 χ^2/NDF:74.4/8

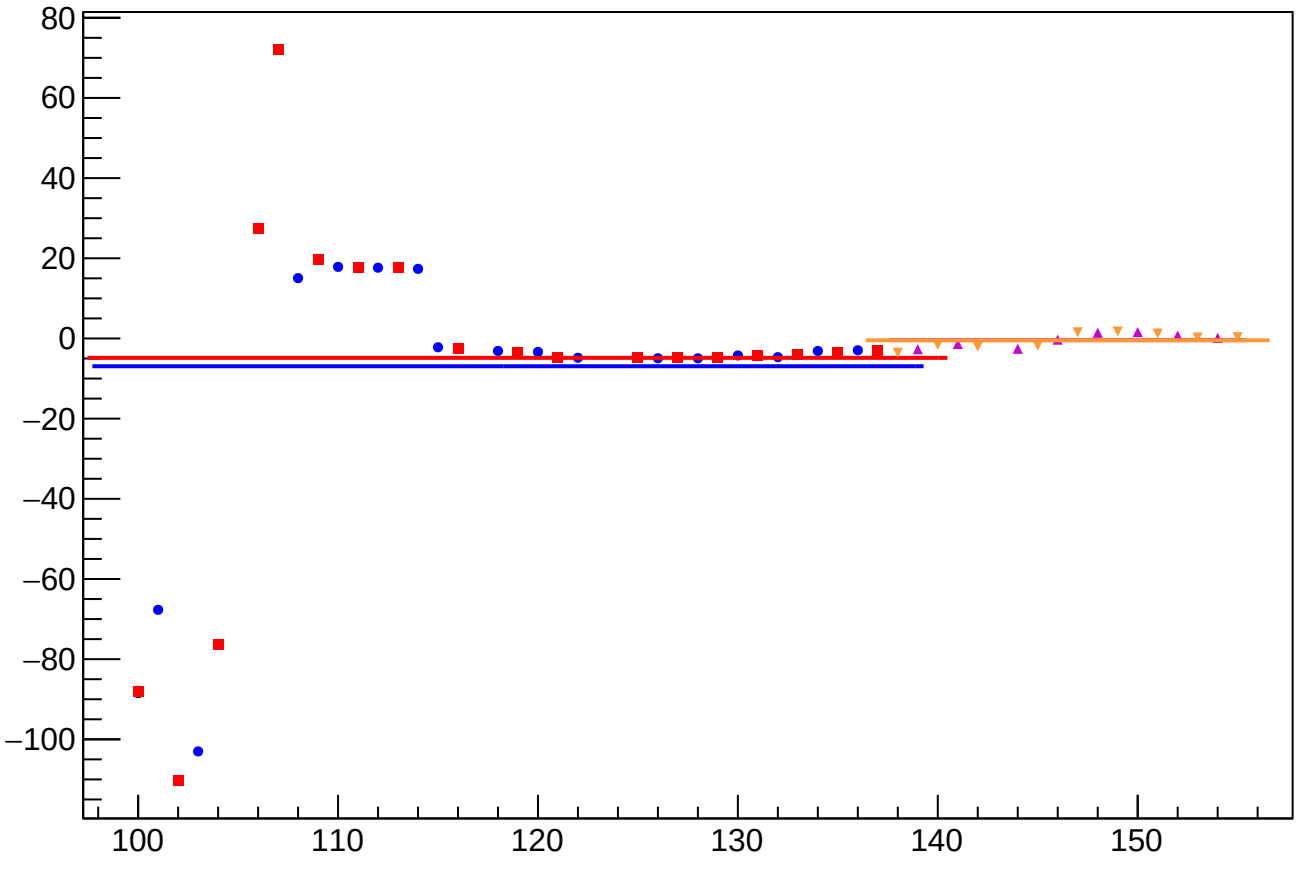
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.268+/-0.630 χ^2/NDF:38.8/7

+ sign -0.118+/-0.494 χ^2/NDF: 145.6/24

All: 0.842+/-0.354 χ^2/NDF: 241.0/50

- sign 1.853+/-0.508 χ^2/NDF: 87.7/25



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.454+/-0.029 χ^2/NDF:3736.0/8

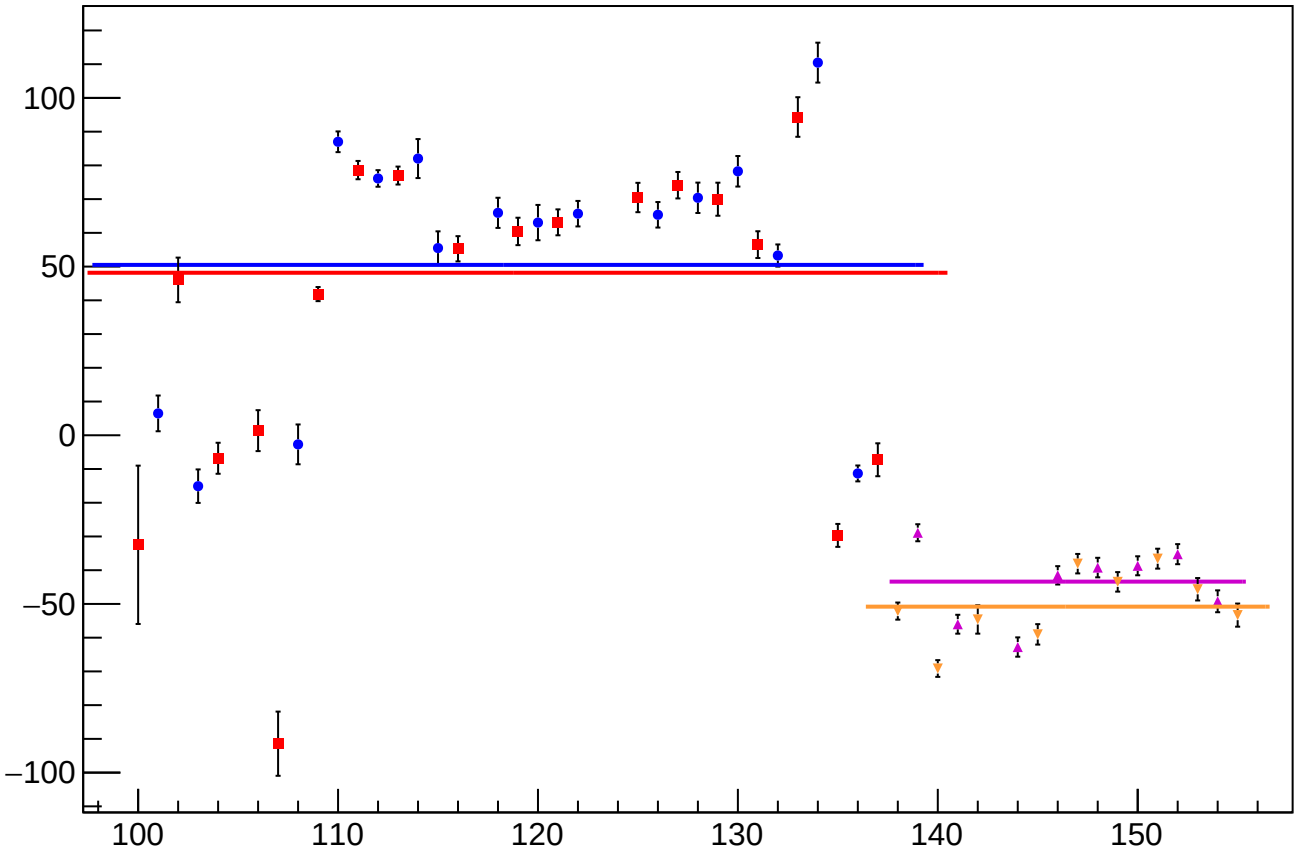
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.411+/-0.029 χ^2/NDF:3002.8/7

+ sign -2.166+/-0.025 χ^2/NDF: 282008.4/24

All: -1.808+/-0.018 χ^2/NDF: 630180.2/50

- sign -1.436+/-0.025 χ^2/NDF: 347752.3/25



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.805+/-0.994 χ^2/NDF:115.1/8

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

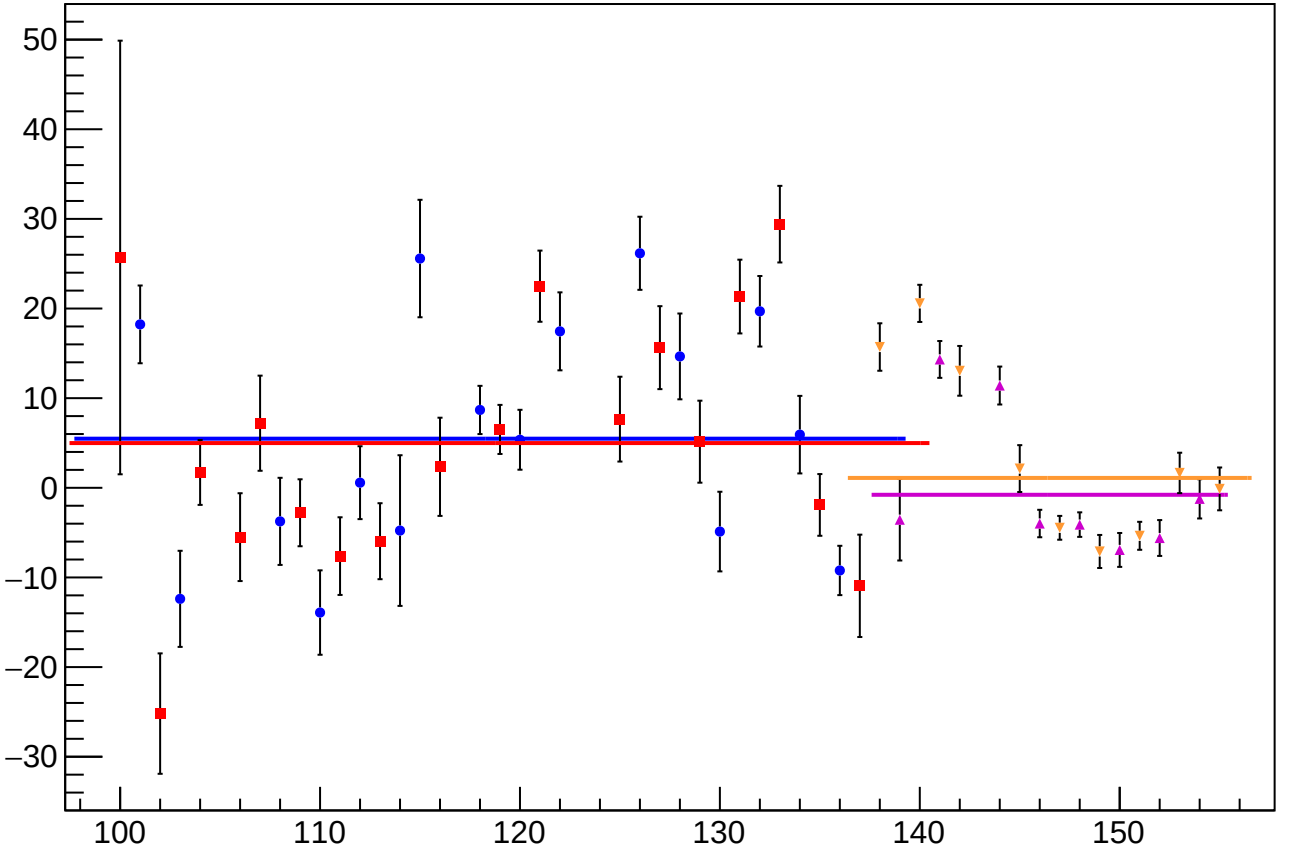
Left In: -43.386+/-1.002 χ^2/NDF:115.3/7

\+ sign 1.312+/-0.692 χ^2/NDF: 6966.5/24

All: 4.017+/-0.484 χ^2/NDF: 13185.4/50

\- sign 6.591+/-0.675 χ^2/NDF: 6189.0/25

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.102+/-0.660 χ^2/NDF:192.2/8

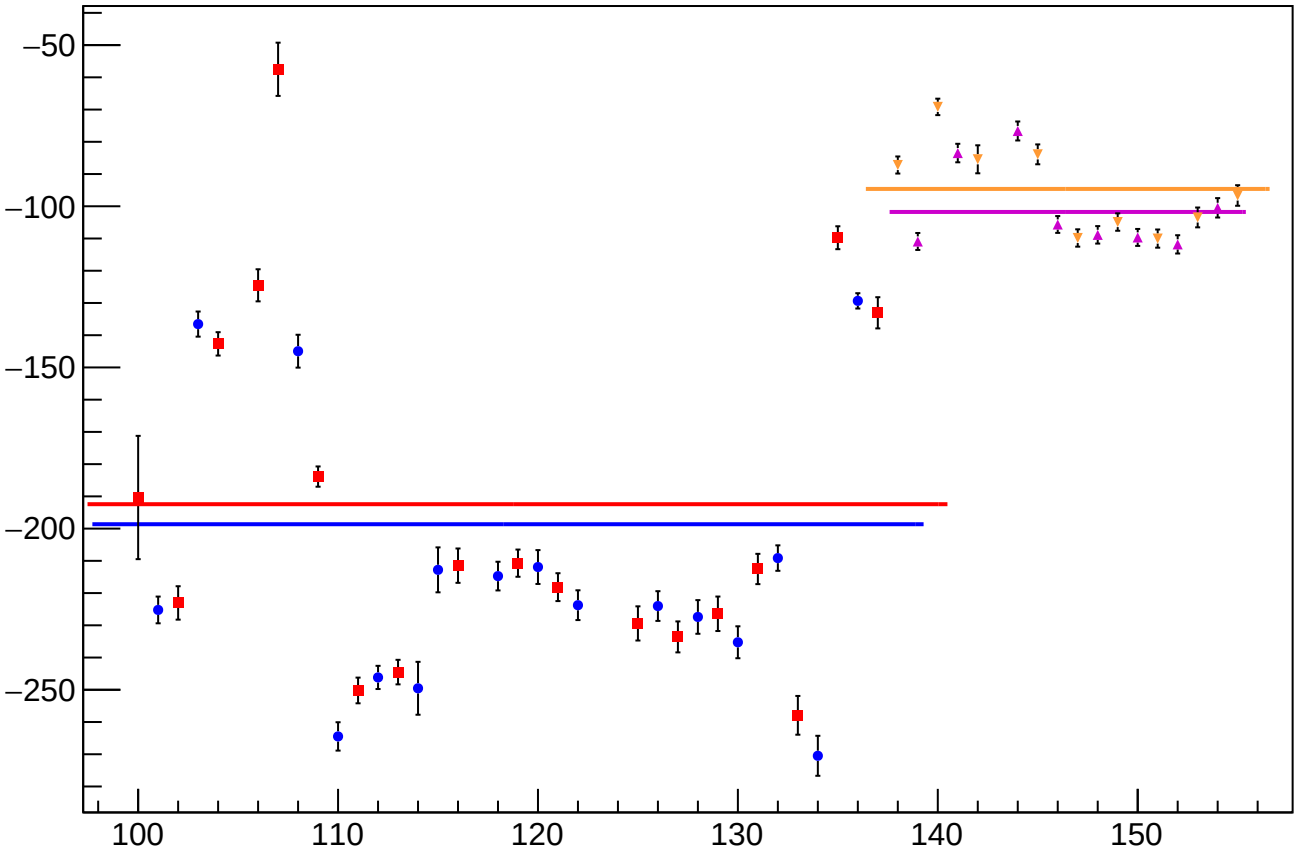
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.779+/-0.673 χ^2/NDF:114.3/7

+ sign 2.393+/-0.554 χ^2/NDF: 343.3/24

All: 1.689+/-0.395 χ^2/NDF: 614.9/50

- sign 0.965+/-0.562 χ^2/NDF: 268.3/25



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -94.618+/-0.972 χ^2/NDF:208.9/8

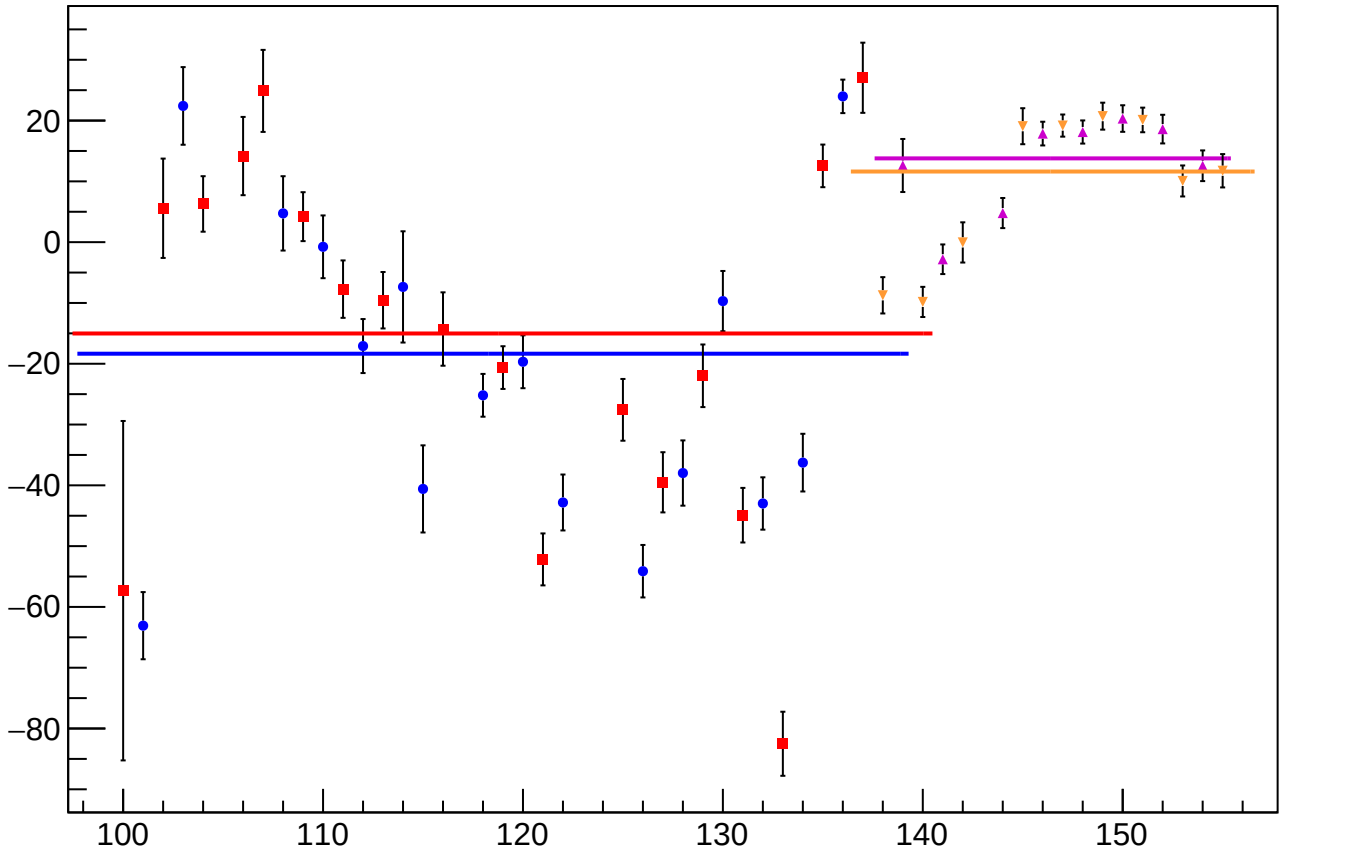
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.763+/-0.979 χ^2/NDF:156.2/7

+ sign -140.999+/-0.723 χ^2/NDF: 7319.8/24

All: -141.830+/-0.512 χ^2/NDF: 13487.4/50

- sign -142.665+/-0.725 χ^2/NDF: 6165.0/25



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.619+/-0.812 χ^2/NDF:192.0/8

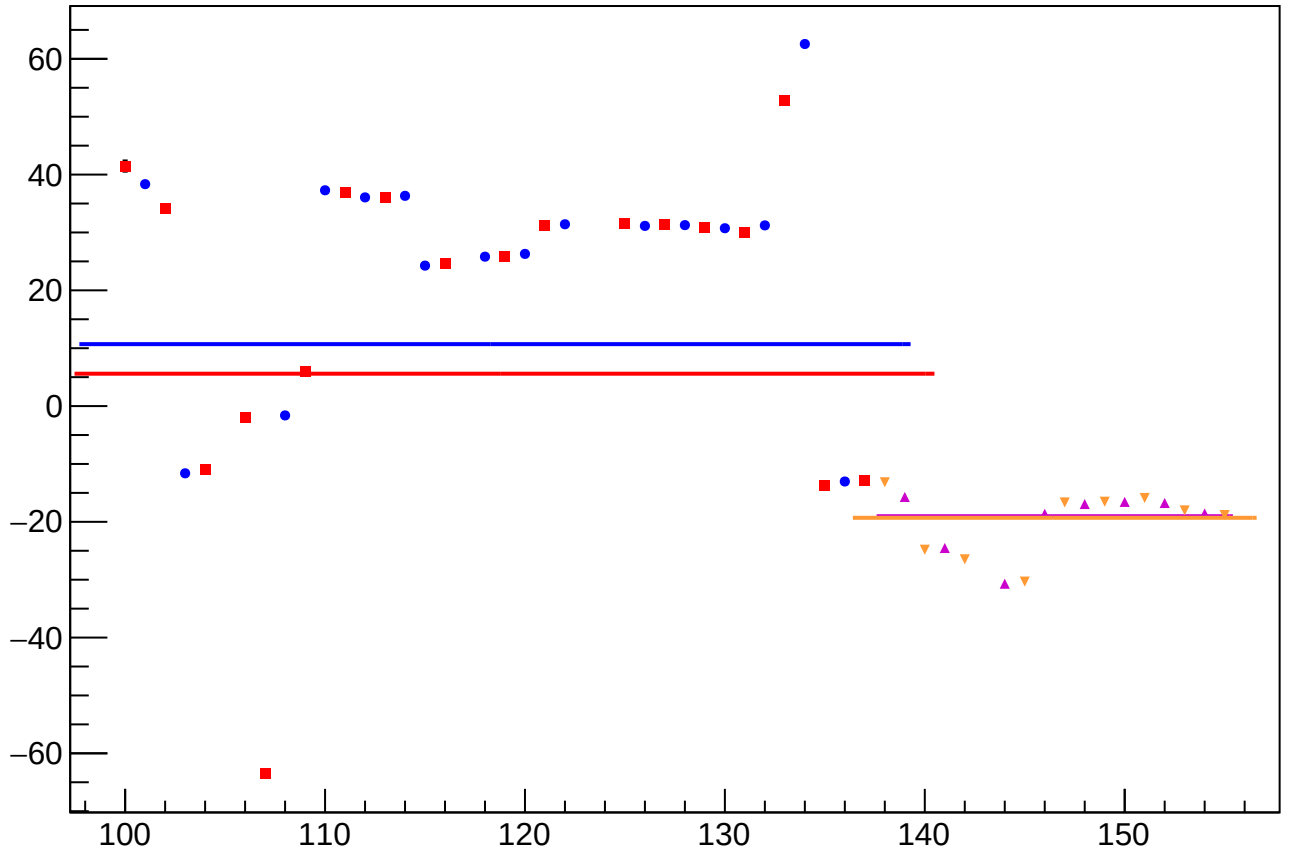
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 13.780+/-0.825 χ^2/NDF:82.6/7

+ sign 1.754+/-0.665 χ^2/NDF: 1184.1/24

All: 2.926+/-0.473 χ^2/NDF: 2228.0/50

- sign 4.124+/-0.673 χ^2/NDF: 1037.5/25



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.303+/-0.038 χ^2/NDF:17919.1/8

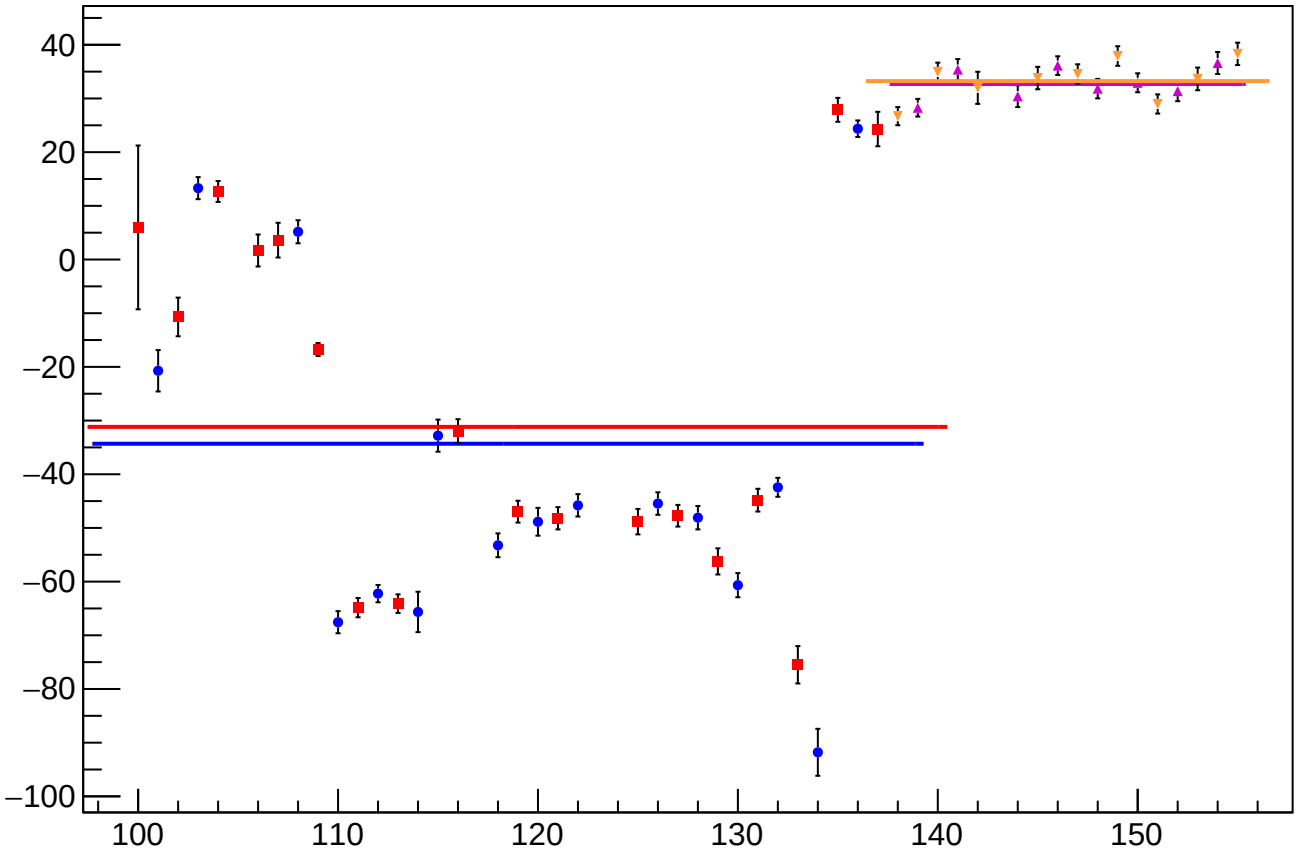
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.026+/-0.038 χ^2/NDF:12729.4/7

\+ sign -11.154+/-0.033 χ^2/NDF: 348547.5/24

All: -11.838+/-0.023 χ^2/NDF: 627316.3/50

\- sign -12.519+/-0.033 χ^2/NDF: 277900.3/25



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 33.233+/-0.646 χ^2/NDF:34.9/8

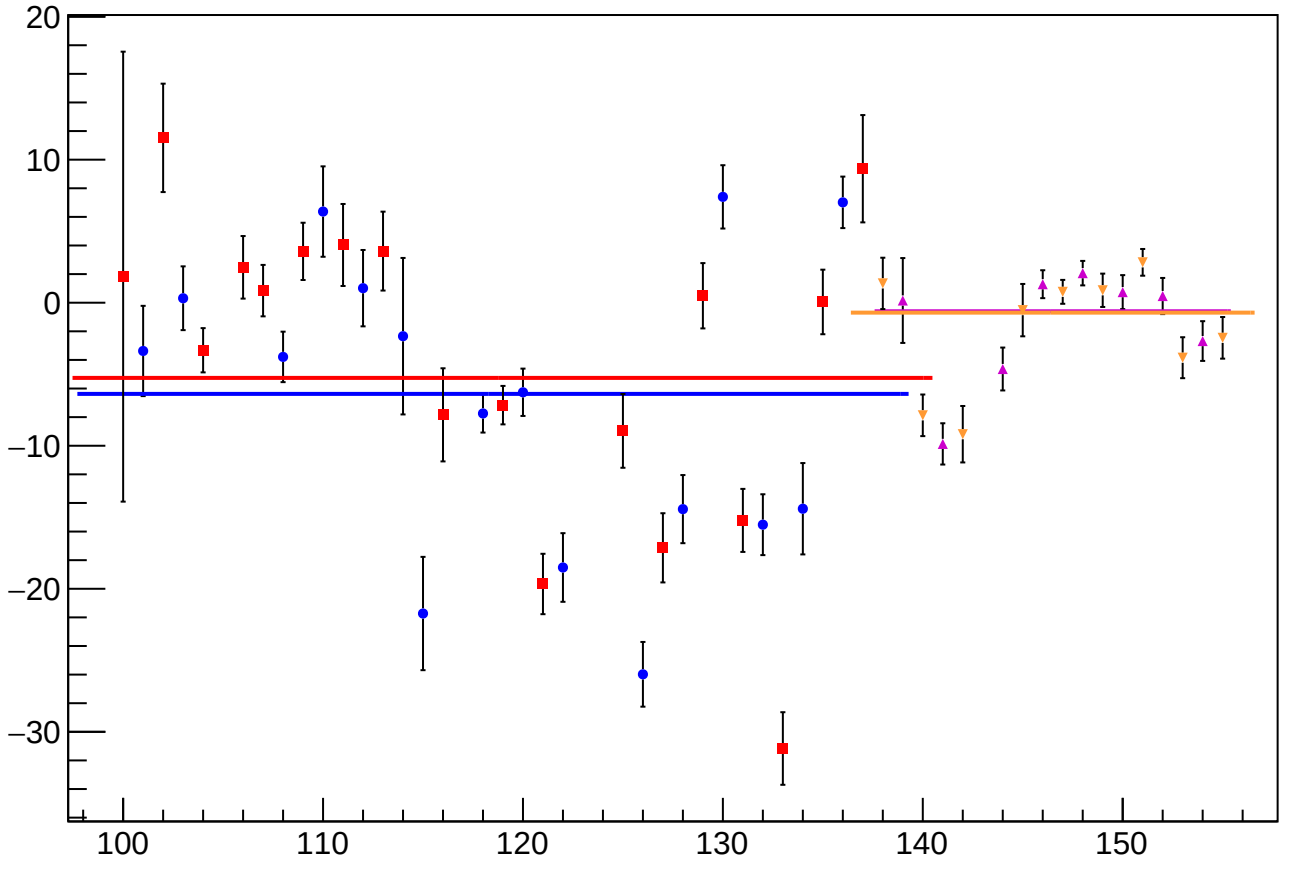
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.698+/-0.653 χ^2/NDF:18.6/7

+ sign -6.077+/-0.418 χ^2/NDF: 9891.9/24

All: -6.355+/-0.291 χ^2/NDF: 19009.5/50

- sign -6.615+/-0.405 χ^2/NDF: 9116.8/25



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.693+/-0.422 χ^2/NDF:69.5/8

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

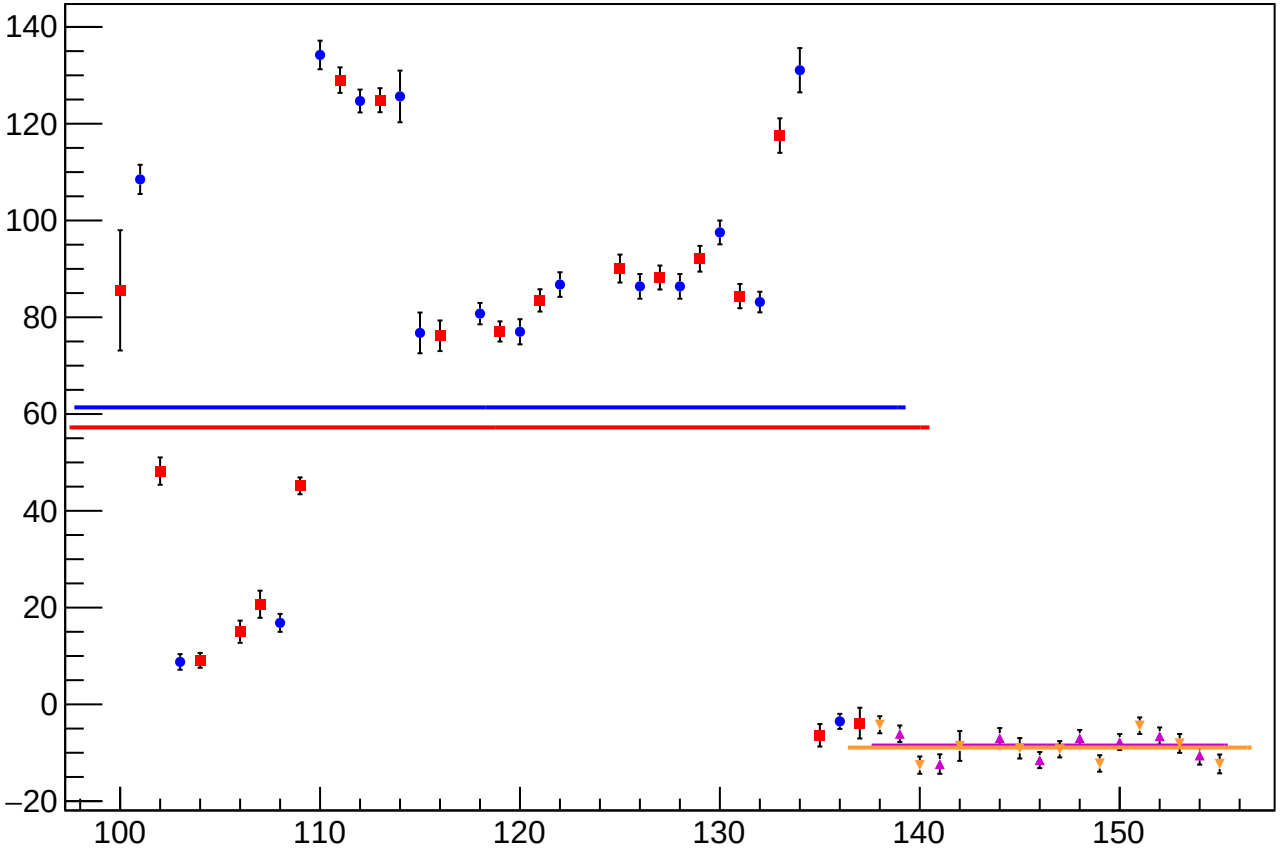
Left In: -0.599+/-0.434 χ^2/NDF:66.3/7

+ sign -2.782+/-0.336 χ^2/NDF: 419.8/24

All: -2.620+/-0.238 χ^2/NDF: 845.4/50

- sign -2.458+/-0.336 χ^2/NDF: 425.2/25

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: -8.923+/-0.629 χ^2/NDF:25.3/8

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

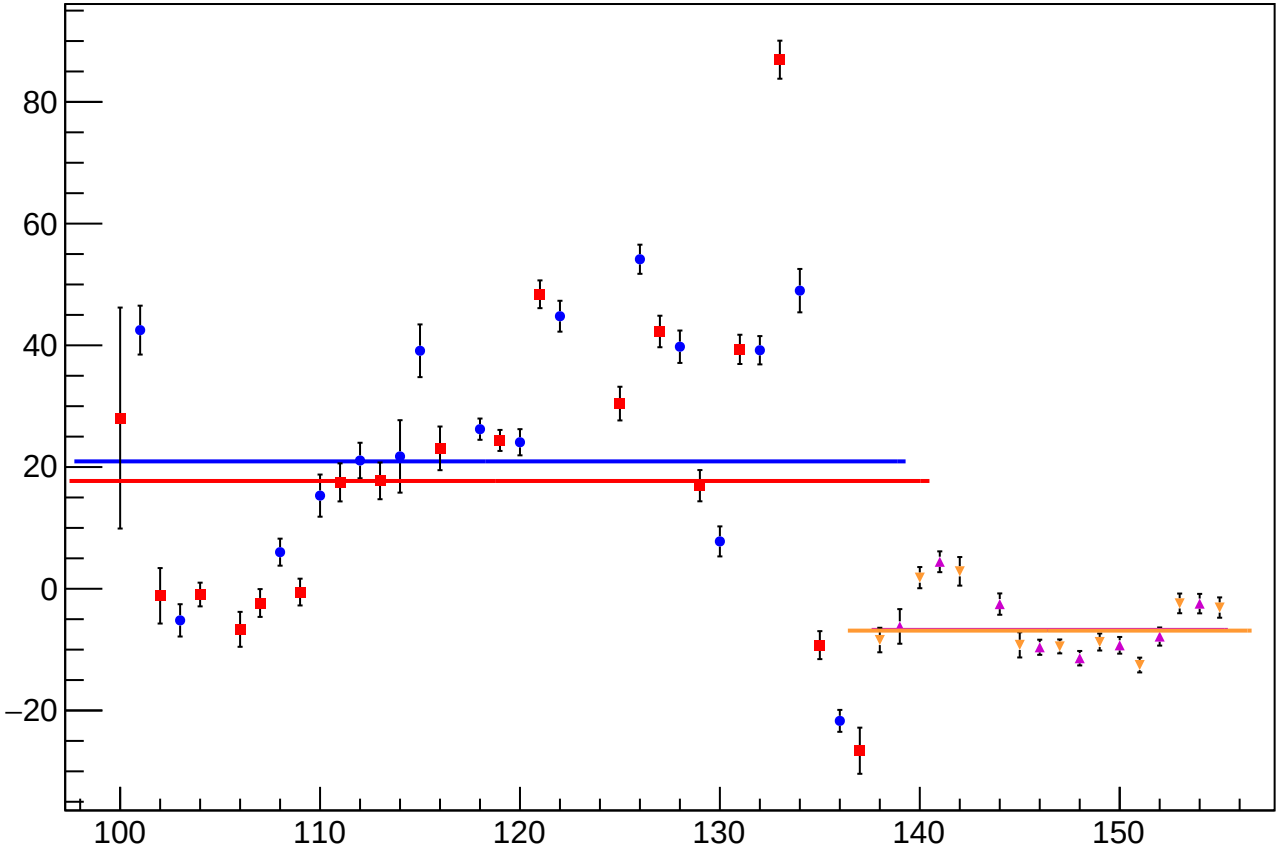
Left In: -8.509+/-0.635 χ^2/NDF:12.7/7

+ sign 28.224+/-0.432 χ^2/NDF: 12690.7/24

All: 27.775+/-0.304 χ^2/NDF: 23814.2/50

- sign 27.334+/-0.428 χ^2/NDF: 11121.4/25

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: -6.876+/-0.521 χ^2/NDF:85.5/8

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

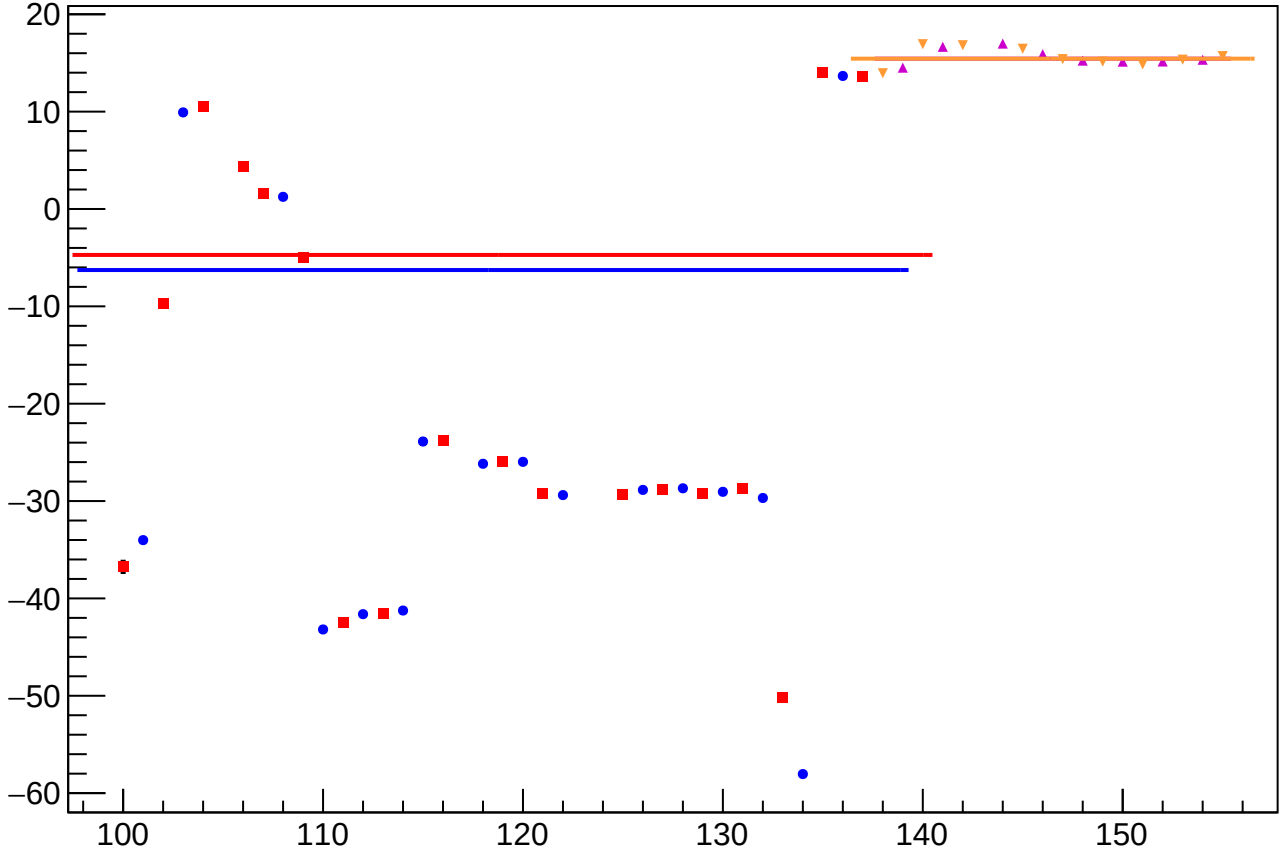
Left In: -6.759+/-0.533 χ^2/NDF:80.5/7

+ sign 4.202+/-0.404 χ^2/NDF: 2466.1/24

All: 3.944+/-0.286 χ^2/NDF: 4927.6/50

- sign 3.686+/-0.404 χ^2/NDF: 2460.7/25

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: 15.439+/-0.025 χ^2/NDF:1204.1/8

