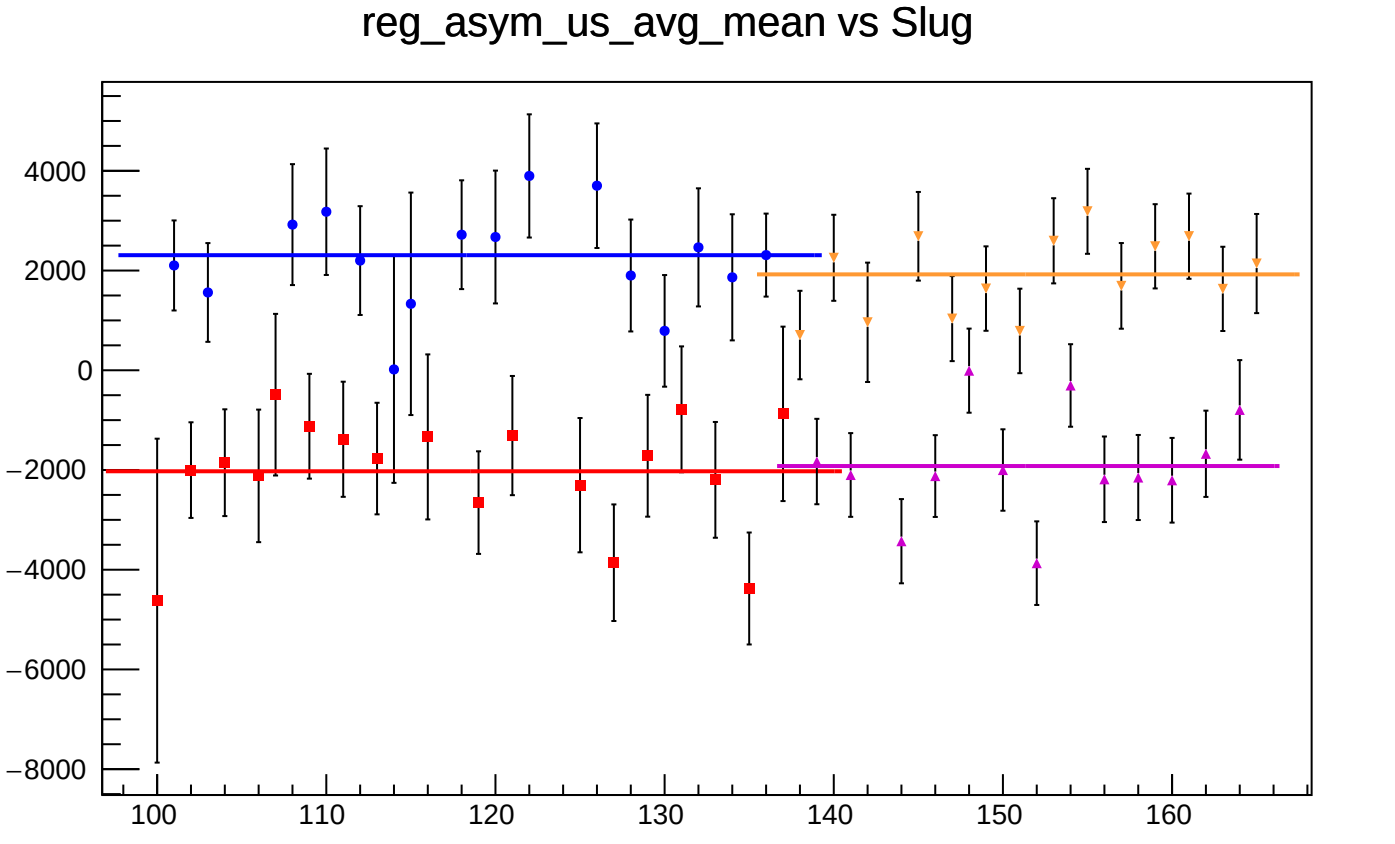


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1923.348+/-235.543 χ^2/NDF:10.7/13

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

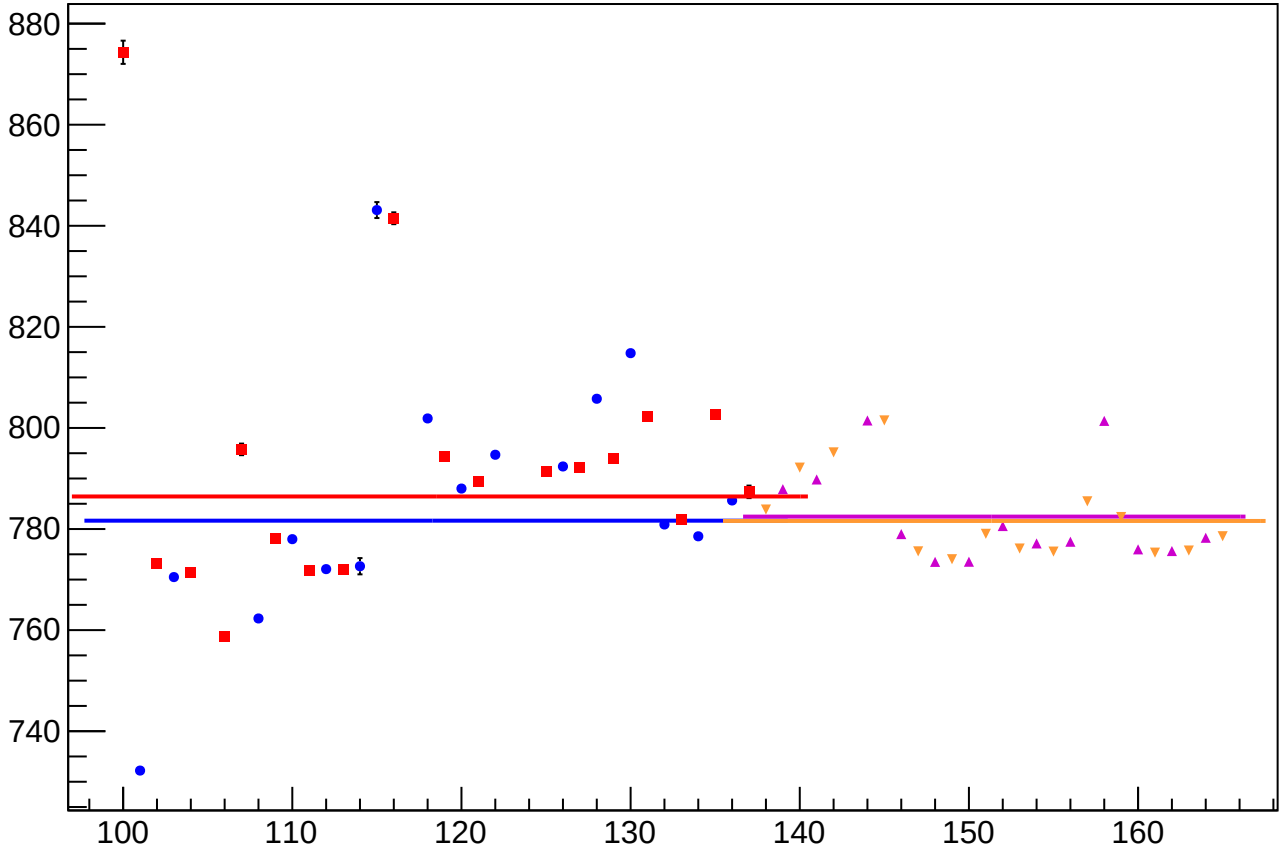
Left In: -1920.557+/-236.251 χ^2/NDF:19.3/12

+ sign 2076.027+/-182.941 χ^2/NDF: 19.6/29

All: 58.654+/-129.420 χ^2/NDF: 294.3/60

- sign -1962.506+/-183.113 χ^2/NDF: 31.3/30

reg_asym_us_avg_rms vs Slug



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

Left Out: 781.597+/-0.167 χ^2/NDF:2295.0/13

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

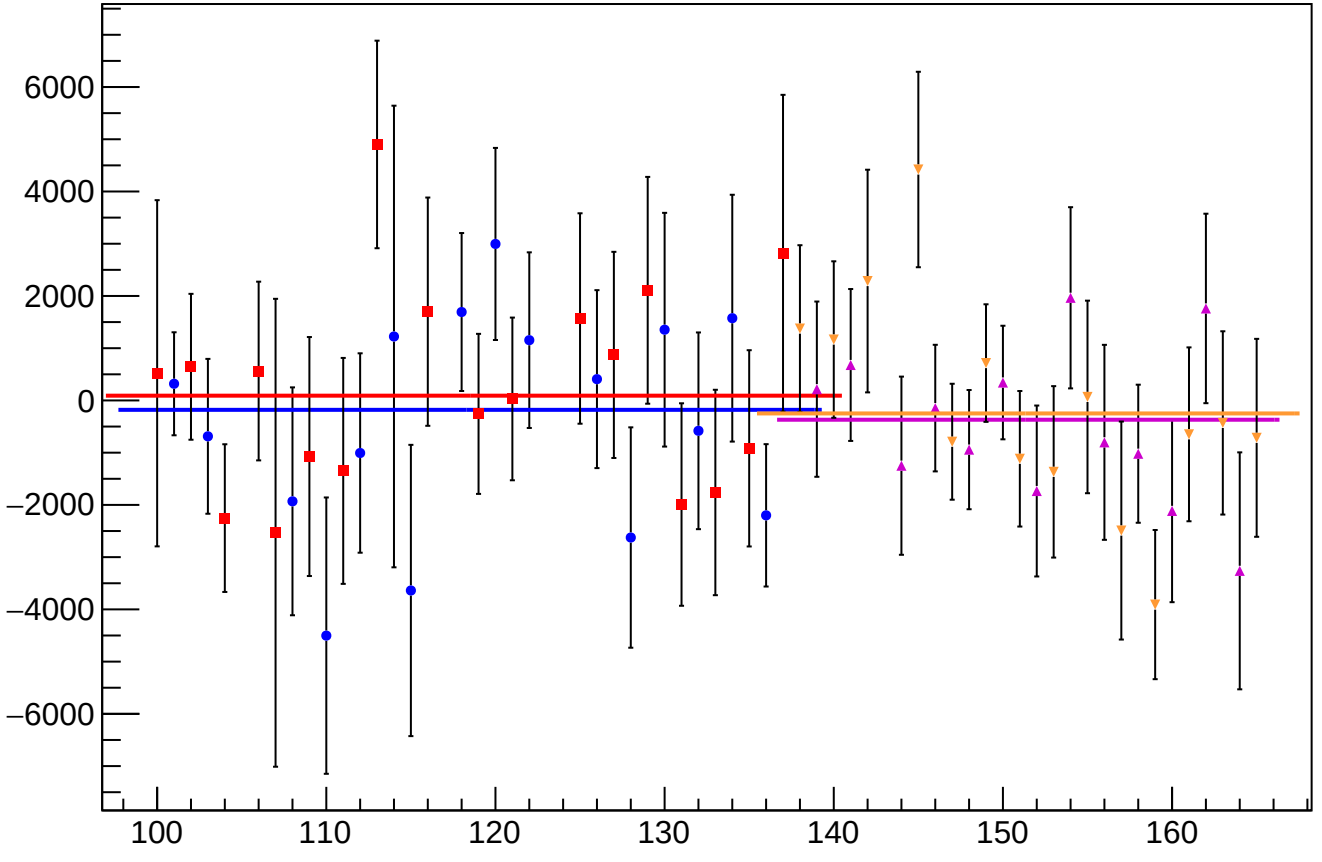
Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

+ sign 781.620+/-0.129 χ^2/NDF: 14614.1/29

All: 782.834+/-0.092 χ^2/NDF: 25387.4/60

- sign 784.050+/-0.129 χ^2/NDF: 10597.0/30

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -248.932+/-412.046 χ^2/NDF:19.3/13

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

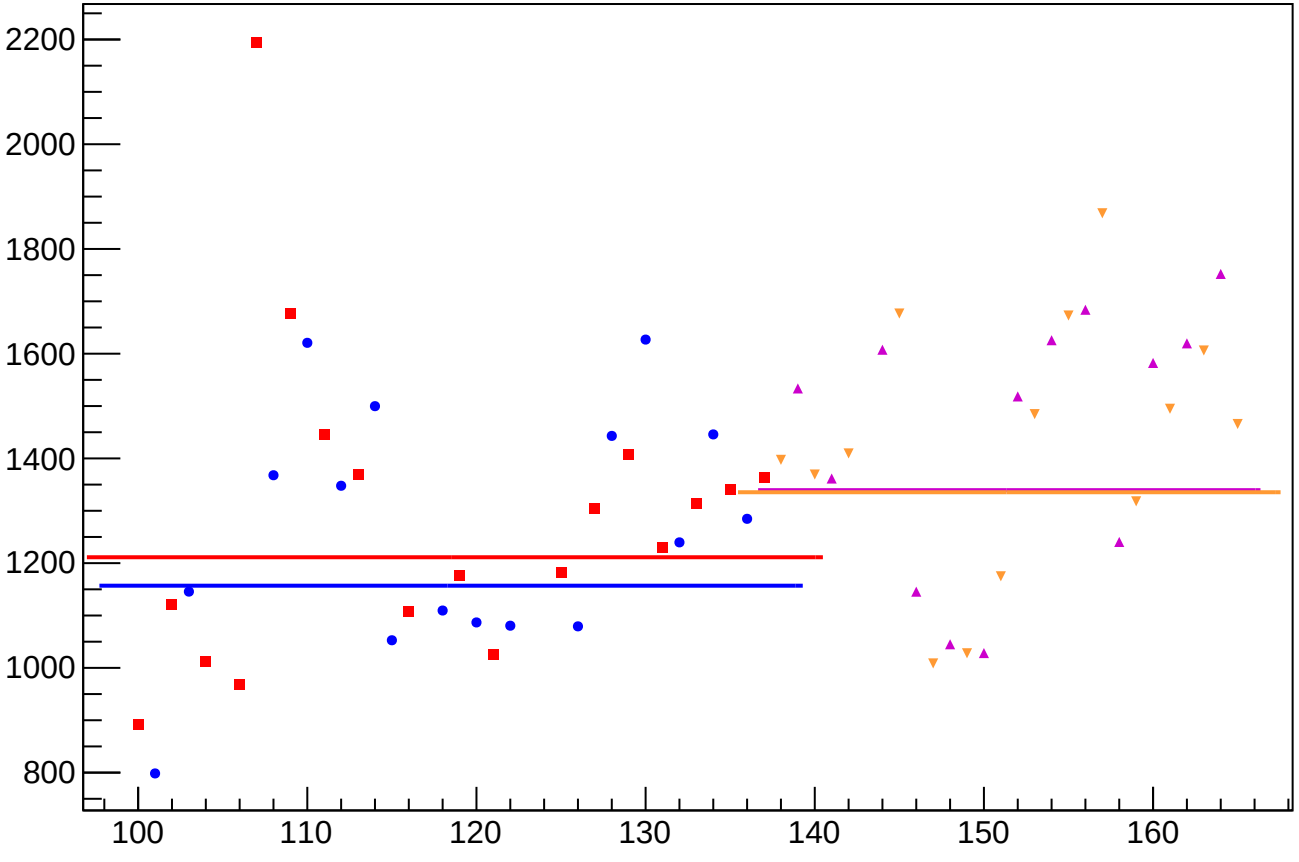
Left In: -369.501+/-413.153 χ^2/NDF:8.4/12

+ sign -216.752+/-301.004 χ^2/NDF: 34.7/29

All: -189.402+/-214.522 χ^2/NDF: 58.9/60

- sign -161.171+/-305.812 χ^2/NDF: 24.2/30

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1335.408+/-0.291 χ^2/NDF:716164.6/13

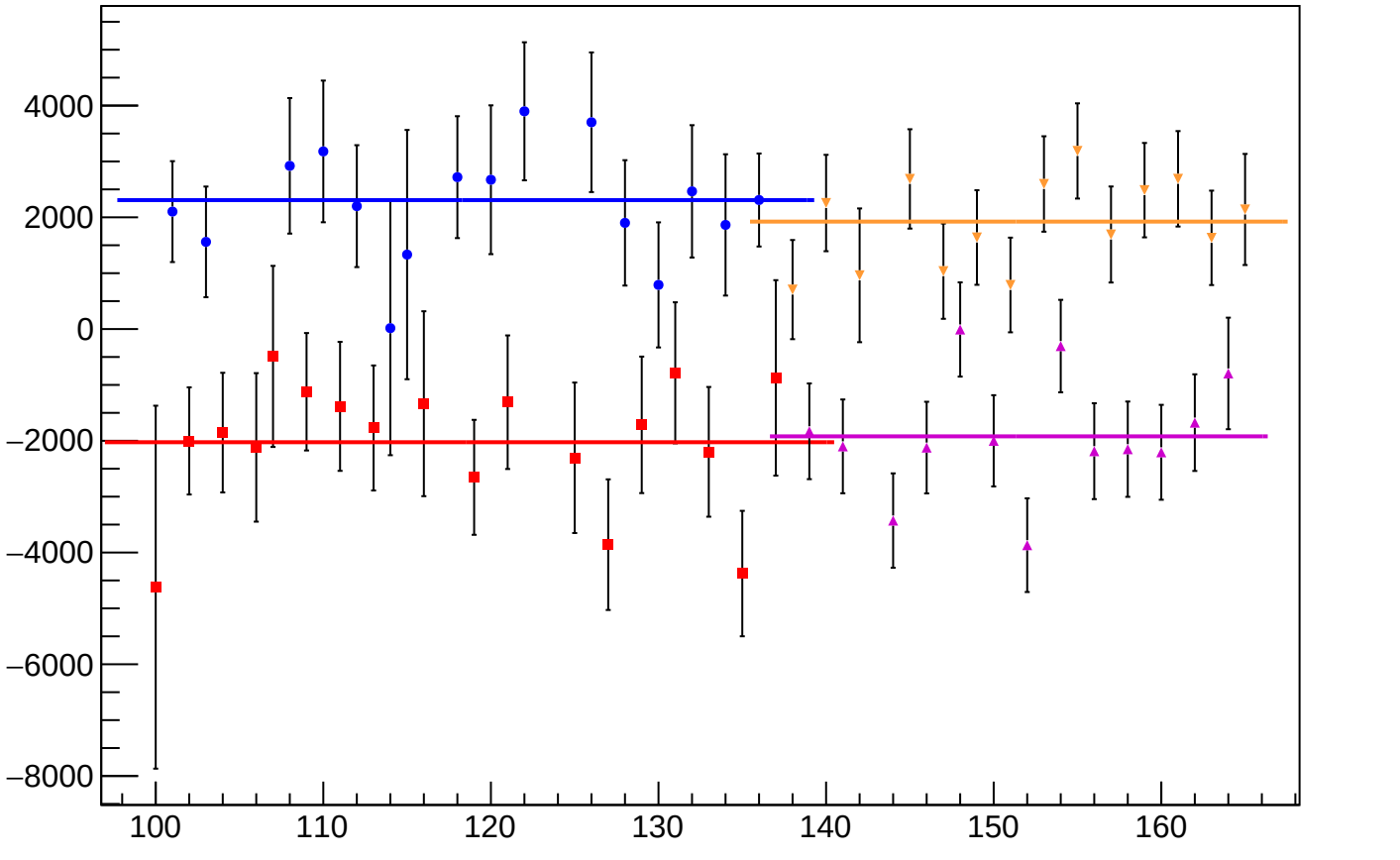
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

+ sign 1252.182+/-0.213 χ^2/NDF: 1460242.6/29

All: 1266.590+/-0.152 χ^2/NDF: 2689427.0/60

- sign 1281.461+/-0.216 χ^2/NDF: 1219872.5/30



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

Left Out: 1923.348+/-235.543 χ^2/NDF:10.7/13

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

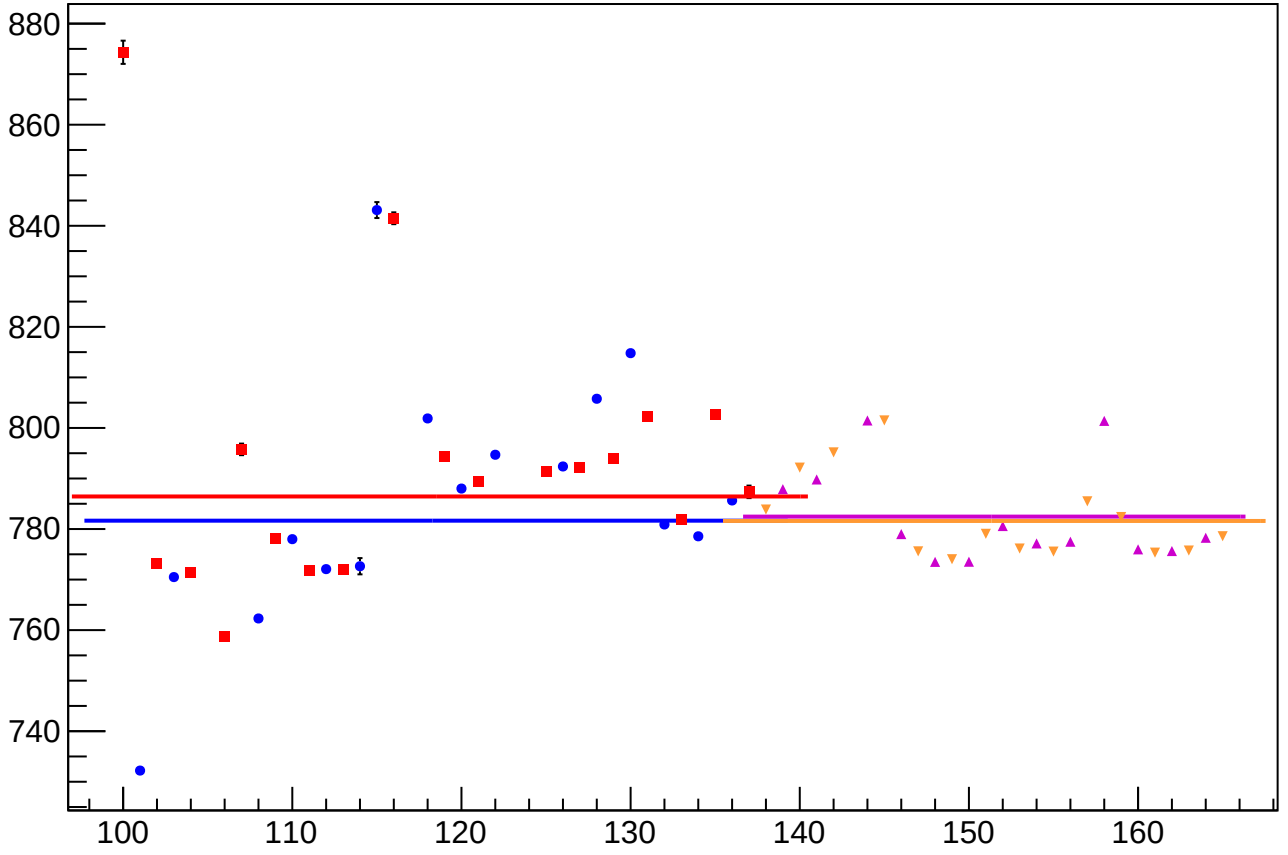
Left In: -1920.557+/-236.251 χ^2/NDF:19.3/12

+ sign 2076.027+/-182.941 χ^2/NDF: 19.6/29

All: 58.654+/-129.420 χ^2/NDF: 294.3/60

- sign -1962.506+/-183.113 χ^2/NDF: 31.3/30

cor_asym_us_avg_rms vs Slug



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

Left Out: 781.597+/-0.167 χ^2/NDF:2295.0/13

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

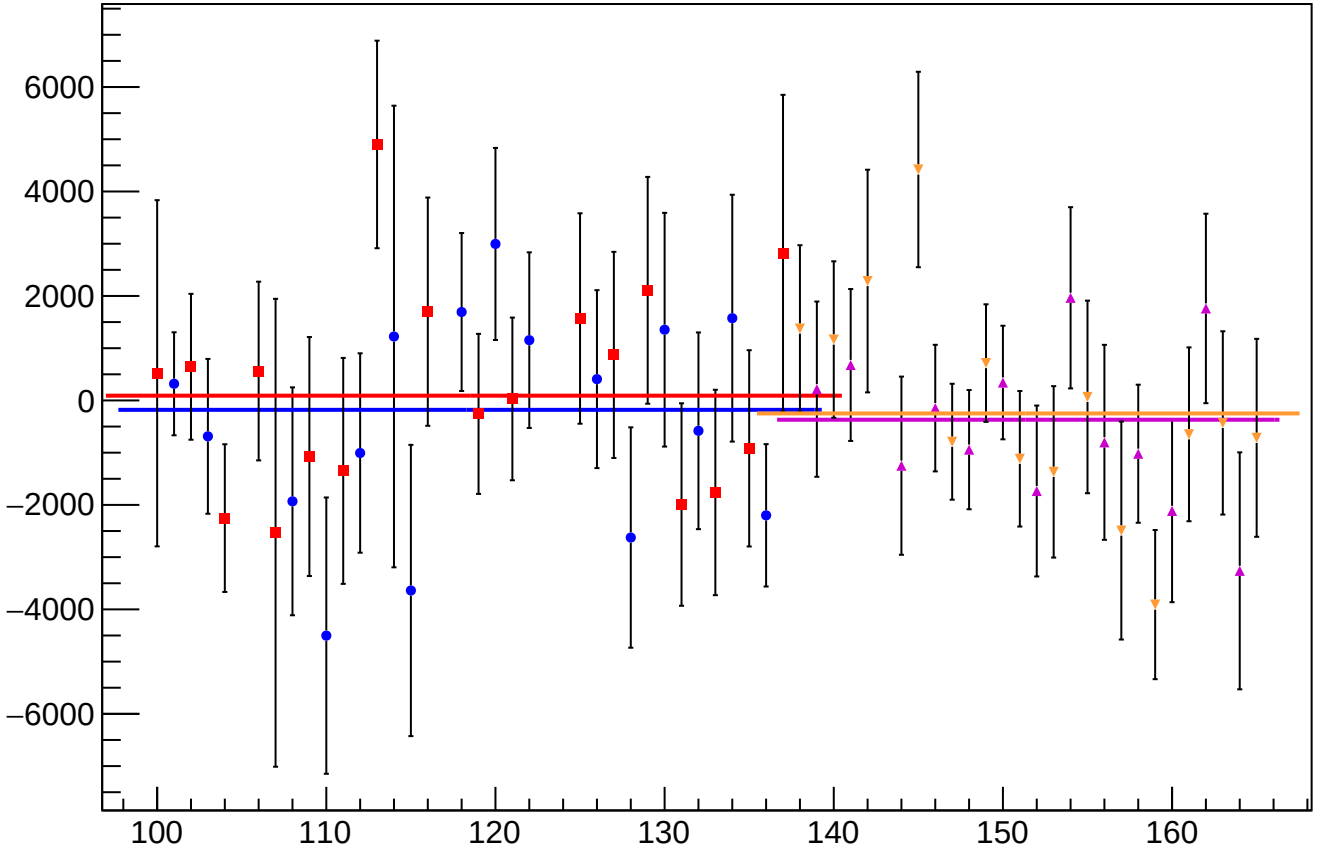
Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

+ sign 781.620+/-0.129 χ^2/NDF: 14614.1/29

All: 782.834+/-0.092 χ^2/NDF: 25387.4/60

- sign 784.050+/-0.129 χ^2/NDF: 10597.0/30

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: -248.932+/-412.046 χ^2/NDF:19.3/13

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

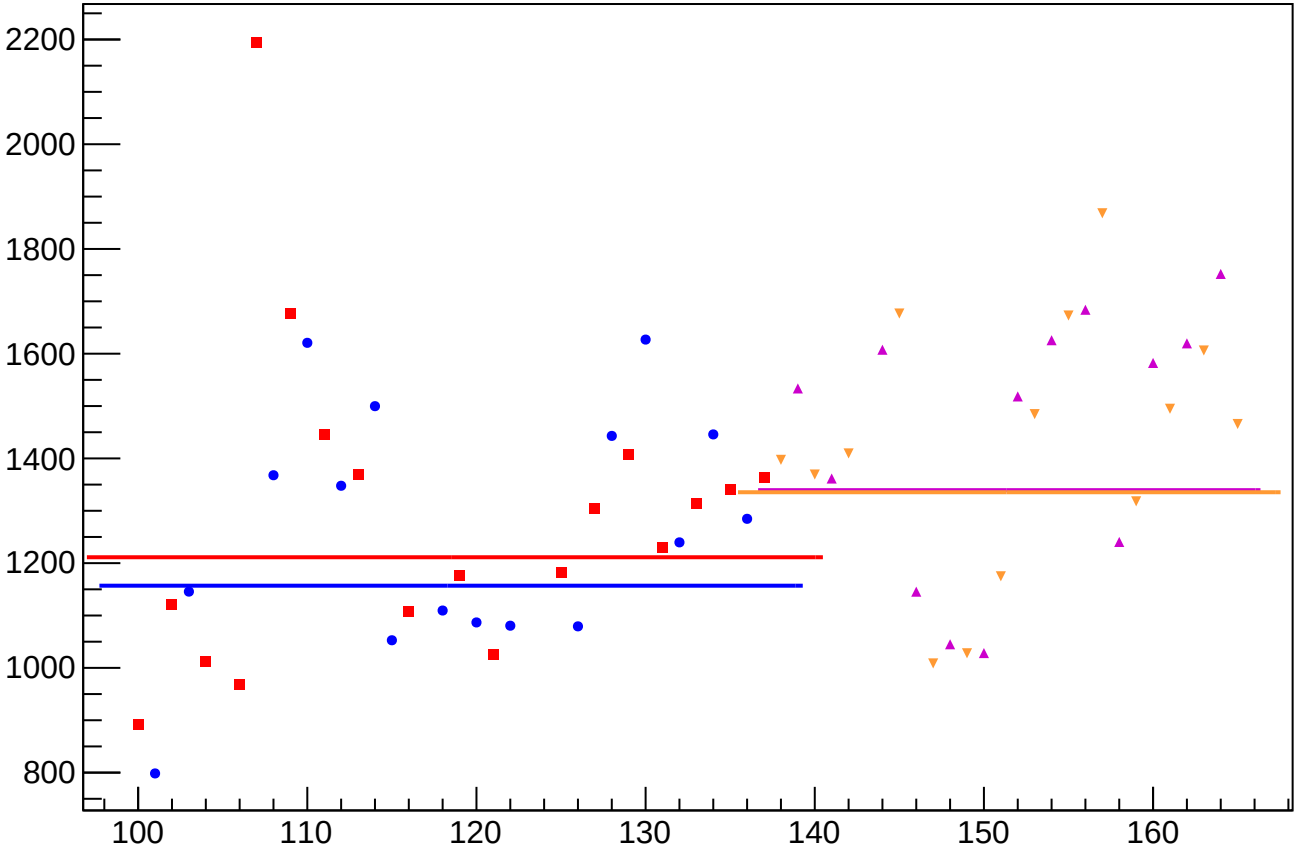
Left In: -369.501+/-413.153 χ^2/NDF:8.4/12

+ sign -216.752+/-301.004 χ^2/NDF: 34.7/29

All: -189.402+/-214.522 χ^2/NDF: 58.9/60

- sign -161.171+/-305.812 χ^2/NDF: 24.2/30

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1335.408+/-0.291 χ^2/NDF:716164.6/13

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

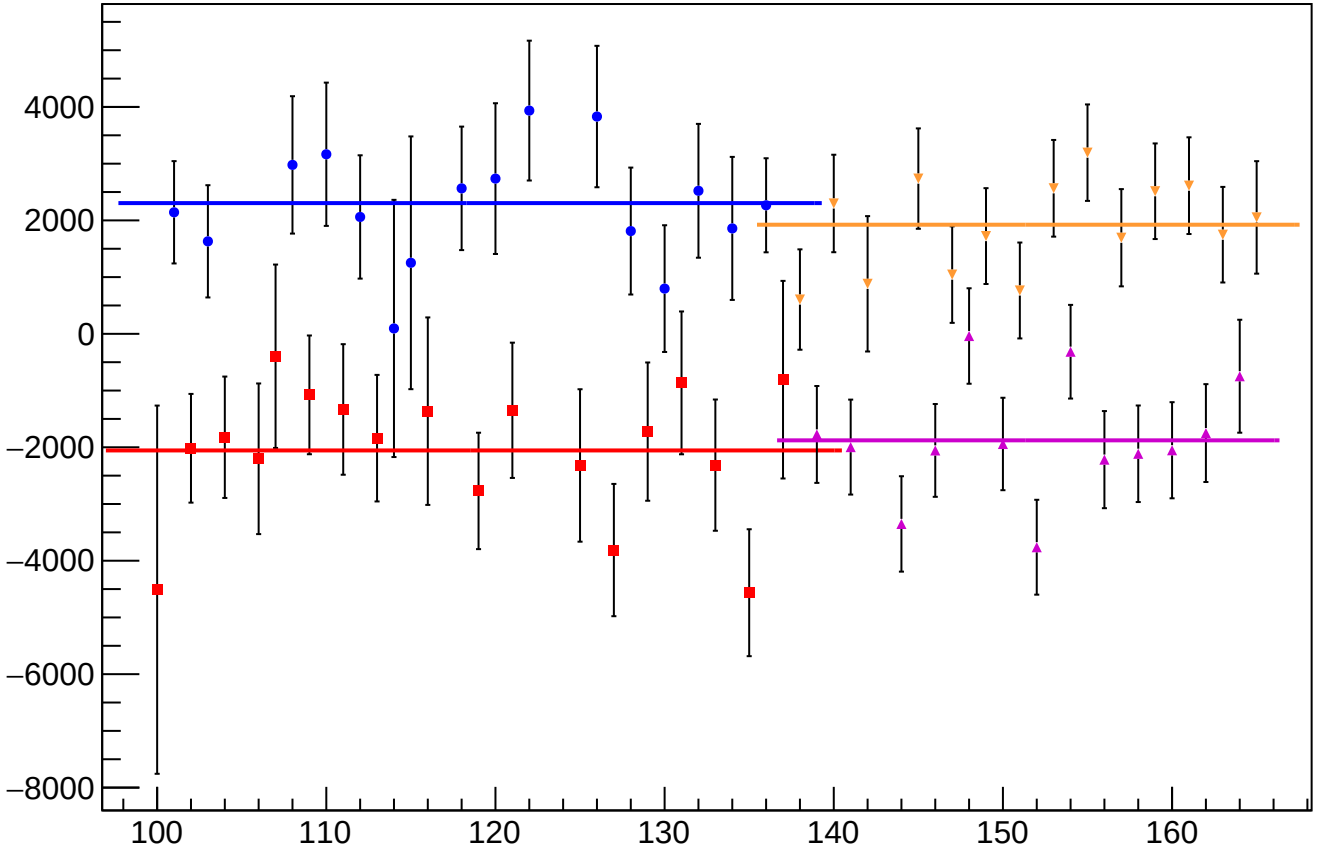
Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

+ sign 1252.182+/-0.213 χ^2/NDF: 1460242.6/29

All: 1266.590+/-0.152 χ^2/NDF: 2689427.0/60

- sign 1281.461+/-0.216 χ^2/NDF: 1219872.5/30

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1923.812+/-234.908 χ^2/NDF:11.1/13

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

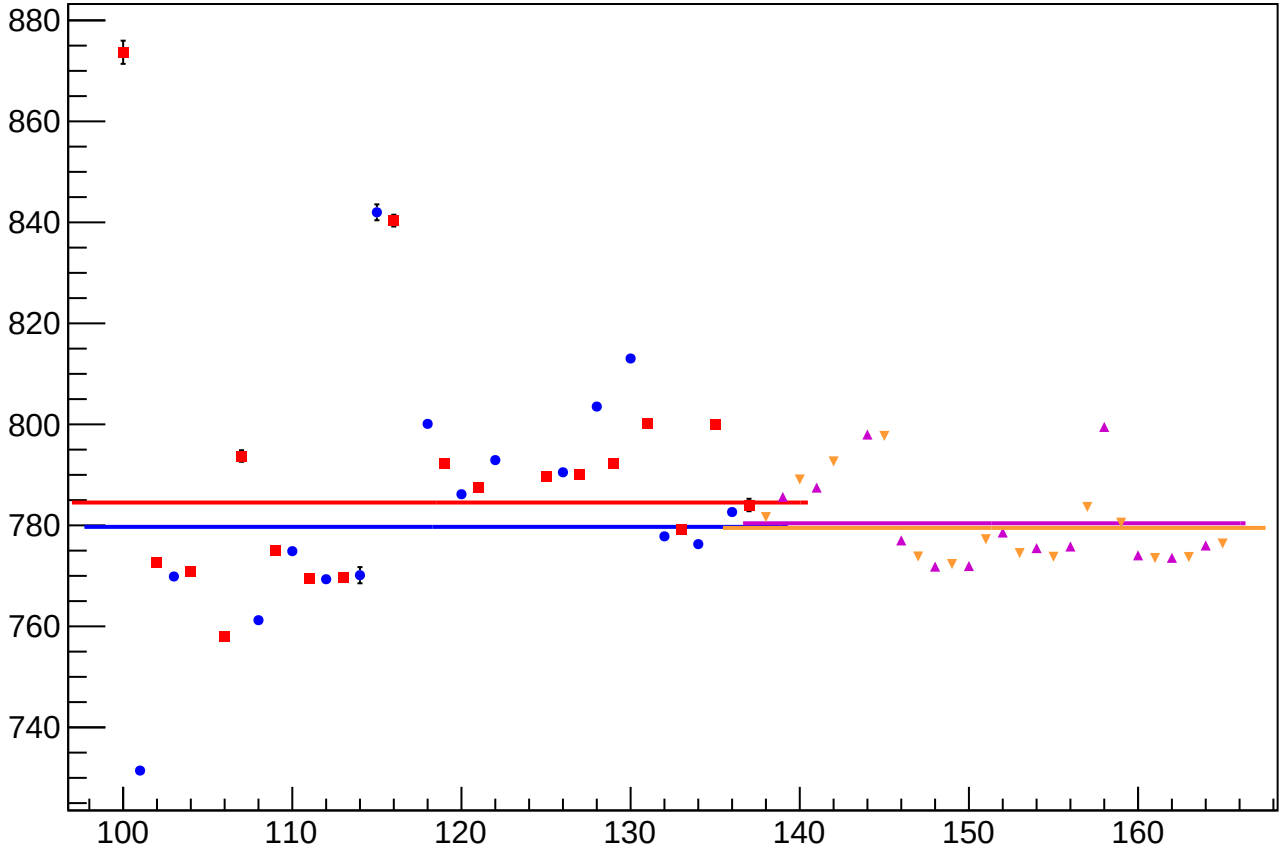
Left In: -1877.730+/-235.632 χ^2/NDF:18.2/12

+ sign 2074.961+/-182.462 χ^2/NDF: 20.2/29

All: 65.132+/-129.085 χ^2/NDF: 294.4/60

- sign -1948.757+/-182.646 χ^2/NDF: 31.3/30

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 779.500+/-0.166 χ^2/NDF:2017.4/13

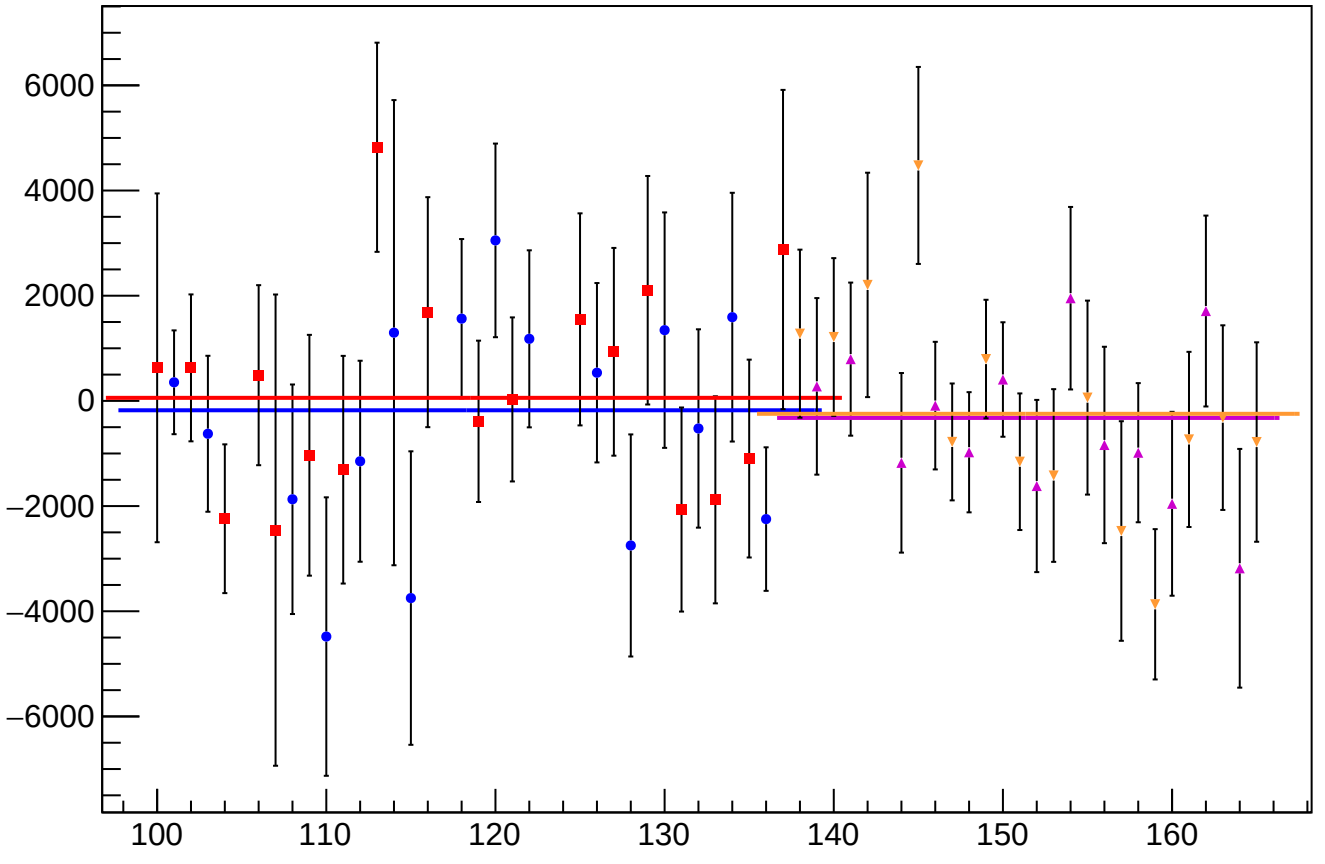
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 780.411+/-0.167 χ^2/NDF:2968.6/12

+ sign 779.580+/-0.129 χ^2/NDF: 14078.3/29

All: 780.815+/-0.091 χ^2/NDF: 24633.7/60

- sign 782.053+/-0.129 χ^2/NDF: 10372.0/30



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

Left Out: -245.603+/-412.445 χ^2/NDF:19.4/13

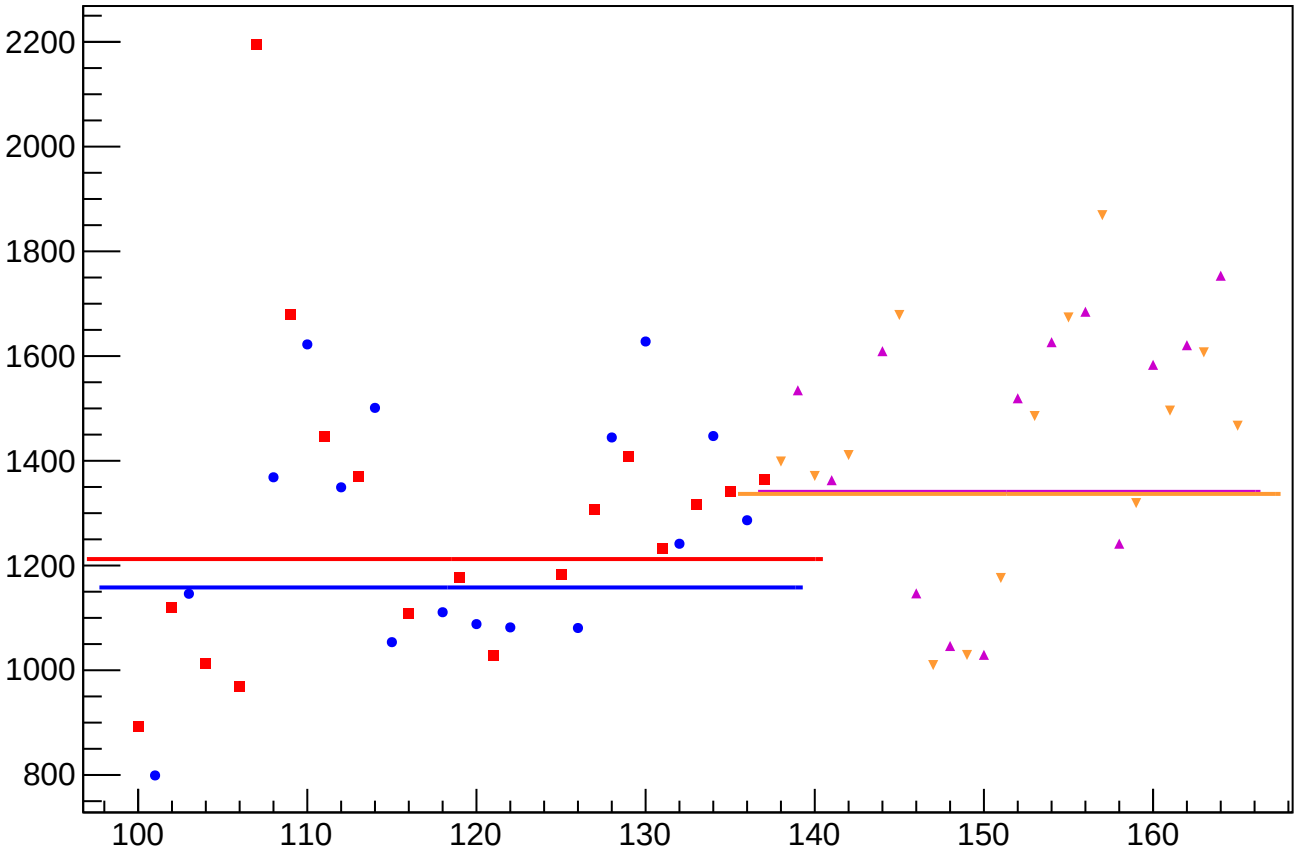
Right Out: 58.040+/-455.216 χ^2/NDF: 15.3/17

Left In: -323.953+/-413.533 χ^2/NDF:8.2/12

+ sign -214.290+/-301.301 χ^2/NDF: 35.1/29

All: -183.263+/-214.725 χ^2/NDF: 58.9/60

- sign -151.243+/-306.090 χ^2/NDF: 23.8/30



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

Left Out: 1336.779+/-0.292 χ^2/NDF:714288.8/13

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

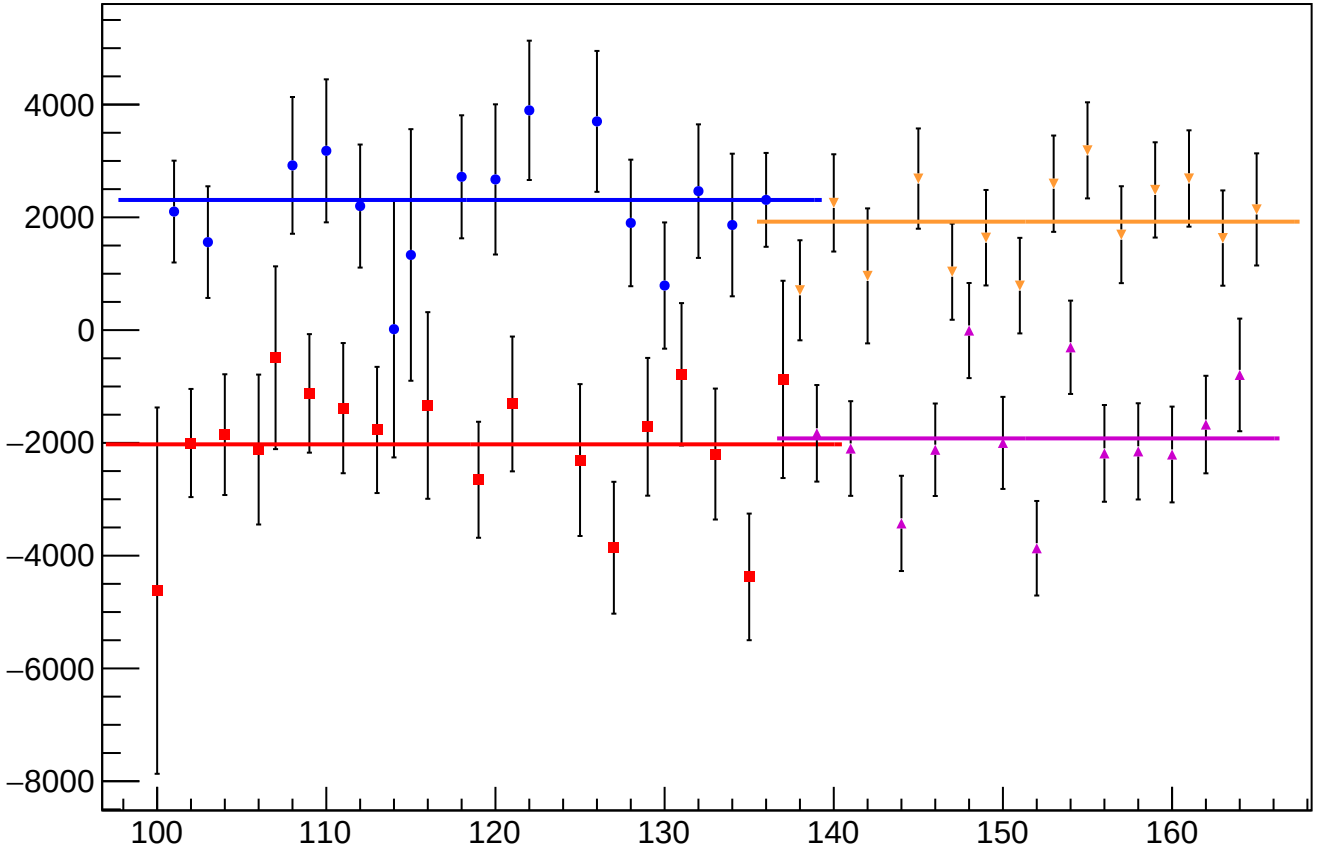
Left In: 1340.686+/-0.292 χ^2/NDF:733479.5/12

+ sign 1253.471+/-0.213 χ^2/NDF: 1458410.6/29

All: 1267.835+/-0.152 χ^2/NDF: 2686160.3/60

- sign 1282.660+/-0.216 χ^2/NDF: 1218512.6/30

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1923.348+/-235.543 χ^2/NDF:10.7/13

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

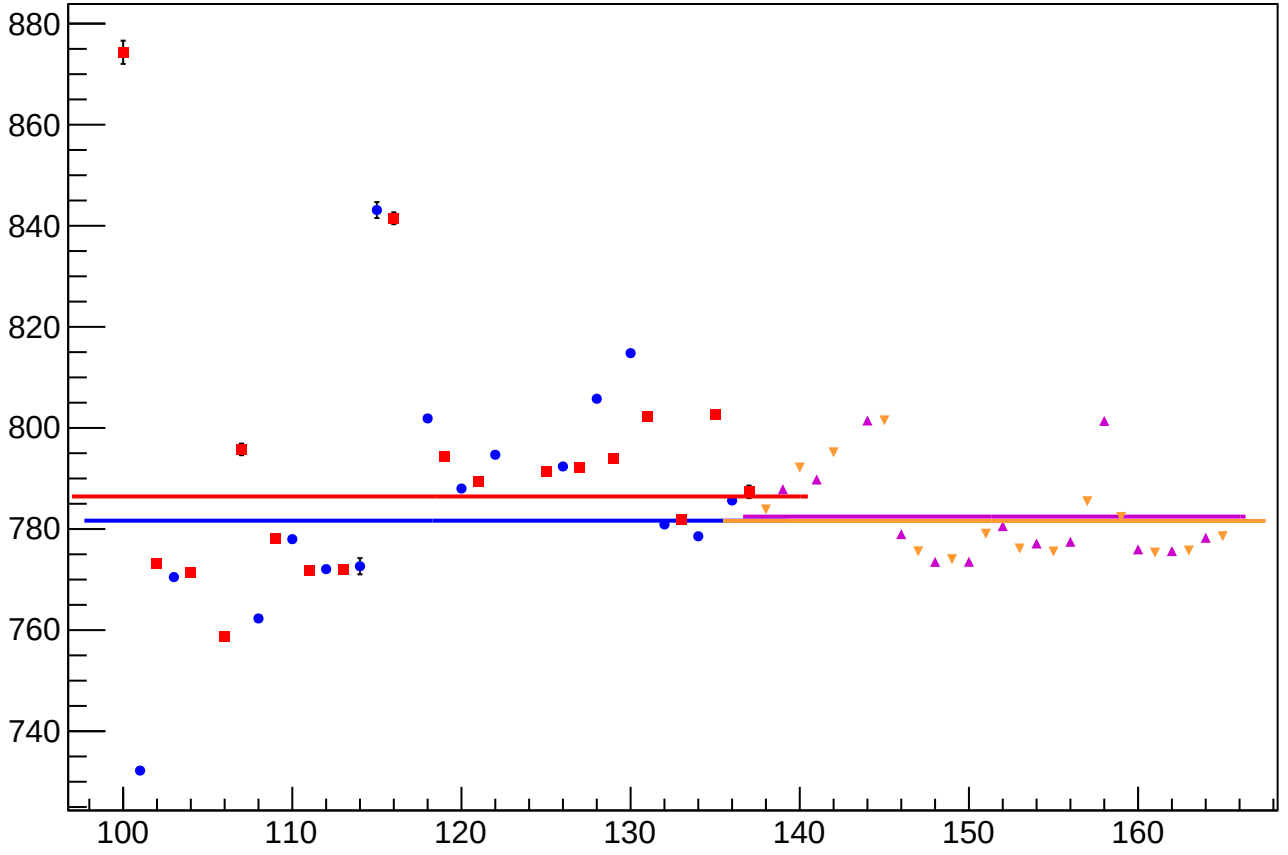
Left In: -1920.557+/-236.251 χ^2/NDF:19.3/12

+ sign 2076.027+/-182.941 χ^2/NDF: 19.6/29

All: 58.654+/-129.420 χ^2/NDF: 294.3/60

- sign -1962.506+/-183.113 χ^2/NDF: 31.3/30

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 781.597+/-0.167 χ^2/NDF:2295.0/13

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

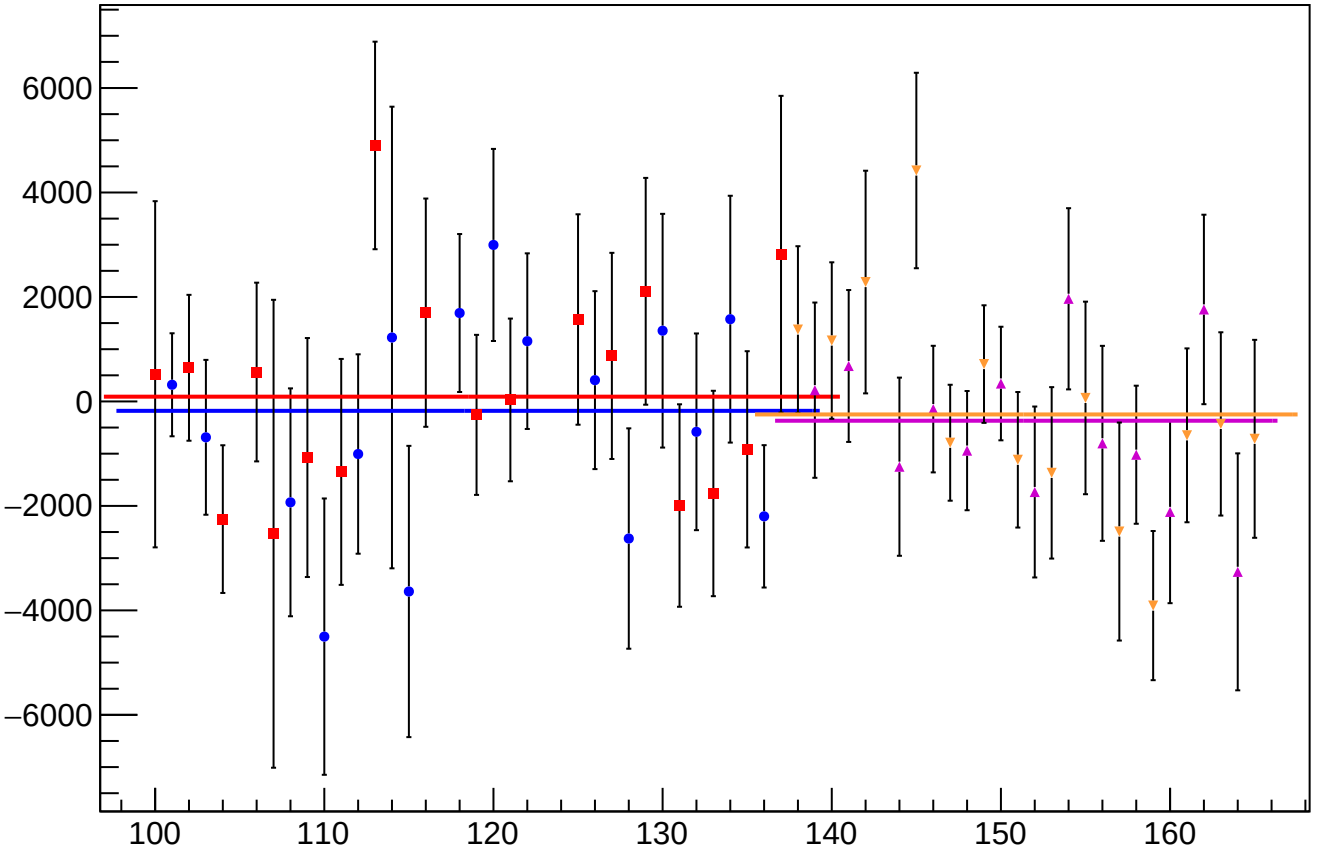
Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

+ sign 781.620+/-0.129 χ^2/NDF: 14614.1/29

All: 782.834+/-0.092 χ^2/NDF: 25387.4/60

- sign 784.050+/-0.129 χ^2/NDF: 10597.0/30

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: -248.932+/-412.046 χ^2/NDF:19.3/13

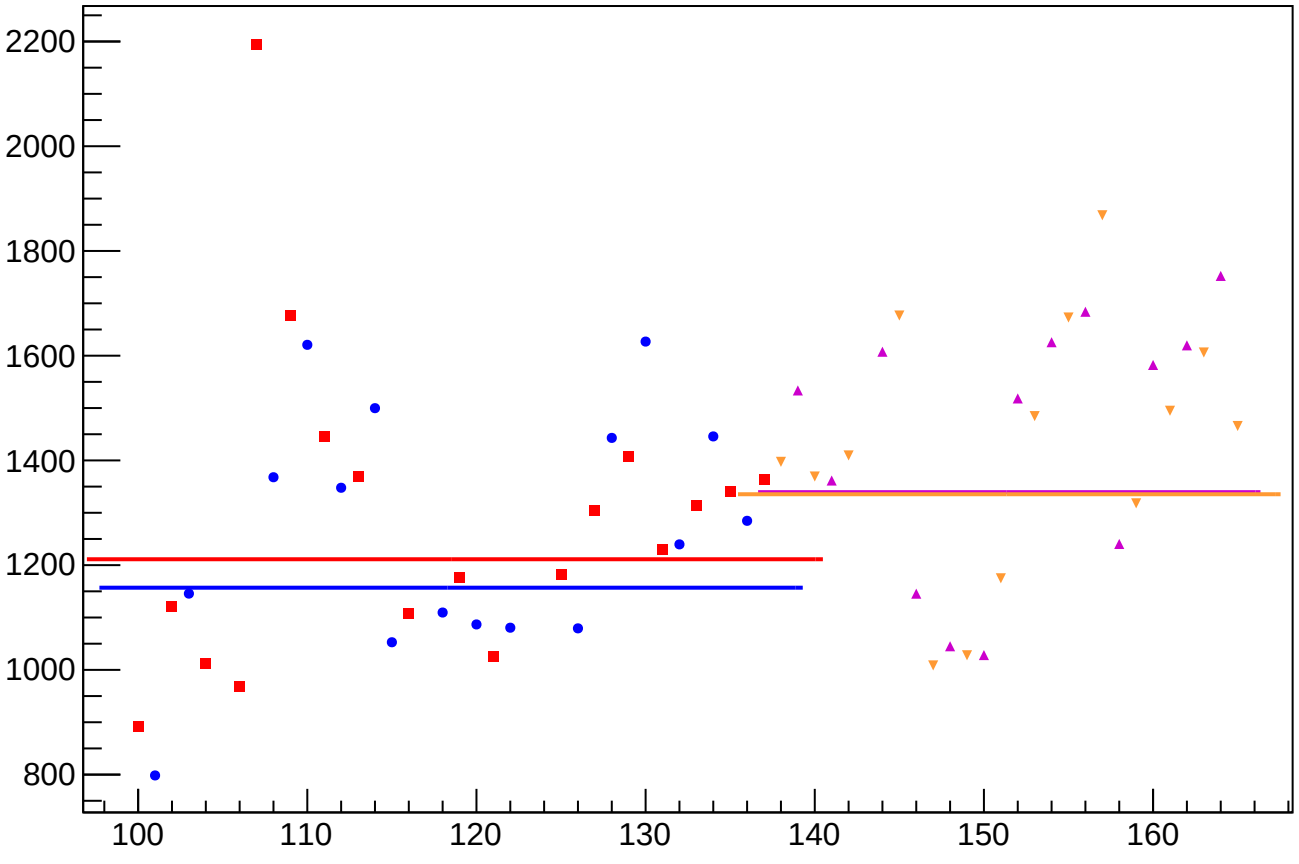
Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: -369.501+/-413.153 χ^2/NDF:8.4/12

+ sign -216.752+/-301.004 χ^2/NDF: 34.7/29

All: -189.402+/-214.522 χ^2/NDF: 58.9/60

- sign -161.171+/-305.812 χ^2/NDF: 24.2/30



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

Left Out: 1335.408+/-0.291 χ^2/NDF:716164.6/13

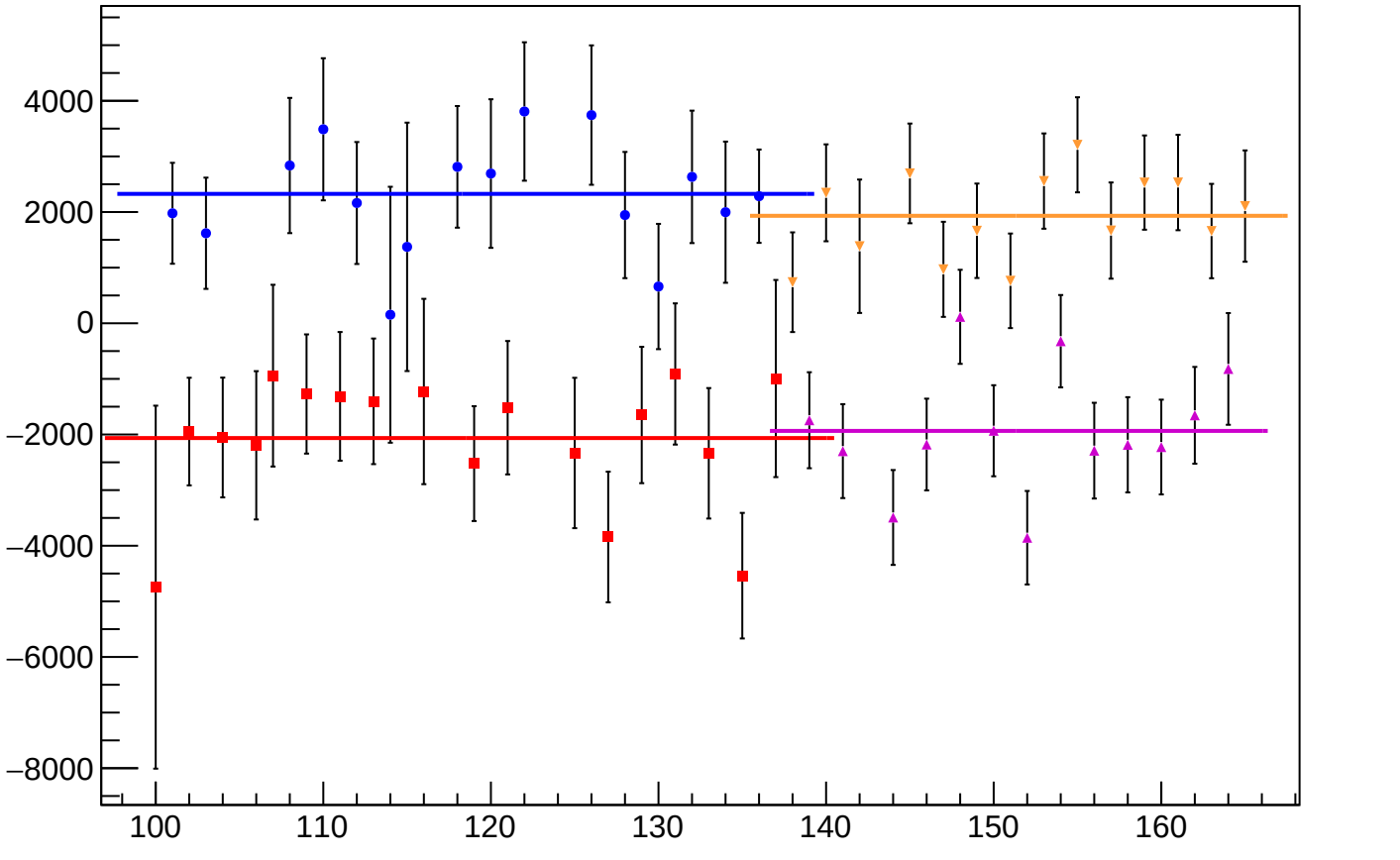
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

+ sign 1252.182+/-0.213 χ^2/NDF: 1460242.6/29

All: 1266.590+/-0.152 χ^2/NDF: 2689427.0/60

- sign 1281.461+/-0.216 χ^2/NDF: 1219872.5/30



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

Left Out: 1932.133+/-236.700 χ^2/NDF:10.2/13

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

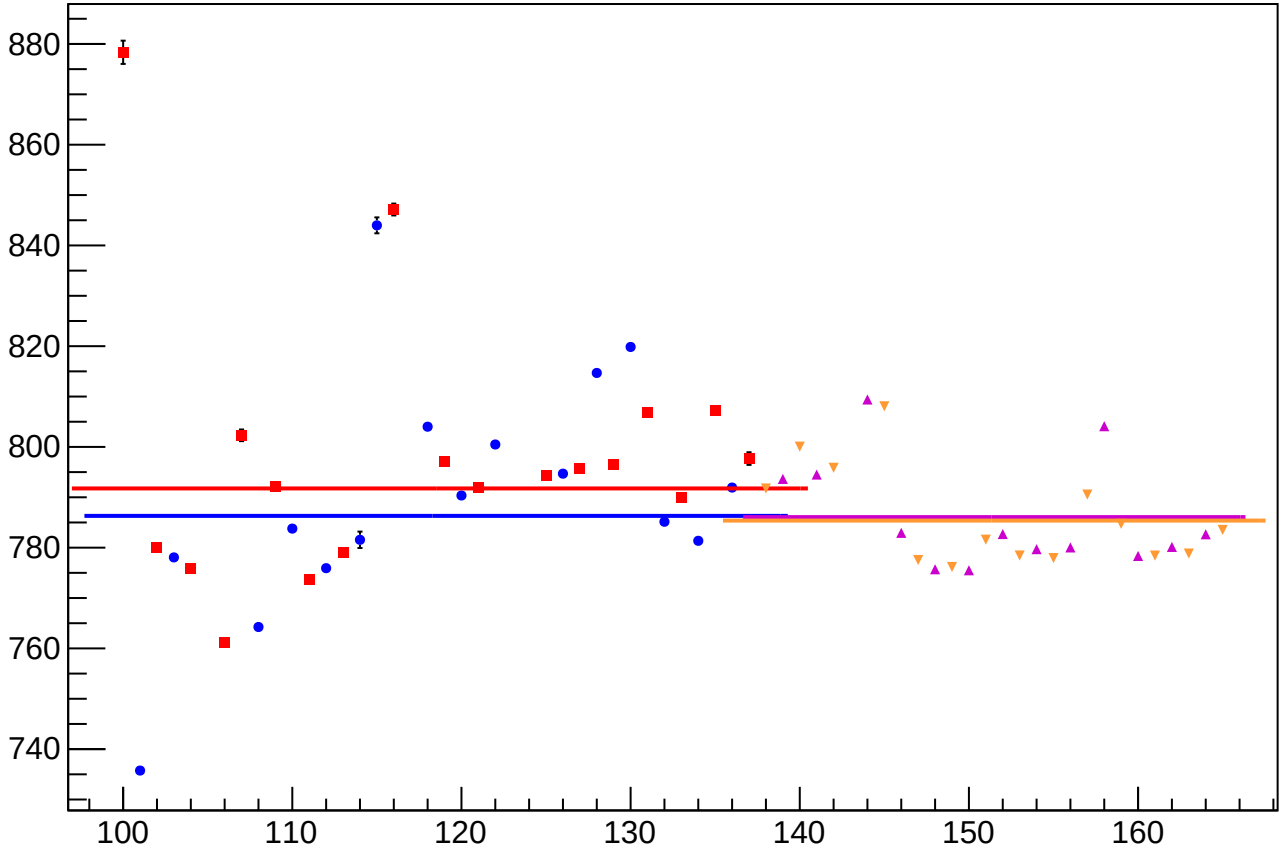
Left In: -1935.390+/-237.353 χ^2/NDF:20.2/12

+ sign 2088.373+/-183.919 χ^2/NDF: 19.4/29

All: 53.206+/-130.125 χ^2/NDF: 296.6/60

- sign -1986.593+/-184.129 χ^2/NDF: 32.0/30

dit_asym_us_avg_rms vs Slug



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

Left Out: 785.377+/-0.167 χ^2/NDF:3157.6/13

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

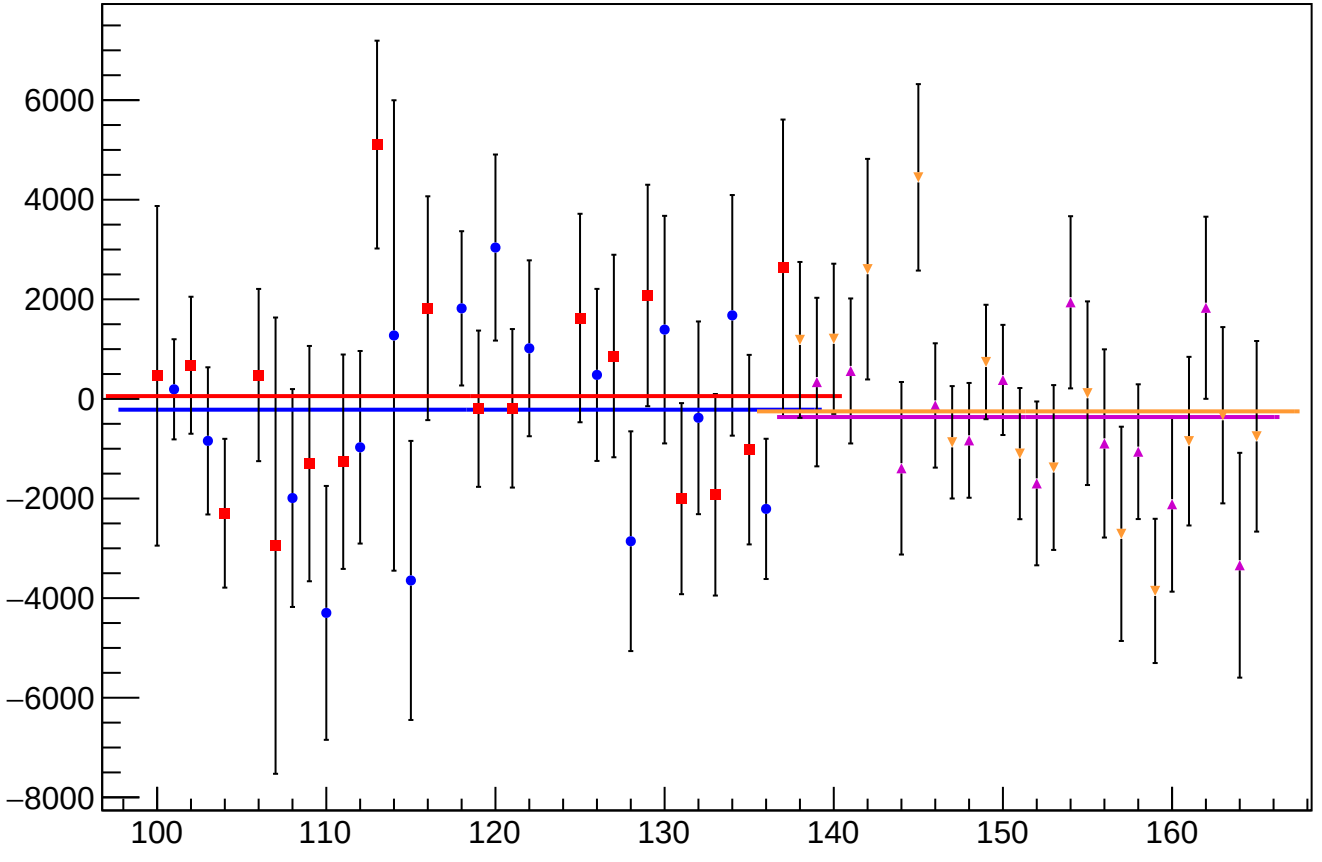
Left In: 786.066+/-0.168 χ^2/NDF:3929.6/12

+ sign 785.746+/-0.130 χ^2/NDF: 15741.0/29

All: 787.038+/-0.092 χ^2/NDF: 27340.8/60

- sign 788.332+/-0.130 χ^2/NDF: 11402.4/30

asym_us_avg_dit_correction_mean vs Slug



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

Left Out: -249.751+/-417.023 χ^2/NDF:19.4/13

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

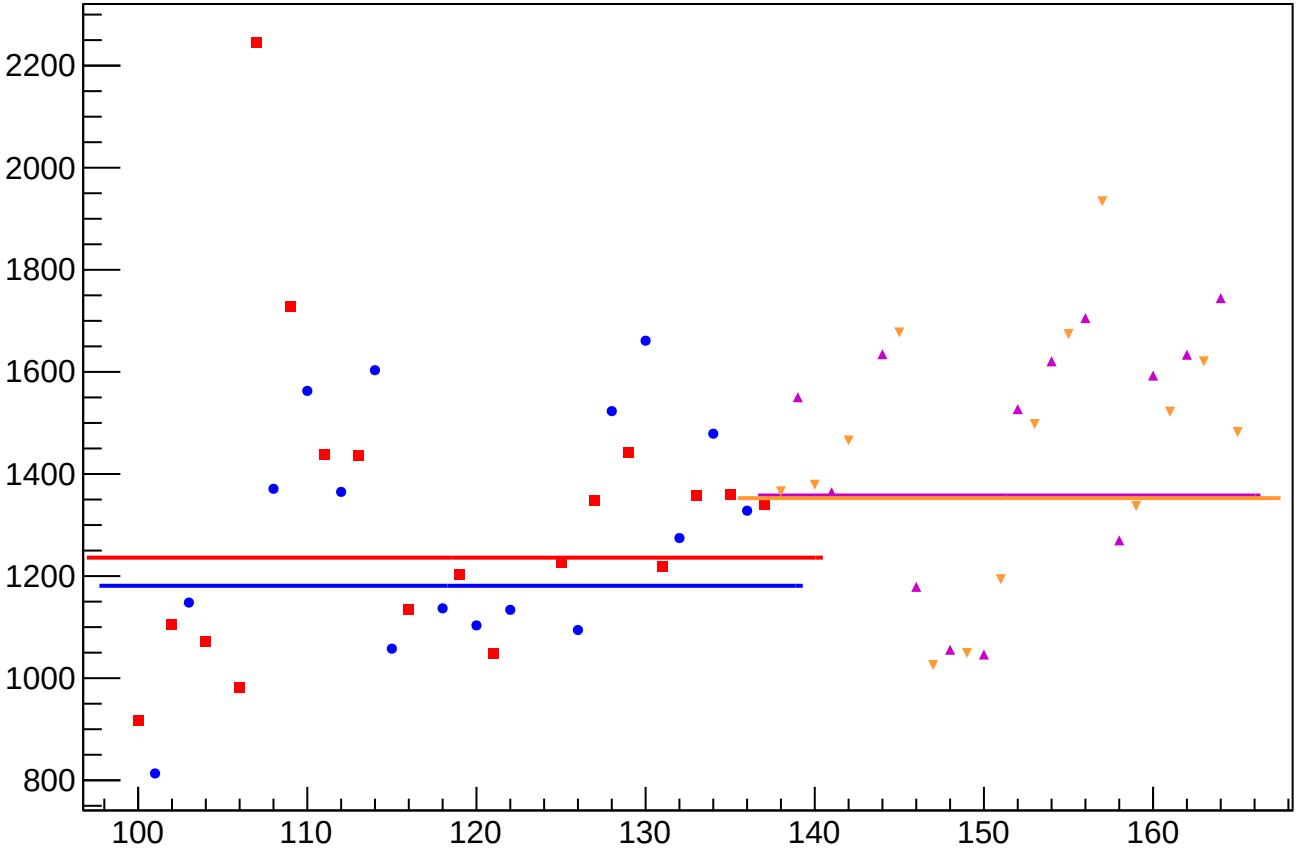
Left In: -363.760+/-418.257 χ^2/NDF:8.5/12

+ sign -234.225+/-305.729 χ^2/NDF: 34.7/29

All: -205.197+/-217.906 χ^2/NDF: 58.8/60

- sign -175.224+/-310.663 χ^2/NDF: 24.1/30

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1352.705+/-0.295 χ^2/NDF:700110.9/13

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

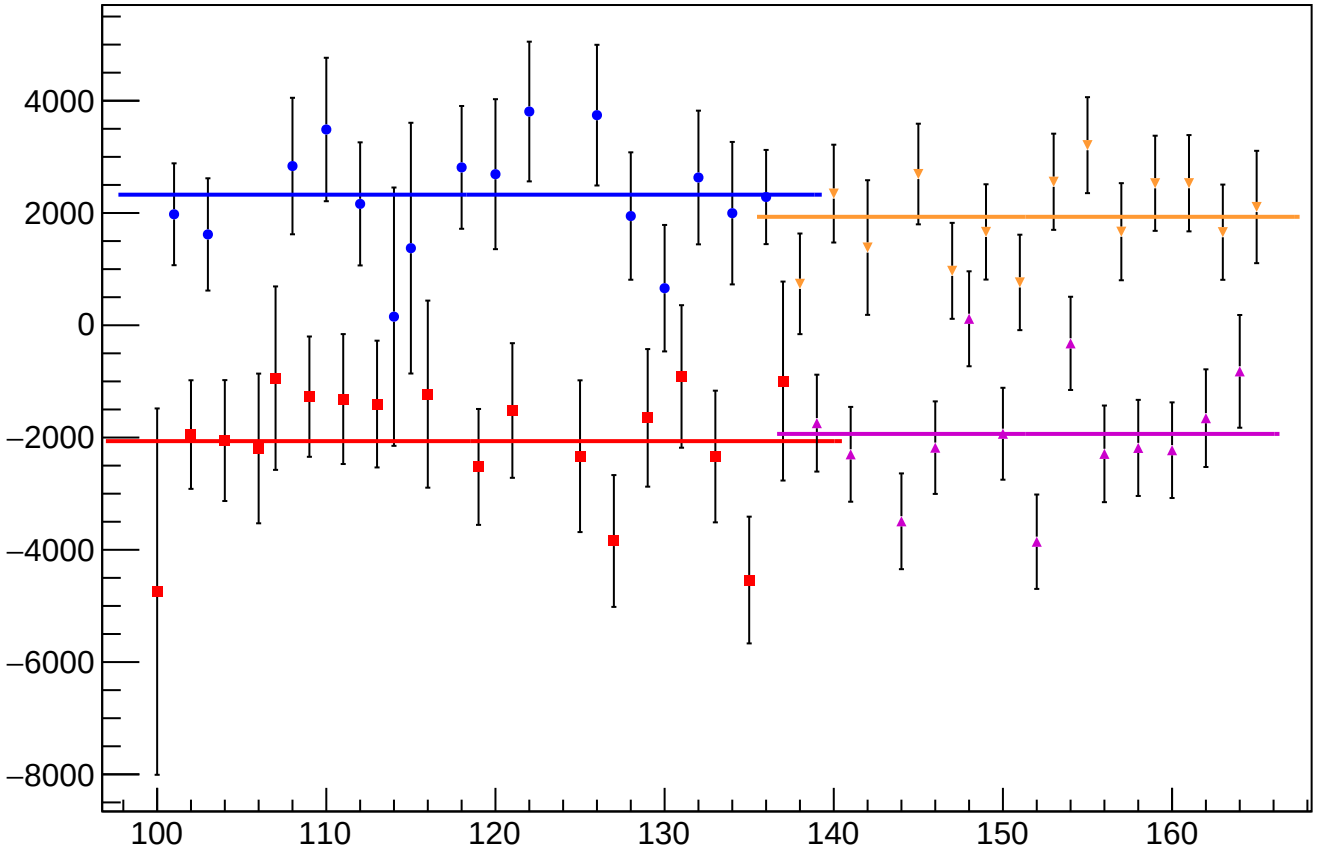
Left In: 1357.903+/-0.296 χ^2/NDF:697735.6/12

+ sign 1273.285+/-0.216 χ^2/NDF: 1428048.3/29

All: 1288.058+/-0.154 χ^2/NDF: 2608515.1/60

- sign 1303.312+/-0.220 χ^2/NDF: 1170974.9/30

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1932.130+/-236.700 χ^2/NDF:10.2/13

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

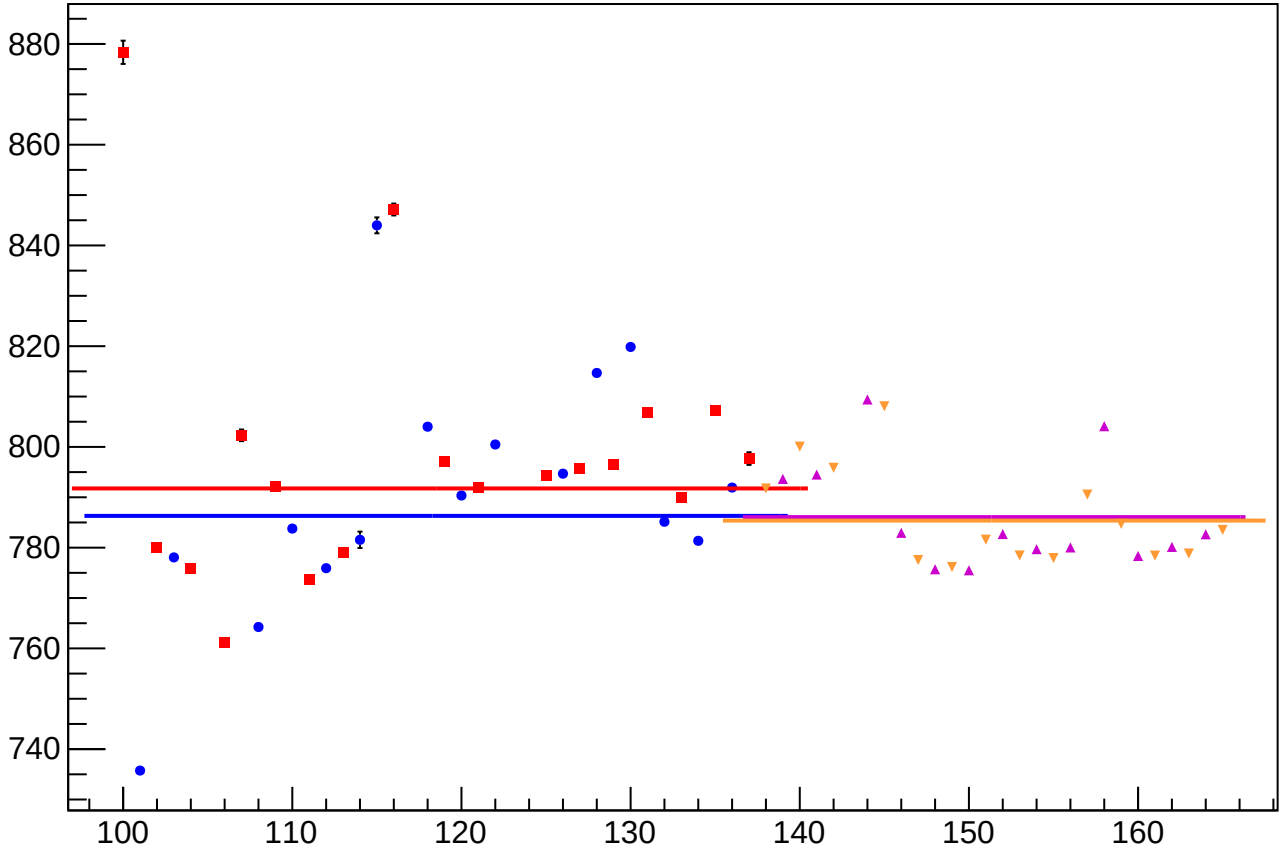
Left In: -1935.391+/-237.353 χ^2/NDF:20.2/12

+ sign 2088.370+/-183.919 χ^2/NDF: 19.4/29

All: 53.205+/-130.125 χ^2/NDF: 296.6/60

- sign -1986.593+/-184.129 χ^2/NDF: 32.0/30

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 785.377+/-0.167 χ^2/NDF:3157.6/13

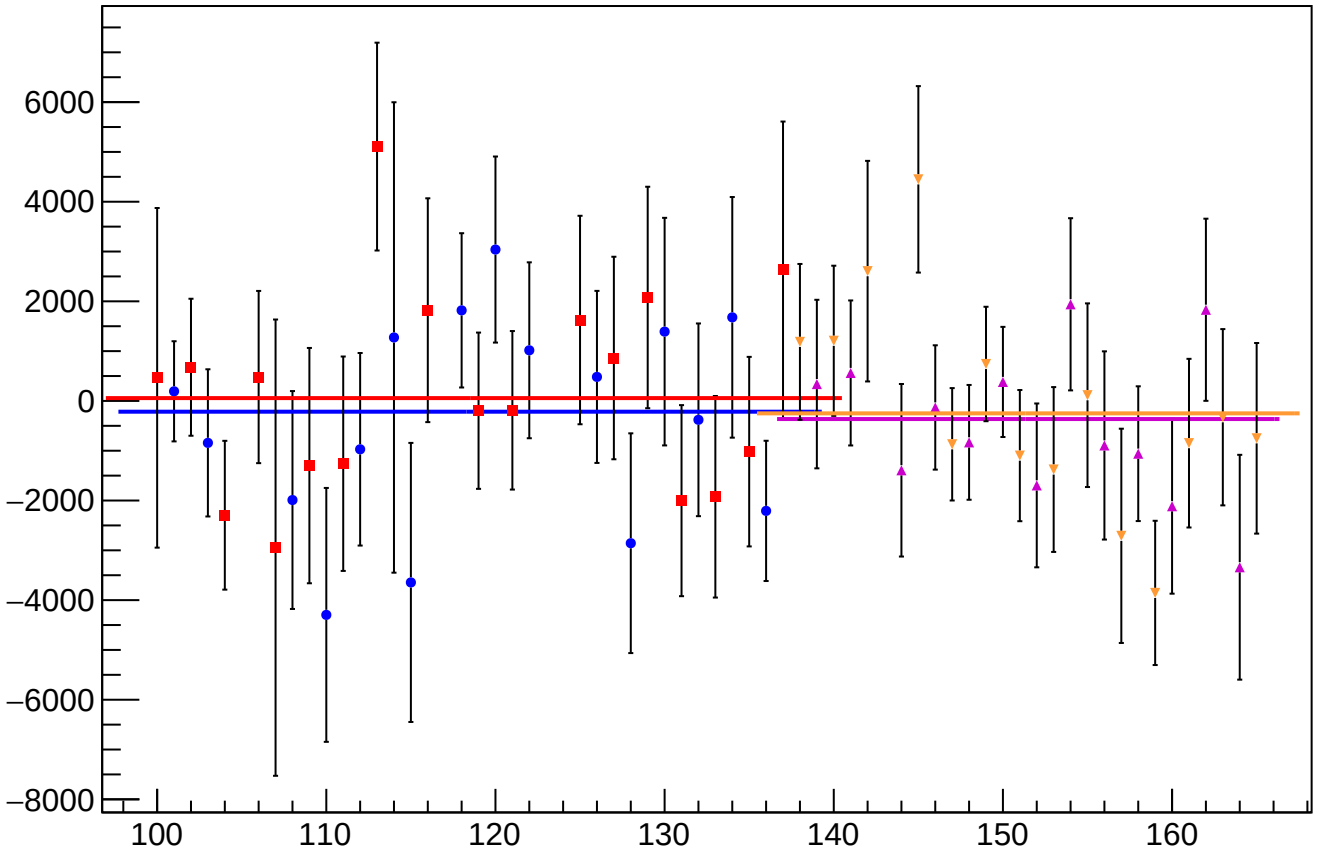
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 786.066+/-0.168 χ^2/NDF:3929.6/12

+ sign 785.746+/-0.130 χ^2/NDF: 15740.9/29

All: 787.038+/-0.092 χ^2/NDF: 27340.7/60

- sign 788.332+/-0.130 χ^2/NDF: 11402.4/30



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

Left Out: -249.755+/-417.024 χ^2/NDF:19.4/13

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

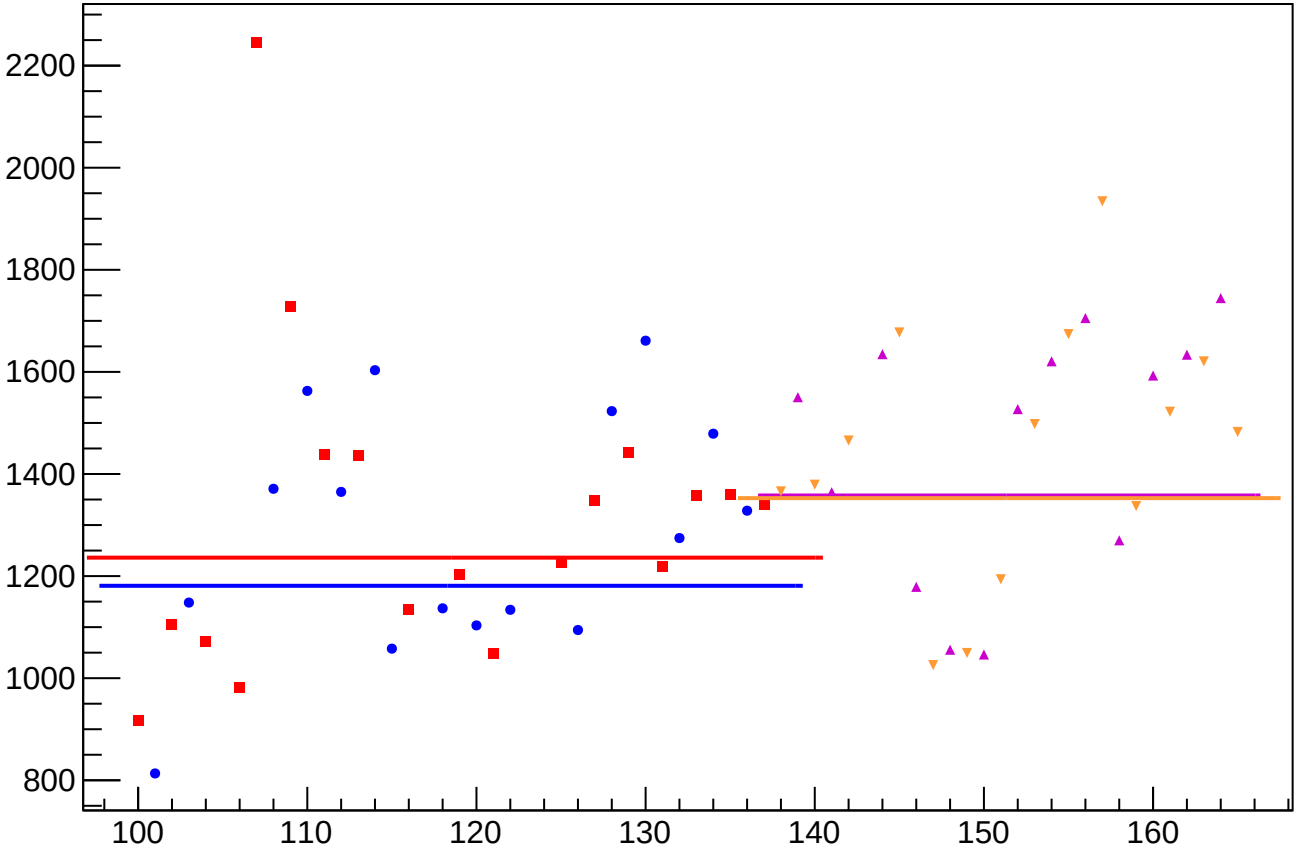
Left In: -363.762+/-418.258 χ^2/NDF:8.5/12

+ sign -234.227+/-305.729 χ^2/NDF: 34.7/29

All: -205.198+/-217.906 χ^2/NDF: 58.8/60

- sign -175.224+/-310.663 χ^2/NDF: 24.1/30

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1352.707+/-0.295 χ^2/NDF:700113.1/13

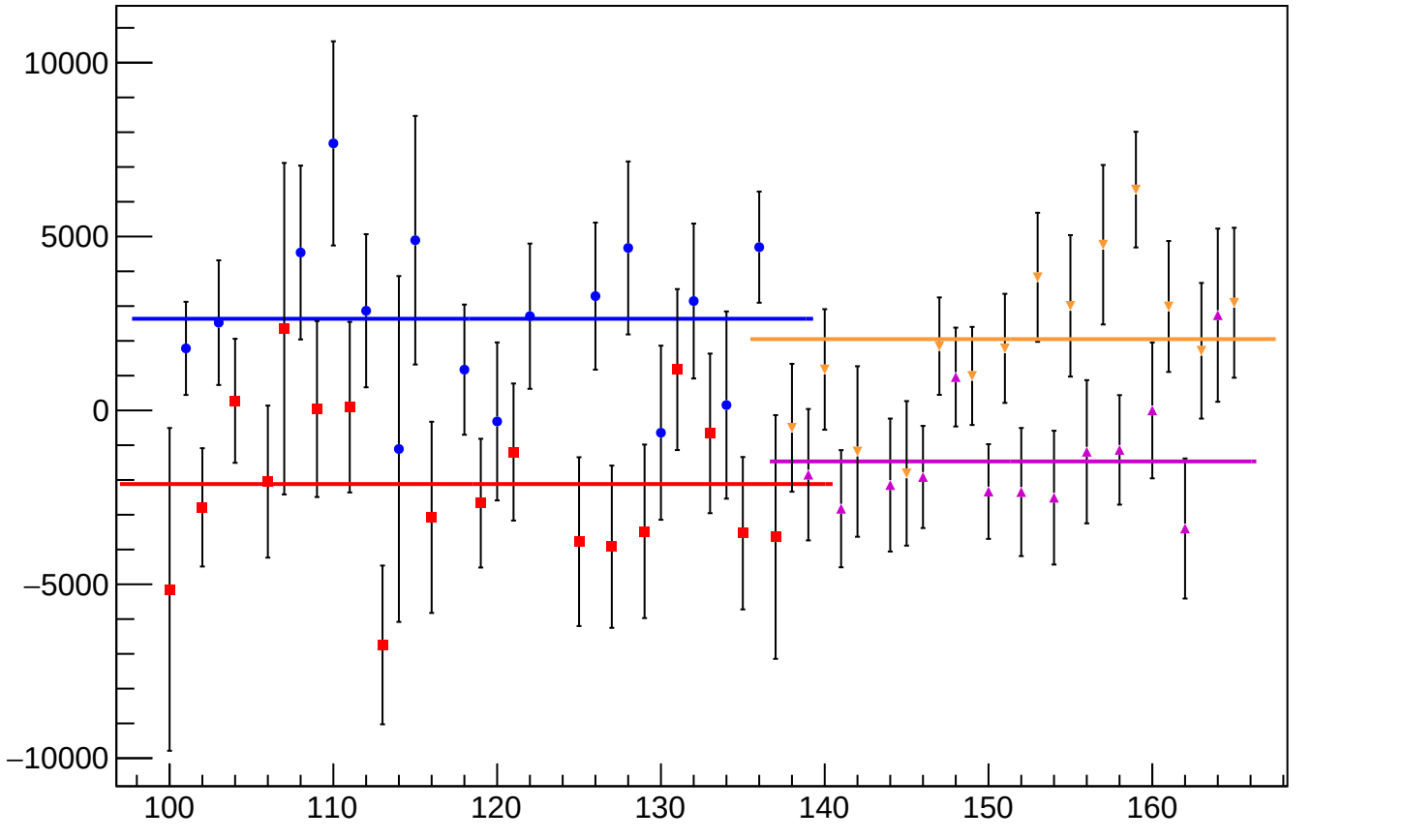
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1357.905+/-0.296 χ^2/NDF:697736.6/12

+ sign 1273.285+/-0.216 χ^2/NDF: 1428058.5/29

All: 1288.058+/-0.154 χ^2/NDF: 2608532.4/60

- sign 1303.312+/-0.220 χ^2/NDF: 1170981.9/30



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

Left Out: 2050.362+/-482.826 χ^2/NDF:17.7/13

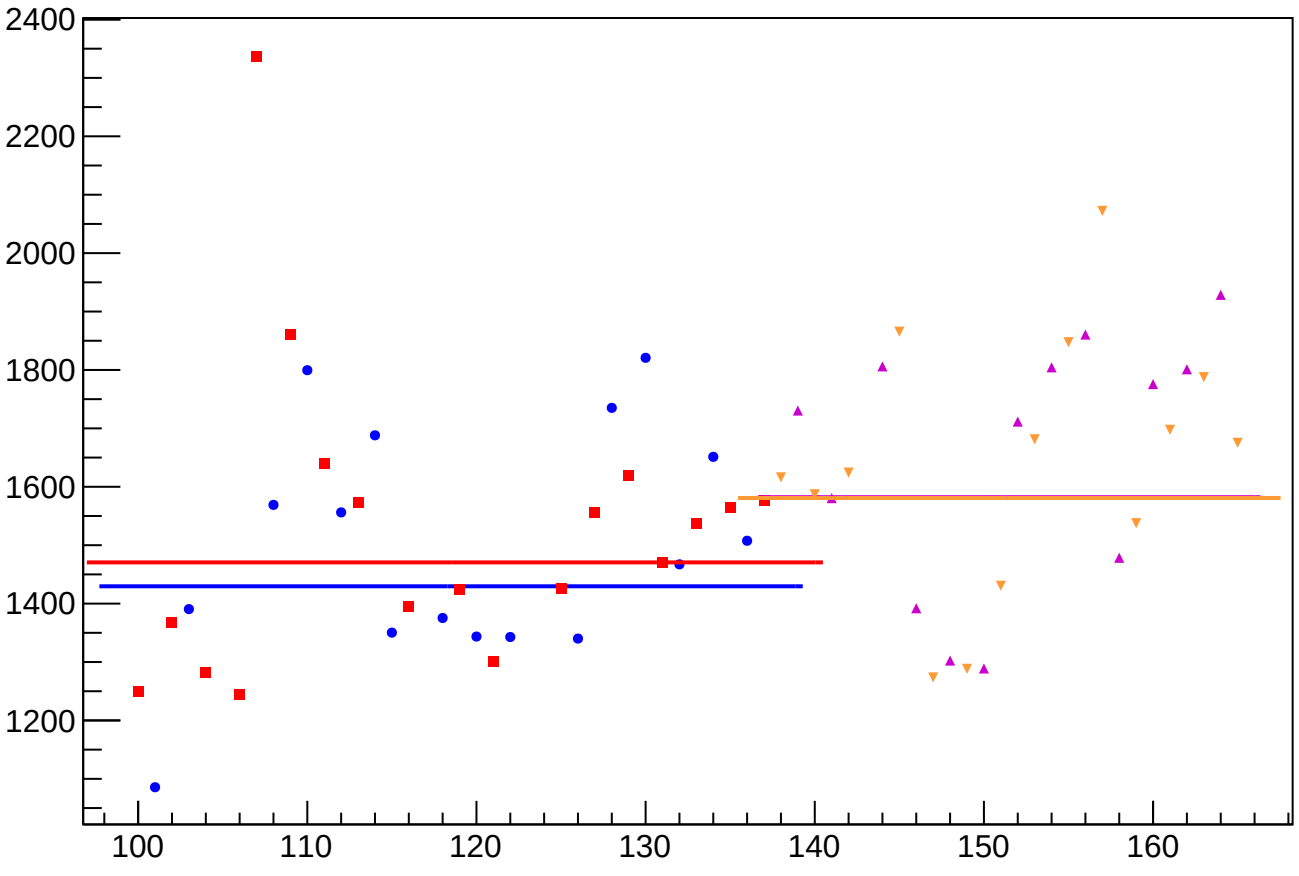
Right Out: -2117.162+/-547.483 χ^2/NDF: 13.7/17

Left In: -1466.491+/-483.488 χ^2/NDF:9.1/12

+ sign 2311.333+/-359.348 χ^2/NDF: 30.6/29

All: 297.058+/-255.170 χ^2/NDF: 117.7/60

- sign -1751.592+/-362.401 χ^2/NDF: 23.7/30



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

Left Out: 1580.830+/-0.341 χ^2/NDF:407045.8/13

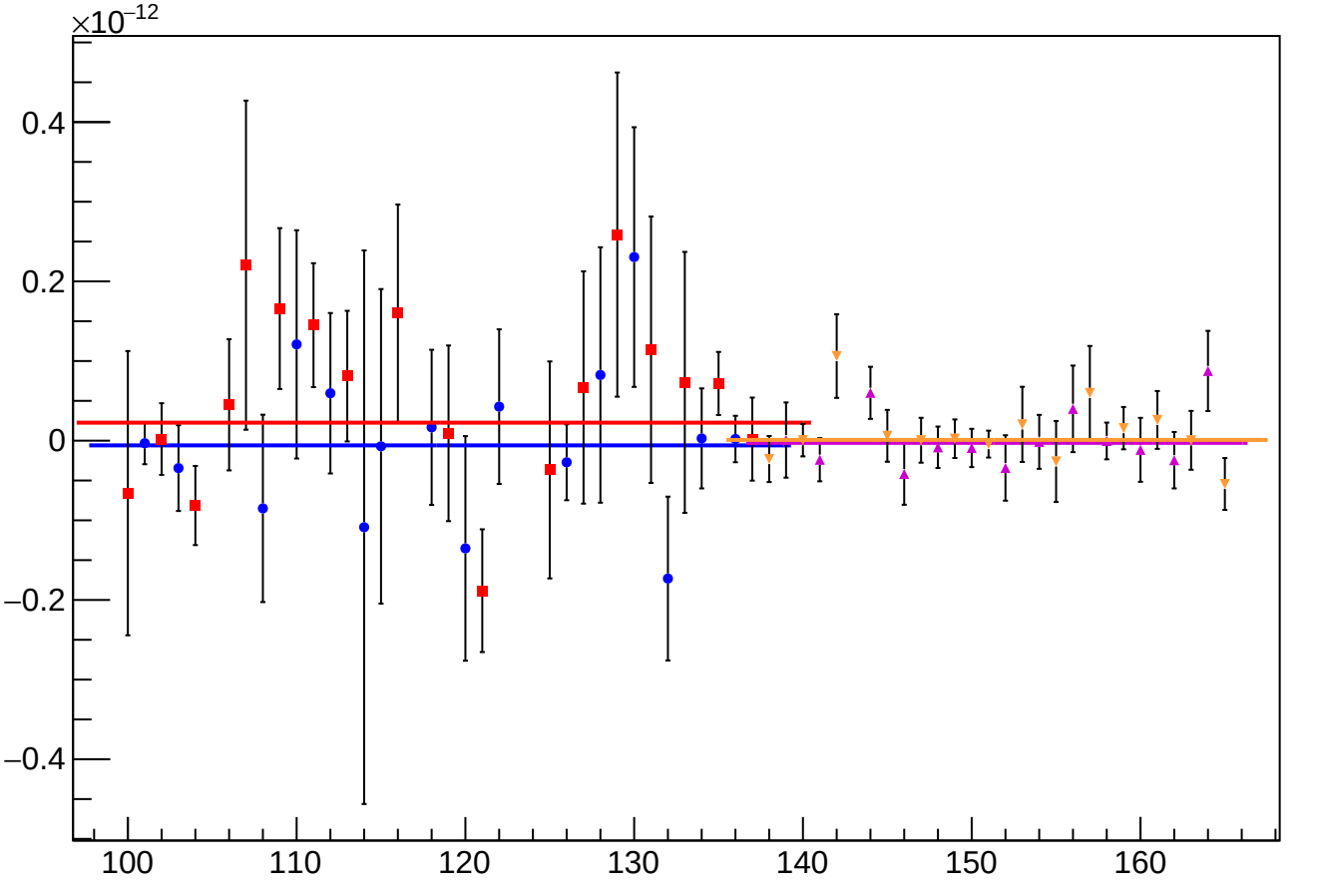
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1582.211+/-0.342 χ^2/NDF:407300.3/12

+ sign 1513.394+/-0.254 χ^2/NDF: 787897.5/29

All: 1523.258+/-0.180 χ^2/NDF: 1463033.9/60

- sign 1533.292+/-0.256 χ^2/NDF: 672096.3/30



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

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/13

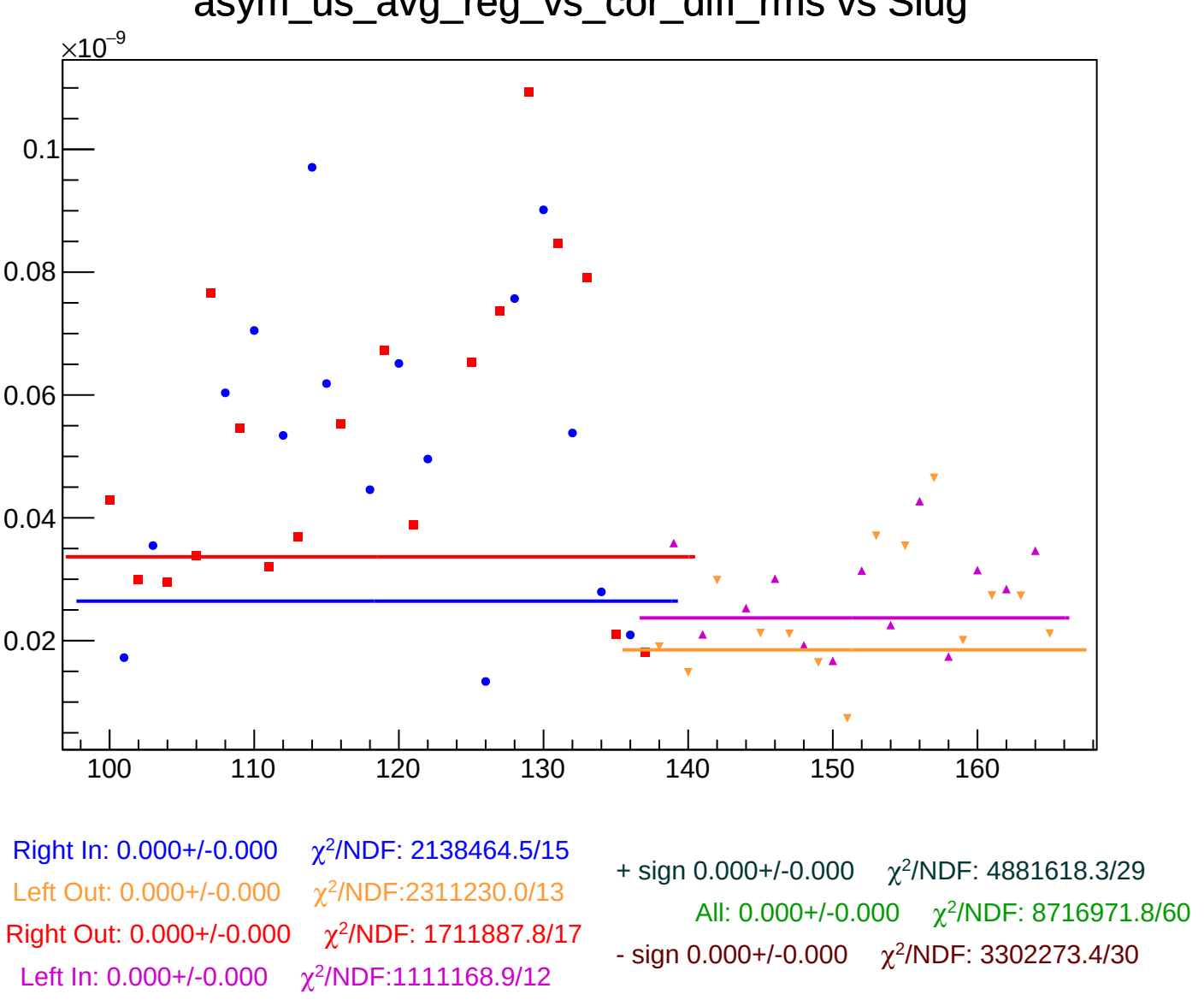
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/12

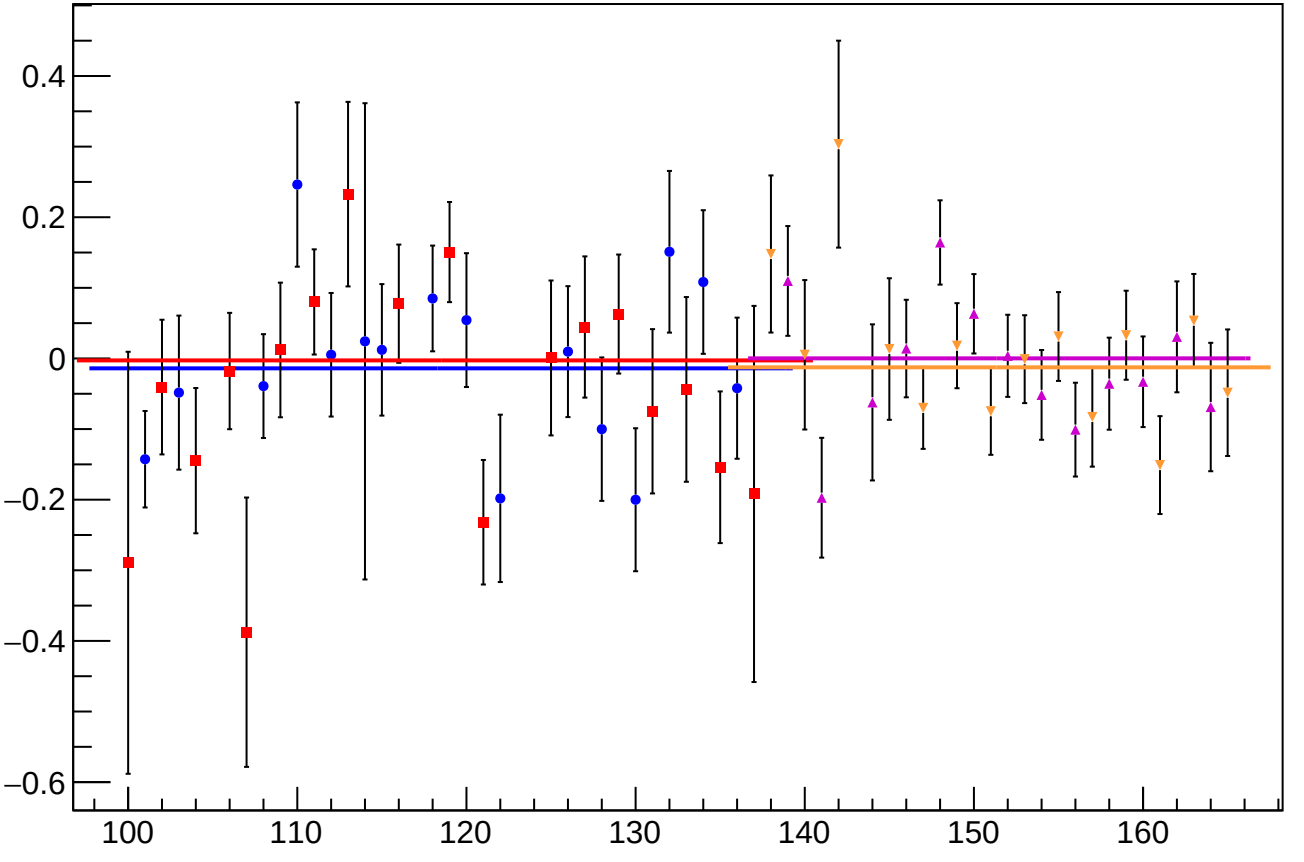
+ sign -0.000+/-0.000 χ^2/NDF: 18.6/29

All: 0.000+/-0.000 χ^2/NDF: 53.6/60

- sign 0.000+/-0.000 χ^2/NDF: 34.9/30


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2311230.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:1111168.9/12
+ sign 0.000+/-0.000 χ²/NDF: 4881618.3/29
All: 0.000+/-0.000 χ²/NDF: 8716971.8/60
- sign 0.000+/-0.000 χ²/NDF: 3302273.4/30

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.013+/-0.019 χ^2/NDF:16.3/13

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

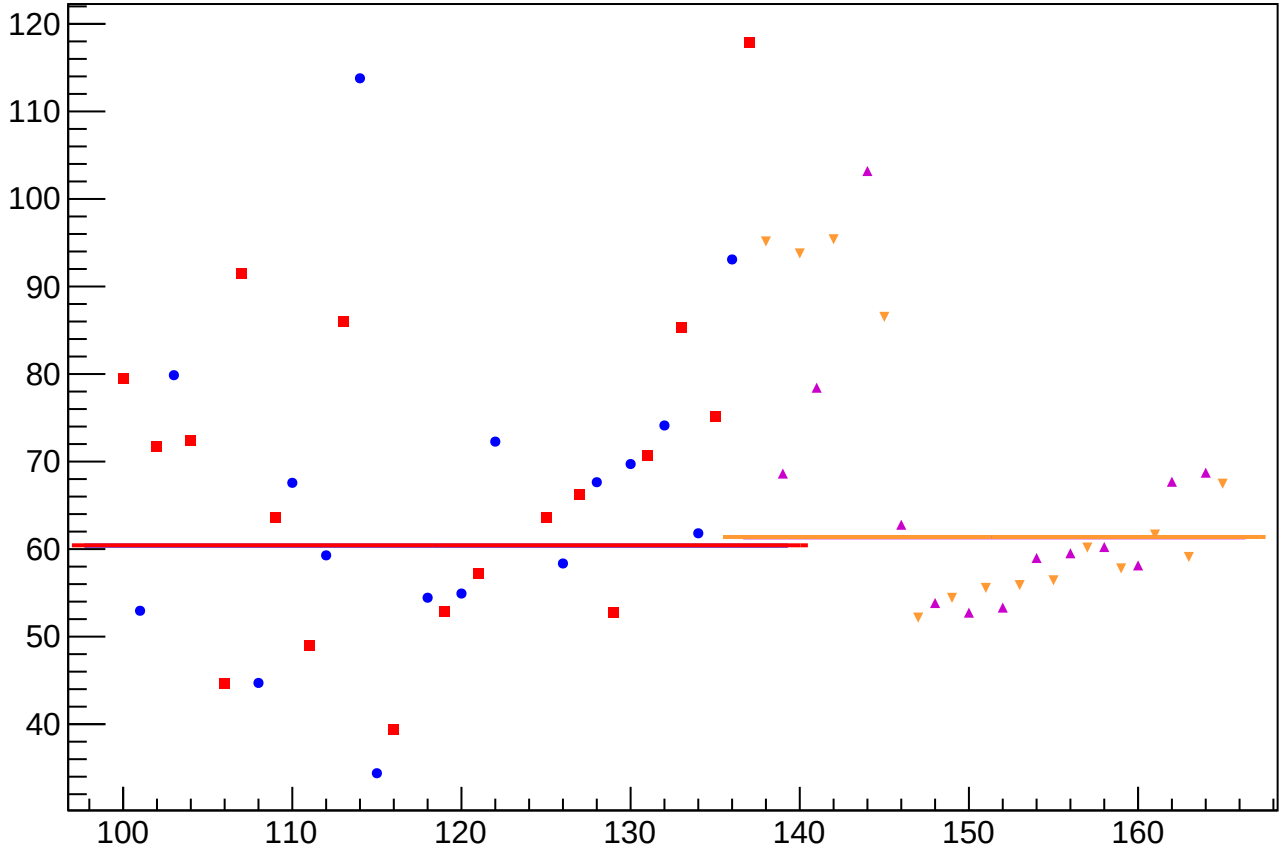
Left In: 0.000+/-0.019 χ^2/NDF:20.9/12

+ sign -0.013+/-0.015 χ^2/NDF: 37.6/29

All: -0.007+/-0.011 χ^2/NDF: 86.6/60

- sign -0.001+/-0.015 χ^2/NDF: 48.6/30

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 61.385+/-0.014 χ^2/NDF:746714.1/13

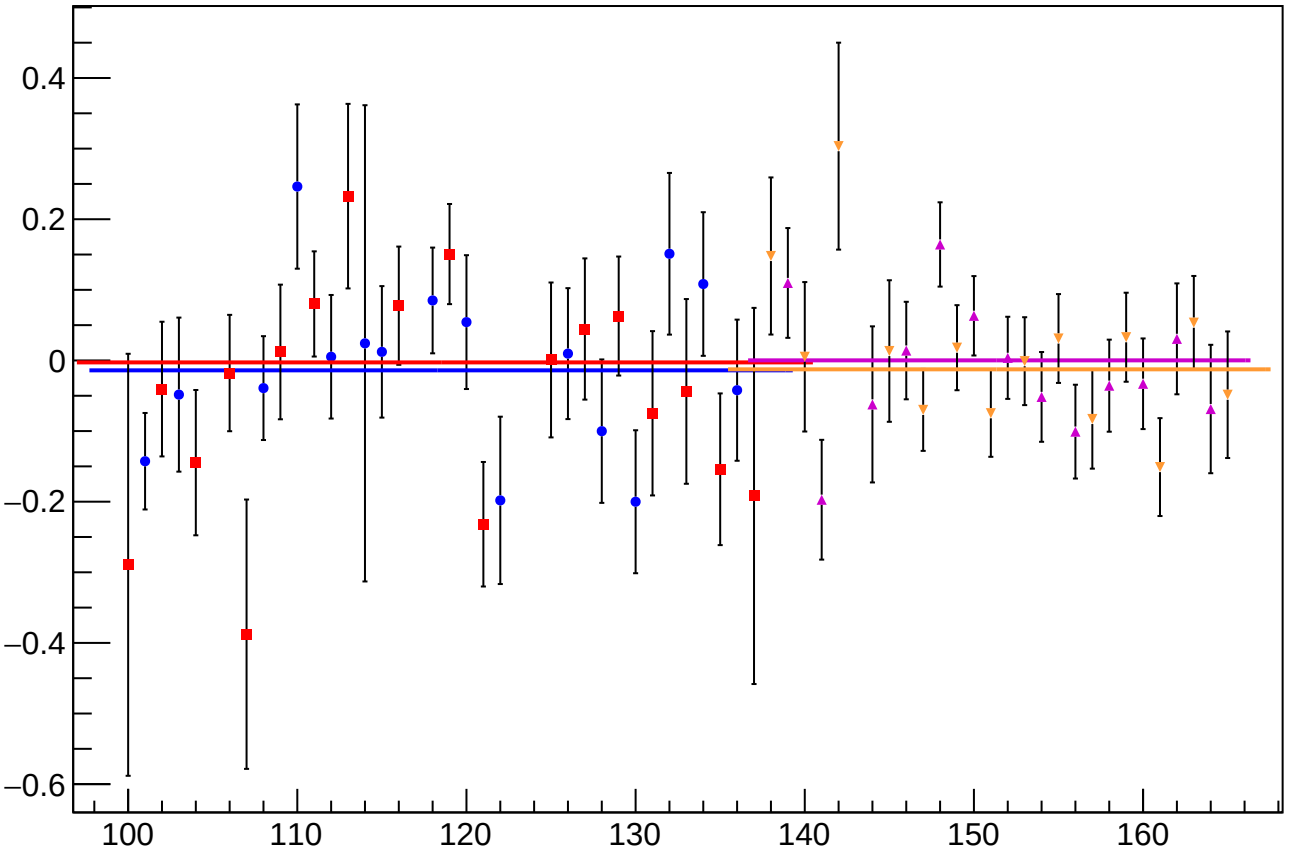
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.345+/-0.014 χ^2/NDF:539003.1/12

+ sign 60.995+/-0.011 χ^2/NDF: 1451932.0/29

All: 60.991+/-0.007 χ^2/NDF: 2703805.8/60

- sign 60.987+/-0.011 χ^2/NDF: 1251873.5/30



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

Left Out: -0.013+/-0.019 χ^2/NDF:16.3/13

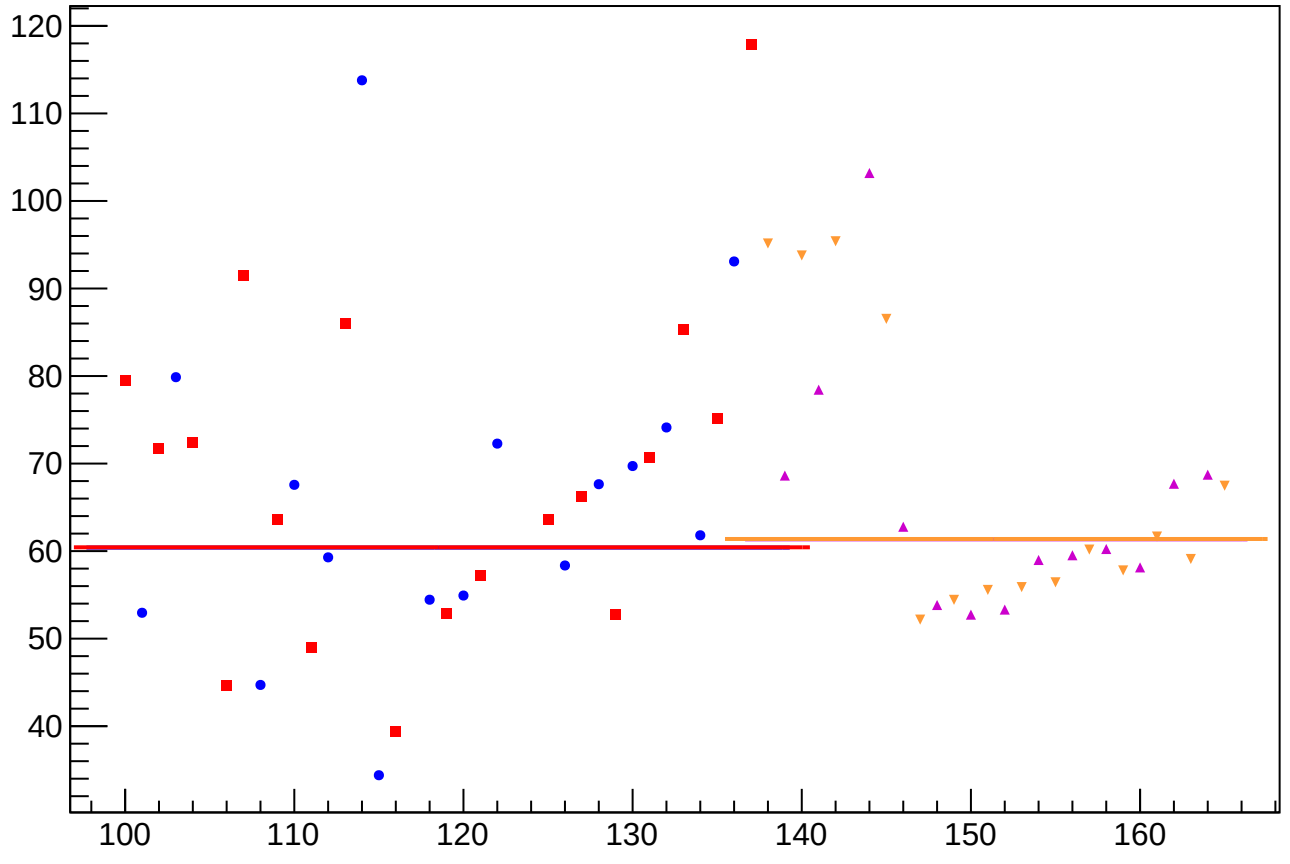
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.000+/-0.019 χ^2/NDF:20.9/12

+ sign -0.013+/-0.015 χ^2/NDF: 37.6/29

All: -0.007+/-0.011 χ^2/NDF: 86.6/60

- sign -0.001+/-0.015 χ^2/NDF: 48.6/30



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

Left Out: 61.385+/-0.014 χ^2/NDF:746714.1/13

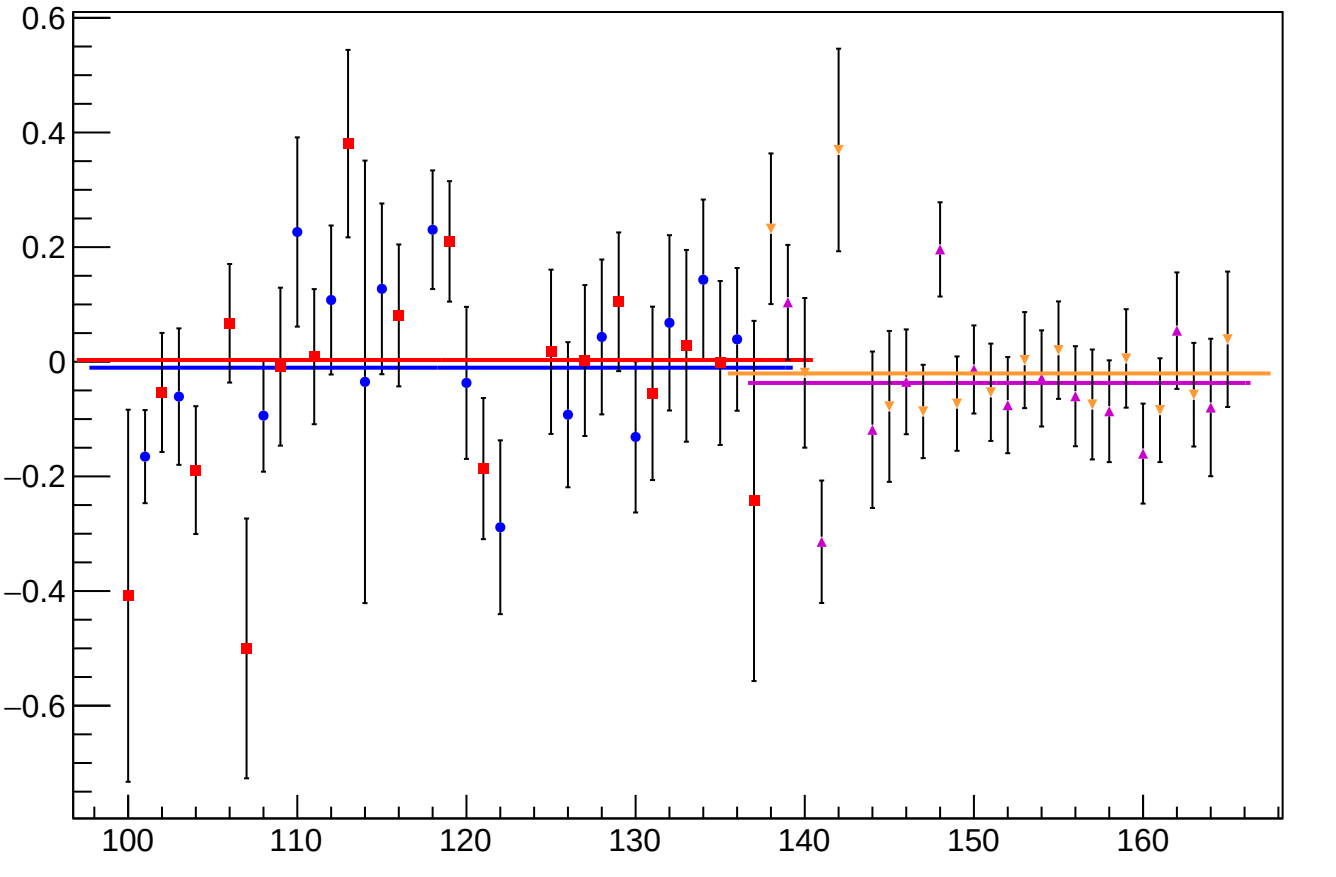
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.345+/-0.014 χ^2/NDF:539003.1/12

+ sign 60.995+/-0.011 χ^2/NDF: 1451932.0/29

All: 60.991+/-0.007 χ^2/NDF: 2703805.8/60

- sign 60.987+/-0.011 χ^2/NDF: 1251873.5/30



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

Left Out: -0.020+/-0.026 χ^2/NDF:11.6/13

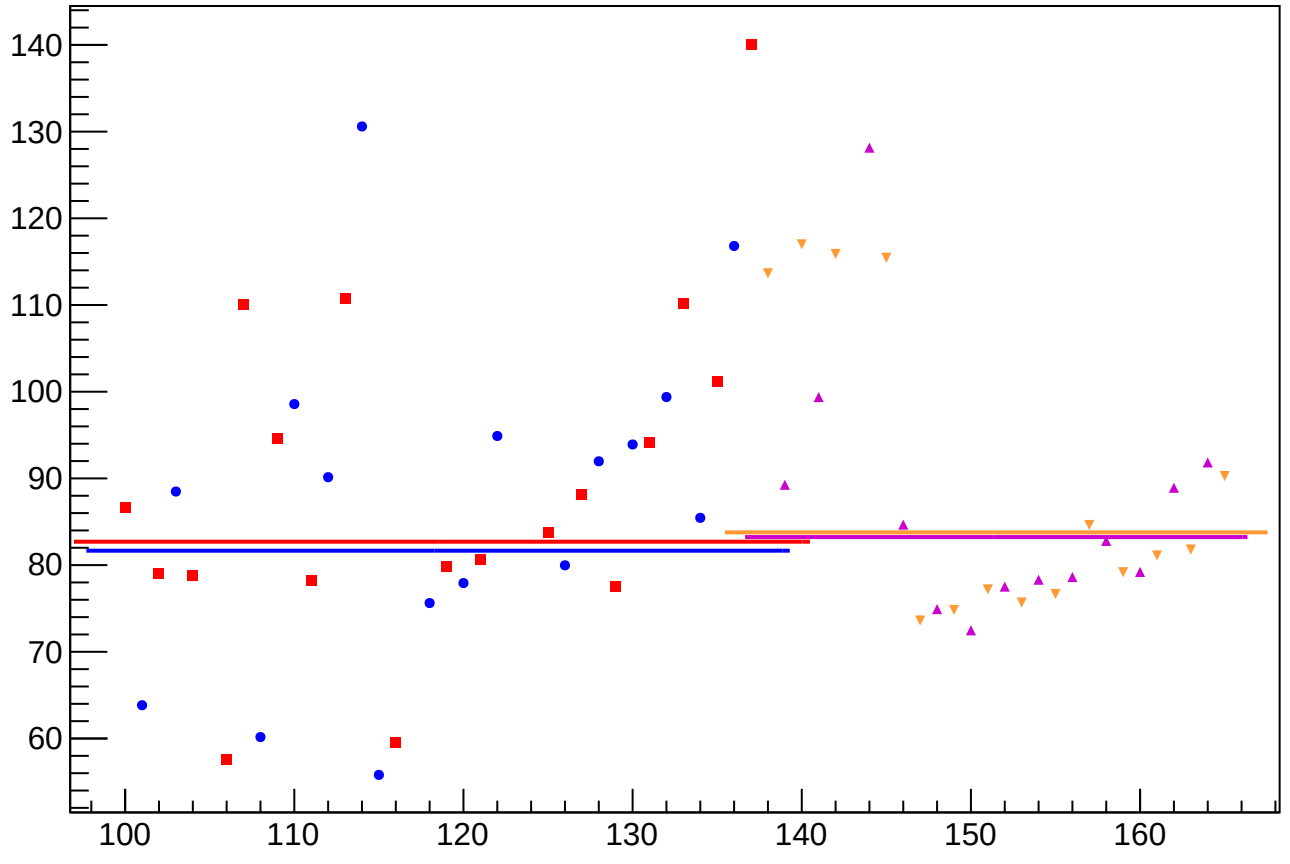
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.037+/-0.026 χ^2/NDF:20.7/12

+ sign -0.016+/-0.020 χ^2/NDF: 31.8/29

All: -0.019+/-0.014 χ^2/NDF: 77.2/60

- sign -0.021+/-0.020 χ^2/NDF: 45.3/30



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

Left Out: 83.777+/-0.018 χ^2/NDF:528819.4/13

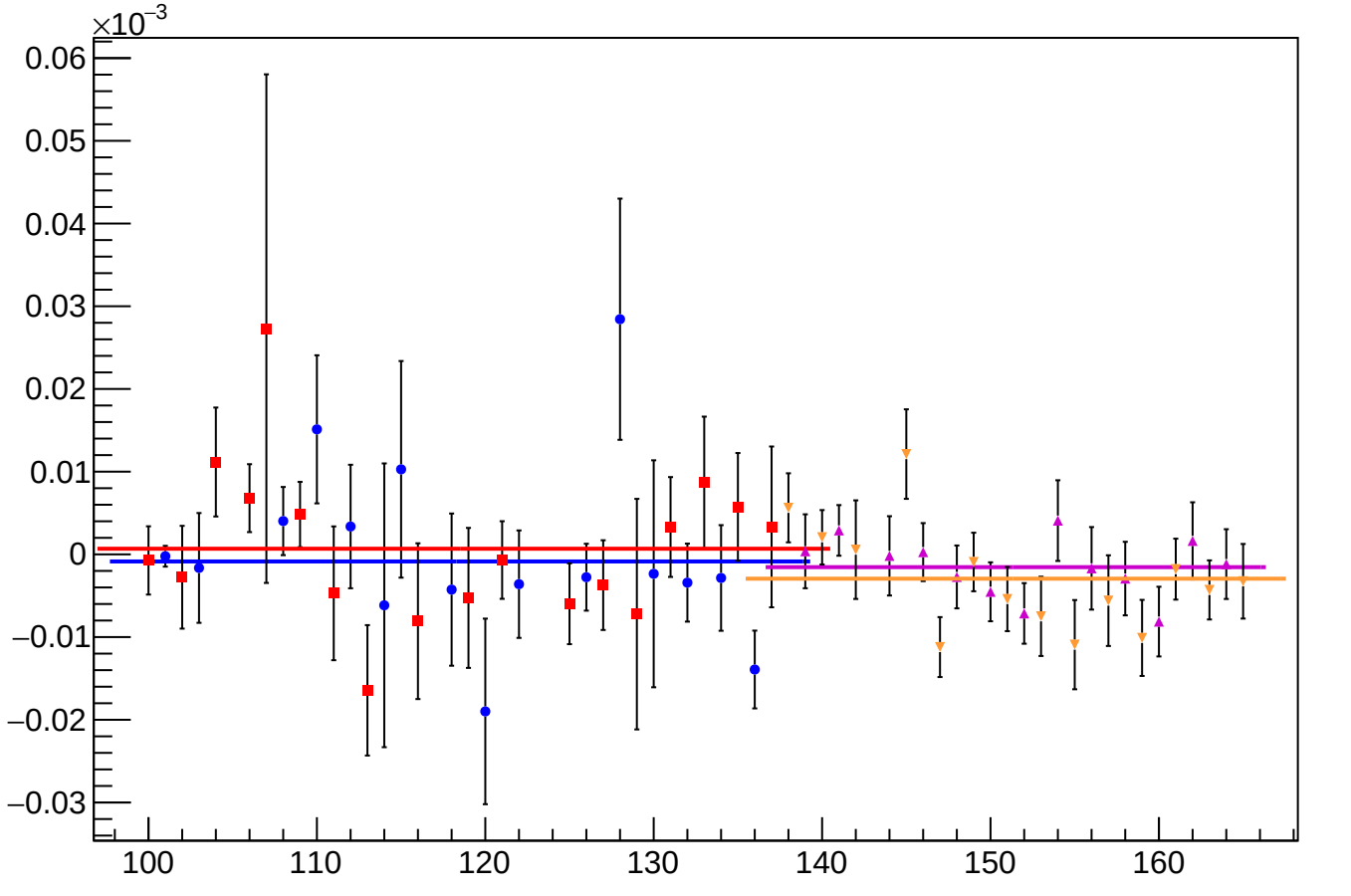
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 83.235+/-0.018 χ^2/NDF:372280.1/12

+ sign 82.926+/-0.014 χ^2/NDF: 1096006.5/29

All: 82.975+/-0.010 χ^2/NDF: 1941719.2/60

- sign 83.024+/-0.014 χ^2/NDF: 845688.4/30



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/13

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

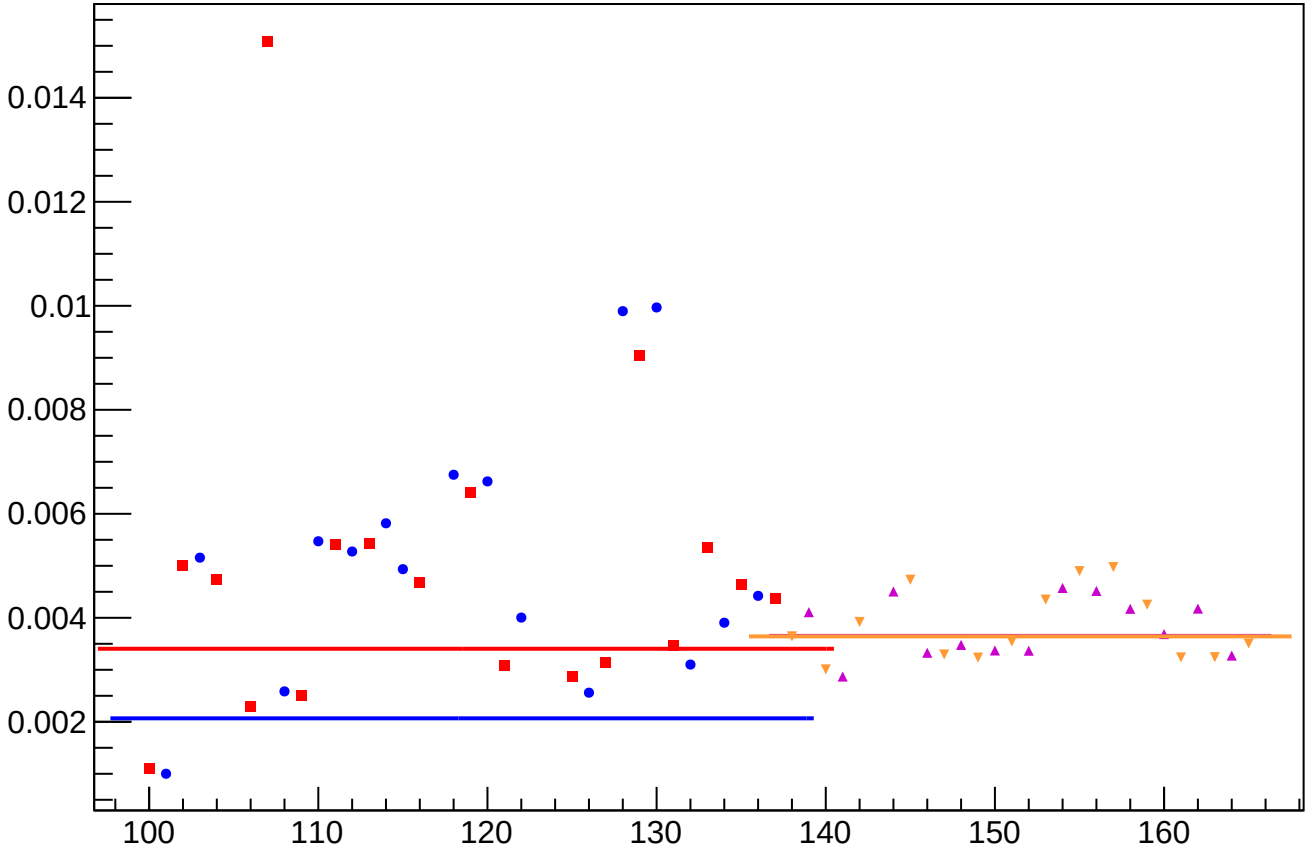
Left In: -0.000+/-0.000 χ^2/NDF:10.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 49.8/29

All: -0.000+/-0.000 χ^2/NDF: 80.6/60

- sign -0.000+/-0.000 χ^2/NDF: 30.0/30

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:562543.0/13

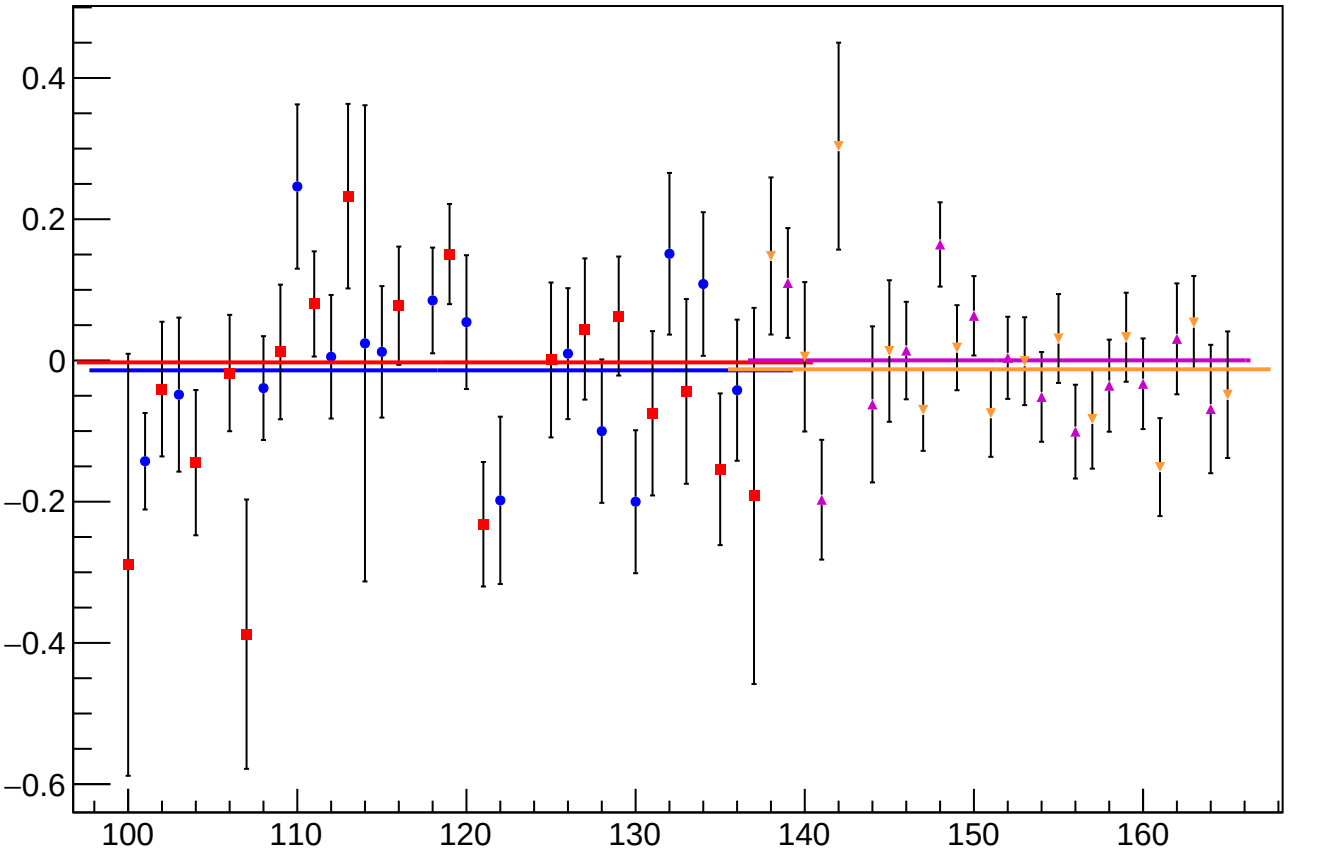
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.004+/-0.000 χ^2/NDF:460891.6/12

\+ sign 0.003+/-0.000 χ^2/NDF: 8557106.8/29

All: 0.003+/-0.000 χ^2/NDF: 12470327.8/60

\- sign 0.004+/-0.000 χ^2/NDF: 2989409.3/30



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

Left Out: -0.013+/-0.019 χ^2/NDF:16.3/13

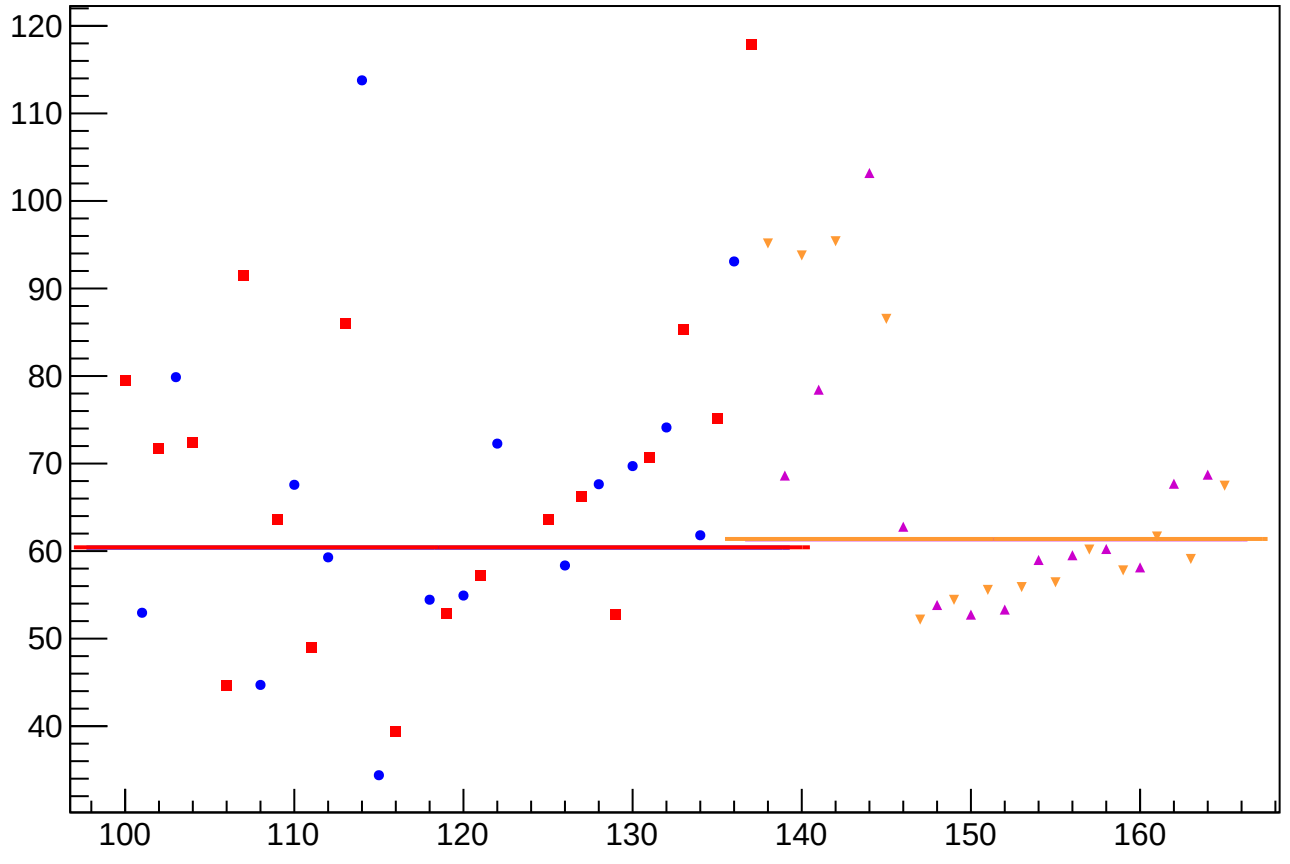
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.000+/-0.019 χ^2/NDF:20.9/12

+ sign -0.013+/-0.015 χ^2/NDF: 37.6/29

All: -0.007+/-0.011 χ^2/NDF: 86.6/60

- sign -0.001+/-0.015 χ^2/NDF: 48.6/30



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

Left Out: 61.385+/-0.014 χ^2/NDF:746707.5/13

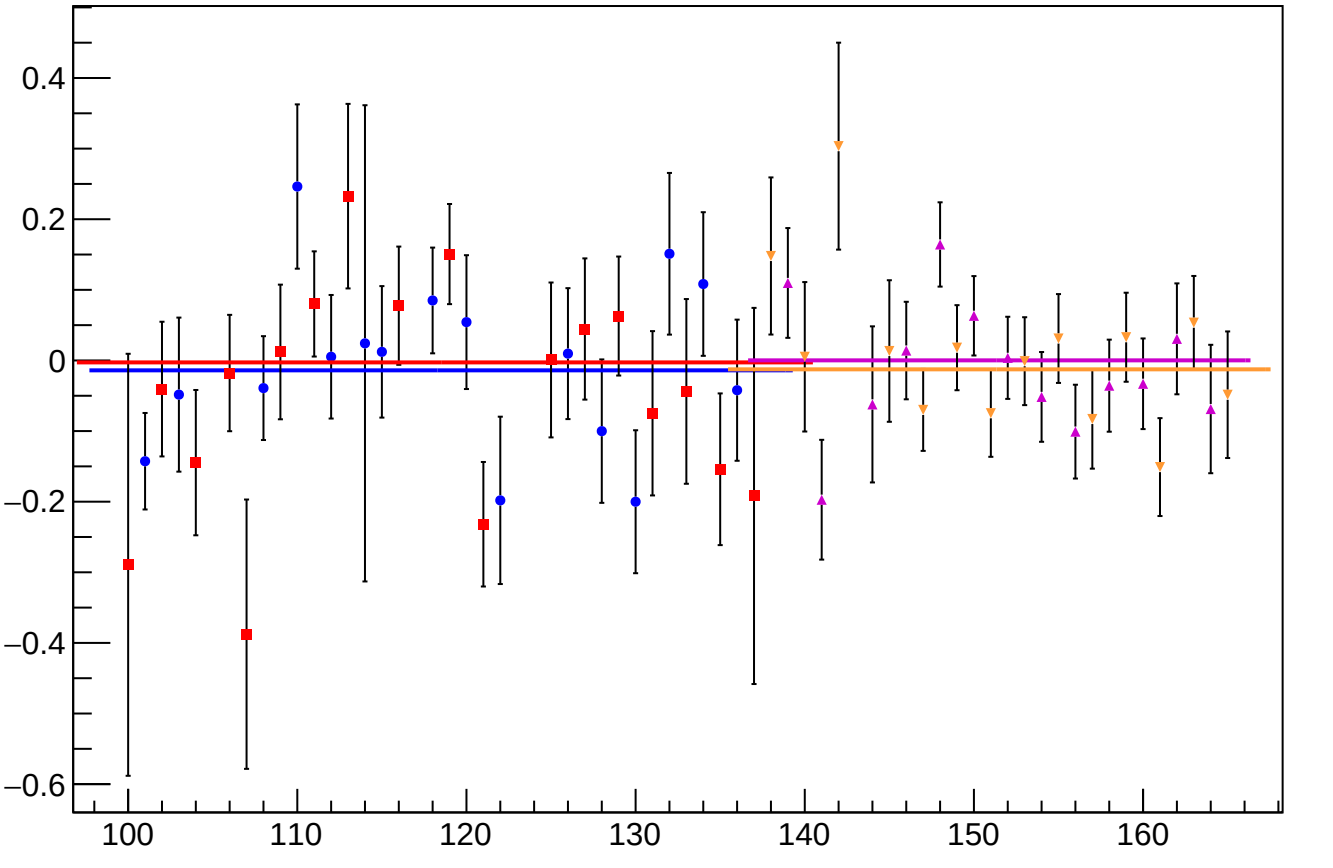
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

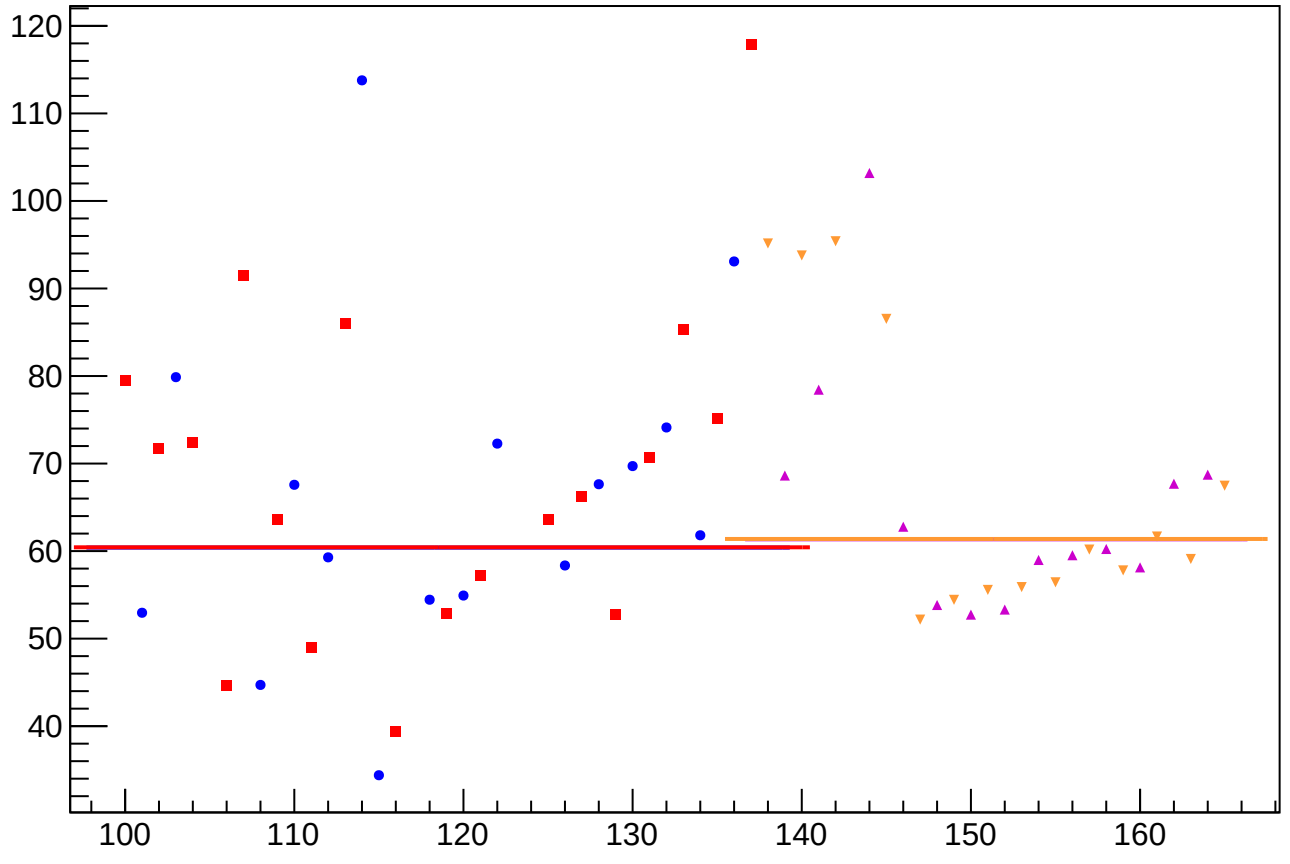
Left In: 61.345+/-0.014 χ^2/NDF:538997.1/12

+ sign 60.994+/-0.011 χ^2/NDF: 1451944.9/29

All: 60.990+/-0.007 χ^2/NDF: 2703849.0/60

- sign 60.986+/-0.011 χ^2/NDF: 1251903.9/30


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.013+/-0.019 χ²/NDF:16.3/13
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.000+/-0.019 χ²/NDF:20.9/12
+ sign -0.013+/-0.015 χ²/NDF: 37.6/29
All: -0.007+/-0.011 χ²/NDF: 86.6/60
- sign -0.001+/-0.015 χ²/NDF: 48.6/30



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

Left Out: 61.385+/-0.014 χ^2/NDF:746707.5/13

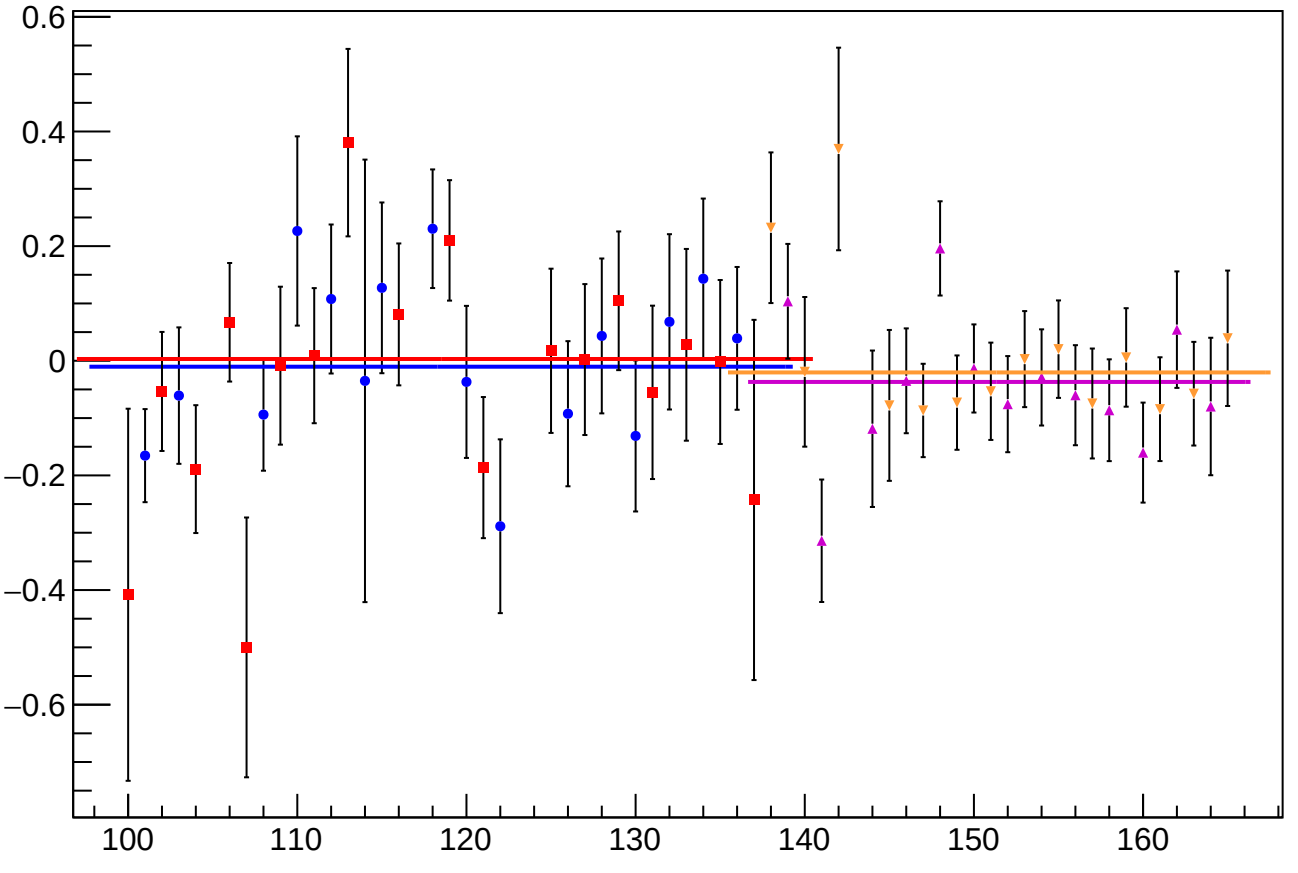
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.345+/-0.014 χ^2/NDF:538997.1/12

+ sign 60.994+/-0.011 χ^2/NDF: 1451944.9/29

All: 60.990+/-0.007 χ^2/NDF: 2703849.0/60

- sign 60.986+/-0.011 χ^2/NDF: 1251903.9/30



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

Left Out: -0.020+/-0.026 χ^2/NDF:11.6/13

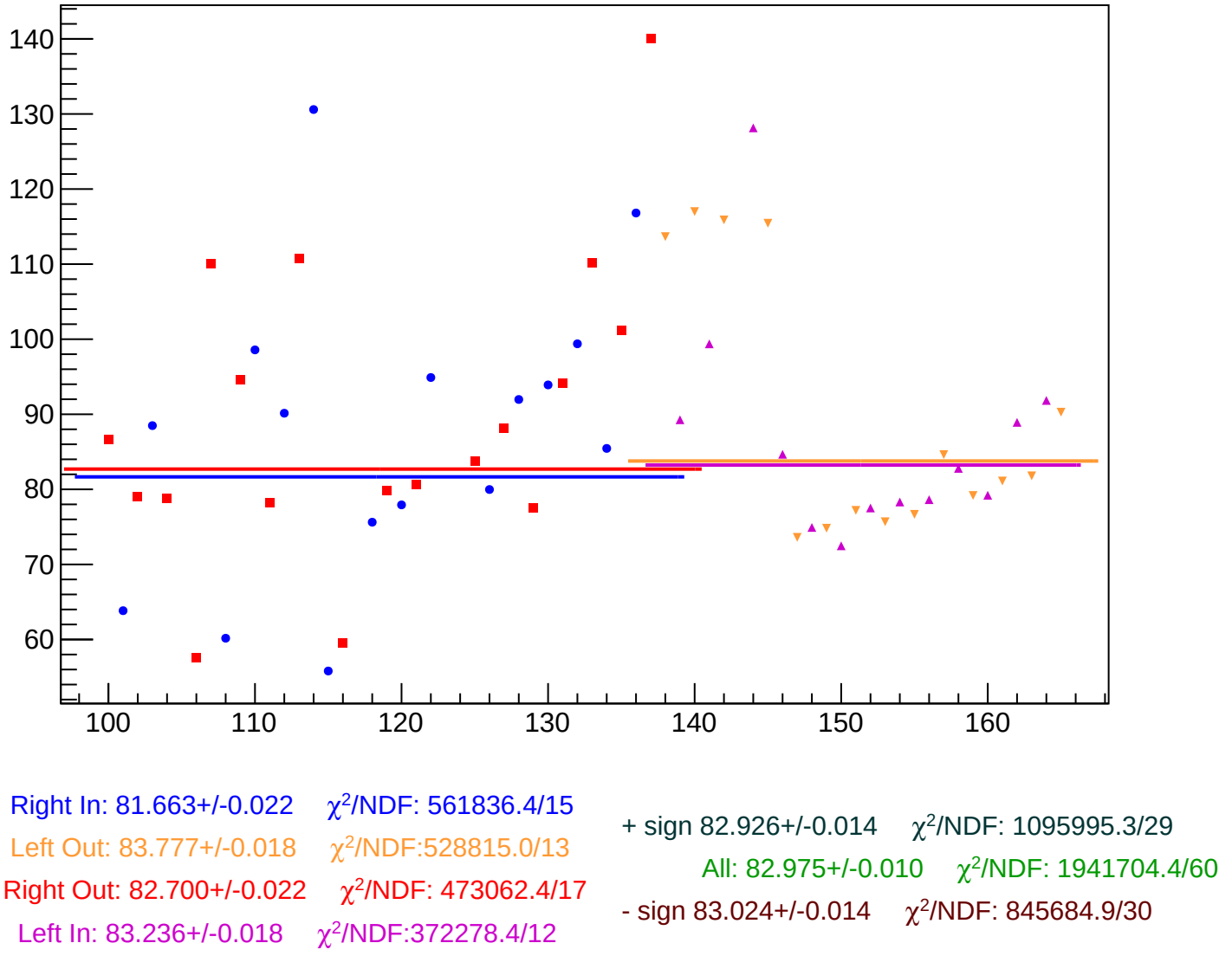
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

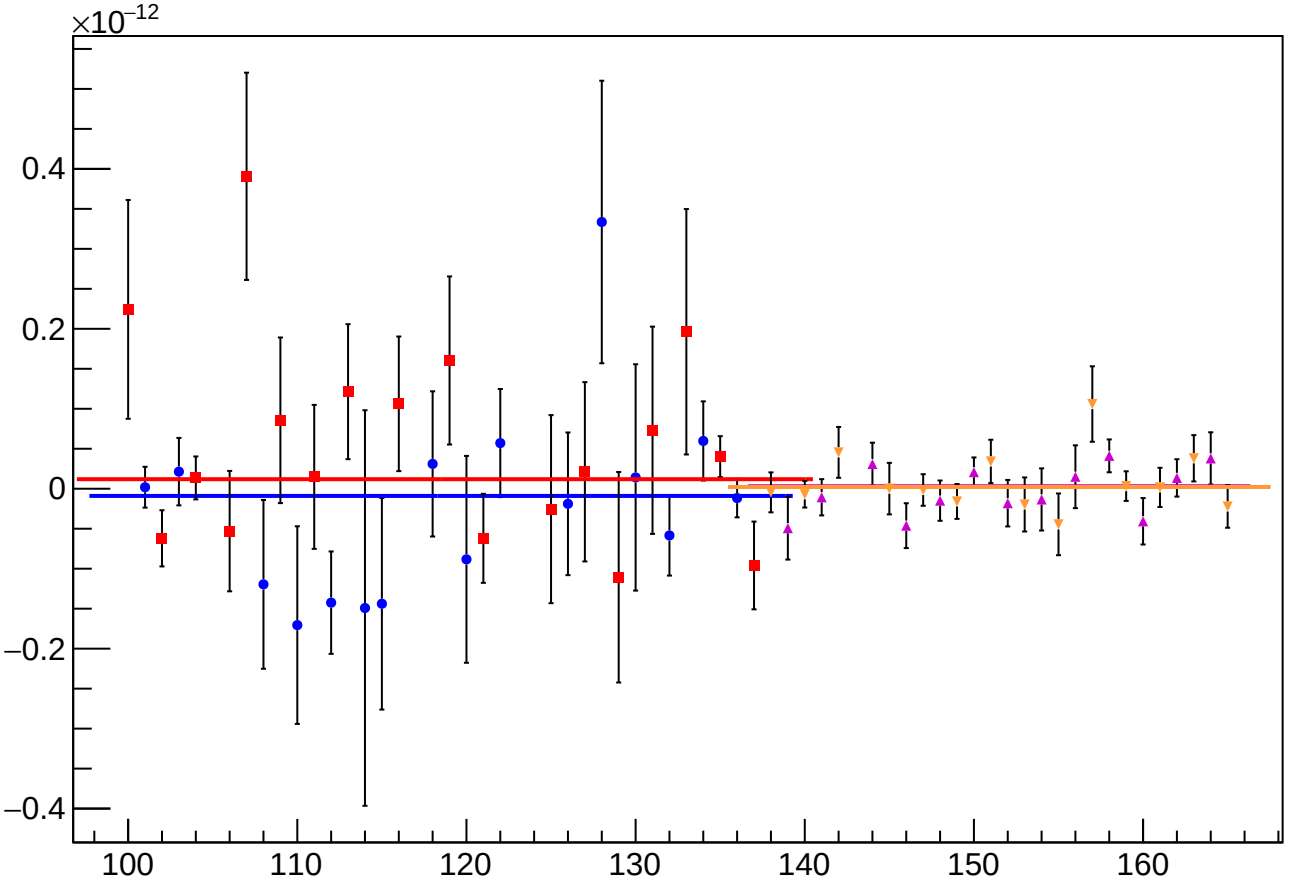
Left In: -0.037+/-0.026 χ^2/NDF:20.7/12

+ sign -0.016+/-0.020 χ^2/NDF: 31.8/29

All: -0.019+/-0.014 χ^2/NDF: 77.2/60

- sign -0.021+/-0.020 χ^2/NDF: 45.3/30


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 83.777+/-0.018 χ²/NDF:528815.0/13
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 83.236+/-0.018 χ²/NDF:372278.4/12
+ sign 82.926+/-0.014 χ²/NDF: 1095995.3/29
All: 82.975+/-0.010 χ²/NDF: 1941704.4/60
- sign 83.024+/-0.014 χ²/NDF: 845684.9/30



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/13

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

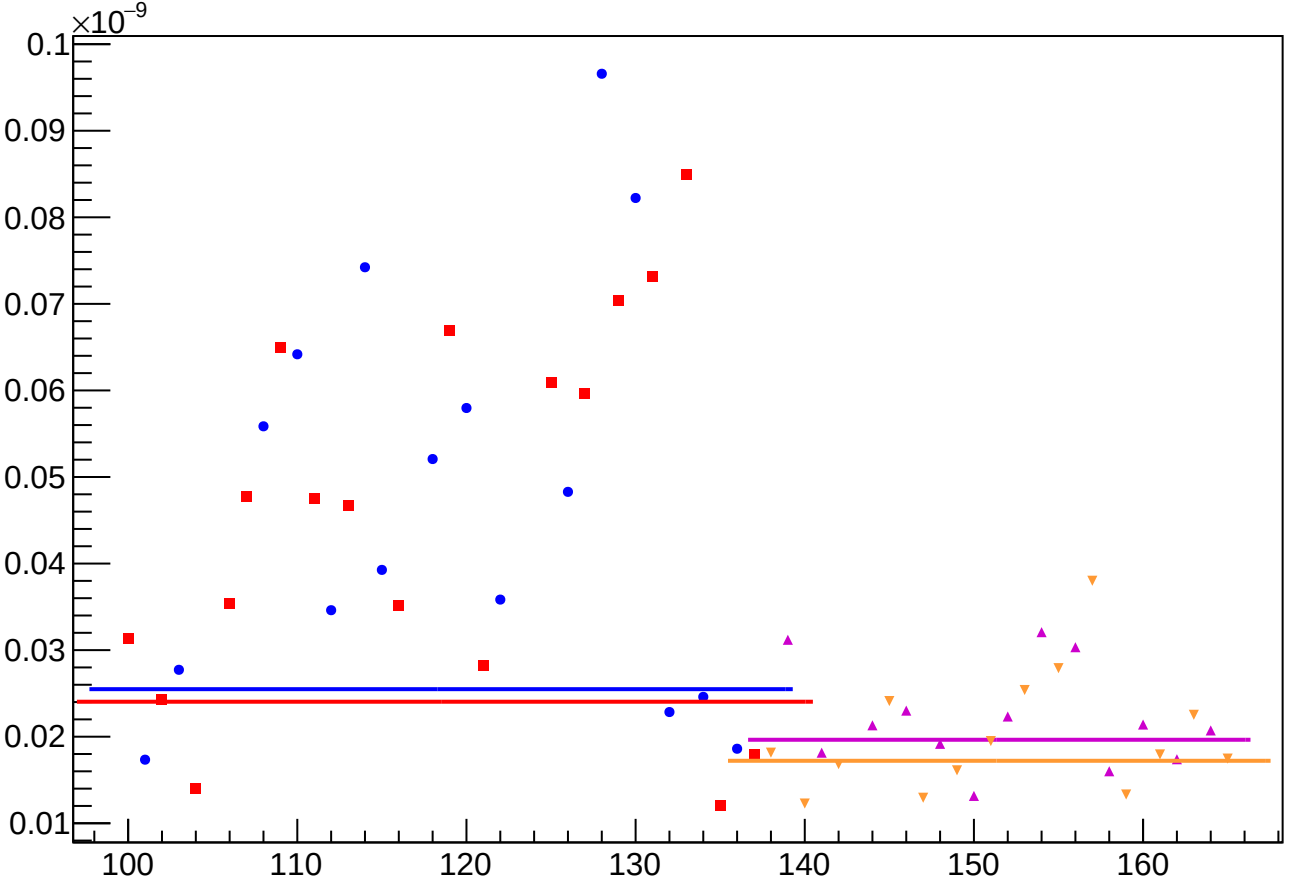
Left In: 0.000+/-0.000 χ^2/NDF:15.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.5/29

All: 0.000+/-0.000 χ^2/NDF: 78.8/60

- sign 0.000+/-0.000 χ^2/NDF: 47.0/30

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:1200800.3/13

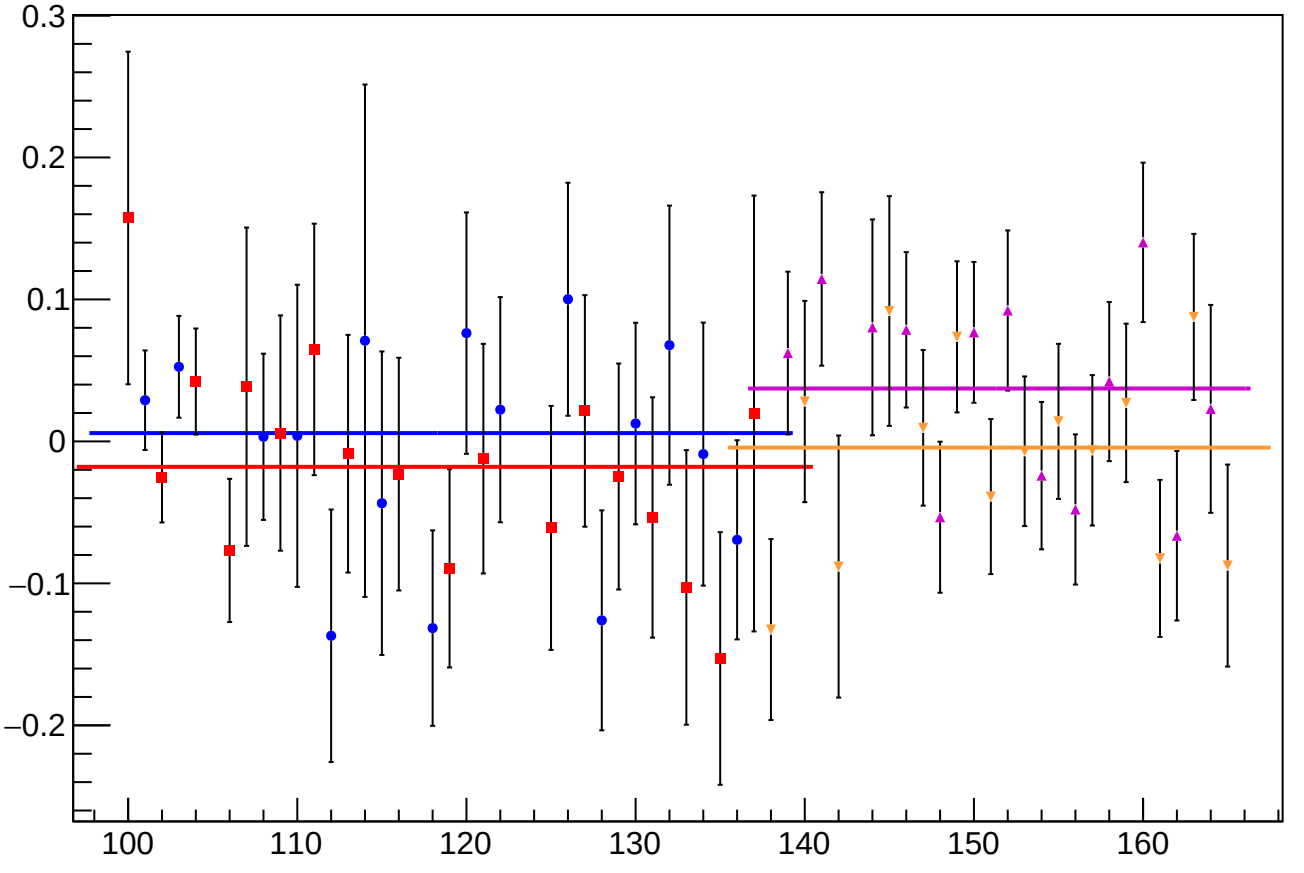
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:928566.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3822459.8/29

All: 0.000+/-0.000 χ^2/NDF: 8081826.4/60

- sign 0.000+/-0.000 χ^2/NDF: 4178781.8/30



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

Left Out: -0.004+/-0.016 χ^2/NDF:15.4/13

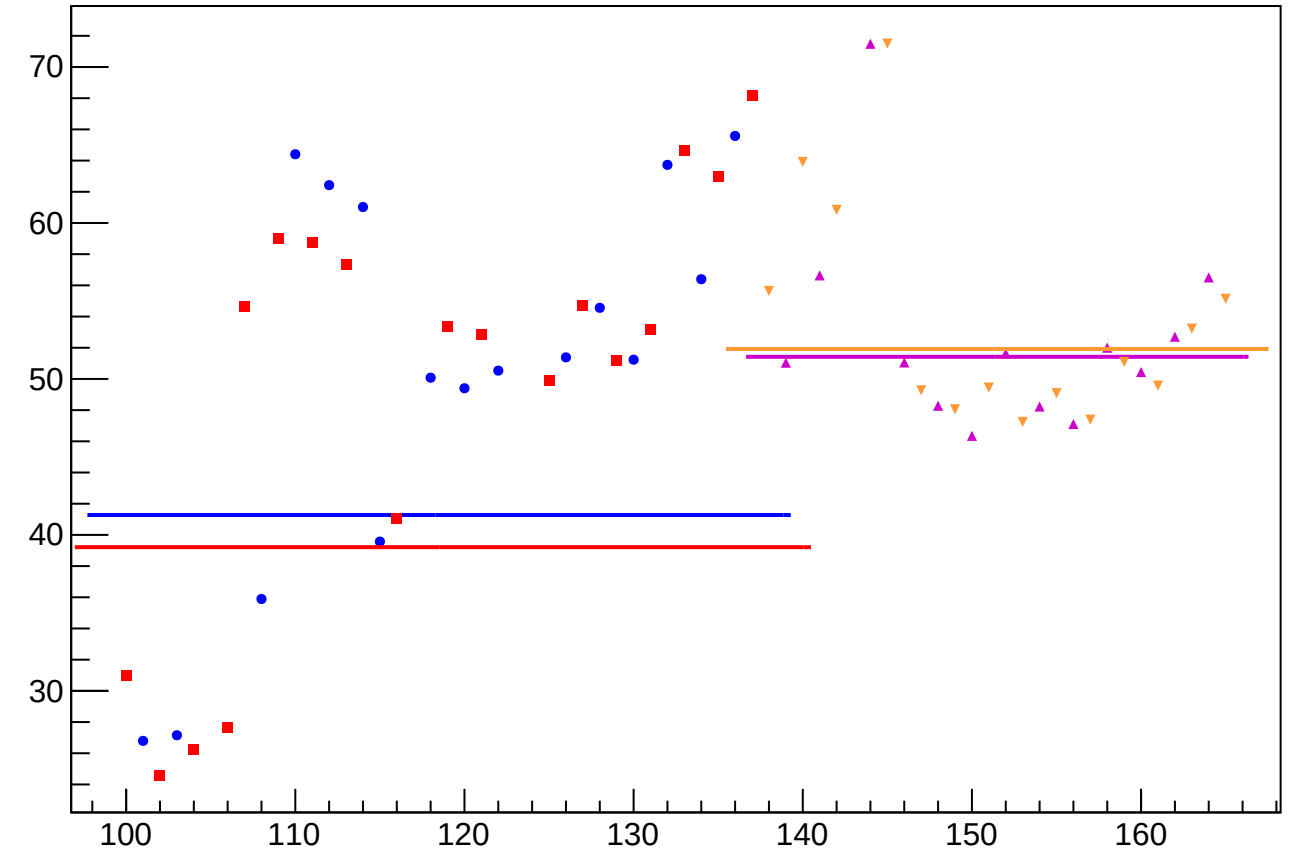
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.037+/-0.016 χ^2/NDF:17.6/12

+ sign 0.001+/-0.011 χ^2/NDF: 31.1/29

All: 0.005+/-0.008 χ^2/NDF: 67.5/60

- sign 0.009+/-0.011 χ^2/NDF: 36.0/30



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

Left Out: 51.922+/-0.011 χ^2/NDF:264241.0/13

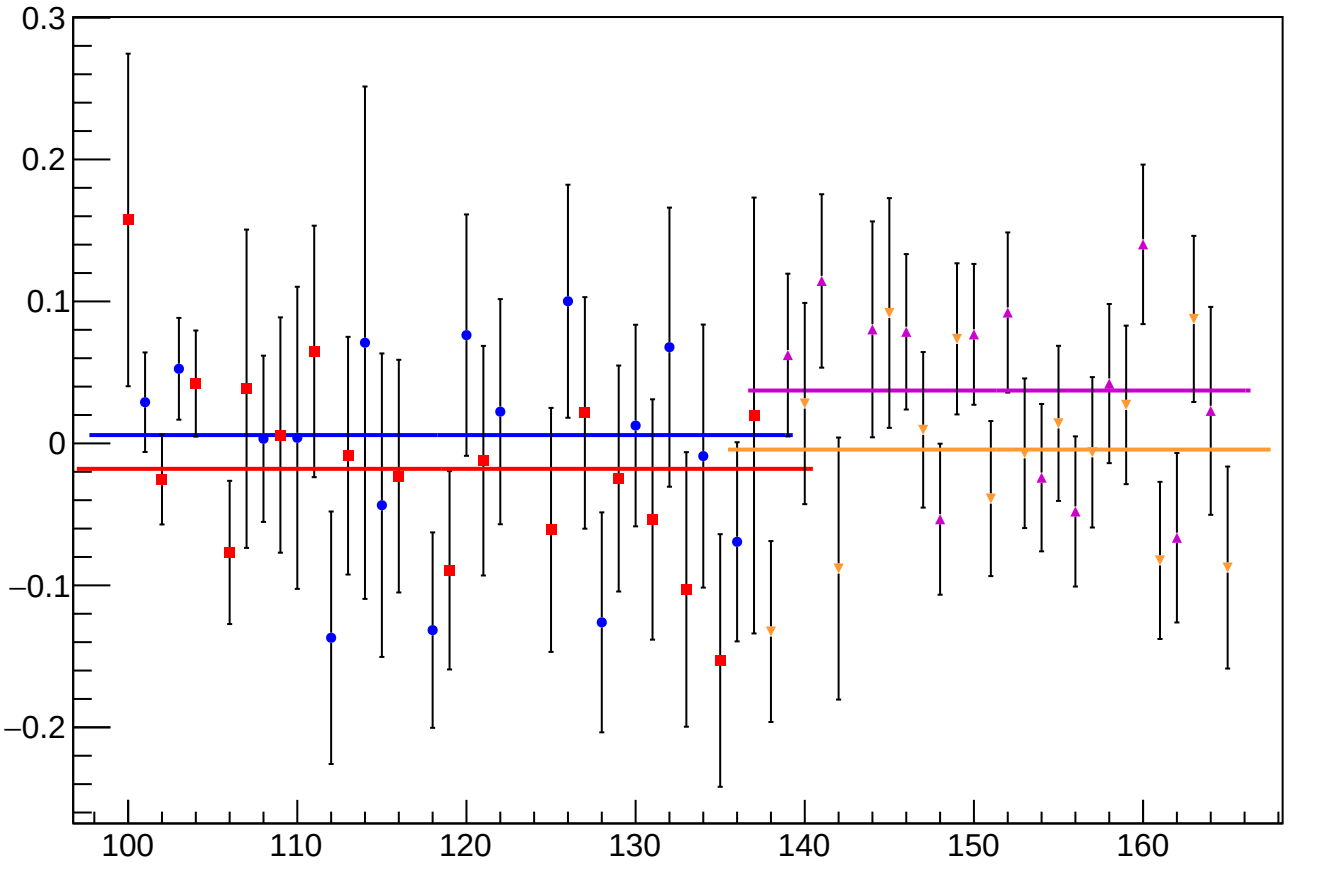
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.420+/-0.011 χ^2/NDF:214267.9/12

+ sign 46.784+/-0.008 χ^2/NDF: 2198857.6/29

All: 46.008+/-0.006 χ^2/NDF: 4848709.7/60

- sign 45.274+/-0.008 χ^2/NDF: 2632060.6/30



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

Left Out: -0.004+/-0.016 χ^2/NDF:15.4/13

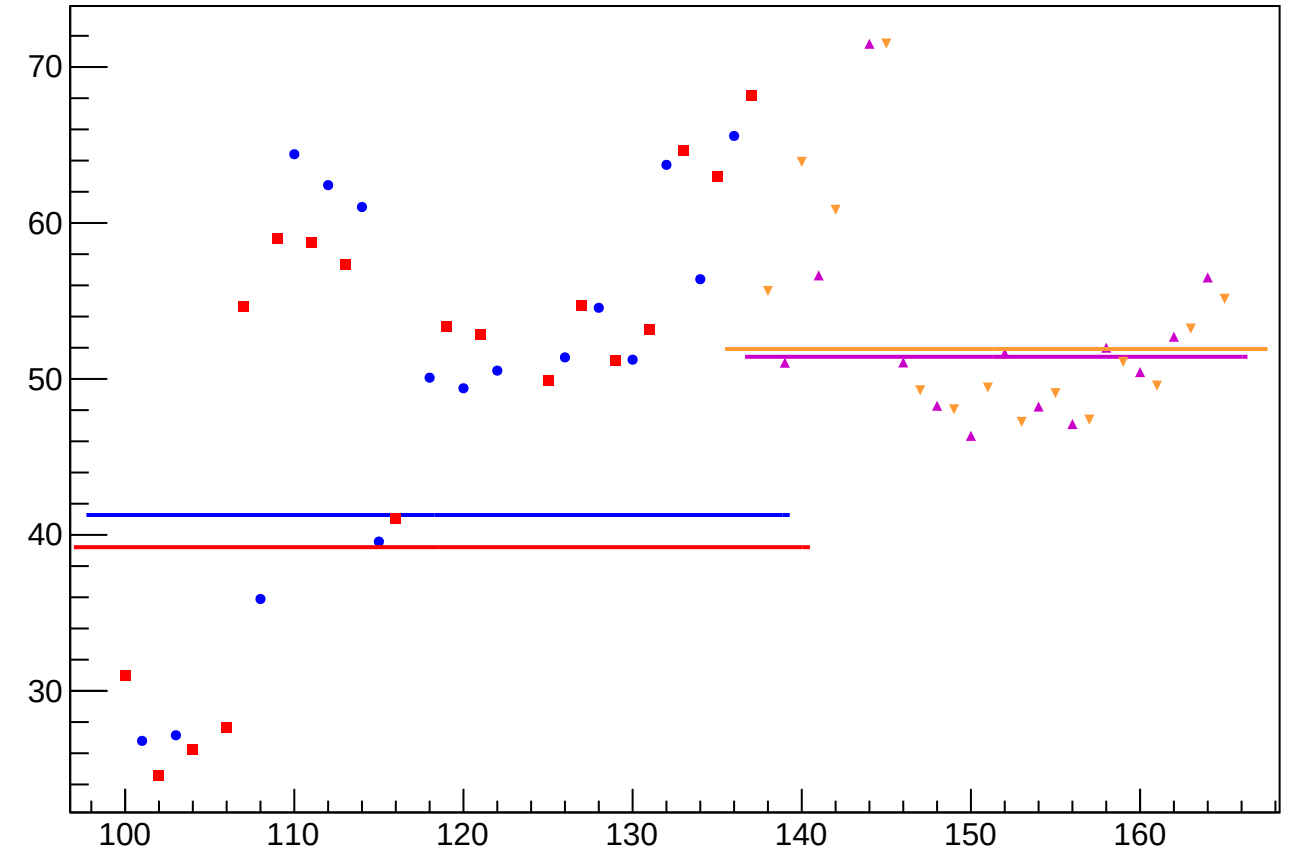
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.037+/-0.016 χ^2/NDF:17.6/12

\+ sign 0.001+/-0.011 χ^2/NDF: 31.1/29

All: 0.005+/-0.008 χ^2/NDF: 67.5/60

\- sign 0.009+/-0.011 χ^2/NDF: 36.0/30



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

Left Out: 51.922+/-0.011 χ^2/NDF:264241.0/13

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

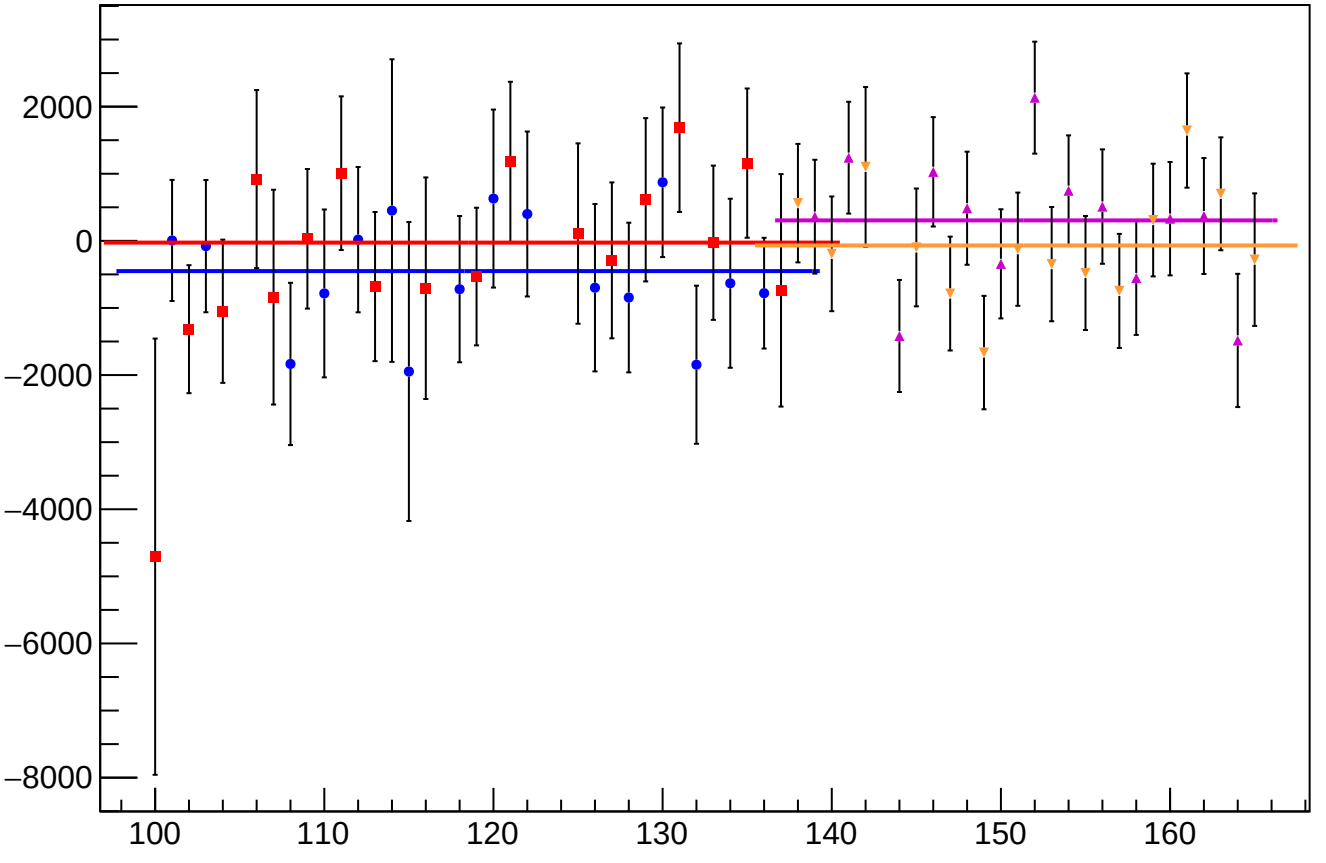
Left In: 51.420+/-0.011 χ^2/NDF:214267.9/12

+ sign 46.784+/-0.008 χ^2/NDF: 2198857.6/29

All: 46.008+/-0.006 χ^2/NDF: 4848709.7/60

- sign 45.274+/-0.008 χ^2/NDF: 2632060.6/30

reg_asym_us_dd_mean vs Slug



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

Left Out: -68.867+/-234.169 χ^2/NDF:11.9/13

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

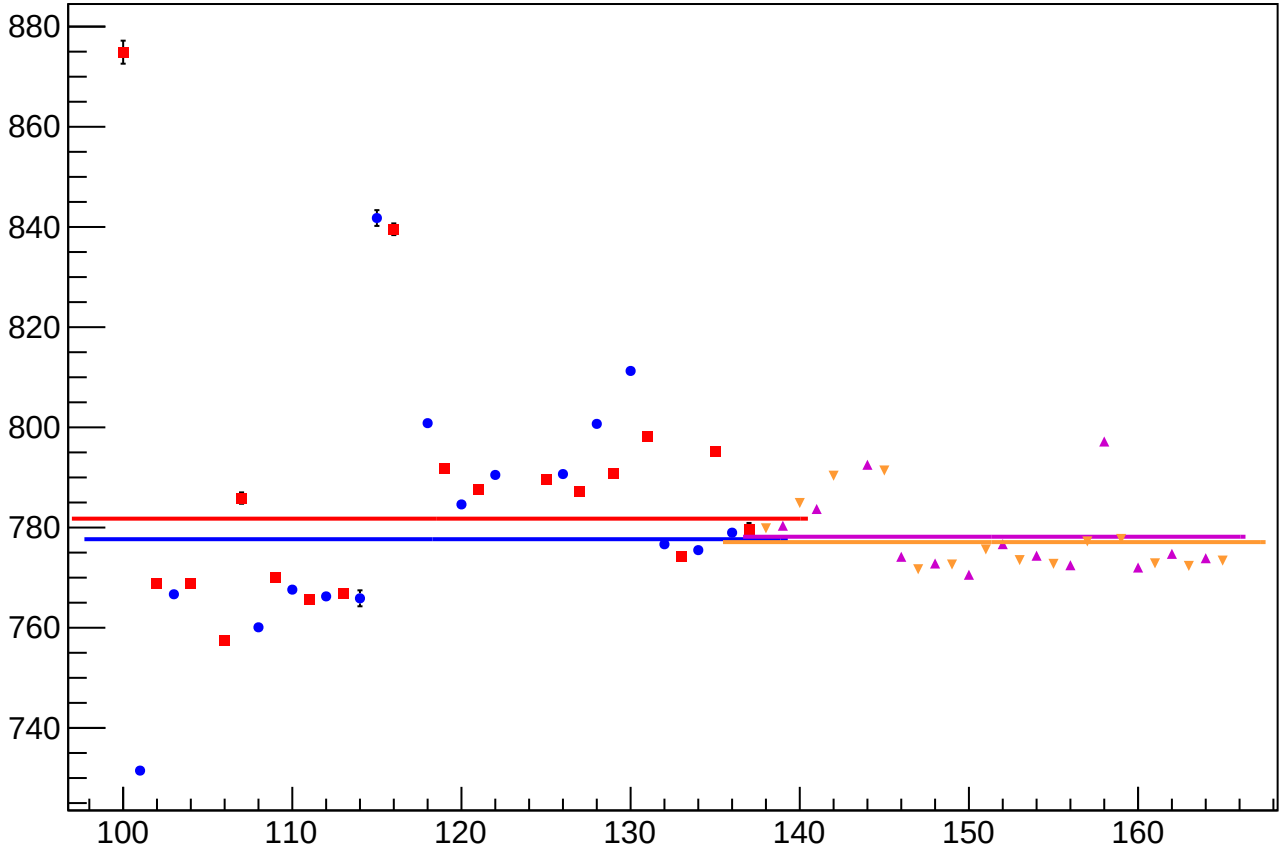
Left In: 304.814+/-234.943 χ^2/NDF:16.4/12

+ sign -220.332+/-181.928 χ^2/NDF: 19.9/29

All: -24.004+/-128.693 χ^2/NDF: 51.1/60

- sign 172.633+/-182.071 χ^2/NDF: 28.9/30

reg_asym_us_dd_rms vs Slug



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

Left Out: 777.094+/-0.166 χ^2/NDF:1338.8/13

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

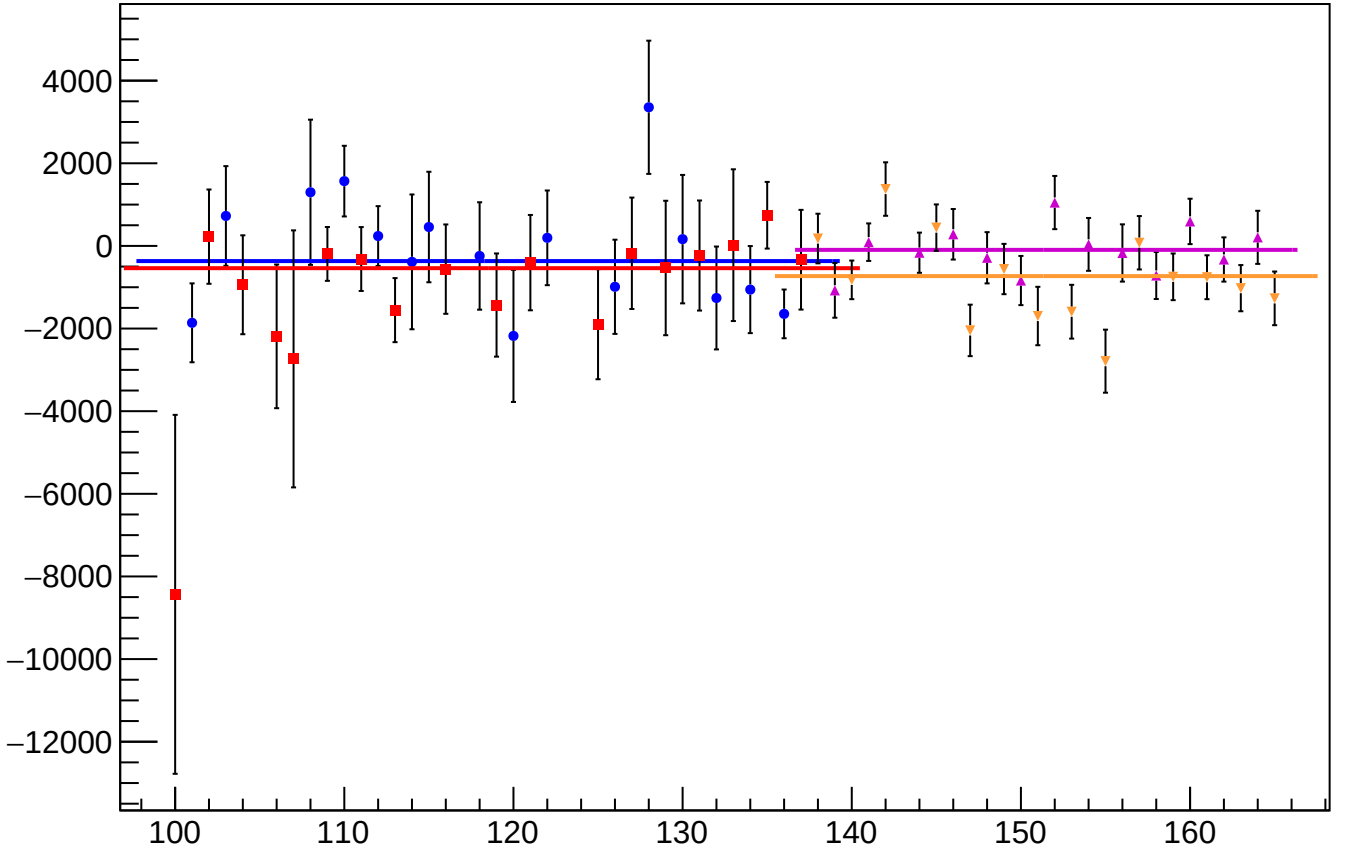
Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

+ sign 777.324+/-0.129 χ^2/NDF: 13399.1/29

All: 778.466+/-0.091 χ^2/NDF: 23683.6/60

- sign 779.609+/-0.129 χ^2/NDF: 10126.8/30

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -730.710+/-160.317 χ^2/NDF:35.3/13

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

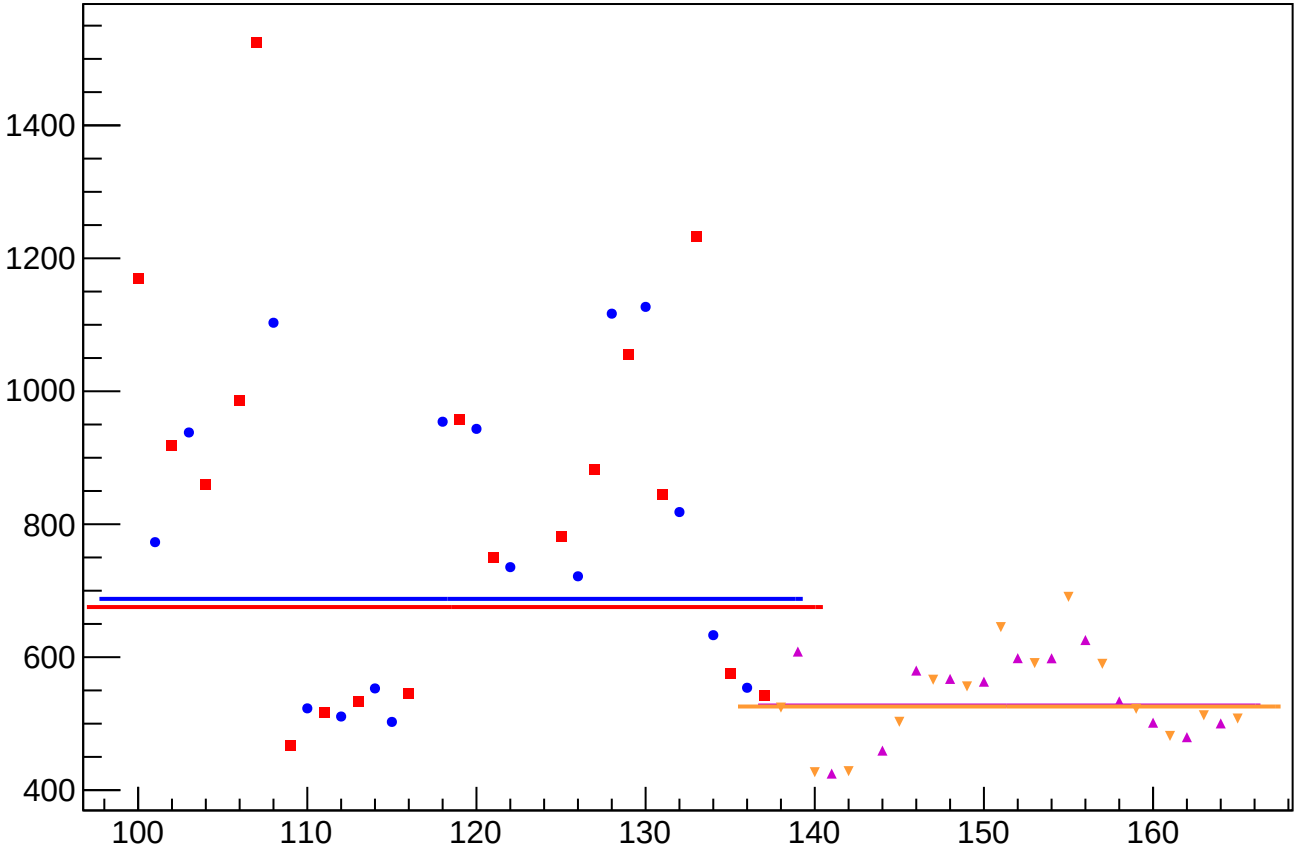
Left In: -95.621+/-160.716 χ^2/NDF:10.8/12

+ sign -634.173+/-137.403 χ^2/NDF: 59.9/29

All: -424.764+/-97.060 χ^2/NDF: 89.1/60

- sign -216.204+/-137.124 χ^2/NDF: 24.5/30

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 525.796+/-0.113 χ^2/NDF:358408.5/13

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

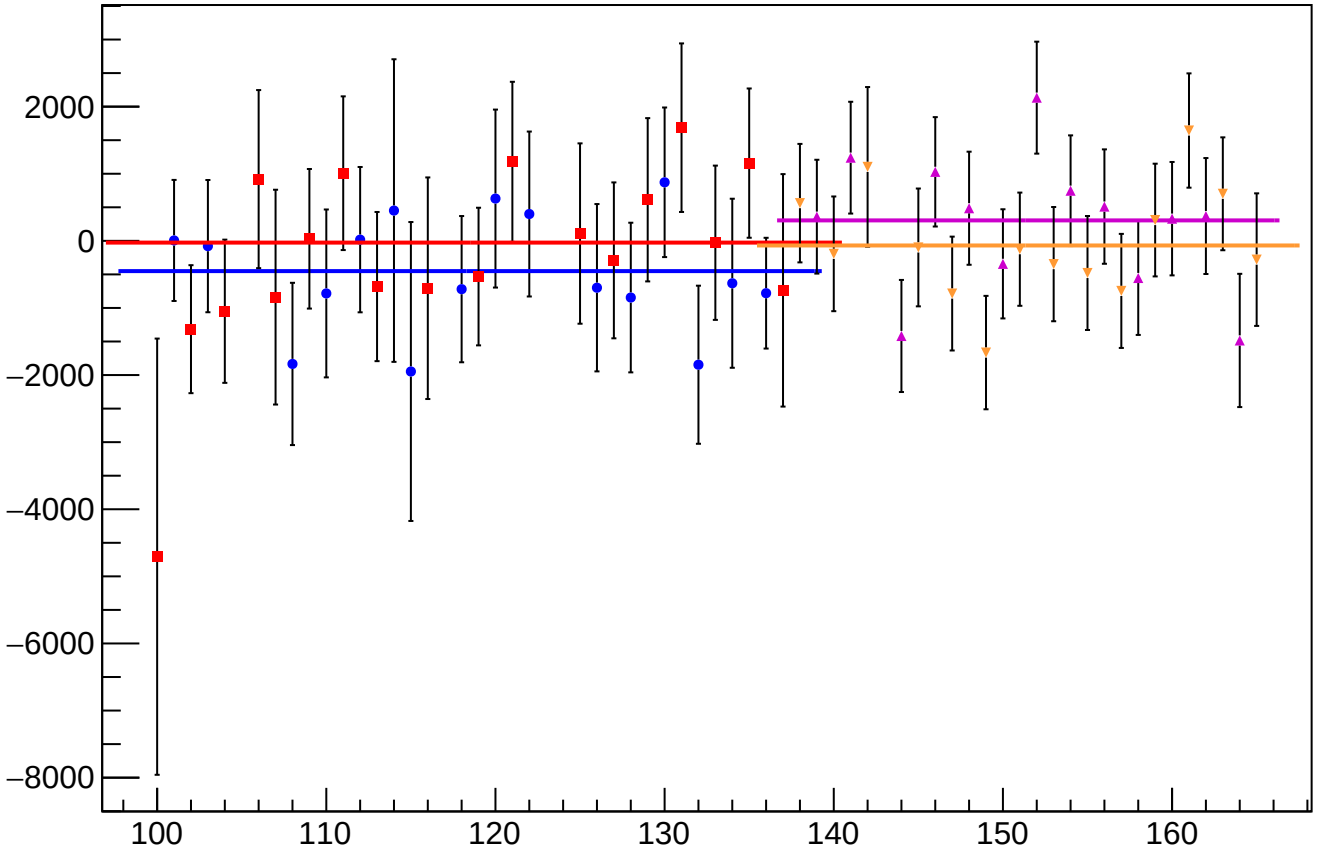
Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

+ sign 568.775+/-0.097 χ^2/NDF: 1931849.1/29

All: 568.191+/-0.069 χ^2/NDF: 4021601.4/60

- sign 567.610+/-0.097 χ^2/NDF: 2089680.3/30

cor_asym_us_dd_mean vs Slug



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

Left Out: -68.867+/-234.169 χ^2/NDF:11.9/13

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

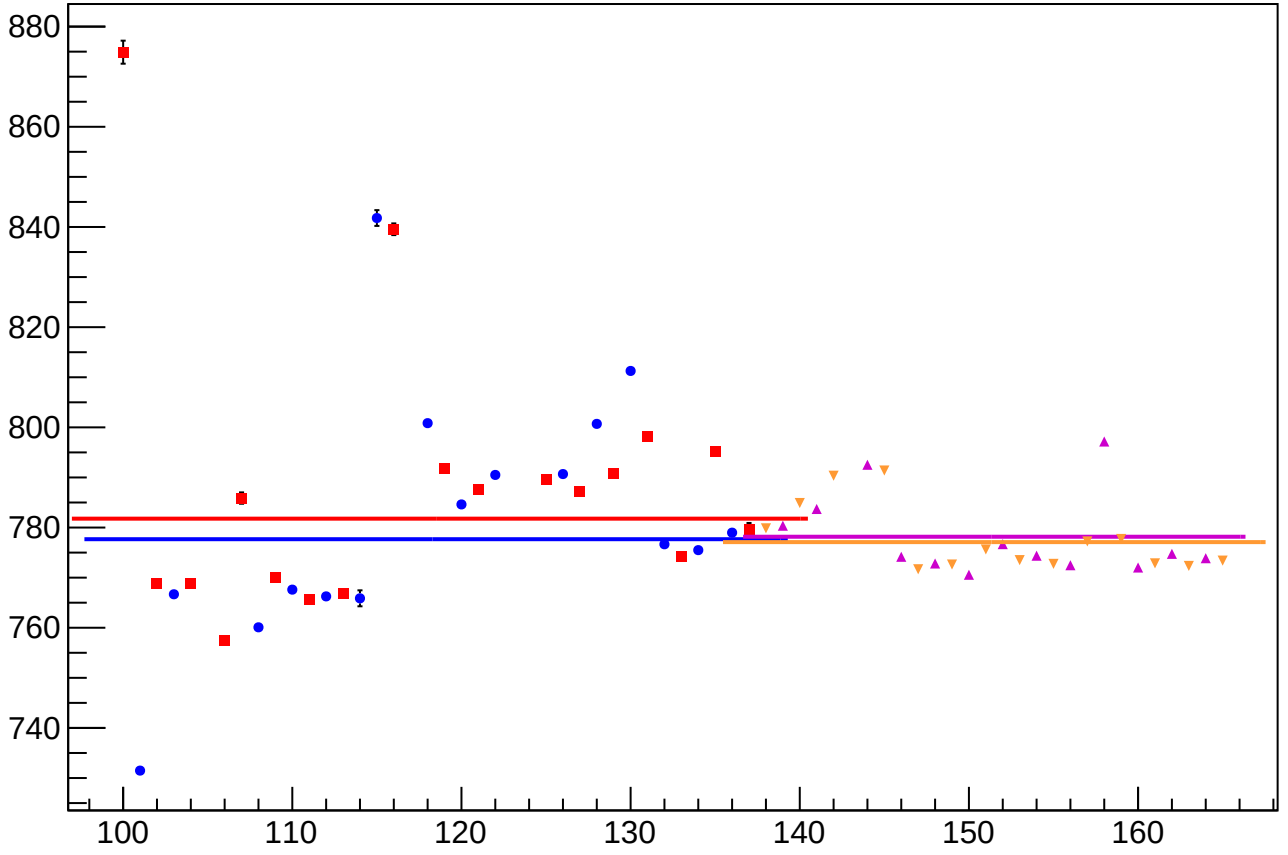
Left In: 304.814+/-234.943 χ^2/NDF:16.4/12

+ sign -220.332+/-181.928 χ^2/NDF: 19.9/29

All: -24.004+/-128.693 χ^2/NDF: 51.1/60

- sign 172.633+/-182.071 χ^2/NDF: 28.9/30

cor_asym_us_dd_rms vs Slug



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

Left Out: 777.094+/-0.166 χ^2/NDF:1338.8/13

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

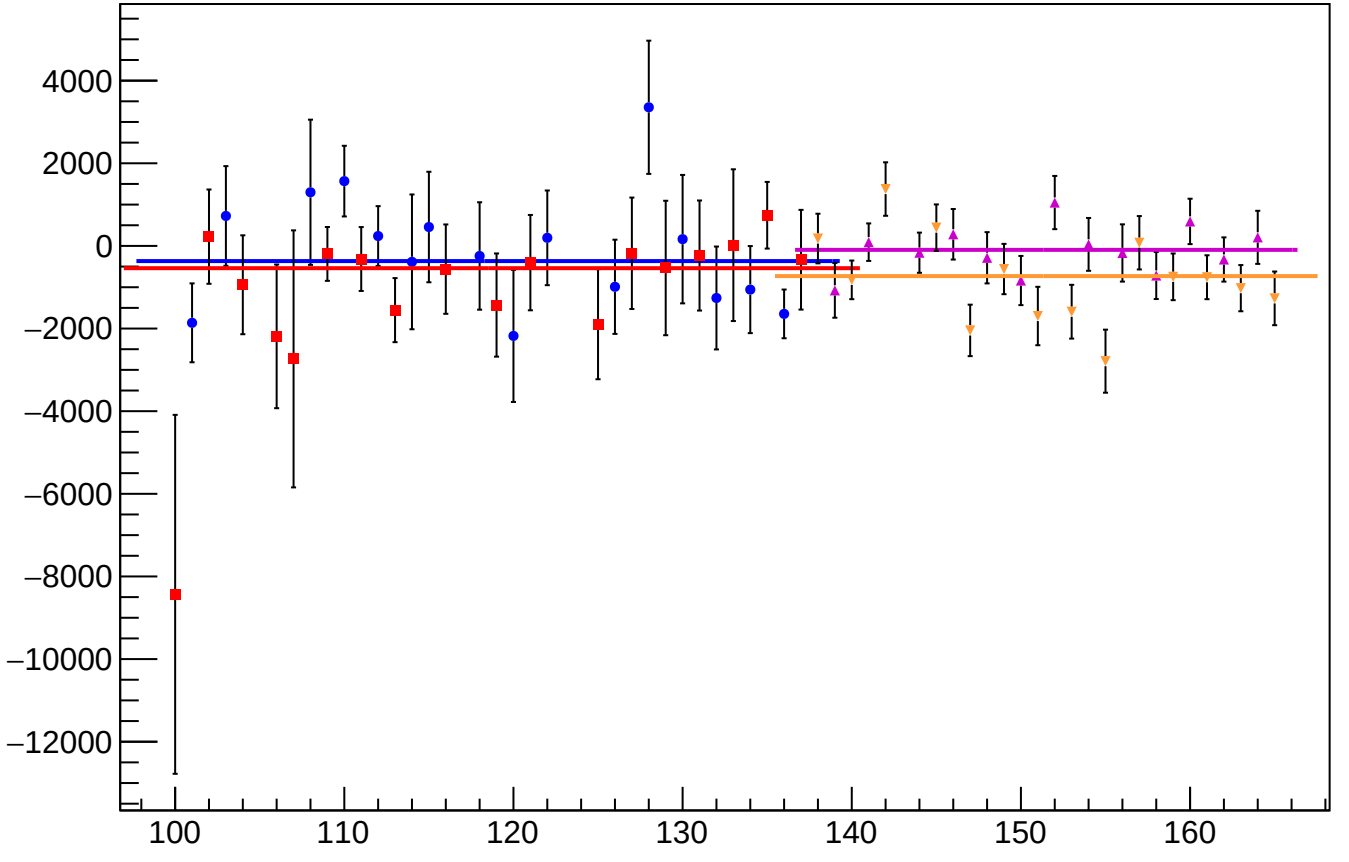
Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

+ sign 777.324+/-0.129 χ^2/NDF: 13399.1/29

All: 778.466+/-0.091 χ^2/NDF: 23683.6/60

- sign 779.609+/-0.129 χ^2/NDF: 10126.8/30

asym_us_dd_cor_correction_mean vs Slug



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

Left Out: -730.710+/-160.317 χ^2/NDF:35.3/13

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

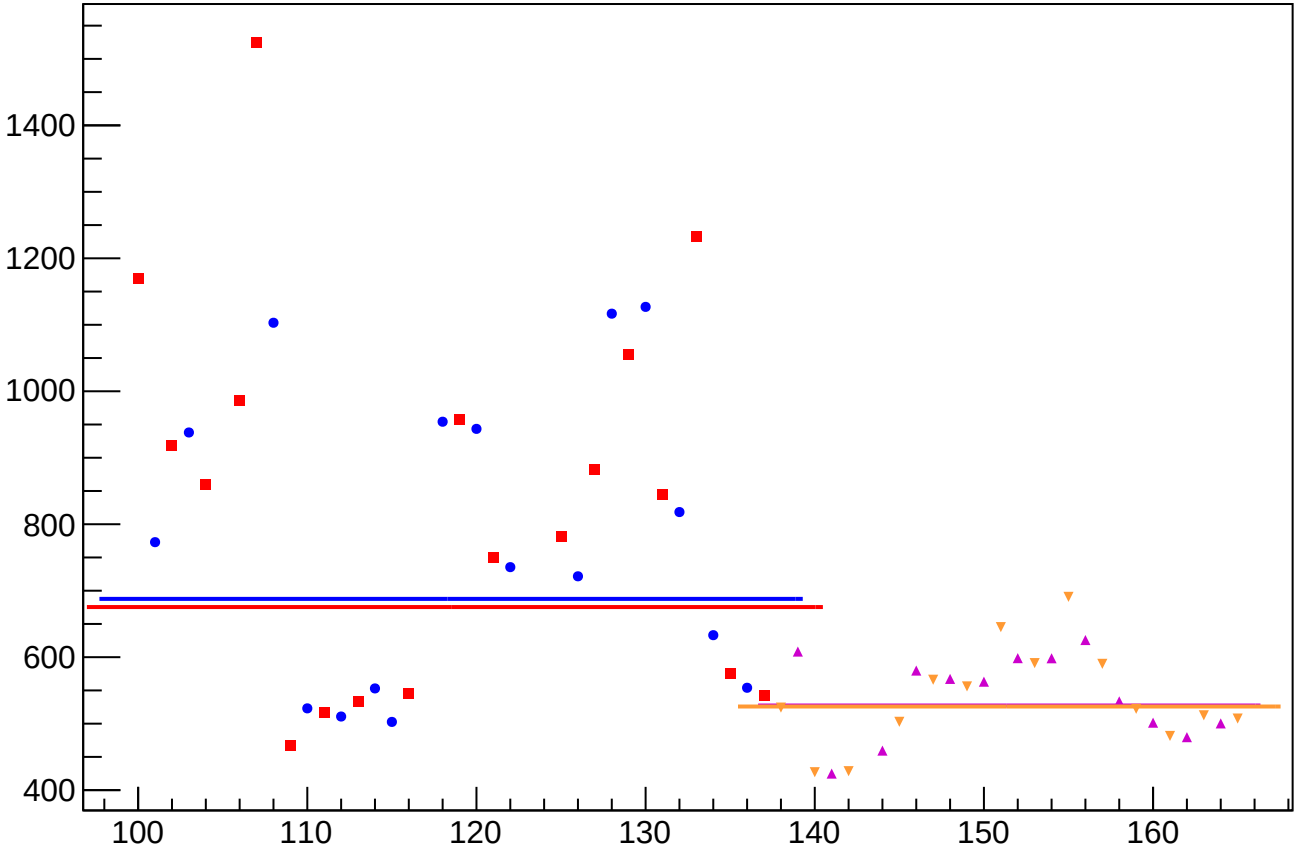
Left In: -95.621+/-160.716 χ^2/NDF:10.8/12

+ sign -634.173+/-137.403 χ^2/NDF: 59.9/29

All: -424.764+/-97.060 χ^2/NDF: 89.1/60

- sign -216.204+/-137.124 χ^2/NDF: 24.5/30

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 525.796+/-0.113 χ^2/NDF:358408.5/13

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

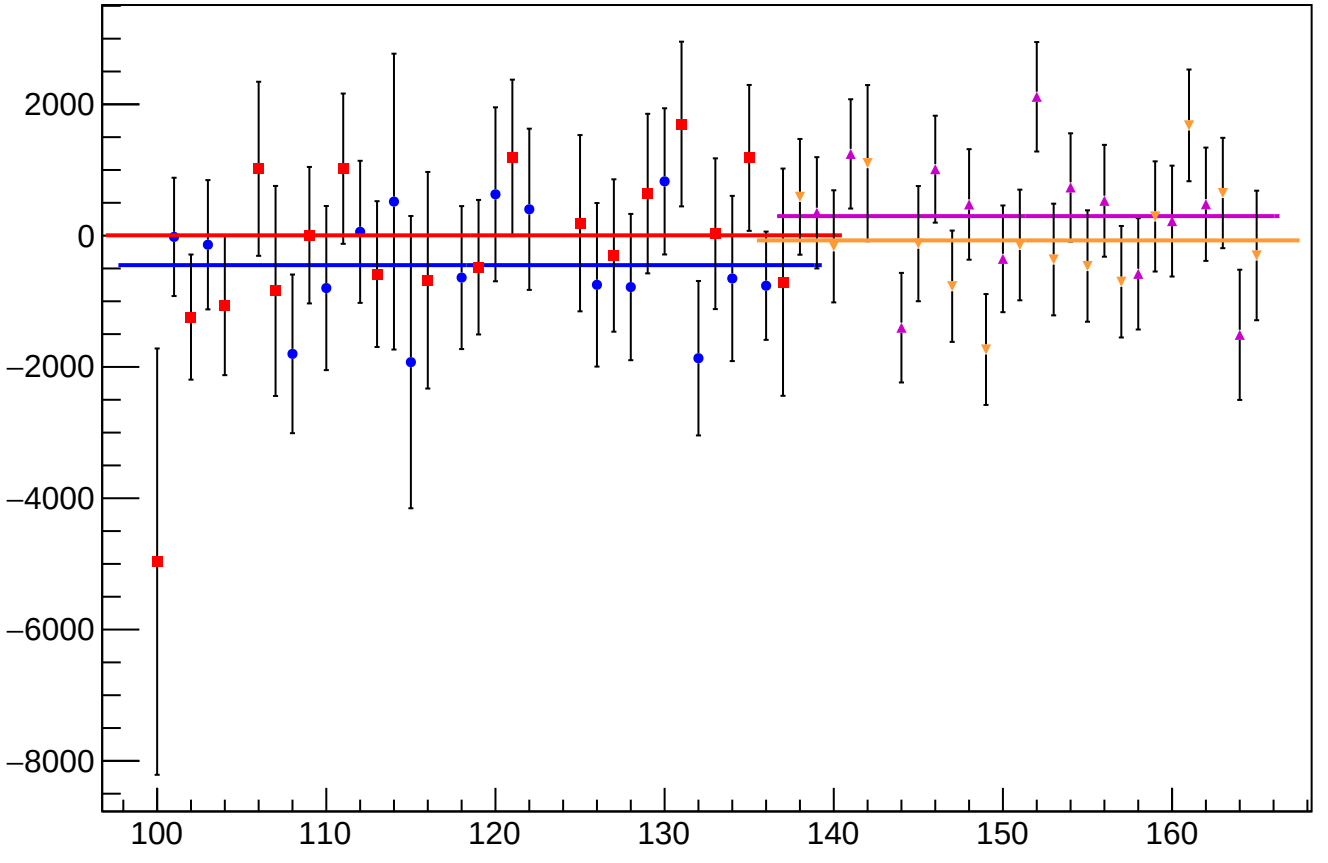
Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

+ sign 568.775+/-0.097 χ^2/NDF: 1931849.1/29

All: 568.191+/-0.069 χ^2/NDF: 4021601.4/60

- sign 567.610+/-0.097 χ^2/NDF: 2089680.3/30

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -72.347+/-233.959 χ^2/NDF:12.2/13

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

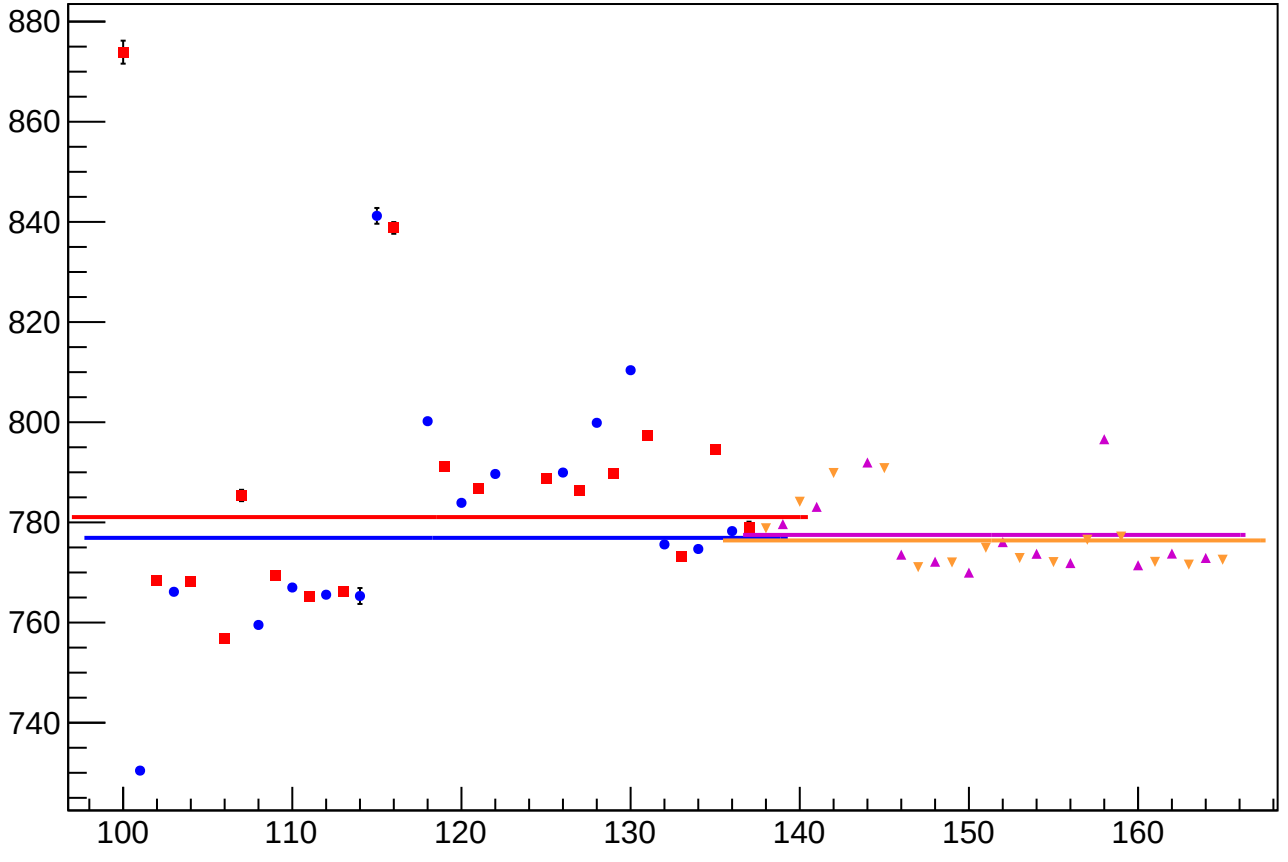
Left In: 297.300+/-234.743 χ^2/NDF:16.5/12

+ sign -221.843+/-181.759 χ^2/NDF: 20.0/29

All: -20.894+/-128.577 χ^2/NDF: 51.4/60

- sign 180.392+/-181.911 χ^2/NDF: 28.9/30

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 776.398+/-0.165 χ^2/NDF:1351.3/13

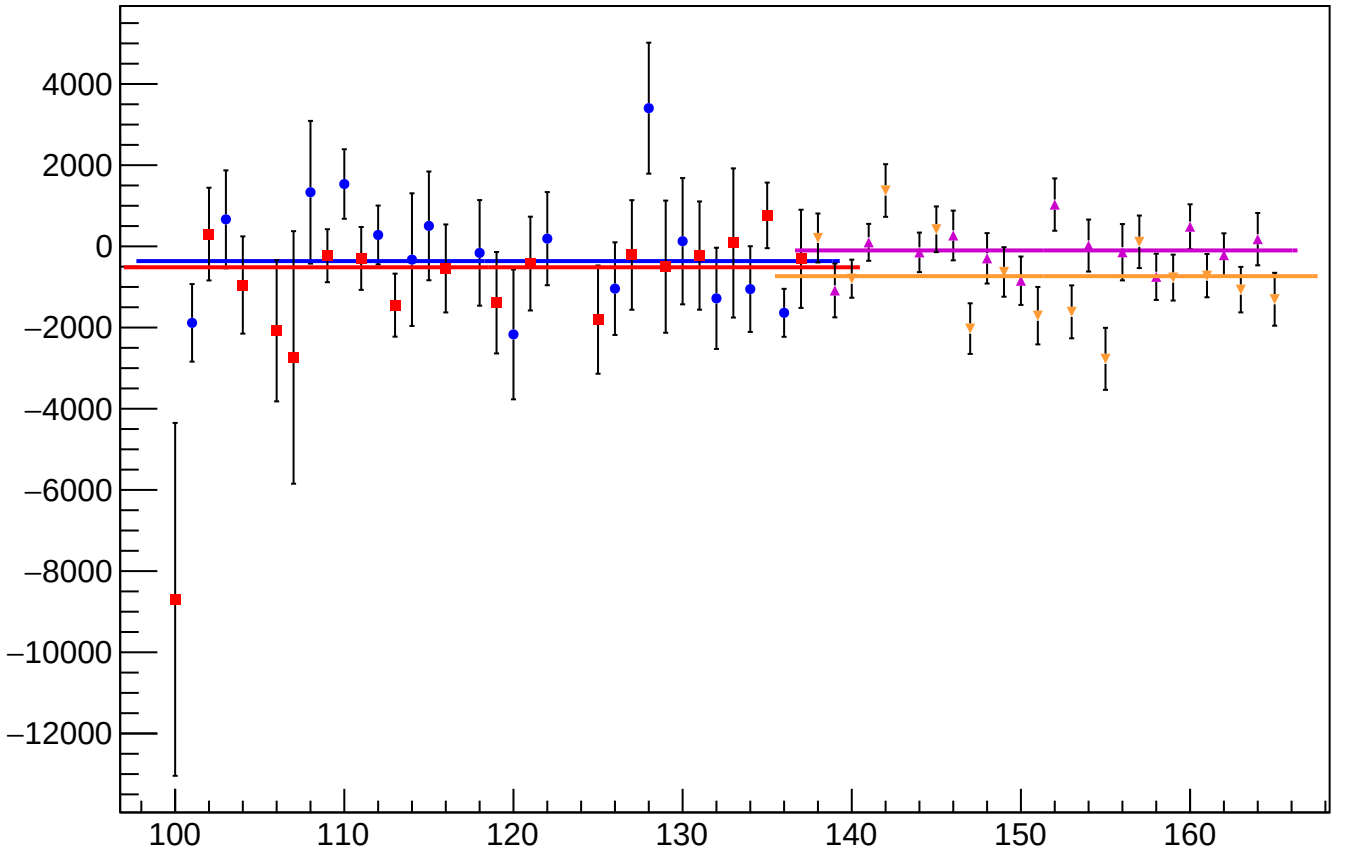
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 777.503+/-0.166 χ^2/NDF:2336.7/12

+ sign 776.602+/-0.129 χ^2/NDF: 13478.7/29

All: 777.762+/-0.091 χ^2/NDF: 23747.8/60

- sign 778.924+/-0.129 χ^2/NDF: 10106.1/30



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

Left Out: -734.541+/-160.653 χ^2/NDF:35.2/13

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

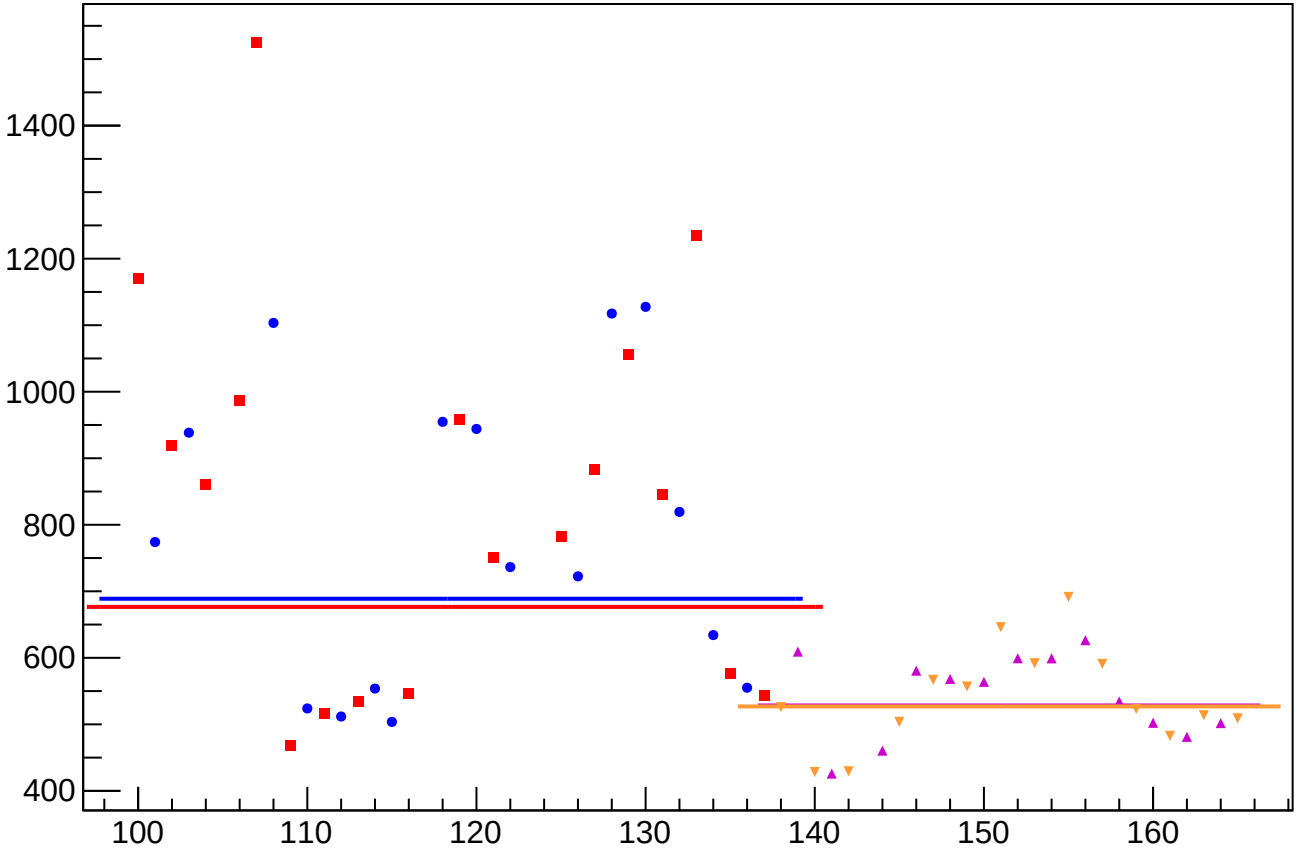
Left In: -99.996+/-161.033 χ^2/NDF:10.2/12

\+ sign -635.779+/-137.668 χ^2/NDF: 60.0/29

All: -423.968+/-97.243 χ^2/NDF: 88.2/60

\- sign -213.050+/-137.377 χ^2/NDF: 23.4/30

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 526.952+/-0.114 χ^2/NDF:355371.9/13

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

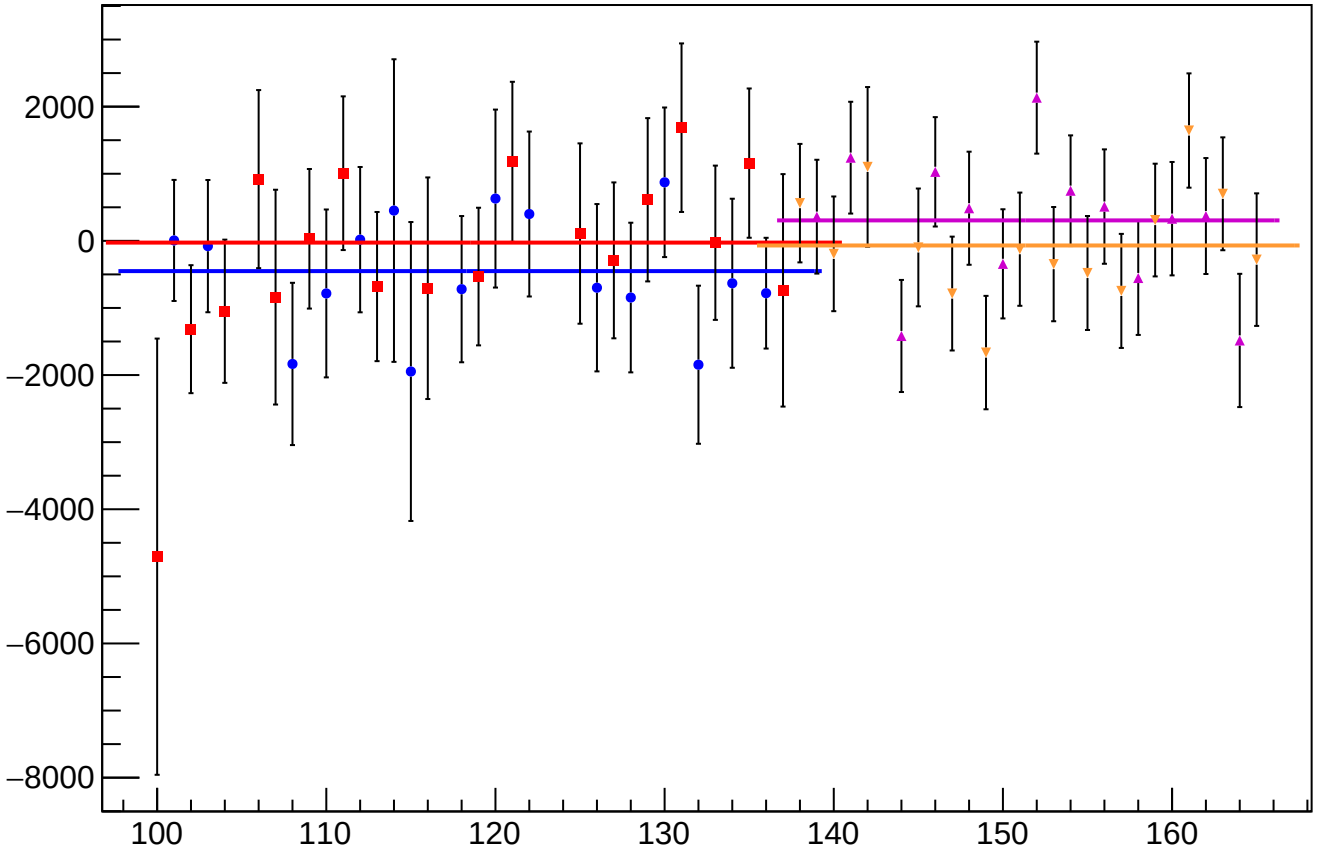
Left In: 528.407+/-0.114 χ^2/NDF:312110.6/12

+ sign 569.960+/-0.097 χ^2/NDF: 1922976.4/29

All: 569.349+/-0.069 χ^2/NDF: 4004107.3/60

- sign 568.741+/-0.097 χ^2/NDF: 2081052.4/30

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -68.867+/-234.169 χ^2/NDF:11.9/13

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

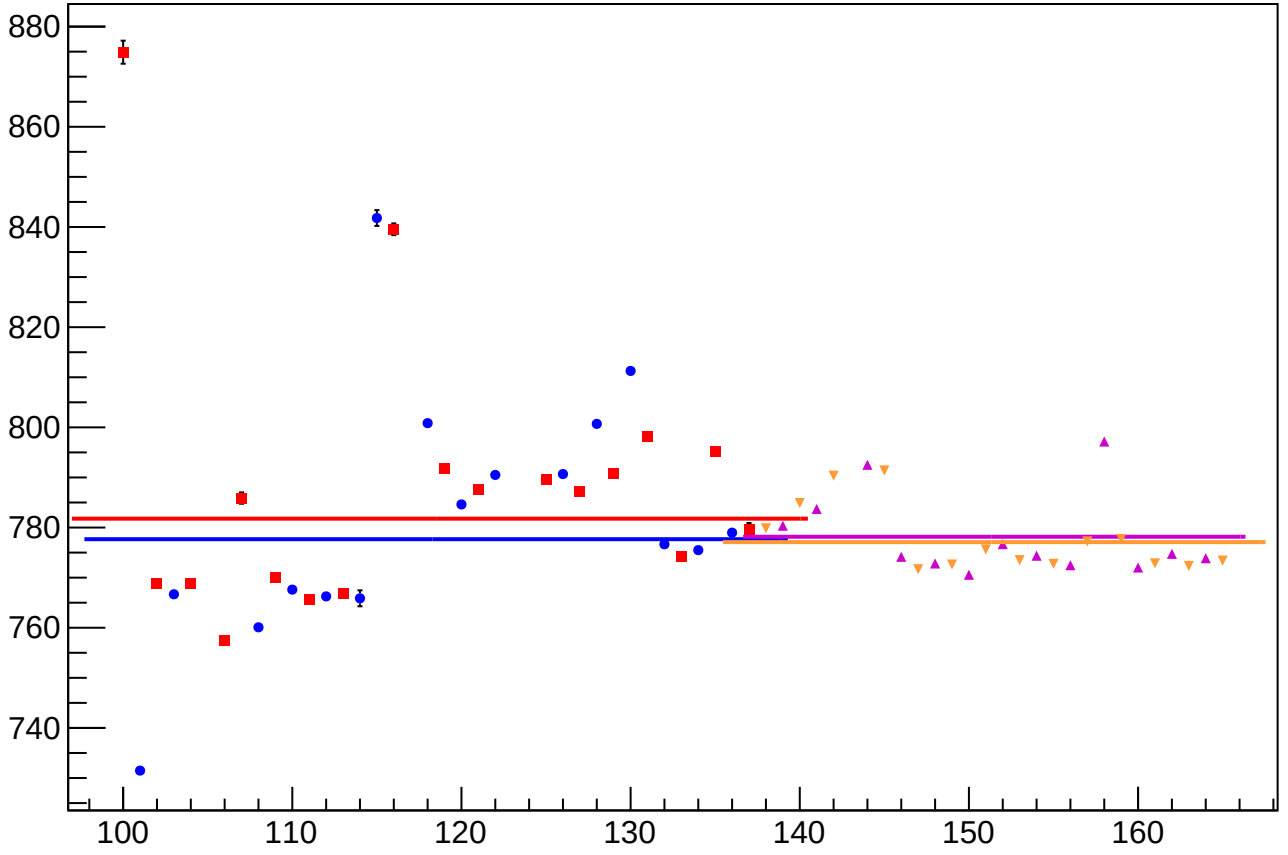
Left In: 304.814+/-234.943 χ^2/NDF:16.4/12

+ sign -220.332+/-181.928 χ^2/NDF: 19.9/29

All: -24.004+/-128.693 χ^2/NDF: 51.1/60

- sign 172.633+/-182.071 χ^2/NDF: 28.9/30

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 777.094+/-0.166 χ^2/NDF:1338.8/13

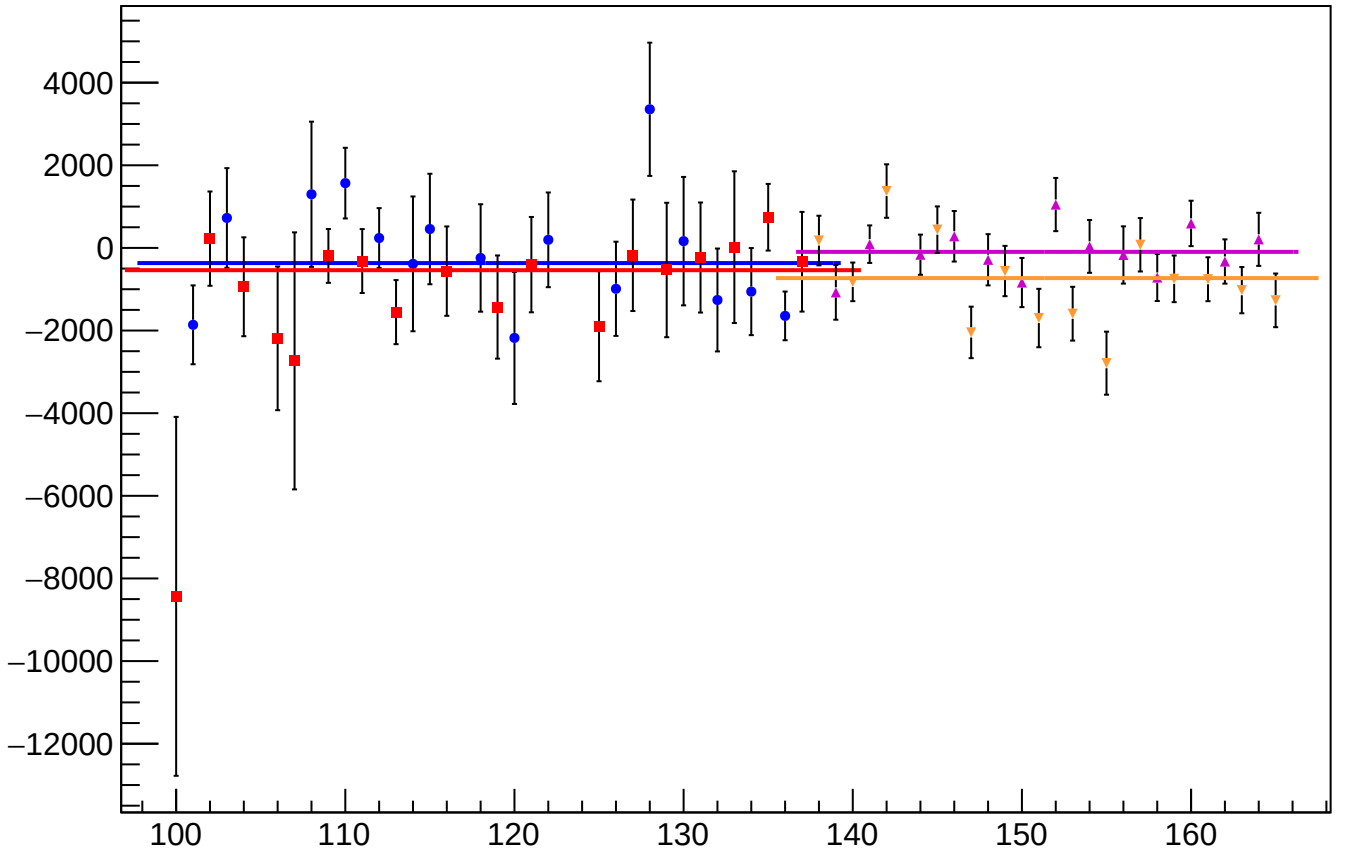
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

+ sign 777.324+/-0.129 χ^2/NDF: 13399.1/29

All: 778.466+/-0.091 χ^2/NDF: 23683.6/60

- sign 779.609+/-0.129 χ^2/NDF: 10126.8/30



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

Left Out: -730.710+/-160.317 χ^2/NDF:35.3/13

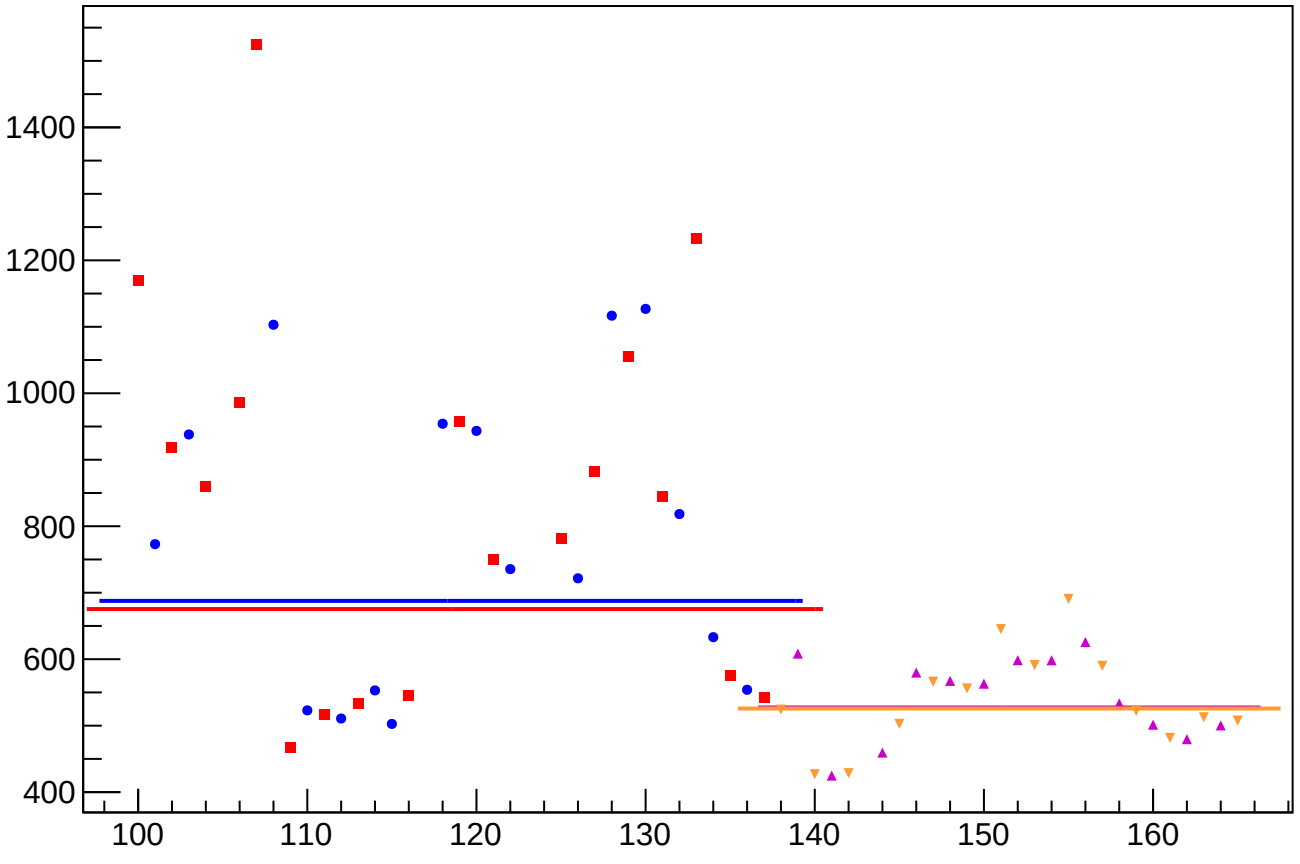
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -95.621+/-160.716 χ^2/NDF:10.8/12

+ sign -634.173+/-137.403 χ^2/NDF: 59.9/29

All: -424.764+/-97.060 χ^2/NDF: 89.1/60

- sign -216.204+/-137.124 χ^2/NDF: 24.5/30



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

Left Out: 525.796+/-0.113 χ^2/NDF:358408.5/13

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

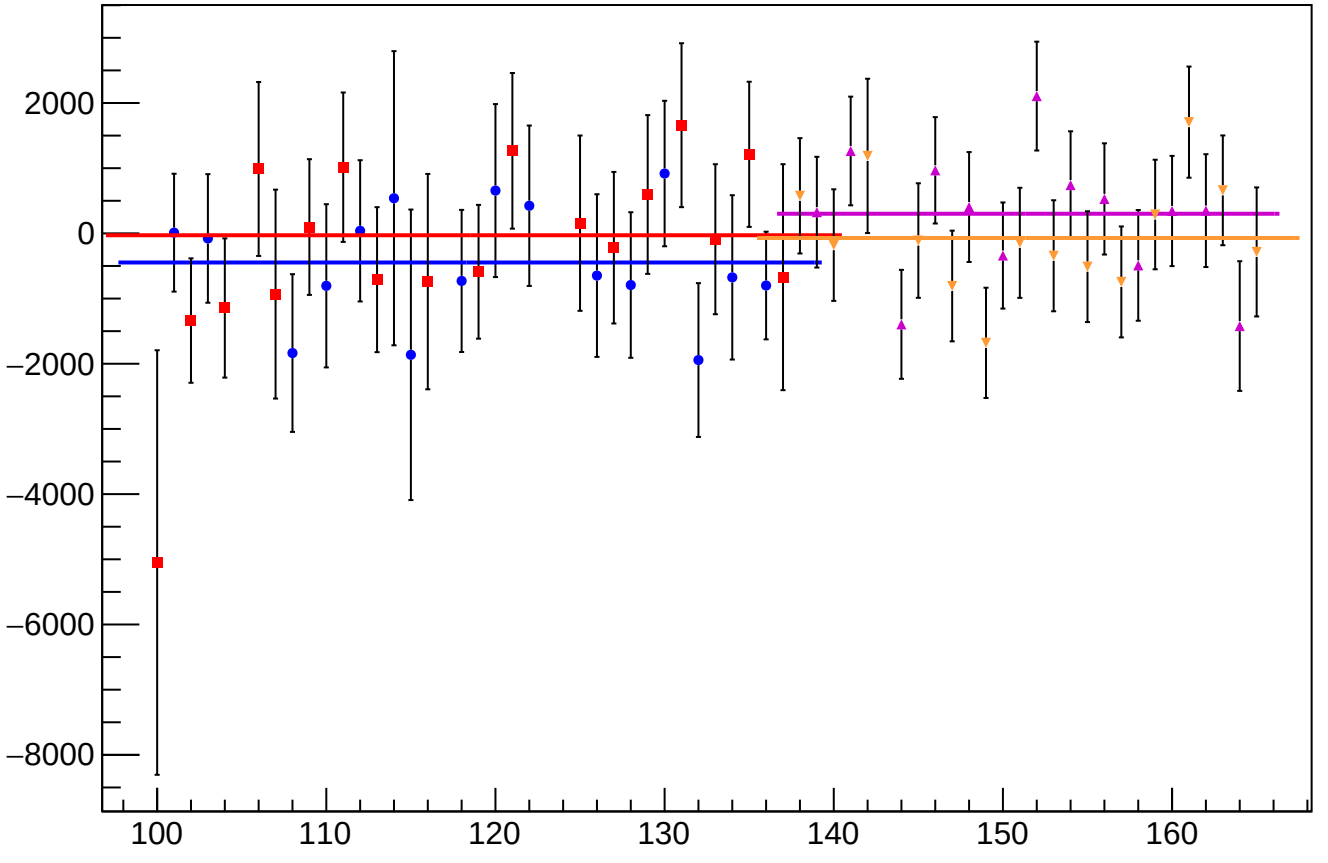
Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

+ sign 568.775+/-0.097 χ^2/NDF: 1931849.1/29

All: 568.191+/-0.069 χ^2/NDF: 4021601.4/60

- sign 567.610+/-0.097 χ^2/NDF: 2089680.3/30

dit_asym_us_dd_mean vs Slug



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

Left Out: -70.631+/-234.358 χ^2/NDF:12.4/13

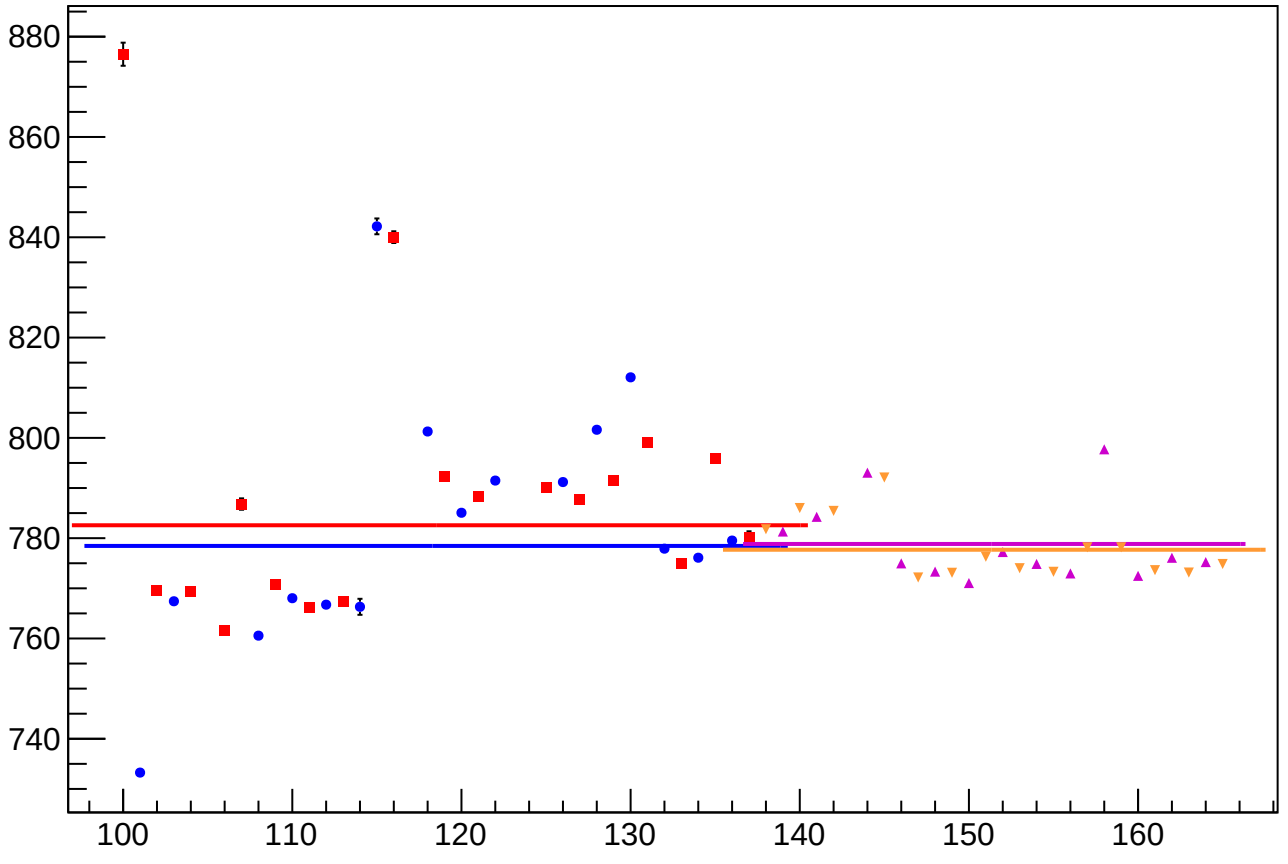
Right Out: -28.787+/-288.372 χ^2/NDF: 12.6/17

Left In: 301.091+/-235.149 χ^2/NDF:15.7/12

+ sign -219.660+/-182.088 χ^2/NDF: 20.7/29

All: -25.319+/-128.809 χ^2/NDF: 52.1/60

- sign 169.345+/-182.240 χ^2/NDF: 29.1/30



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

Left Out: 777.693+/-0.166 χ^2/NDF:1216.8/13

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

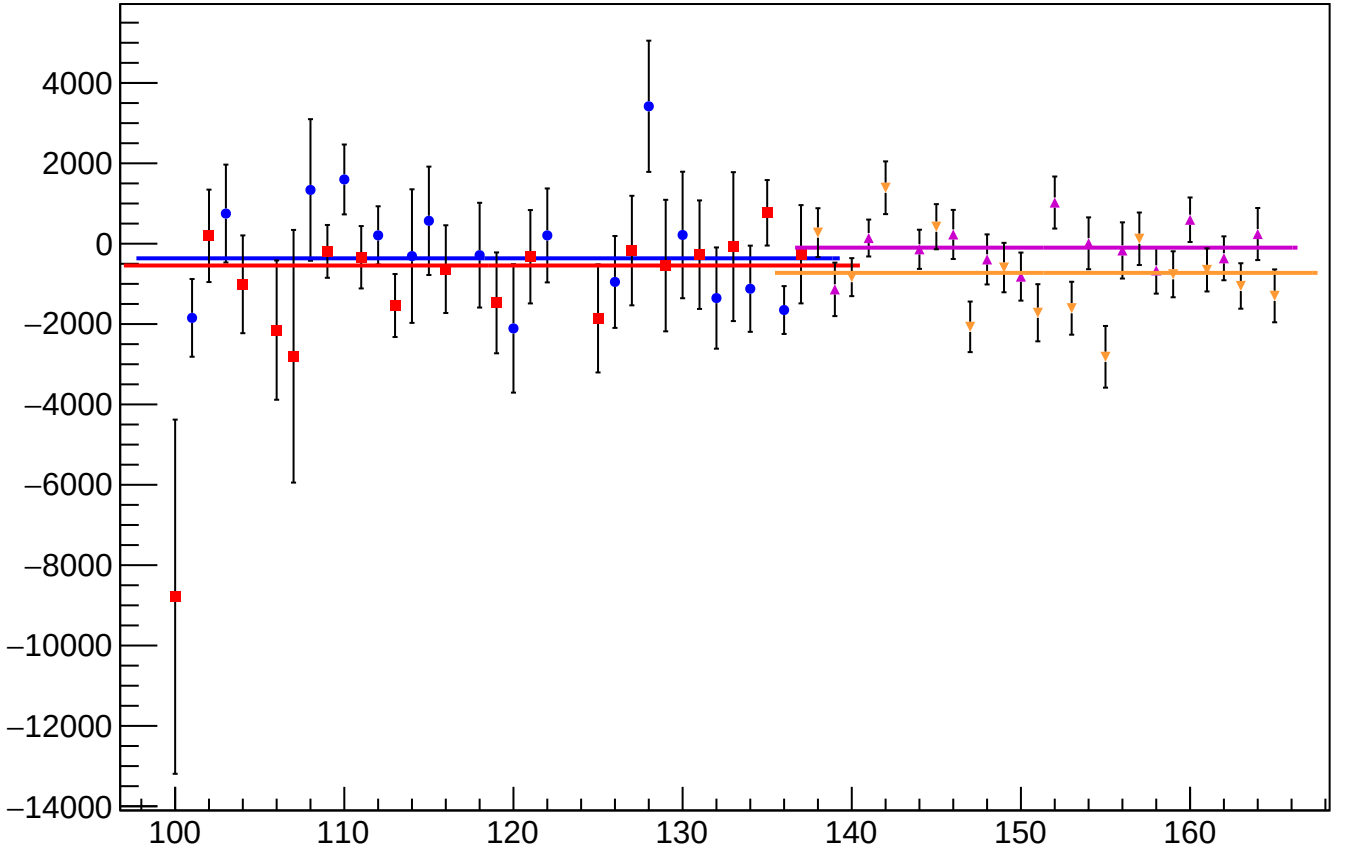
Left In: 778.847+/-0.166 χ^2/NDF:2290.0/12

+ sign 777.995+/-0.129 χ^2/NDF: 13020.4/29

All: 779.165+/-0.091 χ^2/NDF: 23157.7/60

- sign 780.336+/-0.129 χ^2/NDF: 9972.2/30

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -726.028+/-161.944 χ^2/NDF:35.9/13

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

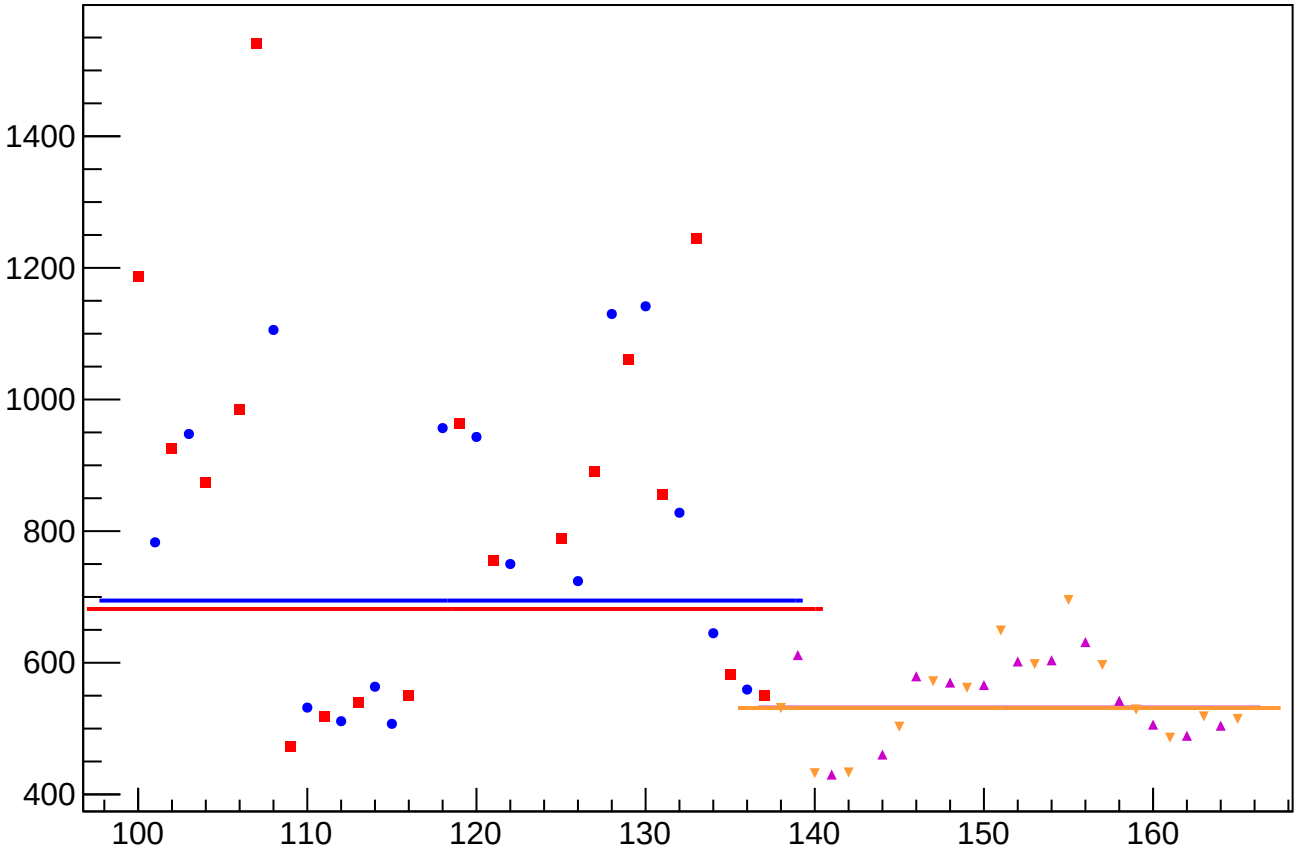
Left In: -98.494+/-162.052 χ^2/NDF:10.8/12

+ sign -629.882+/-138.785 χ^2/NDF: 60.5/29

All: -423.838+/-97.960 χ^2/NDF: 89.5/60

- sign -219.262+/-138.290 χ^2/NDF: 24.6/30

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 531.230+/-0.115 χ^2/NDF:354049.7/13

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

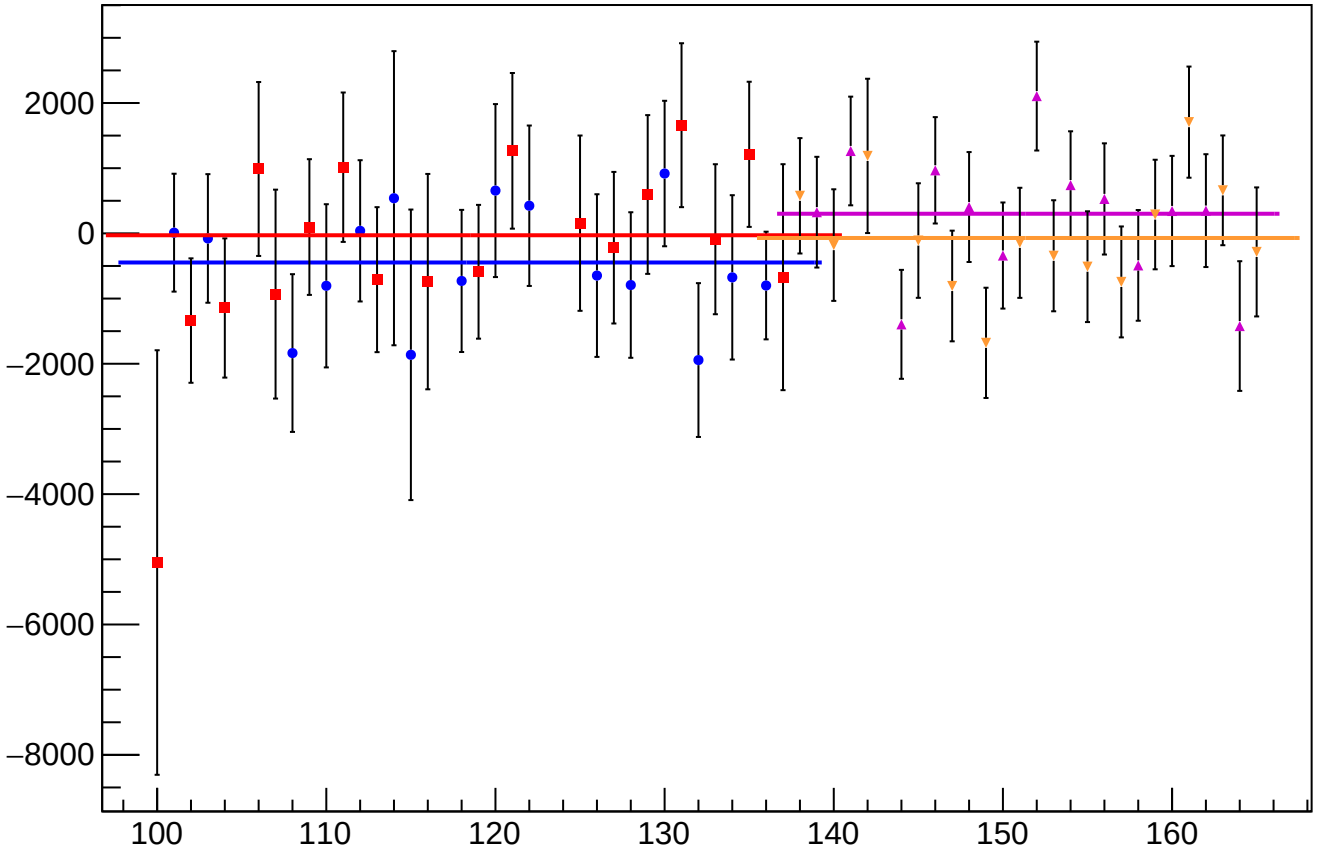
Left In: 531.899+/-0.115 χ^2/NDF:305800.1/12

+ sign 574.594+/-0.098 χ^2/NDF: 1923938.4/29

All: 573.604+/-0.069 χ^2/NDF: 4005987.7/60

- sign 572.622+/-0.098 χ^2/NDF: 2081846.7/30

eigen_dit_asym_us_dd_mean vs Slug



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

Left Out: -70.631+/-234.358 χ^2/NDF:12.4/13

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

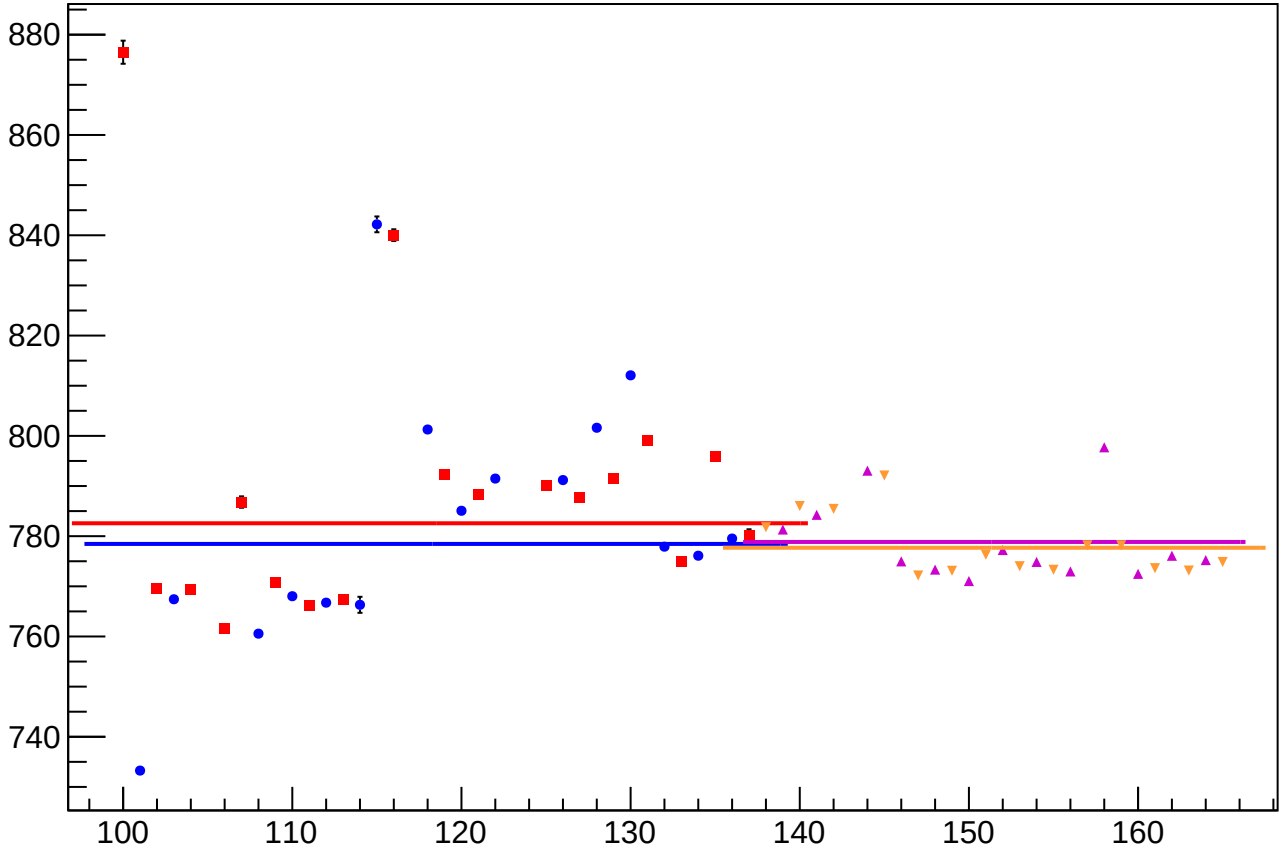
Left In: 301.090+/-235.149 χ^2/NDF:15.7/12

+ sign -219.660+/-182.088 χ^2/NDF: 20.7/29

All: -25.320+/-128.809 χ^2/NDF: 52.1/60

- sign 169.346+/-182.240 χ^2/NDF: 29.1/30

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 777.693+/-0.166 χ^2/NDF:1216.8/13

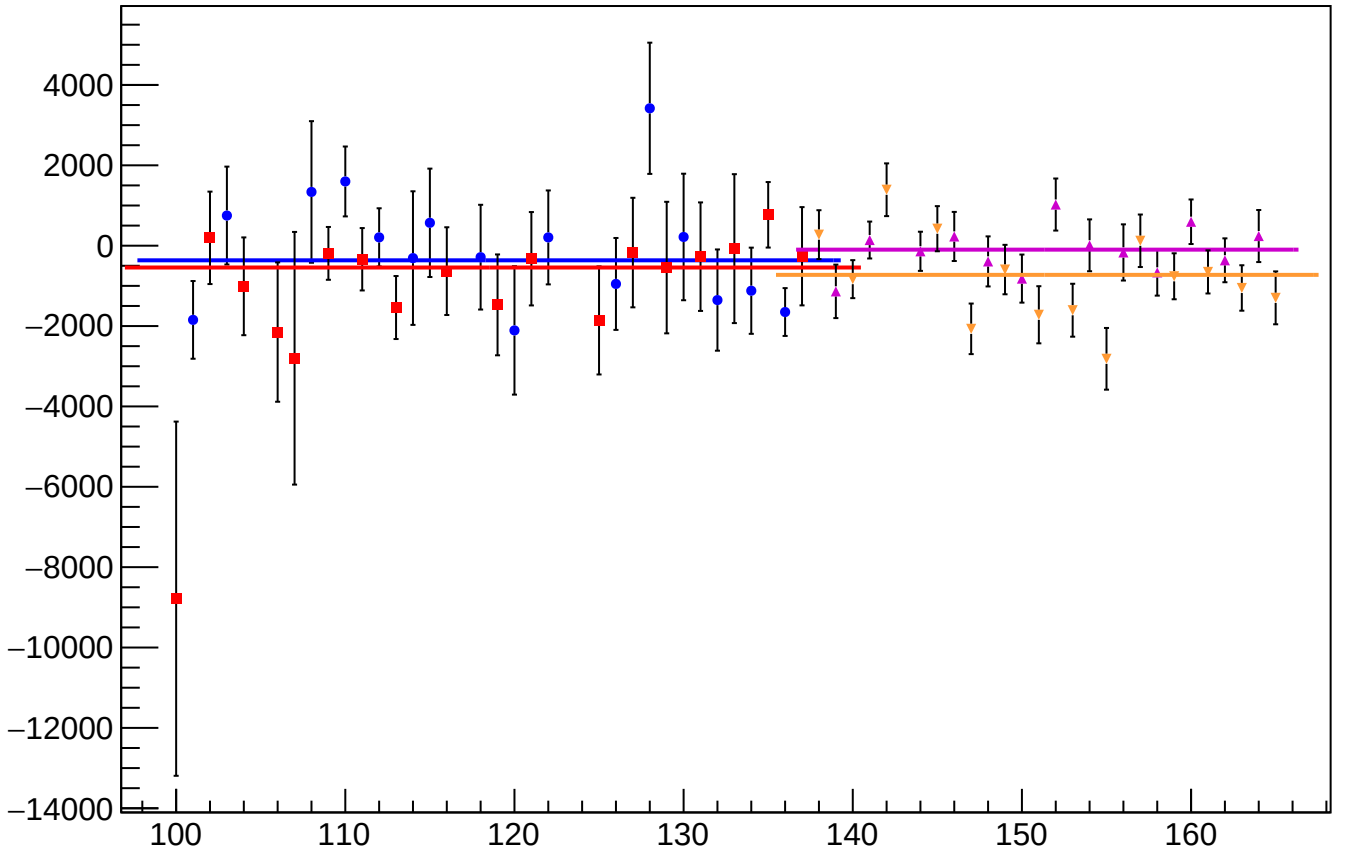
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.847+/-0.166 χ^2/NDF:2290.0/12

+ sign 777.995+/-0.129 χ^2/NDF: 13020.4/29

All: 779.165+/-0.091 χ^2/NDF: 23157.6/60

- sign 780.336+/-0.129 χ^2/NDF: 9972.2/30



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

Left Out: -726.027+/-161.944 χ^2/NDF:35.9/13

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

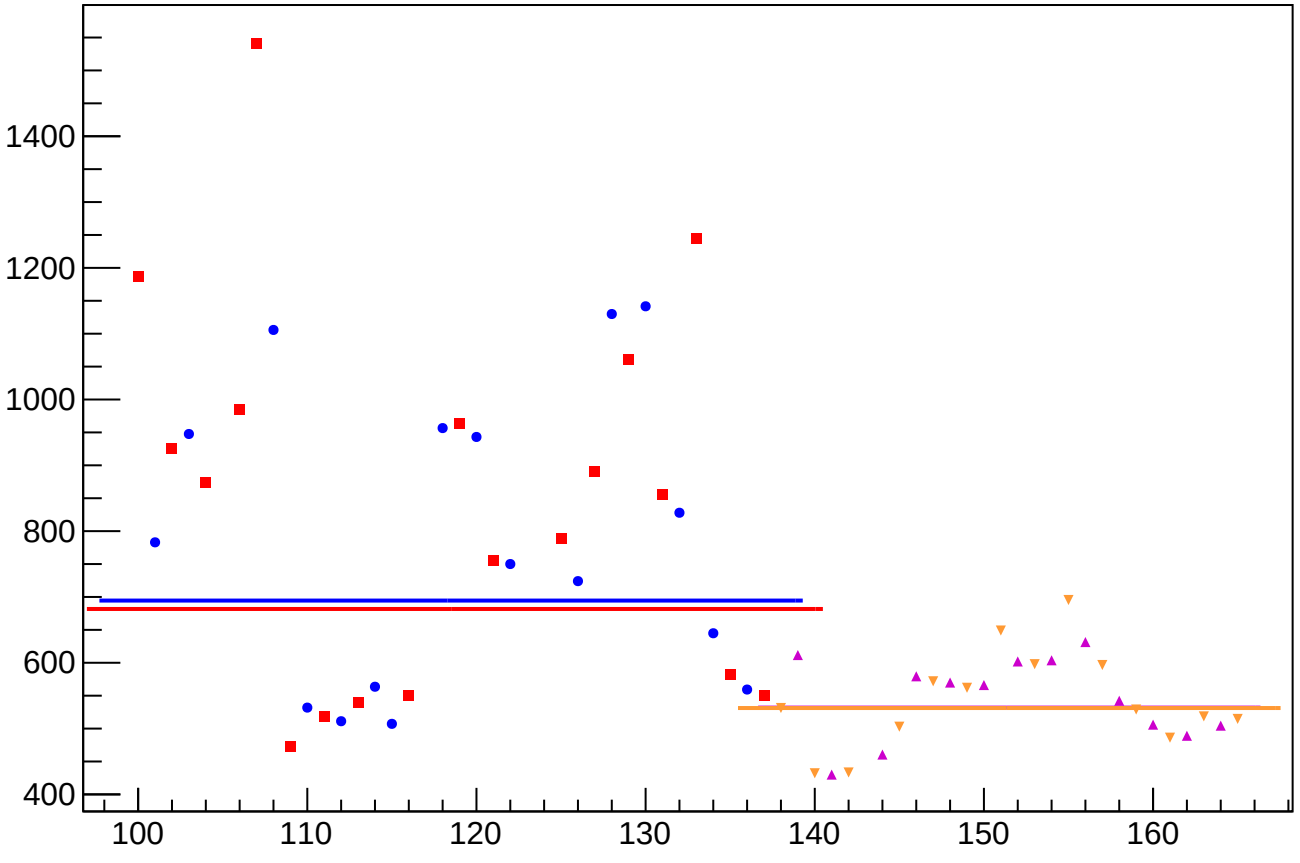
Left In: -98.493+/-162.052 χ^2/NDF:10.8/12

+ sign -629.880+/-138.785 χ^2/NDF: 60.5/29

All: -423.837+/-97.960 χ^2/NDF: 89.5/60

- sign -219.262+/-138.289 χ^2/NDF: 24.6/30

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 531.230+/-0.115 χ^2/NDF:354062.3/13

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

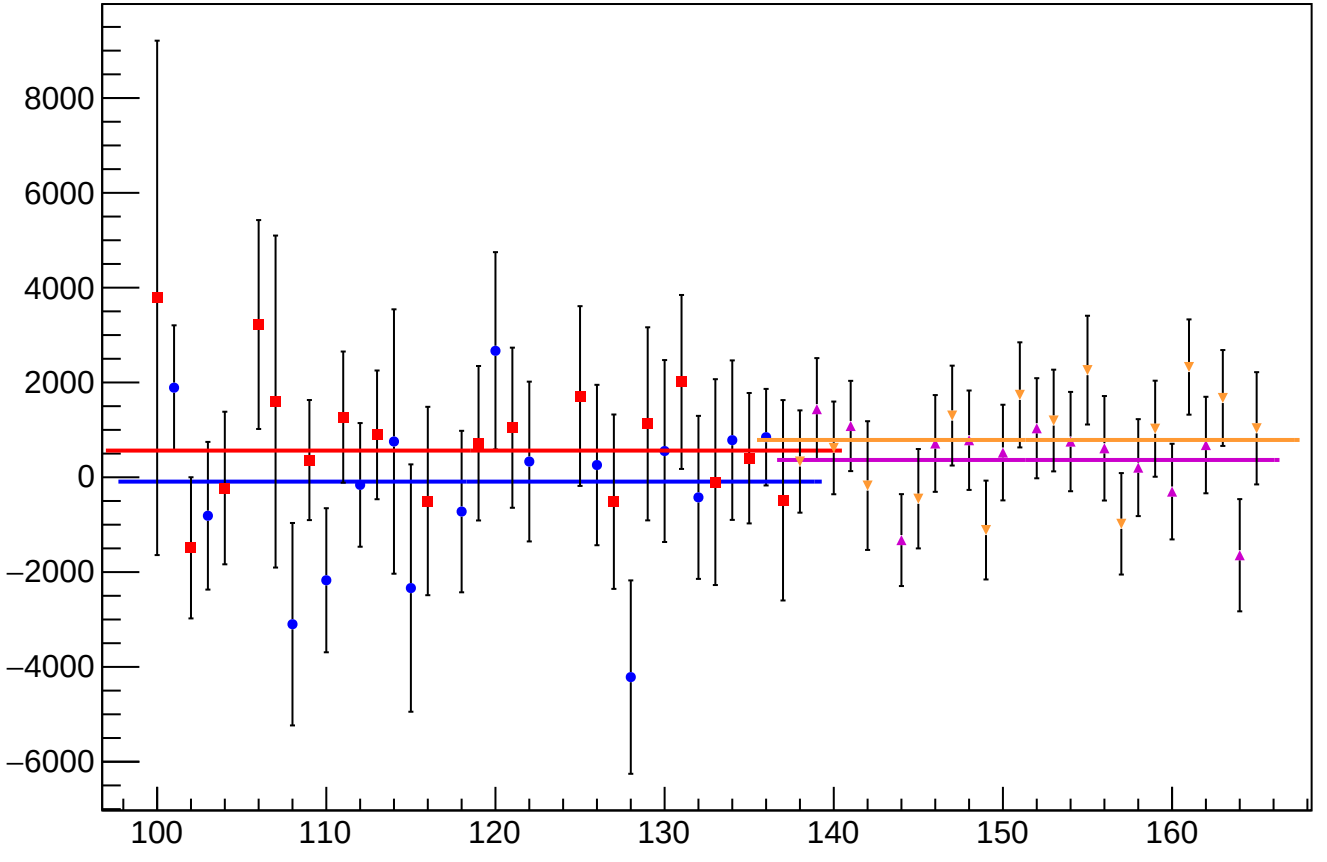
Left In: 531.900+/-0.115 χ^2/NDF:305812.5/12

\+ sign 574.593+/-0.098 χ^2/NDF: 1923943.1/29

All: 573.604+/-0.069 χ^2/NDF: 4006006.0/60

\- sign 572.621+/-0.098 χ^2/NDF: 2081860.4/30

asym_us_dd_mean vs Slug



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

Left Out: 787.335+/-286.890 χ^2/NDF:14.1/13

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

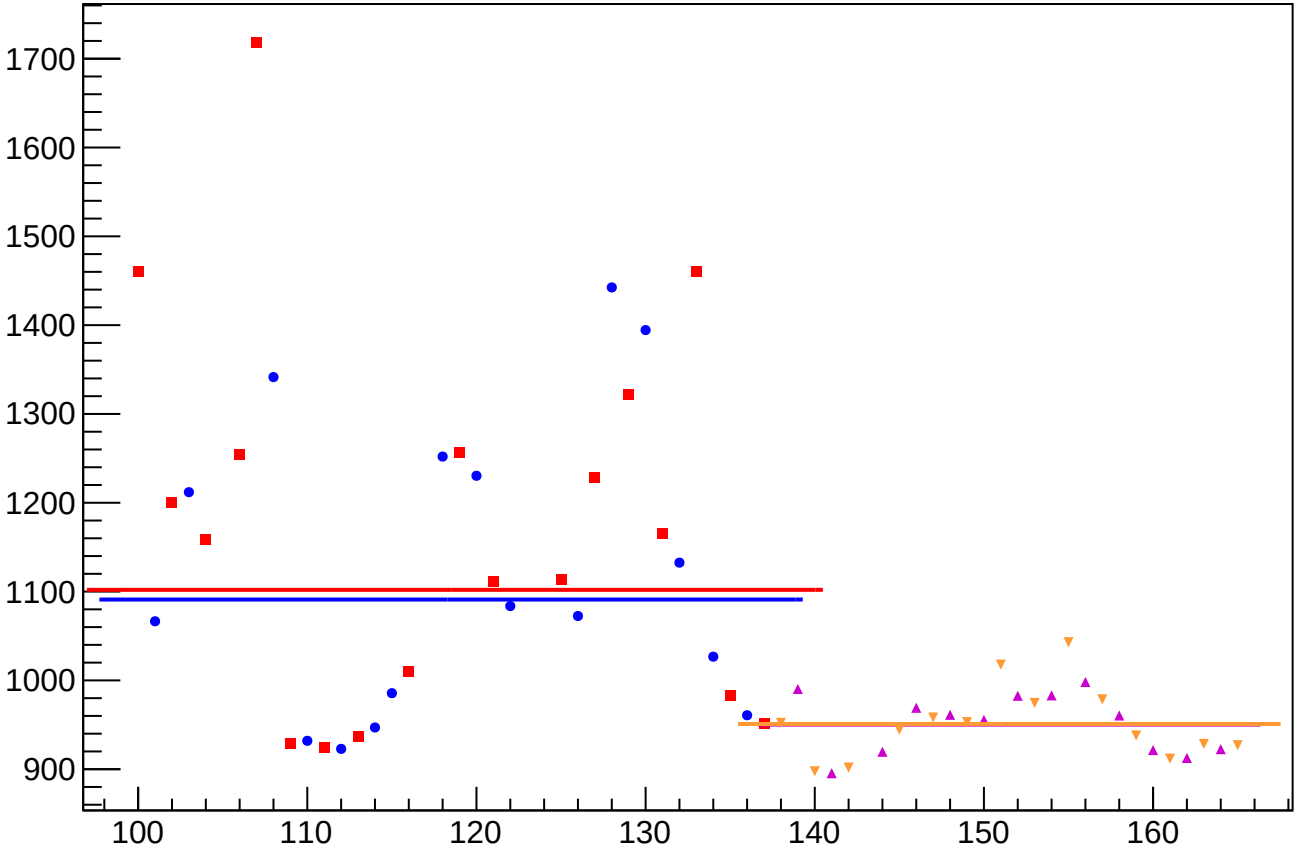
Left In: 365.405+/-287.103 χ^2/NDF:8.9/12

+ sign 498.494+/-235.051 χ^2/NDF: 31.8/29

All: 464.398+/-166.354 χ^2/NDF: 47.4/60

- sign 430.180+/-235.470 χ^2/NDF: 15.6/30

asym_us_dd_rms vs Slug



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

Left Out: 950.931+/-0.203 χ^2/NDF:36350.1/13

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

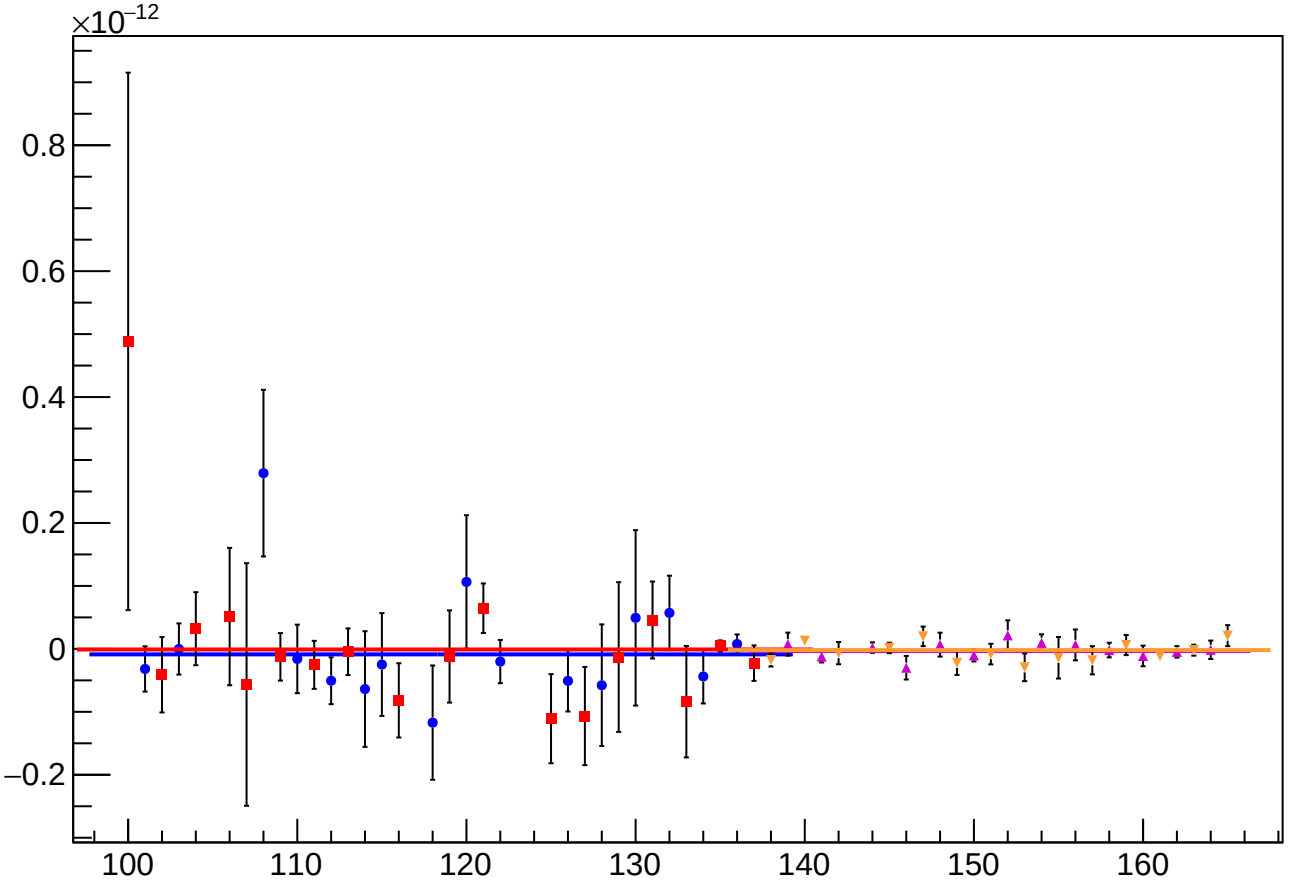
Left In: 950.190+/-0.203 χ^2/NDF:25631.6/12

\+ sign 996.990+/-0.166 χ^2/NDF: 470469.5/29

All: 998.426+/-0.118 χ^2/NDF: 1007287.0/60

\- sign 999.868+/-0.167 χ^2/NDF: 536667.9/30

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:15.4/13

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

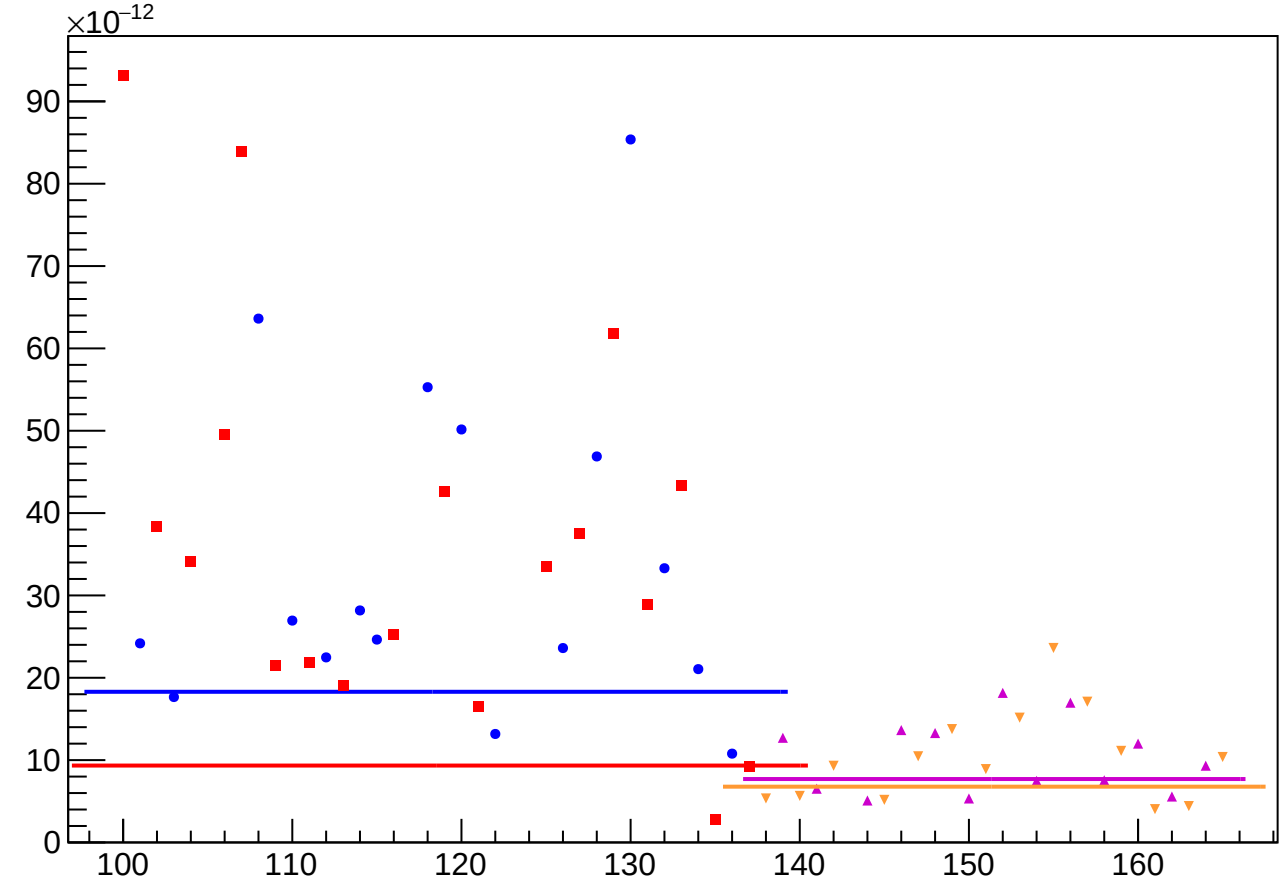
Left In: -0.000+/-0.000 χ^2/NDF:6.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/29

All: -0.000+/-0.000 χ^2/NDF: 50.9/60

- sign -0.000+/-0.000 χ^2/NDF: 21.3/30

asym_us_dd_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:2493496.7/13

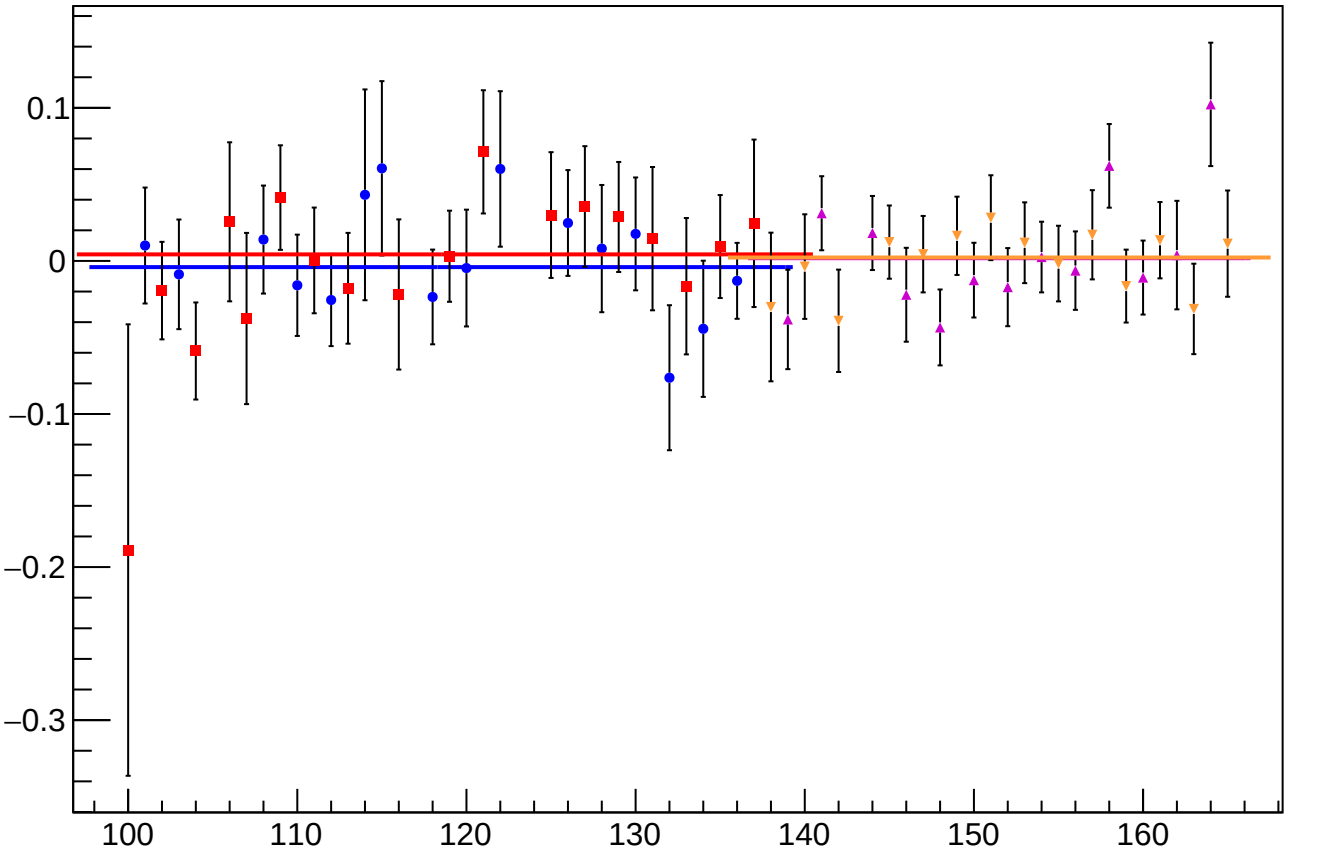
Right Out: 0.000+/-0.000 χ^2/NDF: 5140446.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1819520.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 7044371.3/29

All: 0.000+/-0.000 χ^2/NDF: 14090841.4/60

- sign 0.000+/-0.000 χ^2/NDF: 7042056.4/30



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

Left Out: 0.002+/-0.007 χ^2/NDF:6.0/13

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

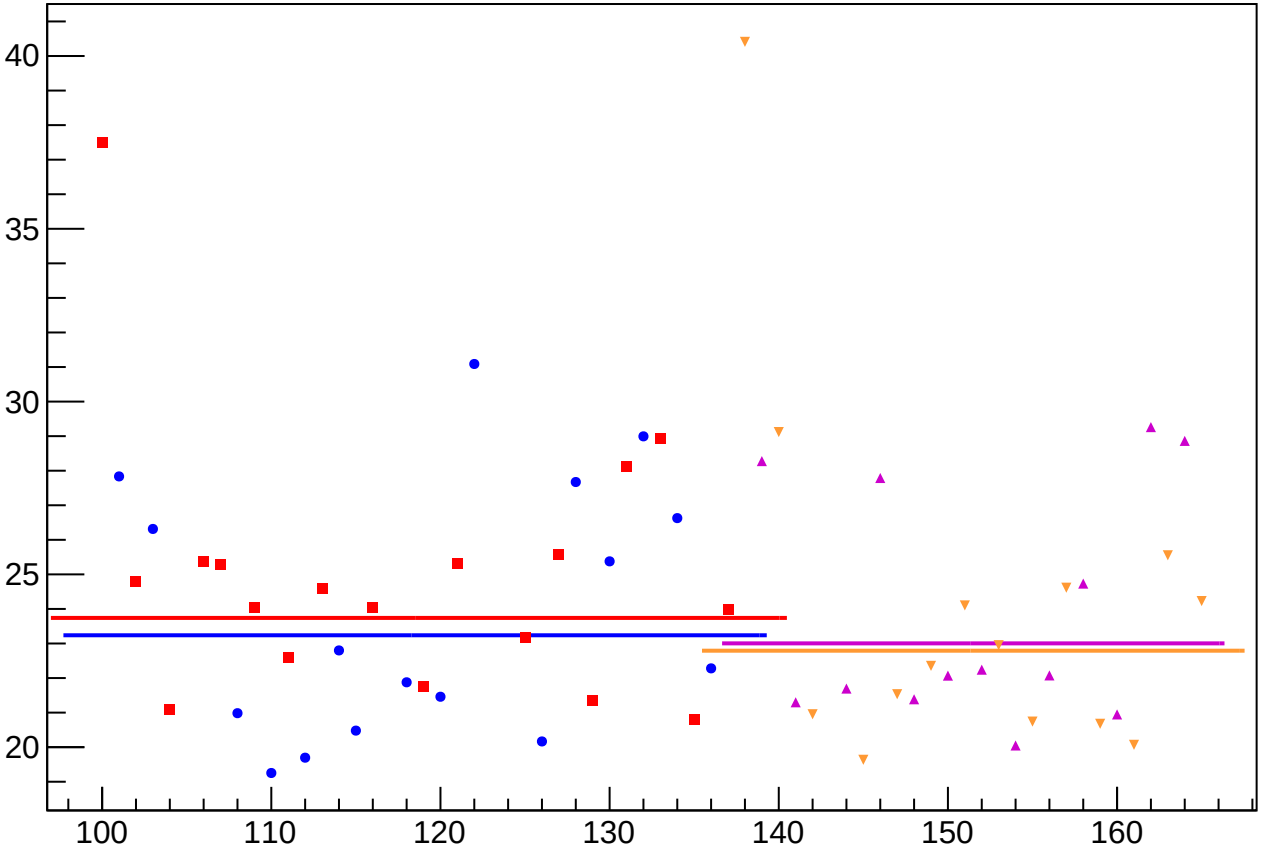
Left In: 0.002+/-0.007 χ^2/NDF:19.8/12

+ sign -0.000+/-0.006 χ^2/NDF: 15.5/29

All: 0.001+/-0.004 χ^2/NDF: 48.9/60

- sign 0.003+/-0.006 χ^2/NDF: 33.3/30

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 22.792+/-0.005 χ^2/NDF:465042.3/13

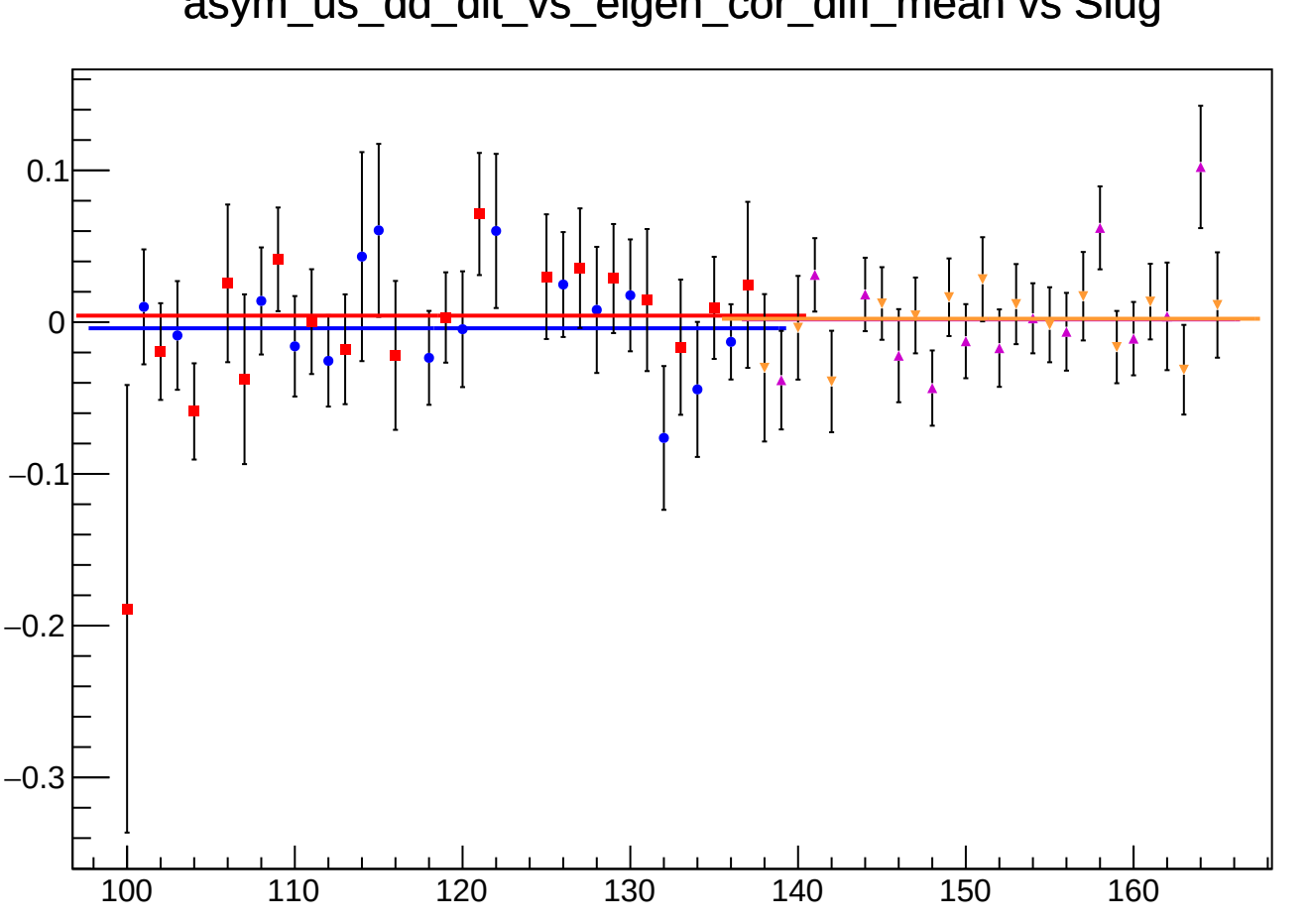
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.004+/-0.005 χ^2/NDF:292864.4/12

+ sign 22.967+/-0.004 χ^2/NDF: 727094.7/29

All: 23.129+/-0.003 χ^2/NDF: 1156871.2/60

- sign 23.290+/-0.004 χ^2/NDF: 426691.7/30



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

Left Out: 0.002+/-0.007 χ^2/NDF:6.0/13

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

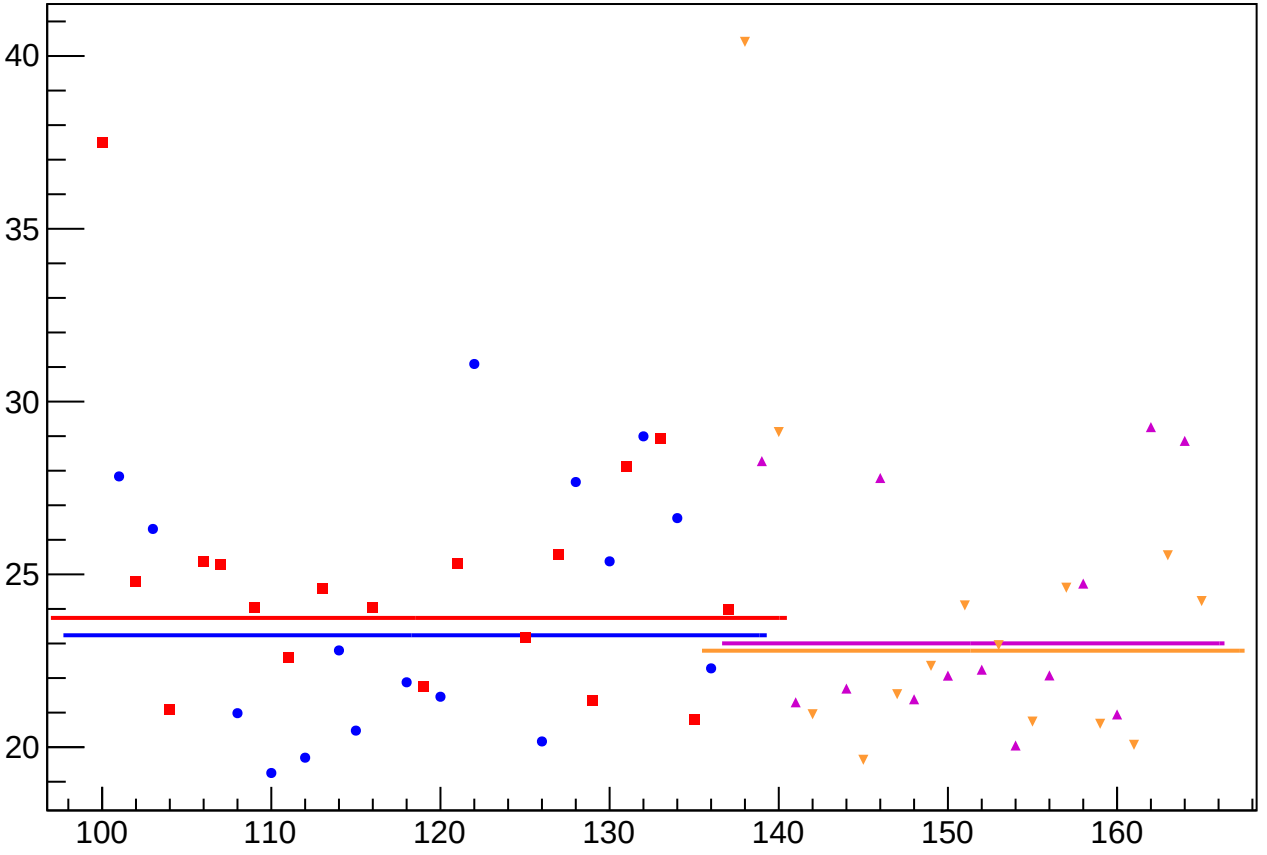
Left In: 0.002+/-0.007 χ^2/NDF:19.8/12

+ sign -0.000+/-0.006 χ^2/NDF: 15.5/29

All: 0.001+/-0.004 χ^2/NDF: 48.9/60

- sign 0.003+/-0.006 χ^2/NDF: 33.3/30

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: 22.792+/-0.005 χ^2/NDF:465042.3/13

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

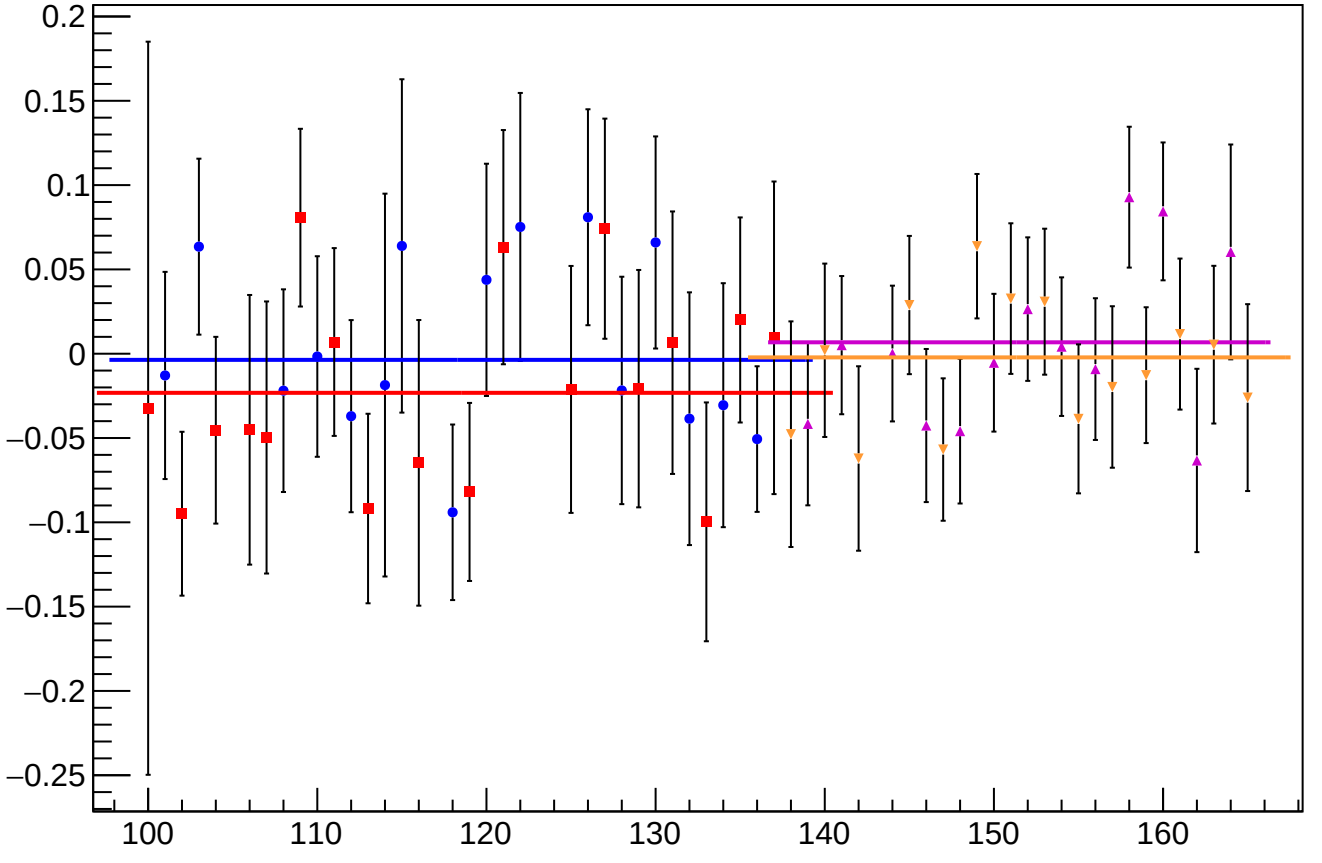
Left In: 23.004+/-0.005 χ^2/NDF:292864.4/12

+ sign 22.967+/-0.004 χ^2/NDF: 727094.7/29

All: 23.129+/-0.003 χ^2/NDF: 1156871.2/60

- sign 23.290+/-0.004 χ^2/NDF: 426691.7/30

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.002+/-0.012 χ^2/NDF:8.7/13

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

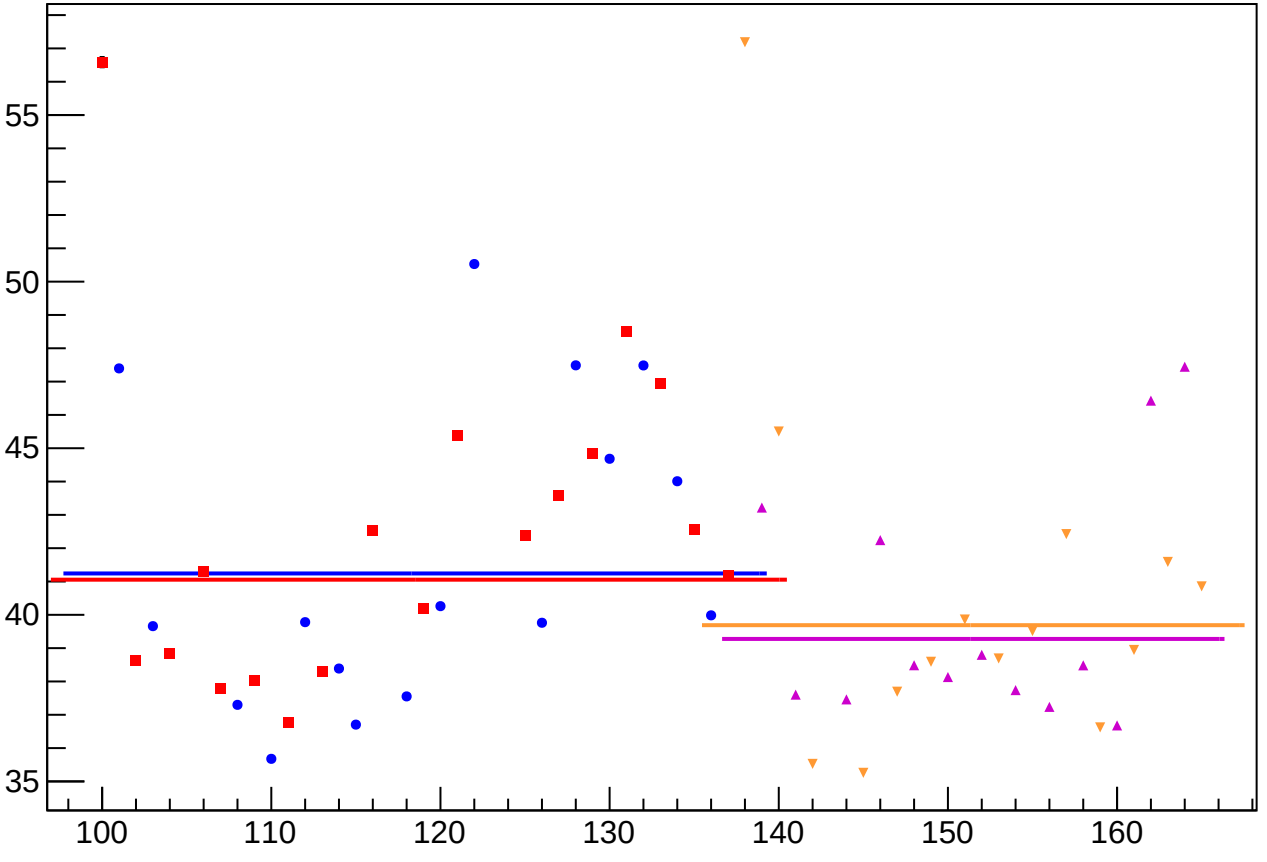
Left In: 0.007+/-0.012 χ^2/NDF:14.4/12

+ sign -0.003+/-0.010 χ^2/NDF: 20.3/29

All: -0.004+/-0.007 χ^2/NDF: 52.4/60

- sign -0.005+/-0.010 χ^2/NDF: 32.1/30

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: 39.689+/-0.009 χ^2/NDF:227029.3/13

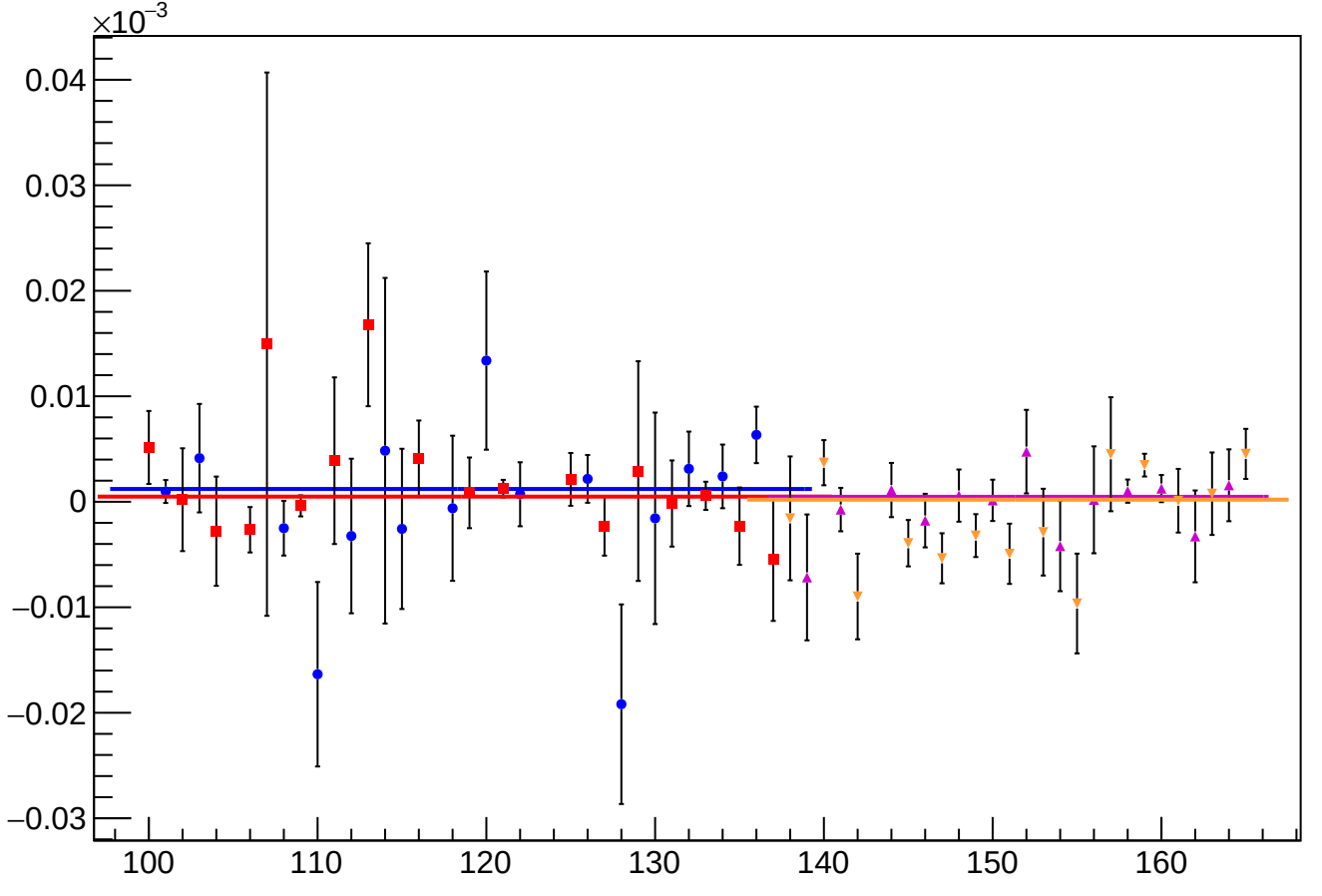
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.276+/-0.009 χ^2/NDF:115513.5/12

+ sign 40.283+/-0.007 χ^2/NDF: 374328.0/29

All: 40.117+/-0.005 χ^2/NDF: 603815.2/60

- sign 39.955+/-0.007 χ^2/NDF: 228335.2/30



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

Left Out: 0.000+/-0.000 χ^2/NDF:41.0/13

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

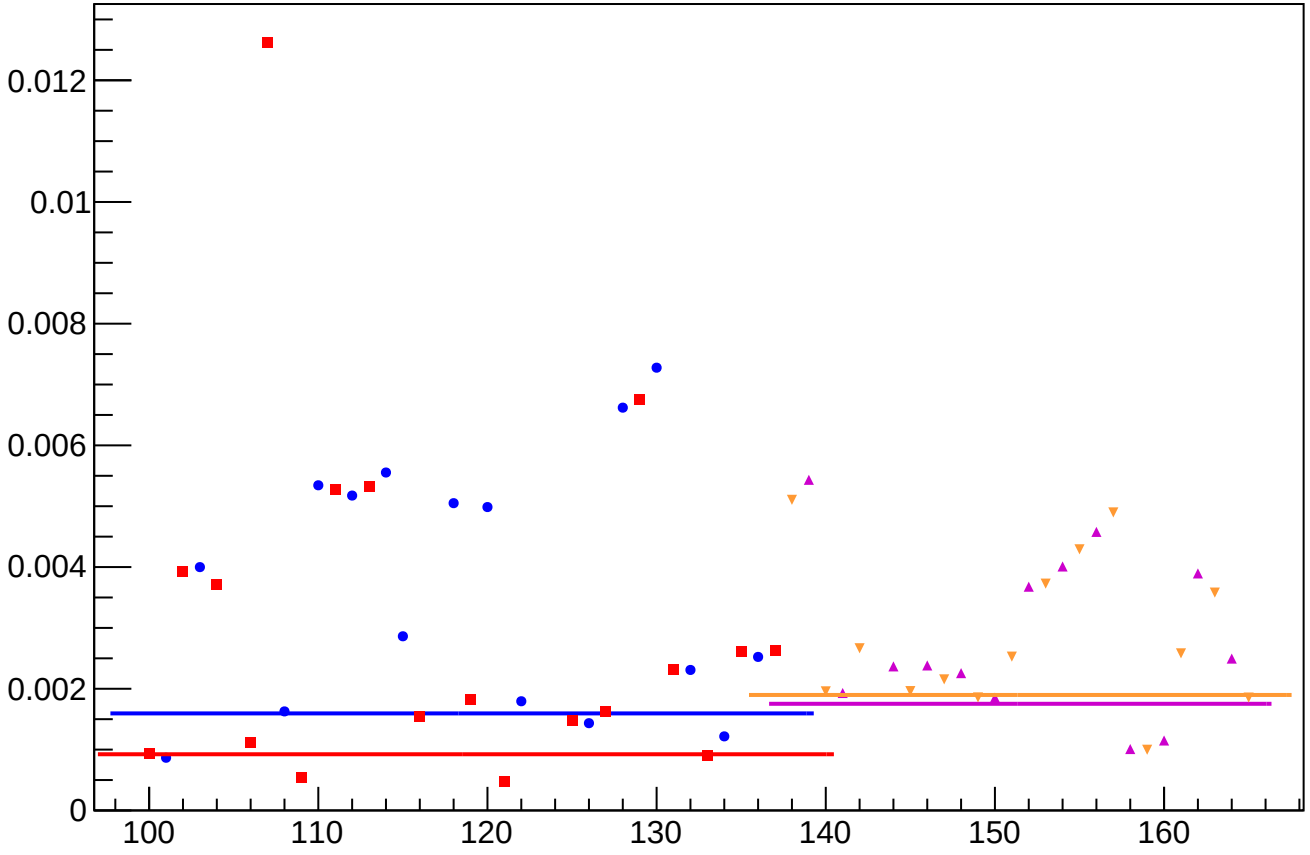
Left In: 0.000+/-0.000 χ^2/NDF:6.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 60.4/29

All: 0.000+/-0.000 χ^2/NDF: 82.1/60

- sign 0.000+/-0.000 χ^2/NDF: 21.7/30

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:4185858.7/13

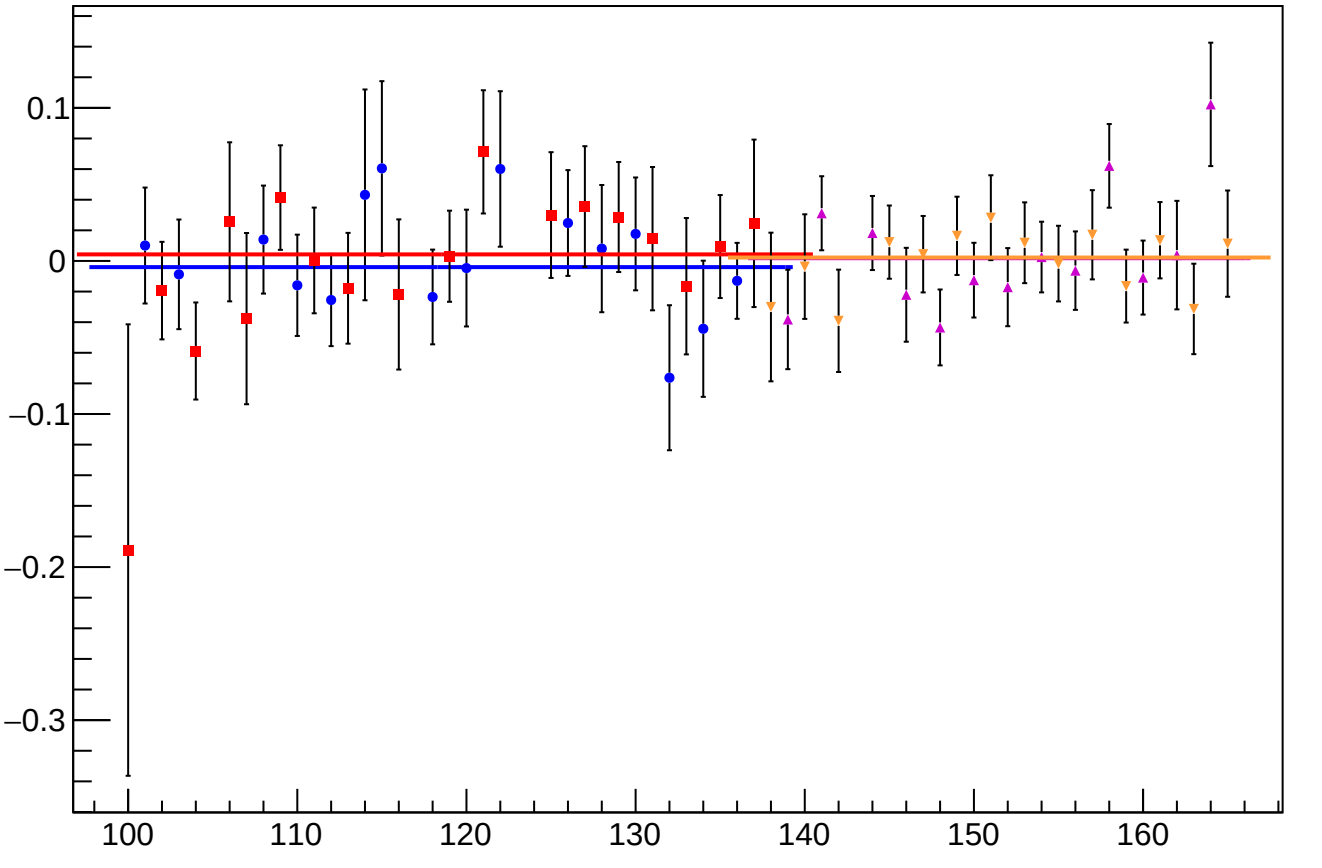
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:4684348.0/12

+ sign 0.002+/-0.000 χ^2/NDF: 9135809.6/29

All: 0.001+/-0.000 χ^2/NDF: 23195826.9/60

- sign 0.001+/-0.000 χ^2/NDF: 12702245.8/30



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

Left Out: 0.002+/-0.007 χ^2/NDF:6.0/13

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

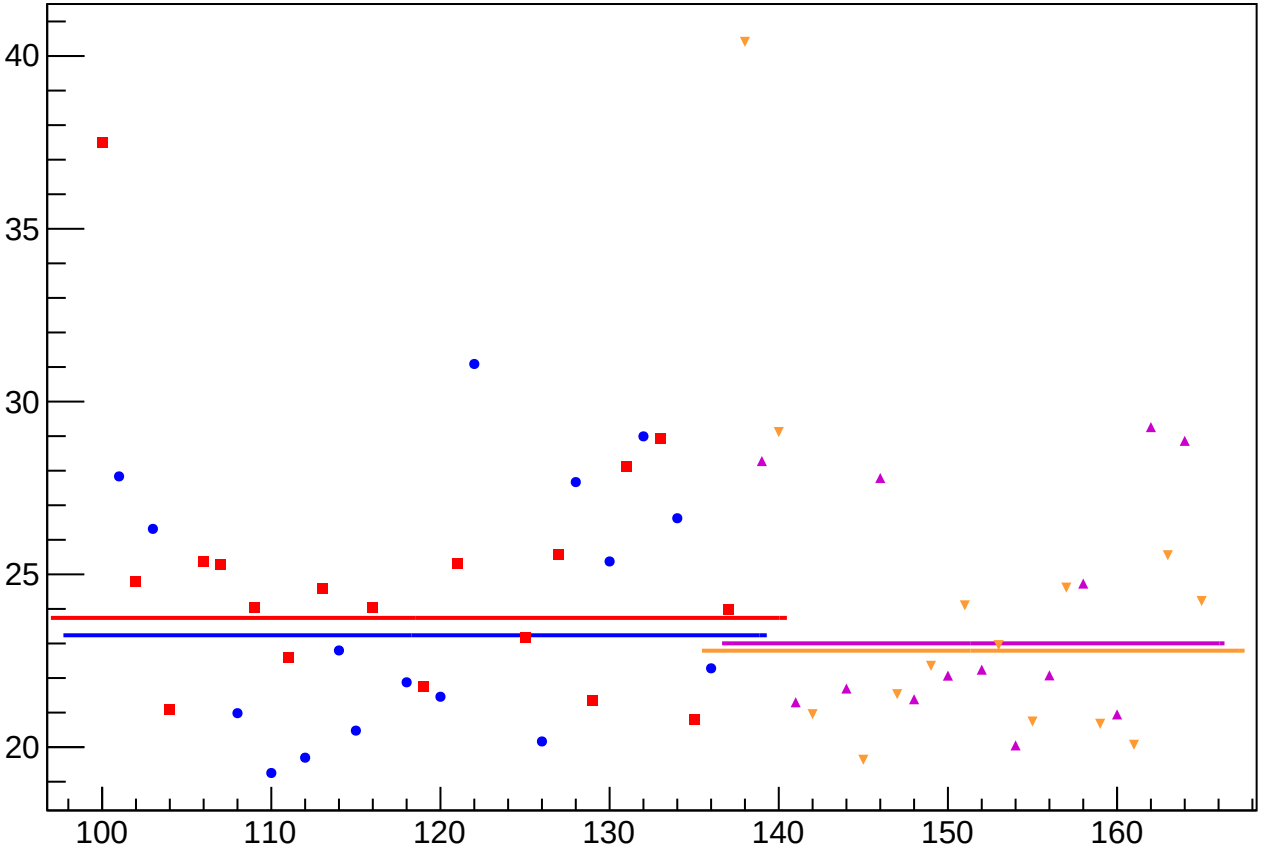
Left In: 0.002+/-0.007 χ^2/NDF:19.8/12

+ sign -0.000+/-0.006 χ^2/NDF: 15.5/29

All: 0.001+/-0.004 χ^2/NDF: 48.9/60

- sign 0.003+/-0.006 χ^2/NDF: 33.3/30

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: 22.792+/-0.005 χ^2/NDF:465064.3/13

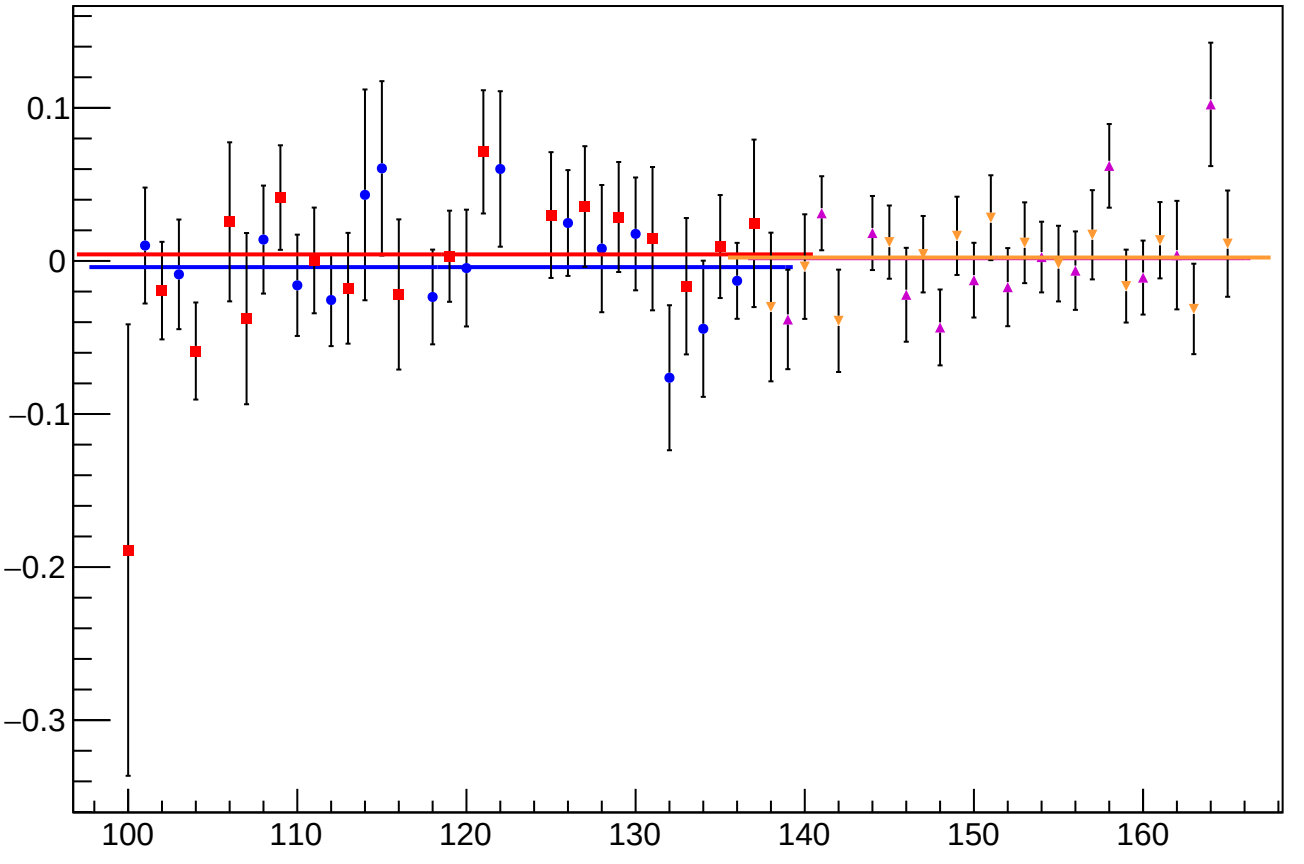
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.004+/-0.005 χ^2/NDF:292835.3/12

+ sign 22.967+/-0.004 χ^2/NDF: 727096.6/29

All: 23.129+/-0.003 χ^2/NDF: 1156801.1/60

- sign 23.290+/-0.004 χ^2/NDF: 426609.6/30



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

Left Out: 0.002+/-0.007 χ^2/NDF:6.0/13

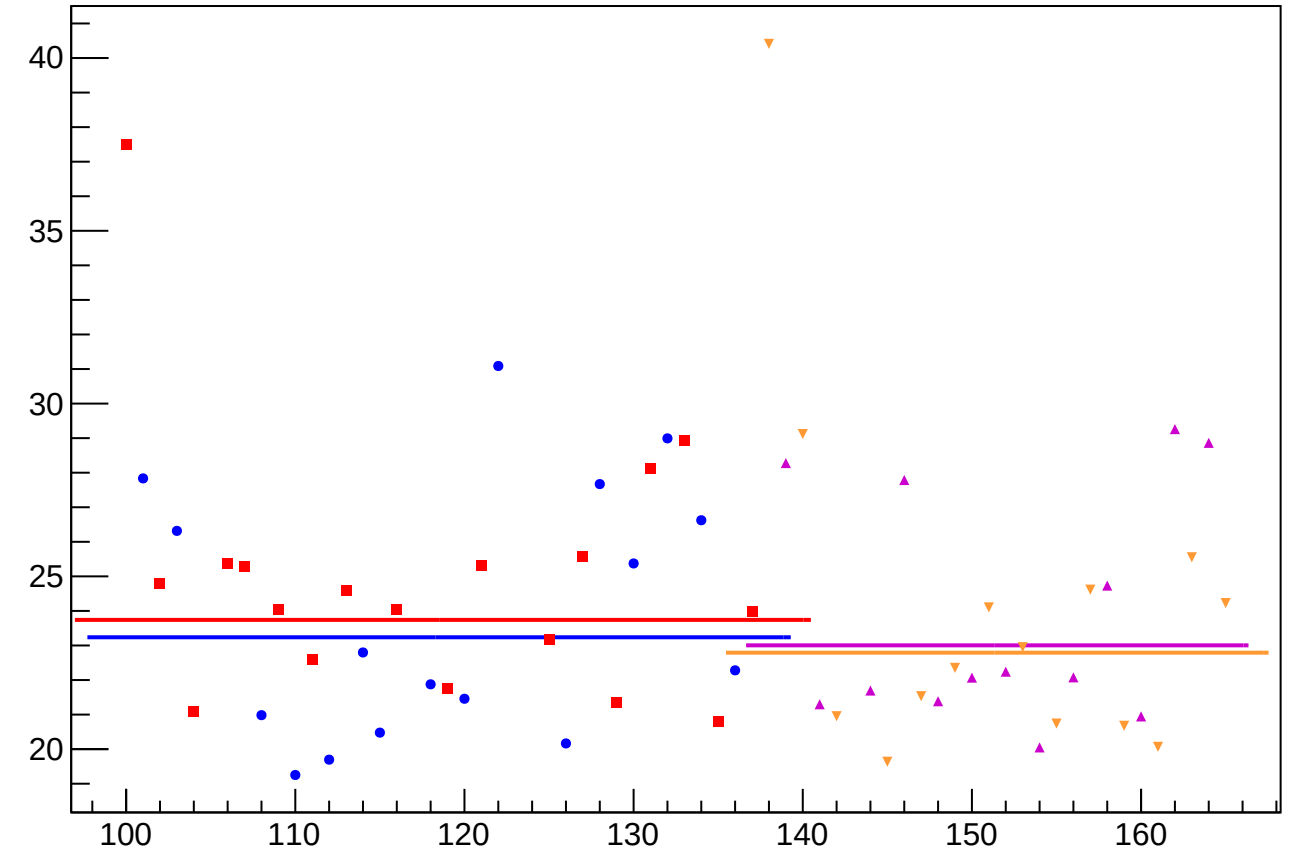
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.002+/-0.007 χ^2/NDF:19.8/12

+ sign -0.000+/-0.006 χ^2/NDF: 15.5/29

All: 0.001+/-0.004 χ^2/NDF: 48.9/60

- sign 0.003+/-0.006 χ^2/NDF: 33.3/30



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

Left Out: 22.792+/-0.005 χ^2/NDF:465064.3/13

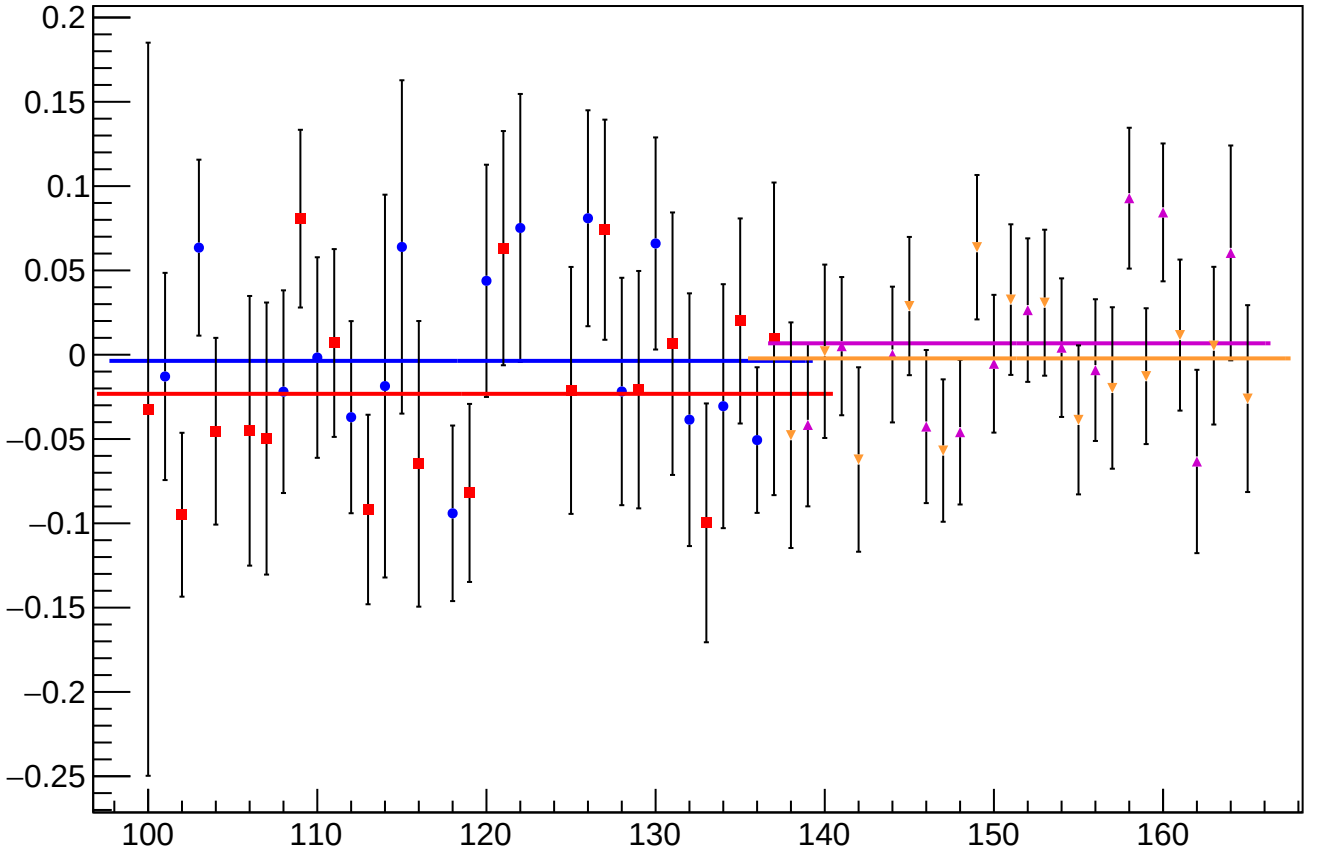
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.004+/-0.005 χ^2/NDF:292835.3/12

+ sign 22.967+/-0.004 χ^2/NDF: 727096.6/29

All: 23.129+/-0.003 χ^2/NDF: 1156801.1/60

- sign 23.290+/-0.004 χ^2/NDF: 426609.6/30



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

Left Out: -0.002+/-0.012 χ^2/NDF:8.7/13

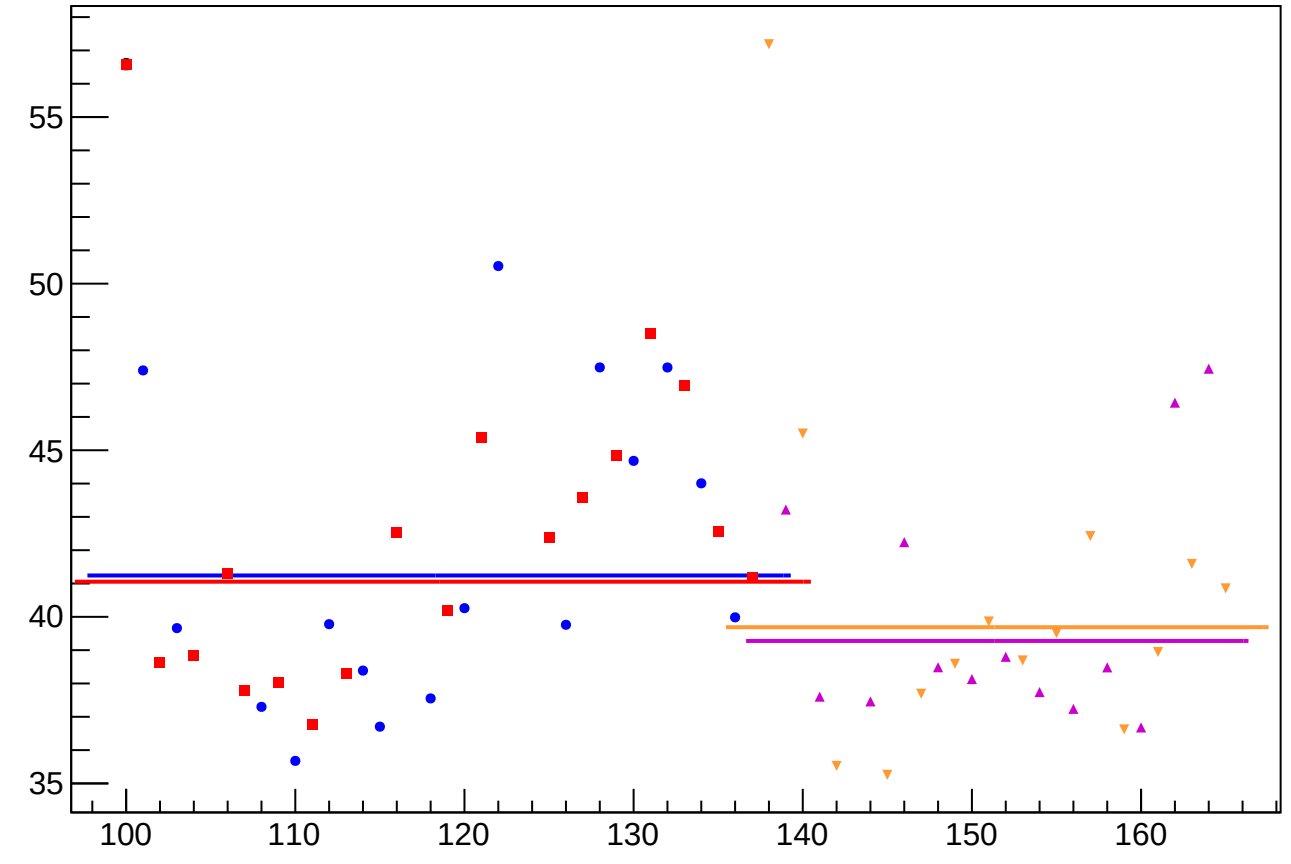
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.007+/-0.012 χ^2/NDF:14.4/12

+ sign -0.003+/-0.010 χ^2/NDF: 20.3/29

All: -0.004+/-0.007 χ^2/NDF: 52.4/60

- sign -0.005+/-0.010 χ^2/NDF: 32.1/30



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

Left Out: 39.689+/-0.009 χ^2/NDF:227033.7/13

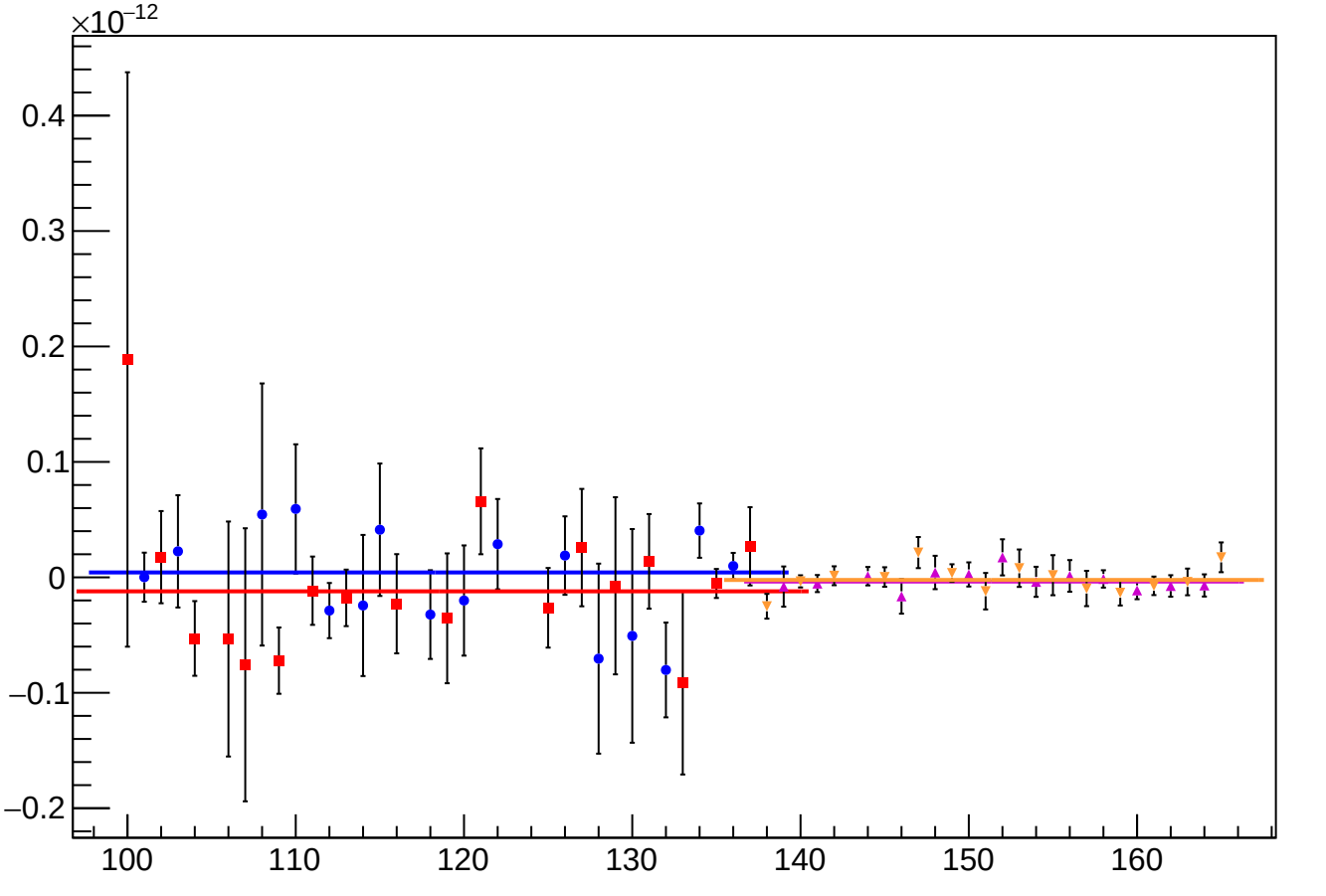
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 39.277+/-0.009 χ^2/NDF:115521.4/12

+ sign 40.283+/-0.007 χ^2/NDF: 374305.5/29

All: 40.117+/-0.005 χ^2/NDF: 603785.3/60

- sign 39.956+/-0.007 χ^2/NDF: 228328.7/30



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/13

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

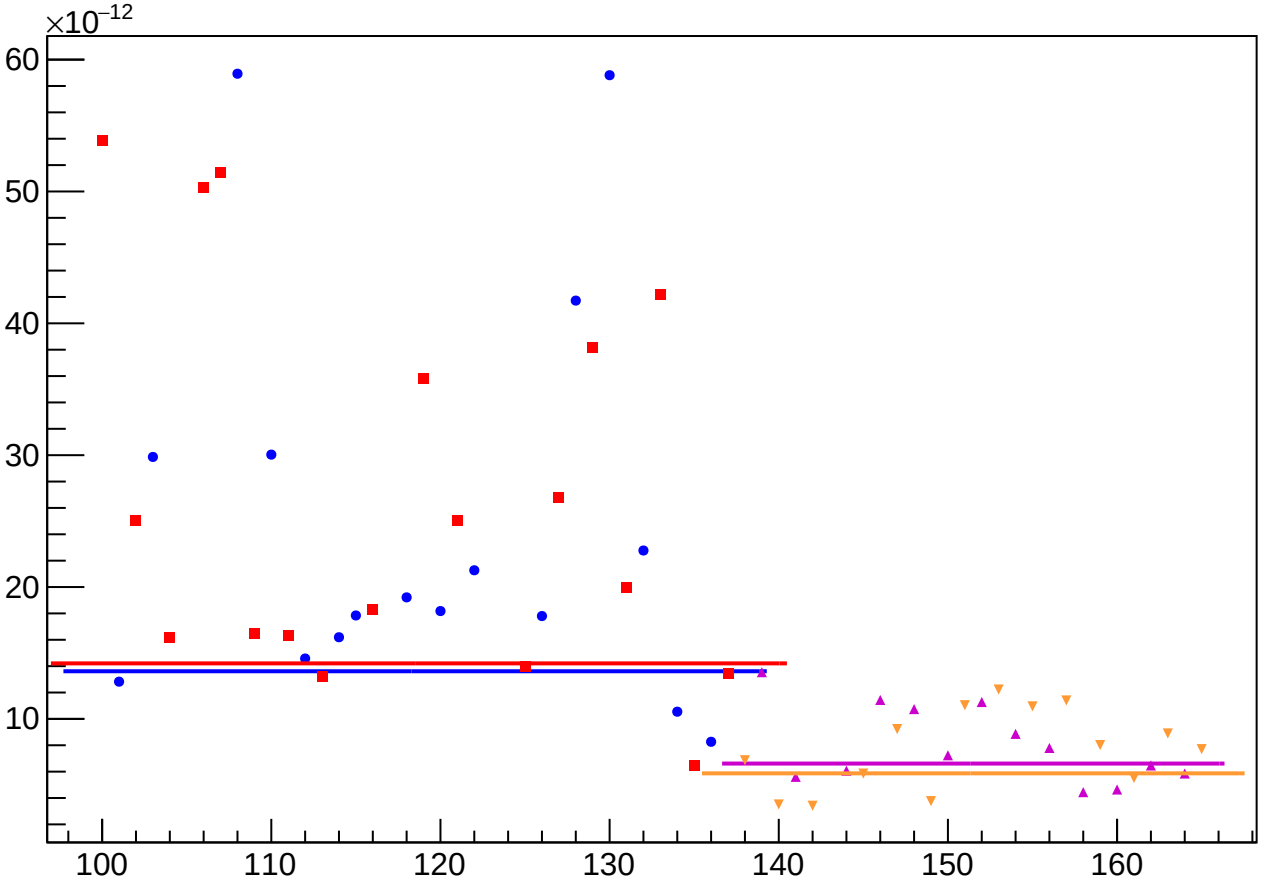
Left In: -0.000+/-0.000 χ^2/NDF:5.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 27.7/29

All: -0.000+/-0.000 χ^2/NDF: 49.1/60

- sign -0.000+/-0.000 χ^2/NDF: 20.7/30

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2188622.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2085606.3/13

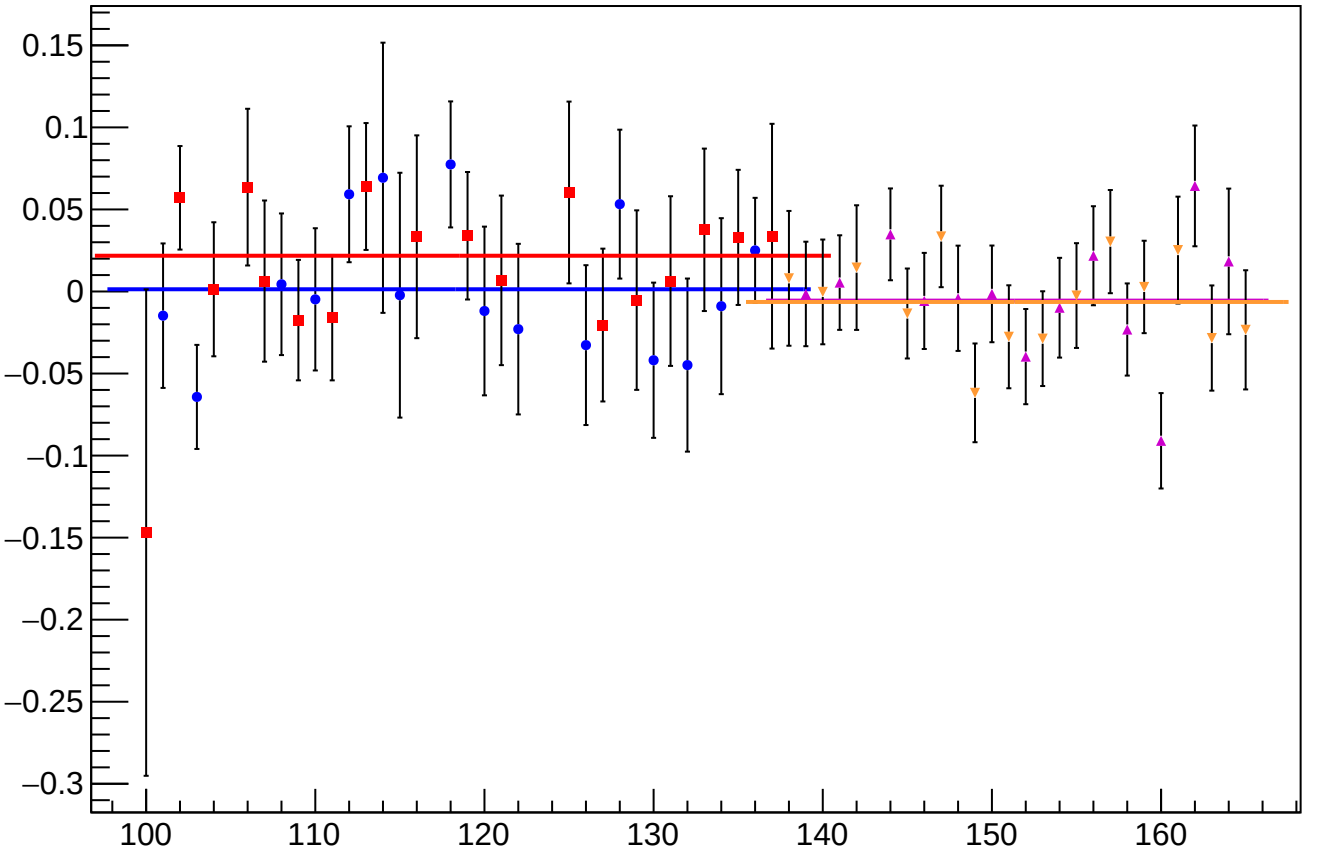
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1303636.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 6234982.9/29

All: 0.000+/-0.000 χ^2/NDF: 11785126.7/60

- sign 0.000+/-0.000 χ^2/NDF: 5460768.8/30



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

Left Out: -0.006+/-0.008 χ^2/NDF:9.8/13

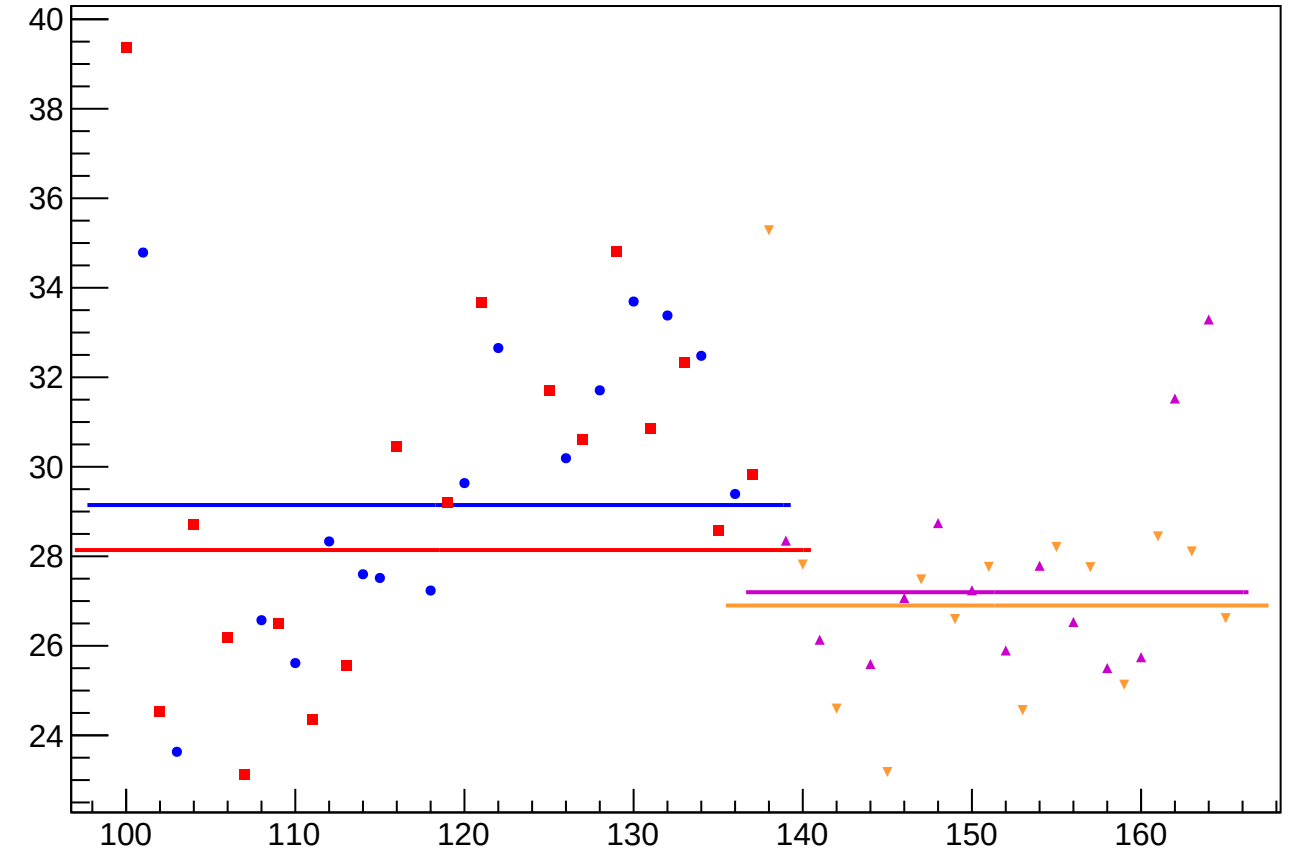
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.006+/-0.009 χ^2/NDF:17.4/12

+ sign -0.004+/-0.007 χ^2/NDF: 25.3/29

All: 0.001+/-0.005 χ^2/NDF: 56.6/60

- sign 0.005+/-0.007 χ^2/NDF: 30.4/30



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

Left Out: 26.901+/-0.006 χ^2/NDF:164910.0/13

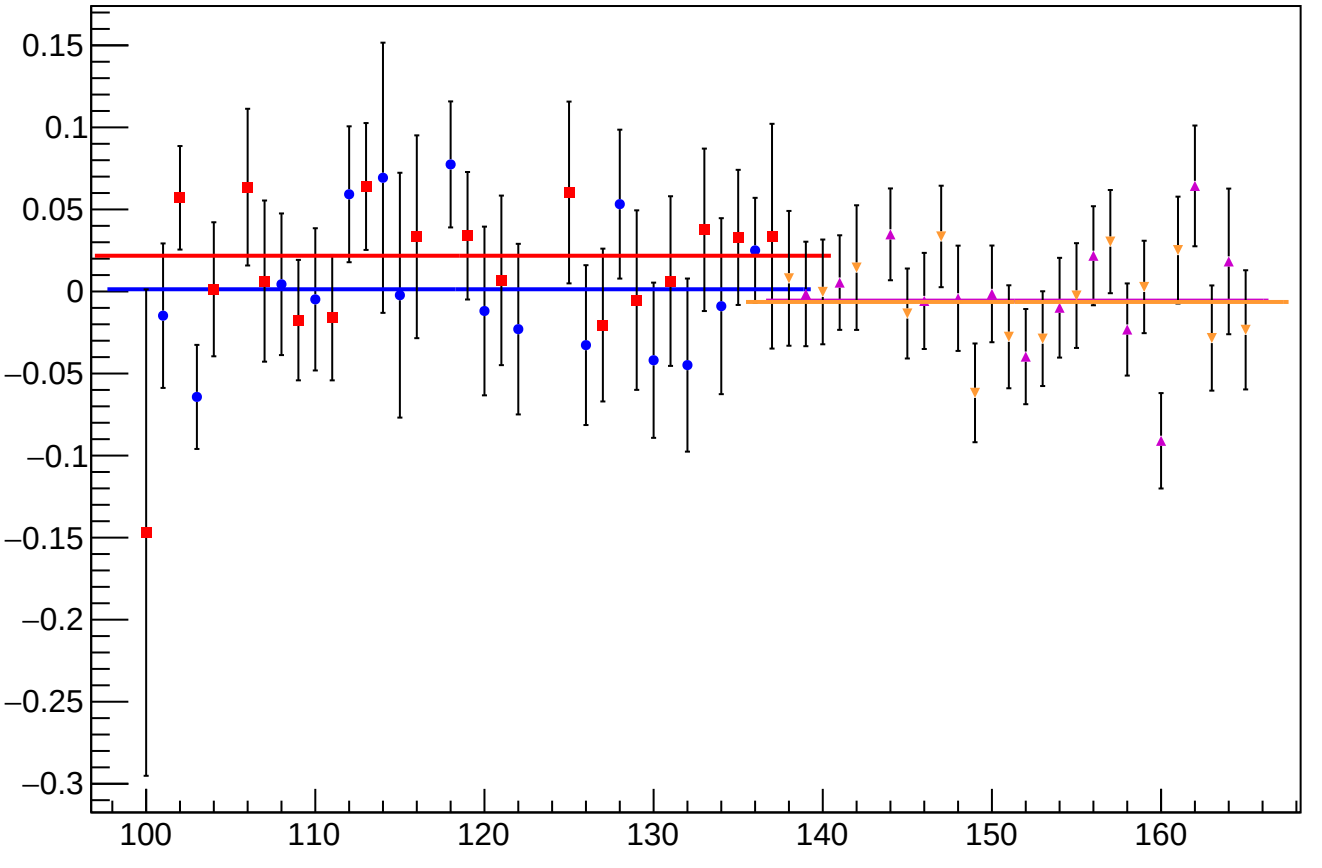
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.198+/-0.006 χ^2/NDF:100001.1/12

\+ sign 27.718+/-0.005 χ^2/NDF: 392765.4/29

All: 27.638+/-0.003 χ^2/NDF: 689845.3/60

\- sign 27.559+/-0.005 χ^2/NDF: 296521.3/30



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

Left Out: -0.006+/-0.008 χ^2/NDF:9.8/13

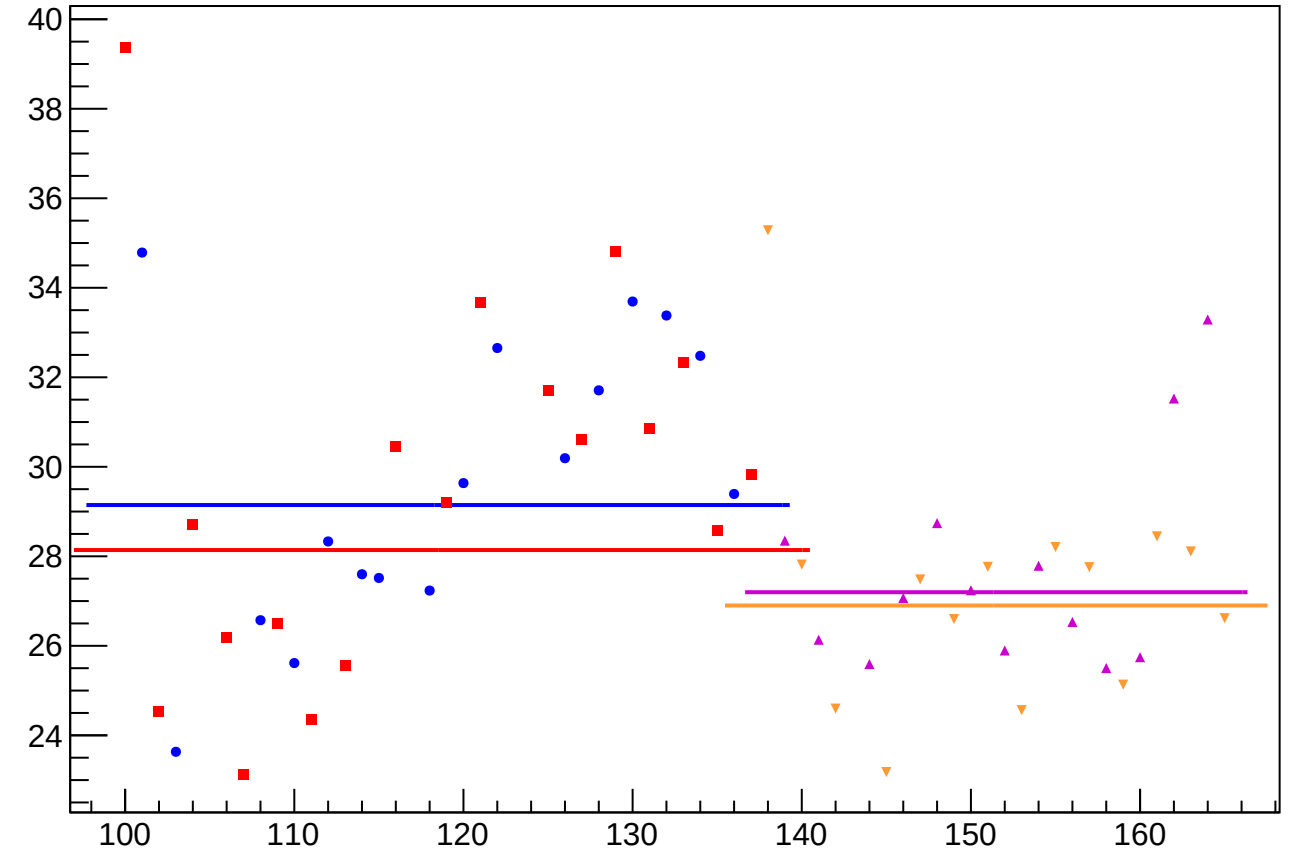
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.006+/-0.009 χ^2/NDF:17.4/12

+ sign -0.004+/-0.007 χ^2/NDF: 25.3/29

All: 0.001+/-0.005 χ^2/NDF: 56.6/60

- sign 0.005+/-0.007 χ^2/NDF: 30.4/30



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

Left Out: 26.901+/-0.006 χ^2/NDF:164910.0/13

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

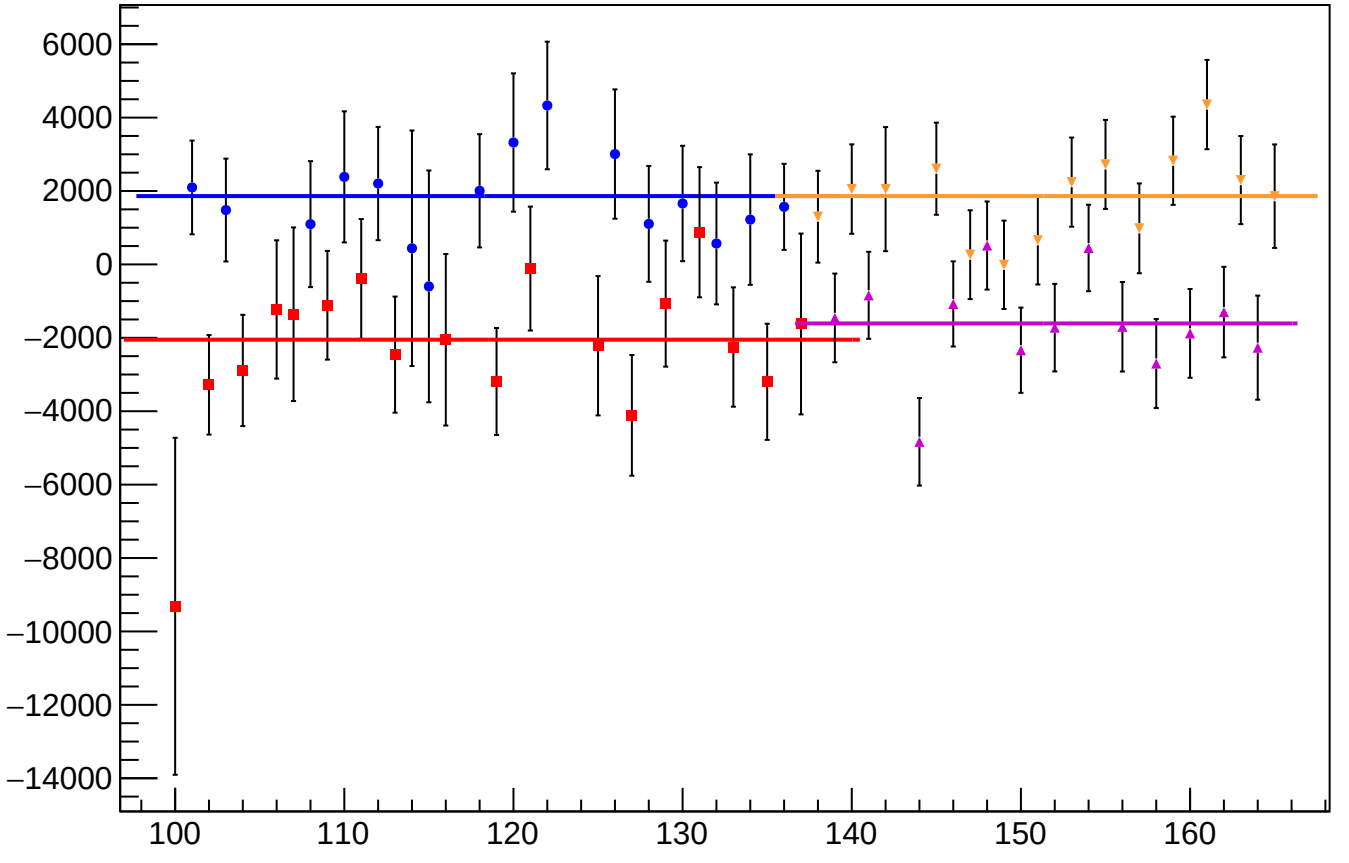
Left In: 27.198+/-0.006 χ^2/NDF:100001.1/12

\+ sign 27.718+/-0.005 χ^2/NDF: 392765.4/29

All: 27.638+/-0.003 χ^2/NDF: 689845.3/60

\- sign 27.559+/-0.005 χ^2/NDF: 296521.3/30

reg_asym_usl_mean vs Slug



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

Left Out: 1862.863+/-334.296 χ^2/NDF:11.8/13

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

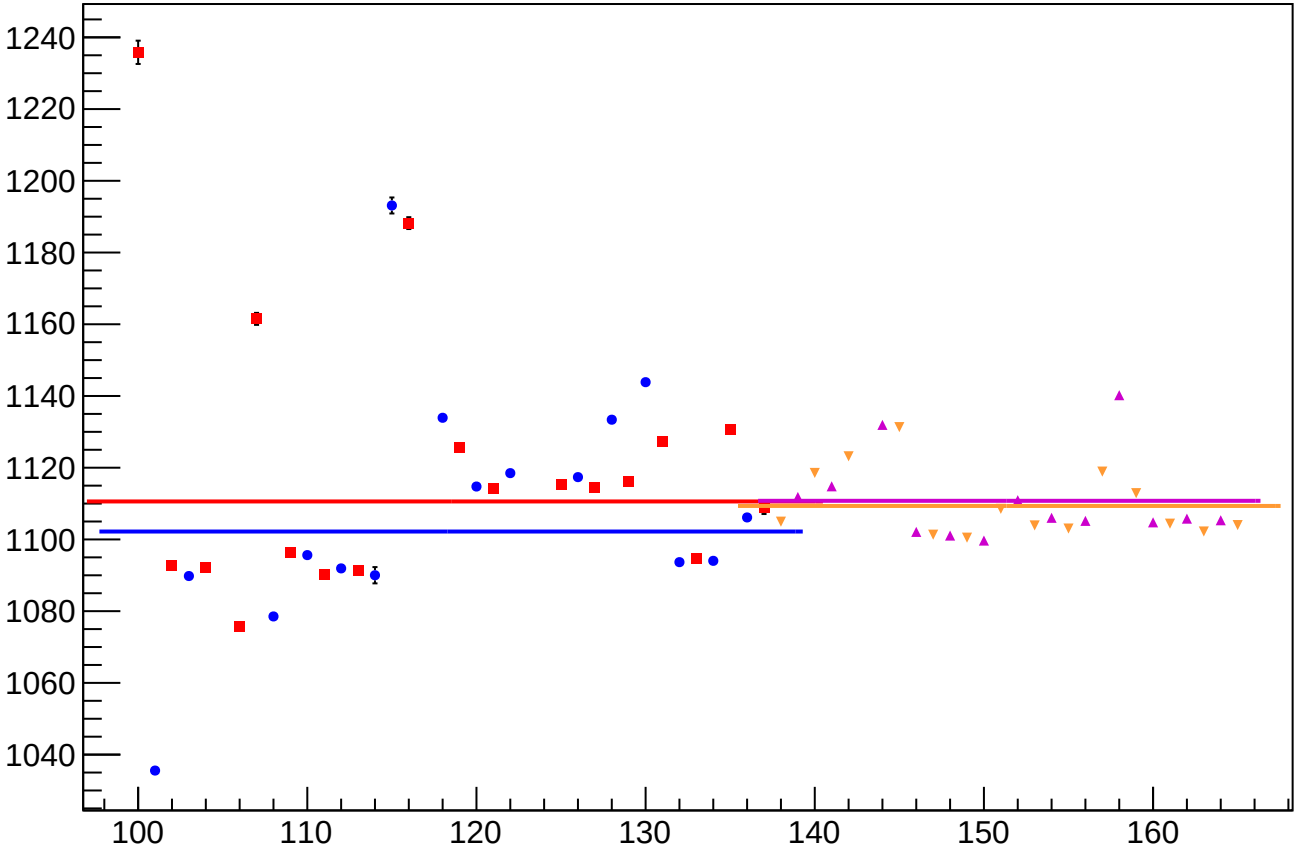
Left In: -1608.419+/-335.372 χ^2/NDF:15.7/12

+ sign 1862.328+/-258.969 χ^2/NDF: 17.2/29

All: 41.102+/-183.270 χ^2/NDF: 145.2/60

- sign -1786.164+/-259.398 χ^2/NDF: 28.9/30

reg_asym_usl_rms vs Slug



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

Left Out: 1109.337+/-0.236 χ^2/NDF:1448.5/13

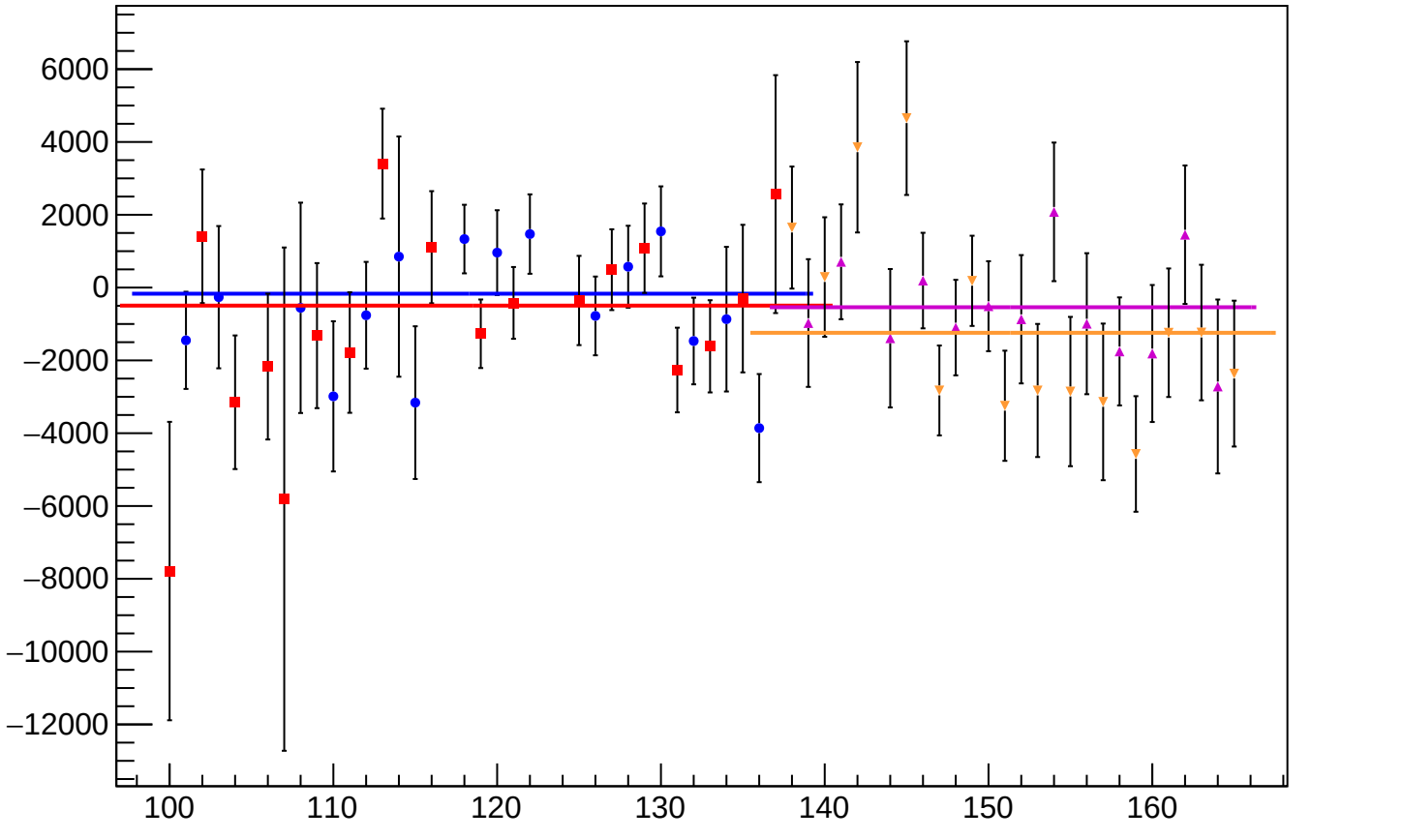
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

+ sign 1106.485+/-0.183 χ^2/NDF: 13161.5/29

All: 1108.588+/-0.130 χ^2/NDF: 23564.0/60

- sign 1110.698+/-0.183 χ^2/NDF: 10138.3/30



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

Left Out: -1241.880+/-452.381 χ^2/NDF:28.0/13

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

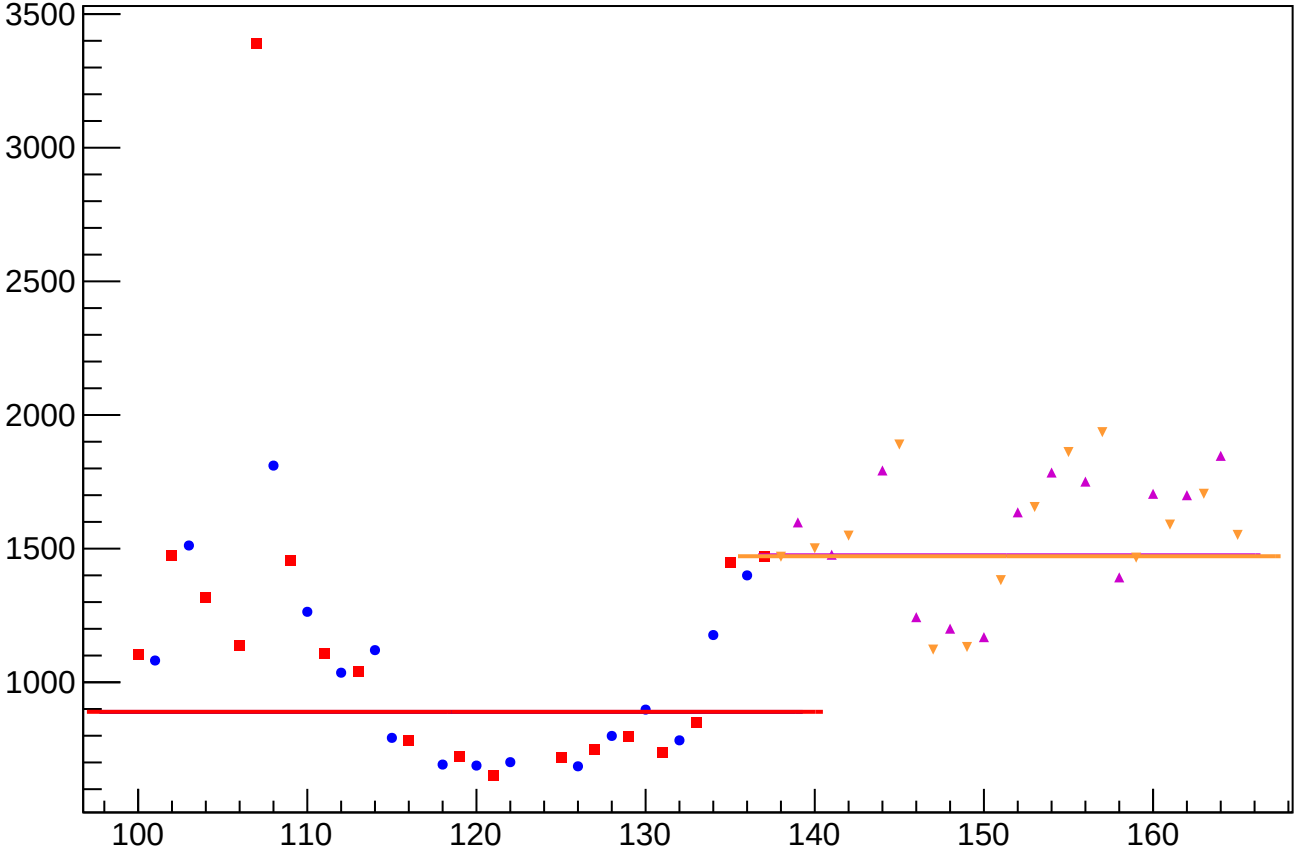
Left In: -539.958+/-452.996 χ^2/NDF:6.4/12

+ sign -563.469+/-274.549 χ^2/NDF: 52.5/29

All: -537.537+/-194.116 χ^2/NDF: 82.3/60

- sign -511.616+/-274.492 χ^2/NDF: 29.7/30

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1471.553+/-0.320 χ^2/NDF:627938.3/13

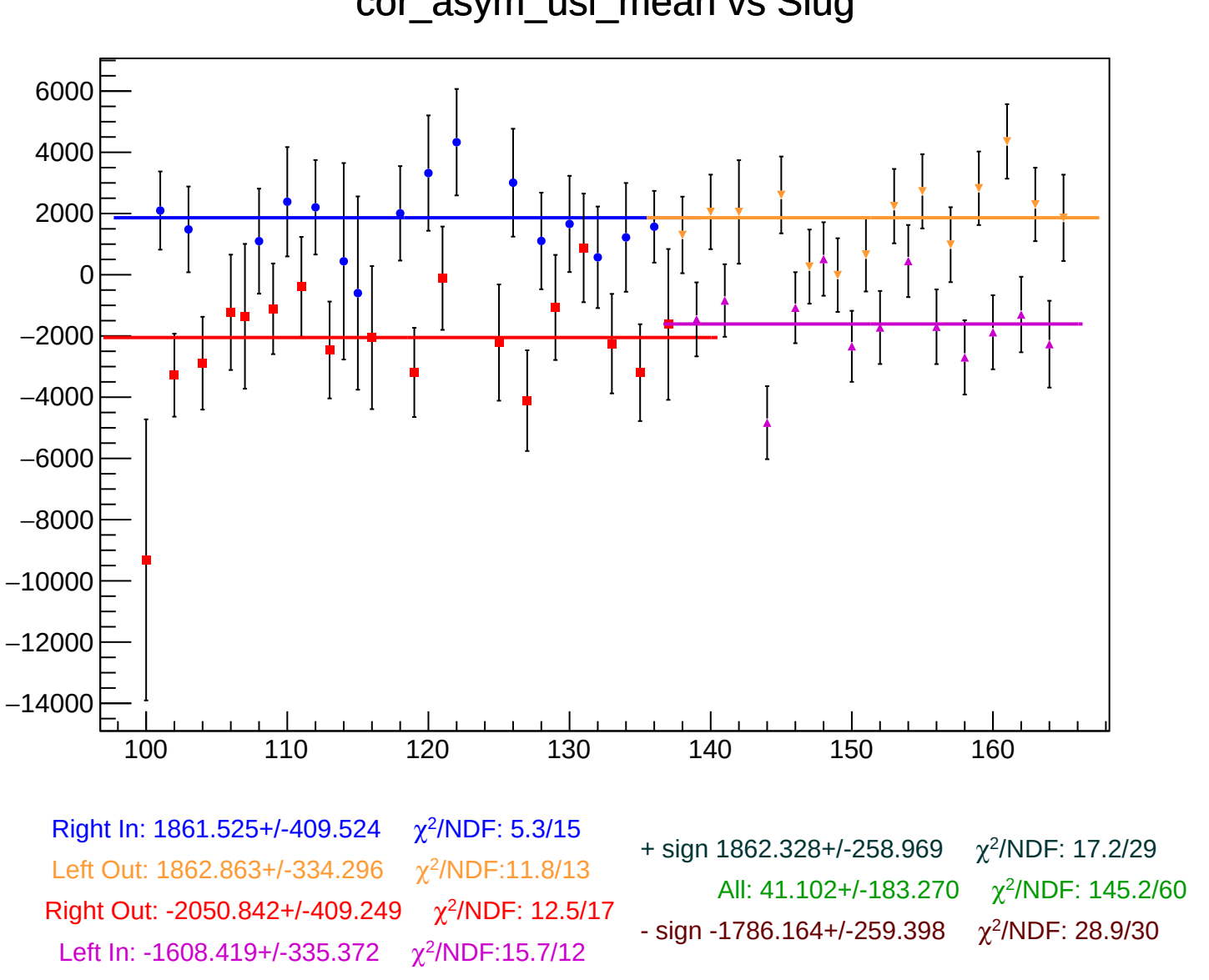
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1475.078+/-0.320 χ^2/NDF:560851.3/12

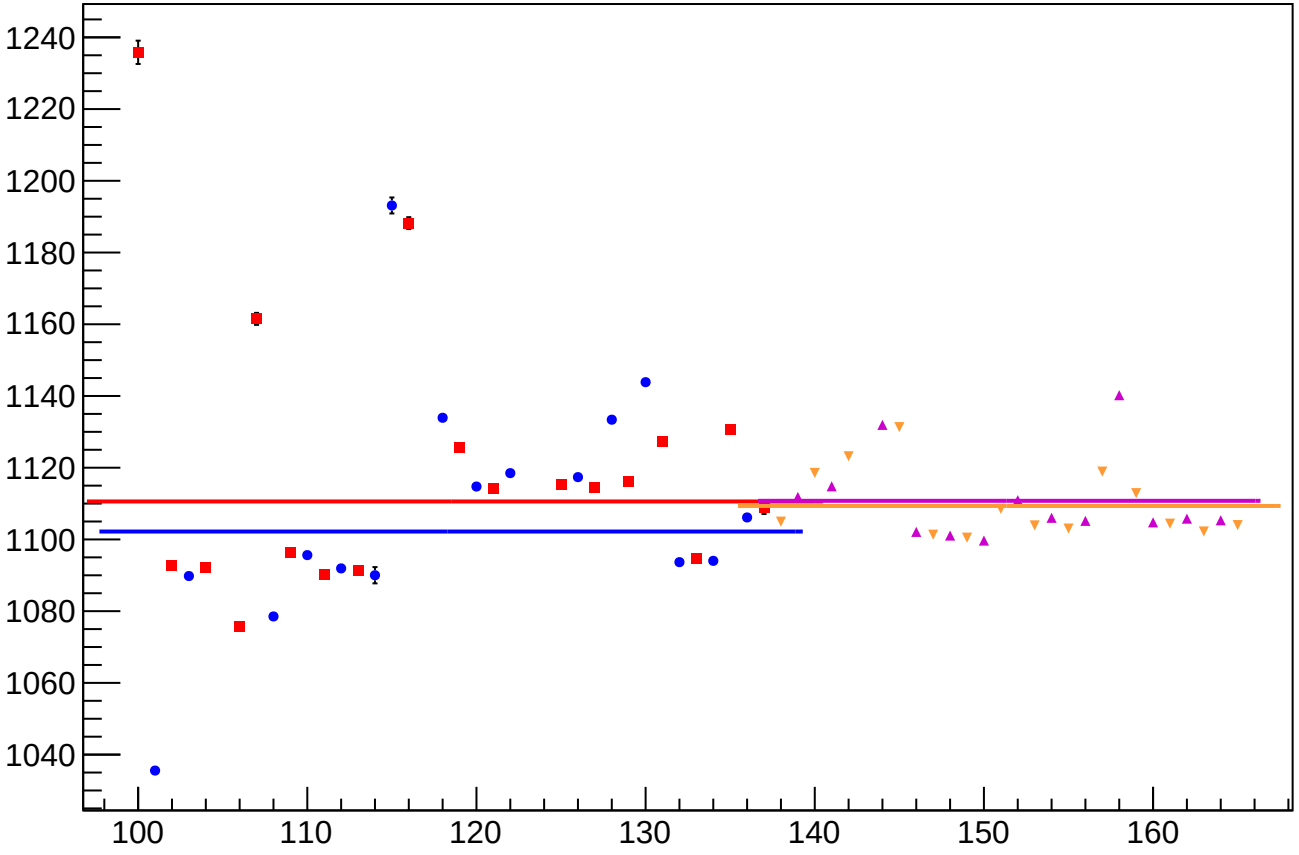
+ sign 1103.541+/-0.194 χ^2/NDF: 3856022.6/29

All: 1104.018+/-0.137 χ^2/NDF: 7877718.5/60

- sign 1104.494+/-0.194 χ^2/NDF: 4021683.8/30


cor_asym_usl_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
100
110
120
130
140
150
160
Right In: 1861.525+/-409.524 χ²/NDF: 5.3/15
Left Out: 1862.863+/-334.296 χ²/NDF:11.8/13
Right Out: -2050.842+/-409.249 χ²/NDF: 12.5/17
Left In: -1608.419+/-335.372 χ²/NDF:15.7/12
+ sign 1862.328+/-258.969 χ²/NDF: 17.2/29
All: 41.102+/-183.270 χ²/NDF: 145.2/60
- sign -1786.164+/-259.398 χ²/NDF: 28.9/30

cor_asym_usl_rms vs Slug



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

Left Out: 1109.337+/-0.236 χ^2/NDF:1448.5/13

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

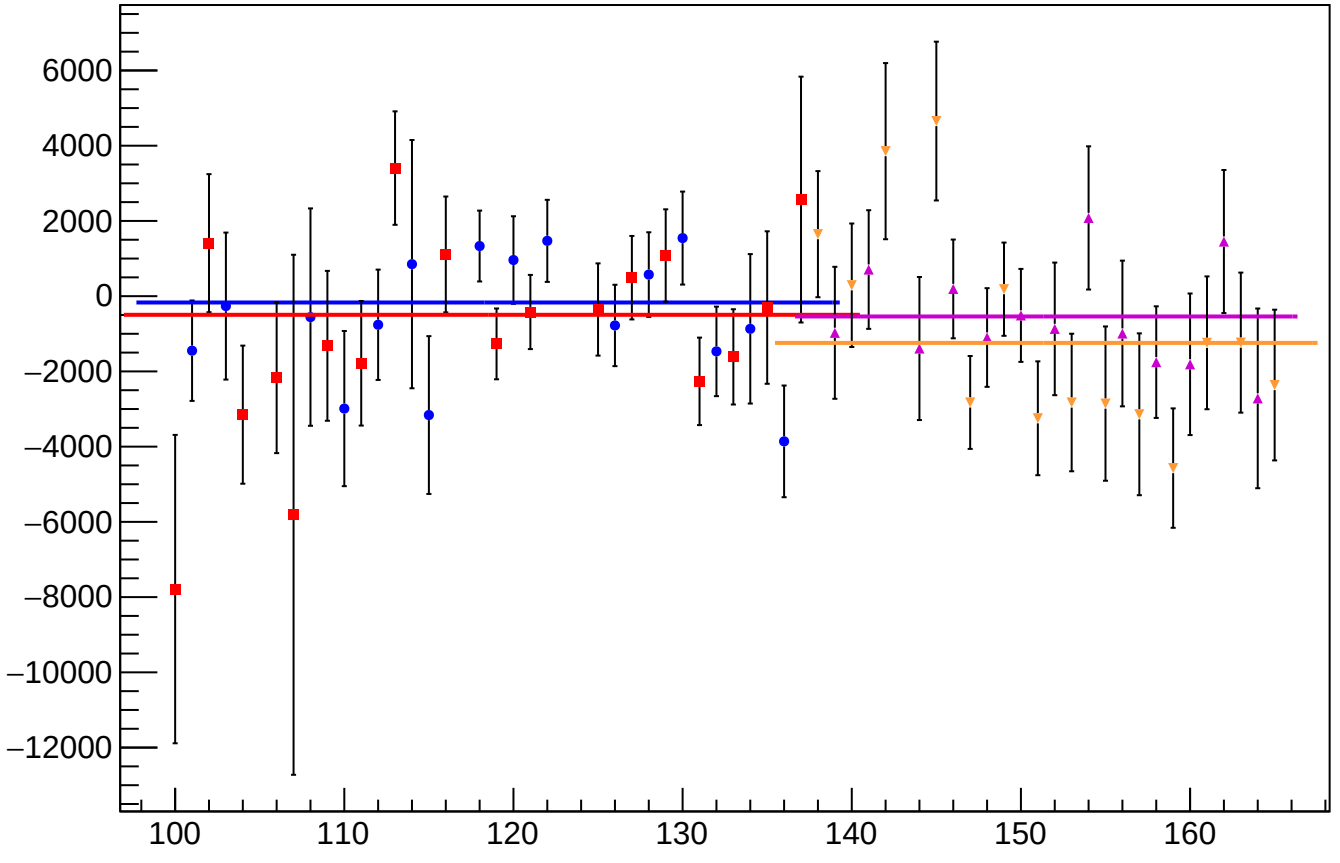
Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

+ sign 1106.485+/-0.183 χ^2/NDF: 13161.5/29

All: 1108.588+/-0.130 χ^2/NDF: 23564.0/60

- sign 1110.698+/-0.183 χ^2/NDF: 10138.3/30

asym_usl_cor_correction_mean vs Slug



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

Left Out: -1241.880+/-452.381 χ^2/NDF:28.0/13

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

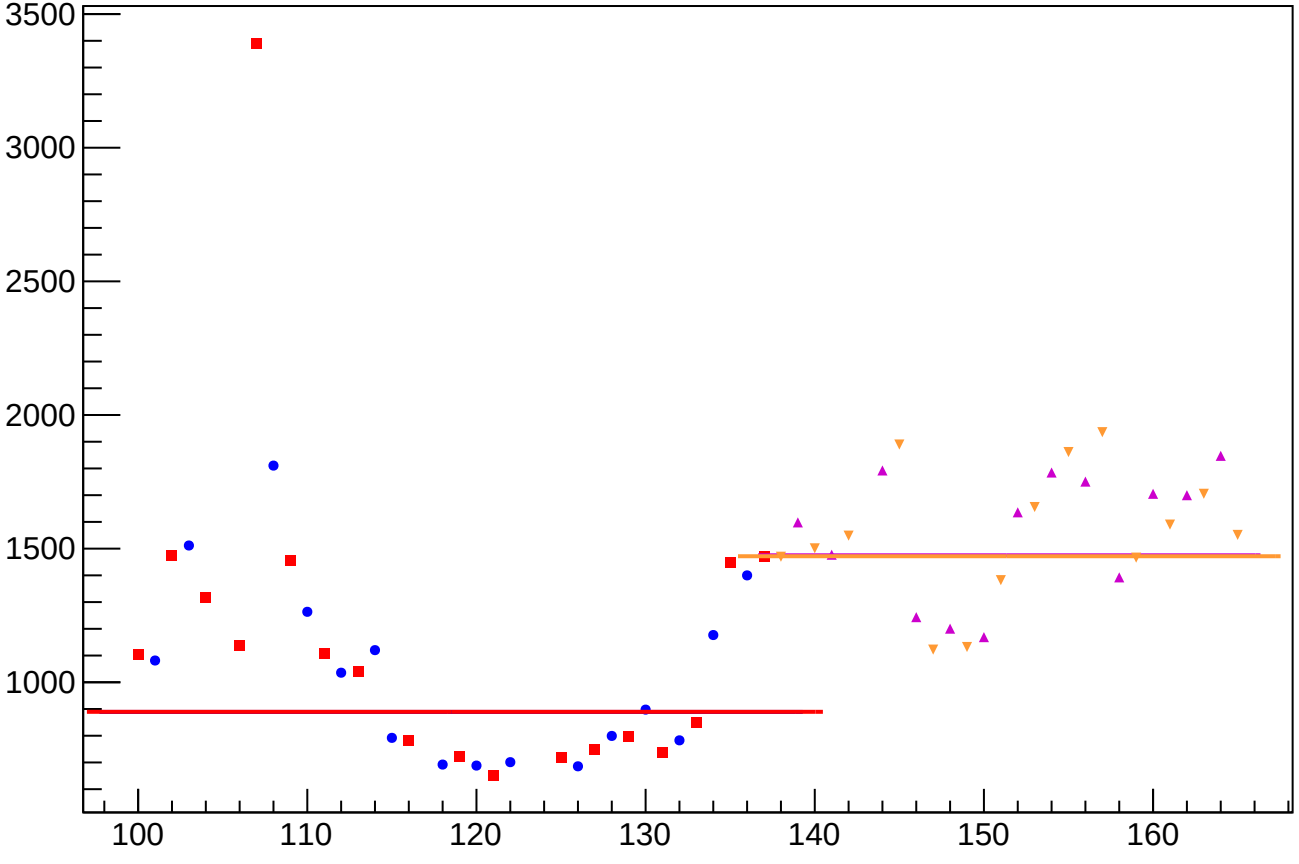
Left In: -539.958+/-452.996 χ^2/NDF:6.4/12

+ sign -563.469+/-274.549 χ^2/NDF: 52.5/29

All: -537.537+/-194.116 χ^2/NDF: 82.3/60

- sign -511.616+/-274.492 χ^2/NDF: 29.7/30

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1471.553+/-0.320 χ^2/NDF:627938.3/13

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

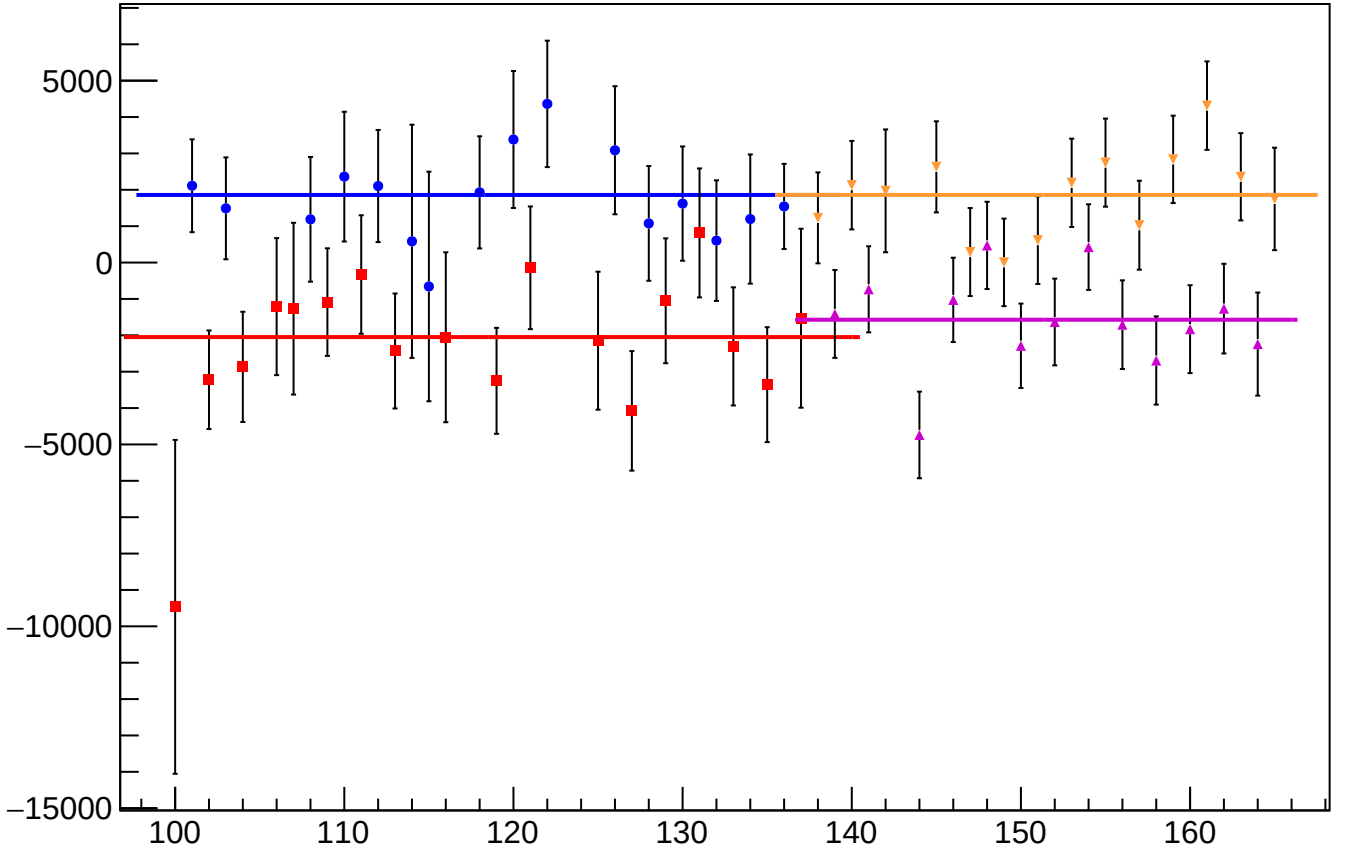
Left In: 1475.078+/-0.320 χ^2/NDF:560851.3/12

+ sign 1103.541+/-0.194 χ^2/NDF: 3856022.6/29

All: 1104.018+/-0.137 χ^2/NDF: 7877718.5/60

- sign 1104.494+/-0.194 χ^2/NDF: 4021683.8/30

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1859.453+/-333.949 χ^2/NDF:11.8/13

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

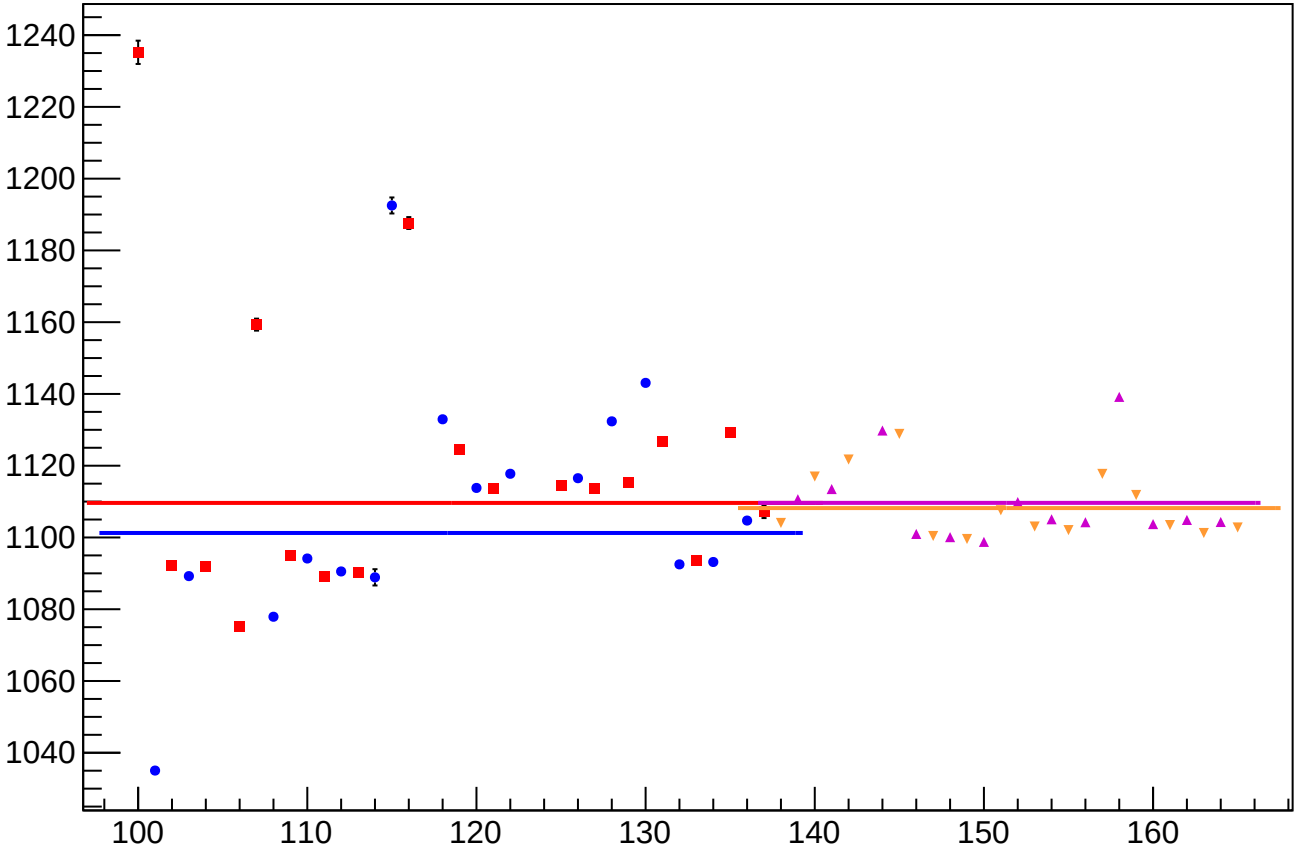
Left In: -1571.755+/-335.031 χ^2/NDF:15.2/12

+ sign 1859.145+/-258.718 χ^2/NDF: 17.2/29

All: 50.931+/-183.094 χ^2/NDF: 143.8/60

- sign -1763.324+/-259.150 χ^2/NDF: 28.7/30

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1108.191+/-0.236 χ^2/NDF:1339.5/13

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

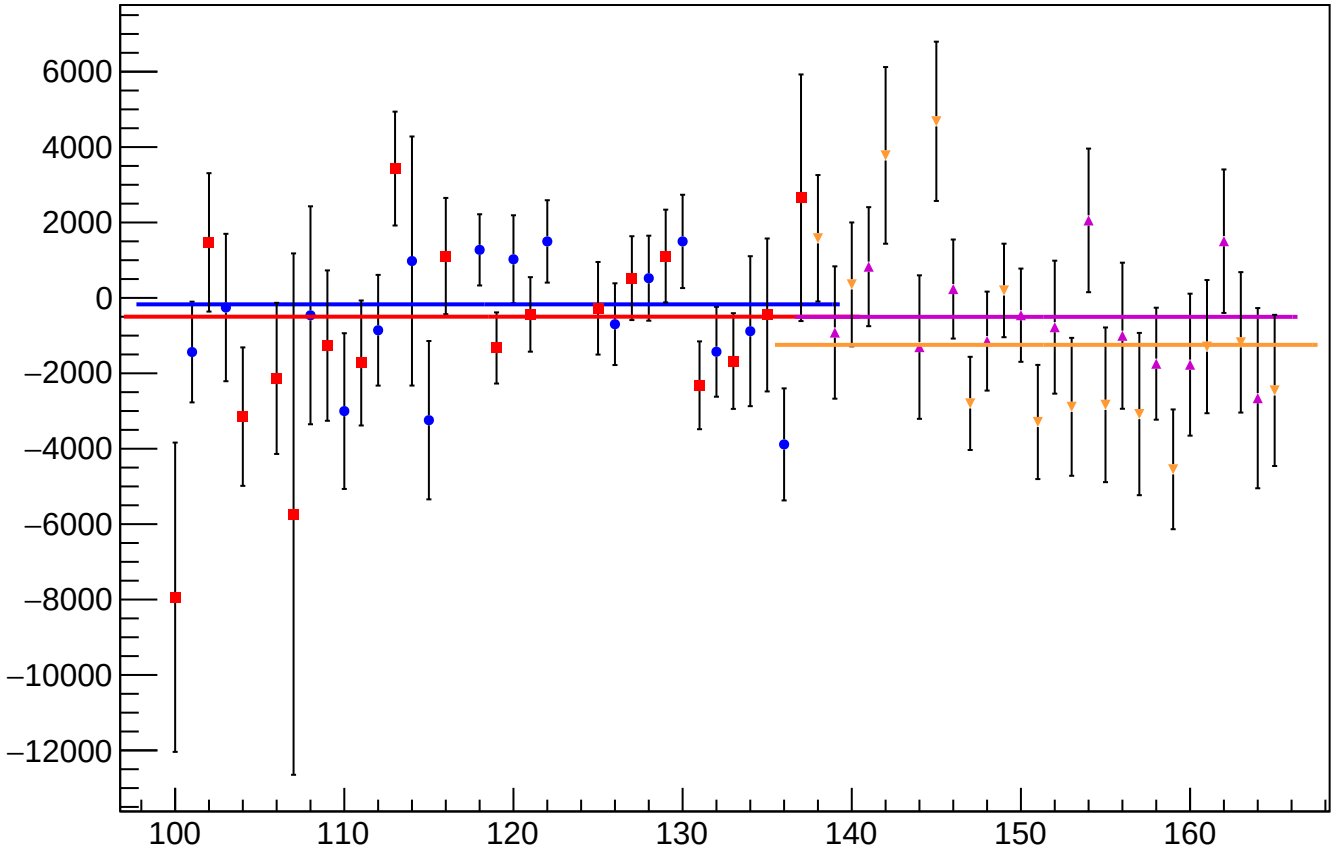
Left In: 1109.642+/-0.237 χ^2/NDF:2372.5/12

+ sign 1105.418+/-0.183 χ^2/NDF: 12992.8/29

All: 1107.524+/-0.129 χ^2/NDF: 23303.8/60

- sign 1109.637+/-0.183 χ^2/NDF: 10045.5/30

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -1245.031+/-452.651 χ^2/NDF:27.9/13

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

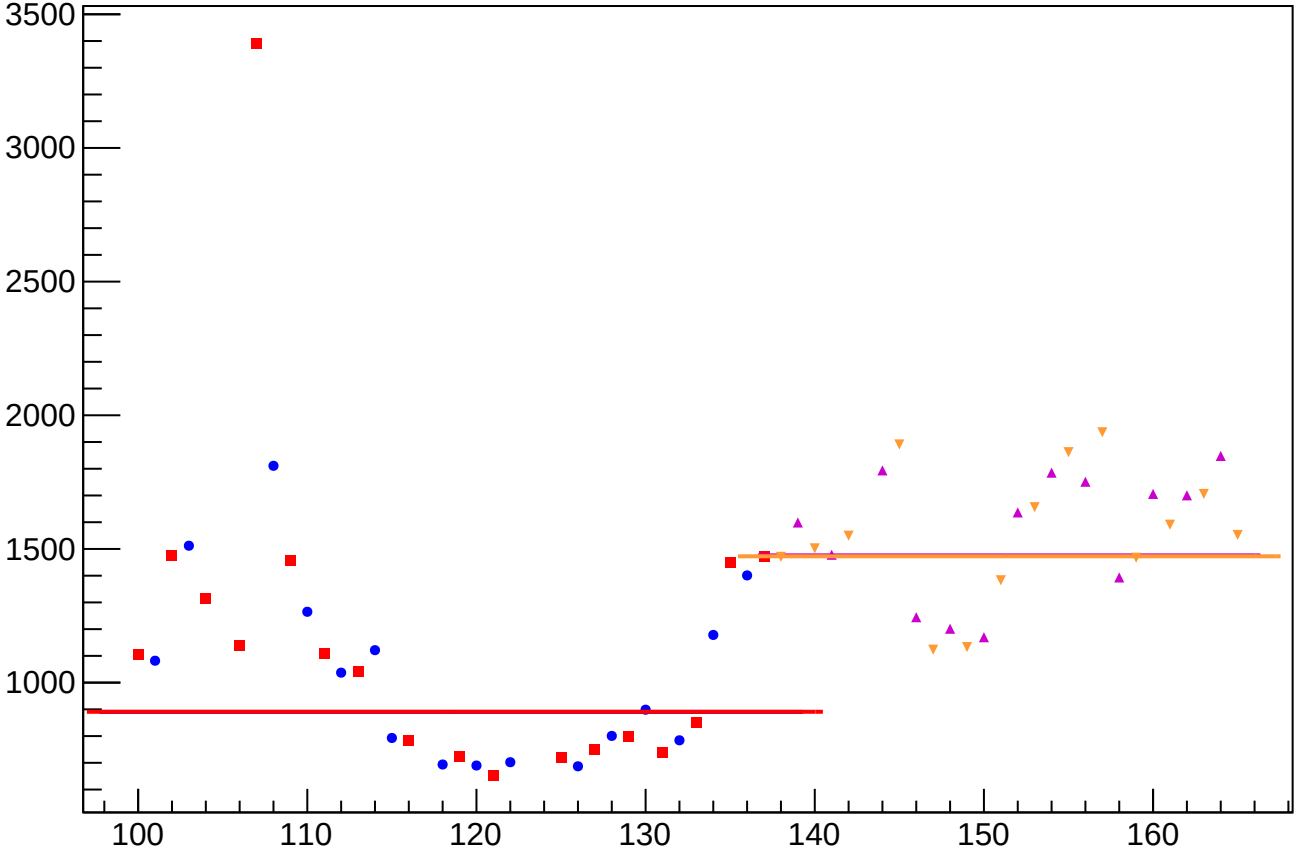
Left In: -502.595+/-453.265 χ^2/NDF:6.5/12