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

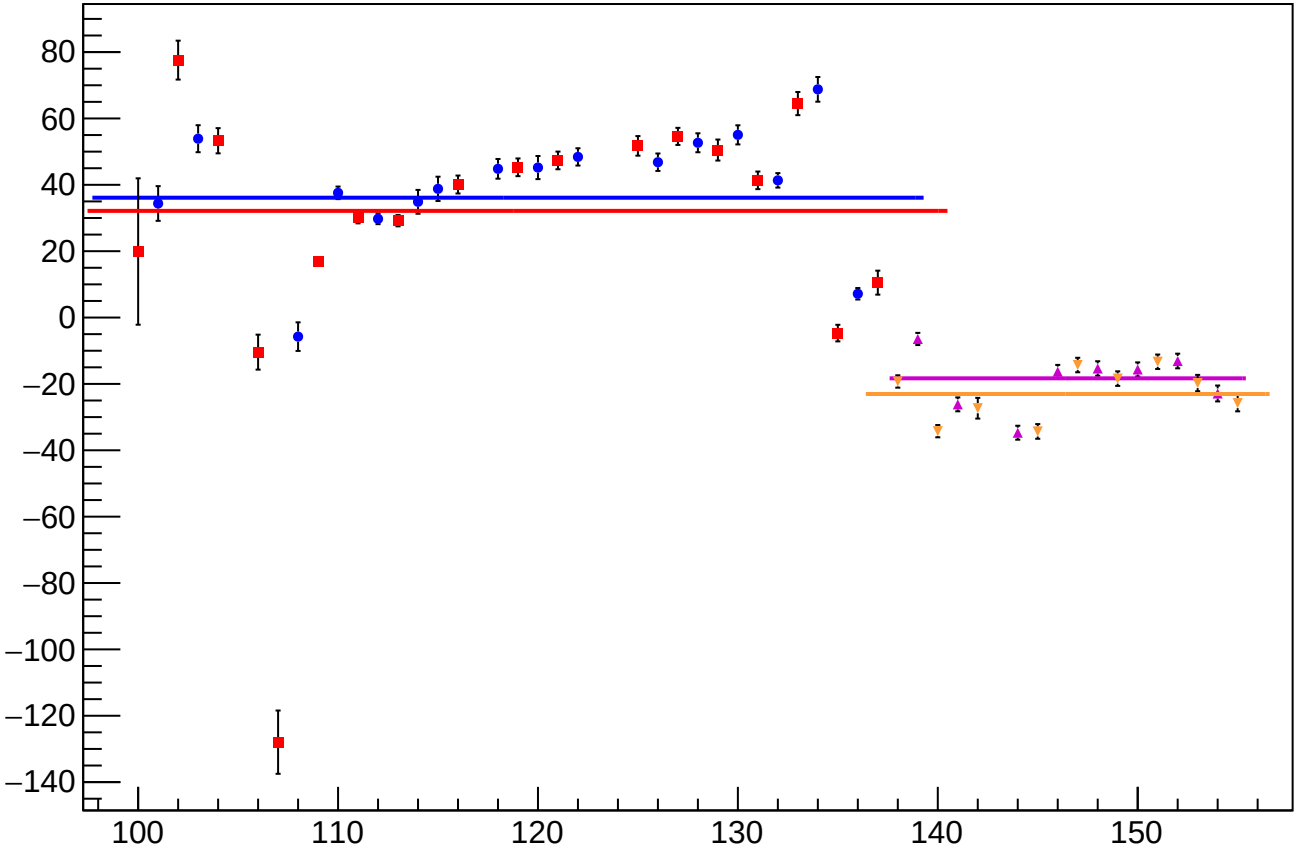
Left In: 15.438+/-0.025 χ^2/NDF:819.4/7

+ sign 7.757+/-0.020 χ^2/NDF: 684386.2/24

All: 8.082+/-0.014 χ^2/NDF: 1225563.0/50

- sign 8.408+/-0.020 χ^2/NDF: 540640.8/25

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -23.038+/-0.737 χ^2/NDF:111.9/8

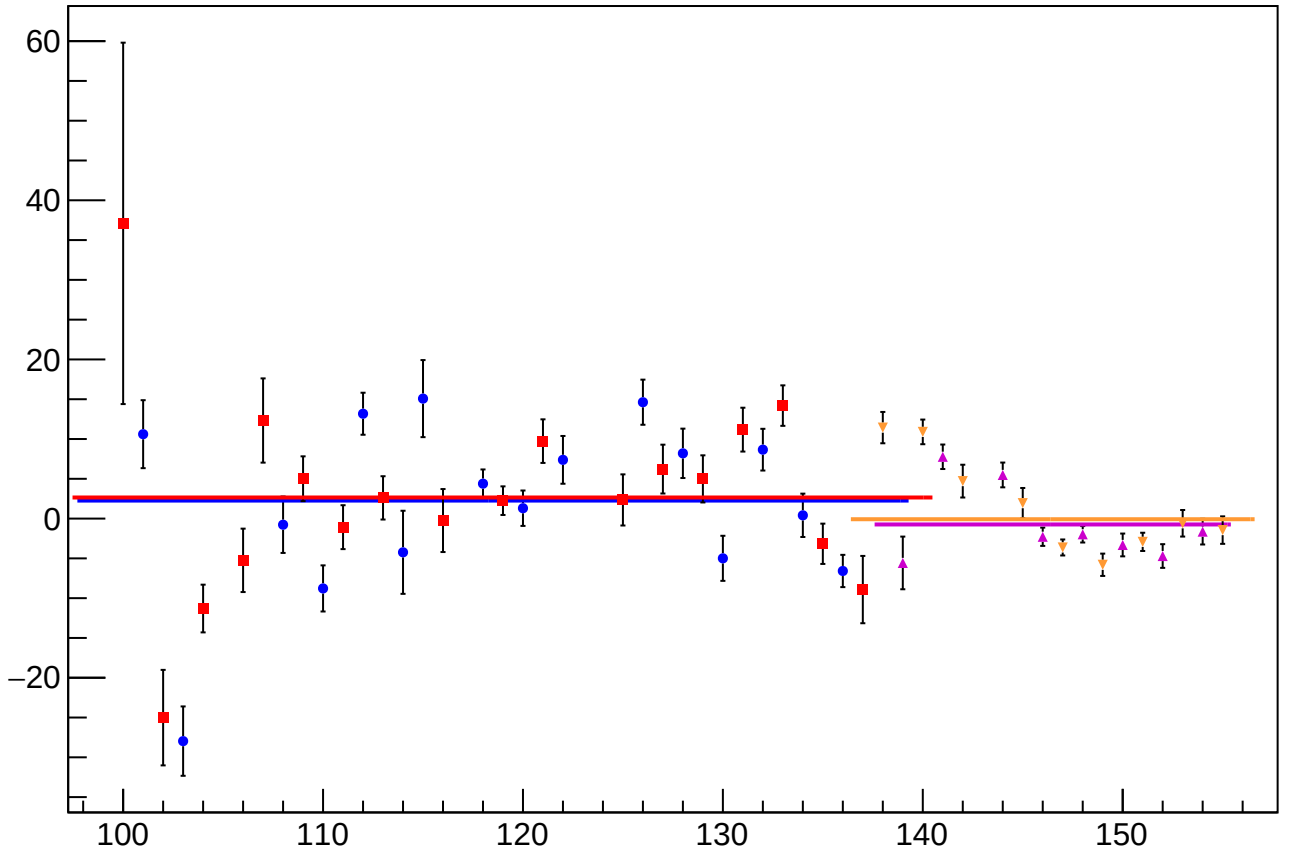
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -18.315+/-0.745 χ^2/NDF:130.1/7

+ sign 9.952+/-0.490 χ^2/NDF: 4326.9/24

All: 10.528+/-0.343 χ^2/NDF: 8247.7/50

- sign 11.084+/-0.481 χ^2/NDF: 3918.1/25



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: -0.080+/-0.492 χ^2/NDF:127.0/8

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

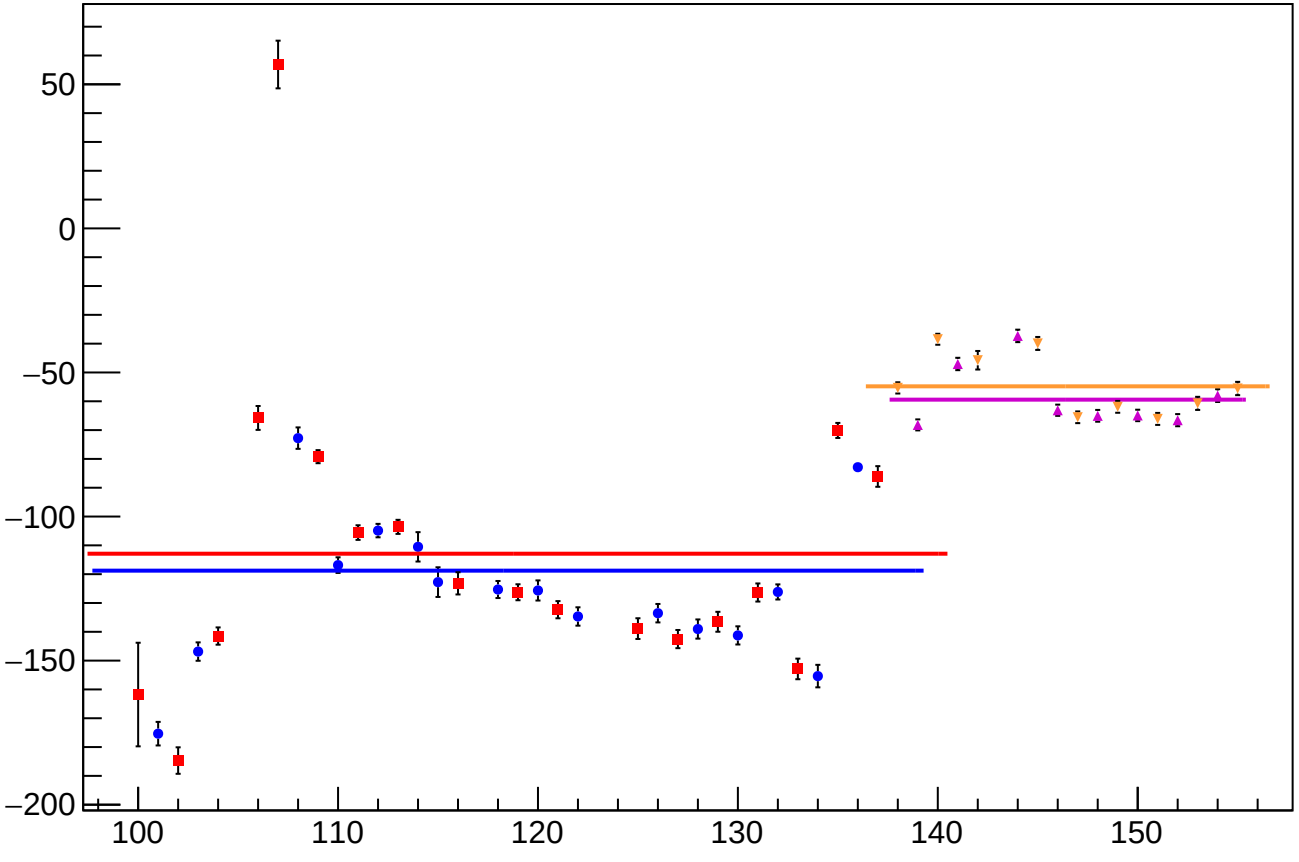
Left In: -0.738+/-0.504 χ^2/NDF:62.5/7

+ sign 0.692+/-0.403 χ^2/NDF: 286.5/24

All: 0.542+/-0.288 χ^2/NDF: 471.5/50

- sign 0.385+/-0.412 χ^2/NDF: 184.8/25

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -54.812+/-0.721 χ^2/NDF:201.4/8

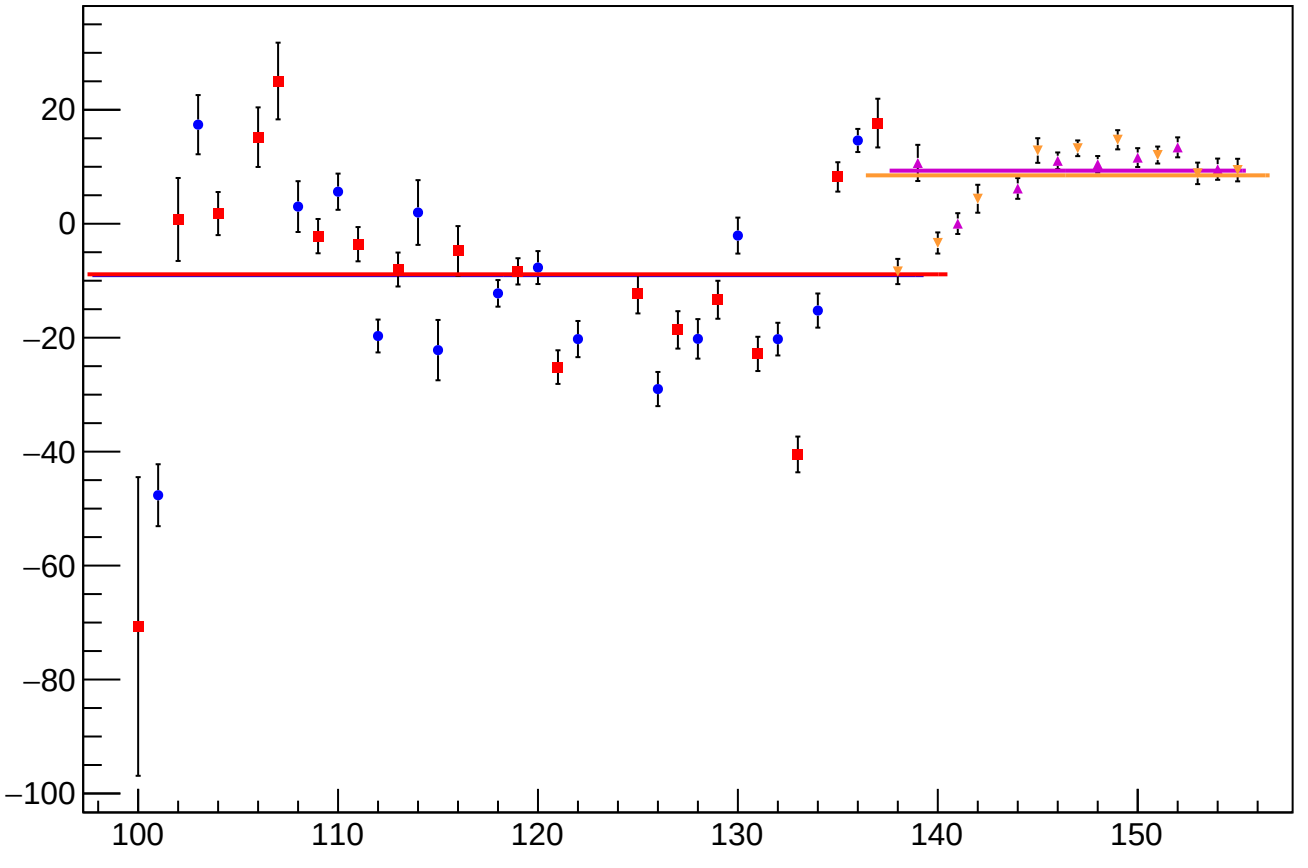
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.434+/-0.728 χ^2/NDF:189.0/7

\+ sign -85.255+/-0.522 χ^2/NDF: 5064.6/24

All: -85.124+/-0.371 χ^2/NDF: 9693.4/50

\- sign -84.991+/-0.526 χ^2/NDF: 4628.7/25



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.493+/-0.604 χ^2/NDF:137.6/8

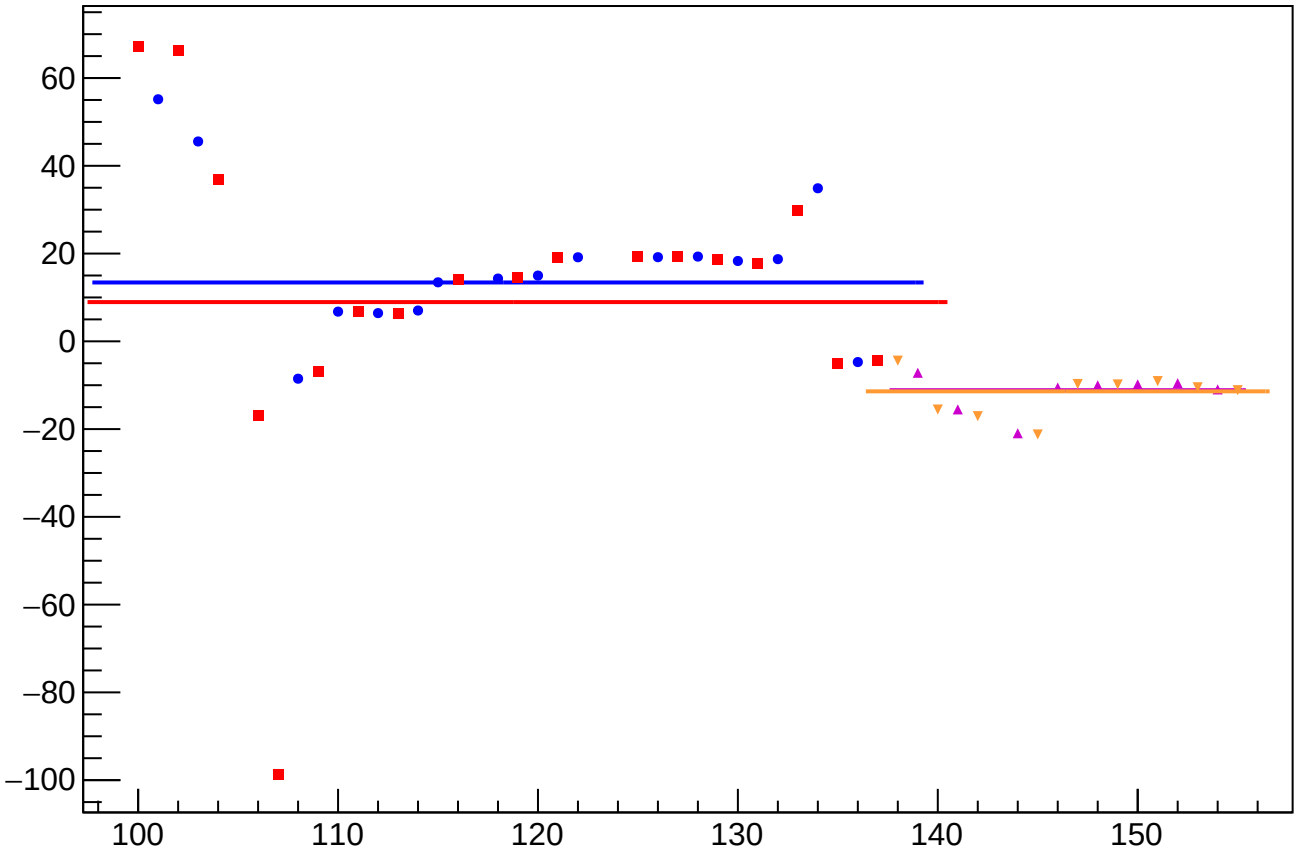
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 9.320+/-0.616 χ^2/NDF:38.5/7

+ sign 2.091+/-0.481 χ^2/NDF: 803.1/24

All: 2.365+/-0.343 χ^2/NDF: 1480.4/50

- sign 2.651+/-0.491 χ^2/NDF: 676.6/25



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.398+/-0.028 χ^2/NDF:26471.4/8

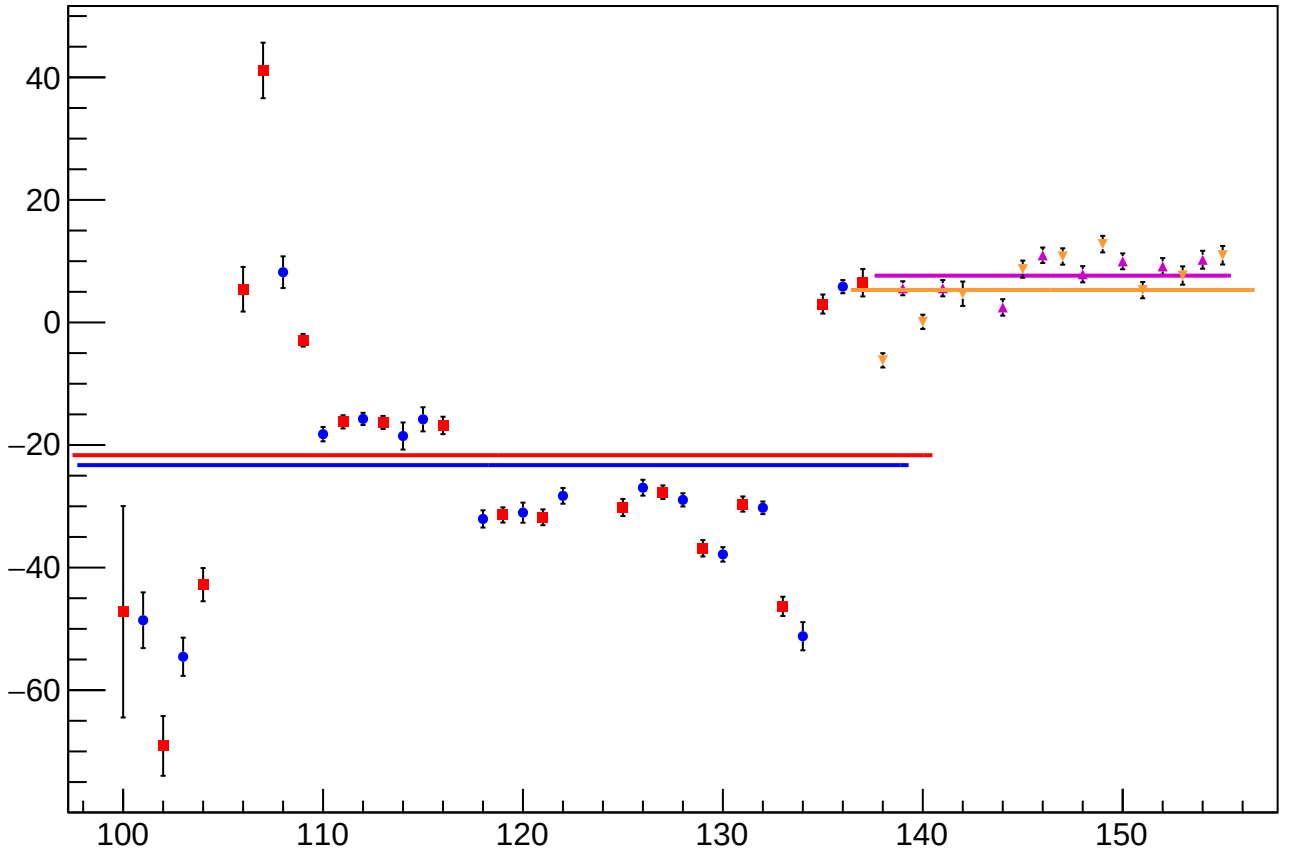
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.131+/-0.028 χ^2/NDF:17112.0/7

+ sign -4.385+/-0.024 χ^2/NDF: 425512.2/24

All: -5.109+/-0.017 χ^2/NDF: 867741.7/50

- sign -5.848+/-0.024 χ^2/NDF: 440400.1/25



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 5.305+/-0.457 χ^2/NDF:186.7/8

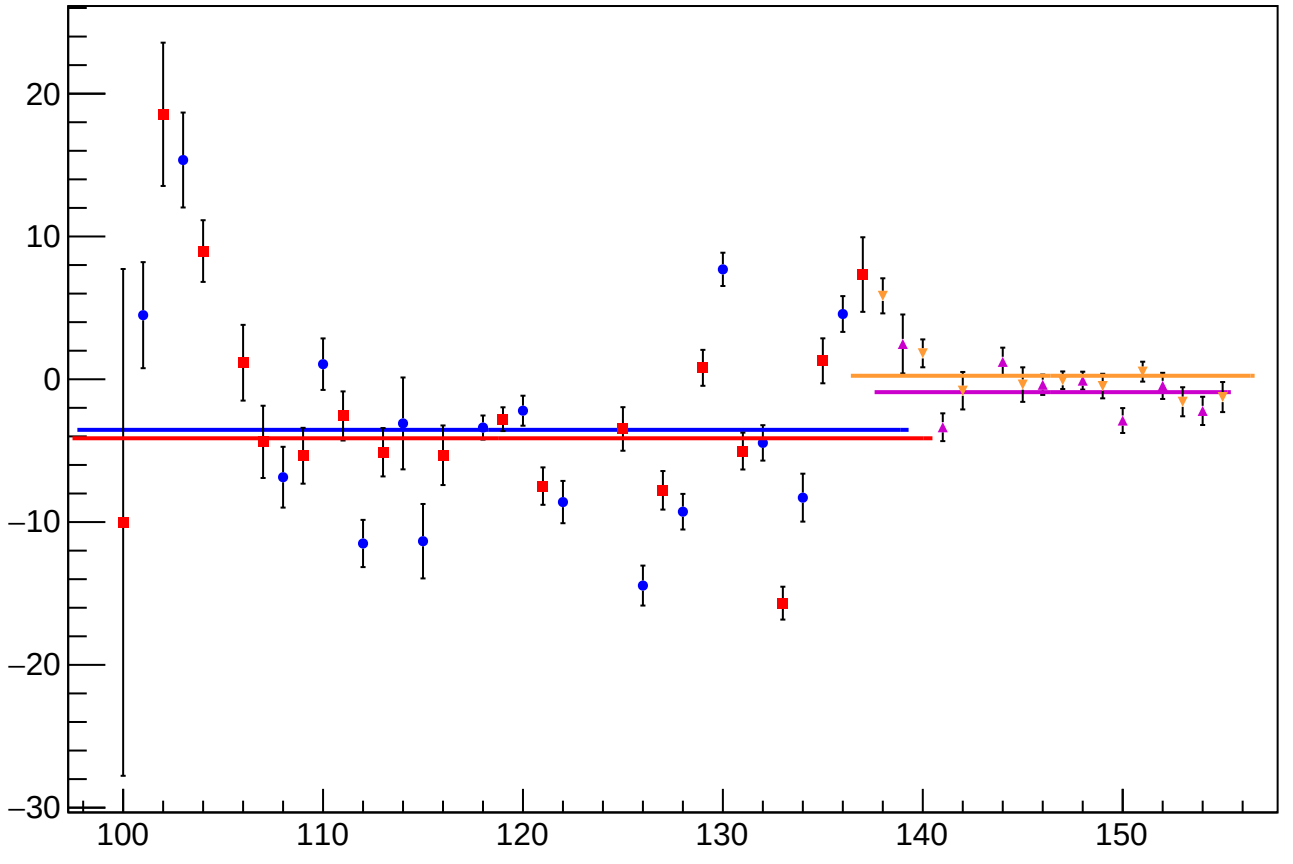
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.641+/-0.462 χ^2/NDF:35.1/7

+ sign -12.692+/-0.278 χ^2/NDF: 4220.1/24

All: -11.881+/-0.196 χ^2/NDF: 8656.9/50

- sign -11.074+/-0.278 χ^2/NDF: 4419.8/25



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.246+/-0.303 χ^2/NDF:30.6/8

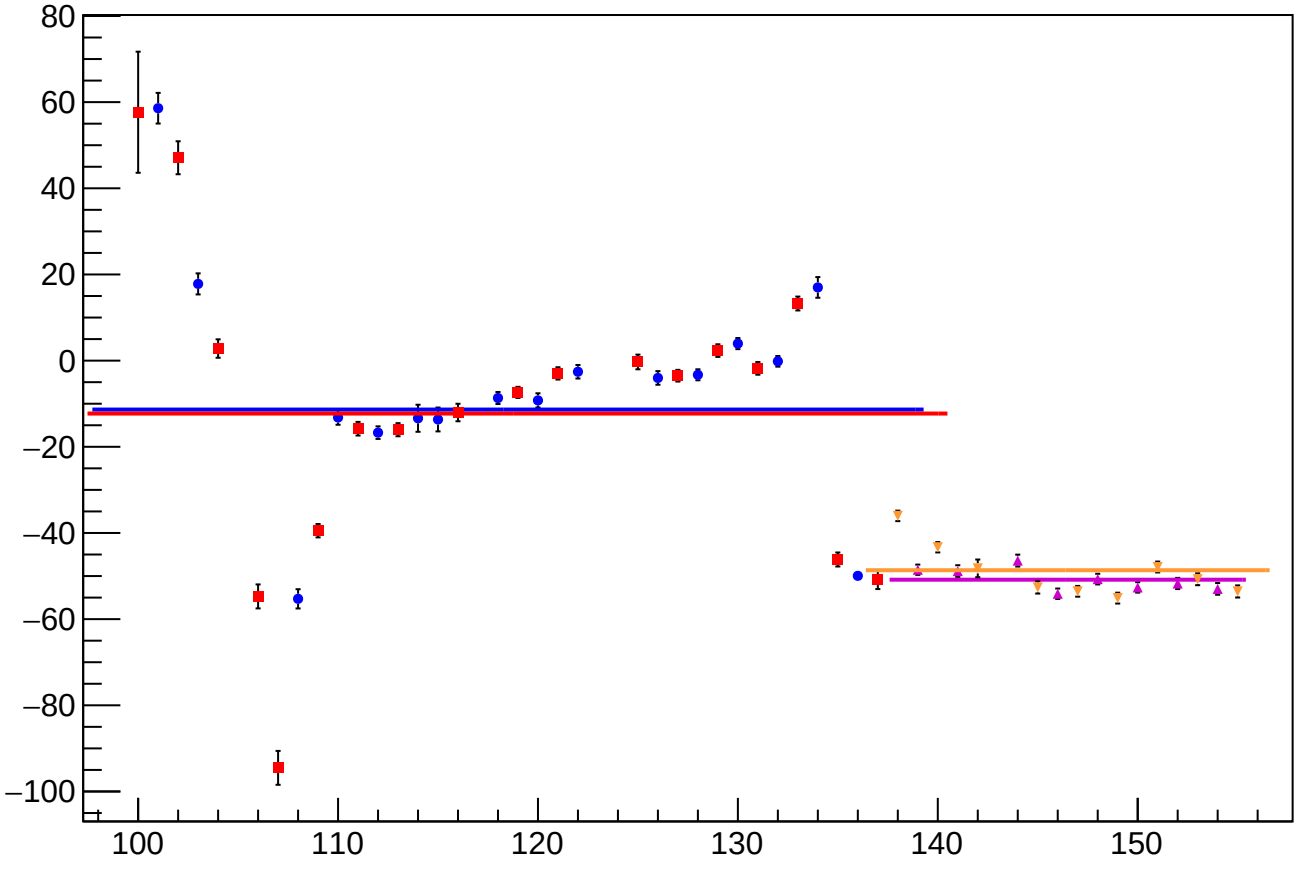
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.901+/-0.311 χ^2/NDF:23.0/7

+ sign -1.311+/-0.233 χ^2/NDF: 411.6/24

All: -1.762+/-0.166 χ^2/NDF: 714.4/50

- sign -2.234+/-0.238 χ^2/NDF: 295.1/25



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.647+/-0.446 χ^2/NDF:191.5/8

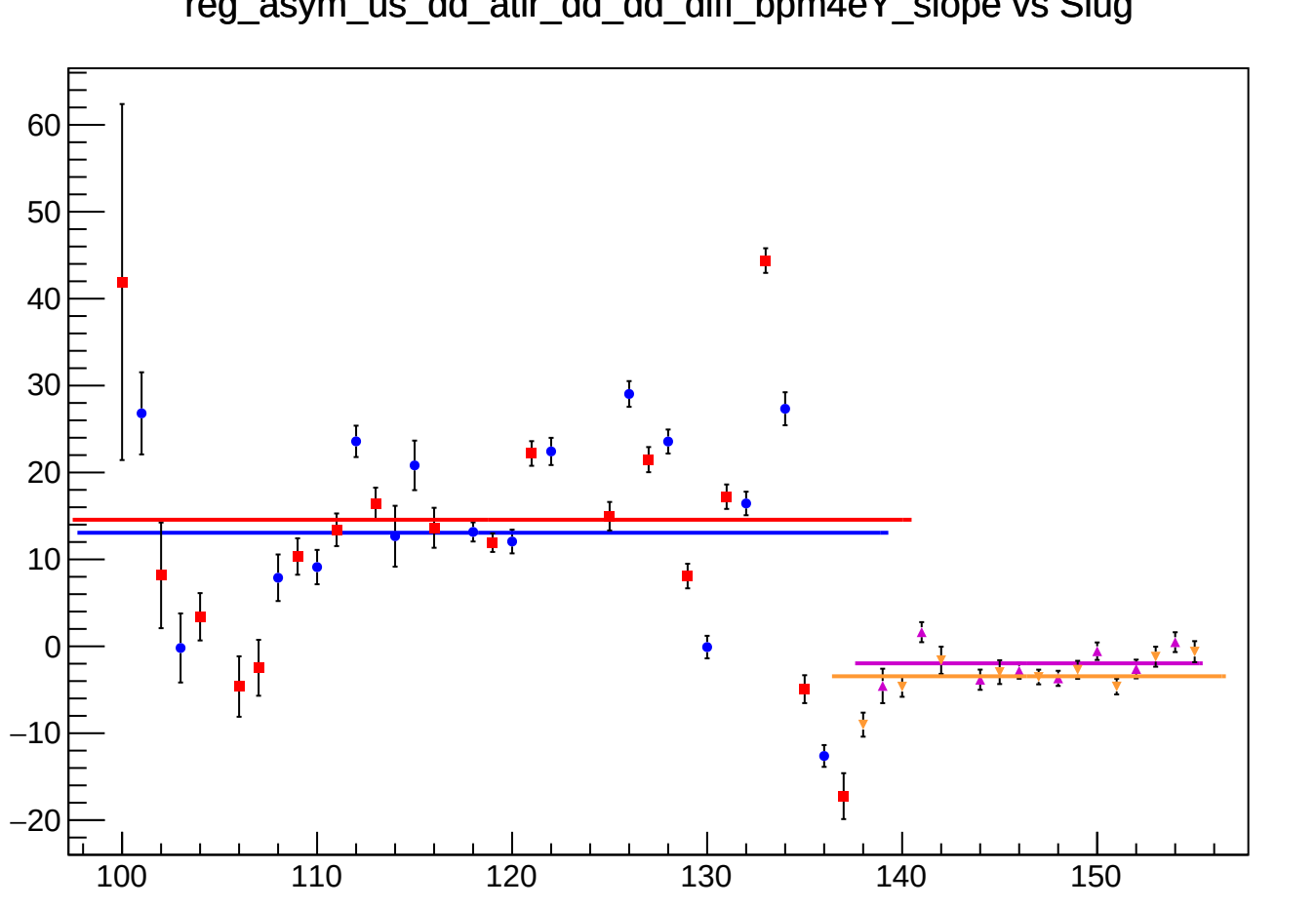
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.845+/-0.451 χ^2/NDF:28.6/7

+ sign -28.227+/-0.300 χ^2/NDF: 6676.2/24

All: -29.045+/-0.214 χ^2/NDF: 13288.0/50

- sign -29.887+/-0.305 χ^2/NDF: 6596.7/25



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.447+/-0.373 χ^2/NDF:30.3/8

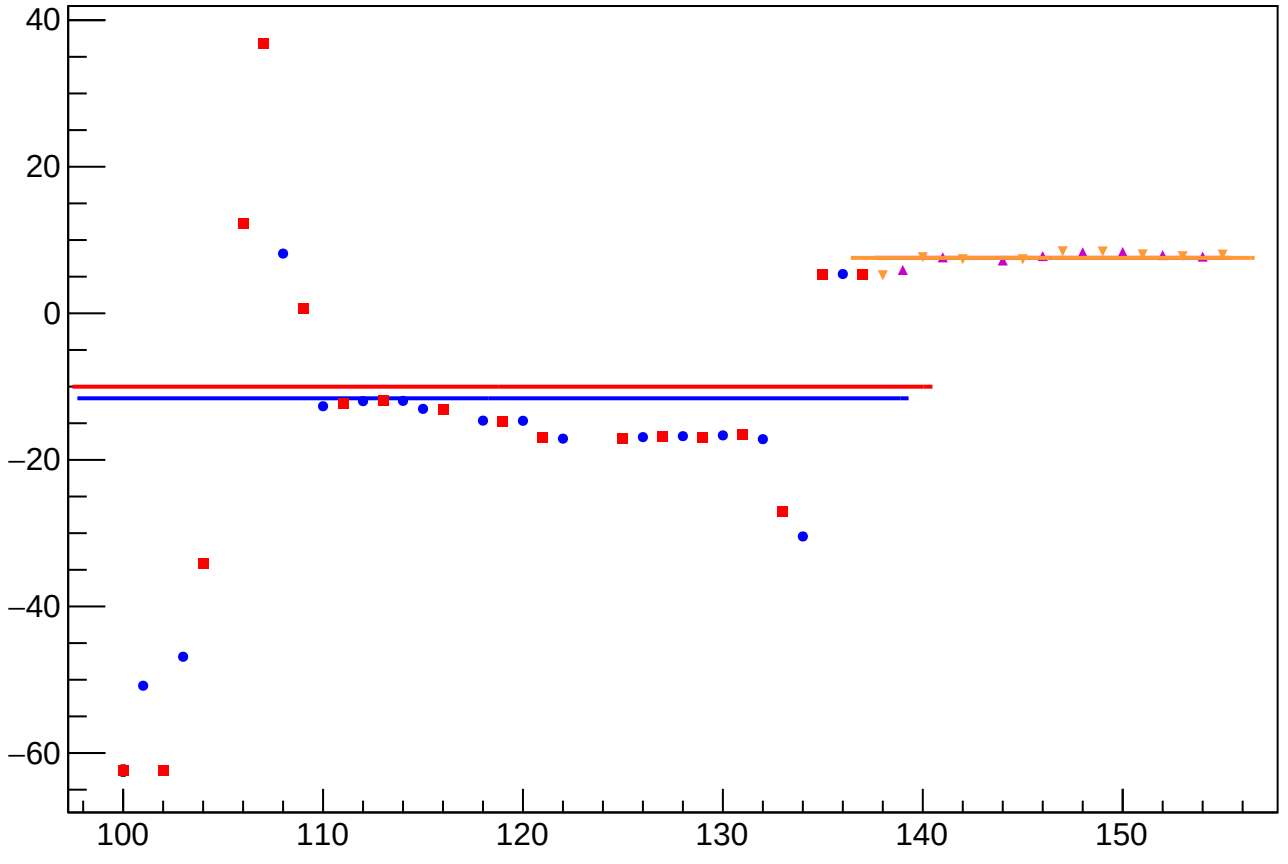
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.958+/-0.381 χ^2/NDF:25.7/7

\+ sign 3.930+/-0.277 χ^2/NDF: 1770.9/24

All: 4.671+/-0.198 χ^2/NDF: 3558.4/50

\- sign 5.443+/-0.283 χ^2/NDF: 1772.9/25



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.567+/-0.018 χ^2/NDF:3208.4/8