+ sign -567.031+/-274.880 χ^2/NDF: 52.3/29

All: -533.337+/-194.345 χ^2/NDF: 82.8/60

- sign -499.662+/-274.809 χ^2/NDF: 30.4/30

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1472.475+/-0.320 χ^2/NDF:626973.3/13

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

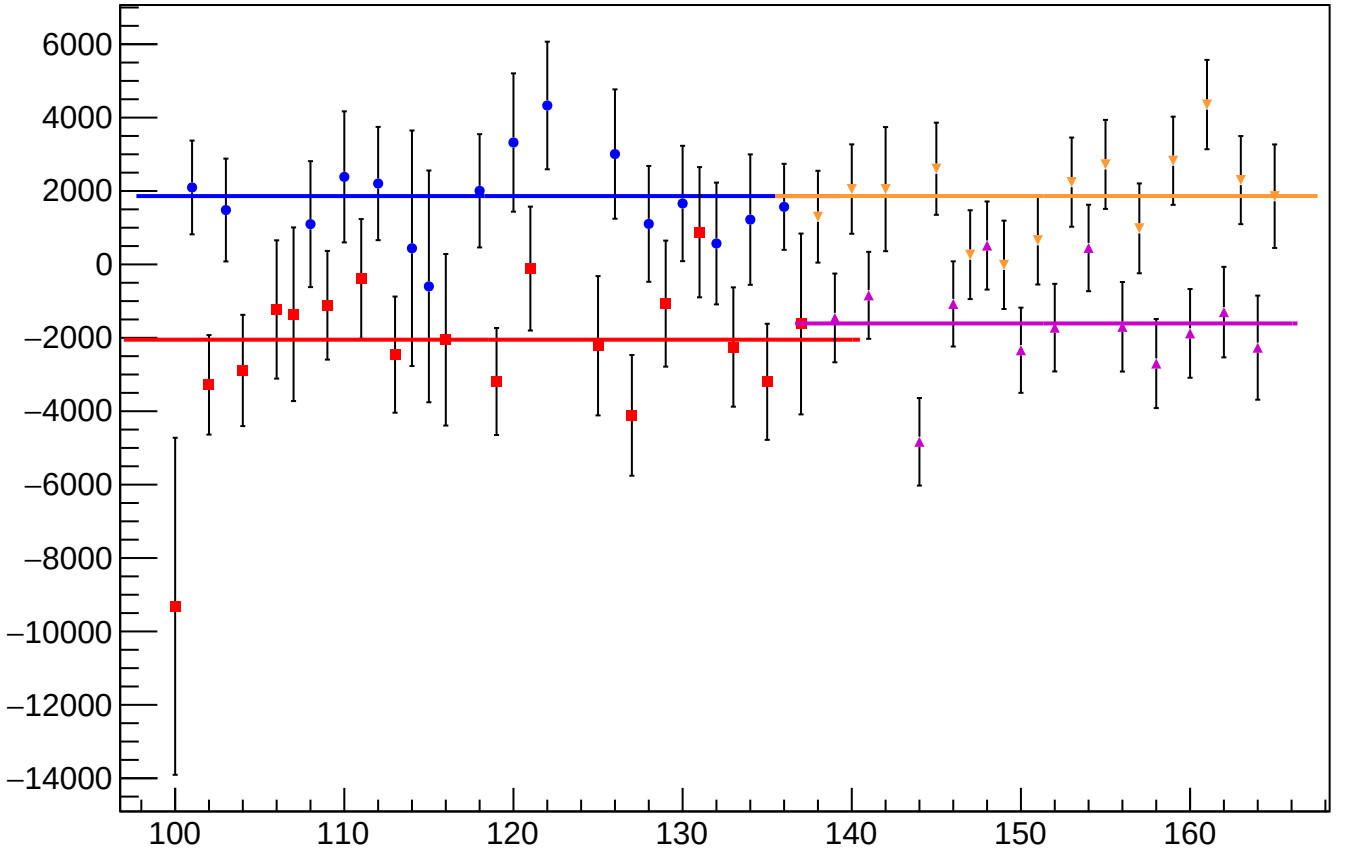
Left In: 1475.991+/-0.321 χ^2/NDF:559918.7/12

+ sign 1105.114+/-0.194 χ^2/NDF: 3842625.1/29

All: 1105.555+/-0.137 χ^2/NDF: 7851617.7/60

- sign 1105.995+/-0.194 χ^2/NDF: 4008982.3/30

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1862.863+/-334.296 χ^2/NDF:11.8/13

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

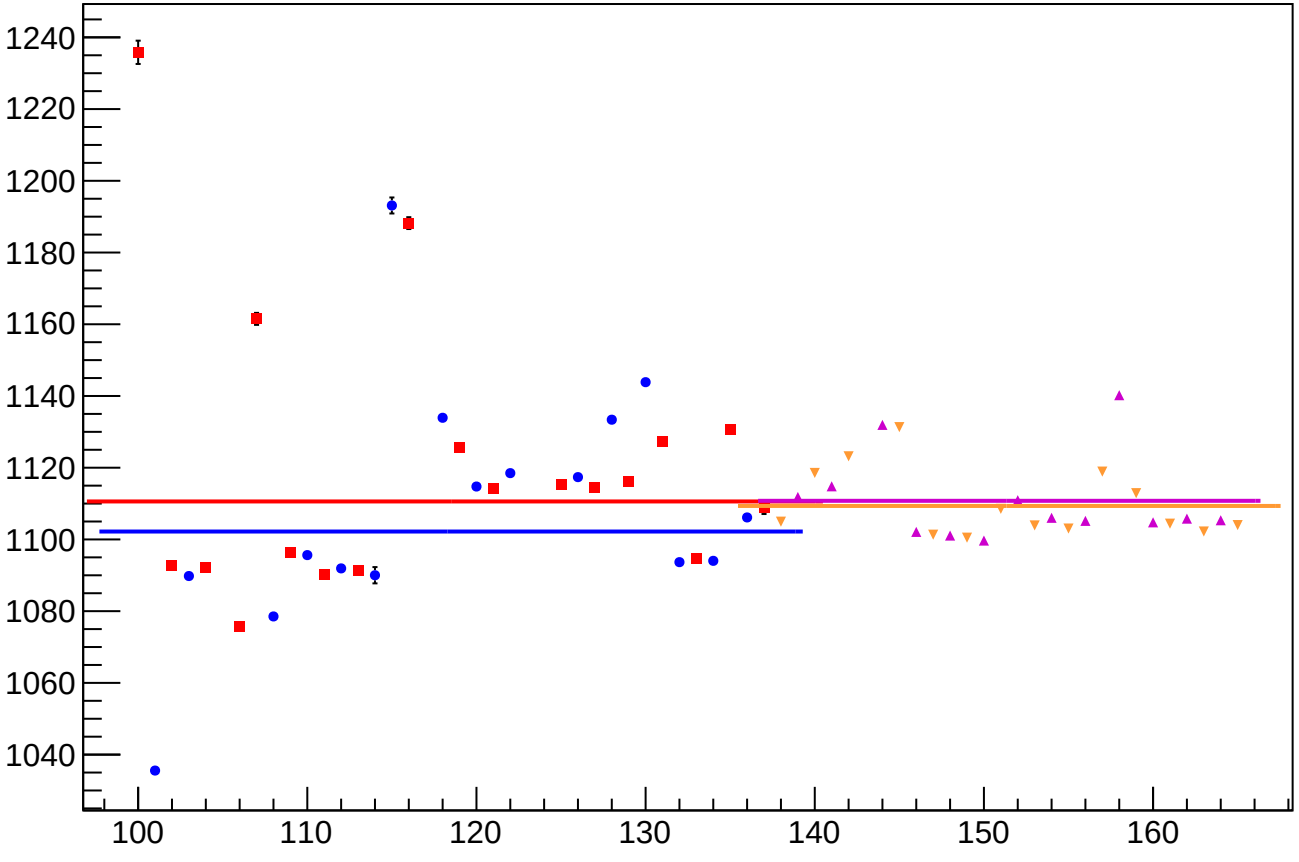
Left In: -1608.419+/-335.372 χ^2/NDF:15.7/12

+ sign 1862.328+/-258.969 χ^2/NDF: 17.2/29

All: 41.102+/-183.270 χ^2/NDF: 145.2/60

- sign -1786.164+/-259.398 χ^2/NDF: 28.9/30

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1109.337+/-0.236 χ^2/NDF:1448.5/13

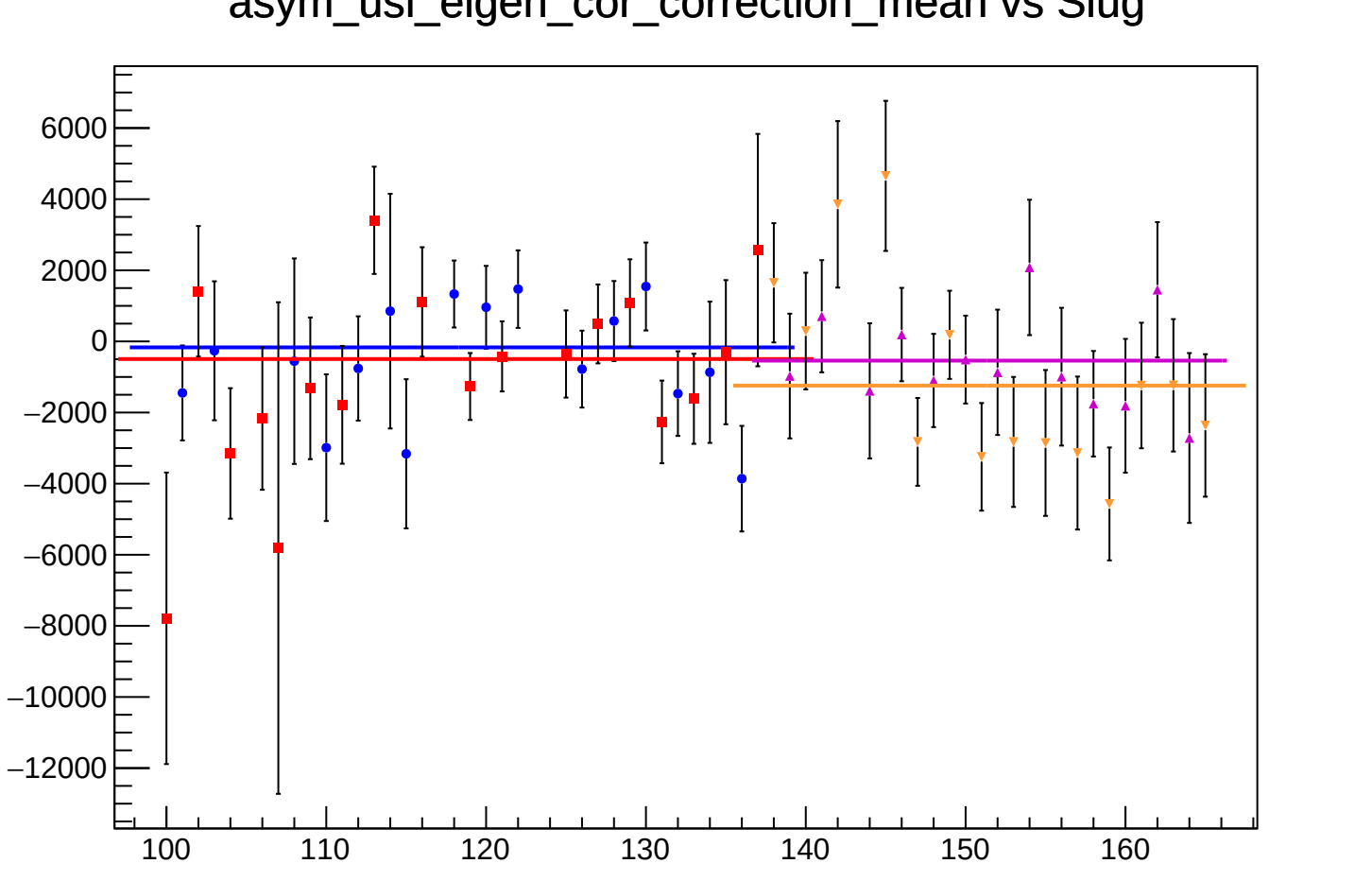
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

+ sign 1106.485+/-0.183 χ^2/NDF: 13161.5/29

All: 1108.588+/-0.130 χ^2/NDF: 23564.0/60

- sign 1110.698+/-0.183 χ^2/NDF: 10138.3/30



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

Left Out: -1241.880+/-452.381 χ^2/NDF:28.0/13

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

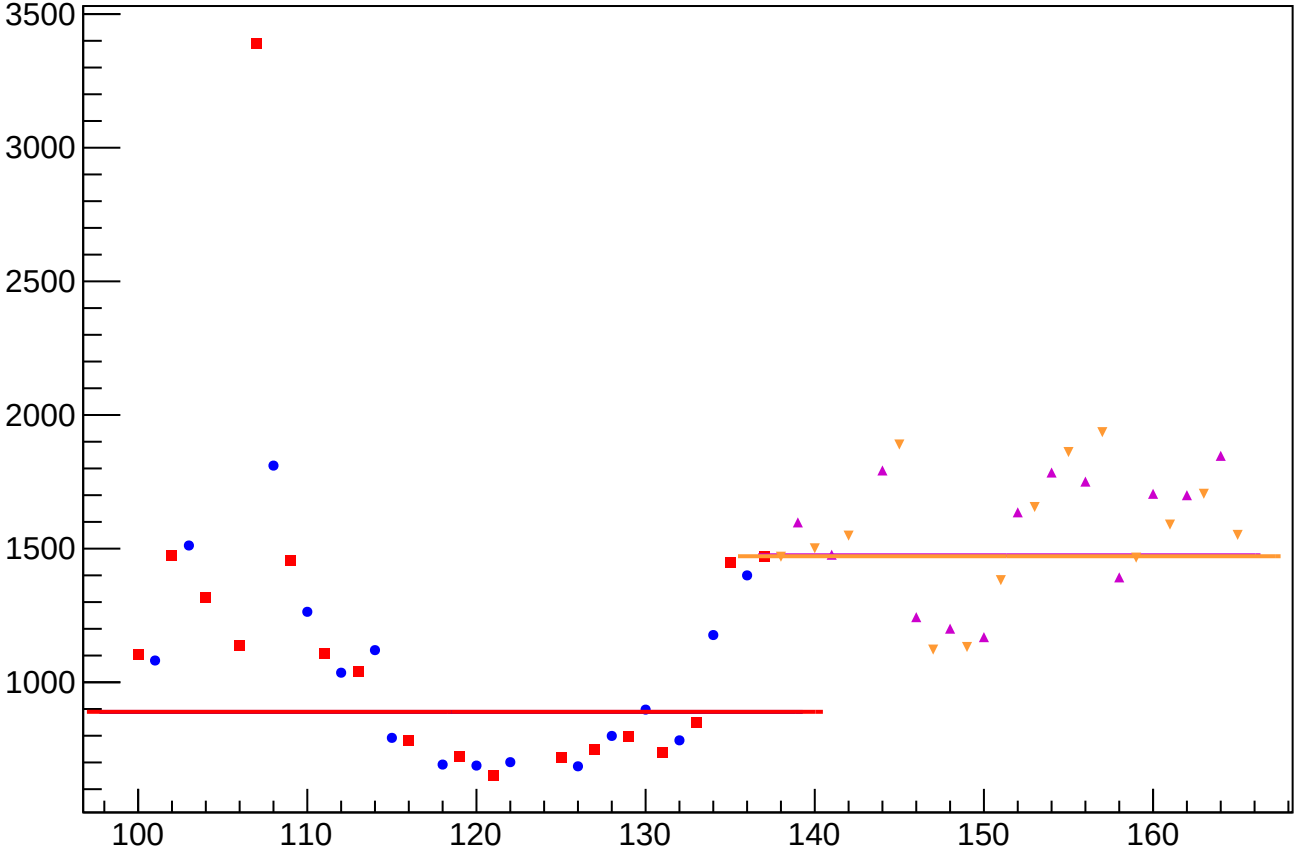
Left In: -539.958+/-452.996 χ^2/NDF:6.4/12

+ sign -563.469+/-274.549 χ^2/NDF: 52.5/29

All: -537.537+/-194.116 χ^2/NDF: 82.3/60

- sign -511.616+/-274.492 χ^2/NDF: 29.7/30

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1471.553+/-0.320 χ^2/NDF:627938.3/13

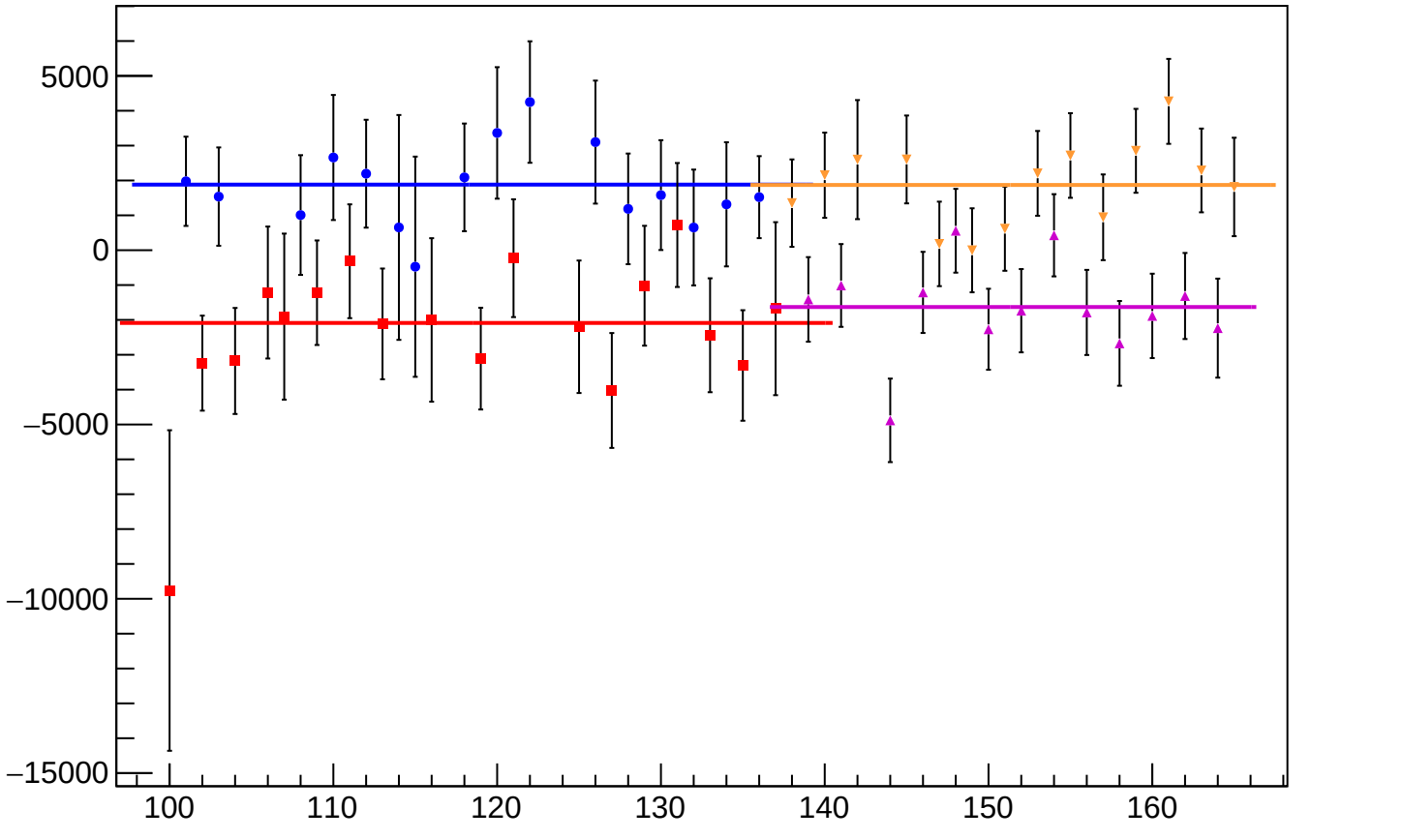
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1475.078+/-0.320 χ^2/NDF:560851.3/12

+ sign 1103.541+/-0.194 χ^2/NDF: 3856022.6/29

All: 1104.018+/-0.137 χ^2/NDF: 7877718.5/60

- sign 1104.494+/-0.194 χ^2/NDF: 4021683.8/30



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

Left Out: 1871.165+/-335.020 χ^2/NDF:12.0/13

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

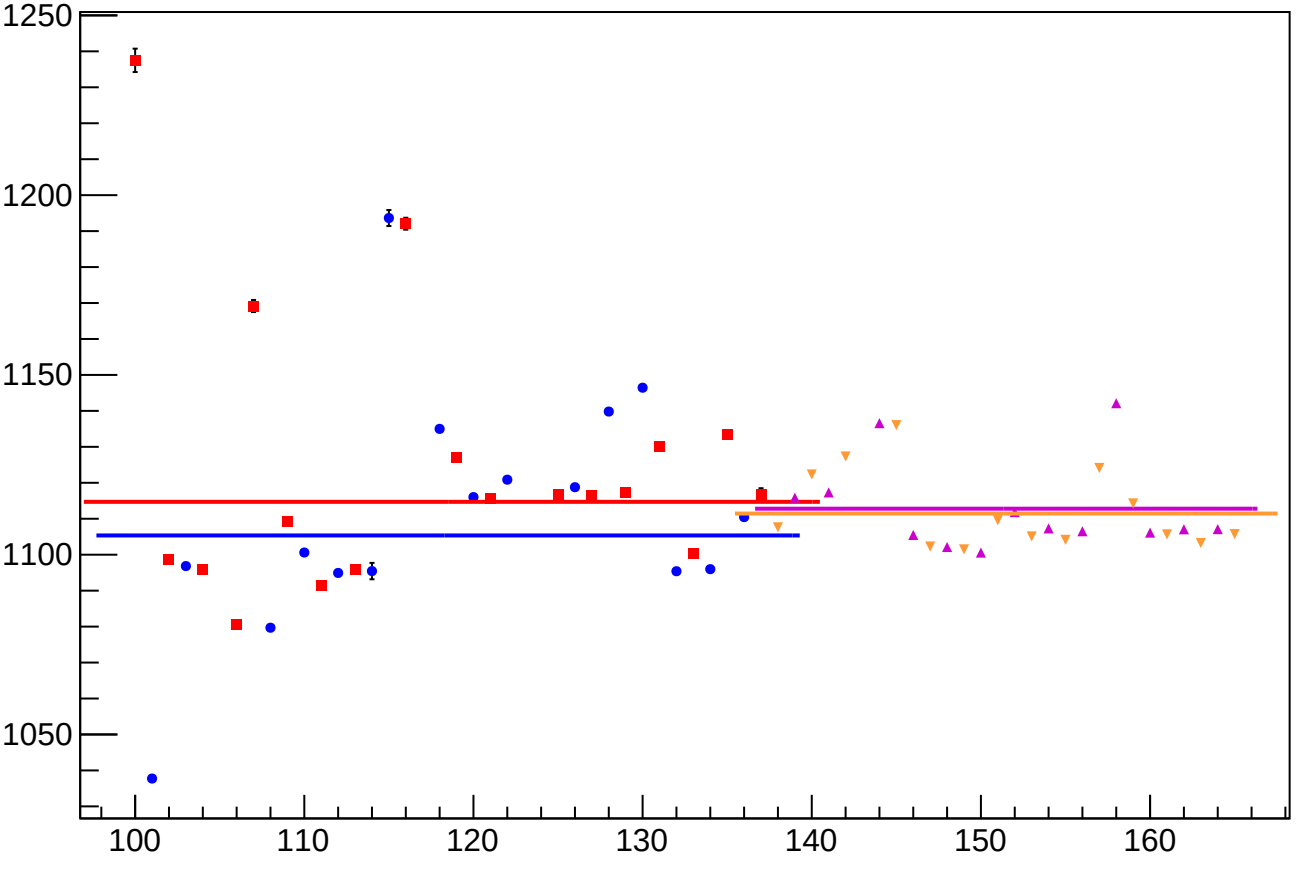
Left In: -1629.886+/-335.992 χ^2/NDF:15.5/12

+ sign 1875.304+/-259.603 χ^2/NDF: 17.2/29

All: 34.476+/-183.734 χ^2/NDF: 146.5/60

- sign -1813.070+/-260.076 χ^2/NDF: 28.6/30

dit_asym_usl_rms vs Slug



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

Left Out: 1111.443+/-0.237 χ^2/NDF:1889.3/13

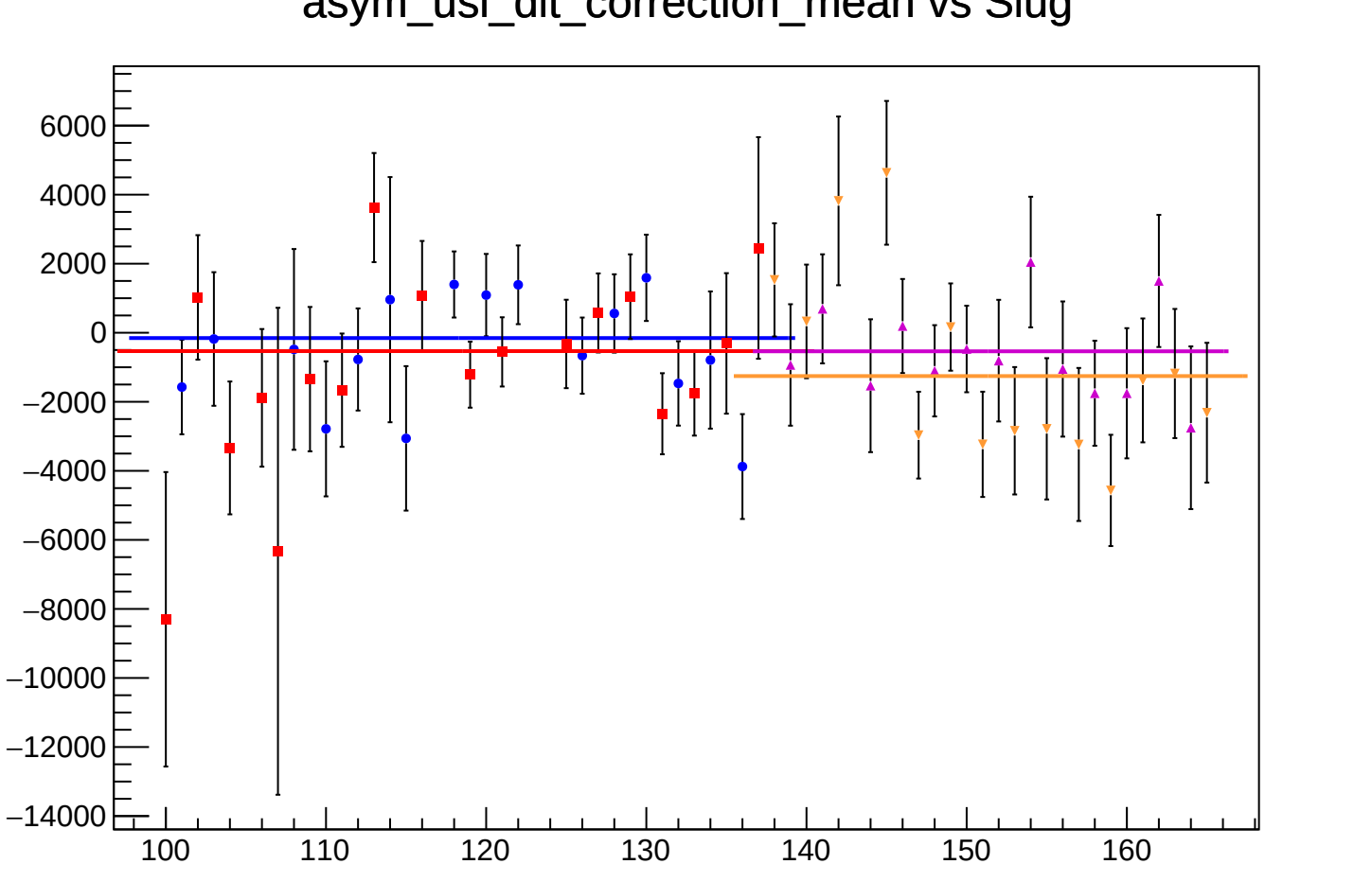
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1112.796+/-0.238 χ^2/NDF:2684.9/12

+ sign 1109.011+/-0.184 χ^2/NDF: 13484.1/29

All: 1111.282+/-0.130 χ^2/NDF: 23831.9/60

- sign 1113.561+/-0.184 χ^2/NDF: 10041.0/30



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

Left Out: -1255.328+/-456.887 χ^2/NDF:27.5/13

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

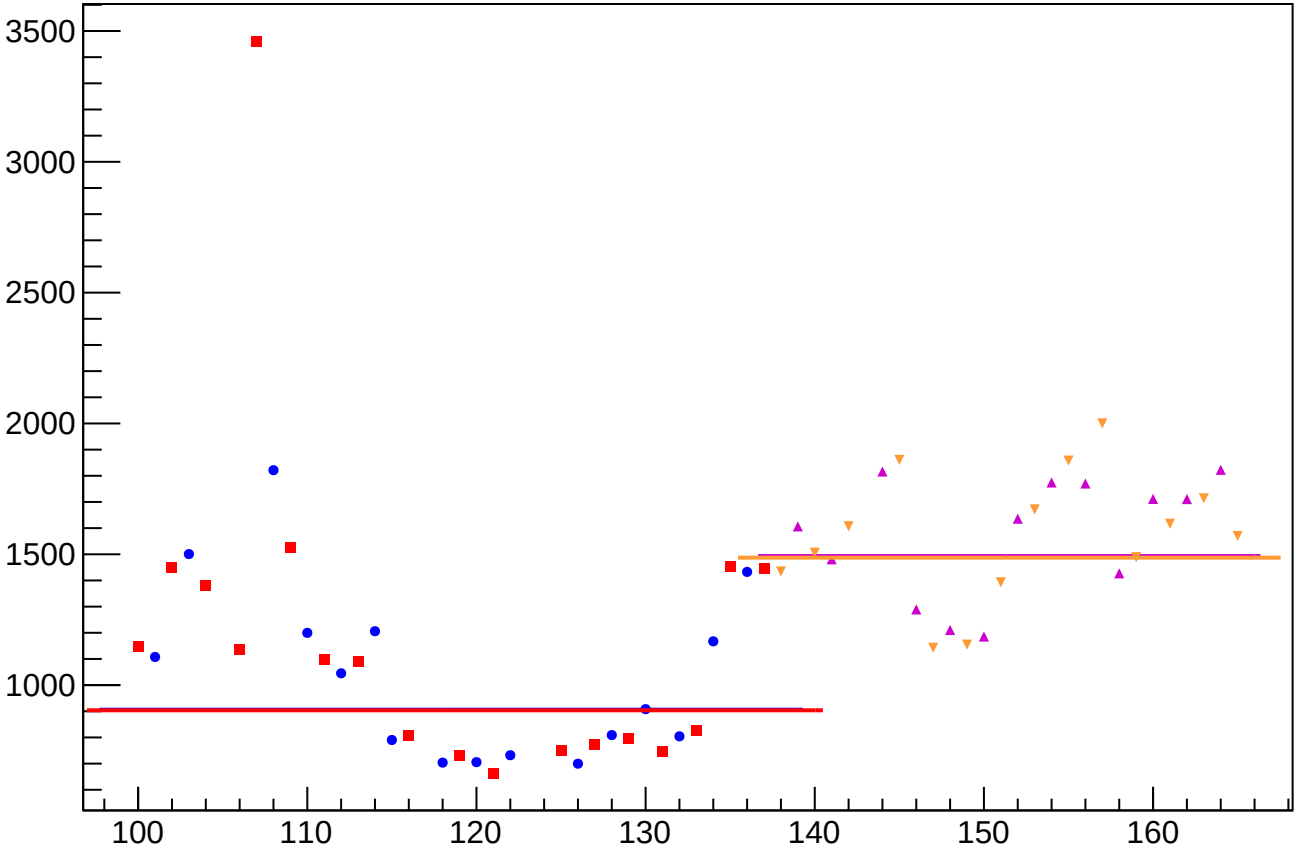
Left In: -537.683+/-457.828 χ^2/NDF:6.4/12

+ sign -563.219+/-278.502 χ^2/NDF: 51.6/29

All: -548.695+/-196.845 χ^2/NDF: 81.3/60

- sign -534.197+/-278.260 χ^2/NDF: 29.7/30

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1487.157+/-0.323 χ^2/NDF:603712.3/13

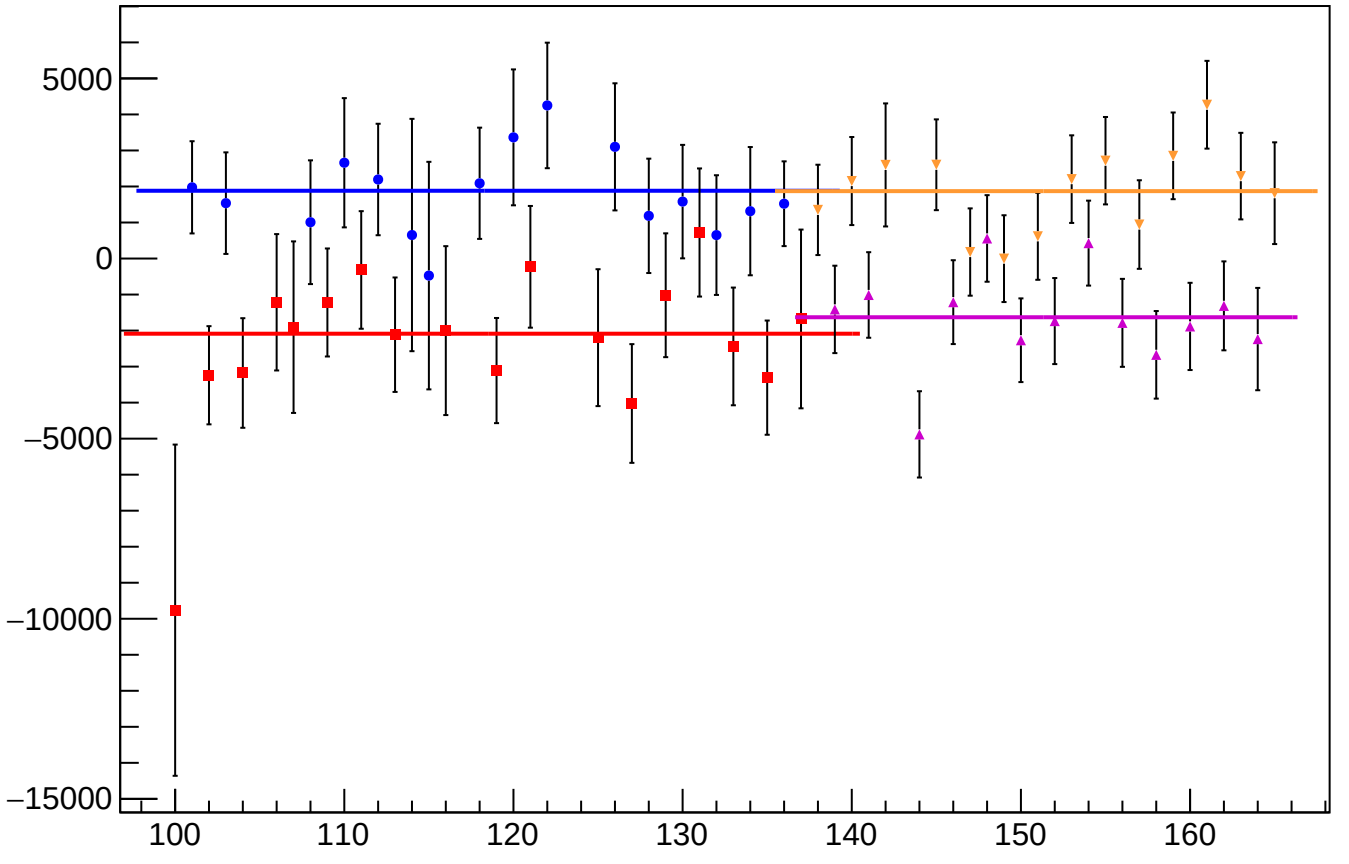
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1493.303+/-0.324 χ^2/NDF:514540.4/12

+ sign 1121.962+/-0.197 χ^2/NDF: 3716454.0/29

All: 1121.747+/-0.139 χ^2/NDF: 7662304.3/60

- sign 1121.532+/-0.197 χ^2/NDF: 3945847.9/30



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

Left Out: 1871.160+/-335.020 χ^2/NDF:12.0/13

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

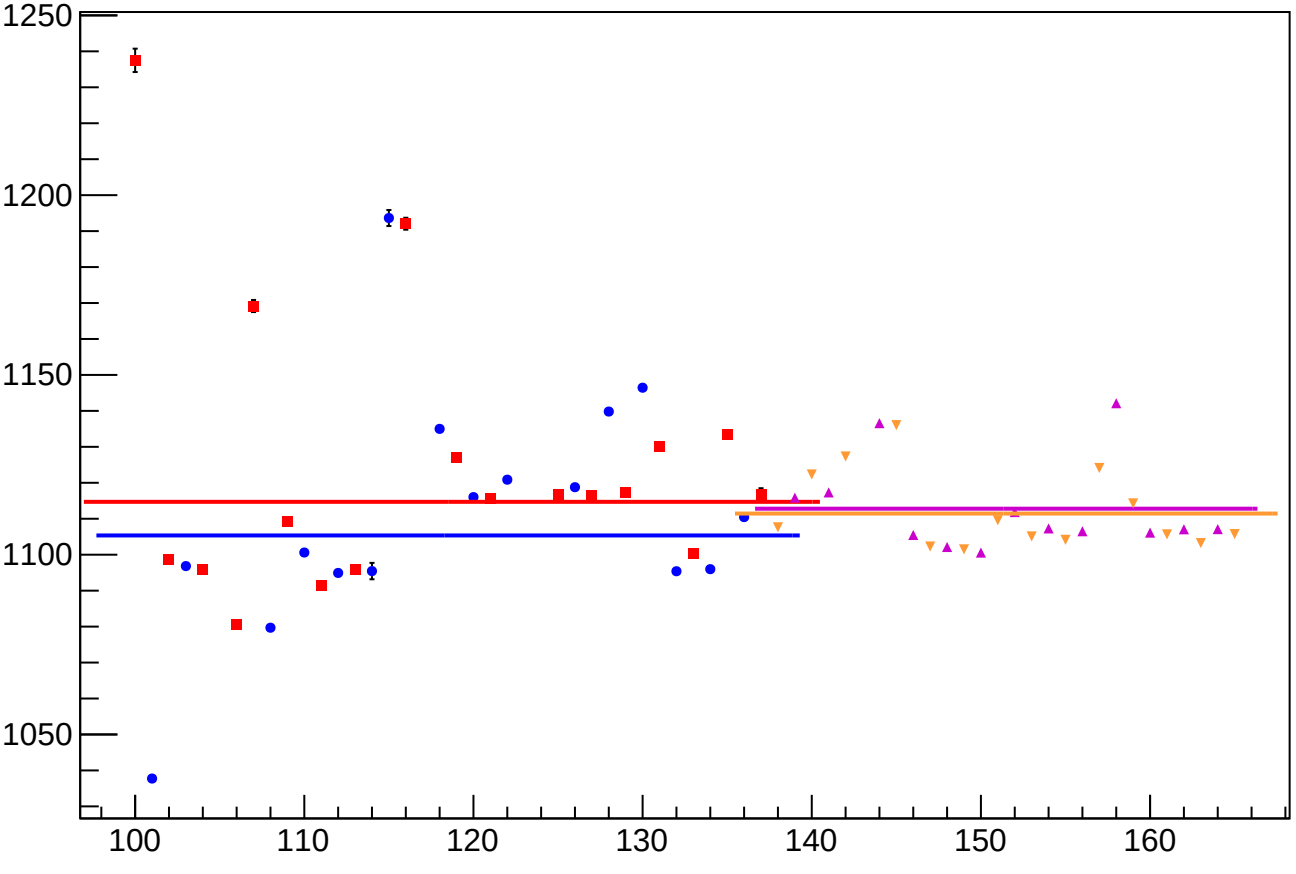
Left In: -1629.888+/-335.992 χ^2/NDF:15.5/12

+ sign 1875.301+/-259.603 χ^2/NDF: 17.2/29

All: 34.474+/-183.734 χ^2/NDF: 146.5/60

- sign -1813.071+/-260.076 χ^2/NDF: 28.6/30

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1111.443+/-0.237 χ^2/NDF:1889.3/13

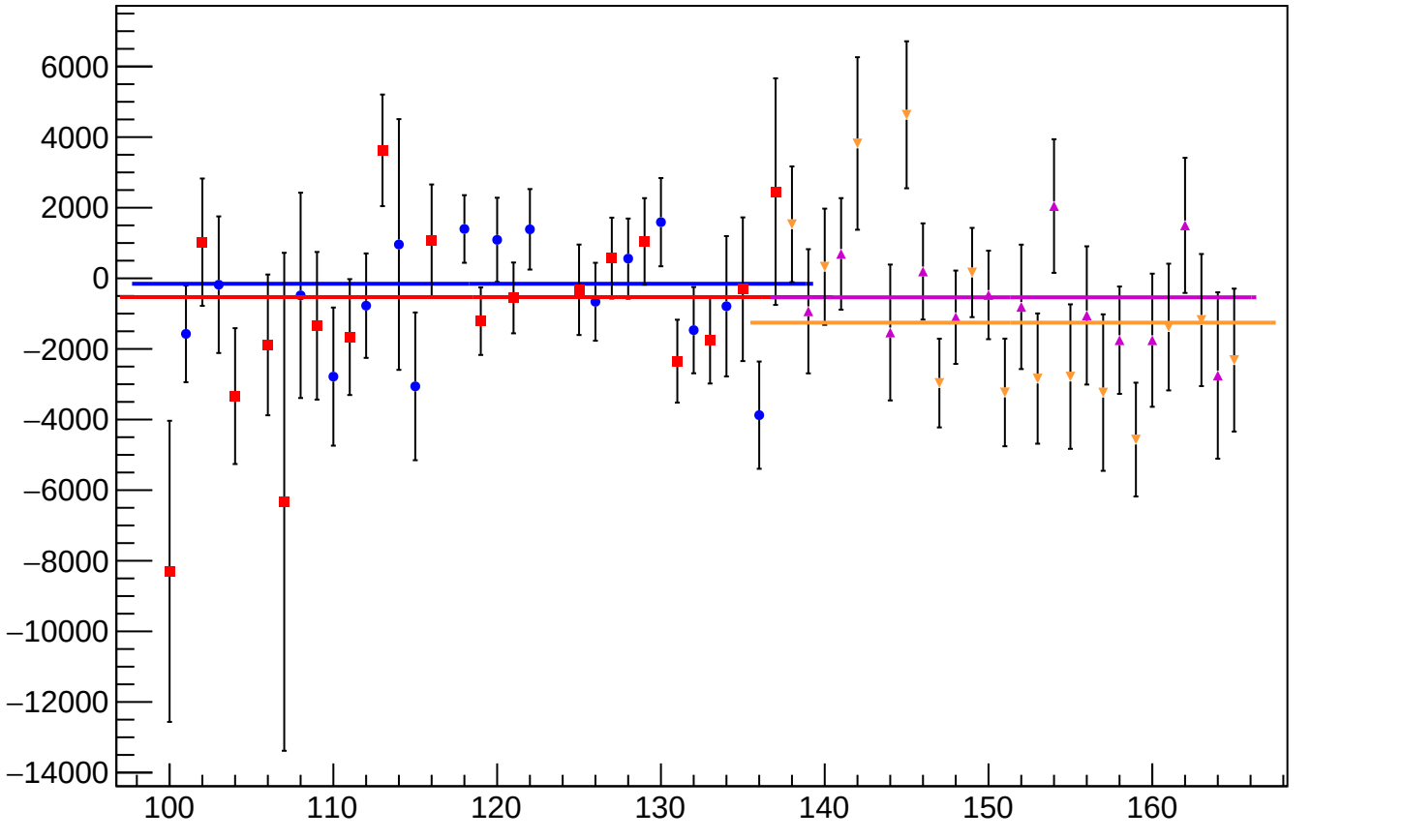
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1112.796+/-0.238 χ^2/NDF:2684.9/12

+ sign 1109.011+/-0.184 χ^2/NDF: 13484.1/29

All: 1111.282+/-0.130 χ^2/NDF: 23831.8/60

- sign 1113.561+/-0.184 χ^2/NDF: 10041.0/30



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

Left Out: -1255.333+/-456.888 χ^2/NDF:27.5/13

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

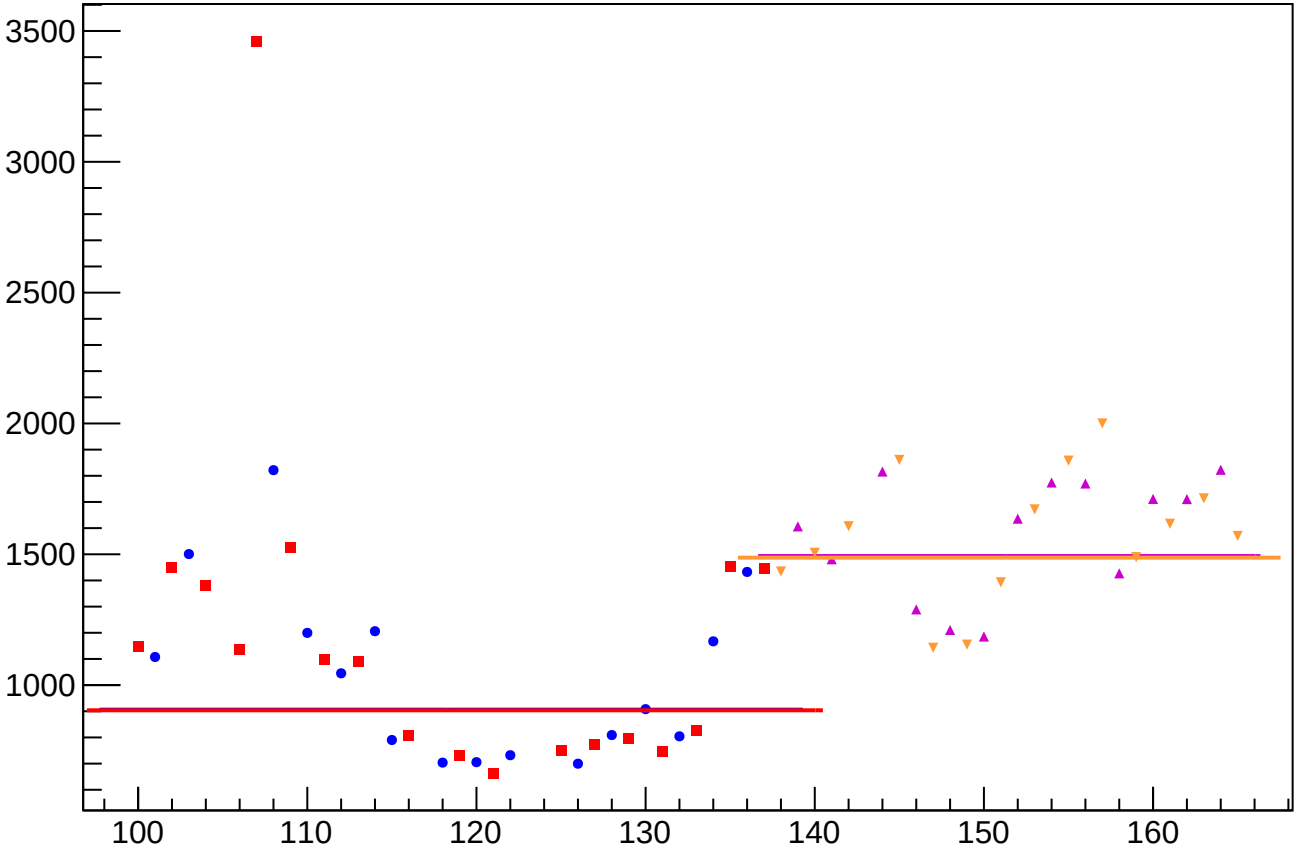
Left In: -537.686+/-457.828 χ^2/NDF:6.4/12

+ sign -563.218+/-278.502 χ^2/NDF: 51.6/29

All: -548.695+/-196.845 χ^2/NDF: 81.3/60

- sign -534.198+/-278.259 χ^2/NDF: 29.7/30

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1487.159+/-0.323 χ^2/NDF:603709.0/13

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

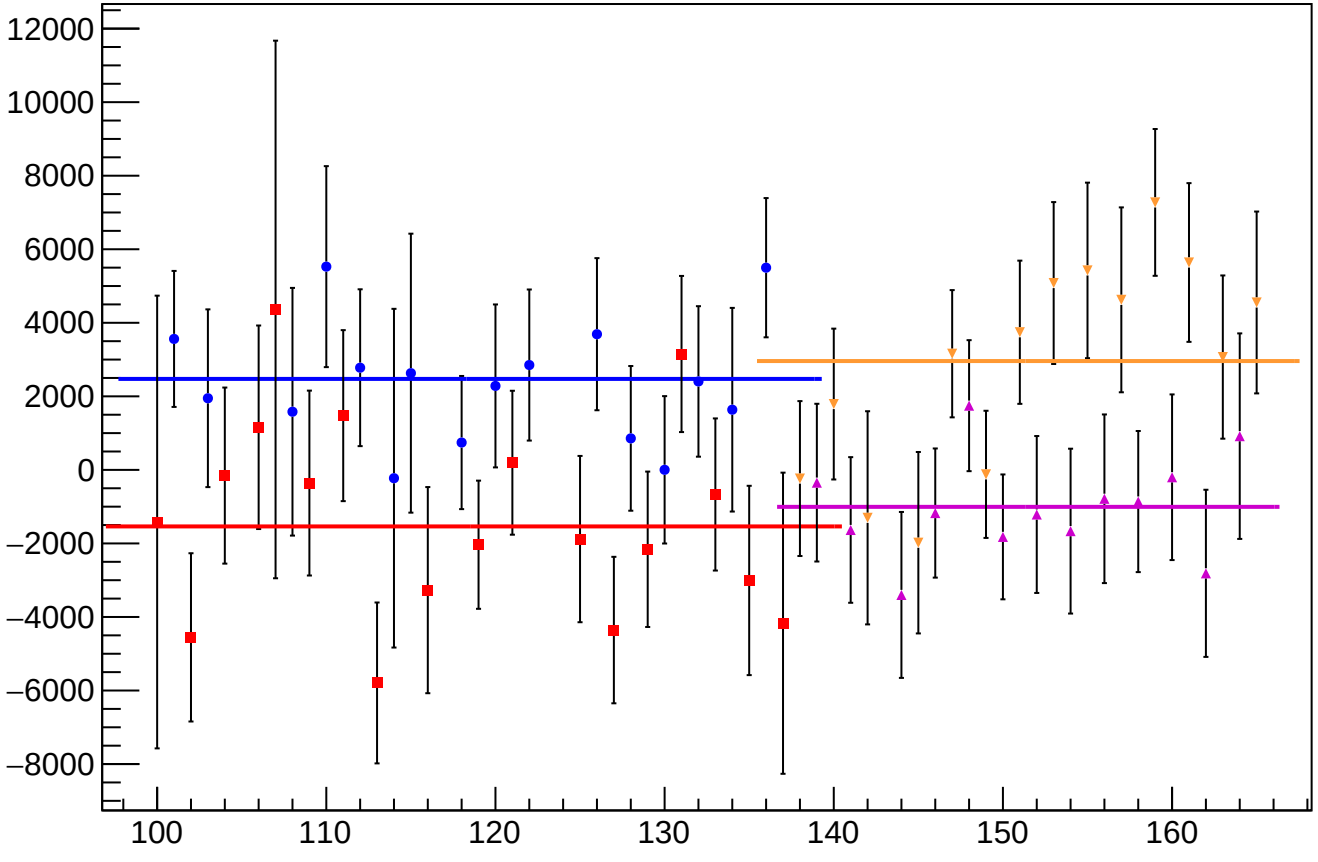
Left In: 1493.305+/-0.324 χ^2/NDF:514536.9/12

+ sign 1121.961+/-0.197 χ^2/NDF: 3716483.5/29

All: 1121.746+/-0.139 χ^2/NDF: 7662362.5/60

- sign 1121.531+/-0.197 χ^2/NDF: 3945876.6/30

asym_usl_mean vs Slug



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

Left Out: 2959.576+/-572.497 χ^2/NDF:21.2/13

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

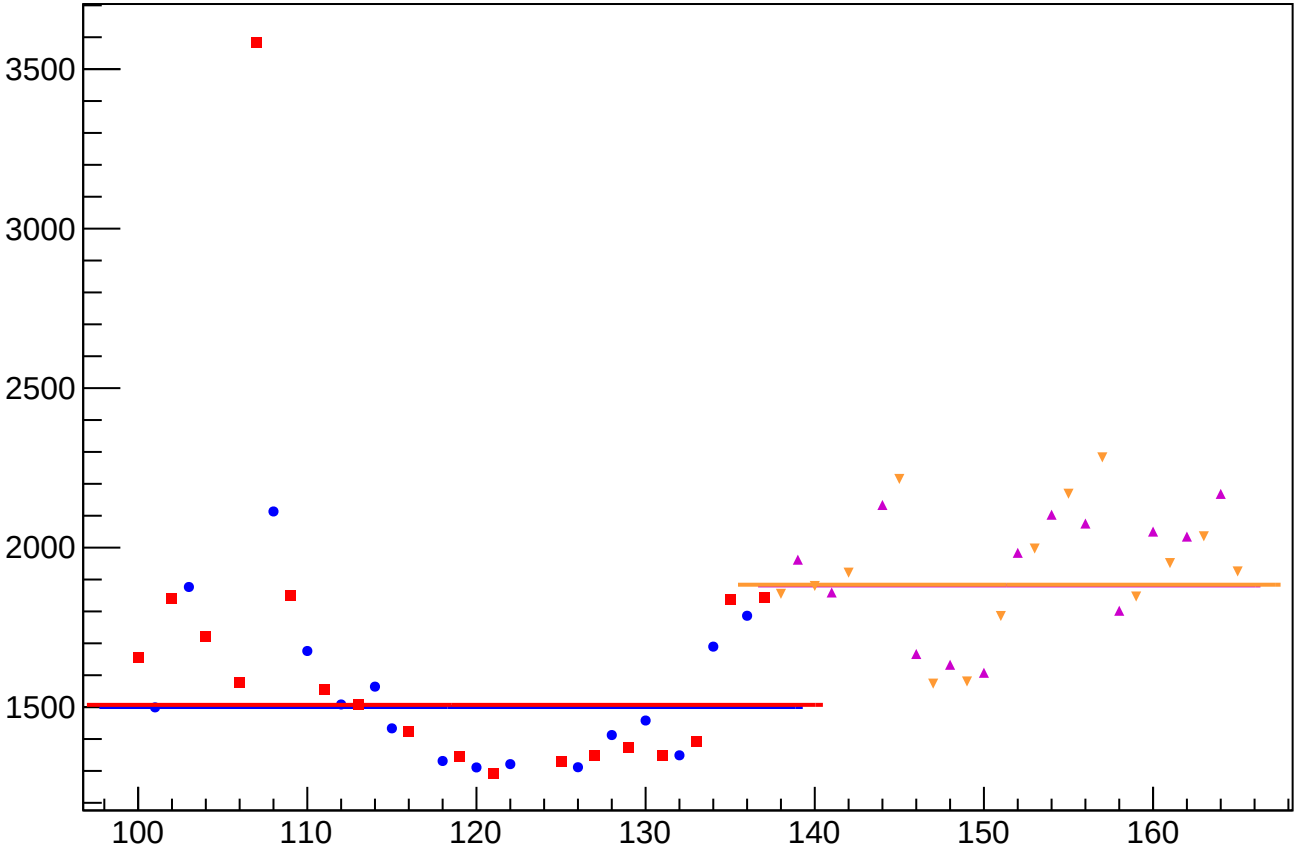
Left In: -1005.139+/-572.193 χ^2/NDF:5.3/12

+ sign 2712.672+/-401.343 χ^2/NDF: 29.8/29

All: 719.515+/-283.852 χ^2/NDF: 103.4/60

- sign -1275.335+/-401.513 χ^2/NDF: 24.2/30

asym_usl_rms vs Slug



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

Left Out: 1883.752+/-0.405 χ^2/NDF:264603.1/13

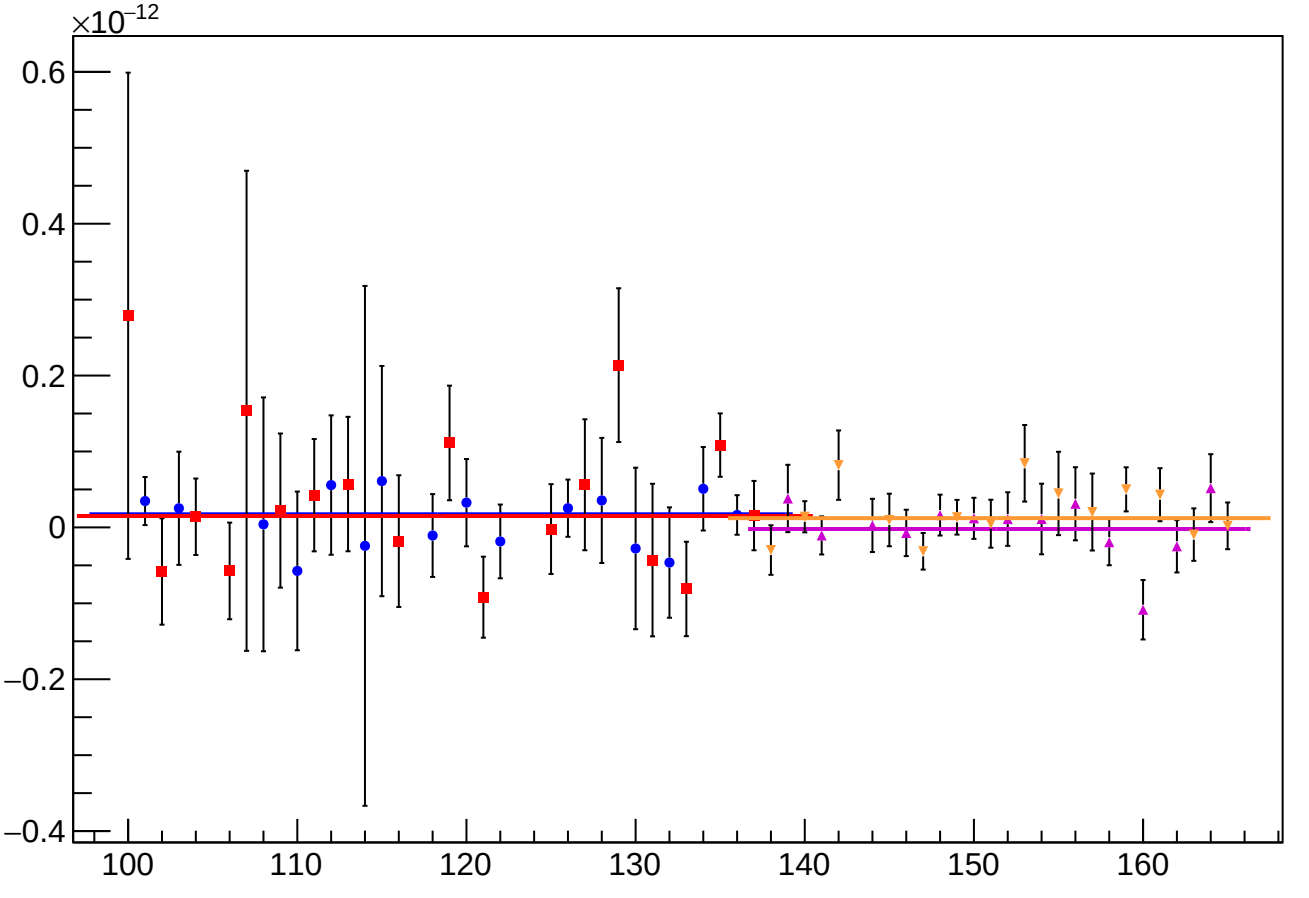
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1881.527+/-0.405 χ^2/NDF:232297.5/12

+ sign 1688.789+/-0.284 χ^2/NDF: 979496.3/29

All: 1690.127+/-0.201 χ^2/NDF: 2047786.1/60

- sign 1691.465+/-0.284 χ^2/NDF: 1068245.4/30



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/13

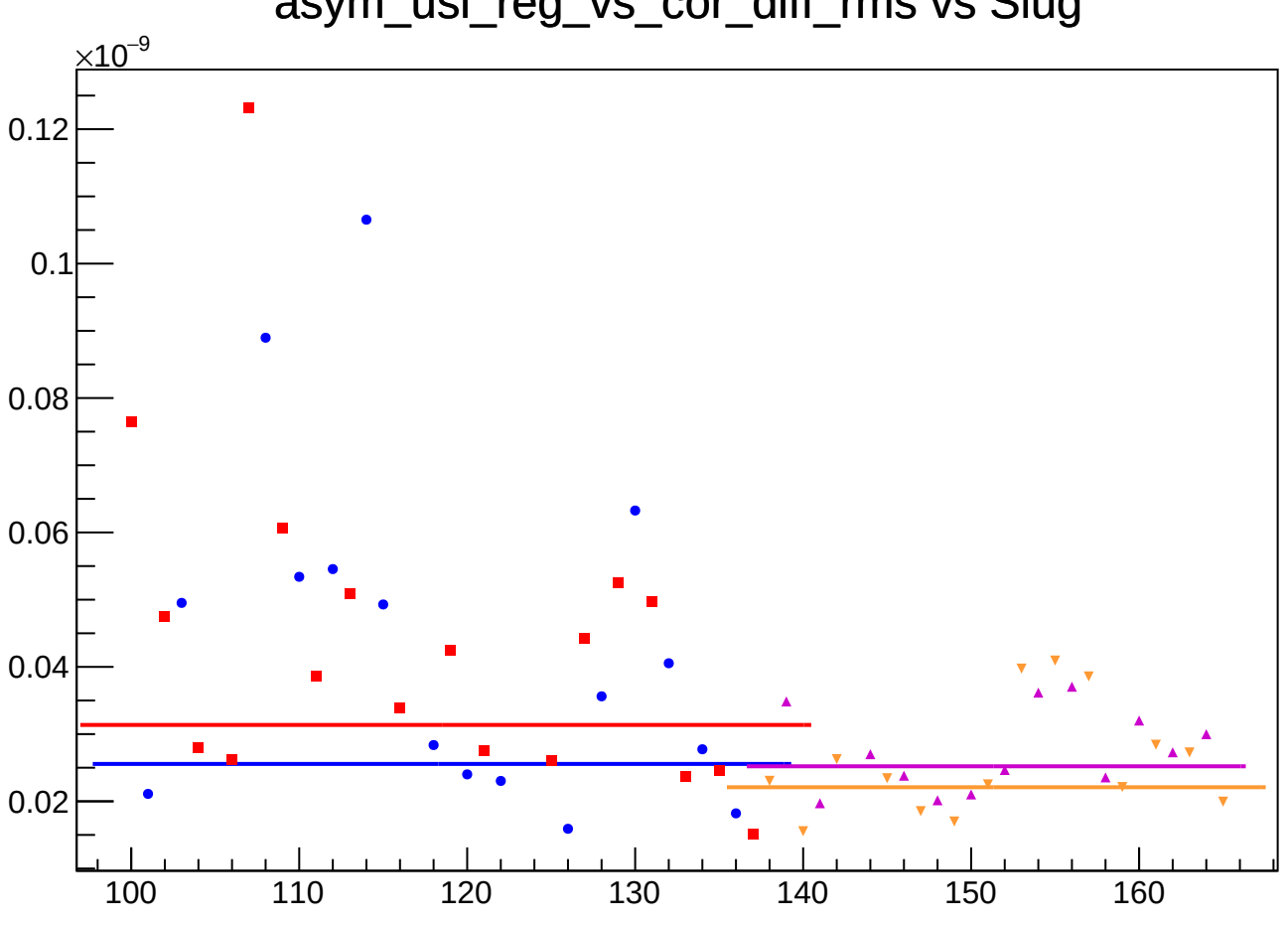
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:12.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 16.3/29

All: 0.000+/-0.000 χ^2/NDF: 51.5/60

- sign 0.000+/-0.000 χ^2/NDF: 34.1/30



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

Left Out: 0.000+/-0.000 χ^2/NDF:1180165.9/13

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

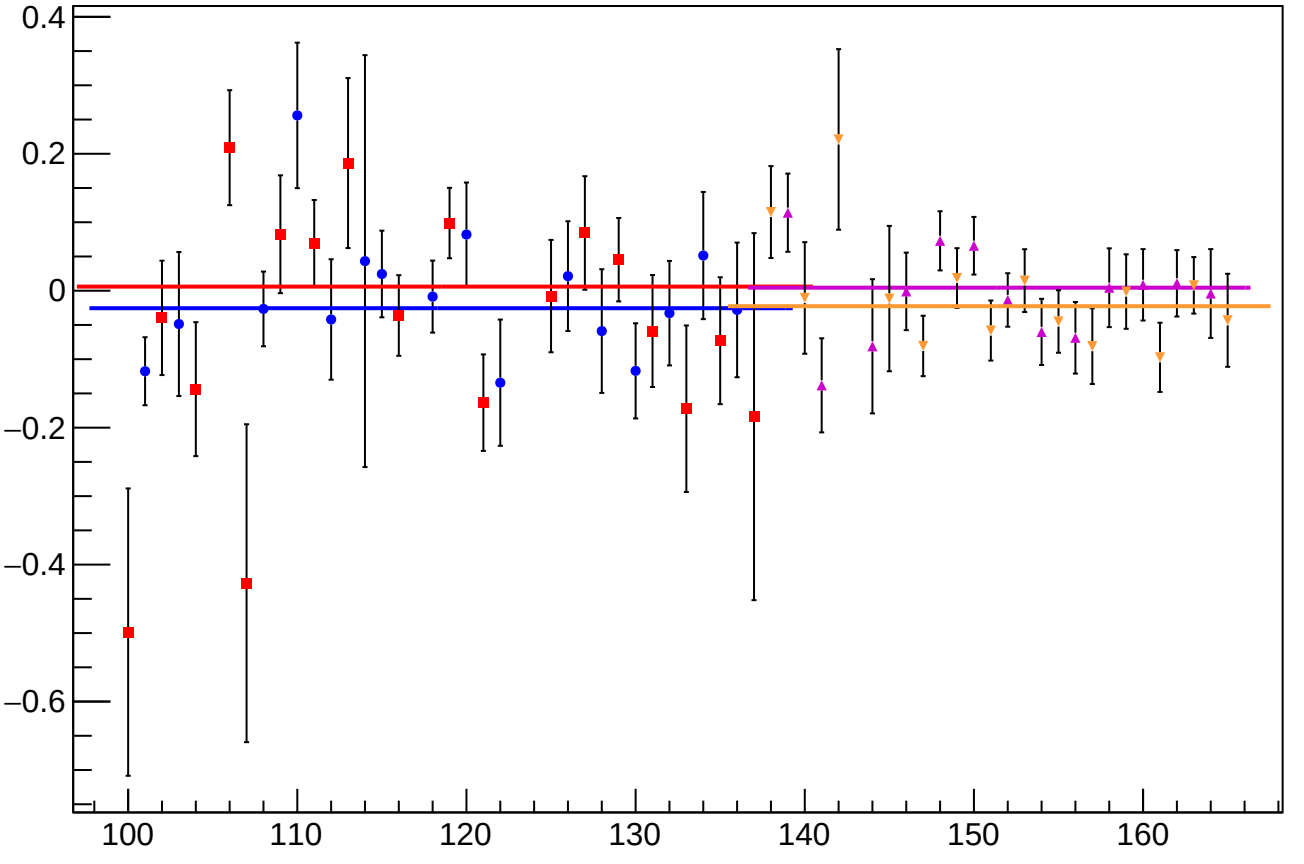
Left In: 0.000+/-0.000 χ^2/NDF:647810.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 2983025.9/29

All: 0.000+/-0.000 χ^2/NDF: 5314338.7/60

- sign 0.000+/-0.000 χ^2/NDF: 2094714.4/30

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

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

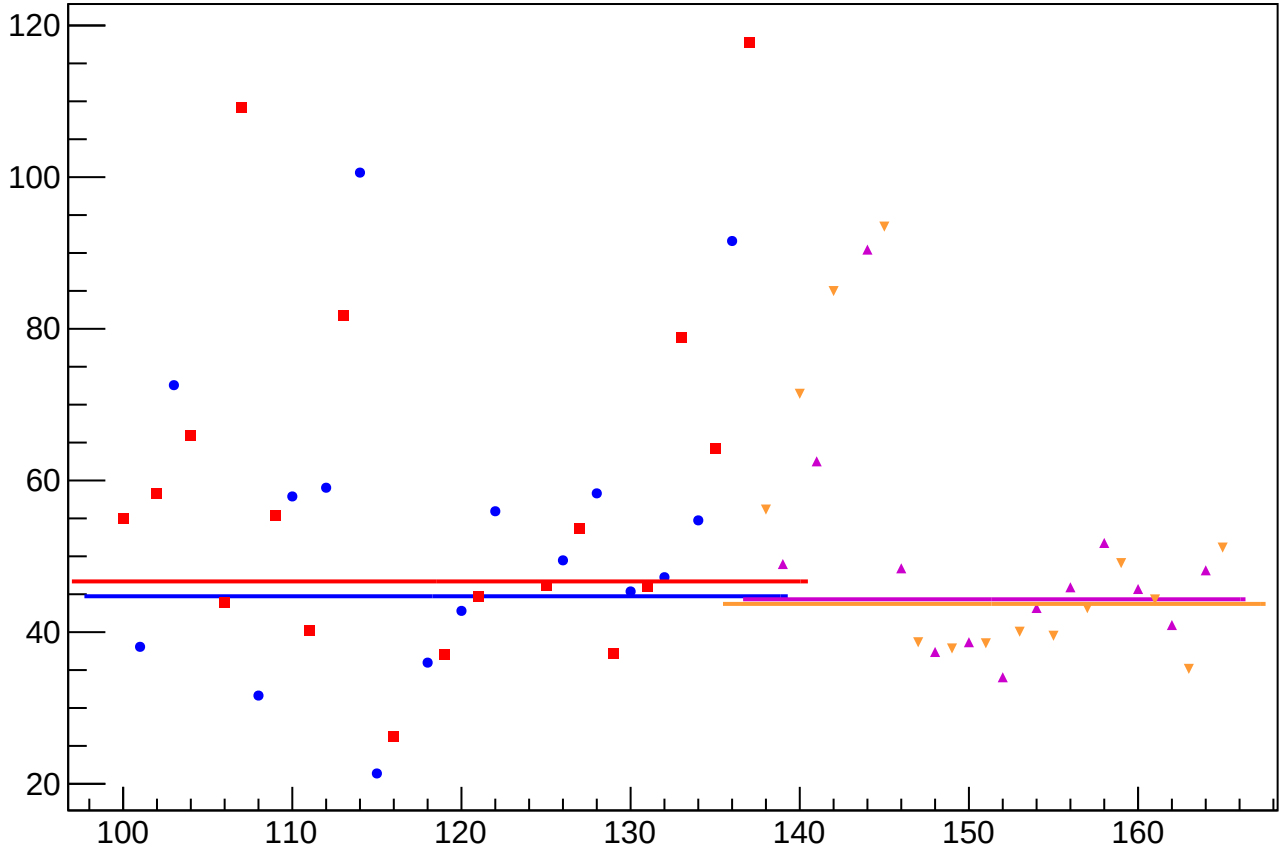
Left In: 0.004+/-0.014 χ^2/NDF:17.4/12

+ sign -0.024+/-0.011 χ^2/NDF: 33.6/29

All: -0.010+/-0.008 χ^2/NDF: 90.6/60

- sign 0.005+/-0.012 χ^2/NDF: 53.9/30

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 43.725+/-0.010 χ^2/NDF:1185667.1/13

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

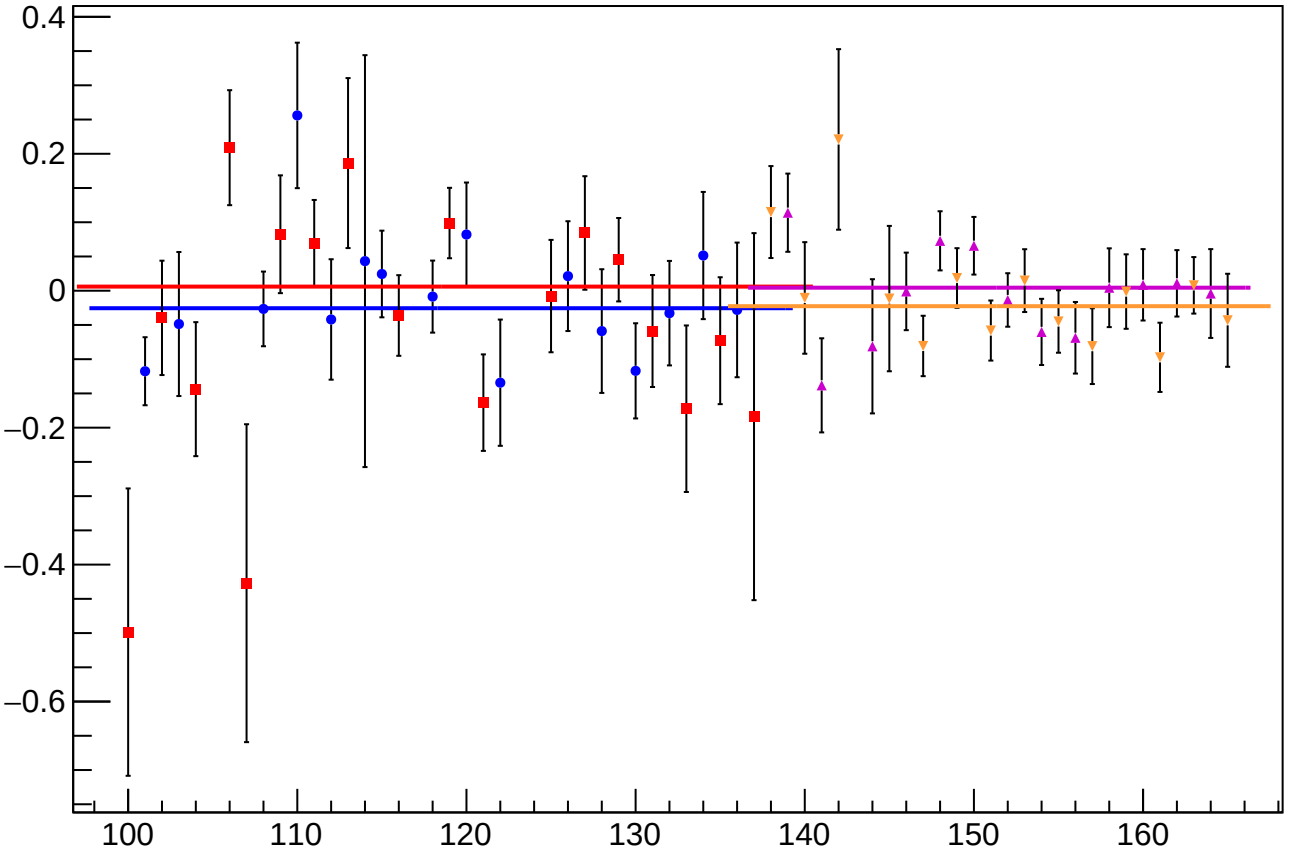
Left In: 44.335+/-0.010 χ^2/NDF:887519.3/12

+ sign 44.095+/-0.008 χ^2/NDF: 2523859.6/29

All: 44.625+/-0.006 χ^2/NDF: 4634685.1/60

- sign 45.173+/-0.008 χ^2/NDF: 2101993.7/30

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

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

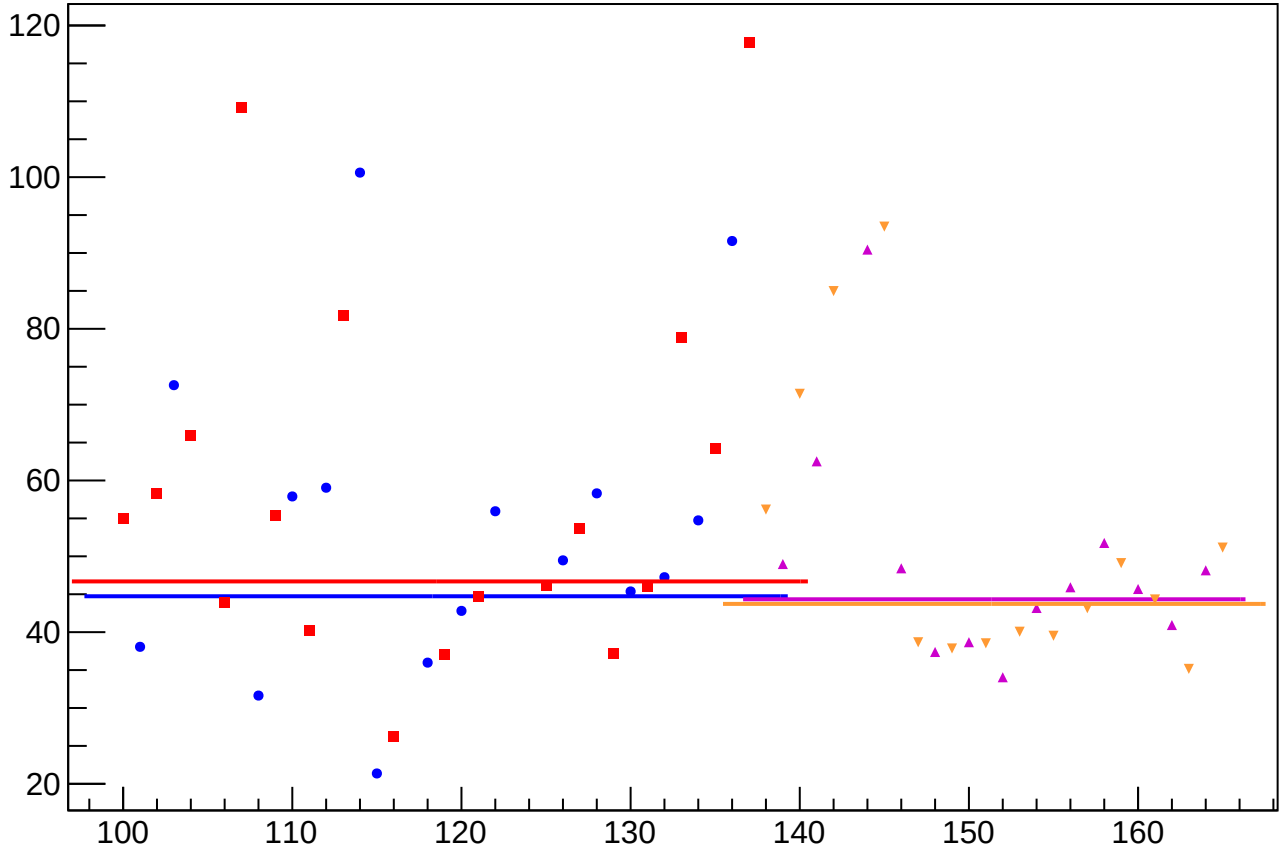
Left In: 0.004+/-0.014 χ^2/NDF:17.4/12

+ sign -0.024+/-0.011 χ^2/NDF: 33.6/29

All: -0.010+/-0.008 χ^2/NDF: 90.6/60

- sign 0.005+/-0.012 χ^2/NDF: 53.9/30

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 43.725+/-0.010 χ^2/NDF:1185667.1/13

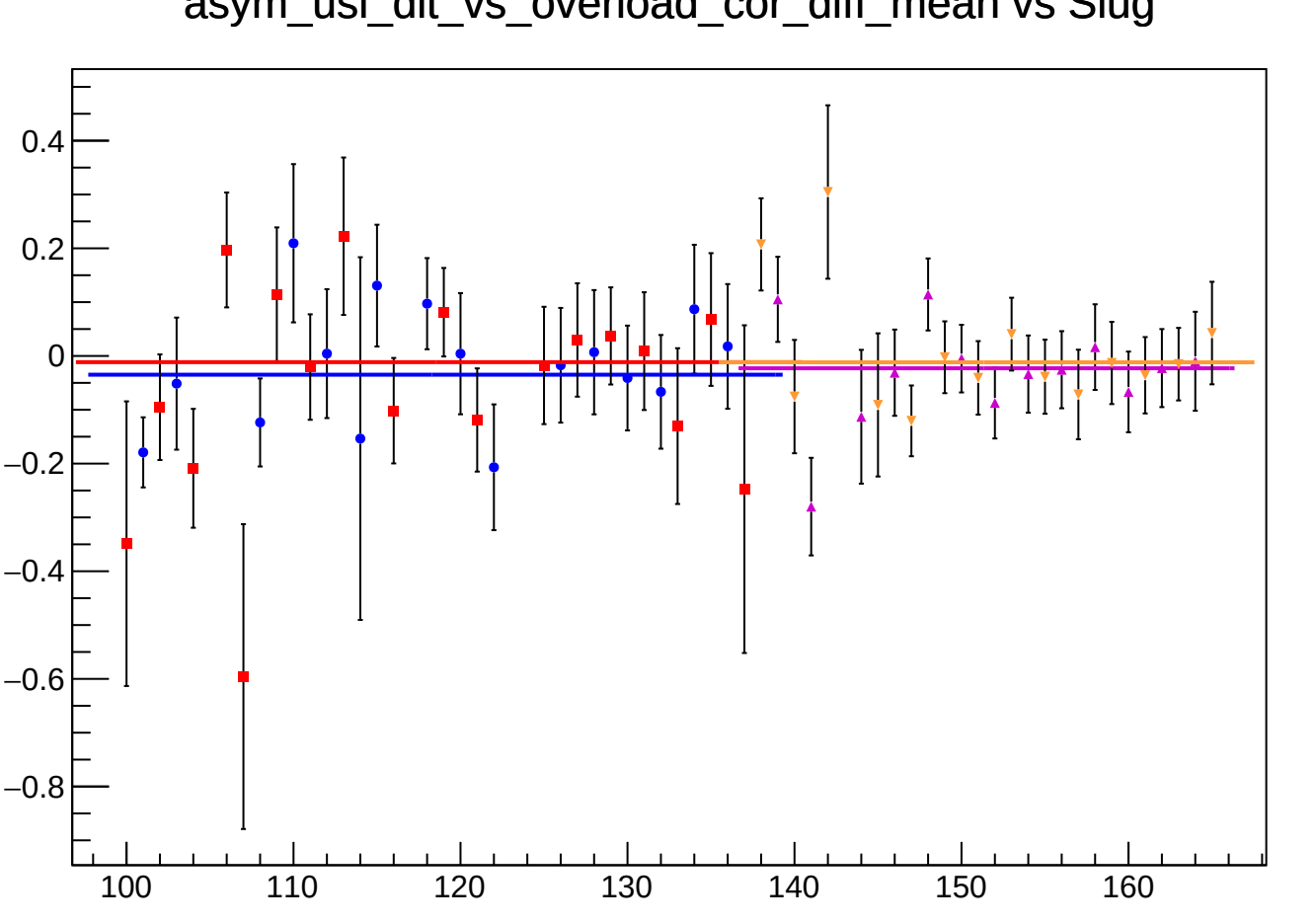
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.335+/-0.010 χ^2/NDF:887519.3/12

+ sign 44.095+/-0.008 χ^2/NDF: 2523859.6/29

All: 44.625+/-0.006 χ^2/NDF: 4634685.1/60

- sign 45.173+/-0.008 χ^2/NDF: 2101993.7/30



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

Left Out: -0.012+/-0.021 χ^2/NDF:15.8/13

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

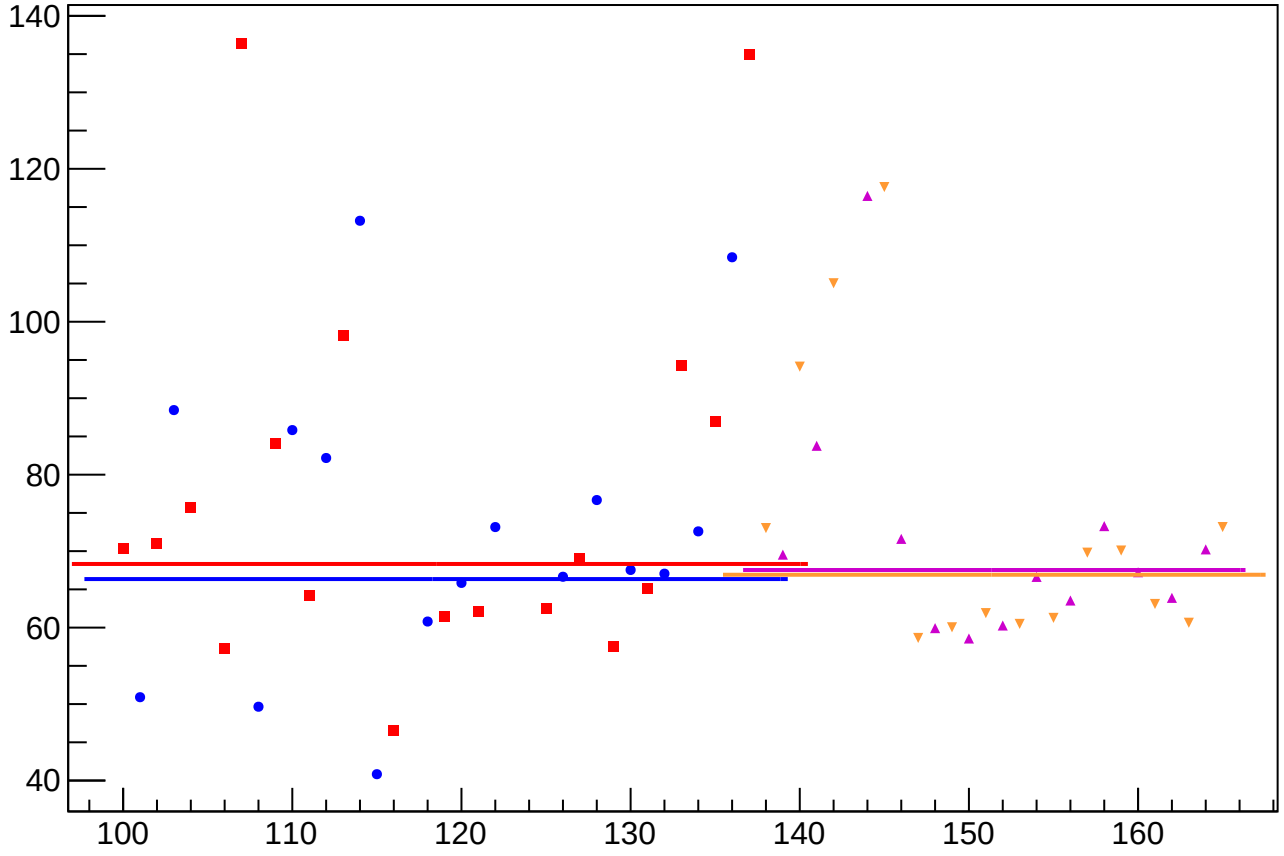
Left In: -0.023+/-0.021 χ^2/NDF:17.1/12

+ sign -0.021+/-0.016 χ^2/NDF: 33.7/29

All: -0.020+/-0.012 χ^2/NDF: 73.6/60

- sign -0.019+/-0.017 χ^2/NDF: 39.9/30

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 66.913+/-0.015 χ^2/NDF:679060.4/13

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

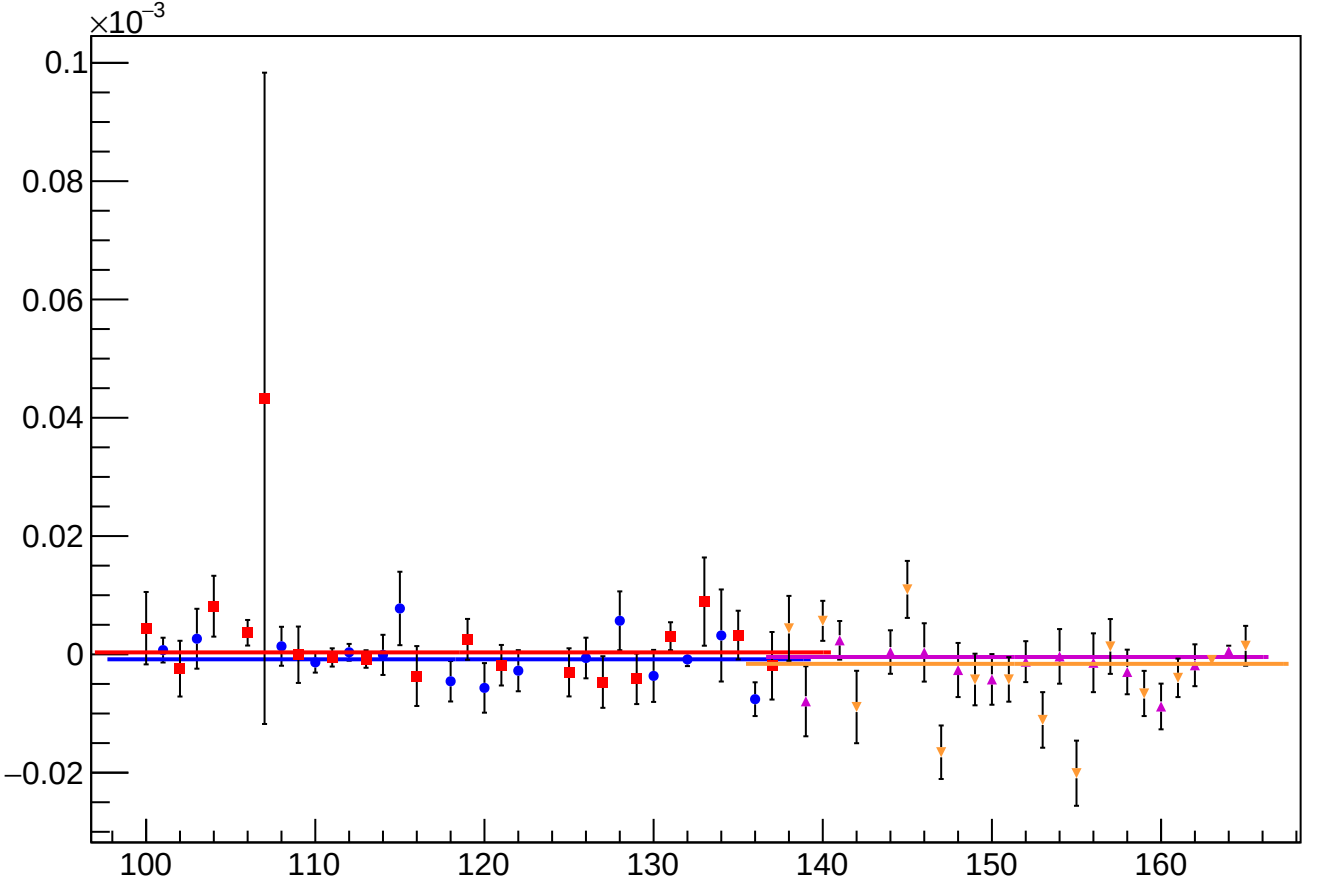
Left In: 67.534+/-0.015 χ^2/NDF:494734.1/12

+ sign 66.693+/-0.012 χ^2/NDF: 1452276.4/29

All: 67.256+/-0.008 χ^2/NDF: 2582525.6/60

- sign 67.834+/-0.012 χ^2/NDF: 1125466.1/30

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:45.3/13

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

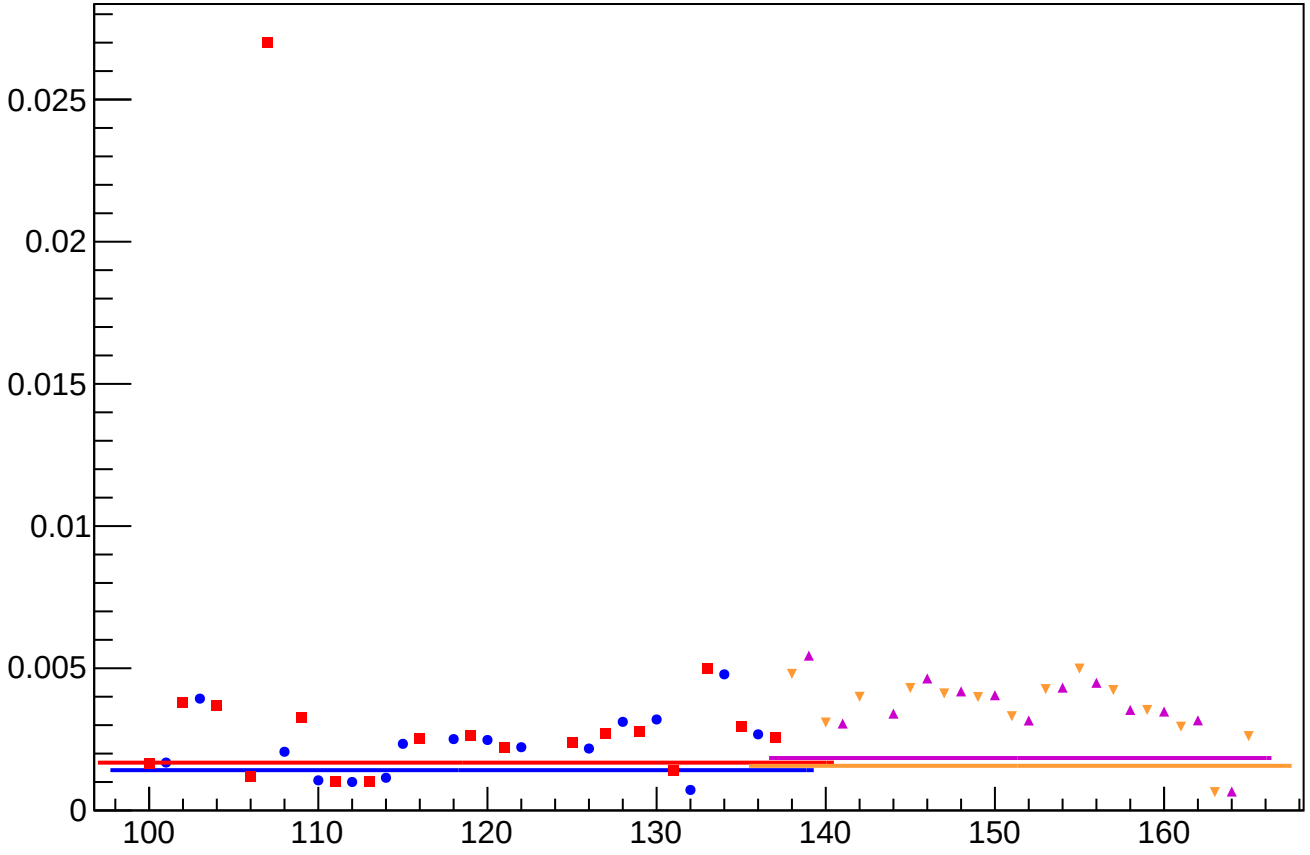
Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/29

All: -0.000+/-0.000 χ^2/NDF: 89.2/60

- sign -0.000+/-0.000 χ^2/NDF: 25.3/30

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:9702706.1/13

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

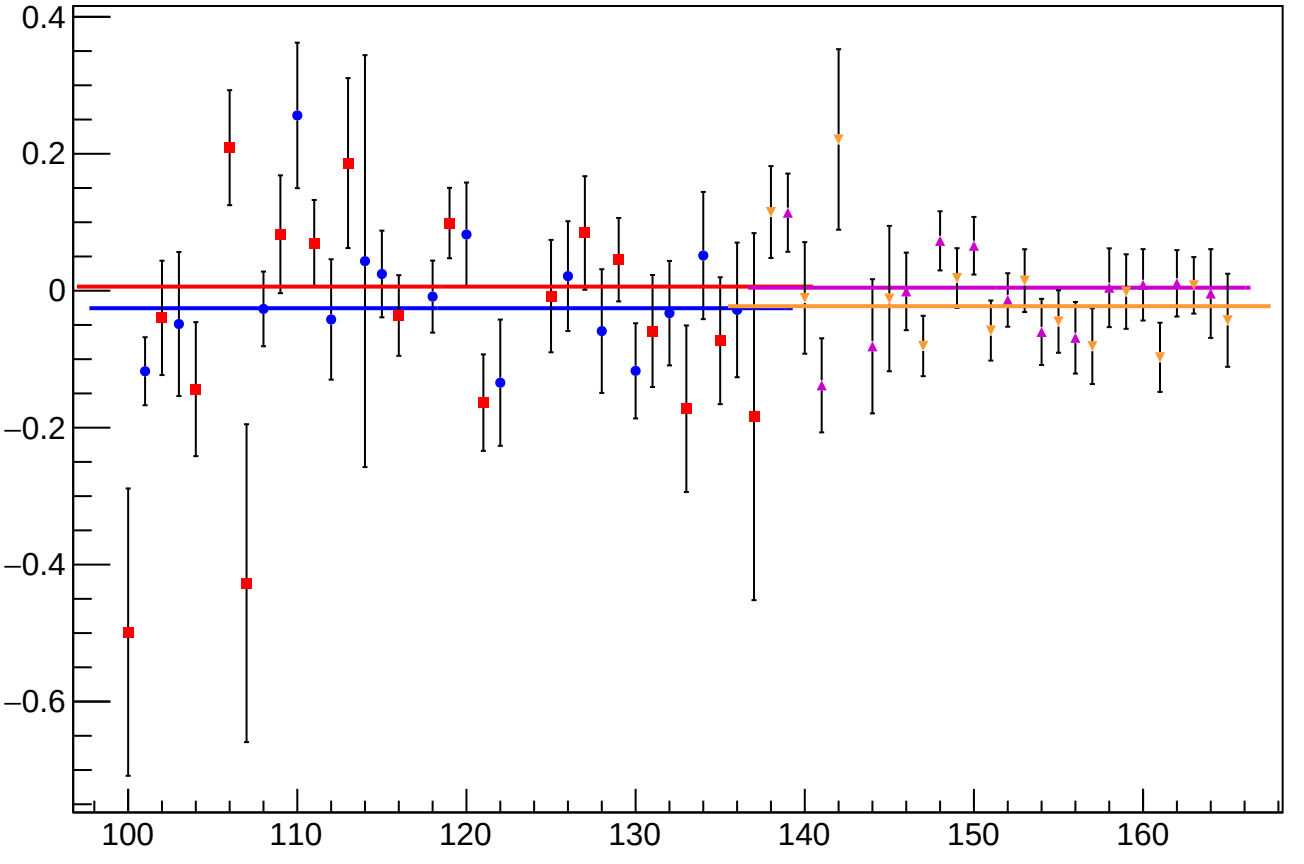
Left In: 0.002+/-0.000 χ^2/NDF:8726647.3/12

+ sign 0.001+/-0.000 χ^2/NDF: 13307986.8/29

All: 0.002+/-0.000 χ^2/NDF: 25831709.6/60

- sign 0.002+/-0.000 χ^2/NDF: 12203877.4/30

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

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

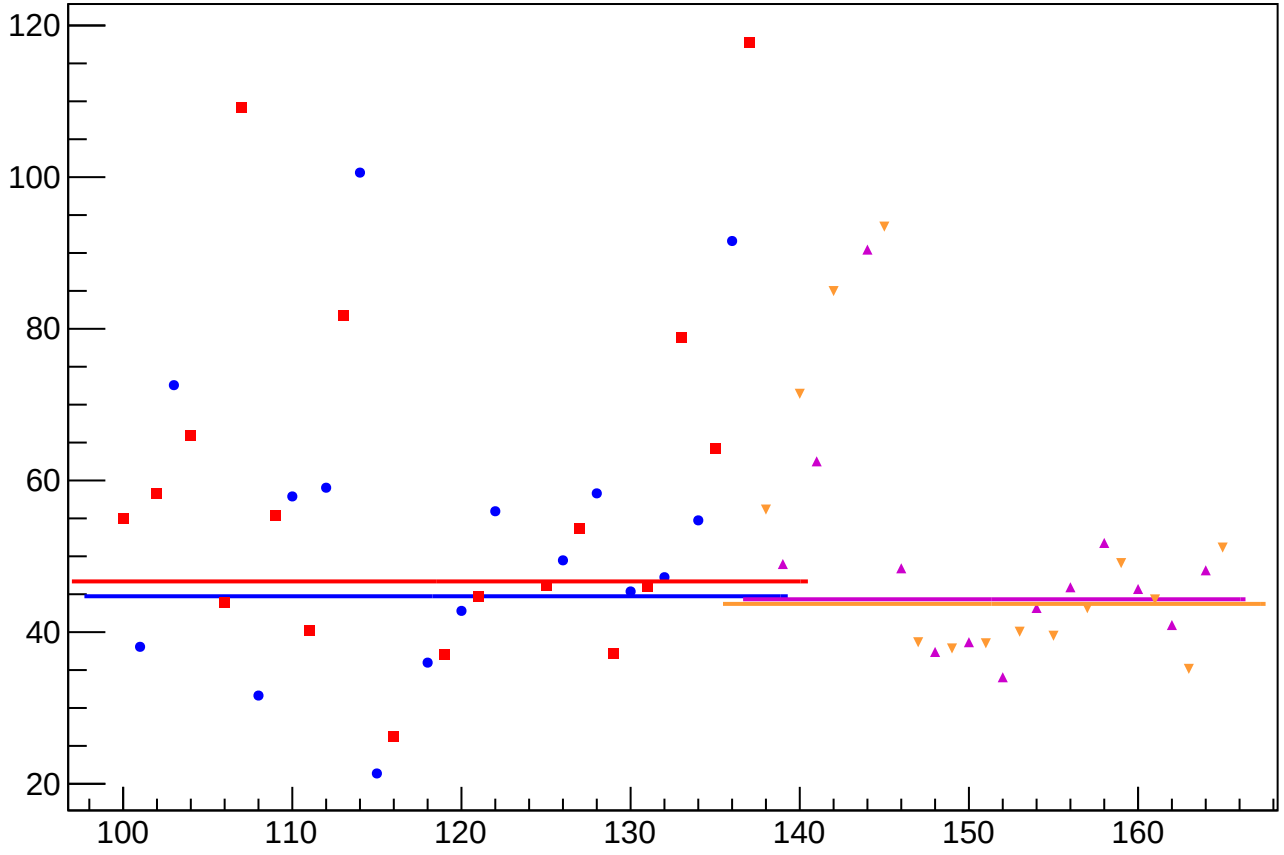
Left In: 0.004+/-0.014 χ^2/NDF:17.4/12

+ sign -0.024+/-0.011 χ^2/NDF: 33.6/29

All: -0.010+/-0.008 χ^2/NDF: 90.6/60

- sign 0.005+/-0.012 χ^2/NDF: 53.9/30

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.725+/-0.010 χ^2/NDF:1185638.2/13

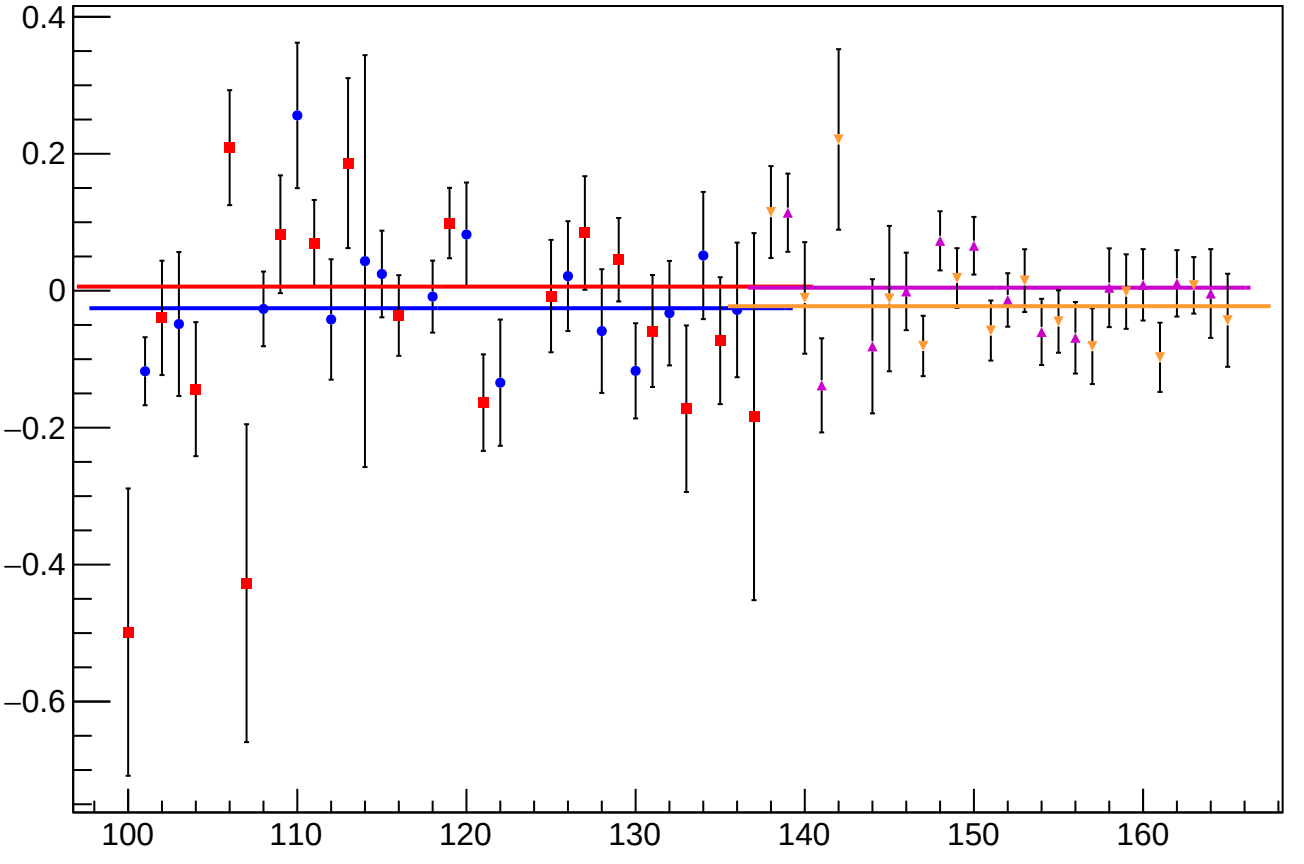
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.335+/-0.010 χ^2/NDF:887498.0/12

+ sign 44.095+/-0.008 χ^2/NDF: 2523884.3/29

All: 44.625+/-0.006 χ^2/NDF: 4634709.7/60

- sign 45.173+/-0.008 χ^2/NDF: 2101993.0/30



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

Left Out: -0.023+/-0.014 χ^2/NDF:15.9/13

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

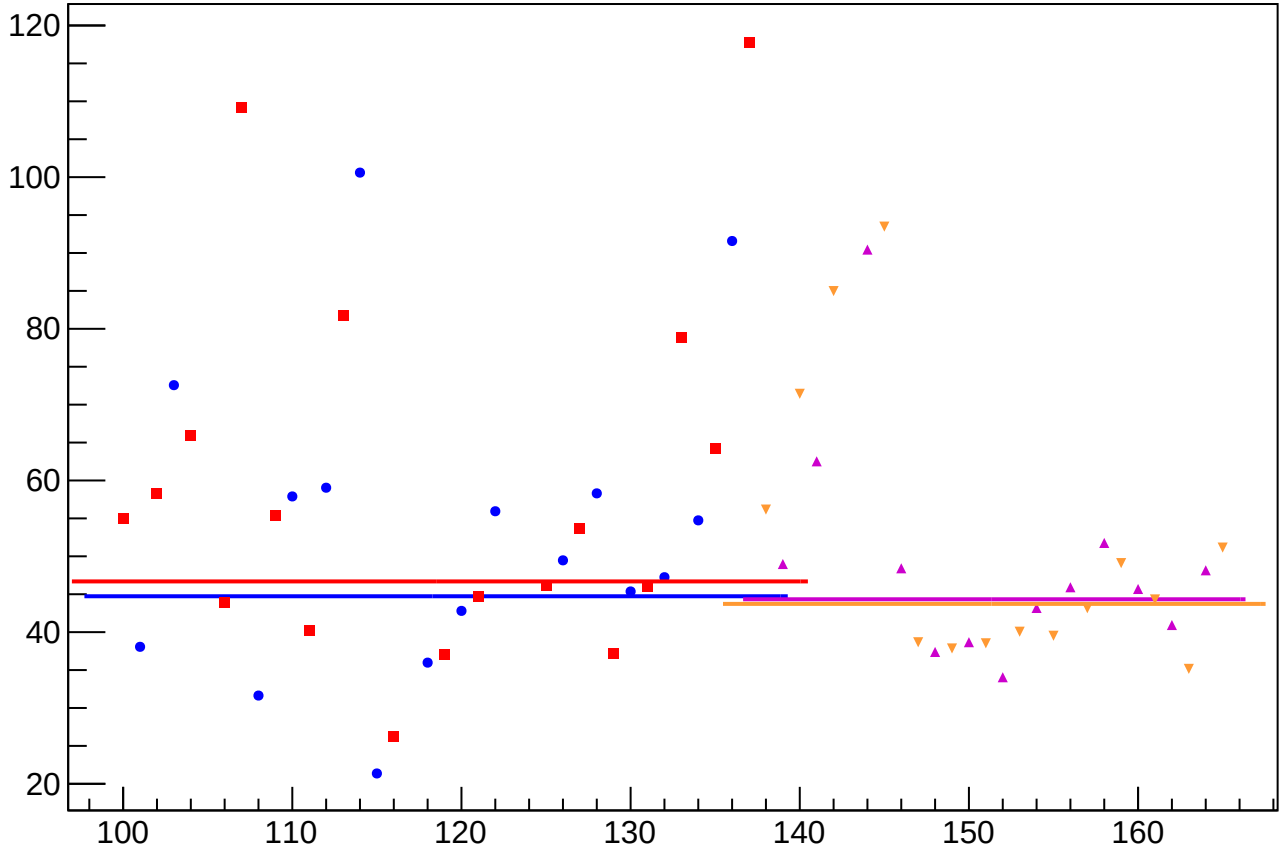
Left In: 0.004+/-0.014 χ^2/NDF:17.4/12

+ sign -0.024+/-0.011 χ^2/NDF: 33.6/29

All: -0.010+/-0.008 χ^2/NDF: 90.6/60

- sign 0.005+/-0.012 χ^2/NDF: 53.9/30

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: 43.725+/-0.010 χ^2/NDF:1185638.2/13

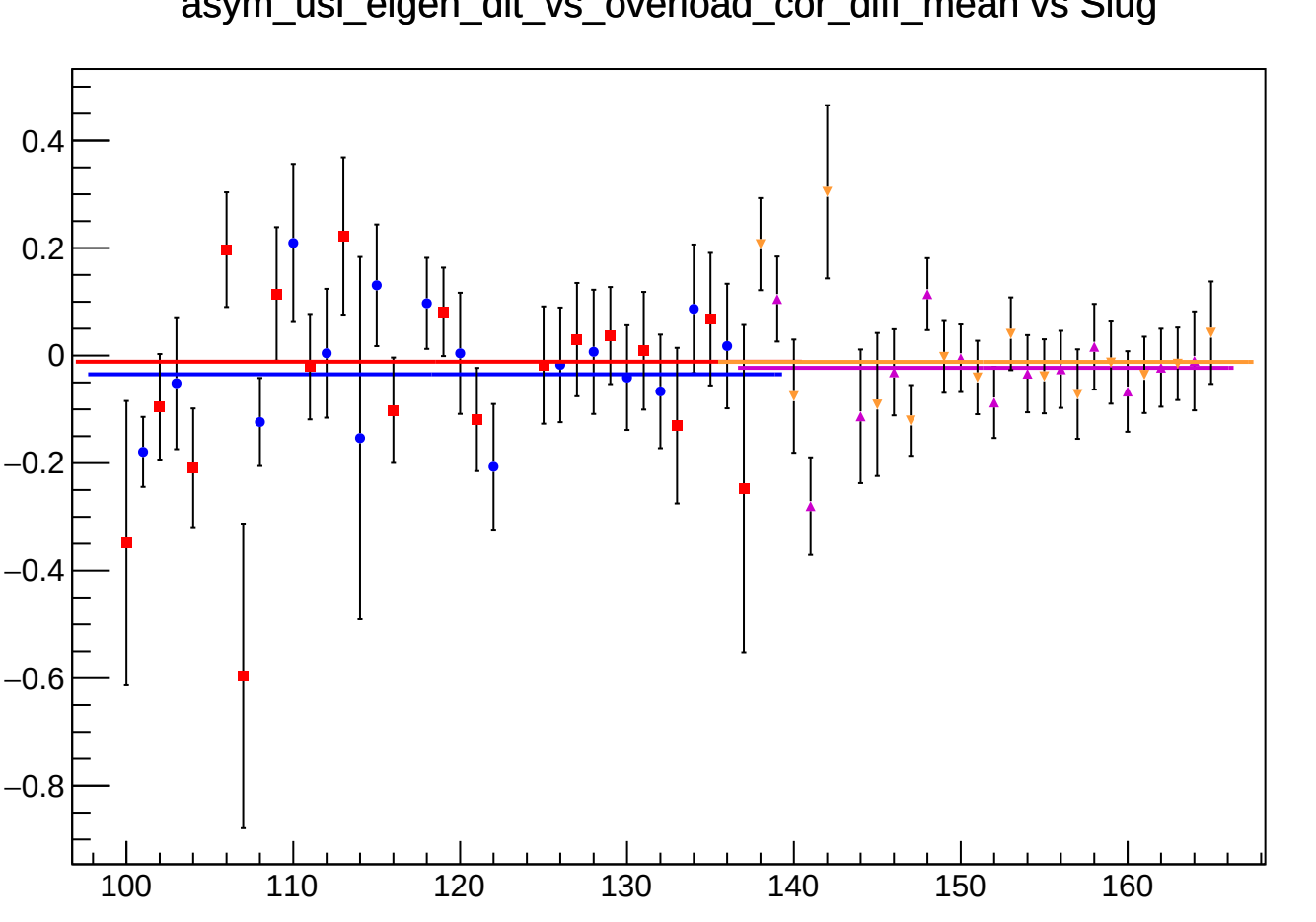
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.335+/-0.010 χ^2/NDF:887498.0/12

+ sign 44.095+/-0.008 χ^2/NDF: 2523884.3/29

All: 44.625+/-0.006 χ^2/NDF: 4634709.7/60

- sign 45.173+/-0.008 χ^2/NDF: 2101993.0/30



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

Left Out: -0.012+/-0.021 χ^2/NDF:15.8/13

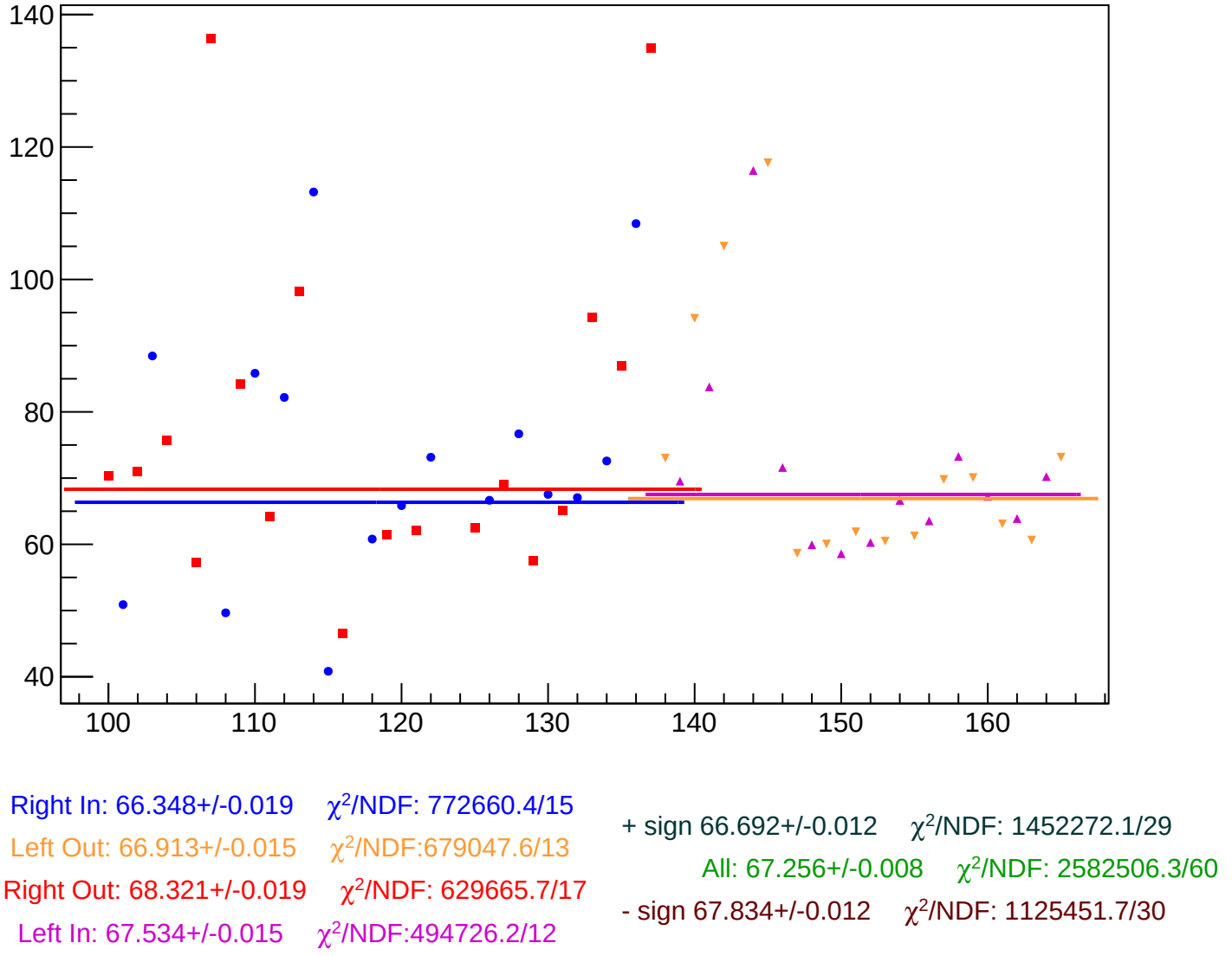
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.023+/-0.021 χ^2/NDF:17.1/12

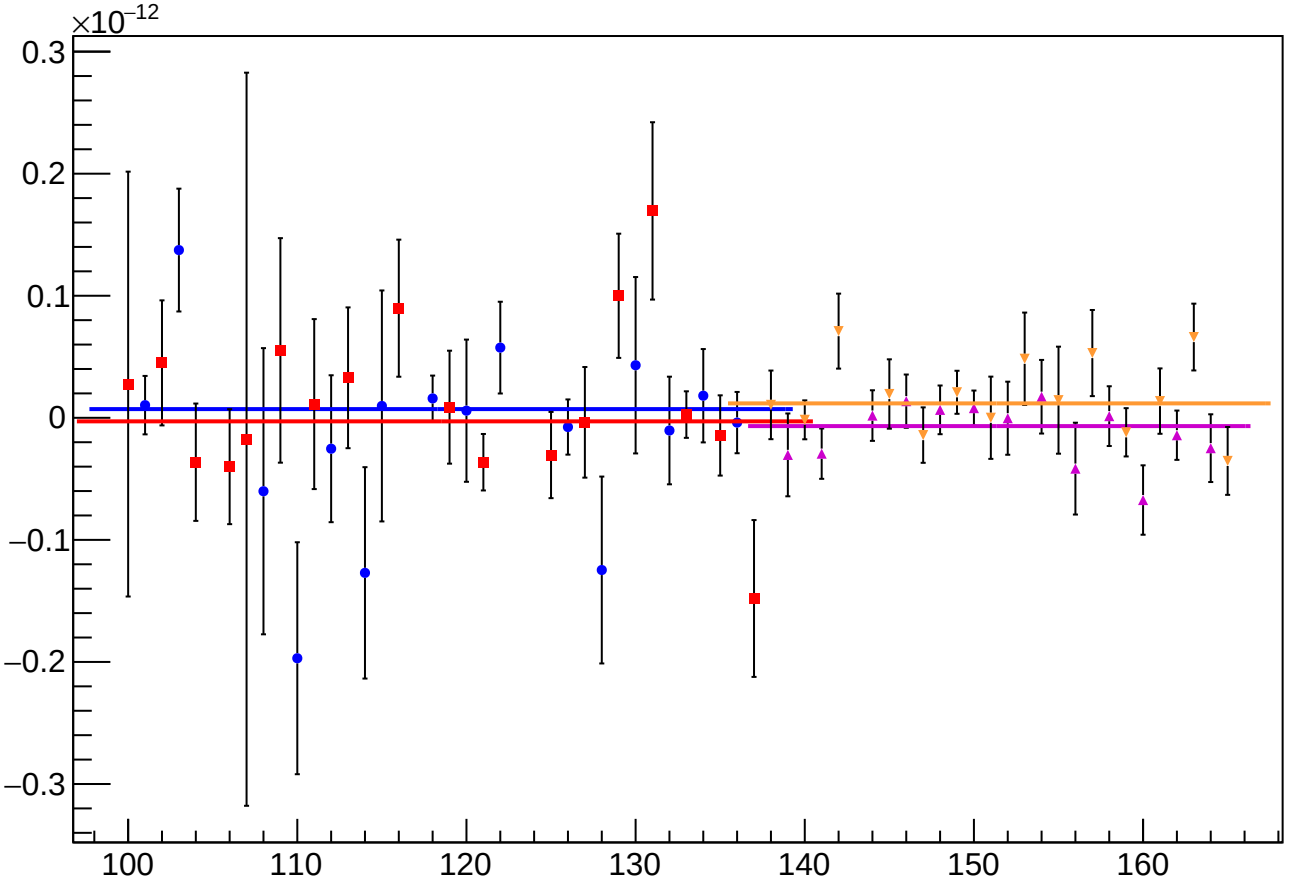
+ sign -0.021+/-0.016 χ^2/NDF: 33.7/29

All: -0.020+/-0.012 χ^2/NDF: 73.6/60

- sign -0.019+/-0.017 χ^2/NDF: 39.9/30


asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
160
Right In: 66.348+/-0.019 χ²/NDF: 772660.4/15
Left Out: 66.913+/-0.015 χ²/NDF:679047.6/13
Right Out: 68.321+/-0.019 χ²/NDF: 629665.7/17
Left In: 67.534+/-0.015 χ²/NDF:494726.2/12
+ sign 66.692+/-0.012 χ²/NDF: 1452272.1/29
All: 67.256+/-0.008 χ²/NDF: 2582506.3/60
- sign 67.834+/-0.012 χ²/NDF: 1125451.7/30

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:16.8/13

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

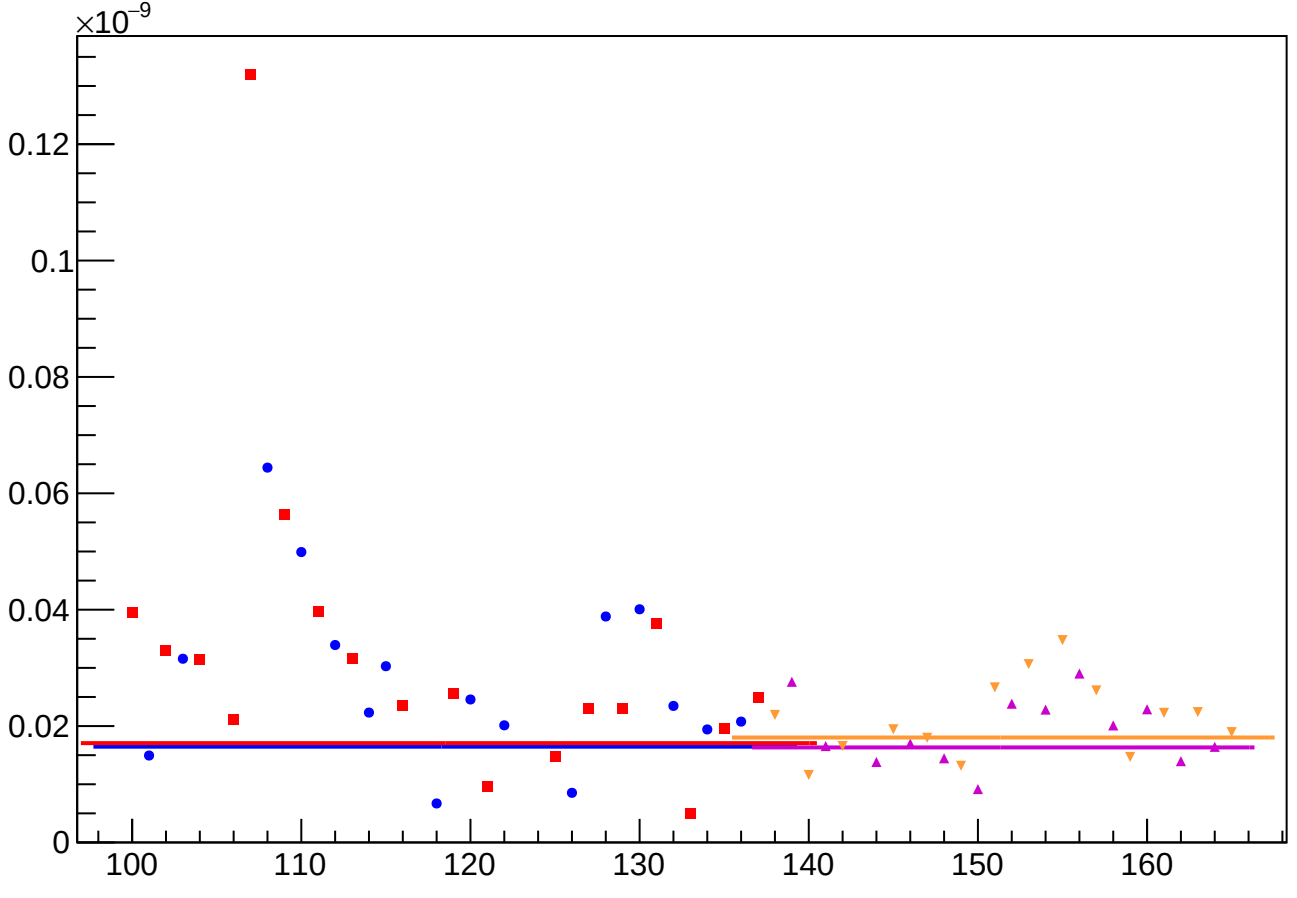
Left In: -0.000+/-0.000 χ^2/NDF:11.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/29

All: 0.000+/-0.000 χ^2/NDF: 76.1/60

- sign -0.000+/-0.000 χ^2/NDF: 34.4/30

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:1434960.6/13

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

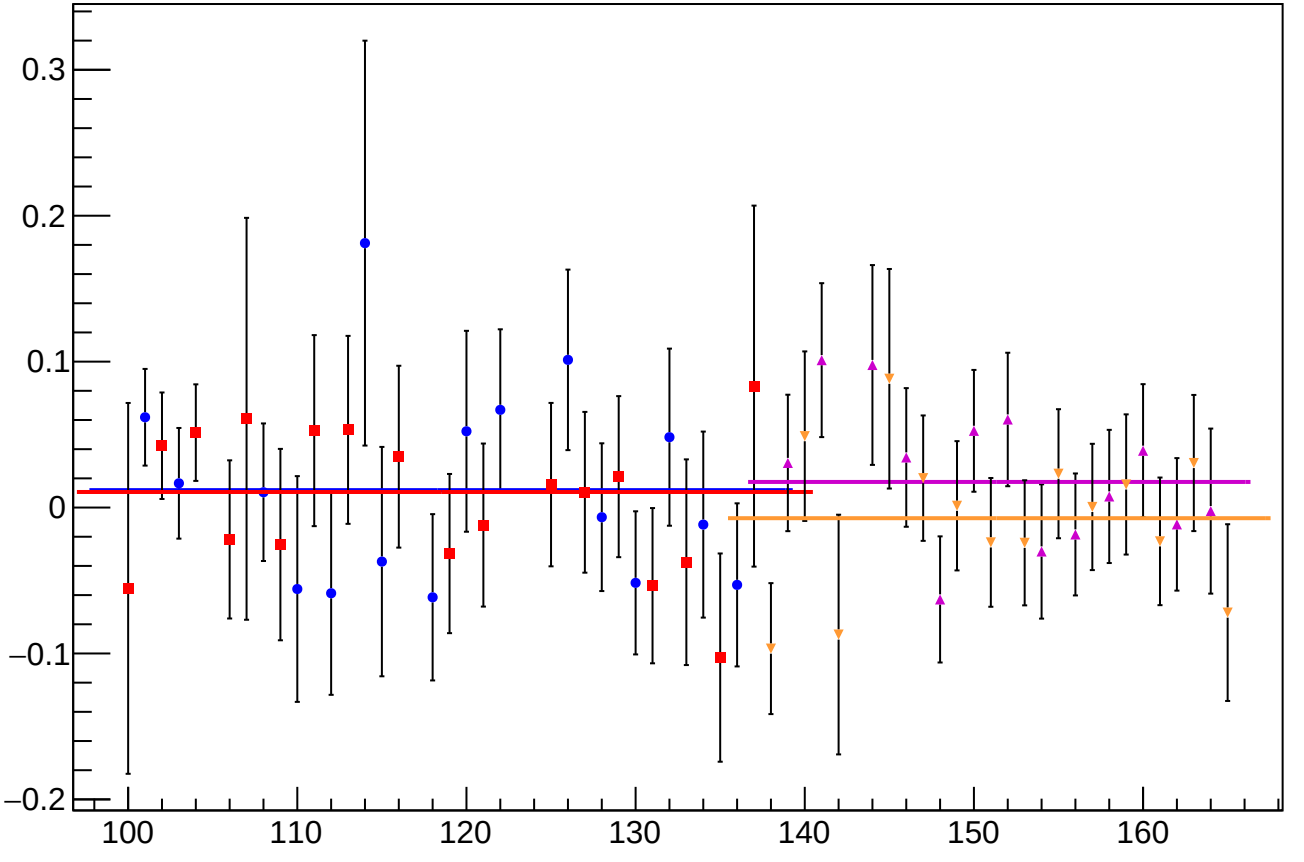
Left In: 0.000+/-0.000 χ^2/NDF:1392768.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3819084.7/29

All: 0.000+/-0.000 χ^2/NDF: 8041645.6/60

- sign 0.000+/-0.000 χ^2/NDF: 4192095.0/30

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.007+/-0.013 χ^2/NDF:10.9/13

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

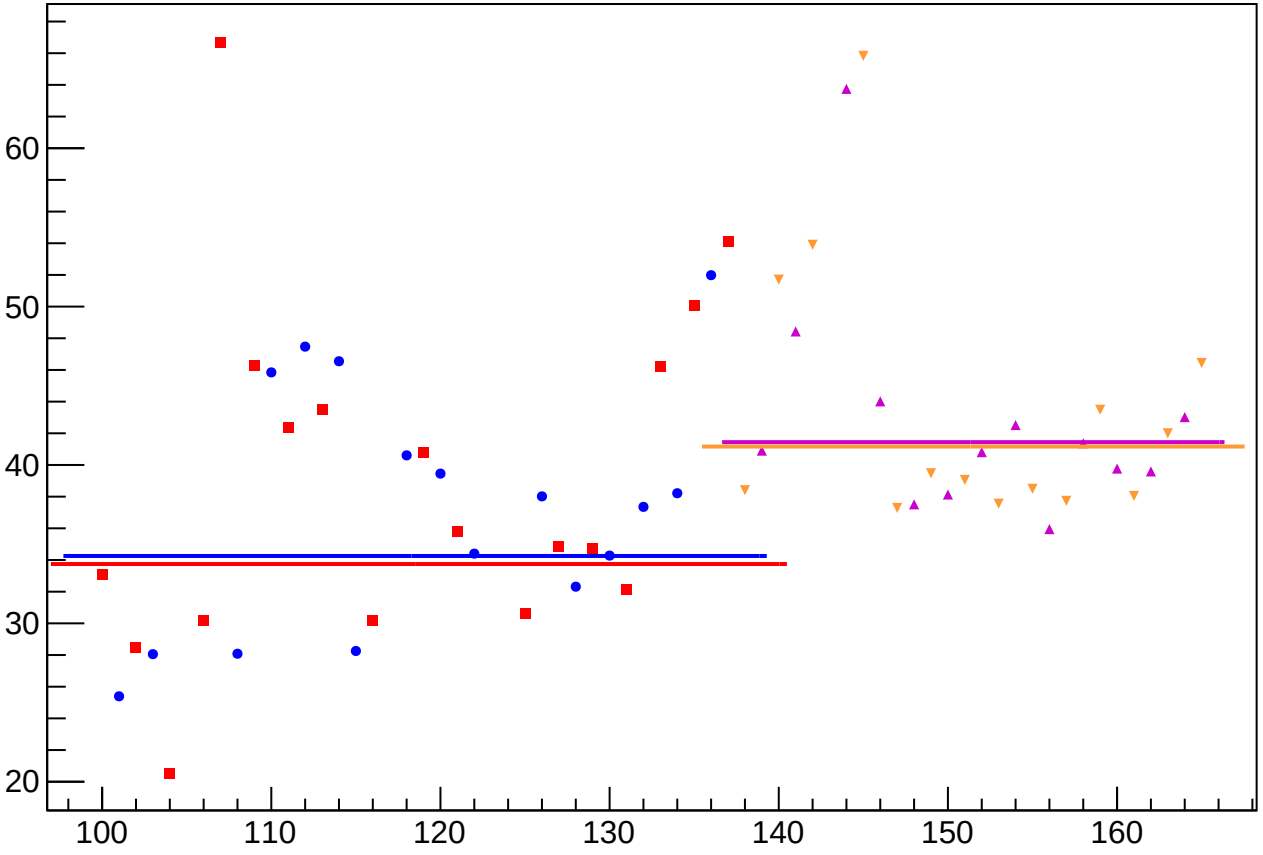
Left In: 0.018+/-0.013 χ^2/NDF:11.7/12

+ sign 0.002+/-0.009 χ^2/NDF: 26.6/29

All: 0.008+/-0.007 χ^2/NDF: 49.3/60

- sign 0.014+/-0.009 χ^2/NDF: 21.8/30

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.163+/-0.009 χ^2/NDF:424964.3/13

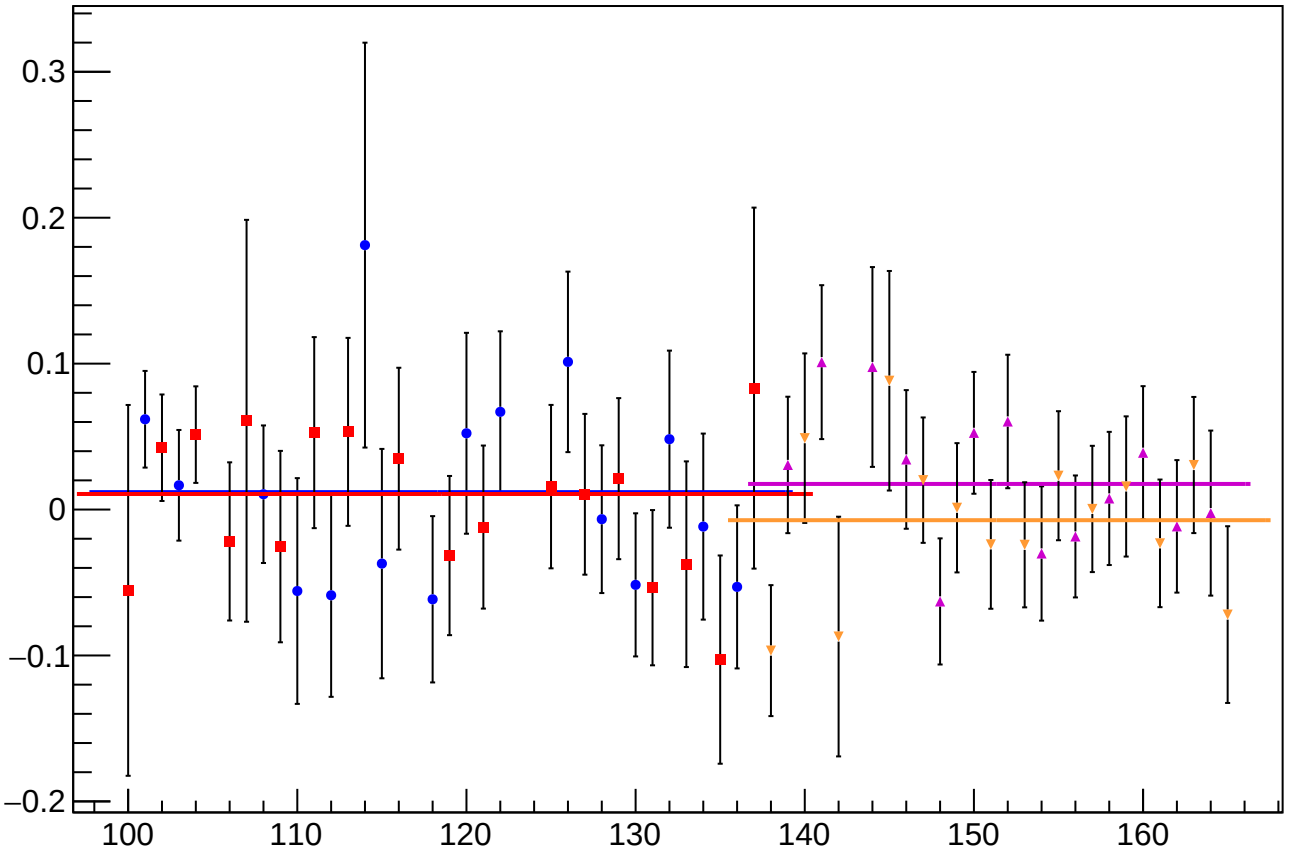
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.441+/-0.009 χ^2/NDF:326188.8/12

+ sign 37.881+/-0.007 χ^2/NDF: 1331359.9/29

All: 37.792+/-0.005 χ^2/NDF: 2906995.2/60

- sign 37.705+/-0.007 χ^2/NDF: 1575283.7/30



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.007+/-0.013 χ^2/NDF:10.9/13

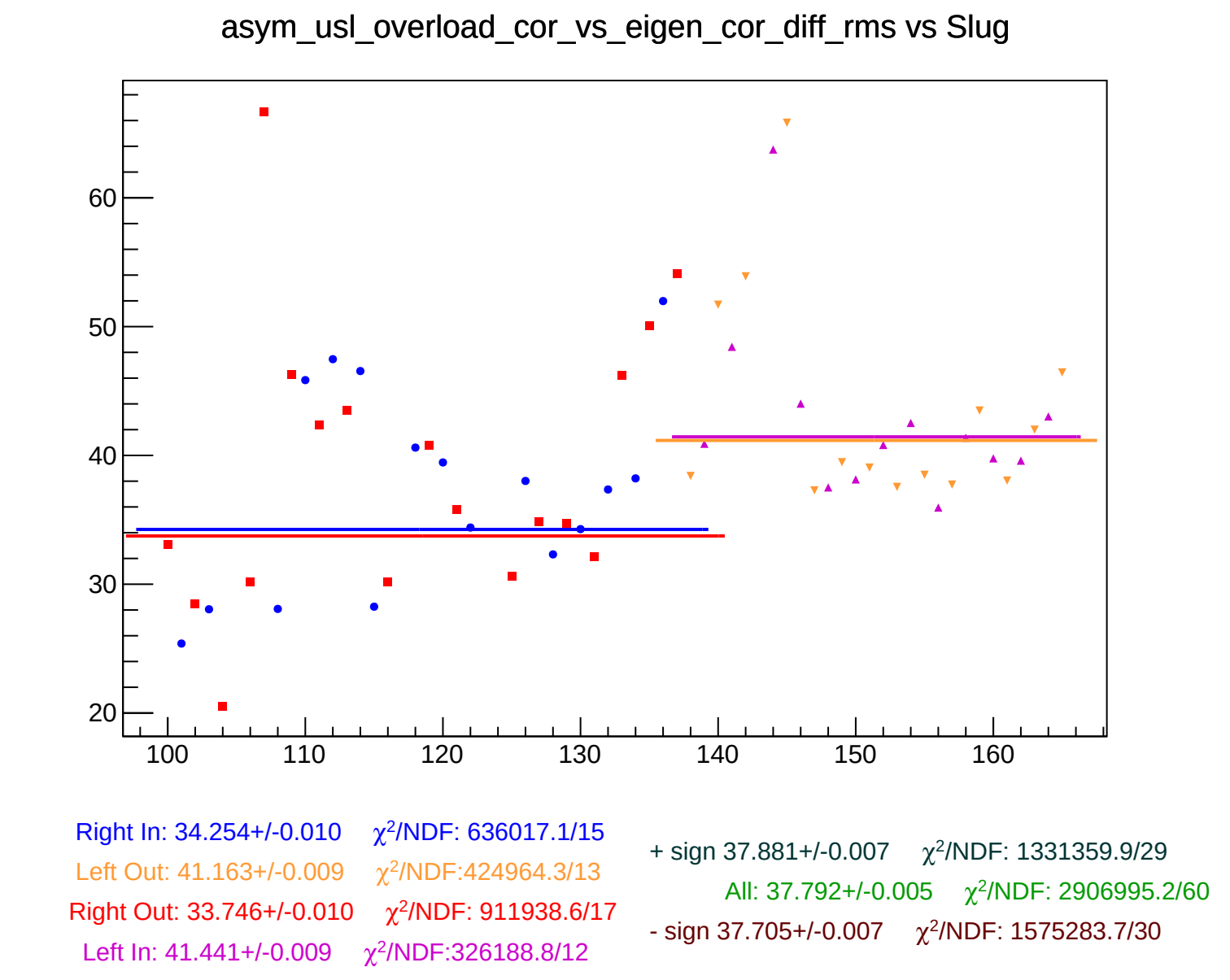
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.018+/-0.013 χ^2/NDF:11.7/12

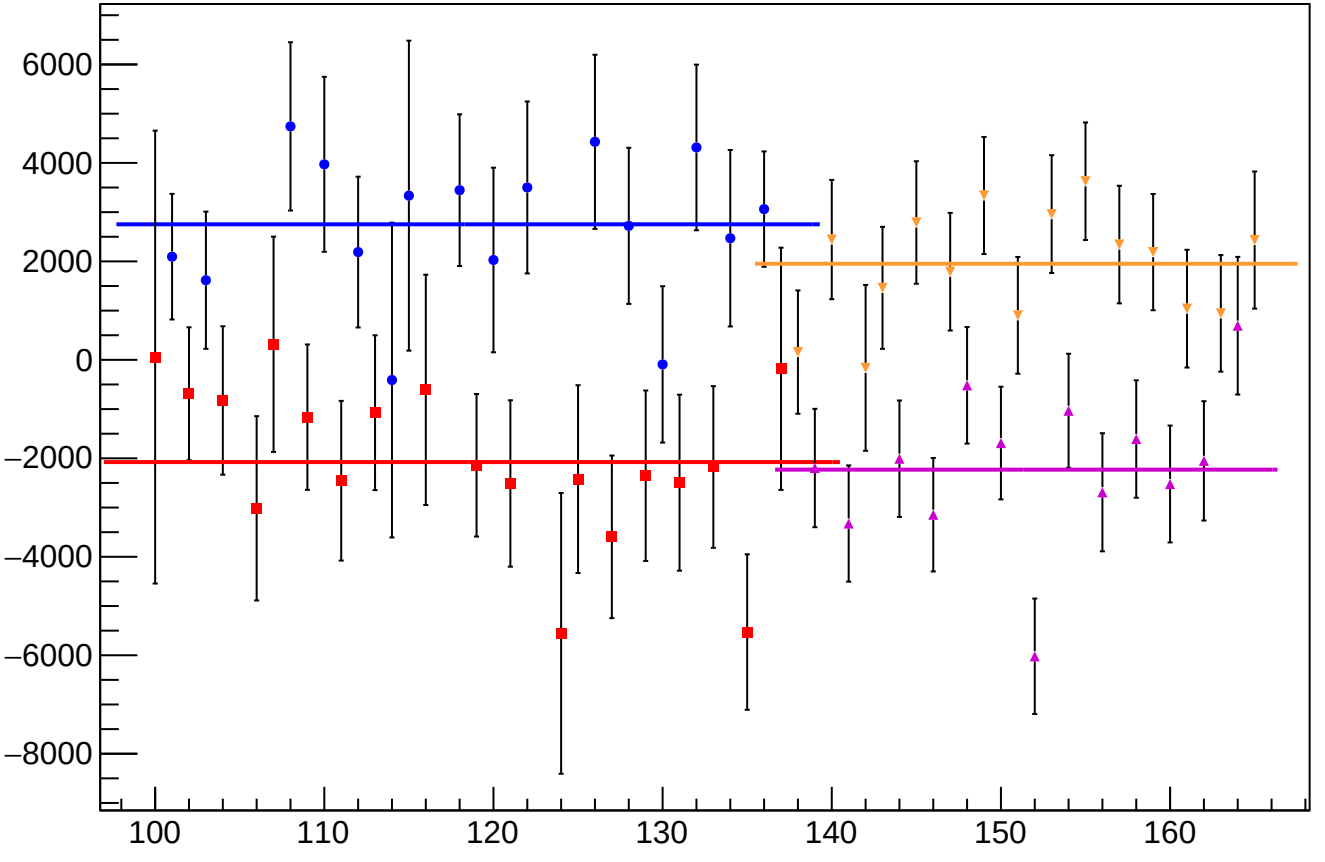
+ sign 0.002+/-0.009 χ^2/NDF: 26.6/29

All: 0.008+/-0.007 χ^2/NDF: 49.3/60

- sign 0.014+/-0.009 χ^2/NDF: 21.8/30


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 41.163+/-0.009 χ²/NDF:424964.3/13
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.441+/-0.009 χ²/NDF:326188.8/12
+ sign 37.881+/-0.007 χ²/NDF: 1331359.9/29
All: 37.792+/-0.005 χ²/NDF: 2906995.2/60
- sign 37.705+/-0.007 χ²/NDF: 1575283.7/30

reg_asym_usr_mean vs Slug



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

Left Out: 1952.431+/-318.866 χ^2/NDF:10.8/14

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

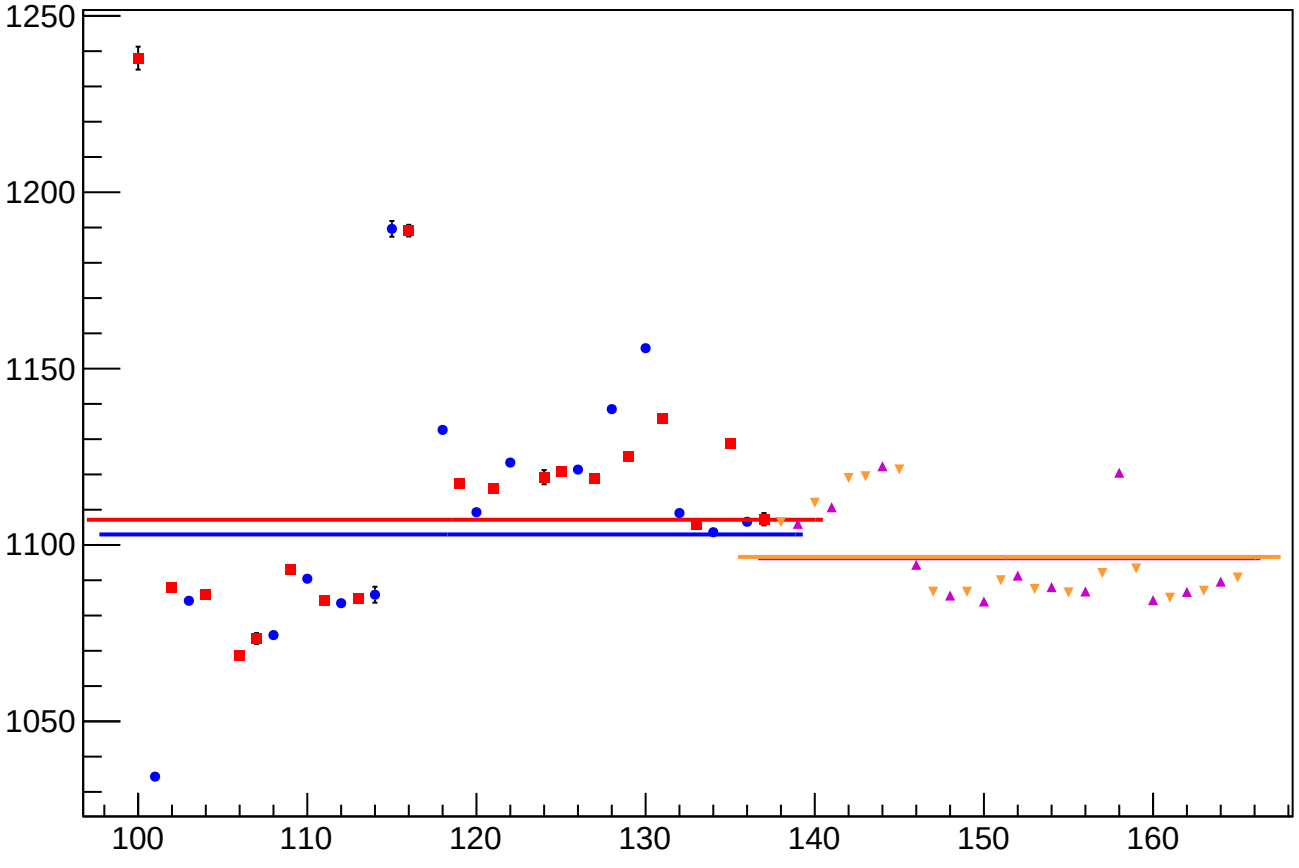
Left In: -2229.906+/-330.985 χ^2/NDF:20.2/12

+ sign 2254.352+/-251.667 χ^2/NDF: 22.7/30

All: 80.623+/-179.461 χ^2/NDF: 207.3/62

- sign -2168.245+/-255.979 χ^2/NDF: 32.9/31

reg_asym_usr_rms vs Slug



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

Left Out: 1096.616+/-0.225 χ^2/NDF:3264.9/14

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

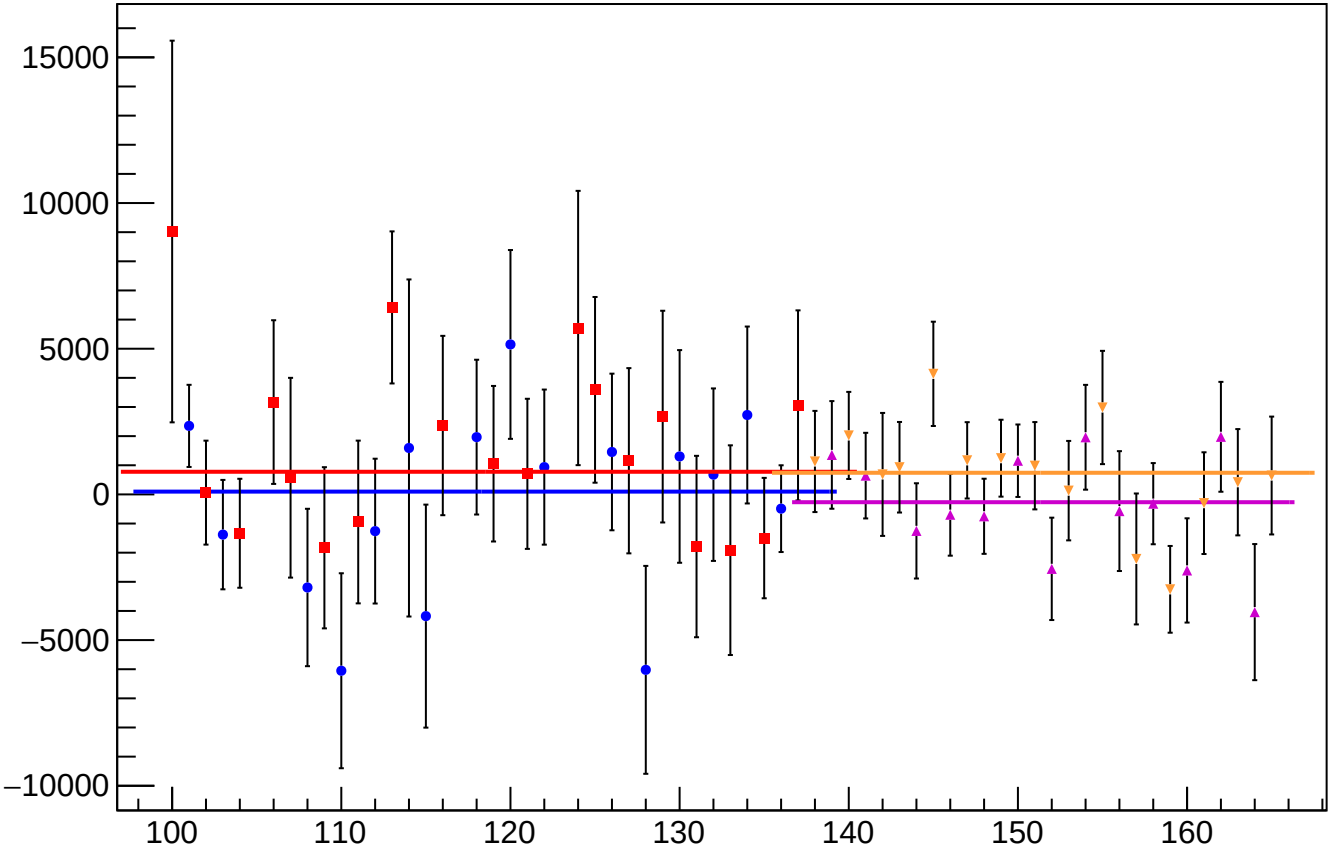
Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

+ sign 1099.019+/-0.178 χ^2/NDF: 16789.7/30

All: 1099.810+/-0.127 χ^2/NDF: 29639.1/62

- sign 1100.629+/-0.181 χ^2/NDF: 12809.1/31

asym_usr_reg_correction_mean vs Slug



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

Left Out: 742.475+/-427.834 χ^2/NDF:15.5/14

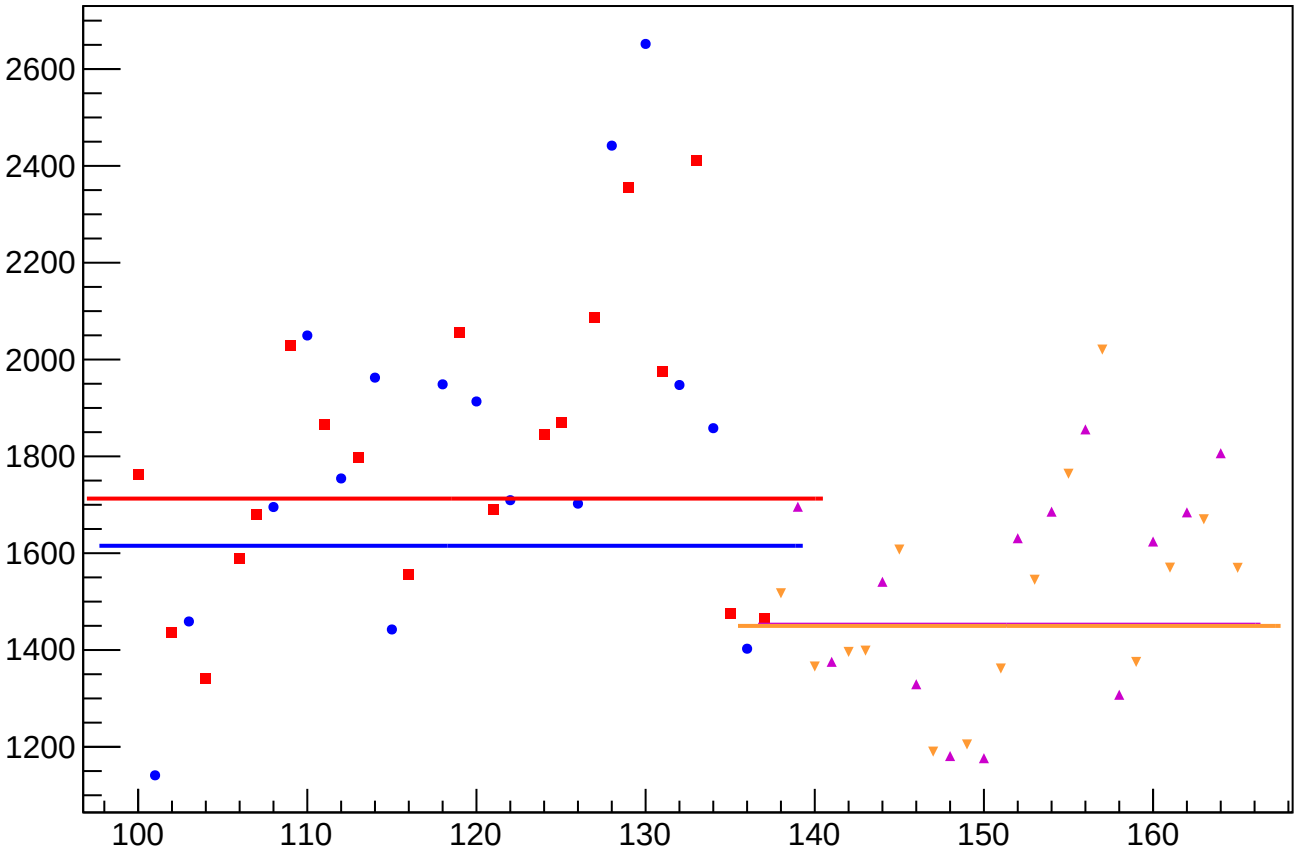
Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -267.614+/-445.148 χ^2/NDF:12.1/12

+ sign 533.054+/-351.782 χ^2/NDF: 33.1/30

All: 312.471+/-253.250 χ^2/NDF: 62.9/62

- sign 75.162+/-364.876 χ^2/NDF: 28.9/31



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1449.818+/-0.303 χ^2/NDF:420924.7/14

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

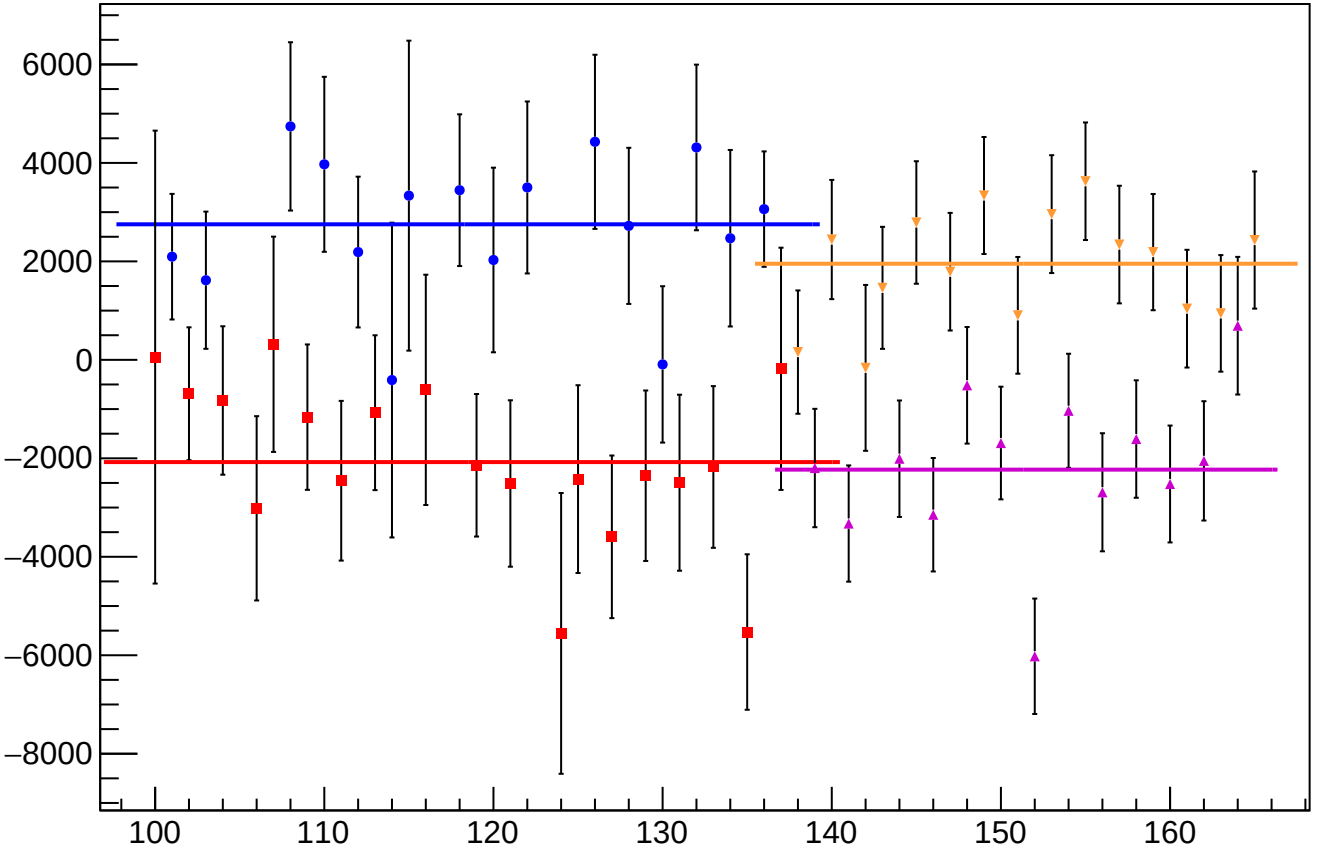
Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

+ sign 1503.426+/-0.249 χ^2/NDF: 1211494.0/30

All: 1519.990+/-0.179 χ^2/NDF: 2369384.9/62

- sign 1537.810+/-0.258 χ^2/NDF: 1148686.5/31

cor_asym_usr_mean vs Slug



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

Left Out: 1952.431+/-318.866 χ^2/NDF:10.8/14

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

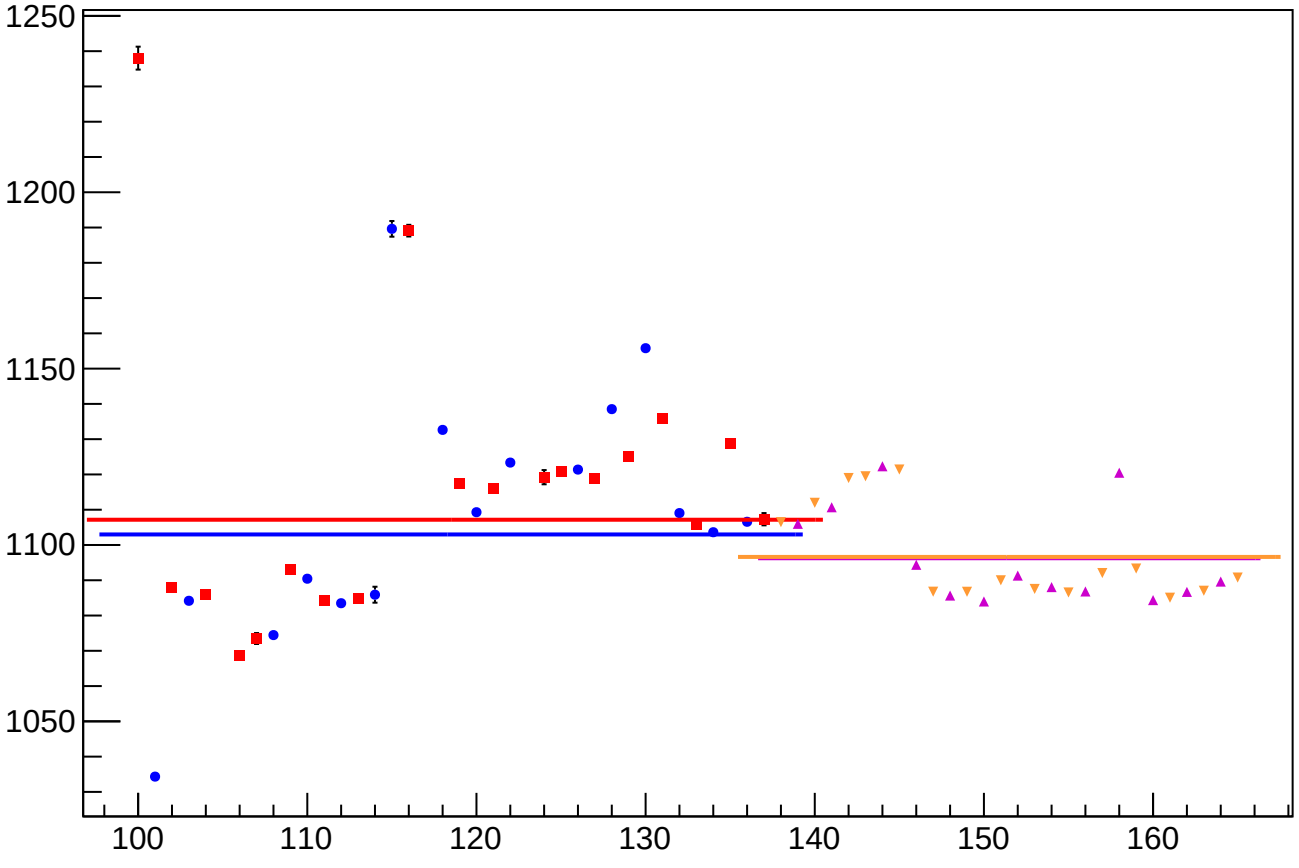
Left In: -2229.906+/-330.985 χ^2/NDF:20.2/12

+ sign 2254.352+/-251.667 χ^2/NDF: 22.7/30

All: 80.623+/-179.461 χ^2/NDF: 207.3/62

- sign -2168.245+/-255.979 χ^2/NDF: 32.9/31

cor_asym_usr_rms vs Slug



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

Left Out: 1096.616+/-0.225 χ^2/NDF:3264.9/14

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

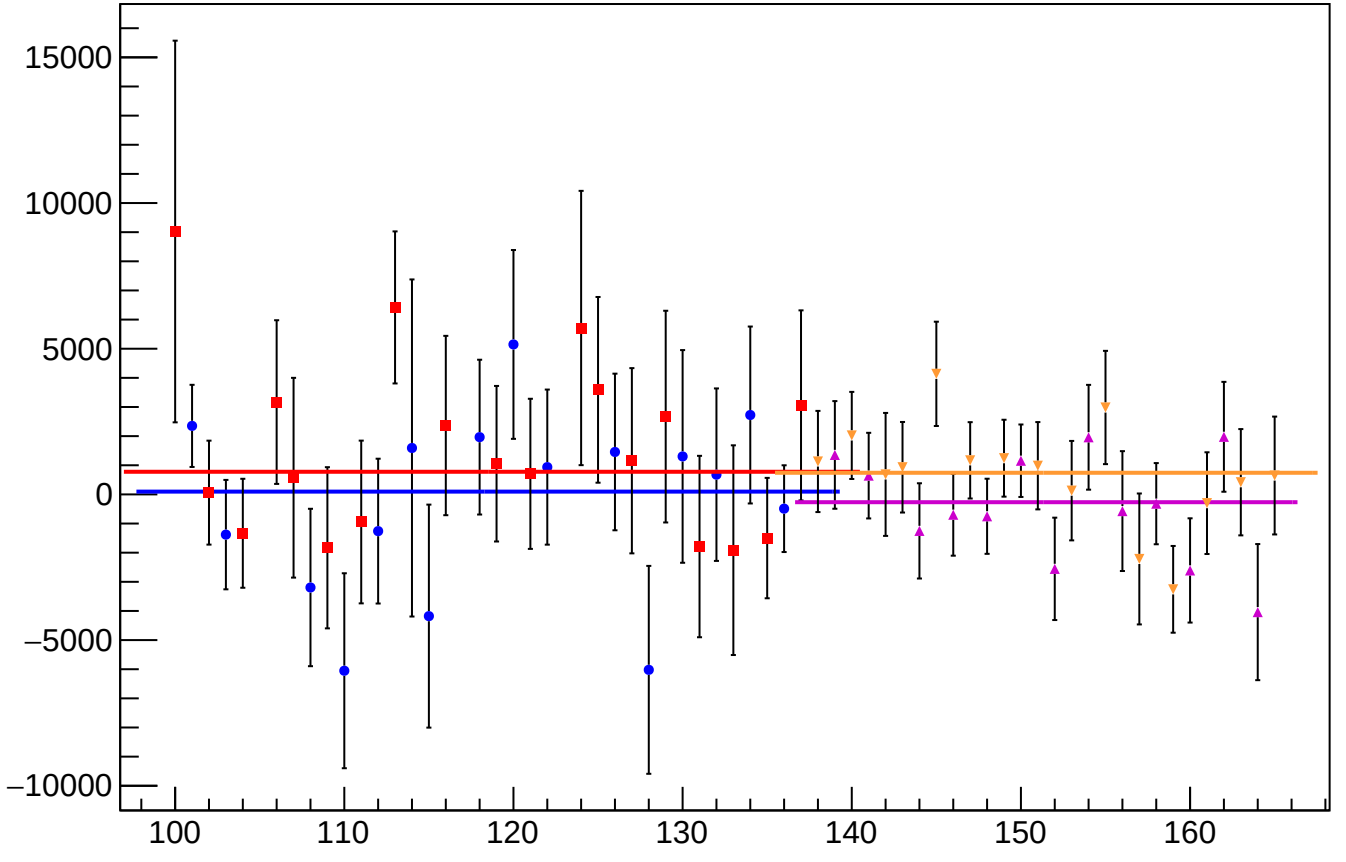
Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

+ sign 1099.019+/-0.178 χ^2/NDF: 16789.7/30

All: 1099.810+/-0.127 χ^2/NDF: 29639.1/62

- sign 1100.629+/-0.181 χ^2/NDF: 12809.1/31

asym_usr_cor_correction_mean vs Slug



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

Left Out: 742.475+/-427.834 χ^2/NDF:15.5/14

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

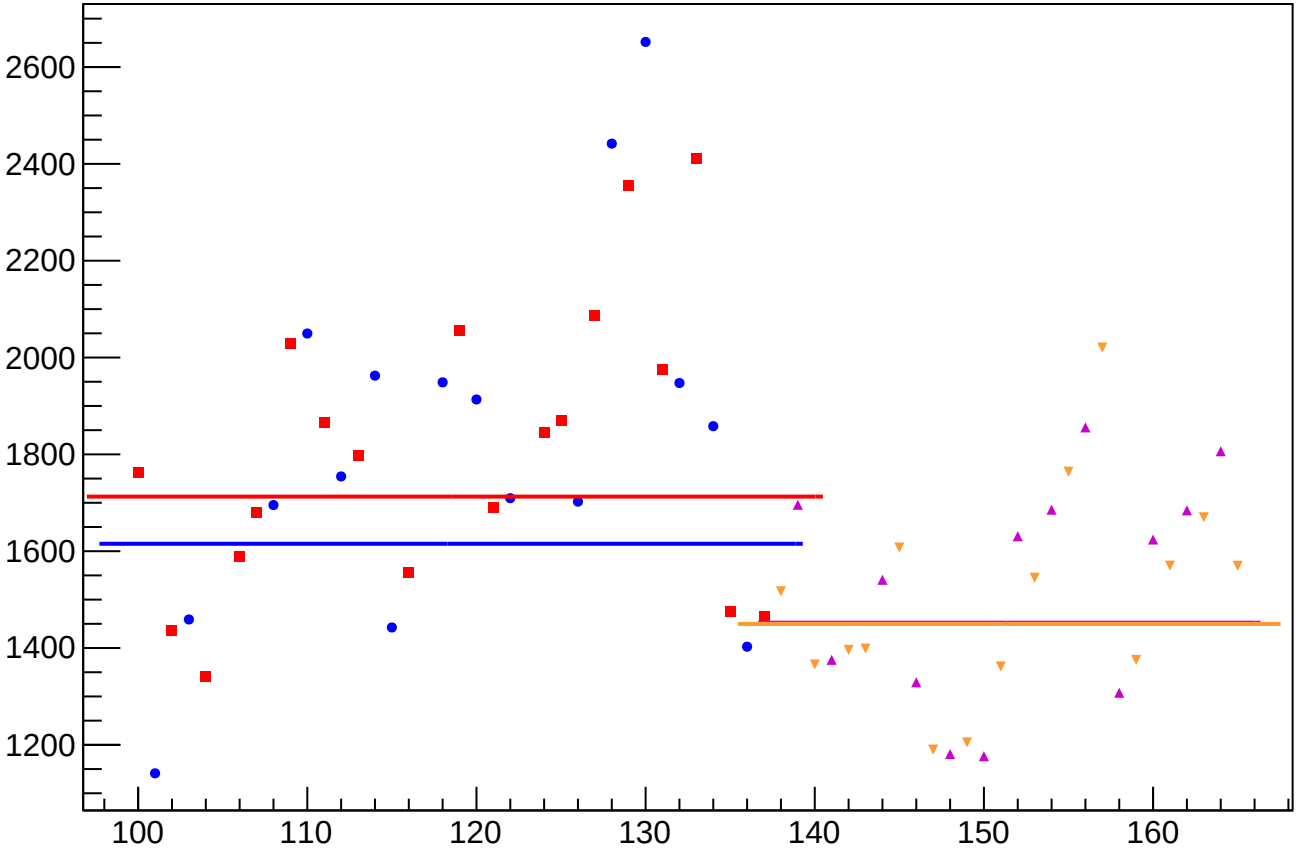
Left In: -267.614+/-445.148 χ^2/NDF:12.1/12

+ sign 533.054+/-351.782 χ^2/NDF: 33.1/30

All: 312.471+/-253.250 χ^2/NDF: 62.9/62

- sign 75.162+/-364.876 χ^2/NDF: 28.9/31

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1449.818+/-0.303 χ^2/NDF:420924.7/14

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

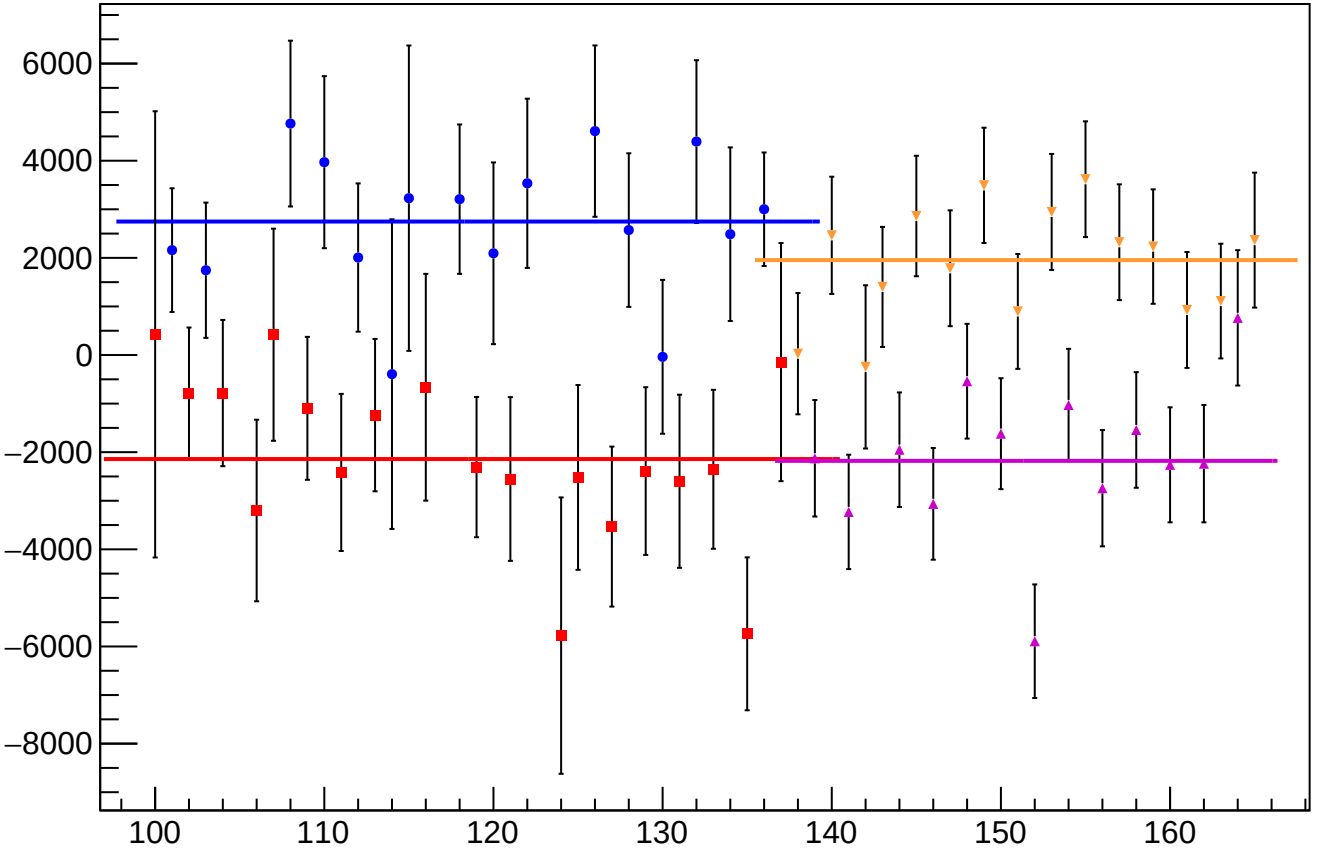
Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

+ sign 1503.426+/-0.249 χ^2/NDF: 1211494.0/30

All: 1519.990+/-0.179 χ^2/NDF: 2369384.9/62

- sign 1537.810+/-0.258 χ^2/NDF: 1148686.5/31

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1954.195+/-318.035 χ^2/NDF:11.6/14

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

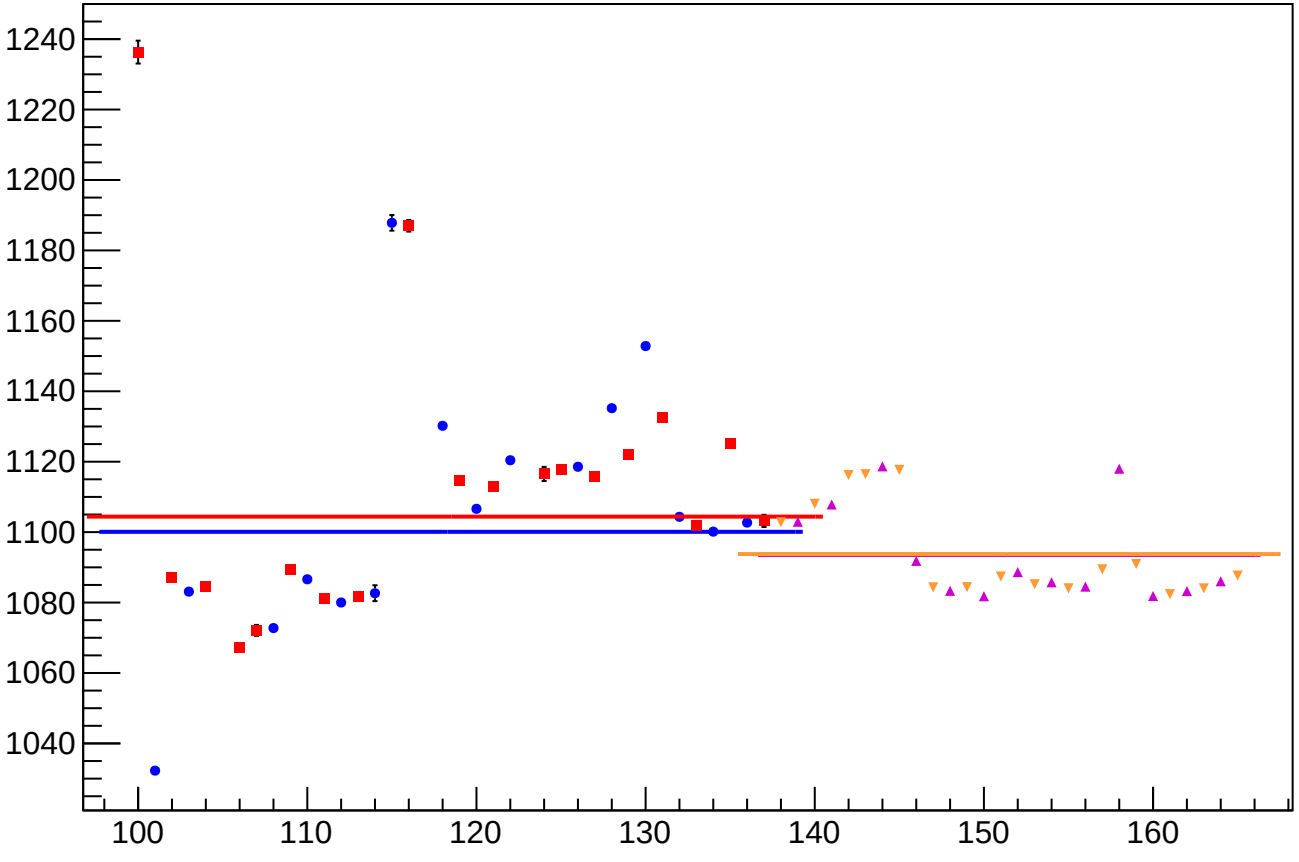
Left In: -2178.907+/-330.159 χ^2/NDF:19.6/12

+ sign 2253.506+/-251.009 χ^2/NDF: 23.5/30

All: 82.673+/-179.002 χ^2/NDF: 208.9/62

- sign -2163.741+/-255.341 χ^2/NDF: 33.2/31

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1093.766+/-0.225 χ^2/NDF:3097.7/14

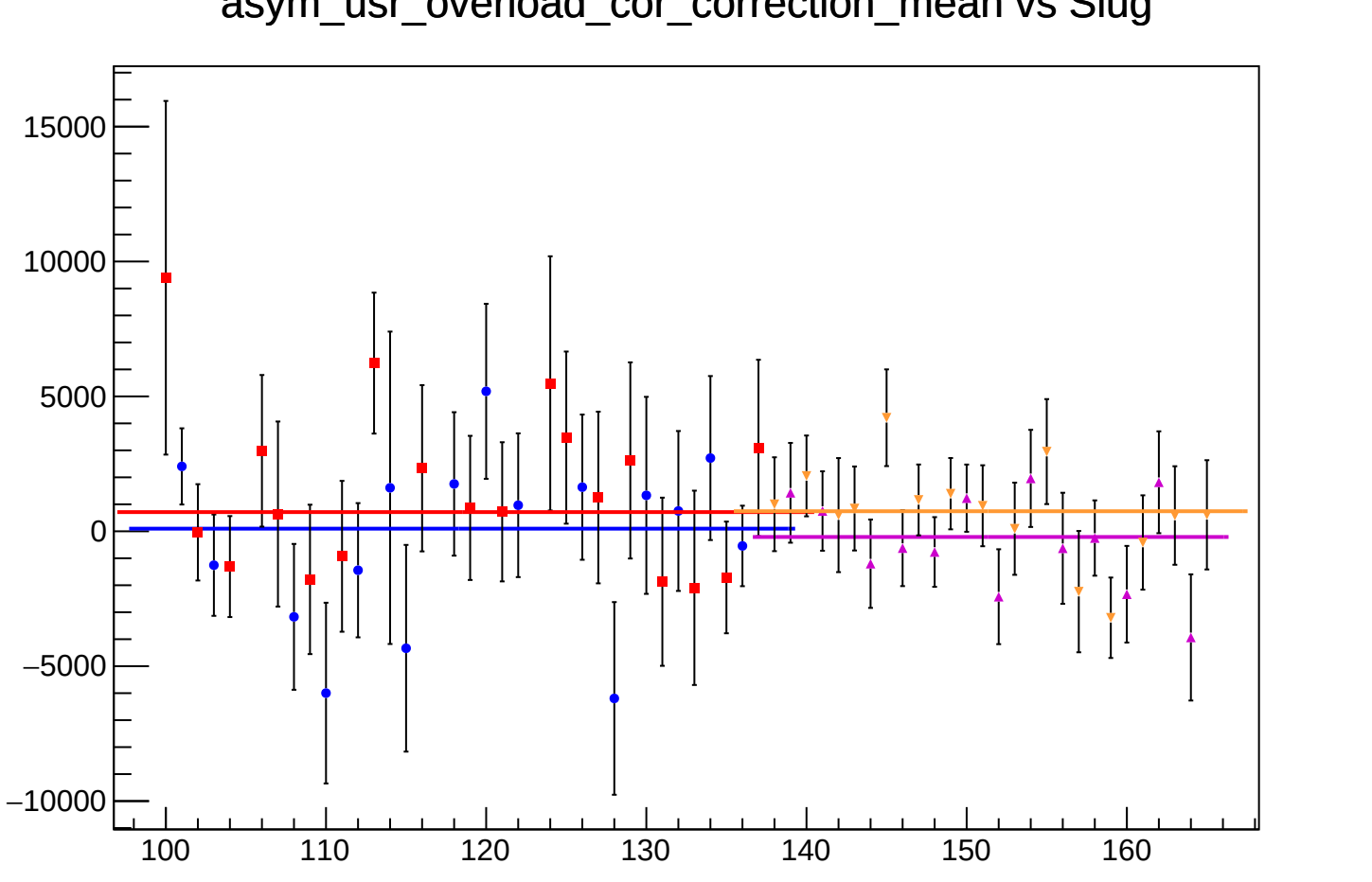
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1093.509+/-0.233 χ^2/NDF:3174.7/12

\+ sign 1096.151+/-0.177 χ^2/NDF: 16473.0/30

All: 1097.004+/-0.127 χ^2/NDF: 29113.3/62

\- sign 1097.887+/-0.181 χ^2/NDF: 12593.3/31



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 743.466+/-428.498 χ^2/NDF:15.6/14

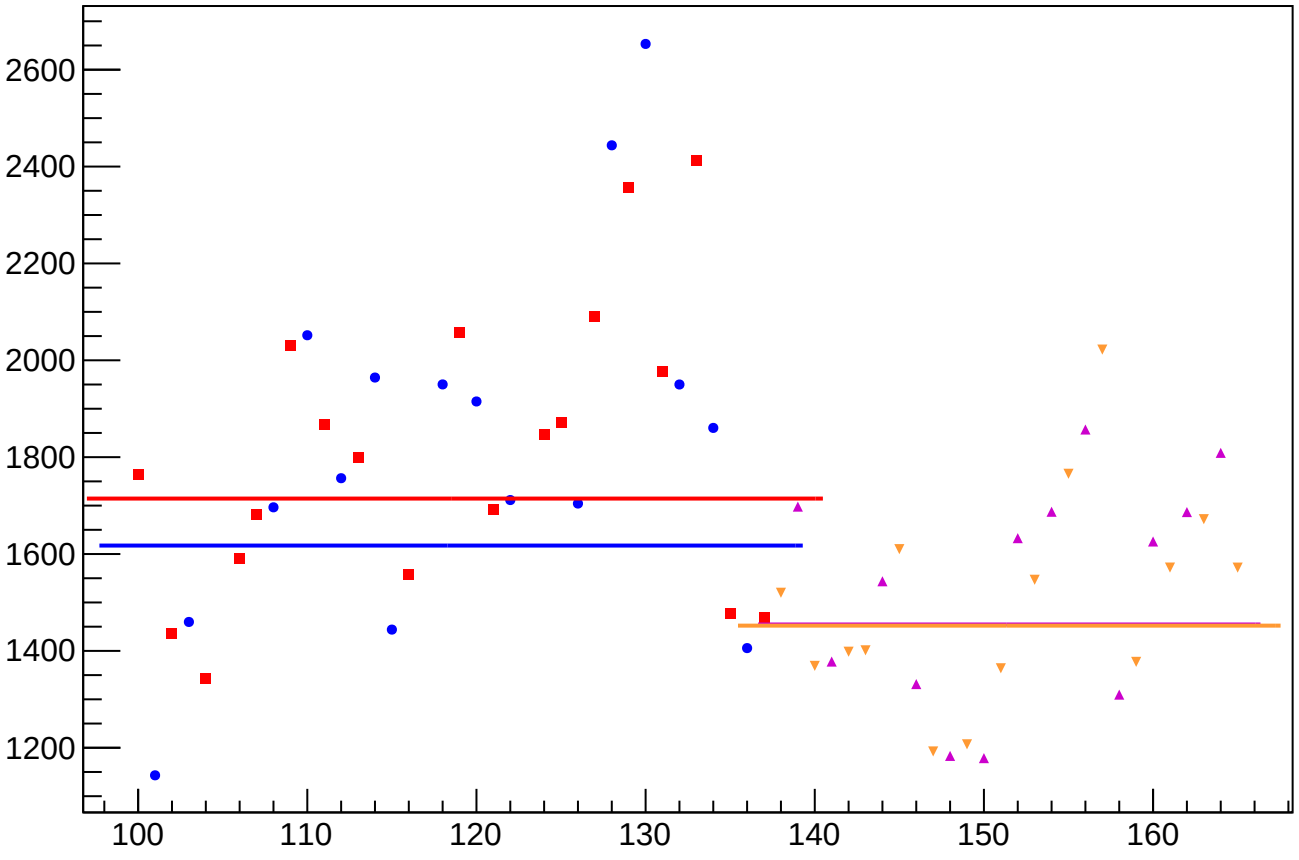
Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -210.697+/-445.796 χ^2/NDF:11.4/12

+ sign 534.122+/-352.295 χ^2/NDF: 33.5/30

All: 321.118+/-253.600 χ^2/NDF: 62.0/62

- sign 92.036+/-365.349 χ^2/NDF: 27.7/31



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1452.158+/-0.303 χ^2/NDF:419143.4/14

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

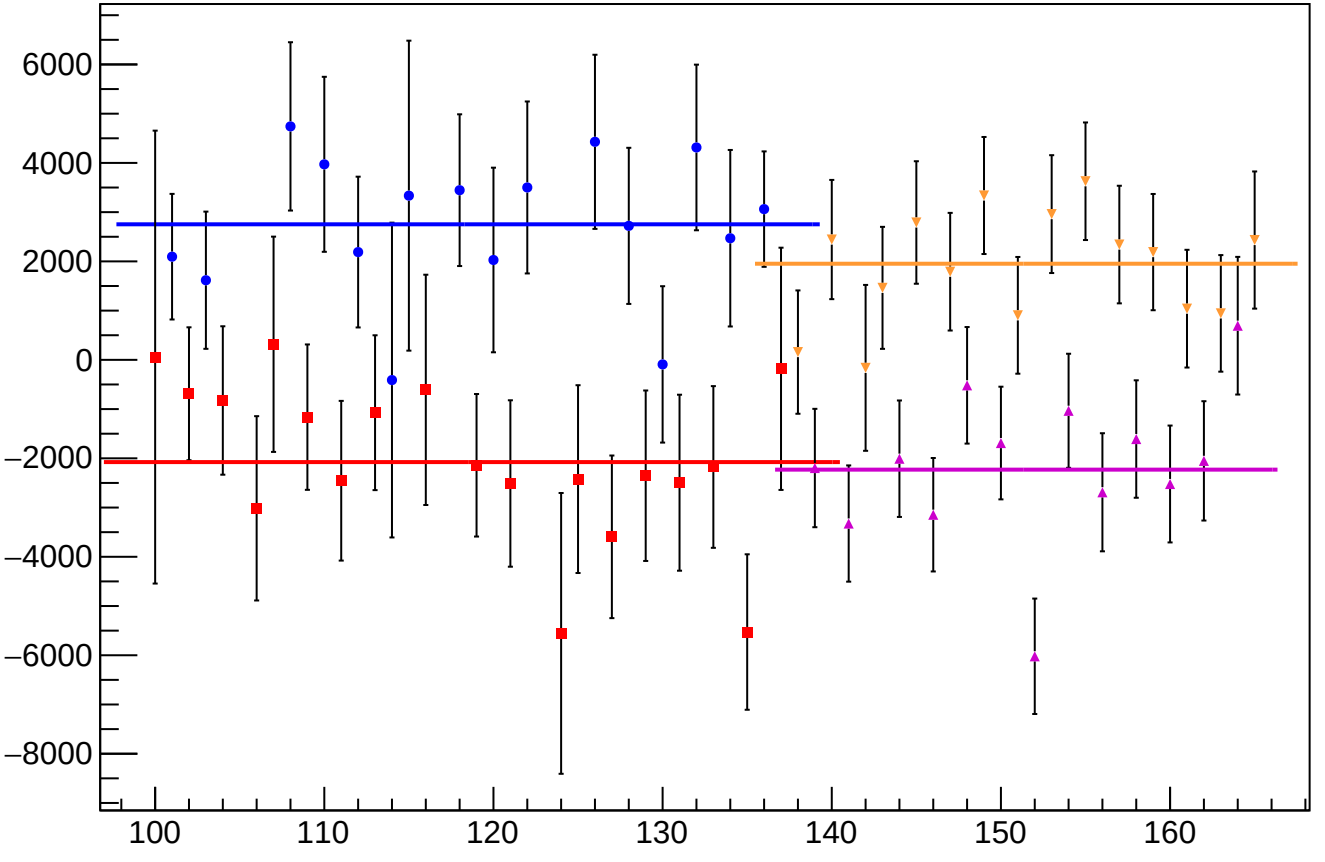
Left In: 1454.543+/-0.315 χ^2/NDF:494154.2/12

+ sign 1505.734+/-0.249 χ^2/NDF: 1207353.4/30

All: 1522.197+/-0.179 χ^2/NDF: 2361600.0/62

- sign 1539.902+/-0.258 χ^2/NDF: 1145181.9/31

eigen_cor_asym_usr_mean vs Slug



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

Left Out: 1952.431+/-318.866 χ^2/NDF:10.8/14

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

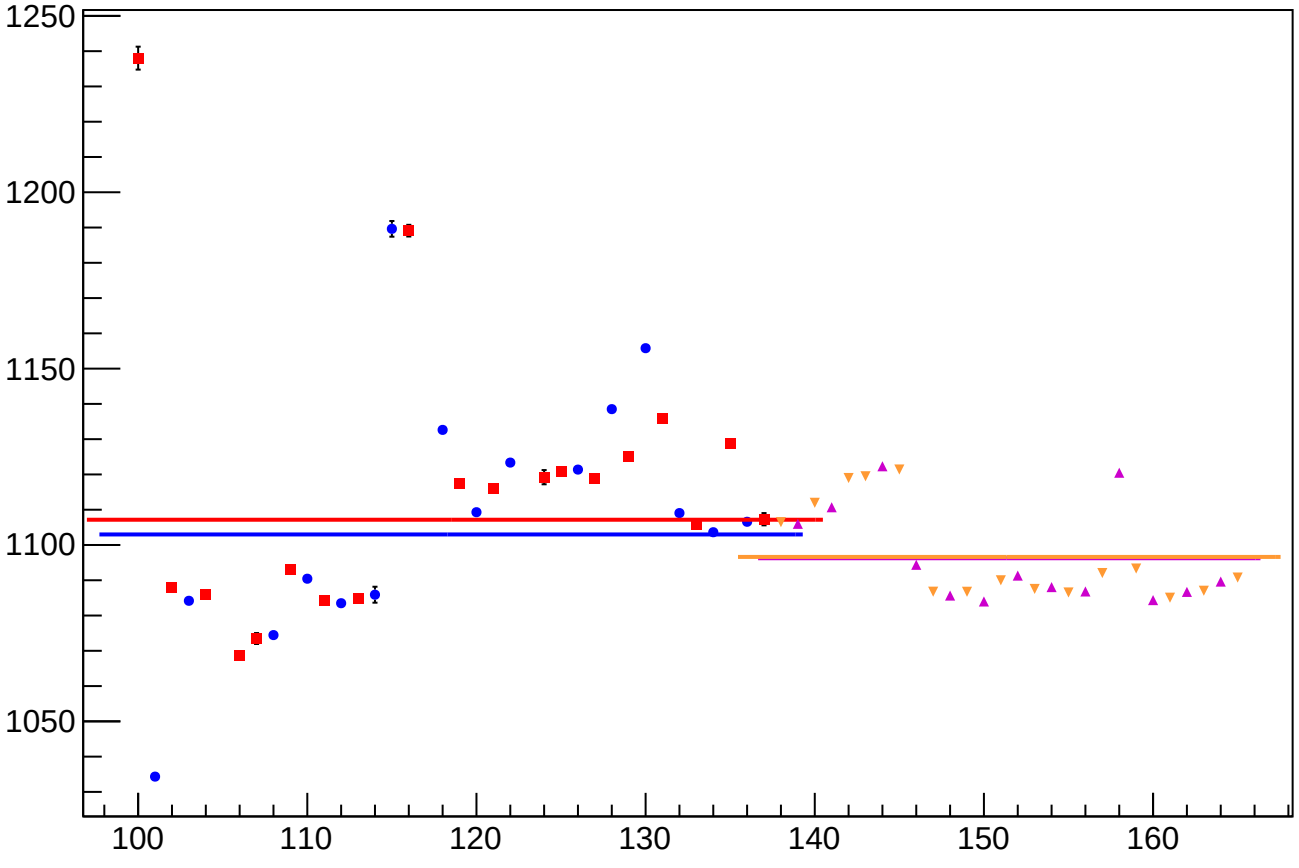
Left In: -2229.906+/-330.985 χ^2/NDF:20.2/12

+ sign 2254.352+/-251.667 χ^2/NDF: 22.7/30

All: 80.623+/-179.461 χ^2/NDF: 207.3/62

- sign -2168.245+/-255.979 χ^2/NDF: 32.9/31

eigen_cor_asym_usr_rms vs Slug



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

Left Out: 1096.616+/-0.225 χ^2/NDF:3264.9/14

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

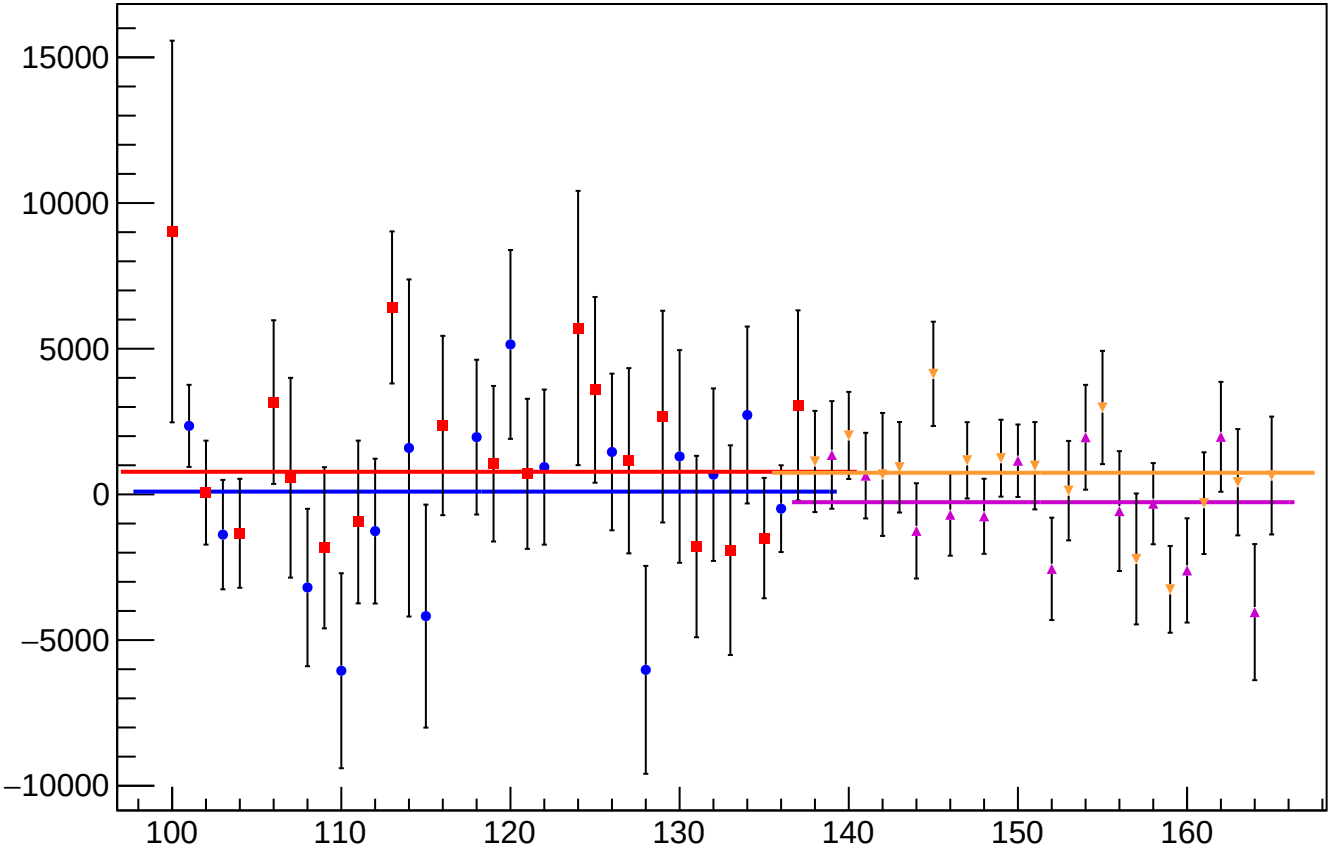
Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

+ sign 1099.019+/-0.178 χ^2/NDF: 16789.7/30

All: 1099.810+/-0.127 χ^2/NDF: 29639.1/62

- sign 1100.629+/-0.181 χ^2/NDF: 12809.1/31

asym_usr_eigen_cor_correction_mean vs Slug



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

Left Out: 742.475+/-427.834 χ^2/NDF:15.5/14

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

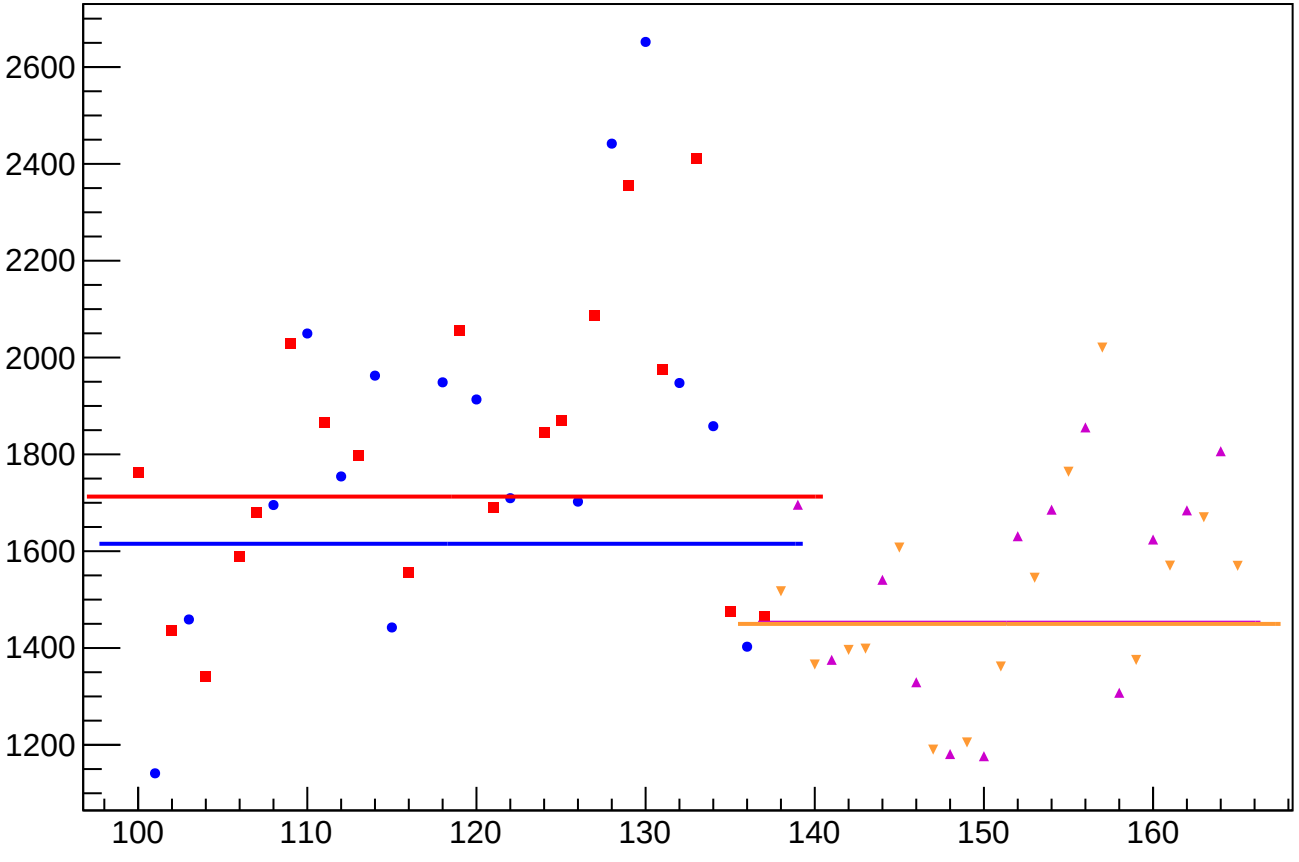
Left In: -267.614+/-445.148 χ^2/NDF:12.1/12

+ sign 533.054+/-351.782 χ^2/NDF: 33.1/30

All: 312.471+/-253.250 χ^2/NDF: 62.9/62

- sign 75.162+/-364.876 χ^2/NDF: 28.9/31

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1449.818+/-0.303 χ^2/NDF:420924.7/14

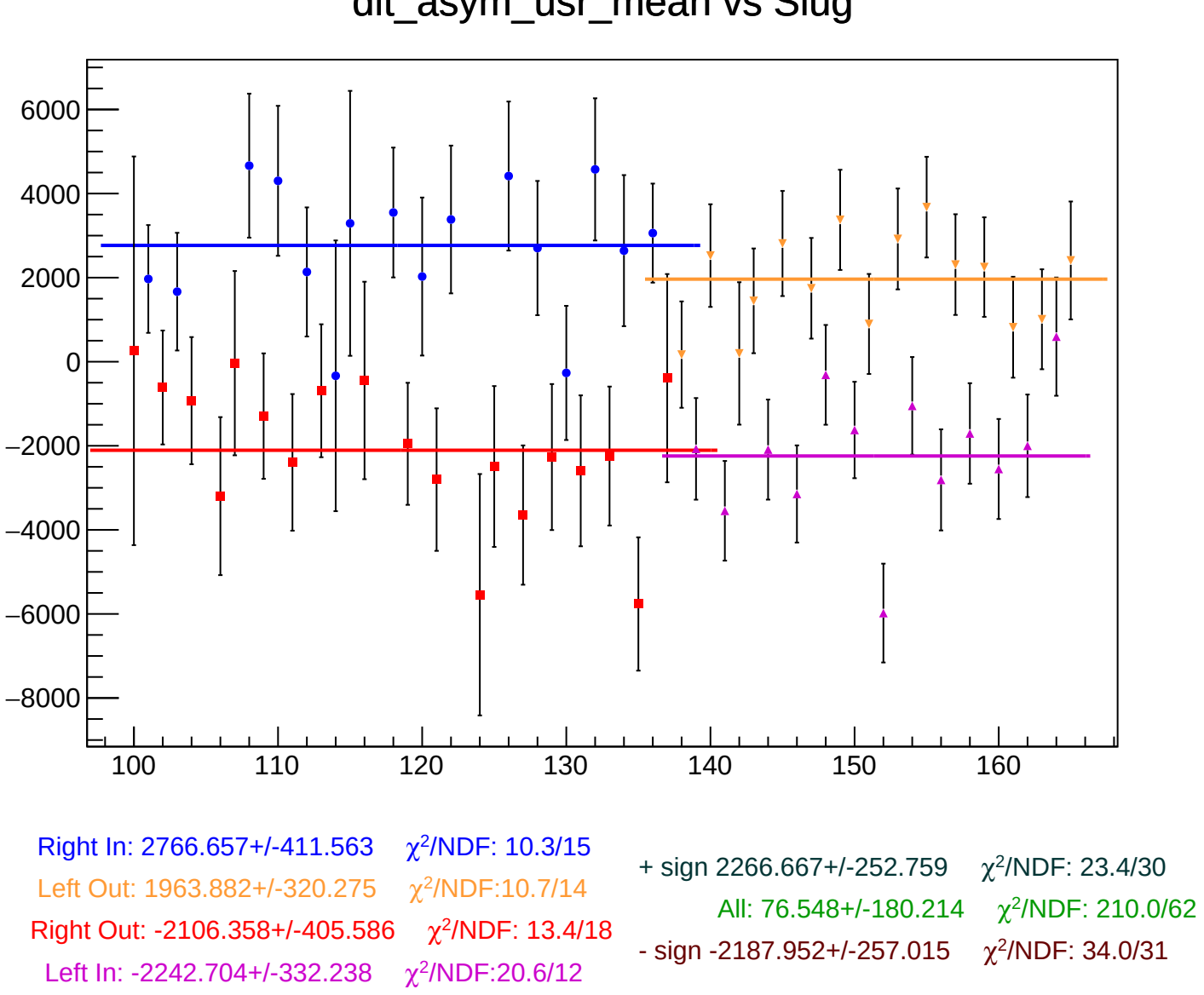
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

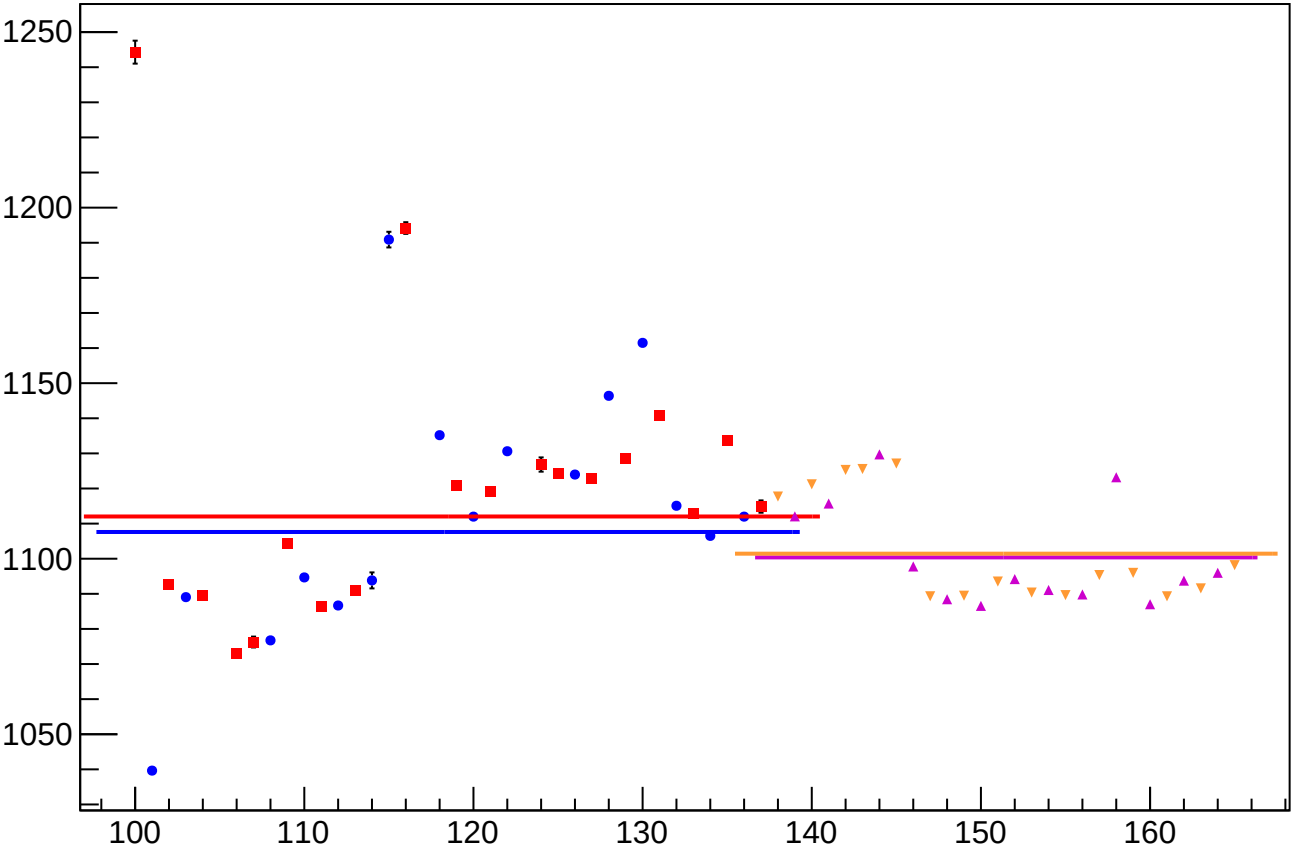
+ sign 1503.426+/-0.249 χ^2/NDF: 1211494.0/30

All: 1519.990+/-0.179 χ^2/NDF: 2369384.9/62

- sign 1537.810+/-0.258 χ^2/NDF: 1148686.5/31


dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 1963.882+/-320.275 χ²/NDF:10.7/14
Right Out: -2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: -2242.704+/-332.238 χ²/NDF:20.6/12
+ sign 2266.667+/-252.759 χ²/NDF: 23.4/30
All: 76.548+/-180.214 χ²/NDF: 210.0/62
- sign -2187.952+/-257.015 χ²/NDF: 34.0/31

dit_asym_usr_rms vs Slug



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

Left Out: 1101.436+/-0.226 χ^2/NDF:4153.2/14

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

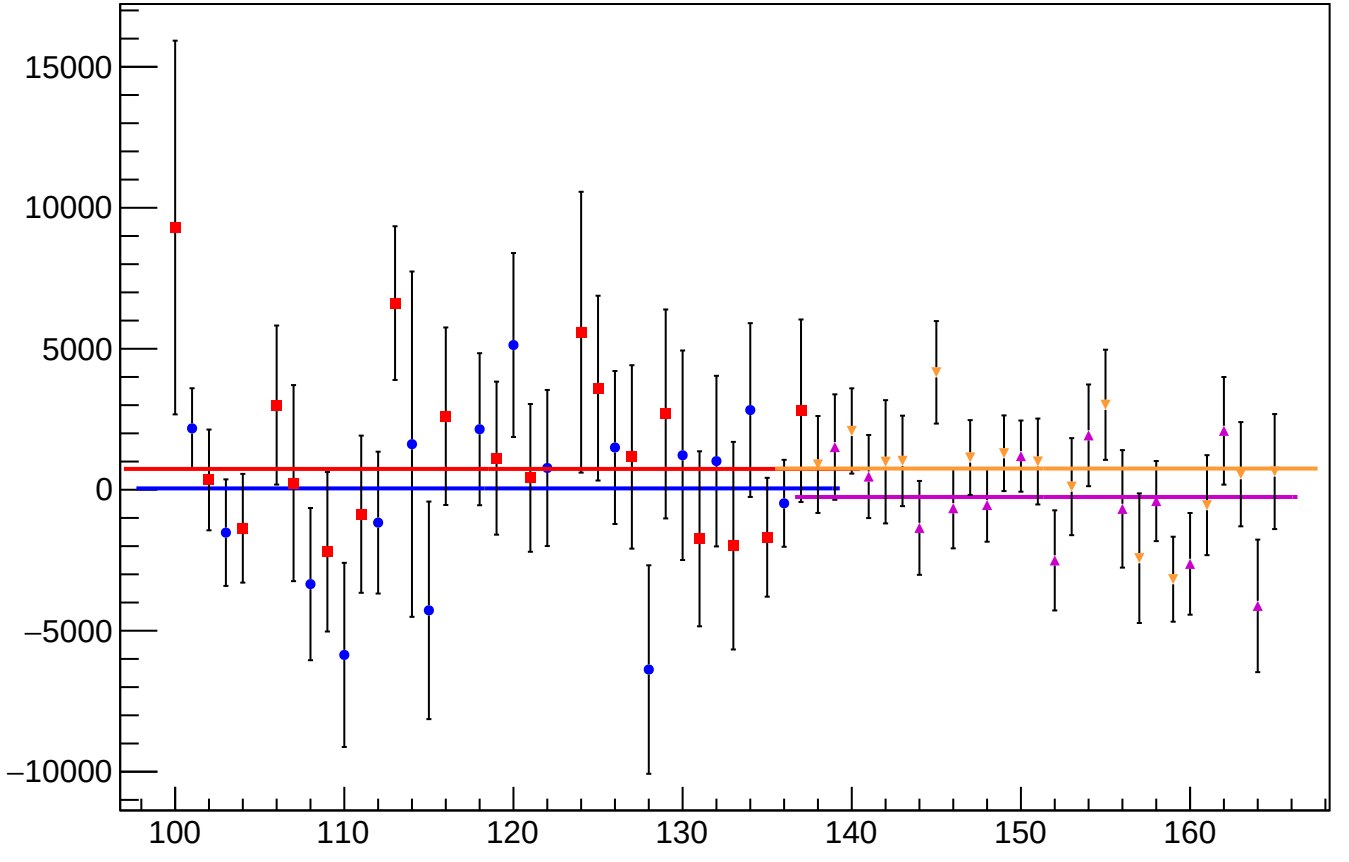
Left In: 1100.372+/-0.235 χ^2/NDF:3633.5/12

+ sign 1103.766+/-0.179 χ^2/NDF: 17654.7/30

All: 1104.399+/-0.127 χ^2/NDF: 30955.8/62

- sign 1105.053+/-0.182 χ^2/NDF: 13275.7/31

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 751.863+/-433.891 χ^2/NDF:15.4/14

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

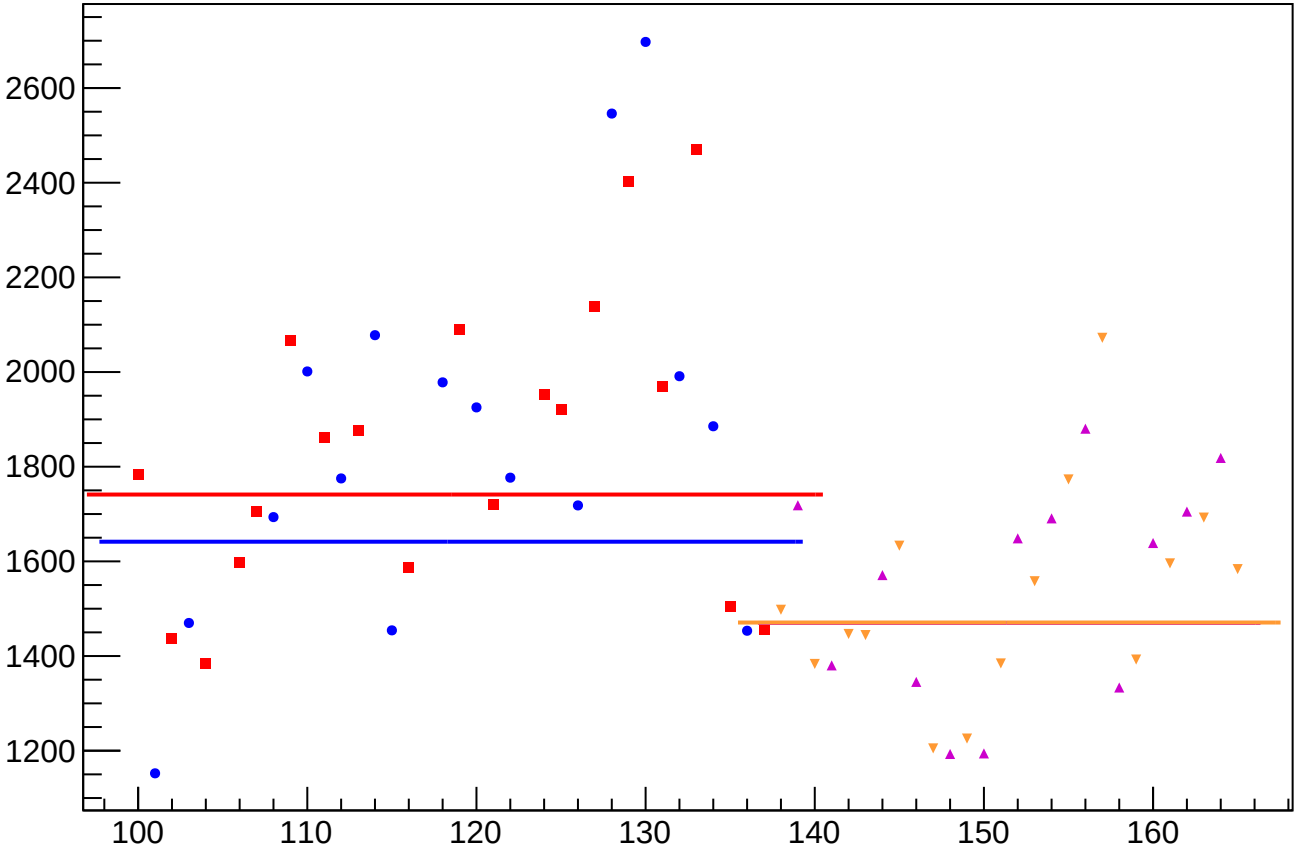
Left In: -257.192+/-450.267 χ^2/NDF:12.1/12

+ sign 524.405+/-356.986 χ^2/NDF: 33.1/30

All: 303.745+/-256.813 χ^2/NDF: 62.5/62

- sign 67.053+/-369.726 χ^2/NDF: 28.6/31

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1470.790+/-0.307 χ^2/NDF:417827.7/14

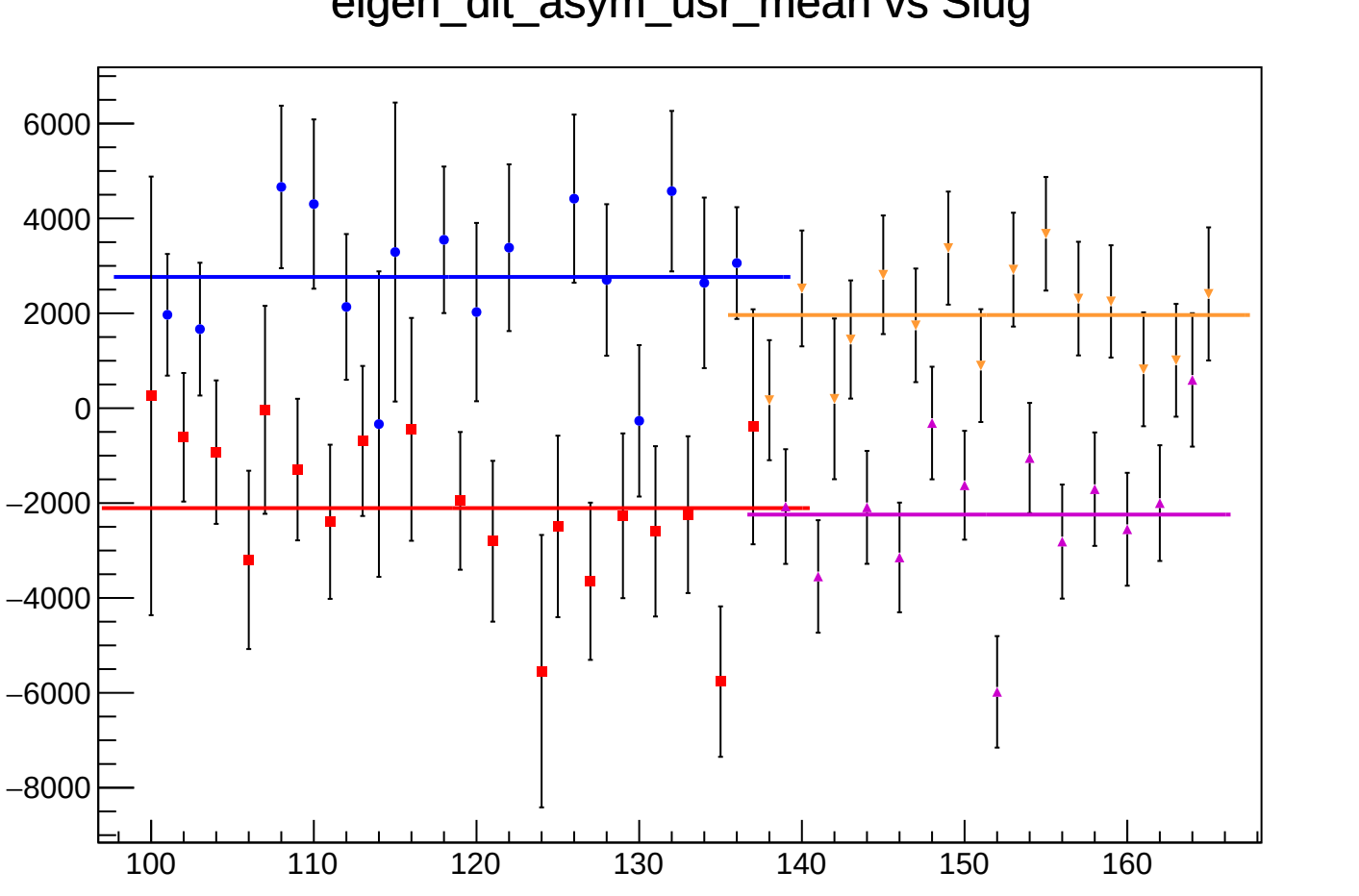
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1469.864+/-0.318 χ^2/NDF:489489.5/12

+ sign 1525.954+/-0.252 χ^2/NDF: 1219203.1/30

All: 1541.537+/-0.182 χ^2/NDF: 2391514.5/62

- sign 1558.252+/-0.261 χ^2/NDF: 1164413.0/31



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1963.879+/-320.275 χ^2/NDF:10.7/14

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

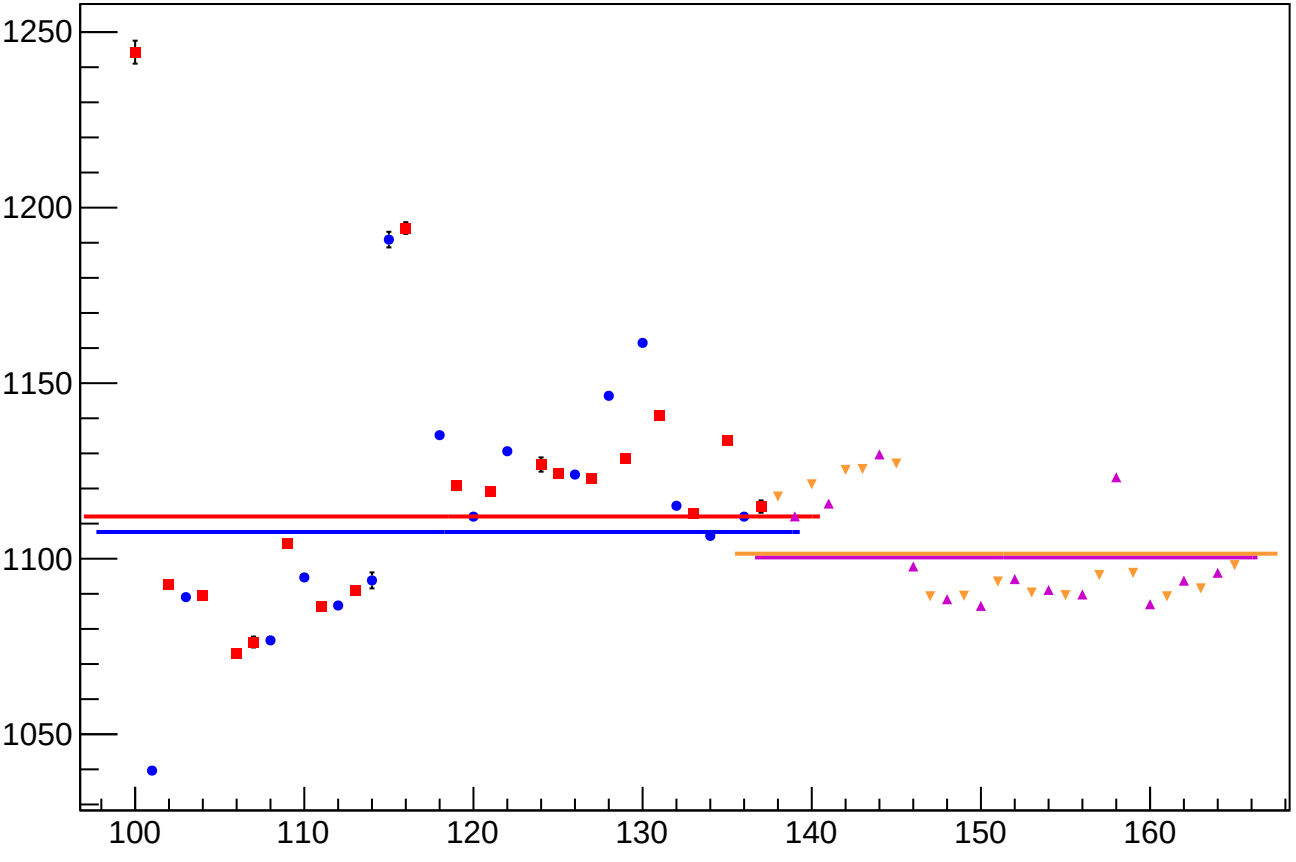
Left In: -2242.705+/-332.238 χ^2/NDF:20.6/12

+ sign 2266.665+/-252.759 χ^2/NDF: 23.4/30

All: 76.546+/-180.214 χ^2/NDF: 210.0/62

- sign -2187.954+/-257.015 χ^2/NDF: 34.0/31

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.436+/-0.226 χ^2/NDF:4153.2/14

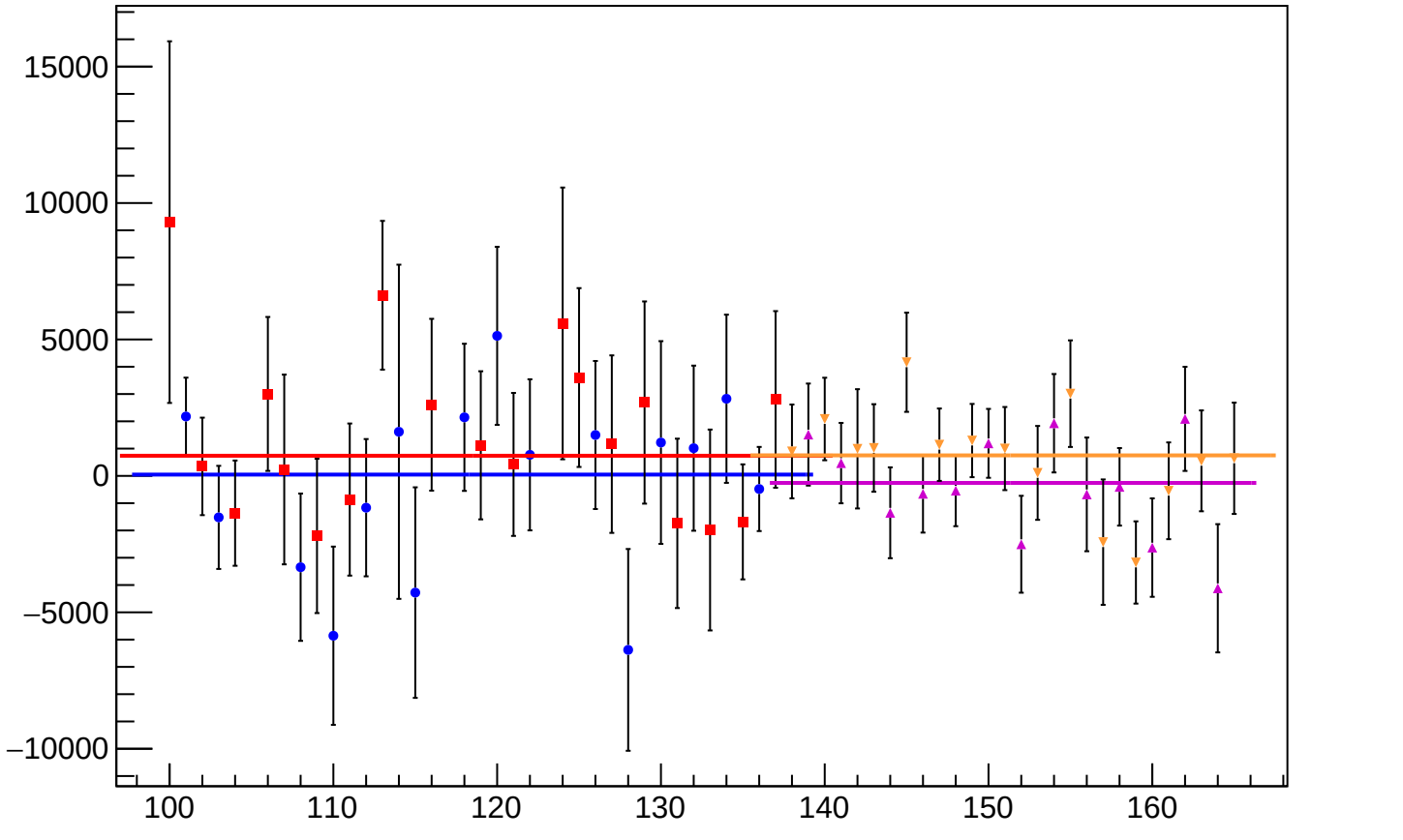
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.372+/-0.235 χ^2/NDF:3633.5/12

+ sign 1103.766+/-0.179 χ^2/NDF: 17654.5/30

All: 1104.399+/-0.127 χ^2/NDF: 30955.7/62

- sign 1105.053+/-0.182 χ^2/NDF: 13275.6/31



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

Left Out: 751.862+/-433.892 χ^2/NDF:15.4/14

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

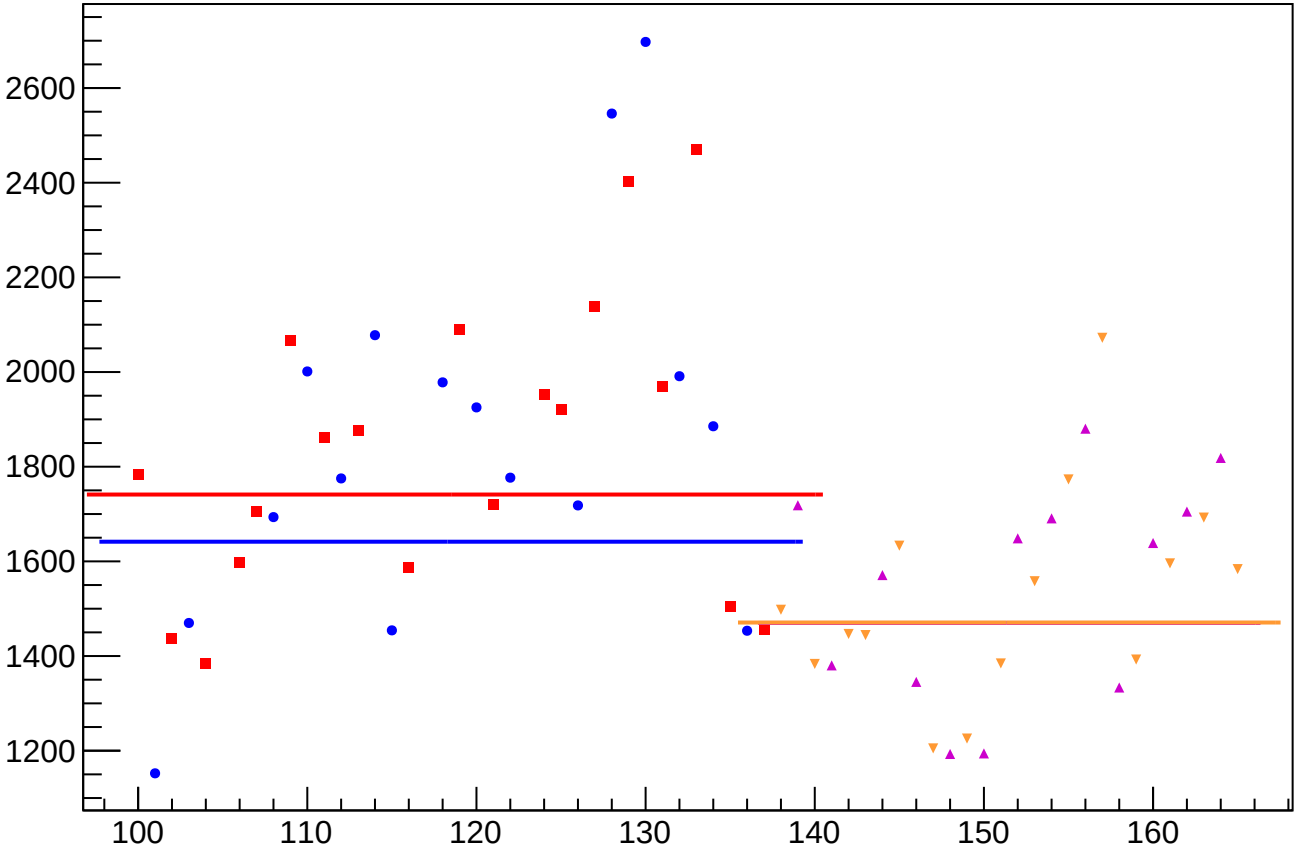
Left In: -257.193+/-450.268 χ^2/NDF:12.1/12

+ sign 524.402+/-356.987 χ^2/NDF: 33.1/30

All: 303.744+/-256.814 χ^2/NDF: 62.5/62

- sign 67.055+/-369.727 χ^2/NDF: 28.6/31

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1470.794+/-0.307 χ^2/NDF:417832.2/14

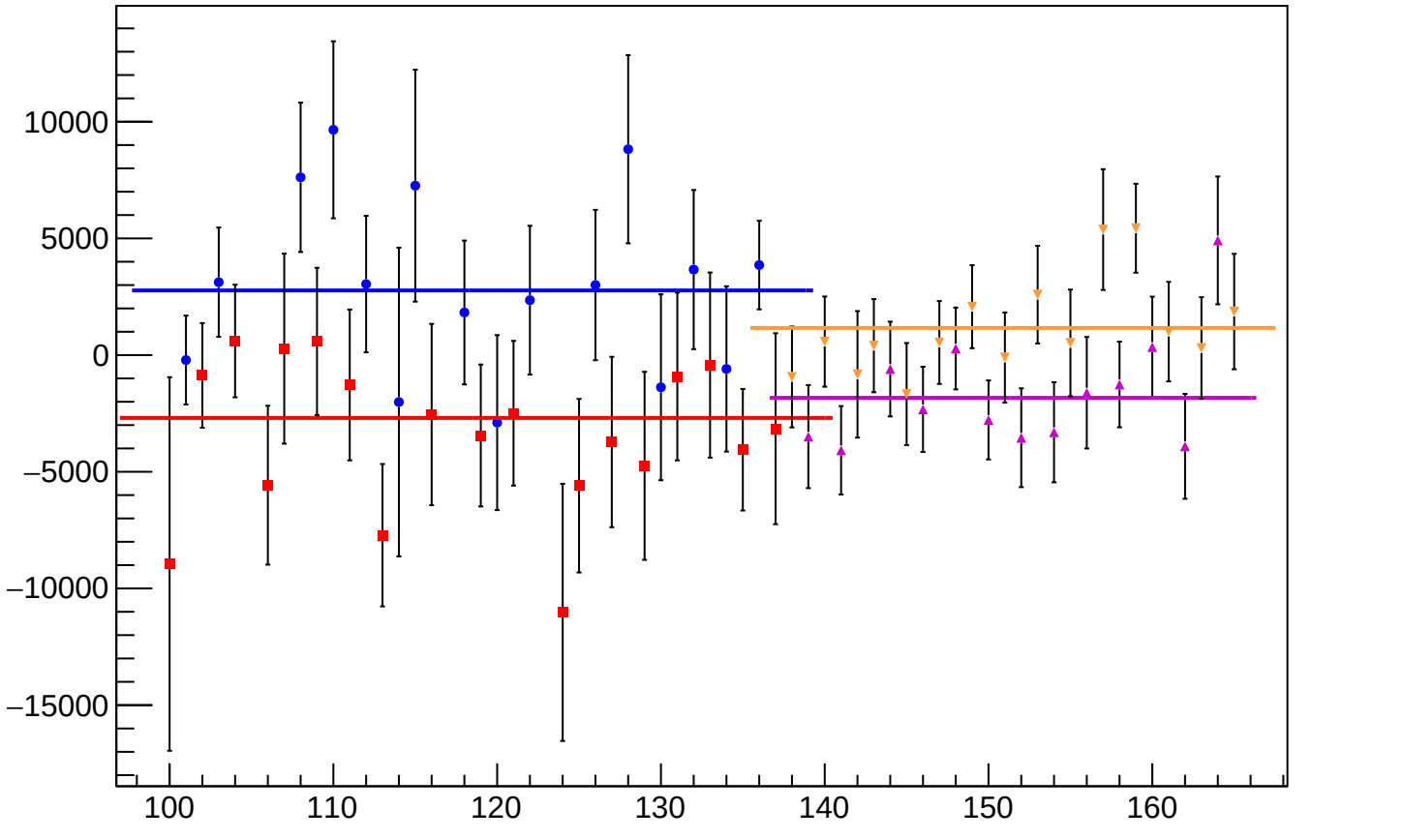
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1469.867+/-0.318 χ^2/NDF:489495.0/12

+ sign 1525.956+/-0.252 χ^2/NDF: 1219189.0/30

All: 1541.539+/-0.182 χ^2/NDF: 2391485.2/62

- sign 1558.254+/-0.261 χ^2/NDF: 1164397.6/31



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1162.895+/-540.830 χ^2/NDF:12.7/14

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

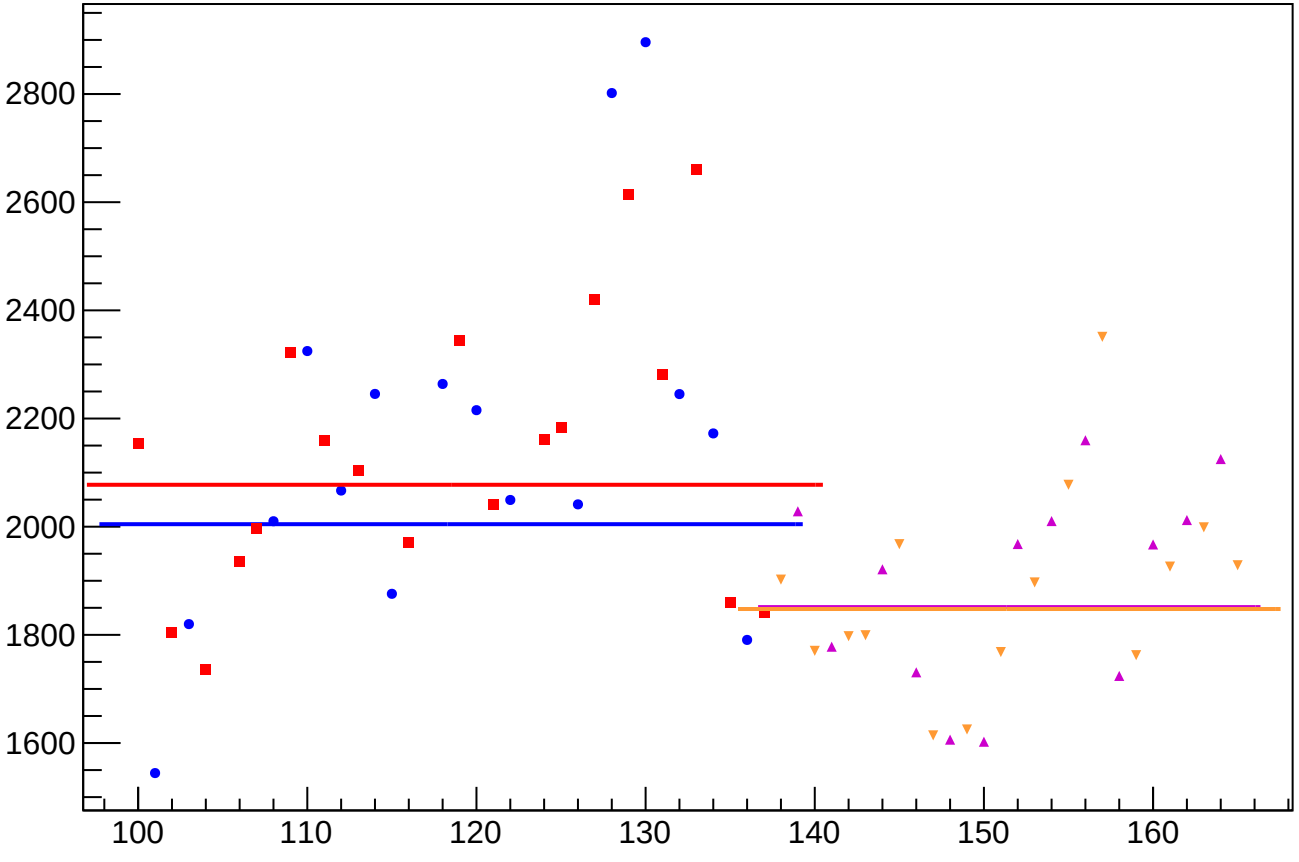
Left In: -1831.171+/-562.493 χ^2/NDF:13.4/12

+ sign 1705.869+/-440.081 χ^2/NDF: 32.1/30

All: -156.683+/-315.765 χ^2/NDF: 95.7/62

- sign -2133.087+/-453.332 χ^2/NDF: 26.7/31

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1847.810+/-0.382 χ^2/NDF:197136.4/14

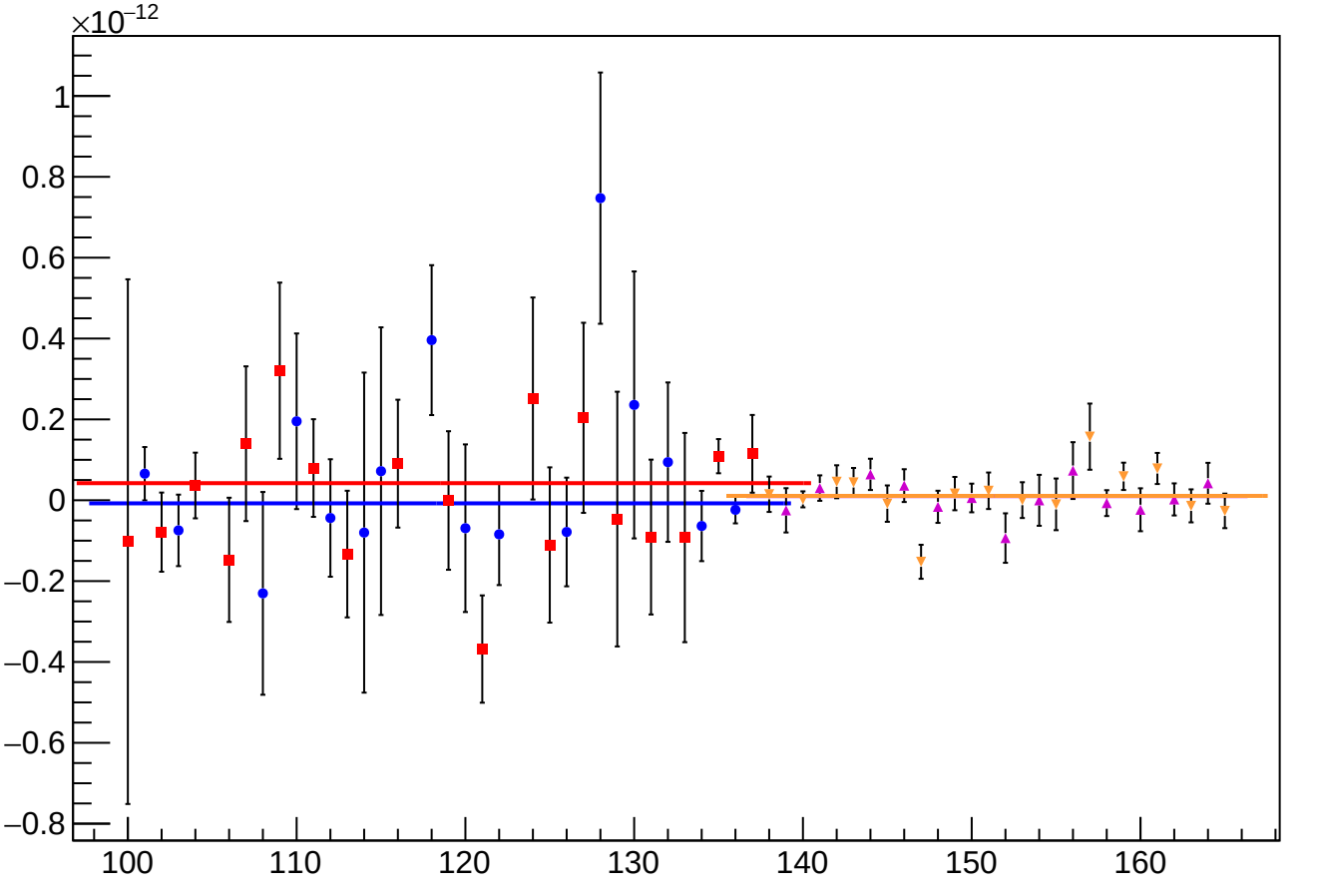
Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1851.375+/-0.398 χ^2/NDF:205423.9/12

+ sign 1900.796+/-0.311 χ^2/NDF: 641522.2/30

All: 1915.269+/-0.223 χ^2/NDF: 1195164.5/62

- sign 1930.626+/-0.321 χ^2/NDF: 549184.2/31



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/14

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

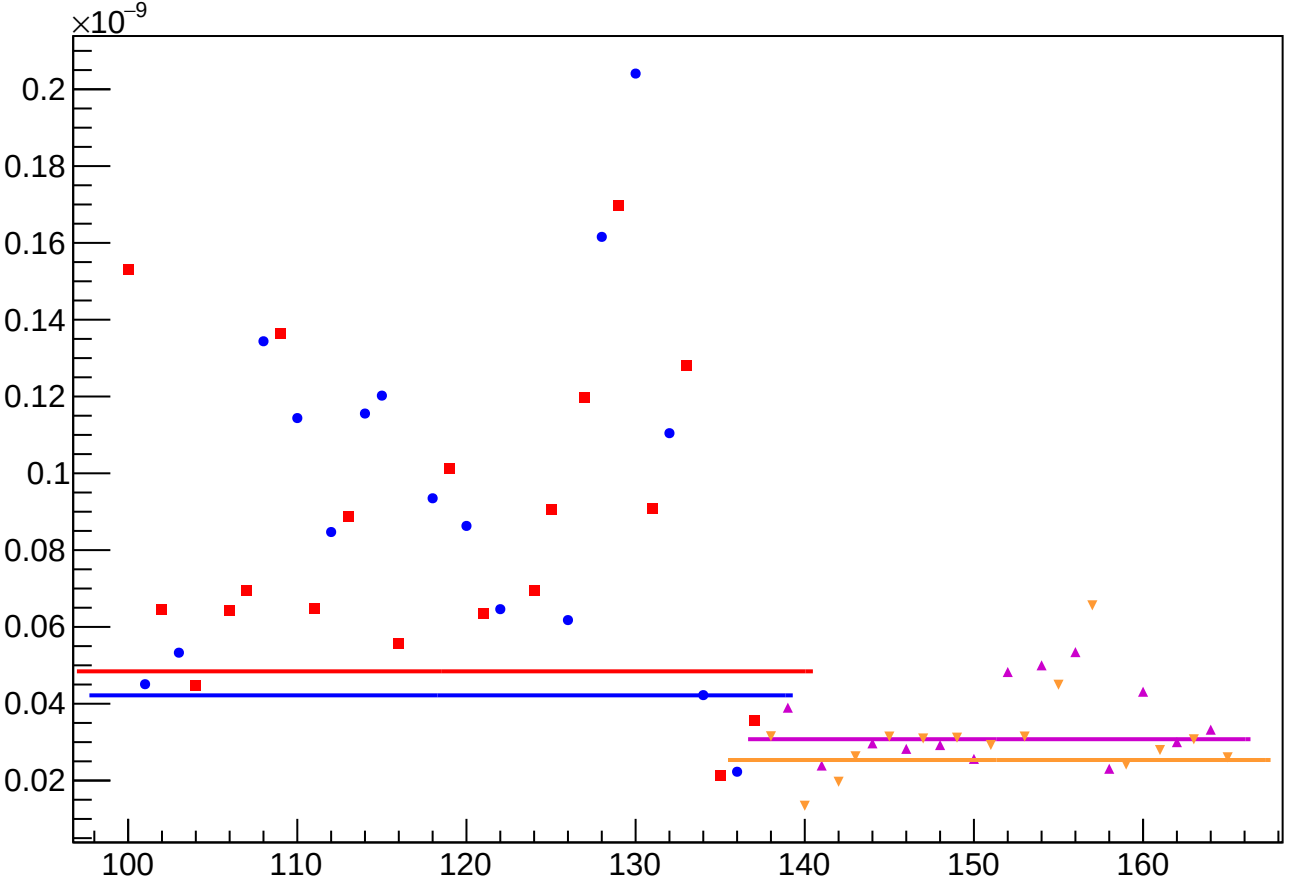
Left In: 0.000+/-0.000 χ^2/NDF:8.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/30

All: 0.000+/-0.000 χ^2/NDF: 75.4/62

- sign 0.000+/-0.000 χ^2/NDF: 31.4/31

asym_usr_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:1688235.8/14

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

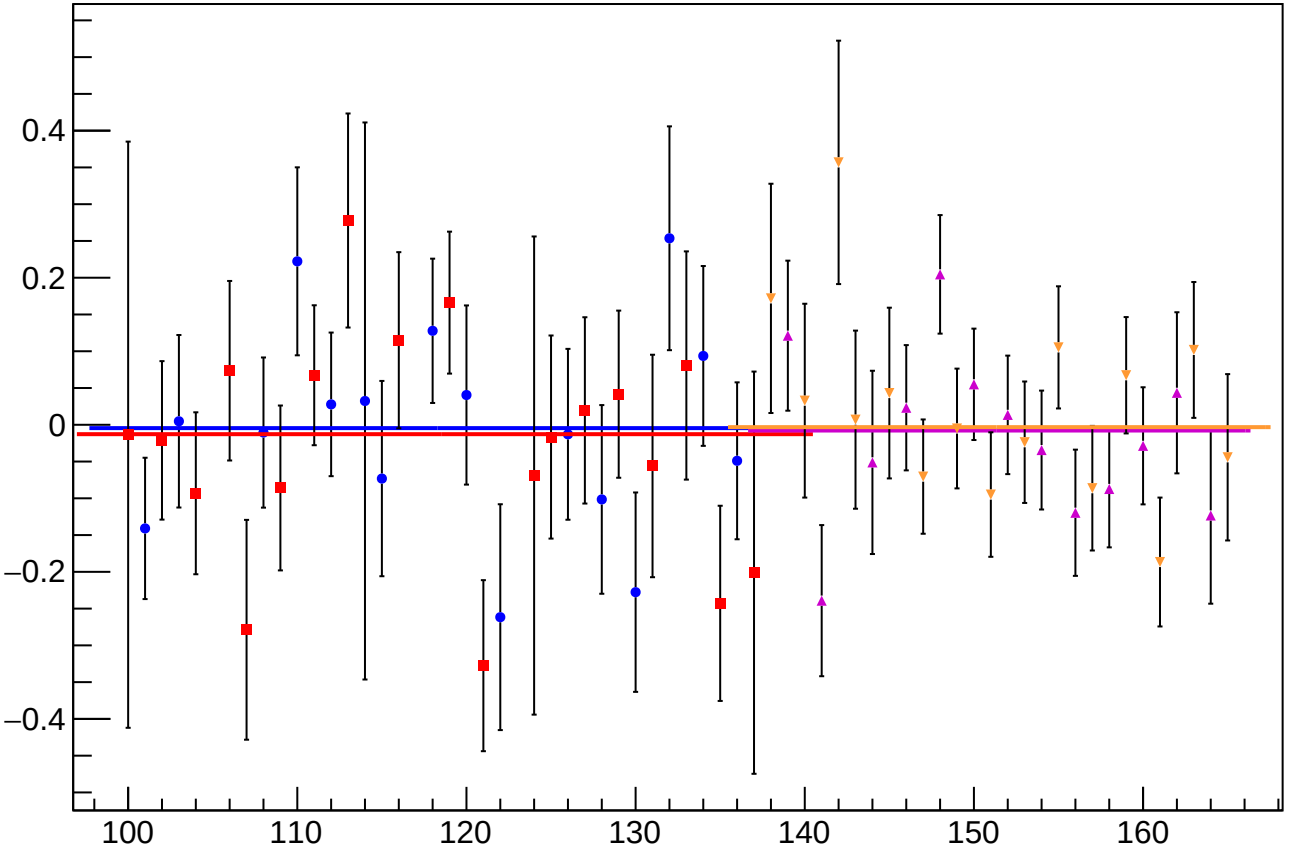
Left In: 0.000+/-0.000 χ^2/NDF:982472.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 5445755.5/30

All: 0.000+/-0.000 χ^2/NDF: 10091677.8/62

- sign 0.000+/-0.000 χ^2/NDF: 4304850.3/31

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

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

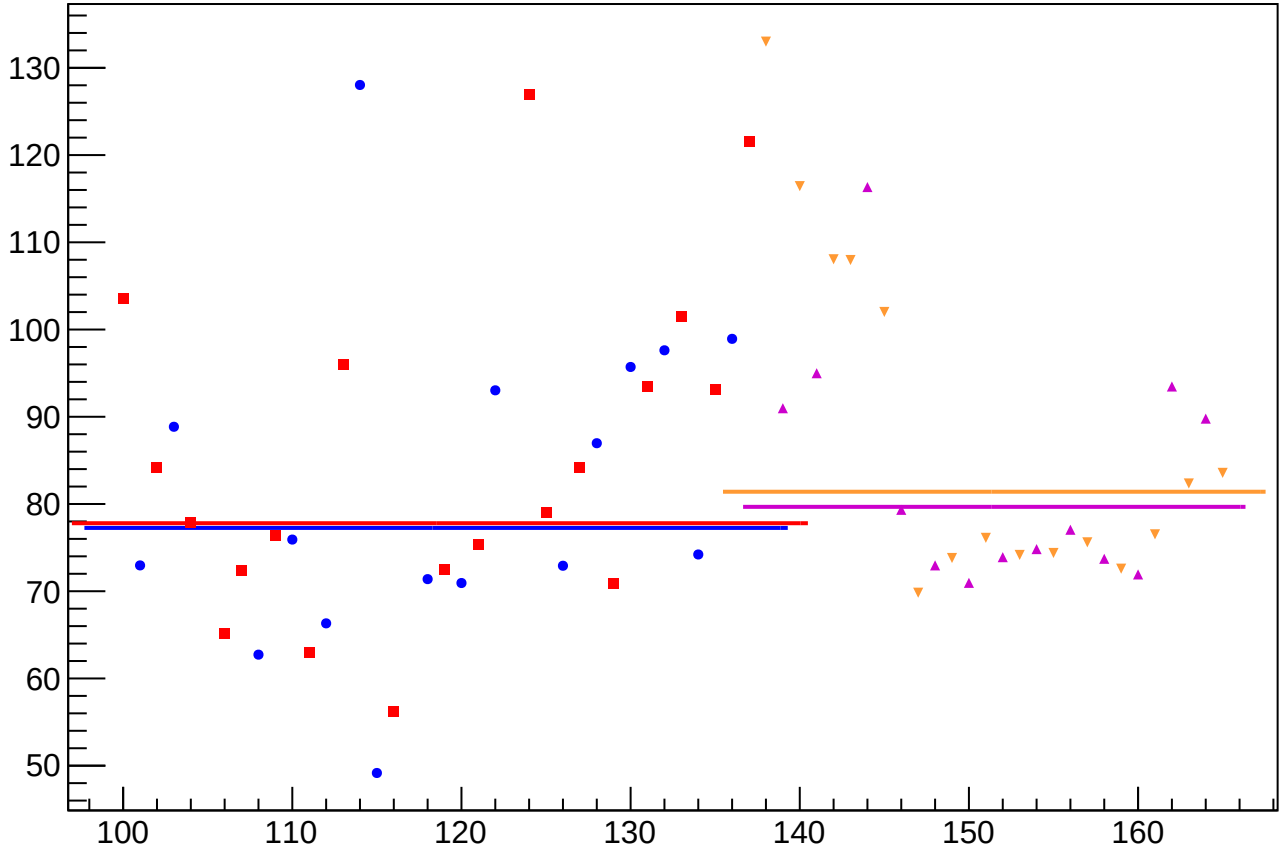
Left In: -0.008+/-0.025 χ^2/NDF:18.6/12

+ sign -0.004+/-0.019 χ^2/NDF: 34.8/30

All: -0.007+/-0.013 χ^2/NDF: 79.0/62

- sign -0.010+/-0.019 χ^2/NDF: 44.1/31

asym_usr_dit_vs_cor_diff_rms vs Slug



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

Left Out: 81.407+/-0.017 χ^2/NDF:712057.7/14

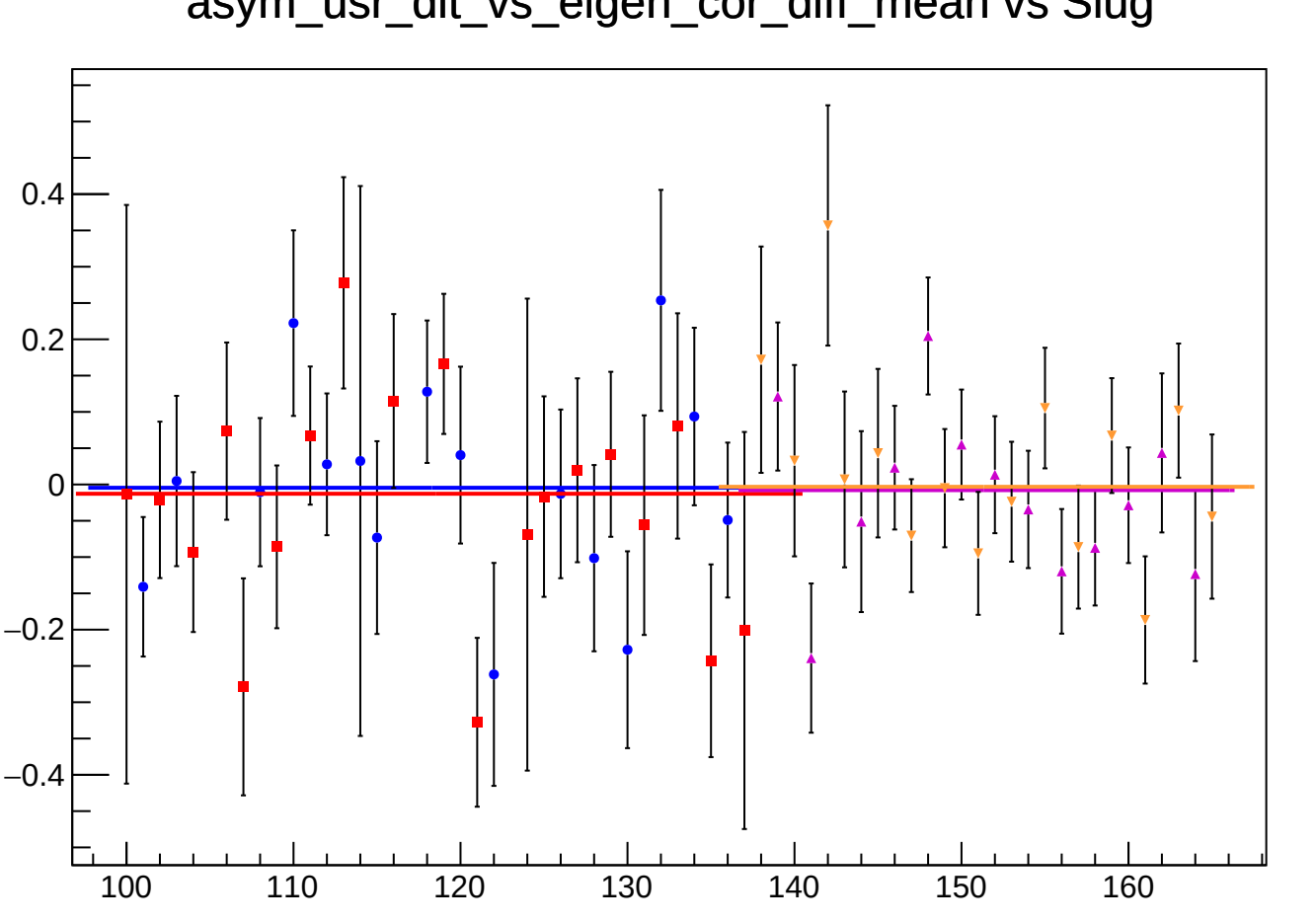
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.674+/-0.017 χ^2/NDF:377814.6/12

+ sign 79.741+/-0.013 χ^2/NDF: 1154147.9/30

All: 79.322+/-0.010 χ^2/NDF: 1935080.5/62

- sign 78.905+/-0.013 χ^2/NDF: 779006.4/31



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

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

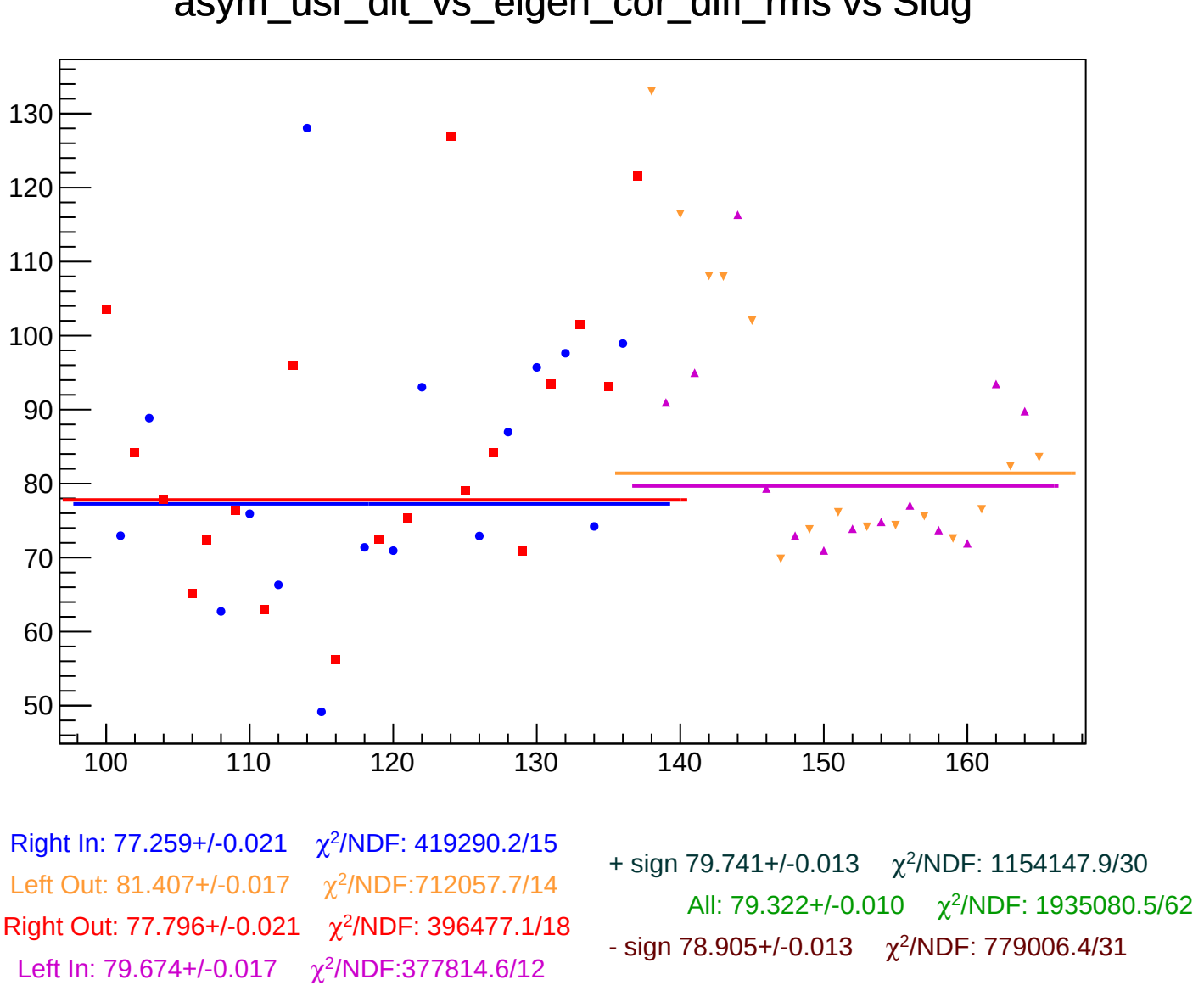
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.008+/-0.025 χ^2/NDF:18.6/12

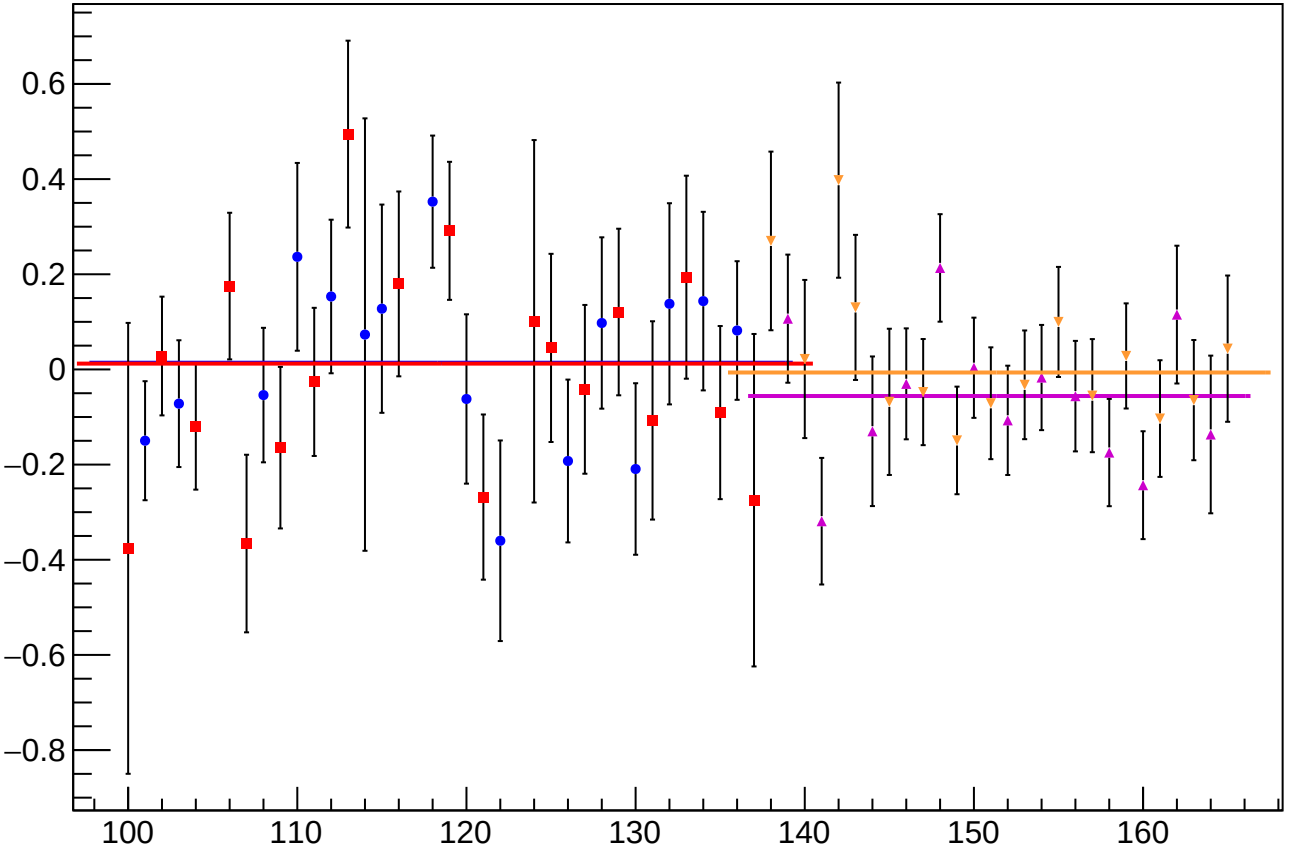
+ sign -0.004+/-0.019 χ^2/NDF: 34.8/30

All: -0.007+/-0.013 χ^2/NDF: 79.0/62

- sign -0.010+/-0.019 χ^2/NDF: 44.1/31


asym_usr_dit_vs_eigen_cor_diff_rms vs Slug
130
120
110
100
90
80
70
60
50
100
110
120
130
140
150
160
Right In: 77.259+/-0.021 χ²/NDF: 419290.2/15
Left Out: 81.407+/-0.017 χ²/NDF:712057.7/14
Right Out: 77.796+/-0.021 χ²/NDF: 396477.1/18
Left In: 79.674+/-0.017 χ²/NDF:377814.6/12
+ sign 79.741+/-0.013 χ²/NDF: 1154147.9/30
All: 79.322+/-0.010 χ²/NDF: 1935080.5/62
- sign 78.905+/-0.013 χ²/NDF: 779006.4/31

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.006+/-0.034 χ^2/NDF:11.2/14

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

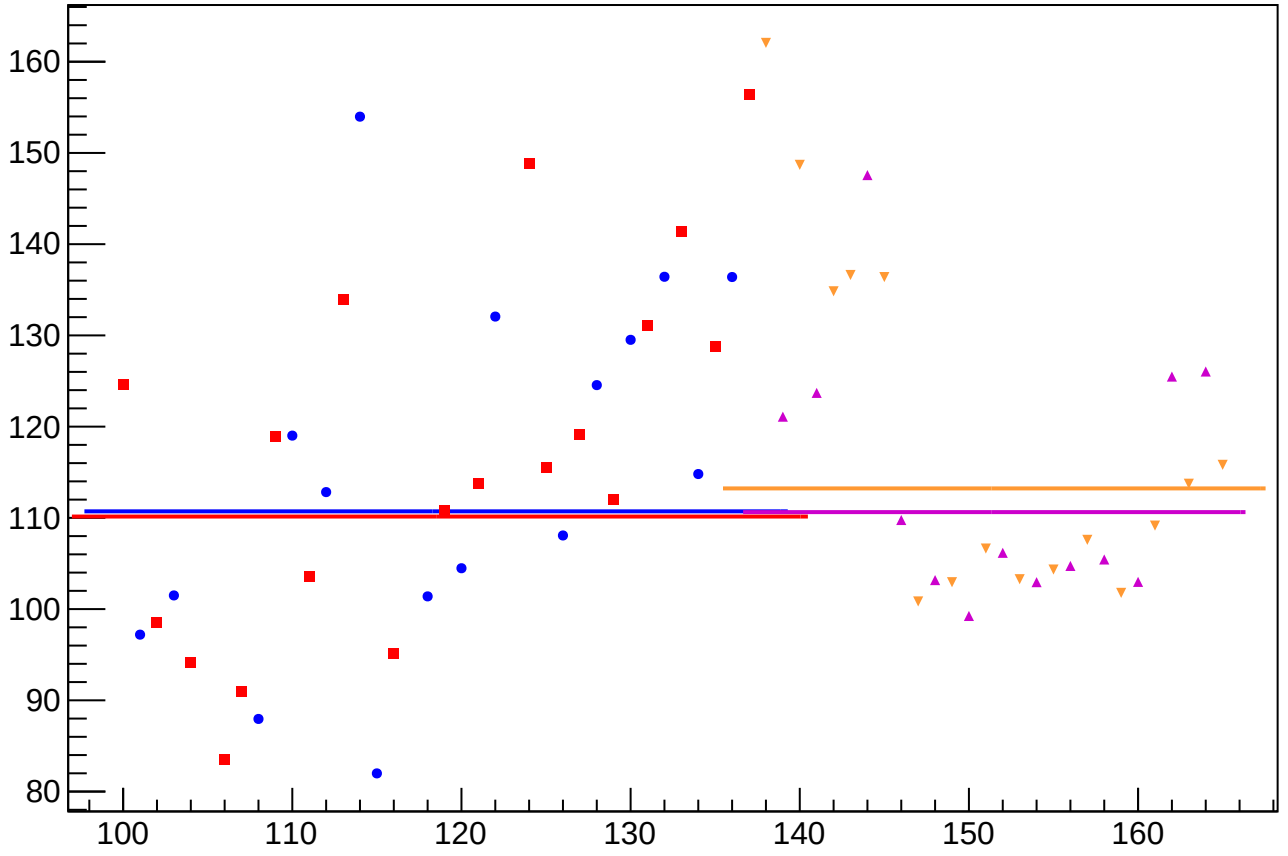
Left In: -0.056+/-0.034 χ^2/NDF:17.4/12

+ sign 0.002+/-0.026 χ^2/NDF: 29.5/30

All: -0.013+/-0.019 χ^2/NDF: 73.0/62

- sign -0.028+/-0.026 χ^2/NDF: 42.8/31

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 113.228+/-0.024 χ^2/NDF:444463.6/14

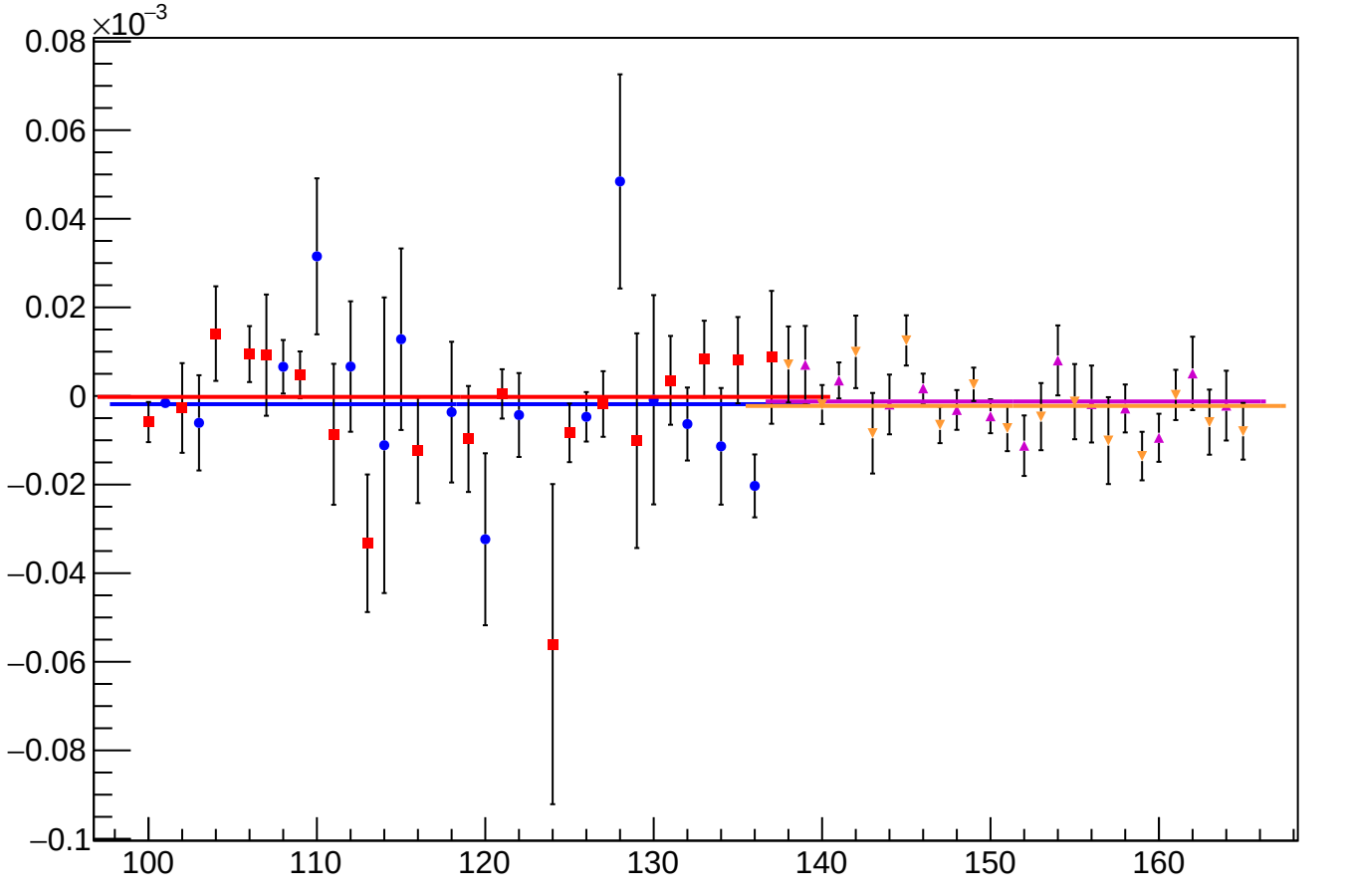
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.630+/-0.024 χ^2/NDF:243502.3/12

+ sign 112.251+/-0.019 χ^2/NDF: 748759.3/30

All: 111.339+/-0.013 χ^2/NDF: 1323925.7/62

- sign 110.434+/-0.019 χ^2/NDF: 570393.5/31



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

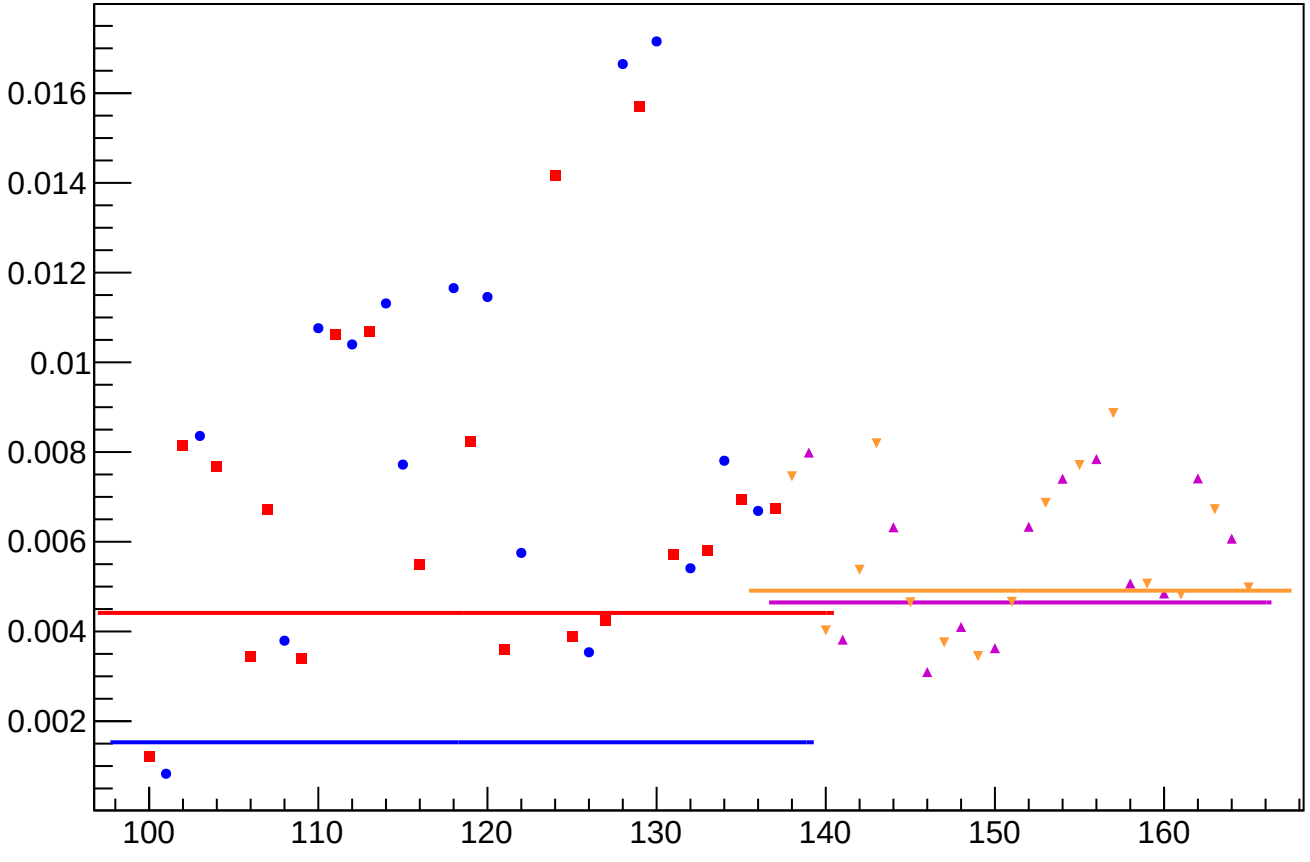
Left In: -0.000+/-0.000 χ^2/NDF:10.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/30

All: -0.000+/-0.000 χ^2/NDF: 73.2/62

- sign -0.000+/-0.000 χ^2/NDF: 30.6/31

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:1789127.0/14

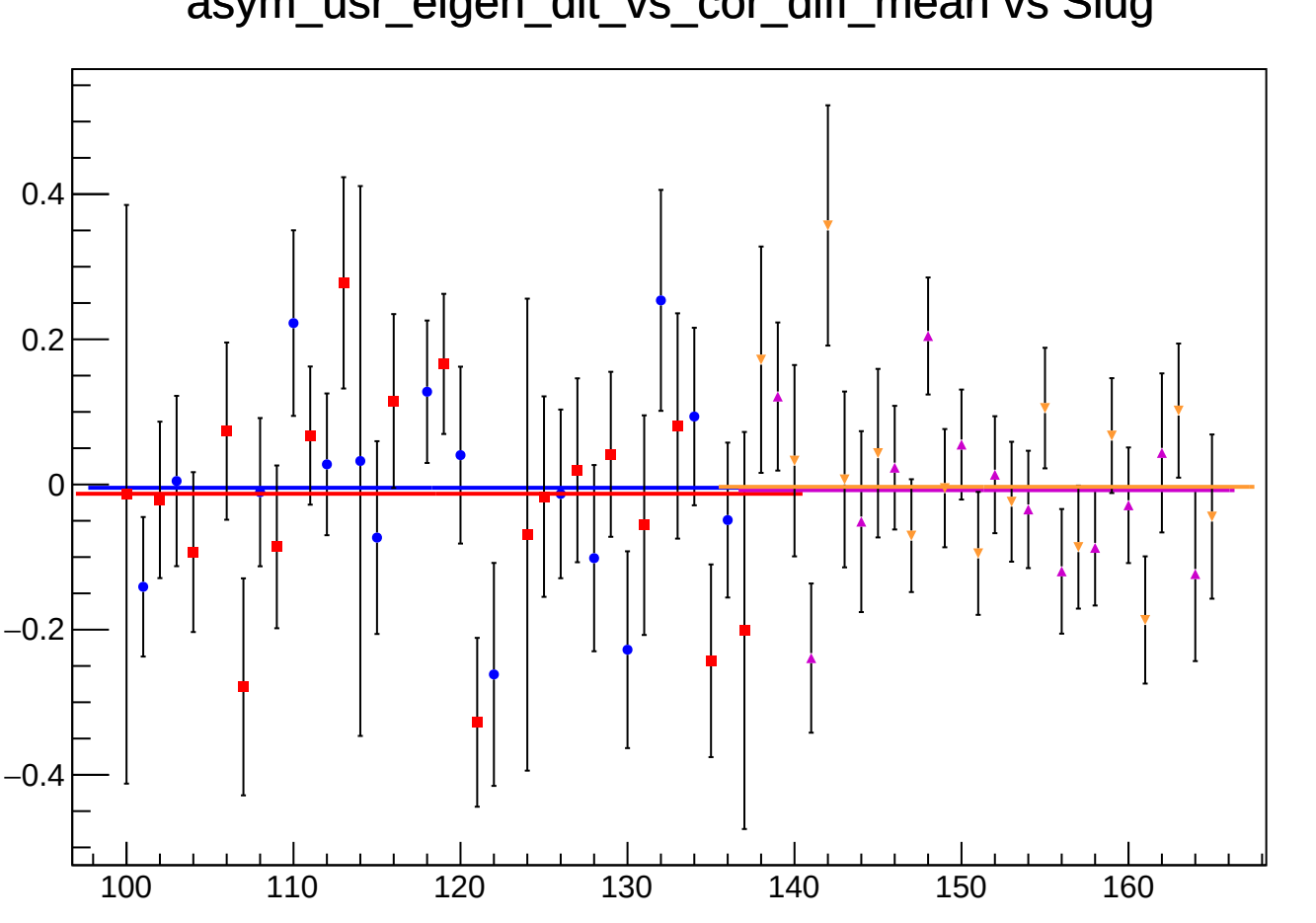
Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2047012.1/12

+ sign 0.003+/-0.000 χ^2/NDF: 18093936.5/30

All: 0.003+/-0.000 χ^2/NDF: 27602069.7/62

- sign 0.005+/-0.000 χ^2/NDF: 5453556.7/31



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

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

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

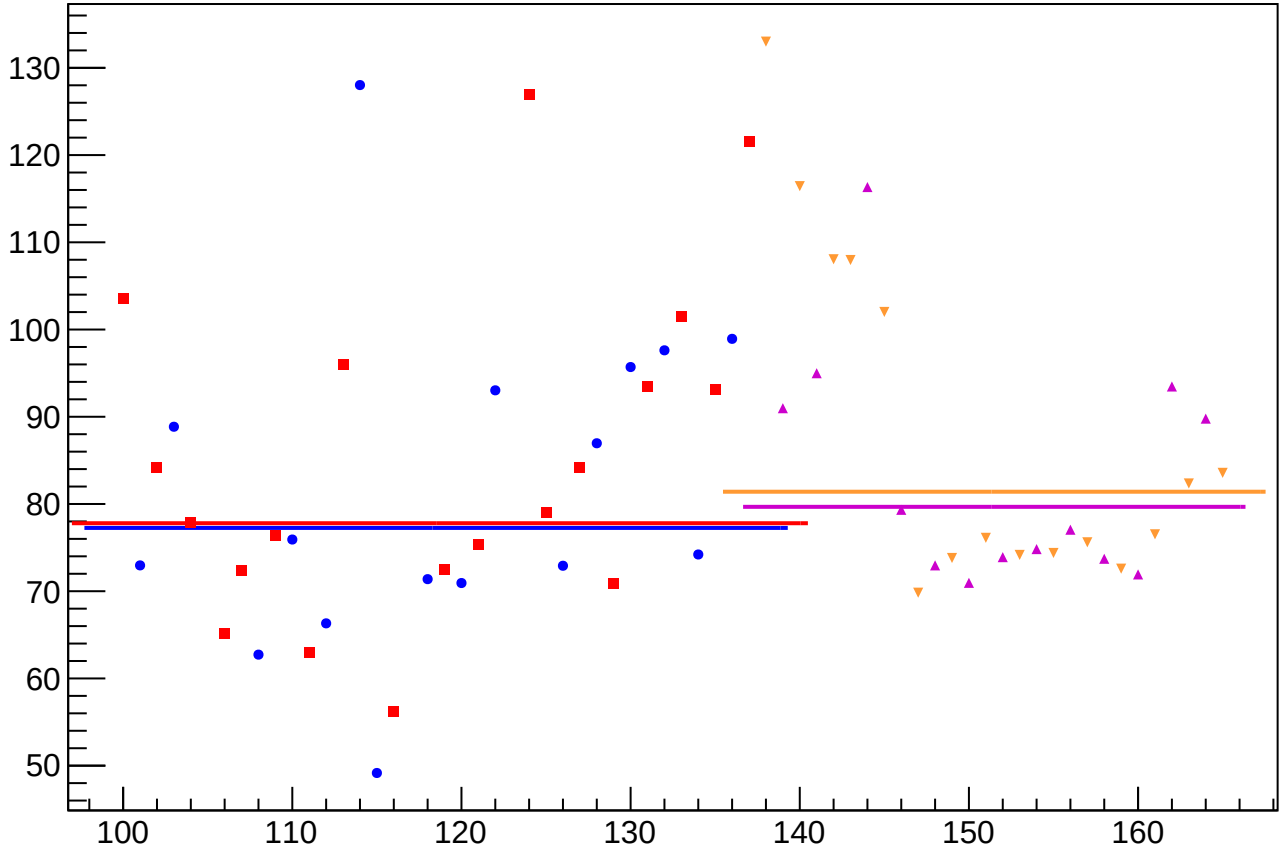
Left In: -0.008+/-0.025 χ^2/NDF:18.6/12

+ sign -0.004+/-0.019 χ^2/NDF: 34.8/30

All: -0.007+/-0.013 χ^2/NDF: 79.0/62

- sign -0.010+/-0.019 χ^2/NDF: 44.1/31

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 81.407+/-0.017 χ^2/NDF:712055.3/14

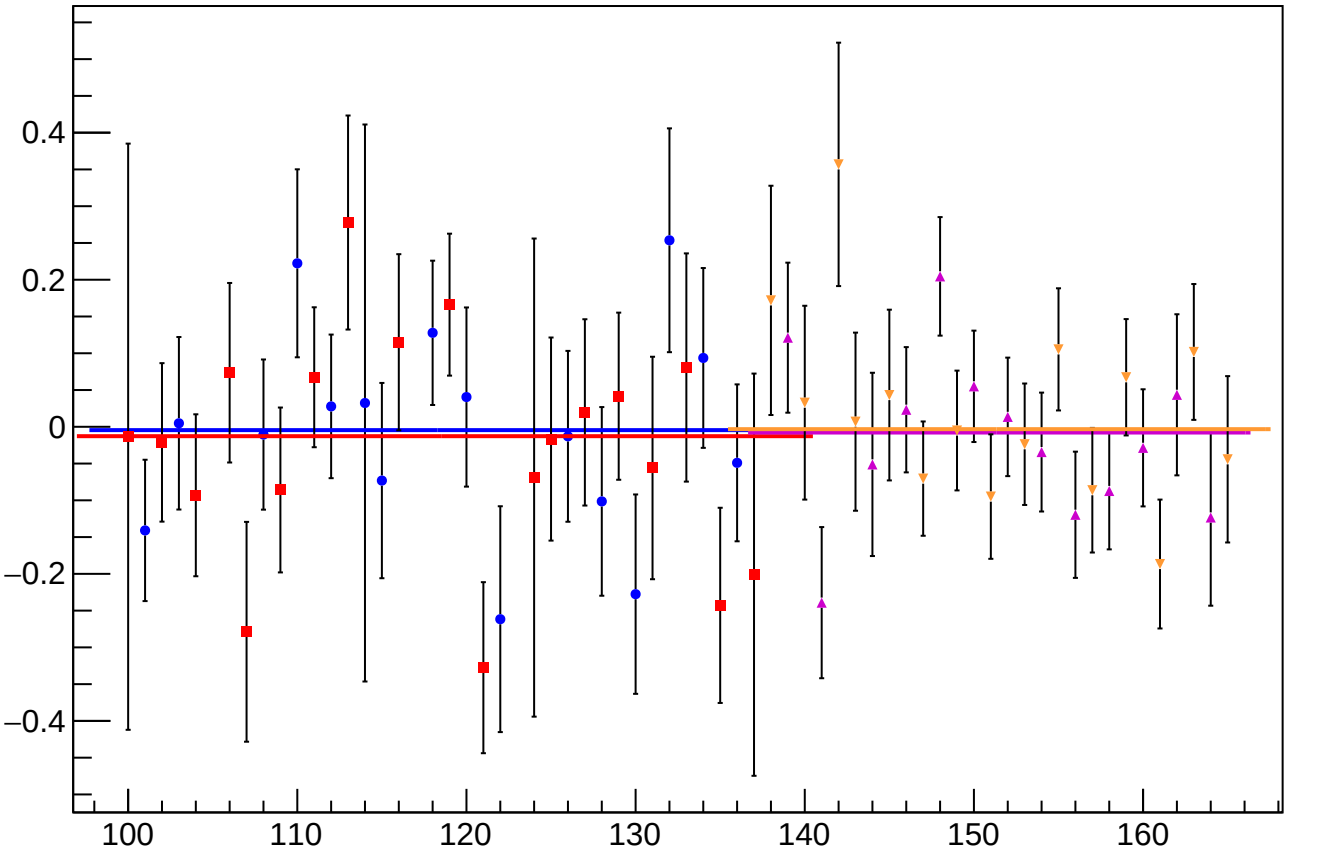
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.674+/-0.017 χ^2/NDF:377819.0/12

+ sign 79.740+/-0.013 χ^2/NDF: 1154155.1/30

All: 79.322+/-0.010 χ^2/NDF: 1935099.1/62

- sign 78.905+/-0.013 χ^2/NDF: 779017.2/31



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

Left Out: -0.003+/-0.025 χ^2/NDF:17.5/14

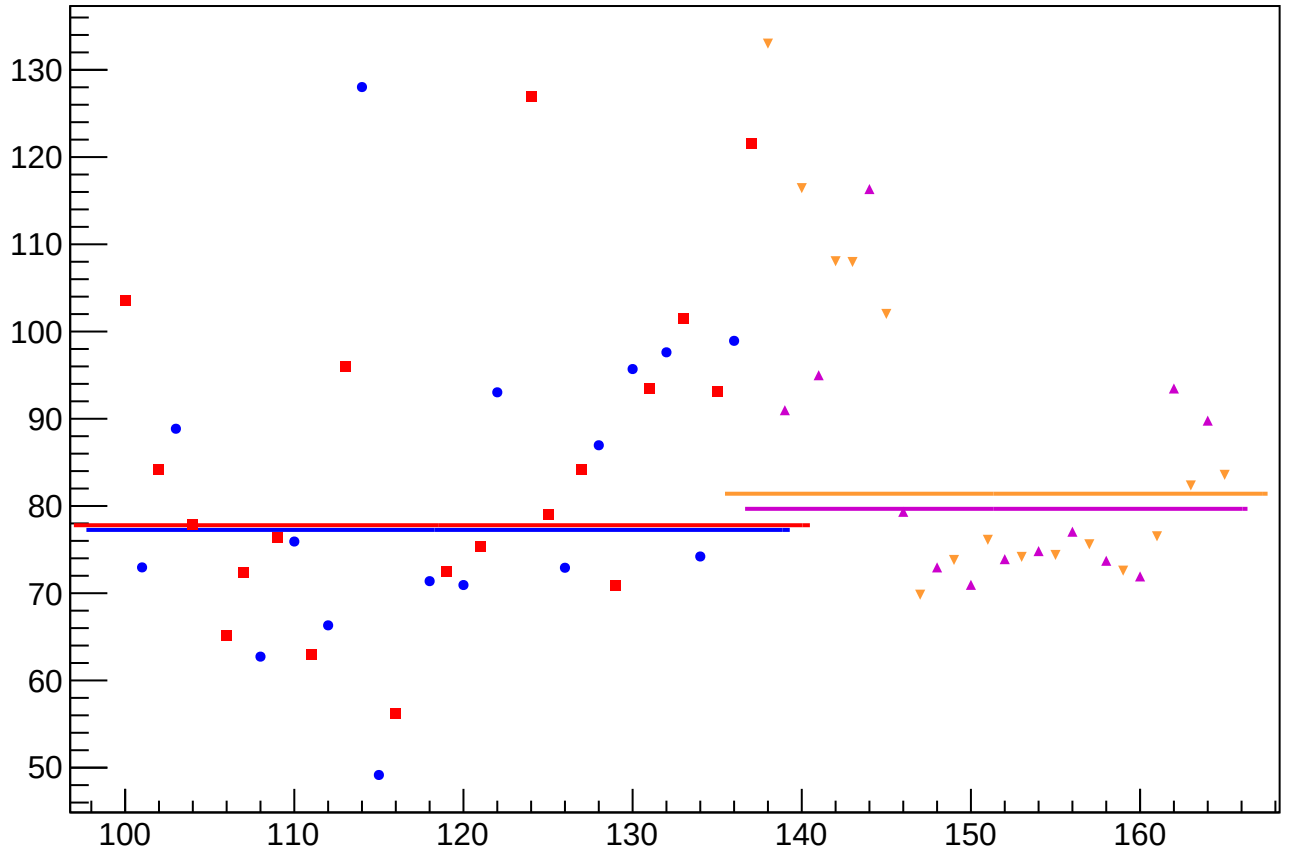
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.008+/-0.025 χ^2/NDF:18.6/12

+ sign -0.004+/-0.019 χ^2/NDF: 34.8/30

All: -0.007+/-0.013 χ^2/NDF: 79.0/62

- sign -0.010+/-0.019 χ^2/NDF: 44.1/31



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

Left Out: 81.407+/-0.017 χ^2/NDF:712055.3/14

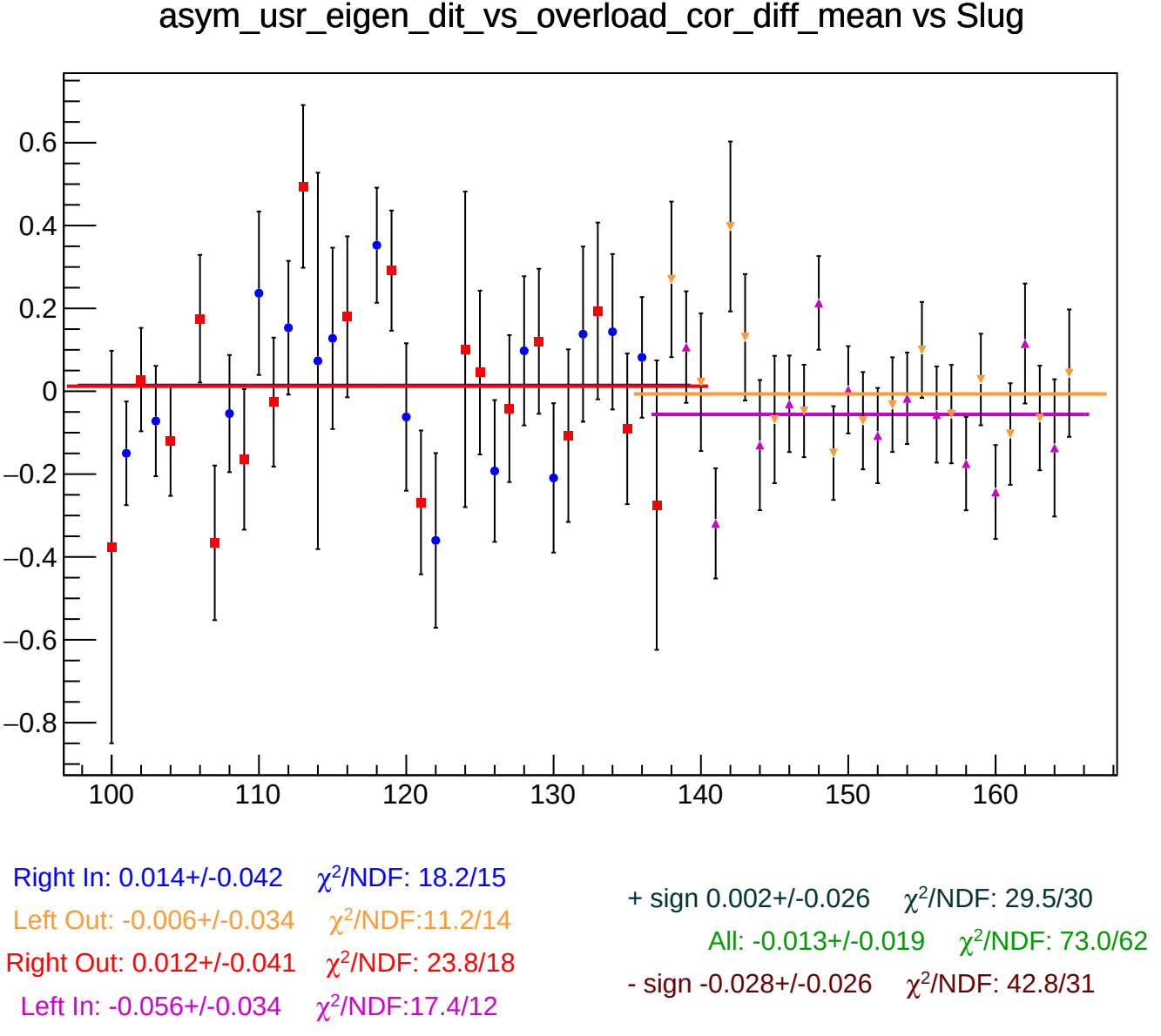
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

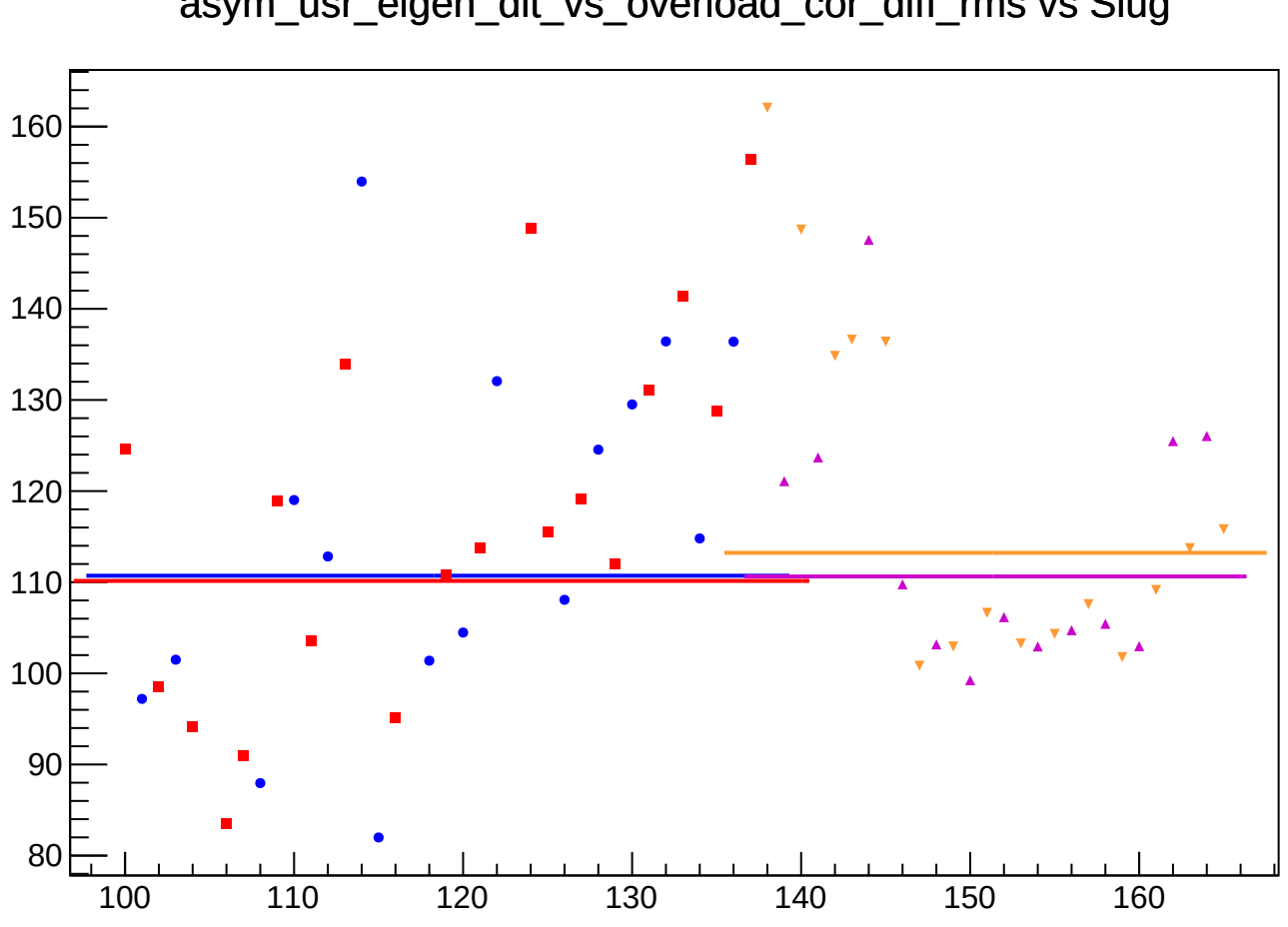
Left In: 79.674+/-0.017 χ^2/NDF:377819.0/12

+ sign 79.740+/-0.013 χ^2/NDF: 1154155.1/30

All: 79.322+/-0.010 χ^2/NDF: 1935099.1/62

- sign 78.905+/-0.013 χ^2/NDF: 779017.2/31


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.006+/-0.034 χ²/NDF:11.2/14
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.056+/-0.034 χ²/NDF:17.4/12
+ sign 0.002+/-0.026 χ²/NDF: 29.5/30
All: -0.013+/-0.019 χ²/NDF: 73.0/62
- sign -0.028+/-0.026 χ²/NDF: 42.8/31



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

Left Out: 113.228+/-0.024 χ^2/NDF:444461.2/14

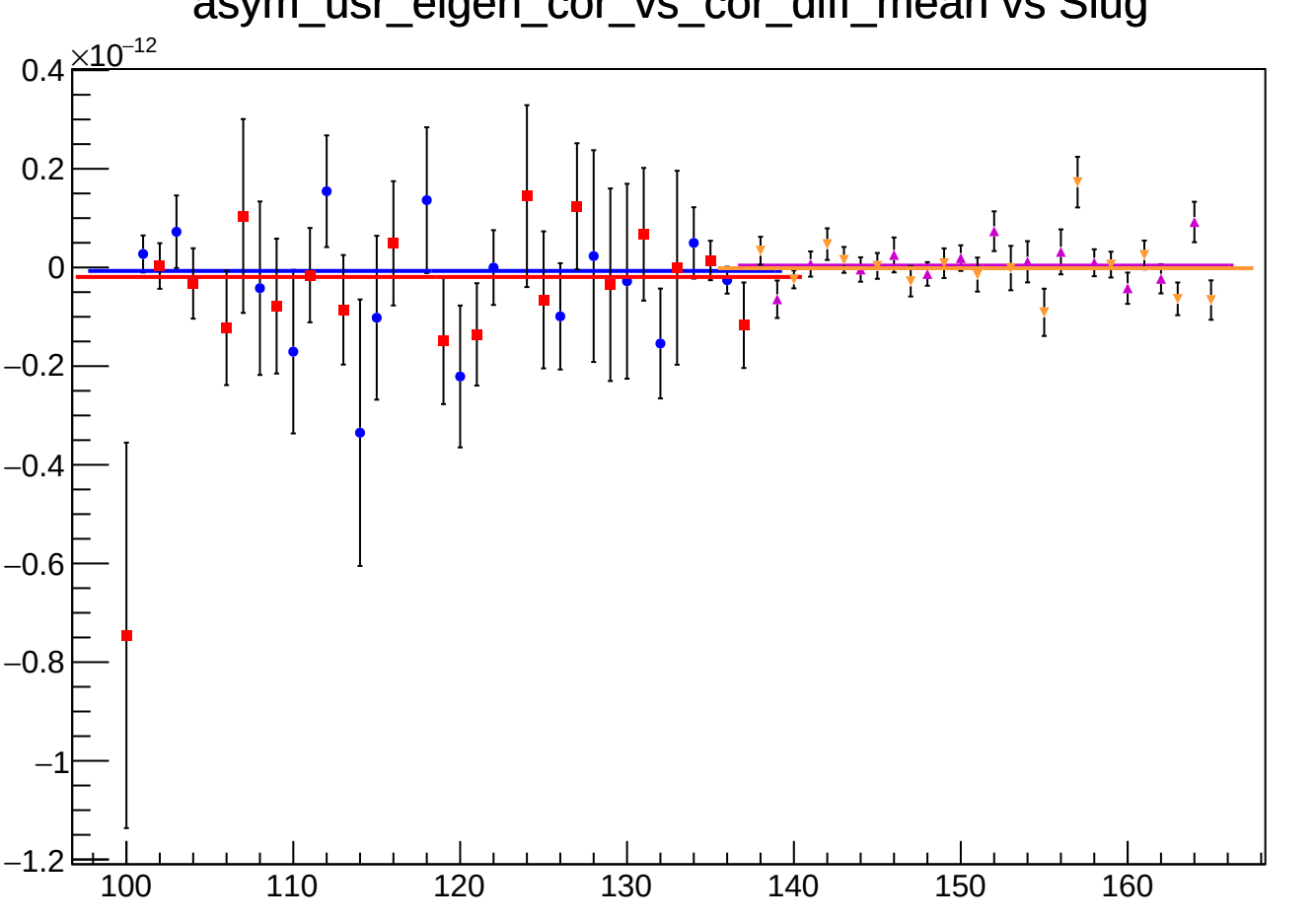
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.630+/-0.024 χ^2/NDF:243505.4/12

+ sign 112.251+/-0.019 χ^2/NDF: 748736.8/30

All: 111.339+/-0.013 χ^2/NDF: 1323877.4/62

- sign 110.434+/-0.019 χ^2/NDF: 570367.4/31



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

Left Out: -0.000+/-0.000 χ^2/NDF:29.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

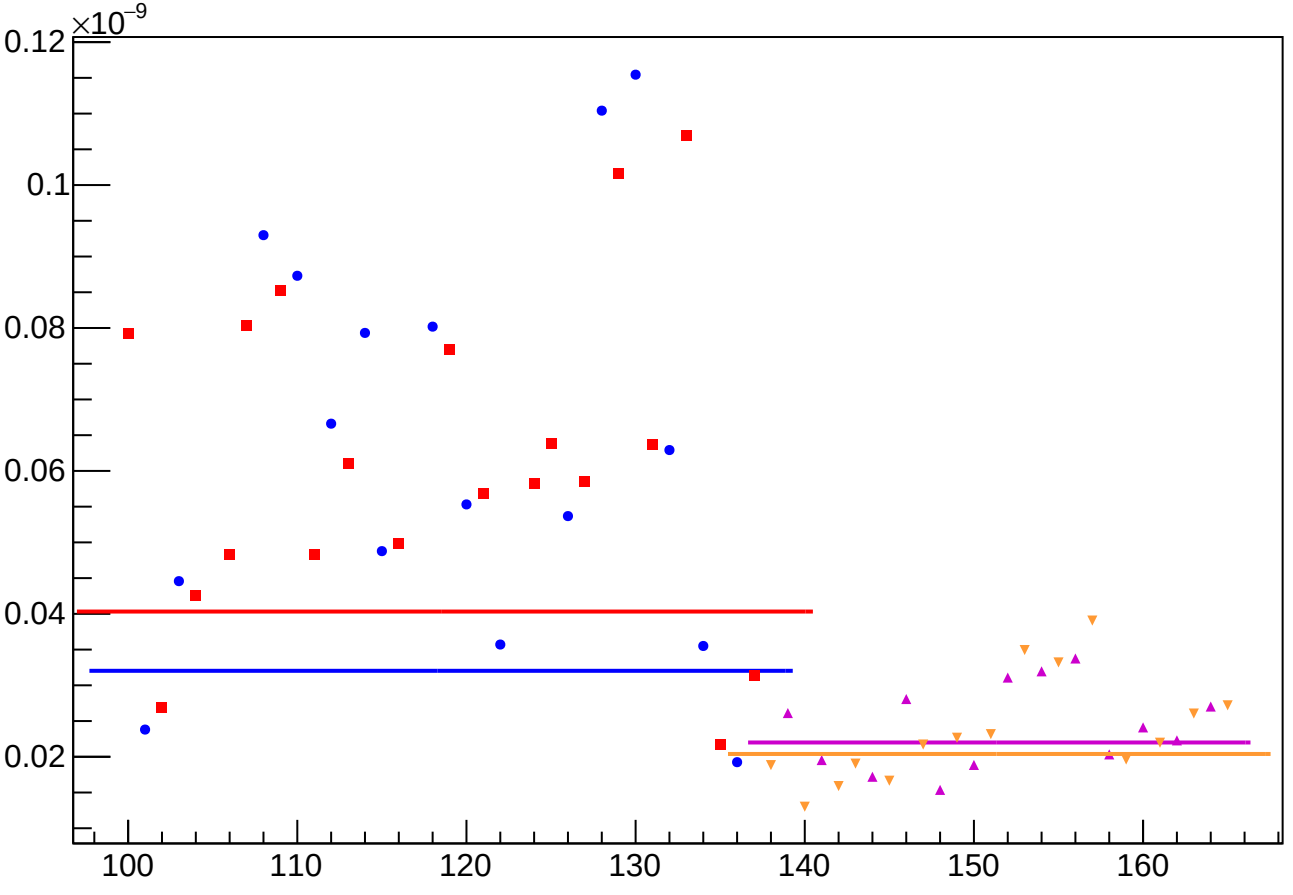
Left In: 0.000+/-0.000 χ^2/NDF:15.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 42.7/30

All: -0.000+/-0.000 χ^2/NDF: 71.9/62

- sign 0.000+/-0.000 χ^2/NDF: 29.2/31

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:1191047.7/14

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

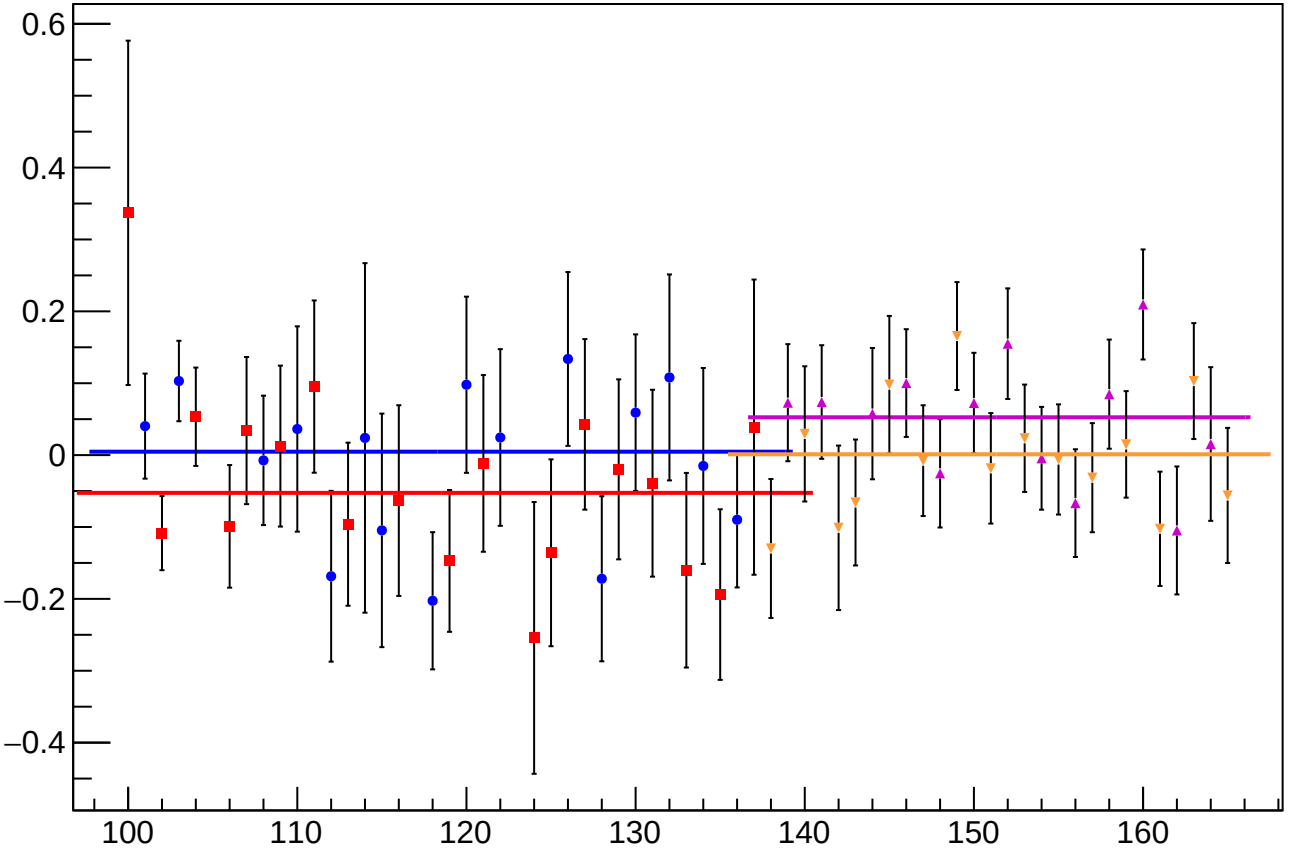
Left In: 0.000+/-0.000 χ^2/NDF:754160.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 4360958.0/30

All: 0.000+/-0.000 χ^2/NDF: 8372267.5/62

- sign 0.000+/-0.000 χ^2/NDF: 3913153.3/31

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.001+/-0.021 χ^2/NDF:13.2/14

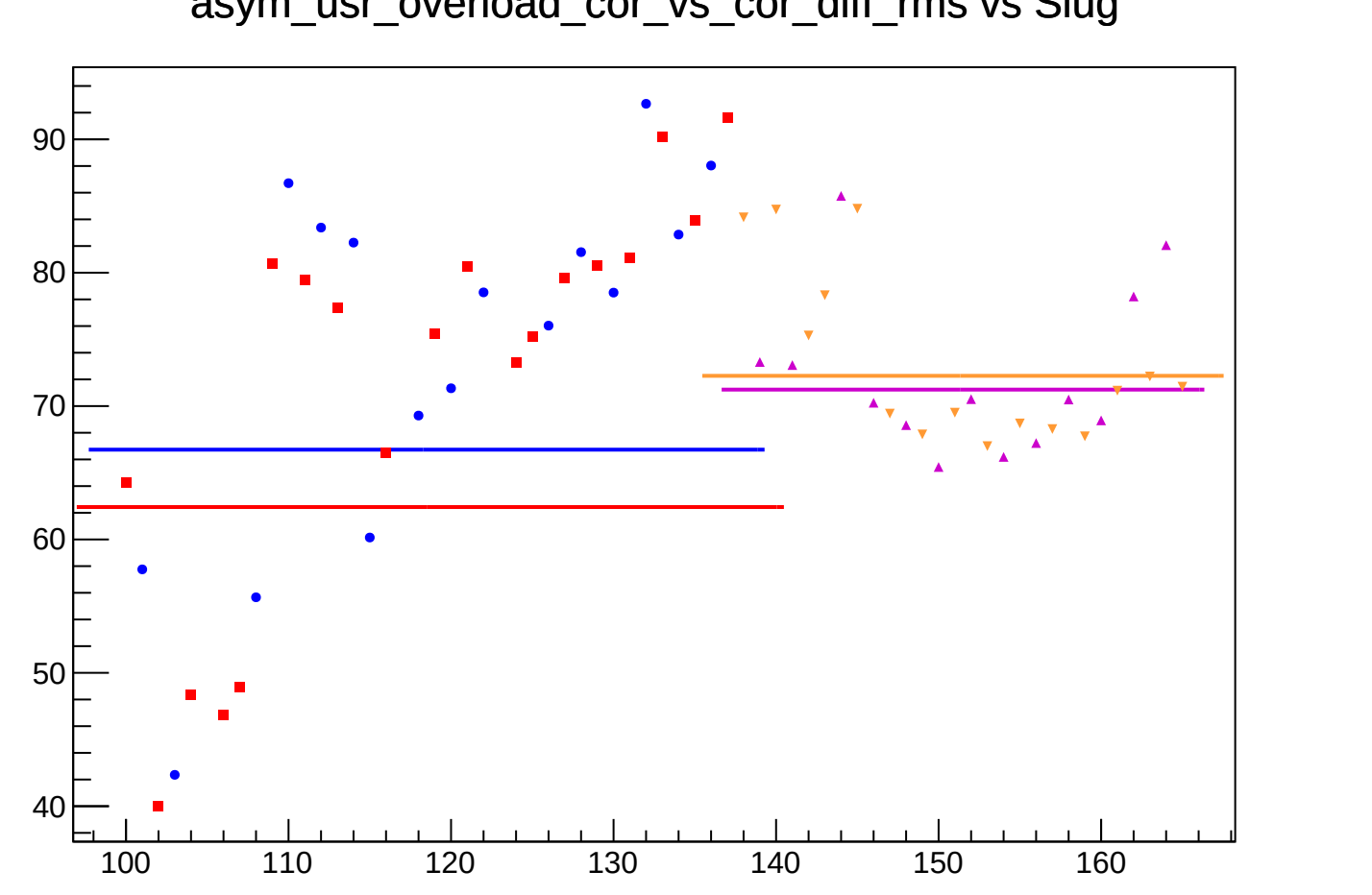
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.053+/-0.022 χ^2/NDF:14.3/12

+ sign 0.003+/-0.017 χ^2/NDF: 29.8/30

All: 0.004+/-0.012 χ^2/NDF: 69.4/62

- sign 0.005+/-0.016 χ^2/NDF: 39.5/31



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.268+/-0.015 χ^2/NDF:150654.7/14

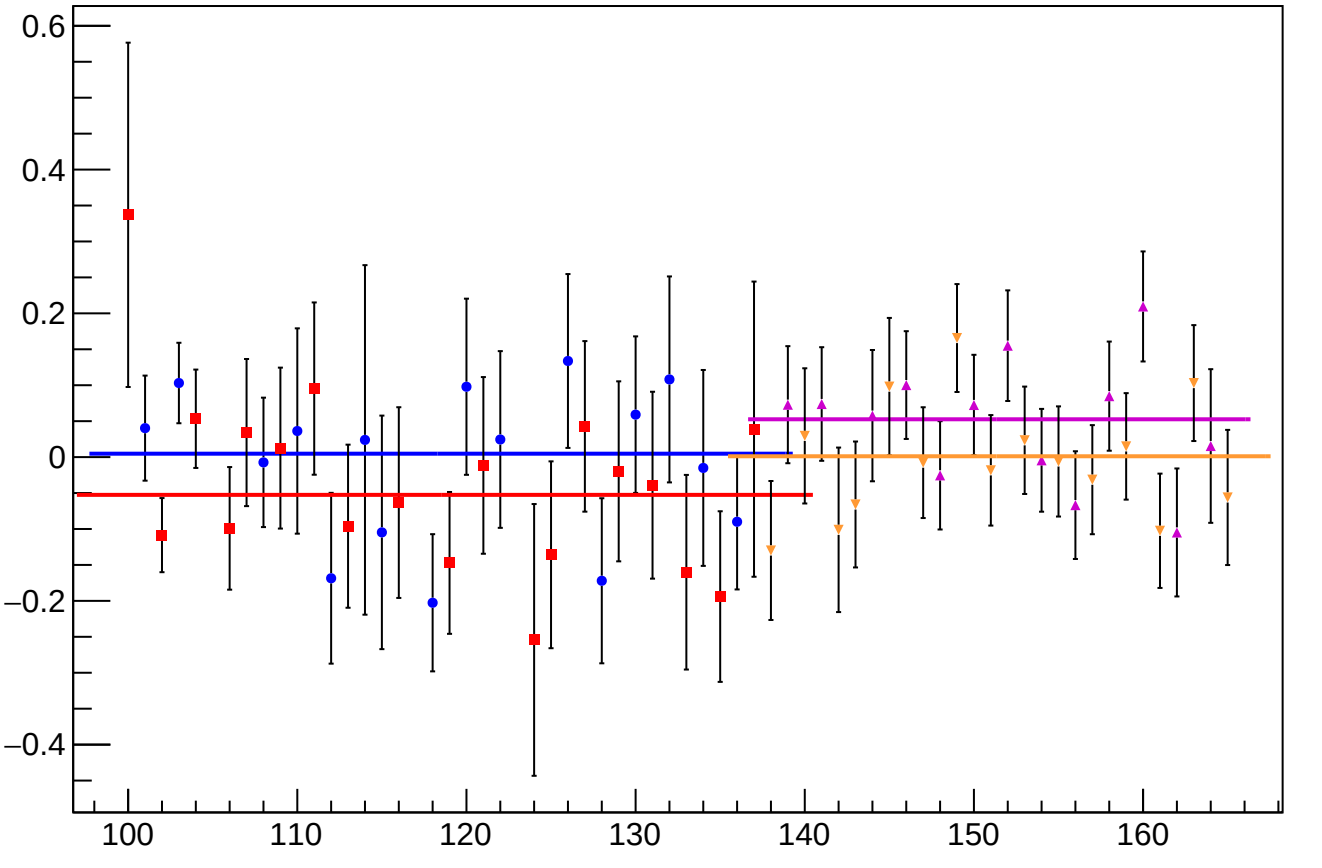
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.235+/-0.015 χ^2/NDF:120294.5/12

+ sign 70.021+/-0.012 χ^2/NDF: 1021686.3/30

All: 68.612+/-0.008 χ^2/NDF: 2431175.1/62

- sign 67.256+/-0.011 χ^2/NDF: 1380881.8/31



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

Left Out: 0.001+/-0.021 χ^2/NDF:13.2/14

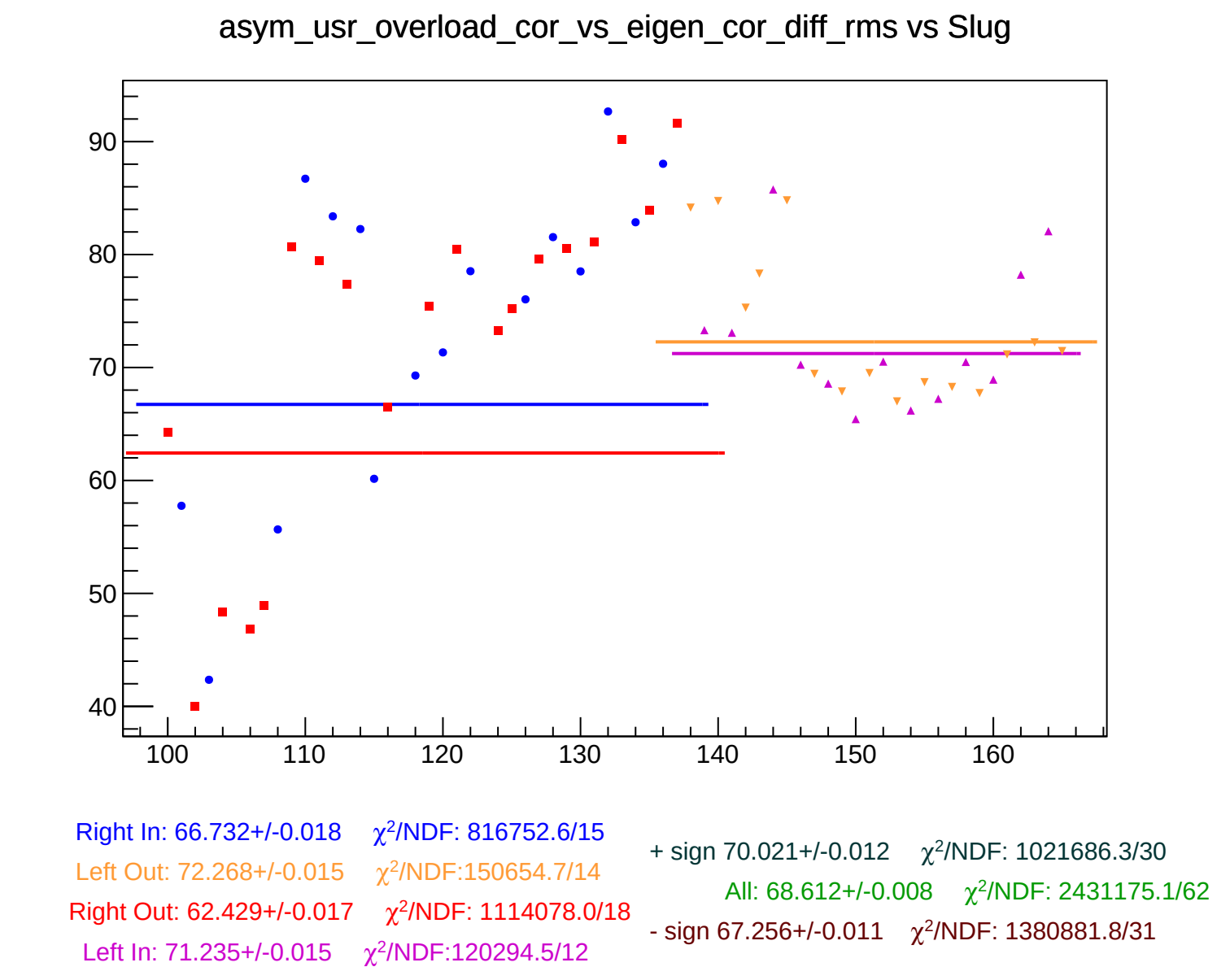
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.053+/-0.022 χ^2/NDF:14.3/12

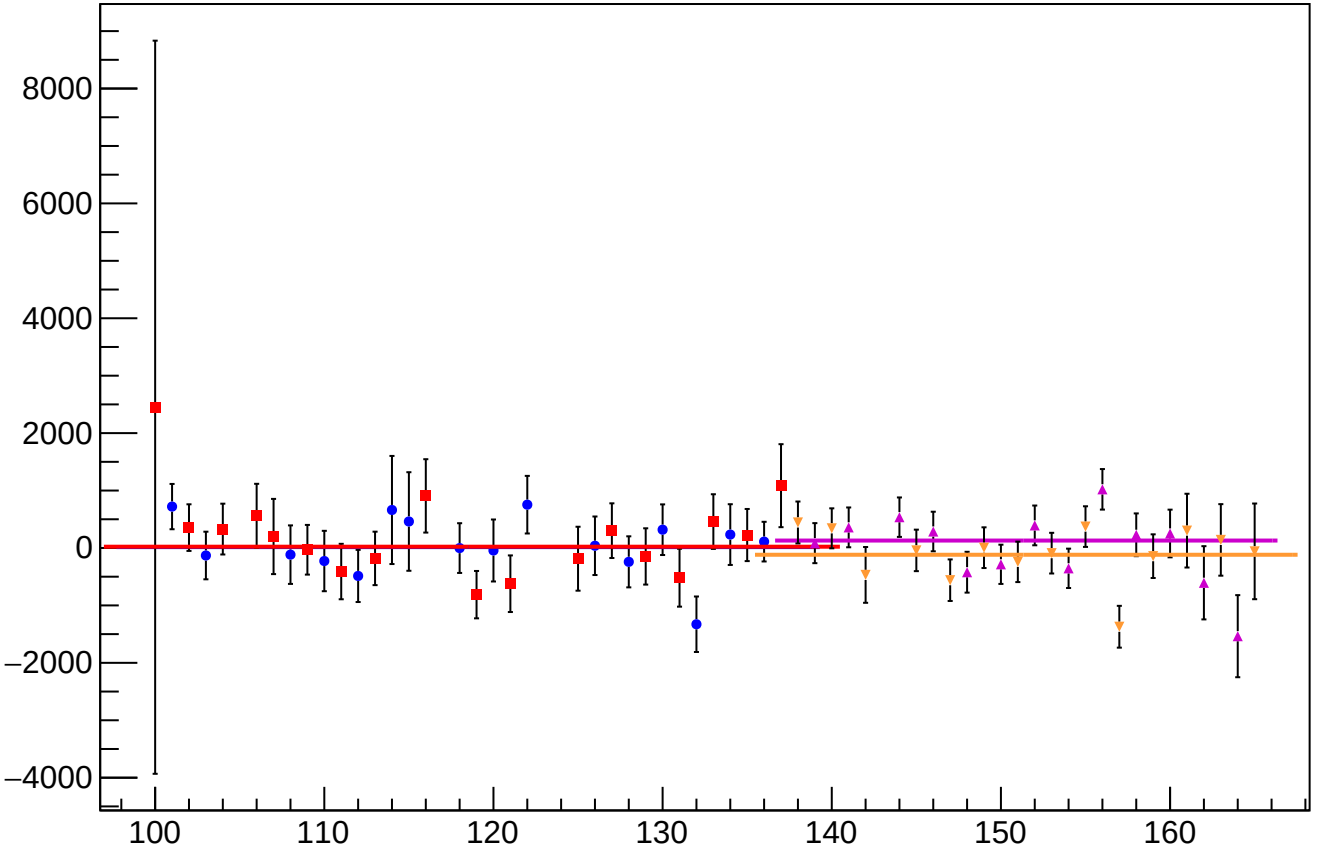
+ sign 0.003+/-0.017 χ^2/NDF: 29.8/30

All: 0.004+/-0.012 χ^2/NDF: 69.4/62

- sign 0.005+/-0.016 χ^2/NDF: 39.5/31


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.268+/-0.015 χ²/NDF:150654.7/14
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.235+/-0.015 χ²/NDF:120294.5/12
+ sign 70.021+/-0.012 χ²/NDF: 1021686.3/30
All: 68.612+/-0.008 χ²/NDF: 2431175.1/62
- sign 67.256+/-0.011 χ²/NDF: 1380881.8/31

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -118.053+/-106.479 χ^2/NDF:20.8/13

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

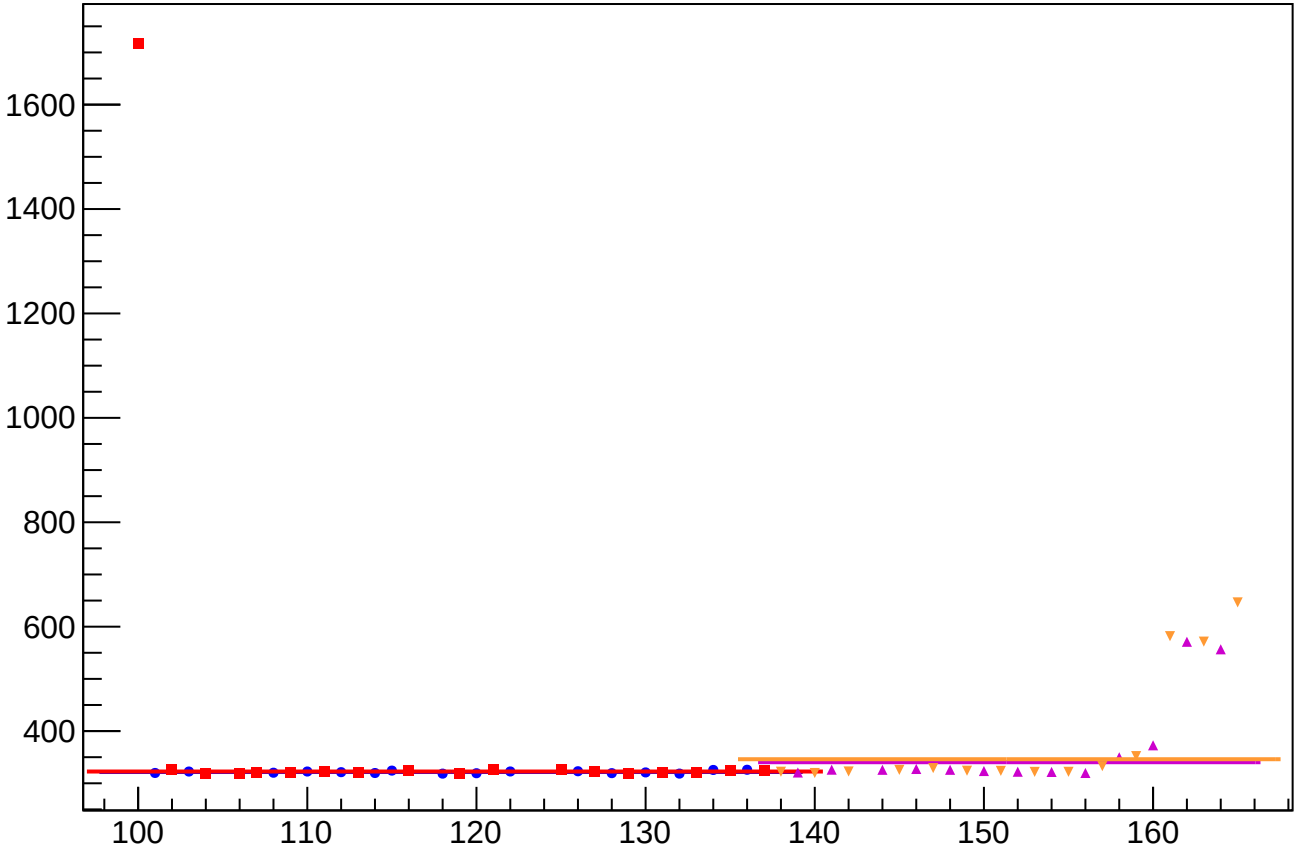
Left In: 129.396+/-104.107 χ^2/NDF:21.8/12

\+ sign -58.901+/-79.478 χ^2/NDF: 38.1/29

All: 13.001+/-55.820 χ^2/NDF: 78.0/60

\- sign 82.992+/-78.414 χ^2/NDF: 38.3/30

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 346.112+/-0.075 χ^2/NDF:864254.7/13

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

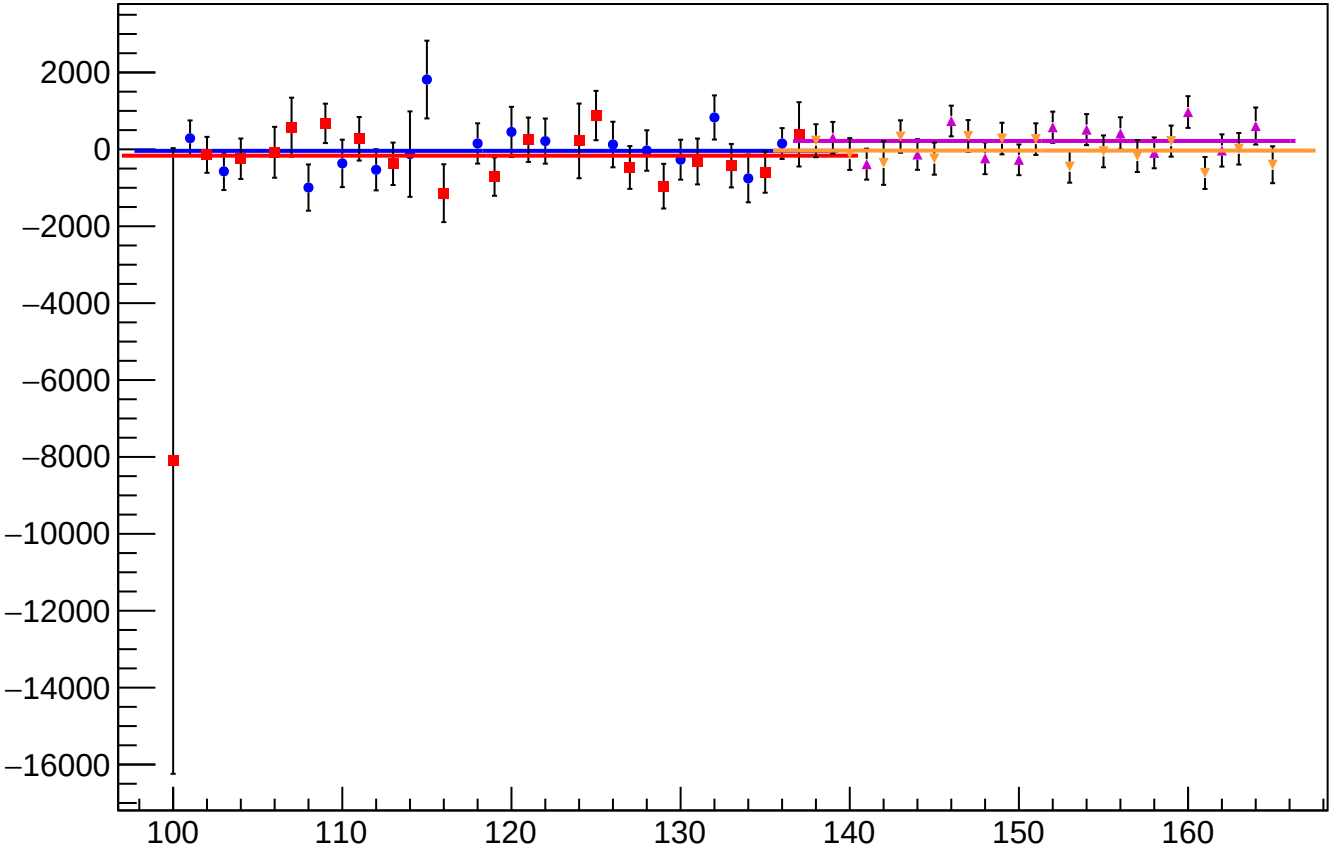
Left In: 340.383+/-0.074 χ^2/NDF:501166.5/12

+ sign 335.259+/-0.056 χ^2/NDF: 912001.4/29

All: 333.946+/-0.039 χ^2/NDF: 1536518.3/60

- sign 332.668+/-0.055 χ^2/NDF: 623440.3/30

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -32.278+/-109.804 χ^2/NDF:7.7/14

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

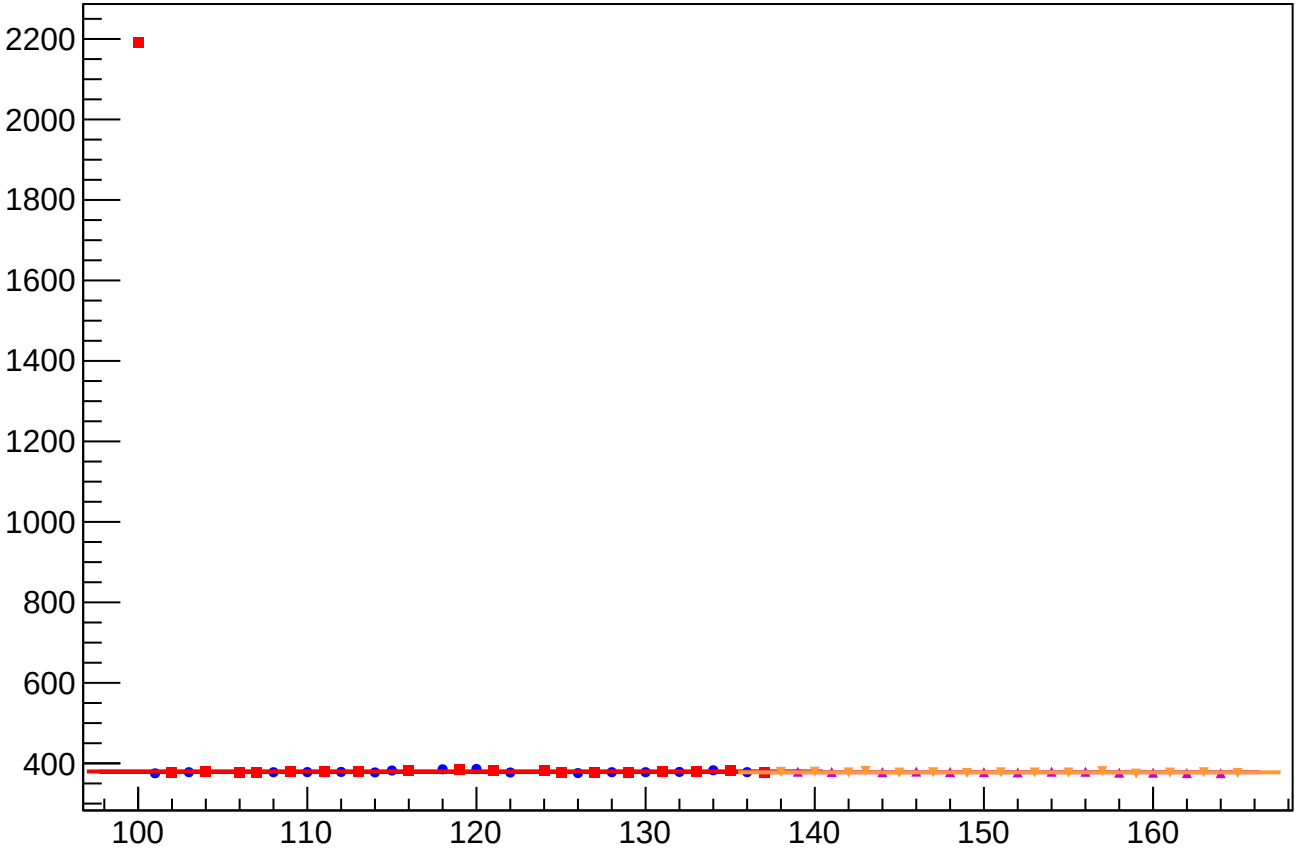
Left In: 217.520+/-114.143 χ^2/NDF:13.9/12

+ sign -34.789+/-86.568 χ^2/NDF: 21.5/30

All: 13.464+/-61.783 χ^2/NDF: 55.6/62

- sign 63.557+/-88.203 χ^2/NDF: 33.5/31

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.645+/-0.078 χ^2/NDF:484.7/14

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

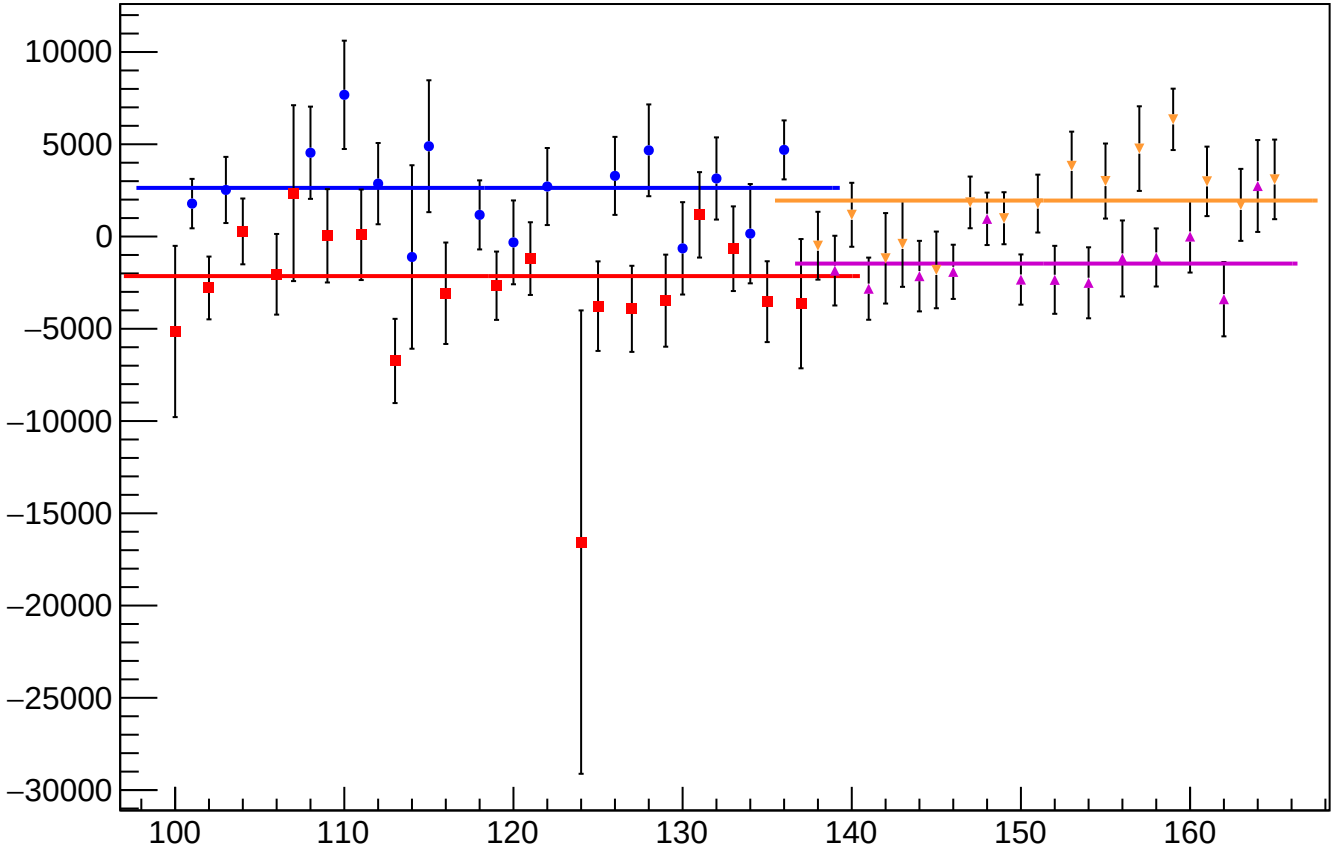
Left In: 378.056+/-0.081 χ^2/NDF:234.8/12

+ sign 378.123+/-0.061 χ^2/NDF: 1436.4/30

All: 378.450+/-0.044 χ^2/NDF: 101556.1/62

- sign 378.790+/-0.062 χ^2/NDF: 100061.6/31

asym_us_agg_avg_mean vs Slug



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

Left Out: 1949.195+/-472.755 χ^2/NDF:18.8/14

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

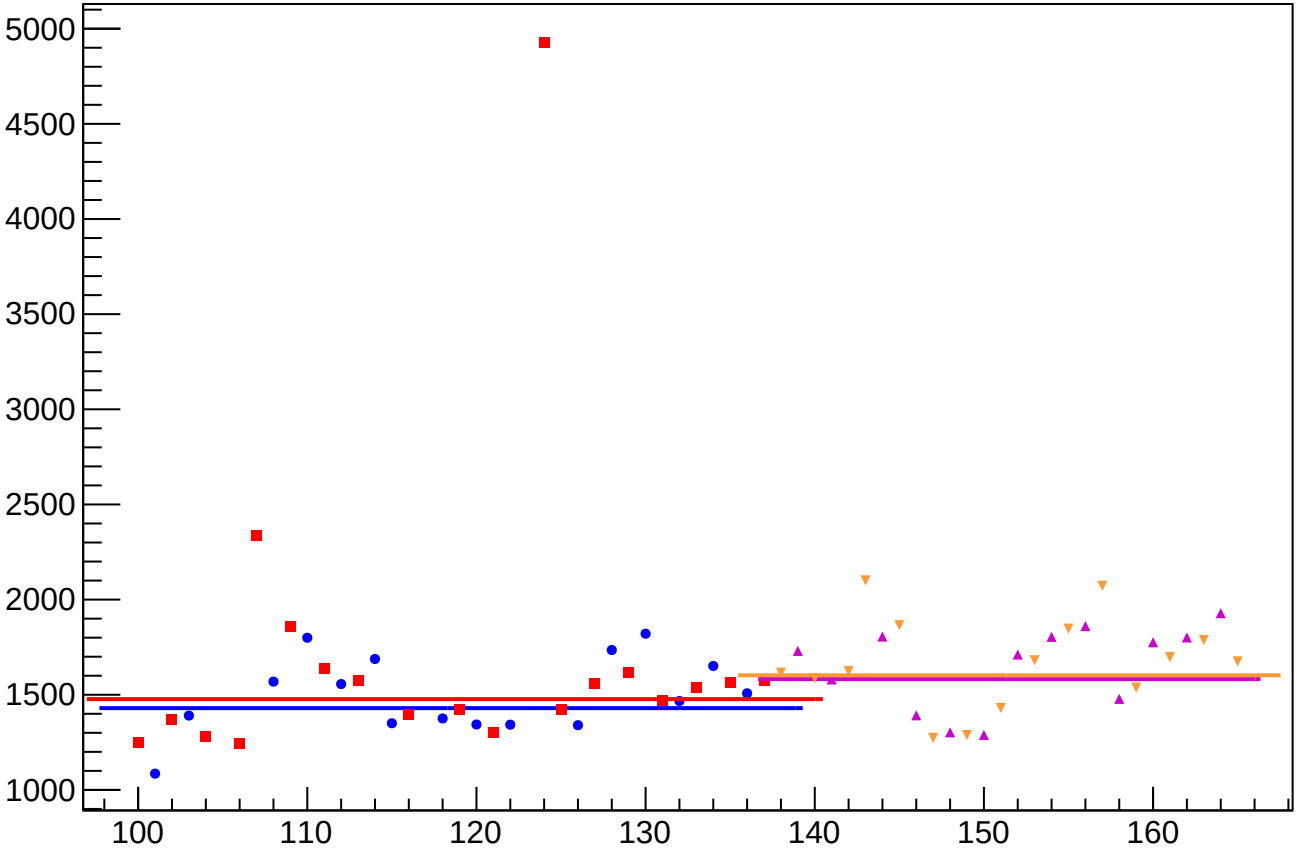
Left In: -1466.491+/-483.488 χ^2/NDF:9.1/12

+ sign 2248.163+/-355.138 χ^2/NDF: 32.0/30

All: 281.898+/-253.598 χ^2/NDF: 119.6/62

- sign -1763.918+/-362.250 χ^2/NDF: 25.1/31

asym_us_agg_avg_rms vs Slug



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

Left Out: 1602.310+/-0.334 χ^2/NDF:502933.0/14

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

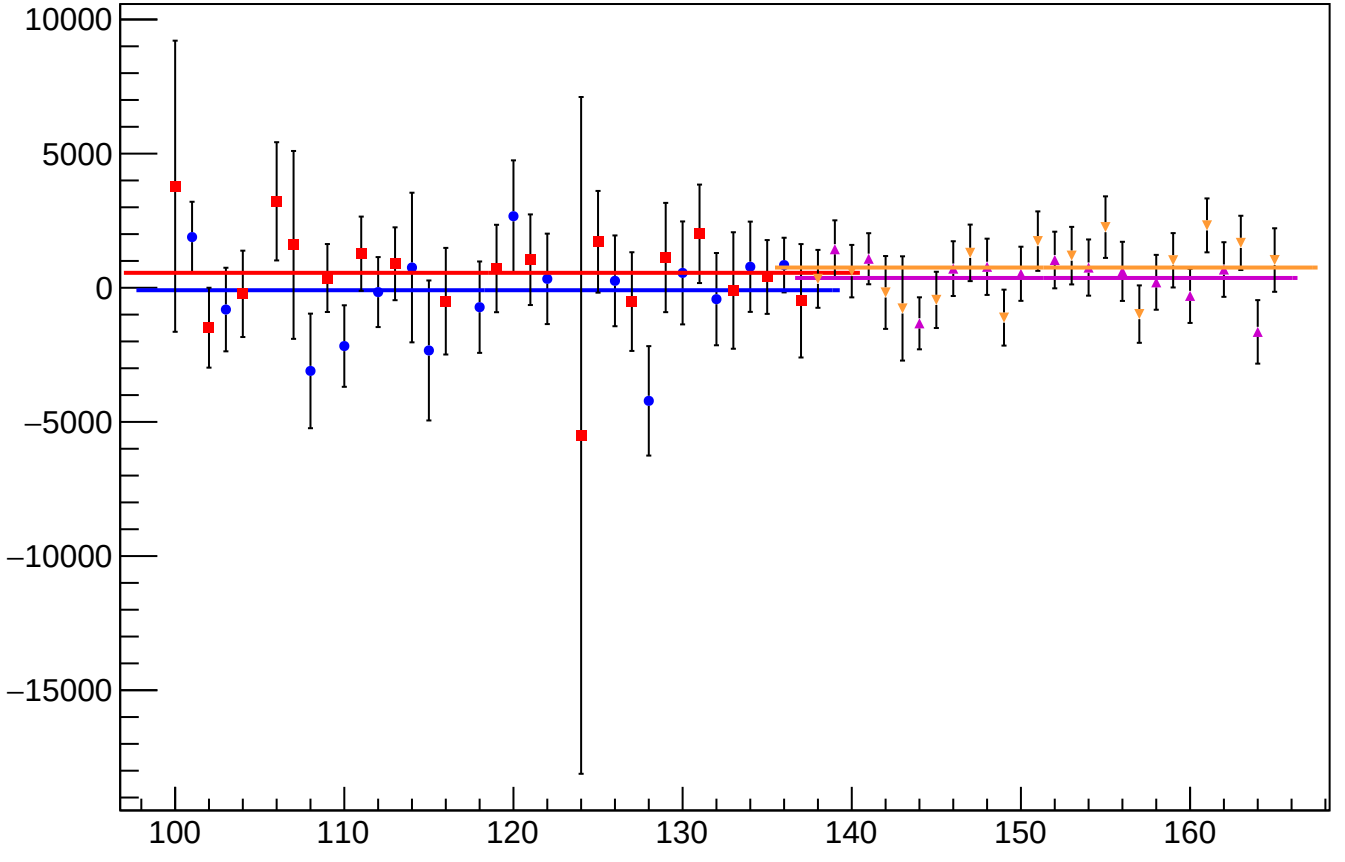
Left In: 1582.211+/-0.342 χ^2/NDF:407300.3/12

+ sign 1527.086+/-0.251 χ^2/NDF: 912546.0/30

All: 1531.512+/-0.179 χ^2/NDF: 1731352.8/62

- sign 1536.117+/-0.256 χ^2/NDF: 818173.0/31

asym_us_agg_dd_mean vs Slug



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

Left Out: 754.100+/-283.814 χ^2/NDF:14.8/14

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

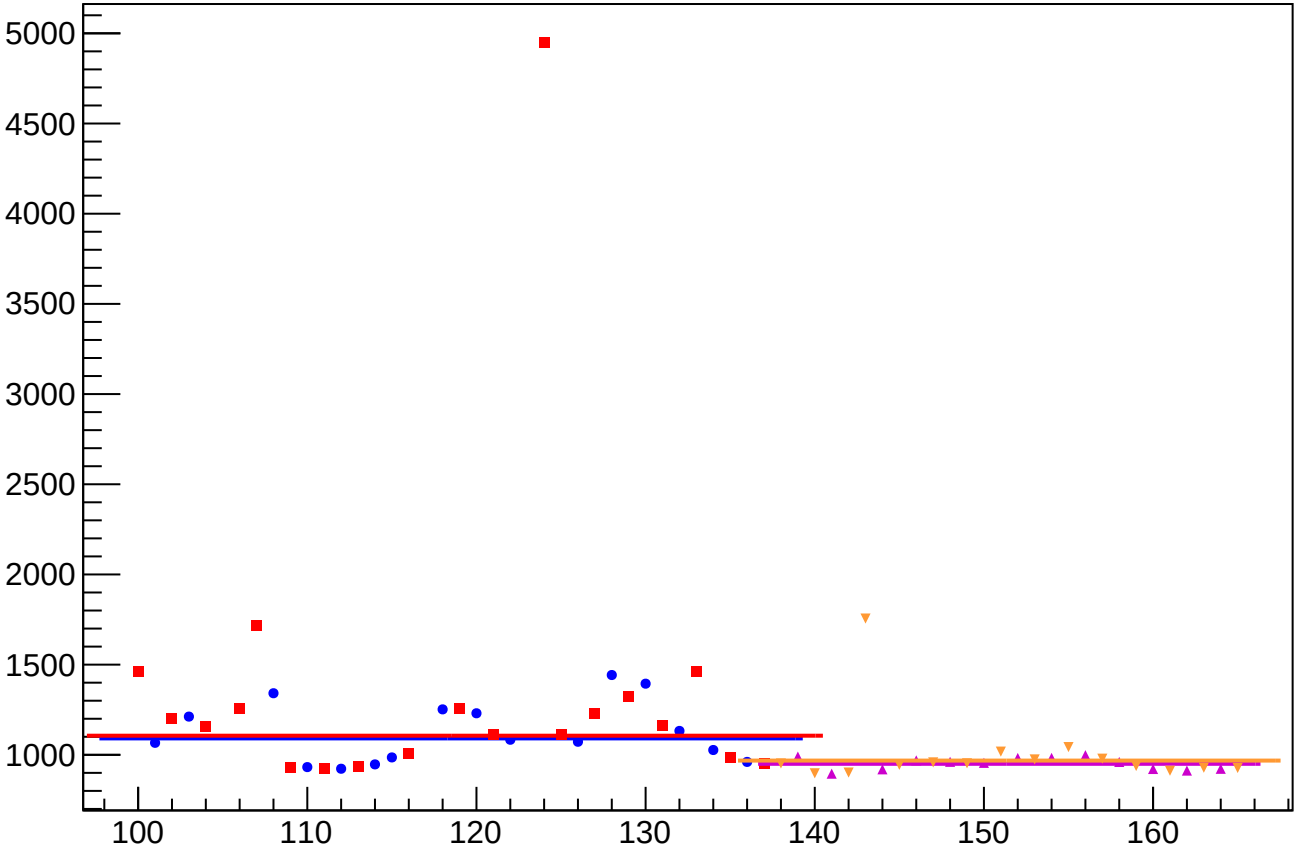
Left In: 365.405+/-287.103 χ^2/NDF:8.9/12

+ sign 480.192+/-233.350 χ^2/NDF: 32.2/30

All: 454.384+/-165.734 χ^2/NDF: 48.0/62

- sign 428.113+/-235.429 χ^2/NDF: 15.8/31

asym_us_agg_dd_rms vs Slug



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

Left Out: 968.095+/-0.201 χ^2/NDF:371933.9/14

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

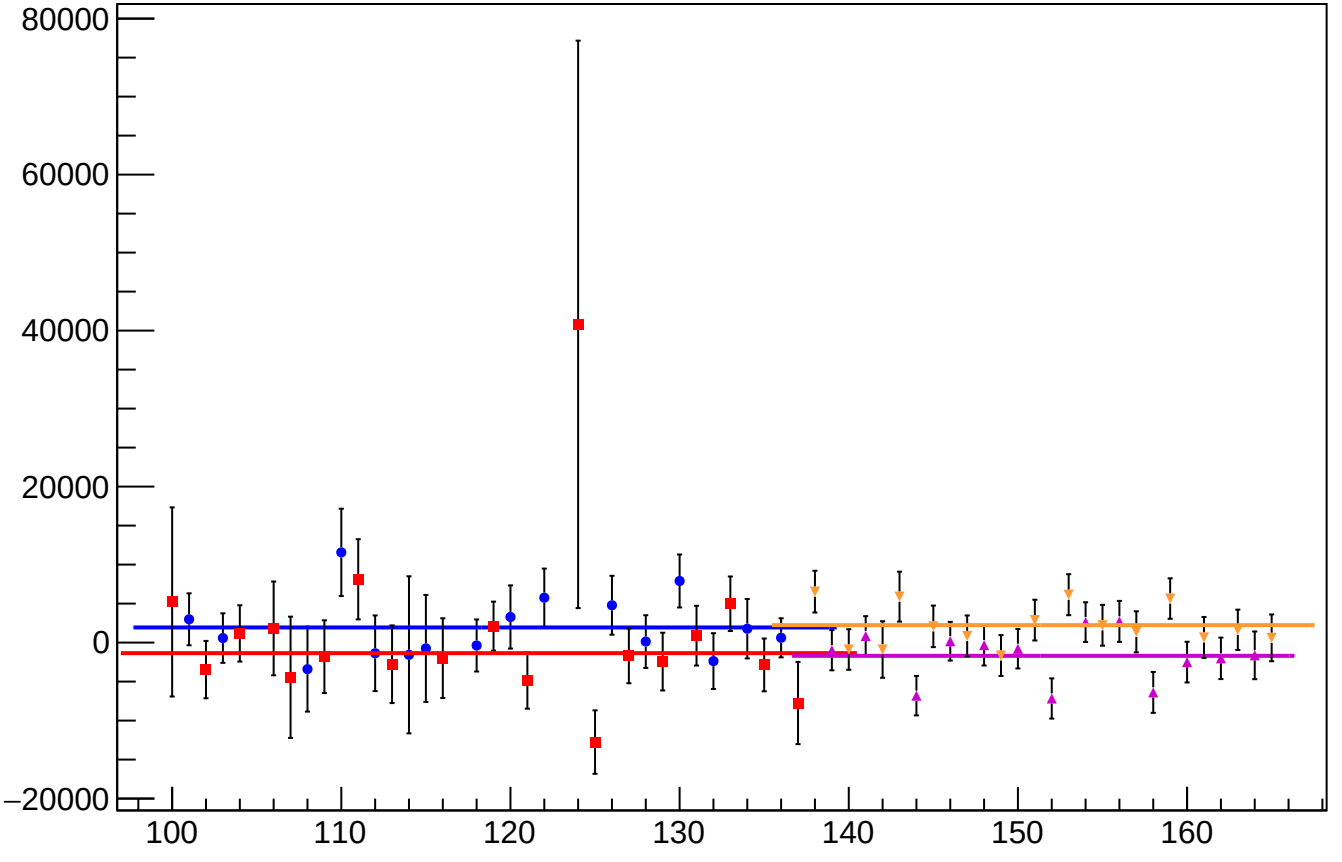
Left In: 950.190+/-0.203 χ^2/NDF:25631.6/12

+ sign 1007.929+/-0.165 χ^2/NDF: 770838.7/30

All: 1004.616+/-0.117 χ^2/NDF: 1504448.9/62

- sign 1001.244+/-0.166 χ^2/NDF: 732796.8/31

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2238.538+/-702.033 χ^2/NDF:13.4/14

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

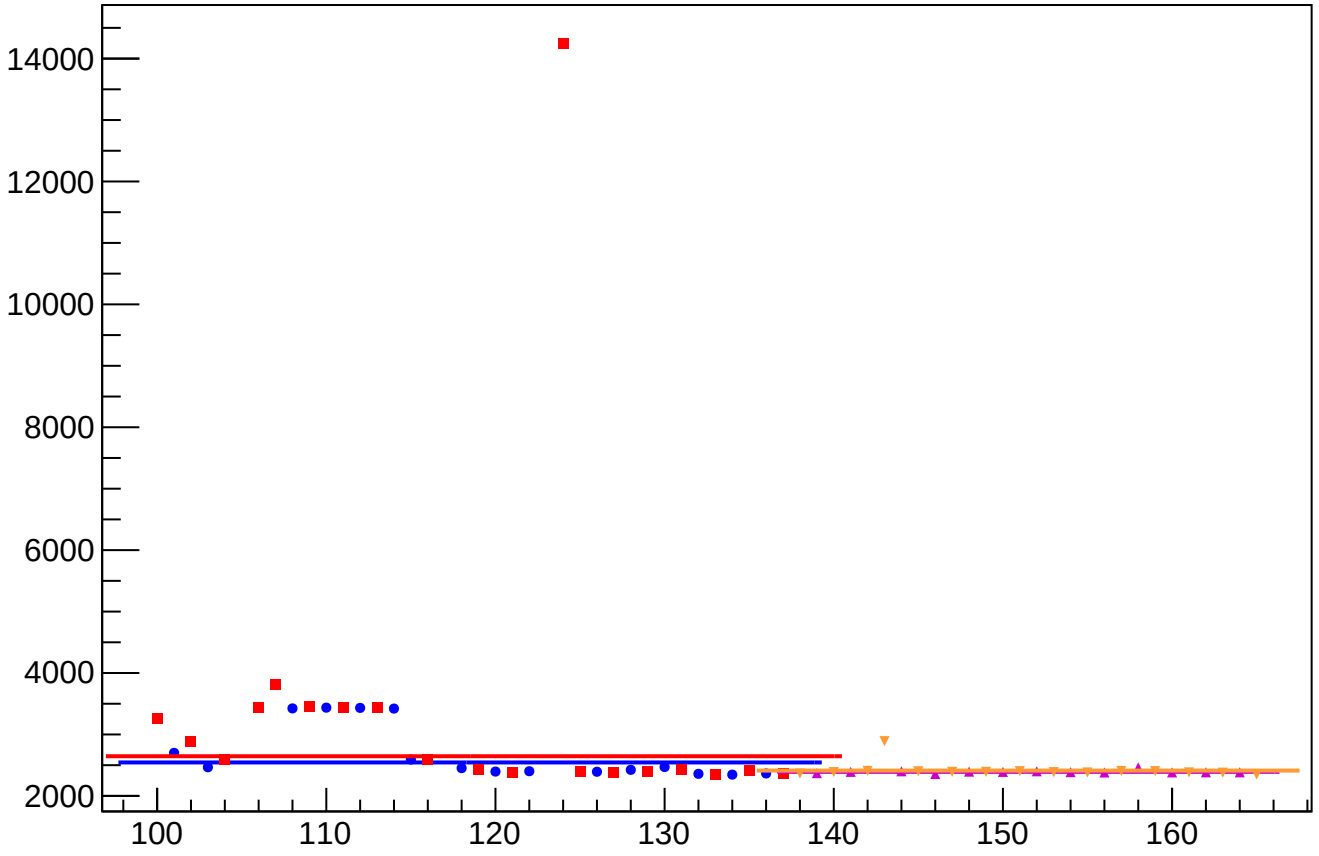
Left In: -1698.684+/-722.032 χ^2/NDF:19.6/12

+ sign 2133.334+/-565.130 χ^2/NDF: 25.7/30

All: 333.369+/-405.562 χ^2/NDF: 88.1/62

- sign -1578.028+/-582.360 χ^2/NDF: 41.5/31

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2412.098+/-0.496 χ^2/NDF:47847.5/14

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

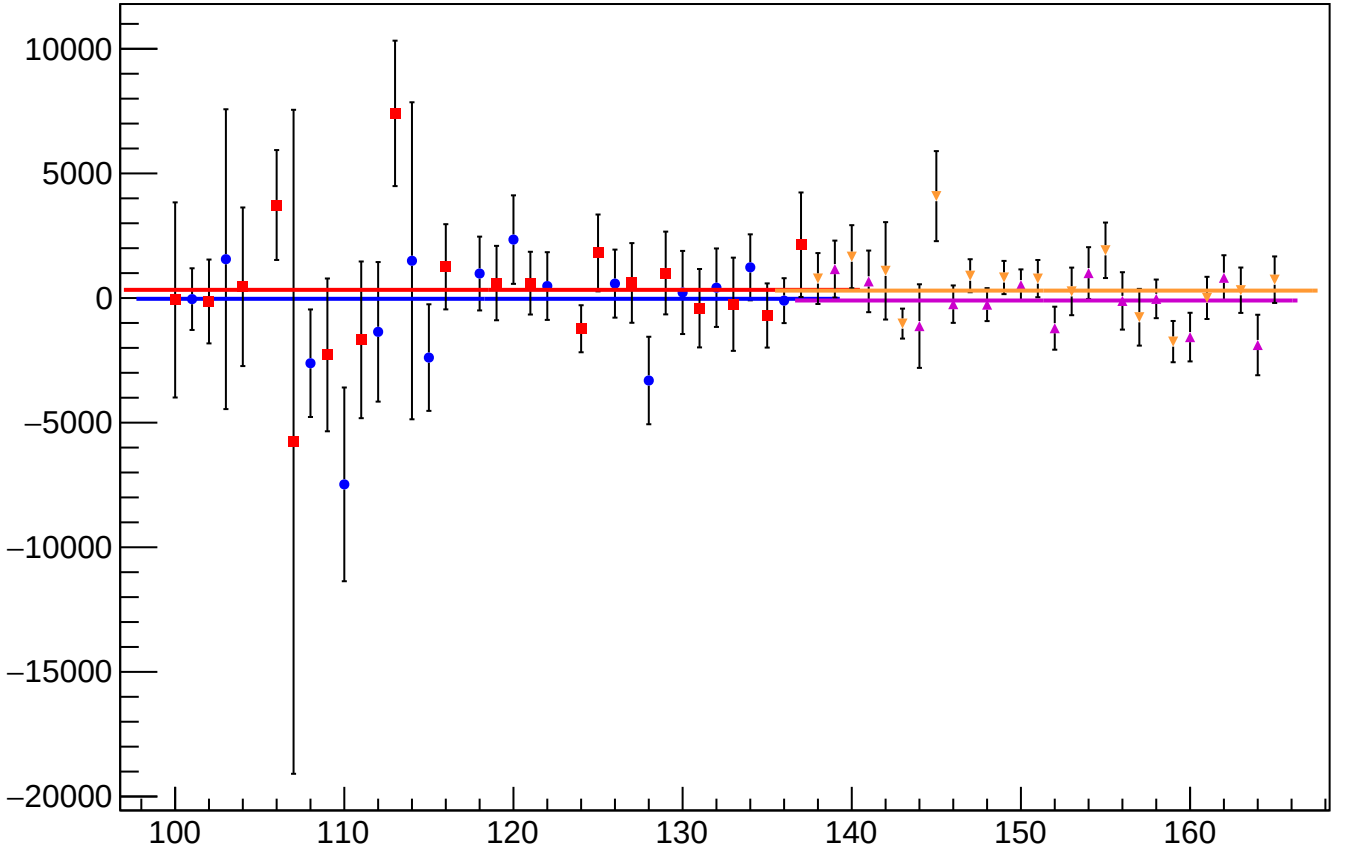
Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

+ sign 2458.673+/-0.400 χ^2/NDF: 298469.9/30

All: 2469.161+/-0.287 χ^2/NDF: 925668.8/62

- sign 2480.299+/-0.412 χ^2/NDF: 625778.4/31

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 298.372+/-228.645 χ^2/NDF:22.1/14

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

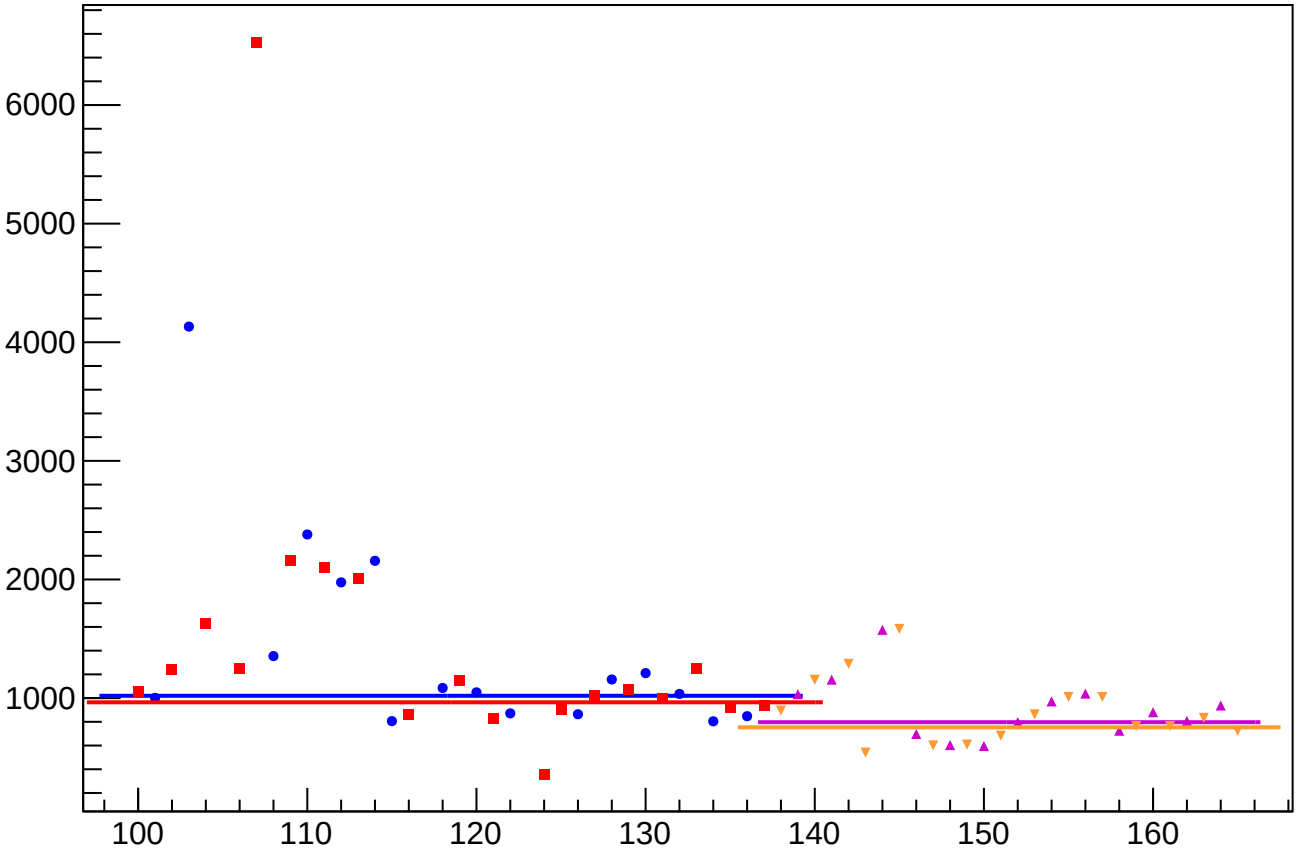
Left In: -98.880+/-250.067 χ^2/NDF:11.3/12

+ sign 218.936+/-199.193 χ^2/NDF: 36.4/30

All: 126.436+/-145.111 χ^2/NDF: 64.6/62

- sign 21.830+/-211.826 χ^2/NDF: 27.7/31

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 753.730+/-0.162 χ^2/NDF:1533262.4/14

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

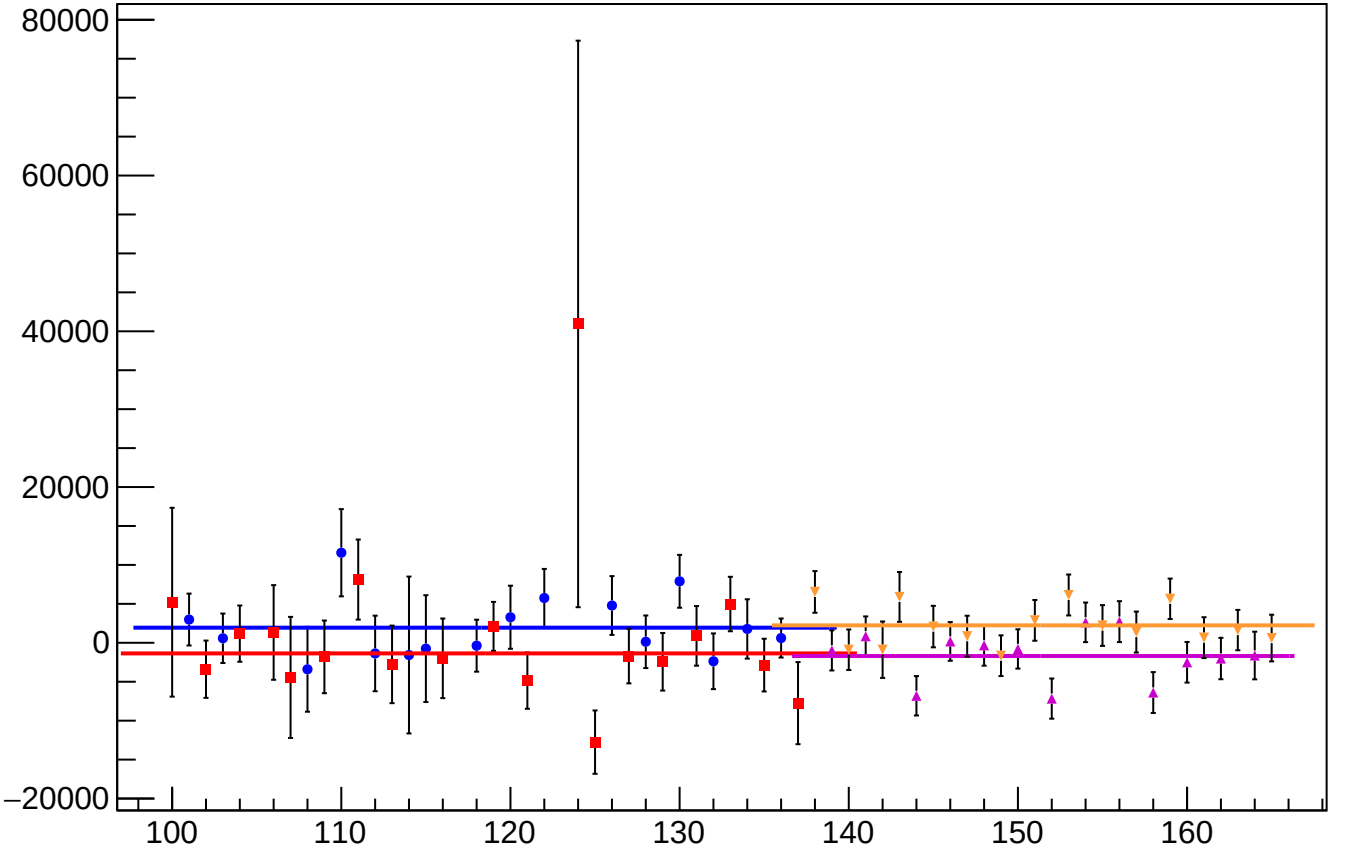
Left In: 796.670+/-0.177 χ^2/NDF:1295363.6/12

+ sign 817.795+/-0.141 χ^2/NDF: 3549445.3/30

All: 830.112+/-0.103 χ^2/NDF: 7424550.9/62

- sign 844.041+/-0.150 χ^2/NDF: 3858811.2/31

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2238.462+/-702.033 χ^2/NDF:13.4/14

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

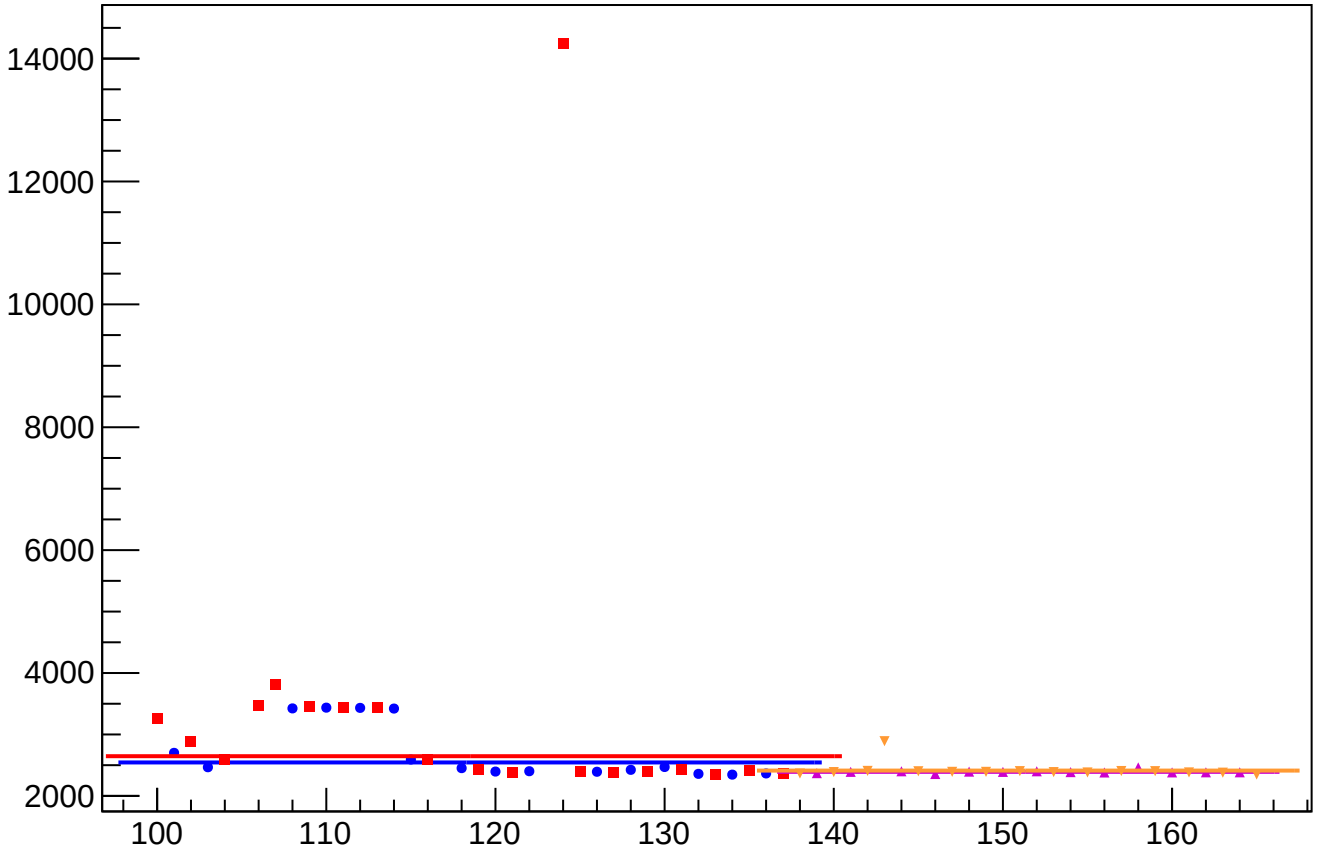
Left In: -1698.810+/-722.032 χ^2/NDF:19.6/12

+ sign 2133.408+/-565.130 χ^2/NDF: 25.7/30

All: 331.905+/-405.583 χ^2/NDF: 88.1/62

- sign -1581.533+/-582.422 χ^2/NDF: 41.4/31

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2412.098+/-0.496 χ^2/NDF:47847.5/14

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

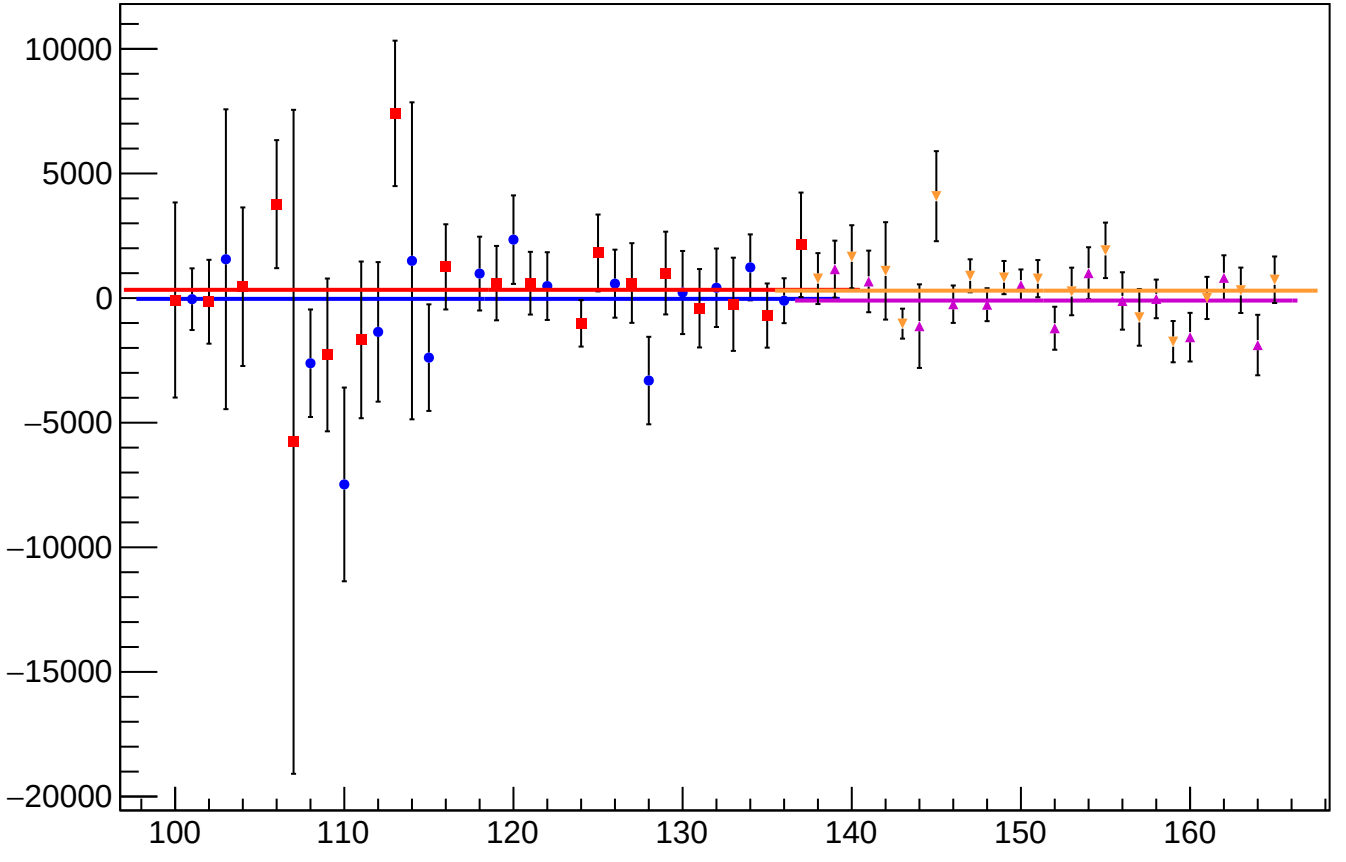
Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

+ sign 2458.673+/-0.400 χ^2/NDF: 298469.9/30

All: 2469.237+/-0.287 χ^2/NDF: 928616.2/62

- sign 2480.459+/-0.412 χ^2/NDF: 628705.0/31

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 298.307+/-228.648 χ^2/NDF:22.1/14

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

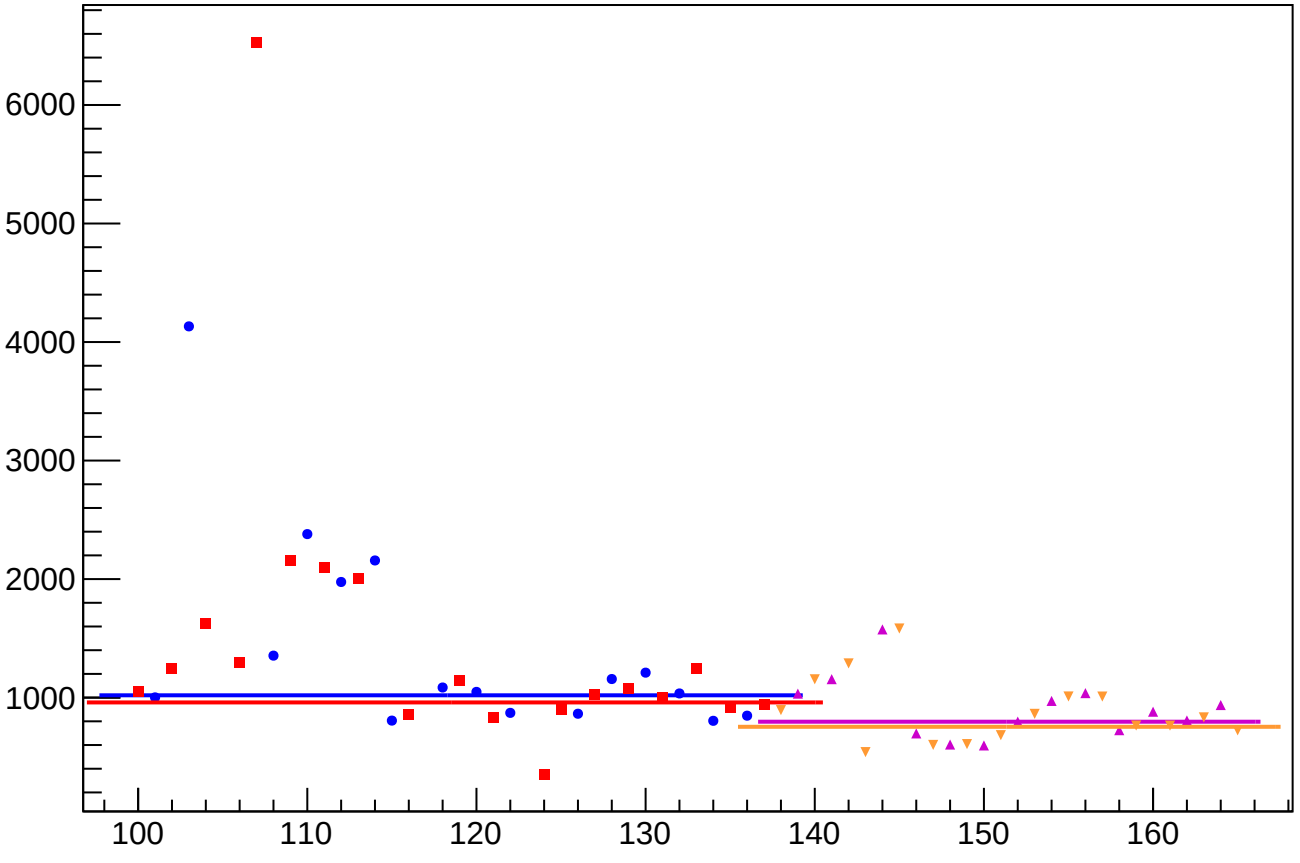
Left In: -98.984+/-250.067 χ^2/NDF:11.3/12

+ sign 218.869+/-199.194 χ^2/NDF: 36.4/30

All: 126.723+/-145.149 χ^2/NDF: 63.3/62

- sign 22.406+/-211.941 χ^2/NDF: 26.5/31

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 753.741+/-0.162 χ^2/NDF:1533253.5/14

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

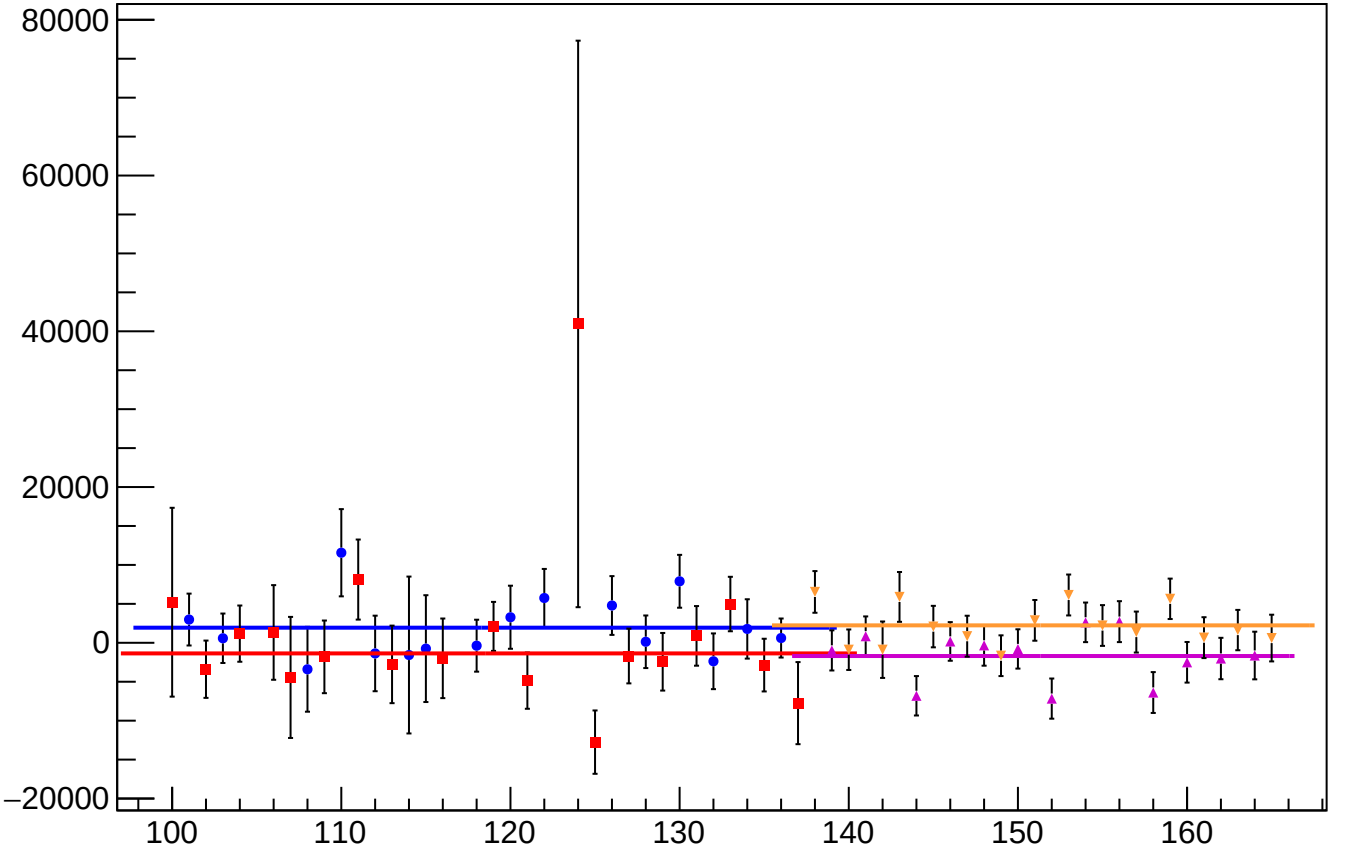
Left In: 796.670+/-0.177 χ^2/NDF:1295487.0/12

+ sign 817.804+/-0.141 χ^2/NDF: 3549338.0/30

All: 829.383+/-0.103 χ^2/NDF: 7442072.2/62

- sign 842.492+/-0.150 χ^2/NDF: 3878323.9/31

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2238.462+/-702.033 χ^2/NDF:13.4/14

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

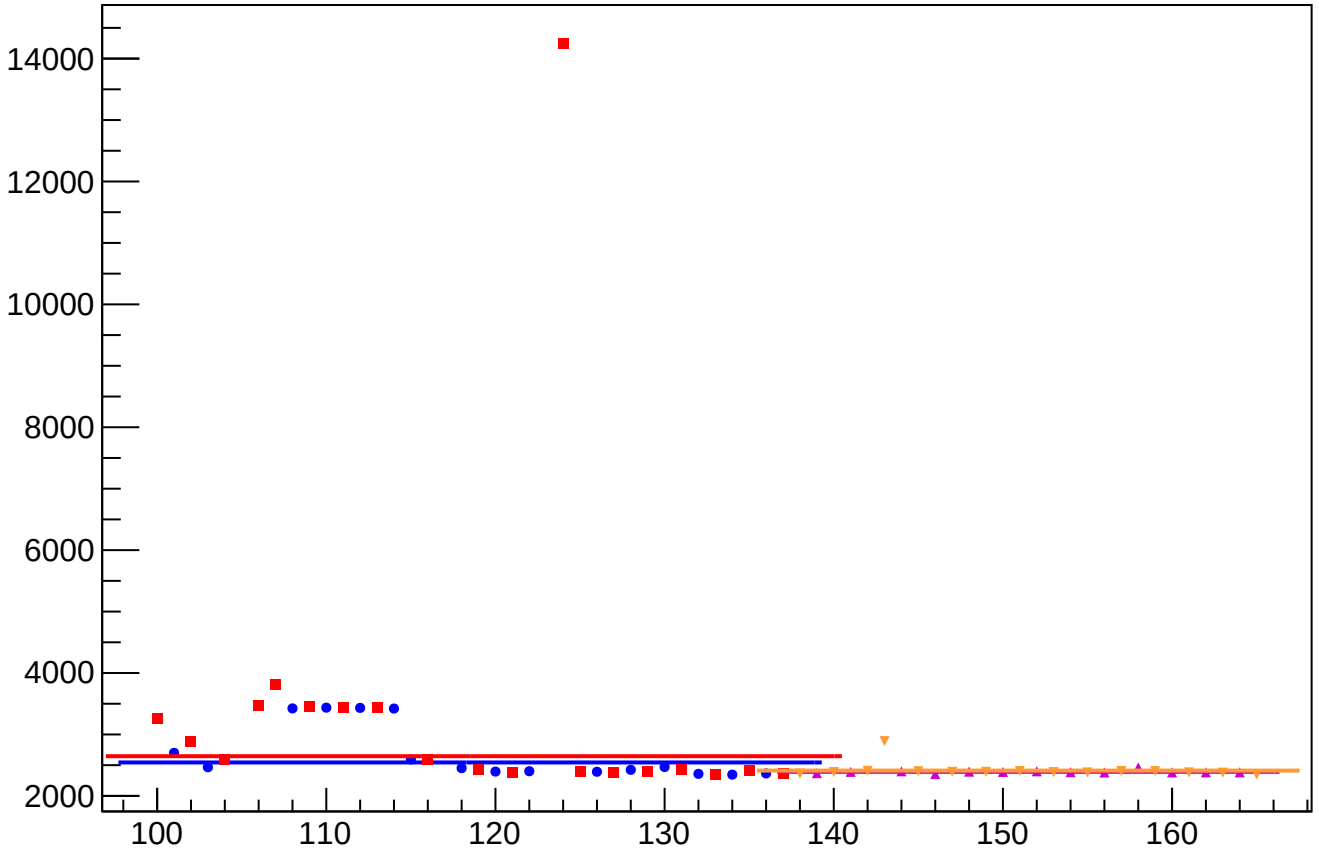
Left In: -1698.810+/-722.032 χ^2/NDF:19.6/12

+ sign 2133.408+/-565.130 χ^2/NDF: 25.7/30

All: 331.905+/-405.583 χ^2/NDF: 88.1/62

- sign -1581.533+/-582.422 χ^2/NDF: 41.4/31

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2412.098+/-0.496 χ^2/NDF:47847.5/14

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

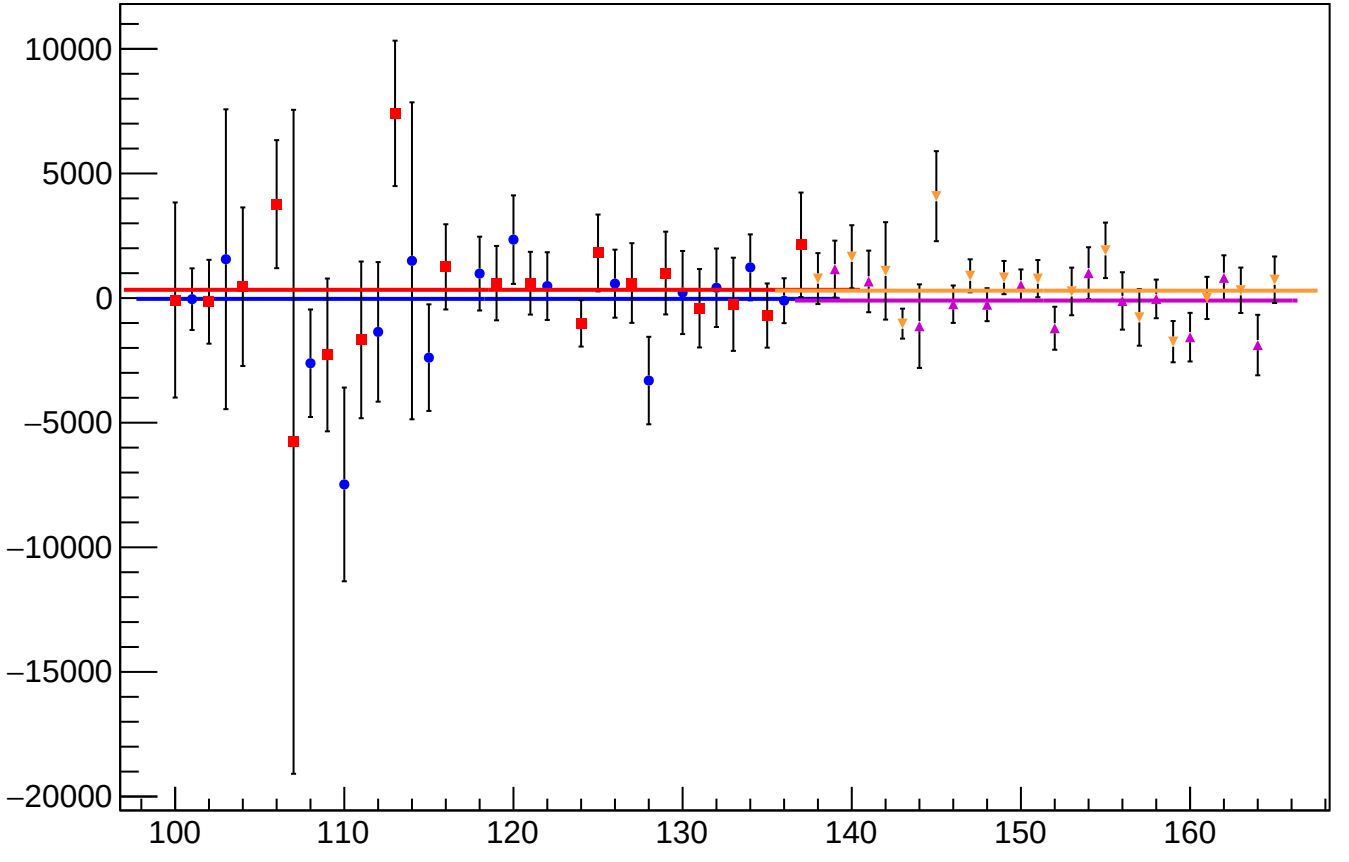
Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

\+ sign 2458.673+/-0.400 χ^2/NDF: 298469.9/30

All: 2469.237+/-0.287 χ^2/NDF: 928616.2/62

\- sign 2480.459+/-0.412 χ^2/NDF: 628705.0/31

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 298.307+/-228.648 χ^2/NDF:22.1/14

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

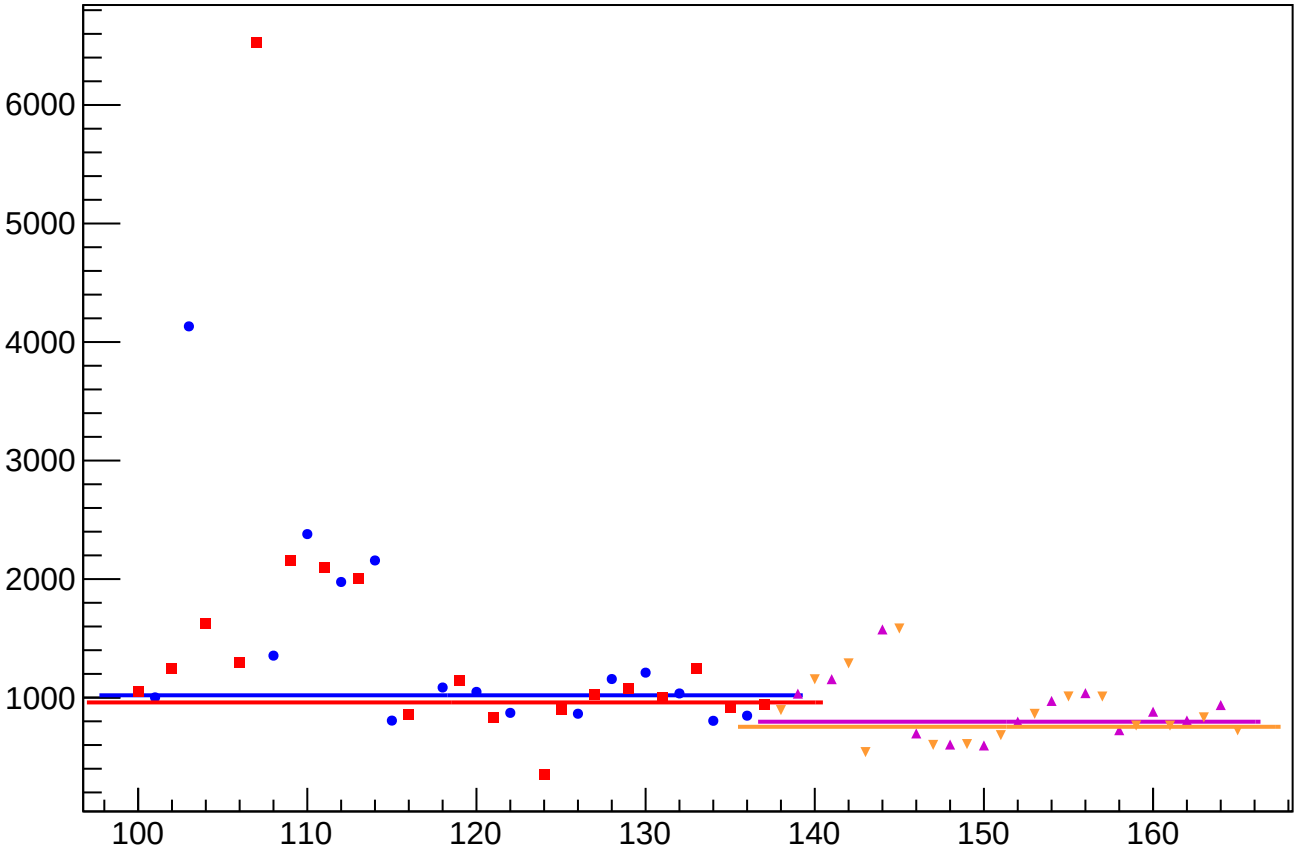
Left In: -98.984+/-250.067 χ^2/NDF:11.3/12

+ sign 218.869+/-199.194 χ^2/NDF: 36.4/30

All: 126.723+/-145.149 χ^2/NDF: 63.3/62

- sign 22.406+/-211.941 χ^2/NDF: 26.5/31

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 753.741+/-0.162 χ^2/NDF:1533253.5/14

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

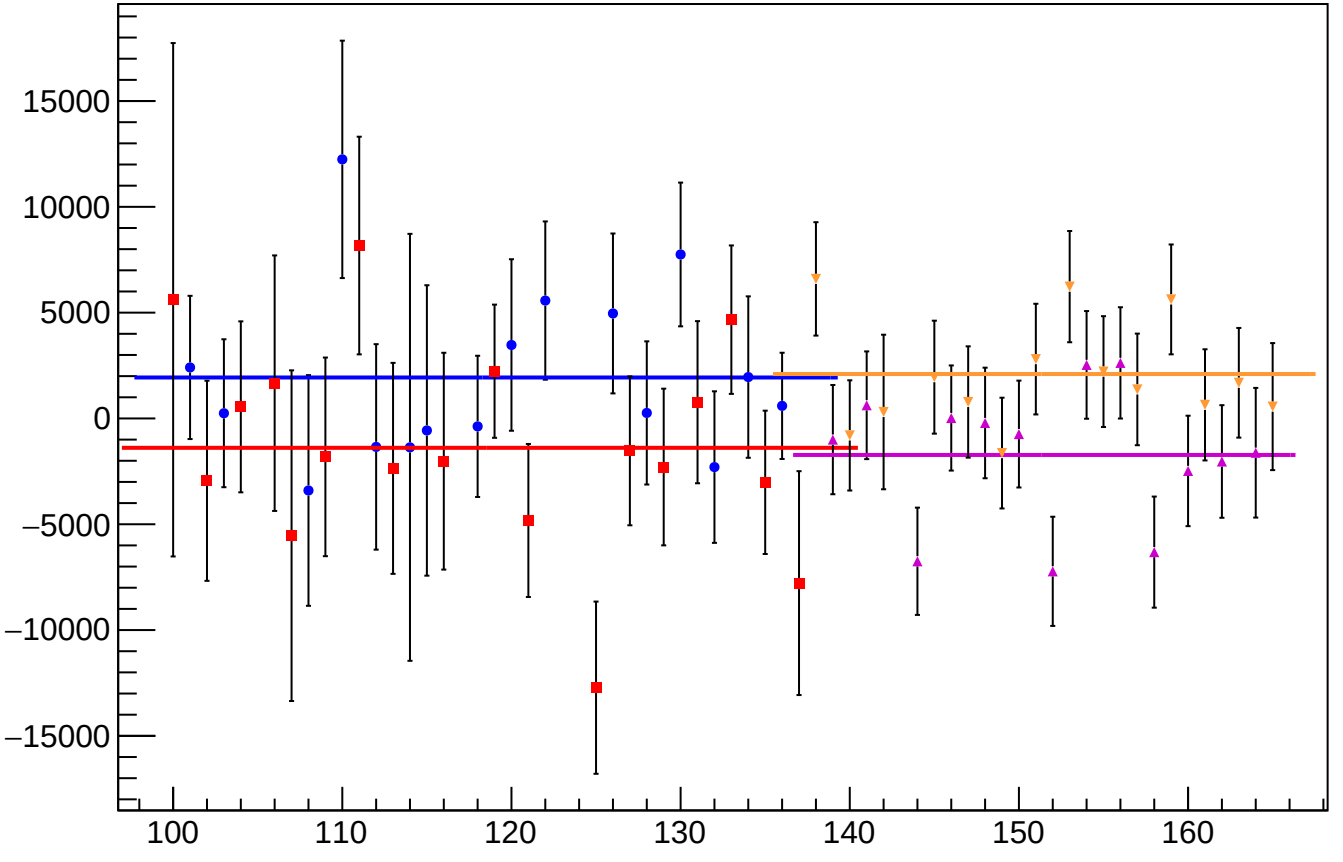
Left In: 796.670+/-0.177 χ^2/NDF:1295487.0/12

+ sign 817.804+/-0.141 χ^2/NDF: 3549338.0/30

All: 829.383+/-0.103 χ^2/NDF: 7442072.2/62

- sign 842.492+/-0.150 χ^2/NDF: 3878323.9/31

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2098.731+/-720.473 χ^2/NDF:11.7/13

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

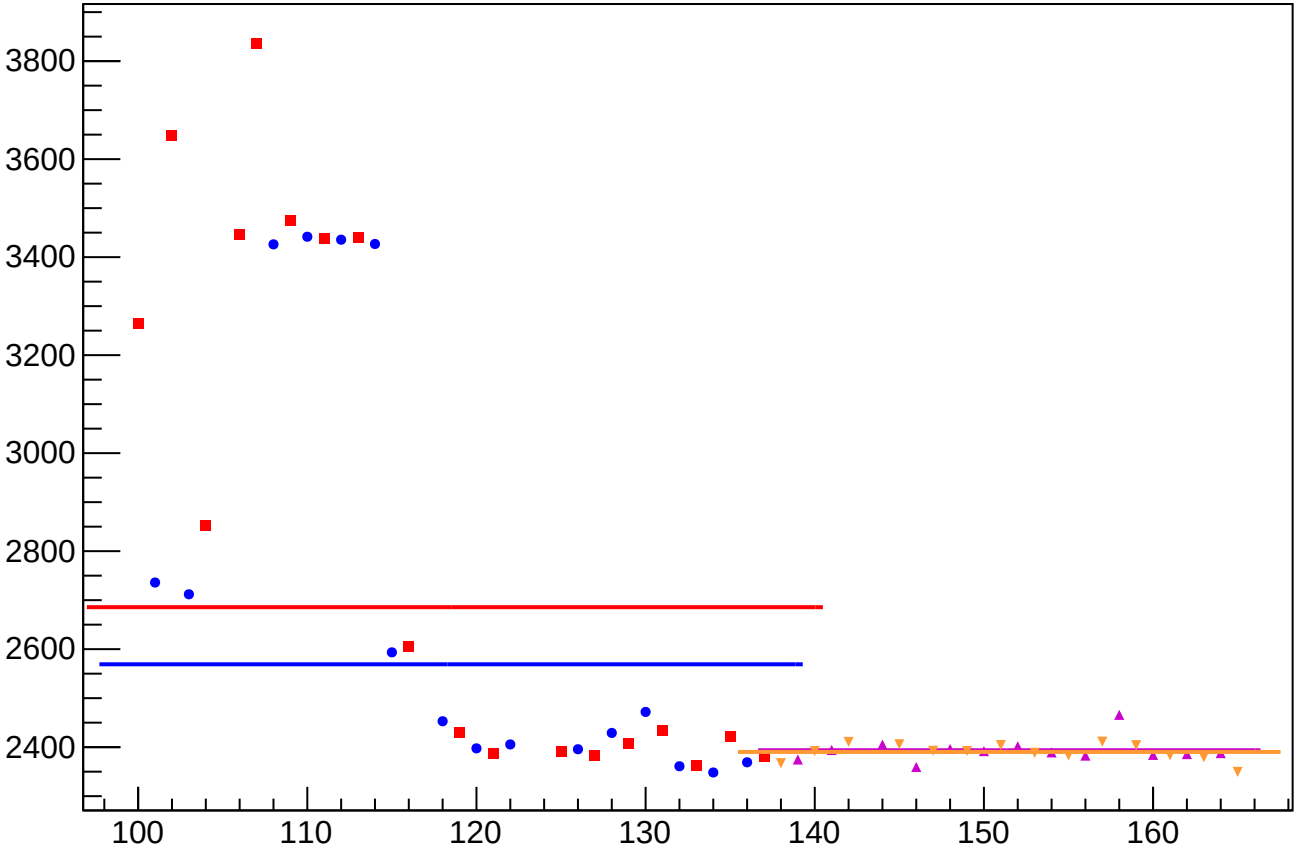
Left In: -1725.398+/-722.711 χ^2/NDF:19.1/12

+ sign 2040.277+/-576.743 χ^2/NDF: 24.0/29

All: 248.642+/-411.592 χ^2/NDF: 82.6/60

- sign -1610.857+/-587.565 χ^2/NDF: 38.9/30

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2390.282+/-0.509 χ^2/NDF:953.0/13