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

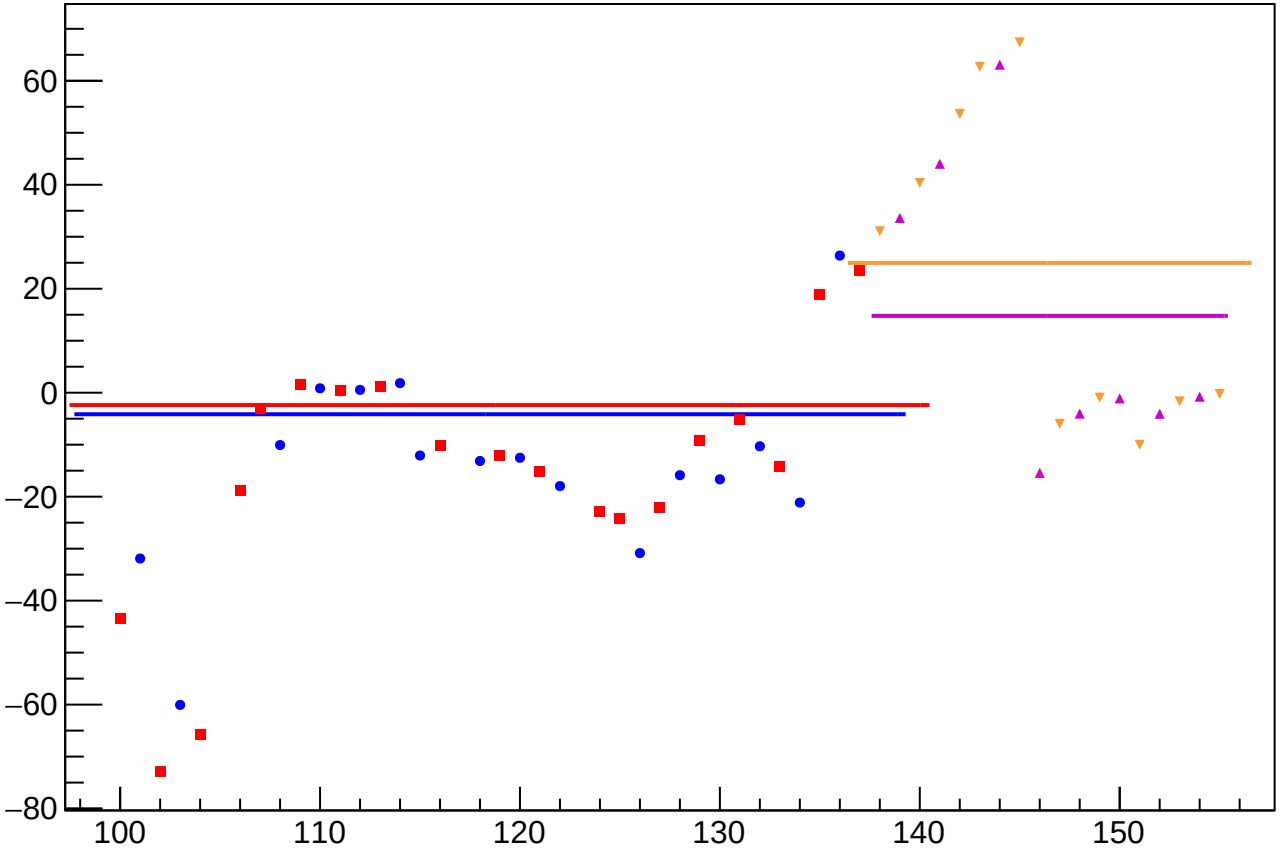
Left In: 7.569+/-0.018 χ^2/NDF:2146.2/7

+ sign 1.657+/-0.015 χ^2/NDF: 730609.1/24

All: 2.065+/-0.010 χ^2/NDF: 1422203.9/50

- sign 2.481+/-0.015 χ^2/NDF: 690021.1/25

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 24.967+/-0.088 χ^2/NDF:87391.8/9

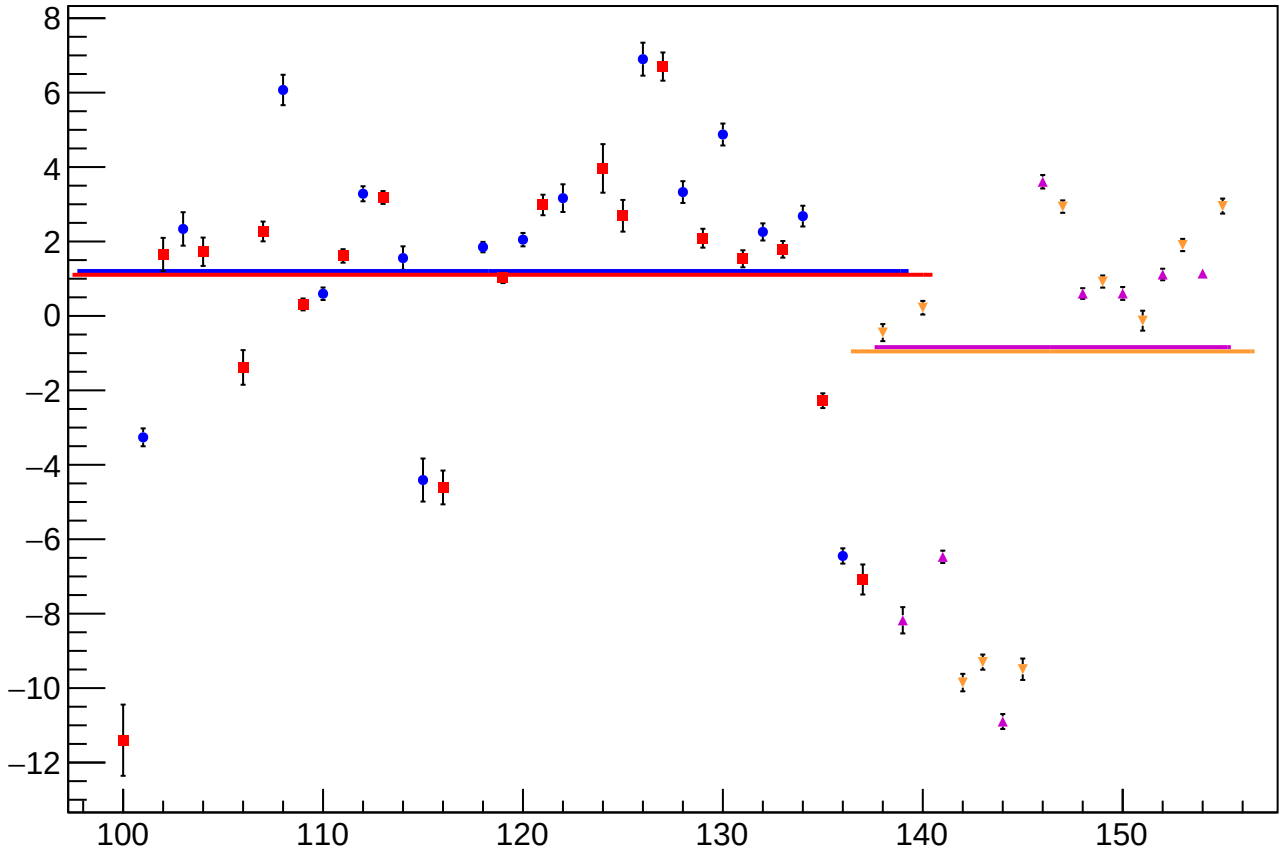
Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 14.783+/-0.081 χ^2/NDF:90256.9/7

+ sign 3.994+/-0.046 χ^2/NDF: 241904.0/25

All: 2.766+/-0.030 χ^2/NDF: 448268.2/52

- sign 1.851+/-0.040 χ^2/NDF: 205142.2/26



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.953+/-0.063 χ^2/NDF:5401.9/9

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

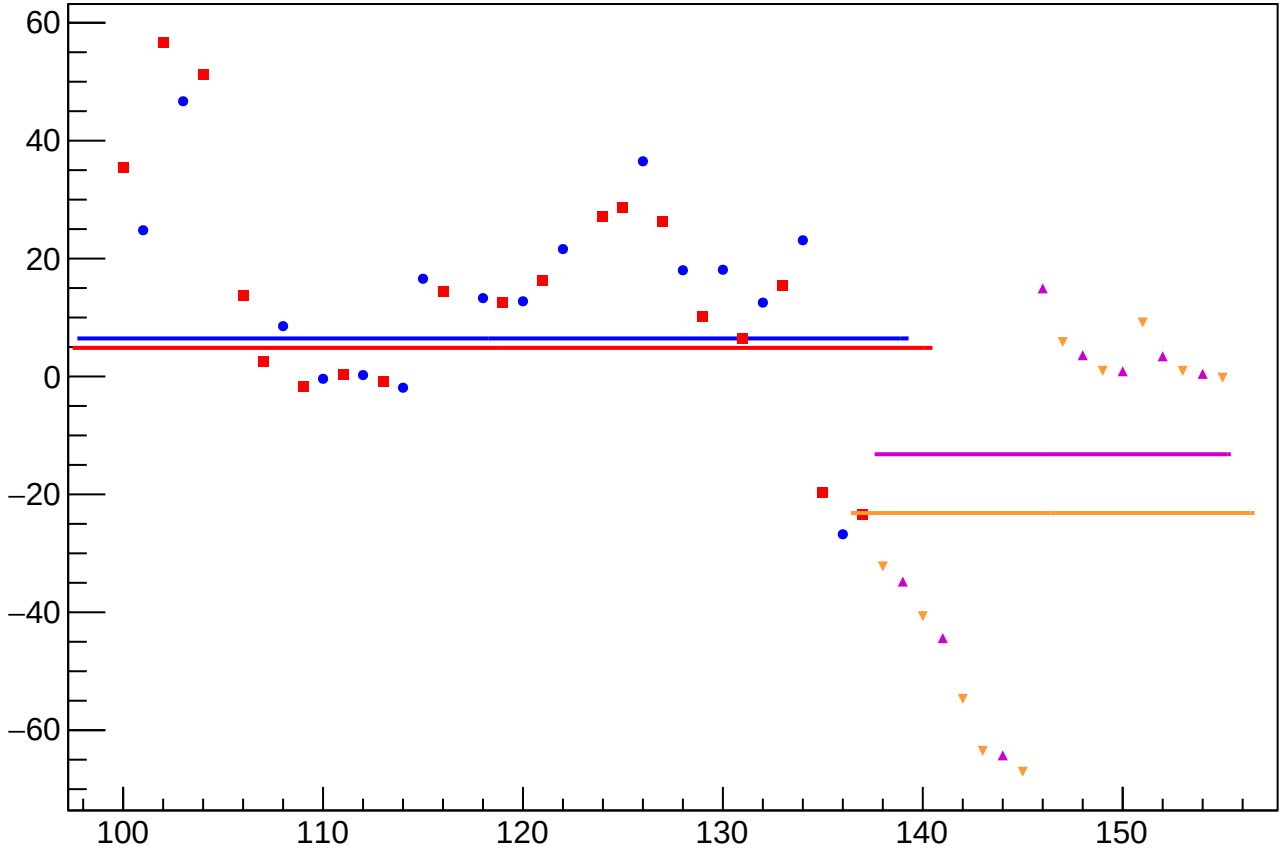
Left In: -0.839+/-0.057 χ^2/NDF:5367.8/7

+ sign 0.172+/-0.044 χ^2/NDF: 8597.4/25

All: 0.145+/-0.030 χ^2/NDF: 16137.9/52

- sign 0.121+/-0.040 χ^2/NDF: 7539.7/26

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -23.162+/-0.087 χ^2/NDF:90874.3/9

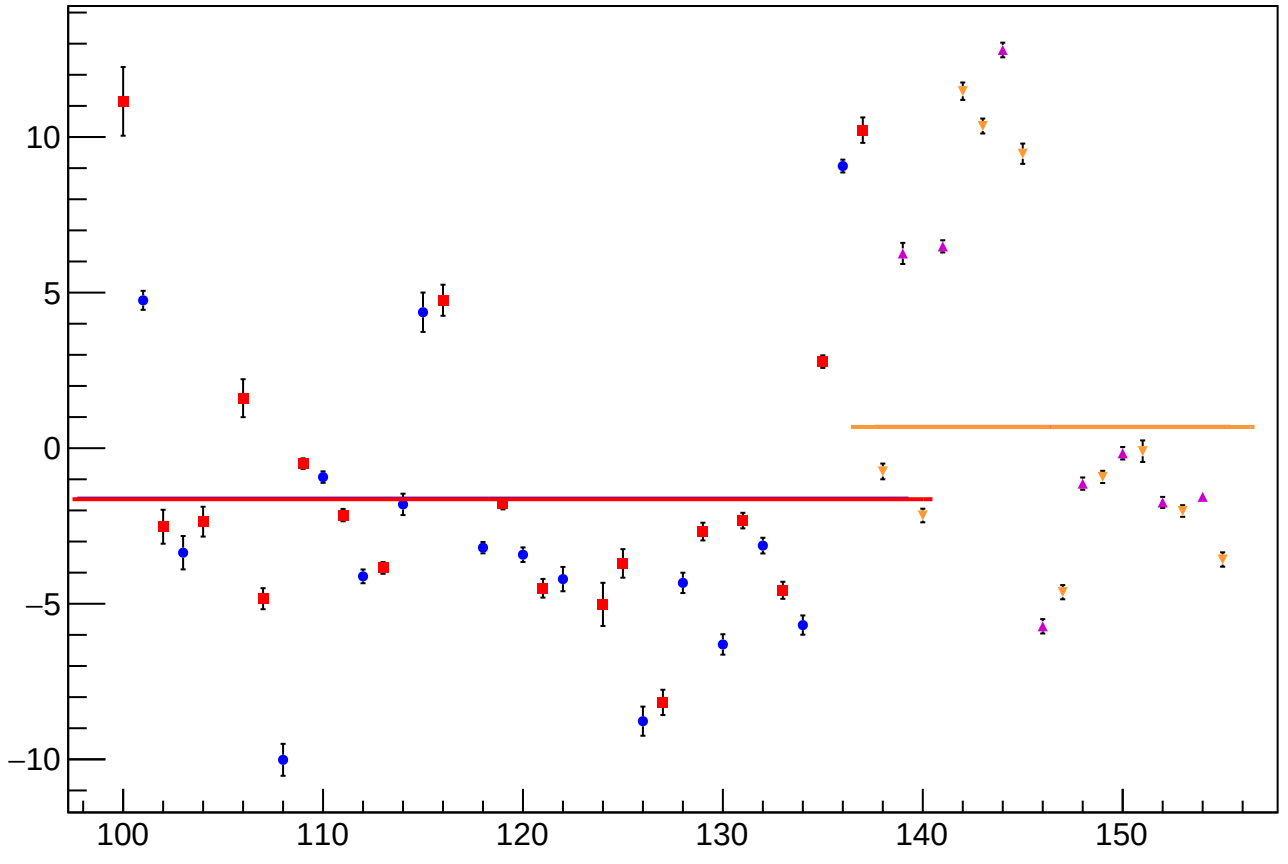
Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -13.190+/-0.078 χ^2/NDF:92412.9/7

+ sign -4.271+/-0.052 χ^2/NDF: 236222.8/25

All: -2.874+/-0.035 χ^2/NDF: 439156.7/52

- sign -1.729+/-0.047 χ^2/NDF: 201625.3/26



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 0.682+/-0.075 χ^2/NDF:5199.9/9

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

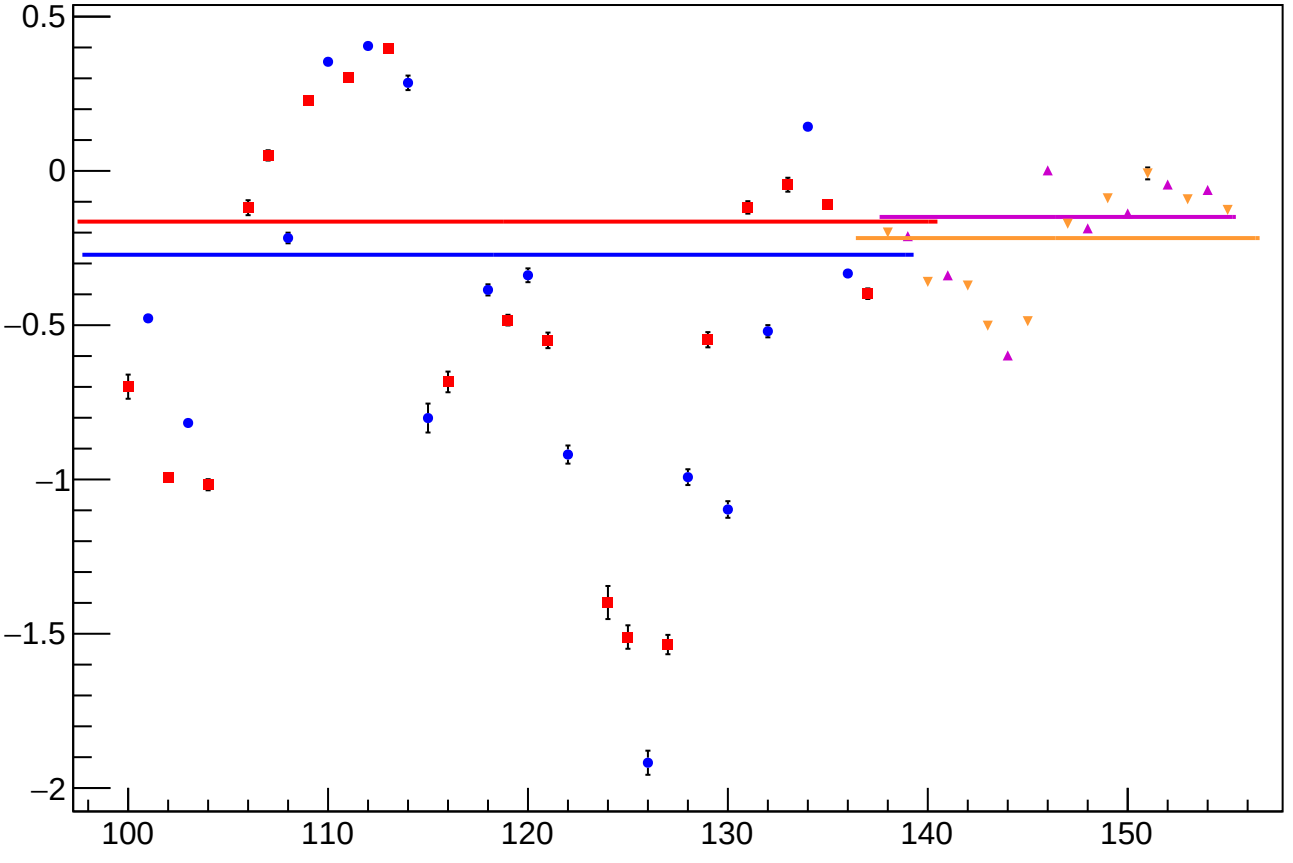
Left In: 0.685+/-0.067 χ^2/NDF:5190.0/7

\+ sign -0.559+/-0.051 χ^2/NDF: 10230.5/25

All: -0.540+/-0.034 χ^2/NDF: 18505.2/52

\- sign -0.524+/-0.047 χ^2/NDF: 8274.5/26

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.218+/-0.003 χ^2/NDF:1935.2/9

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

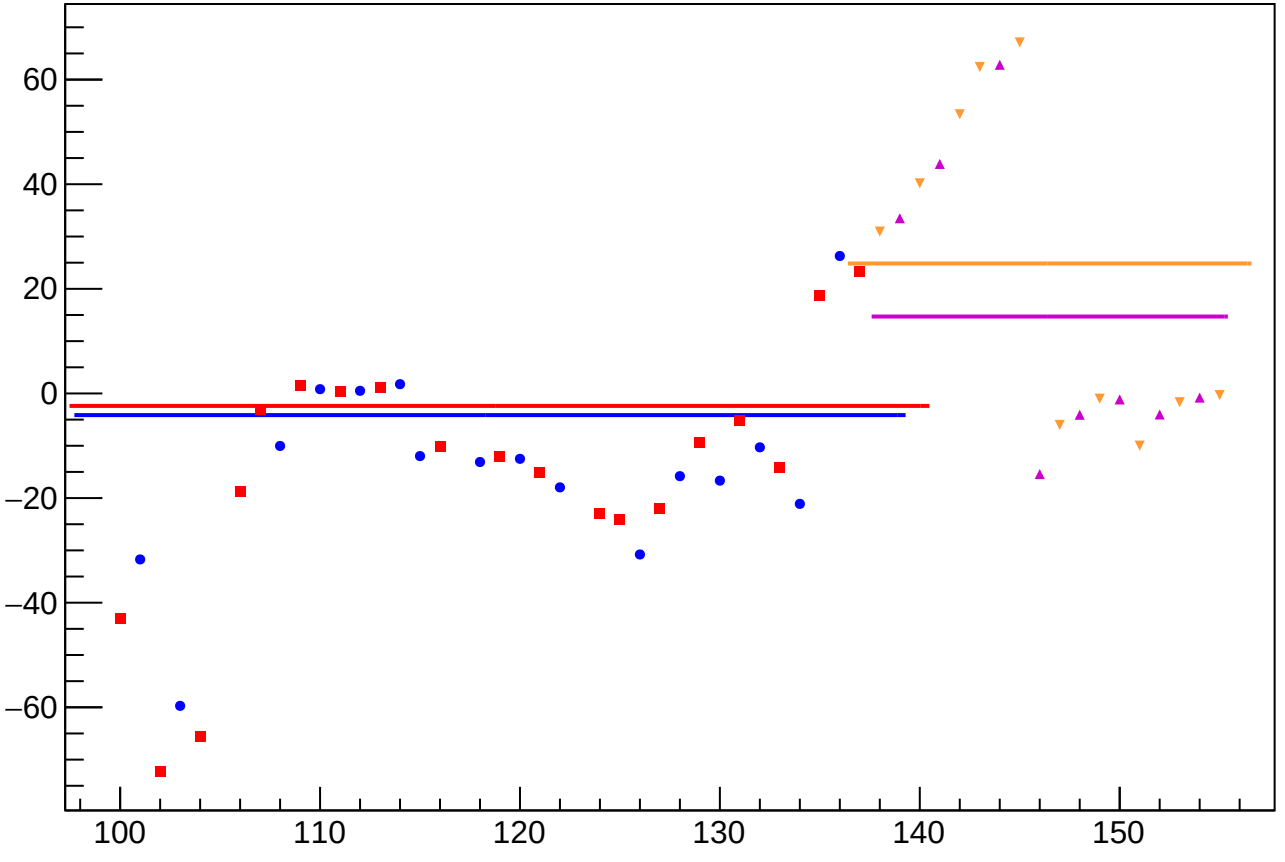
Left In: -0.149+/-0.003 χ^2/NDF:2408.1/7

+ sign -0.239+/-0.003 χ^2/NDF: 14085.7/25

All: -0.192+/-0.002 χ^2/NDF: 32588.8/52

- sign -0.155+/-0.002 χ^2/NDF: 17915.2/26

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 24.846+/-0.087 χ^2/NDF:87345.1/9

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

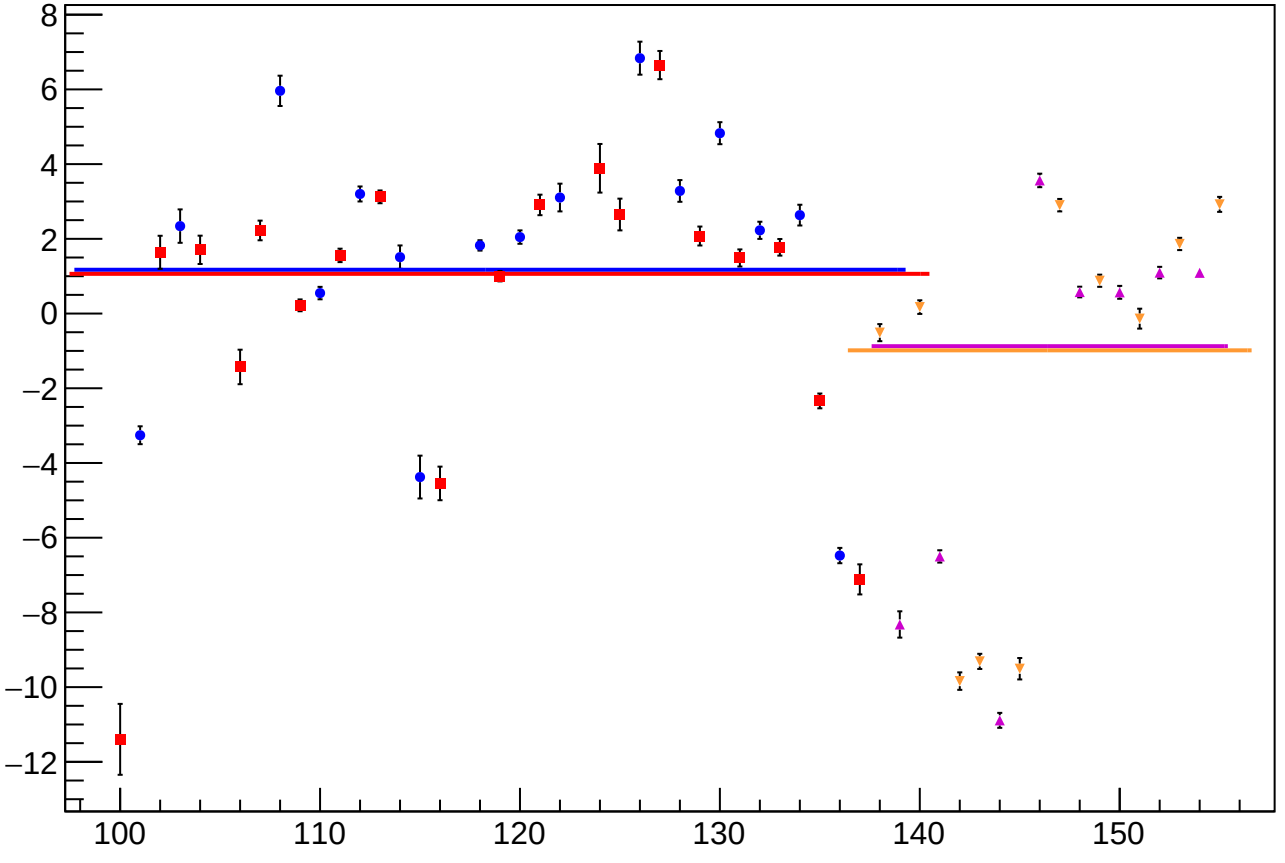
Left In: 14.706+/-0.080 χ^2/NDF:90226.2/7

+ sign 3.932+/-0.046 χ^2/NDF: 241795.9/25

All: 2.717+/-0.030 χ^2/NDF: 447988.6/52

- sign 1.813+/-0.040 χ^2/NDF: 204984.0/26

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.985+/-0.063 χ^2/NDF:5405.9/9

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

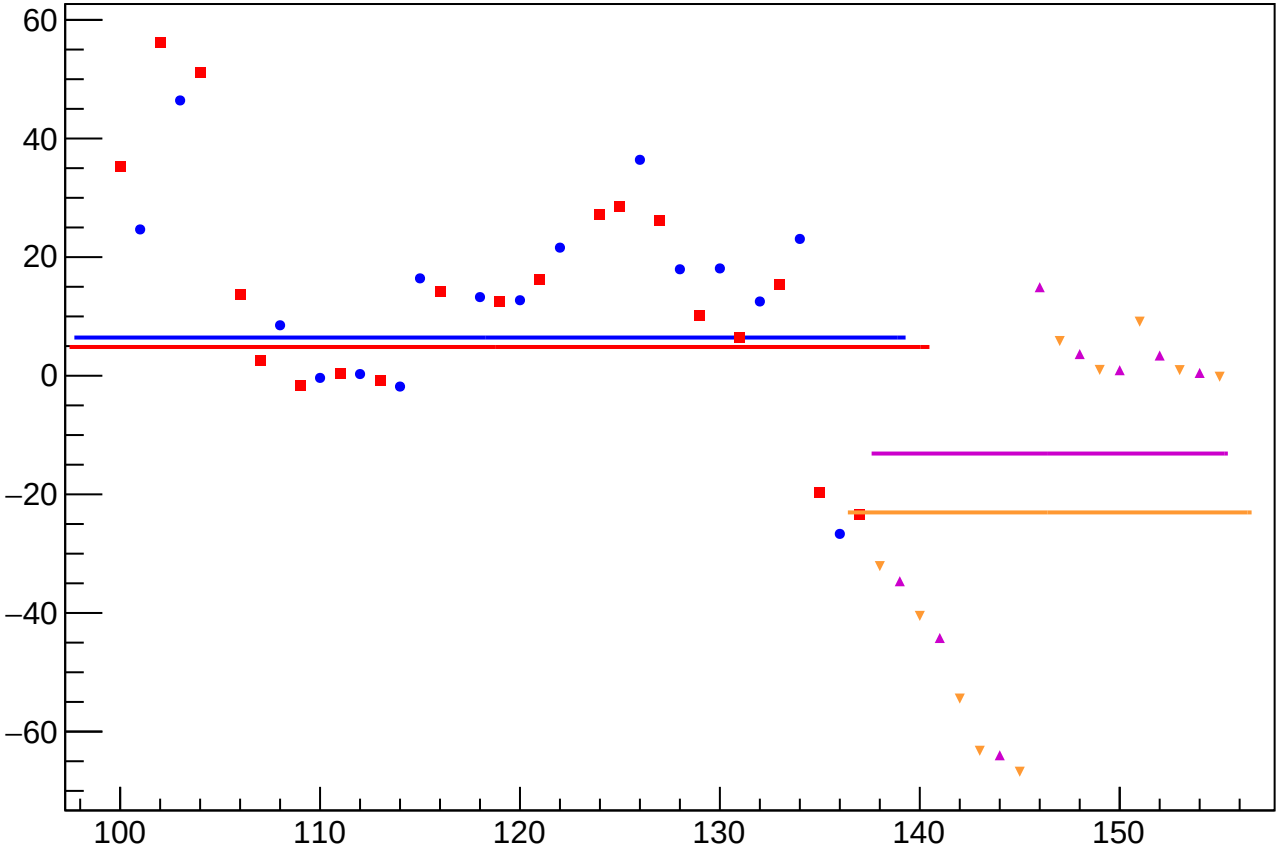
Left In: -0.874+/-0.056 χ^2/NDF:5388.2/7

+ sign 0.141+/-0.043 χ^2/NDF: 8605.7/25

All: 0.111+/-0.029 χ^2/NDF: 16176.0/52

- sign 0.084+/-0.040 χ^2/NDF: 7569.3/26

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -23.047+/-0.086 χ^2/NDF:90817.7/9

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

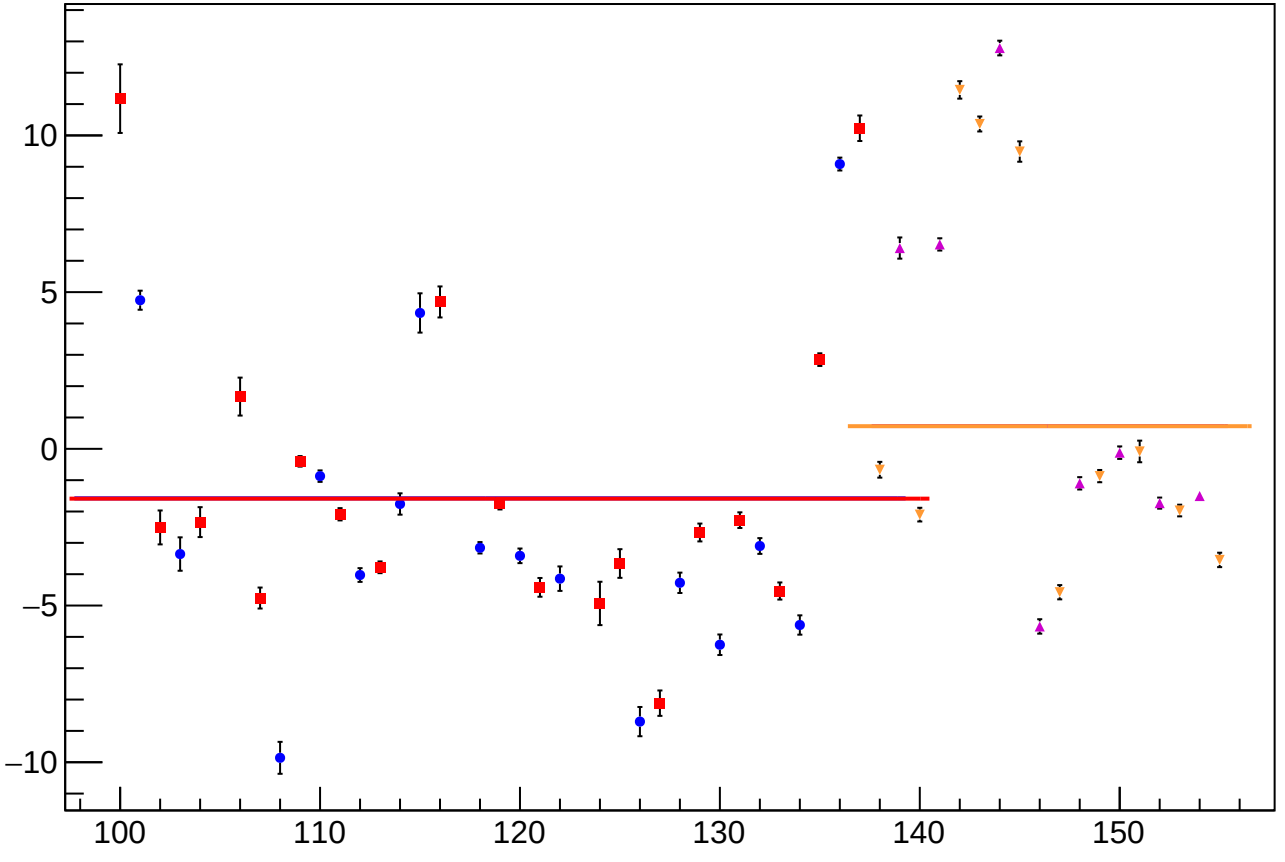
Left In: -13.119+/-0.078 χ^2/NDF:92371.7/7

+ sign -4.206+/-0.052 χ^2/NDF: 236107.5/25

All: -2.821+/-0.035 χ^2/NDF: 438866.3/52

- sign -1.685+/-0.047 χ^2/NDF: 201458.7/26

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 0.723+/-0.075 χ^2/NDF:5198.3/9

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

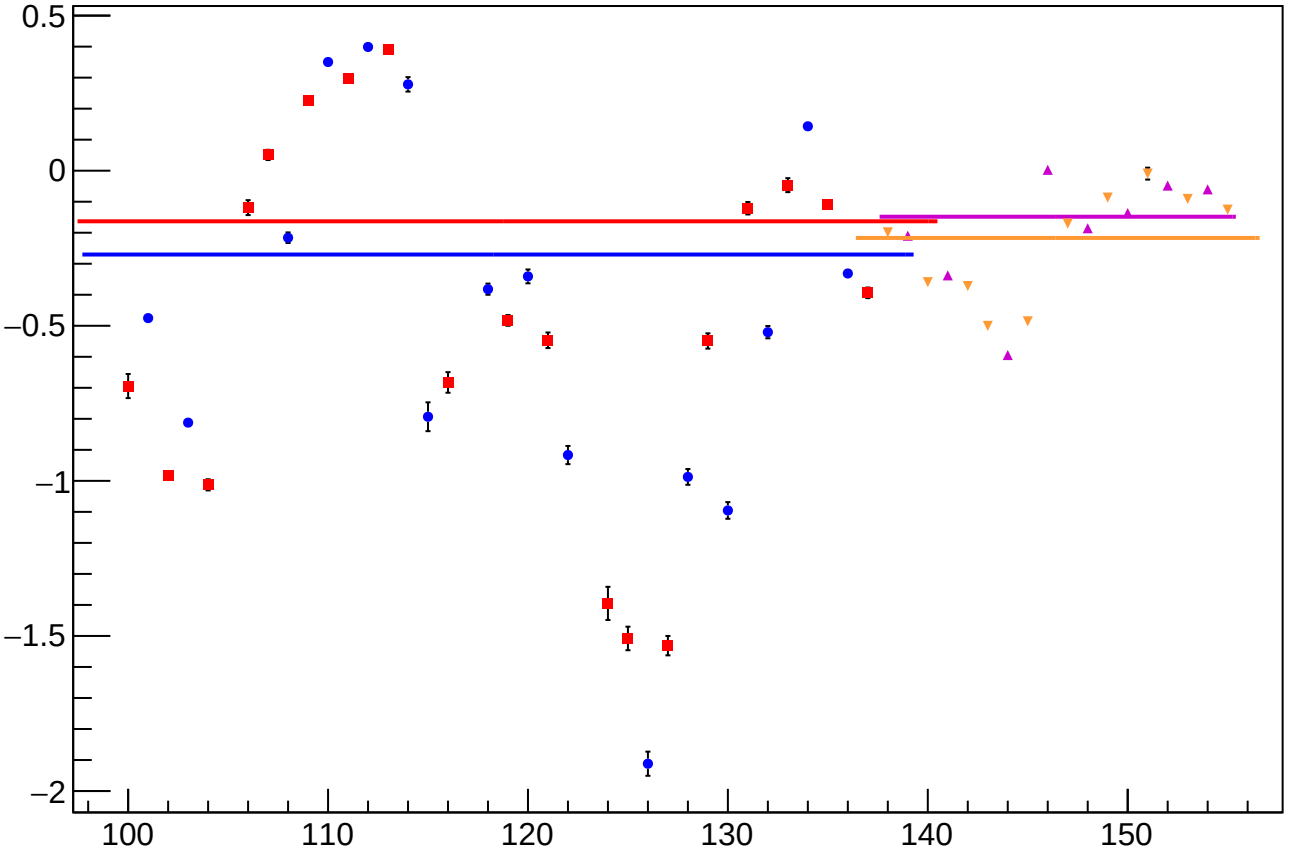
Left In: 0.727+/-0.067 χ^2/NDF:5207.1/7

+ sign -0.520+/-0.051 χ^2/NDF: 10231.8/25

All: -0.498+/-0.034 χ^2/NDF: 18534.2/52

- sign -0.480+/-0.046 χ^2/NDF: 8302.1/26

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.217+/-0.003 χ^2/NDF:1948.2/9

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

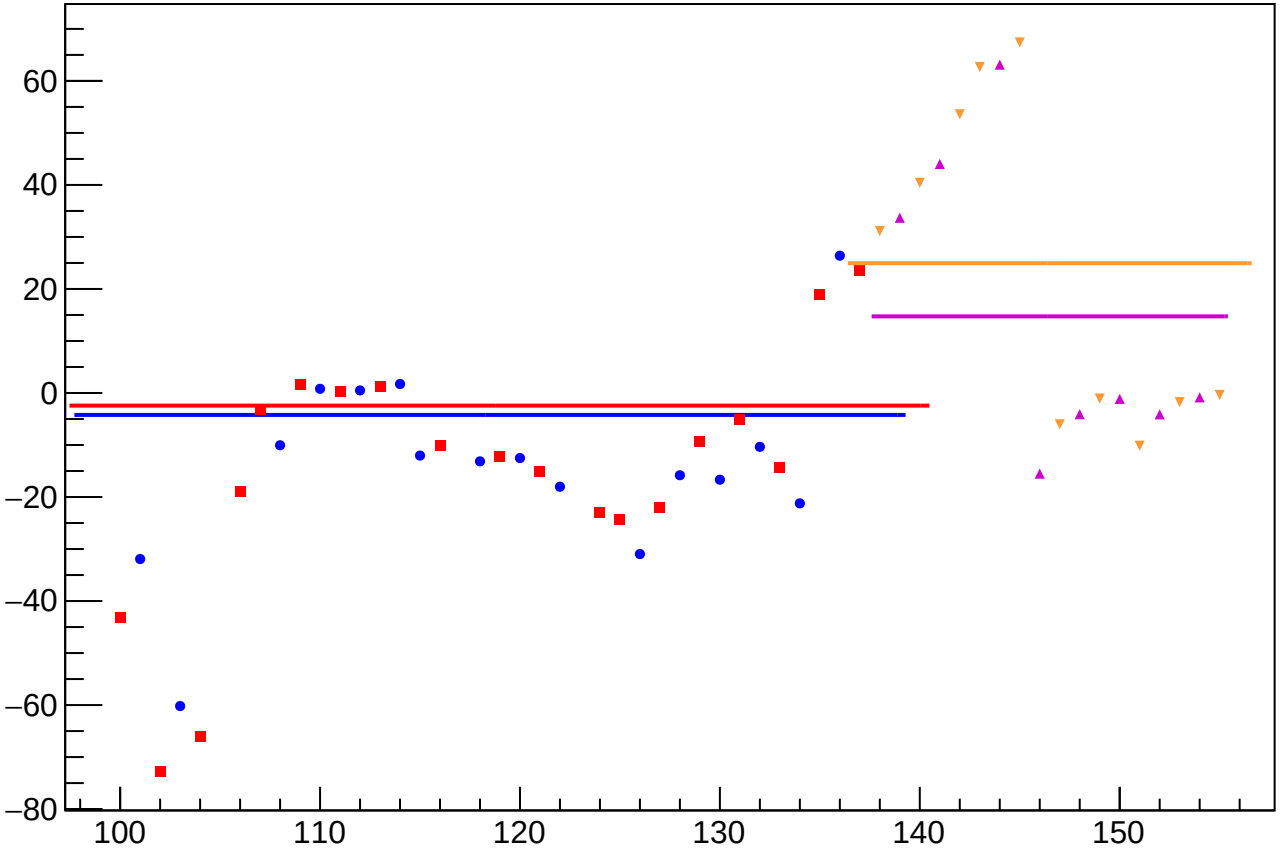
Left In: -0.148+/-0.003 χ^2/NDF:2393.3/7

+ sign -0.238+/-0.003 χ^2/NDF: 14085.6/25

All: -0.191+/-0.002 χ^2/NDF: 32588.3/52

- sign -0.154+/-0.002 χ^2/NDF: 17912.9/26

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 24.950+/-0.088 χ^2/NDF:87593.3/9