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

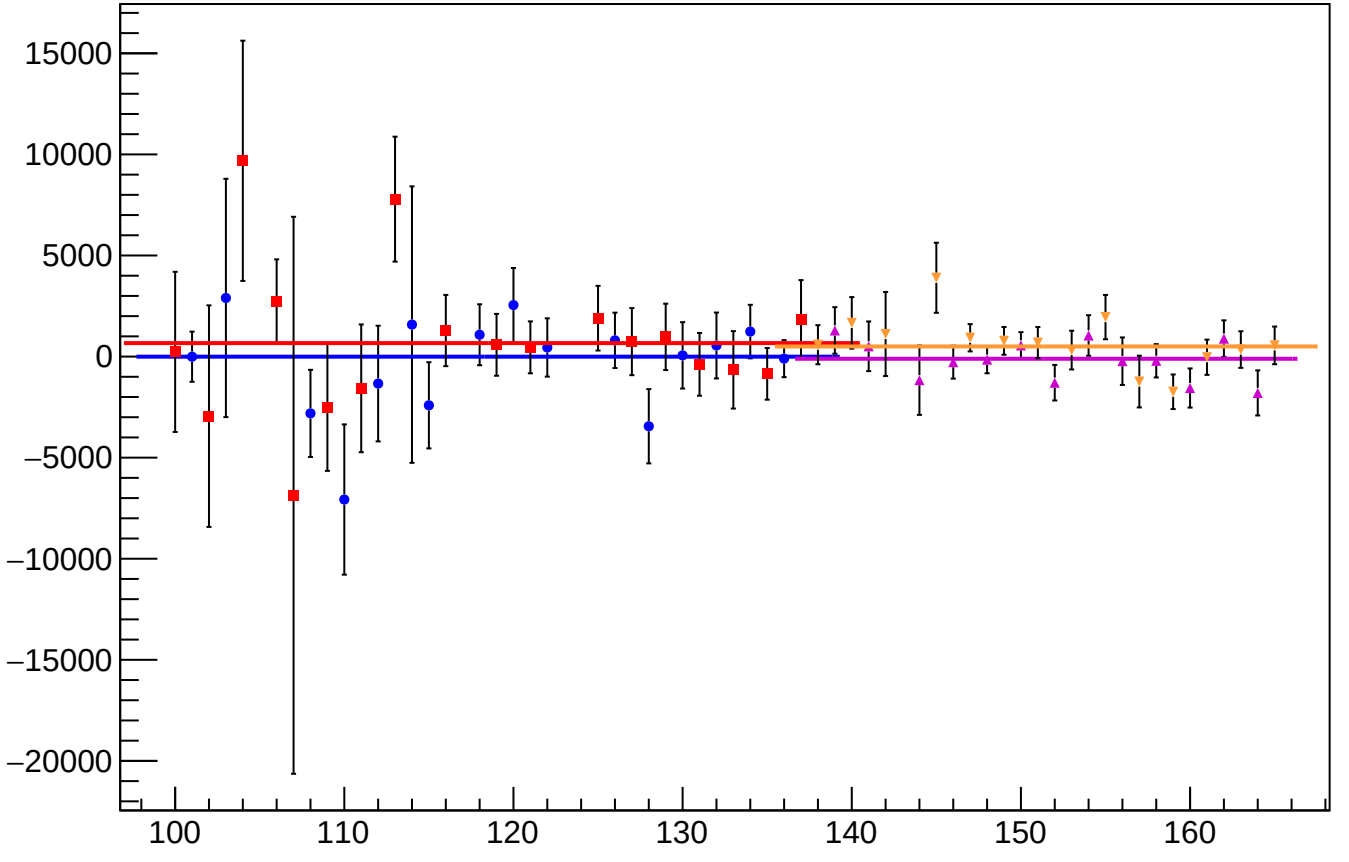
Left In: 2393.711+/-0.511 χ^2/NDF:2155.6/12

+ sign 2454.522+/-0.408 χ^2/NDF: 274708.3/29

All: 2473.254+/-0.291 χ^2/NDF: 811089.6/60

- sign 2492.695+/-0.415 χ^2/NDF: 532081.9/30

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 500.281+/-251.337 χ^2/NDF:16.3/13

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

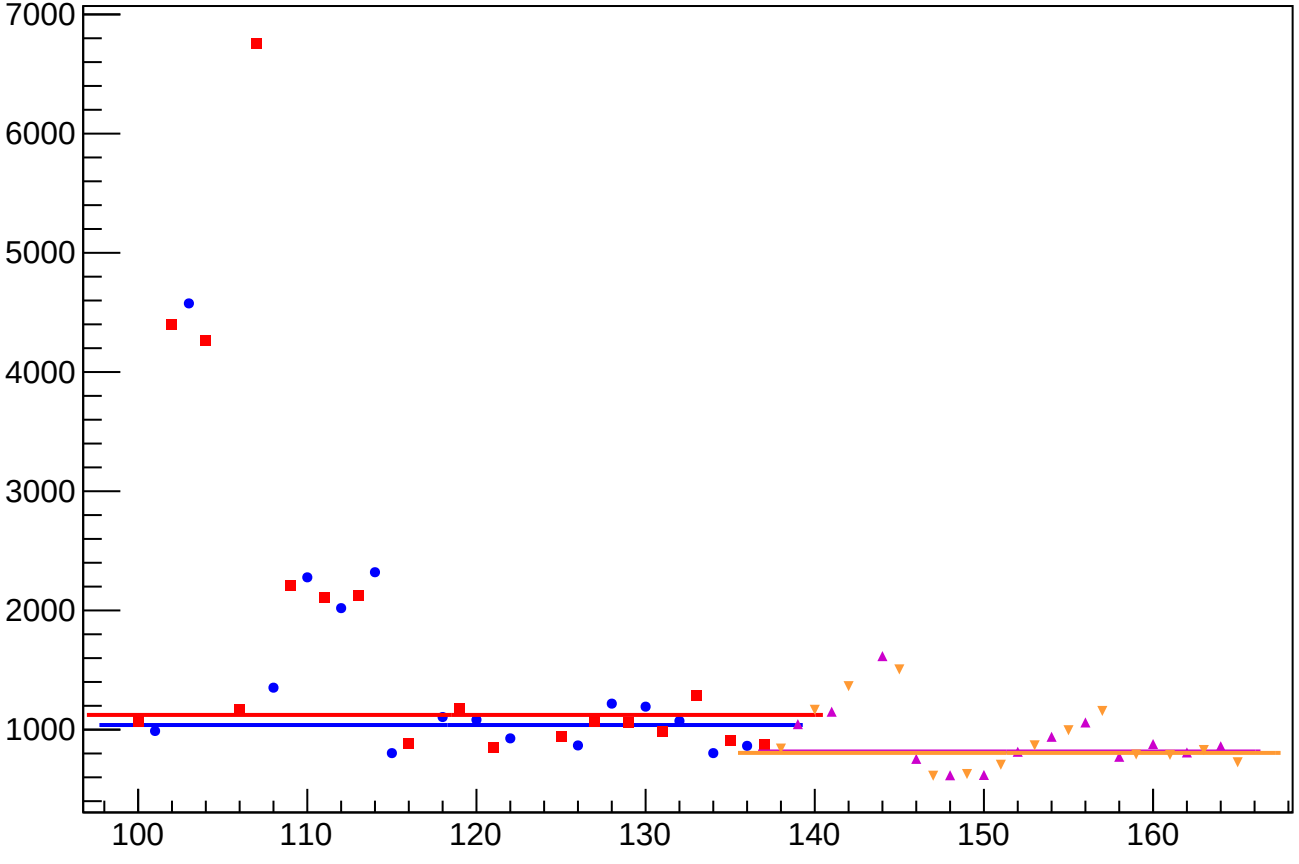
Left In: -108.497+/-255.023 χ^2/NDF:12.1/12

+ sign 363.315+/-214.598 χ^2/NDF: 31.9/29

All: 223.920+/-154.661 χ^2/NDF: 61.4/60

- sign 73.264+/-223.098 χ^2/NDF: 28.6/30

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 804.933+/-0.178 χ^2/NDF:1199222.2/13

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

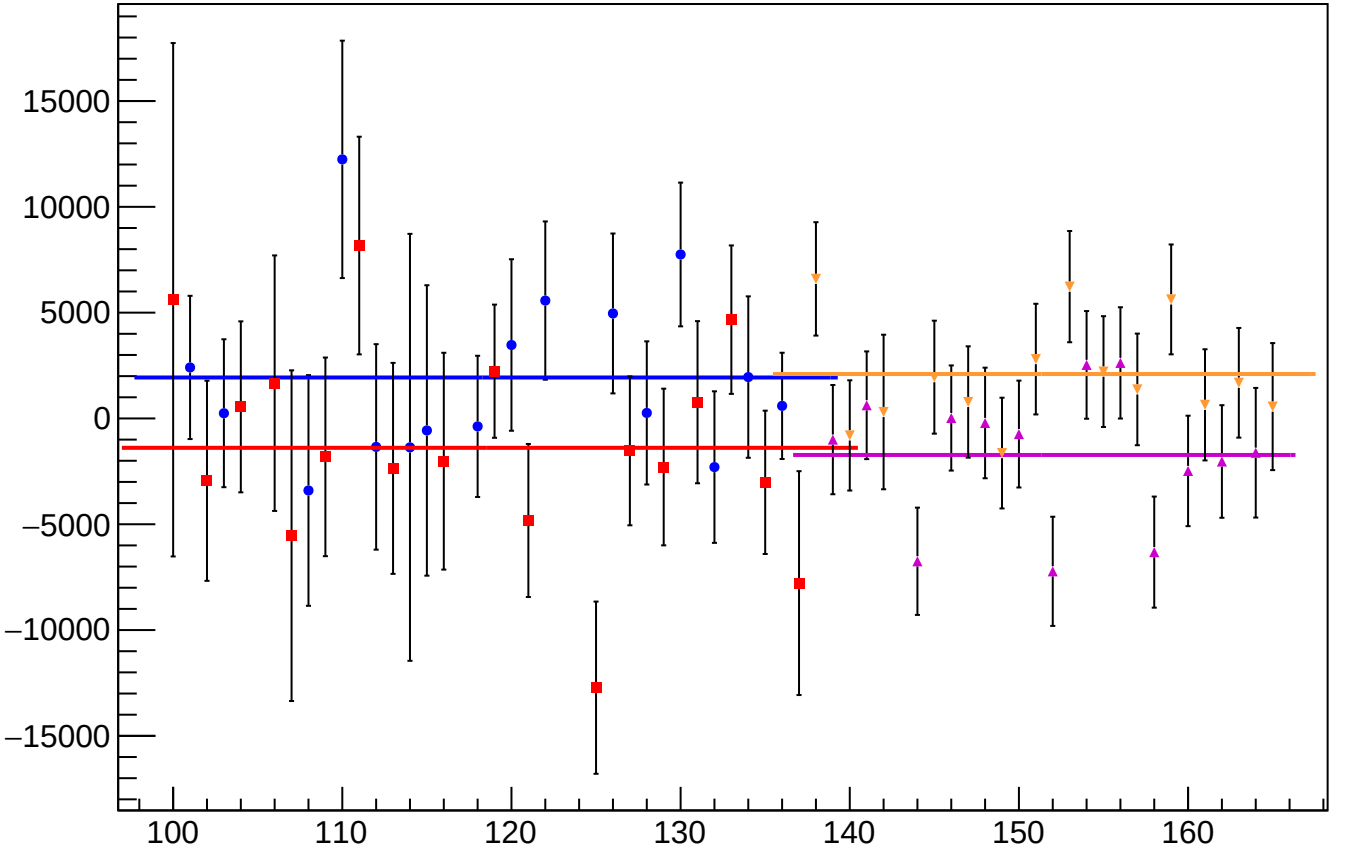
Left In: 816.775+/-0.180 χ^2/NDF:1162138.2/12

+ sign 868.306+/-0.152 χ^2/NDF: 3208202.0/29

All: 878.135+/-0.109 χ^2/NDF: 7593479.0/60

- sign 888.757+/-0.158 χ^2/NDF: 4376548.3/30

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2098.731+/-720.473 χ^2/NDF:11.7/13

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

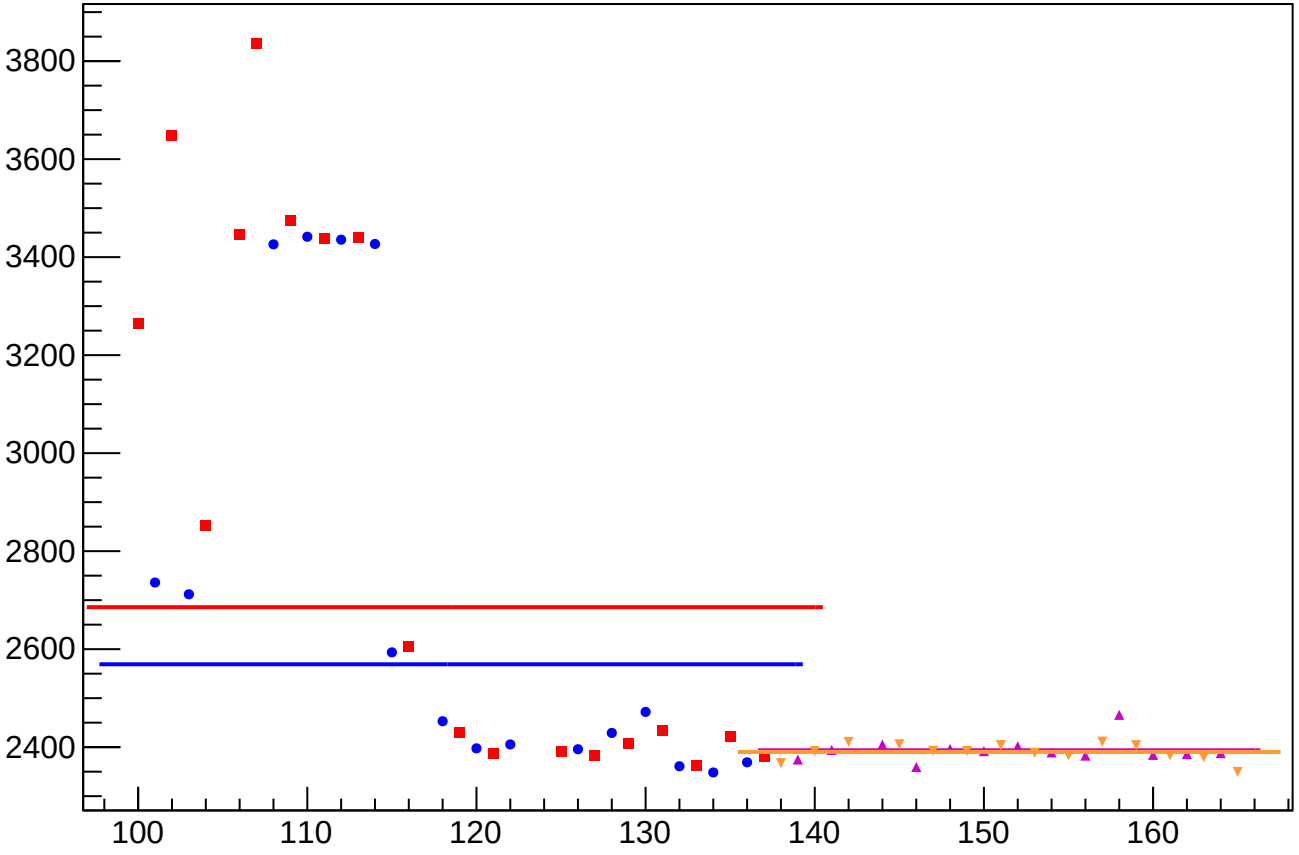
Left In: -1725.399+/-722.711 χ^2/NDF:19.1/12

+ sign 2040.276+/-576.743 χ^2/NDF: 24.0/29

All: 248.642+/-411.591 χ^2/NDF: 82.6/60

- sign -1610.856+/-587.564 χ^2/NDF: 38.9/30

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2390.282+/-0.509 χ^2/NDF:953.0/13

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

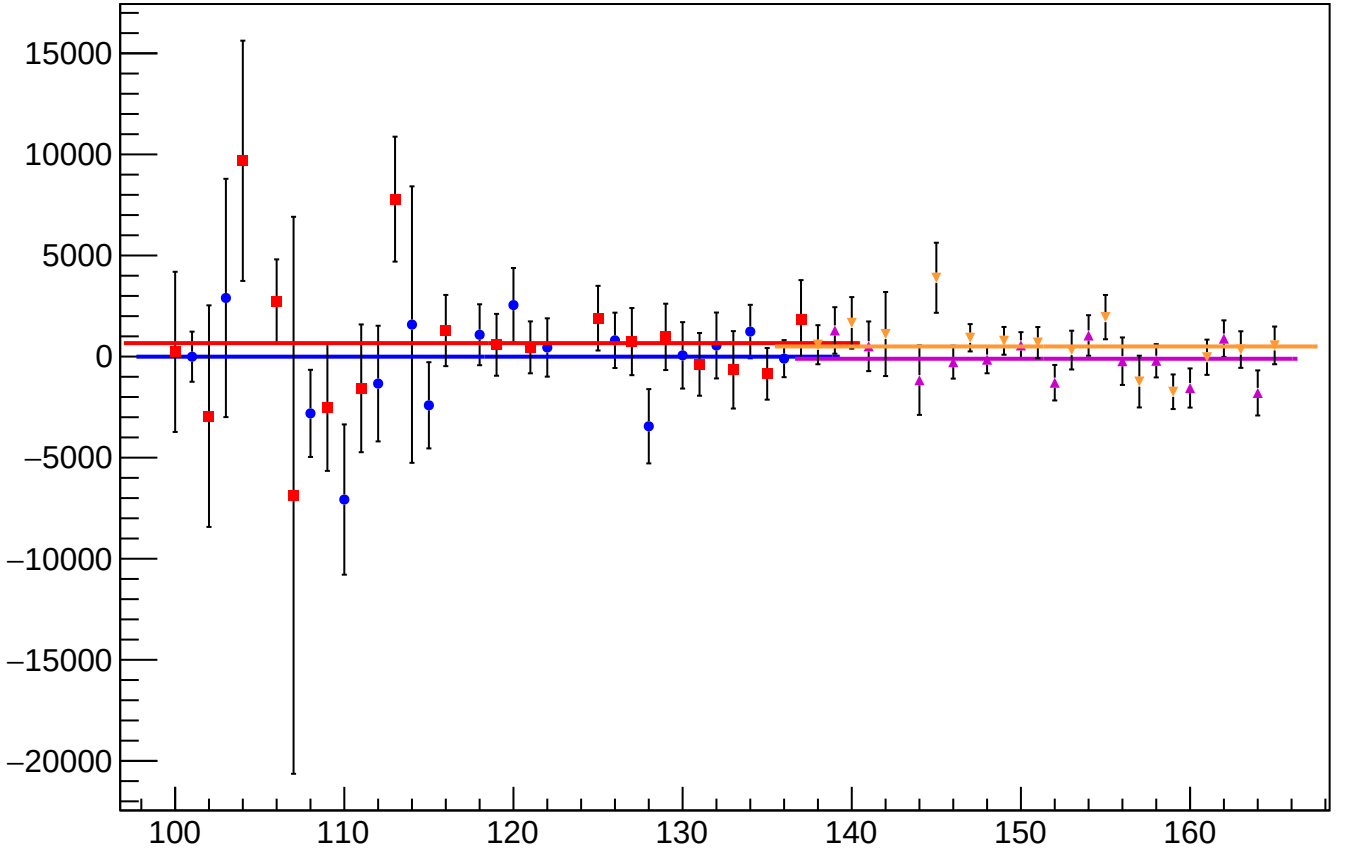
Left In: 2393.711+/-0.511 χ^2/NDF:2155.6/12

+ sign 2454.522+/-0.408 χ^2/NDF: 274707.9/29

All: 2473.254+/-0.291 χ^2/NDF: 811088.3/60

- sign 2492.695+/-0.415 χ^2/NDF: 532081.0/30

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 500.280+/-251.337 χ^2/NDF:16.3/13

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

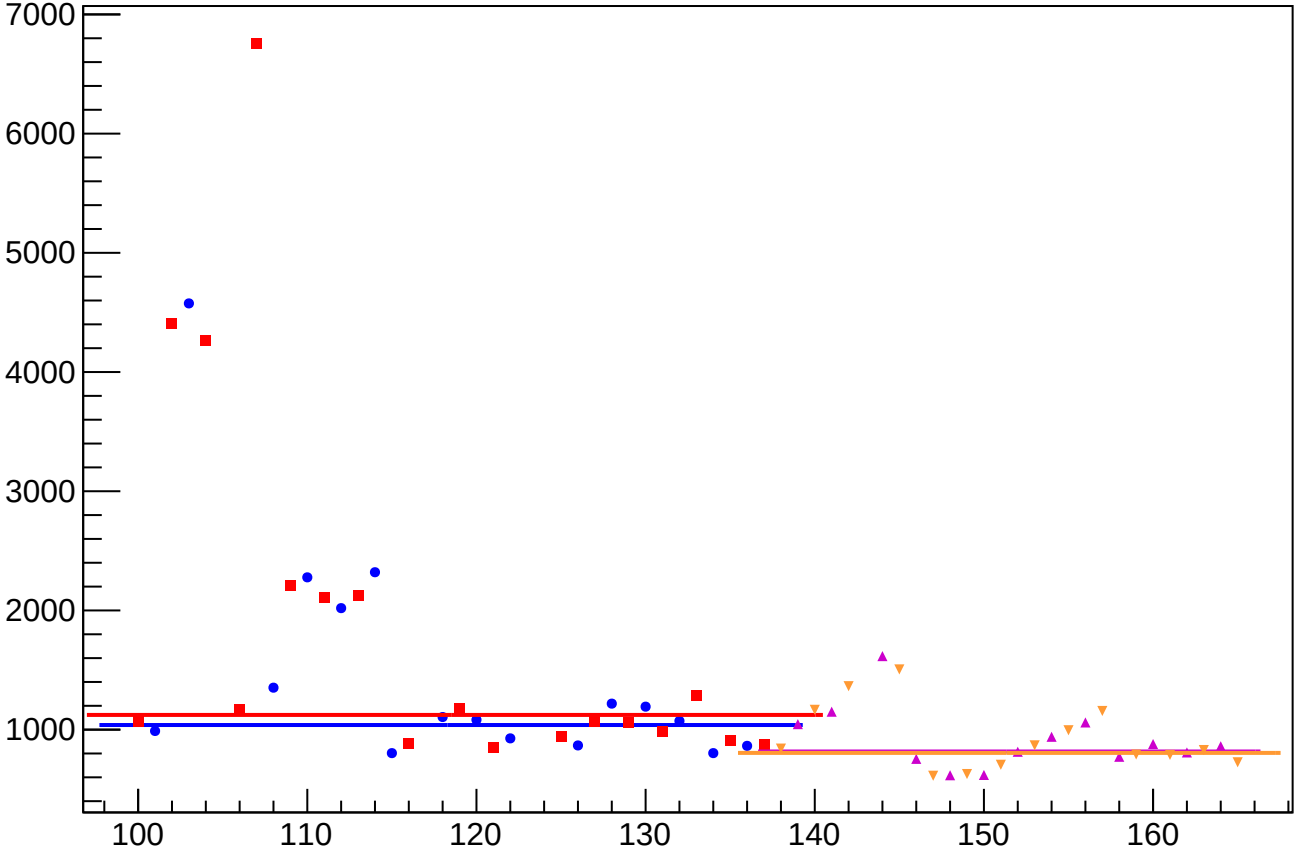
Left In: -108.497+/-255.023 χ^2/NDF:12.1/12

+ sign 363.313+/-214.598 χ^2/NDF: 31.9/29

All: 223.919+/-154.662 χ^2/NDF: 61.4/60

- sign 73.265+/-223.098 χ^2/NDF: 28.6/30

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 804.934+/-0.178 χ^2/NDF:1199218.6/13

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

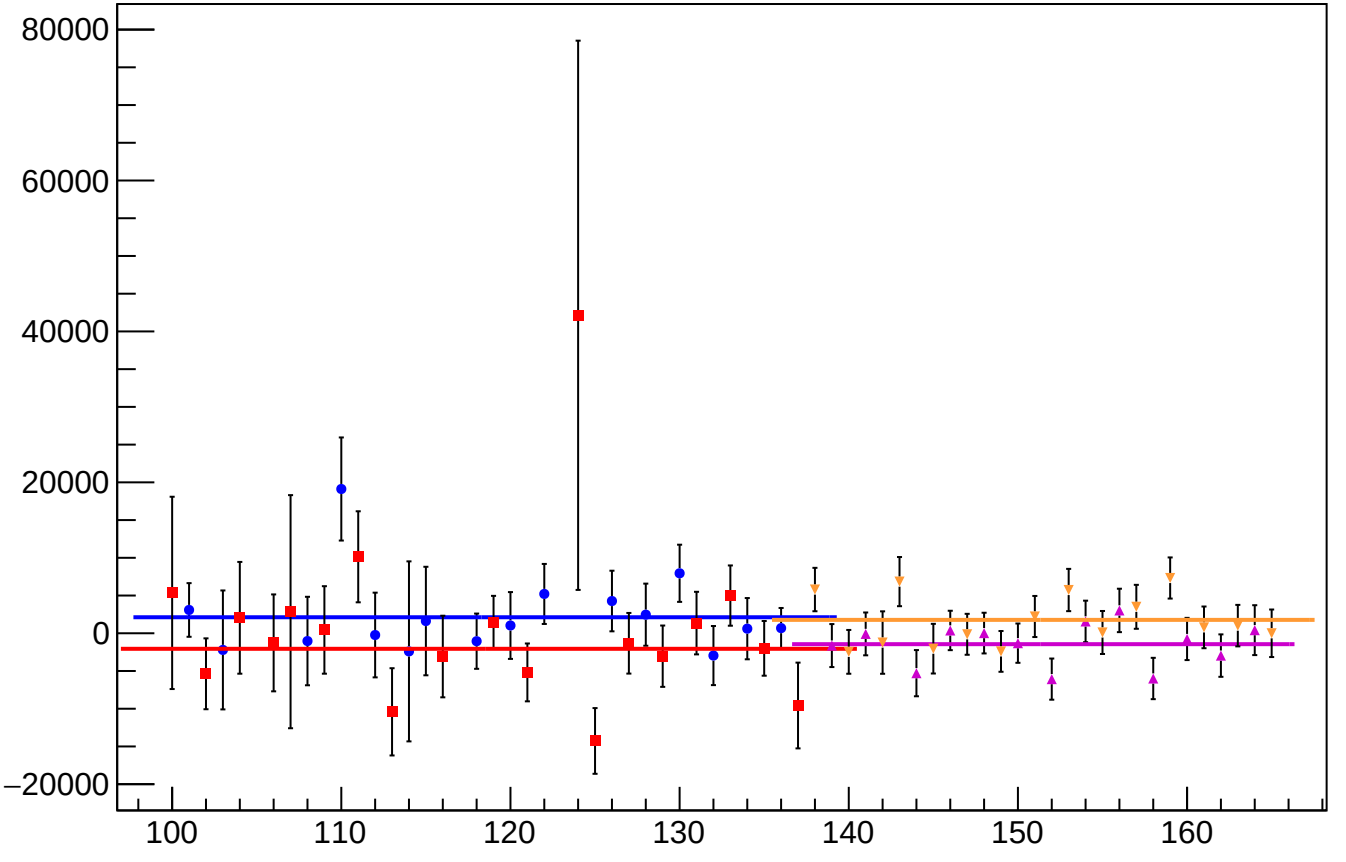
Left In: 816.777+/-0.180 χ^2/NDF:1162136.3/12

\+ sign 868.308+/-0.152 χ^2/NDF: 3208187.2/29

All: 878.136+/-0.109 χ^2/NDF: 7593452.7/60

\- sign 888.758+/-0.158 χ^2/NDF: 4376537.0/30

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1774.407+/-753.848 χ^2/NDF:18.7/14

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

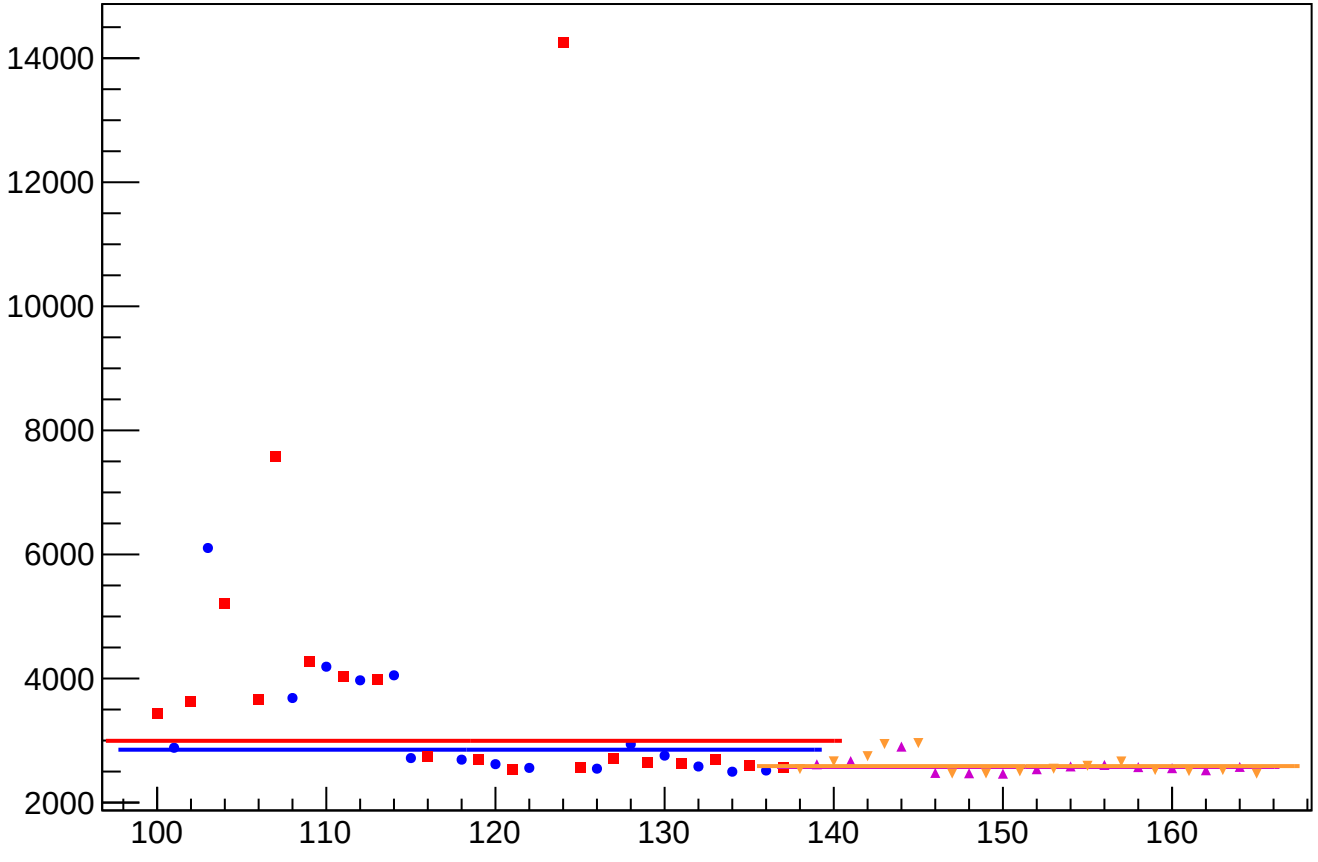
Left In: -1445.249+/-777.880 χ^2/NDF:12.5/12

+ sign 1887.612+/-619.032 χ^2/NDF: 32.1/30

All: 187.378+/-445.611 χ^2/NDF: 84.8/62

- sign -1641.213+/-641.973 χ^2/NDF: 37.0/31

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2588.049+/-0.533 χ^2/NDF:72522.0/14

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

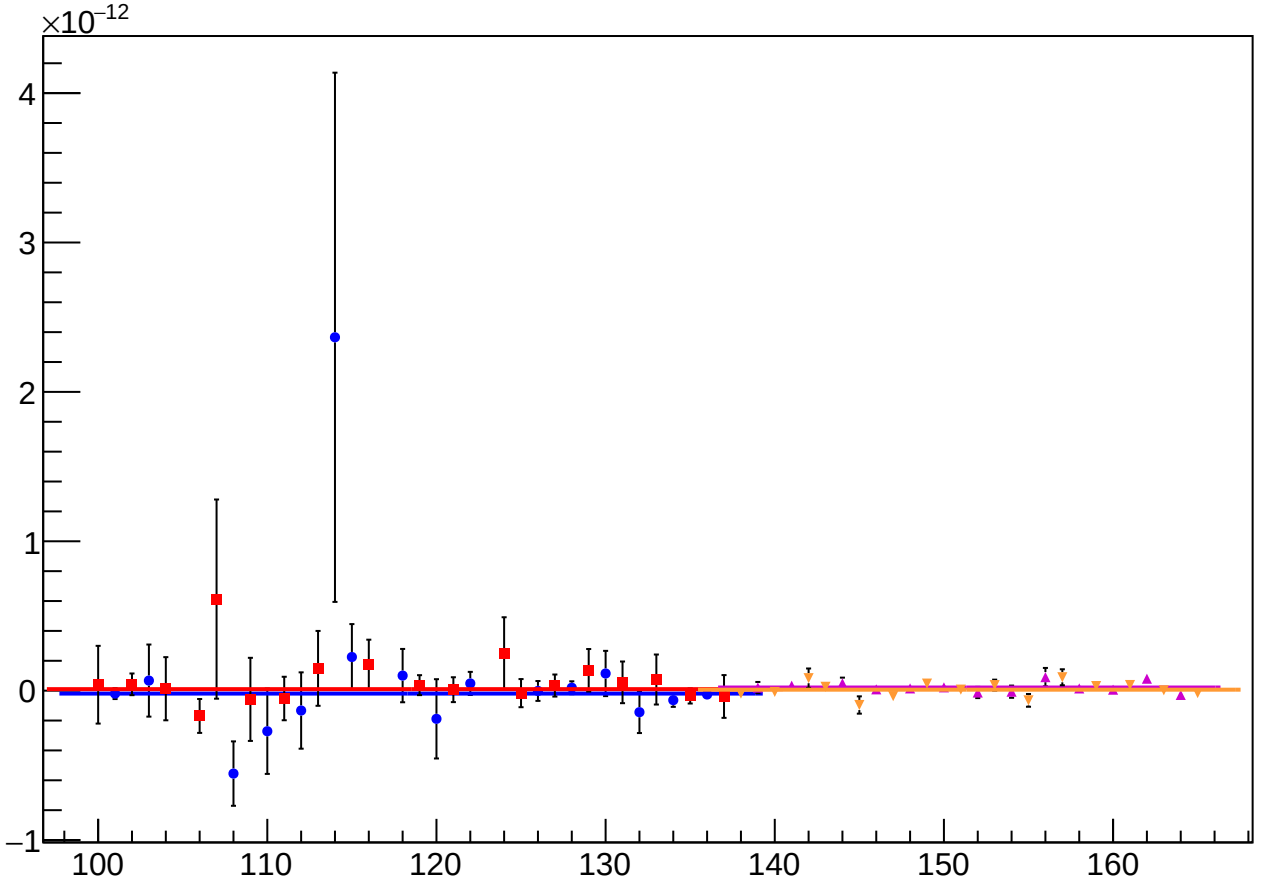
Left In: 2573.771+/-0.550 χ^2/NDF:36059.6/12

+ sign 2674.082+/-0.438 χ^2/NDF: 801219.6/30

All: 2690.555+/-0.315 χ^2/NDF: 2006879.3/62

- sign 2708.270+/-0.454 χ^2/NDF: 1202720.5/31

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:21.7/14

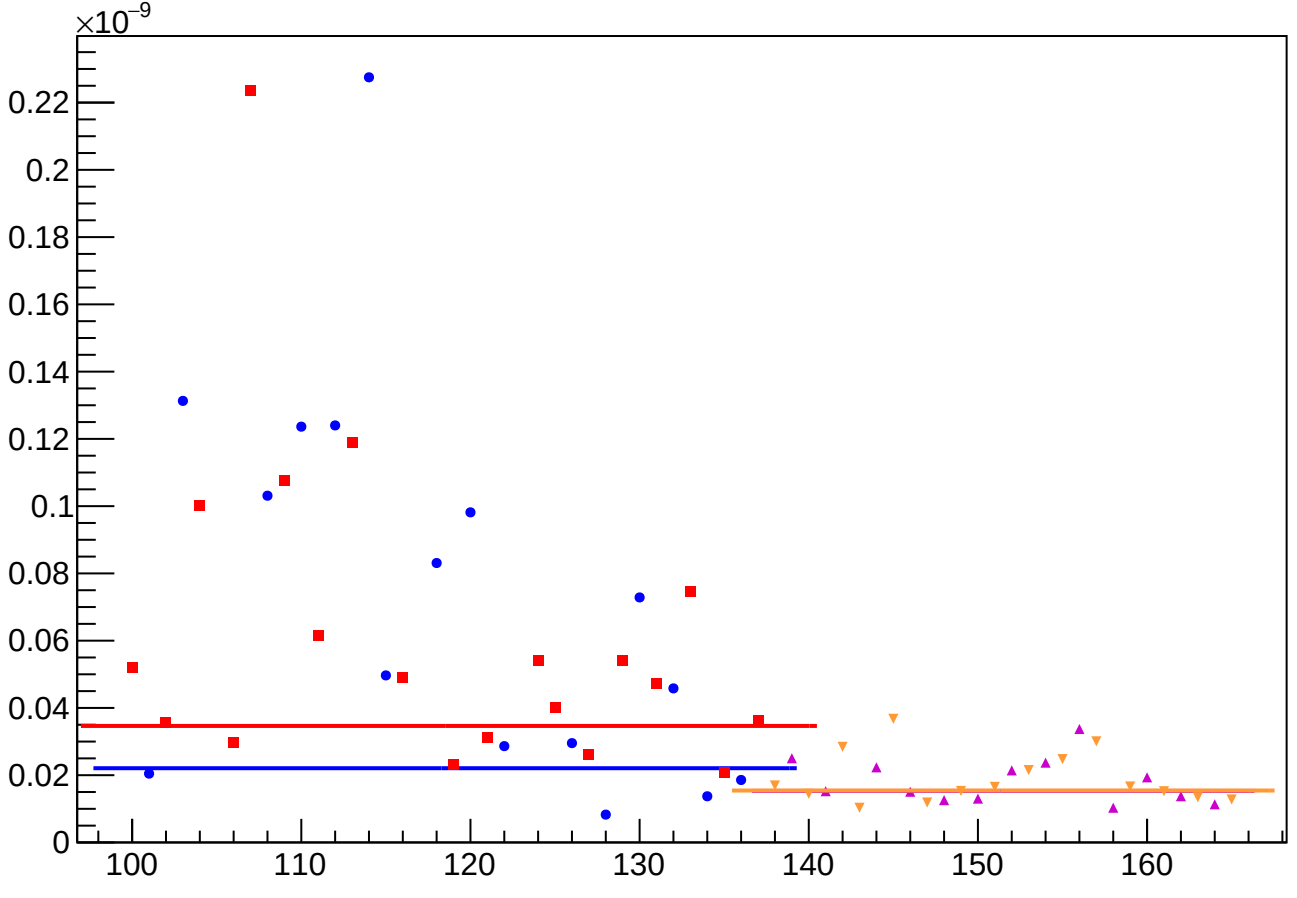
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/30

All: 0.000+/-0.000 χ^2/NDF: 62.8/62

- sign 0.000+/-0.000 χ^2/NDF: 20.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:890567.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

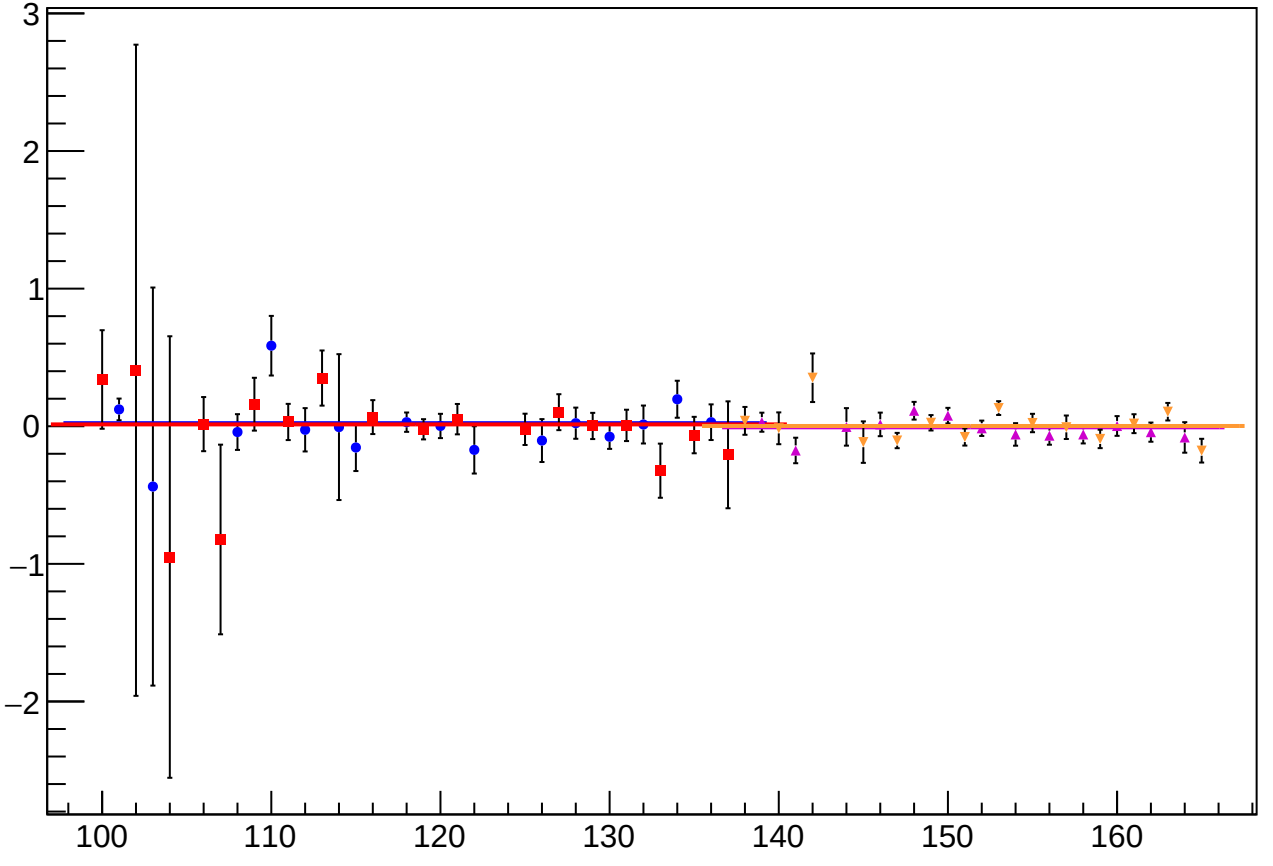
Left In: 0.000+/-0.000 χ^2/NDF:772443.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 3487180.1/30

All: 0.000+/-0.000 χ^2/NDF: 6642118.3/62

- sign 0.000+/-0.000 χ^2/NDF: 3144935.5/31

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

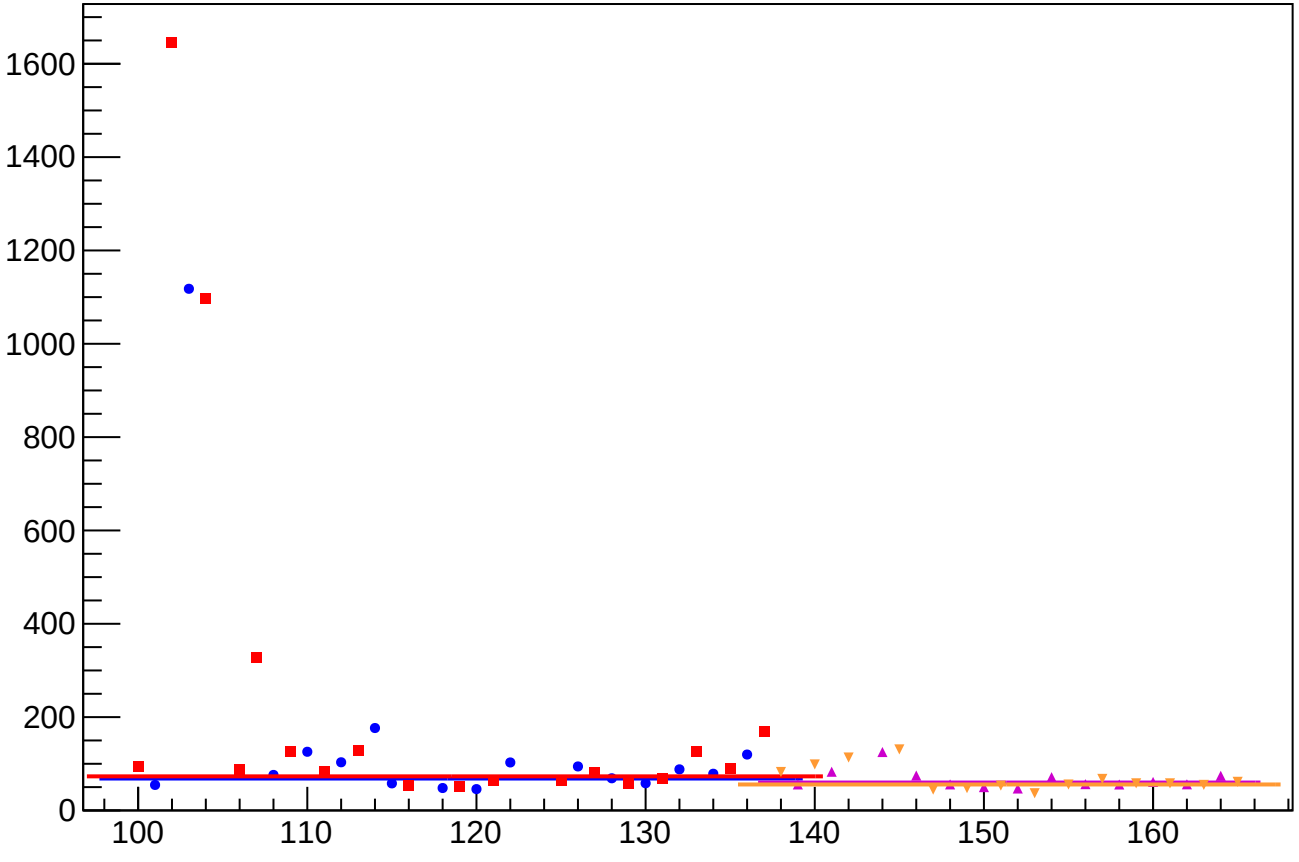
Left In: -0.008+/-0.020 χ^2/NDF:12.0/12

+ sign 0.008+/-0.016 χ^2/NDF: 41.1/29

All: 0.003+/-0.012 χ^2/NDF: 64.4/60

- sign -0.002+/-0.017 χ^2/NDF: 23.1/30

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.686+/-0.014 χ^2/NDF:1582546.4/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

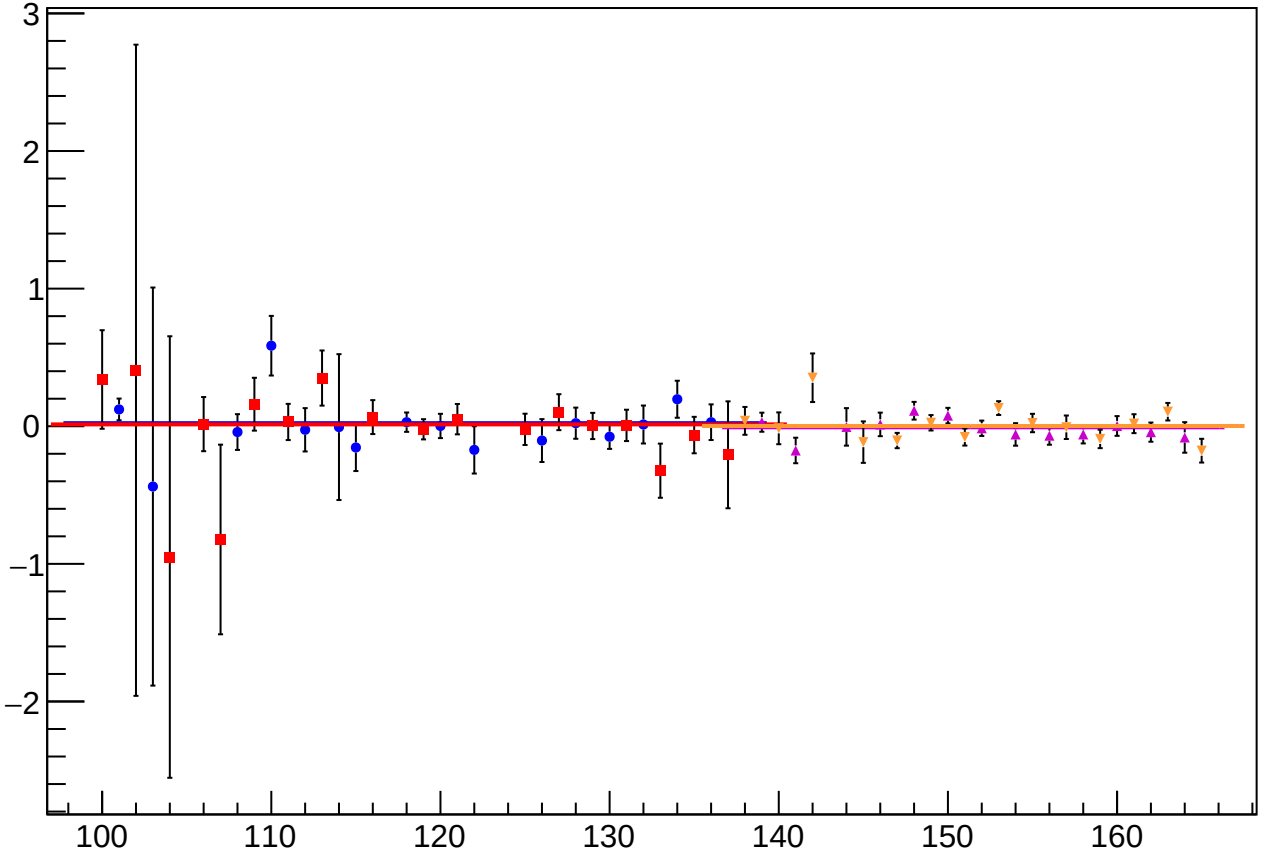
Left In: 59.808+/-0.014 χ^2/NDF:919782.2/12

+ sign 59.351+/-0.011 χ^2/NDF: 4115168.7/29

All: 61.209+/-0.008 χ^2/NDF: 8235394.2/60

- sign 63.313+/-0.012 χ^2/NDF: 4063927.6/30

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

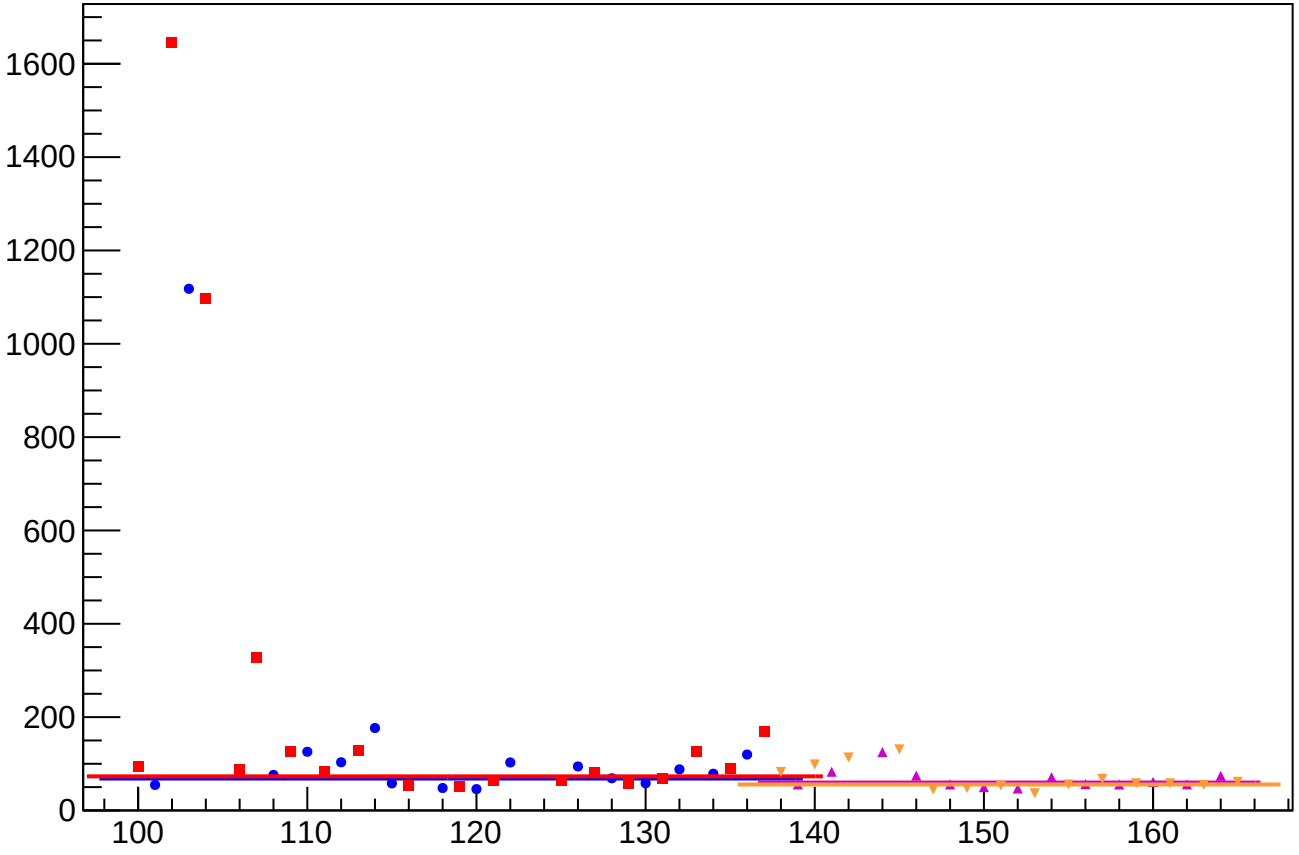
Left In: -0.008+/-0.020 χ^2/NDF:12.0/12

+ sign 0.008+/-0.016 χ^2/NDF: 41.1/29

All: 0.003+/-0.012 χ^2/NDF: 64.4/60

- sign -0.002+/-0.017 χ^2/NDF: 23.1/30

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.686+/-0.014 χ^2/NDF:1582546.4/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

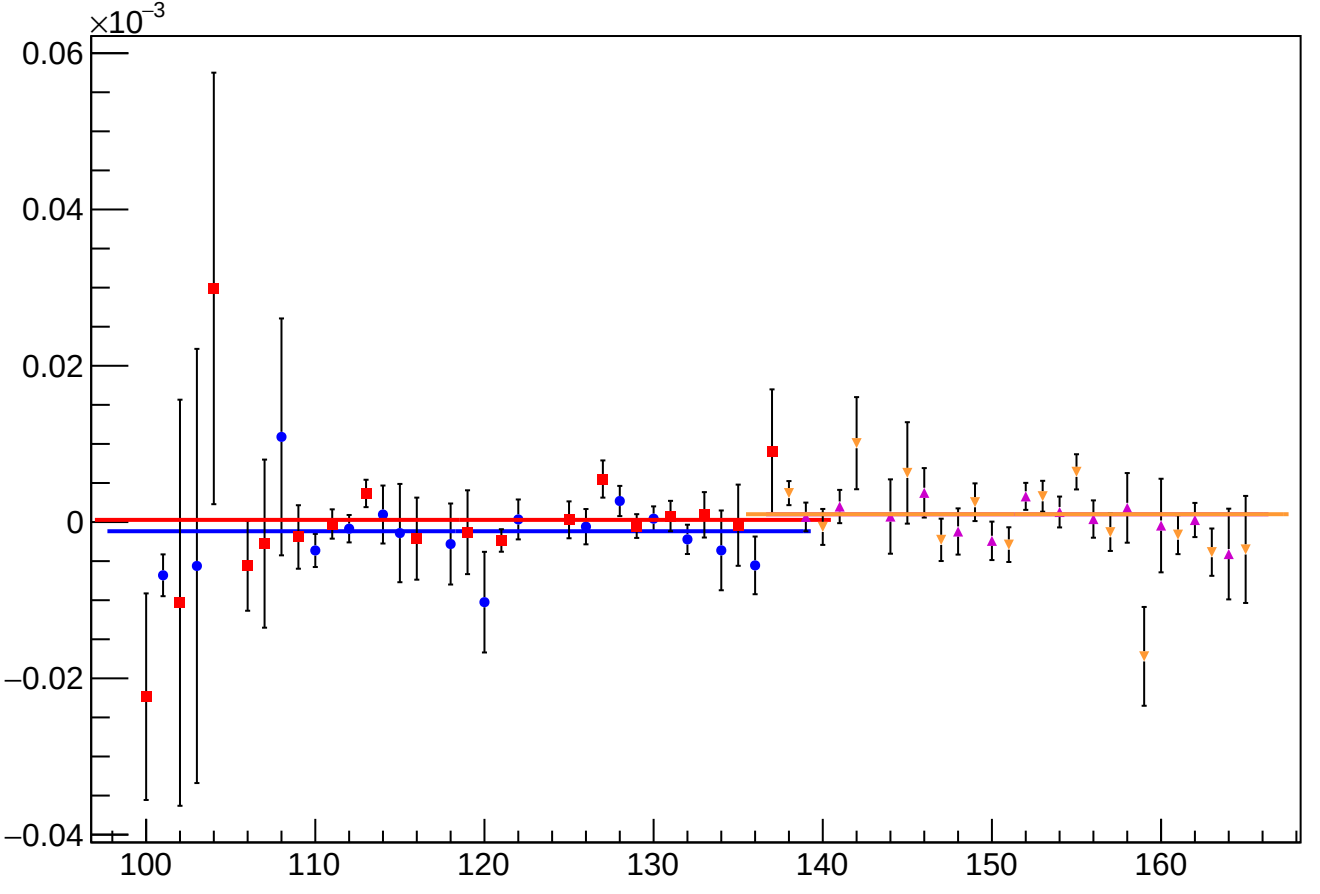
Left In: 59.808+/-0.014 χ^2/NDF:919782.2/12

+ sign 59.351+/-0.011 χ^2/NDF: 4115168.7/29

All: 61.209+/-0.008 χ^2/NDF: 8235394.2/60

- sign 63.313+/-0.012 χ^2/NDF: 4063927.6/30

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:32.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

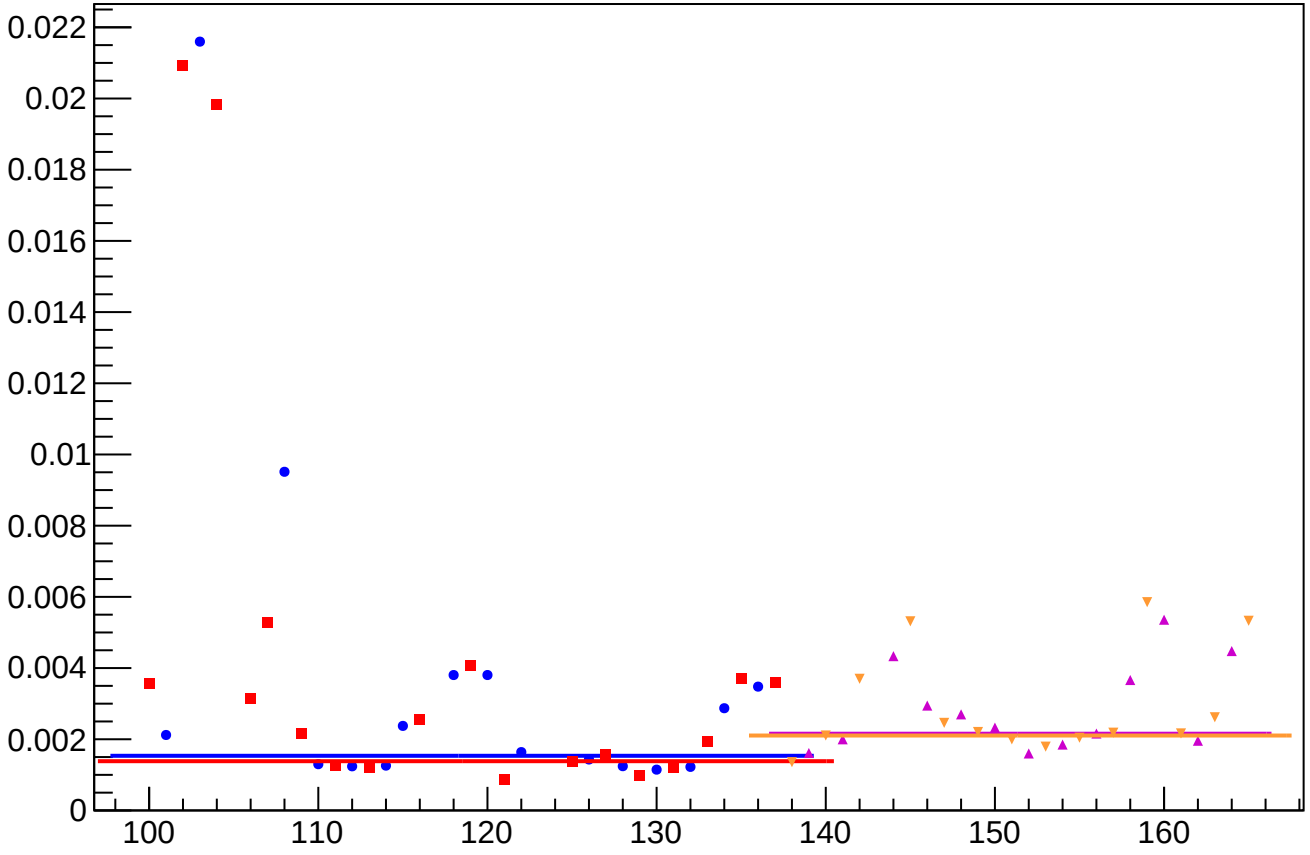
Left In: 0.000+/-0.000 χ^2/NDF:6.3/12

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/29

All: 0.000+/-0.000 χ^2/NDF: 81.1/60

- sign 0.000+/-0.000 χ^2/NDF: 26.4/30

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:2406610.2/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

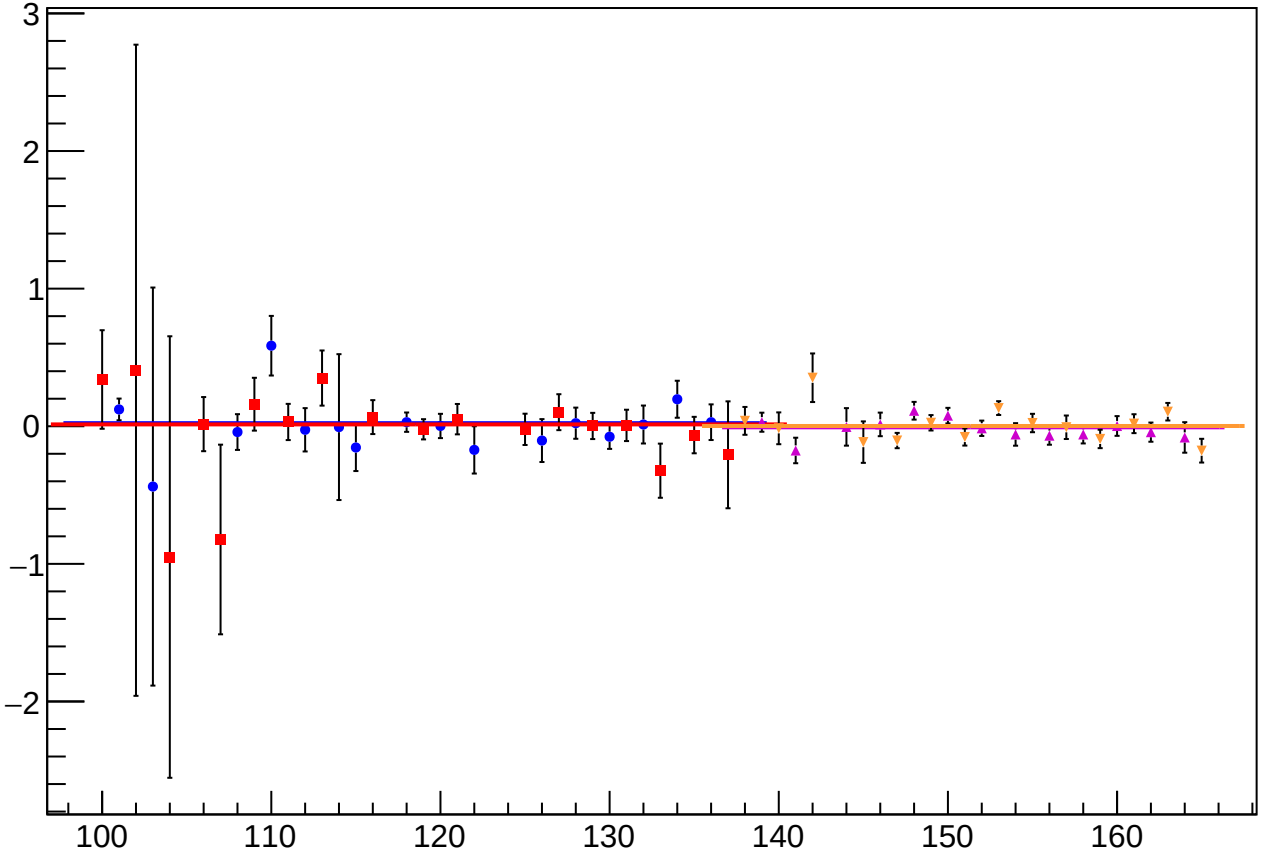
Left In: 0.002+/-0.000 χ^2/NDF:2198686.0/12

+ sign 0.002+/-0.000 χ^2/NDF: 6490110.1/29

All: 0.002+/-0.000 χ^2/NDF: 14320182.2/60

- sign 0.002+/-0.000 χ^2/NDF: 7800835.3/30

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

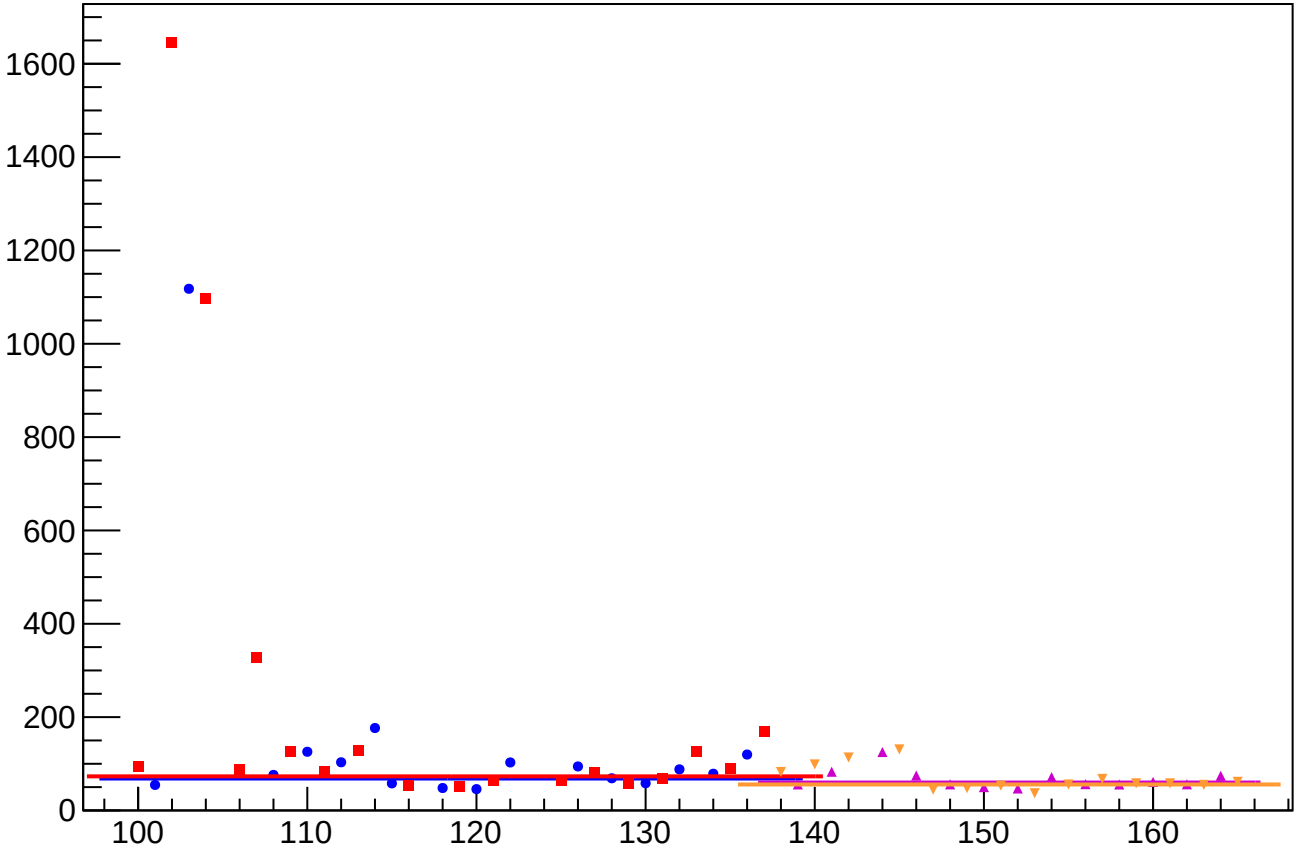
Left In: -0.008+/-0.020 χ^2/NDF:12.0/12

+ sign 0.008+/-0.016 χ^2/NDF: 41.1/29

All: 0.003+/-0.012 χ^2/NDF: 64.4/60

- sign -0.002+/-0.017 χ^2/NDF: 23.1/30

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.685+/-0.014 χ^2/NDF:1582620.1/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

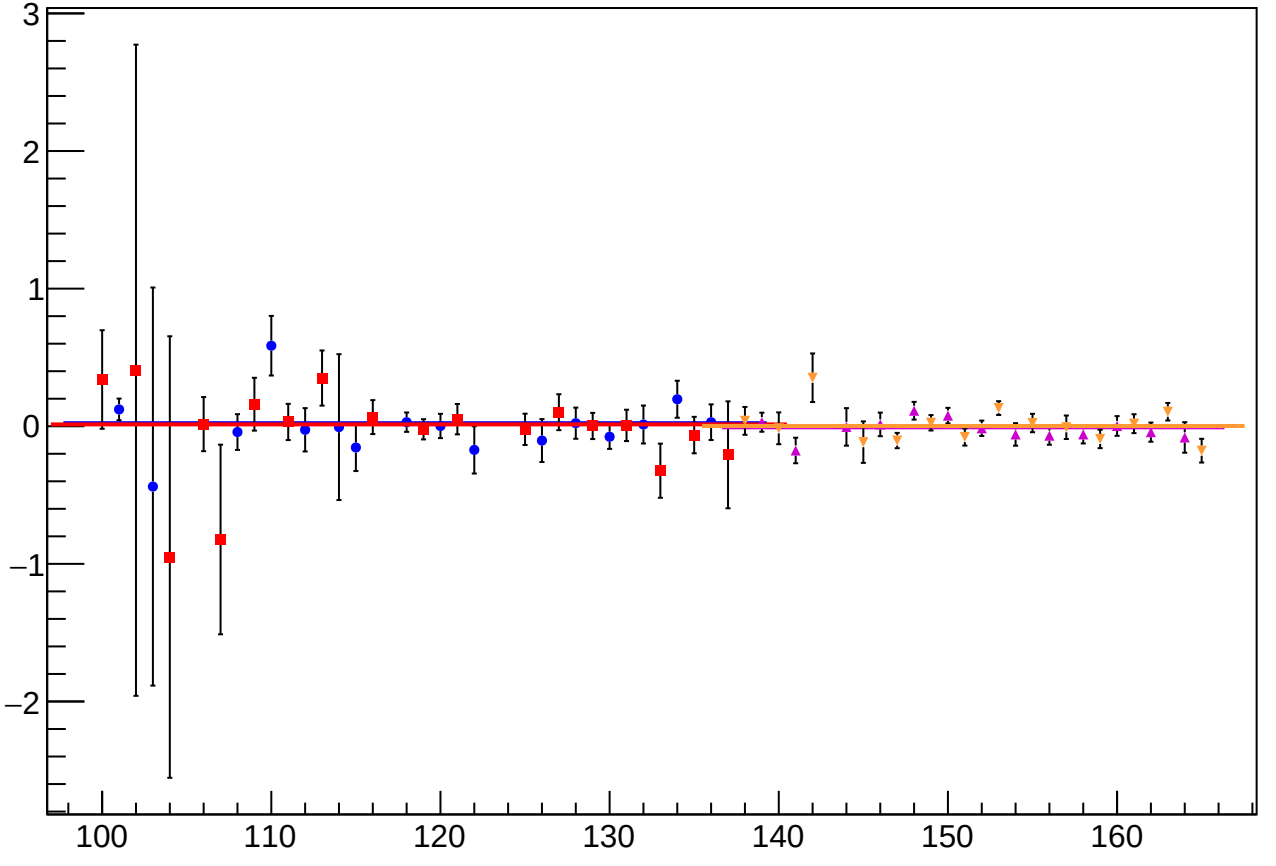
Left In: 59.808+/-0.014 χ^2/NDF:919758.4/12

+ sign 59.351+/-0.011 χ^2/NDF: 4115297.2/29

All: 61.209+/-0.008 χ^2/NDF: 8235499.2/60

- sign 63.313+/-0.012 χ^2/NDF: 4063892.6/30

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.002+/-0.019 χ^2/NDF:26.0/13

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

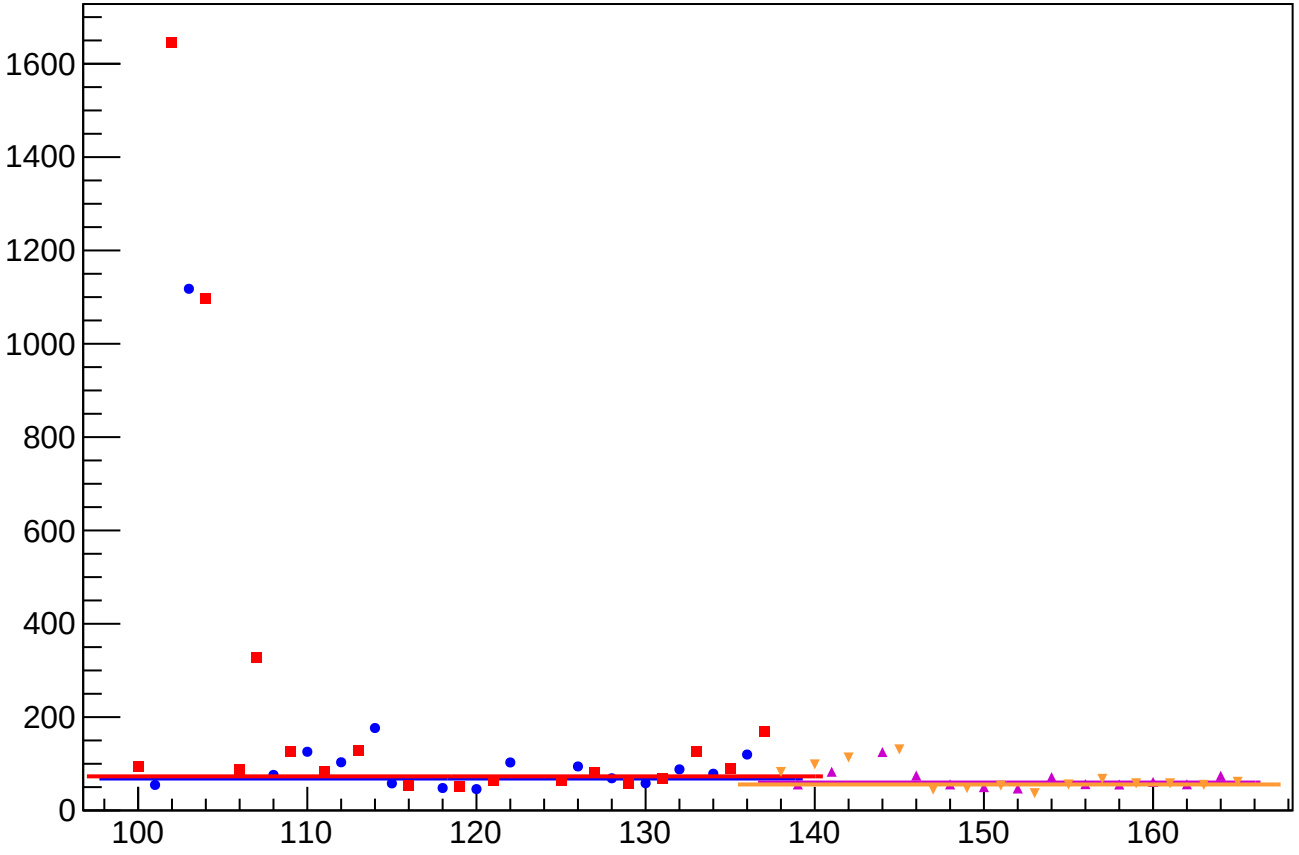
Left In: -0.008+/-0.020 χ^2/NDF:12.0/12

+ sign 0.008+/-0.016 χ^2/NDF: 41.1/29

All: 0.003+/-0.012 χ^2/NDF: 64.4/60

- sign -0.002+/-0.017 χ^2/NDF: 23.1/30

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.685+/-0.014 χ^2/NDF:1582620.1/13

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

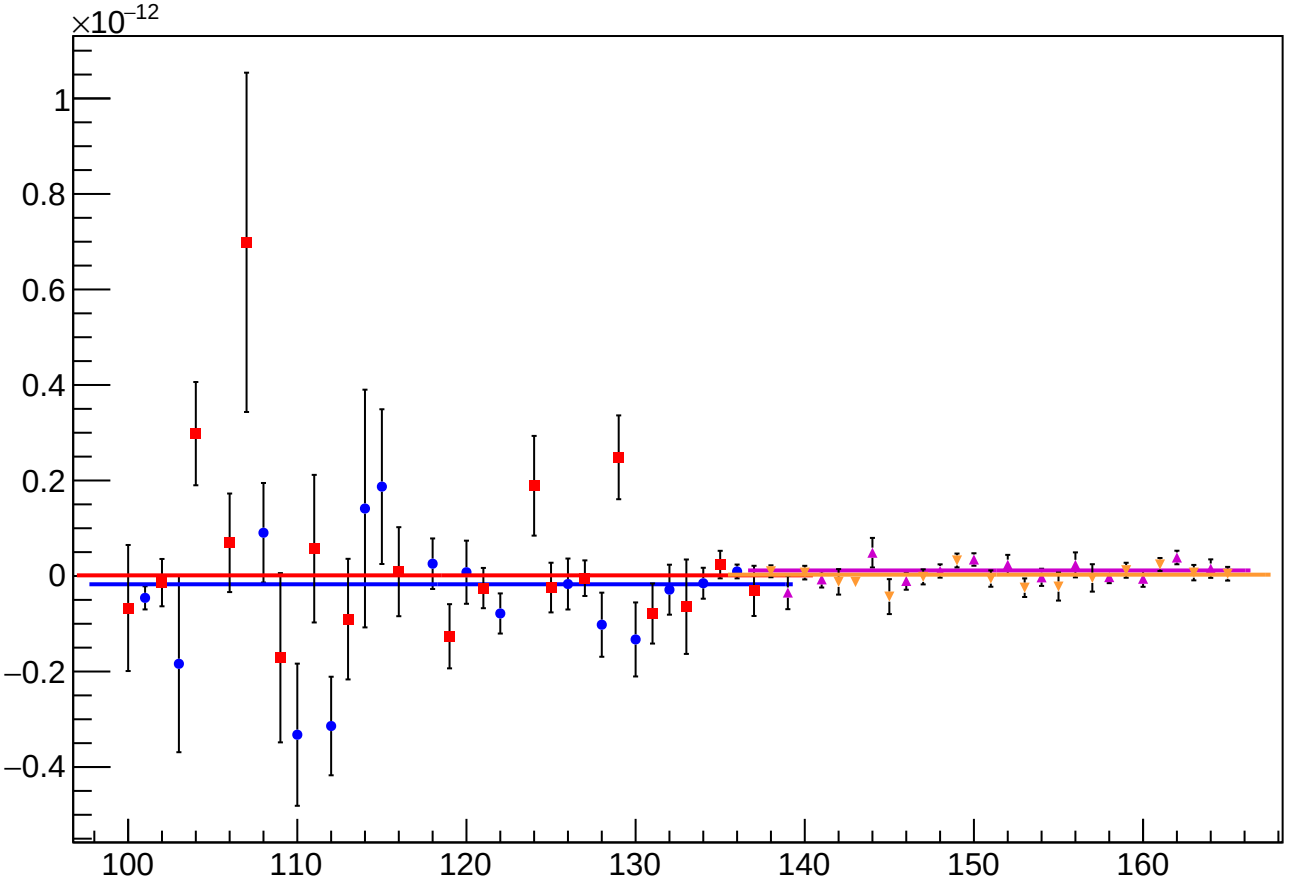
Left In: 59.808+/-0.014 χ^2/NDF:919758.4/12

+ sign 59.351+/-0.011 χ^2/NDF: 4115297.2/29

All: 61.209+/-0.008 χ^2/NDF: 8235499.2/60

- sign 63.313+/-0.012 χ^2/NDF: 4063892.6/30

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/14

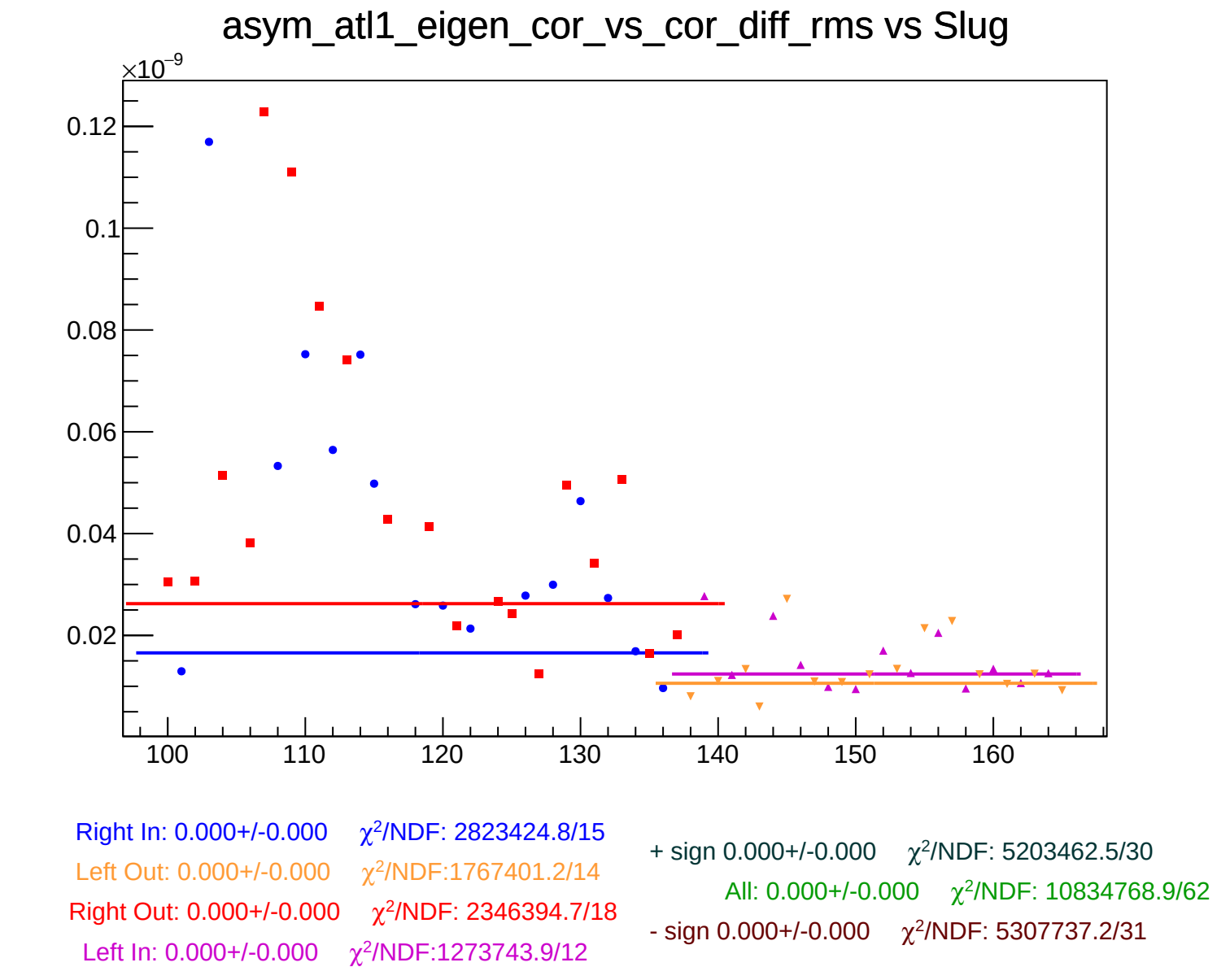
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:16.0/12

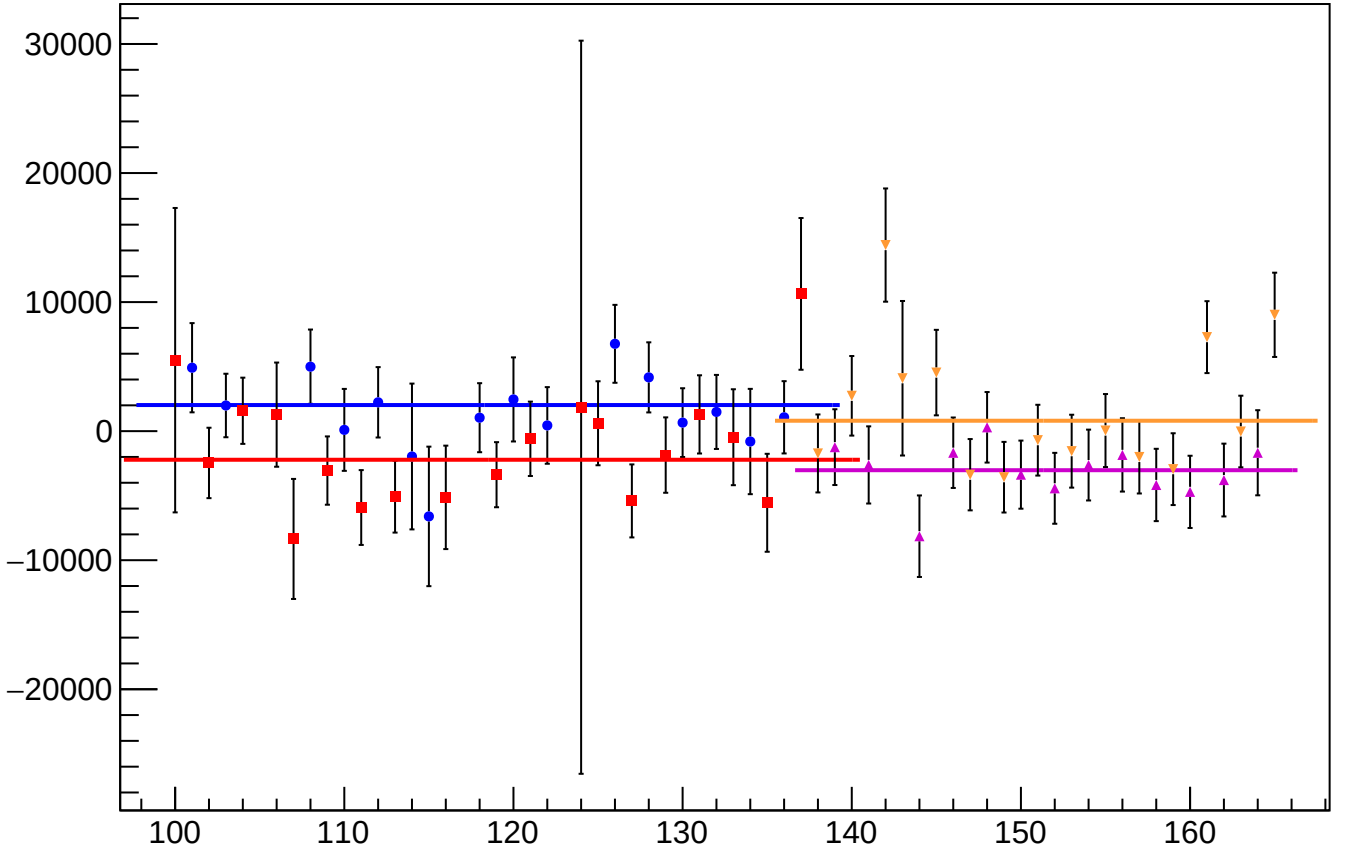
+ sign -0.000+/-0.000 χ^2/NDF: 47.0/30

All: 0.000+/-0.000 χ^2/NDF: 99.0/62

- sign 0.000+/-0.000 χ^2/NDF: 48.7/31


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2823424.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1767401.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:1273743.9/12
+ sign 0.000+/-0.000 χ²/NDF: 5203462.5/30
All: 0.000+/-0.000 χ²/NDF: 10834768.9/62
- sign 0.000+/-0.000 χ²/NDF: 5307737.2/31

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 806.705+/-780.805 χ^2/NDF:32.8/14

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

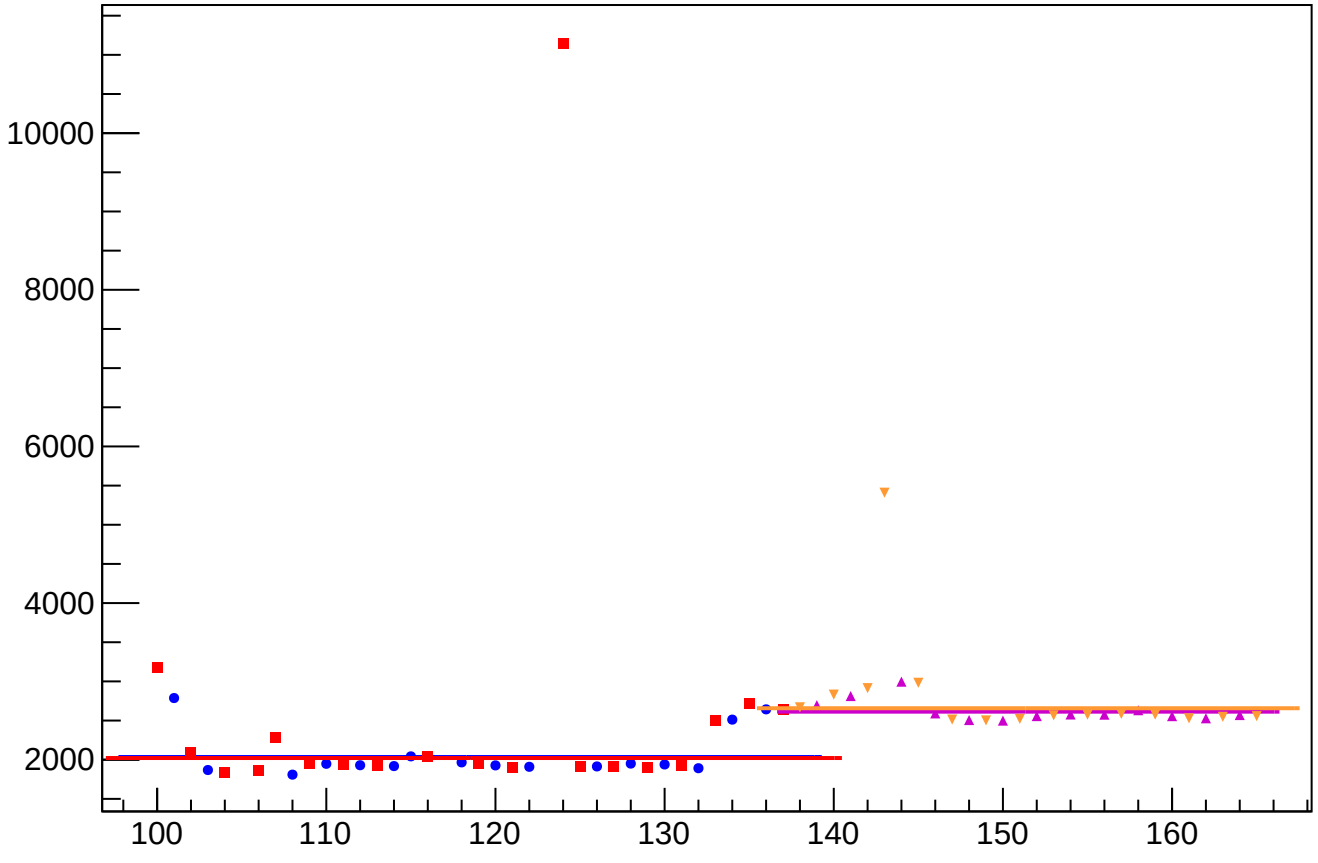
Left In: -3026.546+/-790.145 χ^2/NDF:6.0/12

+ sign 1427.640+/-546.204 χ^2/NDF: 43.7/30

All: -587.893+/-386.258 χ^2/NDF: 95.6/62

- sign -2604.115+/-546.298 χ^2/NDF: 24.7/31

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2657.320+/-0.552 χ^2/NDF:487905.5/14

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

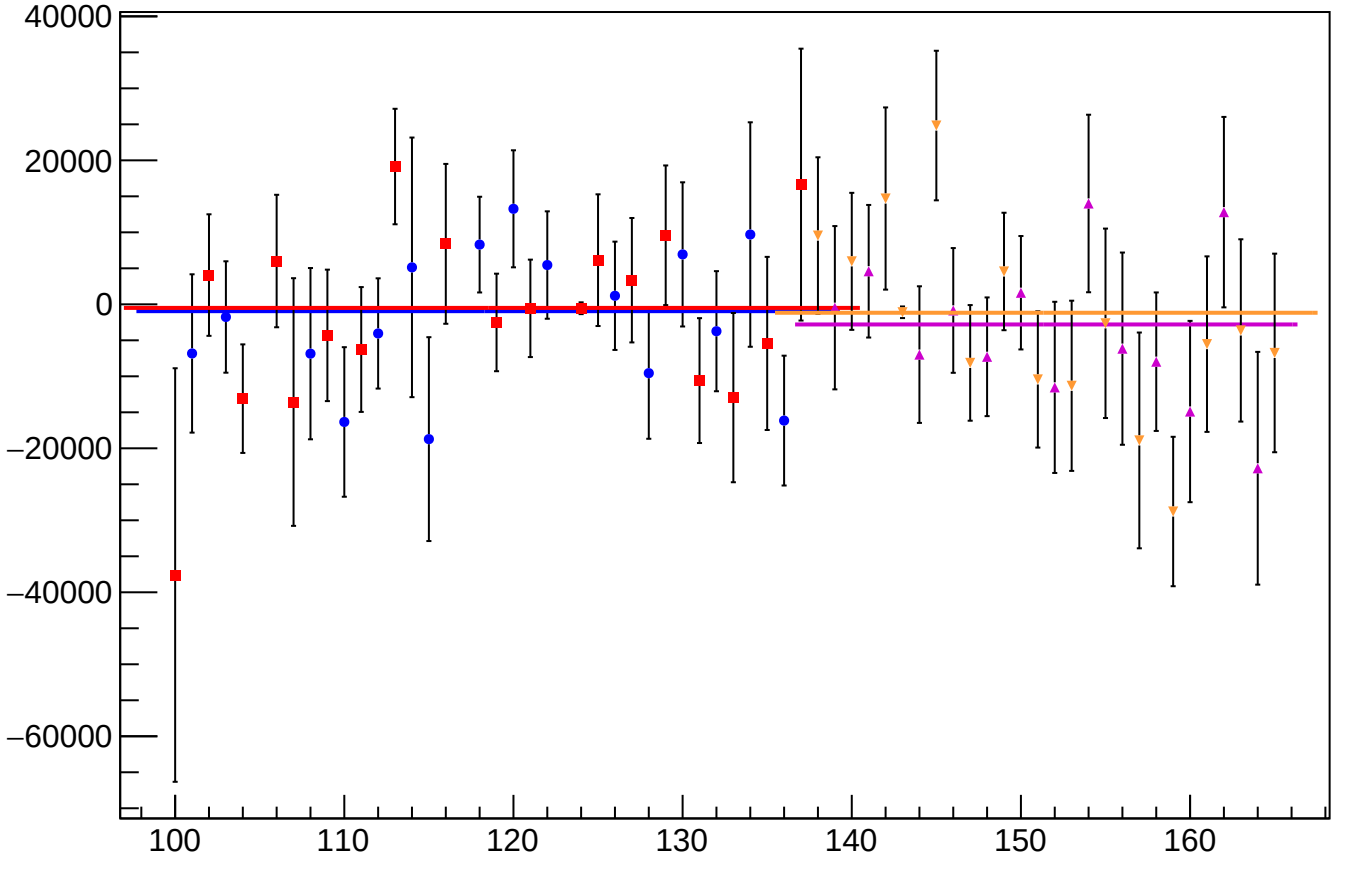
Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

+ sign 2339.107+/-0.386 χ^2/NDF: 1401390.1/30

All: 2321.859+/-0.273 χ^2/NDF: 2433529.7/62

- sign 2304.606+/-0.386 χ^2/NDF: 1028150.6/31

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1172.264+/-776.965 χ^2/NDF:21.1/14

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

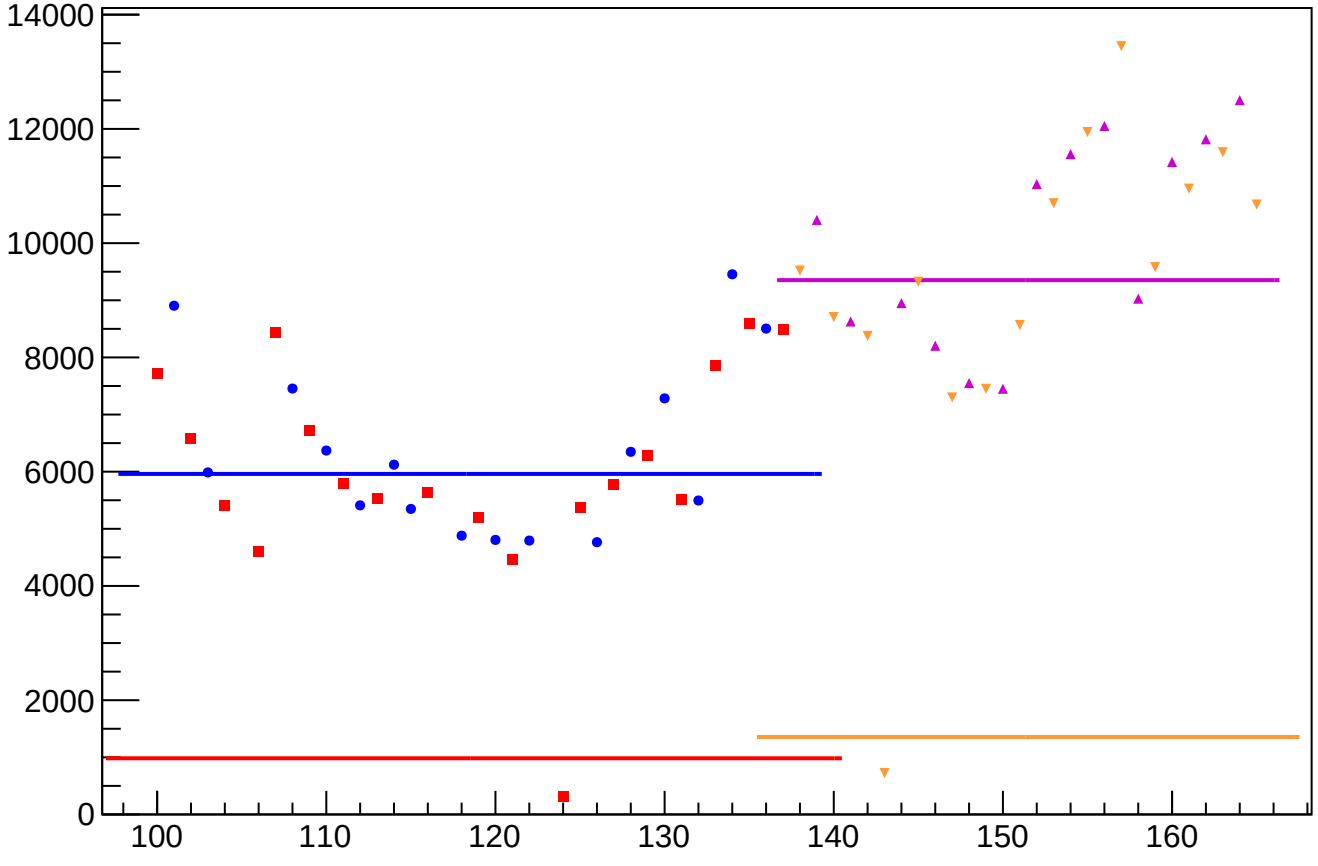
Left In: -2796.483+/-2877.804 χ^2/NDF:8.1/12

+ sign -1149.166+/-735.387 χ^2/NDF: 36.5/30

All: -902.068+/-522.420 χ^2/NDF: 63.9/62

- sign -650.310+/-742.289 χ^2/NDF: 27.2/31

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1355.454+/-0.549 χ^2/NDF:17270105.7/14

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

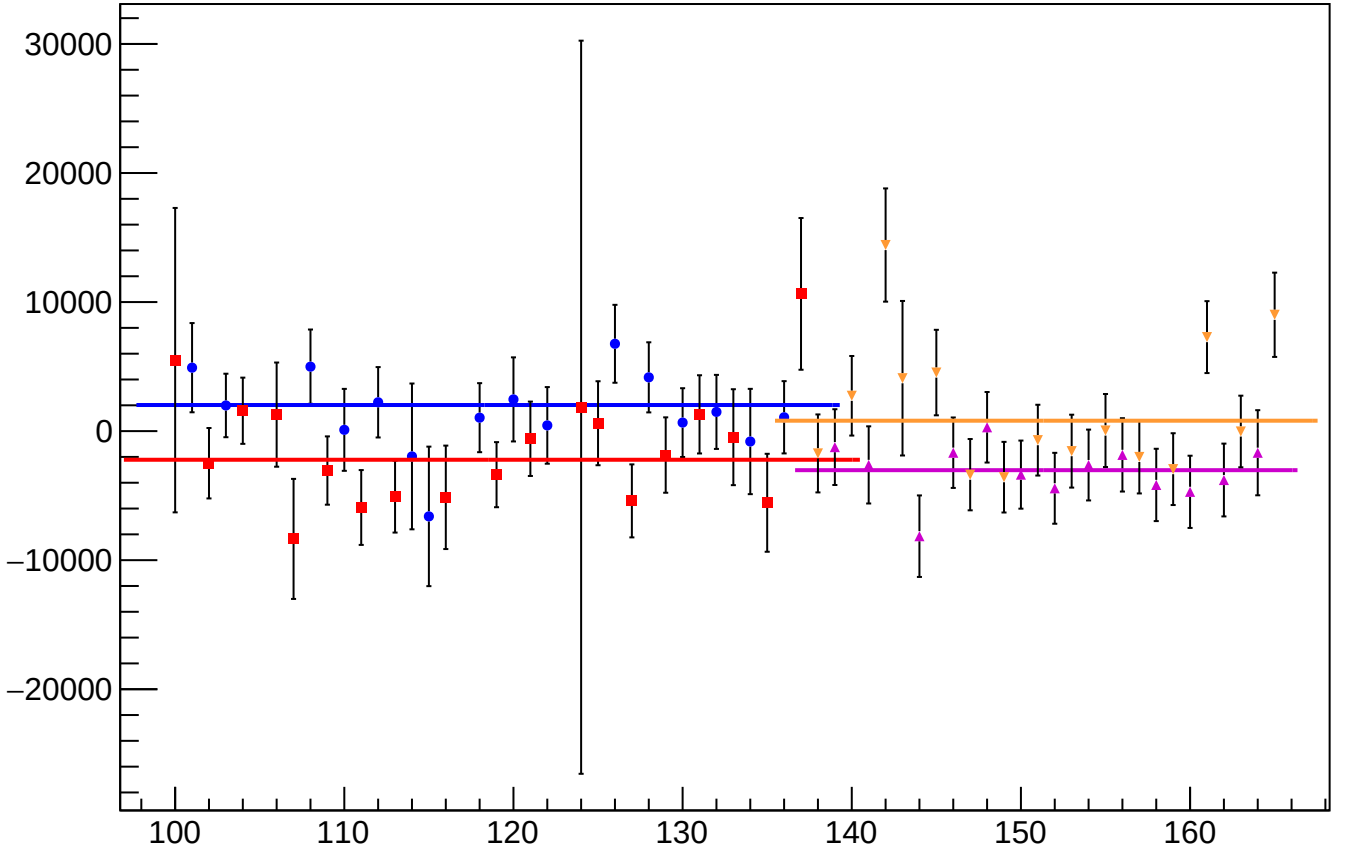
Left In: 9353.015+/-2.035 χ^2/NDF:667877.4/12

+ sign 1835.169+/-0.520 χ^2/NDF: 25278727.9/30

All: 1689.043+/-0.369 χ^2/NDF: 53314361.8/6

- sign 1540.161+/-0.525 χ^2/NDF: 27876206.8/31

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 806.825+/-780.805 χ^2/NDF:32.8/14

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

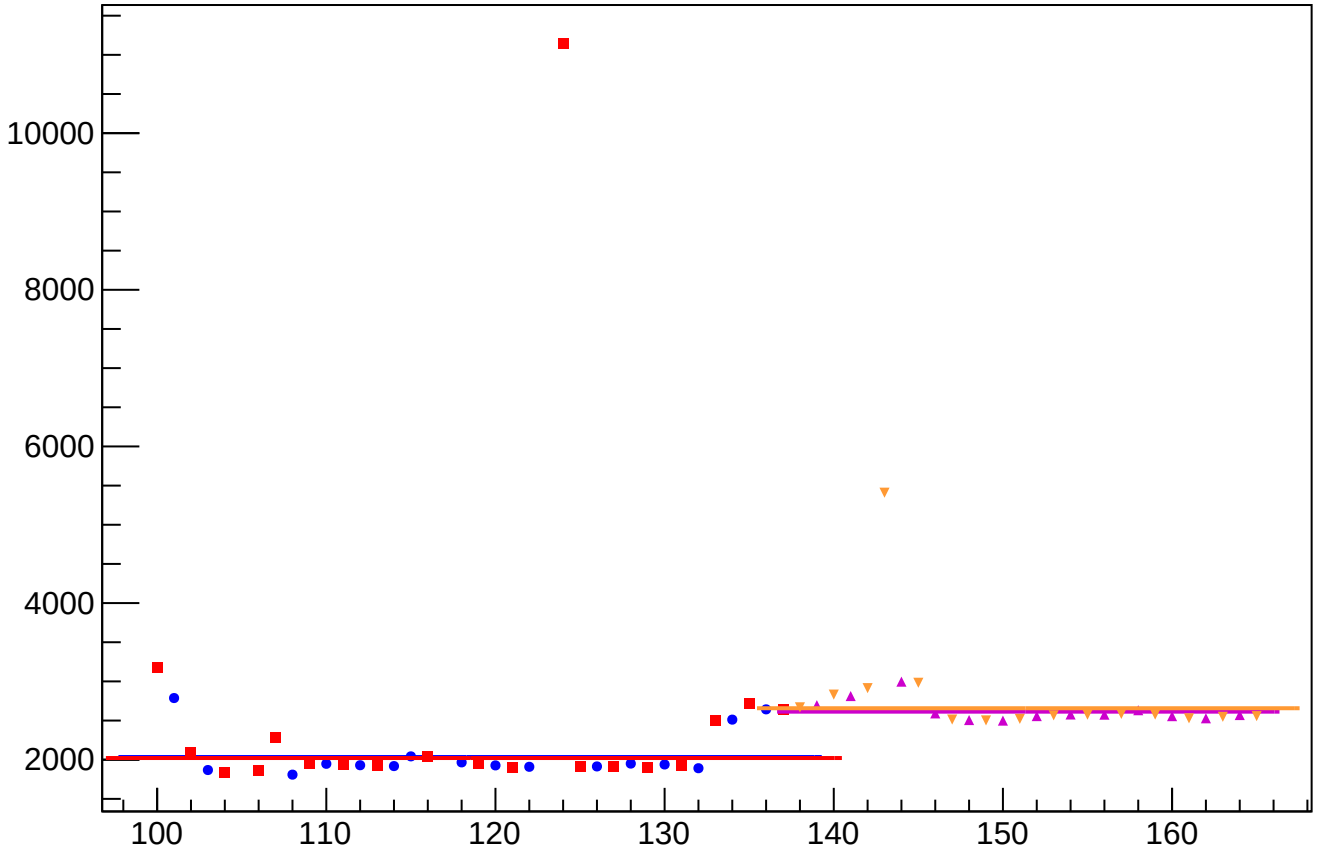
Left In: -3026.688+/-790.145 χ^2/NDF:6.0/12

+ sign 1427.763+/-546.204 χ^2/NDF: 43.7/30

All: -588.337+/-386.259 χ^2/NDF: 95.6/62

- sign -2605.146+/-546.300 χ^2/NDF: 24.7/31

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2657.320+/-0.552 χ^2/NDF:487905.5/14

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

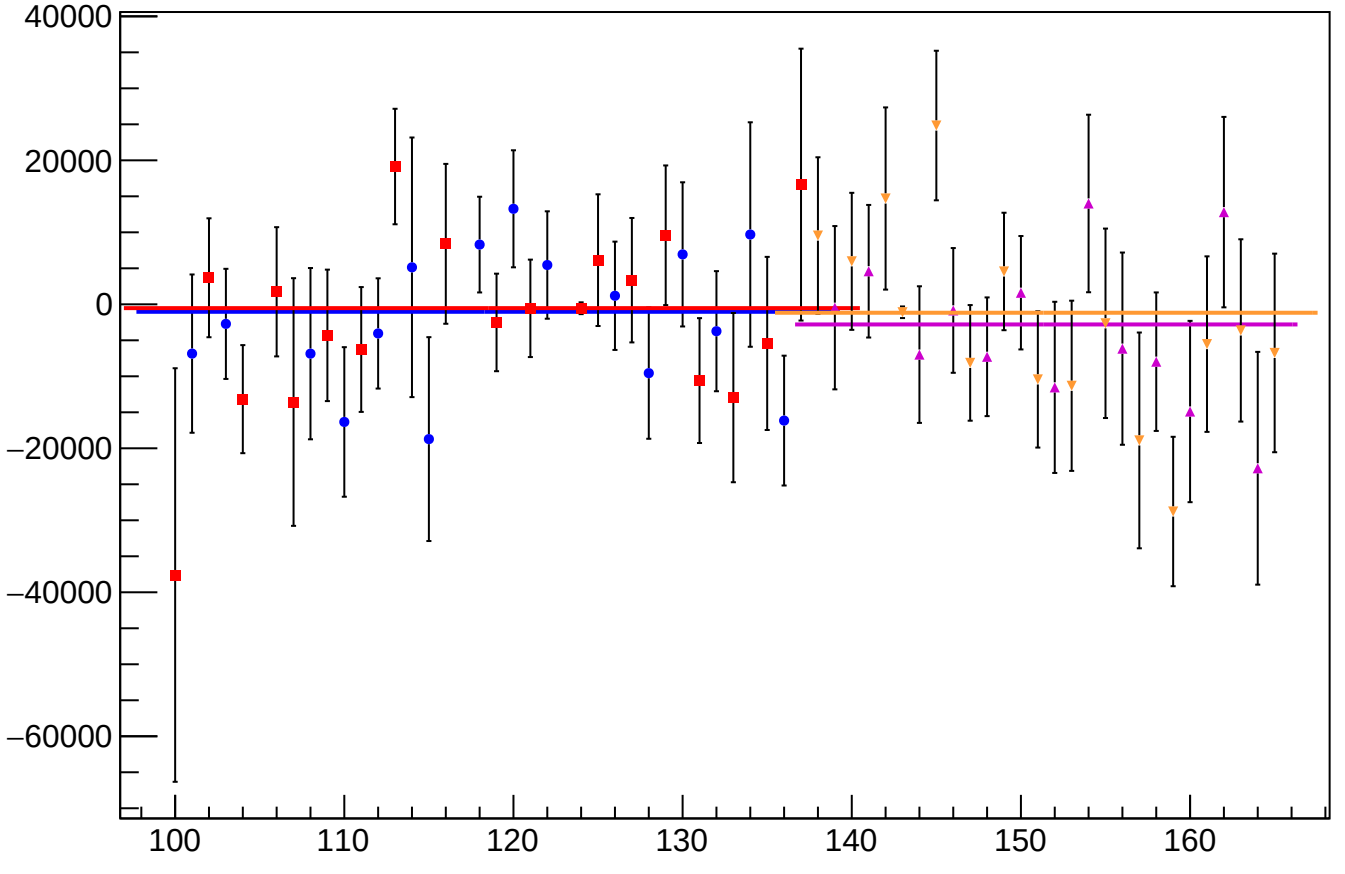
Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

+ sign 2339.107+/-0.386 χ^2/NDF: 1401390.3/30

All: 2321.867+/-0.273 χ^2/NDF: 2433490.0/62

- sign 2304.621+/-0.386 χ^2/NDF: 1028114.1/31

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1172.012+/-776.896 χ^2/NDF:21.1/14

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

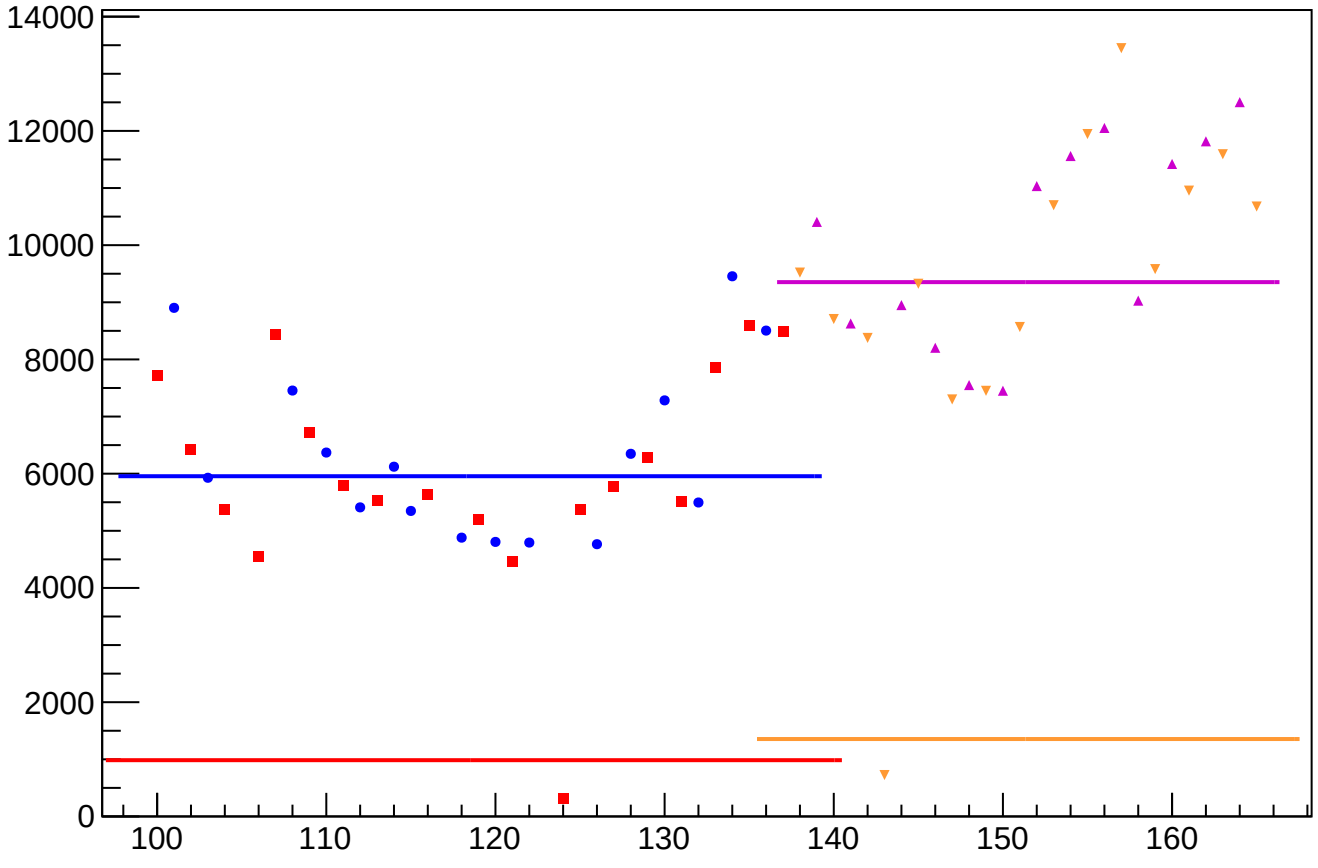
Left In: -2796.648+/-2877.801 χ^2/NDF:8.1/12

+ sign -1158.023+/-735.248 χ^2/NDF: 36.5/30

All: -921.833+/-522.264 χ^2/NDF: 63.5/62

- sign -681.296+/-741.983 χ^2/NDF: 26.7/31

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1355.277+/-0.549 χ^2/NDF:17270603.6/14

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

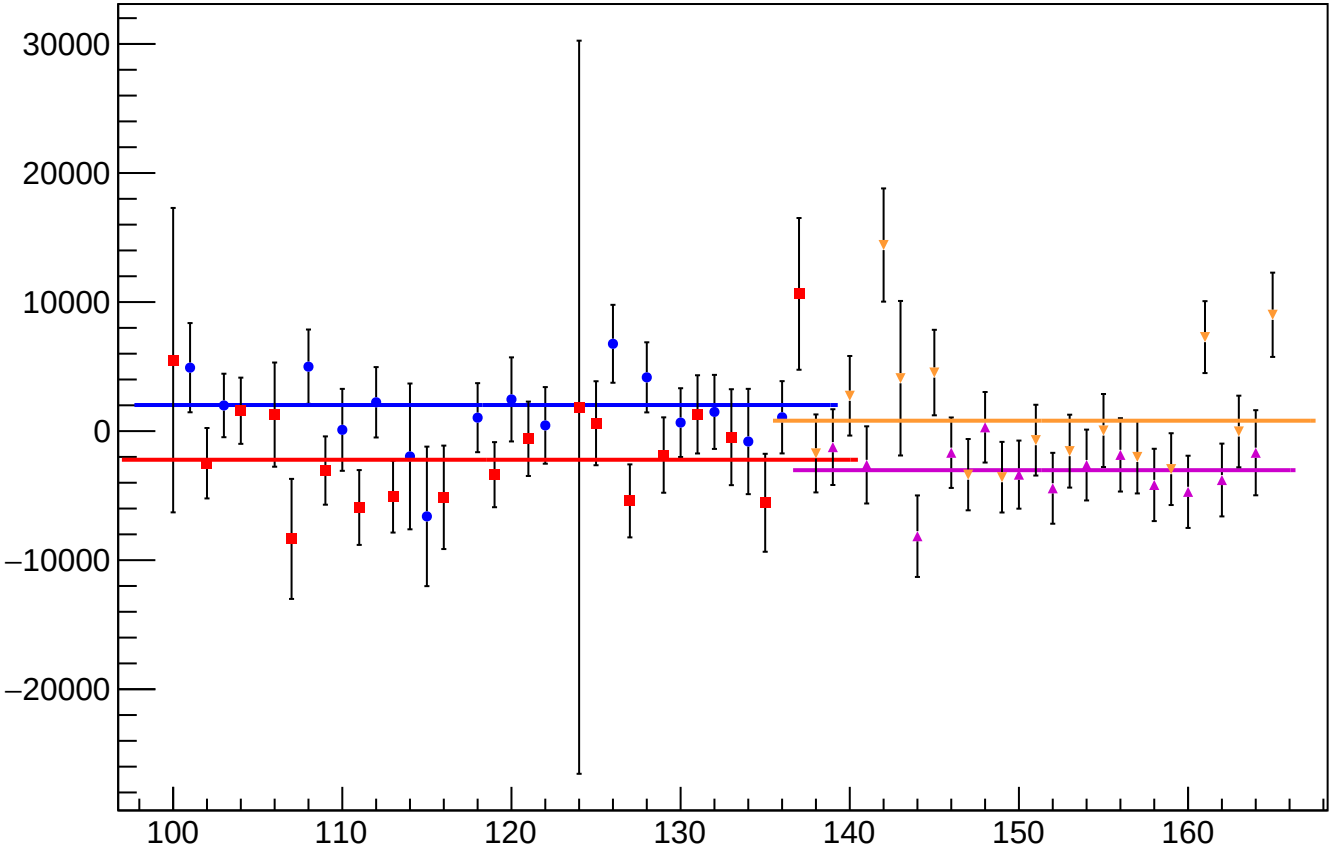
Left In: 9353.006+/-2.035 χ^2/NDF:667883.3/12

+ sign 1835.283+/-0.520 χ^2/NDF: 25276915.6/30

All: 1689.639+/-0.369 χ^2/NDF: 53302080.0/6

- sign 1541.315+/-0.525 χ^2/NDF: 27866764.5/31

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 806.825+/-780.805 χ^2/NDF:32.8/14

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

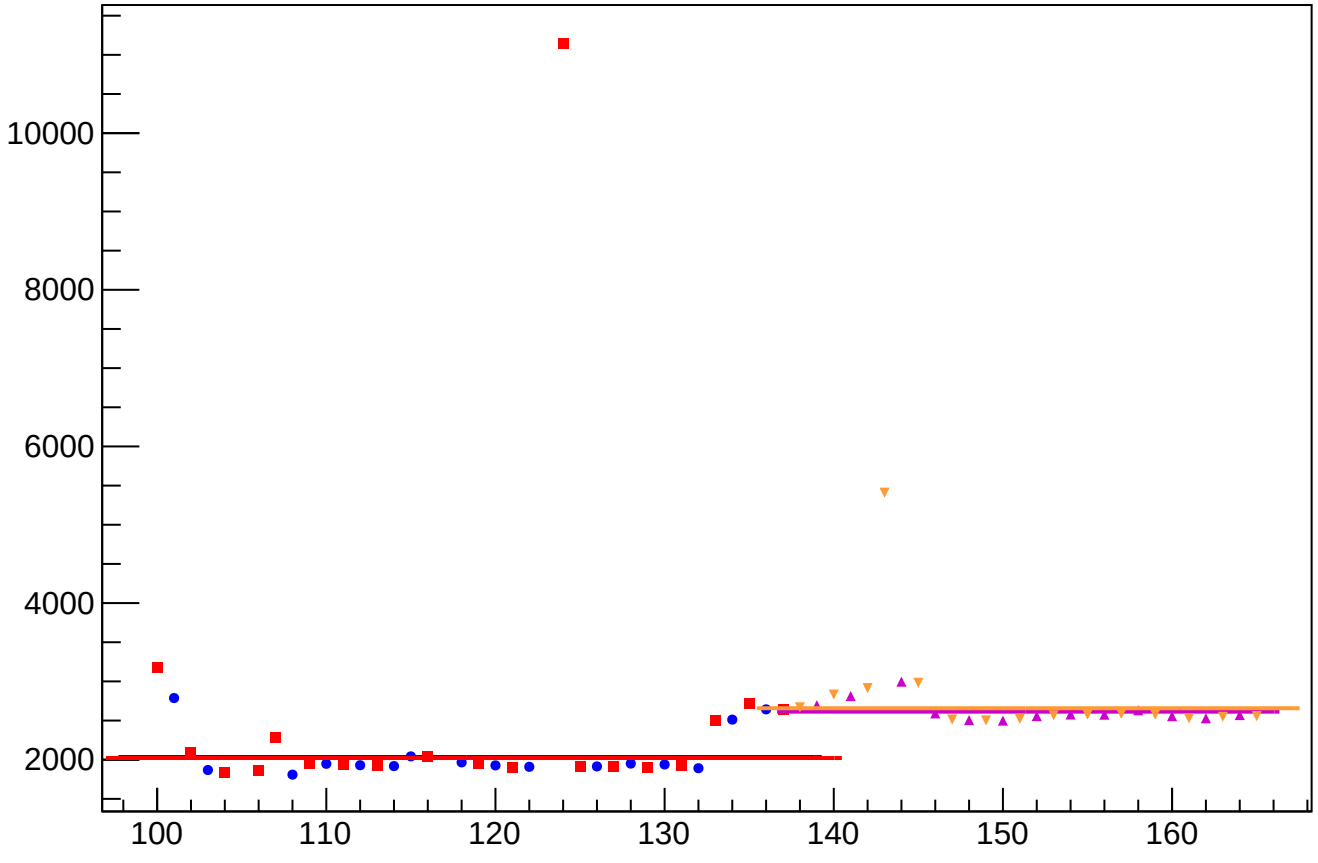
Left In: -3026.688+/-790.145 χ^2/NDF:6.0/12

+ sign 1427.763+/-546.204 χ^2/NDF: 43.7/30

All: -588.337+/-386.259 χ^2/NDF: 95.6/62

- sign -2605.146+/-546.300 χ^2/NDF: 24.7/31

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2657.320+/-0.552 χ^2/NDF:487905.5/14

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

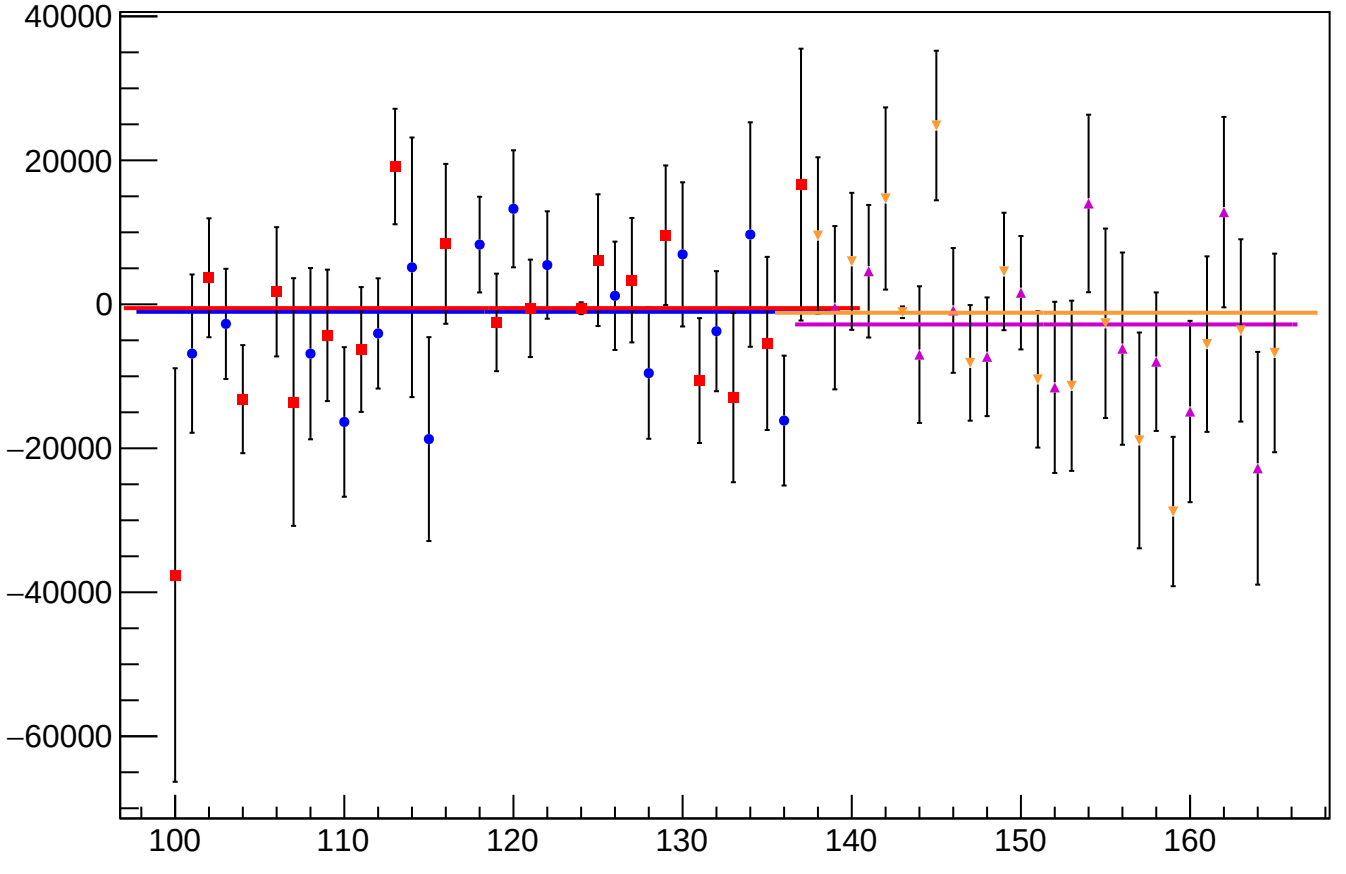
Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

+ sign 2339.107+/-0.386 χ^2/NDF: 1401390.3/30

All: 2321.867+/-0.273 χ^2/NDF: 2433490.0/62

- sign 2304.621+/-0.386 χ^2/NDF: 1028114.1/31

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1172.012+/-776.896 χ^2/NDF:21.1/14

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

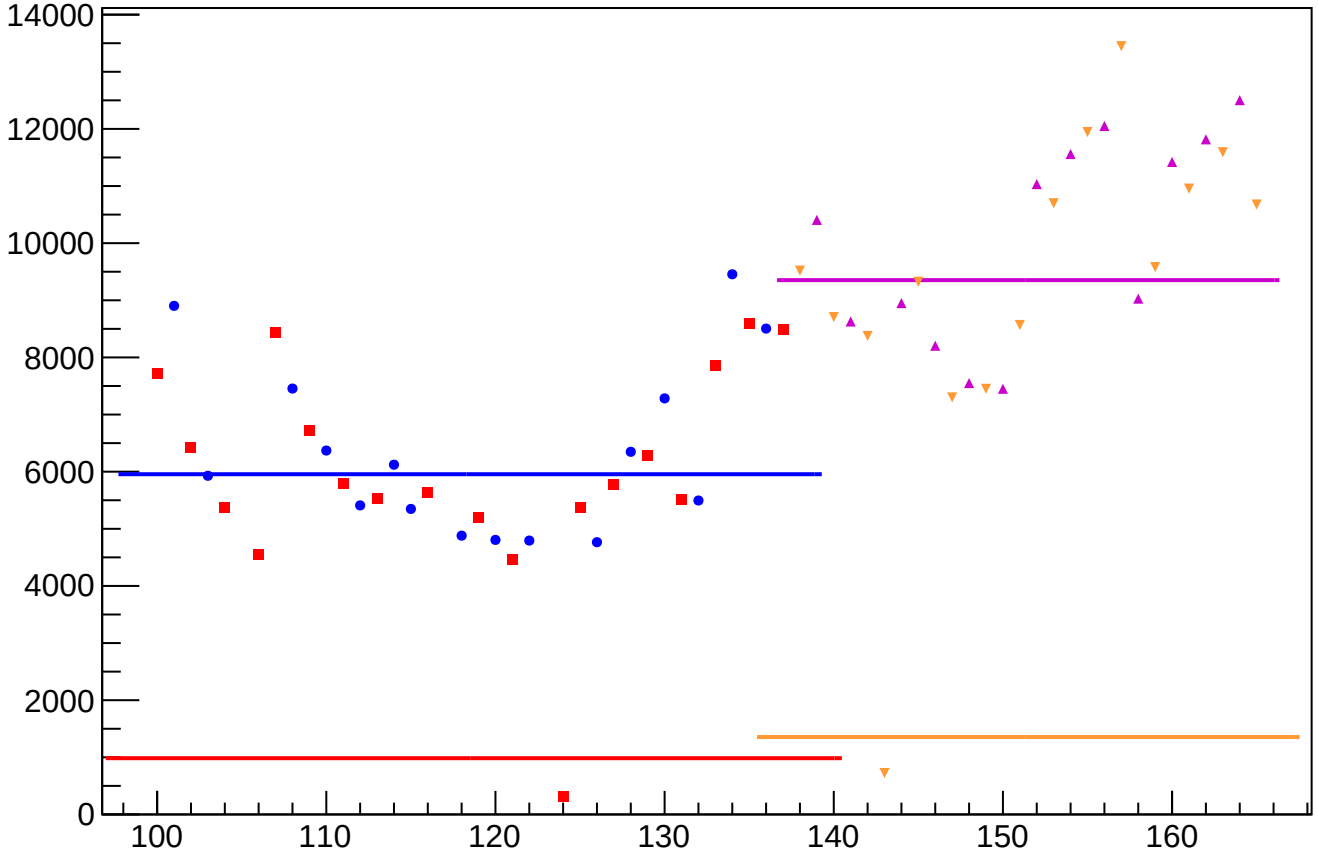
Left In: -2796.648+/-2877.801 χ^2/NDF:8.1/12

+ sign -1158.023+/-735.248 χ^2/NDF: 36.5/30

All: -921.833+/-522.264 χ^2/NDF: 63.5/62

- sign -681.296+/-741.983 χ^2/NDF: 26.7/31

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1355.277+/-0.549 χ^2/NDF:17270603.6/14

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

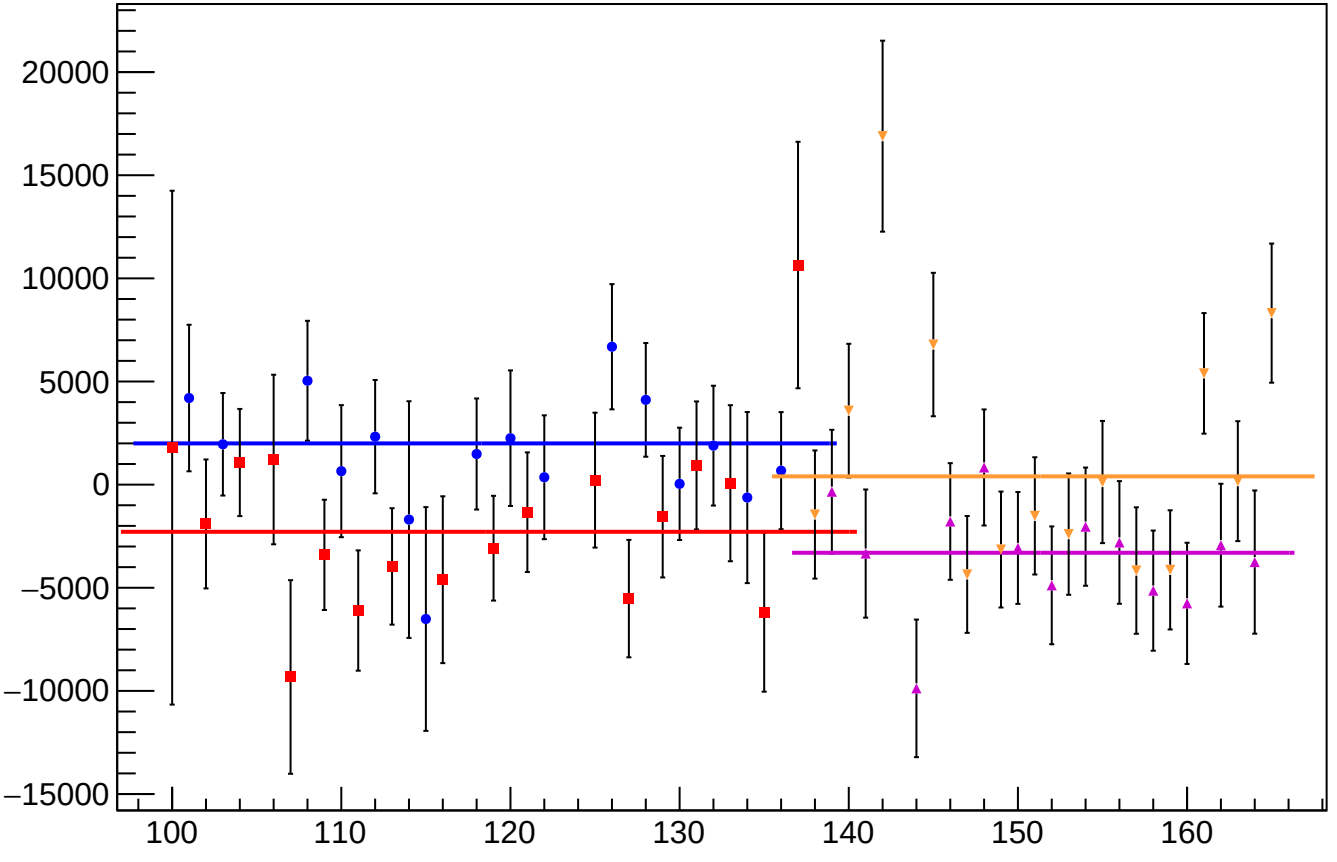
Left In: 9353.006+/-2.035 χ^2/NDF:667883.3/12

+ sign 1835.283+/-0.520 χ^2/NDF: 25276915.6/30

All: 1689.639+/-0.369 χ^2/NDF: 53302080.0/6

- sign 1541.315+/-0.525 χ^2/NDF: 27866764.5/31

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 400.882+/-821.351 χ^2/NDF:36.3/13

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

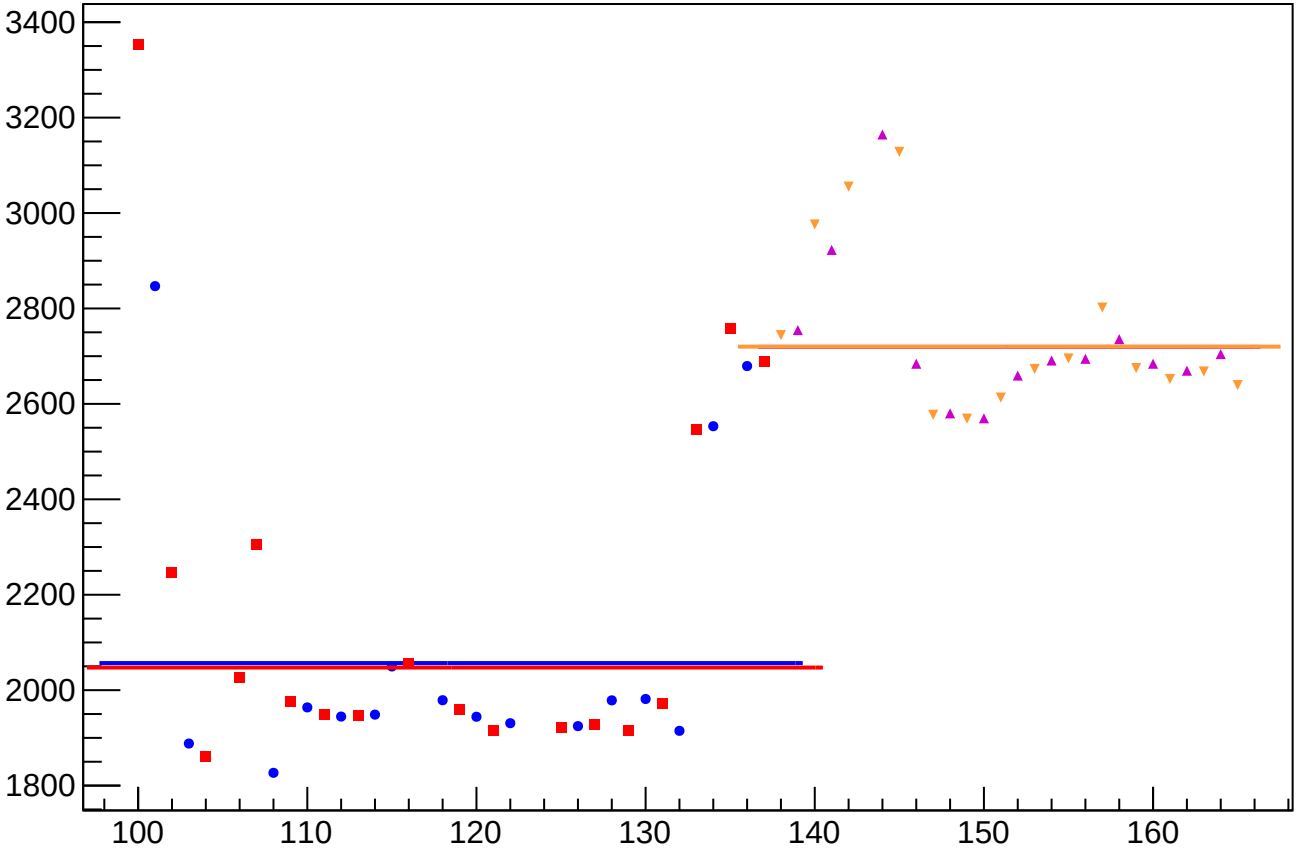
Left In: -3303.988+/-822.323 χ^2/NDF:9.0/12

+ sign 1247.922+/-563.119 χ^2/NDF: 47.3/29

All: -759.203+/-397.989 χ^2/NDF: 99.1/60

- sign -2762.380+/-562.564 χ^2/NDF: 26.4/30

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2720.008+/-0.581 χ^2/NDF:69757.0/13

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

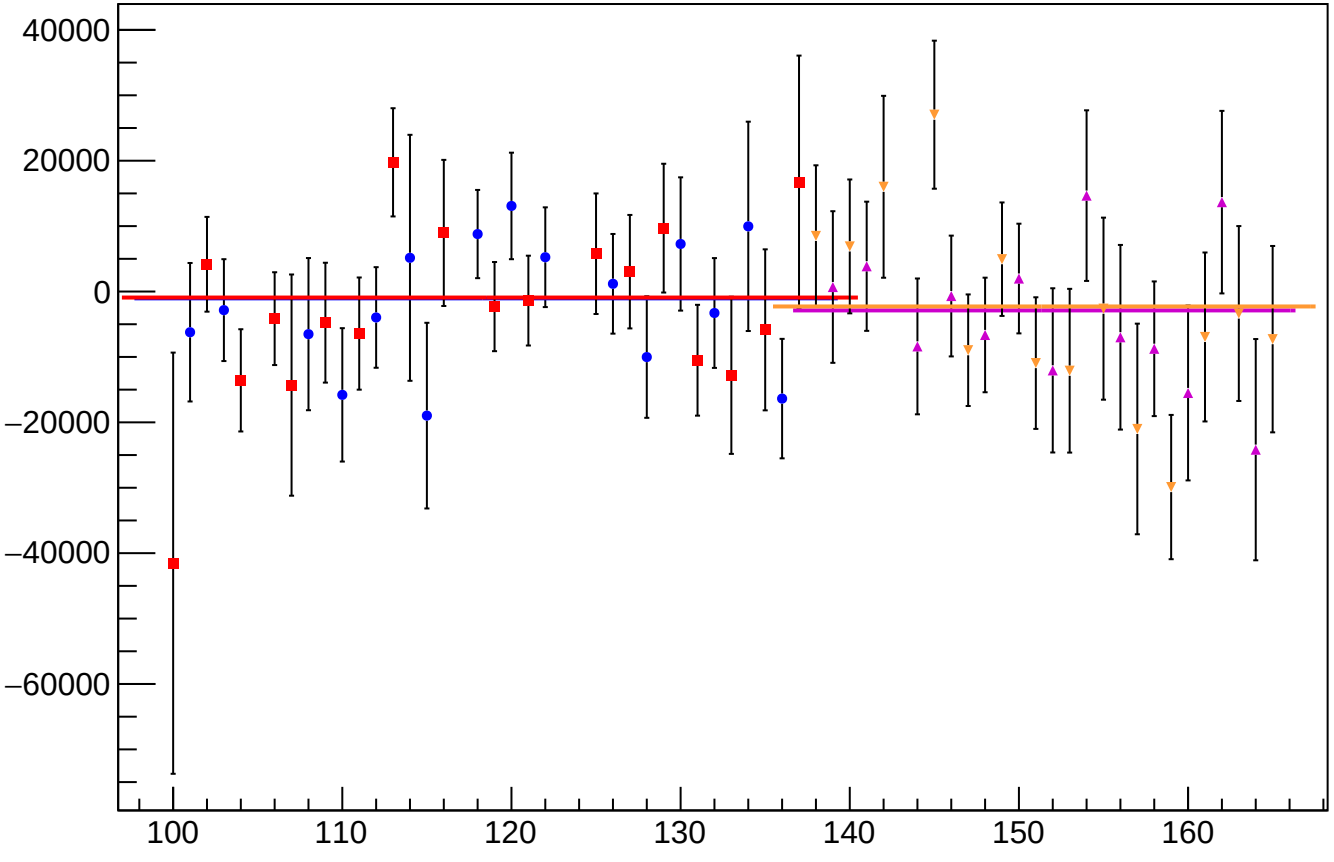
Left In: 2719.441+/-0.581 χ^2/NDF:57940.2/12

+ sign 2368.537+/-0.398 χ^2/NDF: 1031270.3/29

All: 2364.972+/-0.281 χ^2/NDF: 1997515.0/60

- sign 2361.420+/-0.397 χ^2/NDF: 966084.7/30

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -2283.755+/-3040.681 χ^2/NDF:20.8/13

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

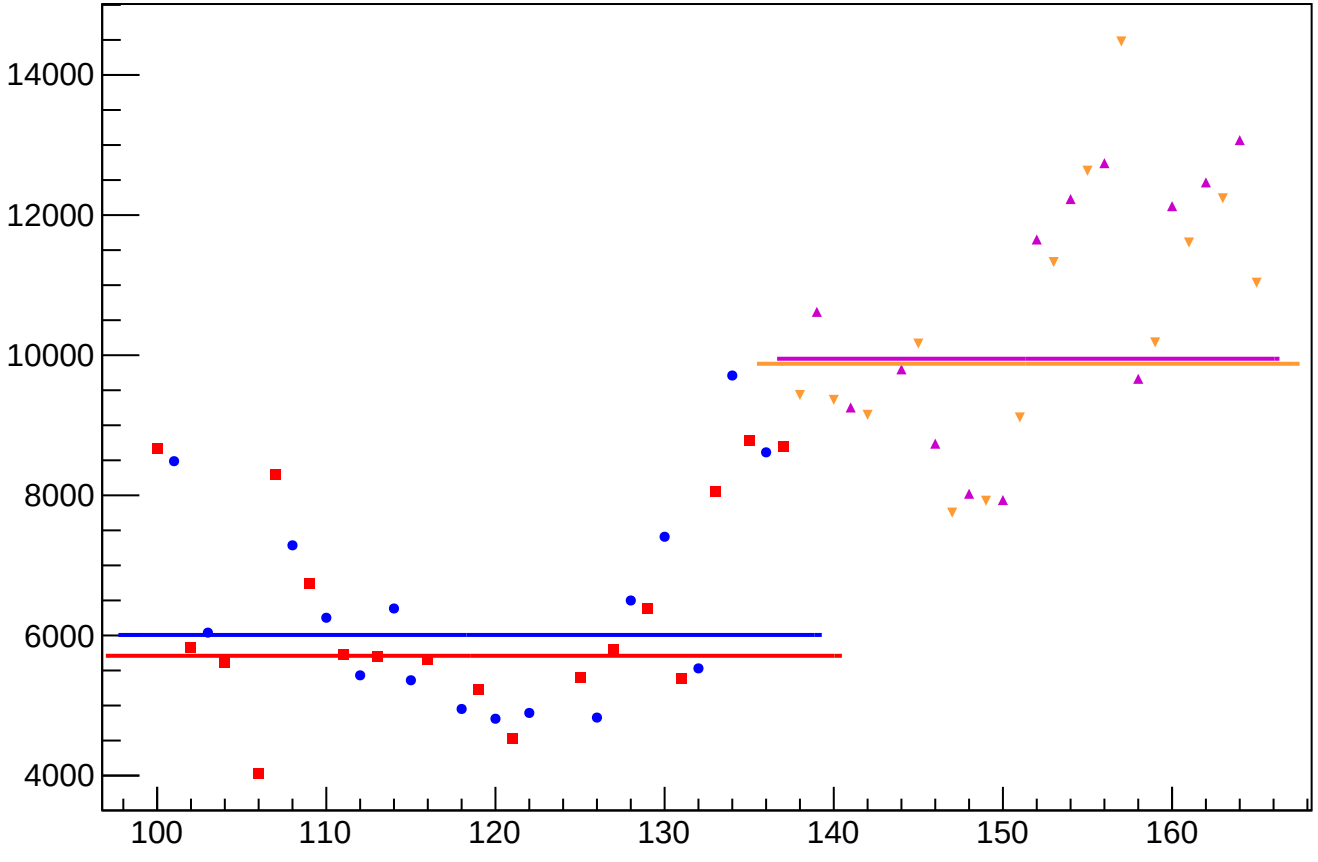
Left In: -2886.485+/-3059.022 χ^2/NDF:8.1/12

+ sign -1492.892+/-1831.602 χ^2/NDF: 36.2/29

All: -1533.176+/-1268.875 χ^2/NDF: 62.9/60

- sign -1570.351+/-1759.489 χ^2/NDF: 26.7/30

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9877.919+/-2.150 χ^2/NDF:634278.0/13

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

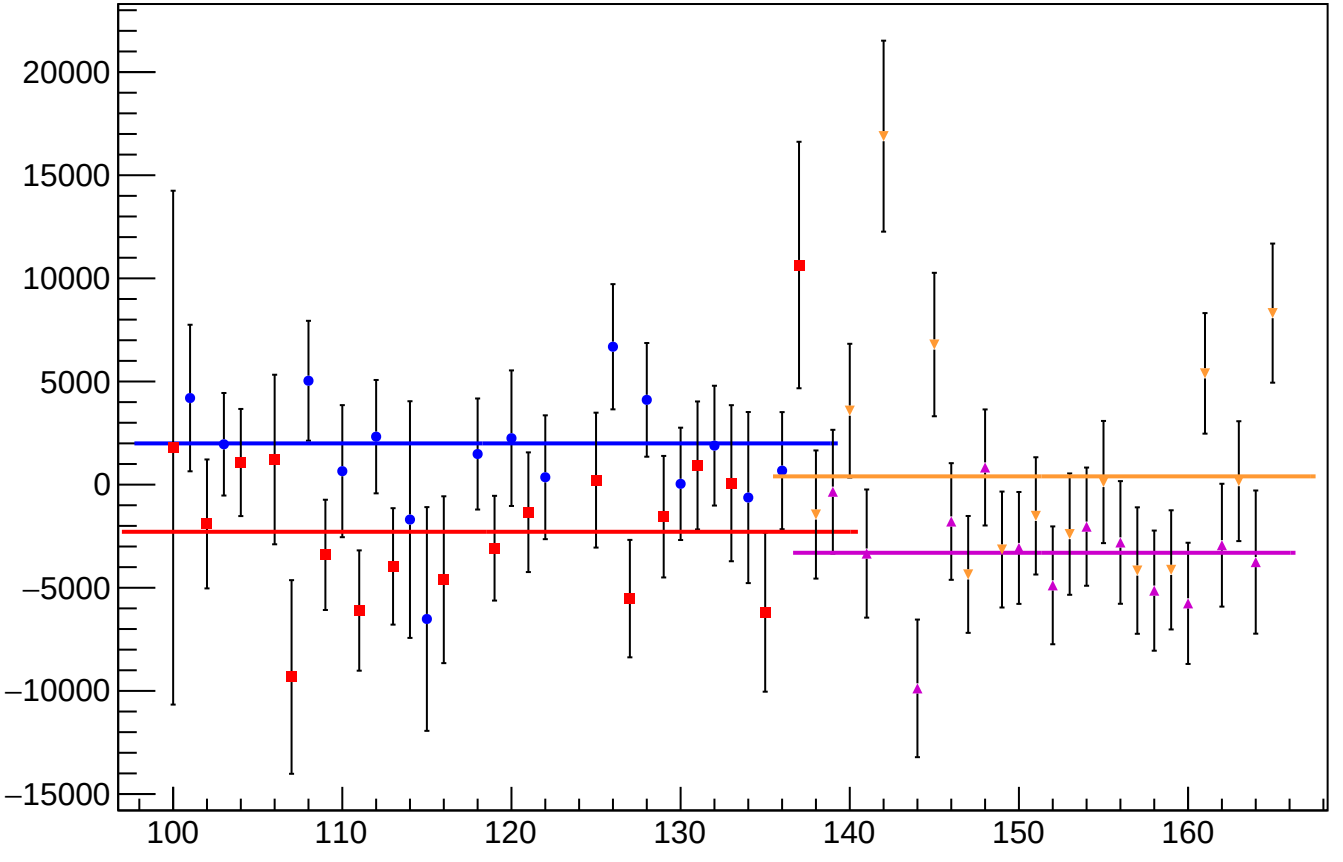
Left In: 9949.631+/-2.163 χ^2/NDF:627819.3/12

+ sign 7411.812+/-1.295 χ^2/NDF: 3353020.2/29

All: 7256.170+/-0.897 χ^2/NDF: 7115378.9/60

- sign 7112.542+/-1.244 χ^2/NDF: 3734589.9/30

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 400.871+/-821.352 χ^2/NDF:36.3/13

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

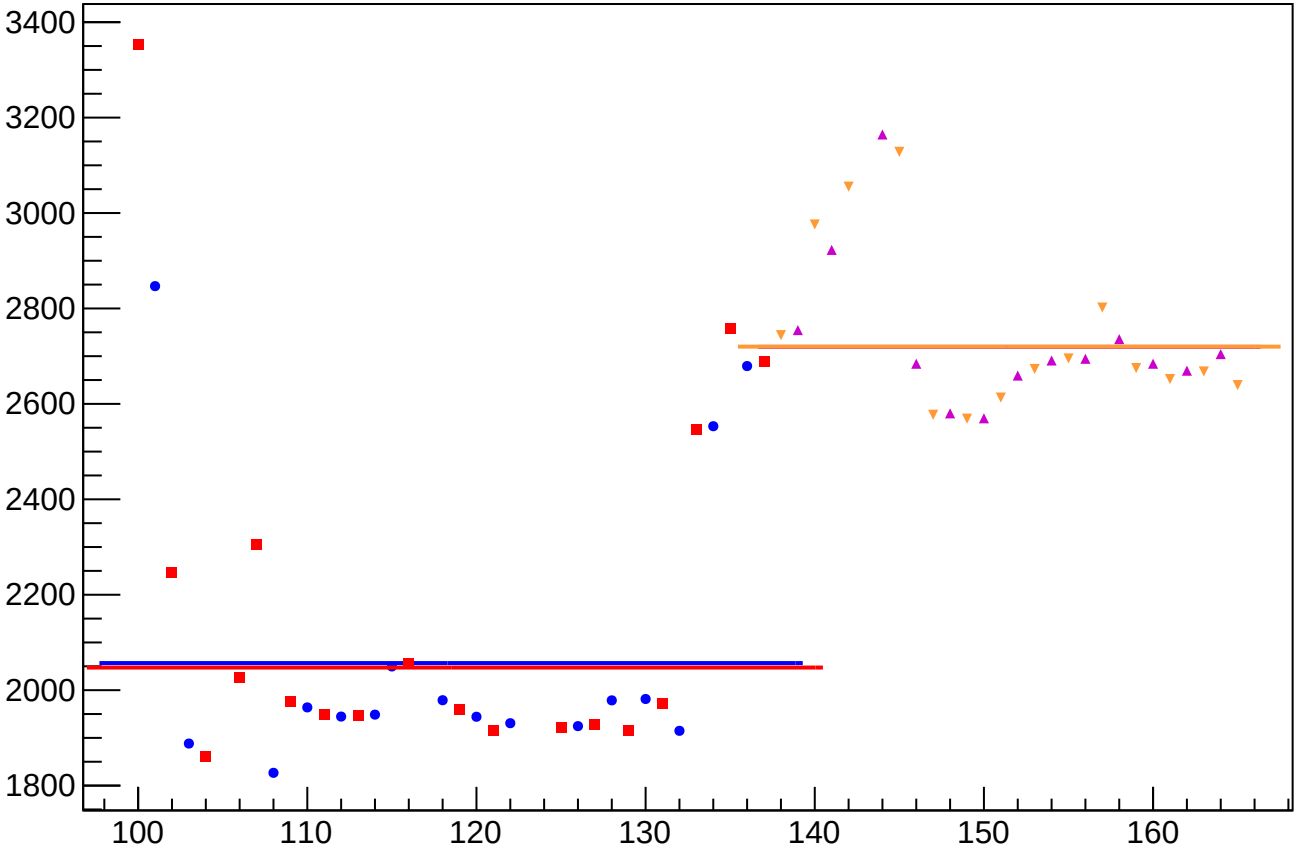
Left In: -3303.990+/-822.324 χ^2/NDF:9.0/12

+ sign 1247.920+/-563.119 χ^2/NDF: 47.3/29

All: -759.206+/-397.989 χ^2/NDF: 99.1/60

- sign -2762.382+/-562.565 χ^2/NDF: 26.4/30

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2720.011+/-0.581 χ^2/NDF:69758.2/13

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

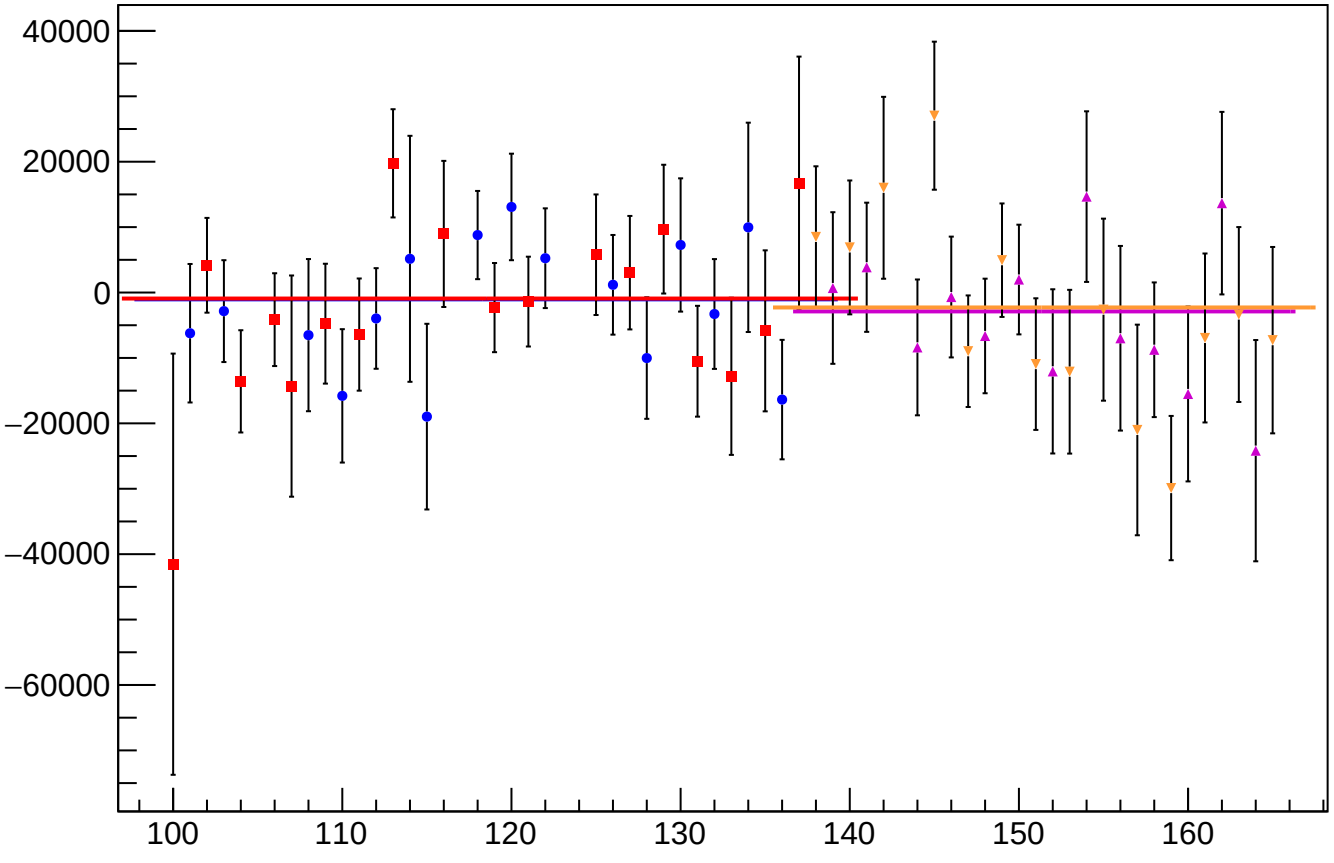
Left In: 2719.444+/-0.581 χ^2/NDF:57940.7/12

+ sign 2368.538+/-0.398 χ^2/NDF: 1031276.7/29

All: 2364.973+/-0.281 χ^2/NDF: 1997528.3/60

- sign 2361.421+/-0.397 χ^2/NDF: 966091.5/30

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -2283.767+/-3040.685 χ^2/NDF:20.8/13

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

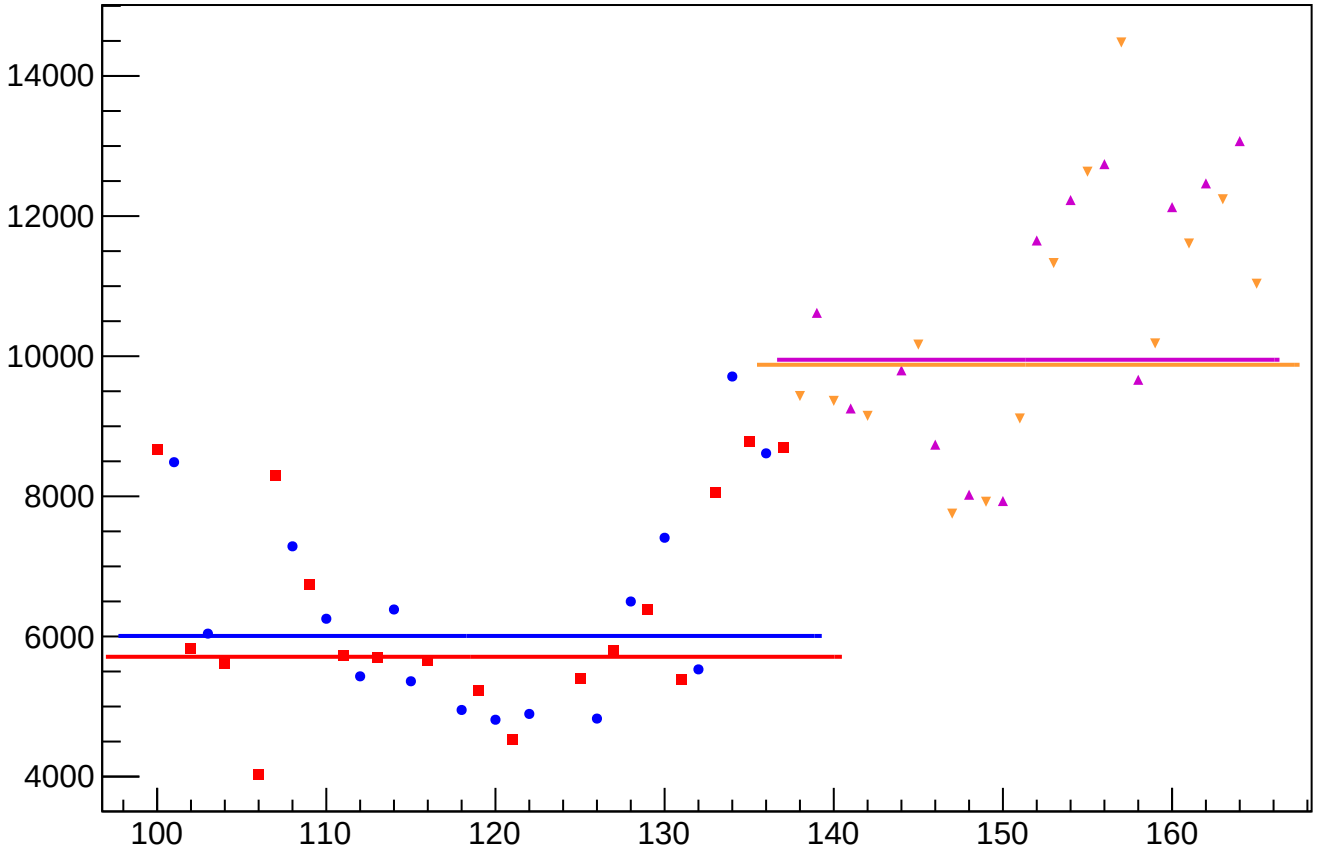
Left In: -2886.485+/-3059.026 χ^2/NDF:8.1/12

+ sign -1492.886+/-1831.599 χ^2/NDF: 36.2/29

All: -1533.173+/-1268.873 χ^2/NDF: 62.9/60

- sign -1570.350+/-1759.487 χ^2/NDF: 26.7/30

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9877.932+/-2.150 χ^2/NDF:634281.2/13

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

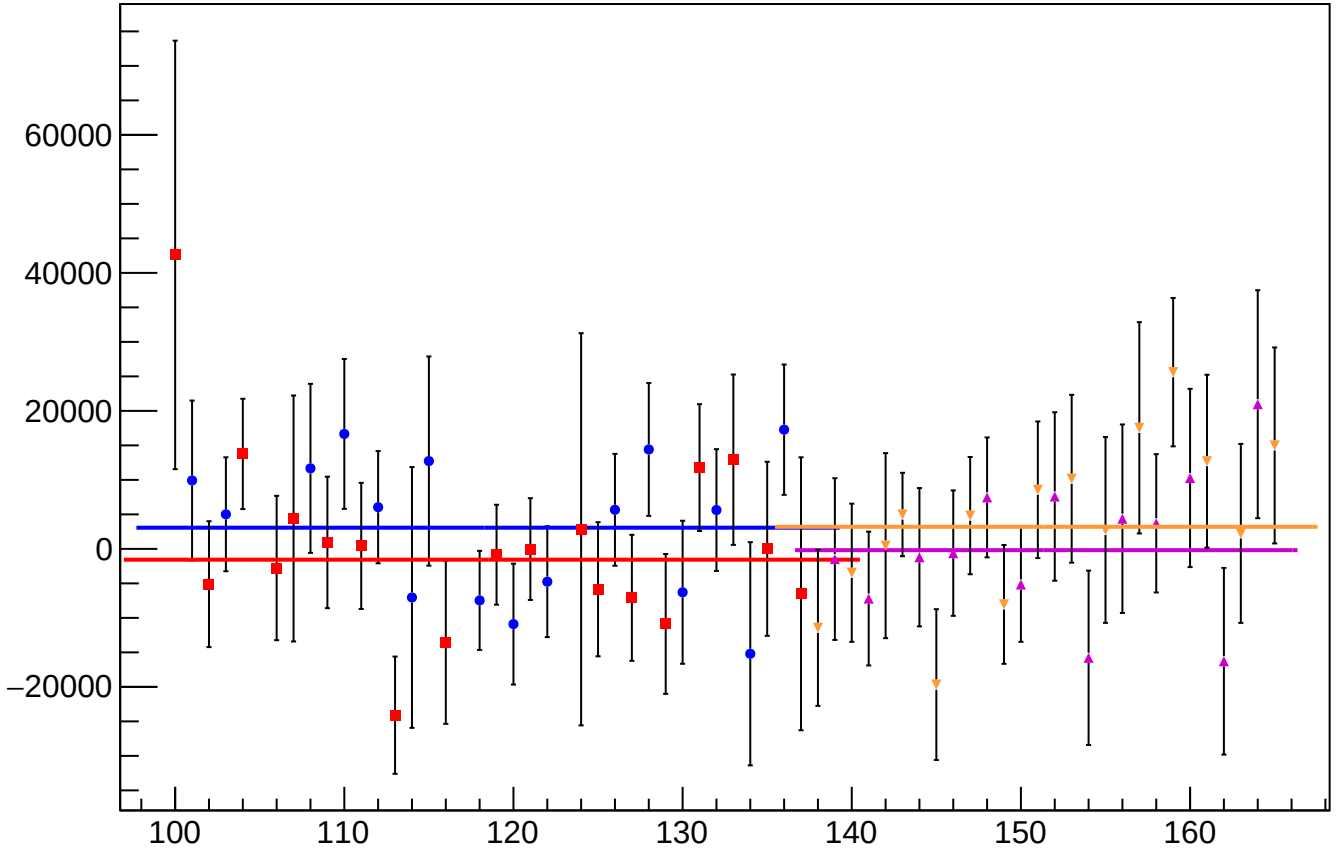
Left In: 9949.643+/-2.163 χ^2/NDF:627822.7/12

+ sign 7411.796+/-1.295 χ^2/NDF: 3353067.7/29

All: 7256.154+/-0.897 χ^2/NDF: 7115469.3/60

- sign 7112.527+/-1.244 χ^2/NDF: 3734632.8/30

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 3200.016+/-2681.287 χ^2/NDF:15.5/14

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

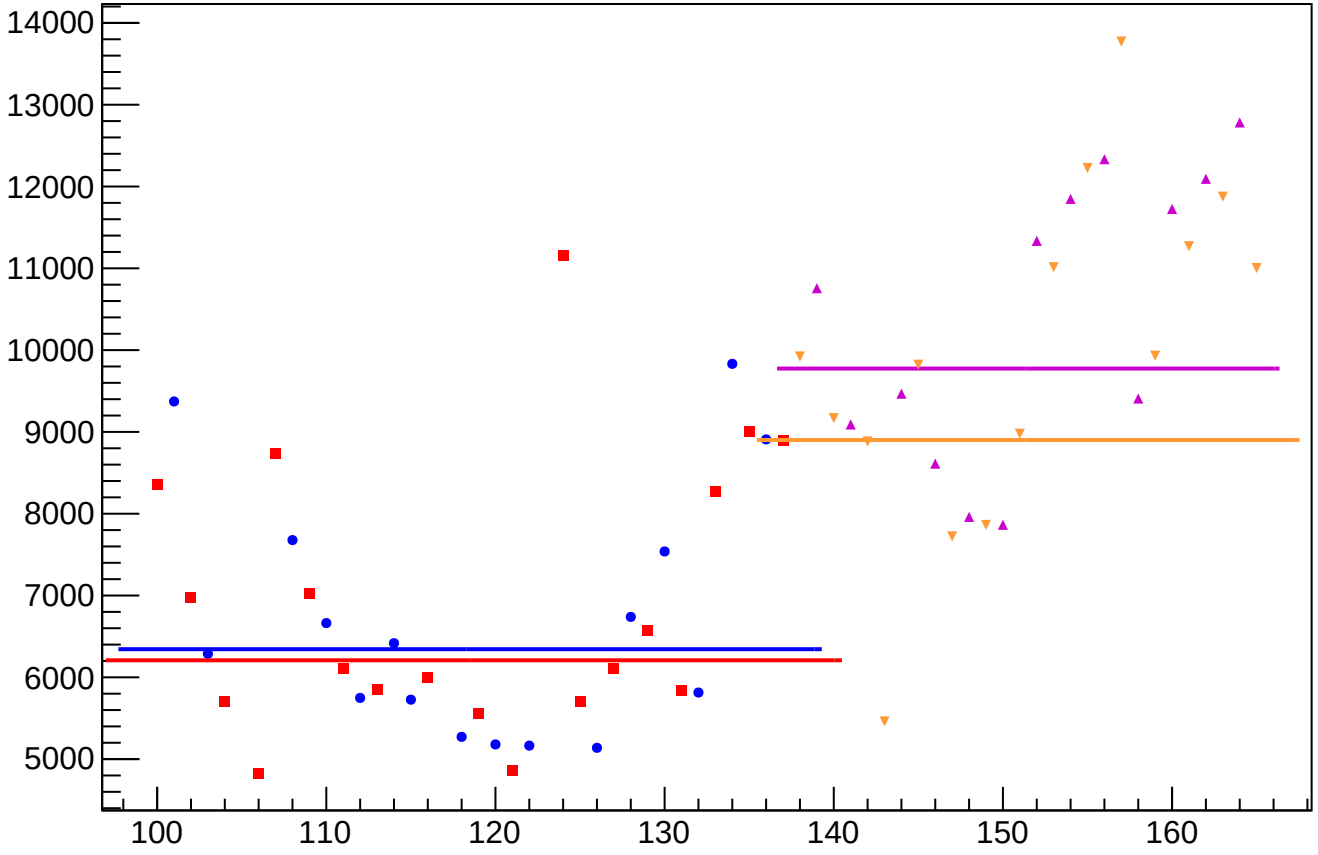
Left In: -185.816+/-3000.099 χ^2/NDF:7.6/12

+ sign 3128.547+/-1796.786 χ^2/NDF: 30.3/30

All: 1094.494+/-1286.581 χ^2/NDF: 59.9/62

- sign -1045.767+/-1843.098 χ^2/NDF: 26.9/31

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8901.073+/-1.896 χ^2/NDF:1371299.9/14

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

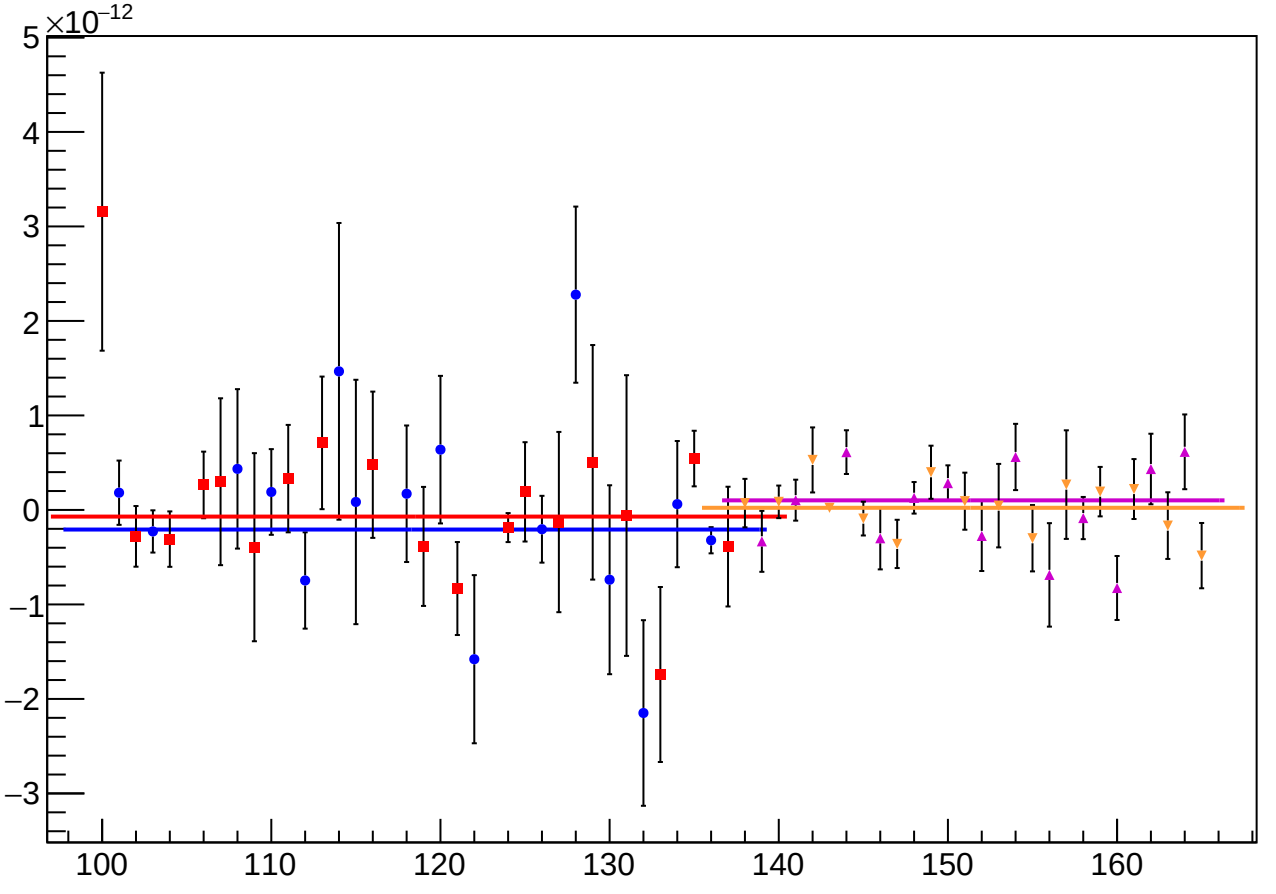
Left In: 9774.636+/-2.121 χ^2/NDF:581489.3/12

+ sign 7492.169+/-1.271 χ^2/NDF: 2994851.0/30

All: 7522.386+/-0.910 χ^2/NDF: 5809078.9/62

- sign 7554.180+/-1.303 χ^2/NDF: 2813067.0/31

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:11.1/14

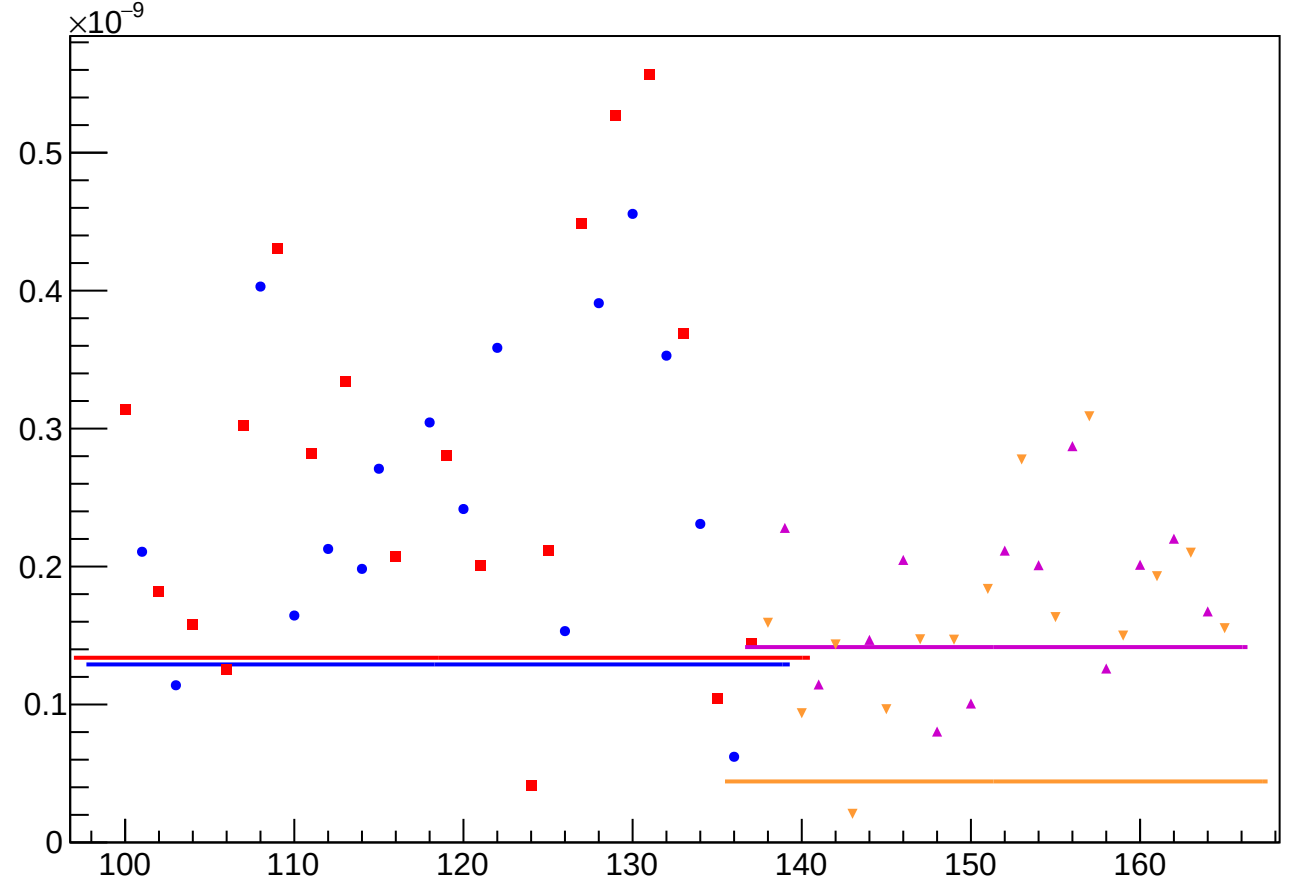
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 37.3/30

All: 0.000+/-0.000 χ^2/NDF: 85.1/62

- sign 0.000+/-0.000 χ^2/NDF: 47.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5424574.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

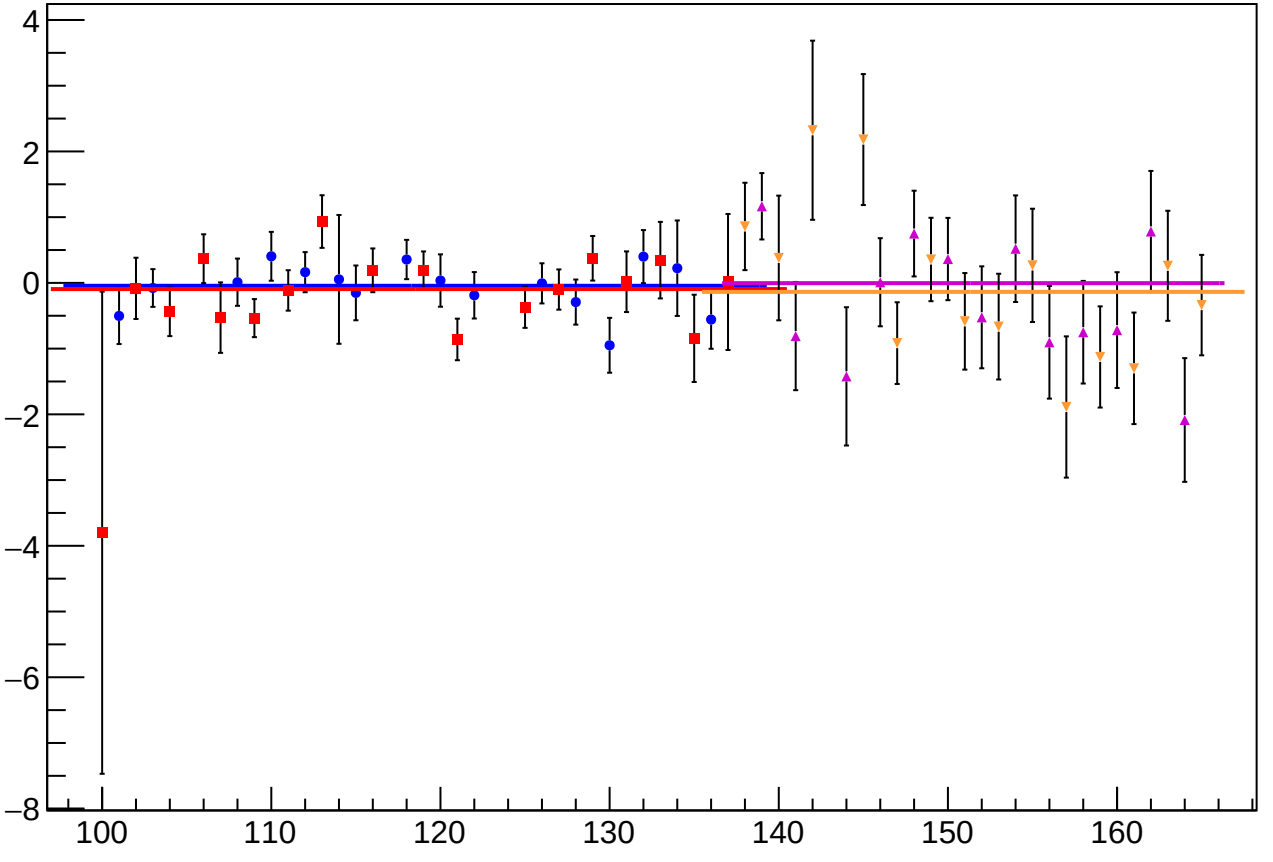
Left In: 0.000+/-0.000 χ^2/NDF:1051411.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 8569089.0/30

All: 0.000+/-0.000 χ^2/NDF: 15338624.5/62

- sign 0.000+/-0.000 χ^2/NDF: 3364086.3/31

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

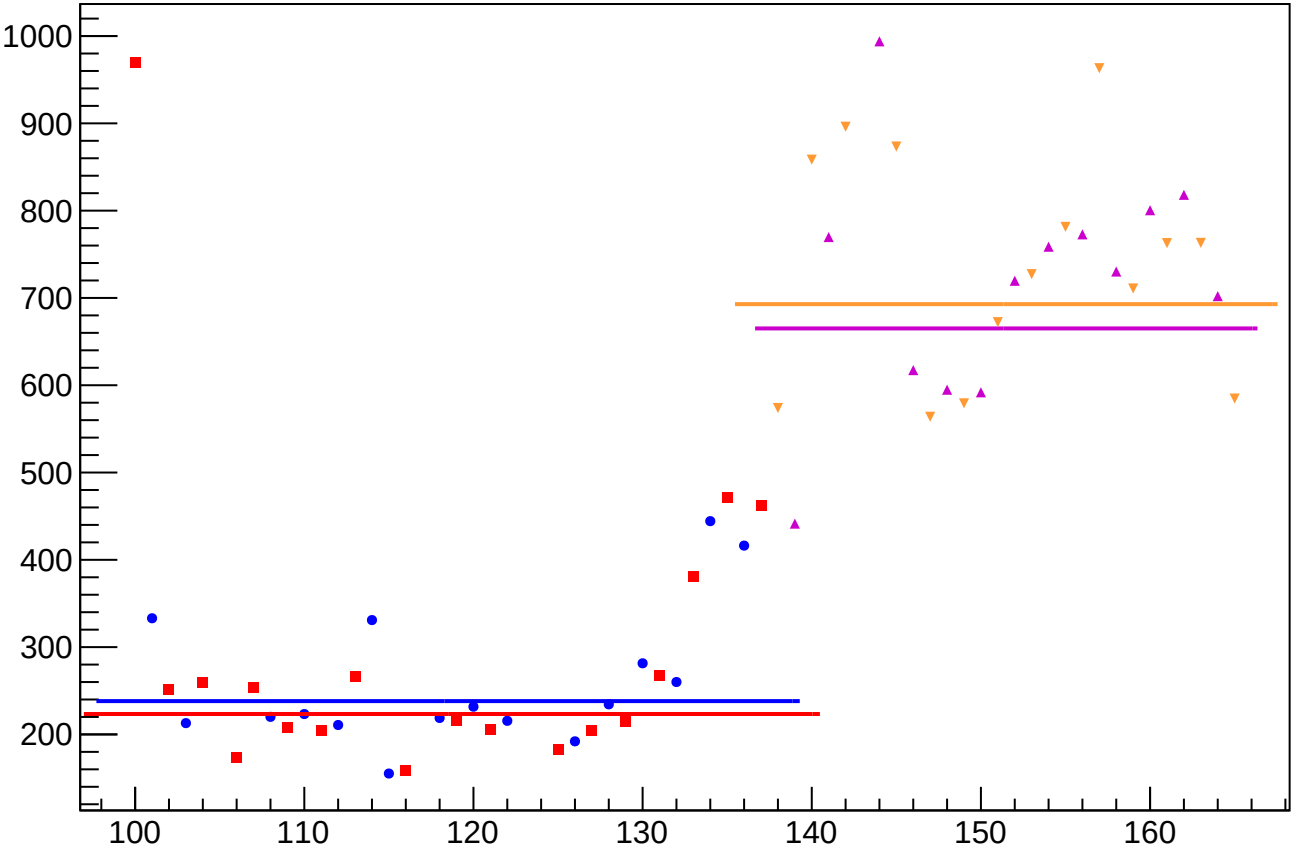
Left In: -0.004+/-0.208 χ^2/NDF:19.0/12

+ sign -0.059+/-0.086 χ^2/NDF: 34.1/29

All: -0.070+/-0.060 χ^2/NDF: 78.6/60

- sign -0.080+/-0.083 χ^2/NDF: 44.4/30

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 692.888+/-0.151 χ^2/NDF:607029.1/13

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

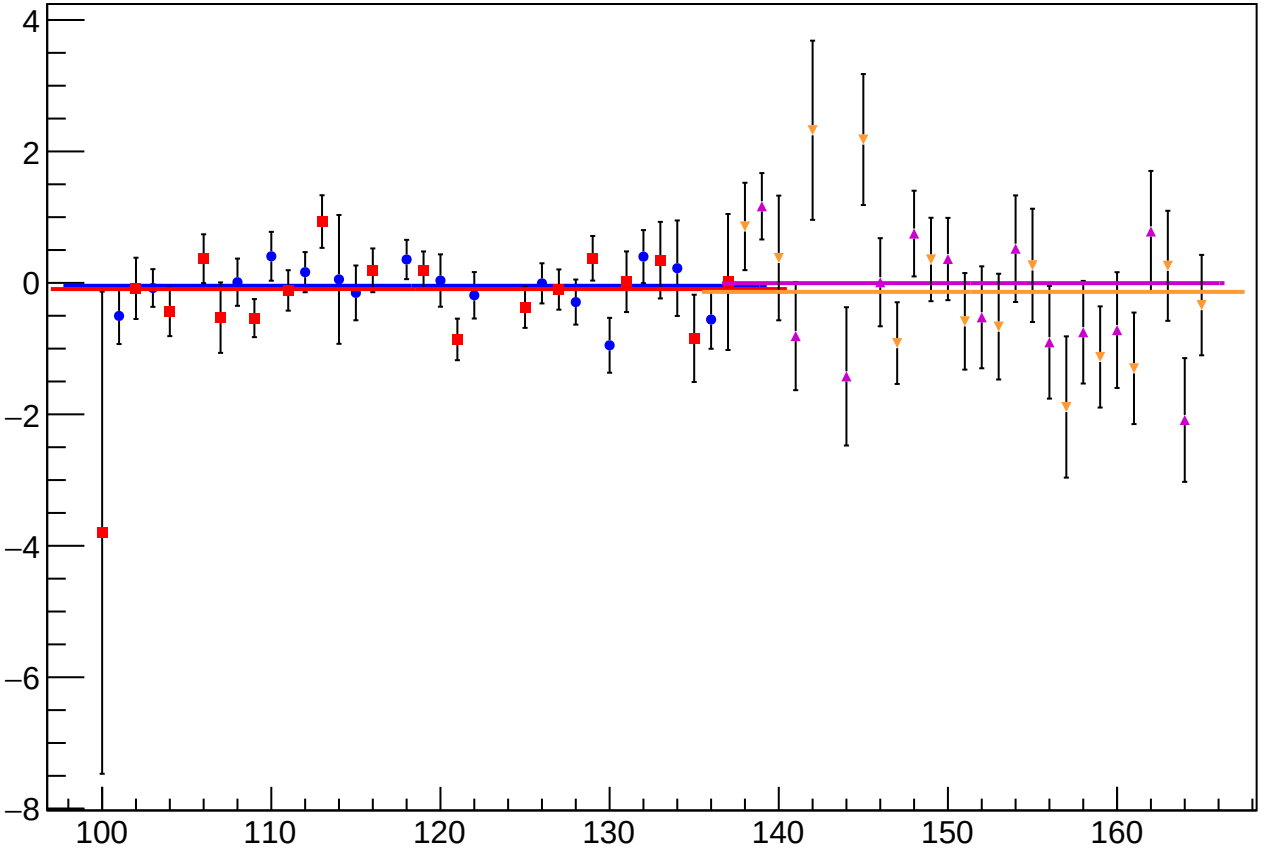
Left In: 665.080+/-0.147 χ^2/NDF:868335.8/12

+ sign 311.400+/-0.061 χ^2/NDF: 8984323.9/29

All: 302.015+/-0.042 χ^2/NDF: 18384114.9/60

- sign 293.340+/-0.058 χ^2/NDF: 9353862.8/30

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

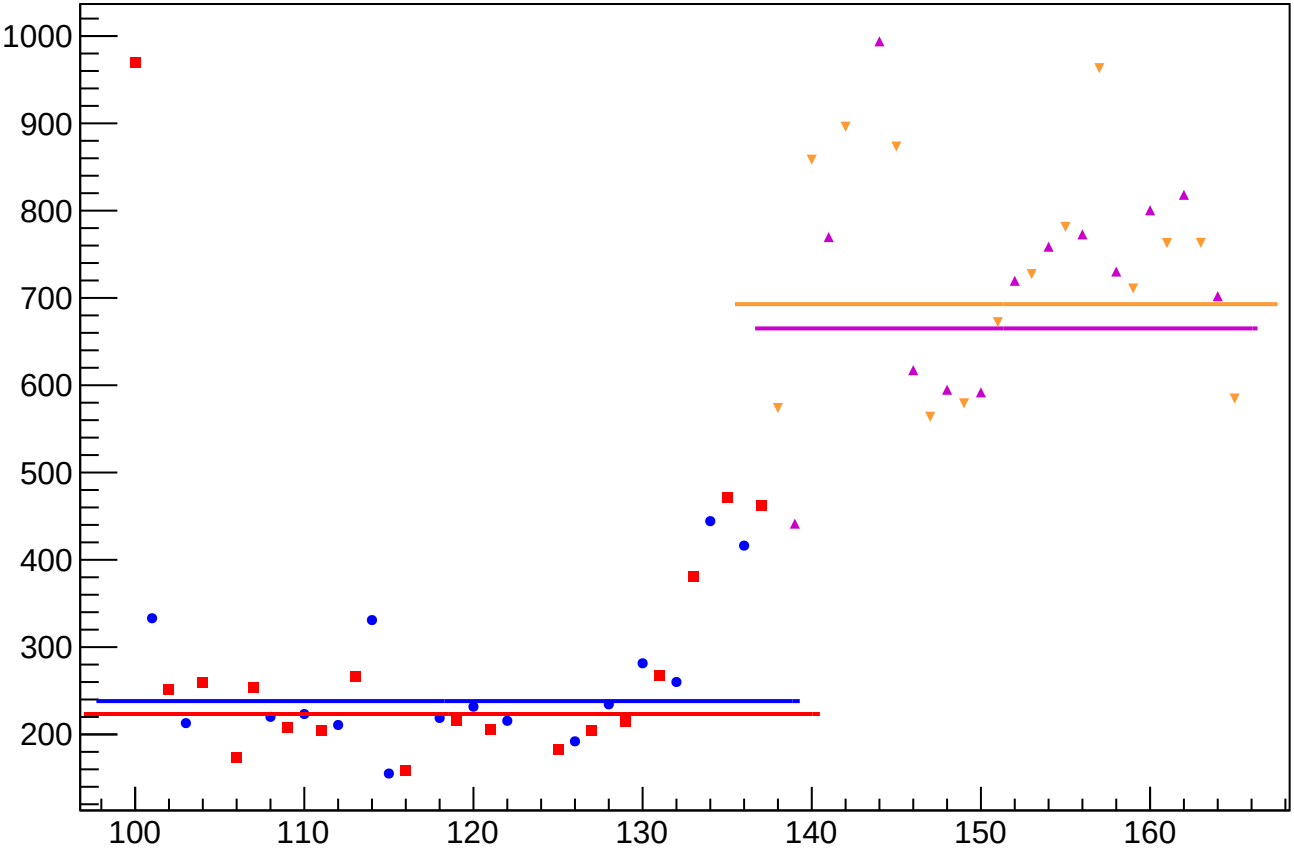
Left In: -0.004+/-0.208 χ^2/NDF:19.0/12

+ sign -0.059+/-0.086 χ^2/NDF: 34.1/29

All: -0.070+/-0.060 χ^2/NDF: 78.6/60

- sign -0.080+/-0.083 χ^2/NDF: 44.4/30

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 692.888+/-0.151 χ^2/NDF:607029.1/13

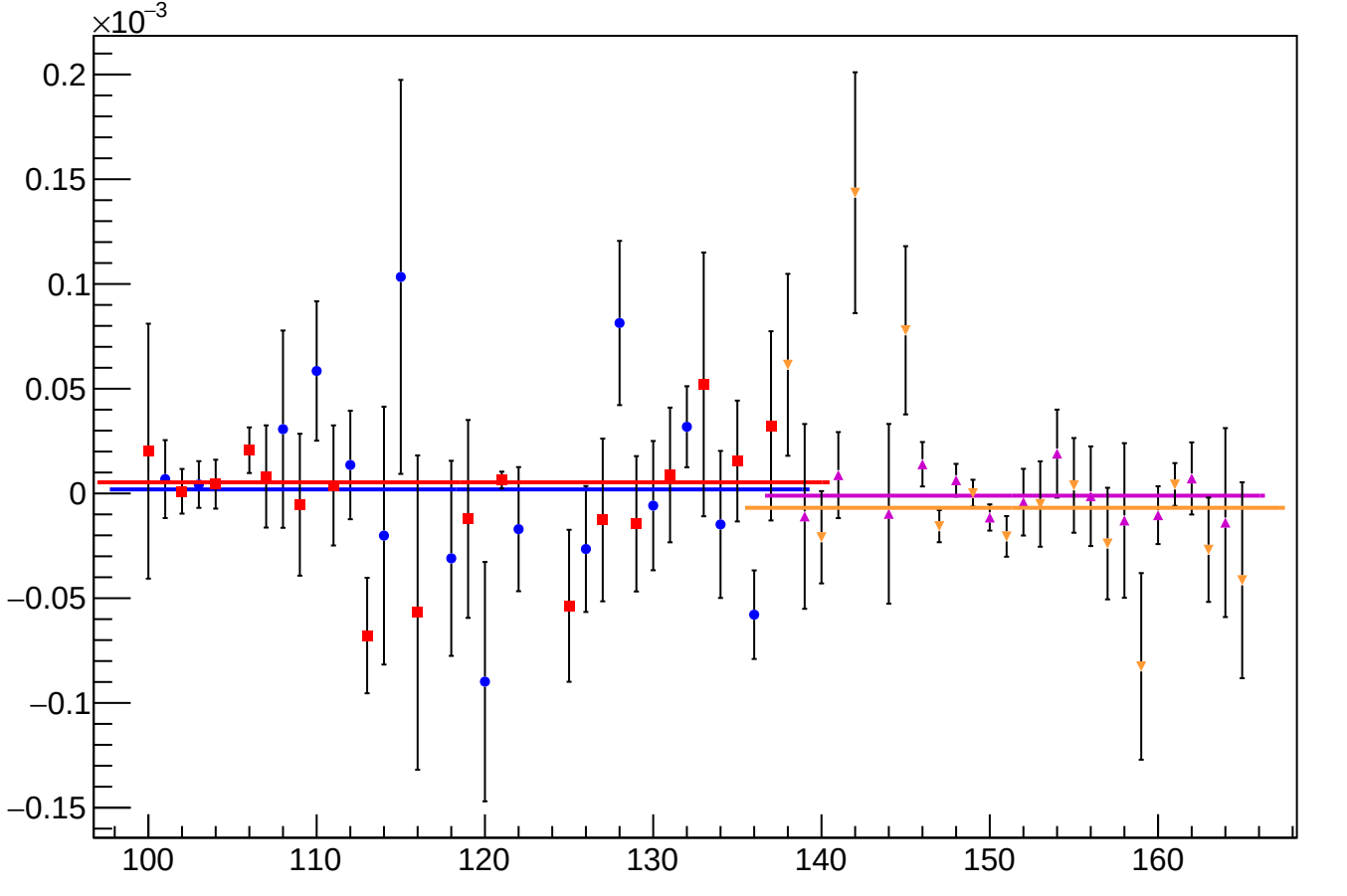
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 665.080+/-0.147 χ^2/NDF:868335.8/12

+ sign 311.400+/-0.061 χ^2/NDF: 8984323.9/29

All: 302.015+/-0.042 χ^2/NDF: 18384114.9/60

- sign 293.340+/-0.058 χ^2/NDF: 9353862.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/13

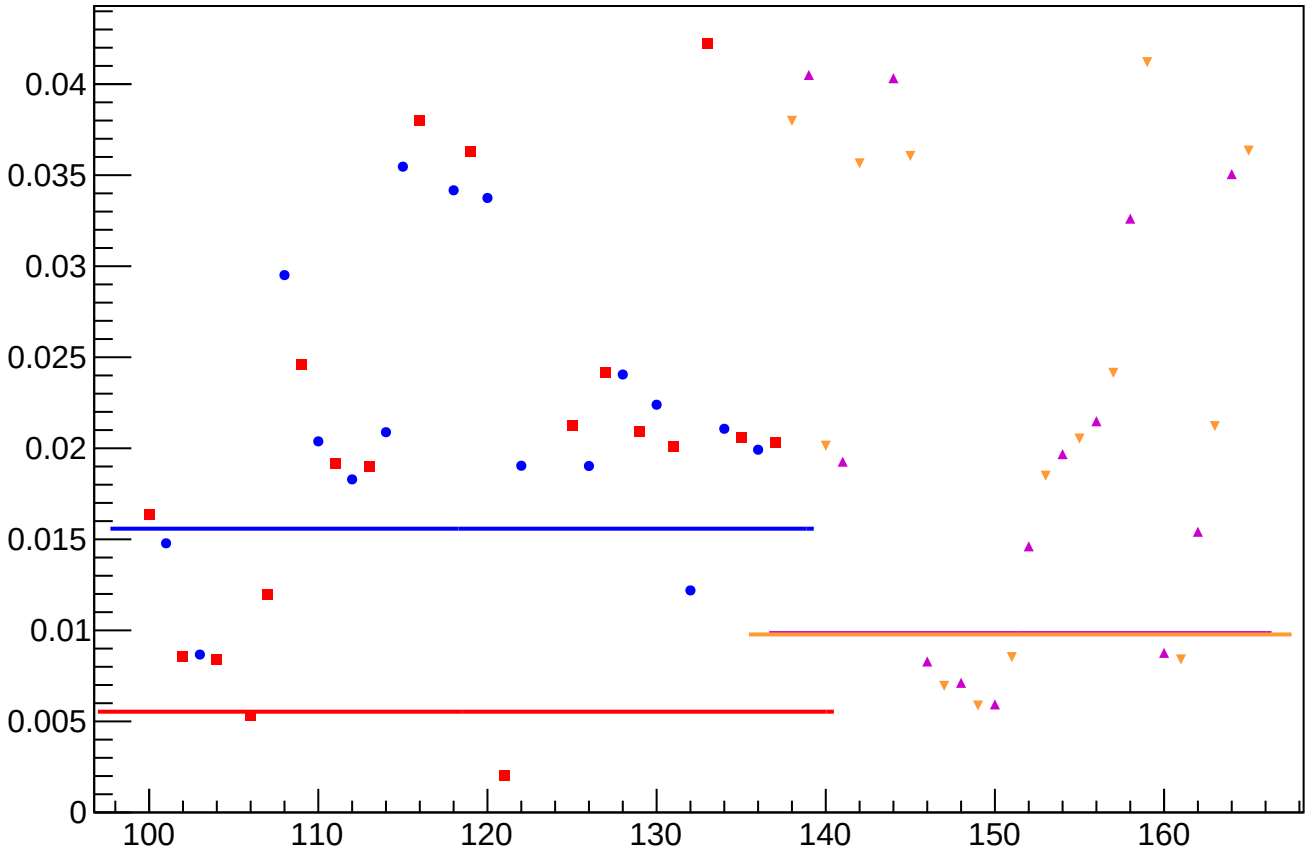
Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:7.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 50.0/29

All: -0.000+/-0.000 χ^2/NDF: 77.3/60

- sign 0.000+/-0.000 χ^2/NDF: 24.0/30



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:7091701.6/13

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

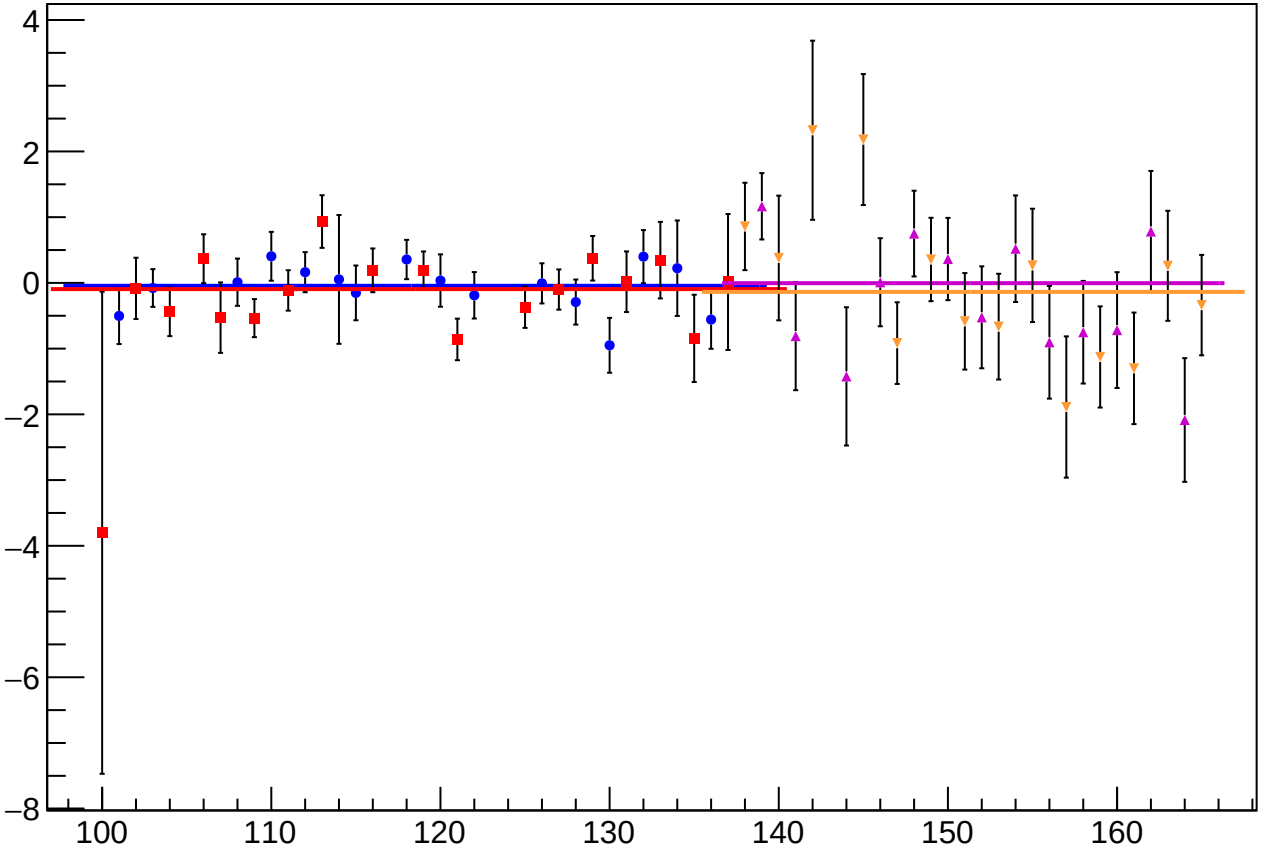
Left In: 0.010+/-0.000 χ^2/NDF:6168358.5/12

+ sign 0.011+/-0.000 χ^2/NDF: 10409323.2/29

All: 0.009+/-0.000 χ^2/NDF: 27937936.6/60

- sign 0.007+/-0.000 χ^2/NDF: 15669481.5/30

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

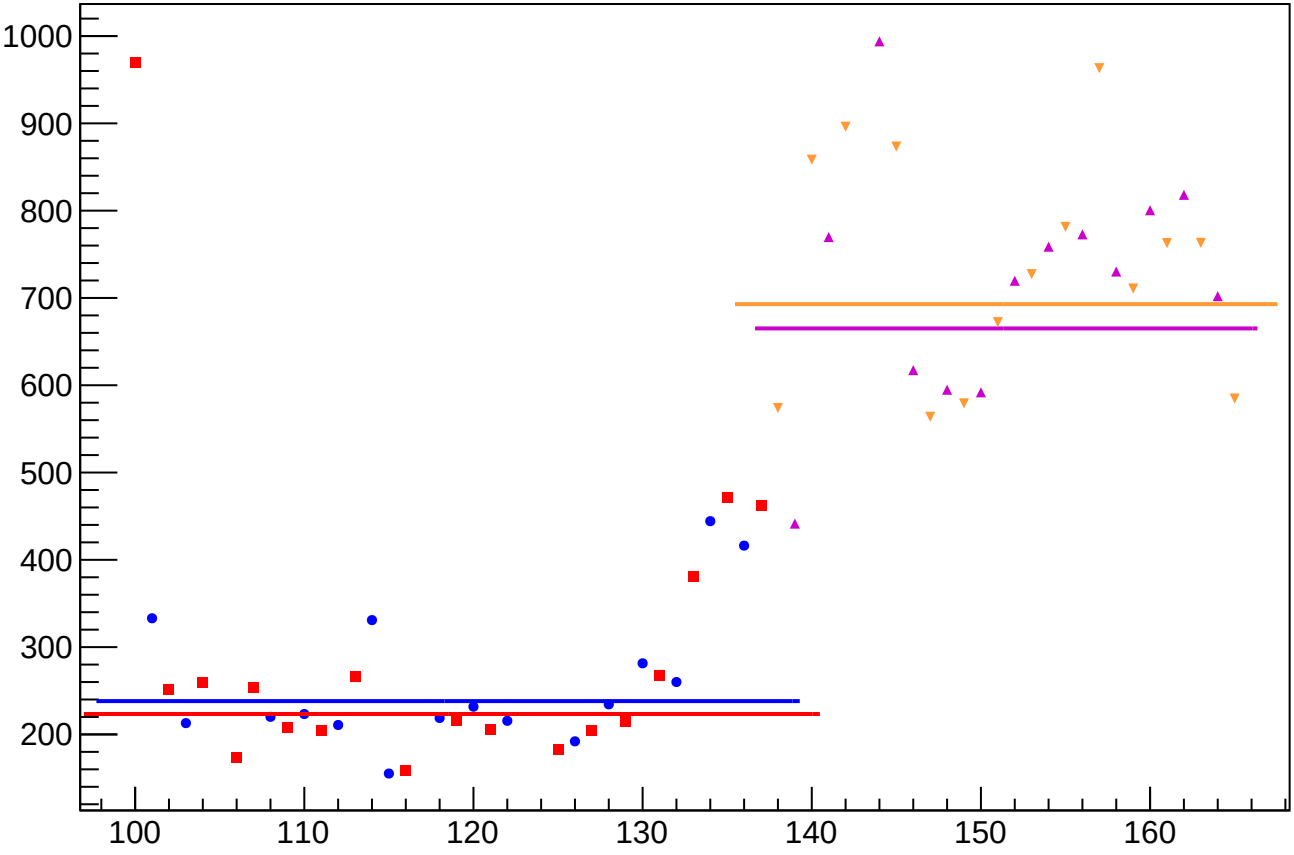
Left In: -0.004+/-0.208 χ^2/NDF:19.0/12

+ sign -0.059+/-0.086 χ^2/NDF: 34.1/29

All: -0.070+/-0.060 χ^2/NDF: 78.6/60

- sign -0.080+/-0.083 χ^2/NDF: 44.4/30

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 692.897+/-0.151 χ^2/NDF:607065.6/13

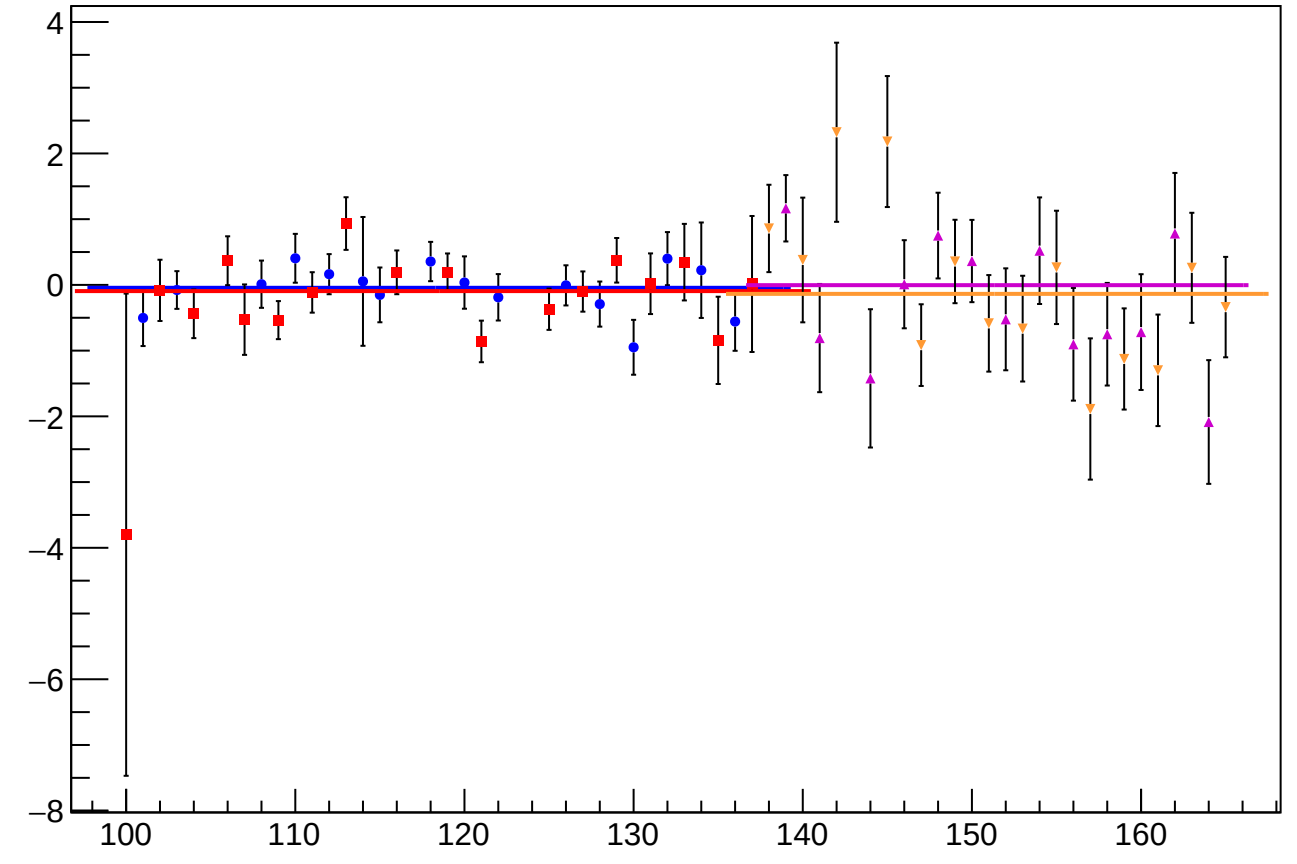
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 665.090+/-0.147 χ^2/NDF:868325.5/12

+ sign 311.401+/-0.061 χ^2/NDF: 8984424.1/29

All: 302.016+/-0.042 χ^2/NDF: 18384240.1/60

- sign 293.341+/-0.058 χ^2/NDF: 9353893.0/30



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.137+/-0.214 χ^2/NDF:20.9/13

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

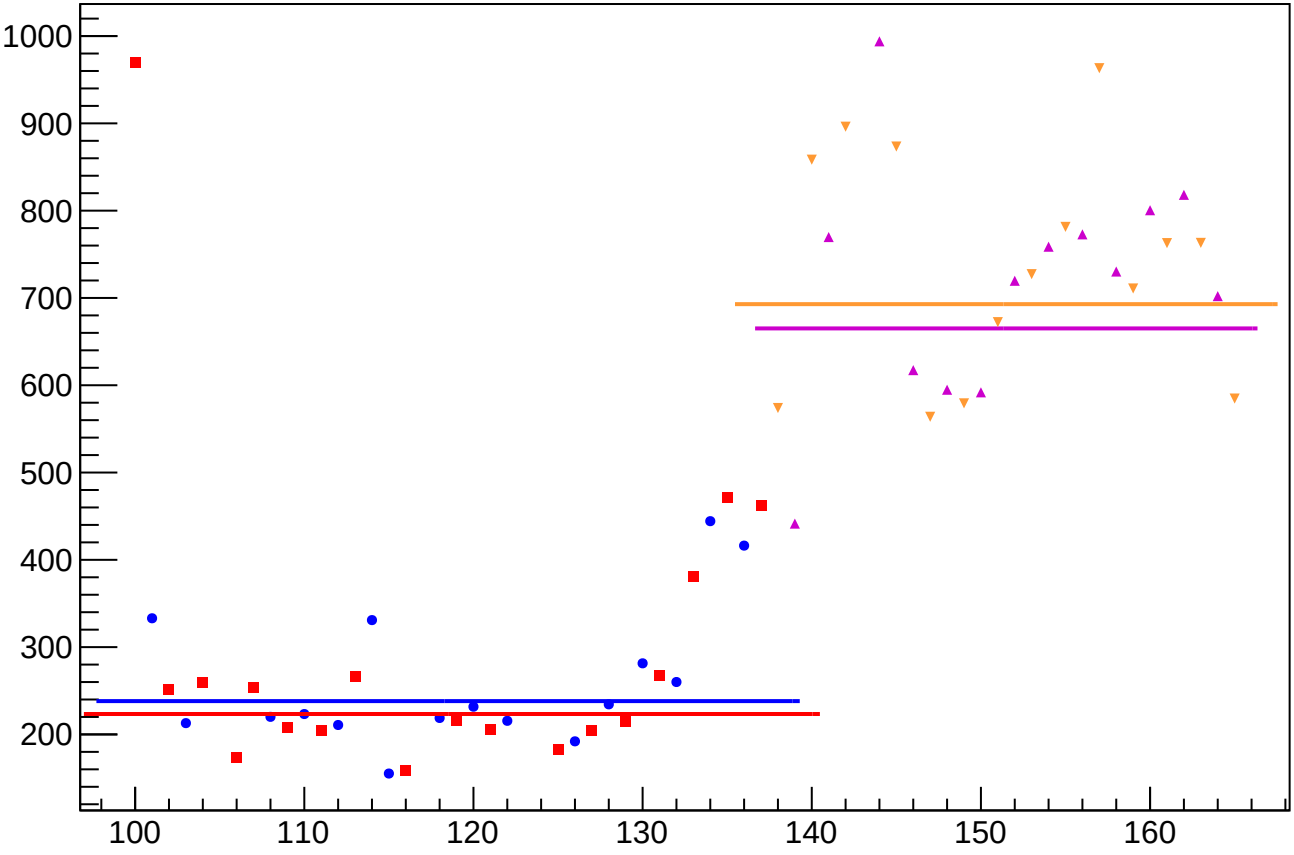
Left In: -0.004+/-0.208 χ^2/NDF:19.0/12

+ sign -0.059+/-0.086 χ^2/NDF: 34.1/29

All: -0.070+/-0.060 χ^2/NDF: 78.6/60

- sign -0.080+/-0.083 χ^2/NDF: 44.4/30

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: 692.897+/-0.151 χ^2/NDF:607065.6/13

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

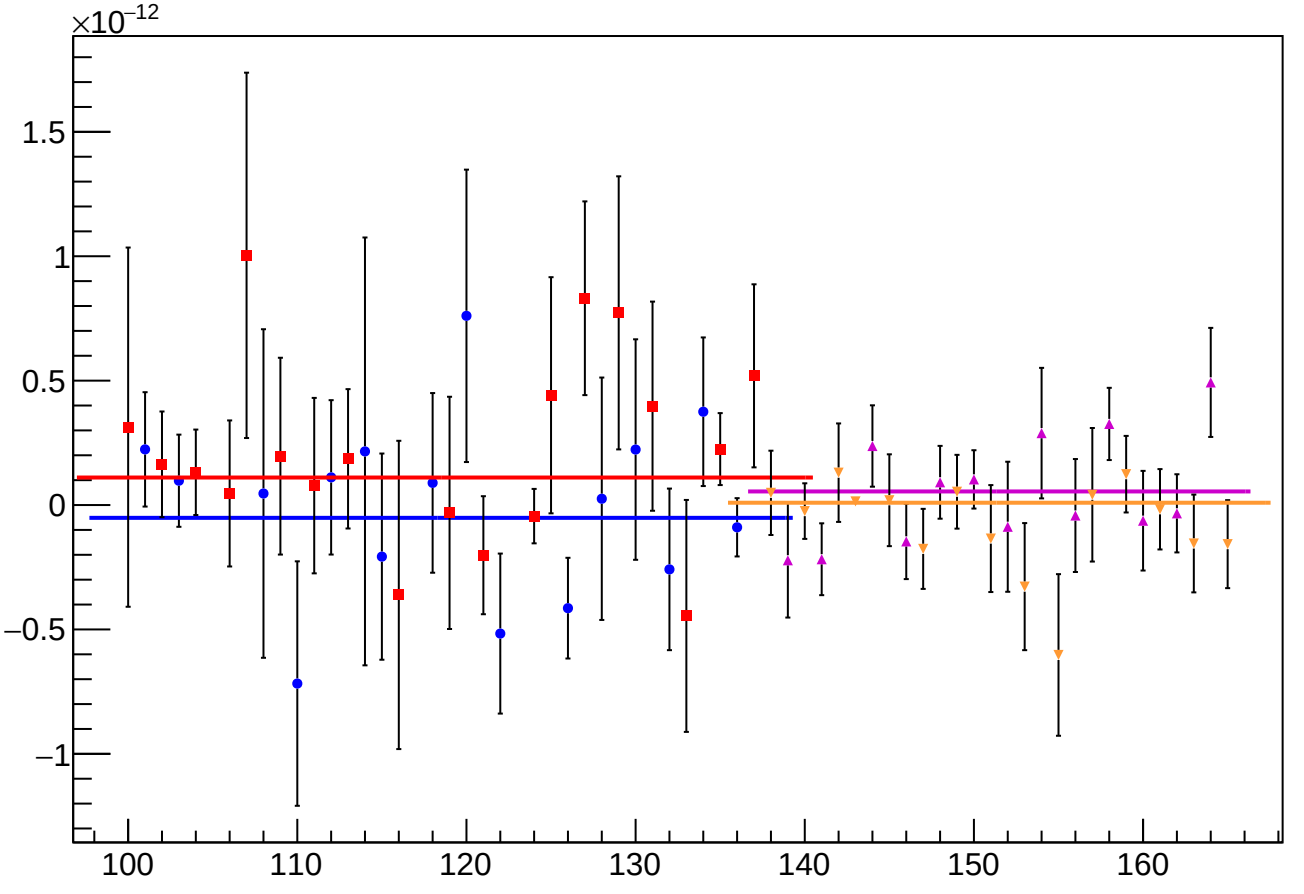
Left In: 665.090+/-0.147 χ^2/NDF:868325.5/12

+ sign 311.401+/-0.061 χ^2/NDF: 8984424.1/29

All: 302.016+/-0.042 χ^2/NDF: 18384240.1/60

- sign 293.341+/-0.058 χ^2/NDF: 9353893.0/30

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:10.0/14

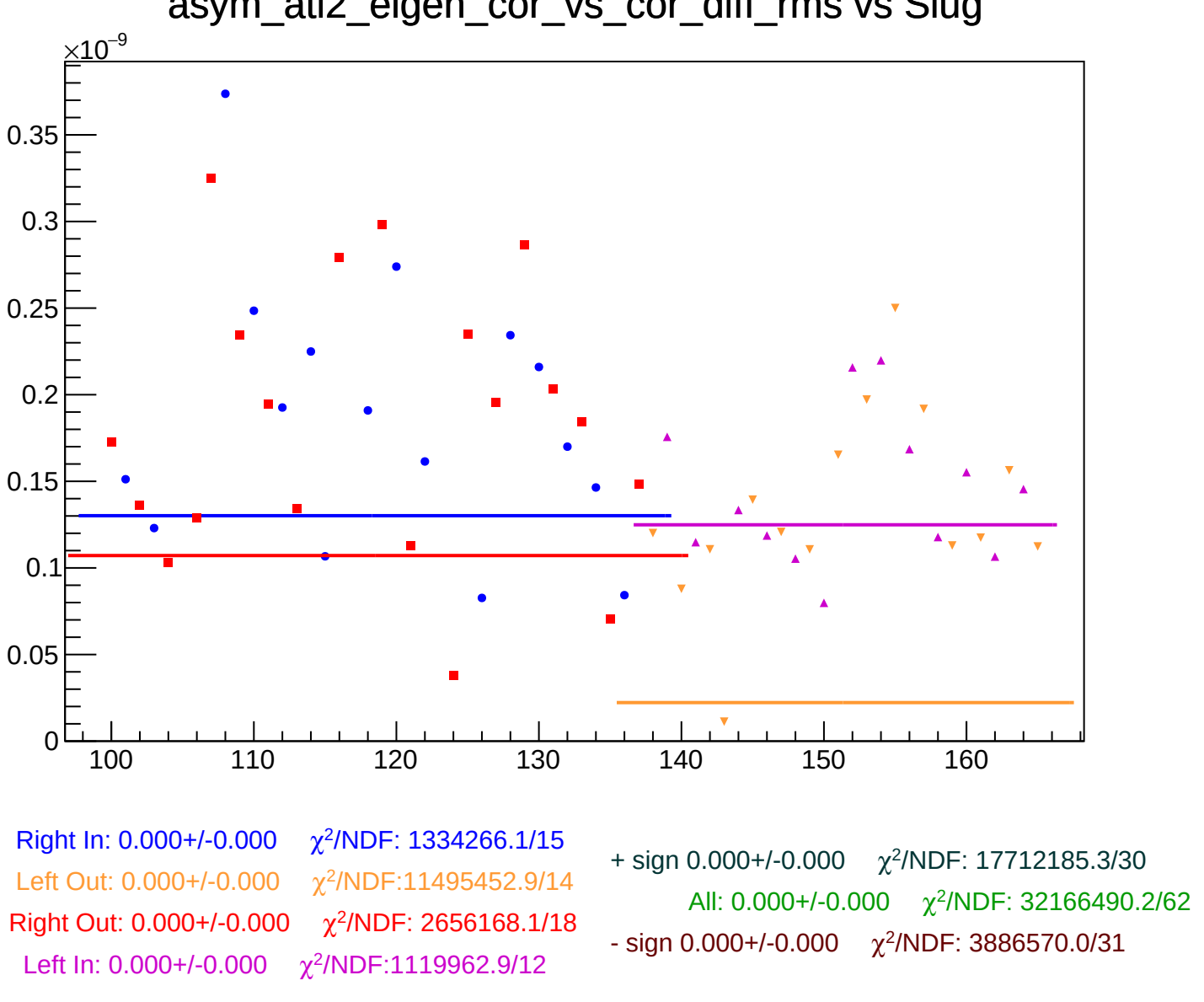
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.7/12

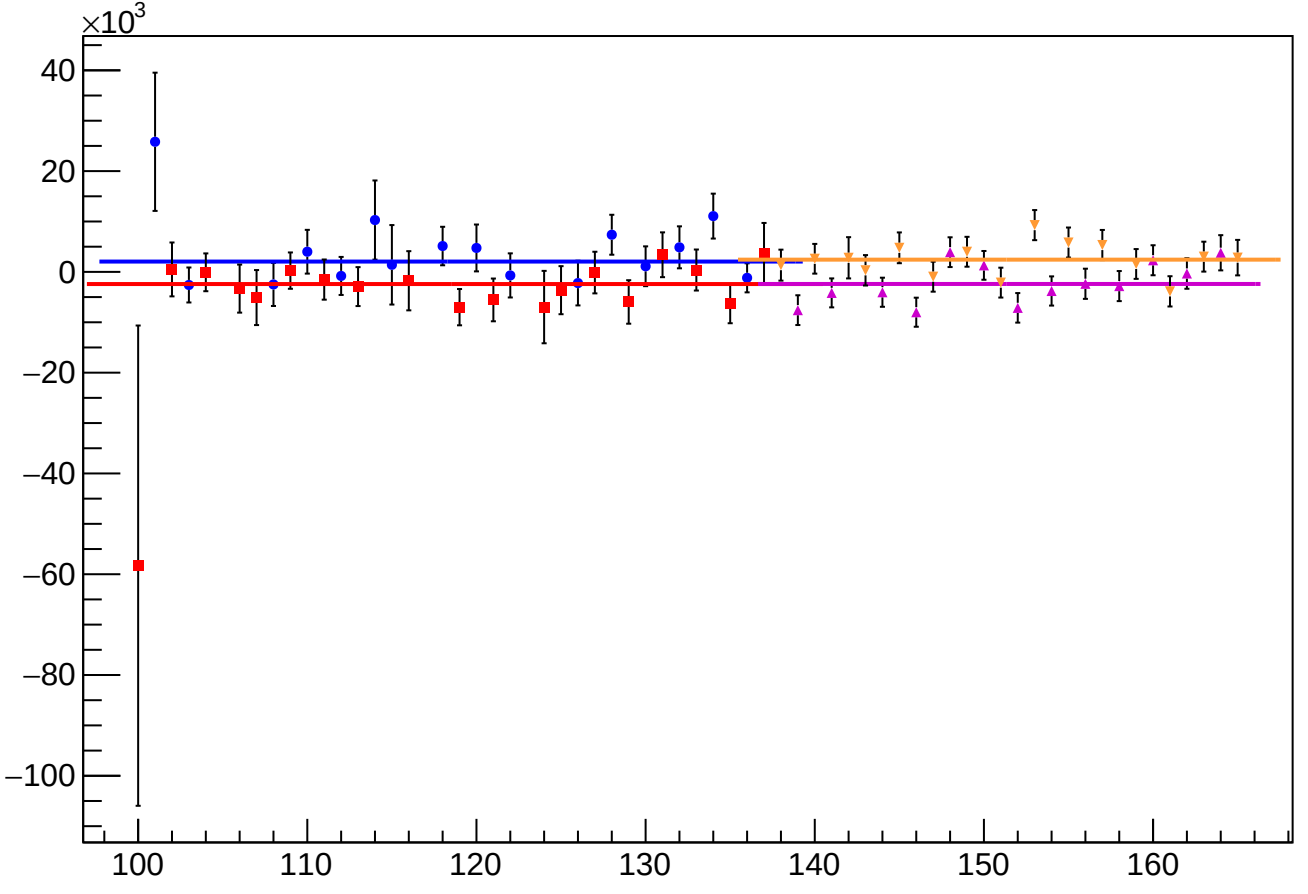
+ sign 0.000+/-0.000 χ^2/NDF: 25.5/30

All: 0.000+/-0.000 χ^2/NDF: 62.2/62

- sign 0.000+/-0.000 χ^2/NDF: 33.6/31


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:11495452.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:1119962.9/12
+ sign 0.000+/-0.000 χ²/NDF: 17712185.3/30
All: 0.000+/-0.000 χ²/NDF: 32166490.2/62
- sign 0.000+/-0.000 χ²/NDF: 3886570.0/31

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2428.977+/-792.015 χ^2/NDF:17.2/14

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

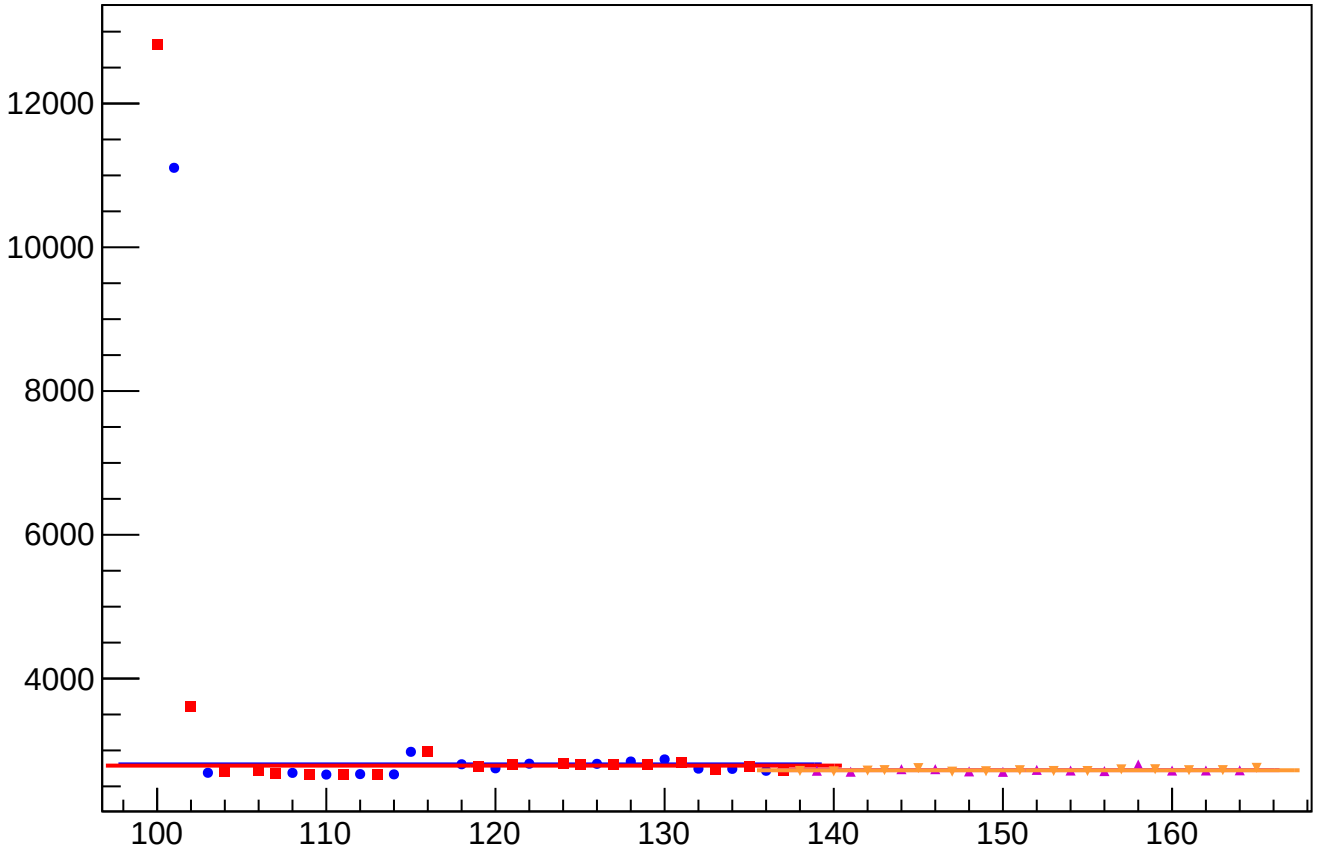
Left In: -2396.925+/-823.141 χ^2/NDF:22.8/12

+ sign 2294.718+/-636.677 χ^2/NDF: 35.1/30

All: -25.855+/-452.887 χ^2/NDF: 95.5/62

- sign -2402.708+/-644.351 χ^2/NDF: 33.5/31

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2724.012+/-0.560 χ^2/NDF:705.3/14

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

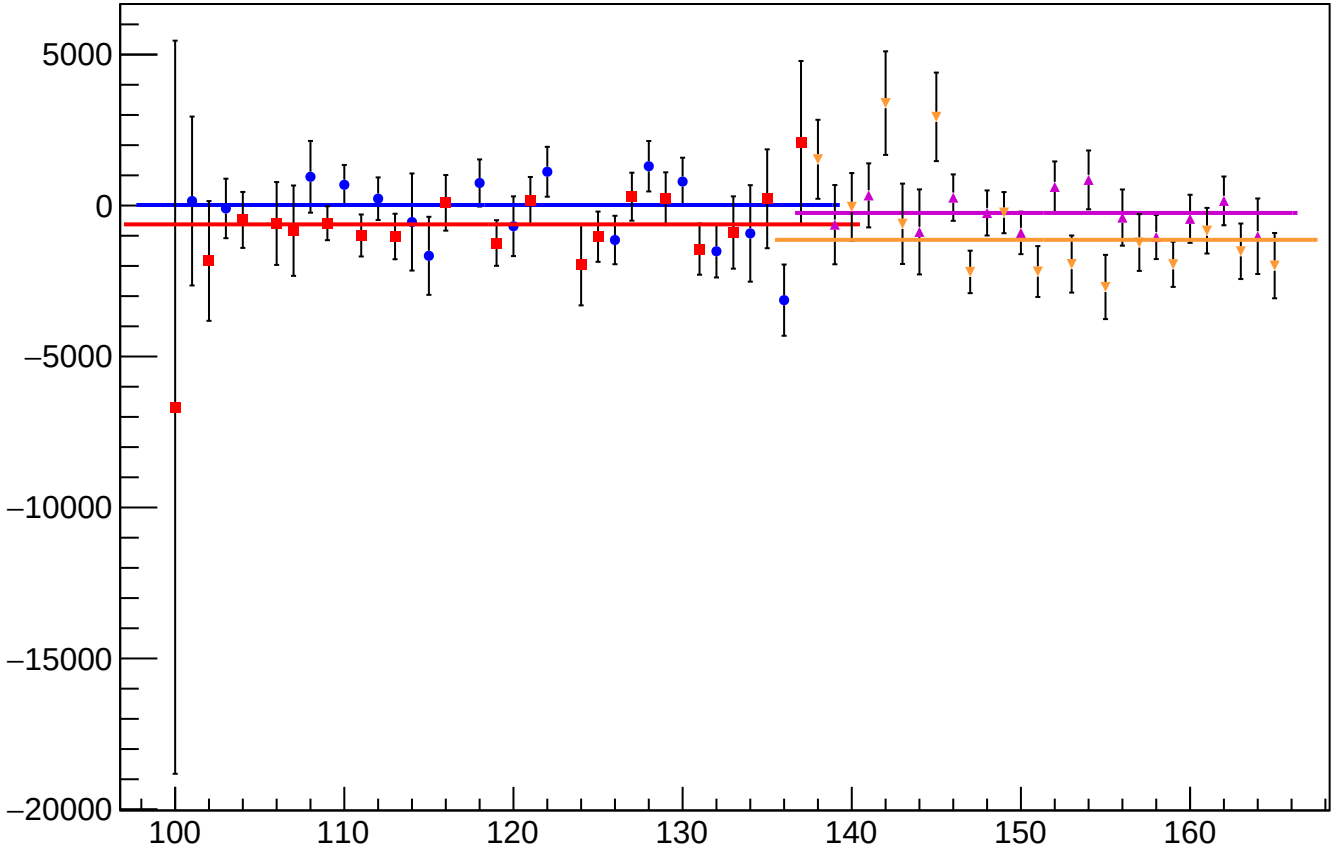
Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

+ sign 2752.823+/-0.450 χ^2/NDF: 754426.2/30

All: 2751.709+/-0.320 χ^2/NDF: 907729.6/62

- sign 2750.569+/-0.456 χ^2/NDF: 153291.0/31

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1135.275+/-242.204 χ^2/NDF:30.5/14

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

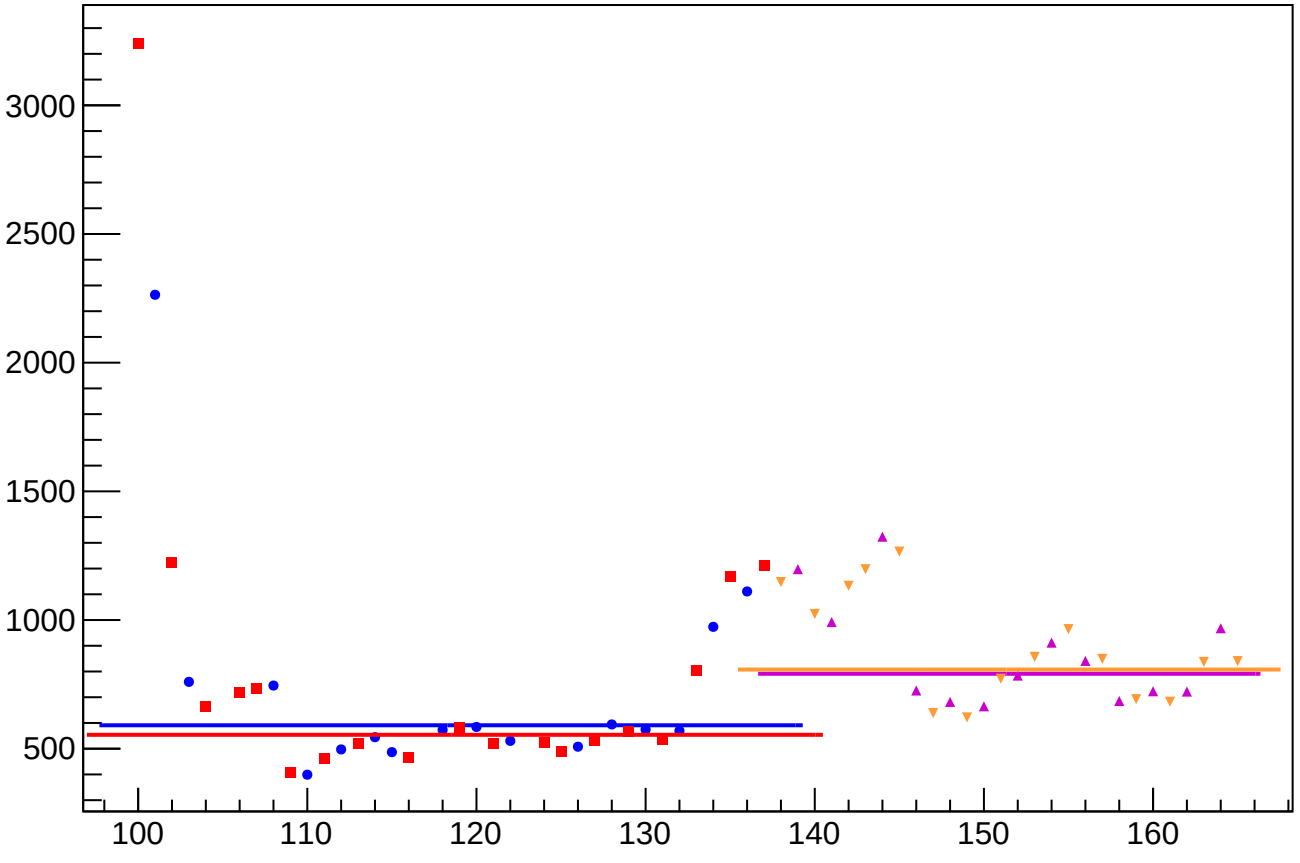
Left In: -244.879+/-244.581 χ^2/NDF:6.1/12

+ sign -536.993+/-168.096 χ^2/NDF: 65.1/30

All: -495.708+/-116.602 χ^2/NDF: 81.9/62

- sign -457.419+/-161.880 χ^2/NDF: 16.7/31

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 807.604+/-0.171 χ^2/NDF:1075644.1/14

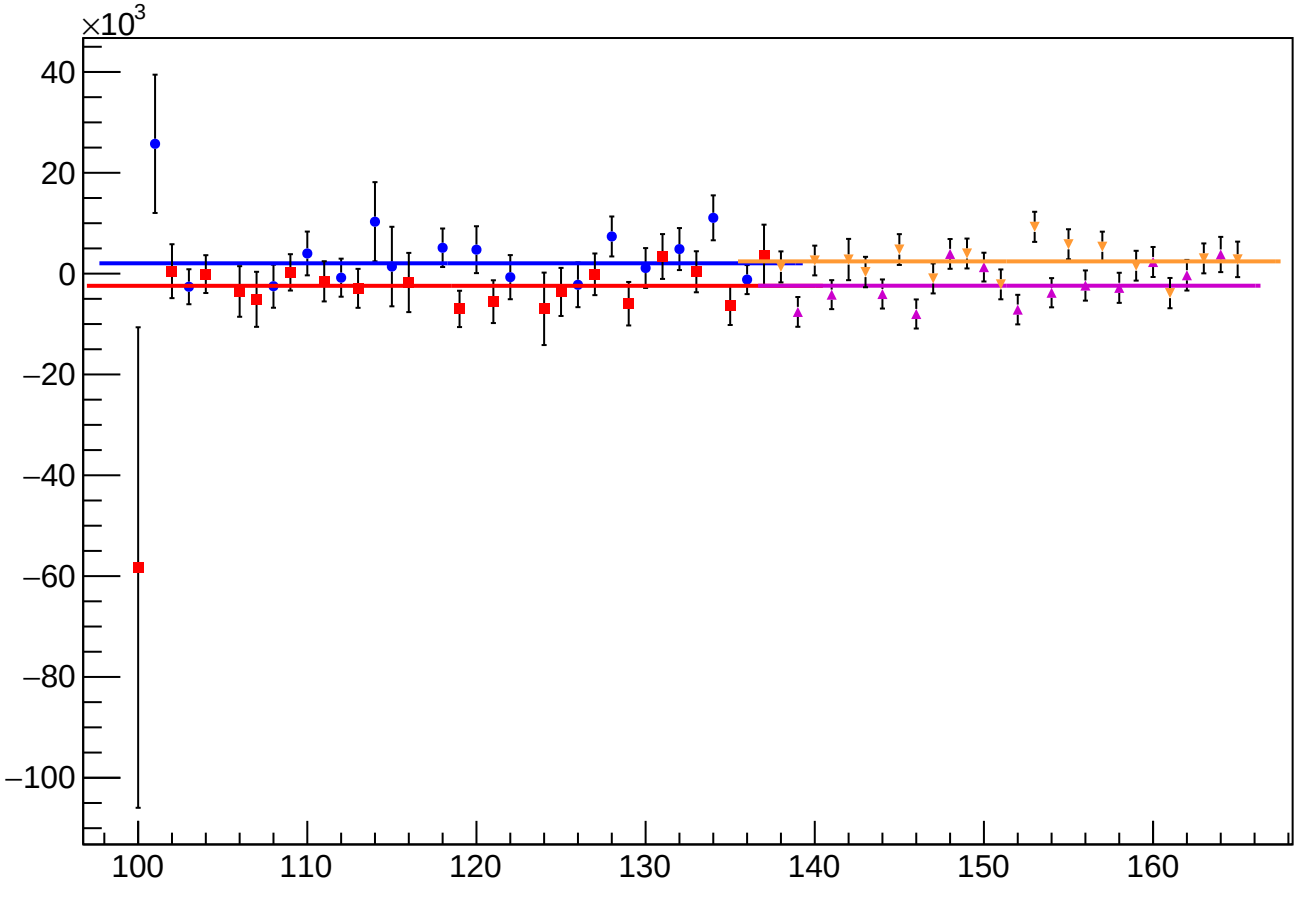
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 791.146+/-0.173 χ^2/NDF:819959.2/12

+ sign 695.354+/-0.119 χ^2/NDF: 3472088.2/30

All: 675.908+/-0.082 χ^2/NDF: 6517283.9/62

- sign 657.875+/-0.114 χ^2/NDF: 2993612.4/31



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2429.016+/-792.015 χ^2/NDF:17.2/14

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

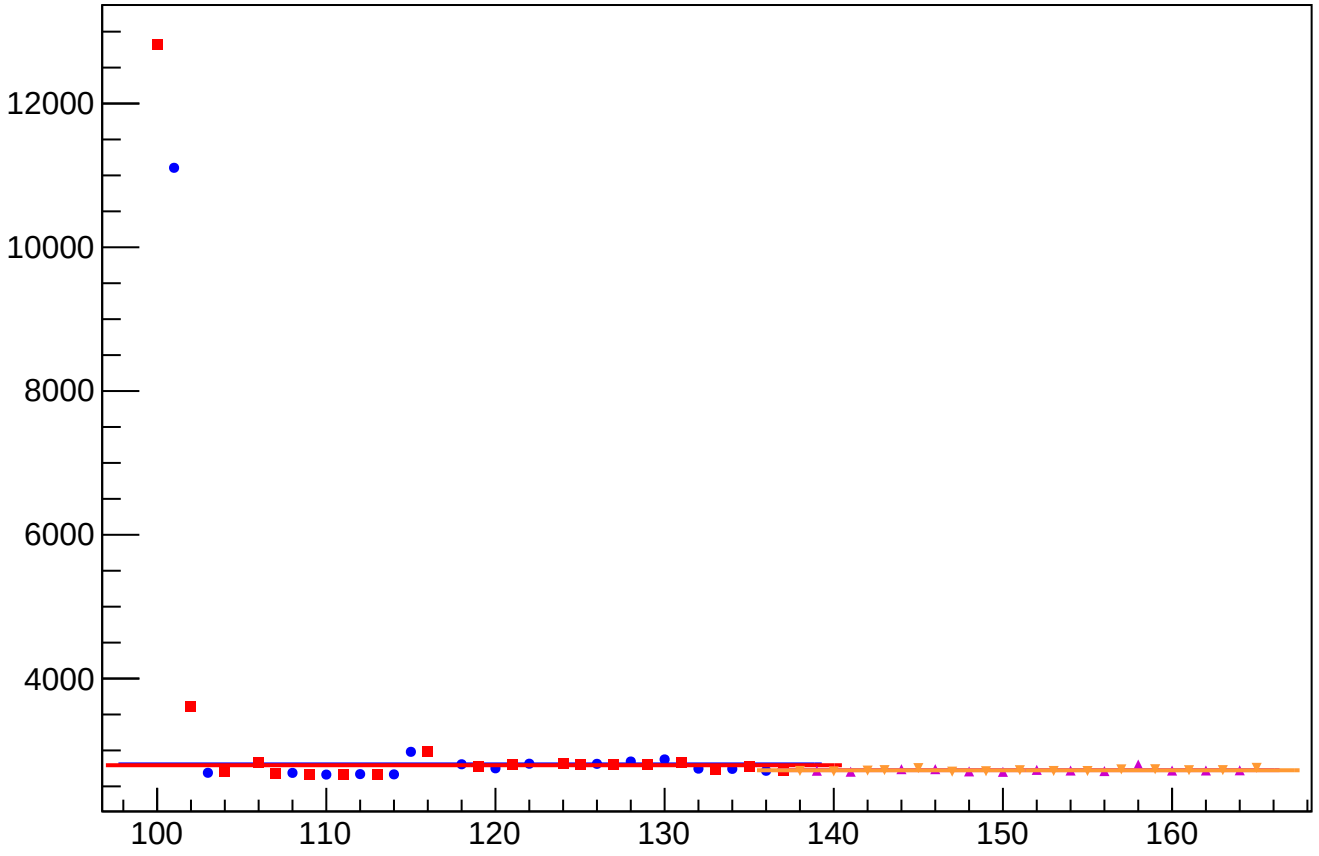
Left In: -2396.984+/-823.141 χ^2/NDF:22.8/12

+ sign 2294.459+/-636.677 χ^2/NDF: 35.0/30

All: -25.060+/-453.086 χ^2/NDF: 95.5/62

- sign -2405.064+/-644.925 χ^2/NDF: 33.6/31

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.012+/-0.560 χ^2/NDF:705.3/14

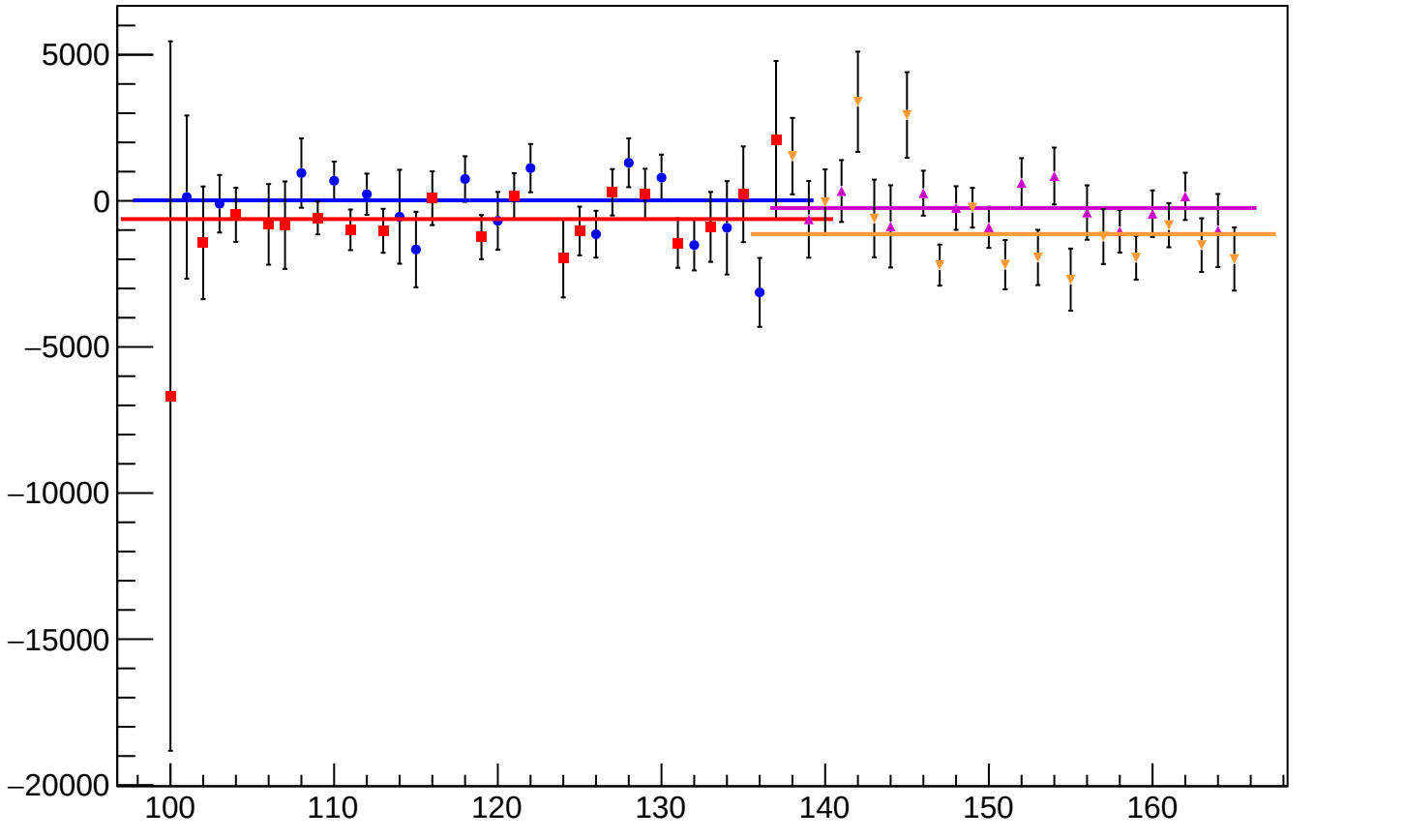
Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

+ sign 2752.823+/-0.450 χ^2/NDF: 754425.3/30

All: 2752.694+/-0.320 χ^2/NDF: 908241.8/62

- sign 2752.562+/-0.456 χ^2/NDF: 153816.3/31



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1135.163+/-242.203 χ^2/NDF:30.5/14

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

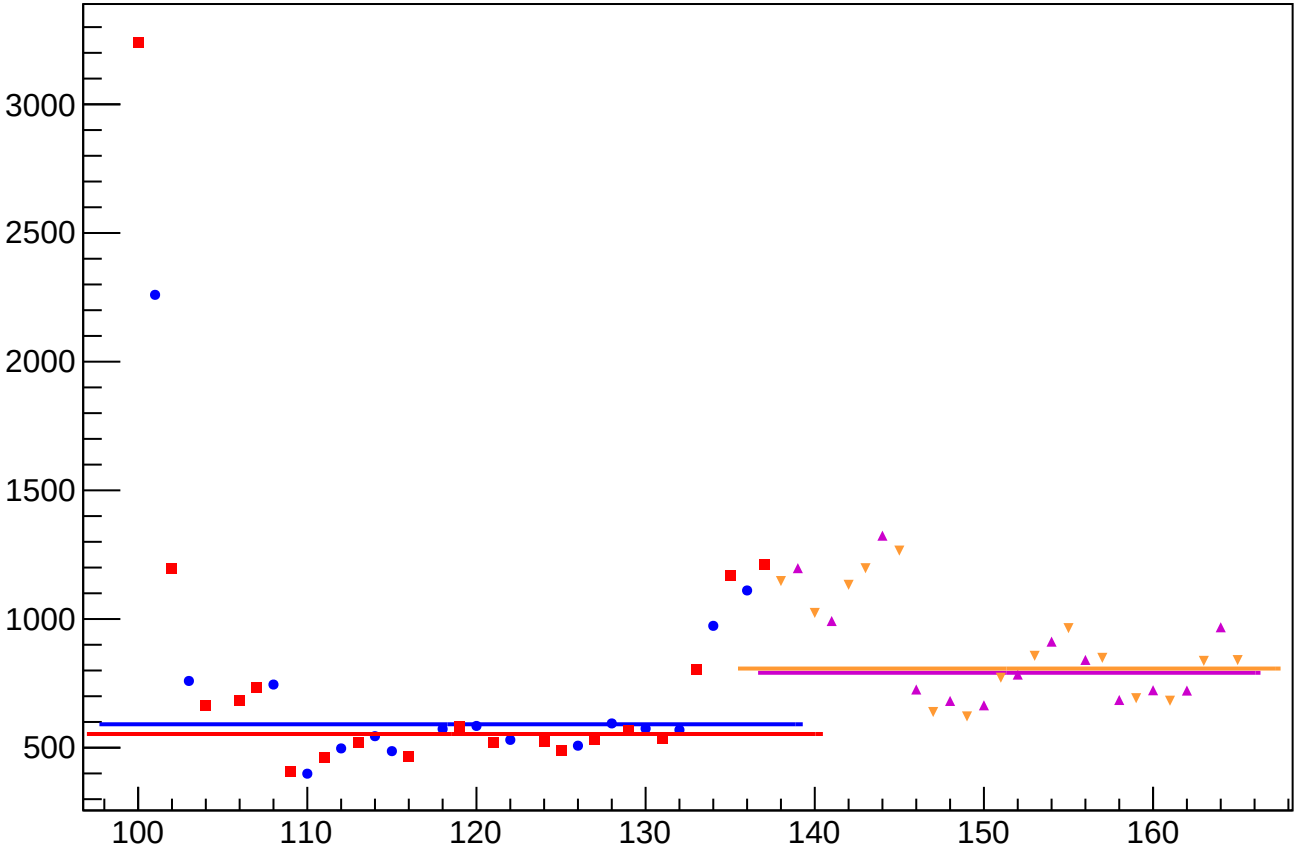
Left In: -244.999+/-244.580 χ^2/NDF:6.1/12

+ sign -536.933+/-168.091 χ^2/NDF: 65.1/30

All: -496.046+/-116.593 χ^2/NDF: 81.7/62

- sign -458.134+/-161.860 χ^2/NDF: 16.6/31

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 807.601+/-0.171 χ^2/NDF:1075658.2/14

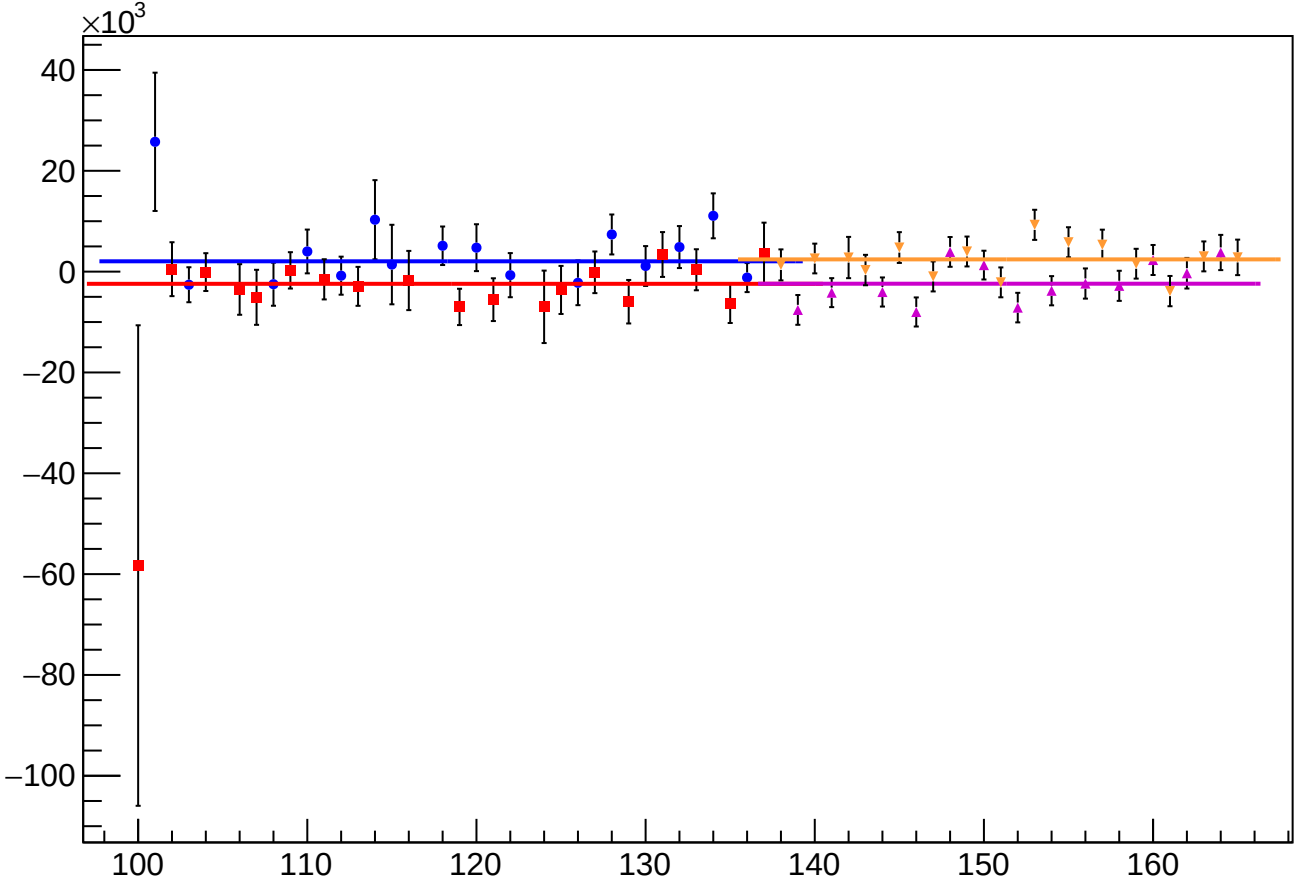
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 791.141+/-0.173 χ^2/NDF:819940.1/12

+ sign 695.346+/-0.119 χ^2/NDF: 3471107.3/30

All: 675.671+/-0.082 χ^2/NDF: 6509097.5/62

- sign 657.428+/-0.114 χ^2/NDF: 2985181.1/31



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2429.016+/-792.015 χ^2/NDF:17.2/14

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

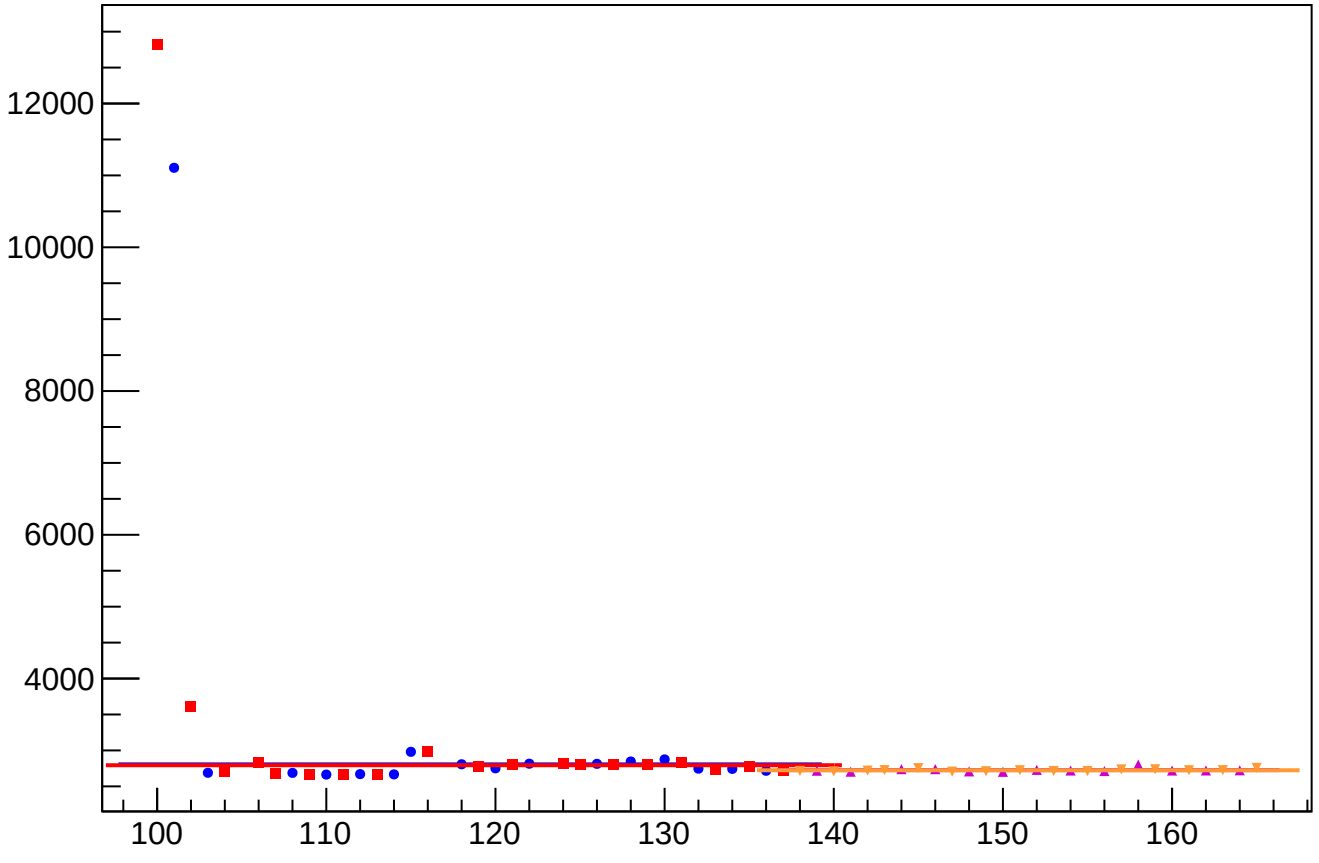
Left In: -2396.984+/-823.141 χ^2/NDF:22.8/12

+ sign 2294.459+/-636.677 χ^2/NDF: 35.0/30

All: -25.060+/-453.086 χ^2/NDF: 95.5/62

- sign -2405.064+/-644.925 χ^2/NDF: 33.6/31

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.012+/-0.560 χ^2/NDF:705.3/14

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

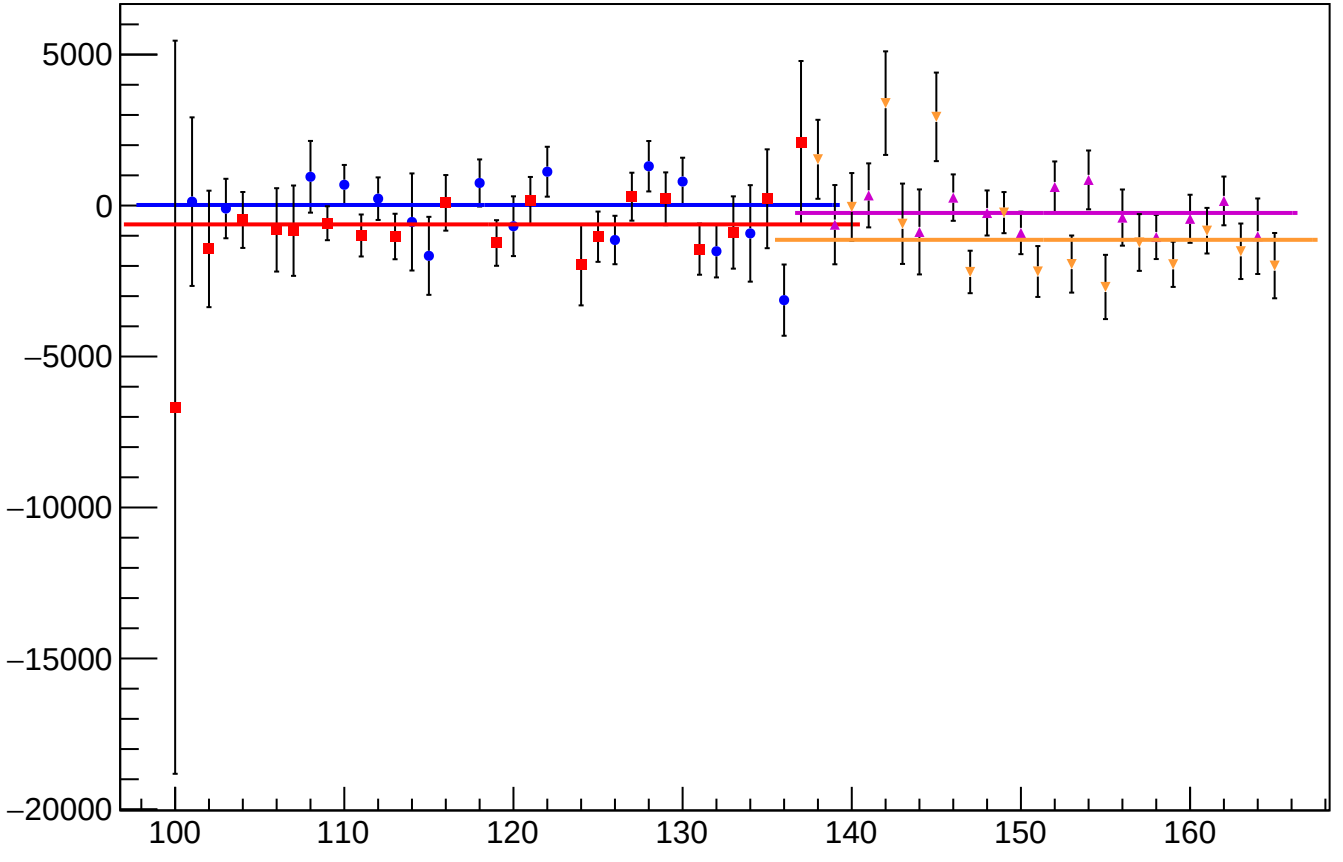
Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

+ sign 2752.823+/-0.450 χ^2/NDF: 754425.3/30

All: 2752.694+/-0.320 χ^2/NDF: 908241.8/62

- sign 2752.562+/-0.456 χ^2/NDF: 153816.3/31

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1135.163+/-242.203 χ^2/NDF:30.5/14

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

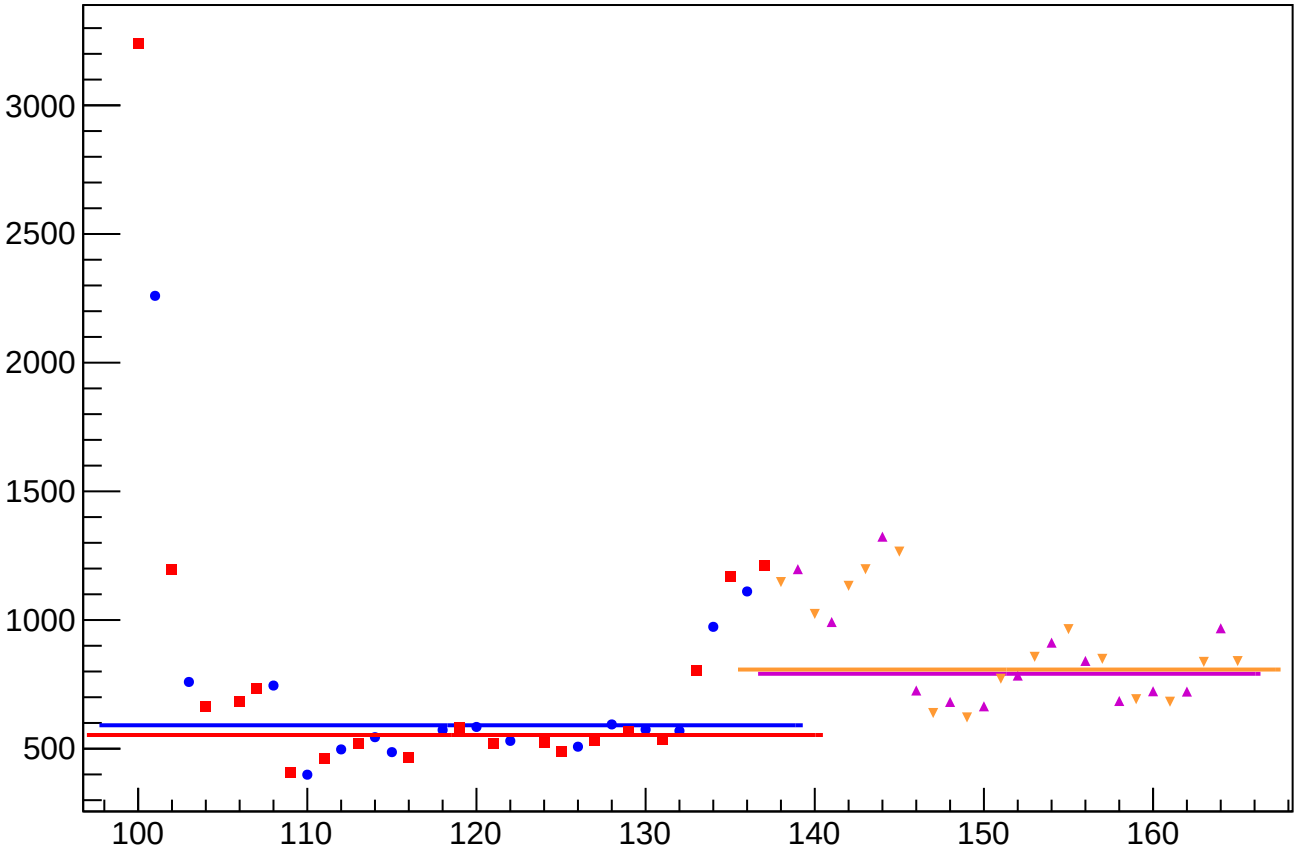
Left In: -244.999+/-244.580 χ^2/NDF:6.1/12

+ sign -536.933+/-168.091 χ^2/NDF: 65.1/30

All: -496.046+/-116.593 χ^2/NDF: 81.7/62

- sign -458.134+/-161.860 χ^2/NDF: 16.6/31

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 807.601+/-0.171 χ^2/NDF:1075658.2/14

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

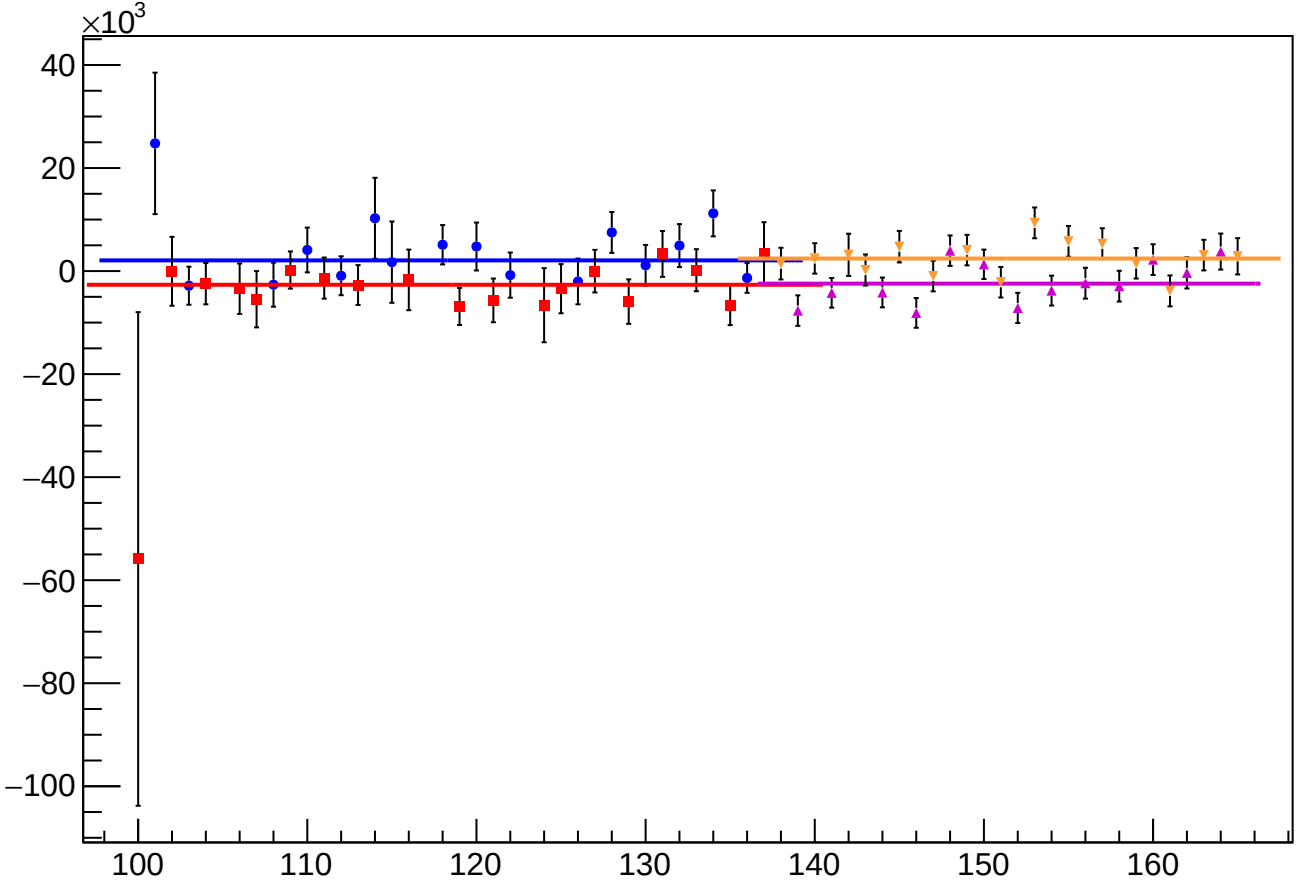
Left In: 791.141+/-0.173 χ^2/NDF:819940.1/12

+ sign 695.346+/-0.119 χ^2/NDF: 3471107.3/30

All: 675.671+/-0.082 χ^2/NDF: 6509097.5/62

- sign 657.428+/-0.114 χ^2/NDF: 2985181.1/31

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2433.733+/-792.570 χ^2/NDF:17.3/14

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

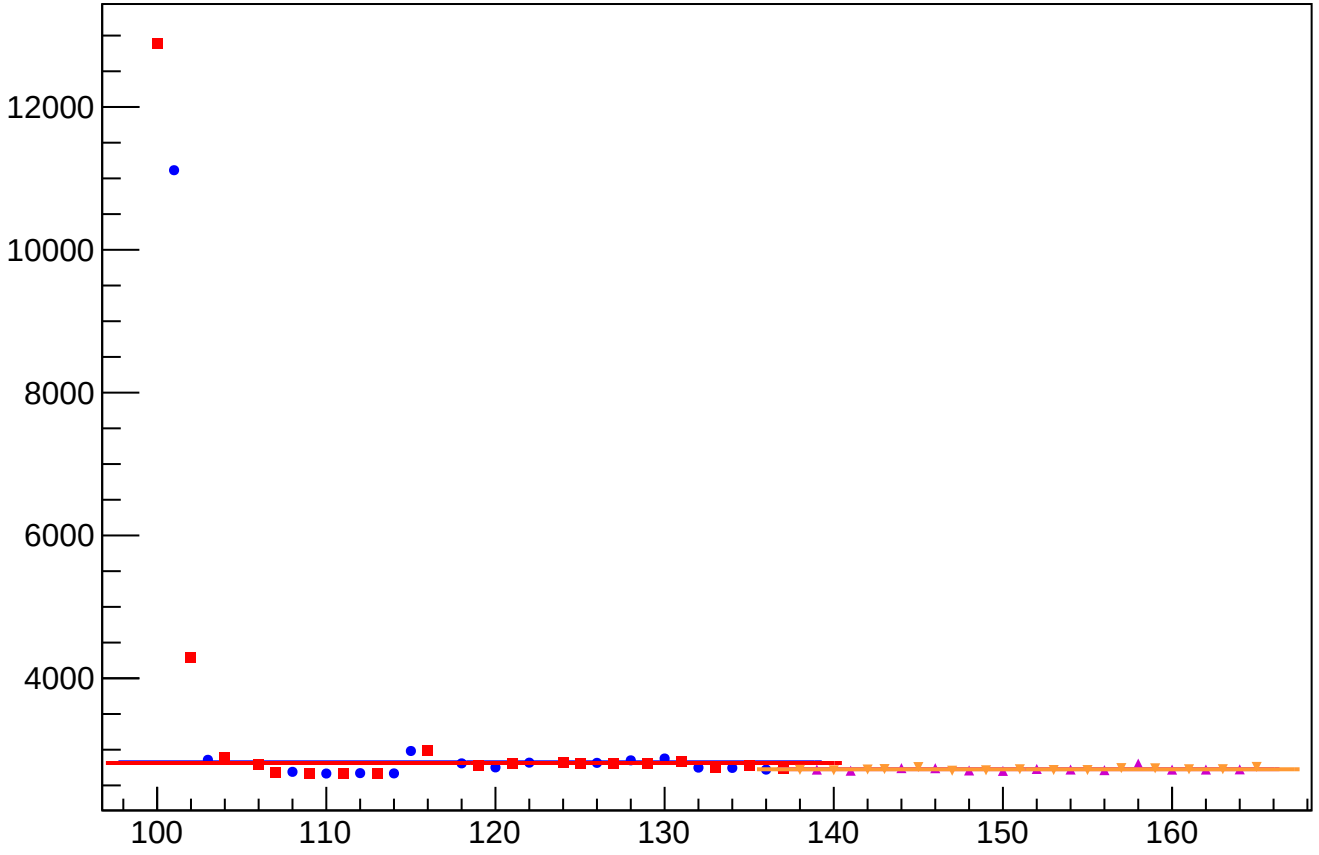
Left In: -2437.945+/-823.635 χ^2/NDF:23.1/12

+ sign 2307.654+/-638.387 χ^2/NDF: 35.3/30

All: -70.780+/-454.774 χ^2/NDF: 96.5/62

- sign -2521.516+/-648.017 χ^2/NDF: 33.1/31

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2725.915+/-0.560 χ^2/NDF:733.7/14

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

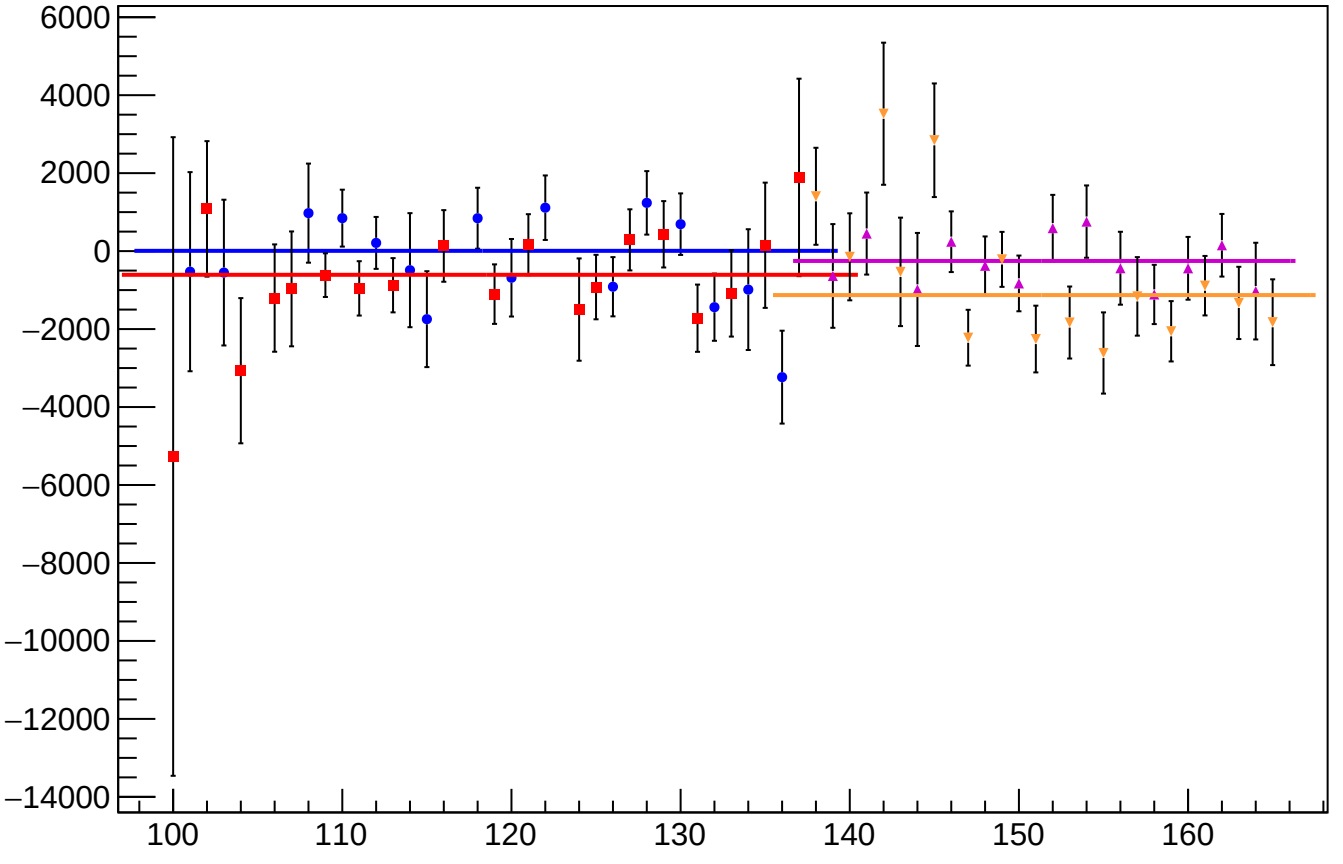
Left In: 2728.022+/-0.582 χ^2/NDF:1854.4/12

+ sign 2760.171+/-0.451 χ^2/NDF: 755287.5/30

All: 2760.437+/-0.322 χ^2/NDF: 965923.2/62

- sign 2760.710+/-0.458 χ^2/NDF: 210635.0/31

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1128.108+/-246.016 χ^2/NDF:29.4/14

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

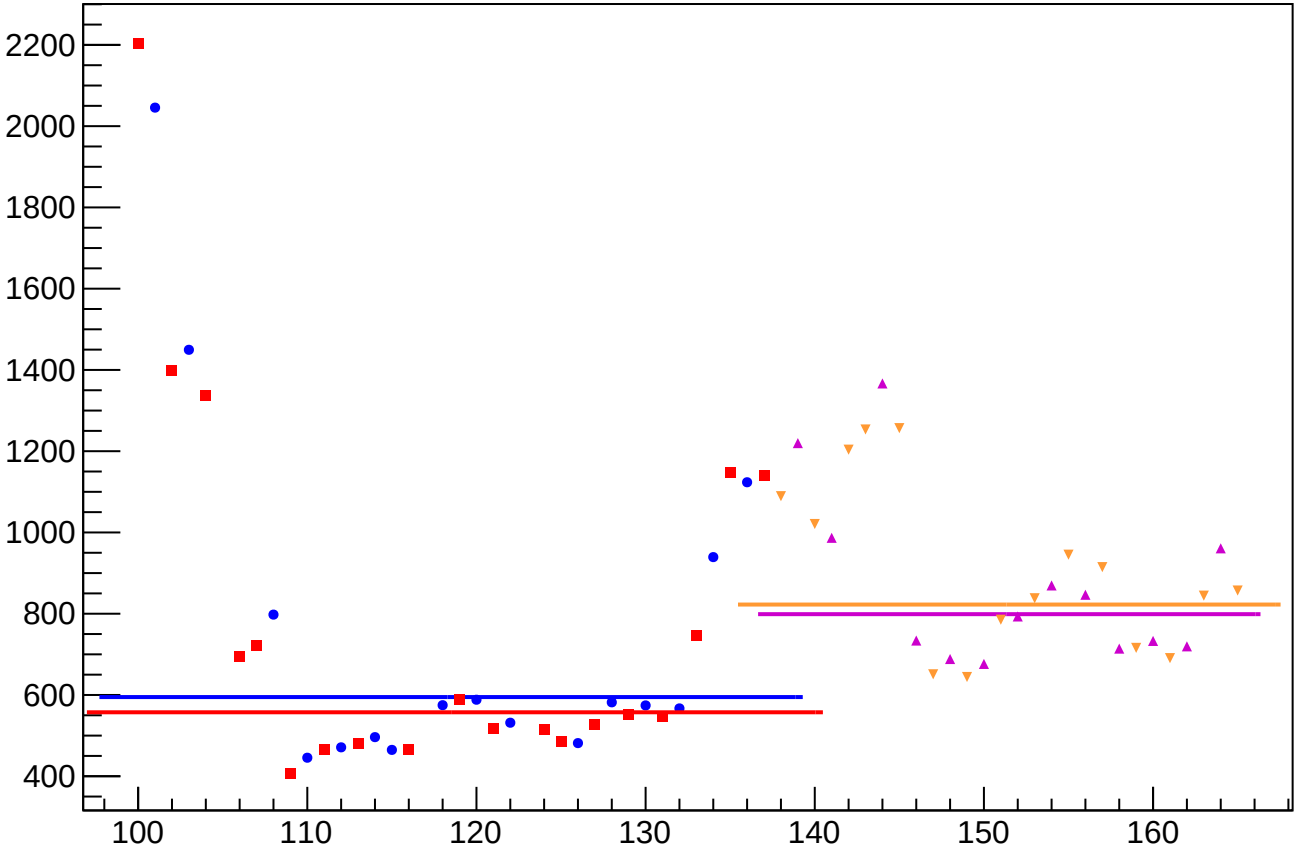
Left In: -252.560+/-246.454 χ^2/NDF:6.0/12

+ sign -540.437+/-170.852 χ^2/NDF: 63.2/30

All: -494.378+/-117.901 χ^2/NDF: 82.7/62

- sign -452.505+/-162.905 χ^2/NDF: 19.4/31

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 822.564+/-0.174 χ^2/NDF:1004310.1/14

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

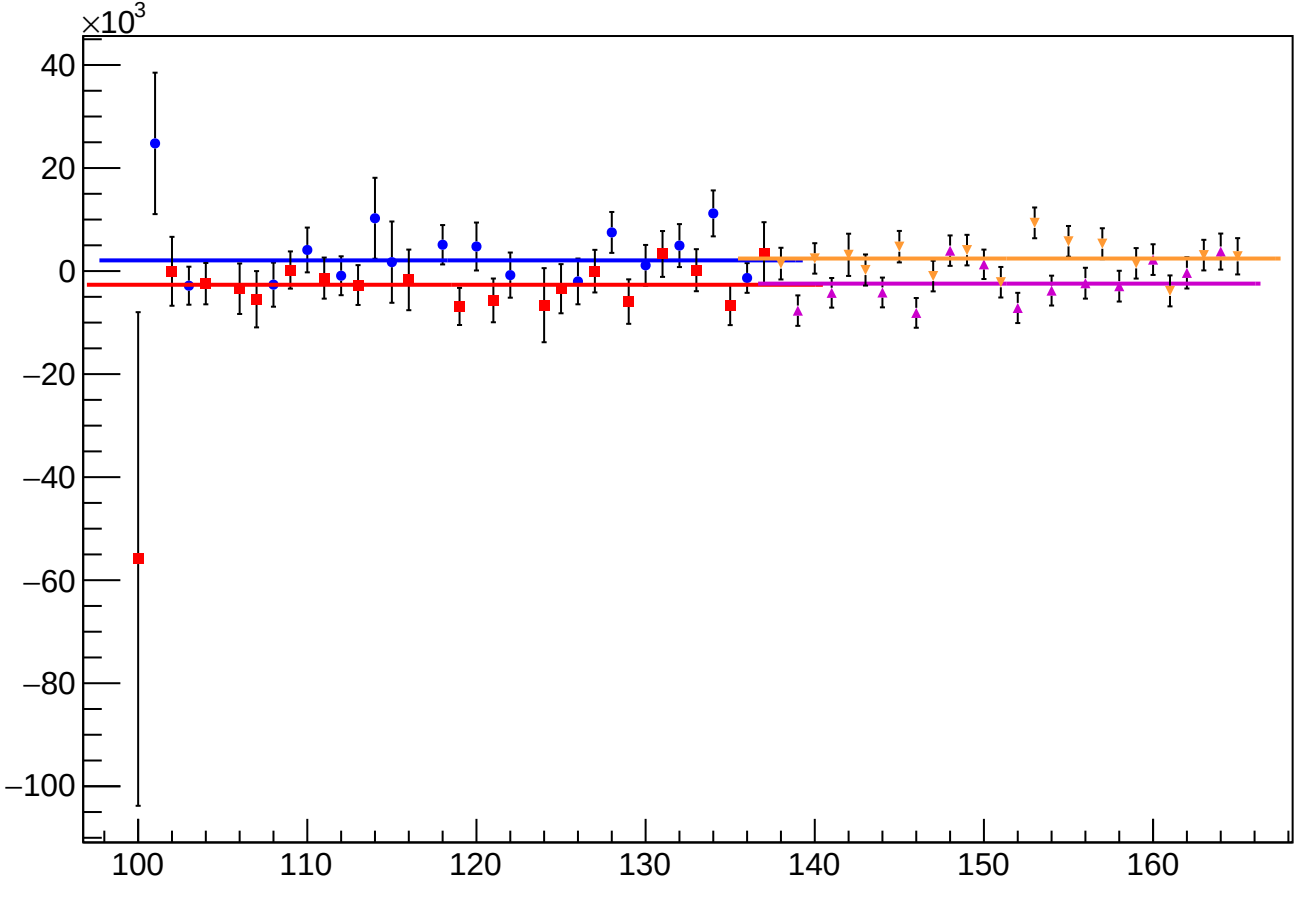
Left In: 798.898+/-0.174 χ^2/NDF:795222.6/12

+ sign 704.680+/-0.121 χ^2/NDF: 3743988.3/30

All: 682.802+/-0.083 χ^2/NDF: 7314489.5/62

- sign 662.912+/-0.115 χ^2/NDF: 3507891.0/31

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2433.734+/-792.570 χ^2/NDF:17.3/14

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

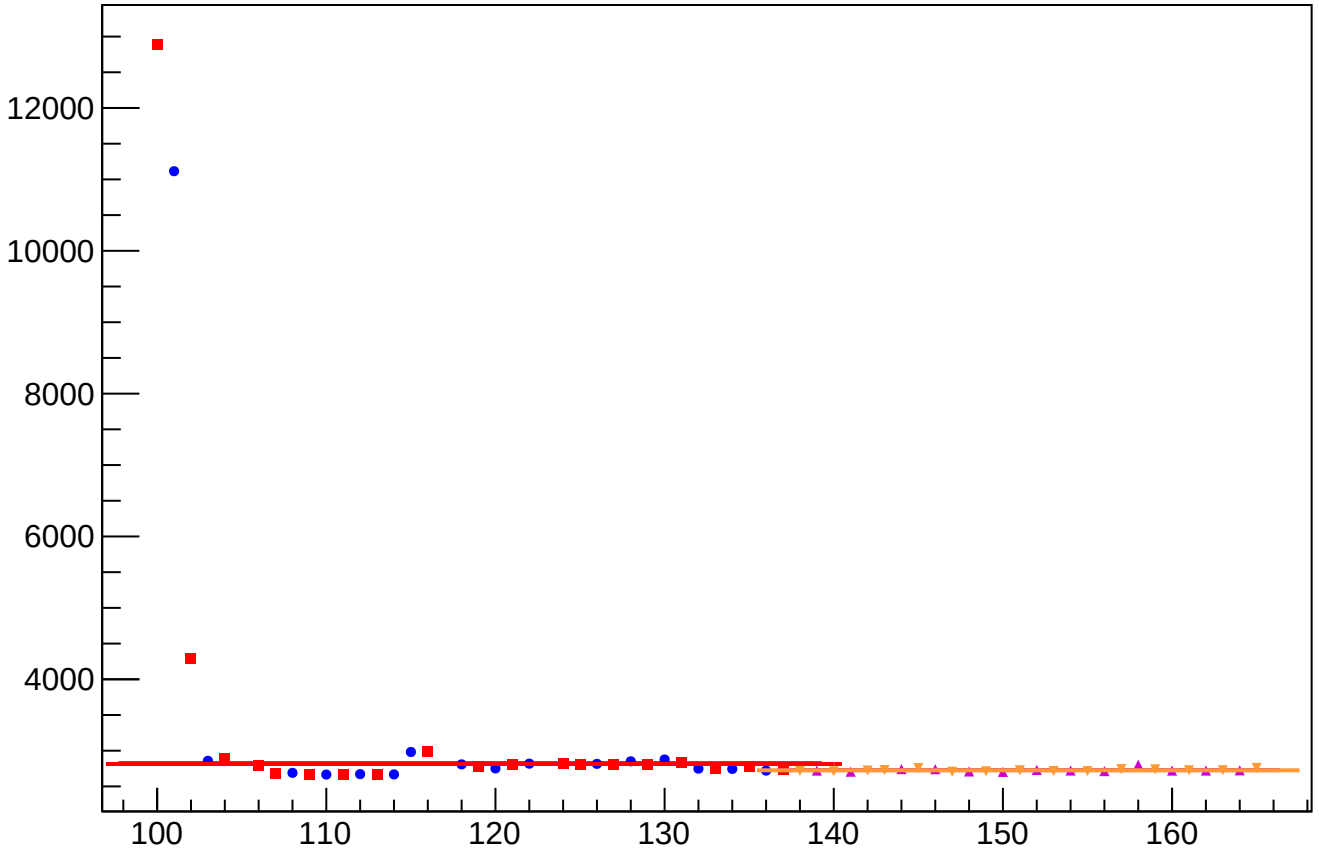
Left In: -2437.945+/-823.635 χ^2/NDF:23.1/12

+ sign 2307.654+/-638.387 χ^2/NDF: 35.3/30

All: -70.779+/-454.774 χ^2/NDF: 96.5/62

- sign -2521.515+/-648.017 χ^2/NDF: 33.1/31

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2725.915+/-0.560 χ^2/NDF:733.7/14

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

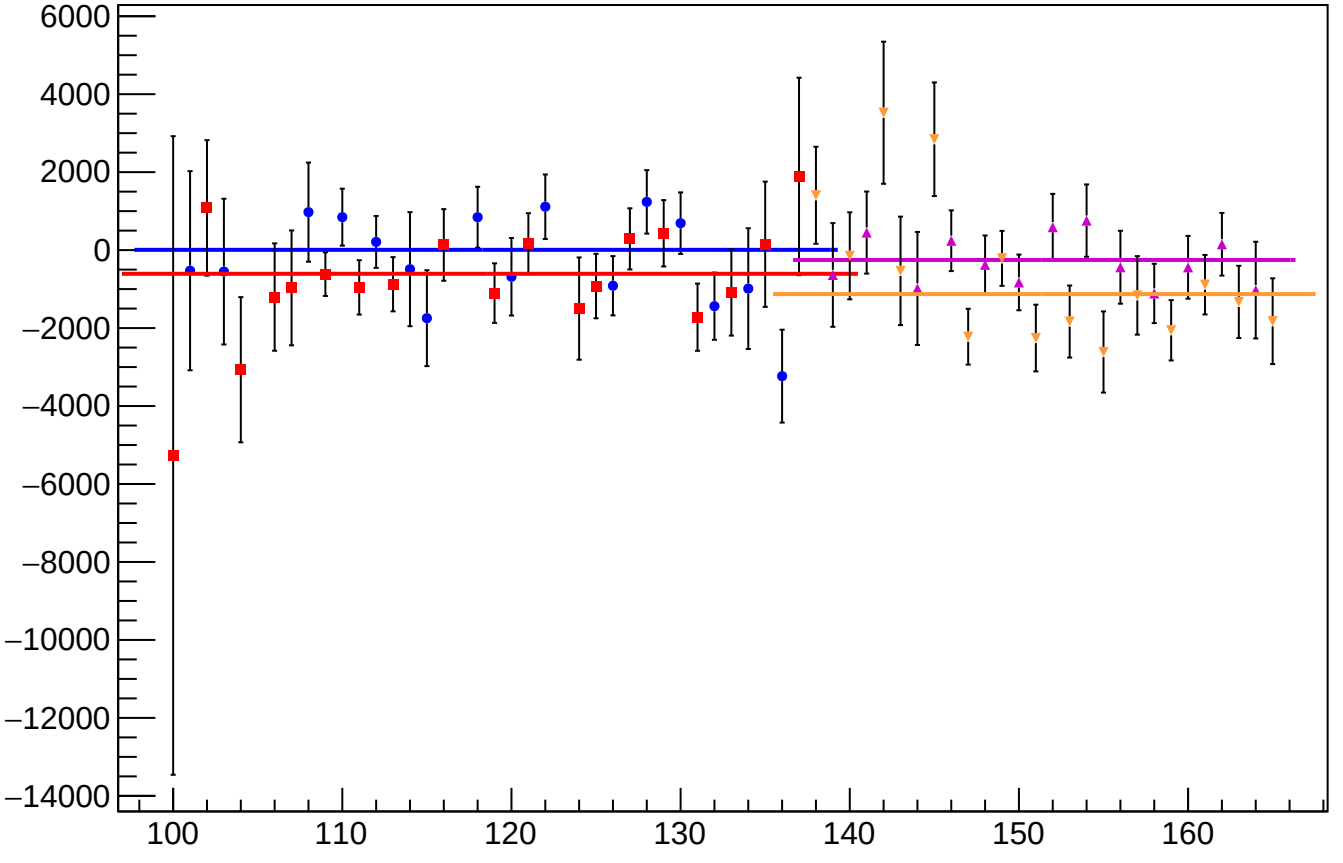
Left In: 2728.022+/-0.582 χ^2/NDF:1854.4/12

+ sign 2760.171+/-0.451 χ^2/NDF: 755287.4/30

All: 2760.437+/-0.322 χ^2/NDF: 965922.9/62

- sign 2760.710+/-0.458 χ^2/NDF: 210634.8/31

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1128.109+/-246.016 χ^2/NDF:29.4/14

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

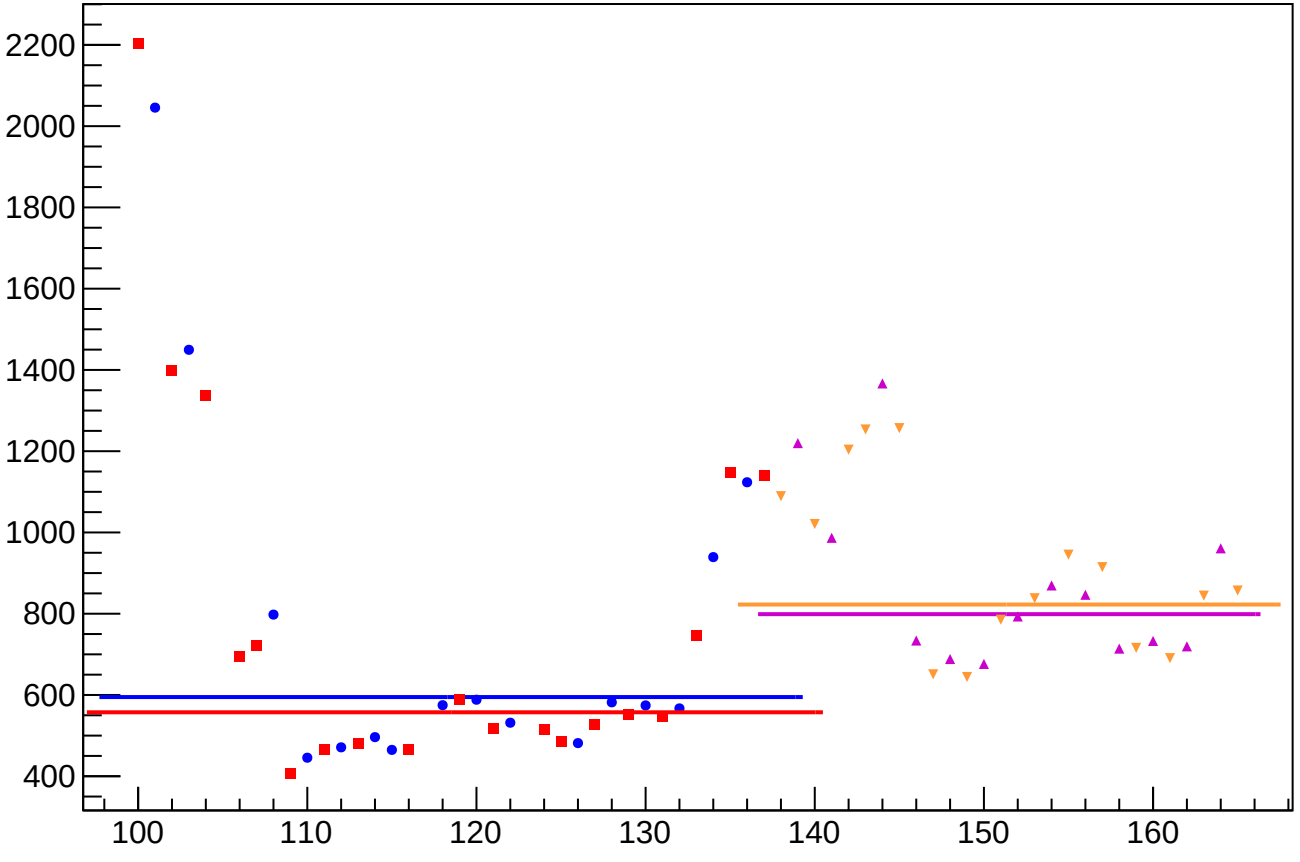
Left In: -252.560+/-246.454 χ^2/NDF:6.0/12

\+ sign -540.437+/-170.852 χ^2/NDF: 63.2/30

All: -494.378+/-117.901 χ^2/NDF: 82.7/62

\- sign -452.505+/-162.905 χ^2/NDF: 19.4/31

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 822.564+/-0.174 χ^2/NDF:1004312.1/14

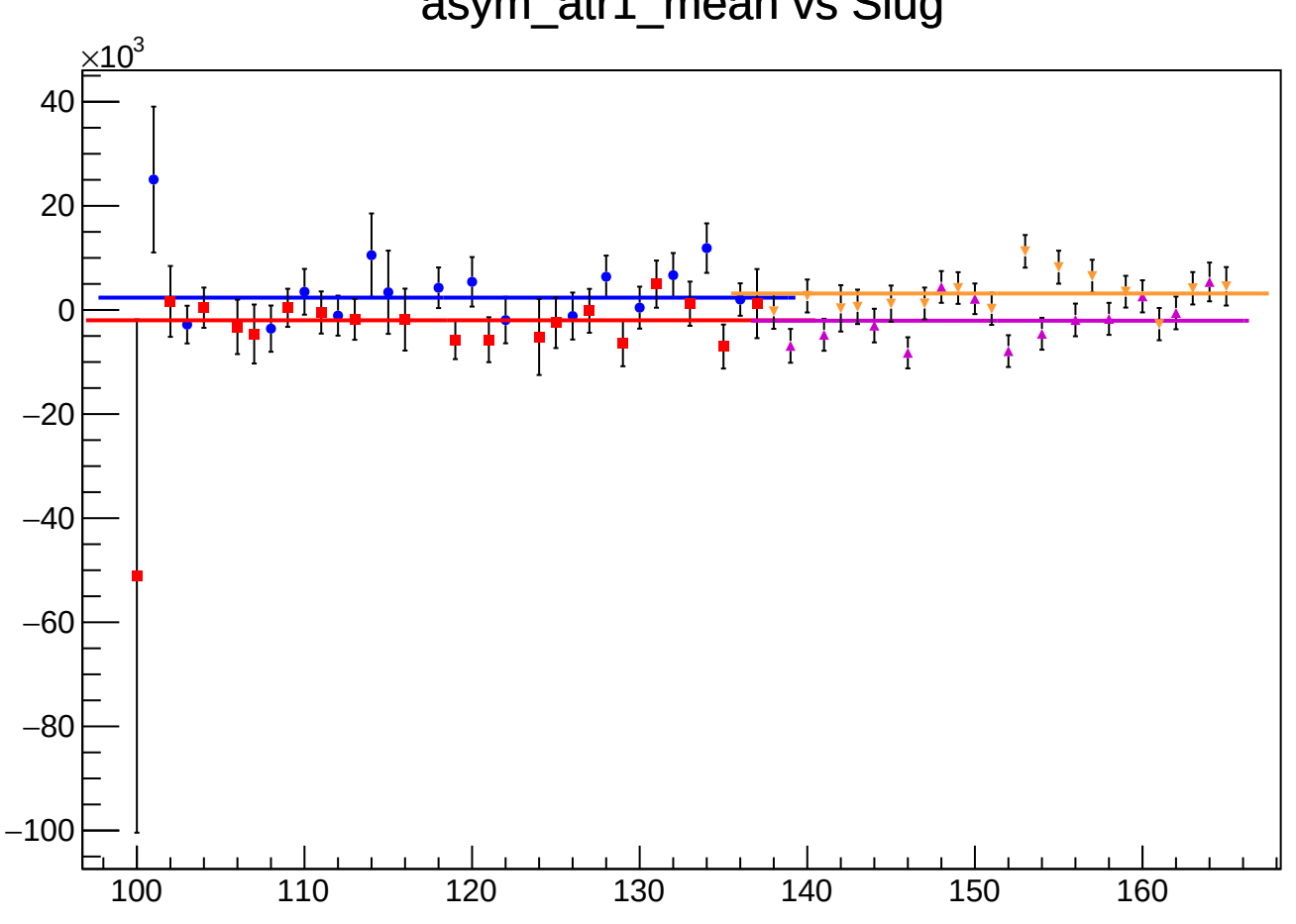
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 798.898+/-0.174 χ^2/NDF:795224.7/12

+ sign 704.681+/-0.121 χ^2/NDF: 3743981.0/30

All: 682.802+/-0.083 χ^2/NDF: 7314479.5/62

- sign 662.912+/-0.115 χ^2/NDF: 3507887.6/31



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3160.218+/-838.015 χ^2/NDF:18.0/14

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

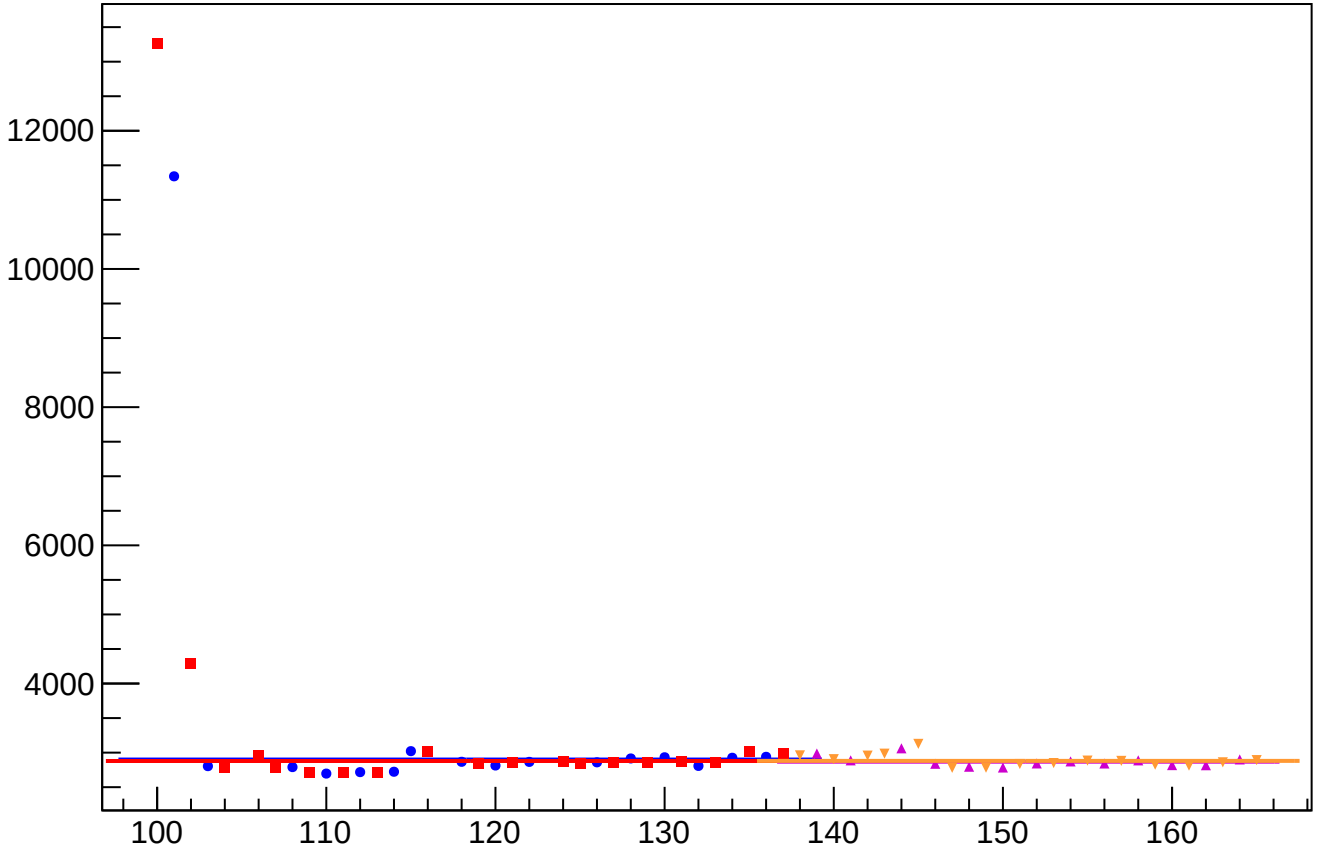
Left In: -2064.437+/-866.524 χ^2/NDF:24.8/12

+ sign 2871.046+/-667.980 χ^2/NDF: 35.2/30

All: 443.147+/-474.697 χ^2/NDF: 97.0/62

- sign -2033.965+/-674.716 χ^2/NDF: 35.1/31

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2880.547+/-0.593 χ^2/NDF:20530.7/14

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

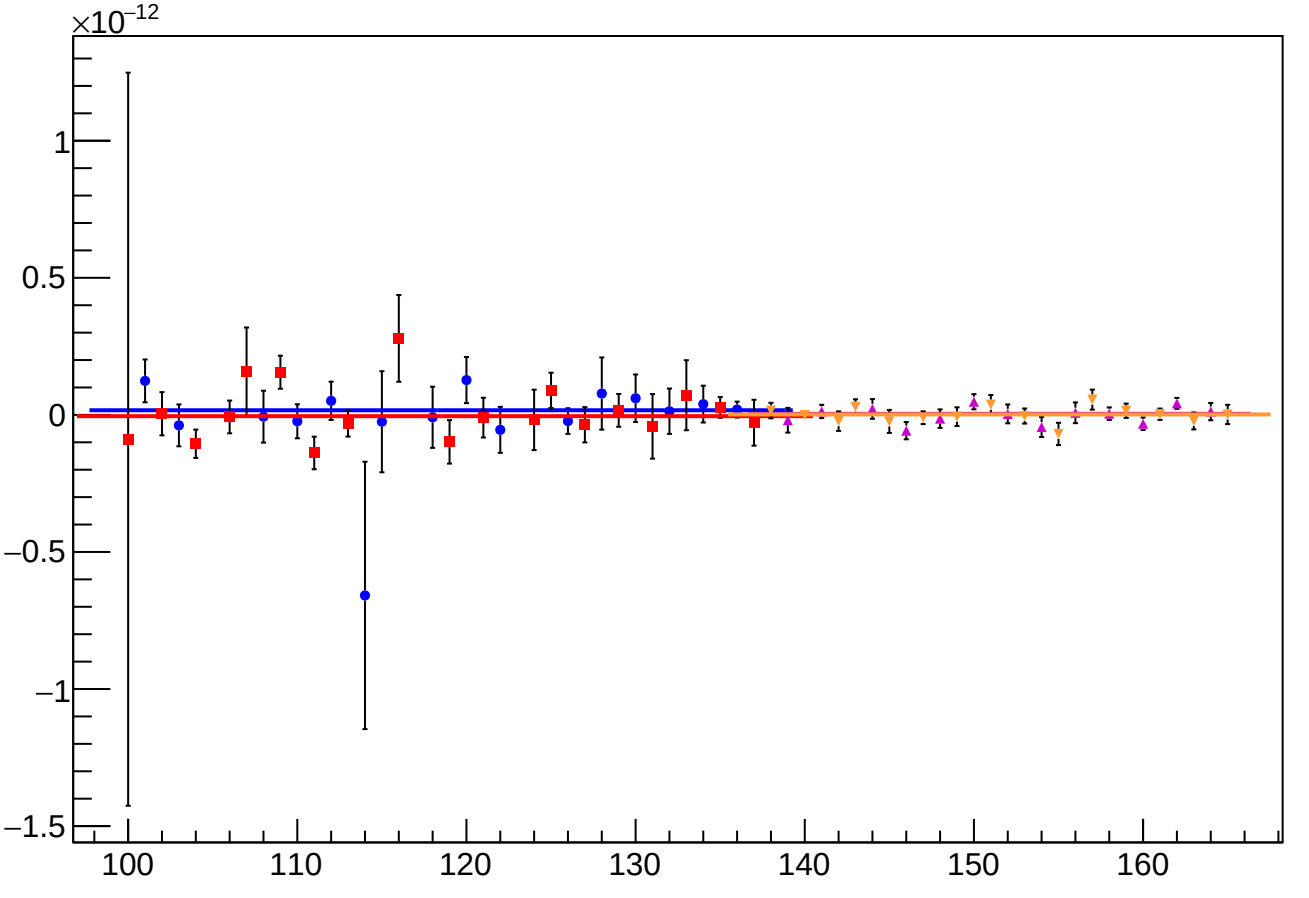
Left In: 2868.988+/-0.613 χ^2/NDF:14462.4/12

+ sign 2887.577+/-0.472 χ^2/NDF: 762734.9/30

All: 2880.318+/-0.336 χ^2/NDF: 971061.1/62

- sign 2872.913+/-0.477 χ^2/NDF: 207849.1/31

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

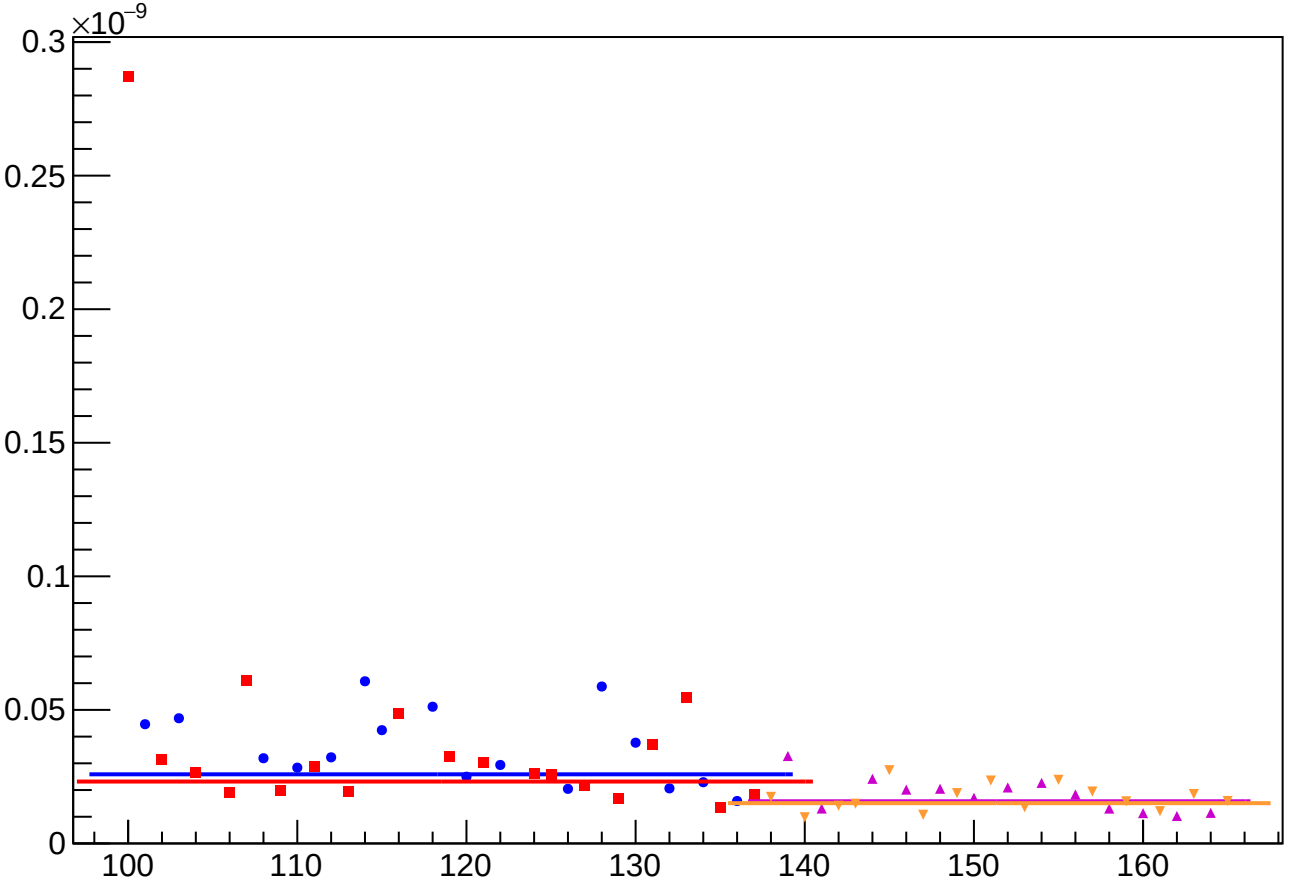
Left In: 0.000+/-0.000 χ^2/NDF:15.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 19.2/30

All: 0.000+/-0.000 χ^2/NDF: 60.4/62

- sign 0.000+/-0.000 χ^2/NDF: 41.2/31

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:759017.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

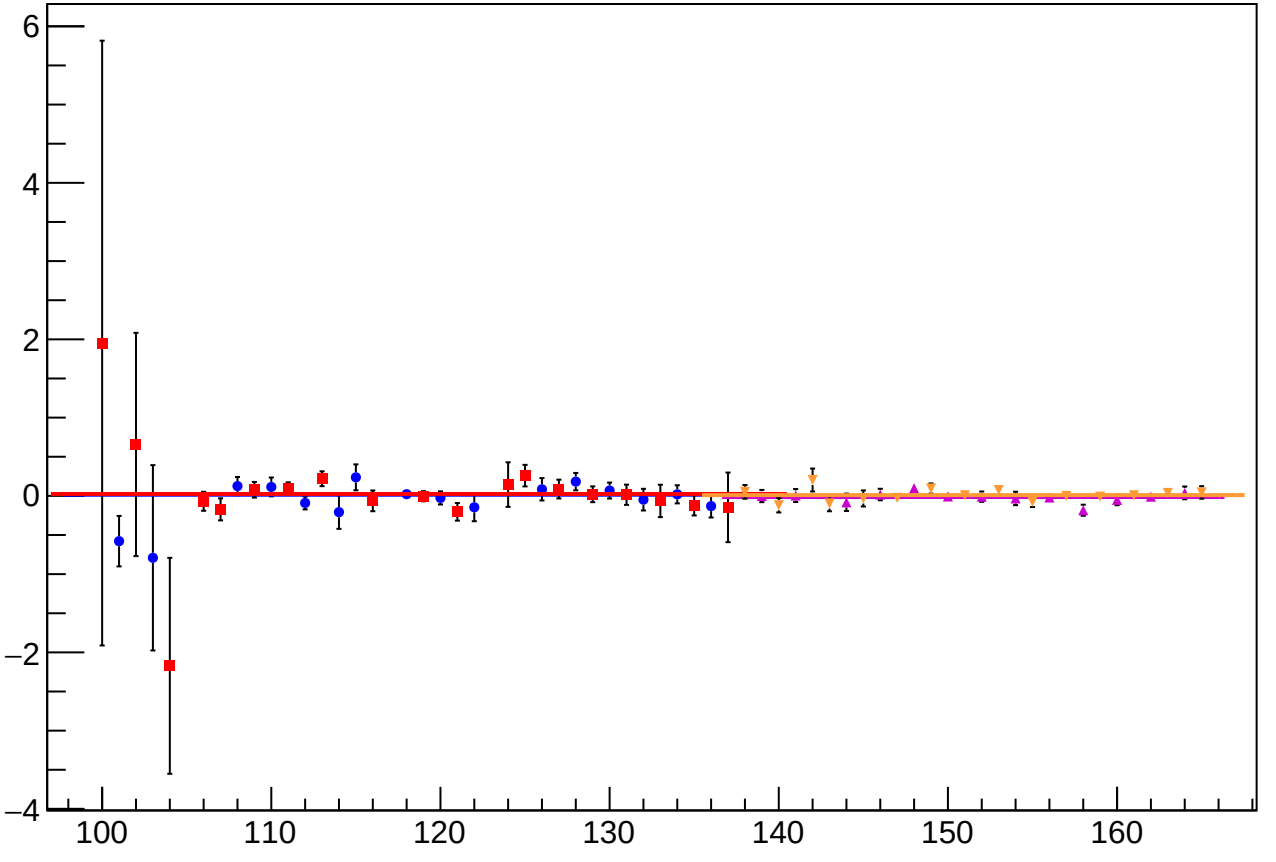
Left In: 0.000+/-0.000 χ^2/NDF:917742.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 2314398.7/30

All: 0.000+/-0.000 χ^2/NDF: 4278876.6/62

- sign 0.000+/-0.000 χ^2/NDF: 1958980.0/31

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

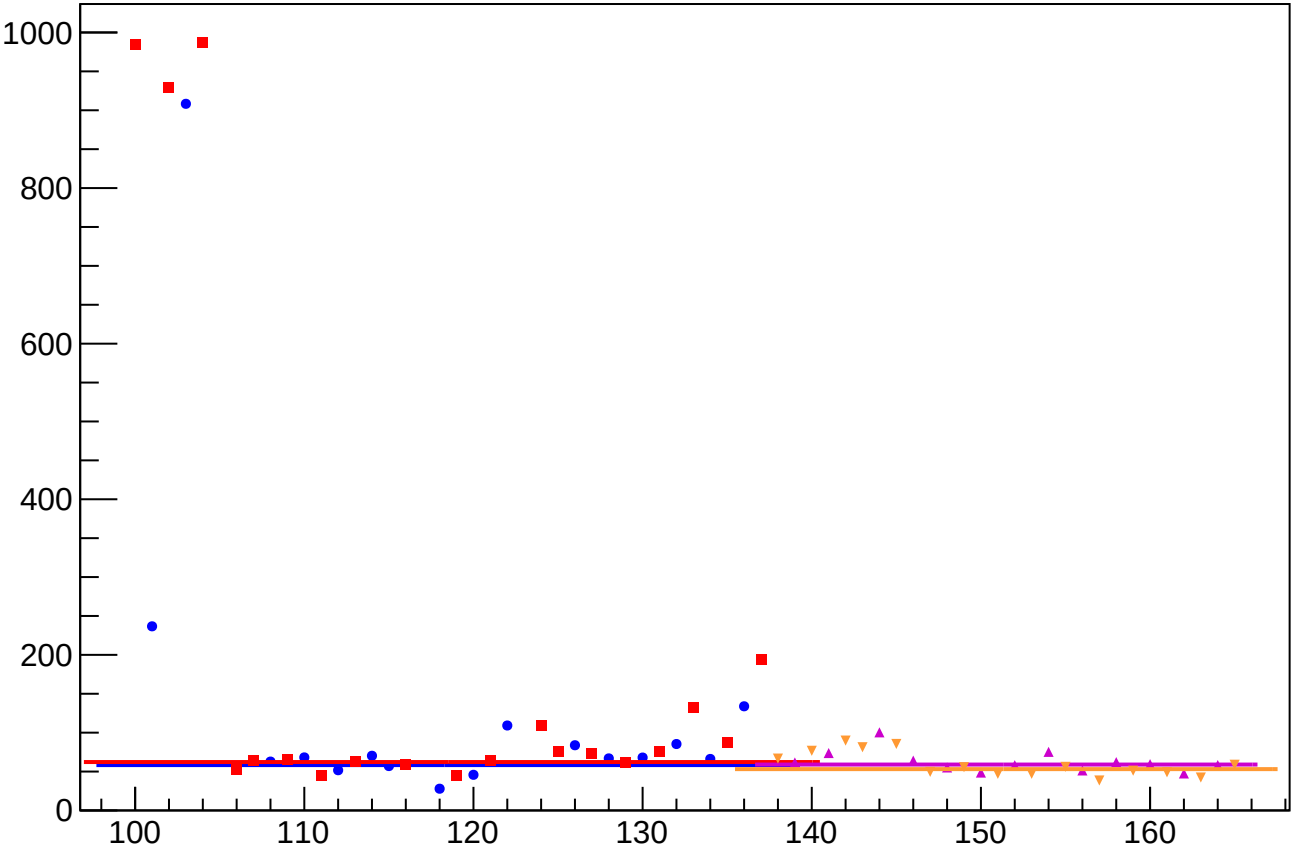
Left In: -0.015+/-0.020 χ^2/NDF:10.2/12

+ sign 0.011+/-0.015 χ^2/NDF: 25.9/30

All: 0.005+/-0.011 χ^2/NDF: 58.5/62

- sign -0.002+/-0.016 χ^2/NDF: 32.3/31

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.134+/-0.013 χ^2/NDF:946652.4/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

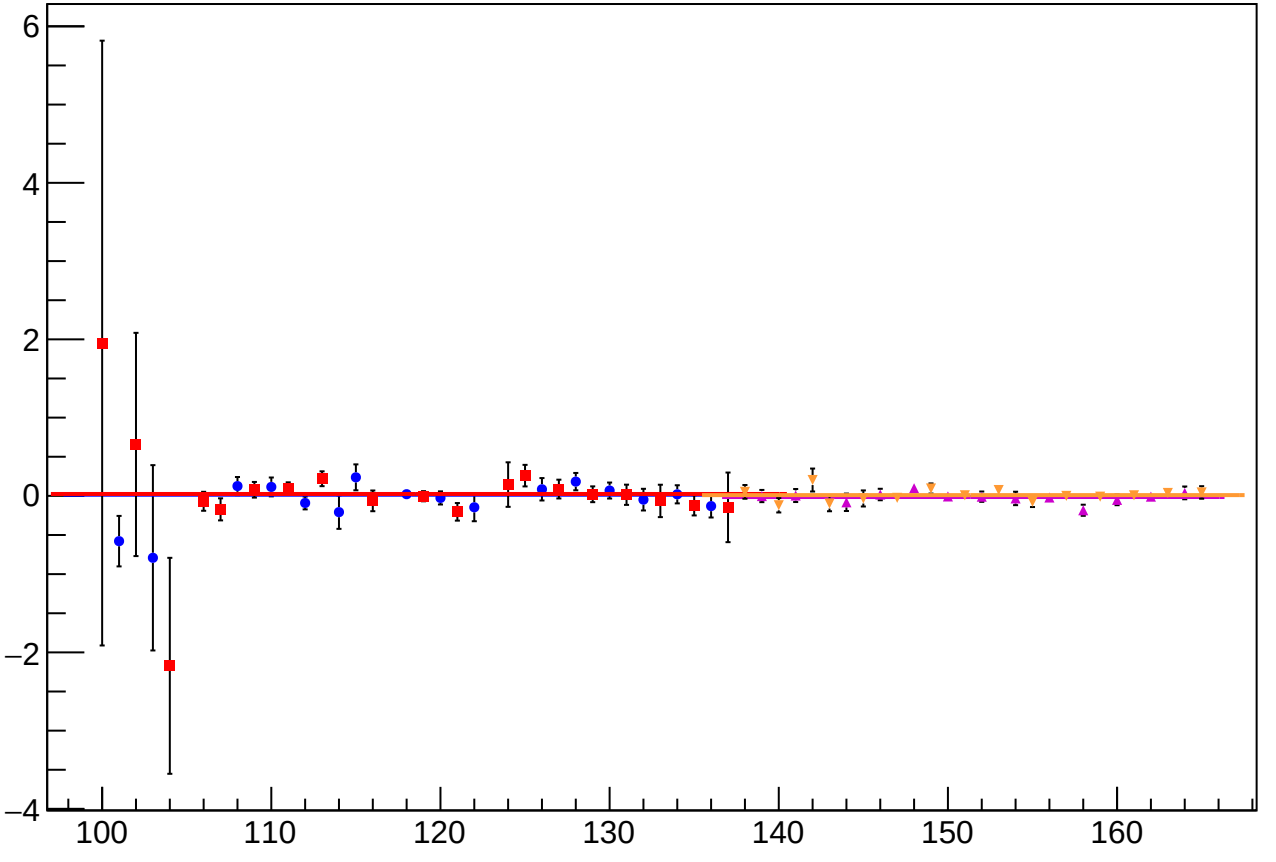
Left In: 58.996+/-0.014 χ^2/NDF:610343.2/12

+ sign 54.627+/-0.011 χ^2/NDF: 4256344.1/30

All: 57.153+/-0.008 χ^2/NDF: 7634471.9/62

- sign 60.052+/-0.011 χ^2/NDF: 3255378.9/31

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

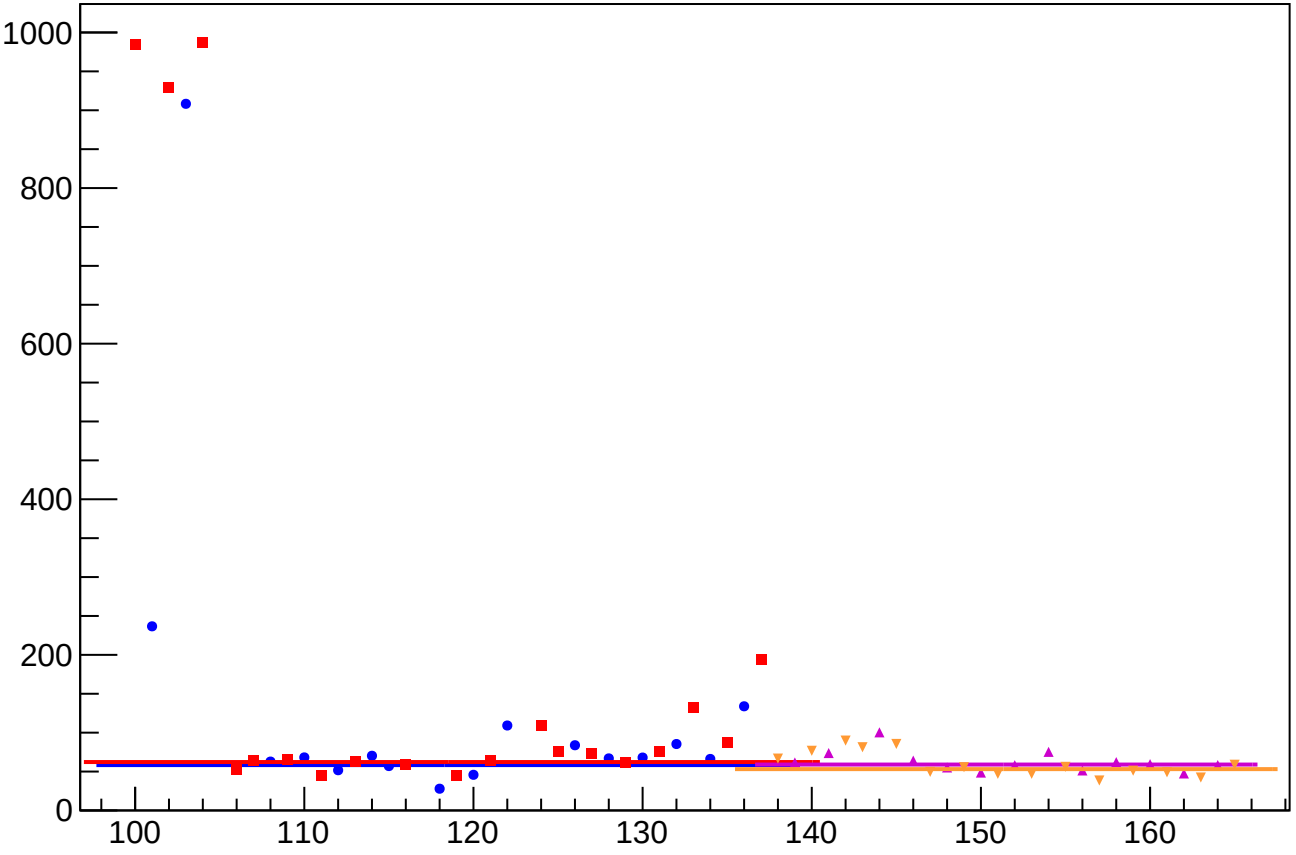
Left In: -0.015+/-0.020 χ^2/NDF:10.2/12

+ sign 0.011+/-0.015 χ^2/NDF: 25.9/30

All: 0.005+/-0.011 χ^2/NDF: 58.5/62

- sign -0.002+/-0.016 χ^2/NDF: 32.3/31

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.134+/-0.013 χ^2/NDF:946652.4/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

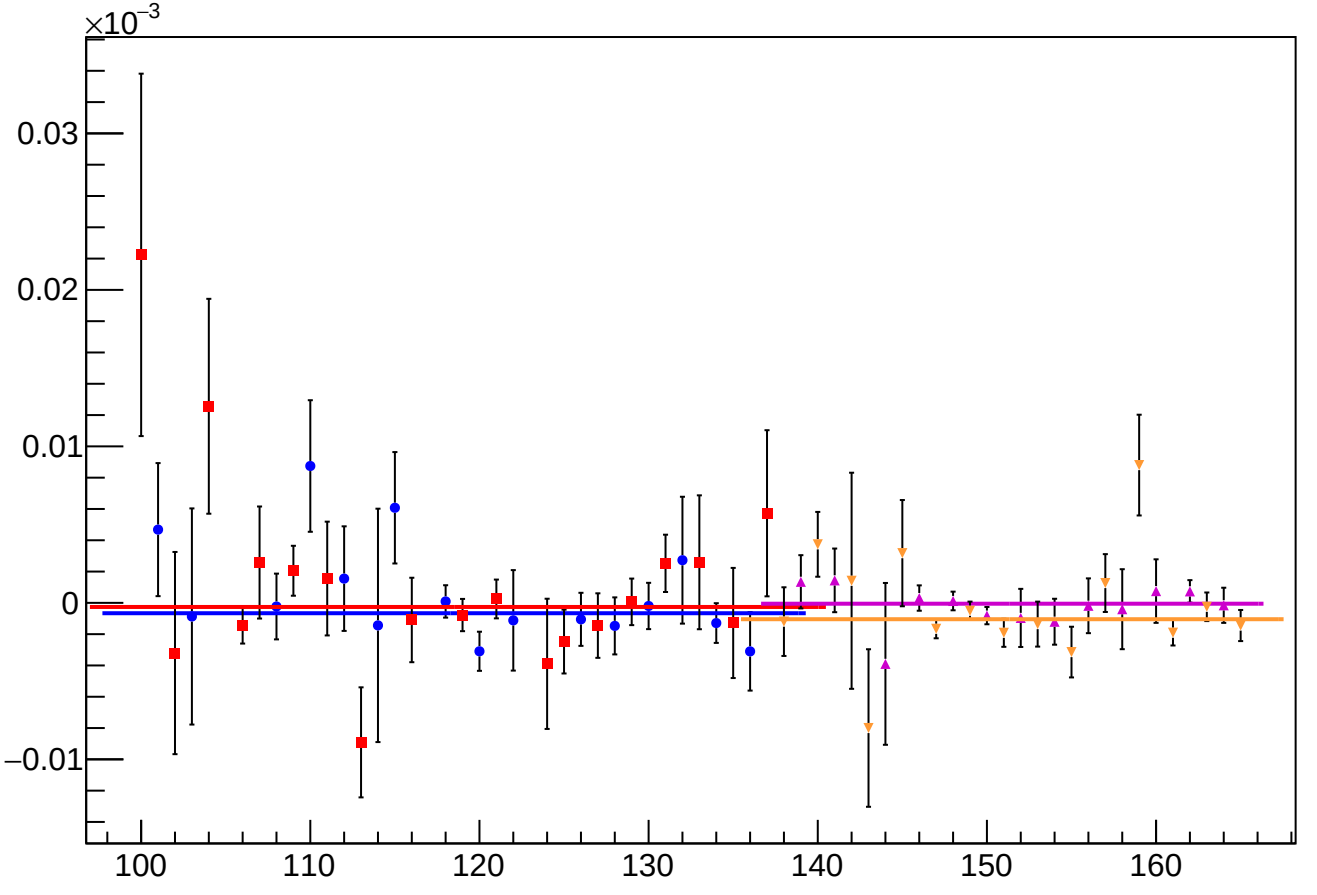
Left In: 58.996+/-0.014 χ^2/NDF:610343.2/12

+ sign 54.627+/-0.011 χ^2/NDF: 4256344.1/30

All: 57.153+/-0.008 χ^2/NDF: 7634471.9/62

- sign 60.052+/-0.011 χ^2/NDF: 3255378.9/31

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

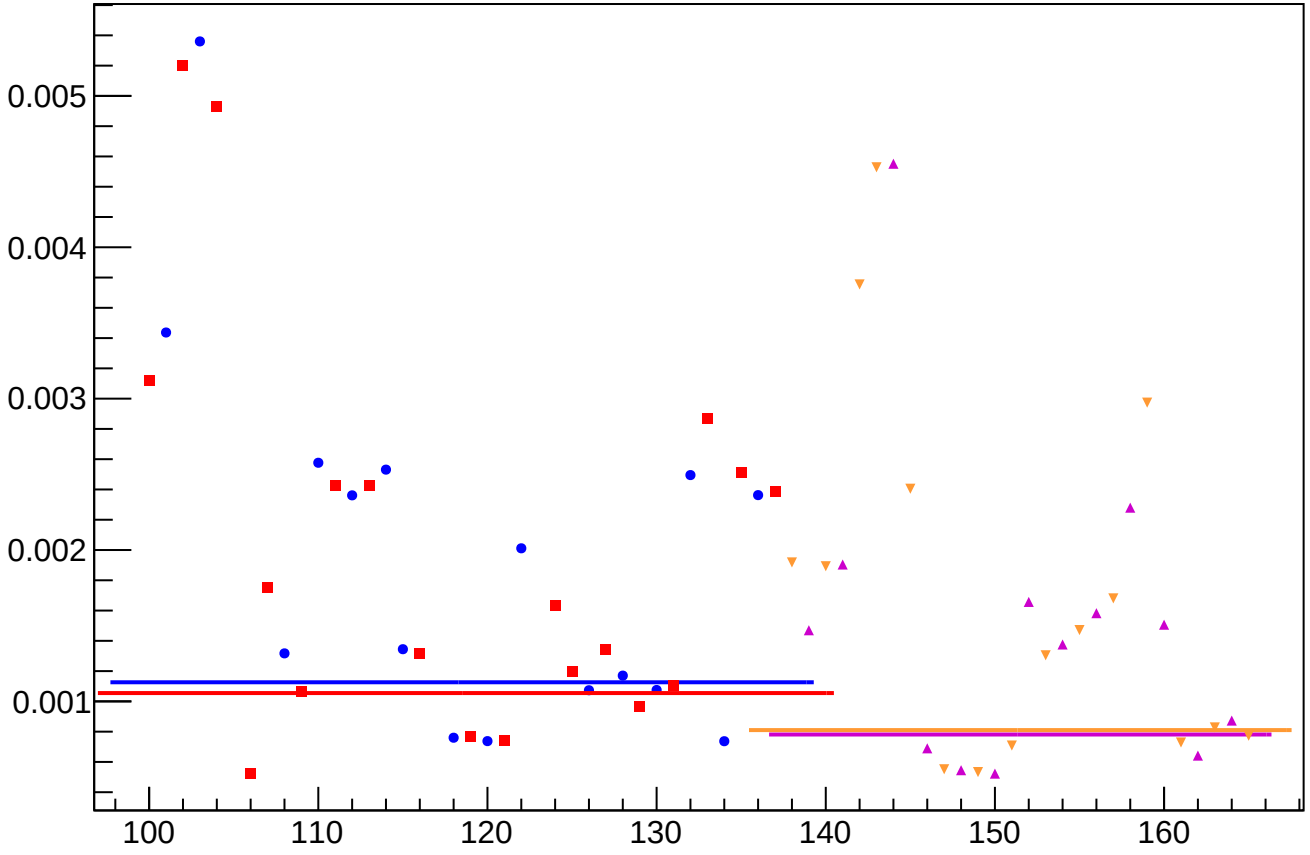
Left In: -0.000+/-0.000 χ^2/NDF:6.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/30

All: -0.000+/-0.000 χ^2/NDF: 80.9/62

- sign -0.000+/-0.000 χ^2/NDF: 30.9/31

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:5732584.6/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

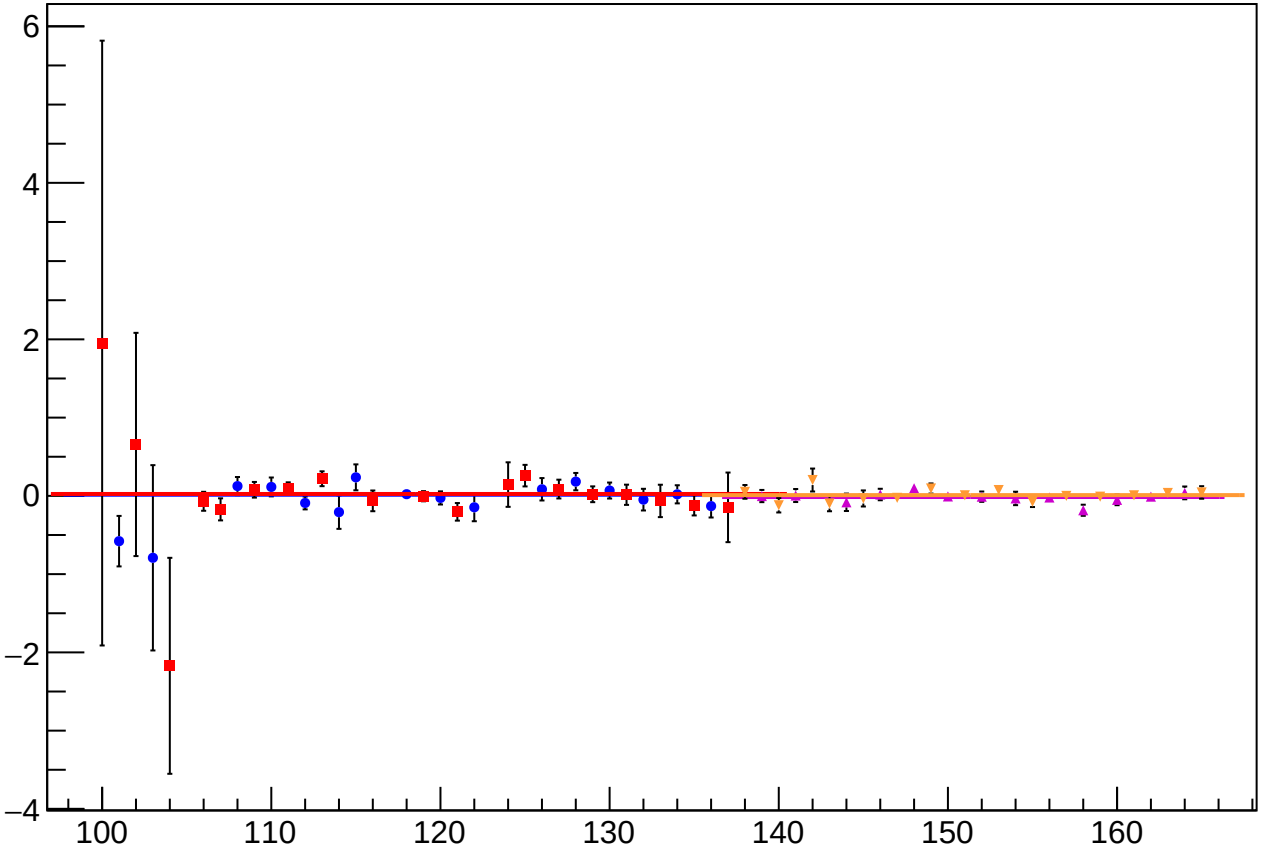
Left In: 0.001+/-0.000 χ^2/NDF:5002338.3/12

+ sign 0.001+/-0.000 χ^2/NDF: 9808354.7/30

All: 0.001+/-0.000 χ^2/NDF: 19184681.2/62

- sign 0.001+/-0.000 χ^2/NDF: 9356739.2/31

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

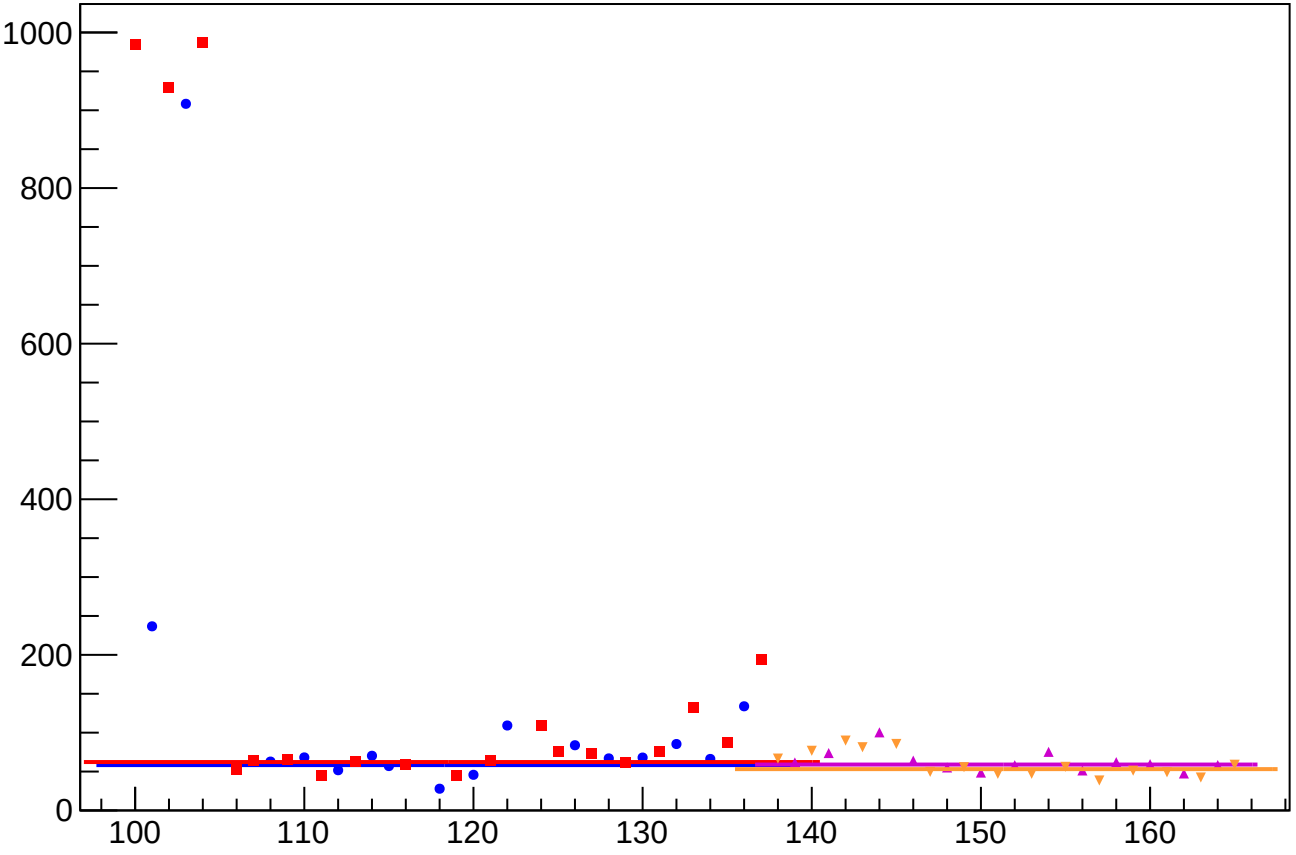
Left In: -0.015+/-0.020 χ^2/NDF:10.2/12

+ sign 0.011+/-0.015 χ^2/NDF: 25.9/30

All: 0.005+/-0.011 χ^2/NDF: 58.5/62

- sign -0.002+/-0.016 χ^2/NDF: 32.3/31

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.133+/-0.013 χ^2/NDF:946704.2/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

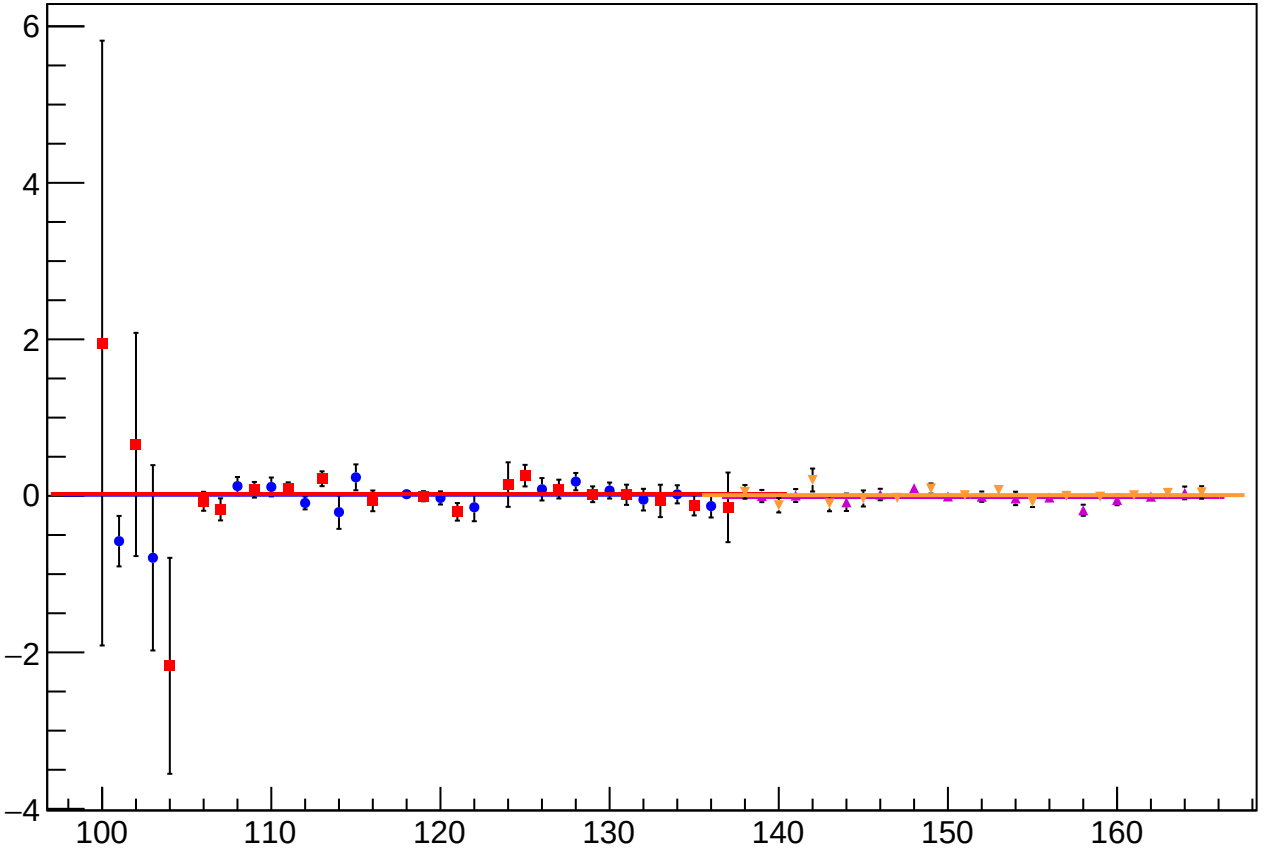
Left In: 58.995+/-0.014 χ^2/NDF:610366.5/12

\+ sign 54.626+/-0.011 χ^2/NDF: 4256474.0/30

All: 57.153+/-0.008 χ^2/NDF: 7634647.1/62

\- sign 60.052+/-0.011 χ^2/NDF: 3255392.7/31

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: 0.010+/-0.018 χ^2/NDF:10.8/14

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

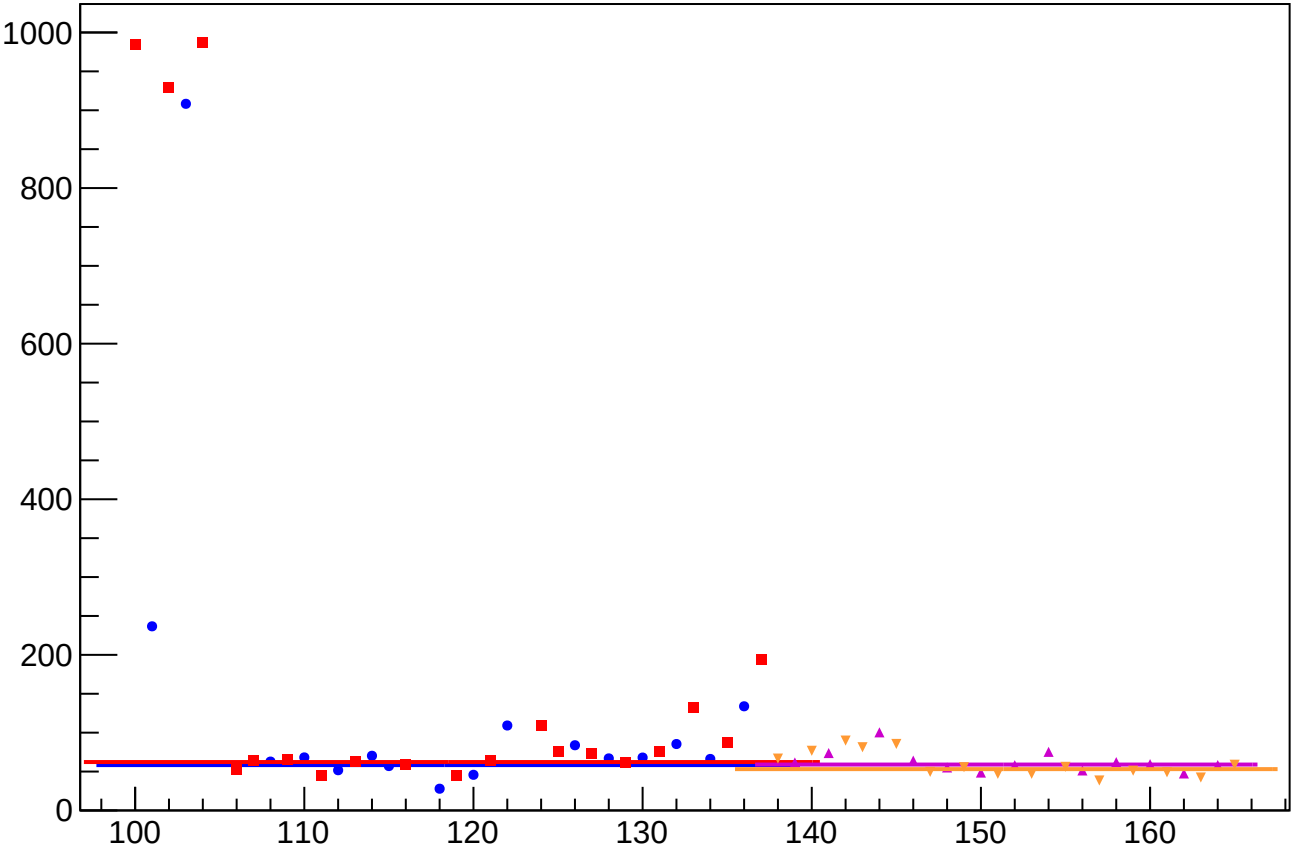
Left In: -0.015+/-0.020 χ^2/NDF:10.2/12

+ sign 0.011+/-0.015 χ^2/NDF: 25.9/30

All: 0.005+/-0.011 χ^2/NDF: 58.5/62

- sign -0.002+/-0.016 χ^2/NDF: 32.3/31

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: 53.133+/-0.013 χ^2/NDF:946704.2/14

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

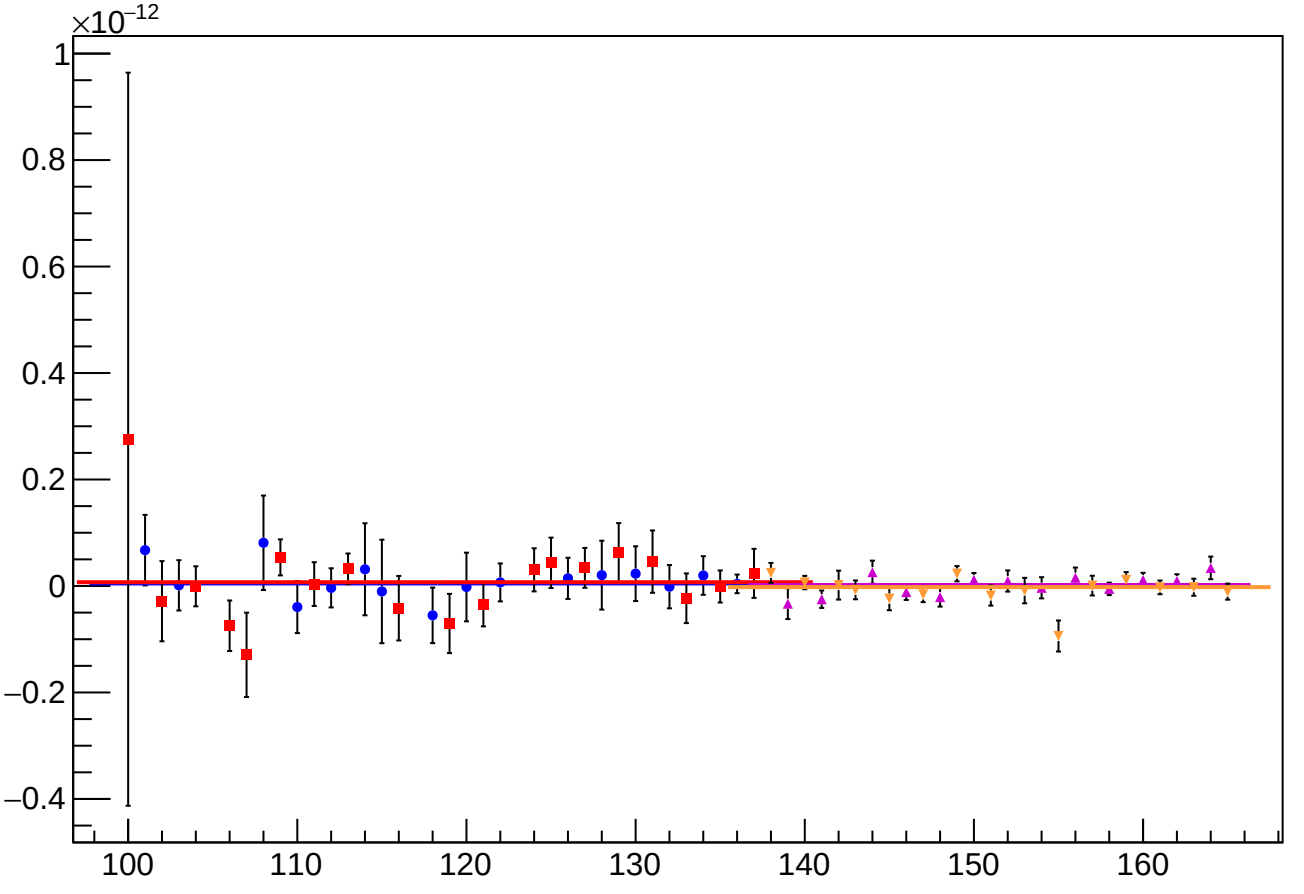
Left In: 58.995+/-0.014 χ^2/NDF:610366.5/12

\+ sign 54.626+/-0.011 χ^2/NDF: 4256474.0/30

All: 57.153+/-0.008 χ^2/NDF: 7634647.1/62

\- sign 60.052+/-0.011 χ^2/NDF: 3255392.7/31

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

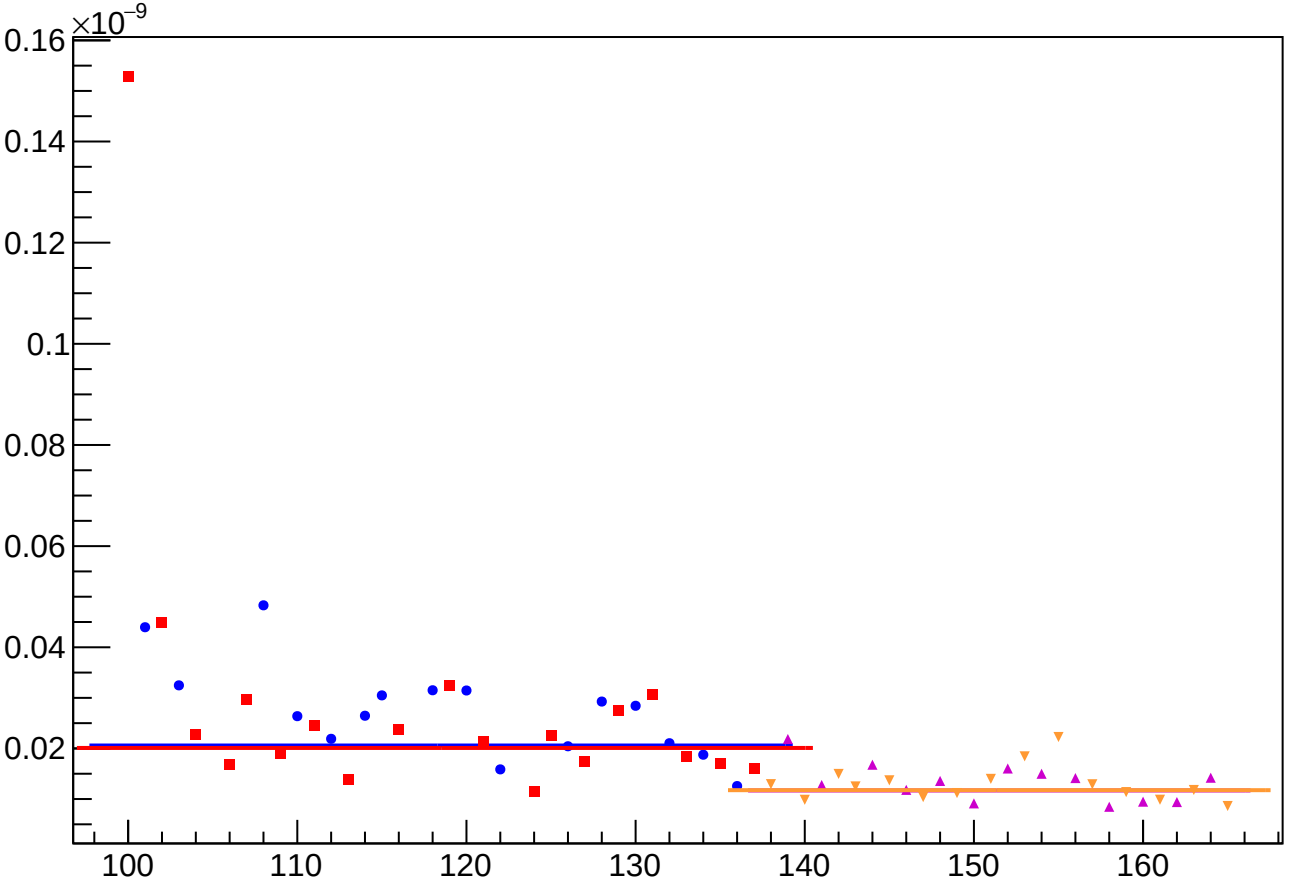
Left In: 0.000+/-0.000 χ^2/NDF:12.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.3/30

All: 0.000+/-0.000 χ^2/NDF: 53.6/62

- sign 0.000+/-0.000 χ^2/NDF: 28.9/31

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:704799.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

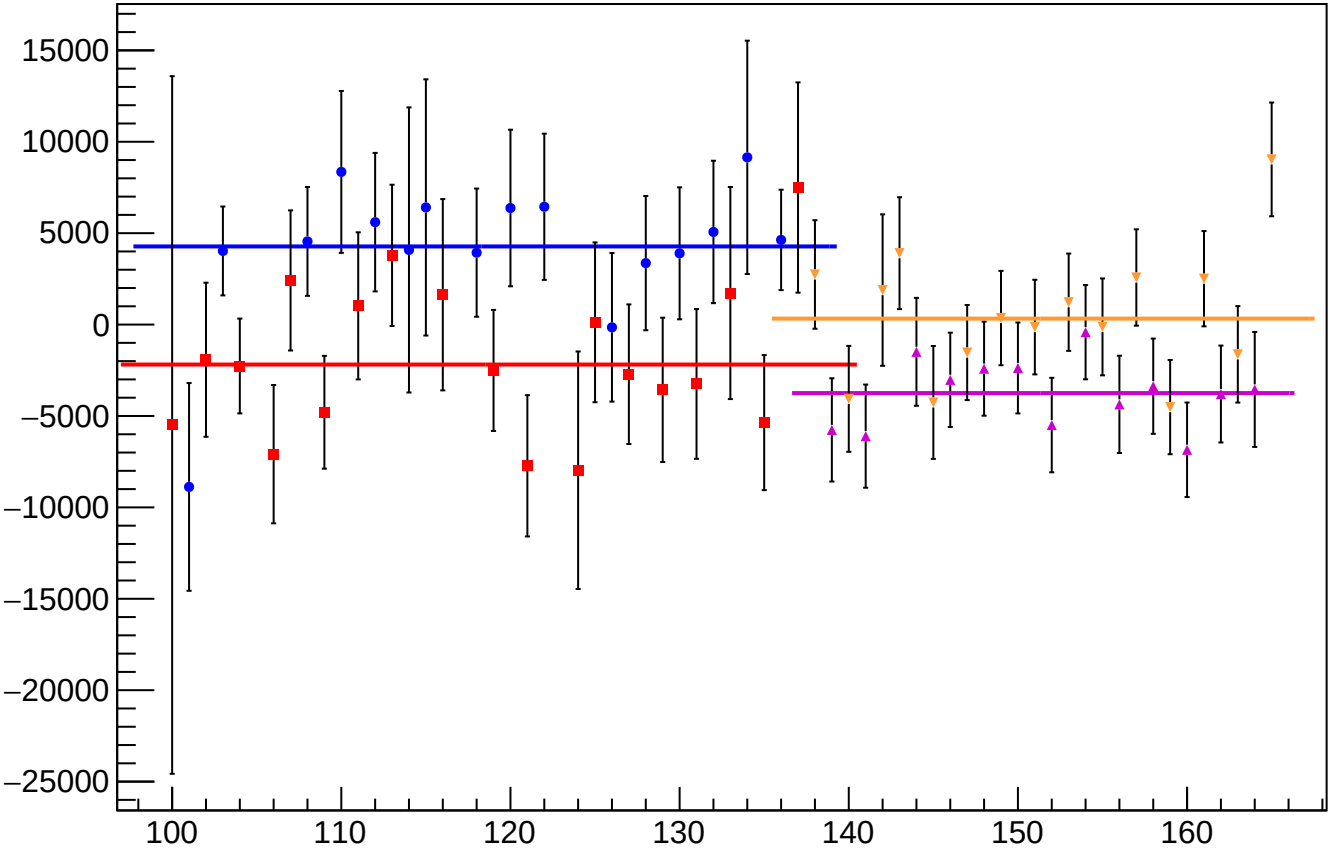
Left In: 0.000+/-0.000 χ^2/NDF:951276.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 3282314.7/30

All: 0.000+/-0.000 χ^2/NDF: 6201010.6/62

- sign 0.000+/-0.000 χ^2/NDF: 2918655.9/31

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 327.122+/-721.219 χ^2/NDF:20.7/14

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

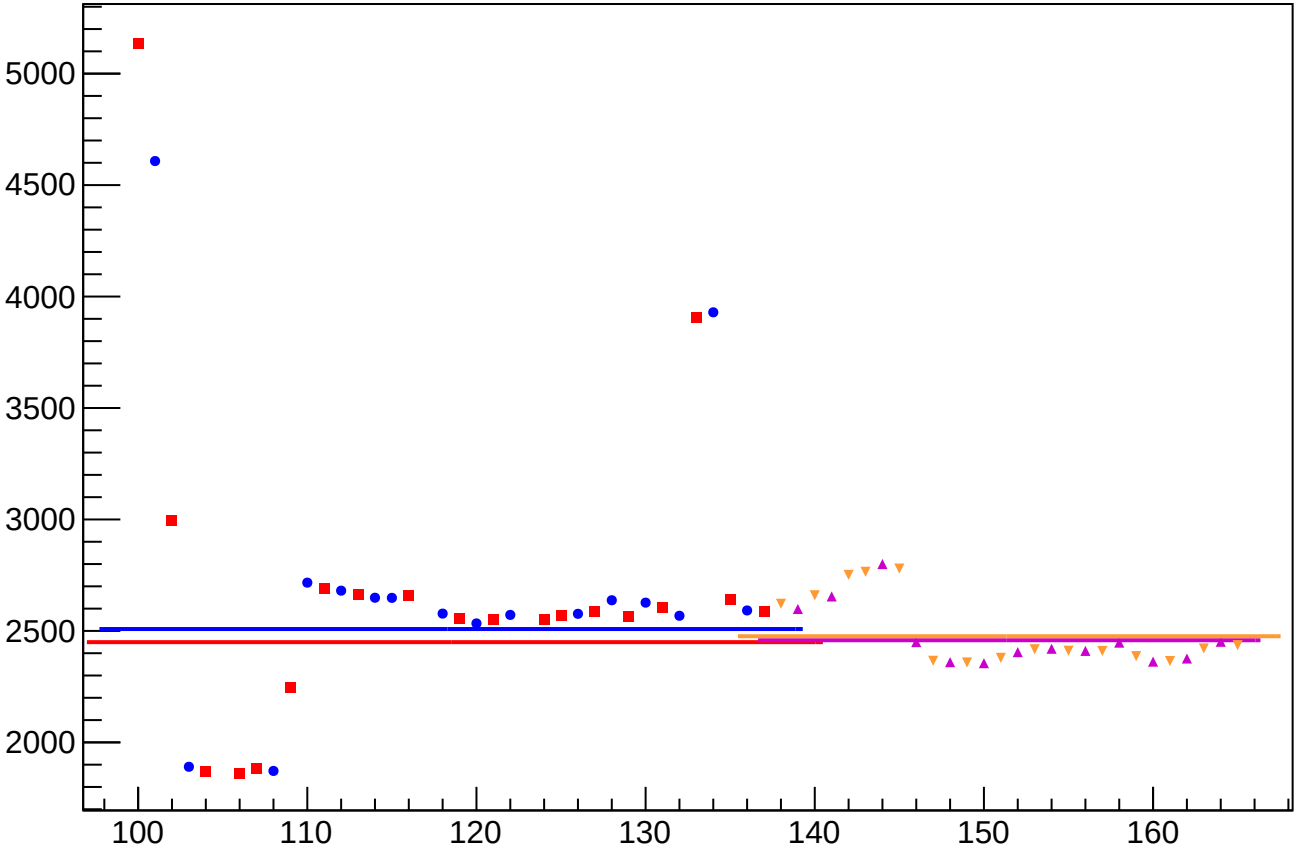
Left In: -3747.074+/-743.107 χ^2/NDF:6.1/12

+ sign 1766.574+/-574.866 χ^2/NDF: 40.5/30

All: -667.096+/-407.807 χ^2/NDF: 99.2/62

- sign -3132.527+/-578.605 χ^2/NDF: 22.6/31

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2476.095+/-0.510 χ^2/NDF:80081.1/14

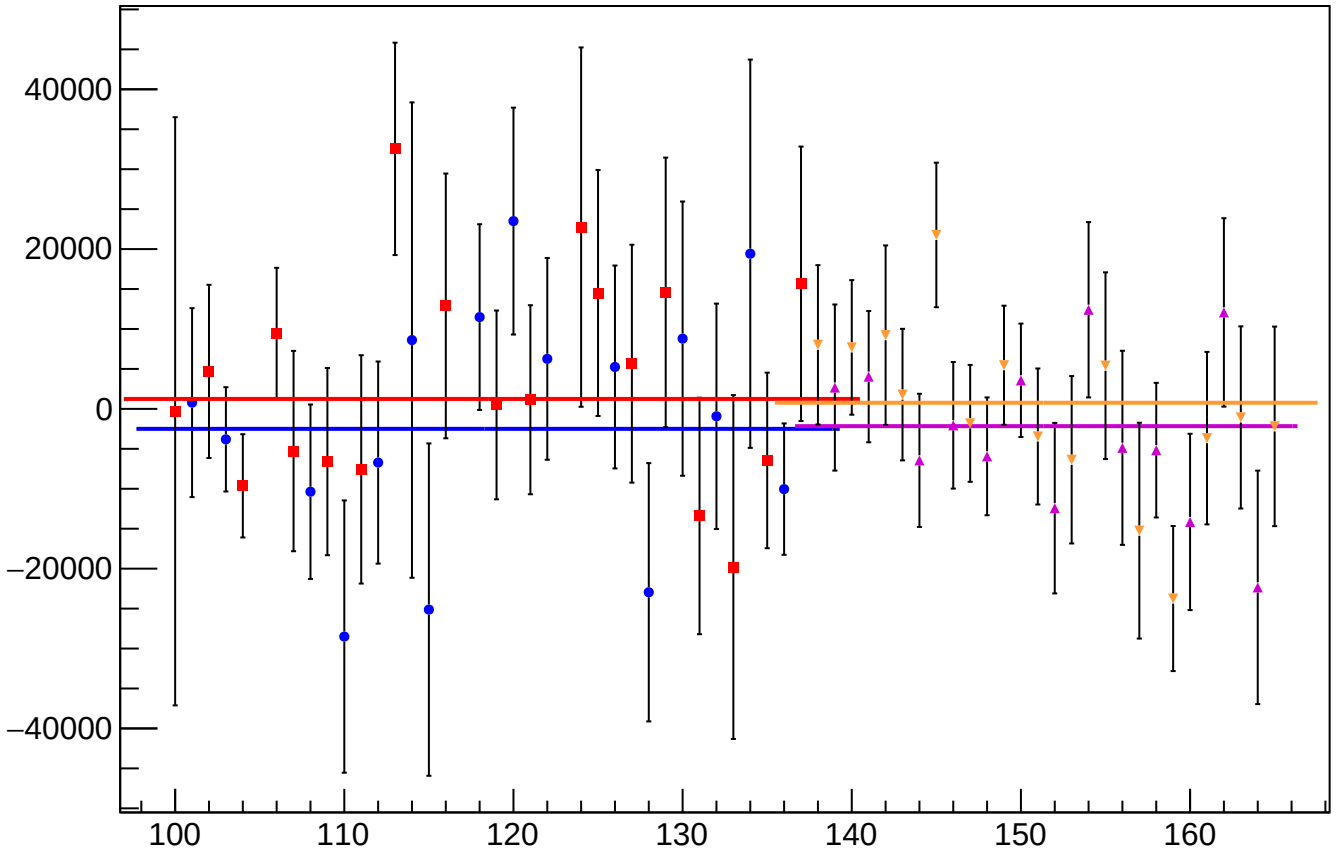
Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2458.236+/-0.525 χ^2/NDF:54483.6/12

+ sign 2487.900+/-0.406 χ^2/NDF: 693140.1/30

All: 2471.479+/-0.288 χ^2/NDF: 1187915.4/62

- sign 2454.844+/-0.409 χ^2/NDF: 491490.4/31



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 766.561+/-2452.393 χ^2/NDF:17.5/14

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

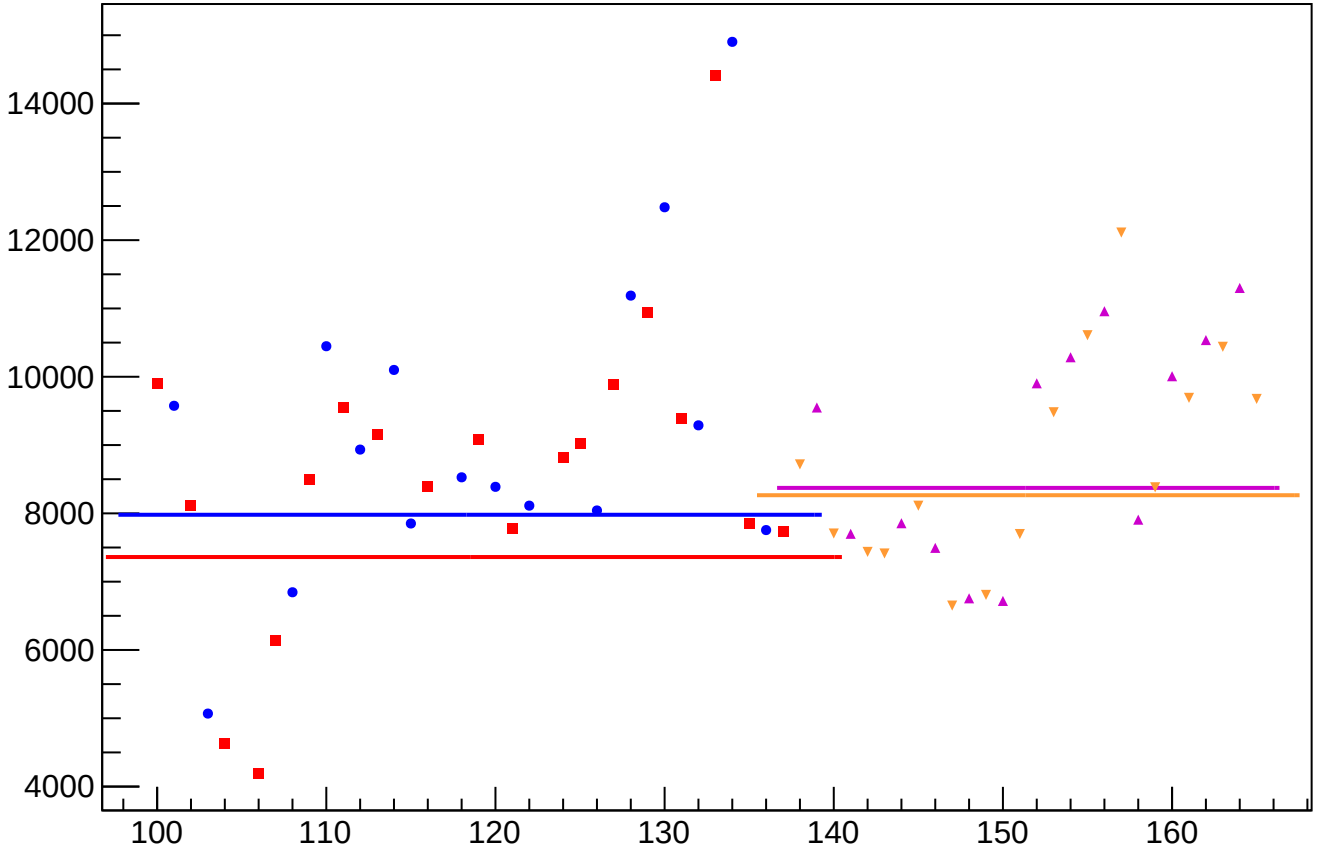
Left In: -2161.531+/-2576.346 χ^2/NDF:9.4/12

+ sign -503.325+/-1917.449 χ^2/NDF: 32.0/30

All: -567.611+/-1353.918 χ^2/NDF: 58.7/62

- sign -631.533+/-1912.020 χ^2/NDF: 26.7/31

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8265.627+/-1.734 χ^2/NDF:631814.5/14

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

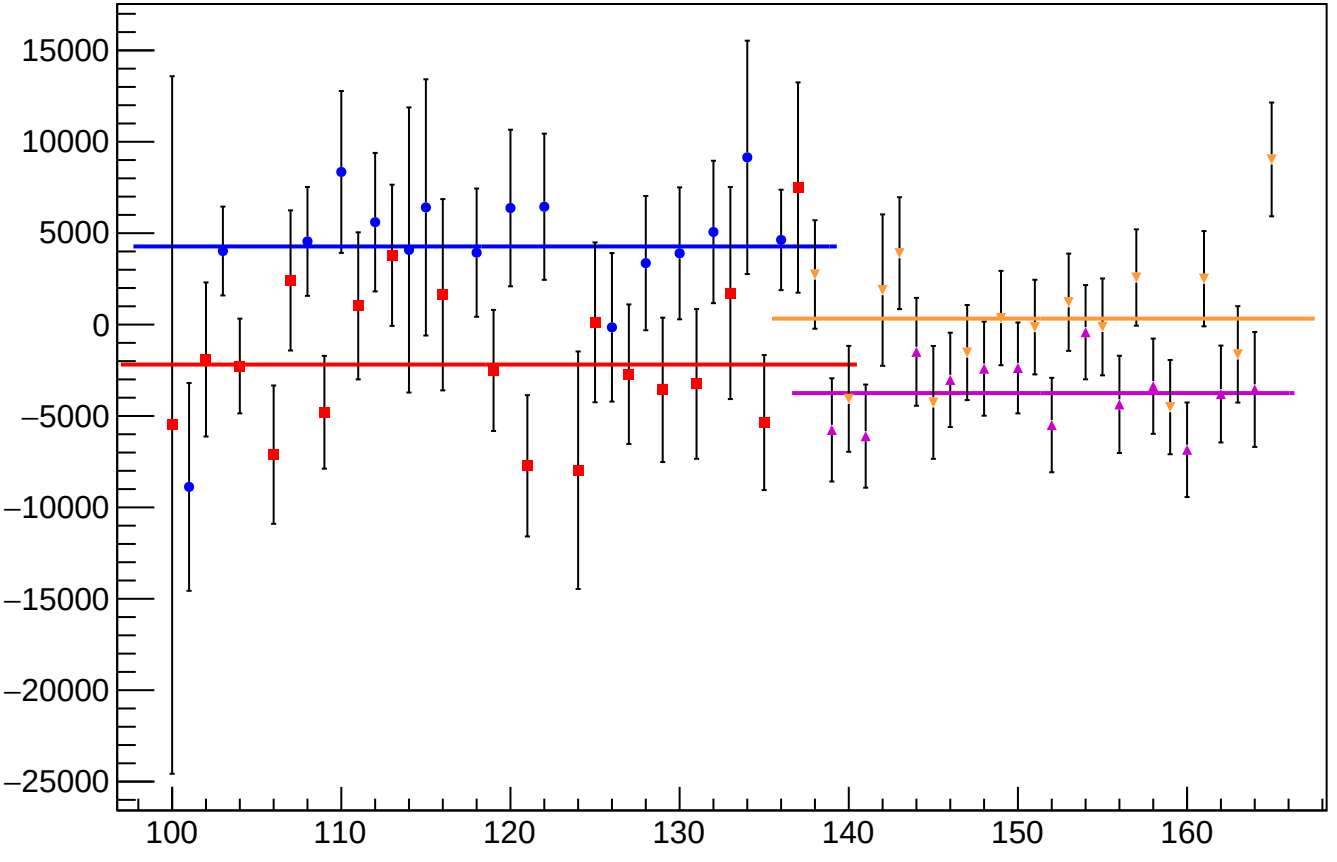
Left In: 8372.852+/-1.822 χ^2/NDF:666308.7/12

+ sign 8154.410+/-1.356 χ^2/NDF: 1565481.1/30

All: 8035.965+/-0.957 χ^2/NDF: 3671674.4/62

- sign 7918.189+/-1.352 χ^2/NDF: 2090973.2/31

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 326.881+/-721.219 χ^2/NDF:20.7/14

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

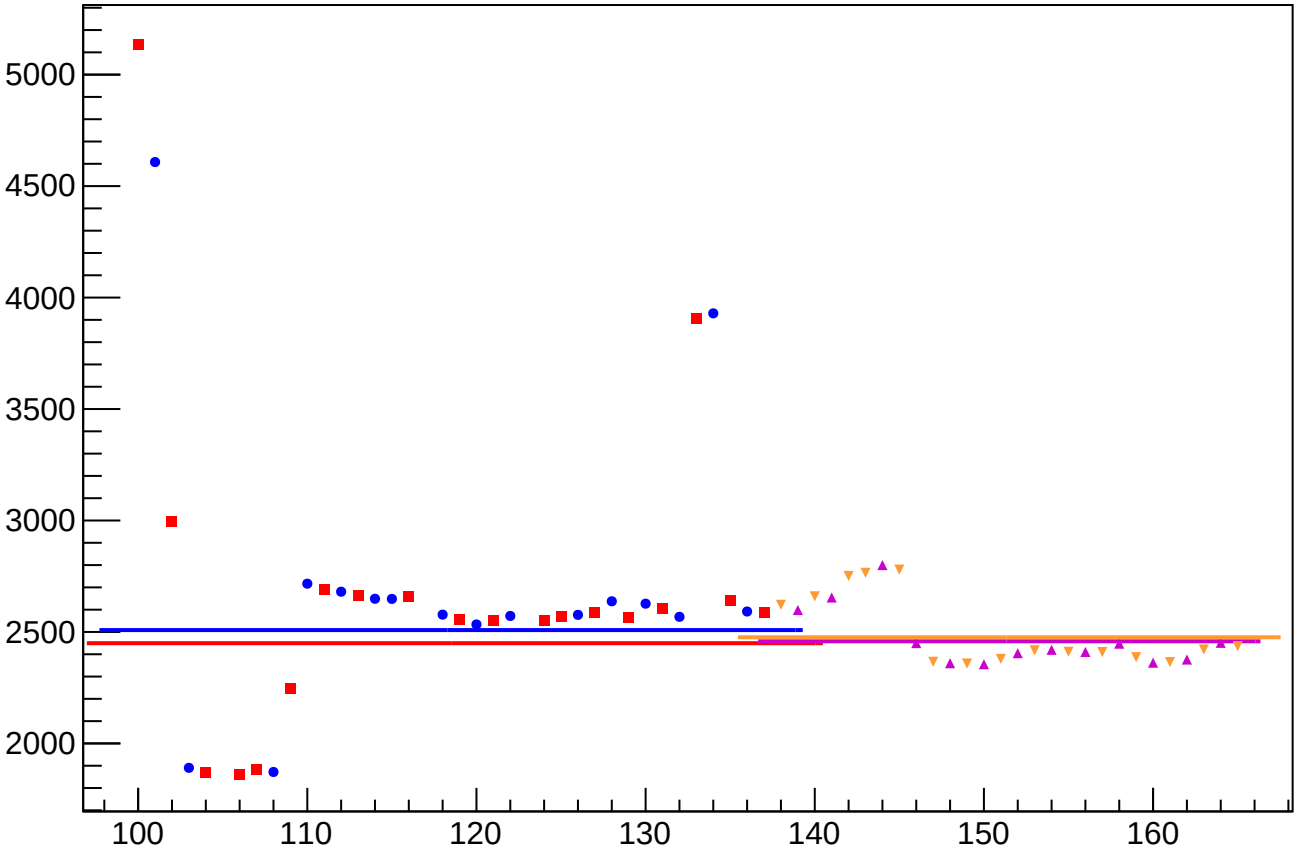
Left In: -3747.073+/-743.107 χ^2/NDF:6.1/12

+ sign 1766.242+/-574.867 χ^2/NDF: 40.5/30

All: -667.380+/-407.808 χ^2/NDF: 99.2/62

- sign -3132.777+/-578.607 χ^2/NDF: 22.7/31

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2476.095+/-0.510 χ^2/NDF:80081.1/14

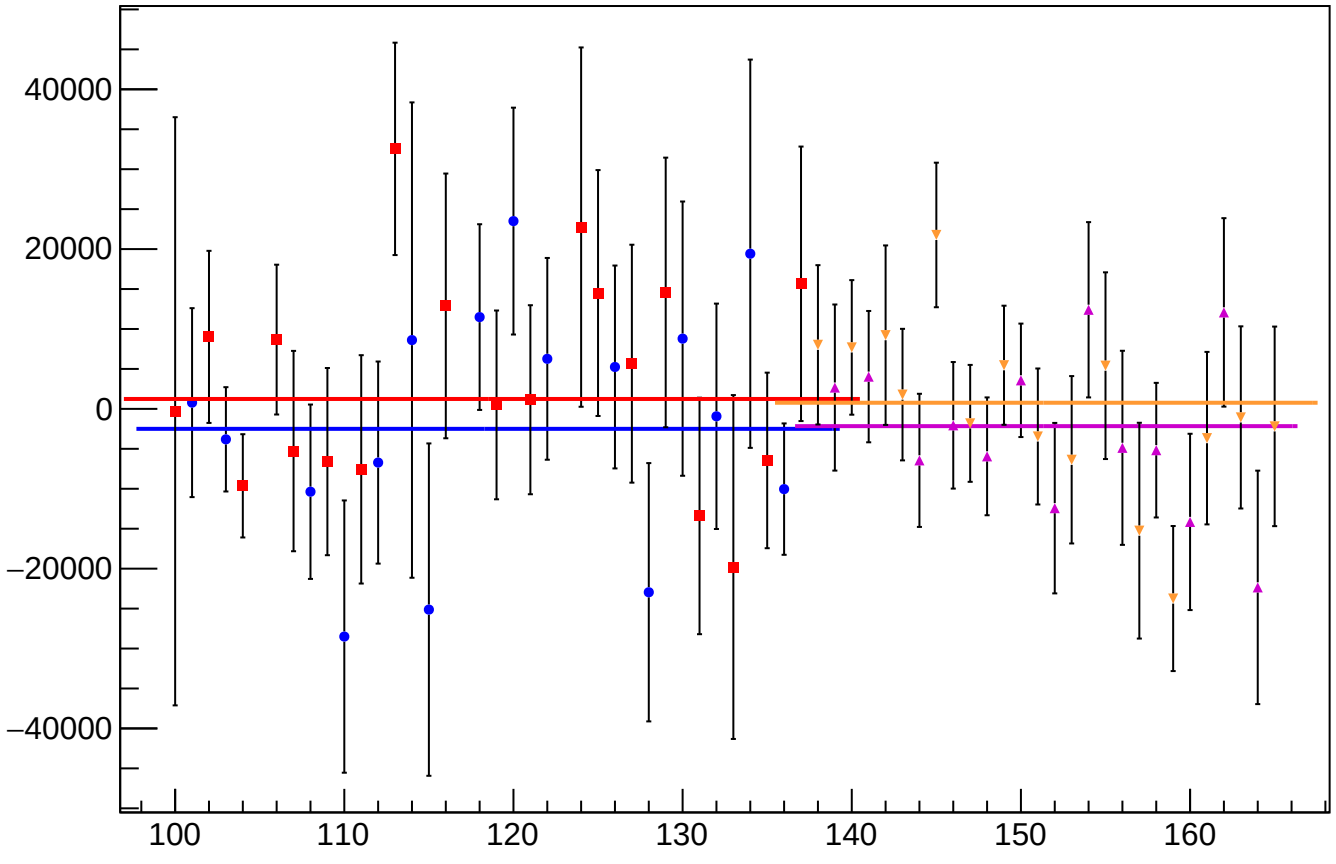
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2458.236+/-0.525 χ^2/NDF:54483.5/12

+ sign 2487.900+/-0.406 χ^2/NDF: 693137.9/30

All: 2471.484+/-0.288 χ^2/NDF: 1187856.4/62

- sign 2454.854+/-0.409 χ^2/NDF: 491435.4/31



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 766.554+/-2452.389 χ^2/NDF:17.5/14

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

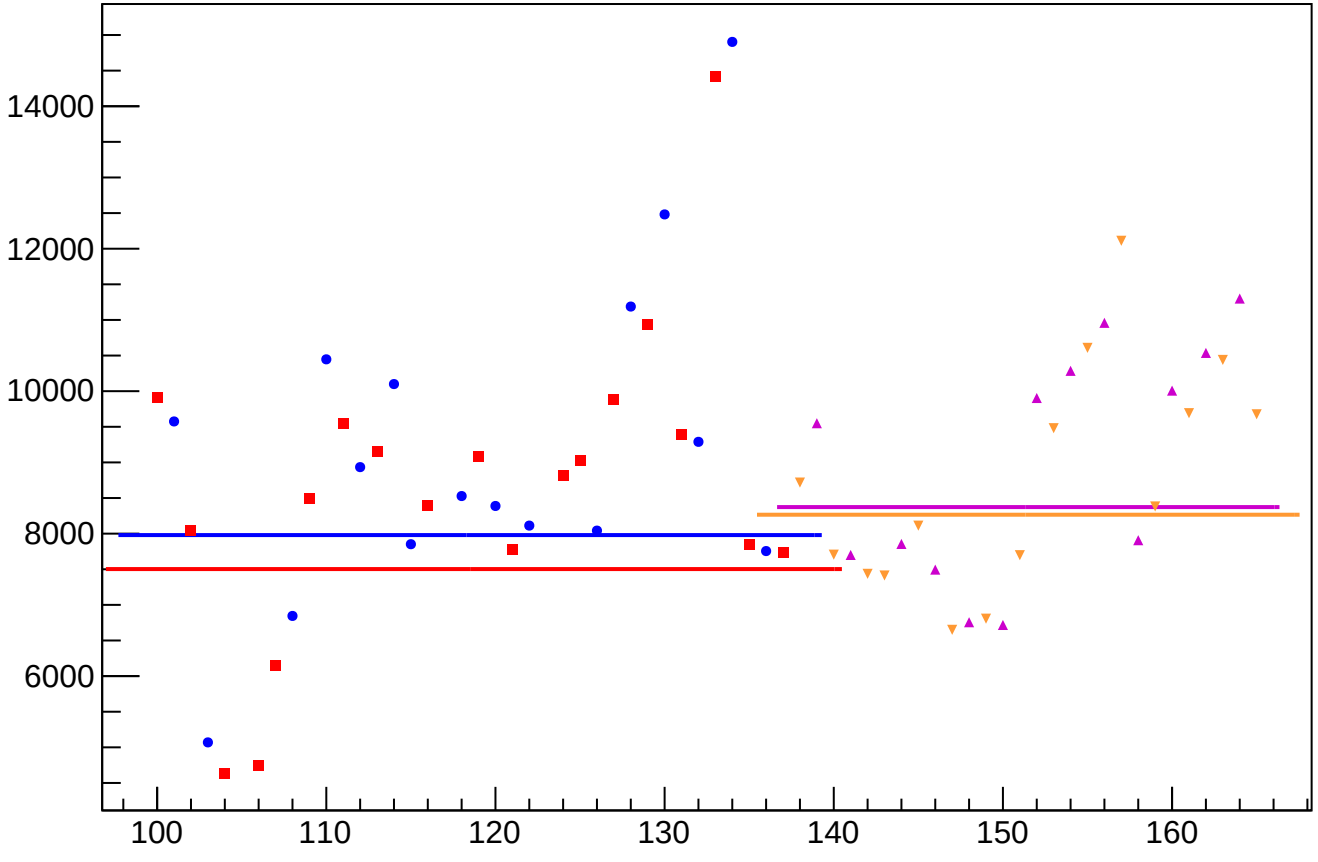
Left In: -2161.654+/-2576.347 χ^2/NDF:9.4/12

+ sign -503.195+/-1917.469 χ^2/NDF: 32.0/30

All: -580.043+/-1358.207 χ^2/NDF: 58.7/62

- sign -657.427+/-1924.139 χ^2/NDF: 26.8/31

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8265.613+/-1.734 χ^2/NDF:631820.0/14

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

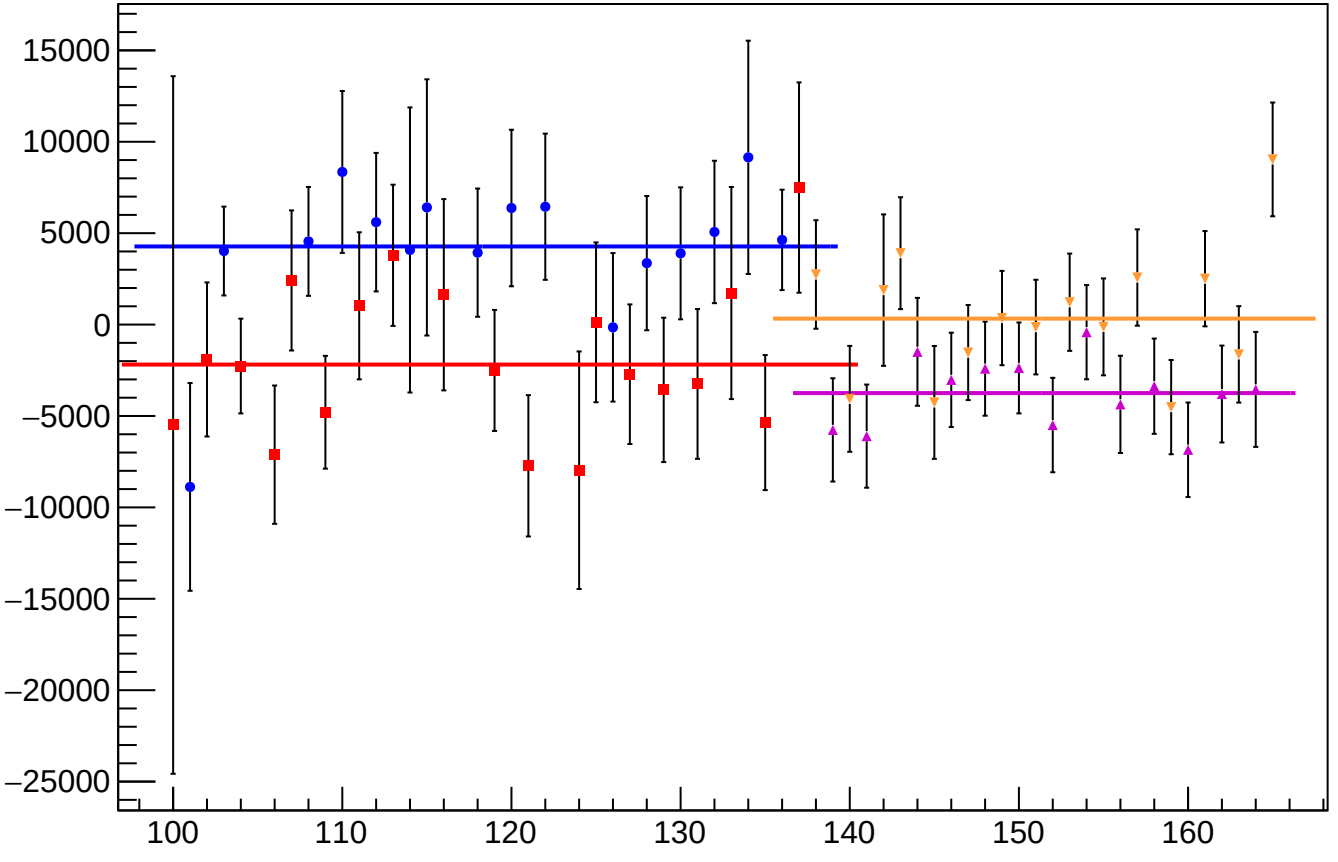
Left In: 8372.852+/-1.822 χ^2/NDF:666311.4/12

+ sign 8154.531+/-1.356 χ^2/NDF: 1565162.7/30

All: 8071.579+/-0.960 χ^2/NDF: 3475403.4/62

- sign 7988.048+/-1.361 χ^2/NDF: 1902728.3/31

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 326.881+/-721.219 χ^2/NDF:20.7/14

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

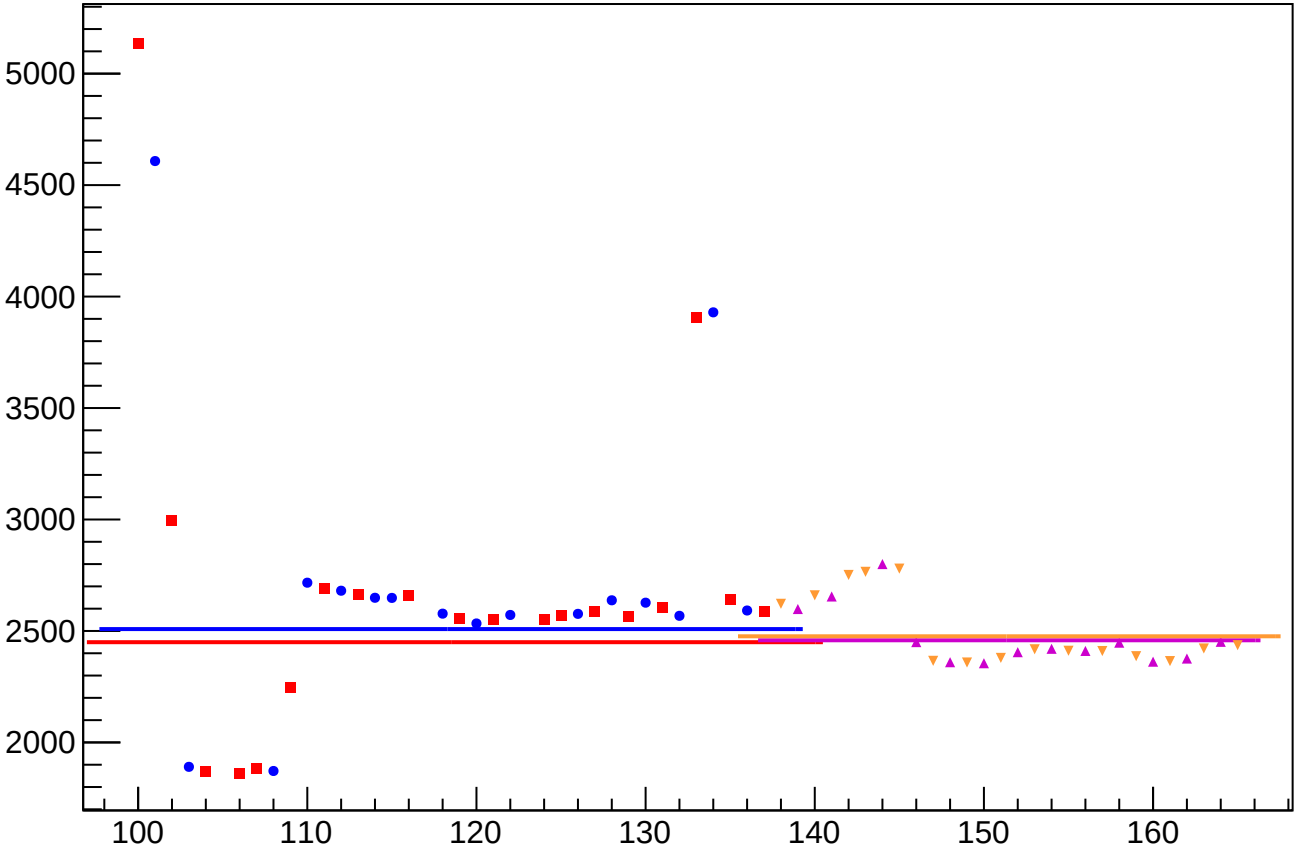
Left In: -3747.073+/-743.107 χ^2/NDF:6.1/12

+ sign 1766.242+/-574.867 χ^2/NDF: 40.5/30

All: -667.380+/-407.808 χ^2/NDF: 99.2/62

- sign -3132.777+/-578.607 χ^2/NDF: 22.7/31

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2476.095+/-0.510 χ^2/NDF:80081.1/14

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

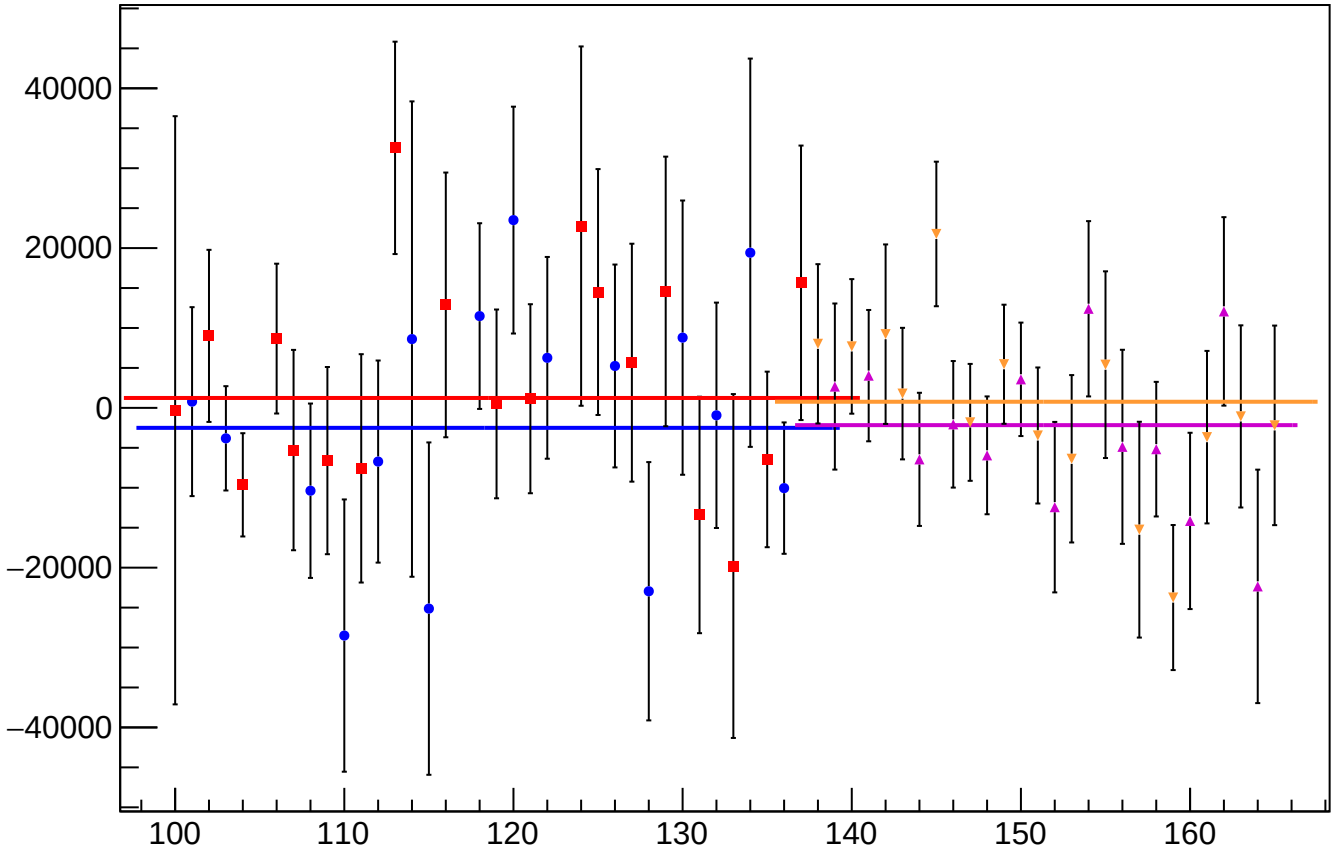
Left In: 2458.236+/-0.525 χ^2/NDF:54483.5/12

+ sign 2487.900+/-0.406 χ^2/NDF: 693137.9/30

All: 2471.484+/-0.288 χ^2/NDF: 1187856.4/62

- sign 2454.854+/-0.409 χ^2/NDF: 491435.4/31

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 766.554+/-2452.389 χ^2/NDF:17.5/14

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

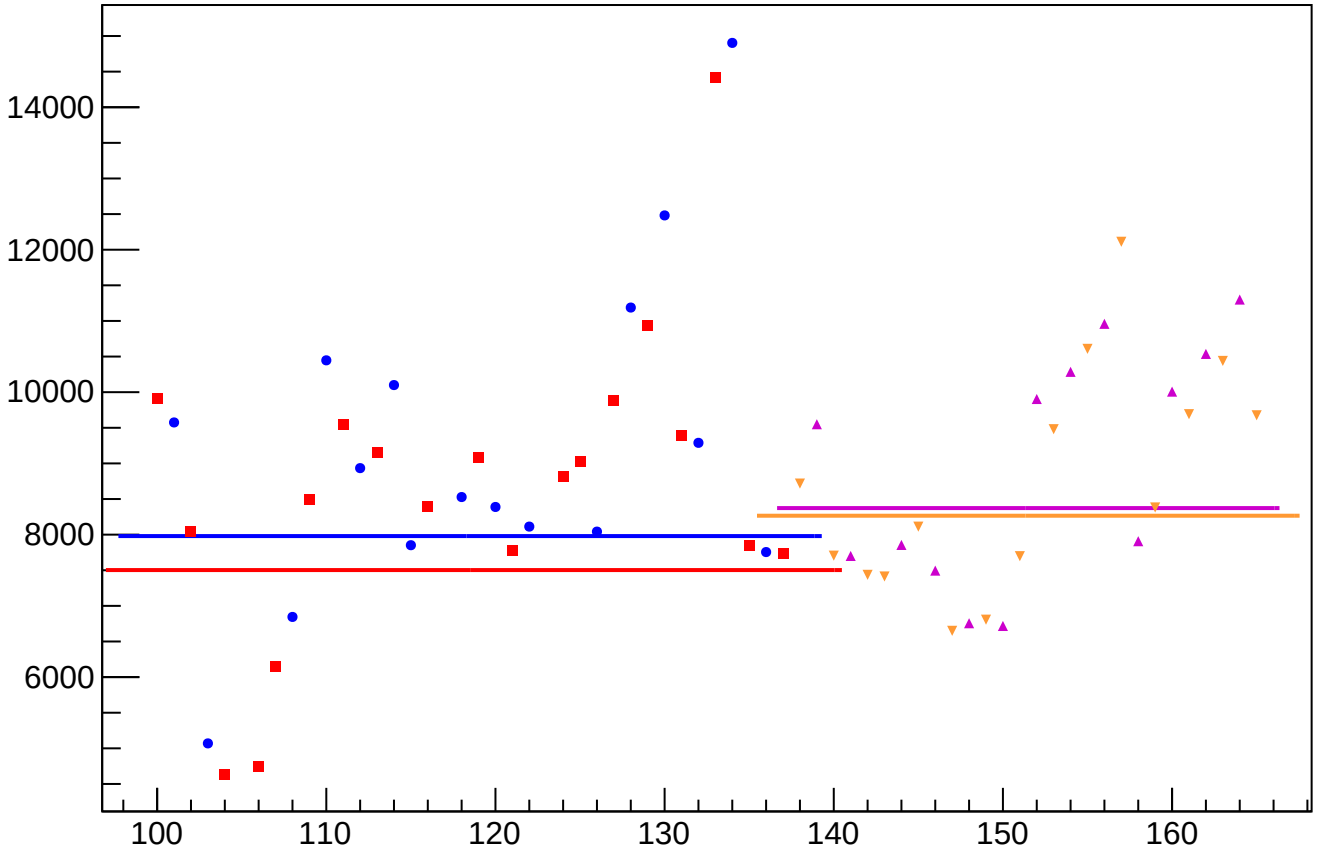
Left In: -2161.654+/-2576.347 χ^2/NDF:9.4/12

+ sign -503.195+/-1917.469 χ^2/NDF: 32.0/30

All: -580.043+/-1358.207 χ^2/NDF: 58.7/62

- sign -657.427+/-1924.139 χ^2/NDF: 26.8/31

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8265.613+/-1.734 χ^2/NDF:631820.0/14

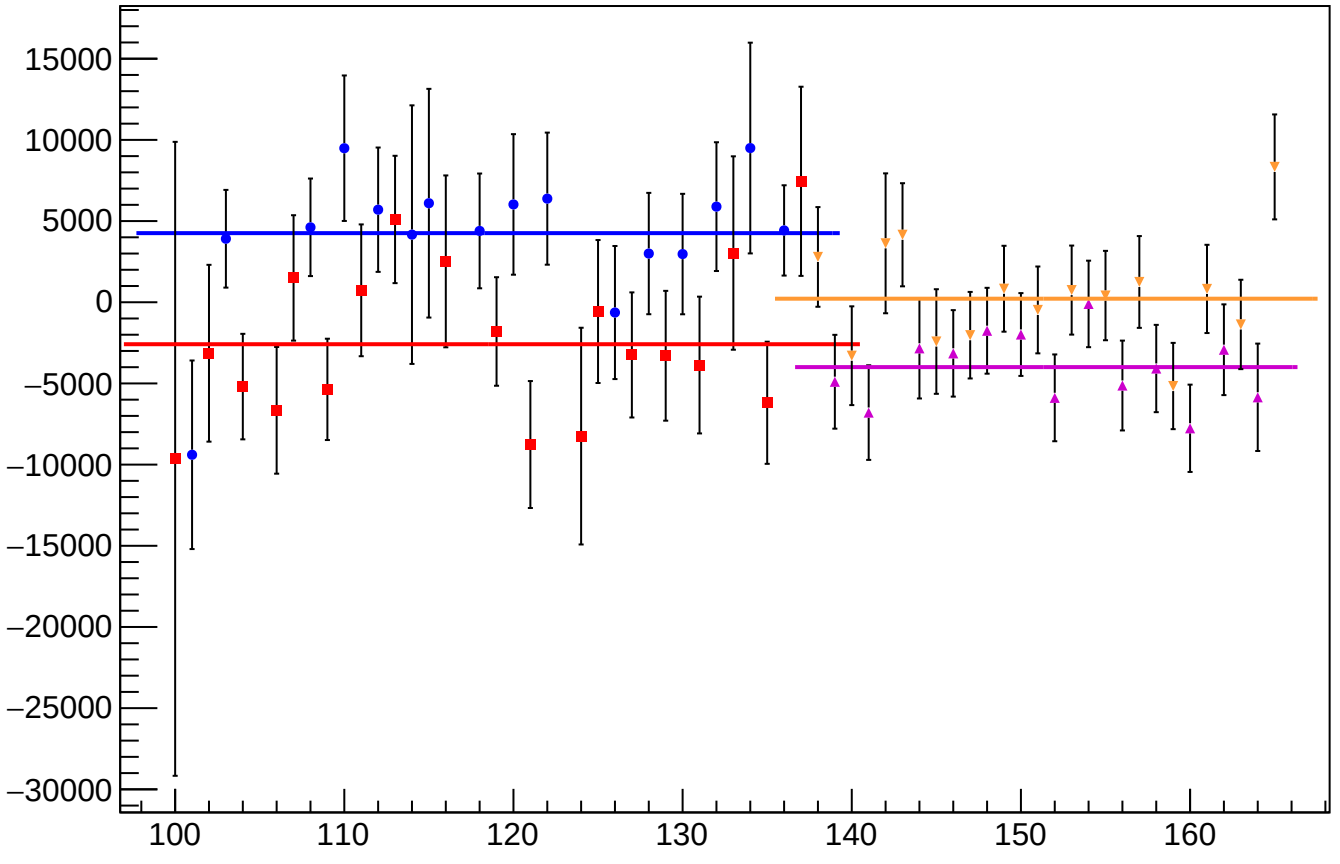
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8372.852+/-1.822 χ^2/NDF:666311.4/12

+ sign 8154.531+/-1.356 χ^2/NDF: 1565162.7/30

All: 8071.579+/-0.960 χ^2/NDF: 3475403.4/62

- sign 7988.048+/-1.361 χ^2/NDF: 1902728.3/31



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 218.934+/-749.096 χ^2/NDF:16.7/14

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

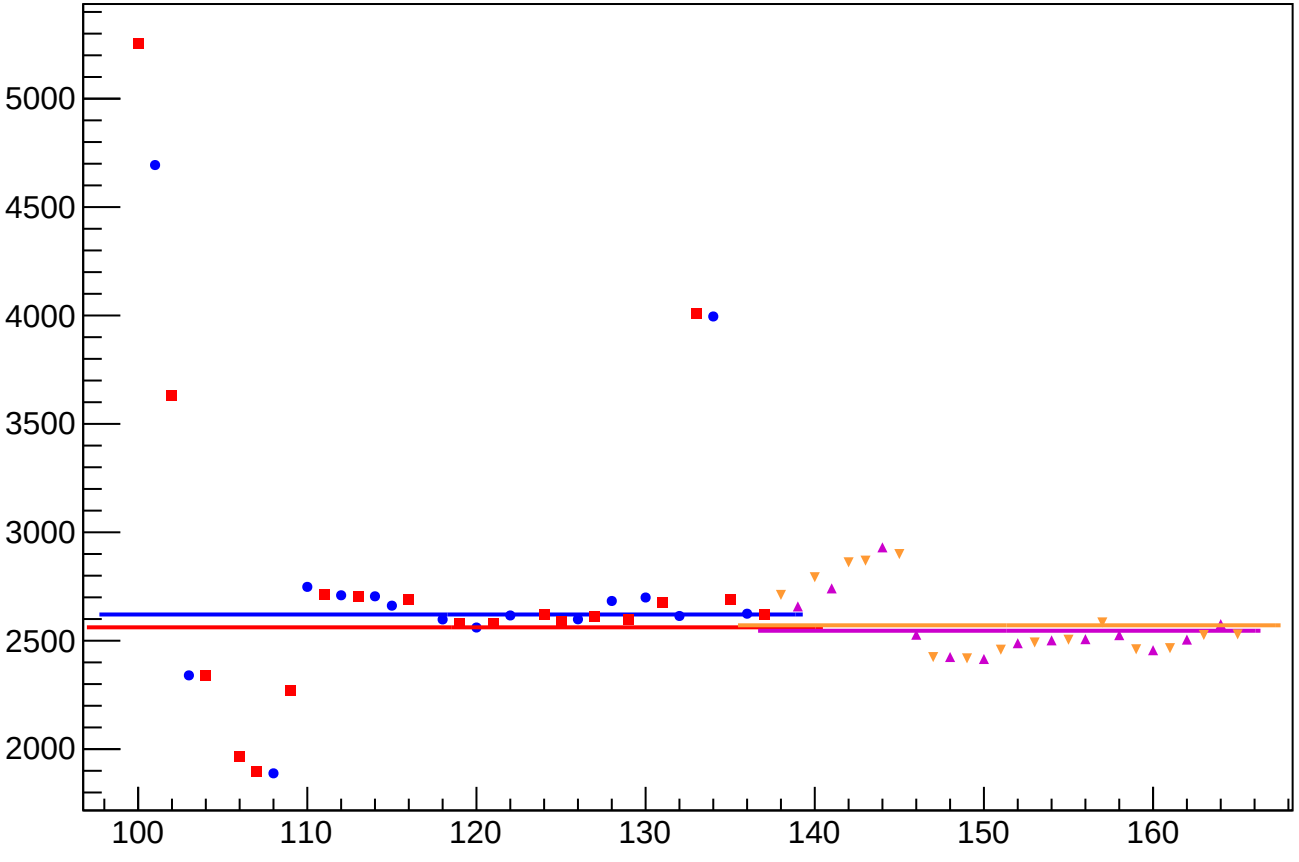
Left In: -3994.375+/-769.727 χ^2/NDF:7.8/12