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

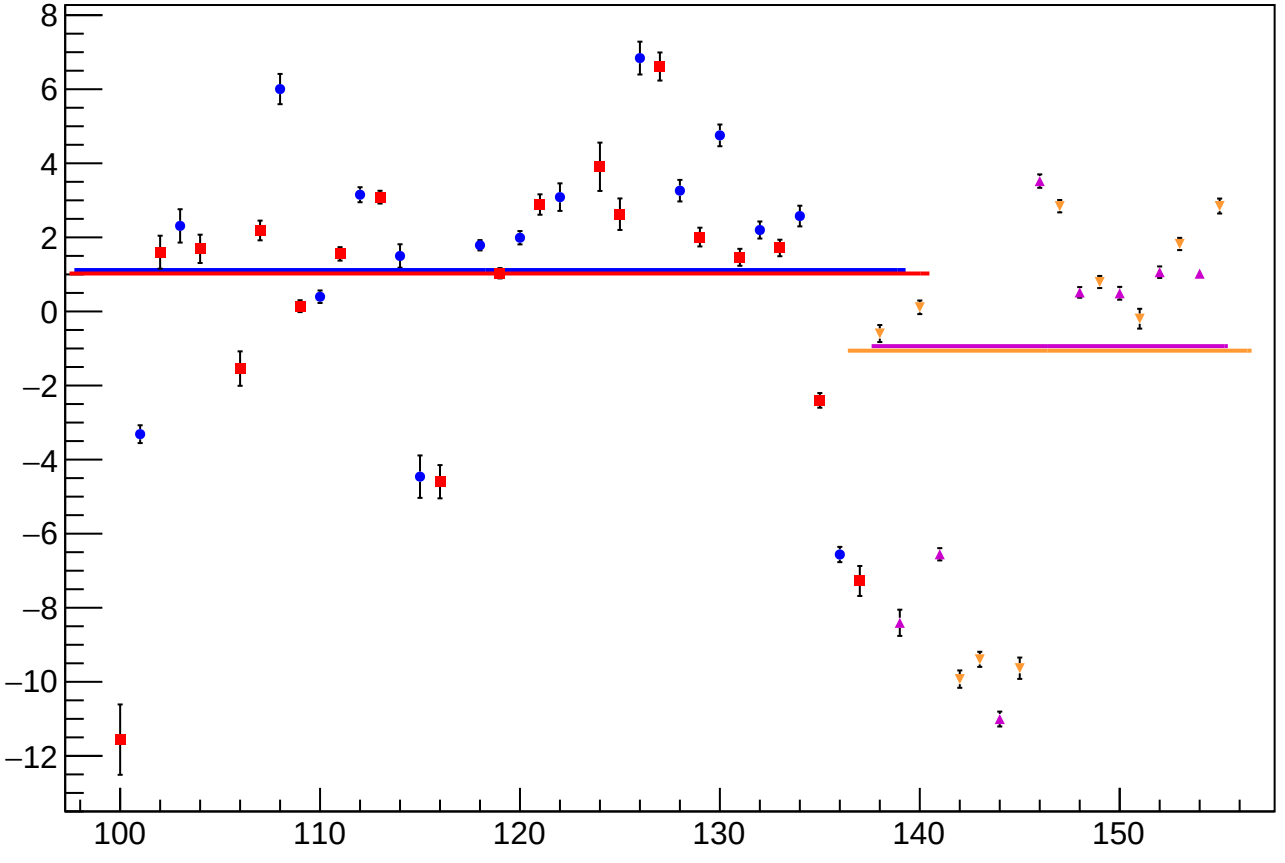
Left In: 14.733+/-0.081 χ^2/NDF:90414.2/7

+ sign 3.933+/-0.046 χ^2/NDF: 242194.9/25

All: 2.714+/-0.030 χ^2/NDF: 448599.3/52

- sign 1.806+/-0.040 χ^2/NDF: 205202.0/26

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -1.059+/-0.063 χ^2/NDF:5392.0/9

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

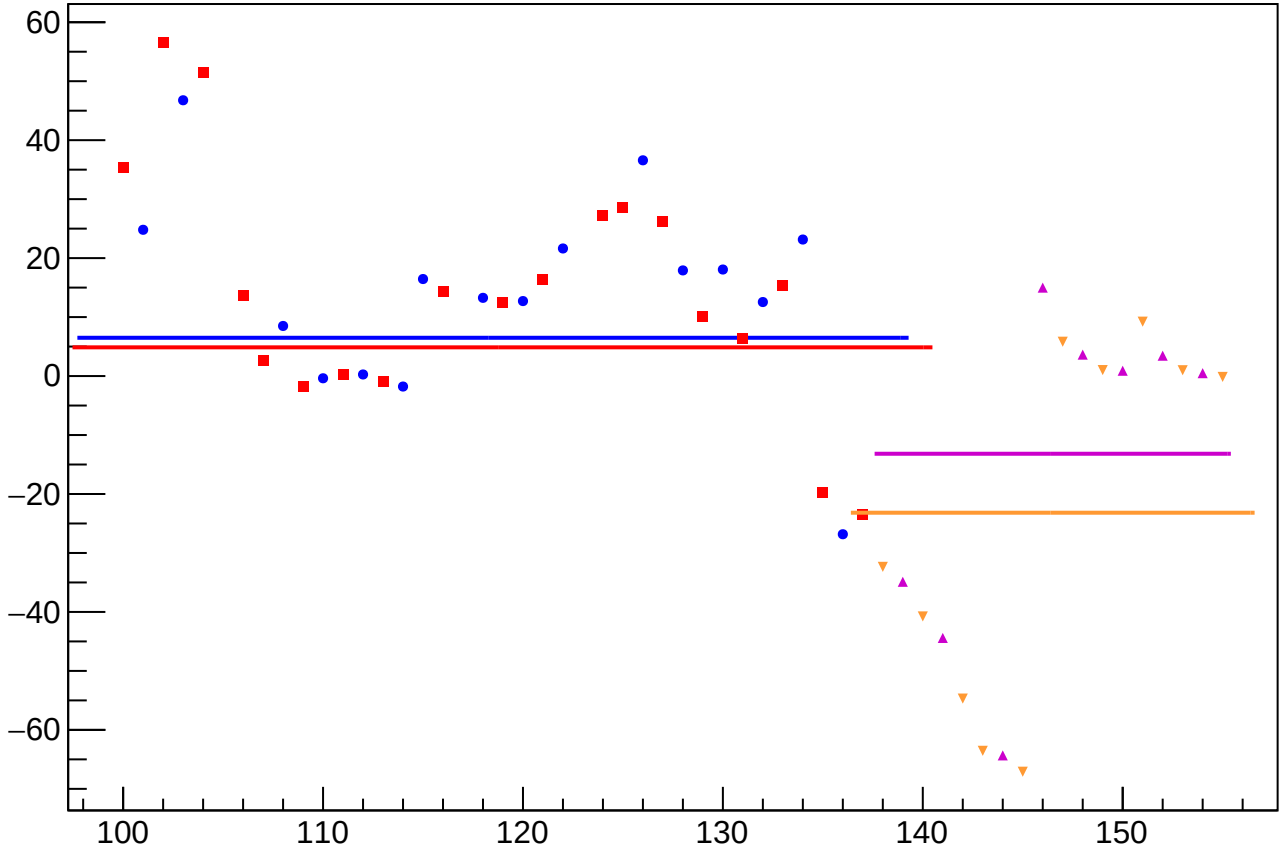
Left In: -0.937+/-0.057 χ^2/NDF:5374.0/7

+ sign 0.077+/-0.044 χ^2/NDF: 8604.5/25

All: 0.053+/-0.030 χ^2/NDF: 16185.1/52

- sign 0.032+/-0.040 χ^2/NDF: 7580.0/26

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -23.174+/-0.087 χ^2/NDF:91089.8/9

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

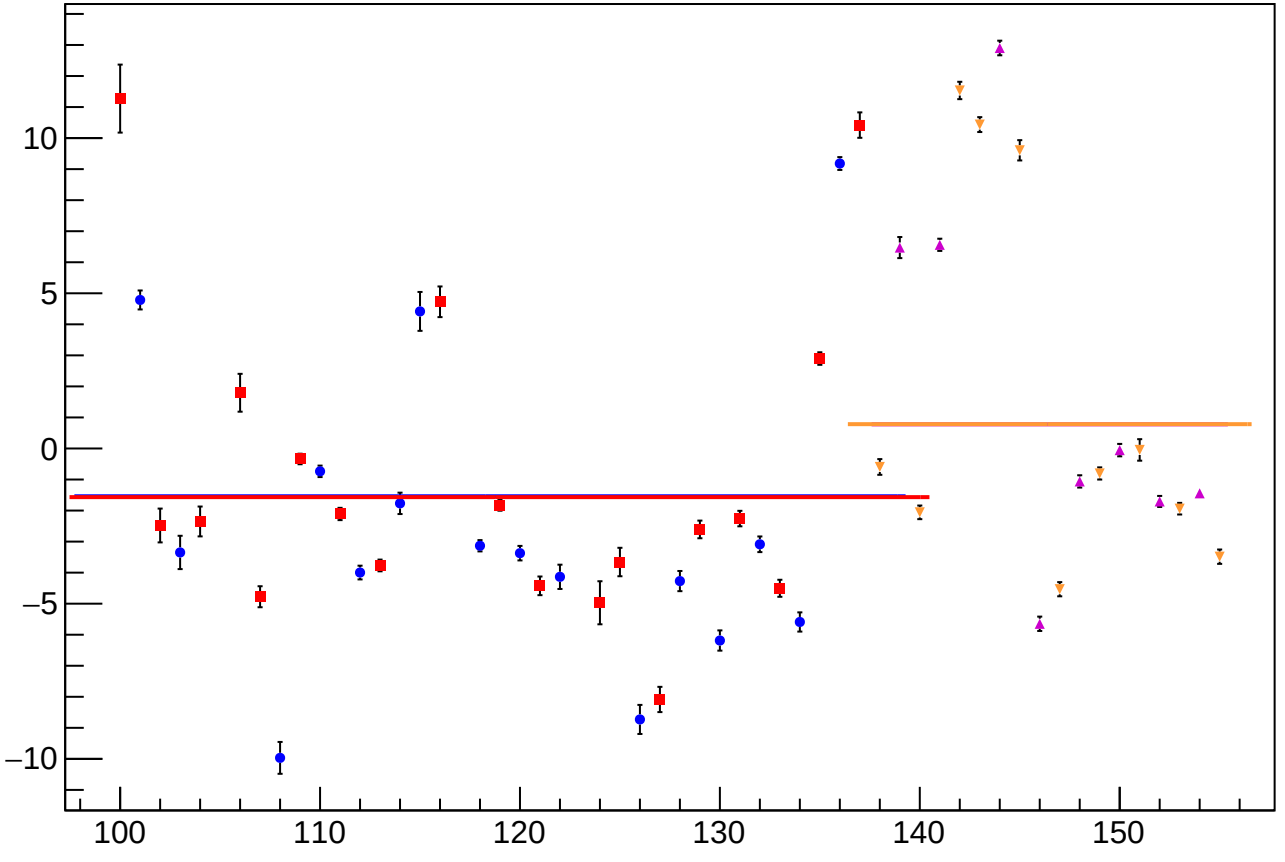
Left In: -13.175+/-0.078 χ^2/NDF:92560.6/7

+ sign -4.239+/-0.052 χ^2/NDF: 236540.1/25

All: -2.851+/-0.035 χ^2/NDF: 439554.0/52

- sign -1.714+/-0.047 χ^2/NDF: 201724.1/26

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 0.783+/-0.075 χ^2/NDF:5186.7/9

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

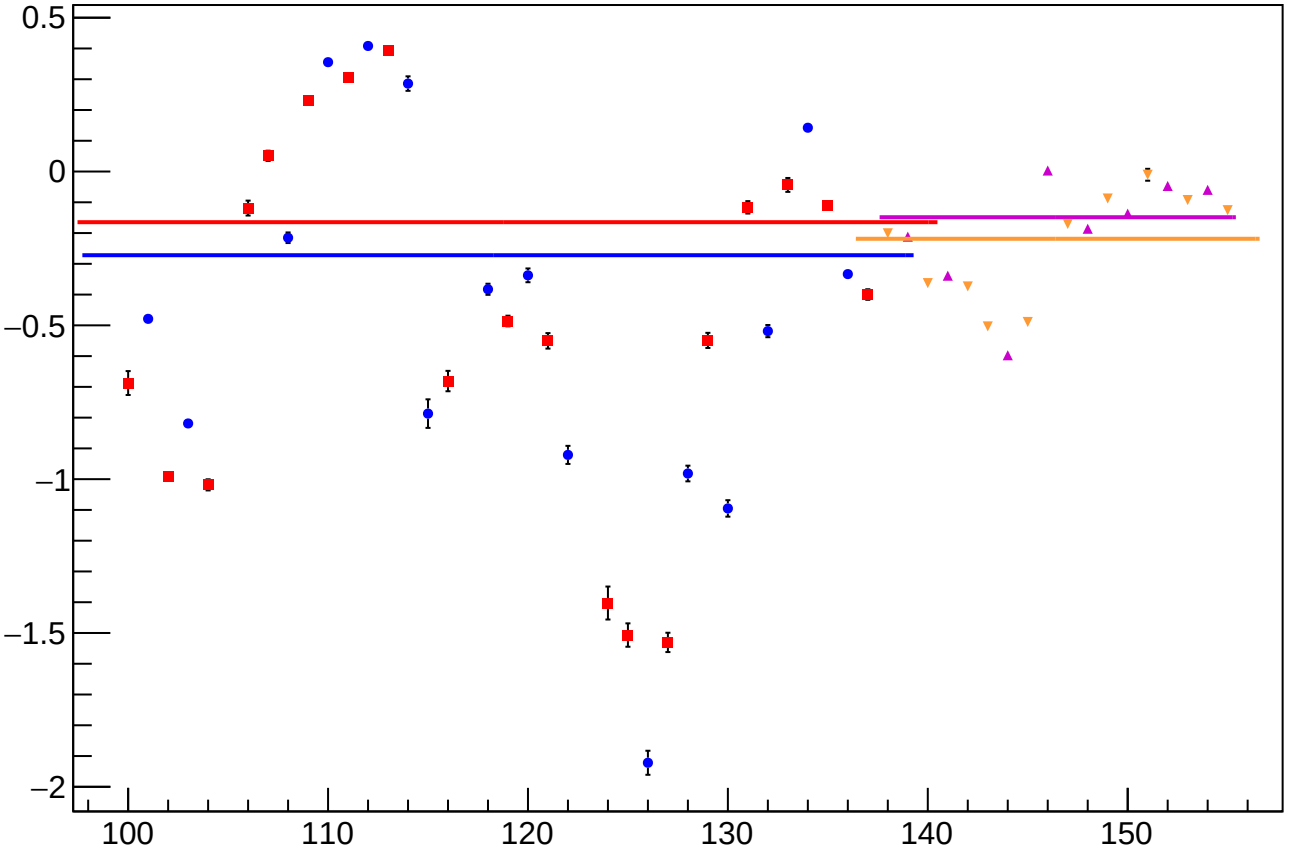
Left In: 0.778+/-0.067 χ^2/NDF:5197.2/7

+ sign -0.470+/-0.051 χ^2/NDF: 10236.3/25

All: -0.454+/-0.034 χ^2/NDF: 18563.2/52

- sign -0.442+/-0.047 χ^2/NDF: 8326.7/26

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.219+/-0.003 χ^2/NDF:1955.5/9

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

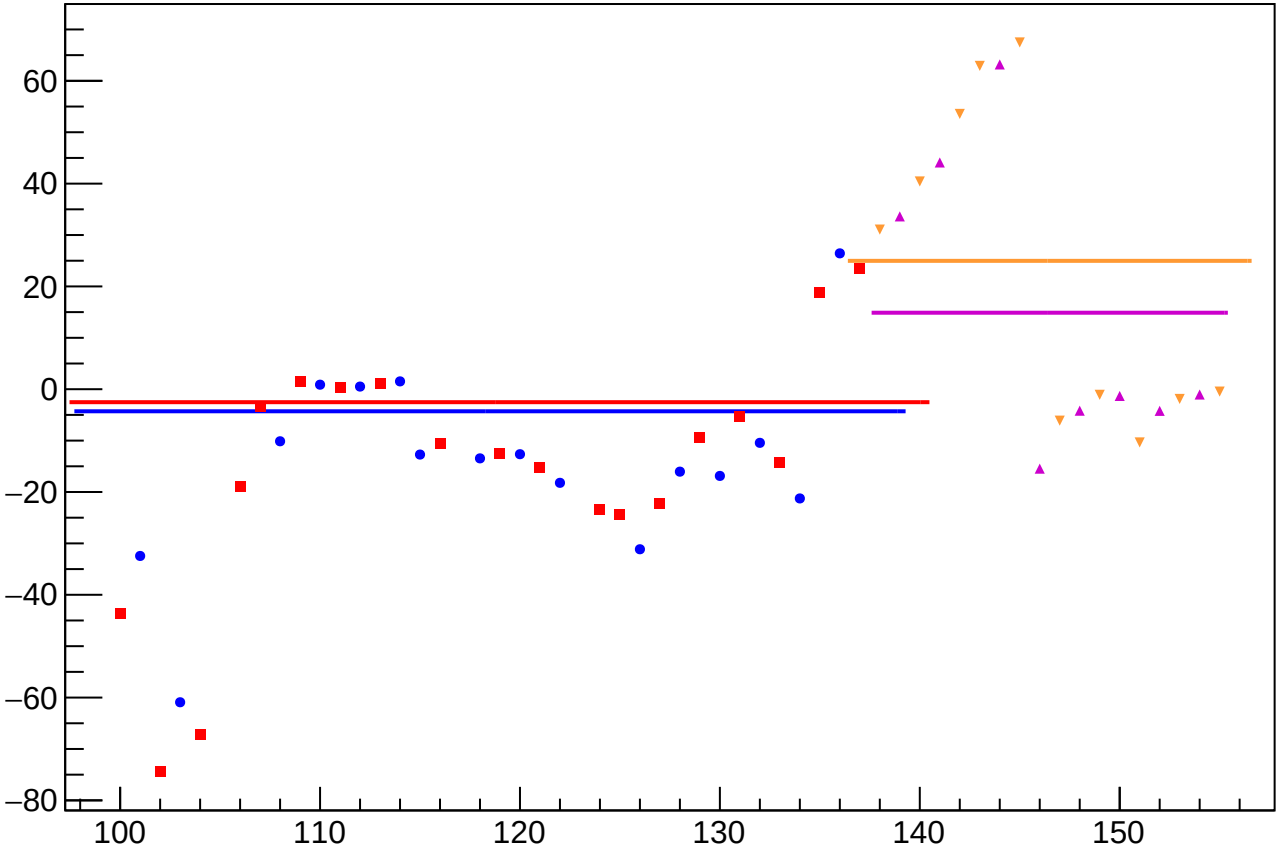
Left In: -0.149+/-0.003 χ^2/NDF:2409.2/7

+ sign -0.240+/-0.003 χ^2/NDF: 14119.2/25

All: -0.192+/-0.002 χ^2/NDF: 32629.6/52

- sign -0.154+/-0.002 χ^2/NDF: 17911.0/26

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 24.976+/-0.089 χ^2/NDF:86408.2/9

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

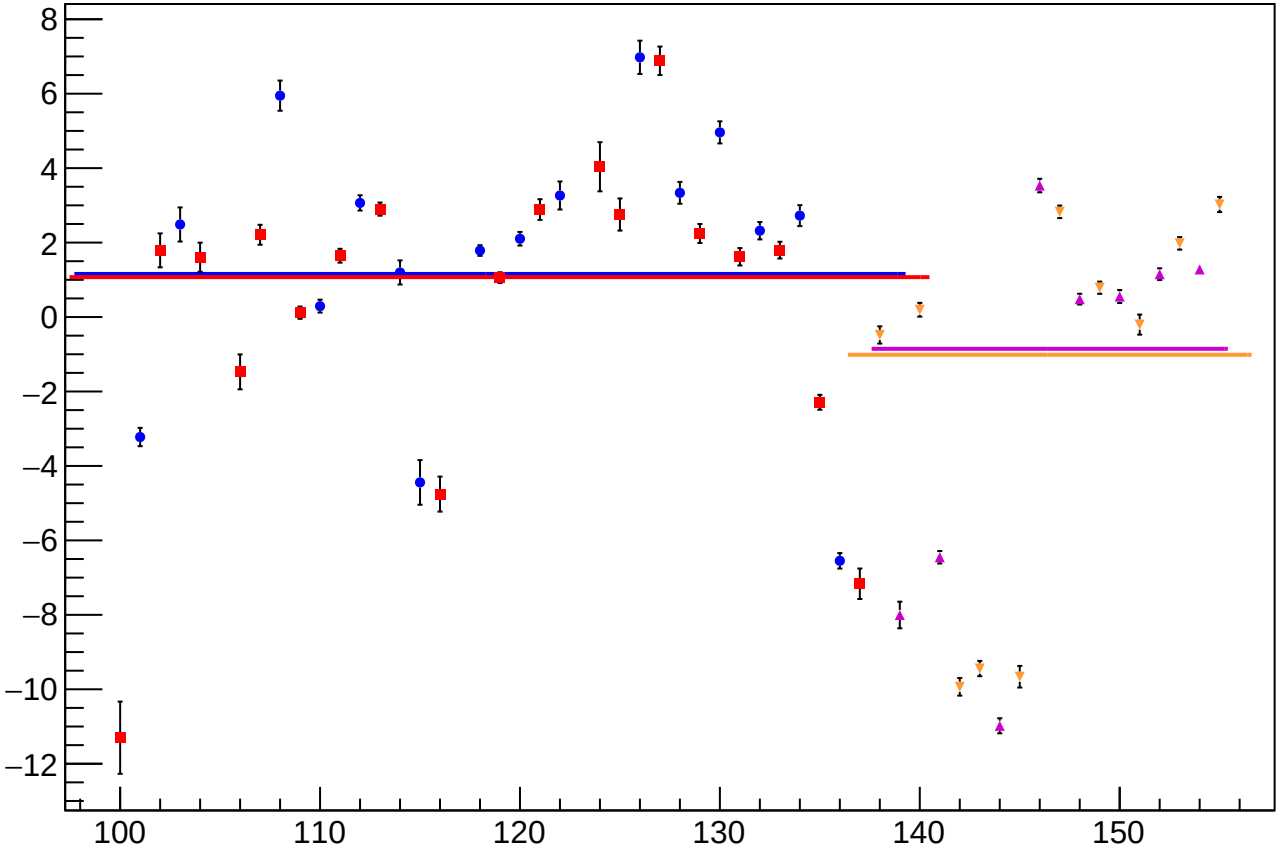
Left In: 14.882+/-0.082 χ^2/NDF:88685.0/7

+ sign 3.983+/-0.047 χ^2/NDF: 238640.3/25

All: 2.738+/-0.031 χ^2/NDF: 442181.8/52

- sign 1.801+/-0.041 χ^2/NDF: 202322.0/26

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -1.013+/-0.064 χ^2/NDF:5382.0/9

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

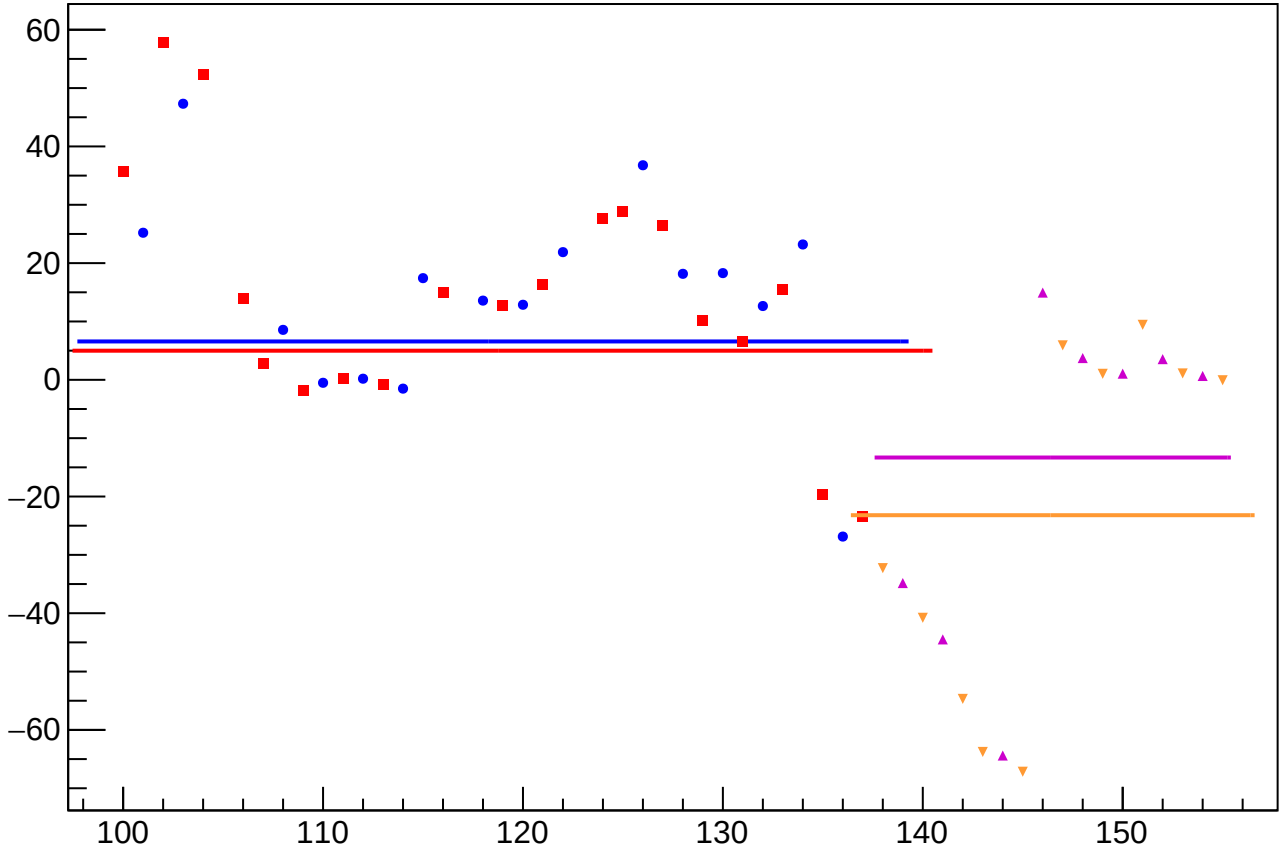
Left In: -0.853+/-0.058 χ^2/NDF:5267.0/7

+ sign 0.110+/-0.044 χ^2/NDF: 8532.8/25

All: 0.103+/-0.030 χ^2/NDF: 15903.0/52

- sign 0.097+/-0.041 χ^2/NDF: 7370.1/26

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -23.202+/-0.088 χ^2/NDF:89816.9/9

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

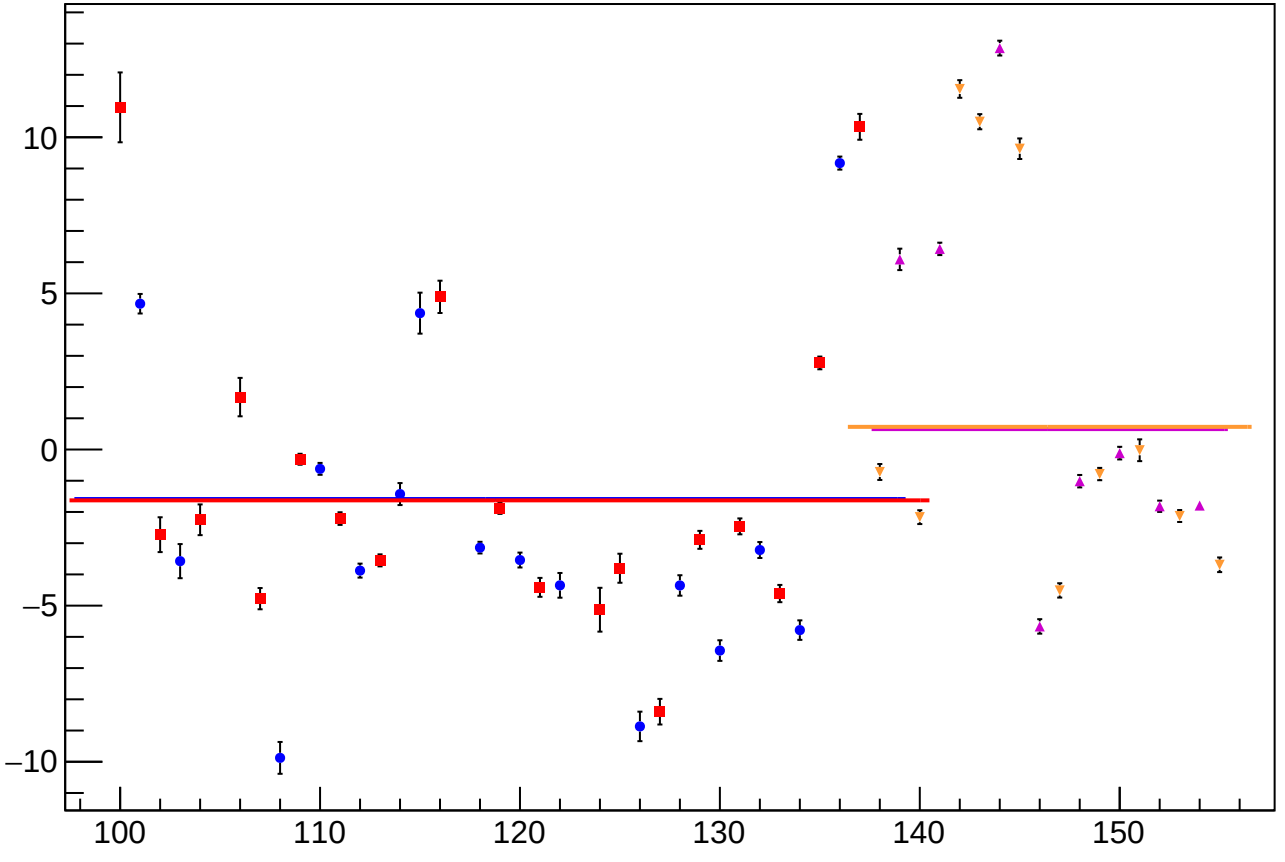
Left In: -13.316+/-0.080 χ^2/NDF:90813.8/7

+ sign -4.299+/-0.053 χ^2/NDF: 233028.4/25

All: -2.879+/-0.036 χ^2/NDF: 433204.6/52

- sign -1.705+/-0.048 χ^2/NDF: 198859.9/26

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 0.726+/-0.076 χ^2/NDF:5187.4/9

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

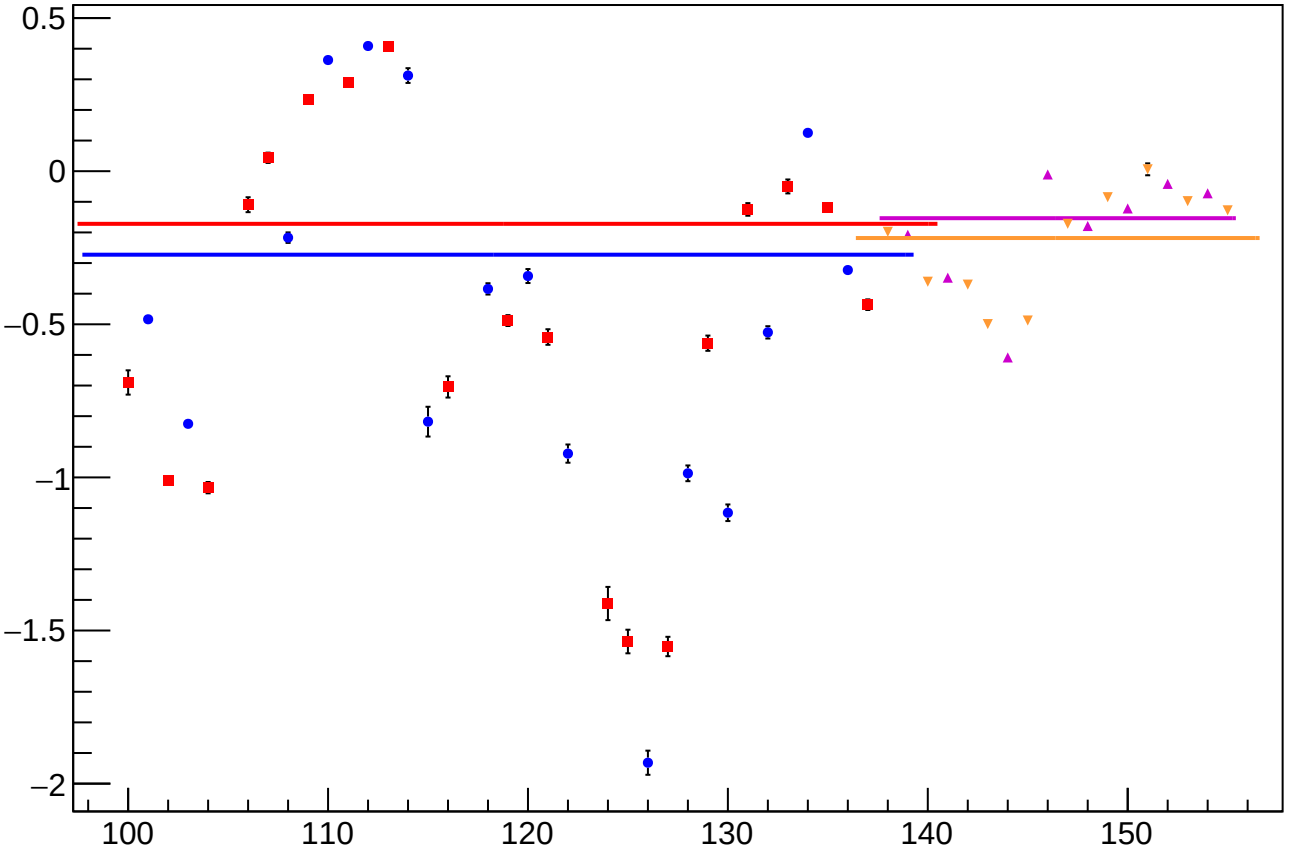
Left In: 0.654+/-0.069 χ^2/NDF:5115.7/7

+ sign -0.512+/-0.052 χ^2/NDF: 10155.0/25

All: -0.523+/-0.035 χ^2/NDF: 18269.8/52

- sign -0.532+/-0.047 χ^2/NDF: 8114.7/26

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.218+/-0.003 χ^2/NDF:1887.1/9

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

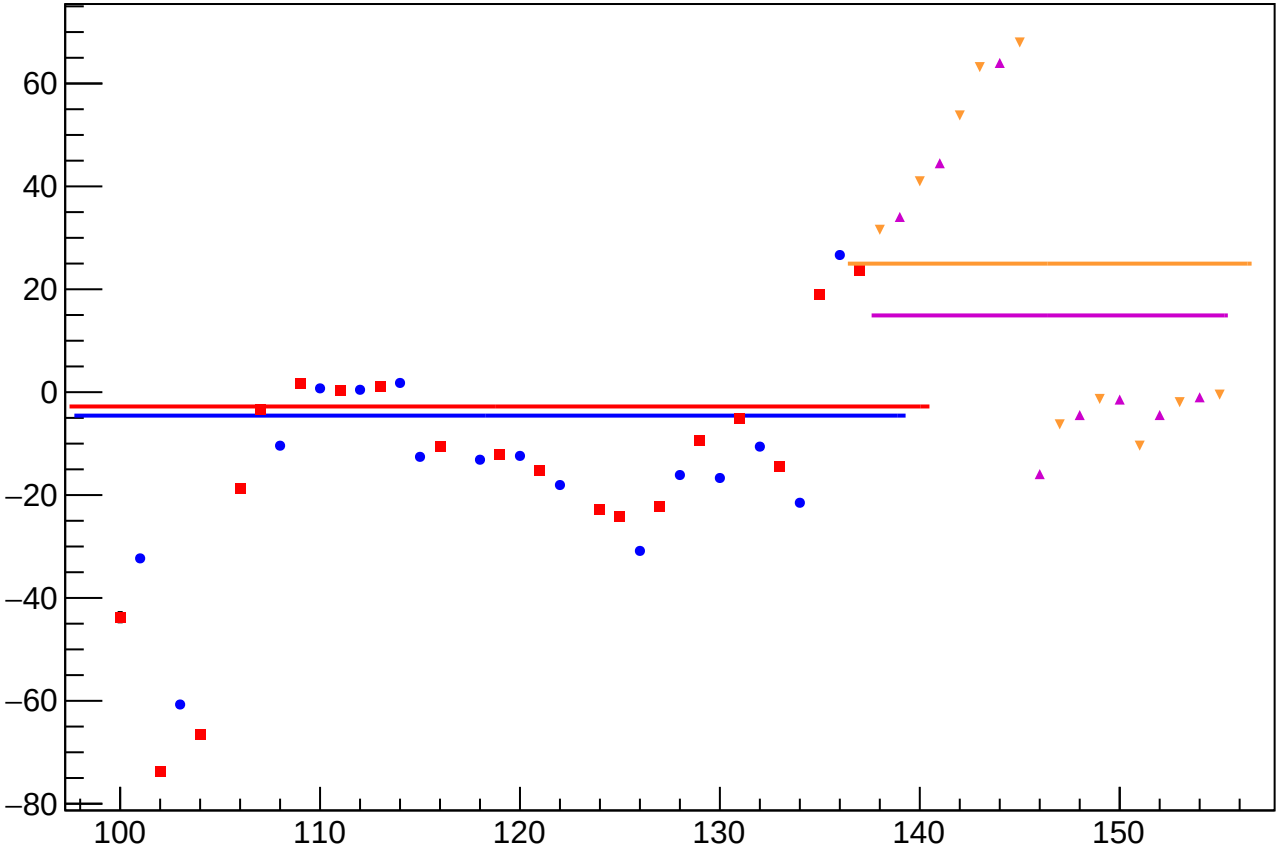
Left In: -0.154+/-0.003 χ^2/NDF:2352.4/7

+ sign -0.240+/-0.003 χ^2/NDF: 13844.2/25

All: -0.195+/-0.002 χ^2/NDF: 32037.4/52

- sign -0.160+/-0.002 χ^2/NDF: 17689.1/26

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 24.987+/-0.090 χ^2/NDF:85820.3/9

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

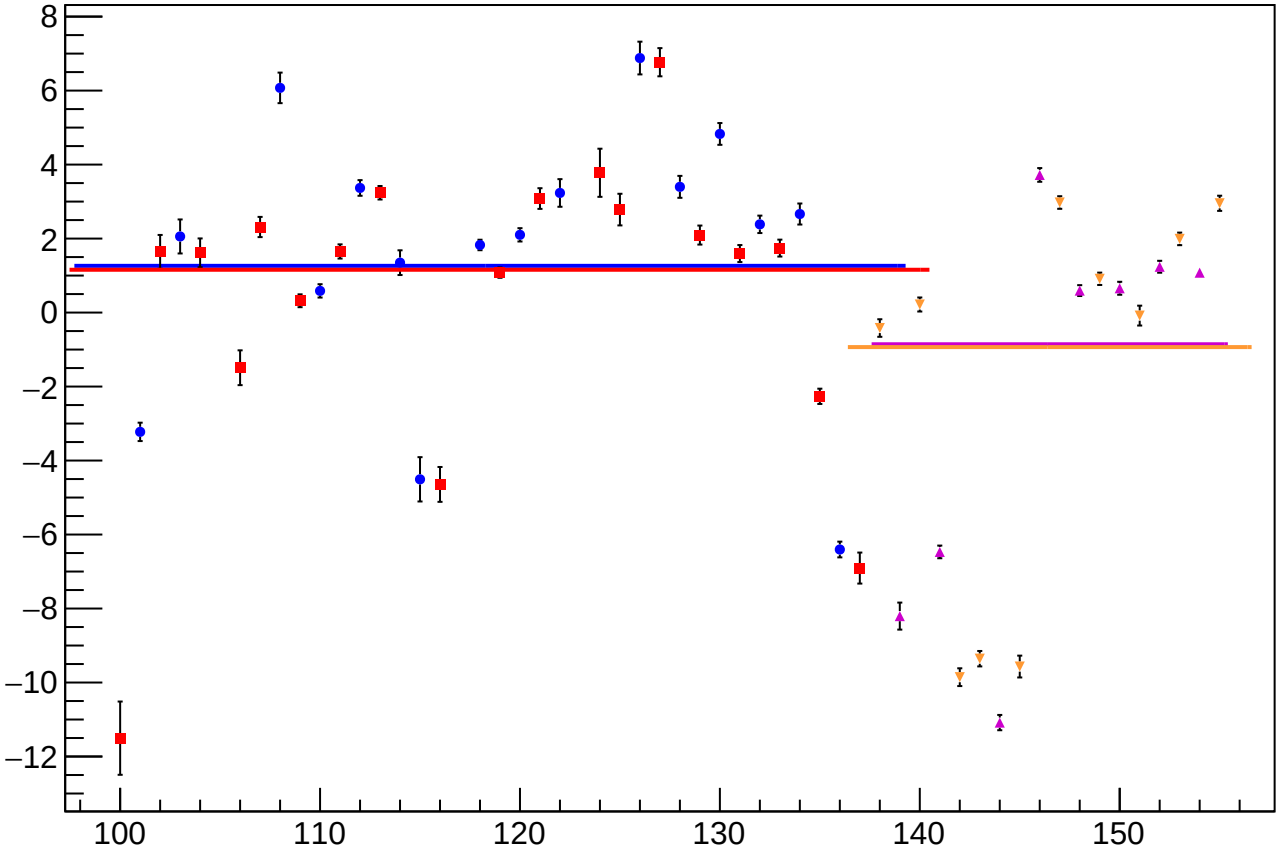
Left In: 14.917+/-0.084 χ^2/NDF:87970.4/7

+ sign 3.839+/-0.048 χ^2/NDF: 235340.2/25

All: 2.614+/-0.032 χ^2/NDF: 435904.4/52

- sign 1.680+/-0.042 χ^2/NDF: 199418.7/26

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.933+/-0.065 χ^2/NDF:5222.4/9