+ sign 1688.103+/-597.480 χ^2/NDF: 37.3/30

All: -860.073+/-424.071 χ^2/NDF: 100.7/62

- sign -3446.958+/-602.001 χ^2/NDF: 26.8/31

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2571.066+/-0.530 χ^2/NDF:88777.5/14

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

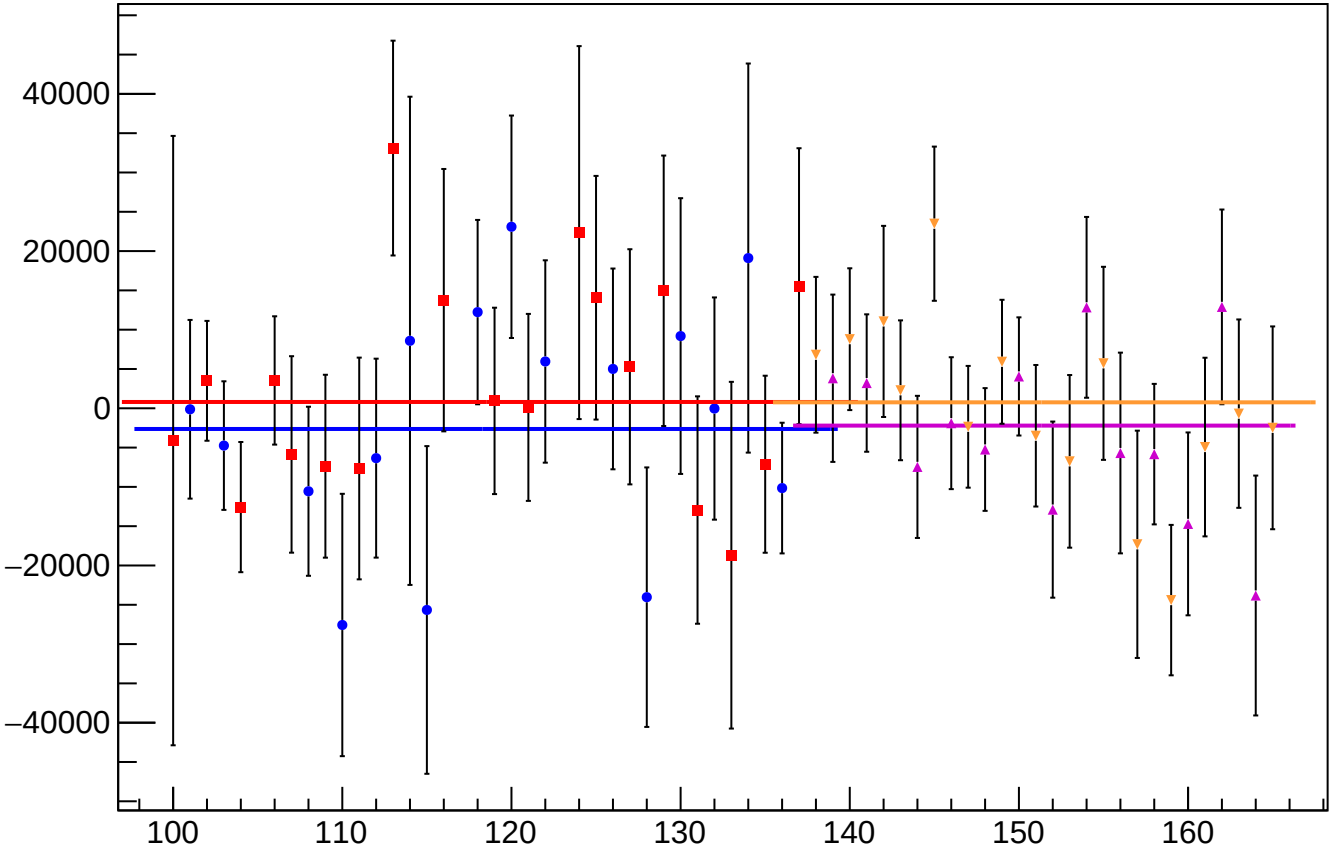
Left In: 2545.930+/-0.544 χ^2/NDF:57336.6/12

+ sign 2589.221+/-0.422 χ^2/NDF: 577920.2/30

All: 2570.779+/-0.300 χ^2/NDF: 1017682.2/62

- sign 2552.065+/-0.426 χ^2/NDF: 435923.0/31

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 757.899+/-2593.245 χ^2/NDF:17.5/14

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

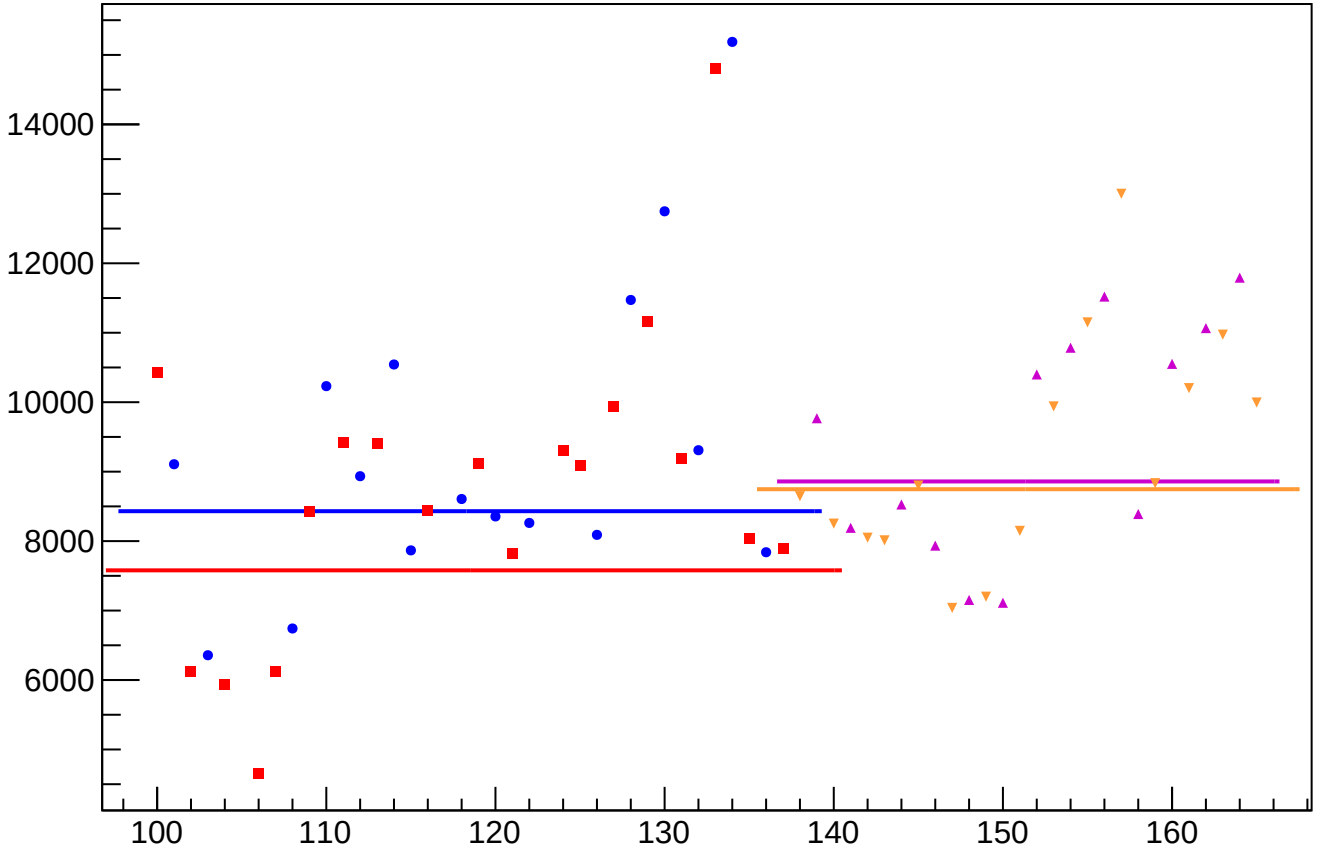
Left In: -2203.669+/-2723.445 χ^2/NDF:9.4/12

+ sign -580.013+/-2017.596 χ^2/NDF: 32.0/30

All: -682.394+/-1411.903 χ^2/NDF: 57.4/62

- sign -780.647+/-1976.502 χ^2/NDF: 25.4/31

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8747.345+/-1.834 χ^2/NDF:603652.2/14

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

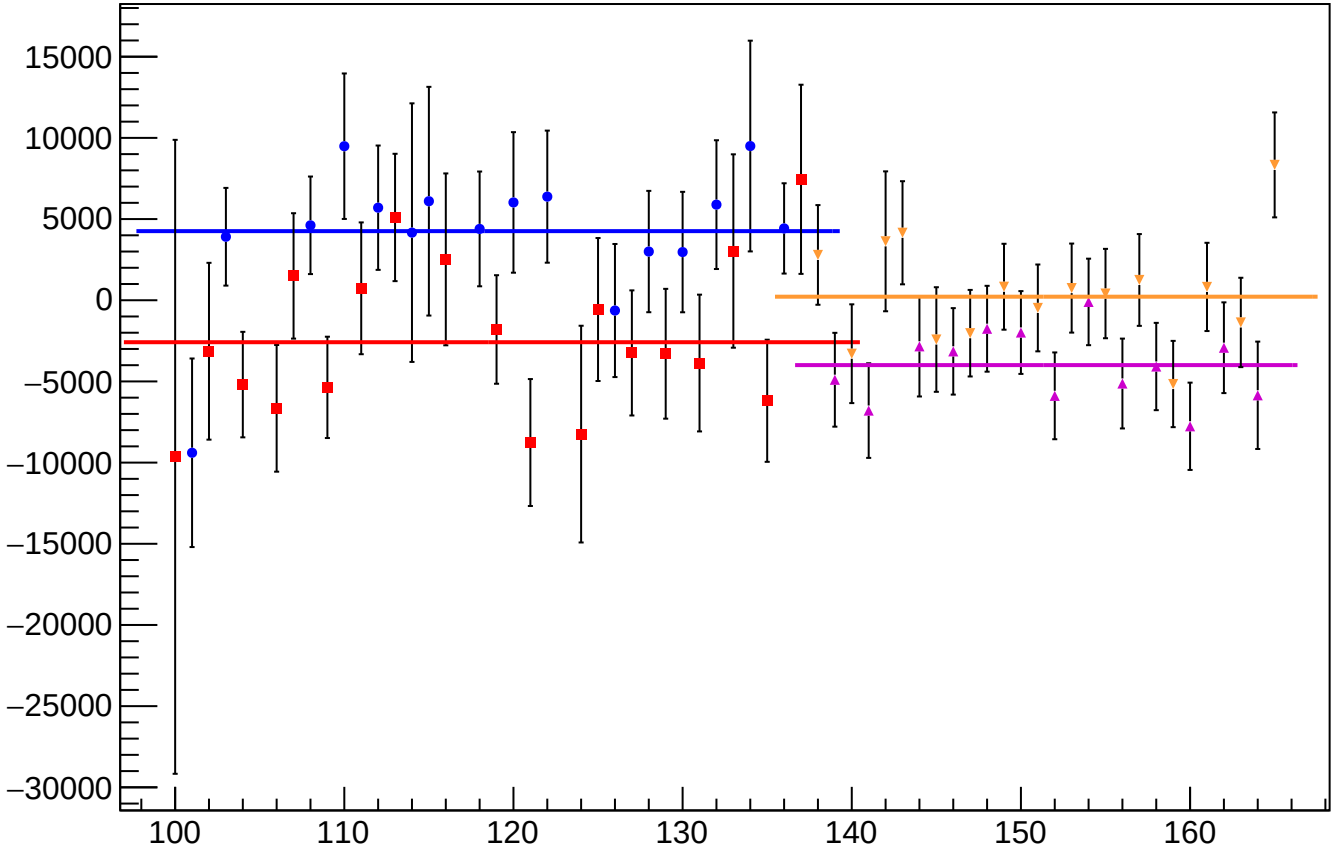
Left In: 8859.157+/-1.926 χ^2/NDF:622768.0/12

+ sign 8622.397+/-1.427 χ^2/NDF: 1195711.2/30

All: 8434.053+/-0.998 χ^2/NDF: 3035876.6/62

- sign 8253.303+/-1.398 χ^2/NDF: 1806010.6/31

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 218.912+/-749.096 χ^2/NDF:16.7/14

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

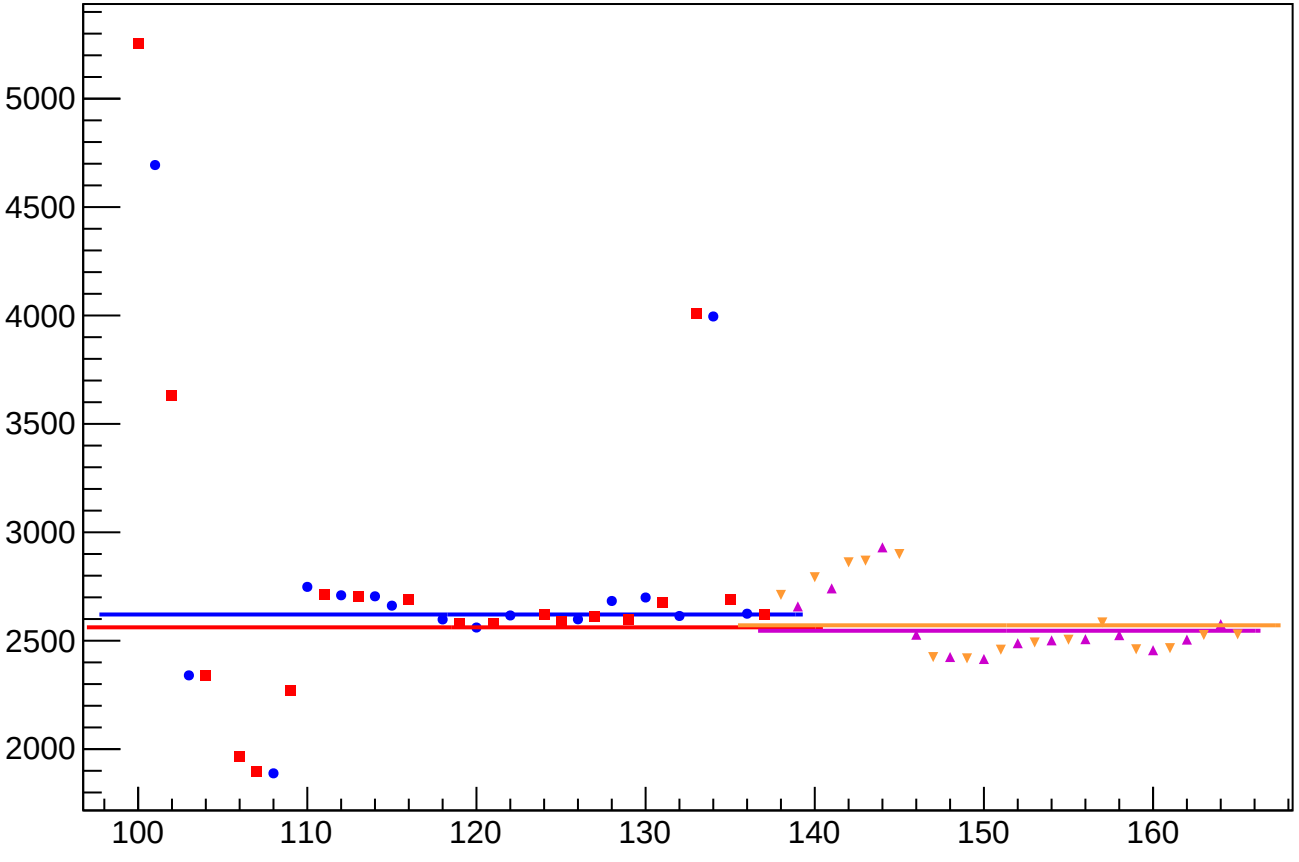
Left In: -3994.379+/-769.728 χ^2/NDF:7.8/12

+ sign 1688.094+/-597.480 χ^2/NDF: 37.3/30

All: -860.080+/-424.072 χ^2/NDF: 100.7/62

- sign -3446.963+/-602.001 χ^2/NDF: 26.8/31

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2571.069+/-0.530 χ^2/NDF:88777.3/14

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

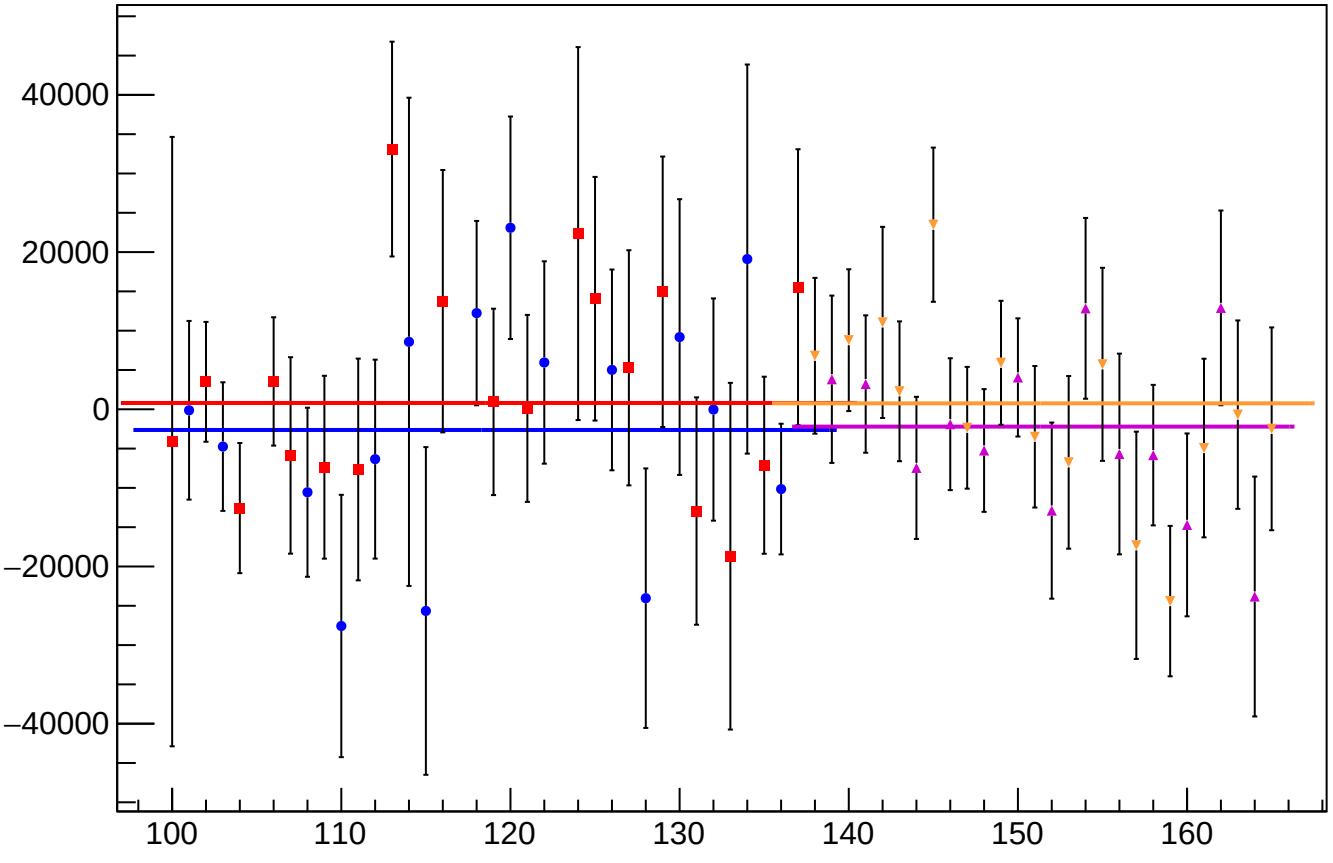
Left In: 2545.933+/-0.544 χ^2/NDF:57336.3/12

+ sign 2589.222+/-0.422 χ^2/NDF: 577919.7/30

All: 2570.780+/-0.300 χ^2/NDF: 1017680.7/62

- sign 2552.067+/-0.426 χ^2/NDF: 435922.0/31

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 757.891+/-2593.249 χ^2/NDF:17.5/14

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

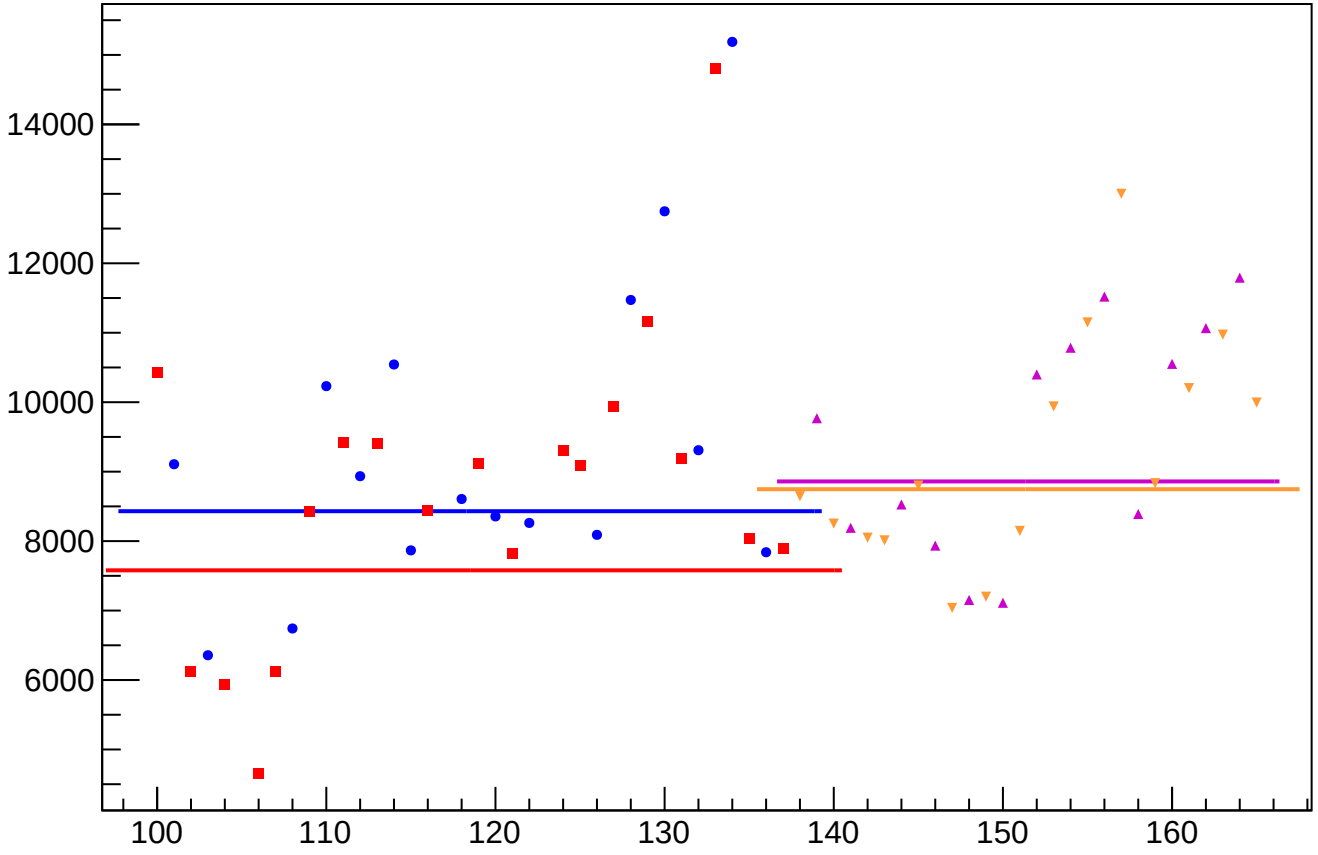
Left In: -2203.664+/-2723.450 χ^2/NDF:9.4/12

+ sign -580.009+/-2017.597 χ^2/NDF: 32.0/30

All: -682.390+/-1411.903 χ^2/NDF: 57.4/62

- sign -780.642+/-1976.502 χ^2/NDF: 25.4/31

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8747.359+/-1.834 χ^2/NDF:603652.9/14

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

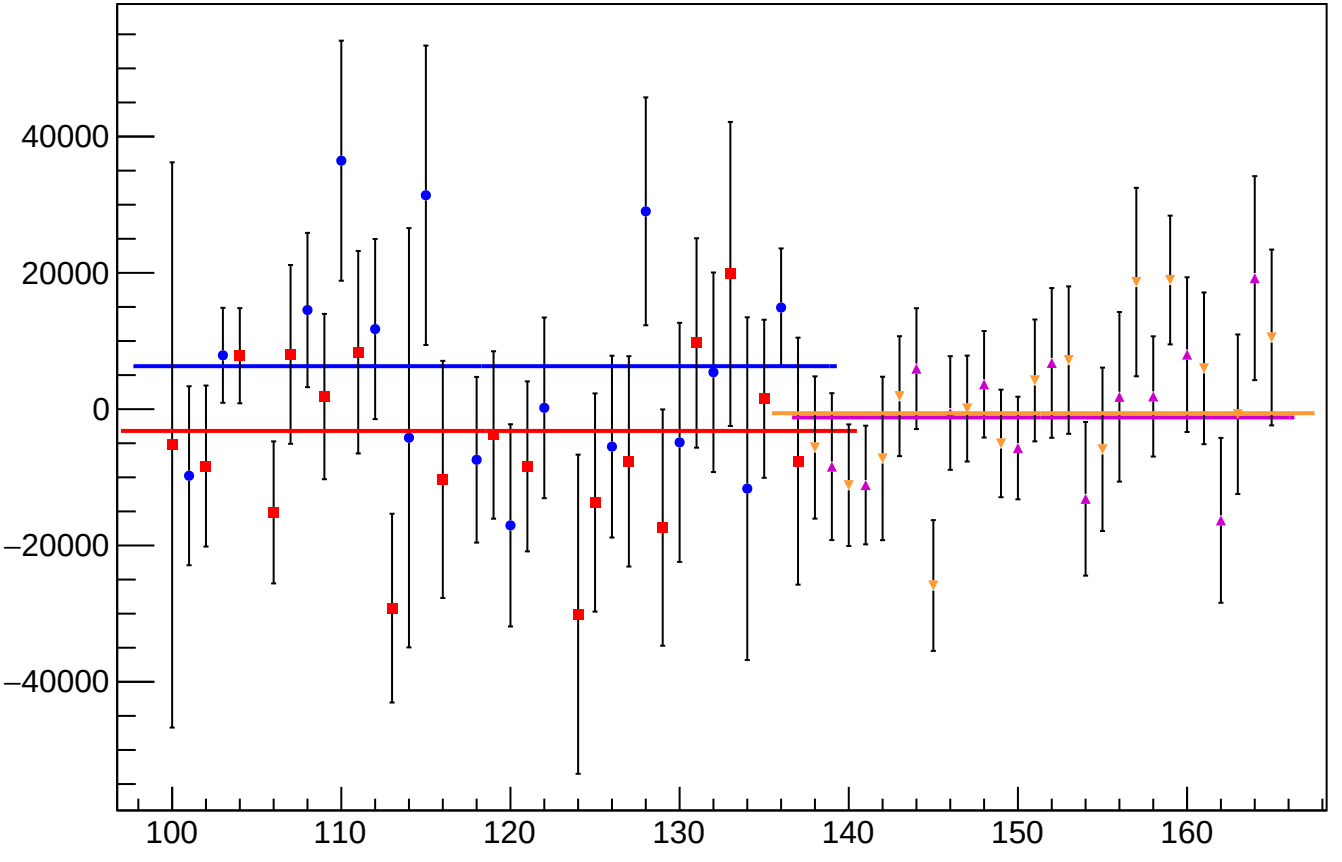
Left In: 8859.171+/-1.926 χ^2/NDF:622768.1/12

+ sign 8622.401+/-1.427 χ^2/NDF: 1195708.0/30

All: 8434.054+/-0.998 χ^2/NDF: 3035878.8/62

- sign 8253.302+/-1.398 χ^2/NDF: 1806015.2/31

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -584.901+/-2573.712 χ^2/NDF:17.6/14

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

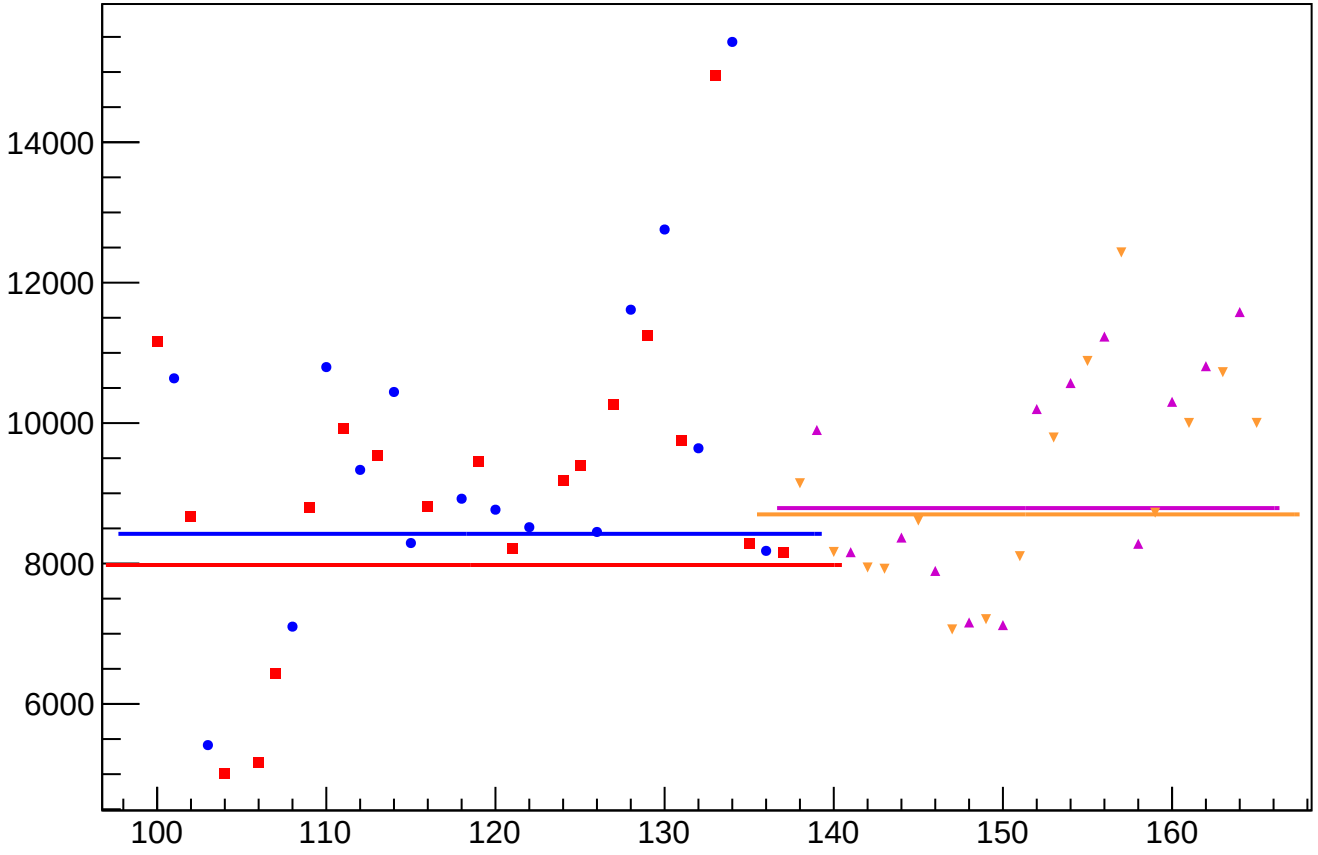
Left In: -1219.826+/-2697.141 χ^2/NDF:9.1/12

+ sign 2081.747+/-2015.197 χ^2/NDF: 35.5/30

All: 12.733+/-1428.711 χ^2/NDF: 60.8/62

- sign -2078.213+/-2025.849 χ^2/NDF: 23.2/31

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8699.792+/-1.820 χ^2/NDF:544027.0/14

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

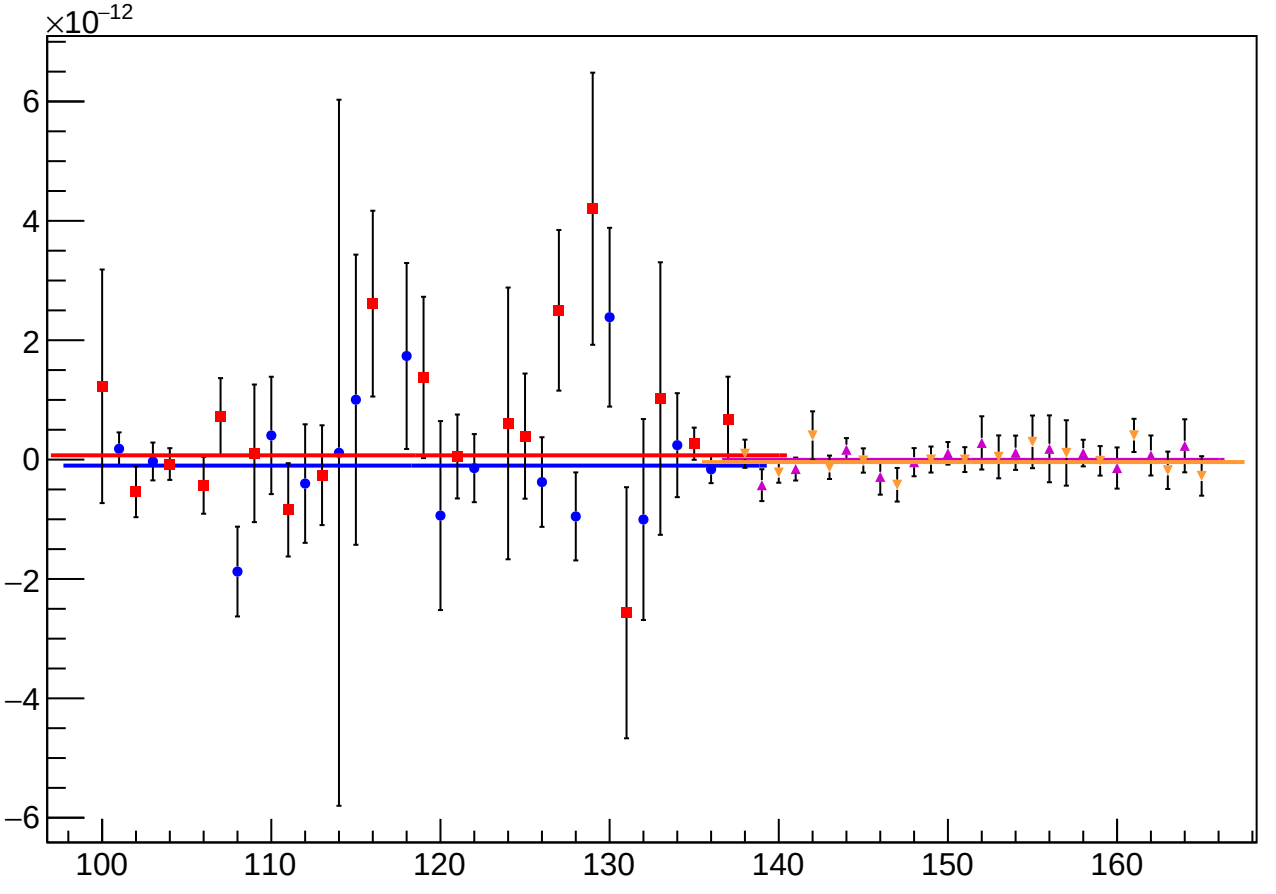
Left In: 8789.464+/-1.907 χ^2/NDF:571767.5/12

+ sign 8592.585+/-1.425 χ^2/NDF: 1434829.5/30

All: 8514.818+/-1.010 χ^2/NDF: 3107313.3/62

- sign 8436.228+/-1.432 χ^2/NDF: 1666495.4/31

asym_atr2_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

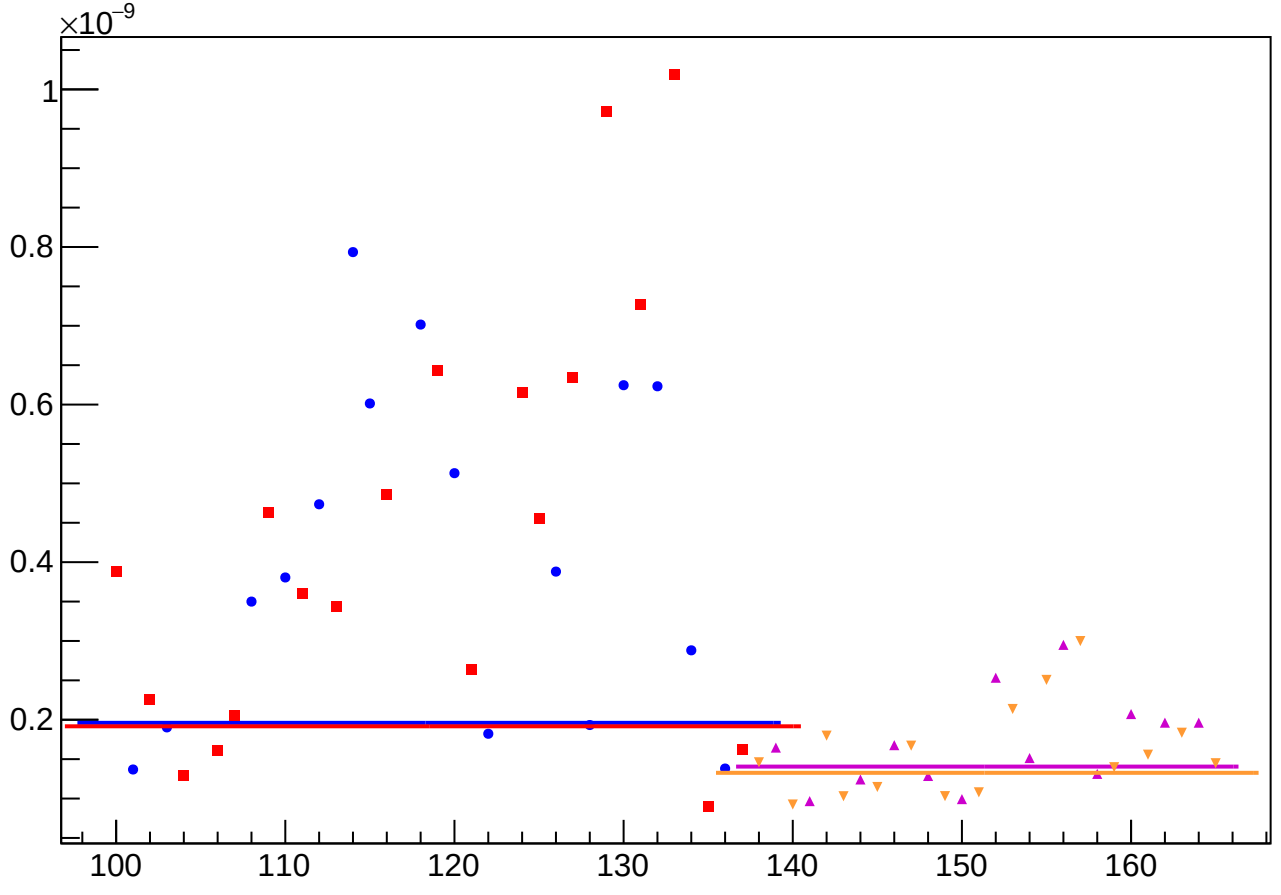
Left In: -0.000+/-0.000 χ^2/NDF:6.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/30

All: -0.000+/-0.000 χ^2/NDF: 49.6/62

- sign 0.000+/-0.000 χ^2/NDF: 26.5/31

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:803738.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

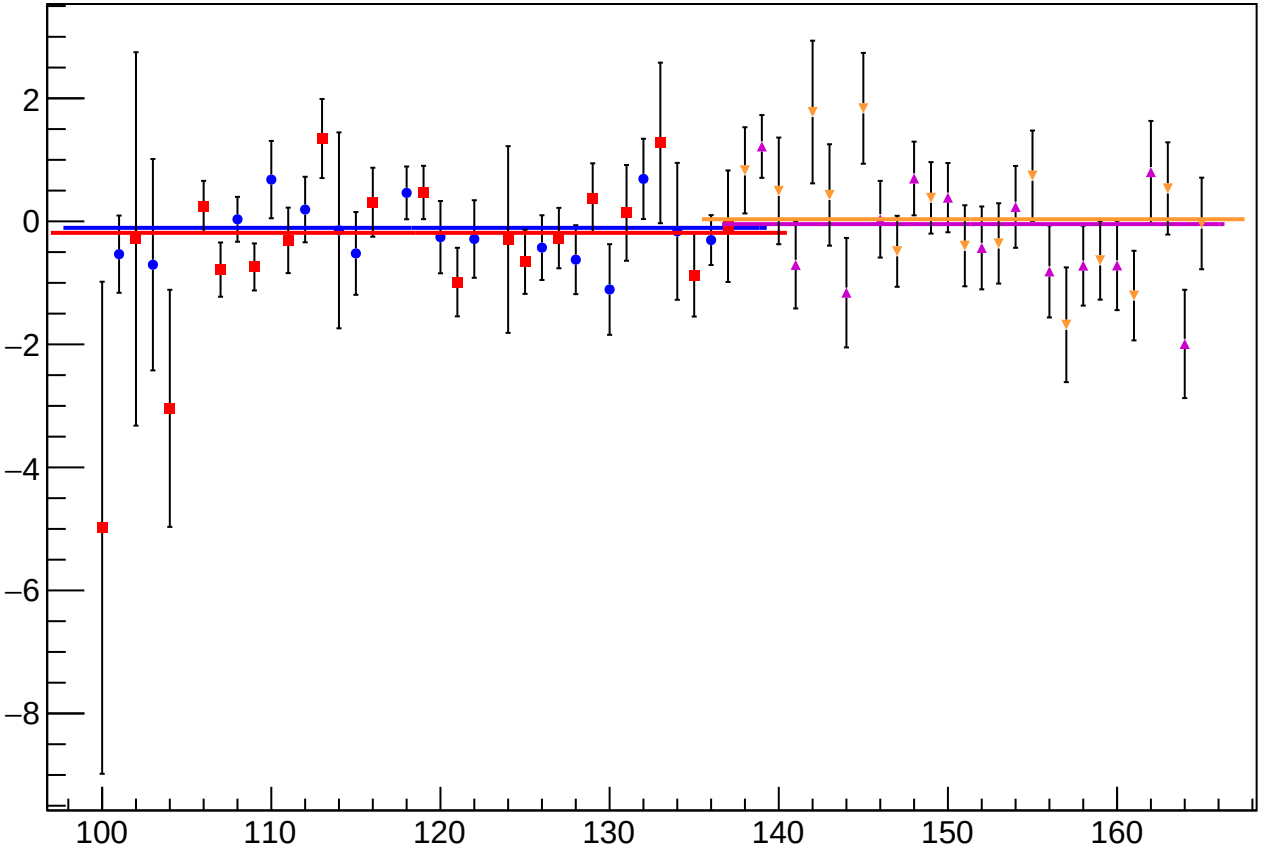
Left In: 0.000+/-0.000 χ^2/NDF:699353.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 2505483.5/30

All: 0.000+/-0.000 χ^2/NDF: 5493959.0/62

- sign 0.000+/-0.000 χ^2/NDF: 2977075.2/31

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

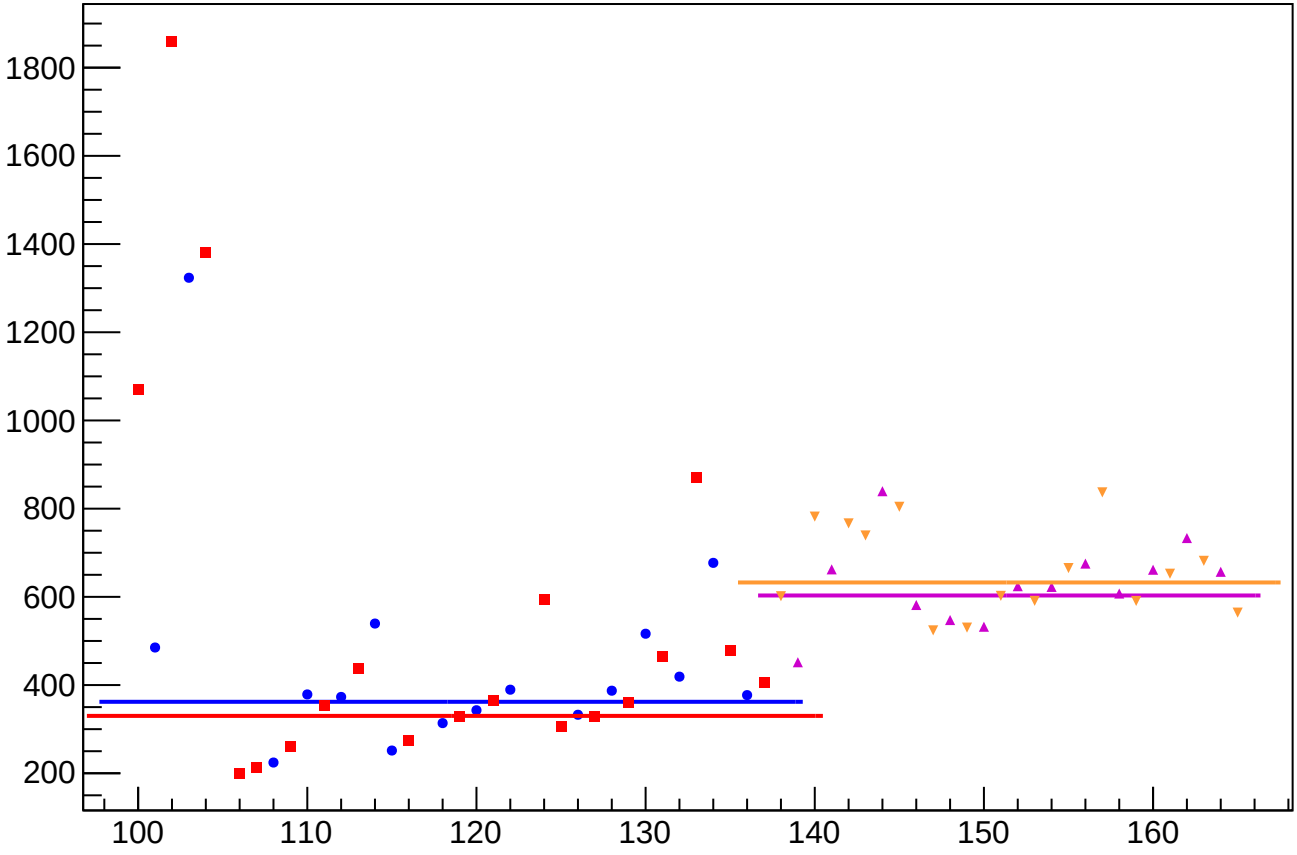
Left In: -0.045+/-0.186 χ^2/NDF:20.1/12

+ sign -0.053+/-0.115 χ^2/NDF: 28.8/30

All: -0.097+/-0.080 χ^2/NDF: 73.5/62

- sign -0.137+/-0.111 χ^2/NDF: 44.4/31

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 632.633+/-0.133 χ^2/NDF:476785.3/14

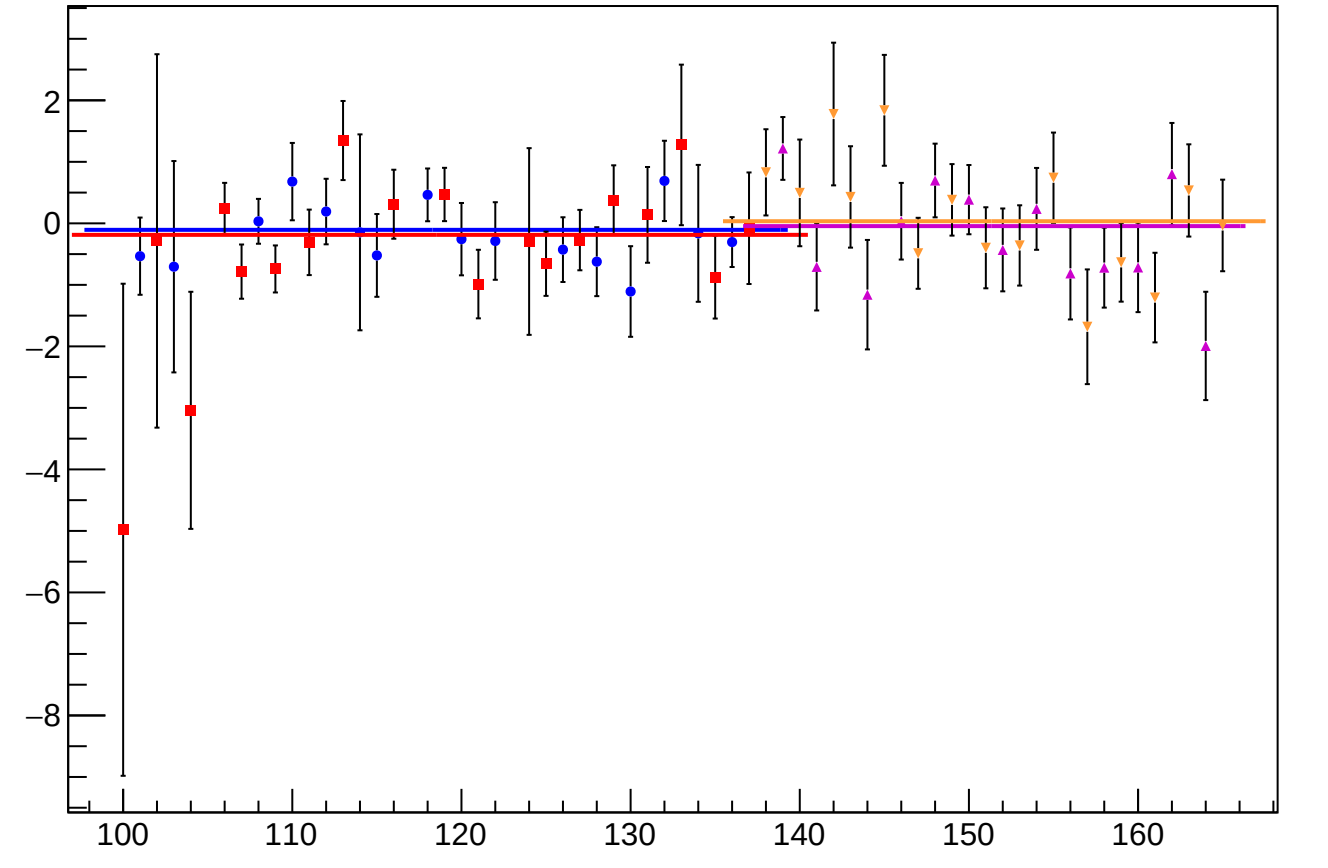
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 603.119+/-0.132 χ^2/NDF:474319.7/12

+ sign 462.818+/-0.081 χ^2/NDF: 4459569.5/30

All: 443.941+/-0.056 χ^2/NDF: 10069976.0/62

- sign 426.379+/-0.078 χ^2/NDF: 5505687.8/31



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

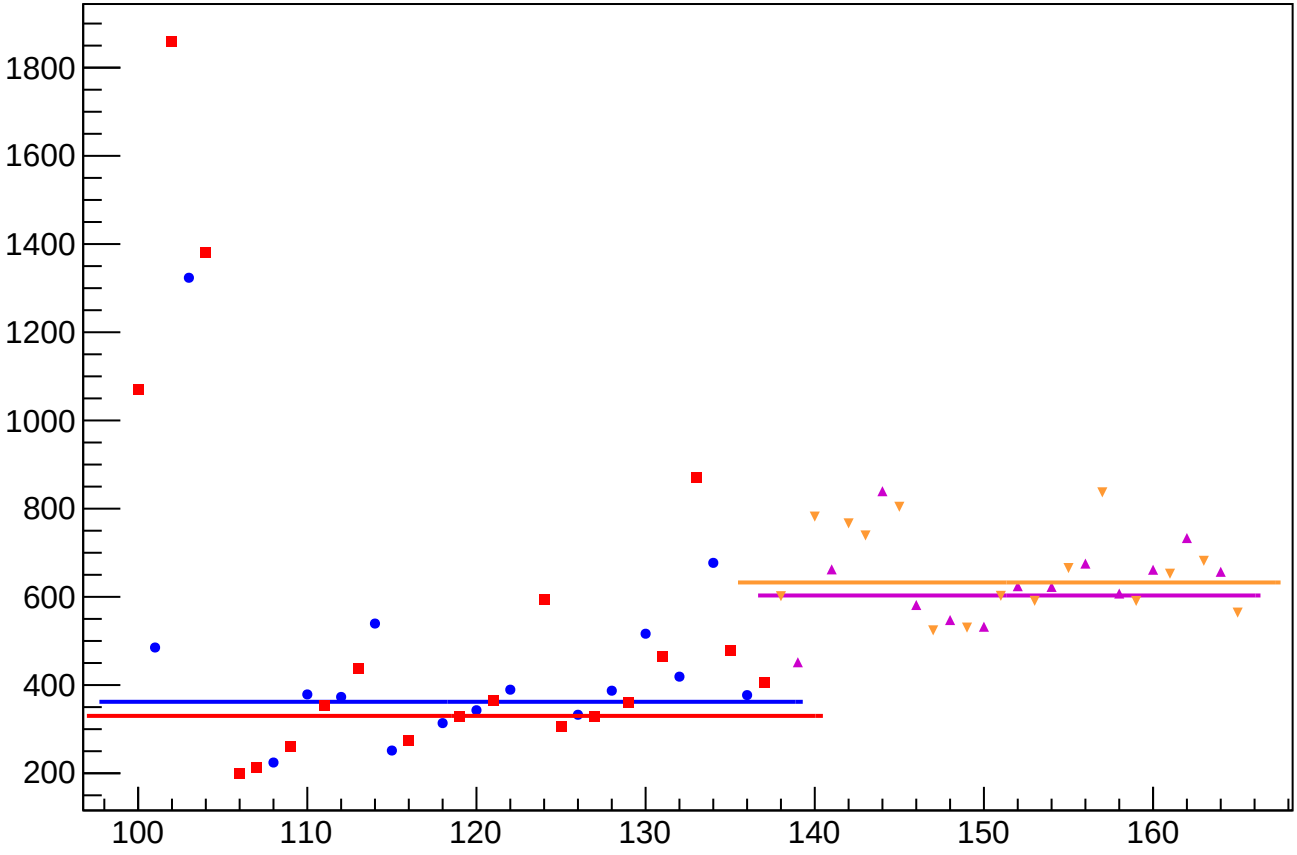
Left In: -0.045+/-0.186 χ^2/NDF:20.1/12

+ sign -0.053+/-0.115 χ^2/NDF: 28.8/30

All: -0.097+/-0.080 χ^2/NDF: 73.5/62

- sign -0.137+/-0.111 χ^2/NDF: 44.4/31

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 632.633+/-0.133 χ^2/NDF:476785.3/14

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

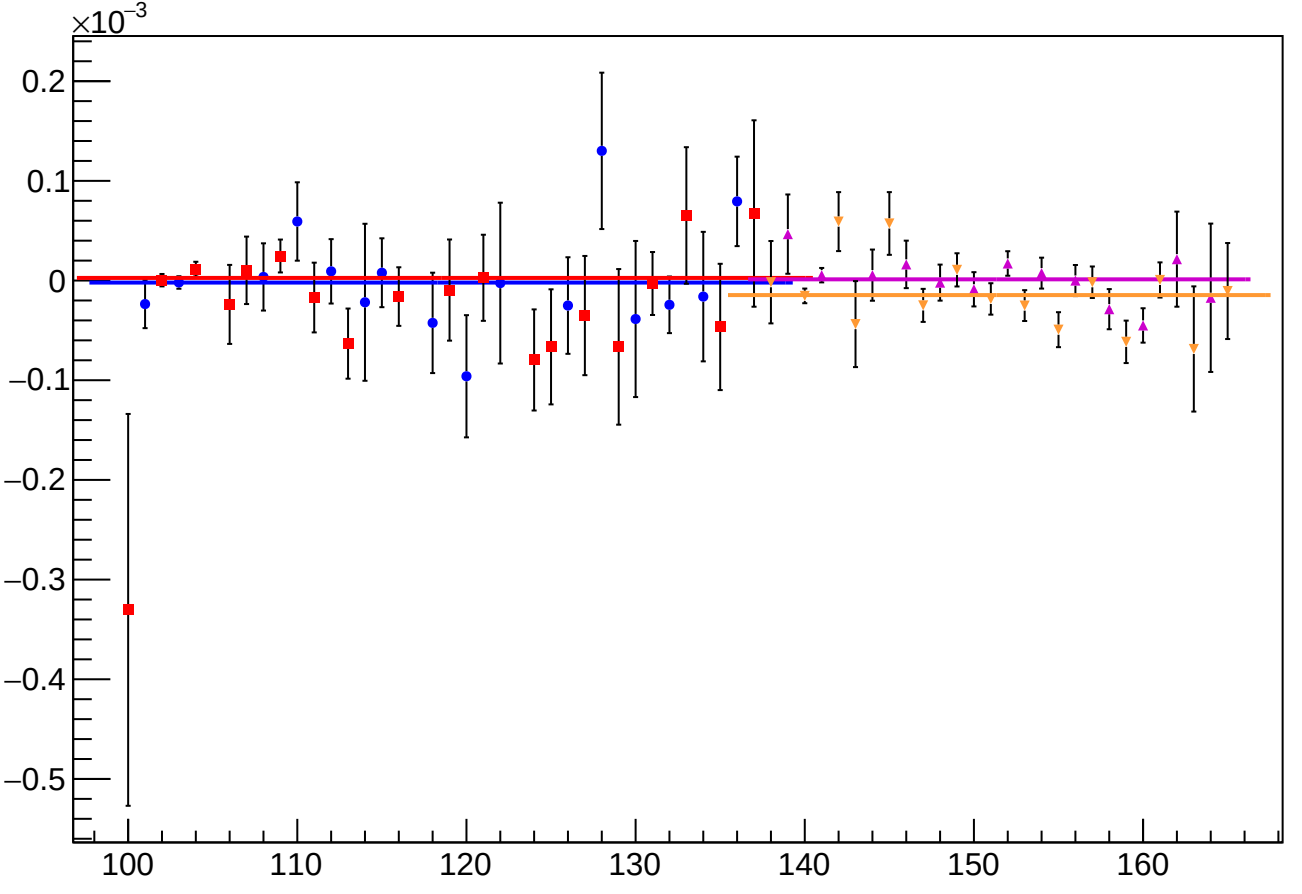
Left In: 603.119+/-0.132 χ^2/NDF:474319.7/12

+ sign 462.818+/-0.081 χ^2/NDF: 4459569.5/30

All: 443.941+/-0.056 χ^2/NDF: 10069976.0/62

- sign 426.379+/-0.078 χ^2/NDF: 5505687.8/31

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:26.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

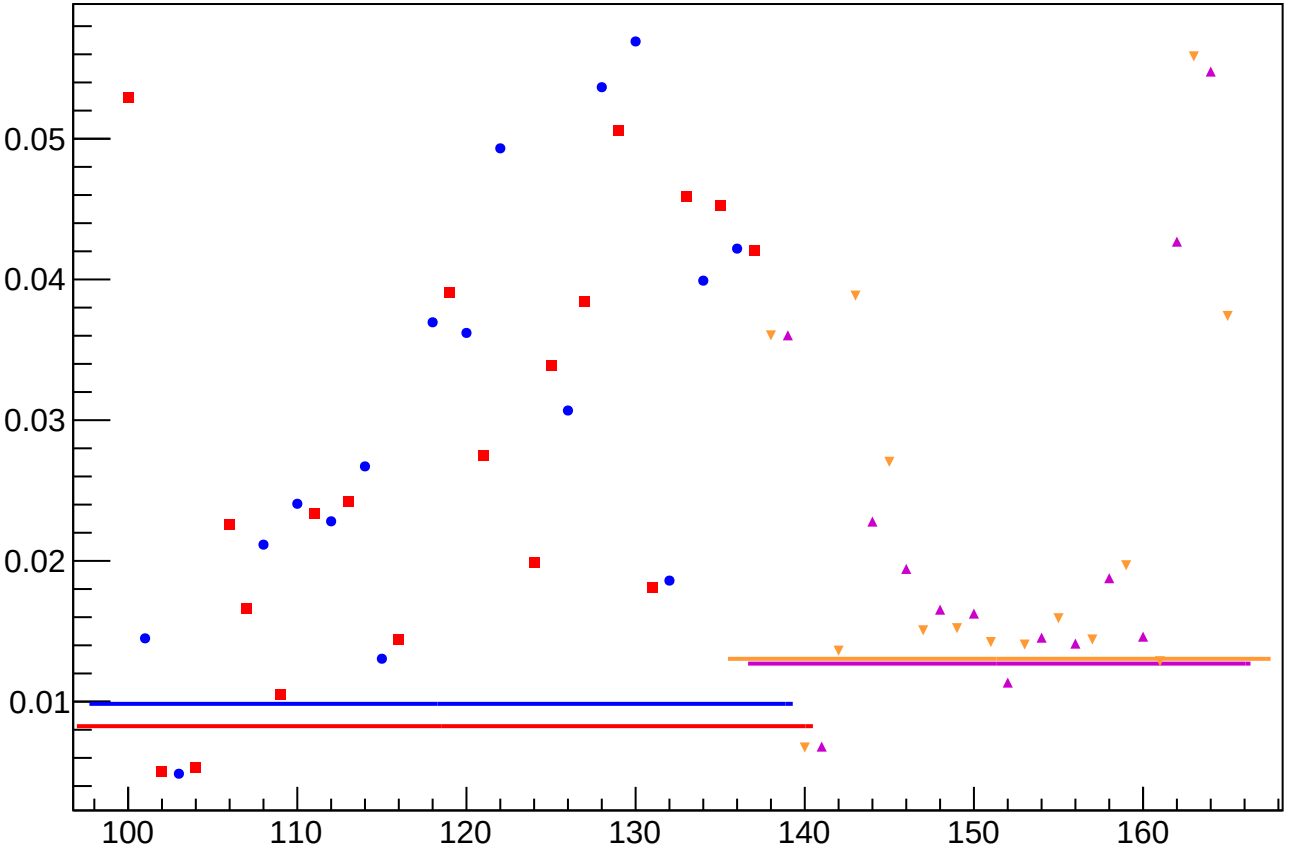
Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/30

All: -0.000+/-0.000 χ^2/NDF: 81.5/62

- sign 0.000+/-0.000 χ^2/NDF: 32.2/31

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:4991865.9/14

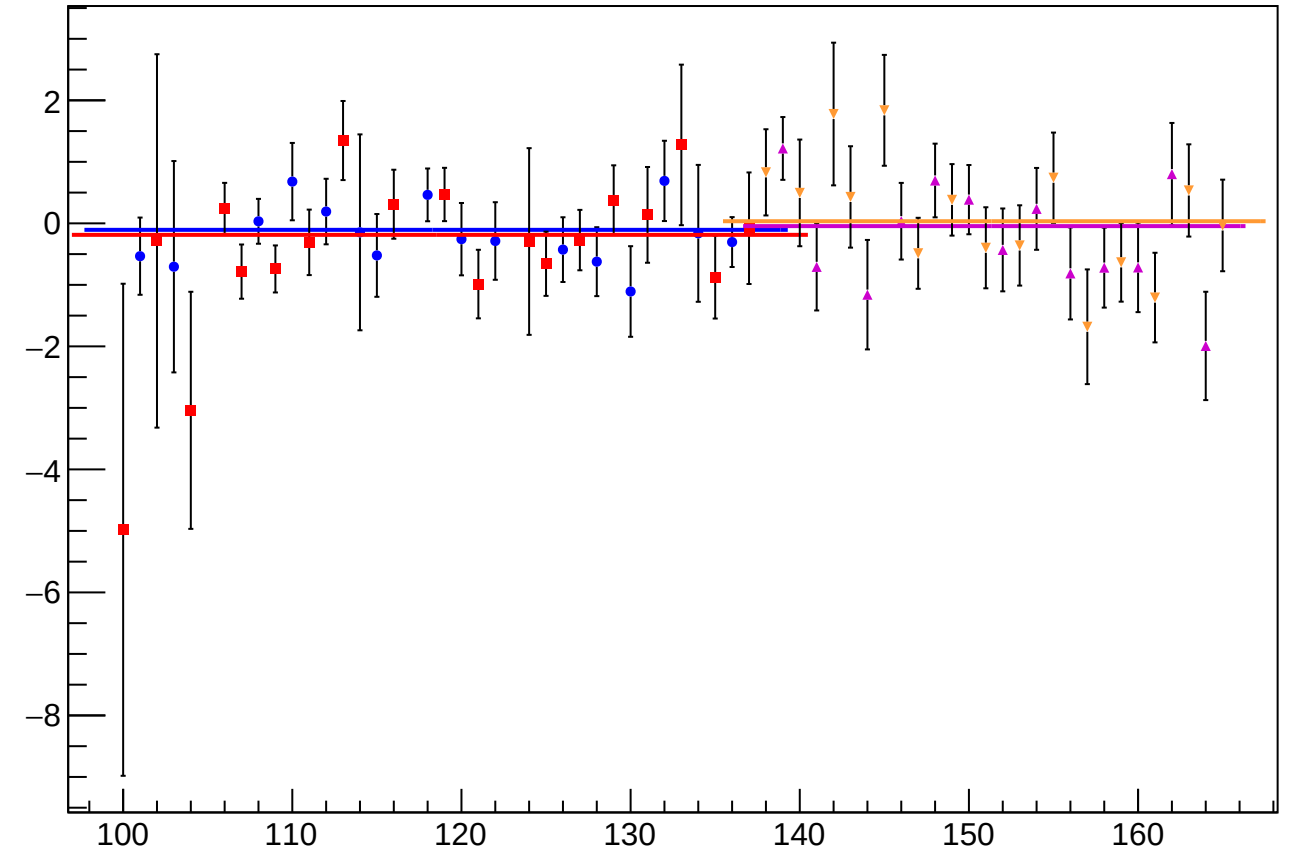
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:4364376.6/12

+ sign 0.012+/-0.000 χ^2/NDF: 12462006.6/30

All: 0.011+/-0.000 χ^2/NDF: 24800000.5/62

- sign 0.010+/-0.000 χ^2/NDF: 12157367.9/31



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

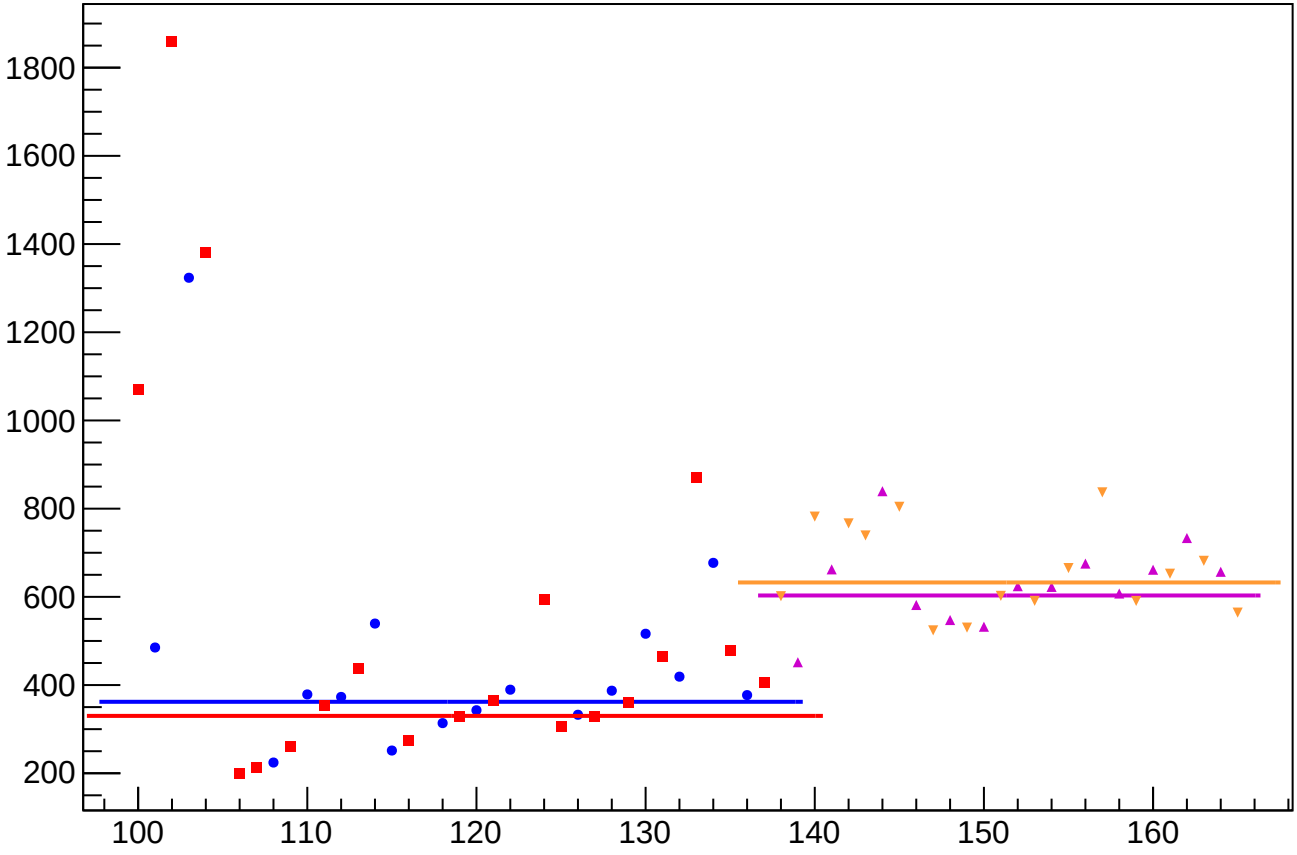
Left In: -0.045+/-0.186 χ^2/NDF:20.1/12

+ sign -0.053+/-0.115 χ^2/NDF: 28.8/30

All: -0.097+/-0.080 χ^2/NDF: 73.5/62

- sign -0.137+/-0.111 χ^2/NDF: 44.4/31

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 632.643+/-0.133 χ^2/NDF:476769.6/14

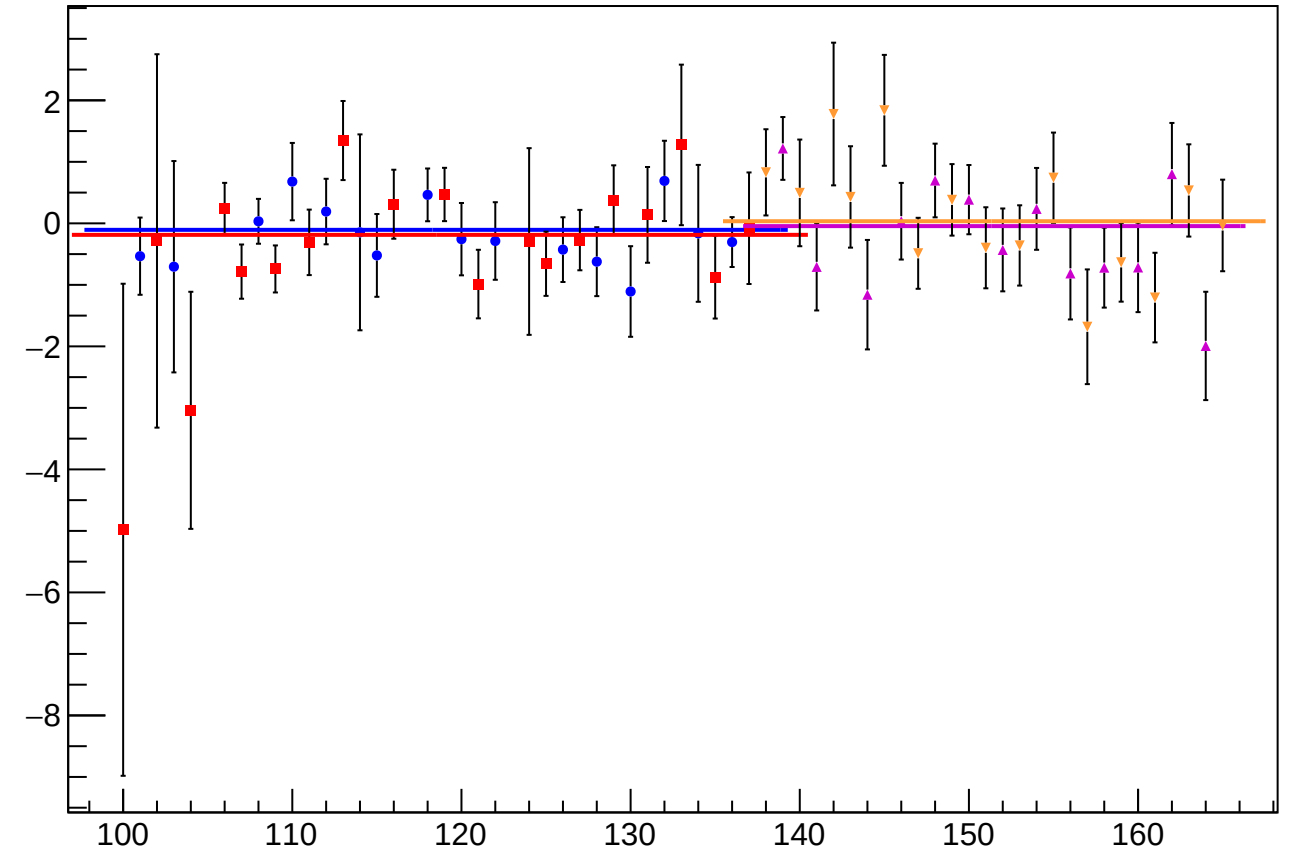
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 603.128+/-0.132 χ^2/NDF:474310.2/12

+ sign 462.817+/-0.081 χ^2/NDF: 4459774.2/30

All: 443.941+/-0.056 χ^2/NDF: 10070327.2/62

- sign 426.379+/-0.078 χ^2/NDF: 5505838.4/31



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.035+/-0.188 χ^2/NDF:18.8/14

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

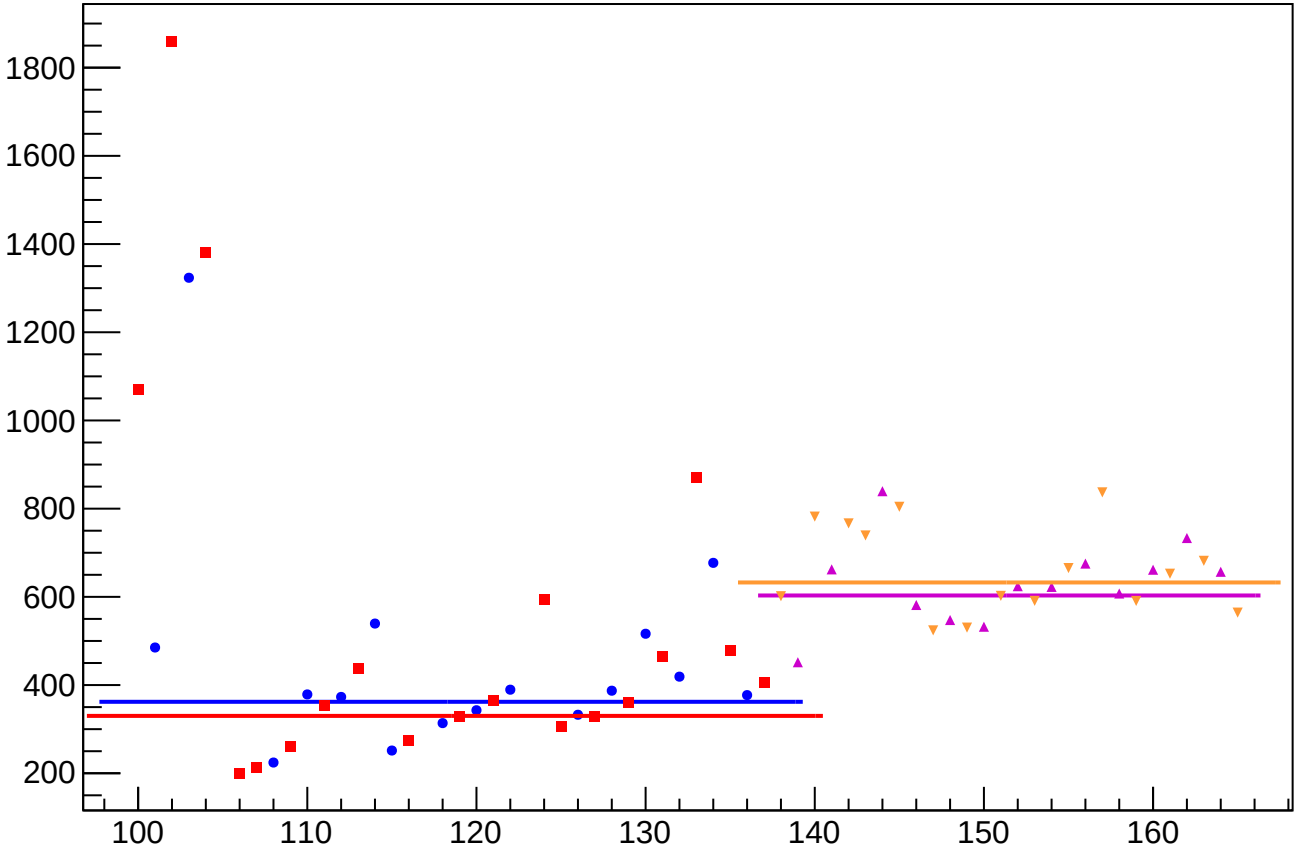
Left In: -0.045+/-0.186 χ^2/NDF:20.1/12

+ sign -0.053+/-0.115 χ^2/NDF: 28.8/30

All: -0.097+/-0.080 χ^2/NDF: 73.5/62

- sign -0.137+/-0.111 χ^2/NDF: 44.4/31

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 632.643+/-0.133 χ^2/NDF:476769.6/14

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

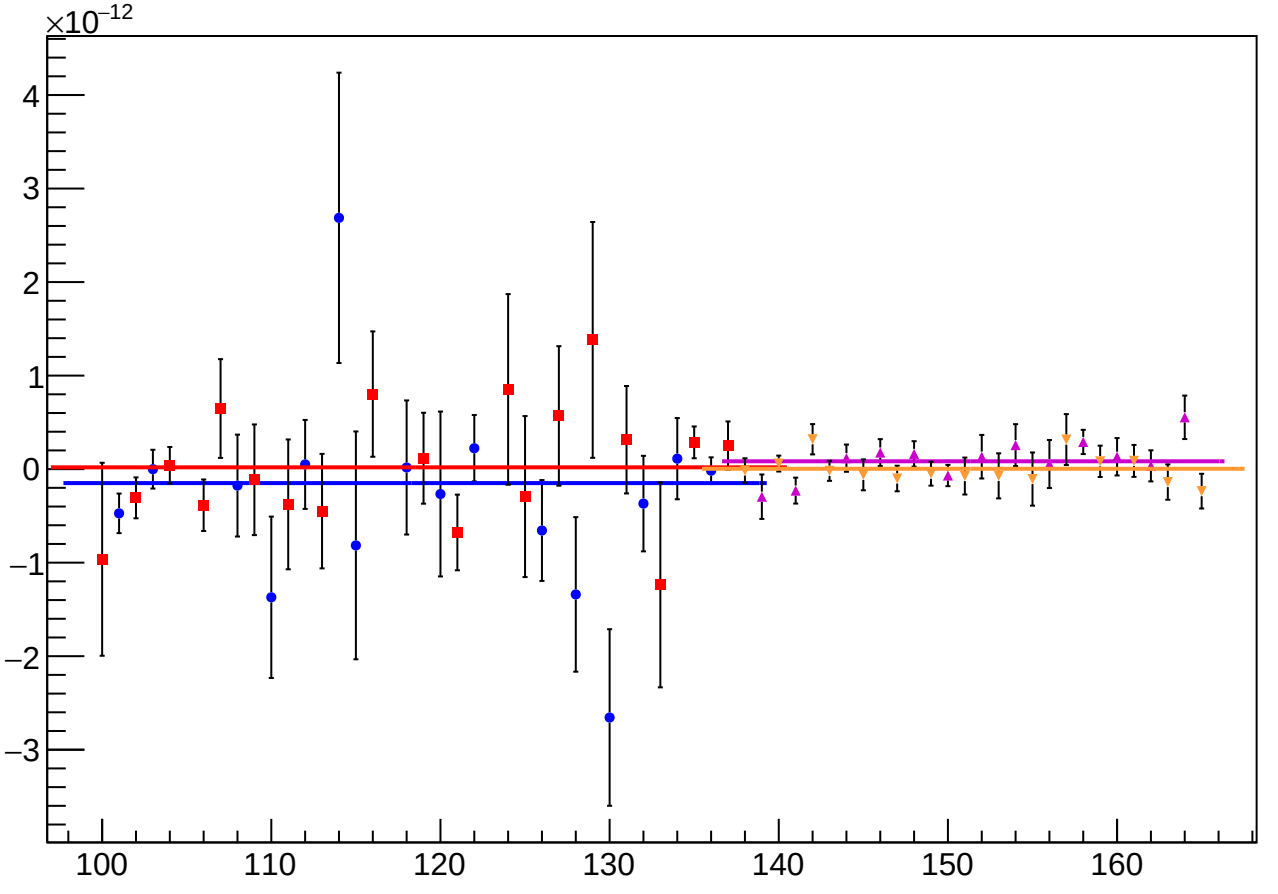
Left In: 603.128+/-0.132 χ^2/NDF:474310.2/12

+ sign 462.817+/-0.081 χ^2/NDF: 4459774.2/30

All: 443.941+/-0.056 χ^2/NDF: 10070327.2/62

- sign 426.379+/-0.078 χ^2/NDF: 5505838.4/31

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:9.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

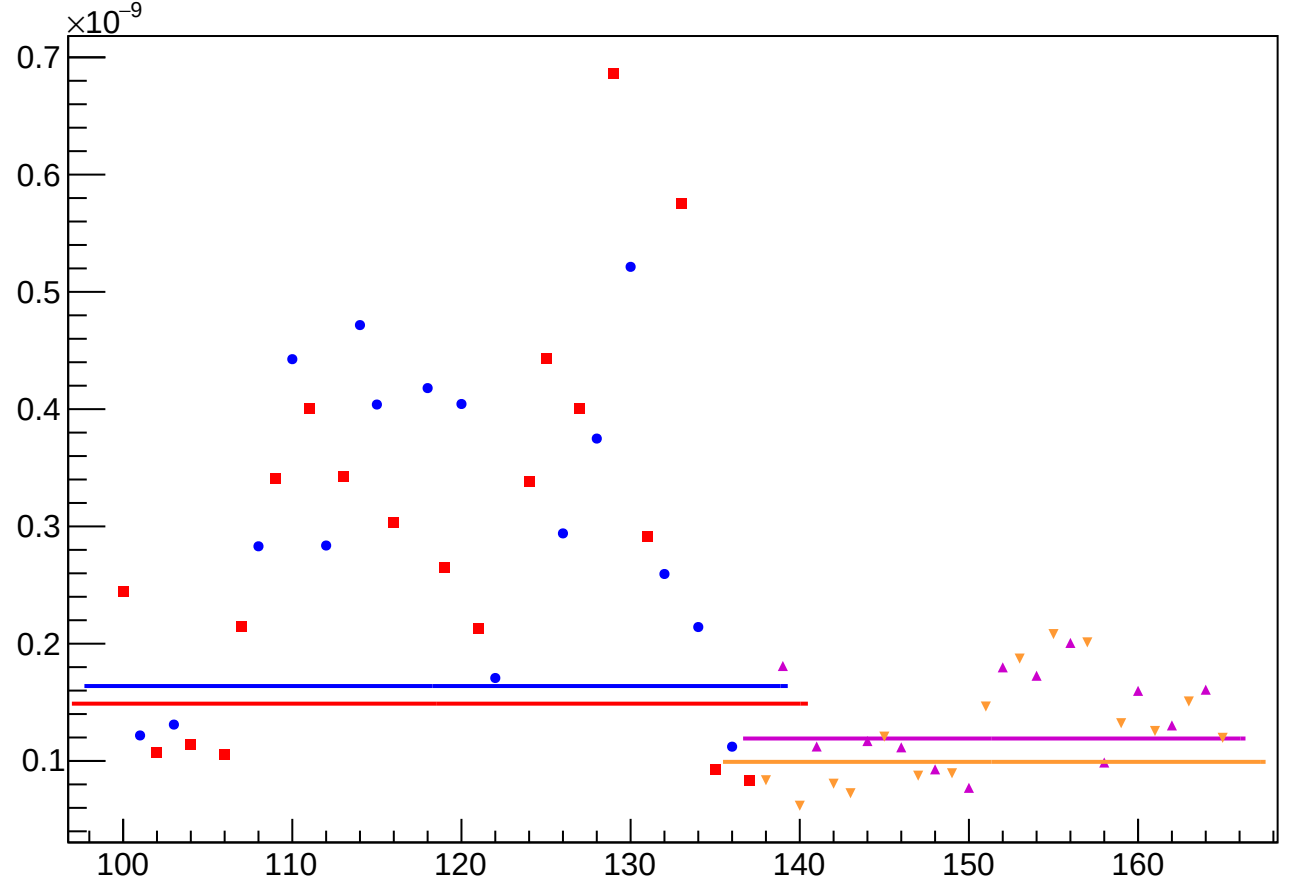
Left In: 0.000+/-0.000 χ^2/NDF:17.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/30

All: 0.000+/-0.000 χ^2/NDF: 73.9/62

- sign 0.000+/-0.000 χ^2/NDF: 37.6/31

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1879587.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

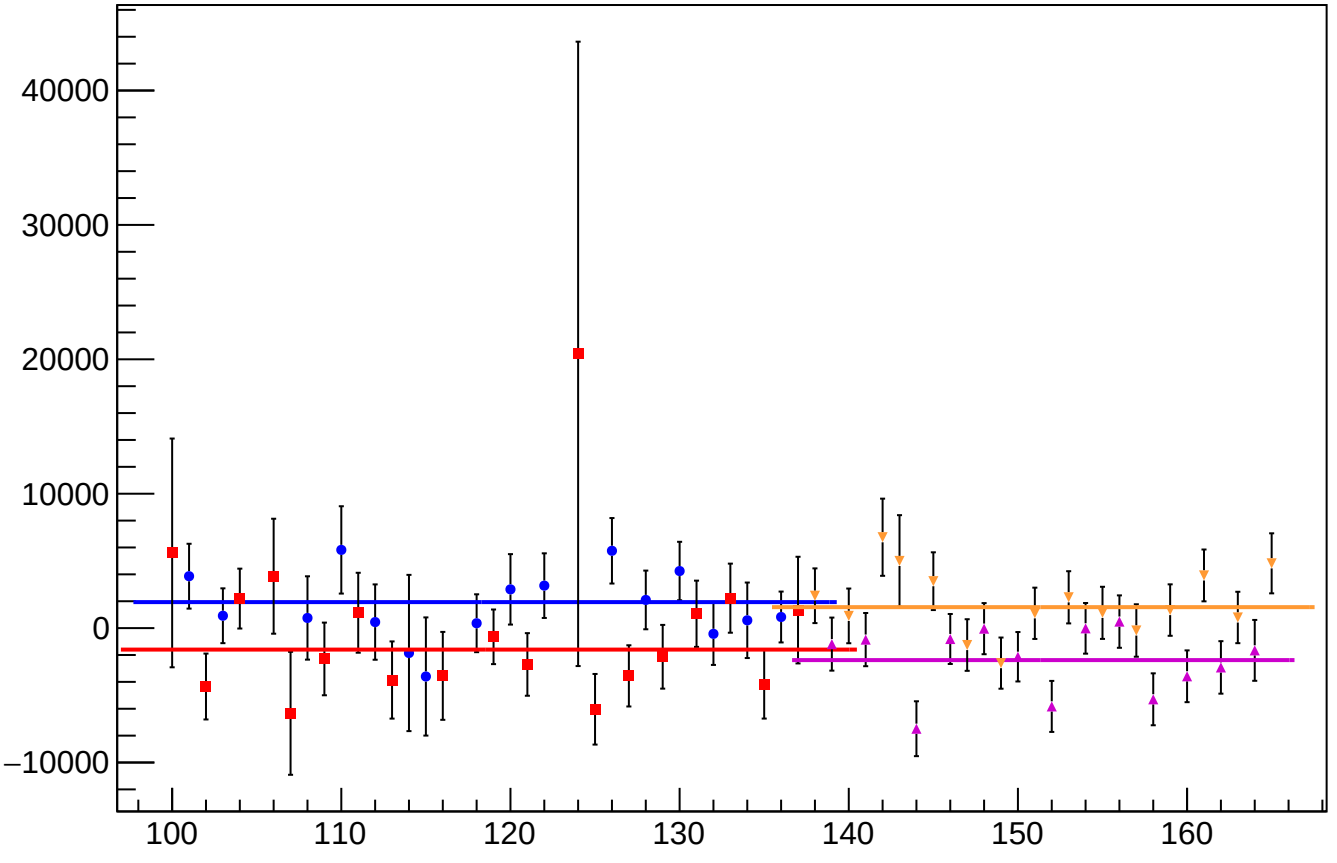
Left In: 0.000+/-0.000 χ^2/NDF:1151289.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4807875.7/30

All: 0.000+/-0.000 χ^2/NDF: 9182725.1/62

- sign 0.000+/-0.000 χ^2/NDF: 4193467.4/31

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1559.662+/-531.613 χ^2/NDF:17.2/14

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

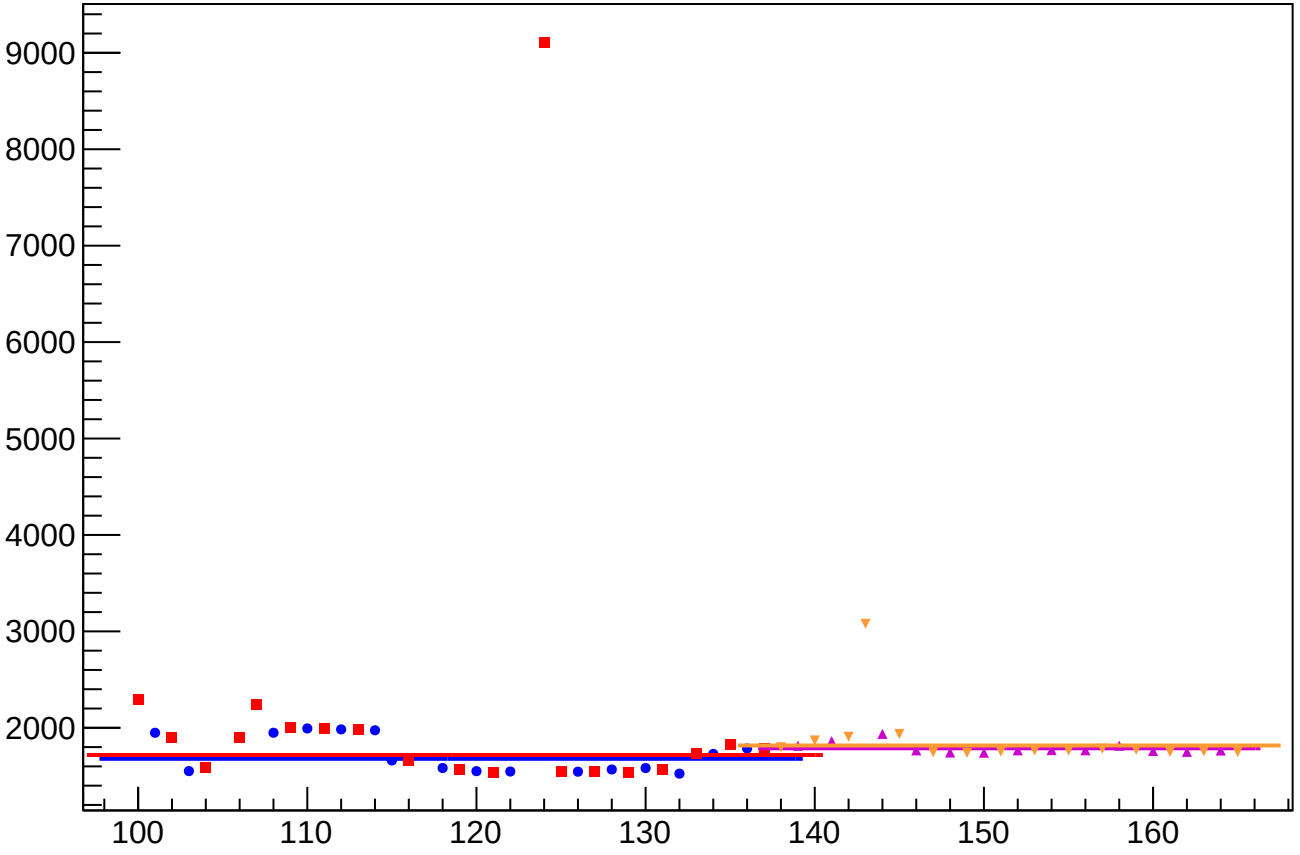
Left In: -2379.934+/-539.926 χ^2/NDF:19.3/12

+ sign 1716.282+/-405.720 χ^2/NDF: 28.3/30

All: -135.115+/-289.521 χ^2/NDF: 110.3/62

- sign -2056.102+/-413.274 χ^2/NDF: 39.6/31

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1816.552+/-0.376 χ^2/NDF:302611.5/14

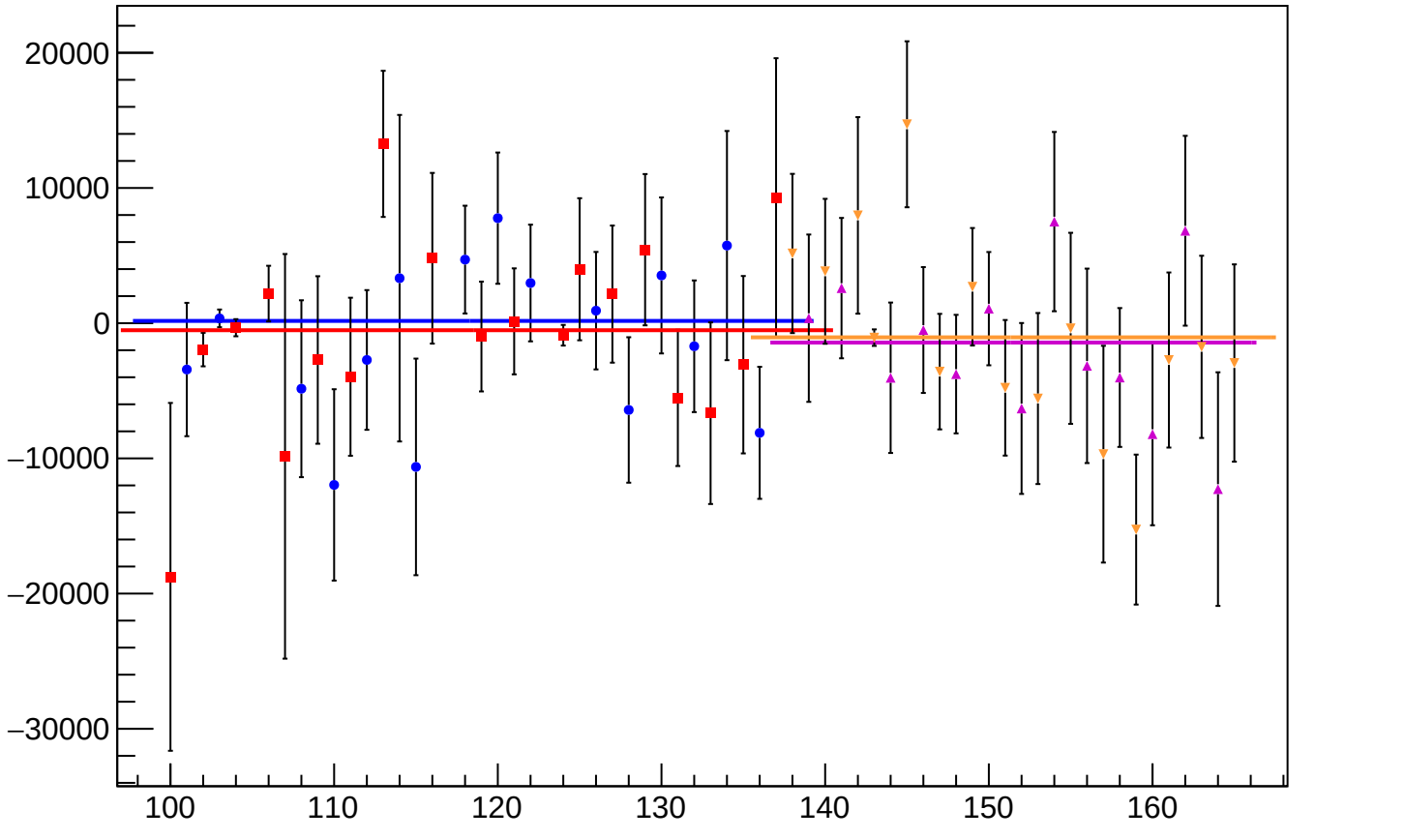
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

+ sign 1758.926+/-0.287 χ^2/NDF: 500374.9/30

All: 1758.795+/-0.205 χ^2/NDF: 916045.1/62

- sign 1758.660+/-0.292 χ^2/NDF: 415669.7/31



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1047.002+/-568.109 χ^2/NDF:20.1/14

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

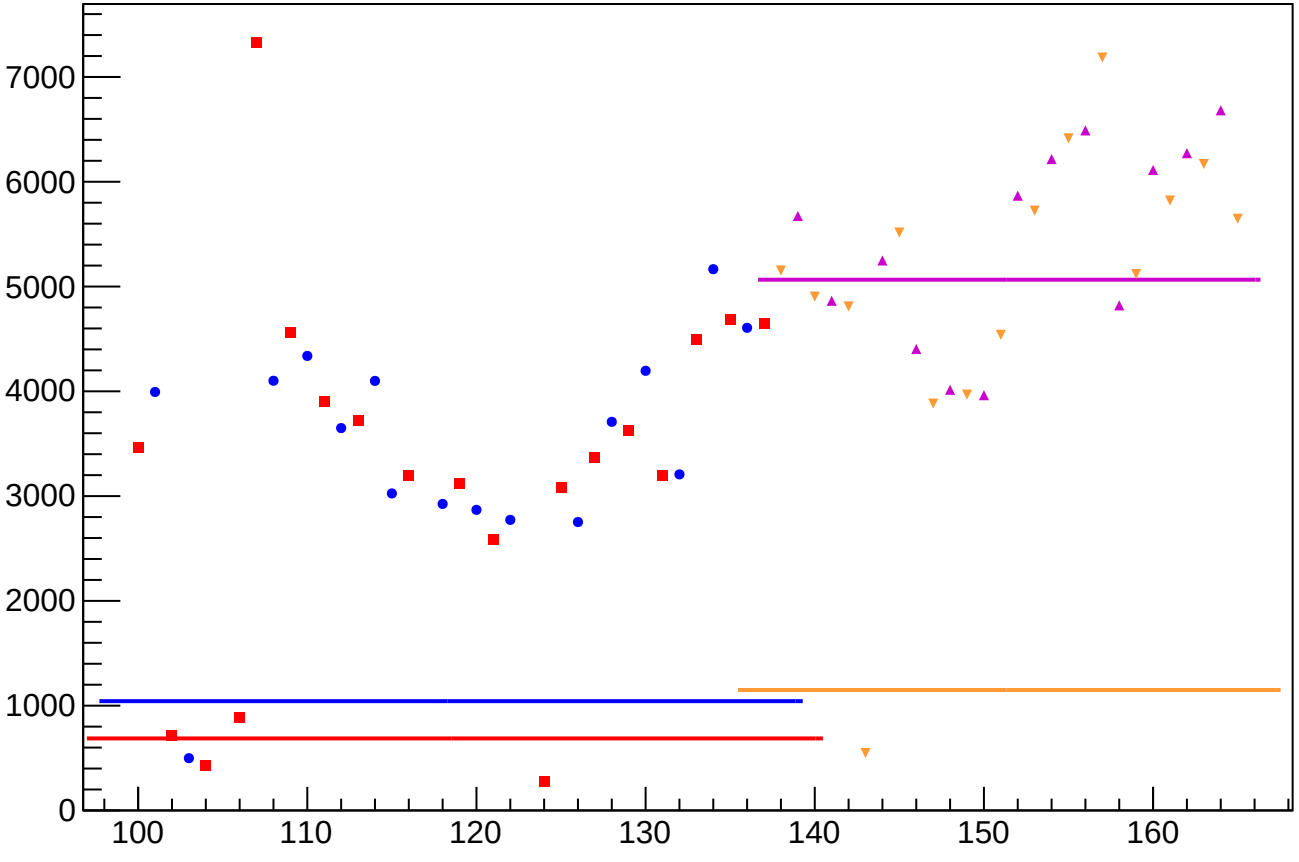
Left In: -1432.698+/-1559.031 χ^2/NDF:8.3/12

+ sign -463.973+/-409.769 χ^2/NDF: 38.1/30

All: -524.016+/-289.776 χ^2/NDF: 65.3/62

- sign -584.080+/-409.842 χ^2/NDF: 27.1/31

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1149.633+/-0.402 χ^2/NDF:15165792.2/14

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

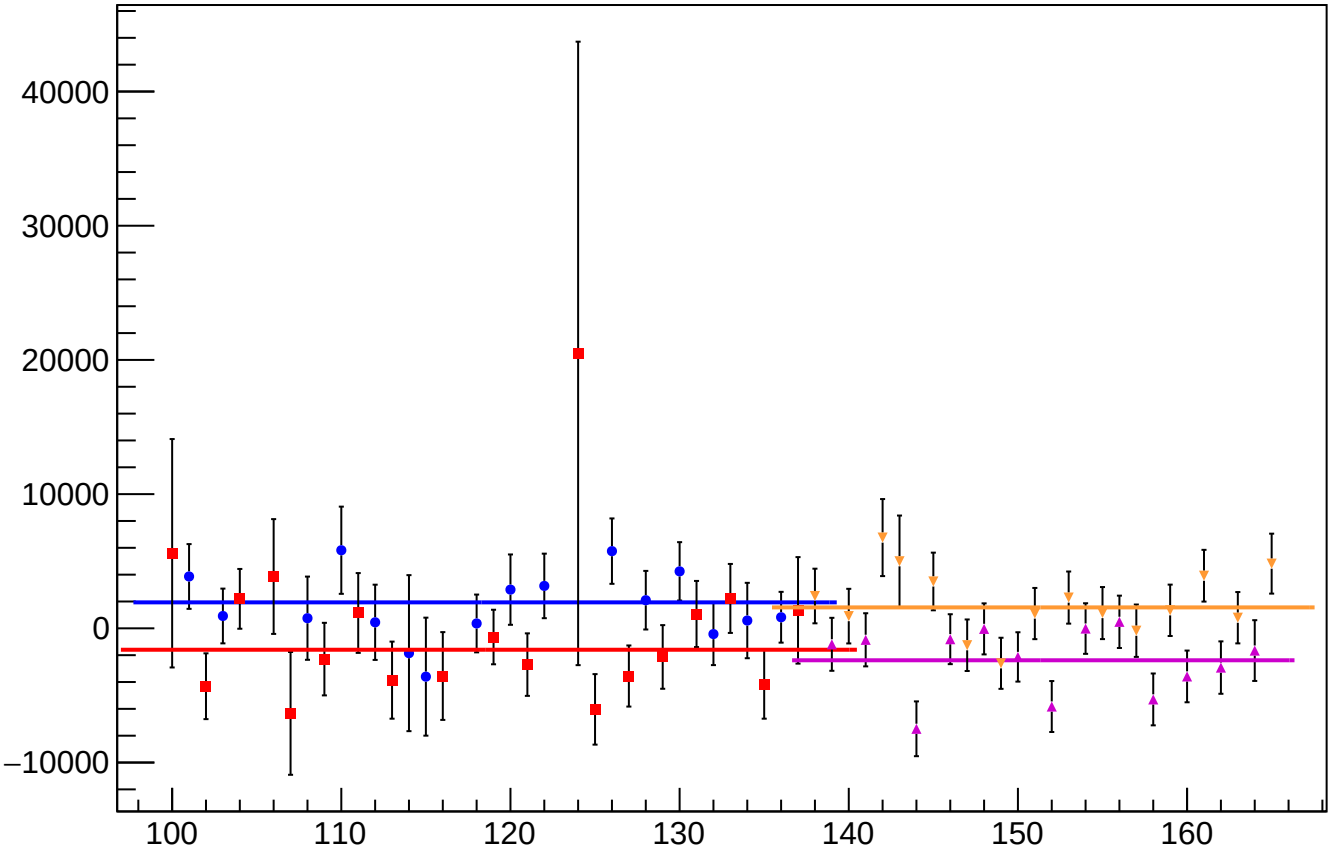
Left In: 5065.305+/-1.102 χ^2/NDF:671106.5/12

+ sign 1098.532+/-0.290 χ^2/NDF: 23311419.1/30

All: 1044.215+/-0.205 χ^2/NDF: 47365722.9/6

- sign 989.879+/-0.290 χ^2/NDF: 23984008.4/31

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1559.678+/-531.613 χ^2/NDF:17.2/14

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

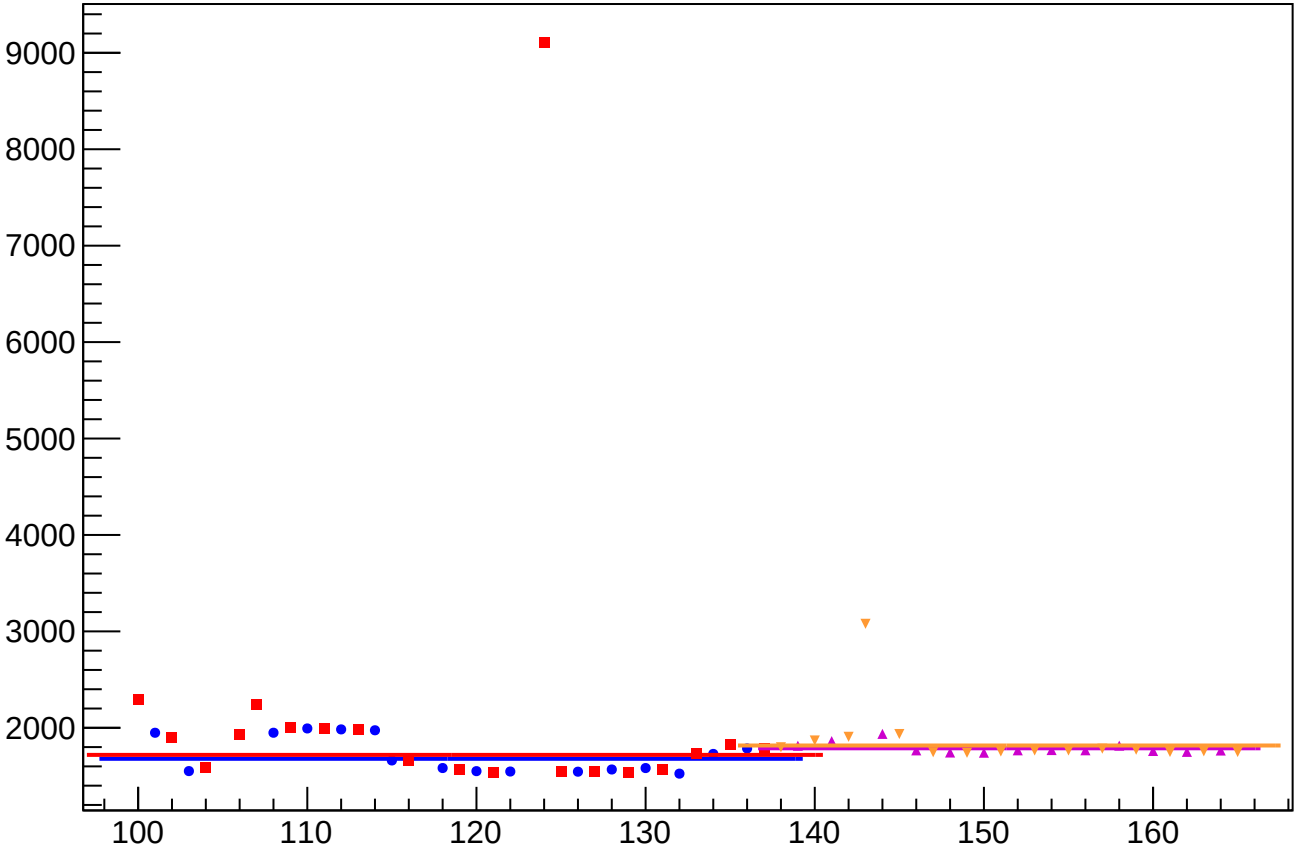
Left In: -2380.070+/-539.926 χ^2/NDF:19.3/12

+ sign 1716.339+/-405.720 χ^2/NDF: 28.3/30

All: -134.625+/-289.522 χ^2/NDF: 110.3/62

- sign -2055.175+/-413.276 χ^2/NDF: 39.6/31

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1816.552+/-0.376 χ^2/NDF:302611.5/14

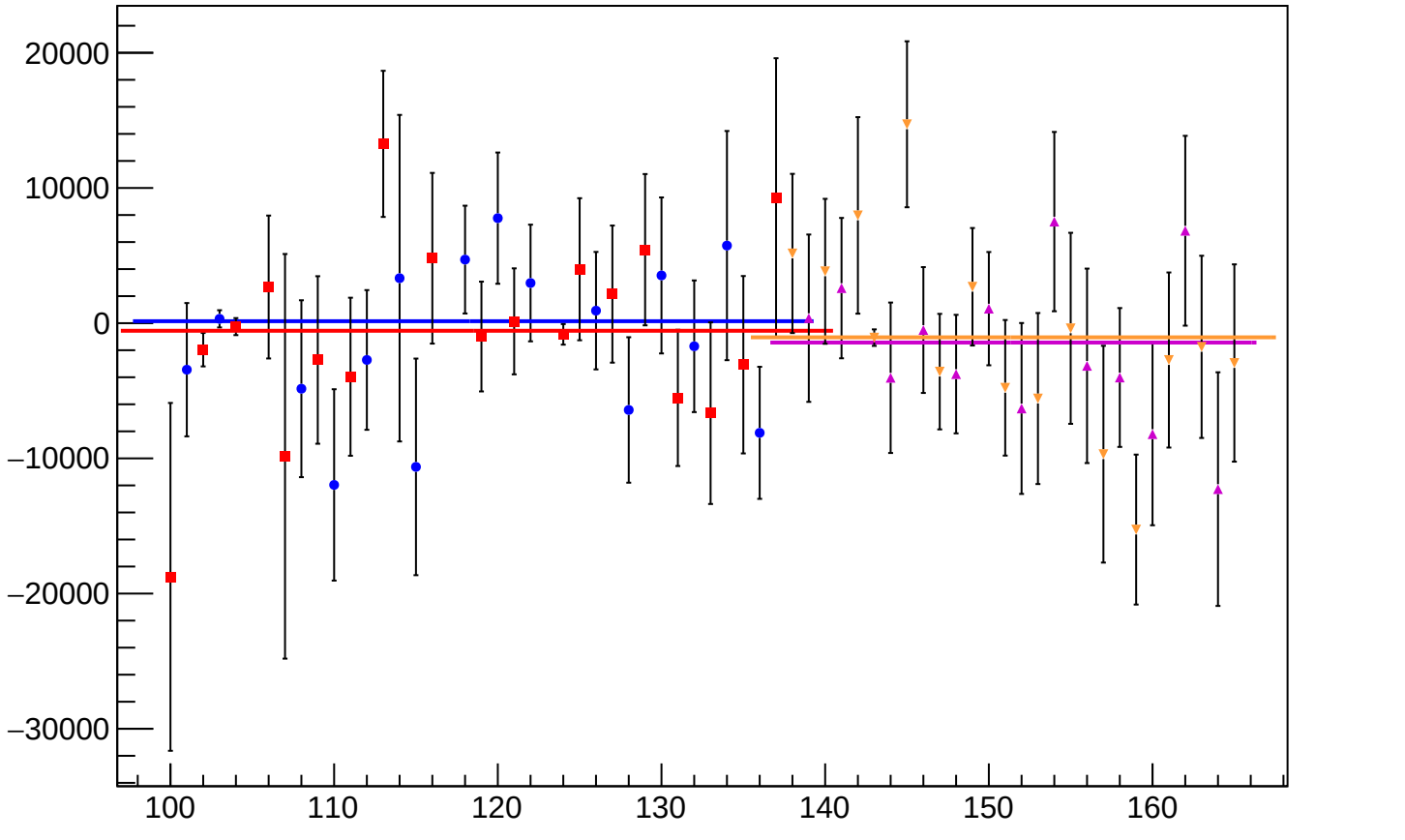
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

\+ sign 1758.926+/-0.287 χ^2/NDF: 500375.1/30

All: 1758.974+/-0.205 χ^2/NDF: 917452.7/62

\- sign 1759.023+/-0.292 χ^2/NDF: 417077.5/31



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1046.649+/-568.089 χ^2/NDF:20.1/14

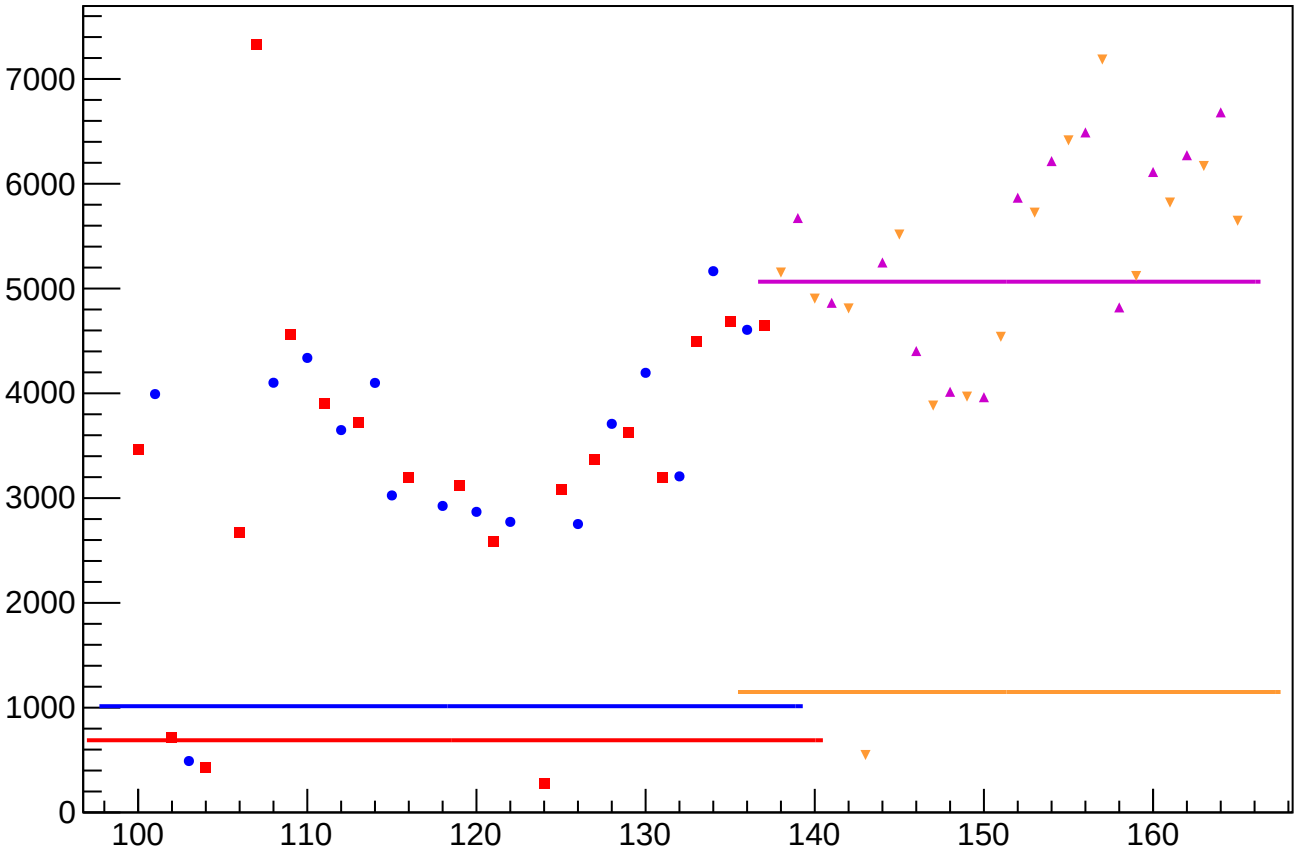
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1432.840+/-1559.030 χ^2/NDF:8.3/12

+ sign -461.766+/-405.624 χ^2/NDF: 38.1/30

All: -540.635+/-290.105 χ^2/NDF: 64.0/62

- sign -623.222+/-415.079 χ^2/NDF: 25.8/31



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1149.571+/-0.402 χ^2/NDF:15166100.9/14

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

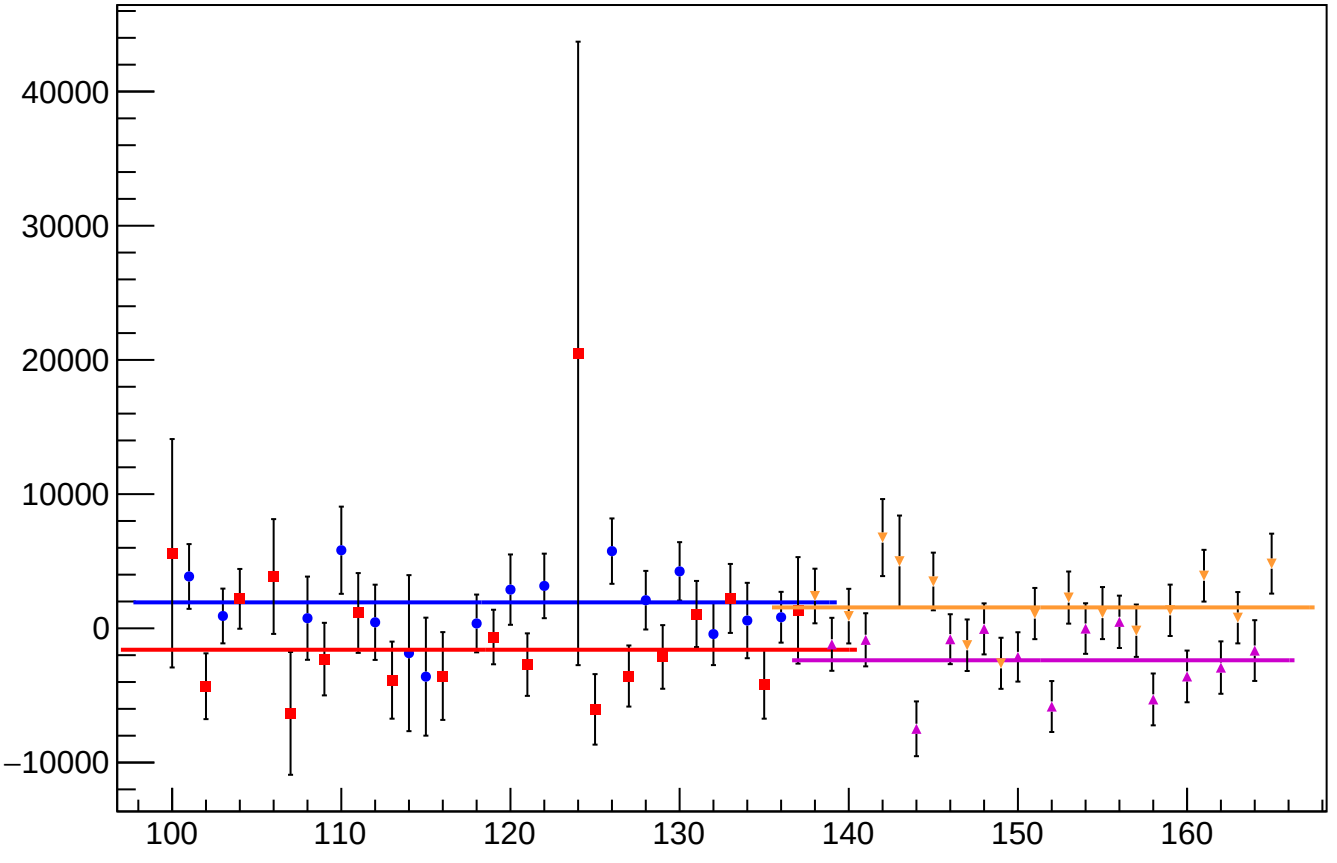
Left In: 5065.300+/-1.102 χ^2/NDF:671123.9/12

+ sign 1083.163+/-0.287 χ^2/NDF: 23444873.2/30

All: 1042.179+/-0.205 χ^2/NDF: 47709940.0/6

- sign 999.263+/-0.294 χ^2/NDF: 24223269.0/31

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1559.678+/-531.613 χ^2/NDF:17.2/14

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

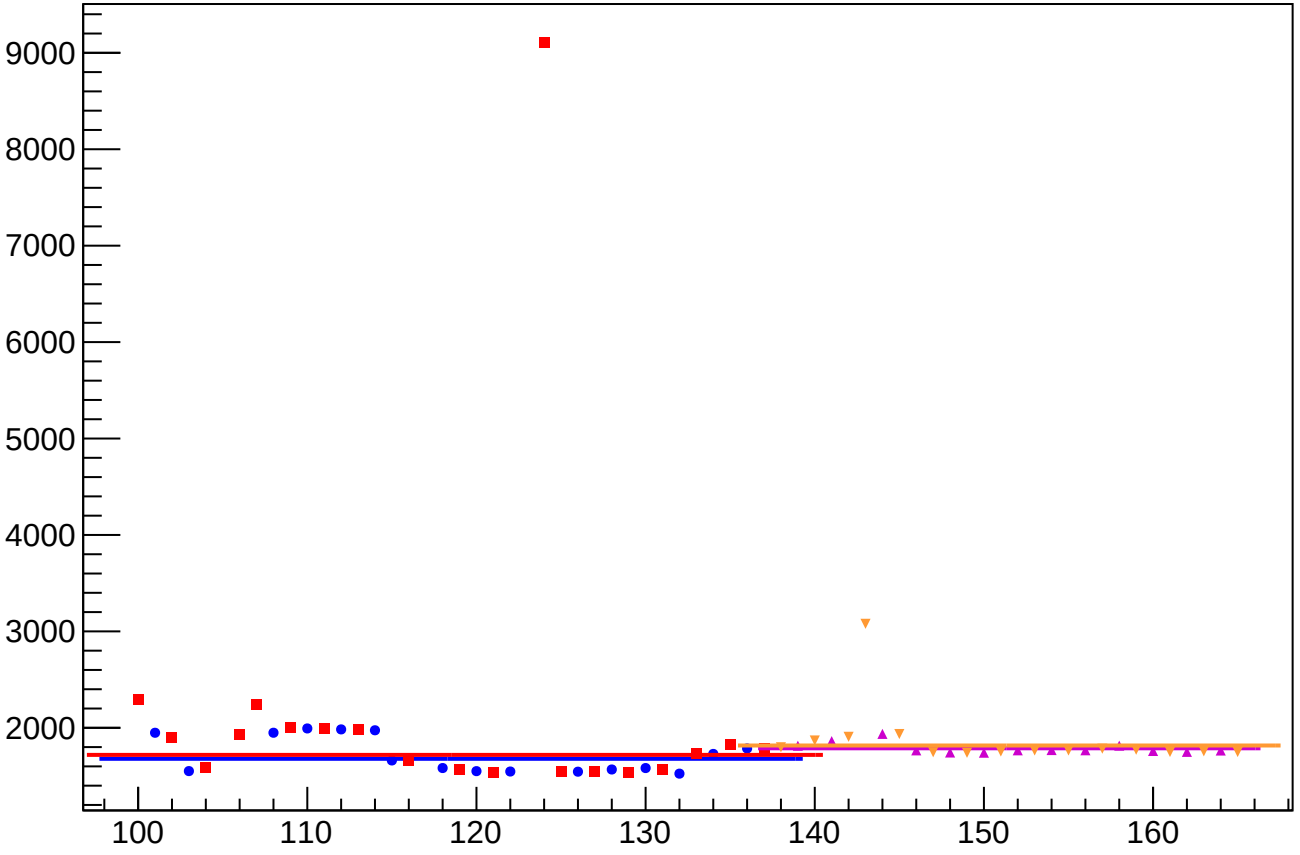
Left In: -2380.070+/-539.926 χ^2/NDF:19.3/12

+ sign 1716.339+/-405.720 χ^2/NDF: 28.3/30

All: -134.625+/-289.522 χ^2/NDF: 110.3/62

- sign -2055.175+/-413.276 χ^2/NDF: 39.6/31

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1816.552+/-0.376 χ^2/NDF:302611.5/14

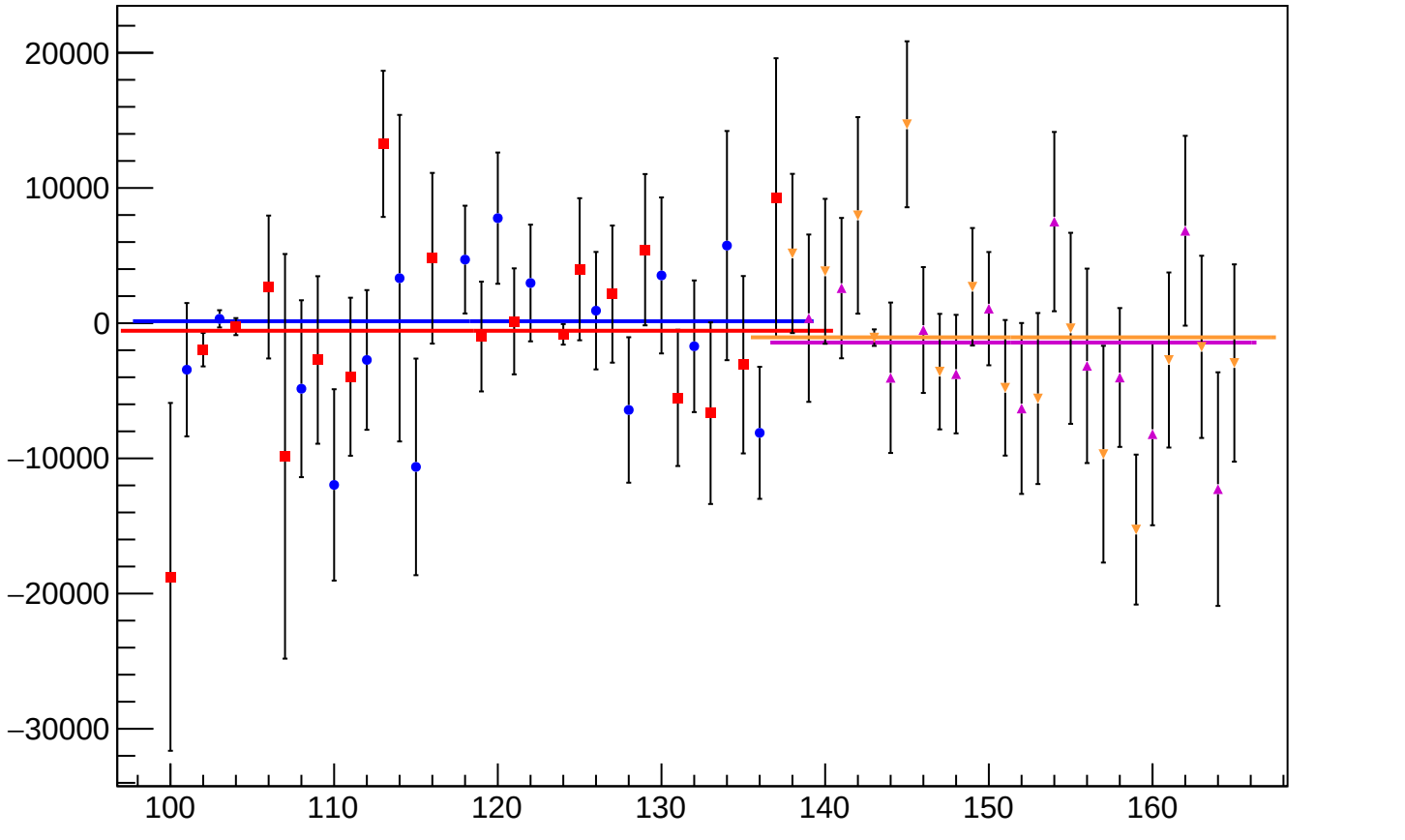
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

+ sign 1758.926+/-0.287 χ^2/NDF: 500375.1/30

All: 1758.974+/-0.205 χ^2/NDF: 917452.7/62

- sign 1759.023+/-0.292 χ^2/NDF: 417077.5/31



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1046.649+/-568.089 χ^2/NDF:20.1/14

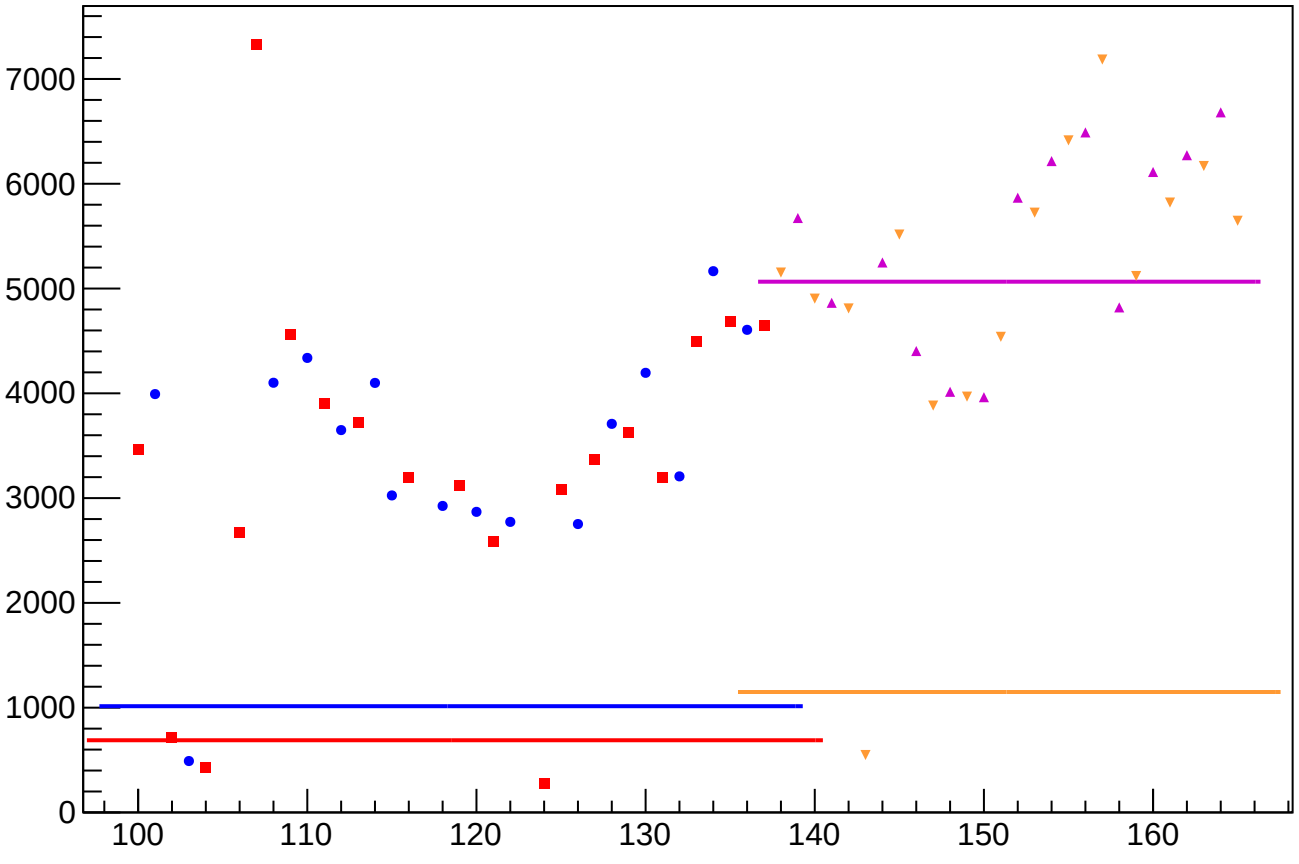
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1432.840+/-1559.030 χ^2/NDF:8.3/12

+ sign -461.766+/-405.624 χ^2/NDF: 38.1/30

All: -540.635+/-290.105 χ^2/NDF: 64.0/62

- sign -623.222+/-415.079 χ^2/NDF: 25.8/31



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1149.571+/-0.402 χ^2/NDF:15166100.9/14

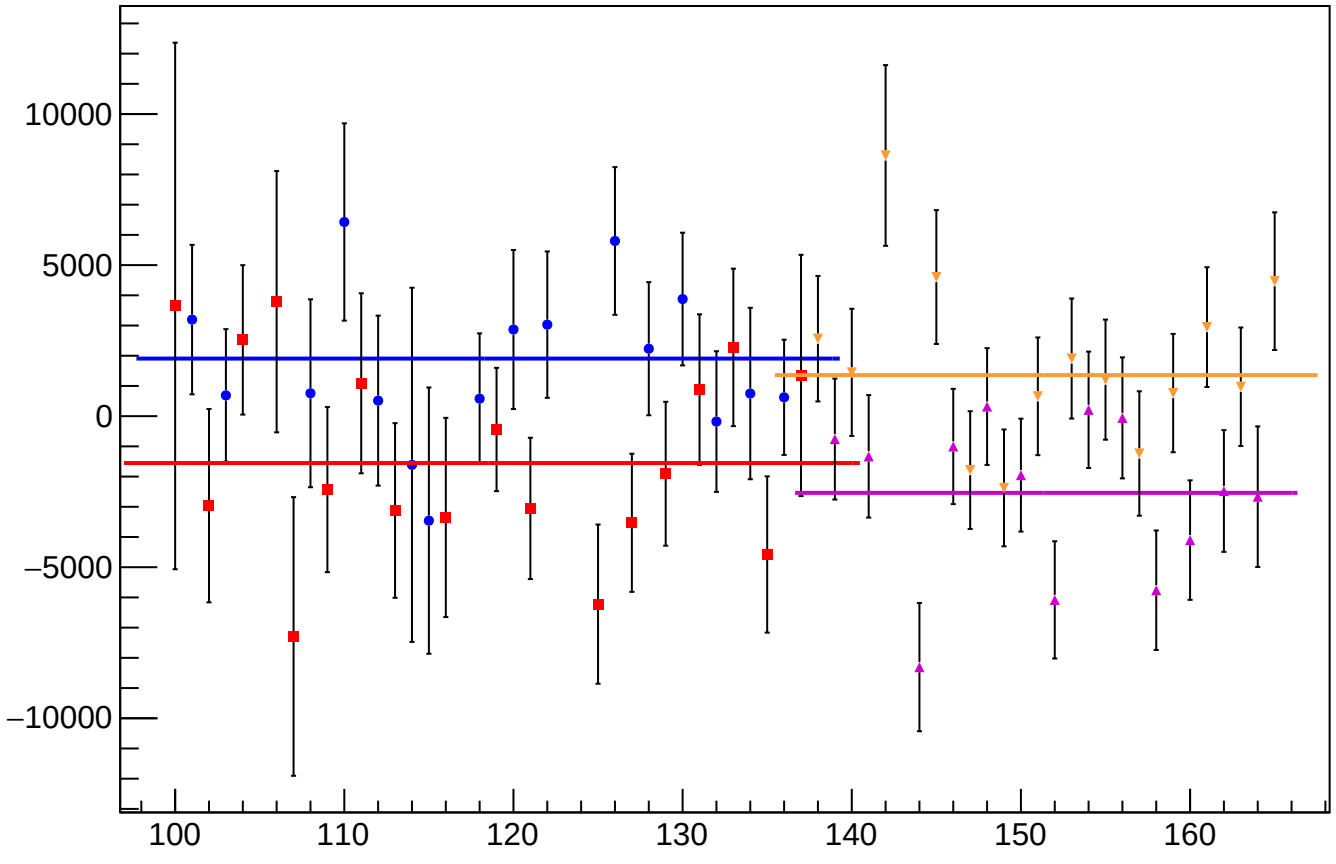
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5065.300+/-1.102 χ^2/NDF:671123.9/12

+ sign 1083.163+/-0.287 χ^2/NDF: 23444873.2/30

All: 1042.179+/-0.205 χ^2/NDF: 47709940.0/6

- sign 999.263+/-0.294 χ^2/NDF: 24223269.0/31



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1358.653+/-552.432 χ^2/NDF:19.2/13

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

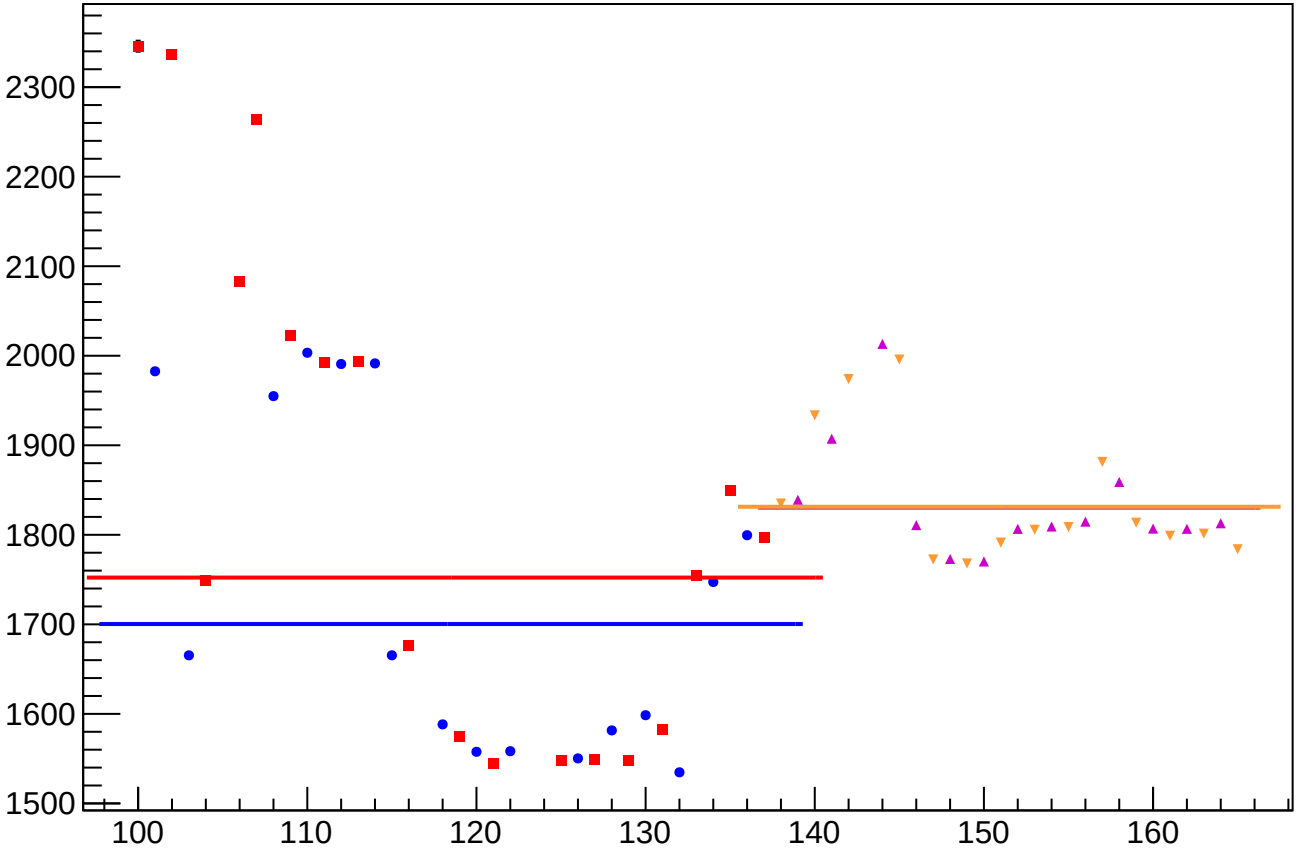
Left In: -2538.770+/-552.982 χ^2/NDF:21.7/12

+ sign 1593.933+/-417.189 χ^2/NDF: 29.8/29

All: -238.274+/-297.427 χ^2/NDF: 109.5/60

- sign -2132.118+/-424.148 χ^2/NDF: 40.4/30

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1831.334+/-0.391 χ^2/NDF:28894.7/13

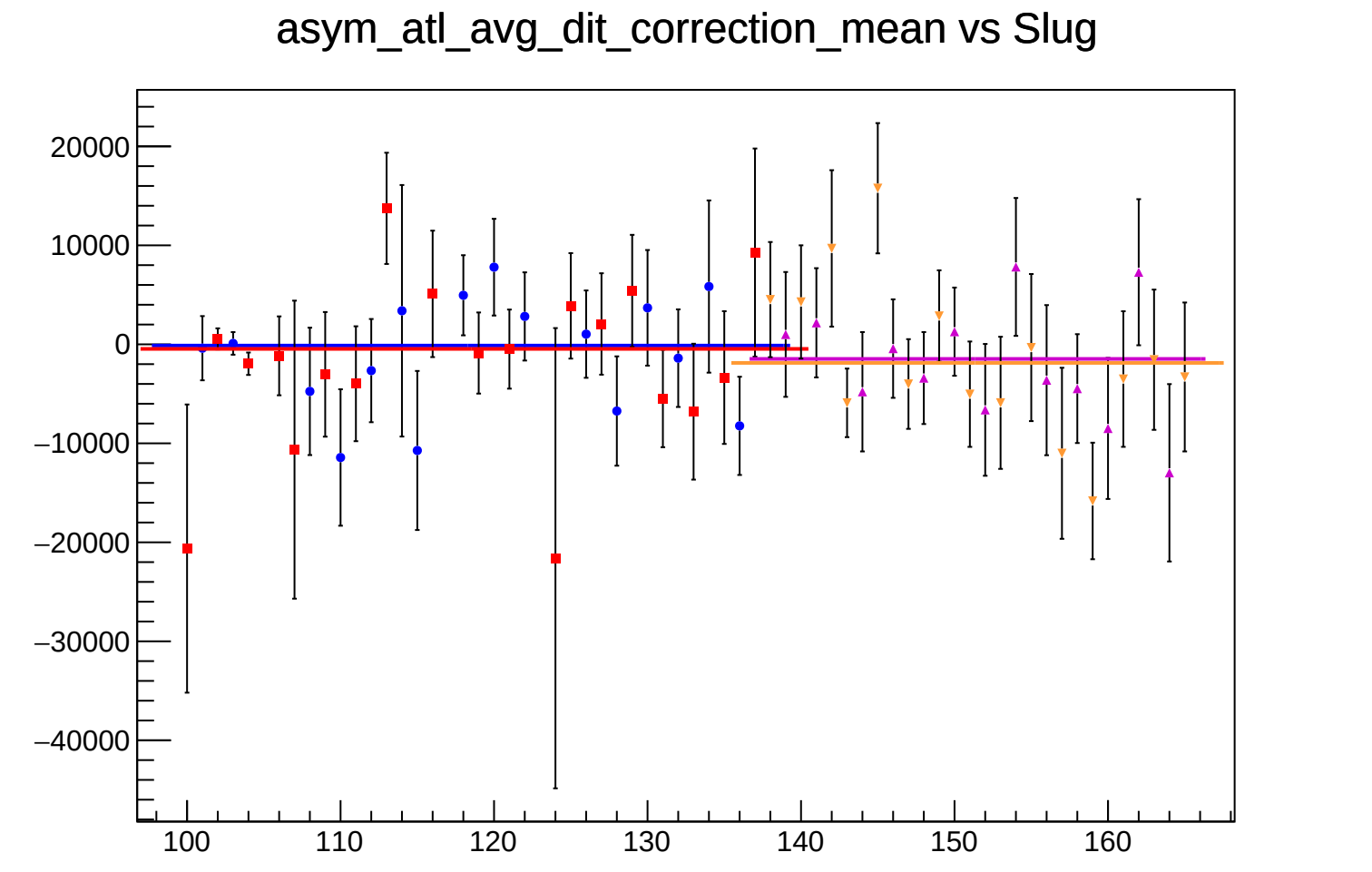
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1830.367+/-0.391 χ^2/NDF:23573.3/12

+ sign 1775.054+/-0.295 χ^2/NDF: 212622.3/29

All: 1786.405+/-0.210 χ^2/NDF: 503636.4/60

- sign 1798.117+/-0.300 χ^2/NDF: 288005.7/30



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1874.811+/-1481.963 χ^2/NDF:21.9/14

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

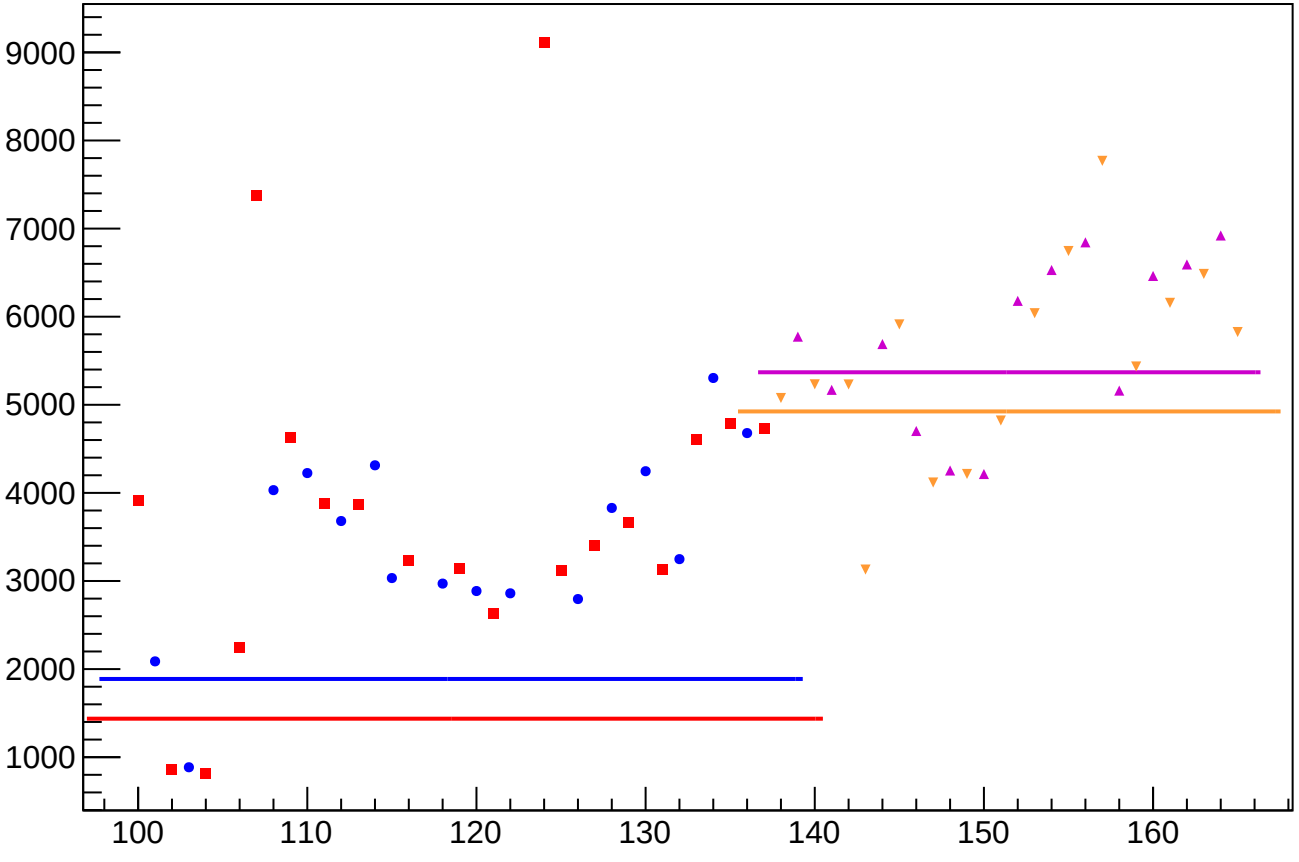
Left In: -1471.949+/-1651.013 χ^2/NDF:8.3/12

+ sign -572.029+/-748.756 χ^2/NDF: 38.0/30

All: -591.950+/-481.206 χ^2/NDF: 65.1/62

- sign -605.968+/-628.091 χ^2/NDF: 27.1/31

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4924.595+/-1.048 χ^2/NDF:1301985.6/14

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

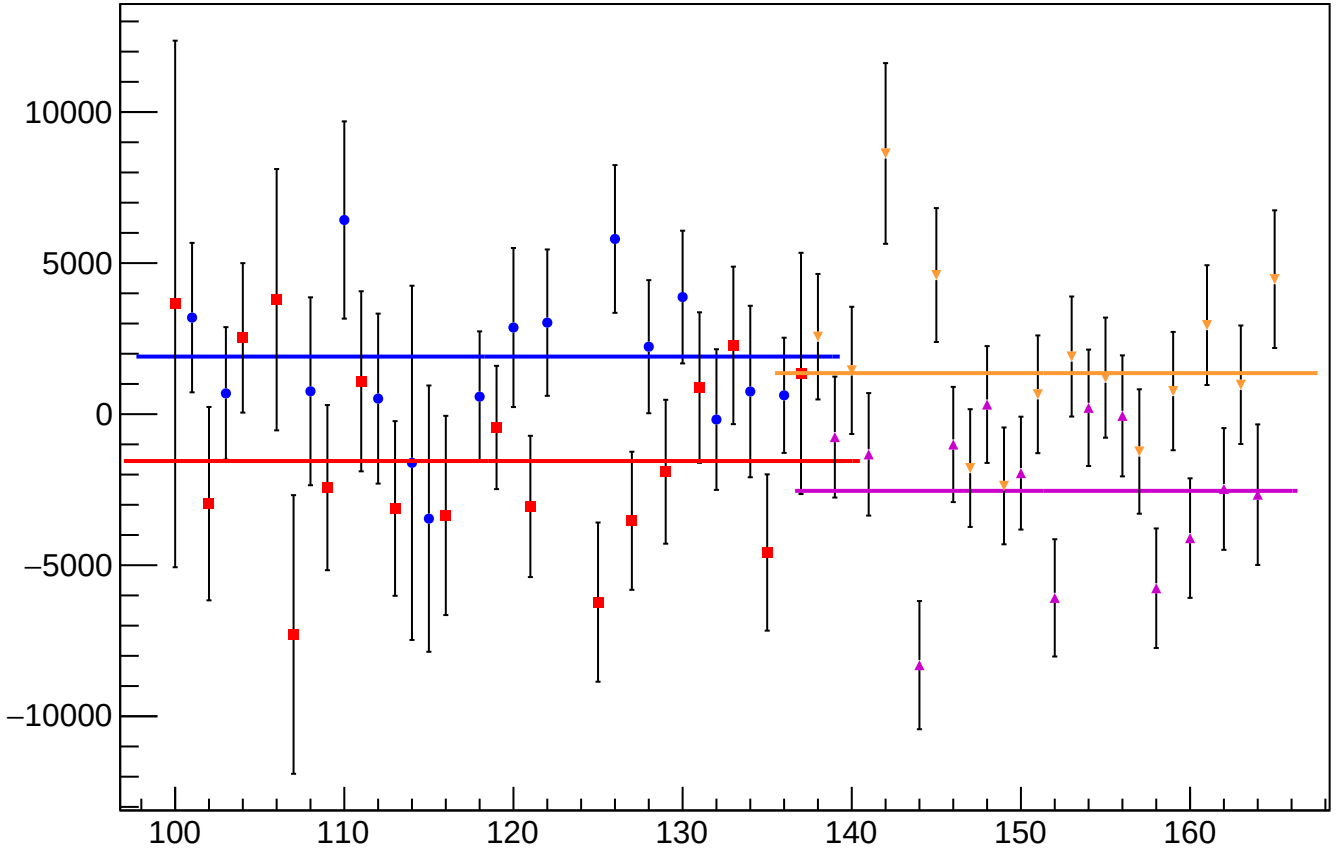
Left In: 5369.112+/-1.167 χ^2/NDF:627963.3/12

+ sign 2663.162+/-0.529 χ^2/NDF: 11981218.0/30

All: 2277.526+/-0.340 χ^2/NDF: 29179235.4/6

- sign 2006.169+/-0.444 χ^2/NDF: 16294187.0/31

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1358.648+/-552.433 χ^2/NDF:19.2/13

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

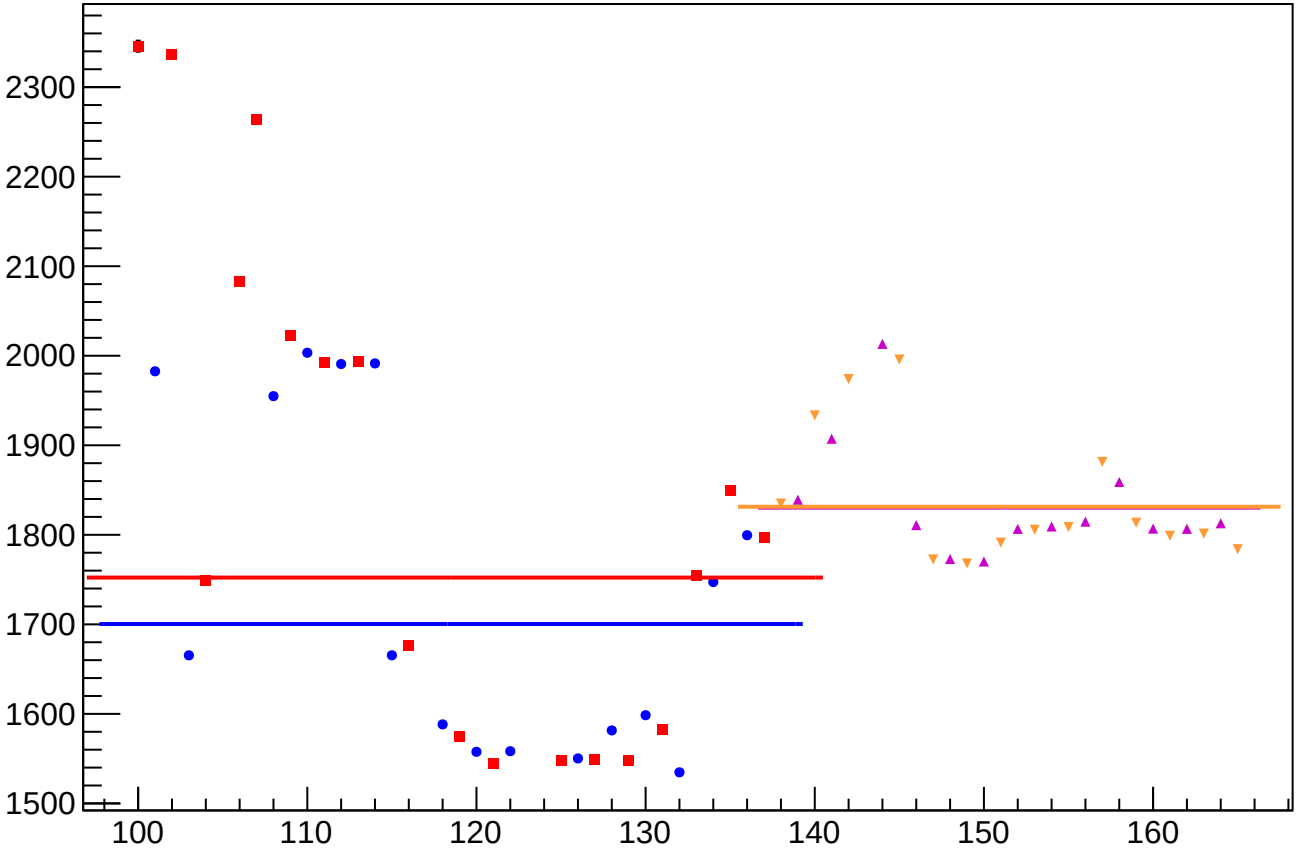
Left In: -2538.771+/-552.983 χ^2/NDF:21.7/12

+ sign 1593.930+/-417.189 χ^2/NDF: 29.8/29

All: -238.275+/-297.427 χ^2/NDF: 109.5/60

- sign -2132.117+/-424.148 χ^2/NDF: 40.4/30

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1831.336+/-0.391 χ^2/NDF:28895.2/13

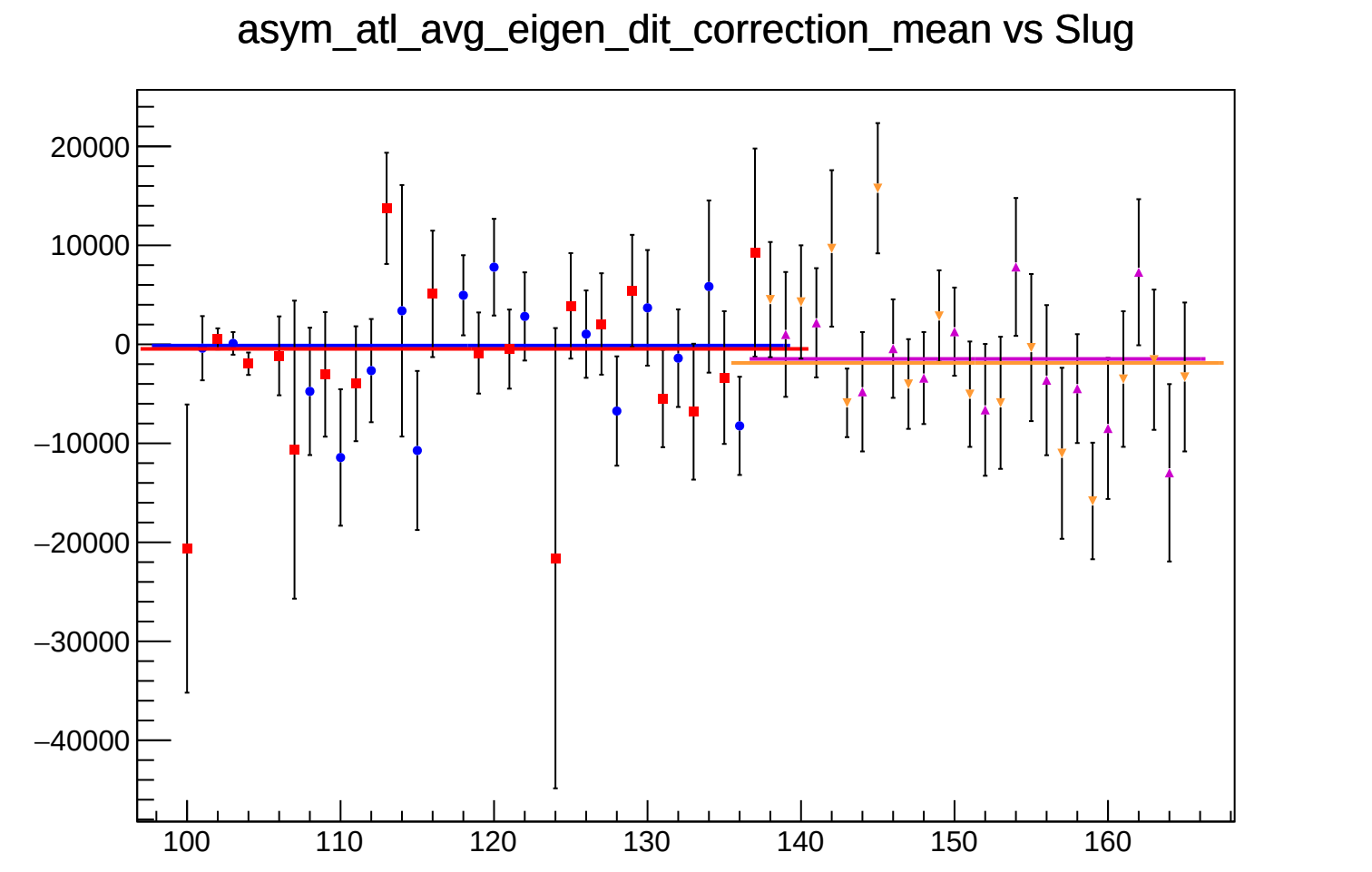
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1830.368+/-0.391 χ^2/NDF:23573.5/12

+ sign 1775.055+/-0.295 χ^2/NDF: 212624.2/29

All: 1786.406+/-0.210 χ^2/NDF: 503638.8/60

- sign 1798.117+/-0.300 χ^2/NDF: 288006.3/30



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1874.818+/-1481.965 χ^2/NDF:21.9/14

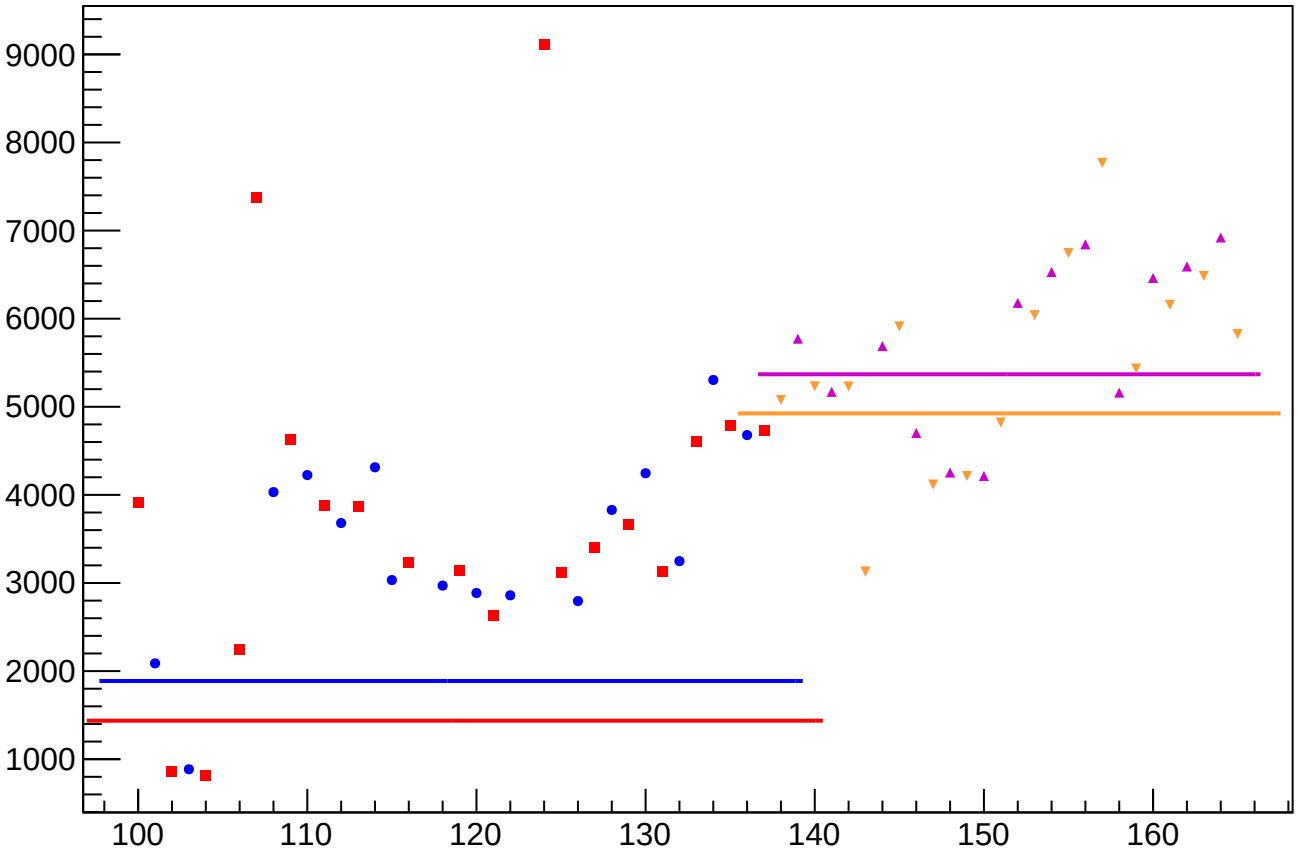
Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -1471.949+/-1651.015 χ^2/NDF:8.3/12

+ sign -572.023+/-748.753 χ^2/NDF: 38.0/30

All: -591.946+/-481.203 χ^2/NDF: 65.1/62

- sign -605.965+/-628.087 χ^2/NDF: 27.1/31



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4924.599+/-1.048 χ^2/NDF:1301993.4/14

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

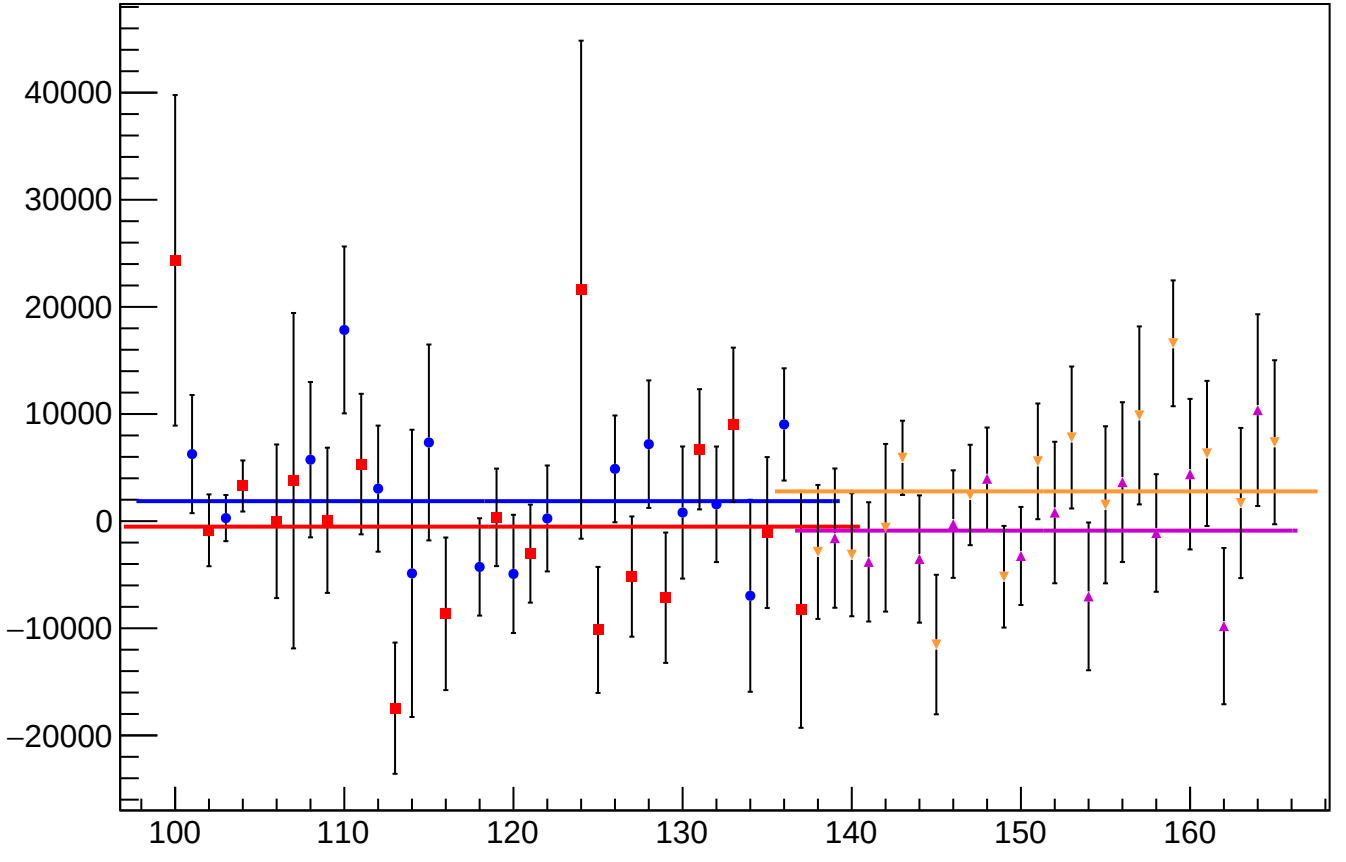
Left In: 5369.119+/-1.167 χ^2/NDF:627966.9/12

+ sign 2663.142+/-0.529 χ^2/NDF: 11981360.8/30

All: 2277.506+/-0.340 χ^2/NDF: 29179522.6/6

- sign 2006.150+/-0.444 χ^2/NDF: 16294323.9/31

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2778.694+/-1495.114 χ^2/NDF:18.3/14

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

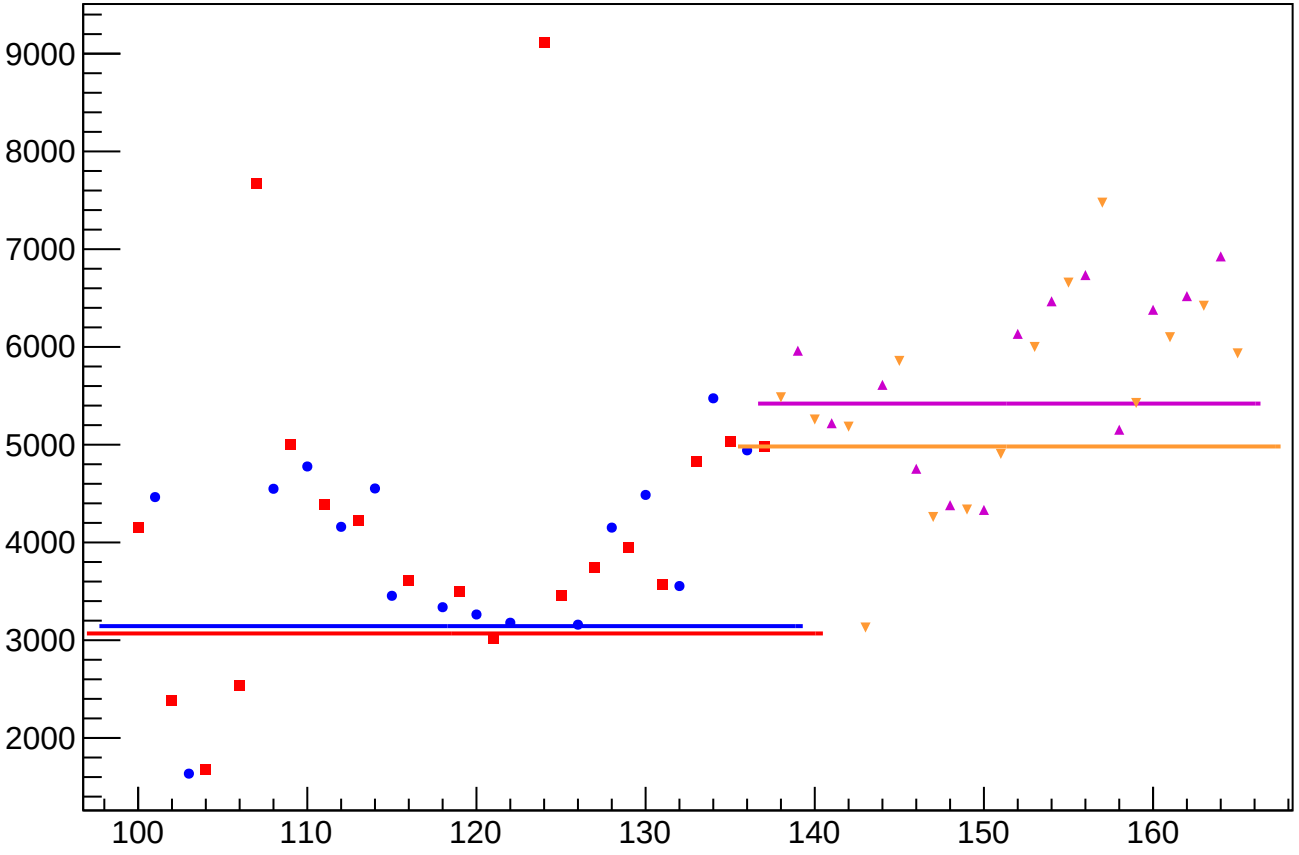
Left In: -882.917+/-1661.962 χ^2/NDF:6.7/12

+ sign 2245.099+/-963.121 χ^2/NDF: 32.3/30

All: 846.466+/-691.902 χ^2/NDF: 68.1/62

- sign -645.189+/-994.633 χ^2/NDF: 31.4/31

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4981.801+/-1.057 χ^2/NDF:1224433.5/14

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

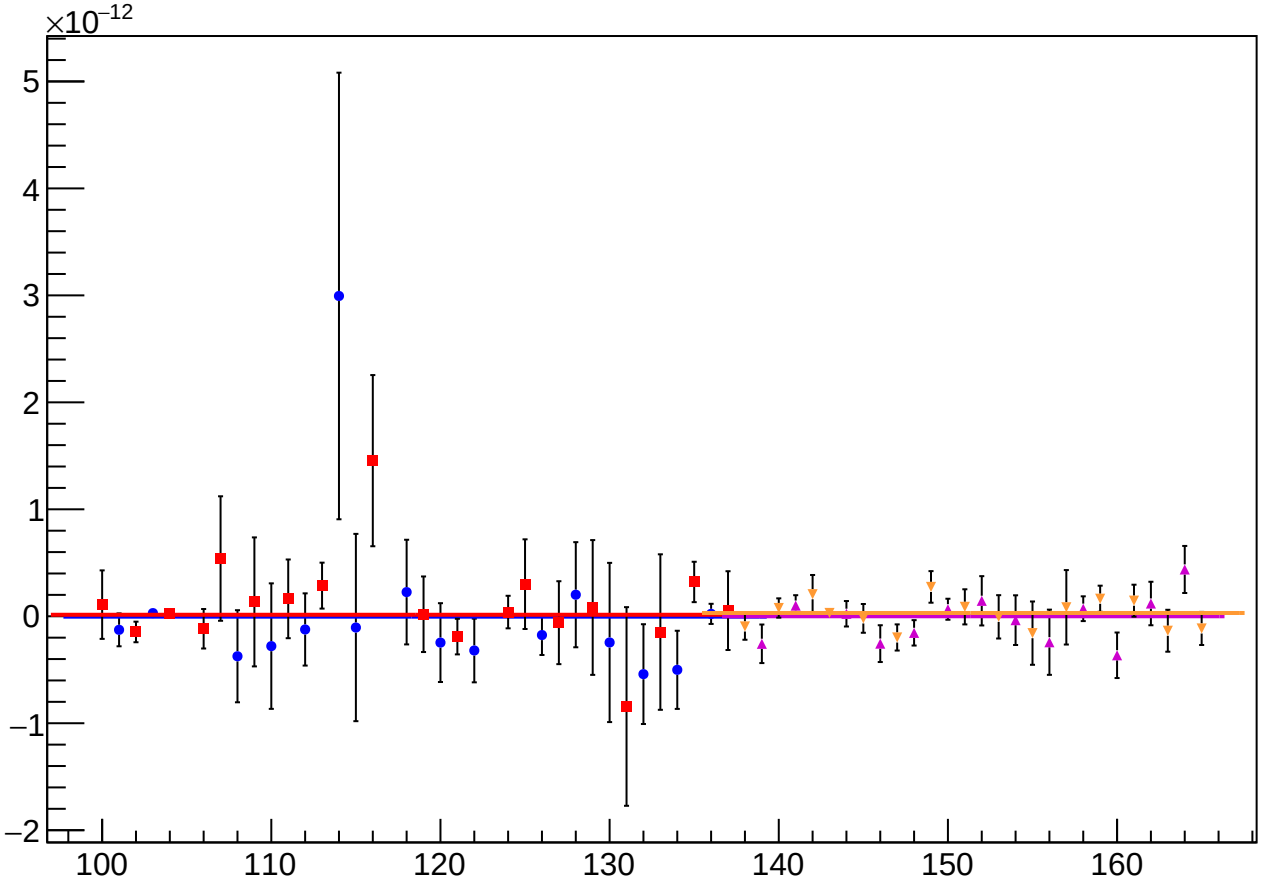
Left In: 5420.520+/-1.175 χ^2/NDF:536760.3/12

+ sign 3906.704+/-0.681 χ^2/NDF: 4875221.0/30

All: 3900.685+/-0.487 χ^2/NDF: 9892199.1/62

- sign 3894.395+/-0.696 χ^2/NDF: 5016818.4/31

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:12.6/14

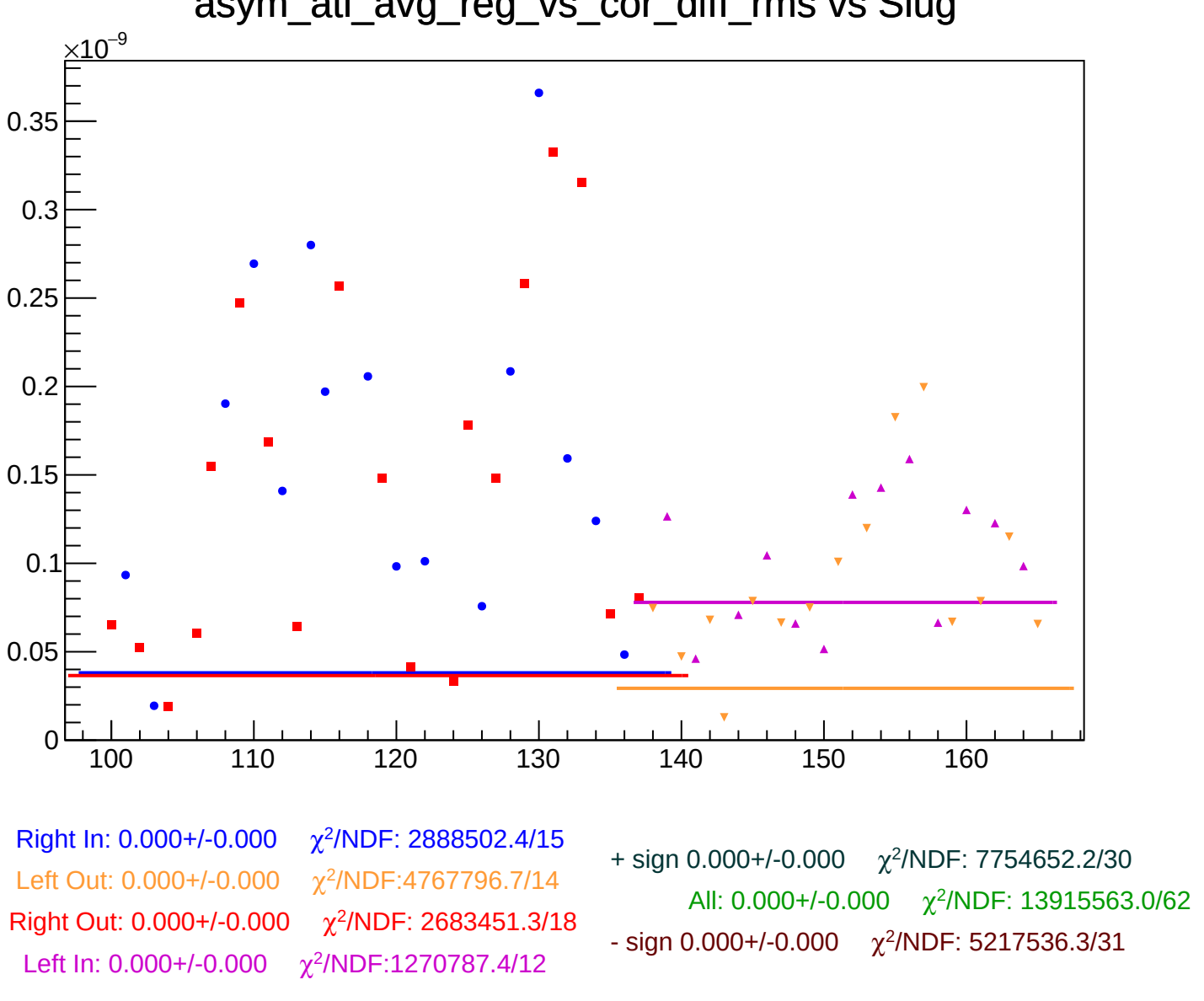
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/12

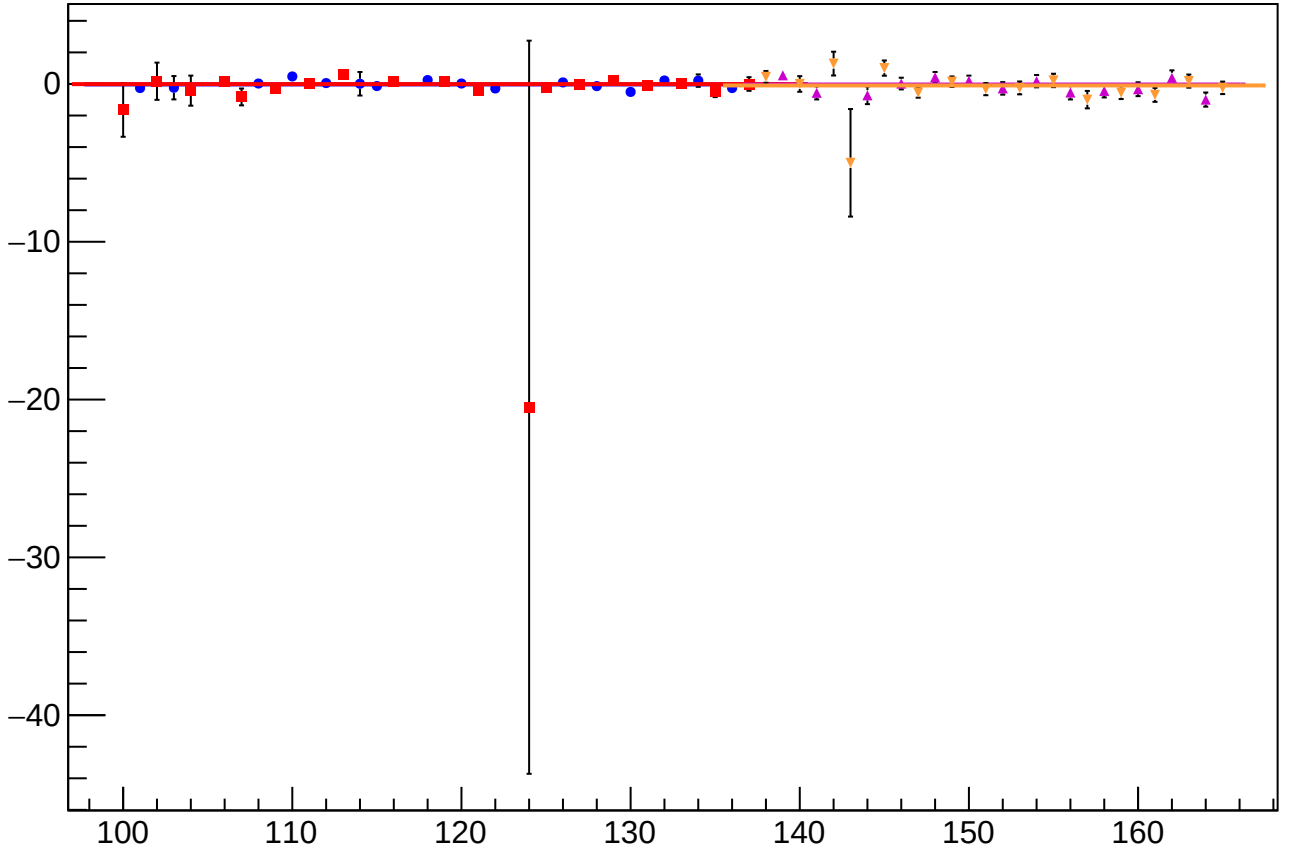
+ sign 0.000+/-0.000 χ^2/NDF: 24.0/30

All: 0.000+/-0.000 χ^2/NDF: 55.3/62

- sign 0.000+/-0.000 χ^2/NDF: 31.1/31


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:4767796.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:1270787.4/12
+ sign 0.000+/-0.000 χ²/NDF: 7754652.2/30
All: 0.000+/-0.000 χ²/NDF: 13915563.0/62
- sign 0.000+/-0.000 χ²/NDF: 5217536.3/31

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

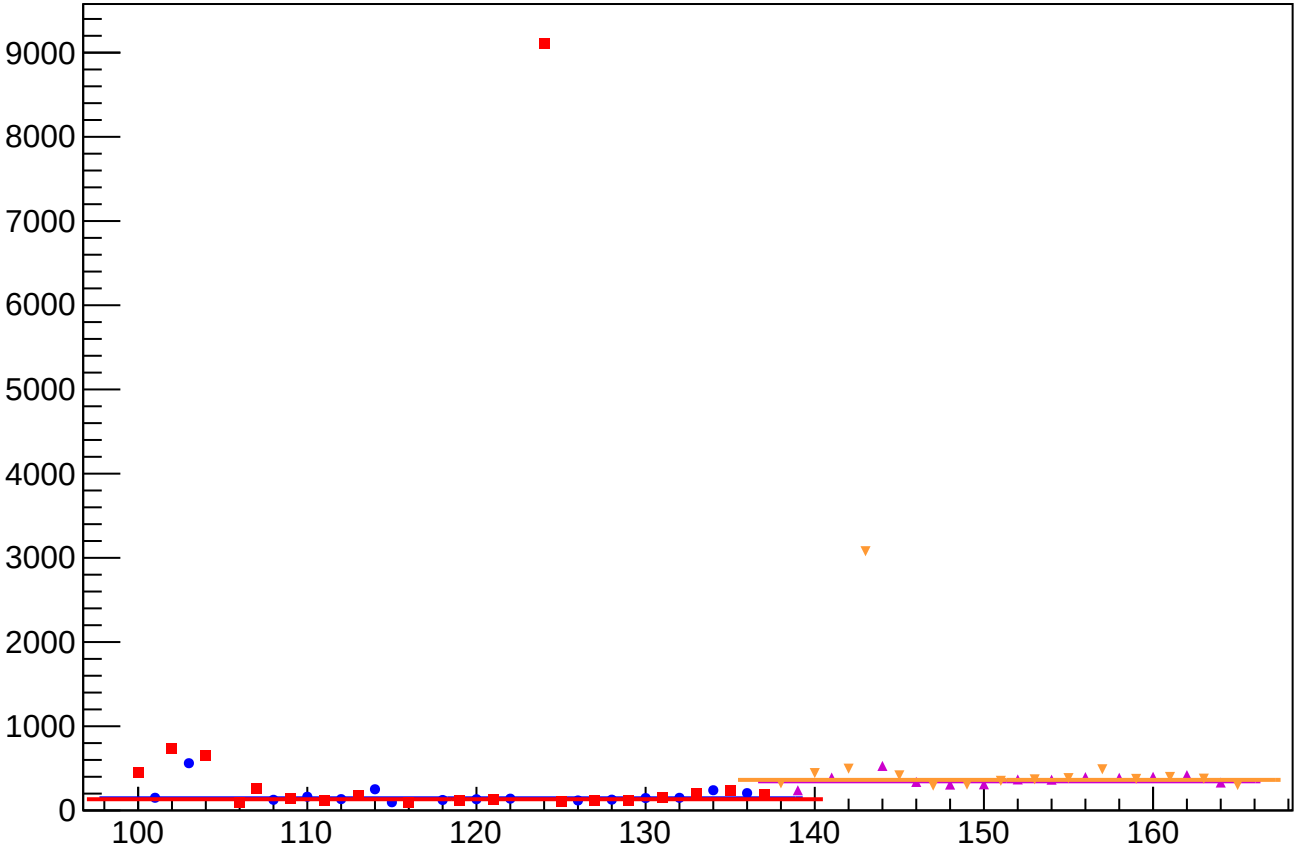
Left In: -0.037+/-0.108 χ^2/NDF:18.7/12

+ sign -0.043+/-0.051 χ^2/NDF: 40.1/30

All: -0.029+/-0.036 χ^2/NDF: 80.7/62

- sign -0.016+/-0.050 χ^2/NDF: 40.5/31

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 363.105+/-0.079 χ^2/NDF:1755342.6/14

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

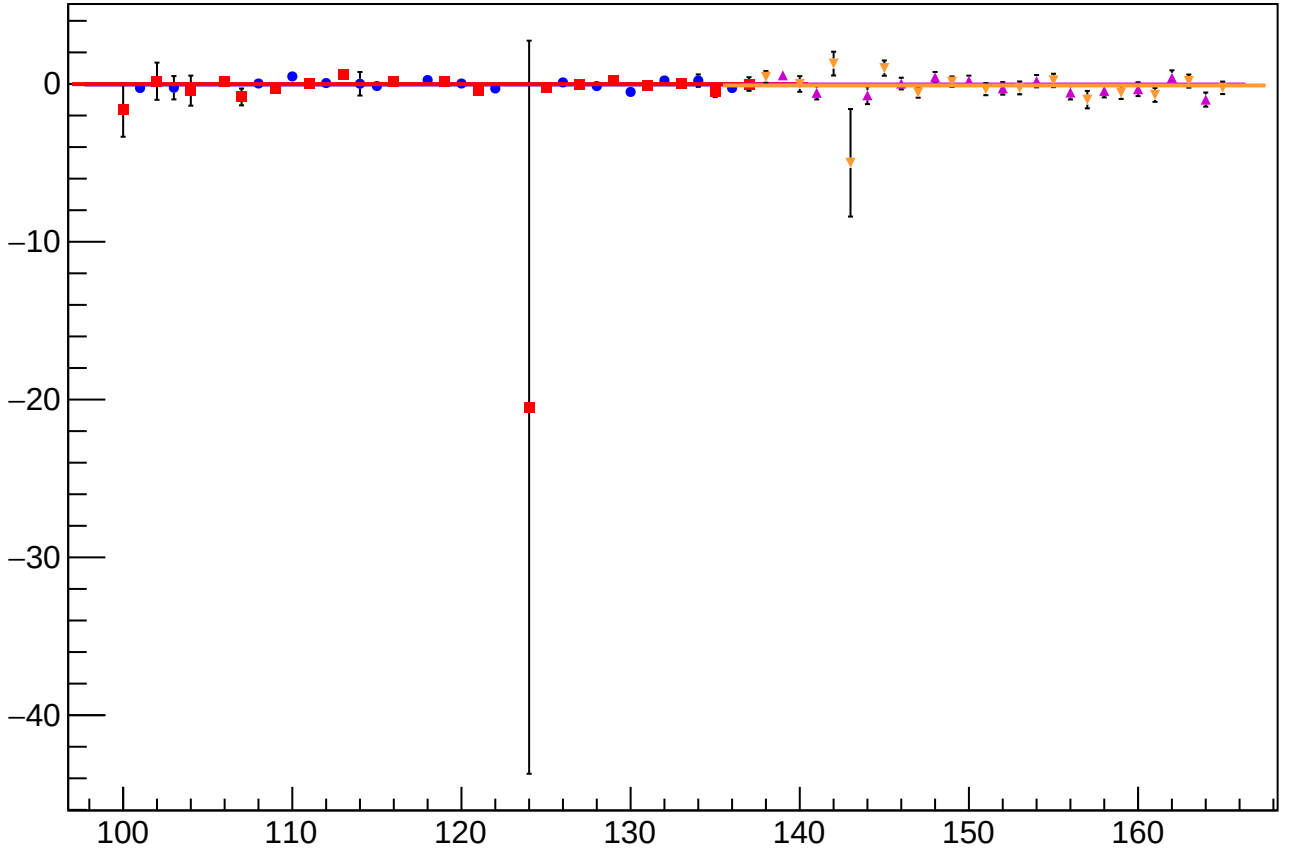
Left In: 346.087+/-0.076 χ^2/NDF:727620.4/12

+ sign 190.696+/-0.036 χ^2/NDF: 8957199.6/30

All: 184.735+/-0.025 χ^2/NDF: 18064178.2/62

- sign 179.064+/-0.035 χ^2/NDF: 9054345.4/31

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: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

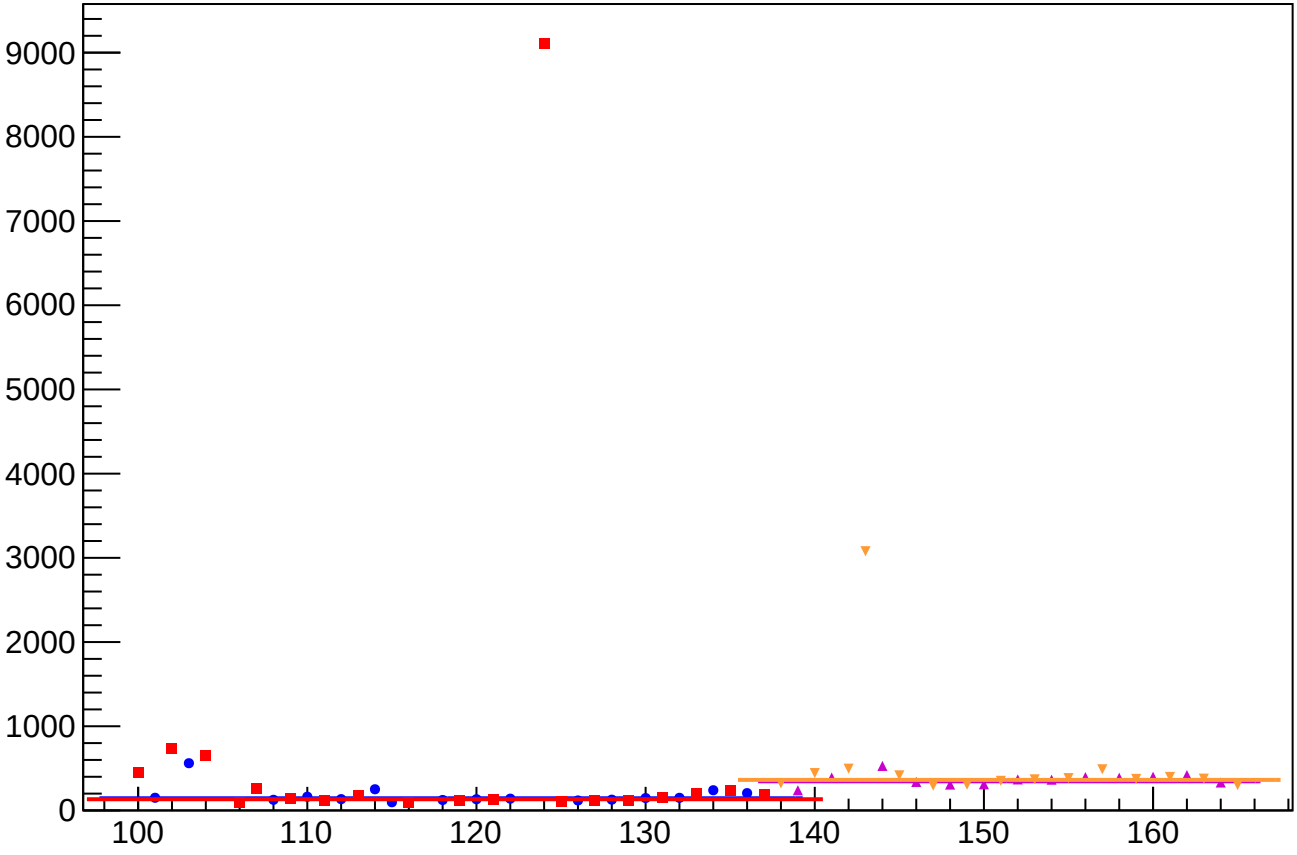
Left In: -0.037+/-0.108 χ^2/NDF:18.7/12

+ sign -0.043+/-0.051 χ^2/NDF: 40.1/30

All: -0.029+/-0.036 χ^2/NDF: 80.7/62

- sign -0.016+/-0.050 χ^2/NDF: 40.5/31

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: 363.105+/-0.079 χ^2/NDF:1755342.6/14

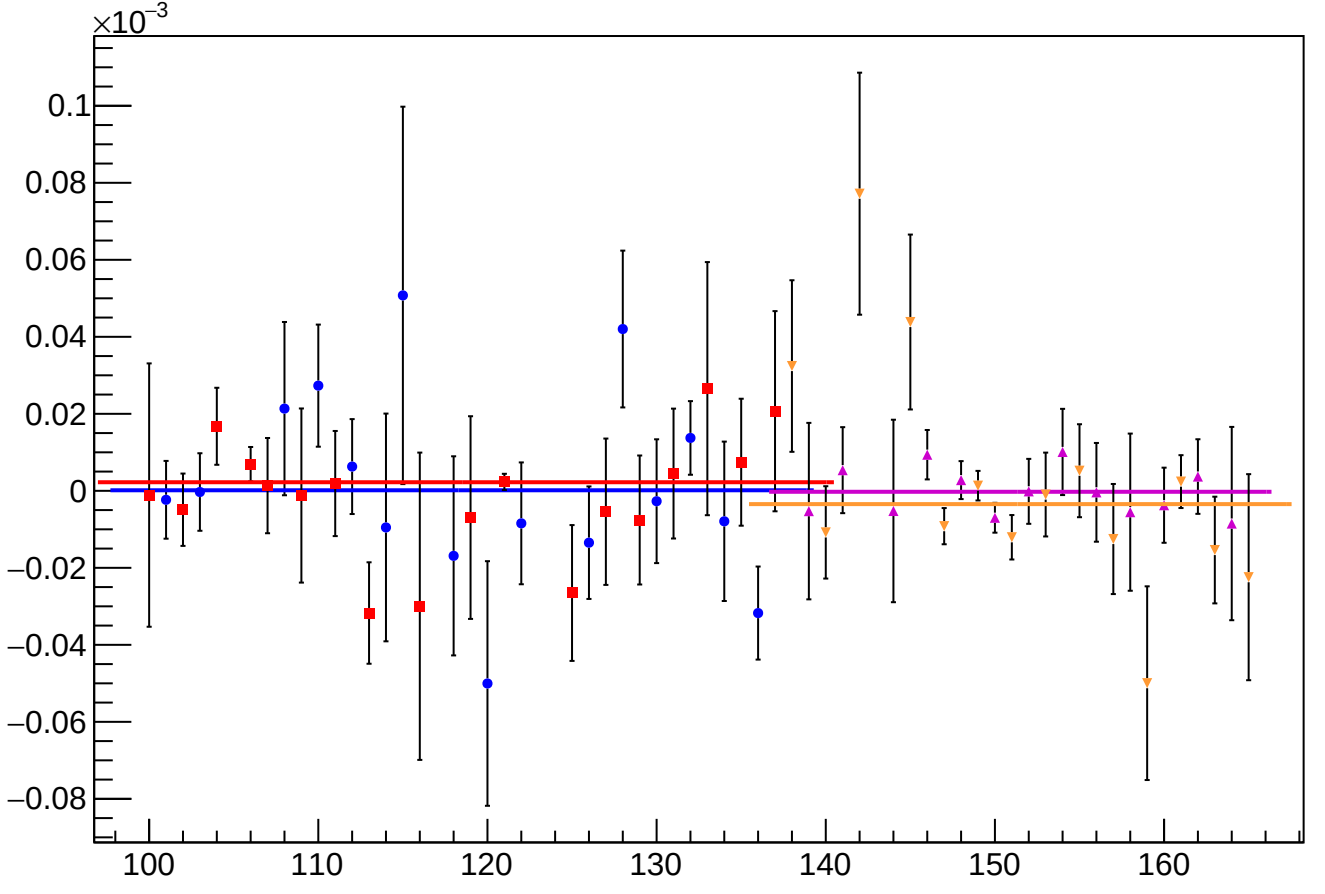
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 346.087+/-0.076 χ^2/NDF:727620.4/12

+ sign 190.696+/-0.036 χ^2/NDF: 8957199.6/30

All: 184.735+/-0.025 χ^2/NDF: 18064178.2/62

- sign 179.064+/-0.035 χ^2/NDF: 9054345.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.5/13

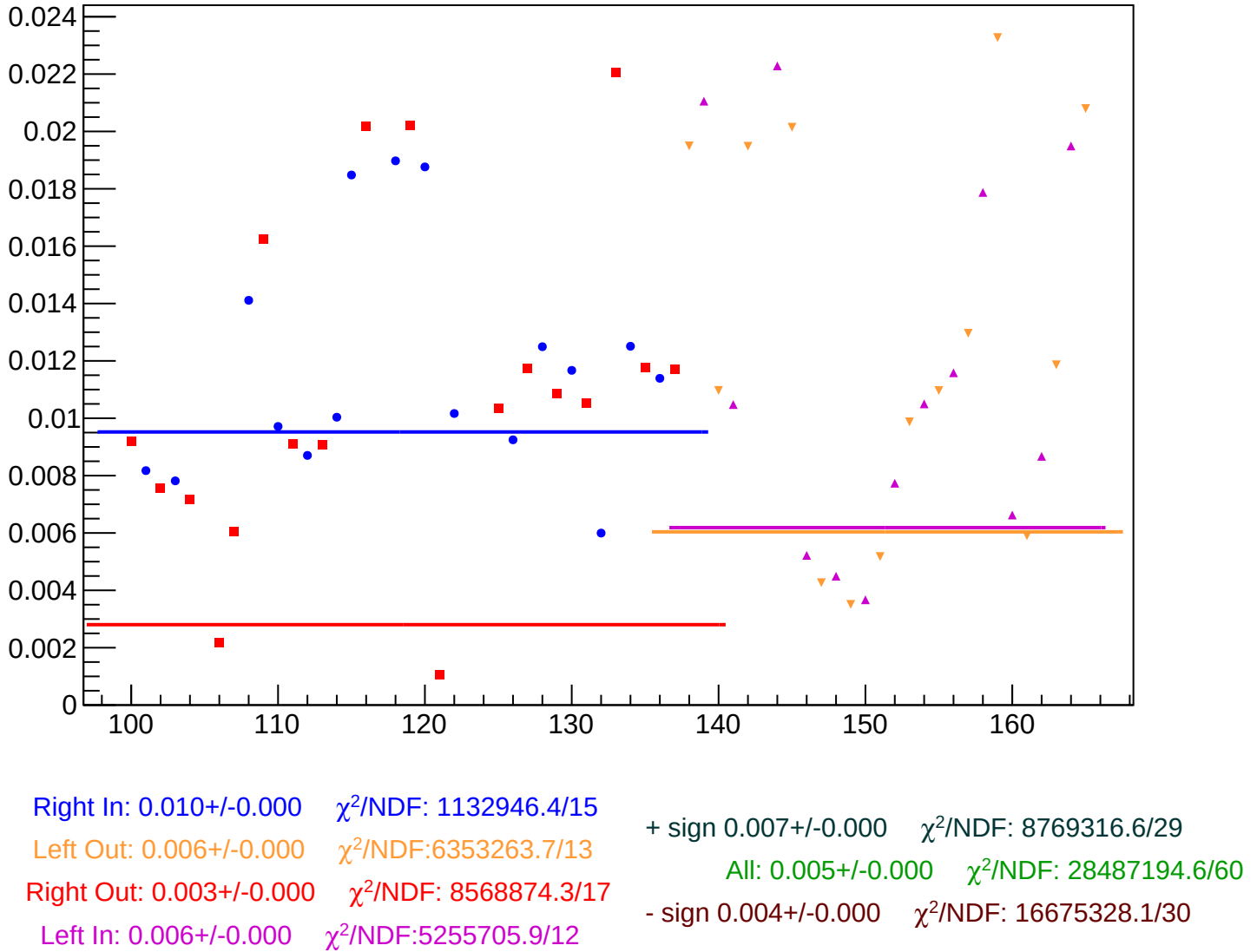
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: -0.000+/-0.000 χ^2/NDF:7.3/12

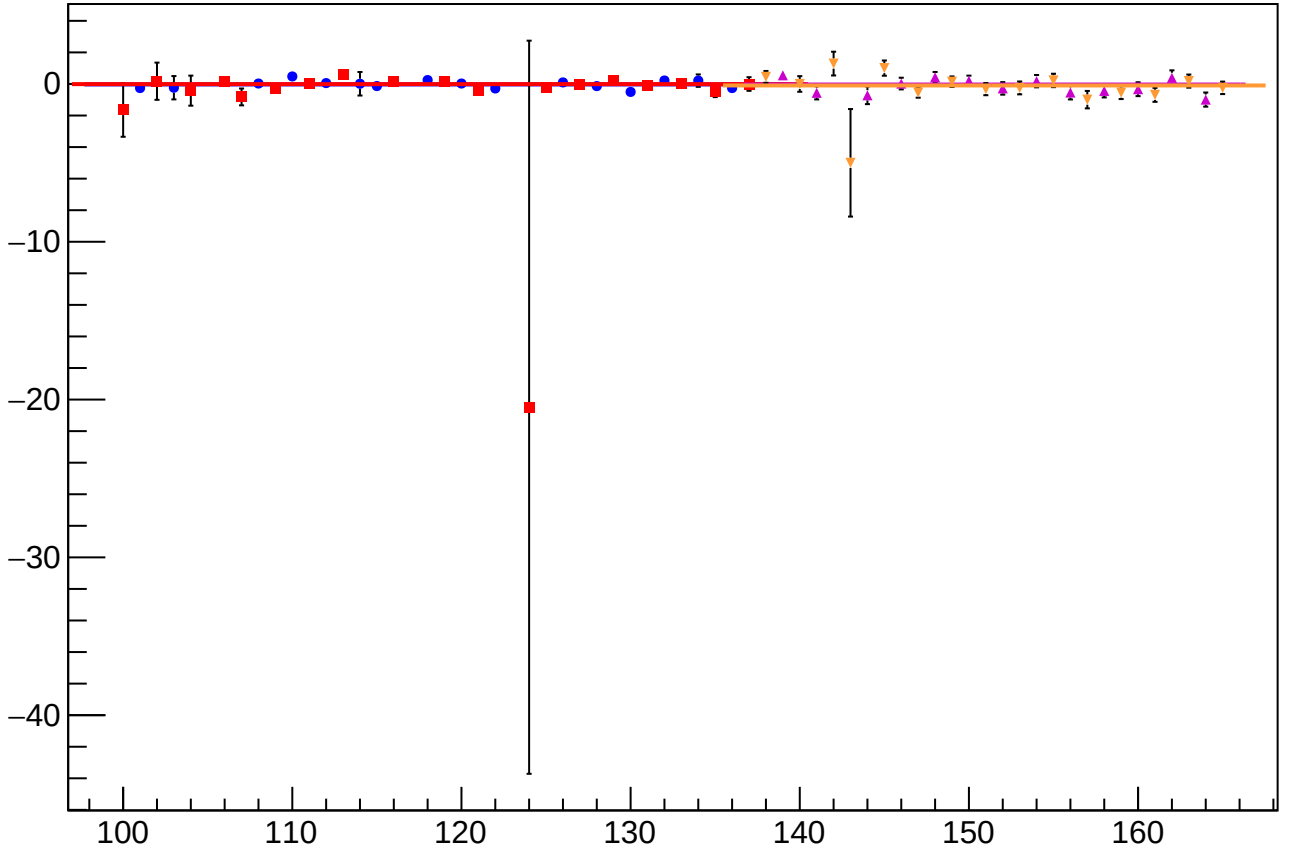
+ sign -0.000+/-0.000 χ^2/NDF: 49.0/29

All: 0.000+/-0.000 χ^2/NDF: 75.3/60

- sign 0.000+/-0.000 χ^2/NDF: 23.7/30


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
Right In: 0.010+/-0.000 χ²/NDF: 1132946.4/15
Left Out: 0.006+/-0.000 χ²/NDF:6353263.7/13
Right Out: 0.003+/-0.000 χ²/NDF: 8568874.3/17
Left In: 0.006+/-0.000 χ²/NDF:5255705.9/12
+ sign 0.007+/-0.000 χ²/NDF: 8769316.6/29
All: 0.005+/-0.000 χ²/NDF: 28487194.6/60
- sign 0.004+/-0.000 χ²/NDF: 16675328.1/30

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

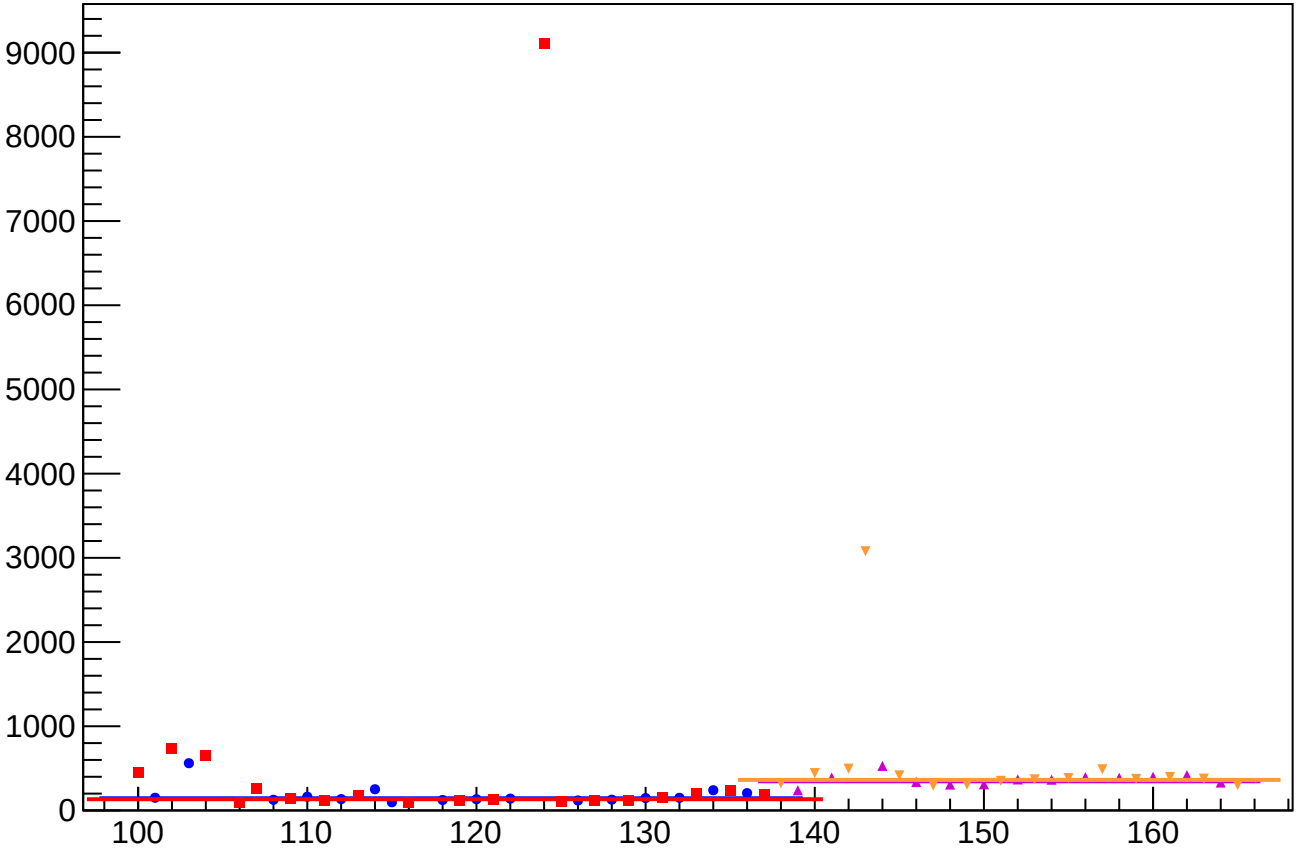
Left In: -0.037+/-0.108 χ^2/NDF:18.7/12

+ sign -0.043+/-0.051 χ^2/NDF: 40.1/30

All: -0.029+/-0.036 χ^2/NDF: 80.7/62

- sign -0.016+/-0.050 χ^2/NDF: 40.5/31

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: 363.110+/-0.079 χ^2/NDF:1755365.4/14

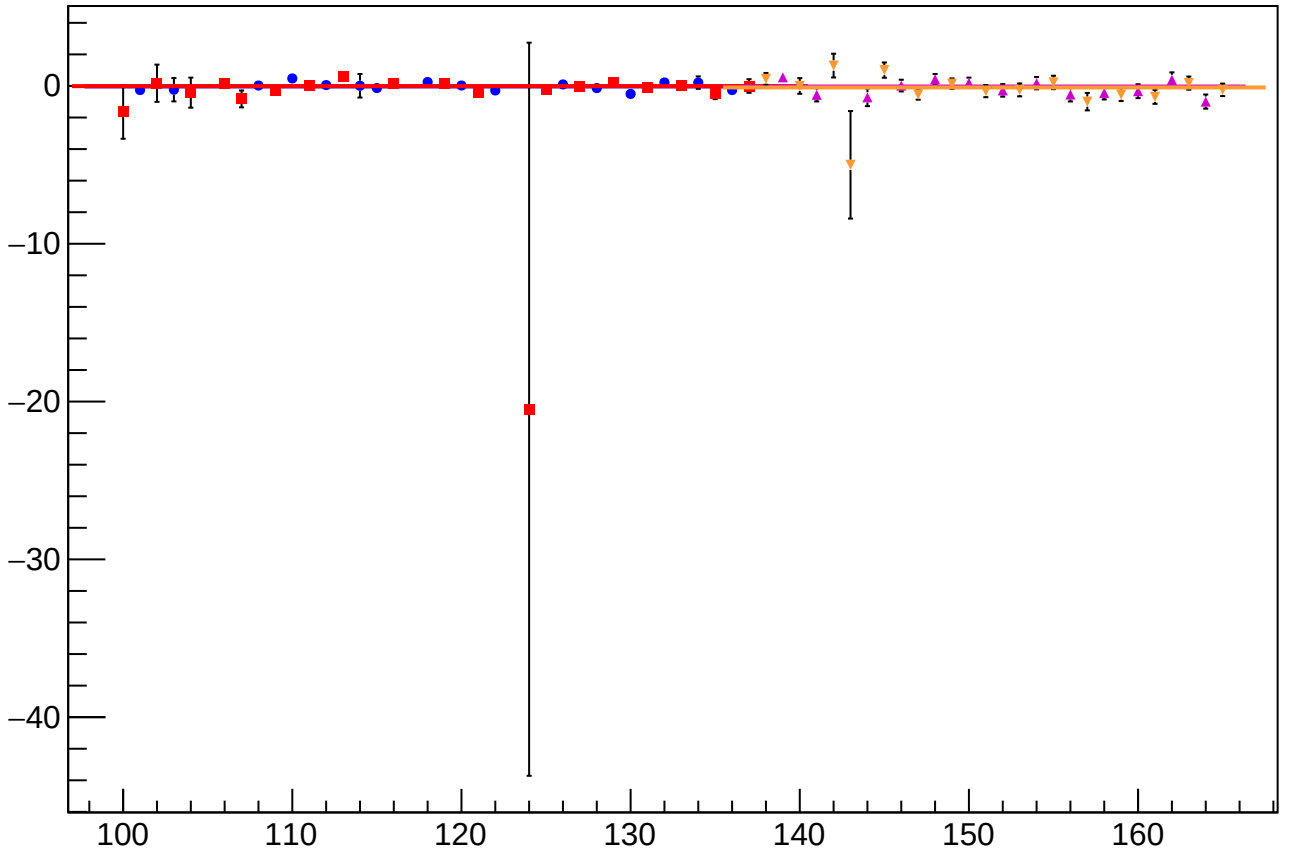
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.092+/-0.076 χ^2/NDF:727614.8/12

+ sign 190.694+/-0.036 χ^2/NDF: 8957504.2/30

All: 184.733+/-0.025 χ^2/NDF: 18064646.0/62

- sign 179.064+/-0.035 χ^2/NDF: 9054515.9/31



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.095+/-0.111 χ^2/NDF:22.5/14

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

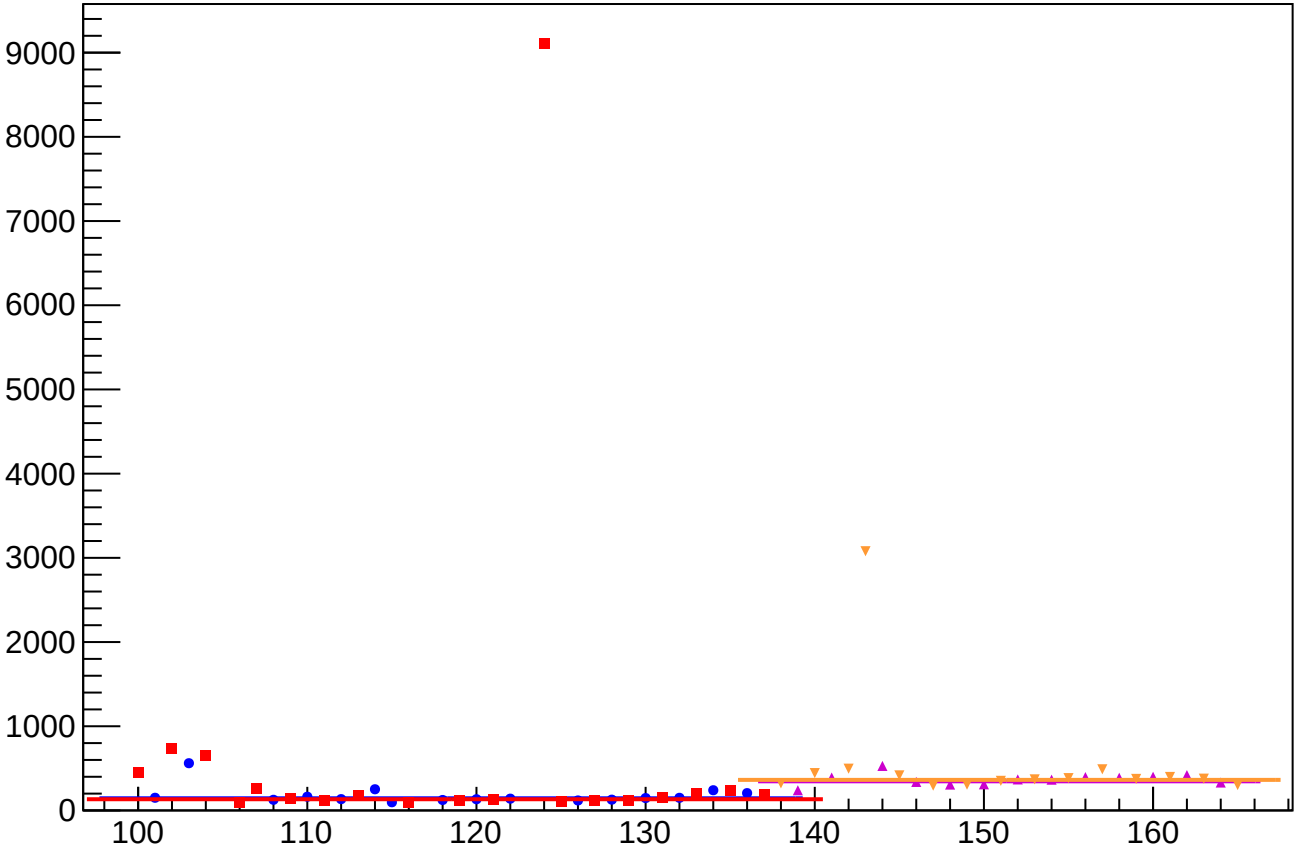
Left In: -0.037+/-0.108 χ^2/NDF:18.7/12

+ sign -0.043+/-0.051 χ^2/NDF: 40.1/30

All: -0.029+/-0.036 χ^2/NDF: 80.7/62

- sign -0.016+/-0.050 χ^2/NDF: 40.5/31

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: 363.110+/-0.079 χ^2/NDF:1755365.4/14

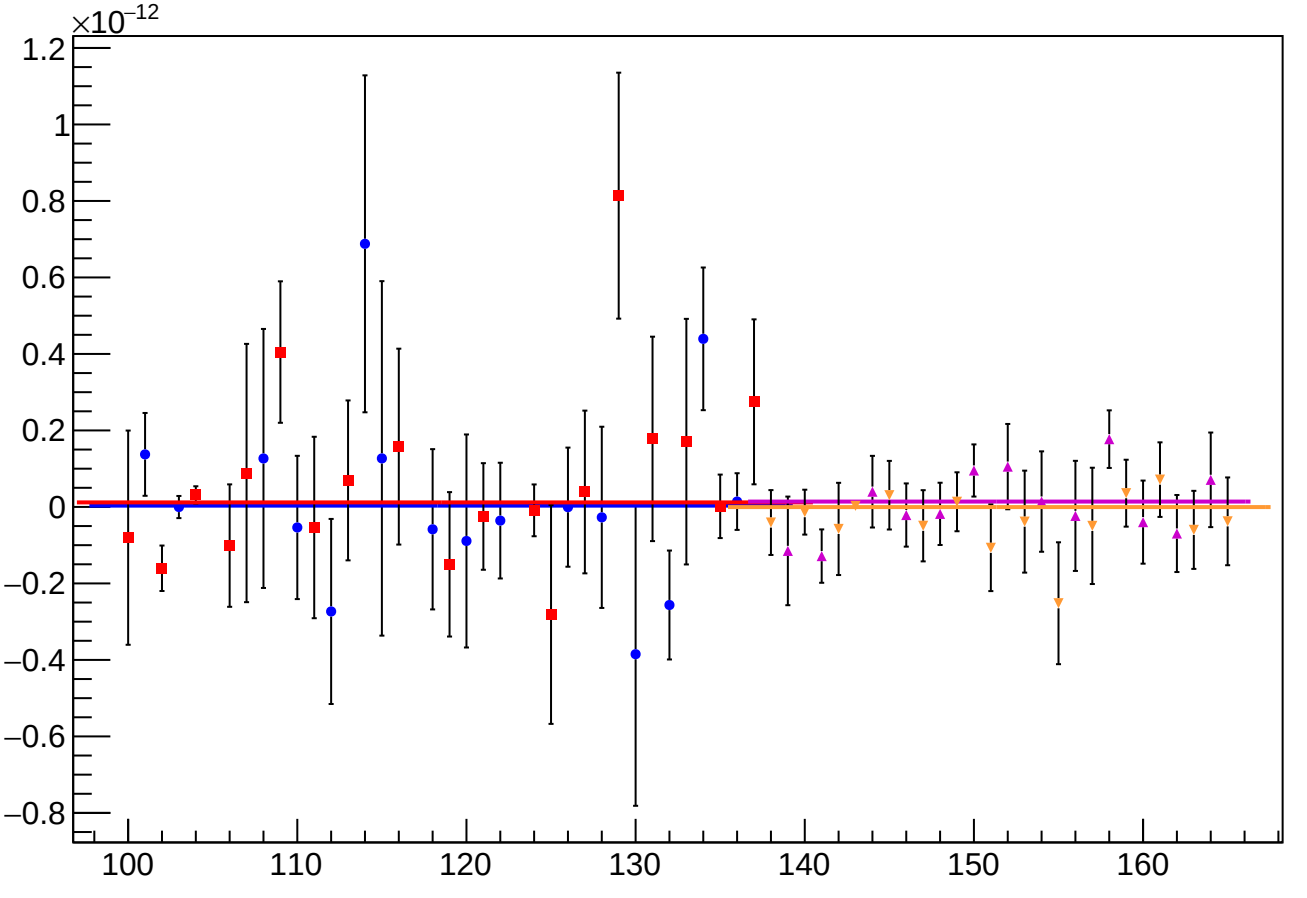
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.092+/-0.076 χ^2/NDF:727614.8/12

+ sign 190.694+/-0.036 χ^2/NDF: 8957504.2/30

All: 184.733+/-0.025 χ^2/NDF: 18064646.0/62

- sign 179.064+/-0.035 χ^2/NDF: 9054515.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

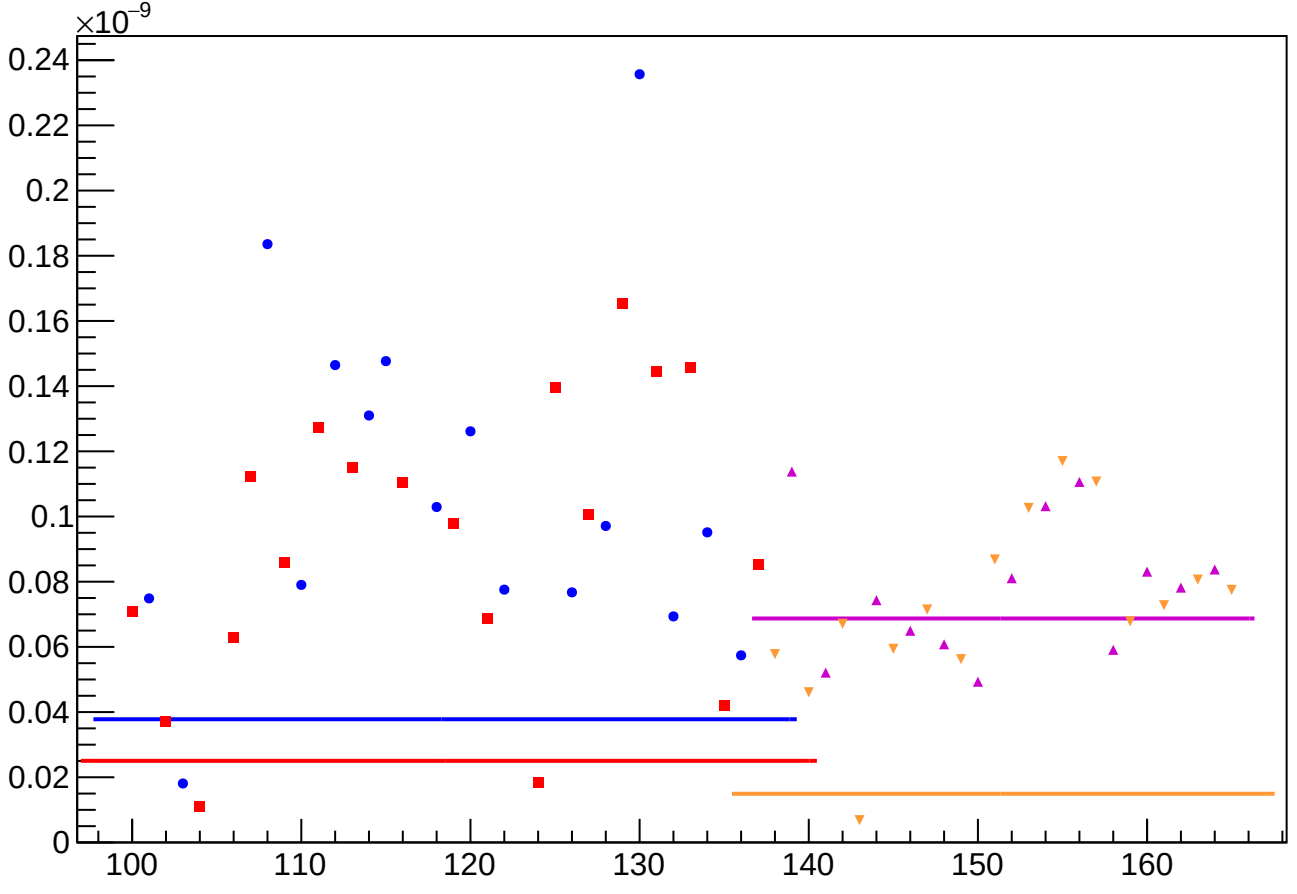
Left In: 0.000+/-0.000 χ^2/NDF:13.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 21.4/30

All: 0.000+/-0.000 χ^2/NDF: 60.4/62

- sign 0.000+/-0.000 χ^2/NDF: 38.5/31

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:10700793.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

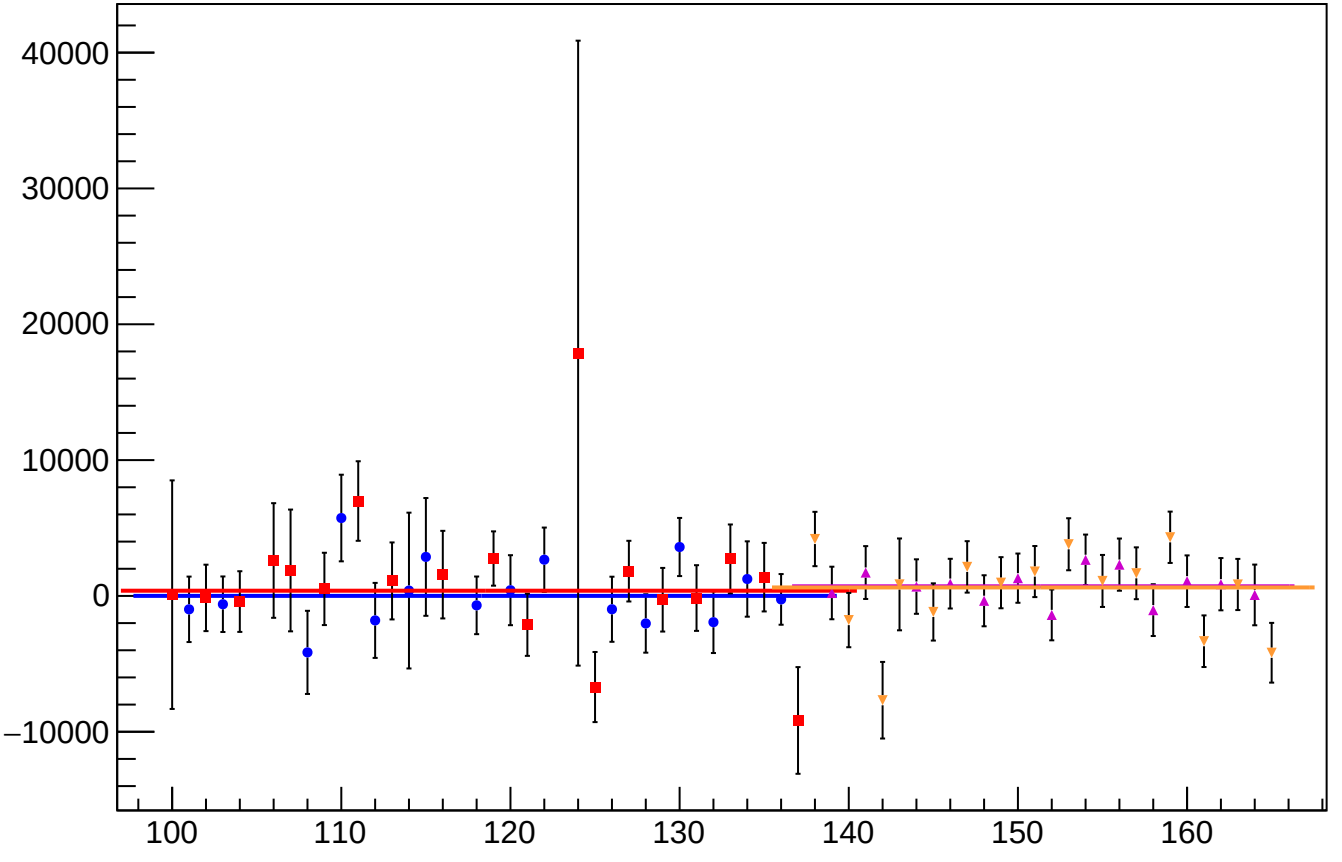
Left In: 0.000+/-0.000 χ^2/NDF:953861.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 16228546.8/30

All: 0.000+/-0.000 χ^2/NDF: 28811506.9/62

- sign 0.000+/-0.000 χ^2/NDF: 9419463.9/31

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 624.578+/-523.540 χ^2/NDF:31.2/14

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

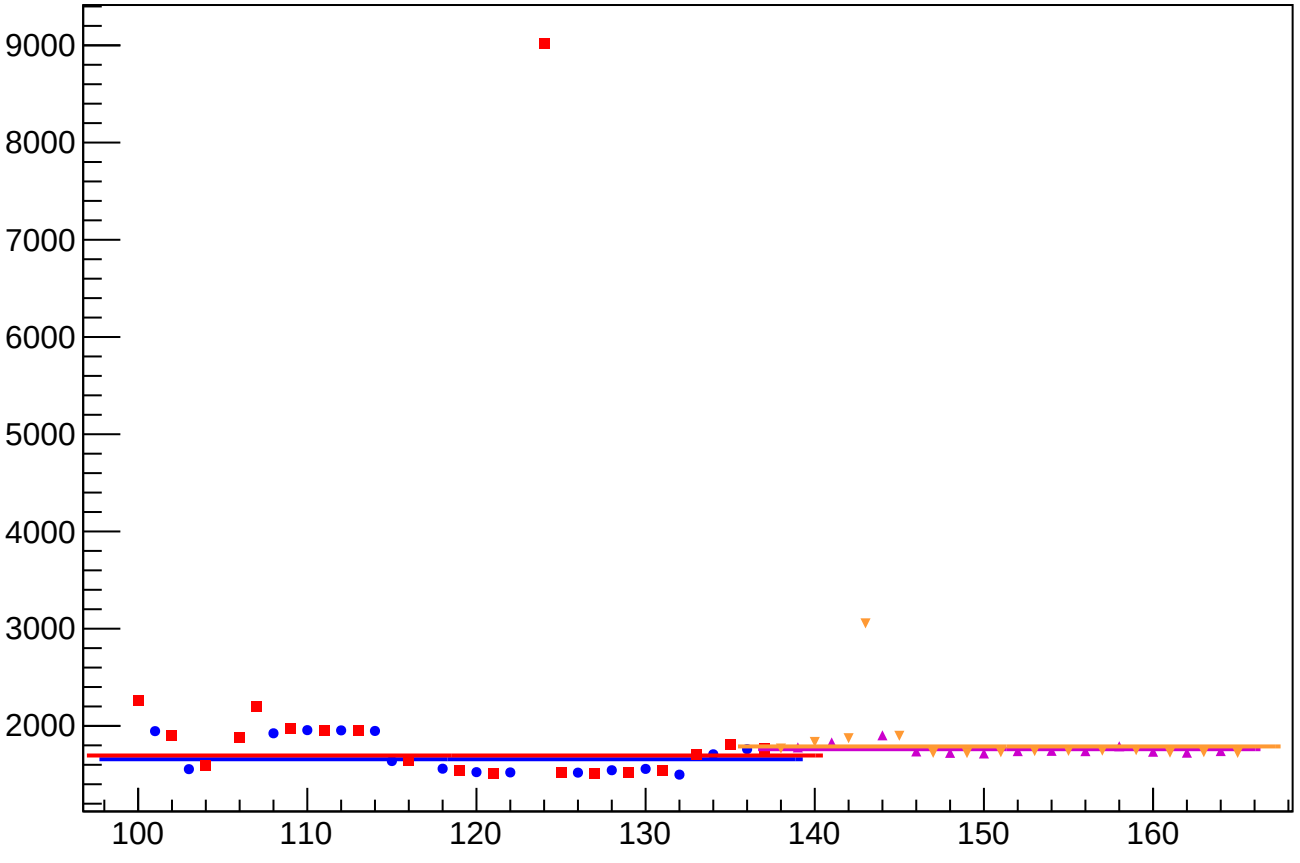
Left In: 709.751+/-531.742 χ^2/NDF:4.8/12

\+ sign 366.375+/-399.980 χ^2/NDF: 44.2/30

All: 469.017+/-285.392 χ^2/NDF: 73.3/62

\- sign 575.466+/-407.332 χ^2/NDF: 29.0/31

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1788.892+/-0.370 χ^2/NDF:306349.3/14

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

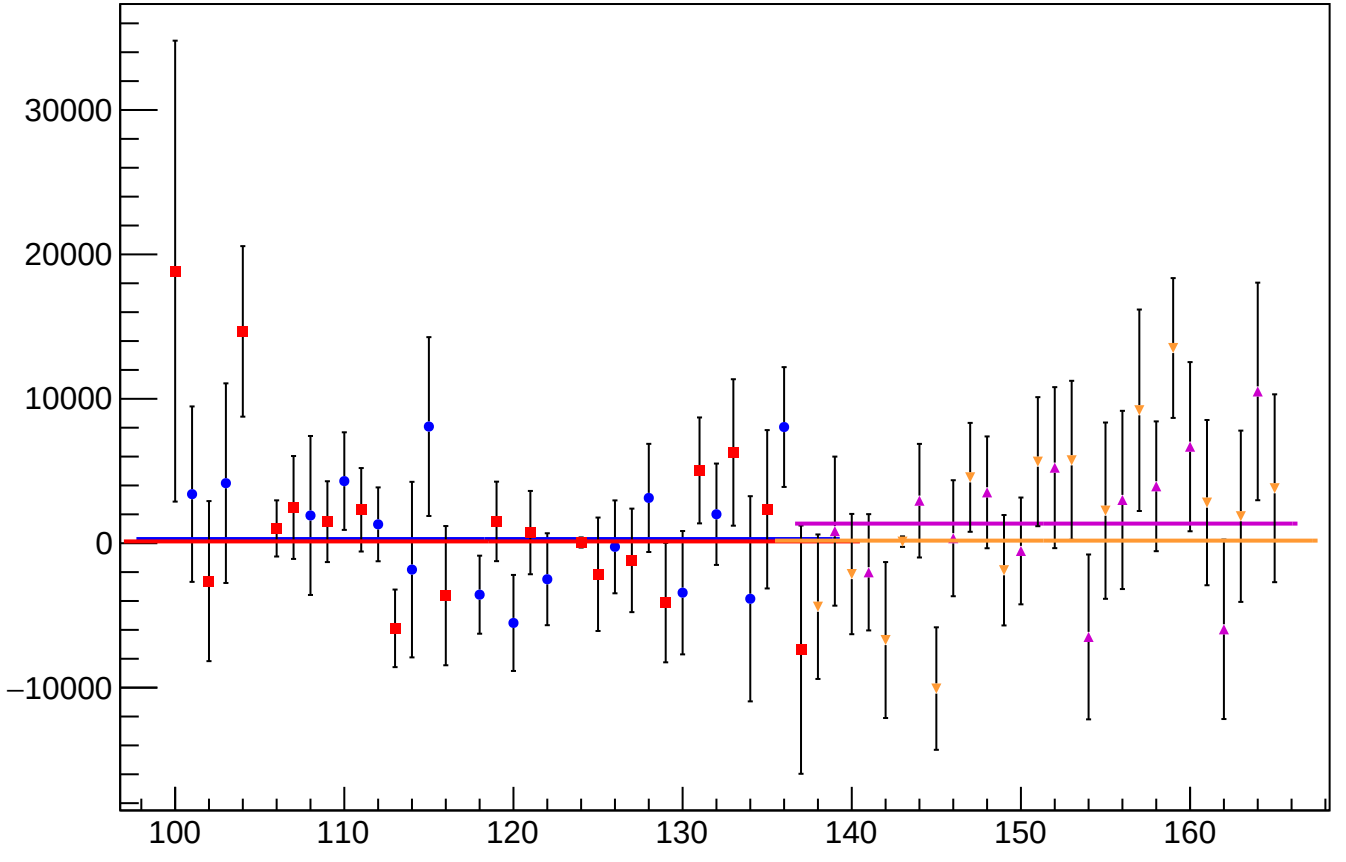
Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

+ sign 1734.032+/-0.283 χ^2/NDF: 503079.7/30

All: 1733.802+/-0.202 χ^2/NDF: 919138.7/62

- sign 1733.564+/-0.287 χ^2/NDF: 416057.7/31

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 180.593+/-350.840 χ^2/NDF:22.8/14

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

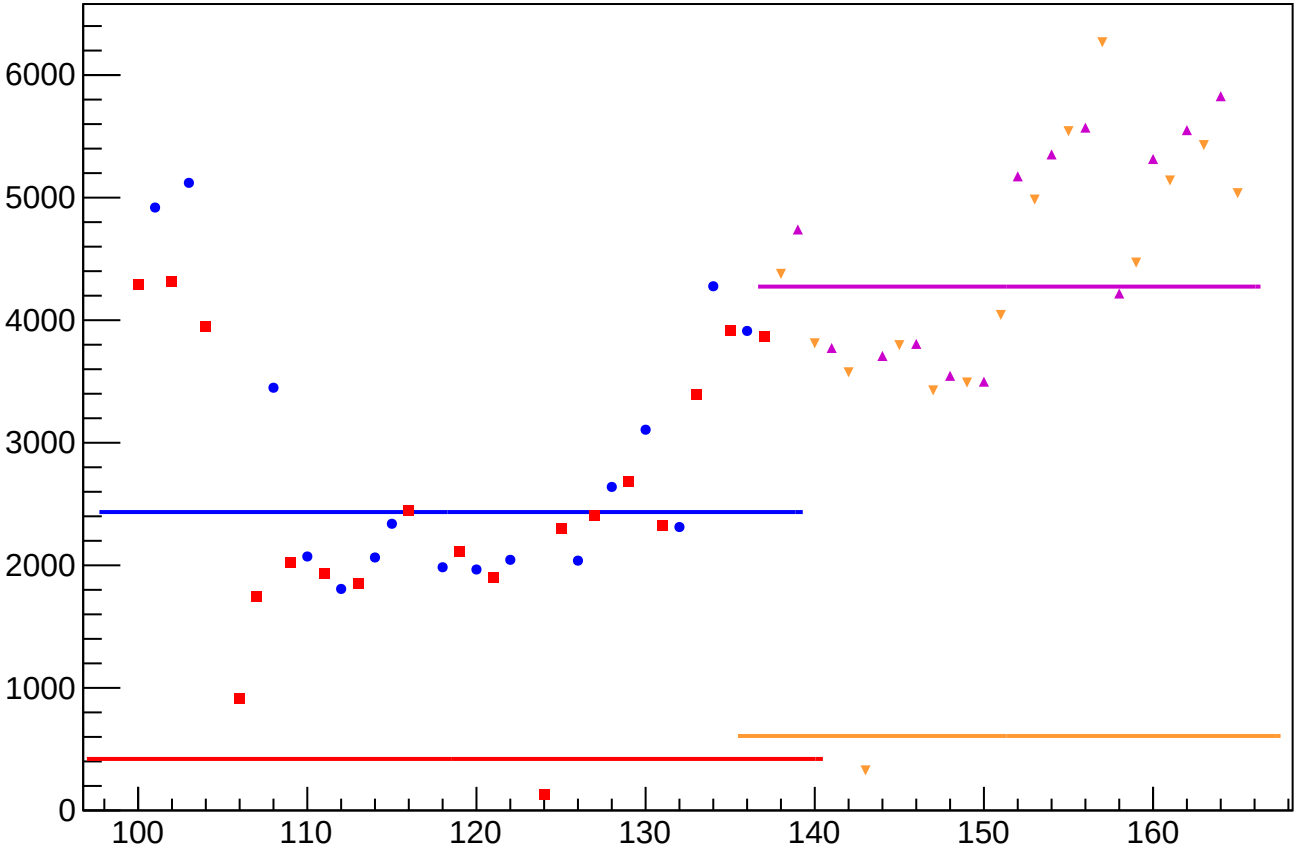
Left In: 1358.912+/-1316.429 χ^2/NDF:8.0/12

+ sign 193.372+/-329.567 χ^2/NDF: 38.0/30

All: 194.701+/-227.468 χ^2/NDF: 67.7/62

- sign 195.911+/-314.350 χ^2/NDF: 29.6/31

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 607.706+/-0.248 χ^2/NDF:17347204.2/14

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

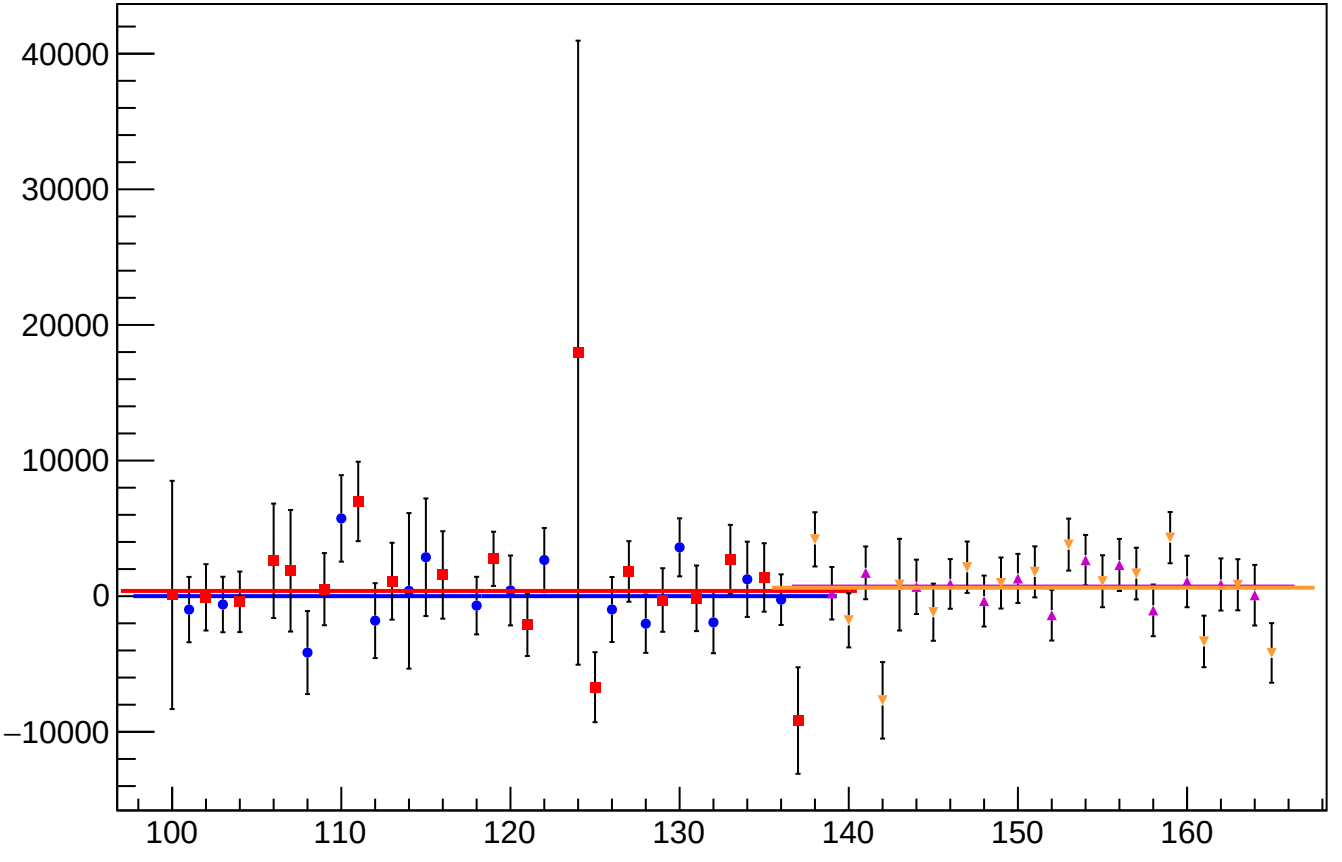
Left In: 4274.085+/-0.931 χ^2/NDF:719247.8/12

+ sign 822.533+/-0.233 χ^2/NDF: 25181862.9/30

All: 726.975+/-0.161 χ^2/NDF: 53448893.6/62

- sign 640.038+/-0.222 χ^2/NDF: 27945915.4/31

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 624.470+/-523.540 χ^2/NDF:31.2/14

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

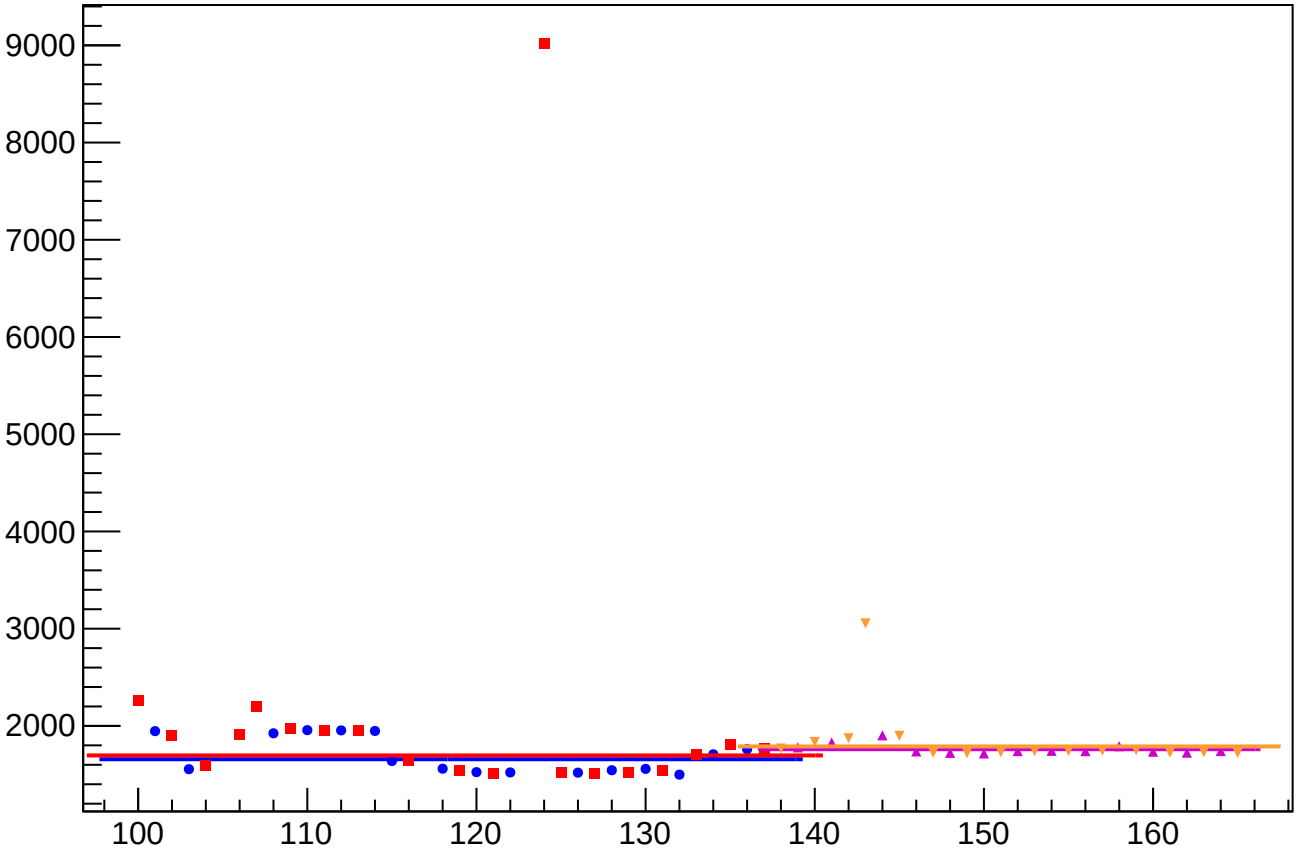
Left In: 709.762+/-531.742 χ^2/NDF:4.8/12

+ sign 366.280+/-399.980 χ^2/NDF: 44.2/30

All: 469.843+/-285.393 χ^2/NDF: 73.3/62

- sign 577.249+/-407.333 χ^2/NDF: 29.0/31

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1788.892+/-0.370 χ^2/NDF:306349.3/14

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

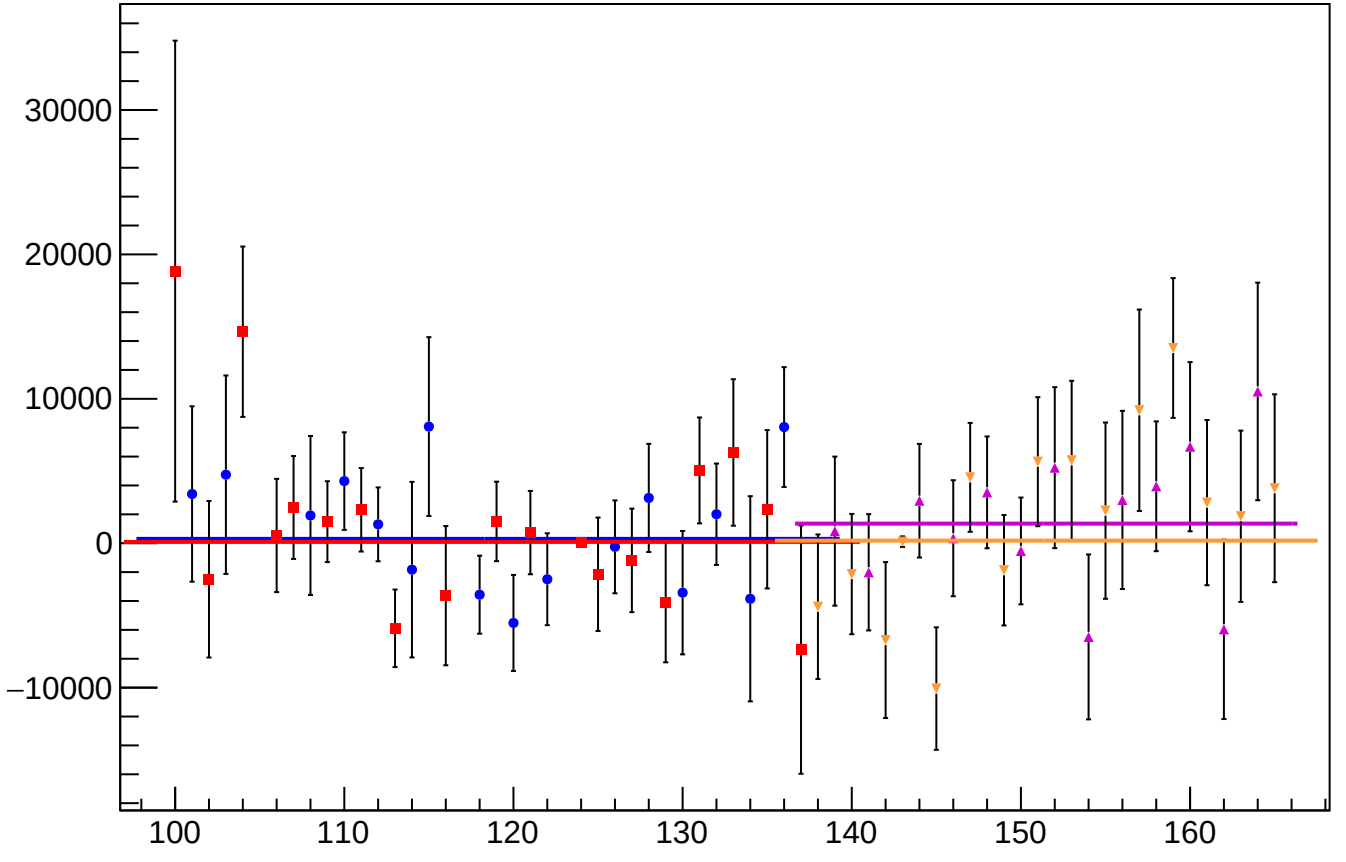
Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

+ sign 1734.032+/-0.283 χ^2/NDF: 503079.8/30

All: 1733.972+/-0.202 χ^2/NDF: 920588.4/62

- sign 1733.909+/-0.288 χ^2/NDF: 417508.5/31

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 181.022+/-350.814 χ^2/NDF:22.8/14

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

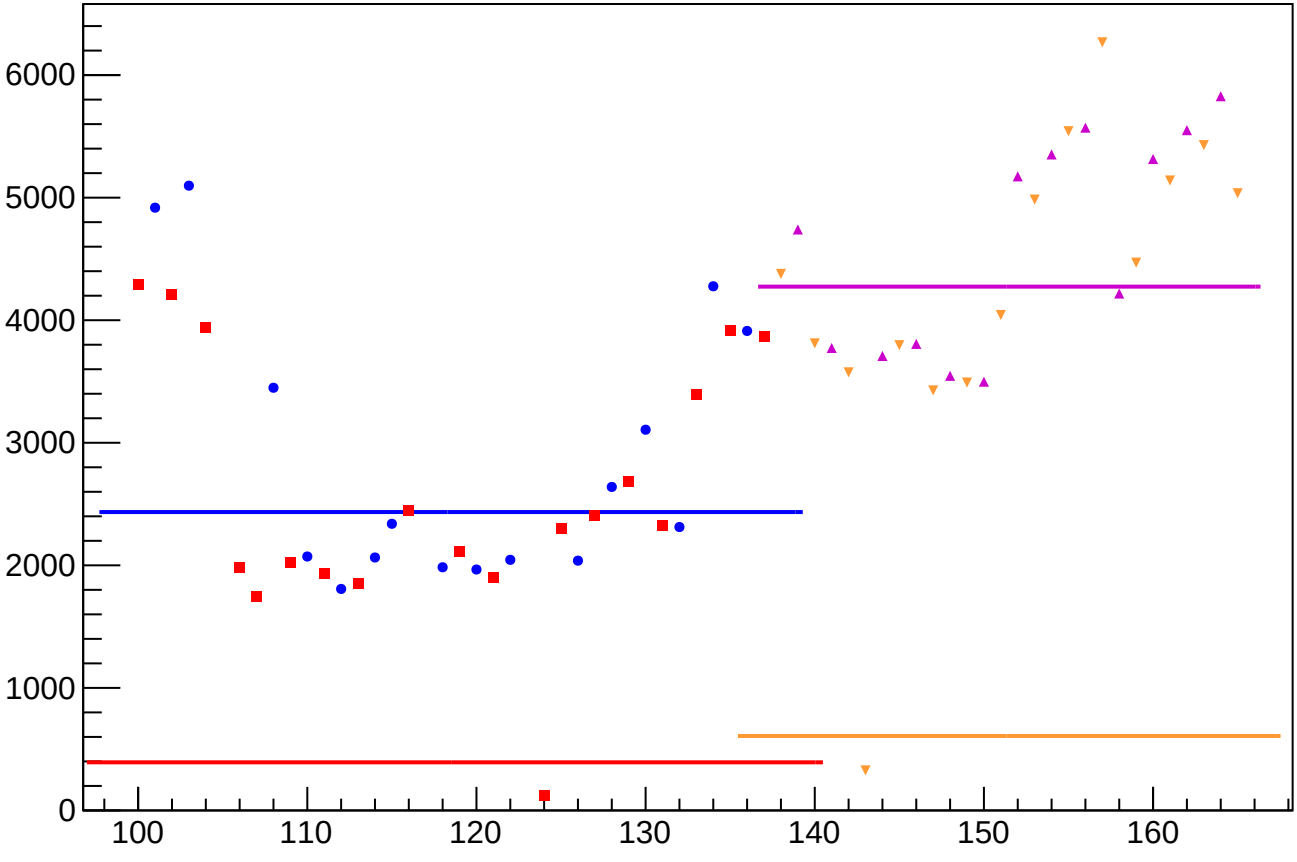
Left In: 1358.939+/-1316.428 χ^2/NDF:8.0/12

+ sign 195.230+/-329.541 χ^2/NDF: 38.1/30

All: 176.990+/-224.647 χ^2/NDF: 67.6/62

- sign 161.154+/-307.048 χ^2/NDF: 29.5/31

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 607.638+/-0.248 χ^2/NDF:17347623.9/14

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

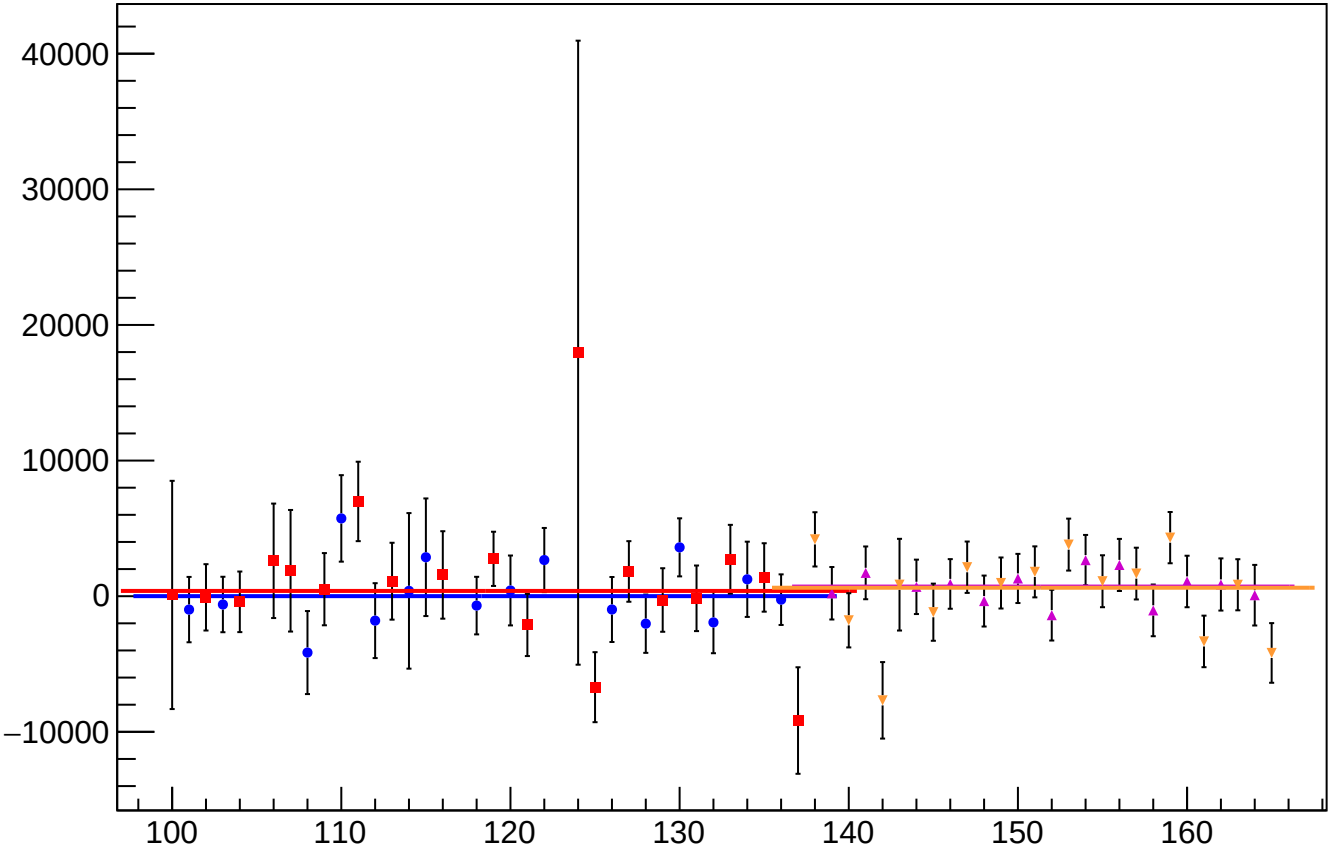
Left In: 4274.081+/-0.931 χ^2/NDF:719239.3/12

+ sign 822.511+/-0.233 χ^2/NDF: 25183714.6/30

All: 705.451+/-0.159 χ^2/NDF: 54223201.4/62

- sign 603.824+/-0.217 χ^2/NDF: 28568025.4/31

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 624.470+/-523.540 χ^2/NDF:31.2/14

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

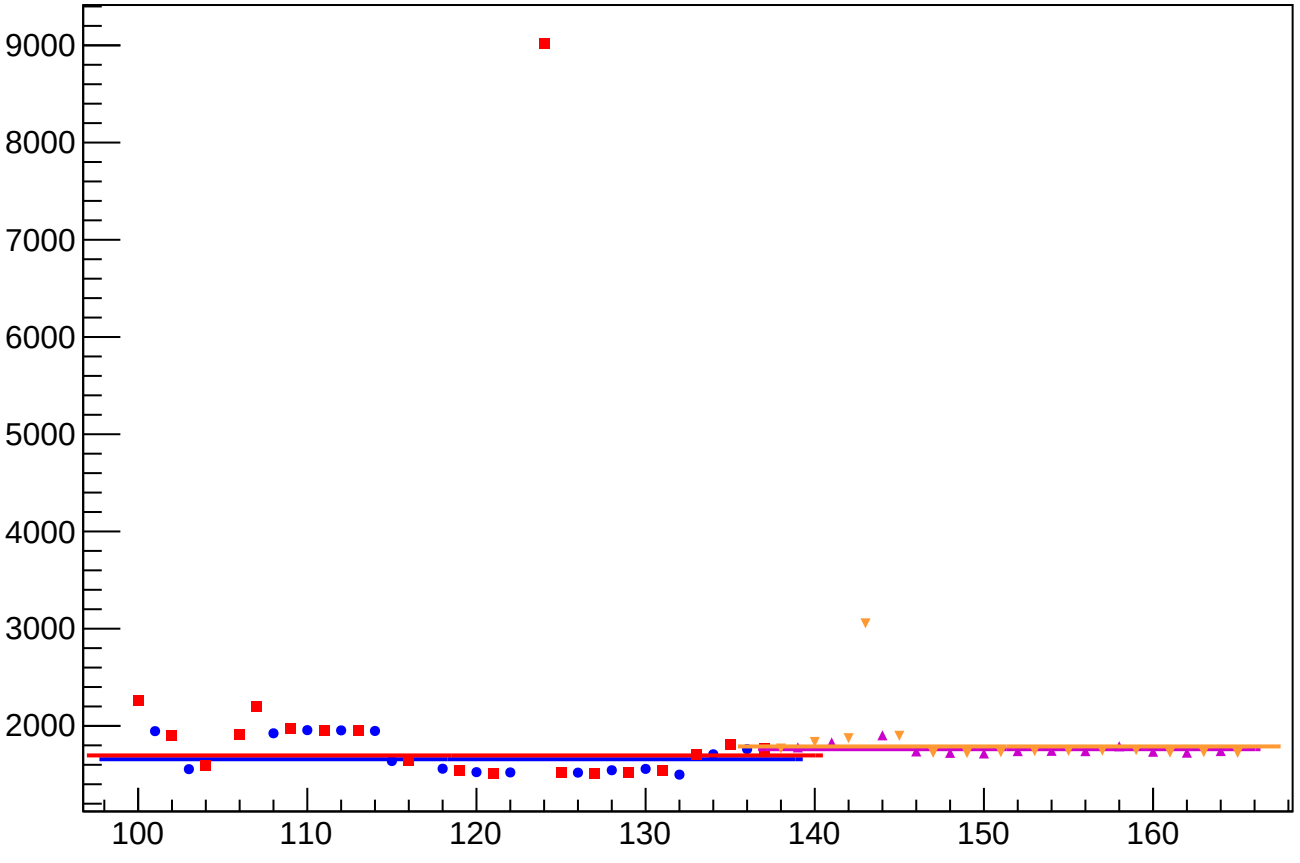
Left In: 709.762+/-531.742 χ^2/NDF:4.8/12

+ sign 366.280+/-399.980 χ^2/NDF: 44.2/30

All: 469.843+/-285.393 χ^2/NDF: 73.3/62

- sign 577.249+/-407.333 χ^2/NDF: 29.0/31

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1788.892+/-0.370 χ^2/NDF:306349.3/14

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

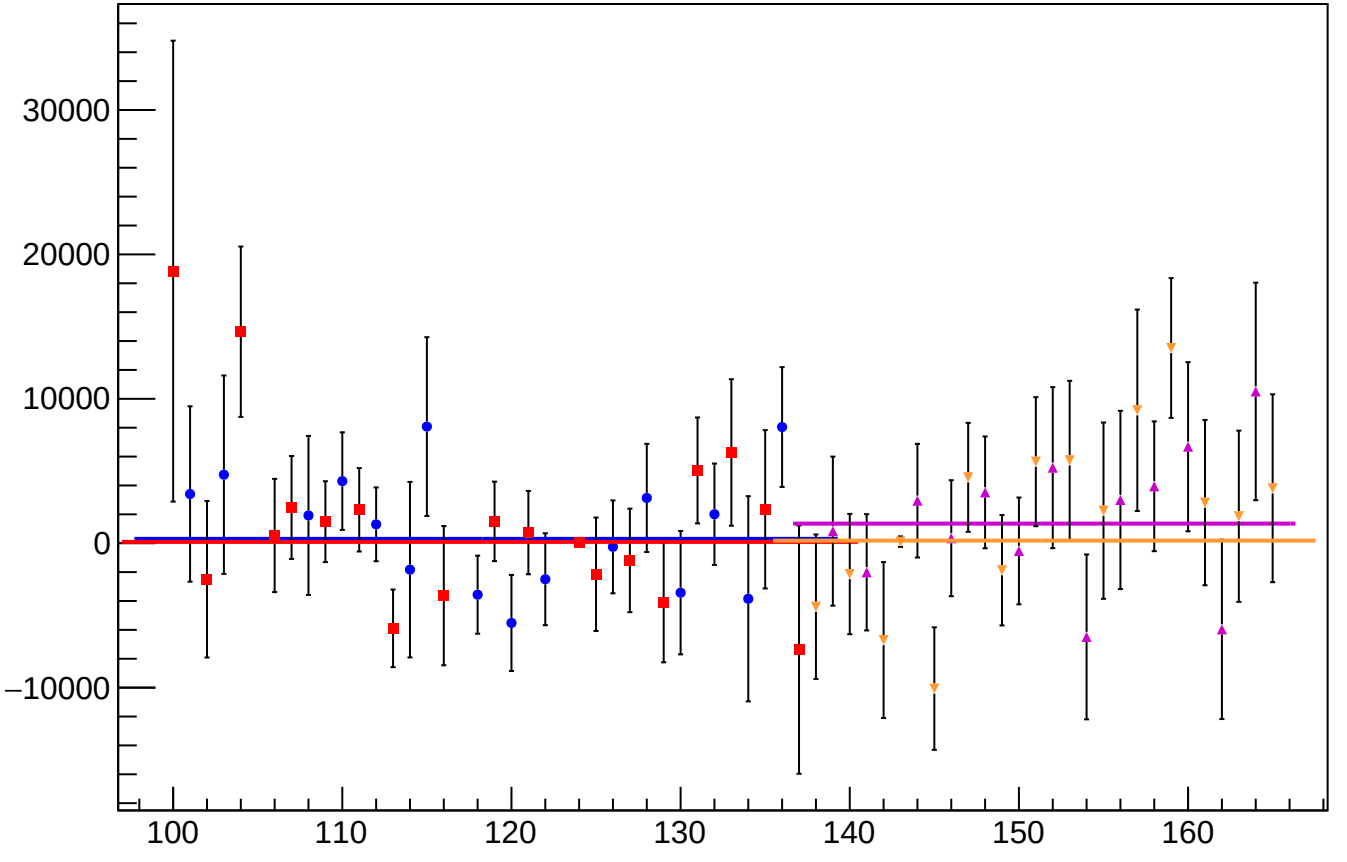
Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

+ sign 1734.032+/-0.283 χ^2/NDF: 503079.8/30

All: 1733.972+/-0.202 χ^2/NDF: 920588.4/62

- sign 1733.909+/-0.288 χ^2/NDF: 417508.5/31

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 181.022+/-350.814 χ^2/NDF:22.8/14

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

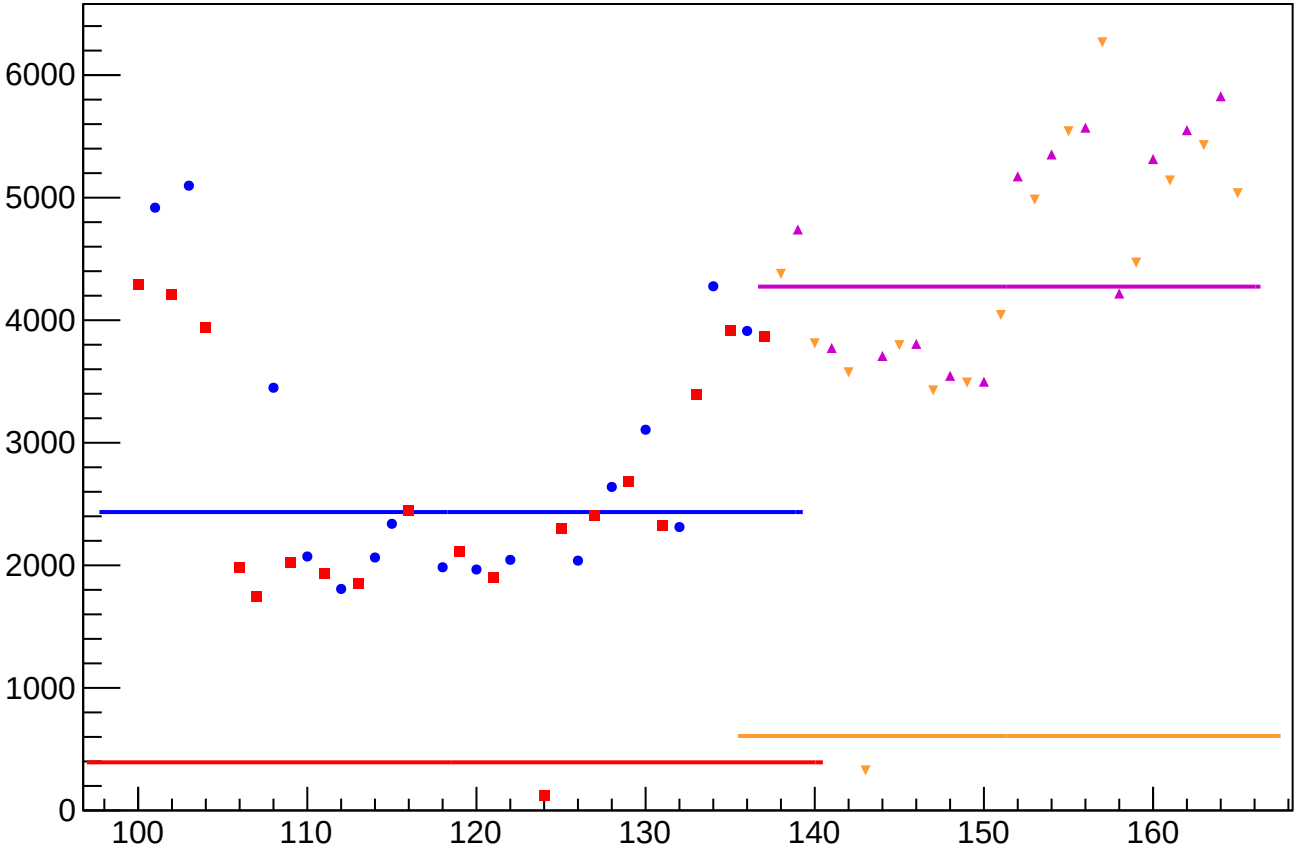
Left In: 1358.939+/-1316.428 χ^2/NDF:8.0/12

\+ sign 195.230+/-329.541 χ^2/NDF: 38.1/30

All: 176.990+/-224.647 χ^2/NDF: 67.6/62

\- sign 161.154+/-307.048 χ^2/NDF: 29.5/31

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 607.638+/-0.248 χ^2/NDF:17347623.9/14

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

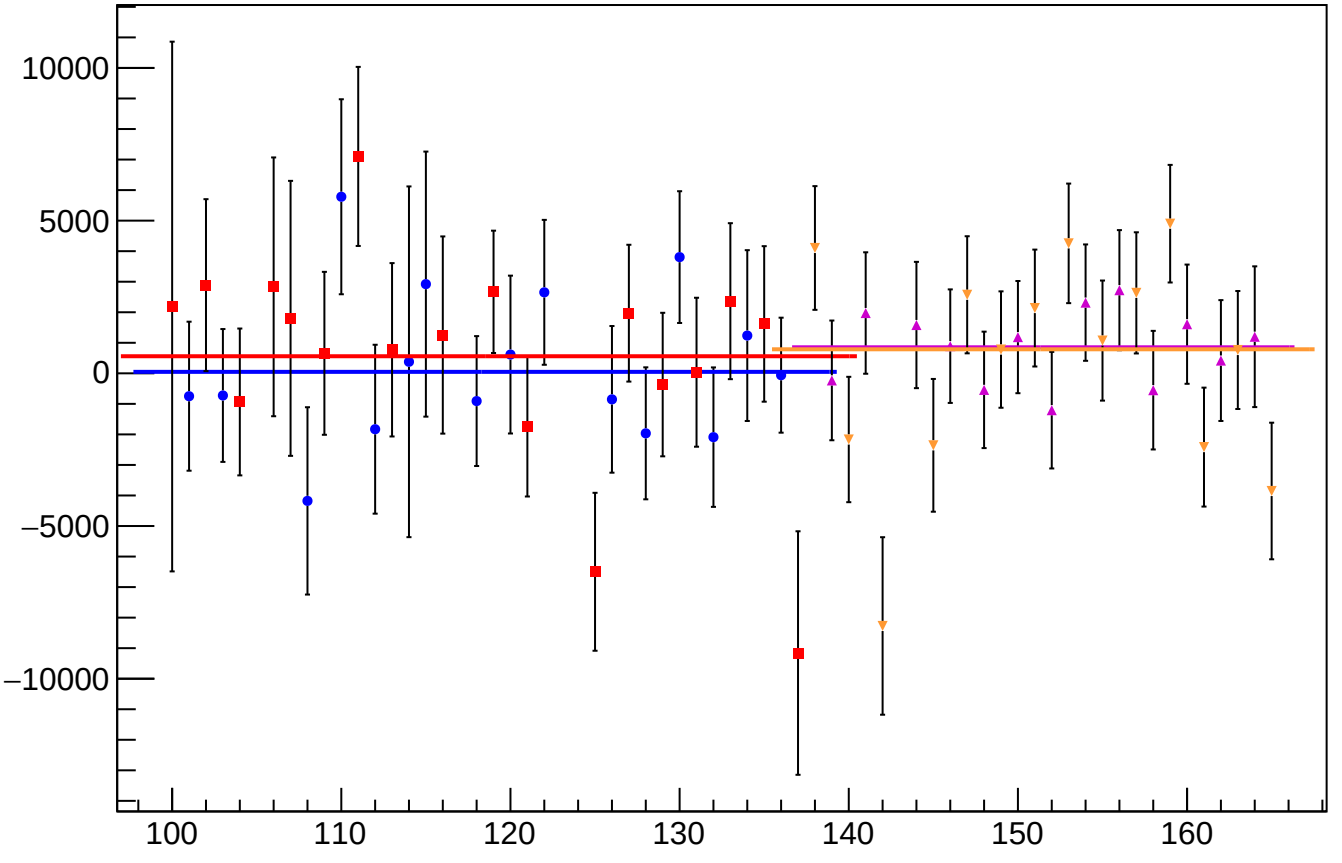
Left In: 4274.081+/-0.931 χ^2/NDF:719239.3/12

+ sign 822.511+/-0.233 χ^2/NDF: 25183714.6/30

All: 705.451+/-0.159 χ^2/NDF: 54223201.4/62

- sign 603.824+/-0.217 χ^2/NDF: 28568025.4/31

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 787.201+/-541.814 χ^2/NDF:33.5/13

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

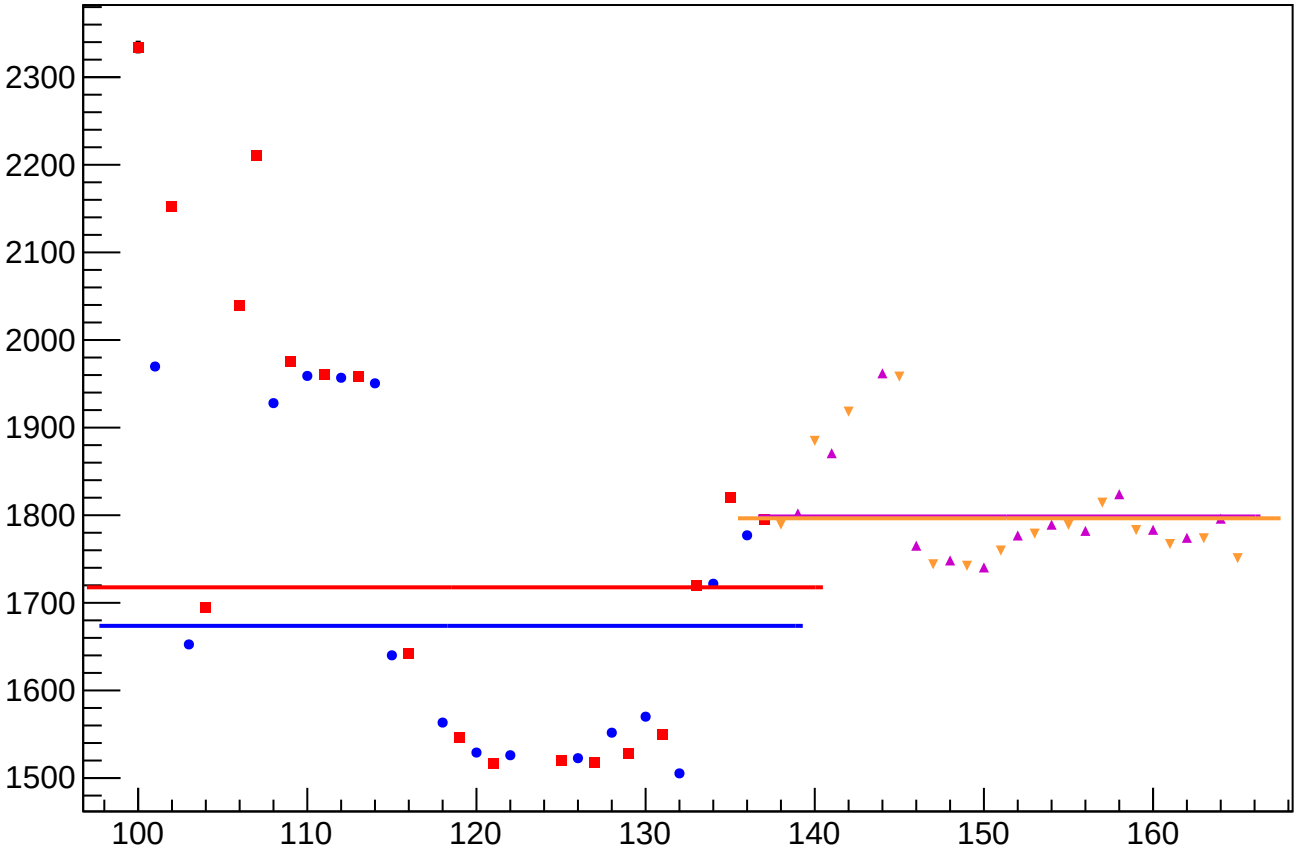
Left In: 852.692+/-543.303 χ^2/NDF:4.7/12

+ sign 470.842+/-409.718 χ^2/NDF: 47.1/29

All: 599.118+/-291.775 χ^2/NDF: 75.5/60

- sign 731.110+/-415.610 χ^2/NDF: 28.1/30

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1796.498+/-0.383 χ^2/NDF:24179.5/13

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

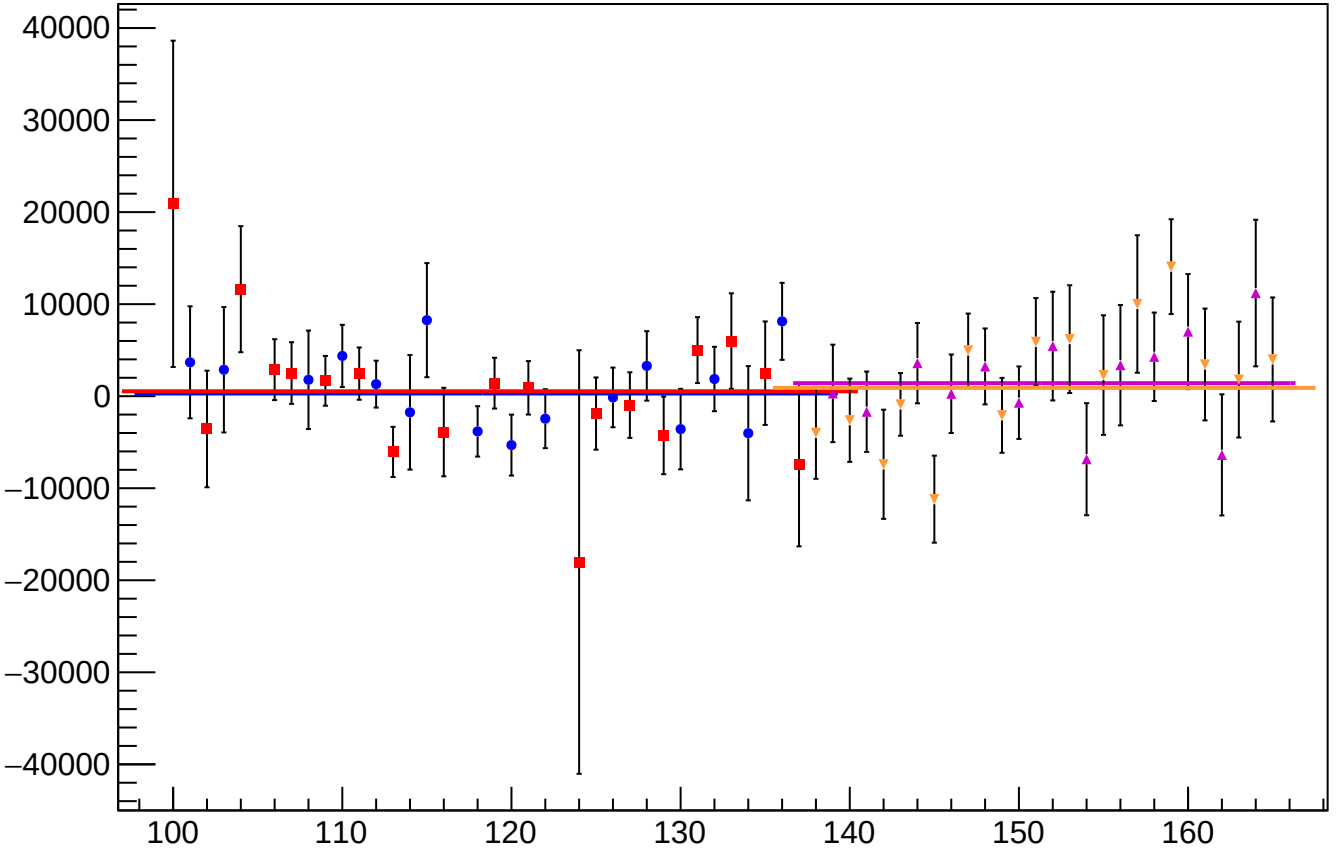
Left In: 1798.585+/-0.384 χ^2/NDF:20382.6/12

+ sign 1743.932+/-0.290 χ^2/NDF: 209018.9/29

All: 1754.299+/-0.206 χ^2/NDF: 478071.4/60

- sign 1764.947+/-0.294 χ^2/NDF: 266456.8/30

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 904.410+/-1292.878 χ^2/NDF:22.3/14

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

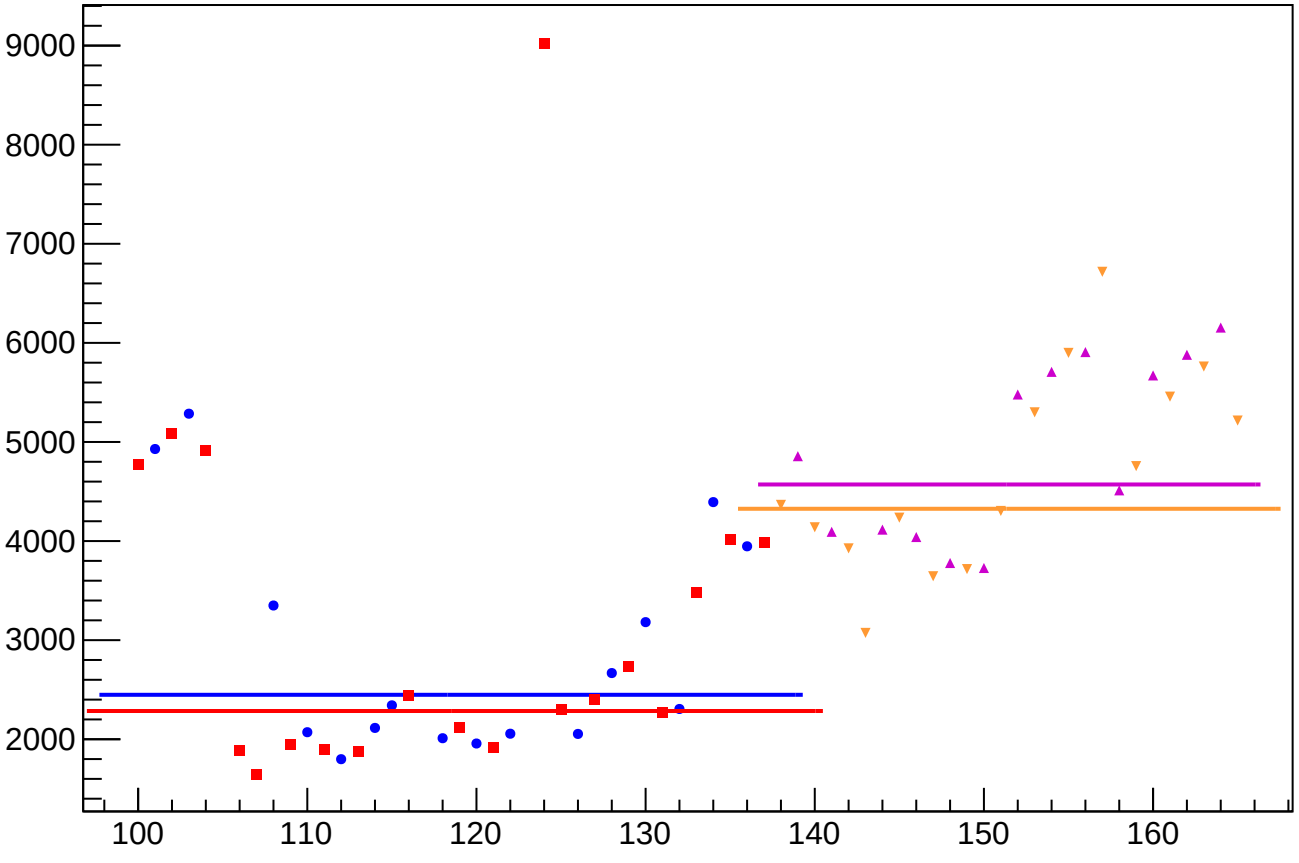
Left In: 1413.547+/-1406.536 χ^2/NDF:7.8/12

+ sign 513.918+/-773.169 χ^2/NDF: 37.7/30

All: 651.743+/-537.755 χ^2/NDF: 64.7/62

- sign 780.892+/-748.434 χ^2/NDF: 26.9/31

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4325.861+/-0.914 χ^2/NDF:986984.9/14

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

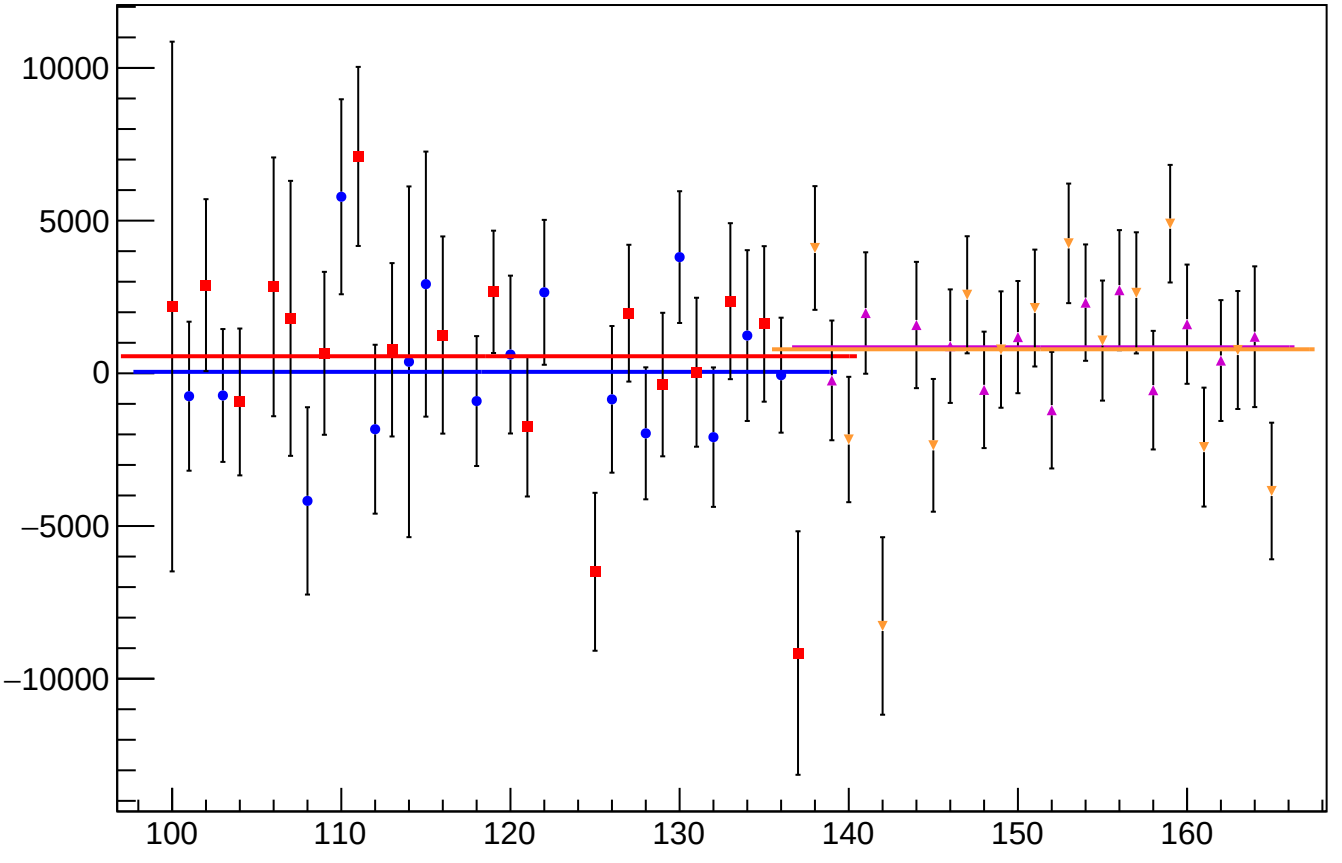
Left In: 4571.049+/-0.995 χ^2/NDF:668660.0/12

+ sign 3119.964+/-0.547 χ^2/NDF: 5213203.2/30

All: 3023.098+/-0.380 χ^2/NDF: 11278563.4/6

- sign 2932.331+/-0.529 χ^2/NDF: 6004552.3/31

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 787.205+/-541.814 χ^2/NDF:33.5/13

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

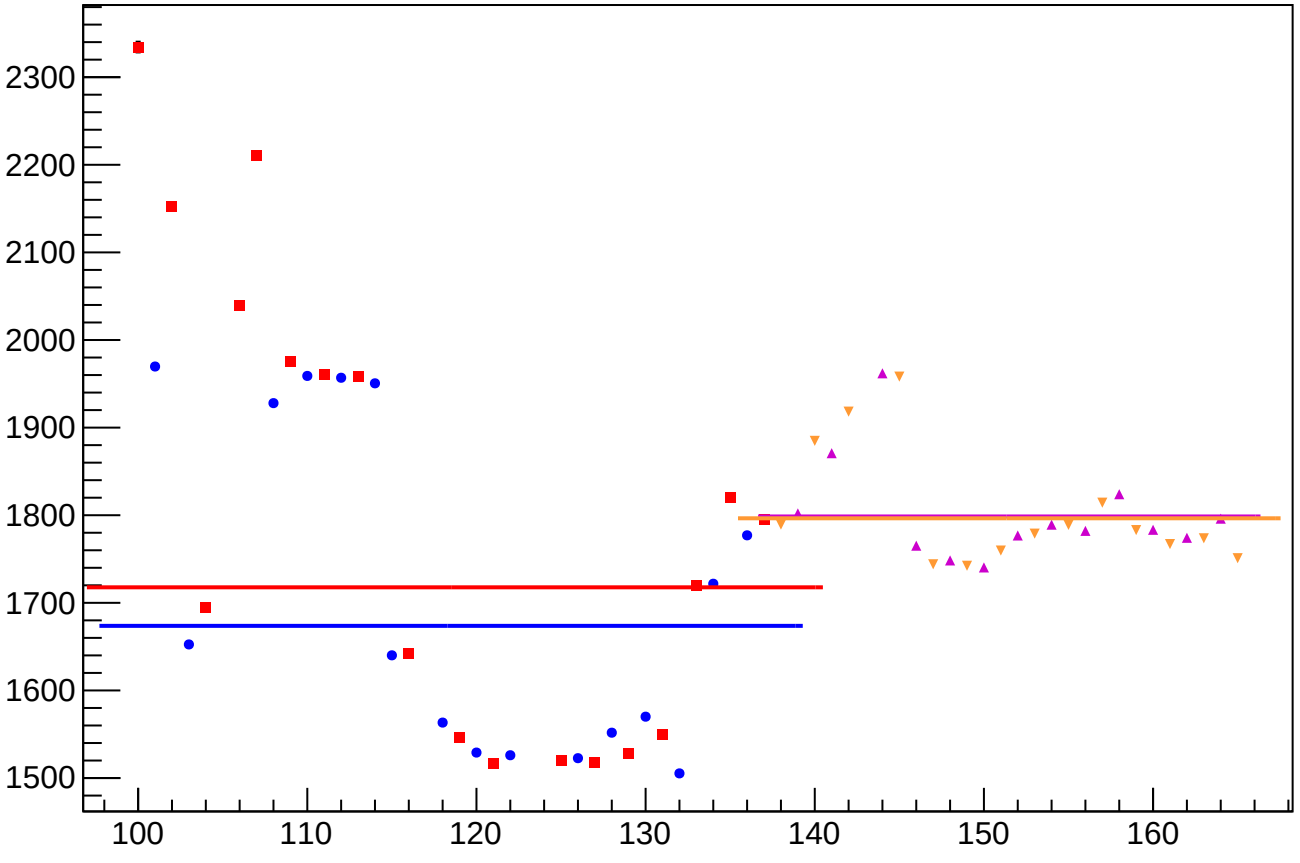
Left In: 852.693+/-543.303 χ^2/NDF:4.7/12

+ sign 470.843+/-409.718 χ^2/NDF: 47.1/29

All: 599.119+/-291.775 χ^2/NDF: 75.5/60

- sign 731.112+/-415.610 χ^2/NDF: 28.1/30

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1796.499+/-0.383 χ^2/NDF:24180.0/13

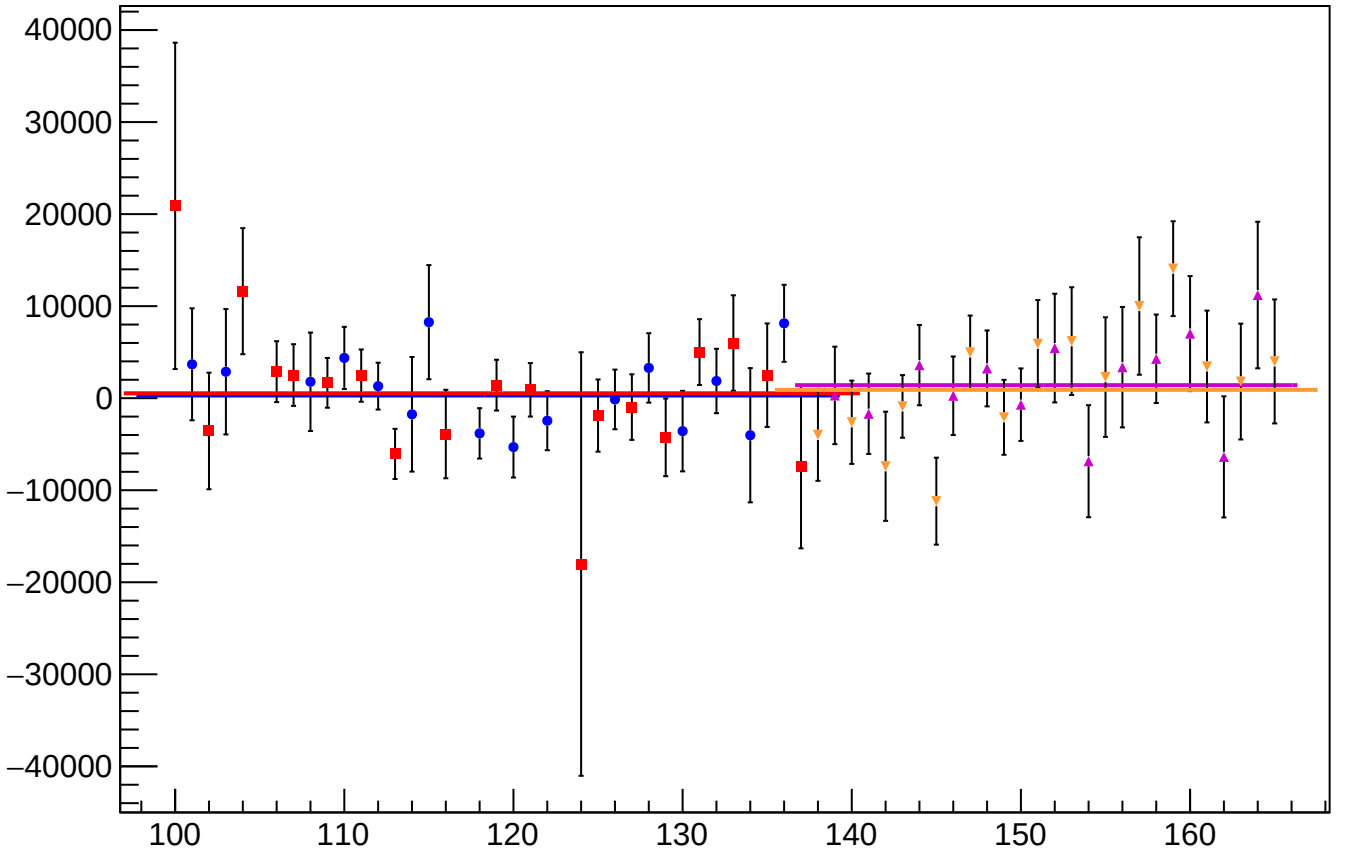
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1798.586+/-0.384 χ^2/NDF:20382.8/12

+ sign 1743.933+/-0.290 χ^2/NDF: 209020.3/29

All: 1754.300+/-0.206 χ^2/NDF: 478072.8/60

- sign 1764.947+/-0.294 χ^2/NDF: 266456.8/30



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 904.415+/-1292.880 χ^2/NDF:22.3/14

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

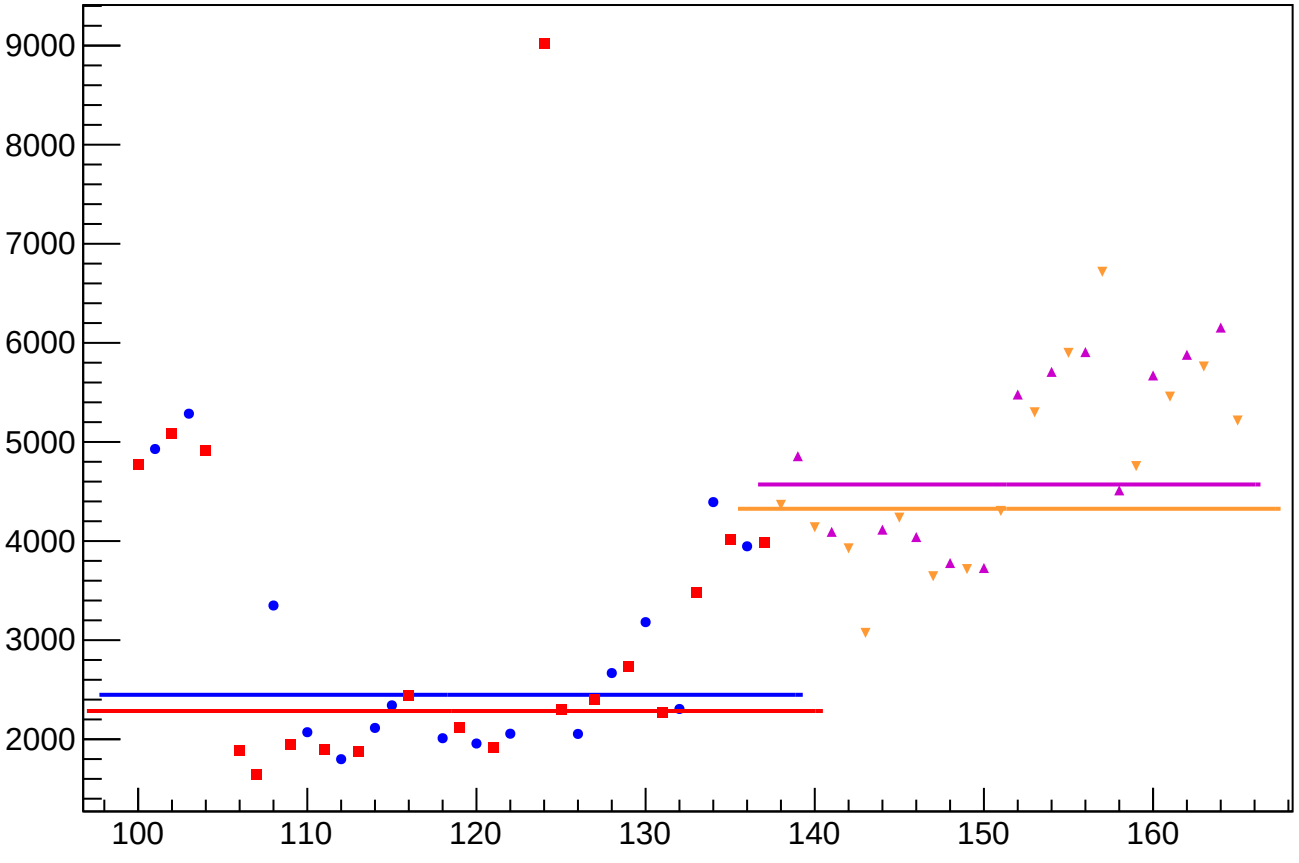
Left In: 1413.548+/-1406.538 χ^2/NDF:7.8/12

+ sign 513.914+/-773.168 χ^2/NDF: 37.7/30

All: 651.742+/-537.754 χ^2/NDF: 64.7/62

- sign 780.891+/-748.432 χ^2/NDF: 26.9/31

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4325.866+/-0.914 χ^2/NDF:986989.4/14

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

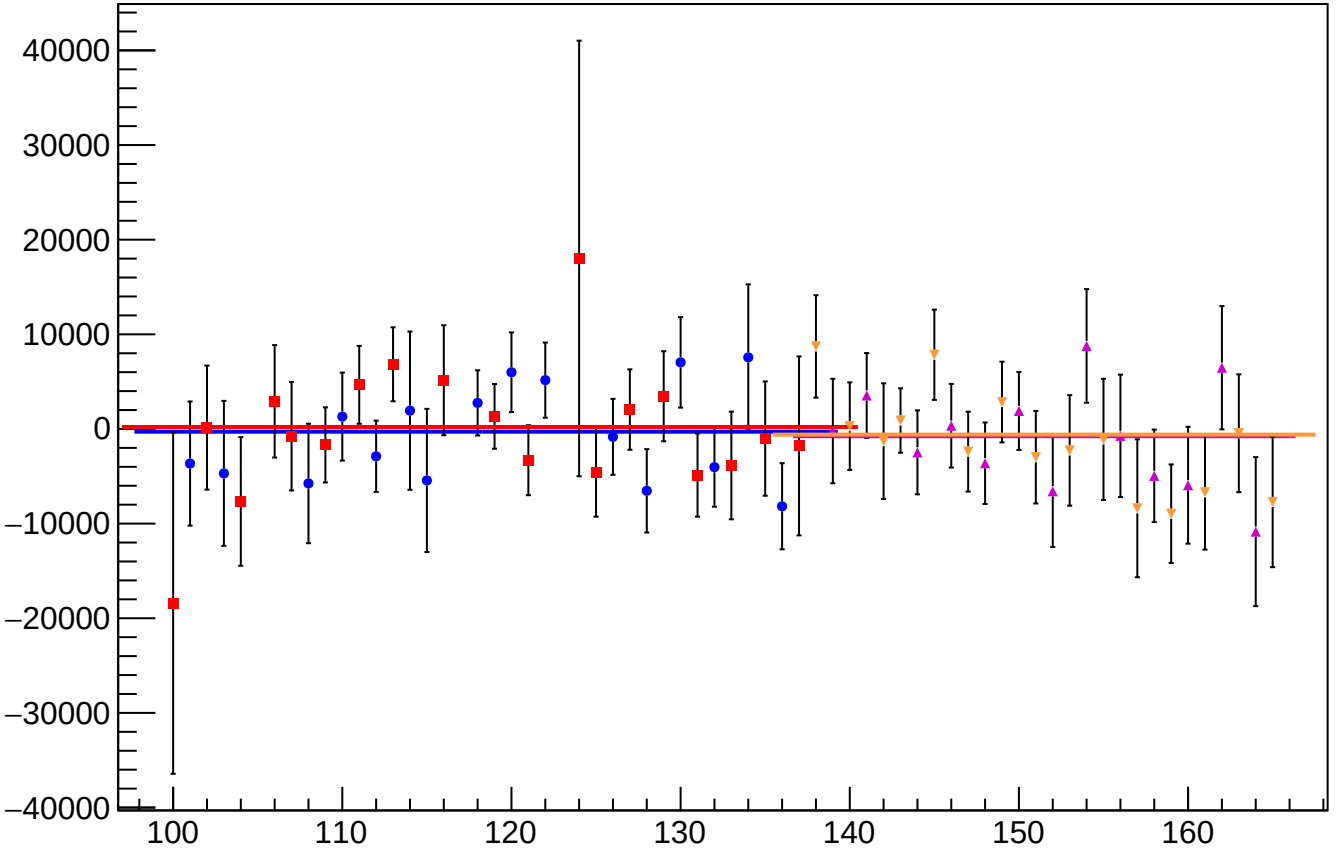
Left In: 4571.054+/-0.995 χ^2/NDF:668662.7/12

+ sign 3119.954+/-0.547 χ^2/NDF: 5213268.9/30

All: 3023.088+/-0.380 χ^2/NDF: 11278687.3/6

- sign 2932.322+/-0.529 χ^2/NDF: 6004610.6/31

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -595.153+/-1319.100 χ^2/NDF:13.3/14

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

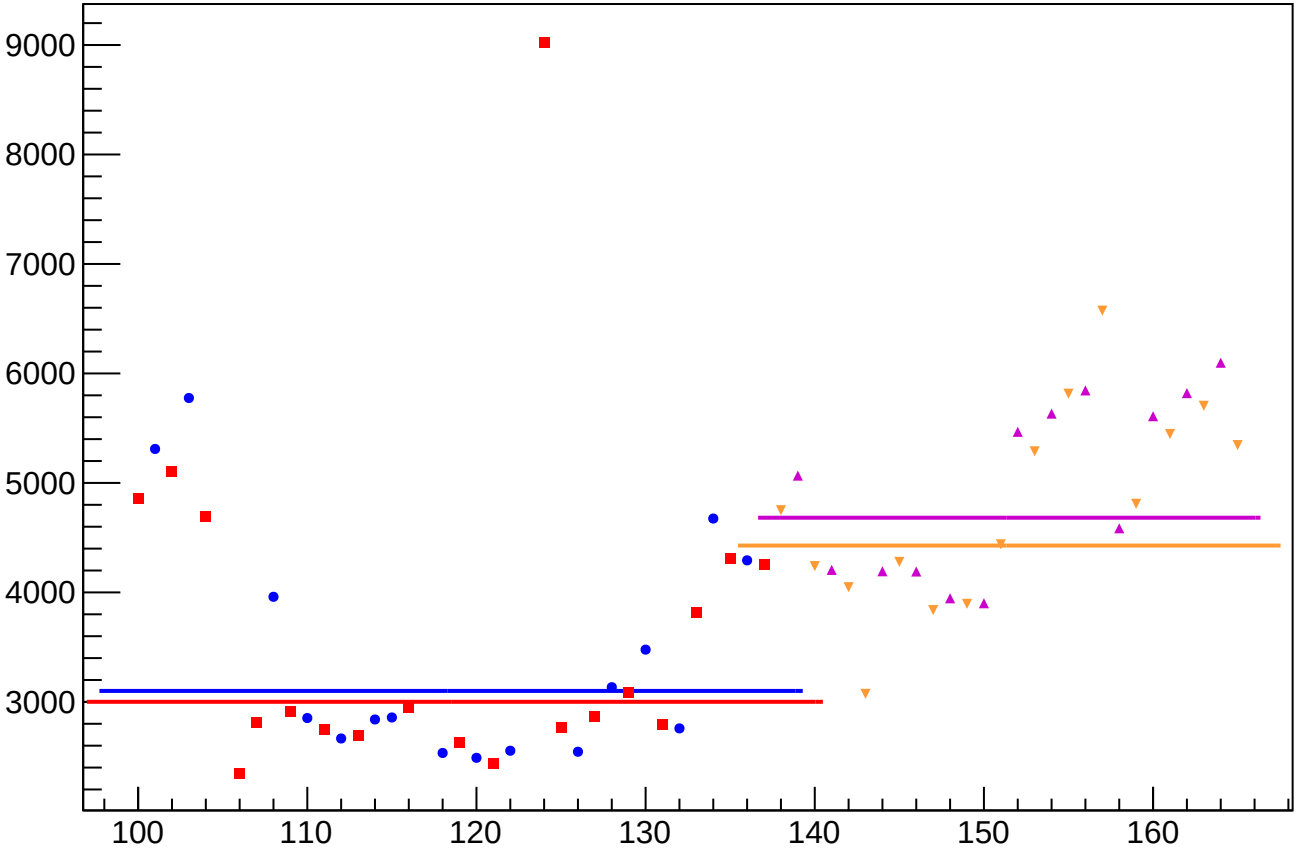
Left In: -763.946+/-1434.681 χ^2/NDF:9.8/12

+ sign -426.352+/-886.575 χ^2/NDF: 29.9/30

All: -301.360+/-631.280 χ^2/NDF: 52.9/62

- sign -172.815+/-899.085 χ^2/NDF: 23.0/31

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4428.037+/-0.933 χ^2/NDF:905274.9/14

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

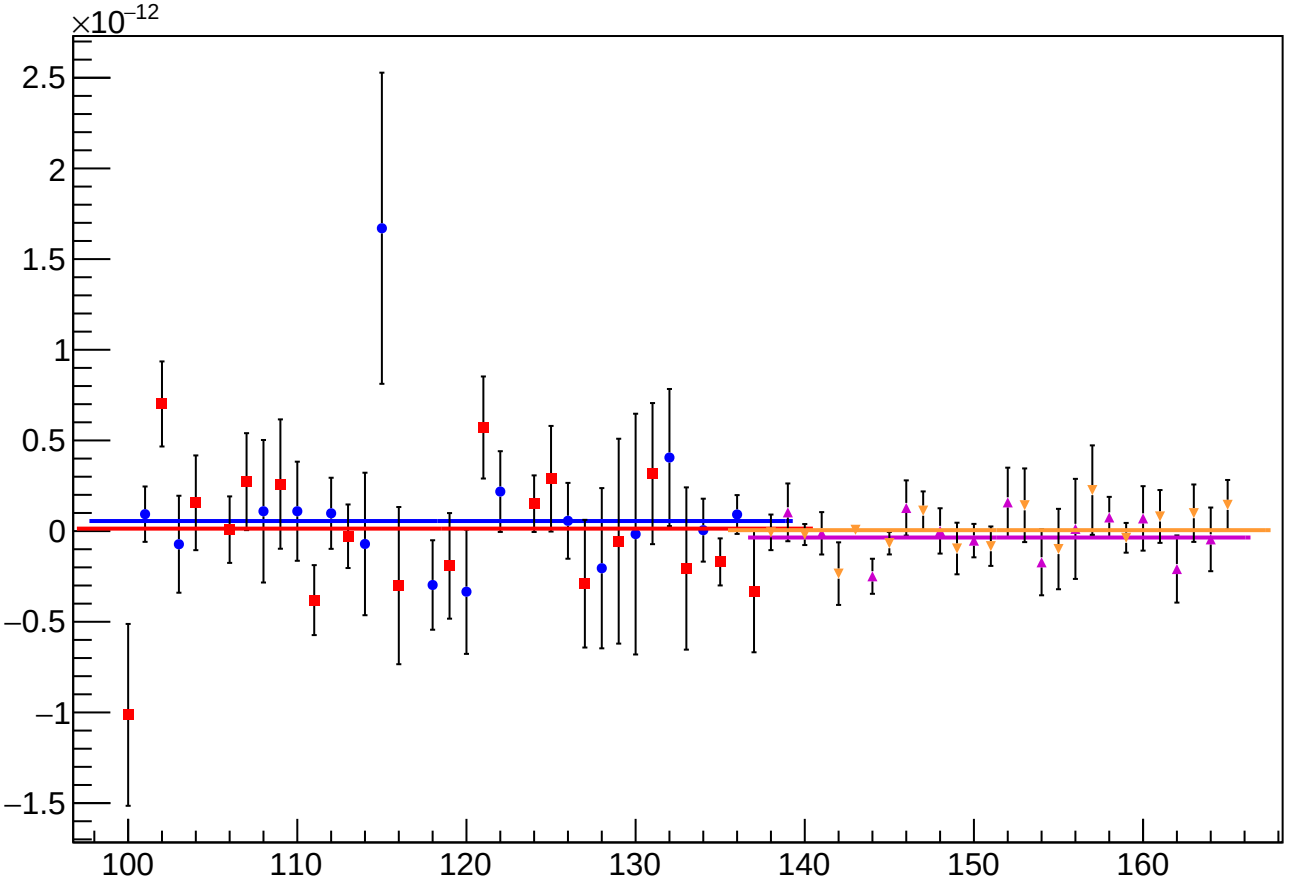
Left In: 4682.325+/-1.014 χ^2/NDF:533586.2/12

\+ sign 3699.983+/-0.627 χ^2/NDF: 2980175.5/30

All: 3675.274+/-0.445 χ^2/NDF: 6009783.2/62

\- sign 3650.281+/-0.630 χ^2/NDF: 3026483.0/31

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/14

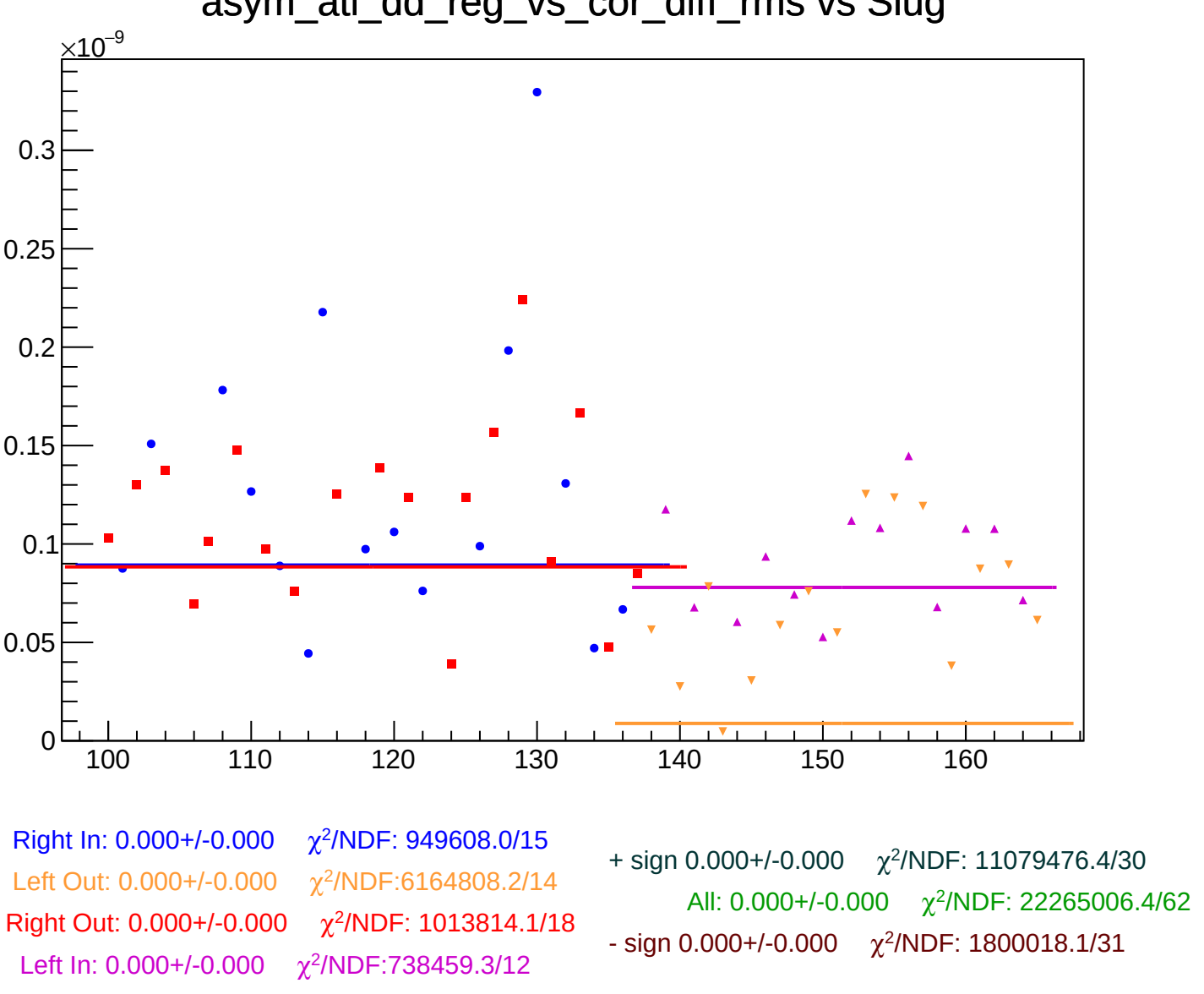
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/12

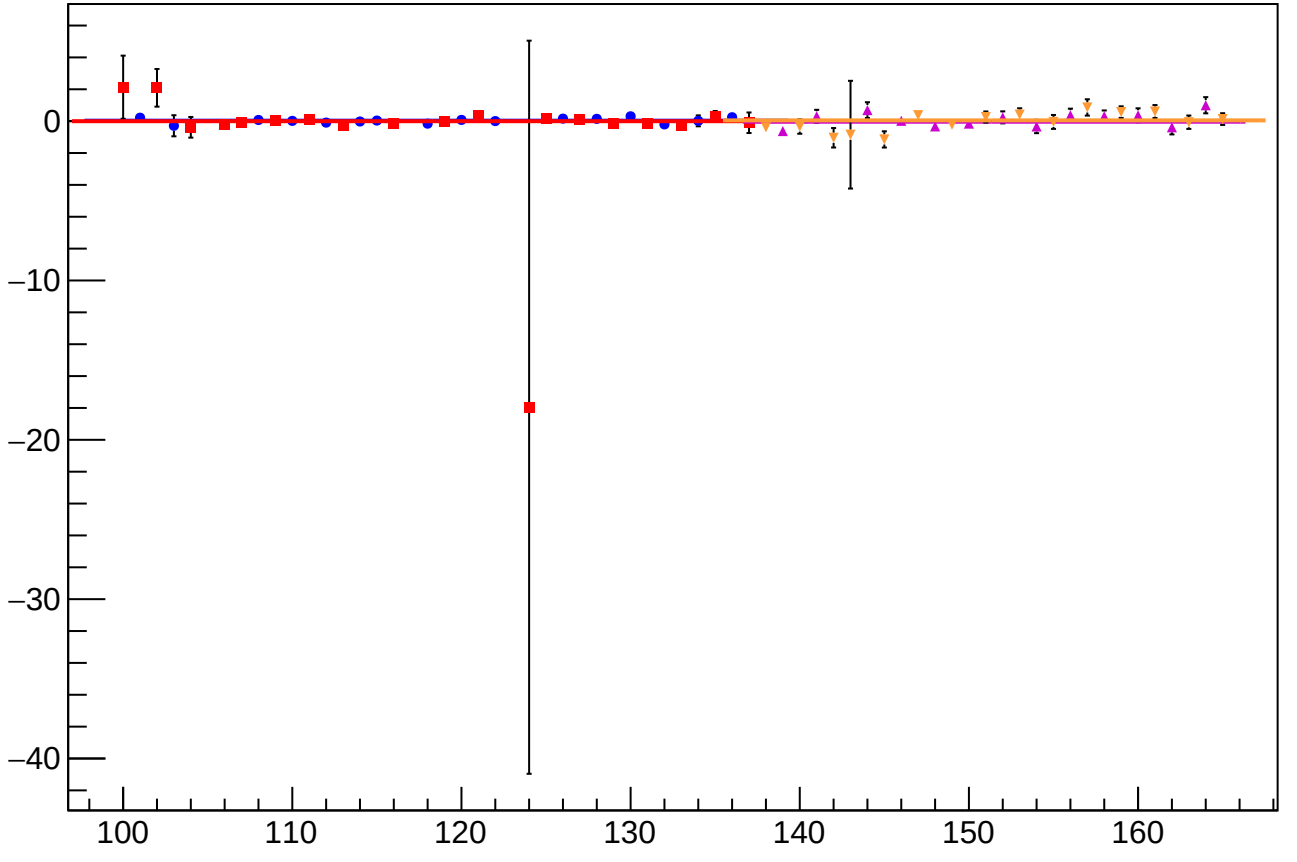
+ sign 0.000+/-0.000 χ^2/NDF: 19.2/30

All: 0.000+/-0.000 χ^2/NDF: 61.2/62

- sign -0.000+/-0.000 χ^2/NDF: 41.3/31


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:6164808.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:738459.3/12
+ sign 0.000+/-0.000 χ²/NDF: 11079476.4/30
All: 0.000+/-0.000 χ²/NDF: 22265006.4/62
- sign 0.000+/-0.000 χ²/NDF: 1800018.1/31

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

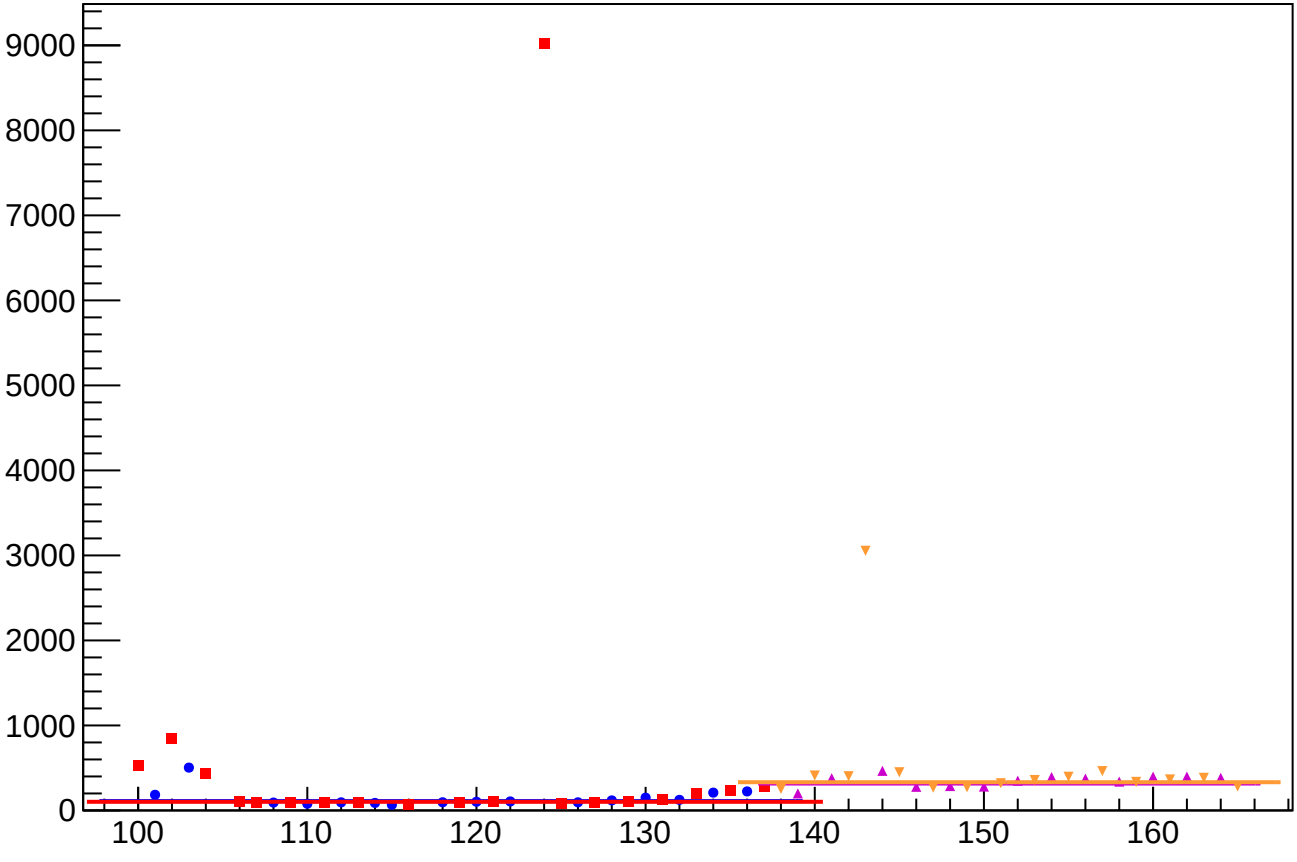
Left In: -0.035+/-0.099 χ^2/NDF:18.8/12

+ sign 0.031+/-0.041 χ^2/NDF: 30.4/30

All: 0.011+/-0.029 χ^2/NDF: 72.2/62

- sign -0.008+/-0.040 χ^2/NDF: 41.3/31

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 332.185+/-0.072 χ^2/NDF:2072522.0/14

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

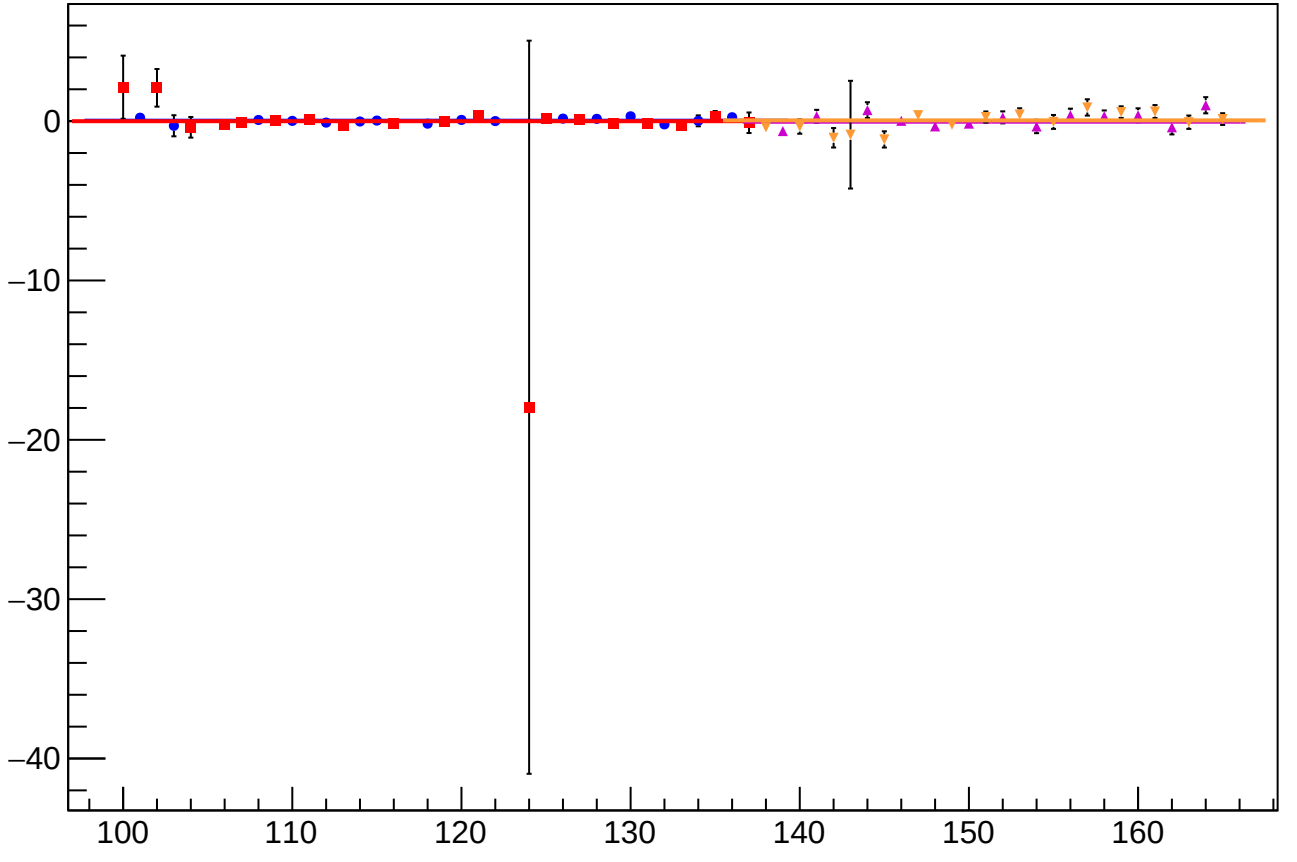
Left In: 316.501+/-0.070 χ^2/NDF:1110182.2/12

+ sign 146.557+/-0.029 χ^2/NDF: 11921988.7/30

All: 141.170+/-0.020 χ^2/NDF: 23527334.5/62

- sign 136.206+/-0.028 χ^2/NDF: 11540305.8/31

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: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

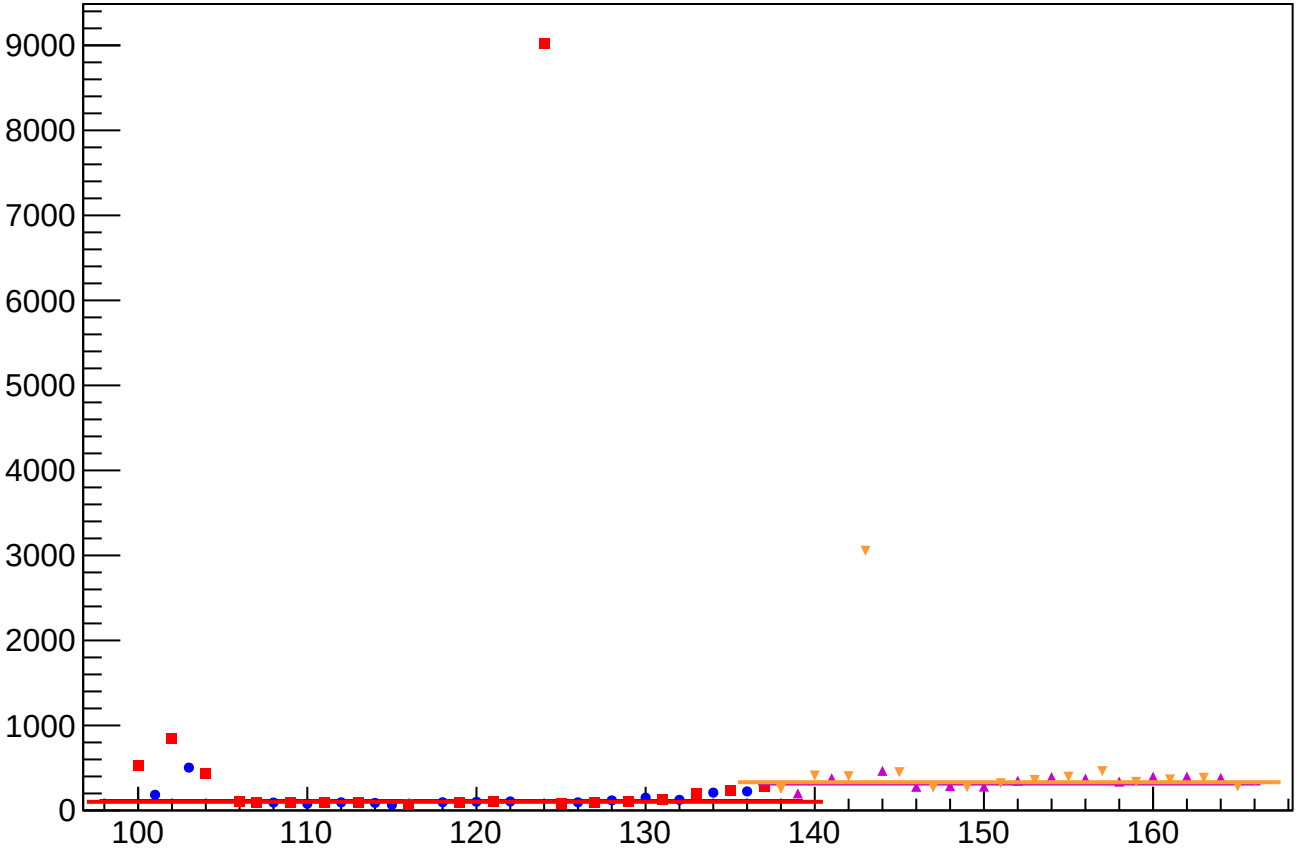
Left In: -0.035+/-0.099 χ^2/NDF:18.8/12

+ sign 0.031+/-0.041 χ^2/NDF: 30.4/30

All: 0.011+/-0.029 χ^2/NDF: 72.2/62

- sign -0.008+/-0.040 χ^2/NDF: 41.3/31

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: 332.185+/-0.072 χ^2/NDF:2072522.0/14

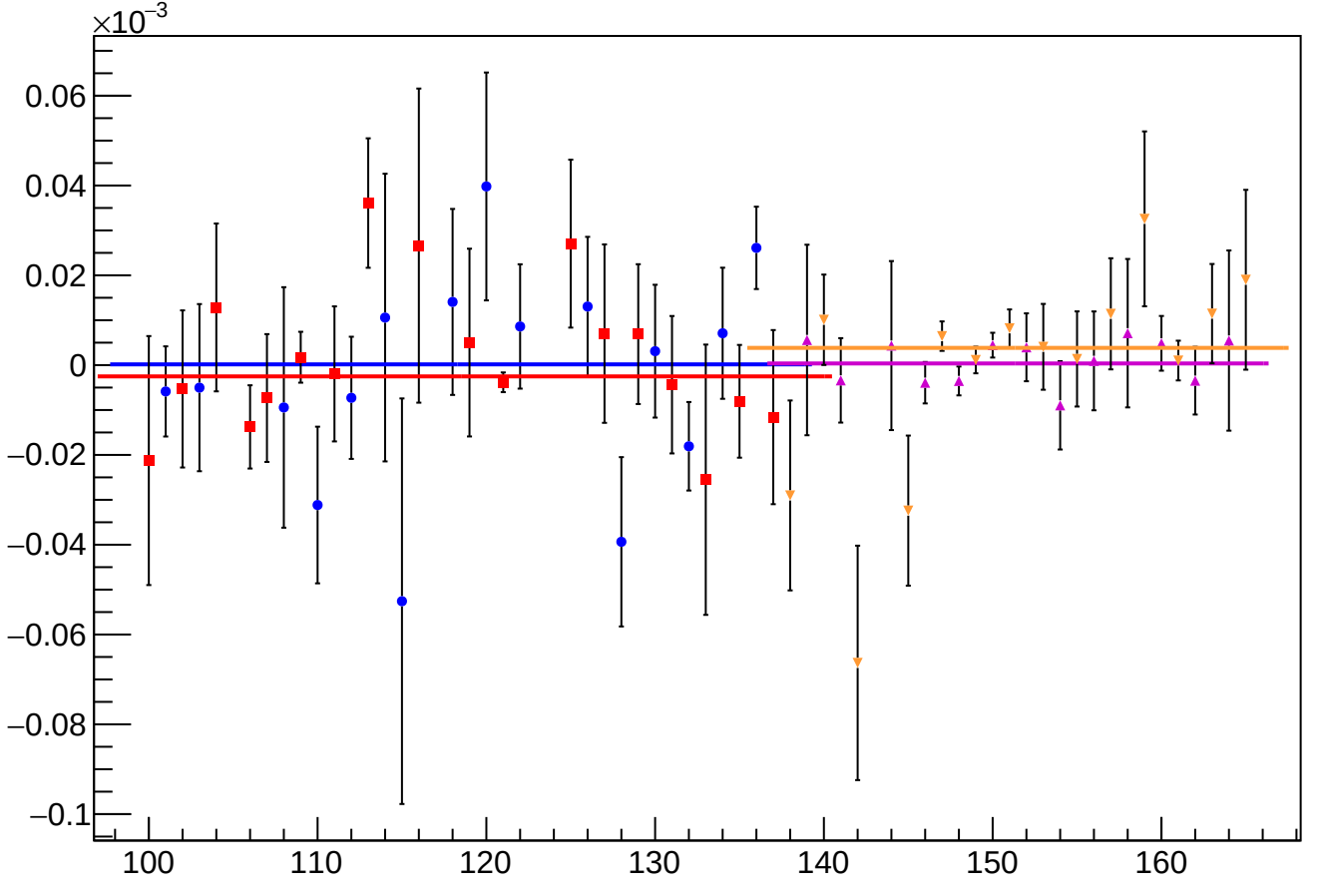
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 316.501+/-0.070 χ^2/NDF:1110182.2/12

+ sign 146.557+/-0.029 χ^2/NDF: 11921988.7/30

All: 141.170+/-0.020 χ^2/NDF: 23527334.5/62

- sign 136.206+/-0.028 χ^2/NDF: 11540305.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/13

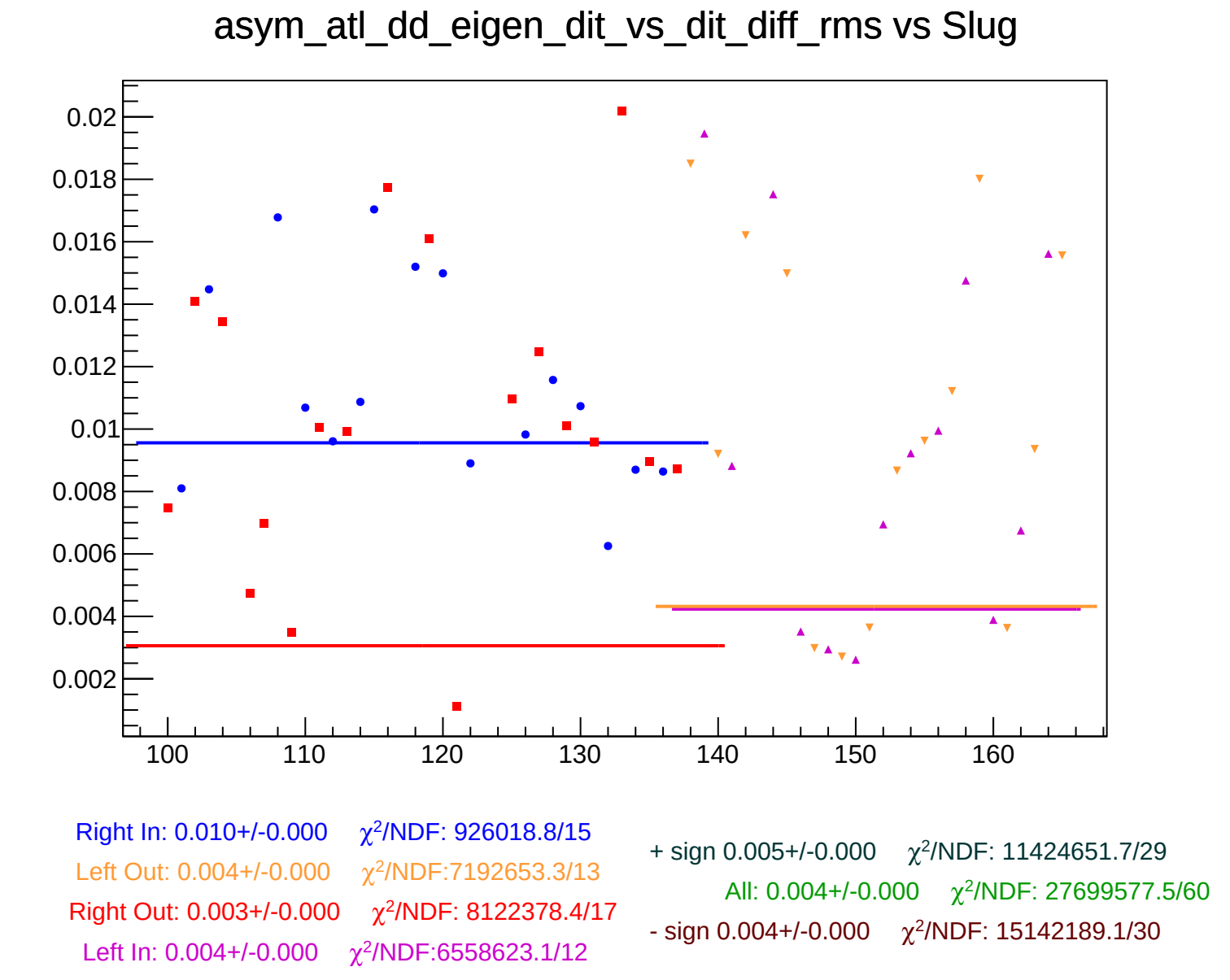
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:6.9/12

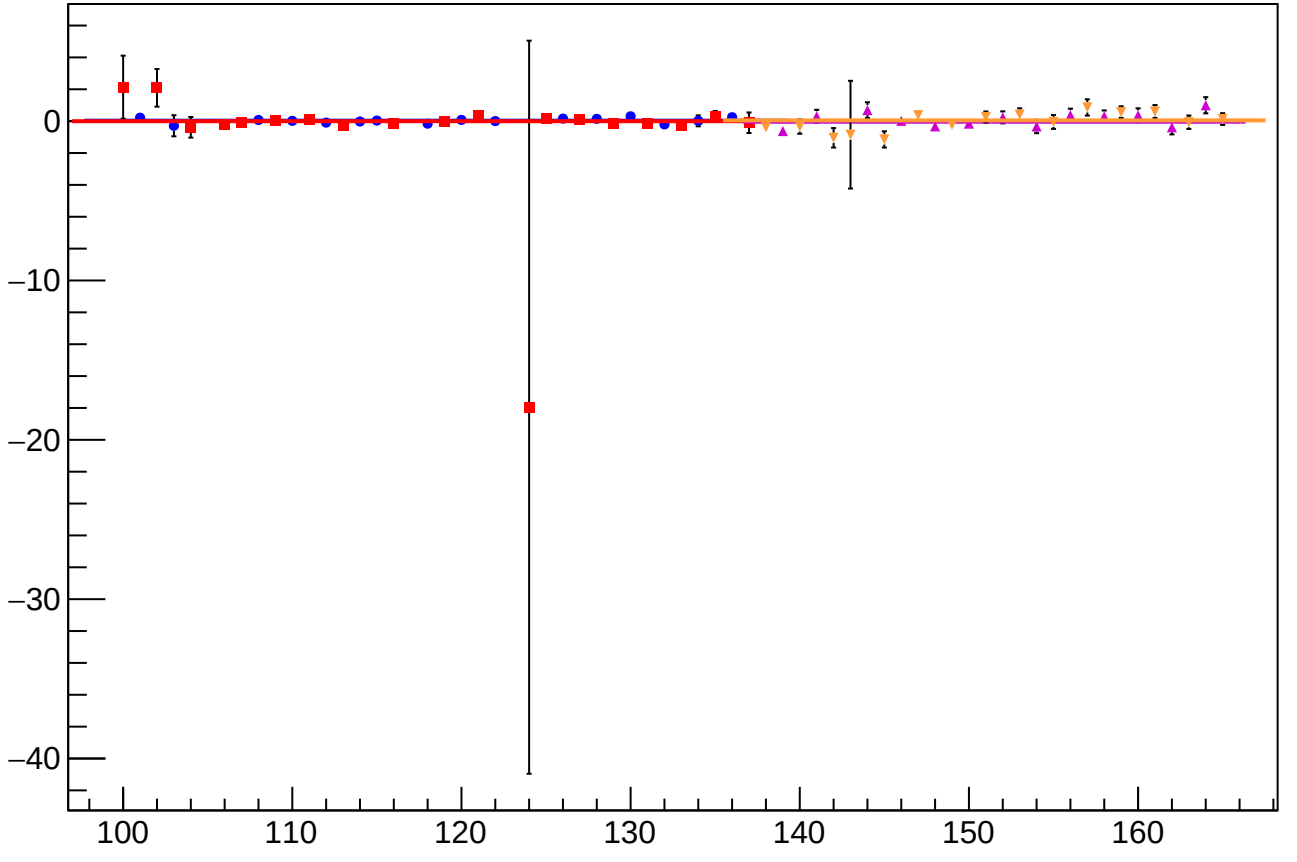
+ sign 0.000+/-0.000 χ^2/NDF: 47.7/29

All: 0.000+/-0.000 χ^2/NDF: 76.4/60

- sign -0.000+/-0.000 χ^2/NDF: 24.1/30


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:7192653.3/13
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:6558623.1/12
+ sign 0.005+/-0.000 χ²/NDF: 11424651.7/29
All: 0.004+/-0.000 χ²/NDF: 27699577.5/60
- sign 0.004+/-0.000 χ²/NDF: 15142189.1/30

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: 0.048+/-0.102 χ^2/NDF:21.5/14

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

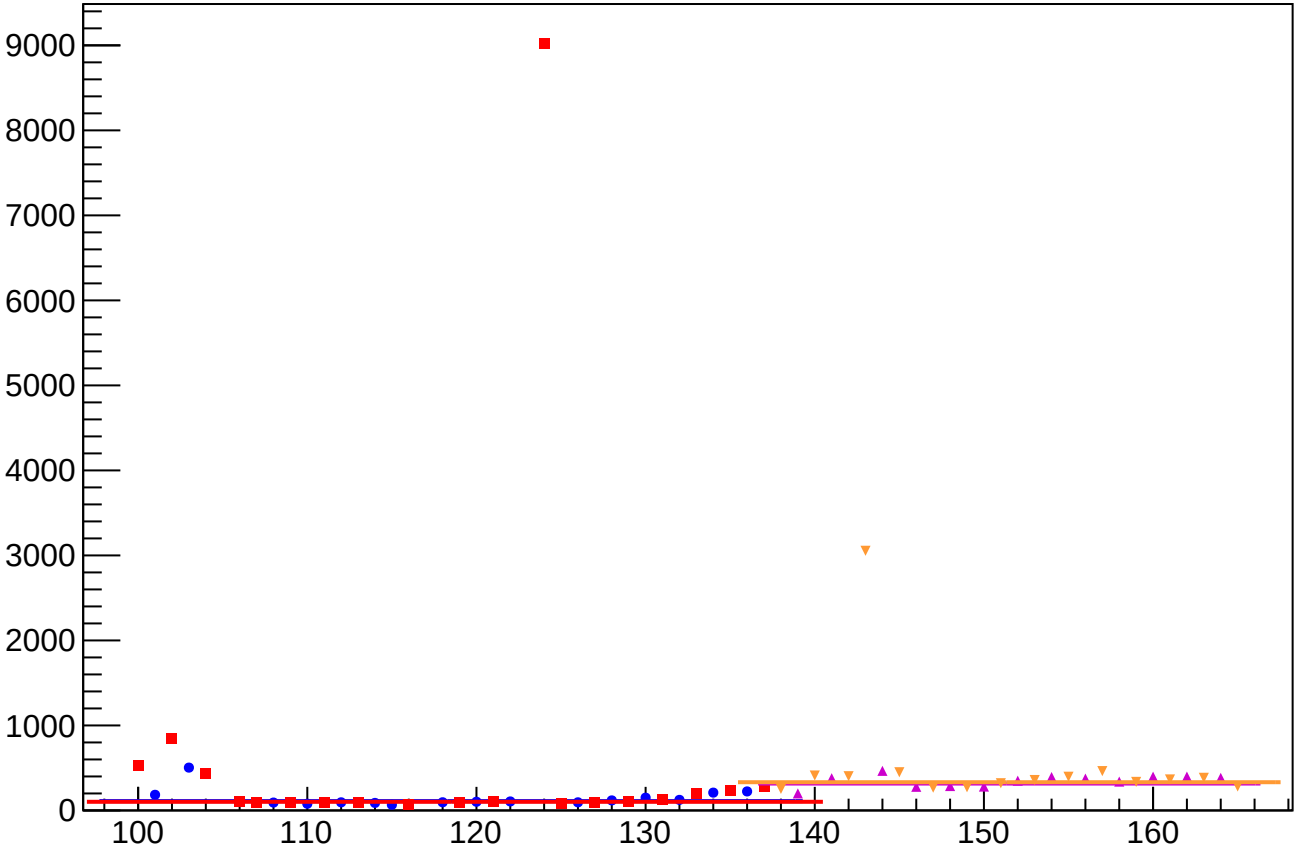
Left In: -0.035+/-0.099 χ^2/NDF:18.8/12

+ sign 0.031+/-0.041 χ^2/NDF: 30.5/30

All: 0.011+/-0.029 χ^2/NDF: 72.2/62

- sign -0.008+/-0.040 χ^2/NDF: 41.3/31

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: 332.189+/-0.072 χ^2/NDF:2072558.1/14

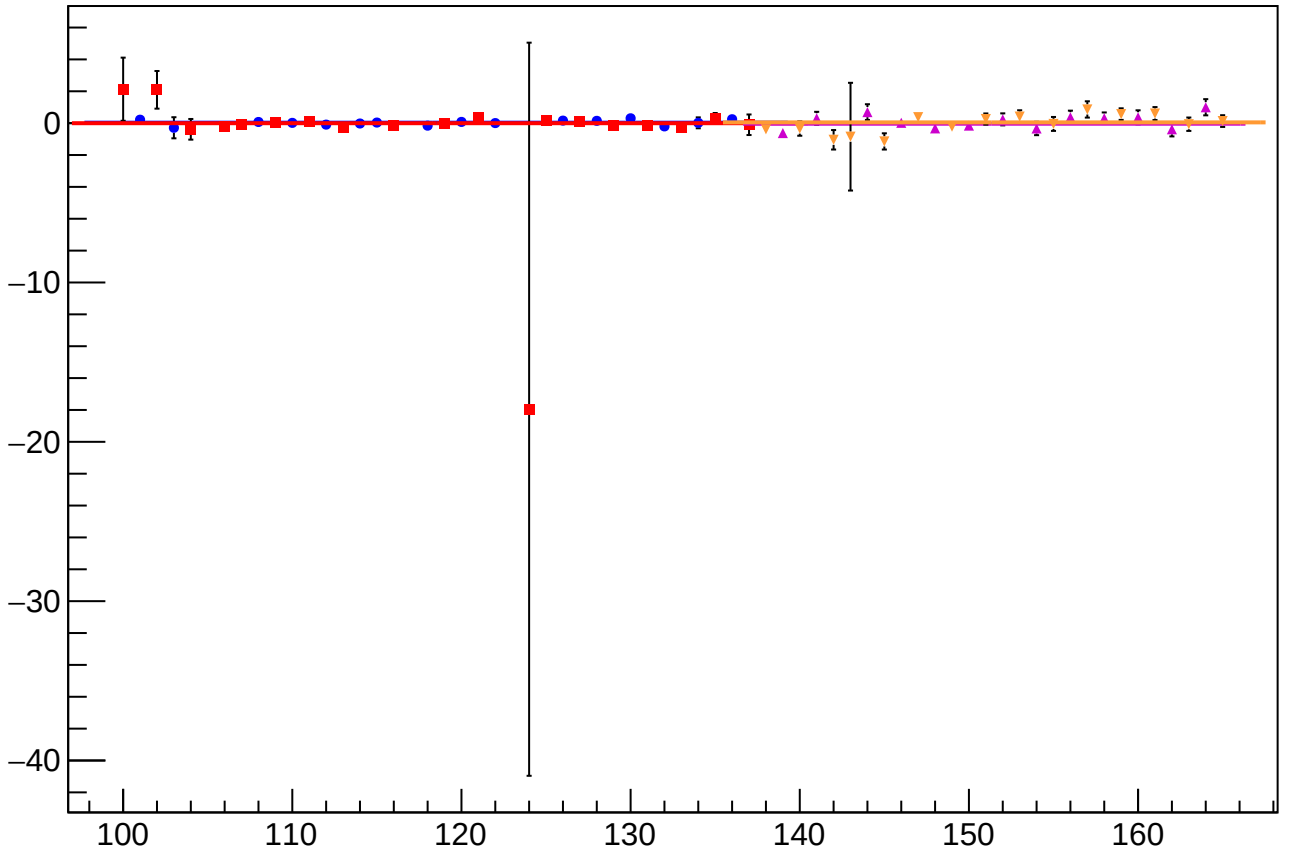
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 316.505+/-0.070 χ^2/NDF:1110163.6/12

+ sign 146.558+/-0.029 χ^2/NDF: 11921989.9/30

All: 141.171+/-0.020 χ^2/NDF: 23527267.8/62

- sign 136.208+/-0.028 χ^2/NDF: 11540245.0/31



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.048+/-0.102 χ^2/NDF:21.5/14

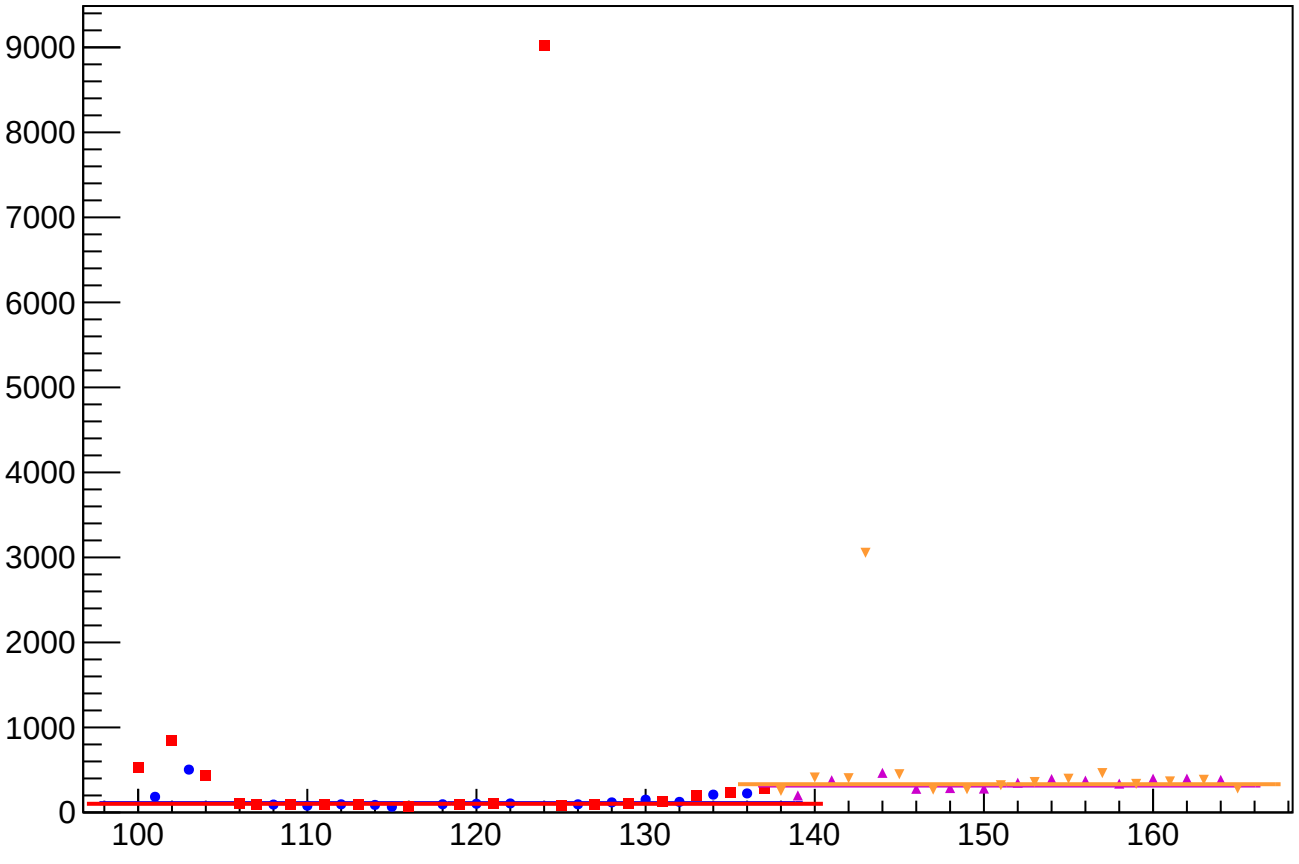
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.035+/-0.099 χ^2/NDF:18.8/12

+ sign 0.031+/-0.041 χ^2/NDF: 30.5/30

All: 0.011+/-0.029 χ^2/NDF: 72.2/62

- sign -0.008+/-0.040 χ^2/NDF: 41.3/31



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 332.189+/-0.072 χ^2/NDF:2072558.1/14

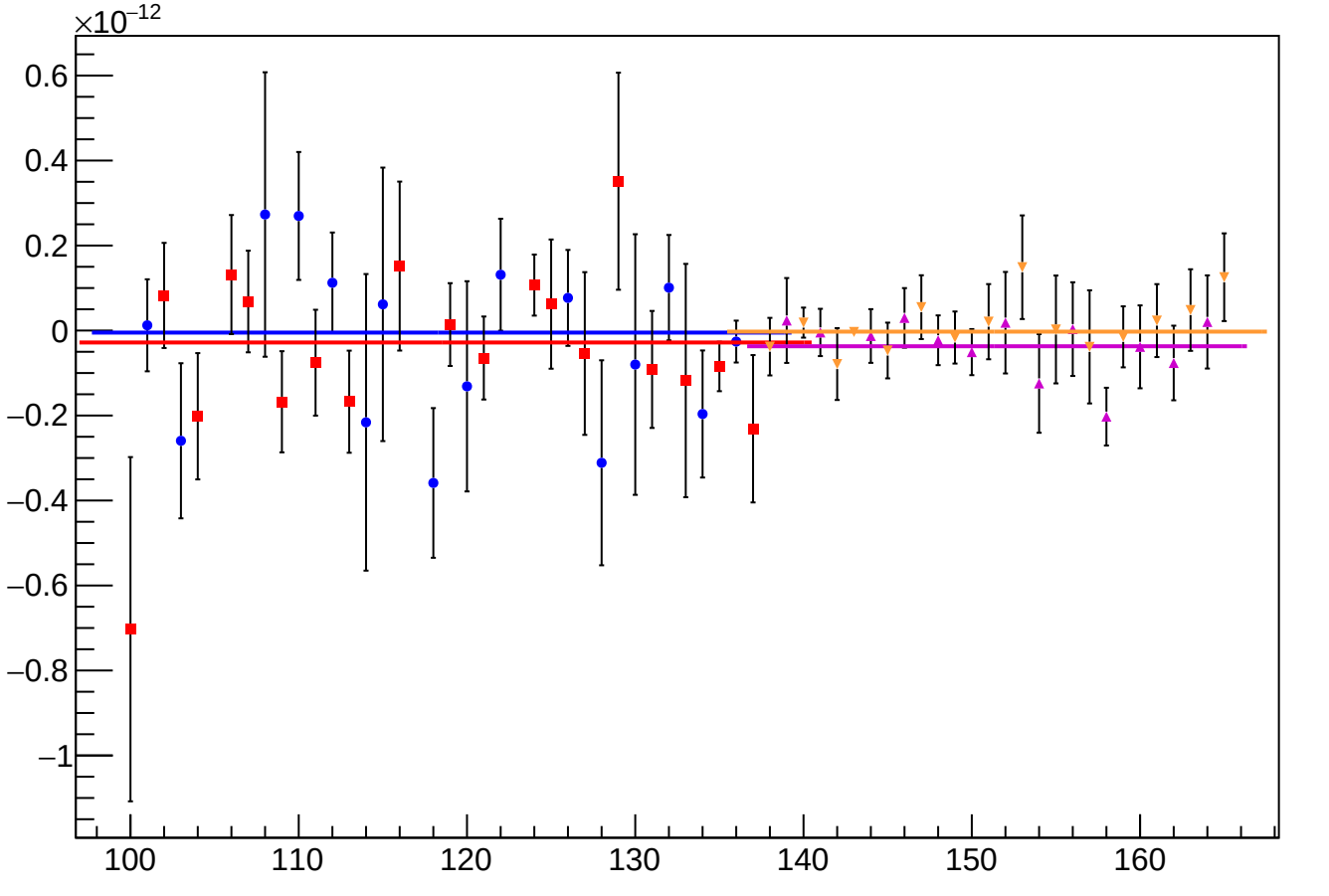
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 316.505+/-0.070 χ^2/NDF:1110163.6/12

+ sign 146.558+/-0.029 χ^2/NDF: 11921989.9/30

All: 141.171+/-0.020 χ^2/NDF: 23527267.8/62

- sign 136.208+/-0.028 χ^2/NDF: 11540245.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/14

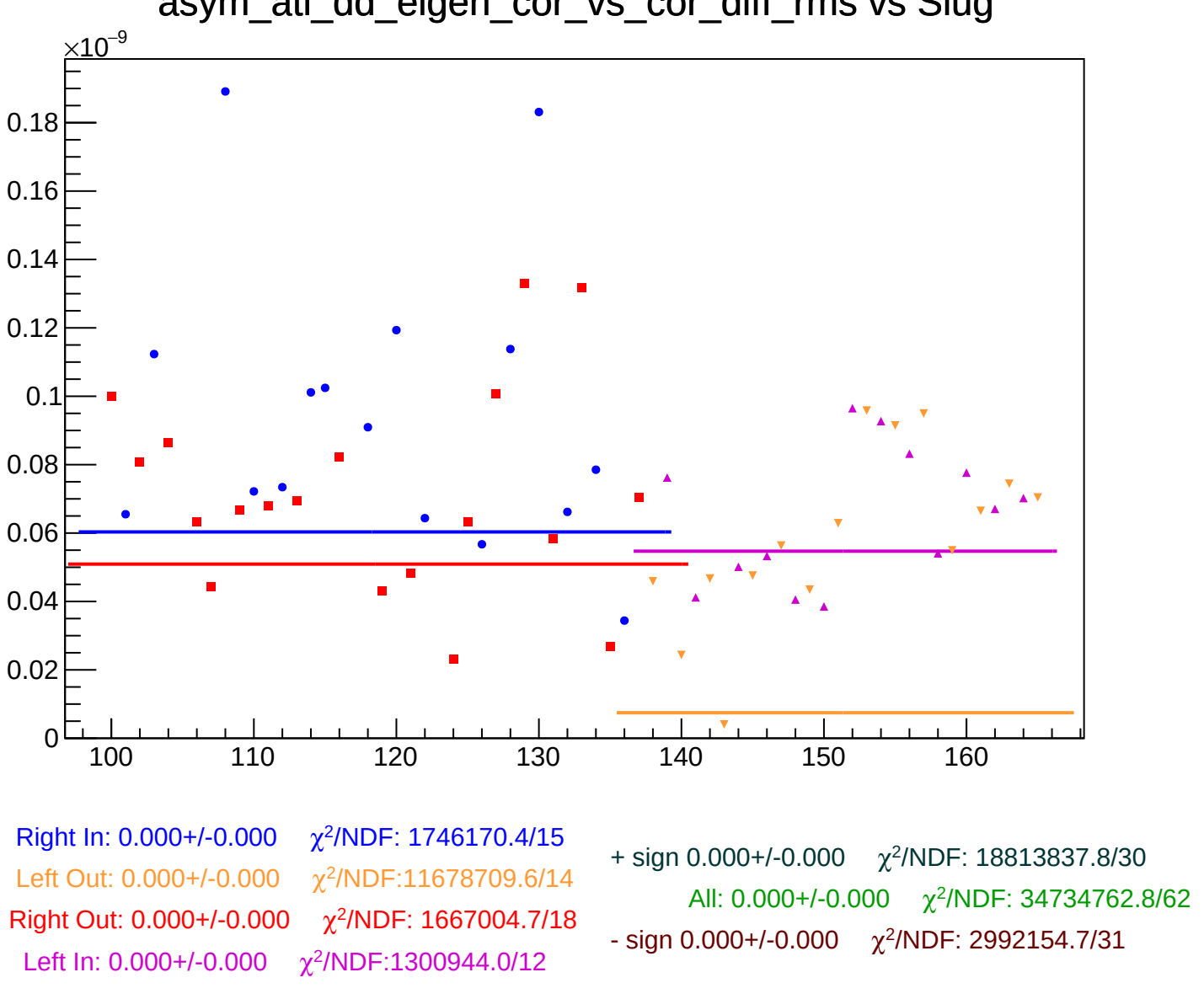
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/12

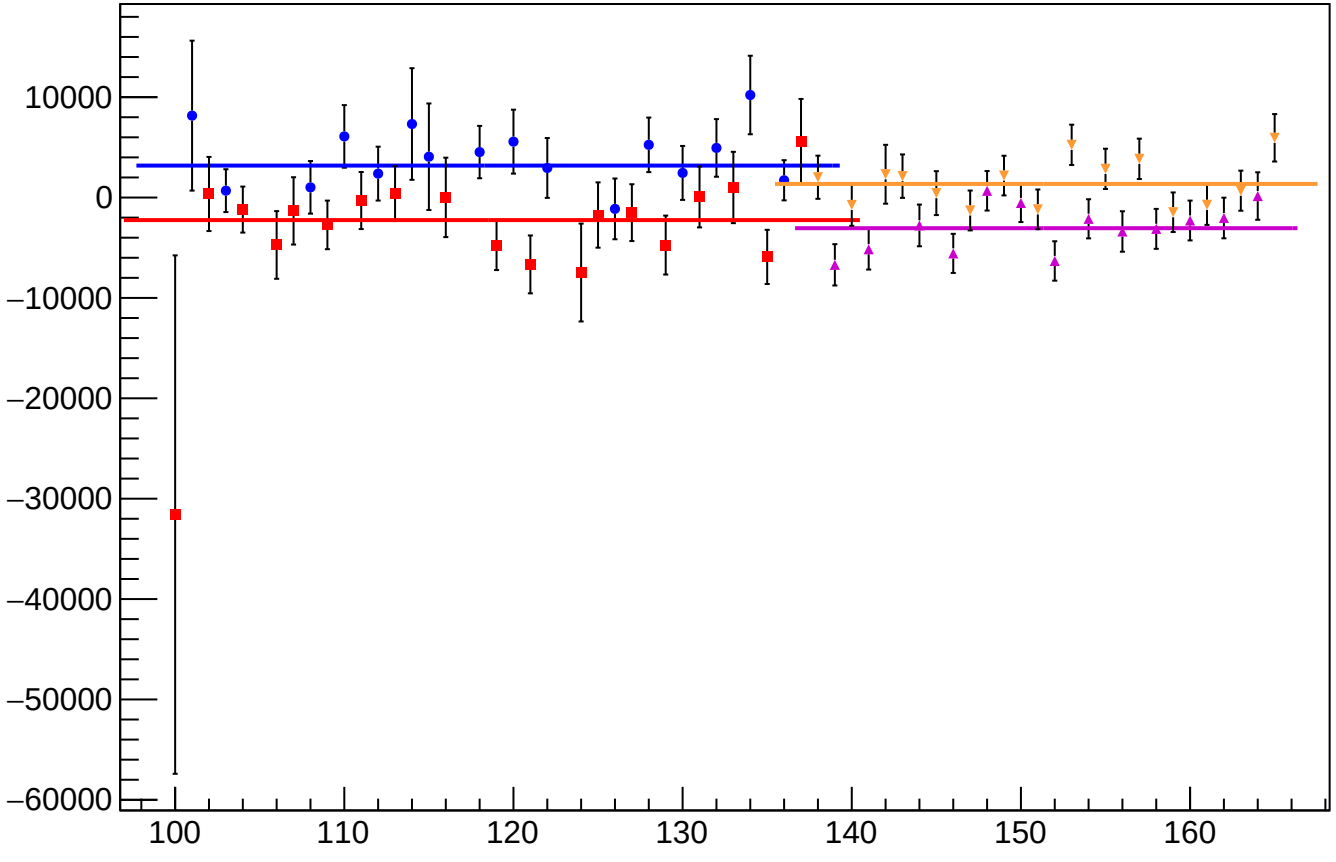
+ sign -0.000+/-0.000 χ^2/NDF: 23.7/30

All: -0.000+/-0.000 χ^2/NDF: 55.8/62

- sign -0.000+/-0.000 χ^2/NDF: 28.9/31


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:11678709.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:1300944.0/12
+ sign 0.000+/-0.000 χ²/NDF: 18813837.8/30
All: 0.000+/-0.000 χ²/NDF: 34734762.8/62
- sign 0.000+/-0.000 χ²/NDF: 2992154.7/31

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1356.893+/-539.672 χ^2/NDF:18.0/14

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

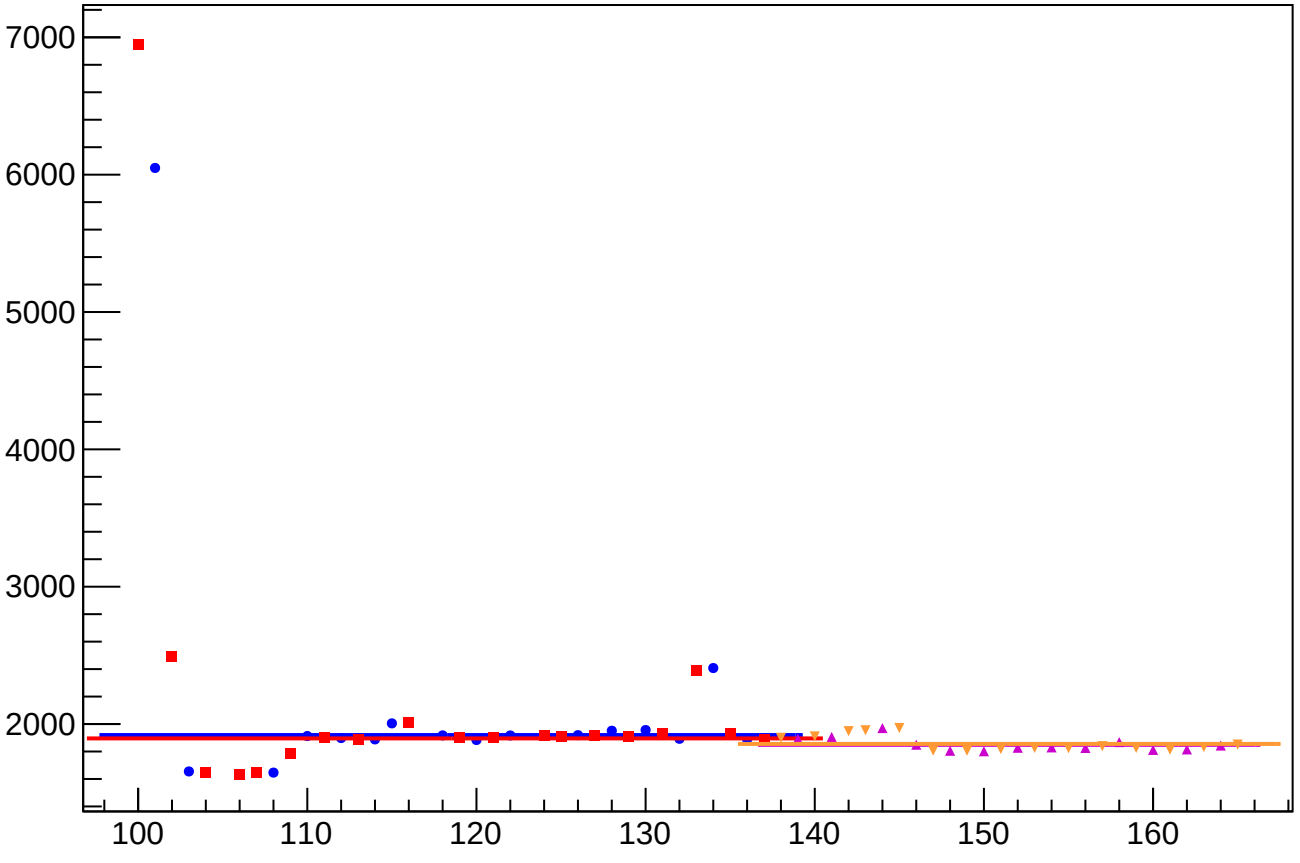
Left In: -3052.922+/-558.268 χ^2/NDF:16.5/12

+ sign 2001.178+/-434.198 χ^2/NDF: 33.7/30

All: -345.517+/-308.732 χ^2/NDF: 126.6/62

- sign -2745.147+/-439.068 χ^2/NDF: 33.8/31

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1855.288+/-0.382 χ^2/NDF:19866.9/14

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

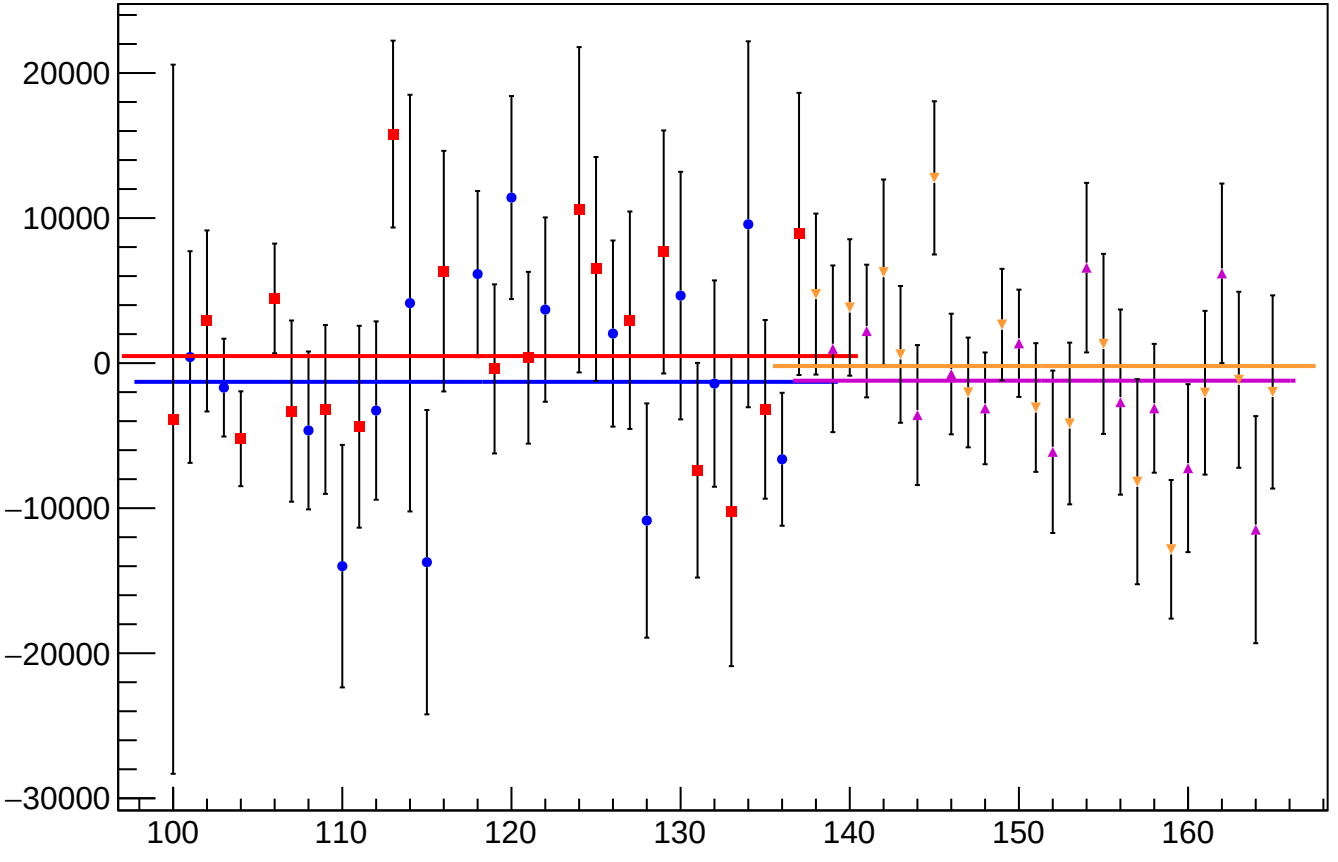
Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

+ sign 1878.050+/-0.307 χ^2/NDF: 727286.3/30

All: 1872.323+/-0.218 χ^2/NDF: 969359.9/62

- sign 1866.483+/-0.310 χ^2/NDF: 241371.0/31

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -203.873+/-1319.594 χ^2/NDF:18.9/14

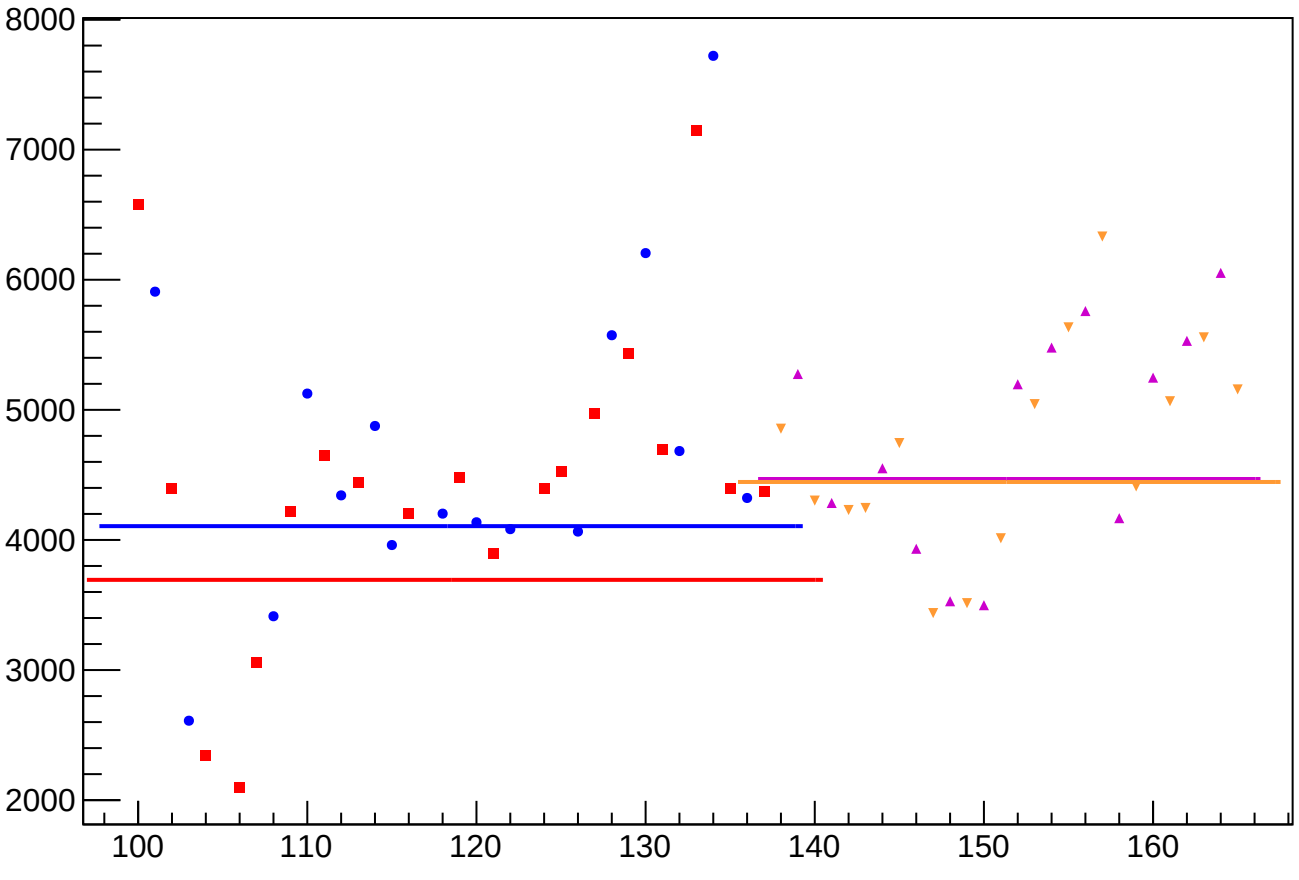
Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: -1212.275+/-1376.031 χ^2/NDF:8.7/12

+ sign -648.573+/-1014.243 χ^2/NDF: 33.4/30

All: -522.077+/-709.917 χ^2/NDF: 60.1/62

- sign -400.578+/-994.010 χ^2/NDF: 26.7/31



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4445.630+/-0.933 χ^2/NDF:656225.1/14

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

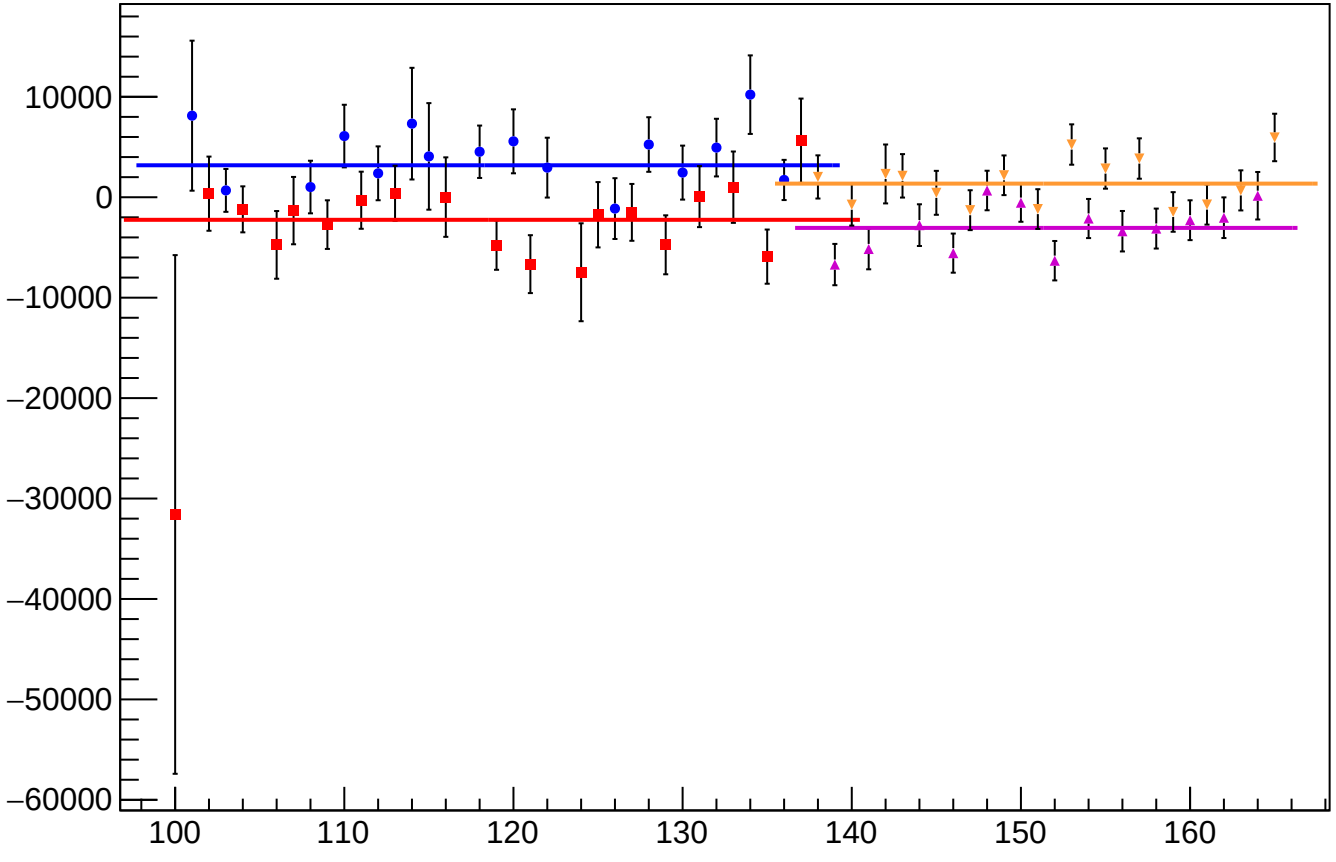
Left In: 4468.460+/-0.973 χ^2/NDF:694805.7/12

+ sign 4306.694+/-0.717 χ^2/NDF: 1666529.2/30

All: 4200.133+/-0.502 χ^2/NDF: 4064775.9/62

- sign 4097.782+/-0.703 χ^2/NDF: 2354964.7/31

cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1356.789+/-539.672 χ^2/NDF:18.0/14

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

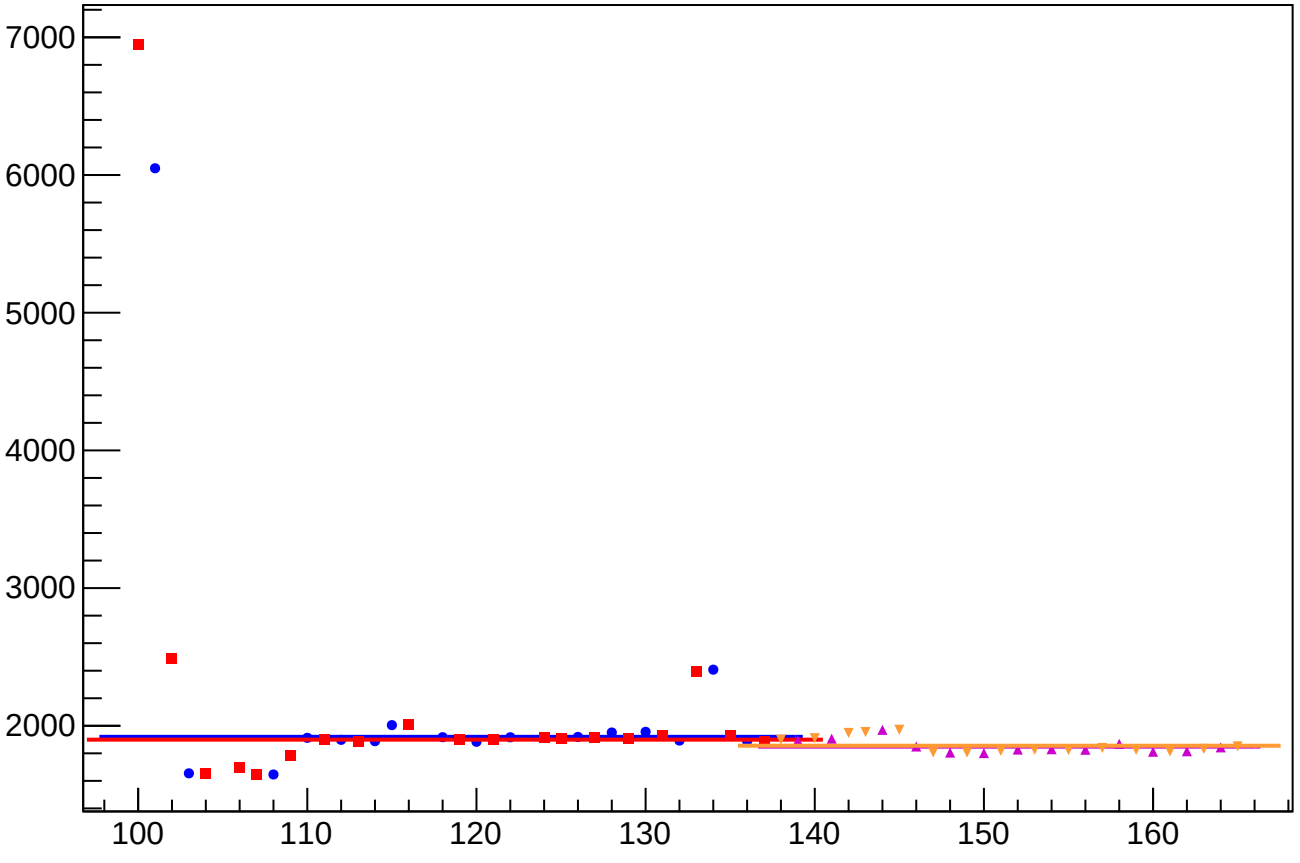
Left In: -3052.951+/-558.268 χ^2/NDF:16.5/12

+ sign 2000.852+/-434.198 χ^2/NDF: 33.7/30

All: -345.901+/-308.732 χ^2/NDF: 126.6/62

- sign -2745.600+/-439.069 χ^2/NDF: 33.8/31

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.288+/-0.382 χ^2/NDF:19866.9/14

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

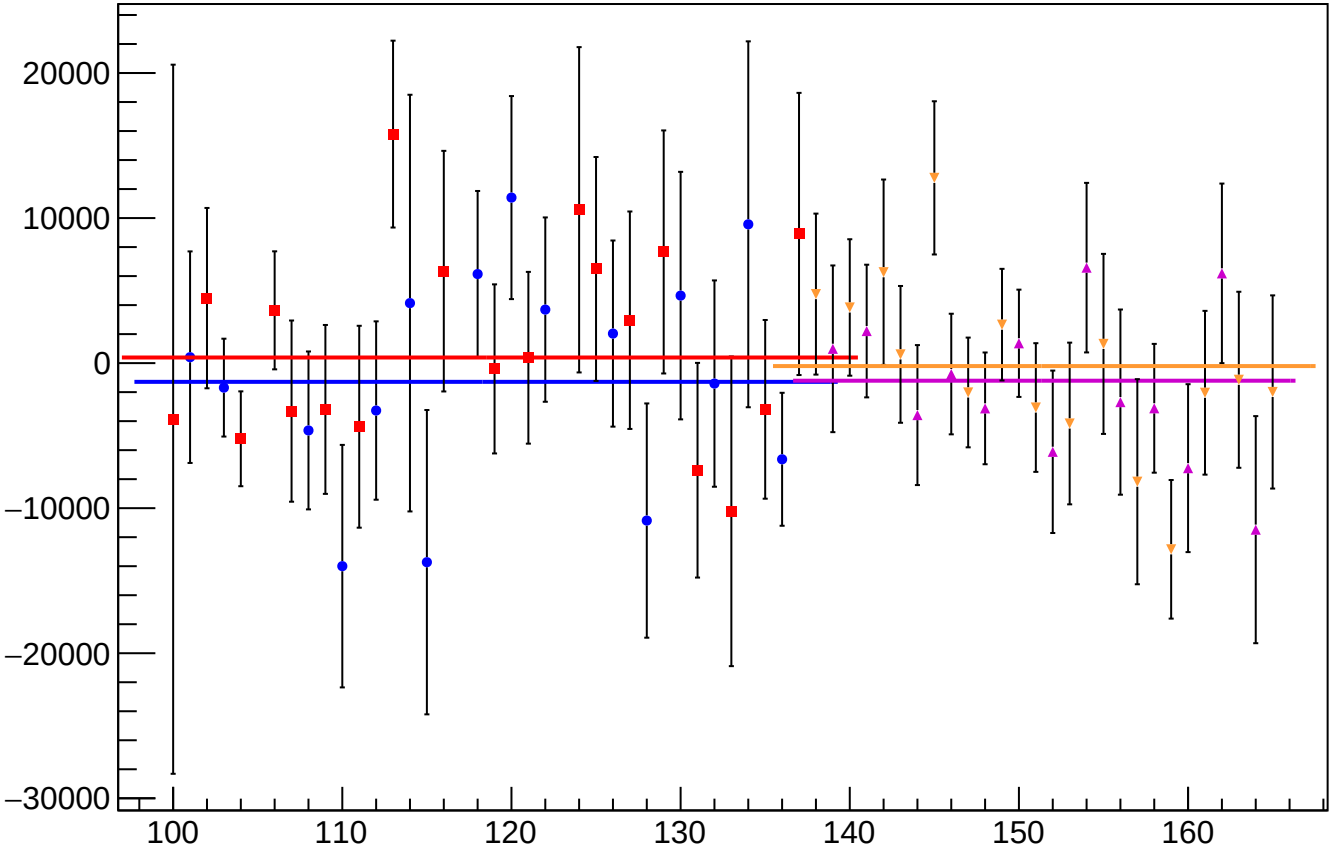
Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

+ sign 1878.050+/-0.307 χ^2/NDF: 727285.5/30

All: 1873.064+/-0.218 χ^2/NDF: 963515.5/62

- sign 1867.971+/-0.310 χ^2/NDF: 235696.9/31

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -203.872+/-1319.591 χ^2/NDF:18.9/14

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

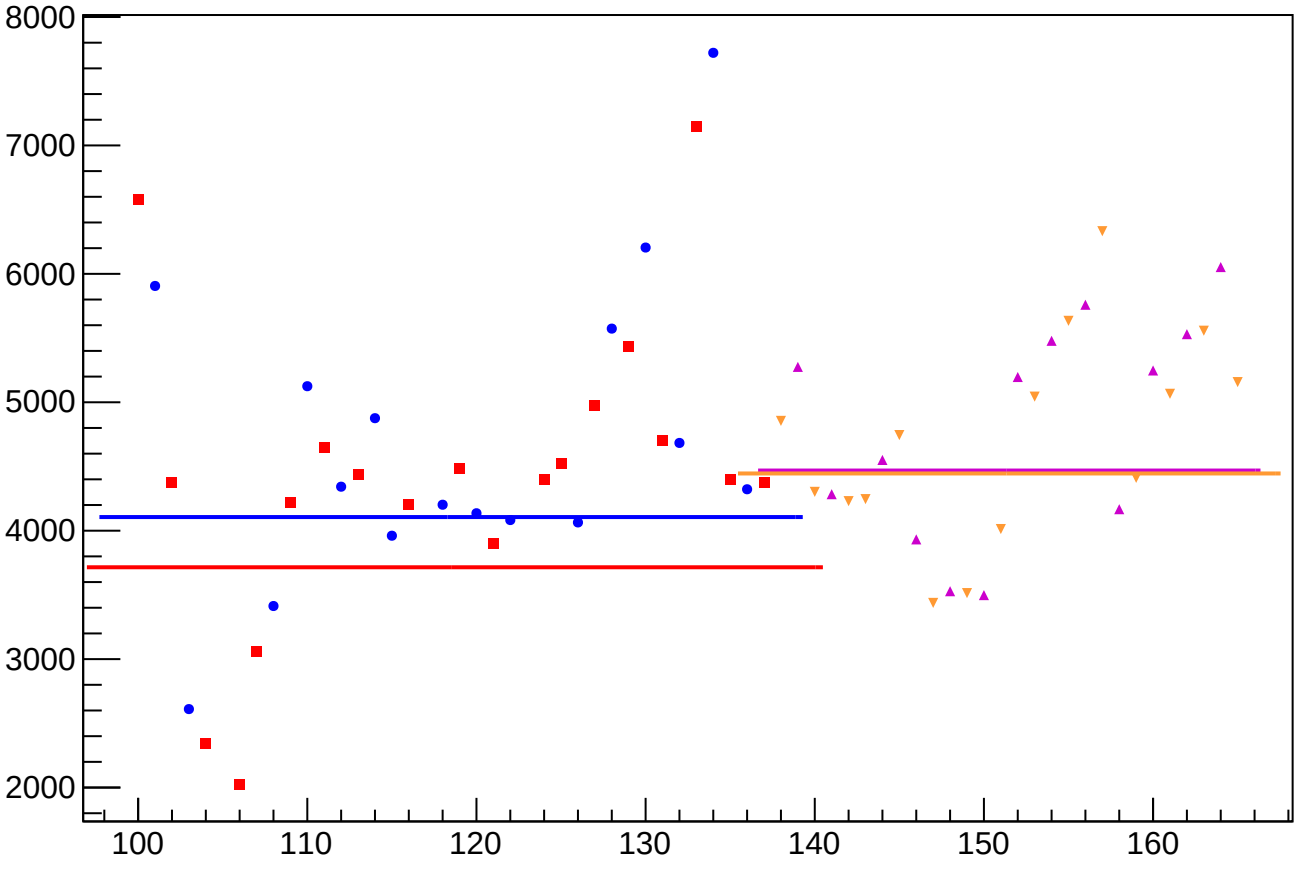
Left In: -1212.317+/-1376.032 χ^2/NDF:8.7/12

+ sign -648.721+/-1014.243 χ^2/NDF: 33.4/30

All: -550.375+/-711.592 χ^2/NDF: 59.8/62

- sign -455.035+/-998.626 χ^2/NDF: 26.4/31

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4445.619+/-0.933 χ^2/NDF:656241.5/14

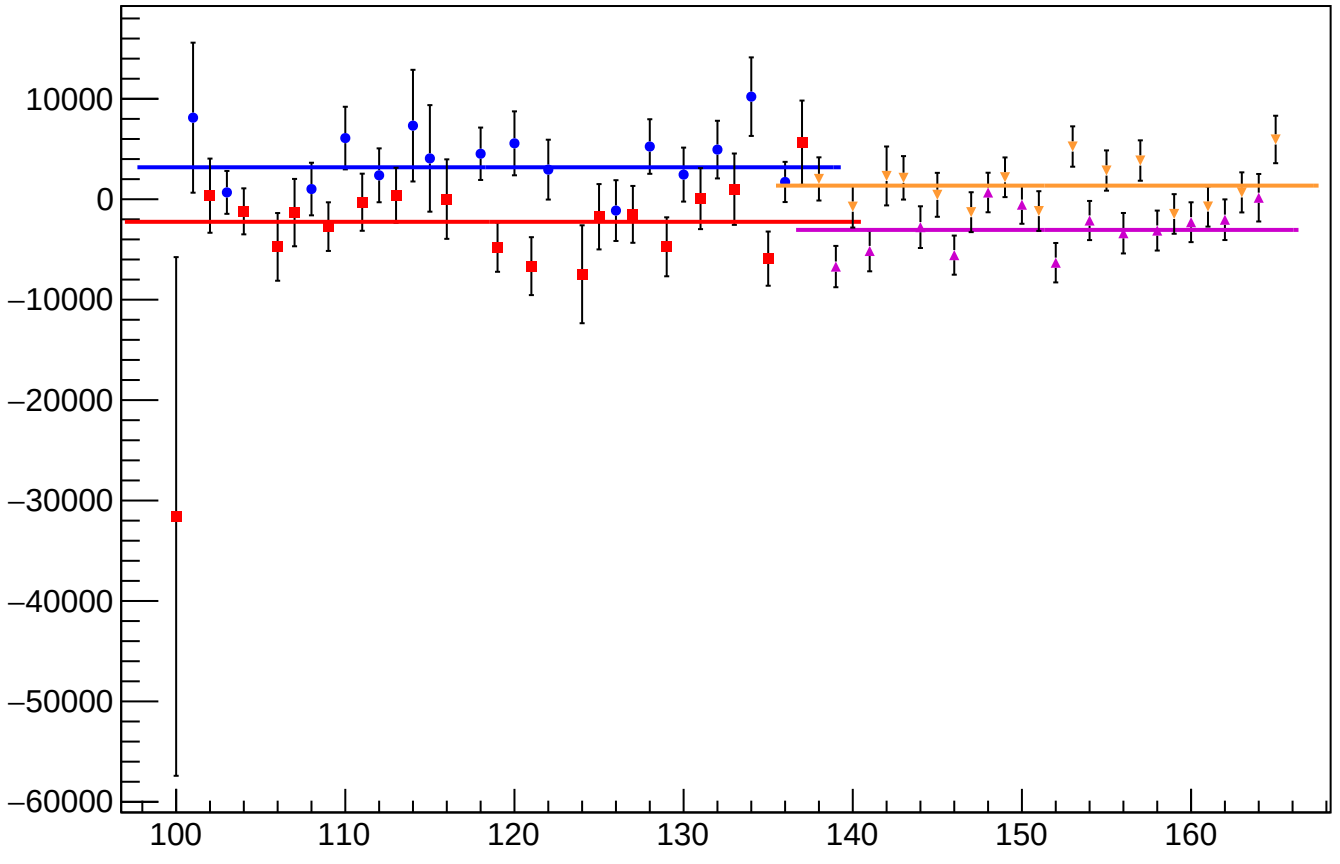
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4468.465+/-0.973 χ^2/NDF:694799.6/12

+ sign 4306.726+/-0.717 χ^2/NDF: 1666013.3/30

All: 4207.818+/-0.503 χ^2/NDF: 4017046.0/62

- sign 4111.932+/-0.706 χ^2/NDF: 2313573.8/31



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1356.789+/-539.672 χ^2/NDF:18.0/14

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

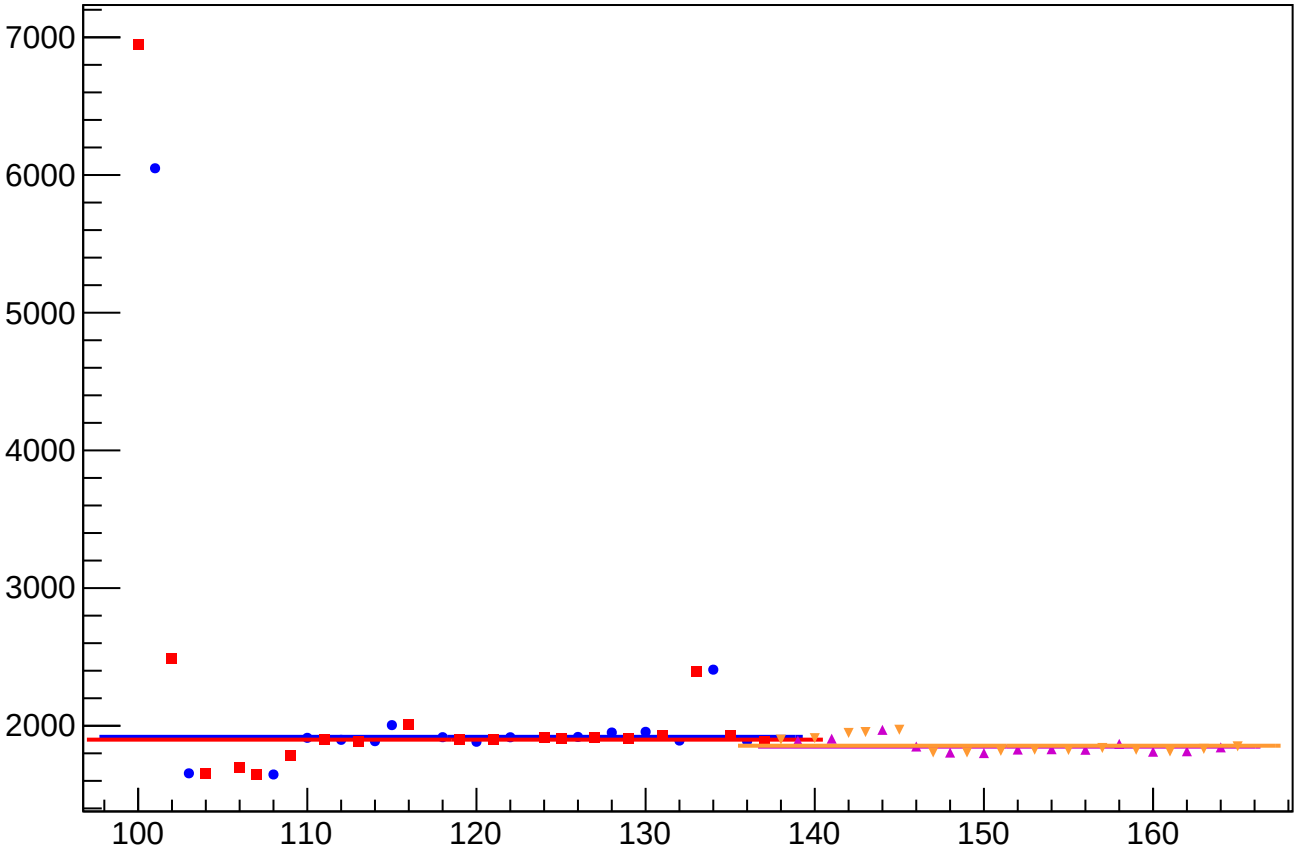
Left In: -3052.951+/-558.268 χ^2/NDF:16.5/12

+ sign 2000.852+/-434.198 χ^2/NDF: 33.7/30

All: -345.901+/-308.732 χ^2/NDF: 126.6/62

- sign -2745.600+/-439.069 χ^2/NDF: 33.8/31

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.288+/-0.382 χ^2/NDF:19866.9/14

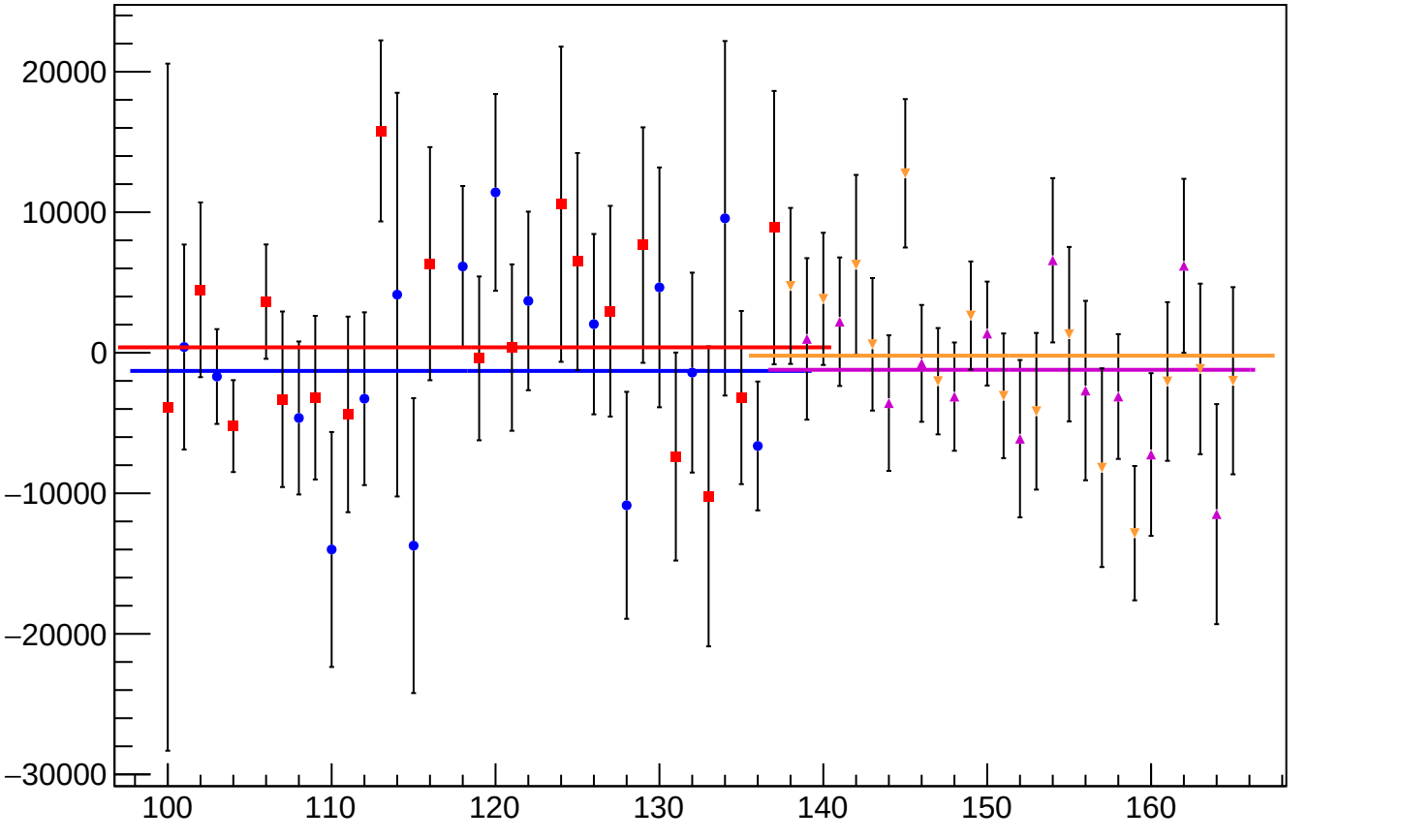
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

+ sign 1878.050+/-0.307 χ^2/NDF: 727285.5/30

All: 1873.064+/-0.218 χ^2/NDF: 963515.5/62

- sign 1867.971+/-0.310 χ^2/NDF: 235696.9/31



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -203.872+/-1319.591 χ^2/NDF:18.9/14

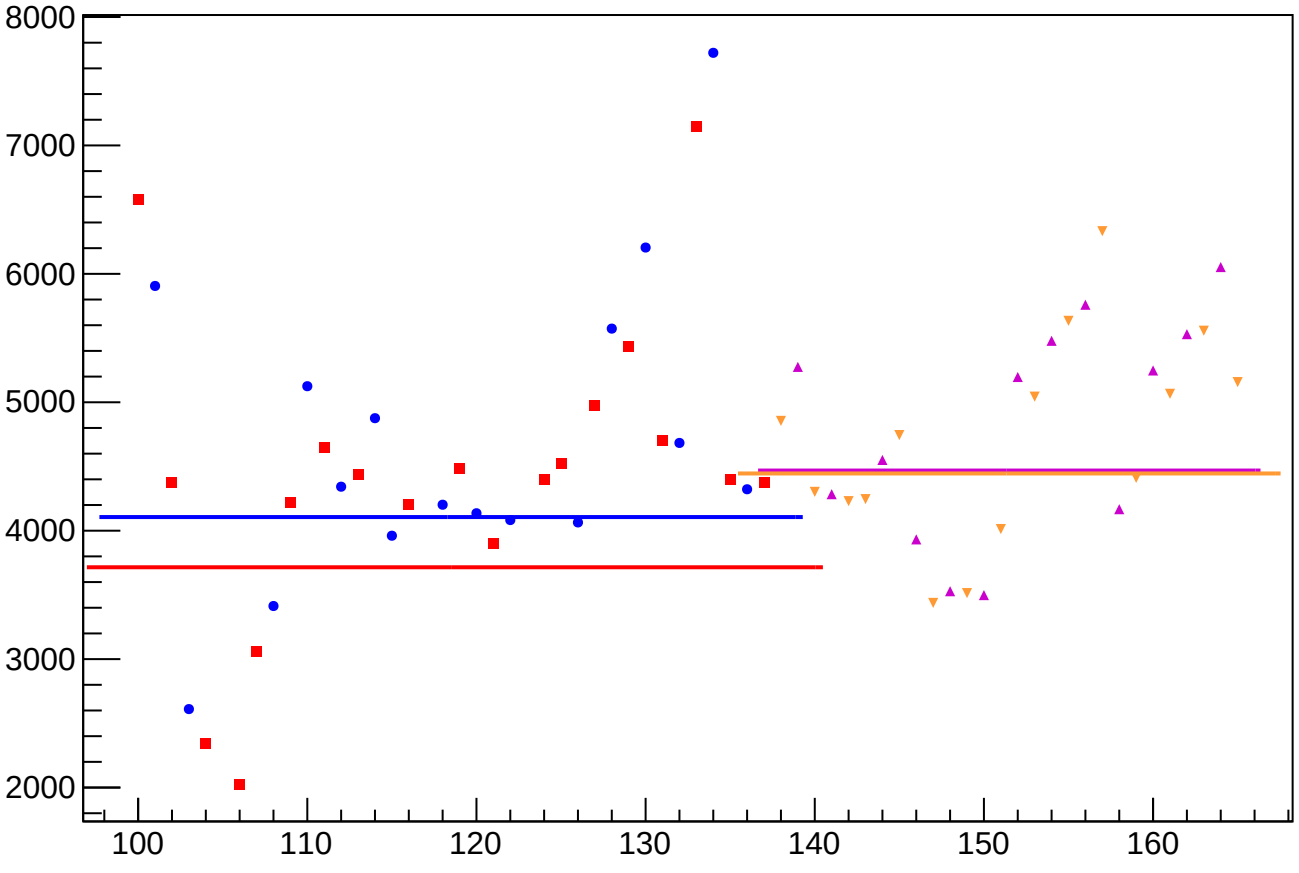
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1212.317+/-1376.032 χ^2/NDF:8.7/12

+ sign -648.721+/-1014.243 χ^2/NDF: 33.4/30

All: -550.375+/-711.592 χ^2/NDF: 59.8/62

- sign -455.035+/-998.626 χ^2/NDF: 26.4/31



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4445.619+/-0.933 χ^2/NDF:656241.5/14

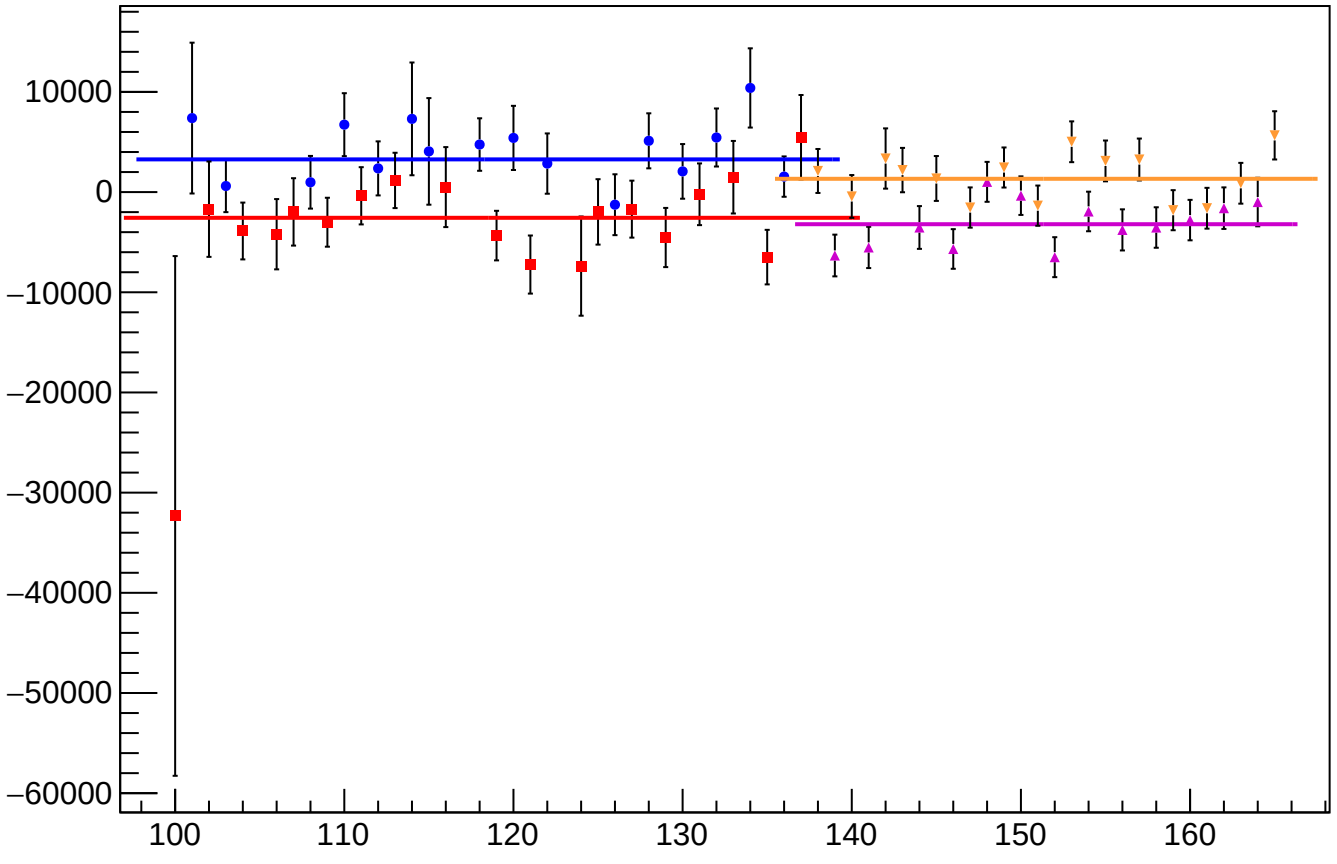
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4468.465+/-0.973 χ^2/NDF:694799.6/12

+ sign 4306.726+/-0.717 χ^2/NDF: 1666013.3/30

All: 4207.818+/-0.503 χ^2/NDF: 4017046.0/62

- sign 4111.932+/-0.706 χ^2/NDF: 2313573.8/31



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1326.496+/-550.316 χ^2/NDF:18.3/14

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

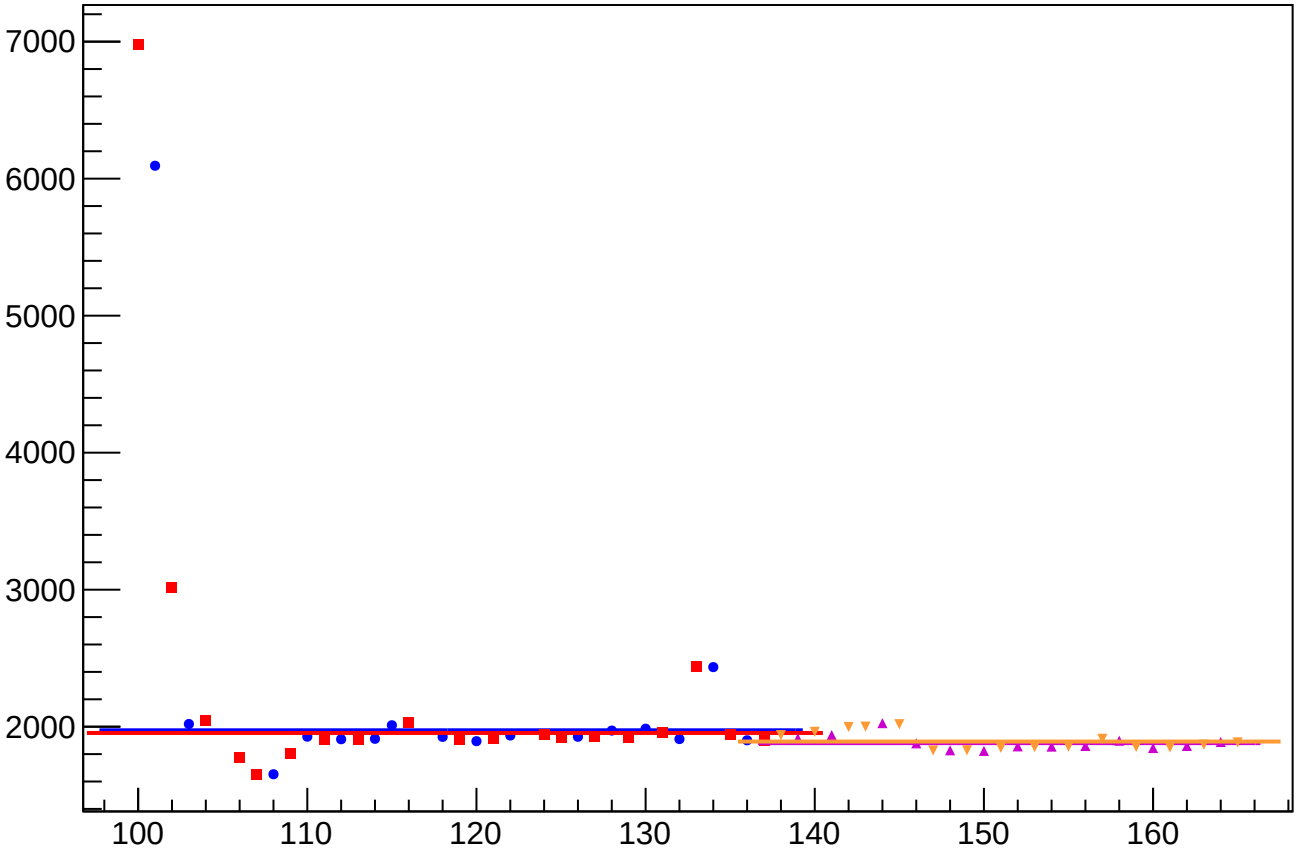
Left In: -3206.400+/-567.890 χ^2/NDF:16.5/12

+ sign 2003.776+/-443.867 χ^2/NDF: 34.8/30

All: -451.186+/-315.783 χ^2/NDF: 130.7/62

- sign -2967.213+/-449.354 χ^2/NDF: 34.0/31

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.567+/-0.389 χ^2/NDF:25600.9/14

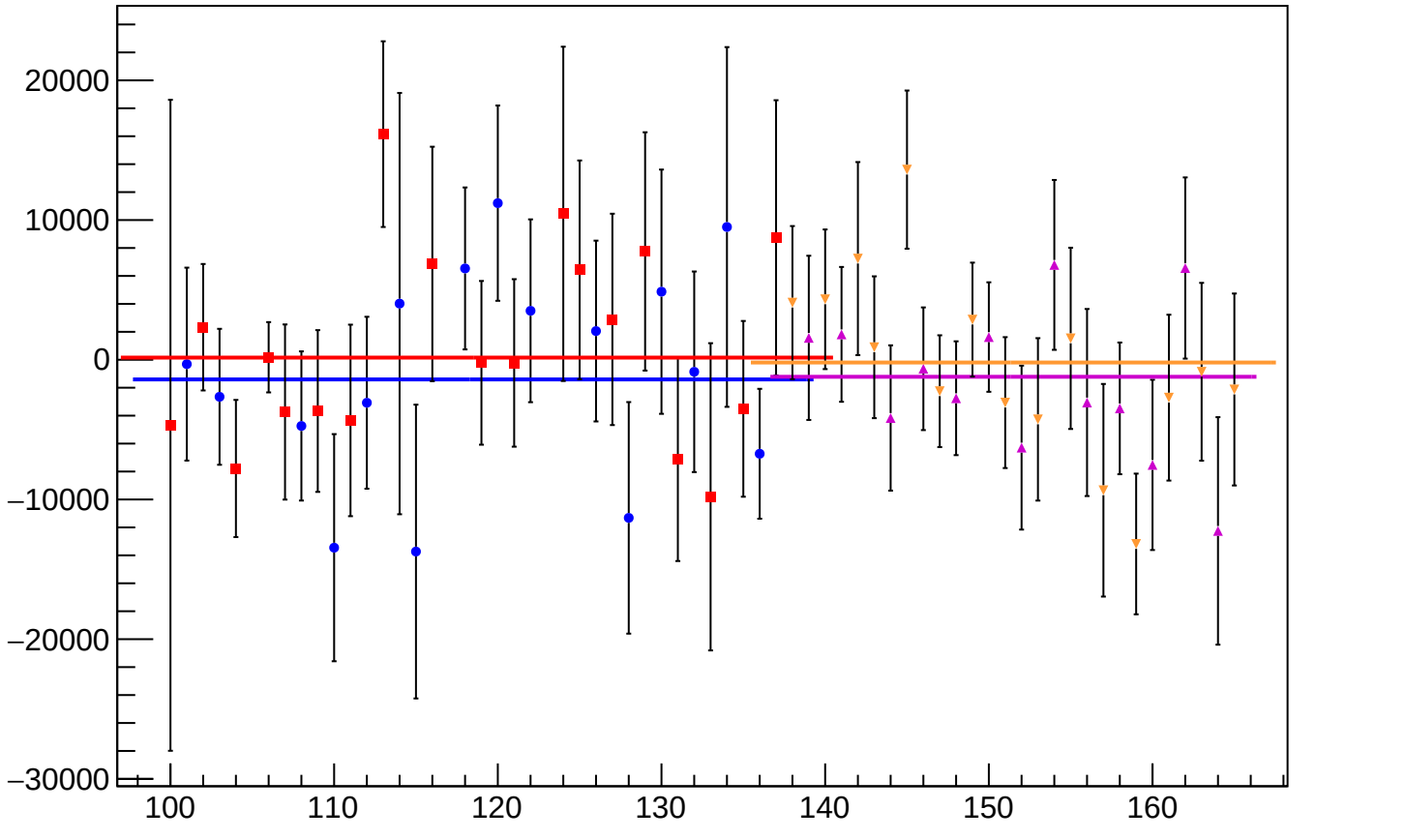
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.241+/-0.402 χ^2/NDF:16473.7/12

+ sign 1920.285+/-0.314 χ^2/NDF: 706311.1/30

All: 1914.204+/-0.223 χ^2/NDF: 982500.8/62

- sign 1907.976+/-0.318 χ^2/NDF: 275429.9/31



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -196.497+/-1391.193 χ^2/NDF:18.7/14

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

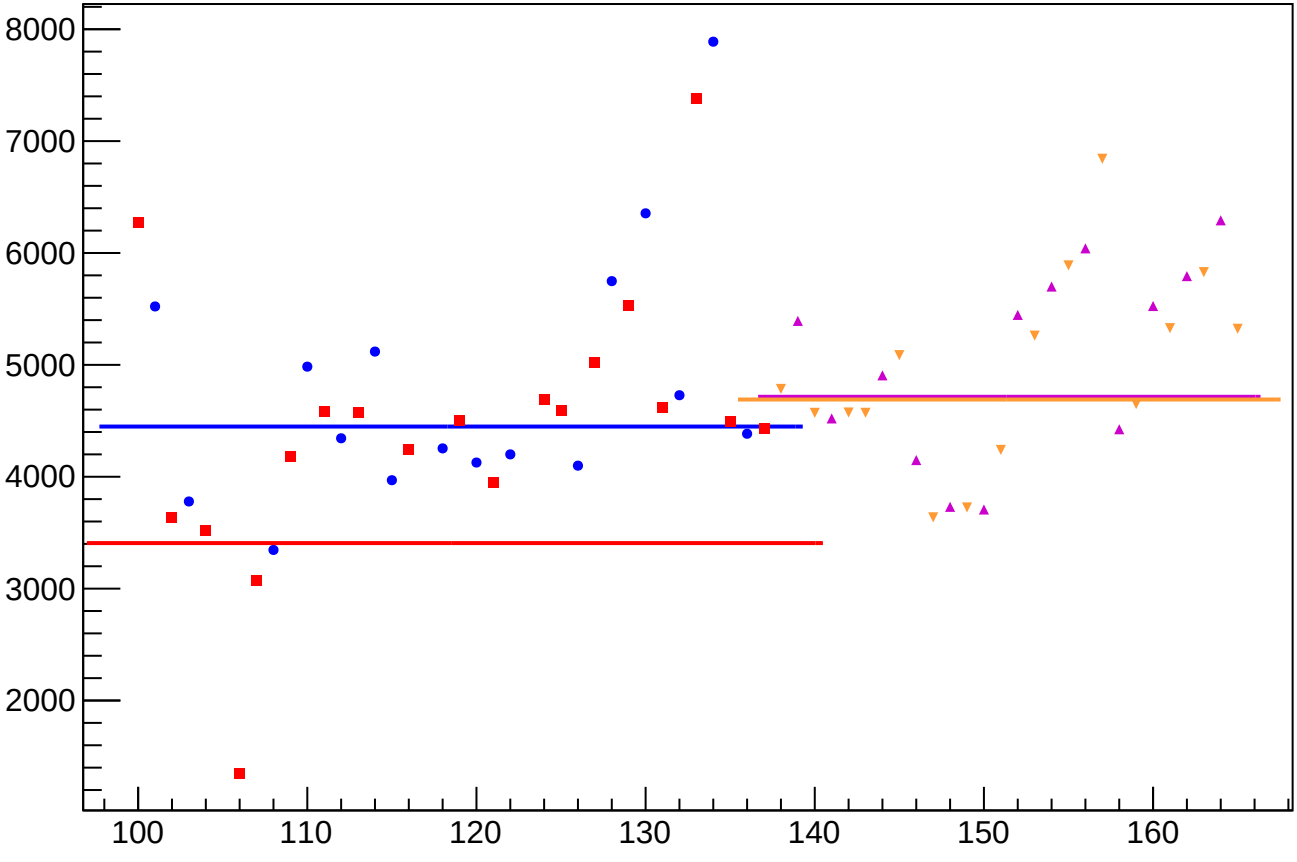
Left In: -1218.311+/-1450.353 χ^2/NDF:8.8/12

+ sign -685.608+/-1074.079 χ^2/NDF: 33.2/30

All: -579.778+/-729.328 χ^2/NDF: 58.3/62

- sign -489.235+/-993.481 χ^2/NDF: 25.1/31

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4690.357+/-0.984 χ^2/NDF:633721.8/14

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

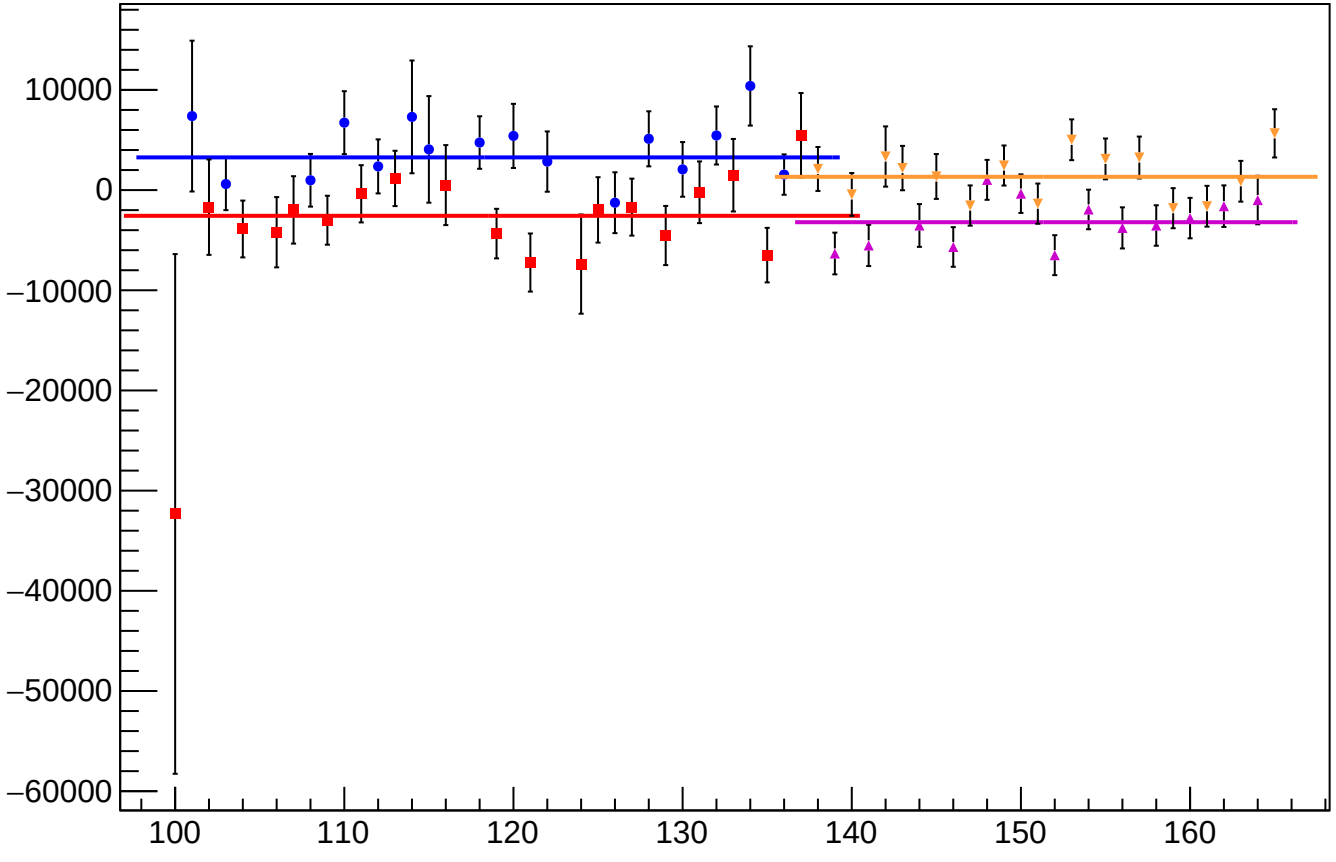
Left In: 4714.660+/-1.026 χ^2/NDF:650187.4/12

+ sign 4592.749+/-0.759 χ^2/NDF: 1152708.8/30

All: 4284.427+/-0.516 χ^2/NDF: 5297549.6/62

- sign 4020.642+/-0.702 χ^2/NDF: 3839039.9/31

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1326.486+/-550.316 χ^2/NDF:18.3/14

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

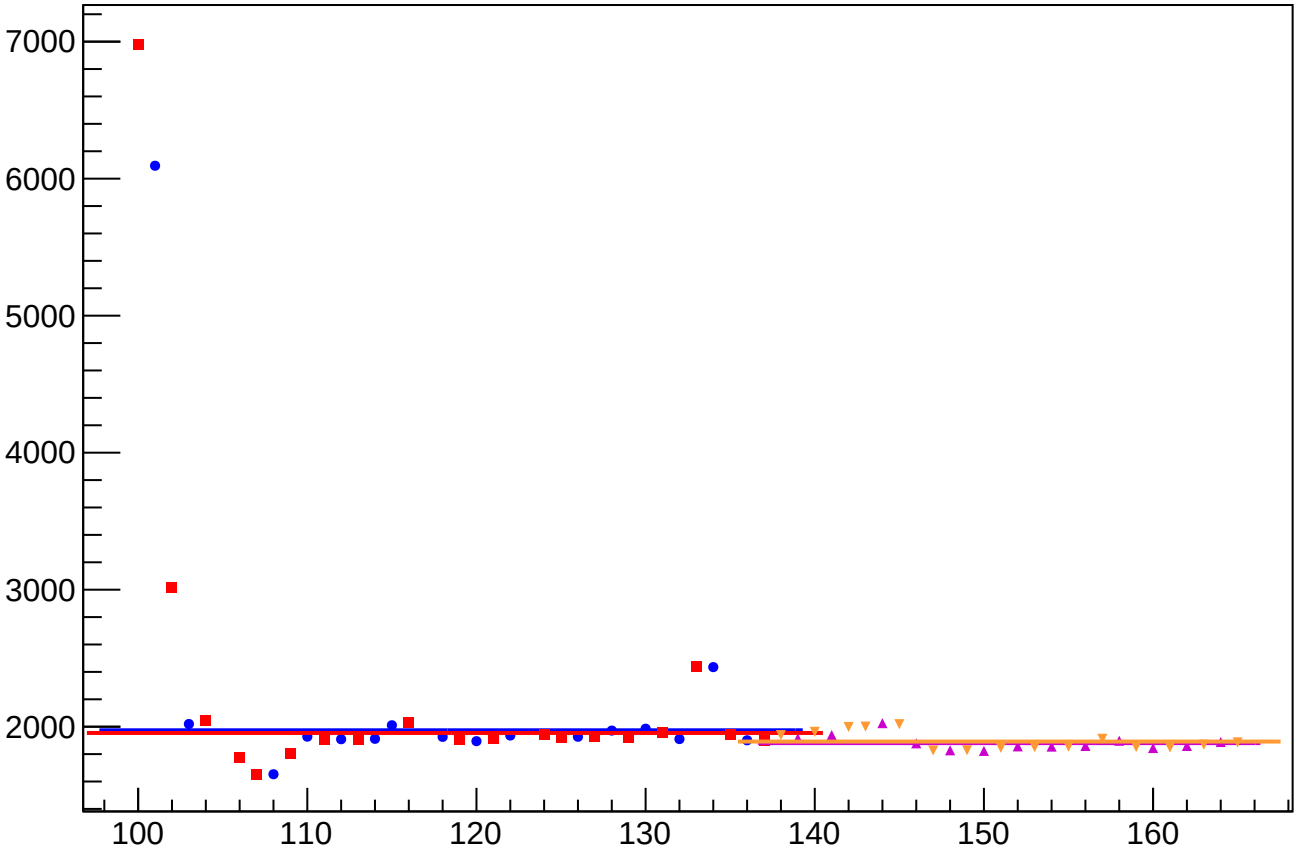
Left In: -3206.403+/-567.891 χ^2/NDF:16.5/12

+ sign 2003.771+/-443.867 χ^2/NDF: 34.8/30

All: -451.190+/-315.783 χ^2/NDF: 130.7/62

- sign -2967.217+/-449.354 χ^2/NDF: 34.0/31

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.568+/-0.389 χ^2/NDF:25601.0/14

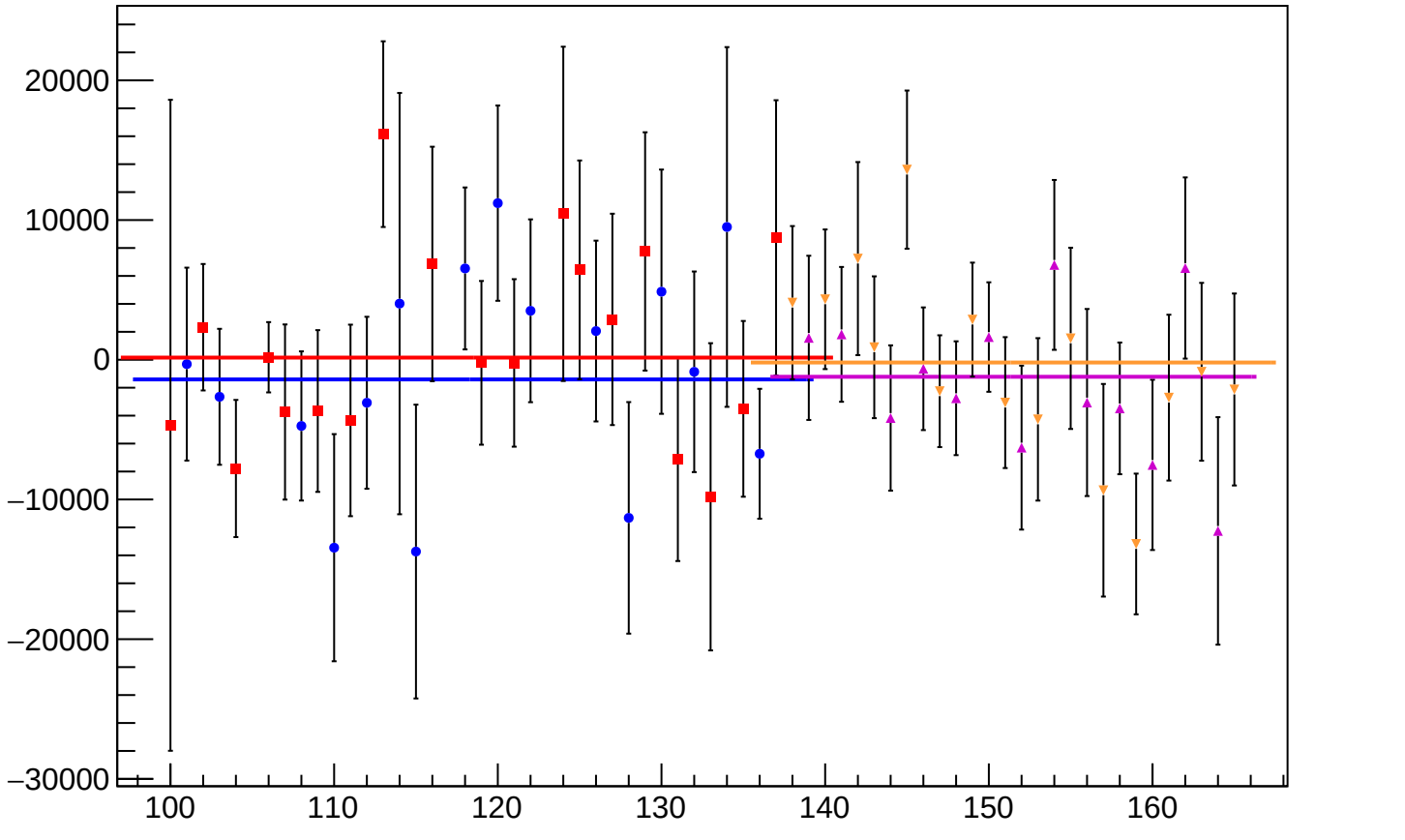
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.242+/-0.402 χ^2/NDF:16473.6/12

+ sign 1920.285+/-0.314 χ^2/NDF: 706310.6/30

All: 1914.205+/-0.223 χ^2/NDF: 982499.4/62

- sign 1907.977+/-0.318 χ^2/NDF: 275429.0/31



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -196.502+/-1391.195 χ^2/NDF:18.7/14

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

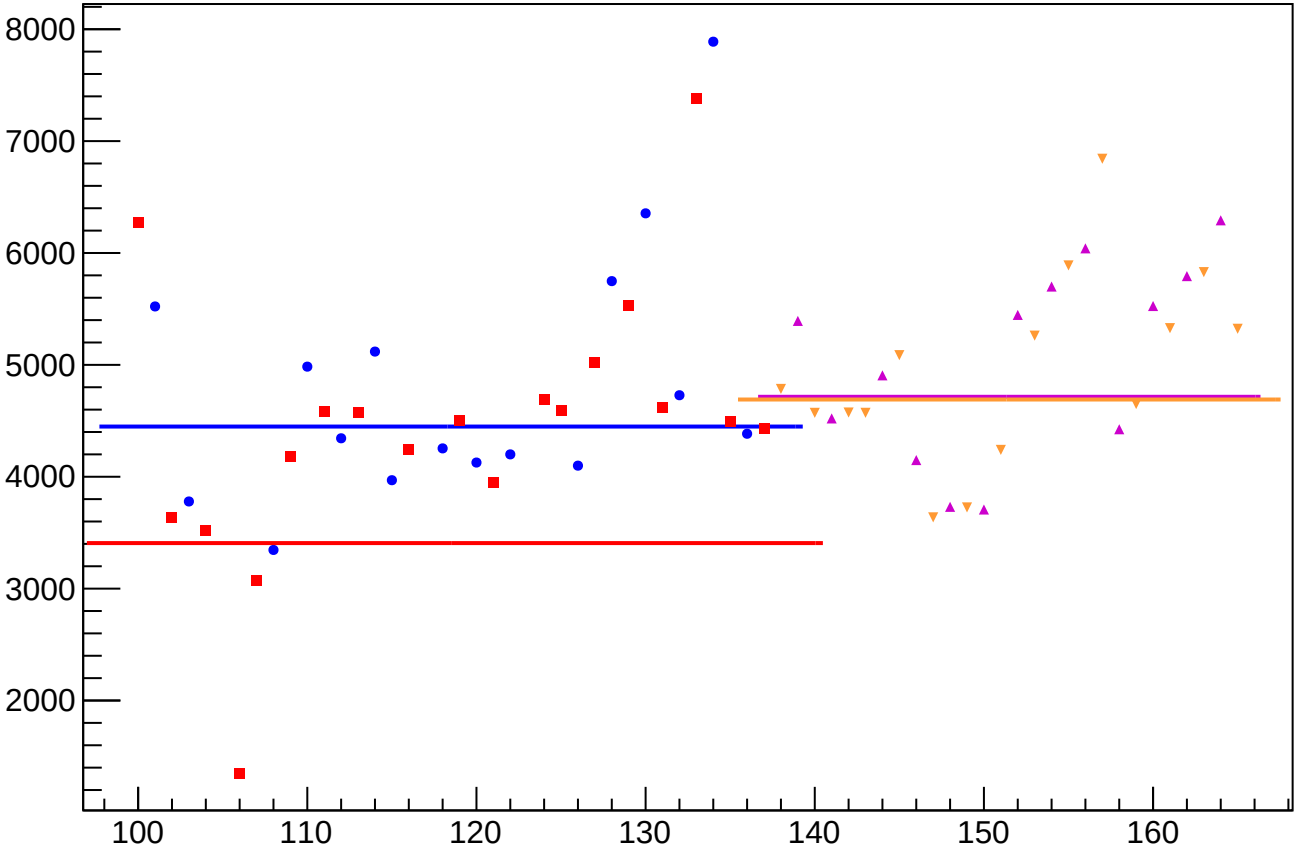
Left In: -1218.309+/-1450.355 χ^2/NDF:8.8/12

+ sign -685.606+/-1074.079 χ^2/NDF: 33.2/30

All: -579.774+/-729.328 χ^2/NDF: 58.3/62

- sign -489.230+/-993.481 χ^2/NDF: 25.1/31

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4690.364+/-0.984 χ^2/NDF:633722.2/14

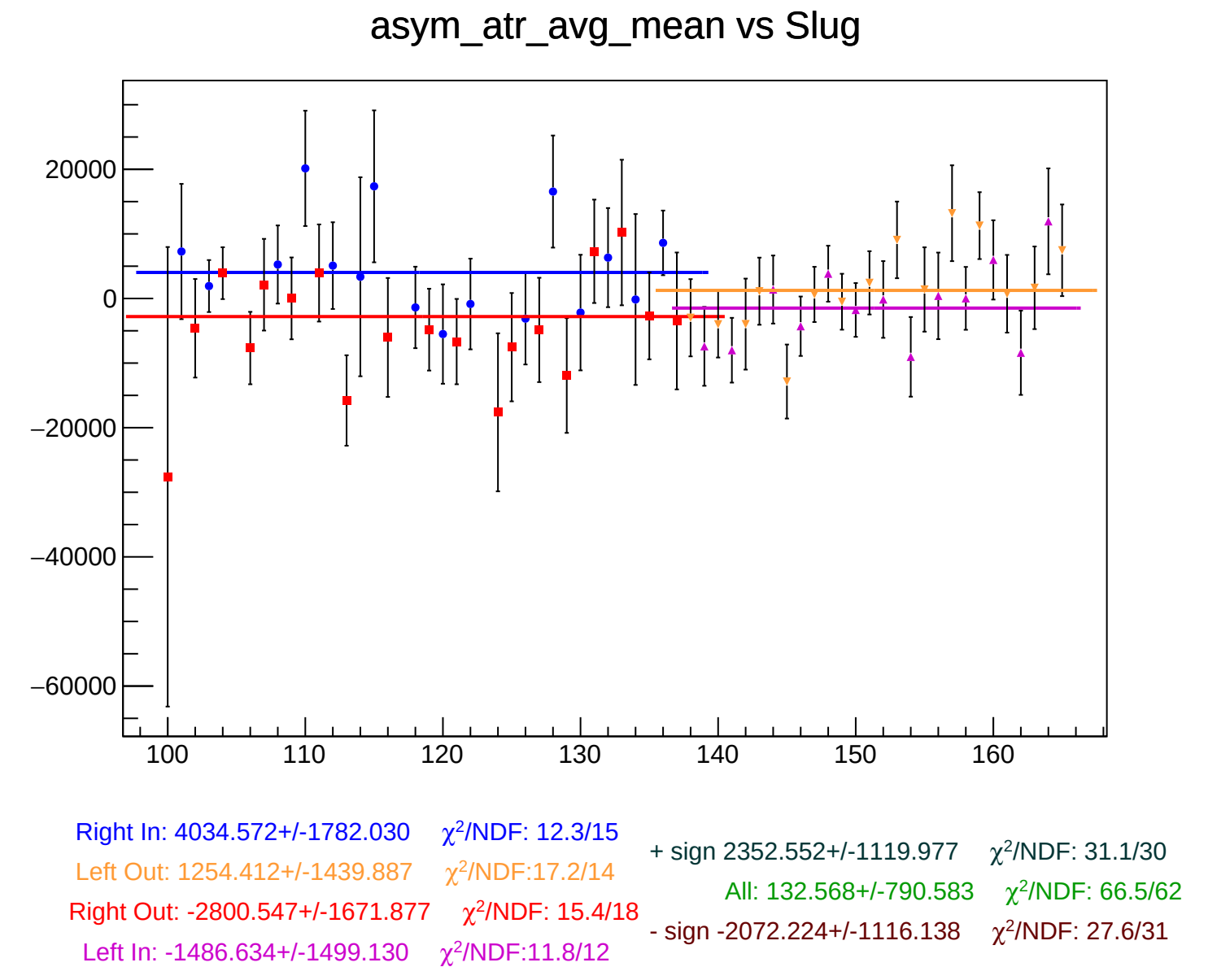
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4714.667+/-1.026 χ^2/NDF:650186.7/12

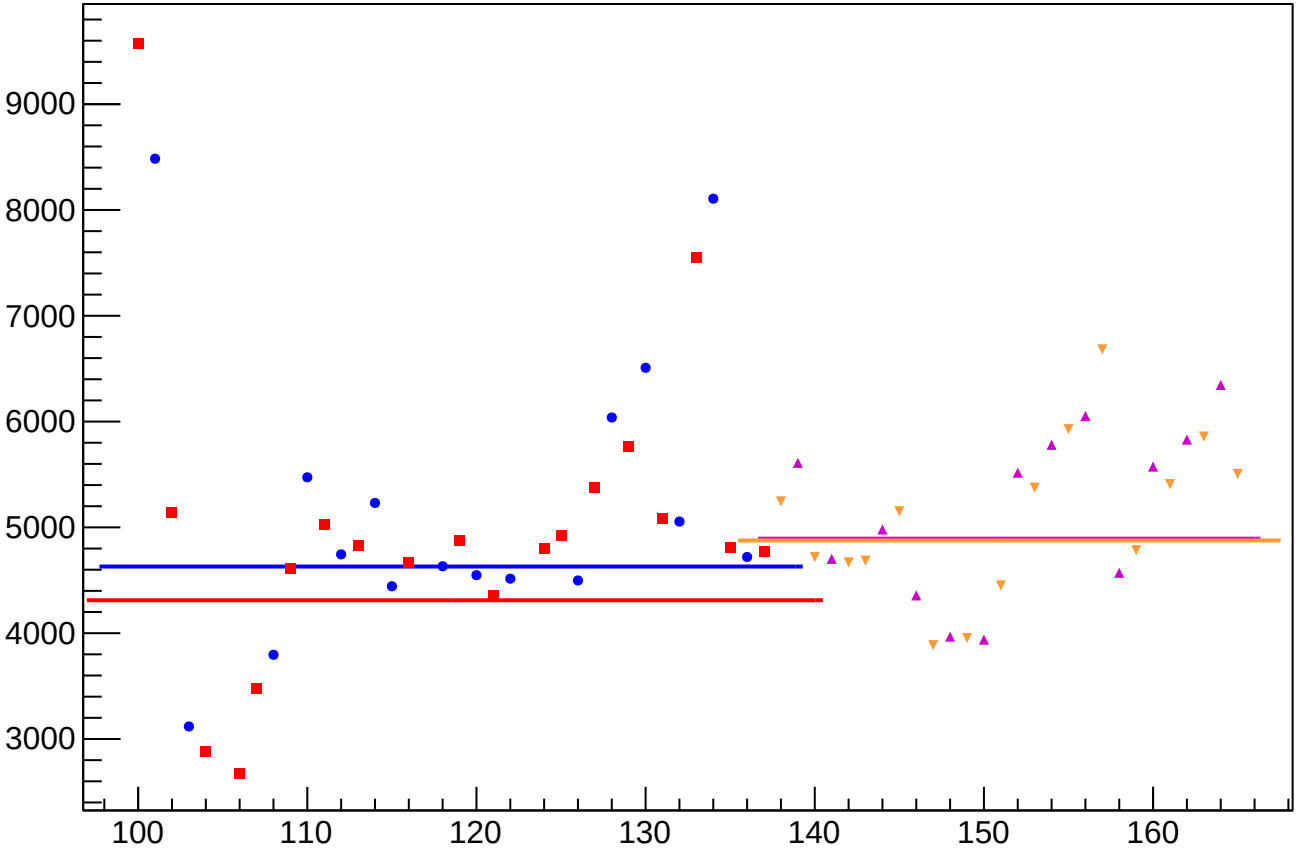
+ sign 4592.750+/-0.759 χ^2/NDF: 1152709.3/30

All: 4284.426+/-0.516 χ^2/NDF: 5297578.5/62

- sign 4020.639+/-0.702 χ^2/NDF: 3839063.5/31


asym_atr_avg_mean vs Slug
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
Right In: 4034.572+/-1782.030 χ²/NDF: 12.3/15
Left Out: 1254.412+/-1439.887 χ²/NDF:17.2/14
Right Out: -2800.547+/-1671.877 χ²/NDF: 15.4/18
Left In: -1486.634+/-1499.130 χ²/NDF:11.8/12
+ sign 2352.552+/-1119.977 χ²/NDF: 31.1/30
All: 132.568+/-790.583 χ²/NDF: 66.5/62
- sign -2072.224+/-1116.138 χ²/NDF: 27.6/31

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4876.144+/-1.018 χ^2/NDF:495293.3/14

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

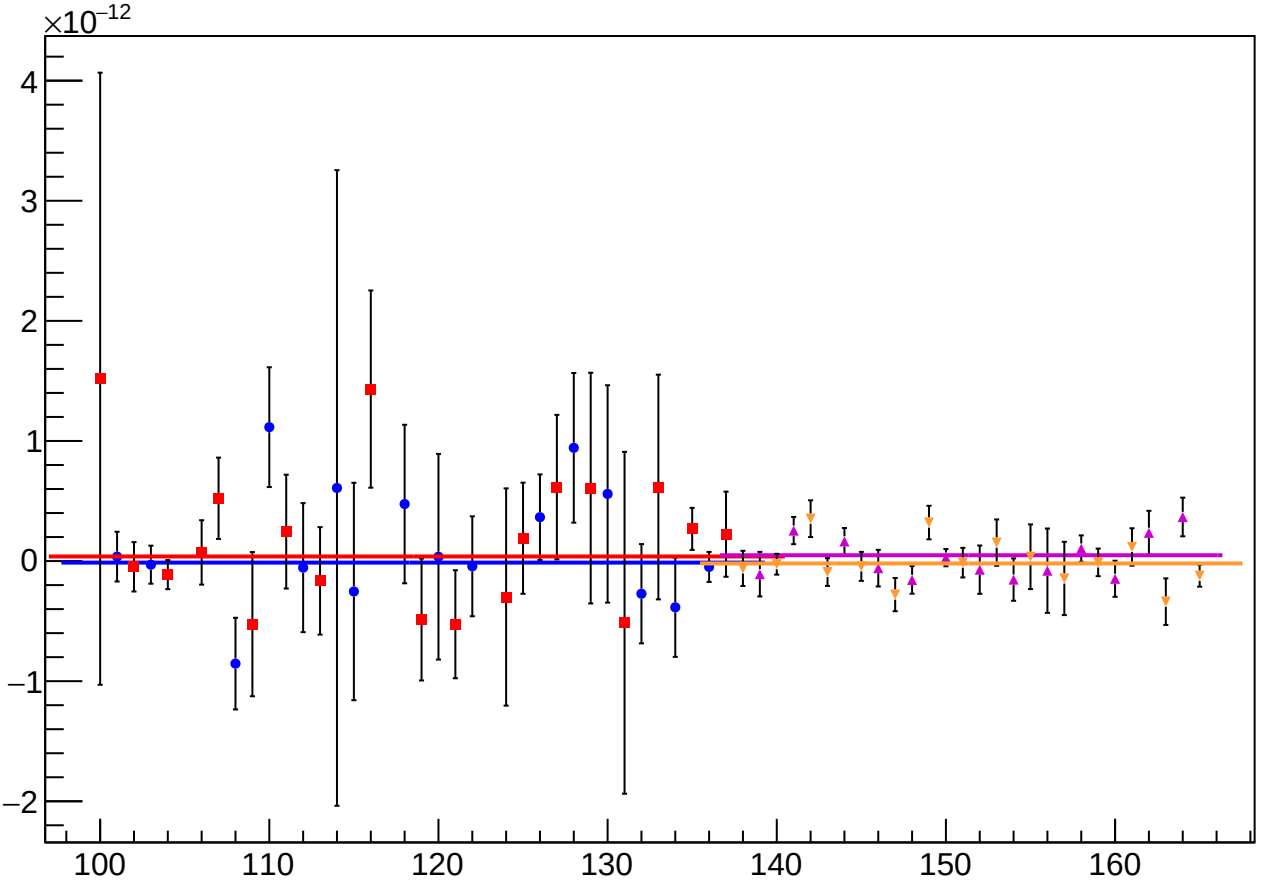
Left In: 4893.204+/-1.060 χ^2/NDF:515389.1/12

+ sign 4778.906+/-0.792 χ^2/NDF: 1418631.3/30

All: 4704.573+/-0.558 χ^2/NDF: 2991884.5/62

- sign 4631.321+/-0.786 χ^2/NDF: 1555761.3/31

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:21.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

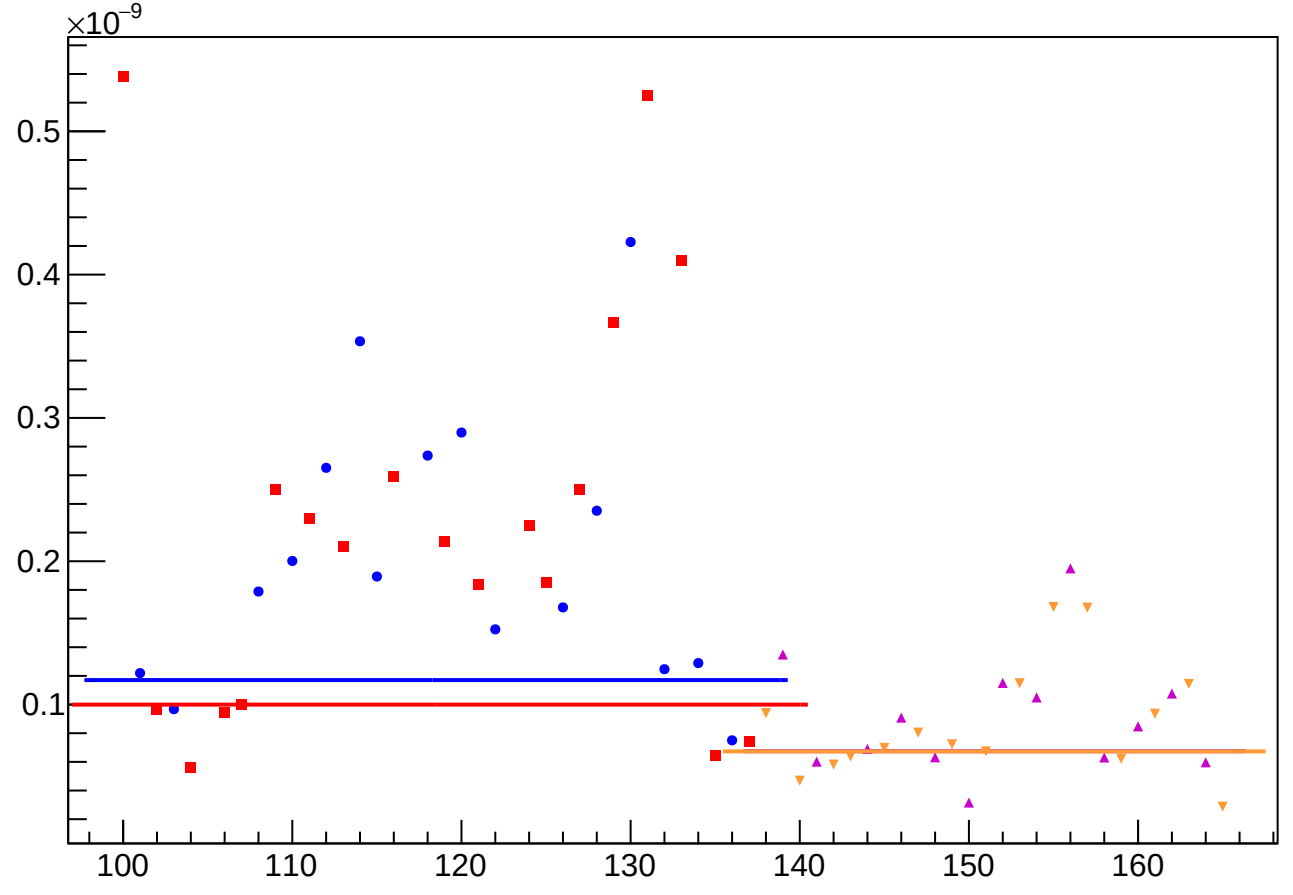
Left In: 0.000+/-0.000 χ^2/NDF:17.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/30

All: 0.000+/-0.000 χ^2/NDF: 72.2/62

- sign 0.000+/-0.000 χ^2/NDF: 32.5/31

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1363731.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

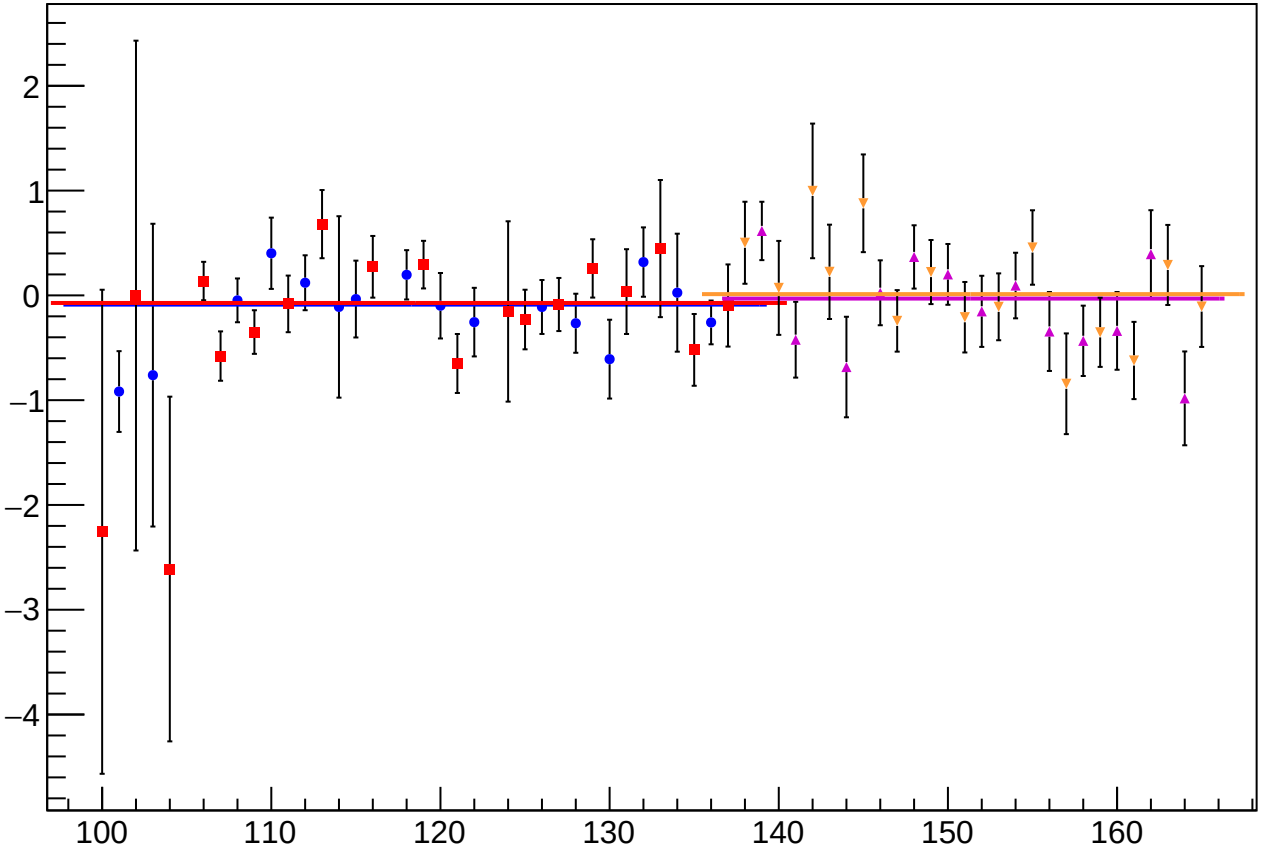
Left In: 0.000+/-0.000 χ^2/NDF:1417326.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 3185546.8/30

All: 0.000+/-0.000 χ^2/NDF: 6770901.9/62

- sign 0.000+/-0.000 χ^2/NDF: 3581825.8/31

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

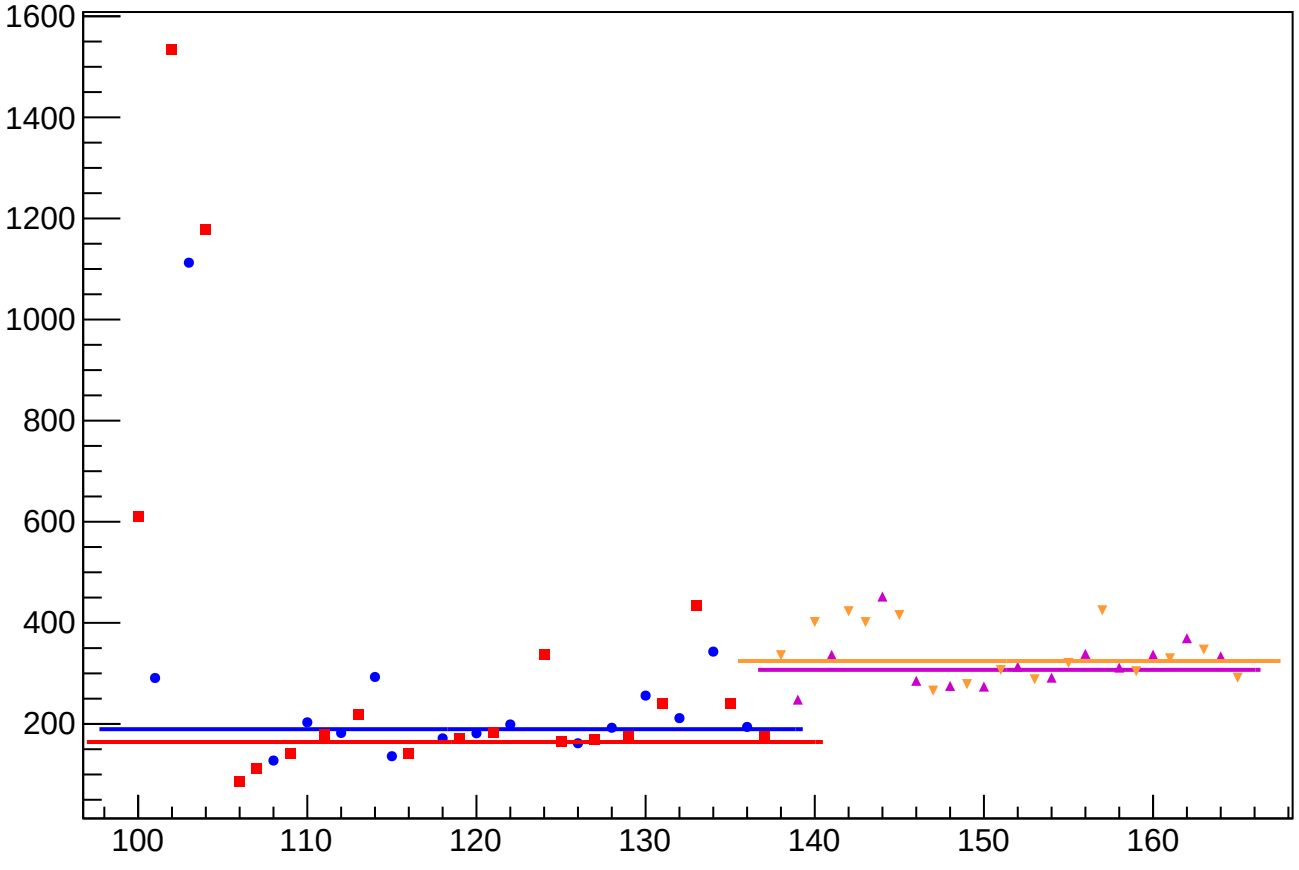
Left In: -0.031+/-0.095 χ^2/NDF:19.5/12

+ sign -0.049+/-0.060 χ^2/NDF: 33.5/30

All: -0.054+/-0.041 χ^2/NDF: 81.7/62

- sign -0.058+/-0.056 χ^2/NDF: 48.2/31

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 324.477+/-0.068 χ^2/NDF:514675.5/14

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

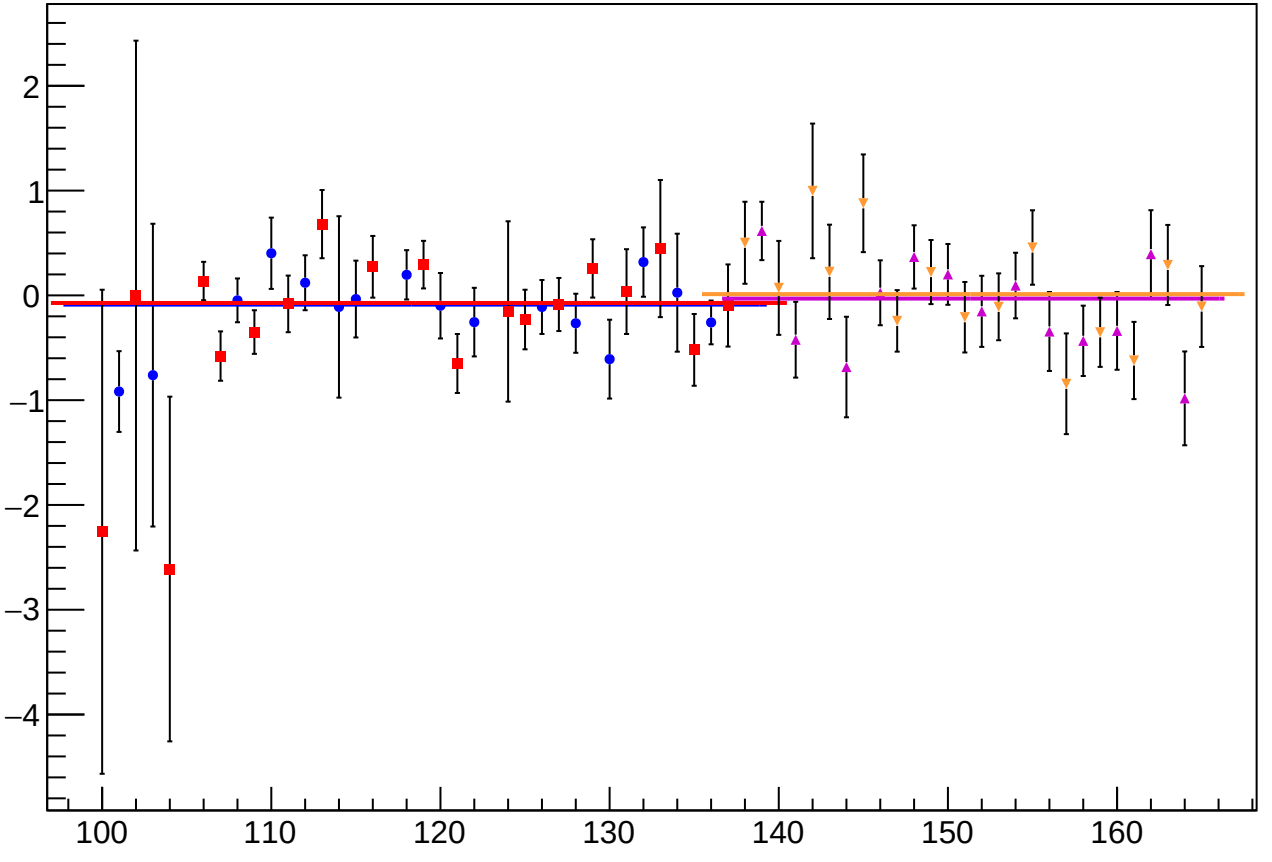
Left In: 307.010+/-0.067 χ^2/NDF:428247.9/12

+ sign 241.715+/-0.043 χ^2/NDF: 4363775.3/30

All: 227.250+/-0.029 χ^2/NDF: 10579708.2/62

- sign 214.551+/-0.040 χ^2/NDF: 5998666.0/31

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

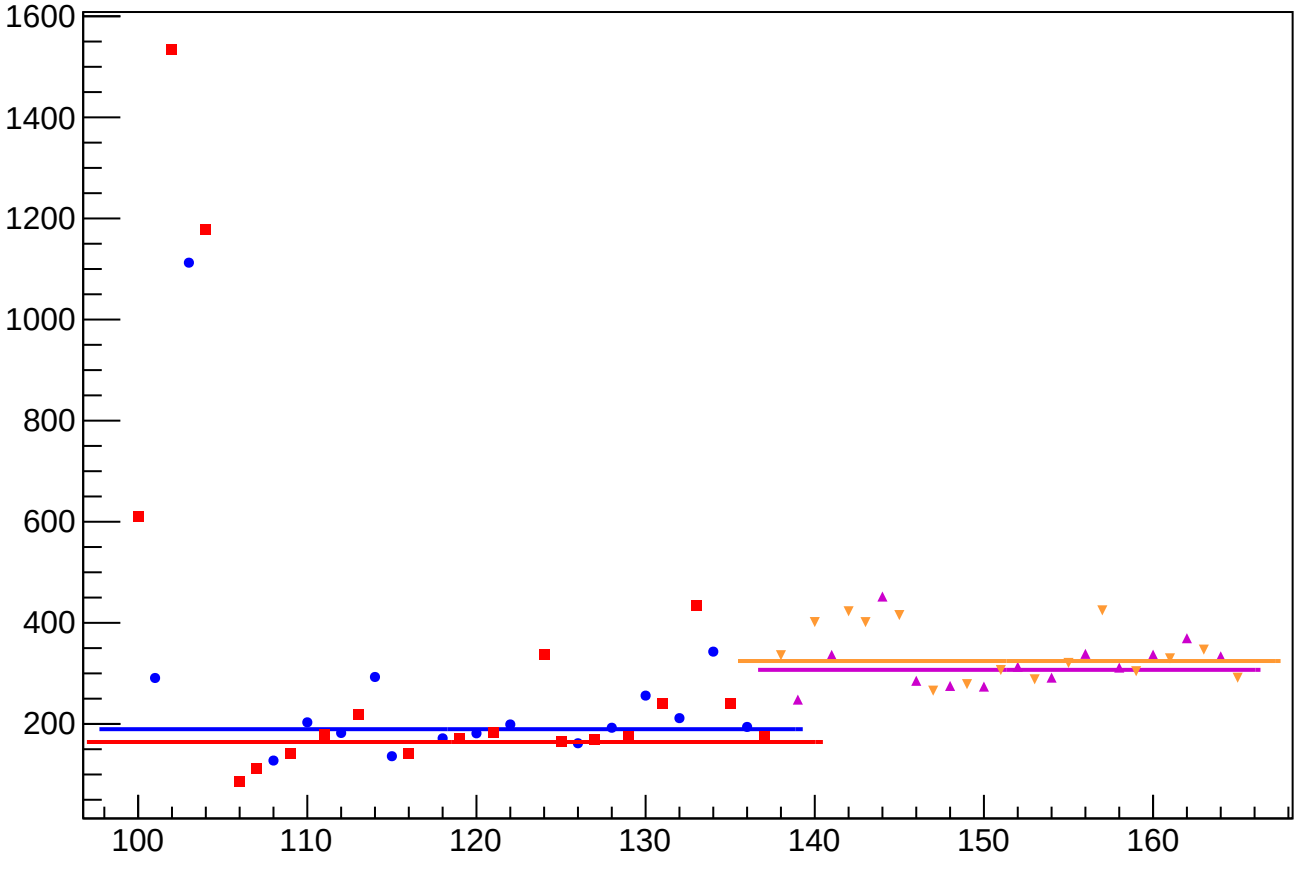
Left In: -0.031+/-0.095 χ^2/NDF:19.5/12

+ sign -0.049+/-0.060 χ^2/NDF: 33.5/30

All: -0.054+/-0.041 χ^2/NDF: 81.7/62

- sign -0.058+/-0.056 χ^2/NDF: 48.2/31

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 324.477+/-0.068 χ^2/NDF:514675.5/14

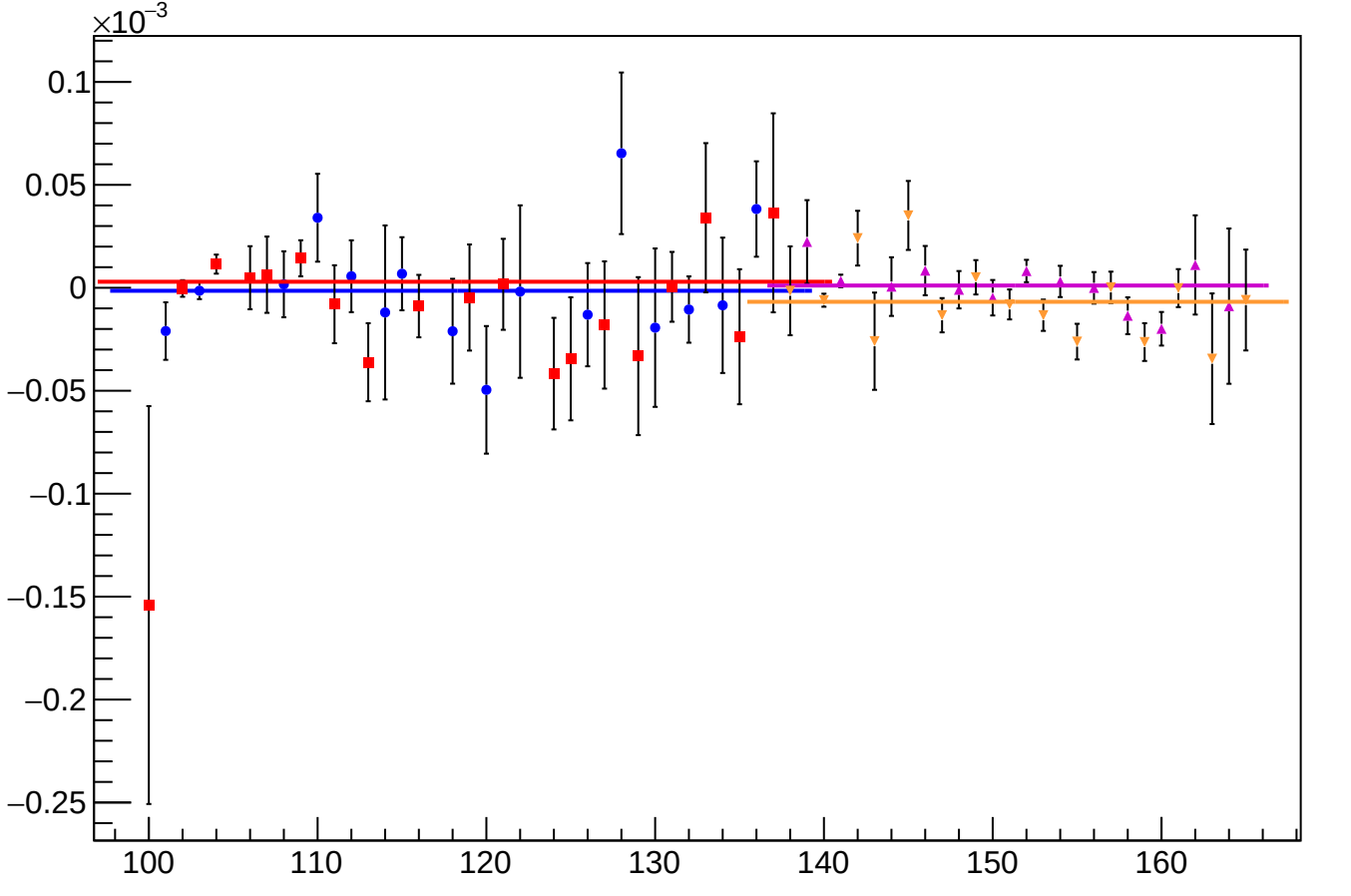
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 307.010+/-0.067 χ^2/NDF:428247.9/12

+ sign 241.715+/-0.043 χ^2/NDF: 4363775.3/30

All: 227.250+/-0.029 χ^2/NDF: 10579708.2/62

- sign 214.551+/-0.040 χ^2/NDF: 5998666.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.5/14

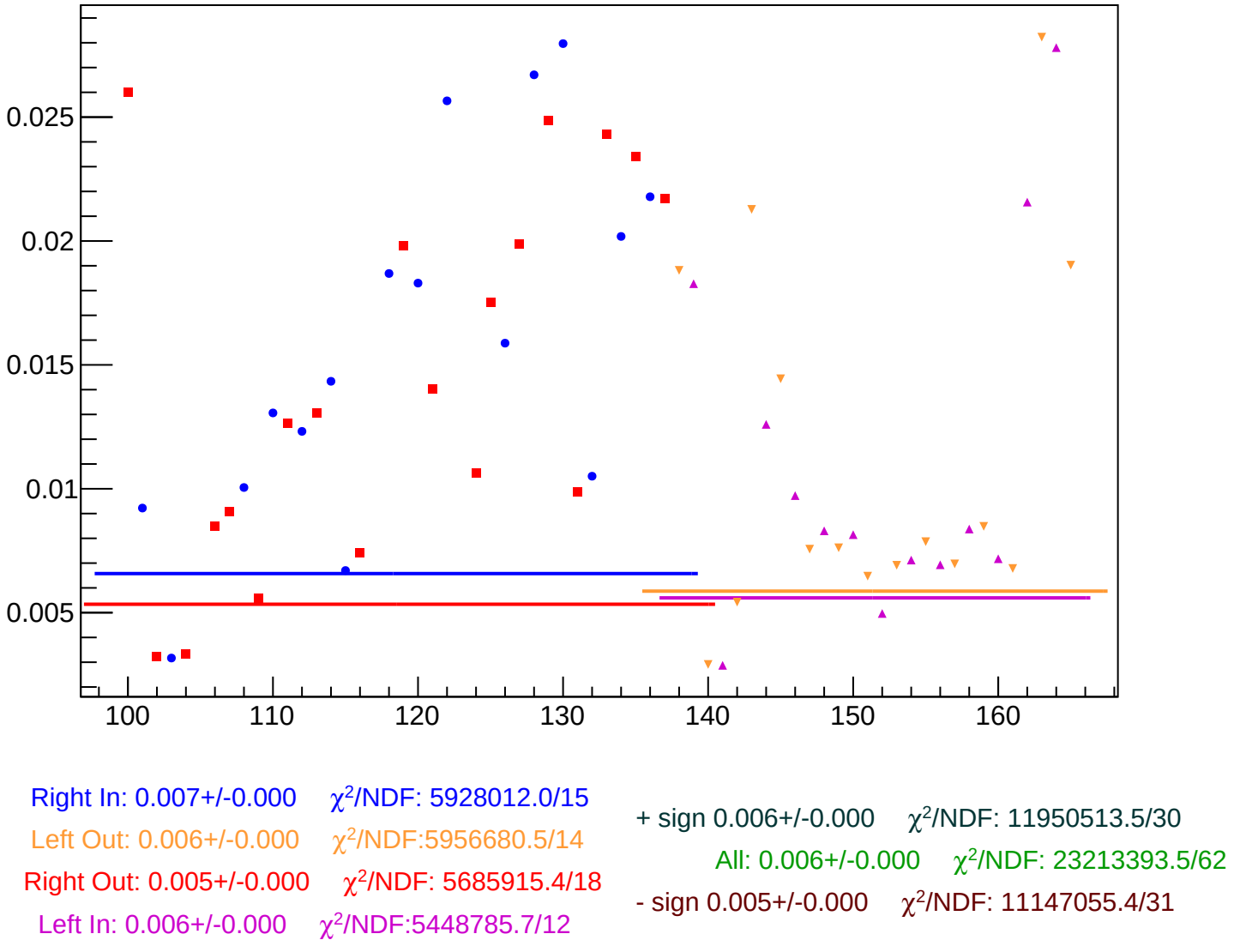
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/12

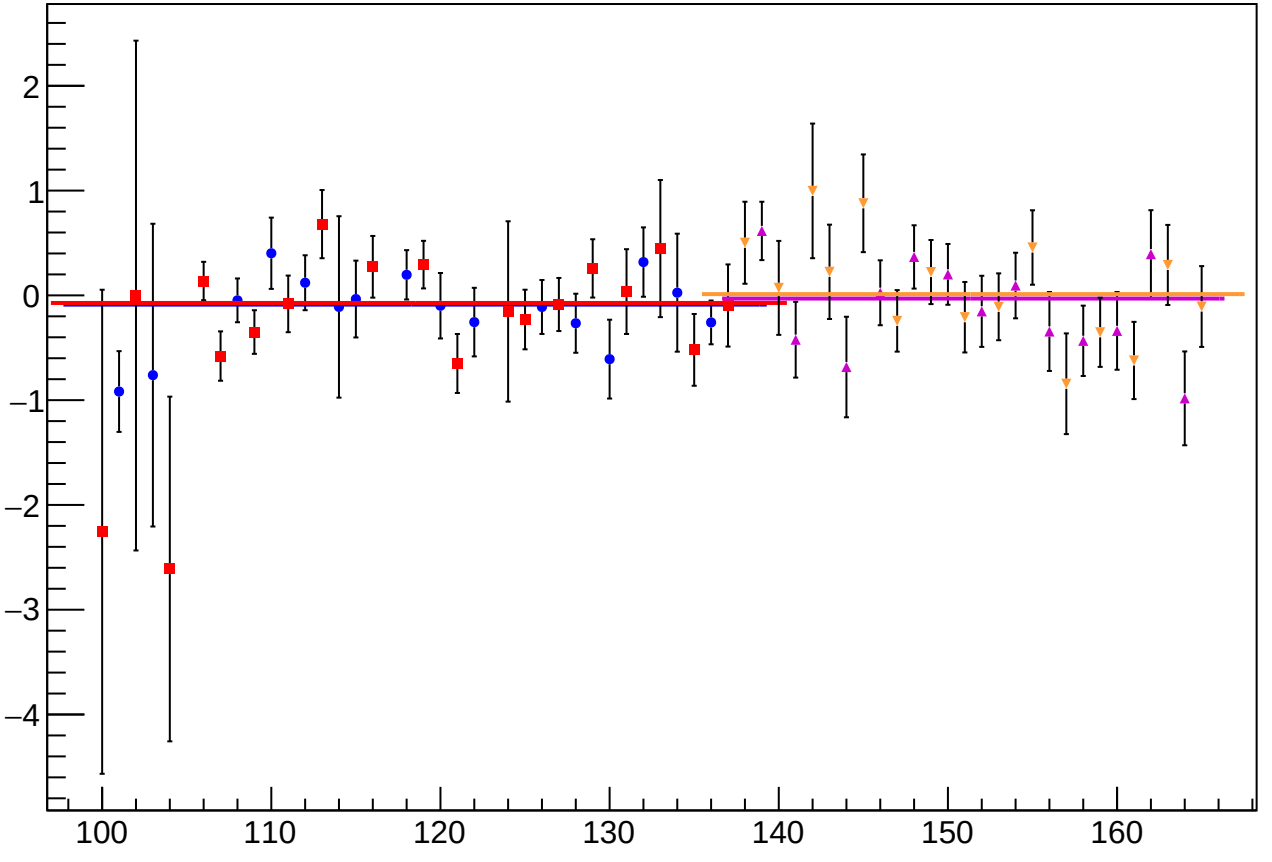
+ sign -0.000+/-0.000 χ^2/NDF: 44.2/30

All: -0.000+/-0.000 χ^2/NDF: 88.7/62

- sign 0.000+/-0.000 χ^2/NDF: 35.5/31


asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 5928012.0/15
Left Out: 0.006+/-0.000 χ²/NDF:5956680.5/14
Right Out: 0.005+/-0.000 χ²/NDF: 5685915.4/18
Left In: 0.006+/-0.000 χ²/NDF:5448785.7/12
+ sign 0.006+/-0.000 χ²/NDF: 11950513.5/30
All: 0.006+/-0.000 χ²/NDF: 23213393.5/62
- sign 0.005+/-0.000 χ²/NDF: 11147055.4/31

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: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

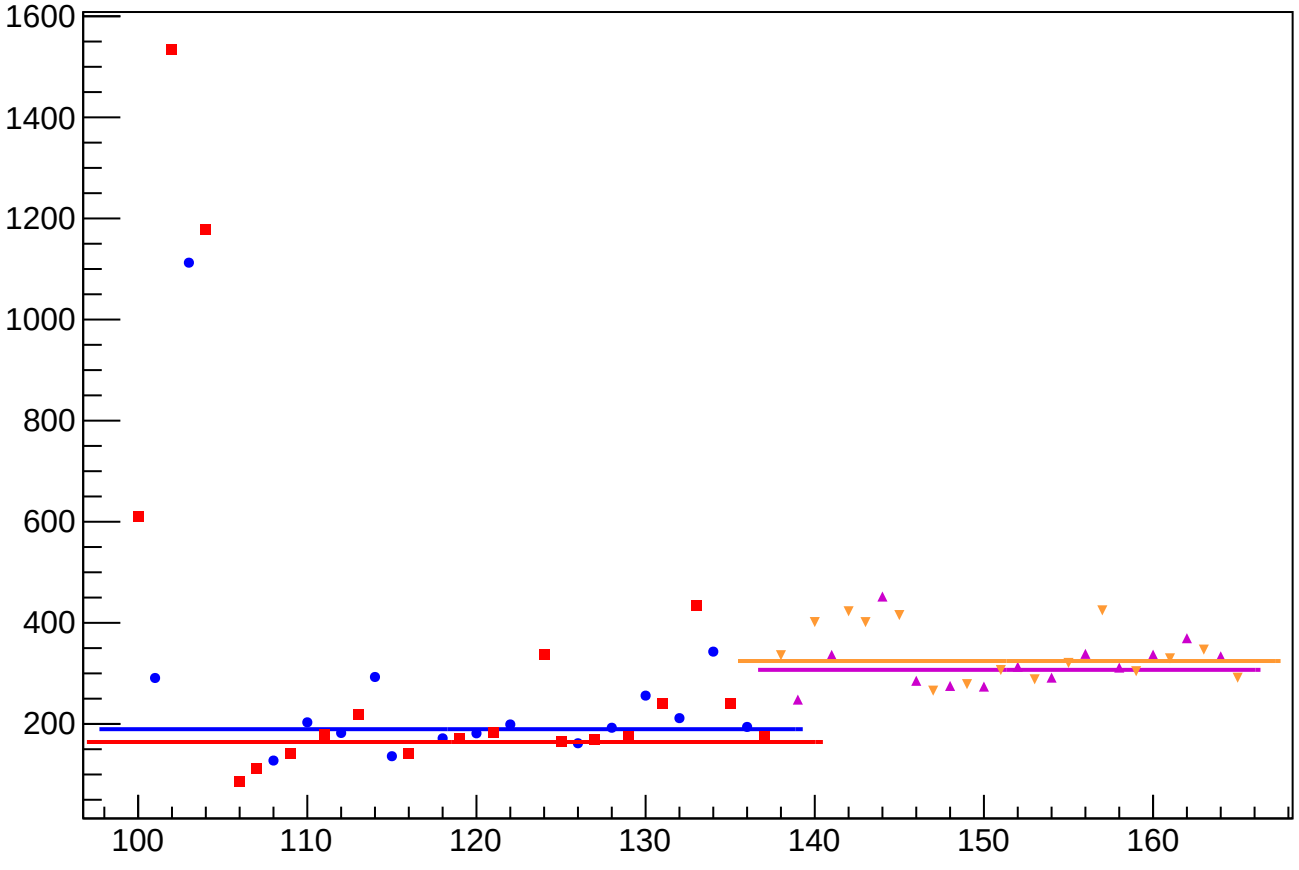
Left In: -0.031+/-0.095 χ^2/NDF:19.5/12

+ sign -0.049+/-0.060 χ^2/NDF: 33.5/30

All: -0.054+/-0.041 χ^2/NDF: 81.7/62

- sign -0.058+/-0.056 χ^2/NDF: 48.2/31

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 324.482+/-0.068 χ^2/NDF:514664.6/14

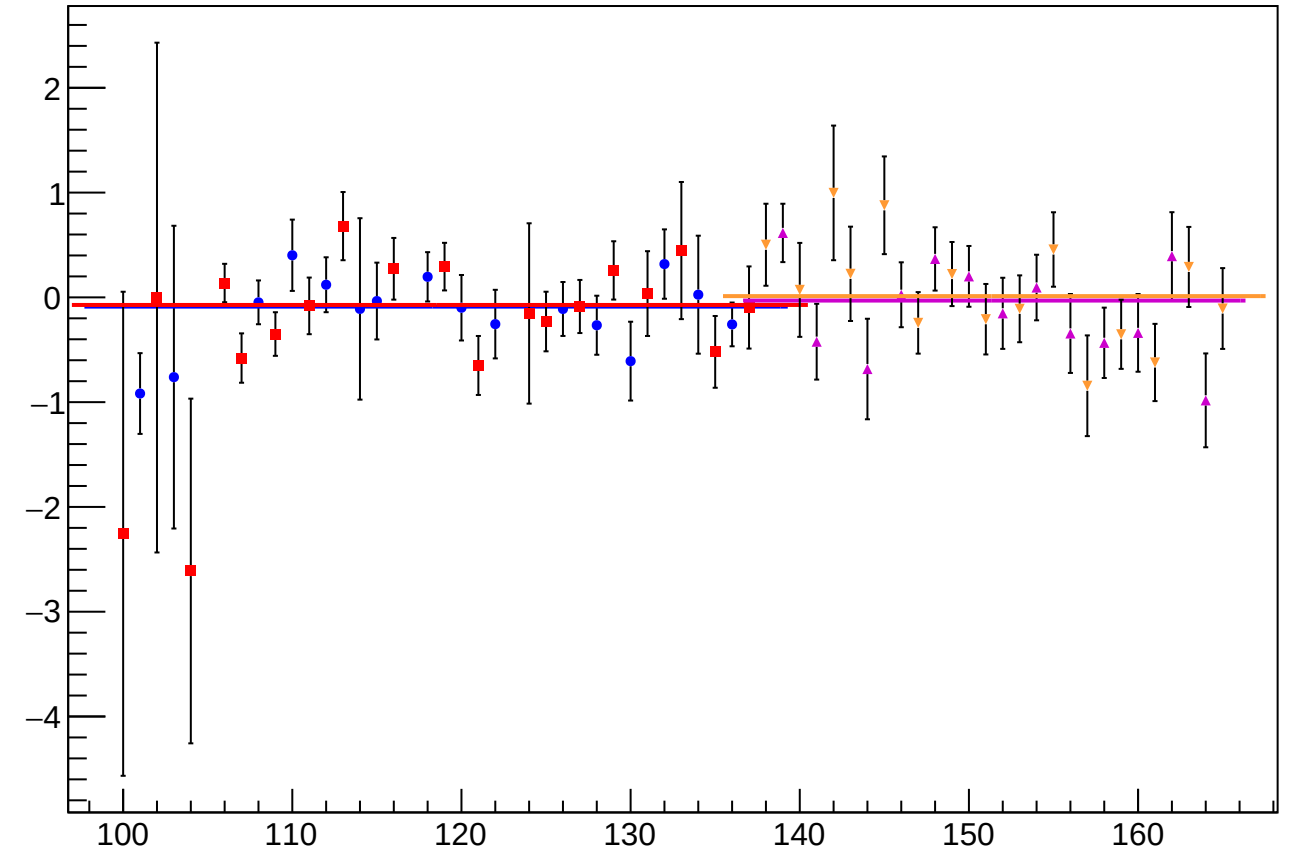
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 307.014+/-0.067 χ^2/NDF:428243.7/12

+ sign 241.715+/-0.043 χ^2/NDF: 4363922.1/30

All: 227.250+/-0.029 χ^2/NDF: 10580002.5/62

- sign 214.551+/-0.040 χ^2/NDF: 5998806.1/31



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-0.097 χ^2/NDF:19.0/14

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

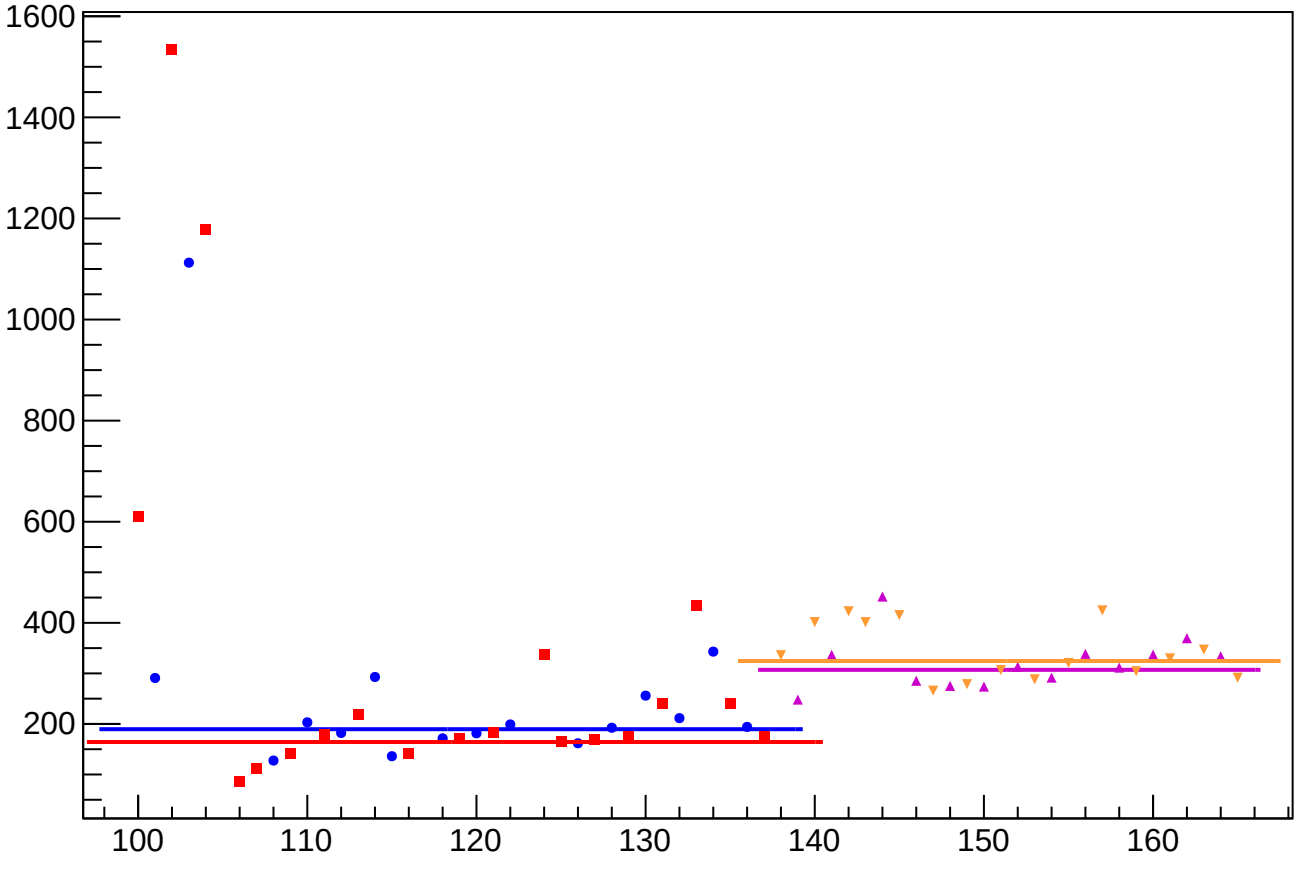
Left In: -0.031+/-0.095 χ^2/NDF:19.5/12

+ sign -0.049+/-0.060 χ^2/NDF: 33.5/30

All: -0.054+/-0.041 χ^2/NDF: 81.7/62

- sign -0.058+/-0.056 χ^2/NDF: 48.2/31

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 324.482+/-0.068 χ^2/NDF:514664.6/14

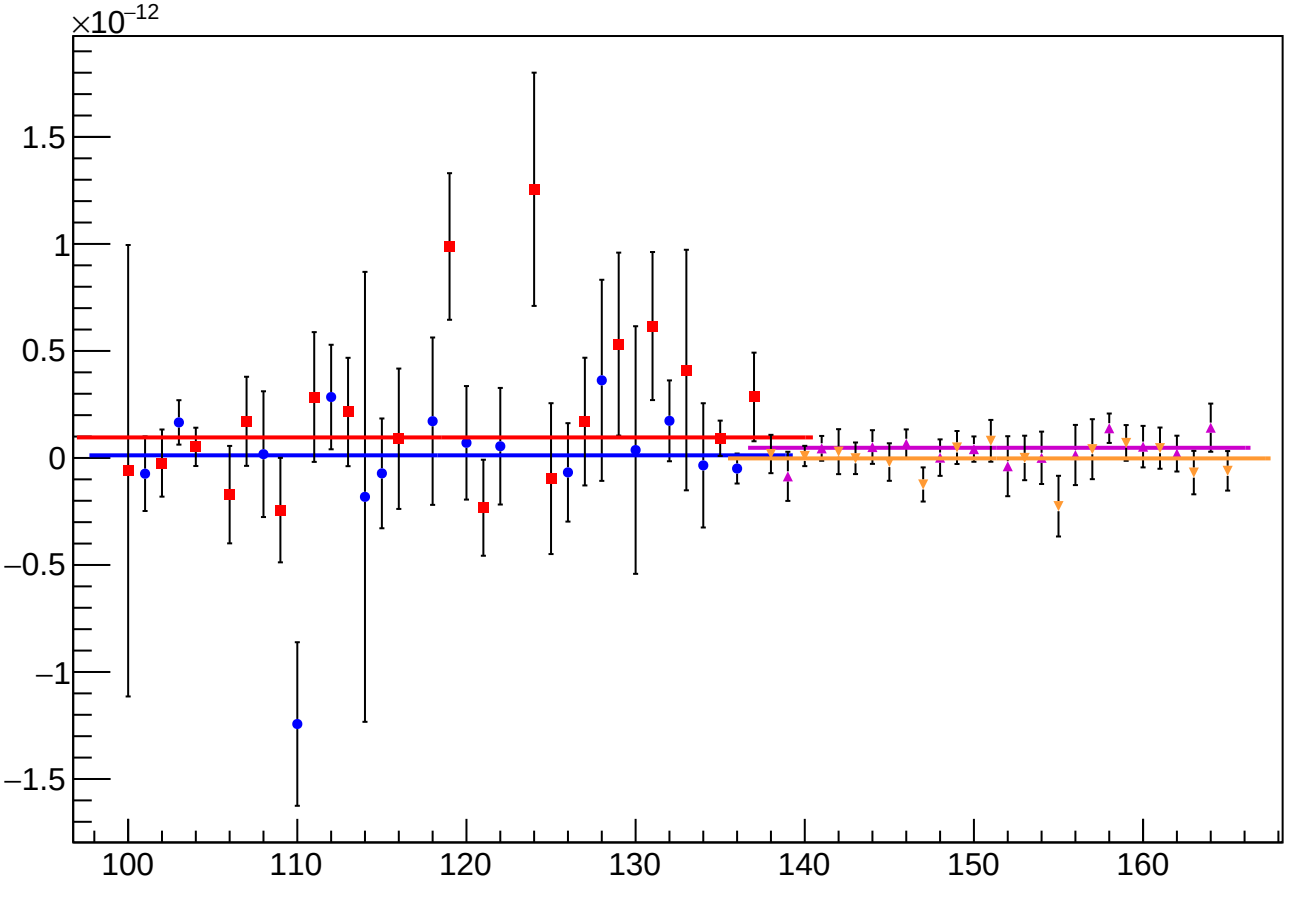
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 307.014+/-0.067 χ^2/NDF:428243.7/12

+ sign 241.715+/-0.043 χ^2/NDF: 4363922.1/30

All: 227.250+/-0.029 χ^2/NDF: 10580002.5/62

- sign 214.551+/-0.040 χ^2/NDF: 5998806.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

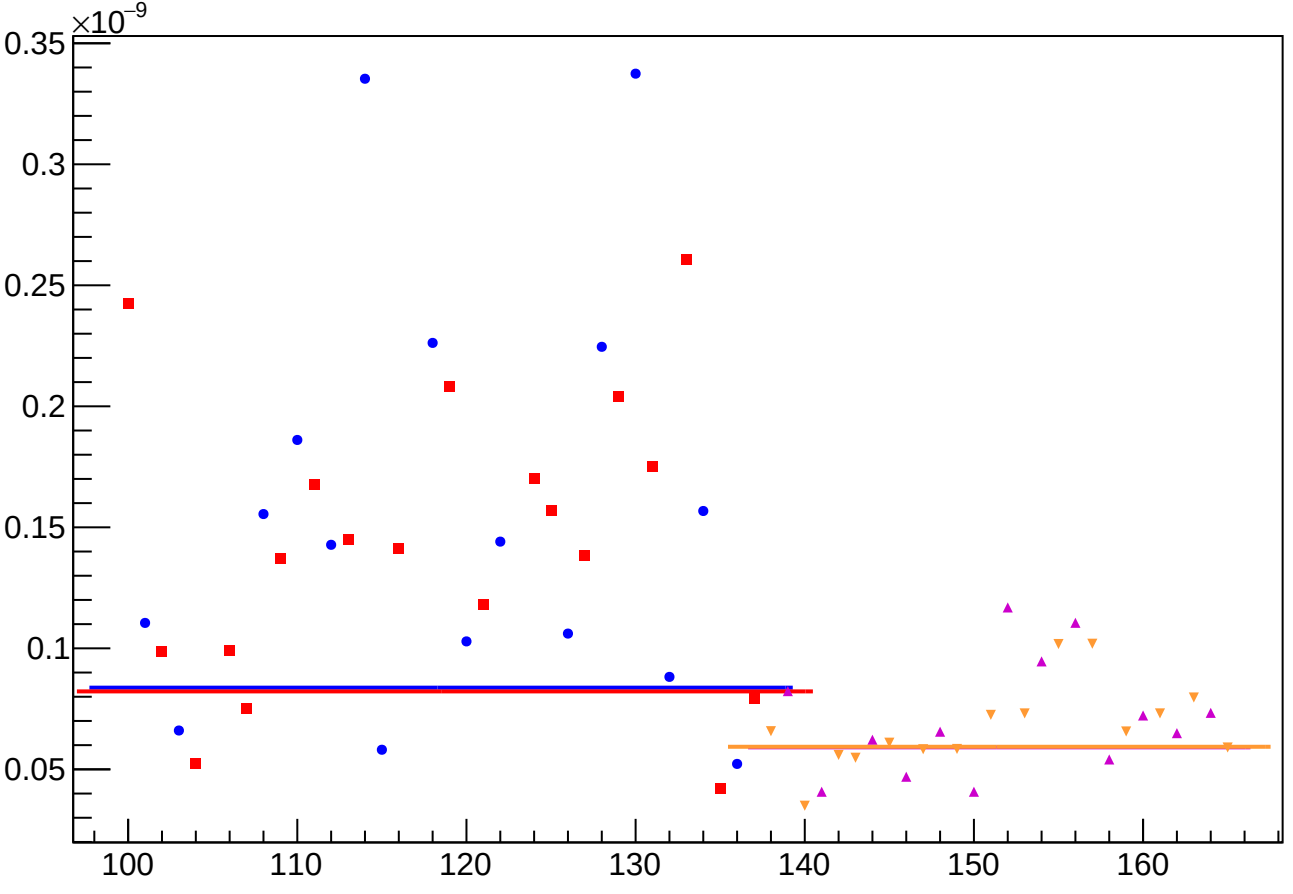
Left In: 0.000+/-0.000 χ^2/NDF:4.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 25.2/30

All: 0.000+/-0.000 χ^2/NDF: 58.2/62

- sign 0.000+/-0.000 χ^2/NDF: 29.0/31

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:1118227.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

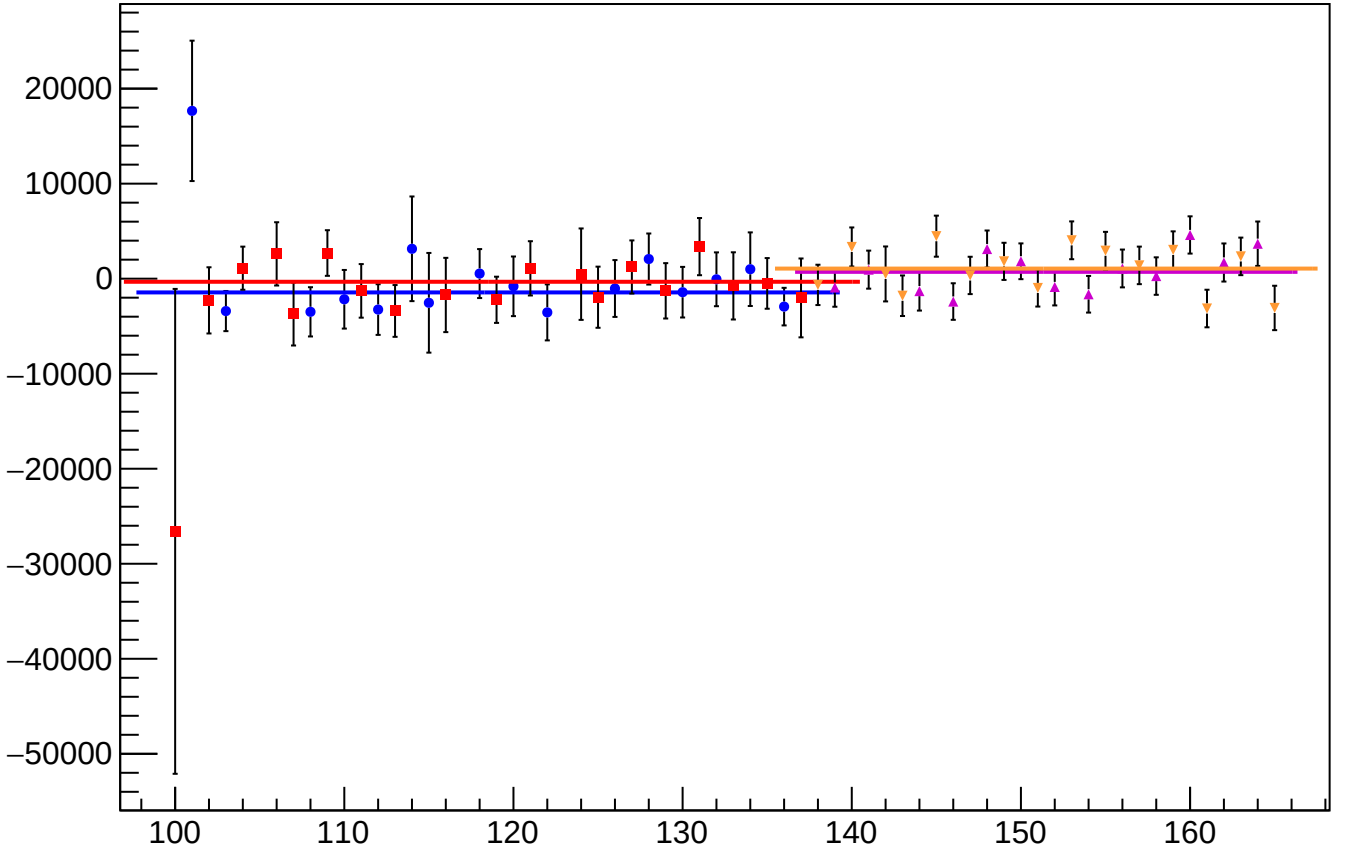
Left In: 0.000+/-0.000 χ^2/NDF:1420196.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3693090.2/30

All: 0.000+/-0.000 χ^2/NDF: 7807080.2/62

- sign 0.000+/-0.000 χ^2/NDF: 4113989.0/31

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1062.248+/-533.340 χ^2/NDF:19.8/14

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

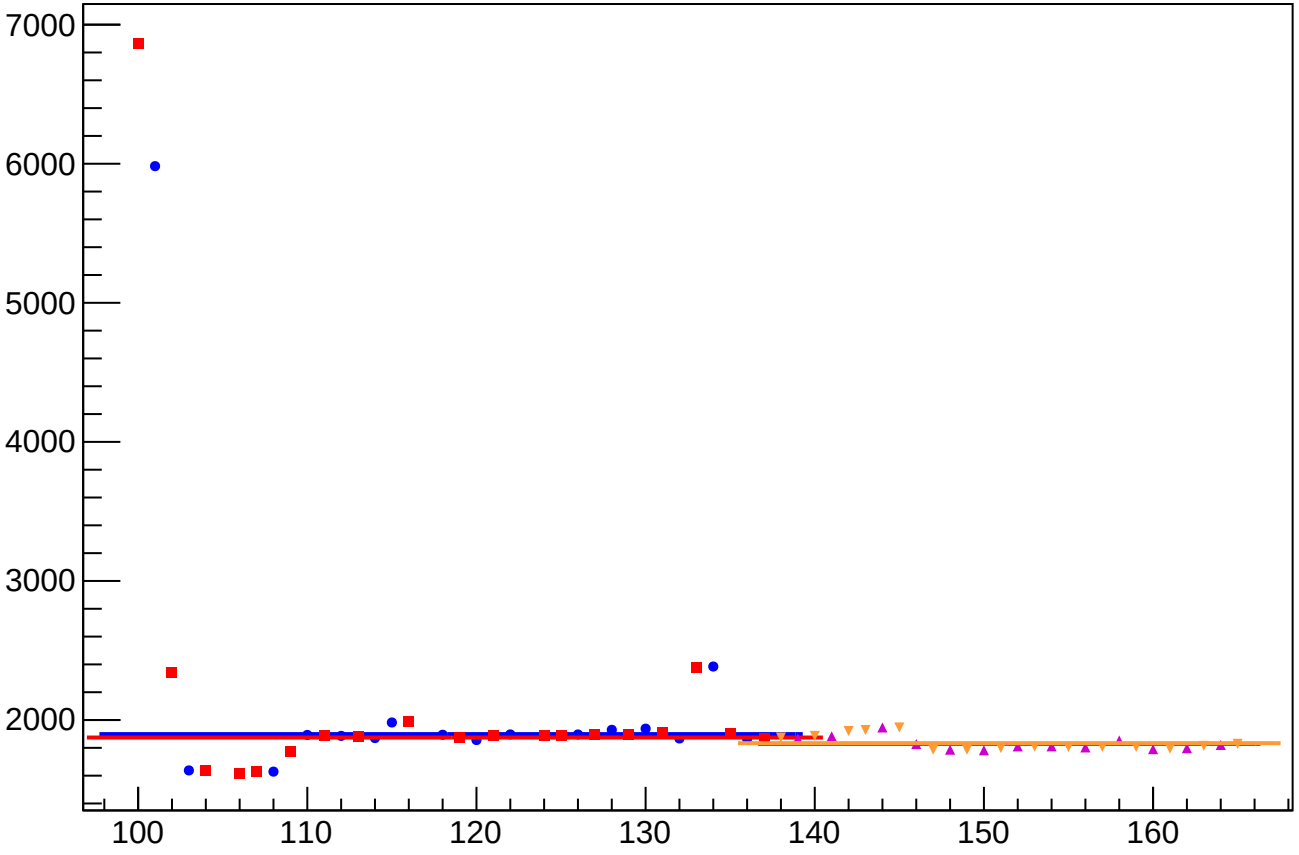
Left In: 718.506+/-552.071 χ^2/NDF:14.2/12

+ sign 178.368+/-429.227 χ^2/NDF: 41.1/30

All: 248.313+/-305.220 χ^2/NDF: 66.7/62

- sign 319.858+/-434.106 χ^2/NDF: 25.5/31

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1833.608+/-0.377 χ^2/NDF:18607.1/14

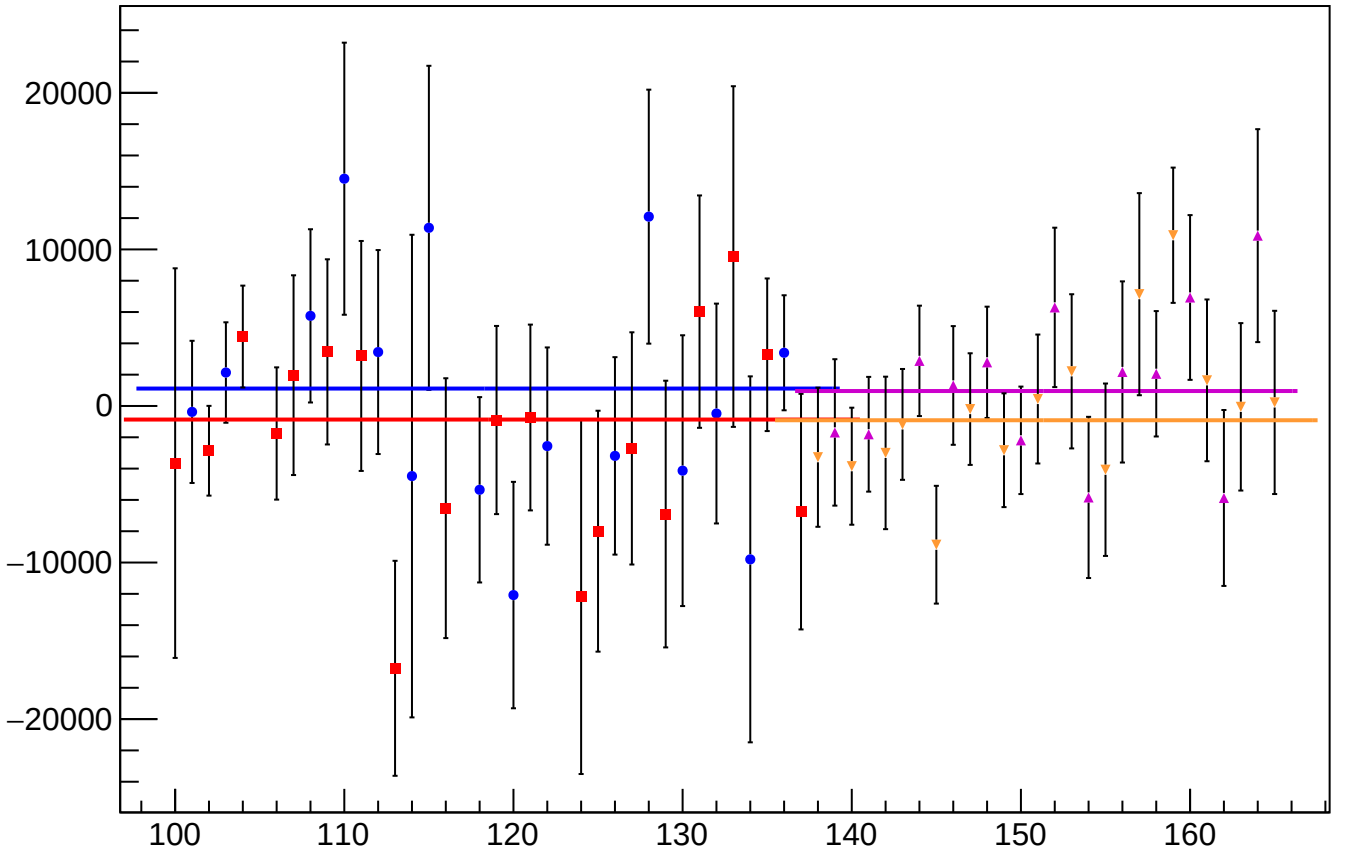
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

+ sign 1856.585+/-0.304 χ^2/NDF: 726657.7/30

All: 1851.236+/-0.216 χ^2/NDF: 953439.6/62

- sign 1845.779+/-0.307 χ^2/NDF: 226154.4/31



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -911.842+/-1131.019 χ^2/NDF:16.1/14

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

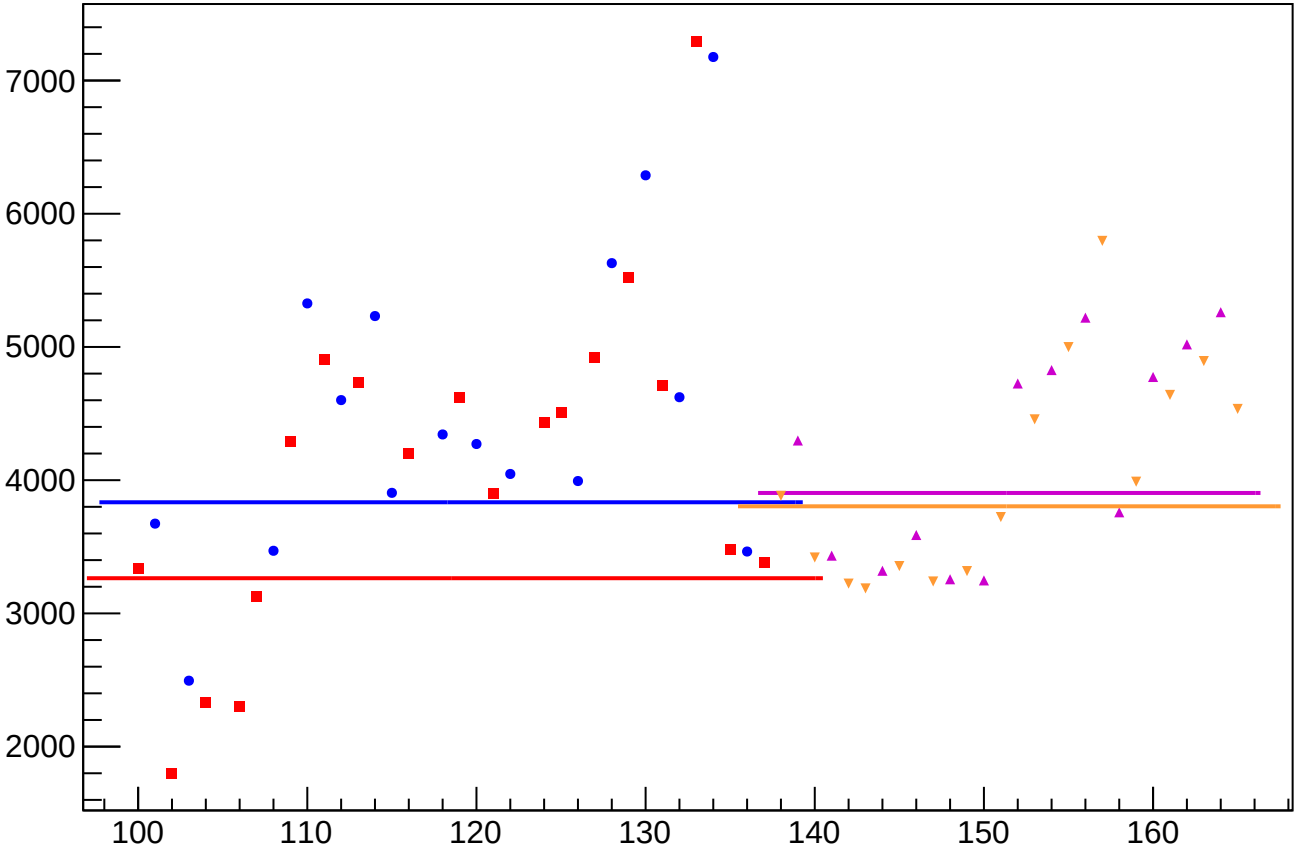
Left In: 954.551+/-1201.934 χ^2/NDF:10.2/12

+ sign -164.947+/-898.487 χ^2/NDF: 30.6/30

All: -20.239+/-630.425 χ^2/NDF: 57.5/62

- sign 120.088+/-884.780 χ^2/NDF: 26.8/31

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3803.858+/-0.800 χ^2/NDF:716240.3/14

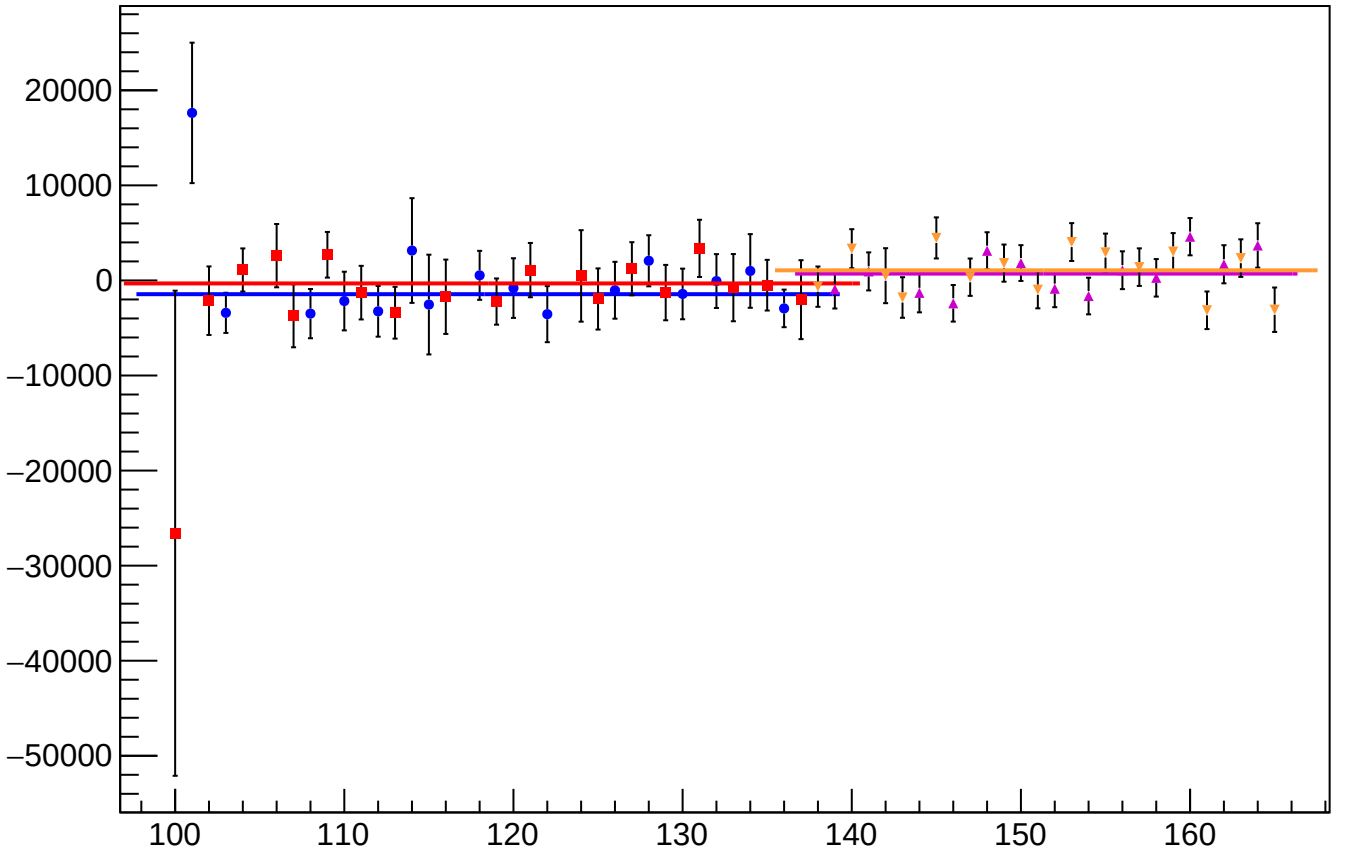
Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3904.033+/-0.850 χ^2/NDF:691094.5/12

+ sign 3815.038+/-0.635 χ^2/NDF: 1673545.7/30

All: 3711.388+/-0.446 χ^2/NDF: 4541021.8/62

- sign 3610.877+/-0.626 χ^2/NDF: 2815049.9/31



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1062.378+/-533.340 χ^2/NDF:19.8/14

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

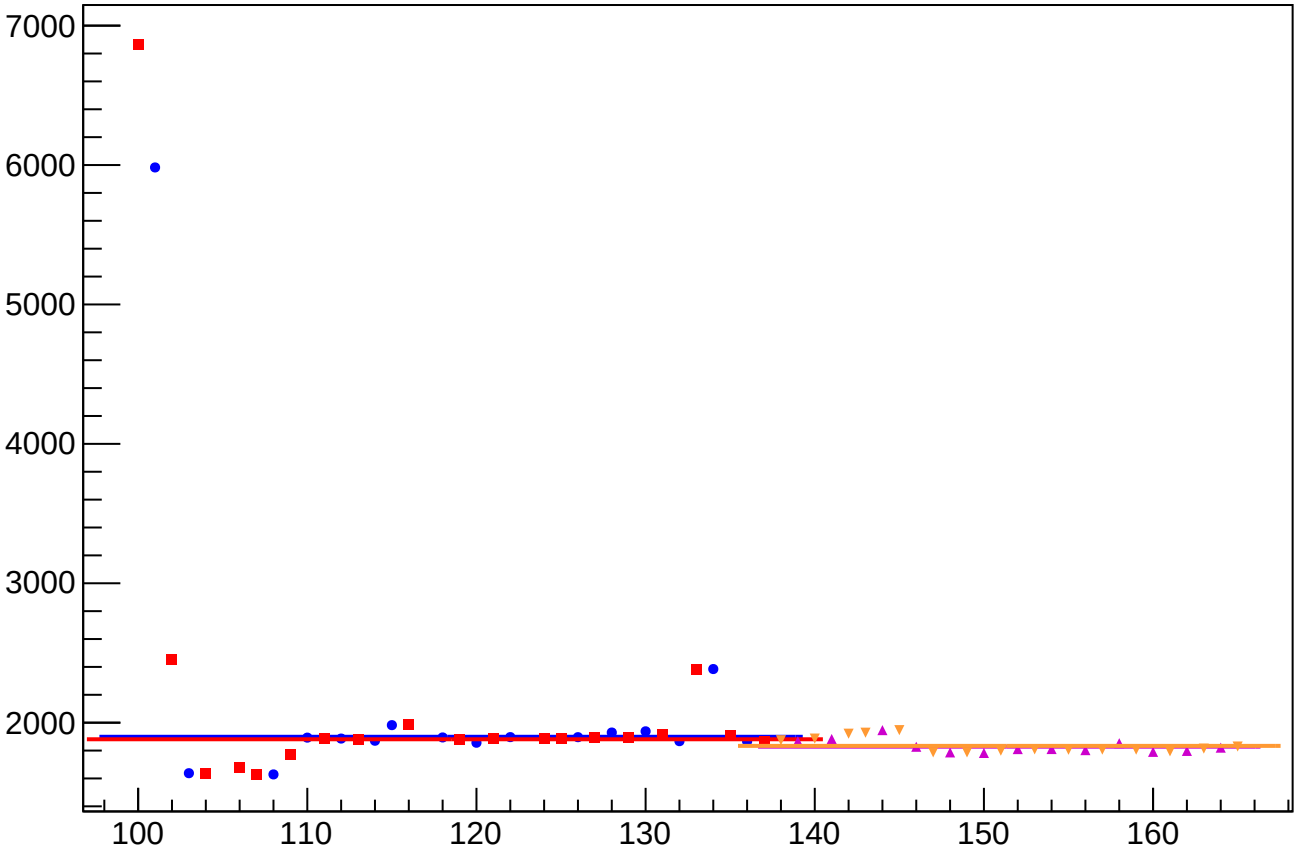
Left In: 718.483+/-552.071 χ^2/NDF:14.2/12

+ sign 178.316+/-429.227 χ^2/NDF: 41.1/30

All: 250.539+/-305.297 χ^2/NDF: 66.6/62

- sign 324.489+/-434.330 χ^2/NDF: 25.4/31

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.608+/-0.377 χ^2/NDF:18607.1/14

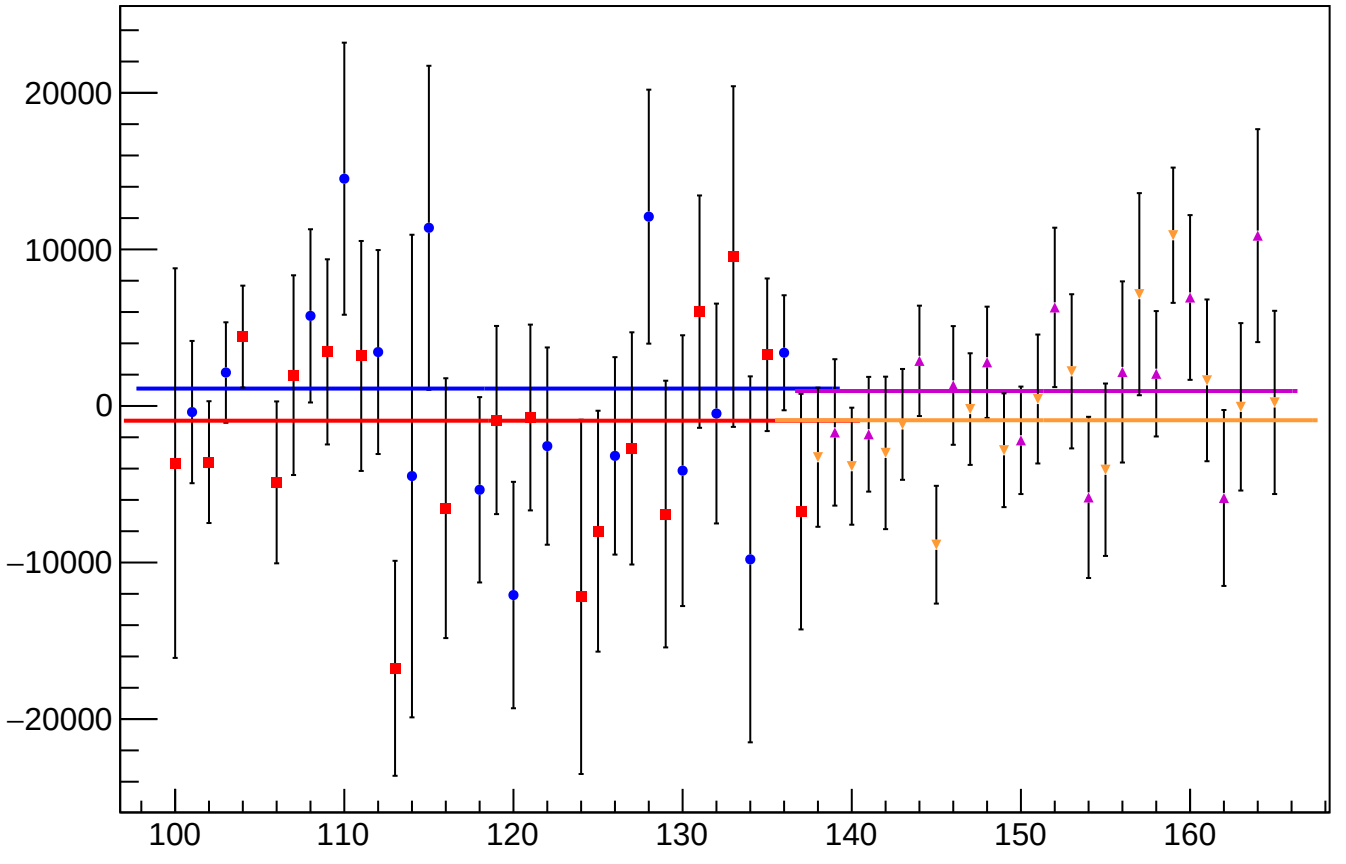
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

+ sign 1856.585+/-0.304 χ^2/NDF: 726657.8/30

All: 1852.483+/-0.216 χ^2/NDF: 963744.3/62

- sign 1848.289+/-0.307 χ^2/NDF: 236717.1/31



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -911.798+/-1131.017 χ^2/NDF:16.1/14

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

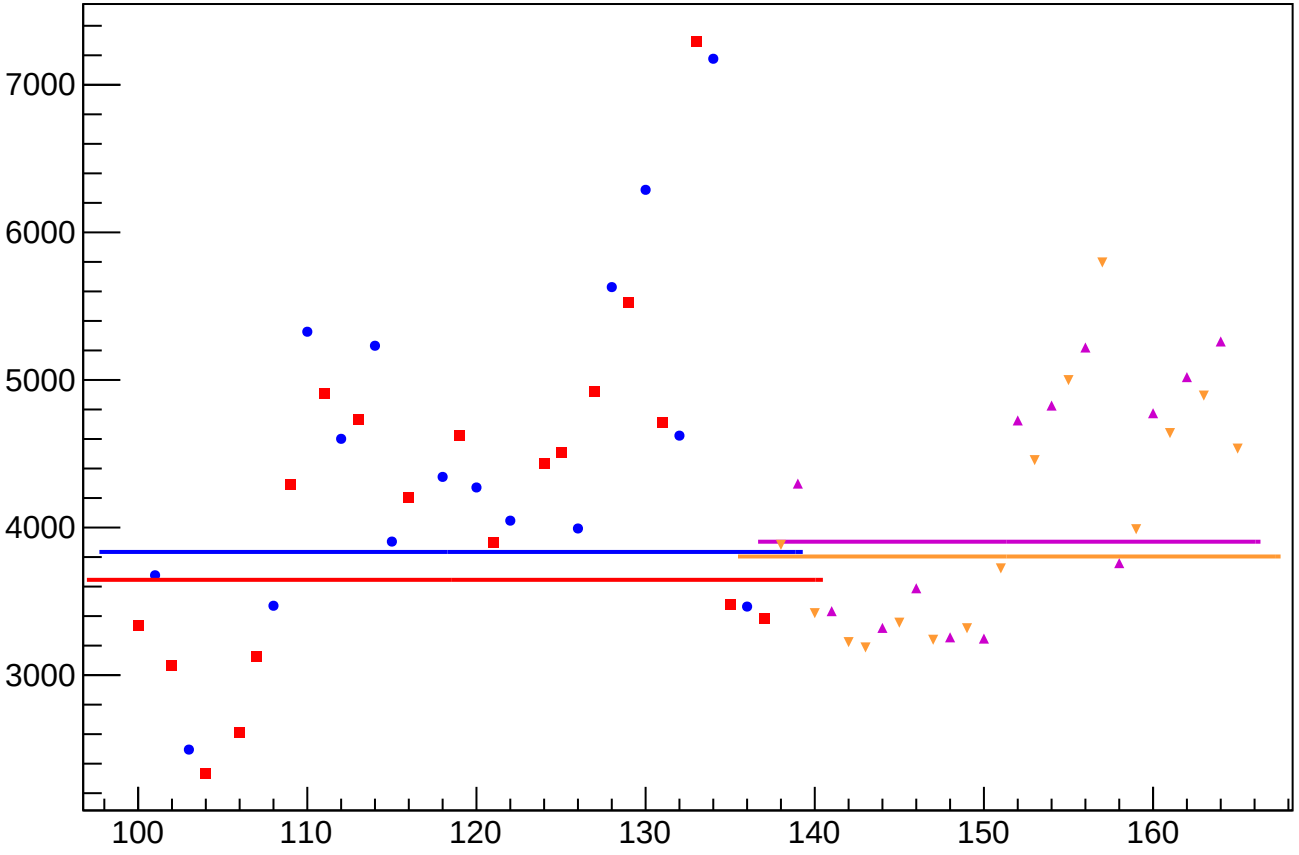
Left In: 954.639+/-1201.933 χ^2/NDF:10.2/12

+ sign -165.462+/-898.526 χ^2/NDF: 30.6/30

All: -10.148+/-639.952 χ^2/NDF: 58.1/62

- sign 149.746+/-911.674 χ^2/NDF: 27.4/31

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3803.854+/-0.800 χ^2/NDF:716234.9/14

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

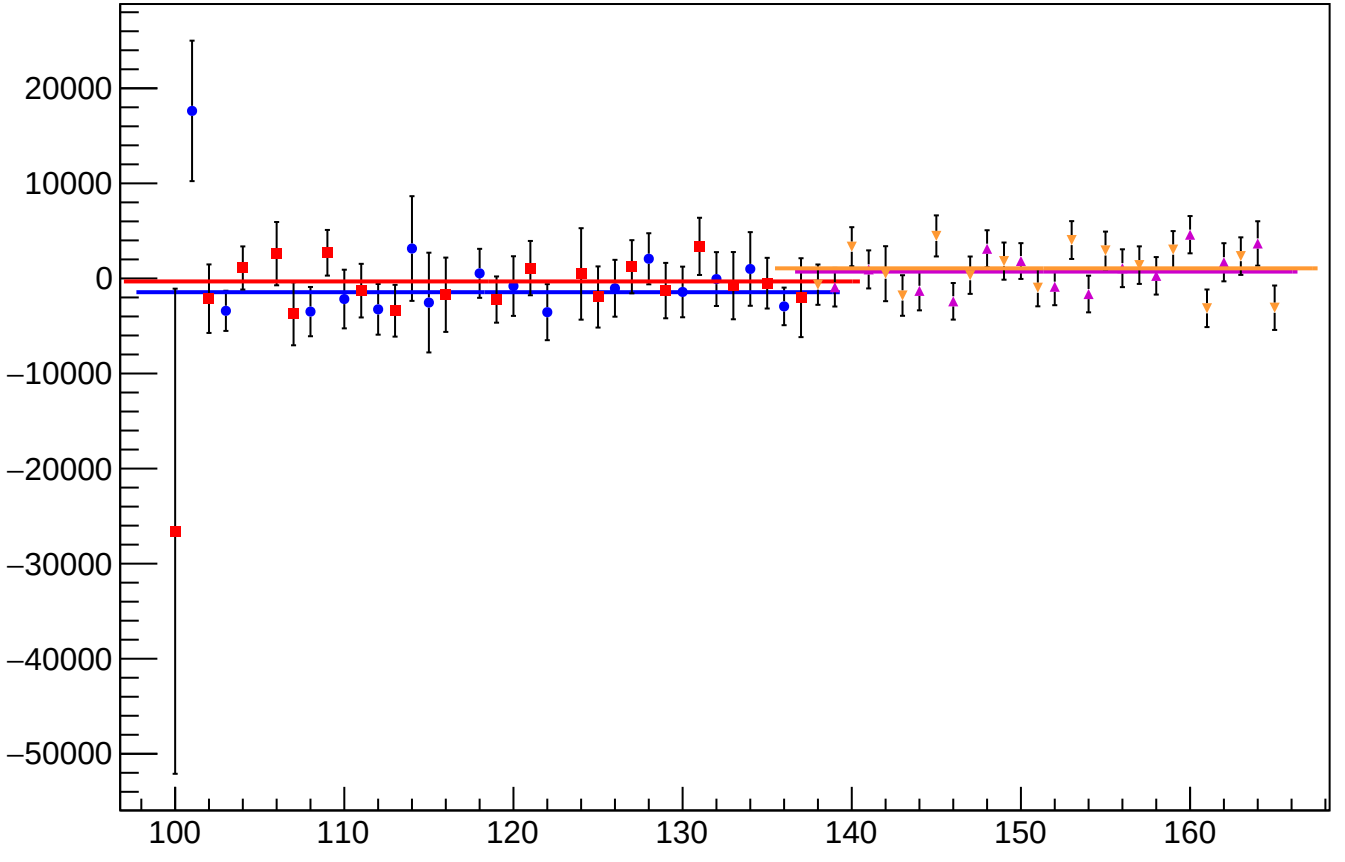
Left In: 3904.027+/-0.850 χ^2/NDF:691108.3/12

+ sign 3815.228+/-0.635 χ^2/NDF: 1673095.4/30

All: 3804.926+/-0.453 χ^2/NDF: 3528955.7/62

- sign 3794.320+/-0.645 χ^2/NDF: 1855326.6/31

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1062.378+/-533.340 χ^2/NDF:19.8/14

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

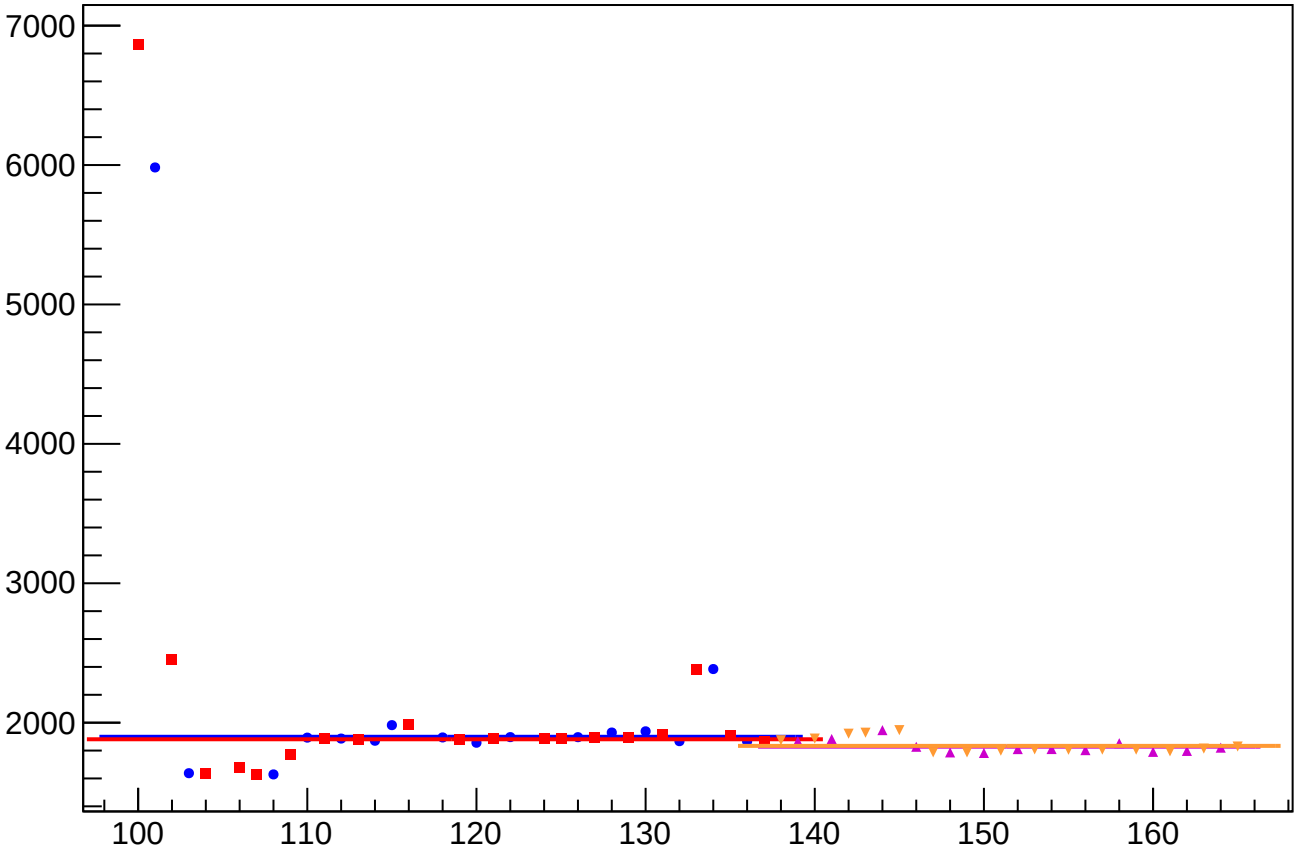
Left In: 718.483+/-552.071 χ^2/NDF:14.2/12

+ sign 178.316+/-429.227 χ^2/NDF: 41.1/30

All: 250.539+/-305.297 χ^2/NDF: 66.6/62

- sign 324.489+/-434.330 χ^2/NDF: 25.4/31

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.608+/-0.377 χ^2/NDF:18607.1/14

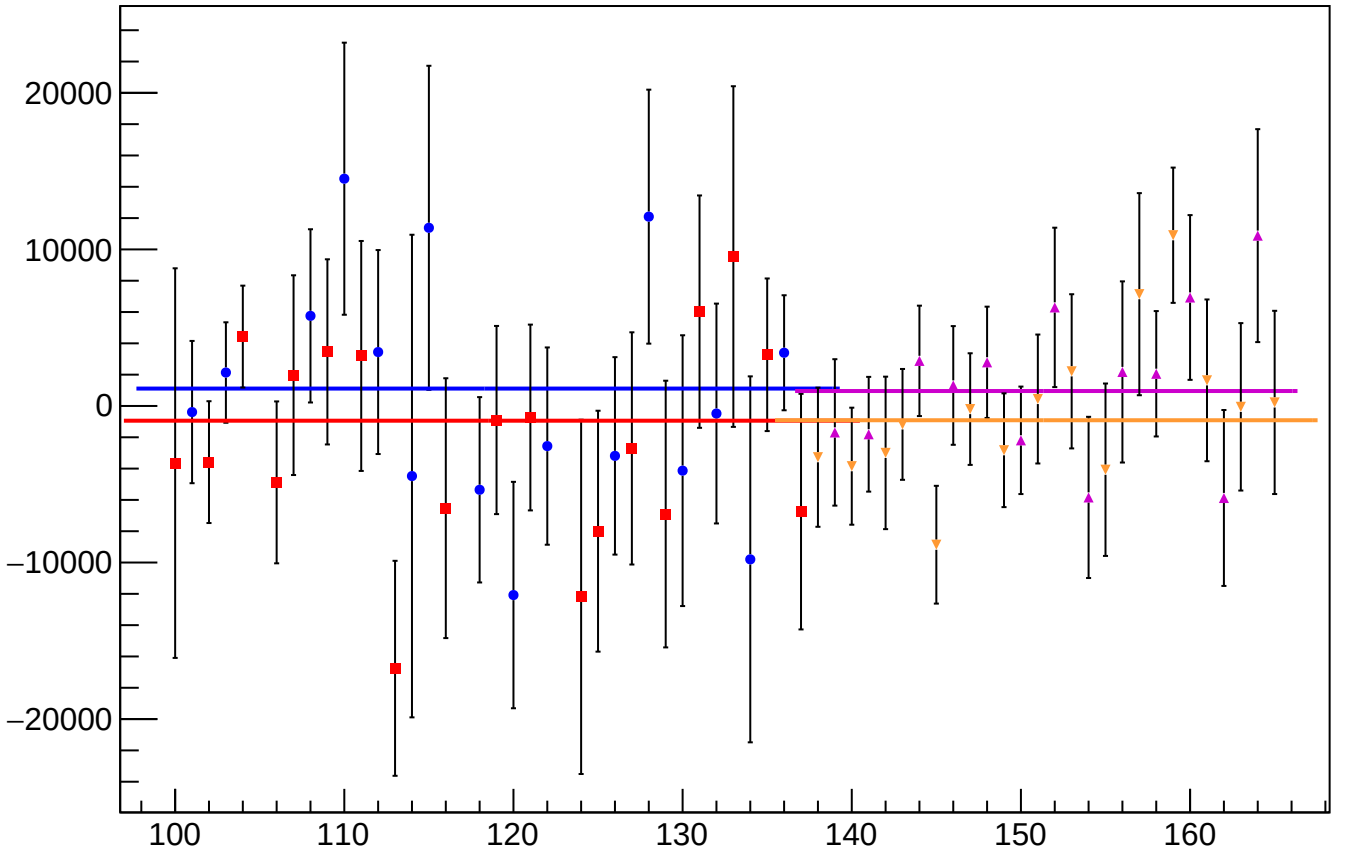
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

+ sign 1856.585+/-0.304 χ^2/NDF: 726657.8/30

All: 1852.483+/-0.216 χ^2/NDF: 963744.3/62

- sign 1848.289+/-0.307 χ^2/NDF: 236717.1/31



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -911.798+/-1131.017 χ^2/NDF:16.1/14

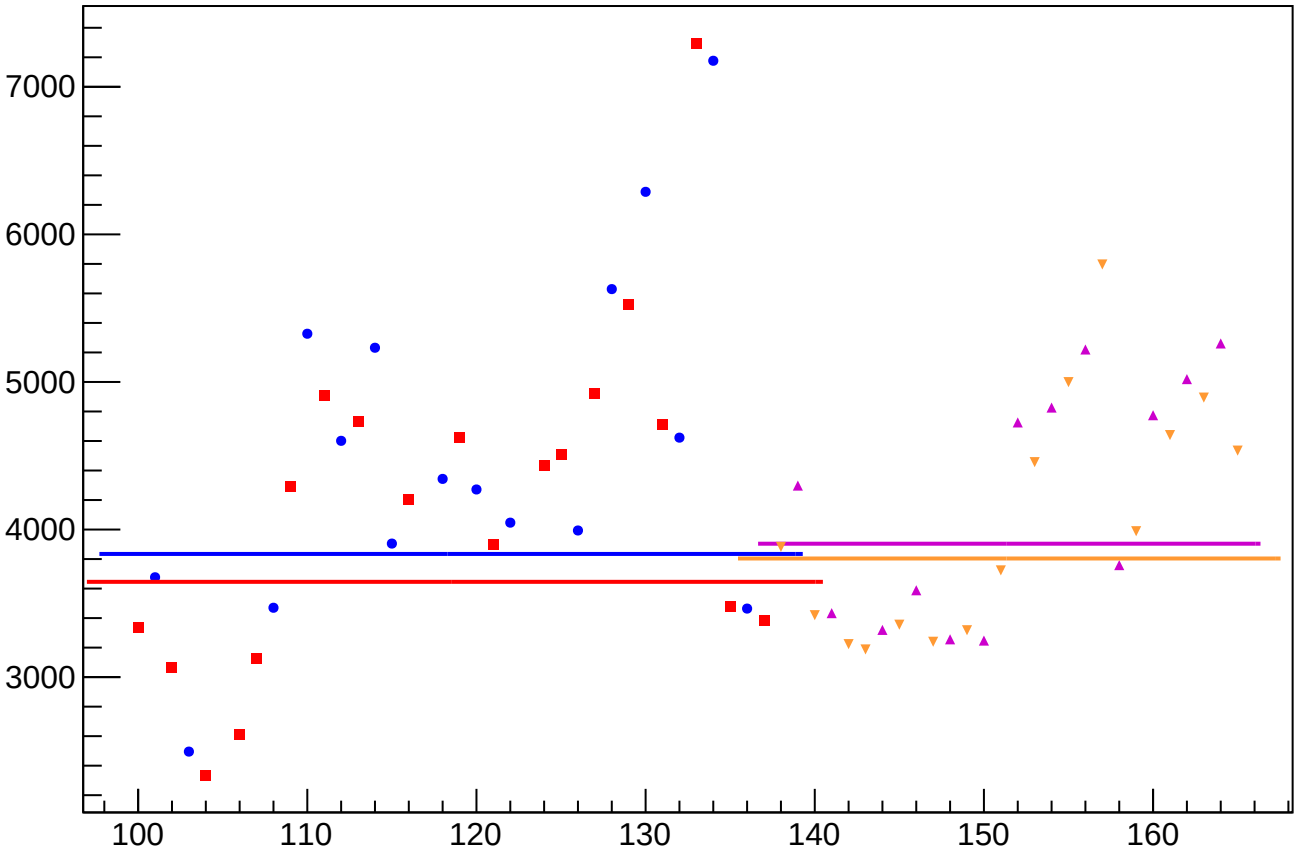
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 954.639+/-1201.933 χ^2/NDF:10.2/12

+ sign -165.462+/-898.526 χ^2/NDF: 30.6/30

All: -10.148+/-639.952 χ^2/NDF: 58.1/62

- sign 149.746+/-911.674 χ^2/NDF: 27.4/31



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3803.854+/-0.800 χ^2/NDF:716234.9/14

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

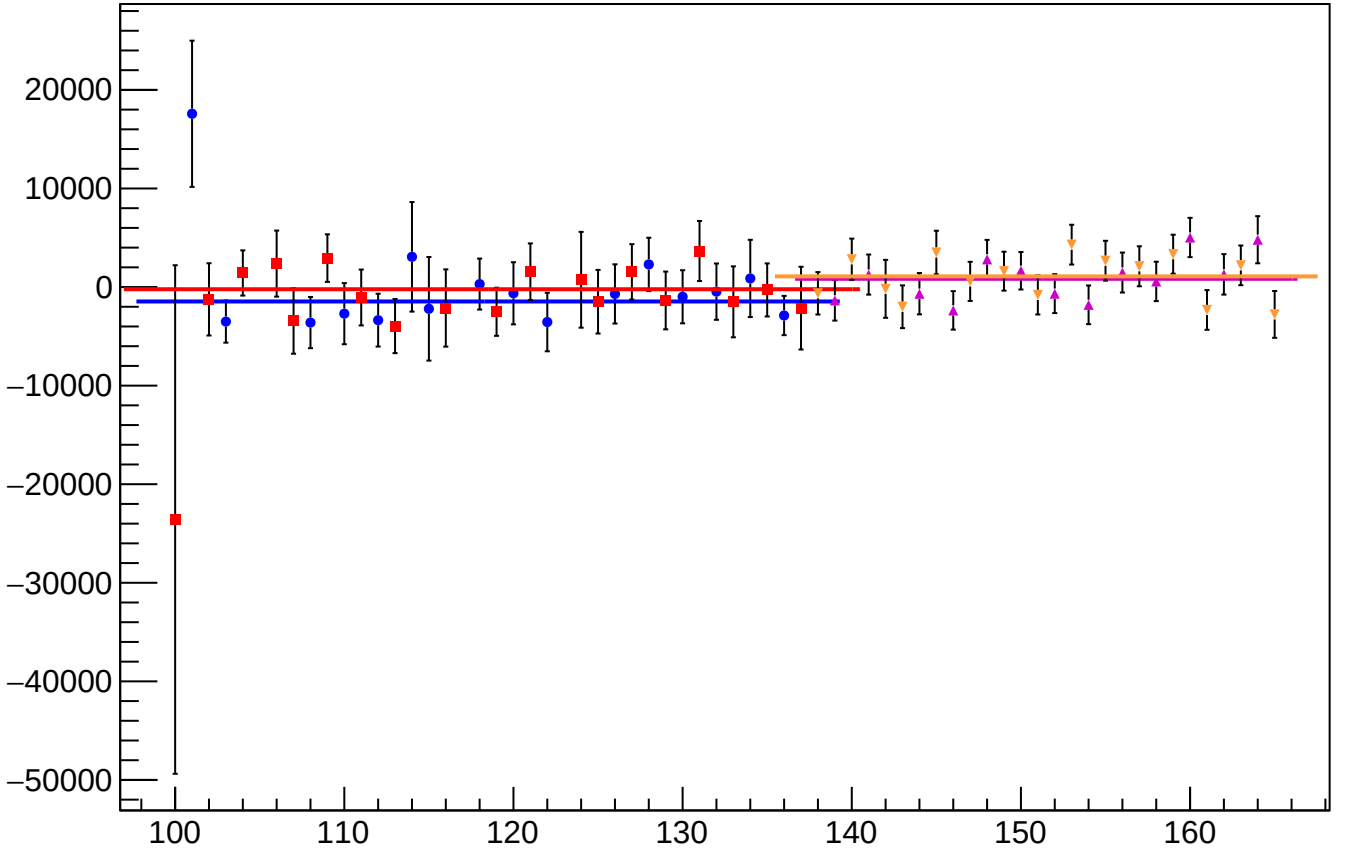
Left In: 3904.027+/-0.850 χ^2/NDF:691108.3/12

+ sign 3815.228+/-0.635 χ^2/NDF: 1673095.4/30

All: 3804.926+/-0.453 χ^2/NDF: 3528955.7/62

- sign 3794.320+/-0.645 χ^2/NDF: 1855326.6/31

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1083.375+/-542.317 χ^2/NDF:16.3/14

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

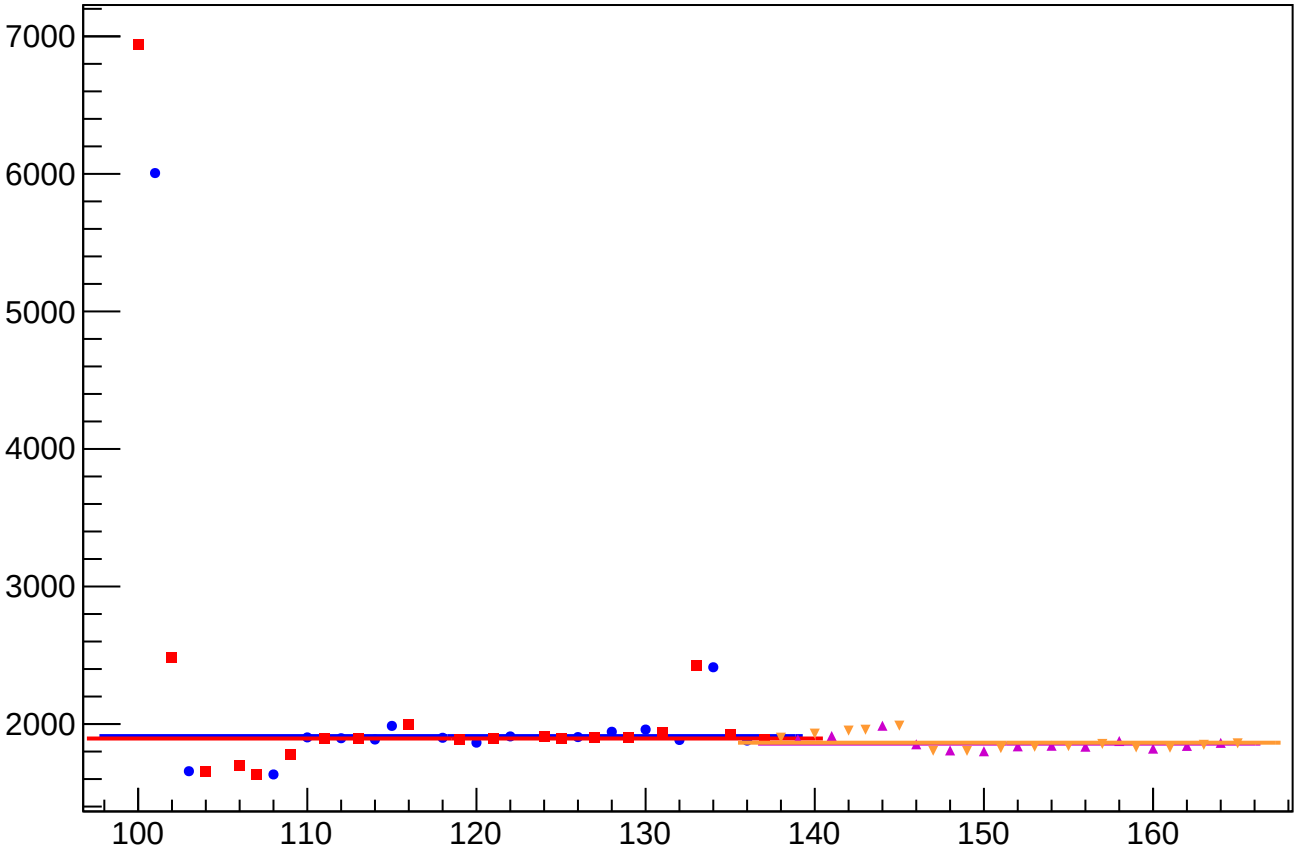
Left In: 838.600+/-560.972 χ^2/NDF:15.3/12

+ sign 175.175+/-434.966 χ^2/NDF: 37.7/30

All: 301.666+/-309.293 χ^2/NDF: 65.4/62

- sign 431.037+/-439.889 χ^2/NDF: 27.5/31

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1864.336+/-0.383 χ^2/NDF:20915.0/14

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

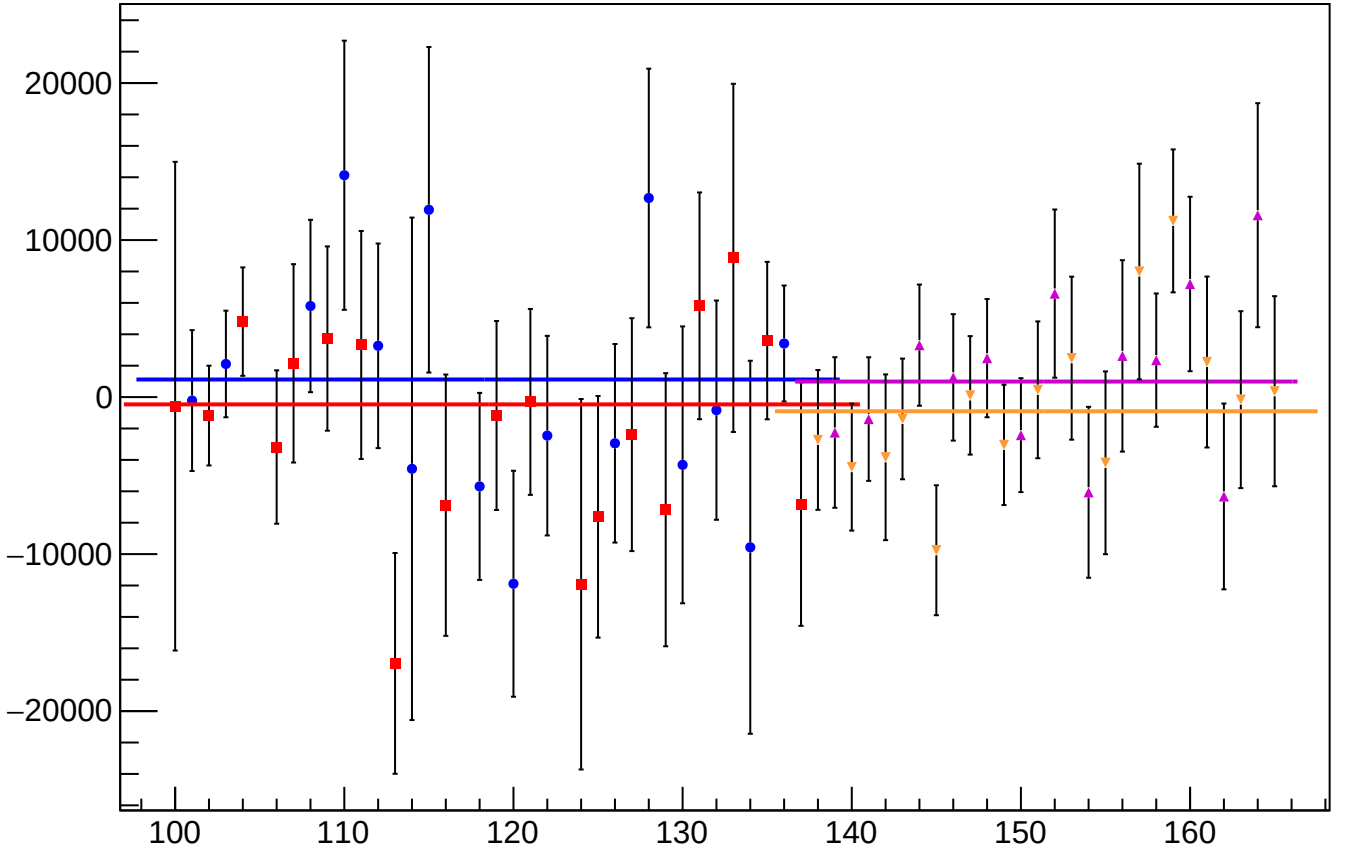
Left In: 1857.479+/-0.397 χ^2/NDF:14162.7/12

+ sign 1881.473+/-0.308 χ^2/NDF: 722734.1/30

All: 1876.717+/-0.219 χ^2/NDF: 960568.8/62

- sign 1871.857+/-0.311 χ^2/NDF: 237351.2/31

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -904.018+/-1200.964 χ^2/NDF:16.2/14

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

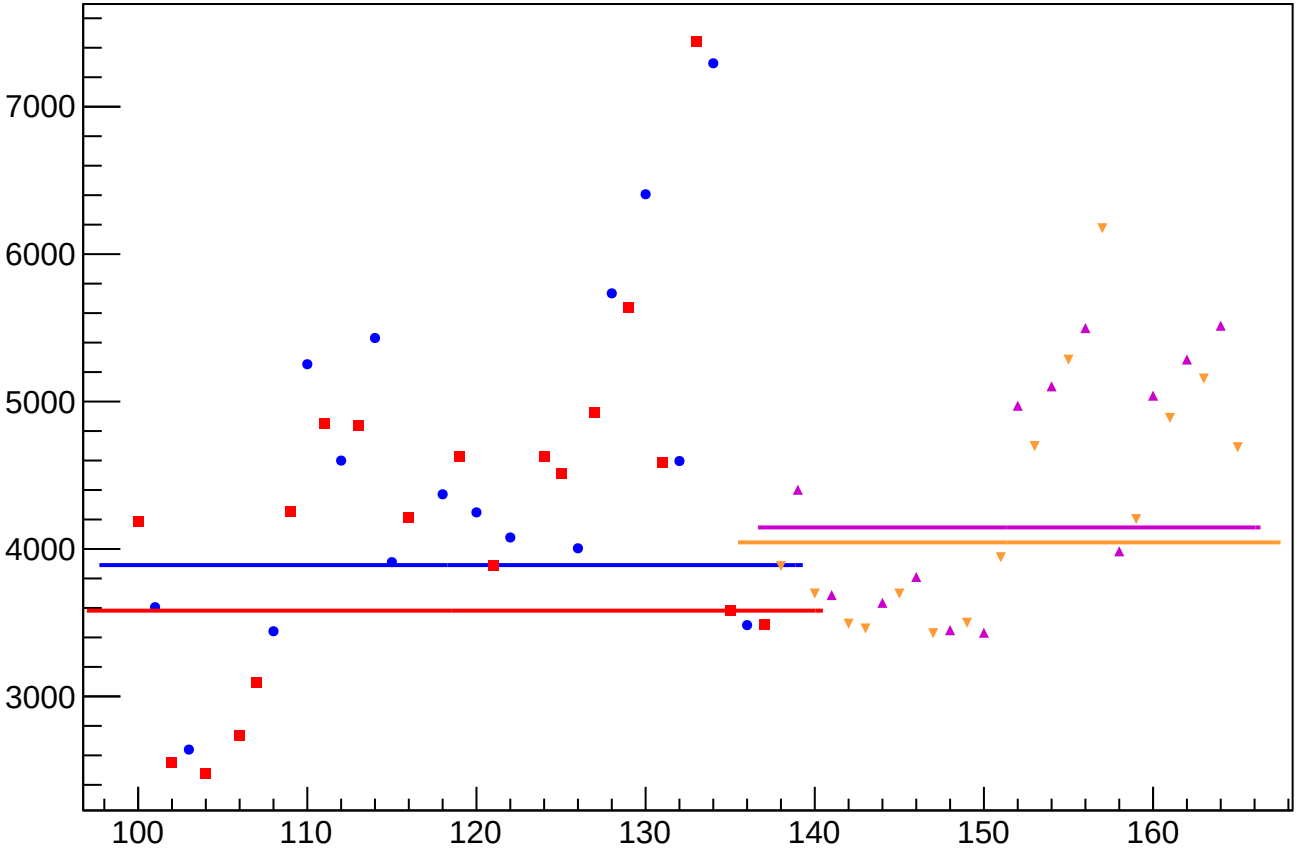
Left In: 989.527+/-1275.019 χ^2/NDF:10.2/12

+ sign -111.817+/-936.932 χ^2/NDF: 30.8/30

All: 102.427+/-661.332 χ^2/NDF: 56.7/62

- sign 315.153+/-933.607 χ^2/NDF: 25.8/31

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4044.645+/-0.849 χ^2/NDF:660436.8/14

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

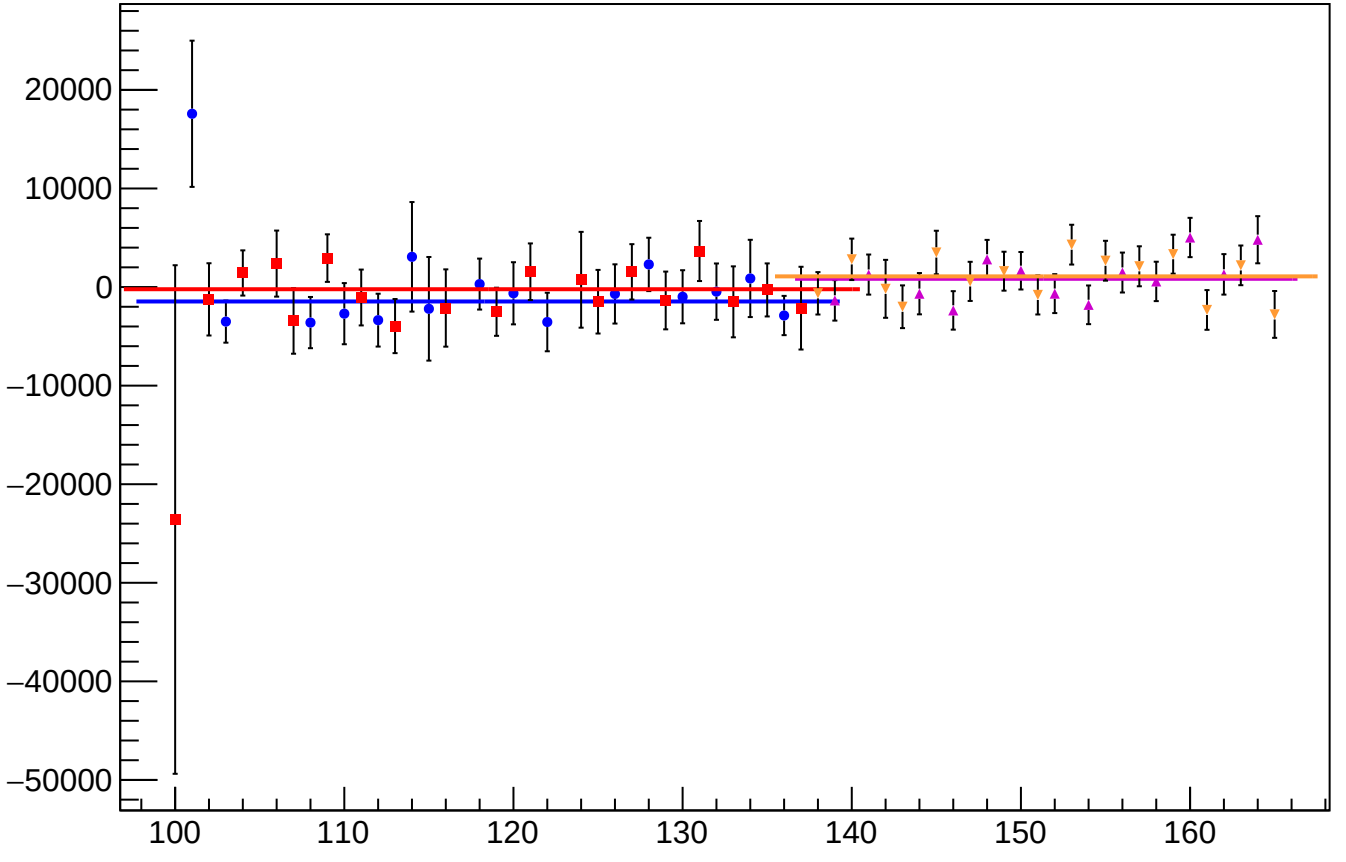
Left In: 4146.028+/-0.902 χ^2/NDF:638258.6/12

+ sign 3984.399+/-0.663 χ^2/NDF: 1551715.0/30

All: 3934.175+/-0.468 χ^2/NDF: 3604960.7/62

- sign 3884.307+/-0.660 χ^2/NDF: 2041792.6/31

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1083.385+/-542.317 χ^2/NDF:16.3/14

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

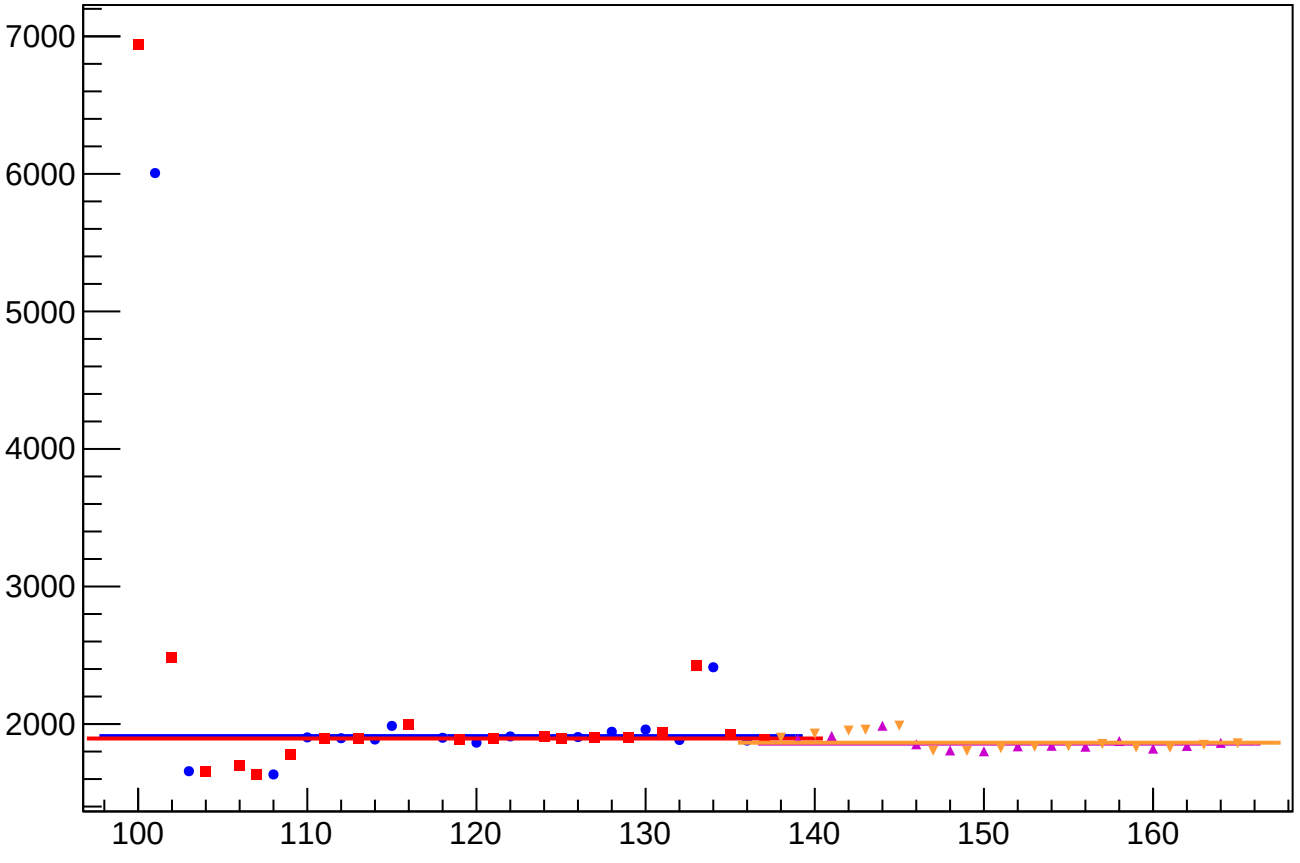
Left In: 838.601+/-560.972 χ^2/NDF:15.3/12

+ sign 175.179+/-434.966 χ^2/NDF: 37.7/30

All: 301.670+/-309.293 χ^2/NDF: 65.4/62

- sign 431.040+/-439.889 χ^2/NDF: 27.5/31

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1864.336+/-0.383 χ^2/NDF:20914.9/14

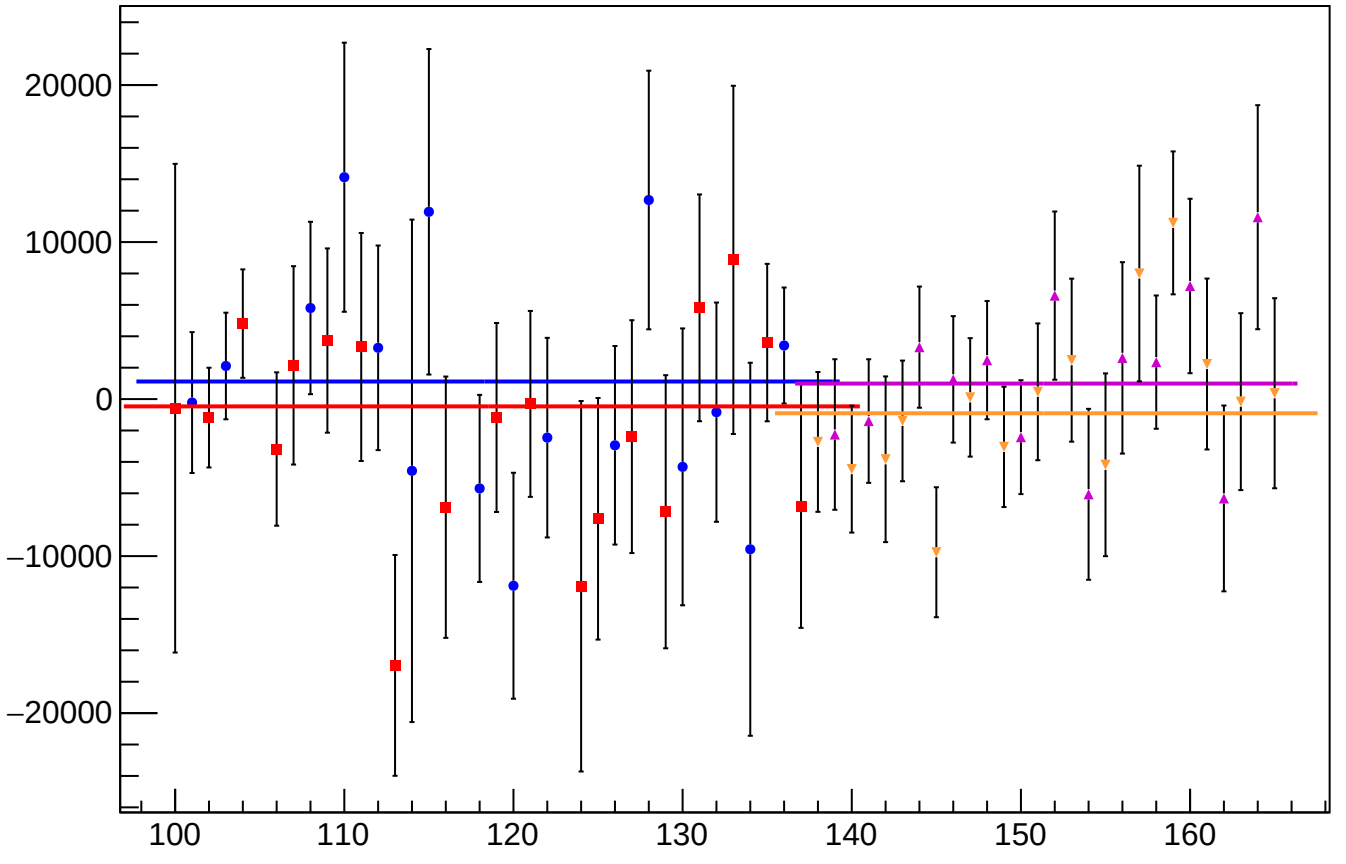
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.480+/-0.397 χ^2/NDF:14162.6/12

+ sign 1881.474+/-0.308 χ^2/NDF: 722733.7/30

All: 1876.718+/-0.219 χ^2/NDF: 960568.1/62

- sign 1871.857+/-0.311 χ^2/NDF: 237350.9/31



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -904.015+/-1200.966 χ^2/NDF:16.2/14

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

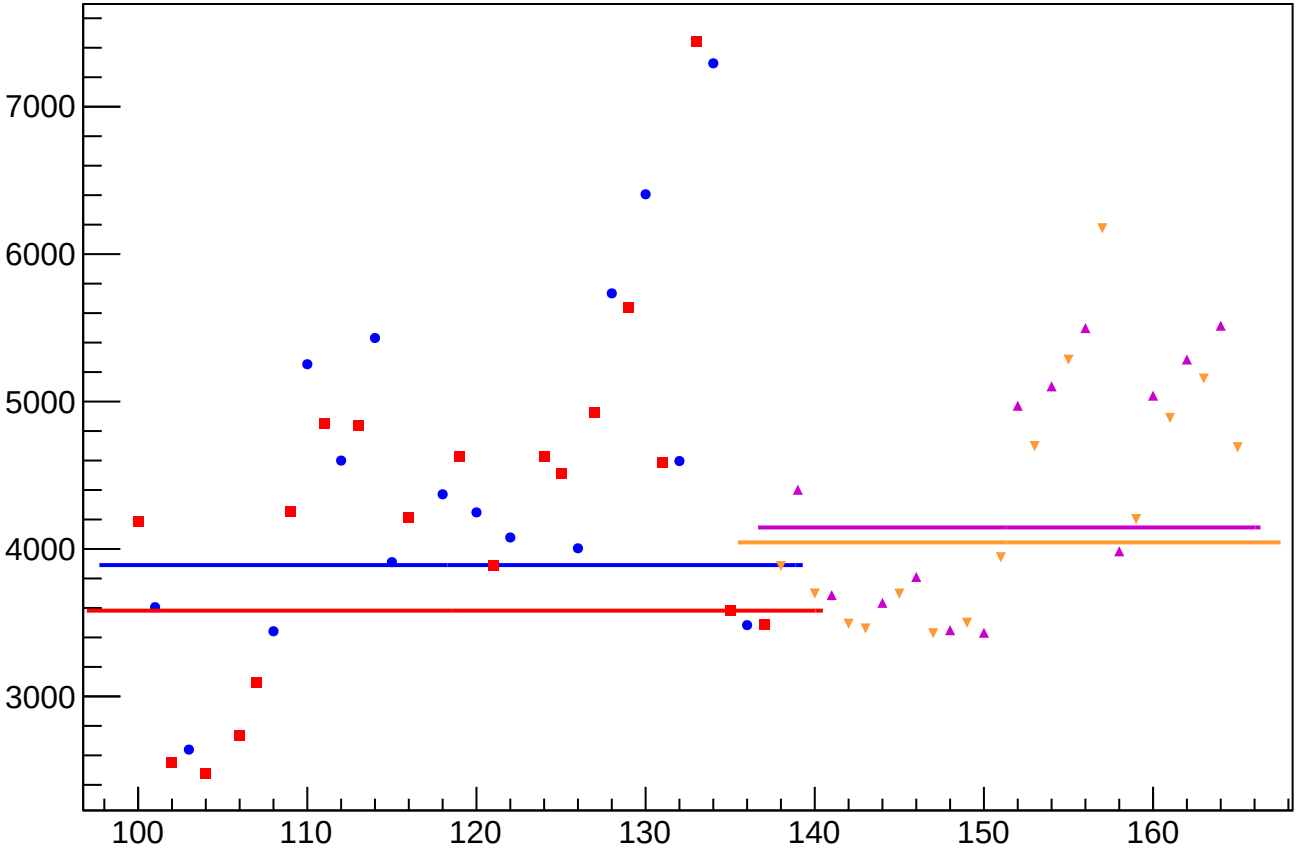
Left In: 989.525+/-1275.021 χ^2/NDF:10.2/12

+ sign -111.819+/-936.933 χ^2/NDF: 30.8/30

All: 102.425+/-661.332 χ^2/NDF: 56.7/62

- sign 315.150+/-933.607 χ^2/NDF: 25.8/31

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4044.651+/-0.849 χ^2/NDF:660438.1/14

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

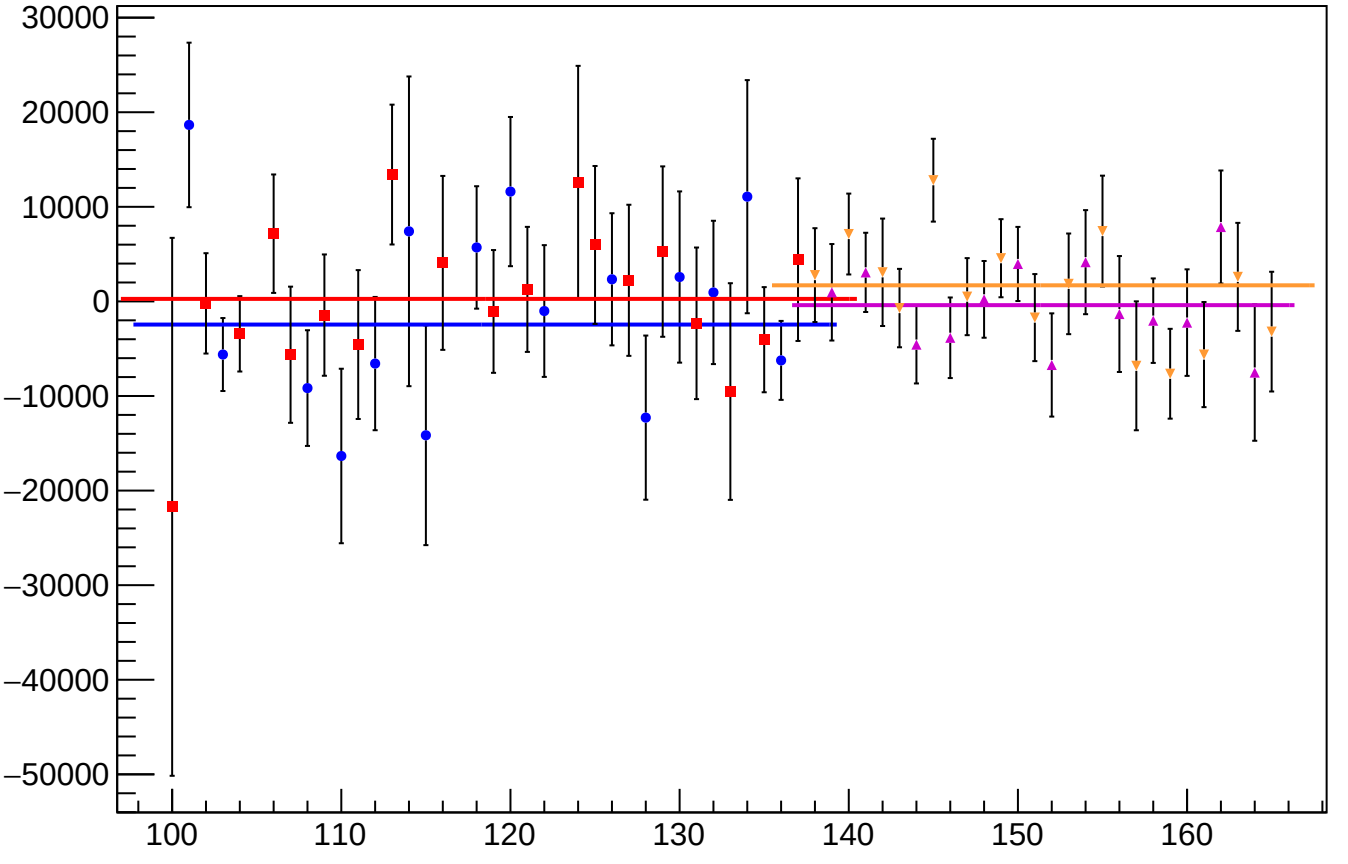
Left In: 4146.034+/-0.902 χ^2/NDF:638259.9/12

+ sign 3984.402+/-0.663 χ^2/NDF: 1551708.8/30

All: 3934.177+/-0.468 χ^2/NDF: 3604953.3/62

- sign 3884.308+/-0.660 χ^2/NDF: 2041791.0/31

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1701.252+/-1268.761 χ^2/NDF:18.4/14

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

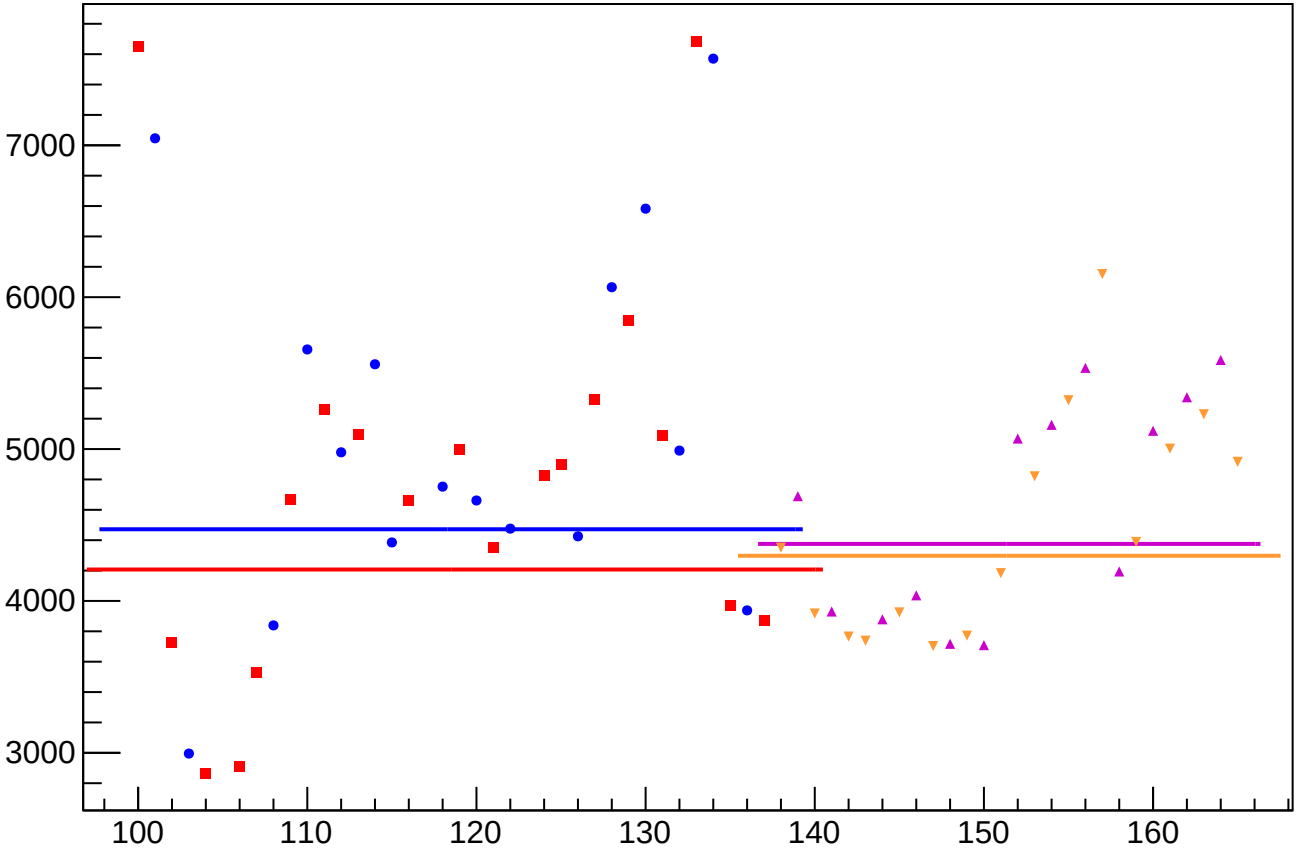
Left In: -396.136+/-1338.753 χ^2/NDF:8.9/12

+ sign 238.684+/-1020.964 χ^2/NDF: 43.0/30

All: 57.428+/-726.023 χ^2/NDF: 62.7/62

- sign -127.997+/-1032.638 χ^2/NDF: 19.7/31

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4297.436+/-0.897 χ^2/NDF:494696.5/14

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

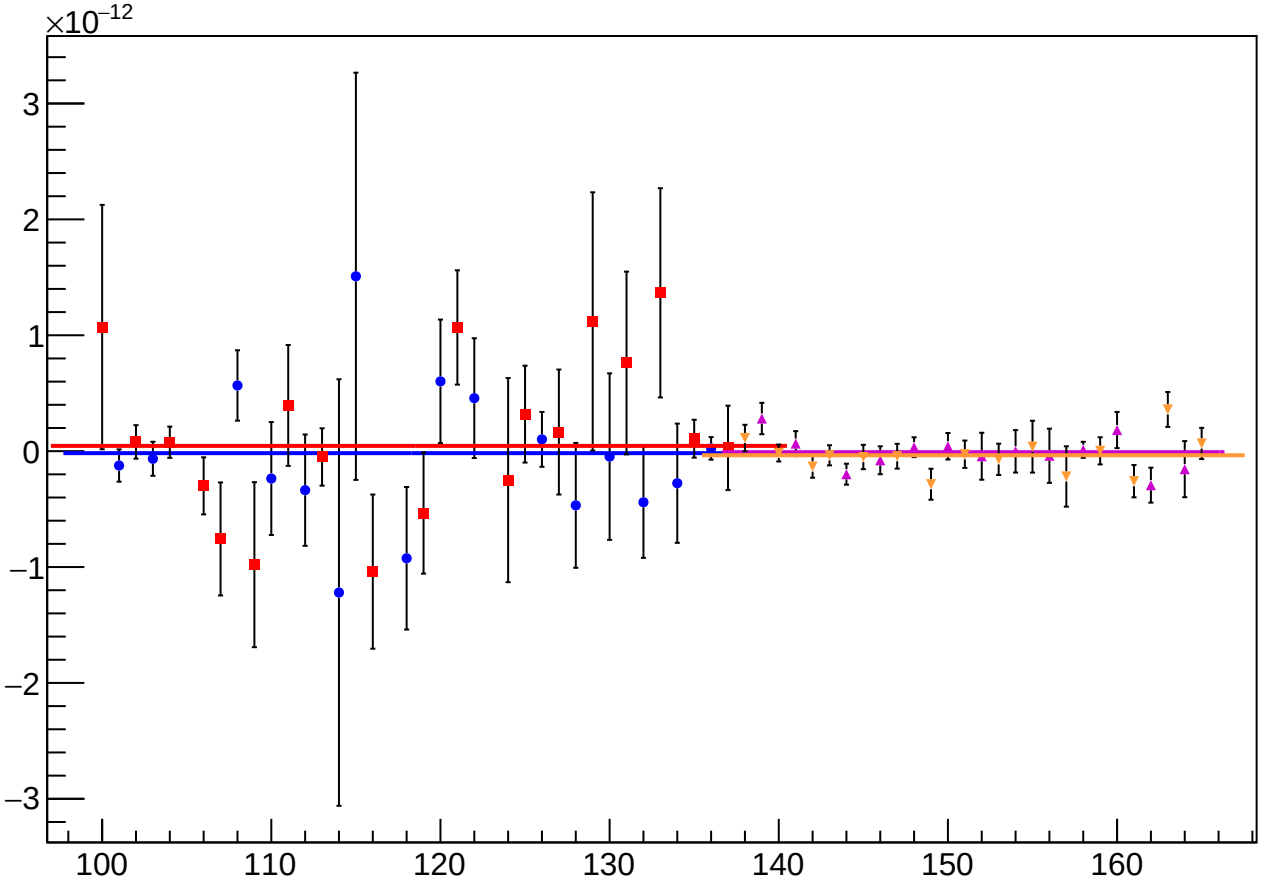
Left In: 4375.557+/-0.947 χ^2/NDF:473848.2/12

+ sign 4358.930+/-0.722 χ^2/NDF: 1399704.7/30

All: 4332.966+/-0.513 χ^2/NDF: 2735667.0/62

- sign 4306.582+/-0.728 χ^2/NDF: 1333354.4/31

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:17.1/14

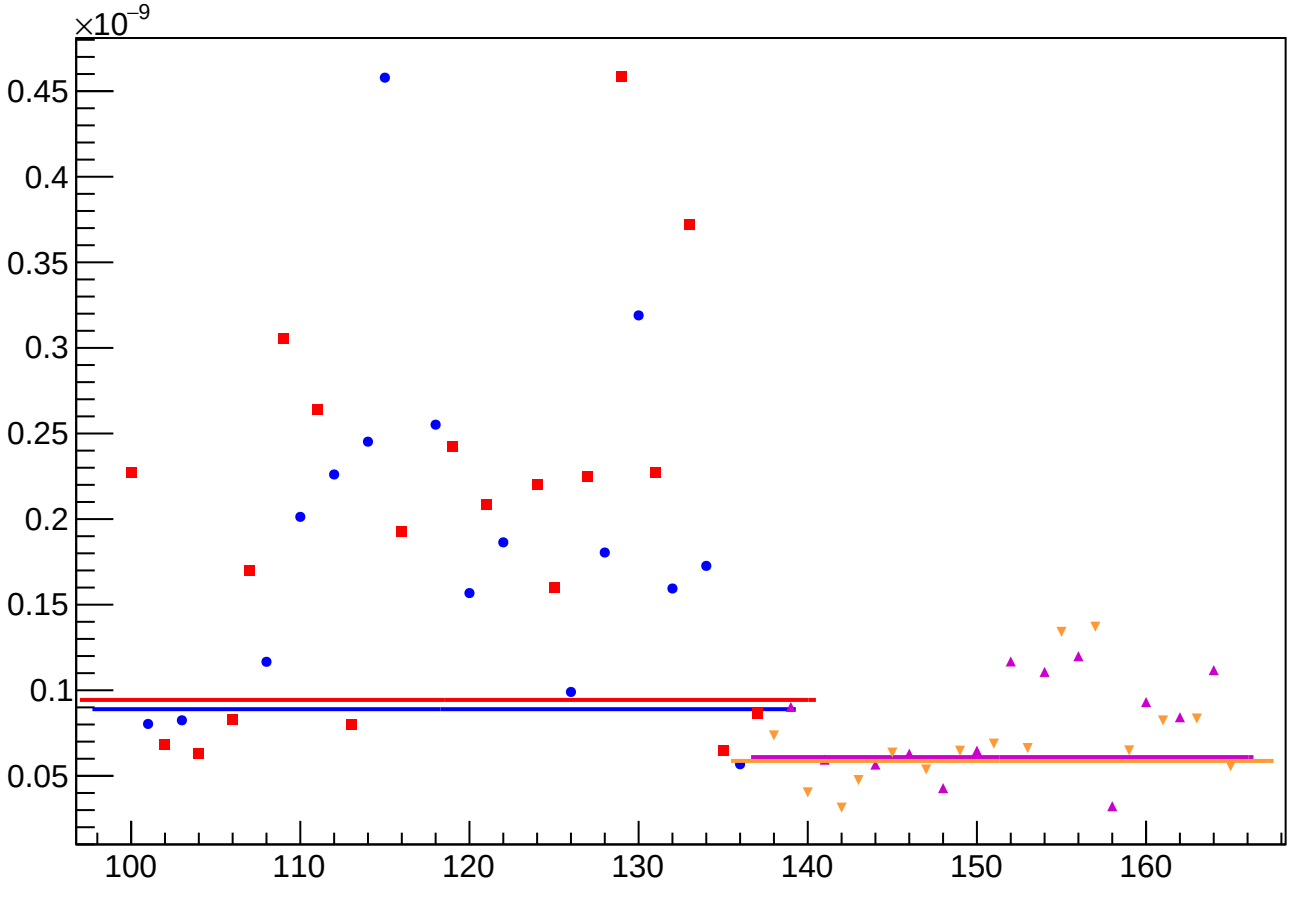
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/30

All: -0.000+/-0.000 χ^2/NDF: 68.2/62

- sign 0.000+/-0.000 χ^2/NDF: 37.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:913437.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

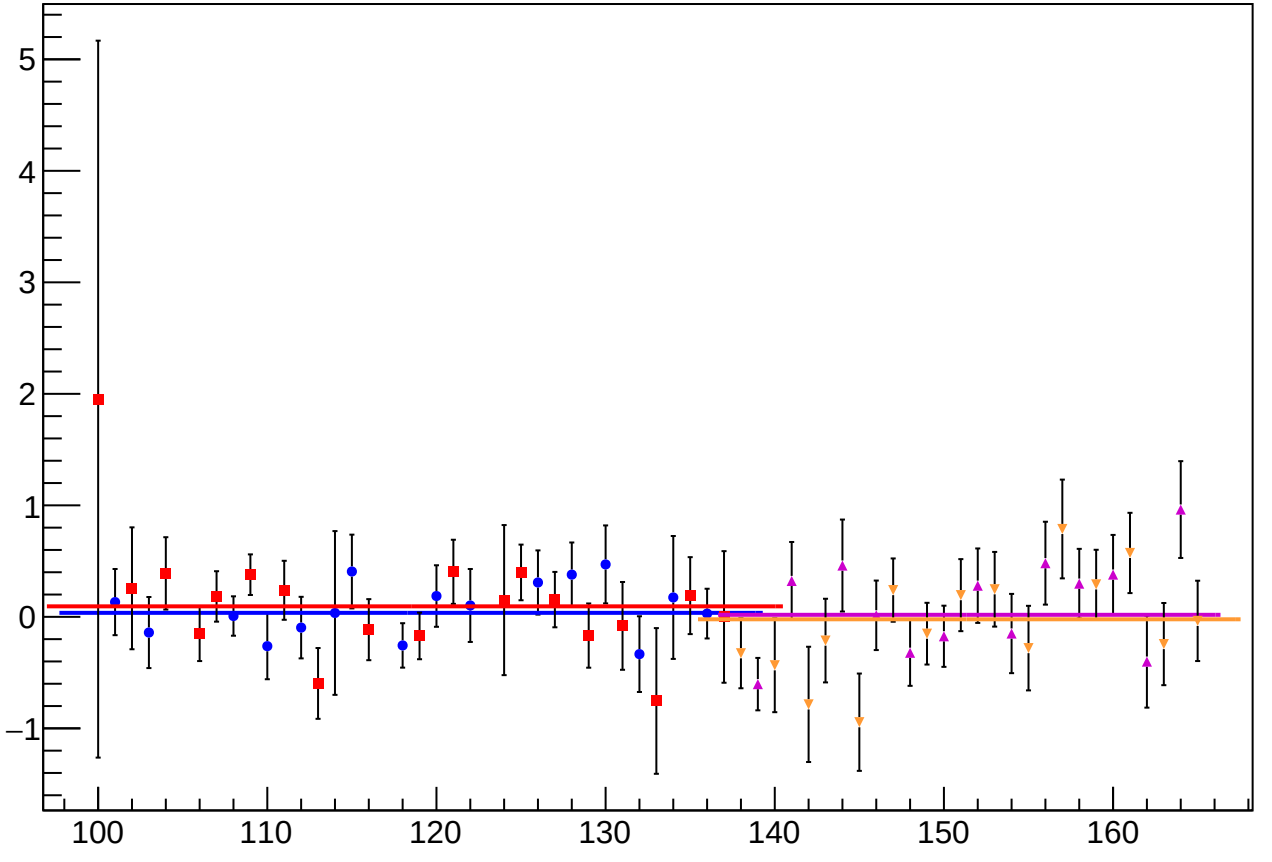
Left In: 0.000+/-0.000 χ^2/NDF:1183482.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 2534978.4/30

All: 0.000+/-0.000 χ^2/NDF: 5813575.7/62

- sign 0.000+/-0.000 χ^2/NDF: 3269099.2/31

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

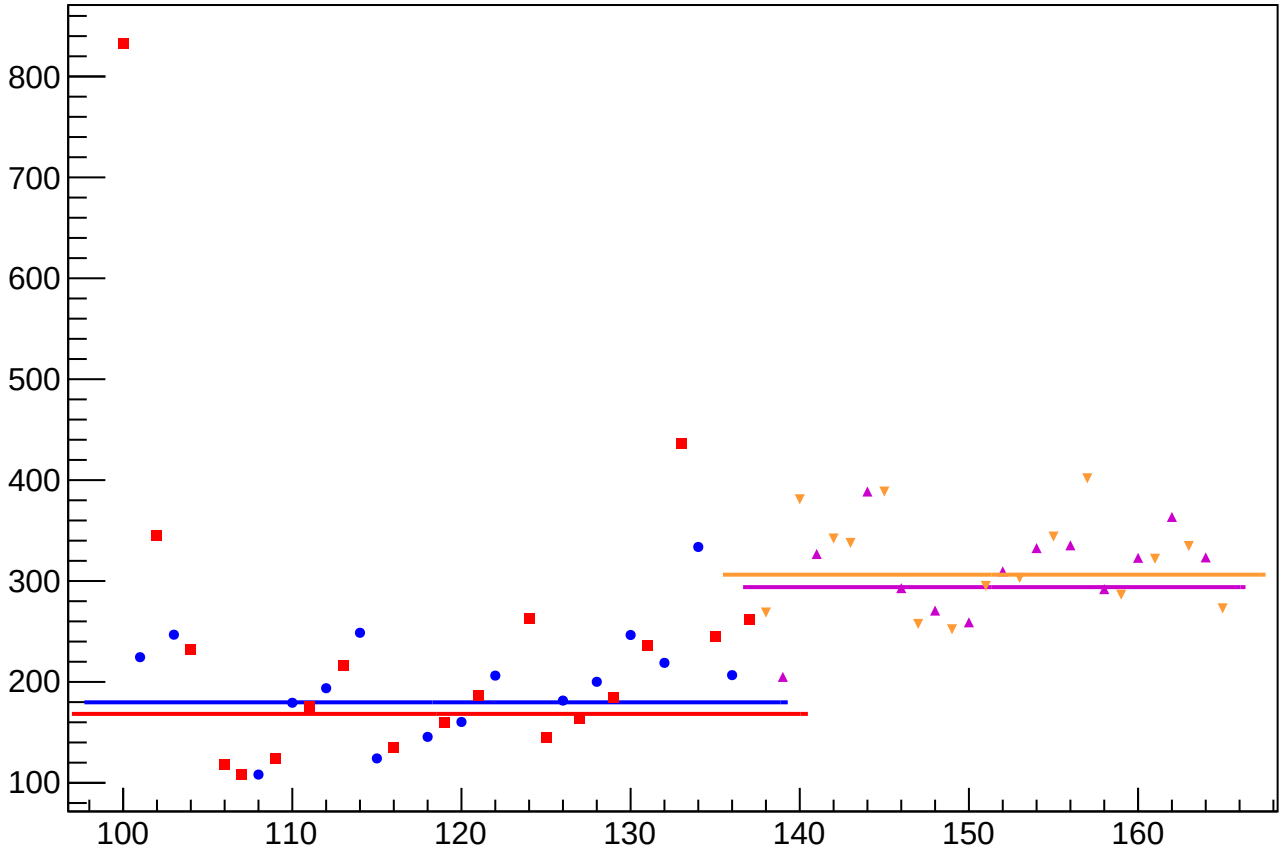
Left In: 0.018+/-0.091 χ^2/NDF:20.7/12

+ sign 0.014+/-0.056 χ^2/NDF: 29.7/30

All: 0.041+/-0.039 χ^2/NDF: 68.9/62

- sign 0.067+/-0.054 χ^2/NDF: 38.8/31

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 306.289+/-0.064 χ^2/NDF:478583.0/14

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

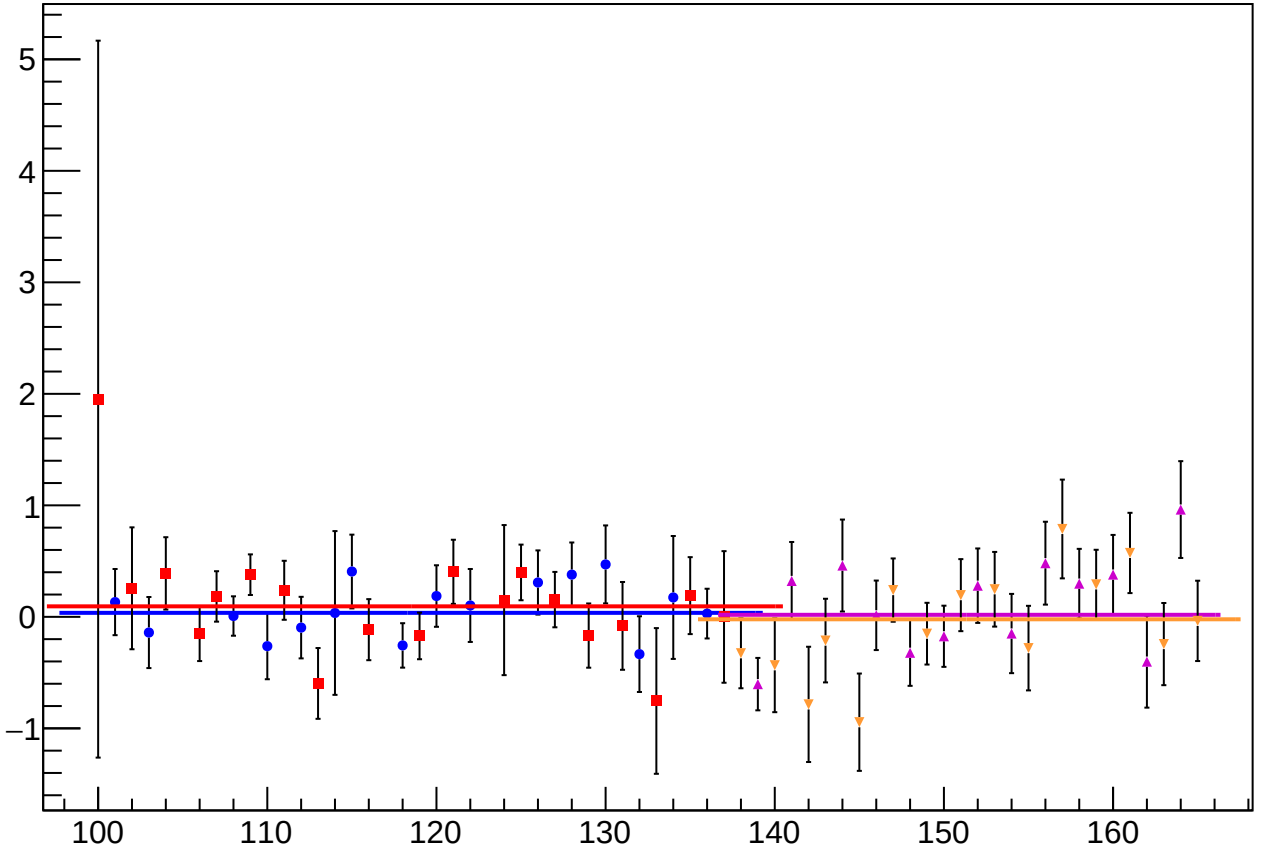
Left In: 293.960+/-0.064 χ^2/NDF:586588.1/12

+ sign 227.386+/-0.039 χ^2/NDF: 3814039.9/30

All: 220.002+/-0.028 χ^2/NDF: 8331445.1/62

- sign 212.996+/-0.038 χ^2/NDF: 4449012.6/31

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: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

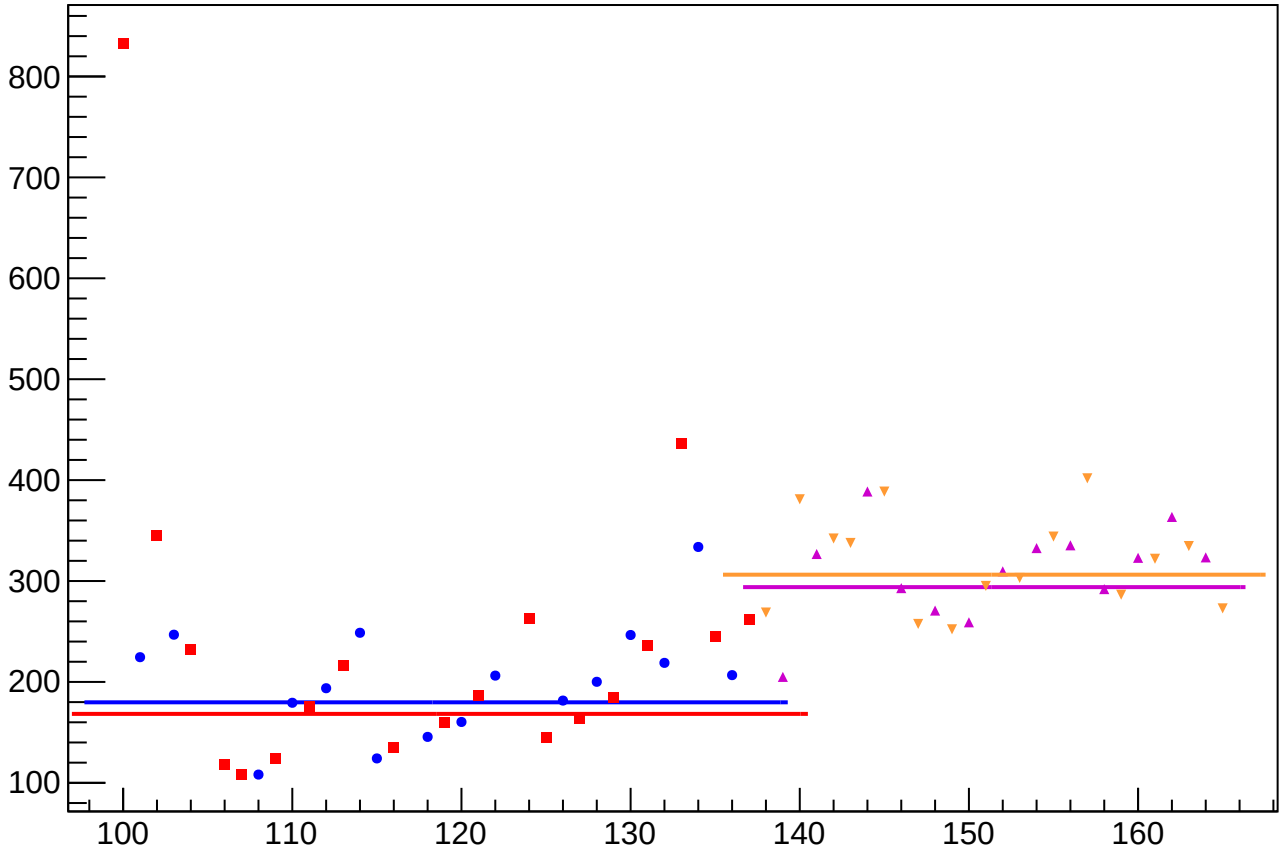
Left In: 0.018+/-0.091 χ^2/NDF:20.7/12

+ sign 0.014+/-0.056 χ^2/NDF: 29.7/30

All: 0.041+/-0.039 χ^2/NDF: 68.9/62

- sign 0.067+/-0.054 χ^2/NDF: 38.8/31

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 306.289+/-0.064 χ^2/NDF:478583.0/14

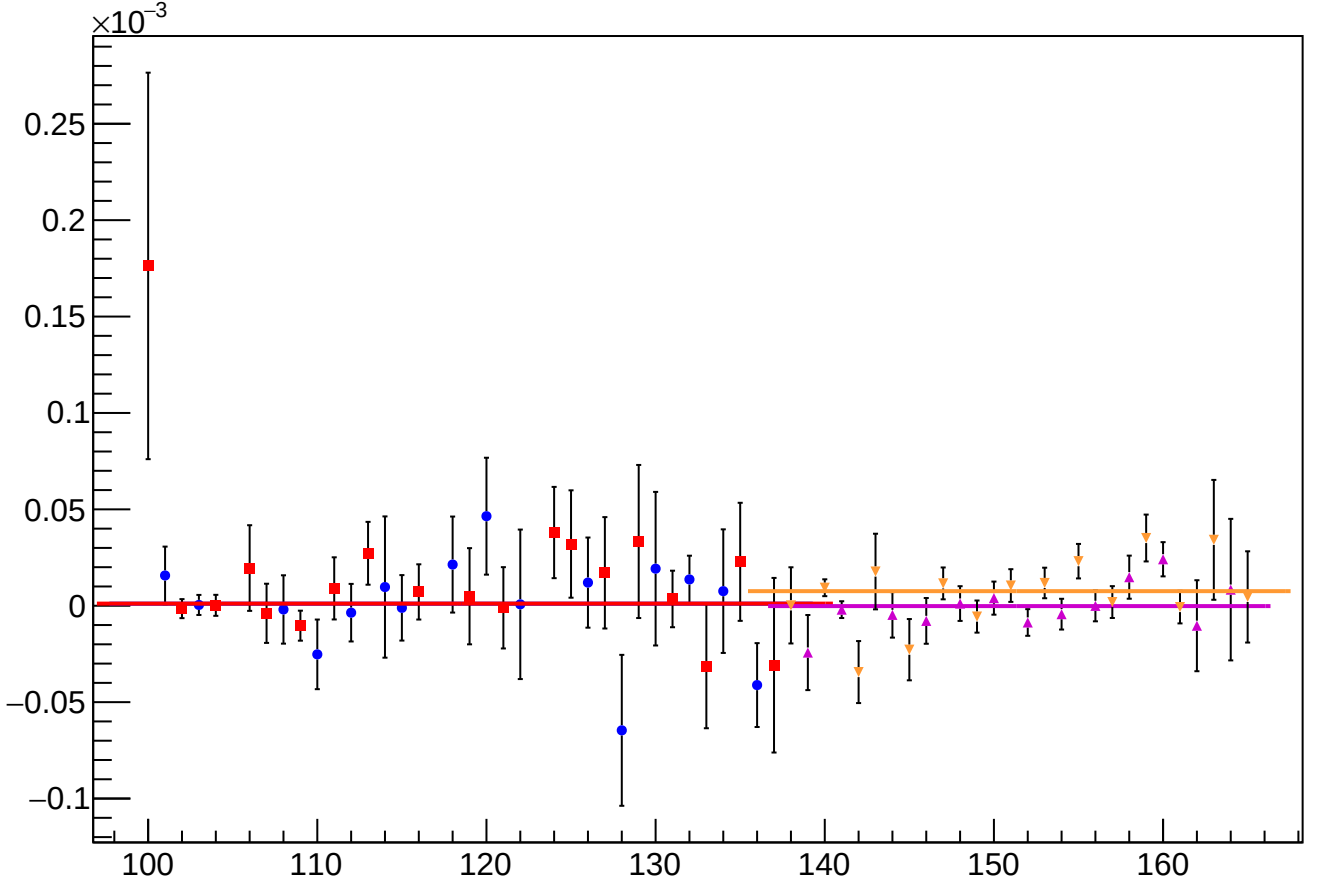
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 293.960+/-0.064 χ^2/NDF:586588.1/12

+ sign 227.386+/-0.039 χ^2/NDF: 3814039.9/30

All: 220.002+/-0.028 χ^2/NDF: 8331445.1/62

- sign 212.996+/-0.038 χ^2/NDF: 4449012.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

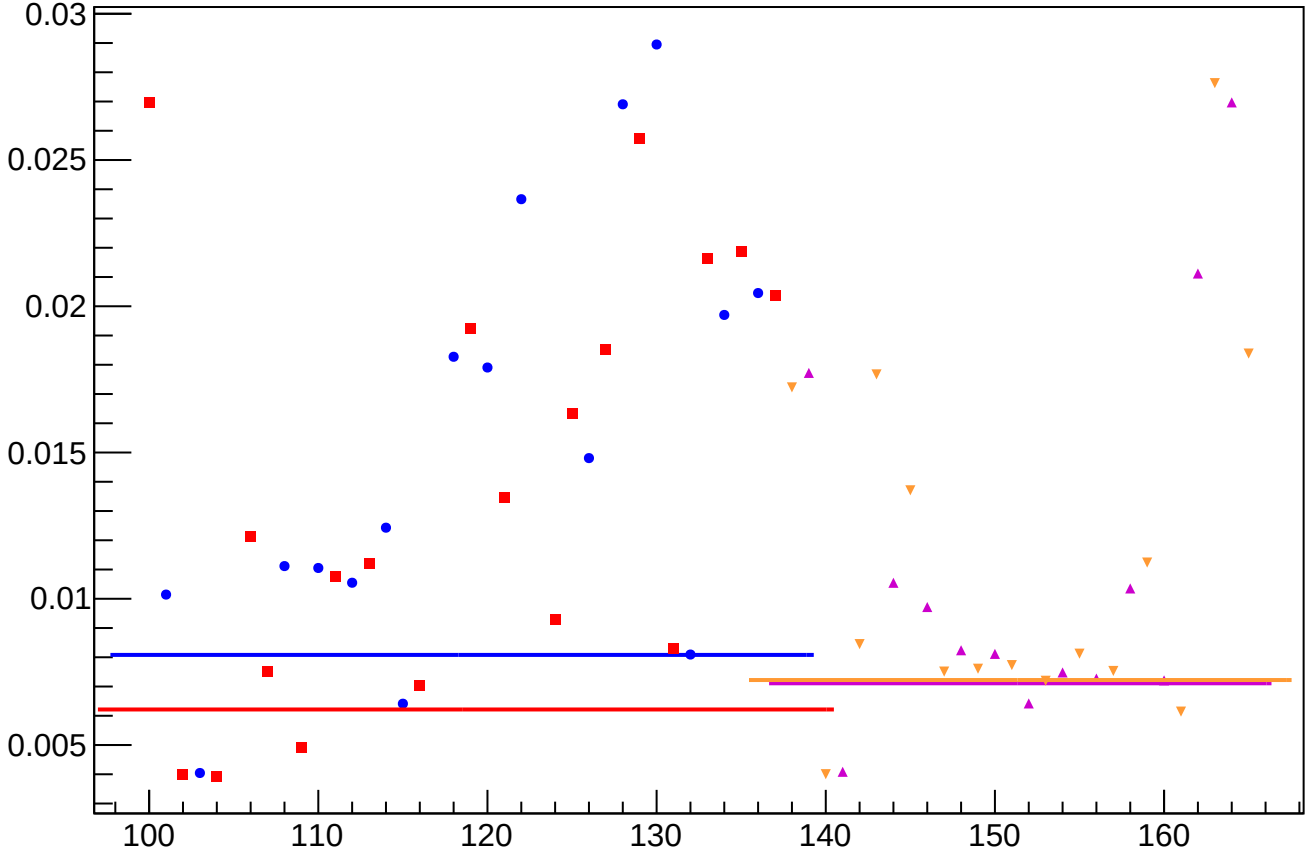
Left In: -0.000+/-0.000 χ^2/NDF:13.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/30

All: 0.000+/-0.000 χ^2/NDF: 74.7/62

- sign 0.000+/-0.000 χ^2/NDF: 30.0/31

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4106778.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

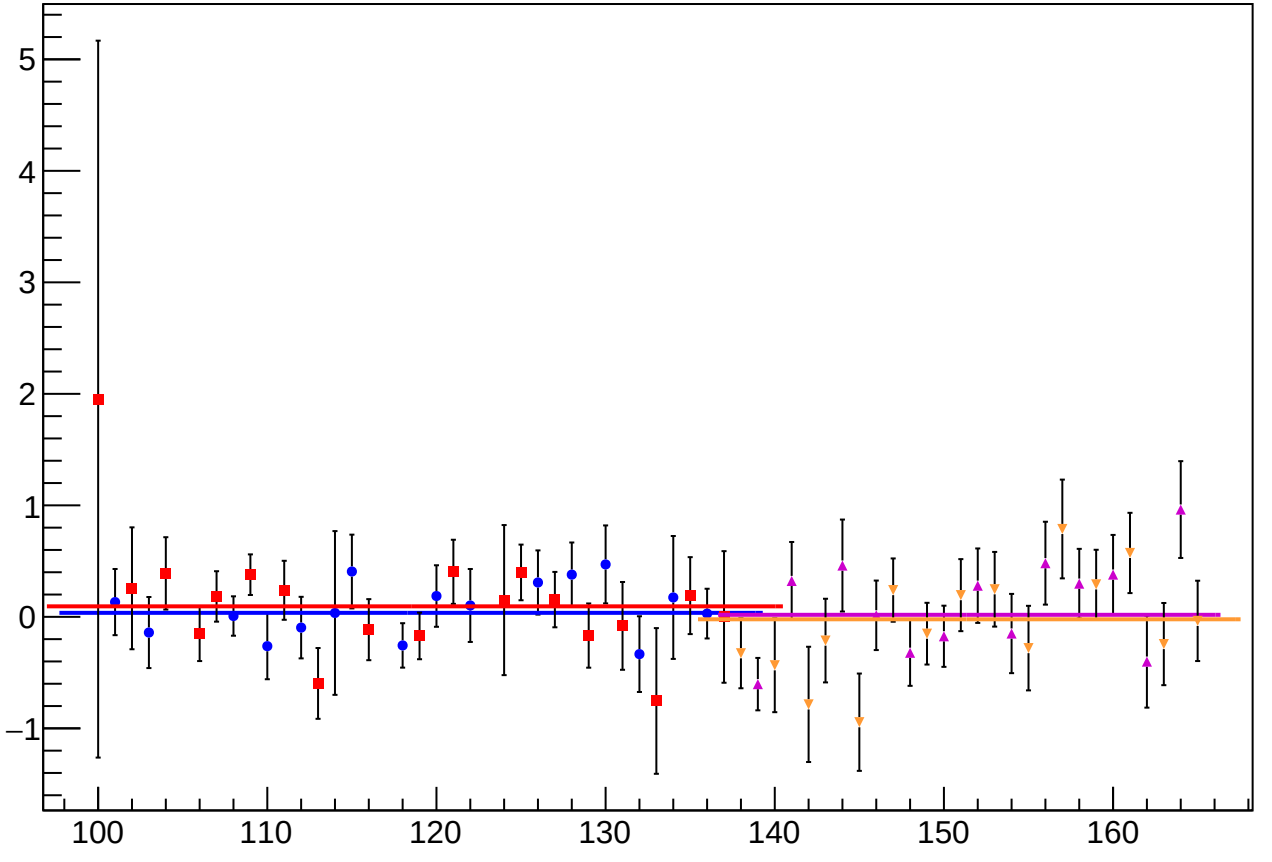
Left In: 0.007+/-0.000 χ^2/NDF:3369765.1/12

+ sign 0.007+/-0.000 χ^2/NDF: 8595941.3/30

All: 0.007+/-0.000 χ^2/NDF: 16792184.6/62

- sign 0.007+/-0.000 χ^2/NDF: 8047134.5/31

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: -0.022+/-0.091 χ^2/NDF:18.9/14

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

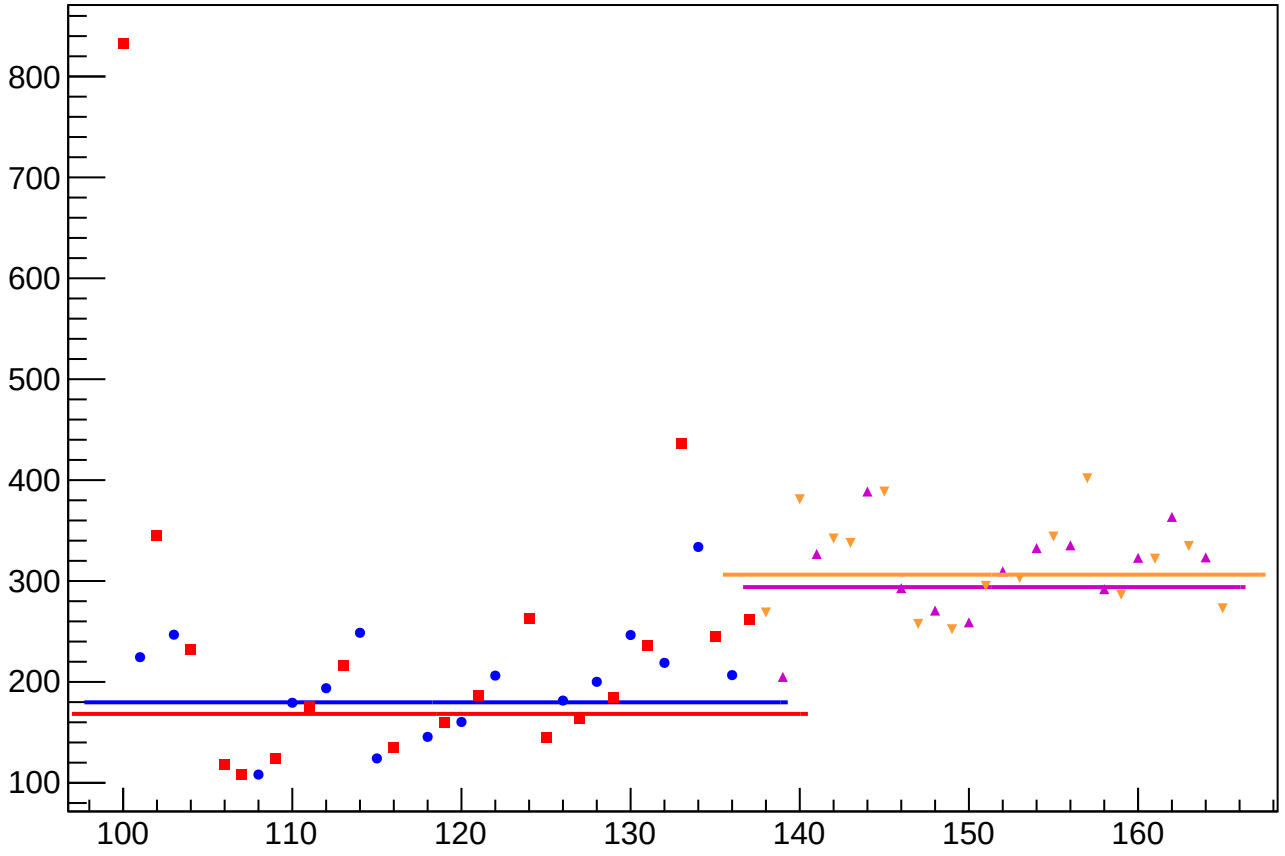
Left In: 0.018+/-0.091 χ^2/NDF:20.7/12

+ sign 0.014+/-0.056 χ^2/NDF: 29.7/30

All: 0.041+/-0.039 χ^2/NDF: 68.9/62

- sign 0.067+/-0.054 χ^2/NDF: 38.8/31

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 306.294+/-0.064 χ^2/NDF:478563.1/14

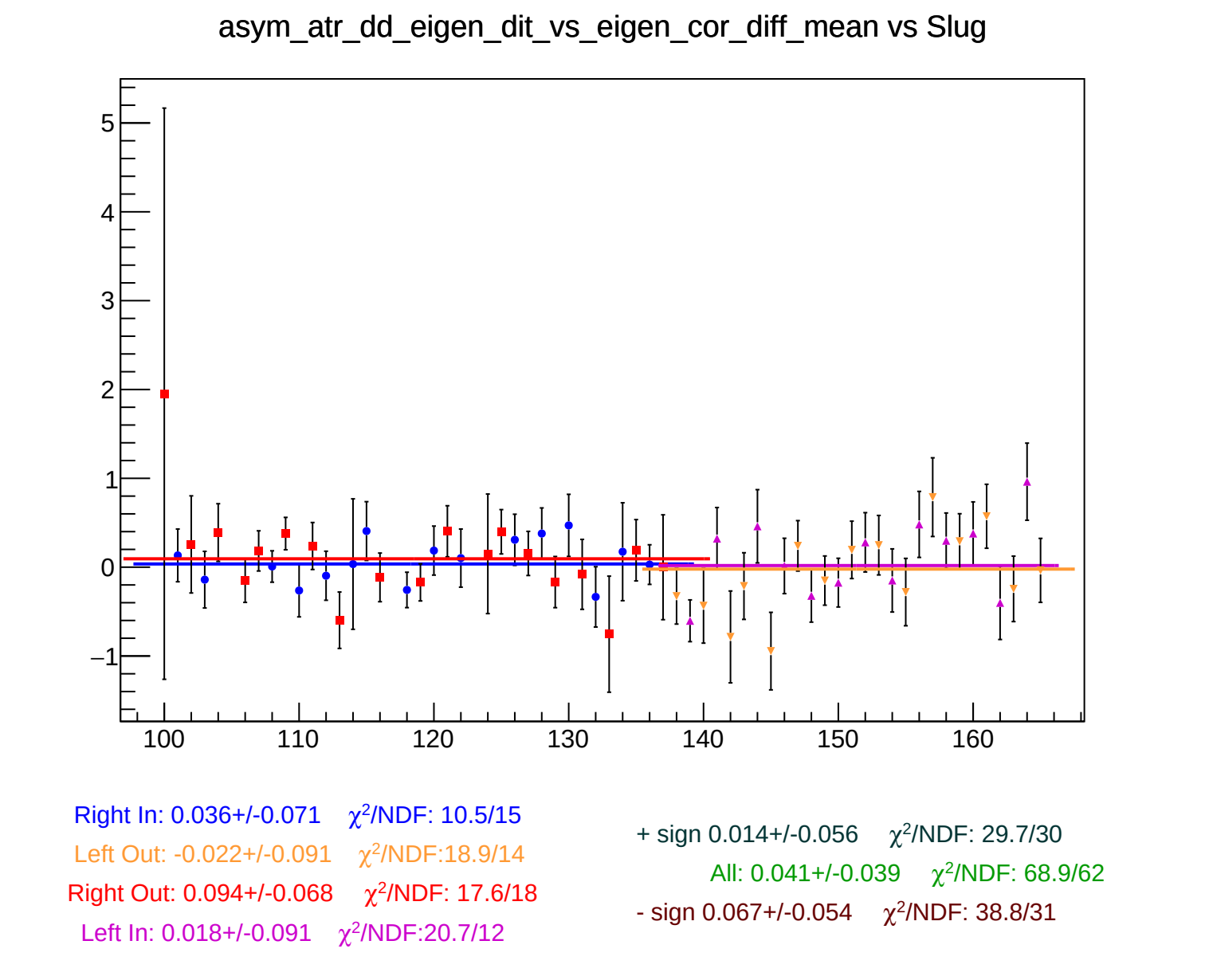
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

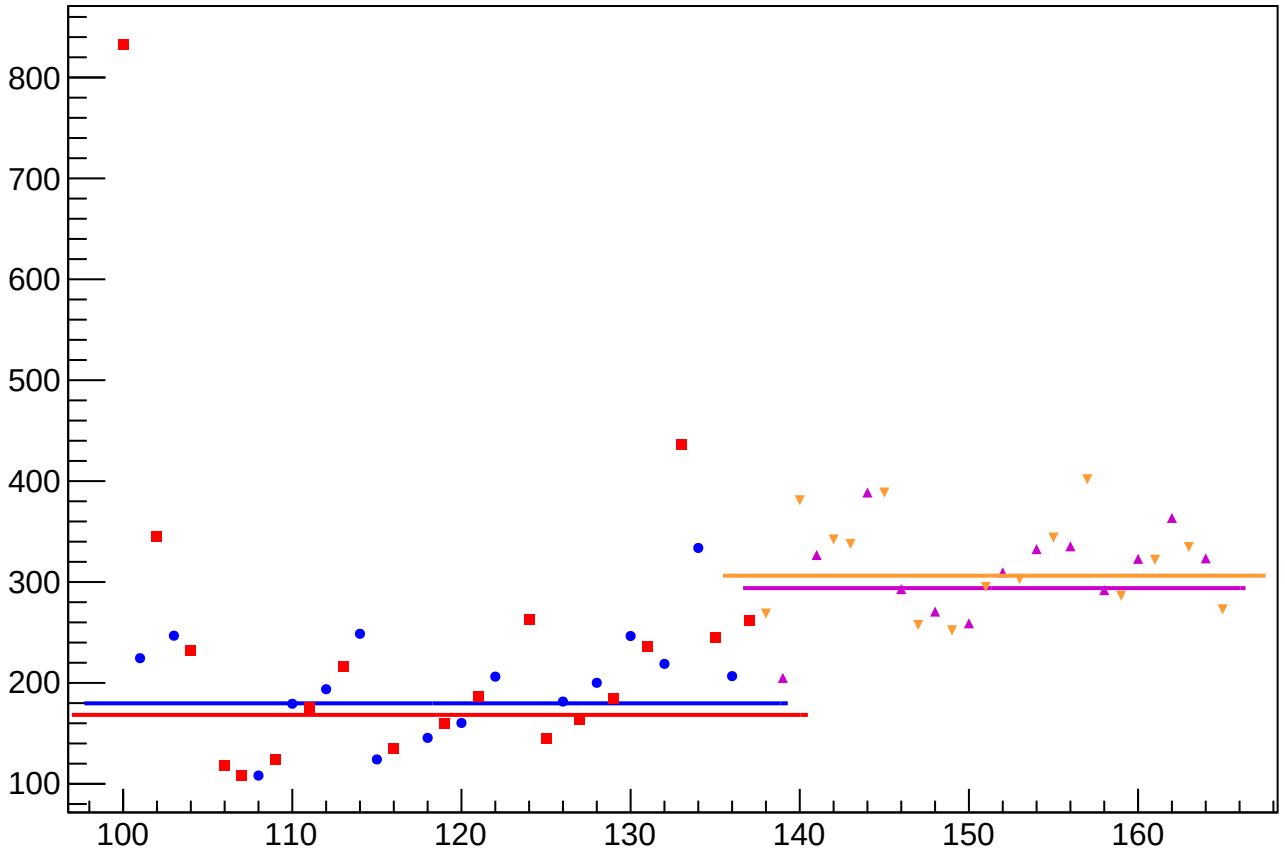
Left In: 293.964+/-0.064 χ^2/NDF:586574.2/12

+ sign 227.385+/-0.039 χ^2/NDF: 3814342.3/30

All: 220.002+/-0.028 χ^2/NDF: 8331855.7/62

- sign 212.997+/-0.038 χ^2/NDF: 4449139.2/31


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.022+/-0.091 χ²/NDF:18.9/14
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: 0.018+/-0.091 χ²/NDF:20.7/12
+ sign 0.014+/-0.056 χ²/NDF: 29.7/30
All: 0.041+/-0.039 χ²/NDF: 68.9/62
- sign 0.067+/-0.054 χ²/NDF: 38.8/31



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 306.294+/-0.064 χ^2/NDF:478563.1/14

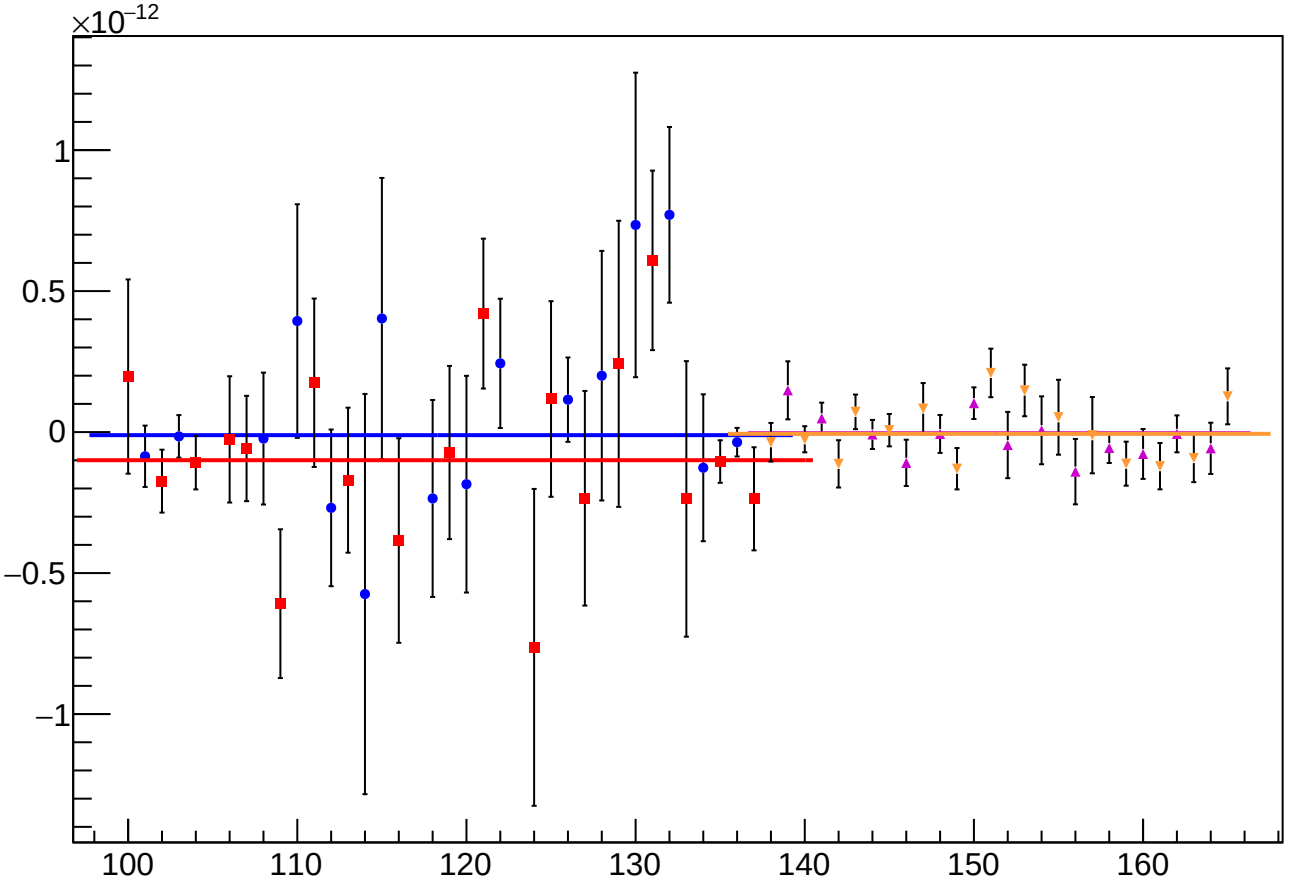
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 293.964+/-0.064 χ^2/NDF:586574.2/12

+ sign 227.385+/-0.039 χ^2/NDF: 3814342.3/30

All: 220.002+/-0.028 χ^2/NDF: 8331855.7/62

- sign 212.997+/-0.038 χ^2/NDF: 4449139.2/31



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/14

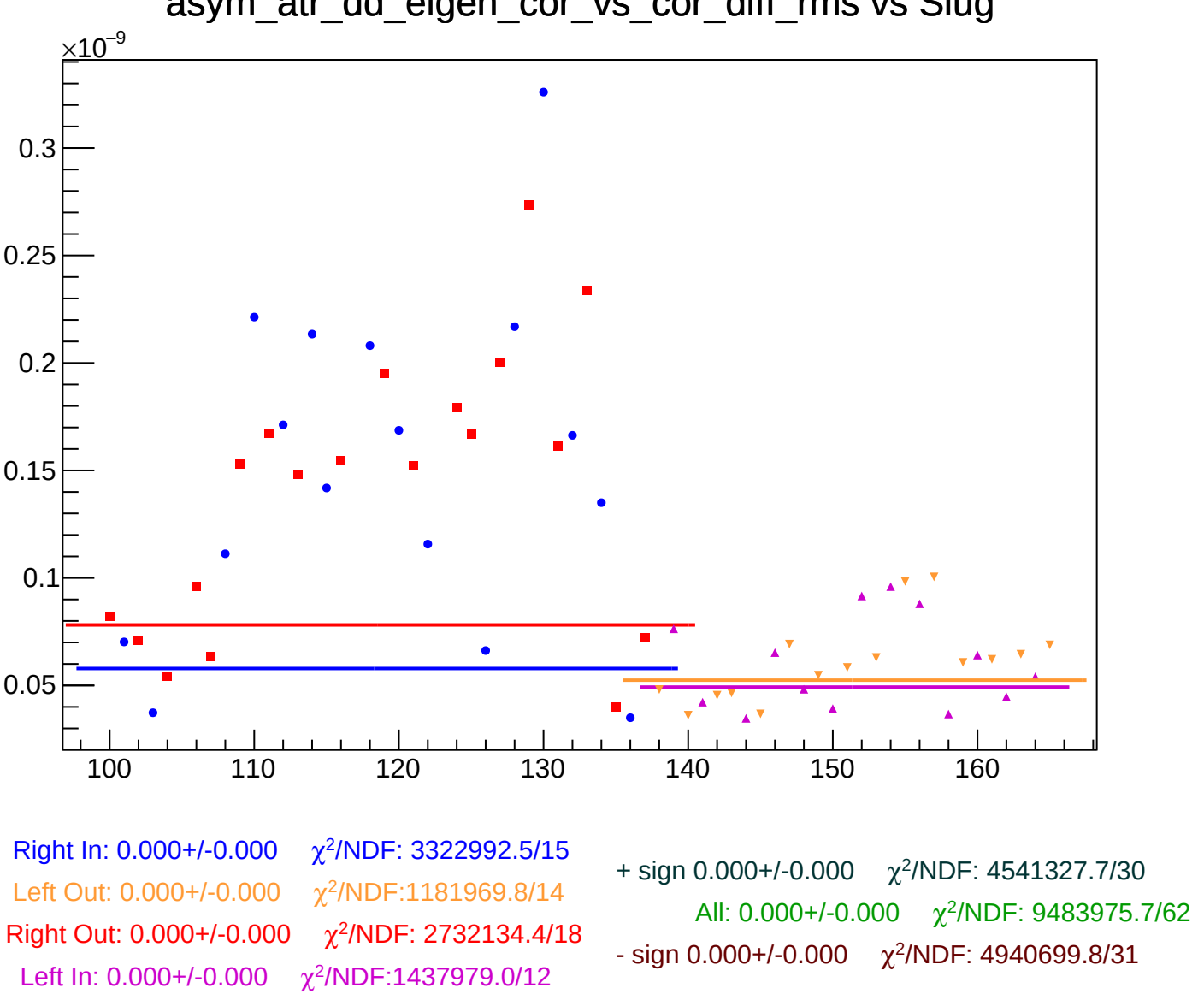
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/12

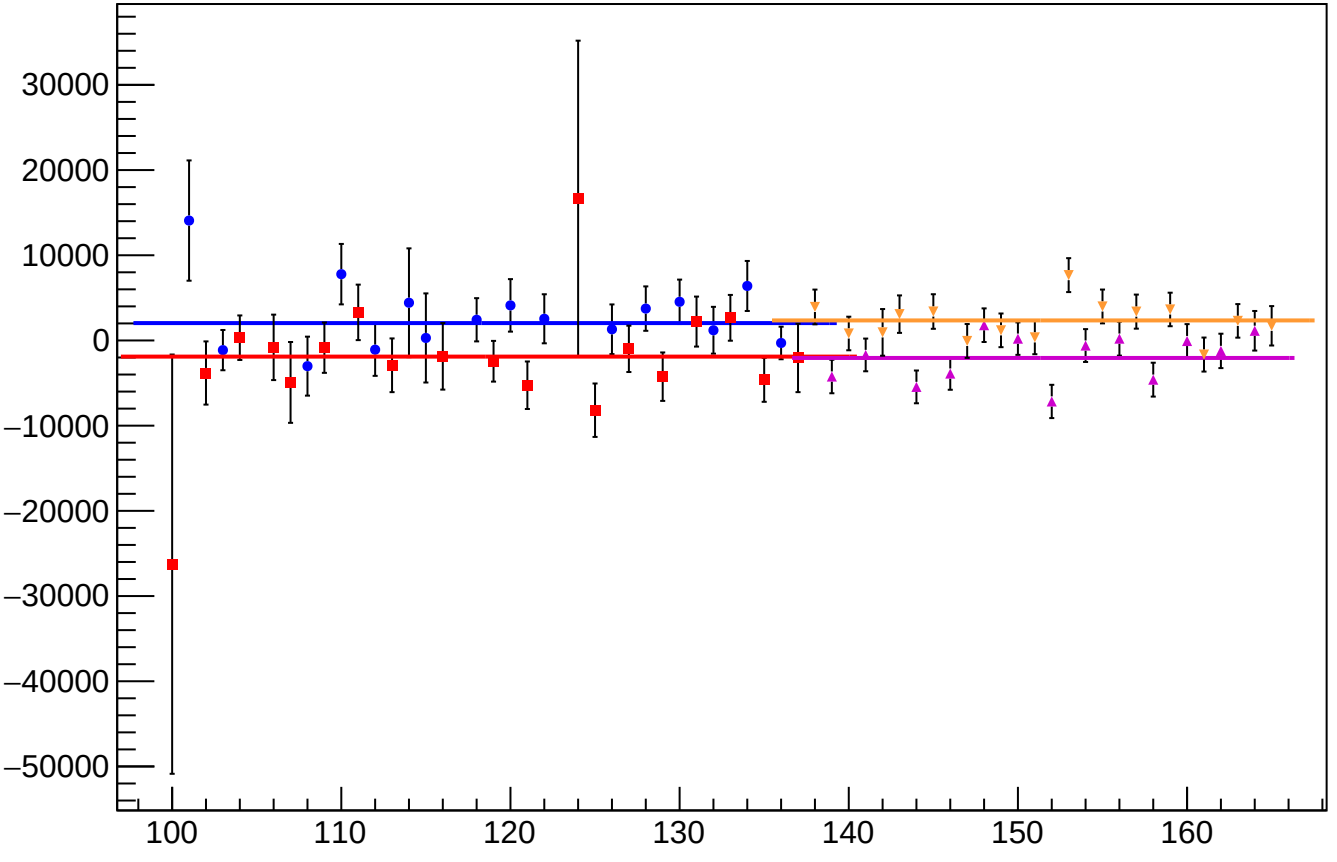
+ sign -0.000+/-0.000 χ^2/NDF: 38.4/30

All: -0.000+/-0.000 χ^2/NDF: 73.2/62

- sign -0.000+/-0.000 χ^2/NDF: 34.5/31


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3322992.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1181969.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2732134.4/18
Left In: 0.000+/-0.000 χ²/NDF:1437979.0/12
+ sign 0.000+/-0.000 χ²/NDF: 4541327.7/30
All: 0.000+/-0.000 χ²/NDF: 9483975.7/62
- sign 0.000+/-0.000 χ²/NDF: 4940699.8/31

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2351.189+/-530.255 χ^2/NDF:17.3/14

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

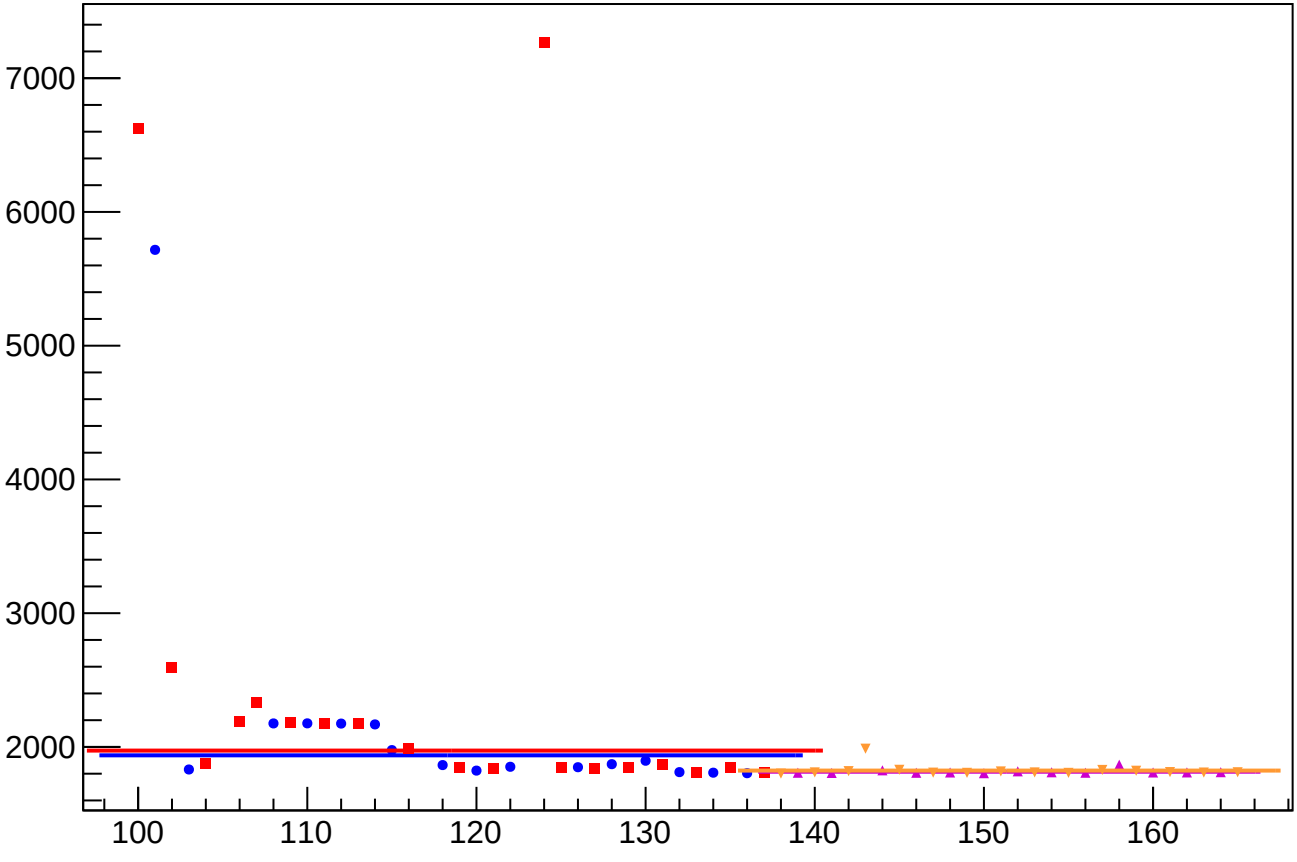
Left In: -2053.017+/-547.866 χ^2/NDF:23.9/12

+ sign 2244.628+/-430.269 χ^2/NDF: 33.9/30

All: 169.564+/-307.505 χ^2/NDF: 123.9/62

- sign -1996.838+/-439.637 χ^2/NDF: 42.5/31

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.243+/-0.375 χ^2/NDF:12217.5/14

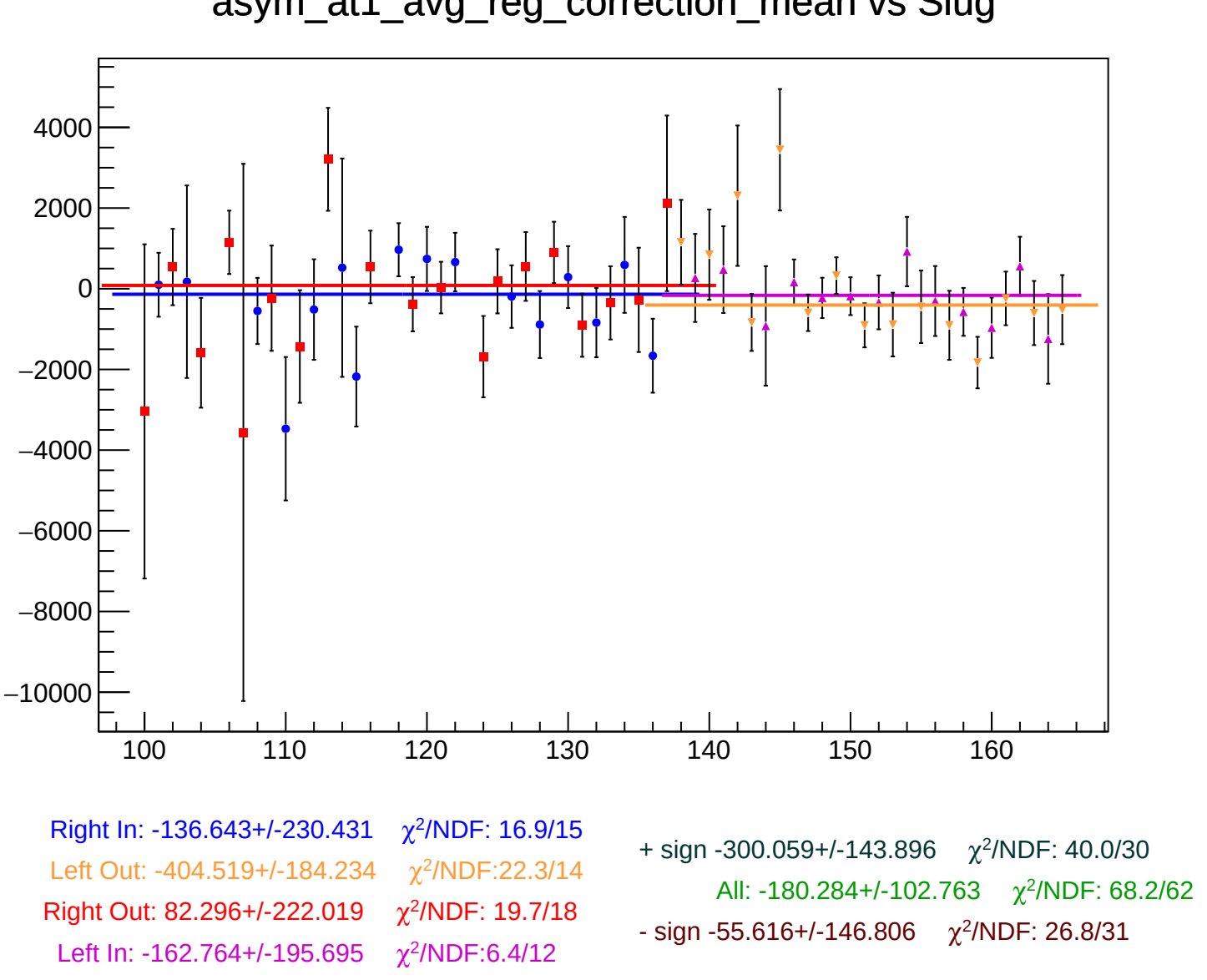
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

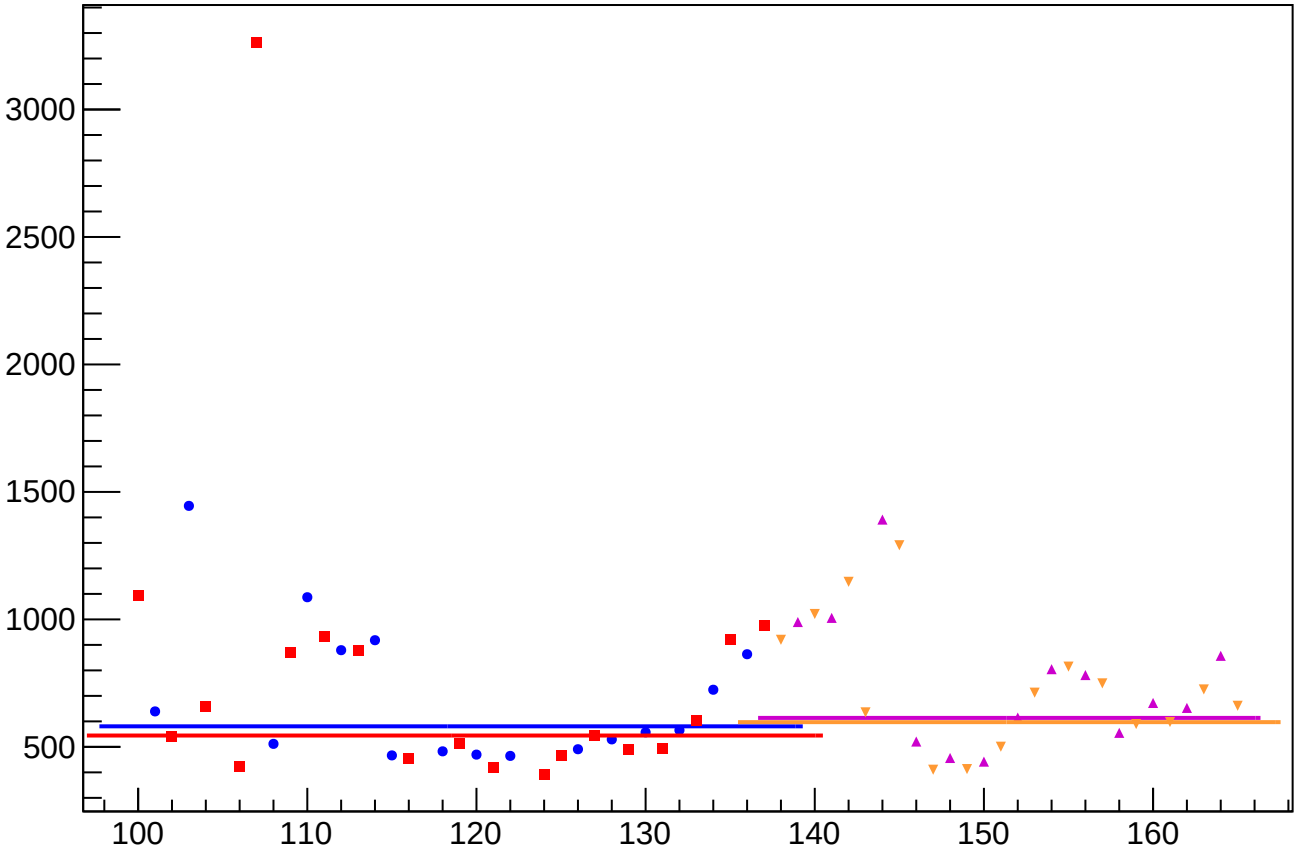
+ sign 1862.185+/-0.304 χ^2/NDF: 681889.6/30

All: 1866.464+/-0.217 χ^2/NDF: 1120881.8/62

- sign 1870.931+/-0.311 χ^2/NDF: 438587.9/31


asym_at1_avg_reg_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -136.643+/-230.431 χ²/NDF: 16.9/15
Left Out: -404.519+/-184.234 χ²/NDF:22.3/14
Right Out: 82.296+/-222.019 χ²/NDF: 19.7/18
Left In: -162.764+/-195.695 χ²/NDF:6.4/12
+ sign -300.059+/-143.896 χ²/NDF: 40.0/30
All: -180.284+/-102.763 χ²/NDF: 68.2/62
- sign -55.616+/-146.806 χ²/NDF: 26.8/31

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 597.014+/-0.130 χ^2/NDF:2128224.9/14

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

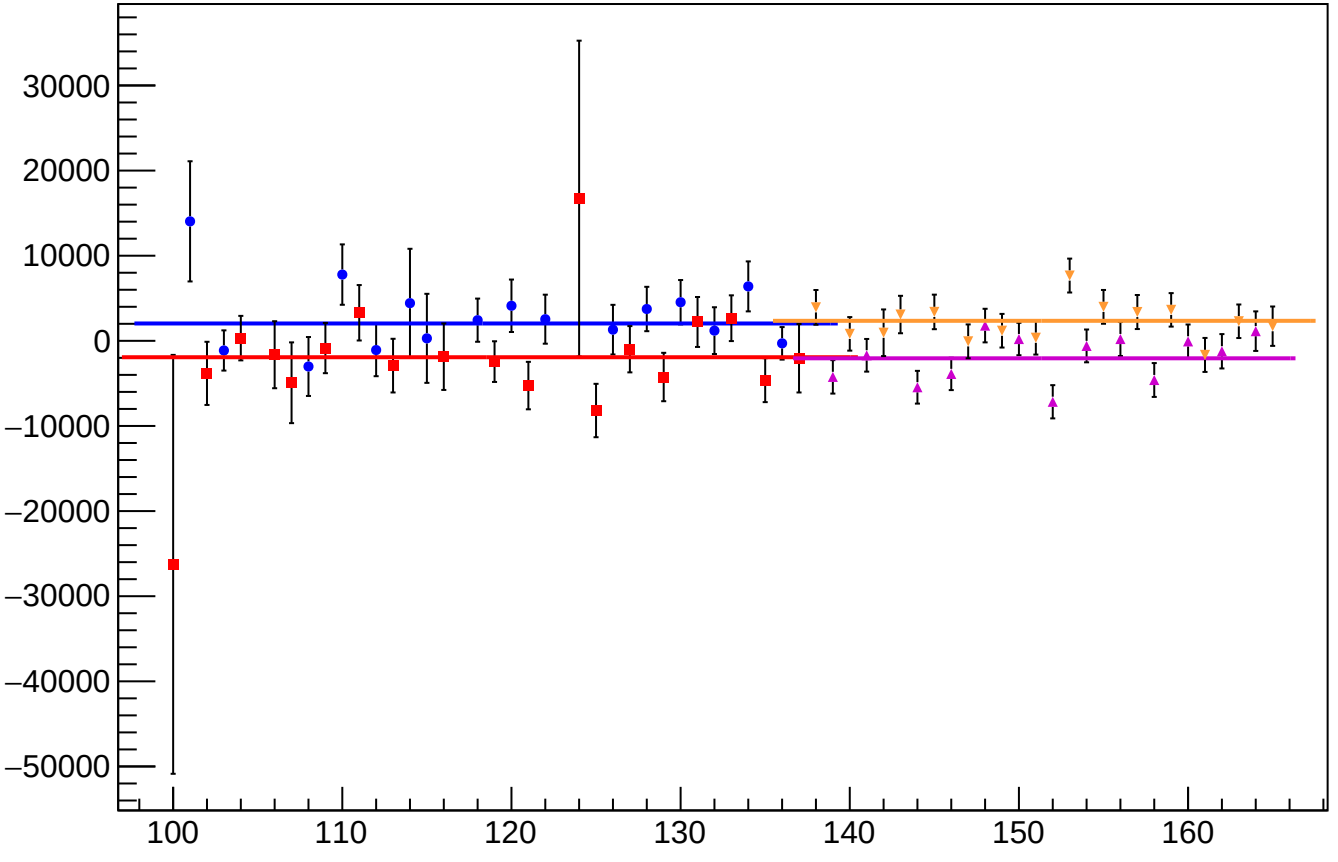
Left In: 613.650+/-0.138 χ^2/NDF:1882249.0/12

+ sign 590.618+/-0.102 χ^2/NDF: 3137818.5/30

All: 587.095+/-0.073 χ^2/NDF: 6419246.1/62

- sign 583.429+/-0.104 χ^2/NDF: 3278981.8/31

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2351.165+/-530.255 χ^2/NDF:17.3/14

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

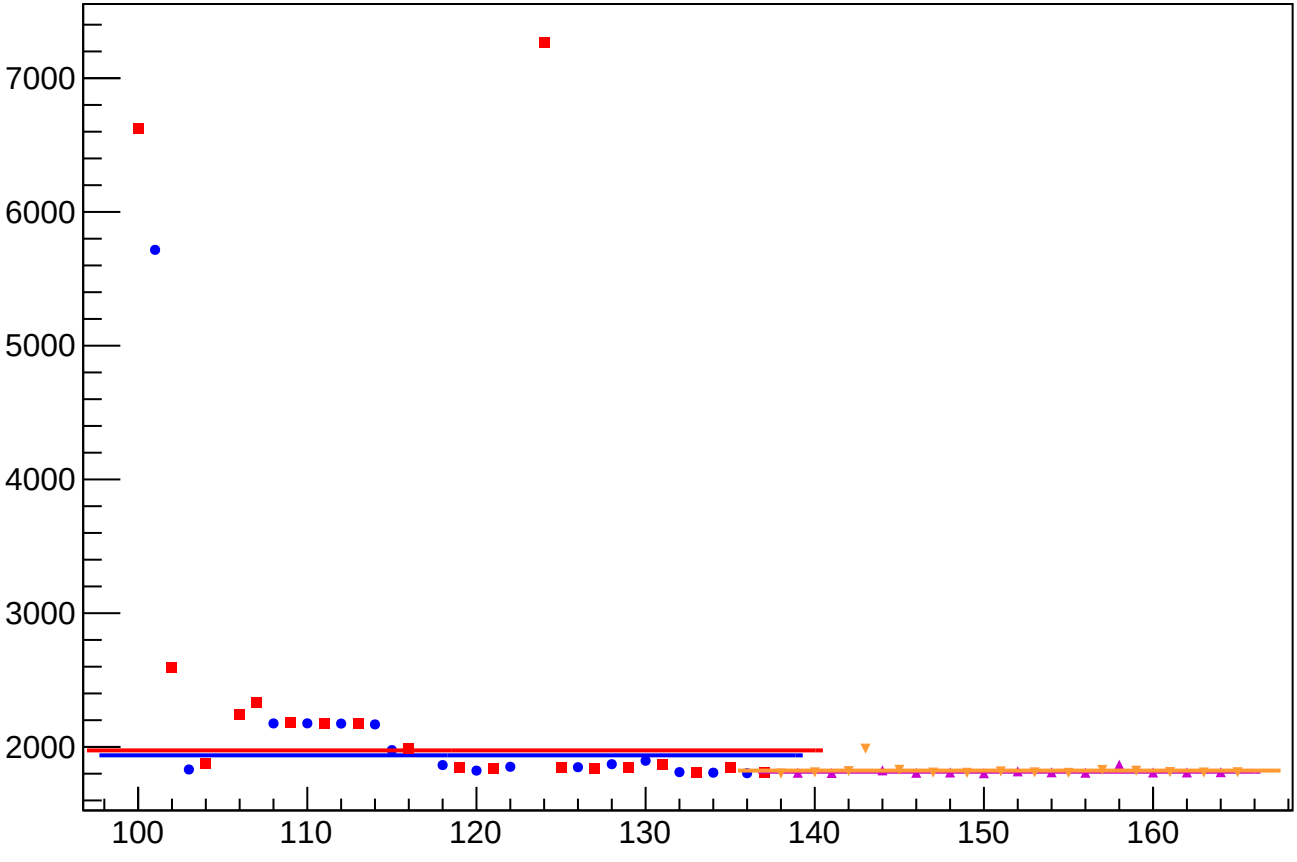
Left In: -2053.109+/-547.866 χ^2/NDF:23.9/12

+ sign 2244.486+/-430.269 χ^2/NDF: 33.8/30

All: 164.699+/-307.552 χ^2/NDF: 124.0/62

- sign -2007.995+/-439.775 χ^2/NDF: 42.4/31

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.243+/-0.375 χ^2/NDF:12217.5/14

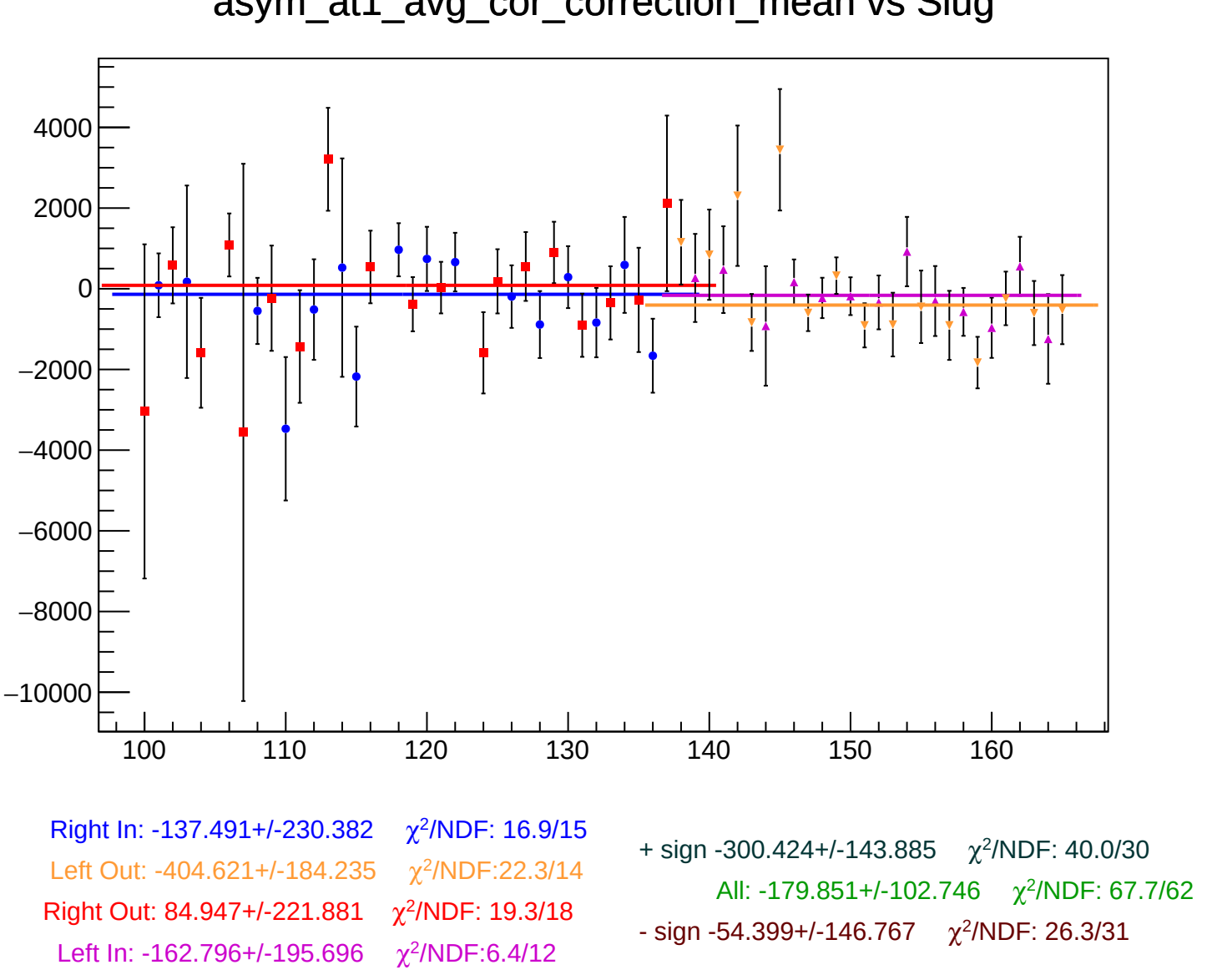
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

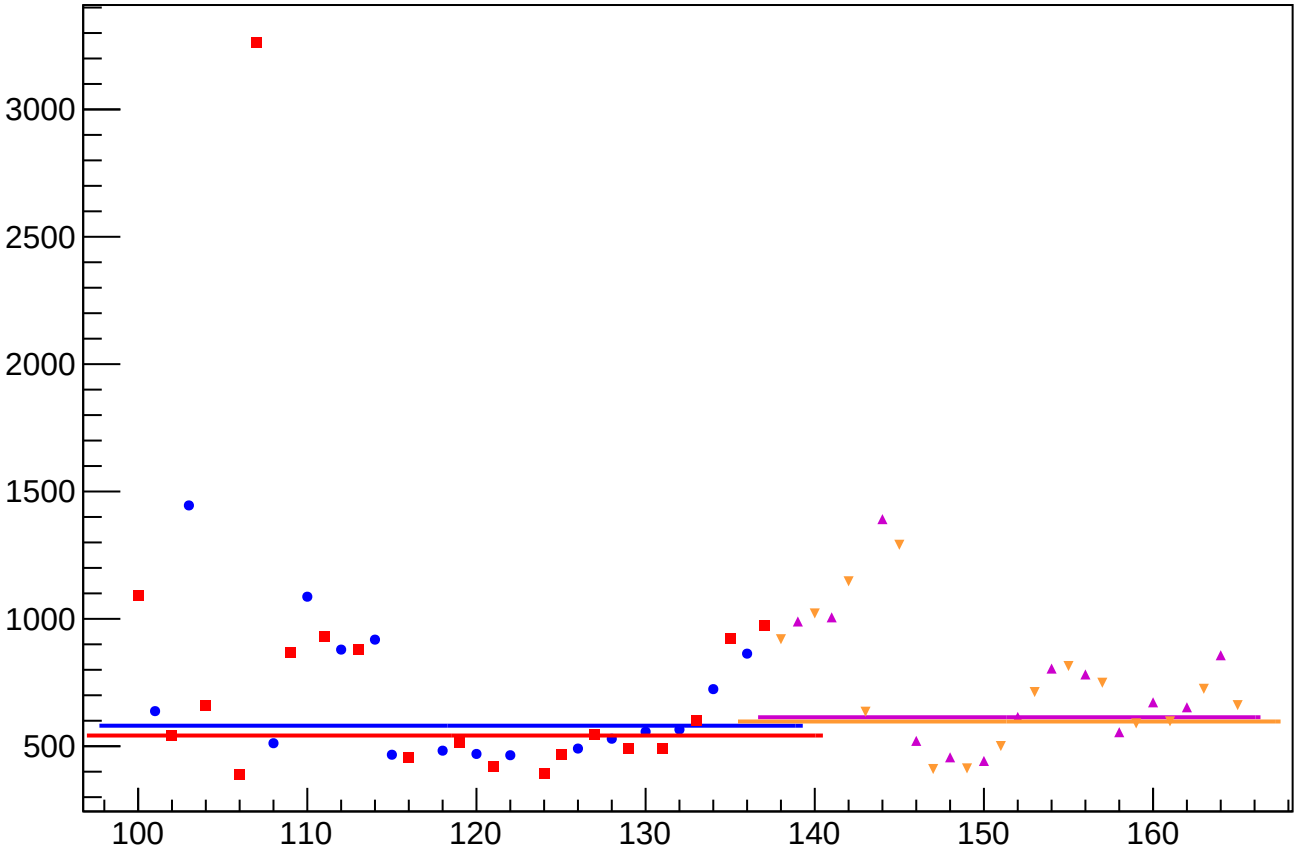
+ sign 1862.185+/-0.304 χ^2/NDF: 681889.6/30

All: 1866.674+/-0.217 χ^2/NDF: 1124798.9/62

- sign 1871.364+/-0.311 χ^2/NDF: 442464.1/31


asym_at1_avg_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -137.491+/-230.382 χ²/NDF: 16.9/15
Left Out: -404.621+/-184.235 χ²/NDF:22.3/14
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -162.796+/-195.696 χ²/NDF:6.4/12
+ sign -300.424+/-143.885 χ²/NDF: 40.0/30
All: -179.851+/-102.746 χ²/NDF: 67.7/62
- sign -54.399+/-146.767 χ²/NDF: 26.3/31

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 597.018+/-0.130 χ^2/NDF:2128329.1/14

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

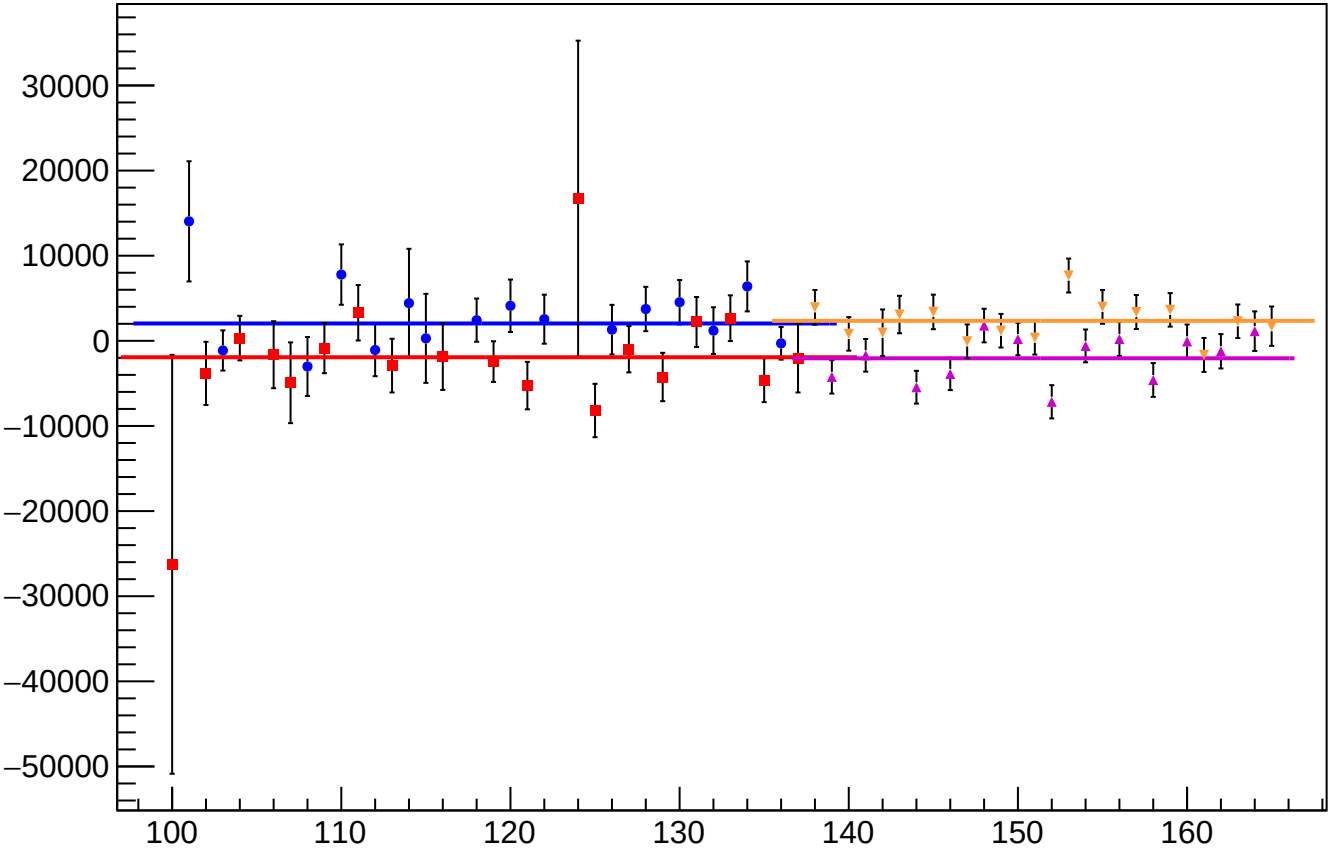
Left In: 613.653+/-0.138 χ^2/NDF:1882296.5/12

+ sign 590.582+/-0.102 χ^2/NDF: 3137486.5/30

All: 586.511+/-0.073 χ^2/NDF: 6459416.5/62

- sign 582.275+/-0.104 χ^2/NDF: 3318662.8/31

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2351.165+/-530.255 χ^2/NDF:17.3/14

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

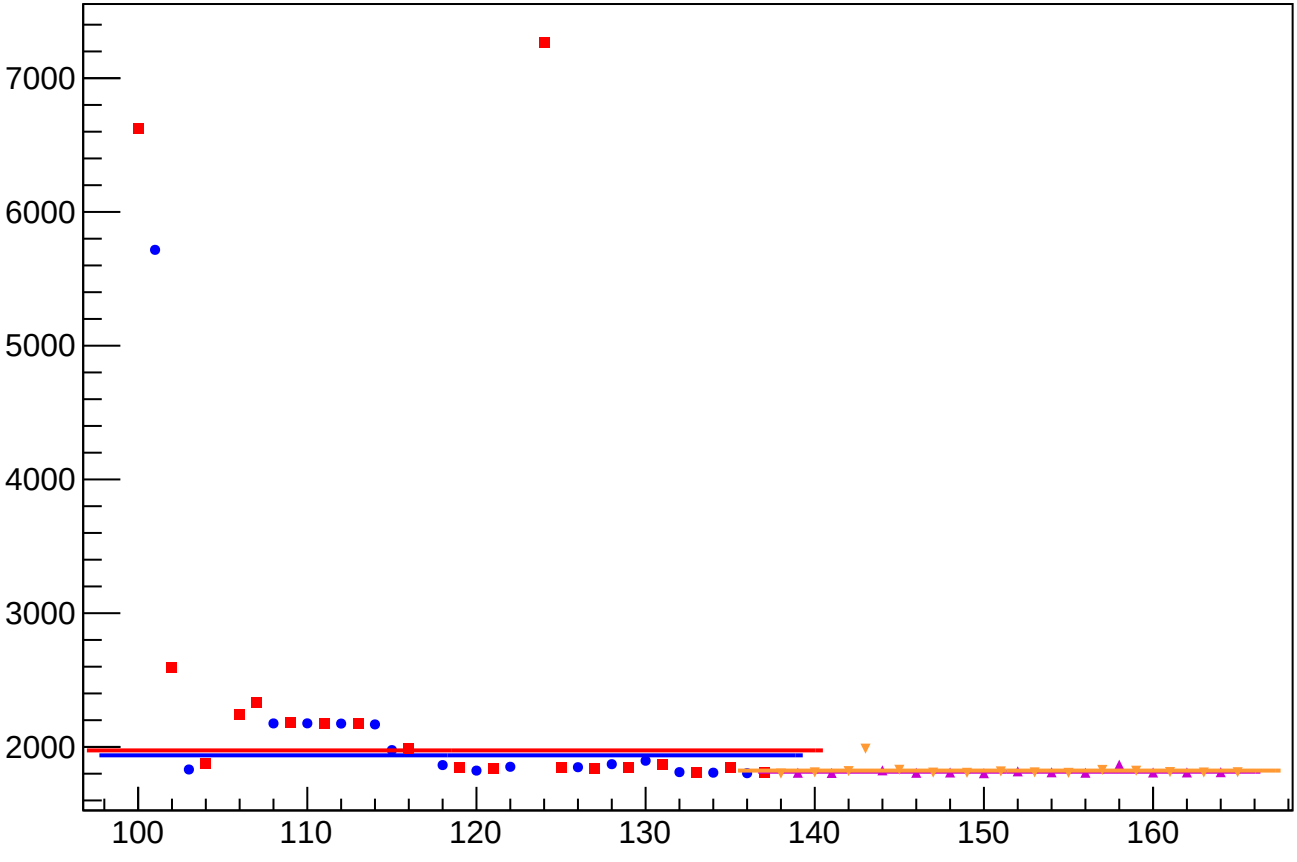
Left In: -2053.109+/-547.866 χ^2/NDF:23.9/12

+ sign 2244.486+/-430.269 χ^2/NDF: 33.8/30

All: 164.699+/-307.552 χ^2/NDF: 124.0/62

- sign -2007.995+/-439.775 χ^2/NDF: 42.4/31

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.243+/-0.375 χ^2/NDF:12217.5/14

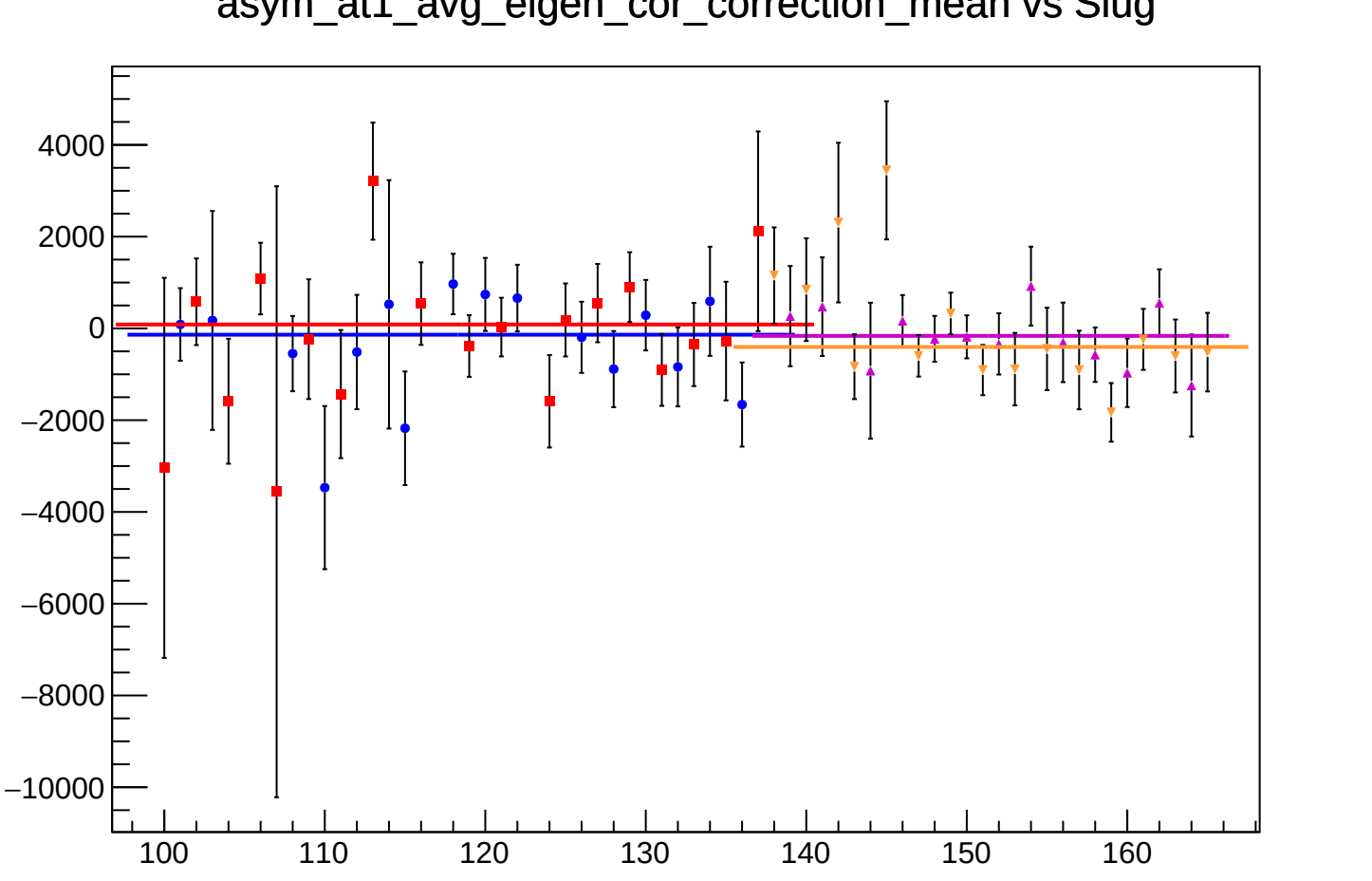
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

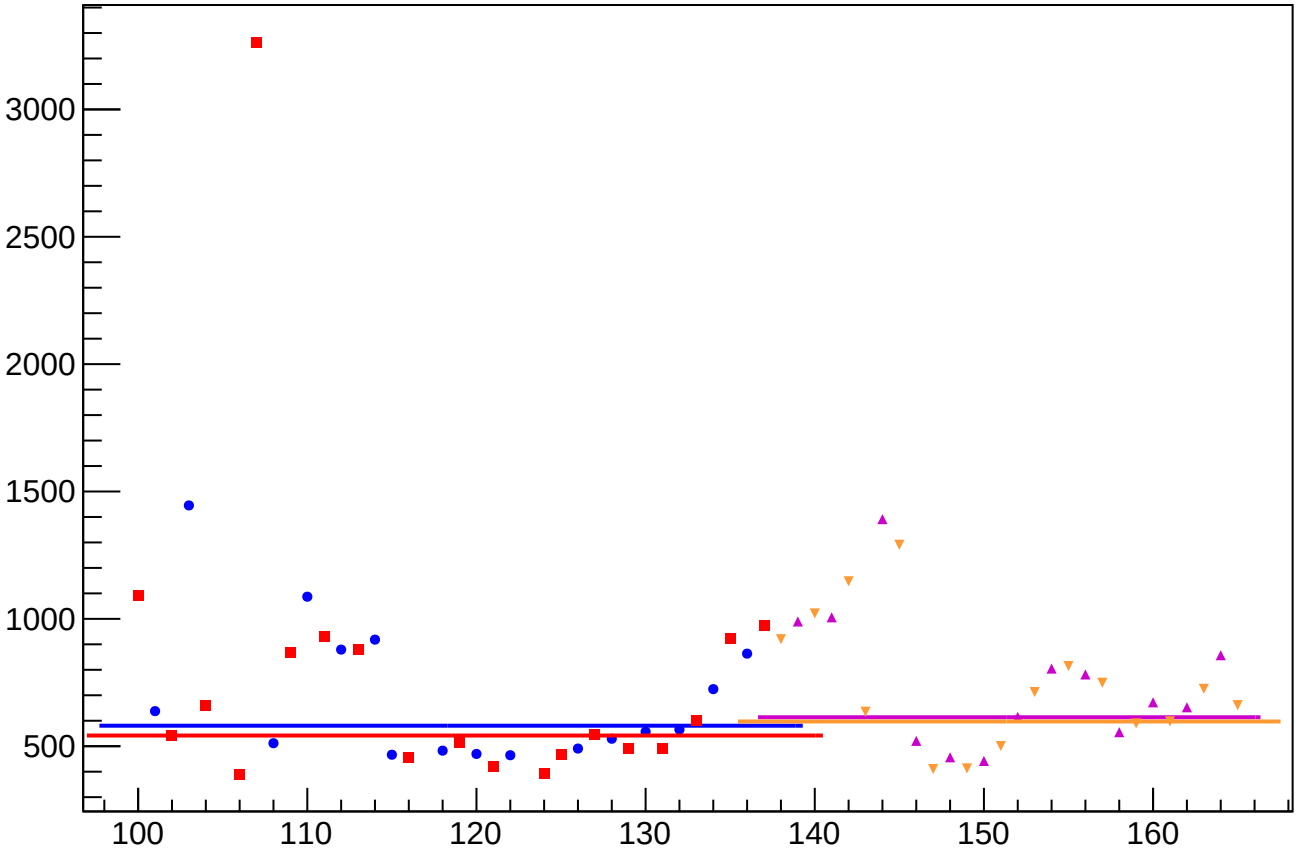
+ sign 1862.185+/-0.304 χ^2/NDF: 681889.6/30

All: 1866.674+/-0.217 χ^2/NDF: 1124798.9/62

- sign 1871.364+/-0.311 χ^2/NDF: 442464.1/31


asym_at1_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -137.491+/-230.382 χ²/NDF: 16.9/15
Left Out: -404.621+/-184.235 χ²/NDF:22.3/14
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -162.796+/-195.696 χ²/NDF:6.4/12
+ sign -300.424+/-143.885 χ²/NDF: 40.0/30
All: -179.851+/-102.746 χ²/NDF: 67.7/62
- sign -54.399+/-146.767 χ²/NDF: 26.3/31

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 597.018+/-0.130 χ^2/NDF:2128329.1/14

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

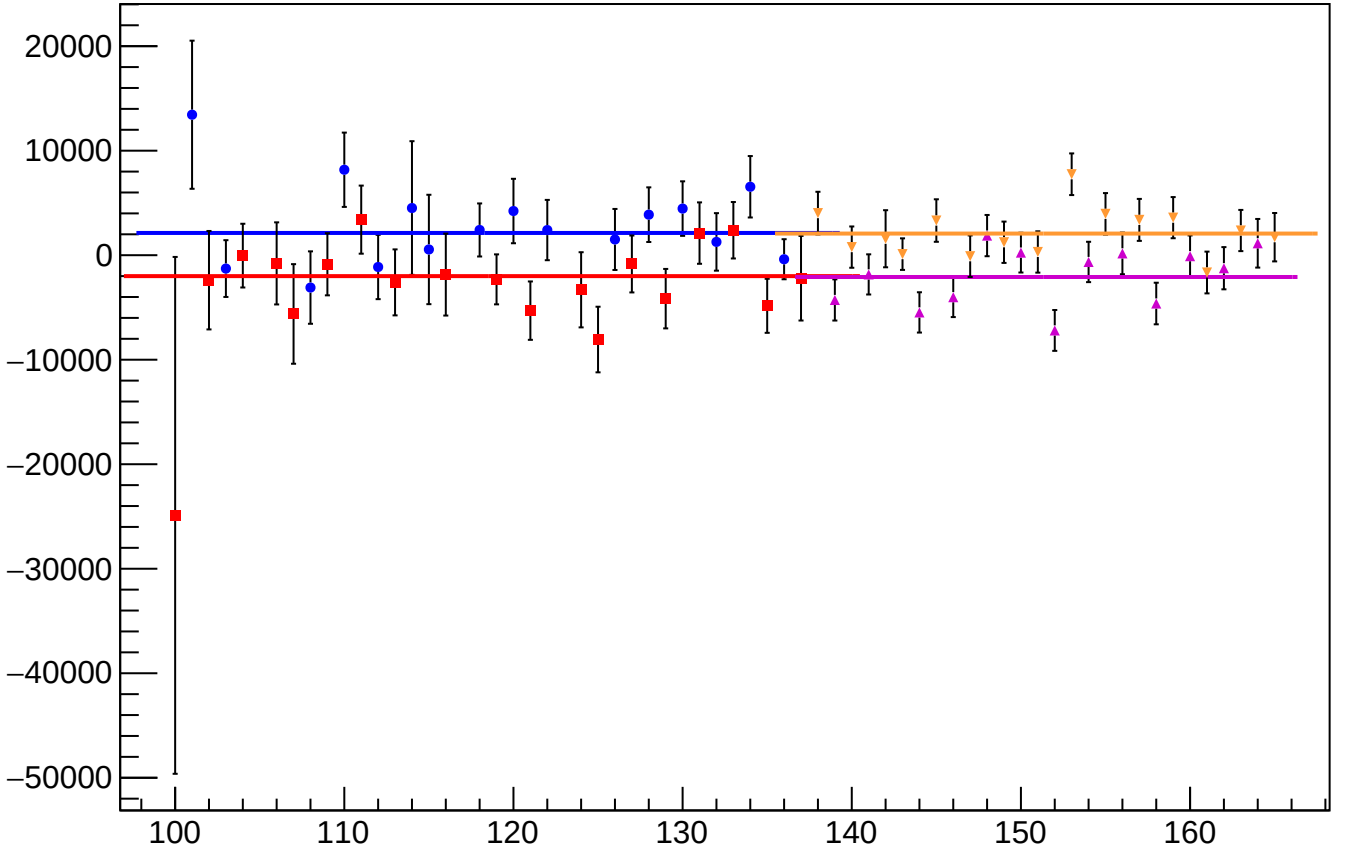
Left In: 613.653+/-0.138 χ^2/NDF:1882296.5/12

+ sign 590.582+/-0.102 χ^2/NDF: 3137486.5/30

All: 586.511+/-0.073 χ^2/NDF: 6459416.5/62

- sign 582.275+/-0.104 χ^2/NDF: 3318662.8/31

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2069.642+/-514.275 χ^2/NDF:19.2/14

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

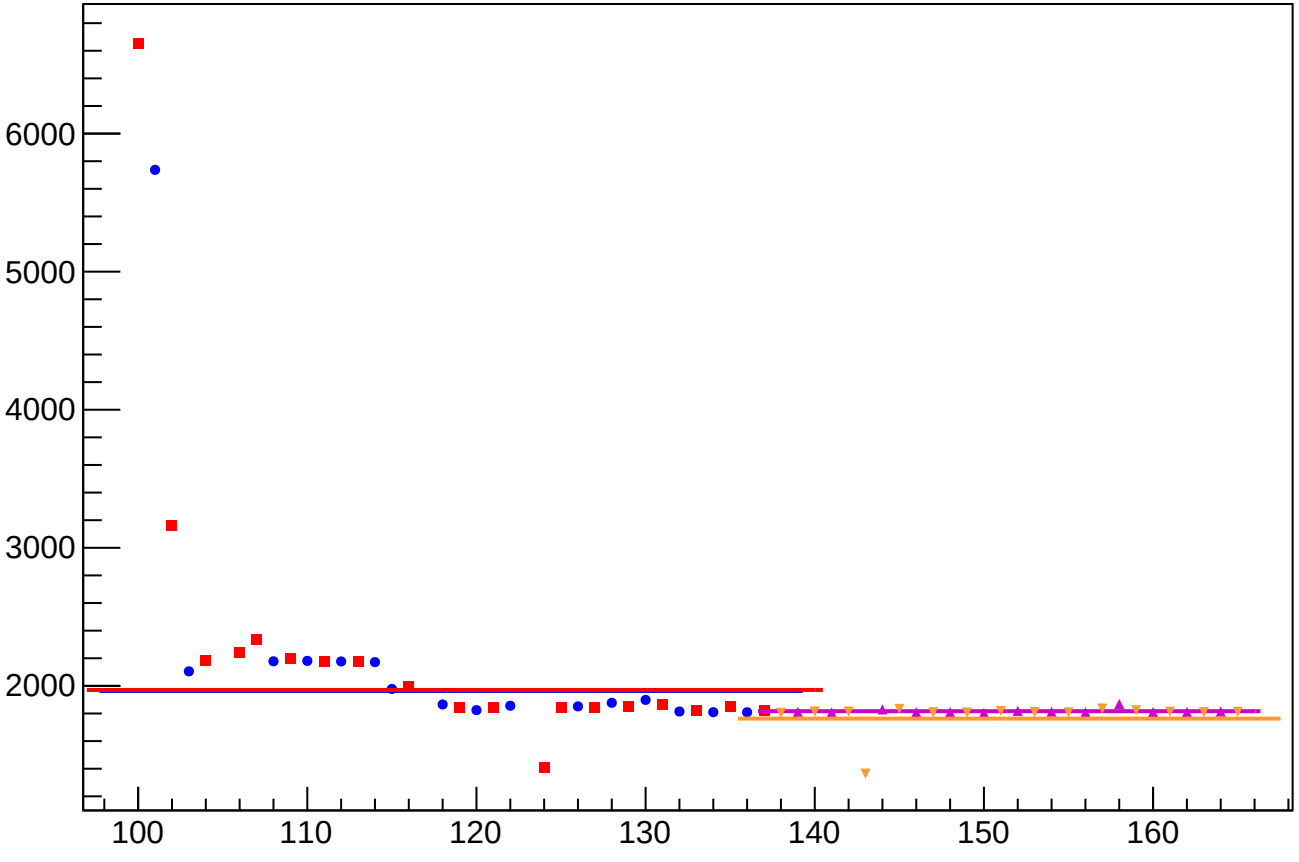
Left In: -2085.691+/-548.482 χ^2/NDF:24.3/12

+ sign 2088.674+/-423.457 χ^2/NDF: 35.7/30

All: 95.959+/-305.126 χ^2/NDF: 122.8/62

- sign -2055.949+/-440.047 χ^2/NDF: 41.1/31

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1762.781+/-0.364 χ^2/NDF:158203.7/14

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

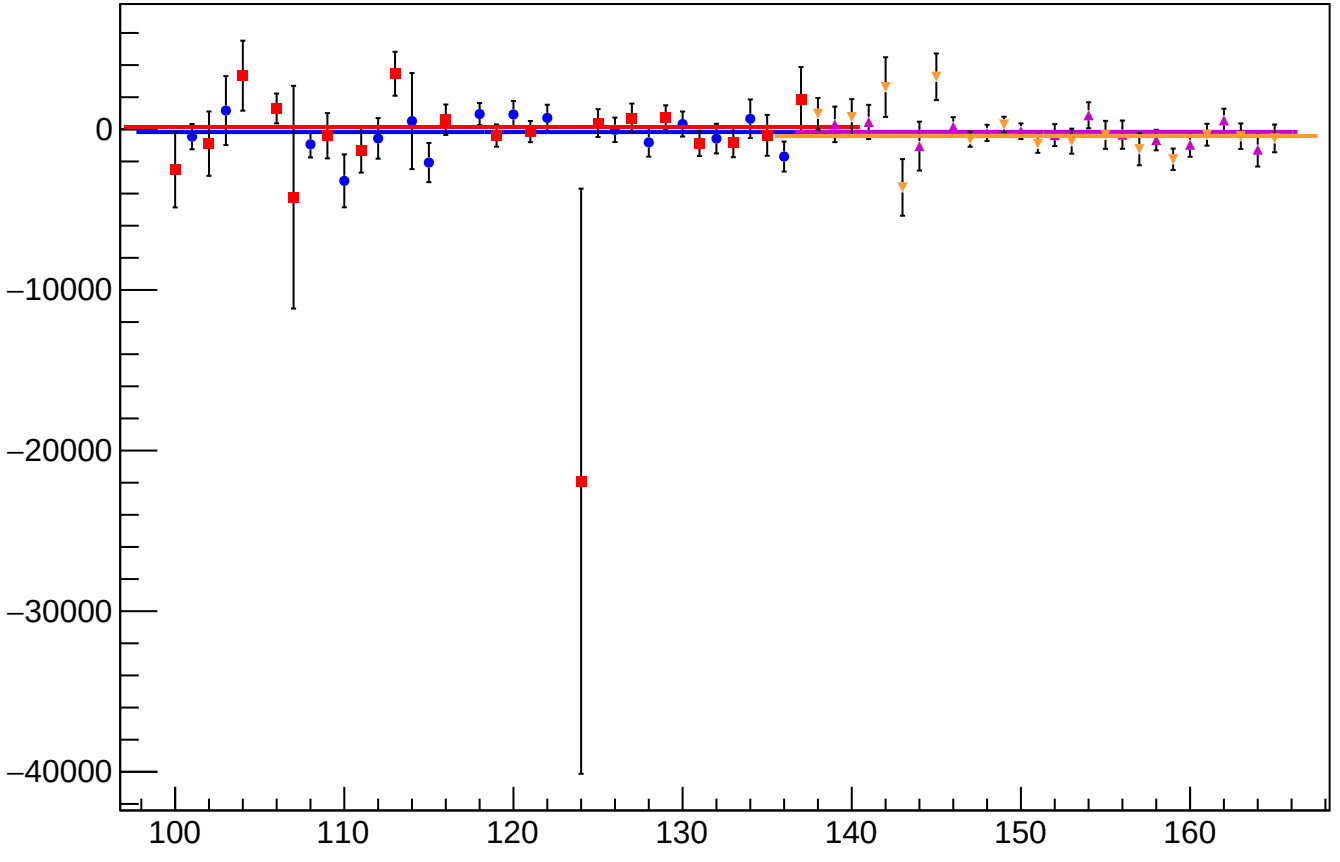
Left In: 1816.638+/-0.388 χ^2/NDF:1755.4/12

+ sign 1827.386+/-0.299 χ^2/NDF: 896476.2/30

All: 1848.570+/-0.216 χ^2/NDF: 1309825.2/62

- sign 1871.447+/-0.311 χ^2/NDF: 402938.3/31

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -412.659+/-195.312 χ^2/NDF:24.3/14

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

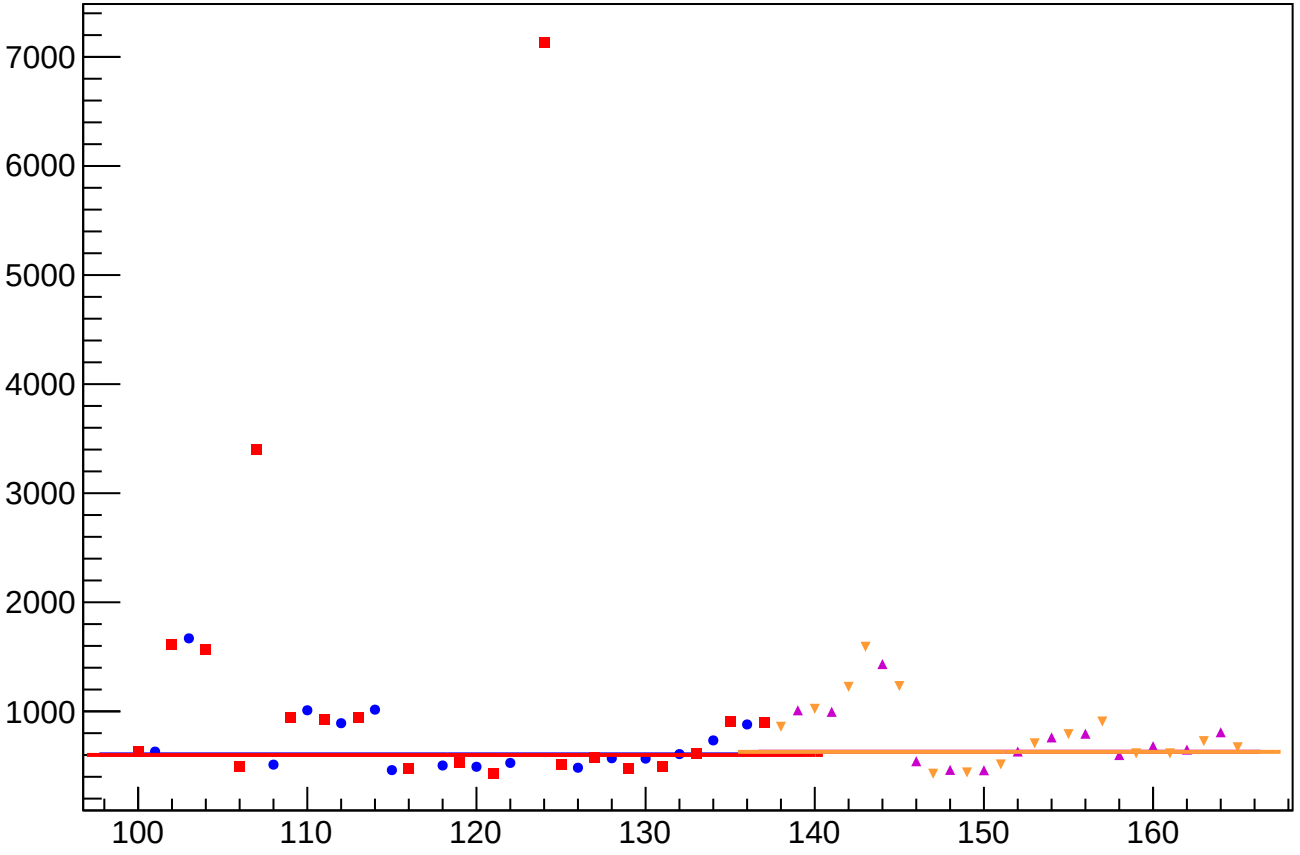
Left In: -158.558+/-199.574 χ^2/NDF:6.8/12

+ sign -314.784+/-150.702 χ^2/NDF: 42.2/30

All: -178.180+/-107.774 χ^2/NDF: 71.7/62

- sign -35.185+/-154.188 χ^2/NDF: 27.8/31

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 628.661+/-0.138 χ^2/NDF:2542511.4/14

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

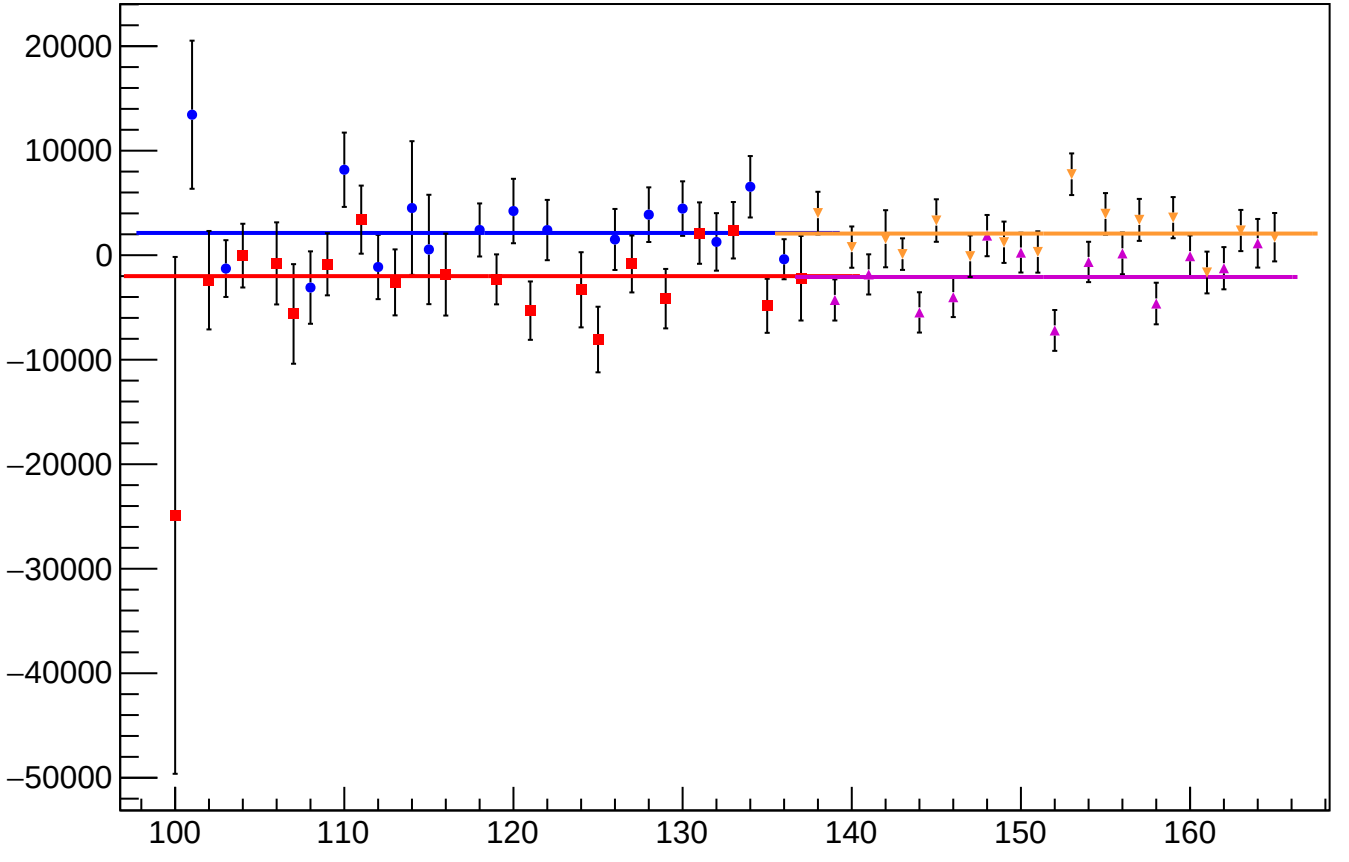
Left In: 629.824+/-0.141 χ^2/NDF:1728871.7/12

+ sign 619.261+/-0.107 χ^2/NDF: 3716415.6/30

All: 618.636+/-0.076 χ^2/NDF: 7791350.8/62

- sign 617.981+/-0.109 χ^2/NDF: 4074864.8/31

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2069.642+/-514.275 χ^2/NDF:19.2/14

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

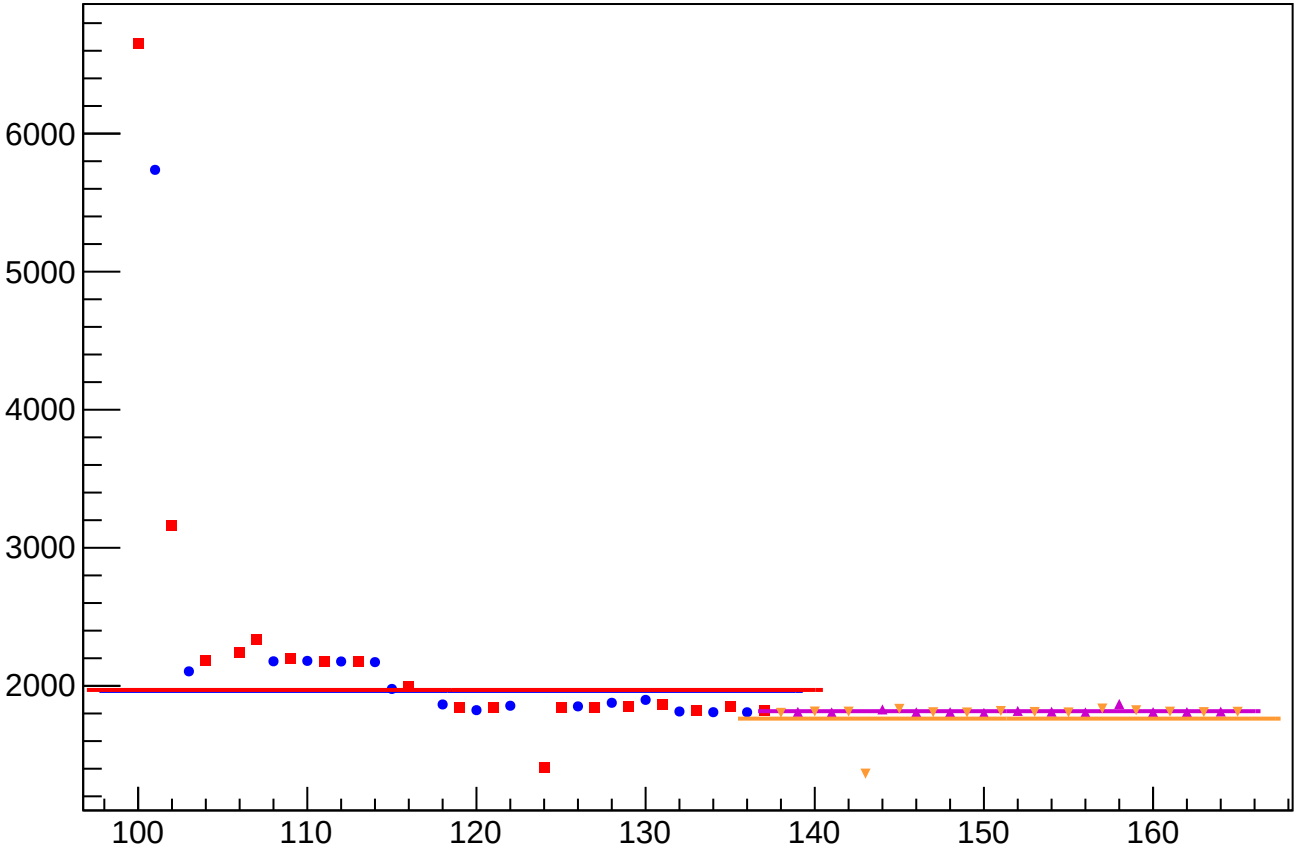
Left In: -2085.691+/-548.482 χ^2/NDF:24.3/12

+ sign 2088.674+/-423.457 χ^2/NDF: 35.7/30

All: 95.959+/-305.126 χ^2/NDF: 122.8/62

- sign -2055.948+/-440.047 χ^2/NDF: 41.1/31

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1762.781+/-0.364 χ^2/NDF:158203.7/14

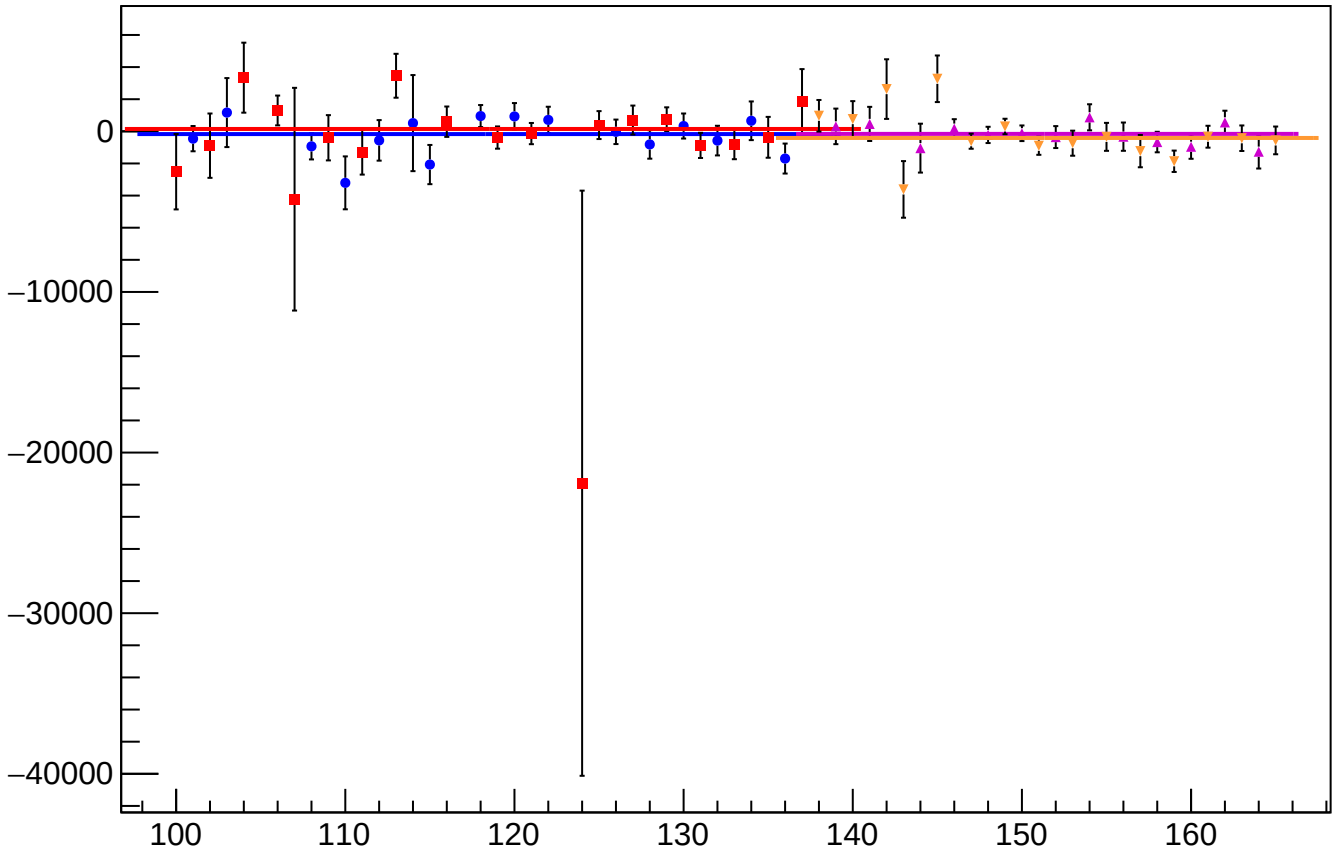
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.638+/-0.388 χ^2/NDF:1755.4/12

+ sign 1827.386+/-0.299 χ^2/NDF: 896475.7/30

All: 1848.570+/-0.216 χ^2/NDF: 1309823.2/62

- sign 1871.447+/-0.311 χ^2/NDF: 402936.8/31



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -412.660+/-195.312 χ^2/NDF:24.3/14

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

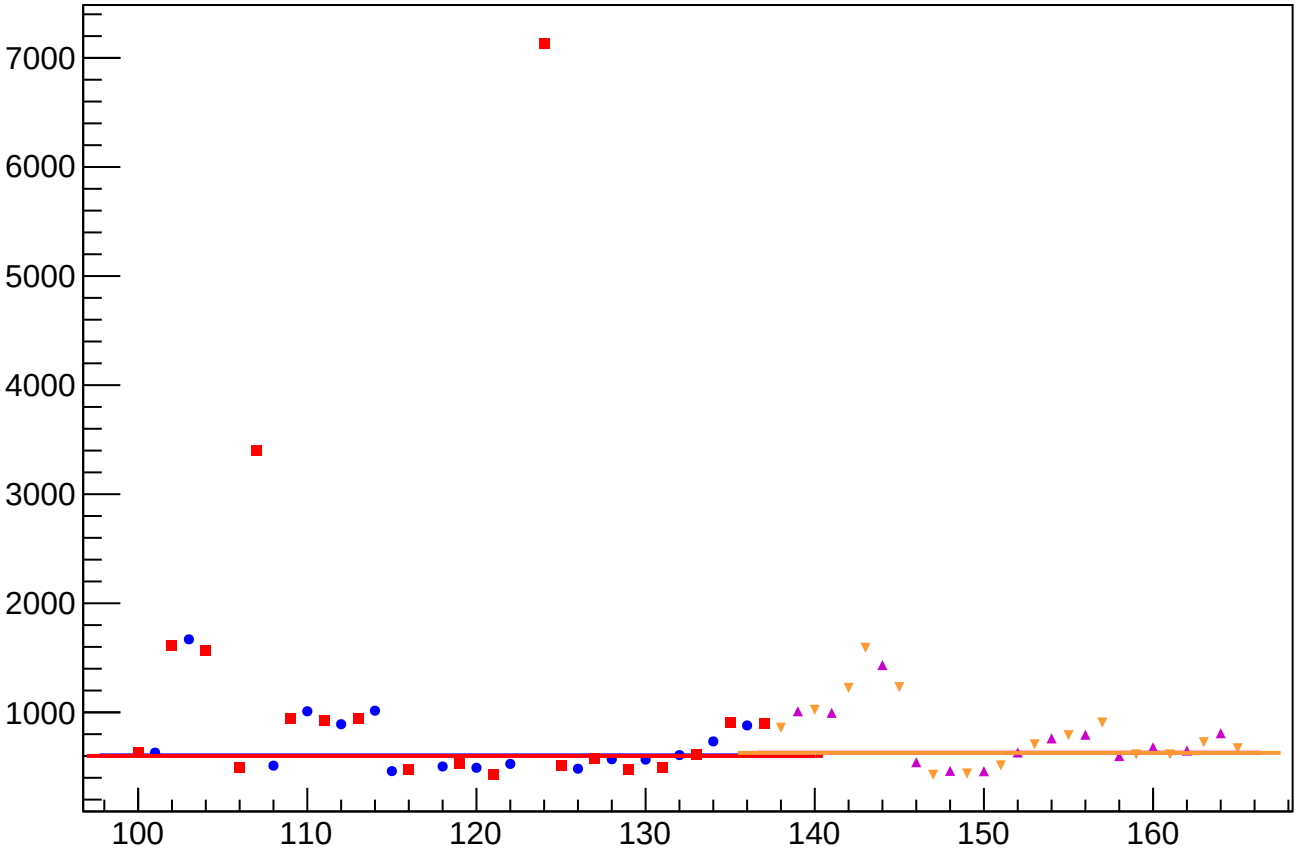
Left In: -158.558+/-199.575 χ^2/NDF:6.8/12

+ sign -314.783+/-150.702 χ^2/NDF: 42.2/30

All: -178.180+/-107.774 χ^2/NDF: 71.7/62

- sign -35.185+/-154.188 χ^2/NDF: 27.8/31

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 628.662+/-0.138 χ^2/NDF:2542503.5/14

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

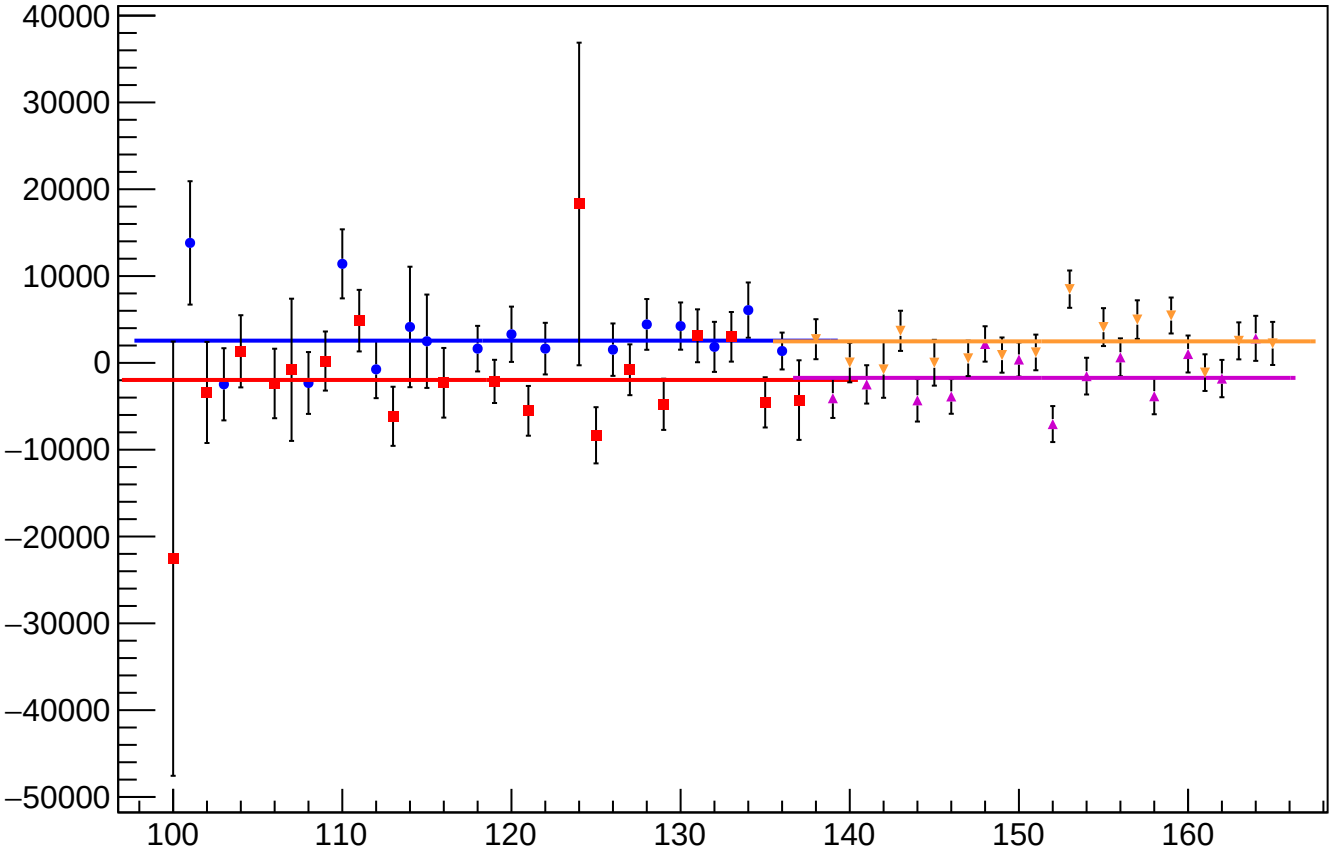
Left In: 629.825+/-0.141 χ^2/NDF:1728867.0/12

+ sign 619.261+/-0.107 χ^2/NDF: 3716417.8/30

All: 618.636+/-0.076 χ^2/NDF: 7791358.5/62

- sign 617.982+/-0.109 χ^2/NDF: 4074870.3/31

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2478.621+/-577.761 χ^2/NDF:19.9/14

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

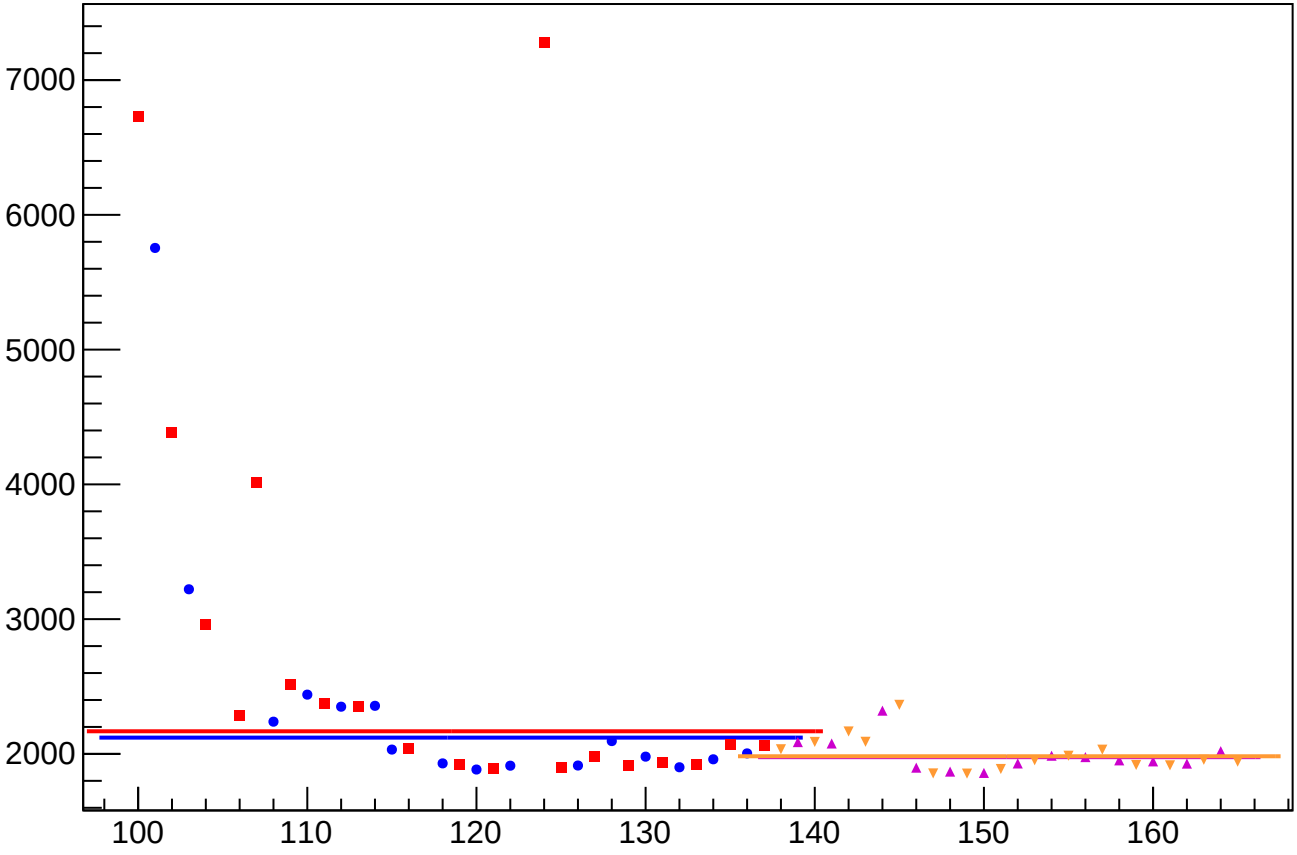
Left In: -1726.848+/-597.658 χ^2/NDF:21.8/12

+ sign 2506.406+/-470.299 χ^2/NDF: 34.5/30

All: 404.462+/-336.867 χ^2/NDF: 119.0/62

- sign -1810.224+/-482.747 χ^2/NDF: 43.5/31

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1982.410+/-0.409 χ^2/NDF:84154.0/14

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

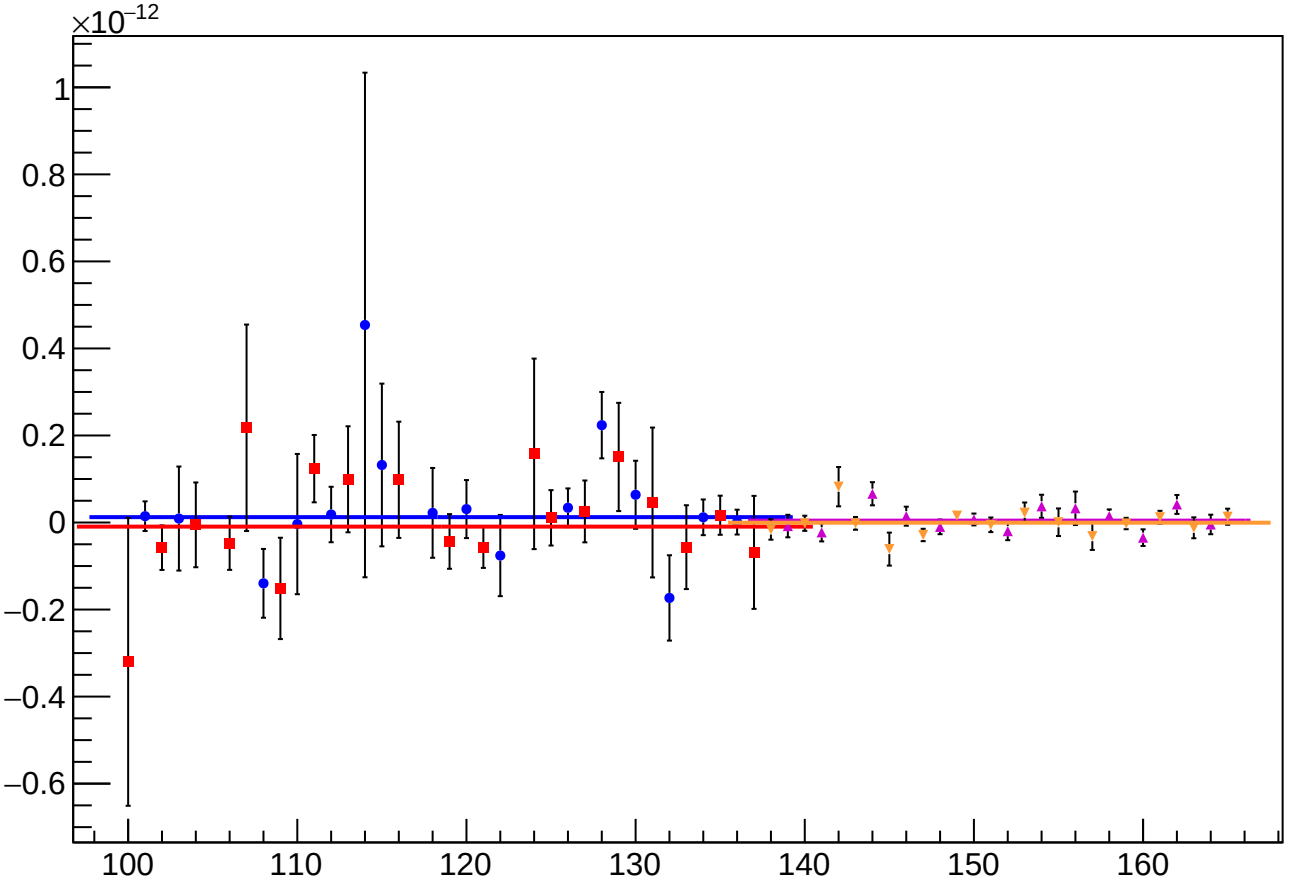
Left In: 1975.758+/-0.423 χ^2/NDF:67734.5/12

+ sign 2029.095+/-0.333 χ^2/NDF: 882826.5/30

All: 2035.632+/-0.238 χ^2/NDF: 1847082.5/62

- sign 2042.520+/-0.341 χ^2/NDF: 963462.4/31

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:15.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

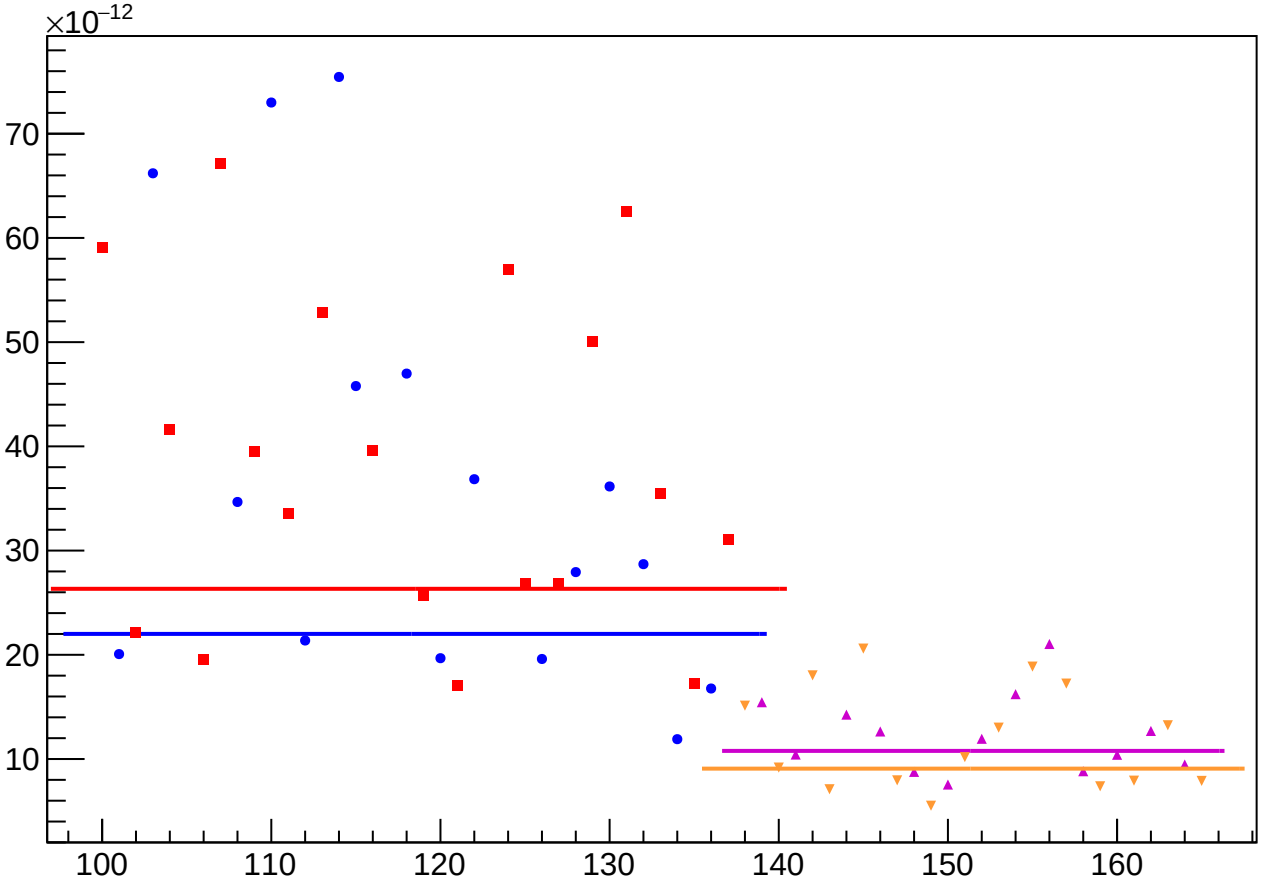
Left In: 0.000+/-0.000 χ^2/NDF:19.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 34.2/30

All: 0.000+/-0.000 χ^2/NDF: 68.1/62

- sign 0.000+/-0.000 χ^2/NDF: 33.8/31

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:1133263.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

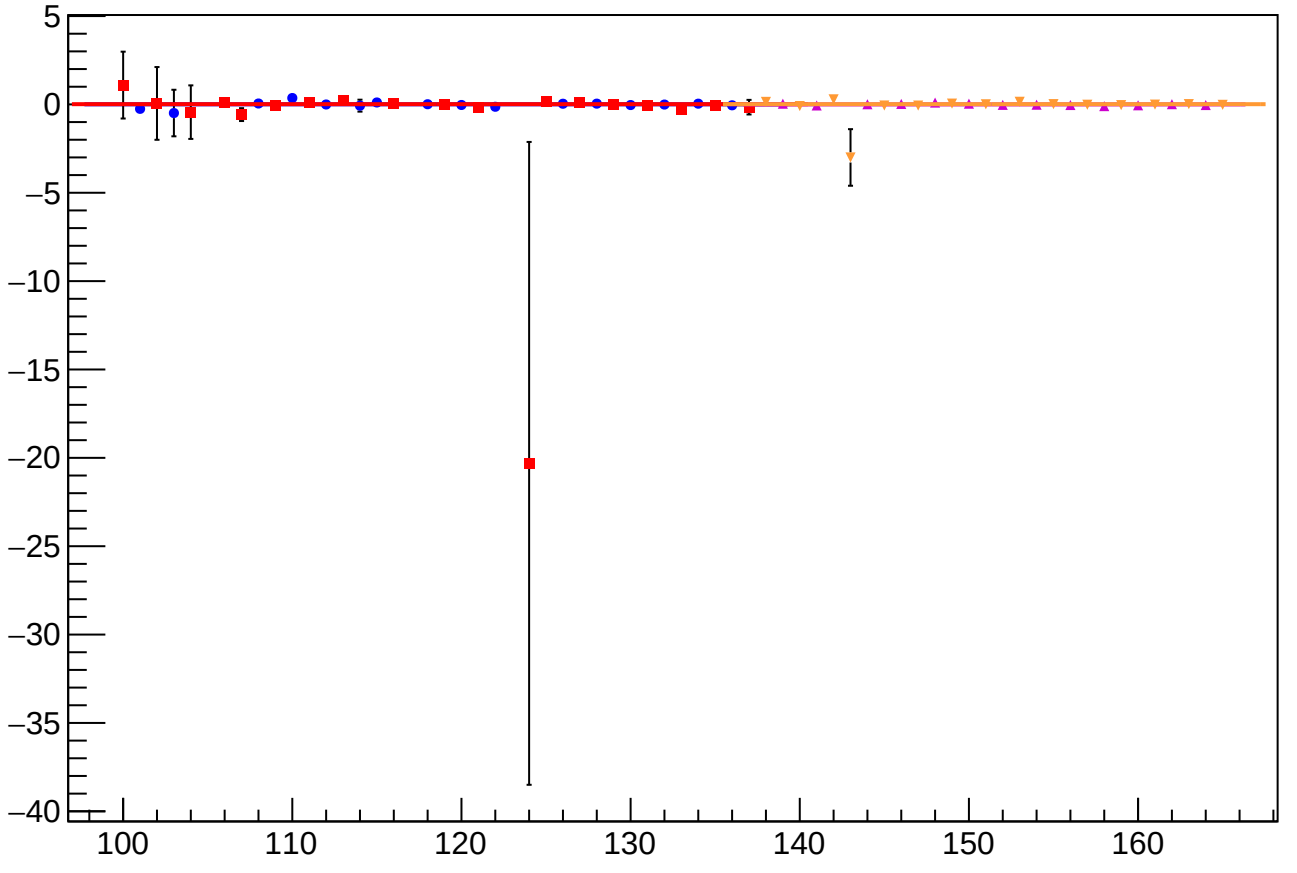
Left In: 0.000+/-0.000 χ^2/NDF:543121.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3564674.1/30

All: 0.000+/-0.000 χ^2/NDF: 6315825.2/62

- sign 0.000+/-0.000 χ^2/NDF: 2604378.1/31

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

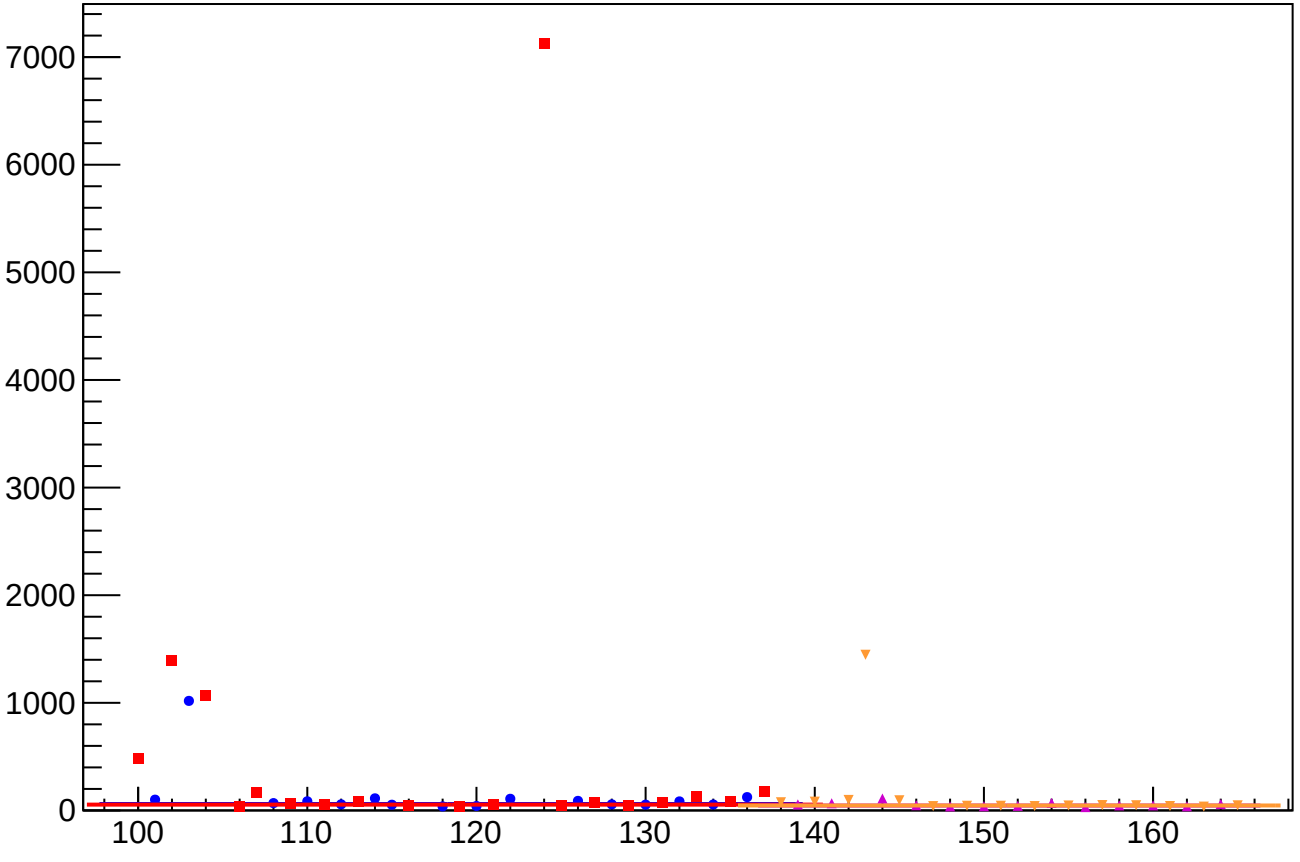
Left In: -0.001+/-0.016 χ^2/NDF:12.4/12

+ sign 0.010+/-0.014 χ^2/NDF: 34.5/30

All: 0.006+/-0.009 χ^2/NDF: 64.8/62

- sign 0.003+/-0.013 χ^2/NDF: 30.2/31

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.232+/-0.011 χ^2/NDF:2815746.5/14

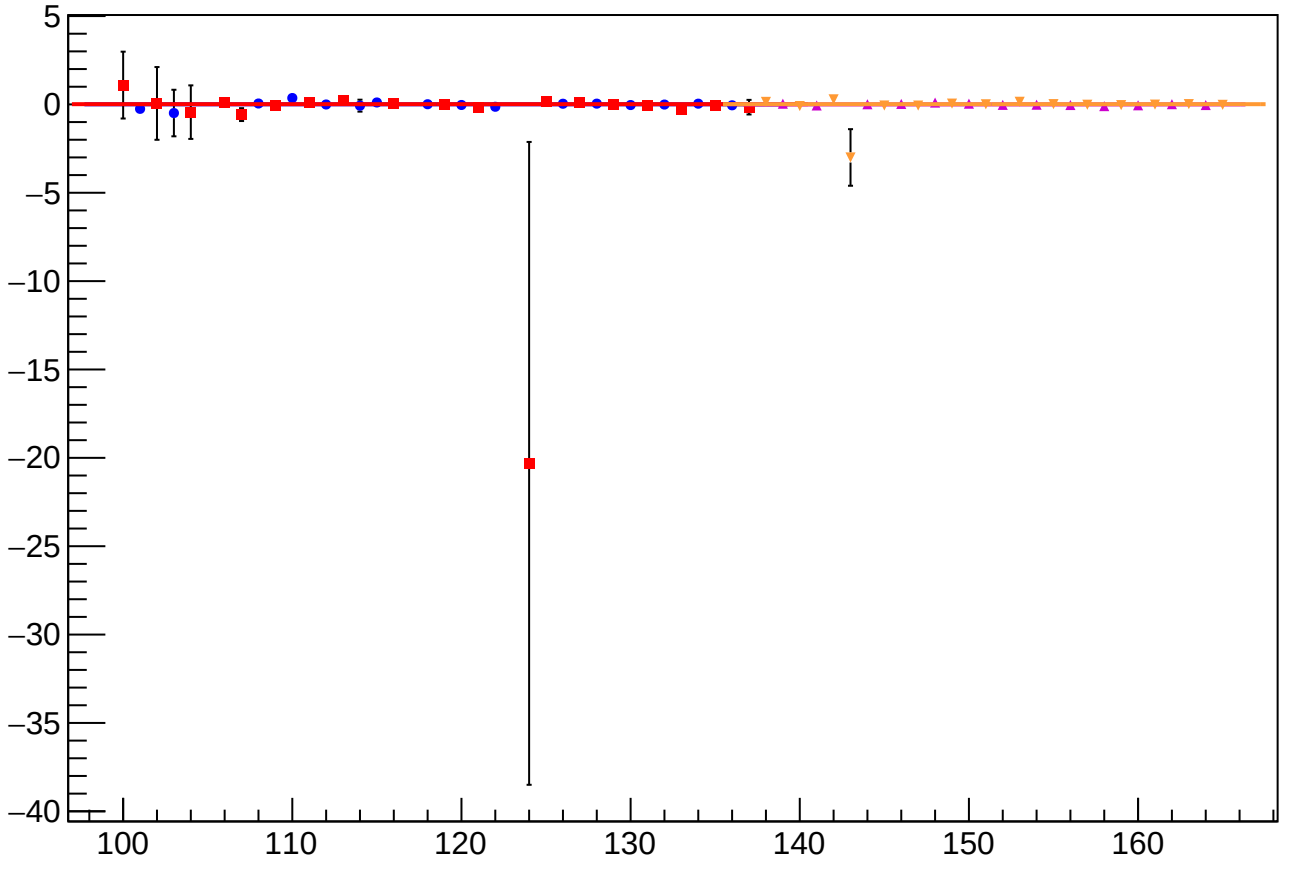
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.535+/-0.011 χ^2/NDF:1420072.4/12

+ sign 49.707+/-0.010 χ^2/NDF: 5740920.7/30

All: 48.771+/-0.007 χ^2/NDF: 10868737.9/62

- sign 47.858+/-0.009 χ^2/NDF: 5108822.9/31



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

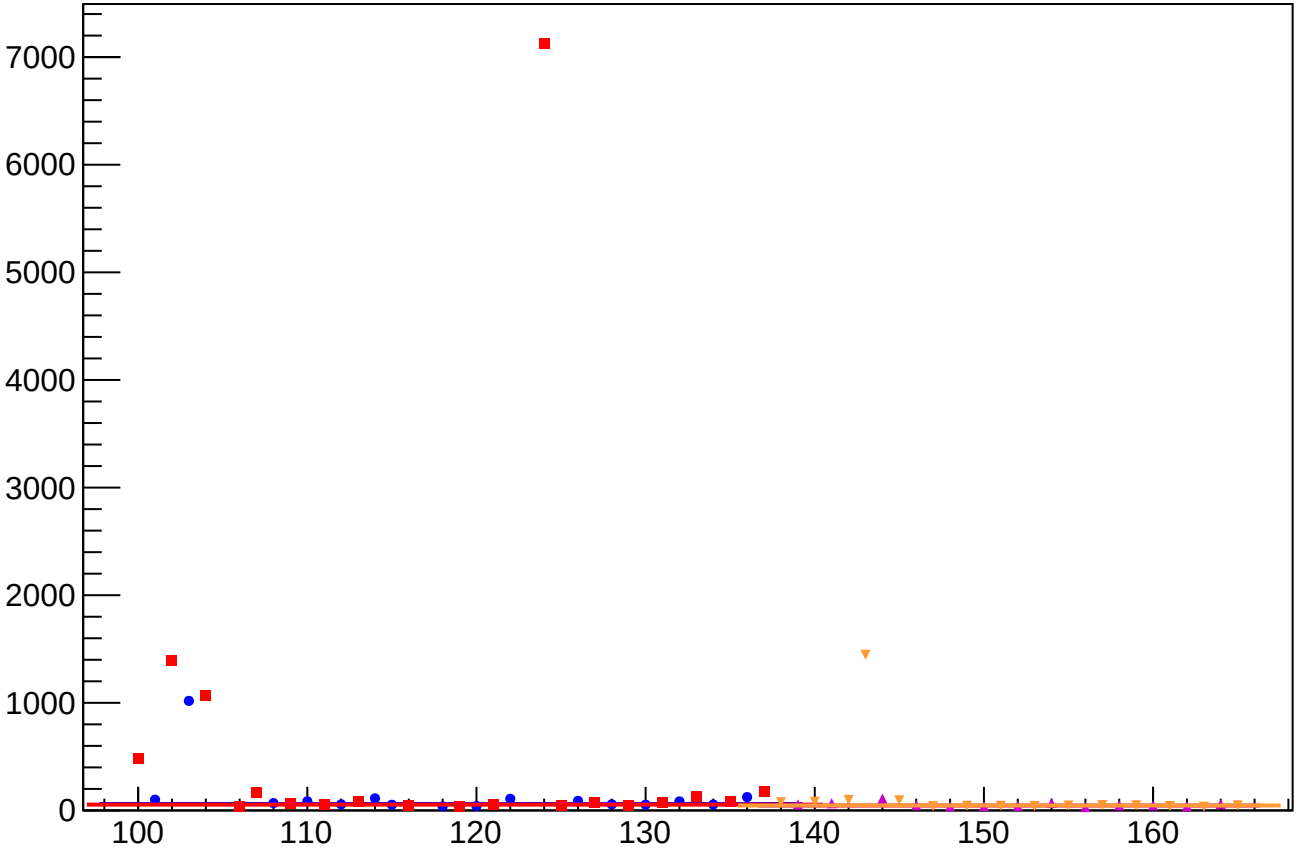
Left In: -0.001+/-0.016 χ^2/NDF:12.4/12

+ sign 0.010+/-0.014 χ^2/NDF: 34.5/30

All: 0.006+/-0.009 χ^2/NDF: 64.8/62

- sign 0.003+/-0.013 χ^2/NDF: 30.2/31

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: 46.232+/-0.011 χ^2/NDF:2815746.5/14

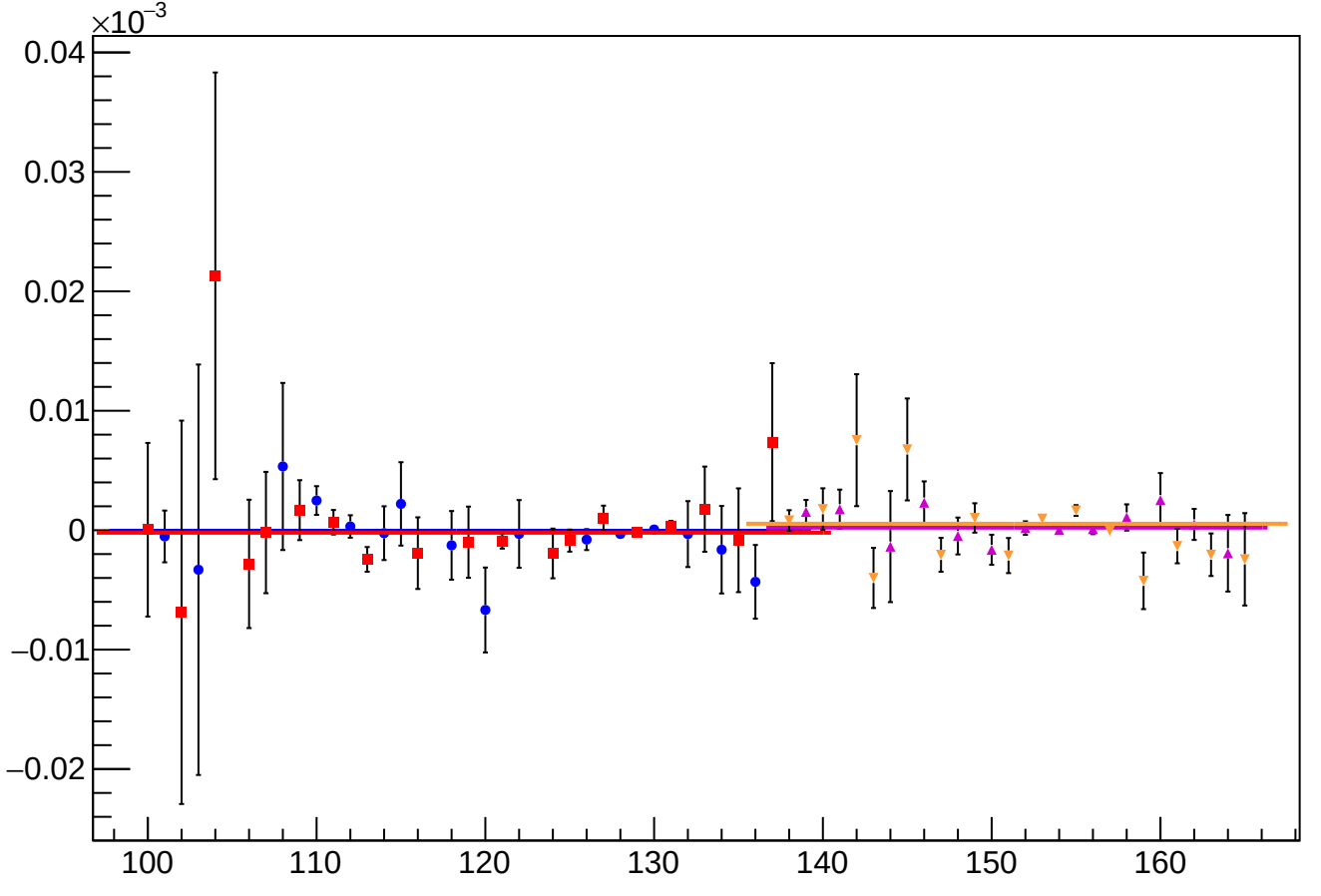
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.535+/-0.011 χ^2/NDF:1420072.4/12

+ sign 49.707+/-0.010 χ^2/NDF: 5740920.7/30

All: 48.771+/-0.007 χ^2/NDF: 10868737.9/62

- sign 47.858+/-0.009 χ^2/NDF: 5108822.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

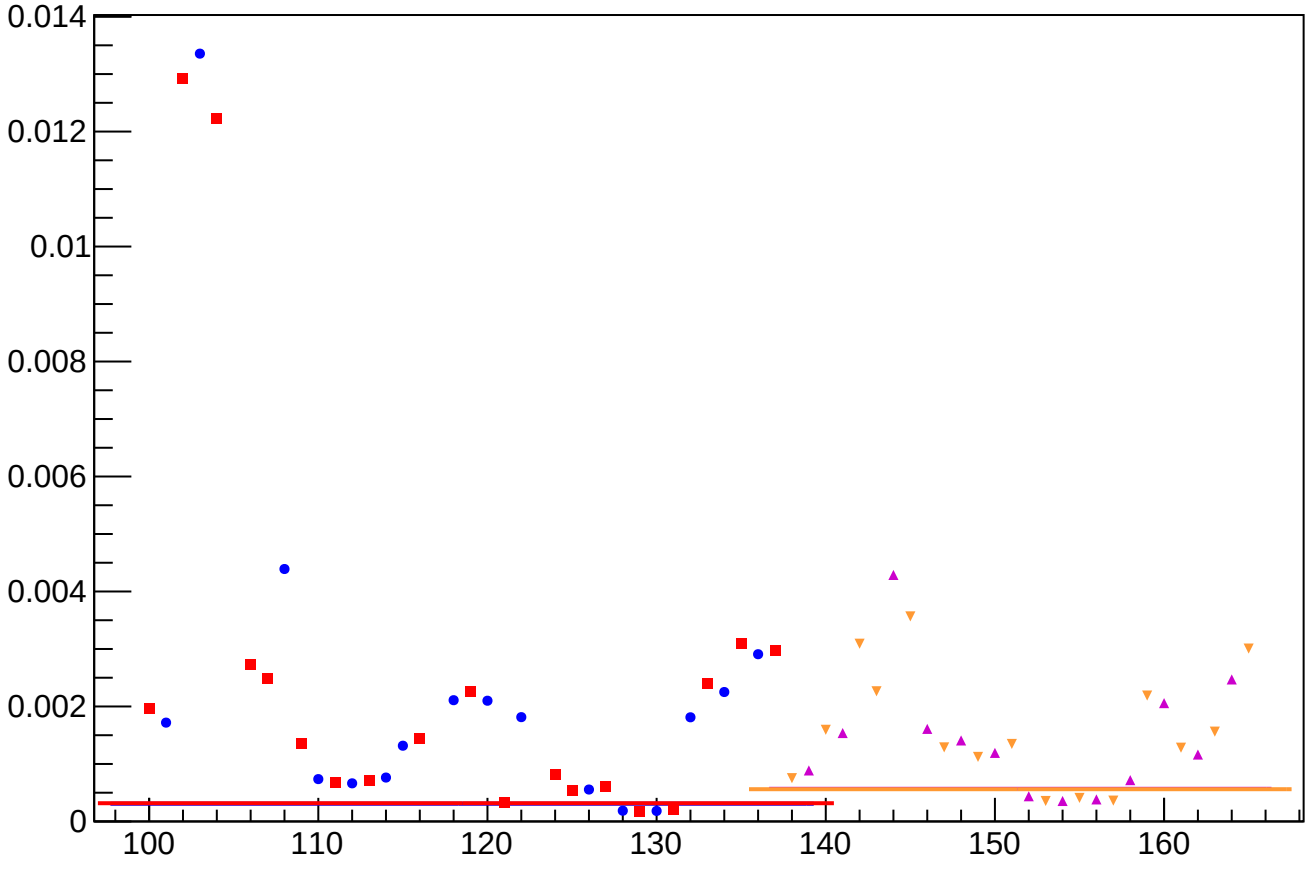
Left In: 0.000+/-0.000 χ^2/NDF:9.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 49.4/30

All: 0.000+/-0.000 χ^2/NDF: 77.6/62

- sign -0.000+/-0.000 χ^2/NDF: 26.7/31

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:8799801.0/14

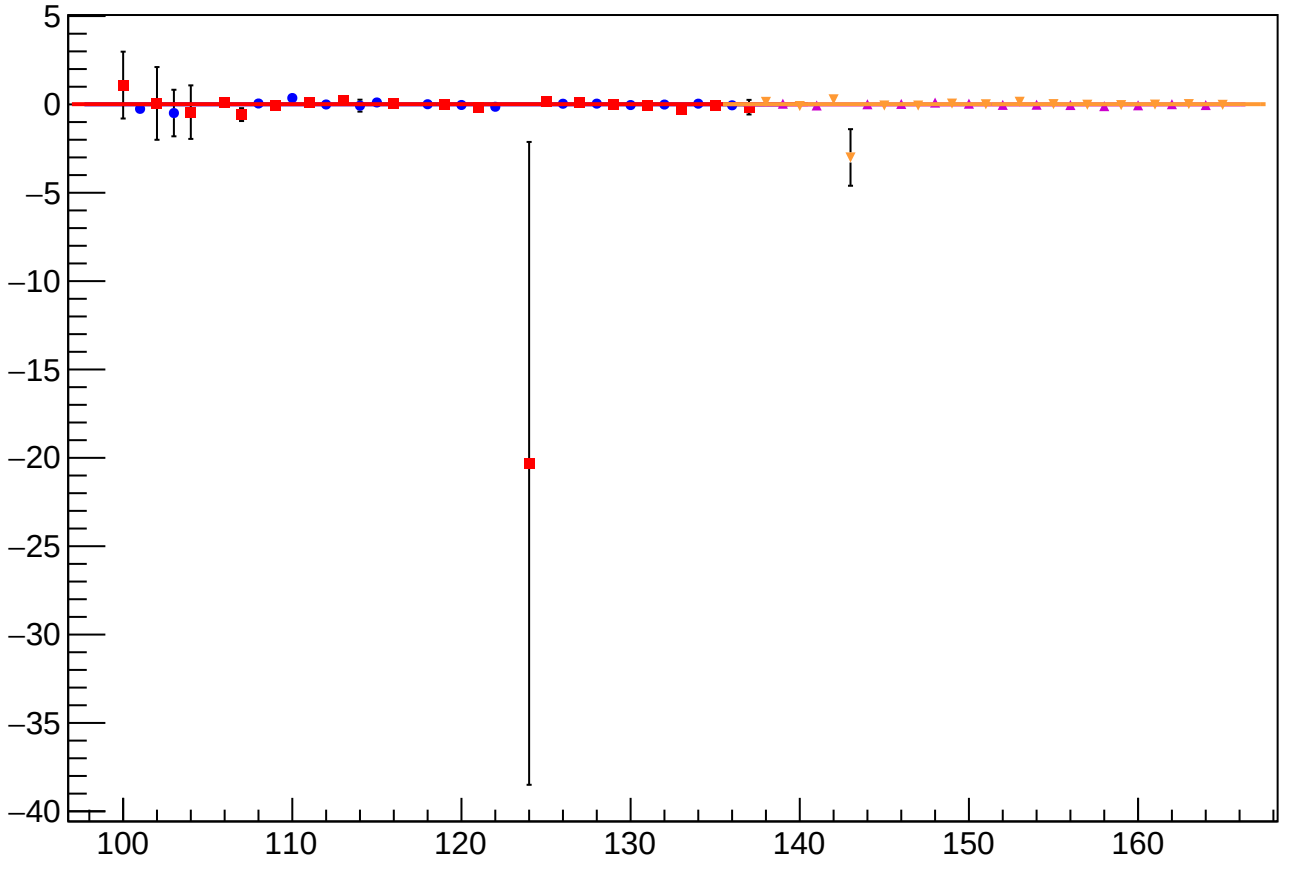
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:7089781.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 19107713.2/30

All: 0.000+/-0.000 χ^2/NDF: 35657381.7/62

- sign 0.000+/-0.000 χ^2/NDF: 16549627.1/31



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.016 χ^2/NDF:23.1/14

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

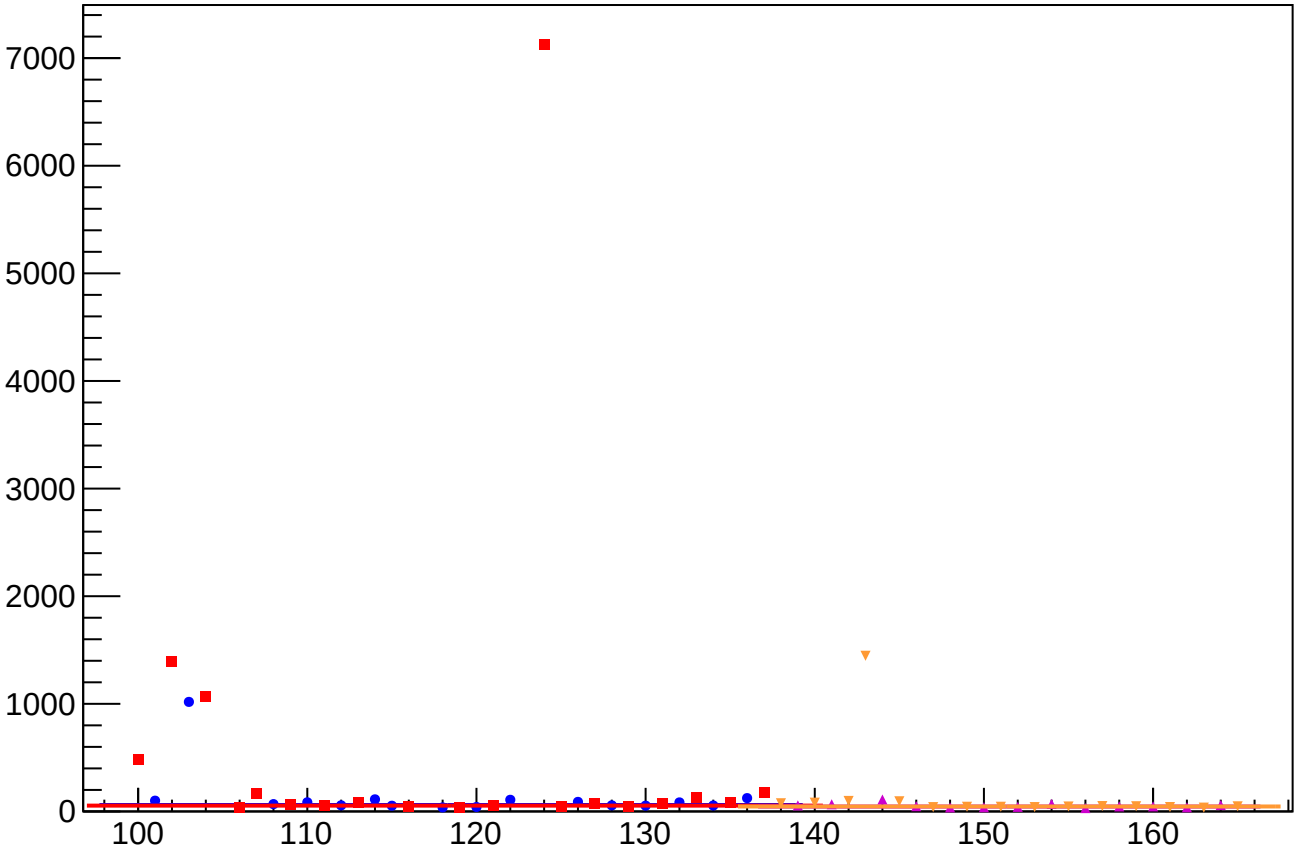
Left In: -0.001+/-0.016 χ^2/NDF:12.4/12

+ sign 0.010+/-0.014 χ^2/NDF: 34.5/30

All: 0.006+/-0.009 χ^2/NDF: 64.8/62

- sign 0.003+/-0.013 χ^2/NDF: 30.2/31

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: 46.232+/-0.011 χ^2/NDF:2815731.0/14

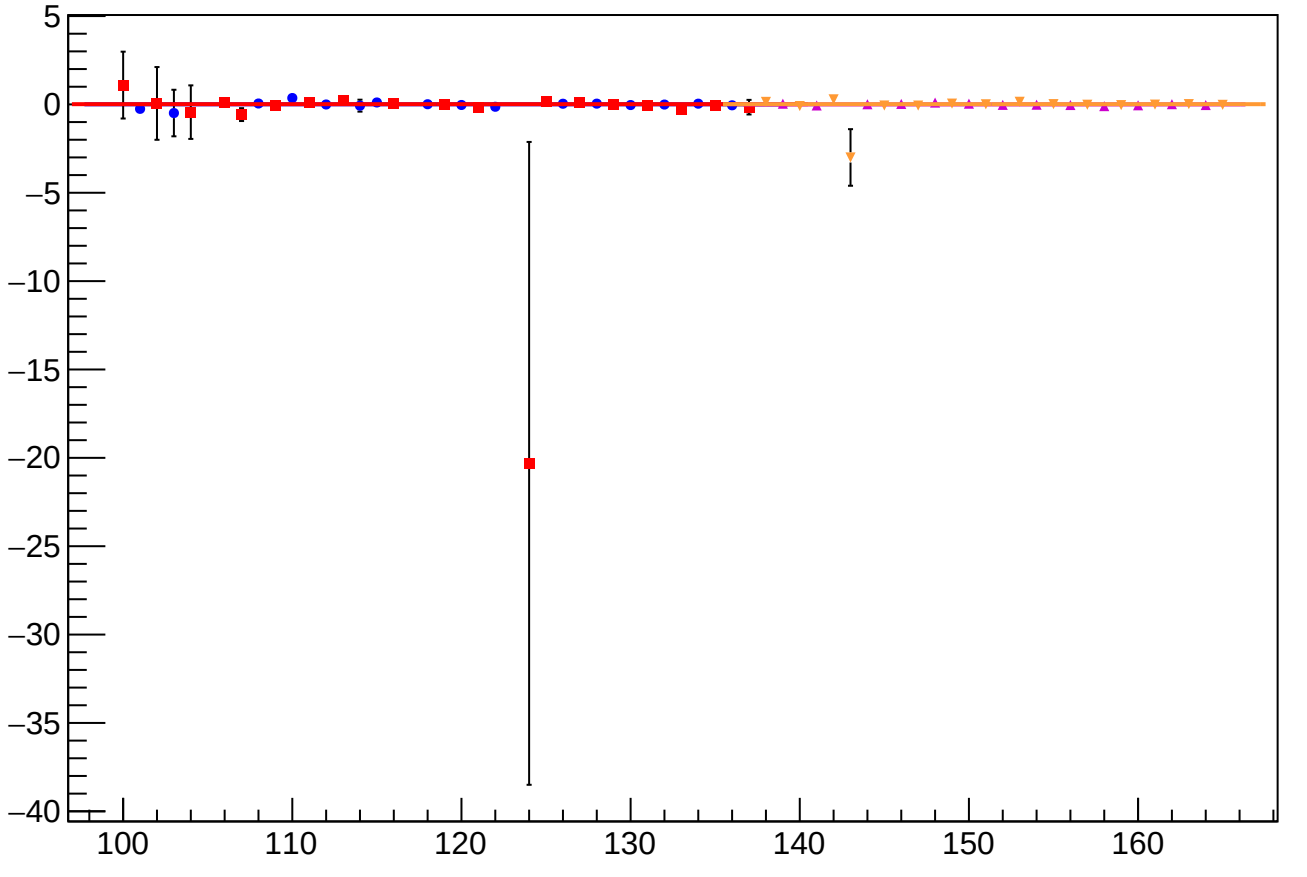
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.535+/-0.011 χ^2/NDF:1420073.1/12

+ sign 49.707+/-0.010 χ^2/NDF: 5740896.8/30

All: 48.771+/-0.007 χ^2/NDF: 10868747.6/62

- sign 47.858+/-0.009 χ^2/NDF: 5108848.3/31



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.012+/-0.016 χ^2/NDF:23.1/14

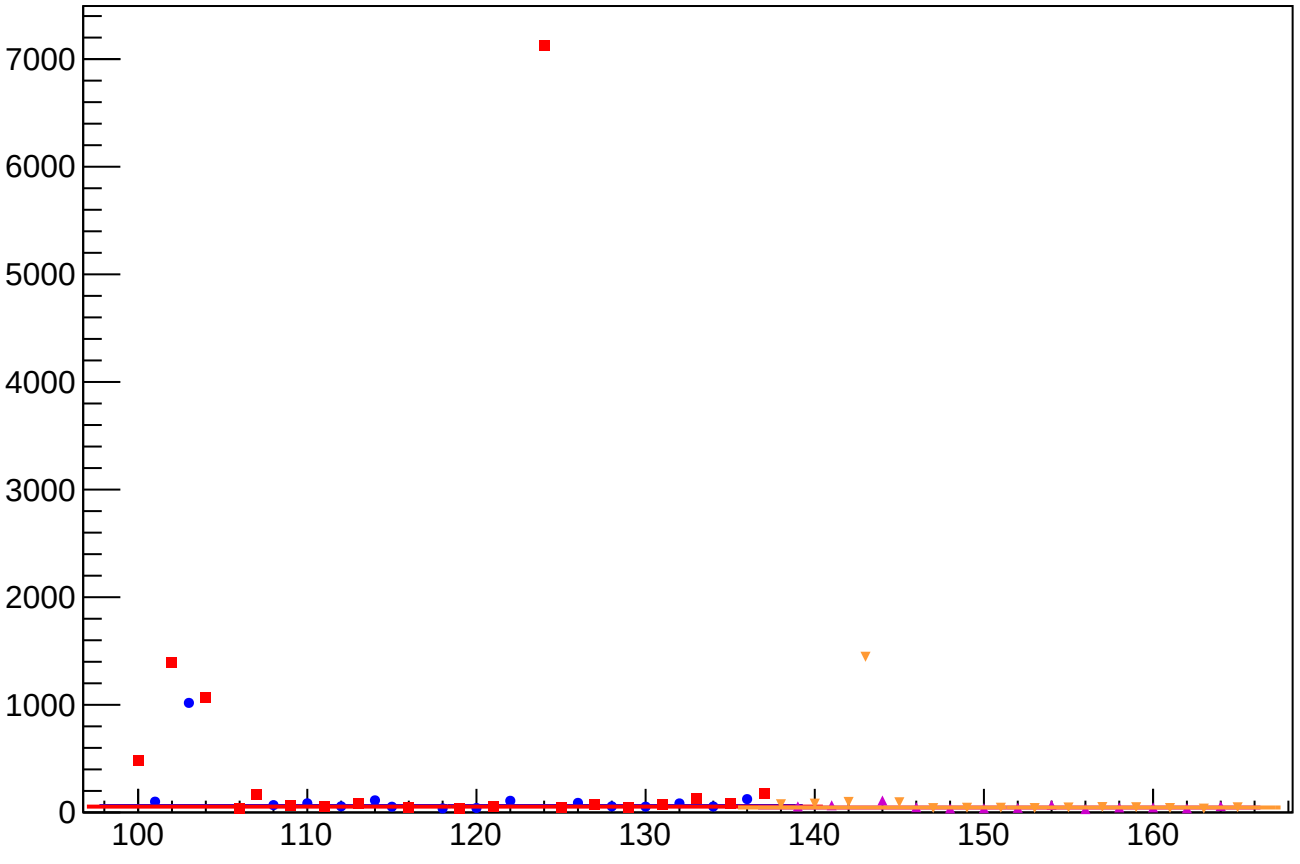
Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.001+/-0.016 χ^2/NDF:12.4/12

+ sign 0.010+/-0.014 χ^2/NDF: 34.5/30

All: 0.006+/-0.009 χ^2/NDF: 64.8/62

- sign 0.003+/-0.013 χ^2/NDF: 30.2/31



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.232+/-0.011 χ^2/NDF:2815731.0/14

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

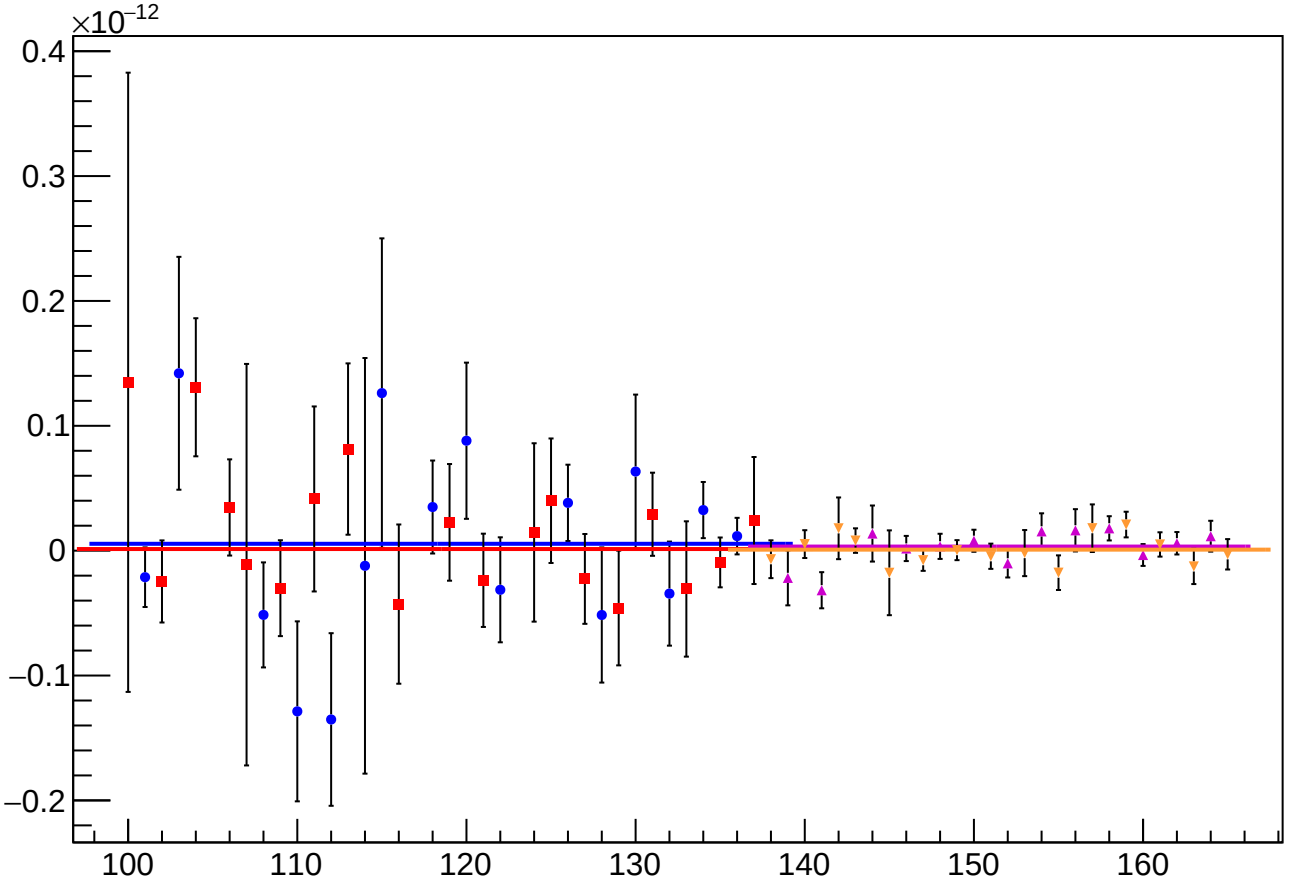
Left In: 45.535+/-0.011 χ^2/NDF:1420073.1/12

+ sign 49.707+/-0.010 χ^2/NDF: 5740896.8/30

All: 48.771+/-0.007 χ^2/NDF: 10868747.6/62

- sign 47.858+/-0.009 χ^2/NDF: 5108848.3/31

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/14

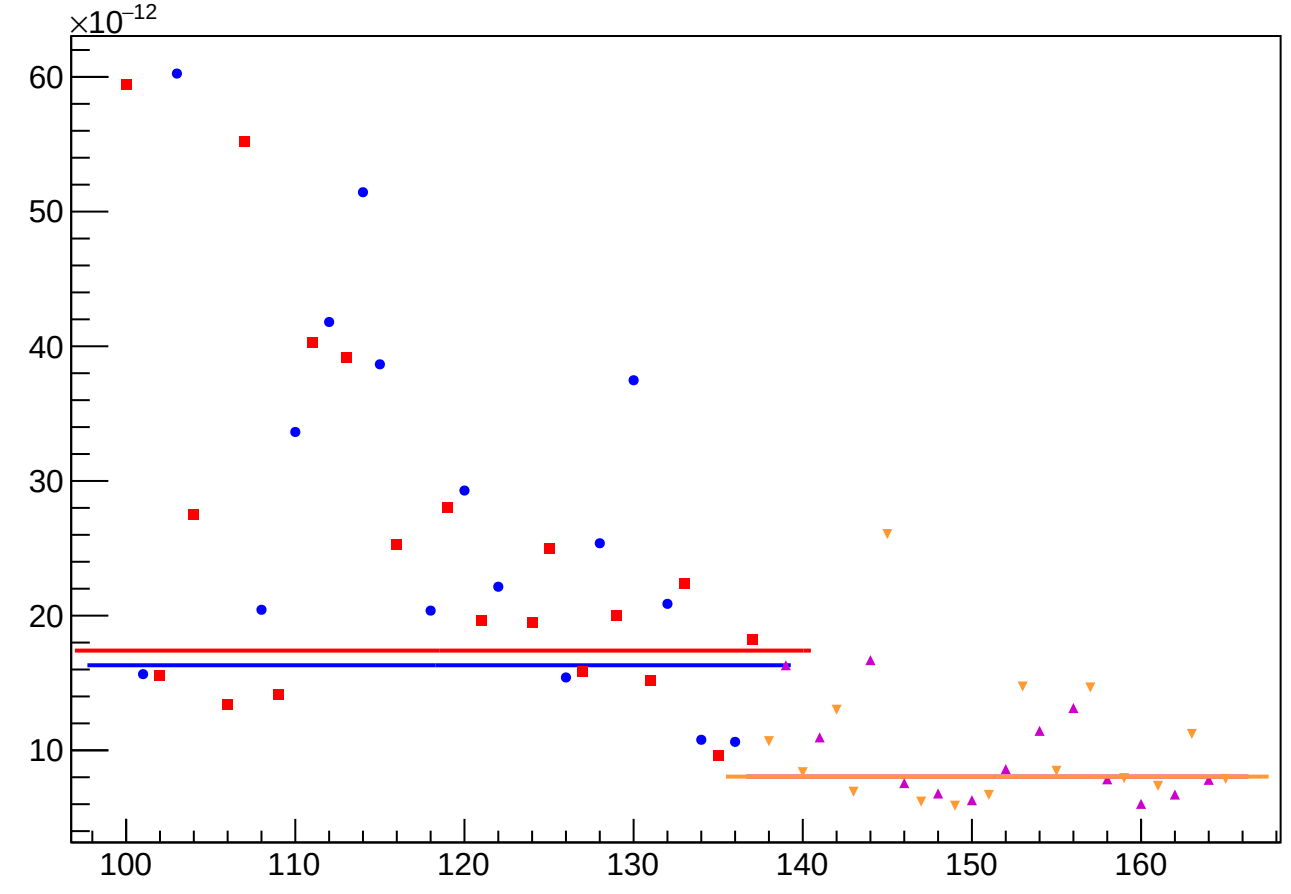
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 33.5/30

All: 0.000+/-0.000 χ^2/NDF: 61.8/62

- sign 0.000+/-0.000 χ^2/NDF: 28.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1625006.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

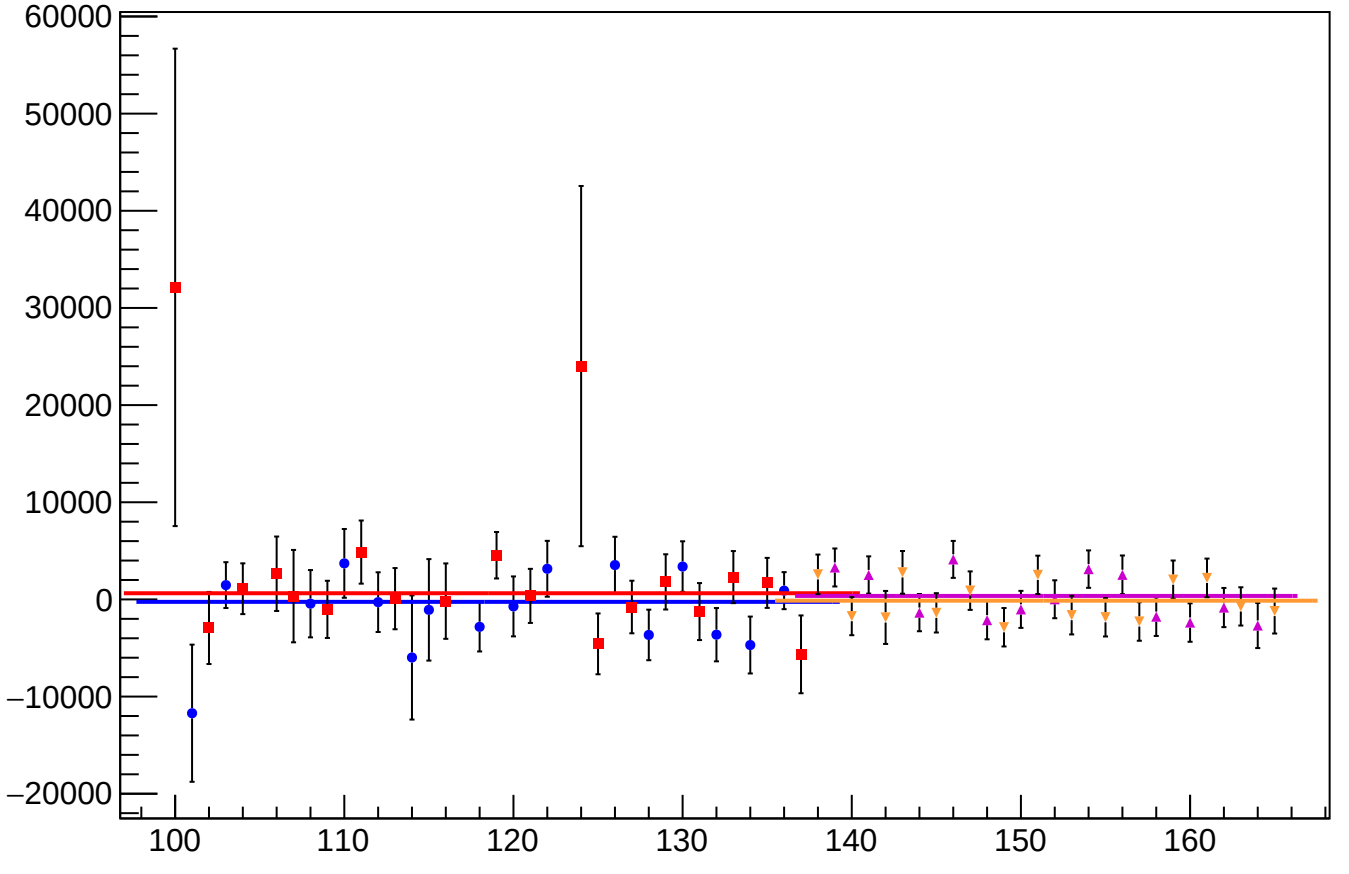
Left In: 0.000+/-0.000 χ^2/NDF:1223265.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 5145279.2/30

All: 0.000+/-0.000 χ^2/NDF: 9222942.5/62

- sign 0.000+/-0.000 χ^2/NDF: 4077568.2/31

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -131.131+/-529.166 χ^2/NDF:14.3/14

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

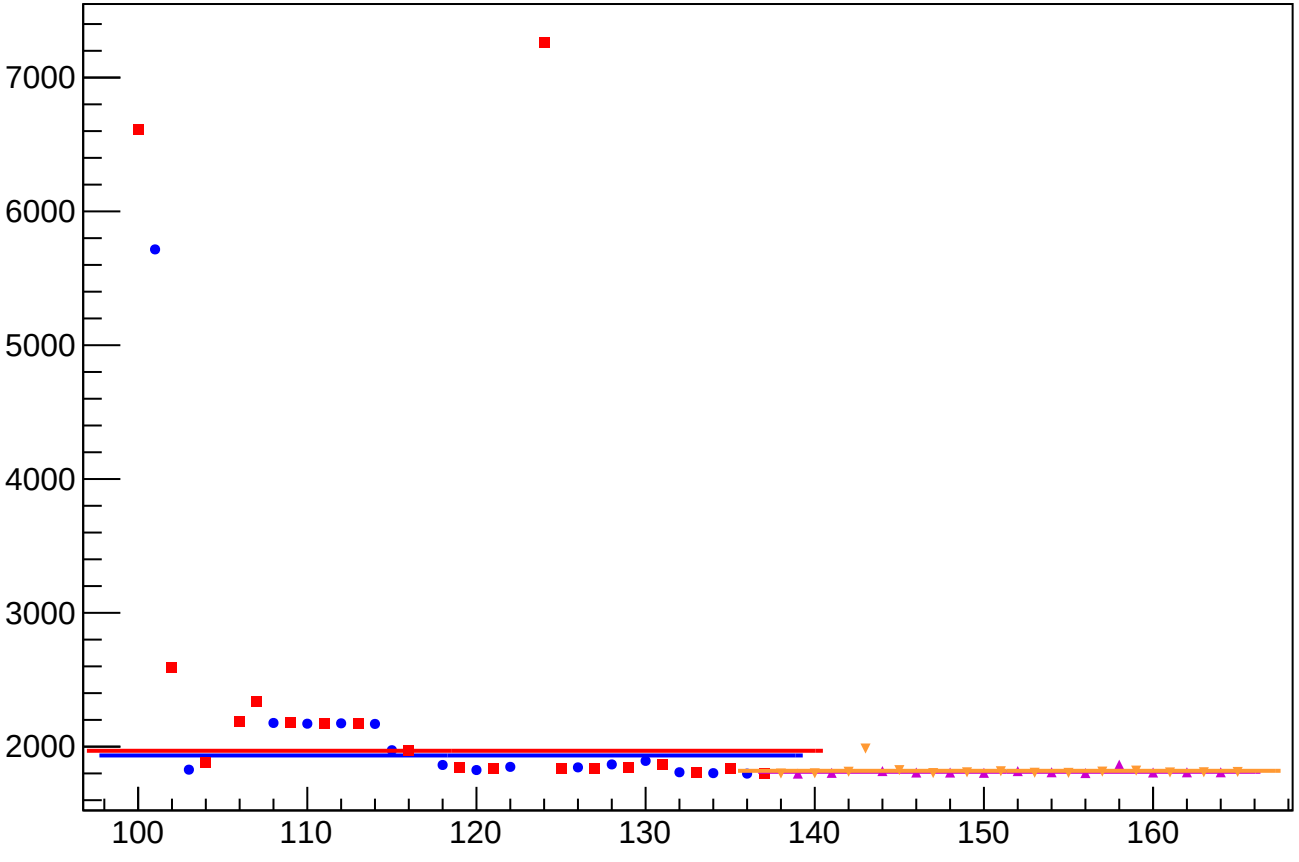
Left In: 359.217+/-547.098 χ^2/NDF:18.8/12

+ sign -172.146+/-429.468 χ^2/NDF: 31.6/30

All: 135.959+/-306.983 χ^2/NDF: 67.4/62

- sign 457.843+/-438.967 χ^2/NDF: 34.8/31

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1819.538+/-0.374 χ^2/NDF:12509.5/14

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

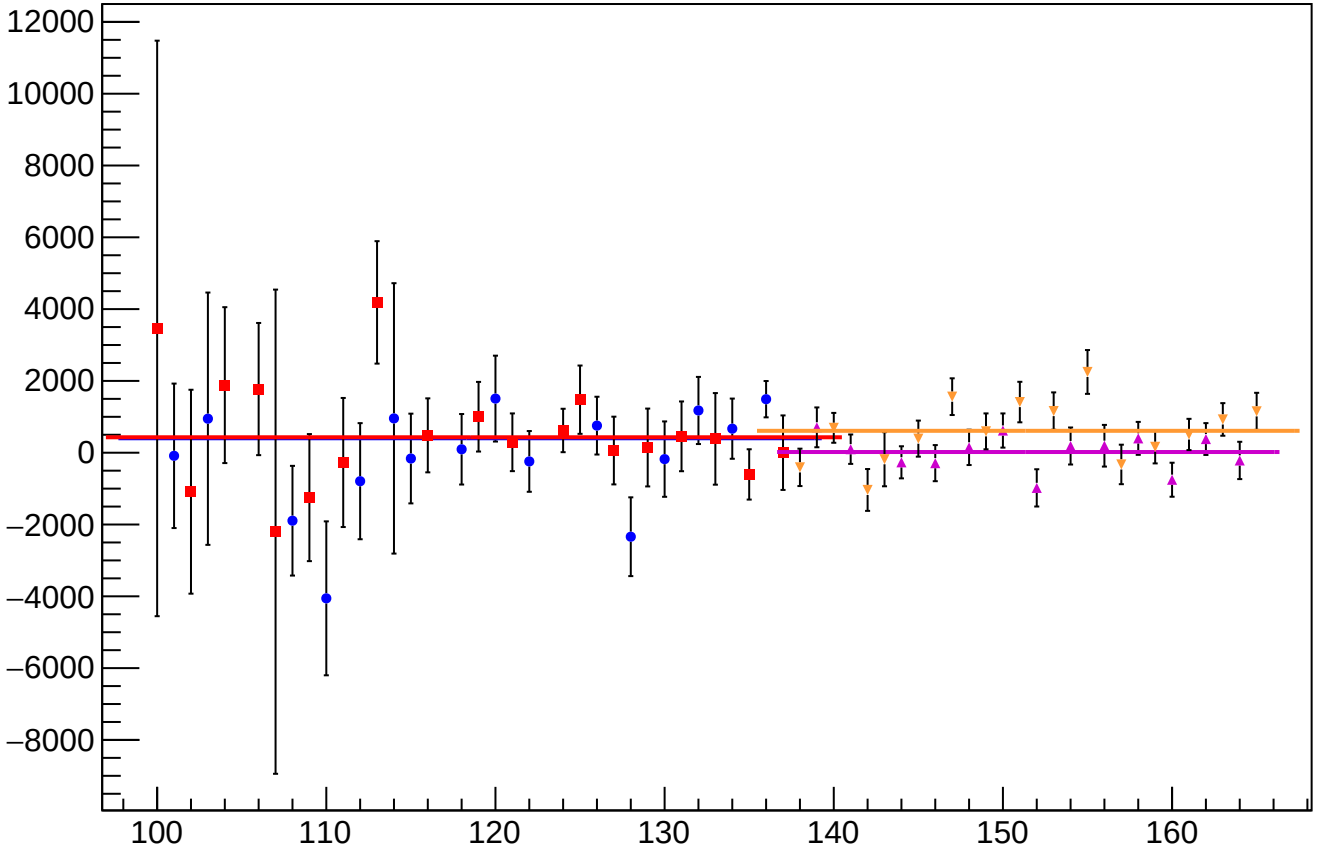
Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

+ sign 1858.680+/-0.304 χ^2/NDF: 684489.4/30

All: 1863.272+/-0.217 χ^2/NDF: 1123810.9/62

- sign 1868.069+/-0.310 χ^2/NDF: 438854.0/31

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 609.940+/-132.010 χ^2/NDF:32.4/14

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

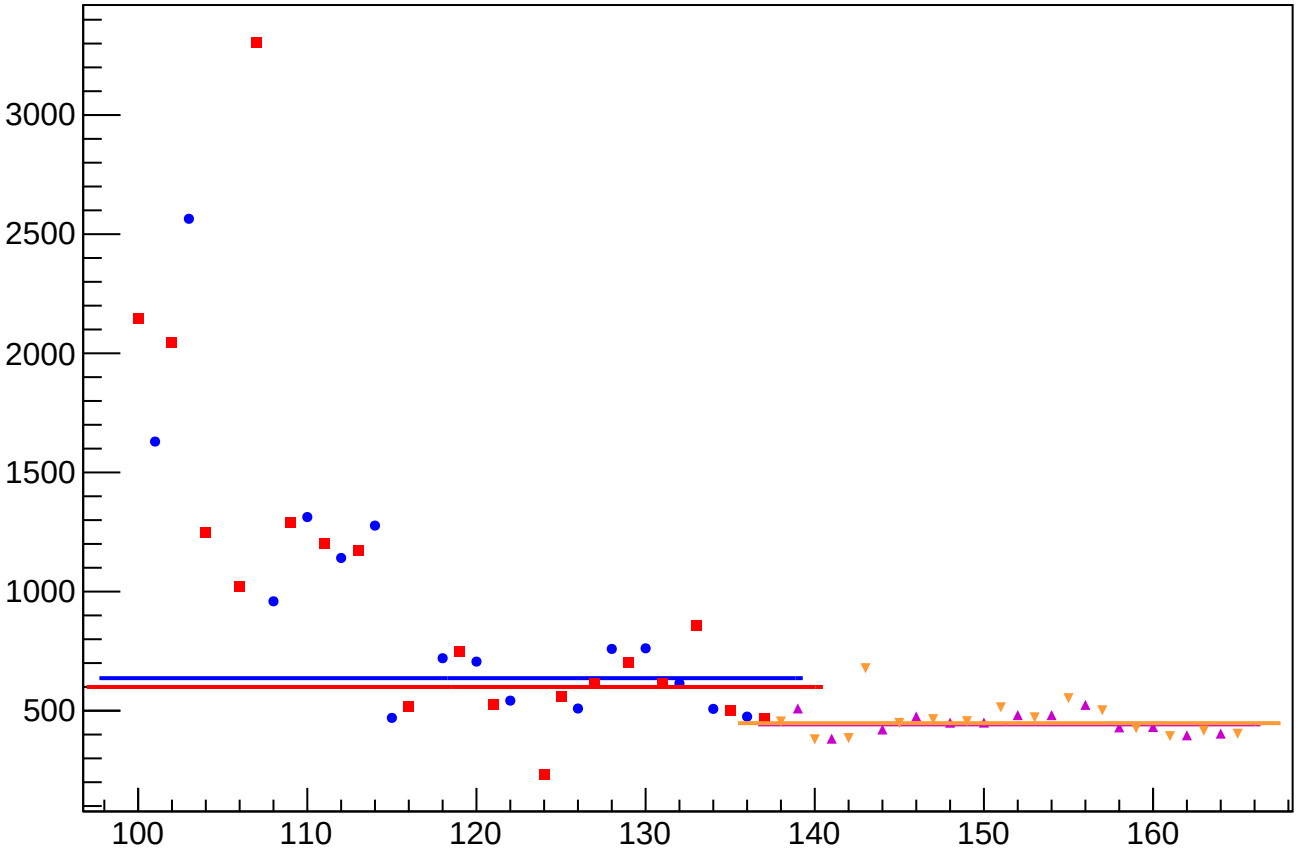
Left In: 19.383+/-134.667 χ^2/NDF:12.1/12

+ sign 567.078+/-117.574 χ^2/NDF: 54.1/30

All: 341.095+/-83.587 χ^2/NDF: 87.5/62

- sign 110.149+/-118.858 χ^2/NDF: 25.9/31

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 447.744+/-0.093 χ^2/NDF:437028.8/14

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

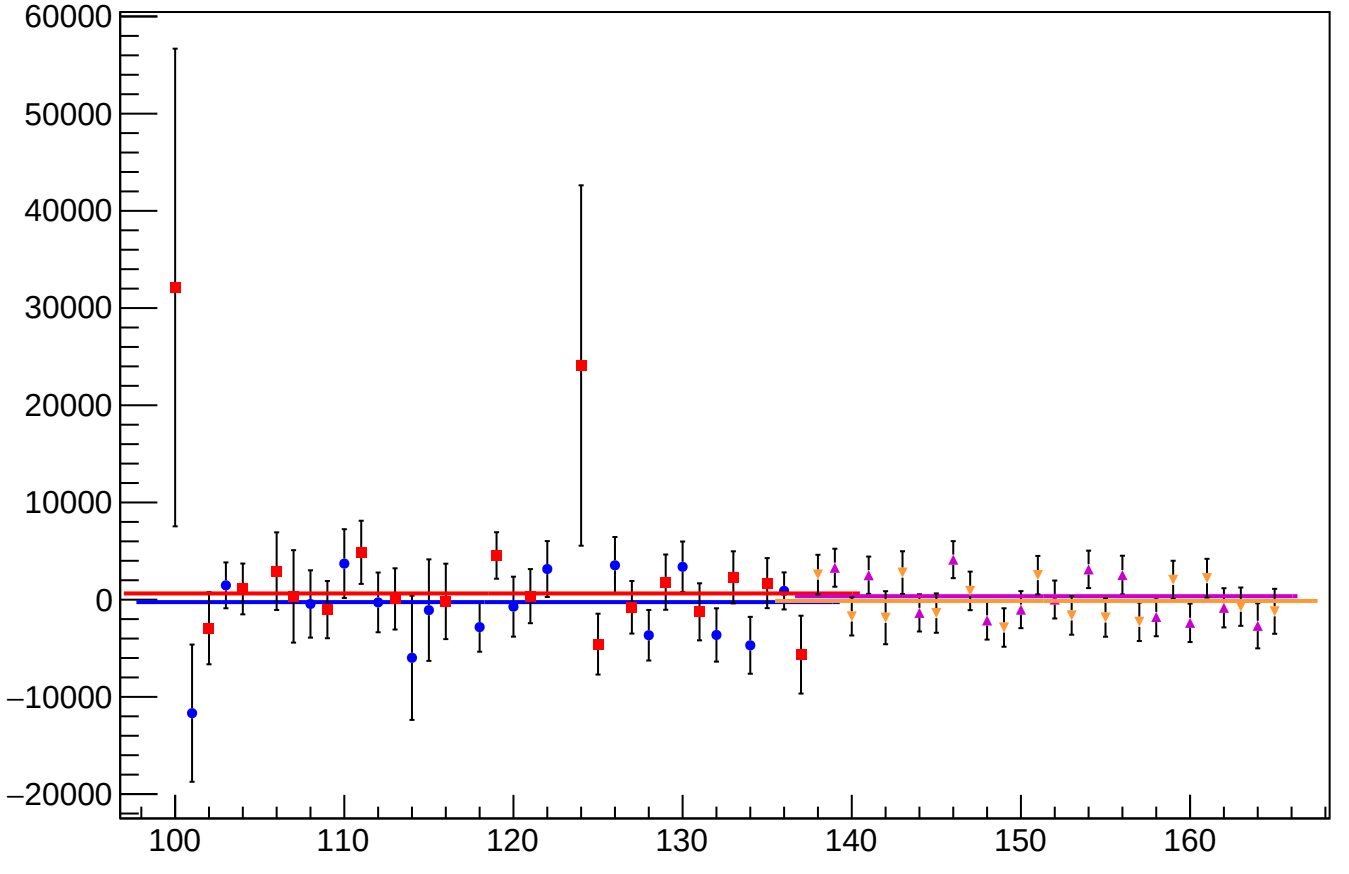
Left In: 442.717+/-0.095 χ^2/NDF:183533.8/12

+ sign 486.811+/-0.083 χ^2/NDF: 3351128.1/30

All: 482.155+/-0.059 χ^2/NDF: 7085241.1/62

- sign 477.397+/-0.084 χ^2/NDF: 3727771.5/31

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -131.187+/-529.166 χ^2/NDF:14.3/14

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

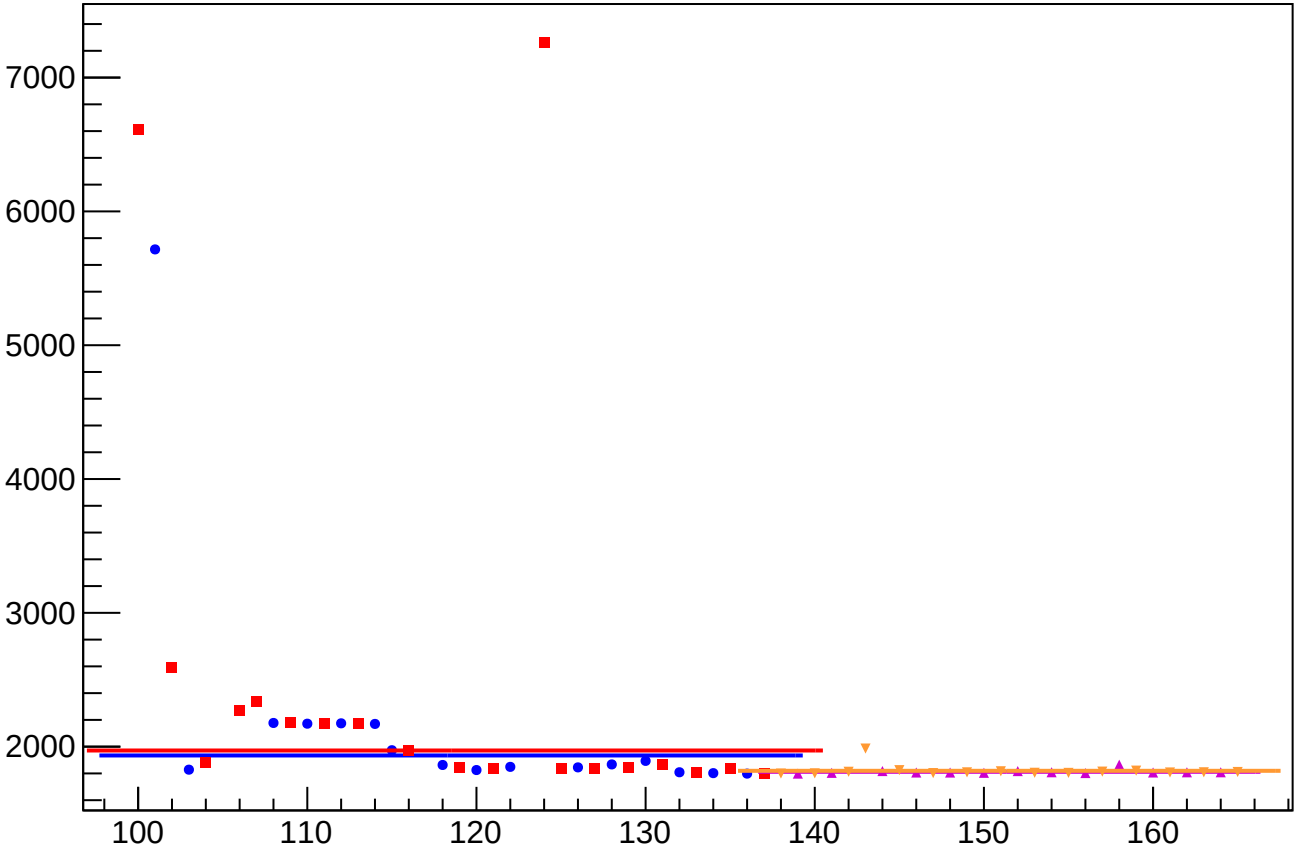
Left In: 359.184+/-547.098 χ^2/NDF:18.8/12

+ sign -171.906+/-429.468 χ^2/NDF: 31.6/30

All: 136.648+/-307.061 χ^2/NDF: 67.5/62

- sign 459.338+/-439.195 χ^2/NDF: 34.8/31

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1819.538+/-0.374 χ^2/NDF:12509.5/14

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

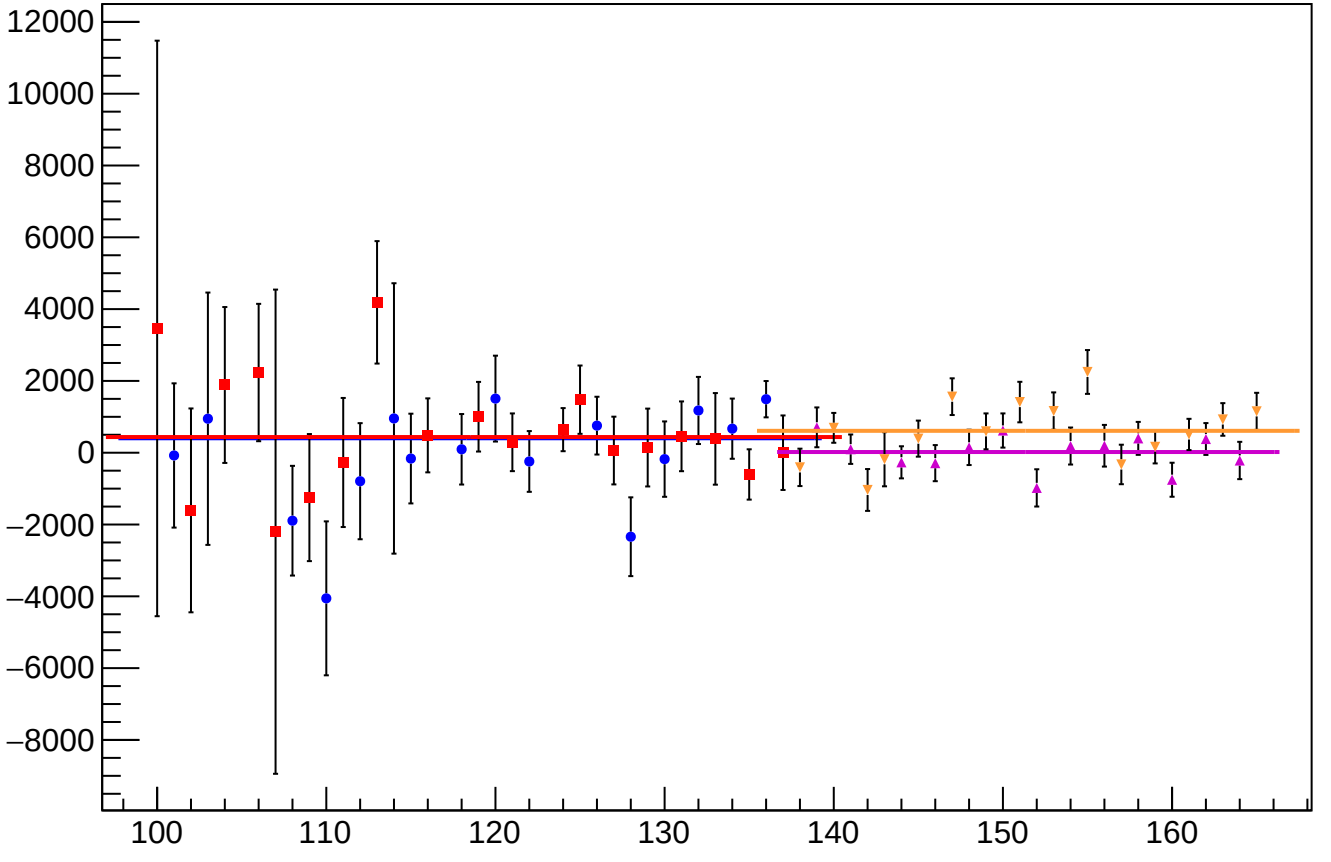
Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

+ sign 1858.680+/-0.304 χ^2/NDF: 684489.3/30

All: 1863.592+/-0.217 χ^2/NDF: 1130184.2/62

- sign 1868.729+/-0.311 χ^2/NDF: 445159.6/31

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 609.868+/-132.010 χ^2/NDF:32.4/14

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

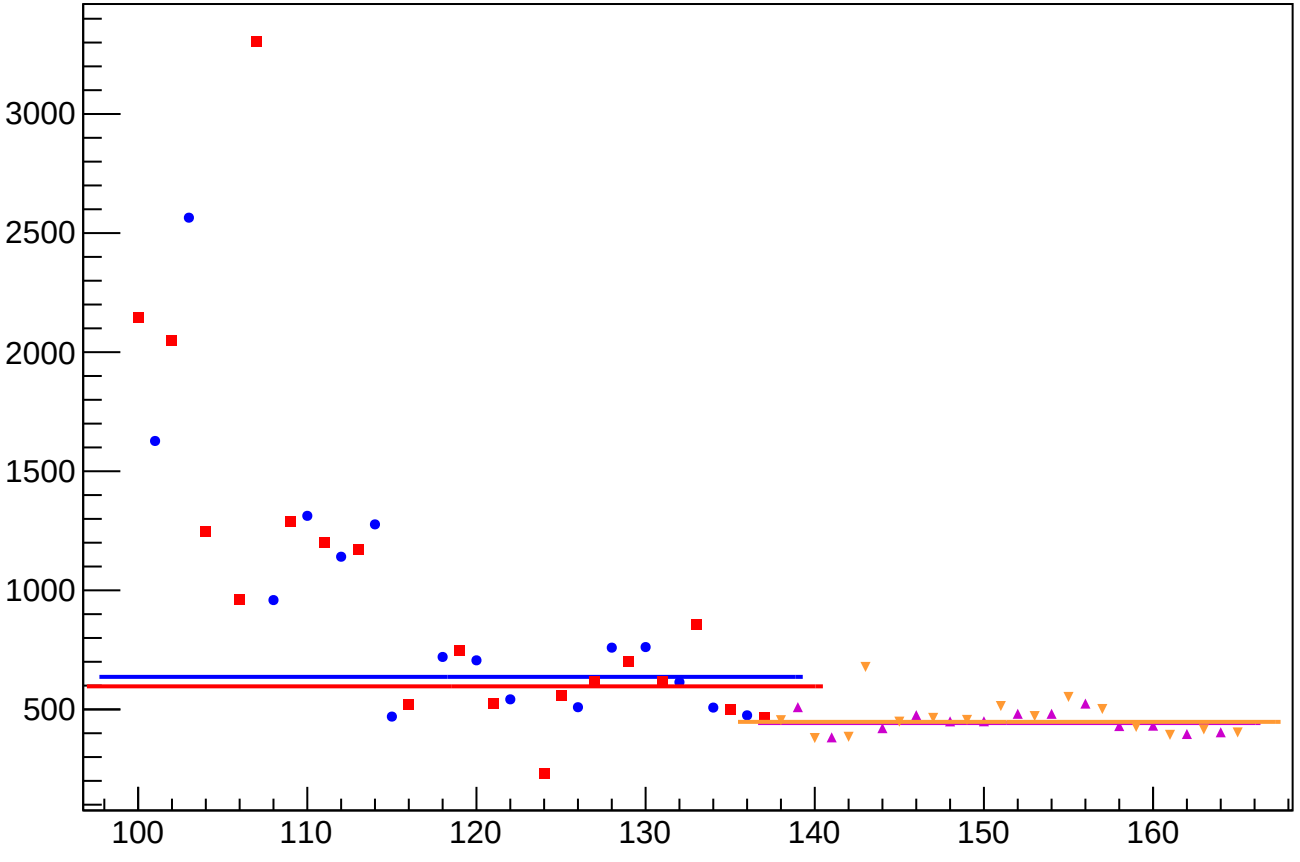
Left In: 19.384+/-134.666 χ^2/NDF:12.1/12

+ sign 567.033+/-117.573 χ^2/NDF: 54.1/30

All: 341.809+/-83.581 χ^2/NDF: 88.1/62

- sign 111.700+/-118.841 χ^2/NDF: 26.6/31

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 447.745+/-0.093 χ^2/NDF:436998.6/14

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

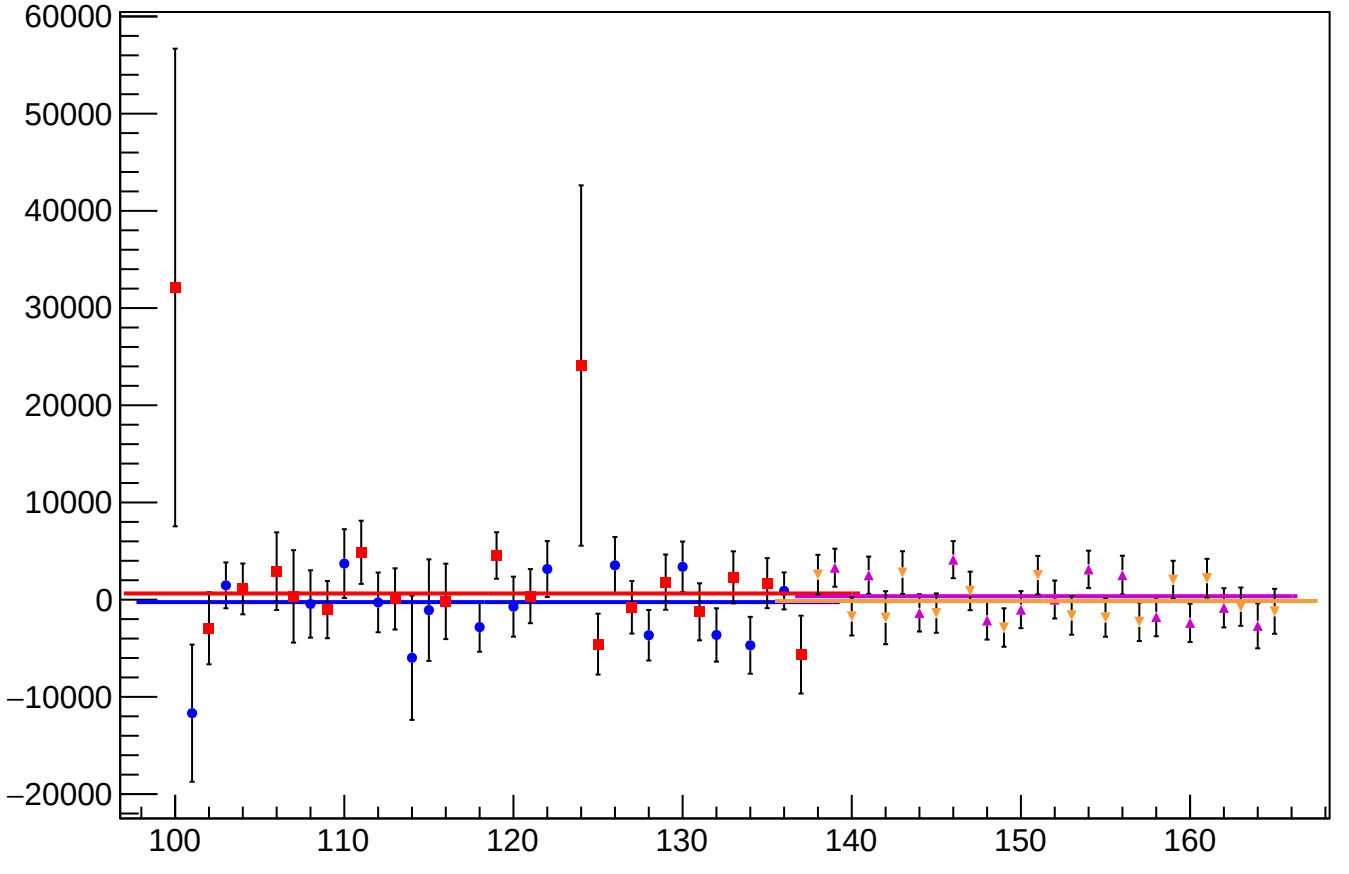
Left In: 442.714+/-0.095 χ^2/NDF:183524.3/12

+ sign 486.814+/-0.083 χ^2/NDF: 3350261.4/30

All: 481.868+/-0.059 χ^2/NDF: 7051086.6/62

- sign 476.814+/-0.084 χ^2/NDF: 3693669.6/31

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -131.187+/-529.166 χ^2/NDF:14.3/14

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

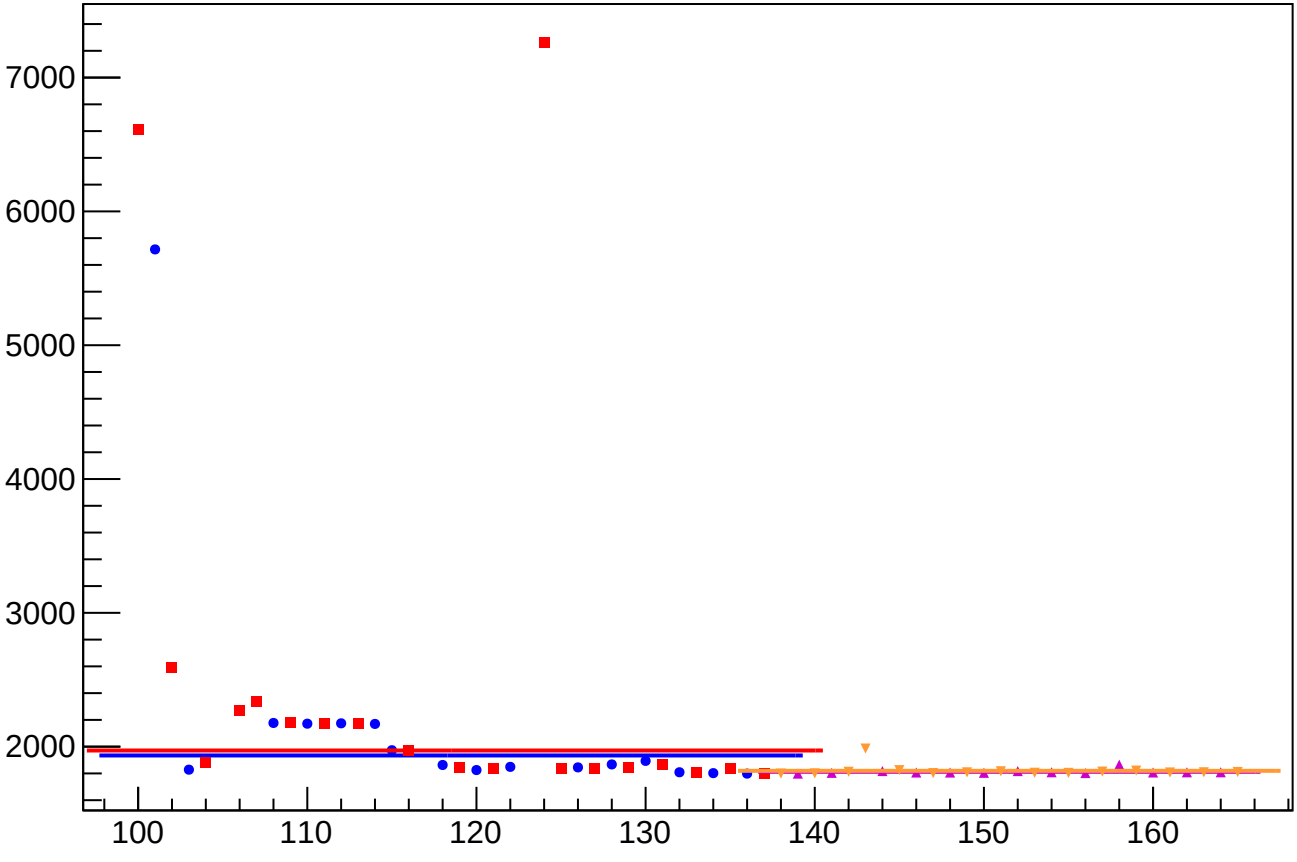
Left In: 359.184+/-547.098 χ^2/NDF:18.8/12

+ sign -171.906+/-429.468 χ^2/NDF: 31.6/30

All: 136.648+/-307.061 χ^2/NDF: 67.5/62

- sign 459.338+/-439.195 χ^2/NDF: 34.8/31

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1819.538+/-0.374 χ^2/NDF:12509.5/14

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

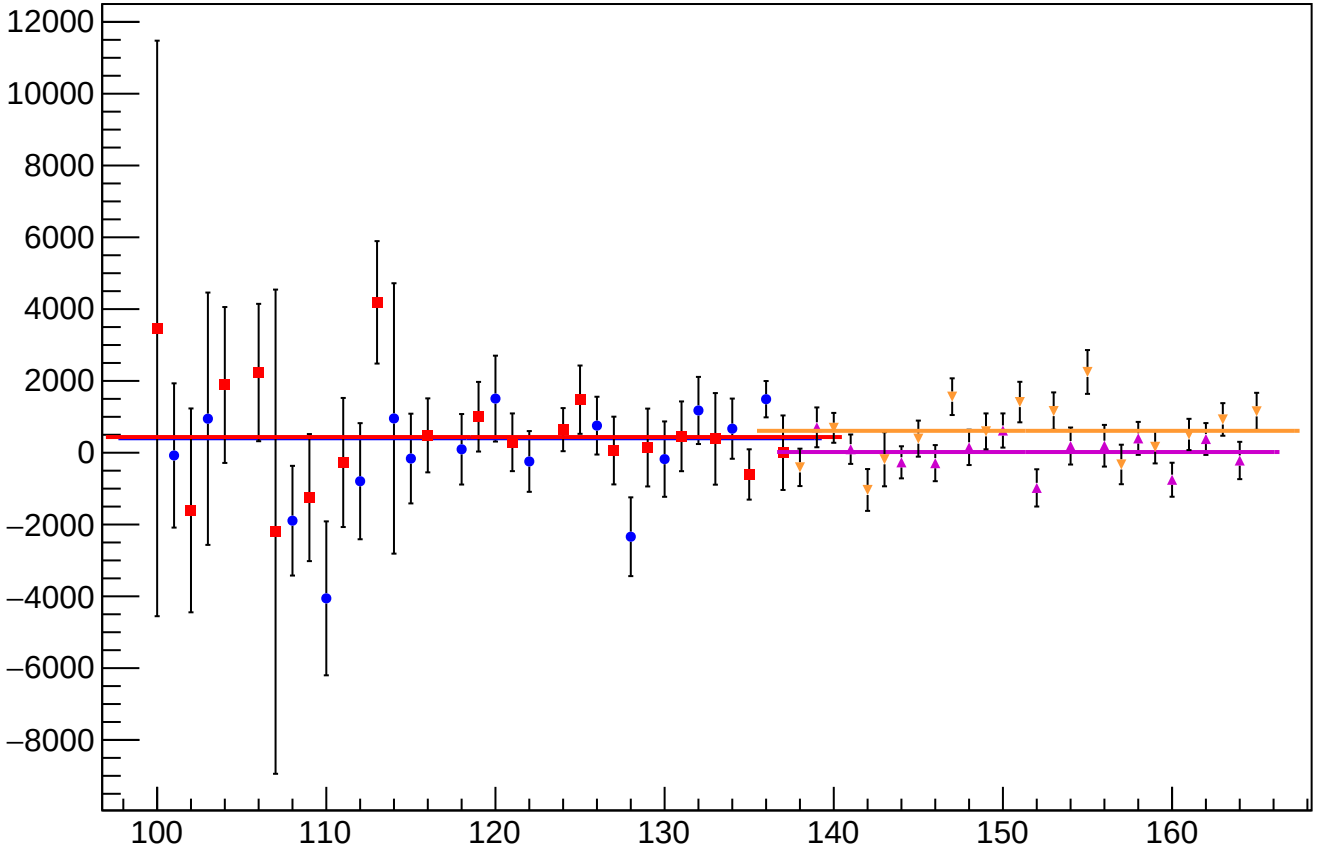
Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

+ sign 1858.680+/-0.304 χ^2/NDF: 684489.3/30

All: 1863.592+/-0.217 χ^2/NDF: 1130184.2/62

- sign 1868.729+/-0.311 χ^2/NDF: 445159.6/31

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 609.868+/-132.010 χ^2/NDF:32.4/14

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

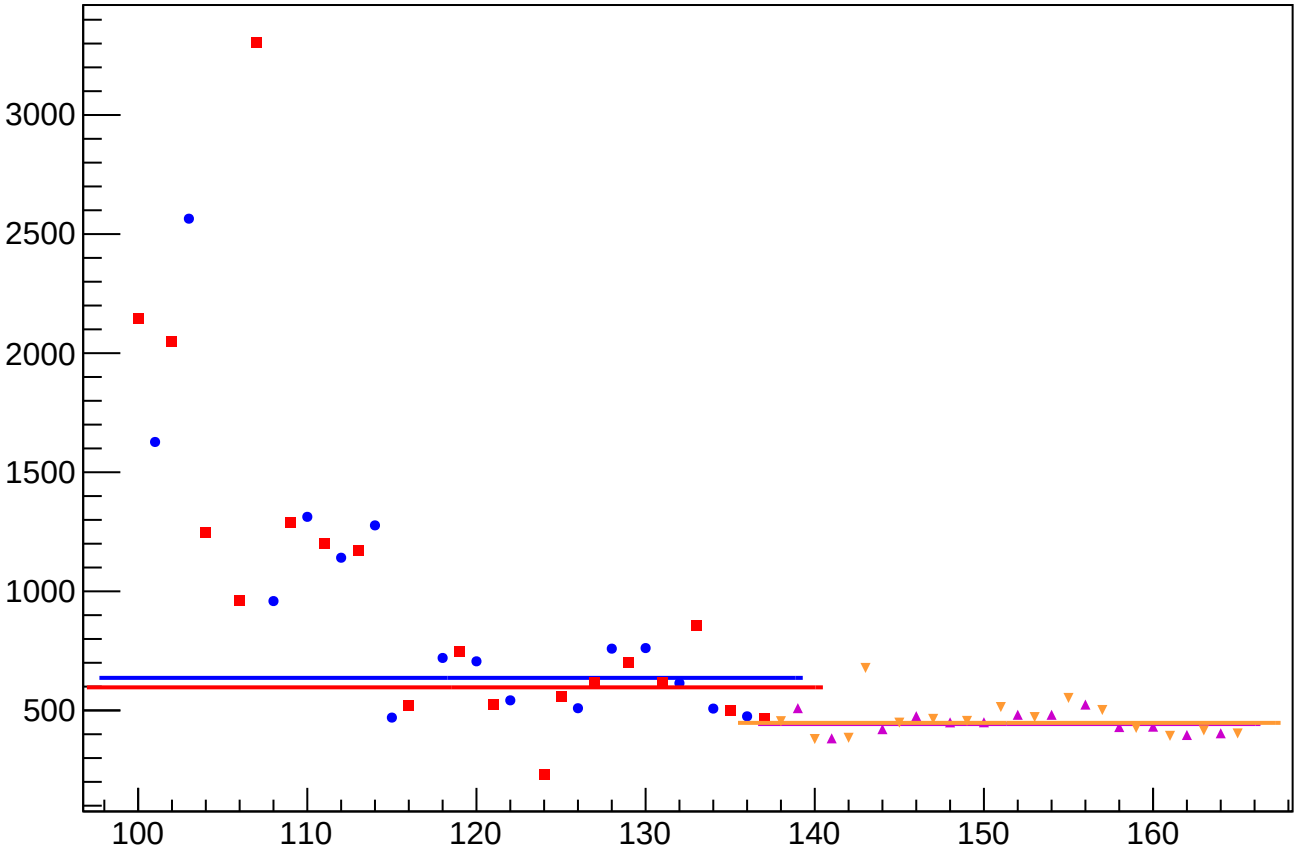
Left In: 19.384+/-134.666 χ^2/NDF:12.1/12

+ sign 567.033+/-117.573 χ^2/NDF: 54.1/30

All: 341.809+/-83.581 χ^2/NDF: 88.1/62

- sign 111.700+/-118.841 χ^2/NDF: 26.6/31

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 447.745+/-0.093 χ^2/NDF:436998.6/14

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

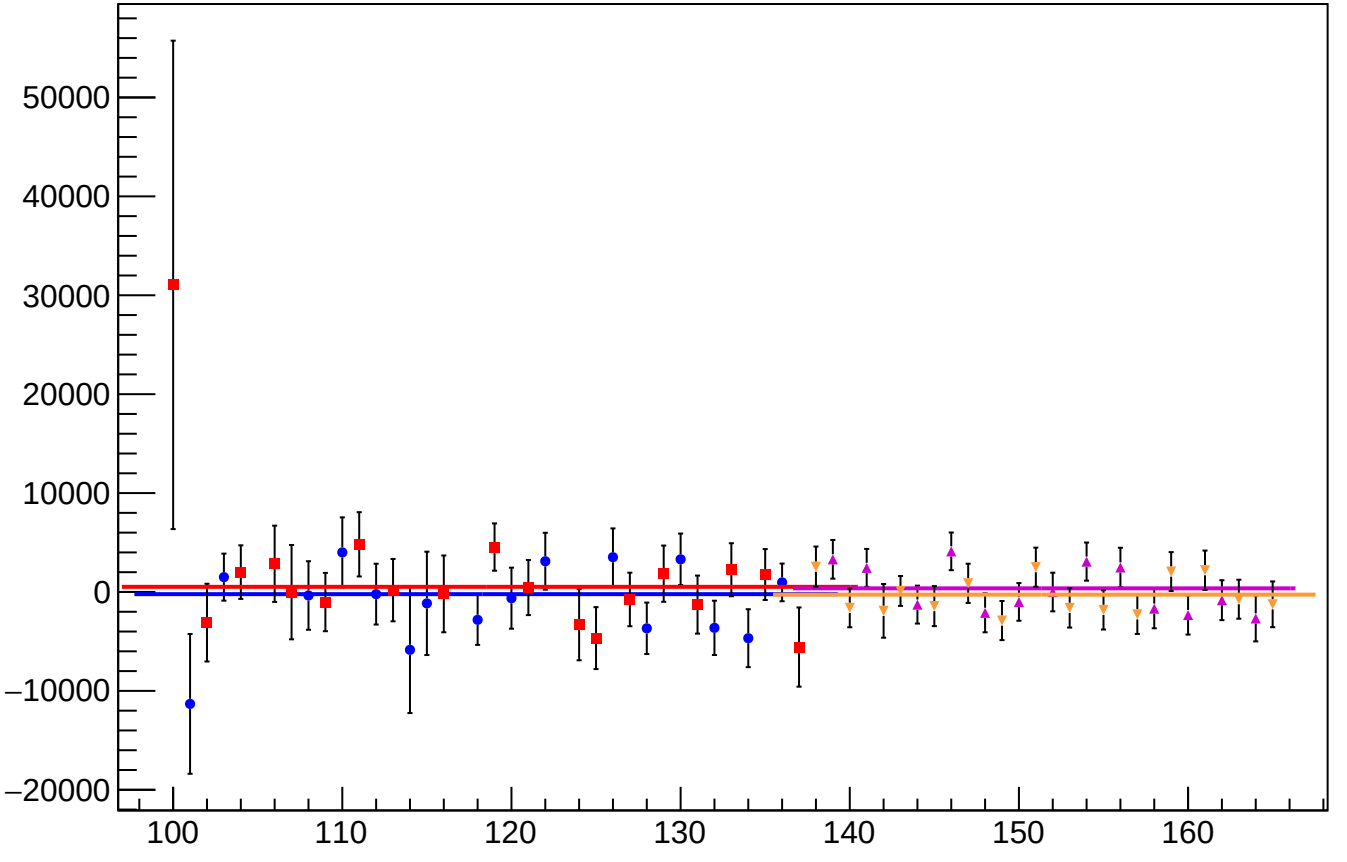
Left In: 442.714+/-0.095 χ^2/NDF:183524.3/12

+ sign 486.814+/-0.083 χ^2/NDF: 3350261.4/30

All: 481.868+/-0.059 χ^2/NDF: 7051086.6/62

- sign 476.814+/-0.084 χ^2/NDF: 3693669.6/31

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -267.024+/-512.862 χ^2/NDF:12.4/14