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

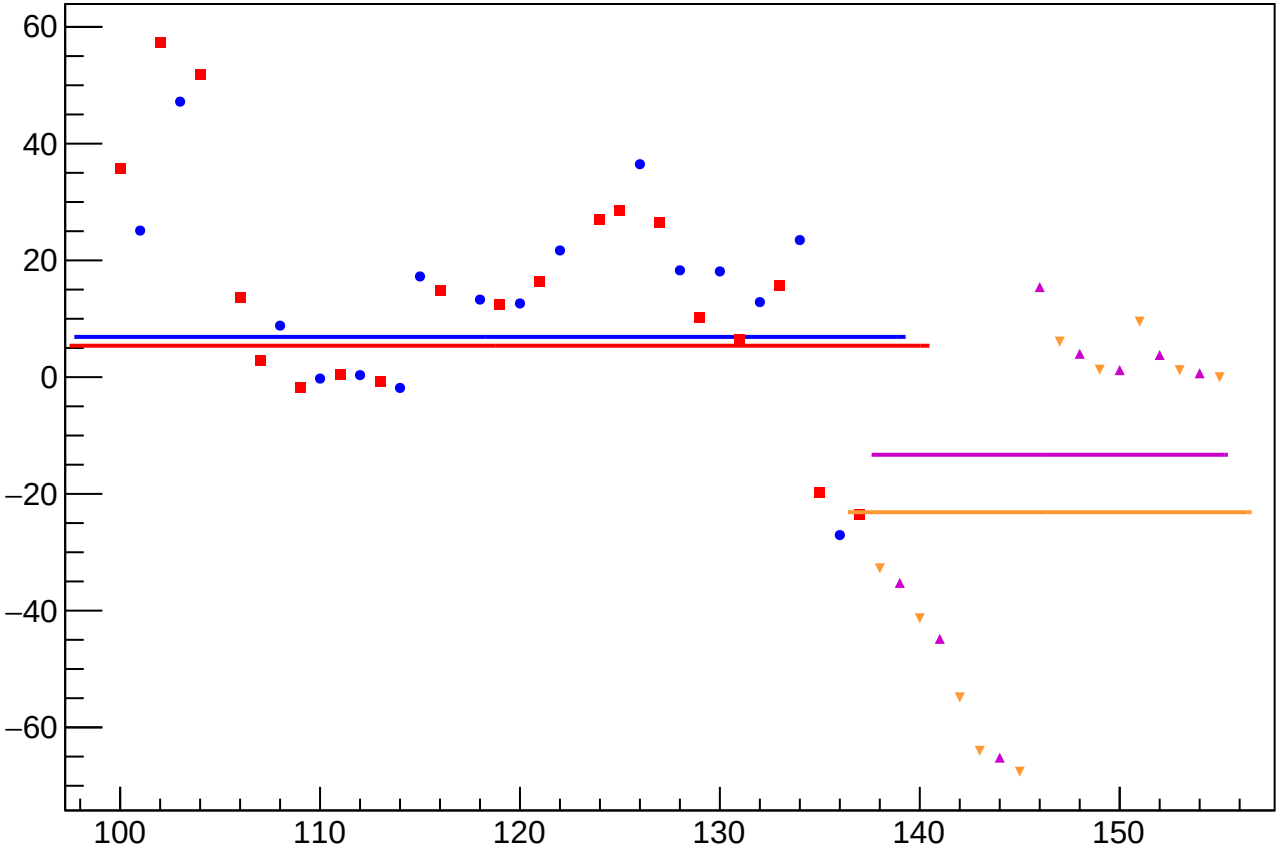
Left In: -0.857+/-0.059 χ^2/NDF:5179.1/7

+ sign 0.209+/-0.045 χ^2/NDF: 8268.1/25

All: 0.172+/-0.030 χ^2/NDF: 15525.2/52

- sign 0.141+/-0.042 χ^2/NDF: 7255.9/26

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -23.137+/-0.089 χ^2/NDF:89122.5/9

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

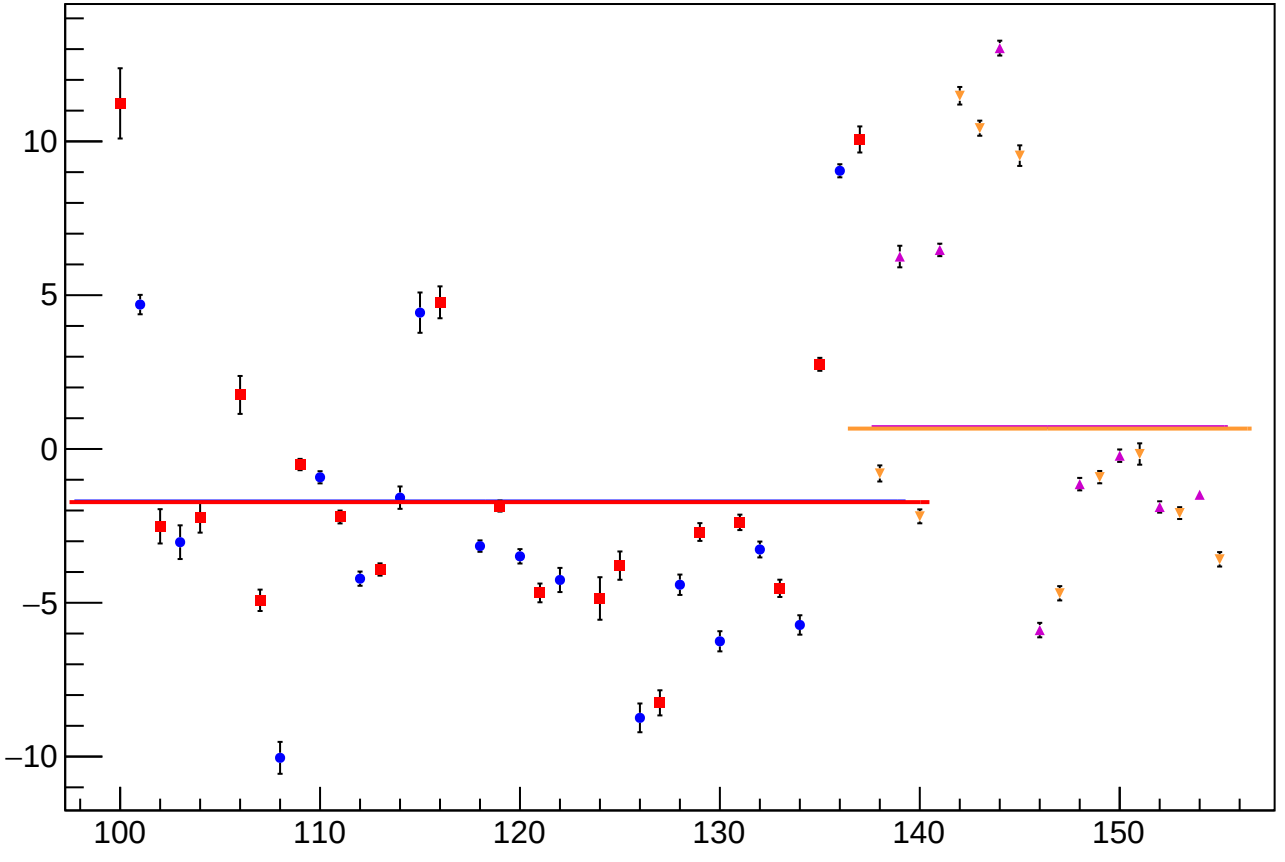
Left In: -13.299+/-0.081 χ^2/NDF:90017.2/7

+ sign -4.067+/-0.054 χ^2/NDF: 229718.9/25

All: -2.659+/-0.036 χ^2/NDF: 426924.7/52

- sign -1.483+/-0.049 χ^2/NDF: 195943.0/26

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 0.663+/-0.077 χ^2/NDF:5030.0/9

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

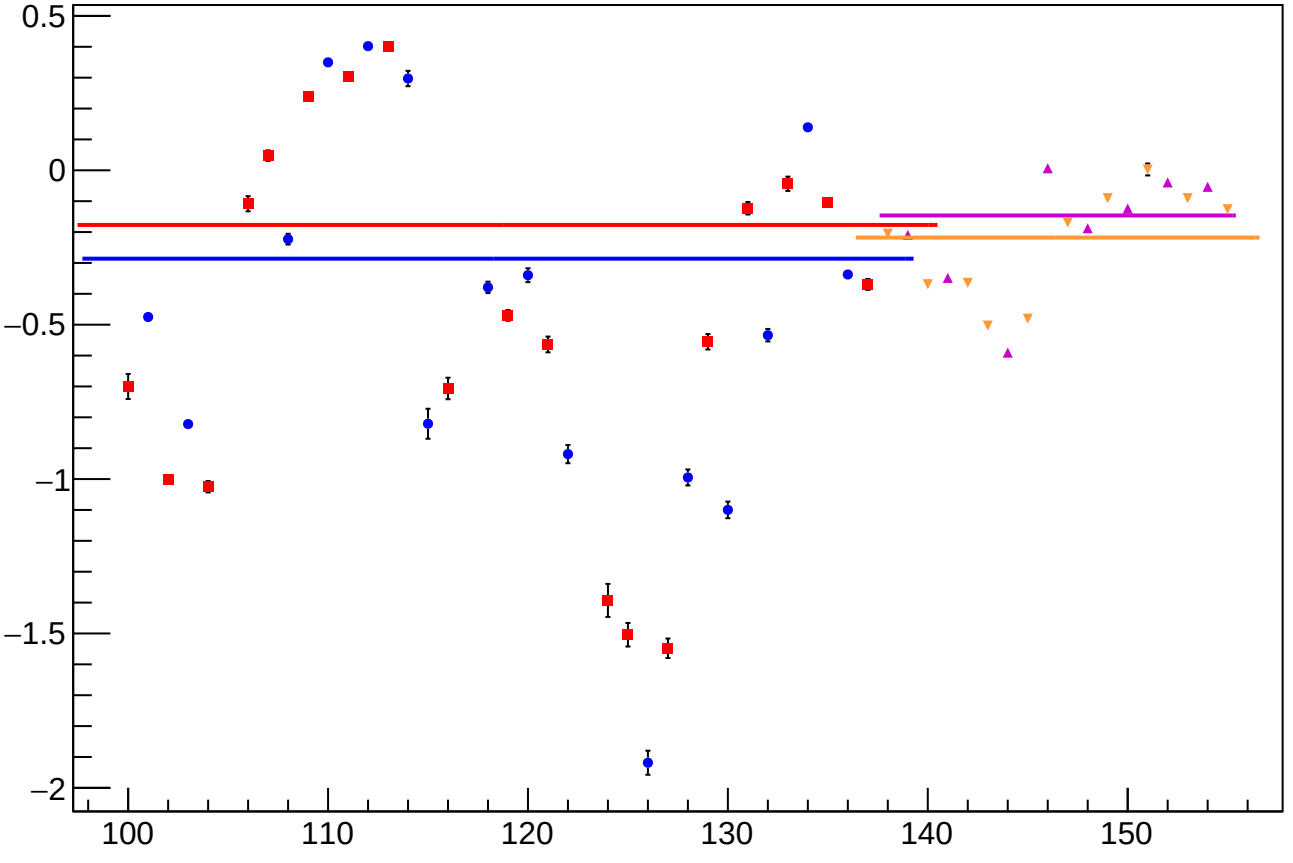
Left In: 0.710+/-0.070 χ^2/NDF:5027.6/7

+ sign -0.610+/-0.052 χ^2/NDF: 9828.0/25

All: -0.582+/-0.036 χ^2/NDF: 17802.9/52

- sign -0.559+/-0.048 χ^2/NDF: 7974.4/26

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.218+/-0.003 χ^2/NDF:1864.5/9

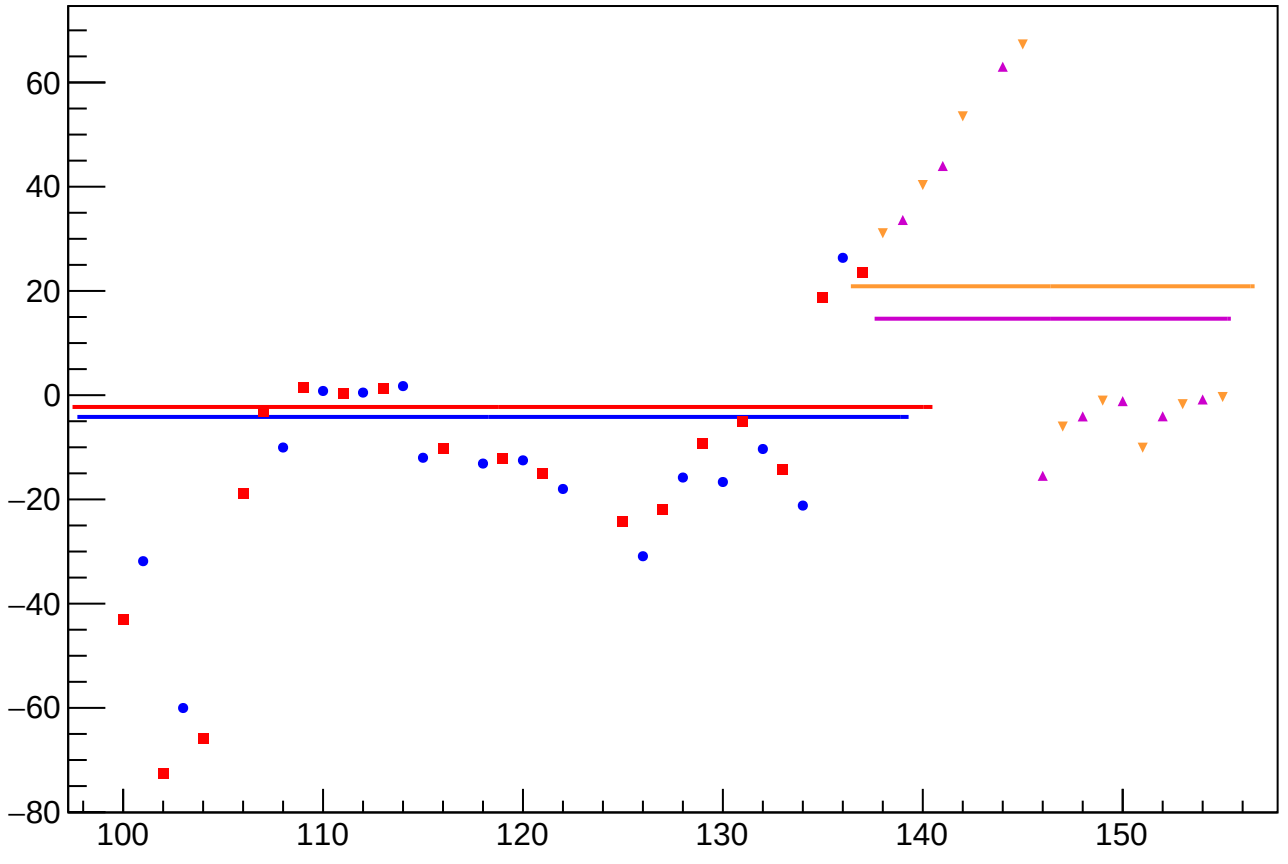
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.146+/-0.003 χ^2/NDF:2338.9/7

+ sign -0.245+/-0.003 χ^2/NDF: 13379.9/25

All: -0.196+/-0.002 χ^2/NDF: 31114.9/52

- sign -0.157+/-0.002 χ^2/NDF: 17144.8/26



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 20.894+/-0.092 χ^2/NDF:68071.0/8

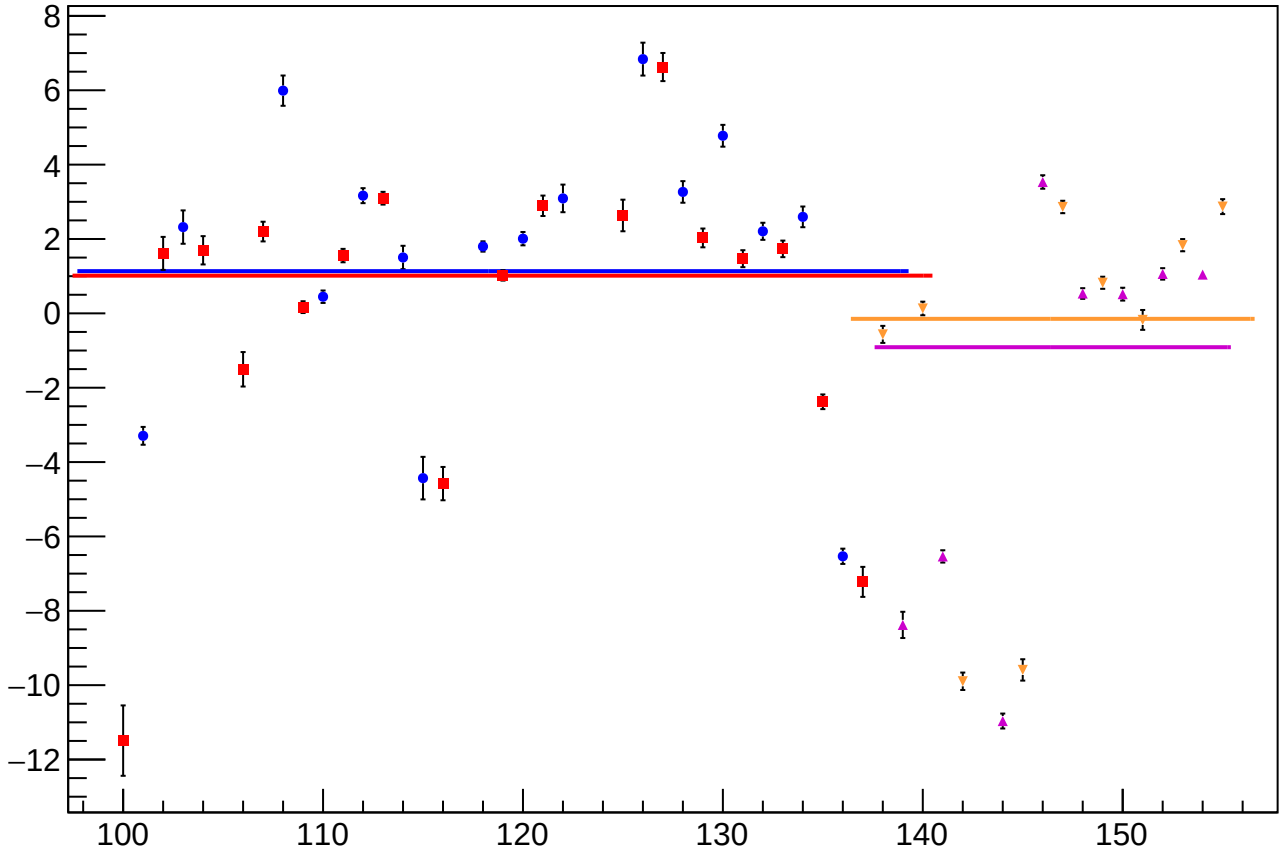
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 14.672+/-0.080 χ^2/NDF:90644.9/7

+ sign 2.315+/-0.047 χ^2/NDF: 198327.8/24

All: 2.088+/-0.030 χ^2/NDF: 402064.7/50

- sign 1.923+/-0.040 χ^2/NDF: 203696.3/25



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -0.148+/-0.066 χ^2/NDF:3545.8/8

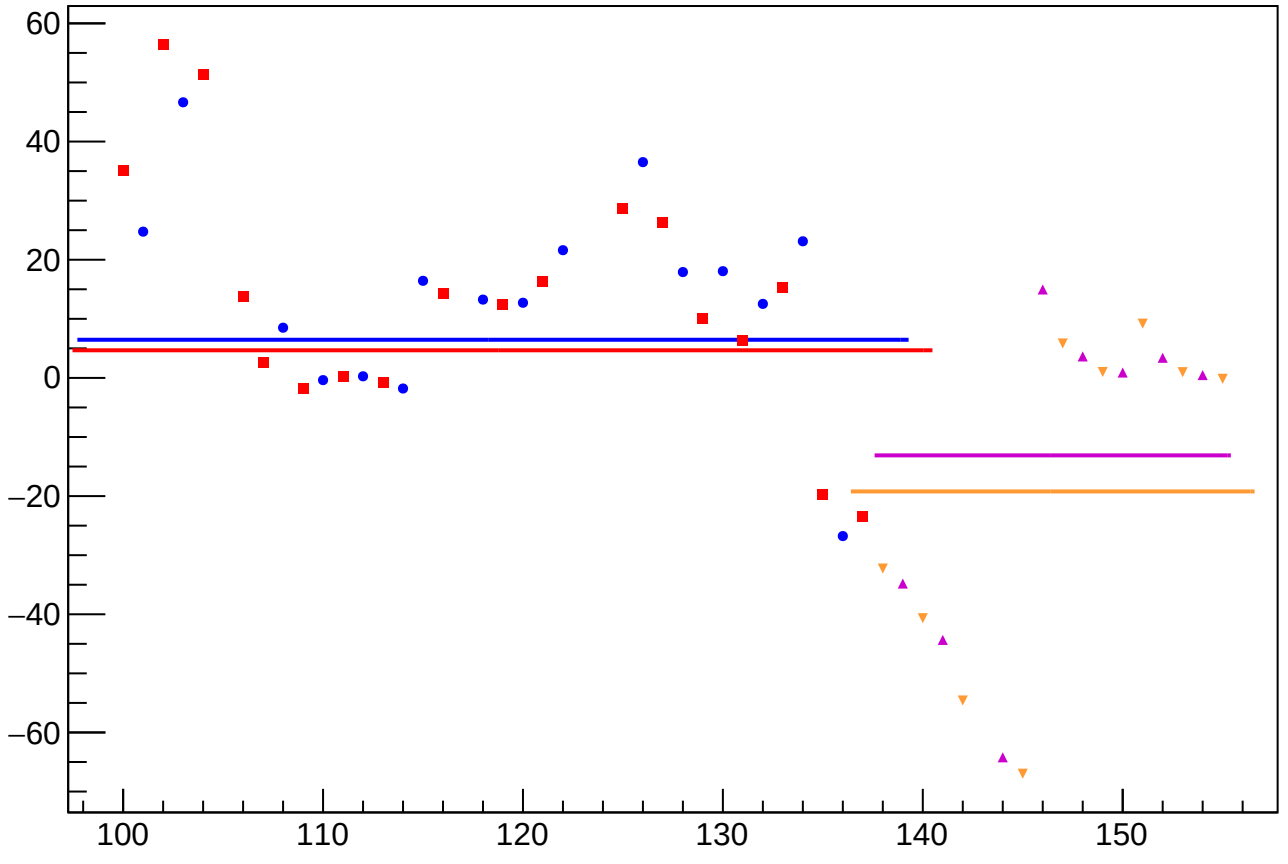
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -0.910+/-0.056 χ^2/NDF:5391.2/7

+ sign 0.555+/-0.045 χ^2/NDF: 6347.0/24

All: 0.269+/-0.030 χ^2/NDF: 13980.7/50

- sign 0.037+/-0.040 χ^2/NDF: 7559.1/25



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -19.211+/-0.090 χ^2/NDF:70126.5/8

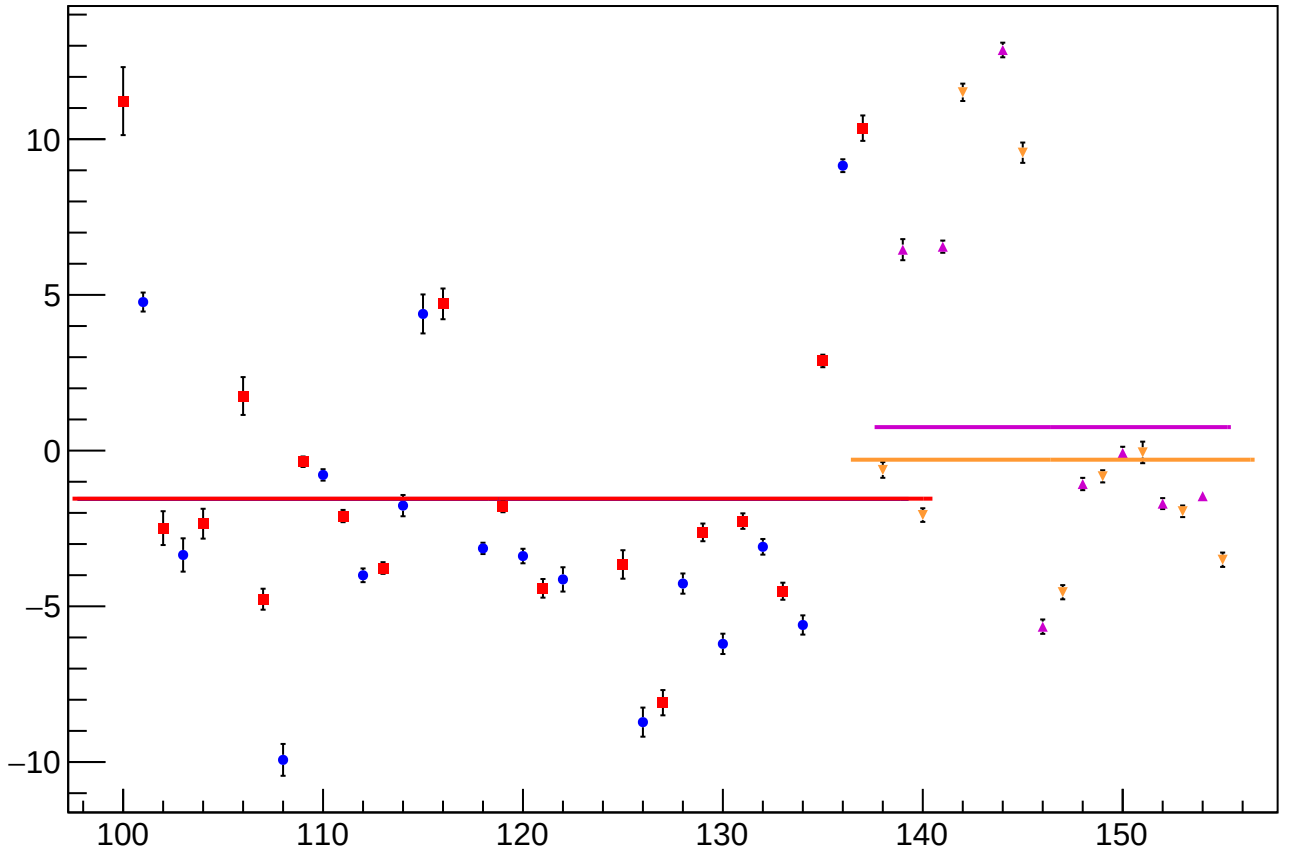
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -13.107+/-0.078 χ^2/NDF:92783.4/7

\+ sign -2.275+/-0.053 χ^2/NDF: 194040.2/24

All: -2.028+/-0.035 χ^2/NDF: 394428.6/50

\- sign -1.831+/-0.047 χ^2/NDF: 200349.0/25



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -0.292+/-0.079 χ^2/NDF:3397.2/8

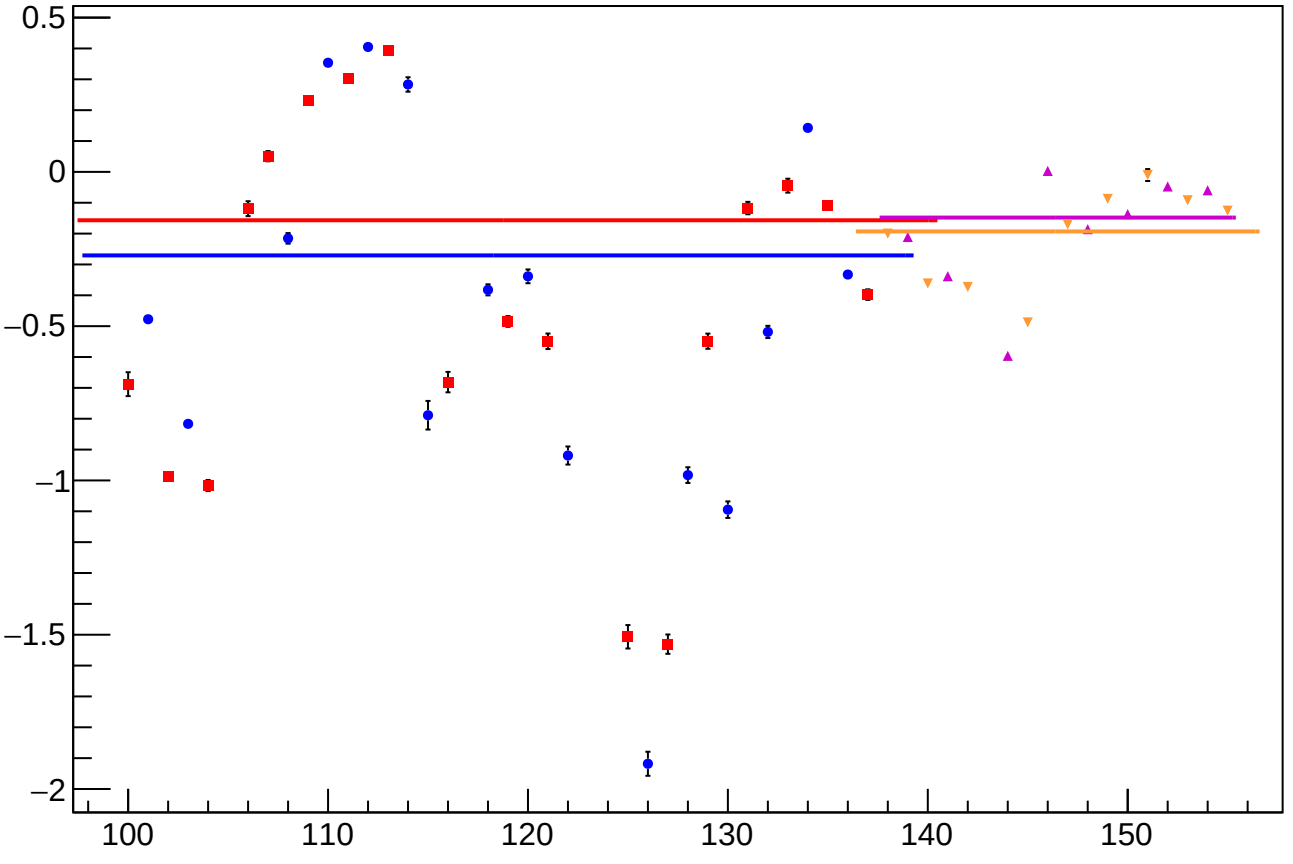
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 0.754+/-0.067 χ^2/NDF:5212.3/7

+ sign -1.004+/-0.052 χ^2/NDF: 8084.4/24

All: -0.688+/-0.035 χ^2/NDF: 16445.9/50

- sign -0.436+/-0.046 χ^2/NDF: 8295.3/25



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.193+/-0.003 χ^2/NDF:1330.5/8

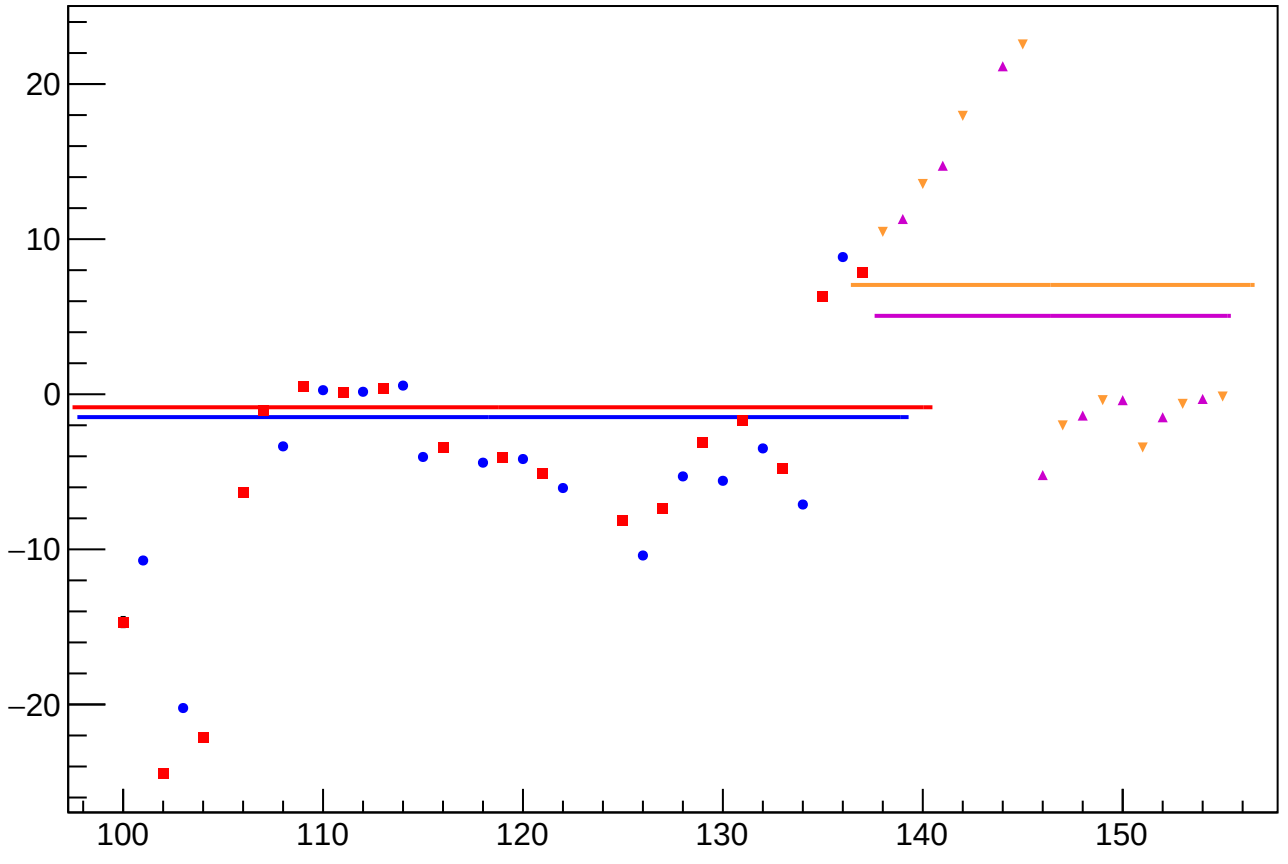
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.148+/-0.003 χ^2/NDF:2412.7/7

+ sign -0.225+/-0.003 χ^2/NDF: 13632.2/24

All: -0.183+/-0.002 χ^2/NDF: 31510.2/50

- sign -0.151+/-0.002 χ^2/NDF: 17435.0/25



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 7.049+/-0.031 χ^2/NDF:66913.1/8

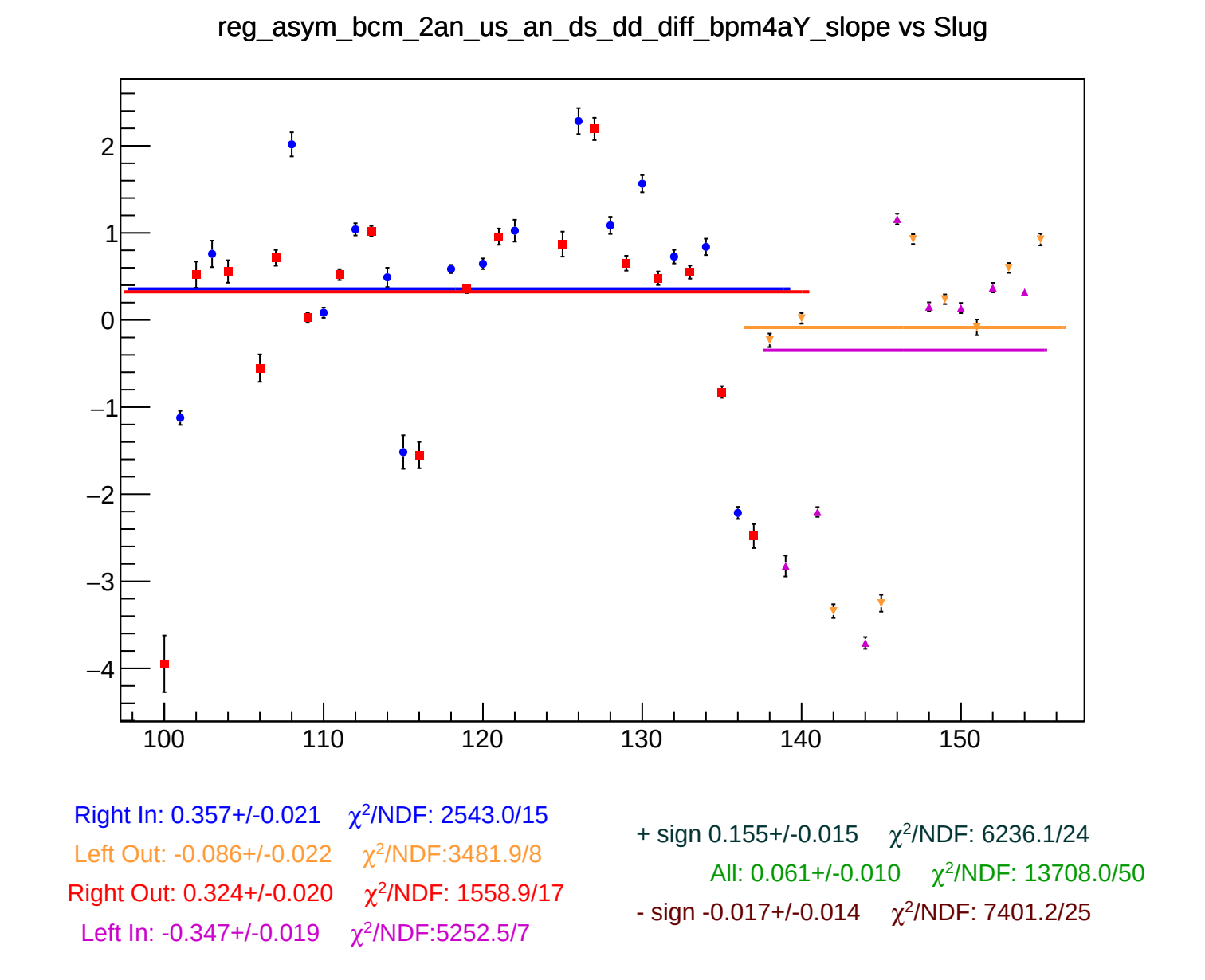
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

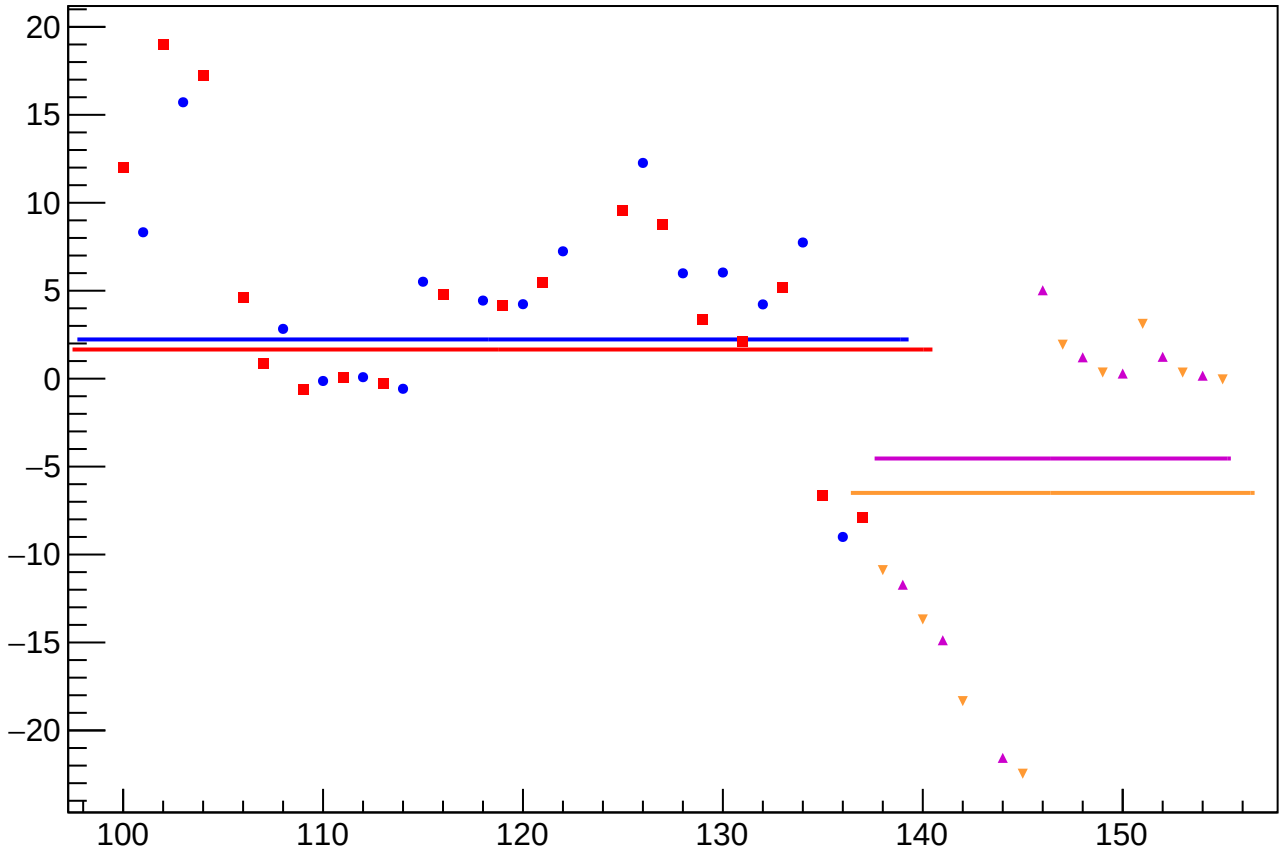
Left In: 5.056+/-0.028 χ^2/NDF:88135.0/7

+ sign 0.770+/-0.016 χ^2/NDF: 195102.4/24

All: 0.699+/-0.011 χ^2/NDF: 395340.0/50

- sign 0.646+/-0.014 χ^2/NDF: 200203.6/25


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: -0.086+/-0.022 χ²/NDF:3481.9/8
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: -0.347+/-0.019 χ²/NDF:5252.5/7
+ sign 0.155+/-0.015 χ²/NDF: 6236.1/24
All: 0.061+/-0.010 χ²/NDF: 13708.0/50
- sign -0.017+/-0.014 χ²/NDF: 7401.2/25



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -6.495+/-0.031 χ^2/NDF:68949.4/8