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

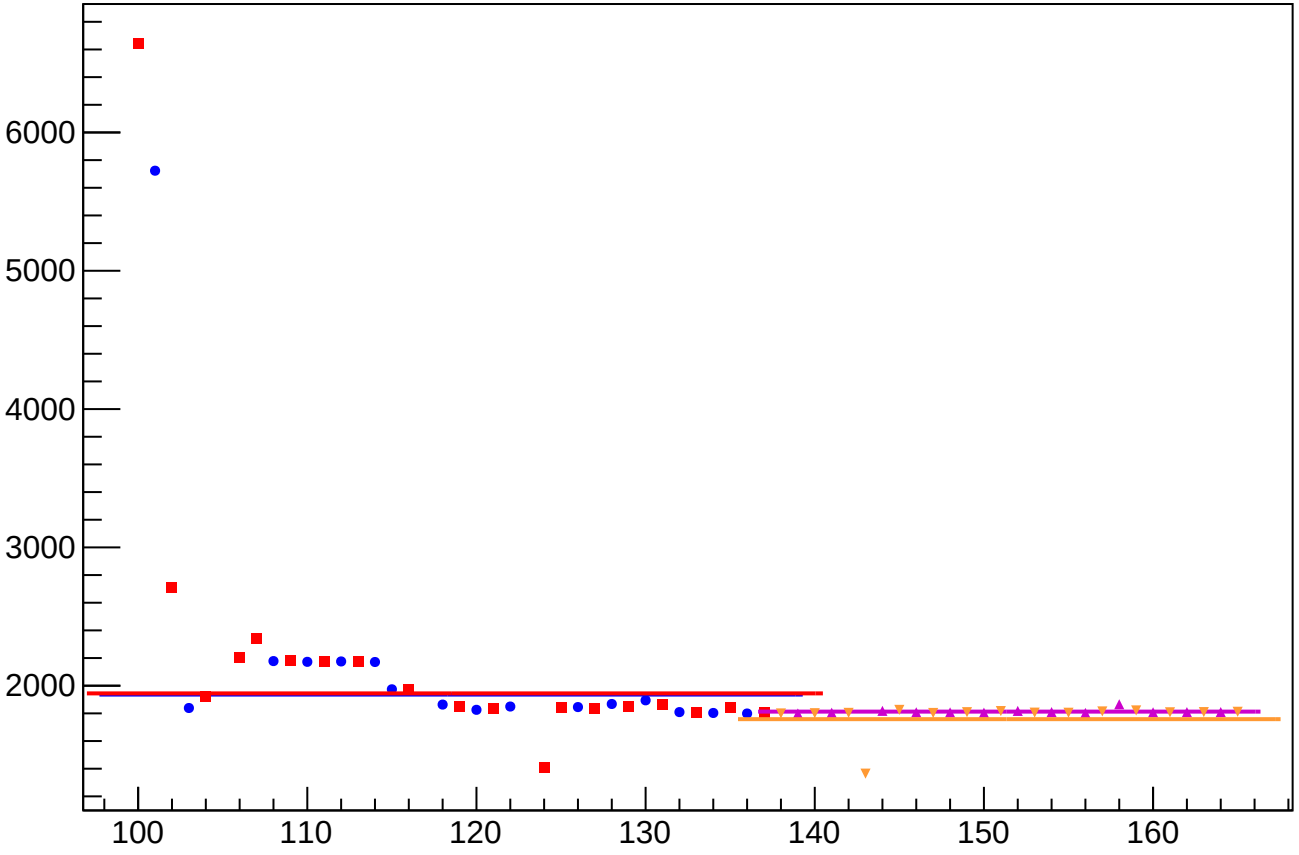
Left In: 366.496+/-547.288 χ^2/NDF:18.2/12

+ sign -251.779+/-420.759 χ^2/NDF: 29.6/30

All: 72.663+/-303.034 χ^2/NDF: 64.7/62

- sign 422.315+/-436.800 χ^2/NDF: 33.9/31

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1758.145+/-0.363 χ^2/NDF:154236.8/14

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

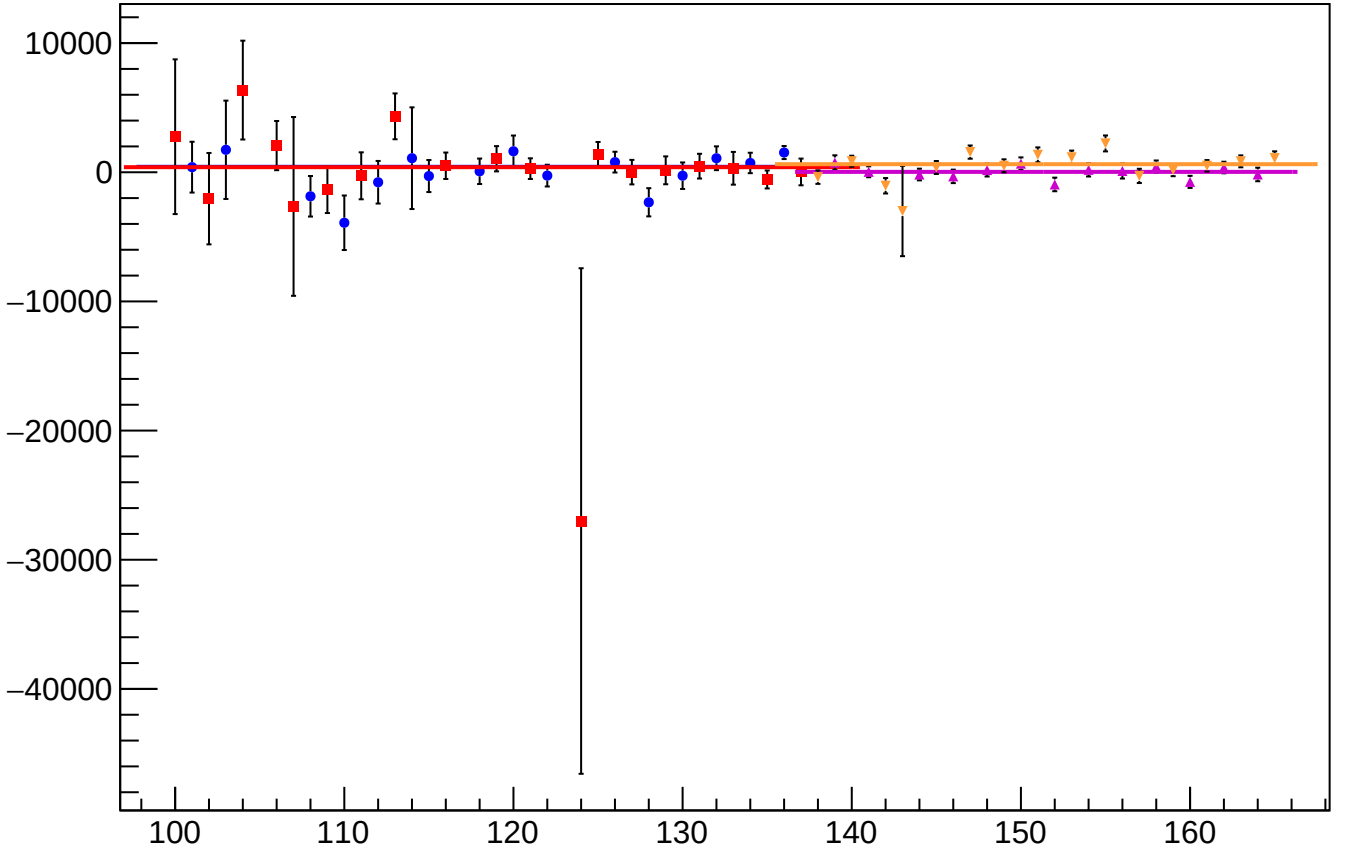
Left In: 1812.733+/-0.387 χ^2/NDF:1725.2/12

+ sign 1816.281+/-0.298 χ^2/NDF: 872655.2/30

All: 1837.594+/-0.214 χ^2/NDF: 1203348.0/62

- sign 1860.563+/-0.309 χ^2/NDF: 320030.7/31

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 624.813+/-135.969 χ^2/NDF:30.6/14

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

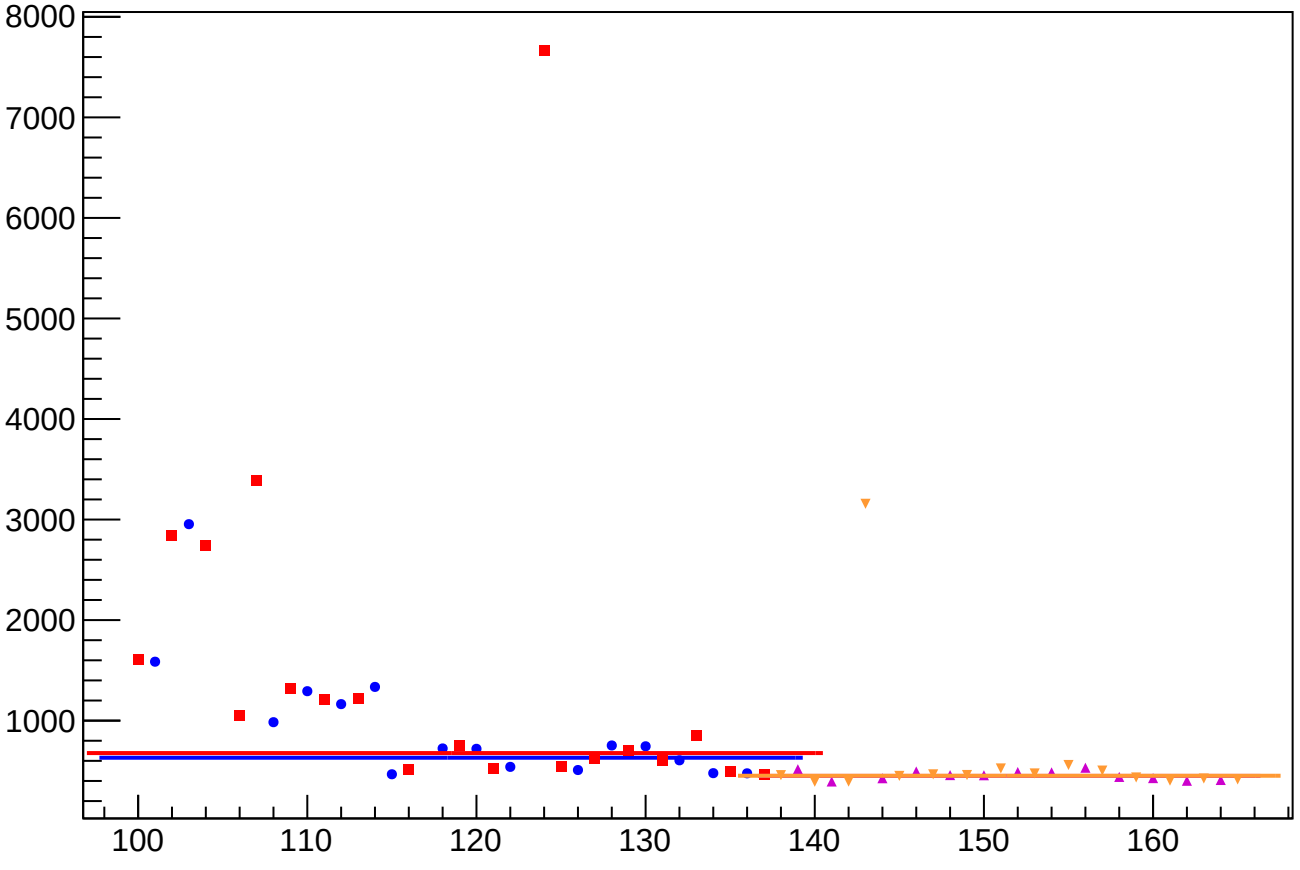
Left In: 29.083+/-136.757 χ^2/NDF:11.9/12

+ sign 580.205+/-120.159 χ^2/NDF: 52.6/30

All: 345.151+/-85.900 χ^2/NDF: 89.5/62

- sign 99.467+/-122.846 χ^2/NDF: 29.1/31

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 451.842+/-0.096 χ^2/NDF:1415544.8/14

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

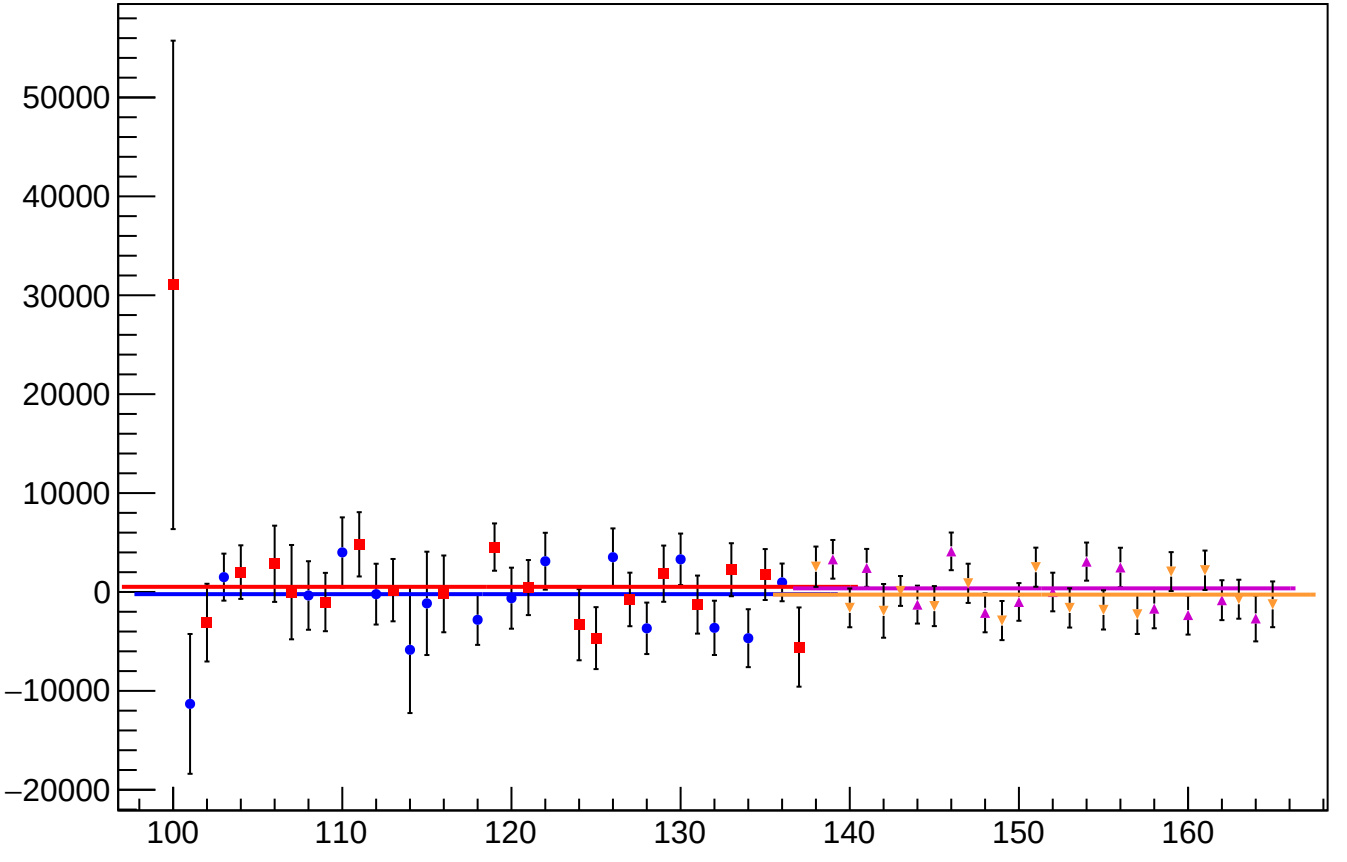
Left In: 450.045+/-0.097 χ^2/NDF:181475.0/12

+ sign 491.113+/-0.085 χ^2/NDF: 4411744.8/30

All: 492.502+/-0.061 χ^2/NDF: 8743036.2/62

- sign 493.953+/-0.087 χ^2/NDF: 4330745.4/31

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -267.025+/-512.862 χ^2/NDF:12.4/14

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

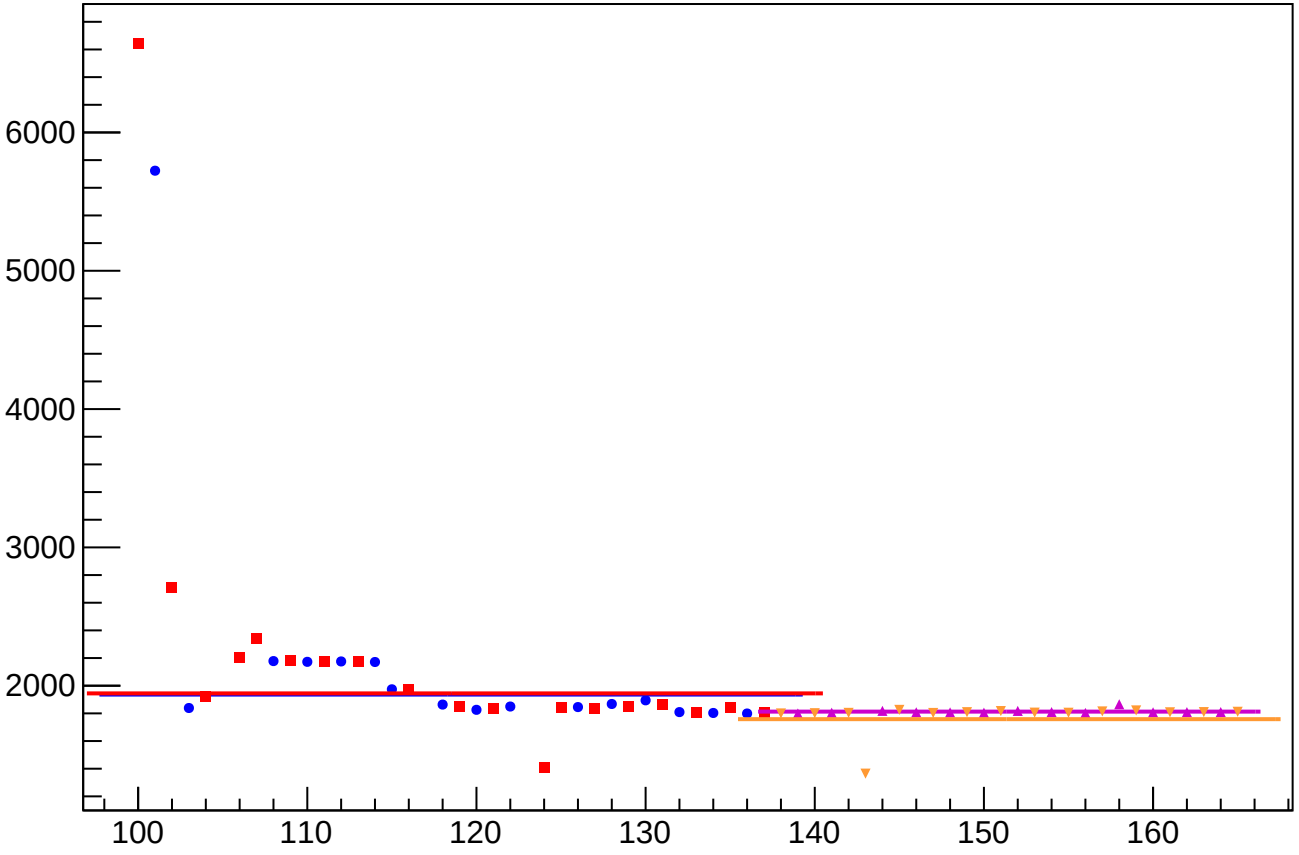
Left In: 366.496+/-547.288 χ^2/NDF:18.2/12

+ sign -251.780+/-420.759 χ^2/NDF: 29.6/30

All: 72.662+/-303.034 χ^2/NDF: 64.7/62

- sign 422.315+/-436.800 χ^2/NDF: 33.9/31

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1758.145+/-0.363 χ^2/NDF:154236.8/14

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

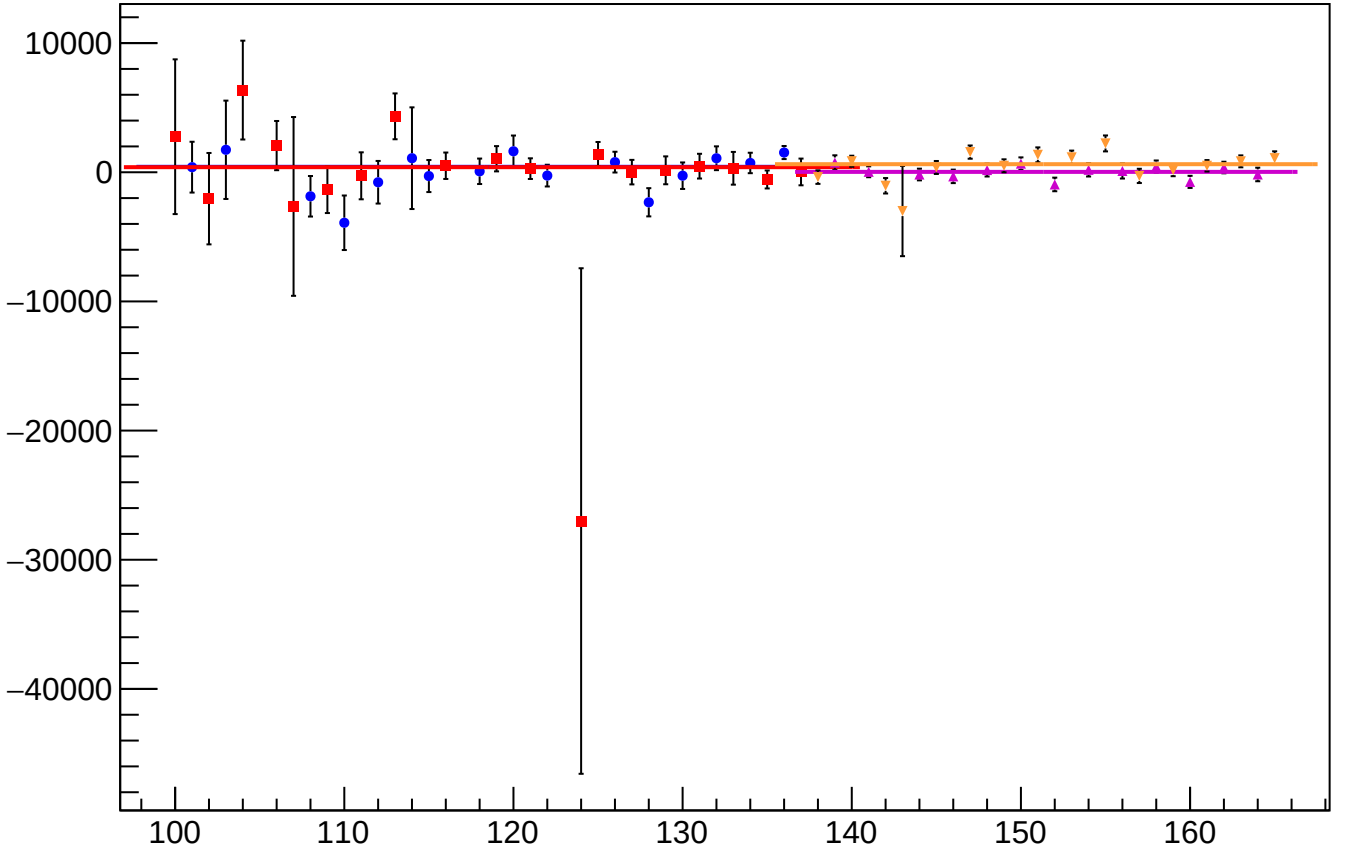
Left In: 1812.733+/-0.387 χ^2/NDF:1725.2/12

+ sign 1816.281+/-0.298 χ^2/NDF: 872655.2/30

All: 1837.594+/-0.214 χ^2/NDF: 1203347.7/62

- sign 1860.563+/-0.309 χ^2/NDF: 320030.5/31

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 624.812+/-135.969 χ^2/NDF:30.6/14

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

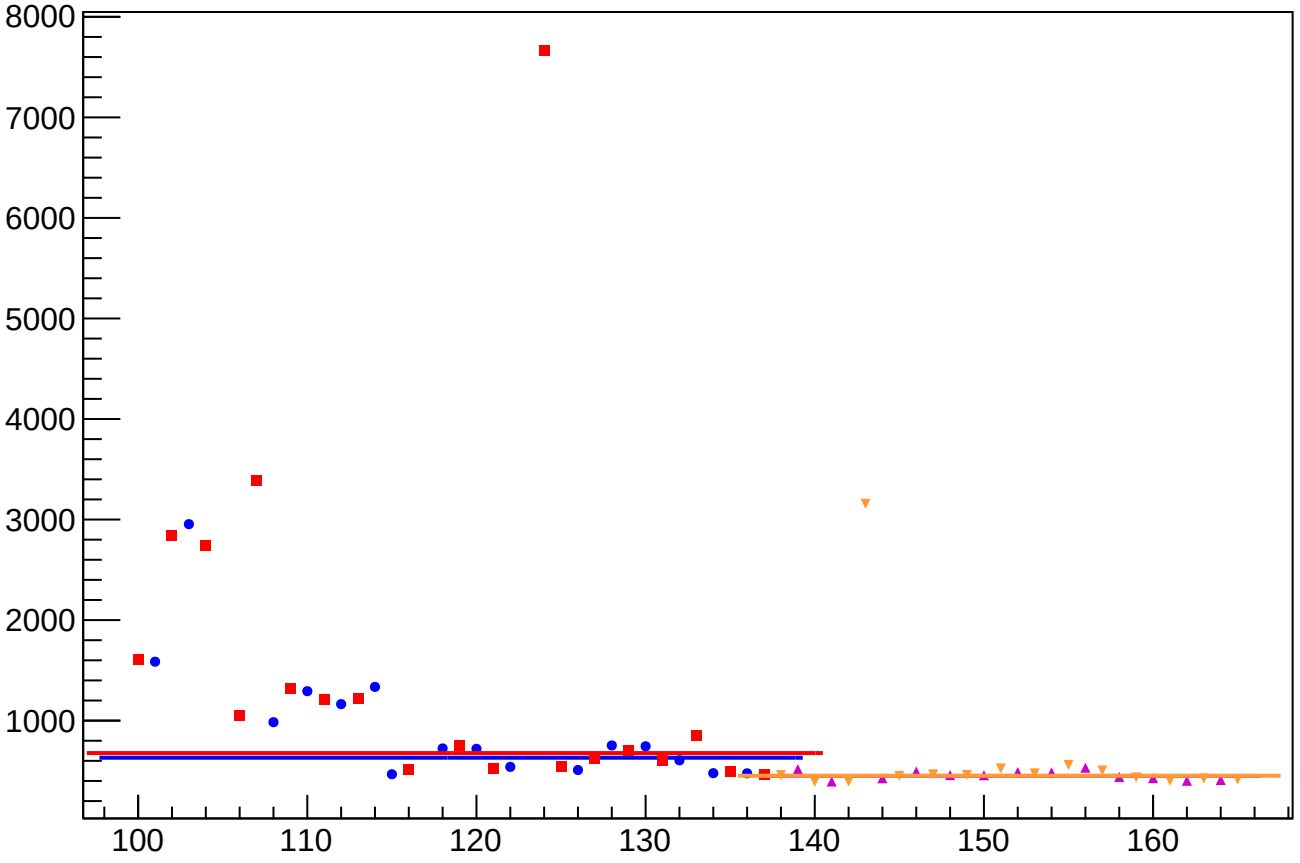
Left In: 29.082+/-136.757 χ^2/NDF:11.9/12

\+ sign 580.203+/-120.159 χ^2/NDF: 52.6/30

All: 345.149+/-85.900 χ^2/NDF: 89.5/62

\- sign 99.466+/-122.846 χ^2/NDF: 29.1/31

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 451.842+/-0.096 χ^2/NDF:1415547.0/14

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

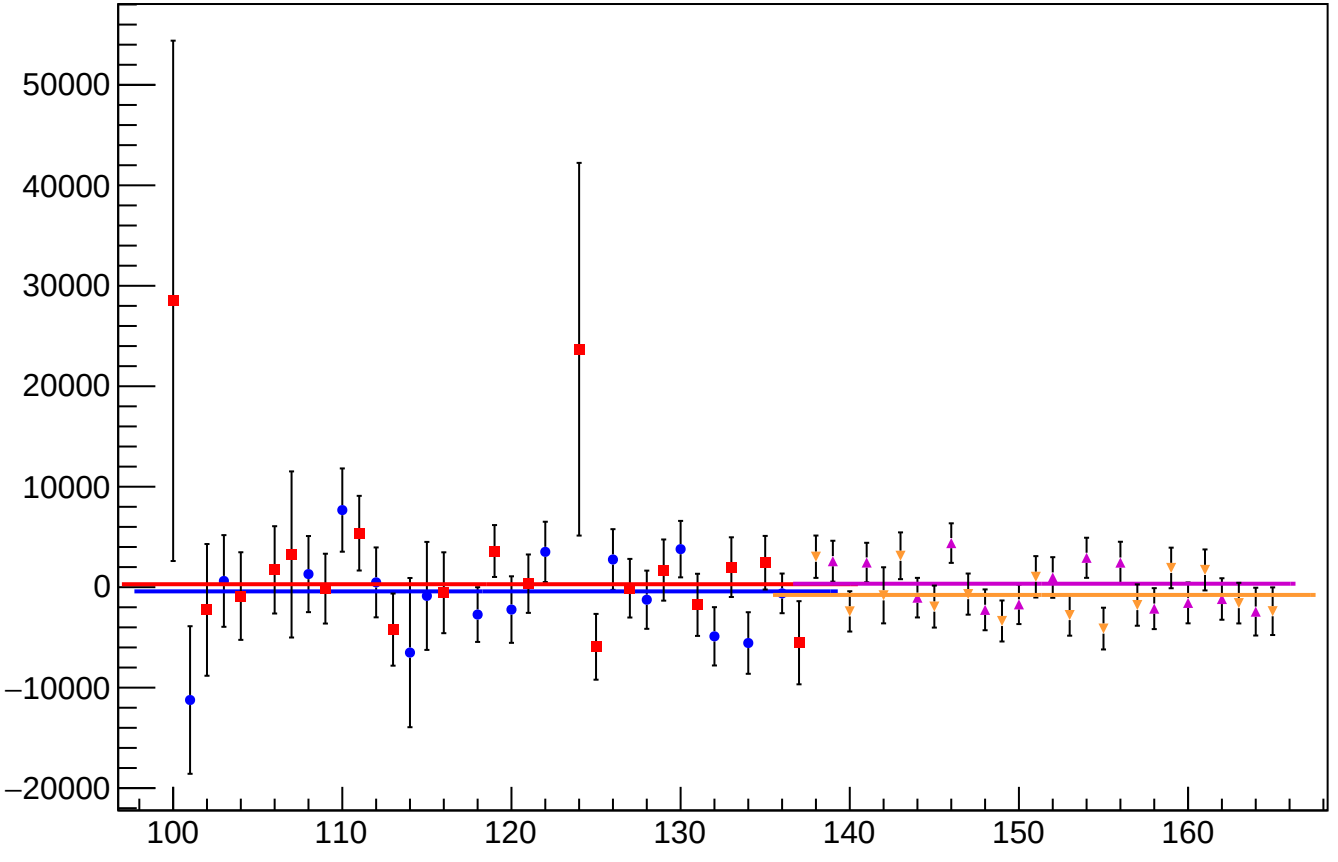
Left In: 450.045+/-0.097 χ^2/NDF:181477.7/12

+ sign 491.113+/-0.085 χ^2/NDF: 4411747.6/30

All: 492.501+/-0.061 χ^2/NDF: 8743042.8/62

- sign 493.953+/-0.087 χ^2/NDF: 4330749.0/31

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -771.549+/-547.019 χ^2/NDF:17.1/14

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

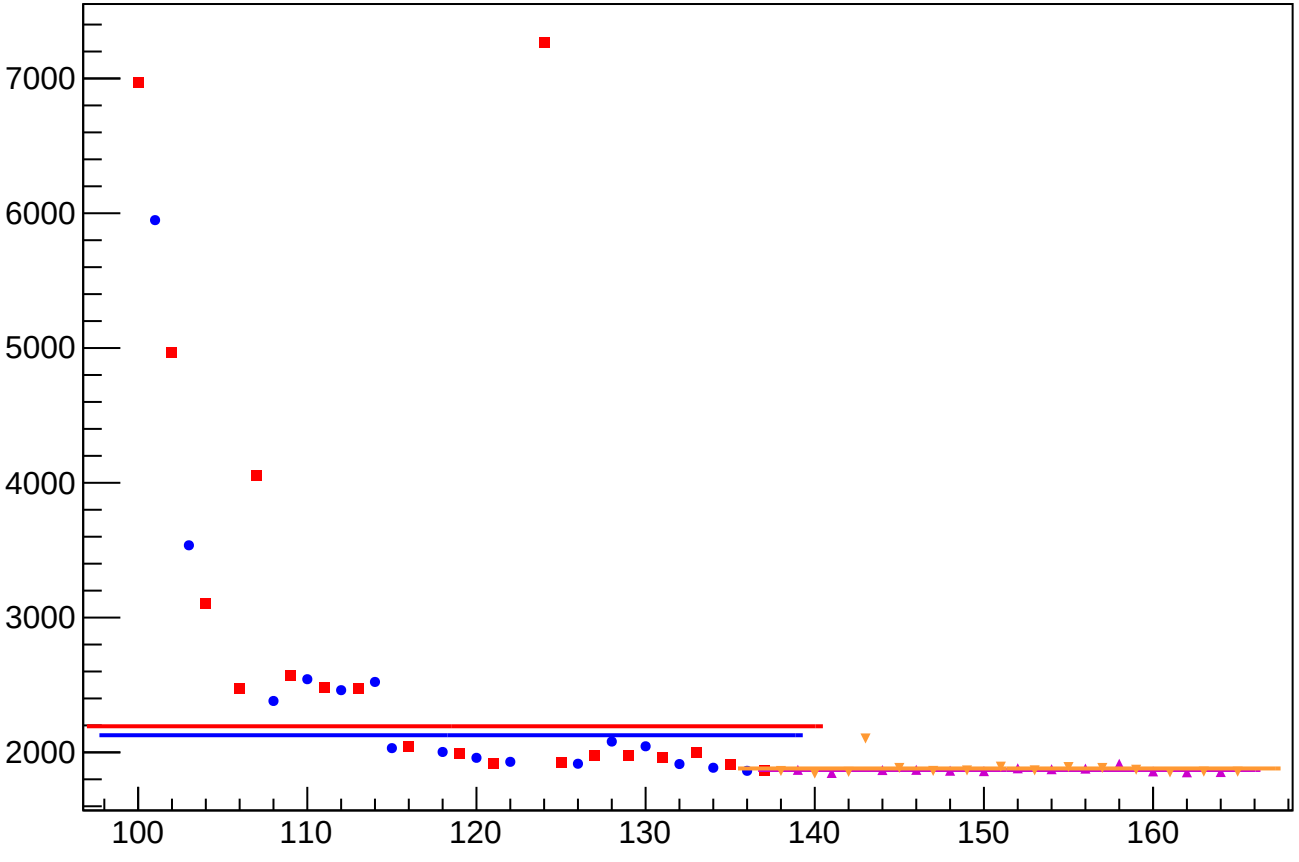
Left In: 343.465+/-564.392 χ^2/NDF:16.9/12

+ sign -661.707+/-454.261 χ^2/NDF: 35.6/30

All: -180.519+/-325.621 χ^2/NDF: 70.4/62

- sign 328.033+/-466.999 χ^2/NDF: 32.5/31

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1880.577+/-0.387 χ^2/NDF:20751.2/14

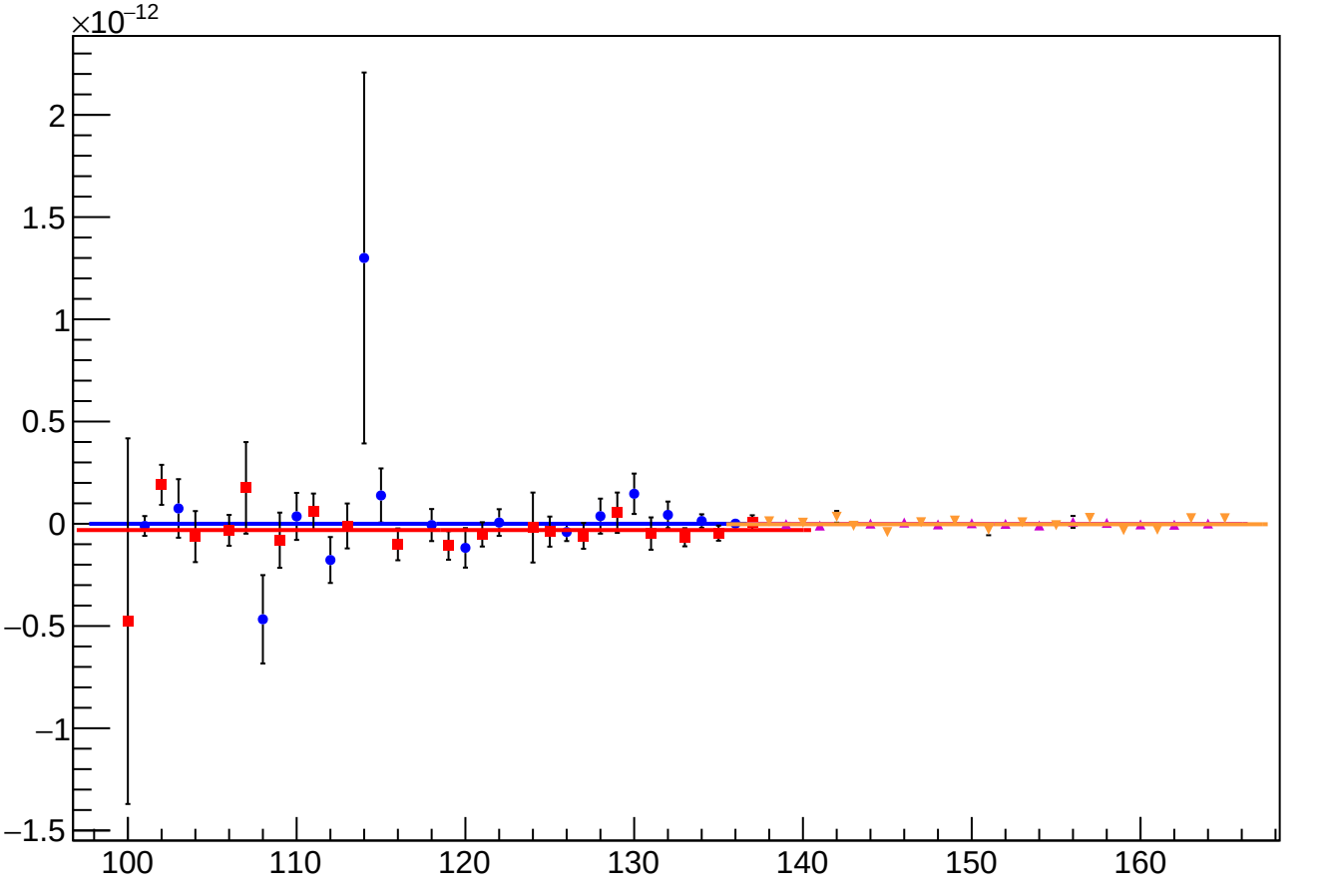
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1869.369+/-0.399 χ^2/NDF:1728.2/12

+ sign 1957.076+/-0.321 χ^2/NDF: 1021847.7/30

All: 1964.139+/-0.230 χ^2/NDF: 2175247.1/62

- sign 1971.603+/-0.330 χ^2/NDF: 1152405.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

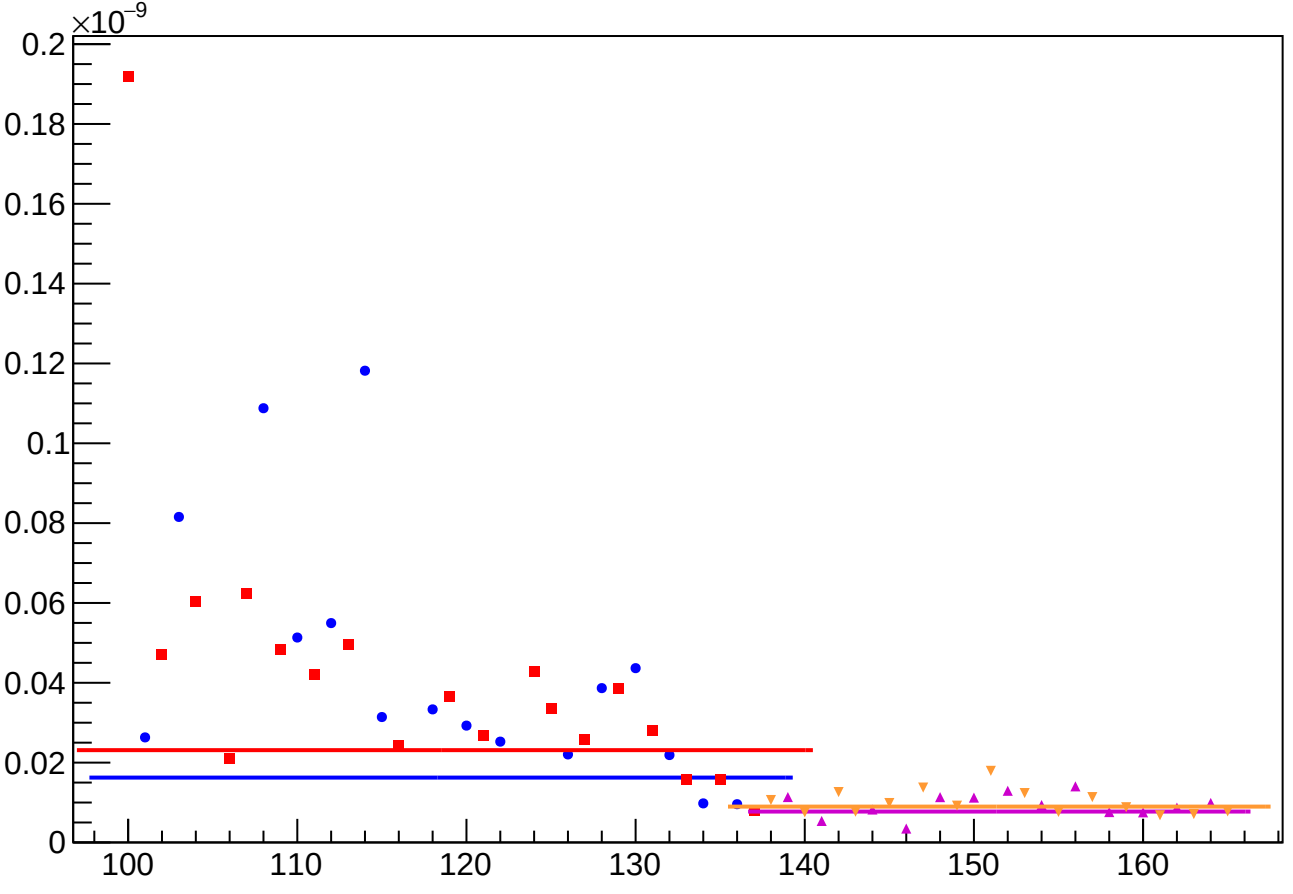
Left In: -0.000+/-0.000 χ^2/NDF:1.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 43.7/30

All: -0.000+/-0.000 χ^2/NDF: 61.1/62

- sign -0.000+/-0.000 χ^2/NDF: 17.4/31

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:579177.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

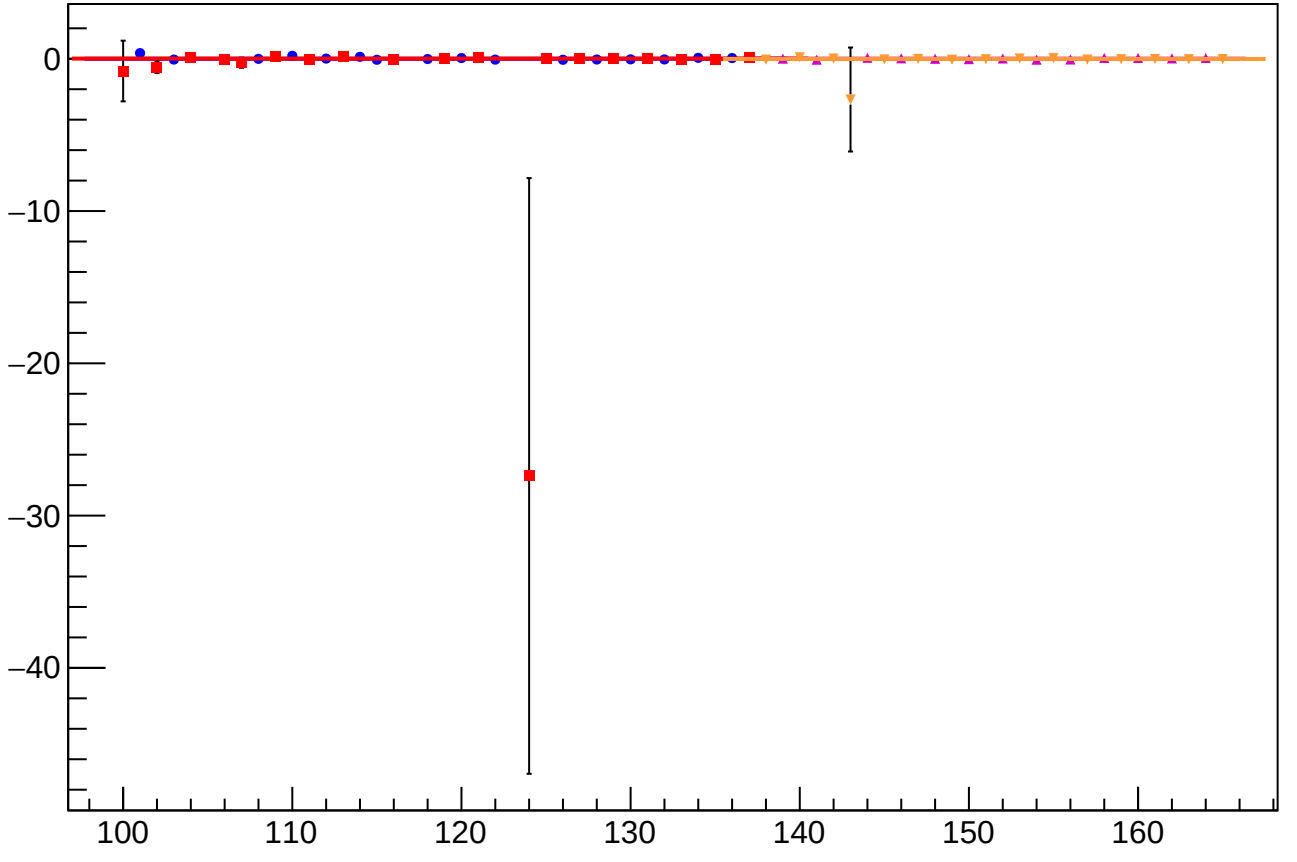
Left In: 0.000+/-0.000 χ^2/NDF:902346.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3523587.4/30

All: 0.000+/-0.000 χ^2/NDF: 7686359.9/62

- sign 0.000+/-0.000 χ^2/NDF: 4096337.6/31

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

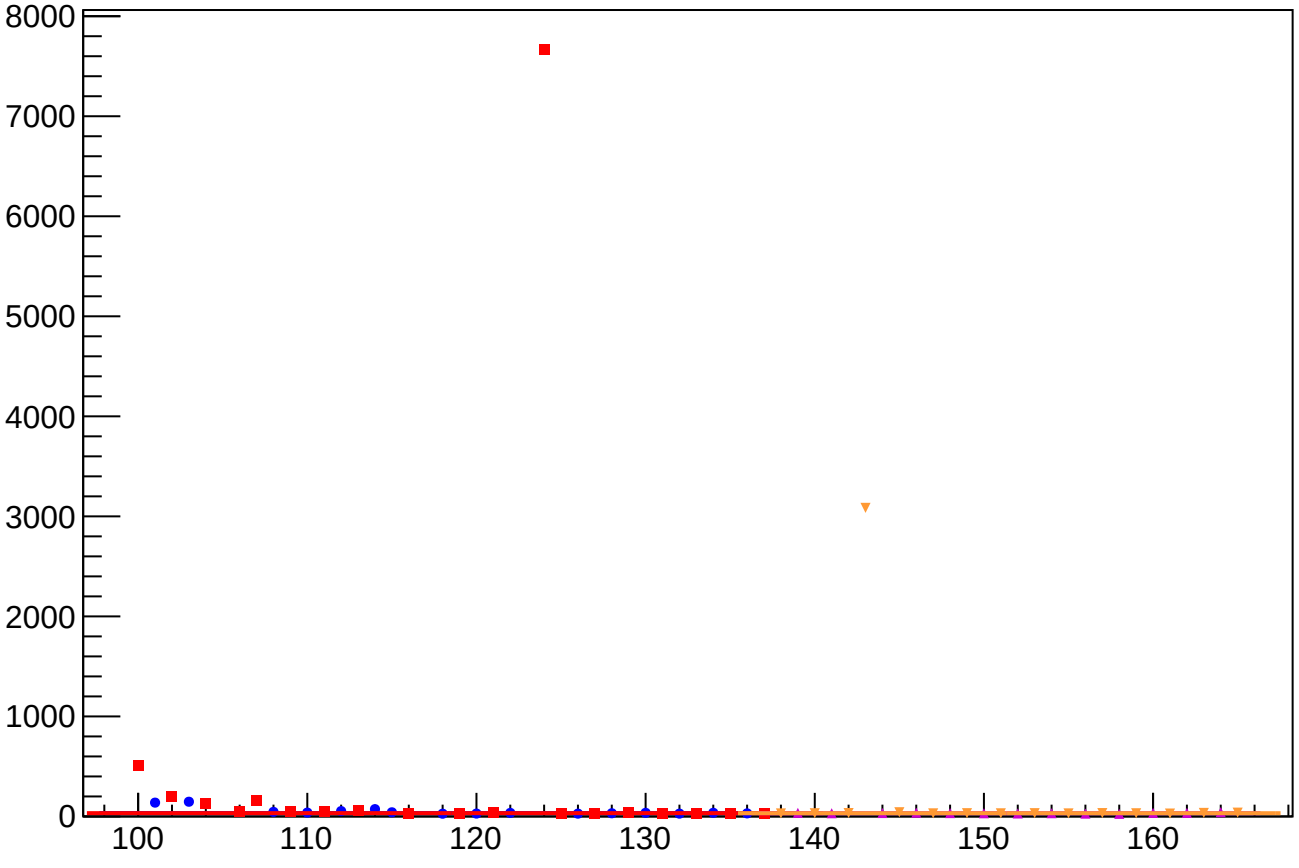
Left In: 0.006+/-0.011 χ^2/NDF:16.2/12

+ sign -0.008+/-0.009 χ^2/NDF: 38.0/30

All: 0.000+/-0.006 χ^2/NDF: 70.1/62

- sign 0.008+/-0.009 χ^2/NDF: 30.5/31

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.555+/-0.008 χ^2/NDF:1750046.1/14

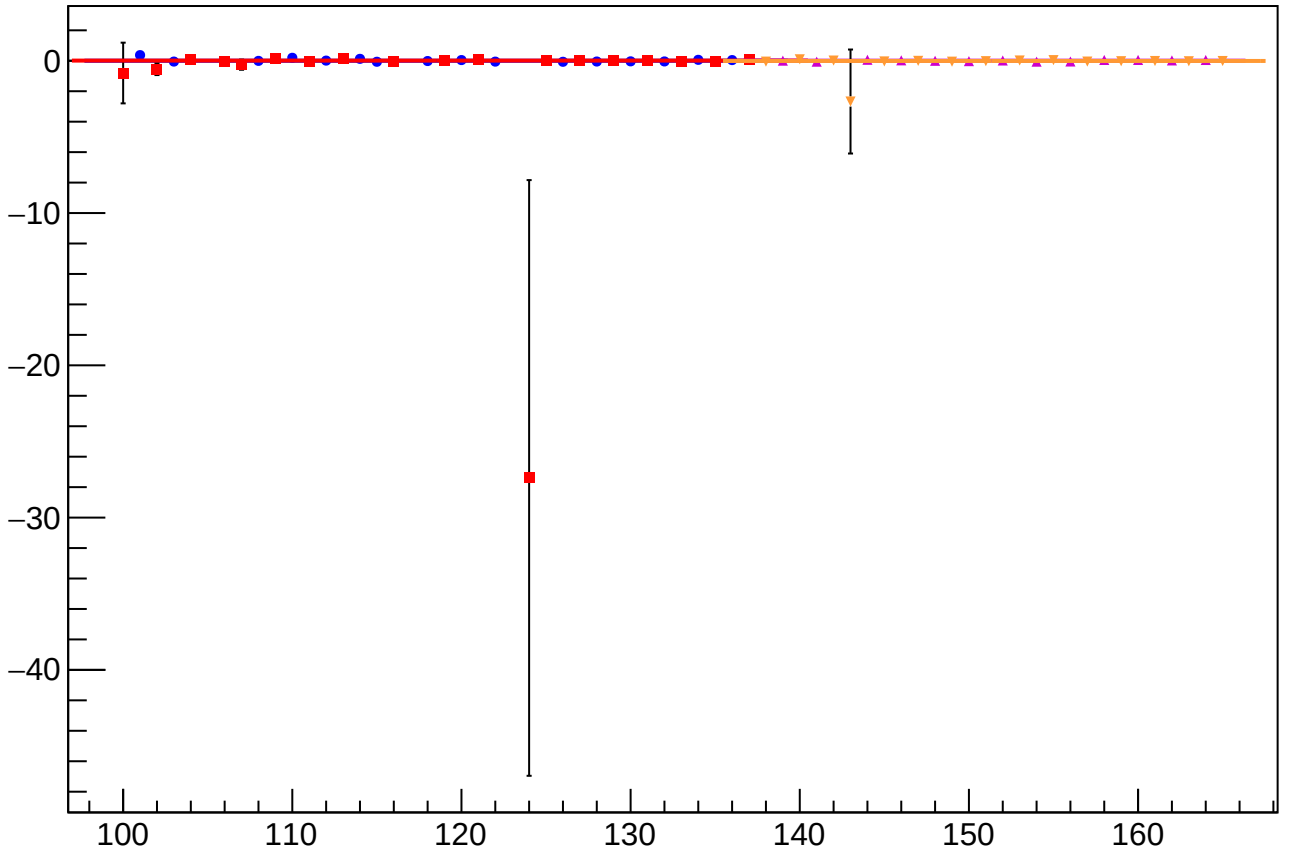
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.640+/-0.008 χ^2/NDF:250527.5/12

+ sign 33.068+/-0.006 χ^2/NDF: 3480922.2/30

All: 32.932+/-0.004 χ^2/NDF: 5808744.9/62

- sign 32.793+/-0.006 χ^2/NDF: 2326818.5/31



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

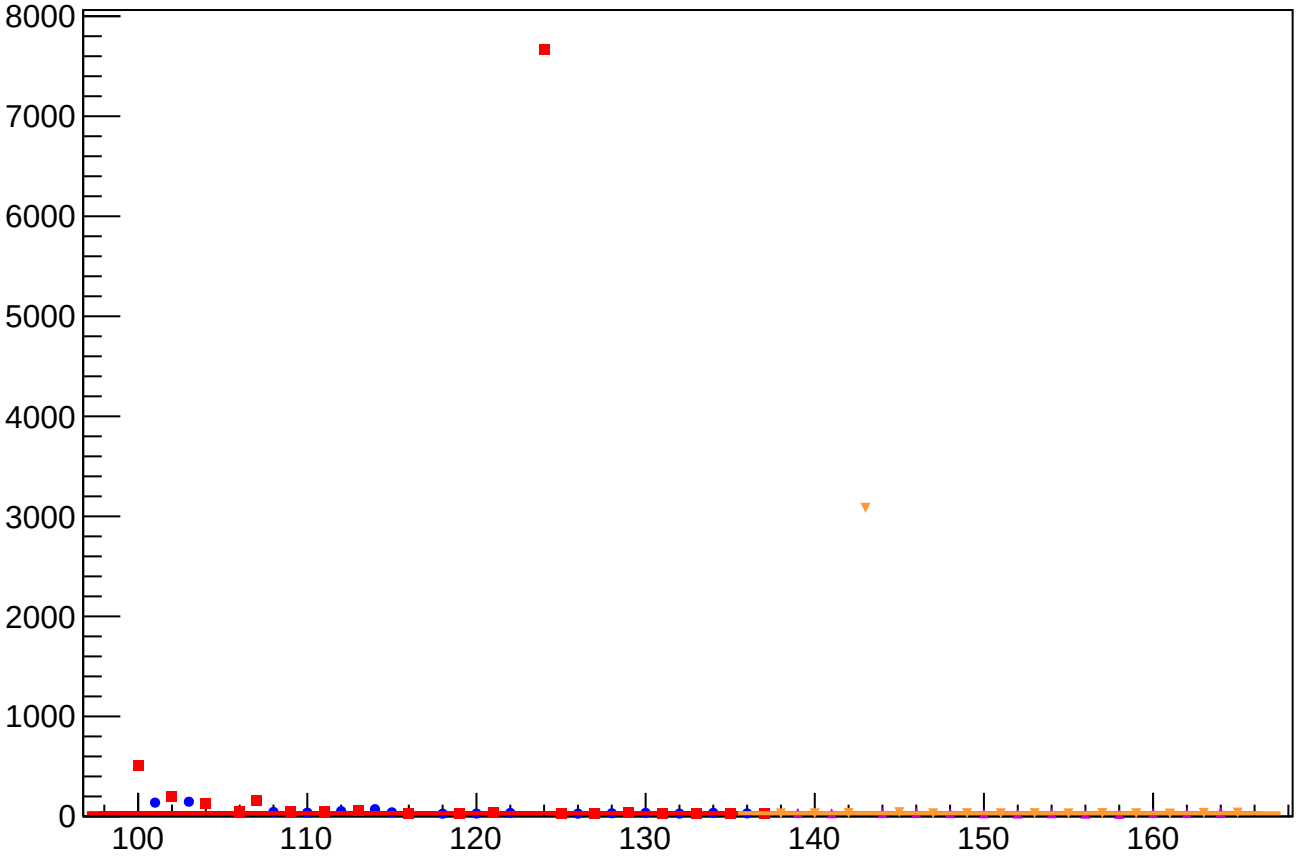
Left In: 0.006+/-0.011 χ^2/NDF:16.2/12

\+ sign -0.008+/-0.009 χ^2/NDF: 38.0/30

All: 0.000+/-0.006 χ^2/NDF: 70.1/62

\- sign 0.008+/-0.009 χ^2/NDF: 30.5/31

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: 32.555+/-0.008 χ^2/NDF:1750046.1/14

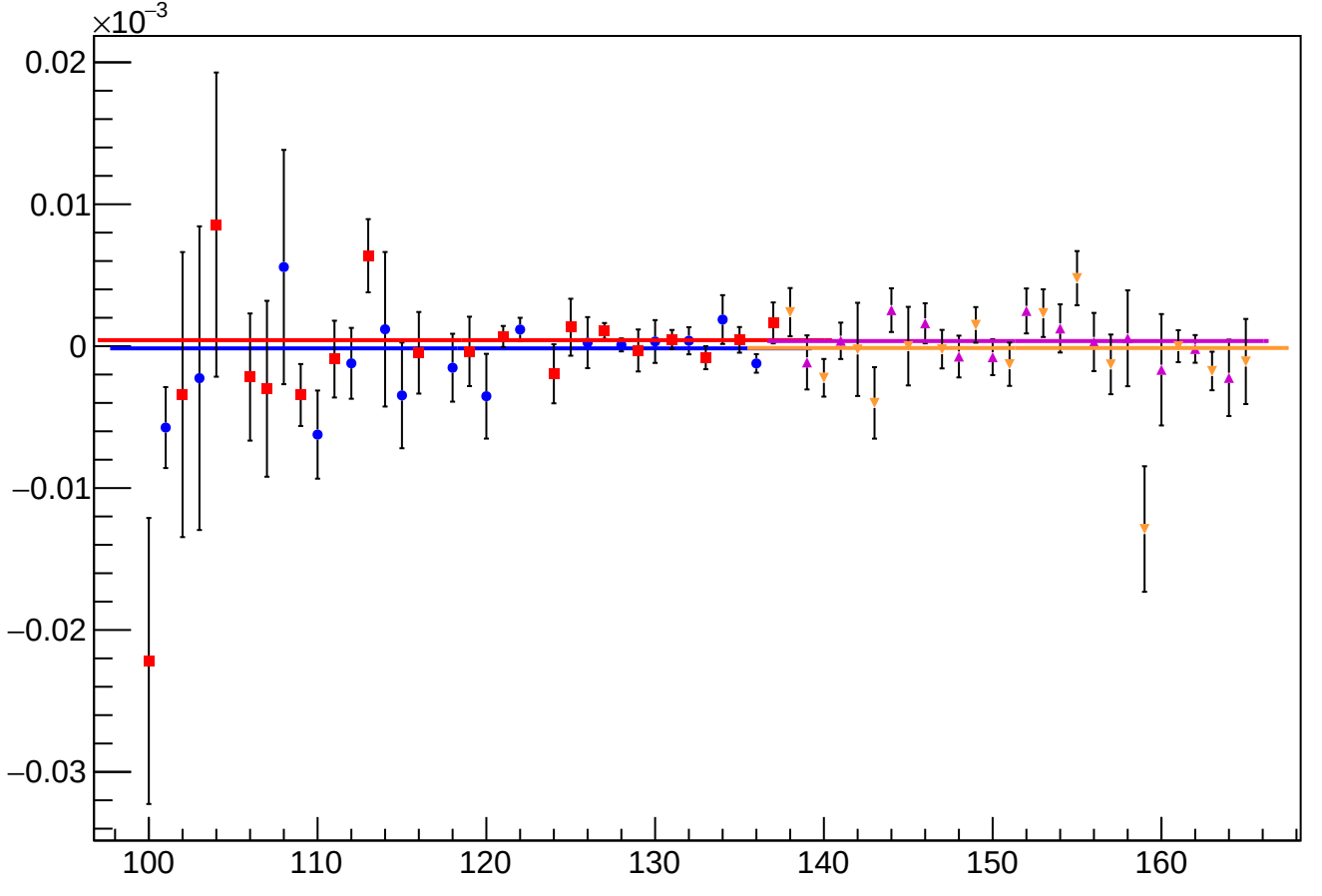
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.640+/-0.008 χ^2/NDF:250527.5/12

+ sign 33.068+/-0.006 χ^2/NDF: 3480922.2/30

All: 32.932+/-0.004 χ^2/NDF: 5808744.9/62

- sign 32.793+/-0.006 χ^2/NDF: 2326818.5/31



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

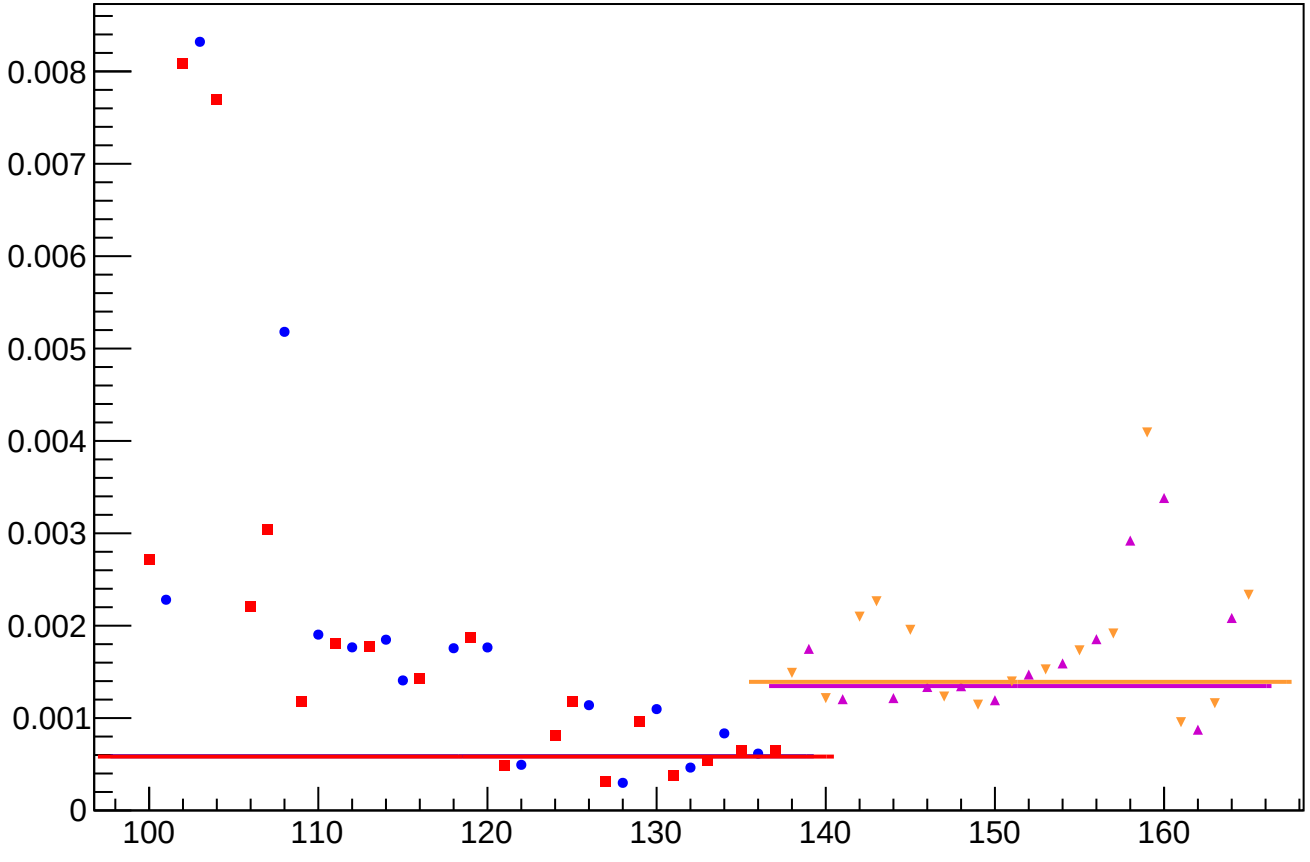
Left In: 0.000+/-0.000 χ^2/NDF:8.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/30

All: 0.000+/-0.000 χ^2/NDF: 79.0/62

- sign 0.000+/-0.000 χ^2/NDF: 29.9/31

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:2064223.3/14

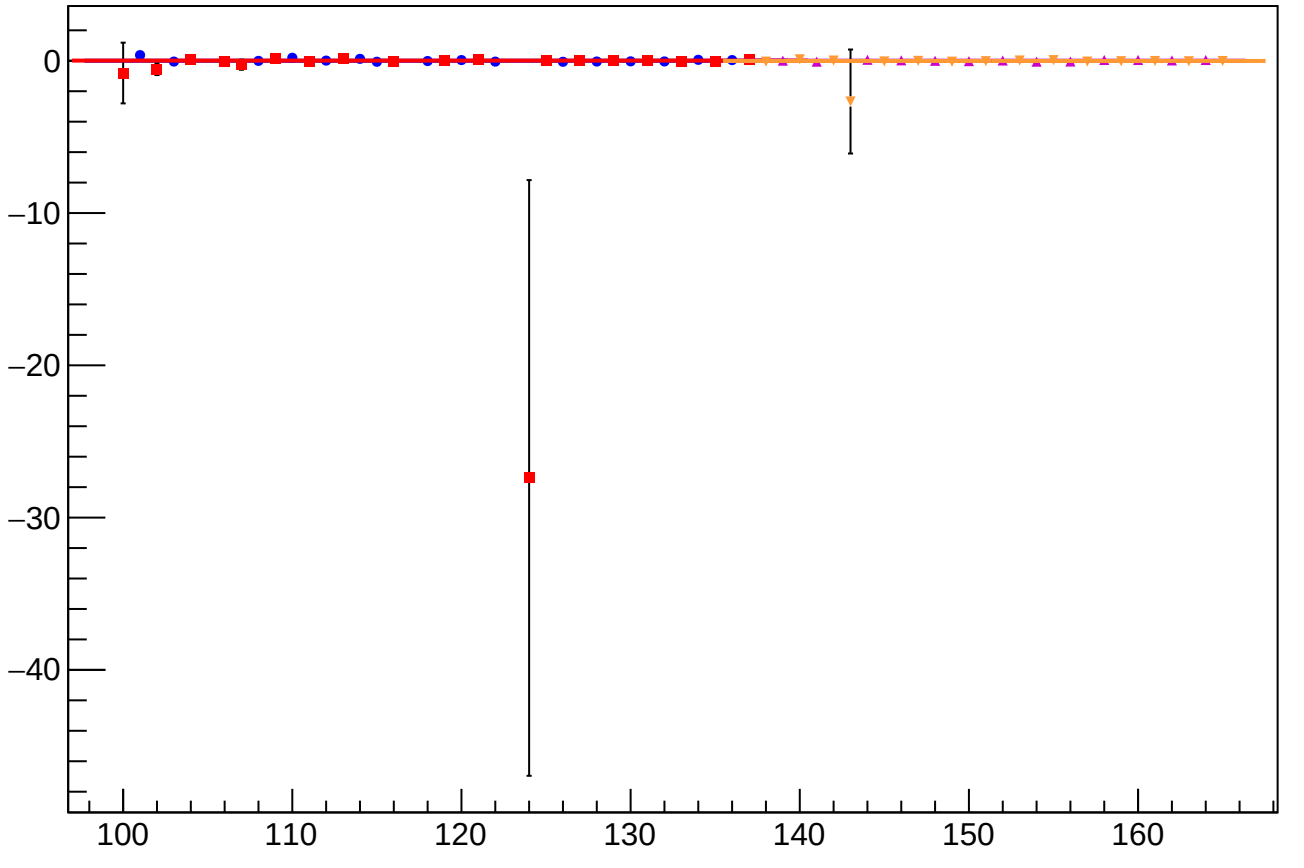
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:1924792.7/12

+ sign 0.001+/-0.000 χ^2/NDF: 12239982.2/30

All: 0.001+/-0.000 χ^2/NDF: 23880271.9/62

- sign 0.001+/-0.000 χ^2/NDF: 11627308.7/31



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

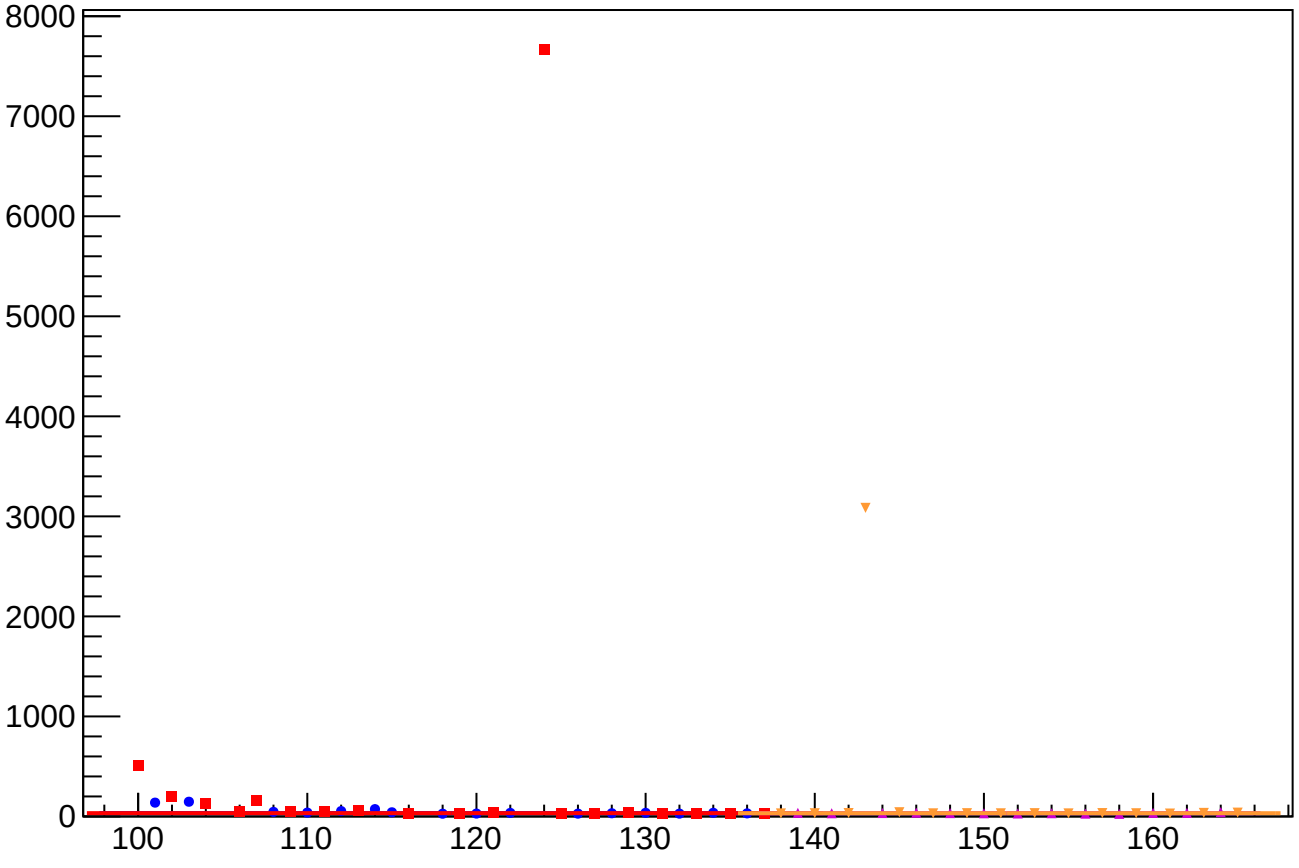
Left In: 0.006+/-0.011 χ^2/NDF:16.2/12

+ sign -0.008+/-0.009 χ^2/NDF: 38.0/30

All: 0.000+/-0.006 χ^2/NDF: 70.1/62

- sign 0.008+/-0.009 χ^2/NDF: 30.5/31

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: 32.555+/-0.008 χ^2/NDF:1750040.7/14

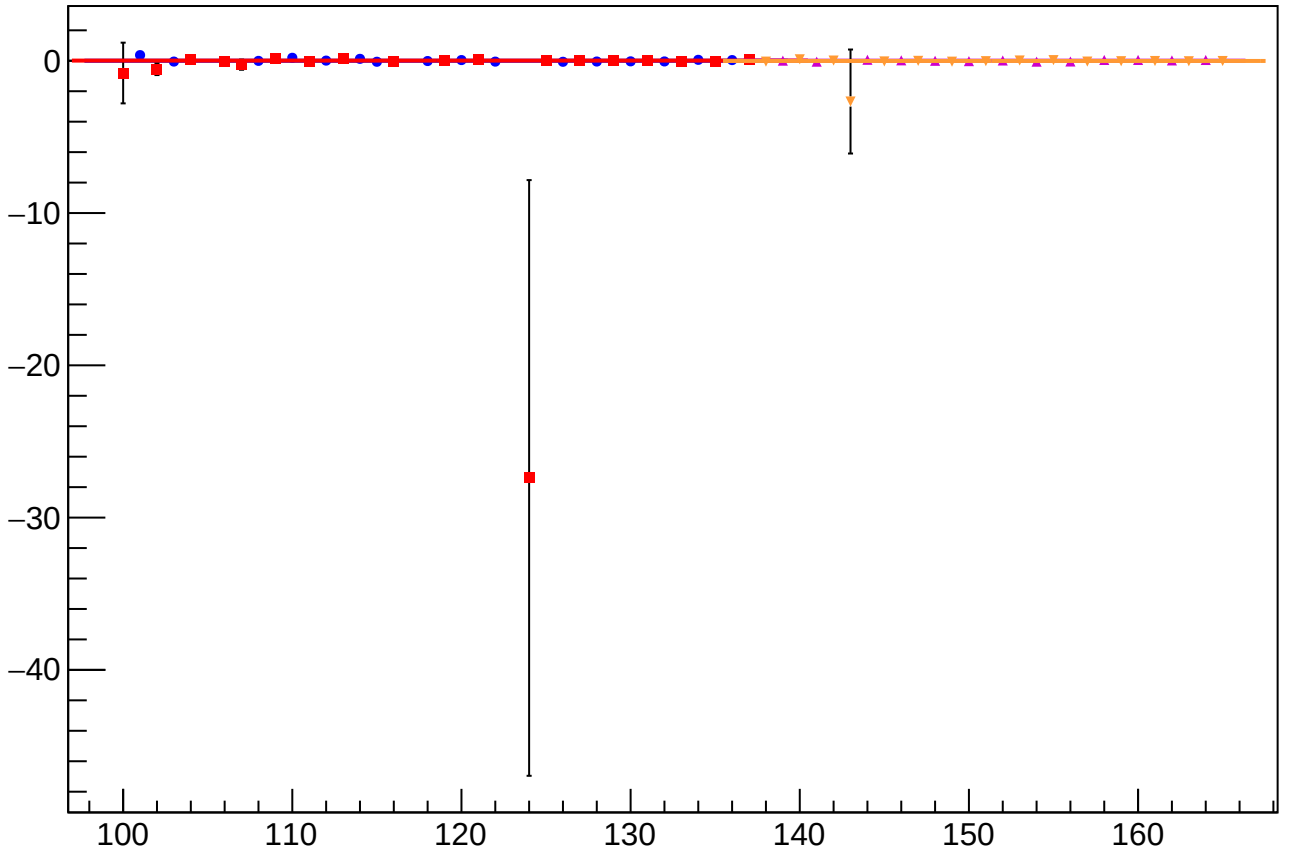
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.641+/-0.008 χ^2/NDF:250447.2/12

+ sign 33.068+/-0.006 χ^2/NDF: 3480904.8/30

All: 32.932+/-0.004 χ^2/NDF: 5808624.9/62

- sign 32.793+/-0.006 χ^2/NDF: 2326717.1/31



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/14

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

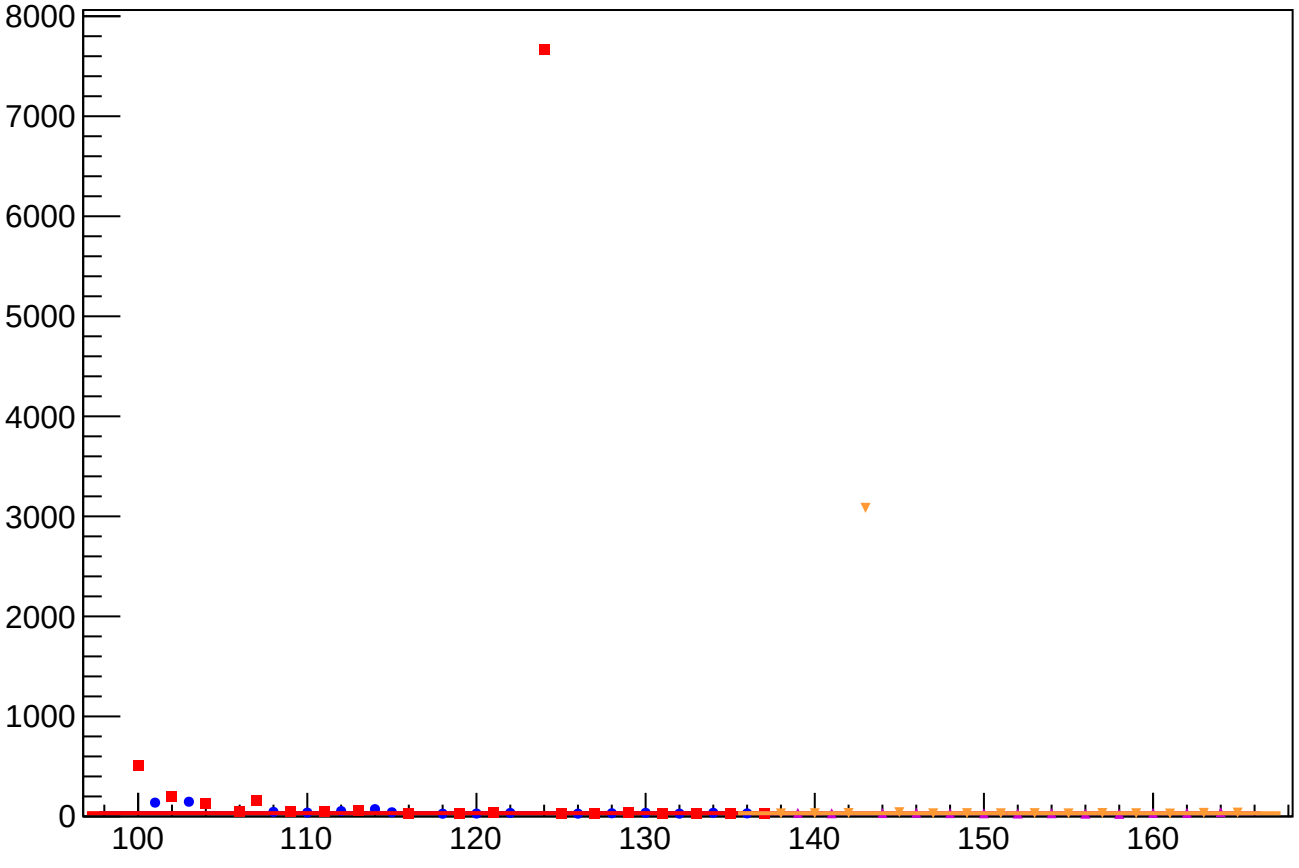
Left In: 0.006+/-0.011 χ^2/NDF:16.2/12

+ sign -0.008+/-0.009 χ^2/NDF: 38.0/30

All: 0.000+/-0.006 χ^2/NDF: 70.1/62

- sign 0.008+/-0.009 χ^2/NDF: 30.5/31

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: 32.555+/-0.008 χ^2/NDF:1750040.7/14

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

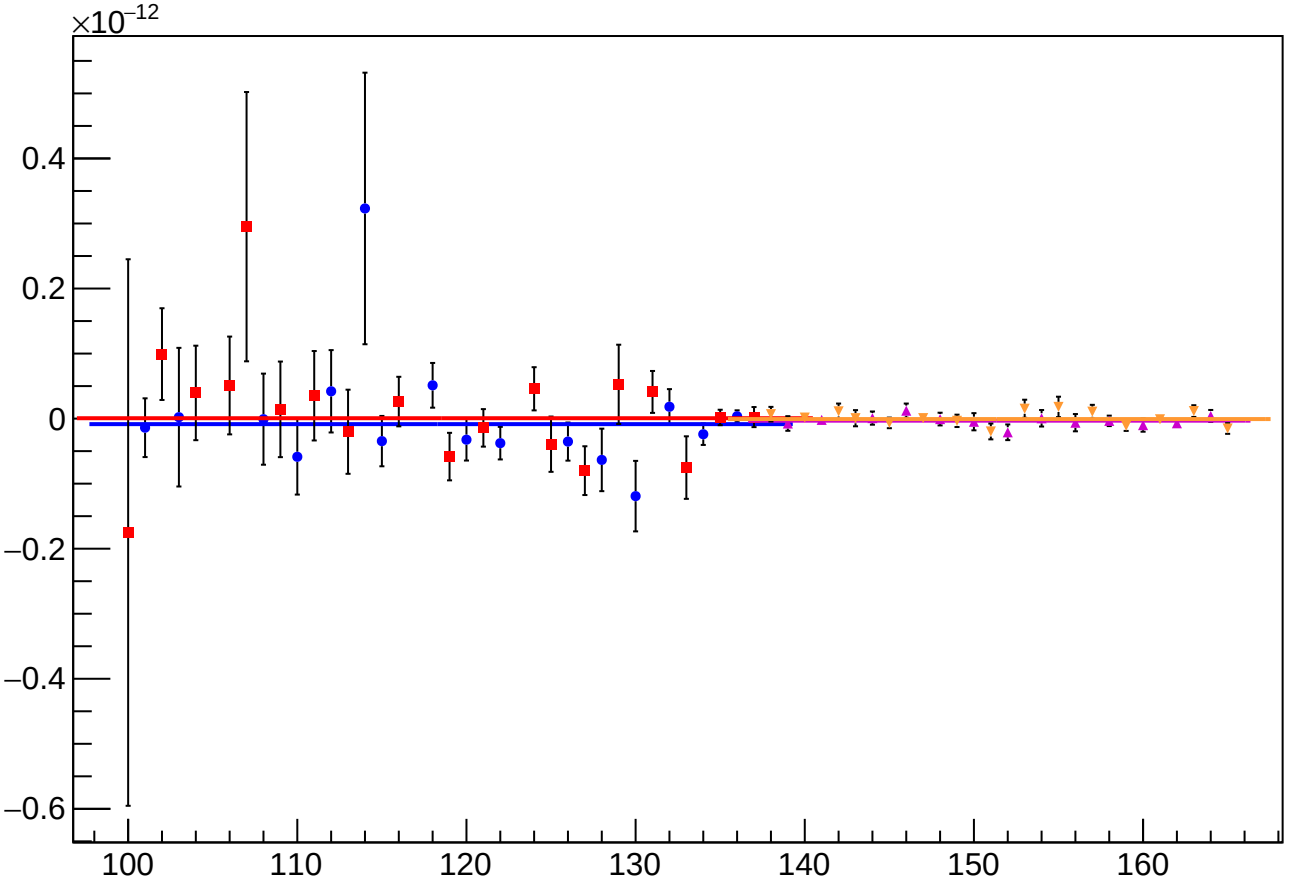
Left In: 32.641+/-0.008 χ^2/NDF:250447.2/12

+ sign 33.068+/-0.006 χ^2/NDF: 3480904.8/30

All: 32.932+/-0.004 χ^2/NDF: 5808624.9/62

- sign 32.793+/-0.006 χ^2/NDF: 2326717.1/31

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/14

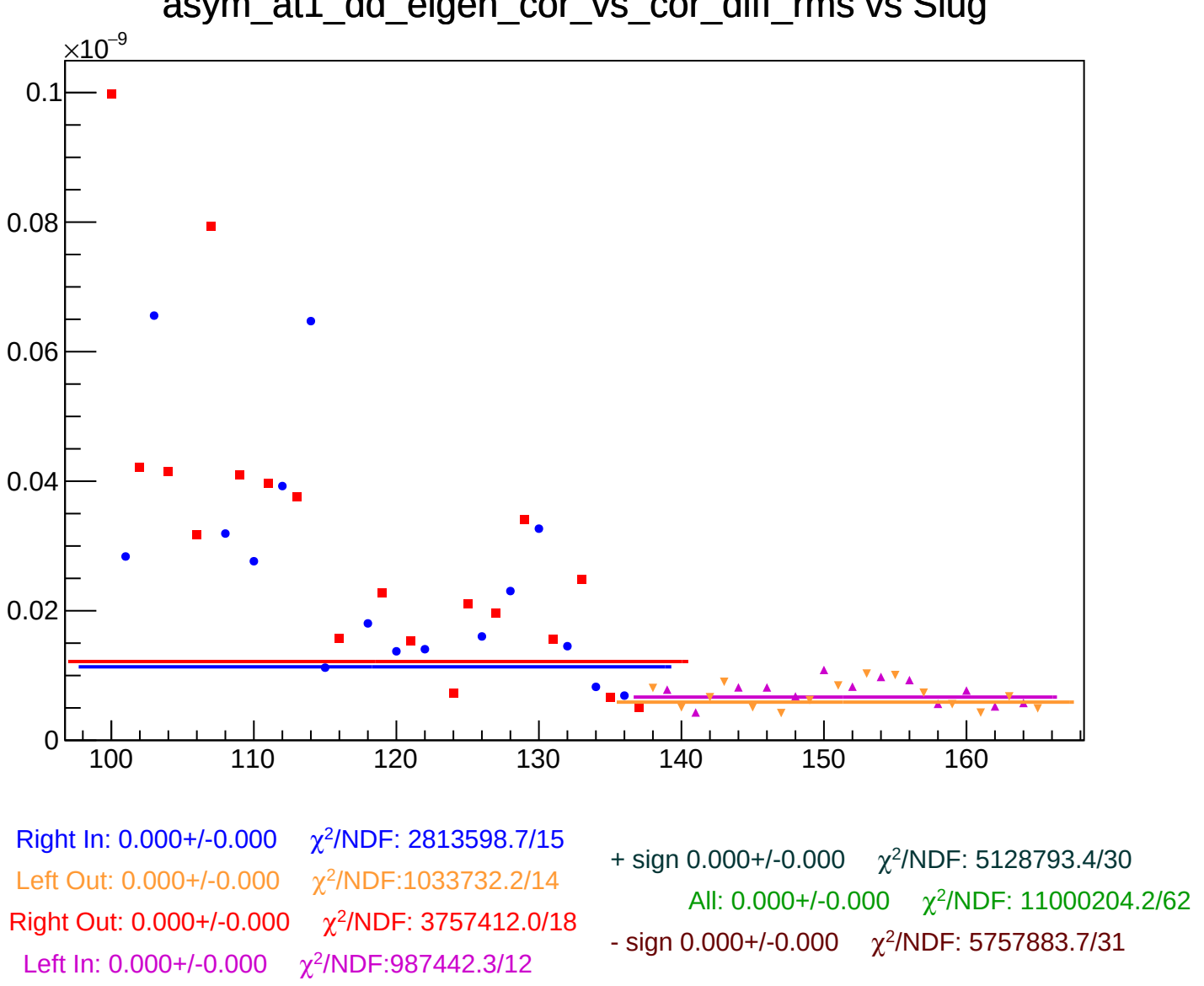
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

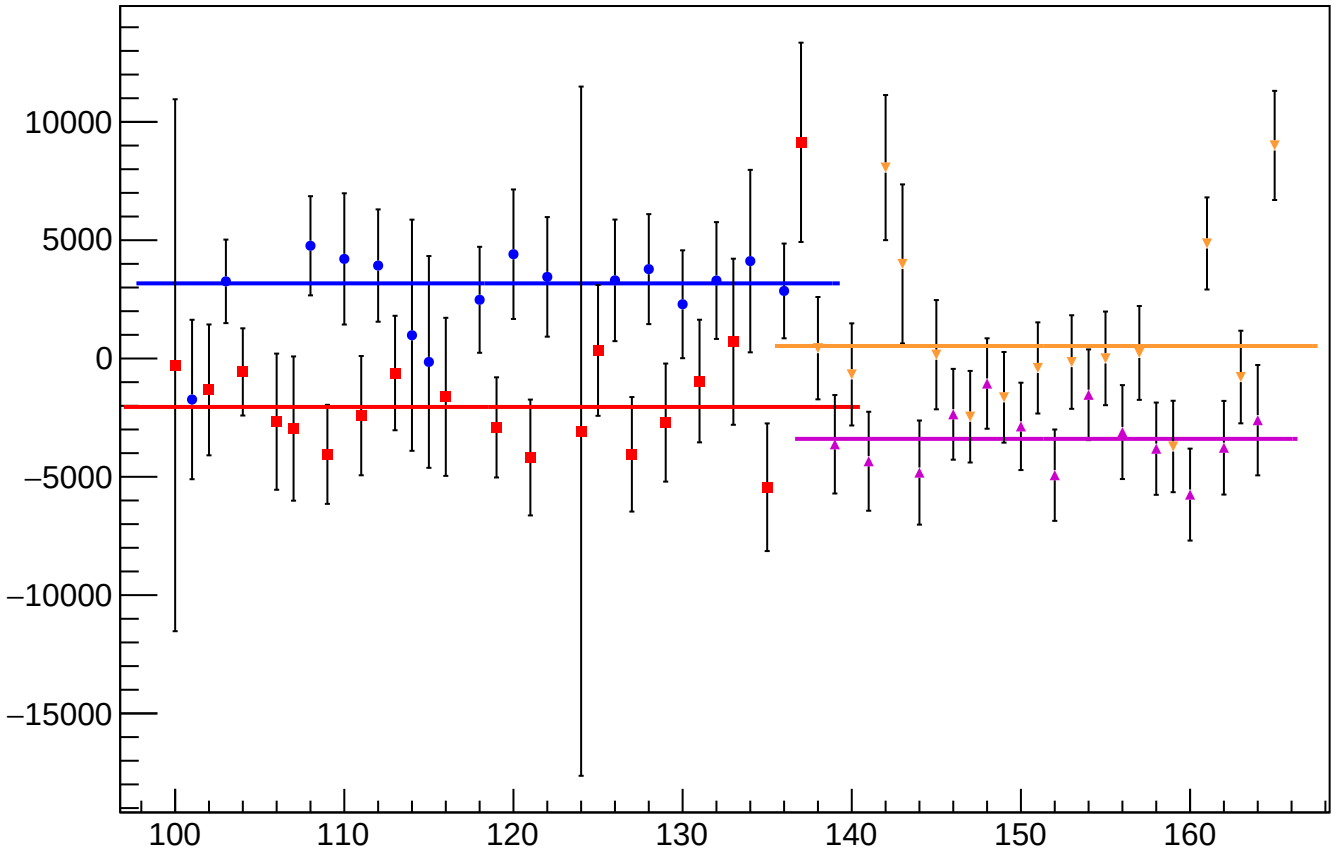
Left In: -0.000+/-0.000 χ^2/NDF:6.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/30

All: -0.000+/-0.000 χ^2/NDF: 63.0/62

- sign -0.000+/-0.000 χ^2/NDF: 27.1/31


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1033732.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:987442.3/12
+ sign 0.000+/-0.000 χ²/NDF: 5128793.4/30
All: 0.000+/-0.000 χ²/NDF: 11000204.2/62
- sign 0.000+/-0.000 χ²/NDF: 5757883.7/31



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 528.444+/-545.039 χ^2/NDF:35.3/14

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

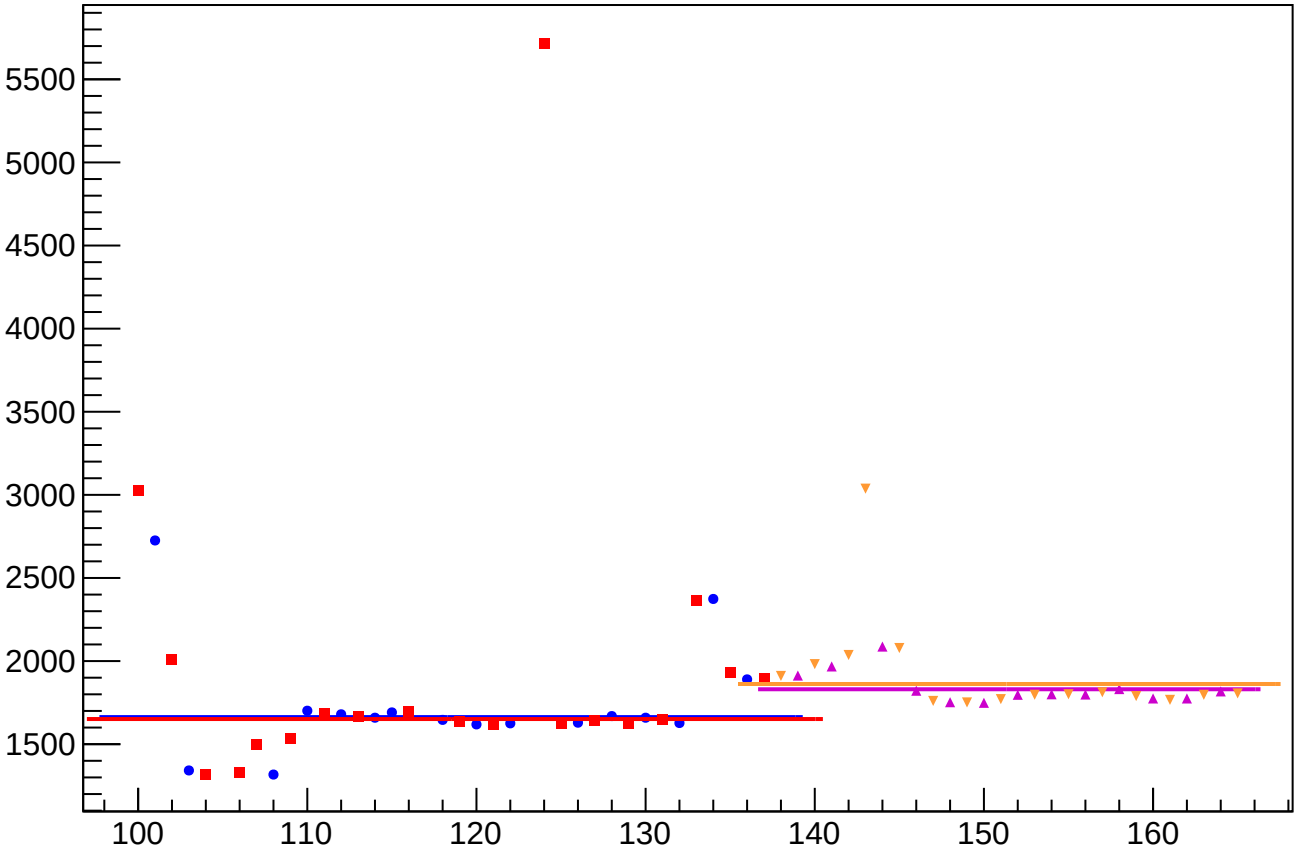
Left In: -3396.568+/-553.321 χ^2/NDF:5.8/12

+ sign 1665.754+/-411.627 χ^2/NDF: 49.7/30

All: -558.251+/-291.642 χ^2/NDF: 130.8/62

- sign -2800.017+/-413.267 χ^2/NDF: 22.4/31

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1862.094+/-0.385 χ^2/NDF:308706.7/14

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

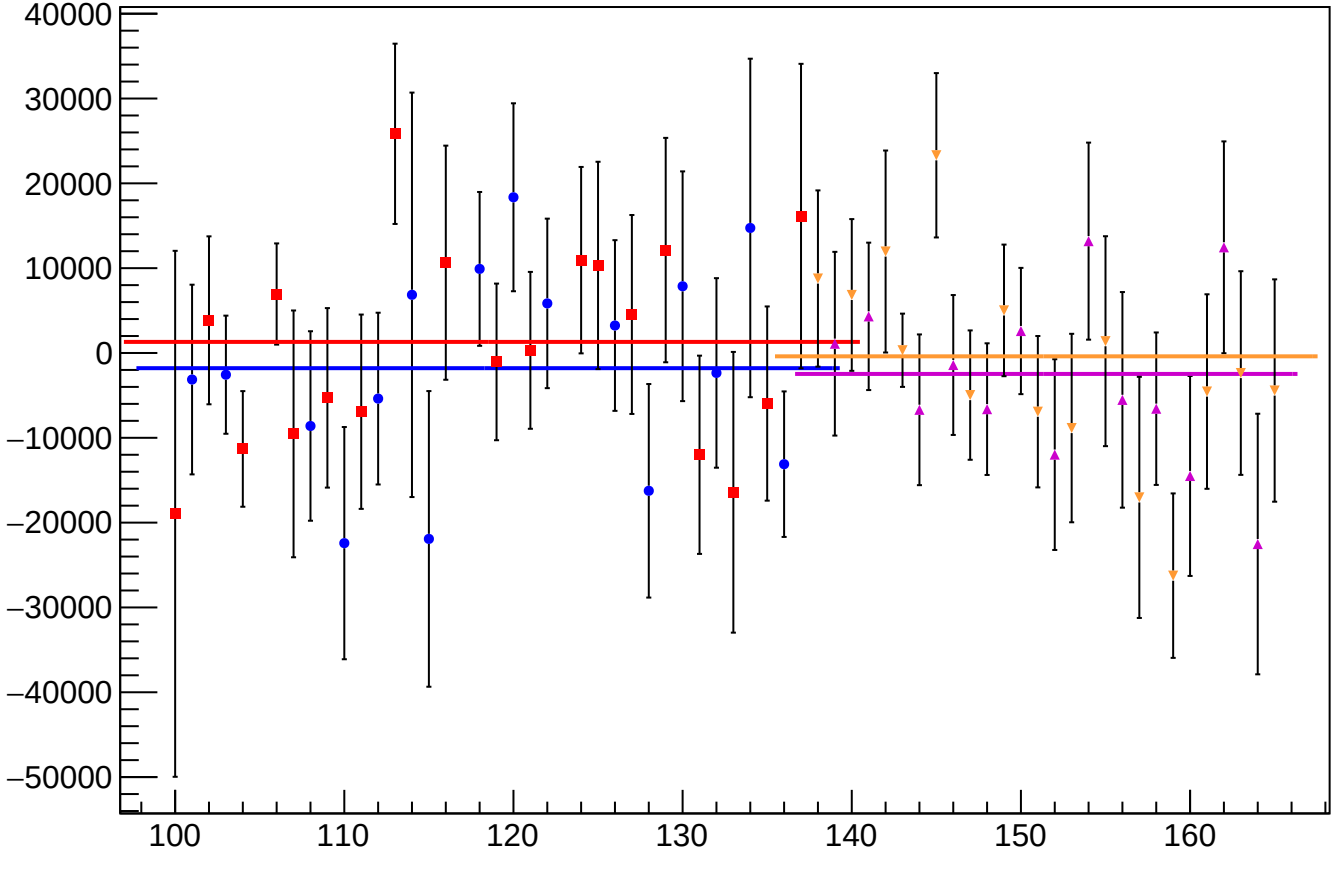
Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

+ sign 1776.514+/-0.291 χ^2/NDF: 839106.0/30

All: 1763.922+/-0.206 χ^2/NDF: 1418591.9/62

- sign 1751.230+/-0.292 χ^2/NDF: 575728.0/31

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -395.106+/-2293.909 χ^2/NDF:19.2/14

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

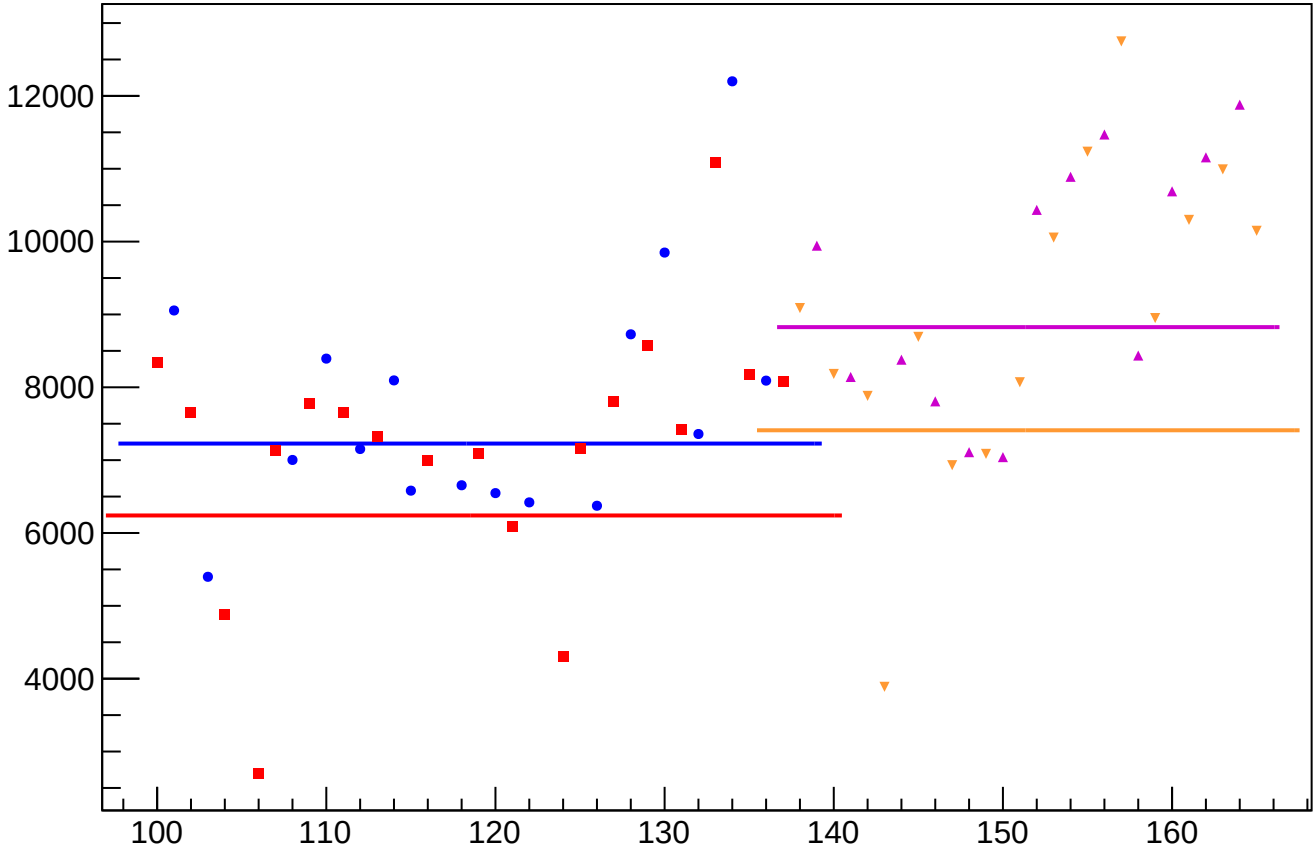
Left In: -2470.187+/-2716.279 χ^2/NDF:8.7/12

+ sign -969.437+/-1759.842 χ^2/NDF: 33.7/30

All: -679.559+/-1262.122 χ^2/NDF: 61.3/62

- sign -372.554+/-1811.080 χ^2/NDF: 27.5/31

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7409.923+/-1.622 χ^2/NDF:2486654.2/14

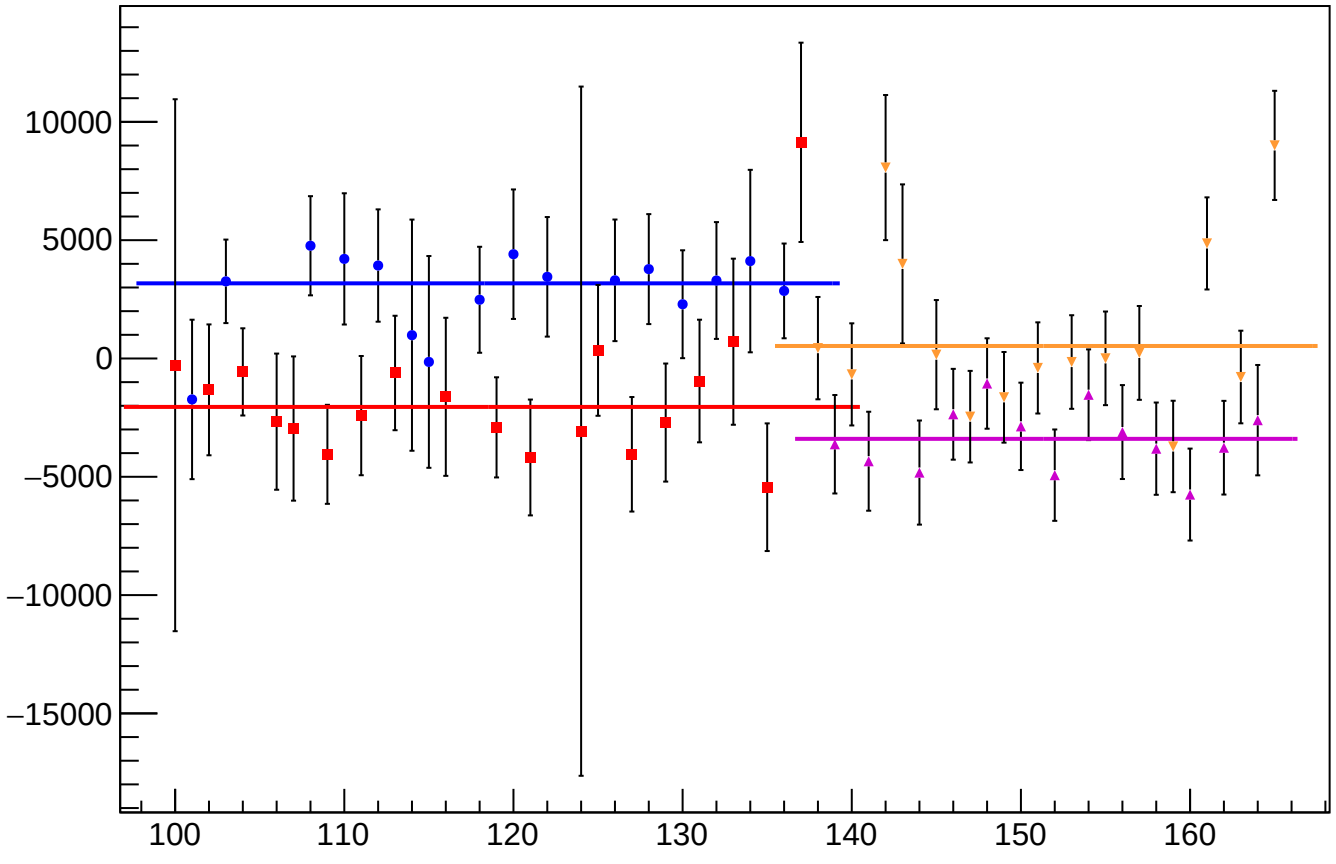
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8826.002+/-1.921 χ^2/NDF:675300.9/12

+ sign 7334.905+/-1.244 χ^2/NDF: 2995113.9/30

All: 7361.629+/-0.892 χ^2/NDF: 6076891.3/62

- sign 7389.932+/-1.281 χ^2/NDF: 3080827.7/31



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 528.377+/-545.039 χ^2/NDF:35.3/14

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

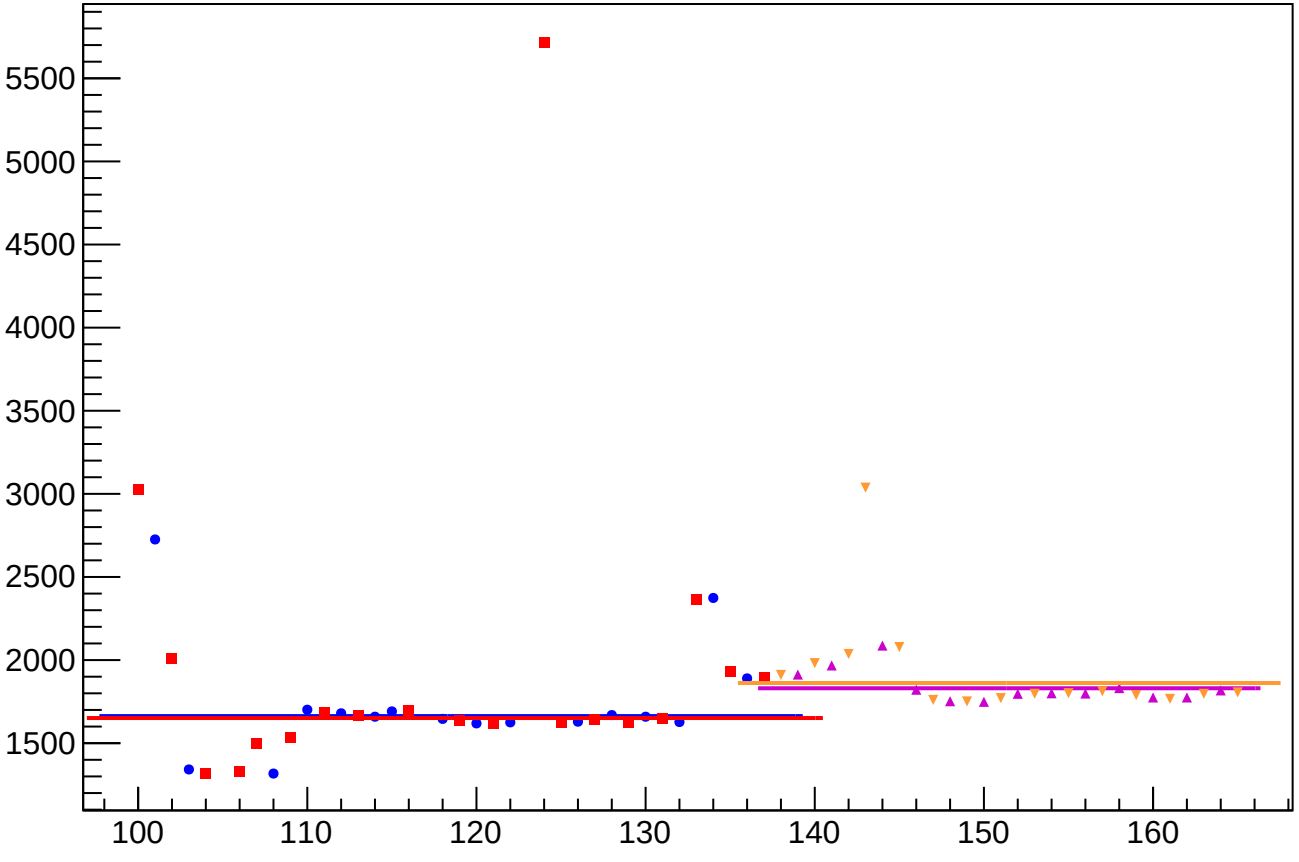
Left In: -3396.641+/-553.321 χ^2/NDF:5.8/12

+ sign 1665.755+/-411.627 χ^2/NDF: 49.7/30

All: -558.228+/-291.642 χ^2/NDF: 130.8/62

- sign -2799.972+/-413.267 χ^2/NDF: 22.4/31

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1862.094+/-0.385 χ^2/NDF:308706.7/14

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

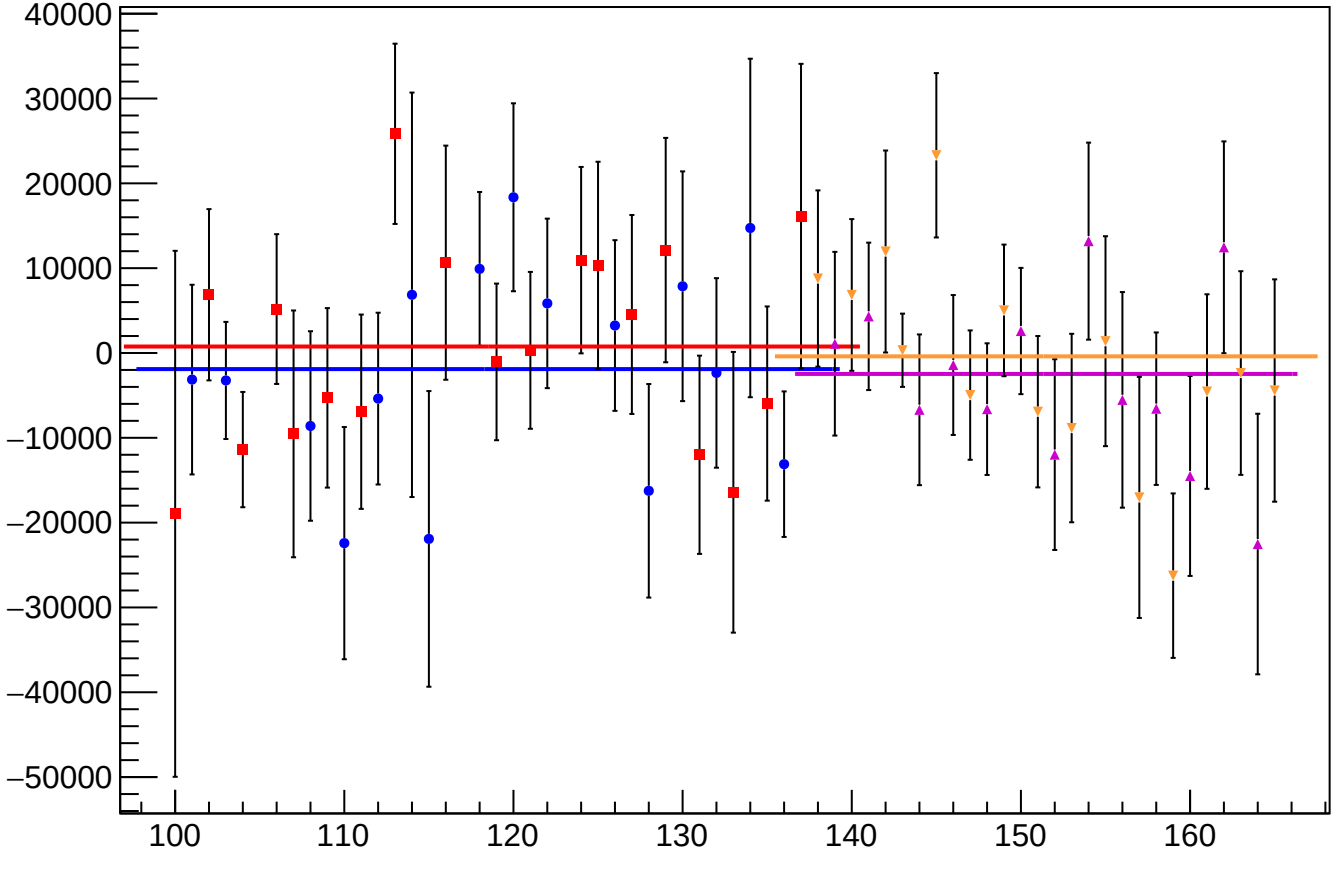
Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

+ sign 1776.514+/-0.291 χ^2/NDF: 839106.5/30

All: 1763.922+/-0.206 χ^2/NDF: 1418592.7/62

- sign 1751.230+/-0.292 χ^2/NDF: 575728.3/31

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -395.183+/-2293.901 χ^2/NDF:19.2/14

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

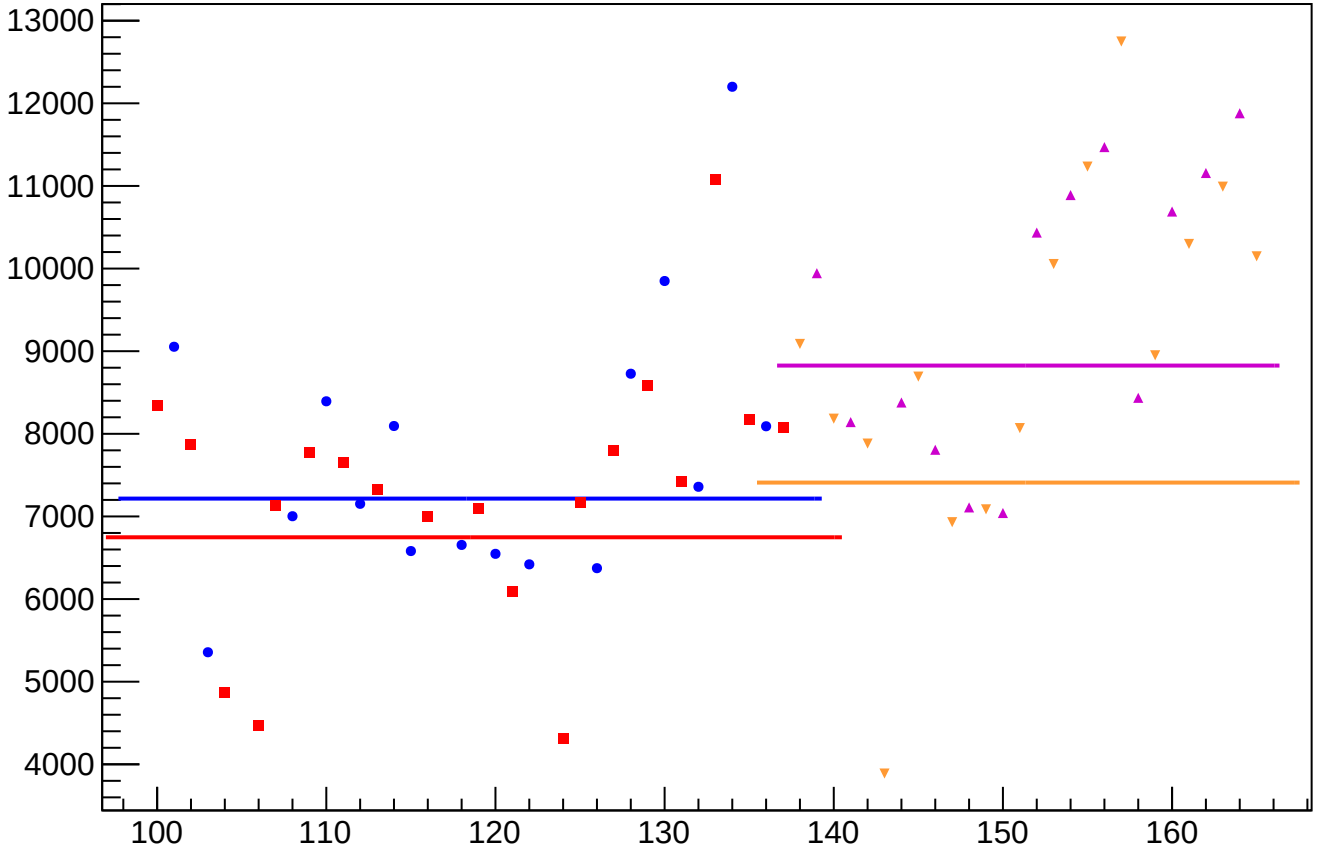
Left In: -2470.324+/-2716.278 χ^2/NDF:8.7/12

+ sign -1015.339+/-1758.871 χ^2/NDF: 33.8/30

All: -890.912+/-1277.676 χ^2/NDF: 60.5/62

- sign -751.898+/-1859.106 χ^2/NDF: 26.7/31

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7409.887+/-1.622 χ^2/NDF:2486709.7/14

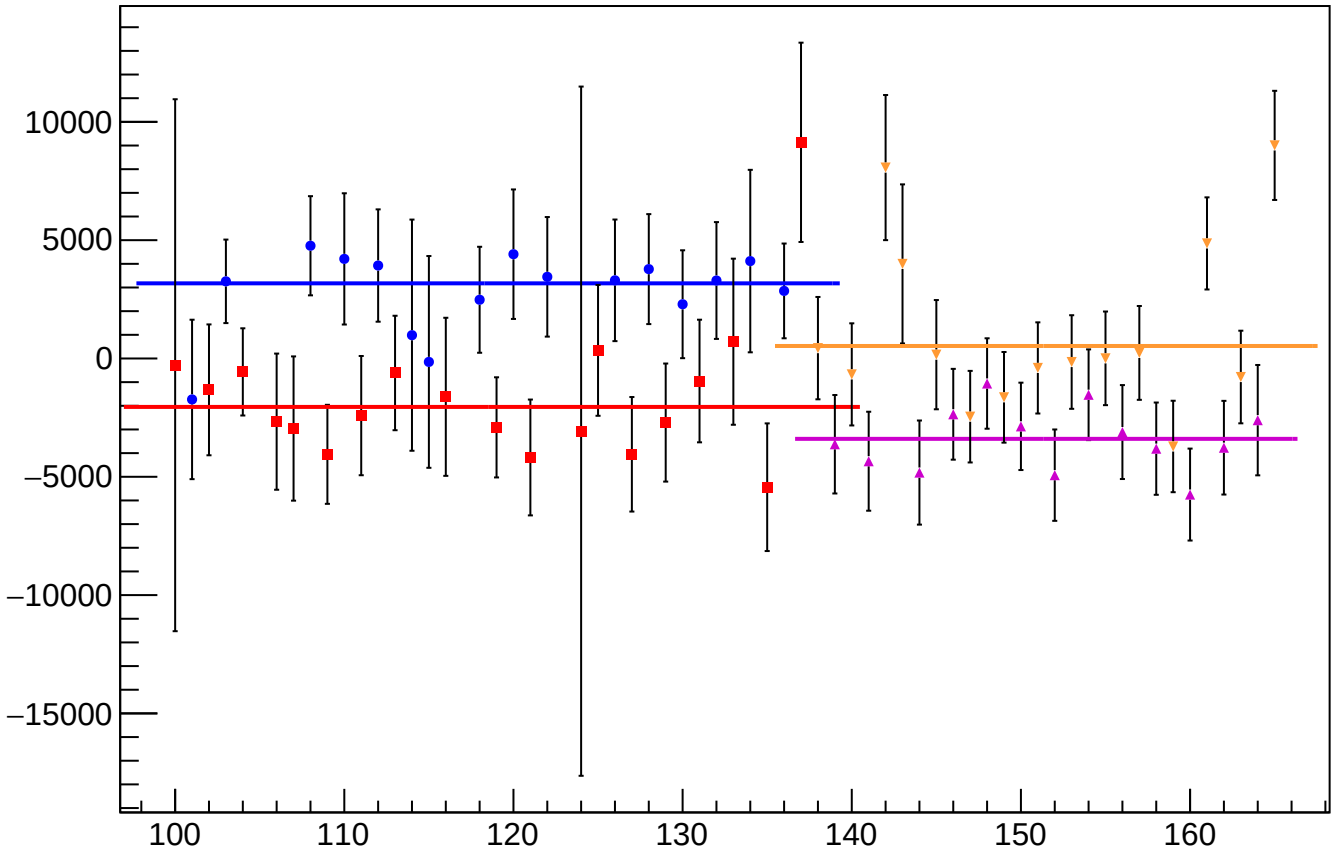
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8825.997+/-1.921 χ^2/NDF:675304.9/12

\+ sign 7330.002+/-1.244 χ^2/NDF: 3004722.2/30

All: 7514.814+/-0.903 χ^2/NDF: 5057912.7/62

\- sign 7721.290+/-1.315 χ^2/NDF: 2006439.8/31



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 528.377+/-545.039 χ^2/NDF:35.3/14

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

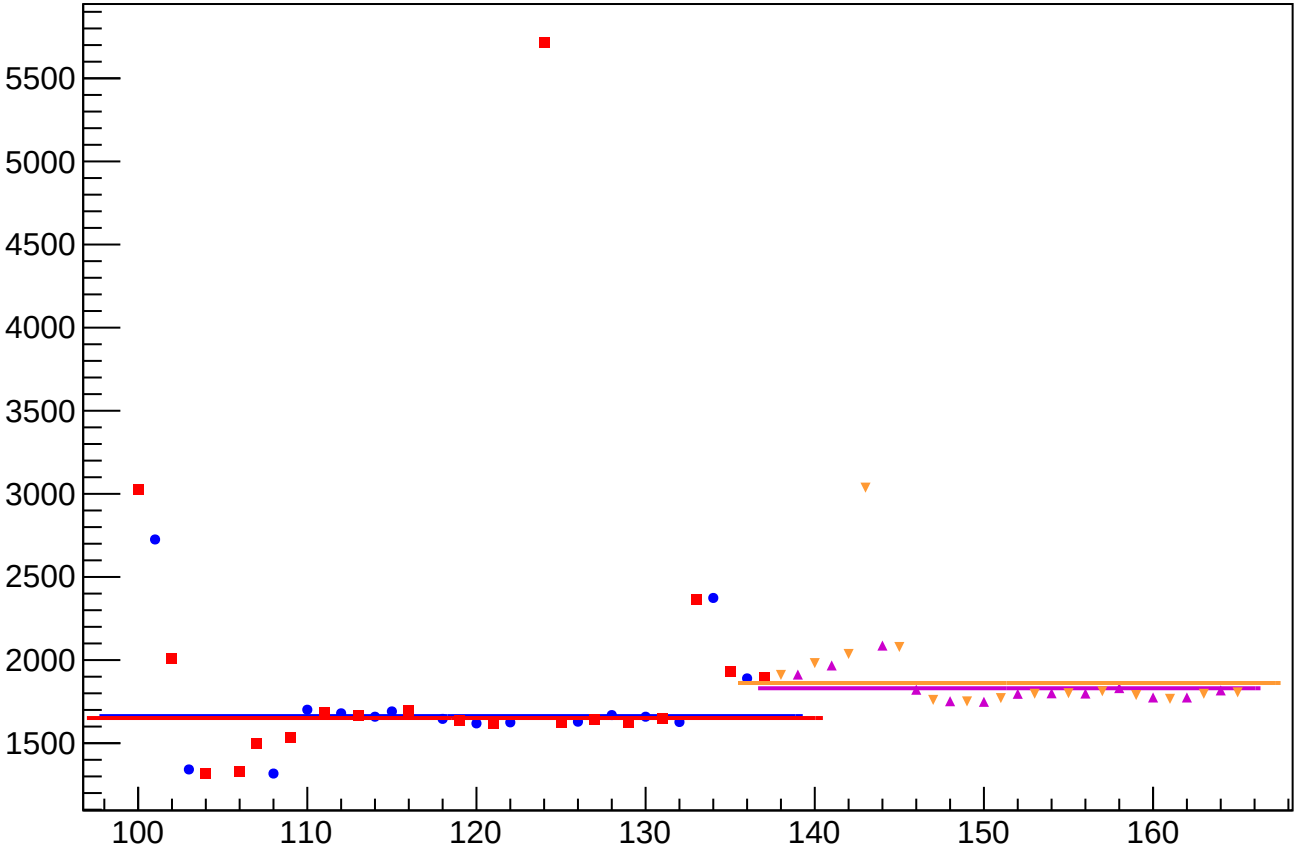
Left In: -3396.641+/-553.321 χ^2/NDF:5.8/12

+ sign 1665.755+/-411.627 χ^2/NDF: 49.7/30

All: -558.228+/-291.642 χ^2/NDF: 130.8/62

- sign -2799.972+/-413.267 χ^2/NDF: 22.4/31

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1862.094+/-0.385 χ^2/NDF:308706.7/14

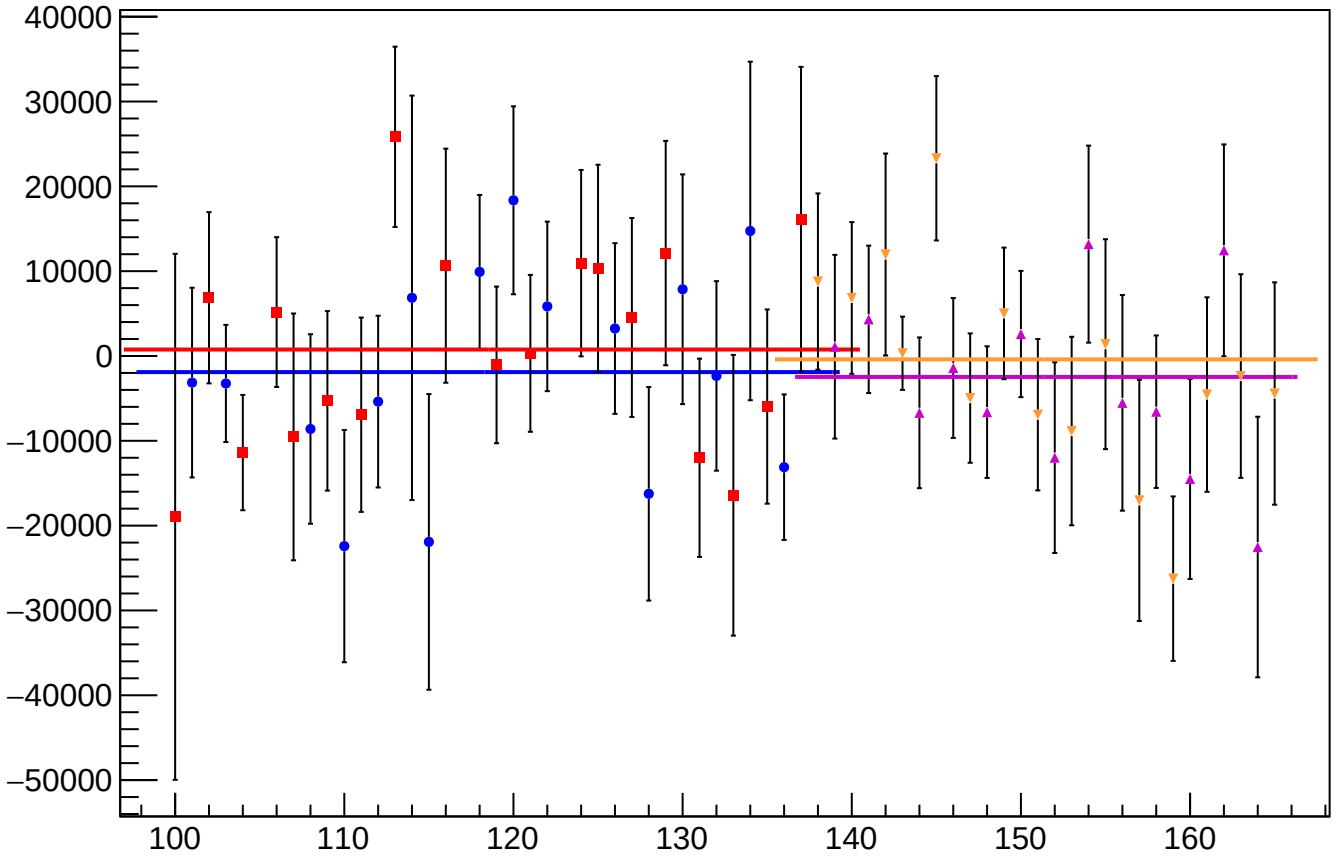
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

+ sign 1776.514+/-0.291 χ^2/NDF: 839106.5/30

All: 1763.922+/-0.206 χ^2/NDF: 1418592.7/62

- sign 1751.230+/-0.292 χ^2/NDF: 575728.3/31



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -395.183+/-2293.901 χ^2/NDF:19.2/14

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

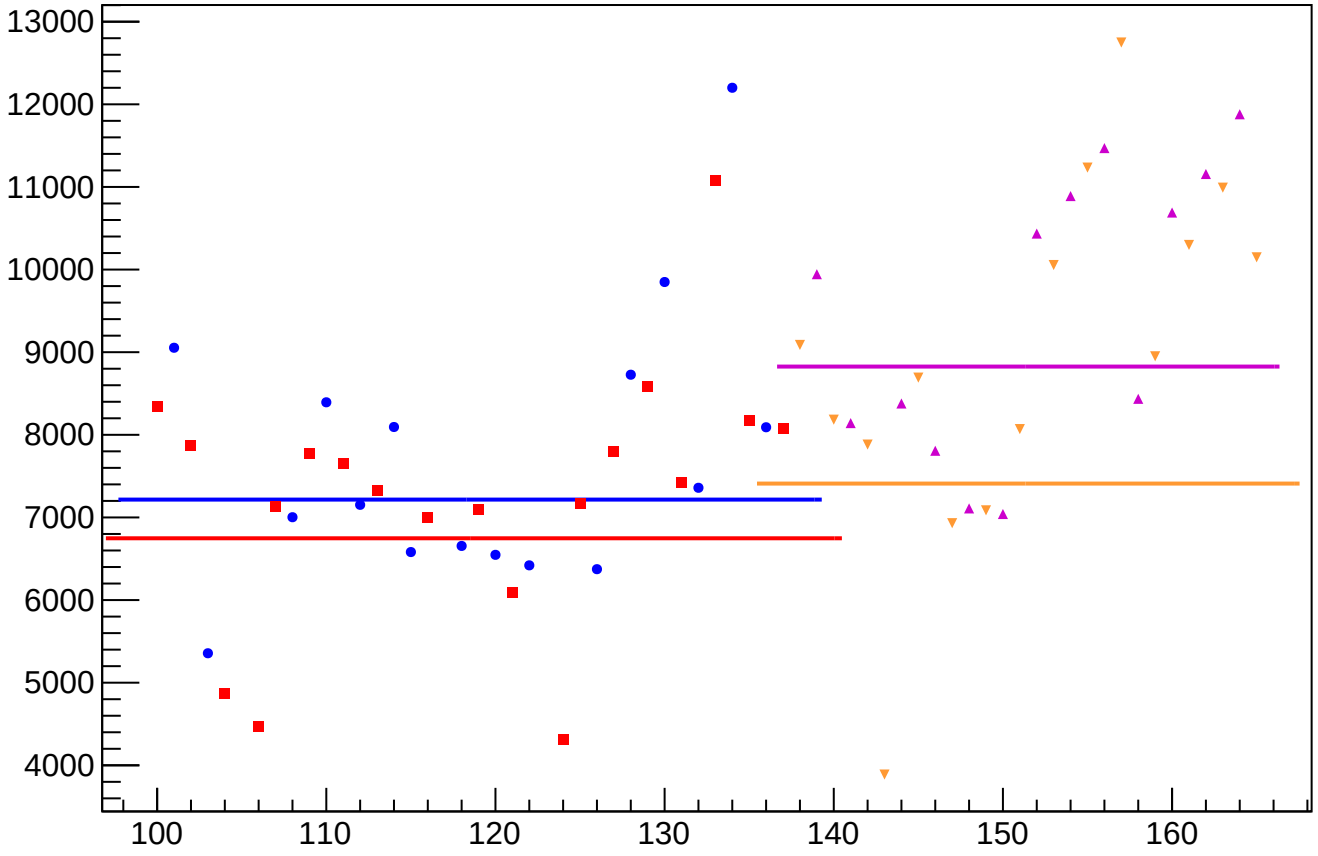
Left In: -2470.324+/-2716.278 χ^2/NDF:8.7/12

+ sign -1015.339+/-1758.871 χ^2/NDF: 33.8/30

All: -890.912+/-1277.676 χ^2/NDF: 60.5/62

- sign -751.898+/-1859.106 χ^2/NDF: 26.7/31

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7409.887+/-1.622 χ^2/NDF:2486709.7/14

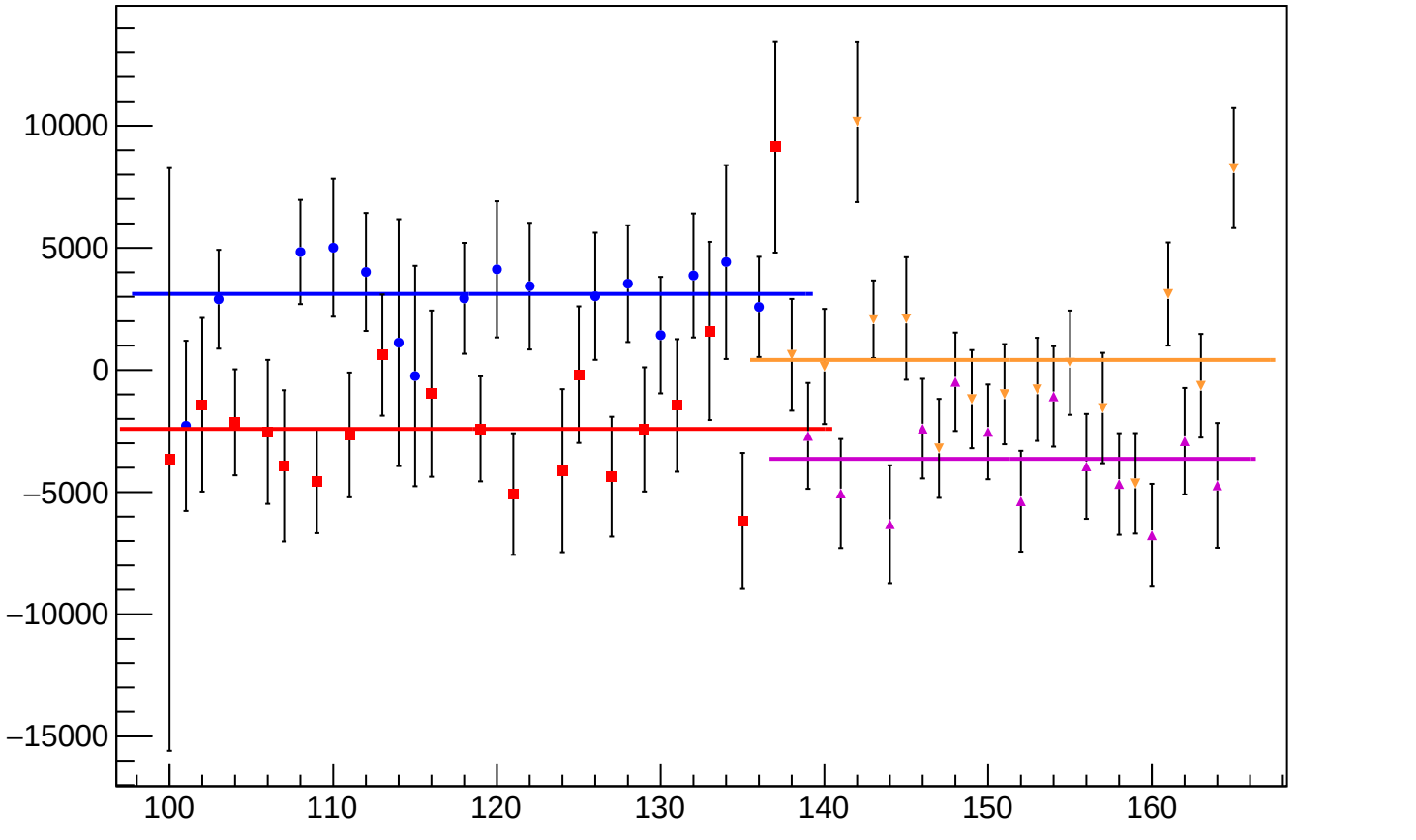
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8825.997+/-1.921 χ^2/NDF:675304.9/12

+ sign 7330.002+/-1.244 χ^2/NDF: 3004722.2/30

All: 7514.814+/-0.903 χ^2/NDF: 5057912.7/62

- sign 7721.290+/-1.315 χ^2/NDF: 2006439.8/31



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 415.073+/-555.929 χ^2/NDF:33.9/14

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

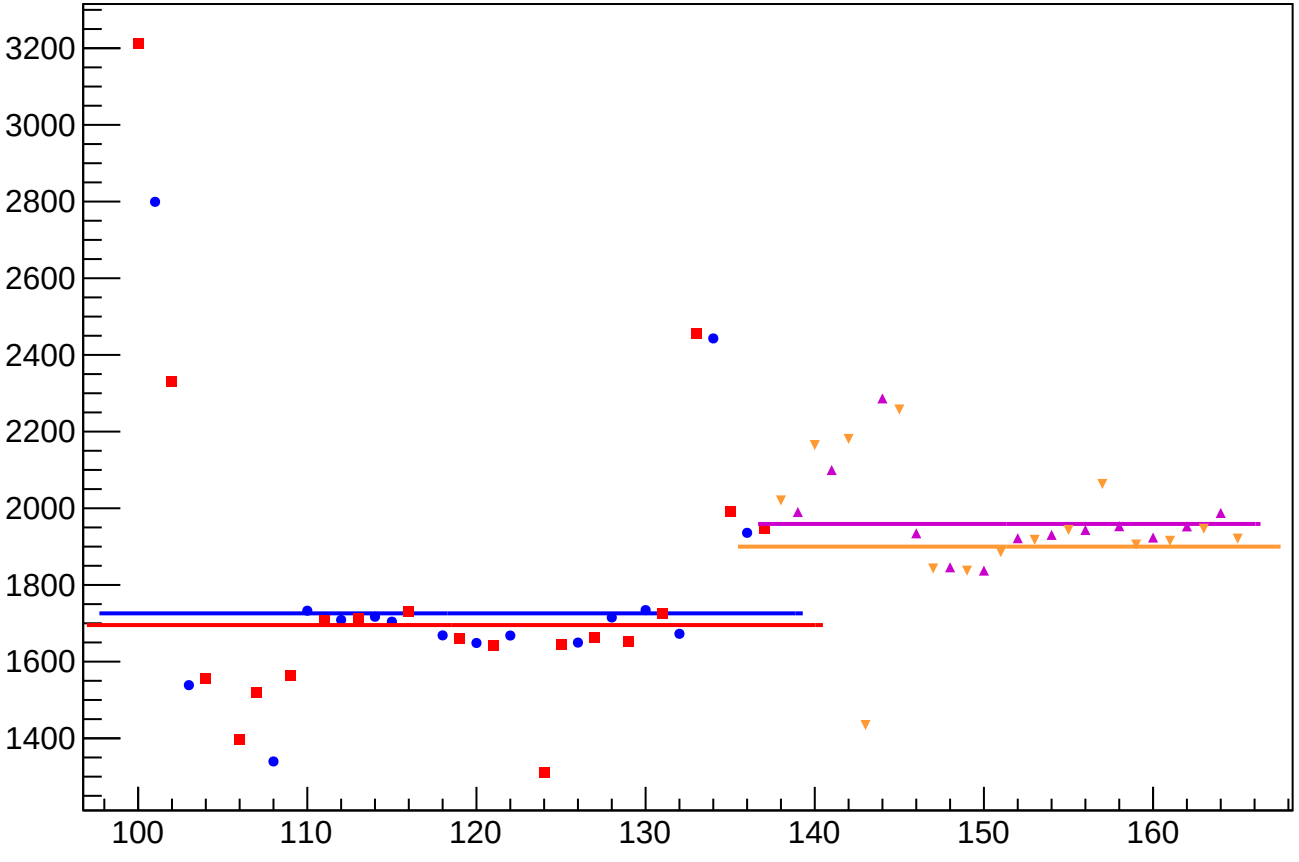
Left In: -3638.676+/-592.531 χ^2/NDF:10.0/12

+ sign 1554.646+/-422.789 χ^2/NDF: 49.2/30

All: -695.449+/-303.009 χ^2/NDF: 135.4/62

- sign -3071.794+/-434.488 χ^2/NDF: 28.0/31

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1899.938+/-0.393 χ^2/NDF:273998.6/14

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

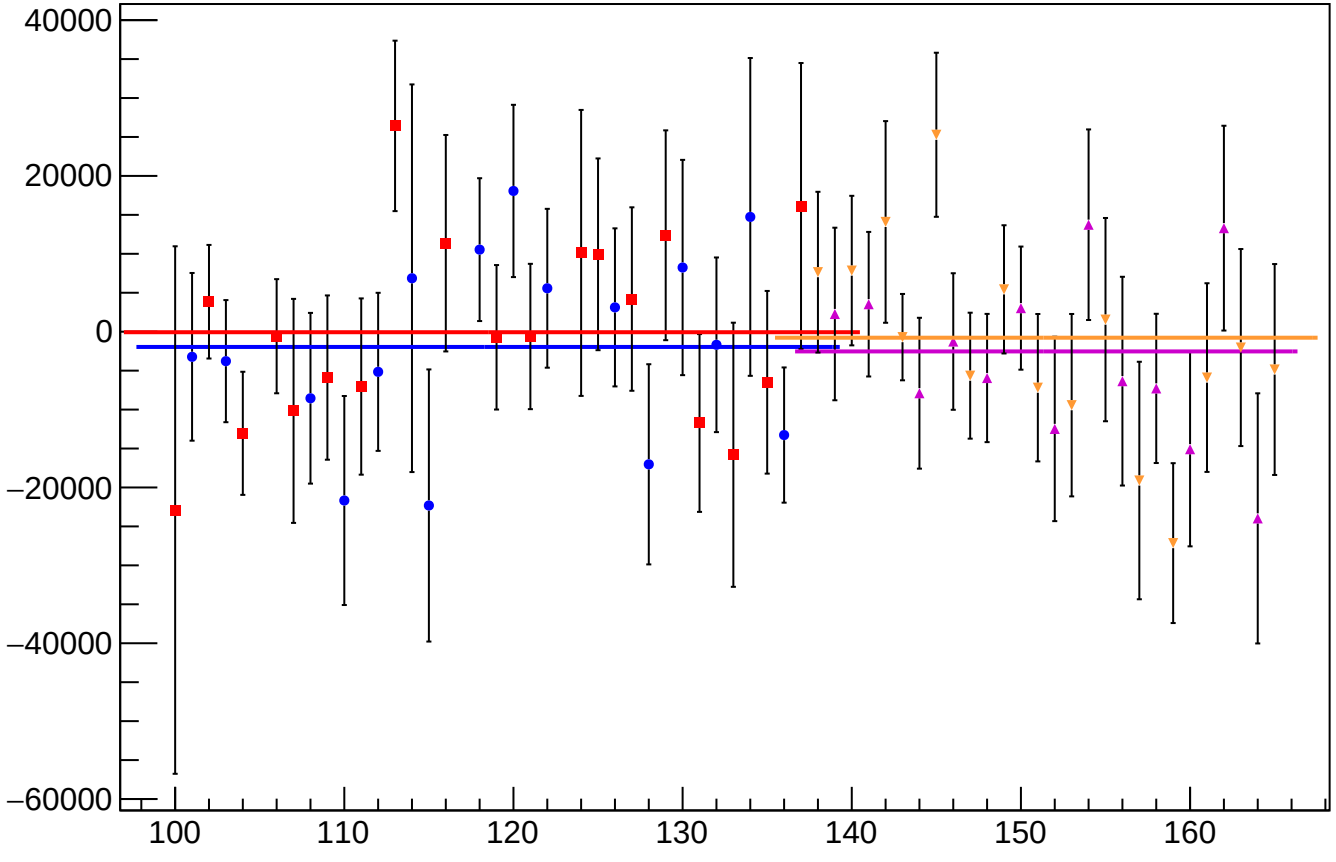
Left In: 1959.140+/-0.419 χ^2/NDF:61719.1/12

+ sign 1826.564+/-0.299 χ^2/NDF: 722270.5/30

All: 1831.716+/-0.214 χ^2/NDF: 1253497.9/62

- sign 1837.156+/-0.307 χ^2/NDF: 530616.7/31

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -772.166+/-2544.349 χ^2/NDF:19.2/14

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

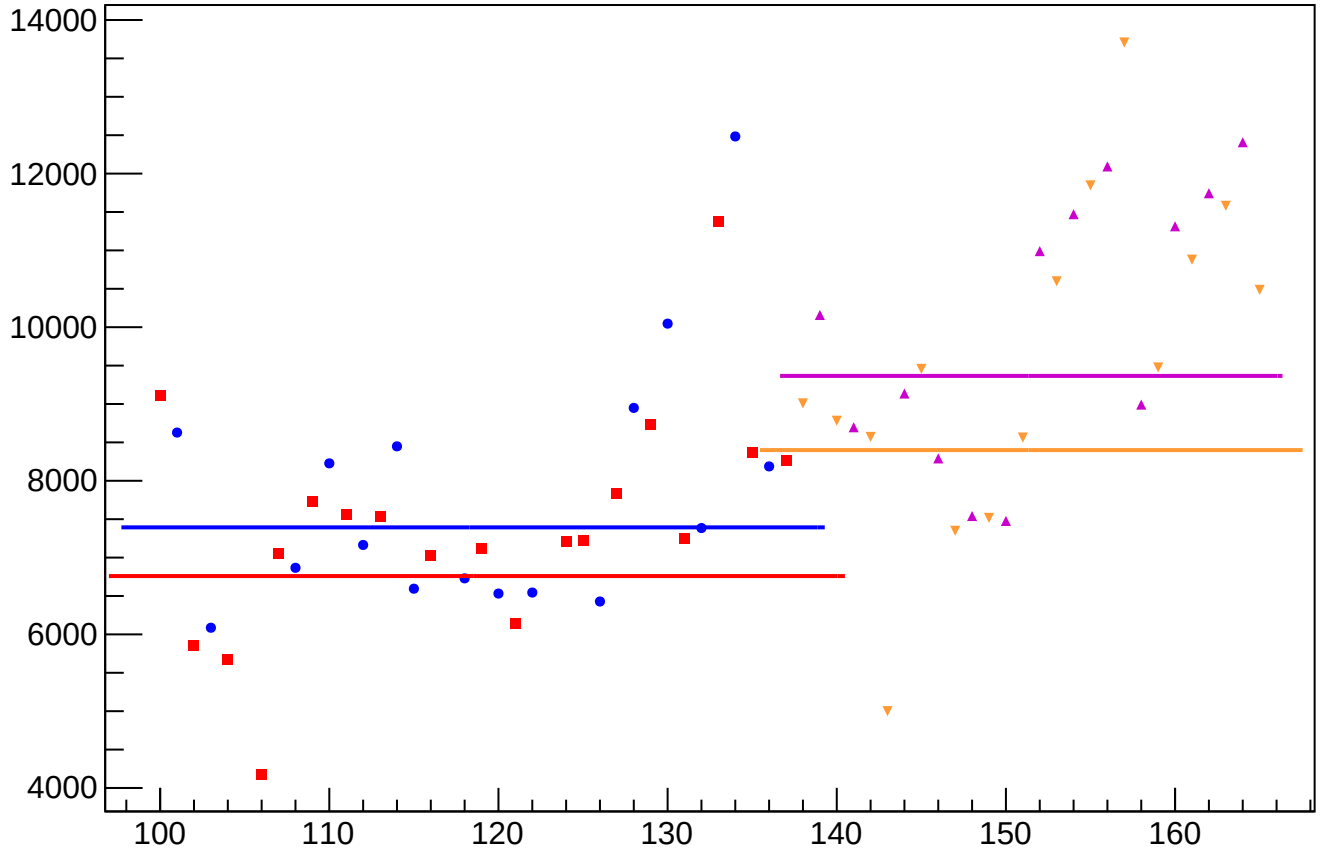
Left In: -2533.175+/-2879.919 χ^2/NDF:8.7/12

+ sign -1309.096+/-1882.521 χ^2/NDF: 33.7/30

All: -1226.176+/-1337.462 χ^2/NDF: 58.9/62

- sign -1141.663+/-1900.521 χ^2/NDF: 25.2/31

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8399.734+/-1.799 χ^2/NDF:1572175.9/14

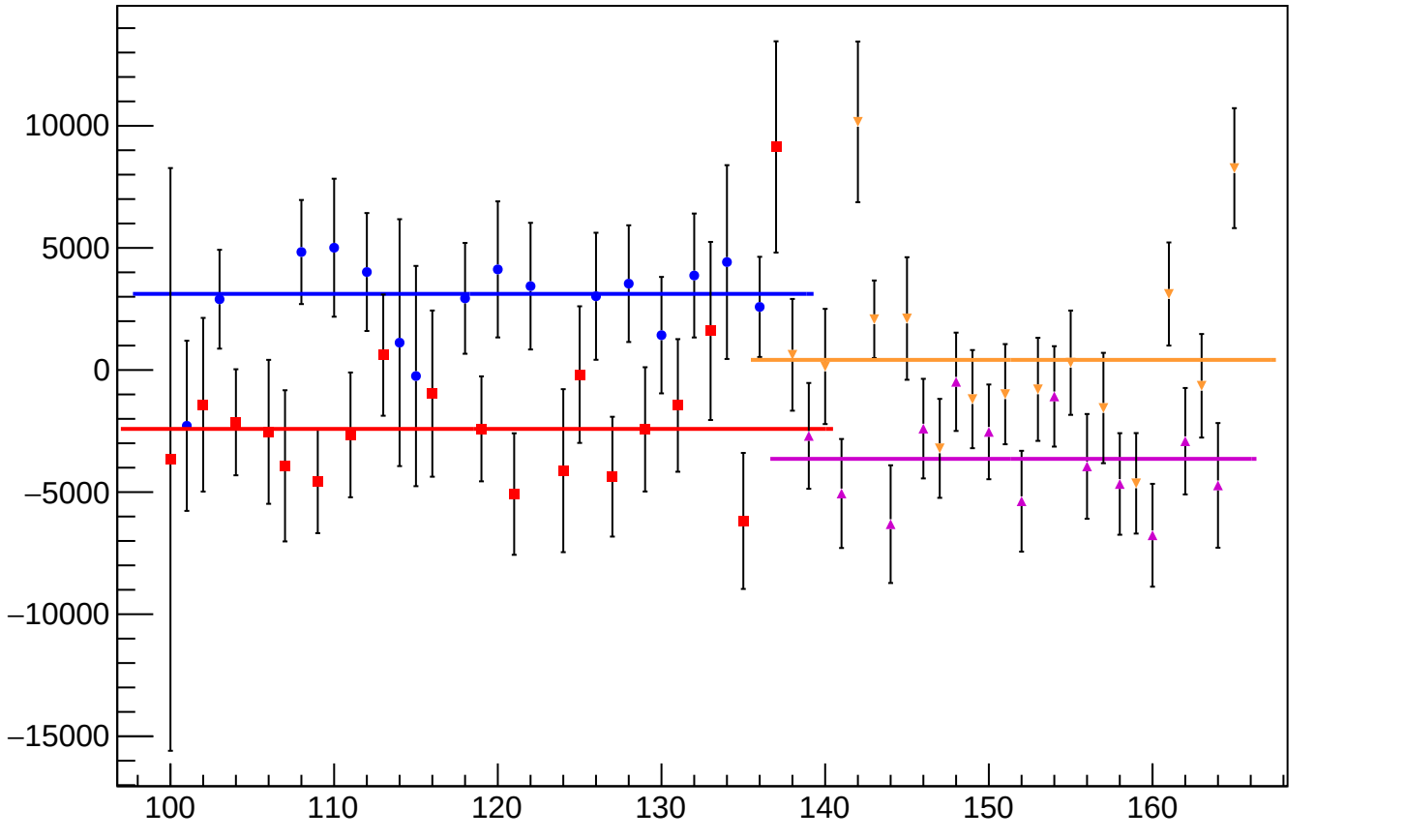
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9365.727+/-2.036 χ^2/NDF:633116.6/12

\+ sign 7944.395+/-1.331 χ^2/NDF: 2115535.5/30

All: 7919.666+/-0.946 χ^2/NDF: 4318305.1/62

\- sign 7894.462+/-1.344 χ^2/NDF: 2202072.7/31



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 415.057+/-555.930 χ^2/NDF:33.9/14

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

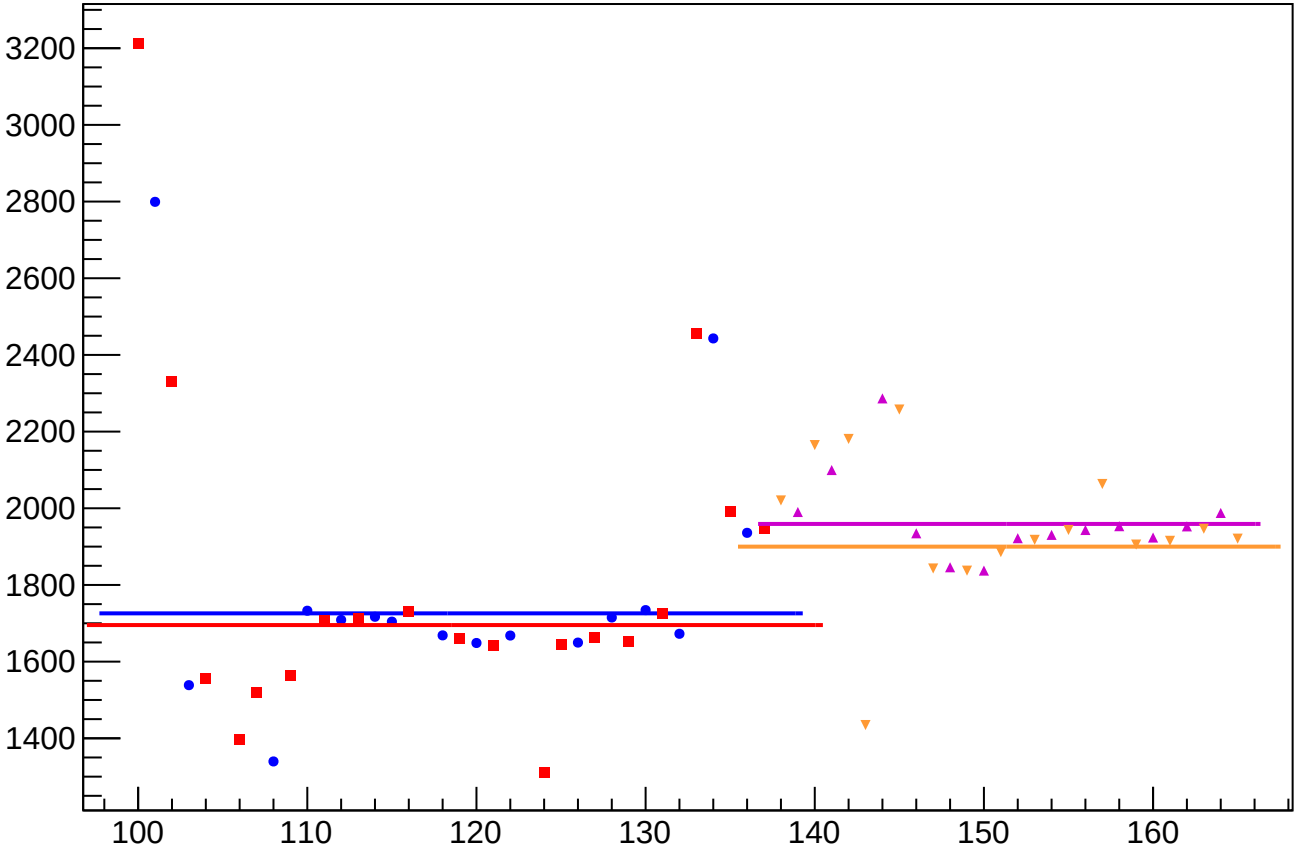
Left In: -3638.678+/-592.532 χ^2/NDF:10.0/12

+ sign 1554.641+/-422.790 χ^2/NDF: 49.2/30

All: -695.453+/-303.009 χ^2/NDF: 135.4/62

- sign -3071.797+/-434.489 χ^2/NDF: 28.0/31

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1899.942+/-0.393 χ^2/NDF:273999.9/14

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

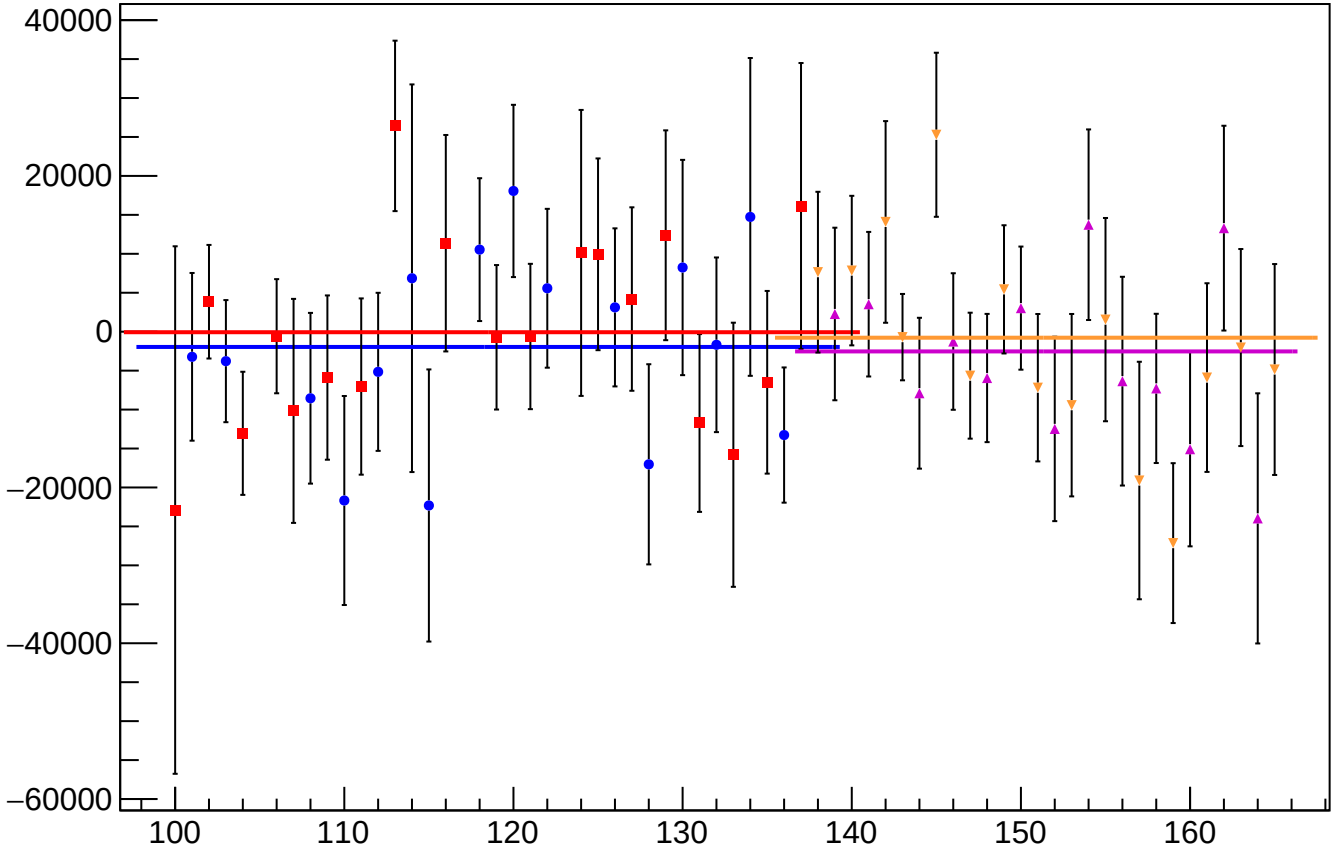
Left In: 1959.143+/-0.419 χ^2/NDF:61719.5/12

+ sign 1826.565+/-0.299 χ^2/NDF: 722275.6/30

All: 1831.718+/-0.214 χ^2/NDF: 1253509.1/62

- sign 1837.158+/-0.307 χ^2/NDF: 530622.8/31

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -772.177+/-2544.353 χ^2/NDF:19.2/14

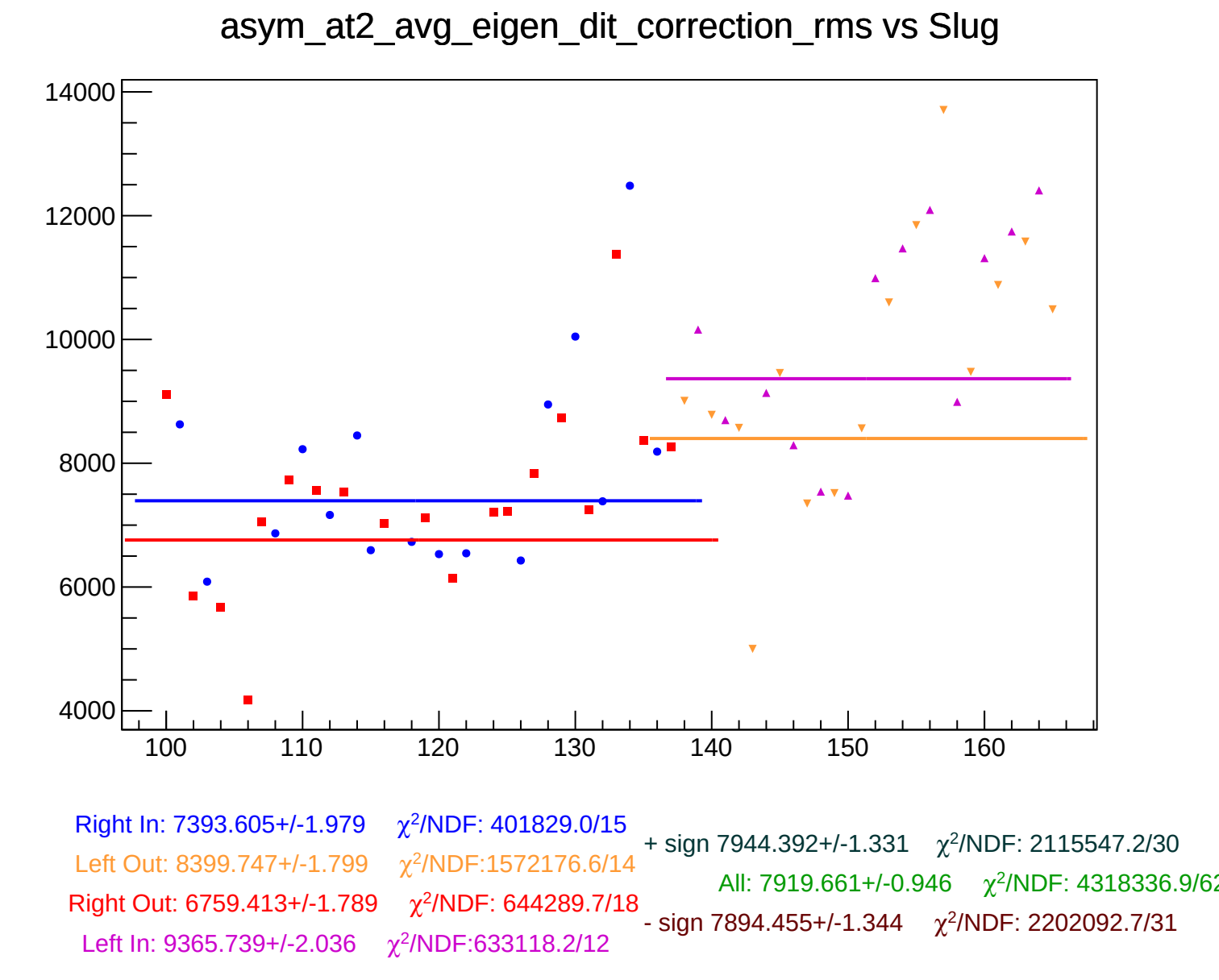
Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -2533.172+/-2879.923 χ^2/NDF:8.7/12

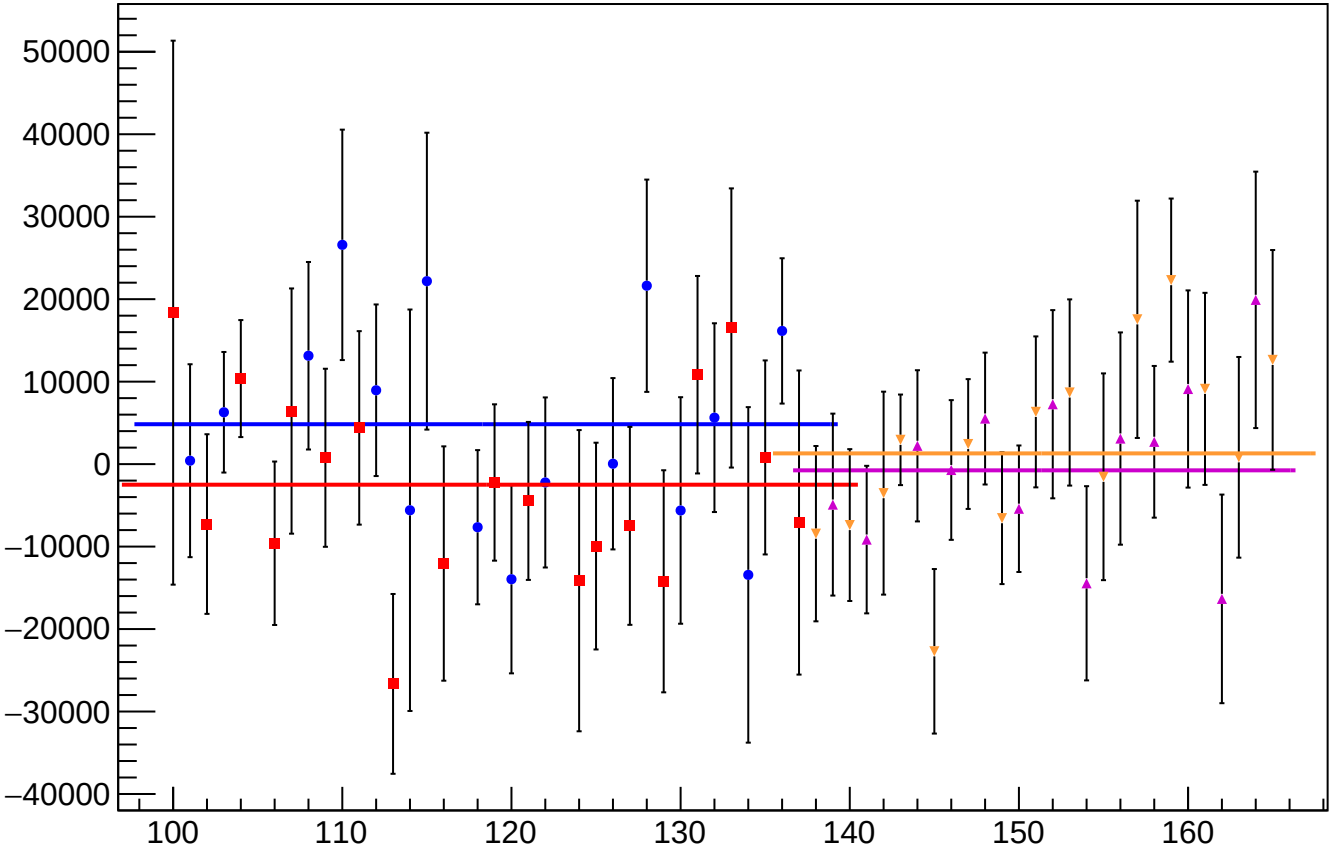
+ sign -1309.094+/-1882.521 χ^2/NDF: 33.7/30

All: -1226.174+/-1337.461 χ^2/NDF: 58.9/62

- sign -1141.661+/-1900.520 χ^2/NDF: 25.2/31


asym_at2_avg_eigen_dit_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7393.605+/-1.979 χ²/NDF: 401829.0/15
Left Out: 8399.747+/-1.799 χ²/NDF:1572176.6/14
Right Out: 6759.413+/-1.789 χ²/NDF: 644289.7/18
Left In: 9365.739+/-2.036 χ²/NDF:633118.2/12
+ sign 7944.392+/-1.331 χ²/NDF: 2115547.2/30
All: 7919.661+/-0.946 χ²/NDF: 4318336.9/62
- sign 7894.455+/-1.344 χ²/NDF: 2202092.7/31

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 1300.426+/-2475.116 χ^2/NDF:16.5/14

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

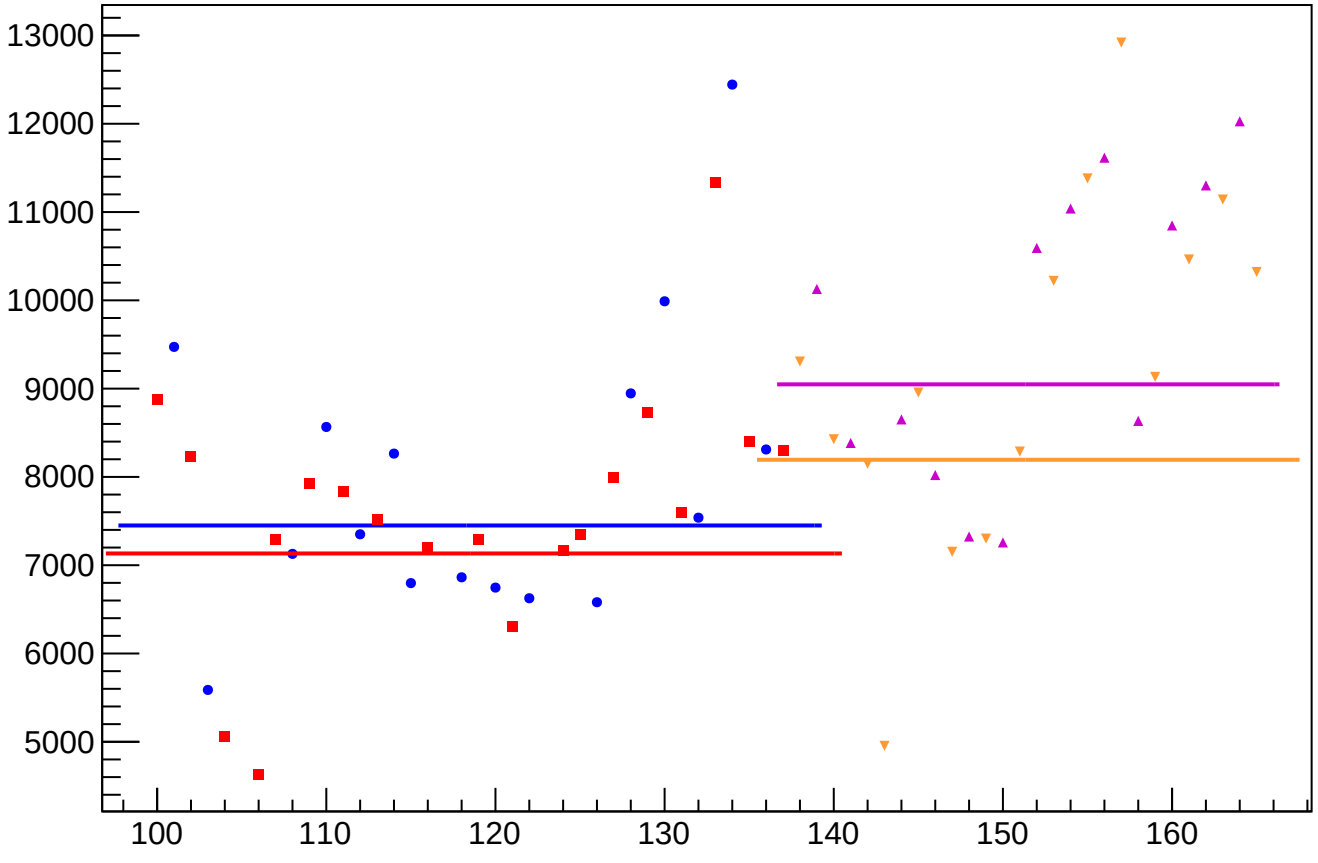
Left In: -754.765+/-2780.706 χ^2/NDF:8.2/12

+ sign 2834.209+/-1862.776 χ^2/NDF: 31.7/30

All: 676.717+/-1342.135 χ^2/NDF: 57.8/62

- sign -1652.378+/-1935.440 χ^2/NDF: 23.3/31

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8194.227+/-1.750 χ^2/NDF:1463318.0/14

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

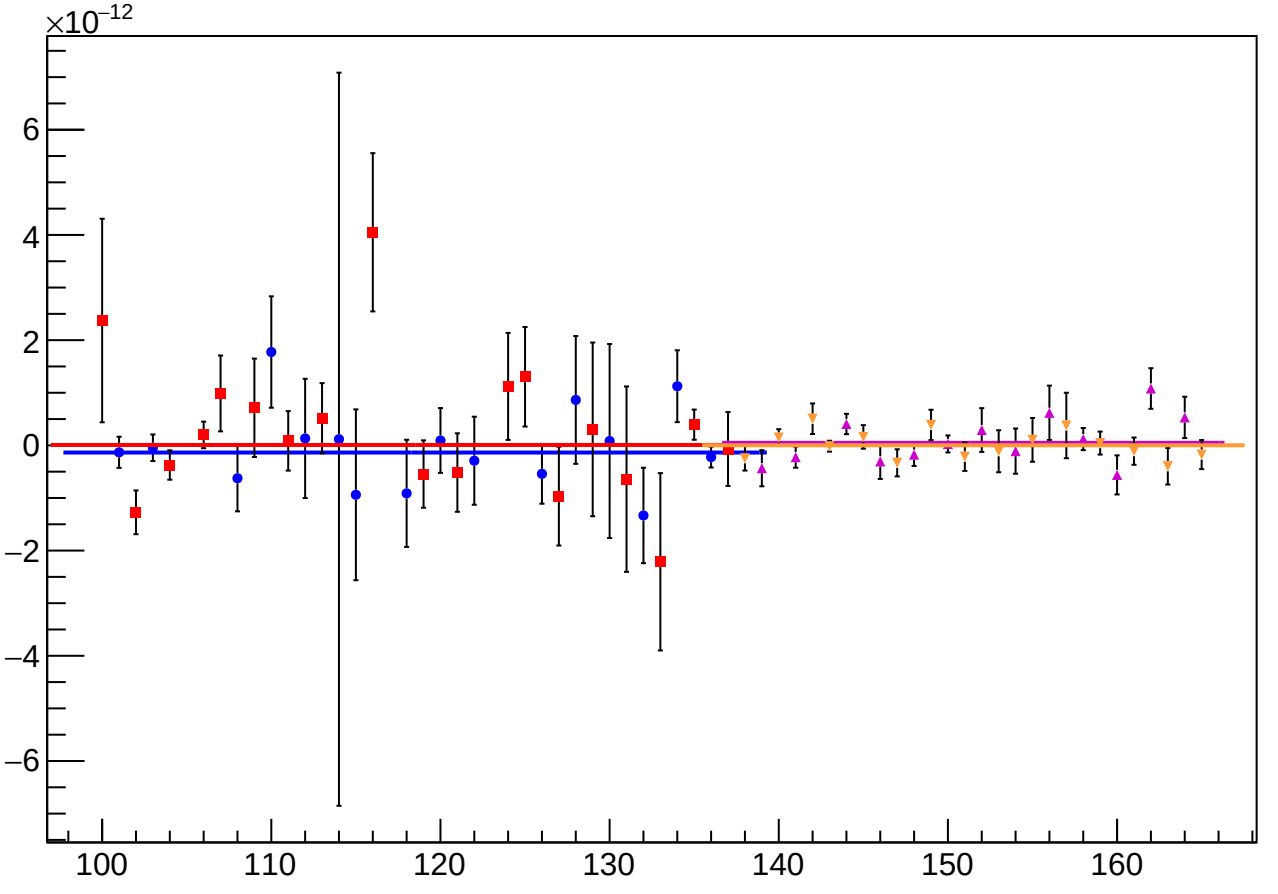
Left In: 9048.431+/-1.966 χ^2/NDF:625044.3/12

+ sign 7871.527+/-1.317 χ^2/NDF: 2028152.1/30

All: 7962.606+/-0.949 χ^2/NDF: 3709348.5/62

- sign 8060.923+/-1.369 χ^2/NDF: 1671253.7/31

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:12.1/14

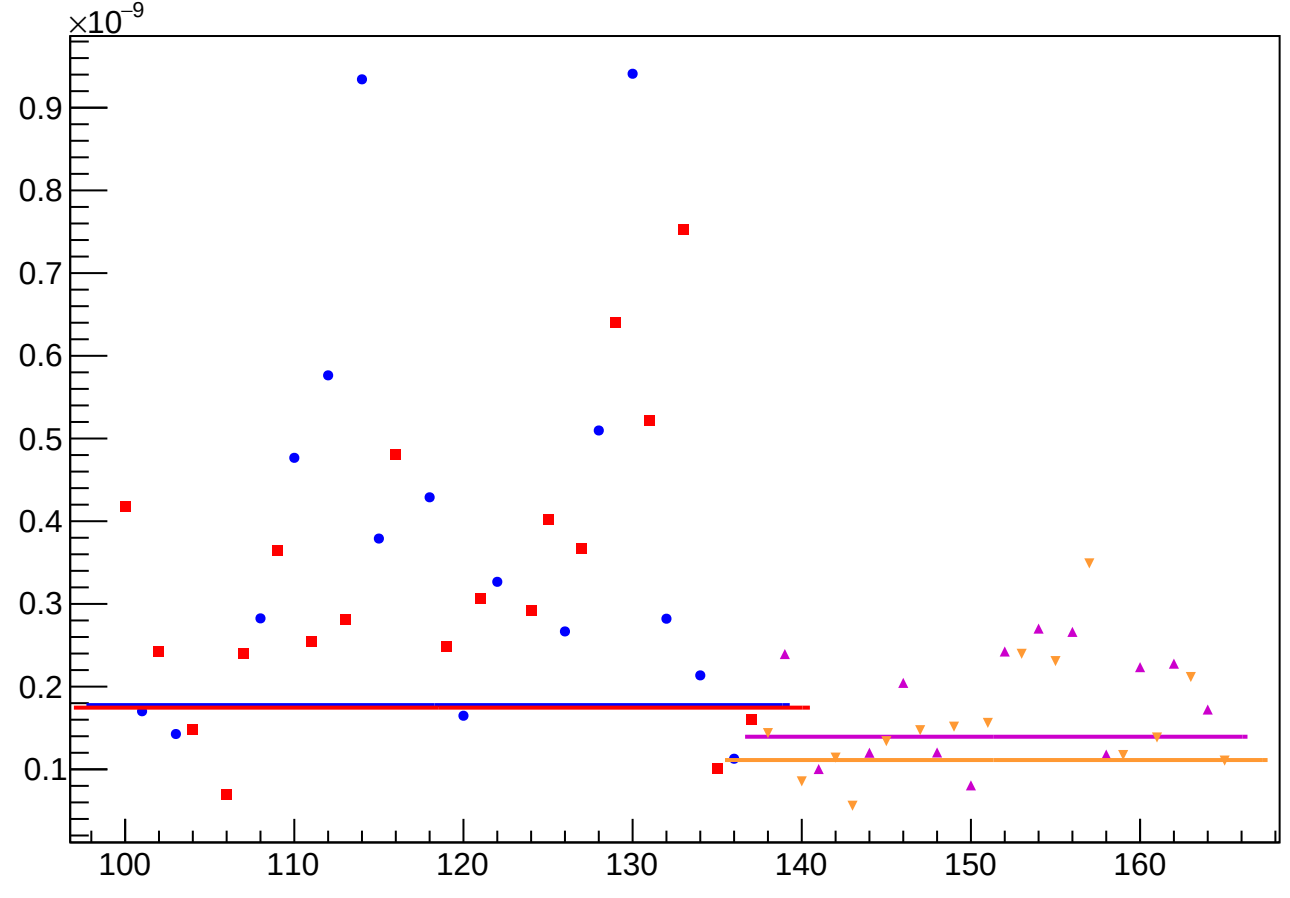
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:22.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.7/30

All: 0.000+/-0.000 χ^2/NDF: 80.8/62

- sign 0.000+/-0.000 χ^2/NDF: 55.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1671952.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

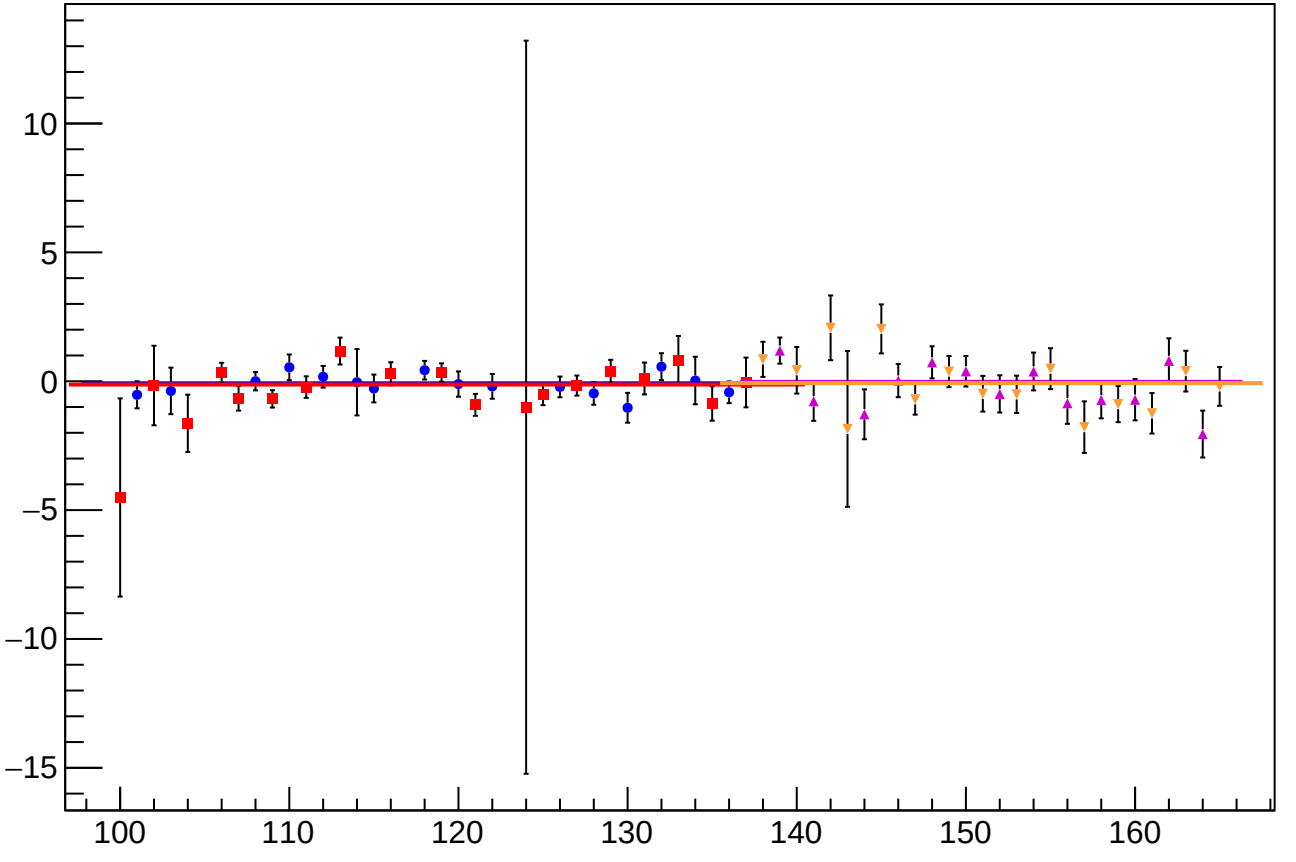
Left In: 0.000+/-0.000 χ^2/NDF:1291688.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 3699305.8/30

All: 0.000+/-0.000 χ^2/NDF: 6935704.8/62

- sign 0.000+/-0.000 χ^2/NDF: 3053781.6/31

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

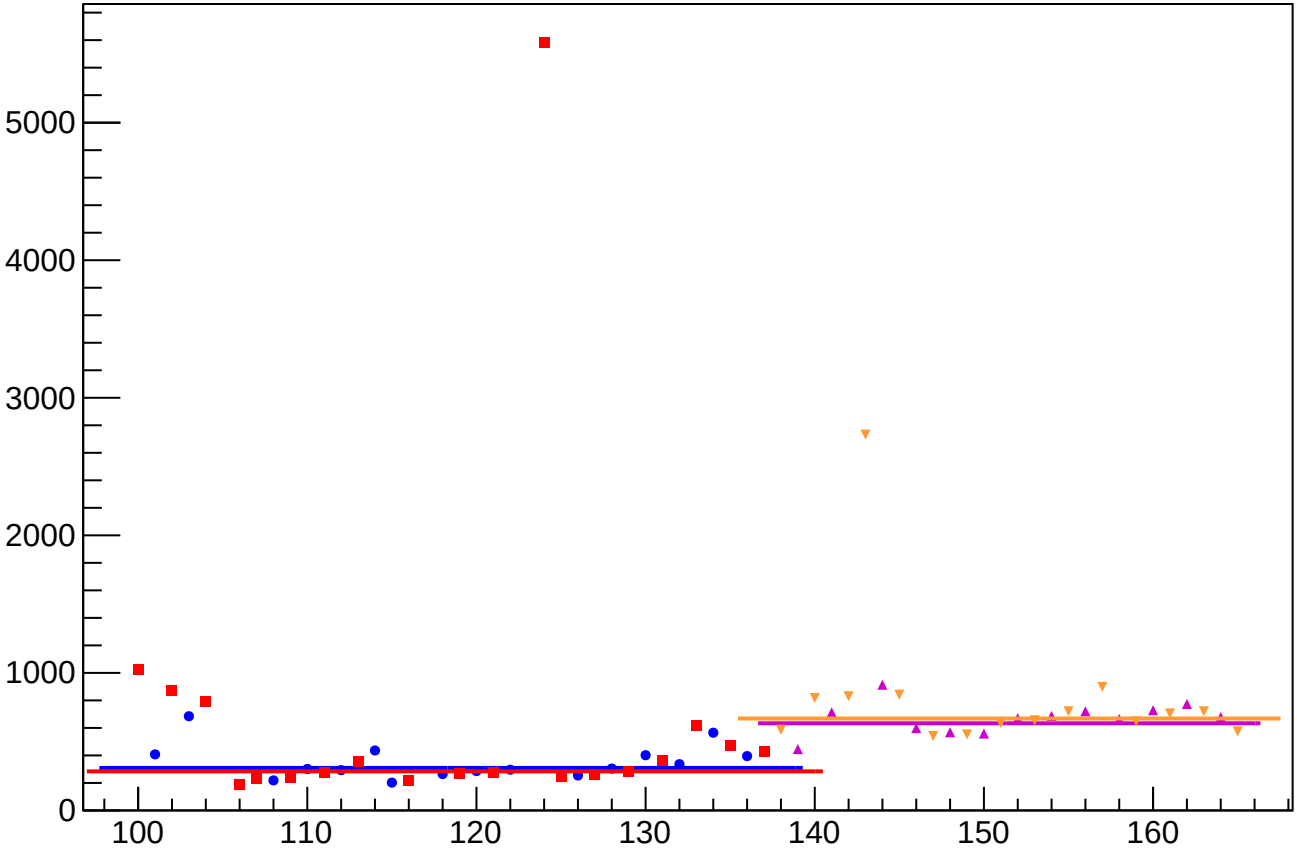
Left In: -0.023+/-0.196 χ^2/NDF:19.7/12

+ sign -0.078+/-0.104 χ^2/NDF: 30.8/30

All: -0.089+/-0.072 χ^2/NDF: 76.0/62

- sign -0.100+/-0.100 χ^2/NDF: 45.2/31

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 668.520+/-0.143 χ^2/NDF:1443226.4/14

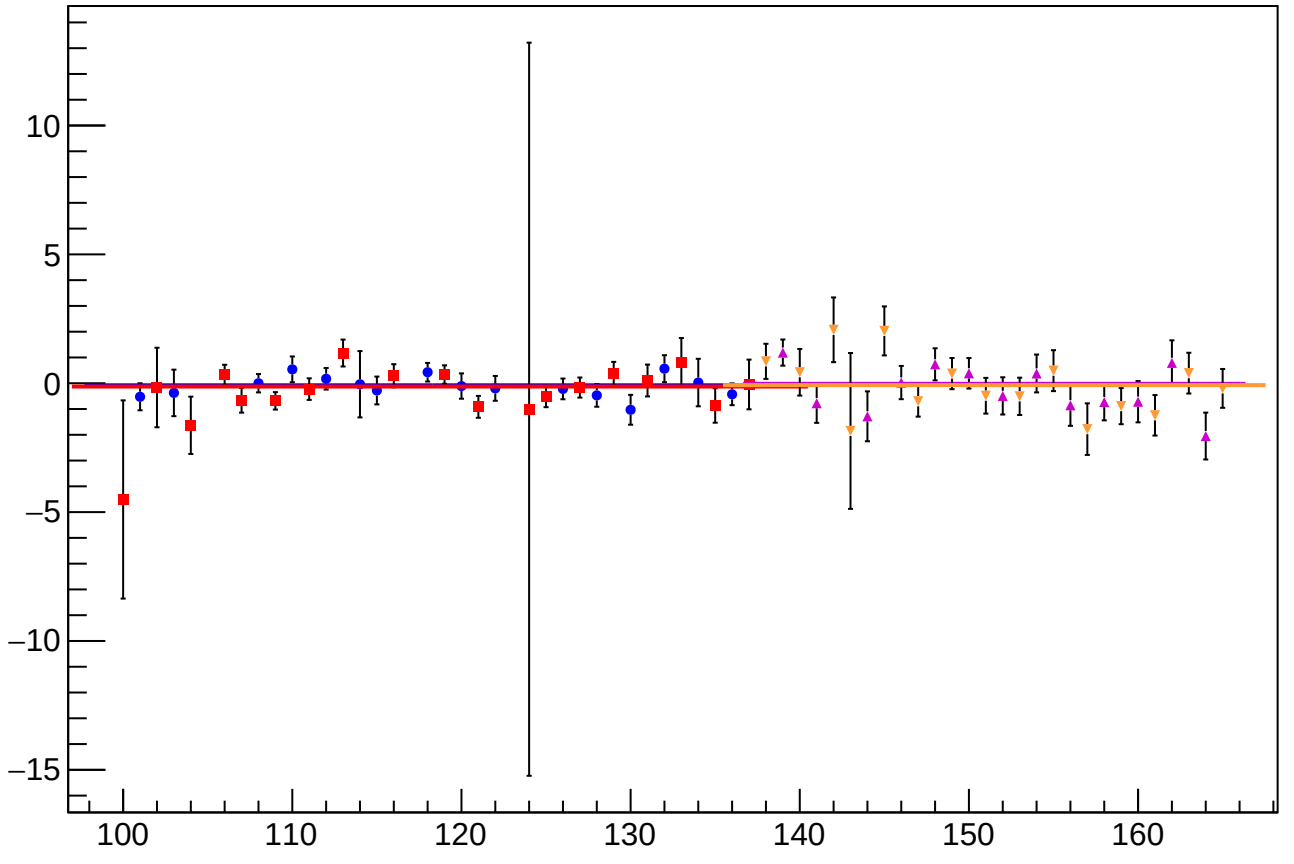
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 633.685+/-0.139 χ^2/NDF:650073.1/12

+ sign 404.576+/-0.074 χ^2/NDF: 7079510.5/30

All: 389.520+/-0.051 χ^2/NDF: 14340109.0/62

- sign 375.584+/-0.071 χ^2/NDF: 7180548.5/31



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

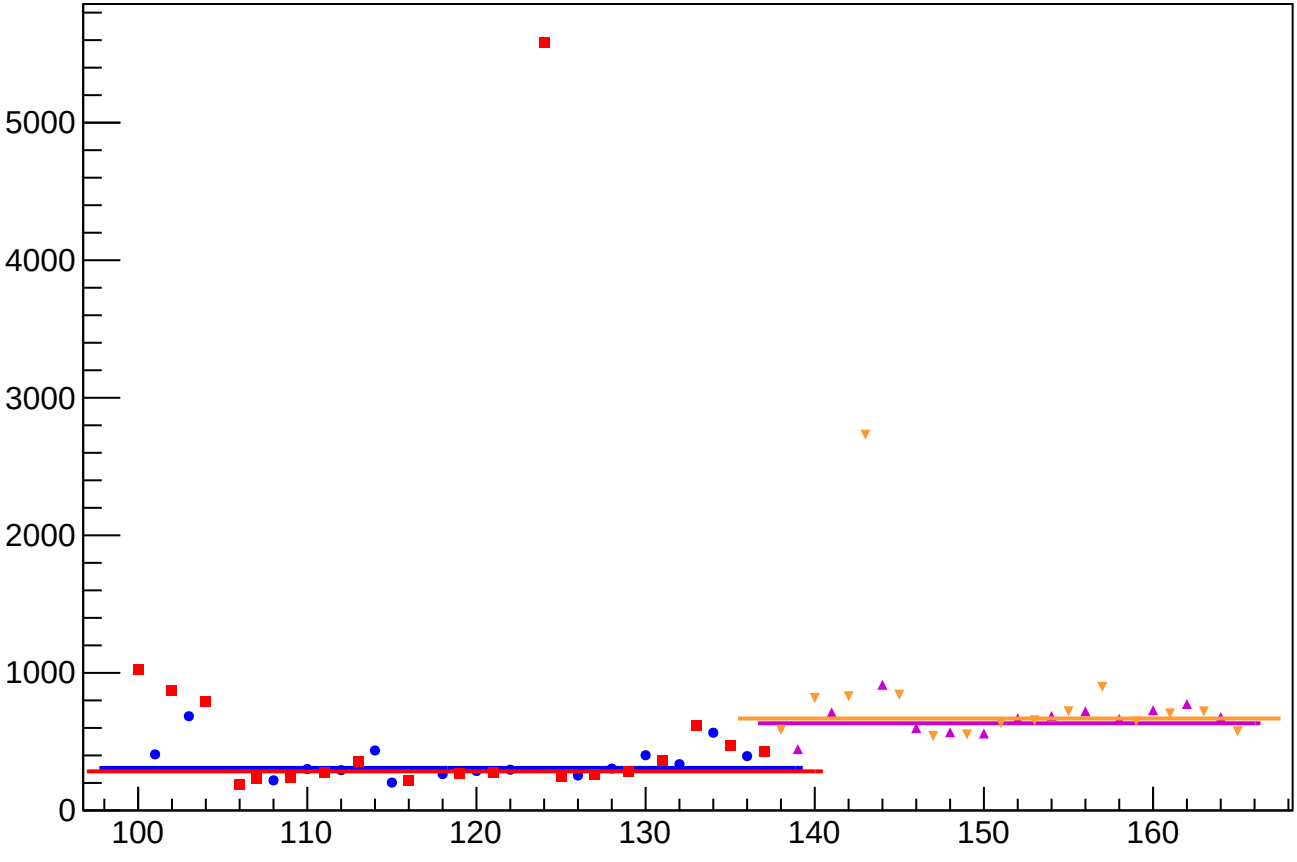
Left In: -0.023+/-0.196 χ^2/NDF:19.7/12

+ sign -0.078+/-0.104 χ^2/NDF: 30.8/30

All: -0.089+/-0.072 χ^2/NDF: 76.0/62

- sign -0.100+/-0.100 χ^2/NDF: 45.2/31

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: 668.520+/-0.143 χ^2/NDF:1443226.4/14

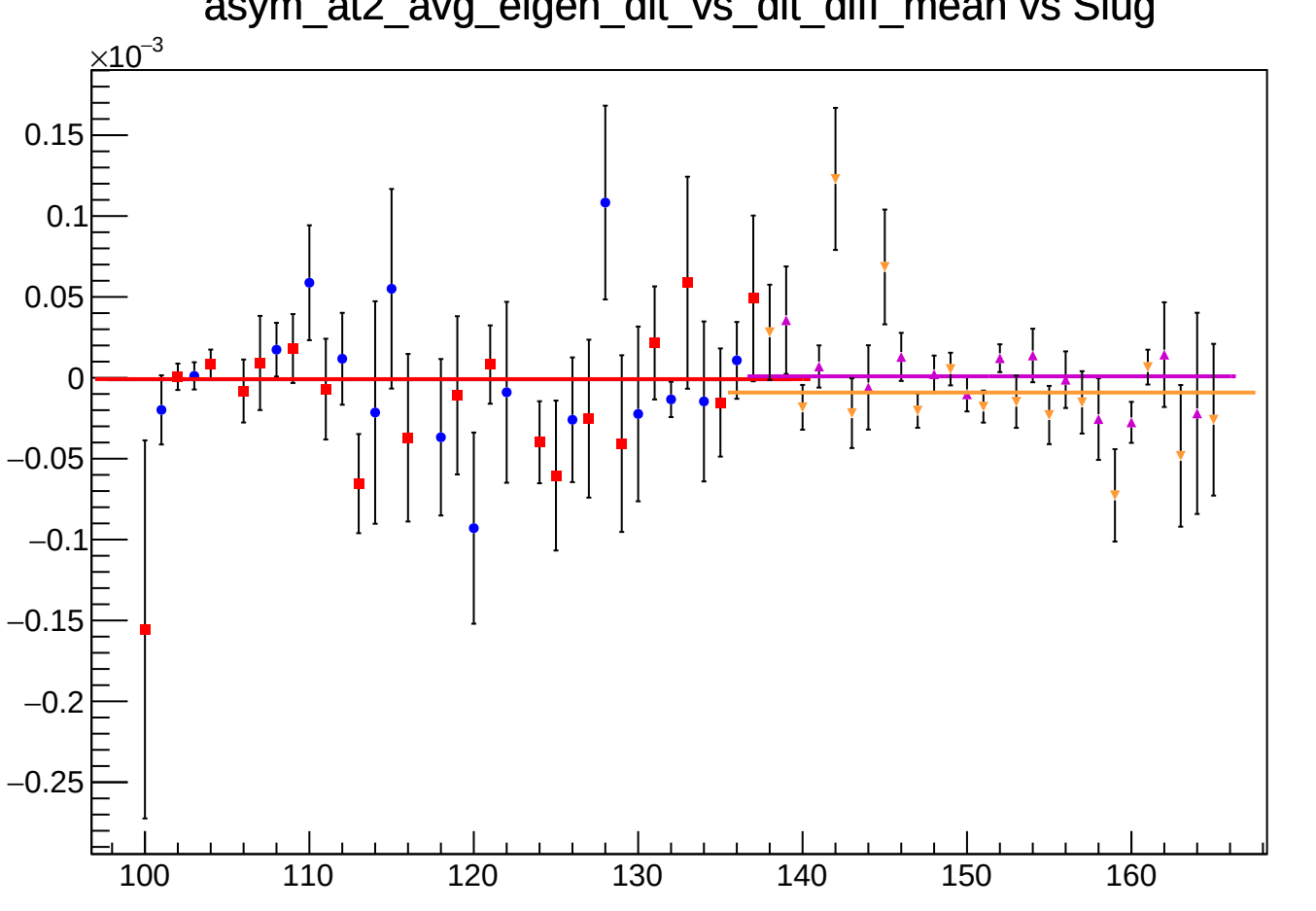
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 633.685+/-0.139 χ^2/NDF:650073.1/12

+ sign 404.576+/-0.074 χ^2/NDF: 7079510.5/30

All: 389.520+/-0.051 χ^2/NDF: 14340109.0/62

- sign 375.584+/-0.071 χ^2/NDF: 7180548.5/31



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.0/14

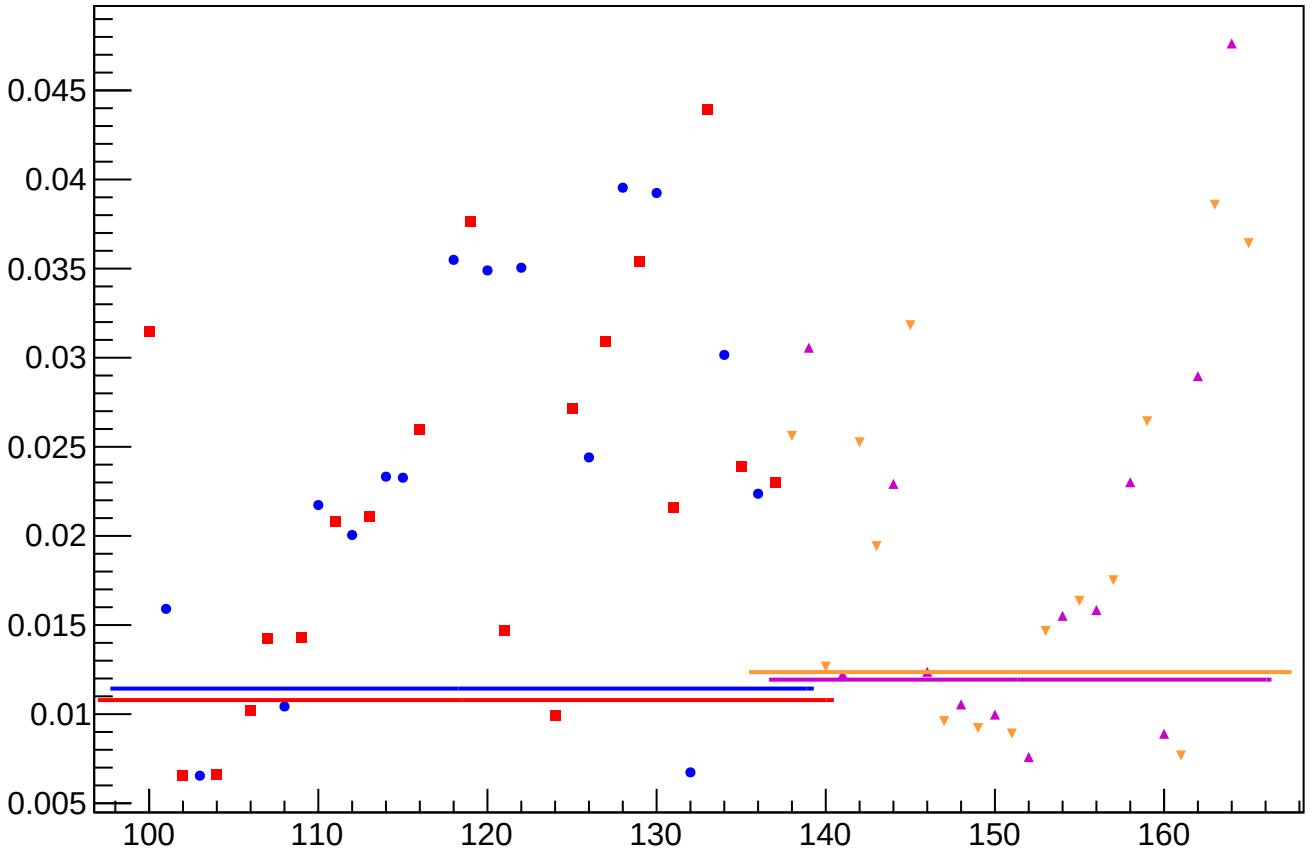
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/30

All: -0.000+/-0.000 χ^2/NDF: 75.0/62

- sign 0.000+/-0.000 χ^2/NDF: 28.1/31



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:4358091.6/14

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

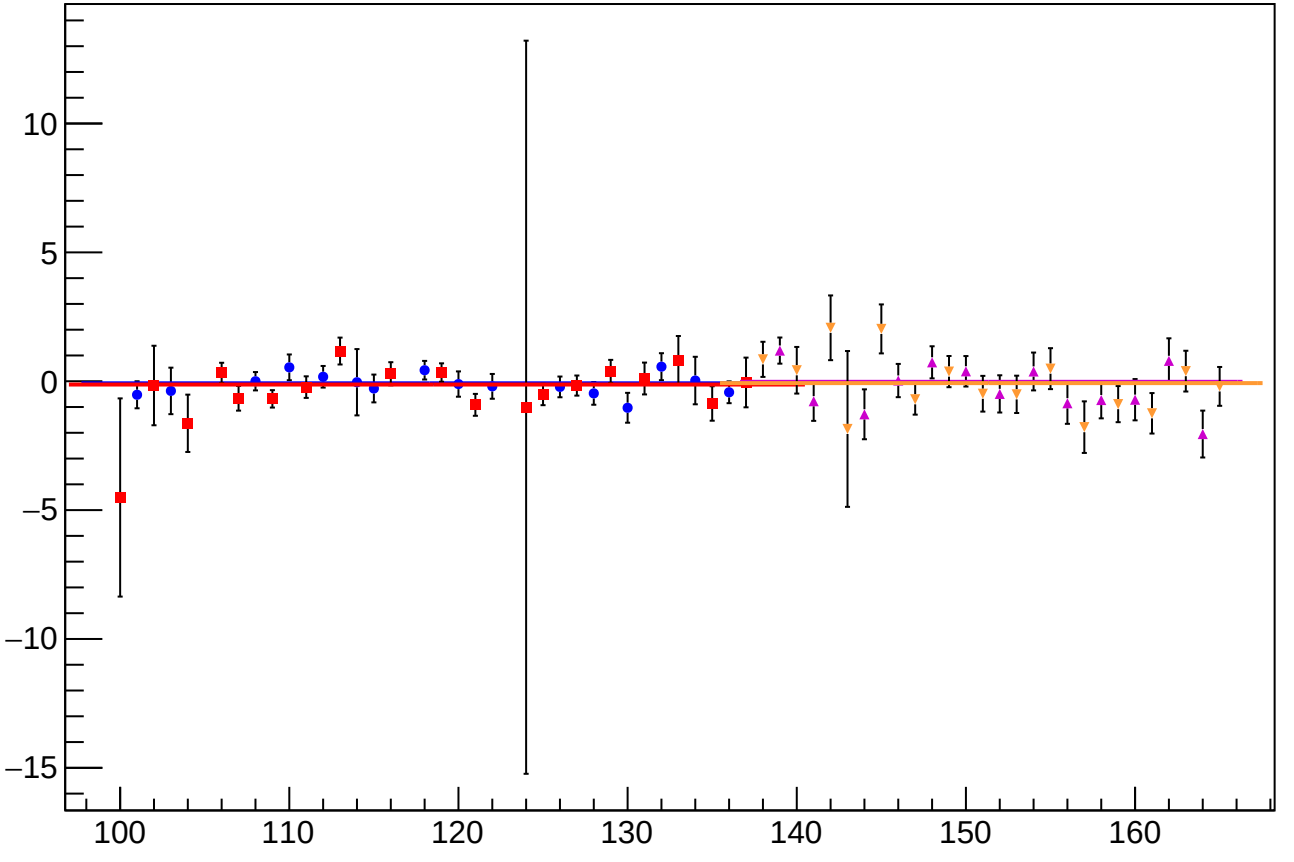
Left In: 0.012+/-0.000 χ^2/NDF:3498242.6/12

+ sign 0.012+/-0.000 χ^2/NDF: 9096000.6/30

All: 0.012+/-0.000 χ^2/NDF: 17163801.6/62

- sign 0.011+/-0.000 χ^2/NDF: 8036993.2/31

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

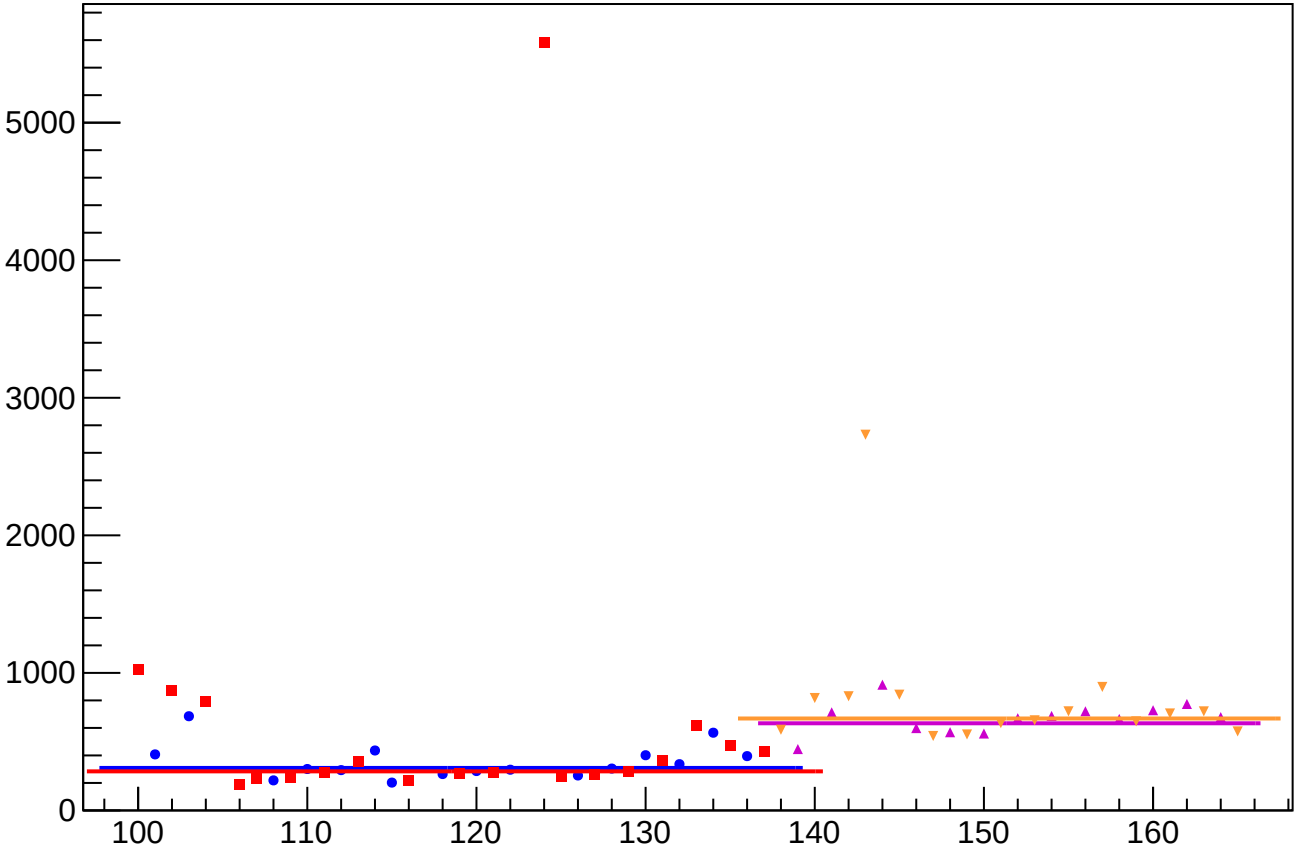
Left In: -0.023+/-0.196 χ^2/NDF:19.7/12

+ sign -0.078+/-0.104 χ^2/NDF: 30.8/30

All: -0.089+/-0.072 χ^2/NDF: 76.0/62

- sign -0.100+/-0.100 χ^2/NDF: 45.2/31

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: 668.530+/-0.143 χ^2/NDF:1443225.2/14

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

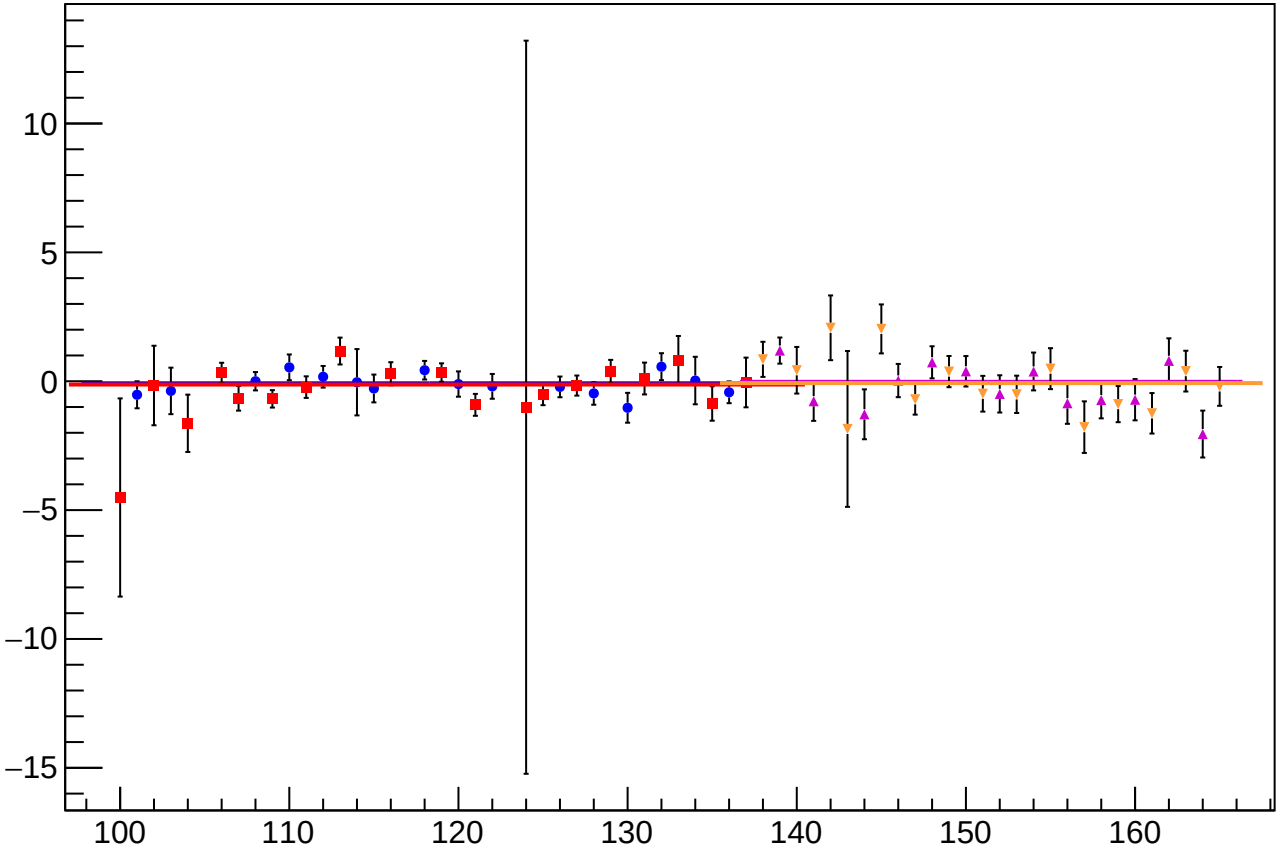
Left In: 633.695+/-0.139 χ^2/NDF:650064.0/12

+ sign 404.576+/-0.074 χ^2/NDF: 7079664.9/30

All: 389.519+/-0.051 χ^2/NDF: 14340417.9/62

- sign 375.584+/-0.071 χ^2/NDF: 7180703.5/31

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.072+/-0.203 χ^2/NDF:20.0/14

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

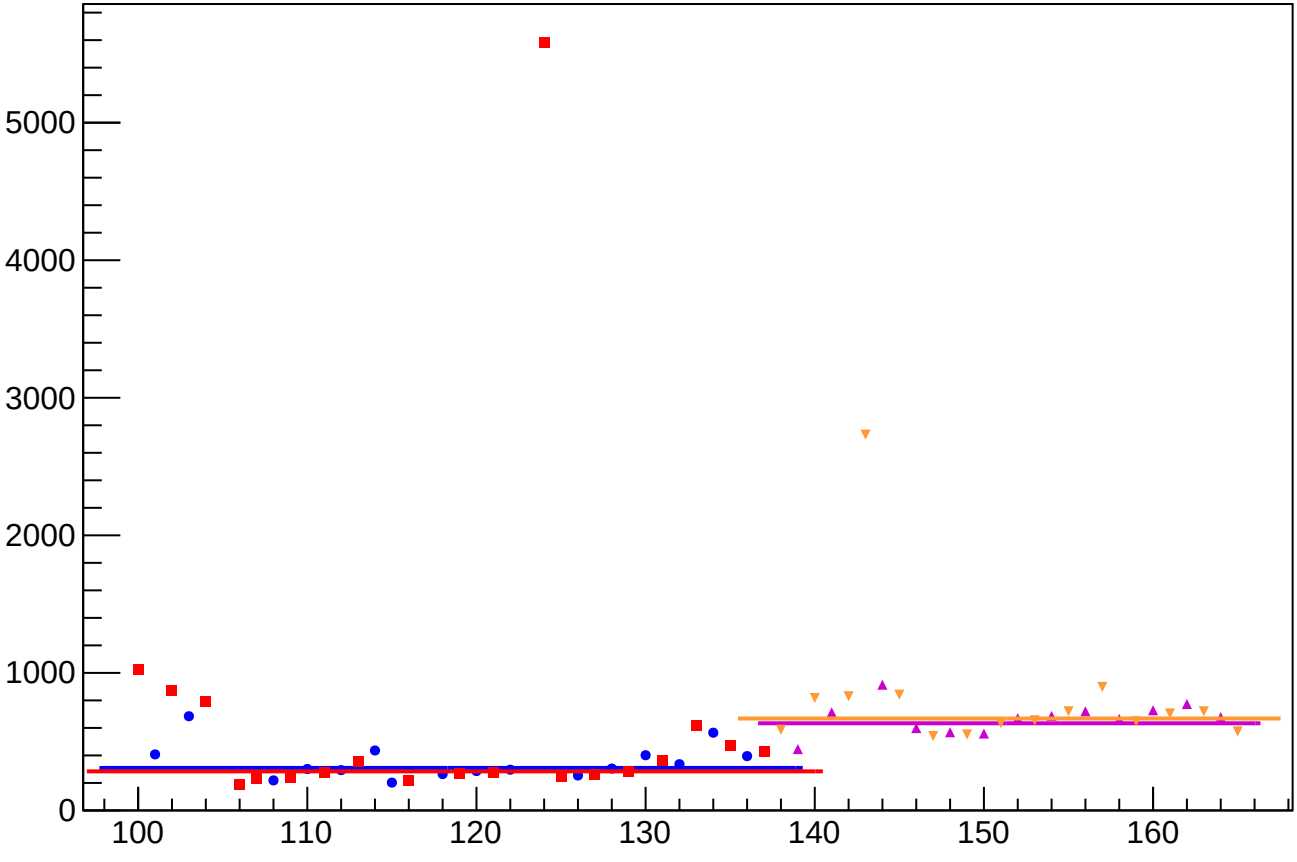
Left In: -0.023+/-0.196 χ^2/NDF:19.7/12

+ sign -0.078+/-0.104 χ^2/NDF: 30.8/30

All: -0.089+/-0.072 χ^2/NDF: 76.0/62

- sign -0.100+/-0.100 χ^2/NDF: 45.2/31

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 668.530+/-0.143 χ^2/NDF:1443225.2/14

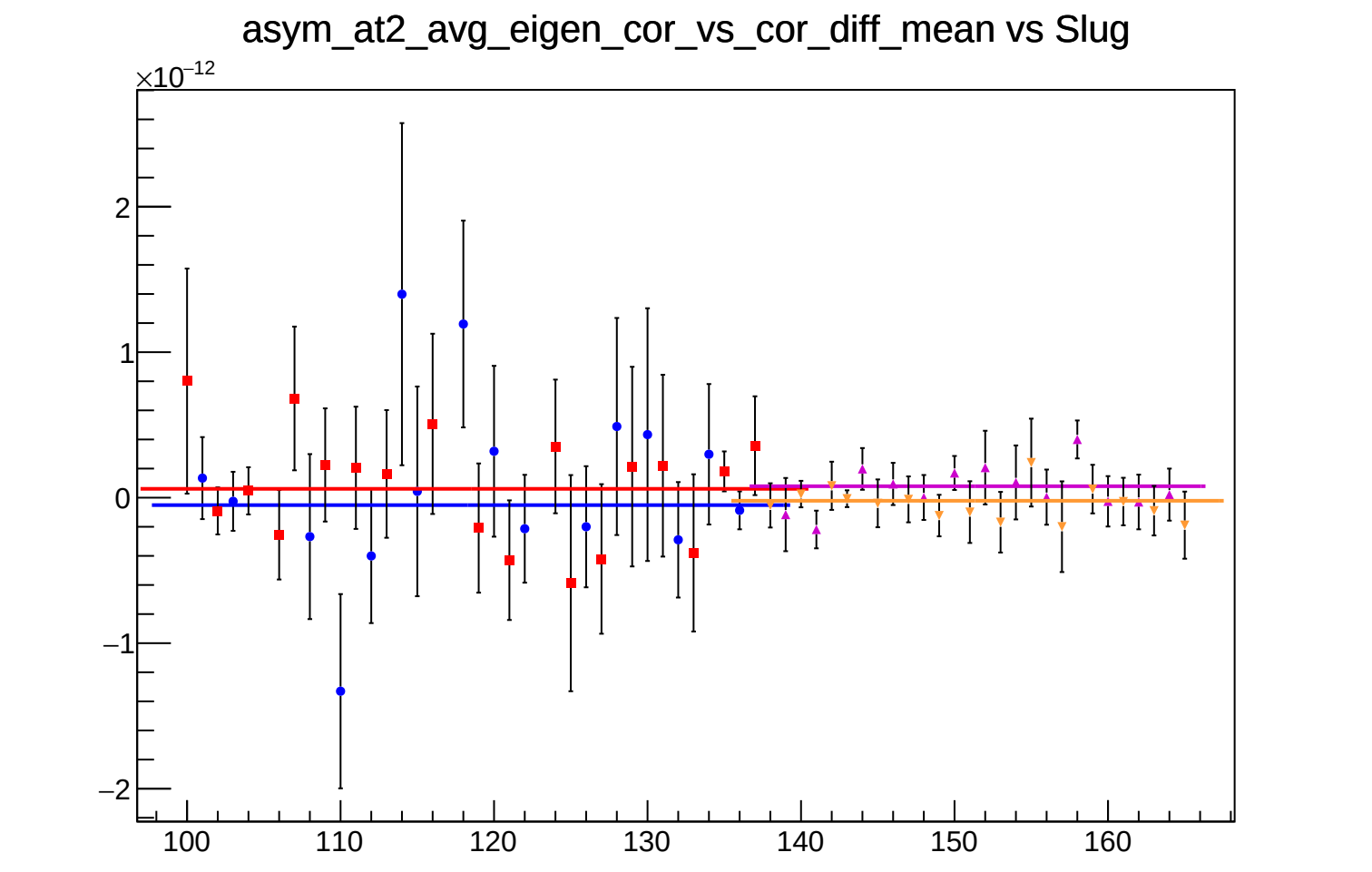
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 633.695+/-0.139 χ^2/NDF:650064.0/12

\+ sign 404.576+/-0.074 χ^2/NDF: 7079664.9/30

All: 389.519+/-0.051 χ^2/NDF: 14340417.9/62

\- sign 375.584+/-0.071 χ^2/NDF: 7180703.5/31



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/14

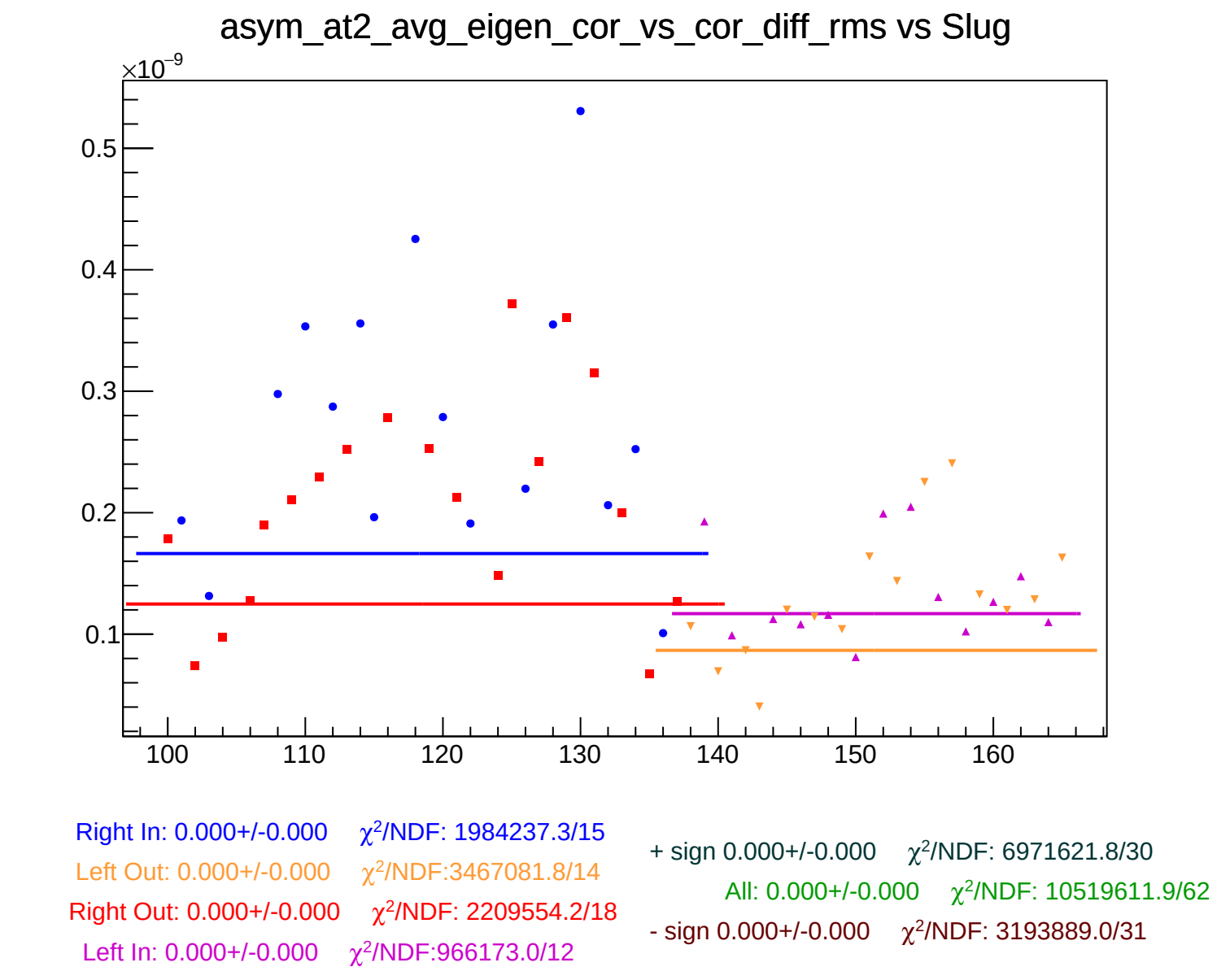
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

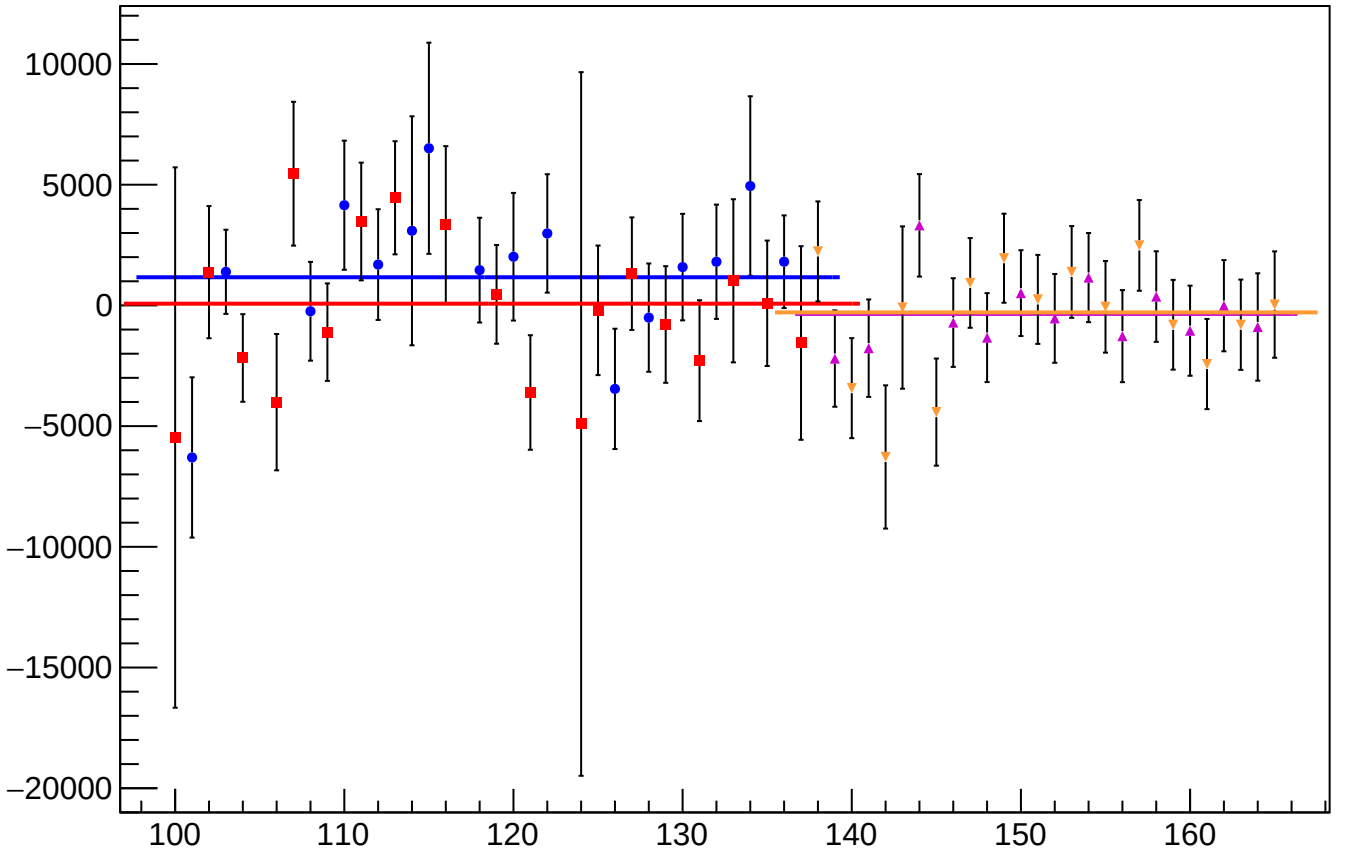
Left In: 0.000+/-0.000 χ^2/NDF:14.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 16.0/30

All: 0.000+/-0.000 χ^2/NDF: 46.2/62

- sign 0.000+/-0.000 χ^2/NDF: 26.2/31


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3467081.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:966173.0/12
+ sign 0.000+/-0.000 χ²/NDF: 6971621.8/30
All: 0.000+/-0.000 χ²/NDF: 10519611.9/62
- sign 0.000+/-0.000 χ²/NDF: 3193889.0/31



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -288.832+/-523.107 χ^2/NDF:17.8/14

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

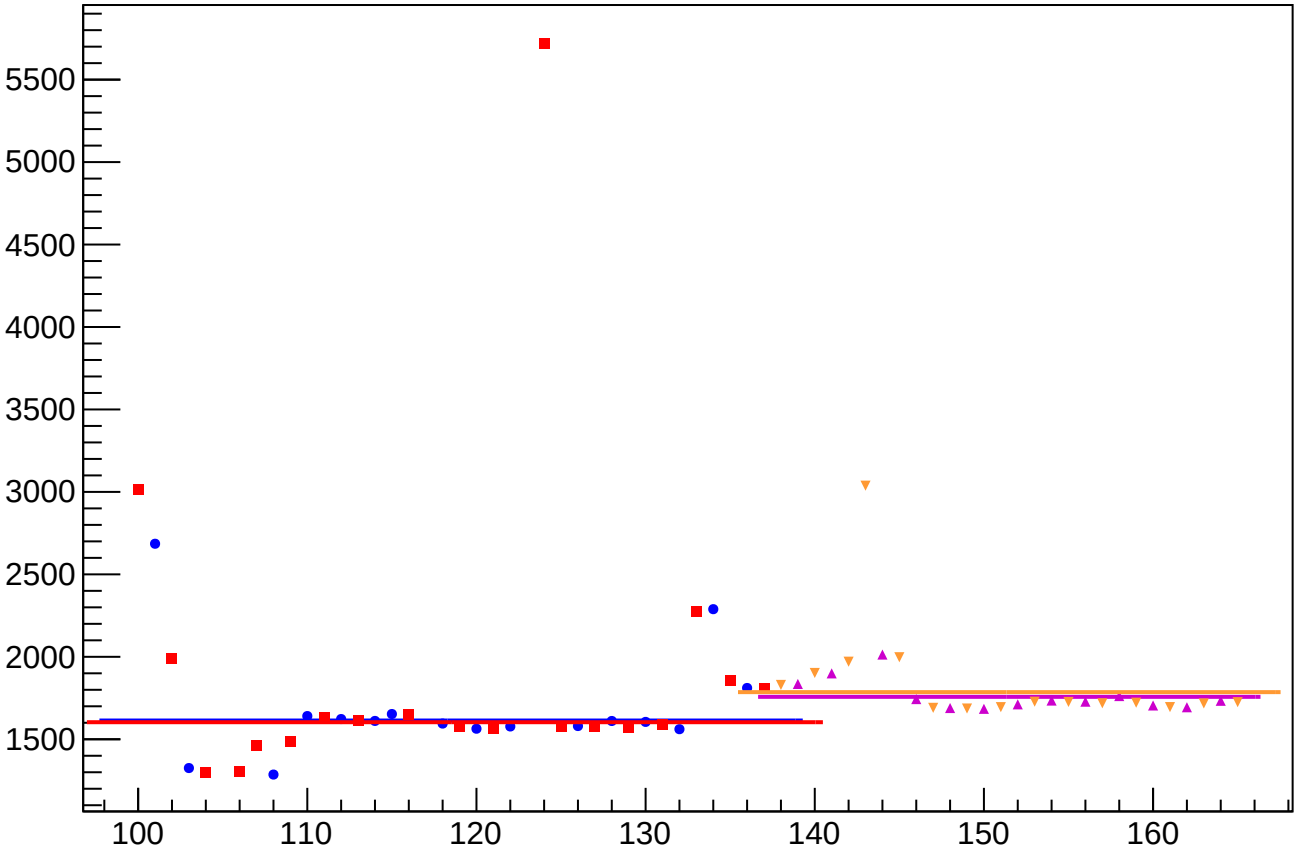
Left In: -351.145+/-531.255 χ^2/NDF:6.2/12

+ sign 329.003+/-396.863 χ^2/NDF: 35.5/30

All: 82.521+/-281.280 χ^2/NDF: 61.0/62

- sign -166.277+/-398.723 χ^2/NDF: 24.7/31

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1785.831+/-0.370 χ^2/NDF:344035.6/14

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

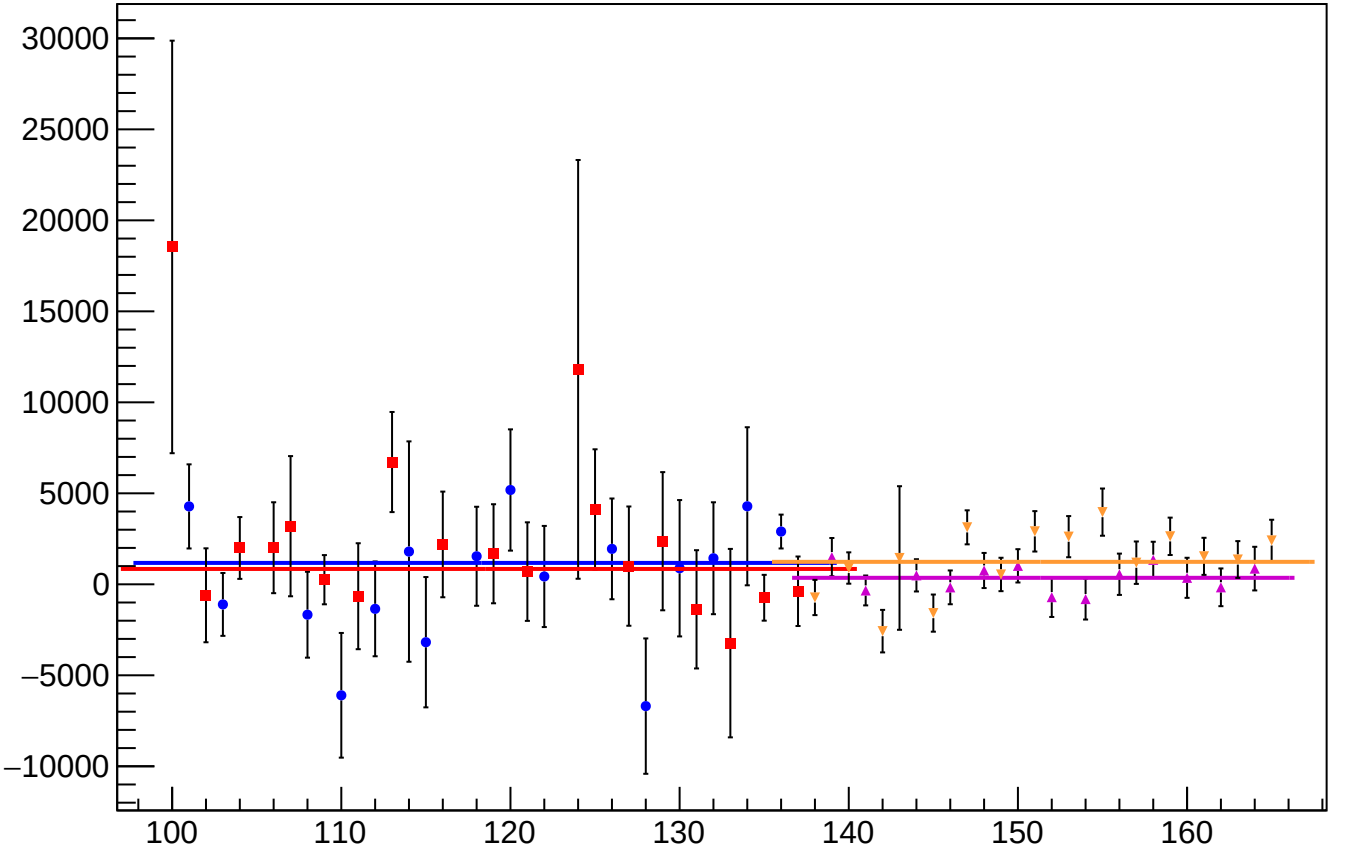
Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

+ sign 1712.763+/-0.281 χ^2/NDF: 840663.6/30

All: 1701.510+/-0.199 χ^2/NDF: 1397377.2/62

- sign 1690.151+/-0.282 χ^2/NDF: 553482.4/31

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1234.682+/-276.399 χ^2/NDF:38.4/14

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

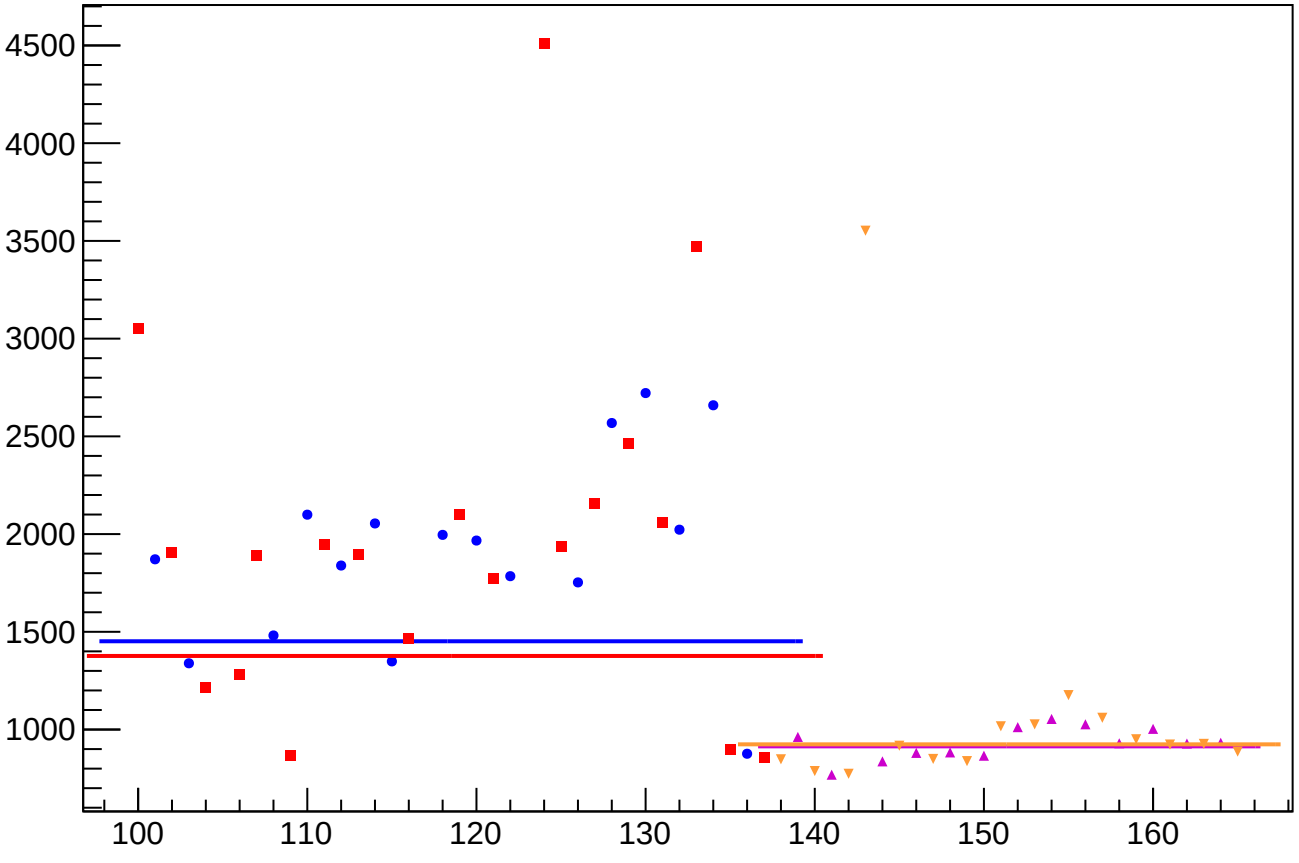
Left In: 356.406+/-277.676 χ^2/NDF:6.4/12

+ sign 1223.696+/-249.440 χ^2/NDF: 60.4/30

All: 837.122+/-176.064 χ^2/NDF: 86.5/62

- sign 453.312+/-248.547 χ^2/NDF: 21.3/31

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 924.271+/-0.195 χ^2/NDF:1150103.9/14

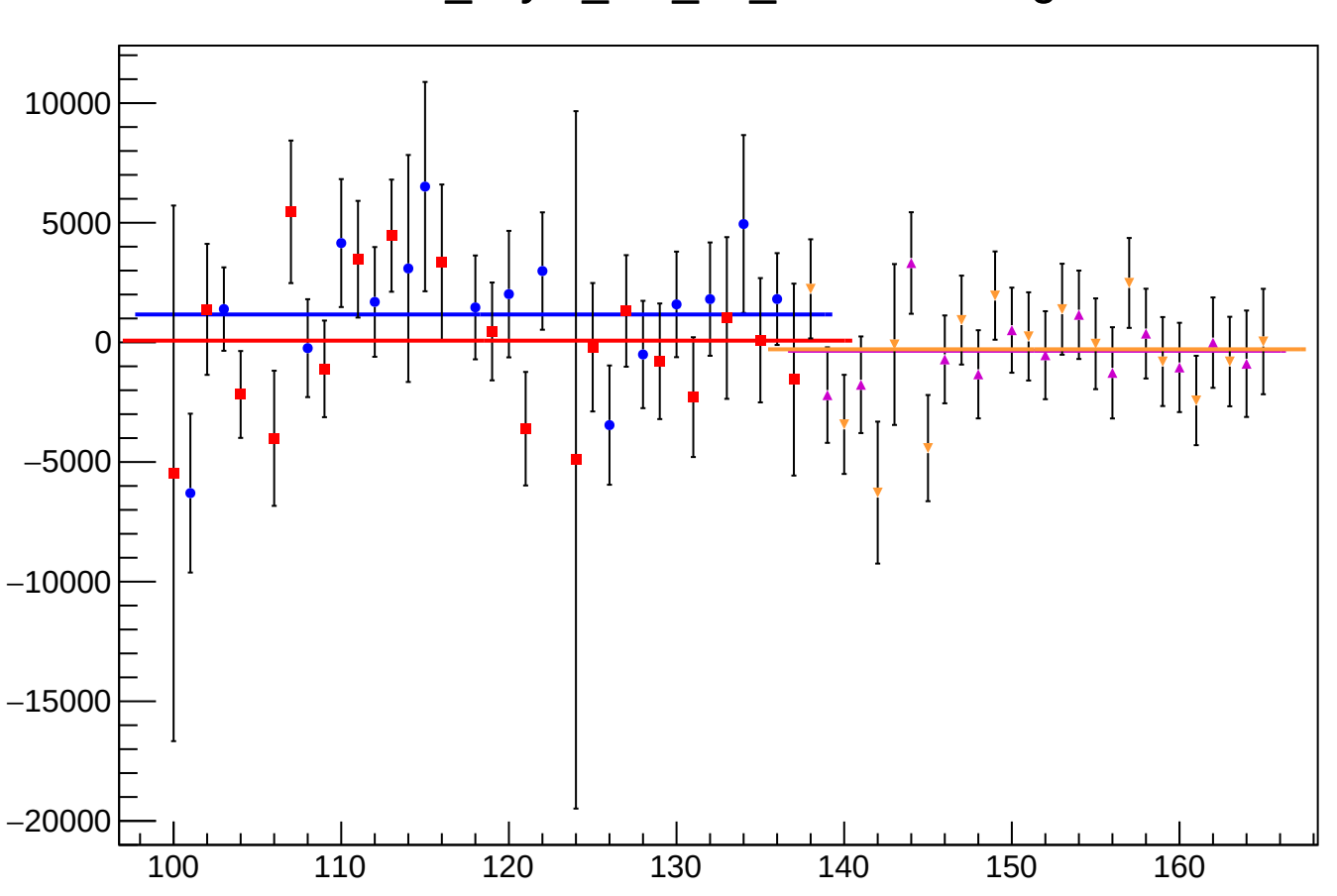
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 913.918+/-0.196 χ^2/NDF:173461.0/12

+ sign 1022.128+/-0.176 χ^2/NDF: 4291937.1/30

All: 1013.972+/-0.124 χ^2/NDF: 7705019.5/62

- sign 1005.874+/-0.176 χ^2/NDF: 3408821.4/31



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -289.016+/-523.107 χ^2/NDF:17.8/14

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

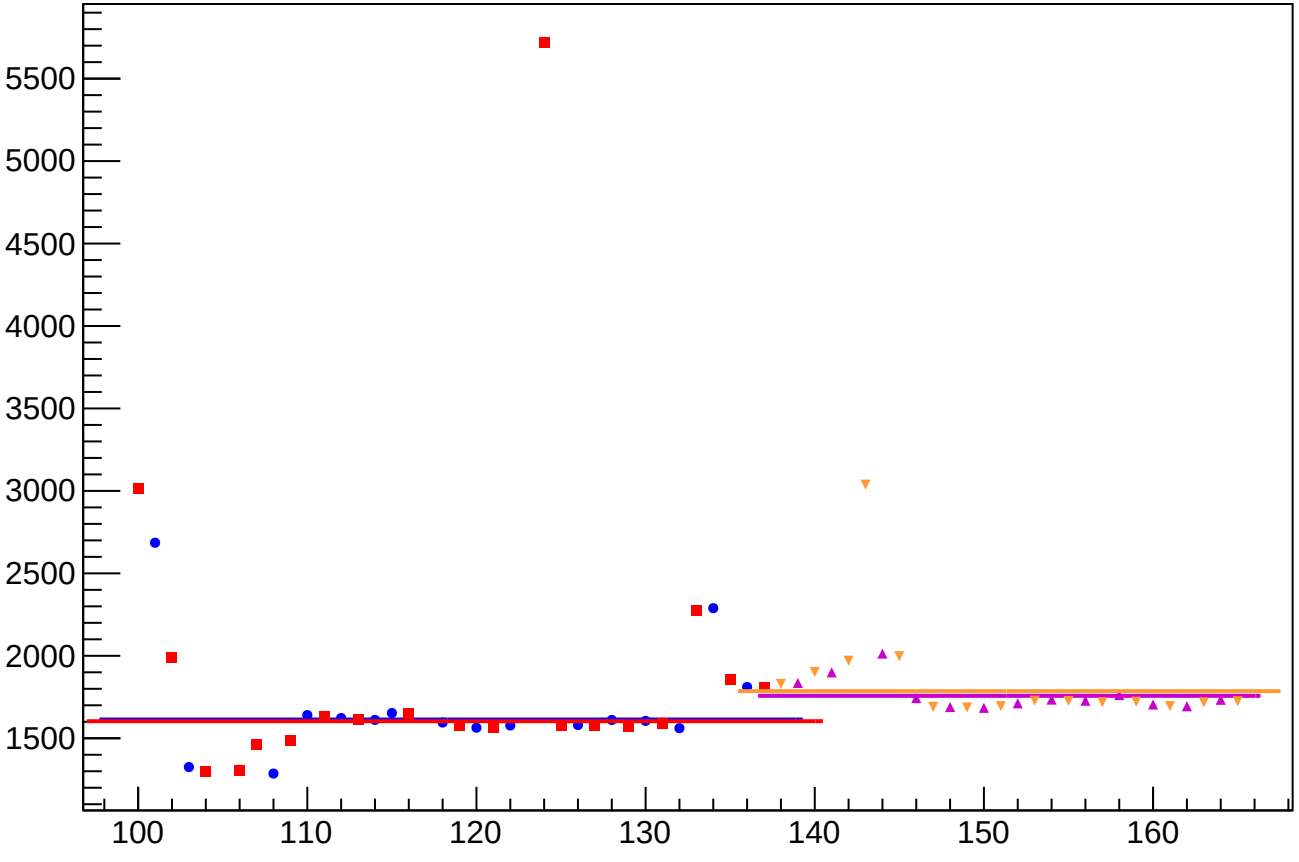
Left In: -351.073+/-531.255 χ^2/NDF:6.2/12

+ sign 328.858+/-396.863 χ^2/NDF: 35.5/30

All: 82.538+/-281.280 χ^2/NDF: 61.0/62

- sign -166.097+/-398.723 χ^2/NDF: 24.8/31

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1785.831+/-0.370 χ^2/NDF:344035.6/14

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

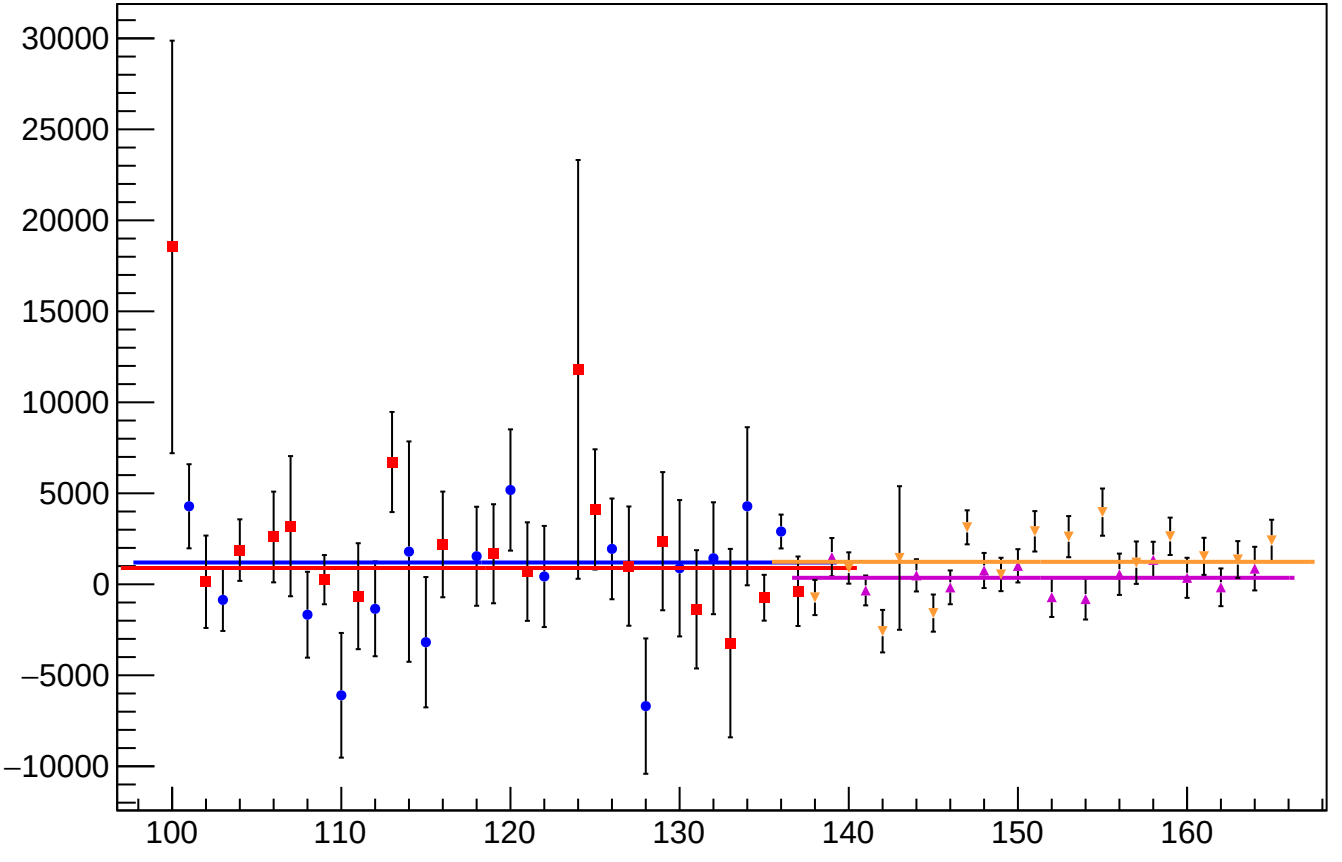
Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

+ sign 1712.763+/-0.281 χ^2/NDF: 840664.0/30

All: 1701.510+/-0.199 χ^2/NDF: 1397377.8/62

- sign 1690.151+/-0.282 χ^2/NDF: 553482.6/31

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1234.660+/-276.402 χ^2/NDF:38.4/14

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

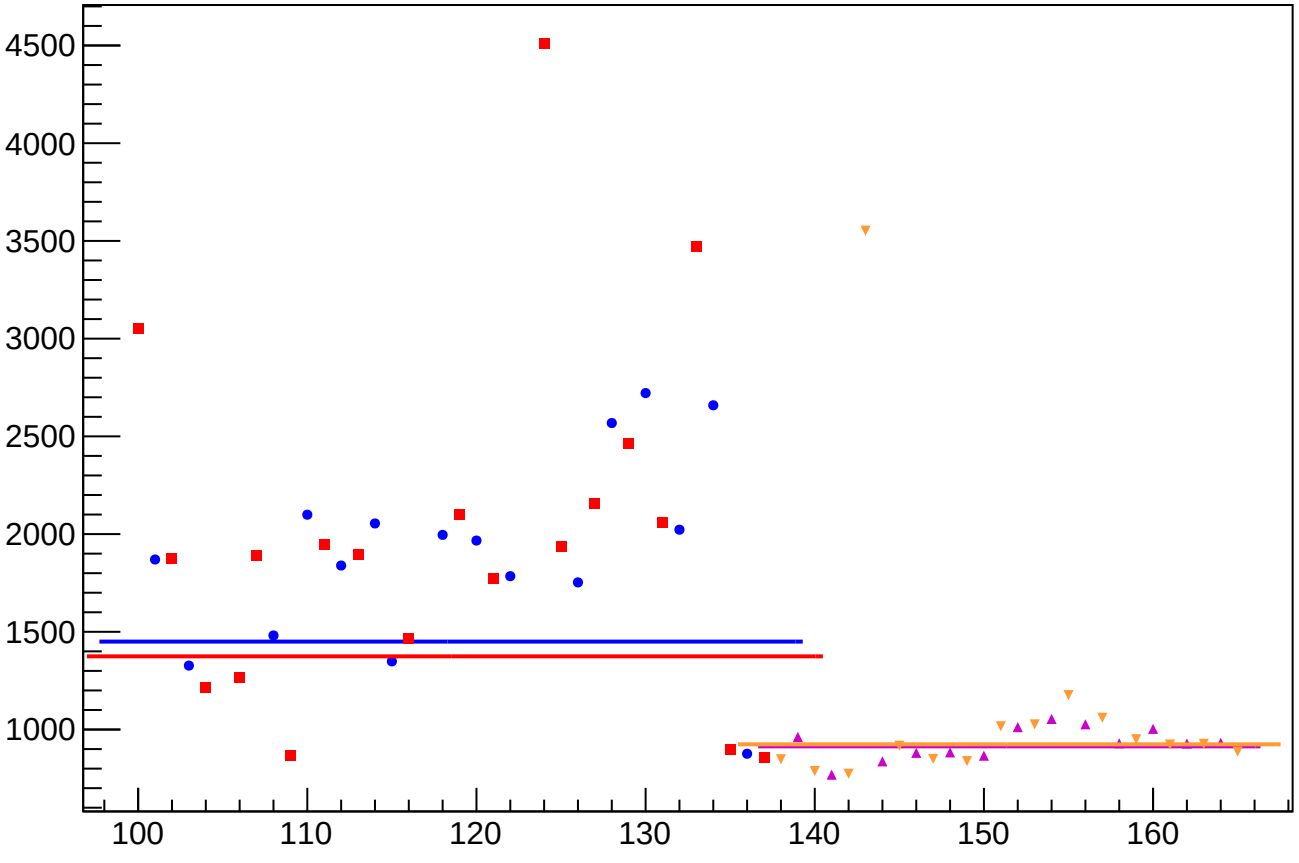
Left In: 356.350+/-277.676 χ^2/NDF:6.4/12

+ sign 1227.904+/-249.376 χ^2/NDF: 60.1/30

All: 844.456+/-176.017 χ^2/NDF: 86.2/62

- sign 463.765+/-248.478 χ^2/NDF: 21.4/31

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.282+/-0.195 χ^2/NDF:1150018.4/14

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

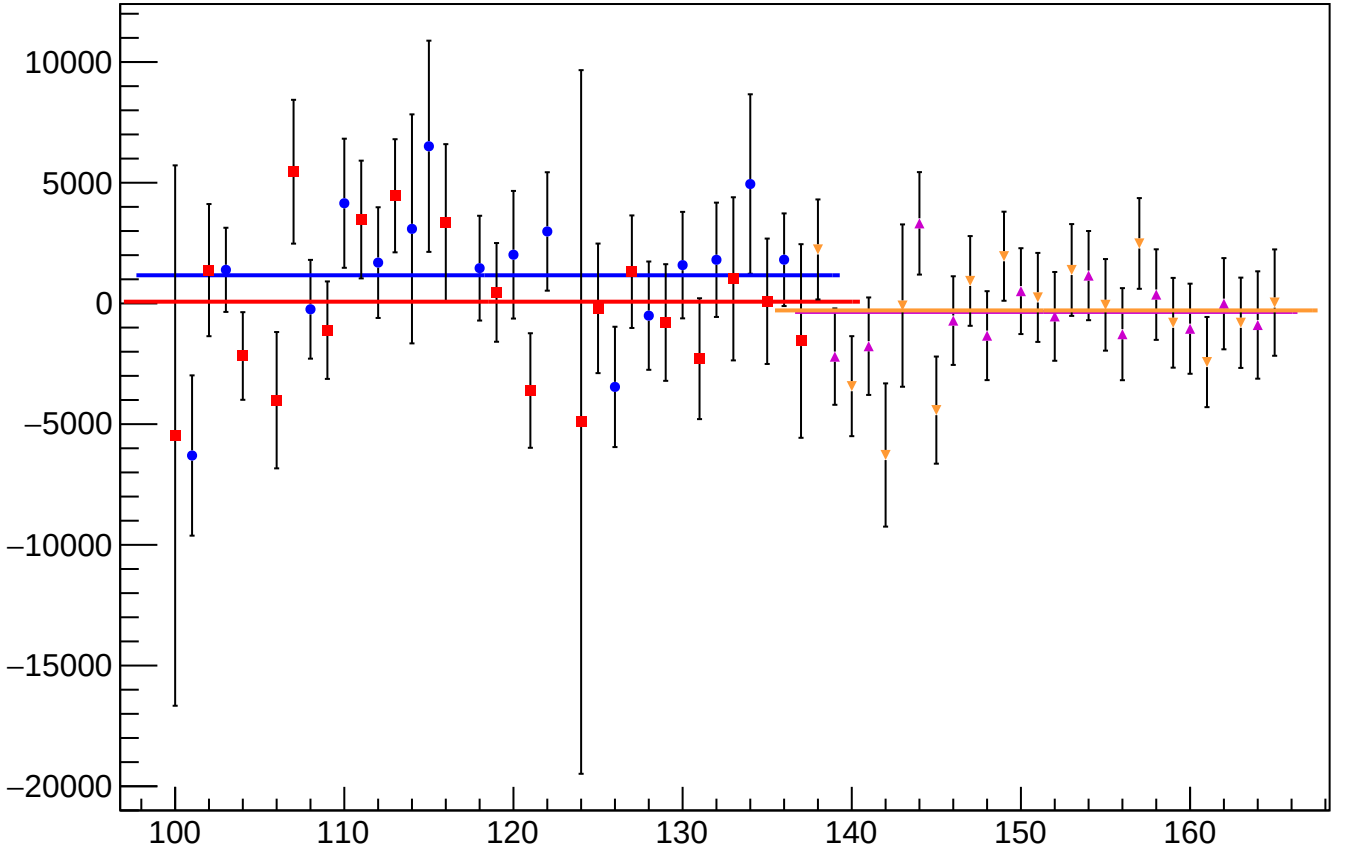
Left In: 913.916+/-0.196 χ^2/NDF:173499.4/12

+ sign 1022.050+/-0.176 χ^2/NDF: 4288074.6/30

All: 1013.832+/-0.124 χ^2/NDF: 7689672.1/62

- sign 1005.672+/-0.176 χ^2/NDF: 3397268.9/31

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -289.016+/-523.107 χ^2/NDF:17.8/14

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

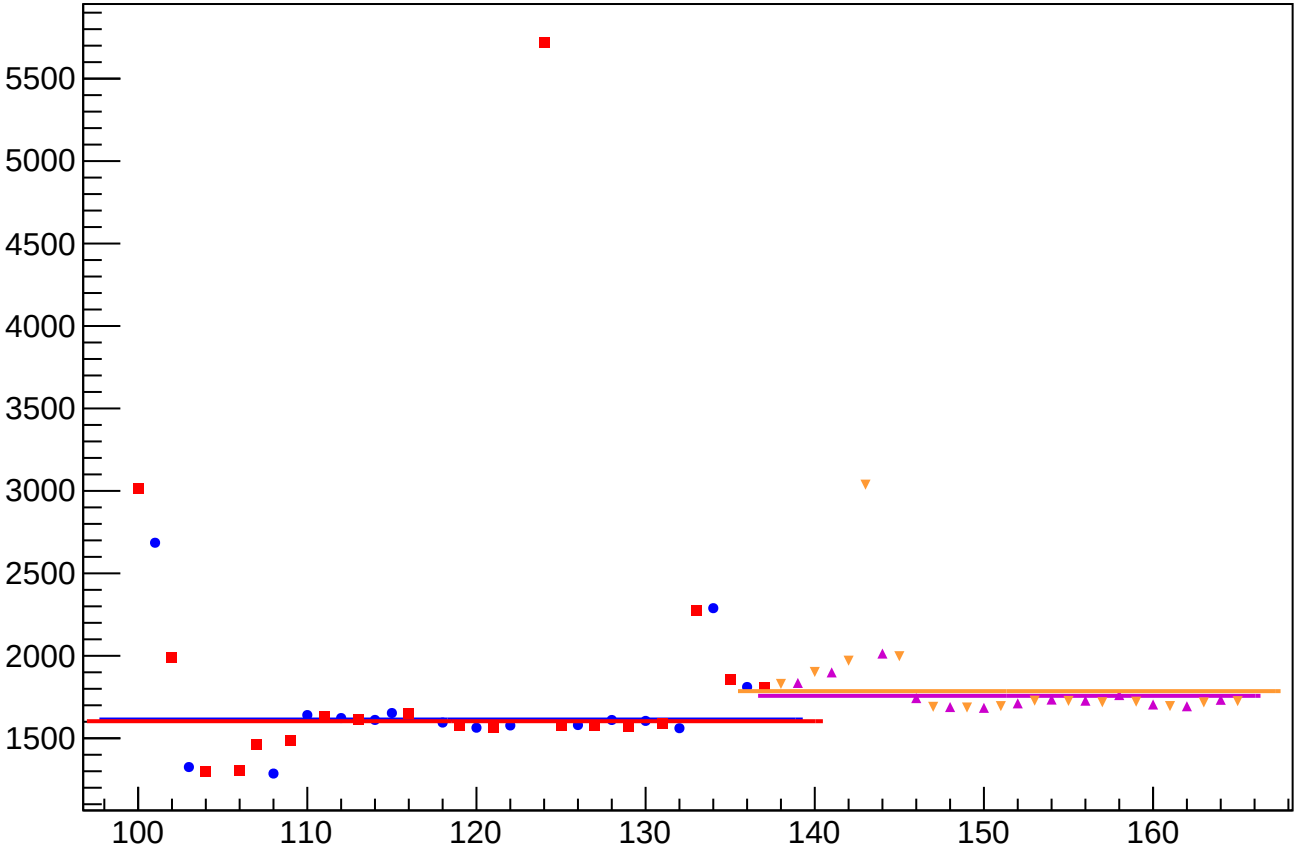
Left In: -351.073+/-531.255 χ^2/NDF:6.2/12

+ sign 328.858+/-396.863 χ^2/NDF: 35.5/30

All: 82.538+/-281.280 χ^2/NDF: 61.0/62

- sign -166.097+/-398.723 χ^2/NDF: 24.8/31

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1785.831+/-0.370 χ^2/NDF:344035.6/14

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

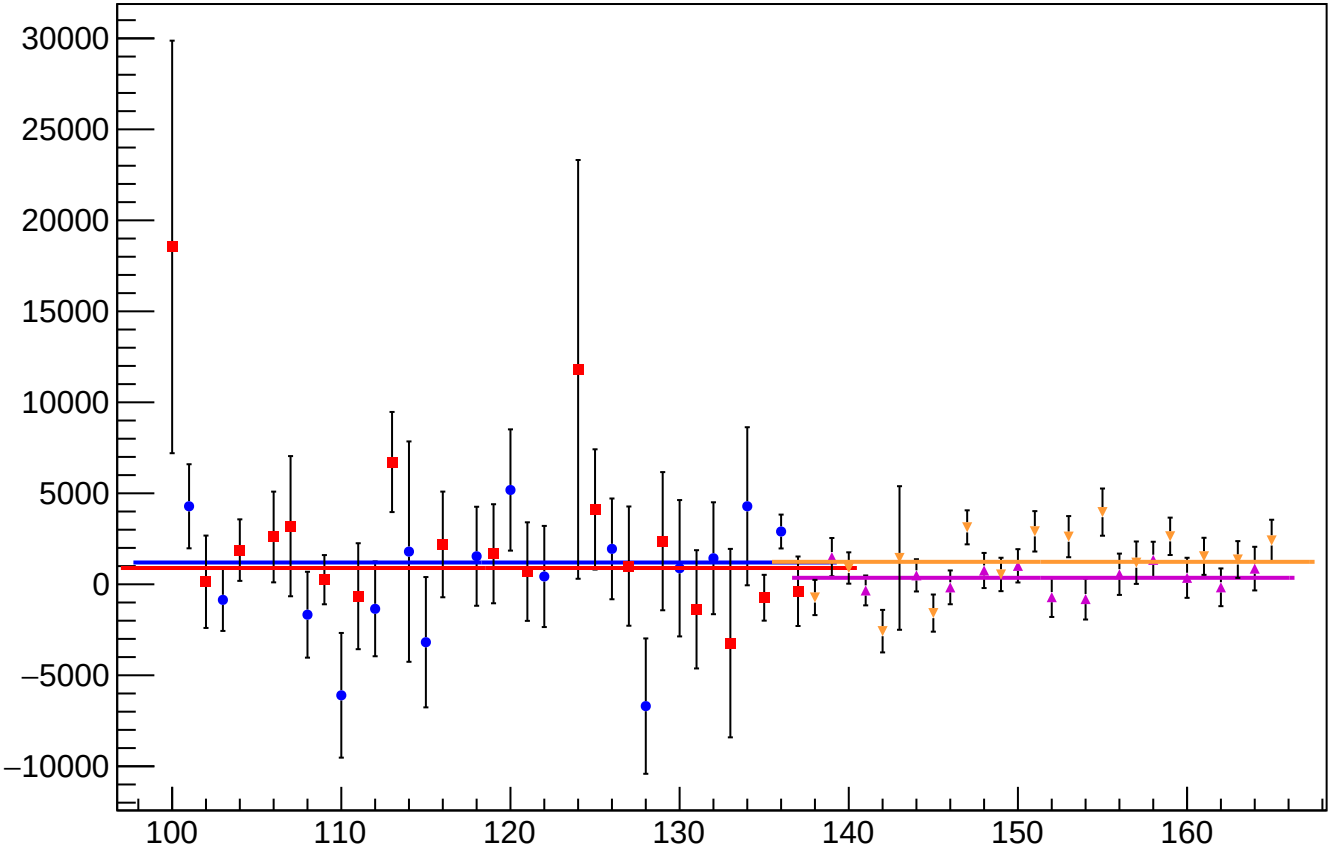
Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

+ sign 1712.763+/-0.281 χ^2/NDF: 840664.0/30

All: 1701.510+/-0.199 χ^2/NDF: 1397377.8/62

- sign 1690.151+/-0.282 χ^2/NDF: 553482.6/31

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1234.660+/-276.402 χ^2/NDF:38.4/14

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

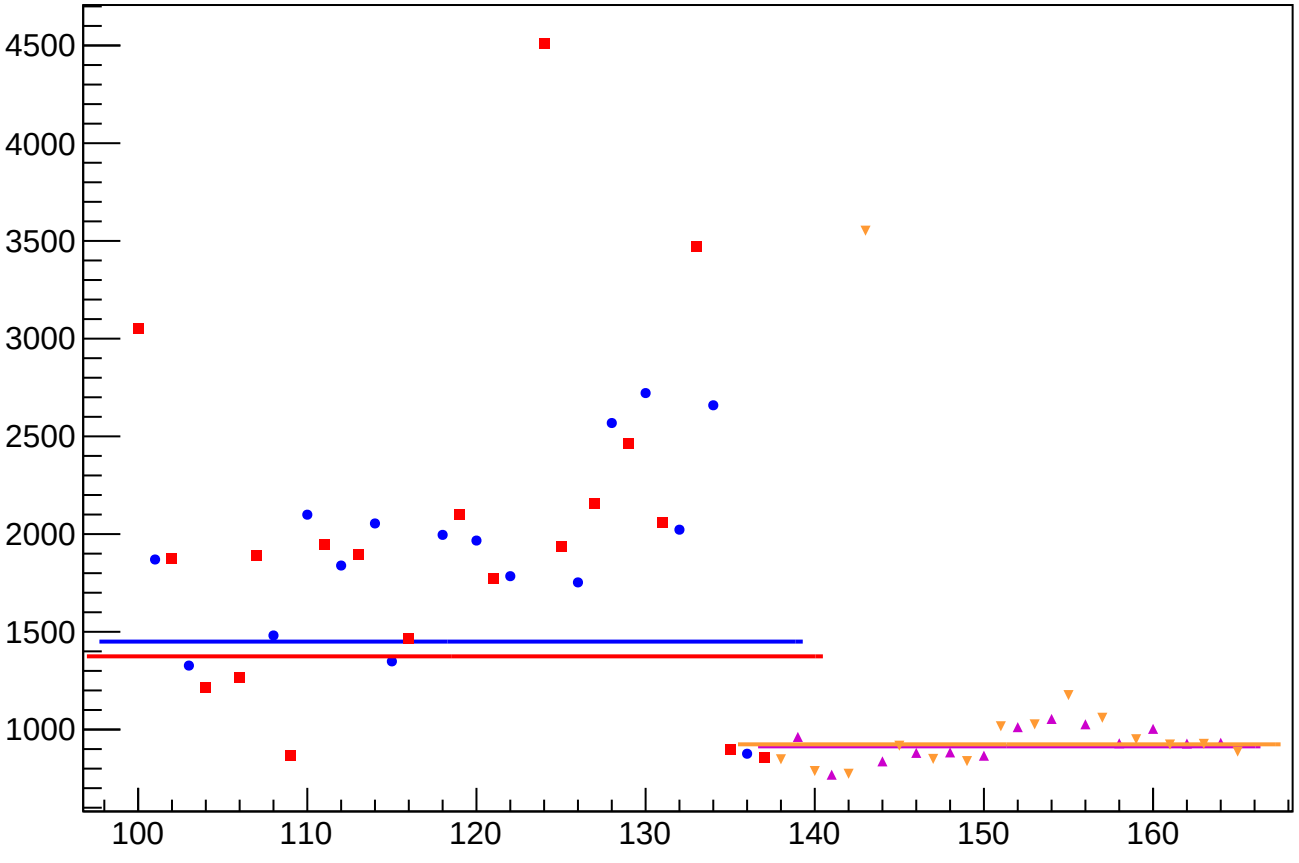
Left In: 356.350+/-277.676 χ^2/NDF:6.4/12

\+ sign 1227.904+/-249.376 χ^2/NDF: 60.1/30

All: 844.456+/-176.017 χ^2/NDF: 86.2/62

\- sign 463.765+/-248.478 χ^2/NDF: 21.4/31

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.282+/-0.195 χ^2/NDF:1150018.4/14

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

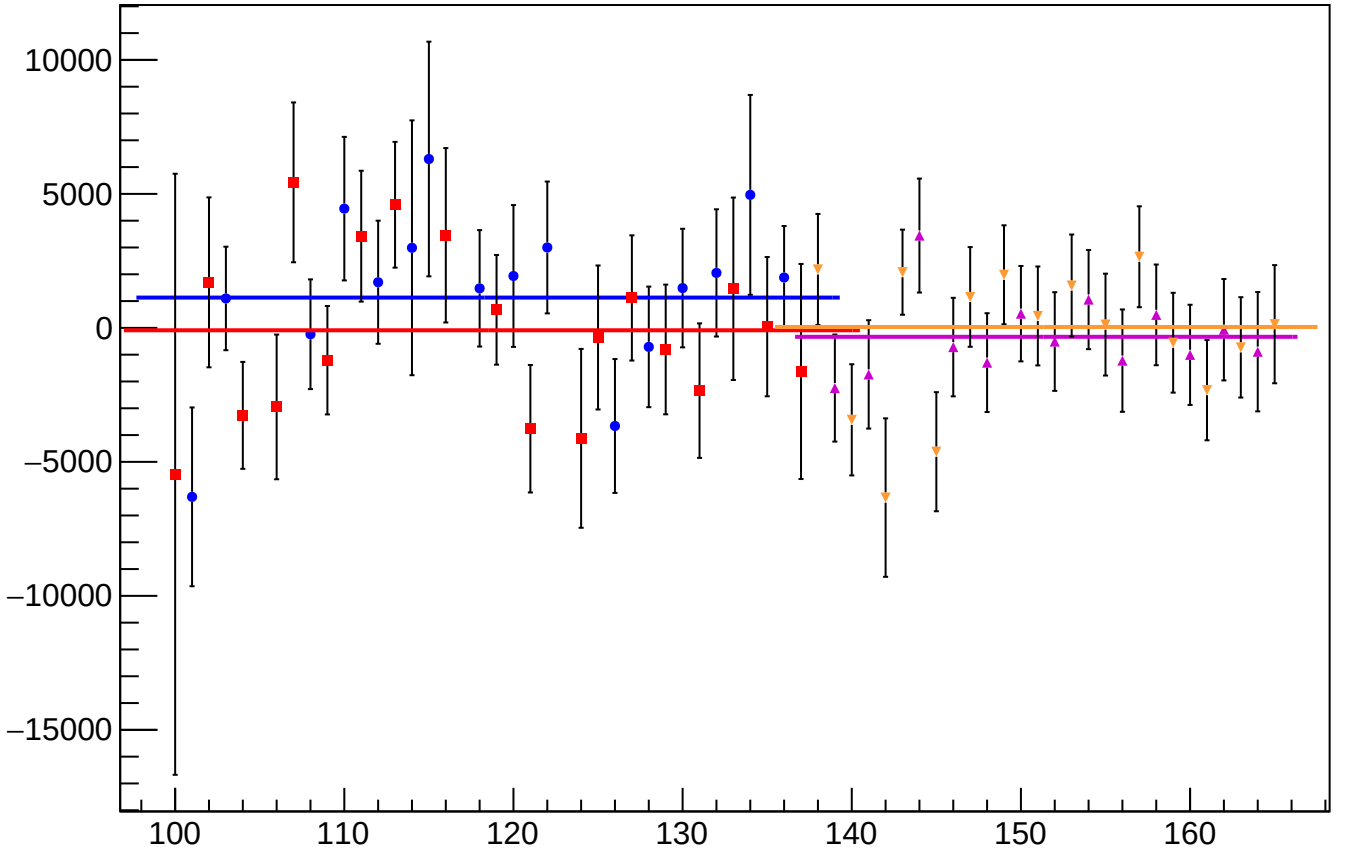
Left In: 913.916+/-0.196 χ^2/NDF:173499.4/12

+ sign 1022.050+/-0.176 χ^2/NDF: 4288074.6/30

All: 1013.832+/-0.124 χ^2/NDF: 7689672.1/62

- sign 1005.672+/-0.176 χ^2/NDF: 3397268.9/31

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 33.902+/-502.887 χ^2/NDF:20.5/14

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

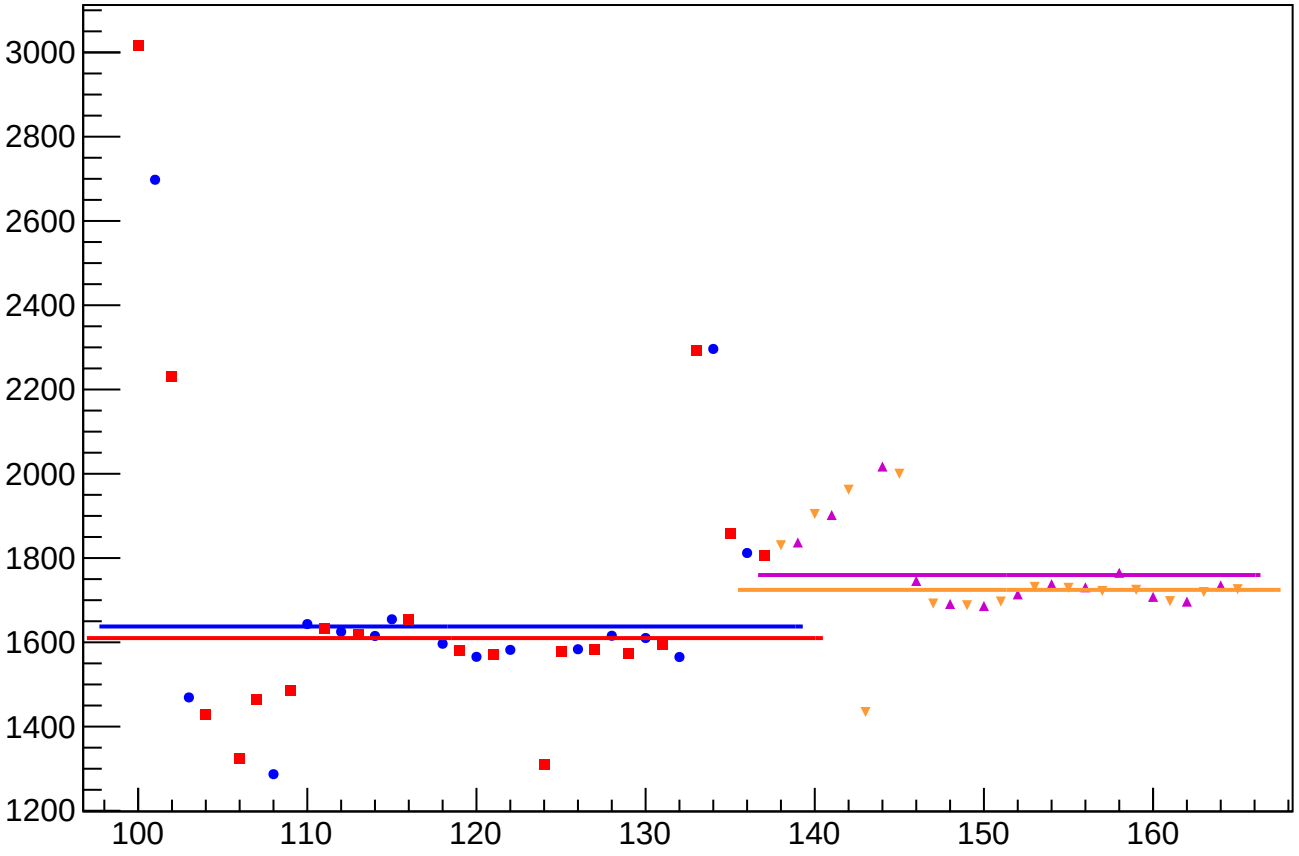
Left In: -333.062+/-531.966 χ^2/NDF:6.3/12

+ sign 471.498+/-389.870 χ^2/NDF: 37.4/30

All: 130.593+/-278.831 χ^2/NDF: 66.1/62

- sign -226.357+/-398.939 χ^2/NDF: 27.1/31

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1724.498+/-0.356 χ^2/NDF:132942.7/14

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

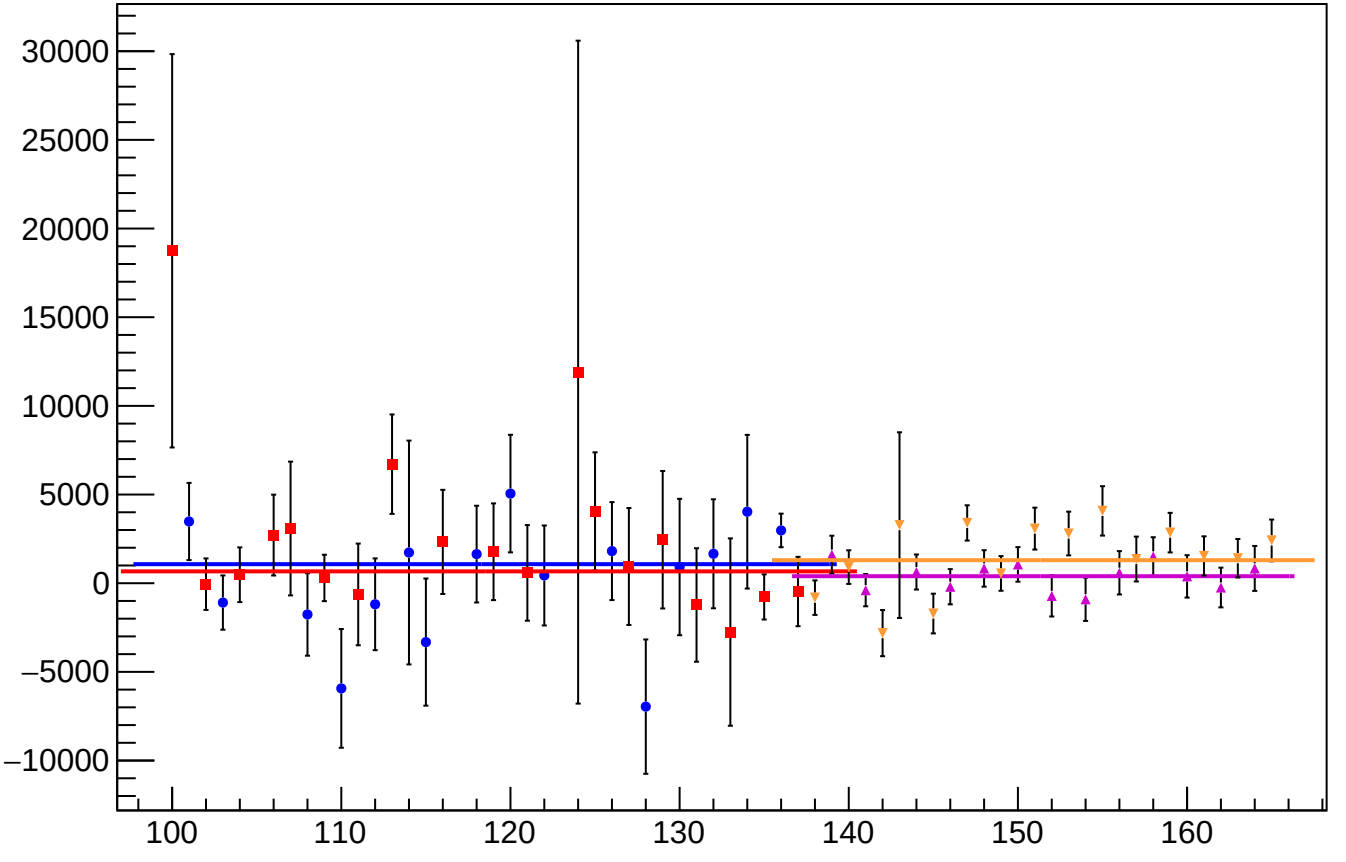
Left In: 1759.694+/-0.376 χ^2/NDF:54565.6/12

+ sign 1689.818+/-0.276 χ^2/NDF: 518199.7/30

All: 1691.962+/-0.197 χ^2/NDF: 922964.2/62

- sign 1694.207+/-0.282 χ^2/NDF: 404640.6/31

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1298.217+/-296.747 χ^2/NDF:37.9/14

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

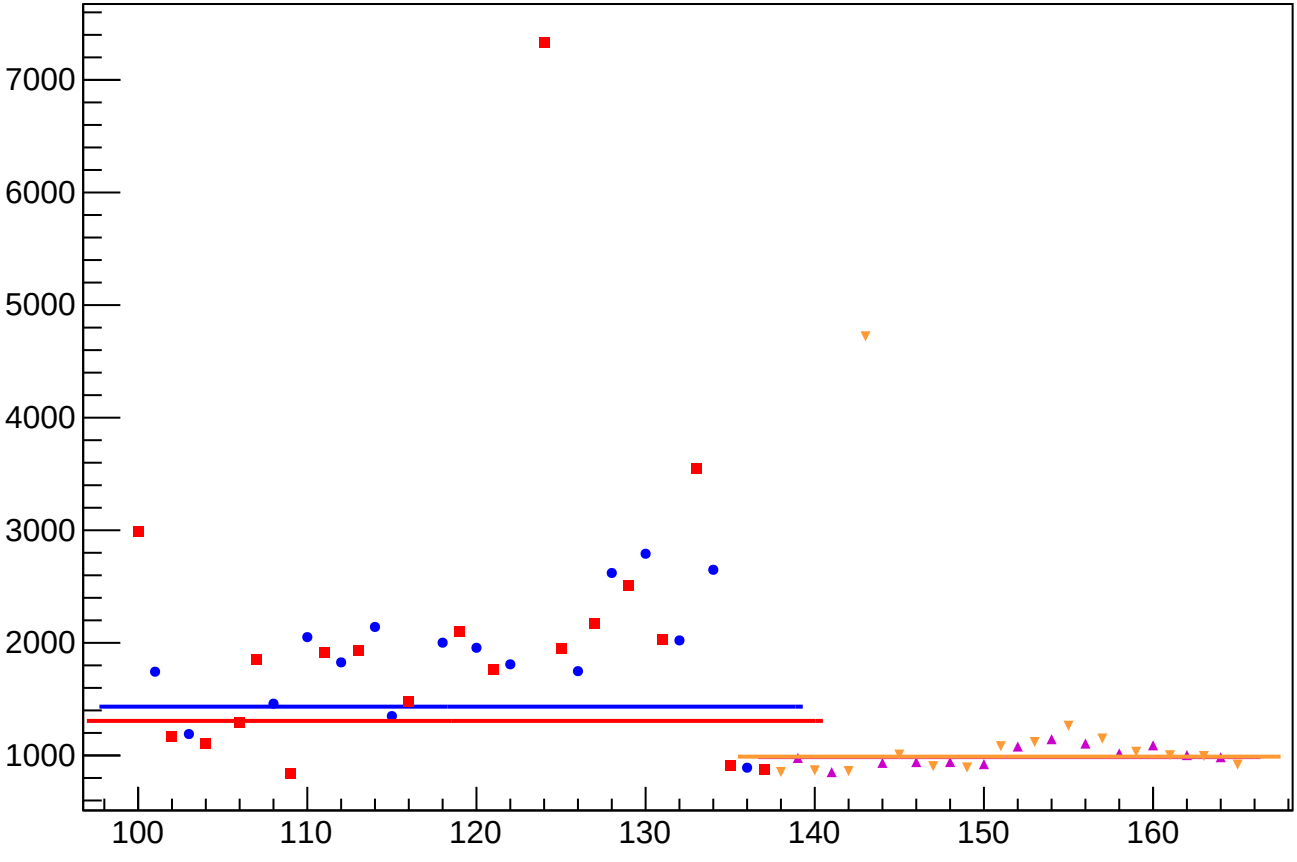
Left In: 394.831+/-299.191 χ^2/NDF:6.7/12

+ sign 1250.532+/-263.371 χ^2/NDF: 60.1/30

All: 850.838+/-184.941 χ^2/NDF: 85.0/62

- sign 462.038+/-259.757 χ^2/NDF: 20.4/31

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 989.460+/-0.210 χ^2/NDF:1298216.9/14

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

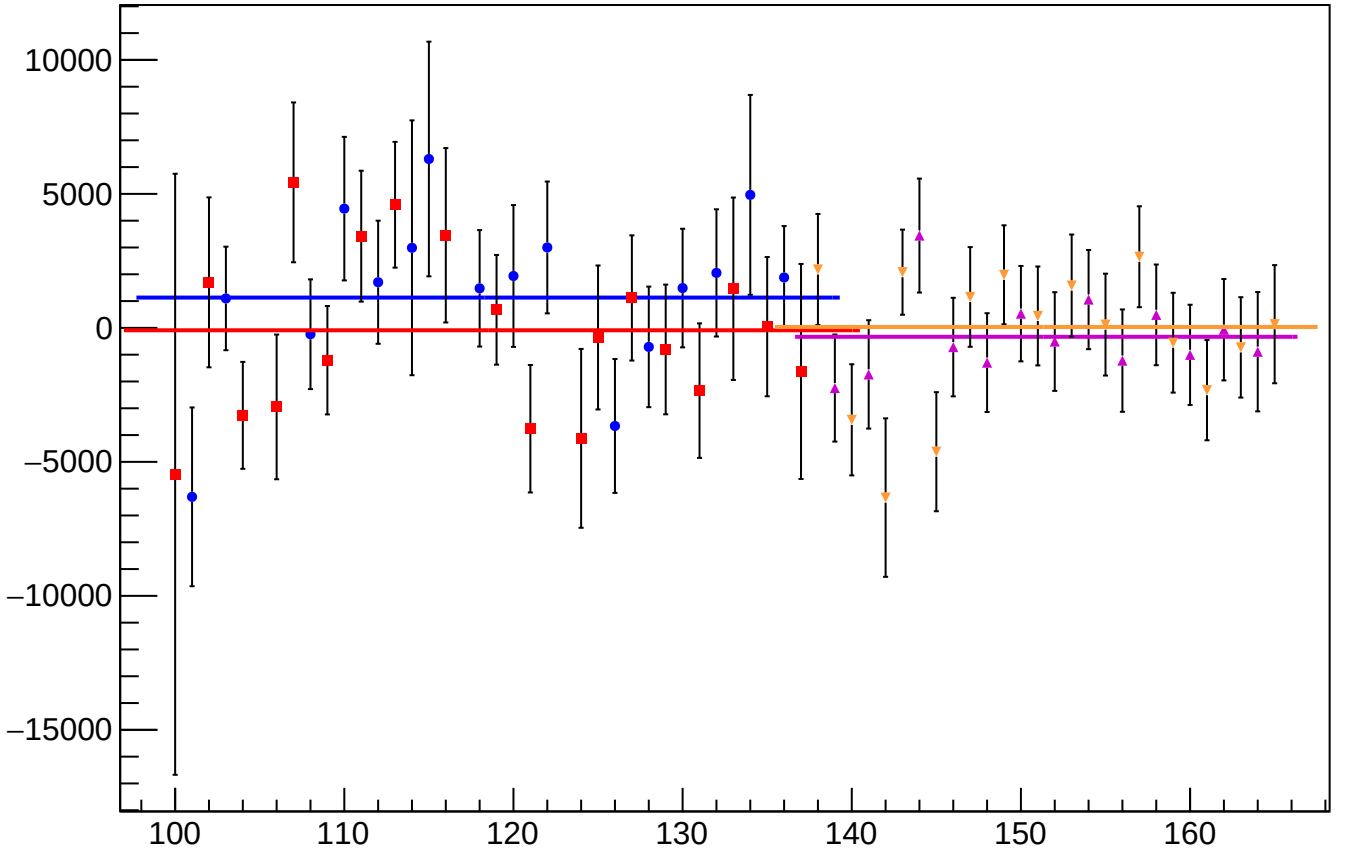
Left In: 985.339+/-0.212 χ^2/NDF:148288.8/12

+ sign 1083.723+/-0.186 χ^2/NDF: 4012300.7/30

All: 1073.983+/-0.131 χ^2/NDF: 6918625.6/62

- sign 1064.509+/-0.184 χ^2/NDF: 2900929.1/31

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 33.894+/-502.887 χ^2/NDF:20.5/14

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

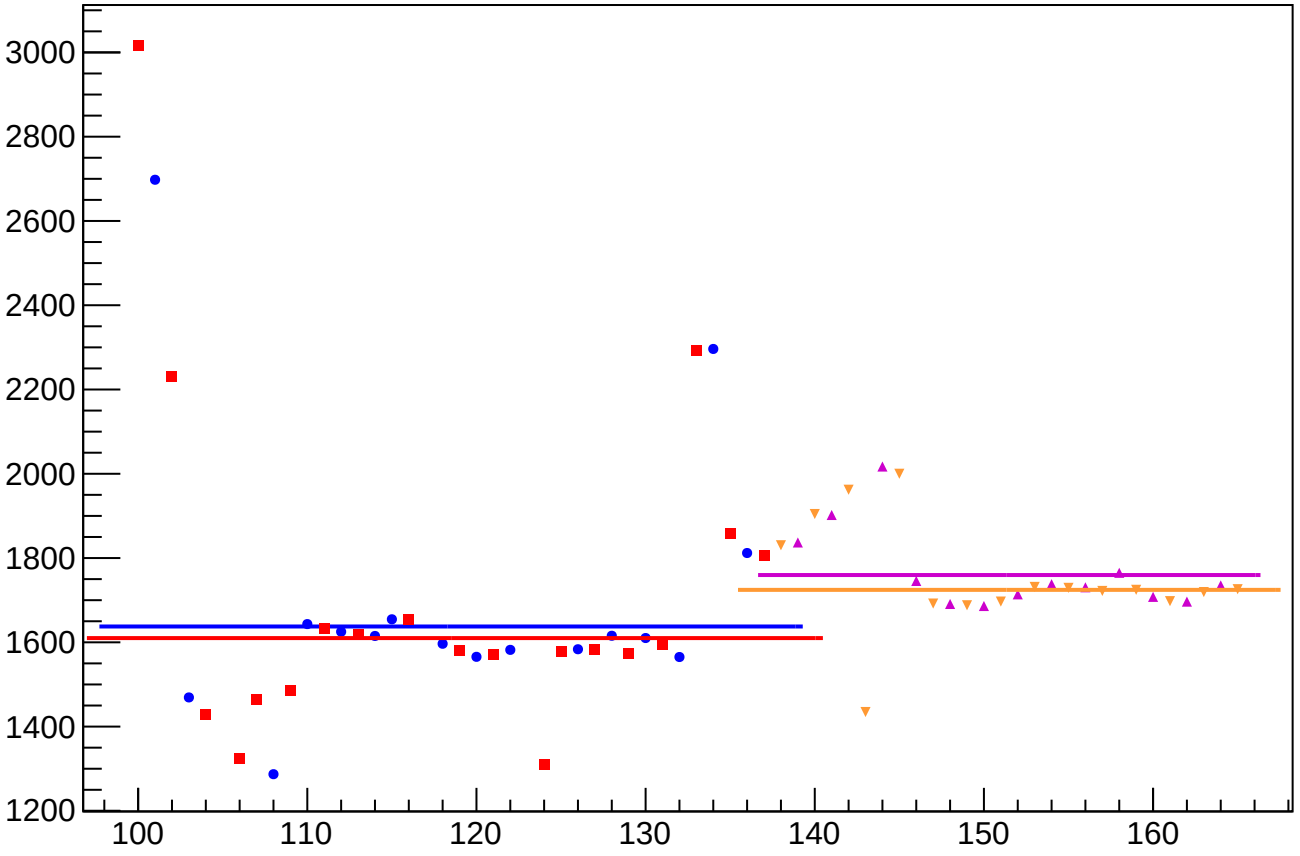
Left In: -333.063+/-531.966 χ^2/NDF:6.3/12

+ sign 471.494+/-389.870 χ^2/NDF: 37.4/30

All: 130.590+/-278.831 χ^2/NDF: 66.1/62

- sign -226.360+/-398.939 χ^2/NDF: 27.1/31

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1724.498+/-0.356 χ^2/NDF:132941.6/14

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

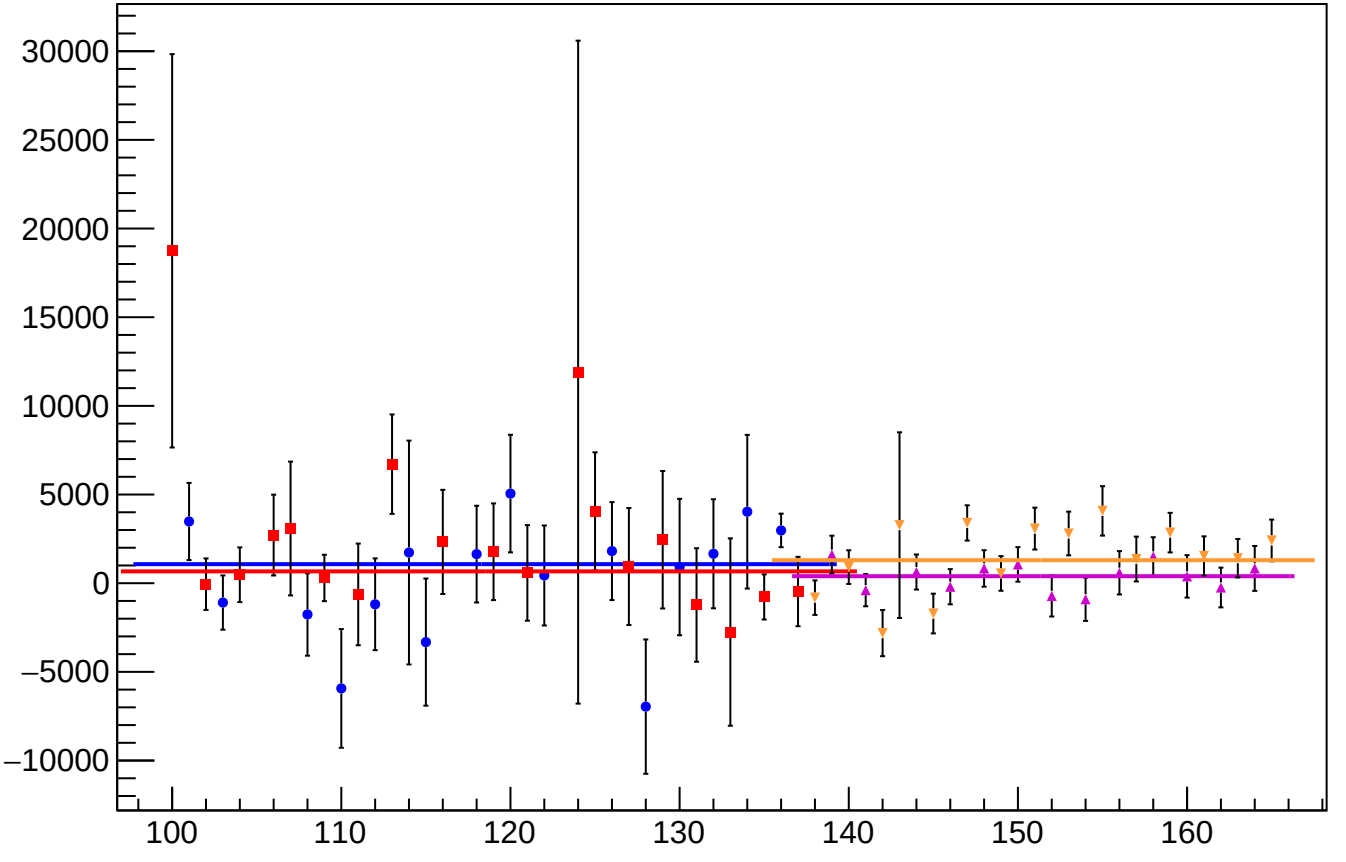
Left In: 1759.694+/-0.376 χ^2/NDF:54565.7/12

+ sign 1689.818+/-0.276 χ^2/NDF: 518198.7/30

All: 1691.962+/-0.197 χ^2/NDF: 922963.5/62

- sign 1694.207+/-0.282 χ^2/NDF: 404641.0/31

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1298.228+/-296.748 χ^2/NDF:37.9/14

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

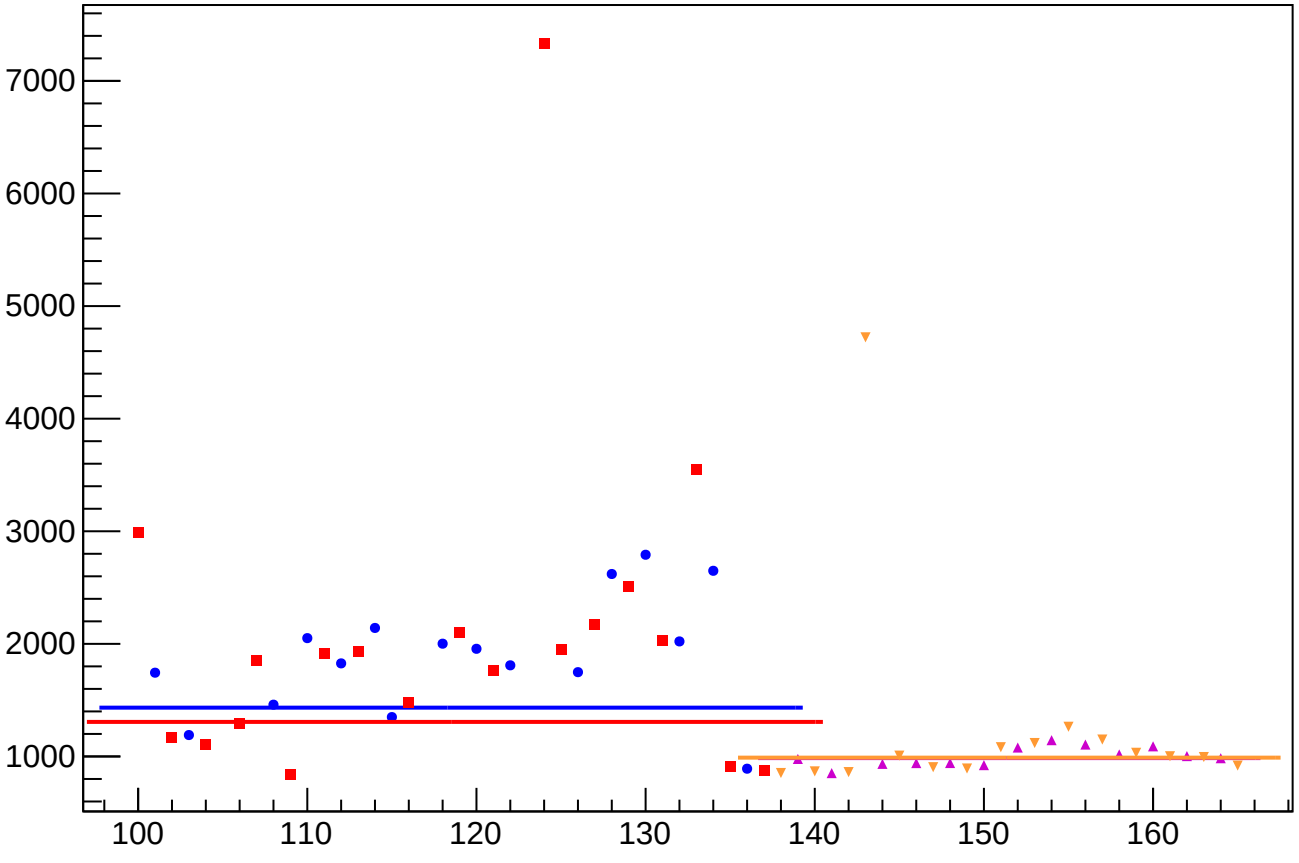
Left In: 394.828+/-299.191 χ^2/NDF:6.7/12

+ sign 1250.539+/-263.372 χ^2/NDF: 60.1/30

All: 850.841+/-184.941 χ^2/NDF: 85.0/62

- sign 462.039+/-259.758 χ^2/NDF: 20.4/31

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 989.463+/-0.210 χ^2/NDF:1298195.5/14

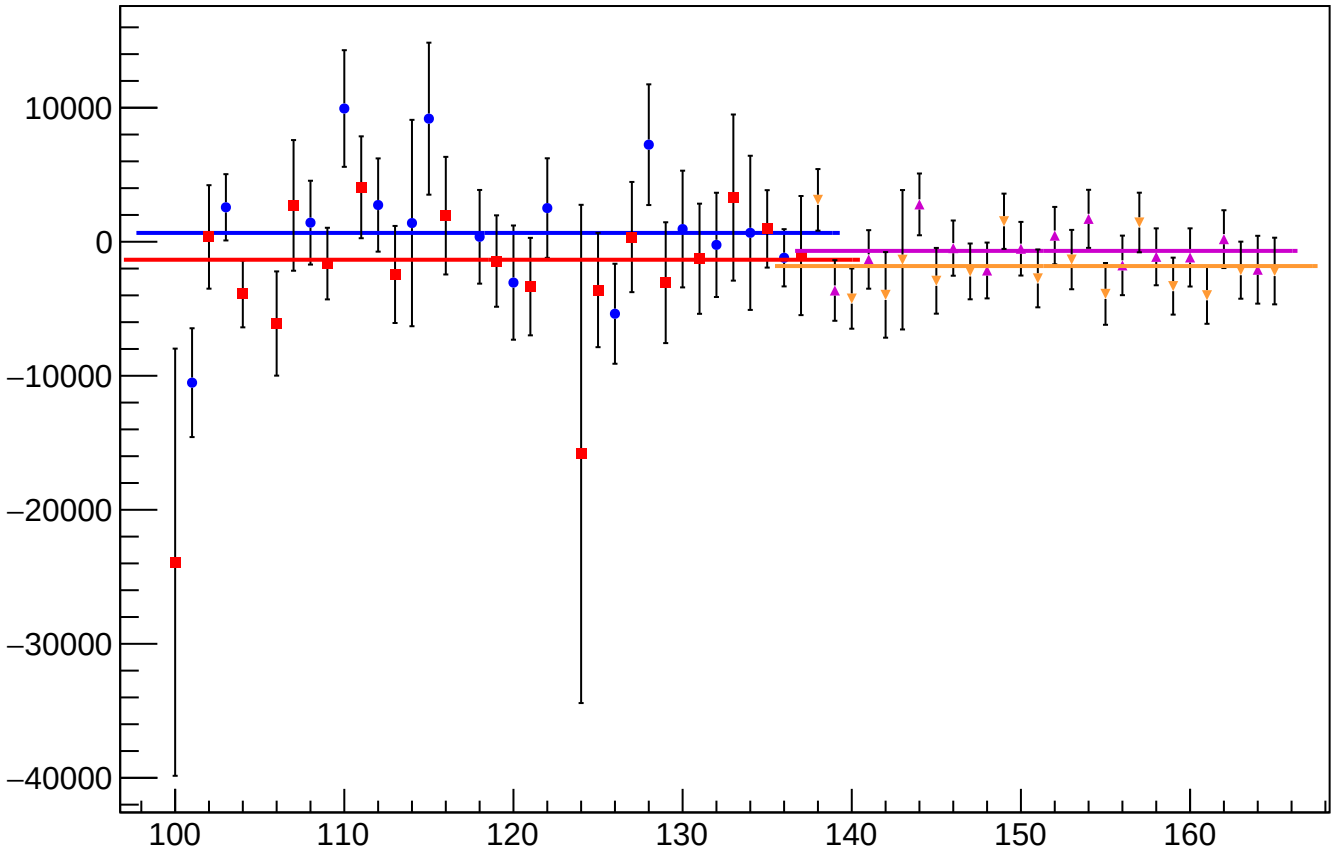
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 985.340+/-0.212 χ^2/NDF:148290.0/12

+ sign 1083.727+/-0.186 χ^2/NDF: 4012227.6/30

All: 1073.987+/-0.131 χ^2/NDF: 6918522.8/62

- sign 1064.511+/-0.184 χ^2/NDF: 2900898.3/31



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1812.998+/-598.963 χ^2/NDF:13.9/14

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

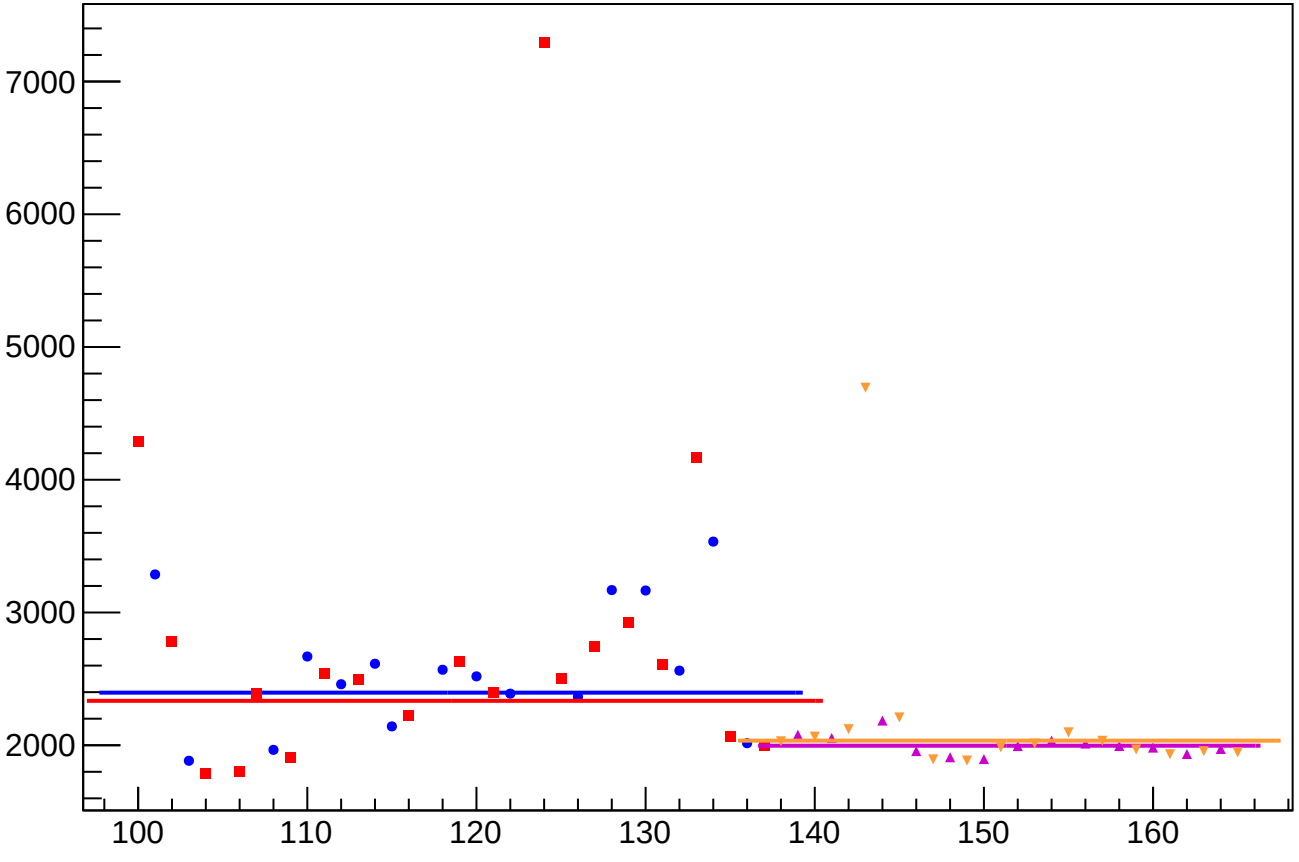
Left In: -681.509+/-603.272 χ^2/NDF:6.9/12

+ sign -1065.143+/-500.242 χ^2/NDF: 41.0/30

All: -977.063+/-353.450 χ^2/NDF: 59.2/62

- sign -889.256+/-499.466 χ^2/NDF: 18.1/31

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2034.620+/-0.424 χ^2/NDF:568953.7/14

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

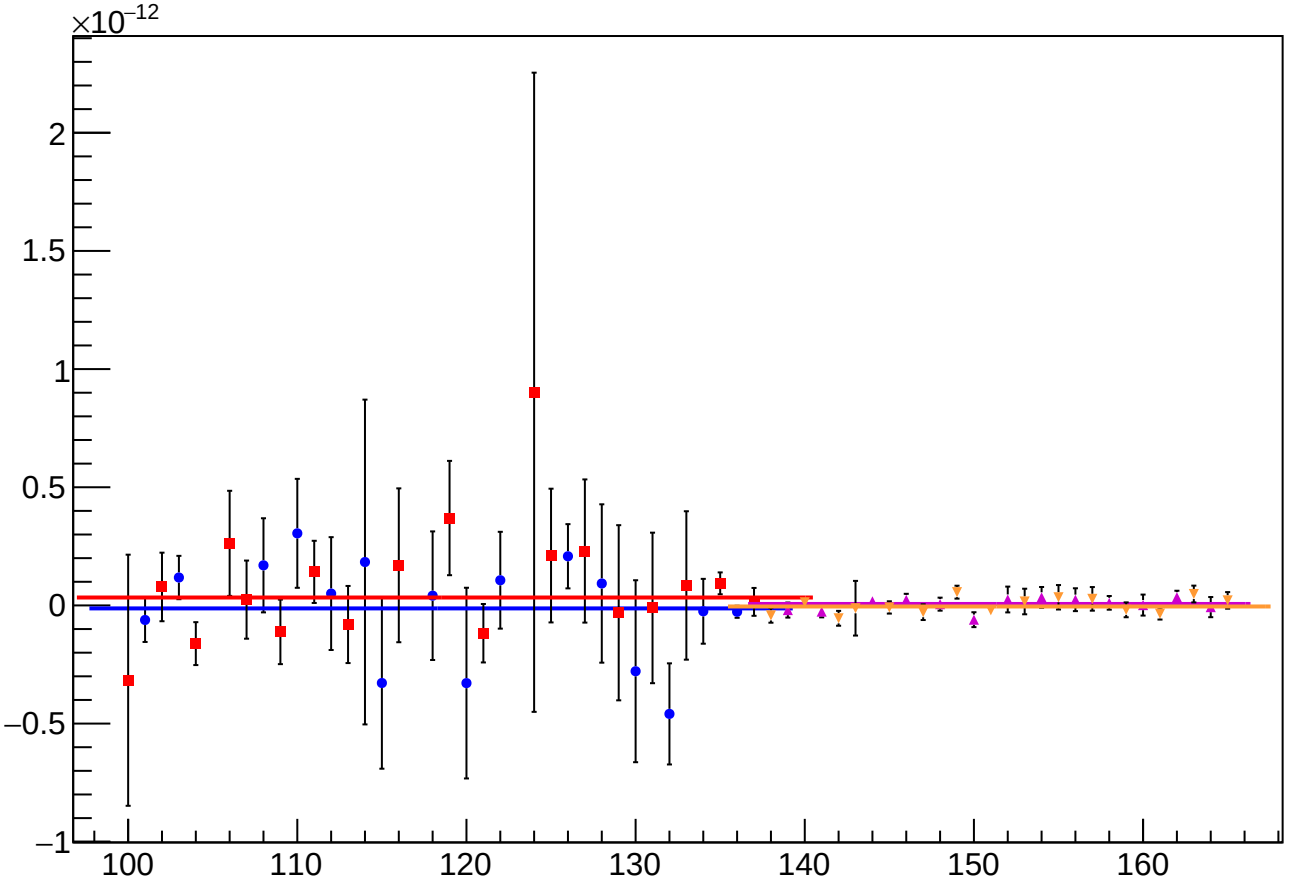
Left In: 1996.530+/-0.427 χ^2/NDF:29592.4/12

+ sign 2144.011+/-0.354 χ^2/NDF: 1297402.7/30

All: 2123.406+/-0.250 χ^2/NDF: 2212887.8/62

- sign 2102.864+/-0.353 χ^2/NDF: 908708.6/31

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:16.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

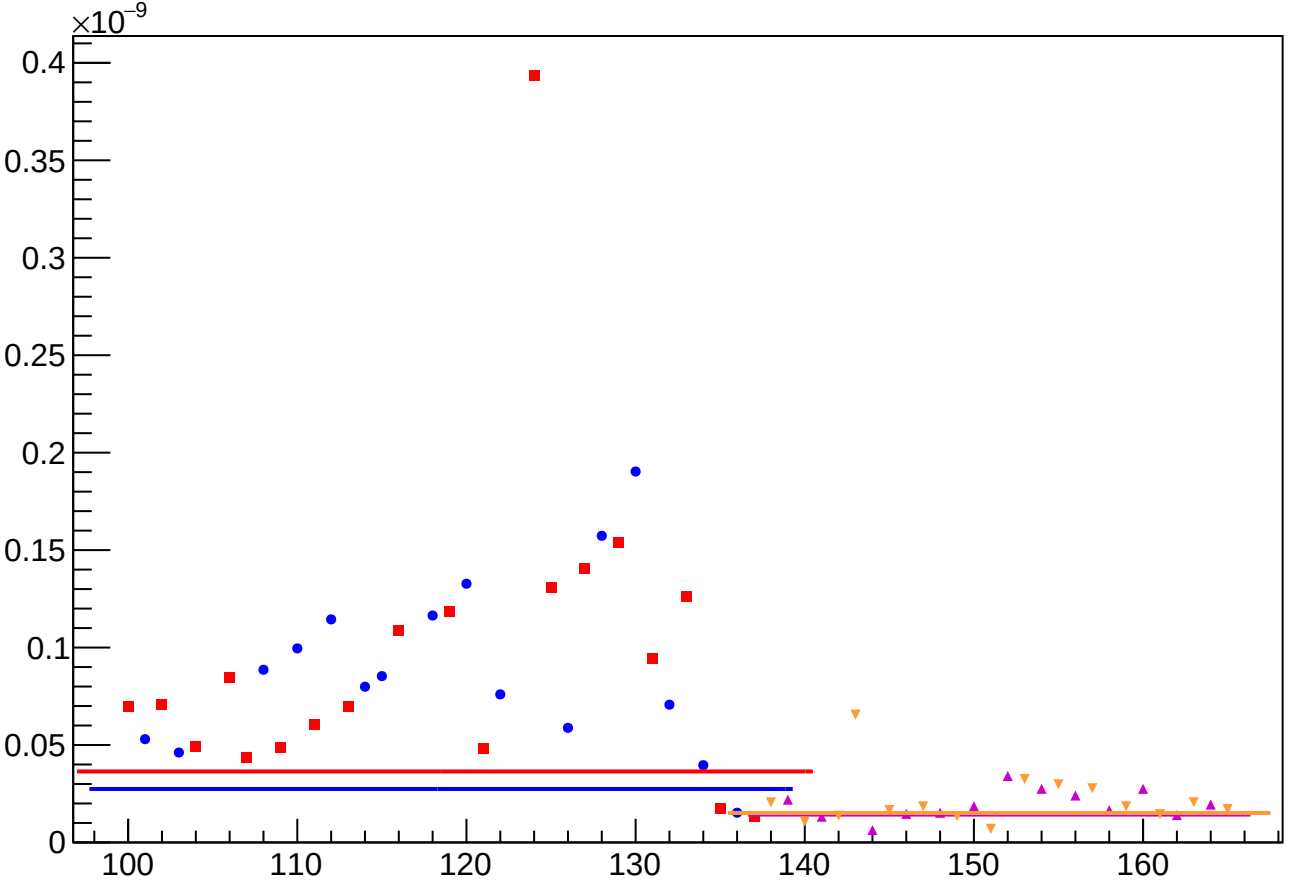
Left In: 0.000+/-0.000 χ^2/NDF:9.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/30

All: 0.000+/-0.000 χ^2/NDF: 59.2/62

- sign 0.000+/-0.000 χ^2/NDF: 26.0/31

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:1551027.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

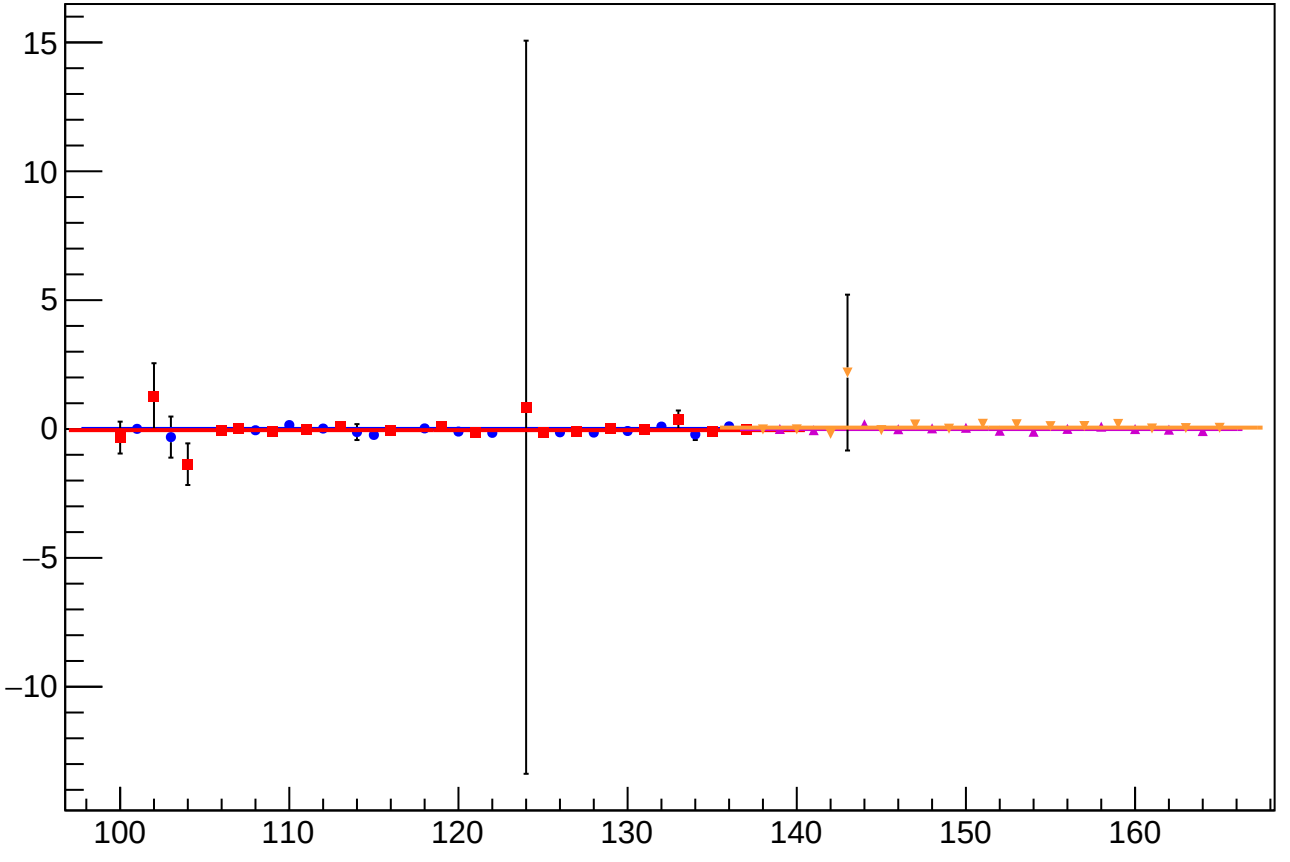
Left In: 0.000+/-0.000 χ^2/NDF:1566646.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 4828265.1/30

All: 0.000+/-0.000 χ^2/NDF: 10005910.3/62

- sign 0.000+/-0.000 χ^2/NDF: 5171506.3/31

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

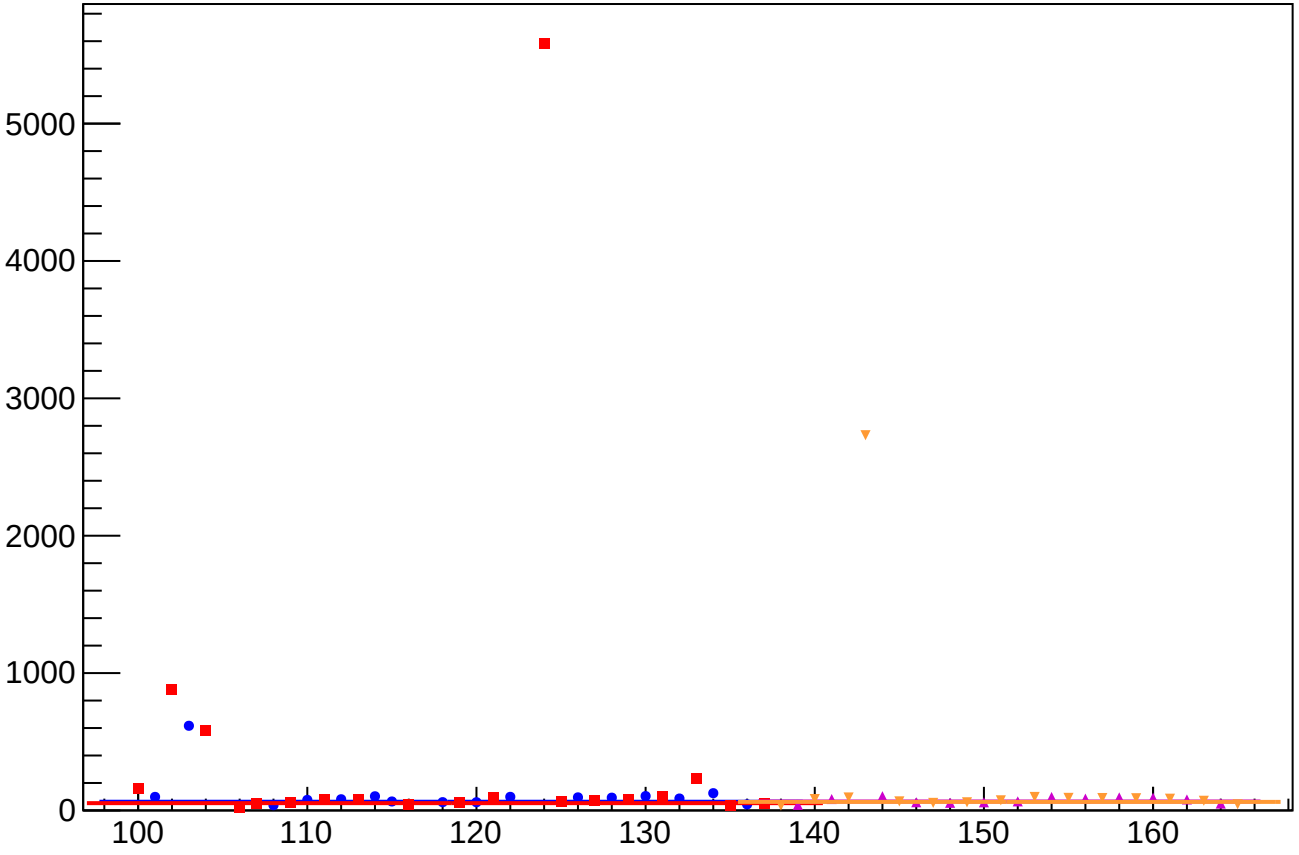
Left In: -0.001+/-0.022 χ^2/NDF:7.4/12

+ sign 0.035+/-0.016 χ^2/NDF: 34.8/30

All: 0.008+/-0.012 χ^2/NDF: 62.1/62

- sign -0.019+/-0.016 χ^2/NDF: 21.7/31

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 62.342+/-0.015 χ^2/NDF:3563713.5/14

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

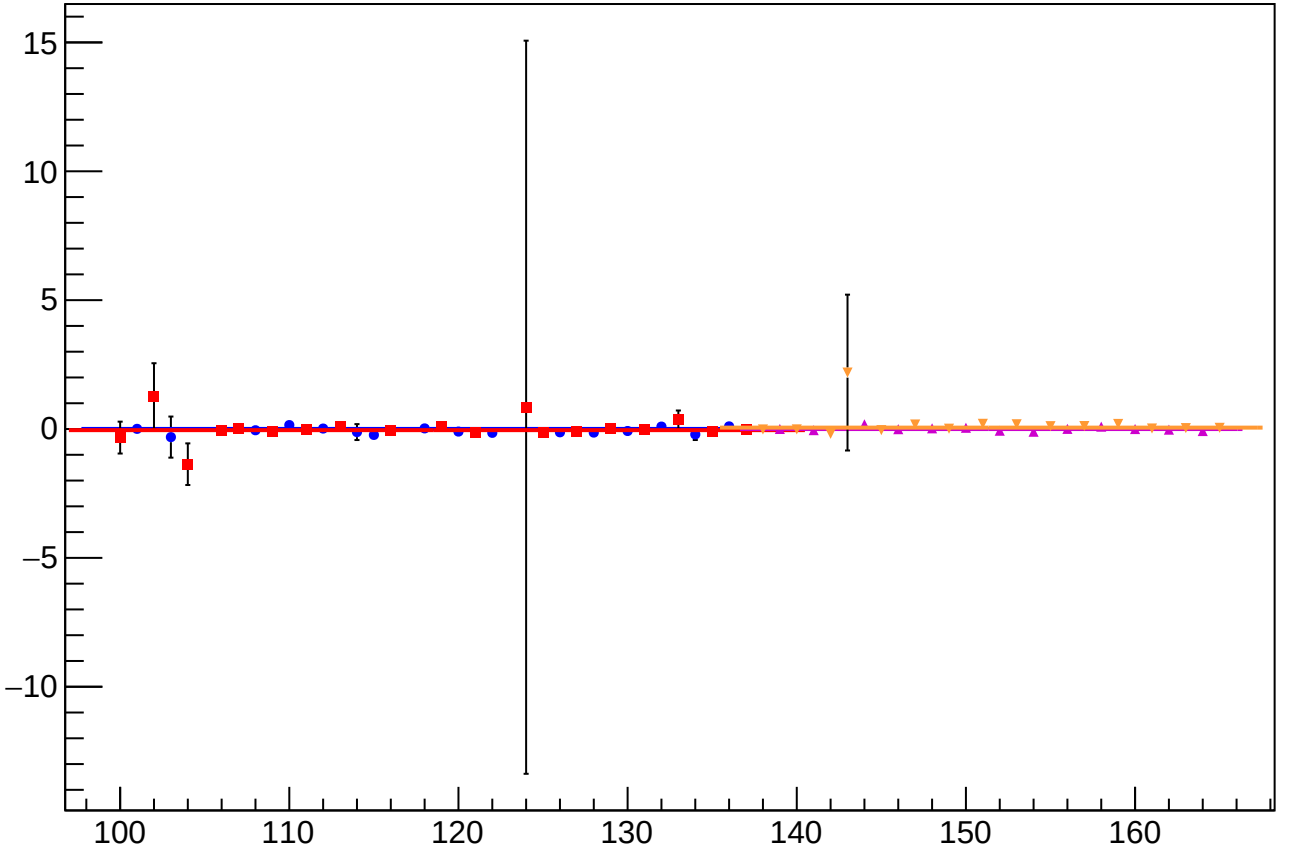
Left In: 65.231+/-0.015 χ^2/NDF:1608285.0/12

+ sign 62.749+/-0.012 χ^2/NDF: 6011085.8/30

All: 61.393+/-0.008 χ^2/NDF: 11859490.5/62

- sign 60.068+/-0.012 χ^2/NDF: 5821567.8/31

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: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

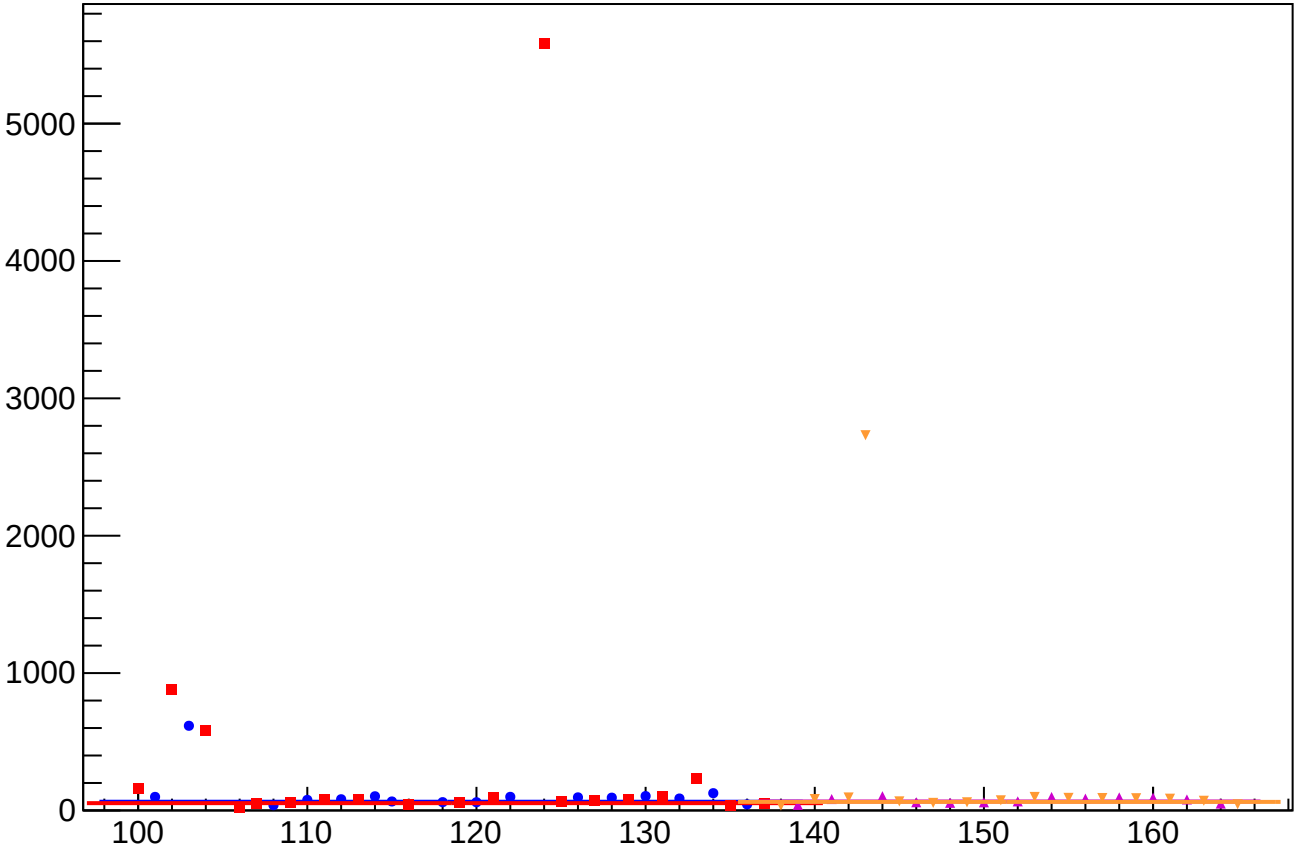
Left In: -0.001+/-0.022 χ^2/NDF:7.4/12

+ sign 0.035+/-0.016 χ^2/NDF: 34.8/30

All: 0.008+/-0.012 χ^2/NDF: 62.1/62

- sign -0.019+/-0.016 χ^2/NDF: 21.7/31

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 62.342+/-0.015 χ^2/NDF:3563713.5/14

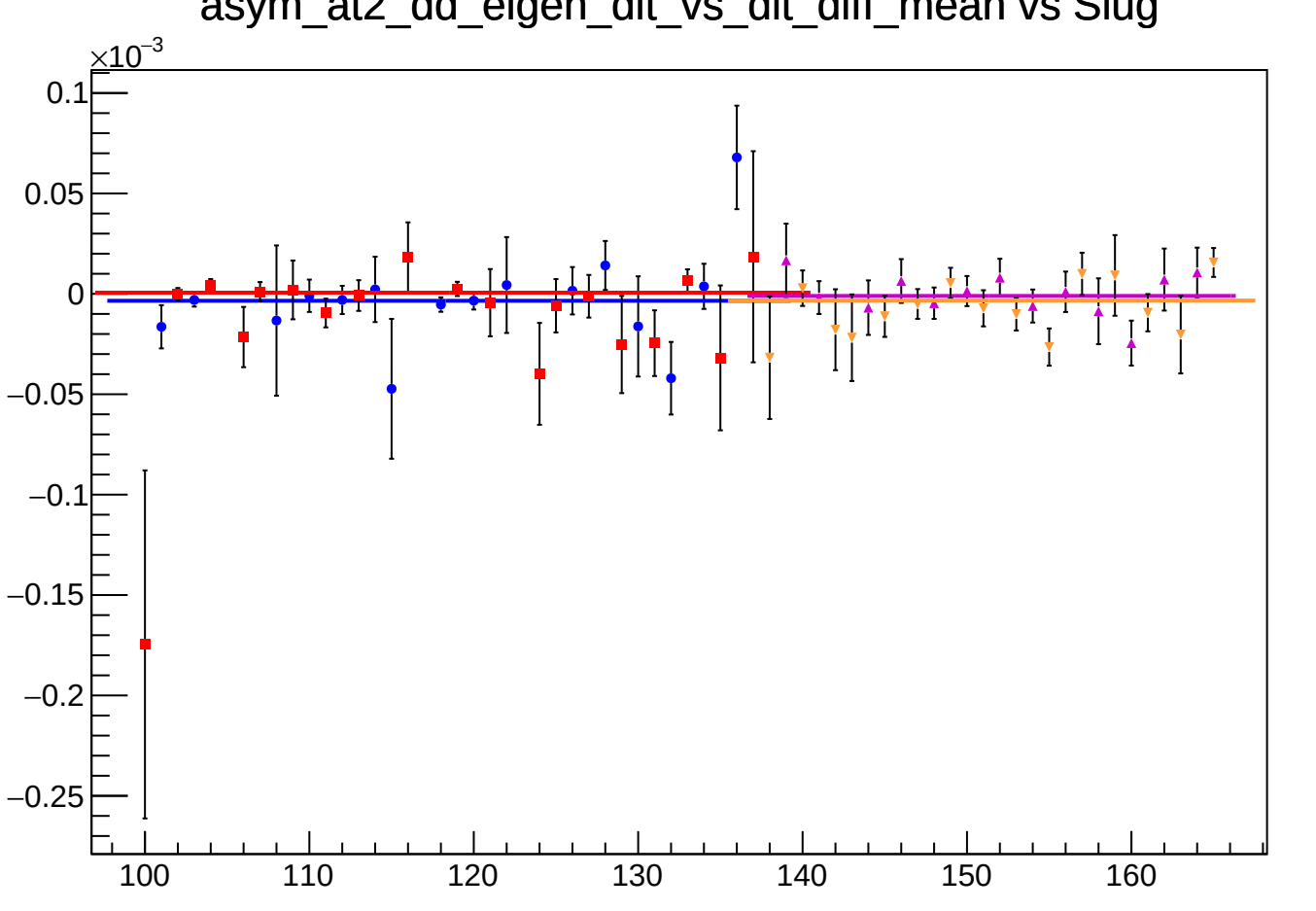
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.231+/-0.015 χ^2/NDF:1608285.0/12

+ sign 62.749+/-0.012 χ^2/NDF: 6011085.8/30

All: 61.393+/-0.008 χ^2/NDF: 11859490.5/62

- sign 60.068+/-0.012 χ^2/NDF: 5821567.8/31



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

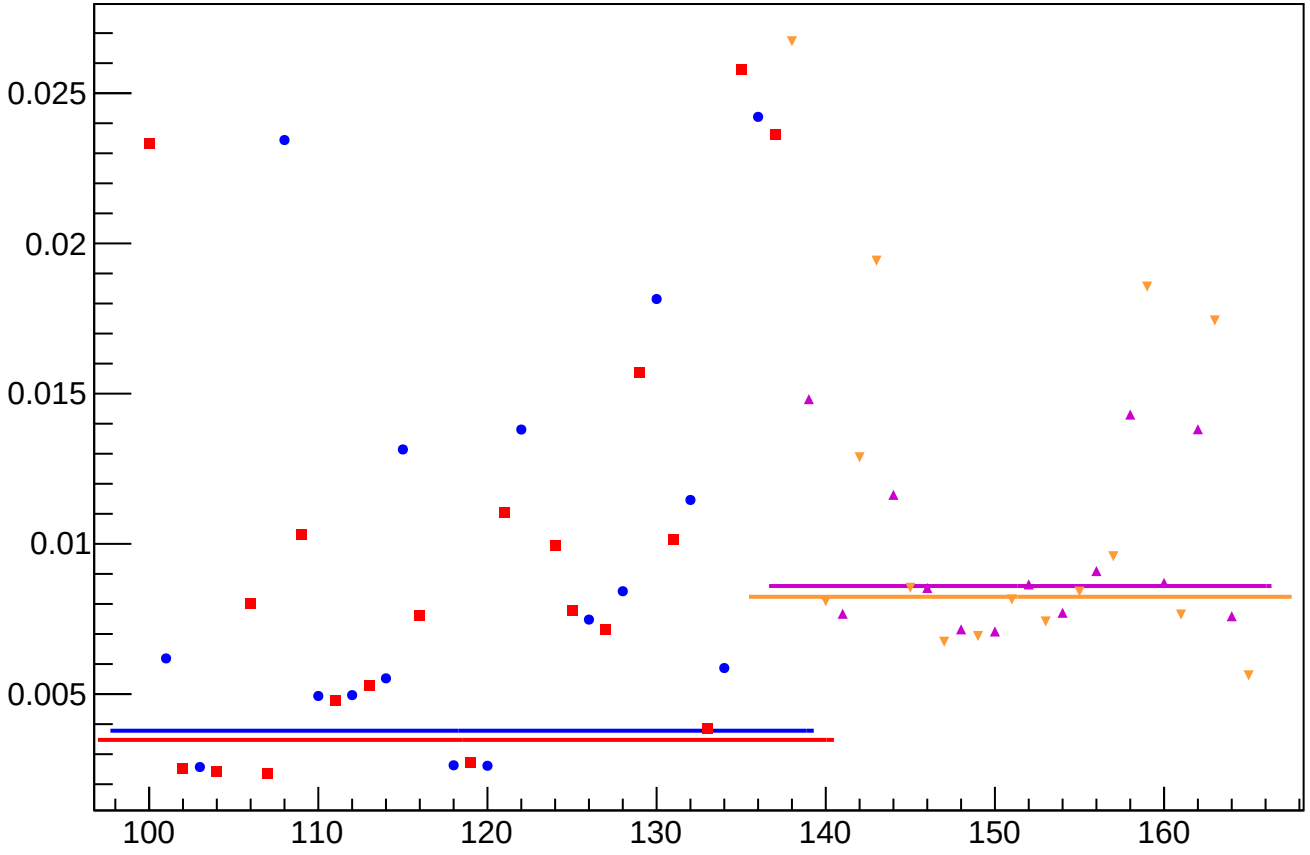
Left In: -0.000+/-0.000 χ^2/NDF:9.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 40.7/30

All: -0.000+/-0.000 χ^2/NDF: 72.4/62

- sign 0.000+/-0.000 χ^2/NDF: 28.5/31

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2827099.8/14

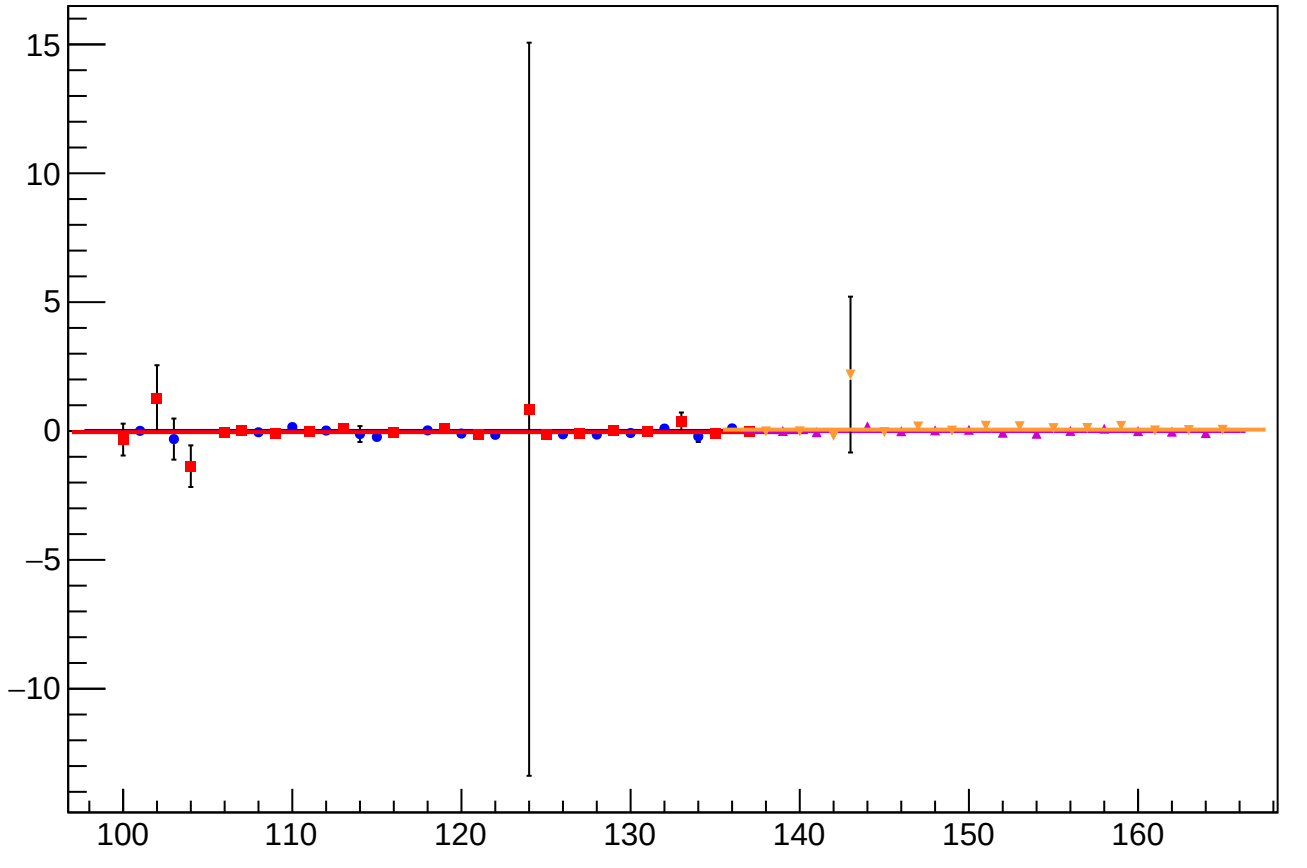
Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.009+/-0.000 χ^2/NDF:1019874.4/12

+ sign 0.005+/-0.000 χ^2/NDF: 11476574.9/30

All: 0.005+/-0.000 χ^2/NDF: 22202016.1/62

- sign 0.005+/-0.000 χ^2/NDF: 10547181.0/31



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.054+/-0.021 χ^2/NDF:19.3/14

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

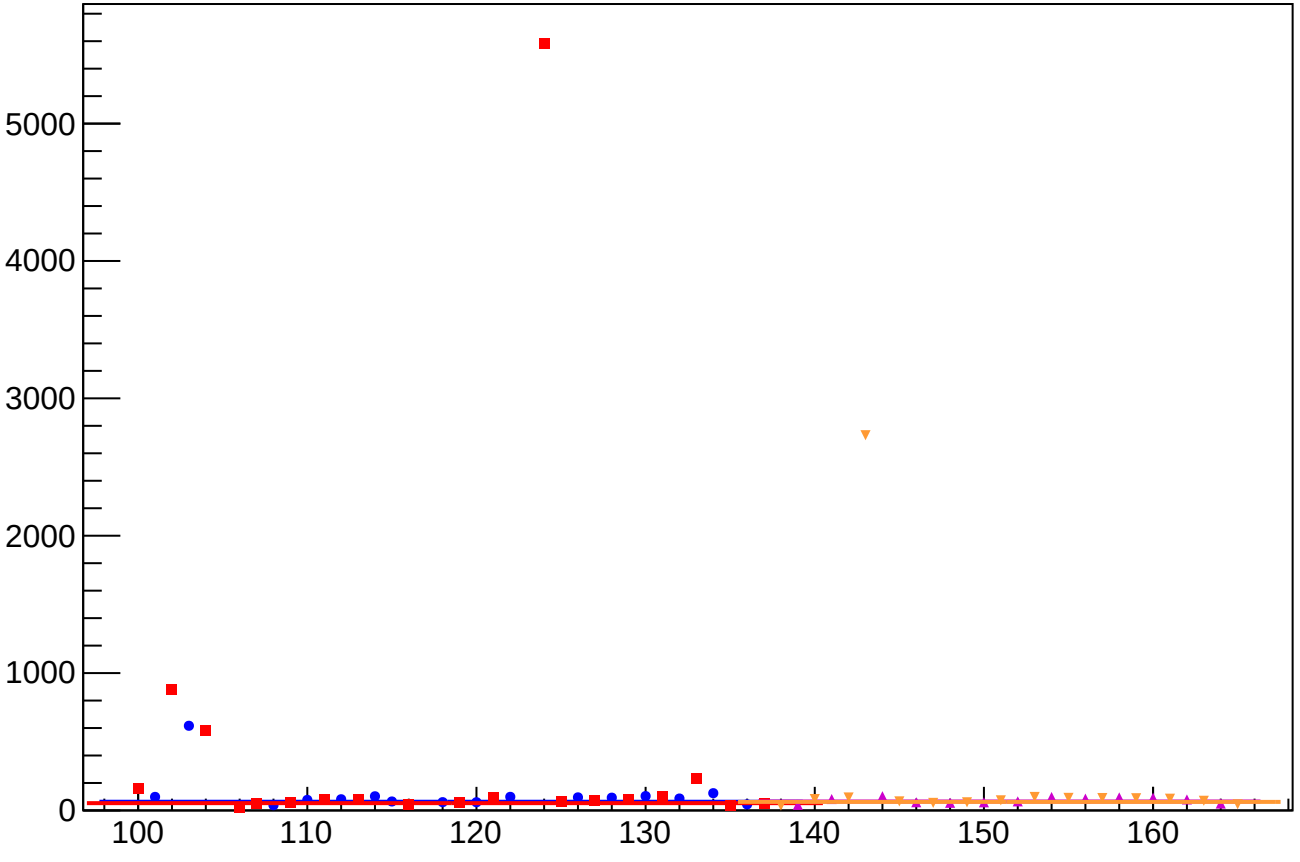
Left In: -0.001+/-0.022 χ^2/NDF:7.4/12

+ sign 0.035+/-0.016 χ^2/NDF: 34.8/30

All: 0.008+/-0.012 χ^2/NDF: 62.1/62

- sign -0.019+/-0.016 χ^2/NDF: 21.7/31

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 62.340+/-0.015 χ^2/NDF:3563646.2/14

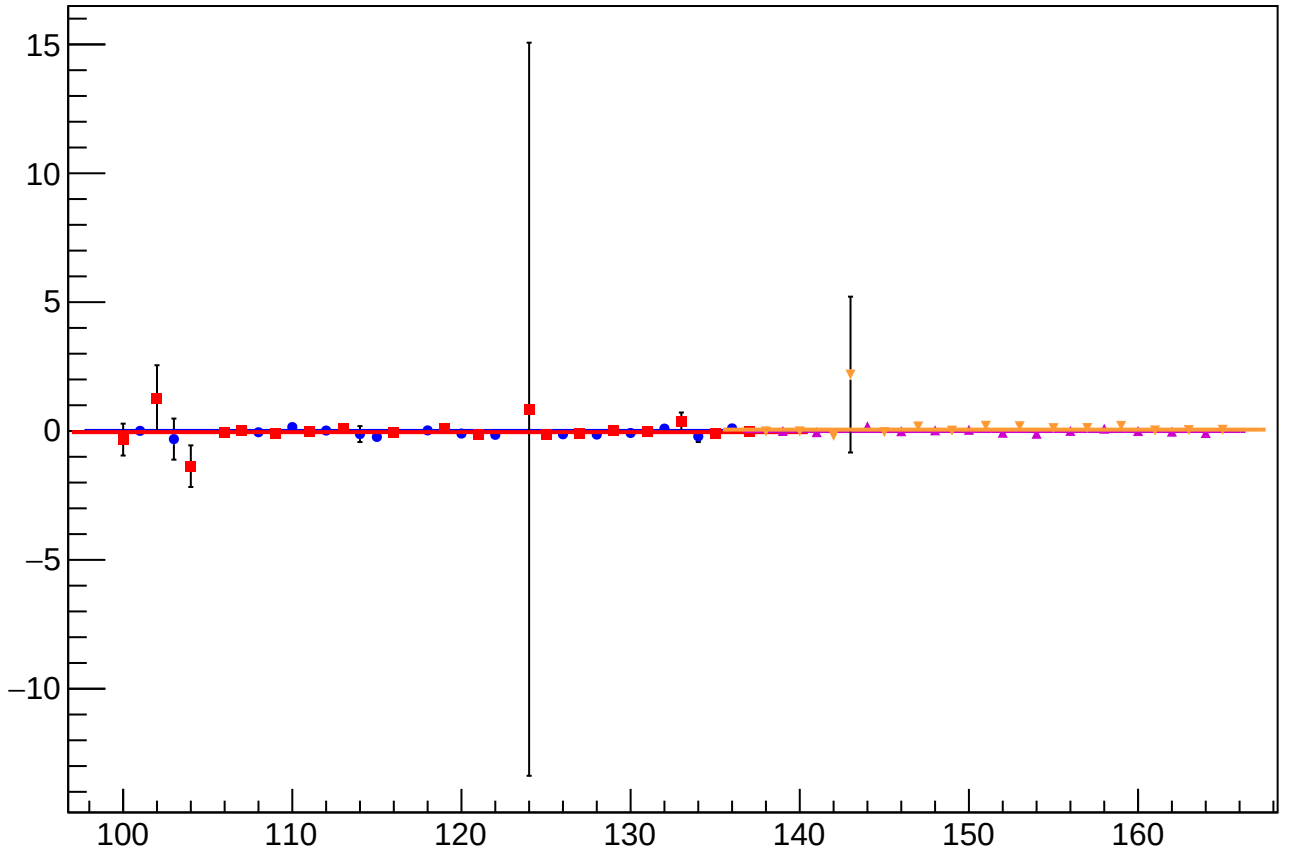
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.233+/-0.015 χ^2/NDF:1607858.0/12

+ sign 62.751+/-0.012 χ^2/NDF: 6010163.7/30

All: 61.393+/-0.008 χ^2/NDF: 11859090.2/62

- sign 60.066+/-0.012 χ^2/NDF: 5822030.1/31



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.054+/-0.021 χ^2/NDF:19.3/14

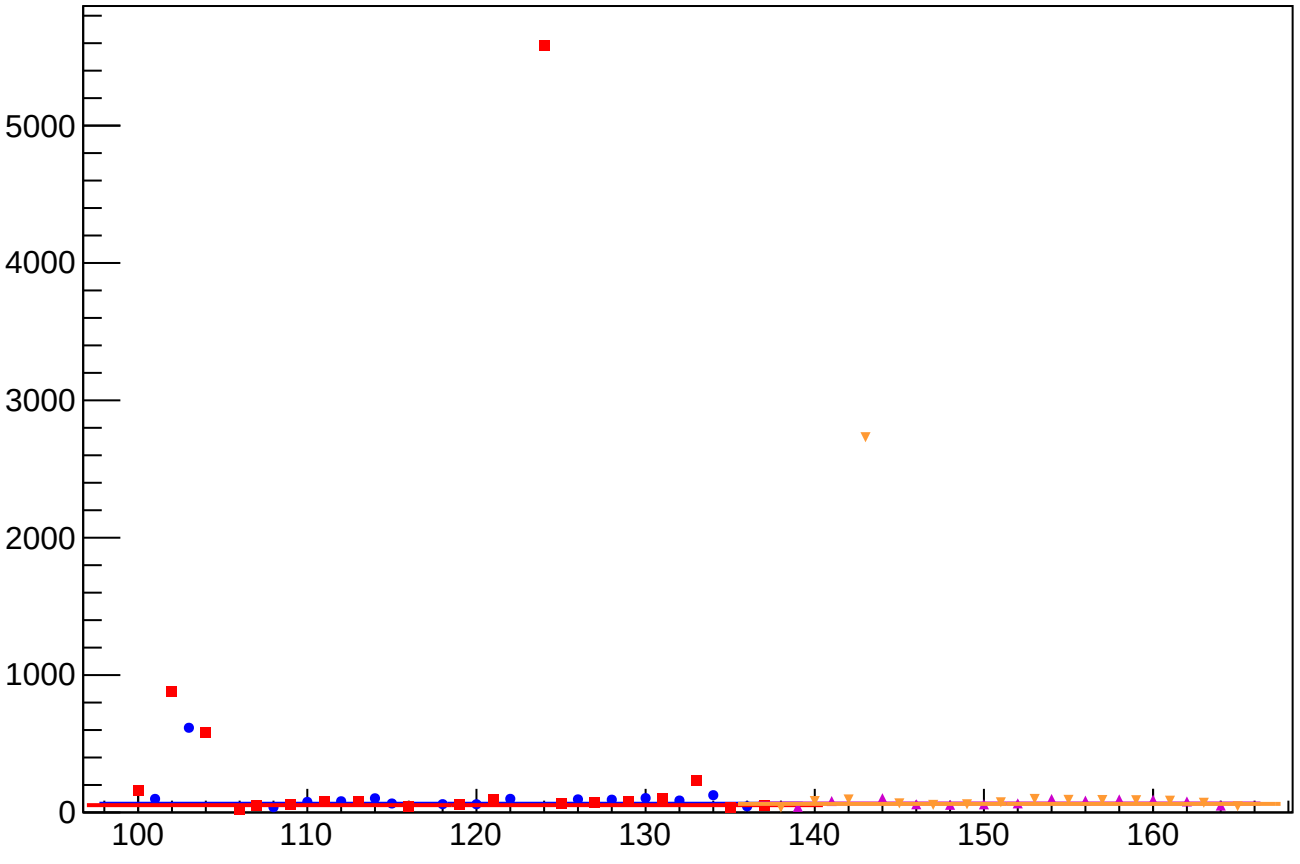
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.001+/-0.022 χ^2/NDF:7.4/12

+ sign 0.035+/-0.016 χ^2/NDF: 34.8/30

All: 0.008+/-0.012 χ^2/NDF: 62.1/62

- sign -0.019+/-0.016 χ^2/NDF: 21.7/31



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 62.340+/-0.015 χ^2/NDF:3563646.2/14

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

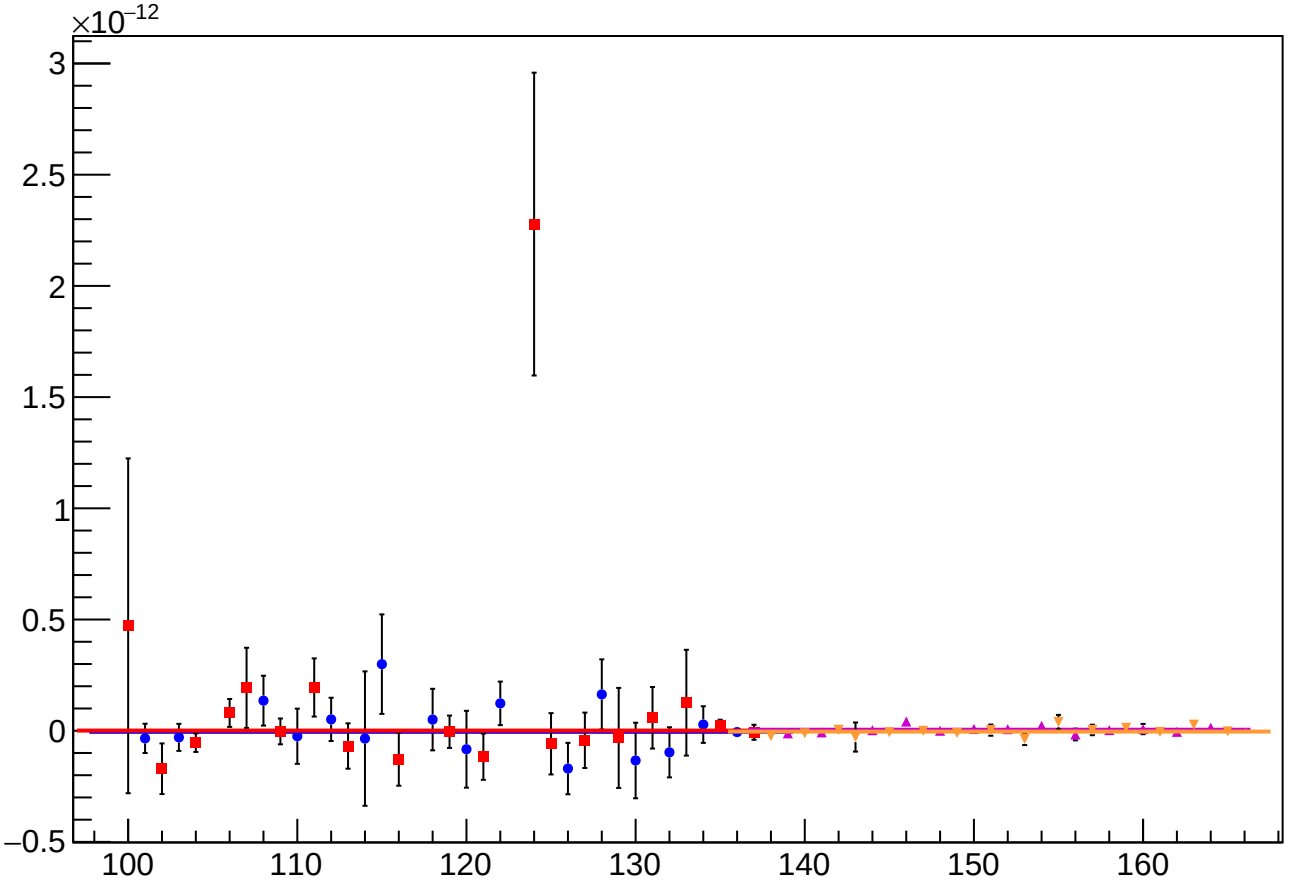
Left In: 65.233+/-0.015 χ^2/NDF:1607858.0/12

+ sign 62.751+/-0.012 χ^2/NDF: 6010163.7/30

All: 61.393+/-0.008 χ^2/NDF: 11859090.2/62

- sign 60.066+/-0.012 χ^2/NDF: 5822030.1/31

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:9.6/14

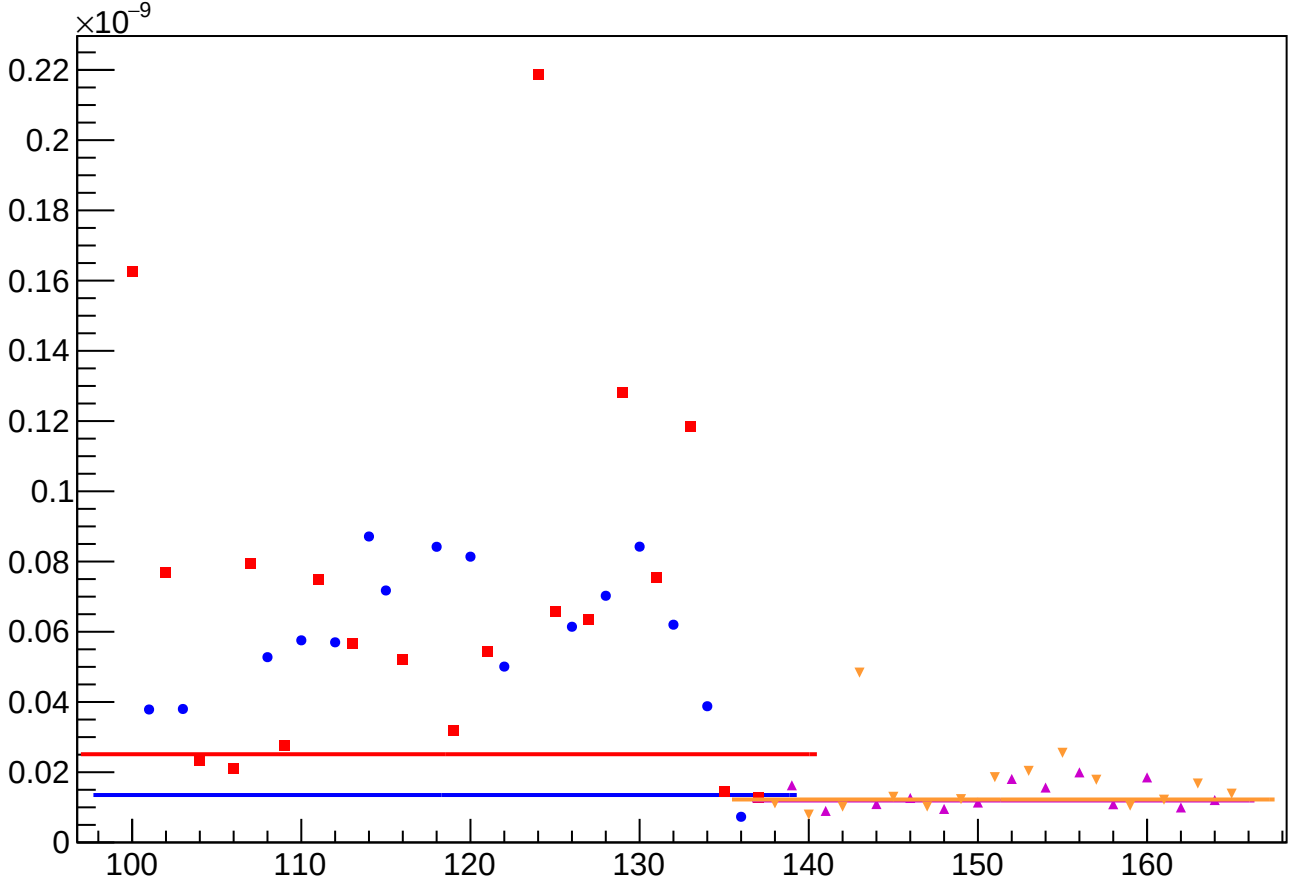
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/30

All: -0.000+/-0.000 χ^2/NDF: 56.4/62

- sign 0.000+/-0.000 χ^2/NDF: 34.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1924284.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

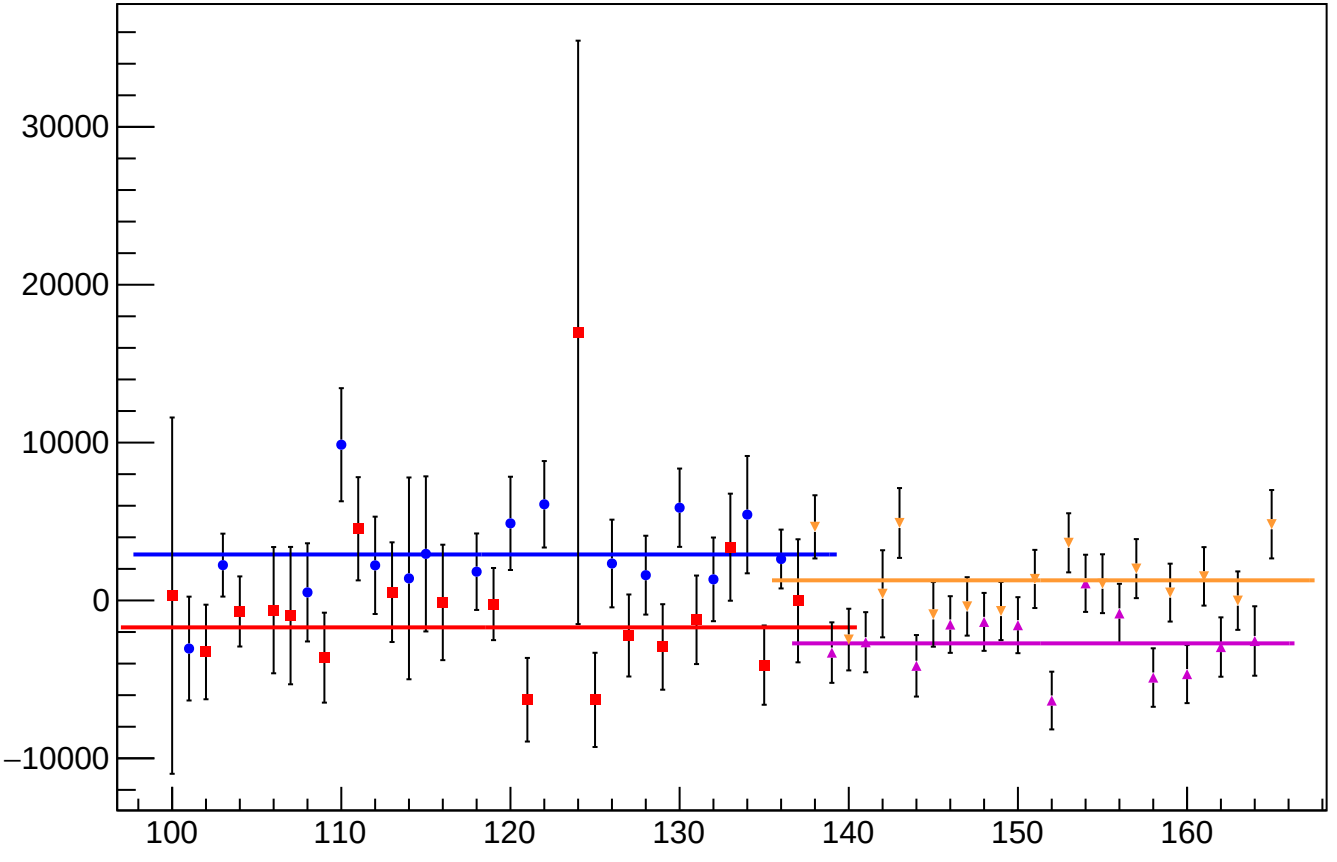
Left In: 0.000+/-0.000 χ^2/NDF:884081.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 6943340.4/30

All: 0.000+/-0.000 χ^2/NDF: 12831127.8/62

- sign 0.000+/-0.000 χ^2/NDF: 5867132.5/31

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1274.537+/-505.064 χ^2/NDF:17.5/14

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

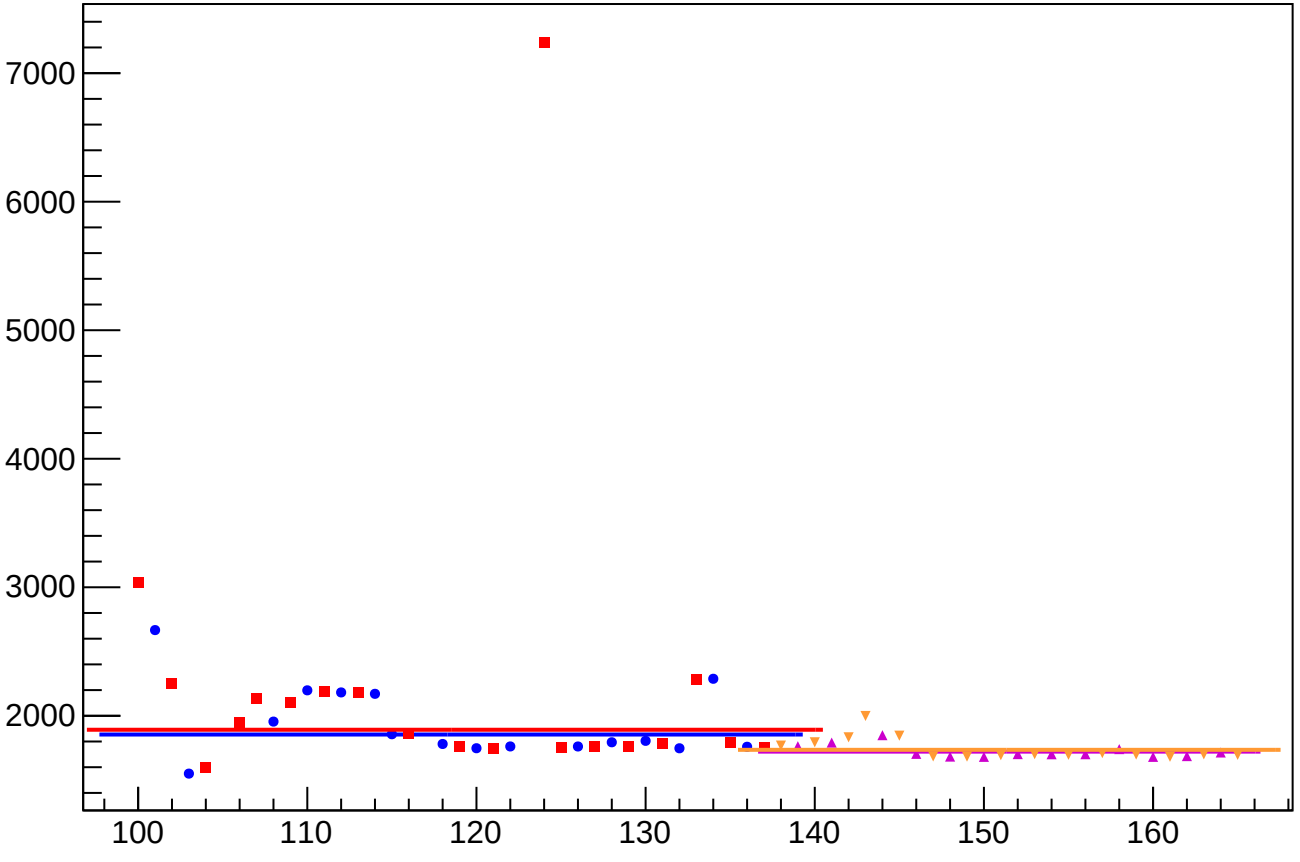
Left In: -2718.262+/-519.858 χ^2/NDF:13.9/12

+ sign 1840.715+/-408.585 χ^2/NDF: 33.6/30

All: -209.077+/-292.455 χ^2/NDF: 116.3/62

- sign -2362.543+/-418.791 χ^2/NDF: 31.1/31

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1735.214+/-0.357 χ^2/NDF:48991.1/14

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

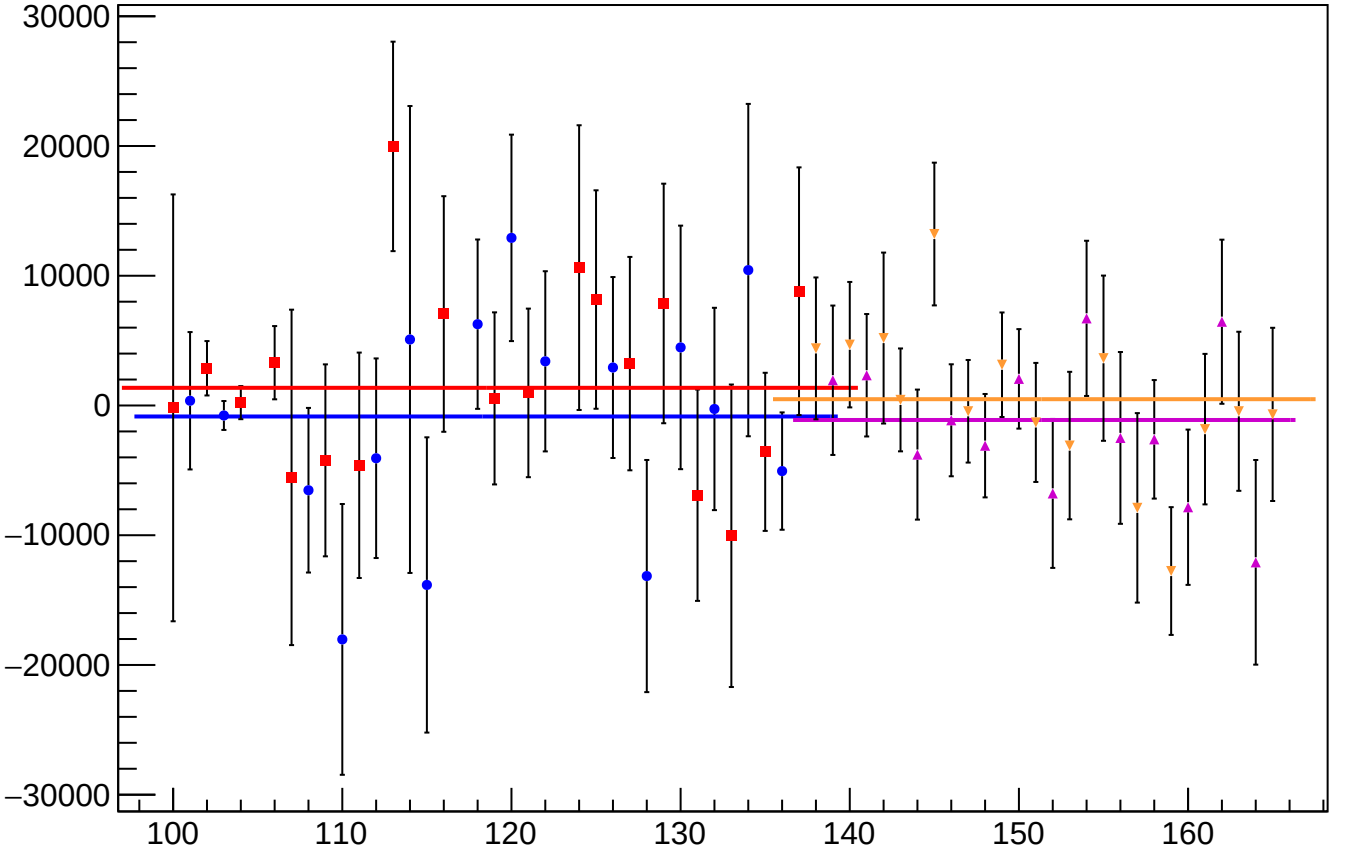
Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

+ sign 1776.369+/-0.289 χ^2/NDF: 350744.4/30

All: 1778.712+/-0.207 χ^2/NDF: 807479.9/62

- sign 1781.169+/-0.296 χ^2/NDF: 456600.8/31

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 484.991+/-1332.234 χ^2/NDF:17.2/14

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

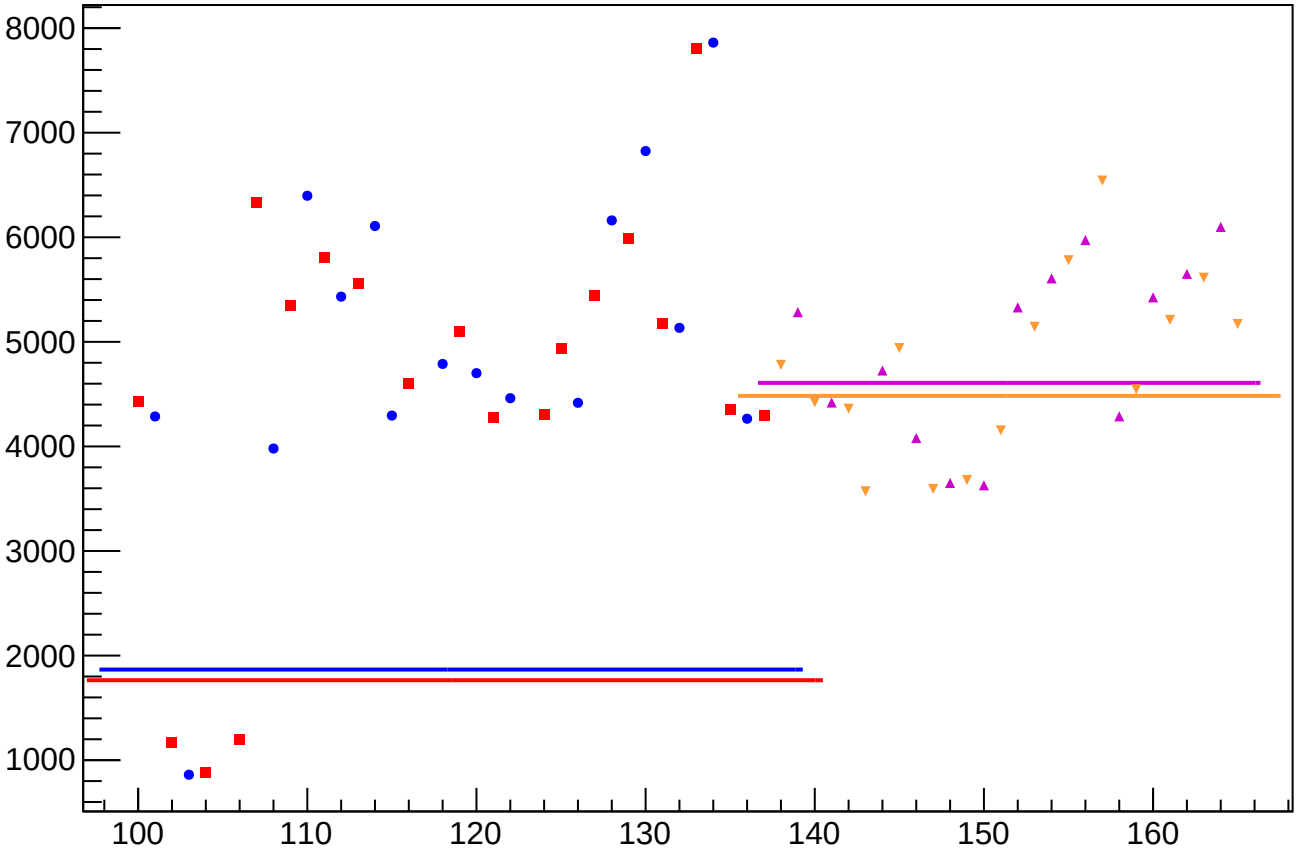
Left In: -1117.750+/-1417.655 χ^2/NDF:9.5/12

+ sign -390.568+/-780.410 χ^2/NDF: 31.7/30

All: 127.720+/-547.872 χ^2/NDF: 58.3/62

- sign 631.389+/-769.325 χ^2/NDF: 25.7/31

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4483.341+/-0.942 χ^2/NDF:708157.7/14

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

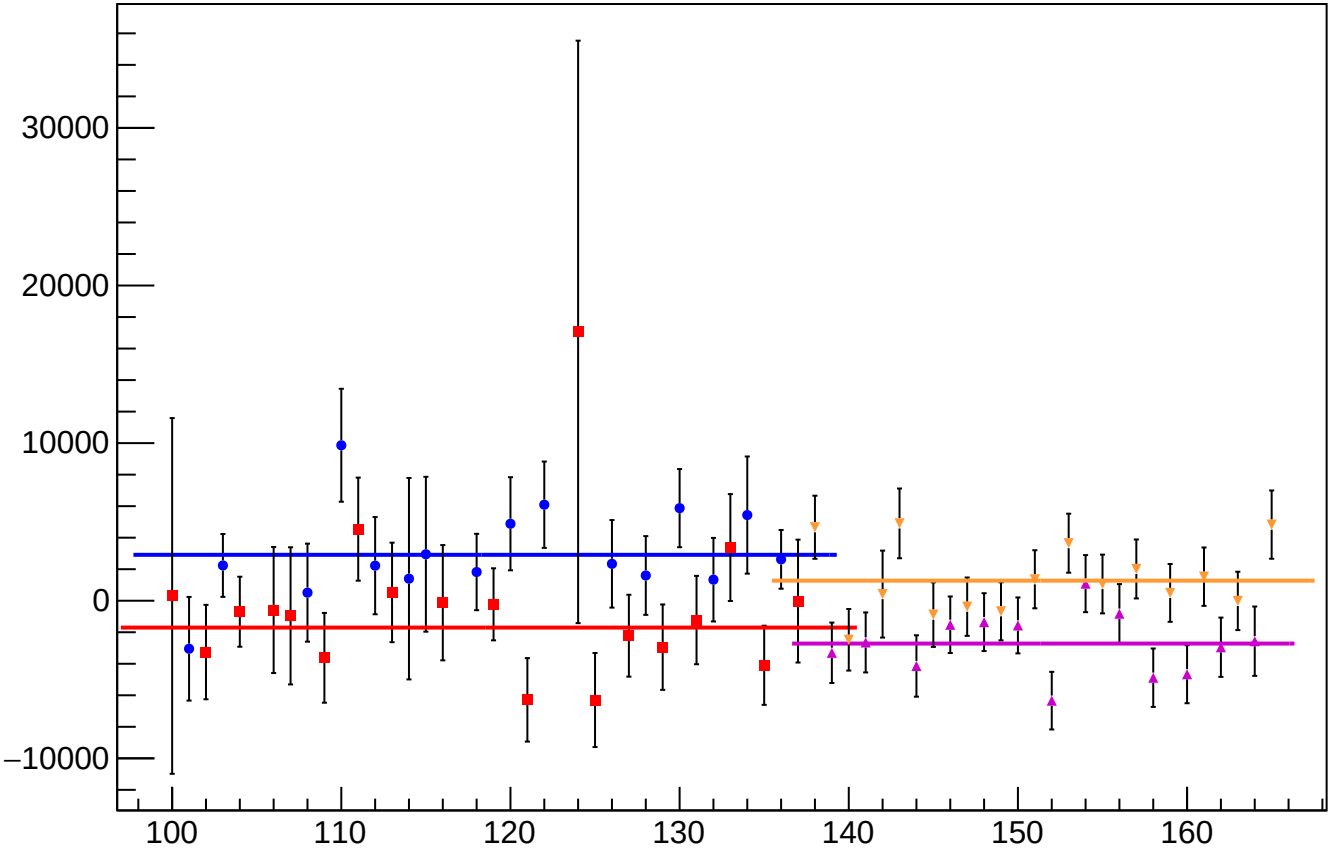
Left In: 4607.825+/-1.002 χ^2/NDF:653068.9/12

+ sign 2764.408+/-0.552 χ^2/NDF: 12626780.0/30

All: 2681.886+/-0.387 χ^2/NDF: 25435615.2/6

- sign 2601.692+/-0.544 χ^2/NDF: 12764740.5/31

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1274.378+/-505.064 χ^2/NDF:17.5/14

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

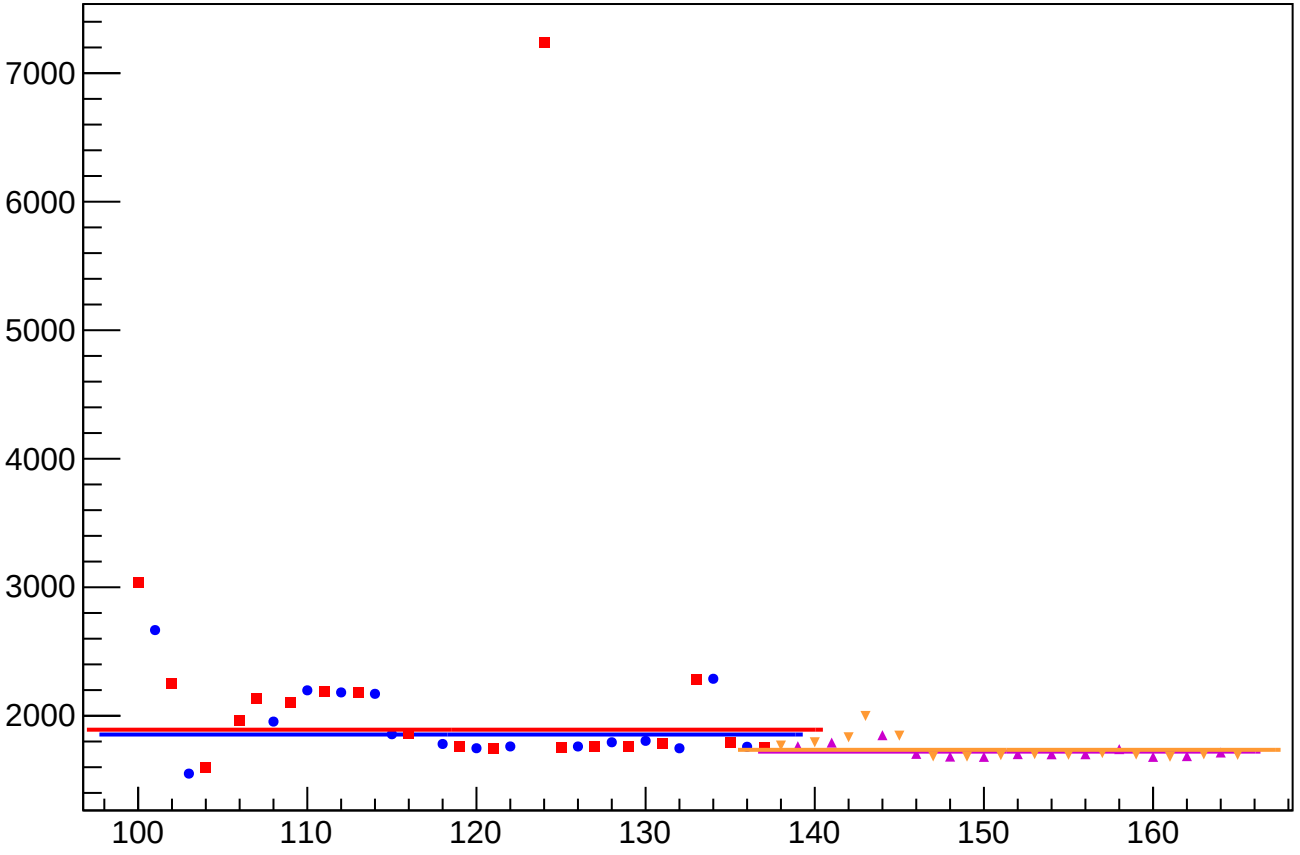
Left In: -2718.328+/-519.858 χ^2/NDF:13.9/12

+ sign 1840.646+/-408.585 χ^2/NDF: 33.6/30

All: -208.897+/-292.455 χ^2/NDF: 116.3/62

- sign -2362.102+/-418.791 χ^2/NDF: 31.1/31

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1735.214+/-0.357 χ^2/NDF:48991.1/14

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

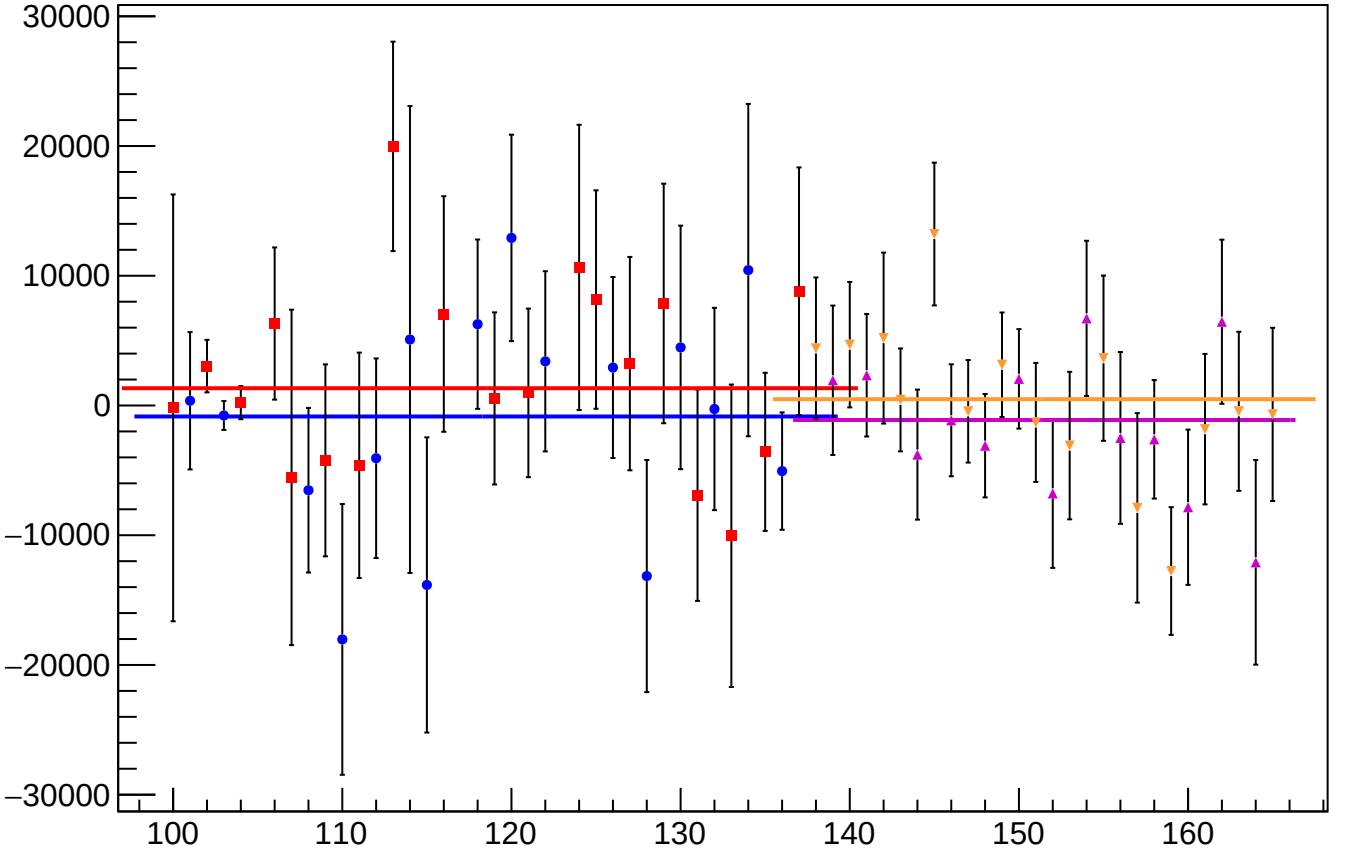
Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

+ sign 1776.370+/-0.289 χ^2/NDF: 350744.3/30

All: 1778.782+/-0.207 χ^2/NDF: 808114.4/62

- sign 1781.312+/-0.296 χ^2/NDF: 457227.3/31

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 484.963+/-1332.233 χ^2/NDF:17.2/14

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

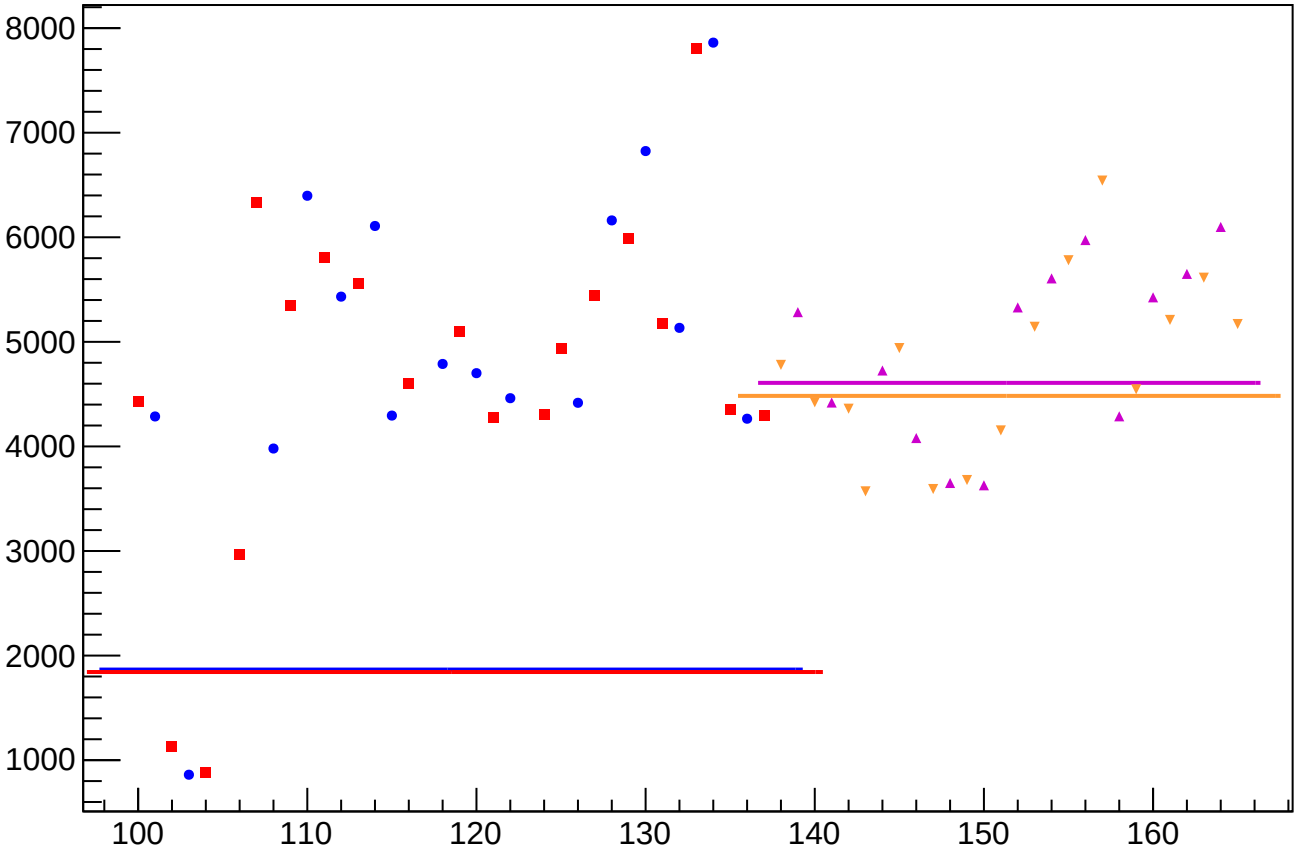
Left In: -1117.876+/-1417.655 χ^2/NDF:9.5/12

+ sign -390.300+/-780.382 χ^2/NDF: 31.7/30

All: 87.273+/-554.533 χ^2/NDF: 58.5/62

- sign 574.380+/-788.133 χ^2/NDF: 26.0/31

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4483.336+/-0.942 χ^2/NDF:708170.0/14

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

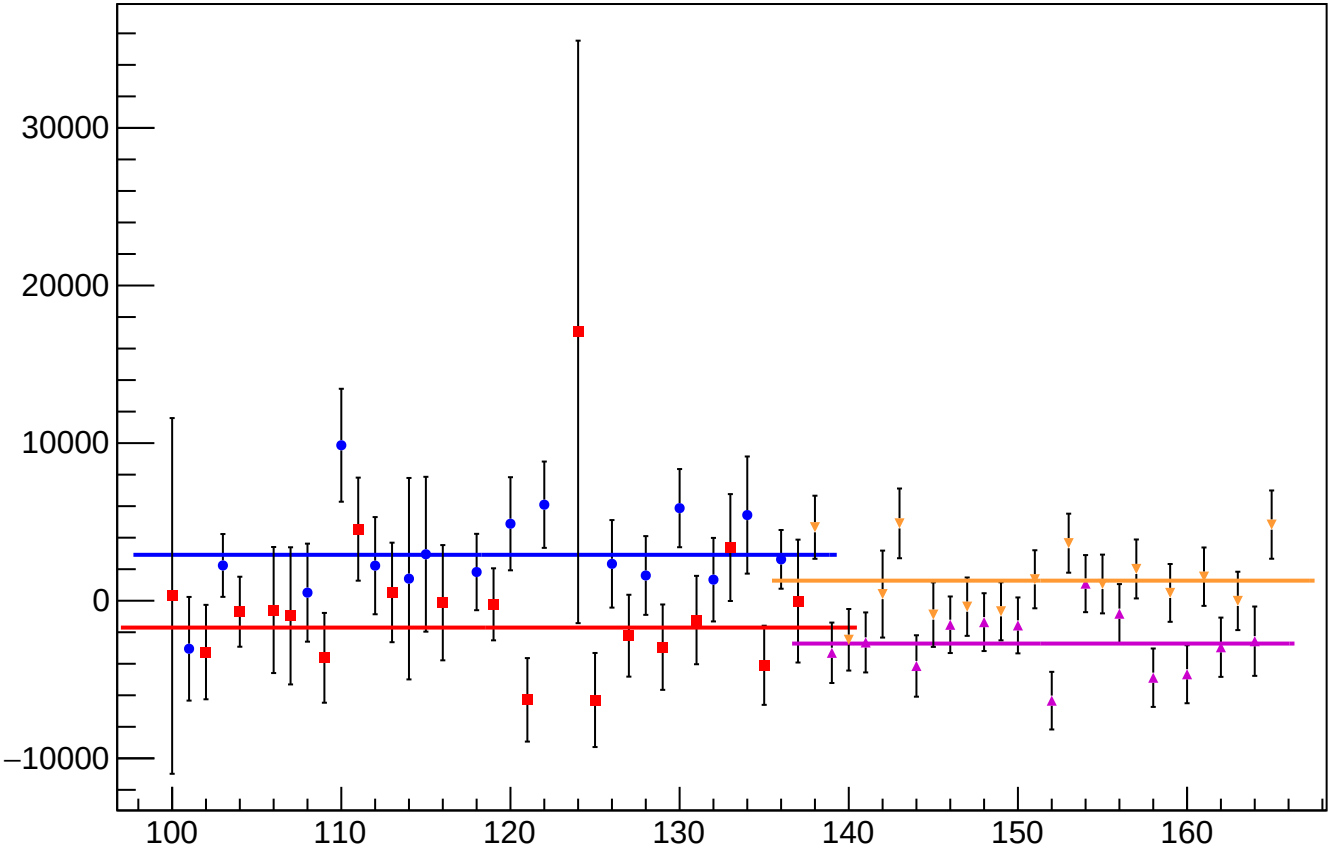
Left In: 4607.824+/-1.002 χ^2/NDF:653082.4/12

+ sign 2764.242+/-0.552 χ^2/NDF: 12627989.4/30

All: 2731.174+/-0.392 χ^2/NDF: 25003254.0/6

- sign 2697.445+/-0.557 χ^2/NDF: 12368010.5/31

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1274.378+/-505.064 χ^2/NDF:17.5/14

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

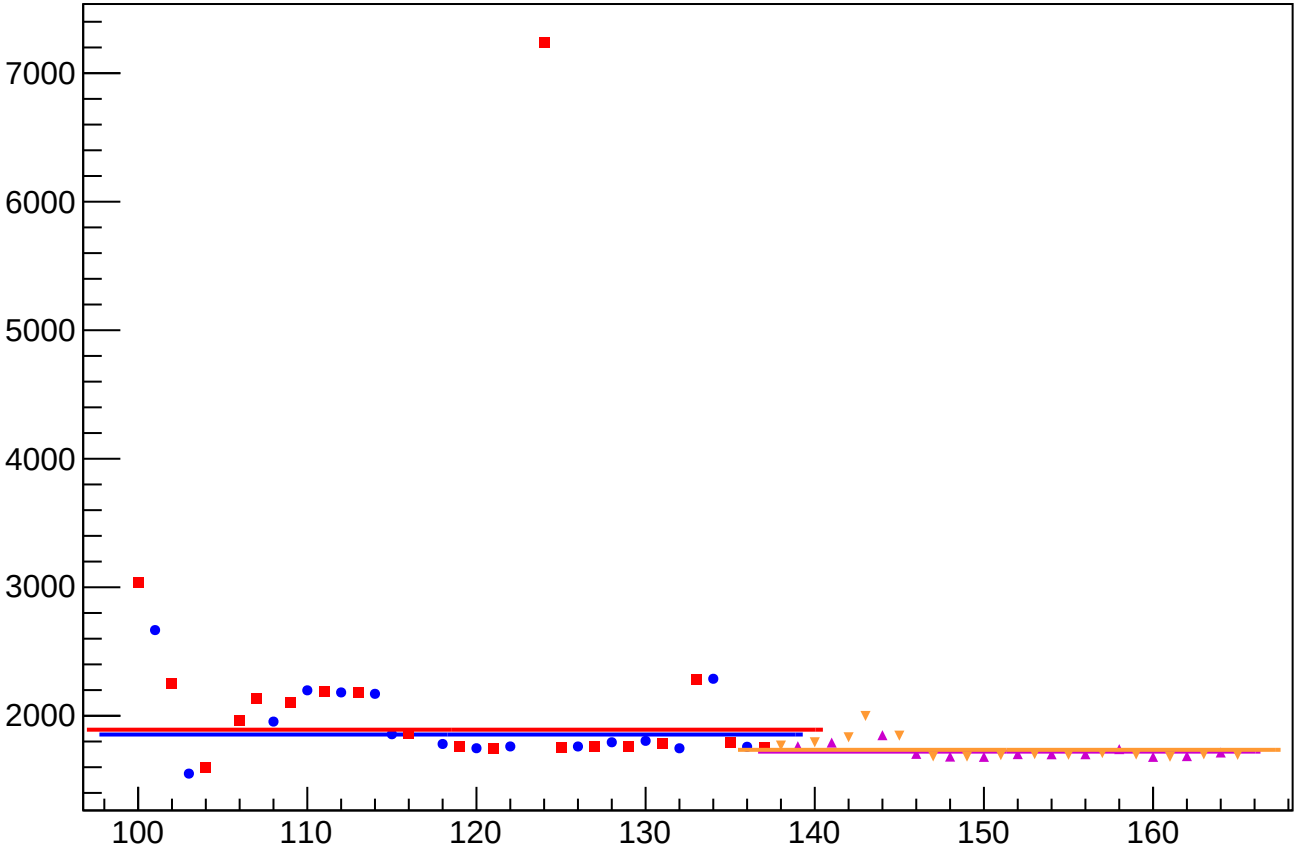
Left In: -2718.328+/-519.858 χ^2/NDF:13.9/12

+ sign 1840.646+/-408.585 χ^2/NDF: 33.6/30

All: -208.897+/-292.455 χ^2/NDF: 116.3/62

- sign -2362.102+/-418.791 χ^2/NDF: 31.1/31

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1735.214+/-0.357 χ^2/NDF:48991.1/14

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

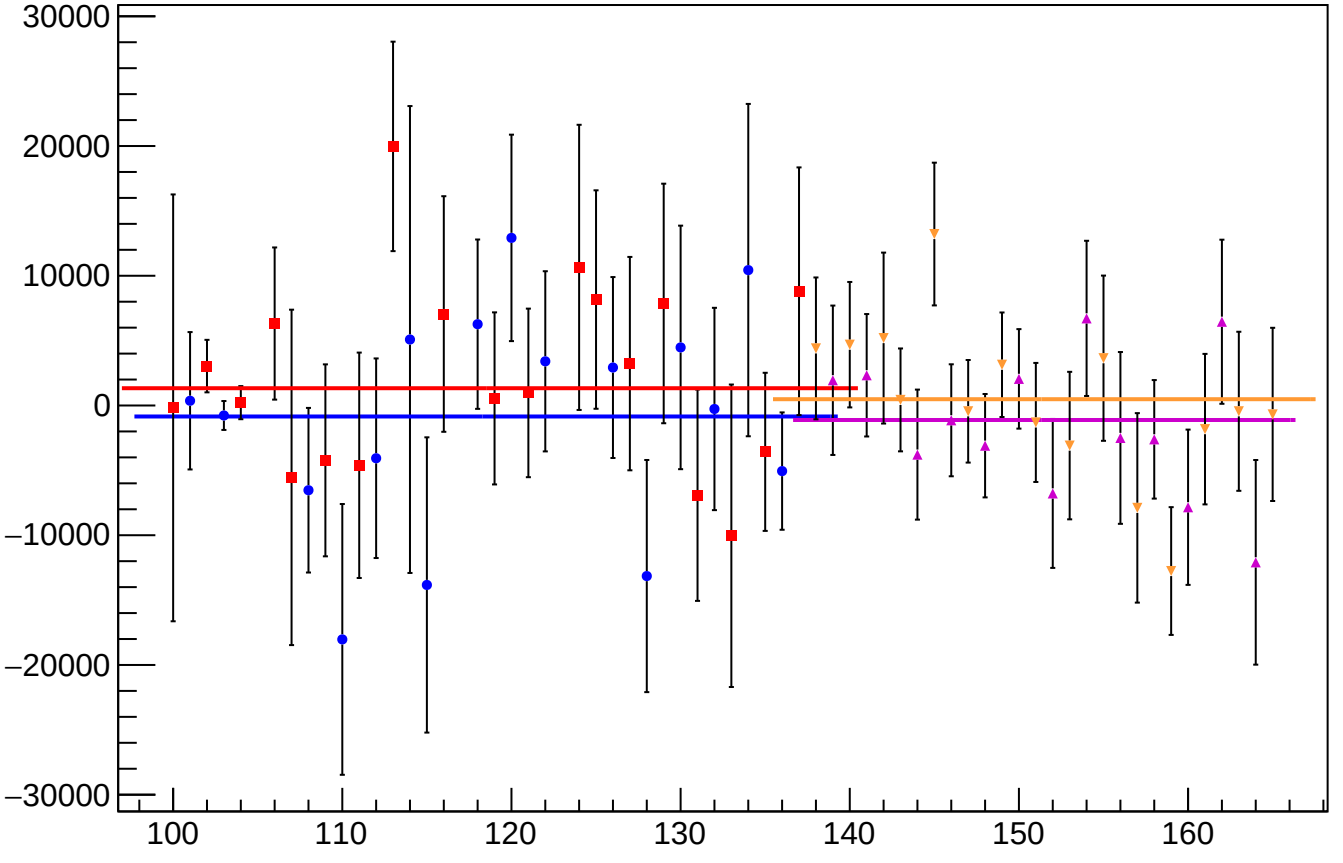
Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

+ sign 1776.370+/-0.289 χ^2/NDF: 350744.3/30

All: 1778.782+/-0.207 χ^2/NDF: 808114.4/62

- sign 1781.312+/-0.296 χ^2/NDF: 457227.3/31

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 484.963+/-1332.233 χ^2/NDF:17.2/14

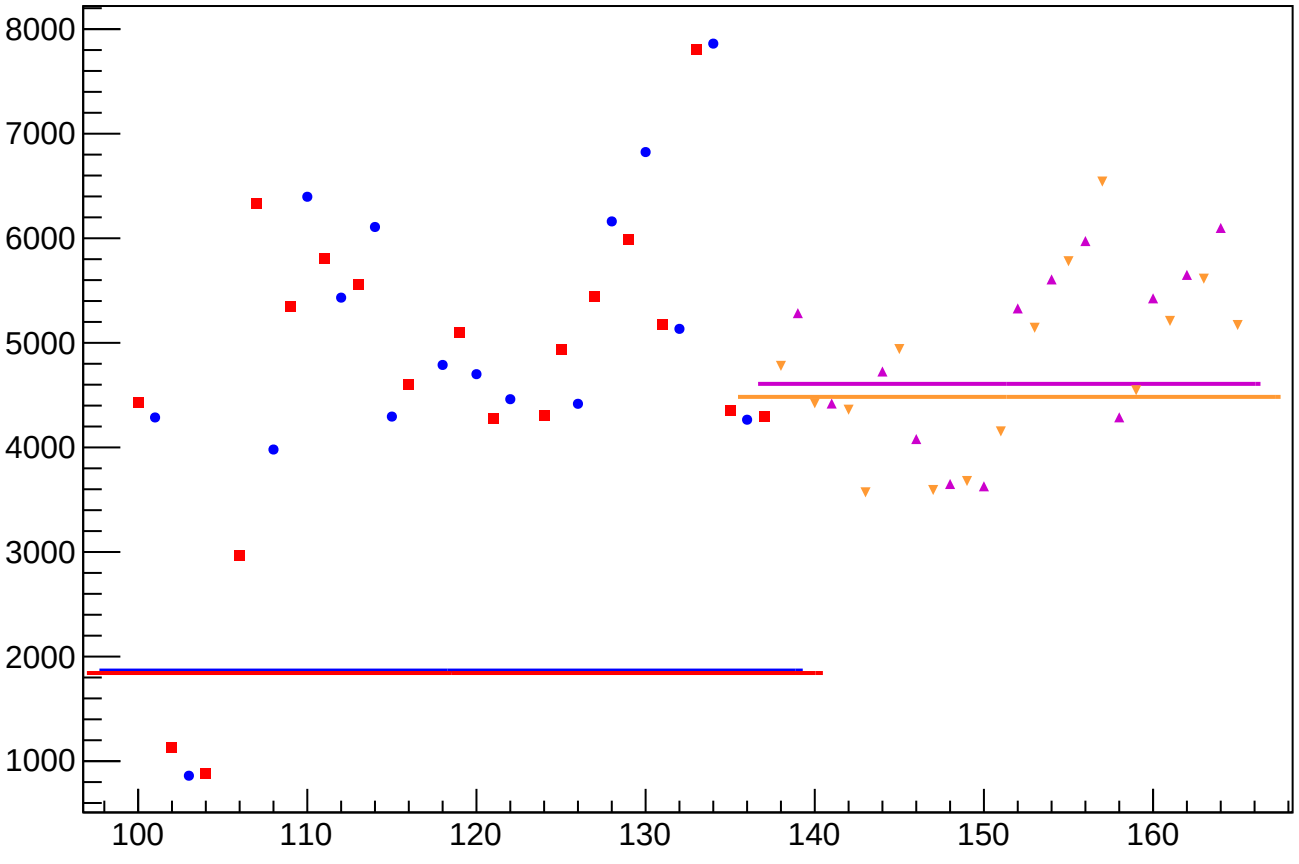
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -1117.876+/-1417.655 χ^2/NDF:9.5/12

+ sign -390.300+/-780.382 χ^2/NDF: 31.7/30

All: 87.273+/-554.533 χ^2/NDF: 58.5/62

- sign 574.380+/-788.133 χ^2/NDF: 26.0/31



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4483.336+/-0.942 χ^2/NDF:708170.0/14

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

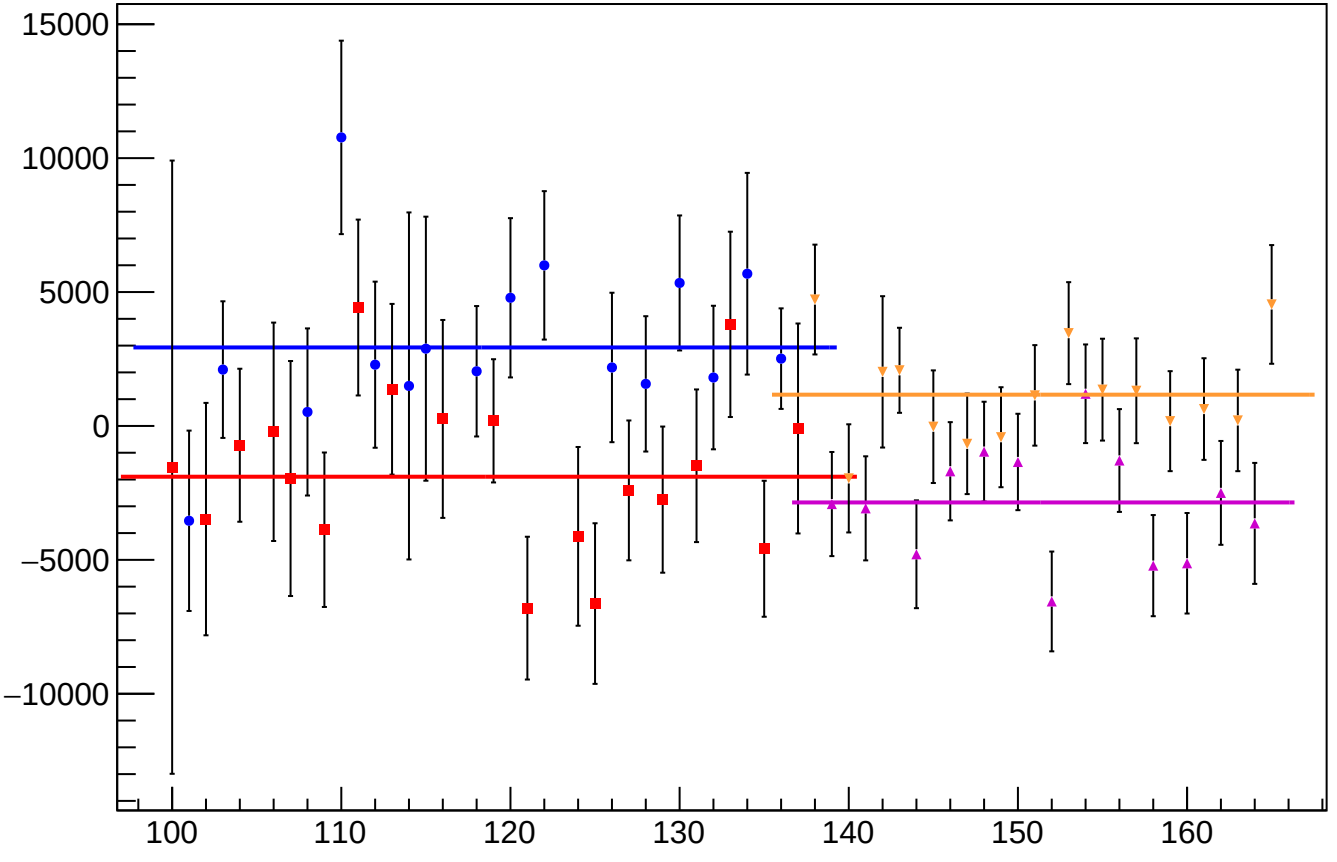
Left In: 4607.824+/-1.002 χ^2/NDF:653082.4/12

+ sign 2764.242+/-0.552 χ^2/NDF: 12627989.4/30

All: 2731.174+/-0.392 χ^2/NDF: 25003254.0/6

- sign 2697.445+/-0.557 χ^2/NDF: 12368010.5/31

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1168.023+/-503.384 χ^2/NDF:12.2/14

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

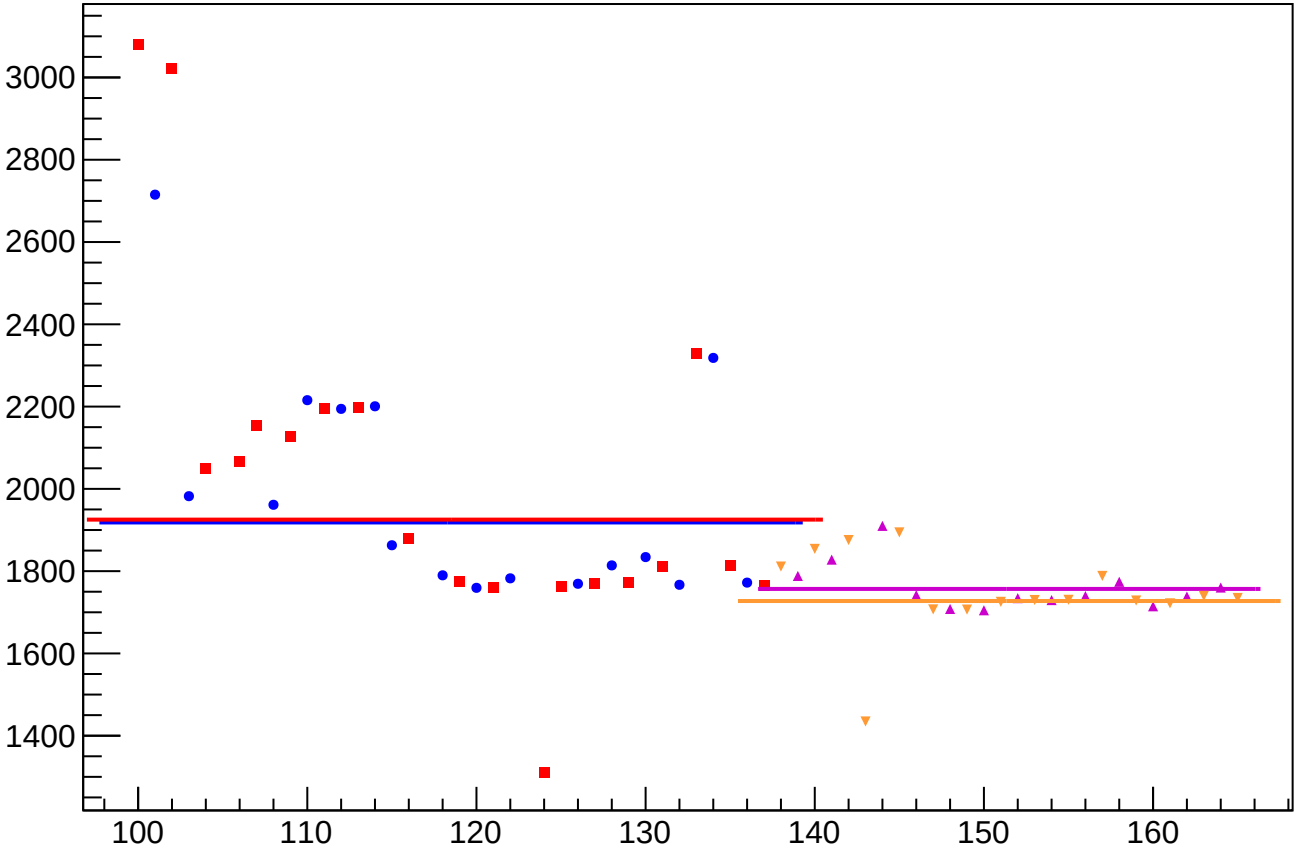
Left In: -2856.213+/-530.663 χ^2/NDF:15.7/12

+ sign 1748.903+/-412.234 χ^2/NDF: 29.2/30

All: -307.188+/-296.771 χ^2/NDF: 115.1/62

- sign -2519.226+/-427.582 χ^2/NDF: 34.3/31

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.416+/-0.356 χ^2/NDF:99870.5/14

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

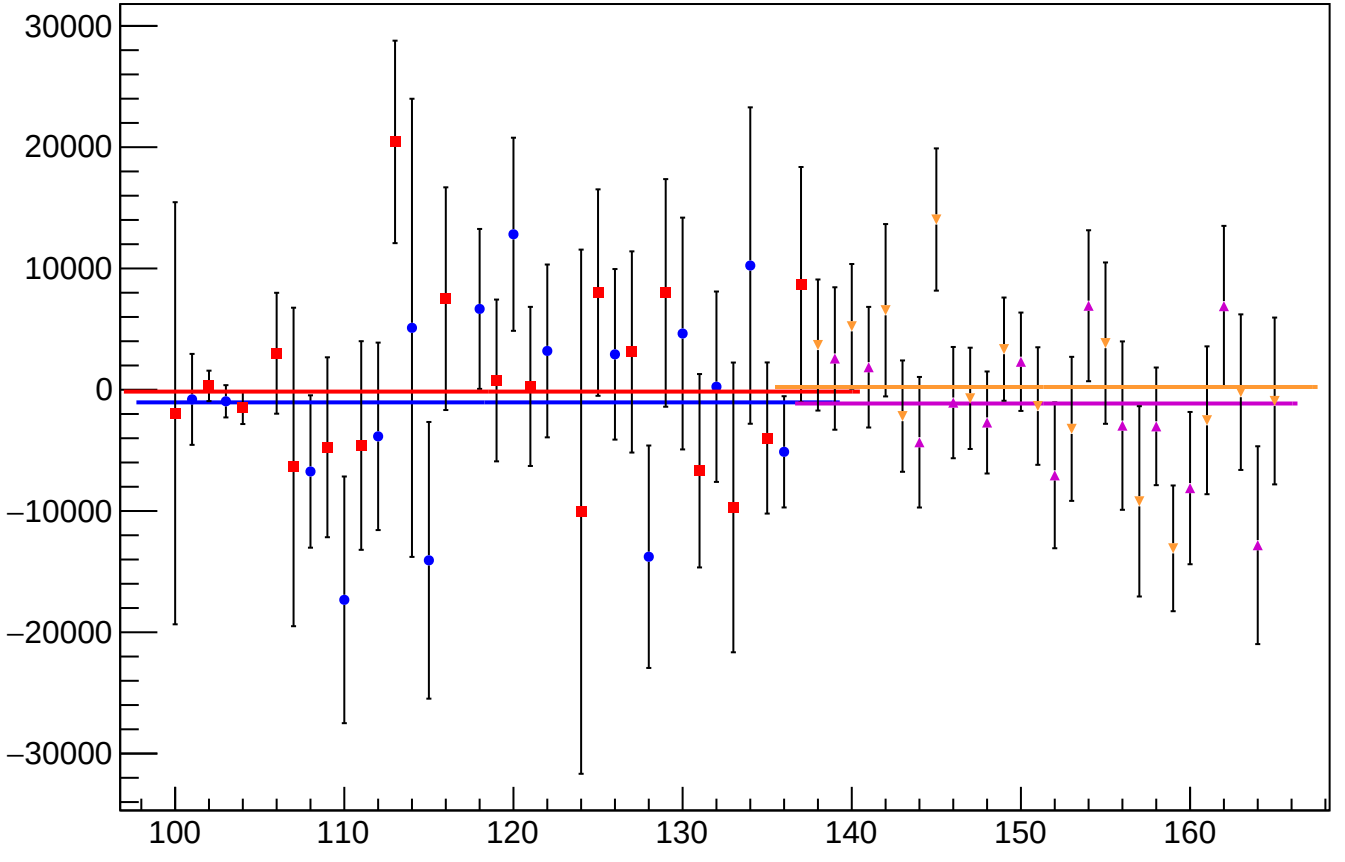
Left In: 1756.797+/-0.375 χ^2/NDF:20225.7/12

+ sign 1790.307+/-0.291 χ^2/NDF: 410250.1/30

All: 1802.665+/-0.210 χ^2/NDF: 844076.0/62

- sign 1815.951+/-0.302 χ^2/NDF: 430096.4/31

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 226.186+/-1413.684 χ^2/NDF:17.6/14

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

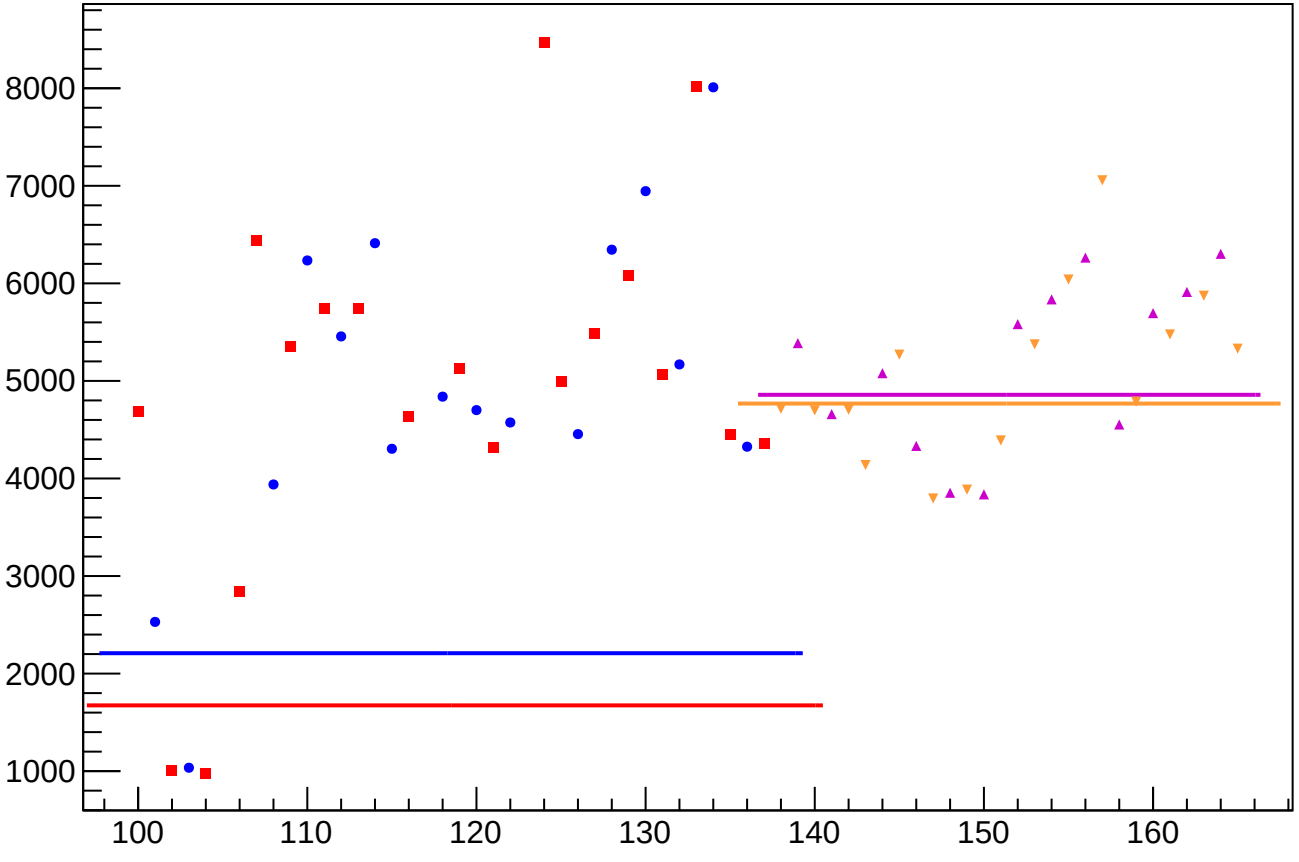
Left In: -1135.320+/-1492.875 χ^2/NDF:9.6/12

+ sign -578.719+/-854.389 χ^2/NDF: 31.9/30

All: -468.278+/-554.649 χ^2/NDF: 55.6/62

- sign -387.833+/-729.188 χ^2/NDF: 23.7/31

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4767.846+/-1.000 χ^2/NDF:623637.3/14

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

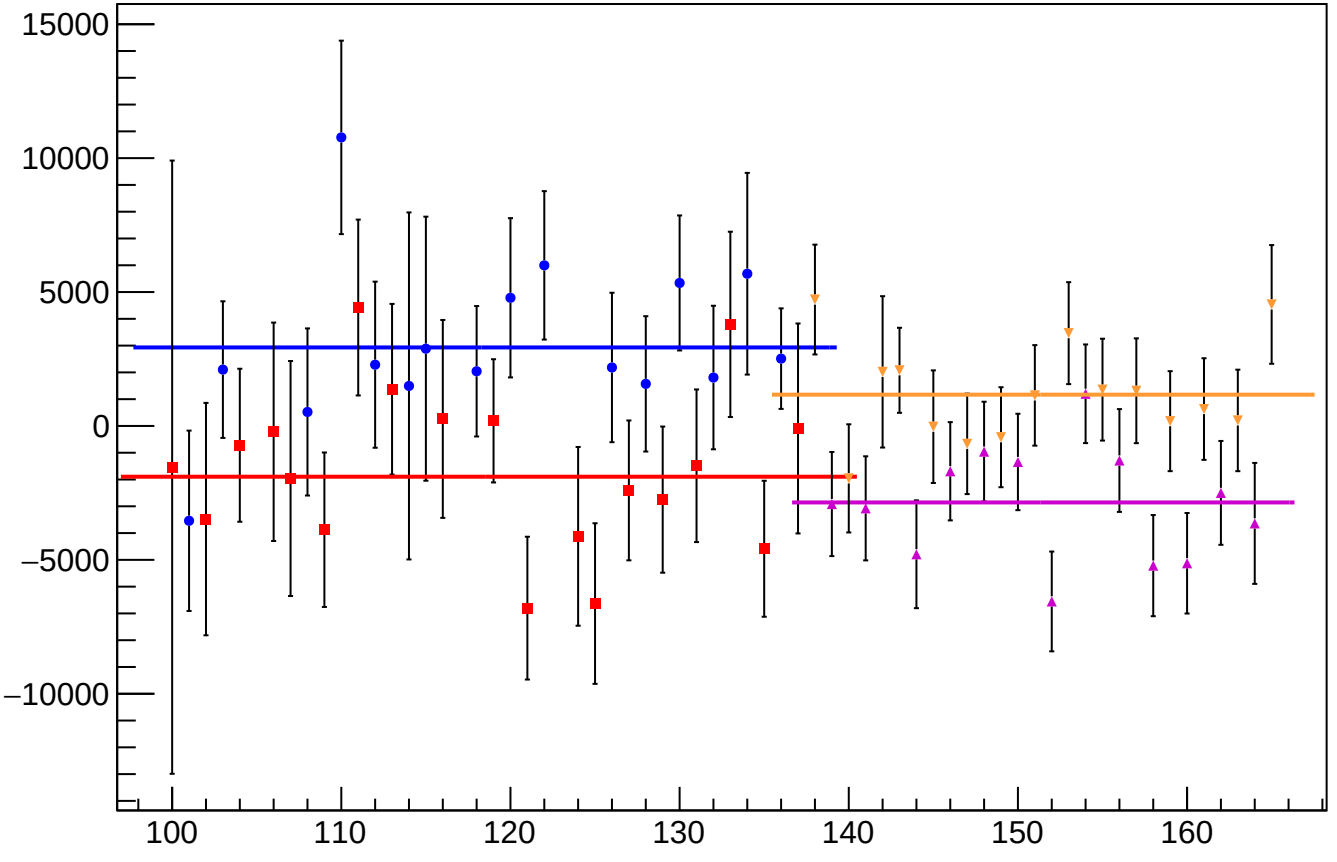
Left In: 4857.510+/-1.056 χ^2/NDF:606978.1/12

+ sign 3143.599+/-0.604 χ^2/NDF: 10282105.1/30

All: 2732.838+/-0.392 χ^2/NDF: 25465581.2/6

- sign 2433.642+/-0.516 χ^2/NDF: 14384491.0/31

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1168.013+/-503.384 χ^2/NDF:12.2/14

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

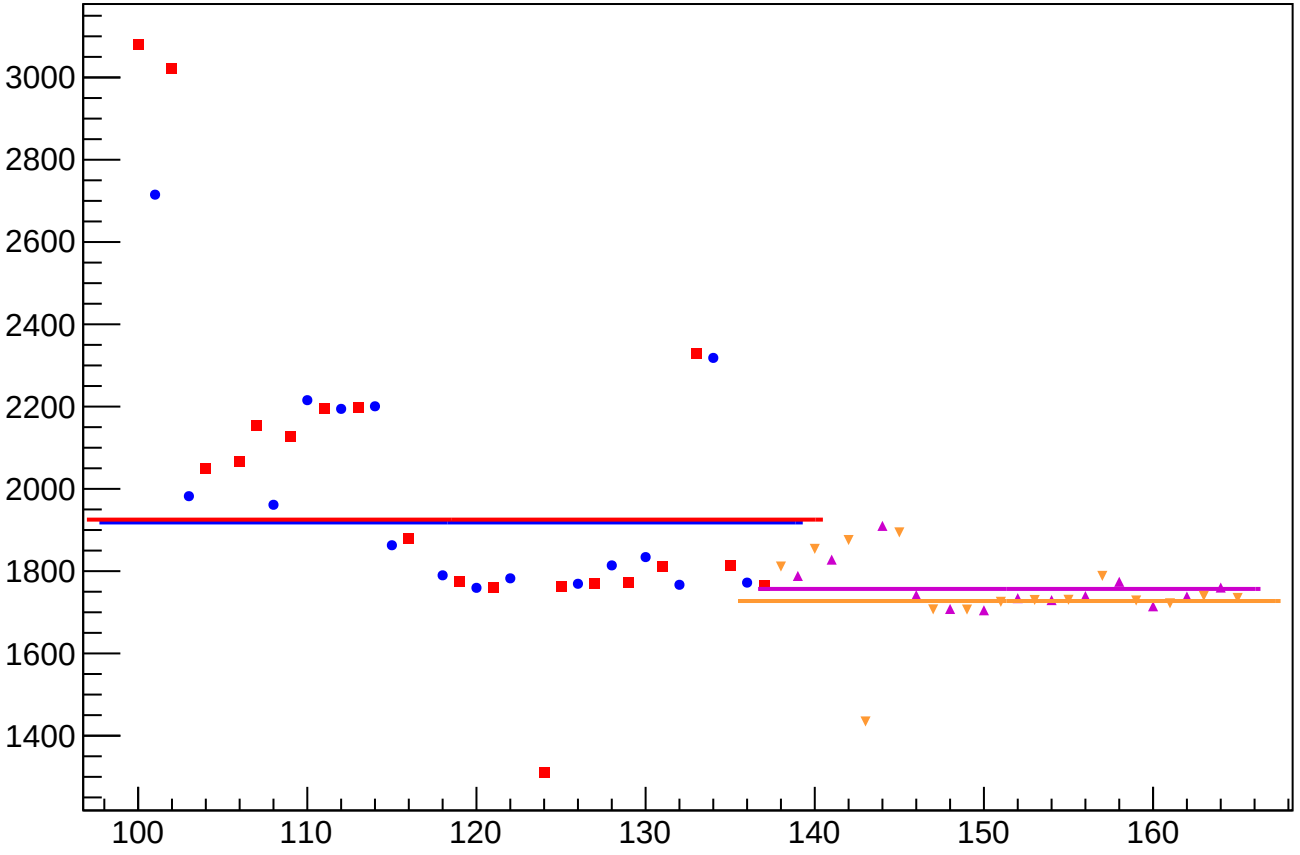
Left In: -2856.215+/-530.664 χ^2/NDF:15.7/12

+ sign 1748.898+/-412.234 χ^2/NDF: 29.2/30

All: -307.193+/-296.771 χ^2/NDF: 115.1/62

- sign -2519.230+/-427.582 χ^2/NDF: 34.3/31

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.417+/-0.356 χ^2/NDF:99869.6/14

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

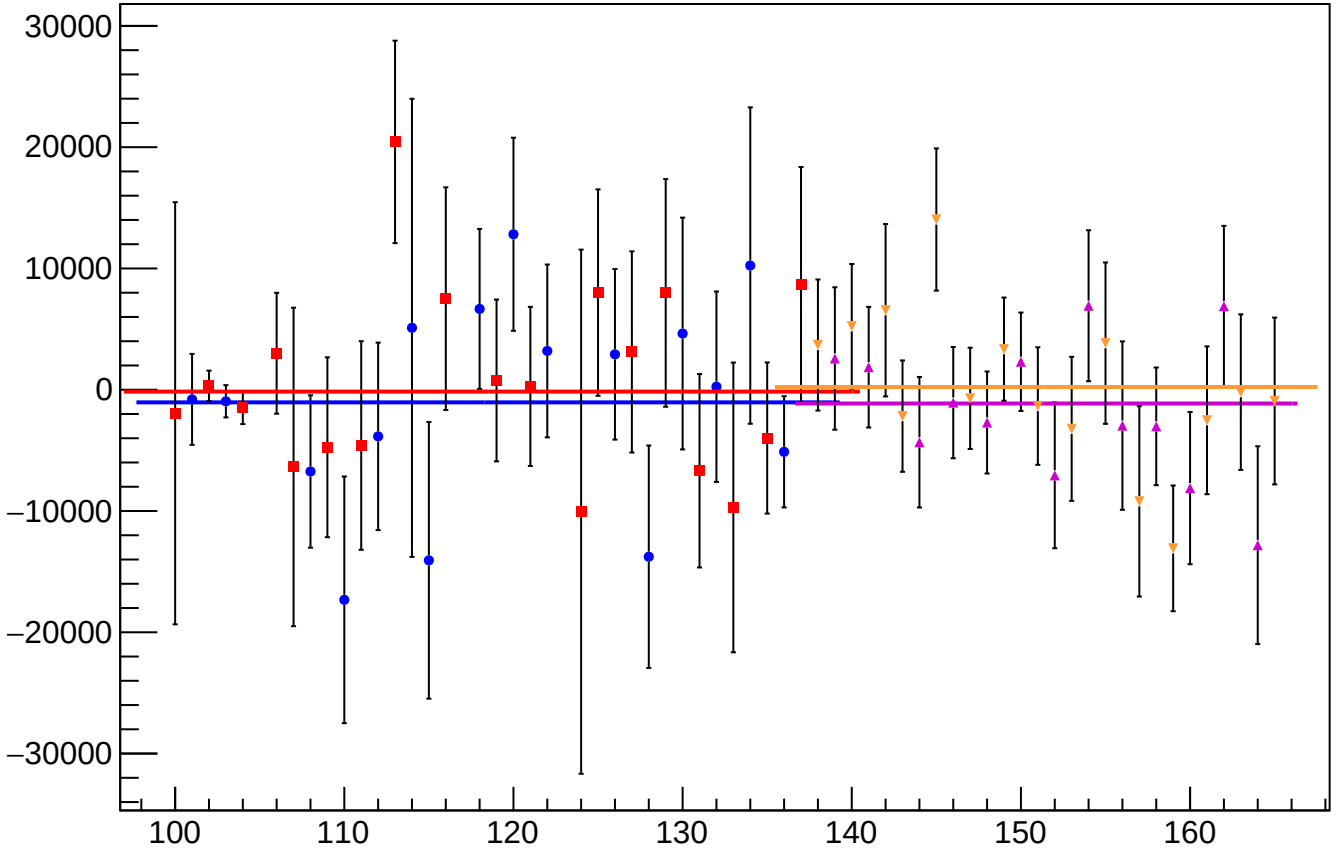
Left In: 1756.798+/-0.375 χ^2/NDF:20225.6/12

+ sign 1790.308+/-0.291 χ^2/NDF: 410247.4/30

All: 1802.665+/-0.210 χ^2/NDF: 844070.8/62

- sign 1815.952+/-0.302 χ^2/NDF: 430093.9/31

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 226.182+/-1413.686 χ^2/NDF:17.6/14

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

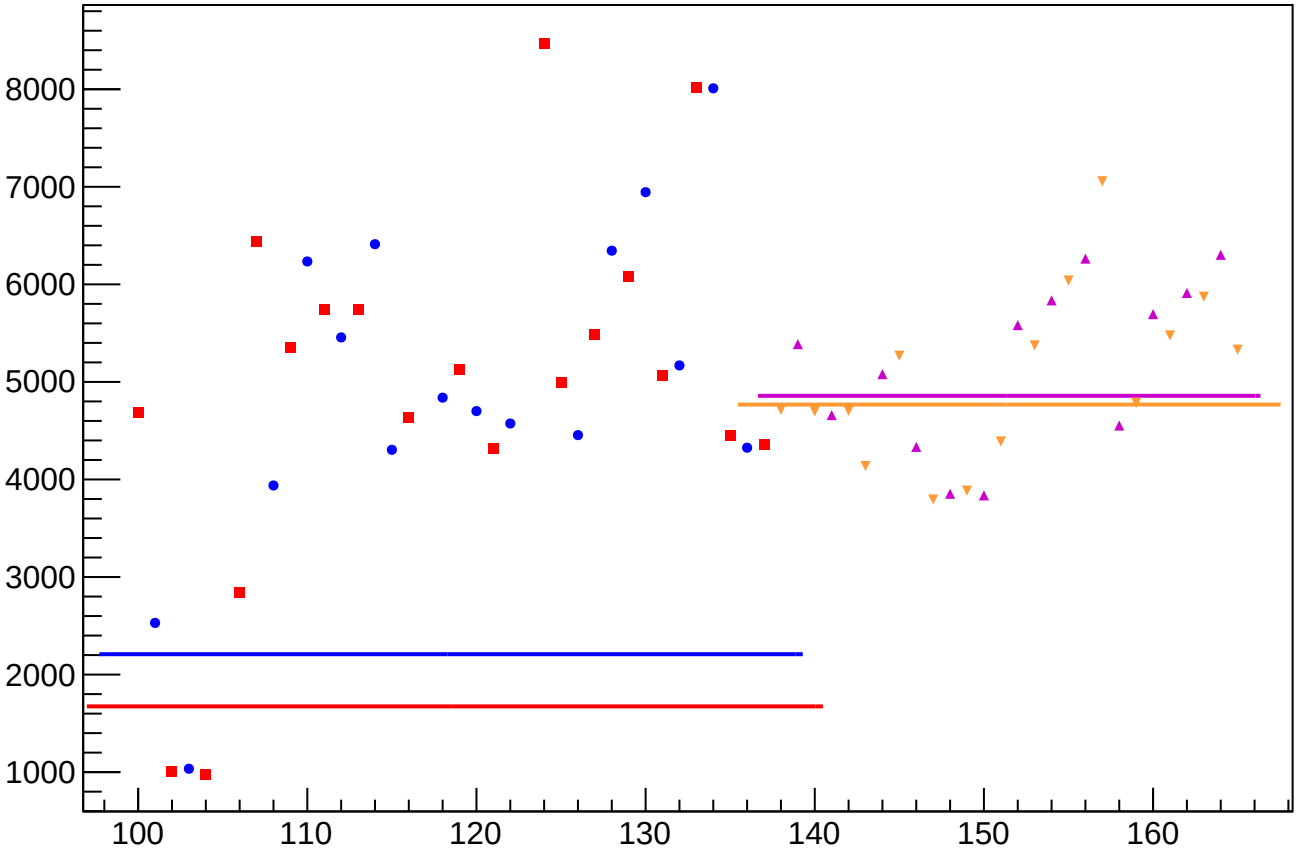
Left In: -1135.317+/-1492.878 χ^2/NDF:9.6/12

+ sign -578.720+/-854.389 χ^2/NDF: 31.9/30

All: -468.275+/-554.649 χ^2/NDF: 55.6/62

- sign -387.827+/-729.188 χ^2/NDF: 23.7/31

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4767.854+/-1.000 χ^2/NDF:623637.4/14

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

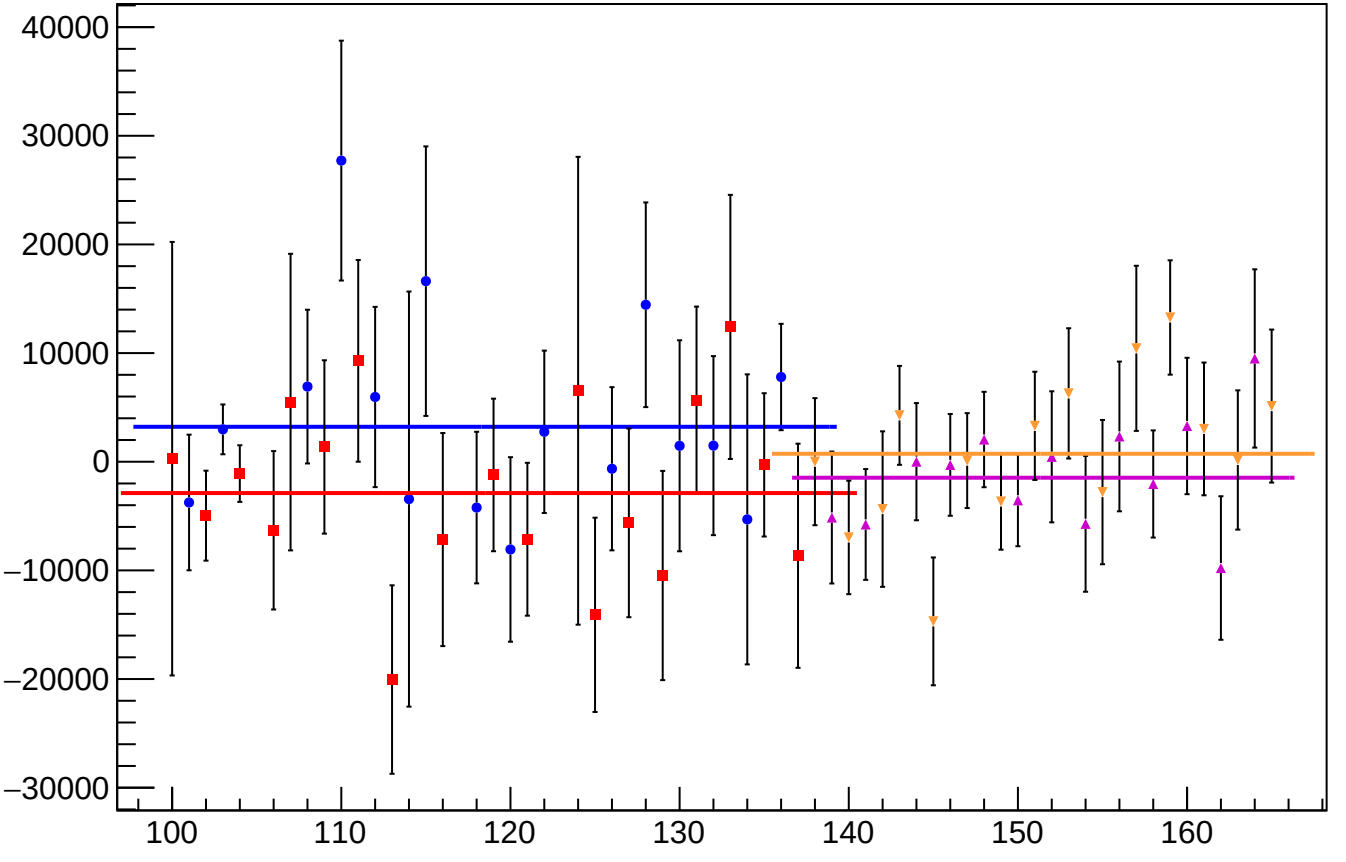
Left In: 4857.517+/-1.056 χ^2/NDF:606977.6/12

+ sign 3143.598+/-0.604 χ^2/NDF: 10282120.1/30

All: 2732.838+/-0.392 χ^2/NDF: 25465608.0/6

- sign 2433.641+/-0.516 χ^2/NDF: 14384502.1/31

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 733.591+/-1441.104 χ^2/NDF:20.4/14

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

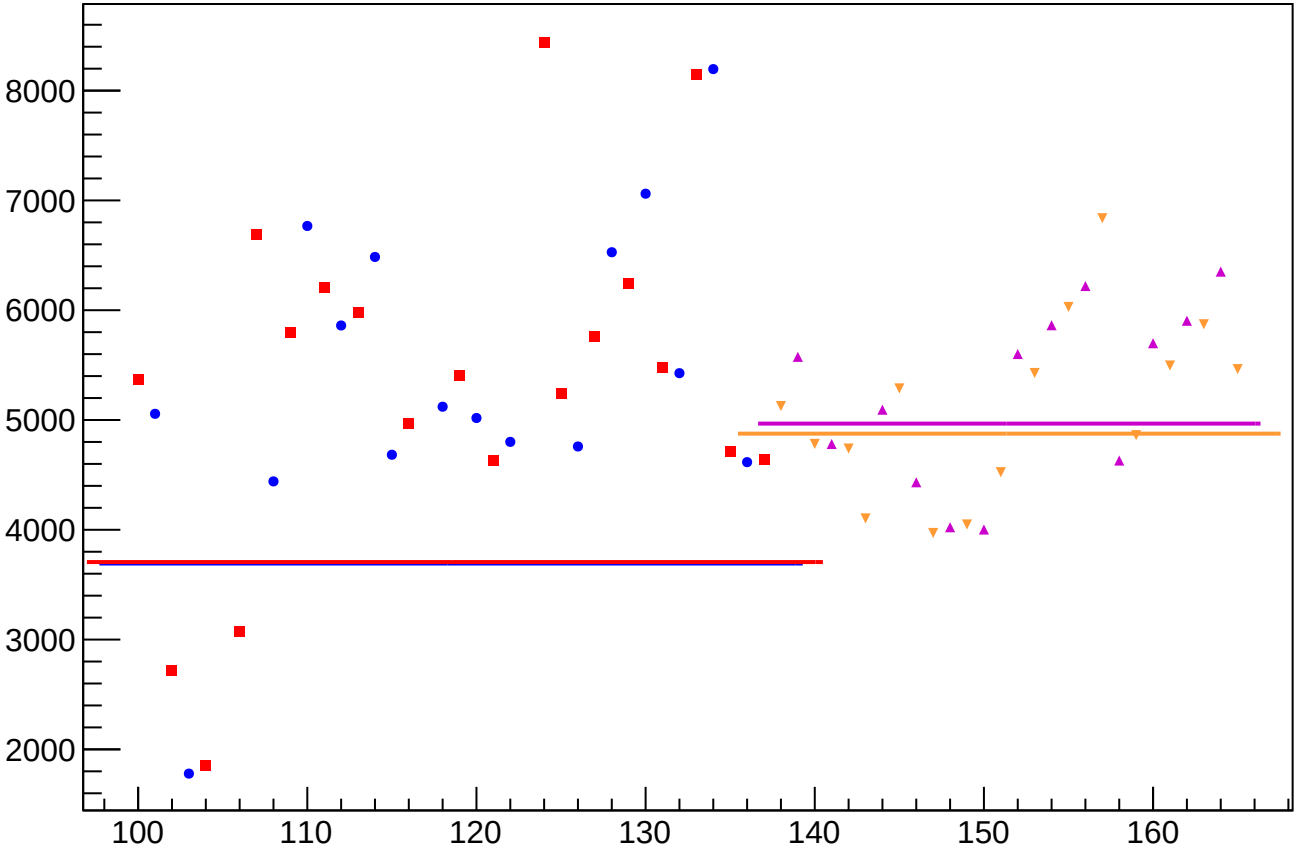
Left In: -1470.958+/-1521.866 χ^2/NDF:6.9/12

+ sign 1892.984+/-1052.005 χ^2/NDF: 35.6/30

All: -69.439+/-755.835 χ^2/NDF: 63.6/62

- sign -2163.285+/-1086.660 χ^2/NDF: 20.7/31

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4875.683+/-1.019 χ^2/NDF:531523.7/14

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

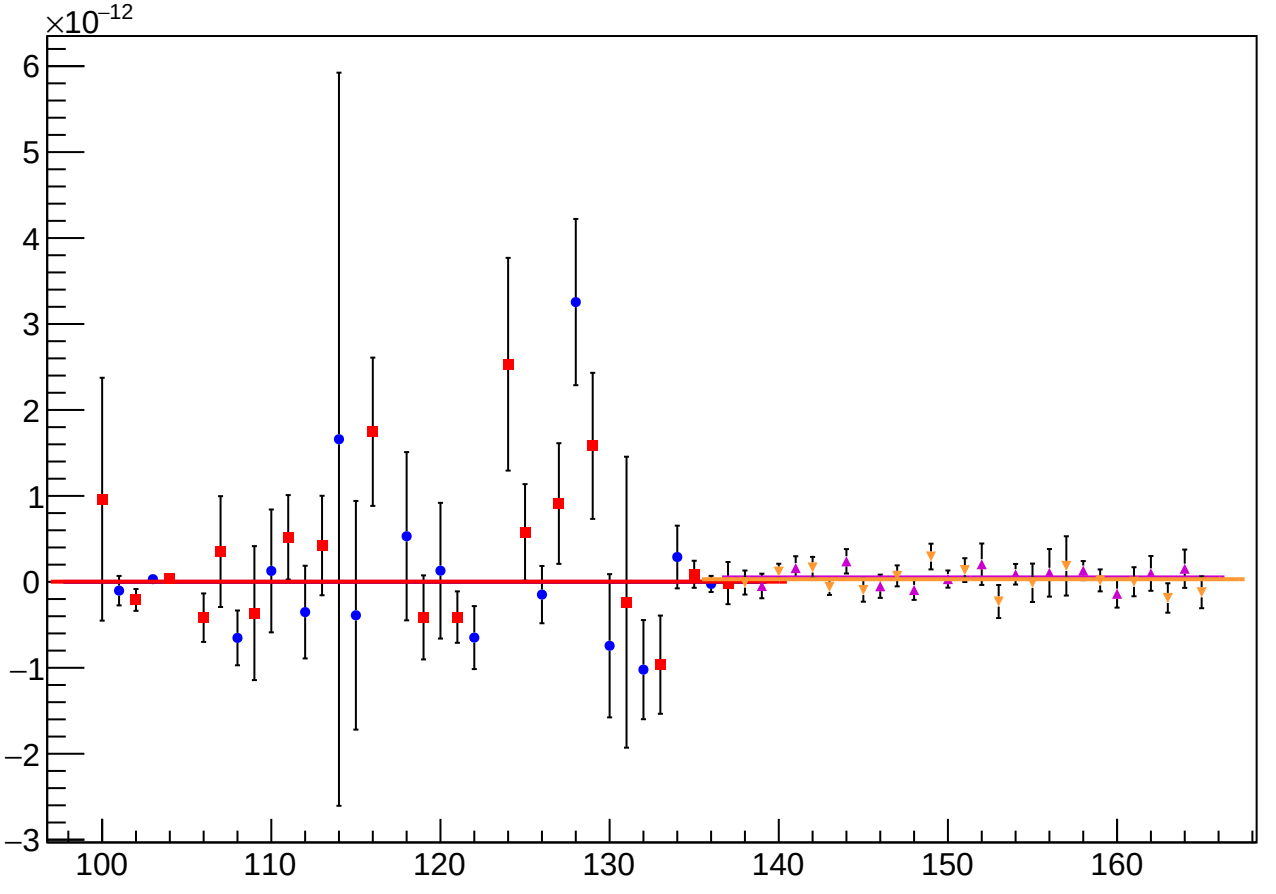
Left In: 4967.140+/-1.076 χ^2/NDF:509349.8/12

+ sign 4323.164+/-0.744 χ^2/NDF: 4046575.7/30

All: 4332.662+/-0.533 χ^2/NDF: 7920783.2/62

- sign 4342.696+/-0.765 χ^2/NDF: 3873872.3/31

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:12.2/14

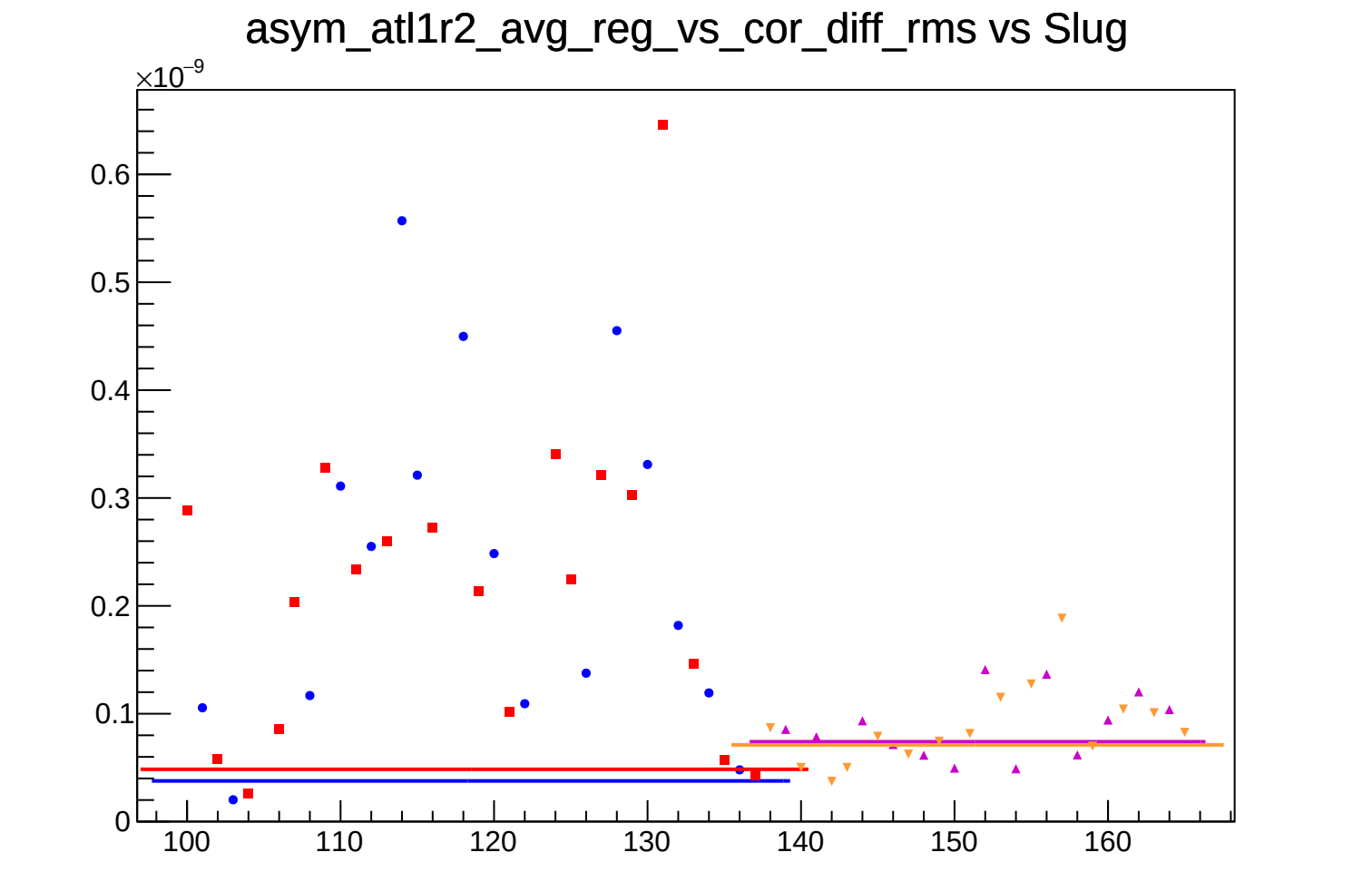
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/12

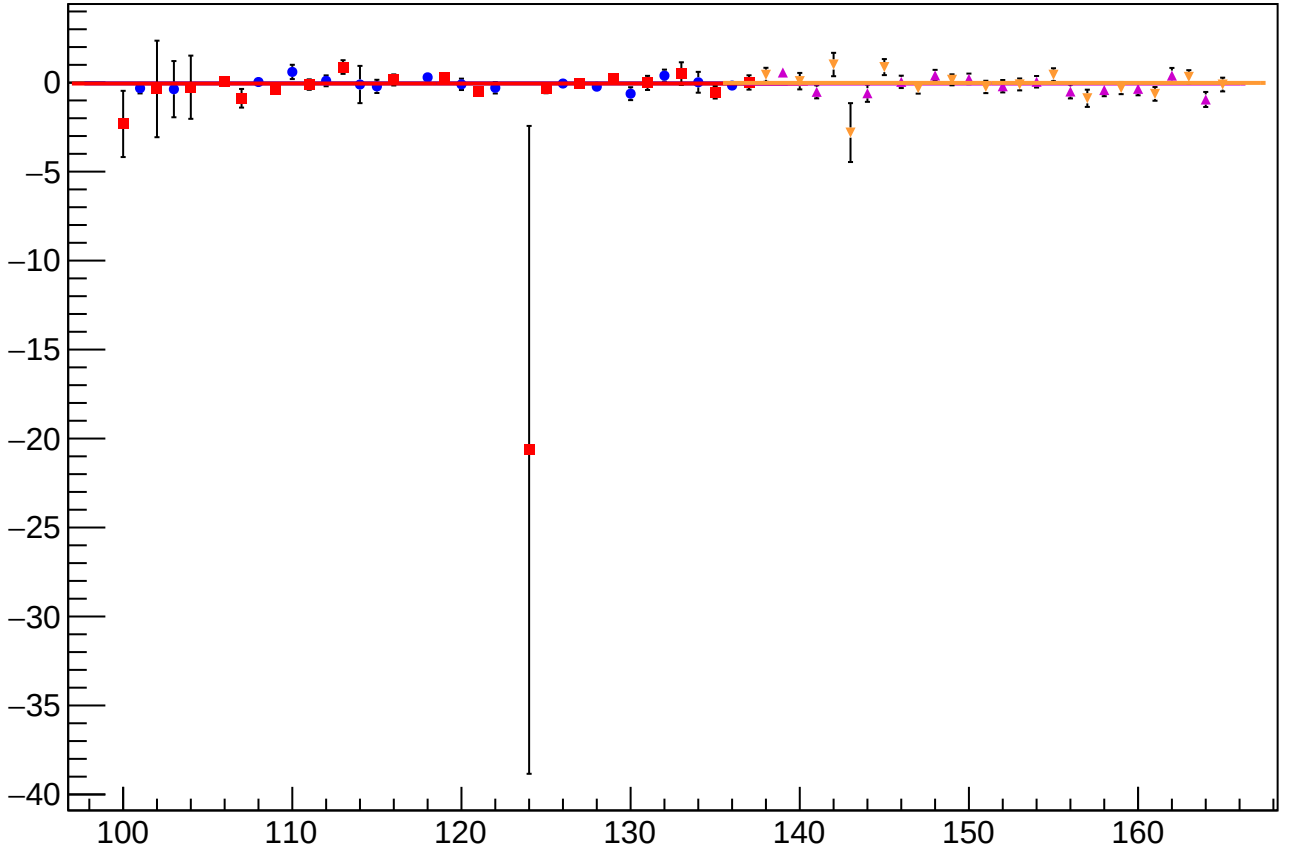
+ sign 0.000+/-0.000 χ^2/NDF: 37.9/30

All: 0.000+/-0.000 χ^2/NDF: 74.7/62

- sign 0.000+/-0.000 χ^2/NDF: 36.7/31


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1019591.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:736289.5/12
+ sign 0.000+/-0.000 χ²/NDF: 5020009.2/30
All: 0.000+/-0.000 χ²/NDF: 9106660.3/62
- sign 0.000+/-0.000 χ²/NDF: 3997742.7/31

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

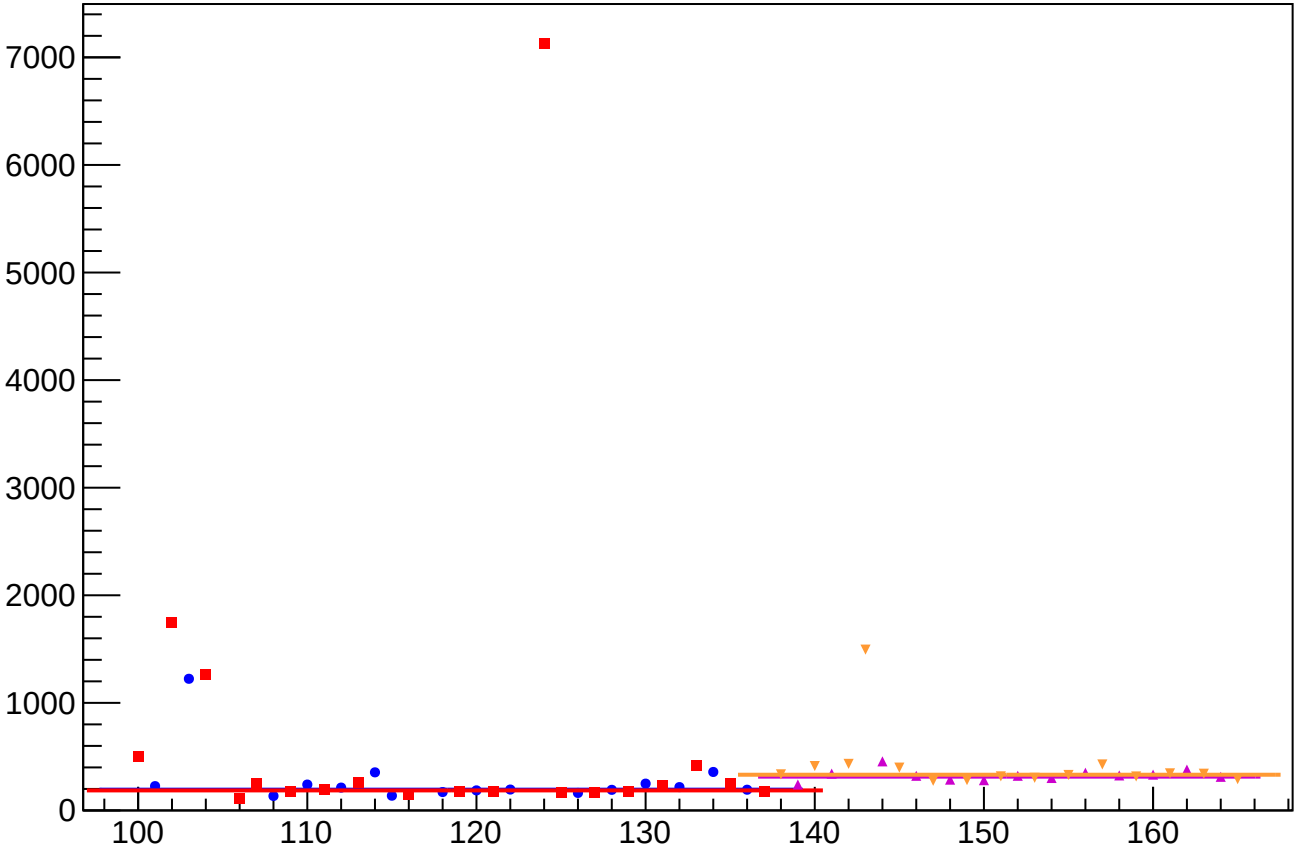
Left In: -0.051+/-0.097 χ^2/NDF:19.9/12

+ sign -0.031+/-0.062 χ^2/NDF: 33.1/30

All: -0.041+/-0.043 χ^2/NDF: 76.0/62

- sign -0.050+/-0.061 χ^2/NDF: 42.9/31

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 332.040+/-0.071 χ^2/NDF:1387259.7/14

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

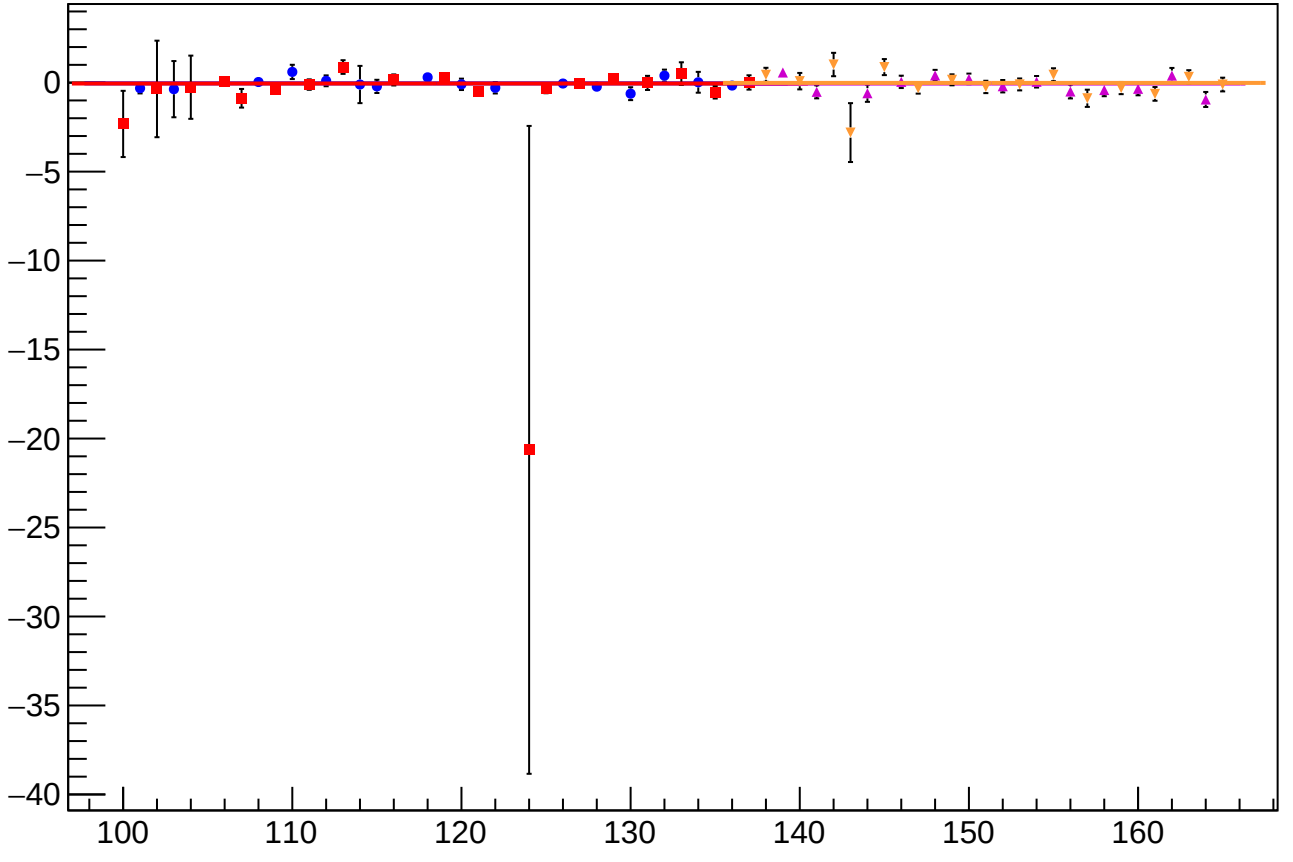
Left In: 314.352+/-0.069 χ^2/NDF:443922.5/12

+ sign 244.875+/-0.044 χ^2/NDF: 5166046.2/30

All: 240.954+/-0.031 χ^2/NDF: 10195617.3/62

- sign 237.083+/-0.043 χ^2/NDF: 5013476.9/31

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

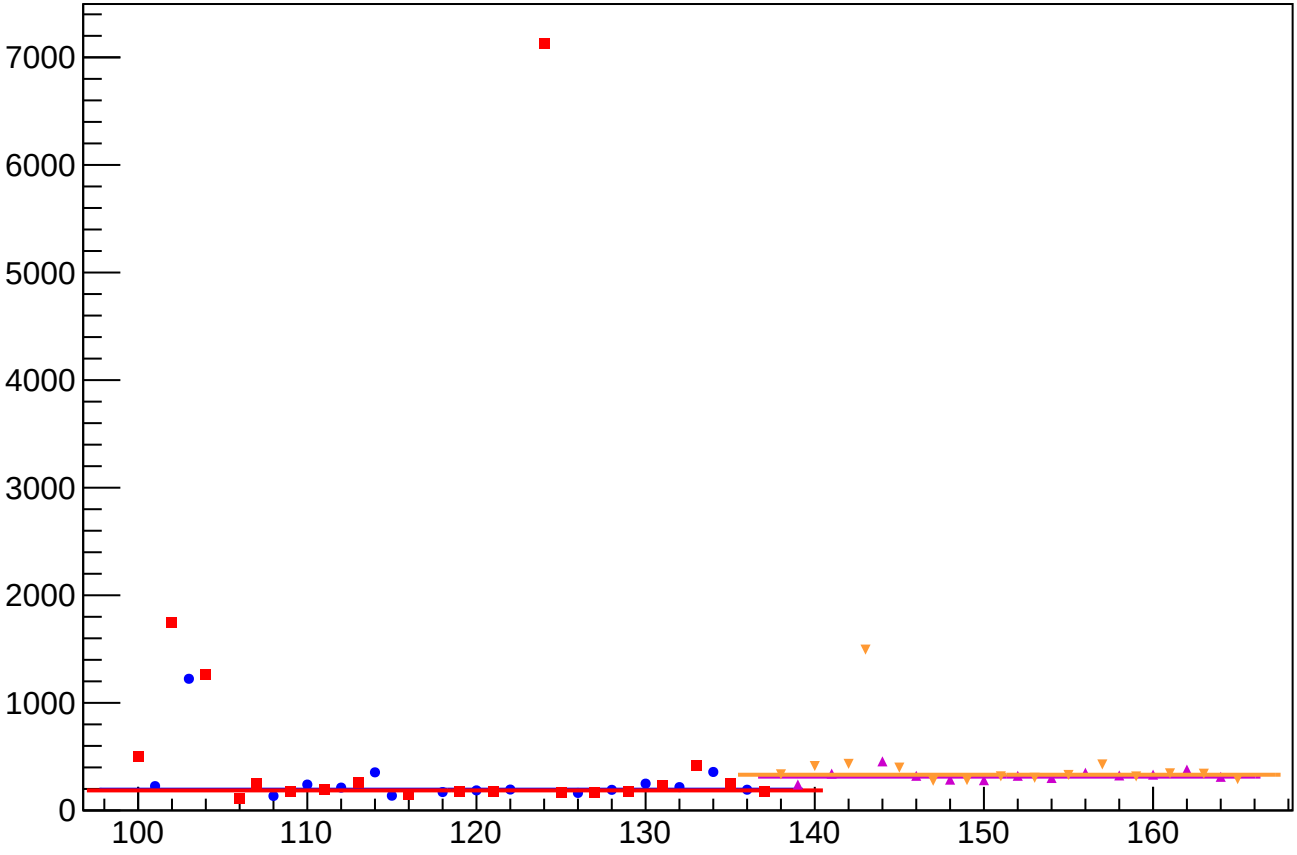
Left In: -0.051+/-0.097 χ^2/NDF:19.9/12

+ sign -0.031+/-0.062 χ^2/NDF: 33.1/30

All: -0.041+/-0.043 χ^2/NDF: 76.0/62

- sign -0.050+/-0.061 χ^2/NDF: 42.9/31

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: 332.040+/-0.071 χ^2/NDF:1387259.7/14

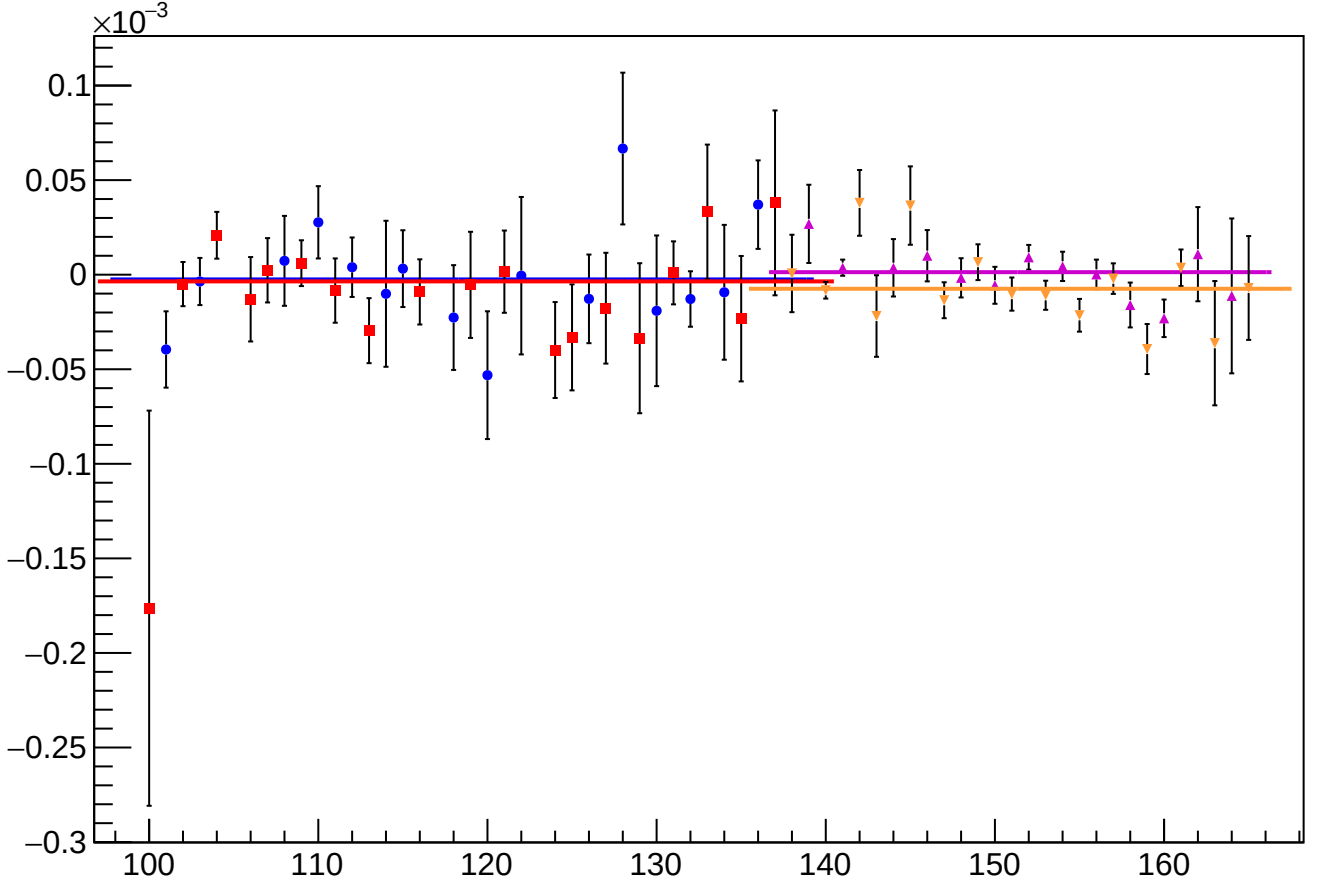
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.352+/-0.069 χ^2/NDF:443922.5/12

+ sign 244.875+/-0.044 χ^2/NDF: 5166046.2/30

All: 240.954+/-0.031 χ^2/NDF: 10195617.3/62

- sign 237.083+/-0.043 χ^2/NDF: 5013476.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

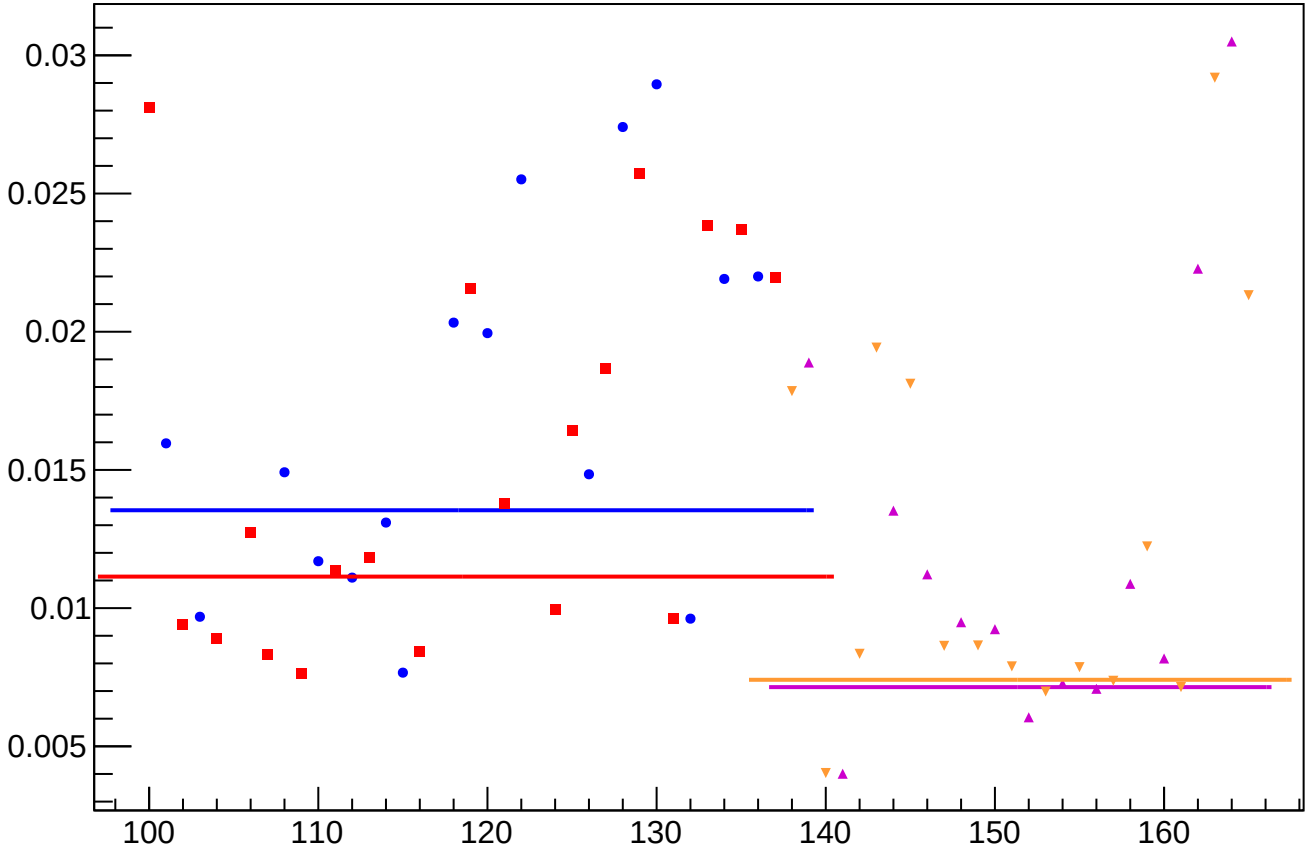
Left In: 0.000+/-0.000 χ^2/NDF:12.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/30

All: -0.000+/-0.000 χ^2/NDF: 77.2/62

- sign 0.000+/-0.000 χ^2/NDF: 30.1/31

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:4604721.6/14

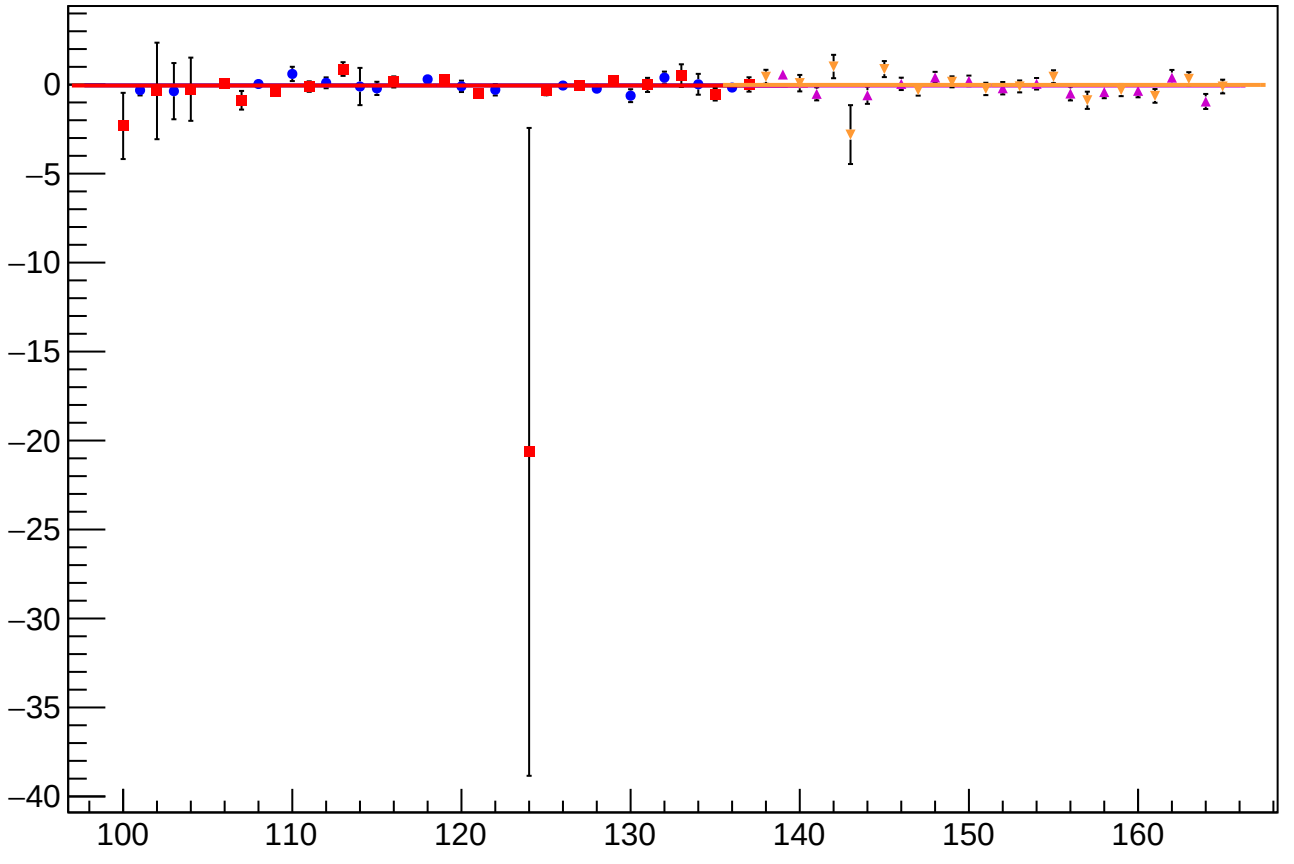
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4121099.7/12

+ sign 0.008+/-0.000 χ^2/NDF: 8576512.0/30

All: 0.008+/-0.000 χ^2/NDF: 15841717.3/62

- sign 0.008+/-0.000 χ^2/NDF: 7235657.2/31



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.015+/-0.101 χ^2/NDF:21.3/14

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

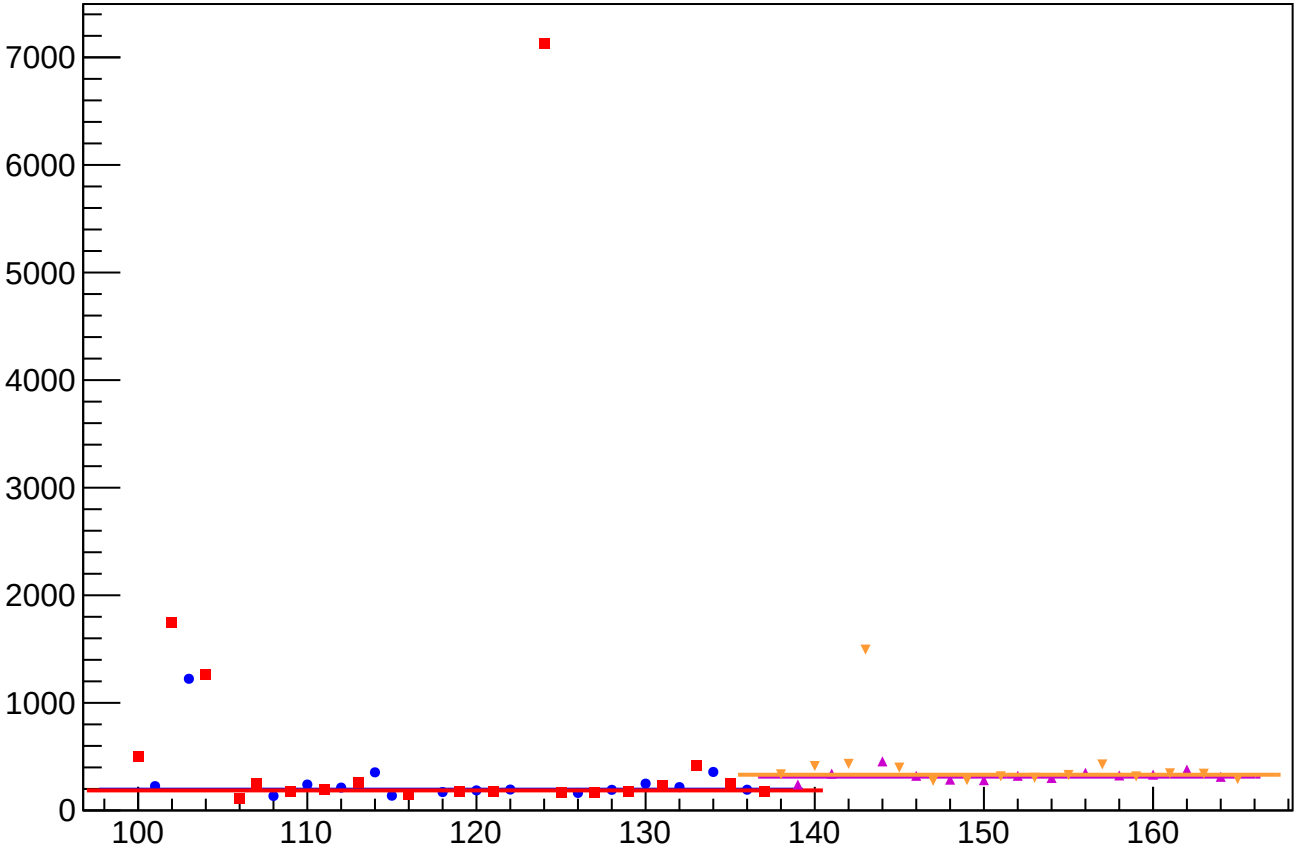
Left In: -0.051+/-0.097 χ^2/NDF:19.9/12

+ sign -0.031+/-0.062 χ^2/NDF: 33.1/30

All: -0.041+/-0.043 χ^2/NDF: 76.0/62

- sign -0.050+/-0.061 χ^2/NDF: 42.9/31

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: 332.046+/-0.071 χ^2/NDF:1387227.7/14

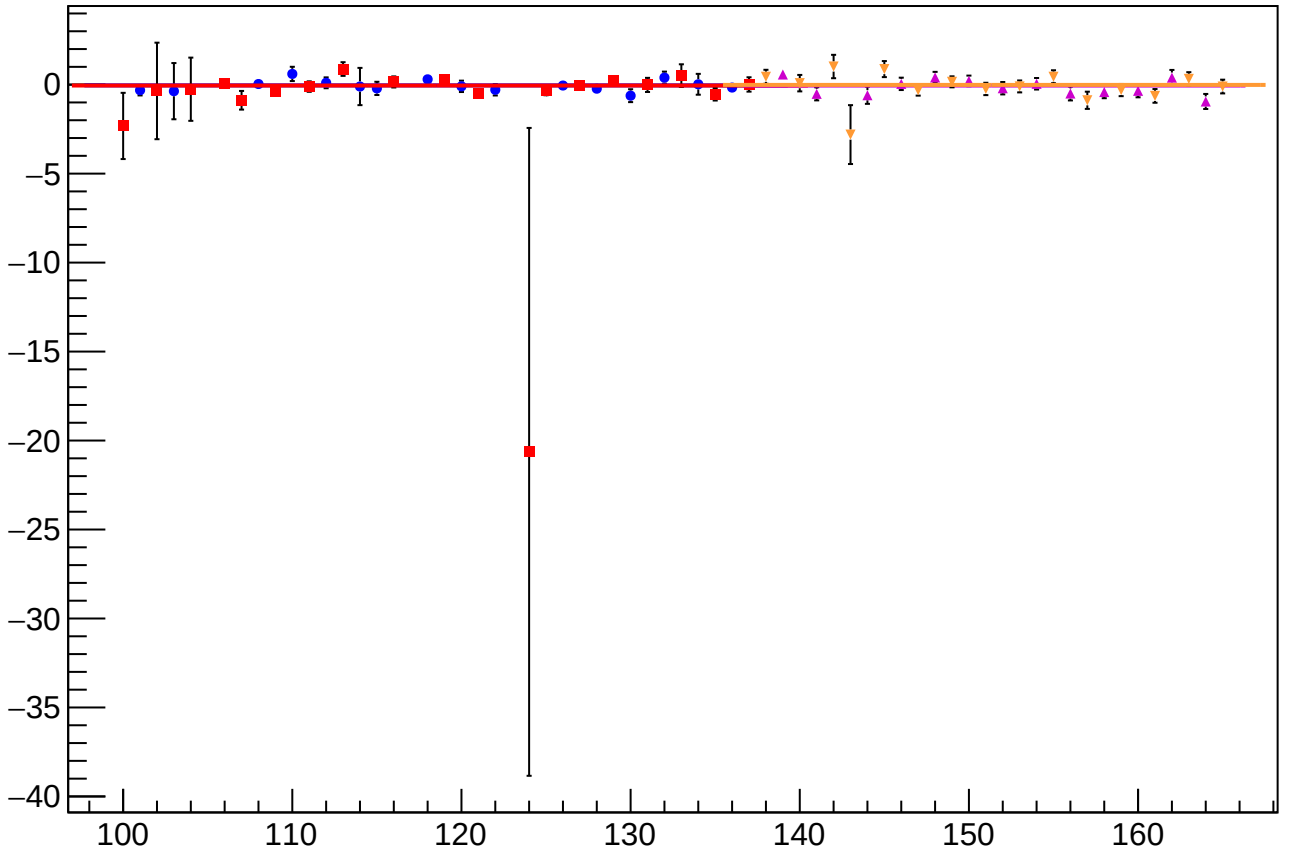
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.357+/-0.069 χ^2/NDF:443911.3/12

+ sign 244.875+/-0.044 χ^2/NDF: 5166213.4/30

All: 240.953+/-0.031 χ^2/NDF: 10196014.9/62

- sign 237.082+/-0.043 χ^2/NDF: 5013704.9/31



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.015+/-0.101 χ^2/NDF:21.3/14

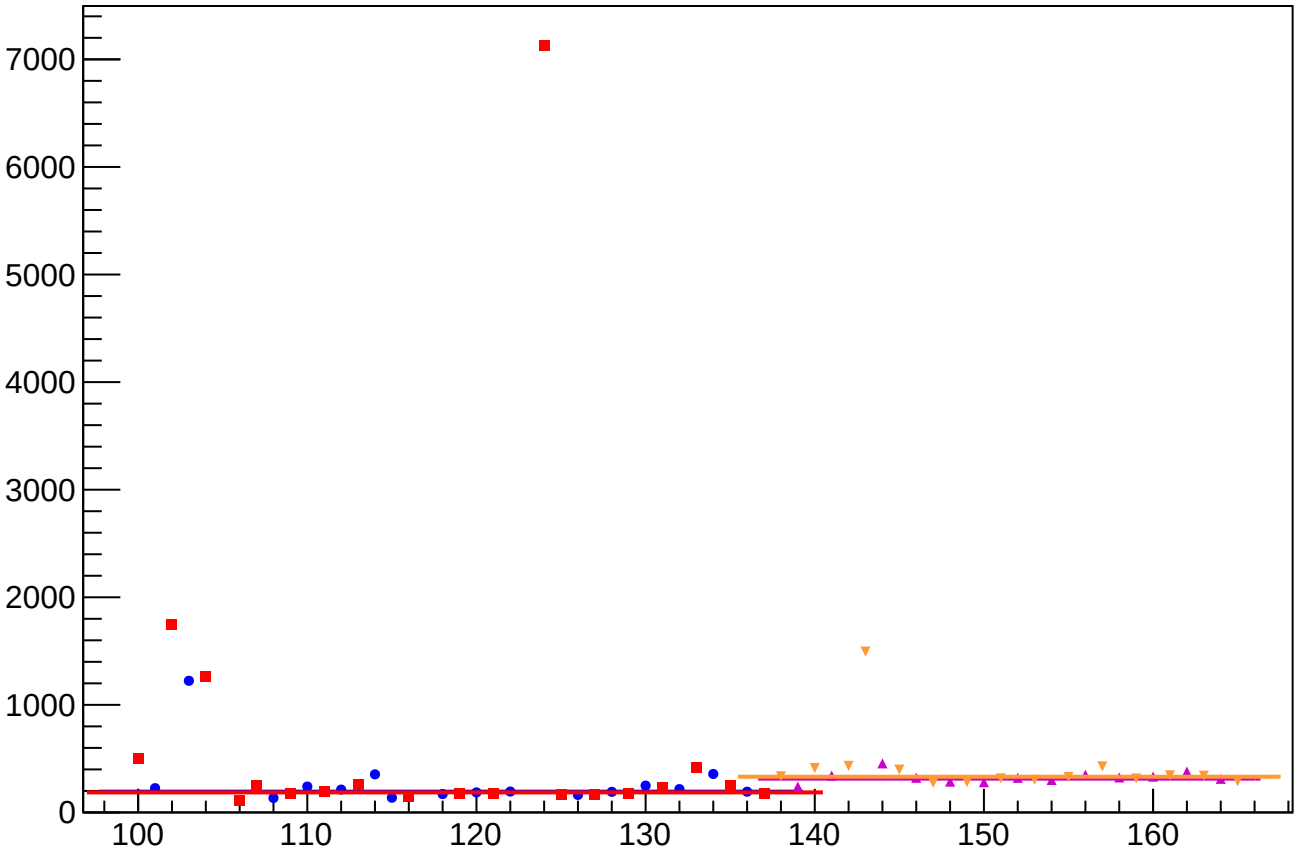
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.051+/-0.097 χ^2/NDF:19.9/12

+ sign -0.031+/-0.062 χ^2/NDF: 33.1/30

All: -0.041+/-0.043 χ^2/NDF: 76.0/62

- sign -0.050+/-0.061 χ^2/NDF: 42.9/31



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 332.046+/-0.071 χ^2/NDF:1387227.7/14

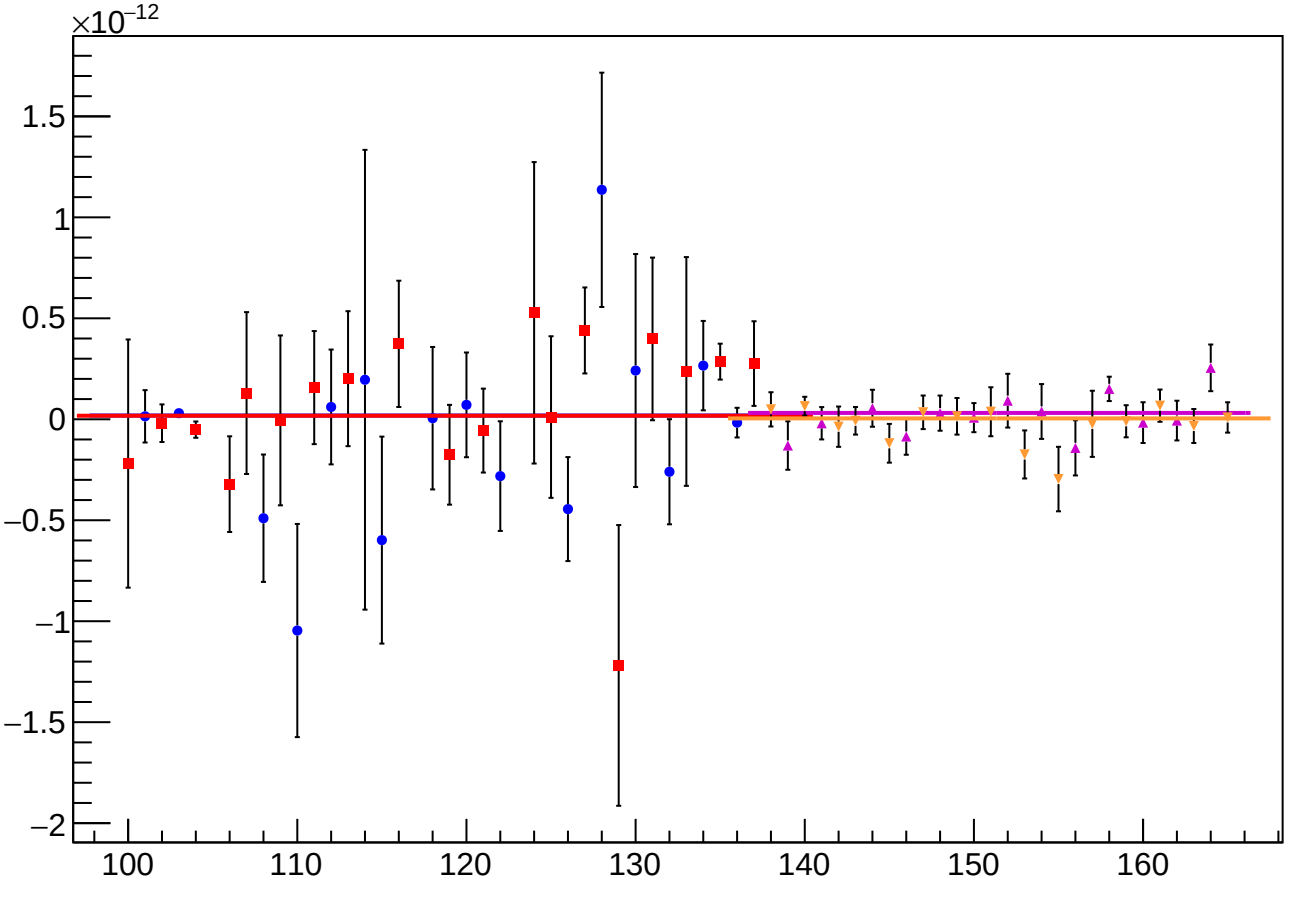
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.357+/-0.069 χ^2/NDF:443911.3/12

+ sign 244.875+/-0.044 χ^2/NDF: 5166213.4/30

All: 240.953+/-0.031 χ^2/NDF: 10196014.9/62

- sign 237.082+/-0.043 χ^2/NDF: 5013704.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/14

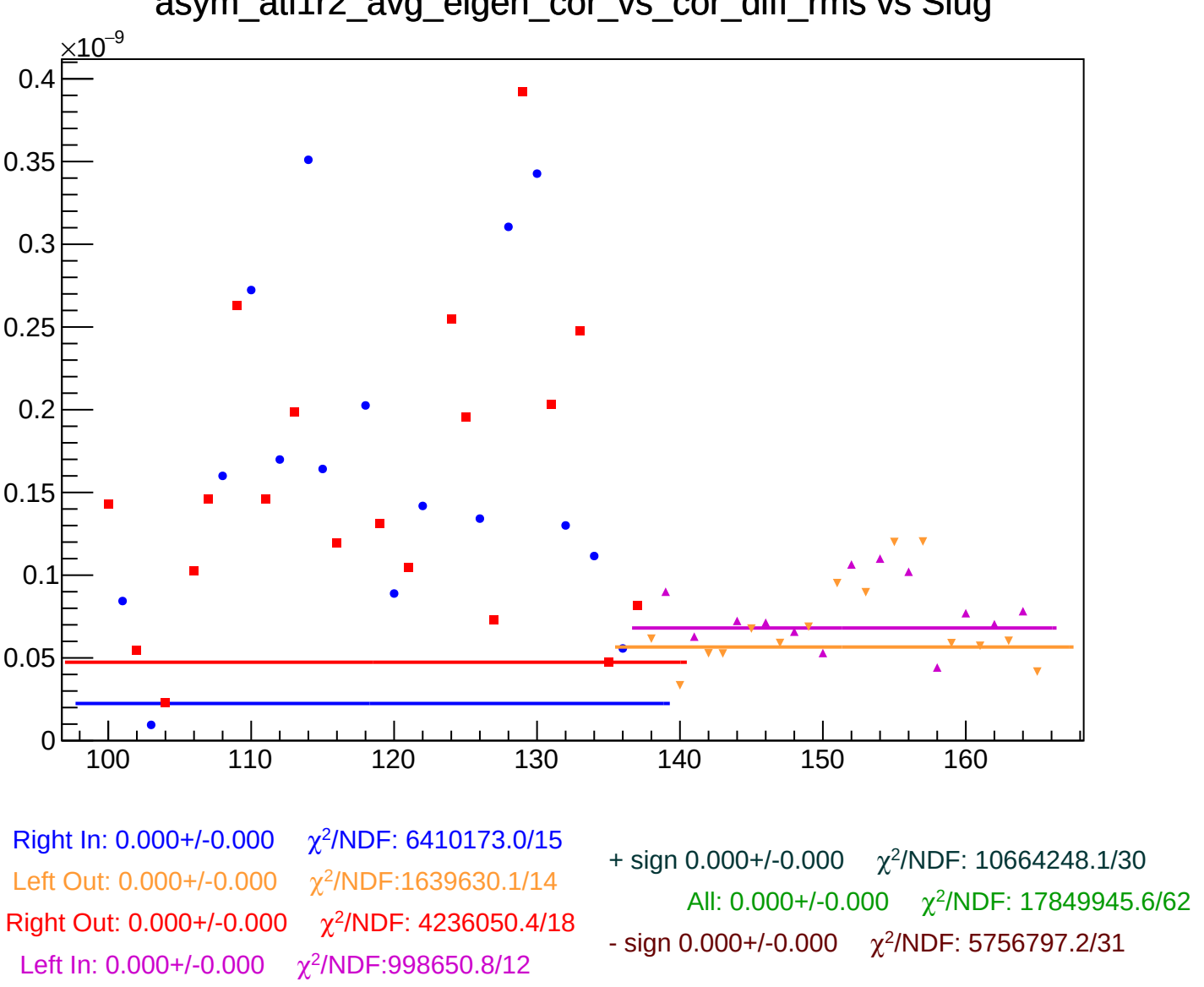
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

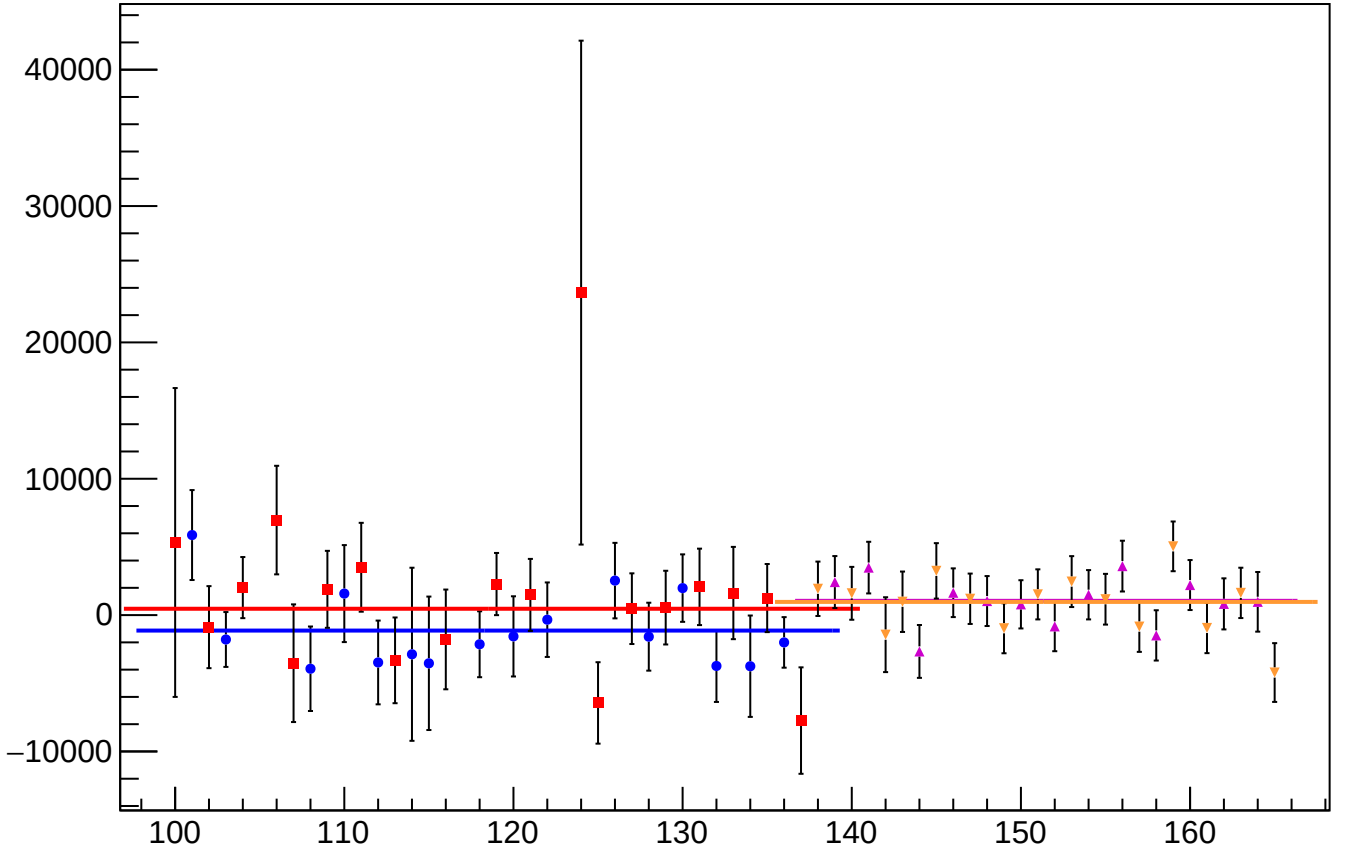
+ sign 0.000+/-0.000 χ^2/NDF: 30.4/30

All: 0.000+/-0.000 χ^2/NDF: 71.8/62

- sign 0.000+/-0.000 χ^2/NDF: 41.1/31


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1639630.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:998650.8/12
+ sign 0.000+/-0.000 χ²/NDF: 10664248.1/30
All: 0.000+/-0.000 χ²/NDF: 17849945.6/62
- sign 0.000+/-0.000 χ²/NDF: 5756797.2/31

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 967.649+/-502.953 χ^2/NDF:17.2/14

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

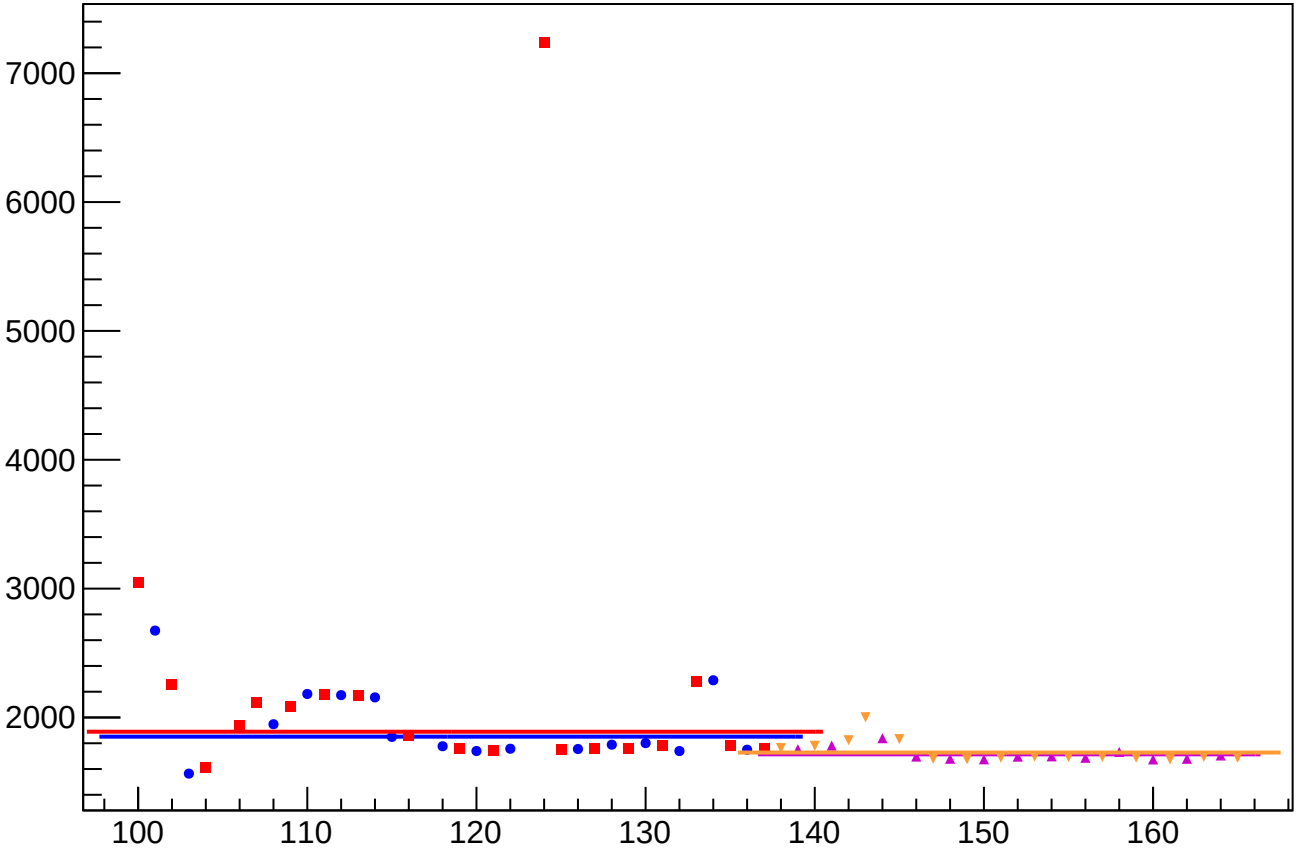
Left In: 1045.937+/-517.628 χ^2/NDF:11.3/12

+ sign 243.422+/-407.207 χ^2/NDF: 35.4/30

All: 535.770+/-291.487 χ^2/NDF: 68.2/62

- sign 842.984+/-417.432 χ^2/NDF: 31.7/31

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1727.973+/-0.356 χ^2/NDF:49931.8/14

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

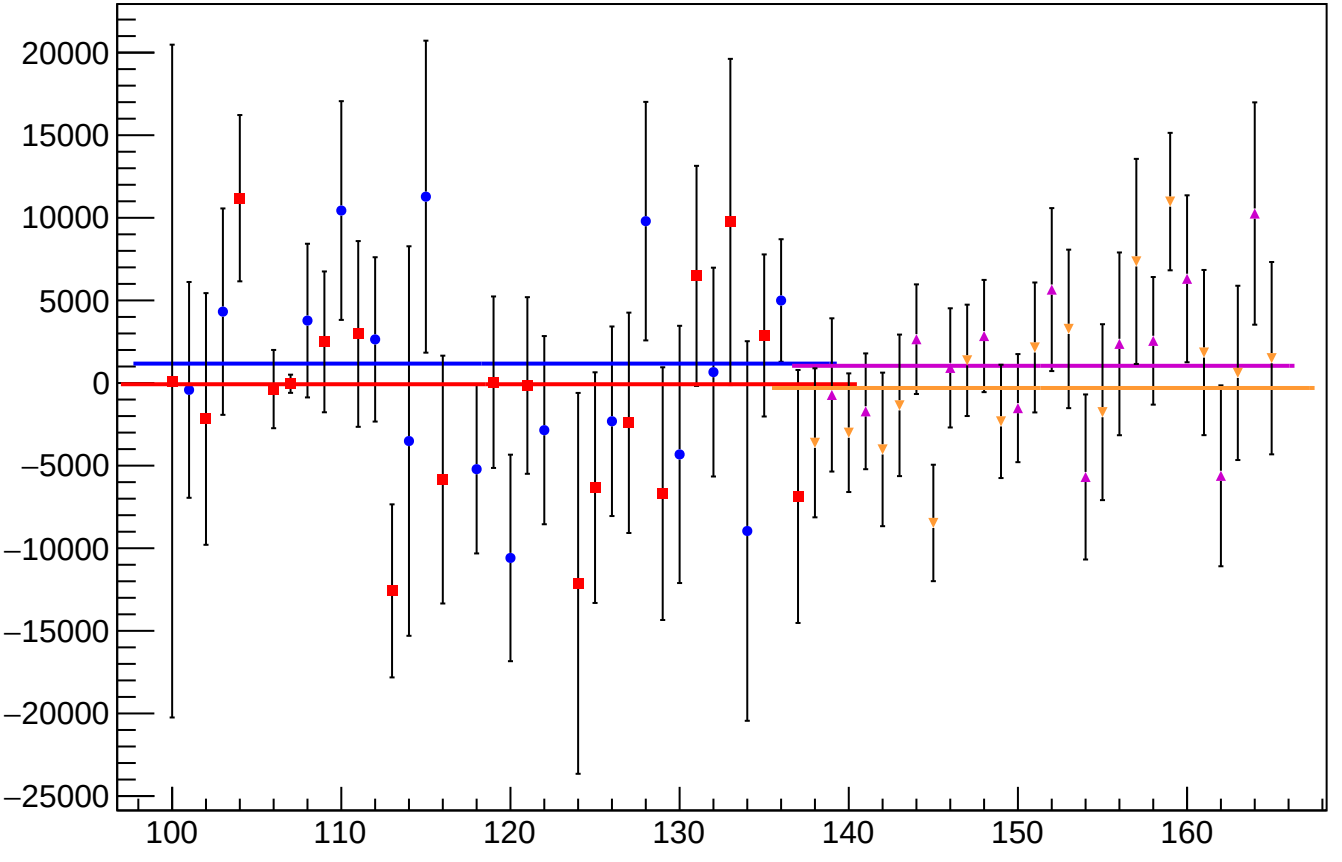
Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

+ sign 1770.400+/-0.288 χ^2/NDF: 351225.7/30

All: 1772.889+/-0.206 χ^2/NDF: 807217.1/62

- sign 1775.500+/-0.295 χ^2/NDF: 455838.3/31

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -299.720+/-1108.583 χ^2/NDF:18.0/14

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

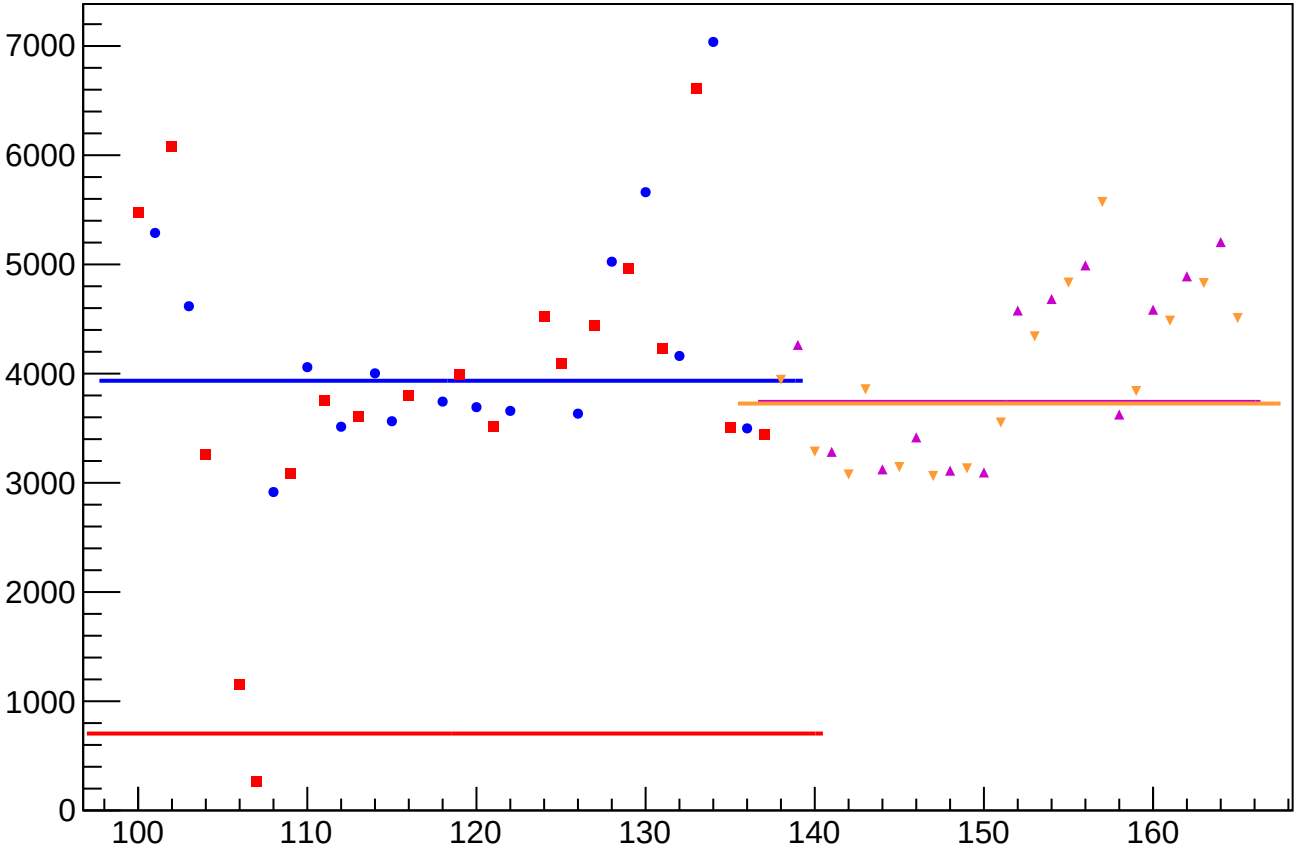
Left In: 1042.124+/-1153.759 χ^2/NDF:9.2/12

+ sign 220.428+/-891.974 χ^2/NDF: 32.3/30

All: 131.063+/-411.048 χ^2/NDF: 60.3/62

- sign 106.969+/-463.158 χ^2/NDF: 27.9/31

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3726.156+/-0.784 χ^2/NDF:738848.1/14

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

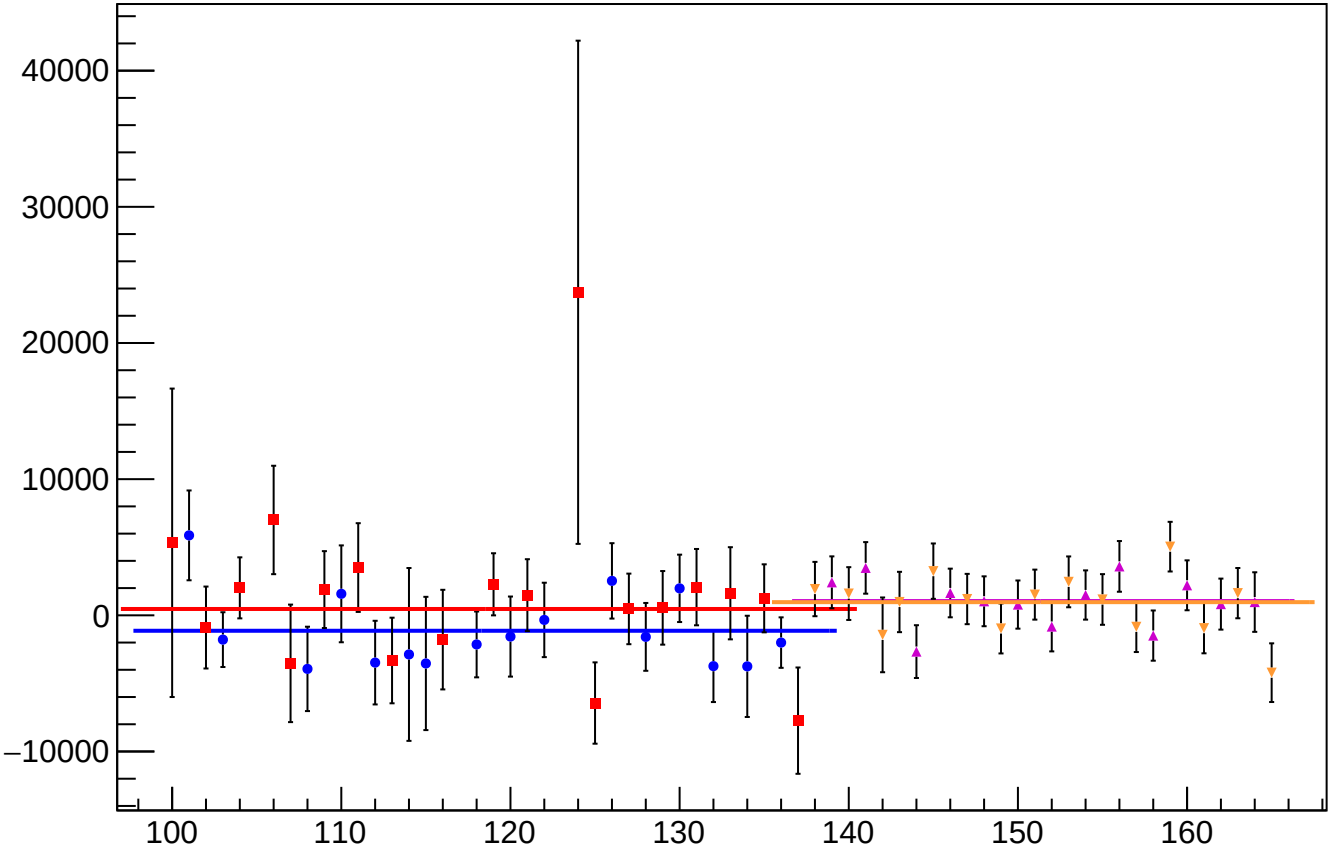
Left In: 3741.236+/-0.816 χ^2/NDF:762926.8/12

+ sign 3799.696+/-0.631 χ^2/NDF: 1323934.4/30

All: 1747.175+/-0.291 χ^2/NDF: 37774282.2/6

- sign 1193.772+/-0.328 χ^2/NDF: 23004918.0/31

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 967.726+/-502.953 χ^2/NDF:17.2/14

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

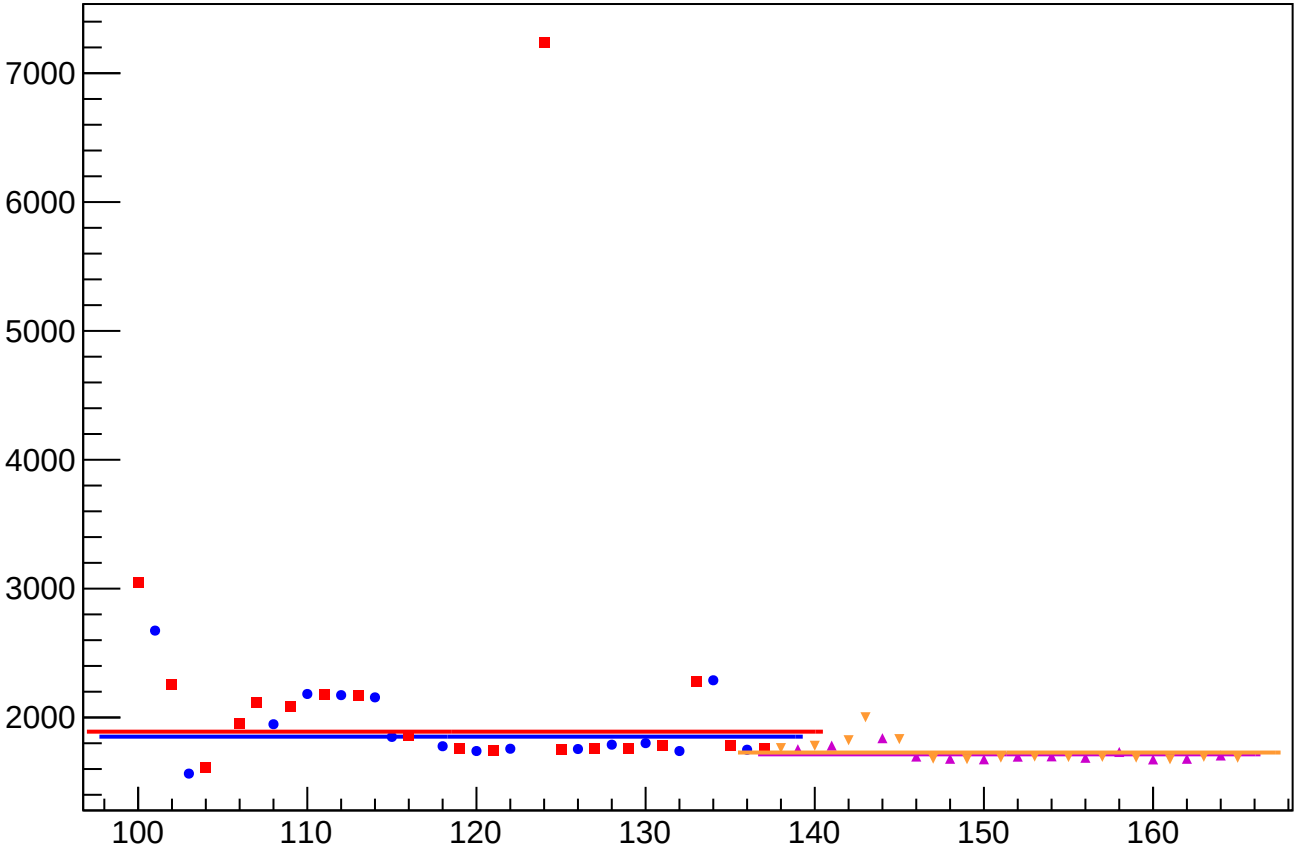
Left In: 1045.877+/-517.628 χ^2/NDF:11.3/12

\+ sign 243.620+/-407.207 χ^2/NDF: 35.4/30

All: 535.917+/-291.487 χ^2/NDF: 68.2/62

\- sign 843.079+/-417.433 χ^2/NDF: 31.8/31

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1727.973+/-0.356 χ^2/NDF:49931.8/14

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

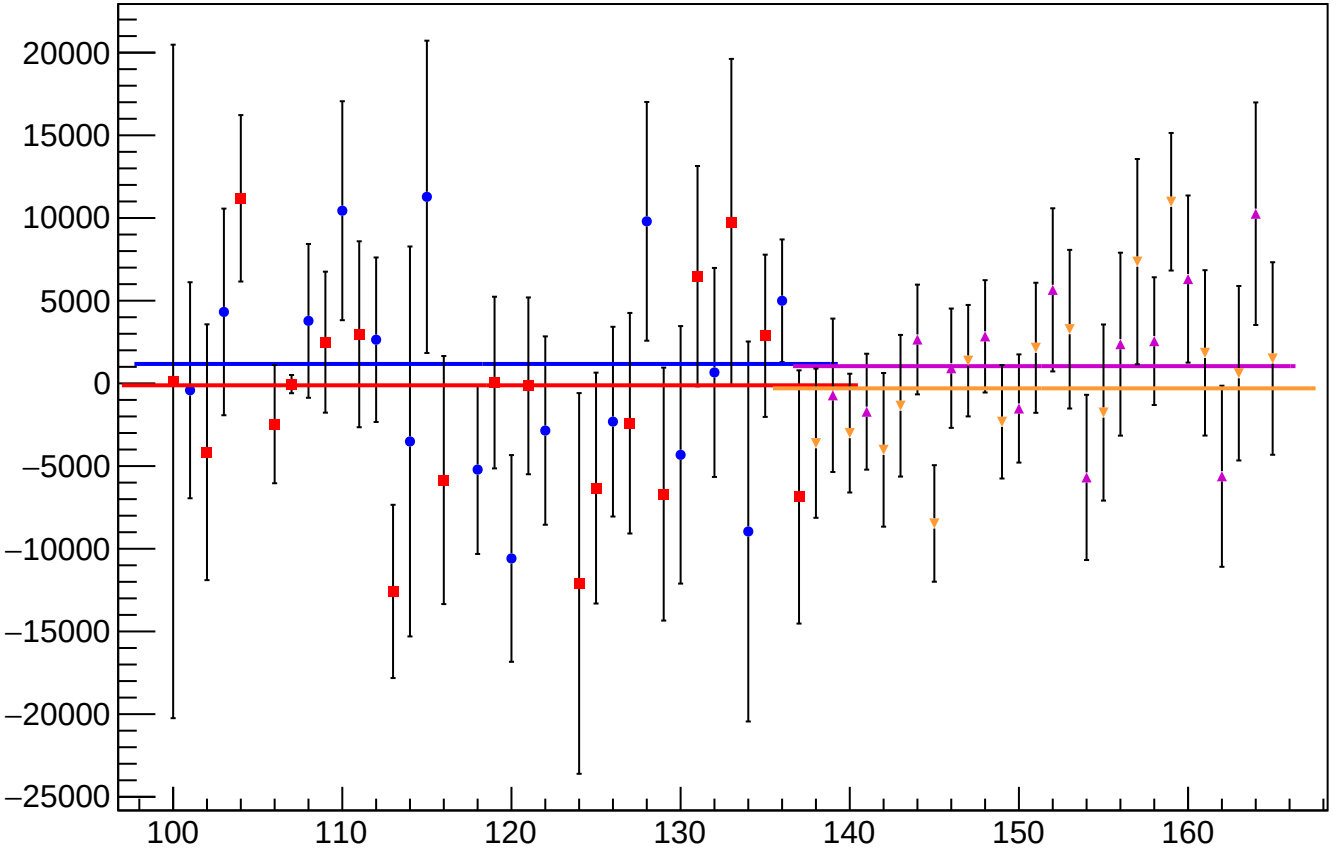
Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

+ sign 1770.400+/-0.288 χ^2/NDF: 351225.1/30

All: 1772.958+/-0.206 χ^2/NDF: 807842.9/62

- sign 1775.642+/-0.295 χ^2/NDF: 456456.0/31

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -299.734+/-1108.580 χ^2/NDF:18.0/14

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

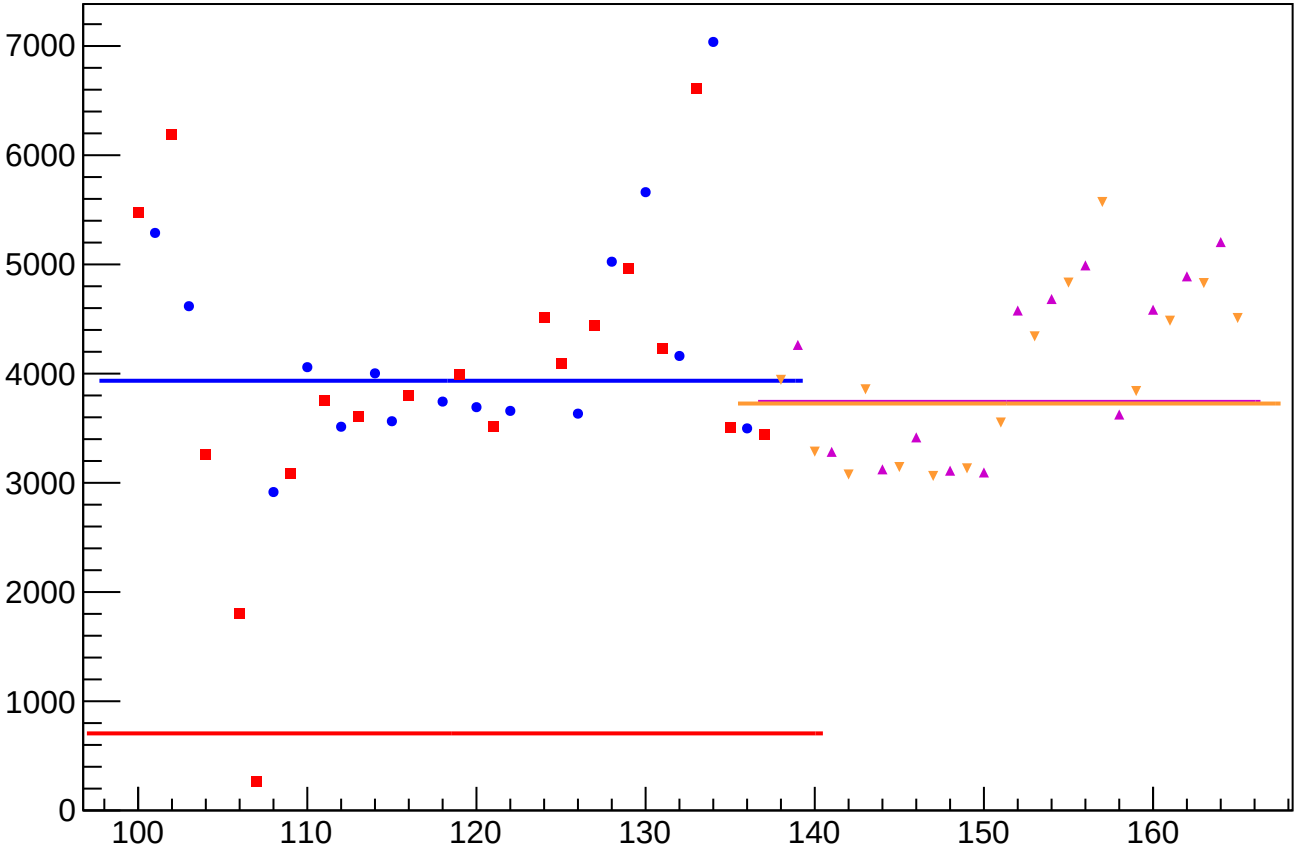
Left In: 1042.120+/-1153.759 χ^2/NDF:9.2/12

+ sign 220.406+/-891.974 χ^2/NDF: 32.3/30

All: 106.248+/-414.567 χ^2/NDF: 61.0/62

- sign 74.793+/-468.210 χ^2/NDF: 28.6/31

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3726.144+/-0.784 χ^2/NDF:738854.4/14

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

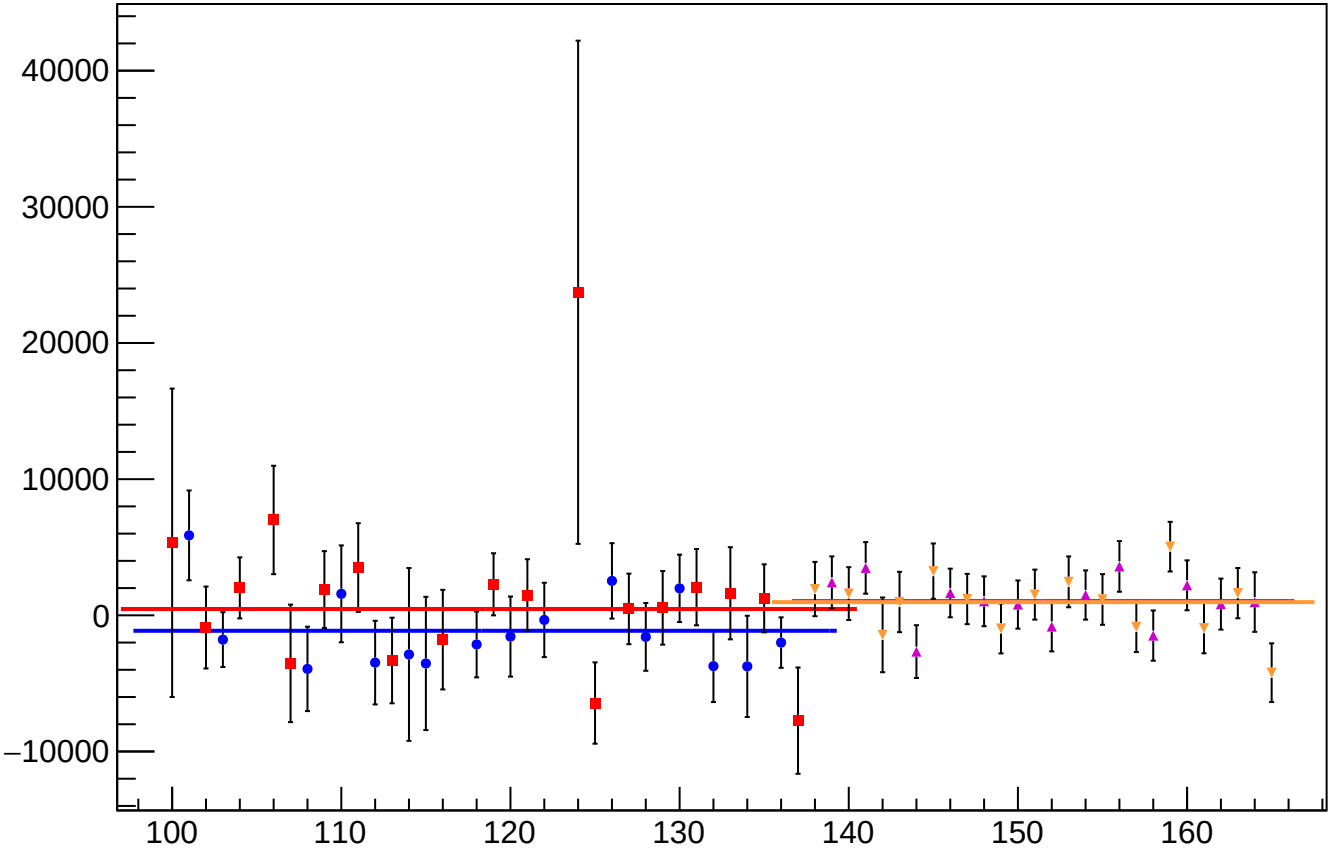
Left In: 3741.237+/-0.816 χ^2/NDF:762915.1/12

+ sign 3799.691+/-0.631 χ^2/NDF: 1323969.6/30

All: 1765.914+/-0.293 χ^2/NDF: 37661546.0/6

- sign 1205.537+/-0.331 χ^2/NDF: 23075093.0/31

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 967.726+/-502.953 χ^2/NDF:17.2/14

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

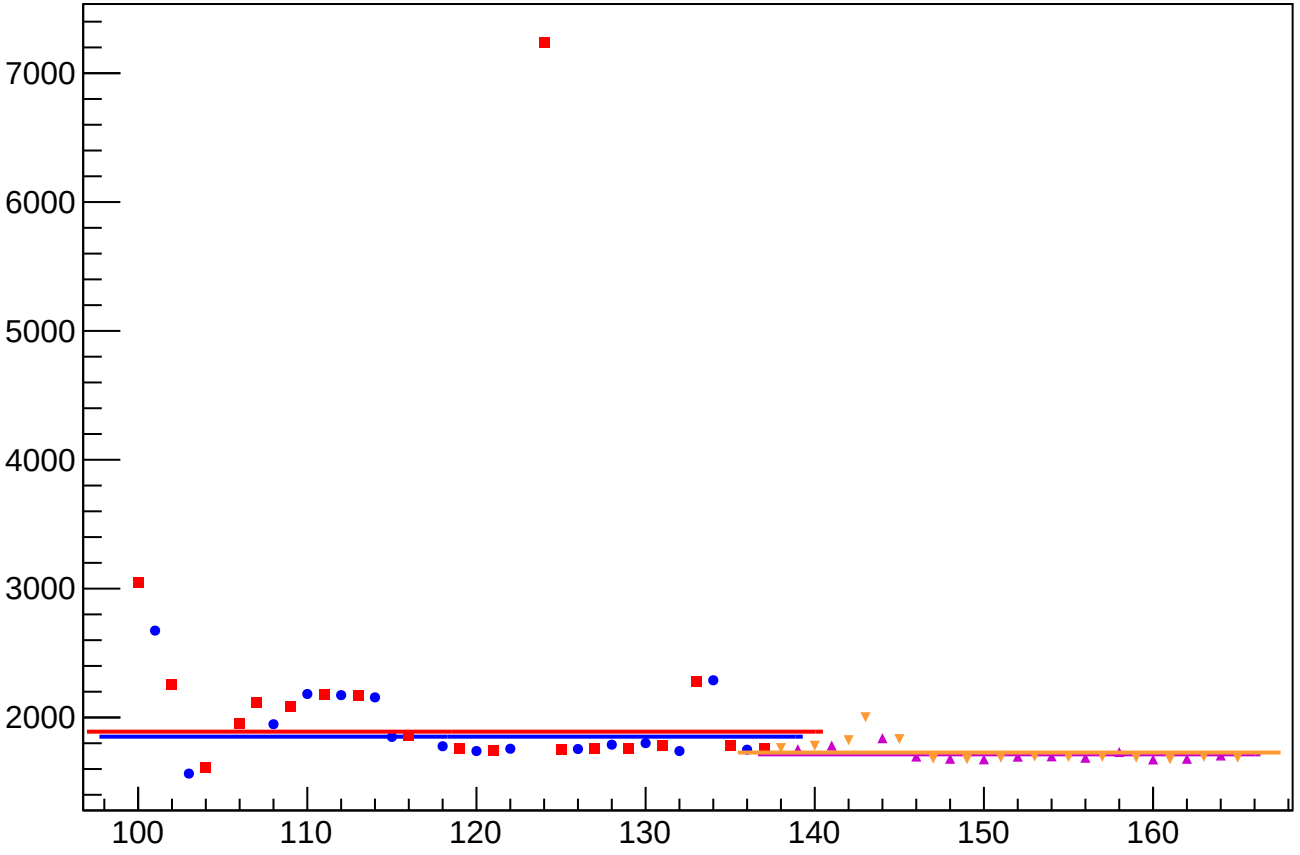
Left In: 1045.877+/-517.628 χ^2/NDF:11.3/12

+ sign 243.620+/-407.207 χ^2/NDF: 35.4/30

All: 535.917+/-291.487 χ^2/NDF: 68.2/62

- sign 843.079+/-417.433 χ^2/NDF: 31.8/31

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1727.973+/-0.356 χ^2/NDF:49931.8/14

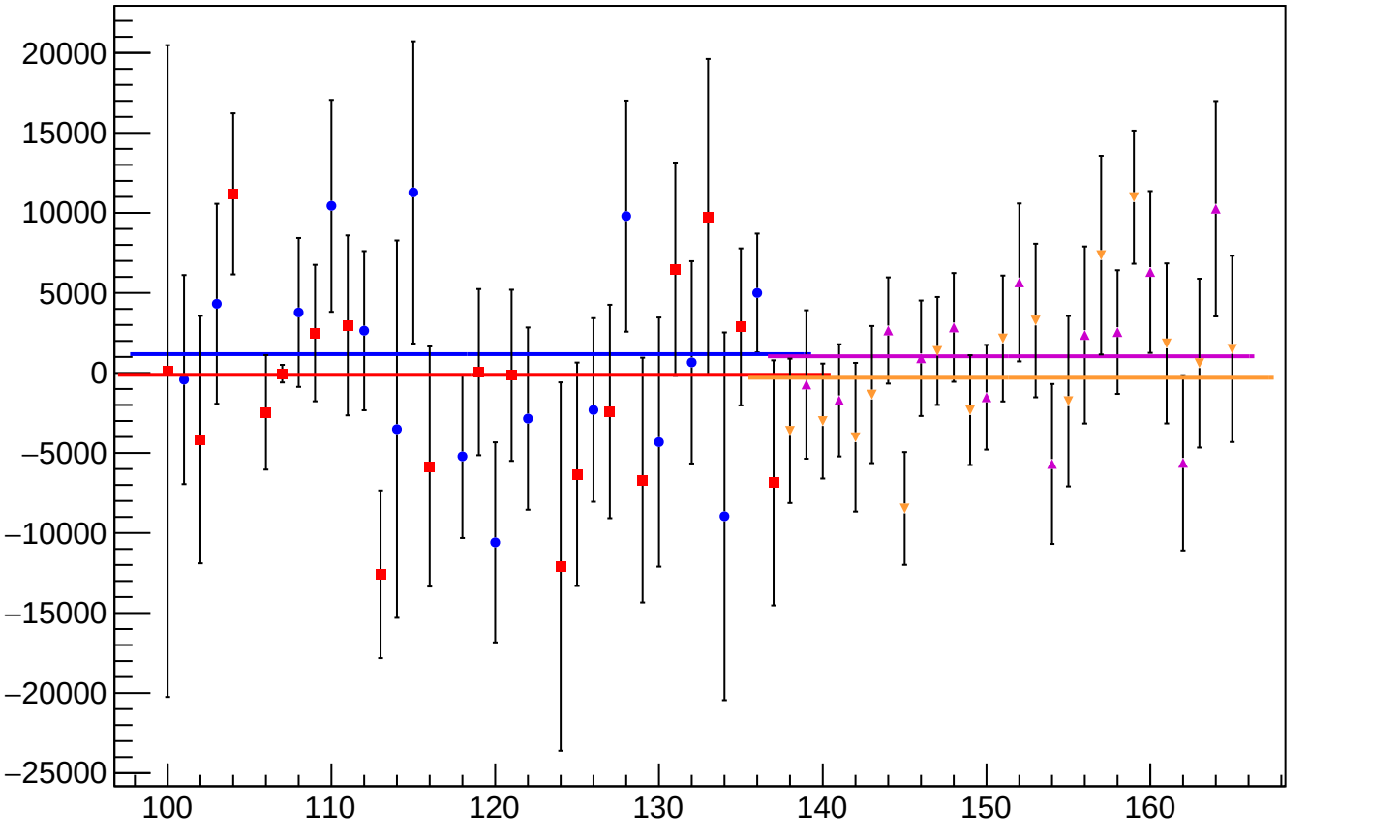
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

+ sign 1770.400+/-0.288 χ^2/NDF: 351225.1/30

All: 1772.958+/-0.206 χ^2/NDF: 807842.9/62

- sign 1775.642+/-0.295 χ^2/NDF: 456456.0/31



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -299.734+/-1108.580 χ^2/NDF:18.0/14

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

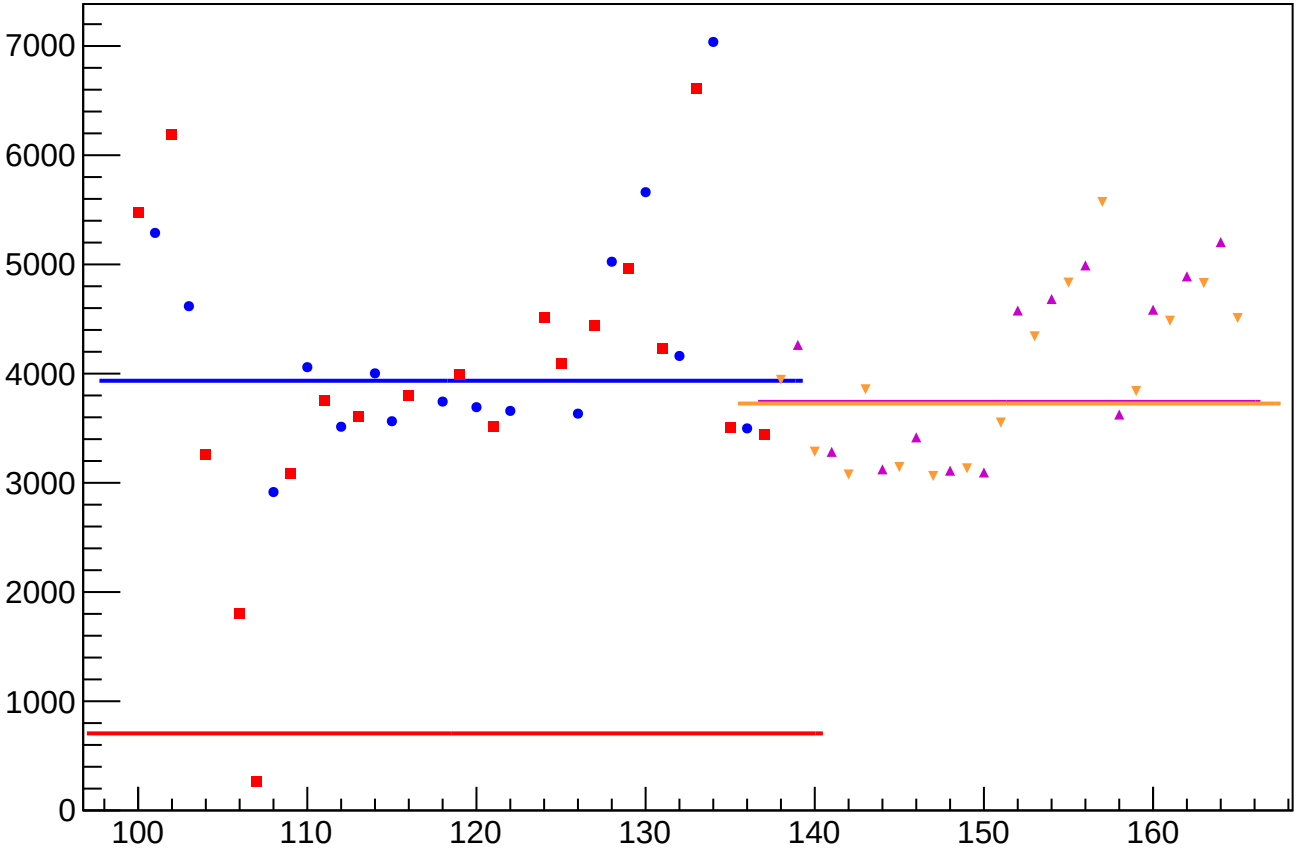
Left In: 1042.120+/-1153.759 χ^2/NDF:9.2/12

+ sign 220.406+/-891.974 χ^2/NDF: 32.3/30

All: 106.248+/-414.567 χ^2/NDF: 61.0/62

- sign 74.793+/-468.210 χ^2/NDF: 28.6/31

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3726.144+/-0.784 χ^2/NDF:738854.4/14

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

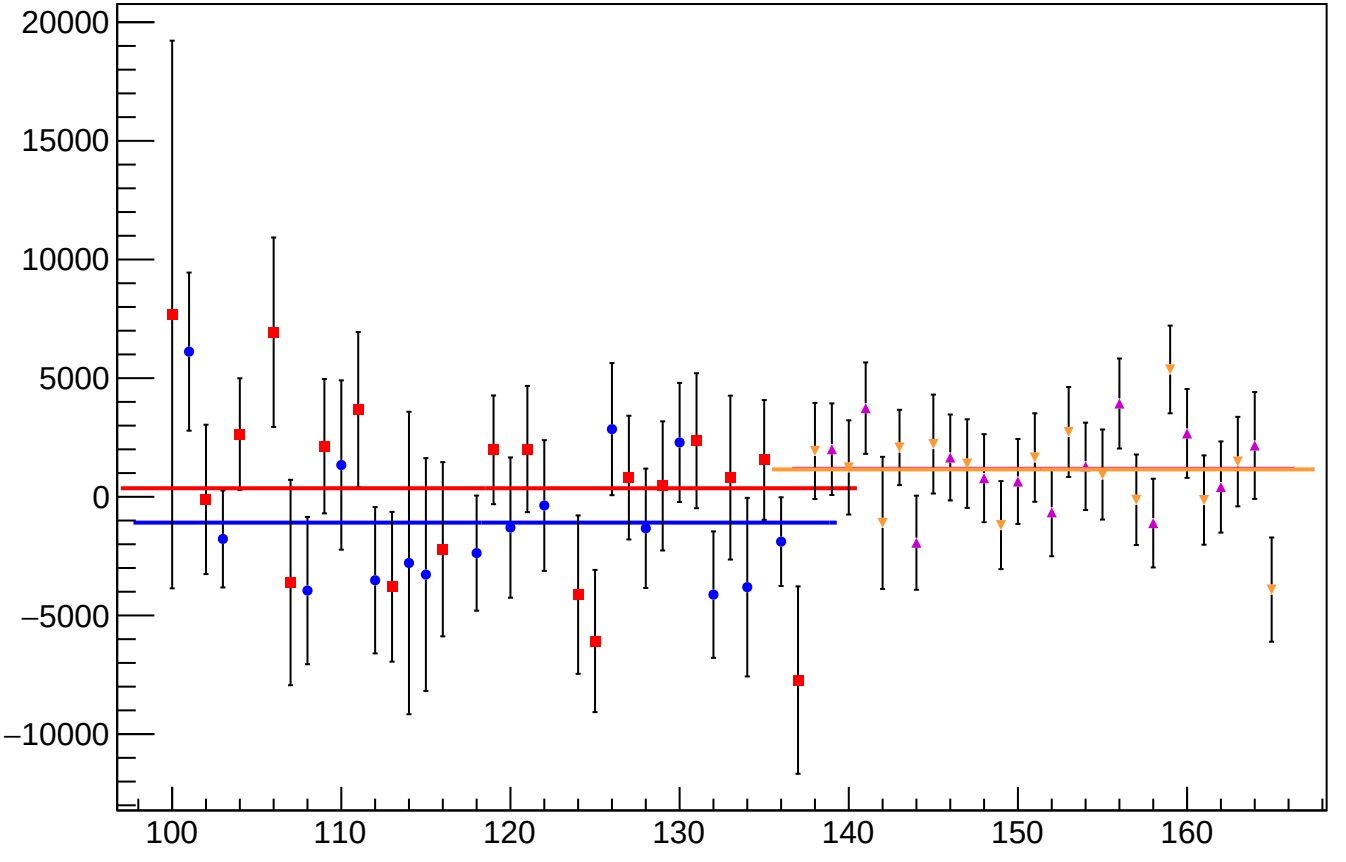
Left In: 3741.237+/-0.816 χ^2/NDF:762915.1/12

+ sign 3799.691+/-0.631 χ^2/NDF: 1323969.6/30

All: 1765.914+/-0.293 χ^2/NDF: 37661546.0/6

- sign 1205.537+/-0.331 χ^2/NDF: 23075093.0/31

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1155.476+/-499.176 χ^2/NDF:15.3/14

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

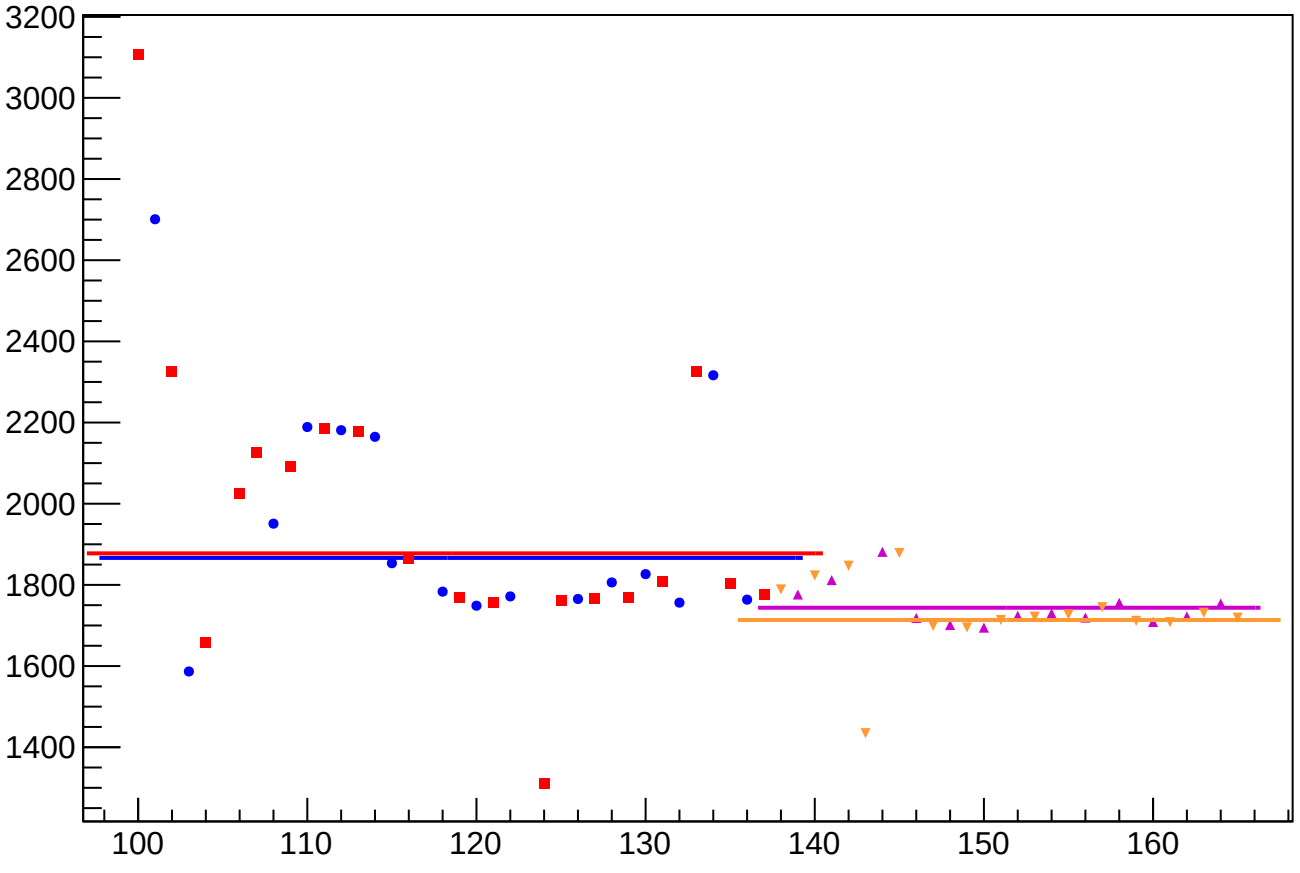
Left In: 1180.118+/-526.648 χ^2/NDF:10.2/12

+ sign 398.687+/-406.340 χ^2/NDF: 35.3/30

All: 632.855+/-292.294 χ^2/NDF: 67.8/62

- sign 883.950+/-420.769 χ^2/NDF: 31.9/31

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1713.512+/-0.353 χ^2/NDF:88934.0/14

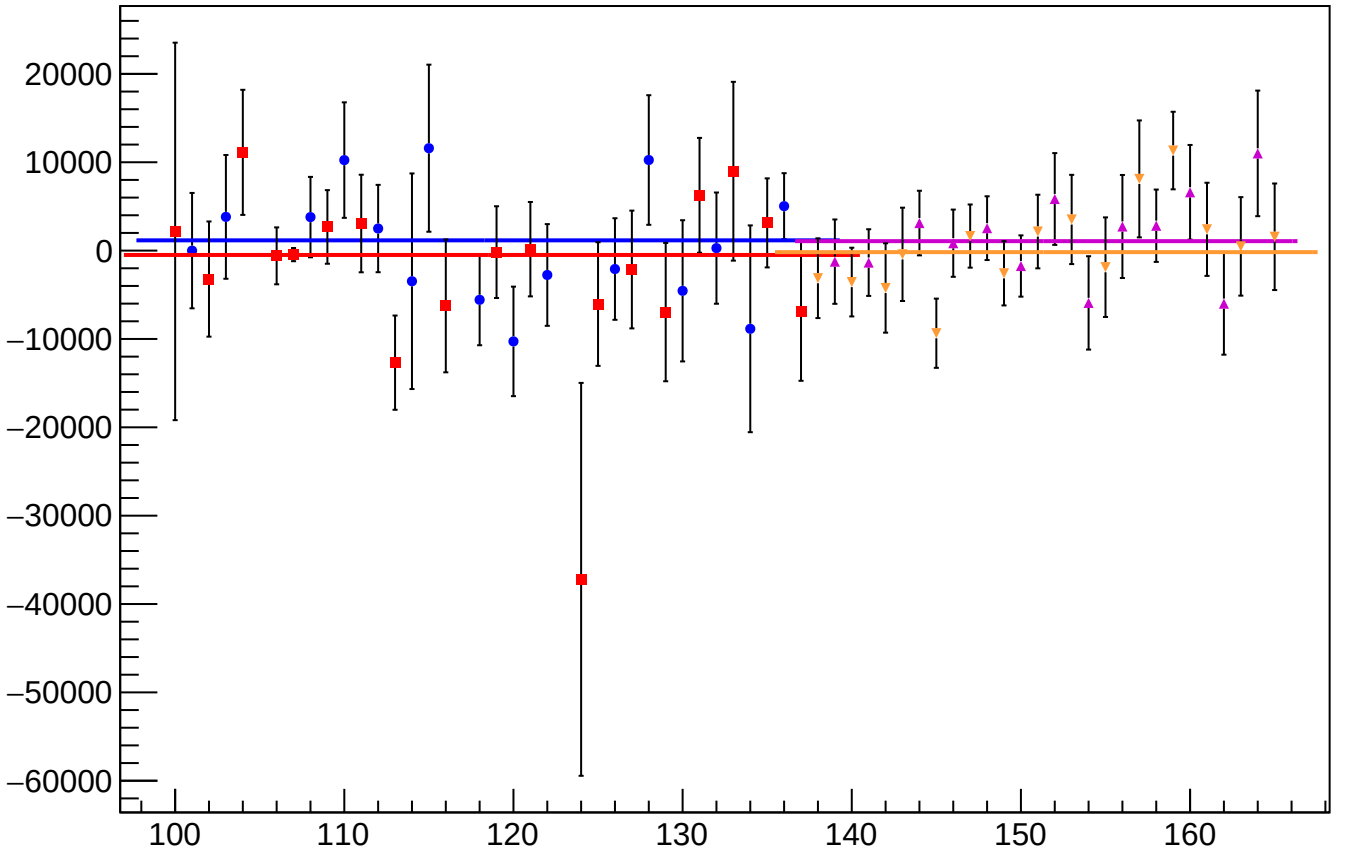
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1743.686+/-0.372 χ^2/NDF:17413.0/12

+ sign 1765.111+/-0.287 χ^2/NDF: 408538.1/30

All: 1778.182+/-0.207 χ^2/NDF: 728948.1/62

- sign 1792.190+/-0.297 χ^2/NDF: 316122.3/31



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -173.272+/-1188.428 χ^2/NDF:17.7/14

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

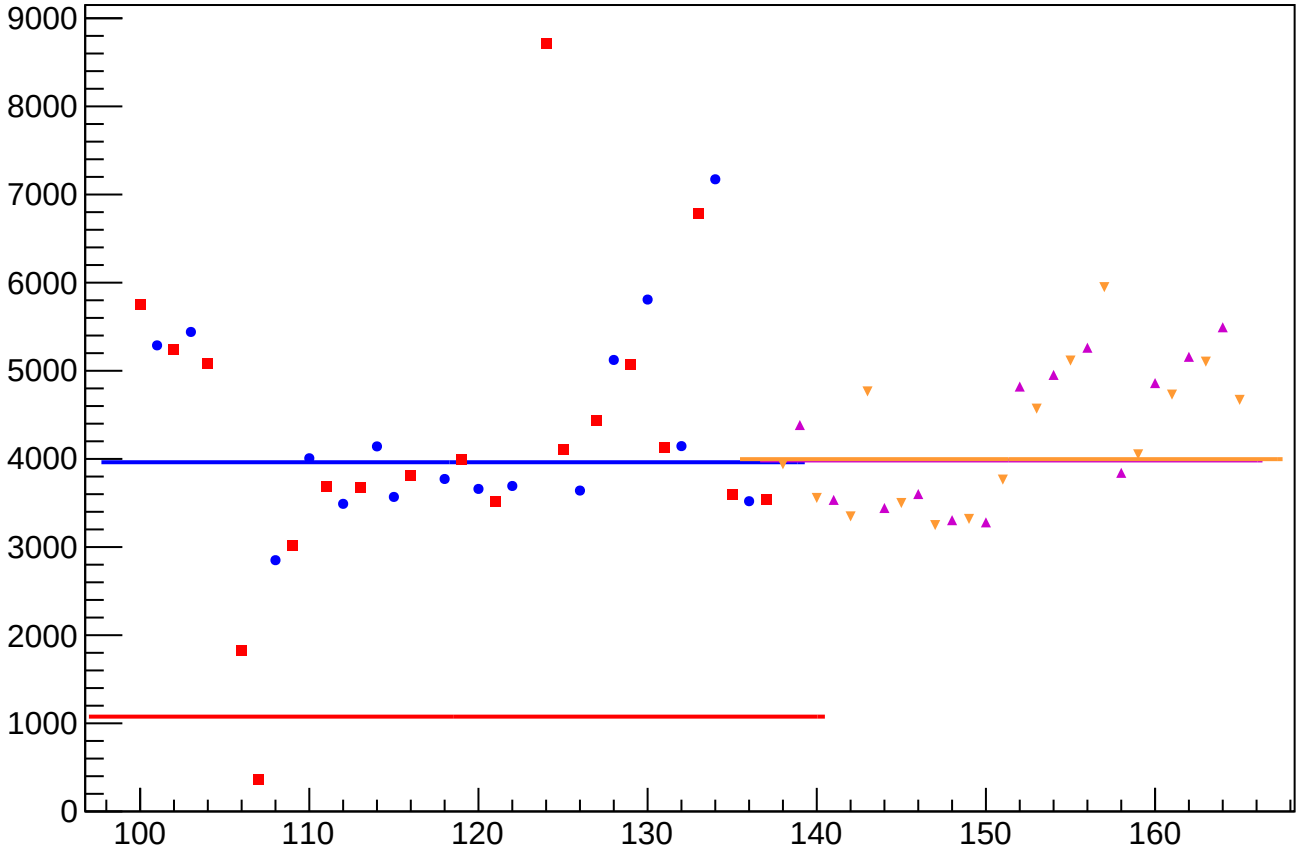
Left In: 1070.618+/-1226.628 χ^2/NDF:9.2/12

+ sign 336.205+/-934.407 χ^2/NDF: 31.9/30

All: -9.734+/-492.902 χ^2/NDF: 59.4/62

- sign -143.107+/-580.190 χ^2/NDF: 27.4/31

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3997.336+/-0.840 χ^2/NDF:718050.8/14

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

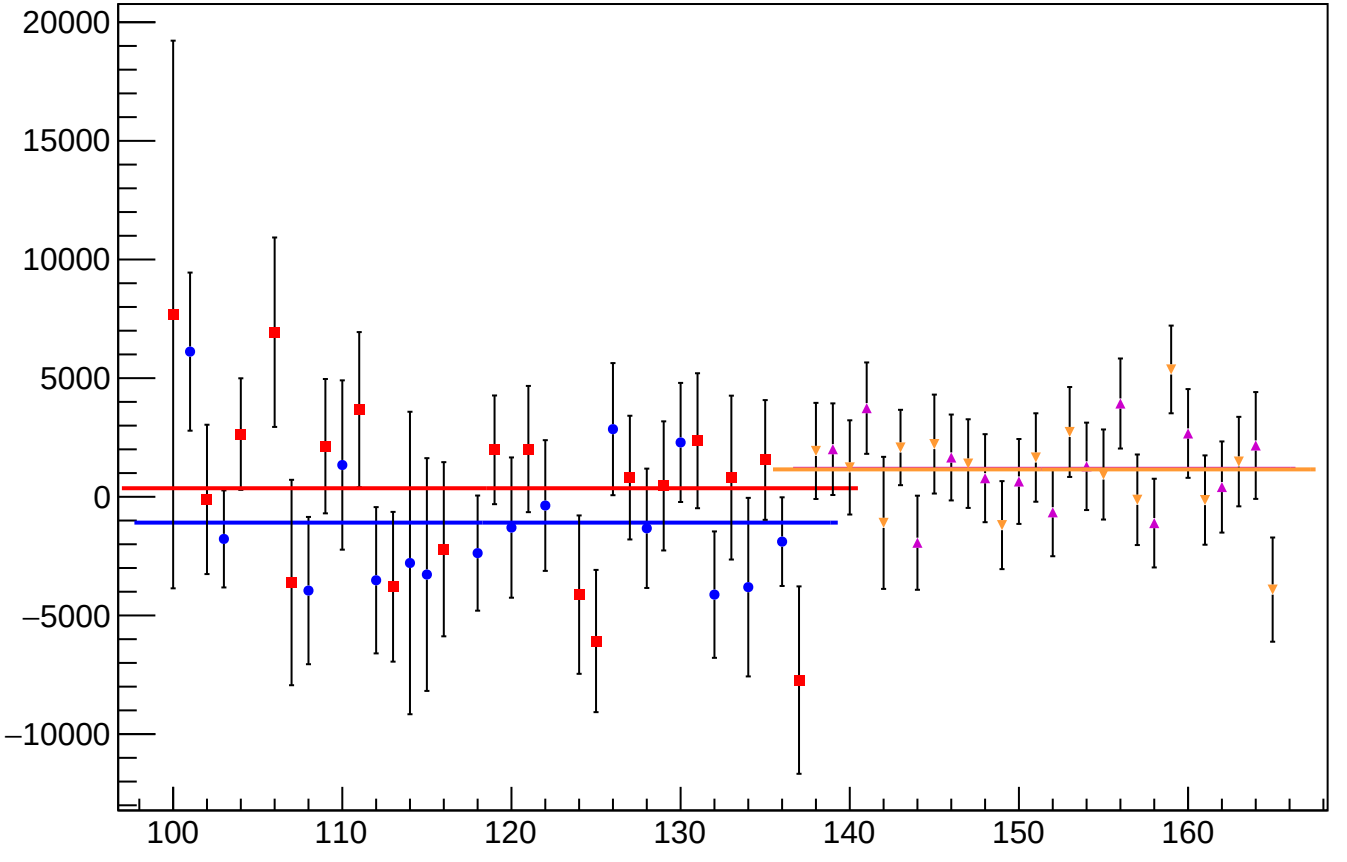
Left In: 3982.599+/-0.867 χ^2/NDF:703733.0/12

+ sign 3983.985+/-0.661 χ^2/NDF: 1387051.5/30

All: 2354.483+/-0.349 χ^2/NDF: 28794128.1/6

- sign 1726.246+/-0.410 χ^2/NDF: 18979821.4/31

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1155.482+/-499.176 χ^2/NDF:15.3/14

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

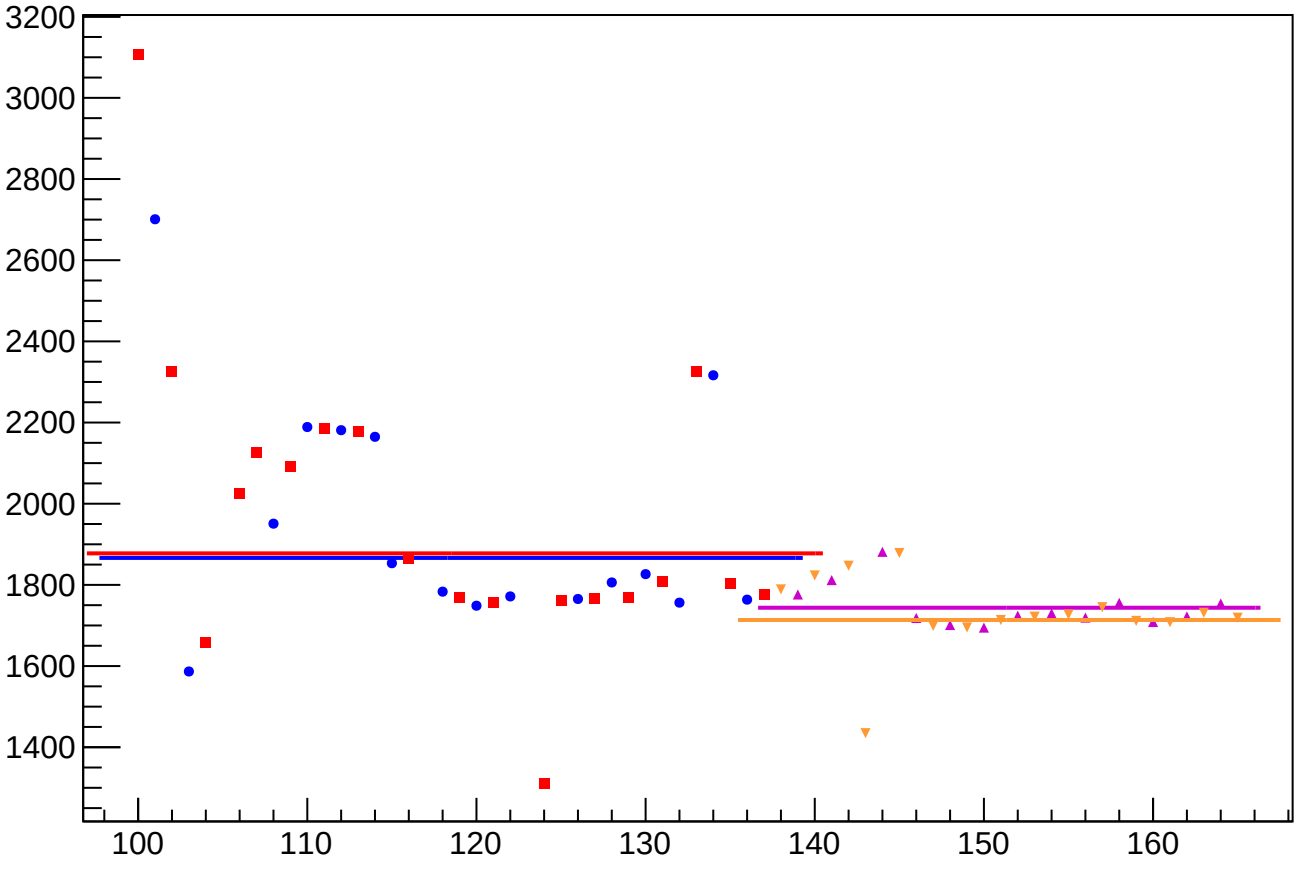
Left In: 1180.120+/-526.648 χ^2/NDF:10.2/12

+ sign 398.689+/-406.340 χ^2/NDF: 35.3/30

All: 632.857+/-292.294 χ^2/NDF: 67.8/62

- sign 883.952+/-420.769 χ^2/NDF: 31.9/31

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1713.513+/-0.353 χ^2/NDF:88933.1/14

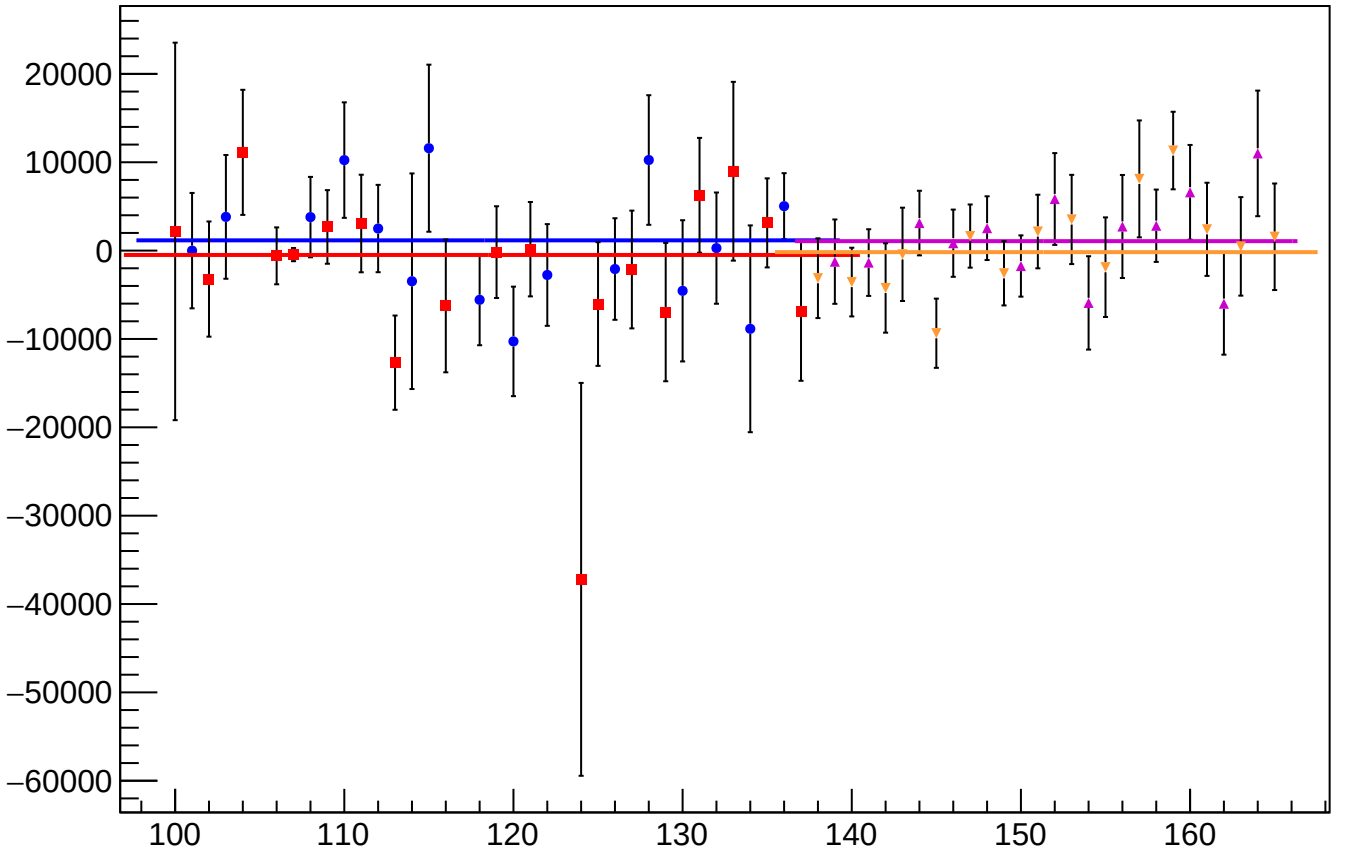
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1743.686+/-0.372 χ^2/NDF:17412.9/12

+ sign 1765.111+/-0.287 χ^2/NDF: 408536.1/30

All: 1778.183+/-0.207 χ^2/NDF: 728945.7/62

- sign 1792.191+/-0.297 χ^2/NDF: 316121.9/31



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -173.271+/-1188.429 χ^2/NDF:17.7/14

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

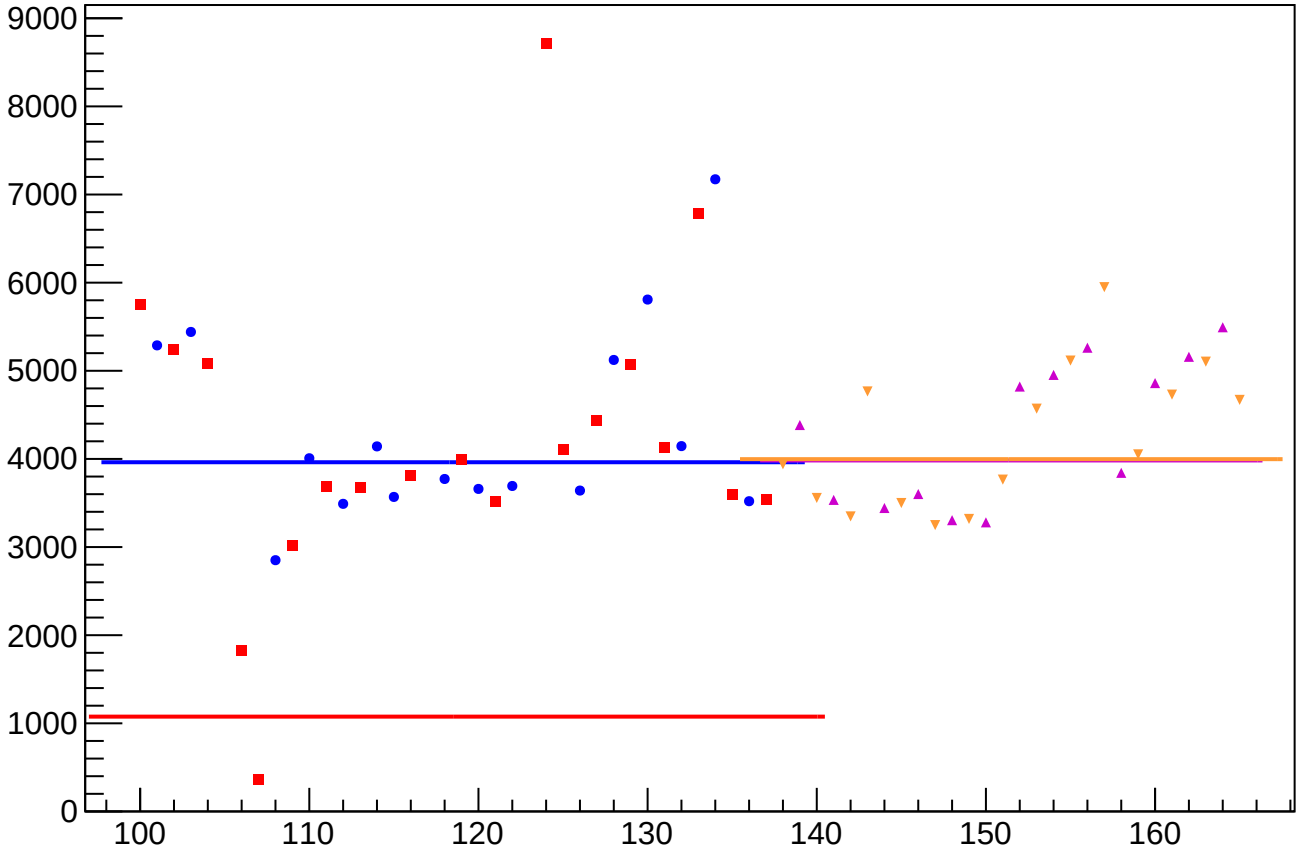
Left In: 1070.616+/-1226.630 χ^2/NDF:9.2/12

+ sign 336.199+/-934.407 χ^2/NDF: 31.9/30

All: -9.732+/-492.907 χ^2/NDF: 59.4/62

- sign -143.105+/-580.198 χ^2/NDF: 27.4/31

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3997.341+/-0.840 χ^2/NDF:718051.2/14

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

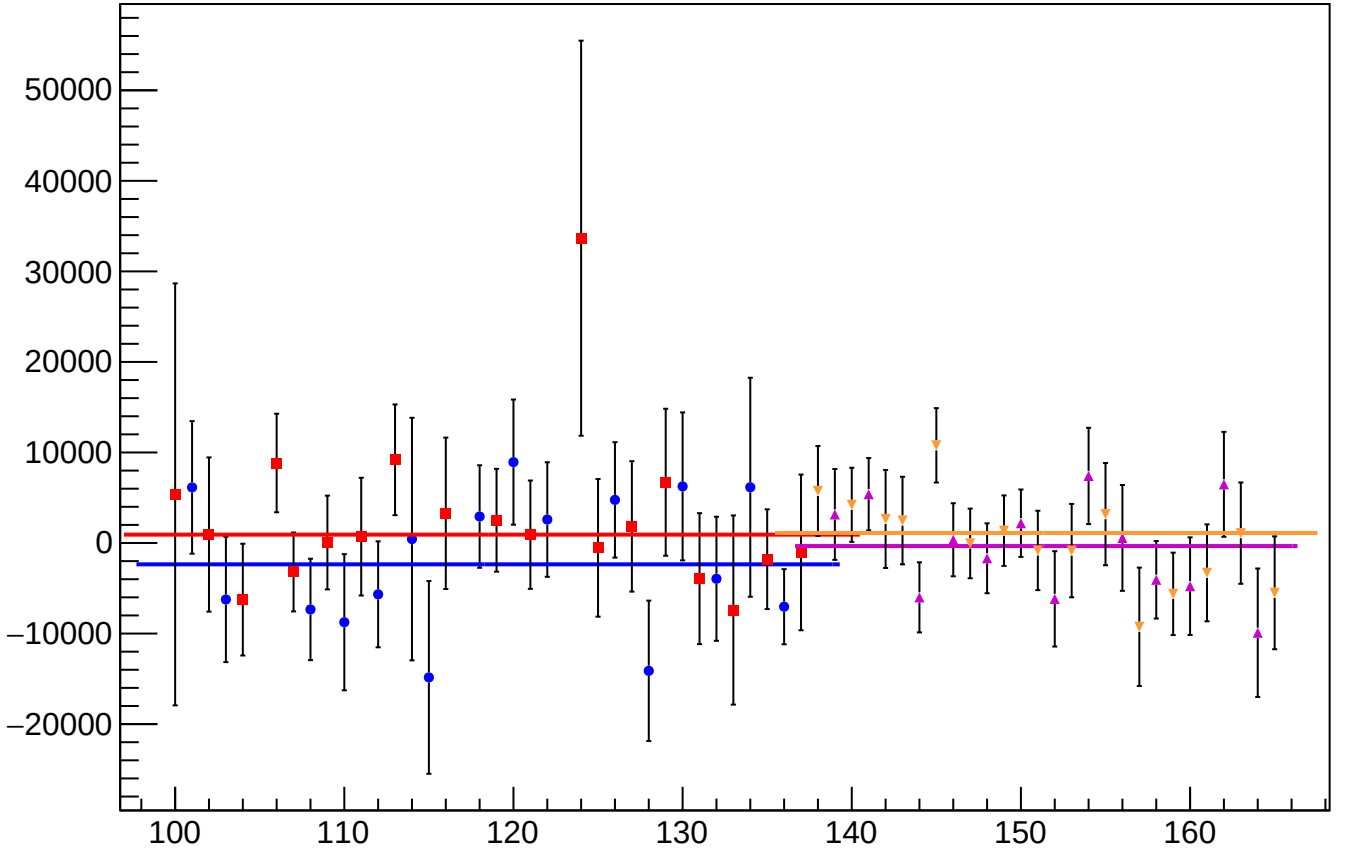
Left In: 3982.604+/-0.867 χ^2/NDF:703733.9/12

+ sign 3983.986+/-0.661 χ^2/NDF: 1387048.6/30

All: 2354.524+/-0.349 χ^2/NDF: 28793403.8/6

- sign 1726.287+/-0.410 χ^2/NDF: 18979458.2/31

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1106.024+/-1235.152 χ^2/NDF:14.2/14

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

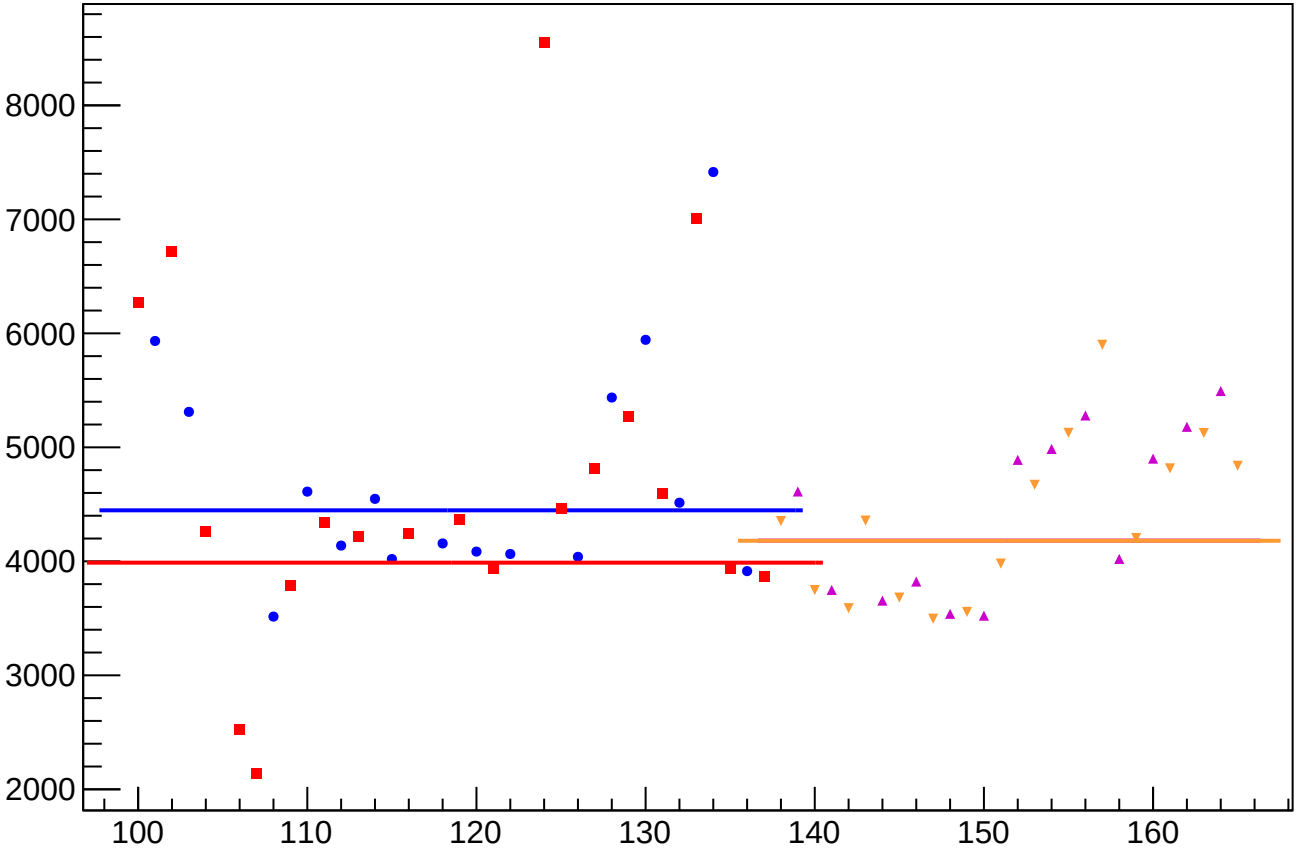
Left In: -334.820+/-1281.160 χ^2/NDF:13.3/12

+ sign -103.829+/-996.133 χ^2/NDF: 32.5/30

All: 38.280+/-701.011 χ^2/NDF: 56.9/62

- sign 177.708+/-986.692 χ^2/NDF: 24.3/31

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4180.485+/-0.873 χ^2/NDF:519954.4/14

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

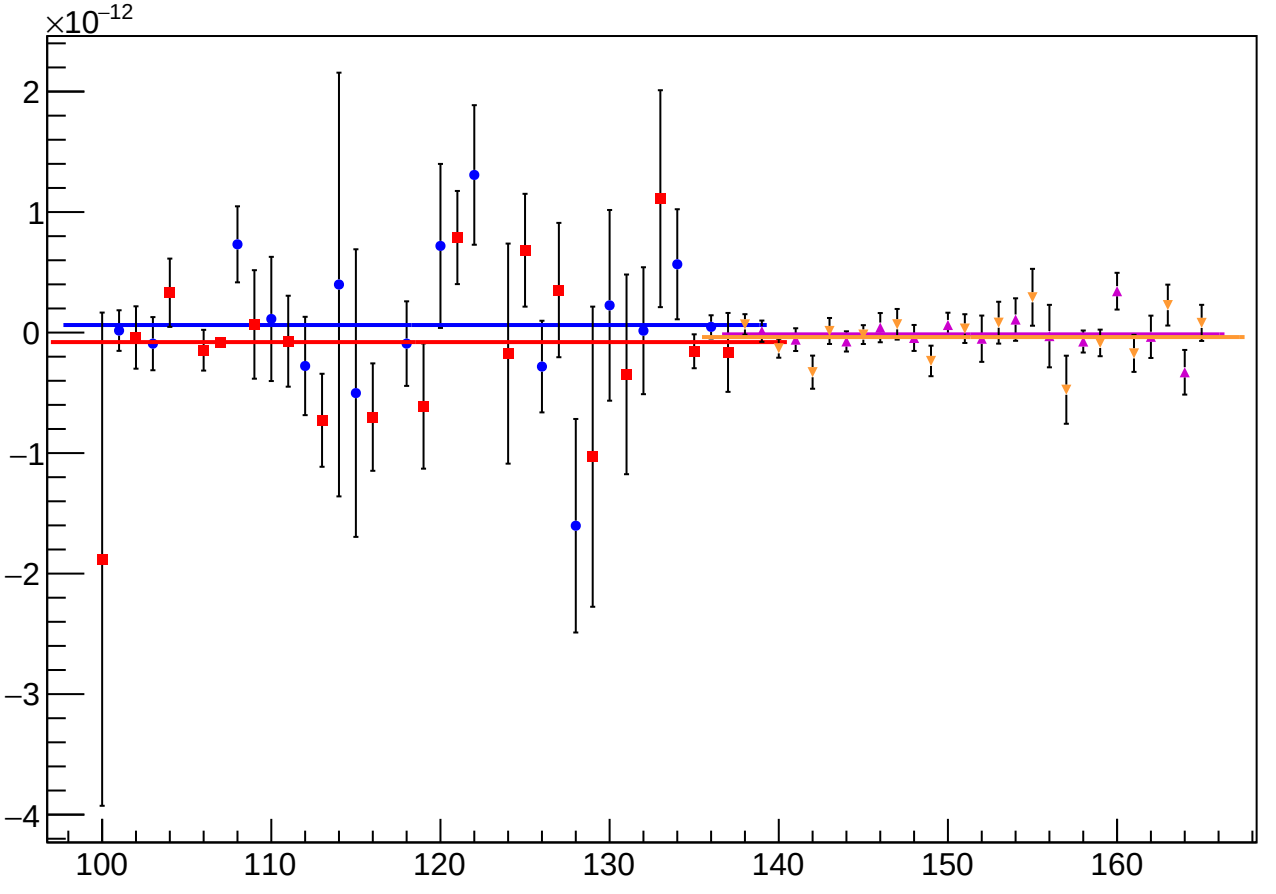
Left In: 4181.967+/-0.906 χ^2/NDF:527721.1/12

+ sign 4273.801+/-0.704 χ^2/NDF: 1010861.2/30

All: 4186.843+/-0.495 χ^2/NDF: 2731412.9/62

- sign 4102.217+/-0.695 χ^2/NDF: 1690477.9/31

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:20.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

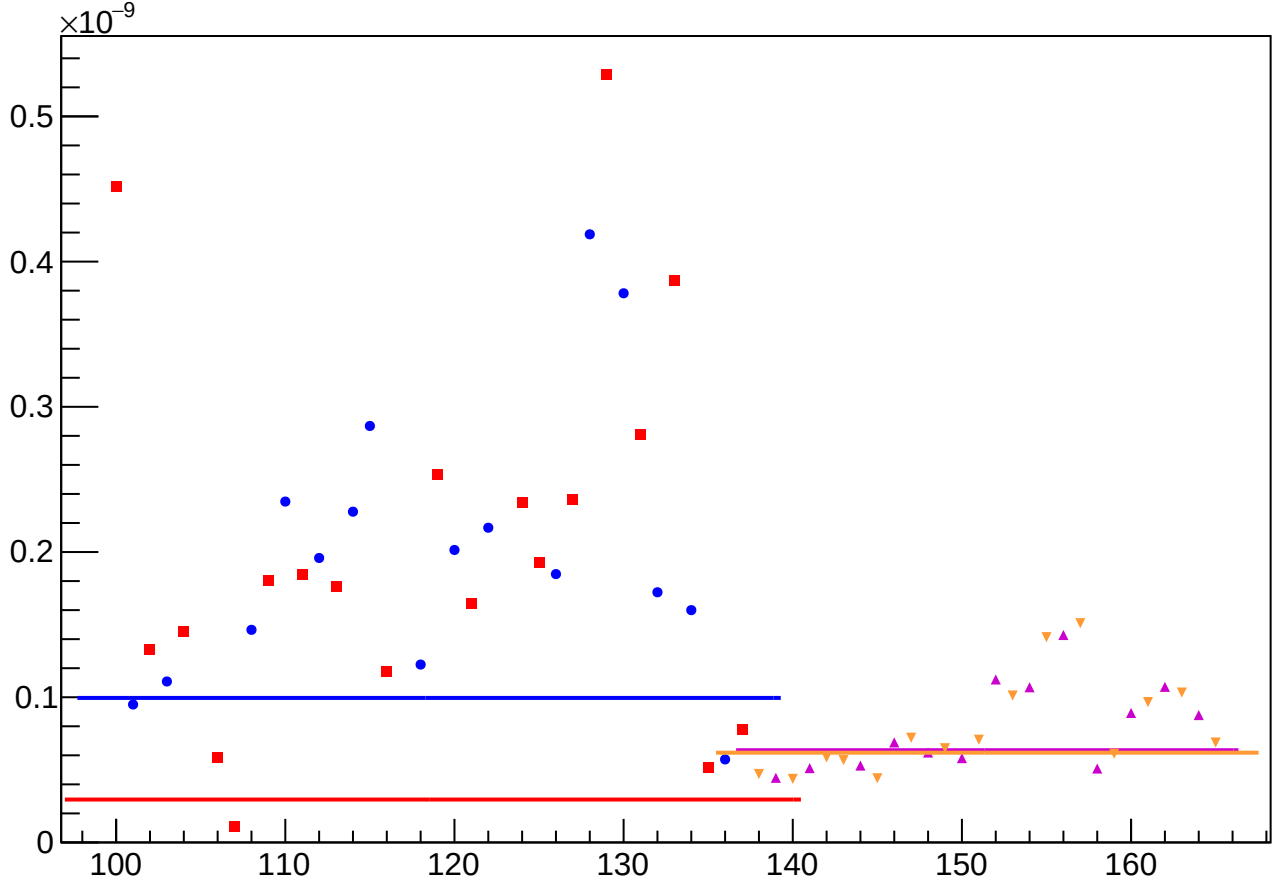
Left In: -0.000+/-0.000 χ^2/NDF:11.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/30

All: -0.000+/-0.000 χ^2/NDF: 72.8/62

- sign -0.000+/-0.000 χ^2/NDF: 33.0/31

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1054823.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

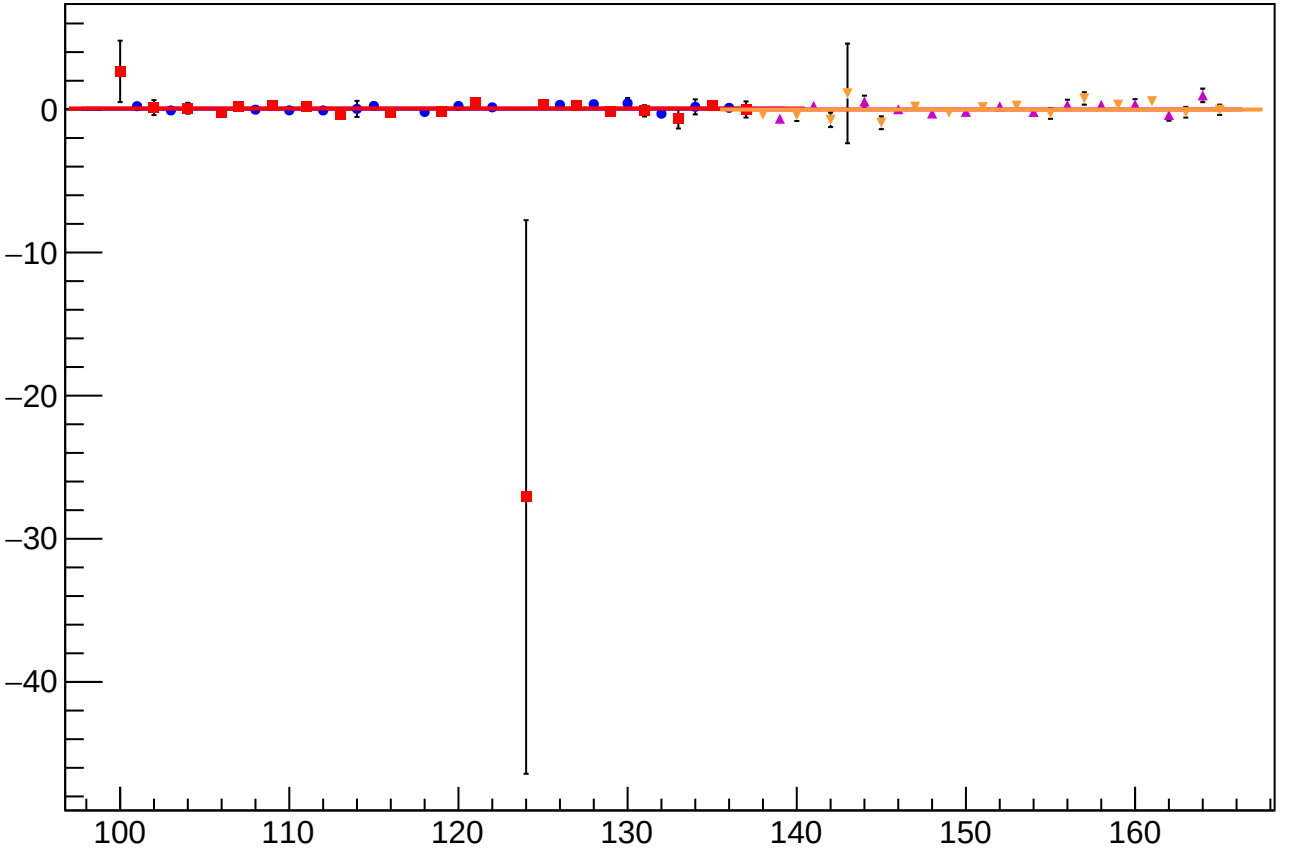
Left In: 0.000+/-0.000 χ^2/NDF:857570.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3128170.5/30

All: 0.000+/-0.000 χ^2/NDF: 10096214.4/62

- sign 0.000+/-0.000 χ^2/NDF: 6279139.2/31

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

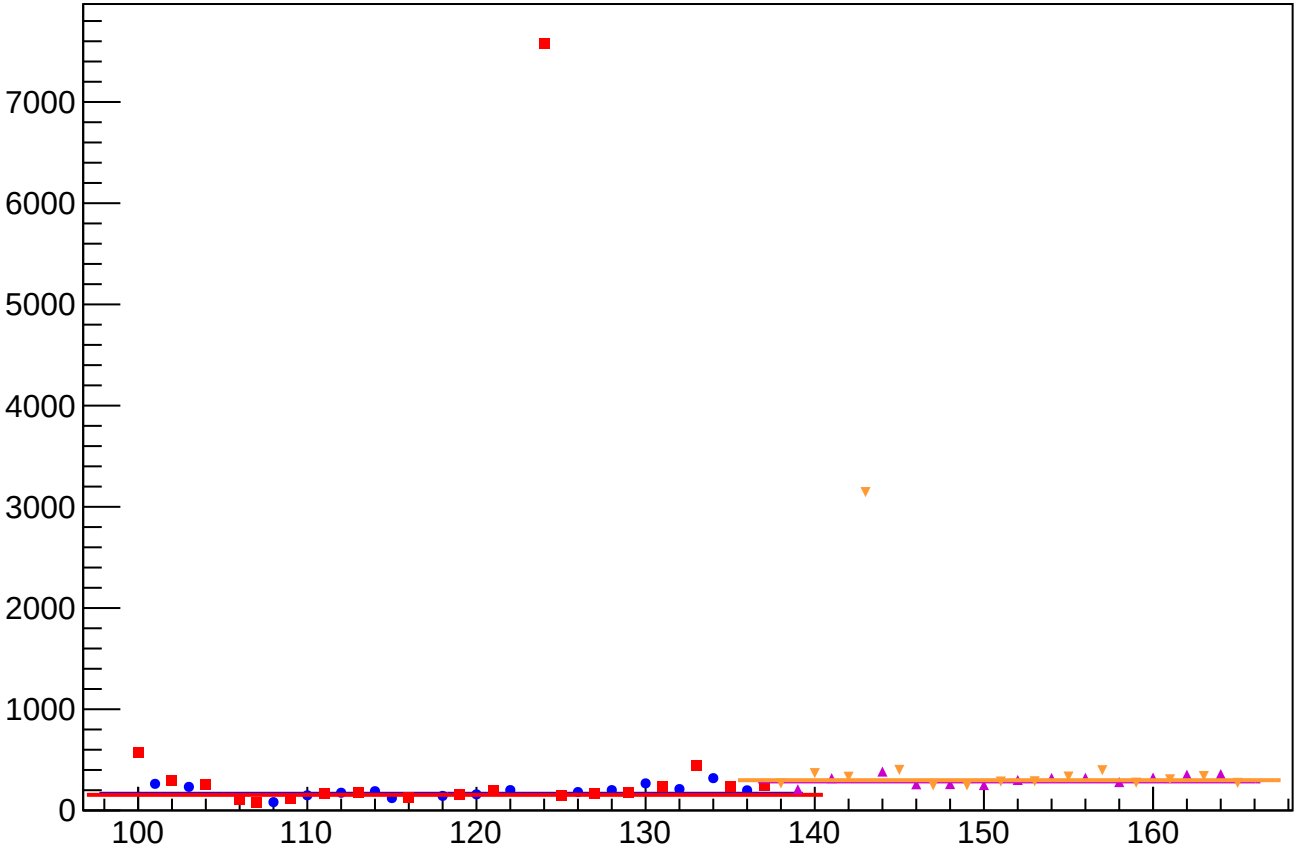
Left In: -0.006+/-0.089 χ^2/NDF:19.9/12

+ sign 0.027+/-0.054 χ^2/NDF: 26.7/30

All: 0.033+/-0.037 χ^2/NDF: 65.4/62

- sign 0.038+/-0.052 χ^2/NDF: 38.7/31

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 299.040+/-0.065 χ^2/NDF:1844528.8/14

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

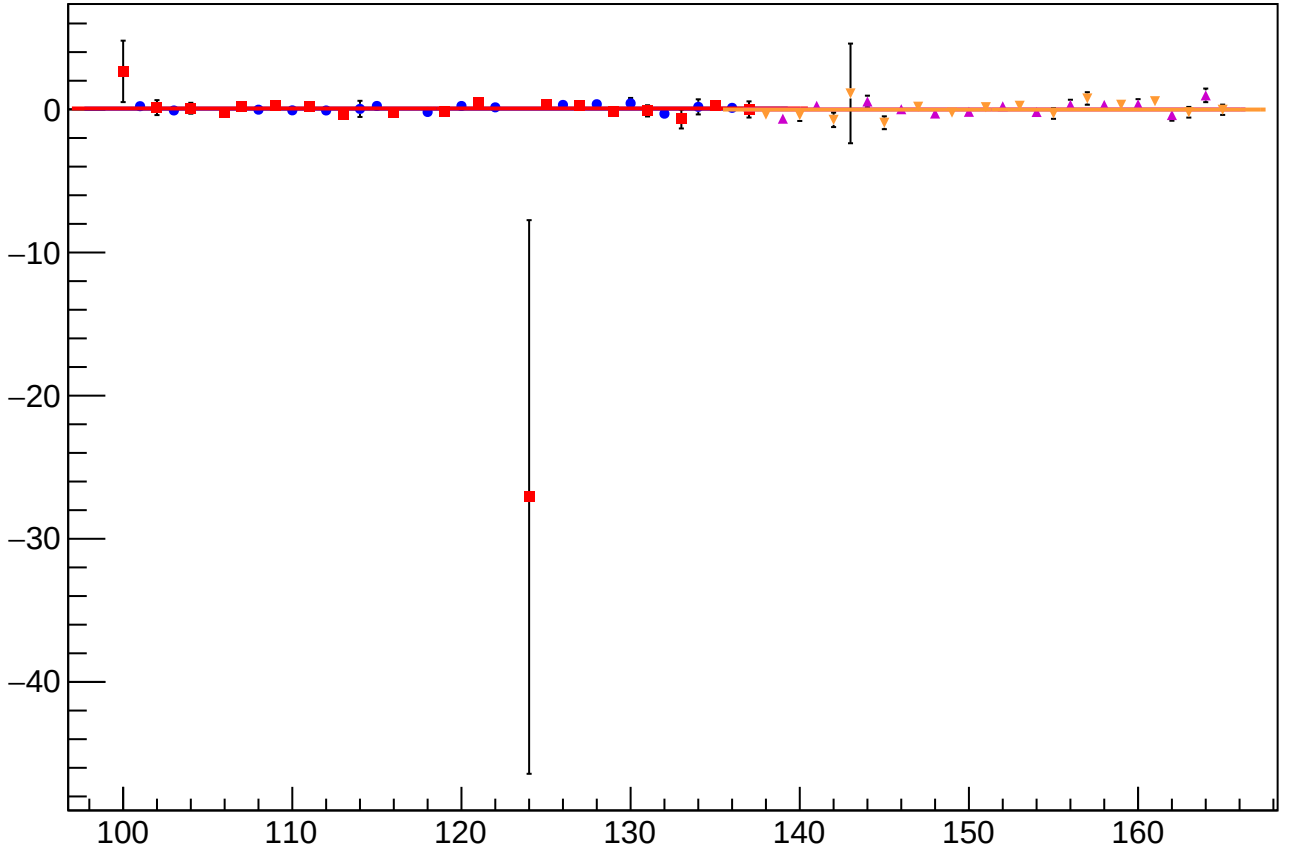
Left In: 286.837+/-0.063 χ^2/NDF:585864.0/12

+ sign 211.194+/-0.038 χ^2/NDF: 6138750.2/30

All: 205.456+/-0.026 χ^2/NDF: 11606665.5/62

- sign 200.054+/-0.037 χ^2/NDF: 5423626.9/31

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: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

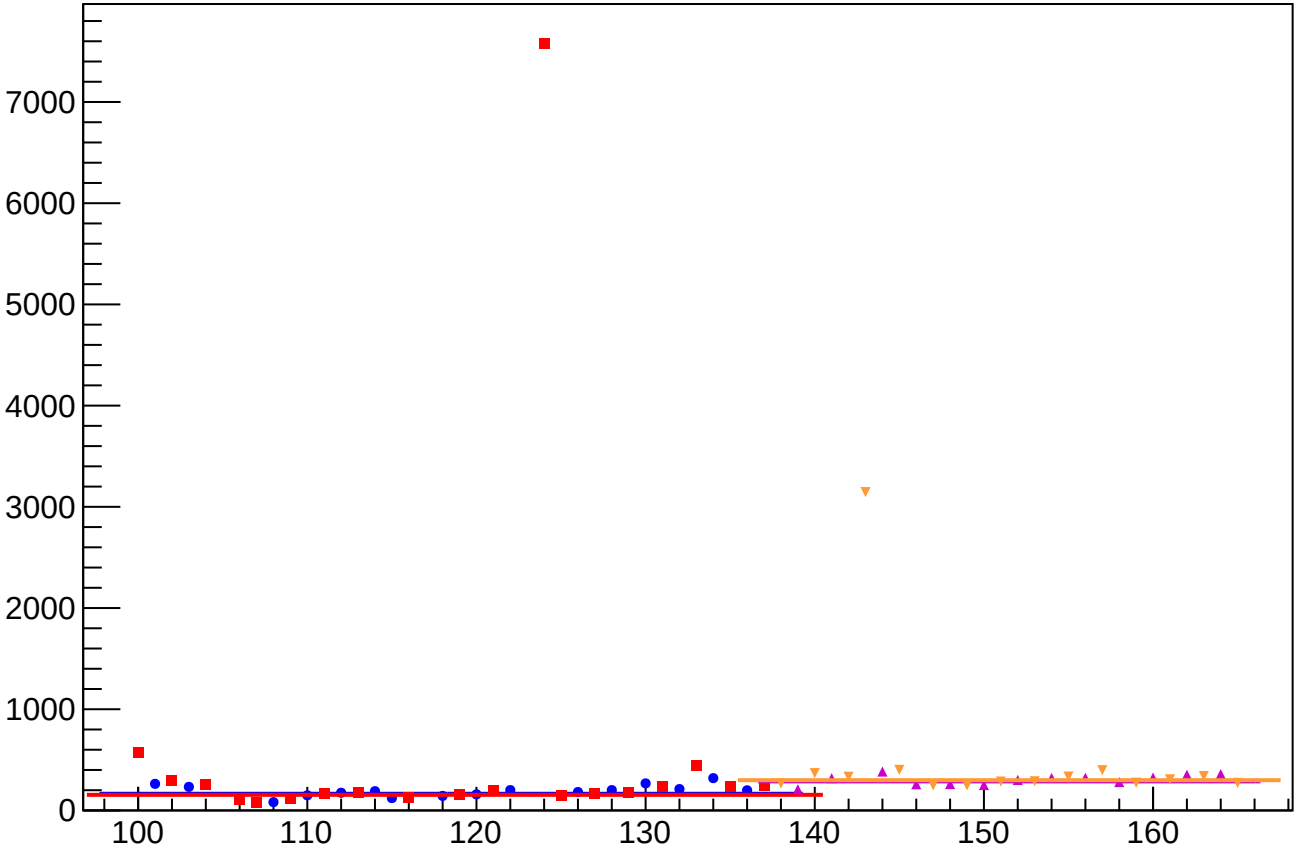
Left In: -0.006+/-0.089 χ^2/NDF:19.9/12

+ sign 0.027+/-0.054 χ^2/NDF: 26.7/30

All: 0.033+/-0.037 χ^2/NDF: 65.4/62

- sign 0.038+/-0.052 χ^2/NDF: 38.7/31

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: 299.040+/-0.065 χ^2/NDF:1844528.8/14

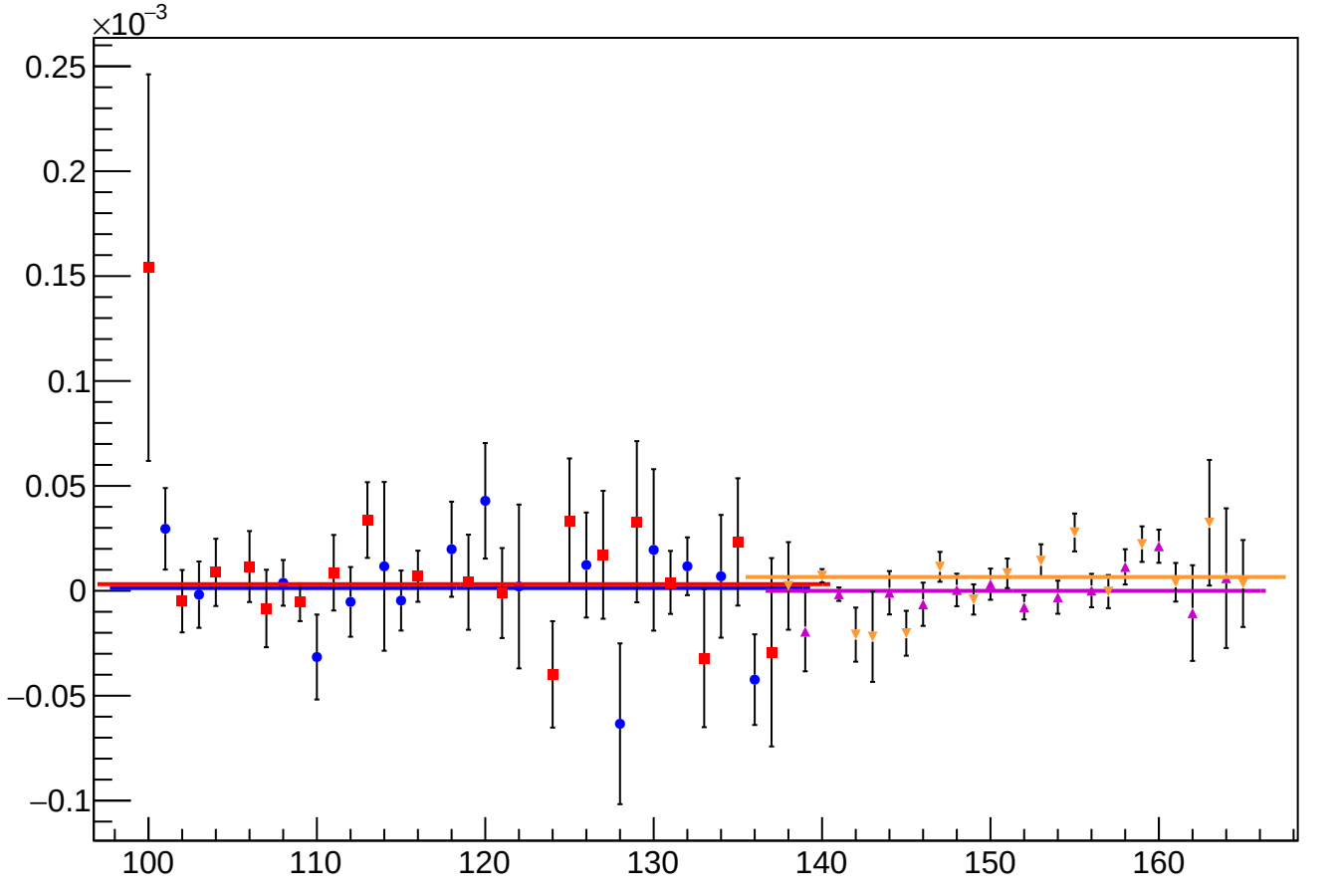
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 286.837+/-0.063 χ^2/NDF:585864.0/12

+ sign 211.194+/-0.038 χ^2/NDF: 6138750.2/30

All: 205.456+/-0.026 χ^2/NDF: 11606665.5/62

- sign 200.054+/-0.037 χ^2/NDF: 5423626.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/14

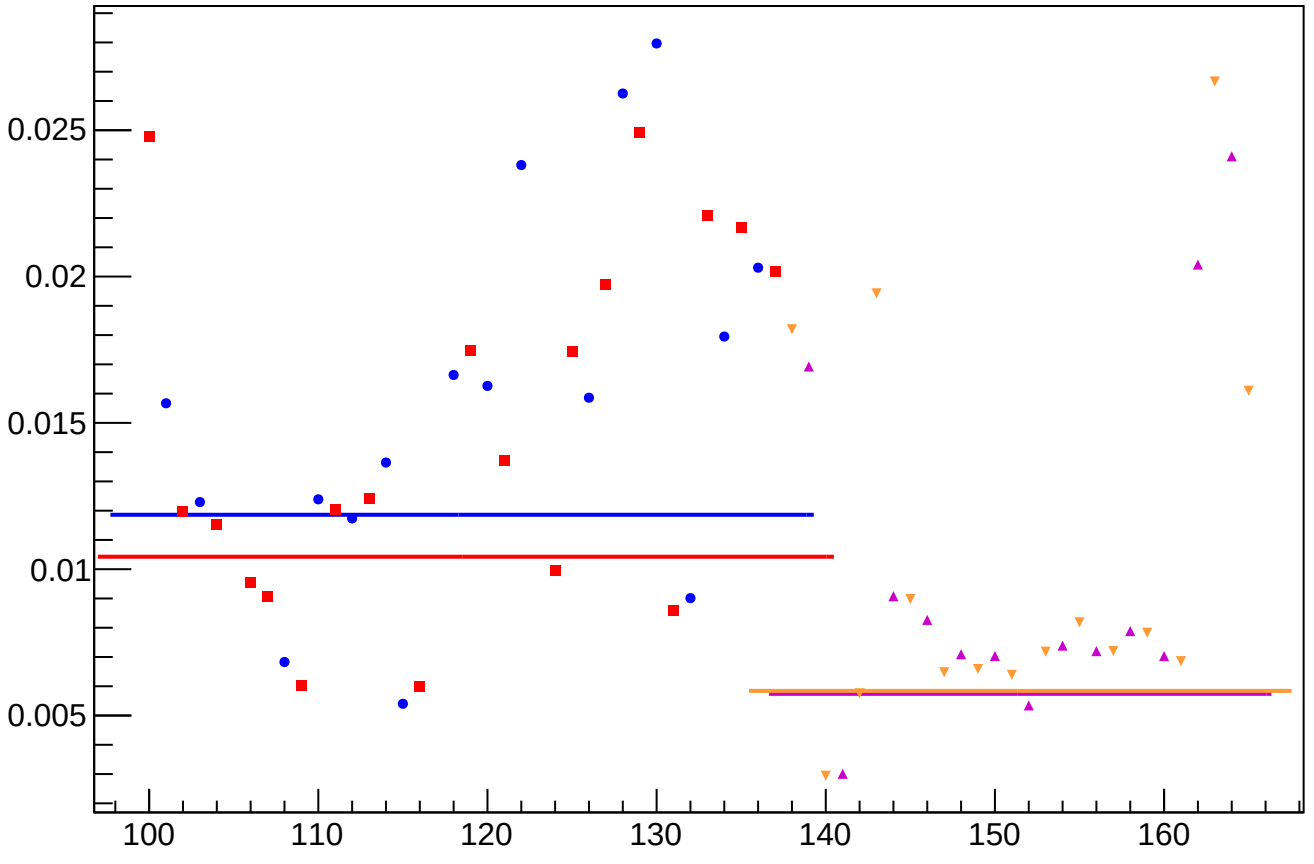
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/30

All: 0.000+/-0.000 χ^2/NDF: 76.3/62

- sign 0.000+/-0.000 χ^2/NDF: 28.2/31



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:5188012.2/14

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

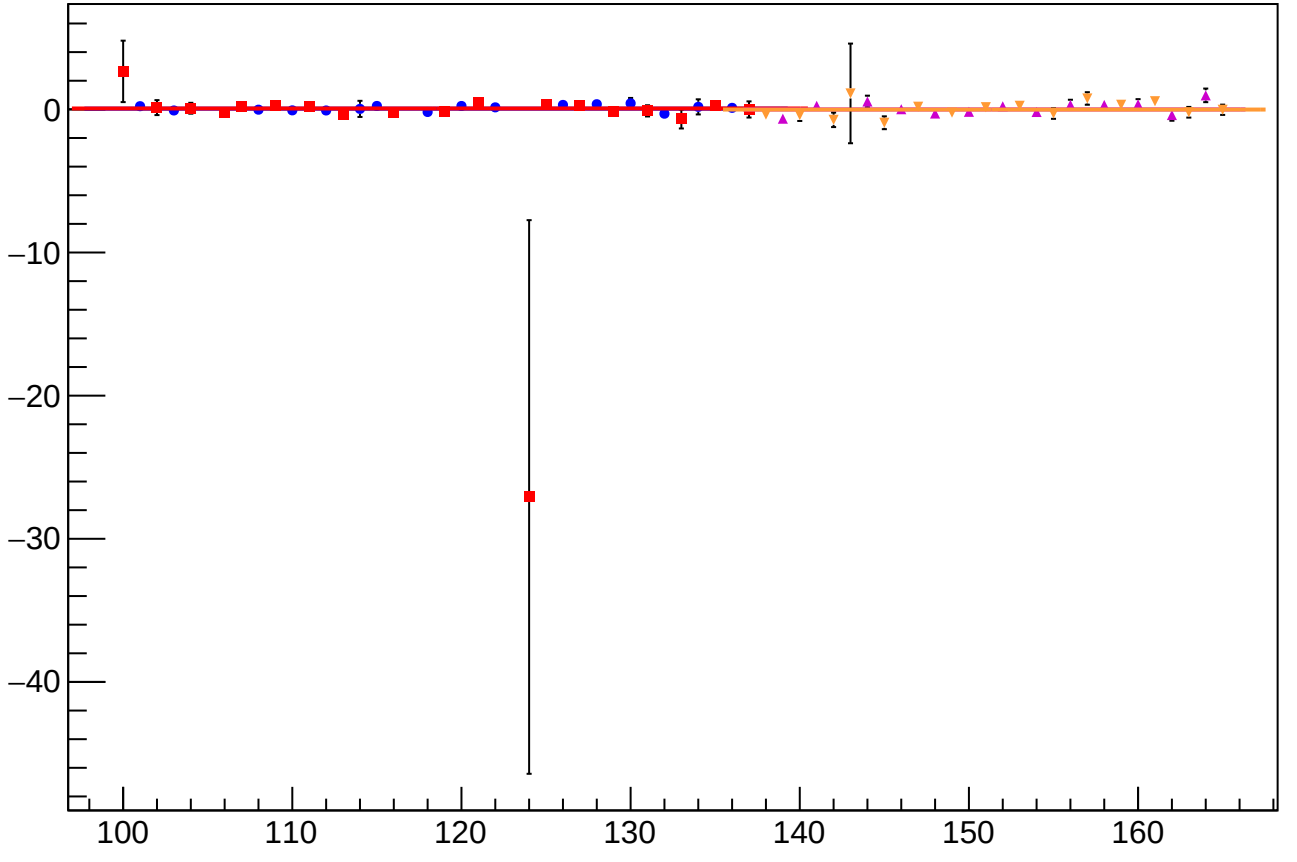
Left In: 0.006+/-0.000 χ^2/NDF:4386850.8/12

+ sign 0.007+/-0.000 χ^2/NDF: 10202458.2/30

All: 0.007+/-0.000 χ^2/NDF: 18945679.4/62

- sign 0.007+/-0.000 χ^2/NDF: 8739364.9/31

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: -0.013+/-0.091 χ^2/NDF:18.7/14

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

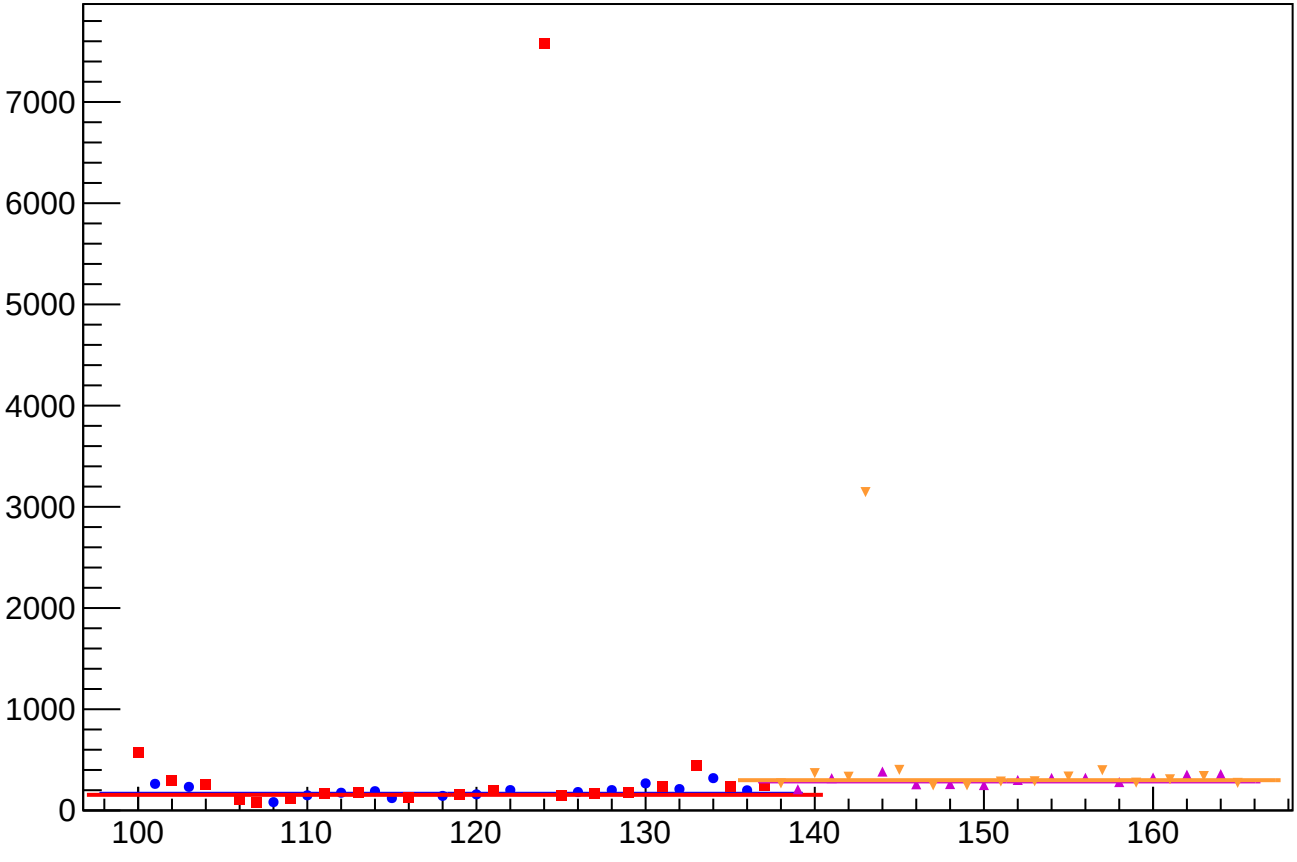
Left In: -0.006+/-0.089 χ^2/NDF:19.9/12

+ sign 0.027+/-0.054 χ^2/NDF: 26.7/30

All: 0.033+/-0.037 χ^2/NDF: 65.4/62

- sign 0.038+/-0.052 χ^2/NDF: 38.7/31

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: 299.044+/-0.065 χ^2/NDF:1844510.1/14

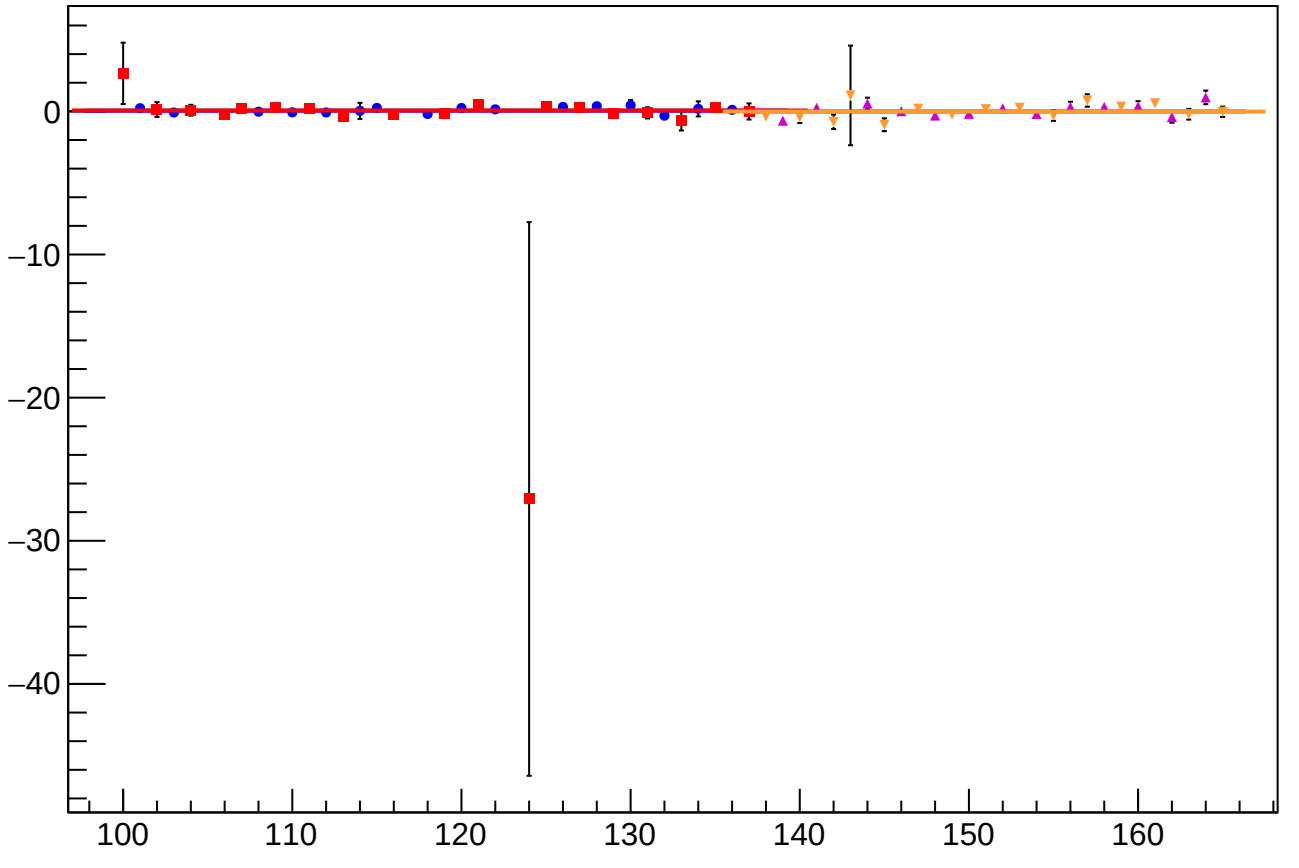
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 286.841+/-0.063 χ^2/NDF:585857.2/12

+ sign 211.195+/-0.038 χ^2/NDF: 6138862.7/30

All: 205.456+/-0.026 χ^2/NDF: 11606932.9/62

- sign 200.054+/-0.037 χ^2/NDF: 5423781.4/31



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.013+/-0.091 χ^2/NDF:18.7/14

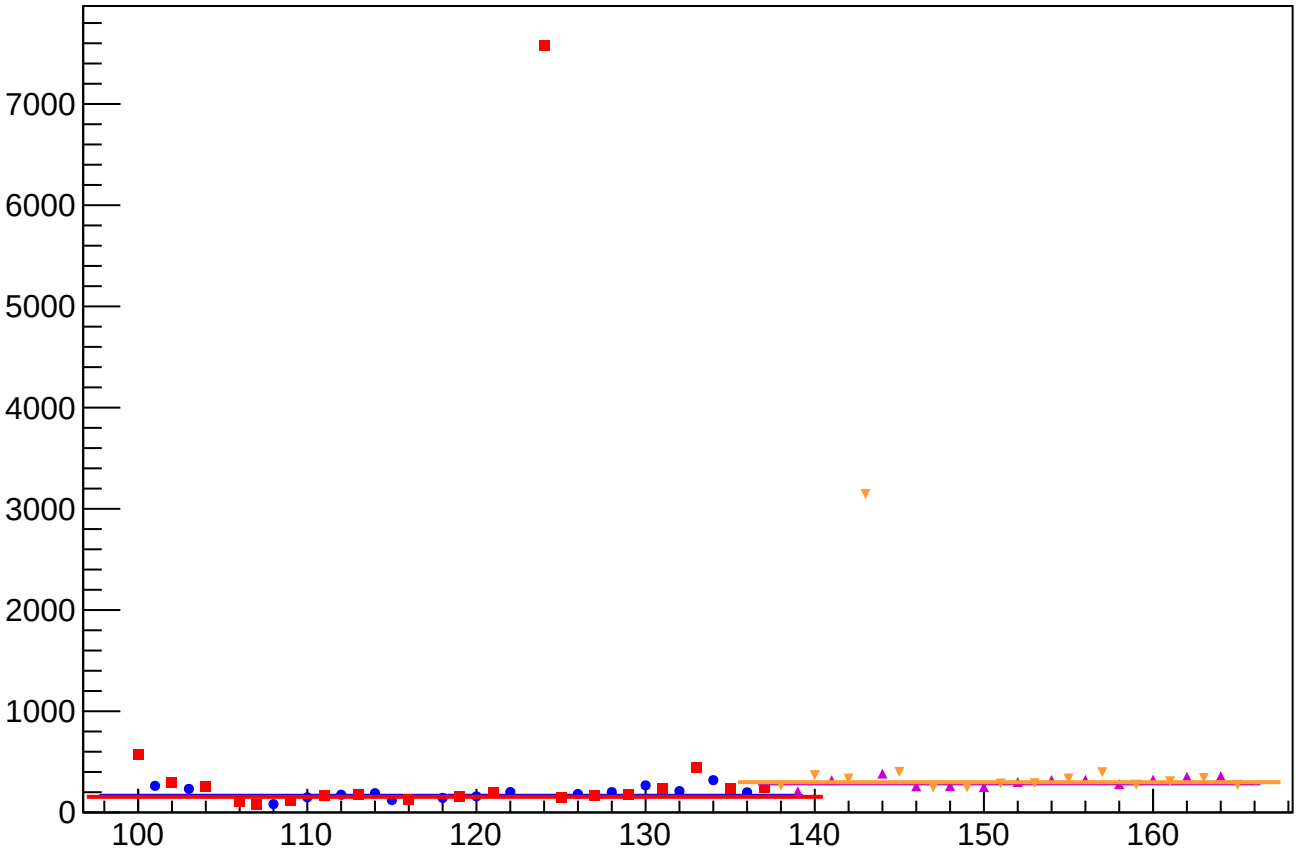
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.006+/-0.089 χ^2/NDF:19.9/12

+ sign 0.027+/-0.054 χ^2/NDF: 26.7/30

All: 0.033+/-0.037 χ^2/NDF: 65.4/62

- sign 0.038+/-0.052 χ^2/NDF: 38.7/31



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 299.044+/-0.065 χ^2/NDF:1844510.1/14

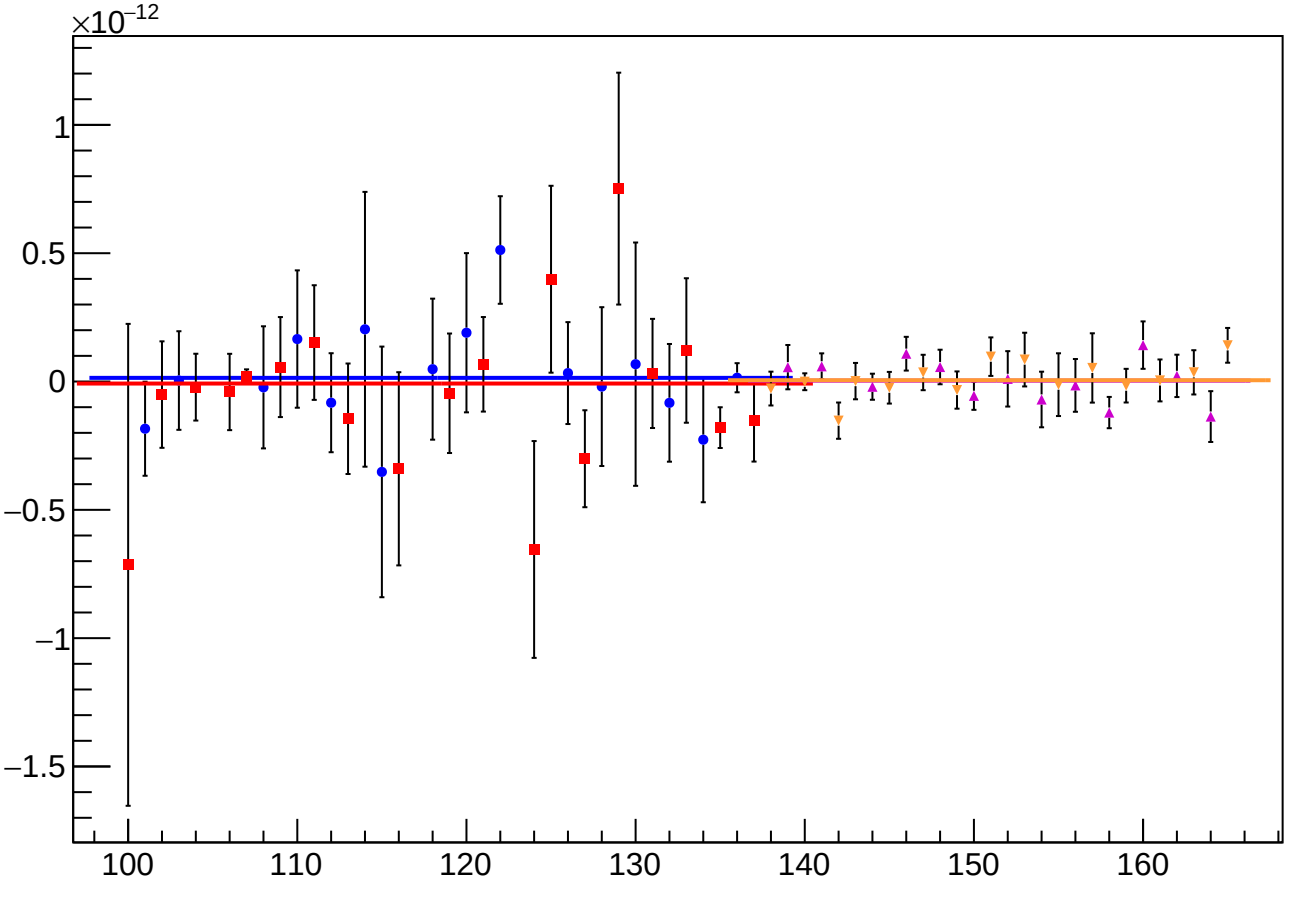
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 286.841+/-0.063 χ^2/NDF:585857.2/12

+ sign 211.195+/-0.038 χ^2/NDF: 6138862.7/30

All: 205.456+/-0.026 χ^2/NDF: 11606932.9/62

- sign 200.054+/-0.037 χ^2/NDF: 5423781.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/14

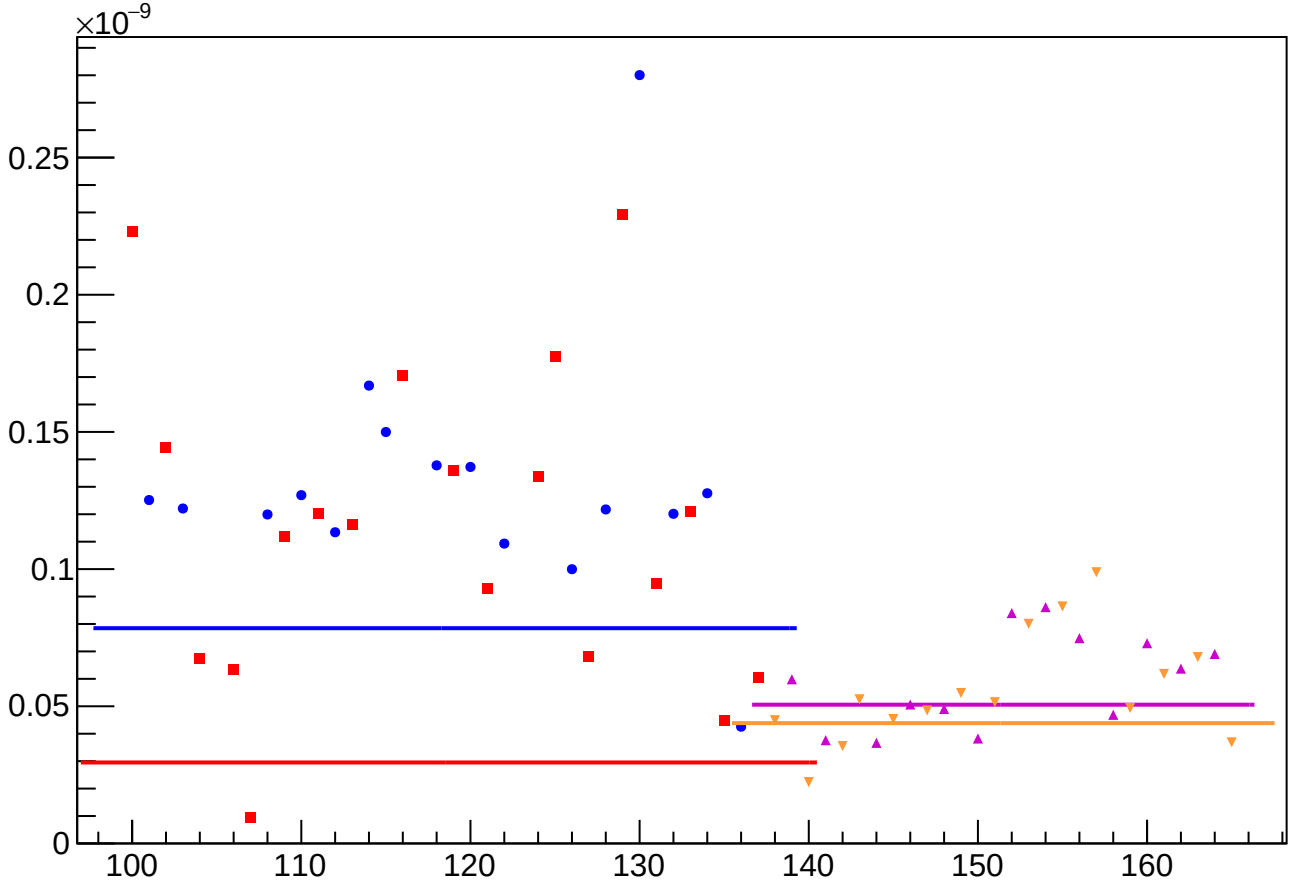
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/30

All: 0.000+/-0.000 χ^2/NDF: 55.8/62

- sign -0.000+/-0.000 χ^2/NDF: 33.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2094425.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

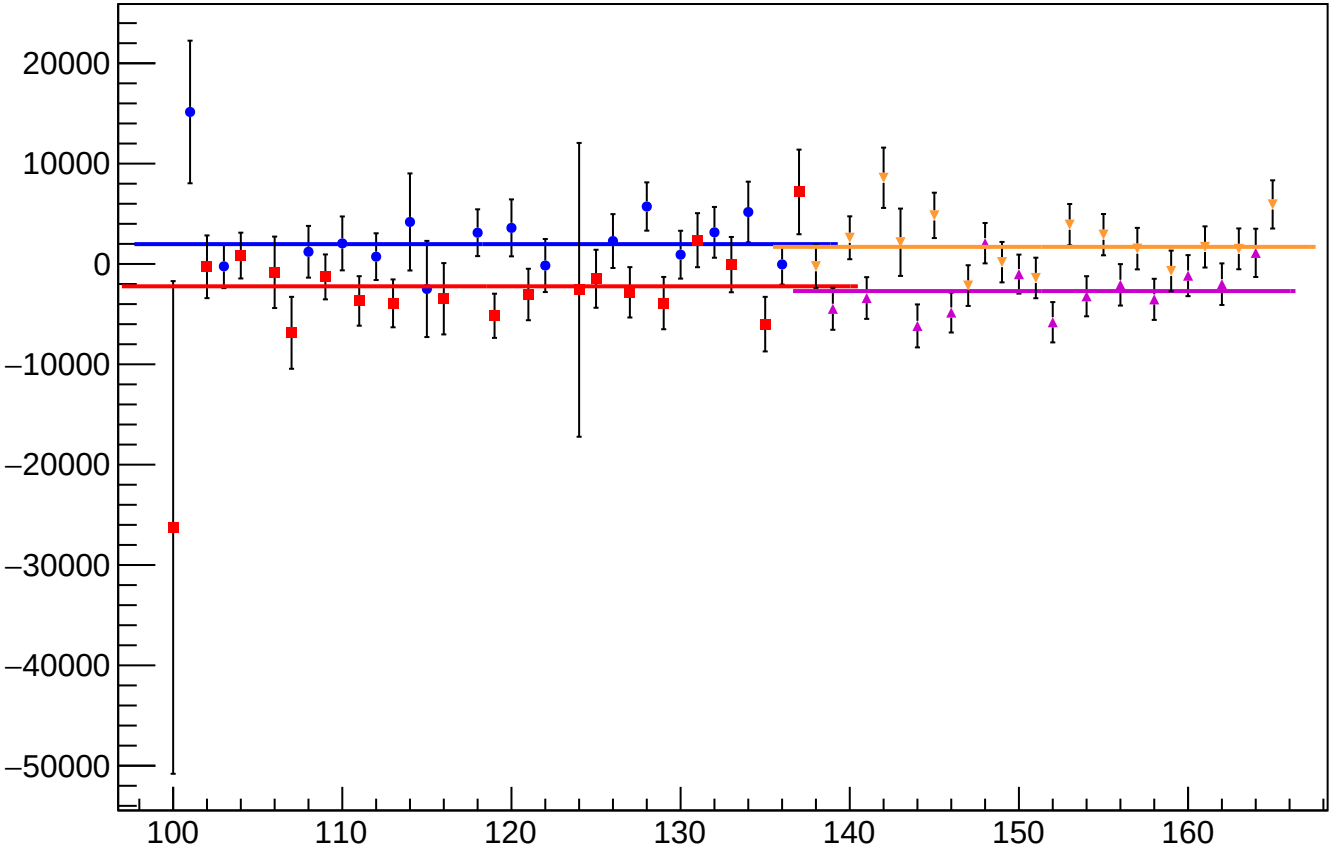
Left In: 0.000+/-0.000 χ^2/NDF:1170128.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 5339454.1/30

All: 0.000+/-0.000 χ^2/NDF: 13181655.1/62

- sign 0.000+/-0.000 χ^2/NDF: 7631268.8/31

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1703.548+/-562.134 χ^2/NDF:20.7/14

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

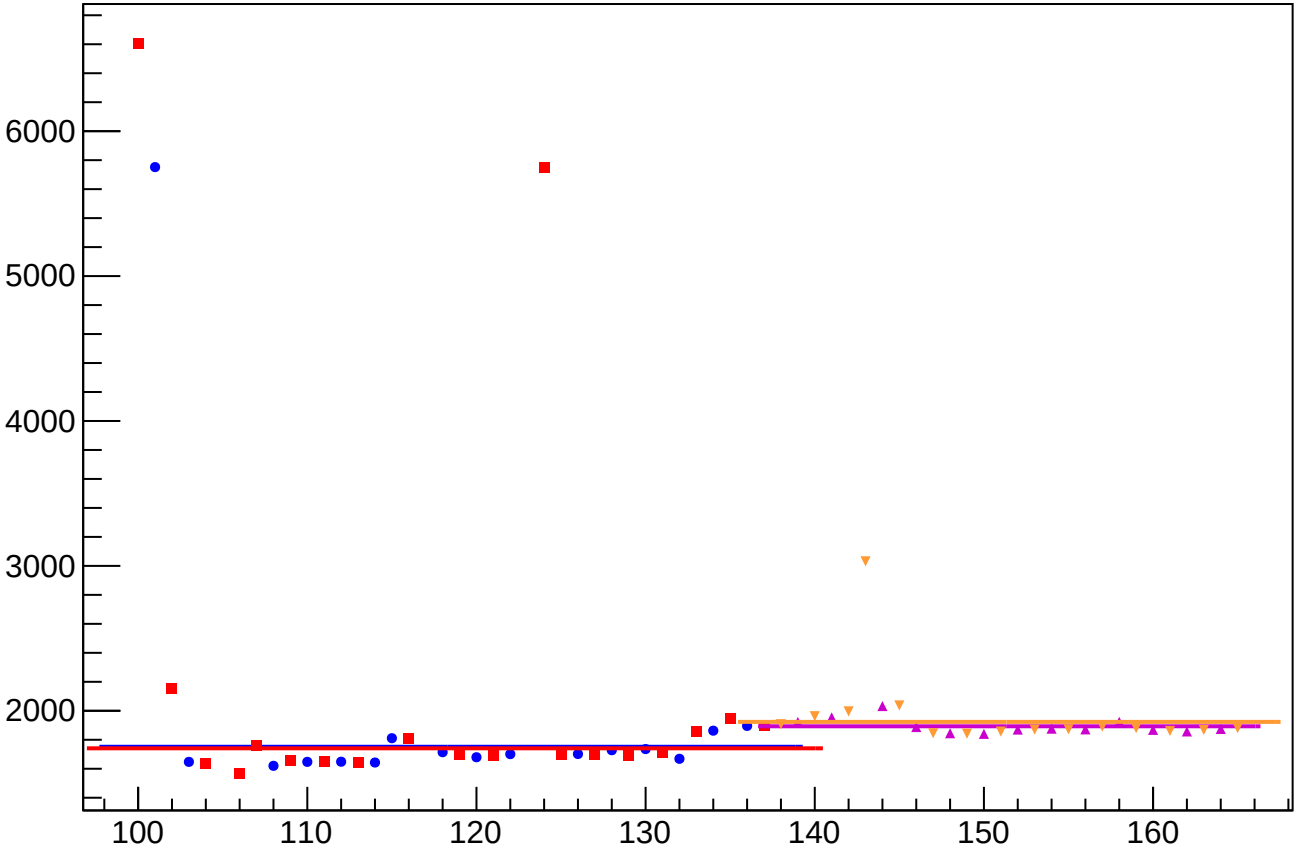
Left In: -2701.523+/-571.760 χ^2/NDF:16.9/12

+ sign 1816.680+/-430.029 χ^2/NDF: 33.0/30

All: -334.488+/-304.456 χ^2/NDF: 119.3/62

- sign -2496.411+/-431.103 χ^2/NDF: 36.2/31

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1923.402+/-0.397 χ^2/NDF:241425.3/14

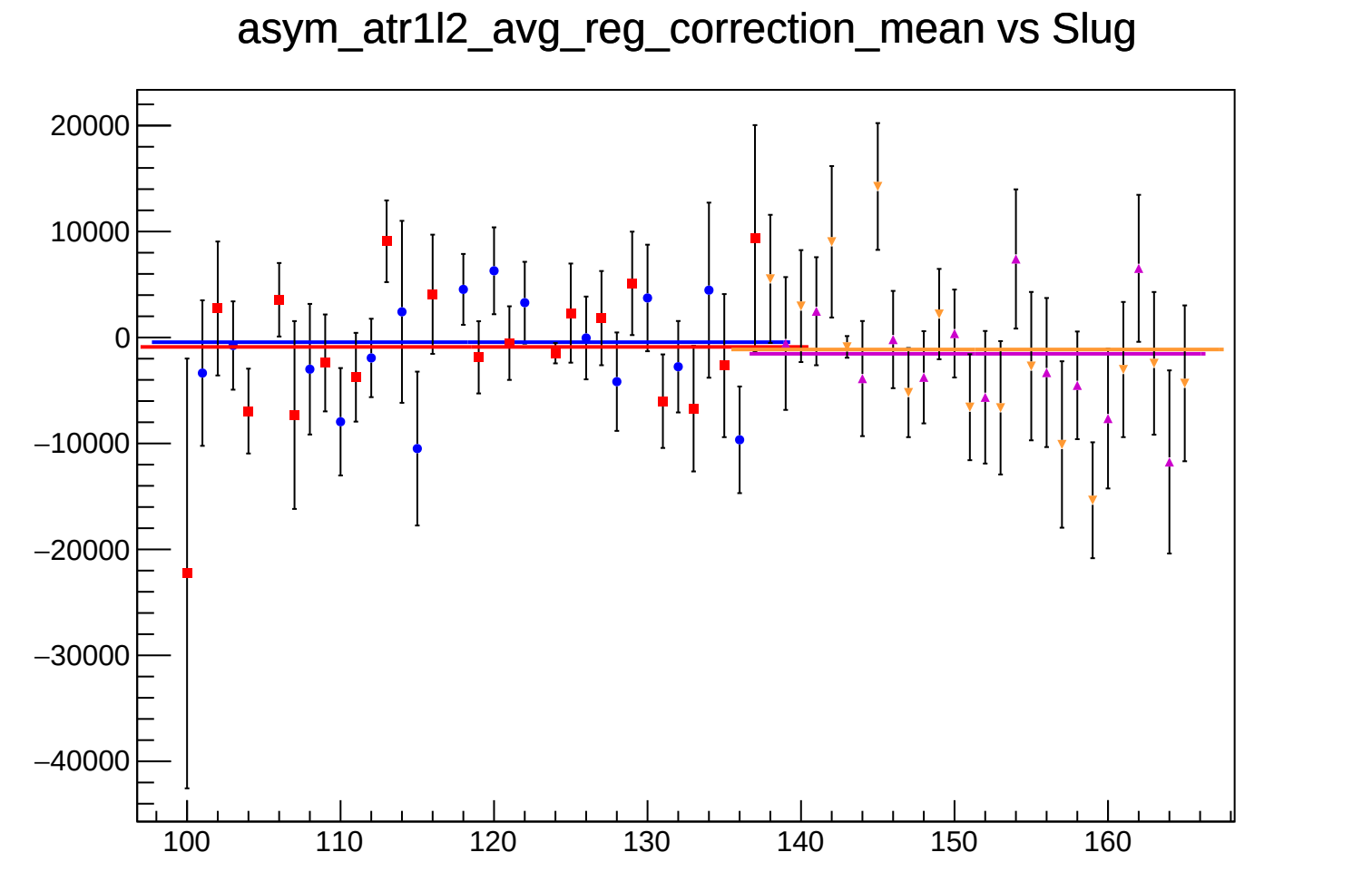
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

+ sign 1852.144+/-0.304 χ^2/NDF: 989557.9/30

All: 1839.522+/-0.215 χ^2/NDF: 1374443.3/62

- sign 1826.917+/-0.304 χ^2/NDF: 381441.6/31



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1131.626+/-851.480 χ^2/NDF:22.4/14

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

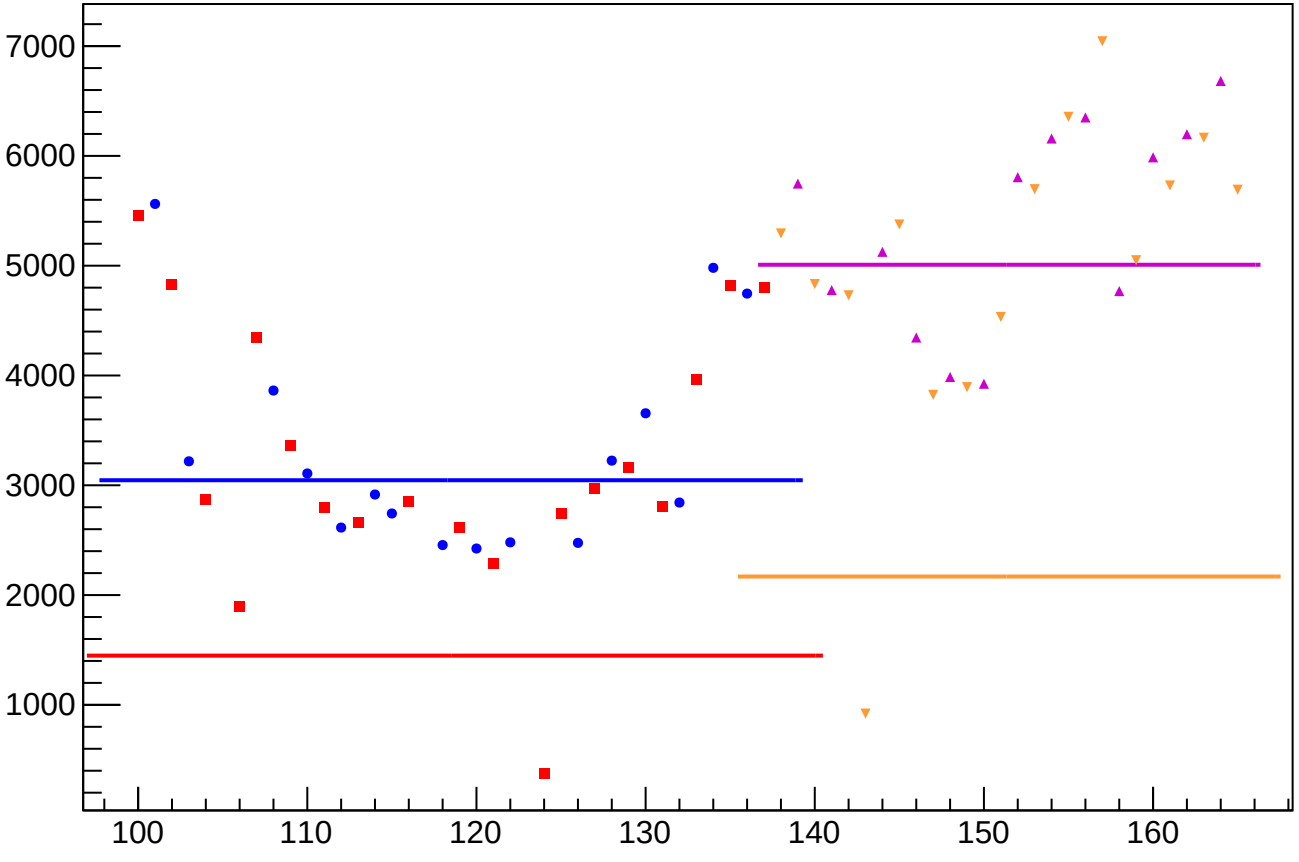
Left In: -1538.308+/-1541.267 χ^2/NDF:7.7/12

+ sign -894.810+/-689.366 χ^2/NDF: 38.6/30

All: -954.939+/-475.444 χ^2/NDF: 66.5/62

- sign -1009.487+/-656.589 χ^2/NDF: 27.9/31

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2168.787+/-0.602 χ^2/NDF:10397490.1/14

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

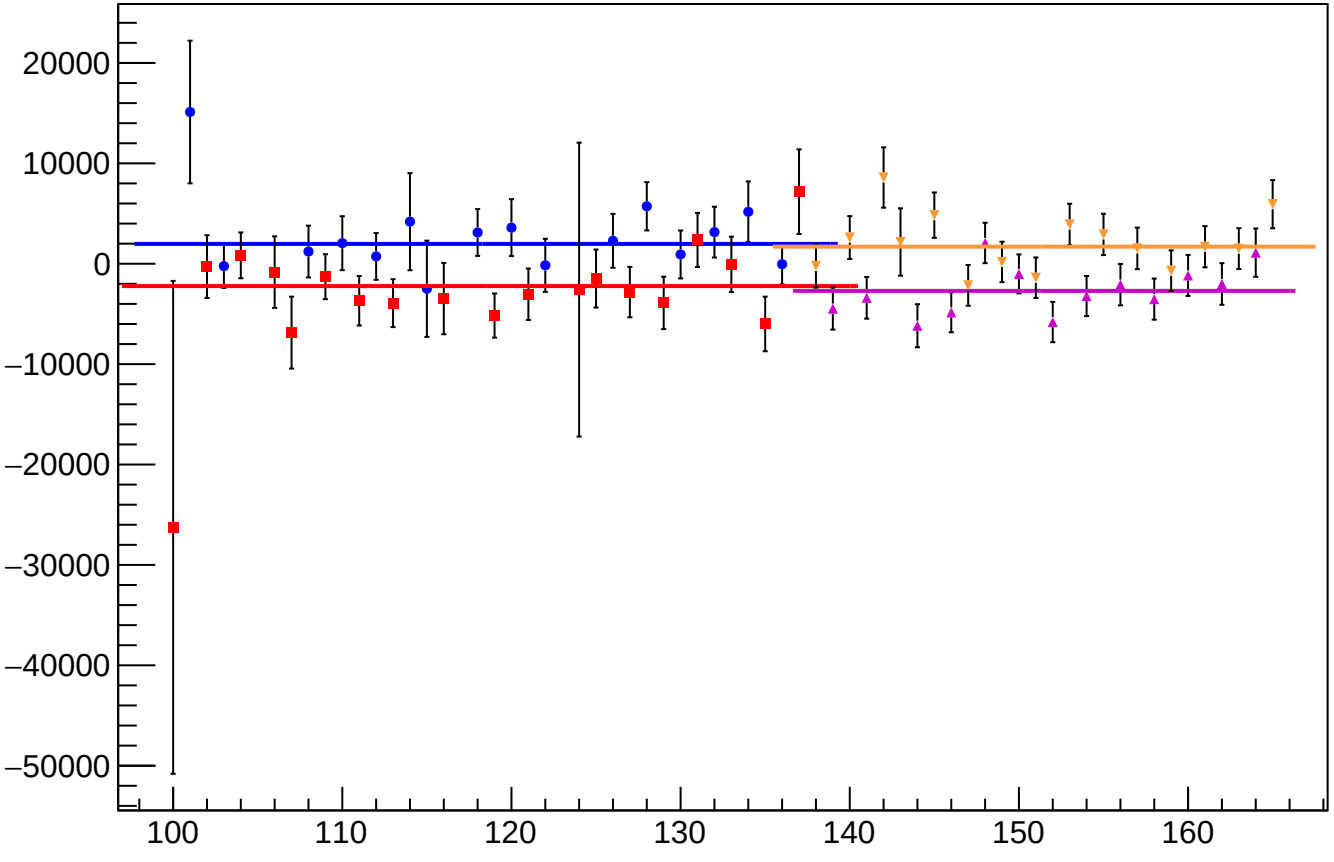
Left In: 5008.600+/-1.090 χ^2/NDF:670222.8/12

+ sign 2470.988+/-0.487 χ^2/NDF: 12036083.7/30

All: 2273.637+/-0.336 χ^2/NDF: 28540031.8/6

- sign 2094.607+/-0.464 χ^2/NDF: 16191342.2/31

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1703.607+/-562.134 χ^2/NDF:20.7/14

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

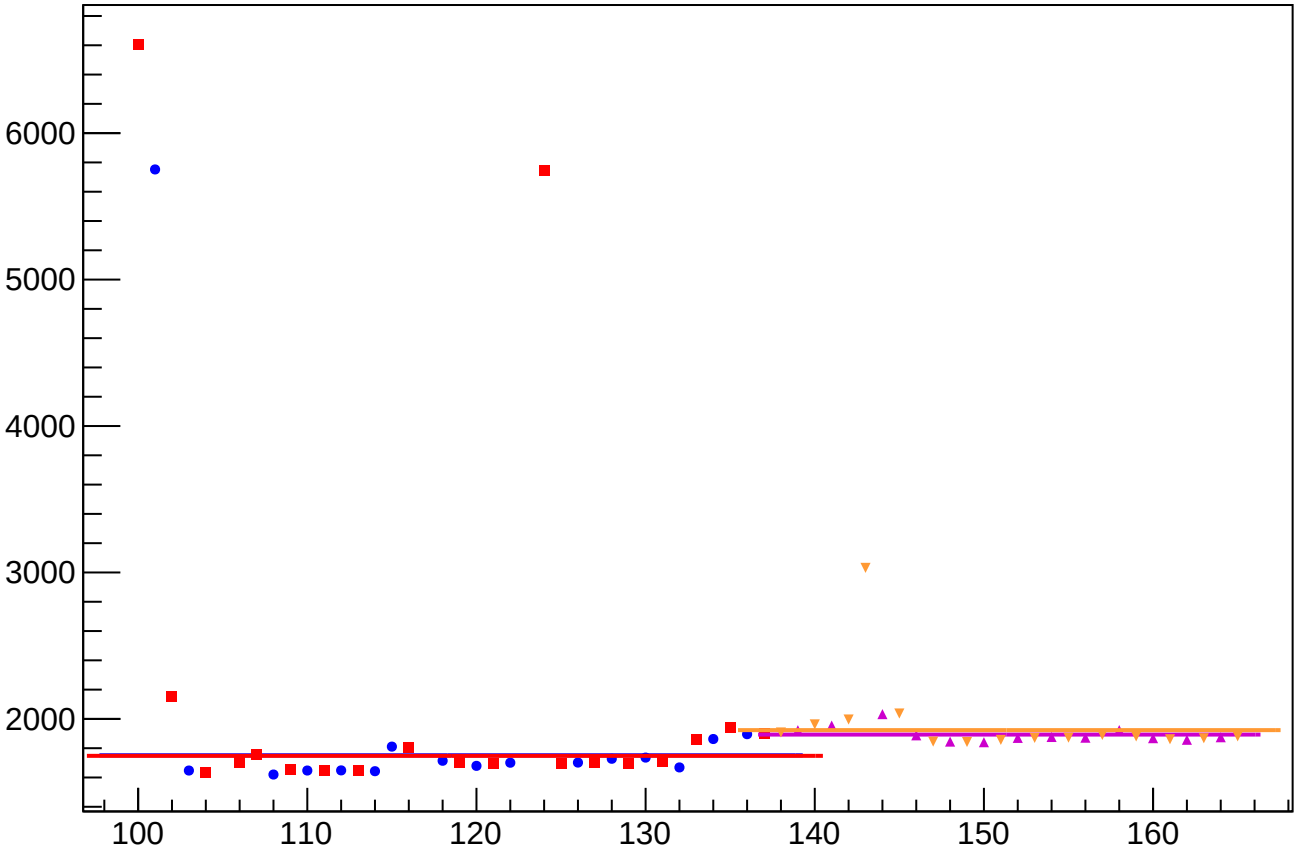
Left In: -2701.622+/-571.760 χ^2/NDF:16.9/12

+ sign 1816.569+/-430.029 χ^2/NDF: 32.9/30

All: -334.593+/-304.456 χ^2/NDF: 119.3/62

- sign -2496.509+/-431.103 χ^2/NDF: 36.2/31

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1923.402+/-0.397 χ^2/NDF:241425.3/14

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

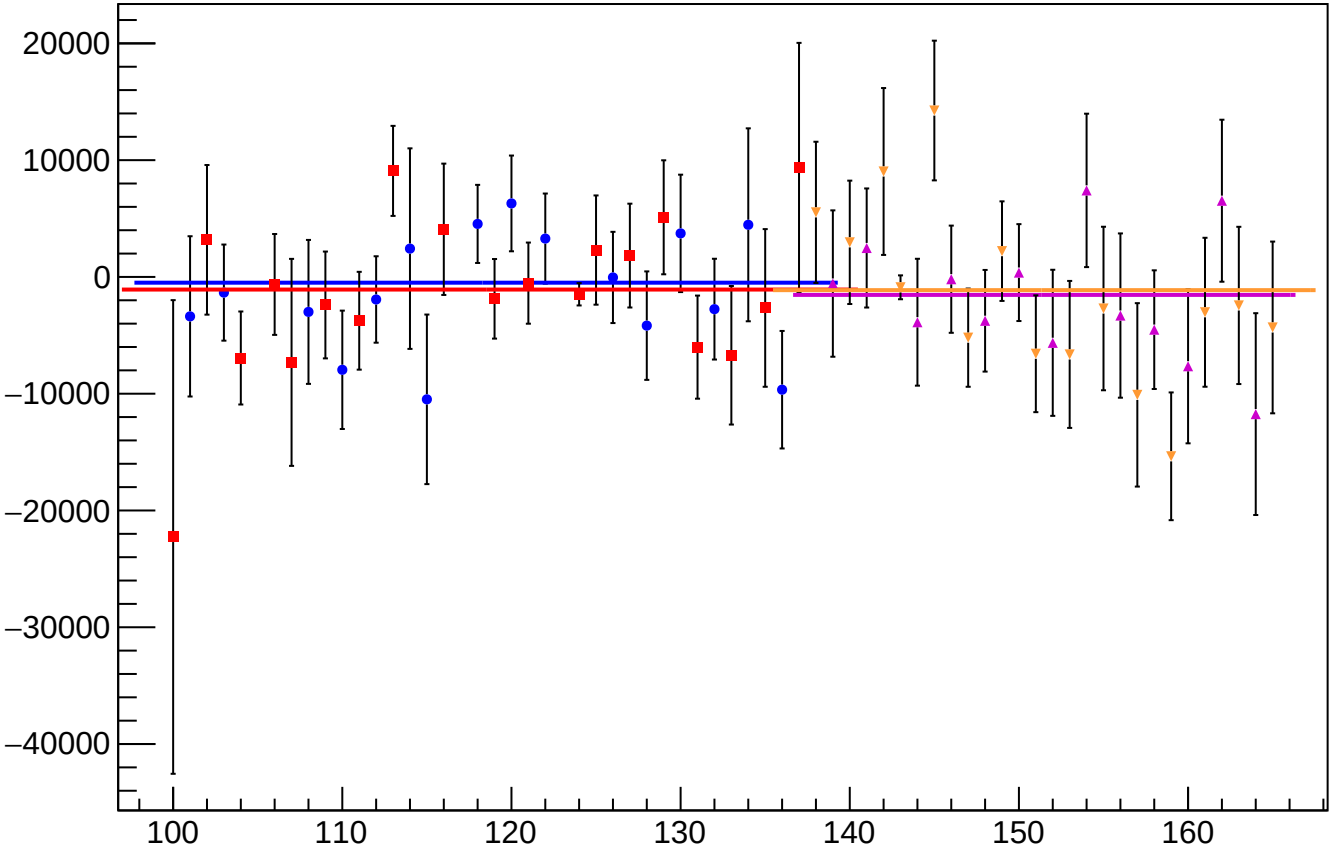
Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

+ sign 1852.144+/-0.304 χ^2/NDF: 989558.4/30

All: 1841.135+/-0.215 χ^2/NDF: 1361327.1/62

- sign 1830.106+/-0.304 χ^2/NDF: 369144.7/31

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1131.424+/-851.456 χ^2/NDF:22.4/14

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

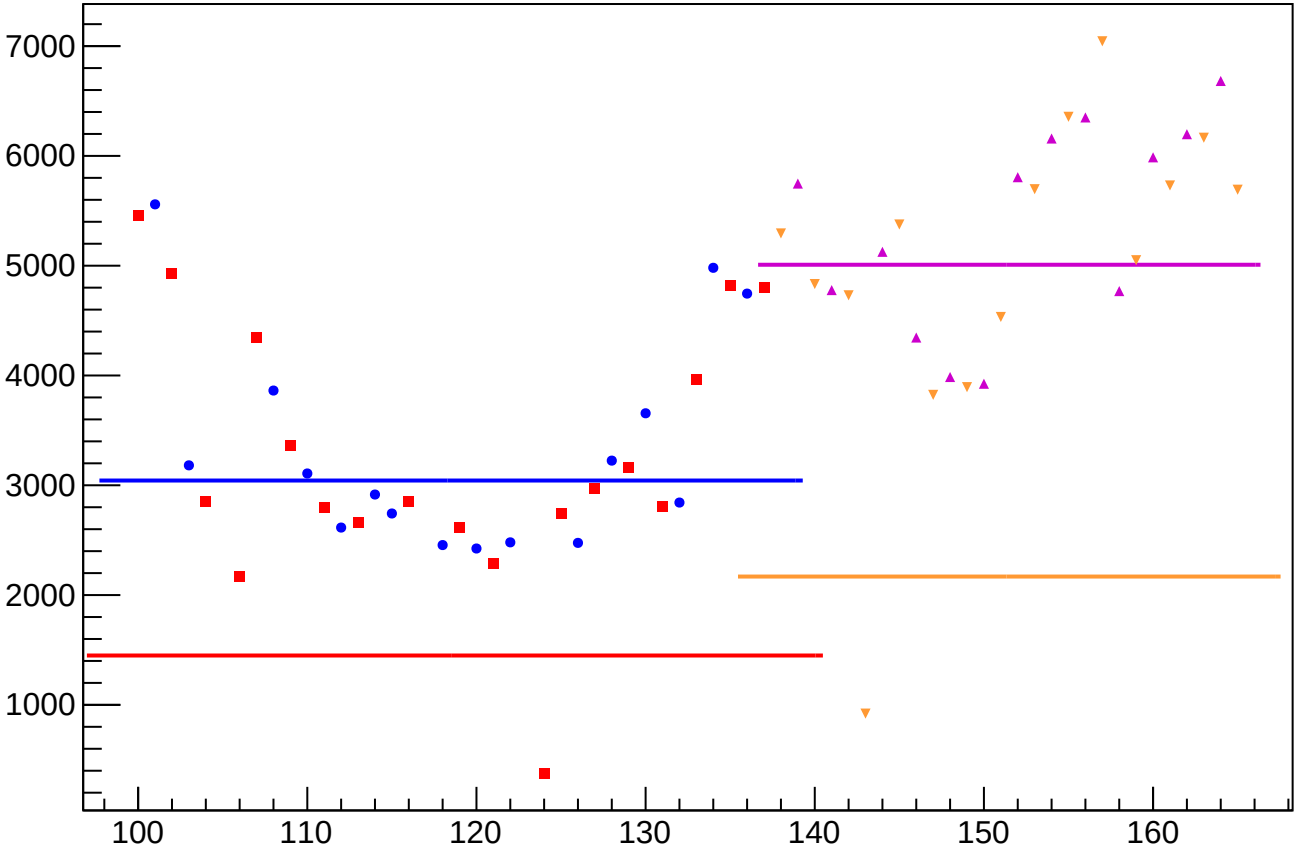
Left In: -1538.387+/-1541.266 χ^2/NDF:7.7/12

+ sign -911.148+/-689.108 χ^2/NDF: 38.6/30

All: -1043.401+/-476.956 χ^2/NDF: 64.9/62

- sign -1165.018+/-660.816 χ^2/NDF: 26.2/31

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2168.690+/-0.602 χ^2/NDF:10397910.3/14

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

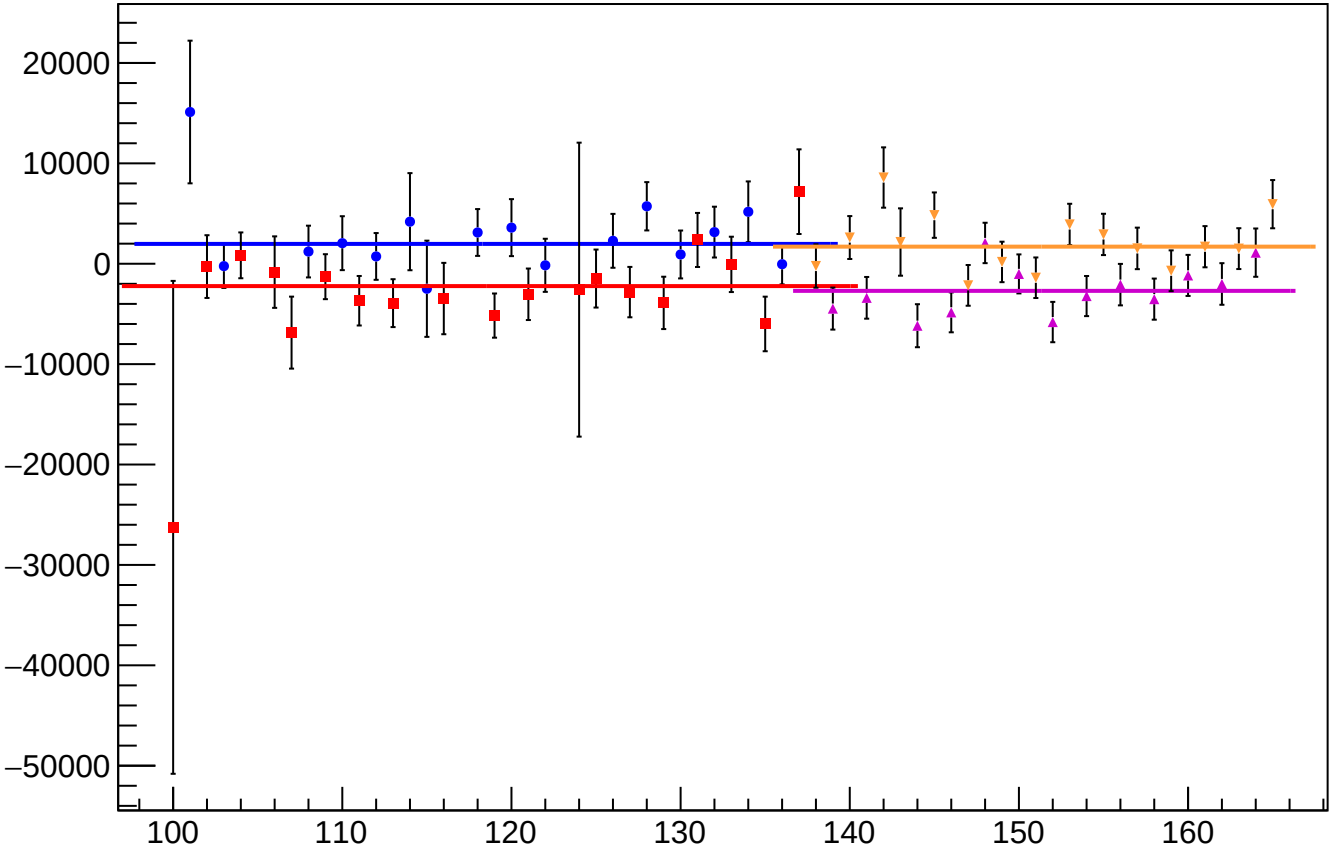
Left In: 5008.598+/-1.090 χ^2/NDF:670222.3/12

+ sign 2470.408+/-0.487 χ^2/NDF: 12031528.9/30

All: 2279.407+/-0.337 χ^2/NDF: 28526704.7/6

- sign 2103.767+/-0.467 χ^2/NDF: 16200237.1/31

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1703.607+/-562.134 χ^2/NDF:20.7/14

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

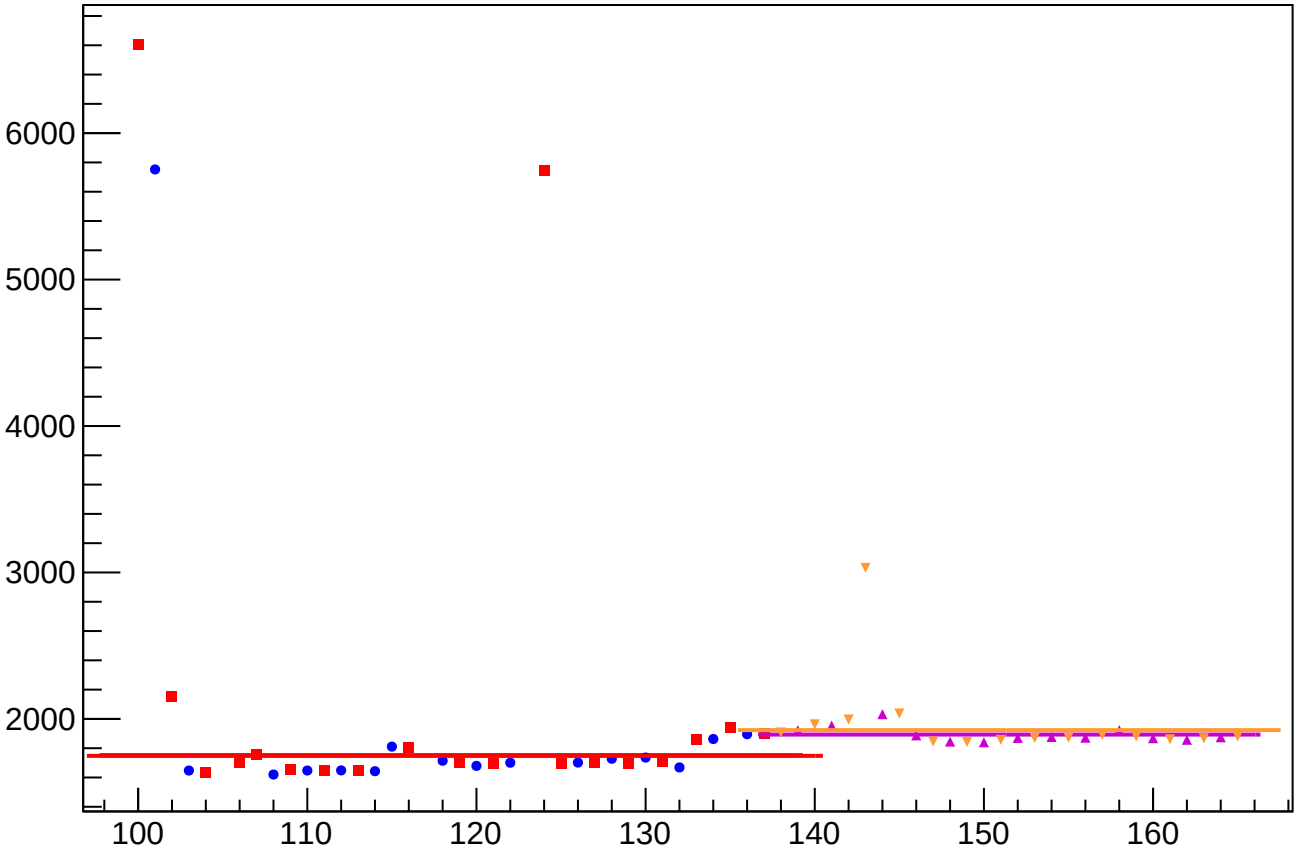
Left In: -2701.622+/-571.760 χ^2/NDF:16.9/12

+ sign 1816.569+/-430.029 χ^2/NDF: 32.9/30

All: -334.593+/-304.456 χ^2/NDF: 119.3/62

- sign -2496.509+/-431.103 χ^2/NDF: 36.2/31

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1923.402+/-0.397 χ^2/NDF:241425.3/14

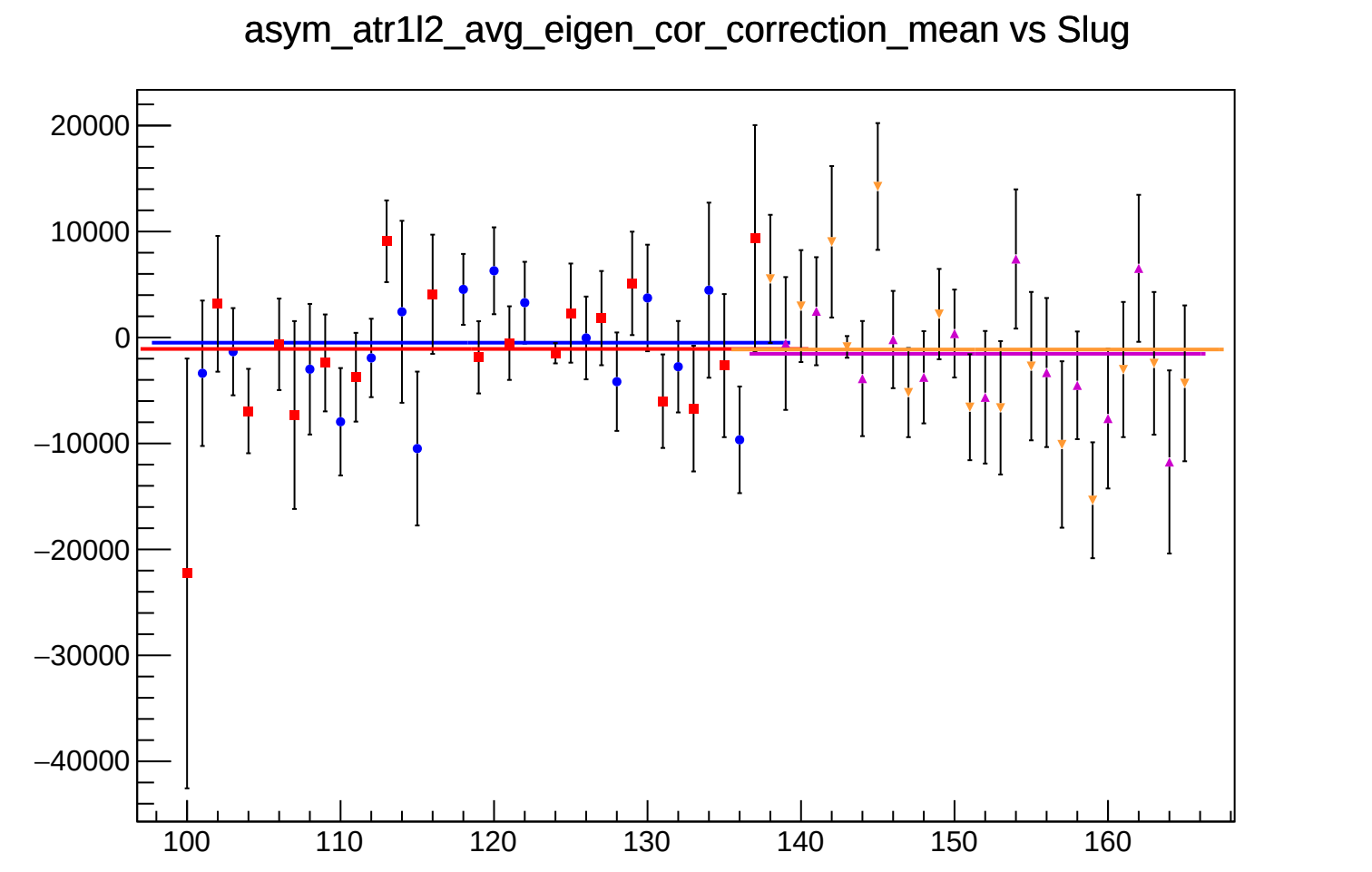
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

+ sign 1852.144+/-0.304 χ^2/NDF: 989558.4/30

All: 1841.135+/-0.215 χ^2/NDF: 1361327.1/62

- sign 1830.106+/-0.304 χ^2/NDF: 369144.7/31



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1131.424+/-851.456 χ^2/NDF:22.4/14

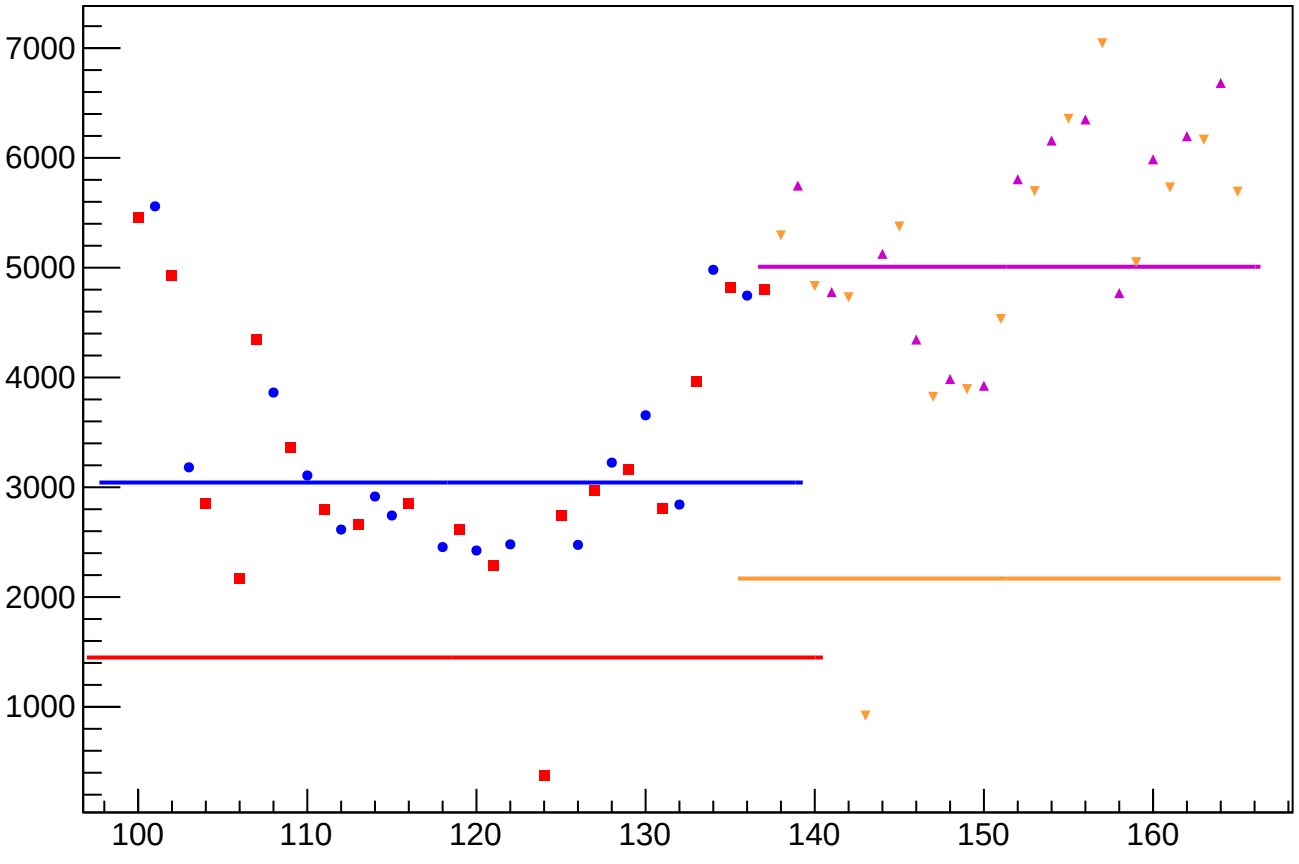
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -1538.387+/-1541.266 χ^2/NDF:7.7/12

+ sign -911.148+/-689.108 χ^2/NDF: 38.6/30

All: -1043.401+/-476.956 χ^2/NDF: 64.9/62

- sign -1165.018+/-660.816 χ^2/NDF: 26.2/31



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2168.690+/-0.602 χ^2/NDF:10397910.3/14

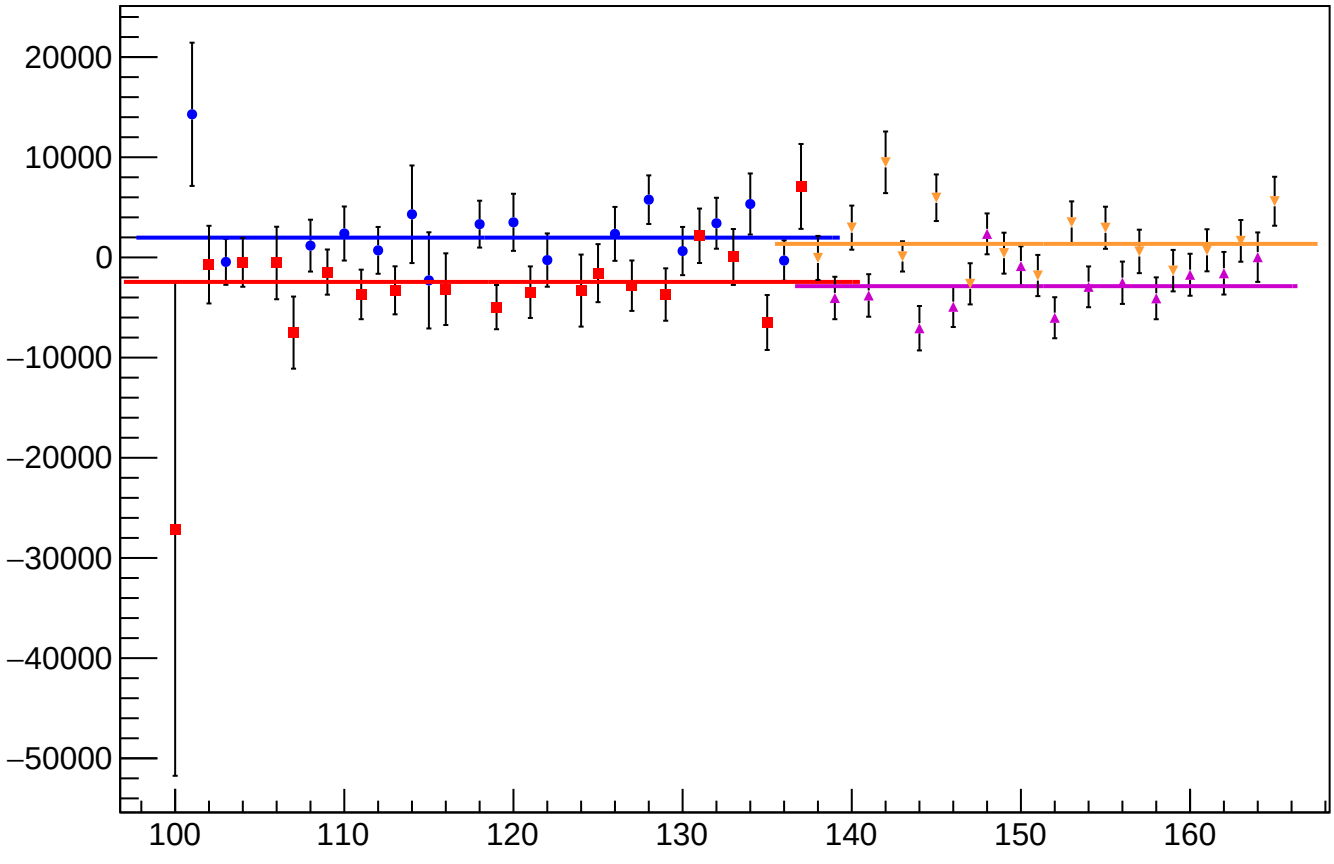
Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5008.598+/-1.090 χ^2/NDF:670222.3/12

+ sign 2470.408+/-0.487 χ^2/NDF: 12031528.9/30

All: 2279.407+/-0.337 χ^2/NDF: 28526704.7/6

- sign 2103.767+/-0.467 χ^2/NDF: 16200237.1/31



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1352.598+/-543.883 χ^2/NDF:25.5/14

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

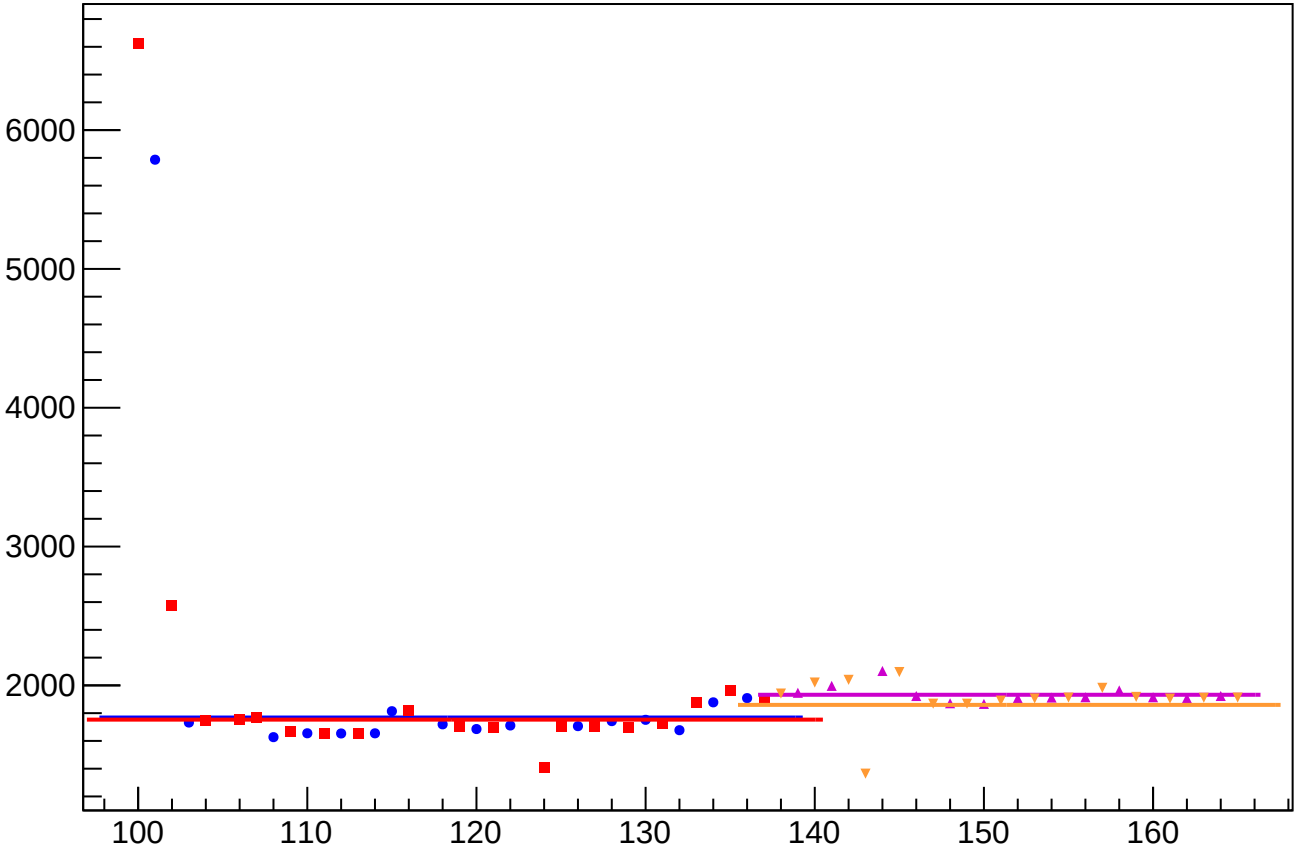
Left In: -2868.157+/-583.720 χ^2/NDF:17.5/12

+ sign 1598.332+/-423.284 χ^2/NDF: 38.4/30

All: -475.397+/-303.896 χ^2/NDF: 123.1/62

- sign -2681.348+/-436.570 χ^2/NDF: 35.2/31

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.592+/-0.385 χ^2/NDF:270049.4/14

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

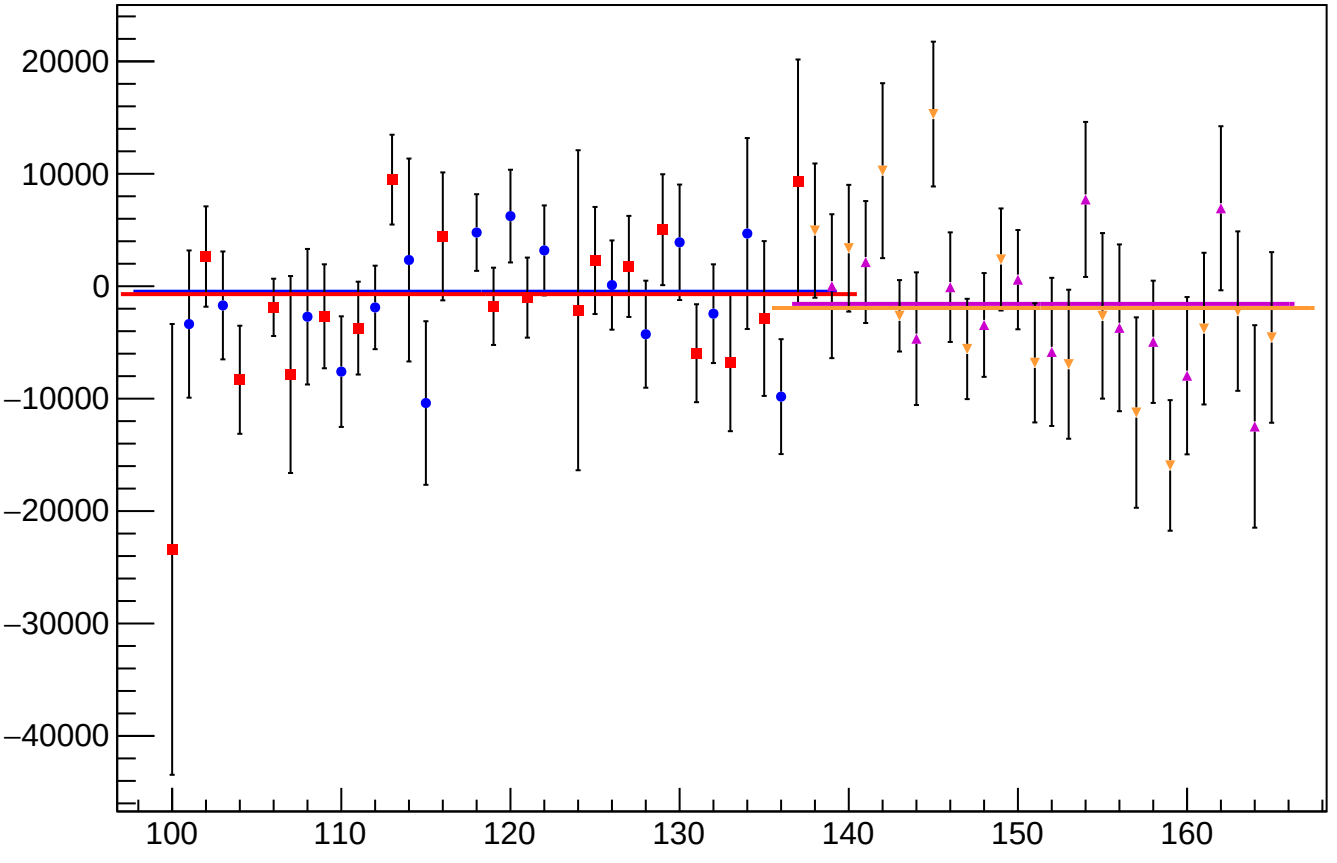
Left In: 1932.396+/-0.413 χ^2/NDF:19475.5/12

+ sign 1823.666+/-0.299 χ^2/NDF: 959548.0/30

All: 1838.034+/-0.215 χ^2/NDF: 1285767.4/62

- sign 1853.282+/-0.308 χ^2/NDF: 321469.5/31

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1936.806+/-1446.964 χ^2/NDF:22.1/14

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

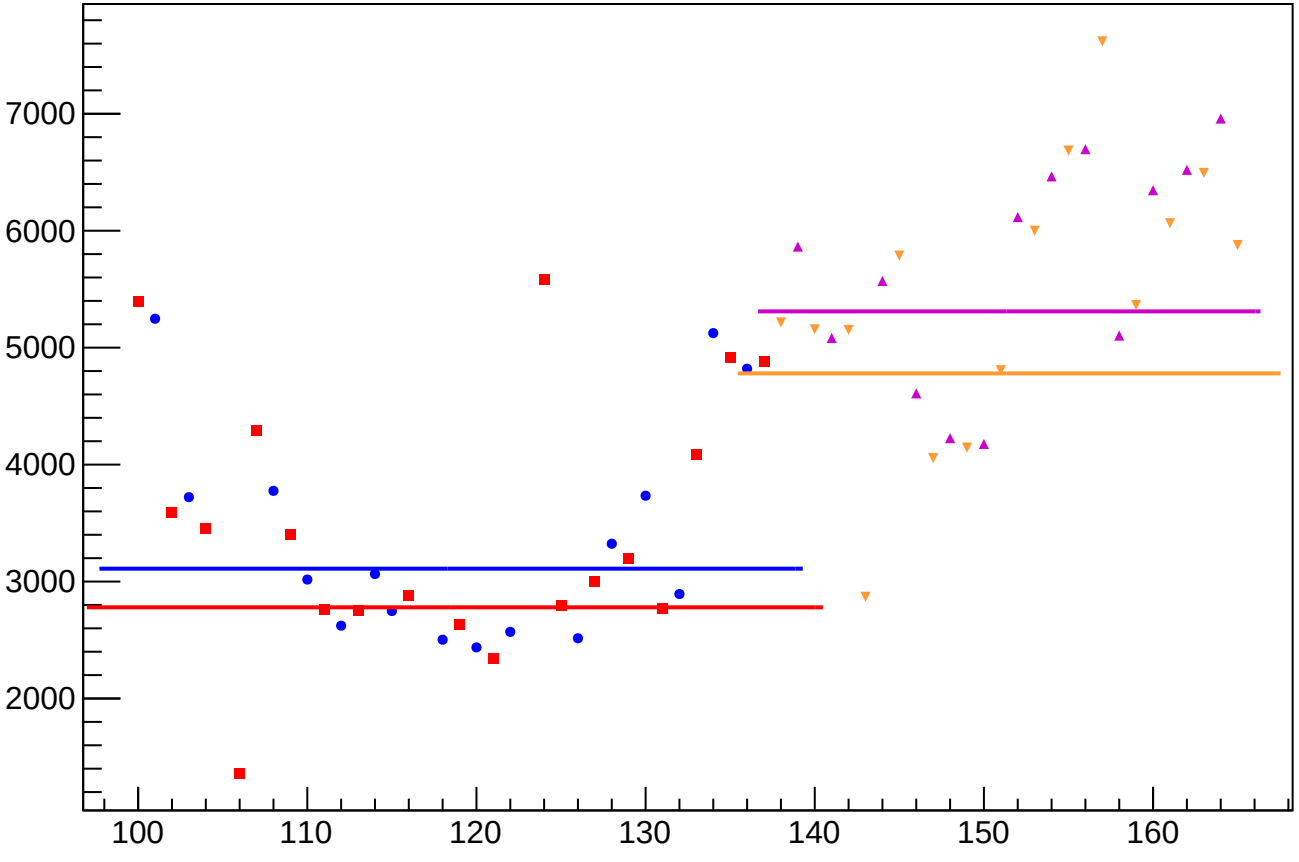
Left In: -1570.123+/-1632.763 χ^2/NDF:7.7/12

+ sign -1077.585+/-923.003 χ^2/NDF: 38.5/30

All: -1018.793+/-642.398 χ^2/NDF: 65.2/62

- sign -963.558+/-894.637 χ^2/NDF: 26.7/31

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4780.234+/-1.023 χ^2/NDF:1566204.9/14

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

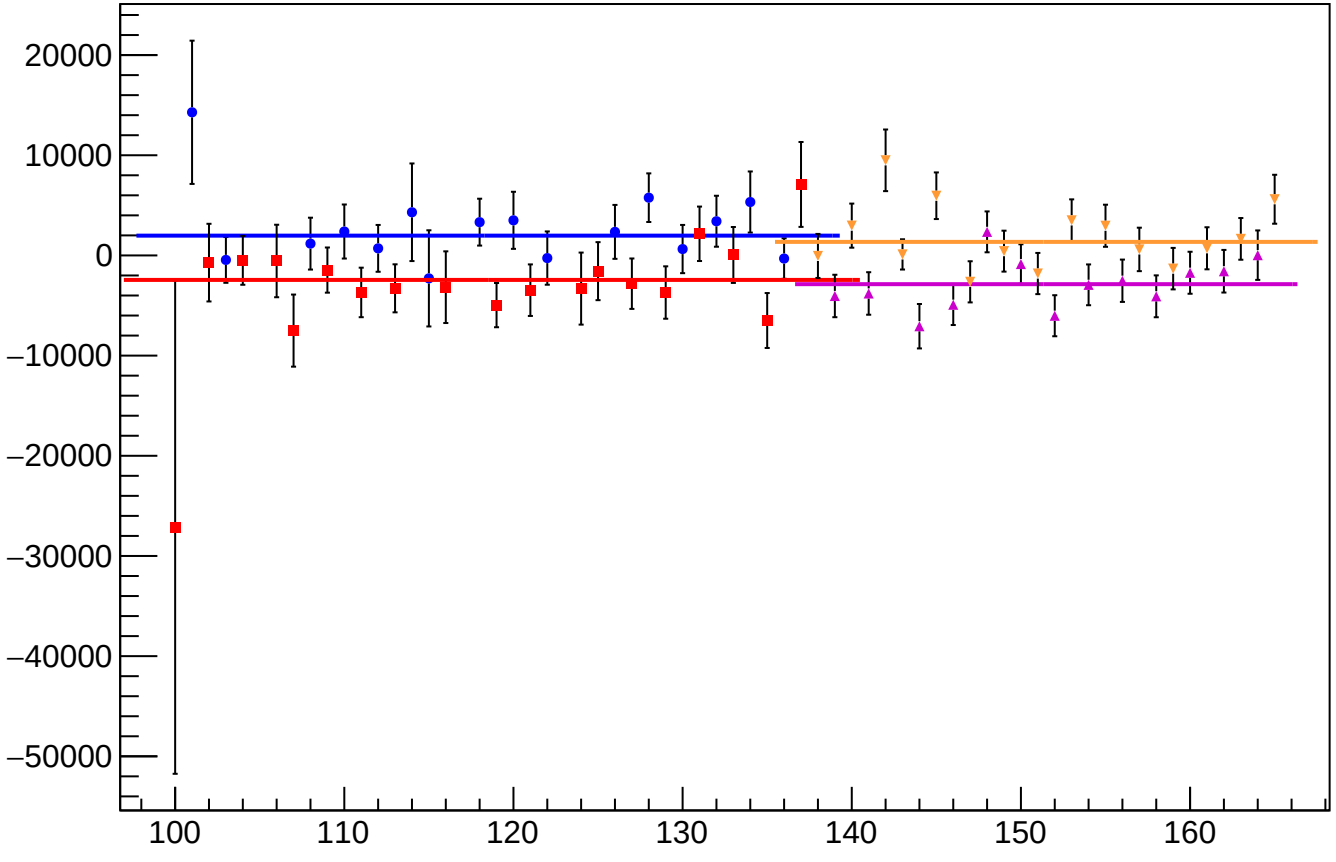
Left In: 5310.374+/-1.155 χ^2/NDF:630611.2/12

+ sign 3789.702+/-0.653 χ^2/NDF: 4029719.1/30

All: 3660.657+/-0.454 χ^2/NDF: 9446607.5/62

- sign 3539.423+/-0.633 χ^2/NDF: 5341067.9/31

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1352.593+/-543.883 χ^2/NDF:25.5/14

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

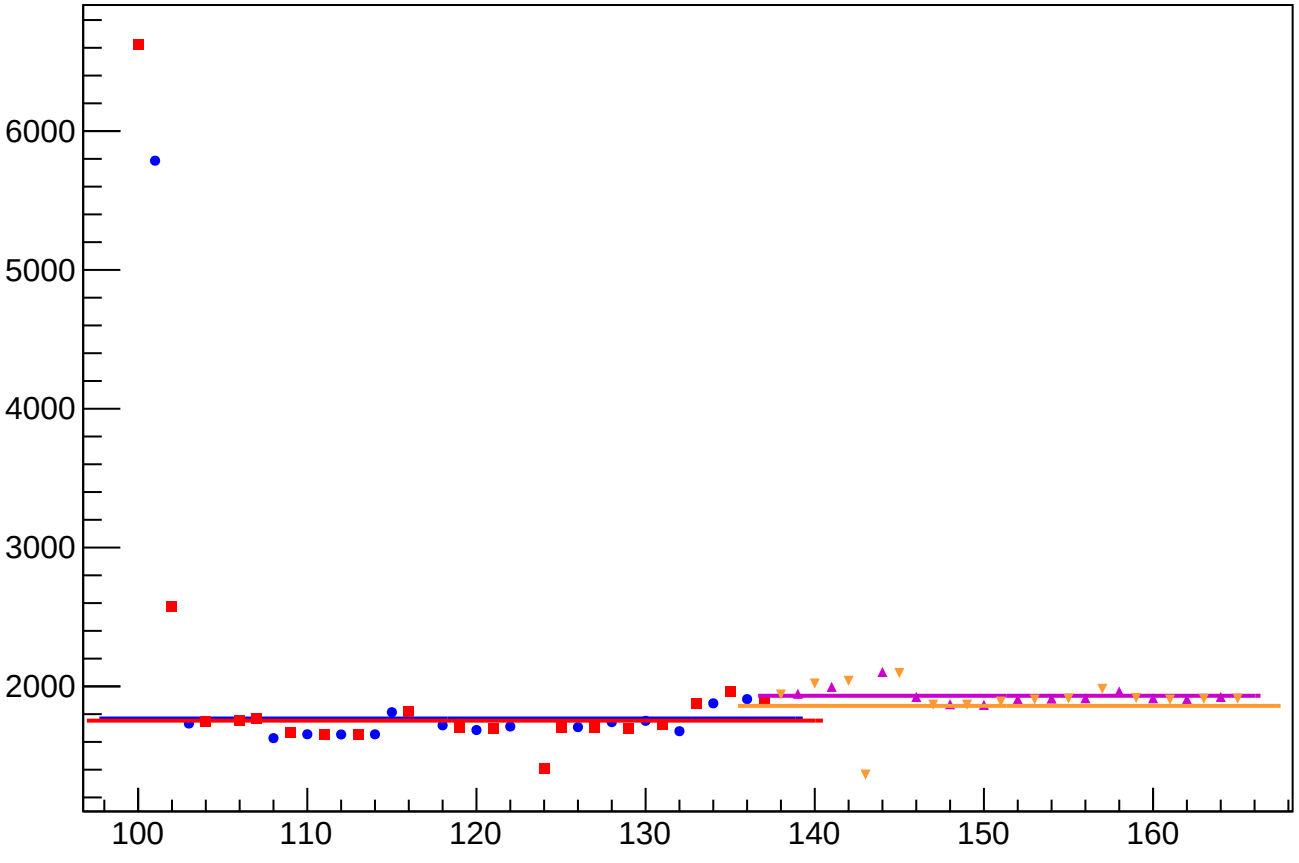
Left In: -2868.157+/-583.721 χ^2/NDF:17.5/12

+ sign 1598.329+/-423.284 χ^2/NDF: 38.4/30

All: -475.398+/-303.896 χ^2/NDF: 123.1/62

- sign -2681.348+/-436.570 χ^2/NDF: 35.2/31

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.593+/-0.385 χ^2/NDF:270050.8/14

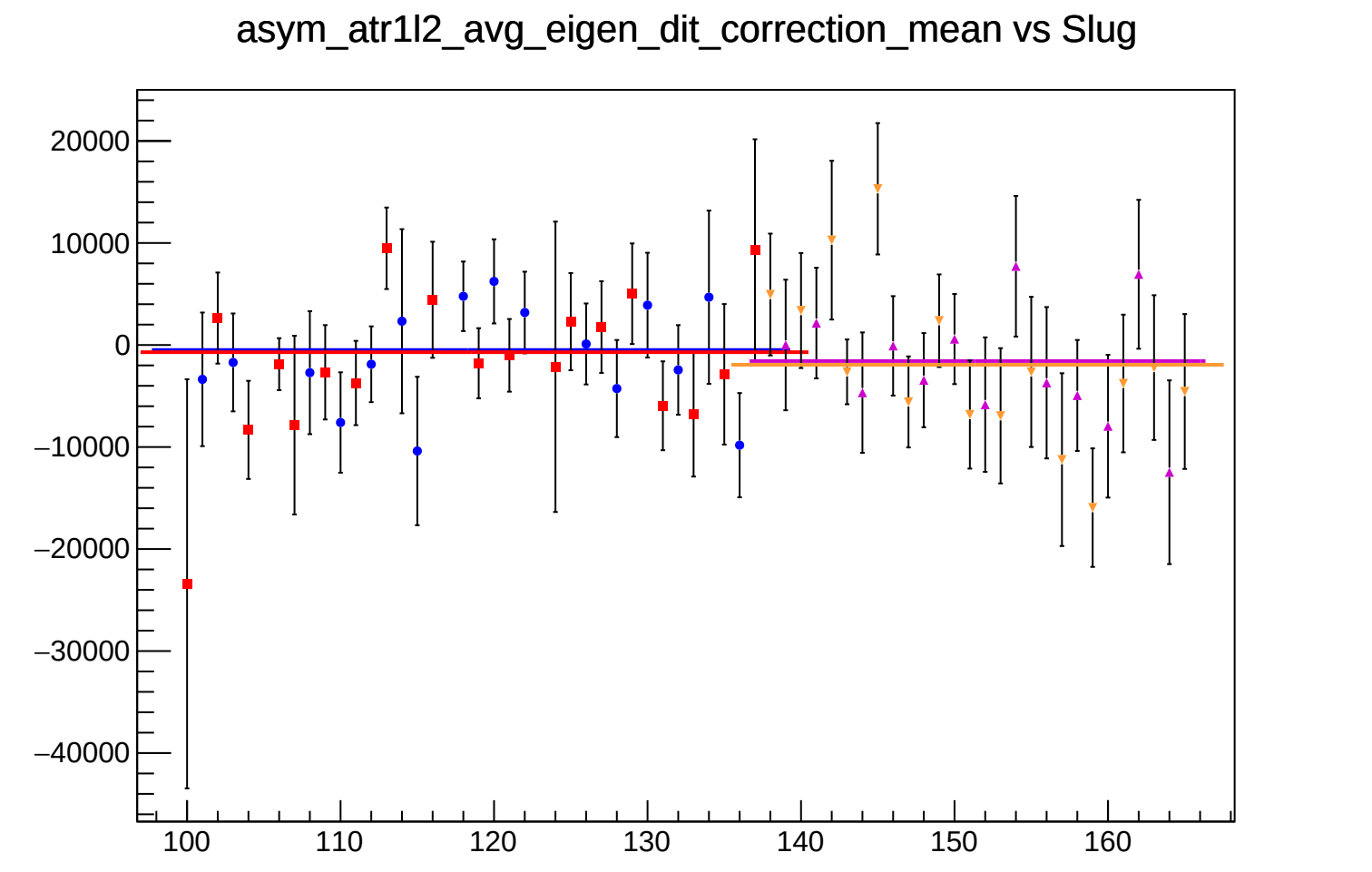
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1932.397+/-0.413 χ^2/NDF:19475.7/12

+ sign 1823.667+/-0.299 χ^2/NDF: 959549.9/30

All: 1838.035+/-0.215 χ^2/NDF: 1285770.7/62

- sign 1853.283+/-0.308 χ^2/NDF: 321470.9/31



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1936.813+/-1446.965 χ^2/NDF:22.1/14

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

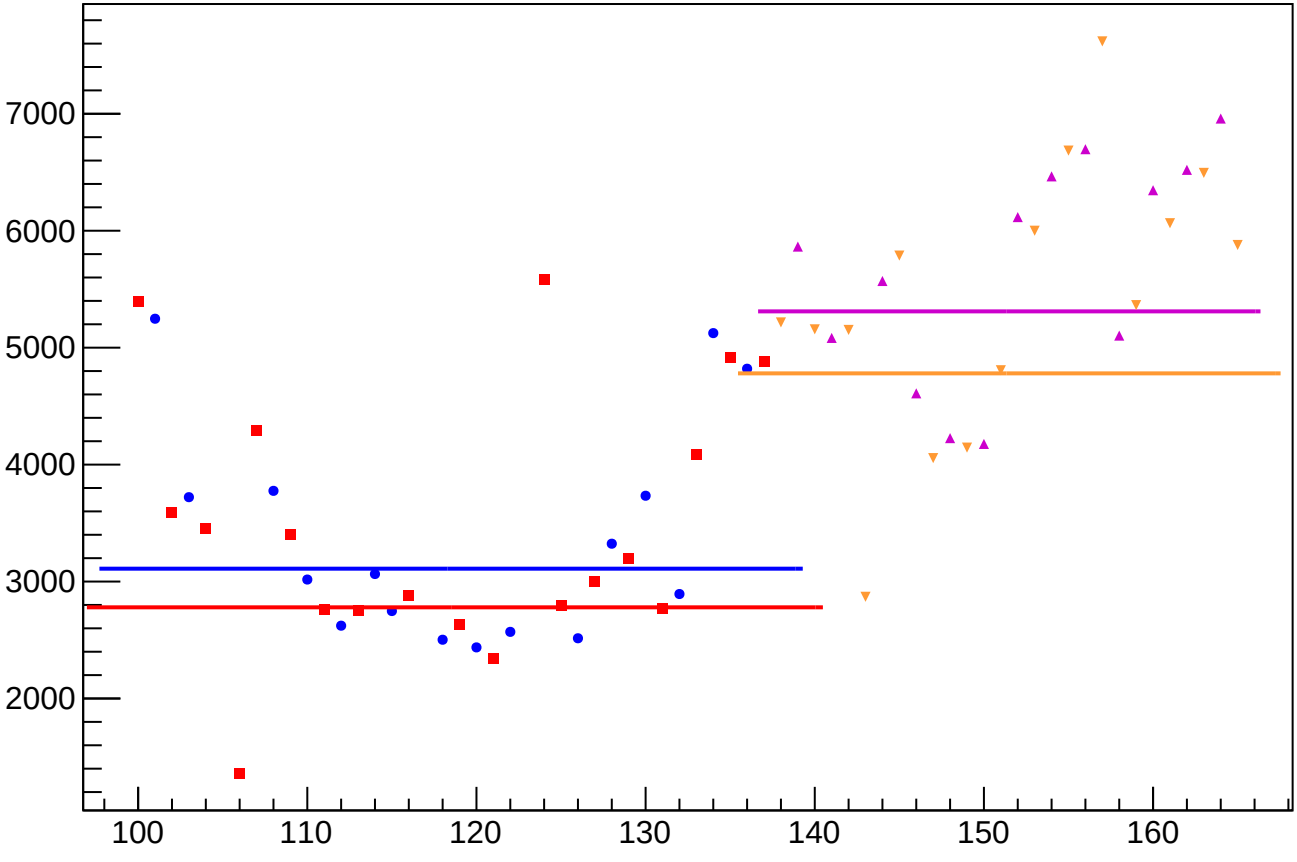
Left In: -1570.123+/-1632.765 χ^2/NDF:7.7/12

+ sign -1077.581+/-923.001 χ^2/NDF: 38.5/30

All: -1018.790+/-642.397 χ^2/NDF: 65.2/62

- sign -963.558+/-894.634 χ^2/NDF: 26.7/31

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4780.238+/-1.023 χ^2/NDF:1566212.7/14

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

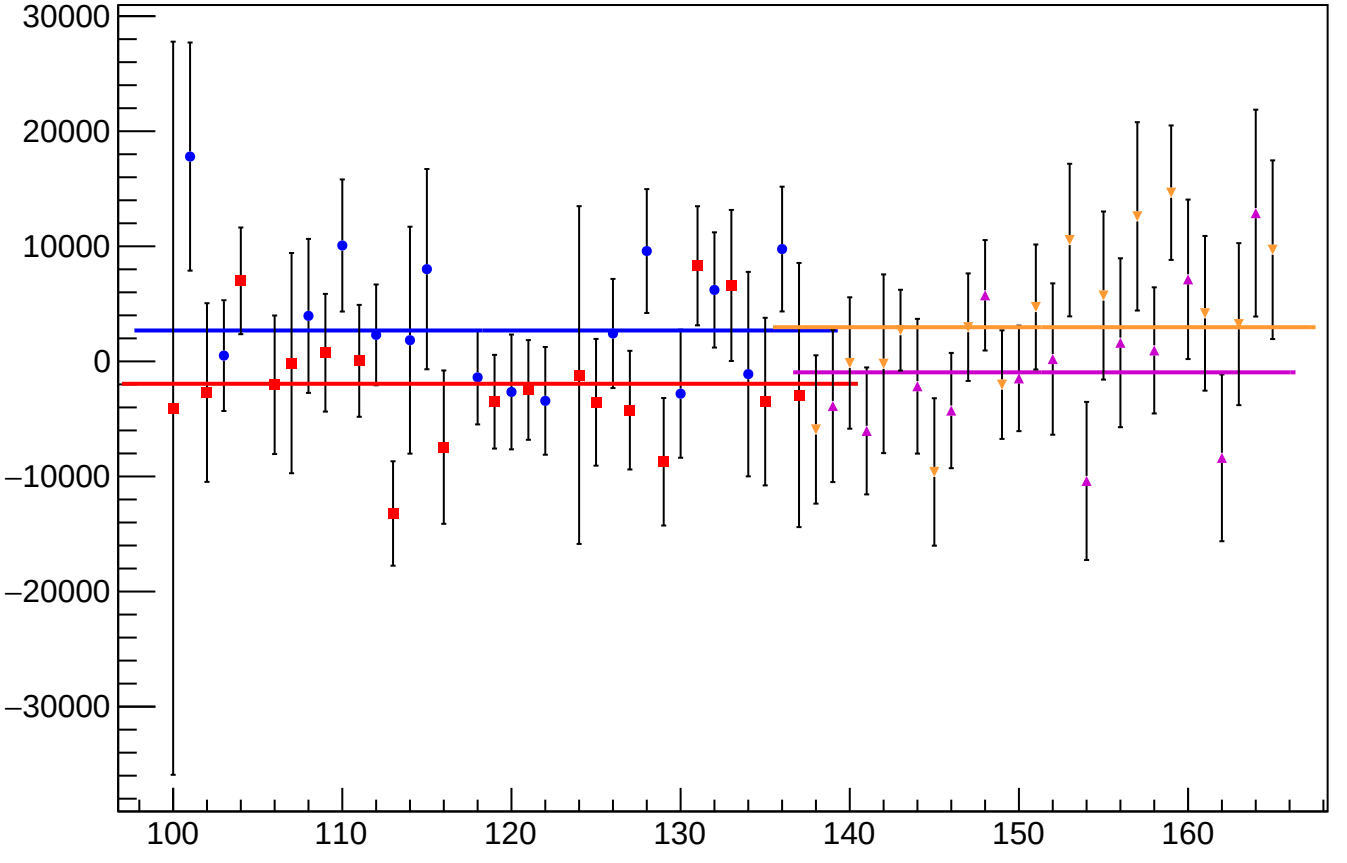
Left In: 5310.380+/-1.155 χ^2/NDF:630614.9/12

+ sign 3789.693+/-0.653 χ^2/NDF: 4029768.0/30

All: 3660.647+/-0.454 χ^2/NDF: 9446734.0/62

- sign 3539.410+/-0.633 χ^2/NDF: 5341142.6/31

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2970.129+/-1497.279 χ^2/NDF:15.1/14

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

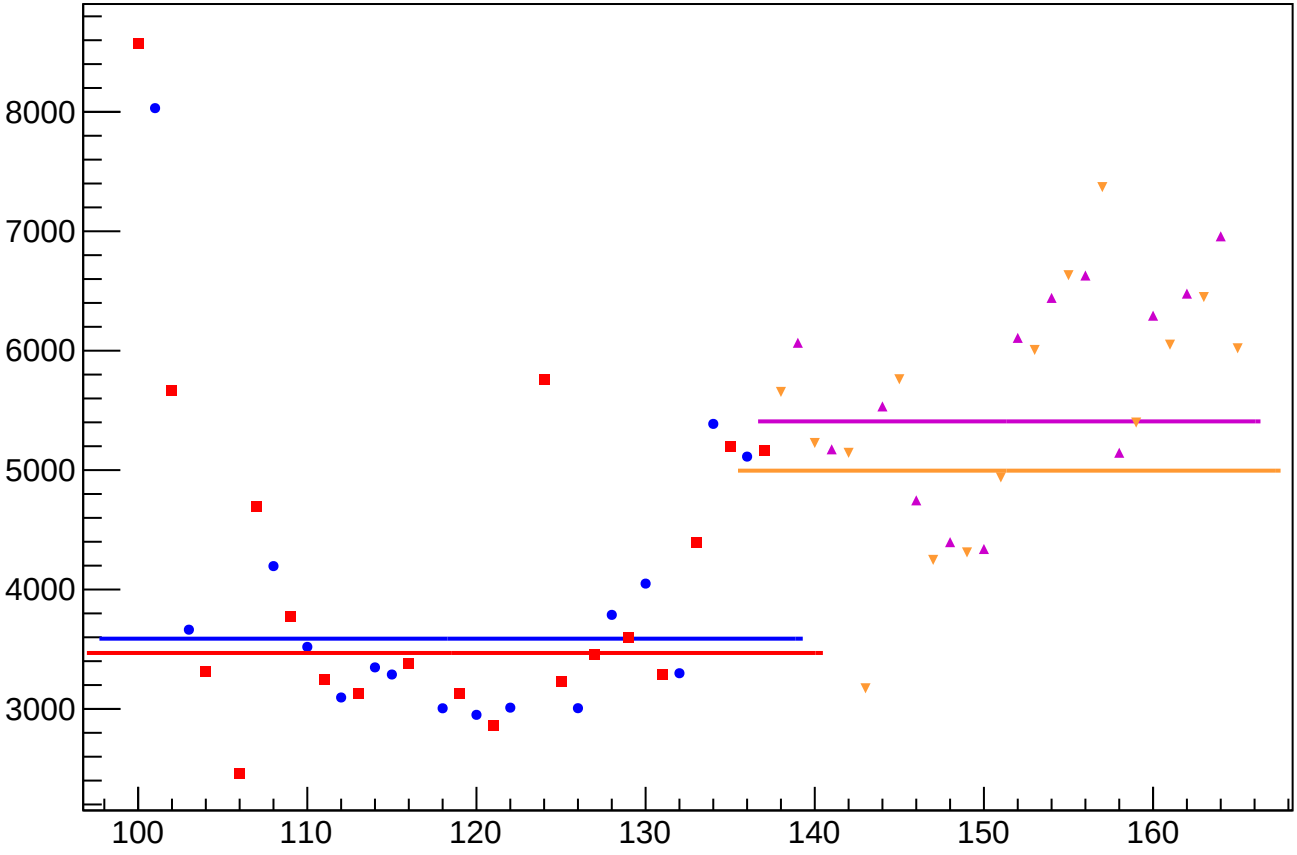
Left In: -951.430+/-1657.088 χ^2/NDF:10.4/12

+ sign 2816.176+/-1014.702 χ^2/NDF: 28.6/30

All: 681.518+/-725.820 χ^2/NDF: 67.0/62

- sign -1555.076+/-1038.647 χ^2/NDF: 29.3/31

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4995.461+/-1.059 χ^2/NDF:1179941.4/14

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

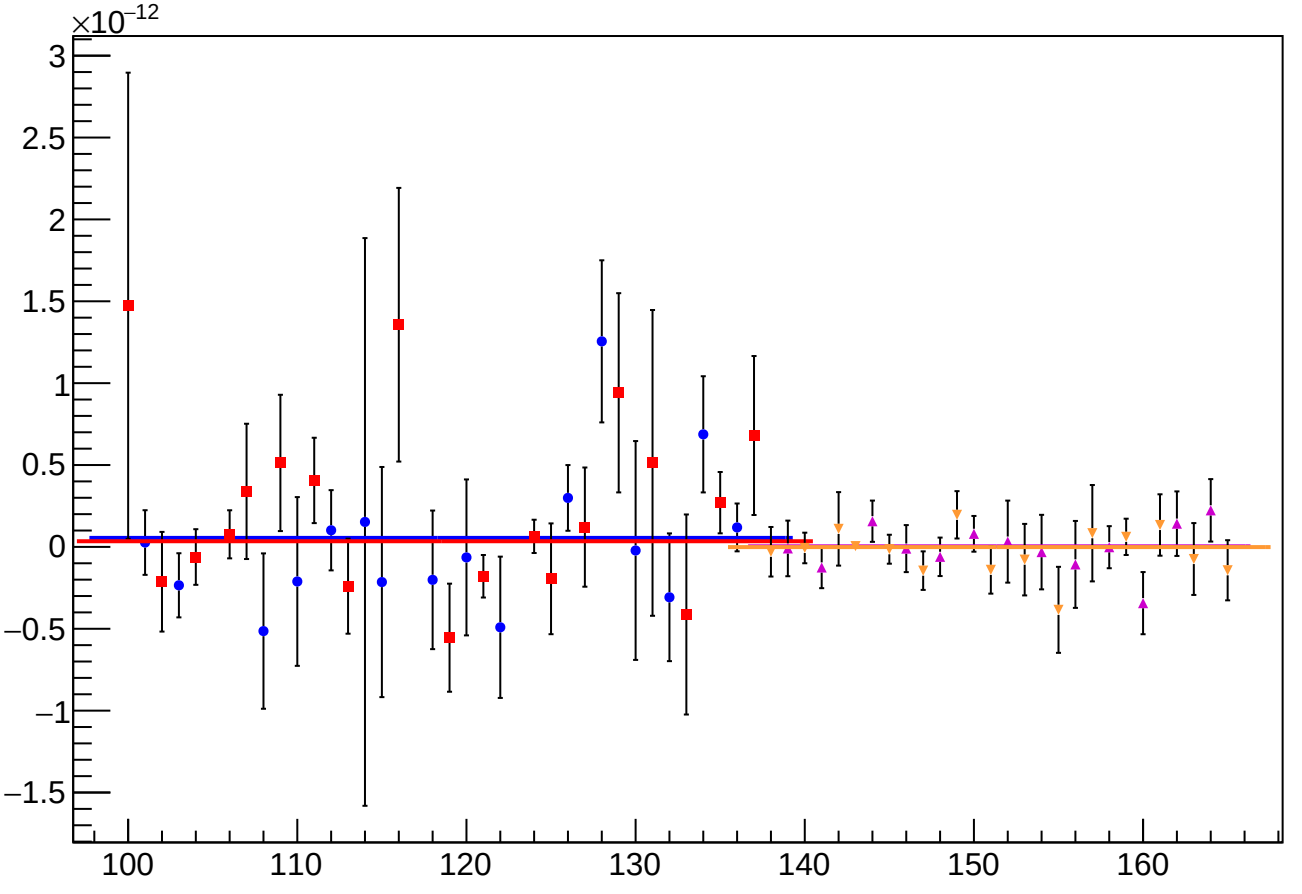
Left In: 5407.961+/-1.172 χ^2/NDF:520304.3/12

+ sign 4234.641+/-0.718 χ^2/NDF: 2980174.1/30

All: 4225.655+/-0.511 χ^2/NDF: 5850412.3/62

- sign 4216.414+/-0.728 χ^2/NDF: 2869920.0/31

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:8.5/14

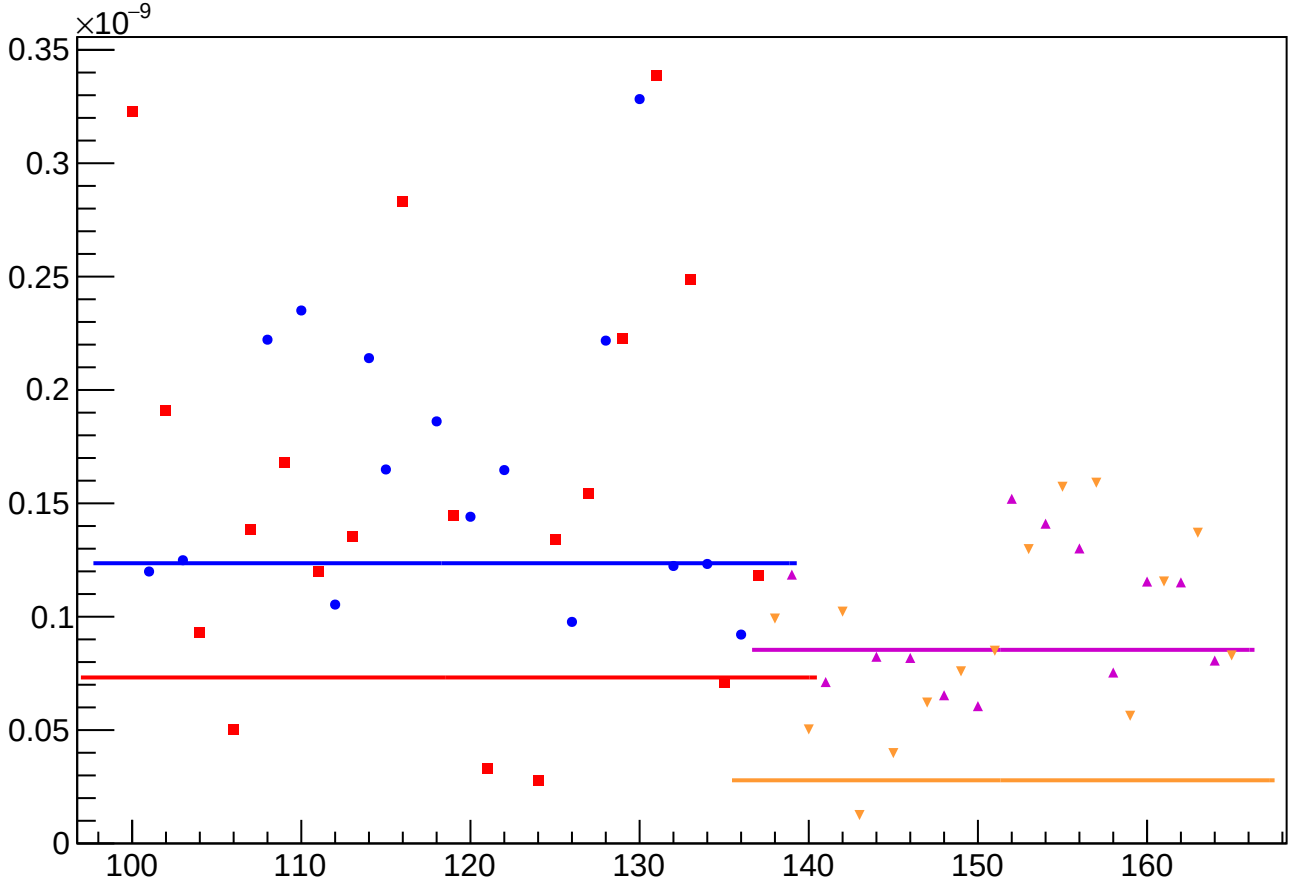
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 26.8/30

All: 0.000+/-0.000 χ^2/NDF: 58.1/62

- sign 0.000+/-0.000 χ^2/NDF: 31.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5012255.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

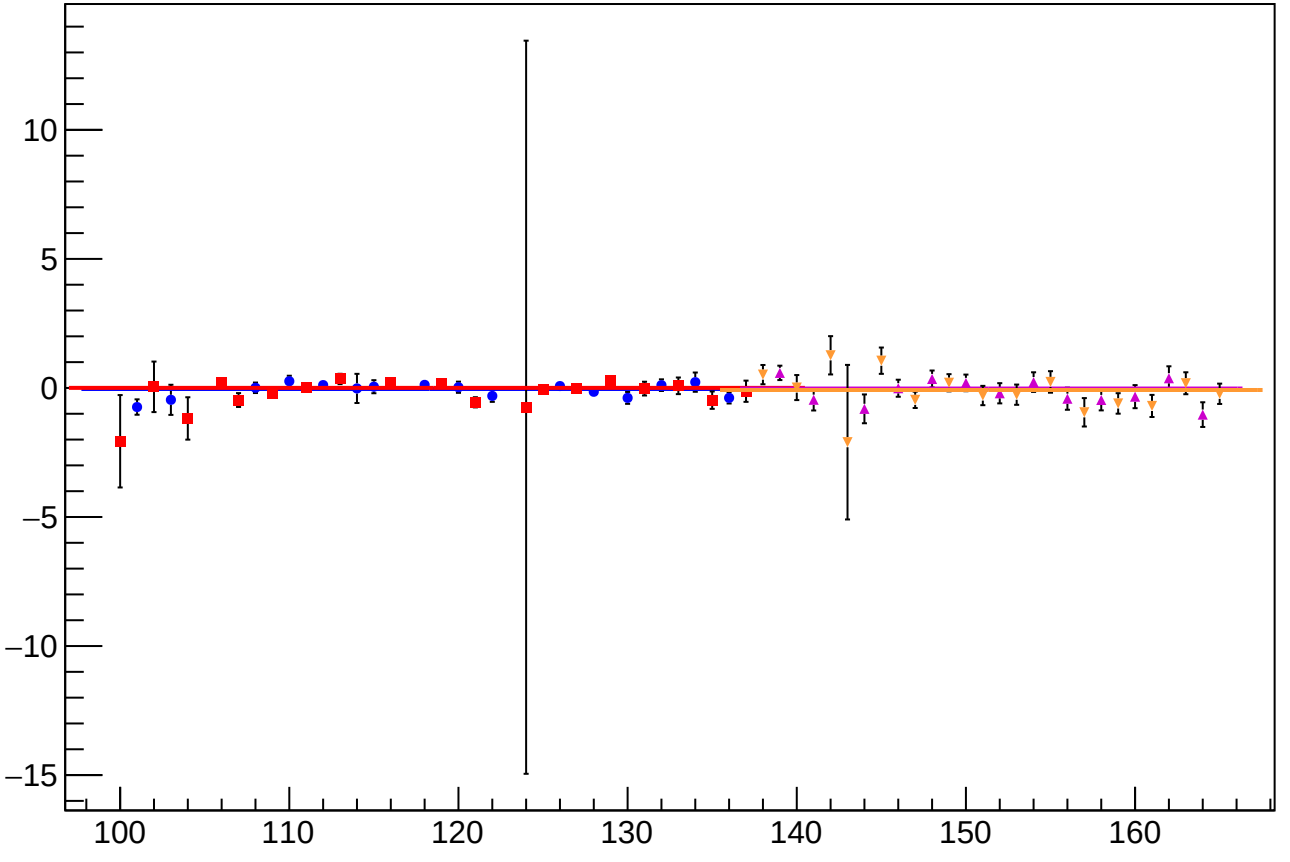
Left In: 0.000+/-0.000 χ^2/NDF:692655.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 8875838.1/30

All: 0.000+/-0.000 χ^2/NDF: 14807721.6/62

- sign 0.000+/-0.000 χ^2/NDF: 2945622.9/31

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

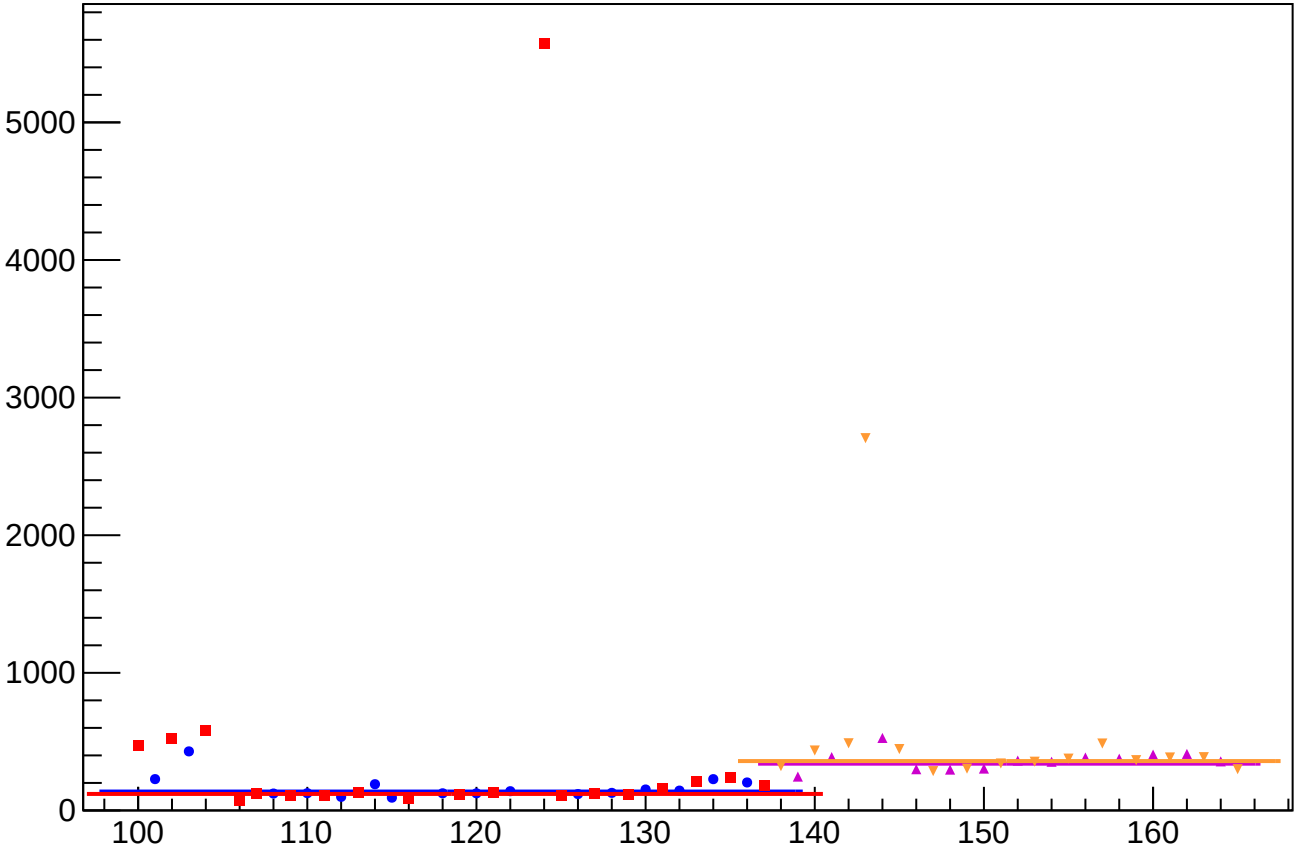
Left In: -0.023+/-0.106 χ^2/NDF:17.9/12

+ sign -0.048+/-0.050 χ^2/NDF: 39.4/30

All: -0.023+/-0.034 χ^2/NDF: 86.5/62

- sign -0.002+/-0.046 χ^2/NDF: 46.7/31

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 358.823+/-0.078 χ^2/NDF:1755591.9/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

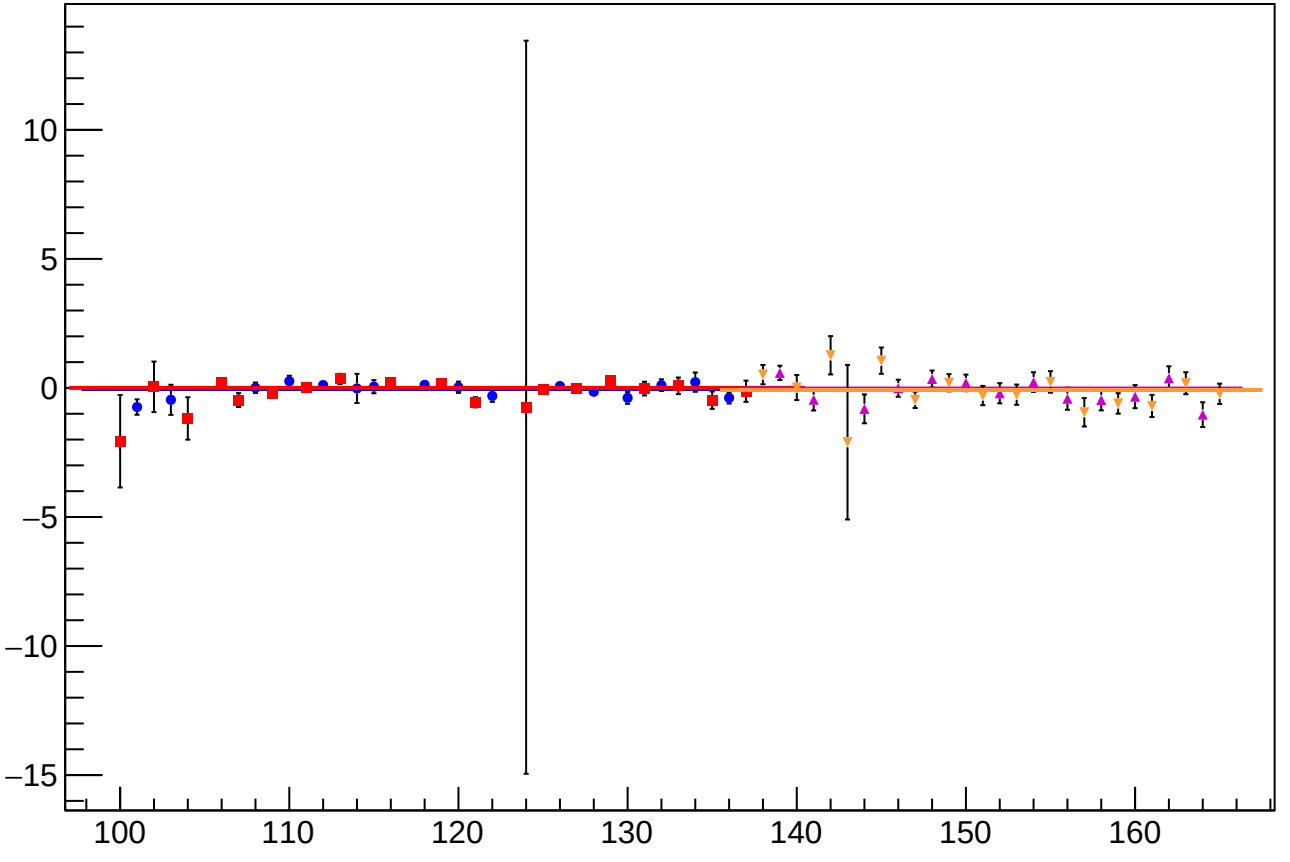
Left In: 339.990+/-0.075 χ^2/NDF:706920.3/12

+ sign 182.765+/-0.035 χ^2/NDF: 9471389.4/30

All: 171.149+/-0.024 χ^2/NDF: 19519903.3/62

- sign 161.269+/-0.032 χ^2/NDF: 9846932.8/31

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: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

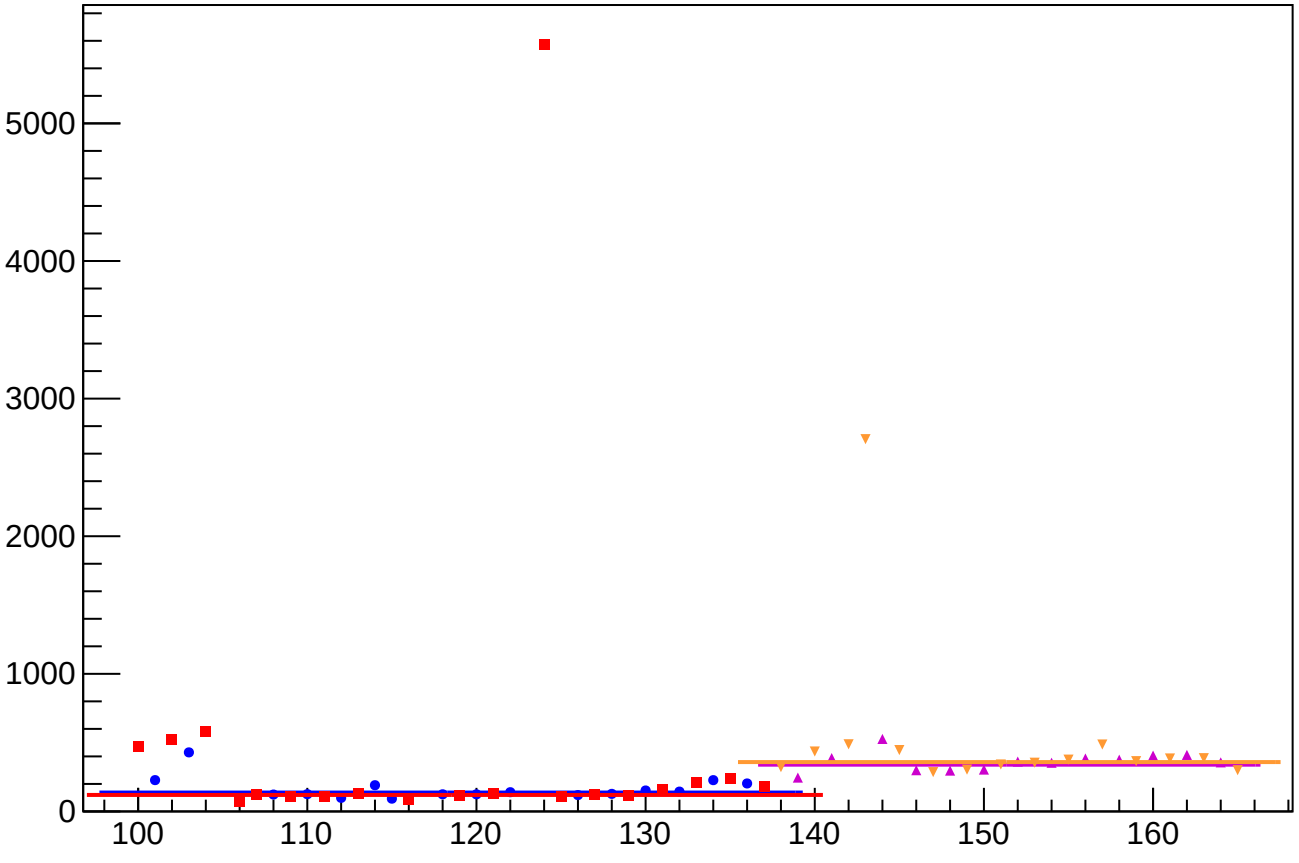
Left In: -0.023+/-0.106 χ^2/NDF:17.9/12

+ sign -0.048+/-0.050 χ^2/NDF: 39.4/30

All: -0.023+/-0.034 χ^2/NDF: 86.5/62

- sign -0.002+/-0.046 χ^2/NDF: 46.7/31

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: 358.823+/-0.078 χ^2/NDF:1755591.9/14

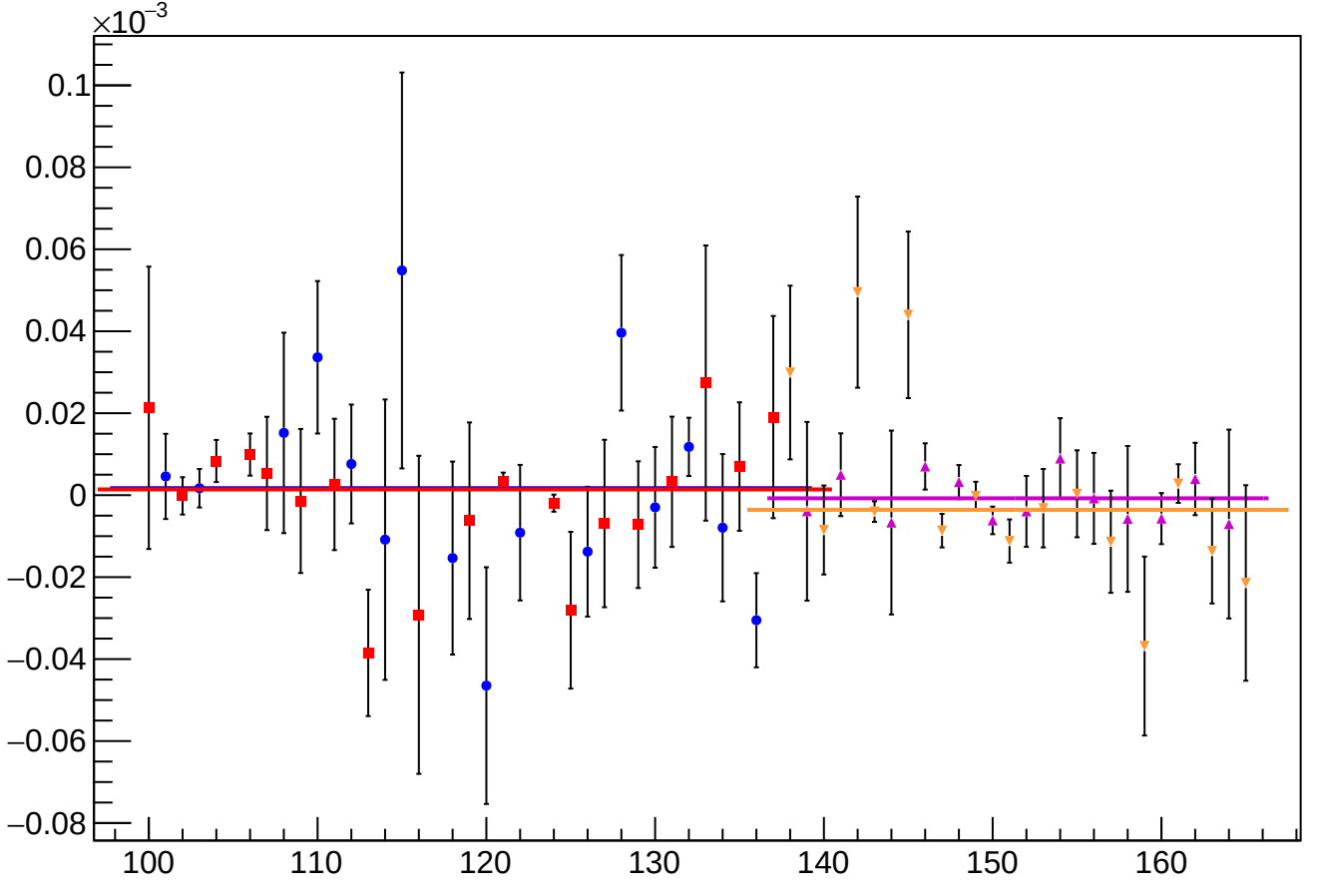
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 339.990+/-0.075 χ^2/NDF:706920.3/12

+ sign 182.765+/-0.035 χ^2/NDF: 9471389.4/30

All: 171.149+/-0.024 χ^2/NDF: 19519903.3/62

- sign 161.269+/-0.032 χ^2/NDF: 9846932.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/14

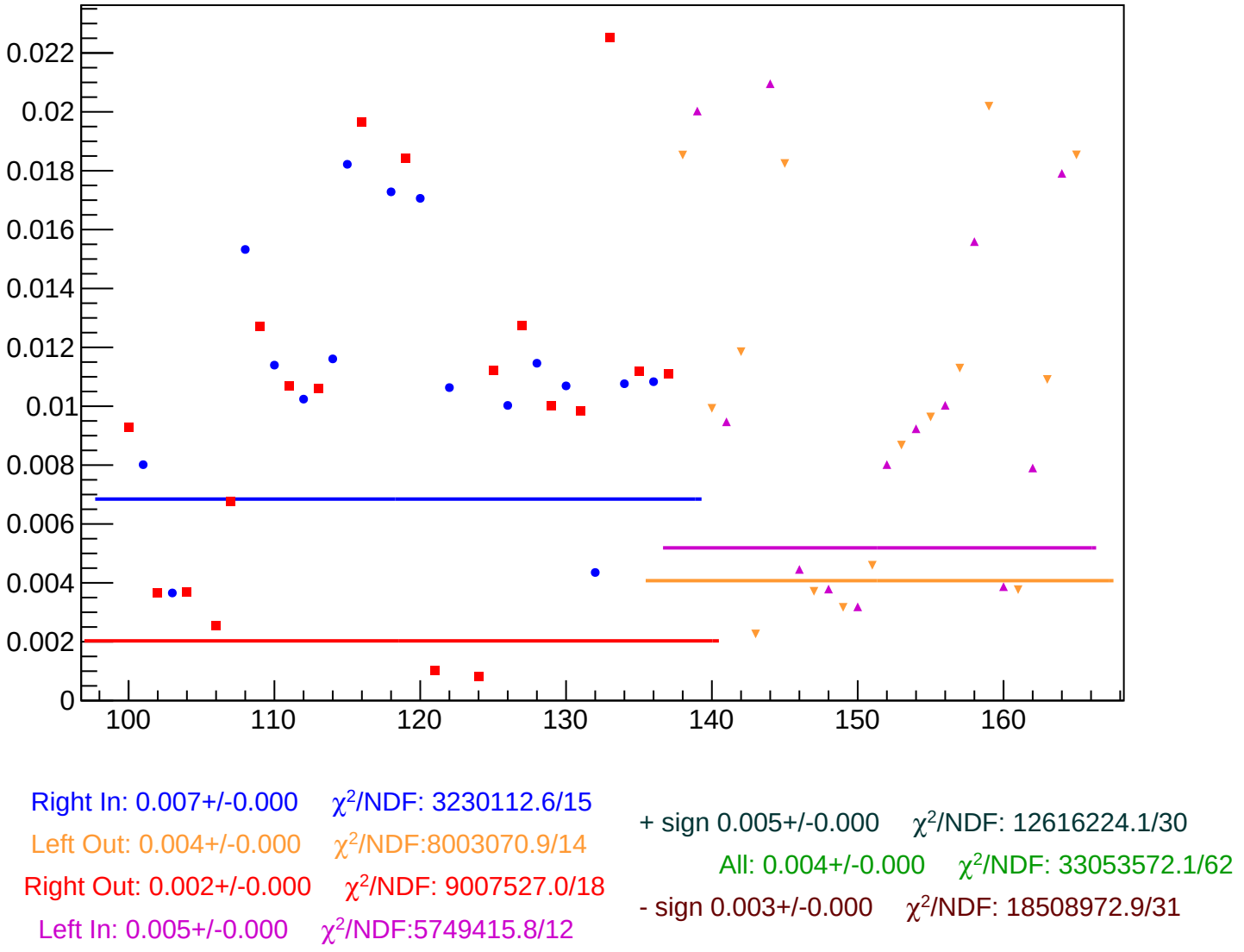
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/12

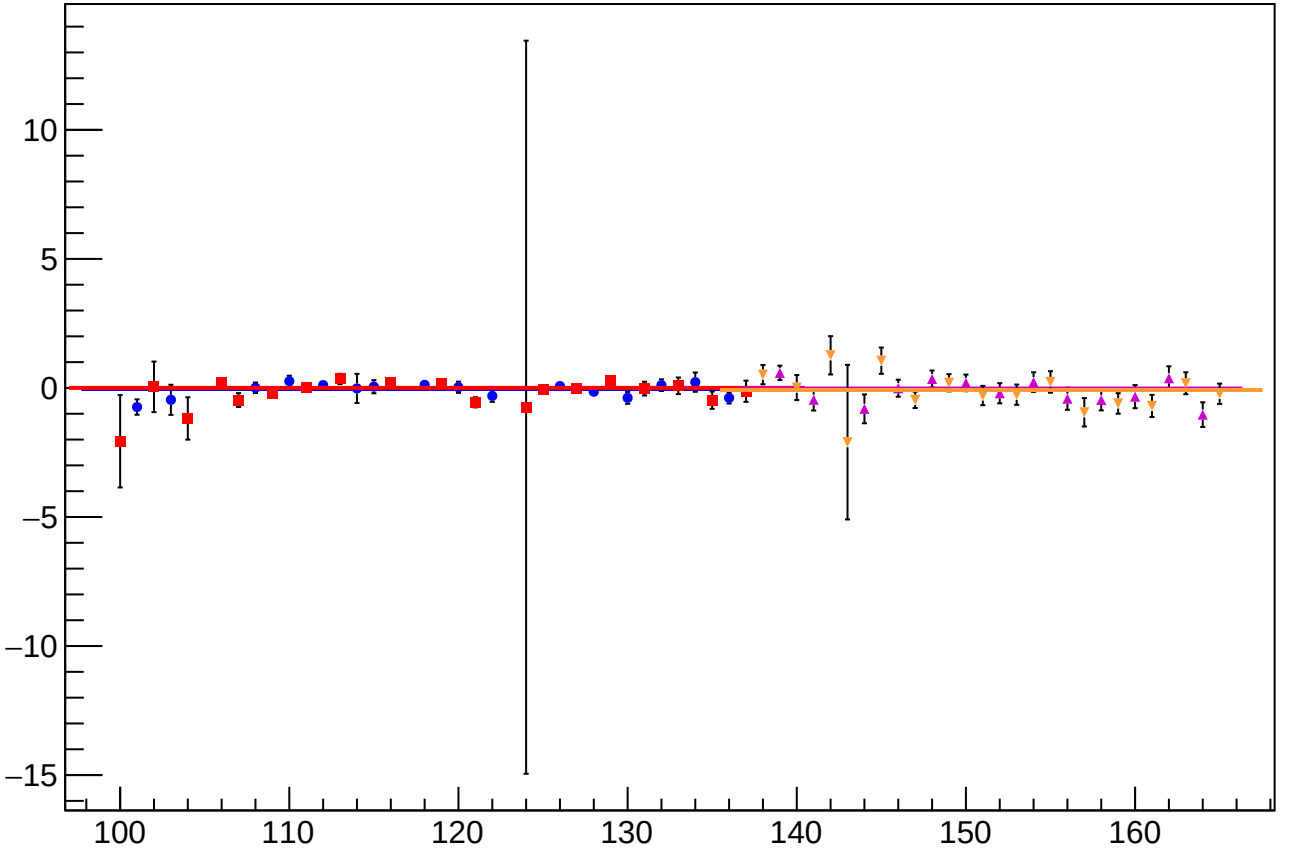
+ sign -0.000+/-0.000 χ^2/NDF: 50.2/30

All: -0.000+/-0.000 χ^2/NDF: 82.9/62

- sign 0.000+/-0.000 χ^2/NDF: 29.1/31


asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 3230112.6/15
Left Out: 0.004+/-0.000 χ²/NDF:8003070.9/14
Right Out: 0.002+/-0.000 χ²/NDF: 9007527.0/18
Left In: 0.005+/-0.000 χ²/NDF:5749415.8/12
+ sign 0.005+/-0.000 χ²/NDF: 12616224.1/30
All: 0.004+/-0.000 χ²/NDF: 33053572.1/62
- sign 0.003+/-0.000 χ²/NDF: 18508972.9/31

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: -0.079+/-0.110 χ^2/NDF:21.3/14

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

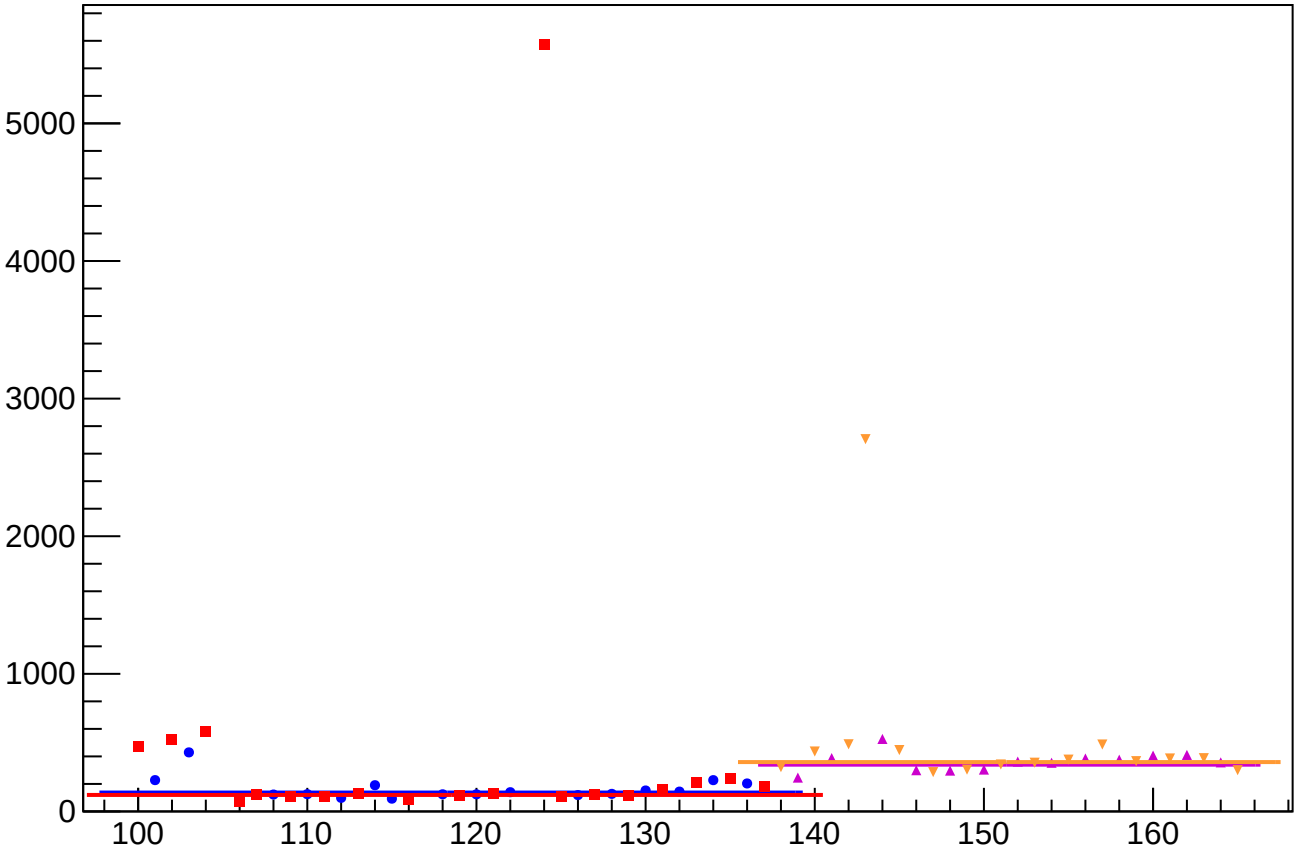
Left In: -0.023+/-0.106 χ^2/NDF:17.9/12

+ sign -0.048+/-0.050 χ^2/NDF: 39.4/30

All: -0.023+/-0.034 χ^2/NDF: 86.5/62

- sign -0.002+/-0.046 χ^2/NDF: 46.7/31

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: 358.827+/-0.078 χ^2/NDF:1755618.8/14

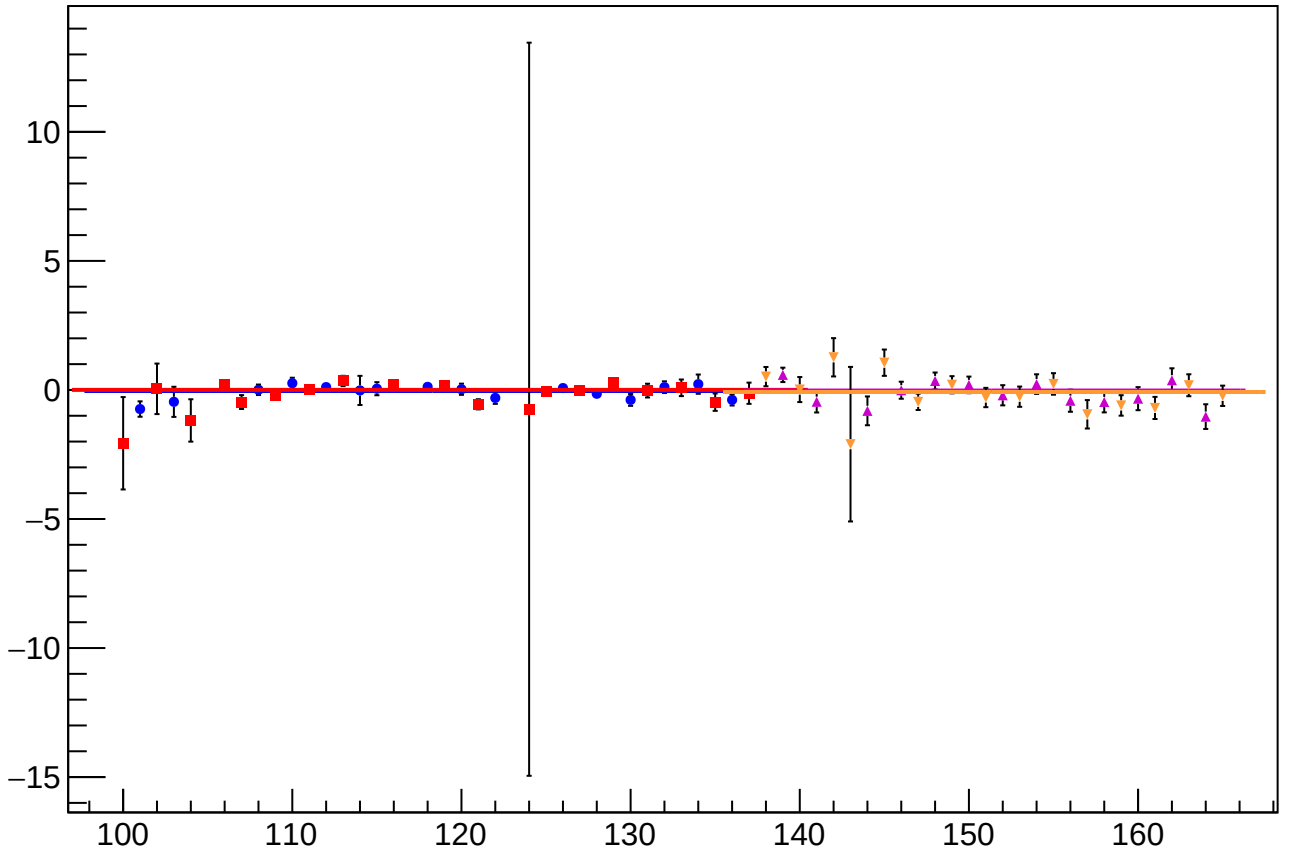
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 339.995+/-0.075 χ^2/NDF:706915.7/12

+ sign 182.767+/-0.035 χ^2/NDF: 9471422.6/30

All: 171.149+/-0.024 χ^2/NDF: 19520034.8/62

- sign 161.269+/-0.032 χ^2/NDF: 9847009.8/31



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.079+/-0.110 χ^2/NDF:21.3/14

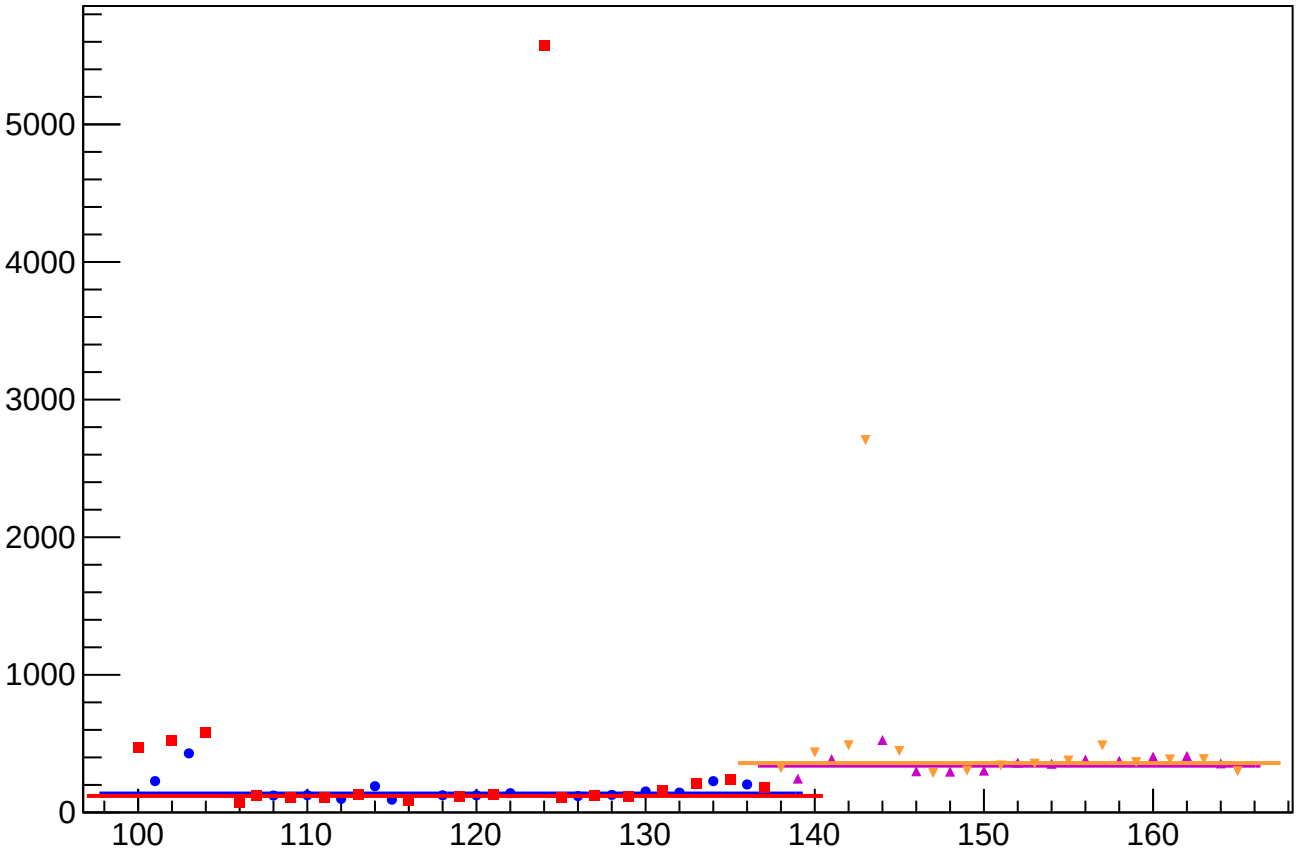
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.023+/-0.106 χ^2/NDF:17.9/12

+ sign -0.048+/-0.050 χ^2/NDF: 39.4/30

All: -0.023+/-0.034 χ^2/NDF: 86.5/62

- sign -0.002+/-0.046 χ^2/NDF: 46.7/31



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 358.827+/-0.078 χ^2/NDF:1755618.8/14

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

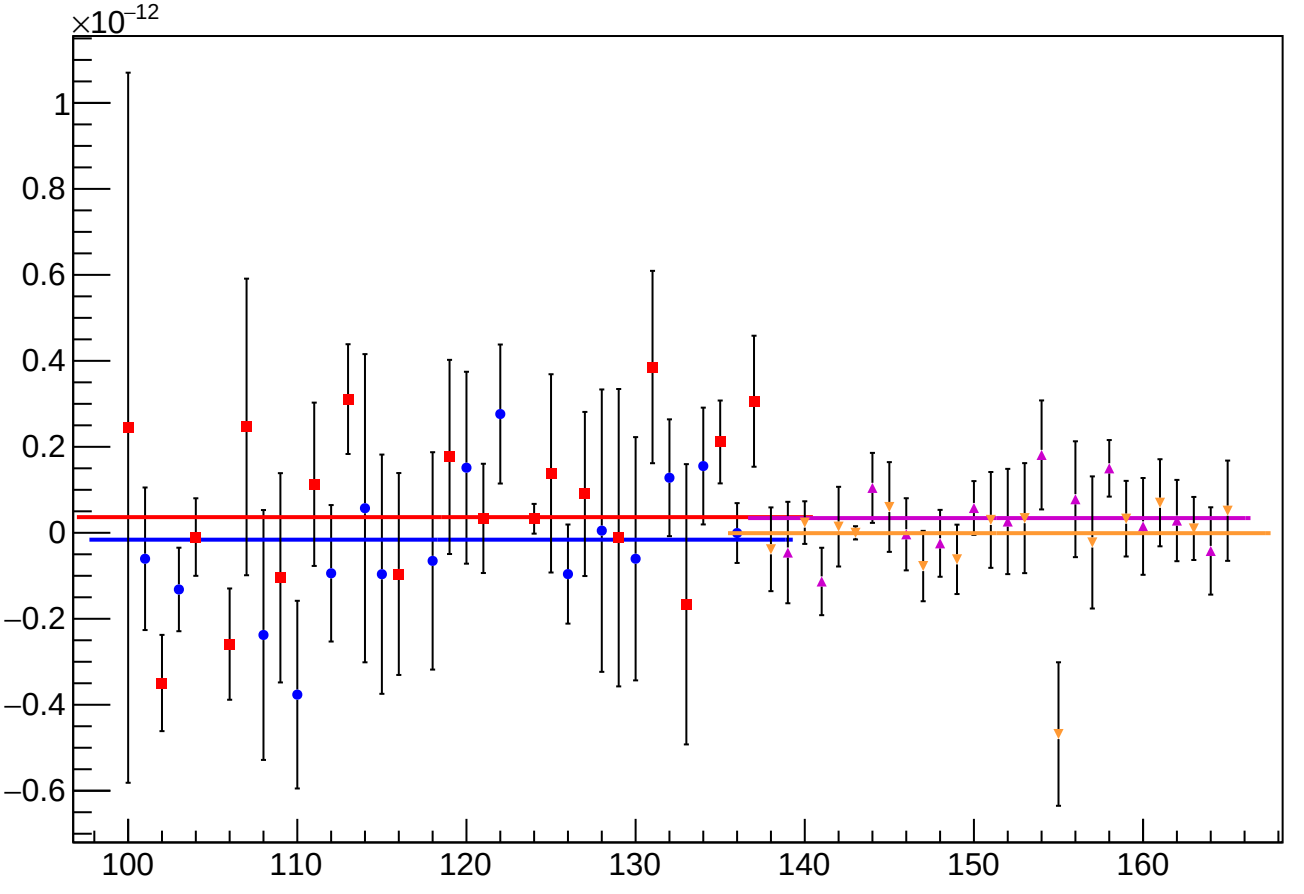
Left In: 339.995+/-0.075 χ^2/NDF:706915.7/12

+ sign 182.767+/-0.035 χ^2/NDF: 9471422.6/30

All: 171.149+/-0.024 χ^2/NDF: 19520034.8/62

- sign 161.269+/-0.032 χ^2/NDF: 9847009.8/31

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:11.1/14

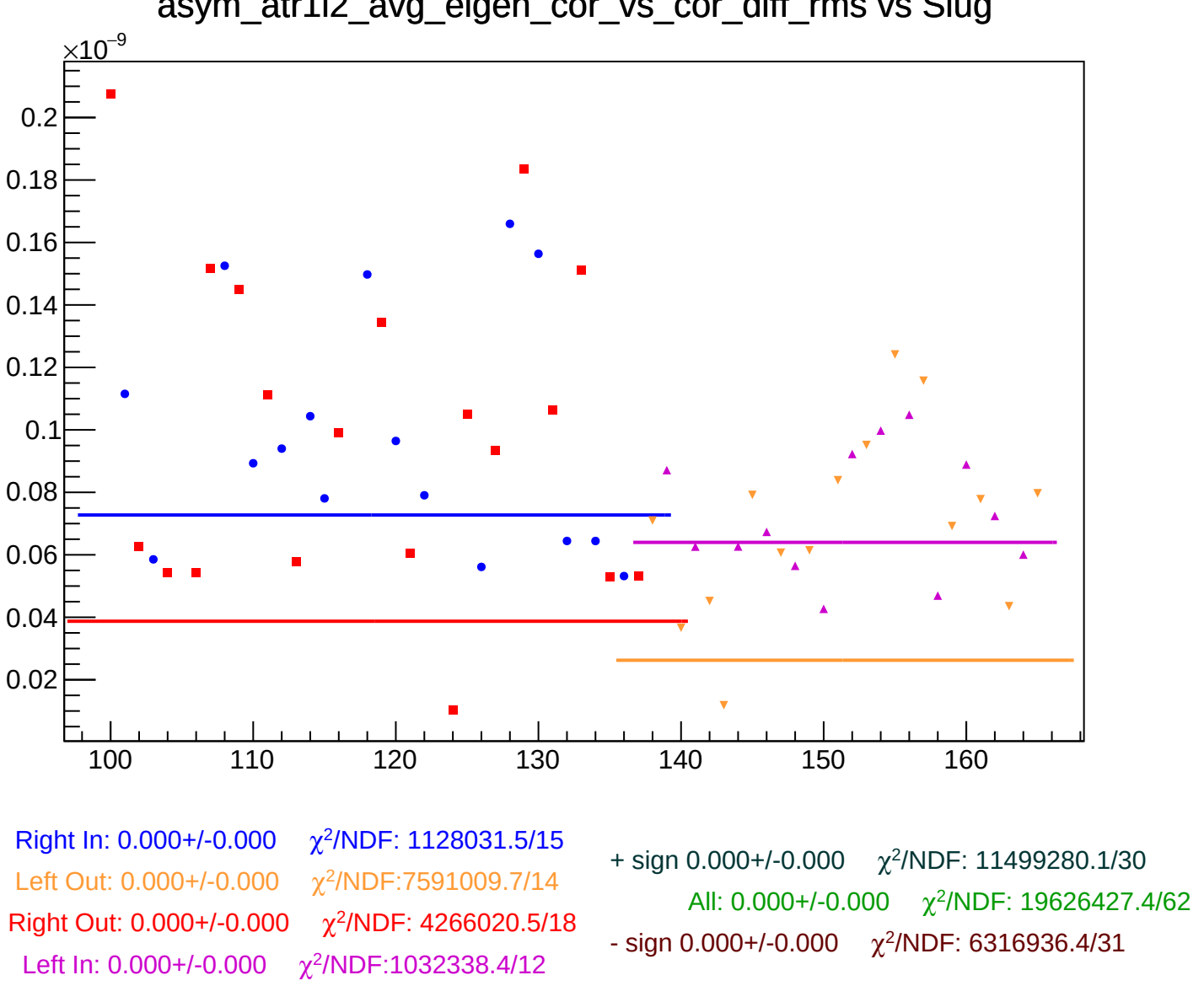
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/12

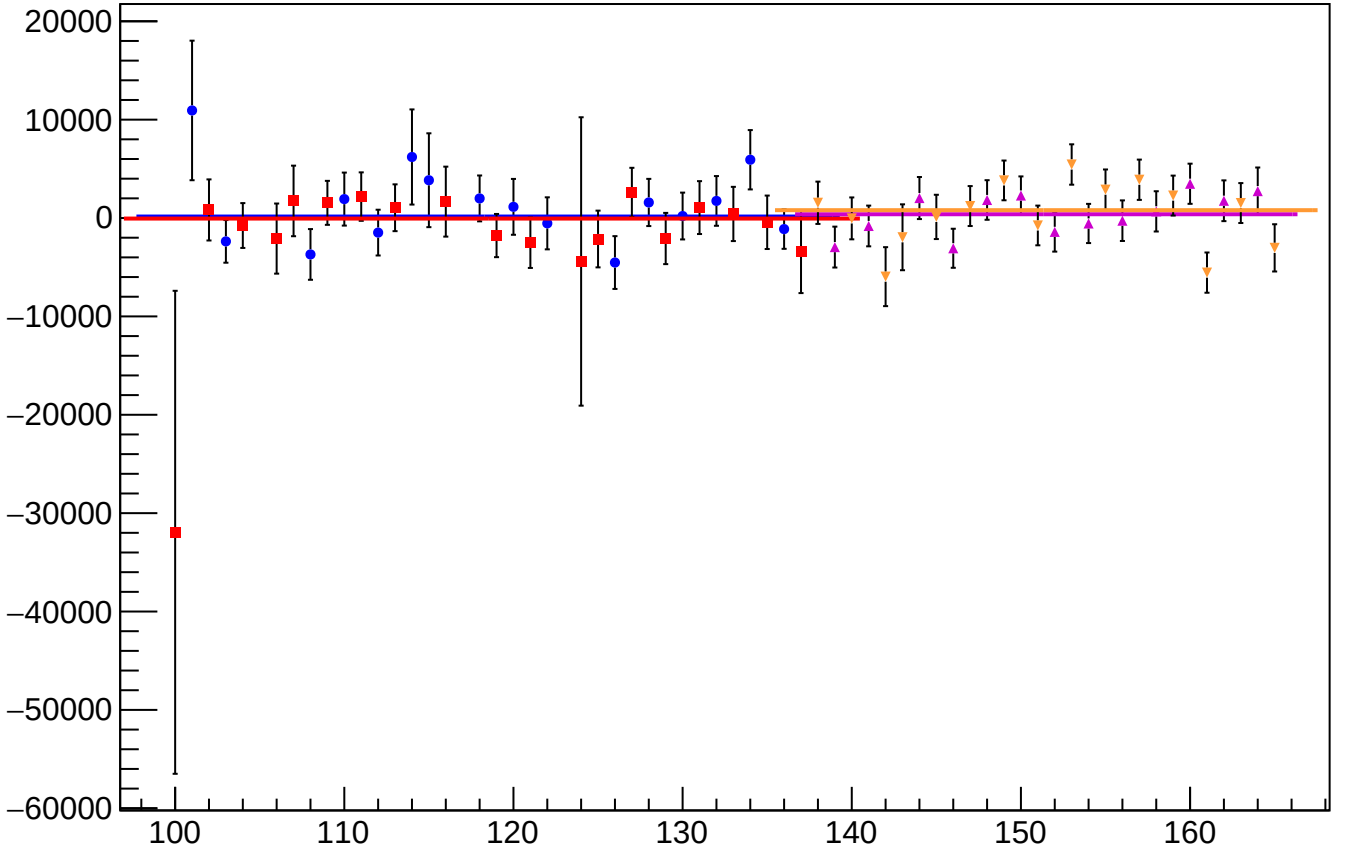
+ sign -0.000+/-0.000 χ^2/NDF: 23.5/30

All: 0.000+/-0.000 χ^2/NDF: 70.6/62

- sign 0.000+/-0.000 χ^2/NDF: 44.0/31


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:7591009.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:1032338.4/12
+ sign 0.000+/-0.000 χ²/NDF: 11499280.1/30
All: 0.000+/-0.000 χ²/NDF: 19626427.4/62
- sign 0.000+/-0.000 χ²/NDF: 6316936.4/31

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 797.280+/-560.815 χ^2/NDF:30.3/14

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

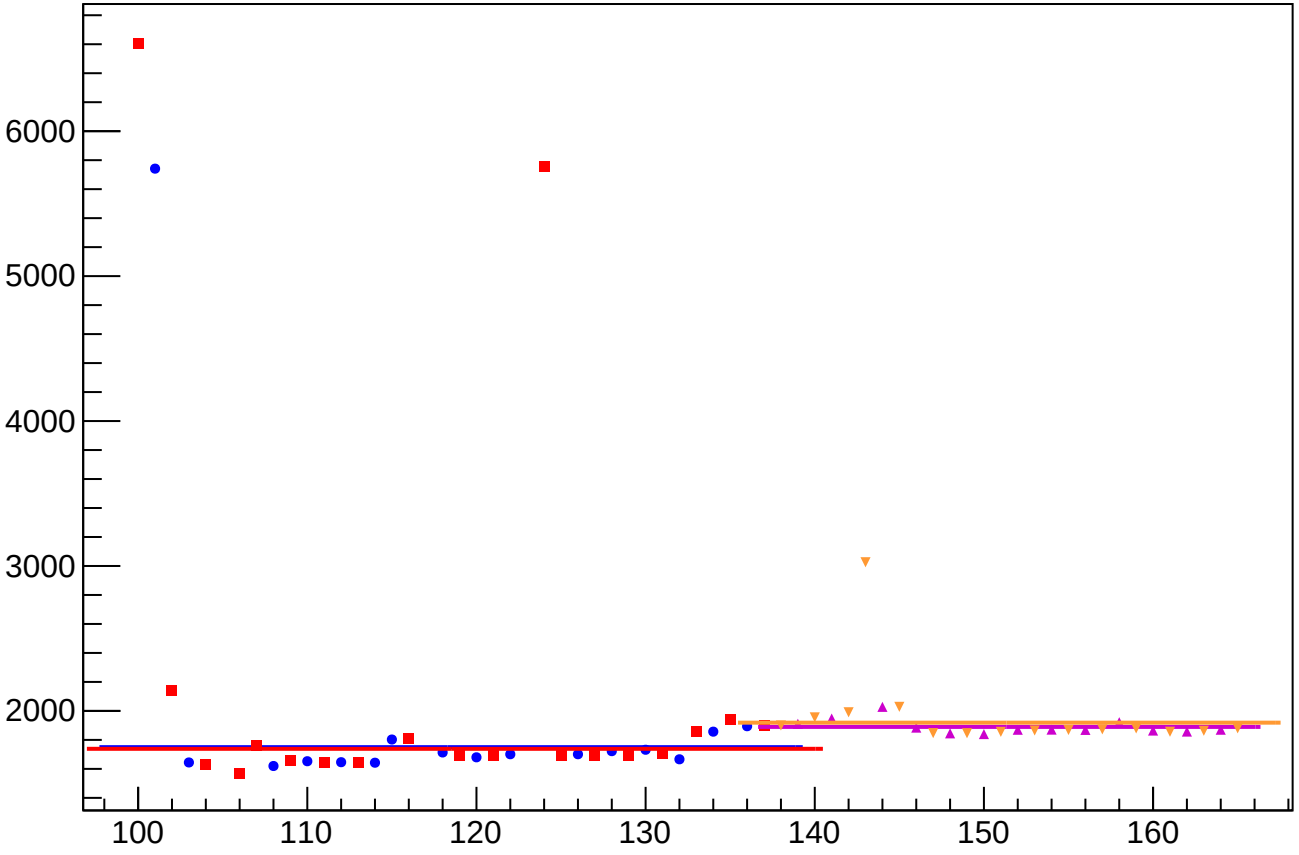
Left In: 385.256+/-570.707 χ^2/NDF:12.9/12

+ sign 529.516+/-429.257 χ^2/NDF: 48.5/30

All: 363.055+/-303.921 χ^2/NDF: 70.9/62

- sign 195.735+/-430.362 χ^2/NDF: 22.1/31

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1918.984+/-0.397 χ^2/NDF:240459.7/14

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

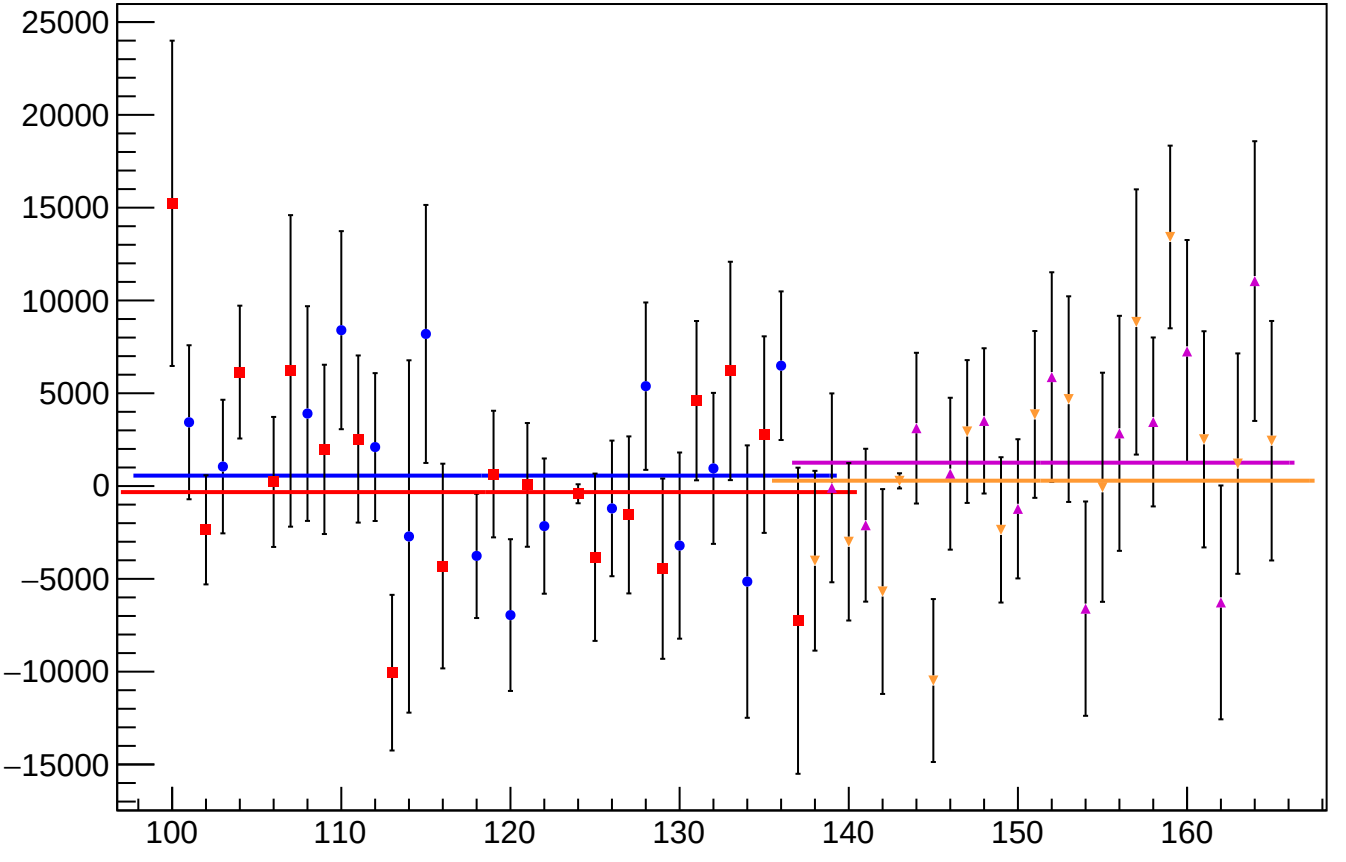
Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

+ sign 1848.945+/-0.304 χ^2/NDF: 985358.2/30

All: 1836.417+/-0.215 χ^2/NDF: 1368702.3/62

- sign 1823.904+/-0.303 χ^2/NDF: 379938.7/31

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 289.192+/-390.973 χ^2/NDF:19.6/14

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

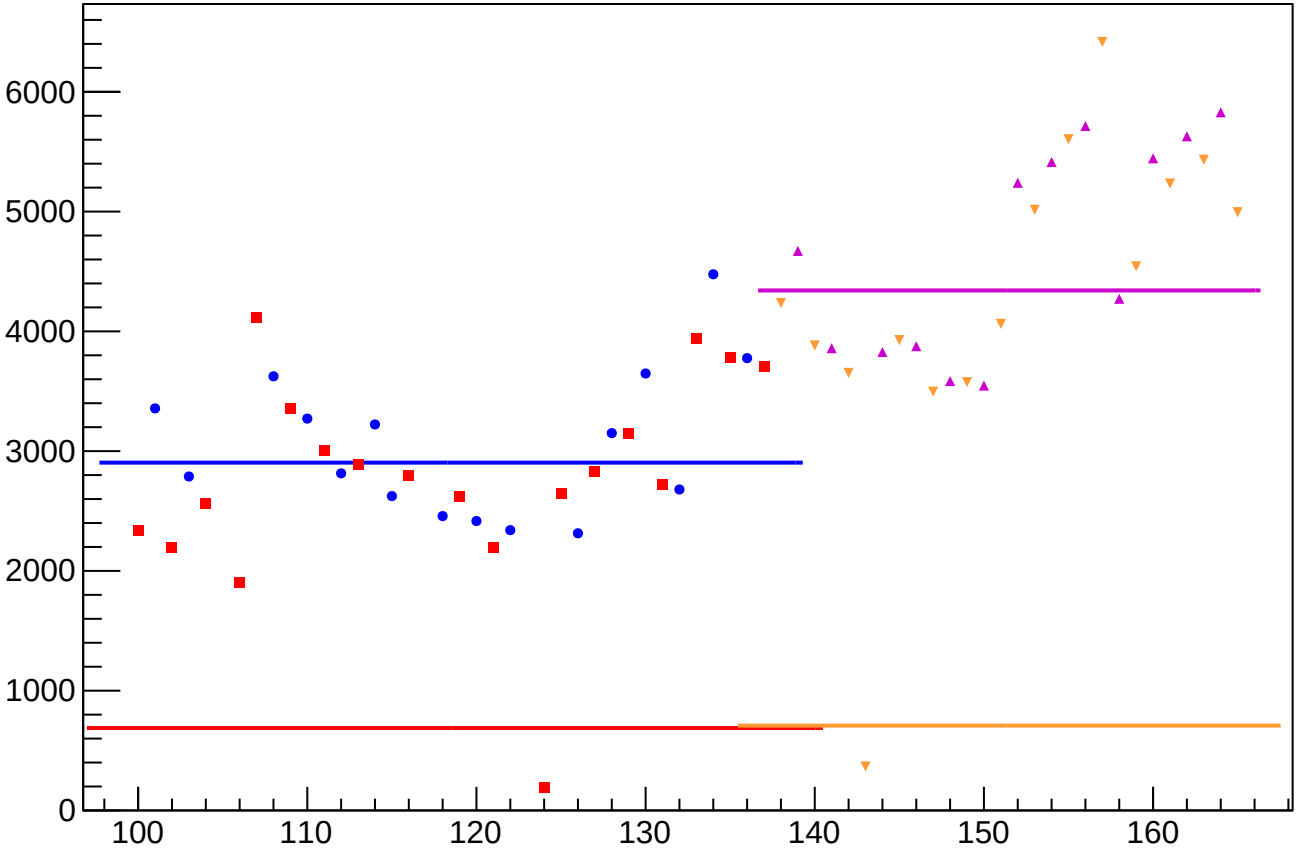
Left In: 1259.177+/-1336.897 χ^2/NDF:8.7/12

+ sign 319.771+/-368.439 χ^2/NDF: 34.5/30

All: 118.771+/-280.668 χ^2/NDF: 64.3/62

- sign -159.144+/-433.236 χ^2/NDF: 29.2/31

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 708.380+/-0.276 χ^2/NDF:16769987.8/14

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

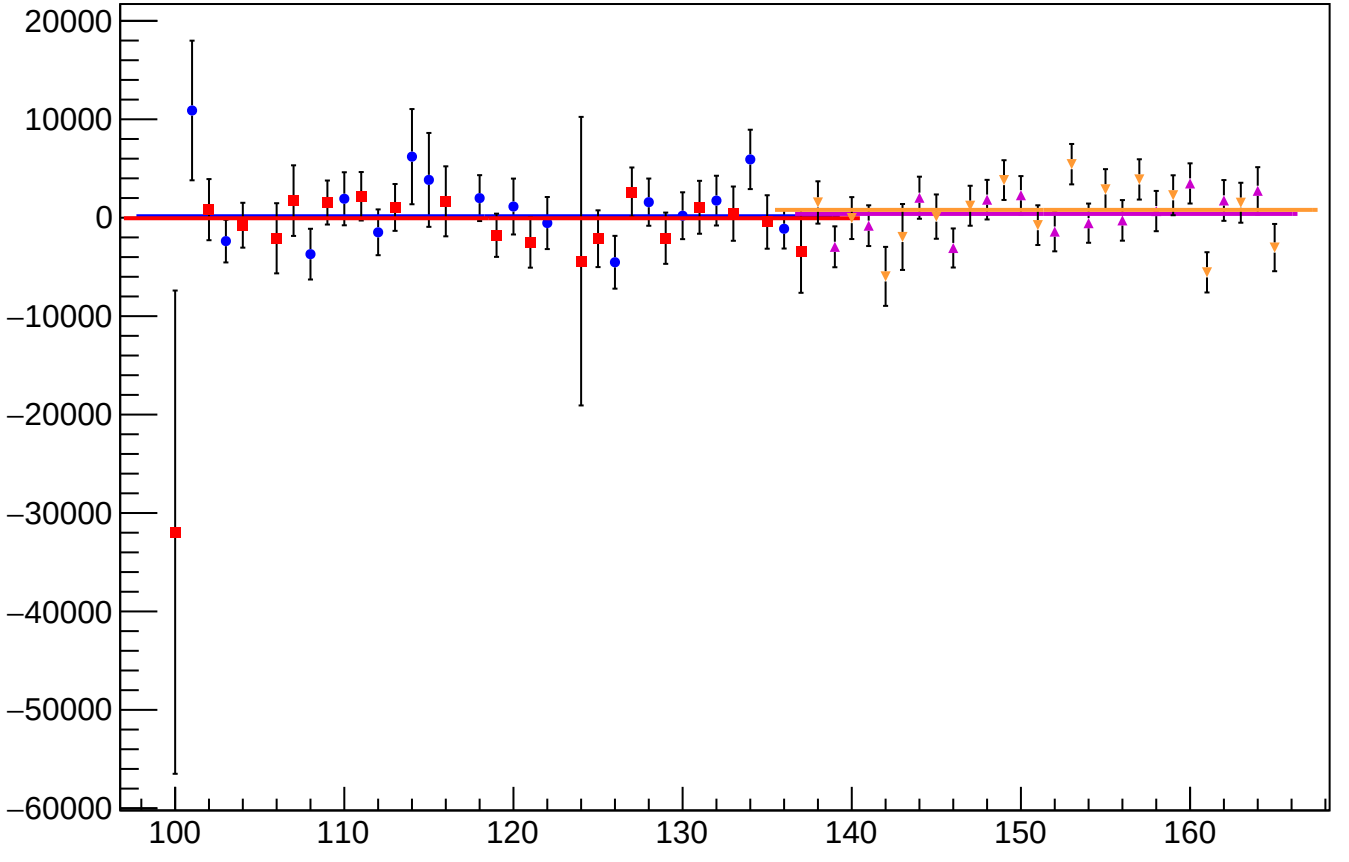
Left In: 4341.621+/-0.945 χ^2/NDF:701427.0/12

+ sign 954.189+/-0.261 χ^2/NDF: 24311339.3/30

All: 1003.622+/-0.198 χ^2/NDF: 48614057.0/6

- sign 1071.971+/-0.306 χ^2/NDF: 24216935.4/31

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 797.223+/-560.815 χ^2/NDF:30.3/14

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

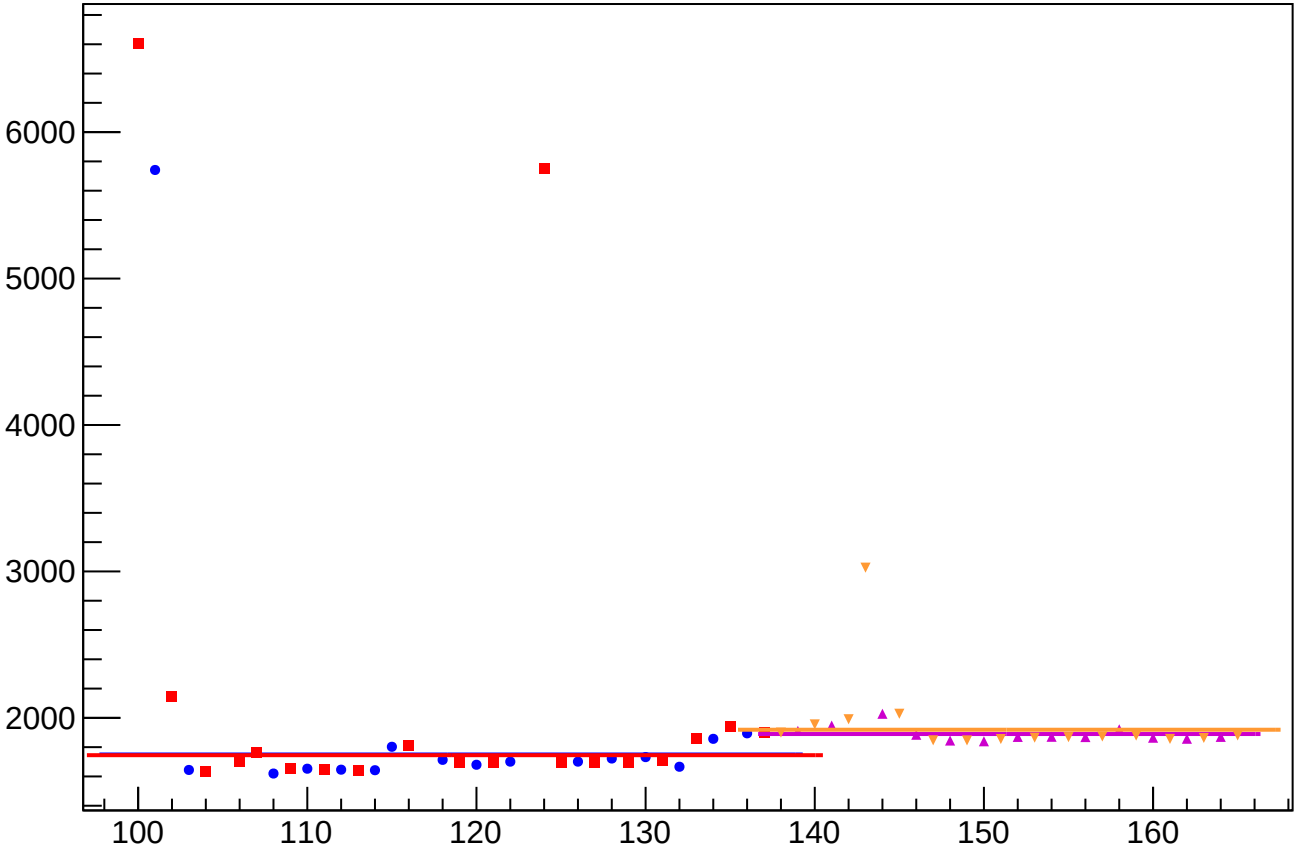
Left In: 385.299+/-570.707 χ^2/NDF:12.9/12

+ sign 529.288+/-429.257 χ^2/NDF: 48.5/30

All: 362.942+/-303.921 χ^2/NDF: 70.9/62

- sign 195.738+/-430.362 χ^2/NDF: 22.1/31

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1918.984+/-0.397 χ^2/NDF:240459.7/14

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

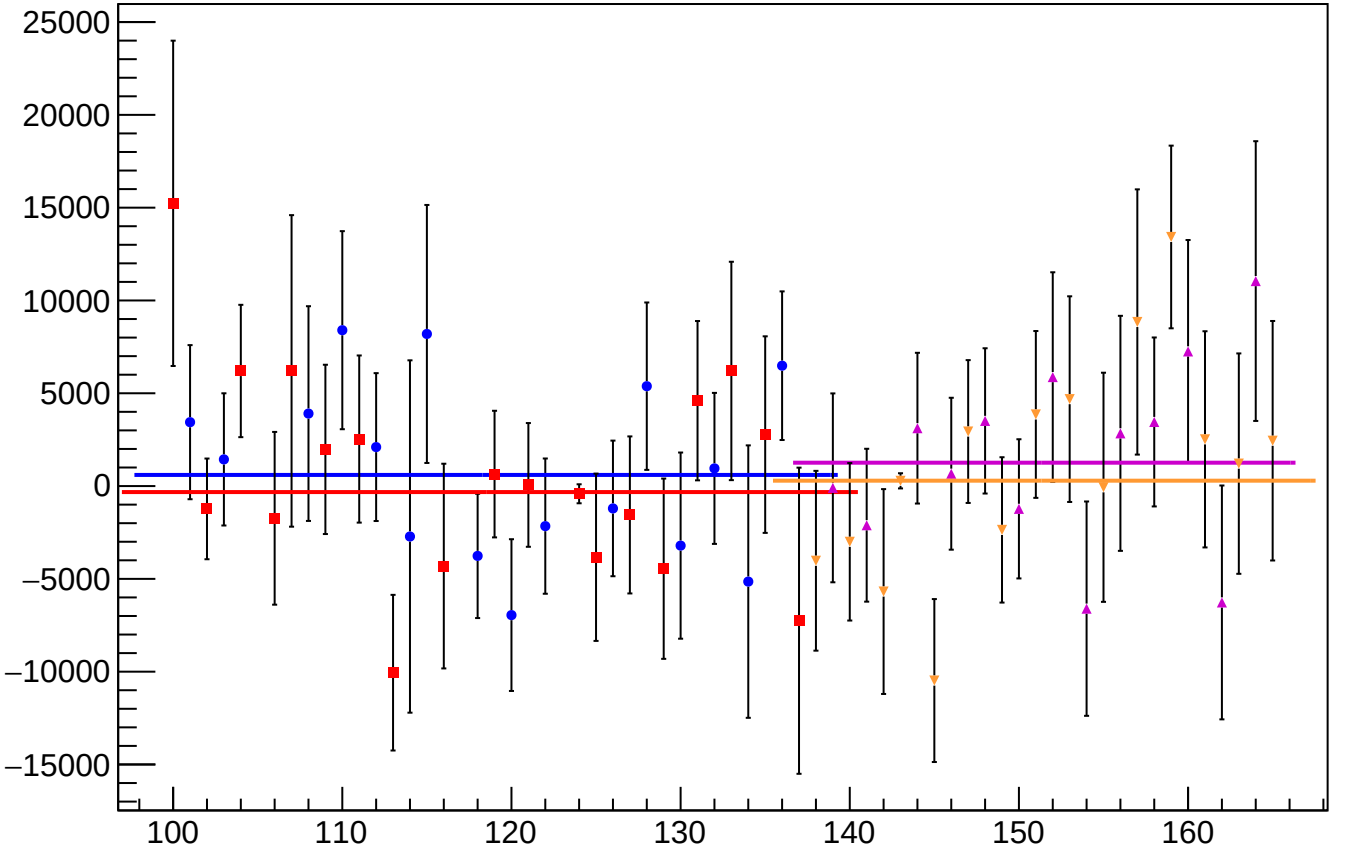
Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

+ sign 1848.945+/-0.304 χ^2/NDF: 985358.7/30

All: 1838.019+/-0.215 χ^2/NDF: 1355863.0/62

- sign 1827.072+/-0.304 χ^2/NDF: 367910.4/31

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 290.153+/-391.005 χ^2/NDF:19.6/14

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

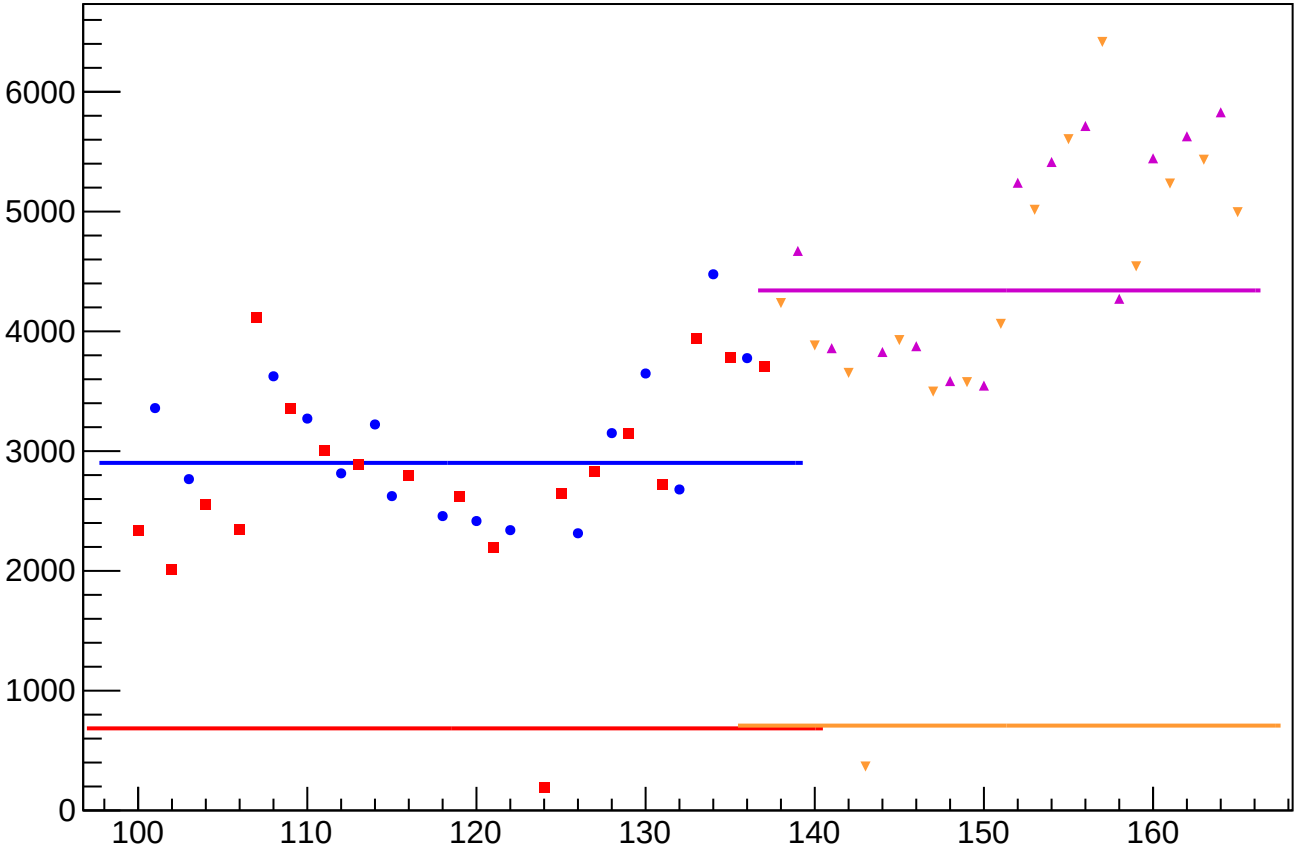
Left In: 1259.266+/-1336.895 χ^2/NDF:8.7/12

+ sign 324.927+/-368.427 χ^2/NDF: 34.5/30

All: 123.345+/-280.872 χ^2/NDF: 64.2/62

- sign -156.390+/-434.009 χ^2/NDF: 28.9/31

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 708.473+/-0.276 χ^2/NDF:16769401.2/14

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

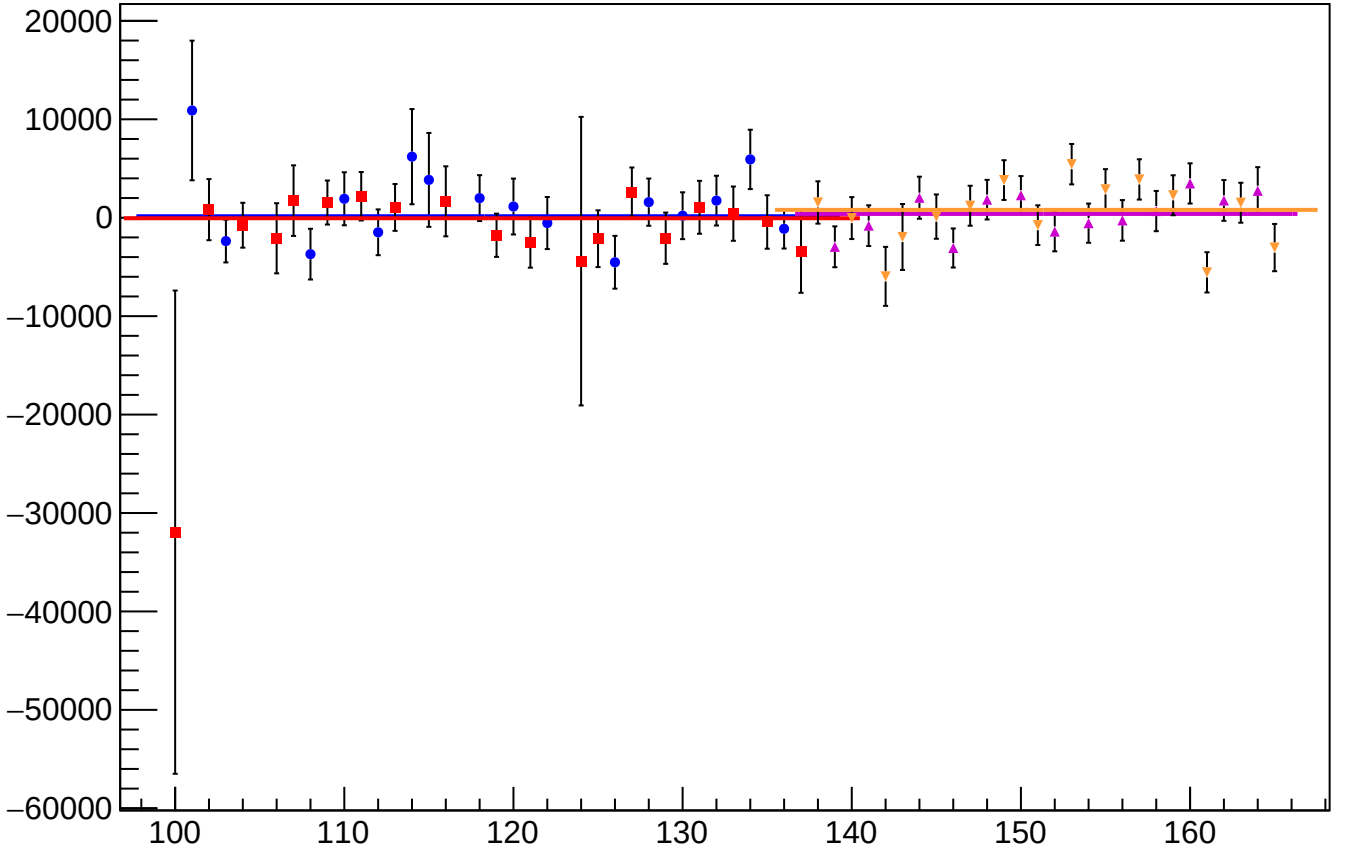
Left In: 4341.612+/-0.945 χ^2/NDF:701440.5/12

+ sign 954.472+/-0.261 χ^2/NDF: 24308859.4/30

All: 1003.109+/-0.199 χ^2/NDF: 48582694.2/6

- sign 1070.604+/-0.307 χ^2/NDF: 24190610.5/31

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 797.223+/-560.815 χ^2/NDF:30.3/14

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

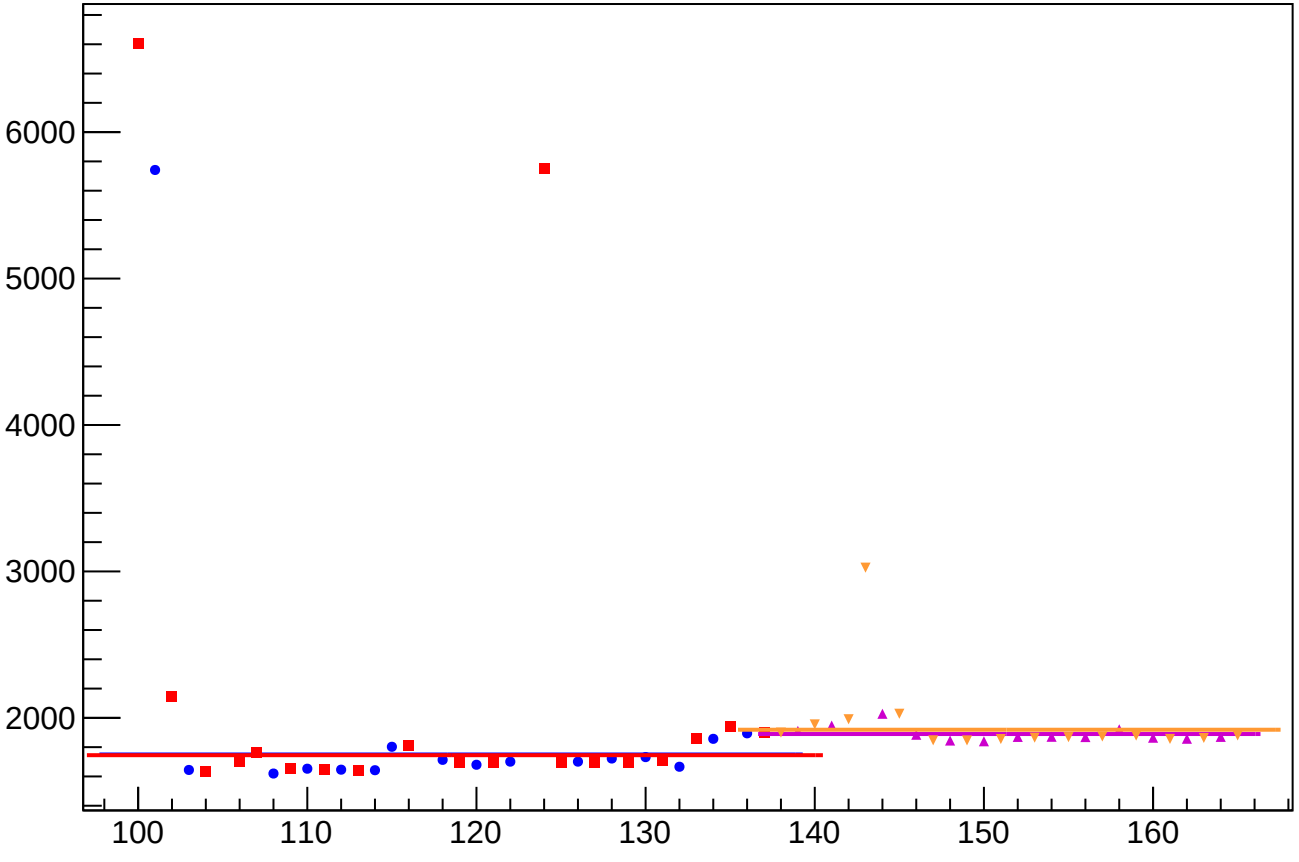
Left In: 385.299+/-570.707 χ^2/NDF:12.9/12

+ sign 529.288+/-429.257 χ^2/NDF: 48.5/30

All: 362.942+/-303.921 χ^2/NDF: 70.9/62

- sign 195.738+/-430.362 χ^2/NDF: 22.1/31

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1918.984+/-0.397 χ^2/NDF:240459.7/14

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

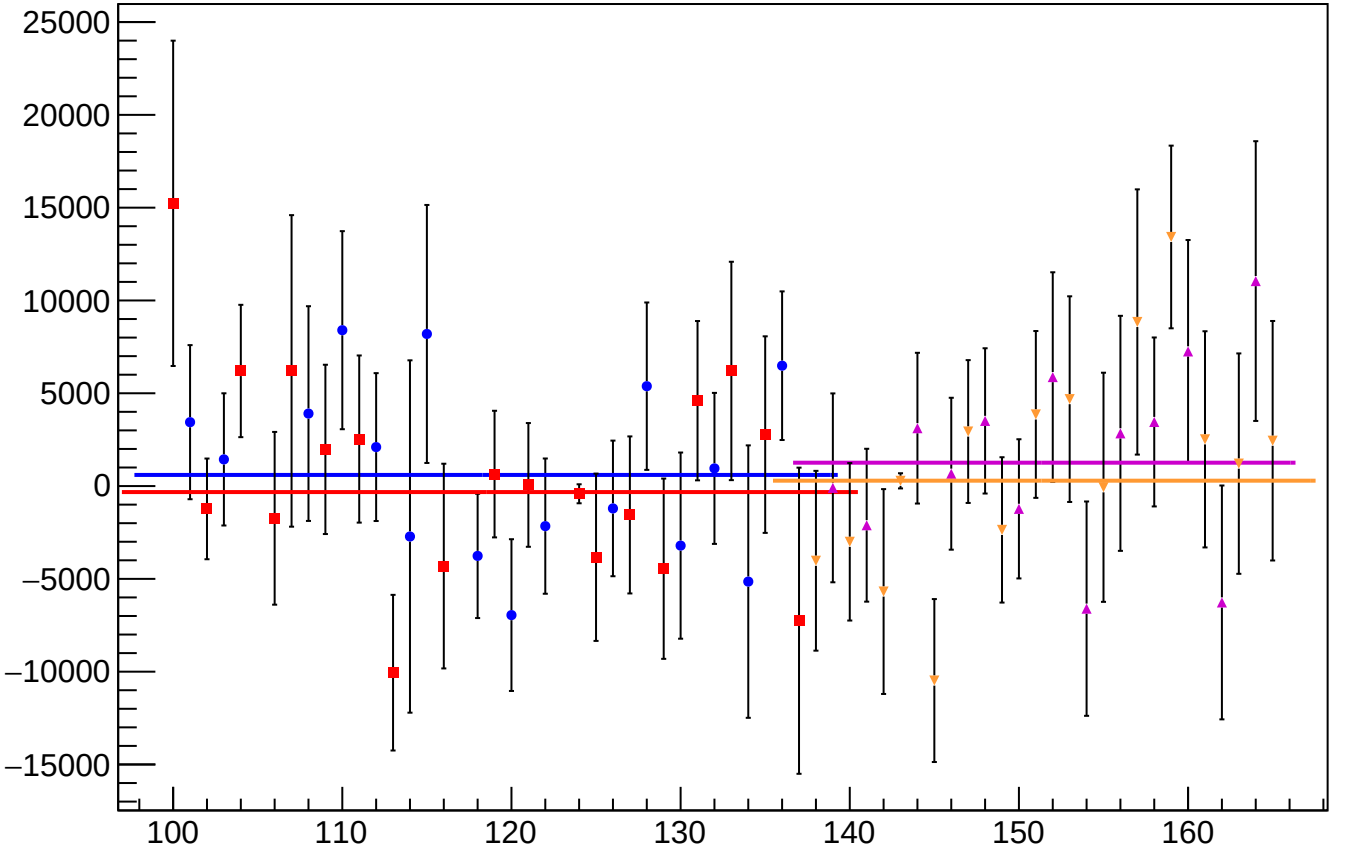
Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

+ sign 1848.945+/-0.304 χ^2/NDF: 985358.7/30

All: 1838.019+/-0.215 χ^2/NDF: 1355863.0/62

- sign 1827.072+/-0.304 χ^2/NDF: 367910.4/31

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 290.153+/-391.005 χ^2/NDF:19.6/14

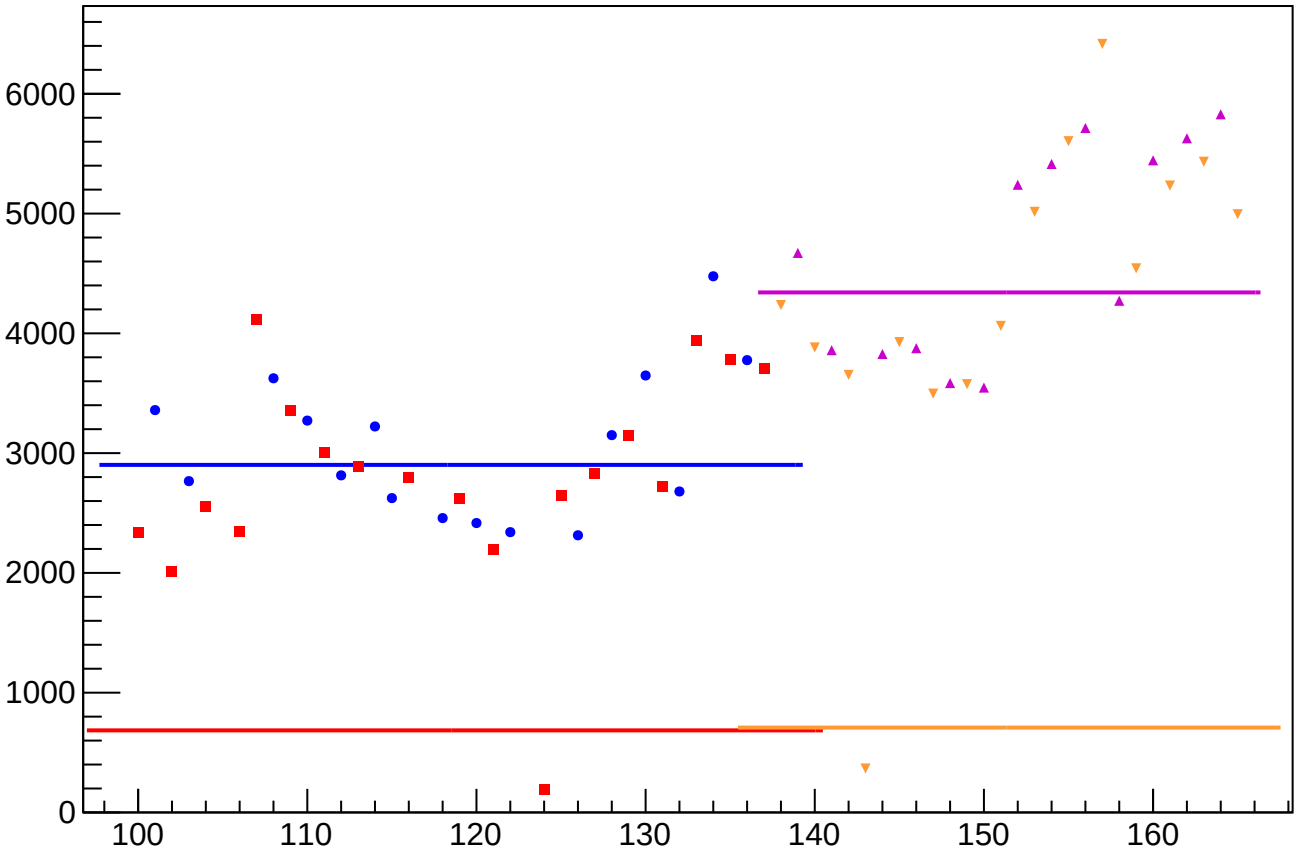
Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 1259.266+/-1336.895 χ^2/NDF:8.7/12

+ sign 324.927+/-368.427 χ^2/NDF: 34.5/30

All: 123.345+/-280.872 χ^2/NDF: 64.2/62

- sign -156.390+/-434.009 χ^2/NDF: 28.9/31



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 708.473+/-0.276 χ^2/NDF:16769401.2/14

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

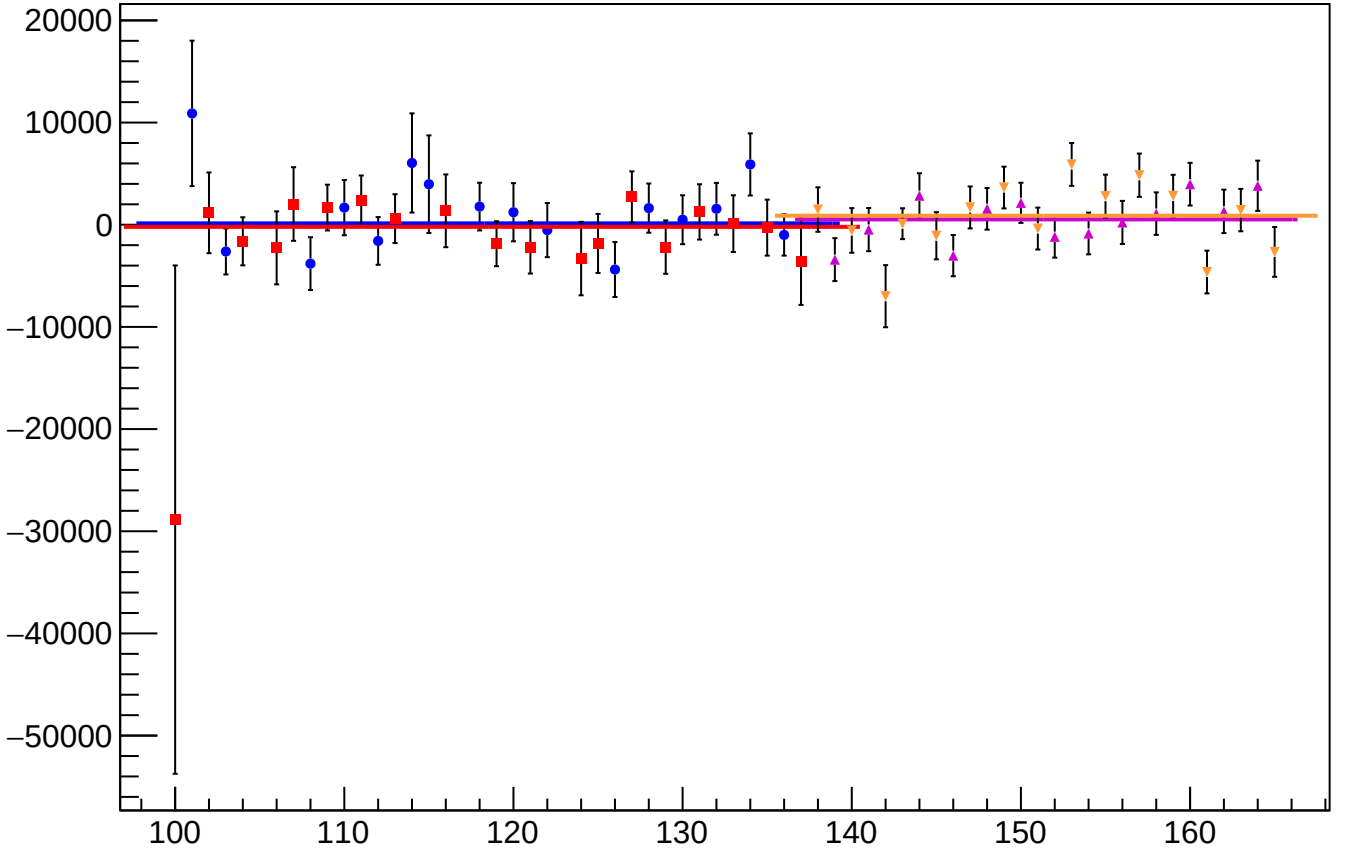
Left In: 4341.612+/-0.945 χ^2/NDF:701440.5/12