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

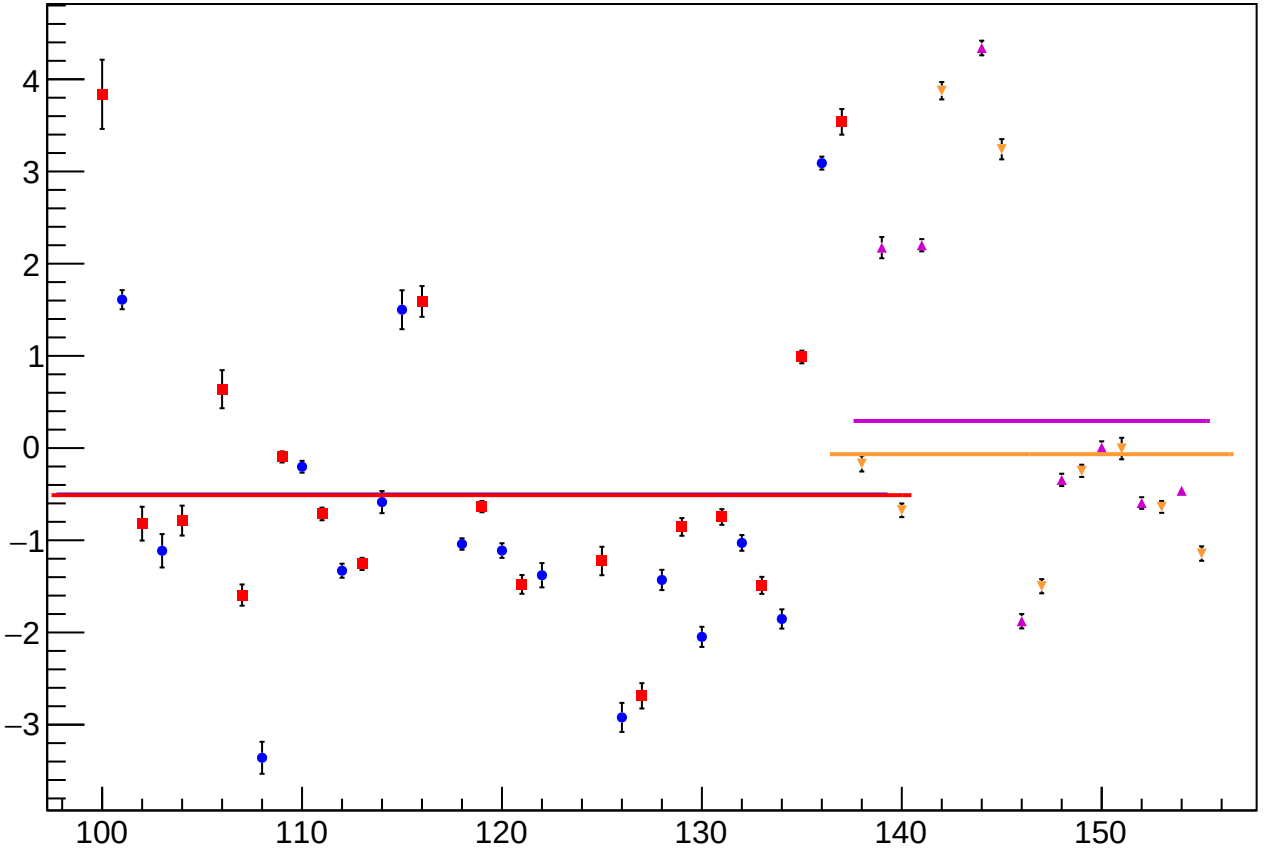
Left In: -4.540+/-0.027 χ^2/NDF:90338.3/7

+ sign -0.767+/-0.018 χ^2/NDF: 190897.0/24

All: -0.690+/-0.012 χ^2/NDF: 387914.2/50

- sign -0.627+/-0.016 χ^2/NDF: 196984.1/25

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.066+/-0.027 χ^2/NDF:3339.0/8

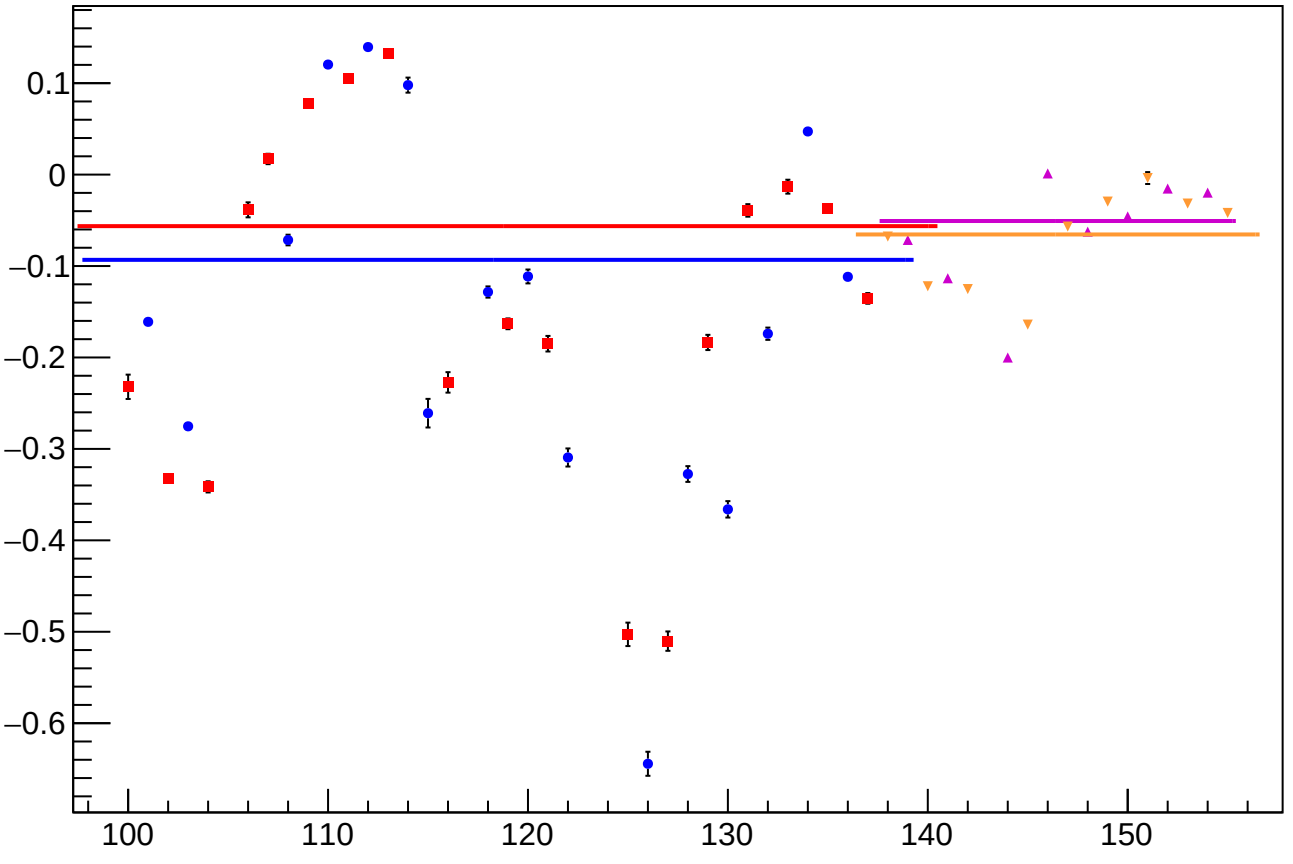
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.294+/-0.023 χ^2/NDF:5086.1/7

+ sign -0.312+/-0.018 χ^2/NDF: 7935.3/24

All: -0.207+/-0.012 χ^2/NDF: 16138.6/50

- sign -0.122+/-0.016 χ^2/NDF: 8140.4/25



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.065+/-0.001 χ^2/NDF:1307.2/8

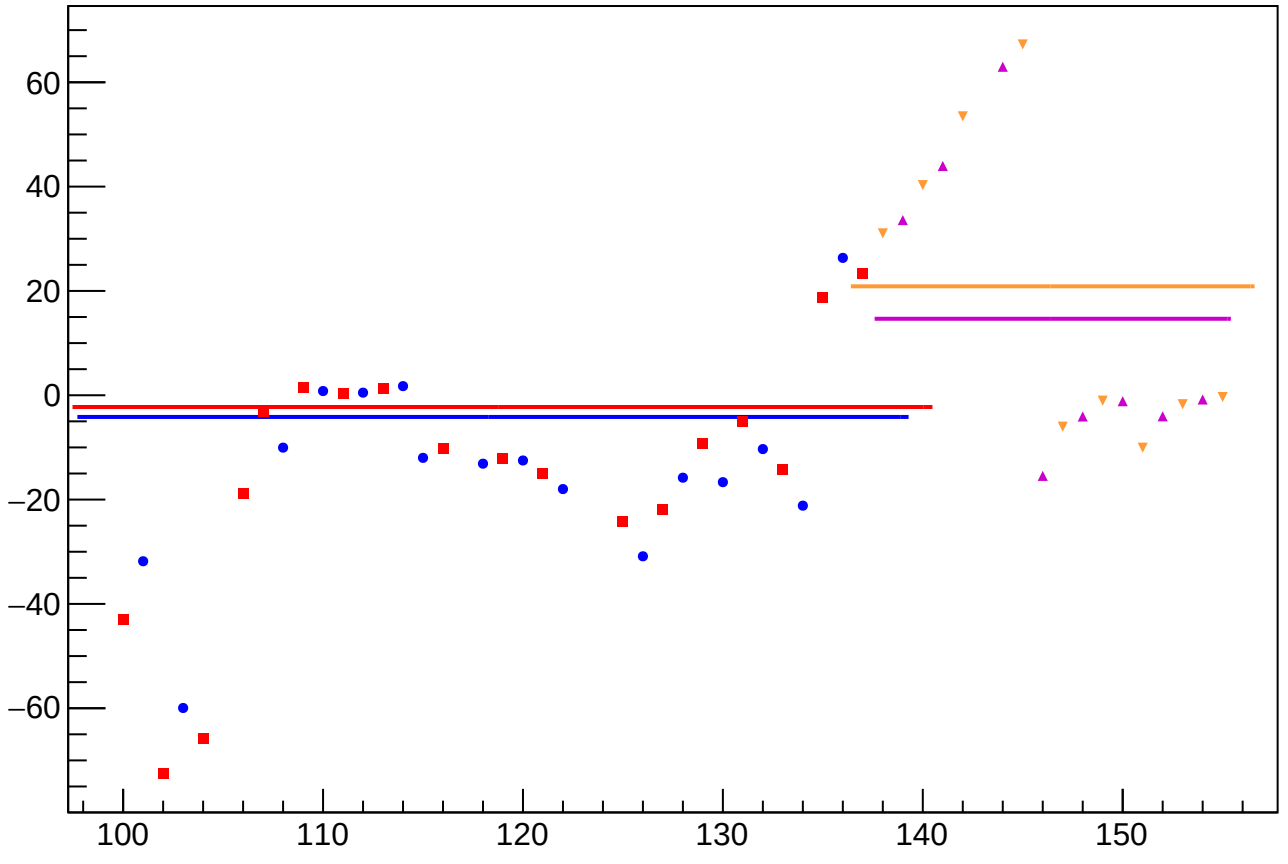
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.051+/-0.001 χ^2/NDF:2350.6/7

+ sign -0.077+/-0.001 χ^2/NDF: 13275.1/24

All: -0.063+/-0.001 χ^2/NDF: 30497.0/50

- sign -0.053+/-0.001 χ^2/NDF: 16819.7/25



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 20.881+/-0.092 χ^2/NDF:68053.9/8

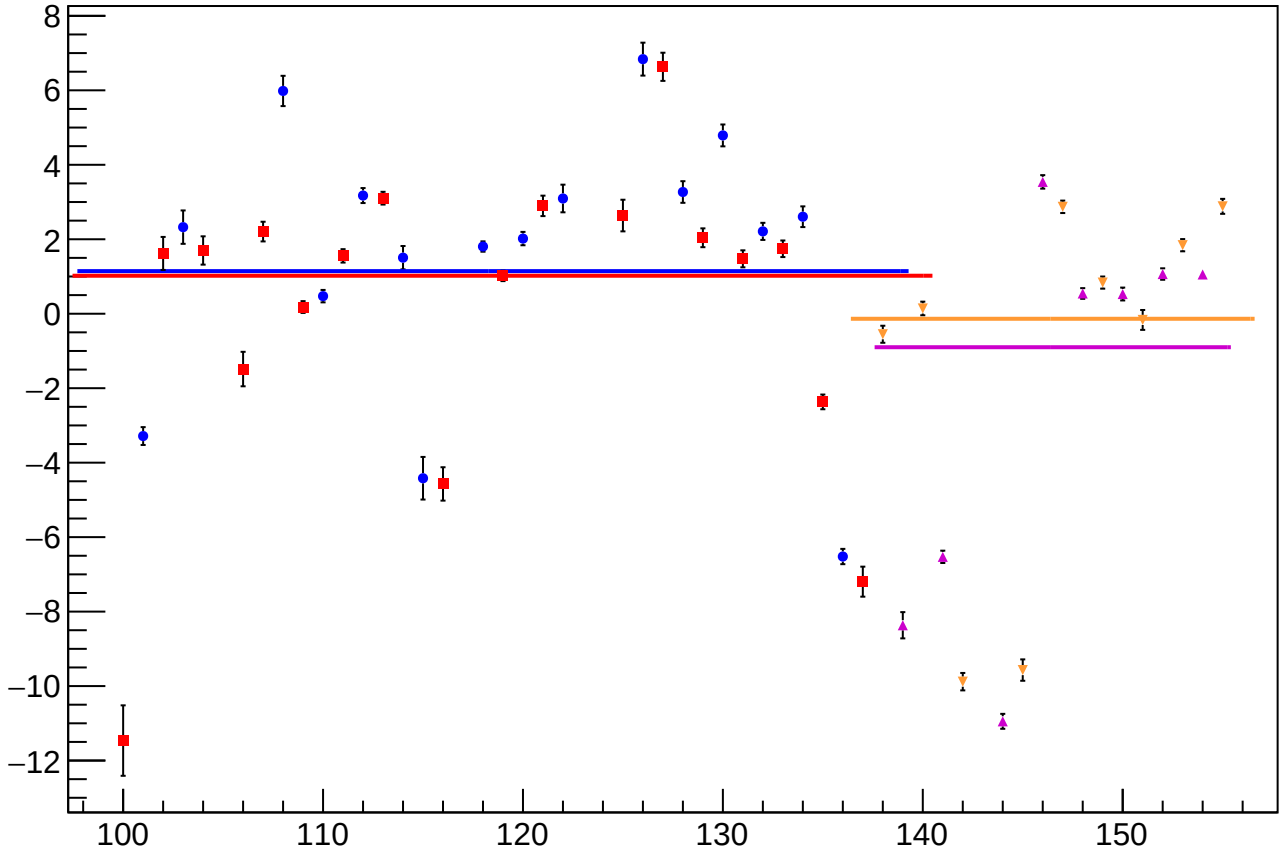
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 14.663+/-0.080 χ^2/NDF:90650.7/7

+ sign 2.318+/-0.047 χ^2/NDF: 198323.4/24

All: 2.089+/-0.030 χ^2/NDF: 402074.7/50

- sign 1.924+/-0.040 χ^2/NDF: 203710.3/25



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -0.135+/-0.066 χ^2/NDF:3547.2/8

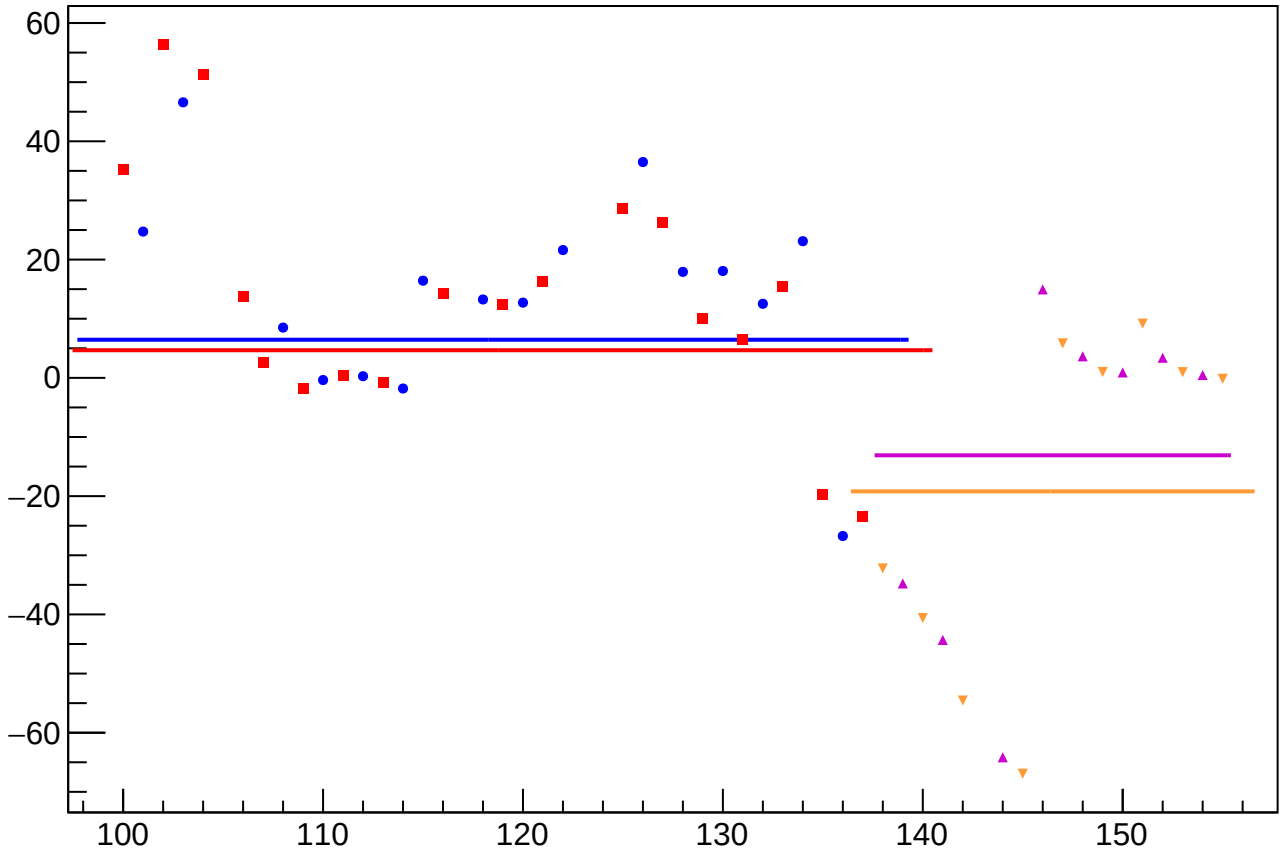
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -0.899+/-0.056 χ^2/NDF:5395.2/7

+ sign 0.565+/-0.044 χ^2/NDF: 6347.5/24

All: 0.279+/-0.030 χ^2/NDF: 13982.4/50

- sign 0.046+/-0.040 χ^2/NDF: 7559.7/25



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -19.194+/-0.090 χ^2/NDF:70107.9/8

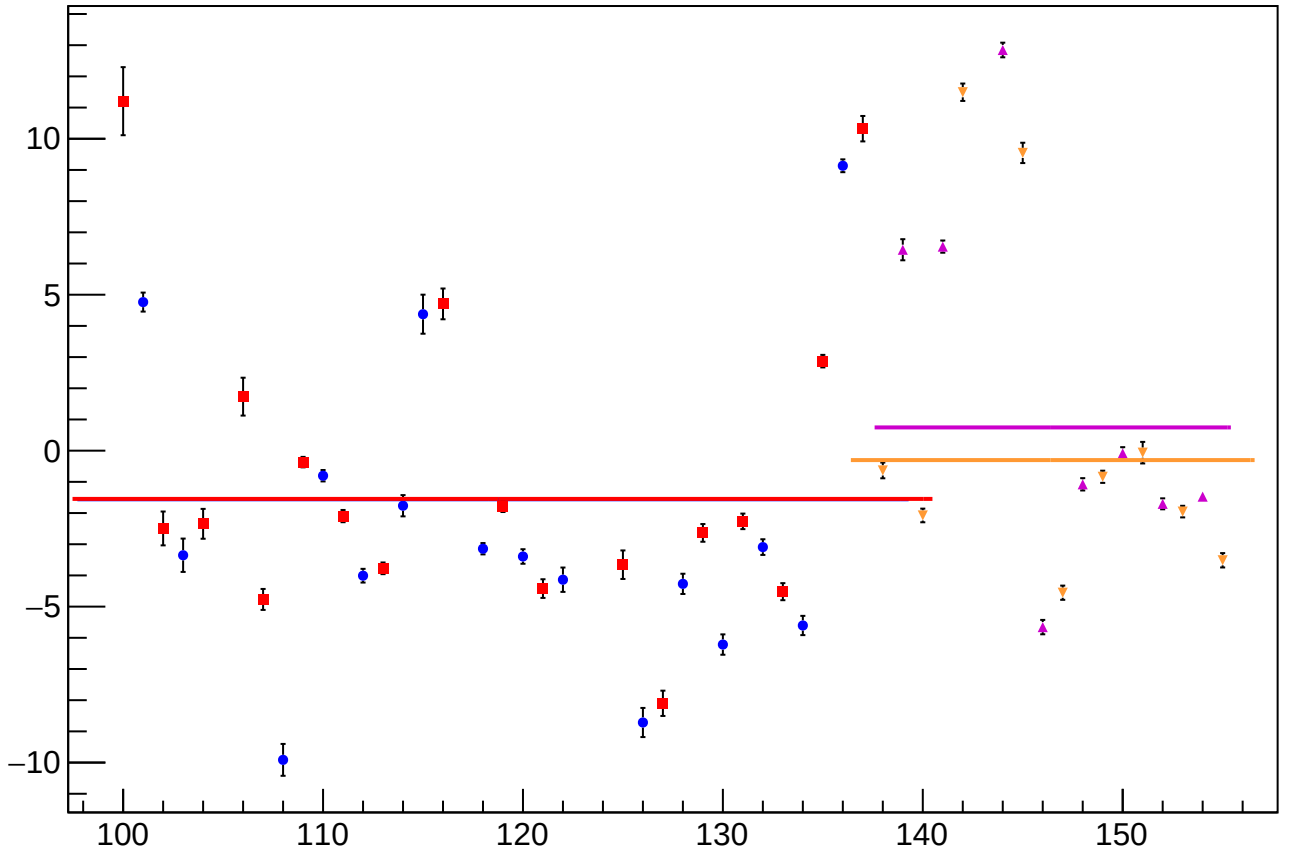
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -13.093+/-0.078 χ^2/NDF:92788.1/7

\+ sign -2.272+/-0.053 χ^2/NDF: 194031.5/24

All: -2.024+/-0.035 χ^2/NDF: 394425.6/50

\- sign -1.826+/-0.047 χ^2/NDF: 200354.1/25



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -0.302+/-0.079 χ^2/NDF:3398.3/8

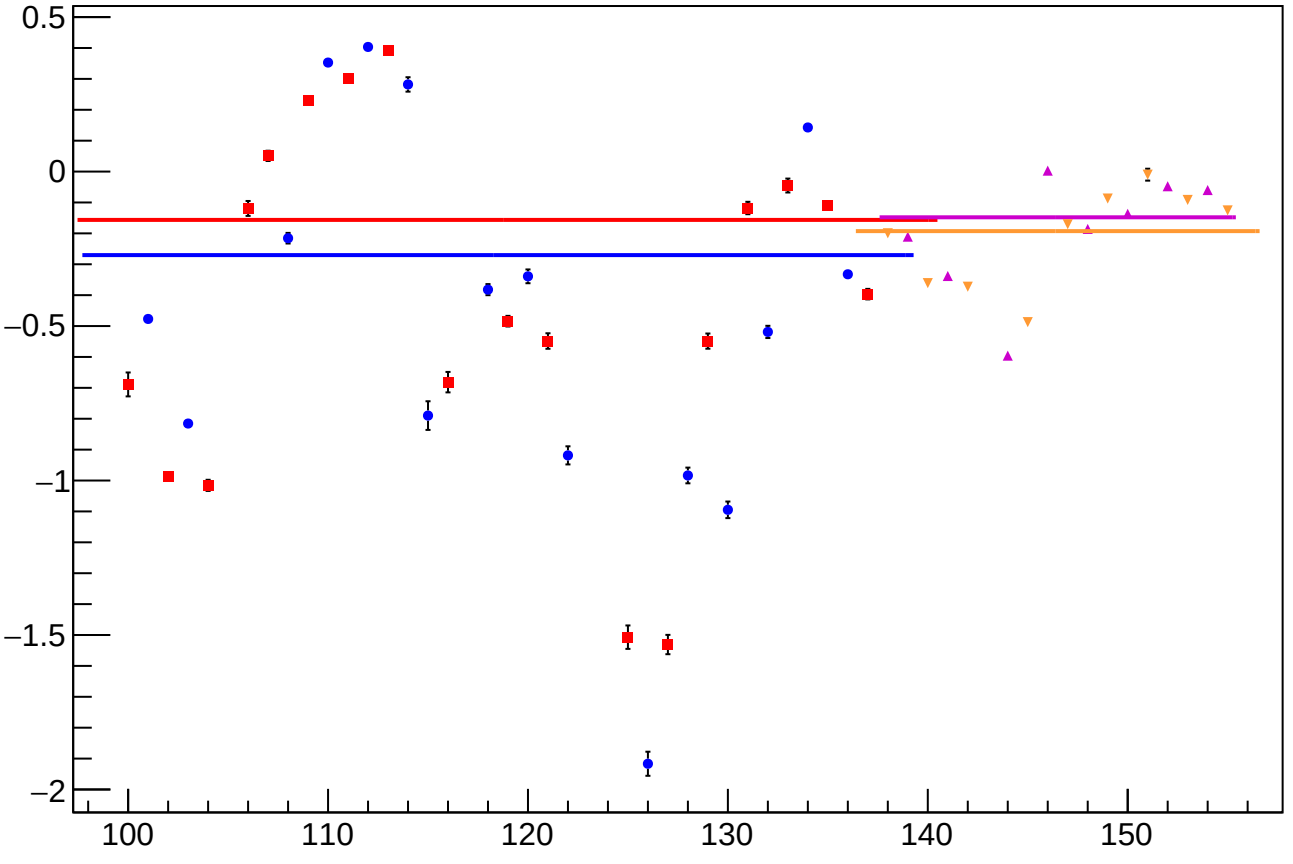
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 0.745+/-0.067 χ^2/NDF:5215.5/7

+ sign -1.013+/-0.052 χ^2/NDF: 8084.5/24

All: -0.695+/-0.035 χ^2/NDF: 16445.0/50

- sign -0.443+/-0.046 χ^2/NDF: 8293.8/25



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.193+/-0.003 χ^2/NDF:1330.1/8

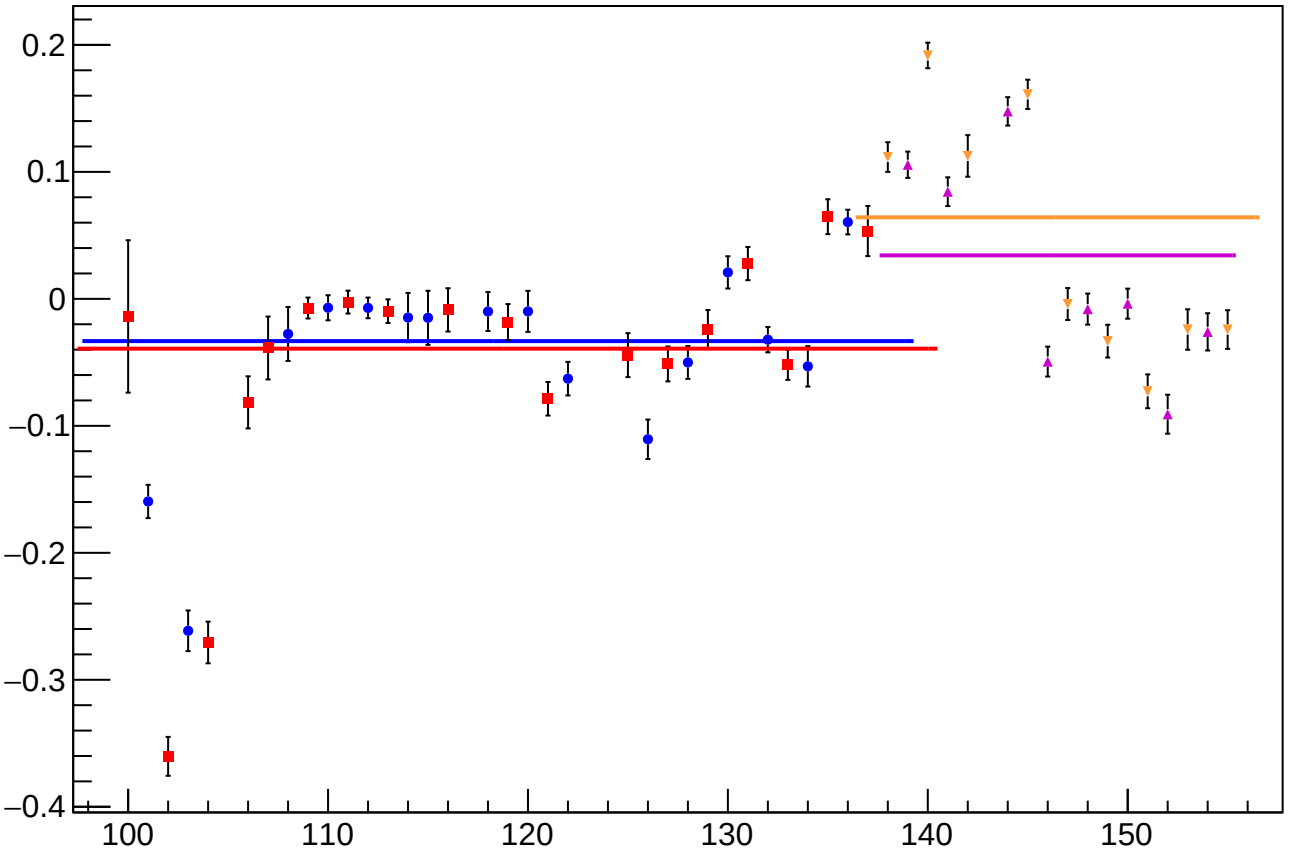
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.148+/-0.003 χ^2/NDF:2411.2/7

+ sign -0.225+/-0.003 χ^2/NDF: 13632.4/24

All: -0.182+/-0.002 χ^2/NDF: 31519.1/50

- sign -0.151+/-0.002 χ^2/NDF: 17444.3/25



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.064+/-0.004 χ^2/NDF:512.8/8

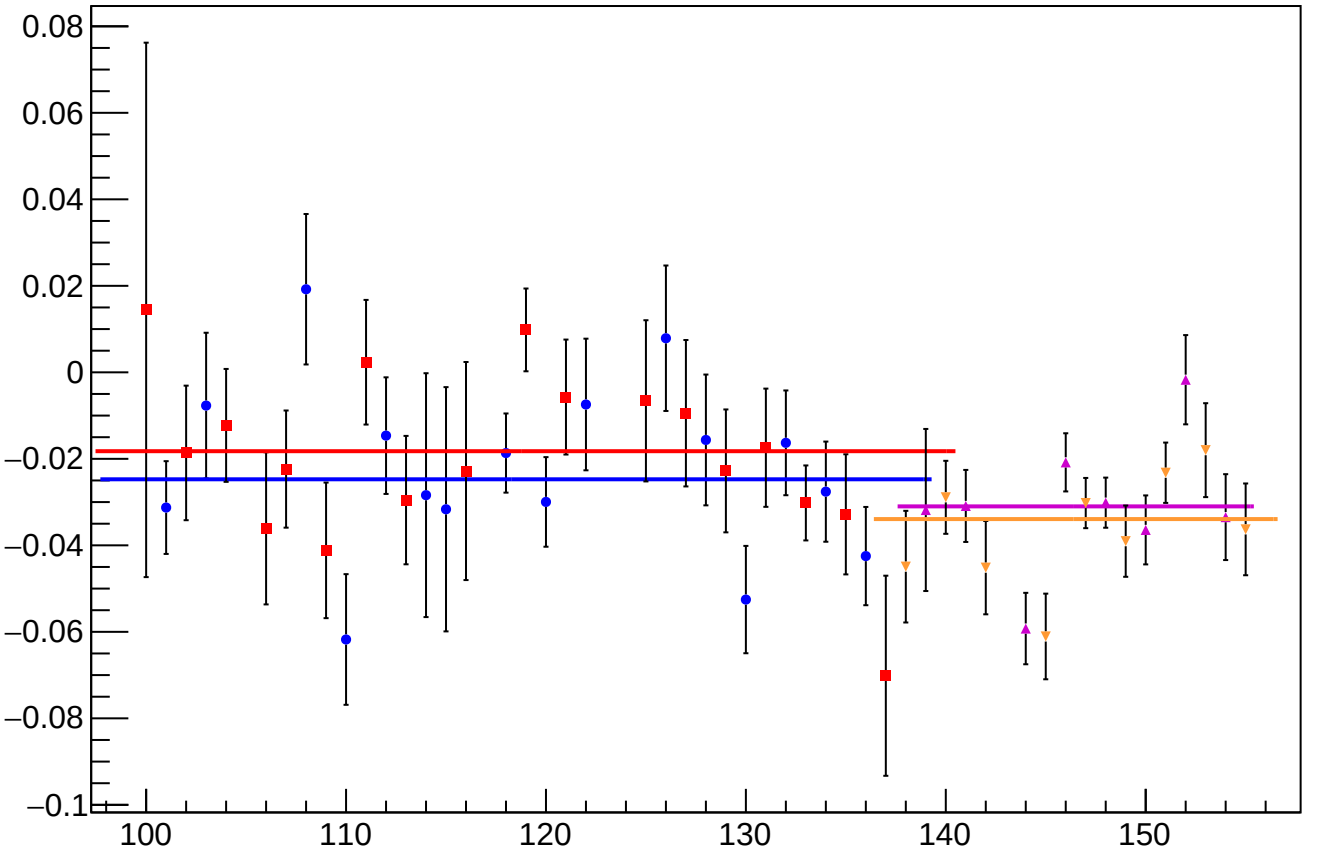
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.034+/-0.004 χ^2/NDF:325.9/7

+ sign 0.002+/-0.003 χ^2/NDF: 1307.9/24

All: -0.006+/-0.002 χ^2/NDF: 2648.8/50

- sign -0.013+/-0.003 χ^2/NDF: 1324.1/25



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.034+/-0.003 χ^2/NDF:15.0/8

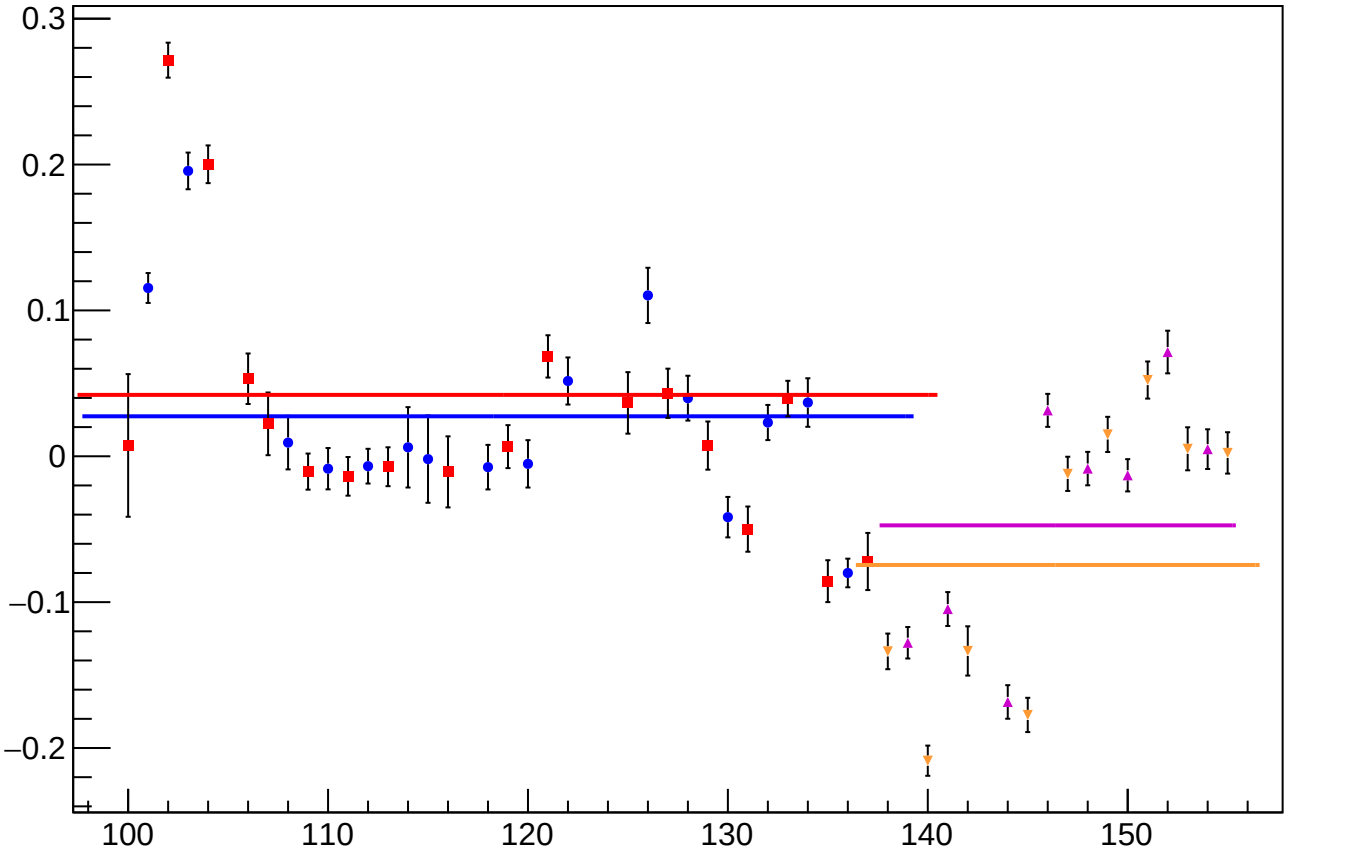
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.003 χ^2/NDF:22.6/7

+ sign -0.030+/-0.002 χ^2/NDF: 48.0/24

All: -0.028+/-0.002 χ^2/NDF: 105.5/50

- sign -0.026+/-0.002 χ^2/NDF: 55.5/25



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.075+/-0.004 χ^2/NDF:521.5/8

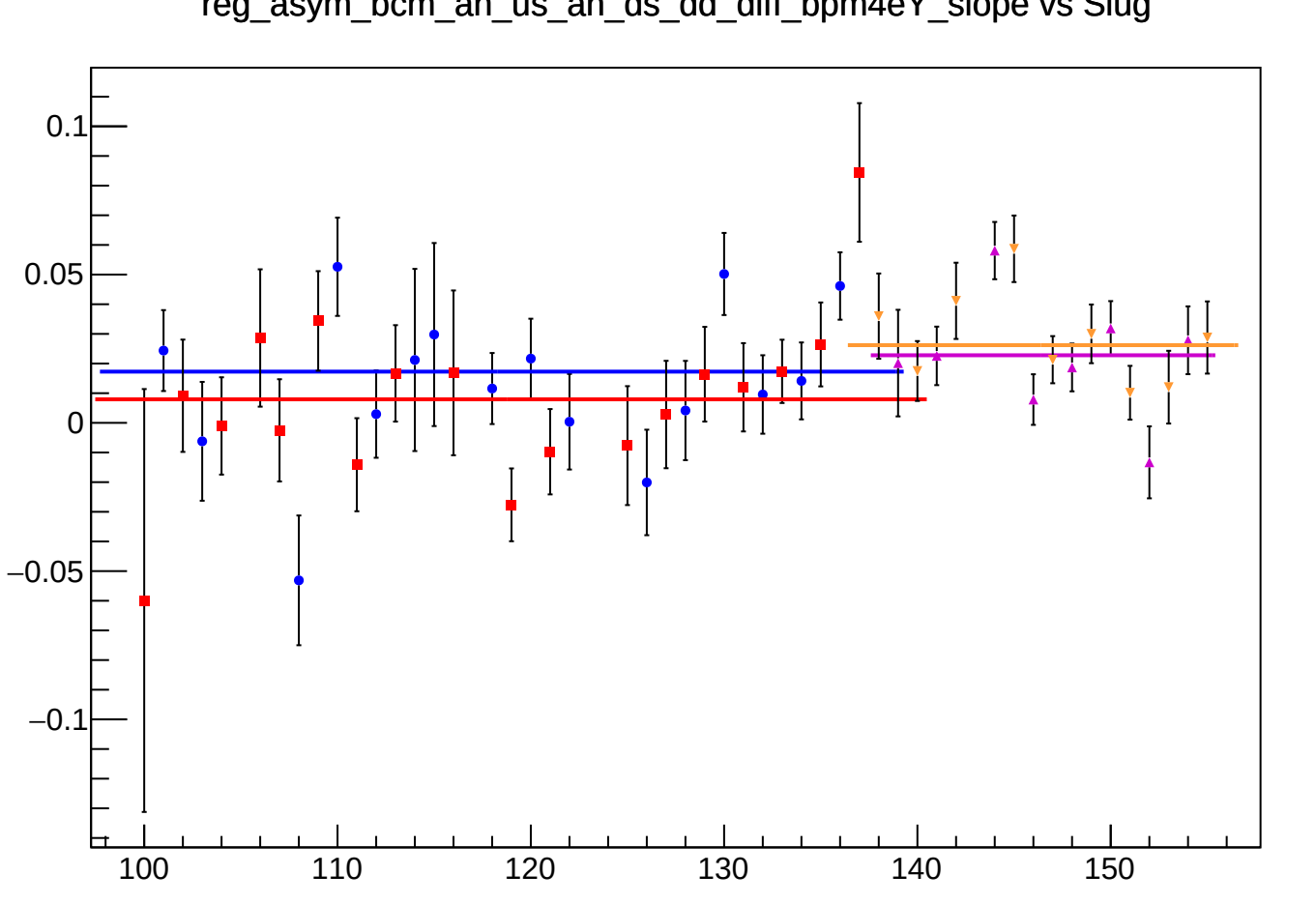
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

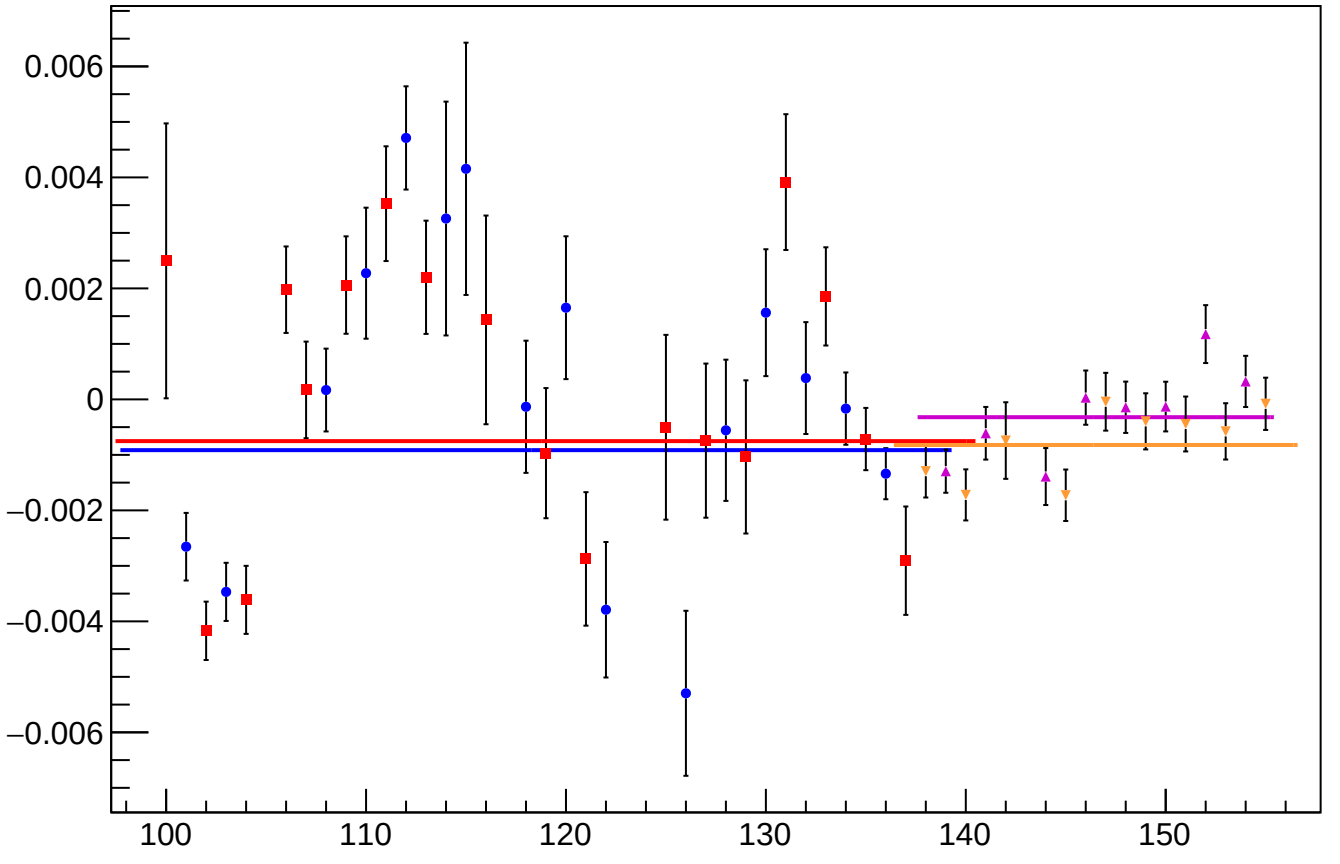
Left In: -0.047+/-0.004 χ^2/NDF:341.3/7

+ sign -0.015+/-0.003 χ^2/NDF: 1309.0/24

All: -0.006+/-0.002 χ^2/NDF: 2668.1/50

- sign 0.004+/-0.003 χ^2/NDF: 1335.1/25


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.026+/-0.004 χ²/NDF:16.0/8
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.023+/-0.004 χ²/NDF:26.7/7
+ sign 0.022+/-0.003 χ²/NDF: 55.6/24
All: 0.019+/-0.002 χ²/NDF: 124.3/50
- sign 0.016+/-0.003 χ²/NDF: 66.0/25



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:14.9/8

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

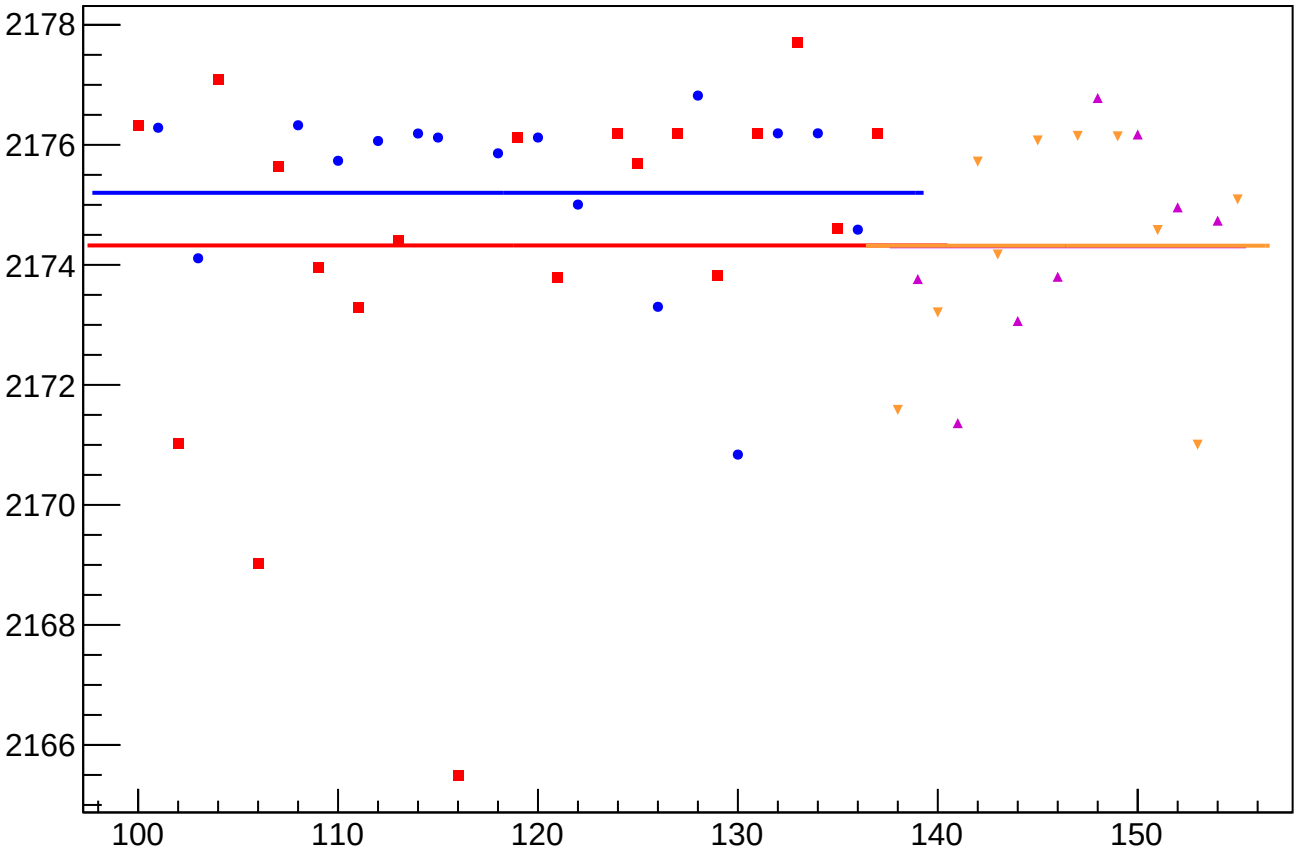
Left In: -0.000+/-0.000 χ^2/NDF:22.0/7

+ sign -0.001+/-0.000 χ^2/NDF: 129.1/24

All: -0.001+/-0.000 χ^2/NDF: 305.4/50

- sign -0.000+/-0.000 χ^2/NDF: 172.2/25

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.320+/-0.000 χ^2/NDF:267724203051684937343305134584627 2.0/9

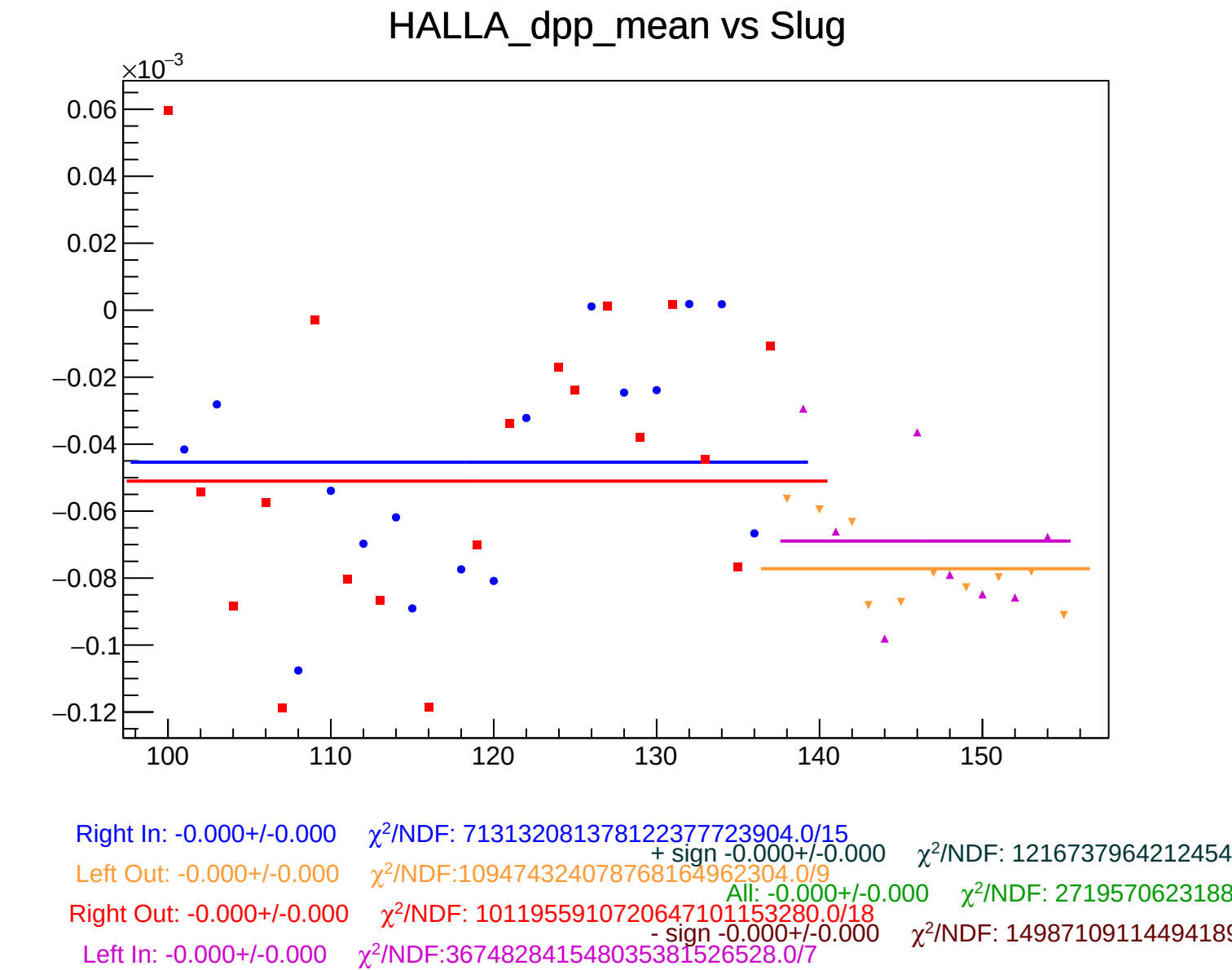
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.310+/-0.000 χ^2/NDF:191103521528394734154365485973504 0.0/7

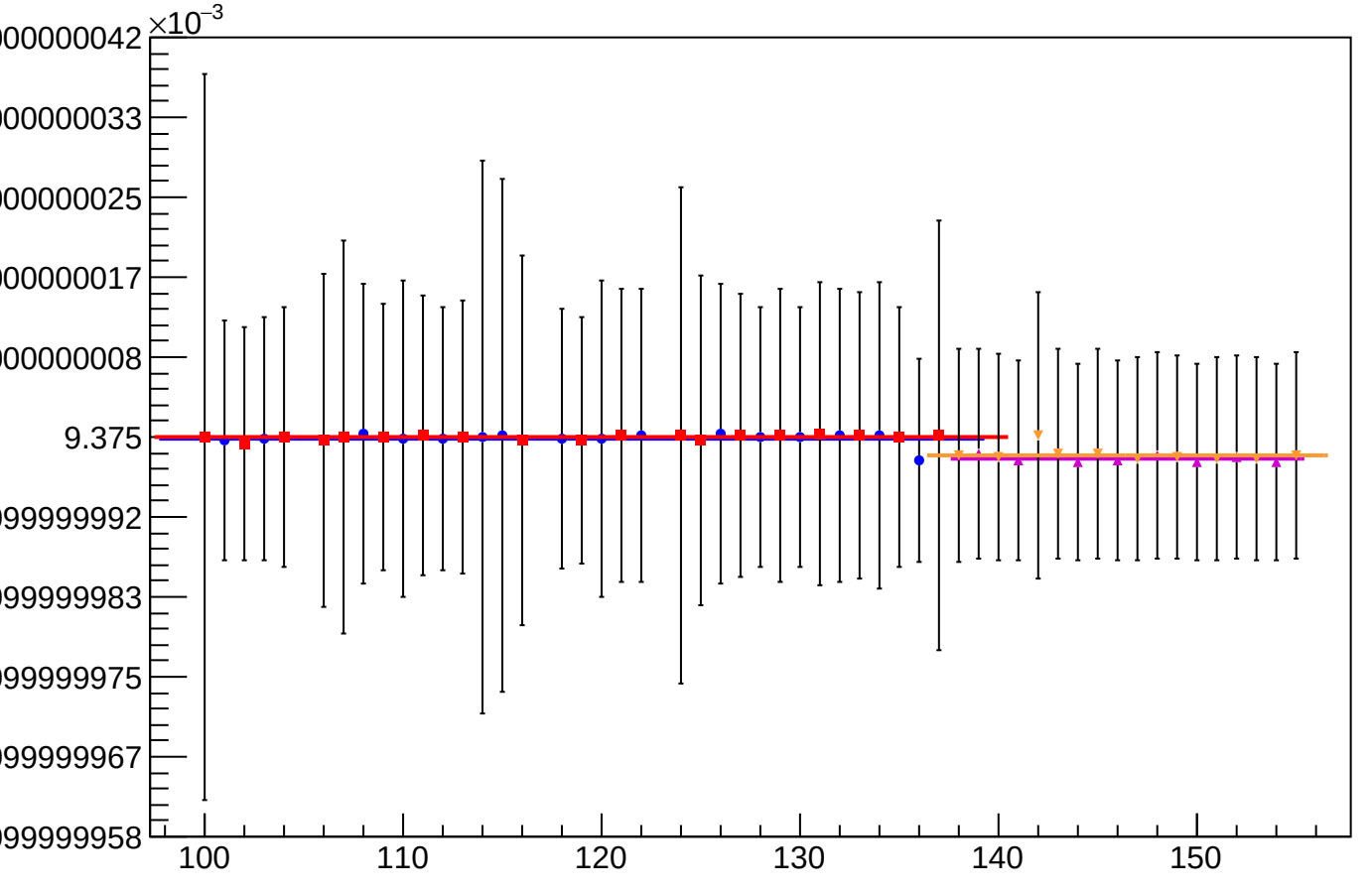
+ sign 2174.738+/-0.000 χ^2/NDF: 4745310573328 9

All: 2174.532+/-0.000 χ^2/NDF: 123337175 98

- sign 2174.317+/-0.000 χ^2/NDF: 7453346544027 7


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 713132081378122377723904.0/15
Left Out: -0.000+/-0.000 χ²/NDF:109474324078768164962304.0/9
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800/18
Left In: -0.000+/-0.000 χ²/NDF:367482841548035381526528.0/7
+ sign -0.000+/-0.000 χ²/NDF: 1216737964212454
All: -0.000+/-0.000 χ²/NDF: 2719570623188
- sign -0.000+/-0.000 χ²/NDF: 14987109114494189

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:0.0/9

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

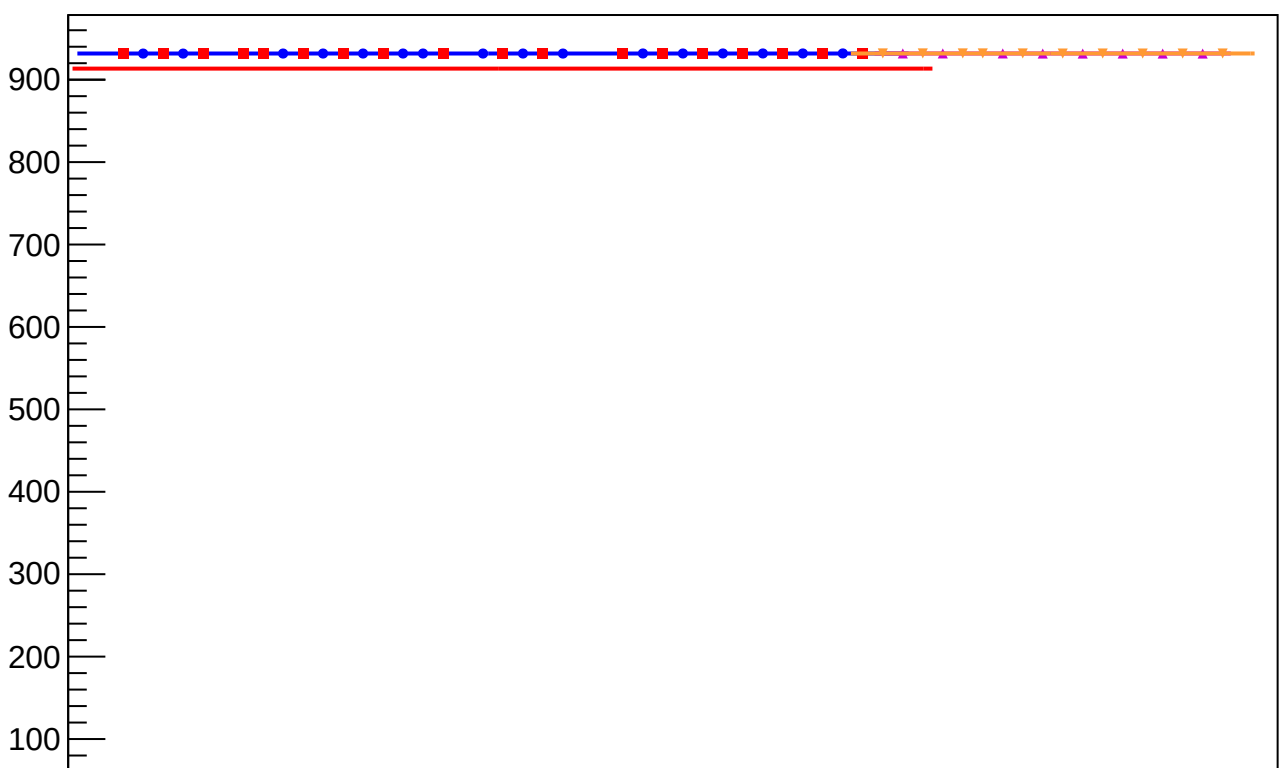
Left In: 0.009+/-0.000 χ^2/NDF:0.0/7

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/25

All: 0.009+/-0.000 χ^2/NDF: 0.4/52

- sign 0.009+/-0.000 χ^2/NDF: 0.2/26

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.784+/-0.000 χ^2/NDF: 660530938108827

Left Out: 931.797+/-0.000 χ^2/NDF:3541622636281041668630105817088.0/9

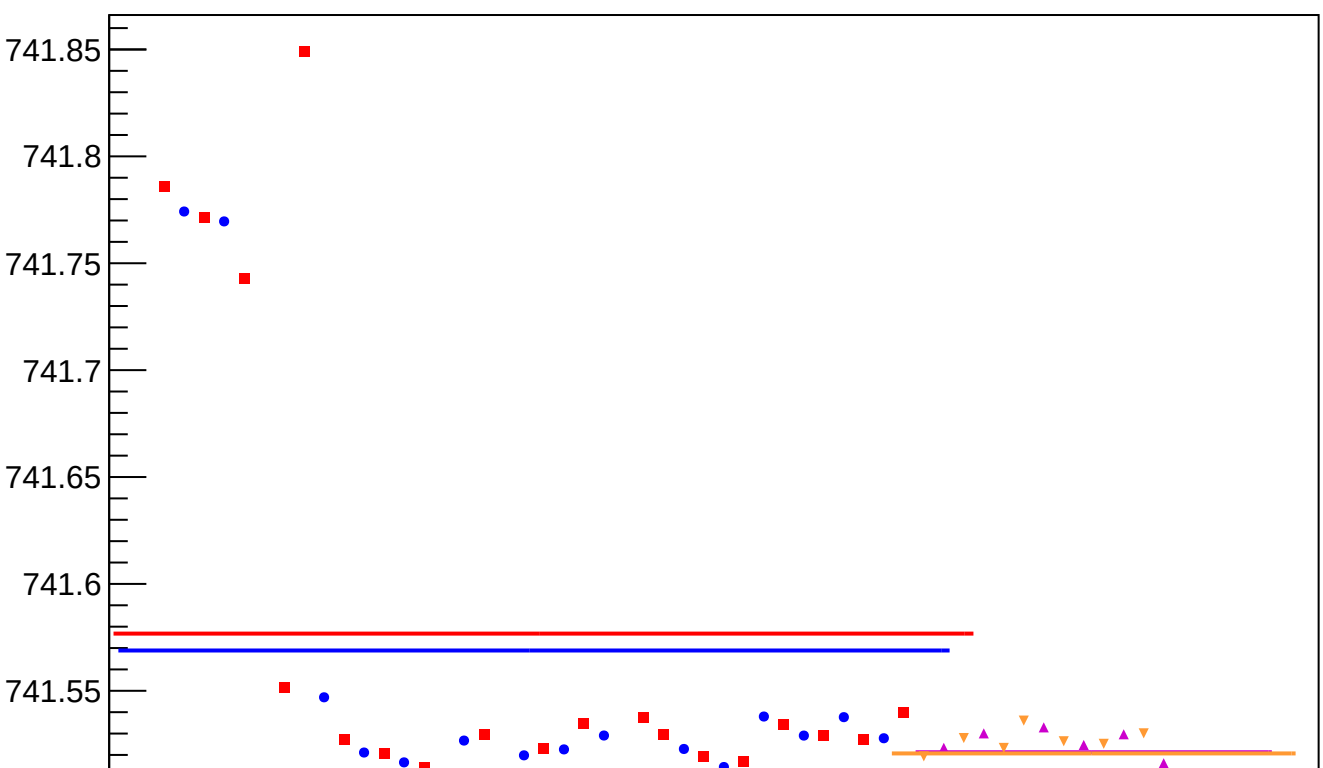
All: 927.199+/-0.000 χ^2/NDF: 12958298386

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 922.395+/-0.000 χ^2/NDF: 128910925344903

Left In: 931.786+/-0.000 χ^2/NDF:3114659305647493929907133612032.0/7

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.521+/-0.000 χ^2/NDF:875015218456651512749668433920.0/9

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

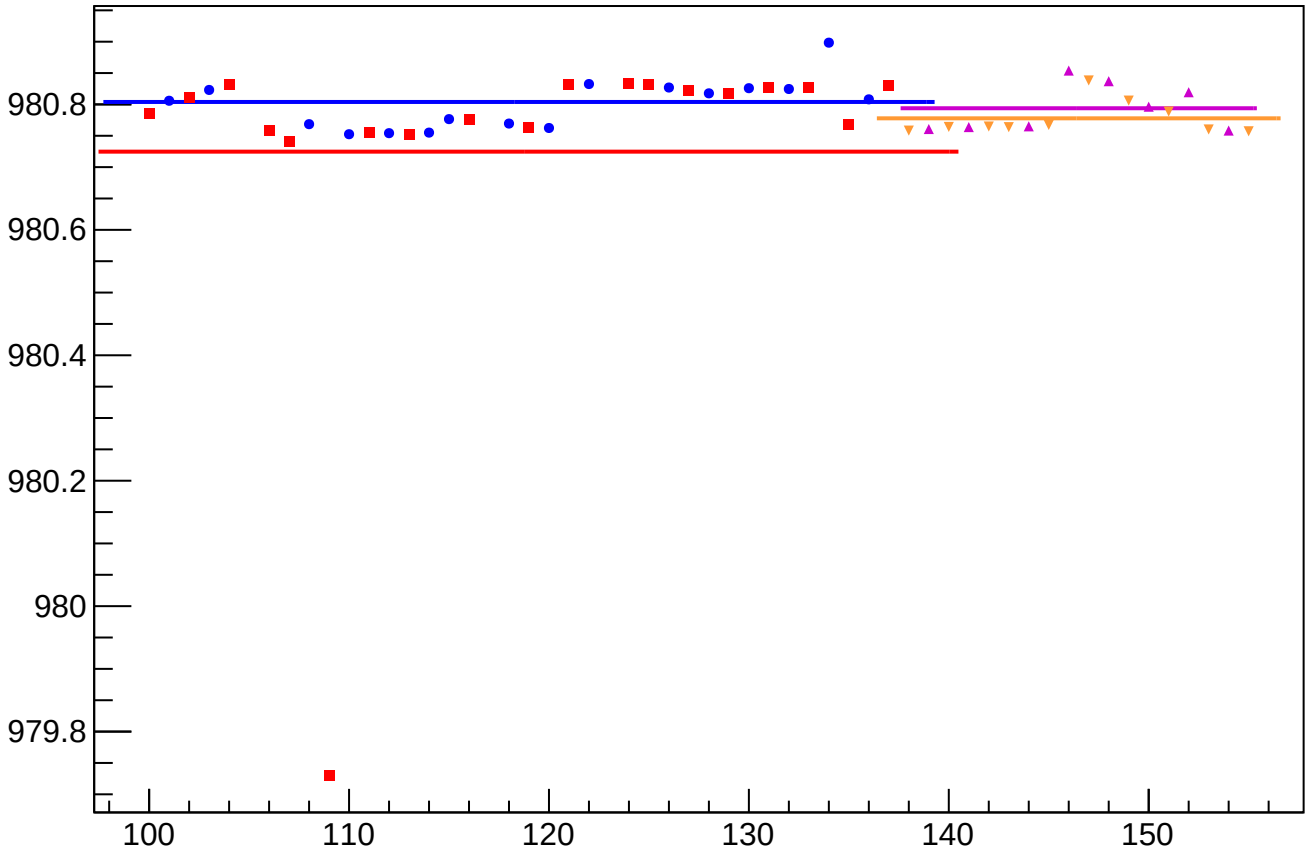
Left In: 741.521+/-0.000 χ^2/NDF:689355496166535390348527534 08.0/7

+ sign 741.544+/-0.000 χ^2/NDF: 742296113023751

All: 741.547+/-0.000 χ^2/NDF: 16359047350

- sign 741.550+/-0.000 χ^2/NDF: 890752083376062

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 93331327688480778677424593305 6.0/15

Left Out: 980.778+/-0.000 χ^2/NDF:54809664953710691984135841382 4.0/9

Right Out: 980.725+/-0.000 χ^2/NDF: 56040205617358336221662876270592.0/18

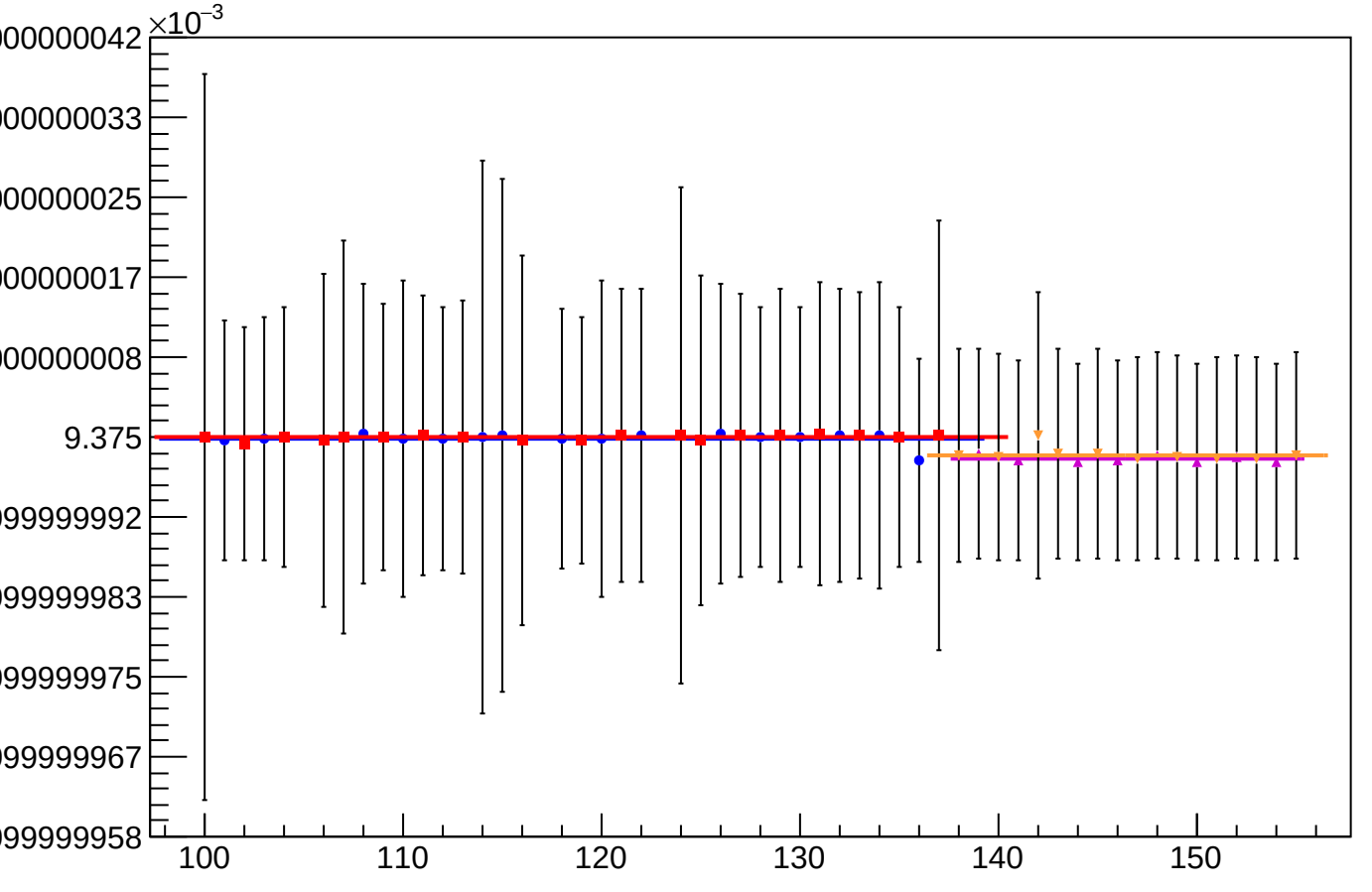
Left In: 980.794+/-0.000 χ^2/NDF:92179540846510483101417524428 8.0/7

+ sign 980.790+/-0.000 χ^2/NDF: 174640679479052

All: 980.775+/-0.000 χ^2/NDF: 612595451131

- sign 980.758+/-0.000 χ^2/NDF: 587446369176184

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:0.0/9

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

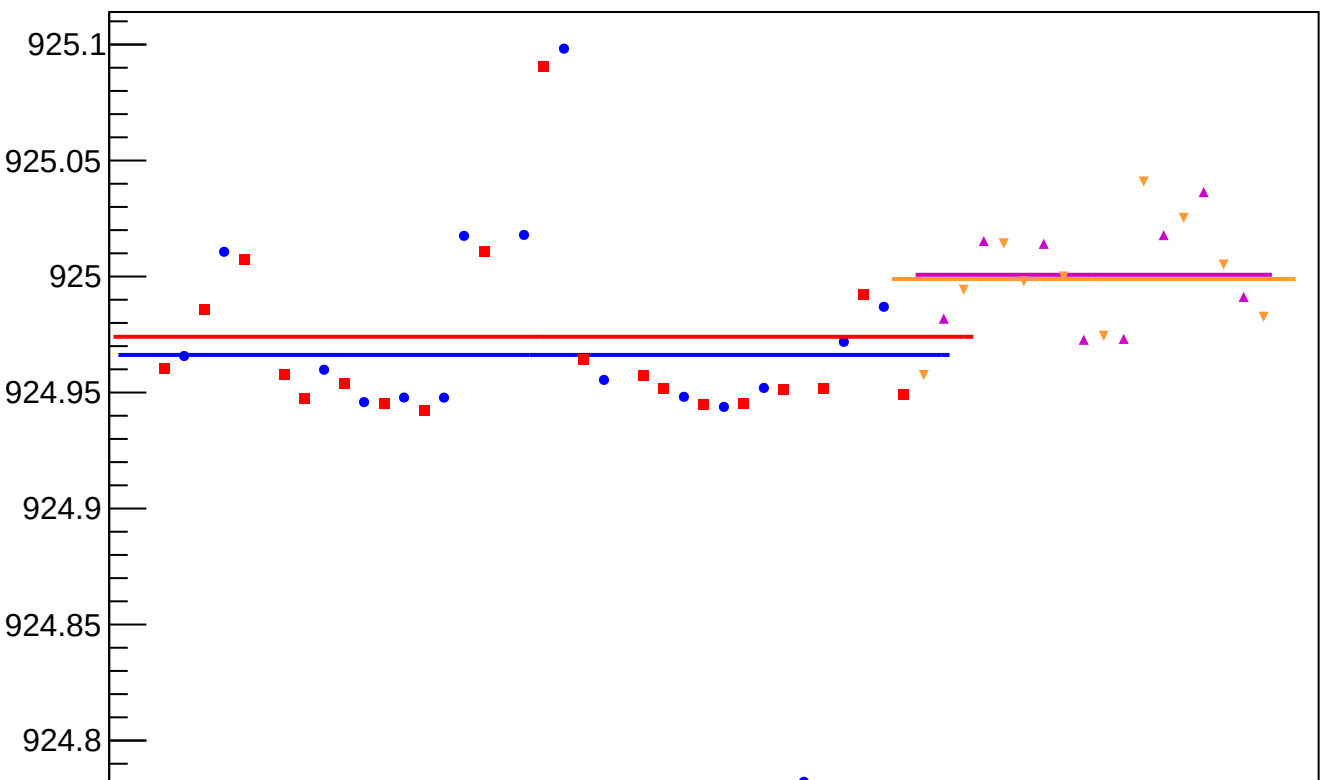
Left In: 0.009+/-0.000 χ^2/NDF:0.0/7

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/25

All: 0.009+/-0.000 χ^2/NDF: 0.4/52

- sign 0.009+/-0.000 χ^2/NDF: 0.2/26

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.999+/-0.000 χ^2/NDF:448708115248811217804509315072.0/9

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

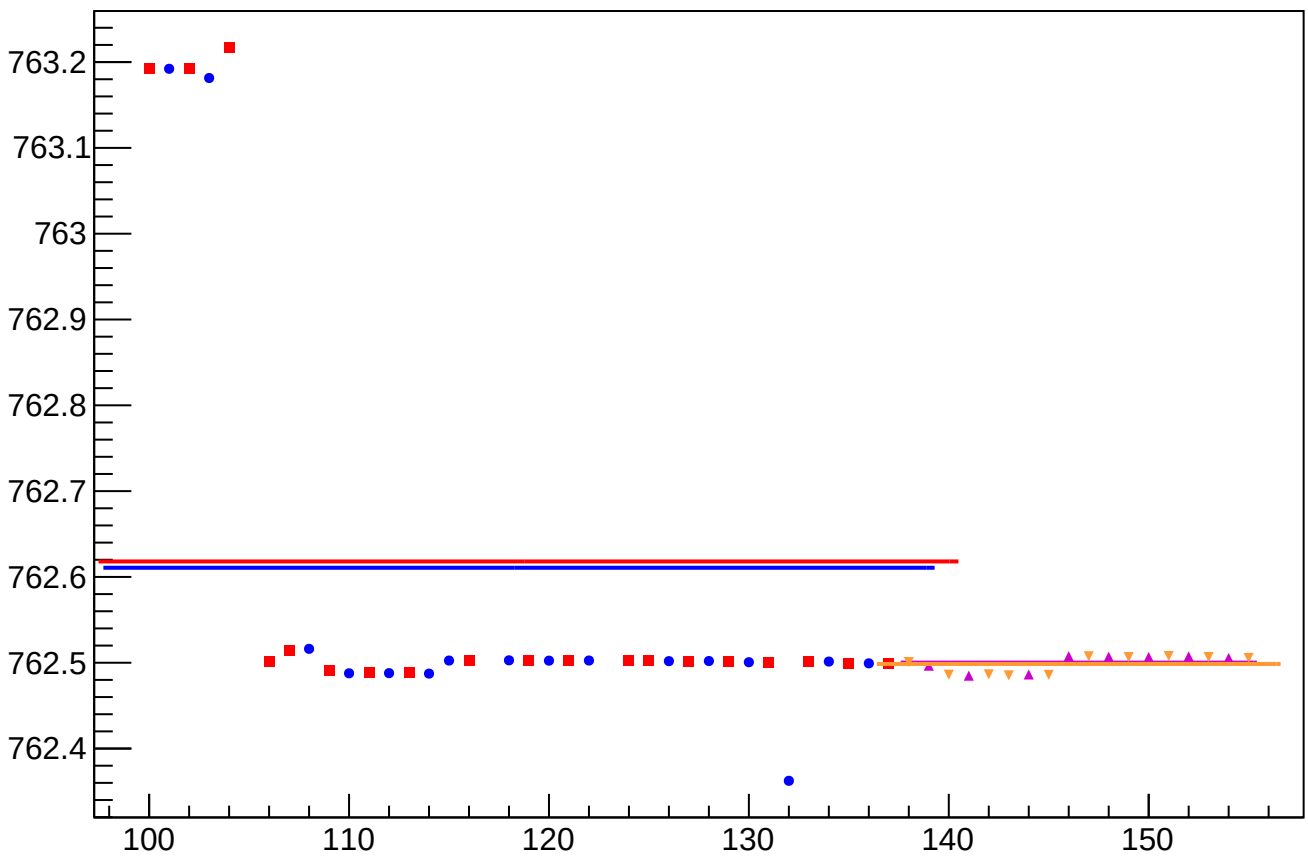
Left In: 925.001+/-0.000 χ^2/NDF:352898062040675241650768838656.0/7

+ sign 924.983+/-0.000 χ^2/NDF: 340974743517863

All: 924.985+/-0.000 χ^2/NDF: 528054308123

- sign 924.987+/-0.000 χ^2/NDF: 186050130390838

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.499+/-0.000 χ^2/NDF:7933033490389574906332735078 4.0/9

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

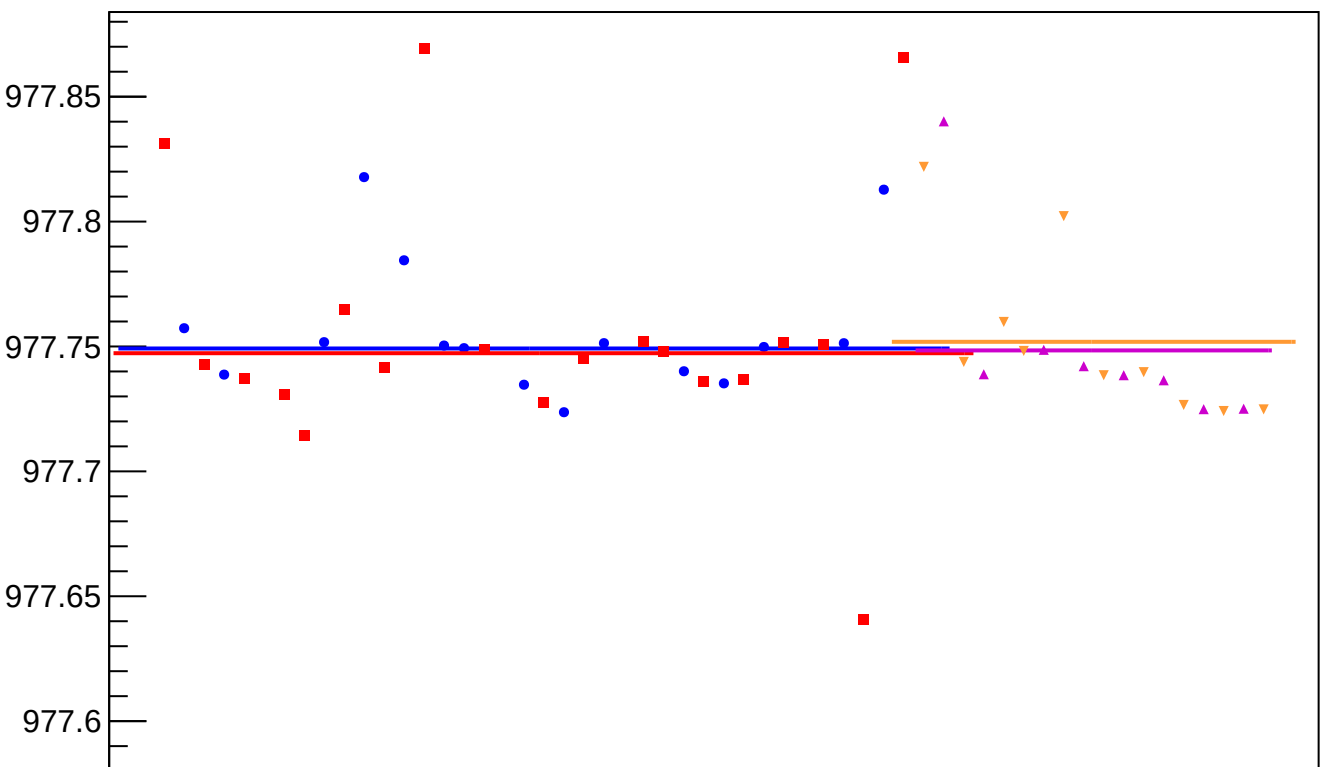
Left In: 762.500+/-0.000 χ^2/NDF:617754260167345437039929589 76.0/7

+ sign 762.552+/-0.000 χ^2/NDF: 571354642846168

All: 762.556+/-0.000 χ^2/NDF: 115561692622

- sign 762.561+/-0.000 χ^2/NDF: 583679333734890

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.752+/-0.000 χ^2/NDF:835311863134114512579464265728.0/9

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

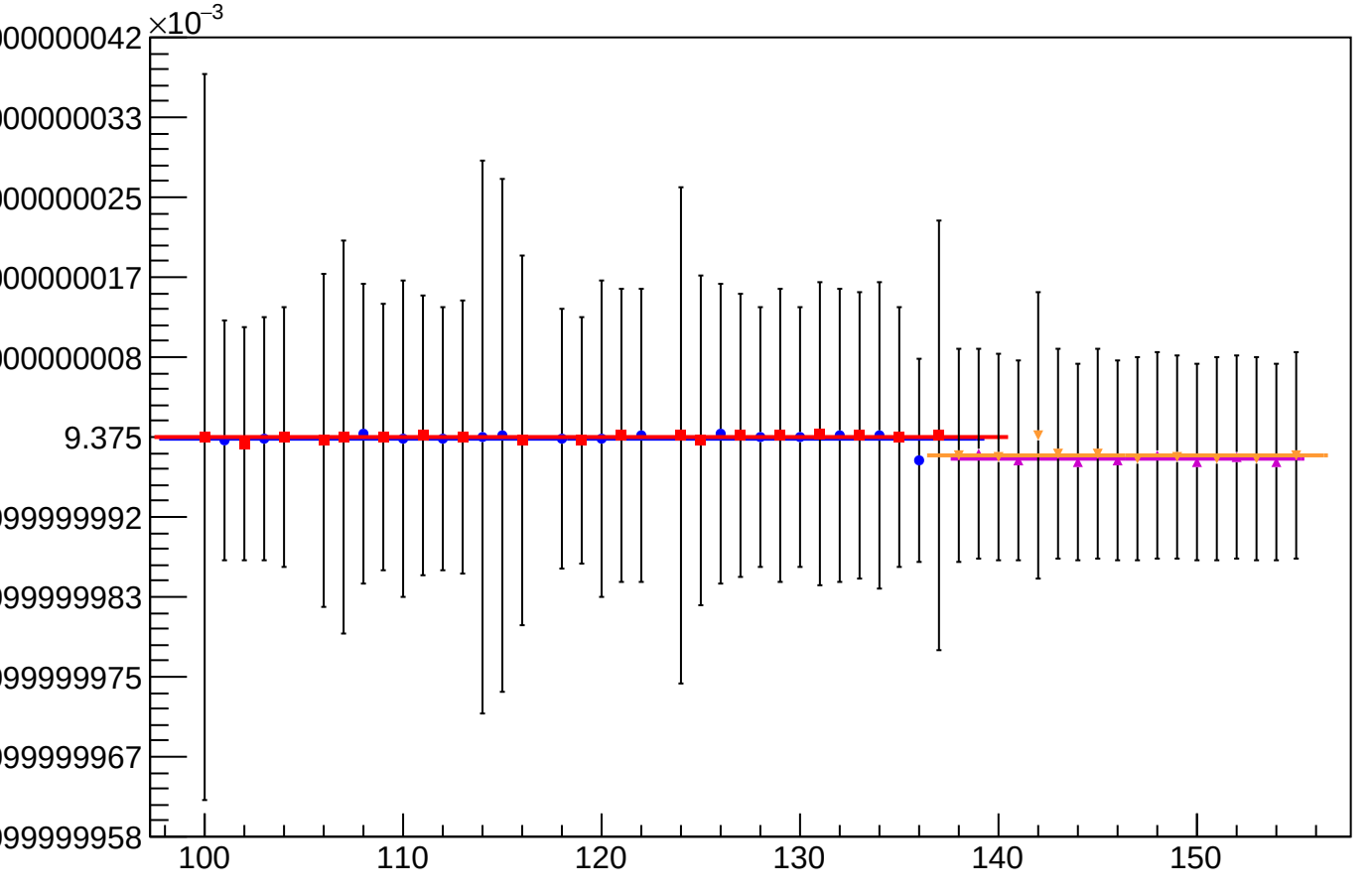
Left In: 977.748+/-0.000 χ^2/NDF:840998467310817707086565081088.0/7

+ sign 977.751+/-0.000 χ^2/NDF: 279767259602464

All: 977.749+/-0.000 χ^2/NDF: 542711635158

- sign 977.748+/-0.000 χ^2/NDF: 262369159633185

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:0.0/9

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

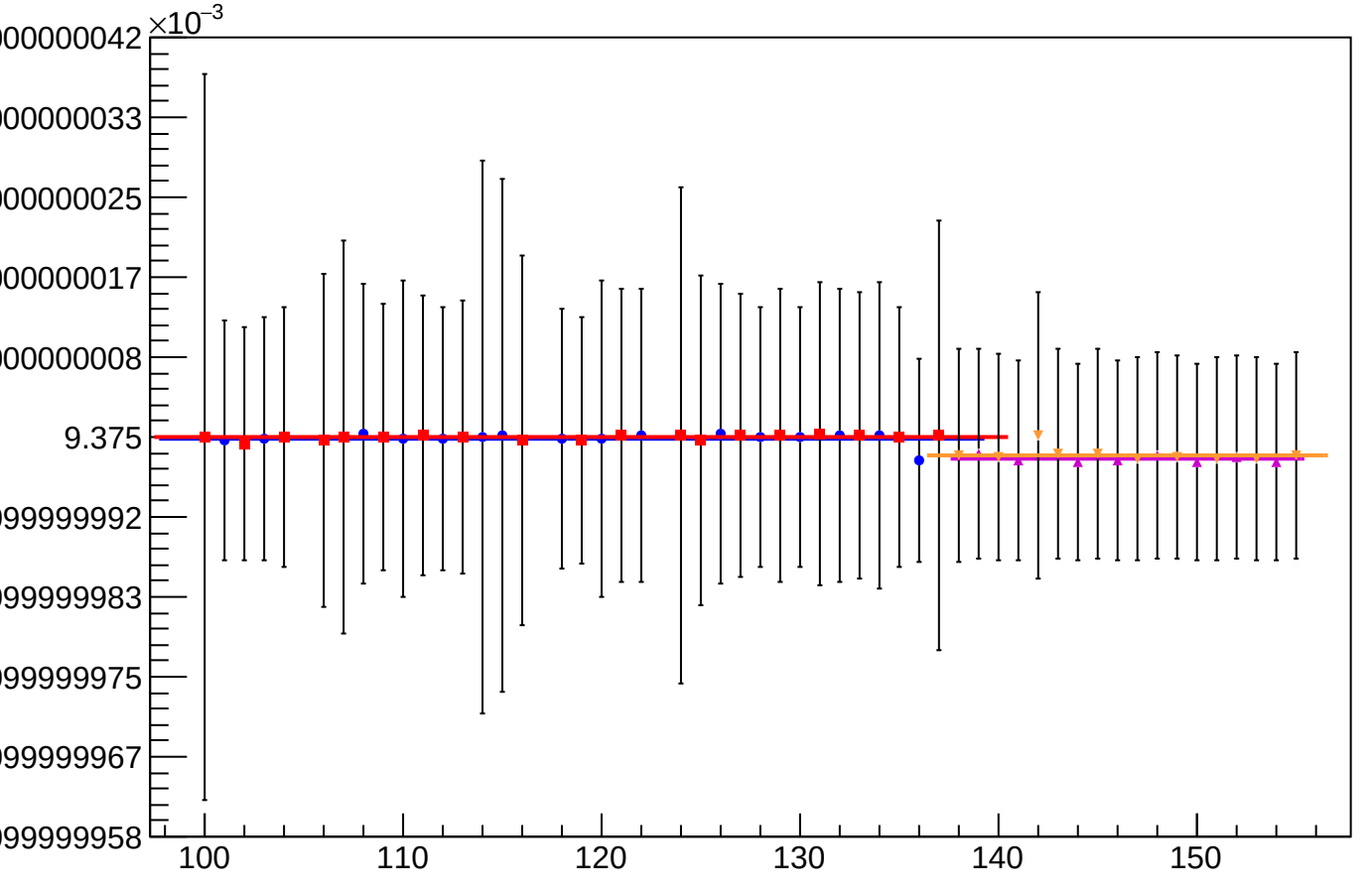
Left In: 0.009+/-0.000 χ^2/NDF:0.0/7

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/25

All: 0.009+/-0.000 χ^2/NDF: 0.4/52

- sign 0.009+/-0.000 χ^2/NDF: 0.2/26

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:0.0/9

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/7

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/25

All: 0.009+/-0.000 χ^2/NDF: 0.4/52

- sign 0.009+/-0.000 χ^2/NDF: 0.2/26

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:3103946.8/9

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

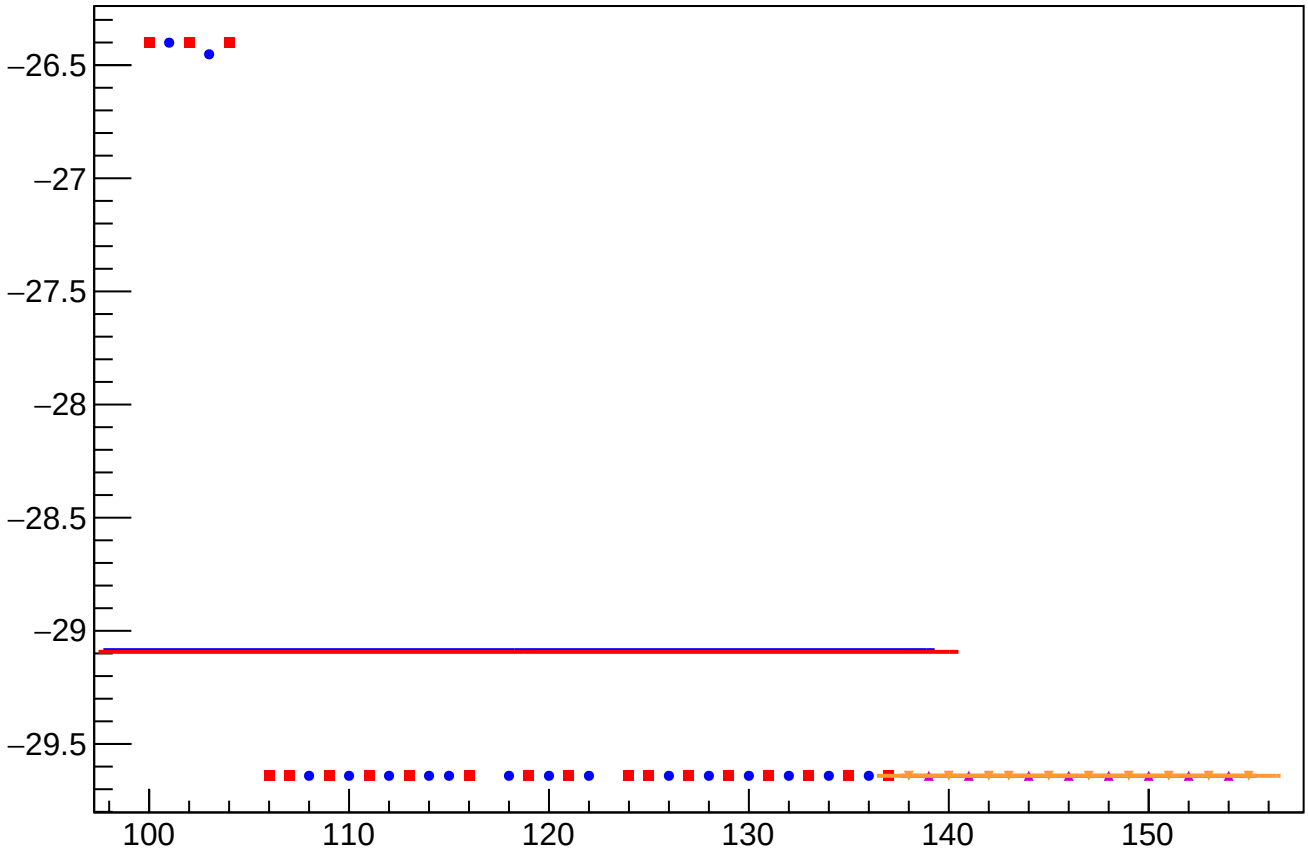
Left In: -90.599+/-0.000 χ^2/NDF:403089.0/7

+ sign -5.819+/-0.000 χ^2/NDF: 1241629625573348

All: -2.557+/-0.000 χ^2/NDF: 2432570990186

- sign 0.860+/-0.000 χ^2/NDF: 11875413502174892

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:159425.6/9

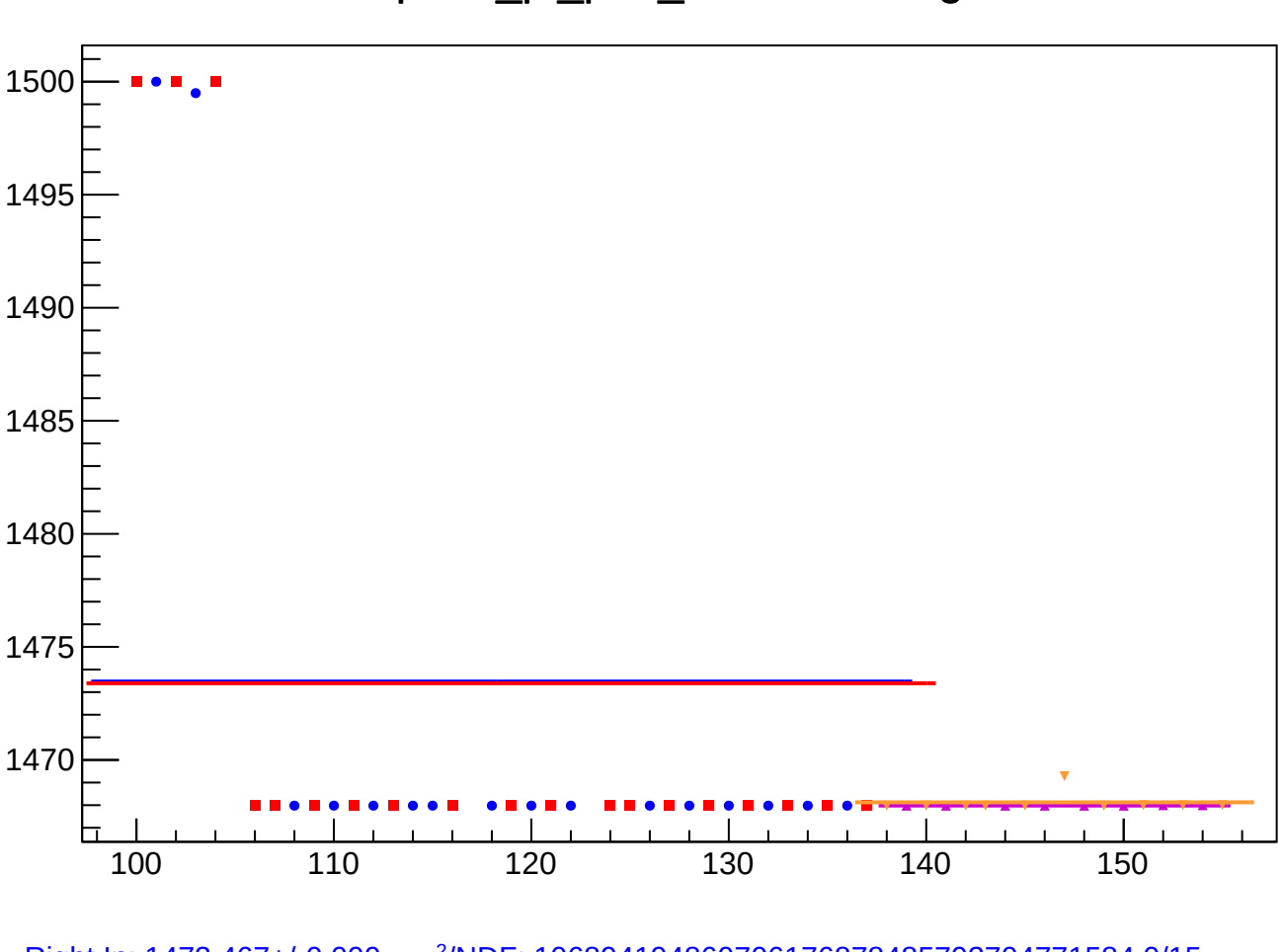
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:24524.1/7

+ sign -29.377+/-0.000 χ^2/NDF: 121439799513132

All: -29.369+/-0.000 χ^2/NDF: 245156439140

- sign -29.360+/-0.000 χ^2/NDF: 123694841234899



Right In: 1473.467+/-0.000 χ^2/NDF: 1068941948607061768784857937047715840/15

Left Out: 1468.125+/-0.000 χ^2/NDF:1318130131288905360780268341821440/9

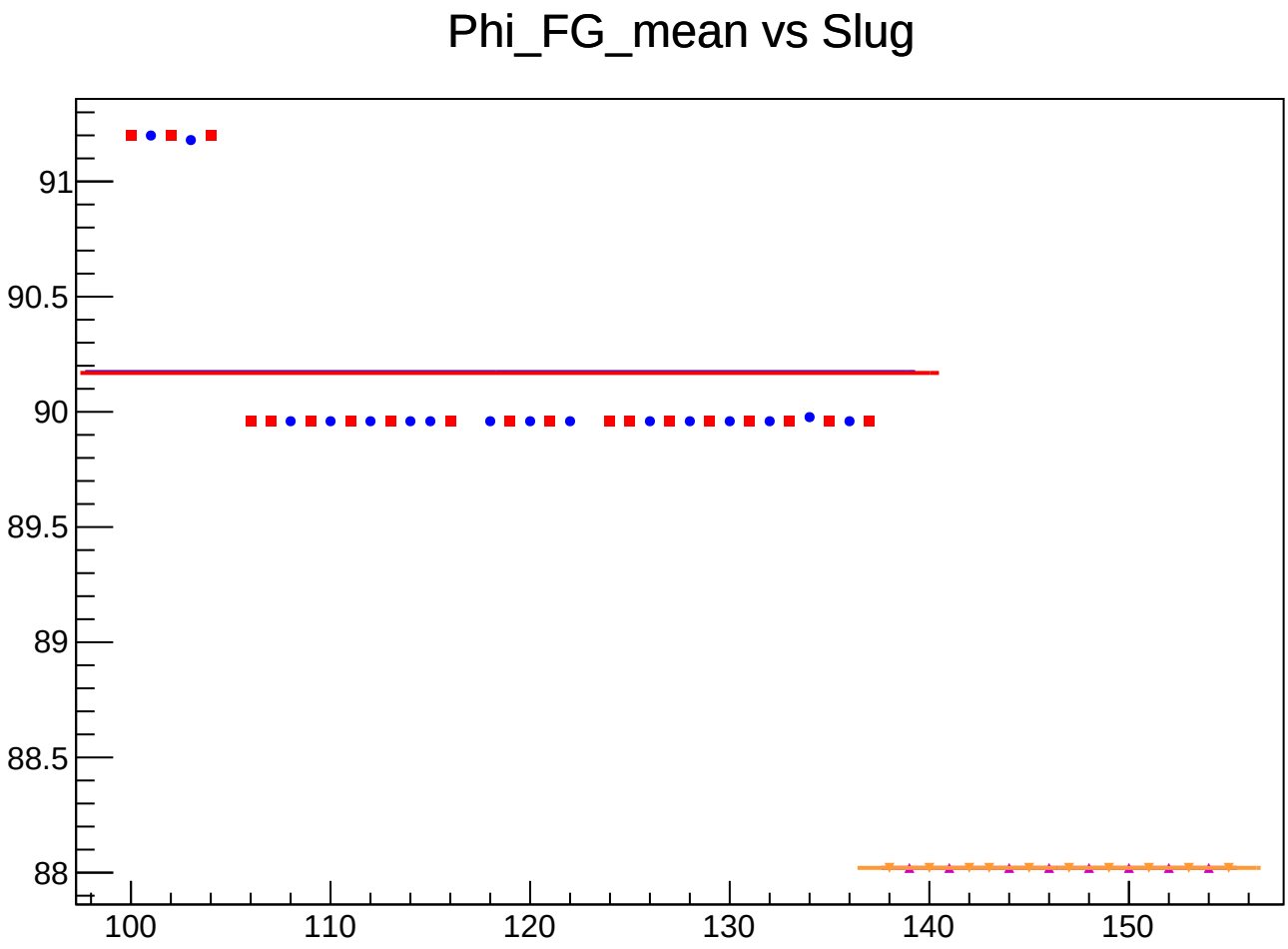
Right Out: 1473.393+/-0.000 χ^2/NDF: 1099094997334010787610678433006223360/18

Left In: 1467.984+/-0.000 χ^2/NDF:54774140284438614081202552832.0/7

+ sign 1470.661+/-0.000 χ^2/NDF: 11813408653714

All: 1470.707+/-0.000 χ^2/NDF: 2389414080

- sign 1470.754+/-0.000 χ^2/NDF: 12080075468419



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2449028.1/9

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: 88.021+/-0.000 χ^2/NDF:369767.5/7

+ sign 89.042+/-0.000 χ^2/NDF: 1962760384817331

All: 89.081+/-0.000 χ^2/NDF: 3850333246943

- sign 89.121+/-0.000 χ^2/NDF: 1882875026174130

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:9530542165714897677058048.0/9

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

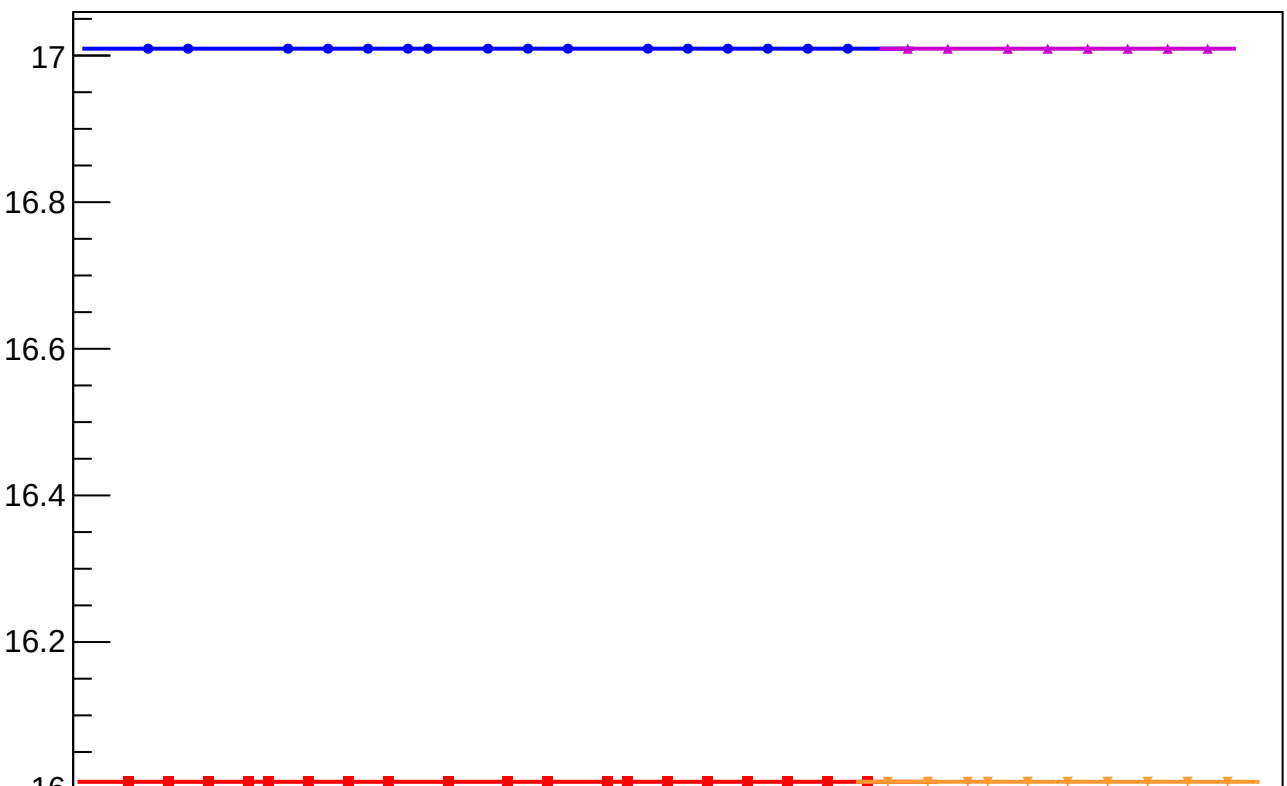
Left In: 16.009+/-0.000 χ^2/NDF:44428.6/7

+ sign 16.521+/-0.000 χ^2/NDF: 3589445387361030

All: 16.516+/-0.000 χ^2/NDF: 7047062067953

- sign 16.510+/-0.000 χ^2/NDF: 3456860253680301

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:47533.6/9

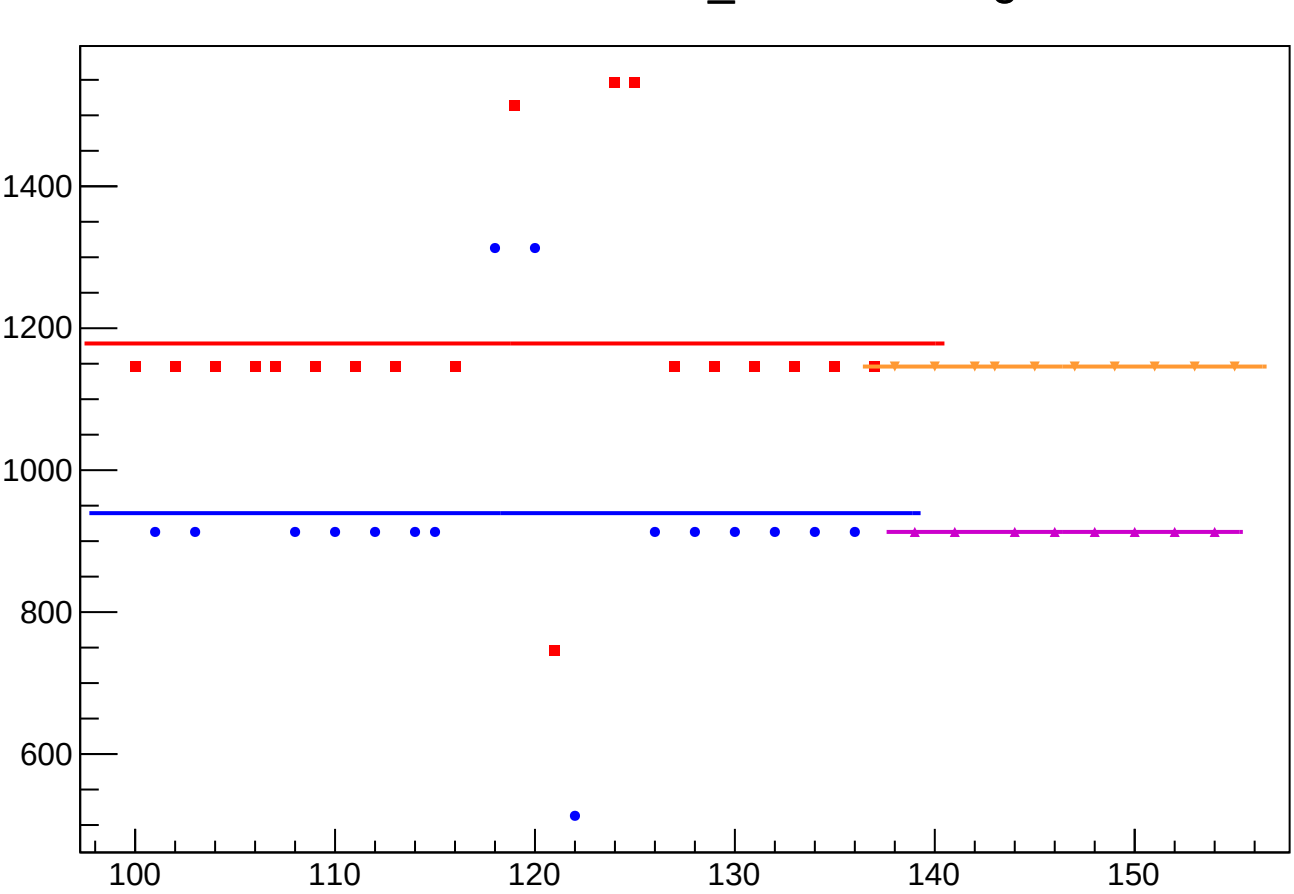
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:3433.1/7

+ sign 16.475+/-0.000 χ^2/NDF: 3777187088274042

All: 16.487+/-0.000 χ^2/NDF: 7494607190412

- sign 16.499+/-0.000 χ^2/NDF: 3713277254373840



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1047.955+/-0.000 χ^2/NDF: 3769185199672

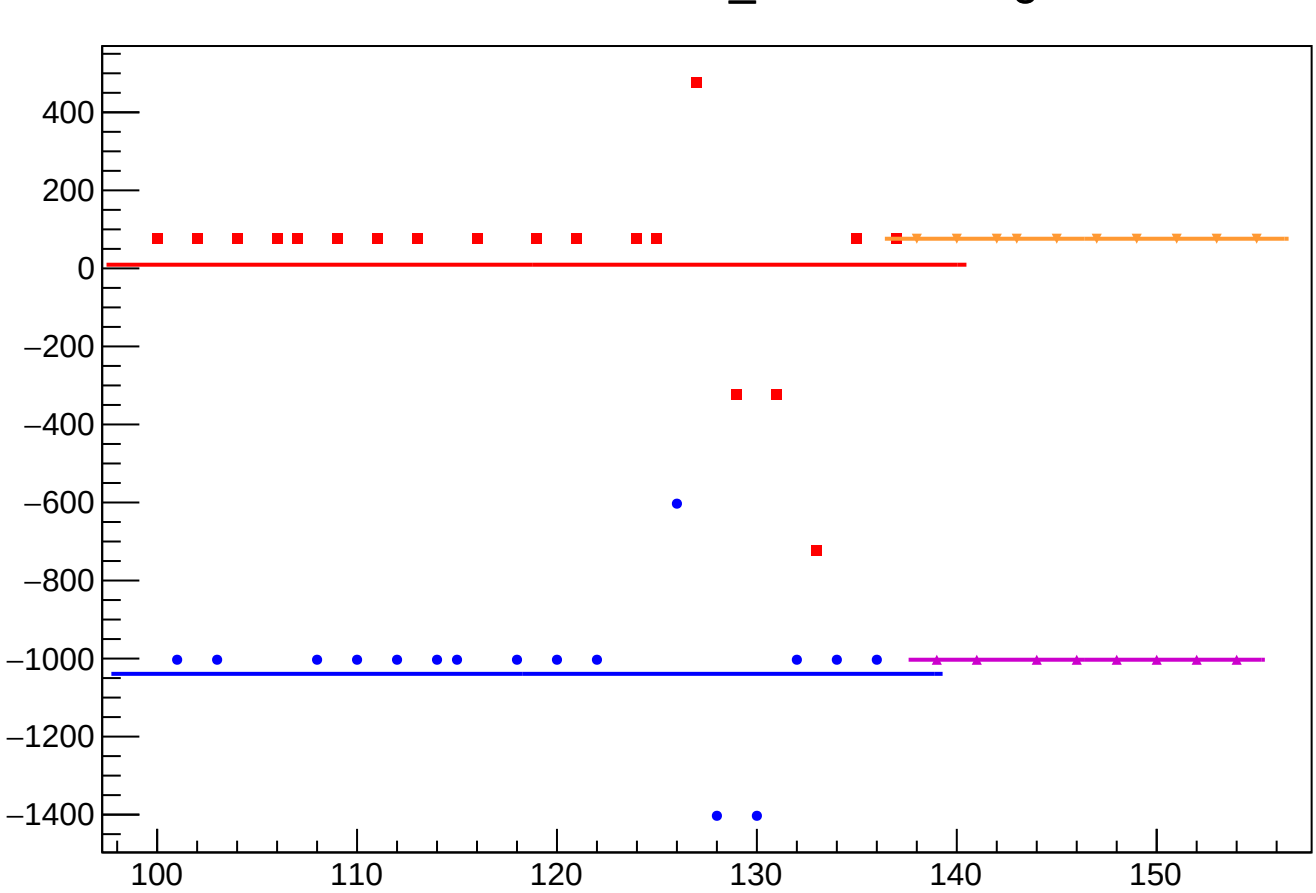
Left Out: 1146.011+/-0.000 χ^2/NDF:279612185117737861847502028 8.0/9

All: 1048.446+/-0.000 χ^2/NDF: 8607906502

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1048.961+/-0.000 χ^2/NDF: 48386442298137

Left In: 912.993+/-0.000 χ^2/NDF:895463428391774027692533 3504.0/7



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -453.355+/-0.000 χ^2/NDF: 50694143306682

Left Out: 76.011+/-0.000 χ^2/NDF:2947033777627973640257536000.0/9

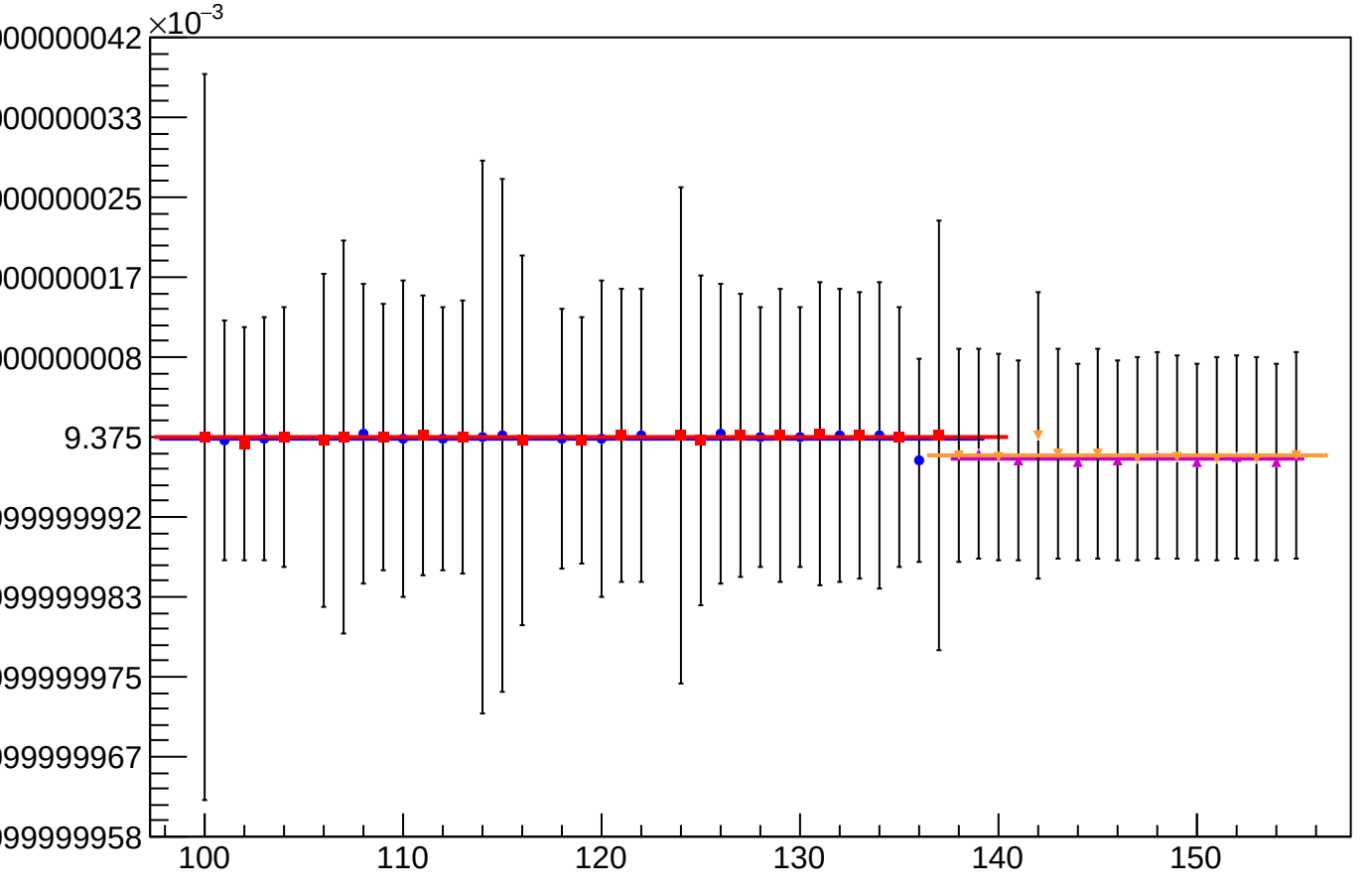
All: -468.589+/-0.000 χ^2/NDF: 9353275212

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -484.549+/-0.000 χ^2/NDF: 427644252623925

Left In: -1002.989+/-0.000 χ^2/NDF:1285748080015845251319070720.0/7

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:0.0/9

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

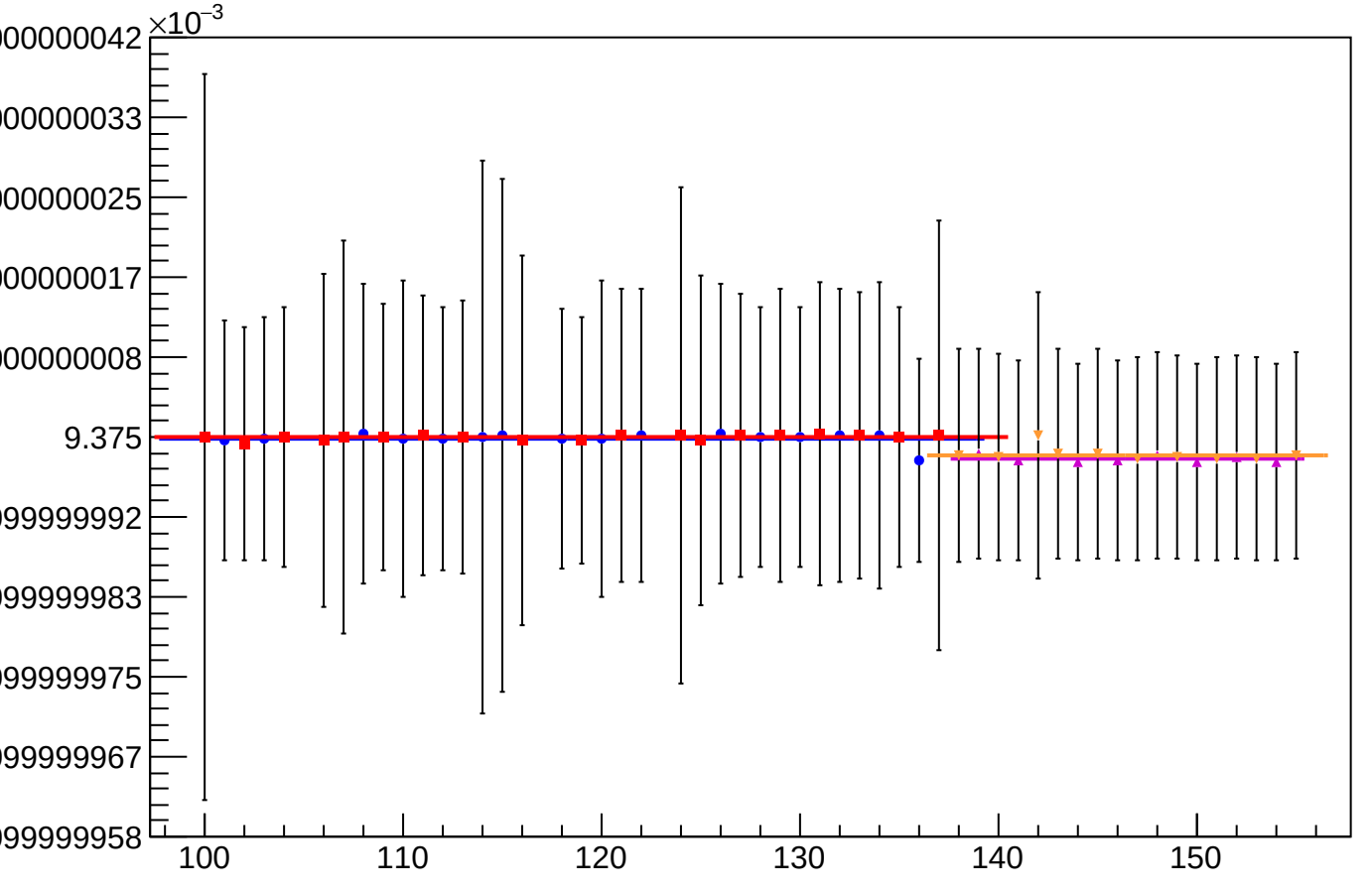
Left In: 0.009+/-0.000 χ^2/NDF:0.0/7

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/25

All: 0.009+/-0.000 χ^2/NDF: 0.4/52

- sign 0.009+/-0.000 χ^2/NDF: 0.2/26

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:0.0/9

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/7

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/25

All: 0.009+/-0.000 χ^2/NDF: 0.4/52

- sign 0.009+/-0.000 χ^2/NDF: 0.2/26