+ sign 954.472+/-0.261 χ^2/NDF: 24308859.4/30

All: 1003.109+/-0.199 χ^2/NDF: 48582694.2/6

- sign 1070.604+/-0.307 χ^2/NDF: 24190610.5/31

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 884.734+/-541.472 χ^2/NDF:30.6/14

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

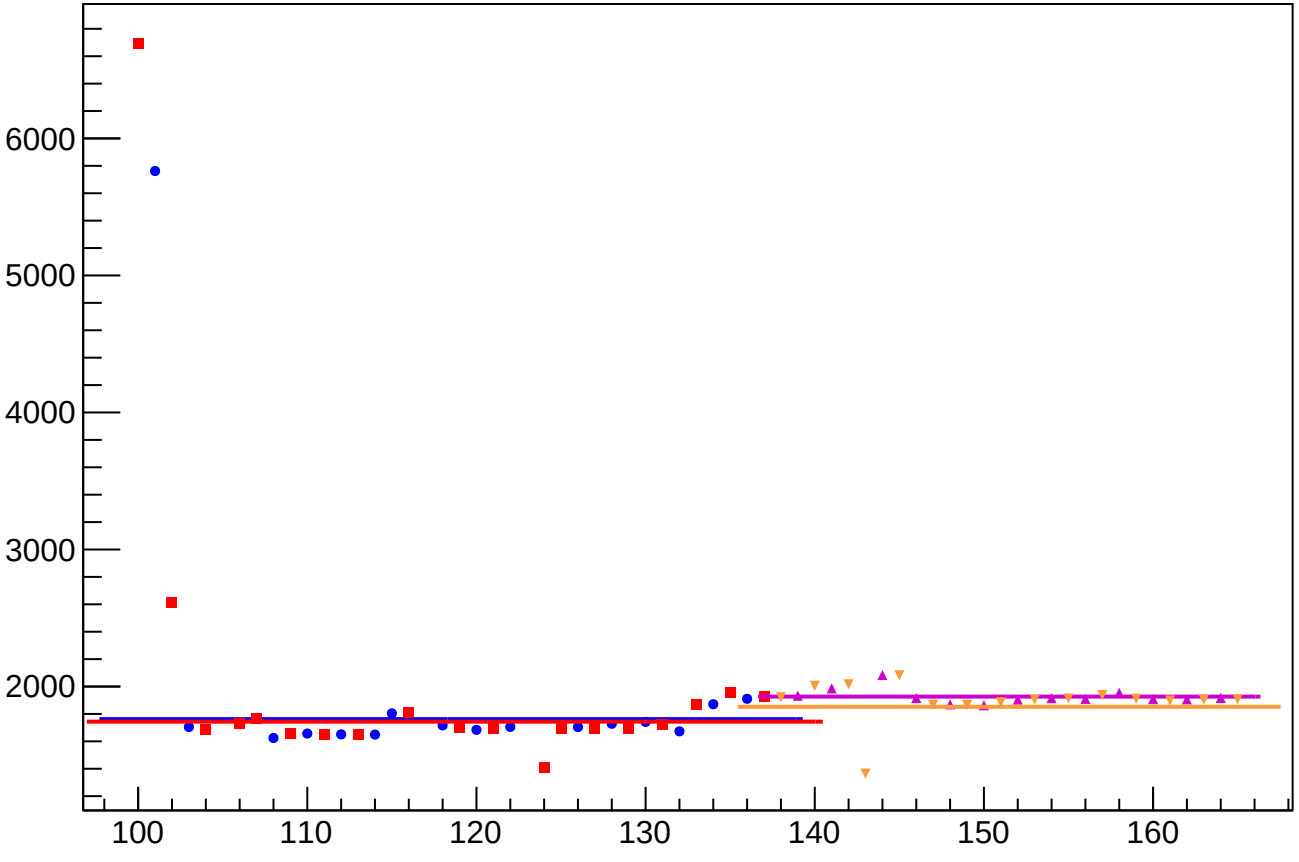
Left In: 522.602+/-581.887 χ^2/NDF:14.8/12

+ sign 588.931+/-421.537 χ^2/NDF: 48.7/30

All: 401.078+/-302.671 χ^2/NDF: 74.2/62

- sign 201.169+/-434.855 χ^2/NDF: 25.2/31

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1851.943+/-0.383 χ^2/NDF:258157.3/14

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

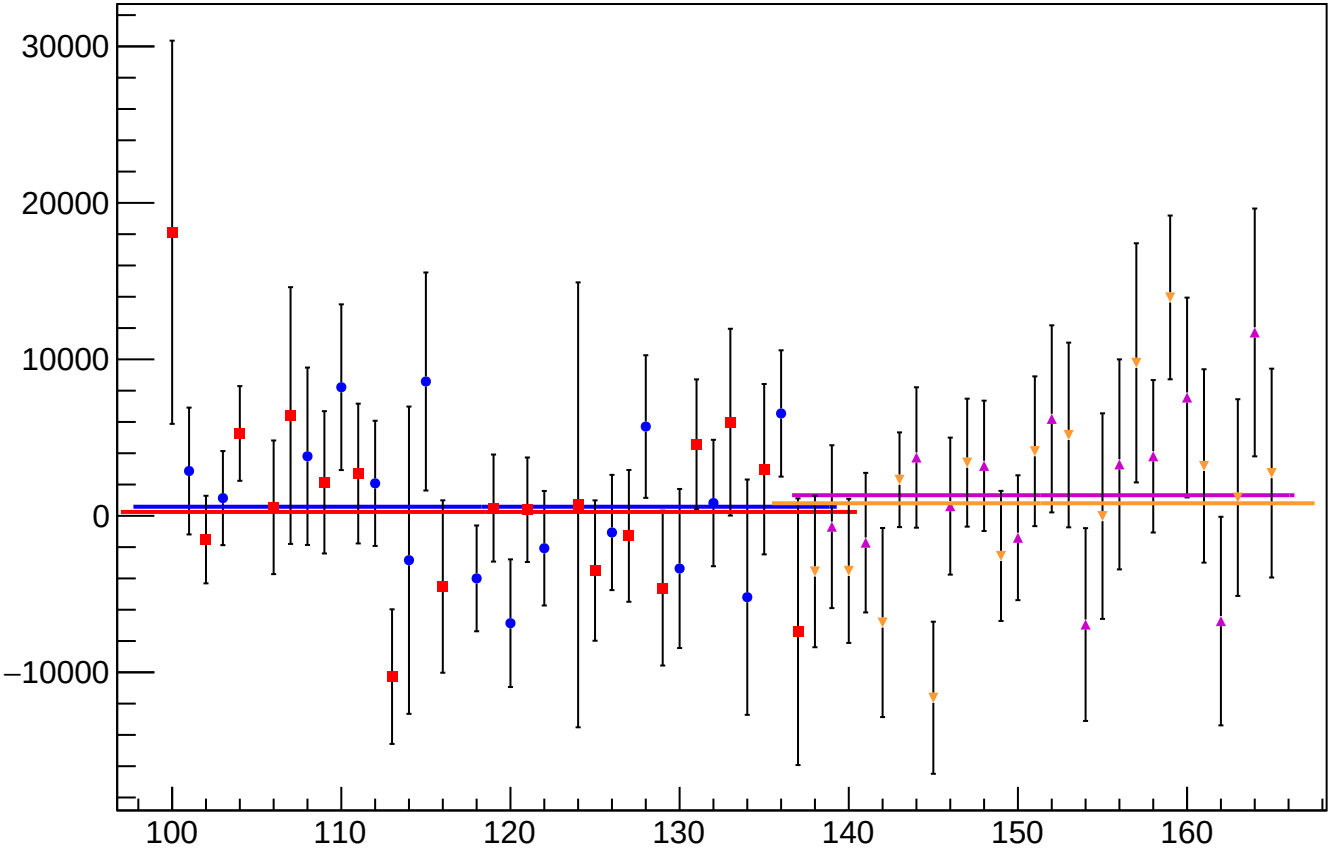
Left In: 1926.497+/-0.411 χ^2/NDF:16714.0/12

+ sign 1816.532+/-0.298 χ^2/NDF: 947567.5/30

All: 1830.603+/-0.214 χ^2/NDF: 1284040.1/62

- sign 1845.540+/-0.307 χ^2/NDF: 331878.3/31

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 803.841+/-1280.880 χ^2/NDF:20.1/14

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

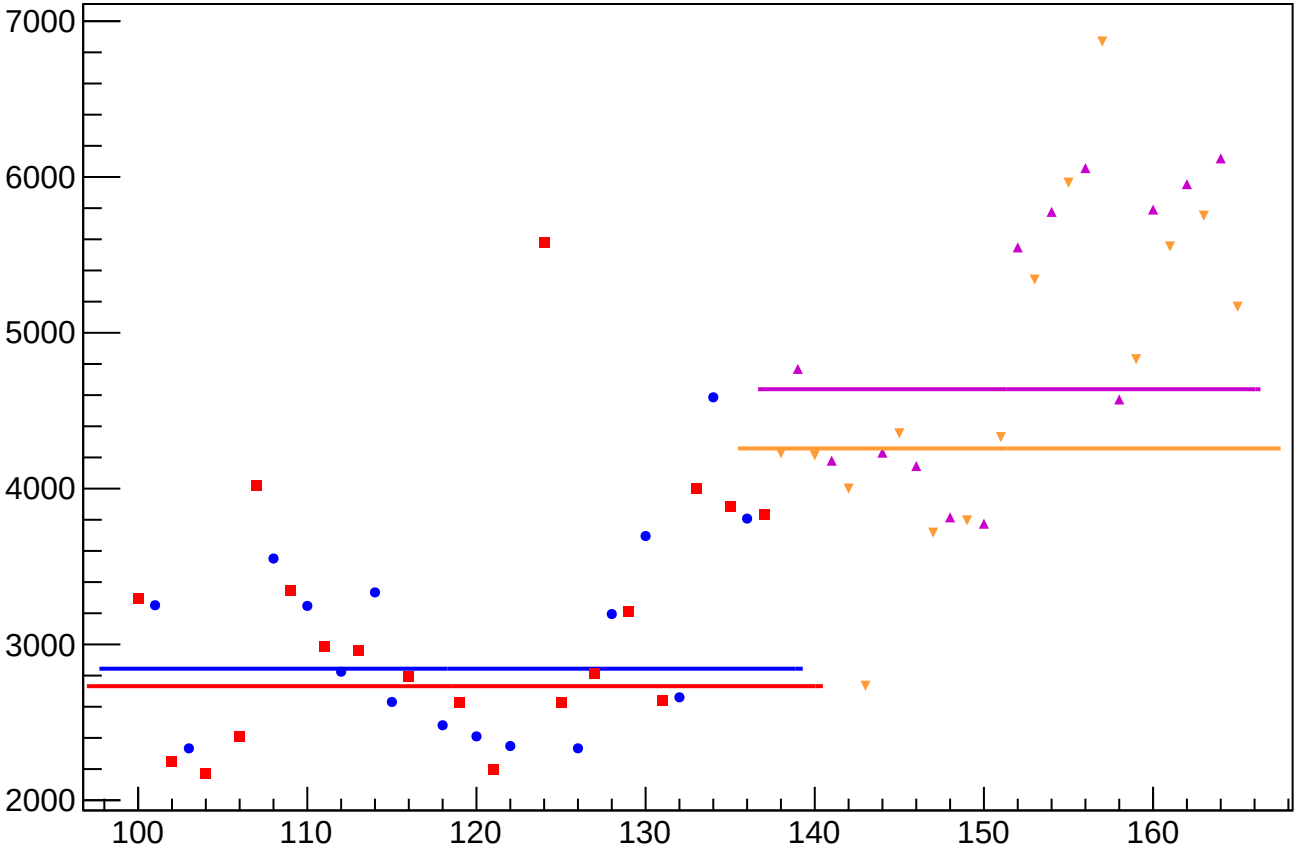
Left In: 1317.543+/-1426.876 χ^2/NDF:8.5/12

\+ sign 674.459+/-826.332 χ^2/NDF: 35.0/30

All: 643.209+/-585.714 χ^2/NDF: 61.8/62

\- sign 611.655+/-830.332 χ^2/NDF: 26.8/31

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4257.806+/-0.906 χ^2/NDF:1269318.1/14

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

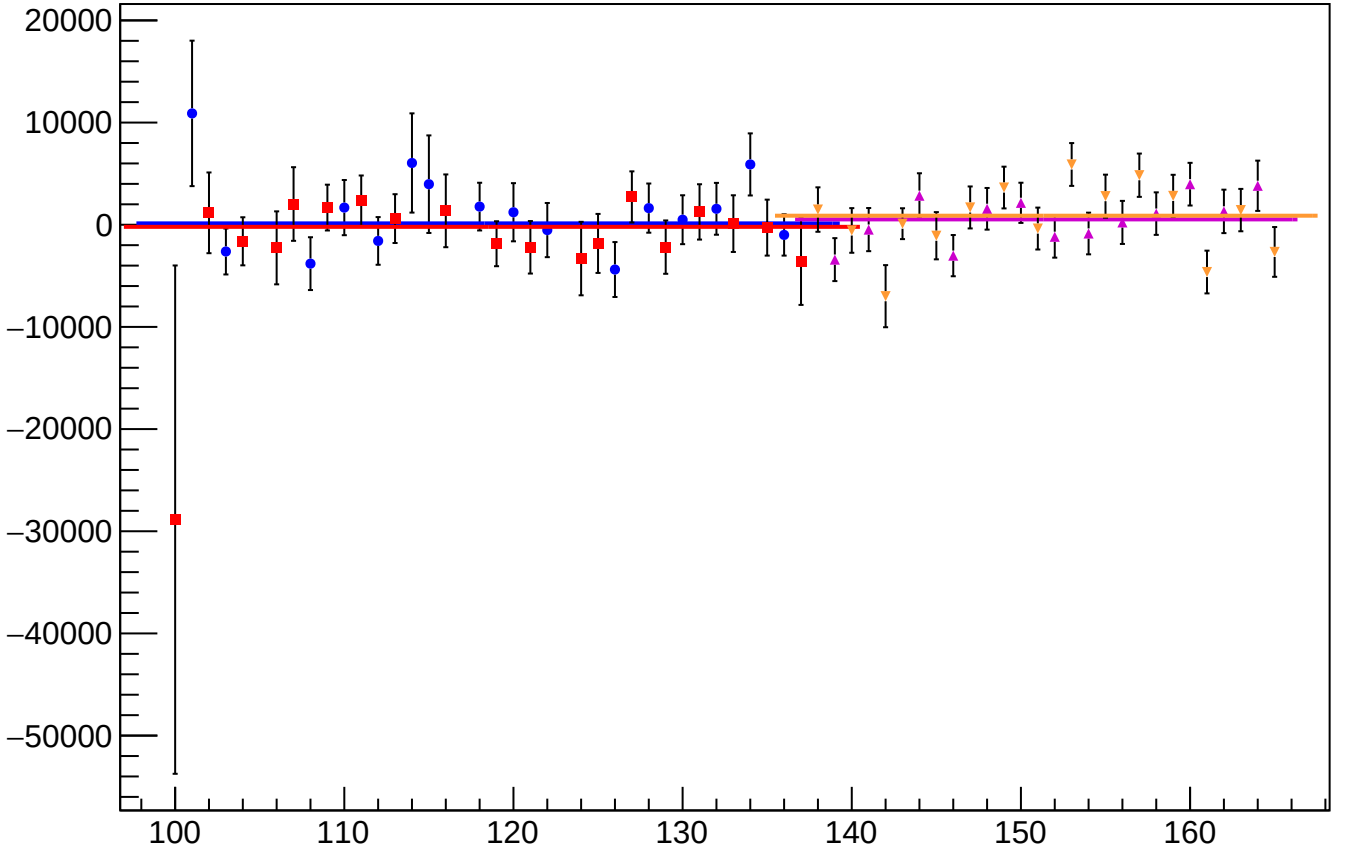
Left In: 4637.967+/-1.009 χ^2/NDF:653508.7/12

\+ sign 3432.502+/-0.584 χ^2/NDF: 3233581.8/30

All: 3405.090+/-0.414 χ^2/NDF: 6862942.8/62

\- sign 3377.411+/-0.587 χ^2/NDF: 3624937.8/31

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 884.736+/-541.472 χ^2/NDF:30.6/14

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

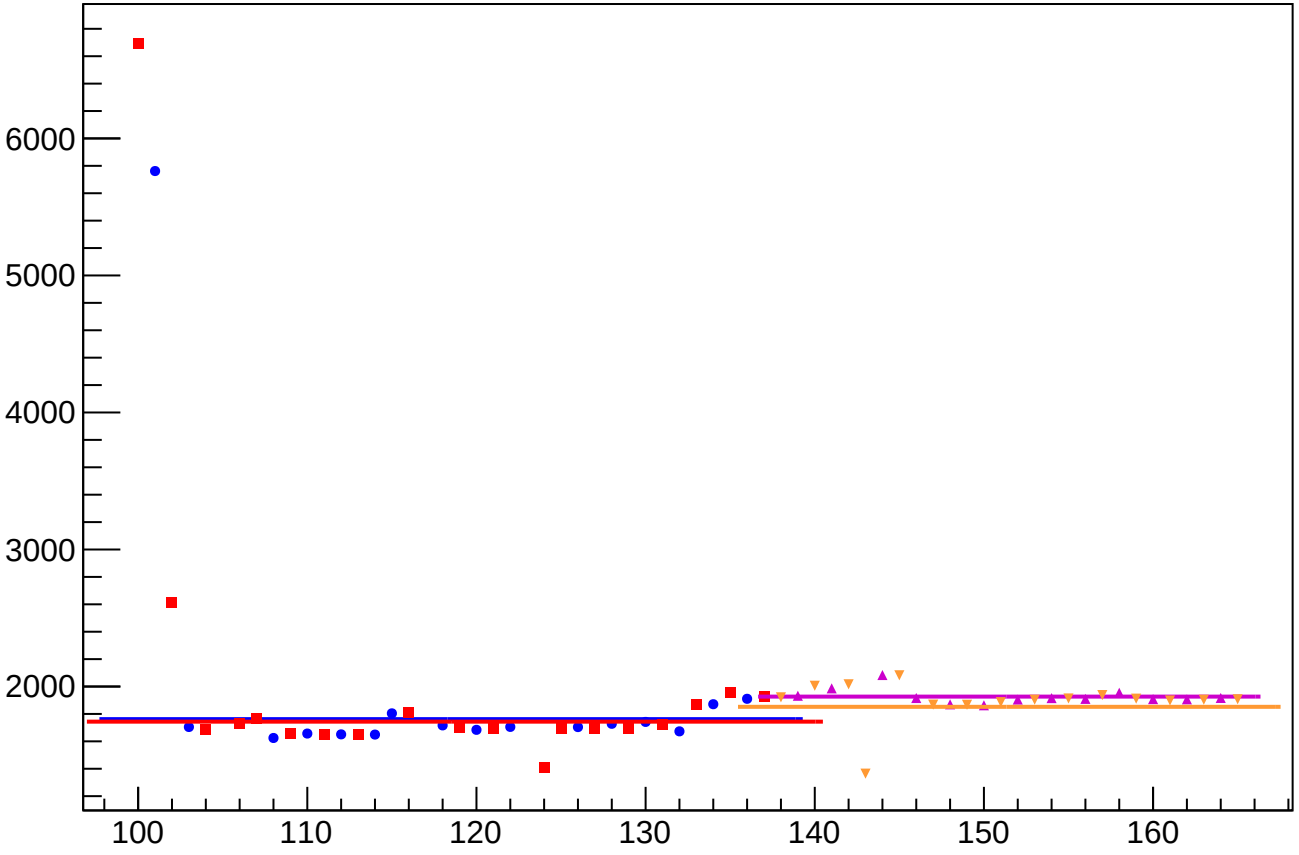
Left In: 522.605+/-581.887 χ^2/NDF:14.8/12

+ sign 588.931+/-421.537 χ^2/NDF: 48.7/30

All: 401.080+/-302.671 χ^2/NDF: 74.2/62

- sign 201.171+/-434.855 χ^2/NDF: 25.2/31

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1851.943+/-0.383 χ^2/NDF:258158.6/14

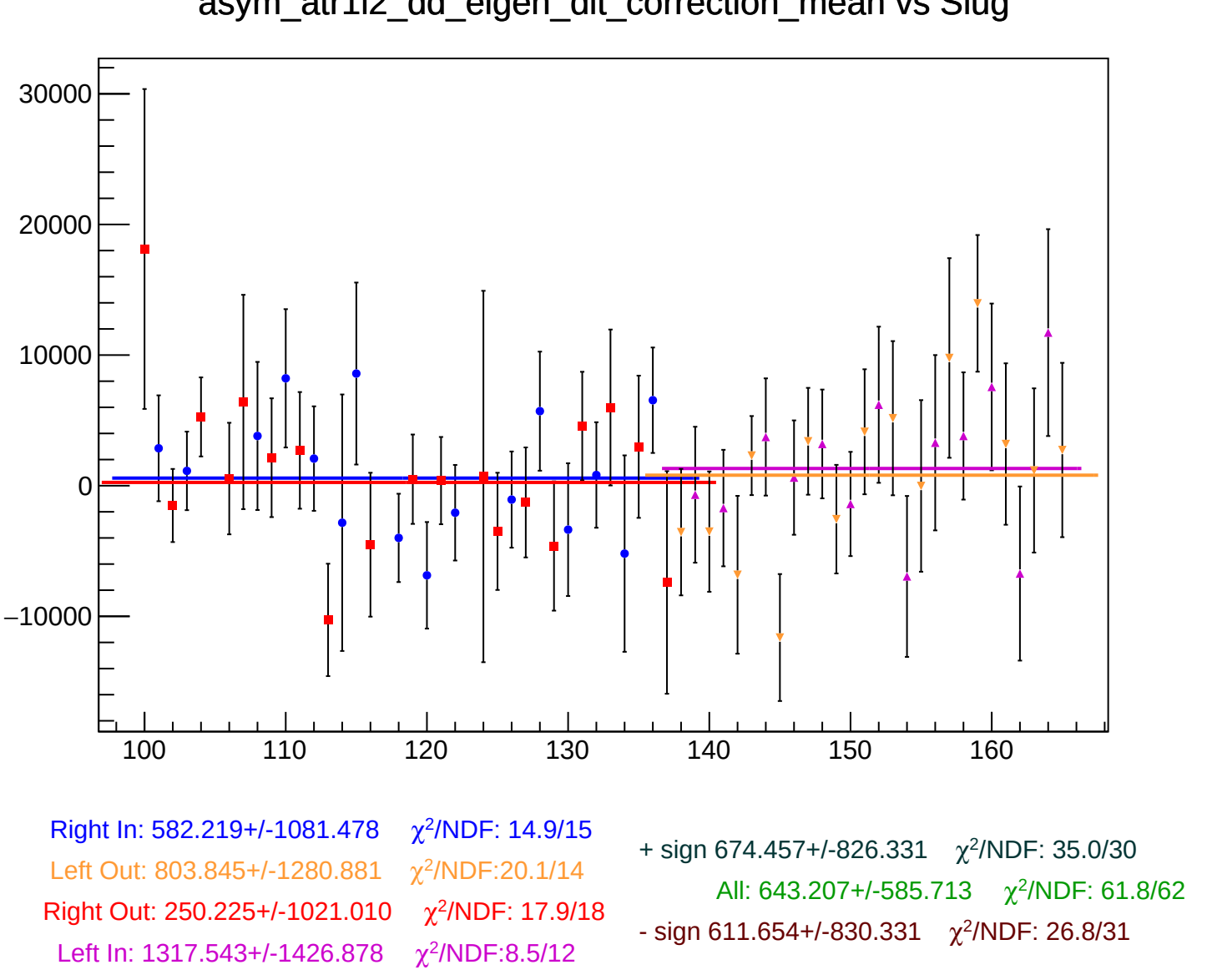
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1926.498+/-0.411 χ^2/NDF:16714.2/12

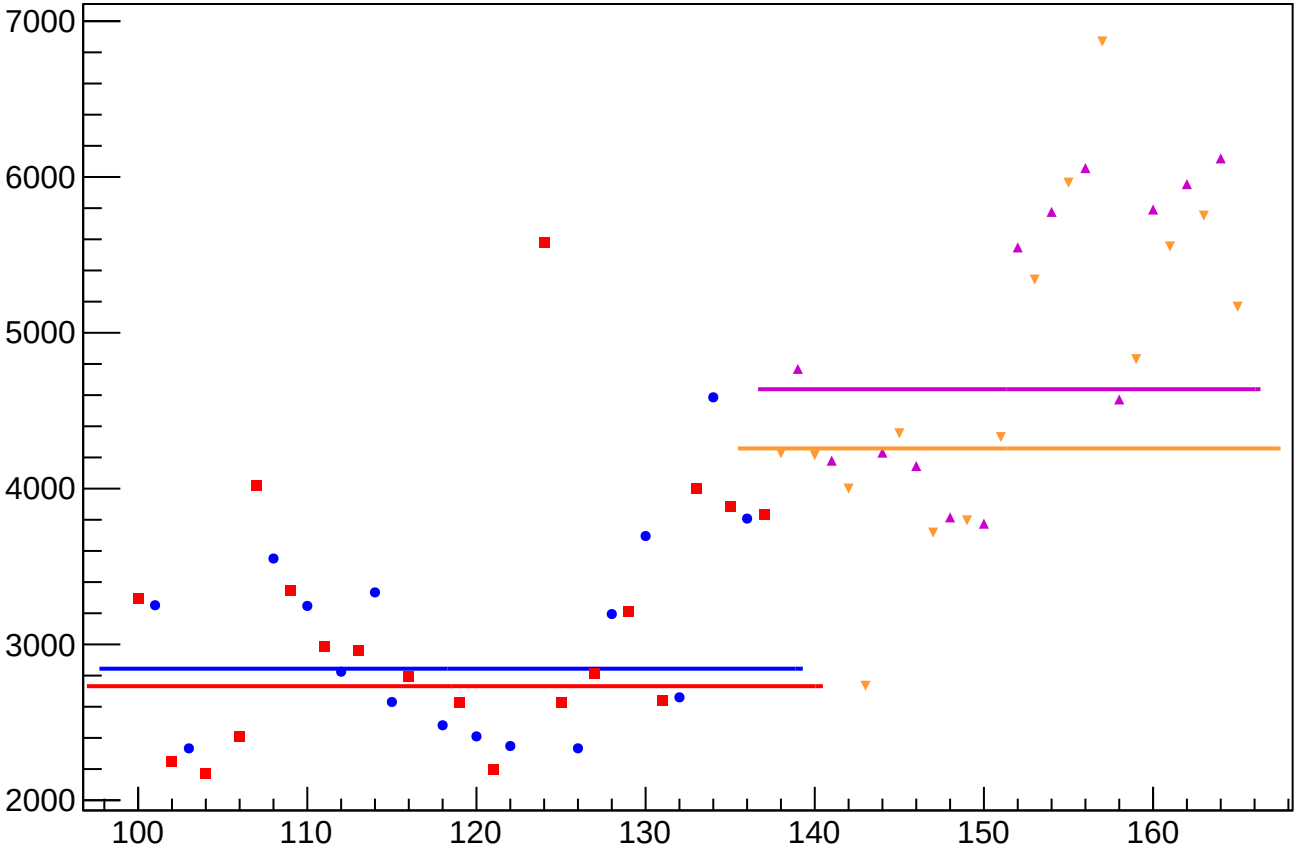
+ sign 1816.532+/-0.298 χ^2/NDF: 947569.2/30

All: 1830.604+/-0.214 χ^2/NDF: 1284043.0/62

- sign 1845.540+/-0.307 χ^2/NDF: 331879.6/31


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 582.219+/-1081.478 χ²/NDF: 14.9/15
Left Out: 803.845+/-1280.881 χ²/NDF:20.1/14
Right Out: 250.225+/-1021.010 χ²/NDF: 17.9/18
Left In: 1317.543+/-1426.878 χ²/NDF:8.5/12
+ sign 674.457+/-826.331 χ²/NDF: 35.0/30
All: 643.207+/-585.713 χ²/NDF: 61.8/62
- sign 611.654+/-830.331 χ²/NDF: 26.8/31

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4257.811+/-0.906 χ^2/NDF:1269324.4/14

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

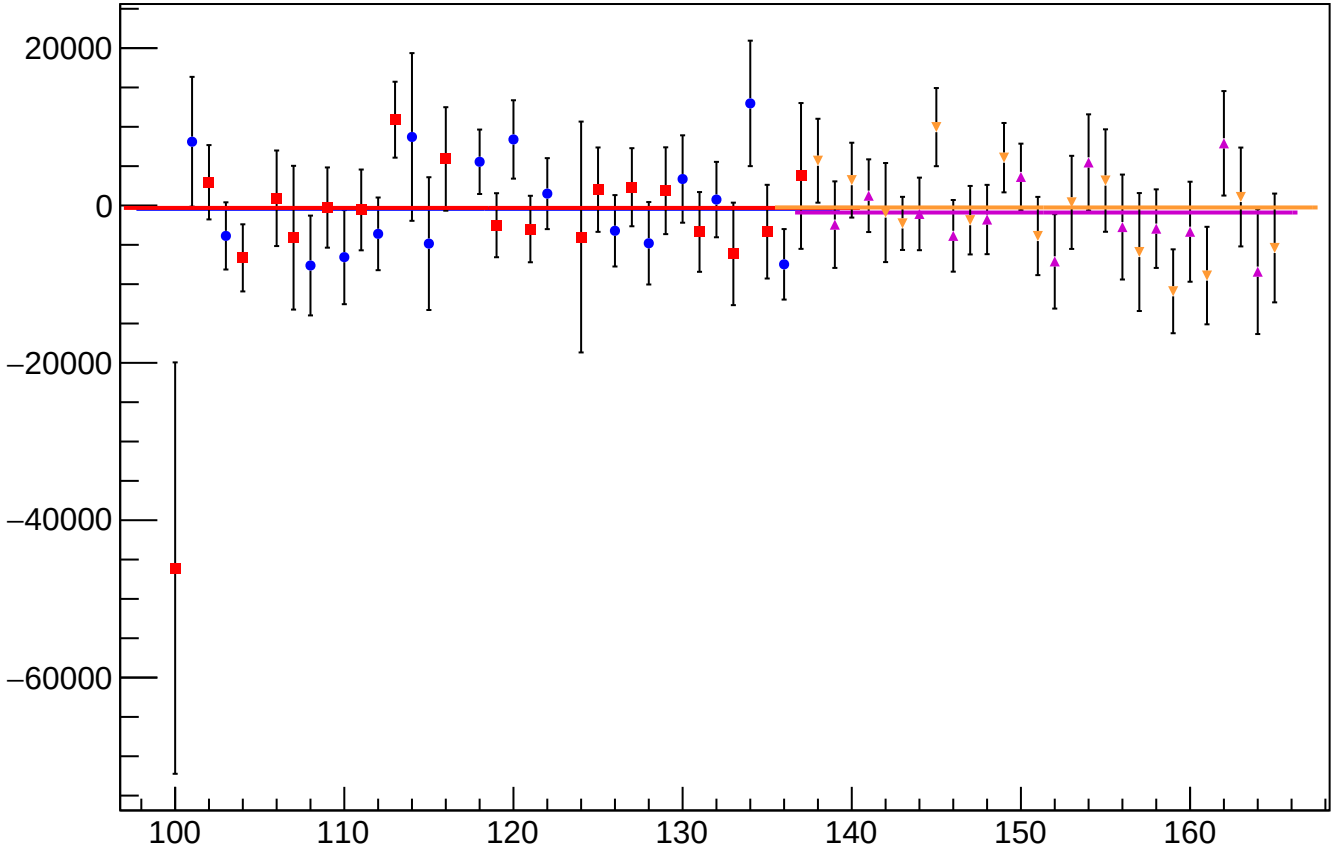
Left In: 4637.974+/-1.009 χ^2/NDF:653511.5/12

\+ sign 3432.497+/-0.584 χ^2/NDF: 3233617.8/30

All: 3405.085+/-0.414 χ^2/NDF: 6863007.1/62

\- sign 3377.407+/-0.587 χ^2/NDF: 3624966.2/31

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: -250.948+/-1342.318 χ^2/NDF:16.5/14

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

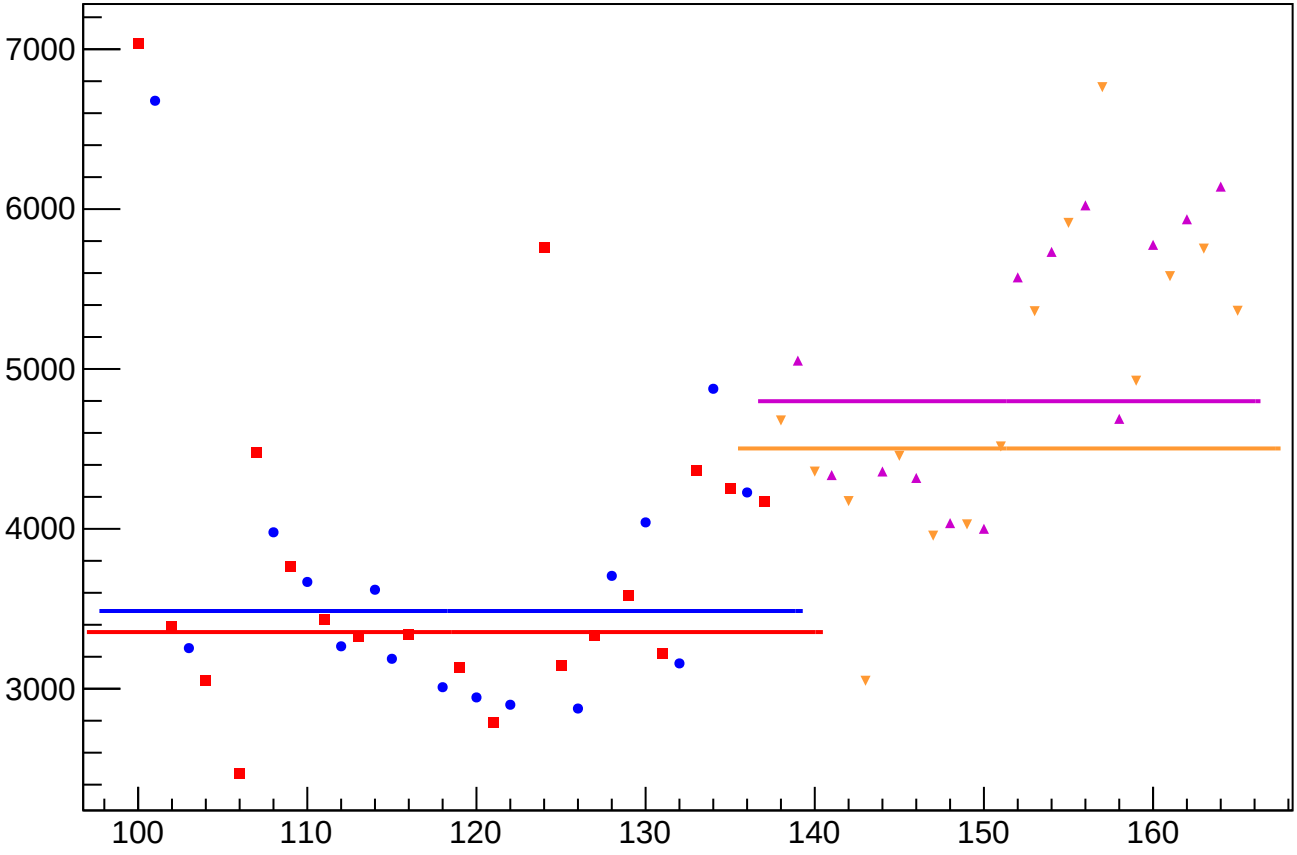
Left In: -894.750+/-1469.461 χ^2/NDF:7.1/12

+ sign -338.011+/-943.793 χ^2/NDF: 34.4/30

All: -446.765+/-674.166 χ^2/NDF: 56.9/62

- sign -560.069+/-963.337 χ^2/NDF: 22.5/31

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4502.864+/-0.949 χ^2/NDF:935904.9/14

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

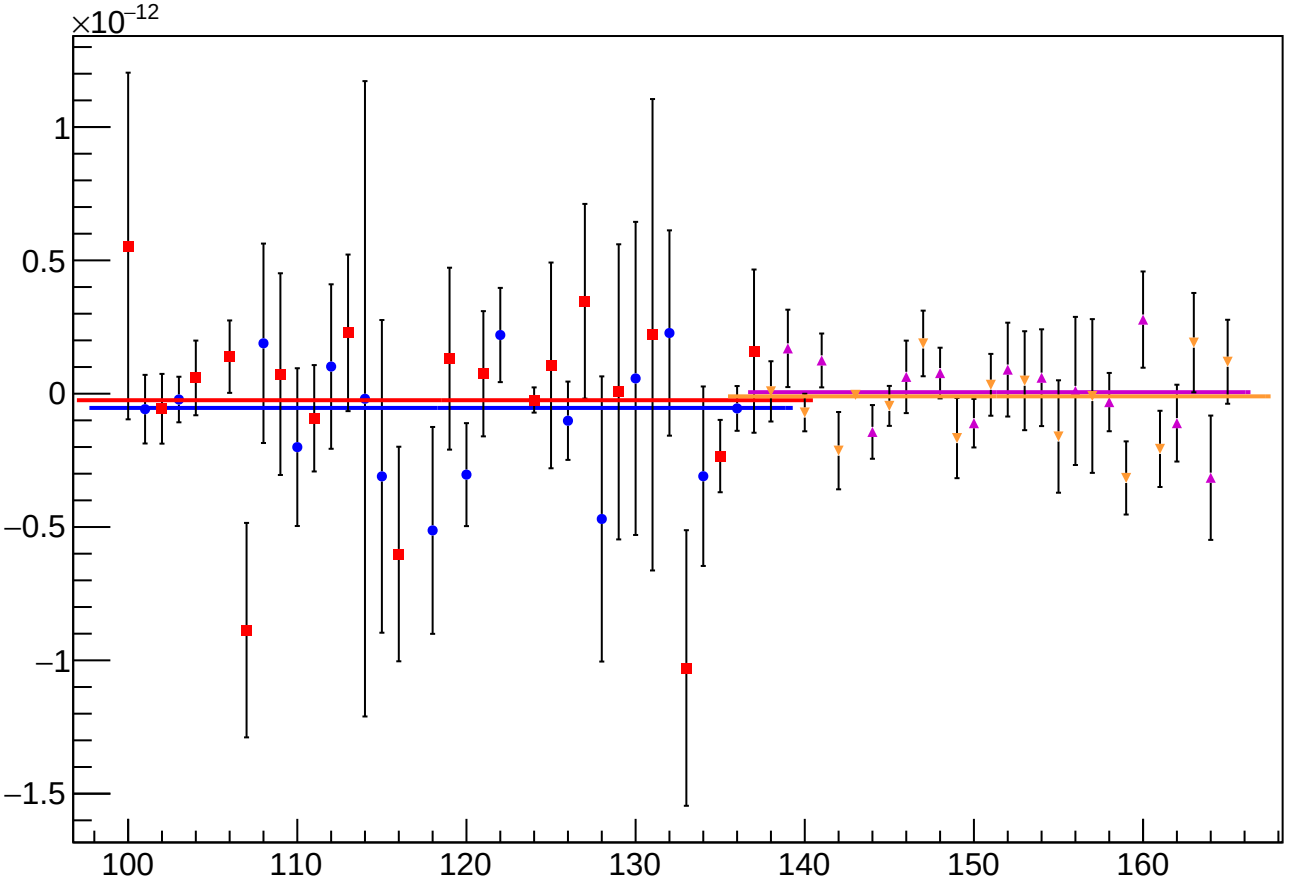
Left In: 4798.451+/-1.039 χ^2/NDF:507782.1/12

+ sign 3988.779+/-0.667 χ^2/NDF: 2111853.3/30

All: 3977.094+/-0.475 χ^2/NDF: 4111256.3/62

- sign 3965.115+/-0.676 χ^2/NDF: 1998782.2/31

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

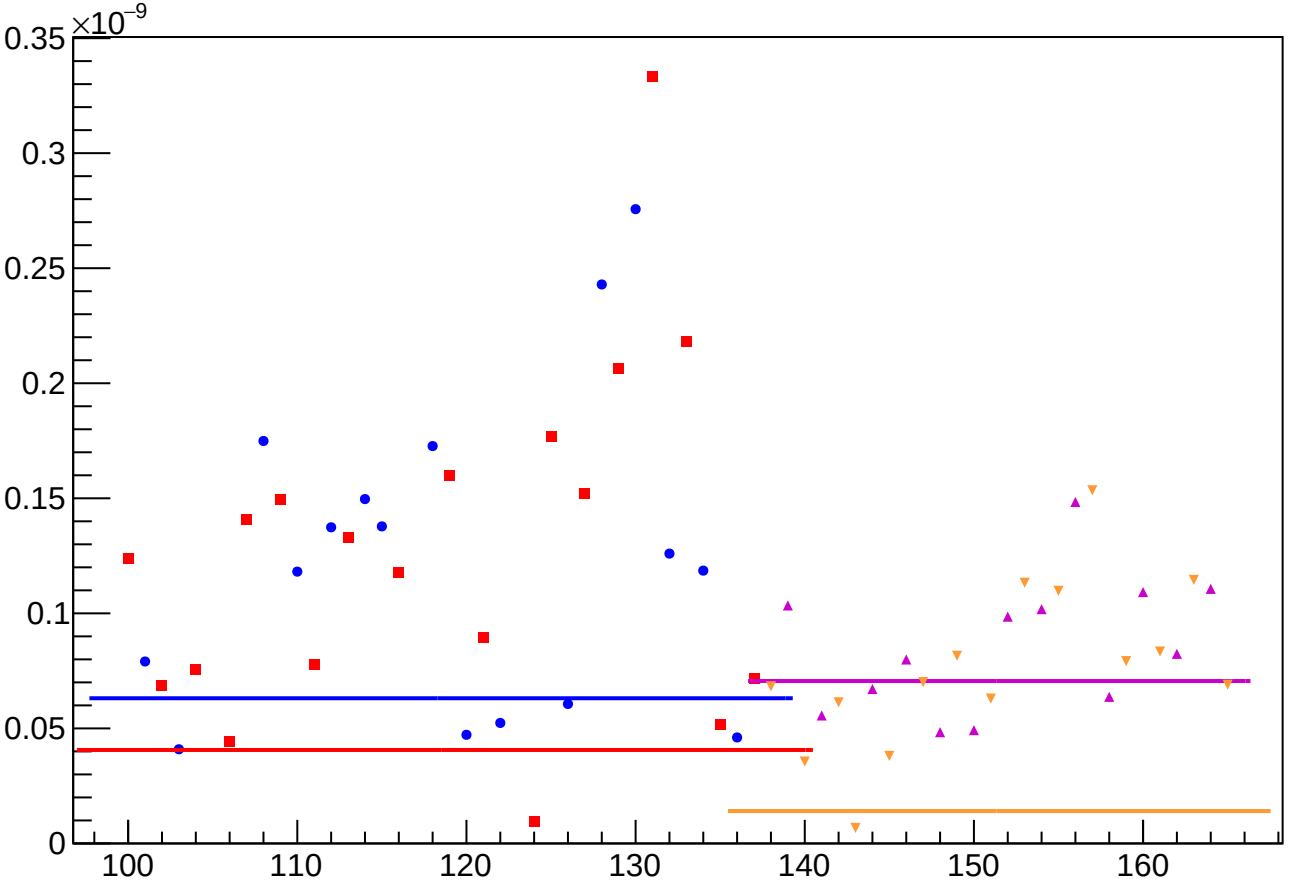
Left In: 0.000+/-0.000 χ^2/NDF:12.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/30

All: -0.000+/-0.000 χ^2/NDF: 57.0/62

- sign -0.000+/-0.000 χ^2/NDF: 31.2/31

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:6081465.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

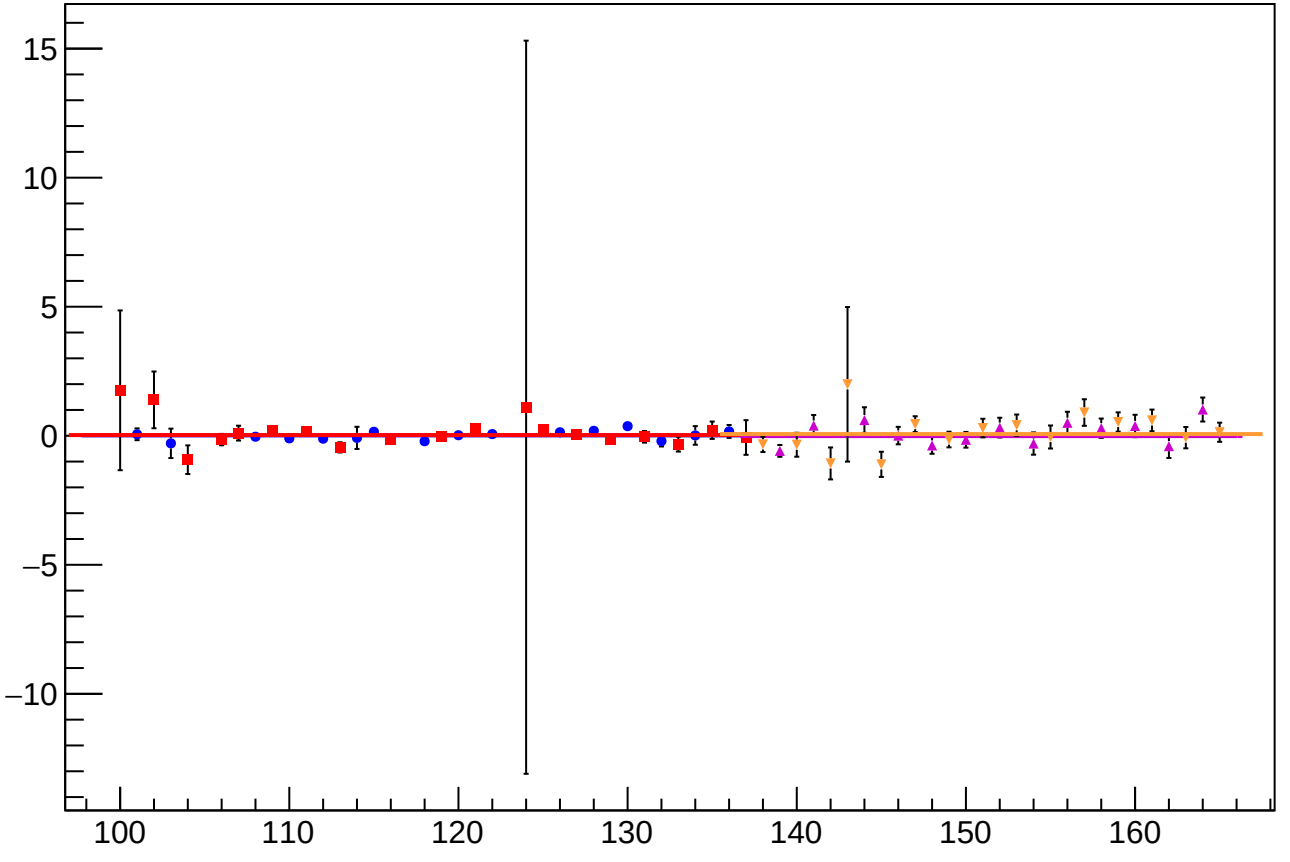
Left In: 0.000+/-0.000 χ^2/NDF:816595.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 9777977.4/30

All: 0.000+/-0.000 χ^2/NDF: 18253802.1/62

- sign 0.000+/-0.000 χ^2/NDF: 4693636.3/31

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

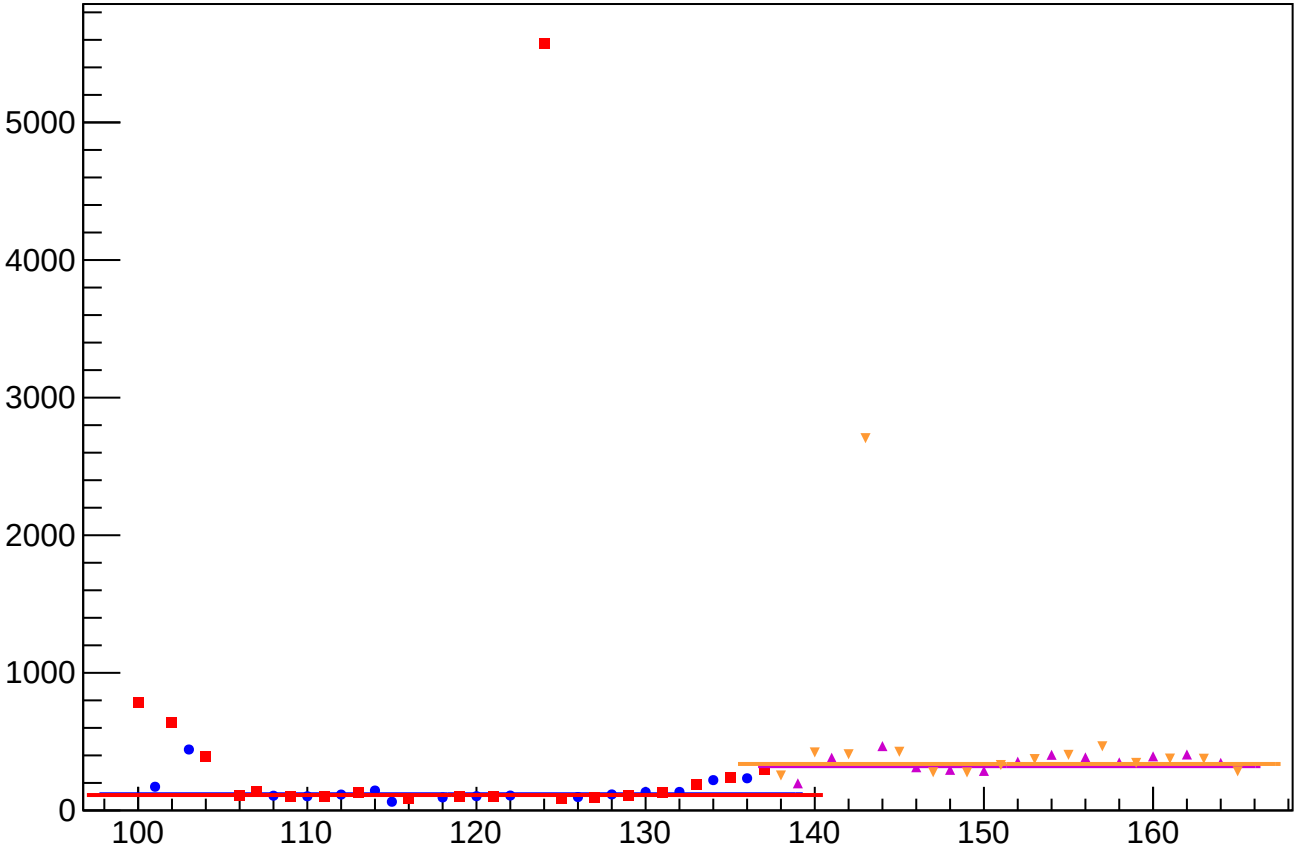
Left In: -0.014+/-0.101 χ^2/NDF:20.0/12

+ sign 0.024+/-0.043 χ^2/NDF: 33.4/30

All: 0.021+/-0.030 χ^2/NDF: 75.6/62

- sign 0.019+/-0.043 χ^2/NDF: 42.2/31

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 337.829+/-0.073 χ^2/NDF:1990560.0/14

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

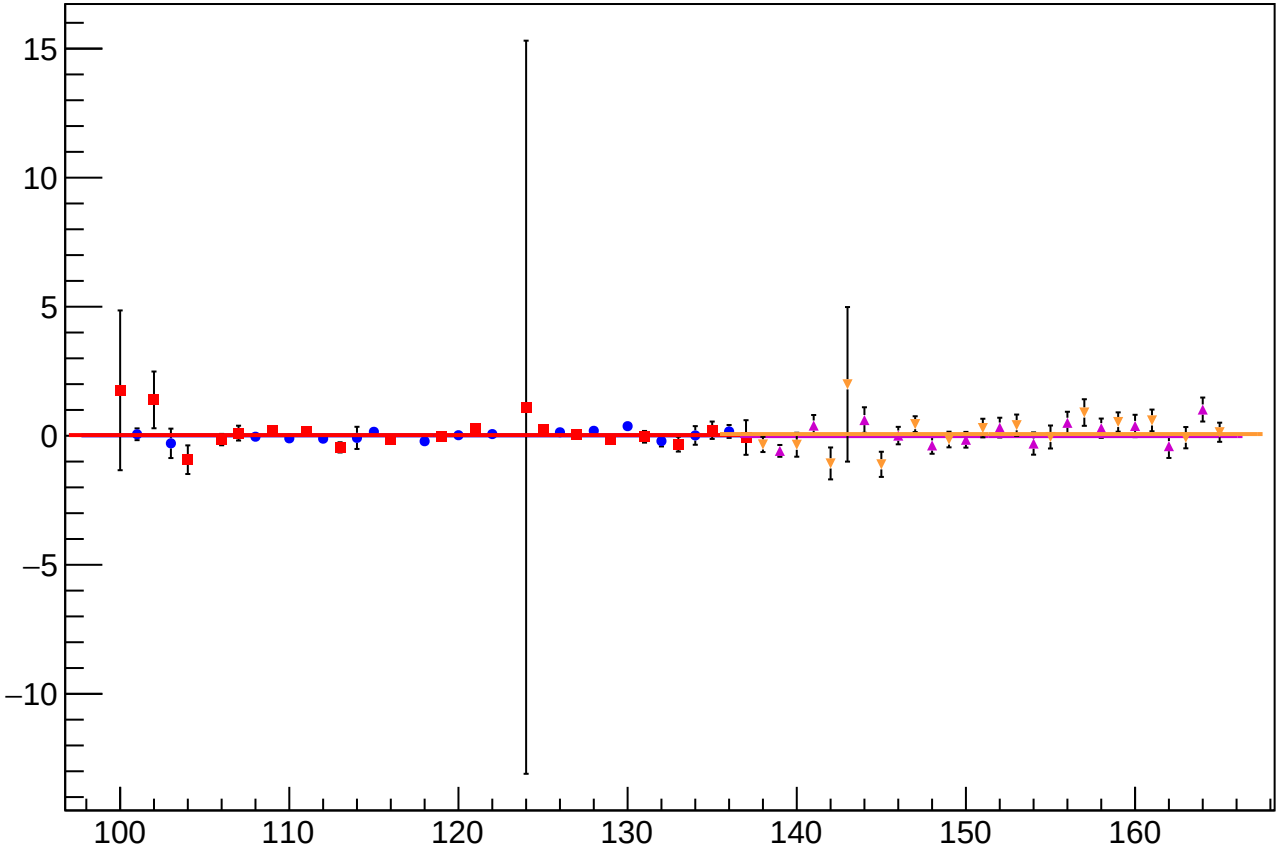
Left In: 321.923+/-0.072 χ^2/NDF:1122882.6/12

+ sign 156.364+/-0.031 χ^2/NDF: 11145482.4/30

All: 152.685+/-0.021 χ^2/NDF: 21566838.0/62

- sign 149.169+/-0.030 χ^2/NDF: 10393349.3/31

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: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

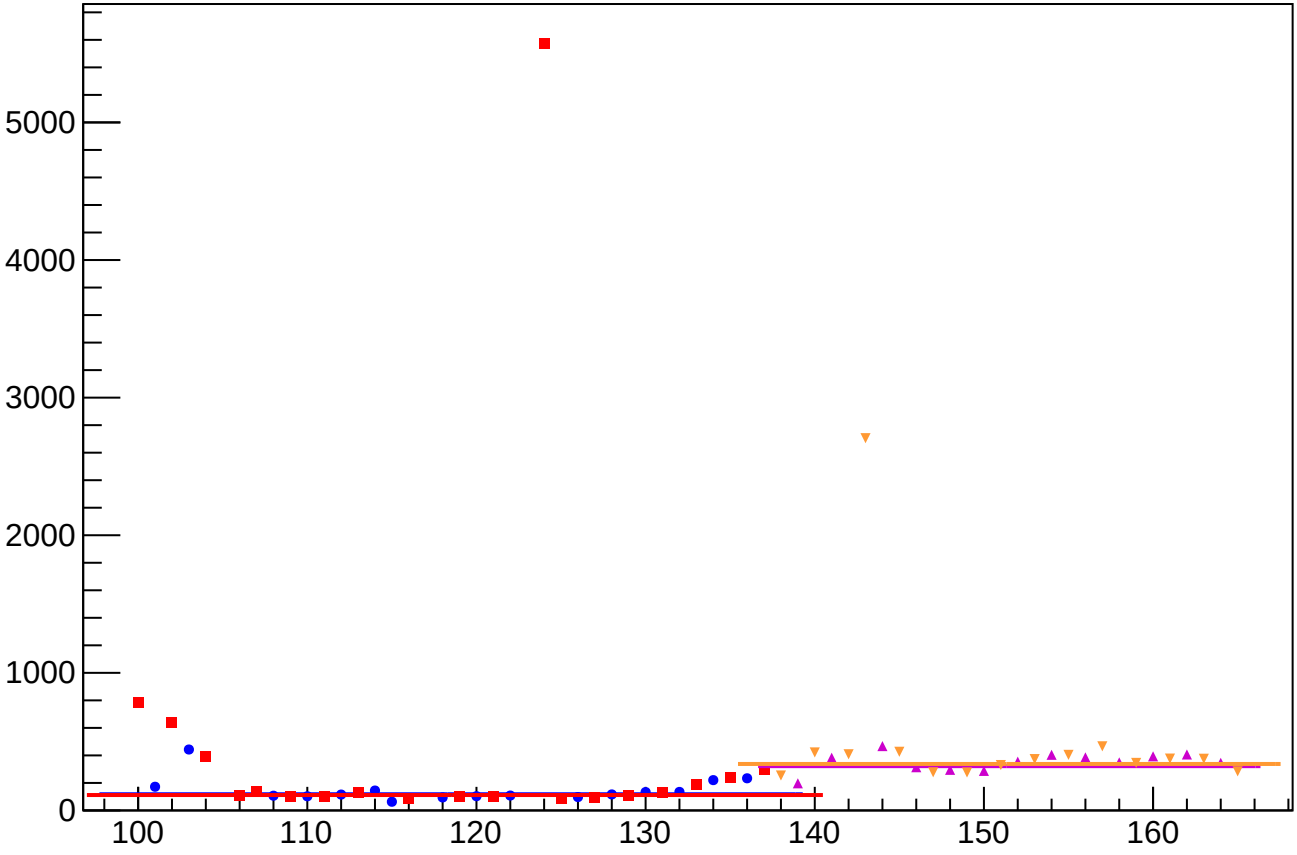
Left In: -0.014+/-0.101 χ^2/NDF:20.0/12

\+ sign 0.024+/-0.043 χ^2/NDF: 33.4/30

All: 0.021+/-0.030 χ^2/NDF: 75.6/62

\- sign 0.019+/-0.043 χ^2/NDF: 42.2/31

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 337.829+/-0.073 χ^2/NDF:1990560.0/14

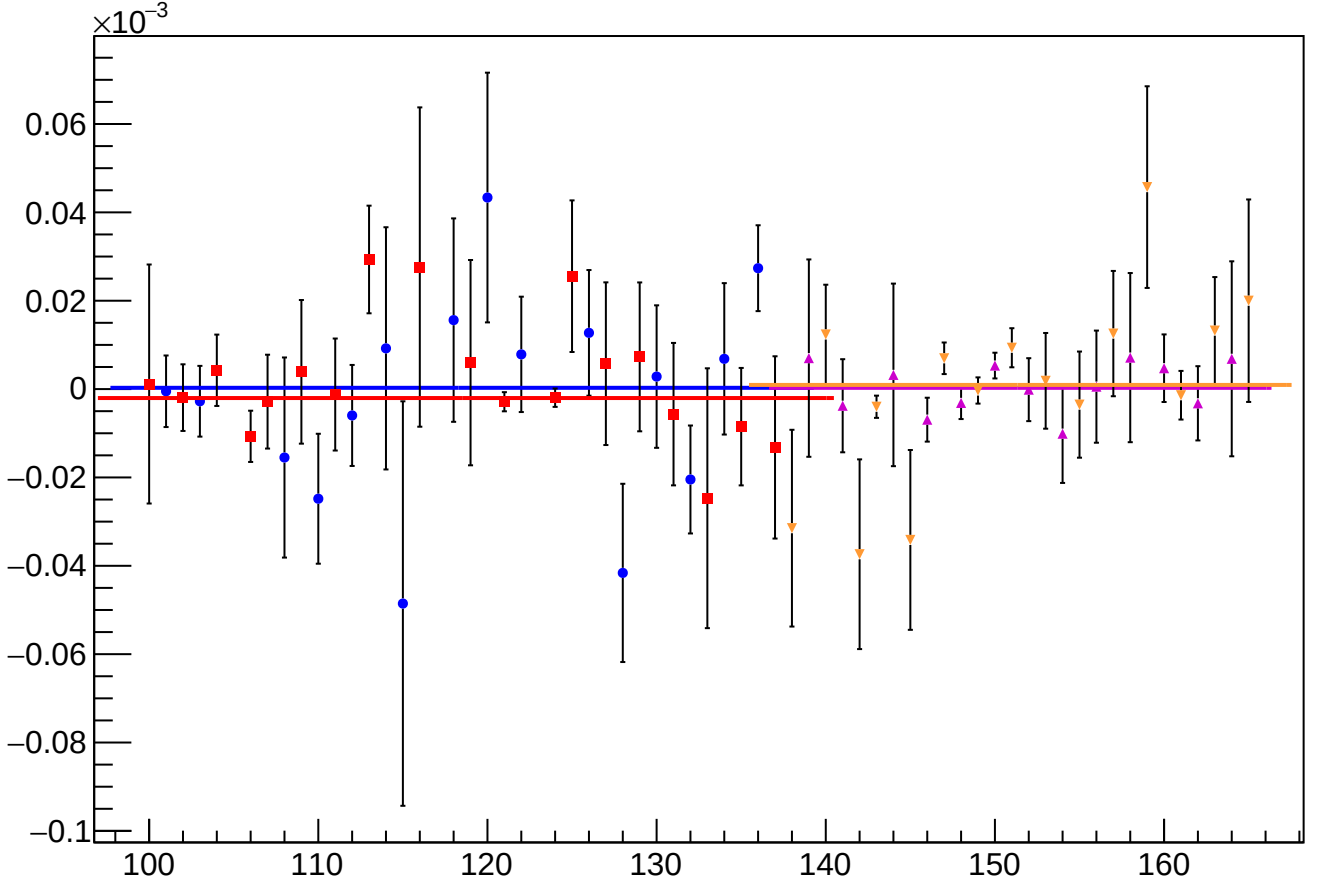
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 321.923+/-0.072 χ^2/NDF:1122882.6/12

+ sign 156.364+/-0.031 χ^2/NDF: 11145482.4/30

All: 152.685+/-0.021 χ^2/NDF: 21566838.0/62

- sign 149.169+/-0.030 χ^2/NDF: 10393349.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

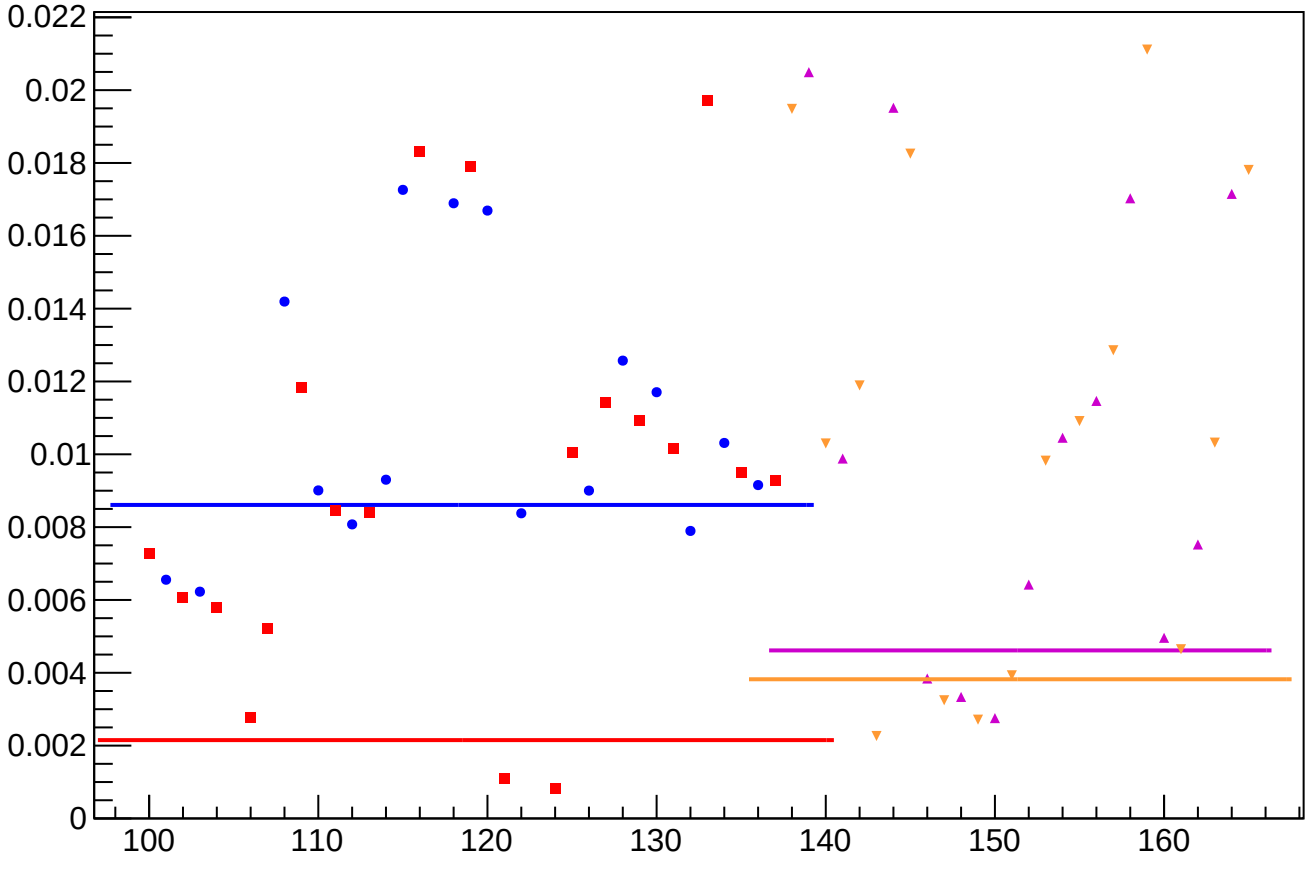
Left In: 0.000+/-0.000 χ^2/NDF:7.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/30

All: -0.000+/-0.000 χ^2/NDF: 75.6/62

- sign -0.000+/-0.000 χ^2/NDF: 23.7/31

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:8673542.2/14

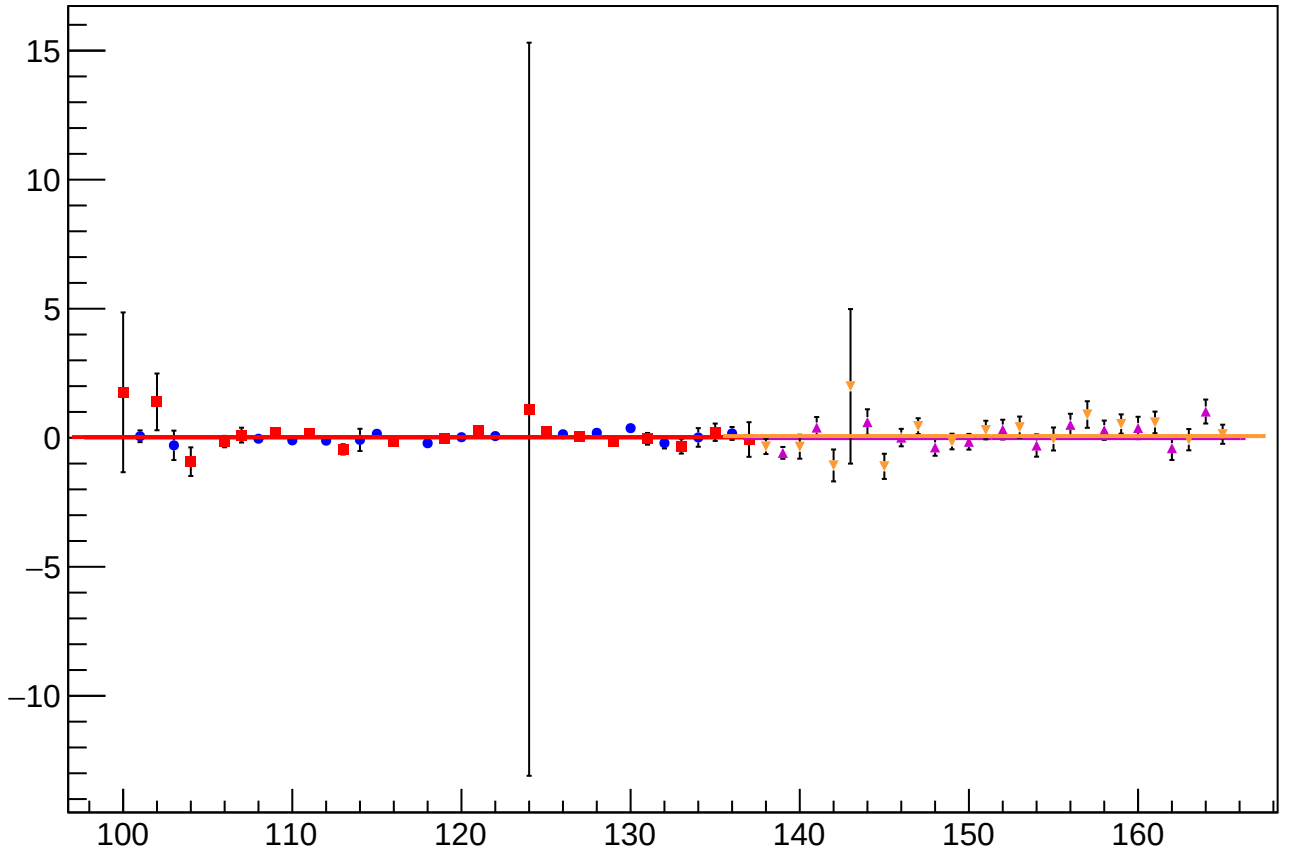
Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:6649721.2/12

+ sign 0.005+/-0.000 χ^2/NDF: 13190147.6/30

All: 0.004+/-0.000 χ^2/NDF: 32974698.2/62

- sign 0.003+/-0.000 χ^2/NDF: 18190281.2/31



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.065+/-0.104 χ^2/NDF:21.4/14

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

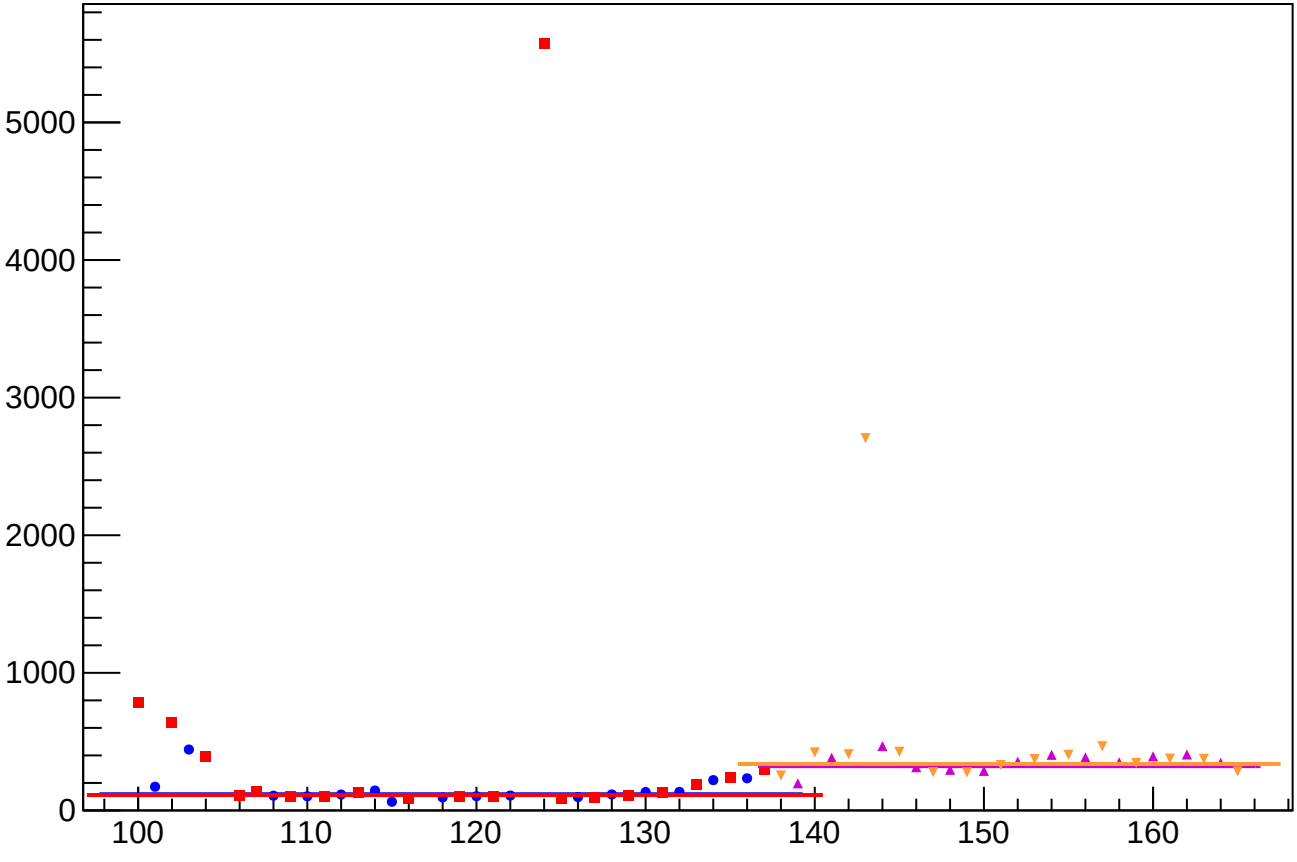
Left In: -0.014+/-0.101 χ^2/NDF:20.0/12

+ sign 0.024+/-0.043 χ^2/NDF: 33.4/30

All: 0.021+/-0.030 χ^2/NDF: 75.6/62

- sign 0.019+/-0.043 χ^2/NDF: 42.2/31

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 337.834+/-0.073 χ^2/NDF:1990591.8/14

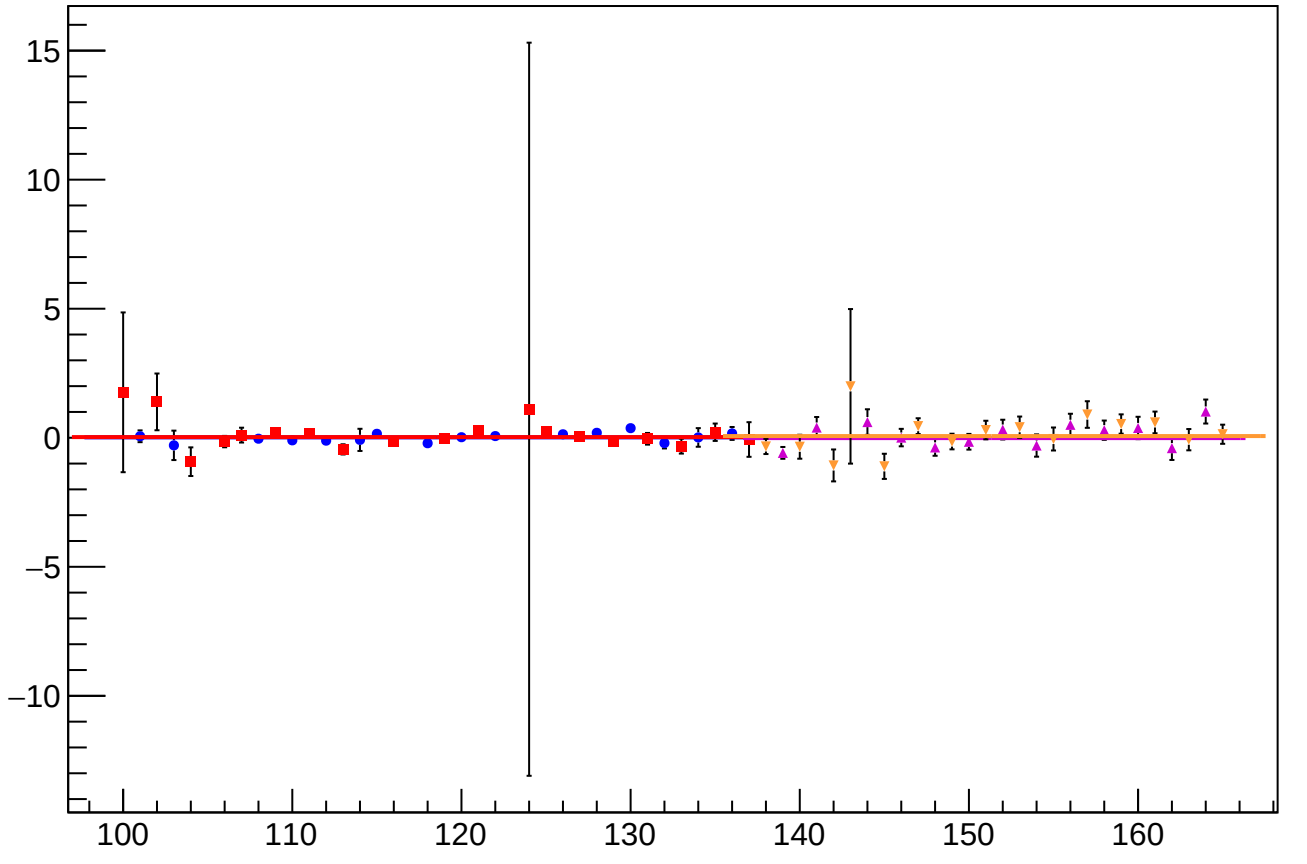
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 321.928+/-0.072 χ^2/NDF:1122886.7/12

+ sign 156.364+/-0.031 χ^2/NDF: 11145613.7/30

All: 152.686+/-0.021 χ^2/NDF: 21566895.1/62

- sign 149.171+/-0.030 χ^2/NDF: 10393291.1/31



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.065+/-0.104 χ^2/NDF:21.4/14

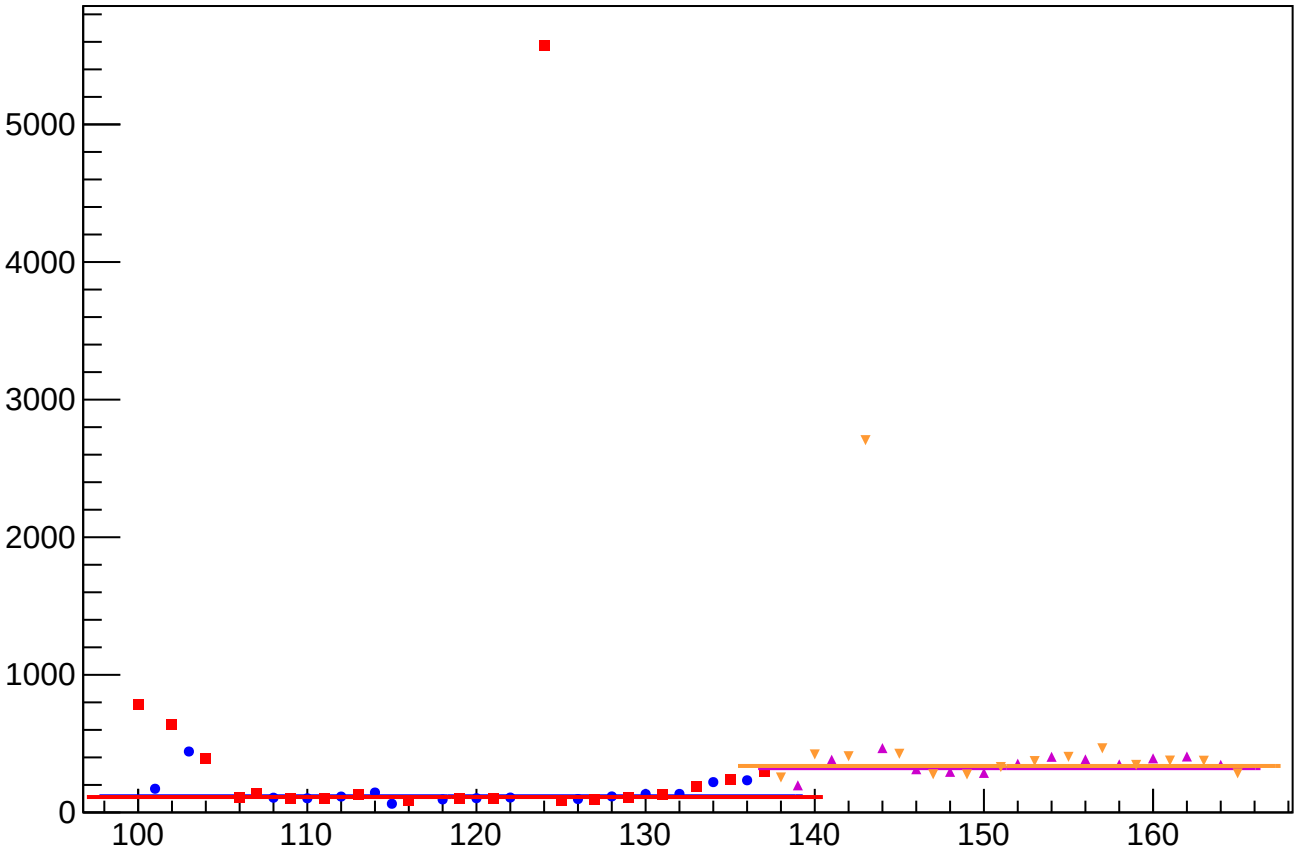
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.014+/-0.101 χ^2/NDF:20.0/12

+ sign 0.024+/-0.043 χ^2/NDF: 33.4/30

All: 0.021+/-0.030 χ^2/NDF: 75.6/62

- sign 0.019+/-0.043 χ^2/NDF: 42.2/31



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 337.834+/-0.073 χ^2/NDF:1990591.8/14

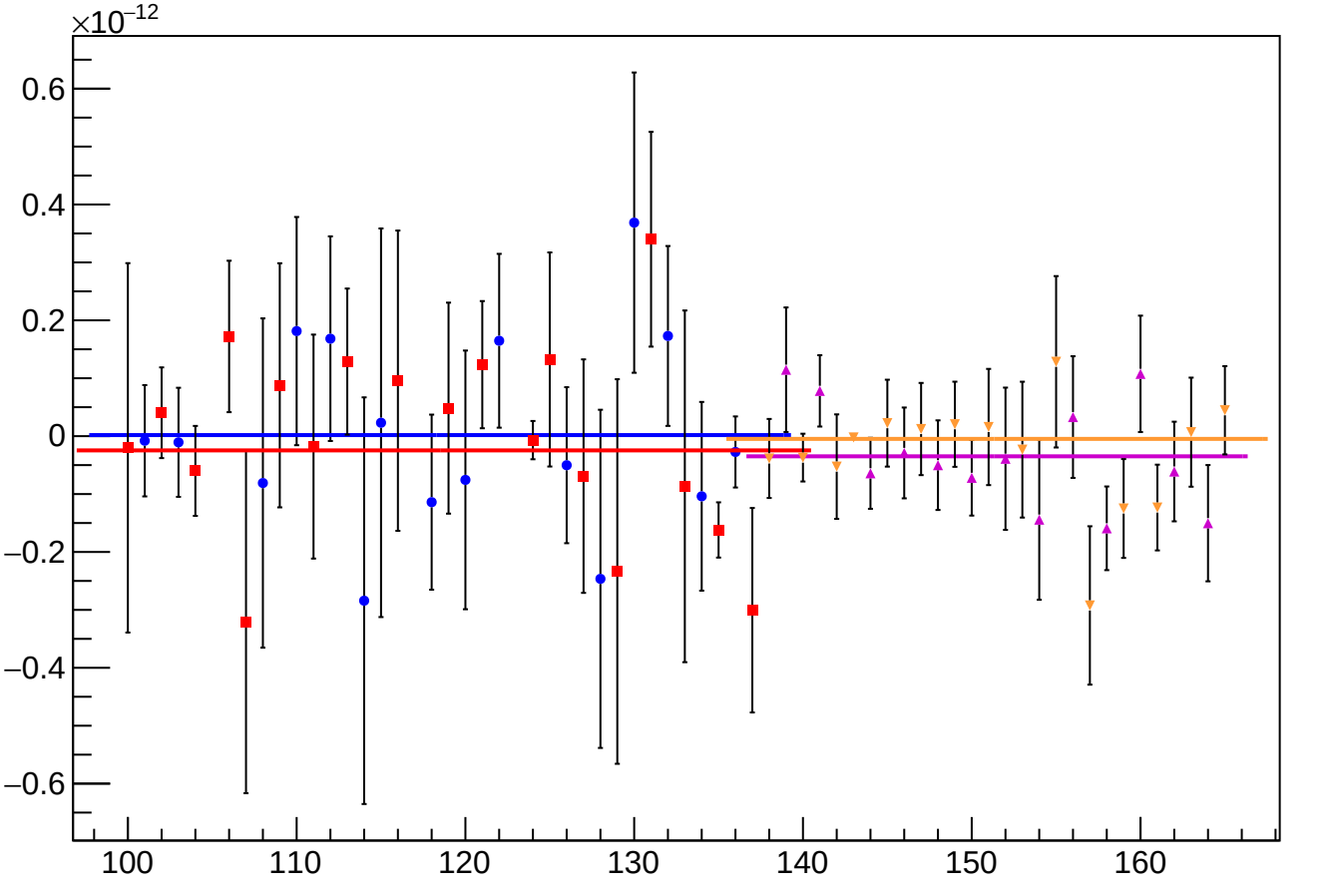
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

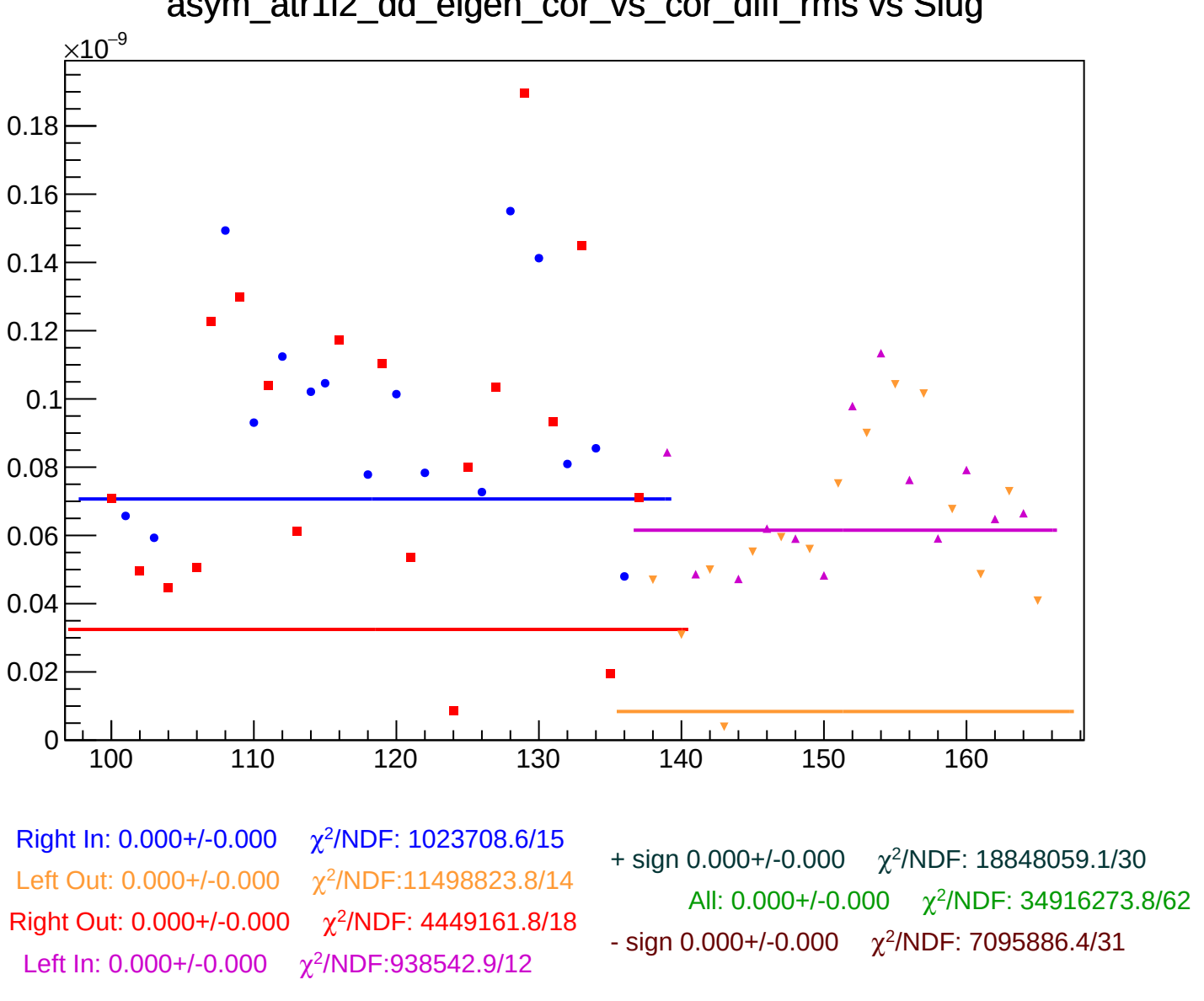
Left In: 321.928+/-0.072 χ^2/NDF:1122886.7/12

+ sign 156.364+/-0.031 χ^2/NDF: 11145613.7/30

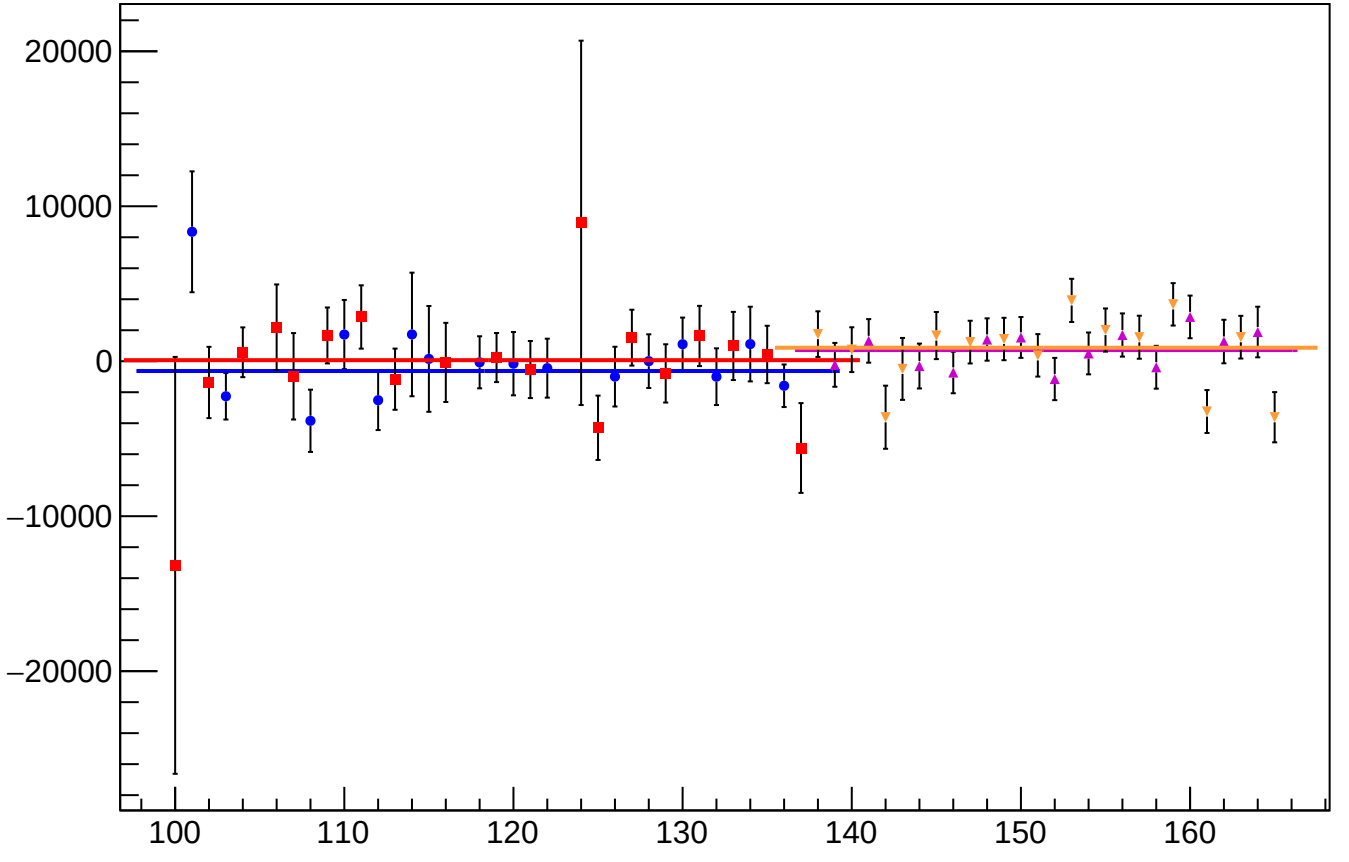
All: 152.686+/-0.021 χ^2/NDF: 21566895.1/62

- sign 149.171+/-0.030 χ^2/NDF: 10393291.1/31


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:11.9/14
Right Out: -0.000+/-0.000 χ²/NDF: 24.2/18
Left In: -0.000+/-0.000 χ²/NDF:13.3/12
+ sign -0.000+/-0.000 χ²/NDF: 21.0/30
All: -0.000+/-0.000 χ²/NDF: 60.8/62
- sign -0.000+/-0.000 χ²/NDF: 37.7/31


asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:11498823.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:938542.9/12
+ sign 0.000+/-0.000 χ²/NDF: 18848059.1/30
All: 0.000+/-0.000 χ²/NDF: 34916273.8/62
- sign 0.000+/-0.000 χ²/NDF: 7095886.4/31

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.075+/-378.768 χ^2/NDF:33.0/14

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

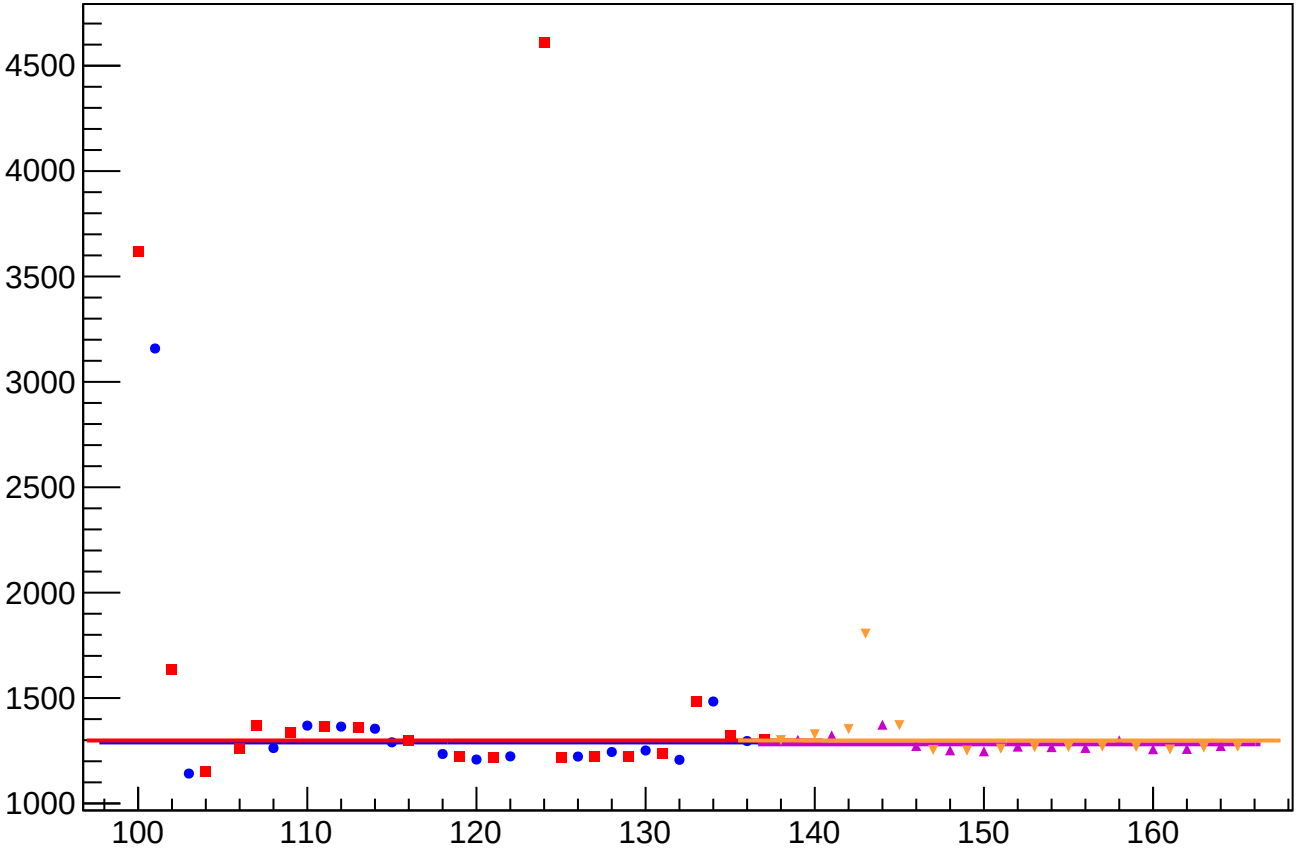
Left In: 720.669+/-386.715 χ^2/NDF:9.0/12

+ sign 307.313+/-299.368 χ^2/NDF: 52.8/30

All: 386.985+/-212.968 χ^2/NDF: 78.9/62

- sign 468.618+/-303.030 χ^2/NDF: 26.0/31

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

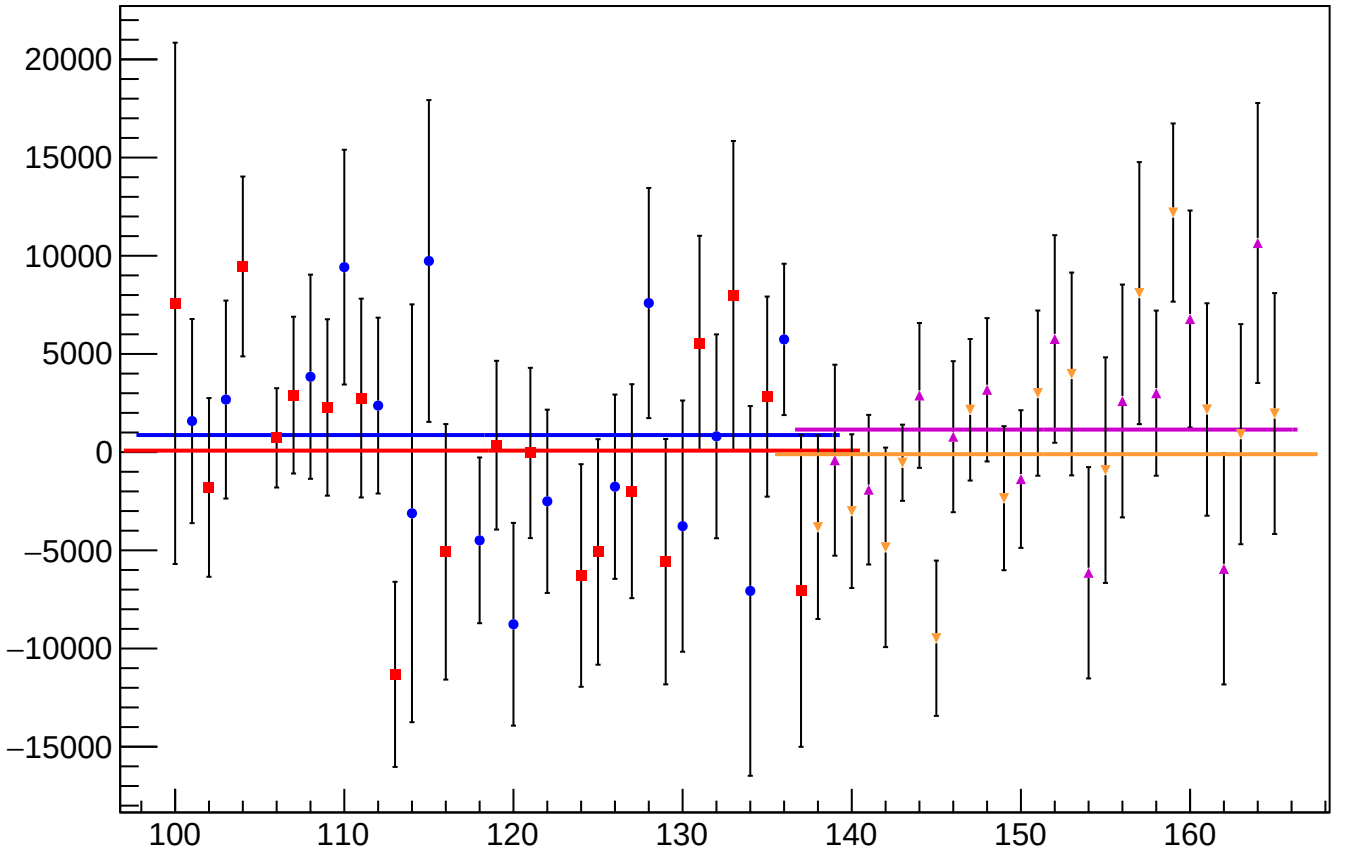
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1295.157+/-0.212 χ^2/NDF: 664480.9/30

All: 1291.375+/-0.151 χ^2/NDF: 1001028.9/62

- sign 1287.508+/-0.214 χ^2/NDF: 335902.4/31



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -103.709+/-1043.226 χ^2/NDF:18.9/14

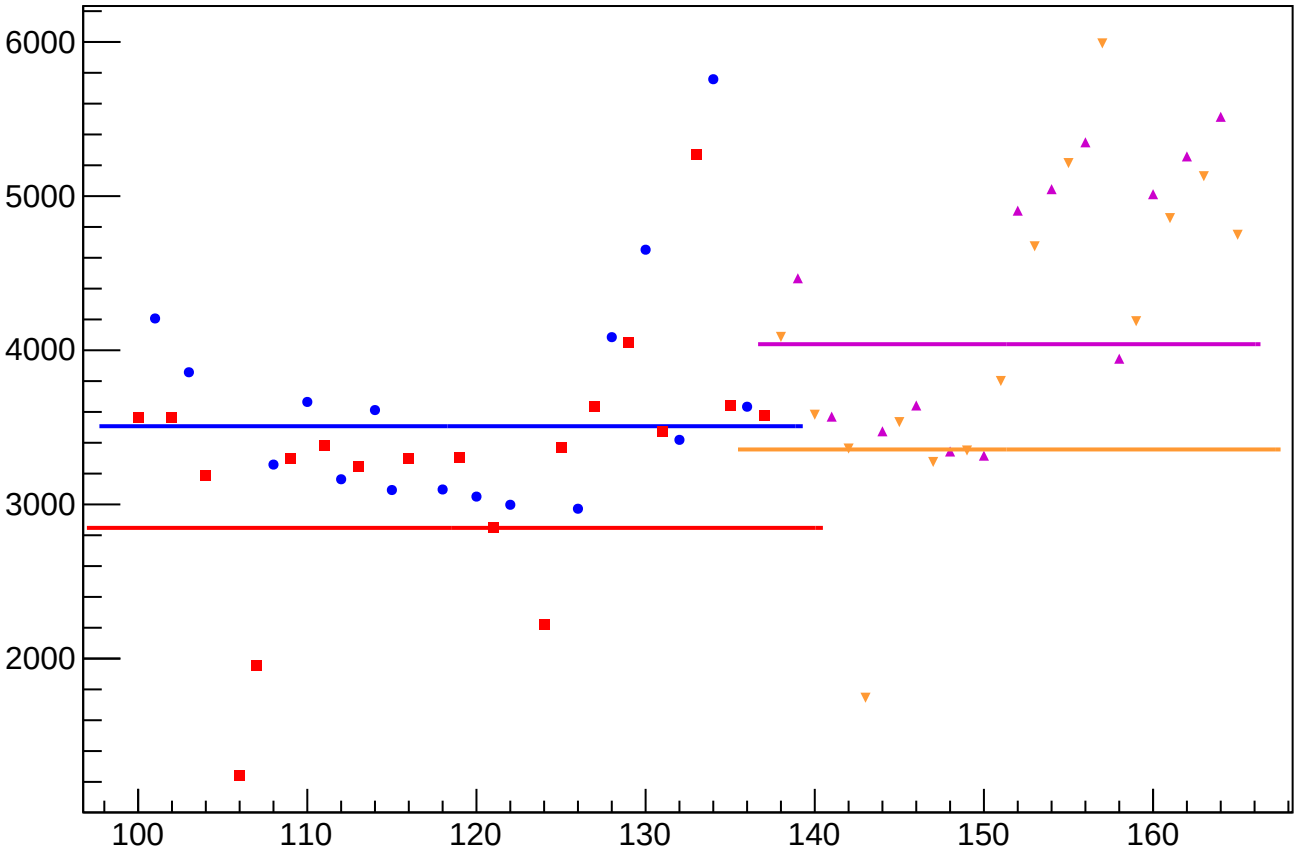
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1148.780+/-1244.618 χ^2/NDF:8.9/12

\+ sign 268.926+/-819.726 χ^2/NDF: 33.2/30

All: 409.145+/-582.835 χ^2/NDF: 61.0/62

\- sign 552.505+/-828.856 χ^2/NDF: 27.7/31



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3356.570+/-0.738 χ^2/NDF:2637283.8/14

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

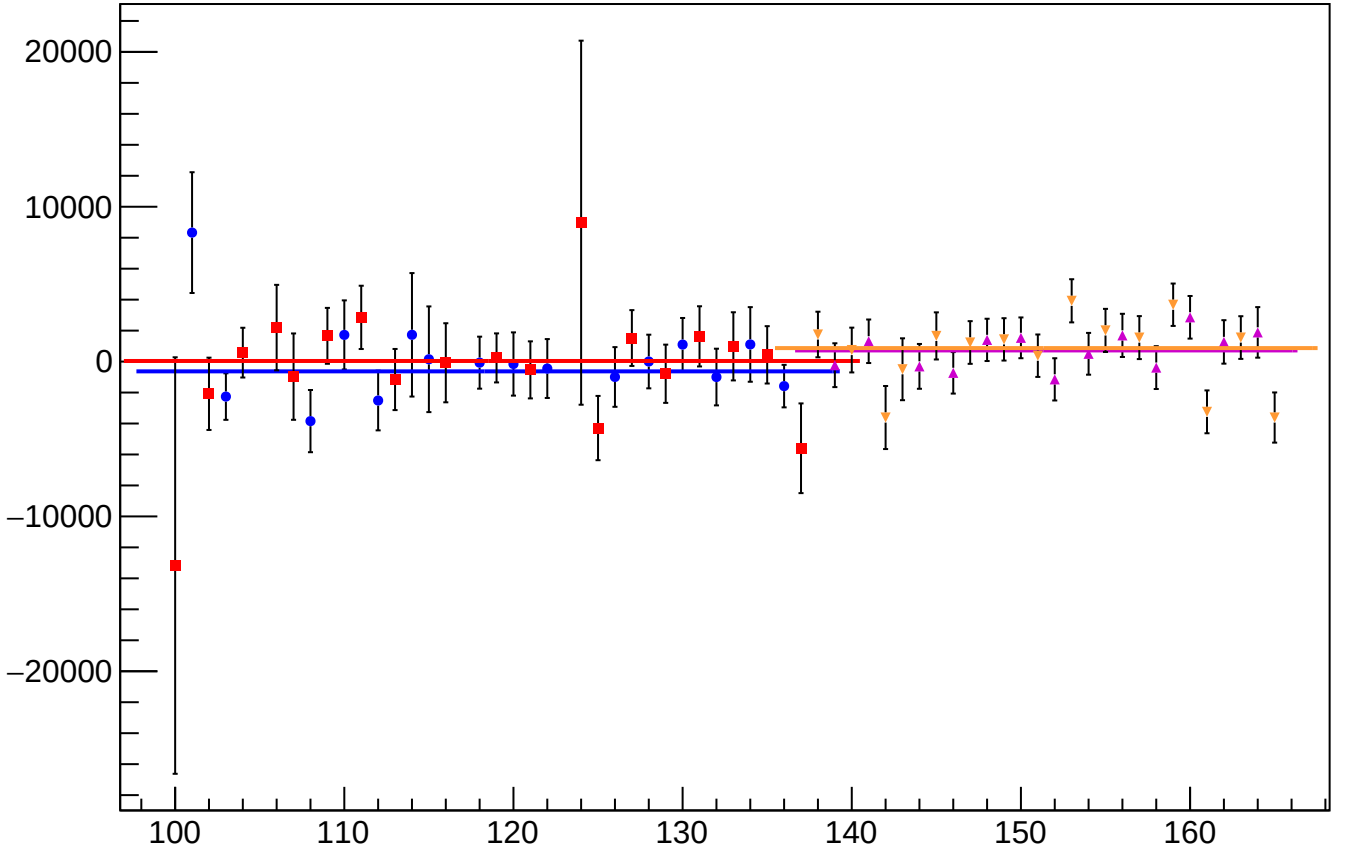
Left In: 4039.434+/-0.880 χ^2/NDF:727696.0/12

+ sign 3414.273+/-0.580 χ^2/NDF: 3007256.9/30

All: 3395.496+/-0.412 χ^2/NDF: 6256663.1/62

- sign 3376.298+/-0.586 χ^2/NDF: 3247283.8/31

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

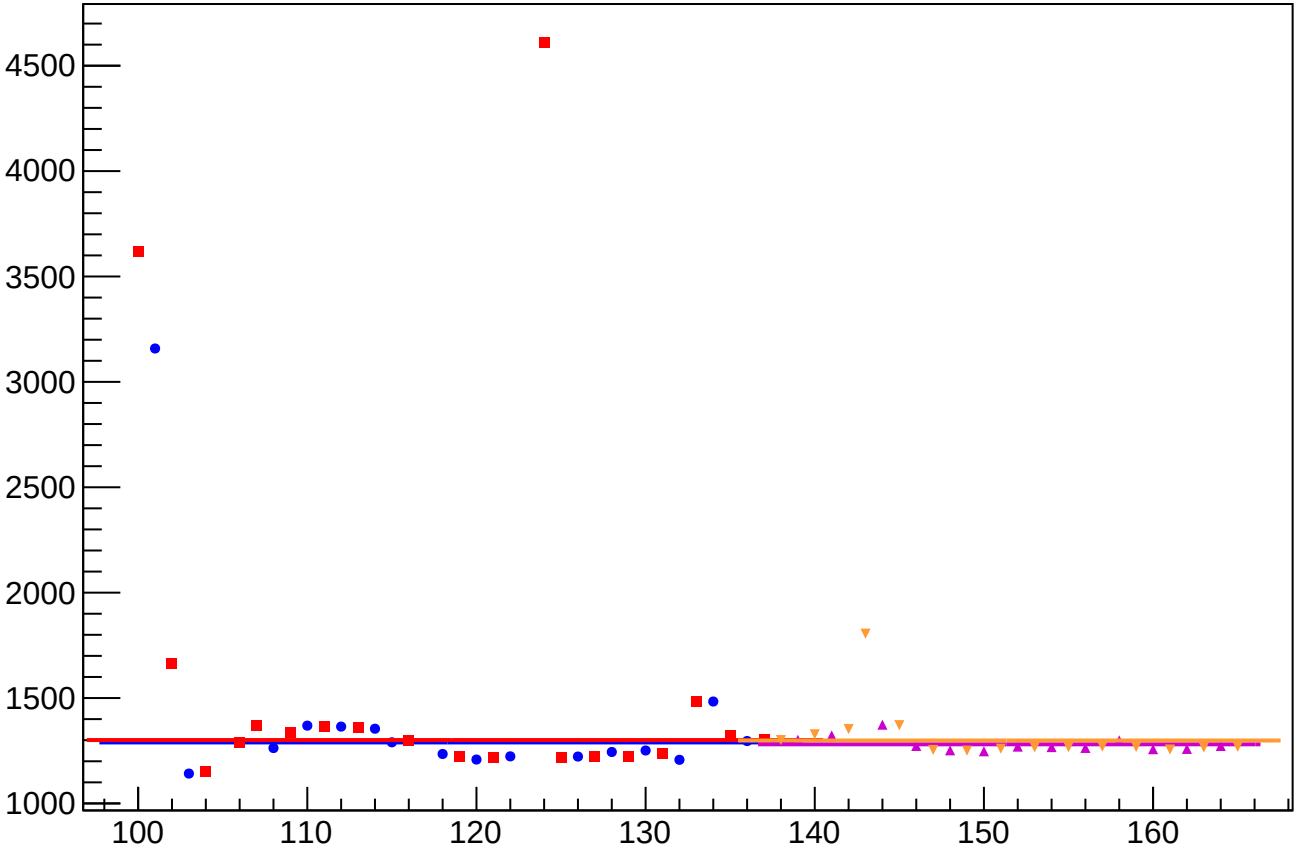
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 307.176+/-299.368 χ^2/NDF: 52.8/30

All: 381.468+/-212.995 χ^2/NDF: 79.4/62

- sign 457.628+/-303.107 χ^2/NDF: 26.6/31

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

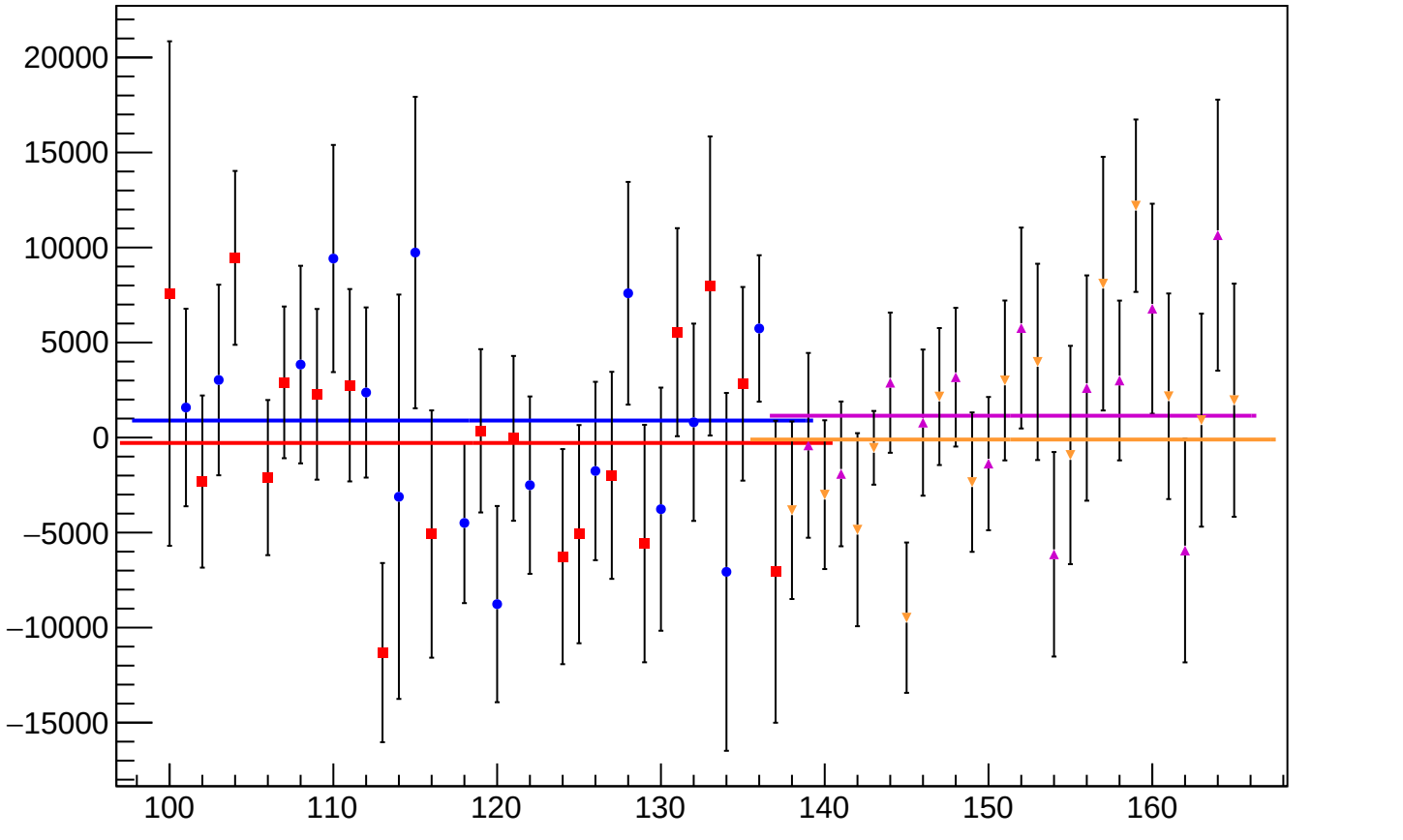
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1295.157+/-0.212 χ^2/NDF: 664482.4/30

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62

- sign 1288.280+/-0.214 χ^2/NDF: 342835.0/31



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -103.617+/-1043.224 χ^2/NDF:18.9/14

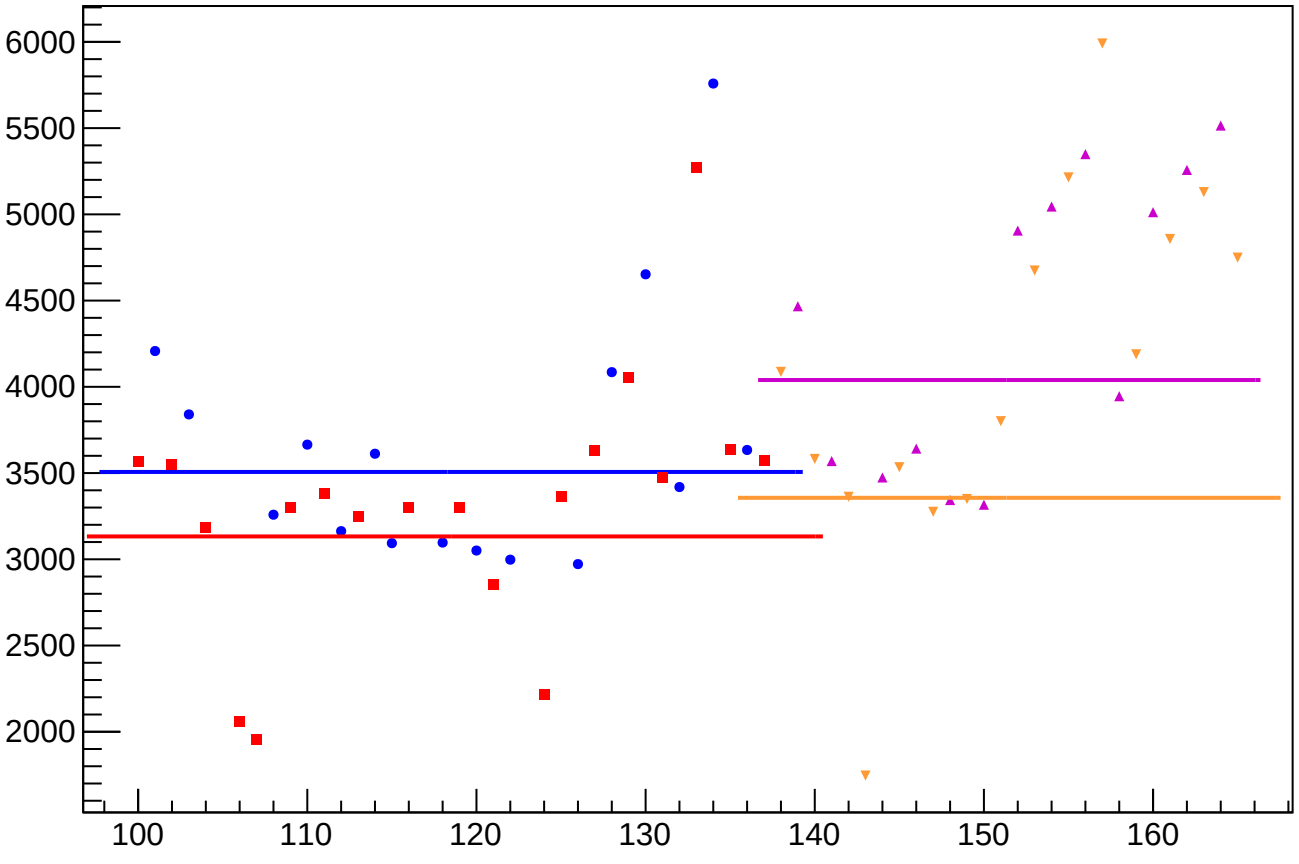
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1148.822+/-1244.617 χ^2/NDF:8.9/12

+ sign 278.985+/-819.617 χ^2/NDF: 33.3/30

All: 334.939+/-592.506 χ^2/NDF: 61.6/62

- sign 396.190+/-857.528 χ^2/NDF: 28.2/31



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

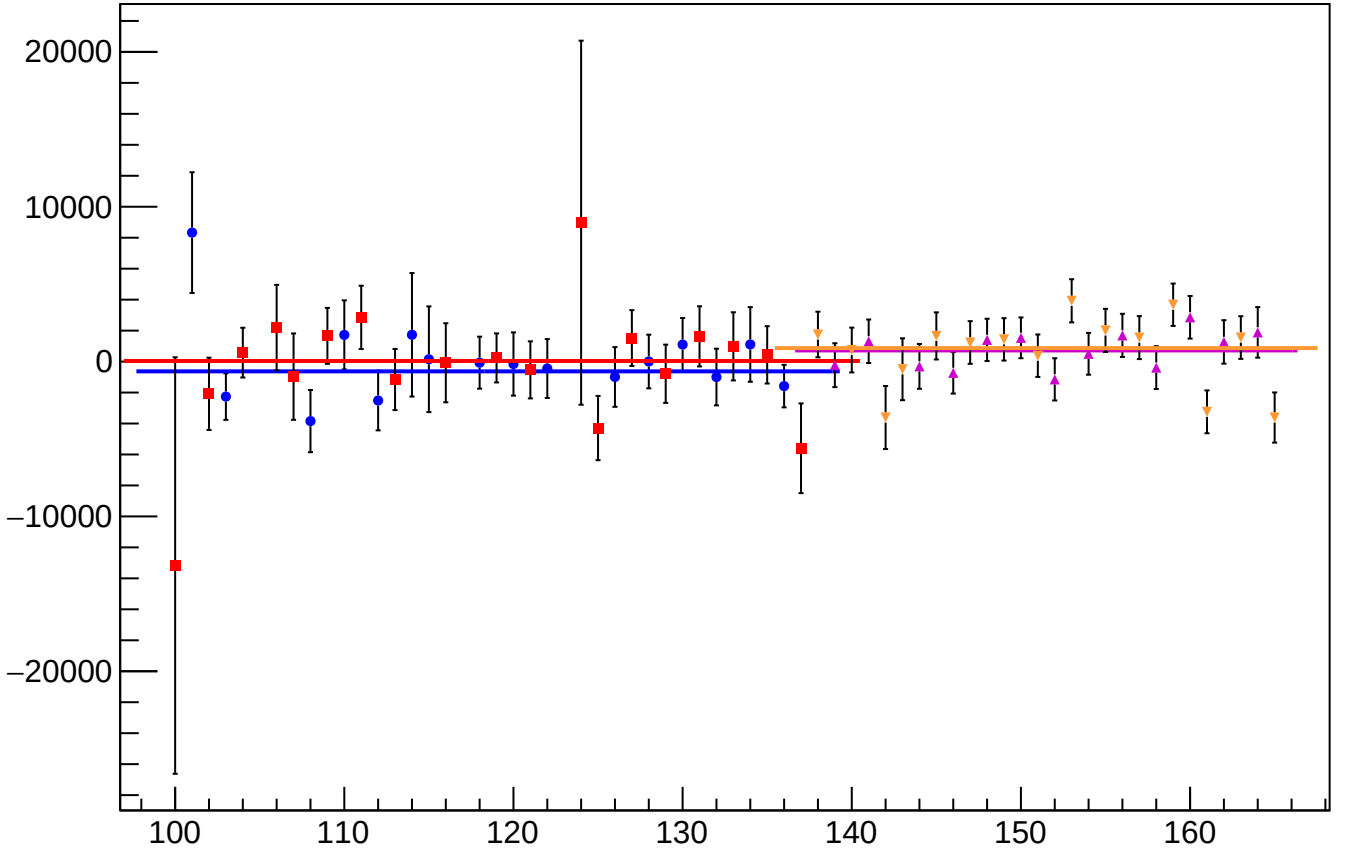
Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

+ sign 3413.942+/-0.580 χ^2/NDF: 3006353.9/30

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62

- sign 3563.071+/-0.606 χ^2/NDF: 1935039.9/31

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: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

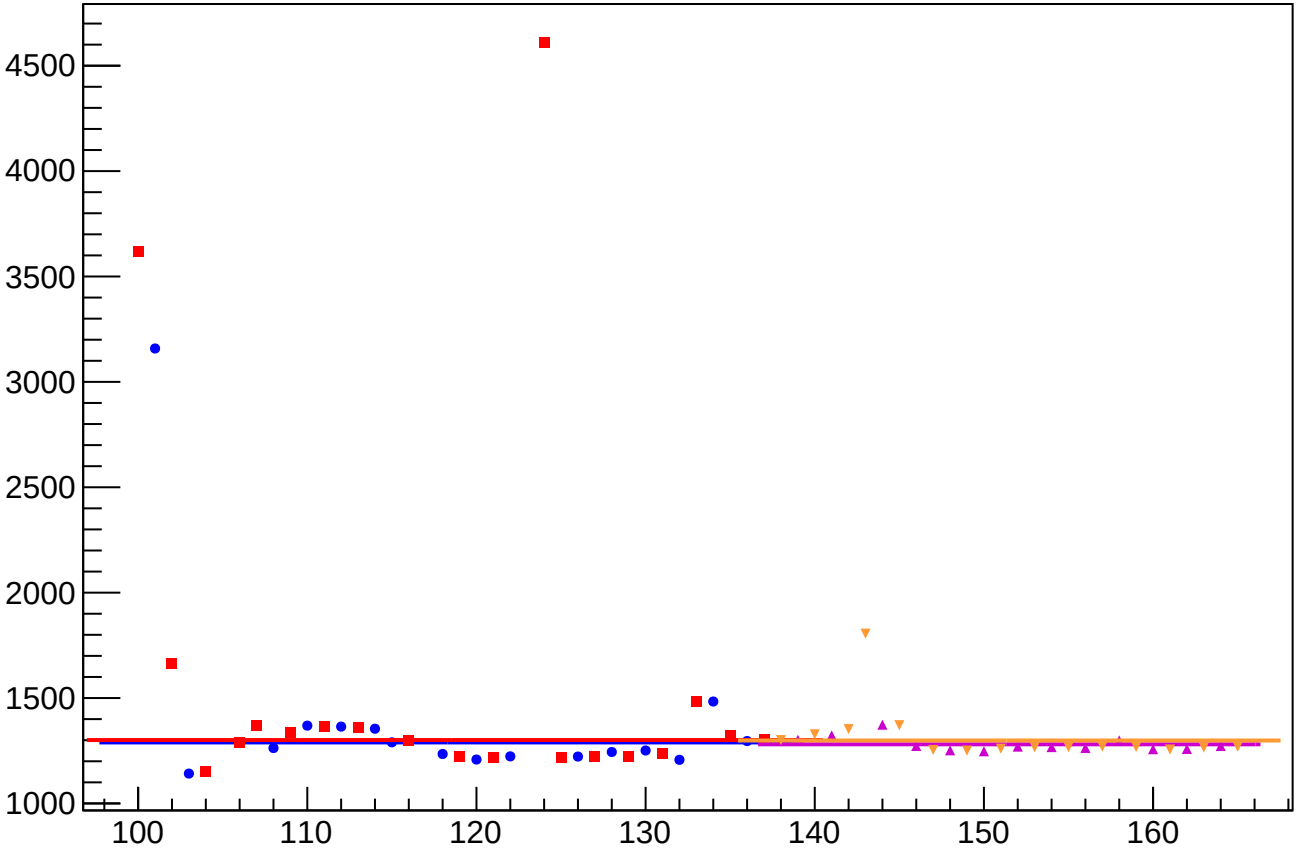
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 307.176+/-299.368 χ^2/NDF: 52.8/30

All: 381.468+/-212.995 χ^2/NDF: 79.4/62

- sign 457.628+/-303.107 χ^2/NDF: 26.6/31

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: 1298.576+/-0.268 χ^2/NDF:149371.6/14

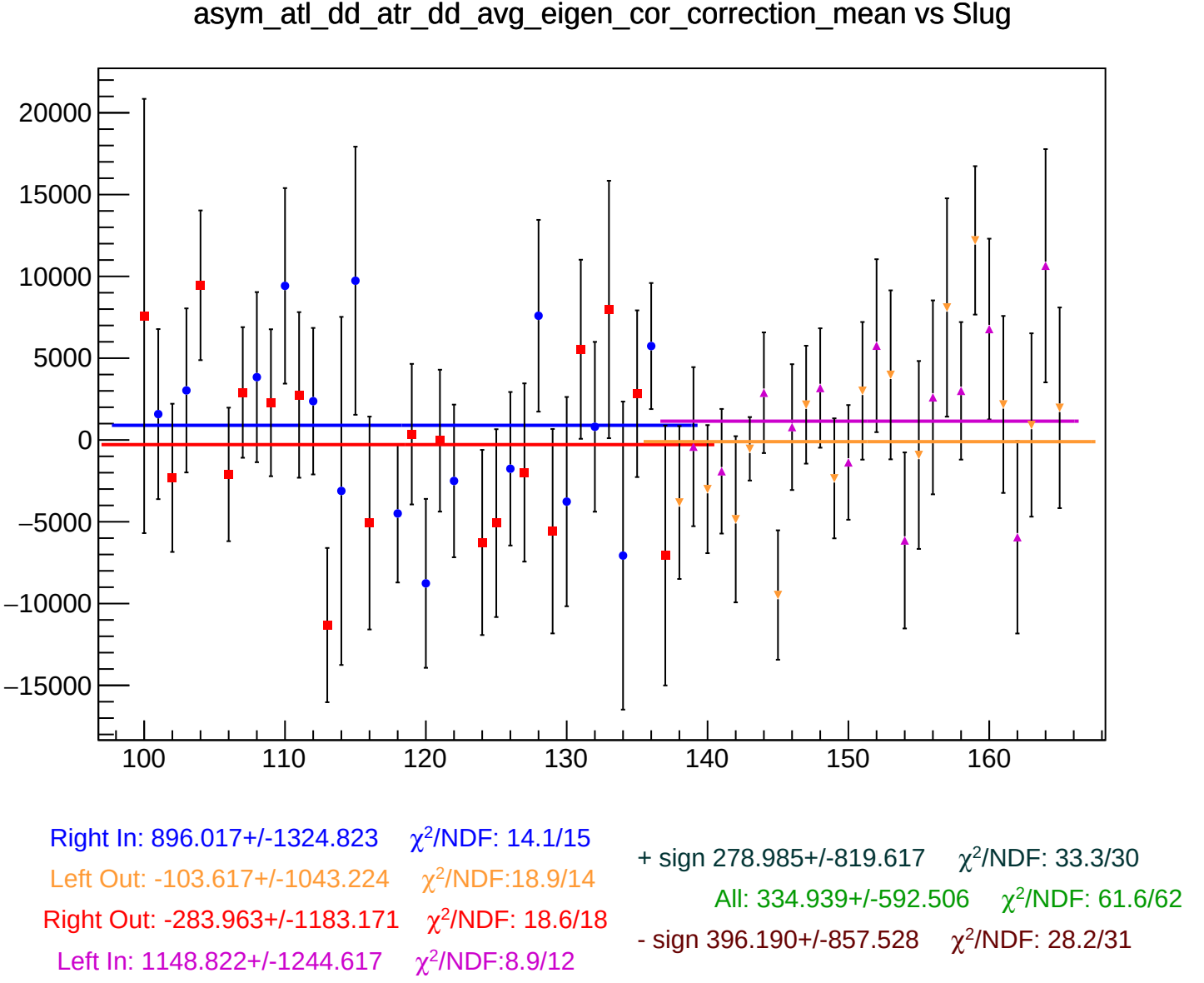
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

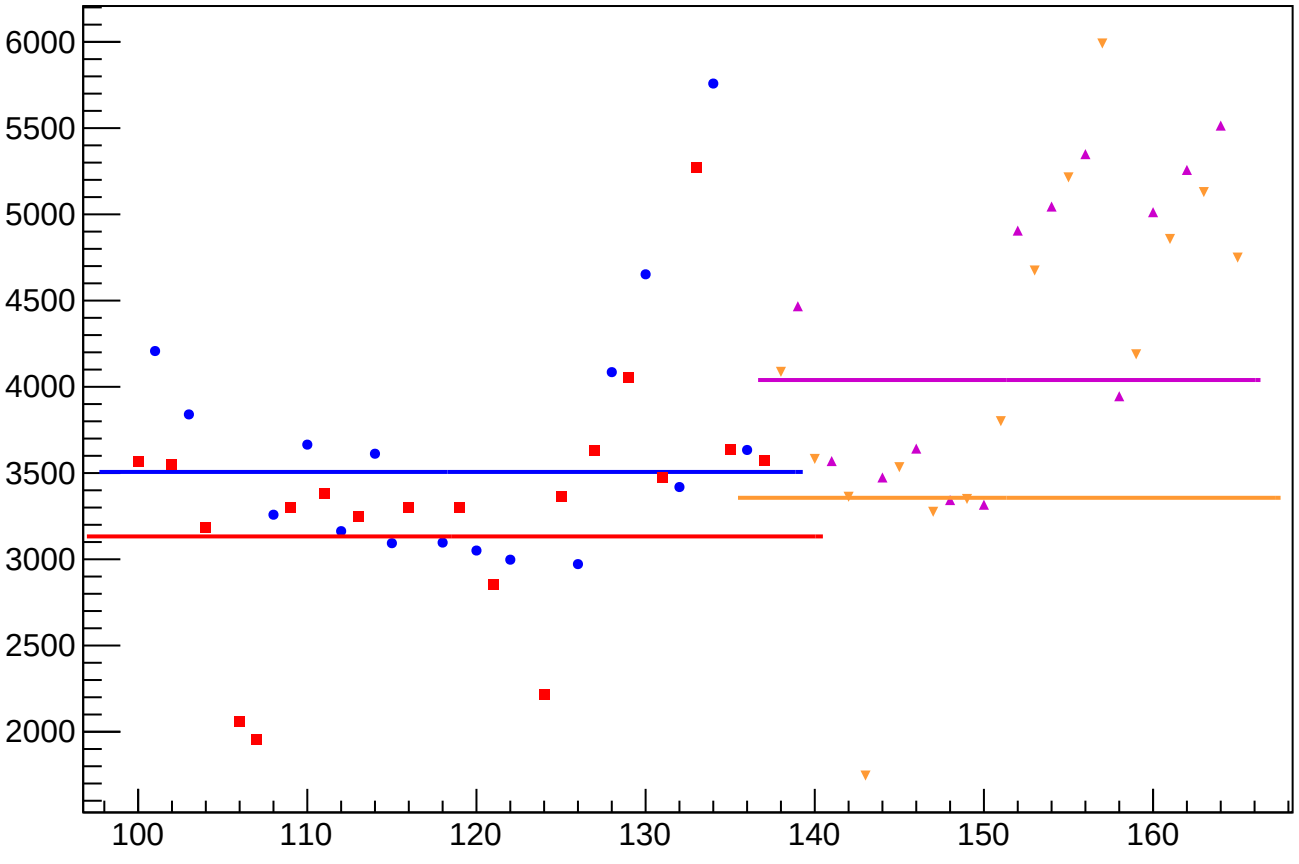
Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1295.157+/-0.212 χ^2/NDF: 664482.4/30

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62

- sign 1288.280+/-0.214 χ^2/NDF: 342835.0/31


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1148.822+/-1244.617 χ²/NDF:8.9/12
+ sign 278.985+/-819.617 χ²/NDF: 33.3/30
All: 334.939+/-592.506 χ²/NDF: 61.6/62
- sign 396.190+/-857.528 χ²/NDF: 28.2/31



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

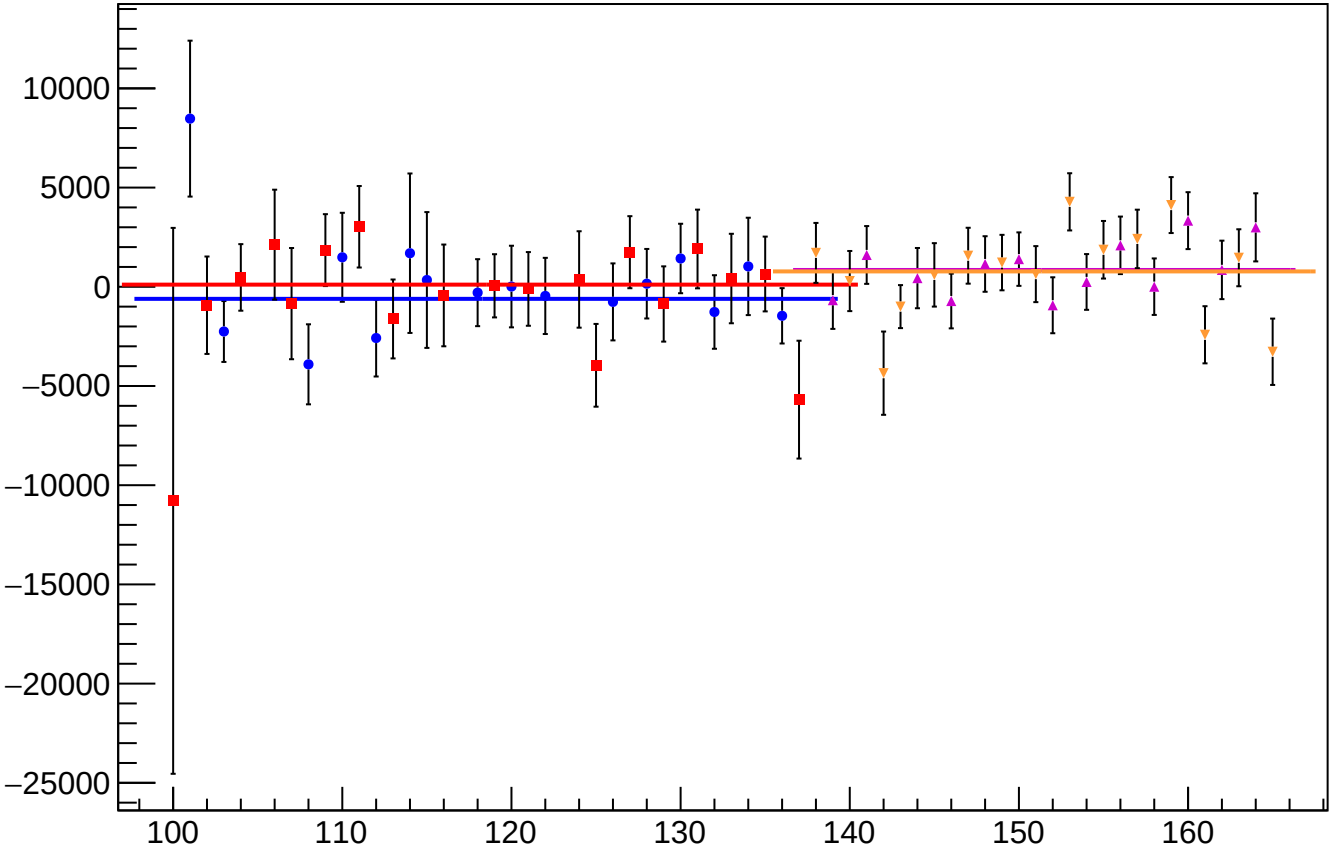
Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

\+ sign 3413.942+/-0.580 χ^2/NDF: 3006353.9/30

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62

\- sign 3563.071+/-0.606 χ^2/NDF: 1935039.9/31

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.962+/-375.142 χ^2/NDF:33.9/14

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

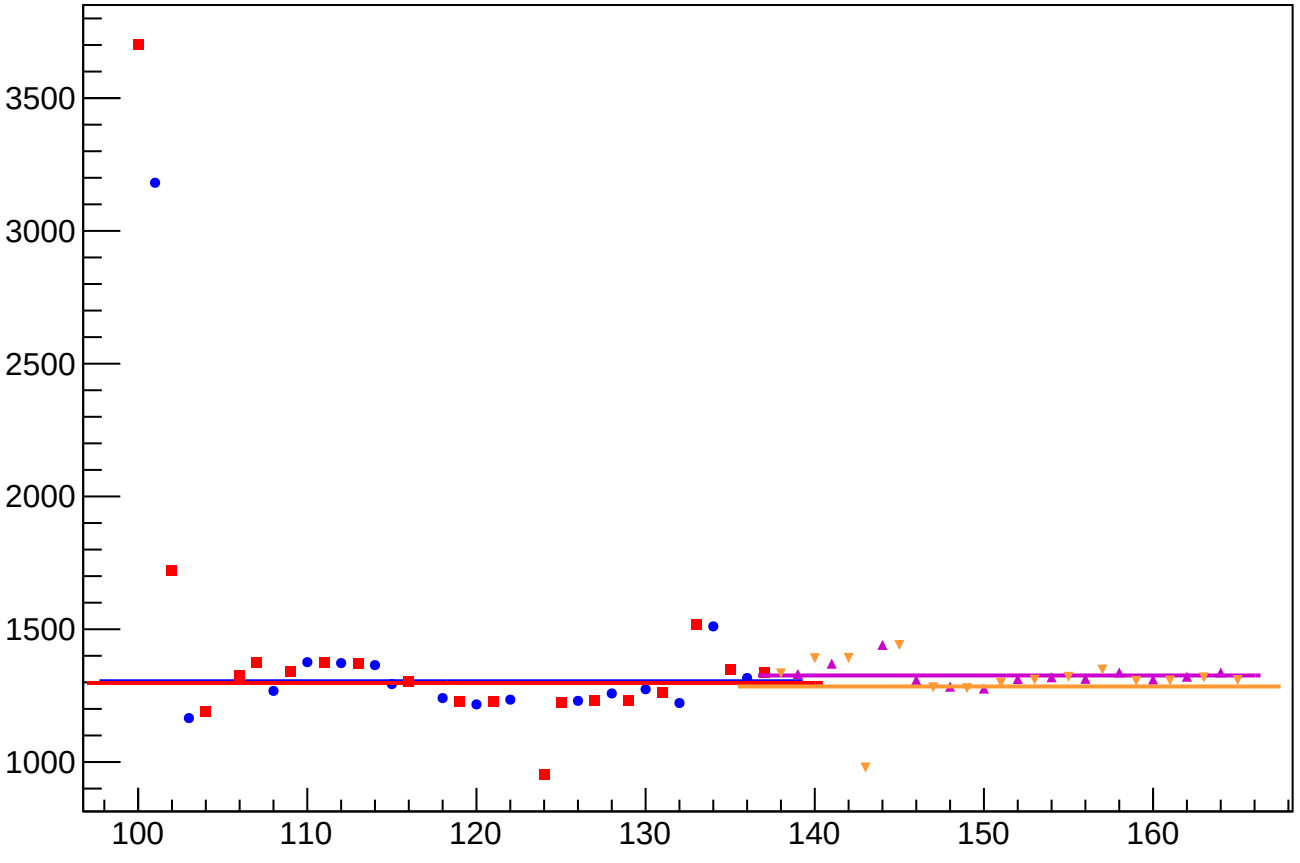
Left In: 847.227+/-400.519 χ^2/NDF:10.4/12

+ sign 269.431+/-298.801 χ^2/NDF: 53.0/30

All: 404.132+/-214.789 χ^2/NDF: 80.1/62

- sign 548.156+/-308.969 χ^2/NDF: 26.6/31

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.504+/-0.265 χ^2/NDF:203047.1/14

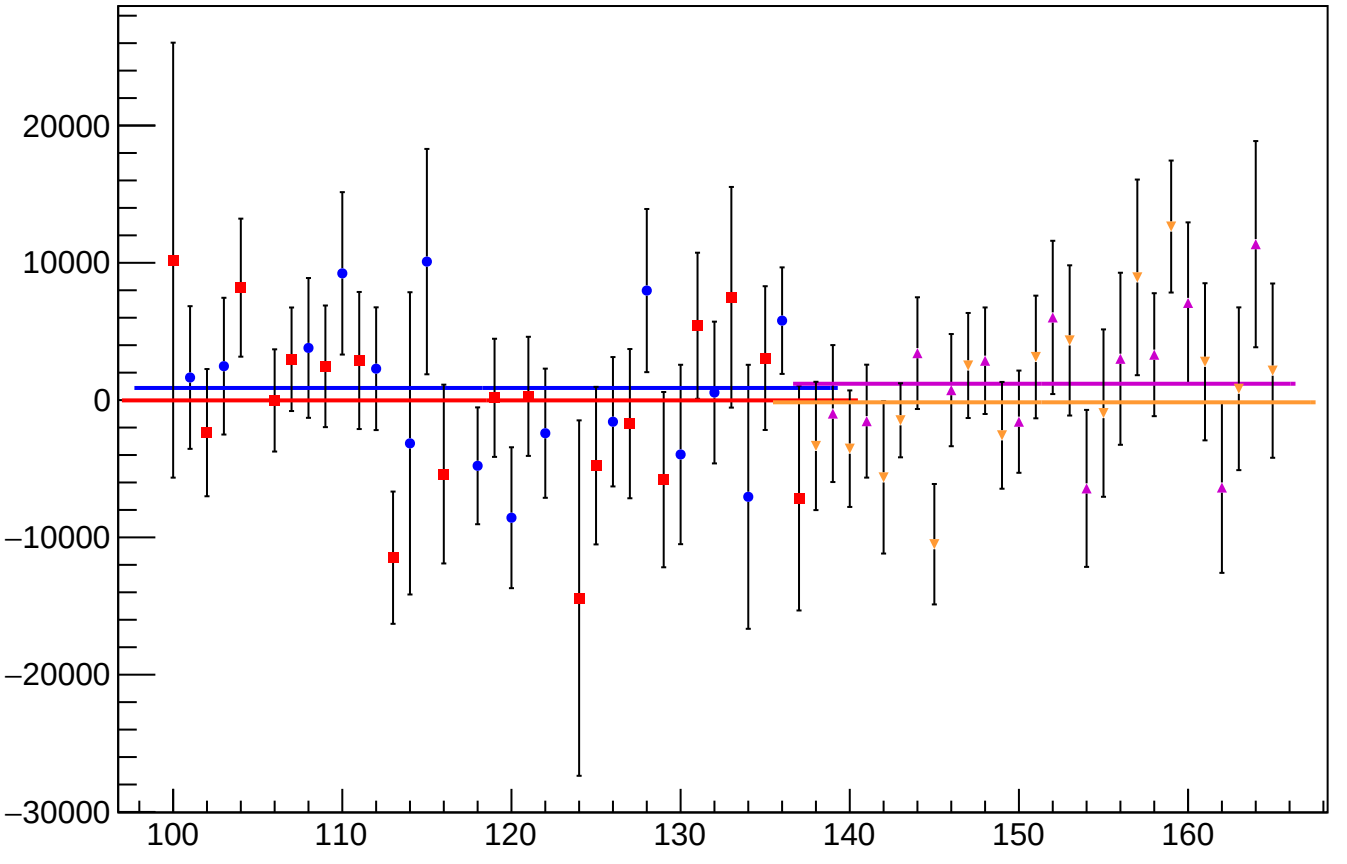
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

+ sign 1291.669+/-0.211 χ^2/NDF: 715632.2/30

All: 1302.720+/-0.152 χ^2/NDF: 957404.8/62

- sign 1314.530+/-0.218 χ^2/NDF: 236112.9/31



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -160.912+/-1182.786 χ^2/NDF:19.1/14

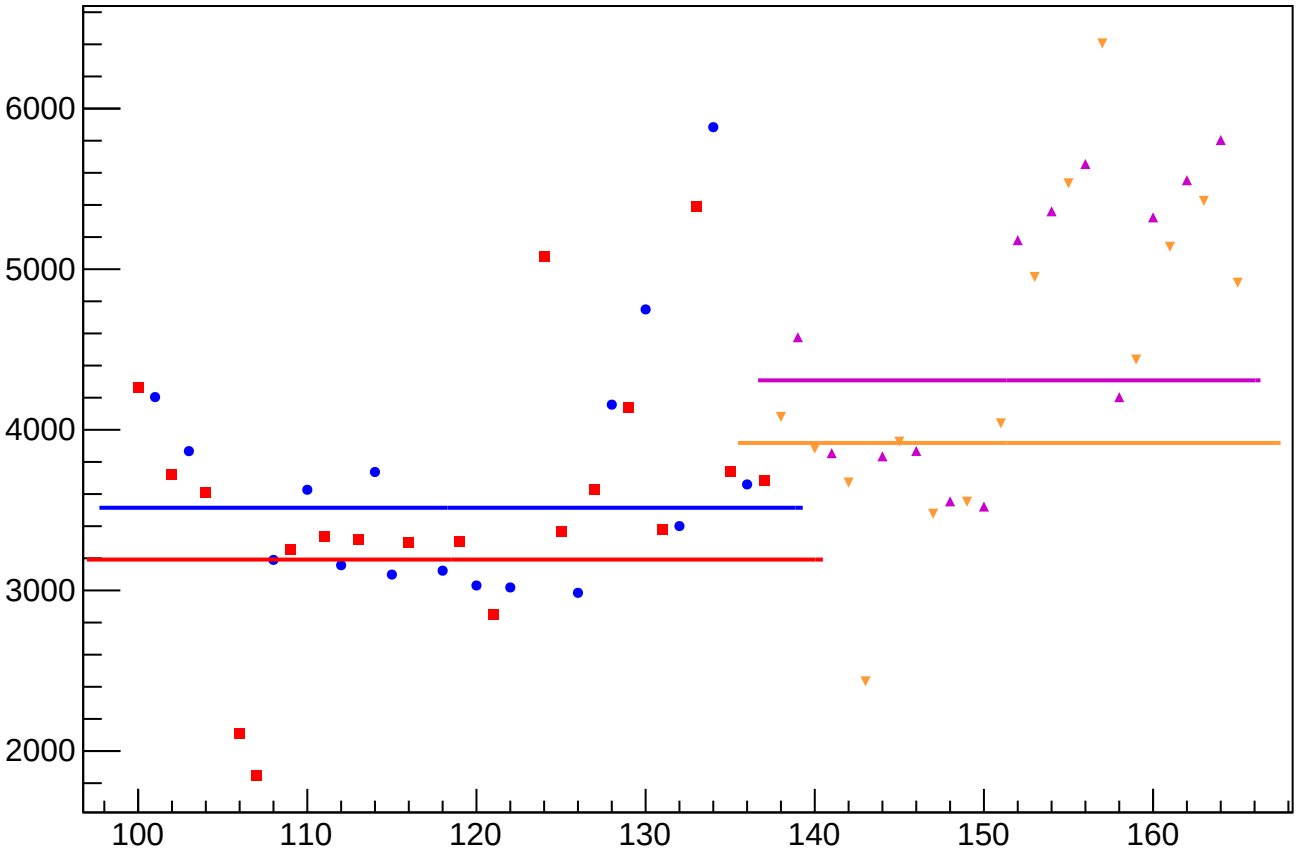
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1191.323+/-1325.927 χ^2/NDF:8.8/12

+ sign 301.571+/-883.075 χ^2/NDF: 33.6/30

All: 412.474+/-626.768 χ^2/NDF: 59.7/62

- sign 525.055+/-889.732 χ^2/NDF: 26.1/31



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3918.319+/-0.836 χ^2/NDF:1406365.2/14

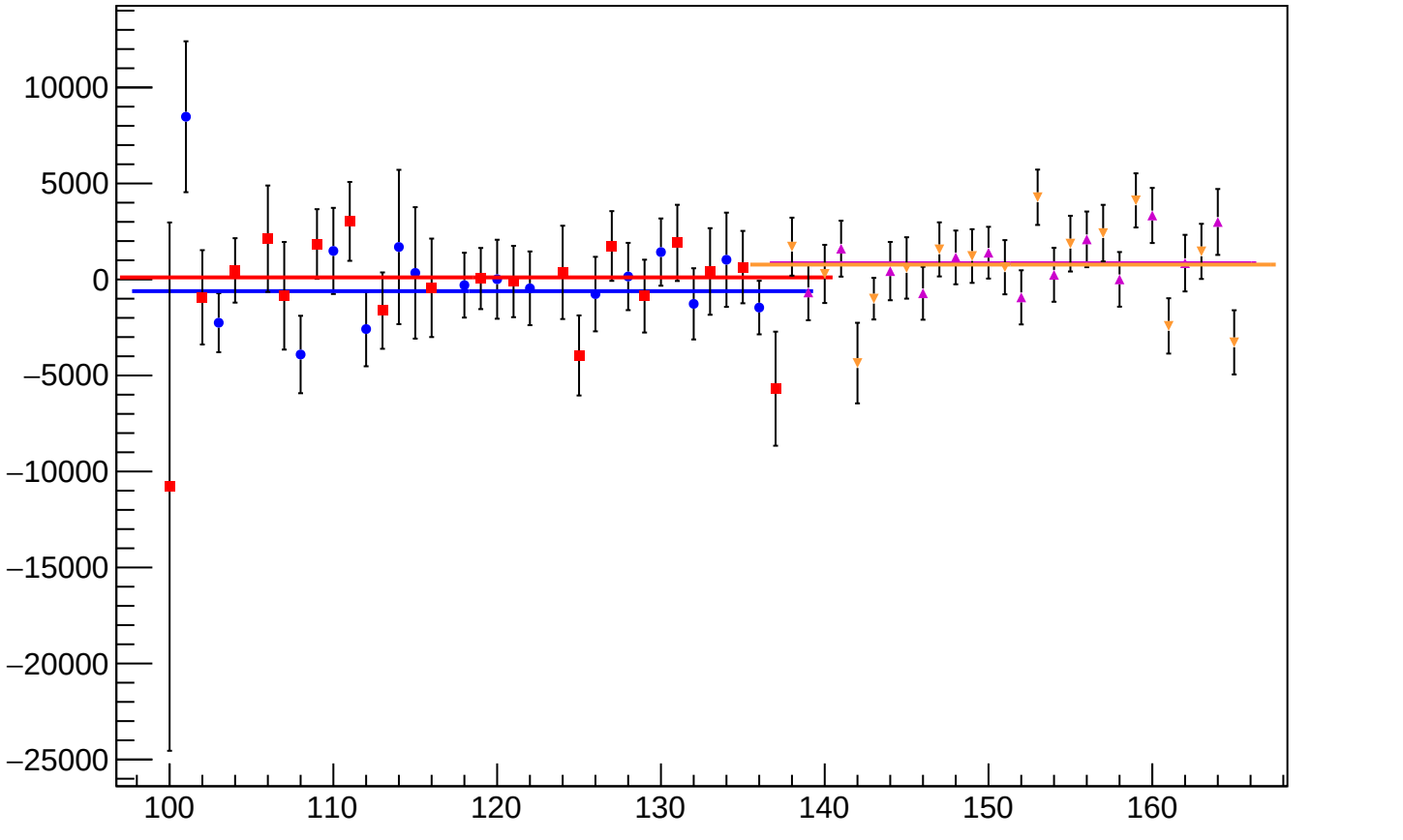
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

+ sign 3739.706+/-0.624 χ^2/NDF: 1884495.6/30

All: 3717.313+/-0.443 χ^2/NDF: 4112480.8/62

- sign 3694.582+/-0.629 χ^2/NDF: 2225393.8/31



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.968+/-375.143 χ^2/NDF:33.9/14

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

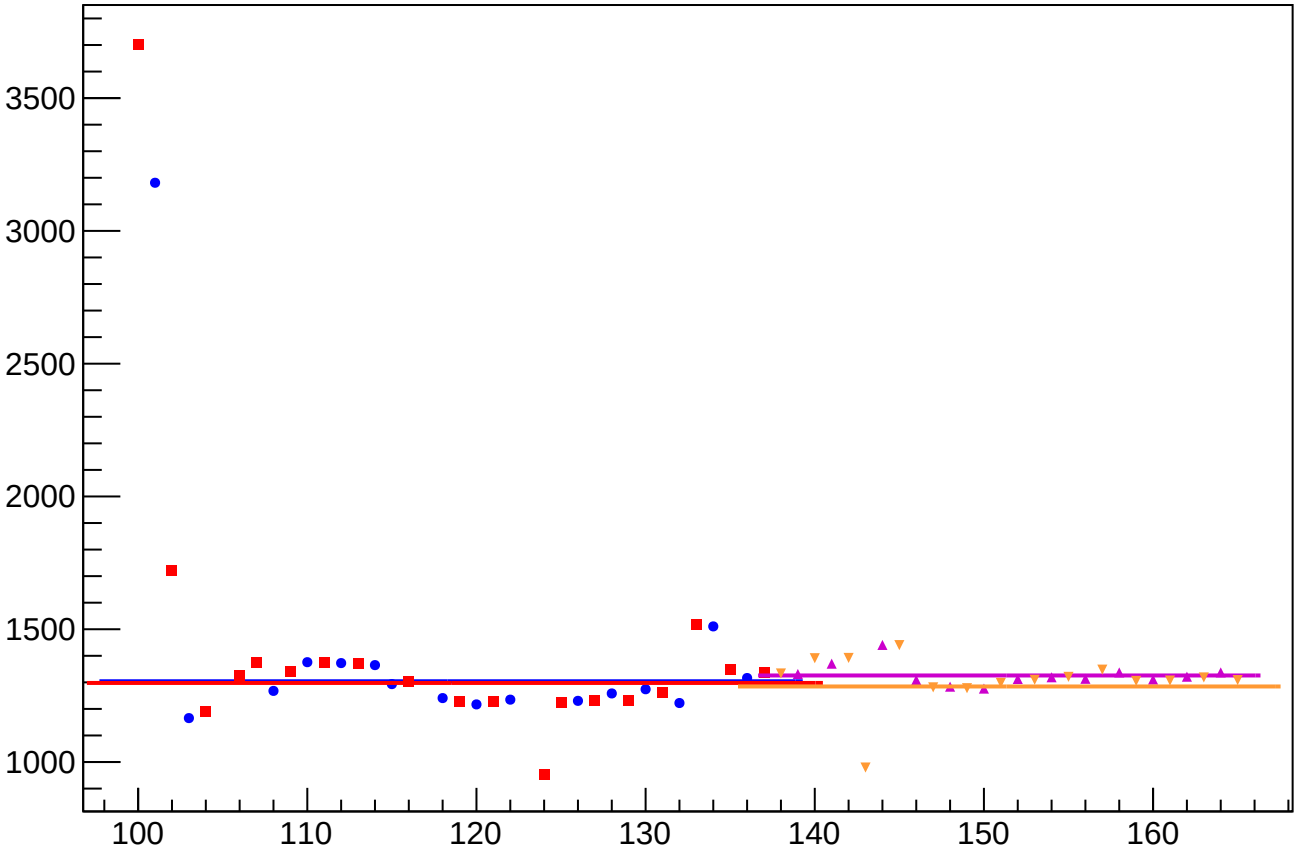
Left In: 847.228+/-400.519 χ^2/NDF:10.4/12

+ sign 269.433+/-298.801 χ^2/NDF: 53.0/30

All: 404.134+/-214.789 χ^2/NDF: 80.1/62

- sign 548.159+/-308.969 χ^2/NDF: 26.6/31

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: 1284.505+/-0.265 χ^2/NDF:203047.8/14

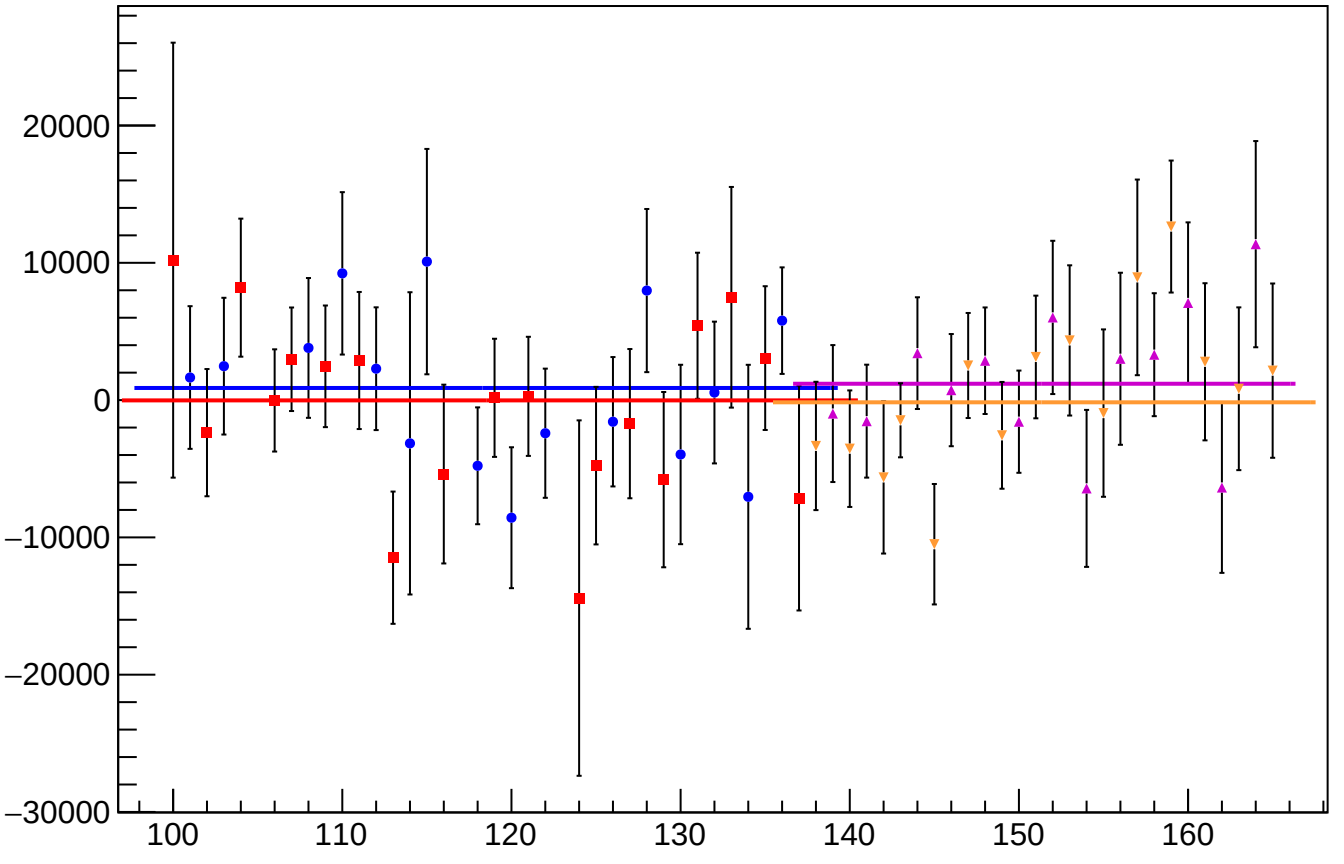
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

+ sign 1291.669+/-0.211 χ^2/NDF: 715632.7/30

All: 1302.721+/-0.152 χ^2/NDF: 957405.9/62

- sign 1314.531+/-0.218 χ^2/NDF: 236113.5/31



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -160.908+/-1182.788 χ^2/NDF:19.1/14

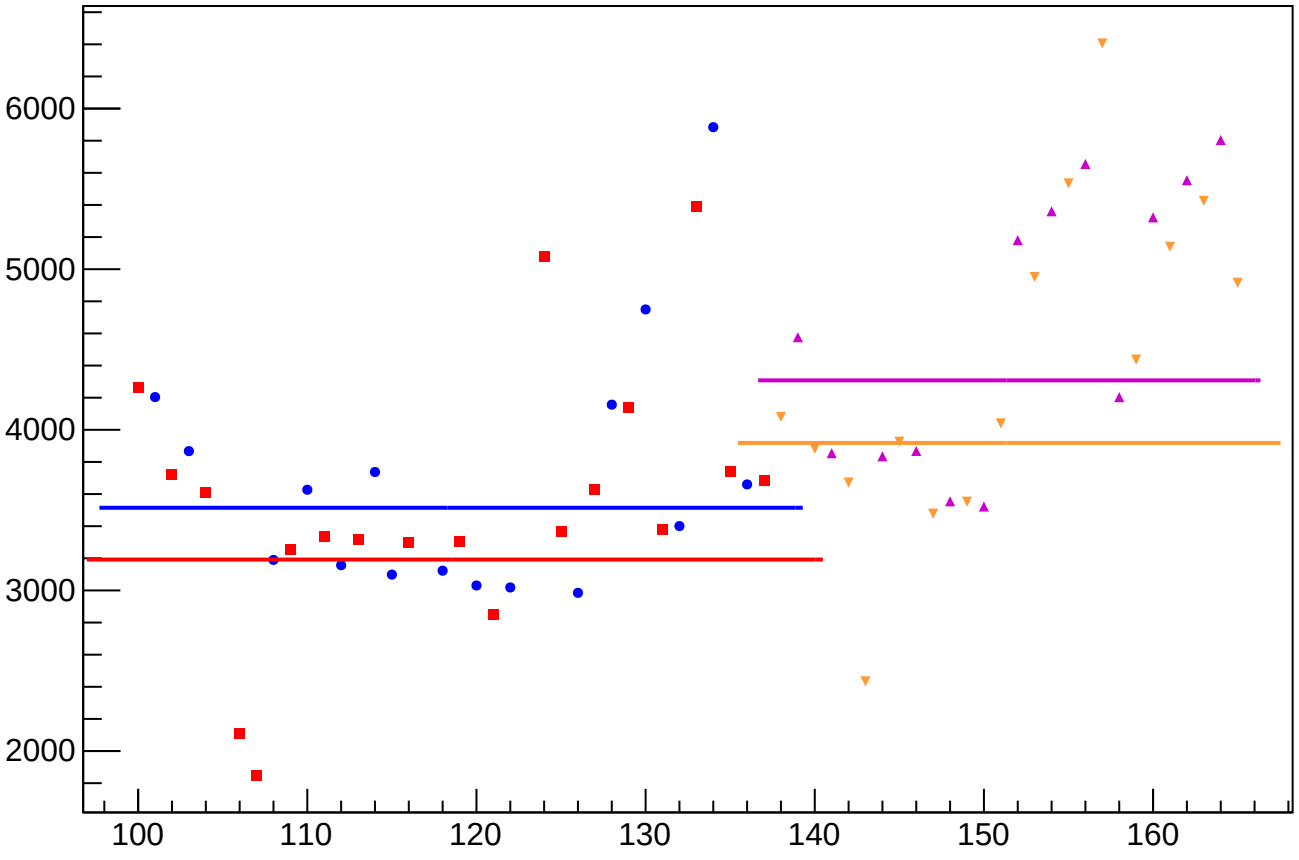
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1191.322+/-1325.929 χ^2/NDF:8.8/12

+ sign 301.570+/-883.074 χ^2/NDF: 33.6/30

All: 412.473+/-626.768 χ^2/NDF: 59.7/62

- sign 525.054+/-889.731 χ^2/NDF: 26.1/31



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3918.325+/-0.836 χ^2/NDF:1406367.0/14

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

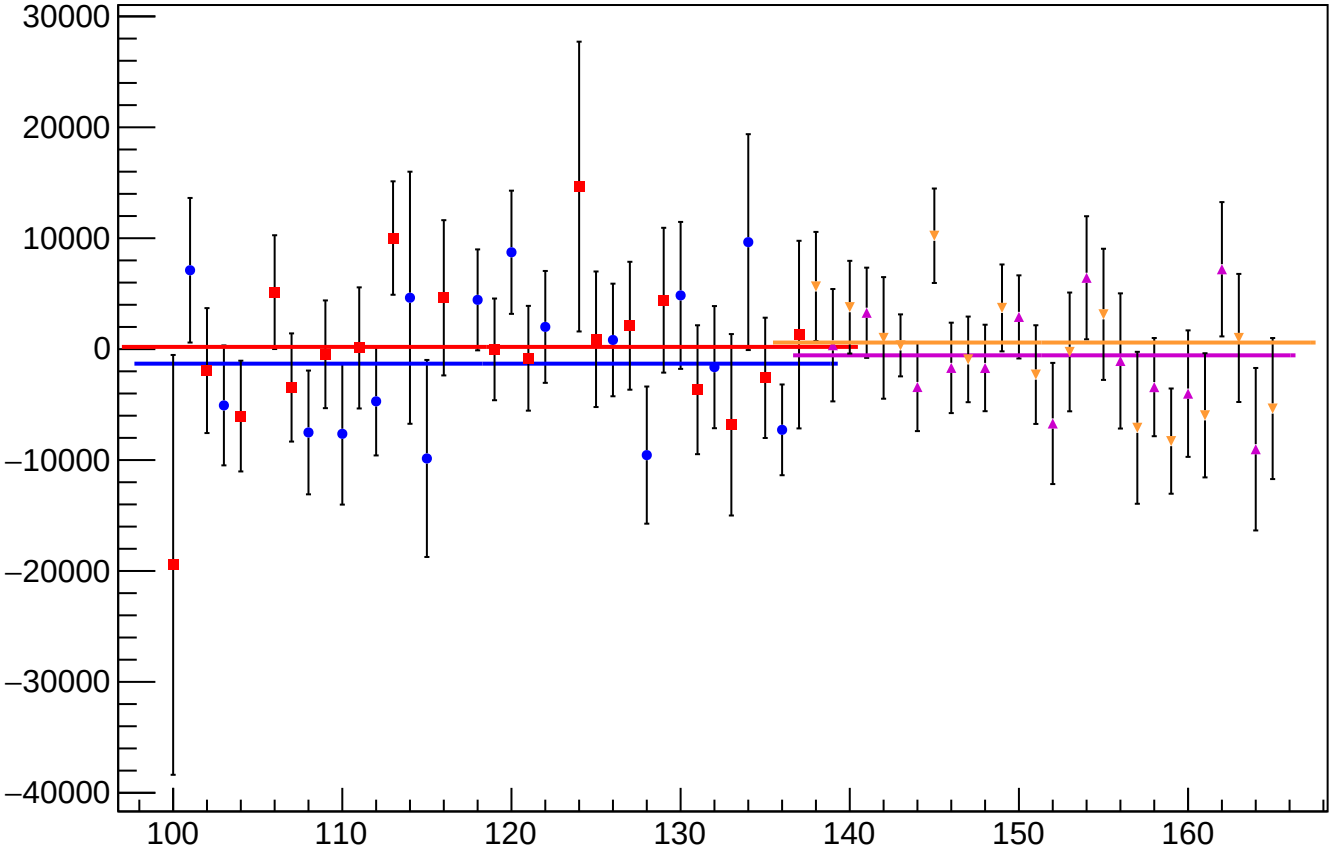
Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

+ sign 3739.704+/-0.624 χ^2/NDF: 1884509.2/30

All: 3717.311+/-0.443 χ^2/NDF: 4112518.2/62

- sign 3694.578+/-0.629 χ^2/NDF: 2225417.4/31

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 594.666+/-1183.653 χ^2/NDF:15.2/14

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

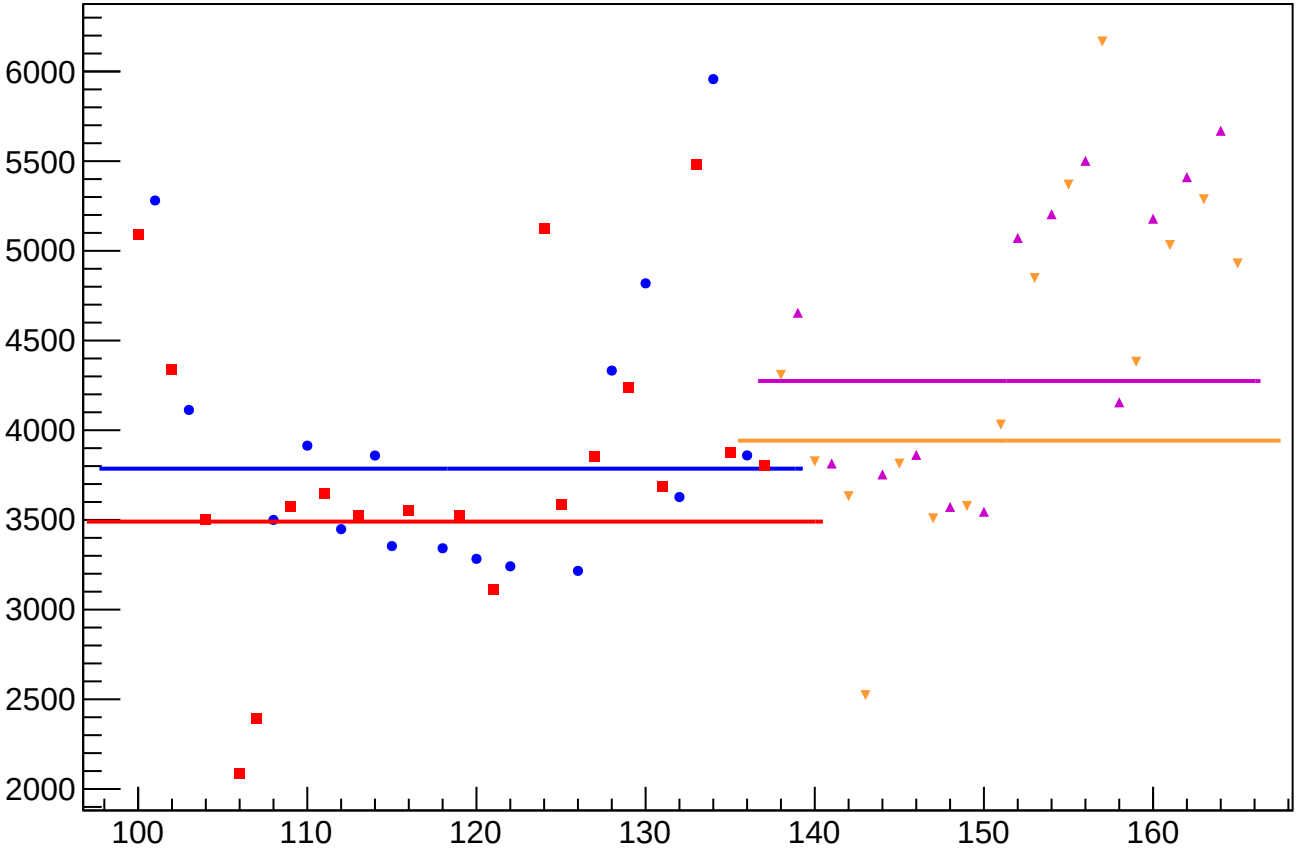
Left In: -558.248+/-1312.498 χ^2/NDF:9.1/12

+ sign -178.418+/-912.236 χ^2/NDF: 33.8/30

All: -181.666+/-653.389 χ^2/NDF: 54.7/62

- sign -185.087+/-936.296 χ^2/NDF: 20.9/31

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3942.235+/-0.837 χ^2/NDF:1214331.3/14

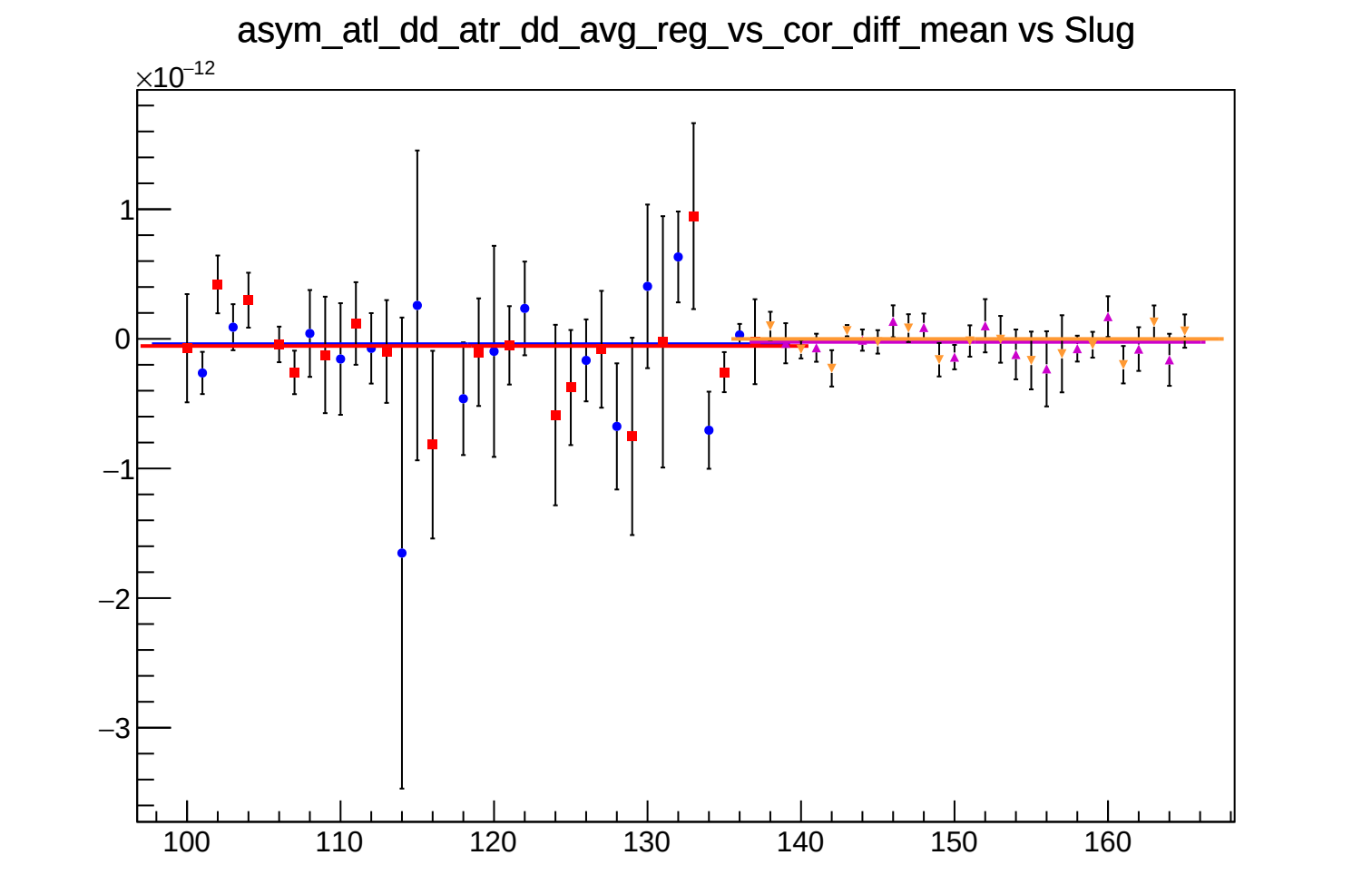
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

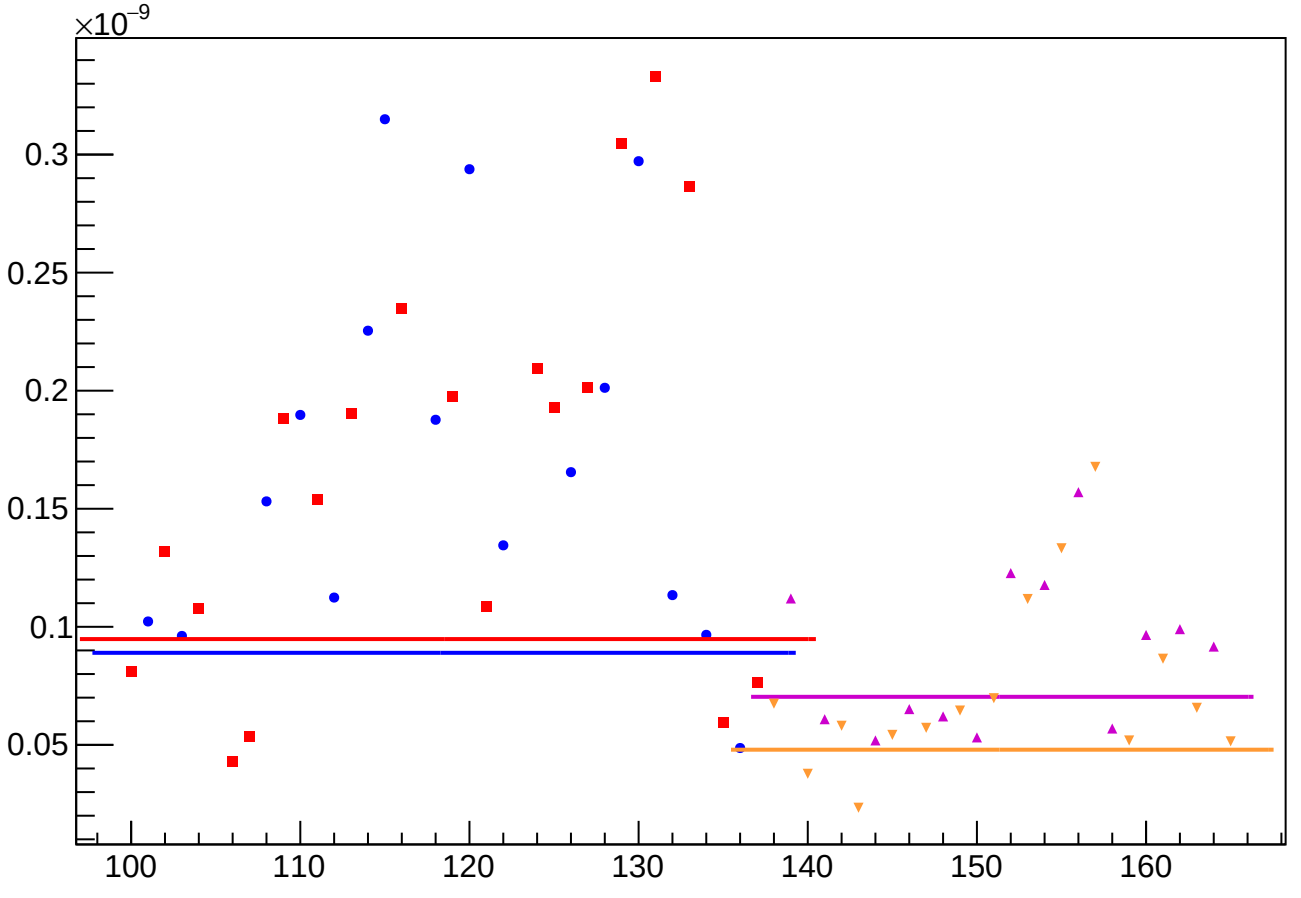
Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

\+ sign 3878.707+/-0.645 χ^2/NDF: 1611513.3/30

All: 3881.348+/-0.460 χ^2/NDF: 3160263.4/62

\- sign 3884.092+/-0.658 χ^2/NDF: 1548715.9/31


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:13.1/14
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:8.0/12
+ sign -0.000+/-0.000 χ²/NDF: 30.1/30
All: -0.000+/-0.000 χ²/NDF: 54.6/62
- sign -0.000+/-0.000 χ²/NDF: 24.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915511.9/14

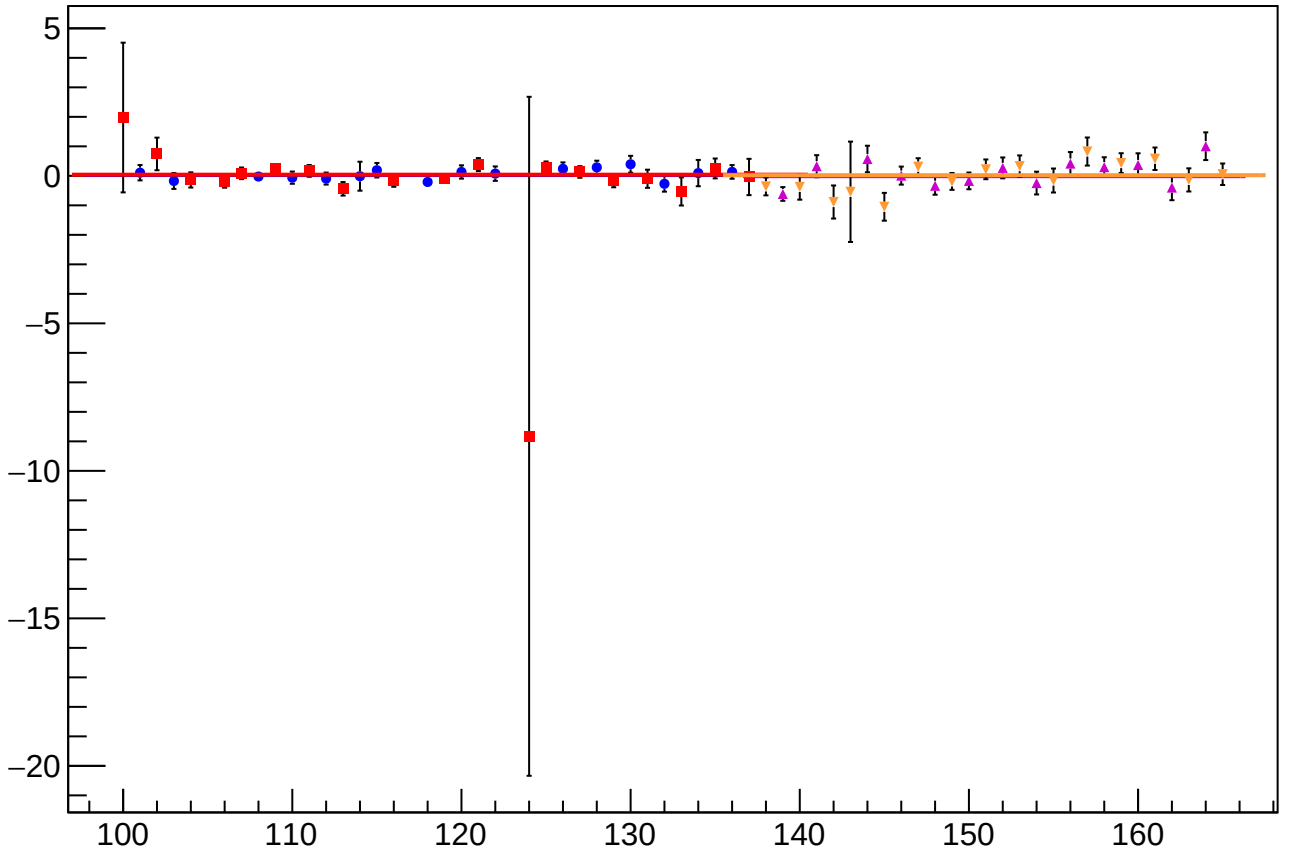
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4189814.1/30

All: 0.000+/-0.000 χ^2/NDF: 7712705.1/62

- sign 0.000+/-0.000 χ^2/NDF: 2904932.6/31



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

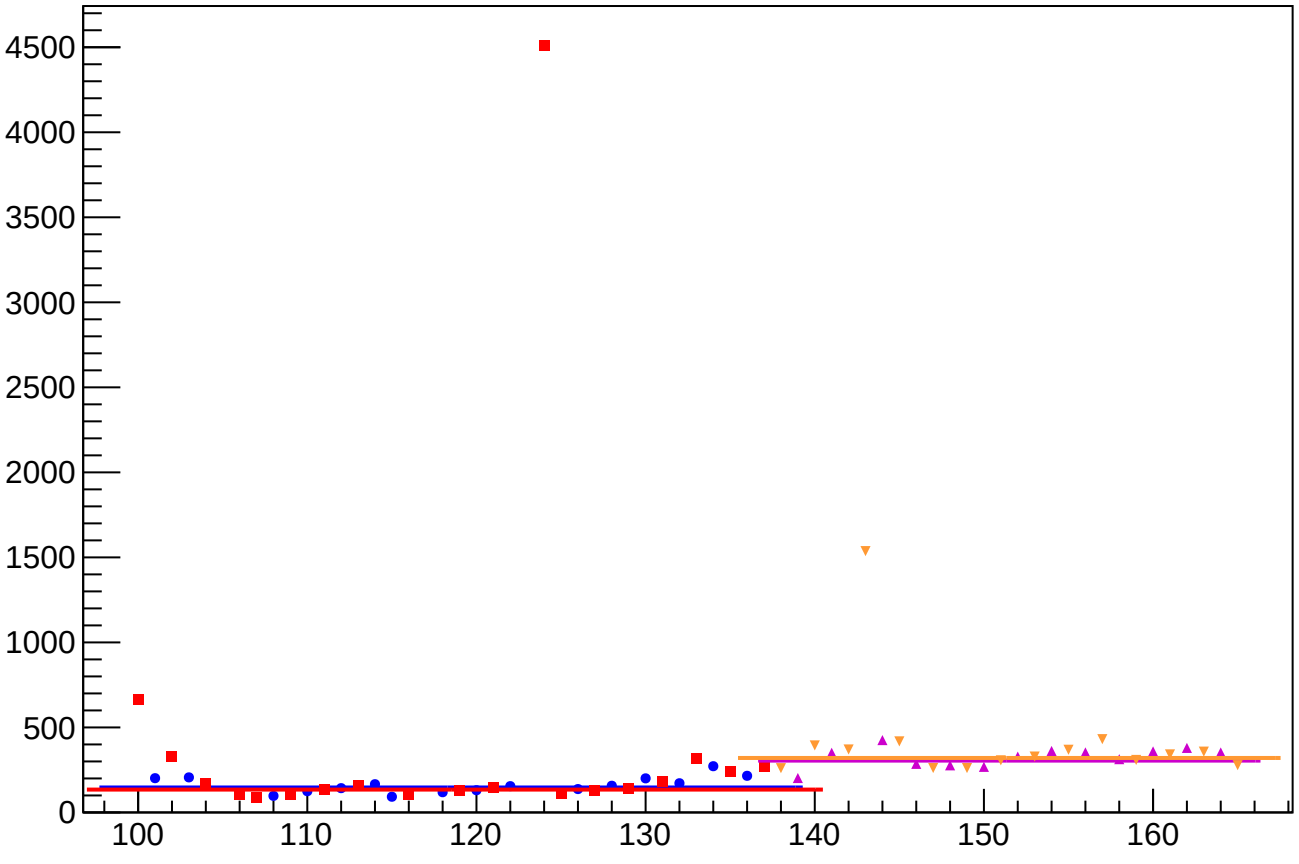
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

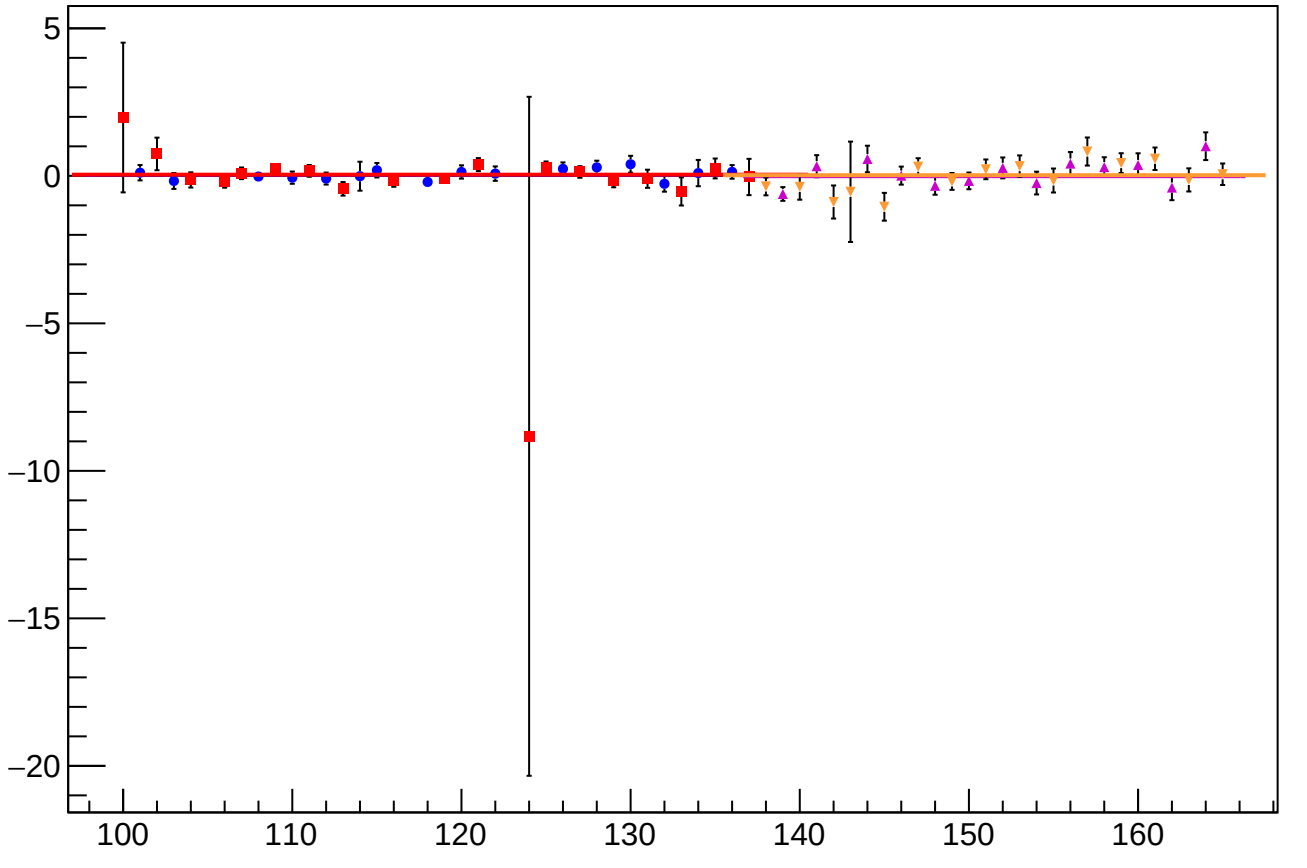
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328092.3/30

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

- sign 177.090+/-0.034 χ^2/NDF: 7265782.6/31



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

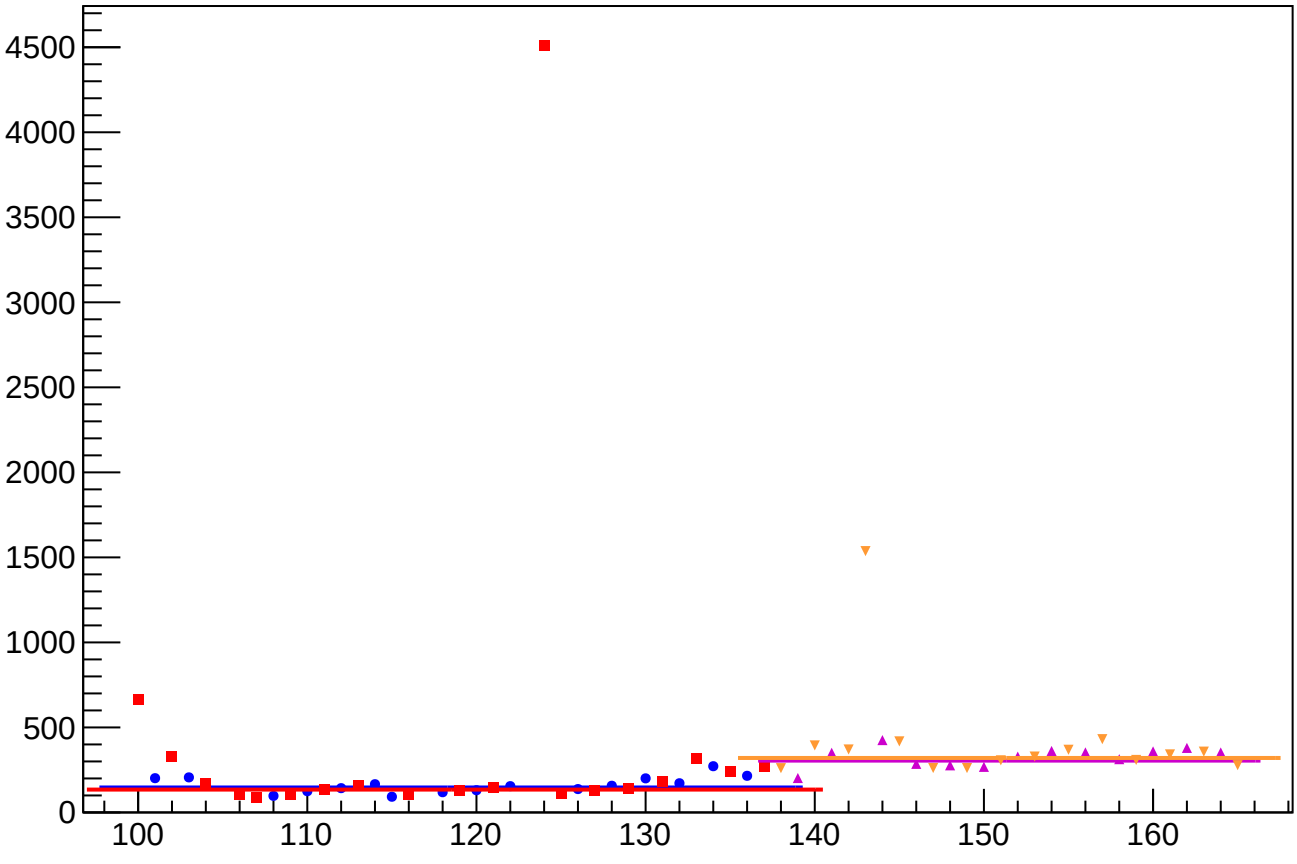
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

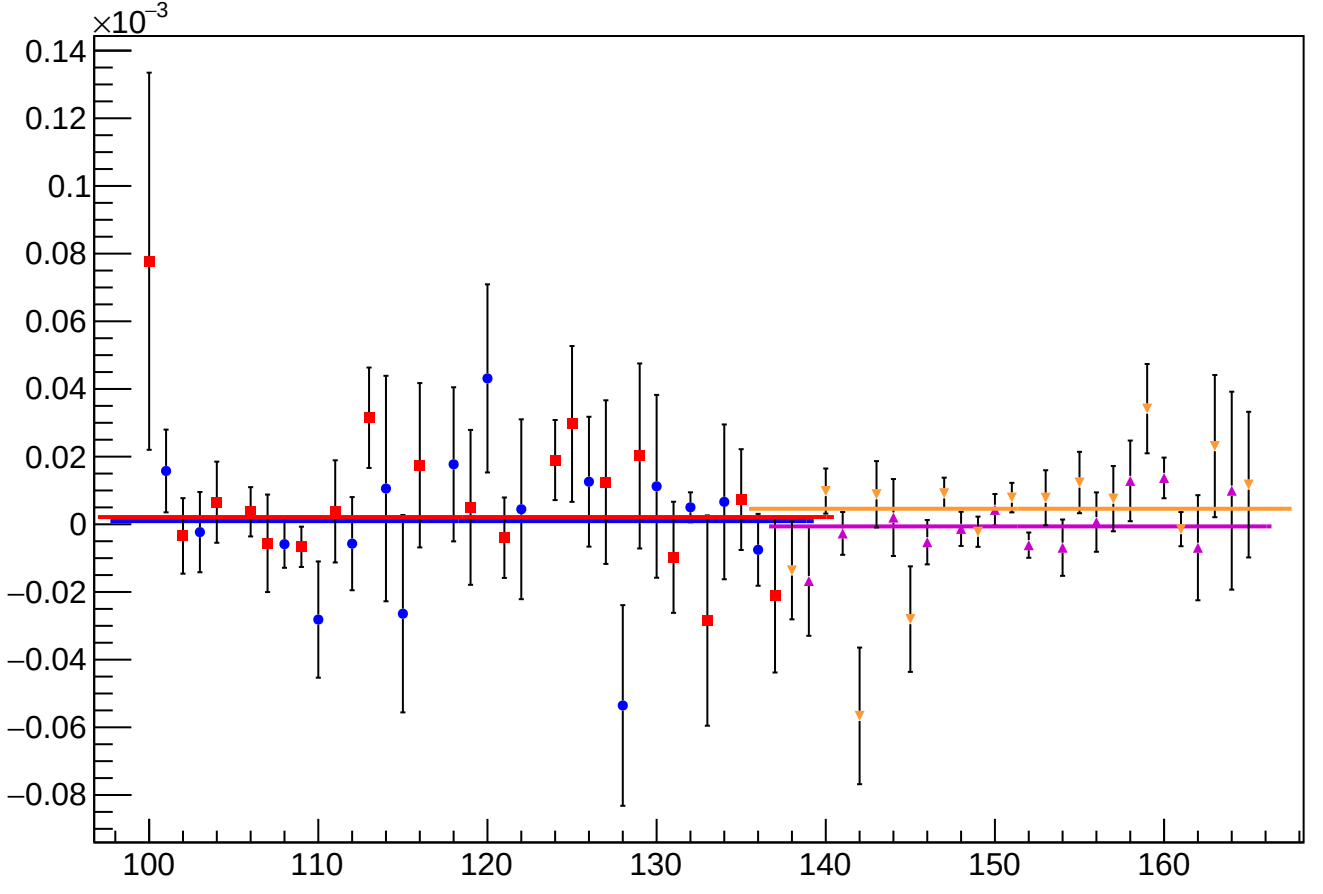
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328092.3/30

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

- sign 177.090+/-0.034 χ^2/NDF: 7265782.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/14

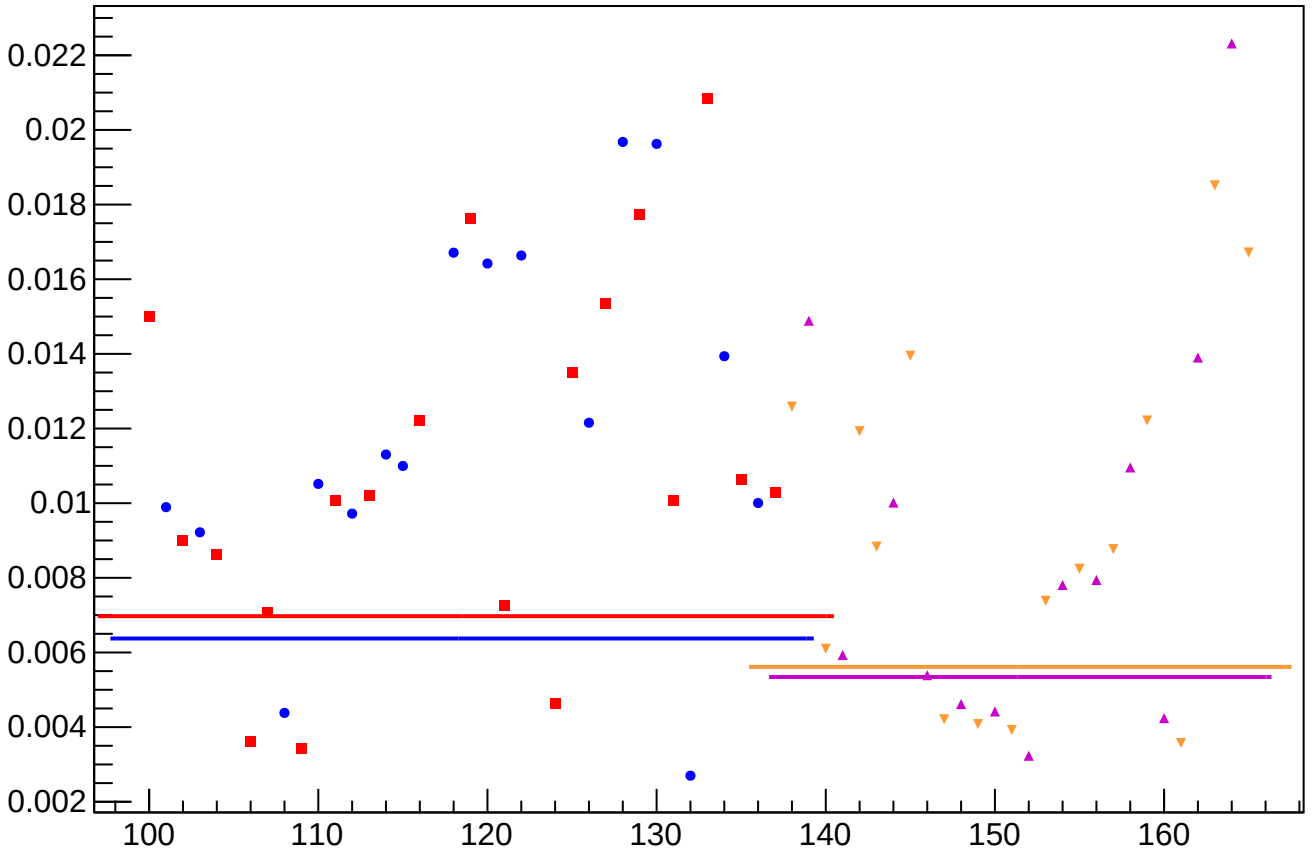
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/30

All: 0.000+/-0.000 χ^2/NDF: 75.8/62

- sign 0.000+/-0.000 χ^2/NDF: 29.5/31



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4768189.6/14

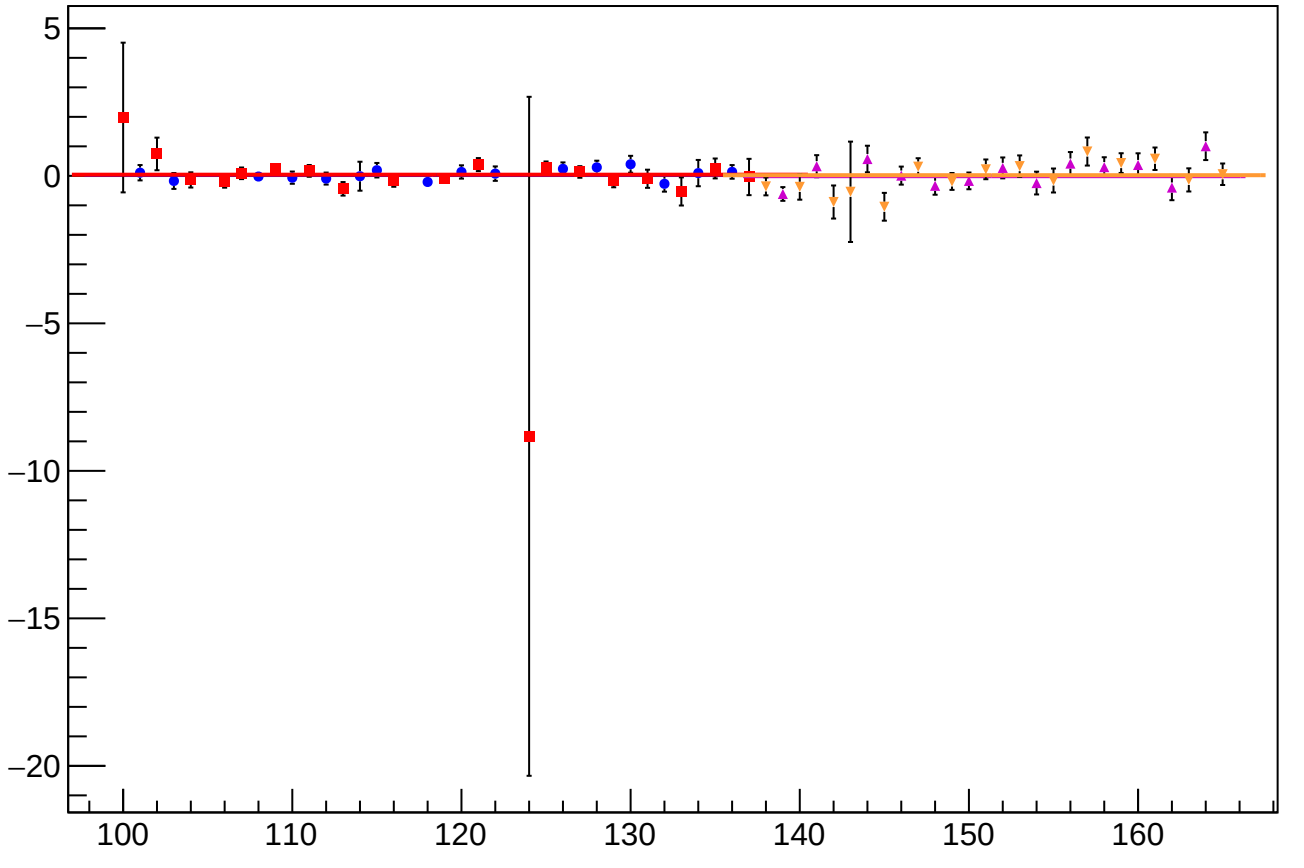
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

+ sign 0.006+/-0.000 χ^2/NDF: 9503492.3/30

All: 0.006+/-0.000 χ^2/NDF: 17285637.8/62

- sign 0.006+/-0.000 χ^2/NDF: 7781557.4/31



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

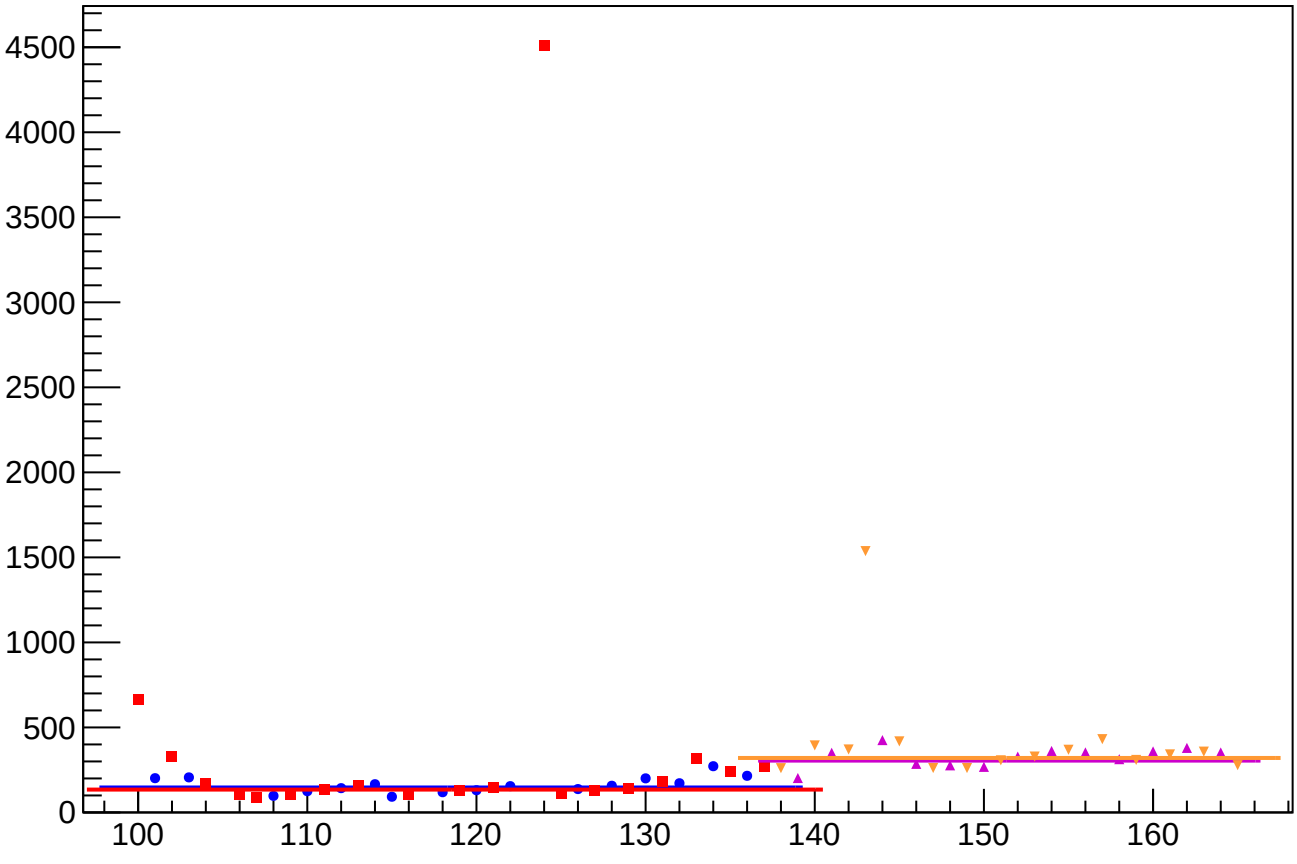
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

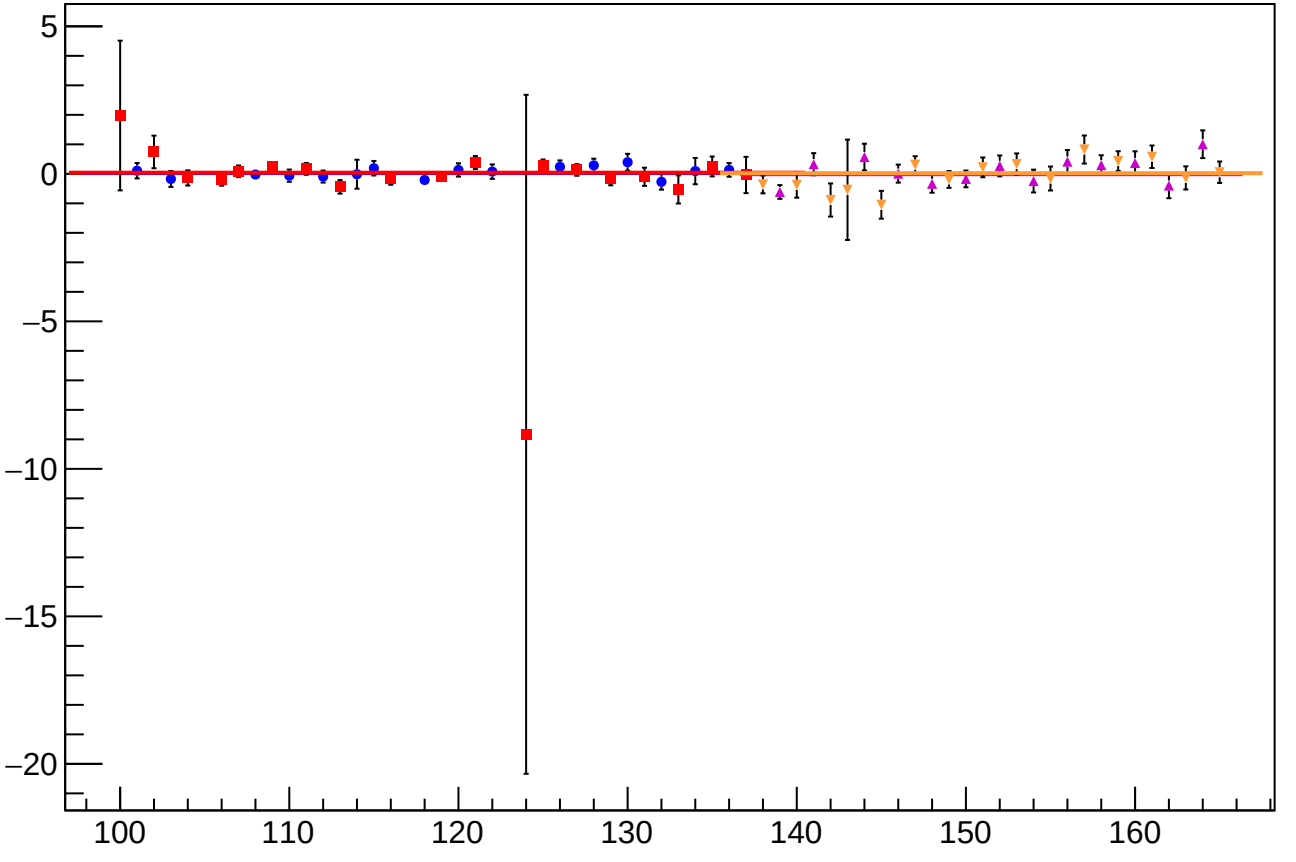
Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328199.4/30

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

- sign 177.091+/-0.034 χ^2/NDF: 7265765.7/31

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

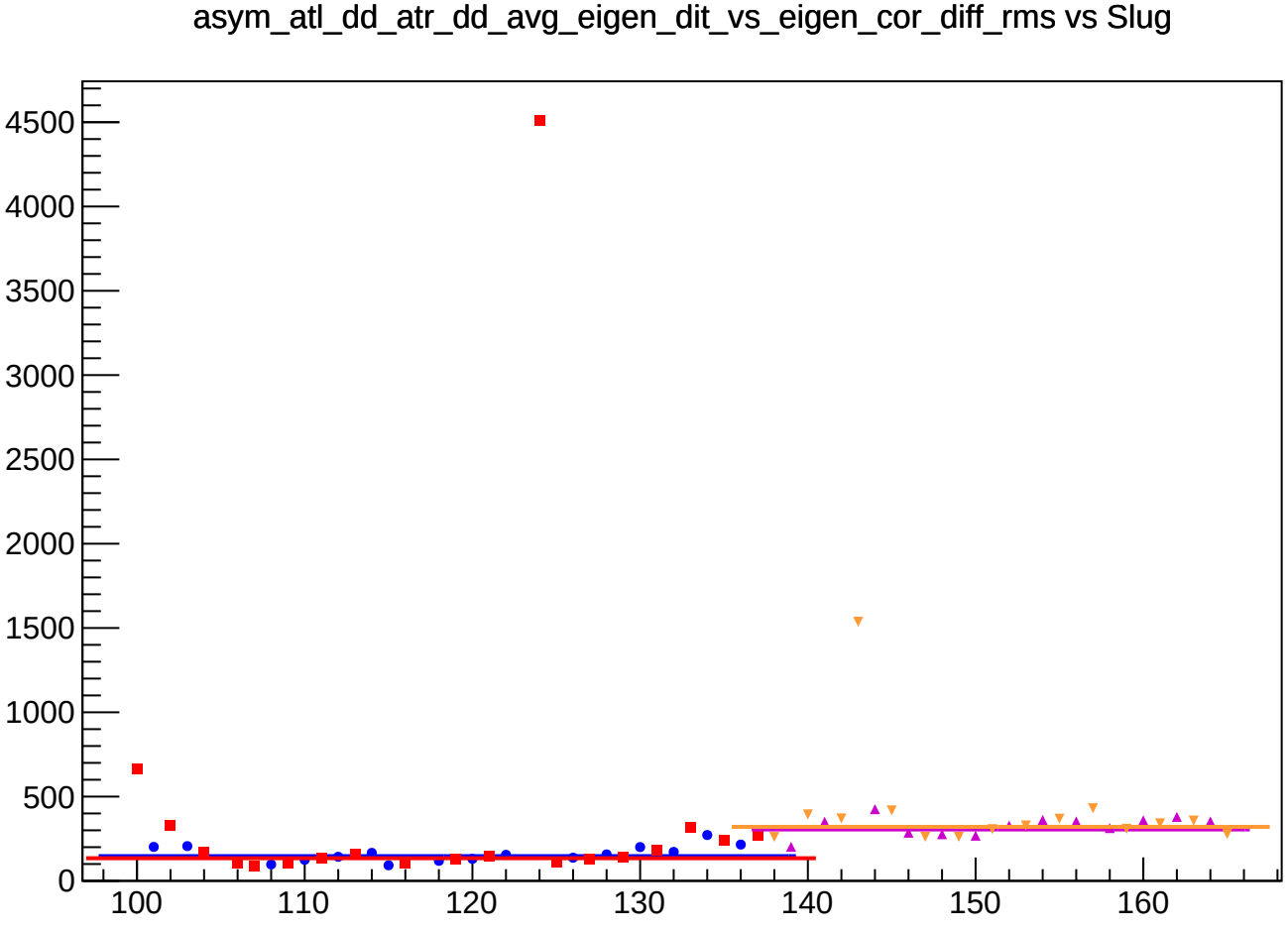
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

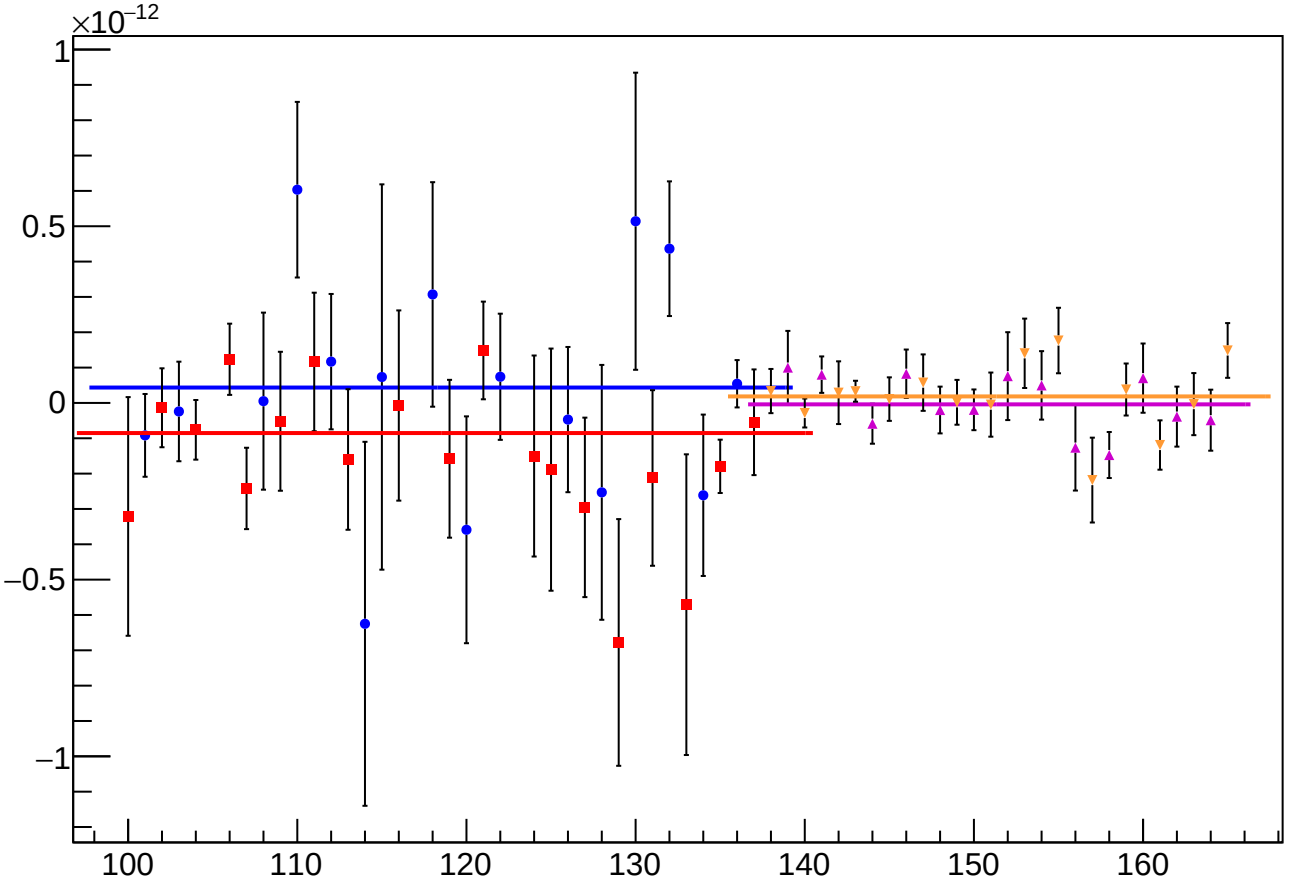
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328199.4/30

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

- sign 177.091+/-0.034 χ^2/NDF: 7265765.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

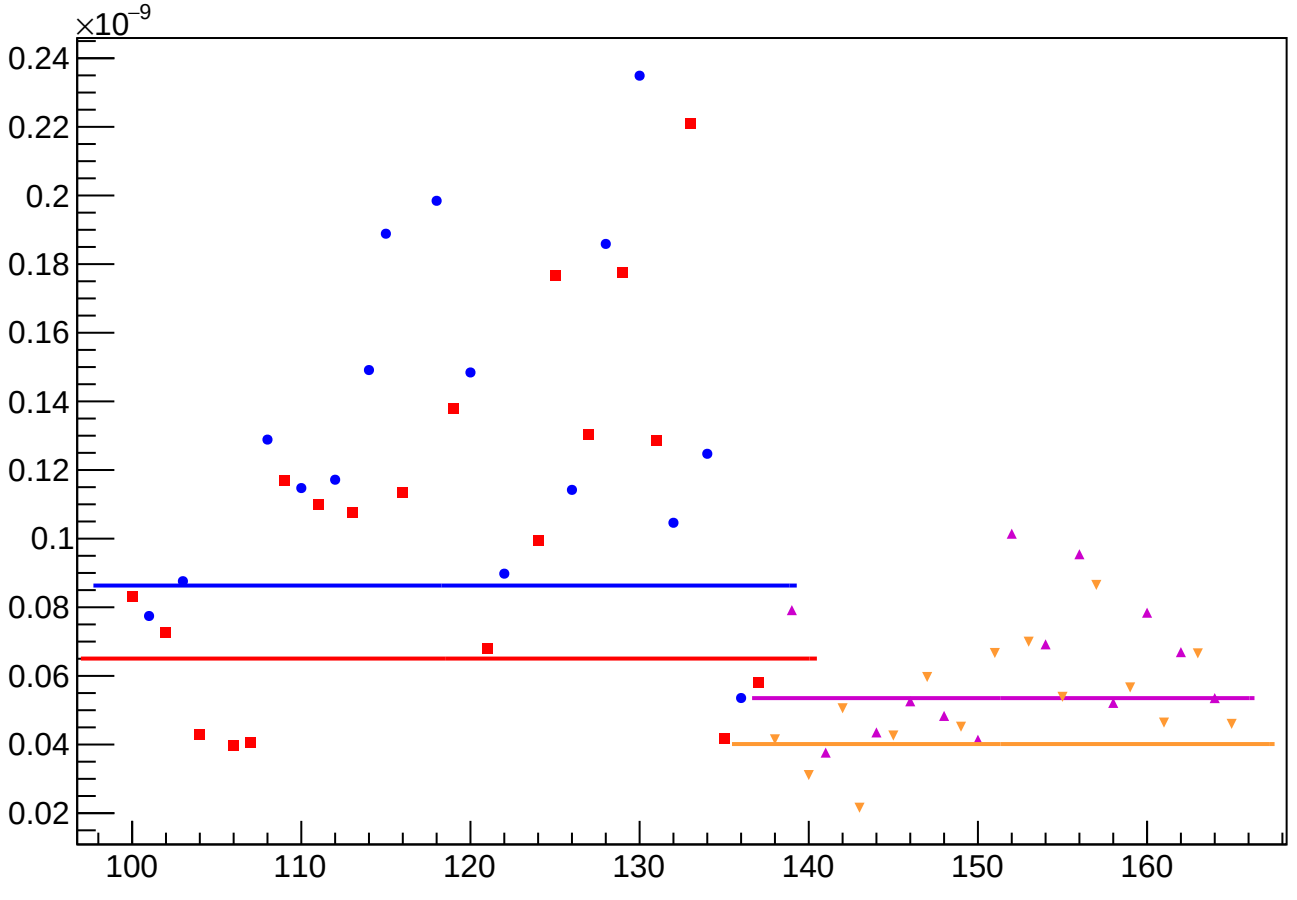
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/30

All: 0.000+/-0.000 χ^2/NDF: 76.9/62

- sign -0.000+/-0.000 χ^2/NDF: 36.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2052820.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

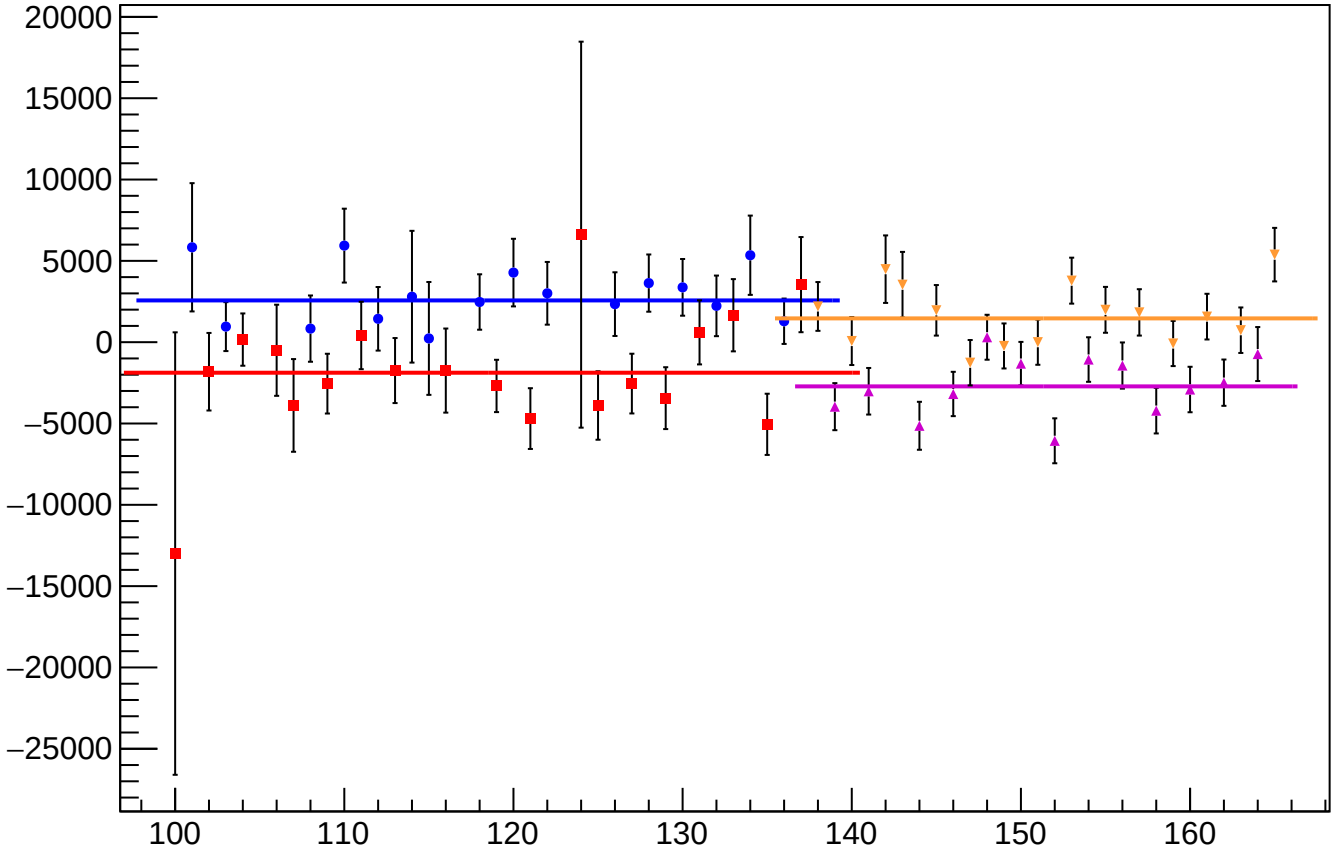
Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 5665970.5/30

All: 0.000+/-0.000 χ^2/NDF: 9664134.1/62

- sign 0.000+/-0.000 χ^2/NDF: 3568660.5/31

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1462.667+/-384.926 χ^2/NDF:20.9/14

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

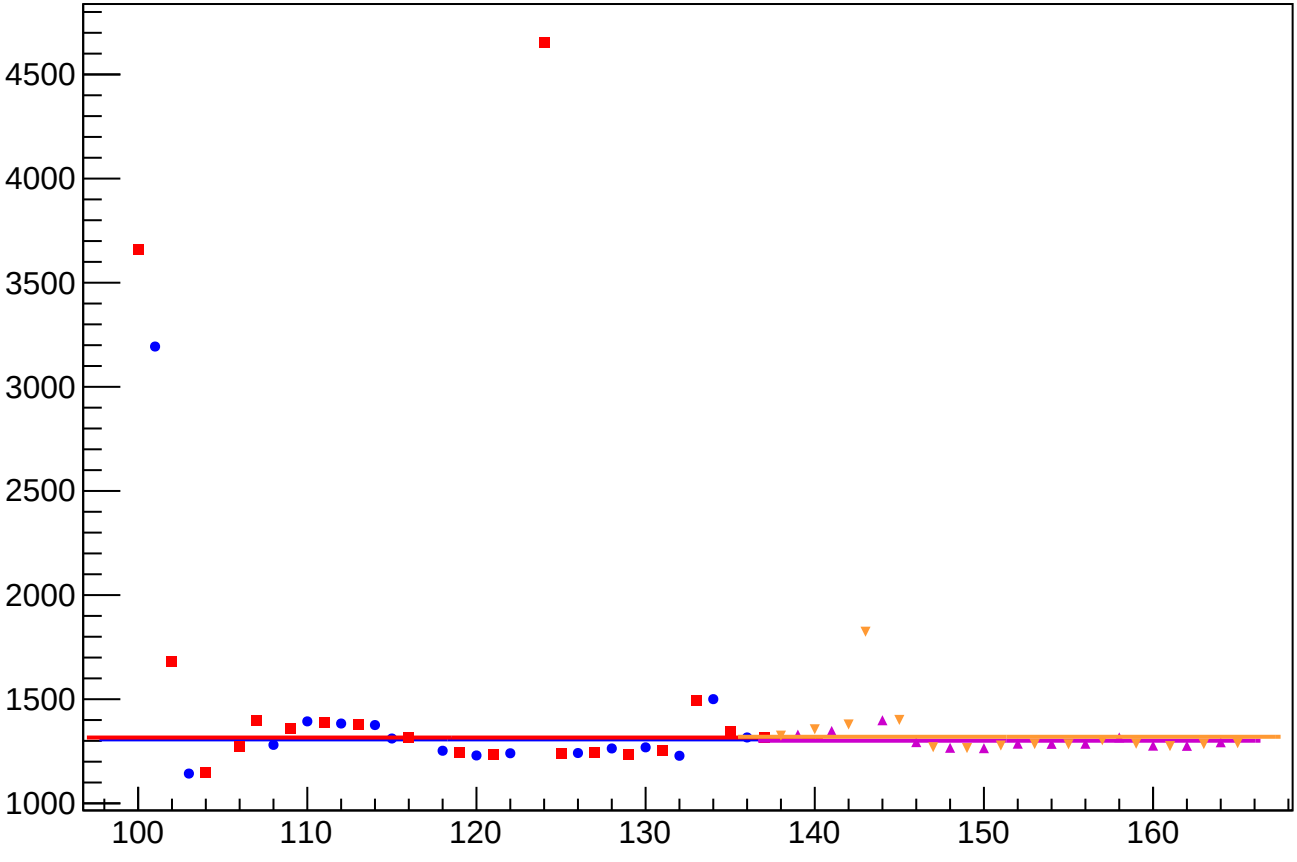
Left In: -2717.622+/-392.849 χ^2/NDF:20.2/12

+ sign 1878.608+/-303.948 χ^2/NDF: 33.1/30

All: -231.318+/-216.221 χ^2/NDF: 172.2/62

- sign -2392.937+/-307.649 χ^2/NDF: 41.5/31

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1319.620+/-0.272 χ^2/NDF:148630.5/14

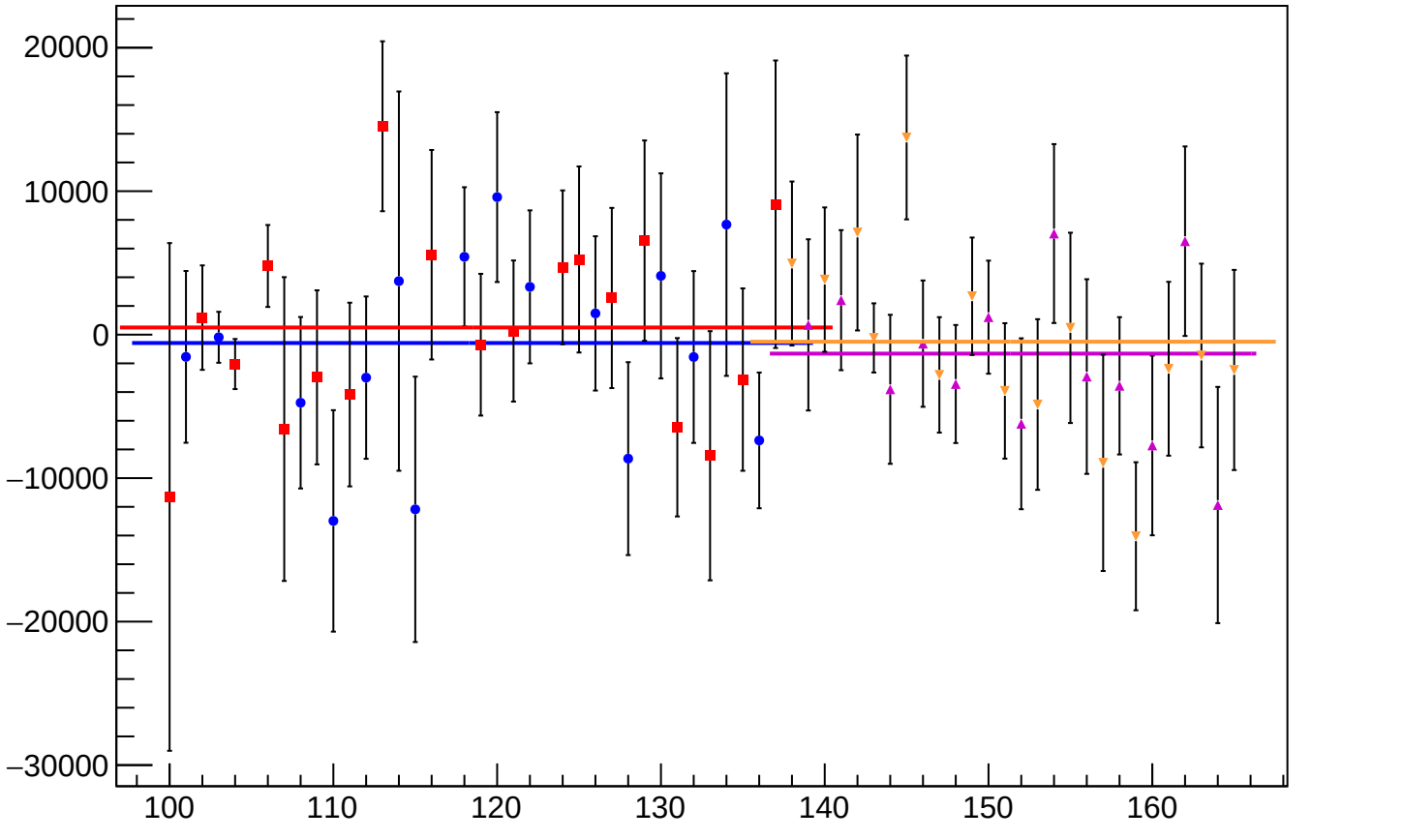
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

+ sign 1314.895+/-0.215 χ^2/NDF: 665680.3/30

All: 1310.793+/-0.153 χ^2/NDF: 1010661.4/62

- sign 1306.599+/-0.217 χ^2/NDF: 344244.6/31



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -490.413+/-1250.879 χ^2/NDF:19.5/14

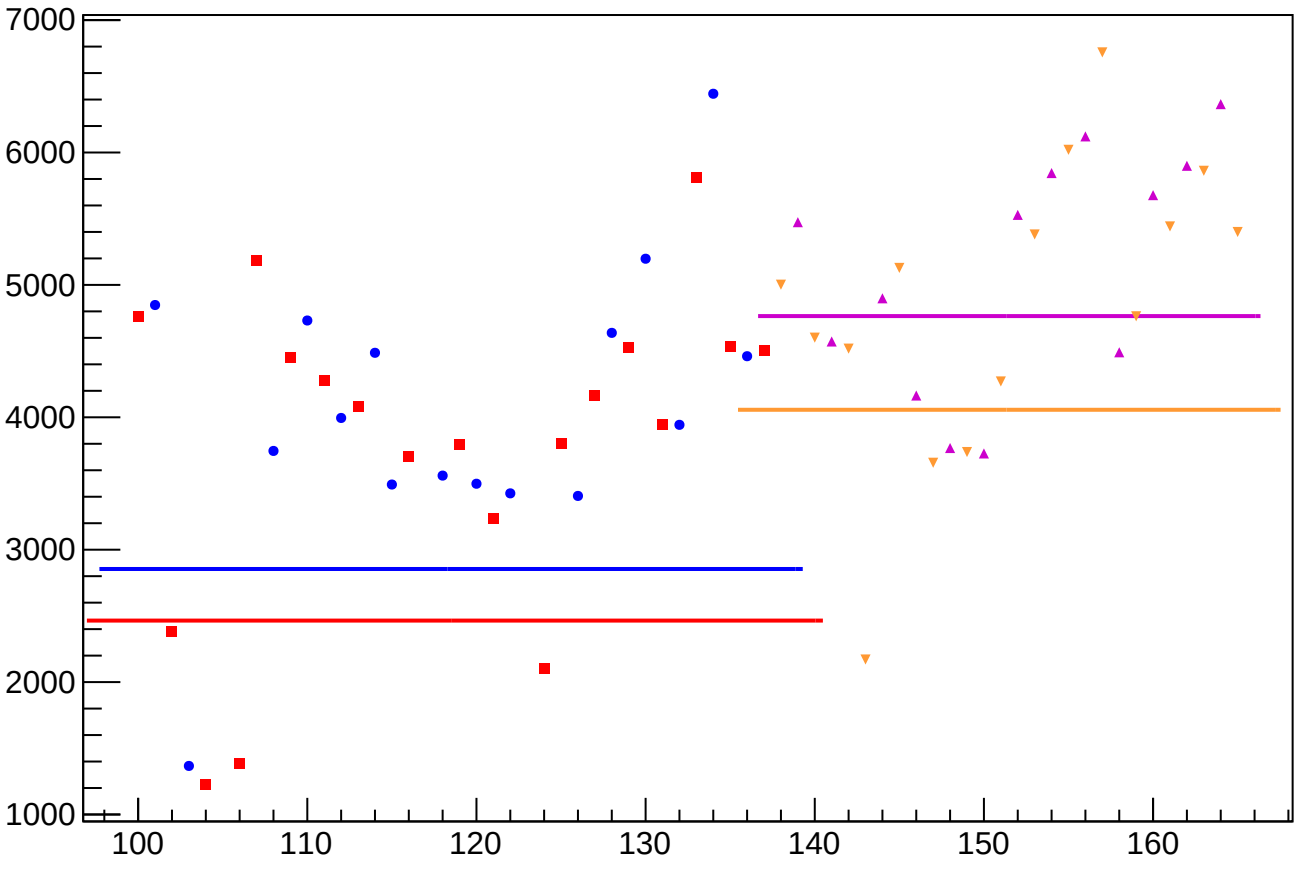
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1321.061+/-1466.797 χ^2/NDF:8.5/12

+ sign -538.270+/-863.263 χ^2/NDF: 34.2/30

All: -328.122+/-608.087 χ^2/NDF: 61.6/62

- sign -121.156+/-856.704 χ^2/NDF: 27.2/31



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4056.800+/-0.885 χ^2/NDF:2324057.1/14

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

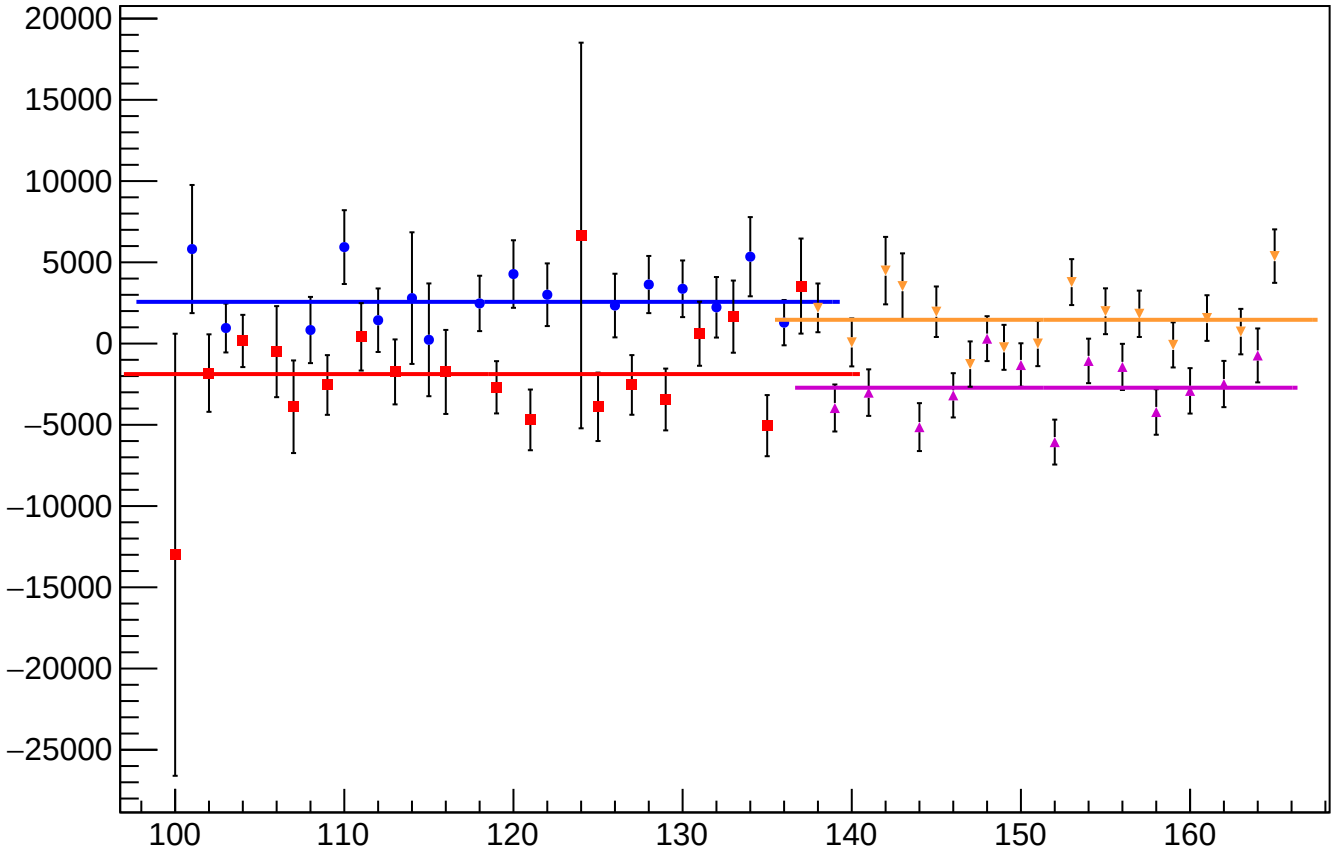
Left In: 4764.473+/-1.037 χ^2/NDF:682820.8/12

+ sign 3427.017+/-0.610 χ^2/NDF: 6196878.9/30

All: 3337.407+/-0.430 χ^2/NDF: 13518082.8/6

- sign 3249.154+/-0.606 χ^2/NDF: 7278429.2/31

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1462.614+/-384.926 χ^2/NDF:20.9/14

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

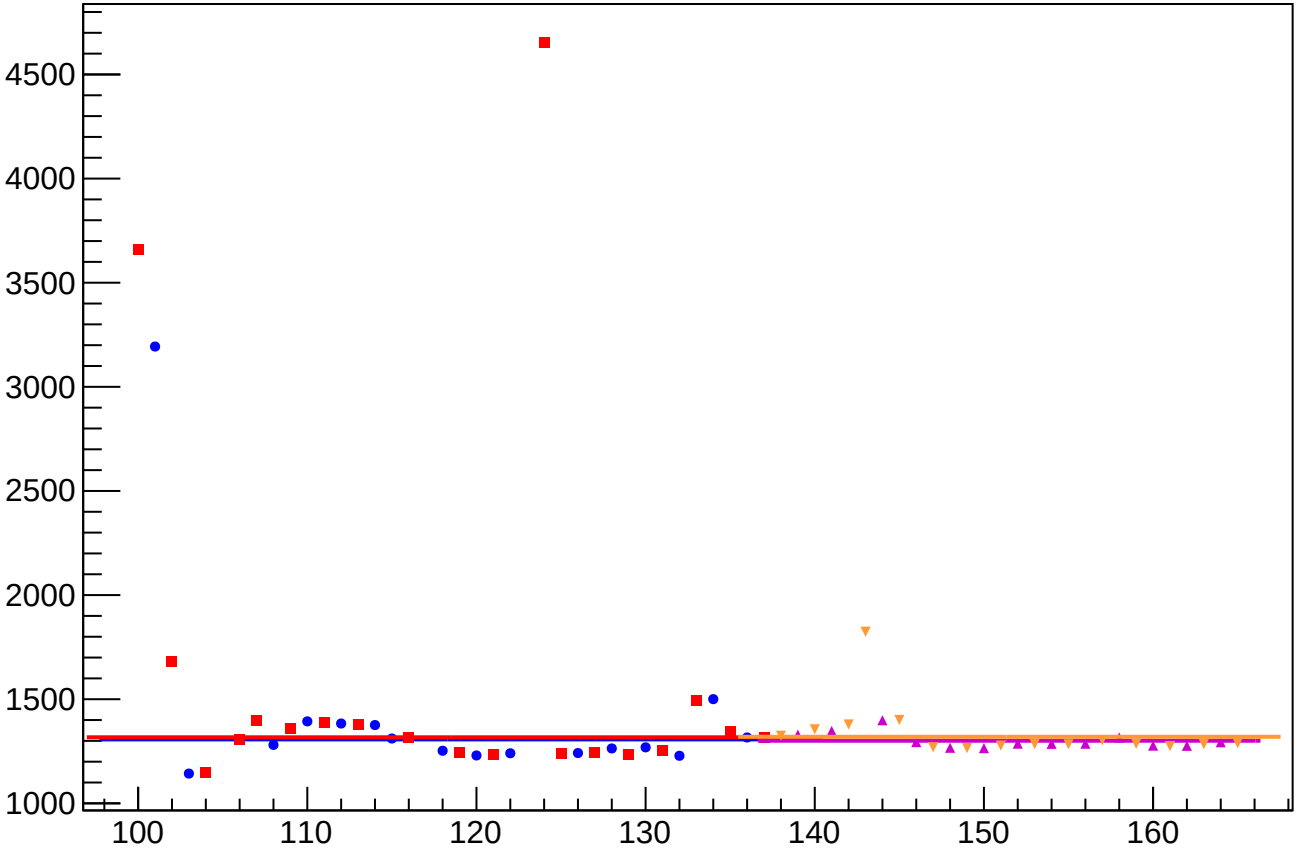
Left In: -2717.705+/-392.849 χ^2/NDF:20.2/12

+ sign 1878.470+/-303.948 χ^2/NDF: 33.1/30

All: -231.365+/-216.221 χ^2/NDF: 172.1/62

- sign -2392.889+/-307.649 χ^2/NDF: 41.5/31

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1319.620+/-0.272 χ^2/NDF:148630.5/14

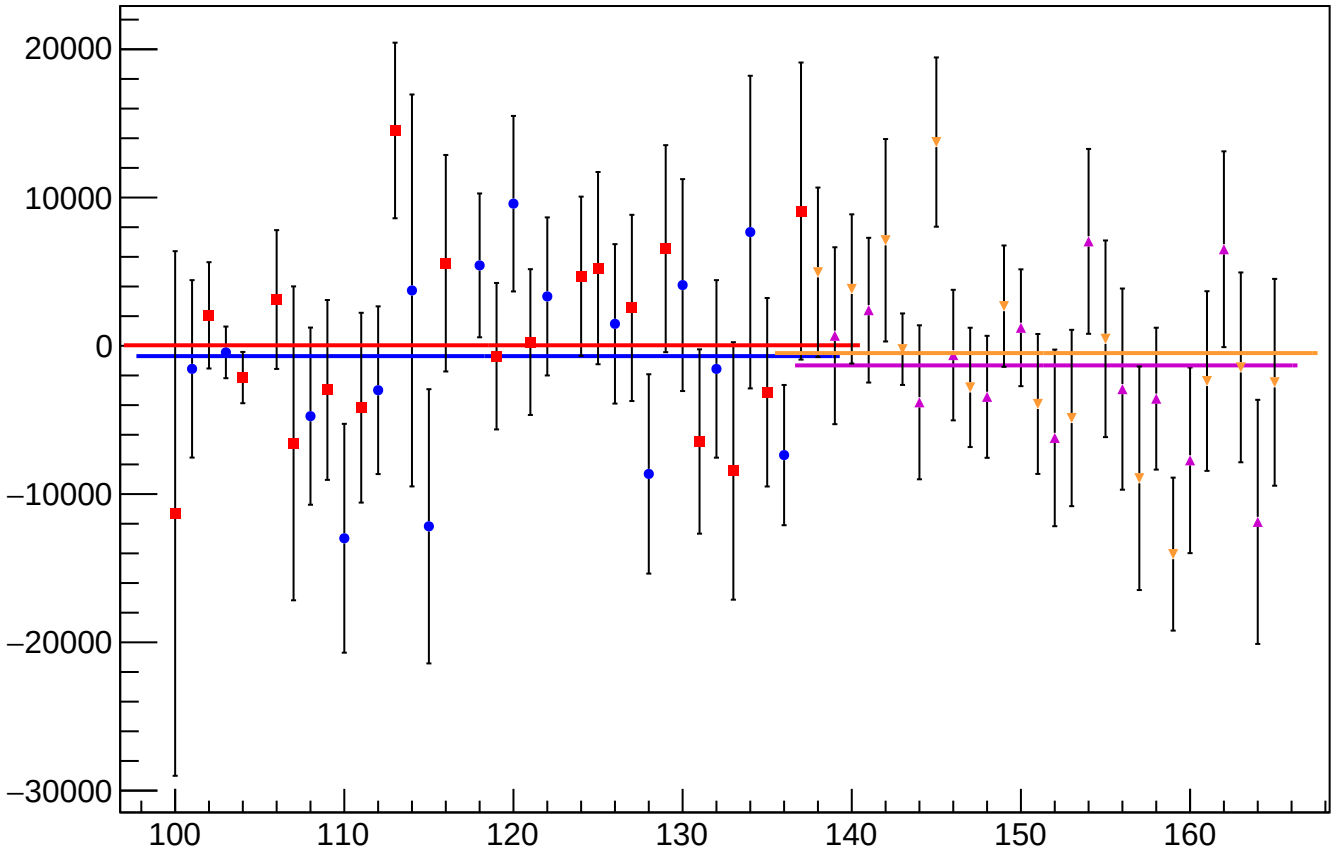
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

+ sign 1314.895+/-0.215 χ^2/NDF: 665681.8/30

All: 1311.008+/-0.153 χ^2/NDF: 1010274.3/62

- sign 1307.031+/-0.217 χ^2/NDF: 343930.8/31



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -490.418+/-1250.874 χ^2/NDF:19.5/14

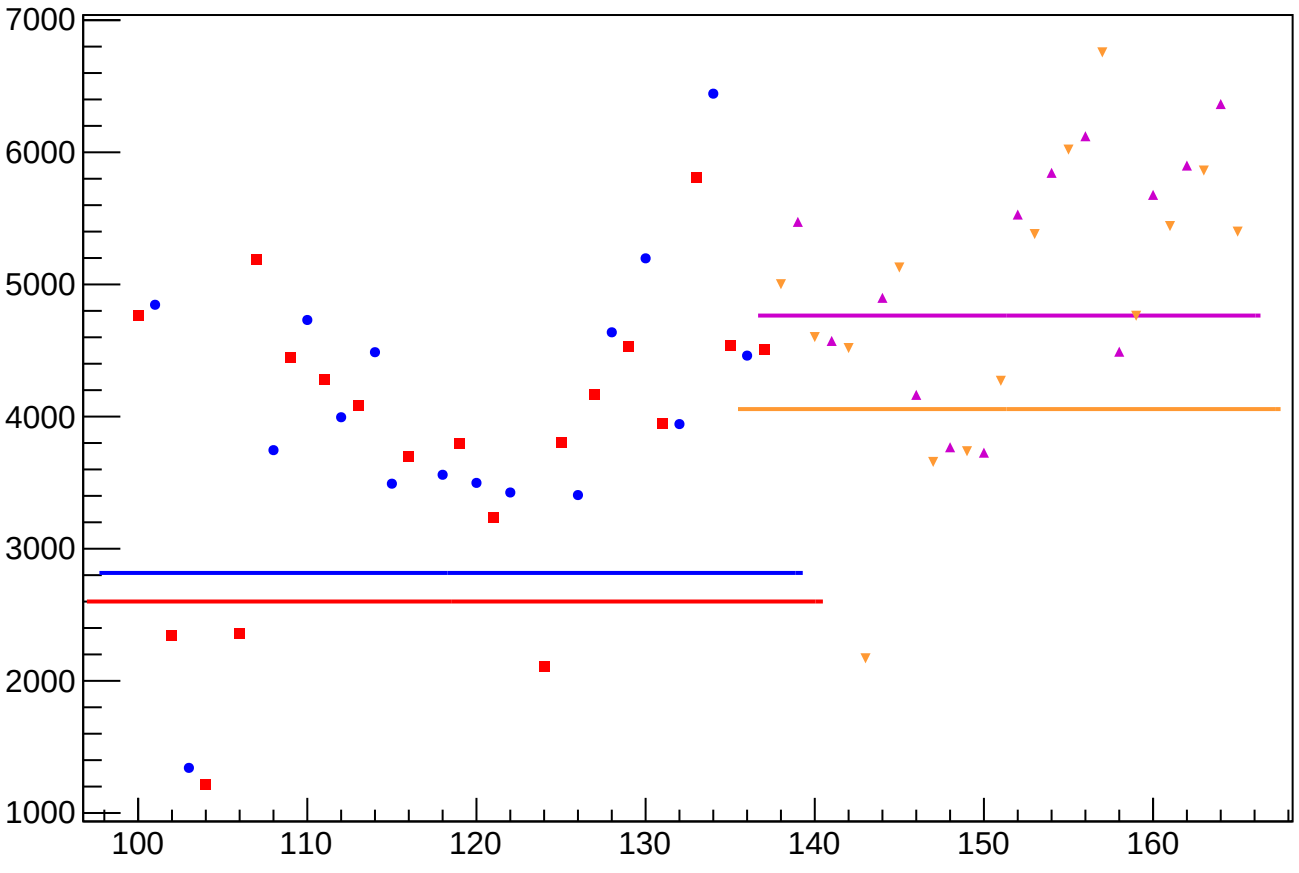
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1321.154+/-1466.797 χ^2/NDF:8.5/12

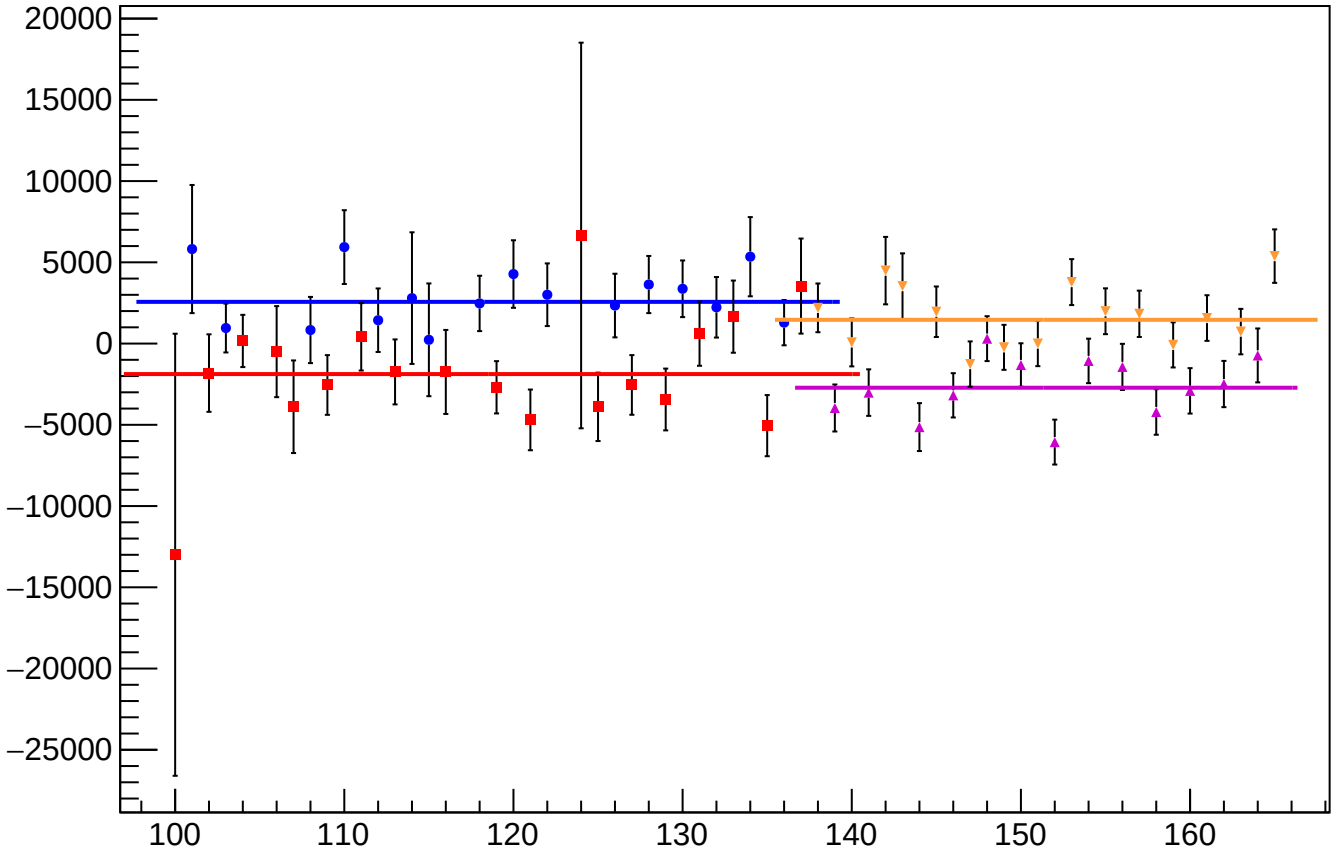
+ sign -598.591+/-859.283 χ^2/NDF: 34.2/30

All: -526.687+/-614.495 χ^2/NDF: 59.2/62

- sign -451.427+/-879.109 χ^2/NDF: 25.0/31


asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 2816.784+/-0.836 χ²/NDF: 3007570.0/15
Left Out: 4056.777+/-0.885 χ²/NDF:2324130.0/14
Right Out: 2600.524+/-0.777 χ²/NDF: 3080771.9/18
Left In: 4764.473+/-1.037 χ²/NDF:682826.9/12
+ sign 3401.931+/-0.608 χ²/NDF: 6369614.4/30
All: 3390.156+/-0.435 χ²/NDF: 12923320.2/6
- sign 3377.831+/-0.622 χ²/NDF: 6552937.2/31

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: 1462.614+/-384.926 χ^2/NDF:20.9/14

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

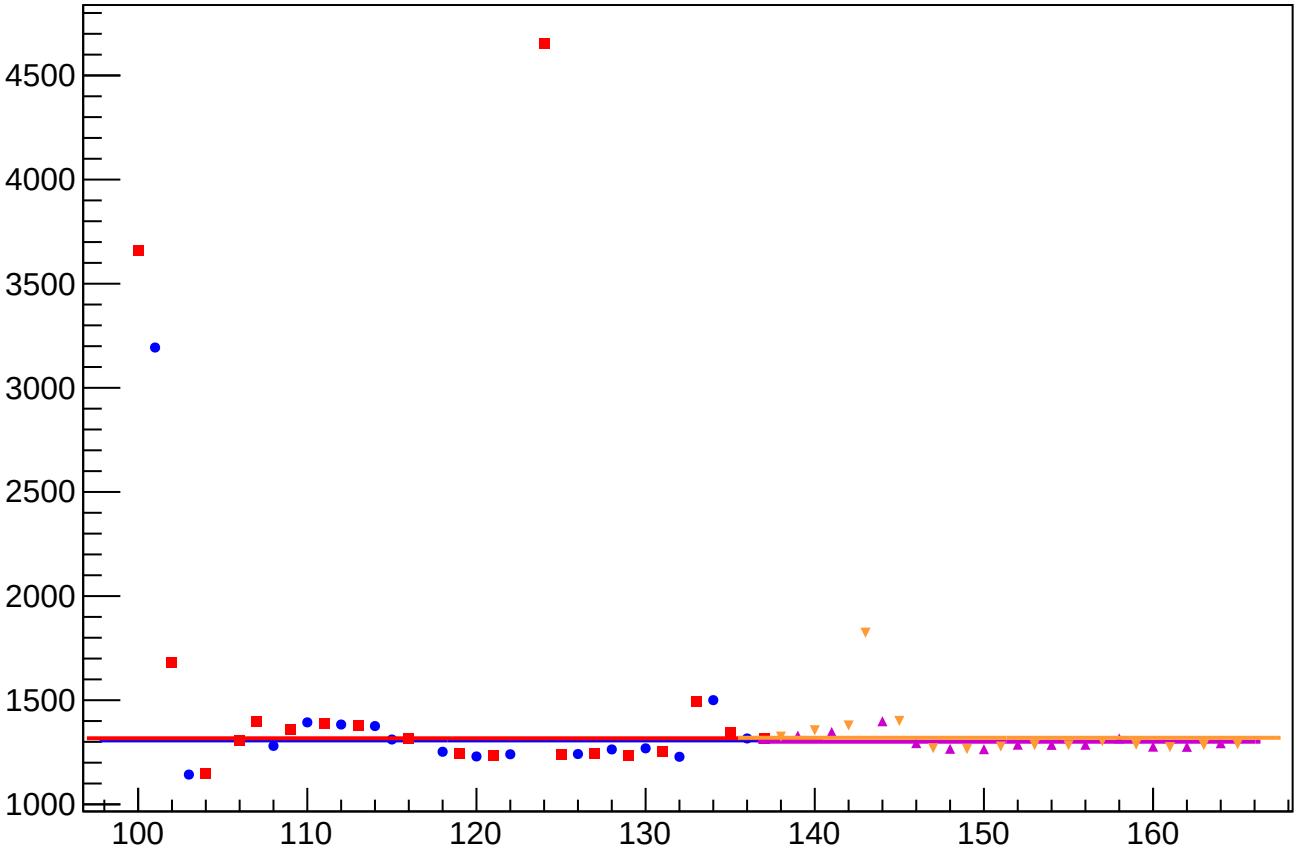
Left In: -2717.705+/-392.849 χ^2/NDF:20.2/12

+ sign 1878.470+/-303.948 χ^2/NDF: 33.1/30

All: -231.365+/-216.221 χ^2/NDF: 172.1/62

- sign -2392.889+/-307.649 χ^2/NDF: 41.5/31

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: 1319.620+/-0.272 χ^2/NDF:148630.5/14

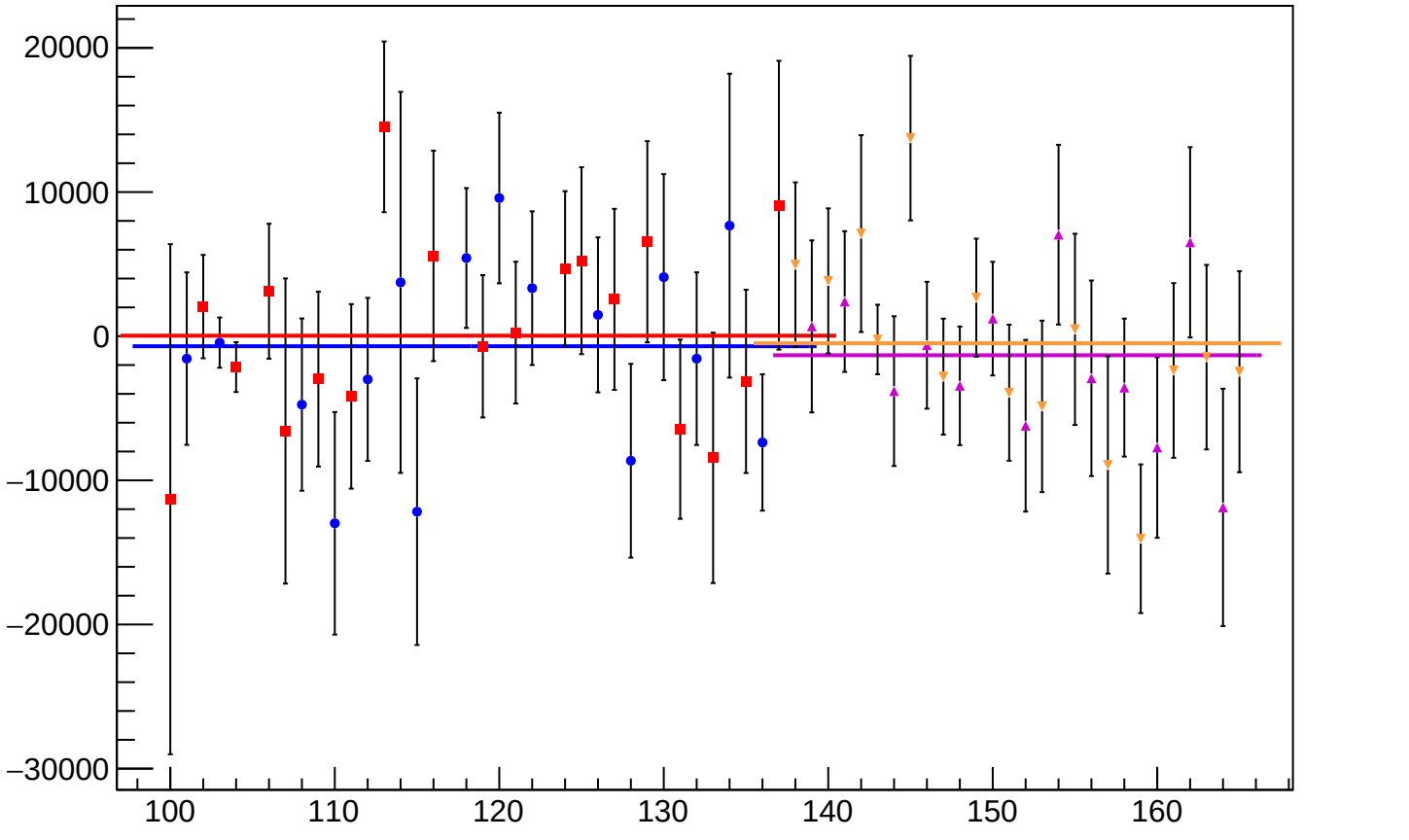
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

+ sign 1314.895+/-0.215 χ^2/NDF: 665681.8/30

All: 1311.008+/-0.153 χ^2/NDF: 1010274.3/62

- sign 1307.031+/-0.217 χ^2/NDF: 343930.8/31



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -490.418+/-1250.874 χ^2/NDF:19.5/14

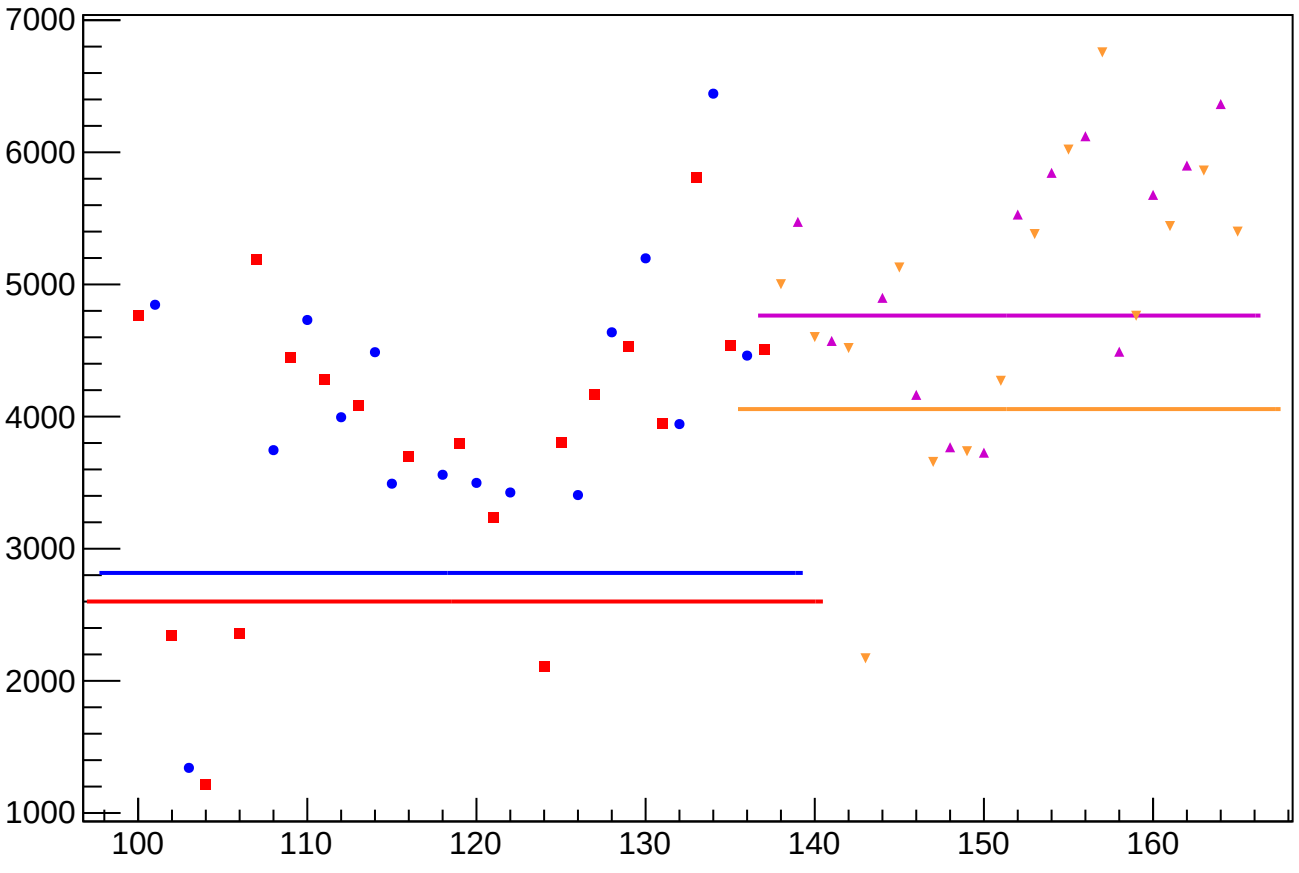
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1321.154+/-1466.797 χ^2/NDF:8.5/12

+ sign -598.591+/-859.283 χ^2/NDF: 34.2/30

All: -526.687+/-614.495 χ^2/NDF: 59.2/62

- sign -451.427+/-879.109 χ^2/NDF: 25.0/31



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4056.777+/-0.885 χ^2/NDF:2324130.0/14

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

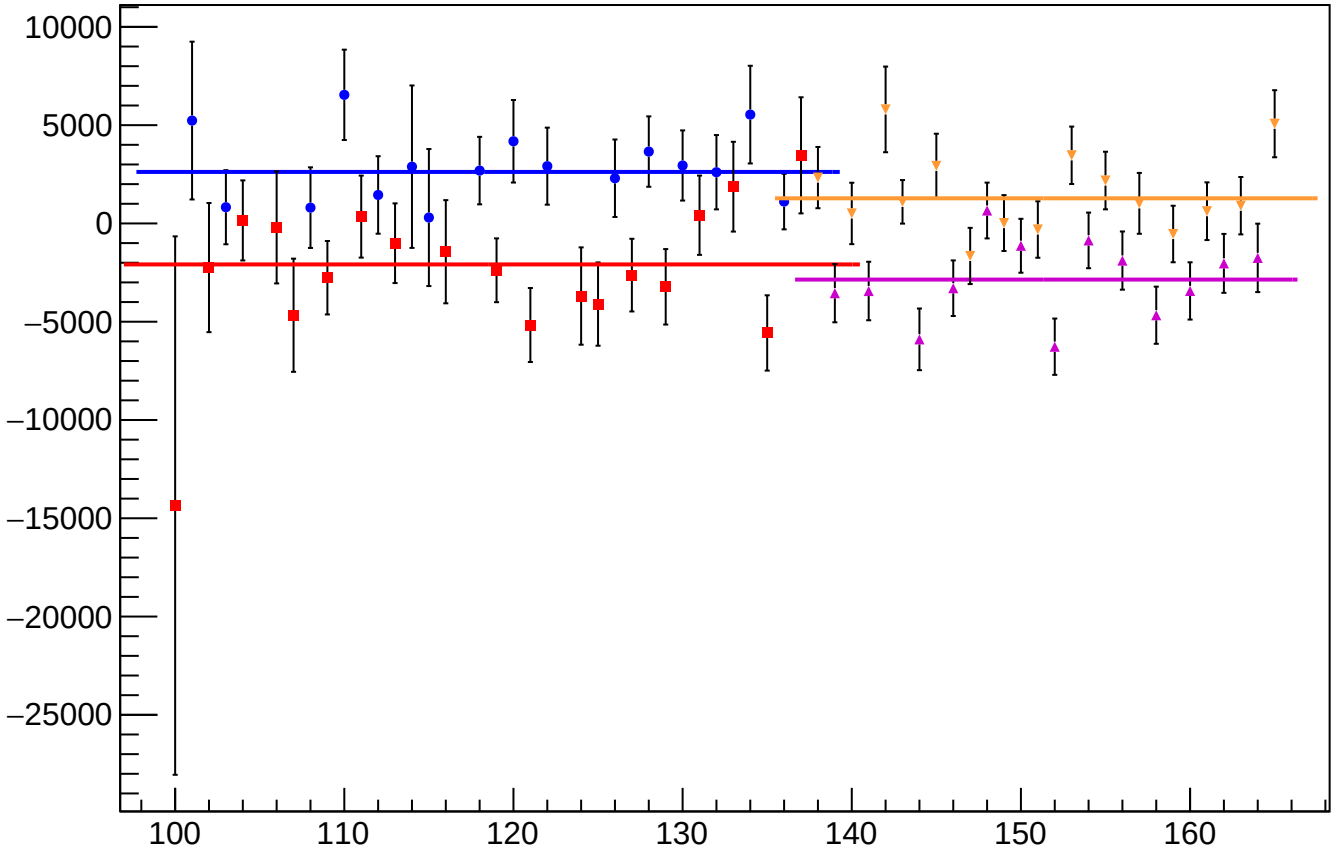
Left In: 4764.473+/-1.037 χ^2/NDF:682826.9/12

\+ sign 3401.931+/-0.608 χ^2/NDF: 6369614.4/30

All: 3390.156+/-0.435 χ^2/NDF: 12923320.2/6

\- sign 3377.831+/-0.622 χ^2/NDF: 6552937.2/31

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1278.266+/-383.419 χ^2/NDF:21.7/14

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

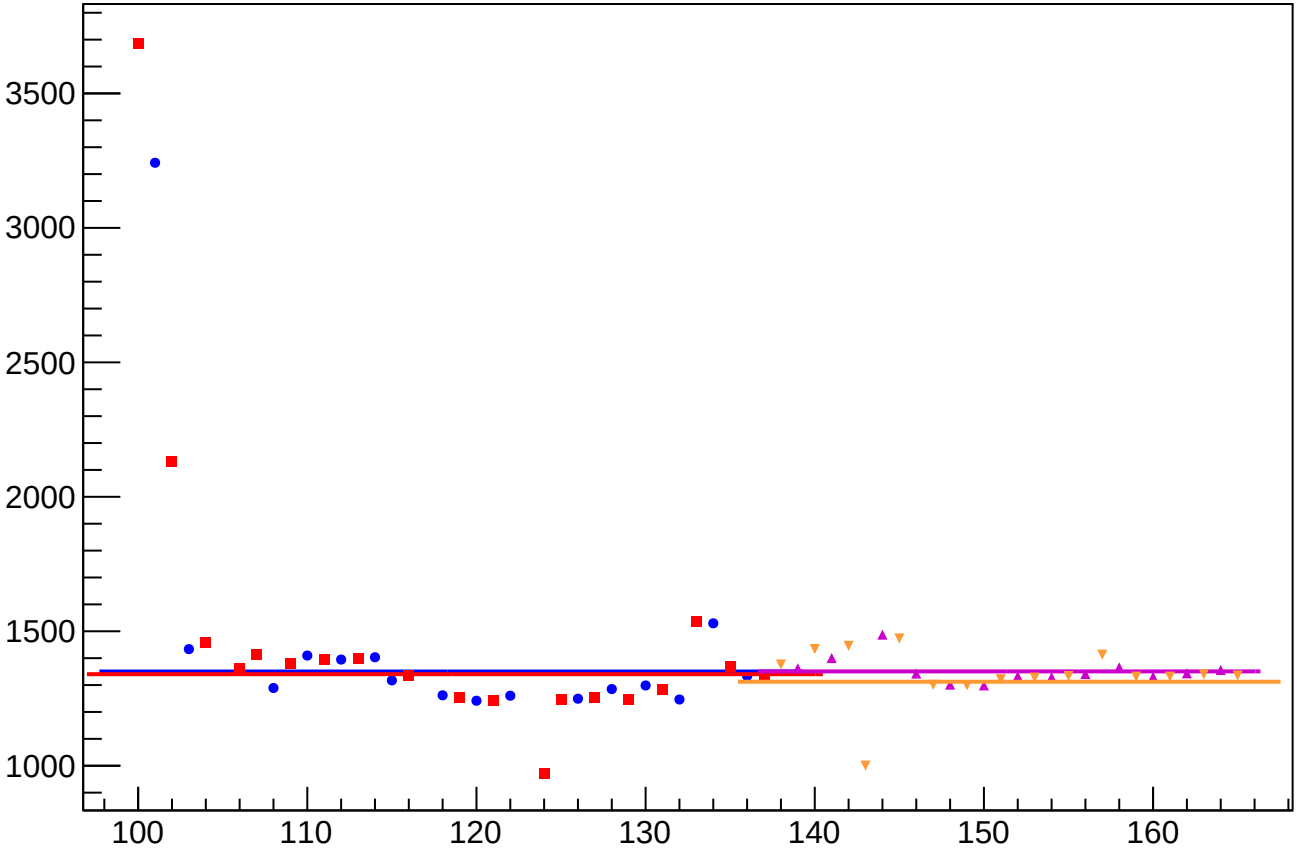
Left In: -2856.400+/-408.125 χ^2/NDF:22.4/12

+ sign 1761.139+/-306.797 χ^2/NDF: 35.4/30

All: -322.133+/-220.589 χ^2/NDF: 175.7/62

- sign -2551.775+/-317.392 χ^2/NDF: 44.8/31

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1312.356+/-0.271 χ^2/NDF:212467.6/14

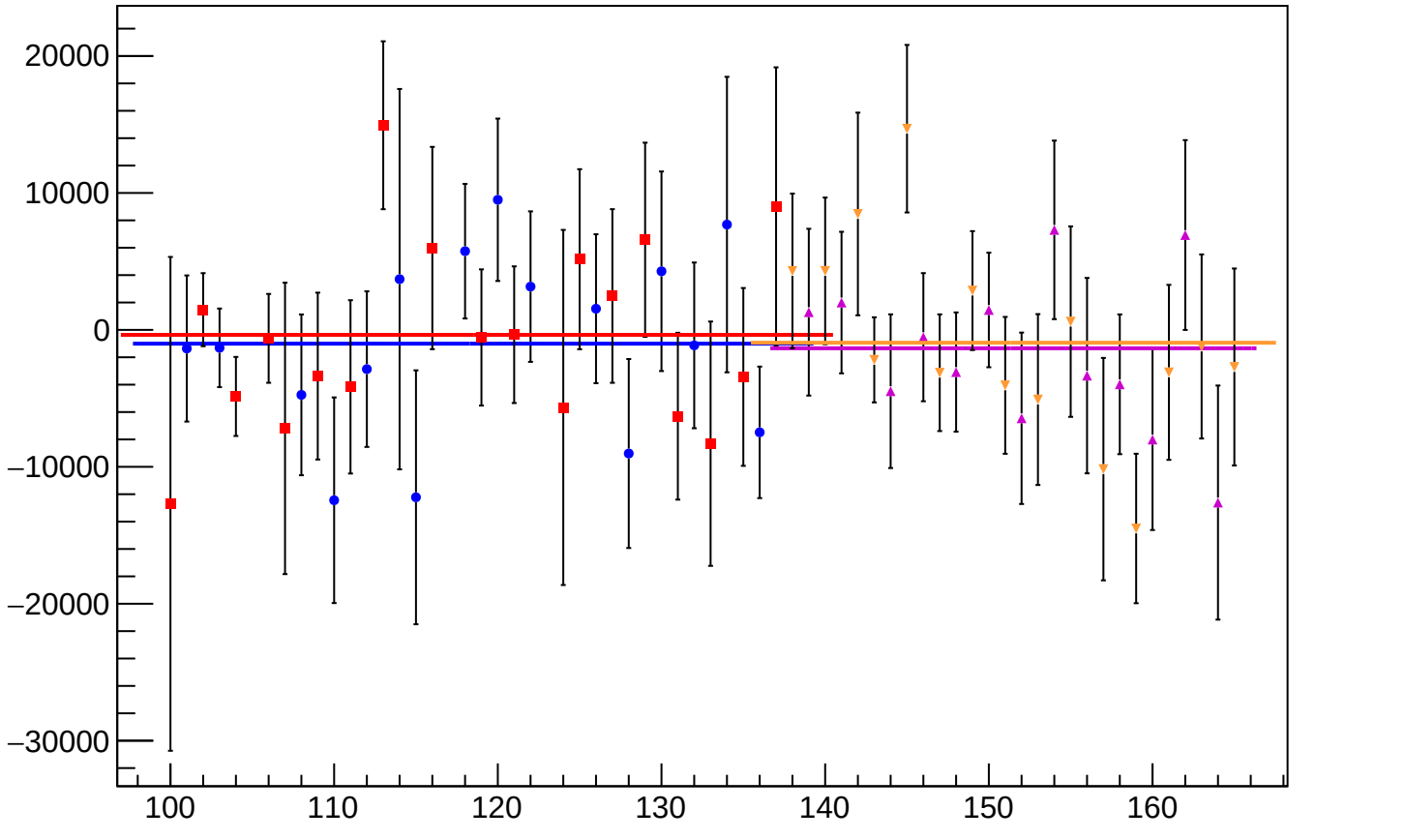
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1350.809+/-0.289 χ^2/NDF:24400.2/12

+ sign 1326.031+/-0.217 χ^2/NDF: 713590.8/30

All: 1336.019+/-0.156 χ^2/NDF: 1015073.5/62

- sign 1346.703+/-0.224 χ^2/NDF: 297095.4/31



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -937.526+/-1381.455 χ^2/NDF:19.7/14

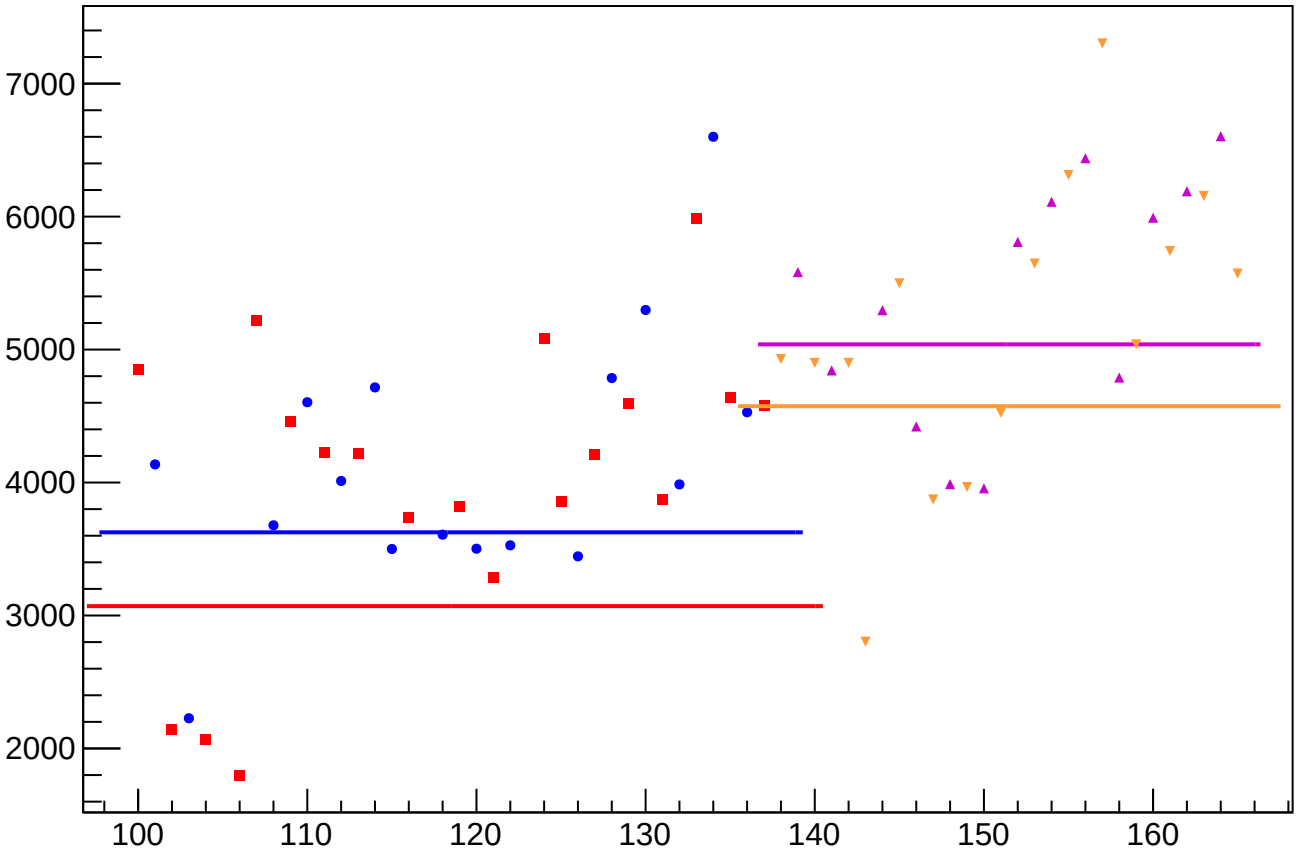
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -1343.239+/-1549.867 χ^2/NDF:8.5/12

+ sign -971.567+/-984.868 χ^2/NDF: 34.3/30

All: -847.621+/-683.773 χ^2/NDF: 59.3/62

- sign -732.278+/-950.071 χ^2/NDF: 25.0/31



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4574.339+/-0.977 χ^2/NDF:1448531.6/14

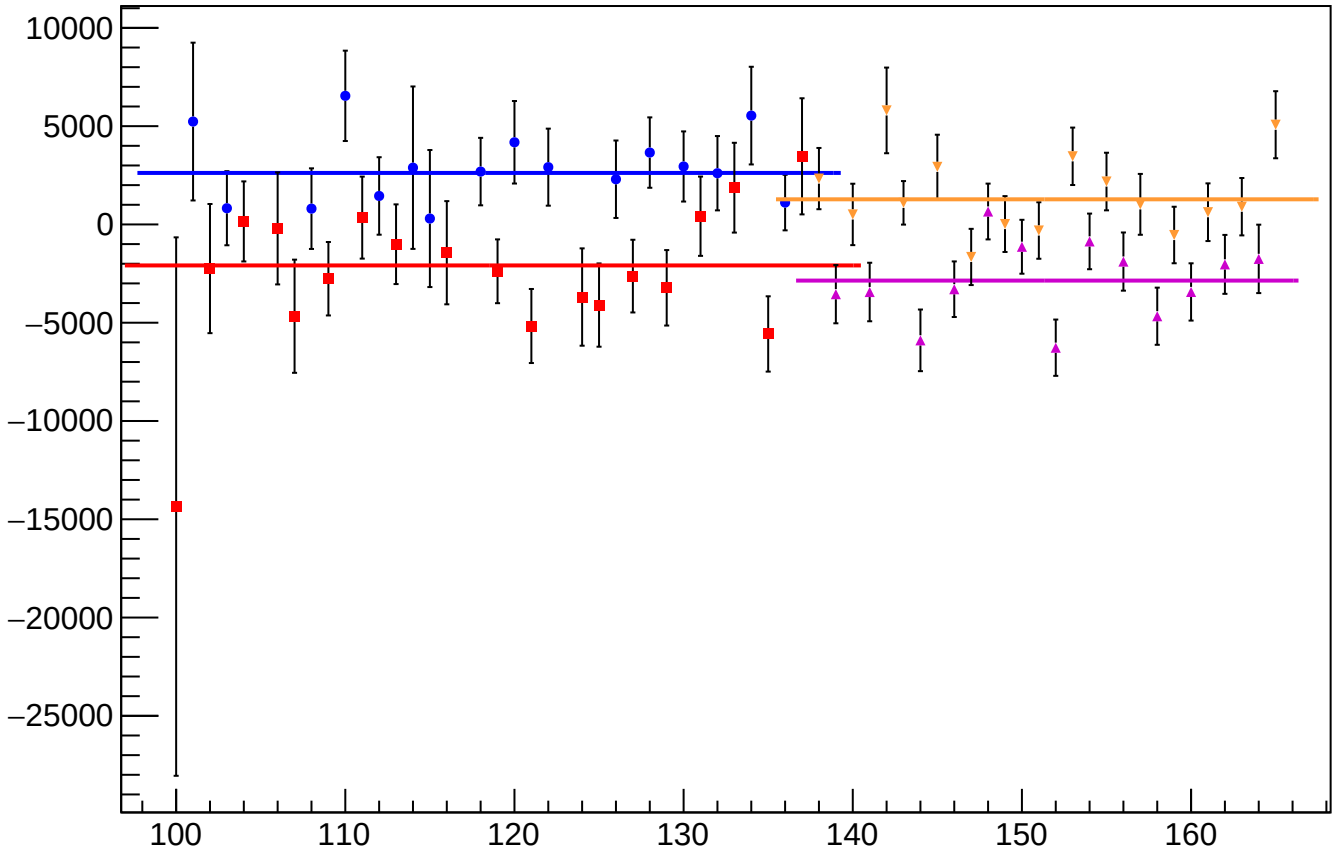
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5039.241+/-1.096 χ^2/NDF:638611.5/12

+ sign 4107.759+/-0.696 χ^2/NDF: 2857385.1/30

All: 3953.662+/-0.484 χ^2/NDF: 7443777.6/62

- sign 3810.261+/-0.672 χ^2/NDF: 4491866.0/31



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1278.258+/-383.419 χ^2/NDF:21.7/14

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

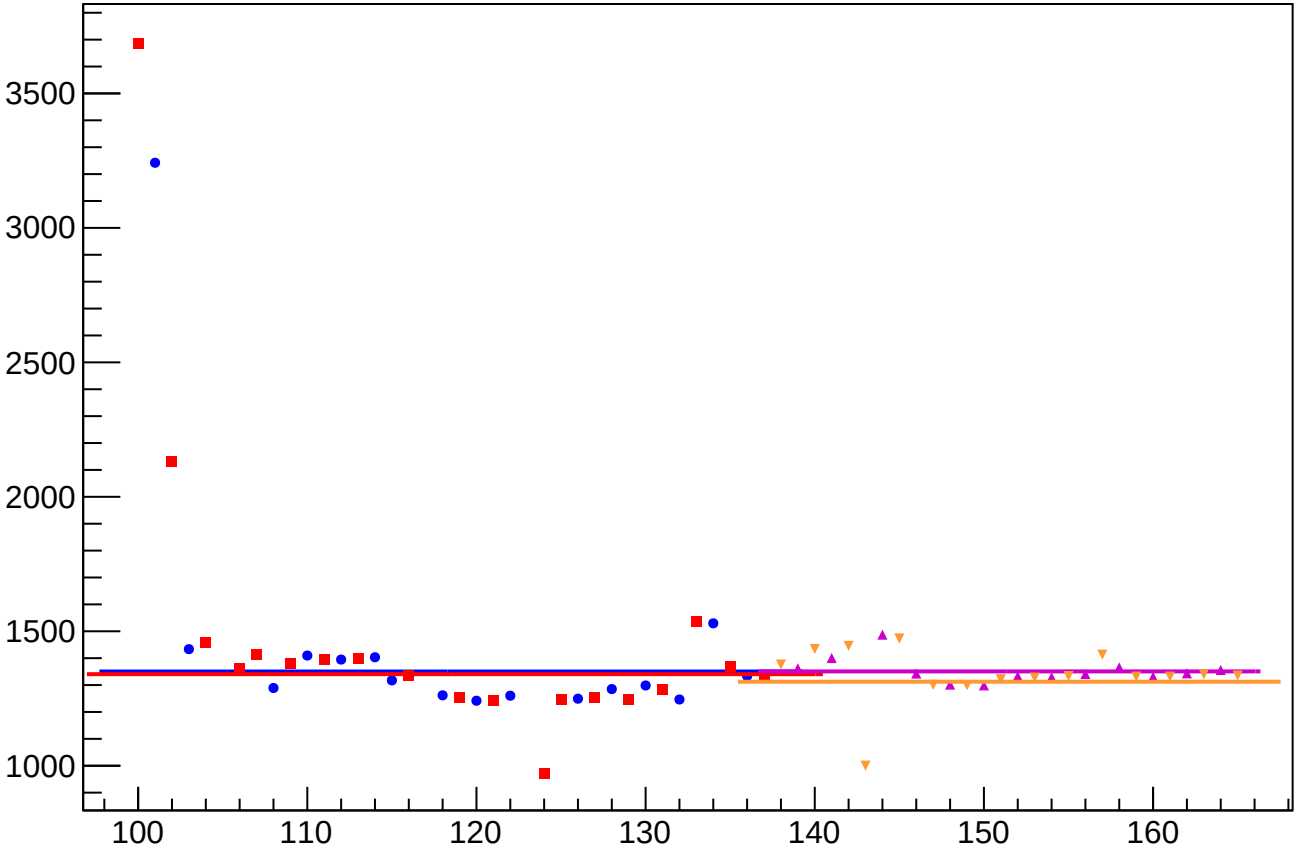
Left In: -2856.401+/-408.125 χ^2/NDF:22.4/12

+ sign 1761.135+/-306.797 χ^2/NDF: 35.4/30

All: -322.135+/-220.589 χ^2/NDF: 175.7/62

- sign -2551.777+/-317.392 χ^2/NDF: 44.8/31

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: 1312.357+/-0.271 χ^2/NDF:212468.3/14

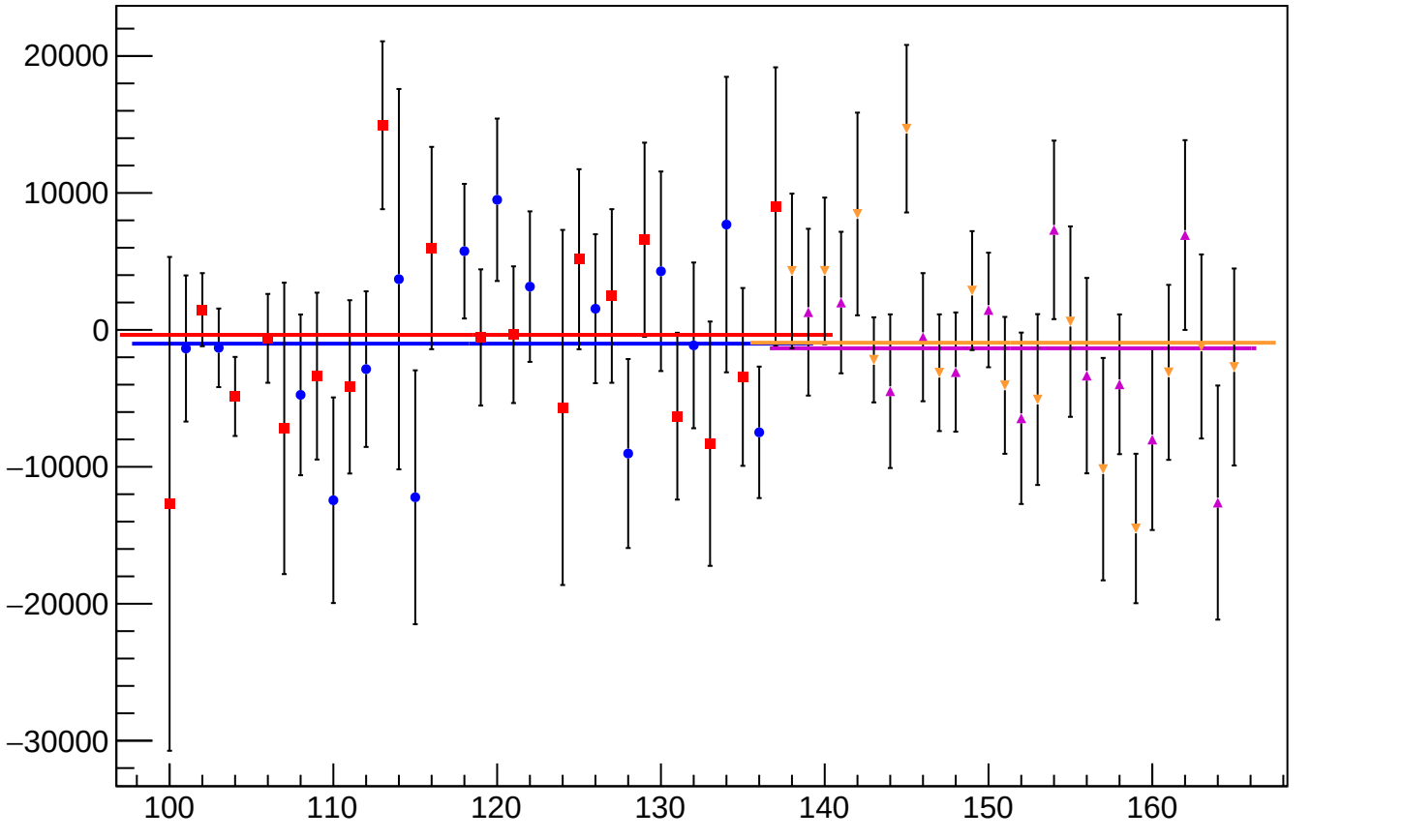
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1350.810+/-0.289 χ^2/NDF:24400.4/12

+ sign 1326.032+/-0.217 χ^2/NDF: 713590.9/30

All: 1336.020+/-0.156 χ^2/NDF: 1015073.0/62

- sign 1346.704+/-0.224 χ^2/NDF: 297094.8/31



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -937.532+/-1381.457 χ^2/NDF:19.7/14

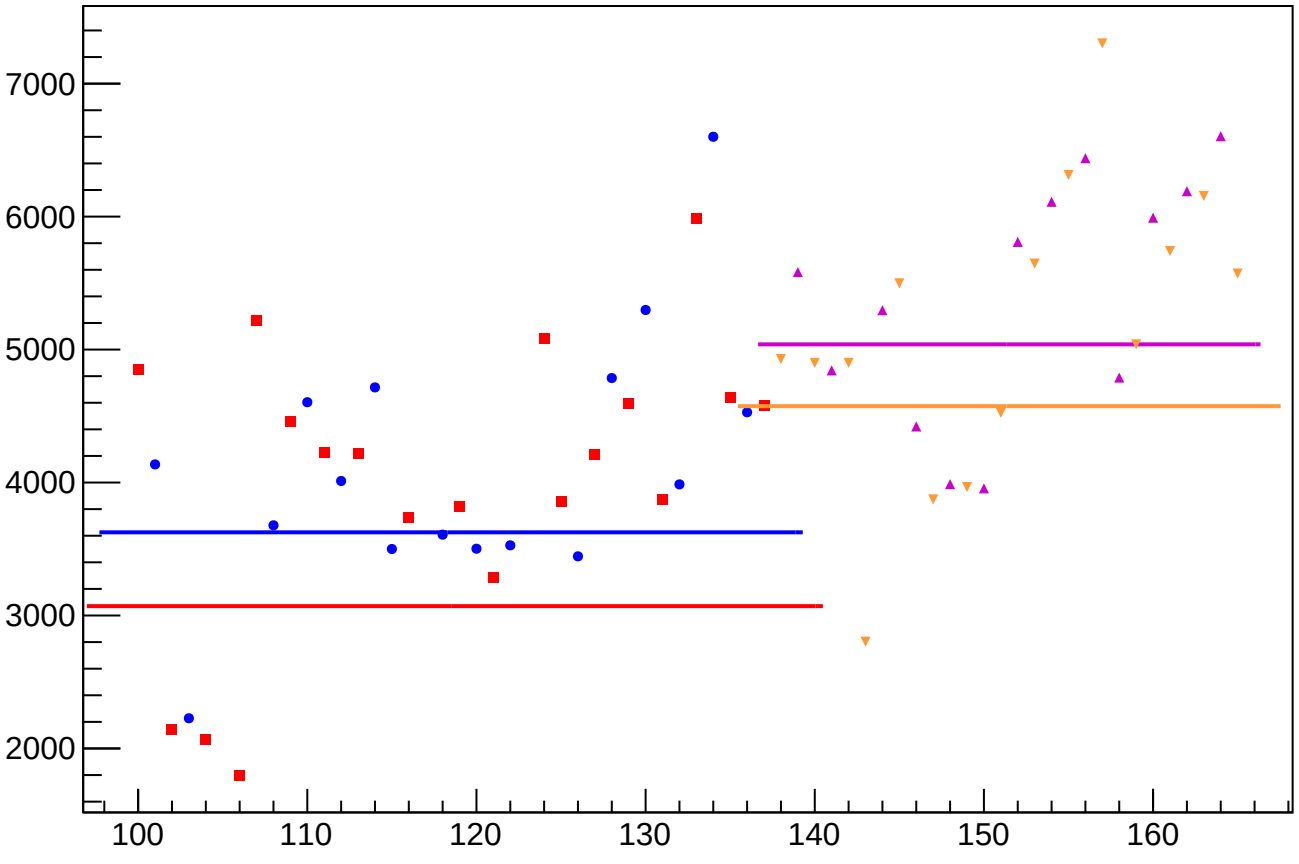
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1343.237+/-1549.869 χ^2/NDF:8.5/12

+ sign -971.566+/-984.868 χ^2/NDF: 34.3/30

All: -847.619+/-683.772 χ^2/NDF: 59.3/62

- sign -732.276+/-950.070 χ^2/NDF: 25.0/31



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4574.346+/-0.977 χ^2/NDF:1448532.4/14

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

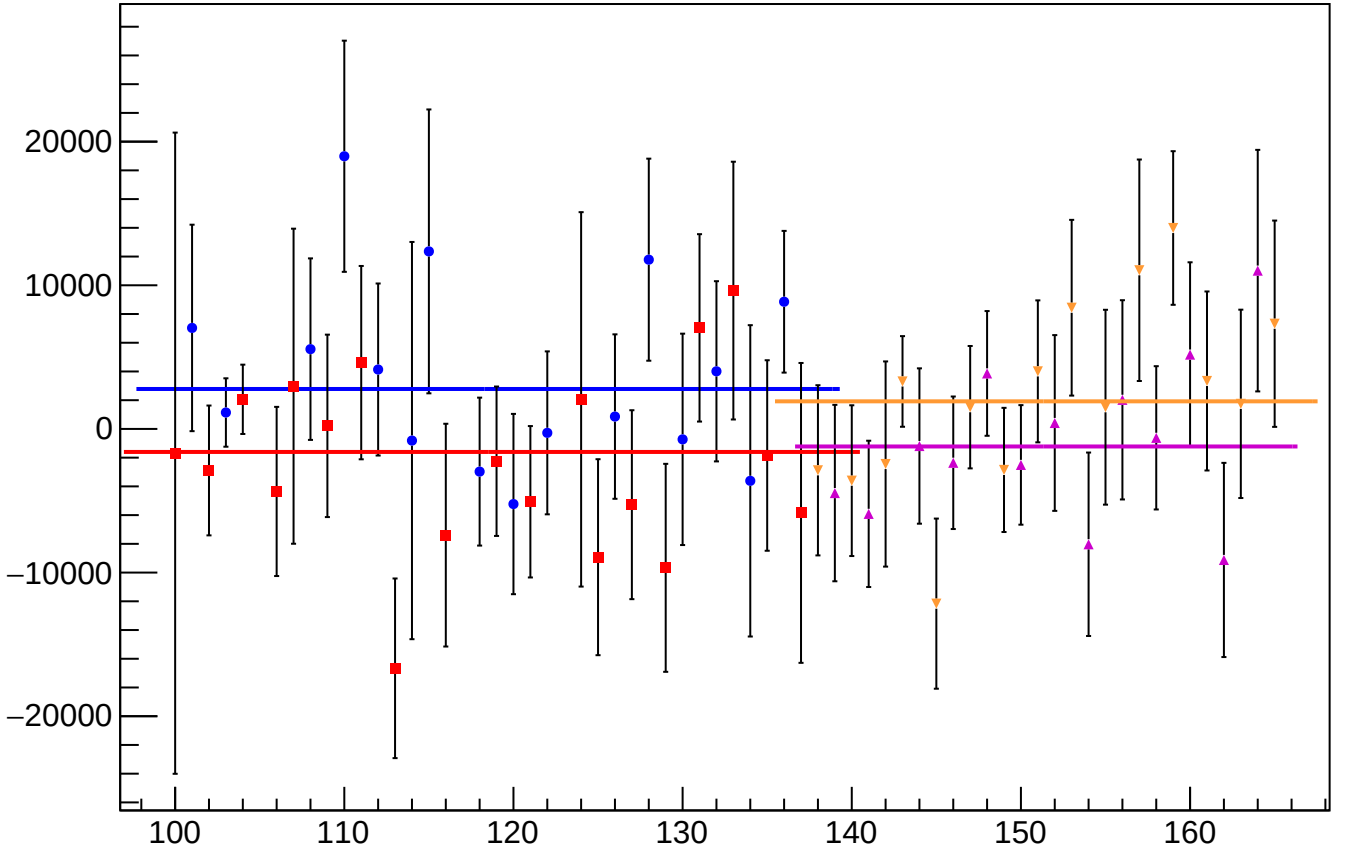
Left In: 5039.248+/-1.096 χ^2/NDF:638613.1/12

+ sign 4107.757+/-0.696 χ^2/NDF: 2857404.1/30

All: 3953.657+/-0.483 χ^2/NDF: 7443835.7/62

- sign 3810.255+/-0.672 χ^2/NDF: 4491902.5/31

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1920.933+/-1371.458 χ^2/NDF:17.6/14

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

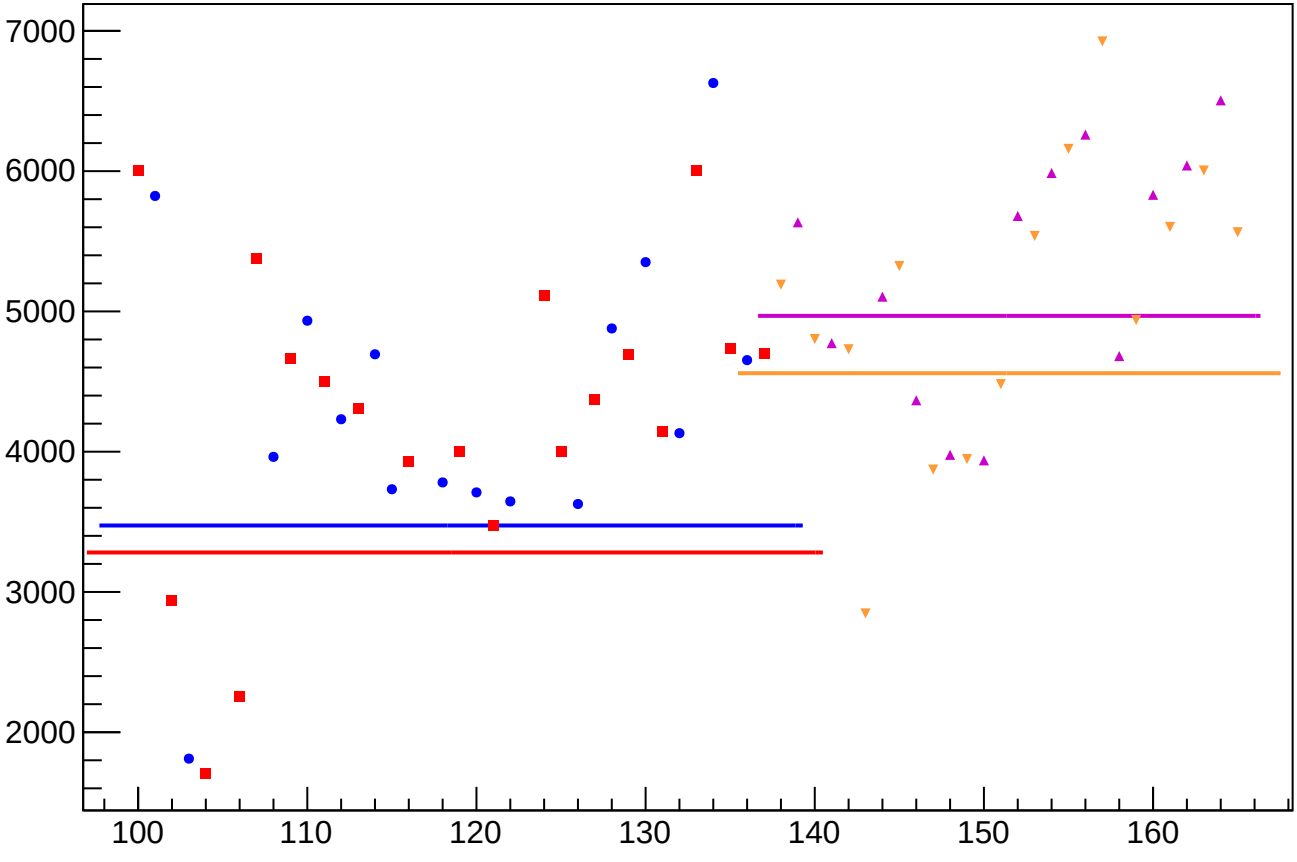
Left In: -1221.358+/-1525.778 χ^2/NDF:8.6/12

+ sign 2345.305+/-976.063 χ^2/NDF: 31.0/30

All: 510.445+/-700.379 χ^2/NDF: 63.7/62

- sign -1437.022+/-1005.567 χ^2/NDF: 25.4/31

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4559.536+/-0.970 χ^2/NDF:1296392.7/14

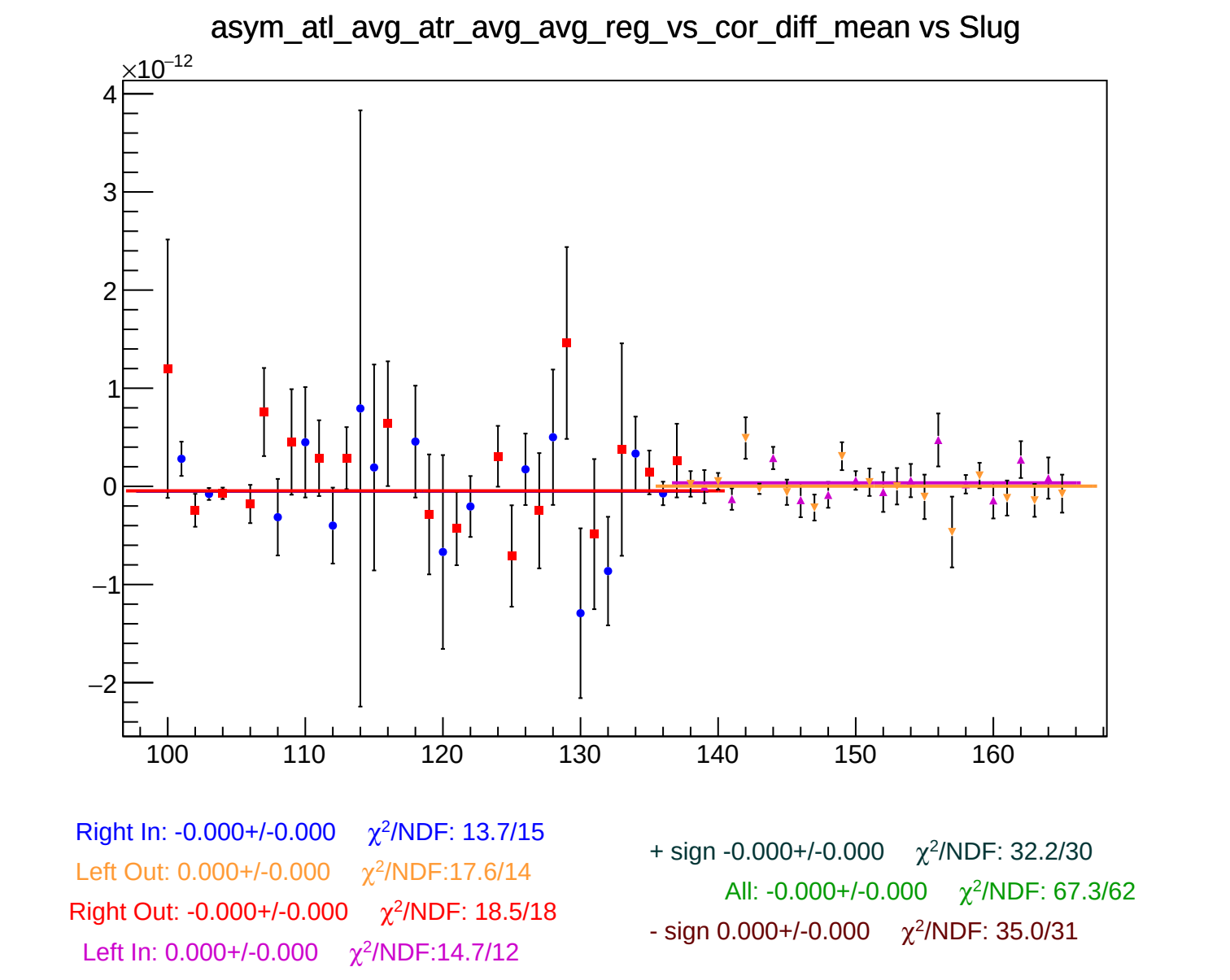
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

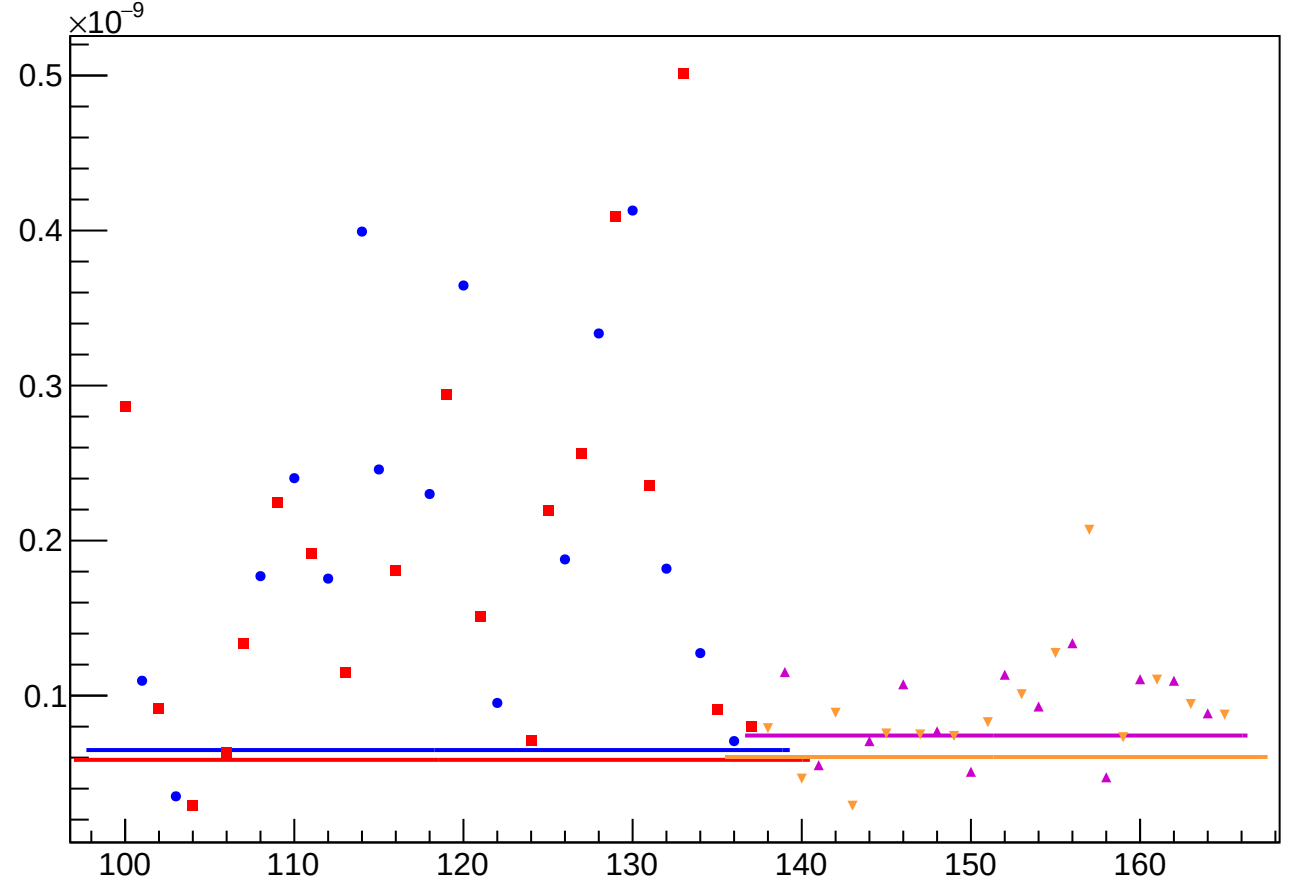
Left In: 4968.392+/-1.079 χ^2/NDF:595779.3/12

+ sign 4023.783+/-0.690 χ^2/NDF: 3758820.7/30

All: 4013.523+/-0.493 χ^2/NDF: 7629915.2/62

- sign 4002.804+/-0.705 χ^2/NDF: 3870642.7/31


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:17.6/14
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:14.7/12
+ sign -0.000+/-0.000 χ²/NDF: 32.2/30
All: -0.000+/-0.000 χ²/NDF: 67.3/62
- sign 0.000+/-0.000 χ²/NDF: 35.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1860022.0/14

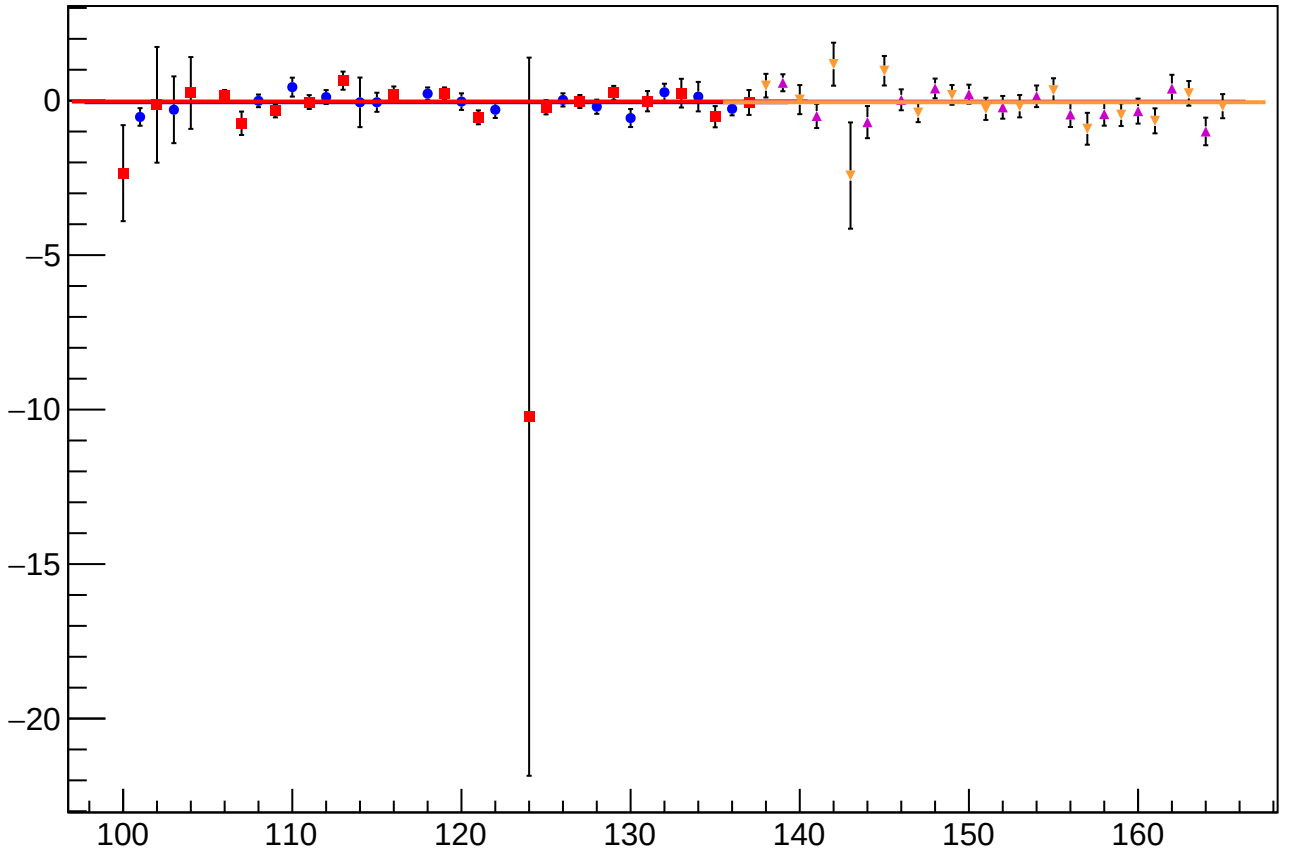
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:891071.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 4464963.5/30

All: 0.000+/-0.000 χ^2/NDF: 8390240.3/62

- sign 0.000+/-0.000 χ^2/NDF: 3876660.5/31



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.052+/-0.105 χ^2/NDF:21.6/14

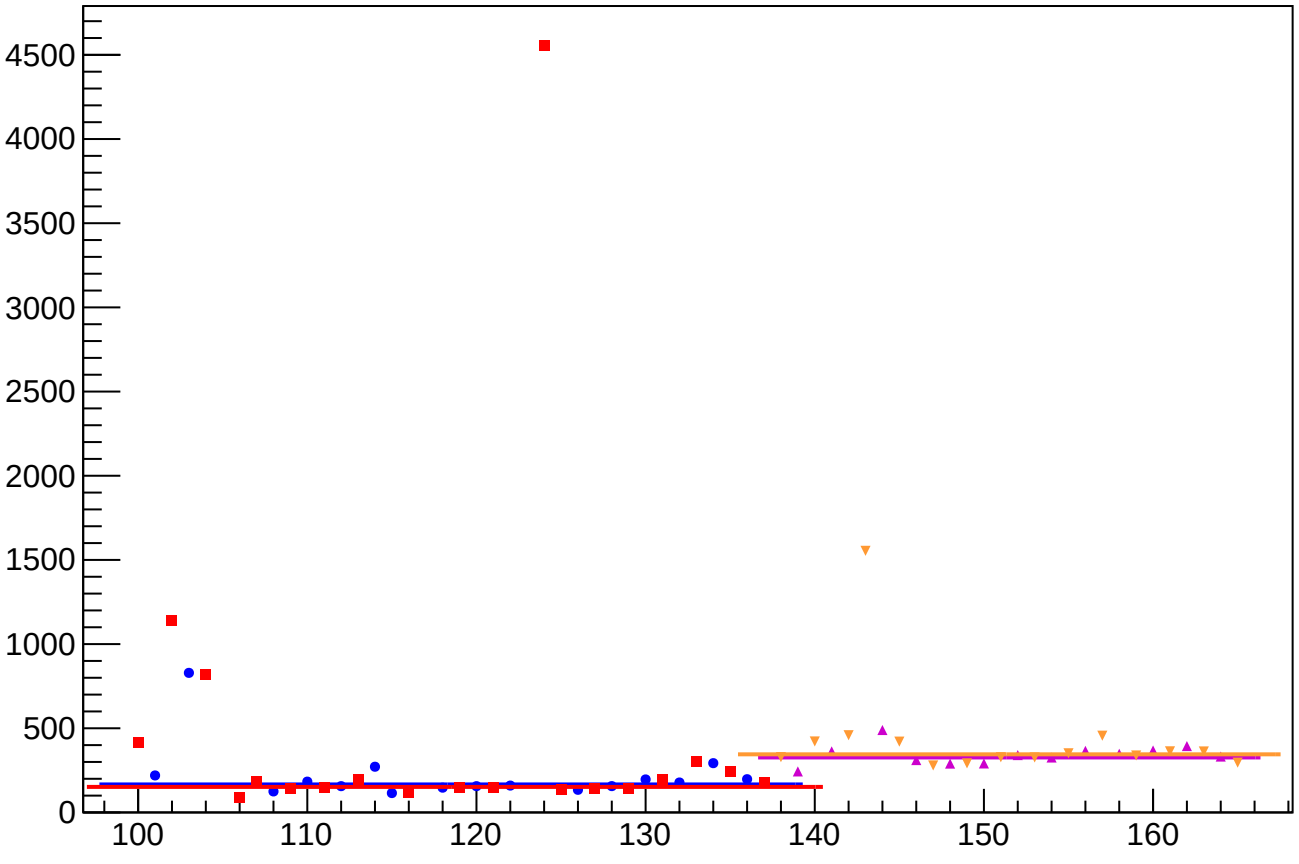
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.033+/-0.101 χ^2/NDF:19.3/12

+ sign -0.051+/-0.056 χ^2/NDF: 36.5/30

All: -0.040+/-0.039 χ^2/NDF: 83.4/62

- sign -0.030+/-0.054 χ^2/NDF: 46.8/31



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 345.257+/-0.074 χ^2/NDF:1438148.6/14

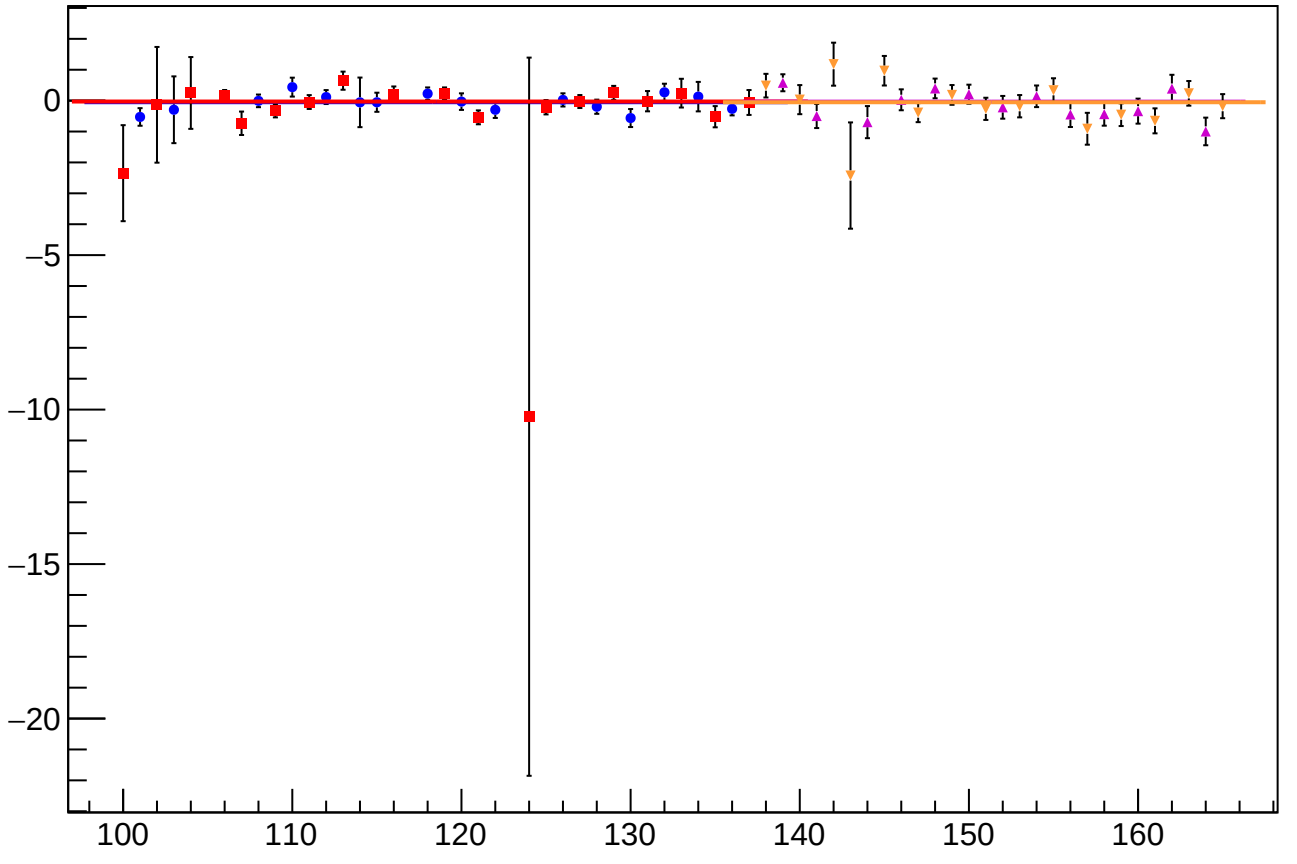
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.649+/-0.072 χ^2/NDF:548390.5/12

+ sign 217.811+/-0.040 χ^2/NDF: 6855242.1/30

All: 209.441+/-0.028 χ^2/NDF: 14063540.7/62

- sign 201.713+/-0.038 χ^2/NDF: 7123345.1/31



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.052+/-0.105 χ^2/NDF:21.6/14

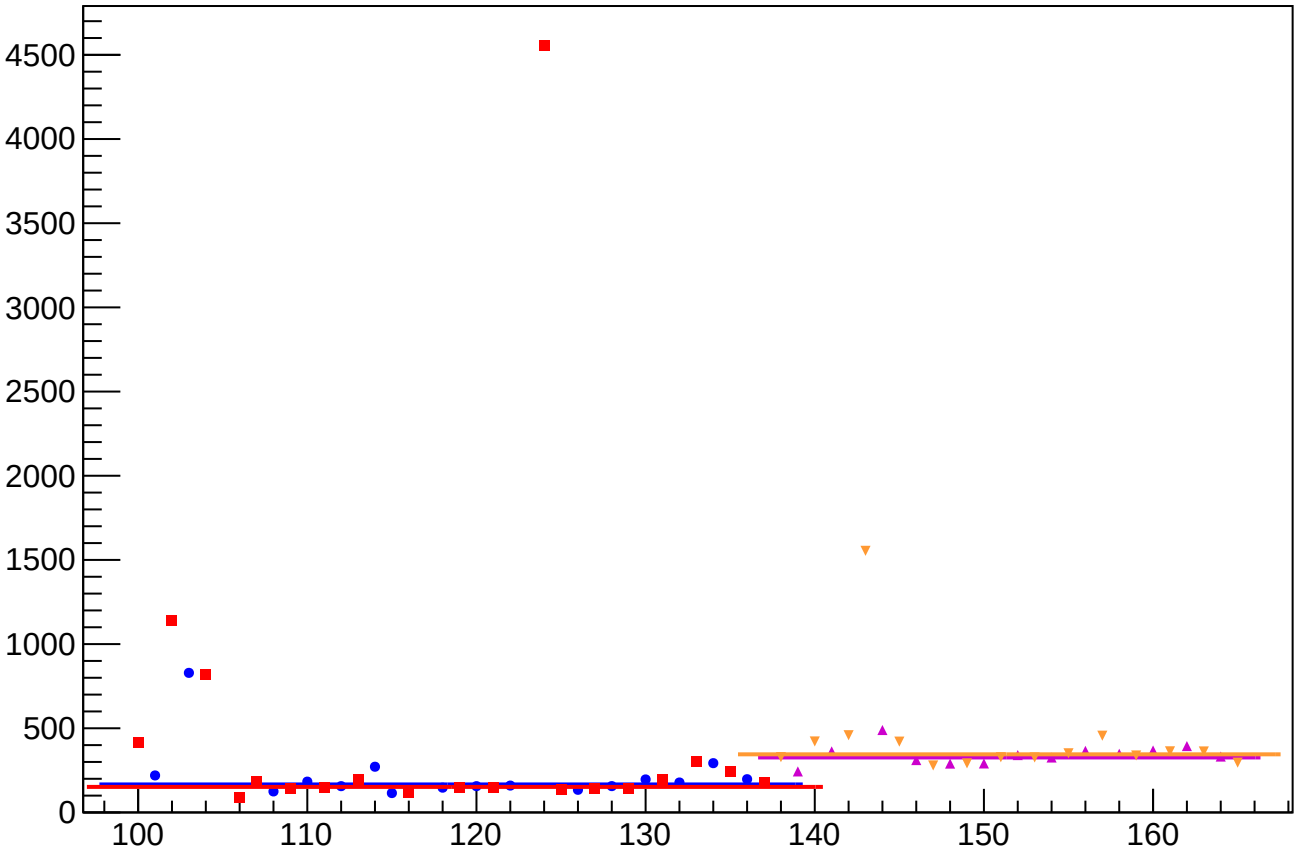
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.033+/-0.101 χ^2/NDF:19.3/12

+ sign -0.051+/-0.056 χ^2/NDF: 36.5/30

All: -0.040+/-0.039 χ^2/NDF: 83.4/62

- sign -0.030+/-0.054 χ^2/NDF: 46.8/31



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 345.257+/-0.074 χ^2/NDF:1438148.6/14

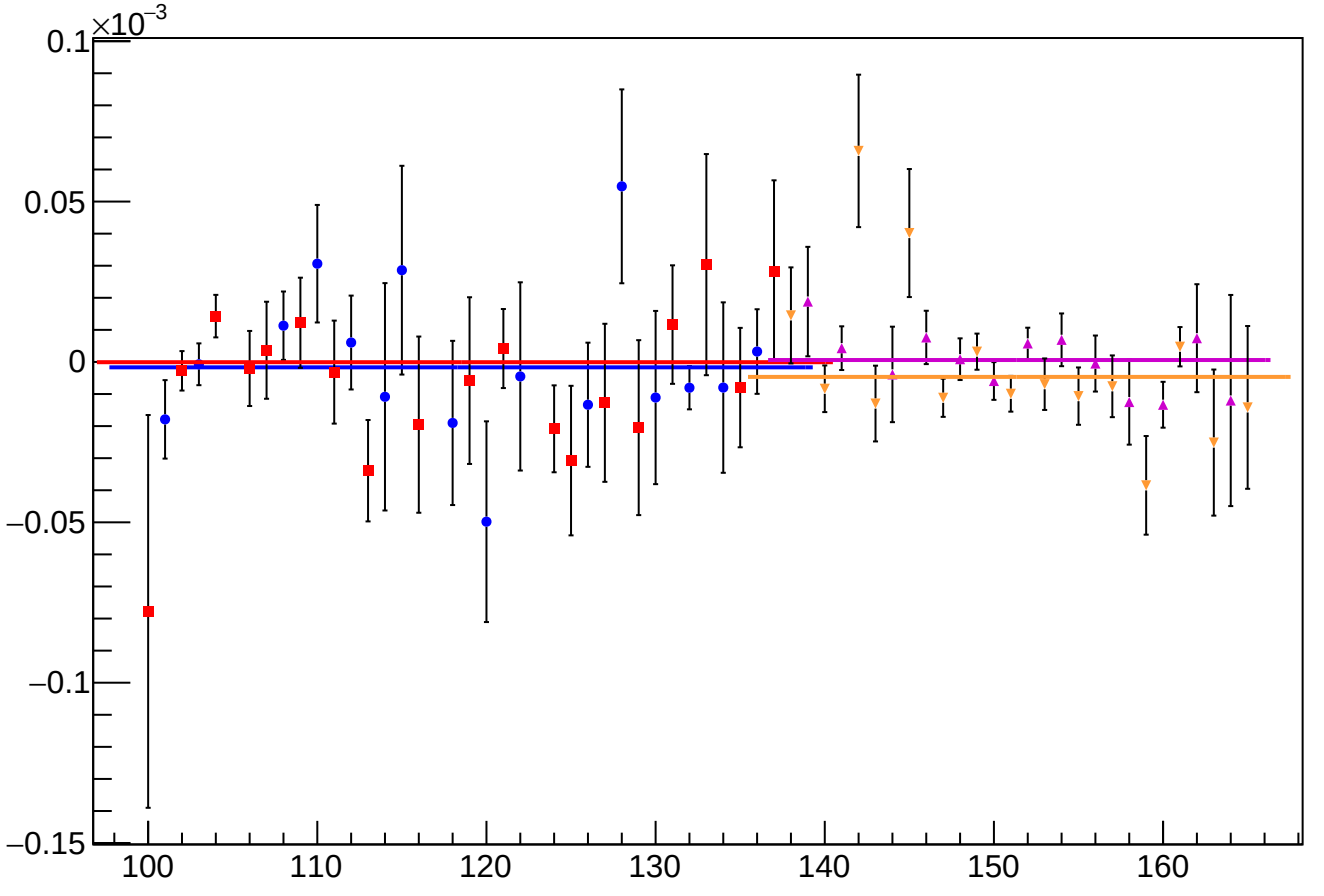
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.649+/-0.072 χ^2/NDF:548390.5/12

+ sign 217.811+/-0.040 χ^2/NDF: 6855242.1/30

All: 209.441+/-0.028 χ^2/NDF: 14063540.7/62

- sign 201.713+/-0.038 χ^2/NDF: 7123345.1/31



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.0/14

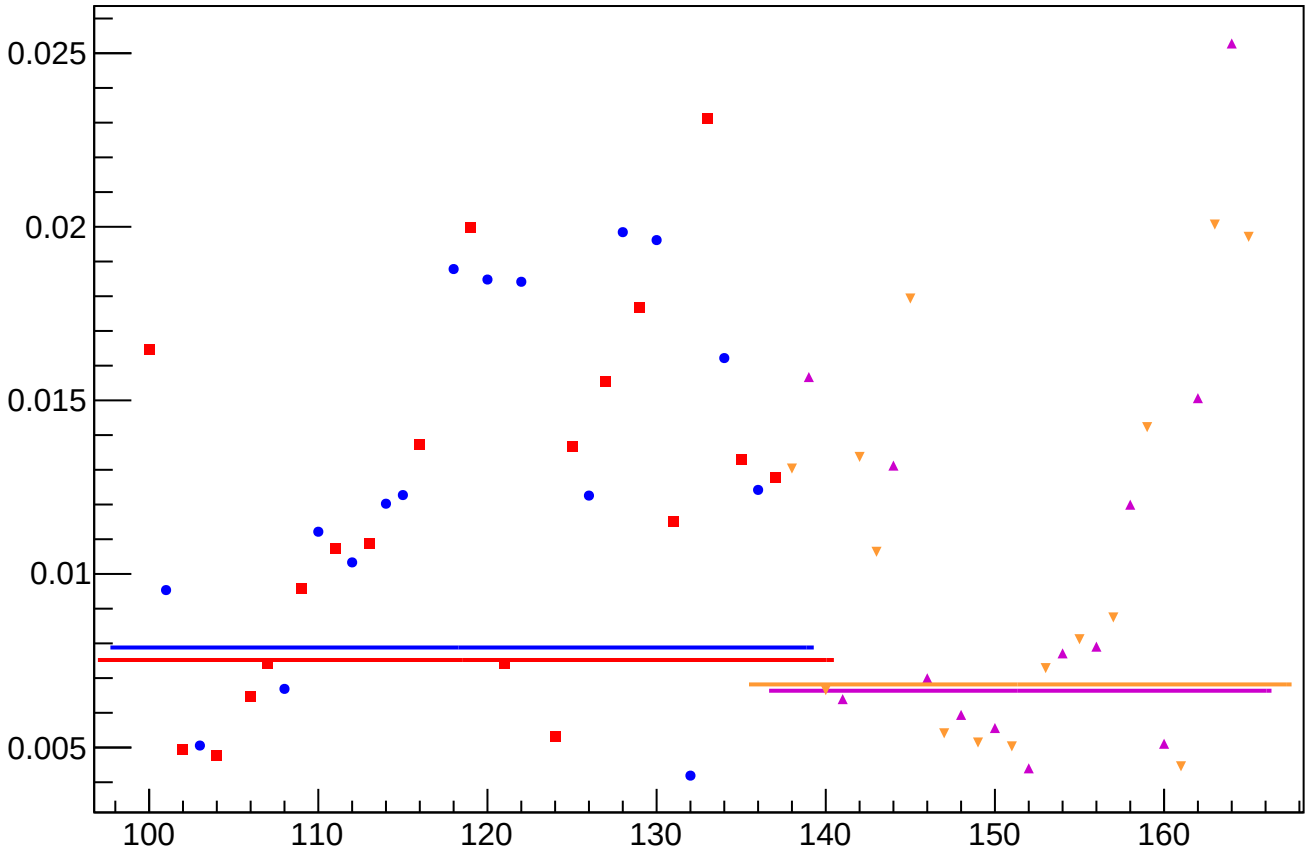
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/12

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/30

All: -0.000+/-0.000 χ^2/NDF: 77.8/62

- sign 0.000+/-0.000 χ^2/NDF: 30.2/31



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:3905448.9/14

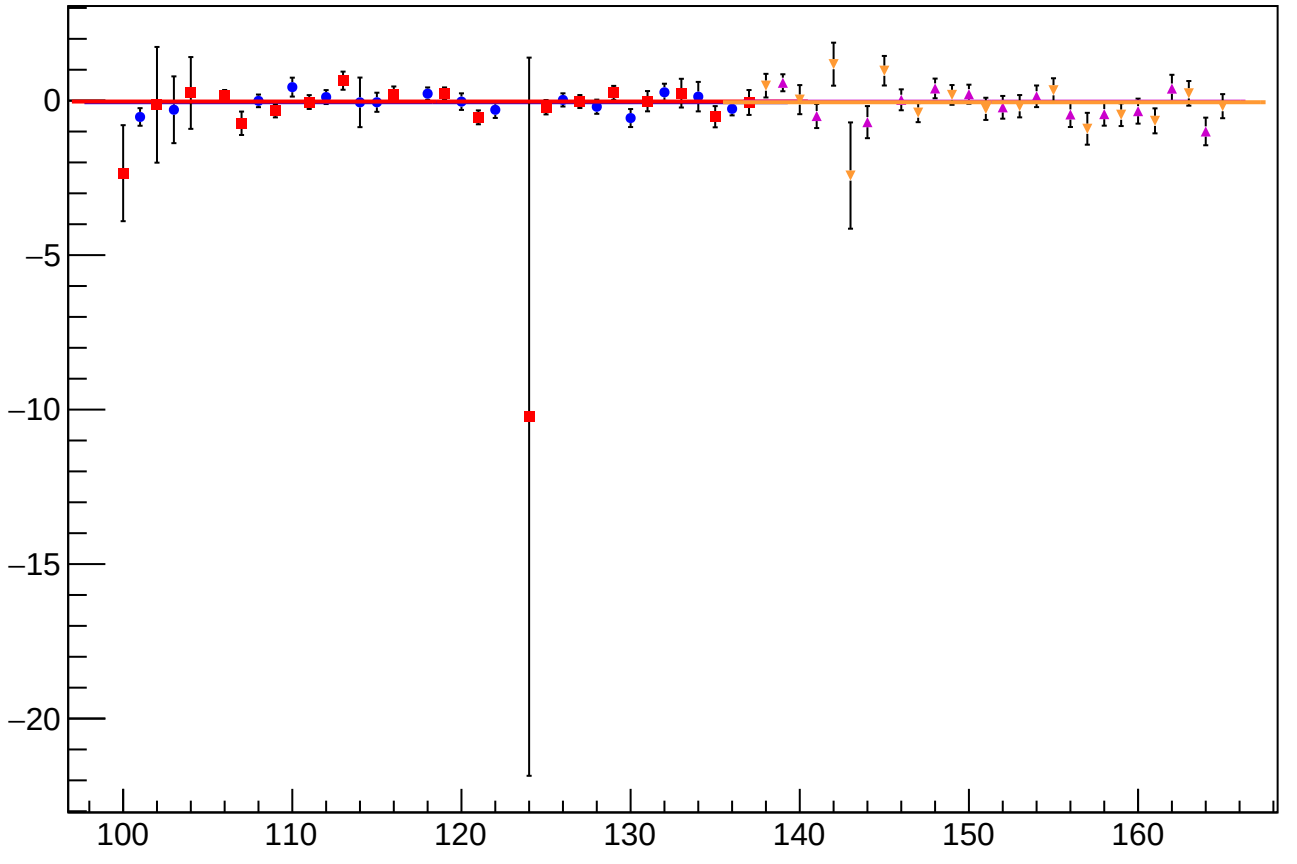
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:3088265.4/12

+ sign 0.007+/-0.000 χ^2/NDF: 7343763.4/30

All: 0.007+/-0.000 χ^2/NDF: 13524036.0/62

- sign 0.007+/-0.000 χ^2/NDF: 6168554.5/31



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.052+/-0.105 χ^2/NDF:21.6/14

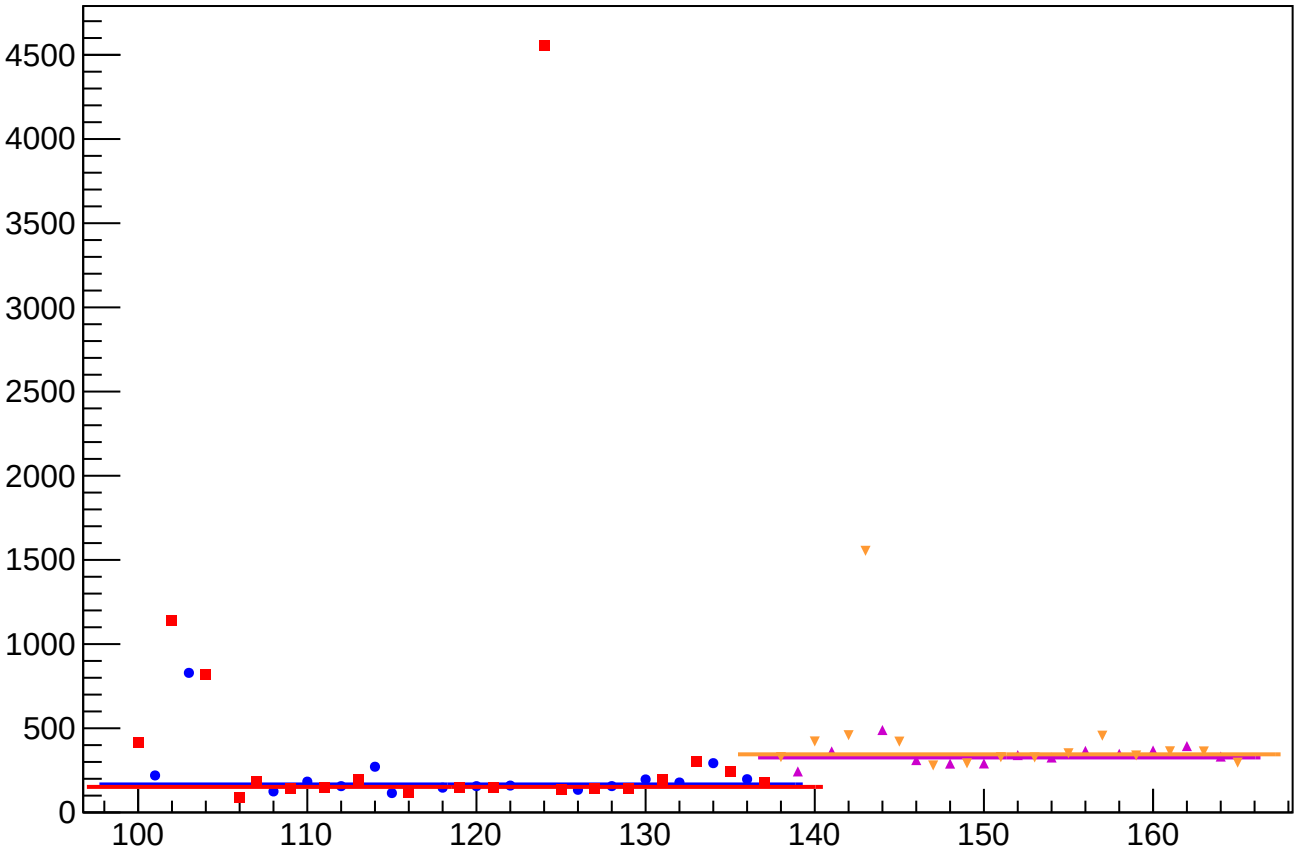
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.033+/-0.101 χ^2/NDF:19.3/12

+ sign -0.051+/-0.056 χ^2/NDF: 36.5/30

All: -0.040+/-0.039 χ^2/NDF: 83.4/62

- sign -0.030+/-0.054 χ^2/NDF: 46.8/31



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 345.262+/-0.074 χ^2/NDF:1438143.7/14

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

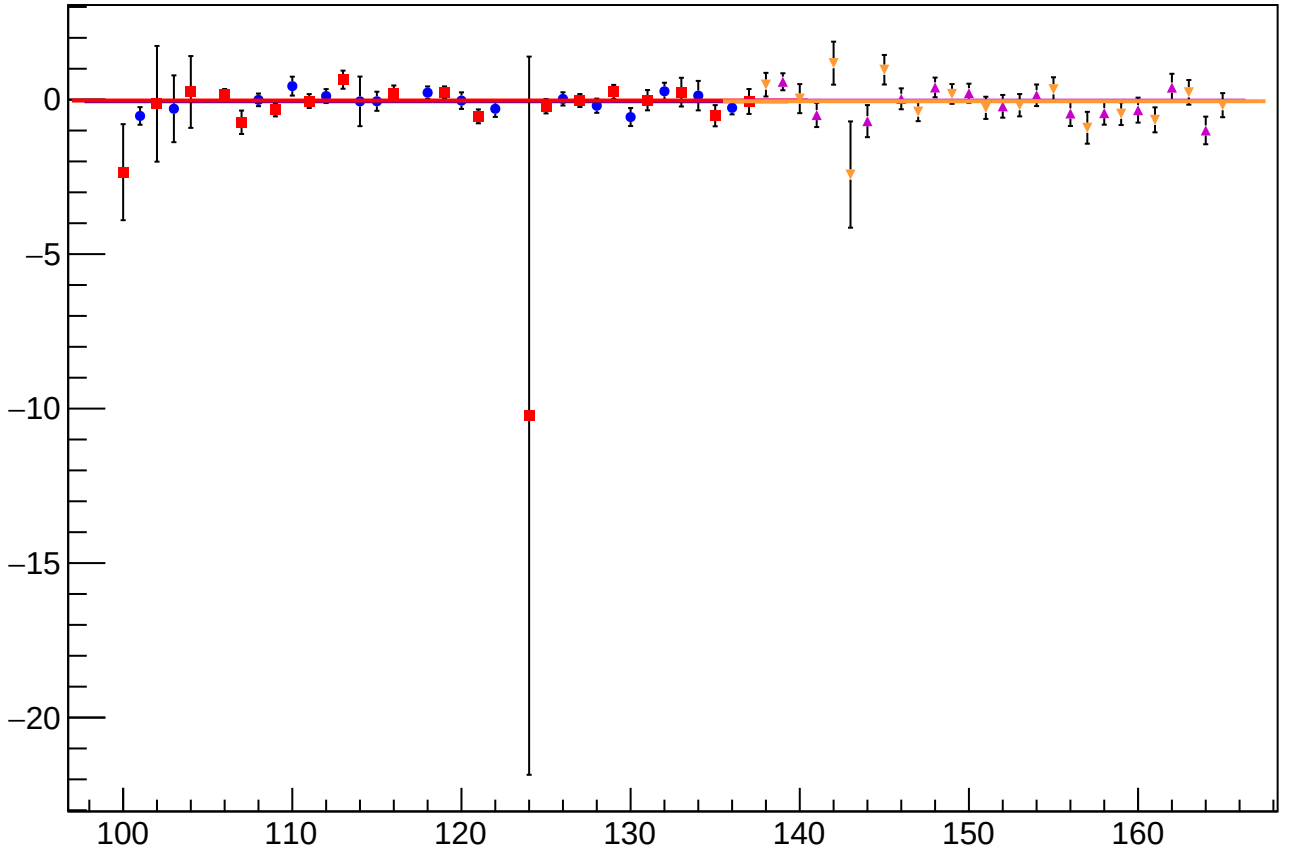
Left In: 326.654+/-0.072 χ^2/NDF:548382.7/12

+ sign 217.810+/-0.040 χ^2/NDF: 6855436.9/30

All: 209.440+/-0.028 χ^2/NDF: 14063975.9/62

- sign 201.712+/-0.038 χ^2/NDF: 7123577.8/31

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.052+/-0.105 χ^2/NDF:21.6/14

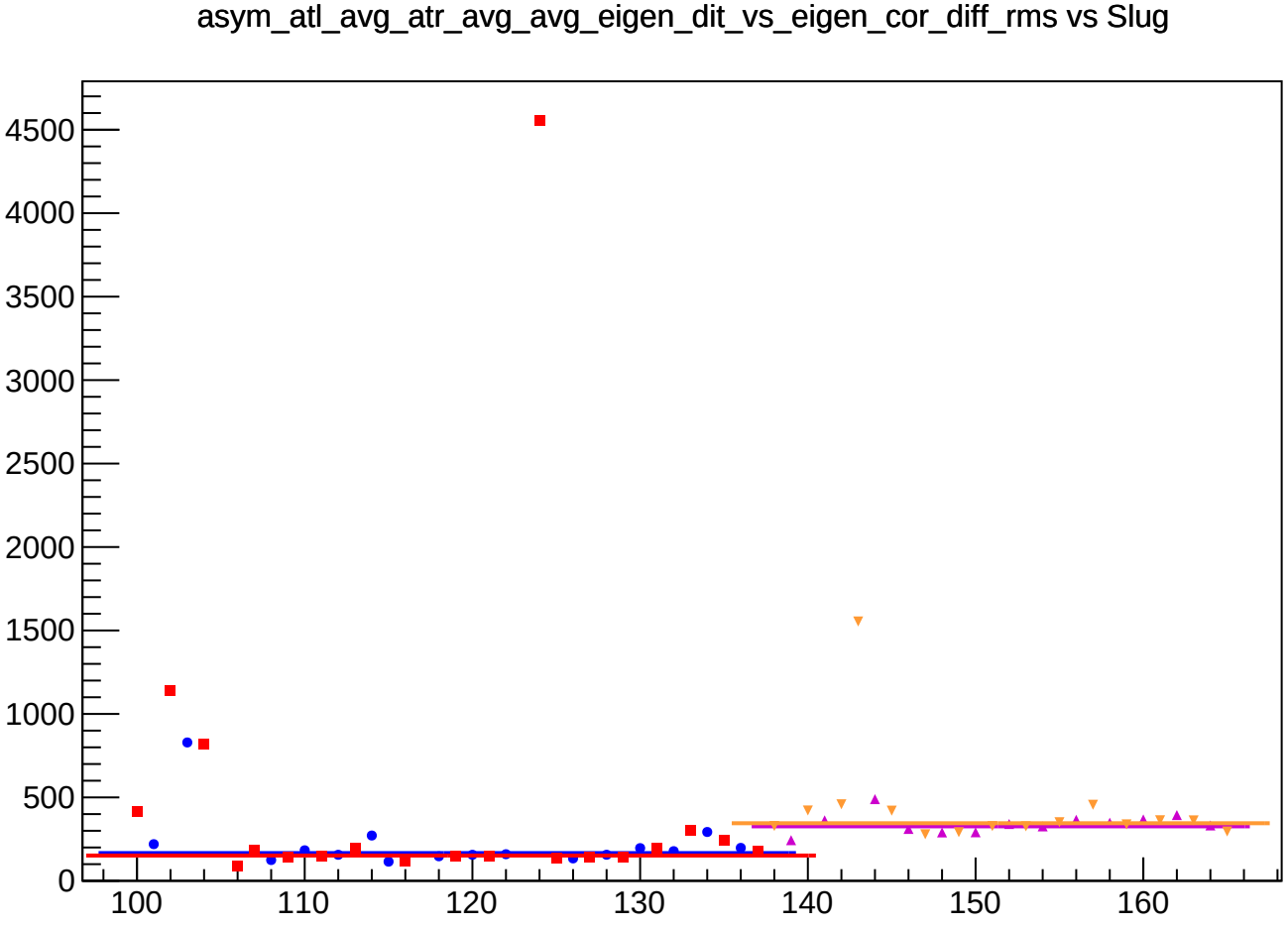
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.033+/-0.101 χ^2/NDF:19.3/12

+ sign -0.051+/-0.056 χ^2/NDF: 36.5/30

All: -0.040+/-0.039 χ^2/NDF: 83.4/62

- sign -0.030+/-0.054 χ^2/NDF: 46.8/31



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 345.262+/-0.074 χ^2/NDF:1438143.7/14

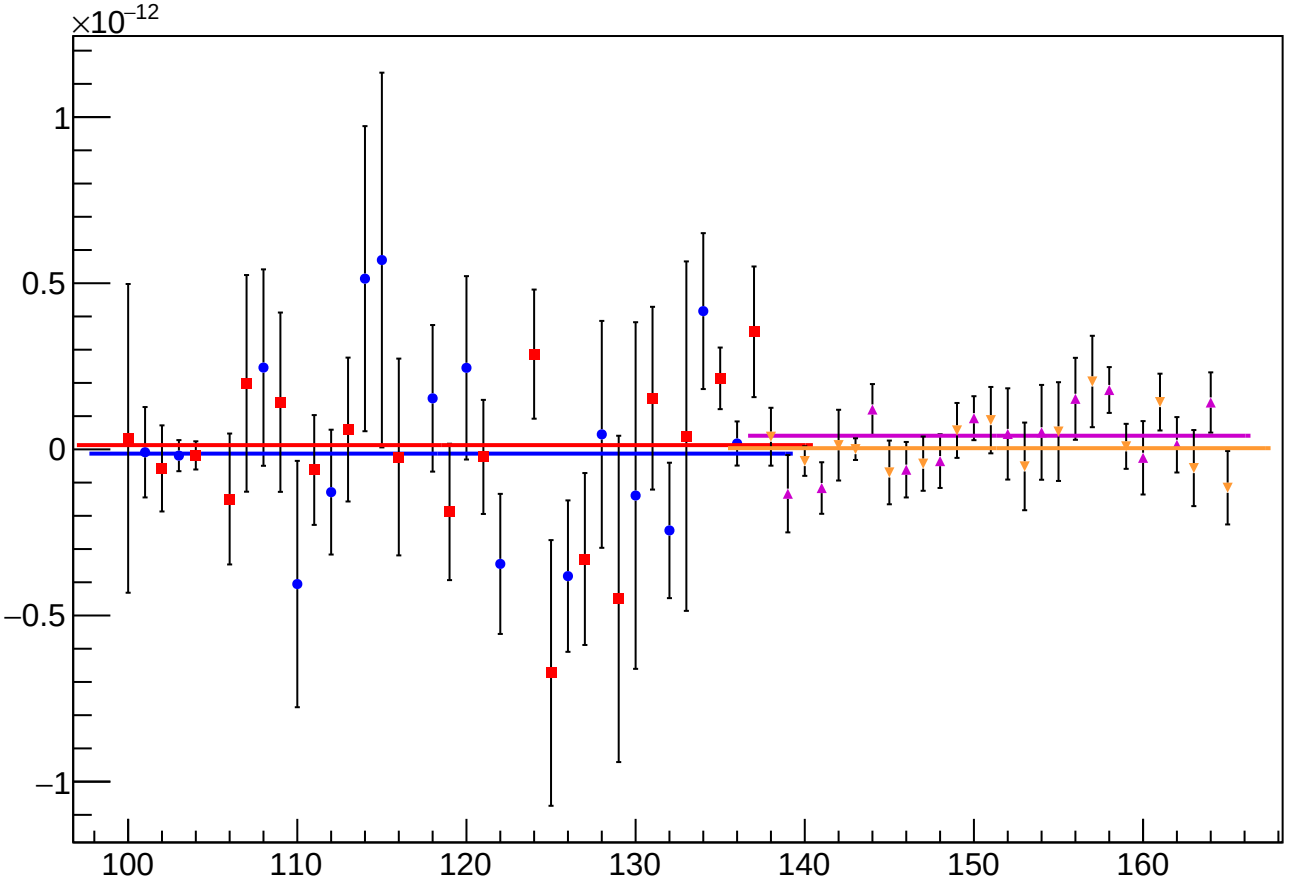
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.654+/-0.072 χ^2/NDF:548382.7/12

+ sign 217.810+/-0.040 χ^2/NDF: 6855436.9/30

All: 209.440+/-0.028 χ^2/NDF: 14063975.9/62

- sign 201.712+/-0.038 χ^2/NDF: 7123577.8/31



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/14

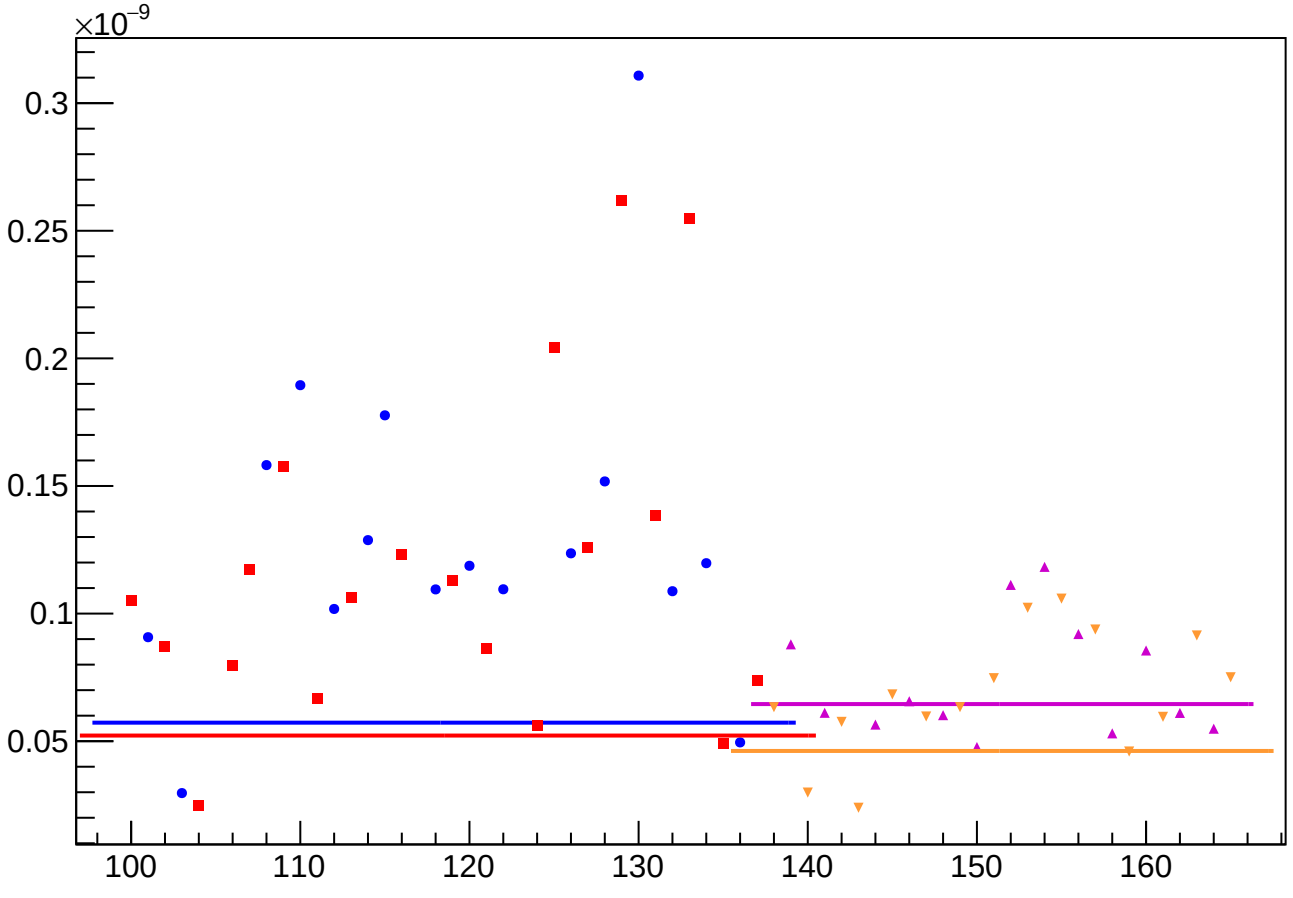
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 25.8/30

All: 0.000+/-0.000 χ^2/NDF: 63.6/62

- sign 0.000+/-0.000 χ^2/NDF: 36.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3131257.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

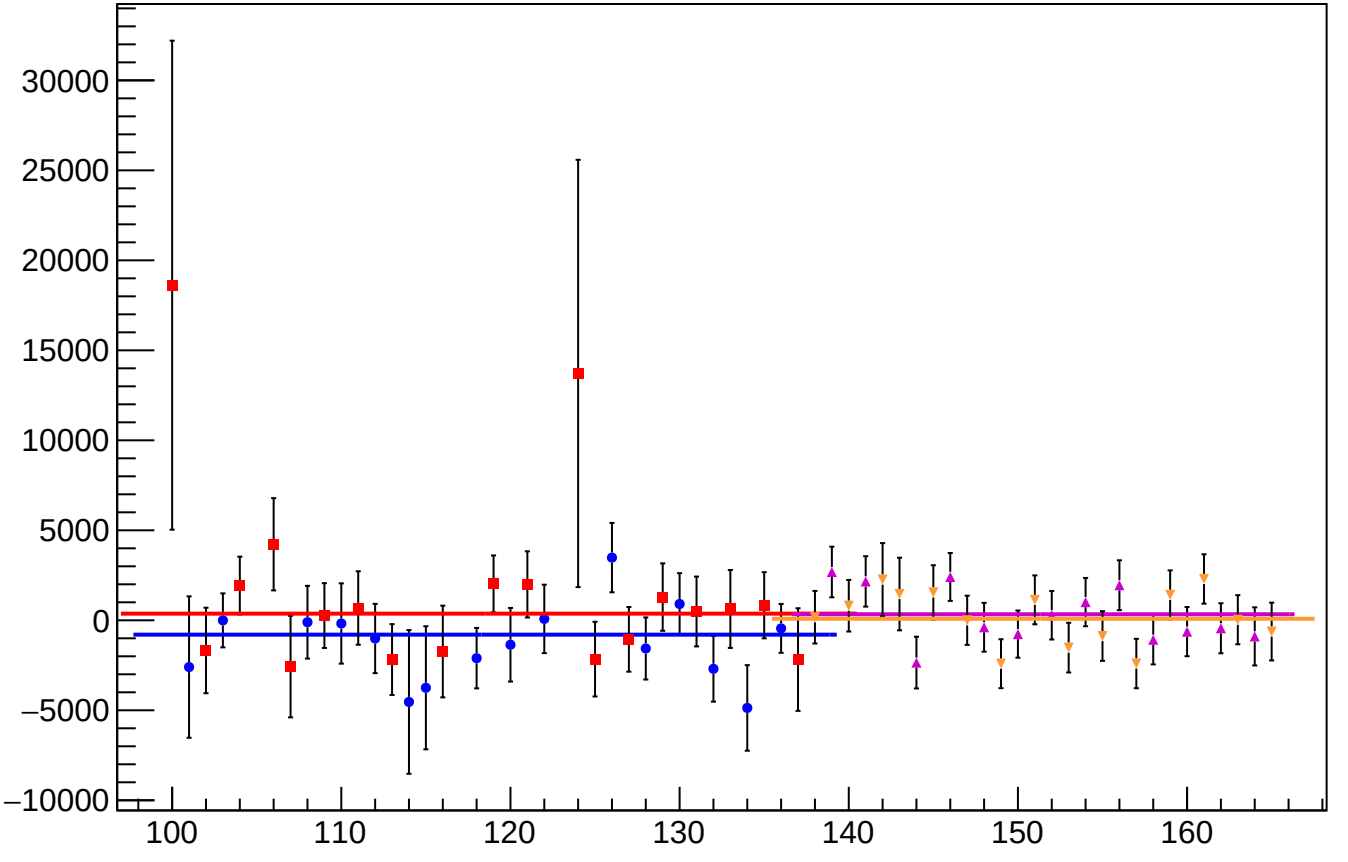
Left In: 0.000+/-0.000 χ^2/NDF:1010235.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 6285443.6/30

All: 0.000+/-0.000 χ^2/NDF: 11151422.4/62

- sign 0.000+/-0.000 χ^2/NDF: 4488843.8/31

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 85.600+/-375.854 χ^2/NDF:15.7/14

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

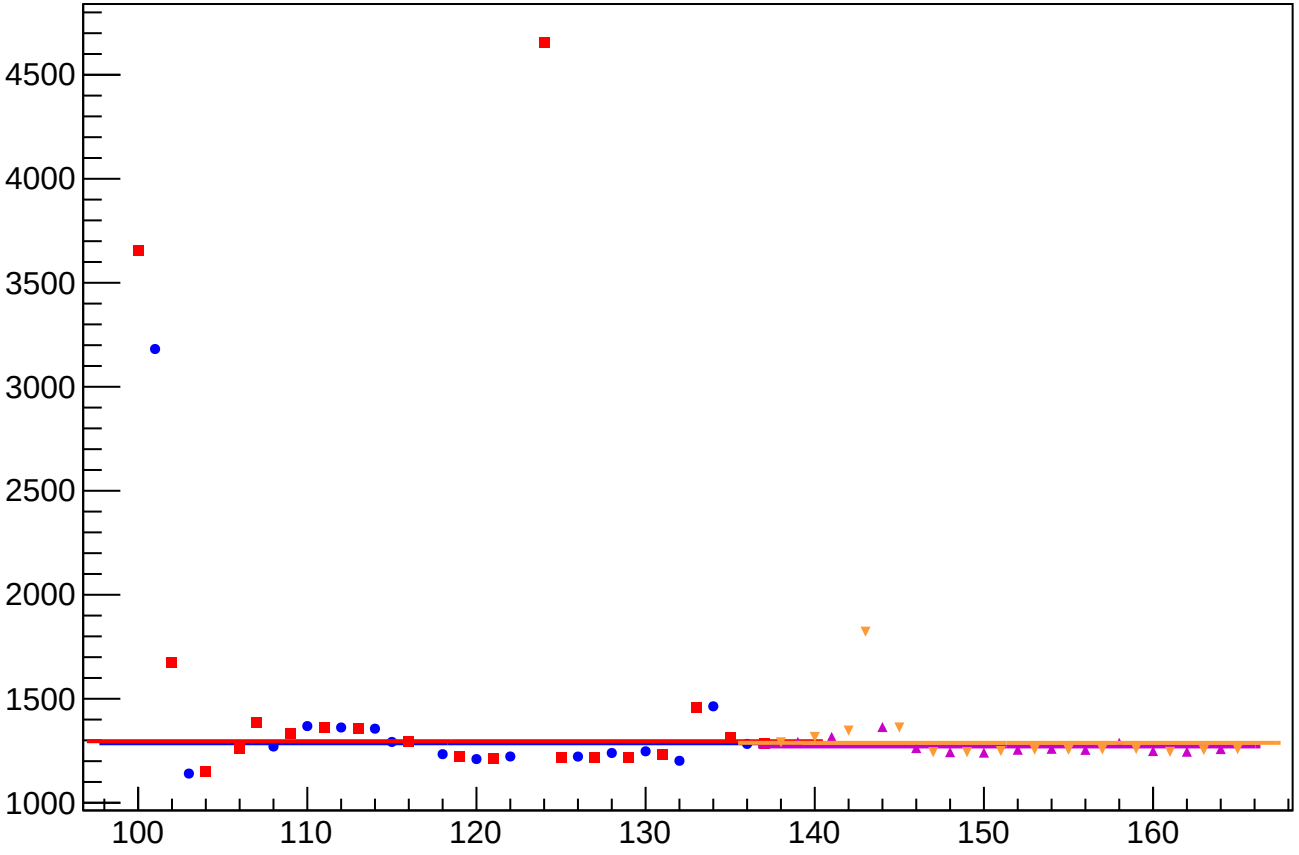
Left In: 335.968+/-383.793 χ^2/NDF:15.5/12

+ sign -243.587+/-297.648 χ^2/NDF: 31.1/30

All: 49.257+/-211.699 χ^2/NDF: 64.2/62

- sign 349.049+/-301.158 χ^2/NDF: 31.1/31

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

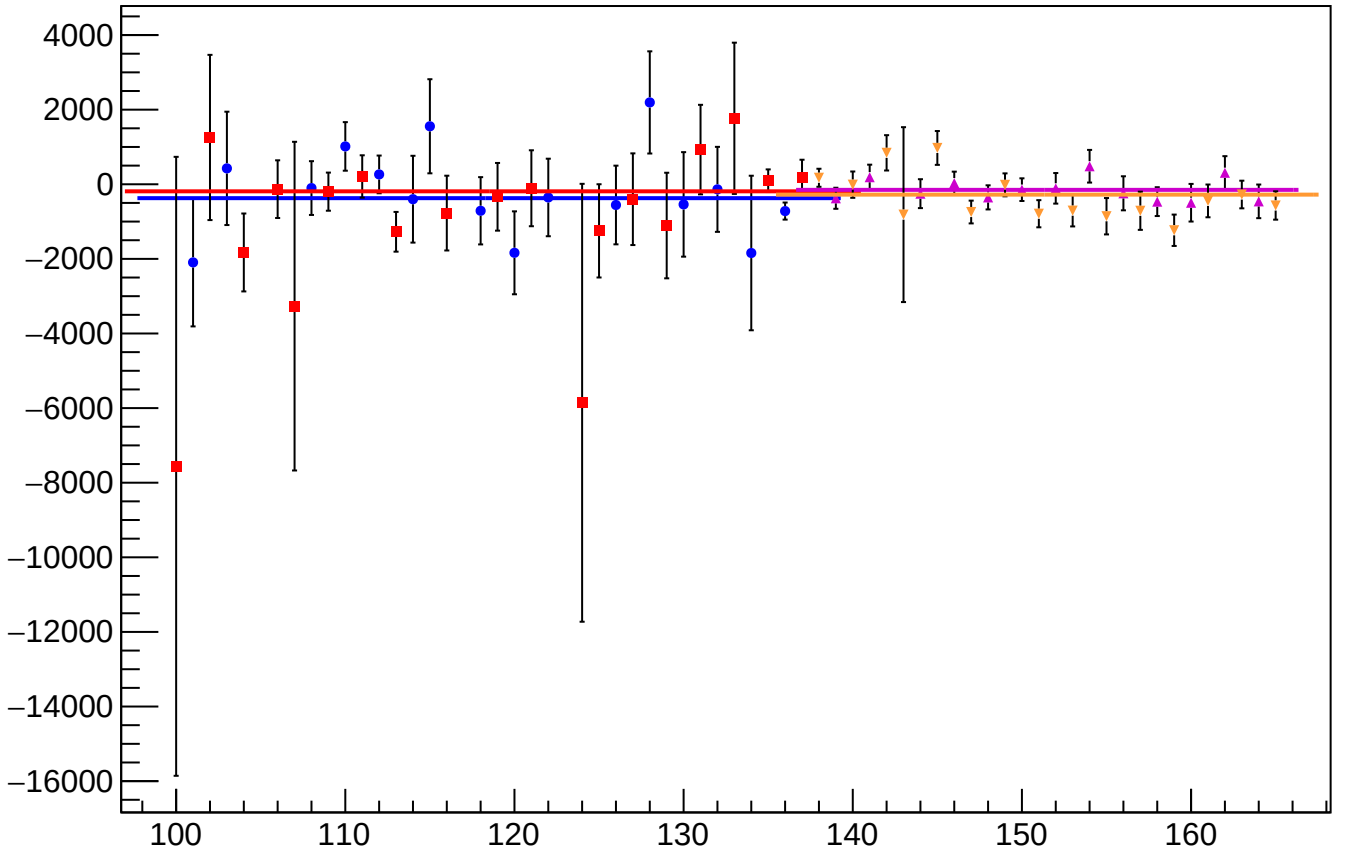
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1287.435+/-0.210 χ^2/NDF: 680208.2/30

All: 1283.978+/-0.150 χ^2/NDF: 1027454.0/62

- sign 1280.439+/-0.213 χ^2/NDF: 346699.7/31



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -277.637+/-98.911 χ^2/NDF:31.4/14

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

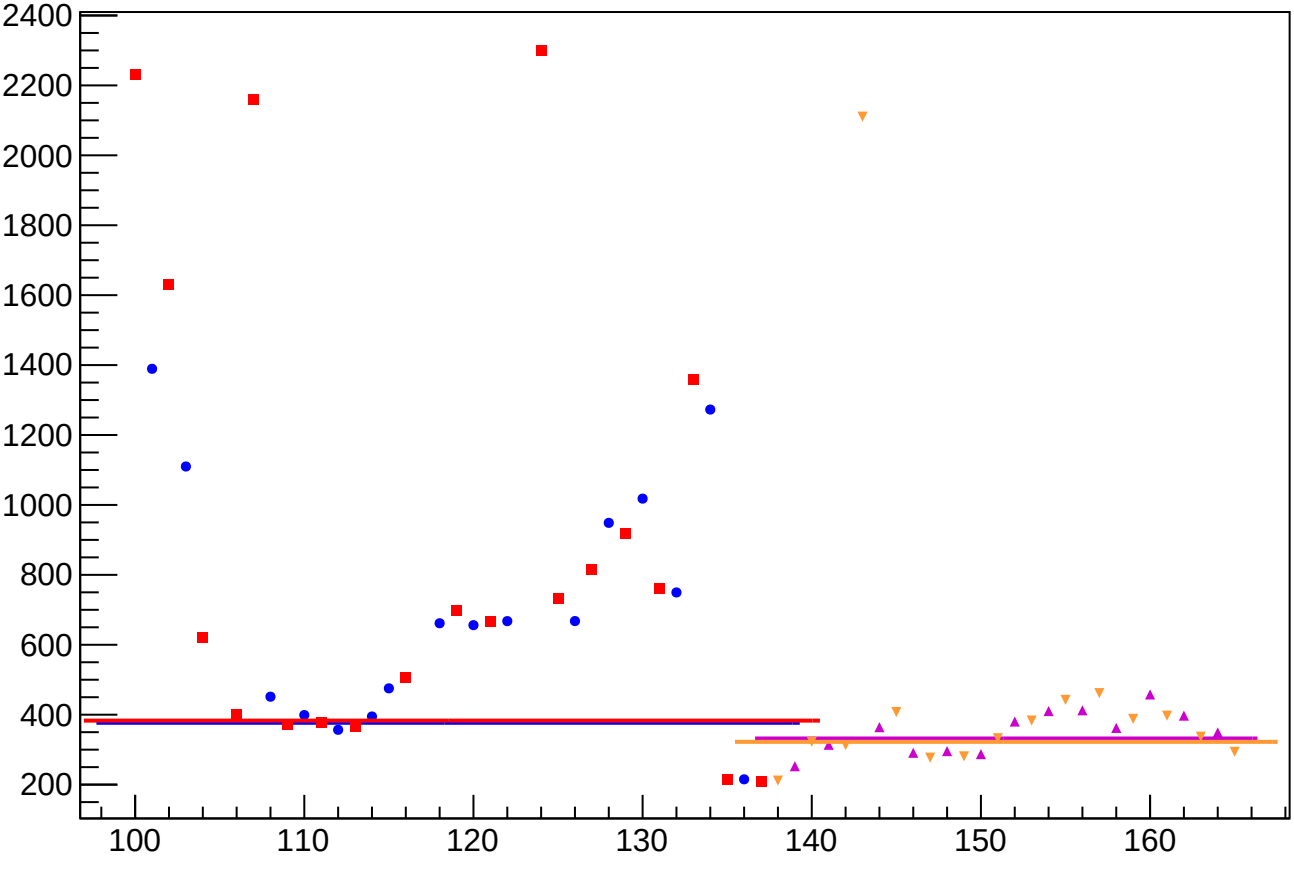
Left In: -149.808+/-102.223 χ^2/NDF:7.3/12

+ sign -301.966+/-85.262 χ^2/NDF: 49.8/30

All: -232.976+/-61.081 χ^2/NDF: 73.1/62

- sign -160.240+/-87.546 χ^2/NDF: 22.0/31

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 322.357+/-0.070 χ^2/NDF:2170940.0/14

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

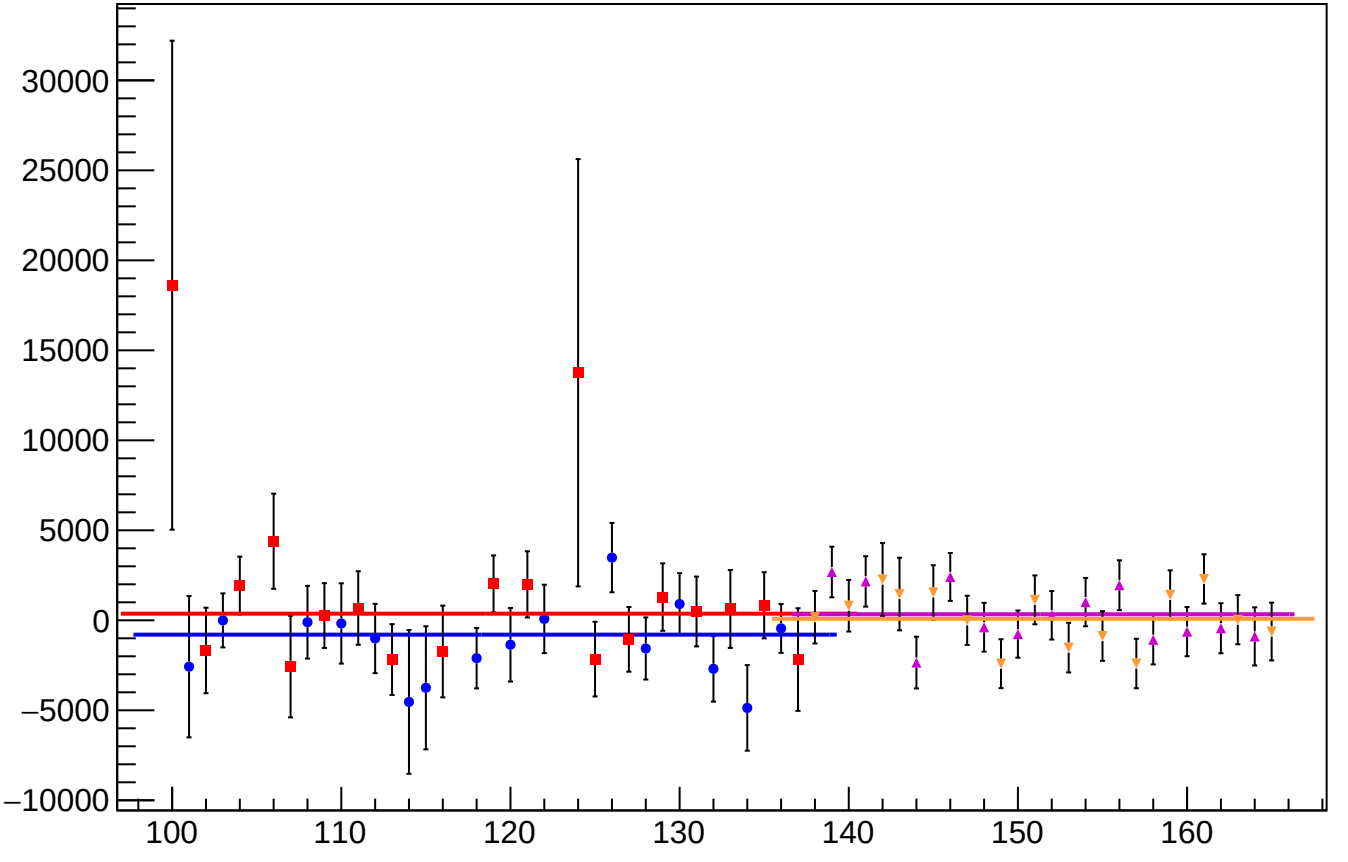
Left In: 331.945+/-0.072 χ^2/NDF:619139.1/12

+ sign 336.370+/-0.060 χ^2/NDF: 6517355.9/30

All: 340.850+/-0.043 χ^2/NDF: 11335314.9/62

- sign 345.573+/-0.062 χ^2/NDF: 4806615.9/31

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

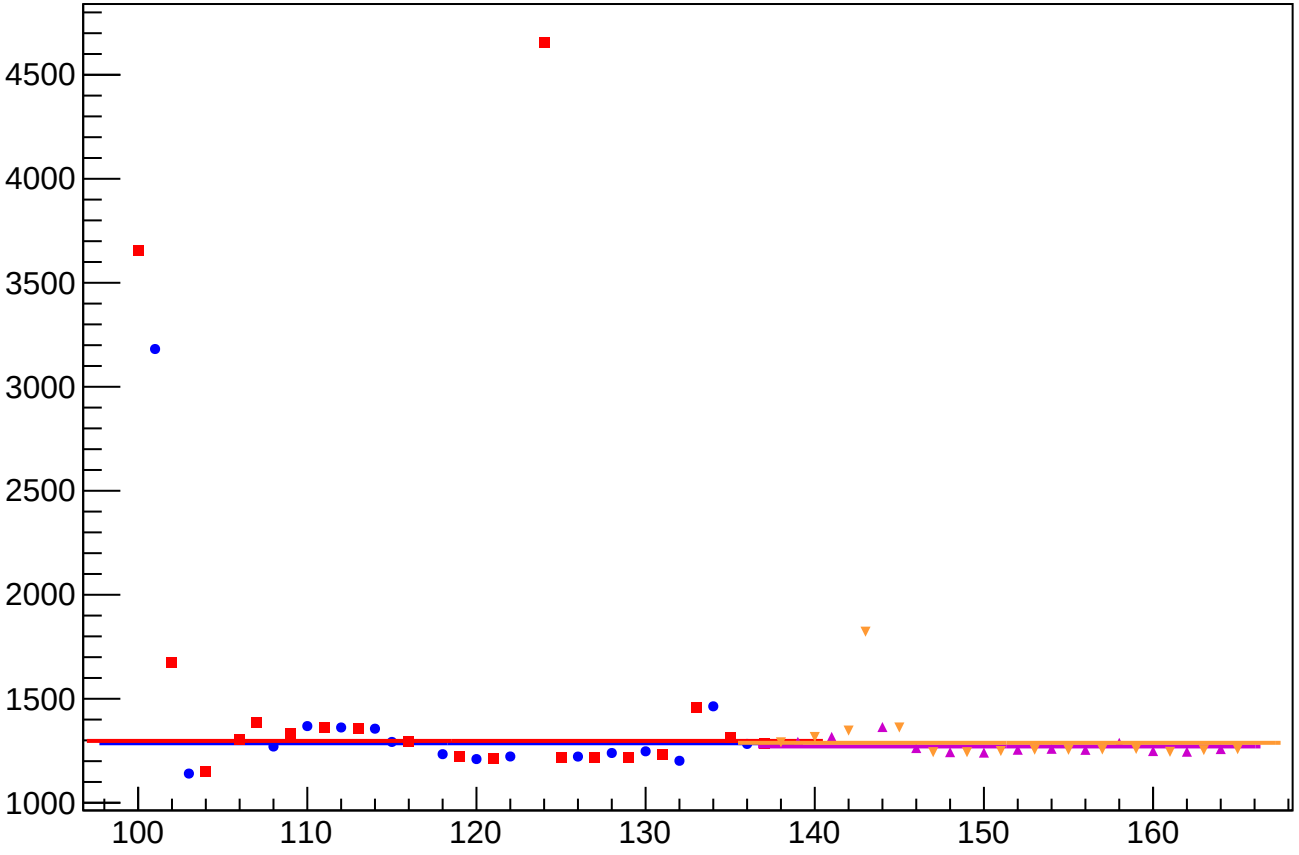
Left In: 335.915+/-383.793 χ^2/NDF:15.5/12

+ sign -243.396+/-297.648 χ^2/NDF: 31.1/30

All: 48.726+/-211.742 χ^2/NDF: 64.2/62

- sign 348.027+/-301.282 χ^2/NDF: 31.1/31

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

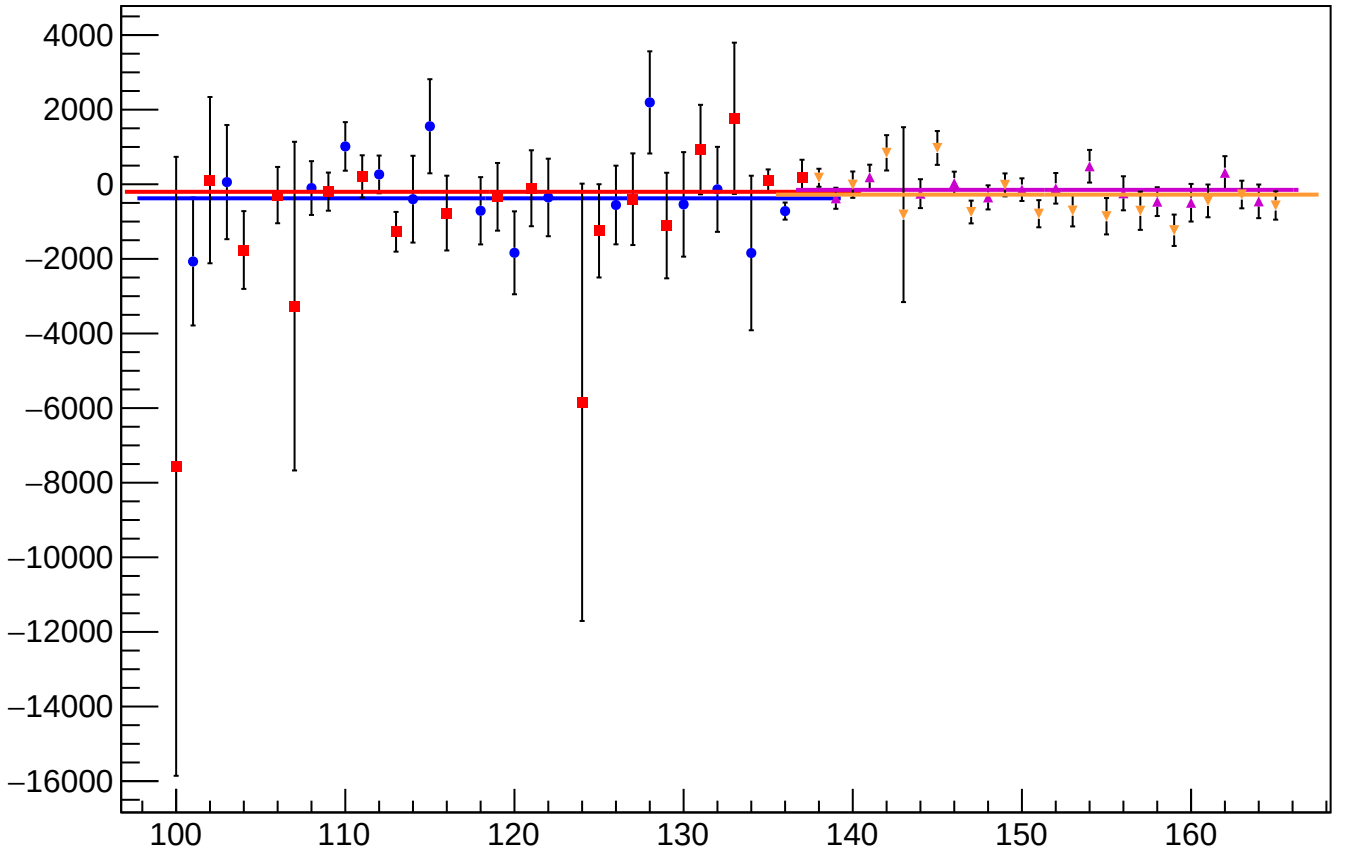
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1287.435+/-0.210 χ^2/NDF: 680209.6/30

All: 1284.248+/-0.150 χ^2/NDF: 1027432.7/62

- sign 1280.983+/-0.213 χ^2/NDF: 346758.9/31



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -277.637+/-98.913 χ^2/NDF:31.4/14

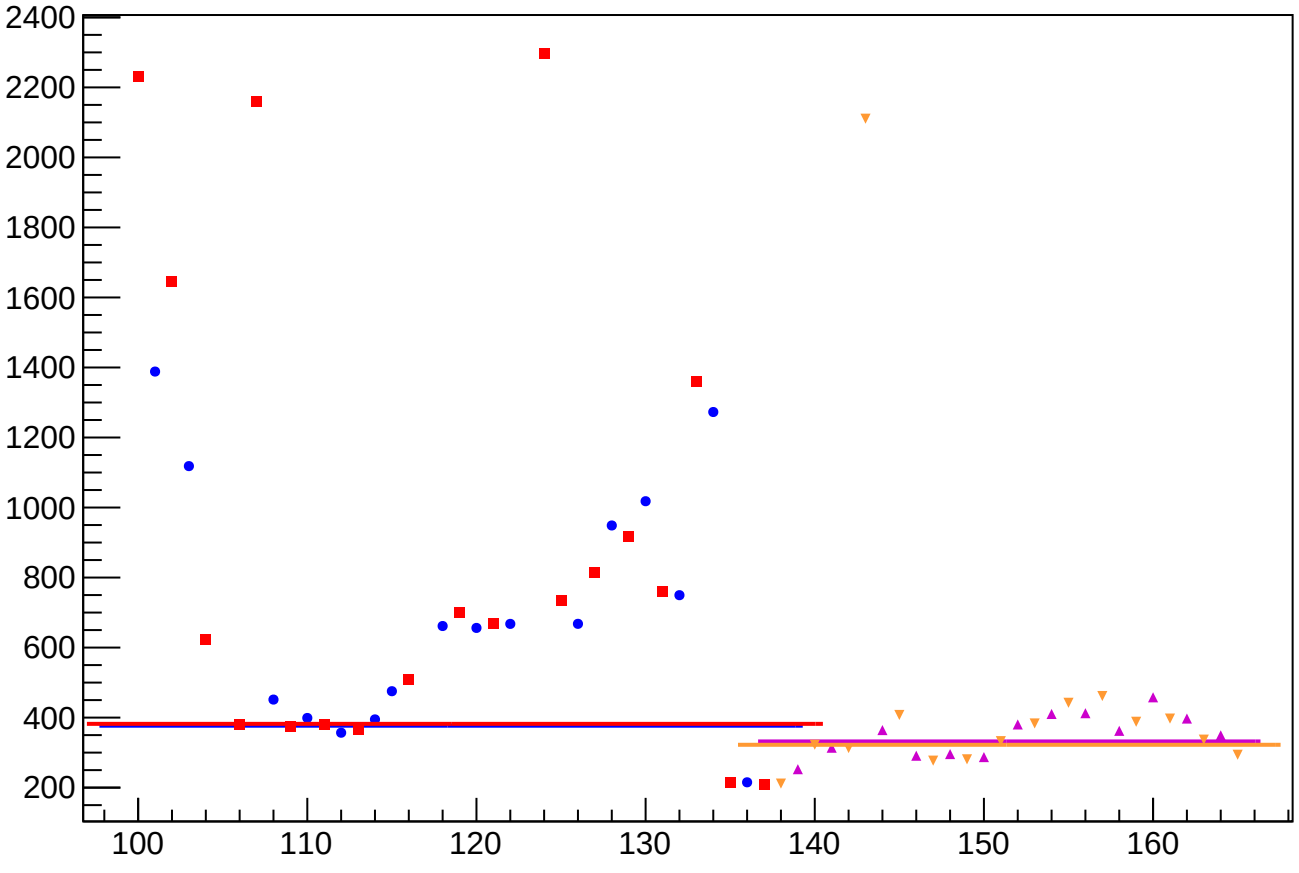
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -149.813+/-102.223 χ^2/NDF:7.3/12

+ sign -303.105+/-85.265 χ^2/NDF: 49.6/30

All: -235.262+/-61.073 χ^2/NDF: 72.3/62

- sign -163.785+/-87.519 χ^2/NDF: 21.4/31



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

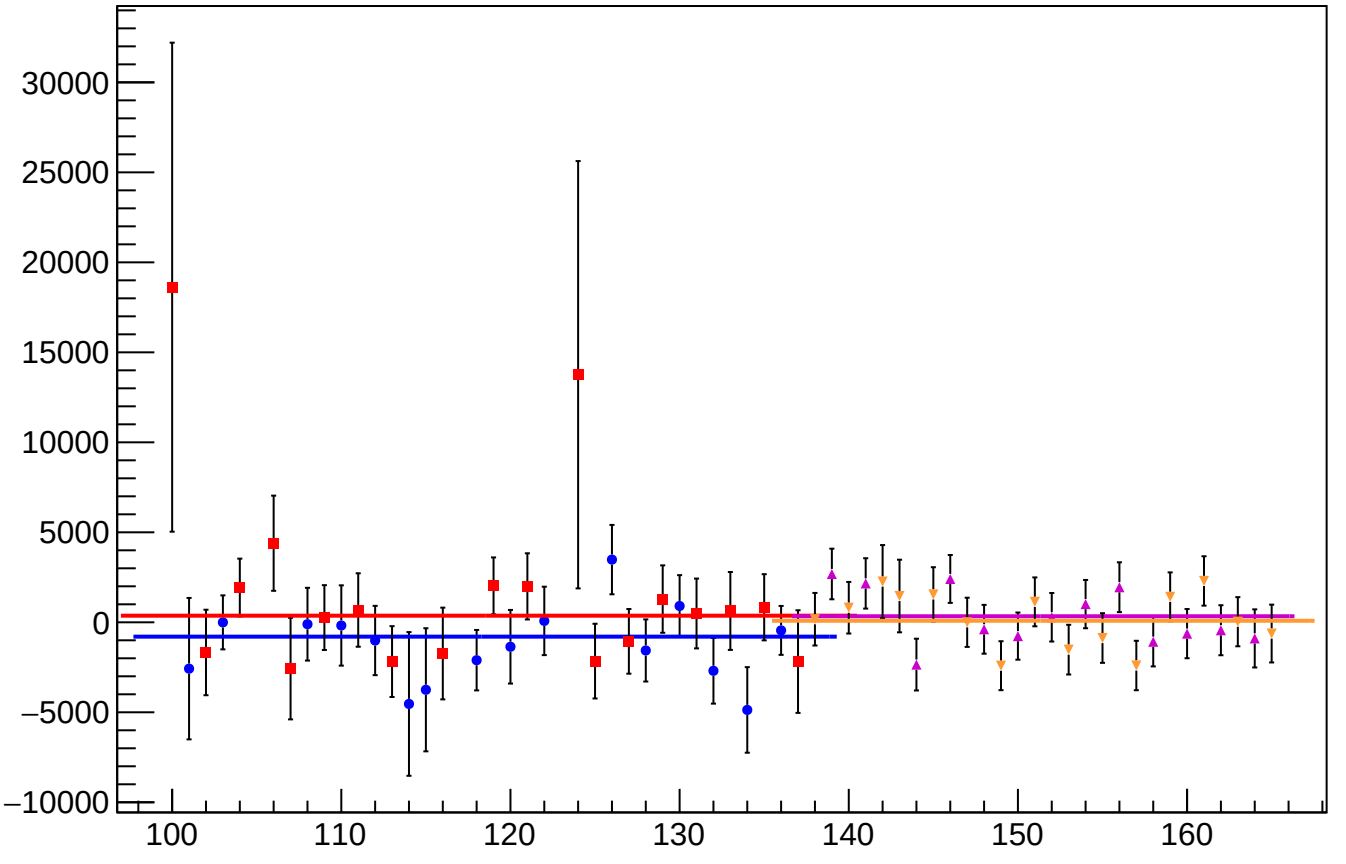
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

+ sign 336.370+/-0.060 χ^2/NDF: 6520280.2/30

All: 340.741+/-0.043 χ^2/NDF: 11338645.4/62

- sign 345.346+/-0.062 χ^2/NDF: 4807573.4/31



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

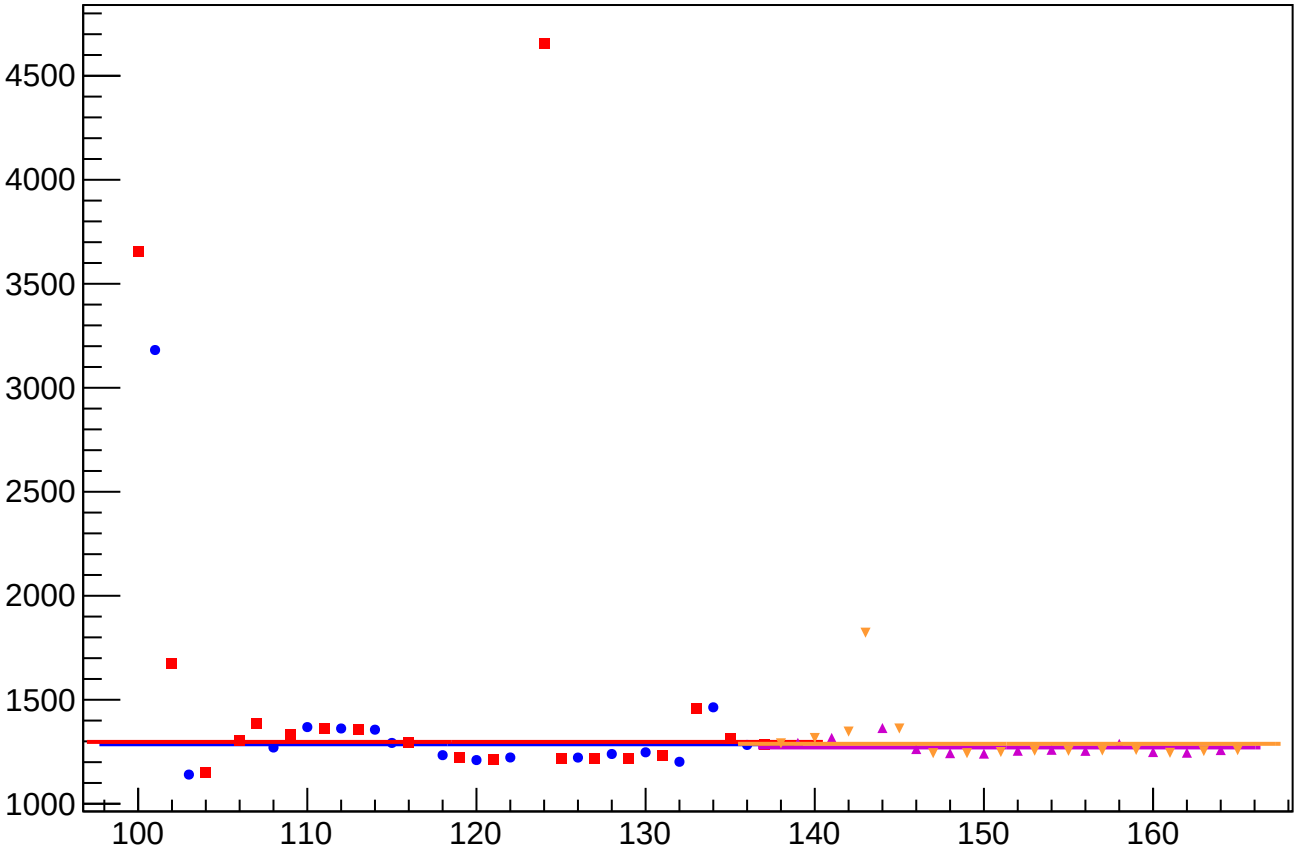
Left In: 335.915+/-383.793 χ^2/NDF:15.5/12

+ sign -243.396+/-297.648 χ^2/NDF: 31.1/30

All: 48.726+/-211.742 χ^2/NDF: 64.2/62

- sign 348.027+/-301.282 χ^2/NDF: 31.1/31

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: 1288.231+/-0.266 χ^2/NDF:162057.2/14

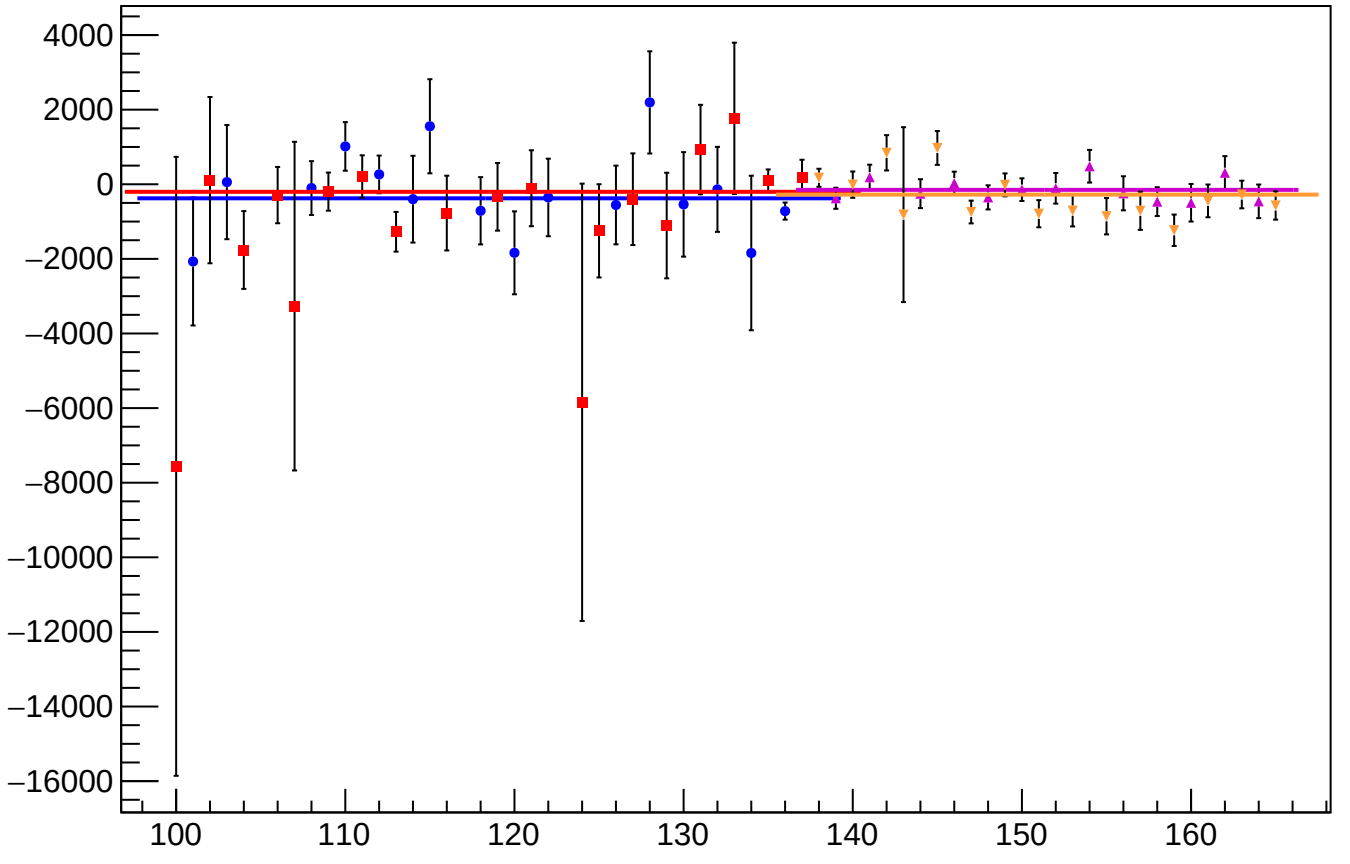
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1287.435+/-0.210 χ^2/NDF: 680209.6/30

All: 1284.248+/-0.150 χ^2/NDF: 1027432.7/62

- sign 1280.983+/-0.213 χ^2/NDF: 346758.9/31



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -277.637+/-98.913 χ^2/NDF:31.4/14

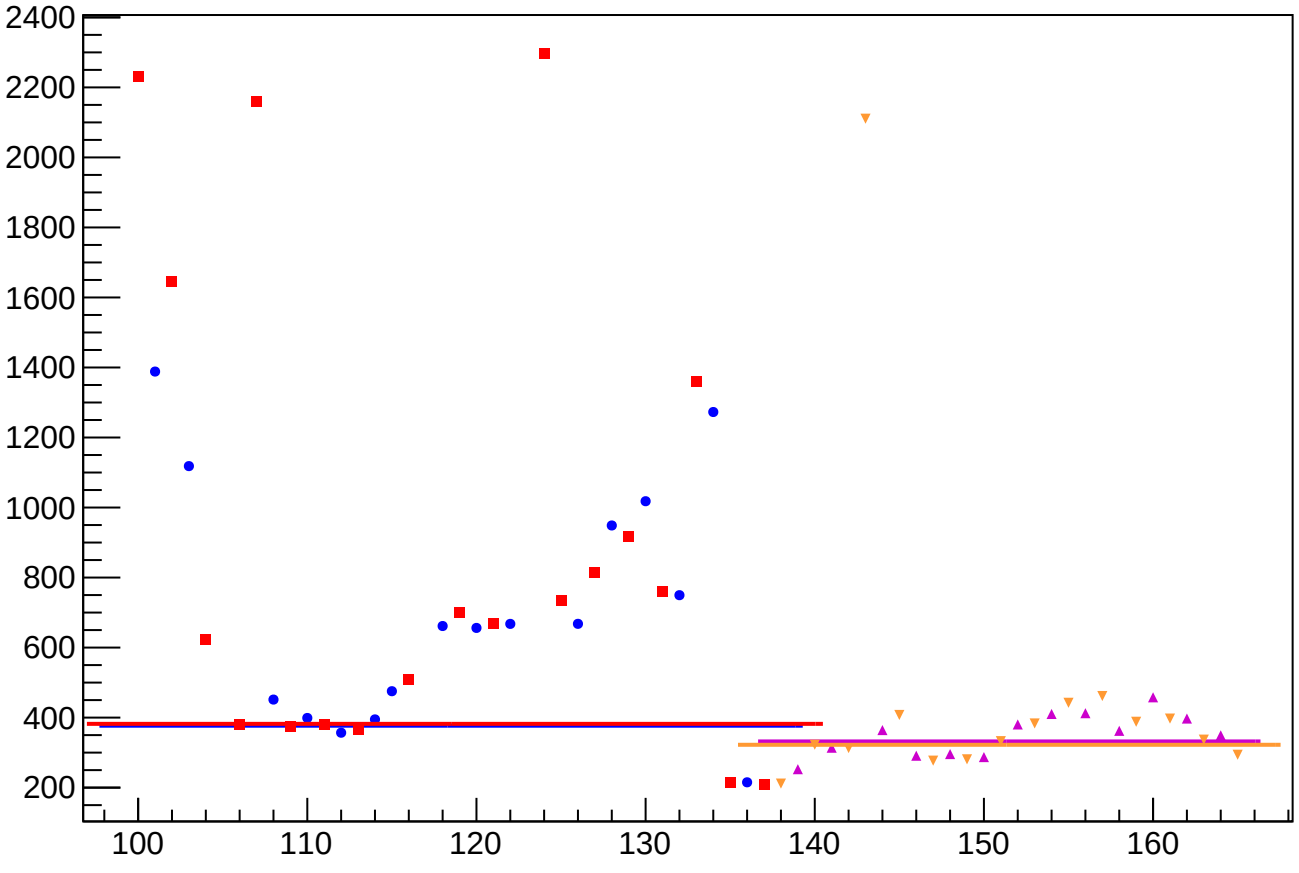
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -149.813+/-102.223 χ^2/NDF:7.3/12

+ sign -303.105+/-85.265 χ^2/NDF: 49.6/30

All: -235.262+/-61.073 χ^2/NDF: 72.3/62

- sign -163.785+/-87.519 χ^2/NDF: 21.4/31



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

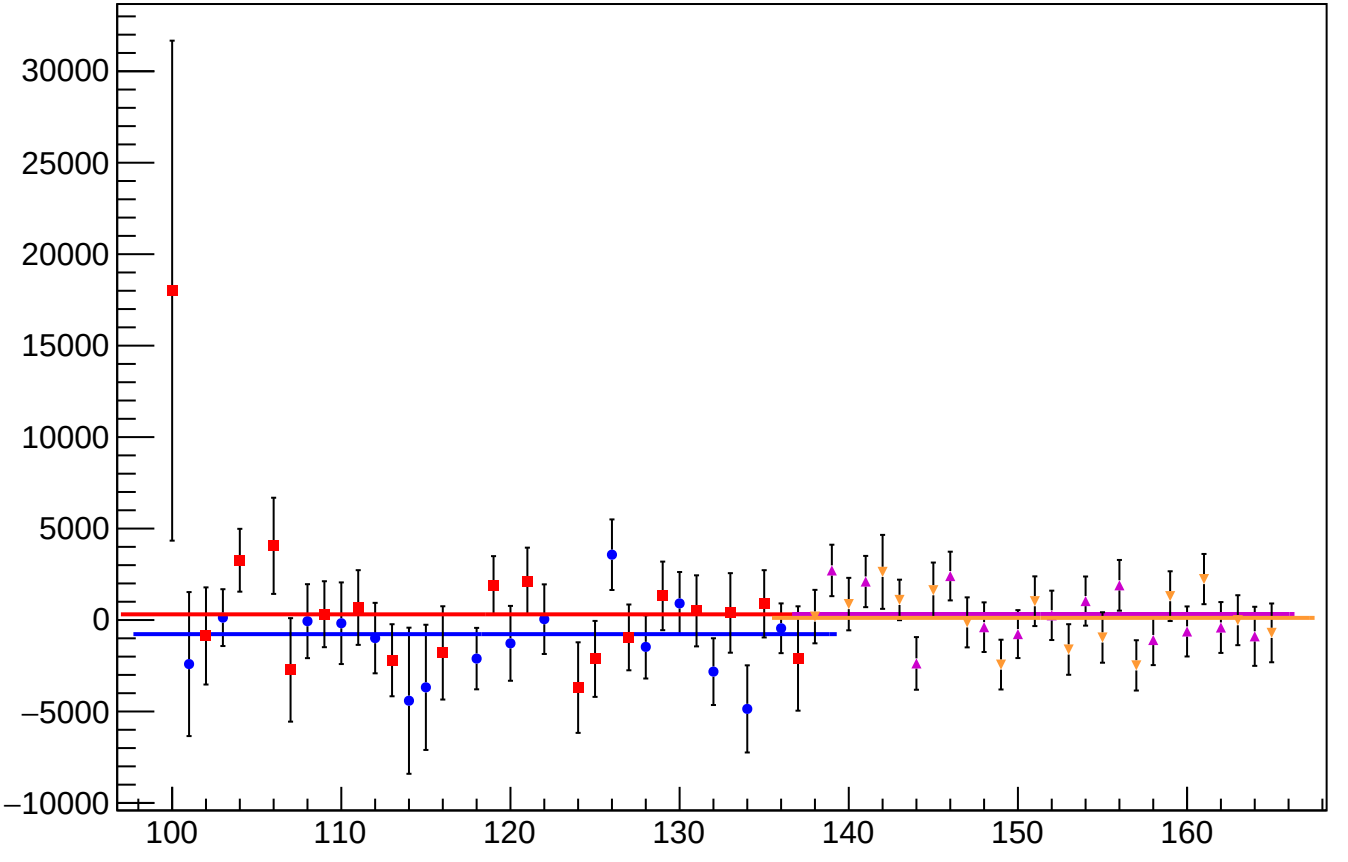
Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

+ sign 336.370+/-0.060 χ^2/NDF: 6520280.2/30

All: 340.741+/-0.043 χ^2/NDF: 11338645.4/62

- sign 345.346+/-0.062 χ^2/NDF: 4807573.4/31

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.255+/-361.773 χ^2/NDF:16.8/14

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

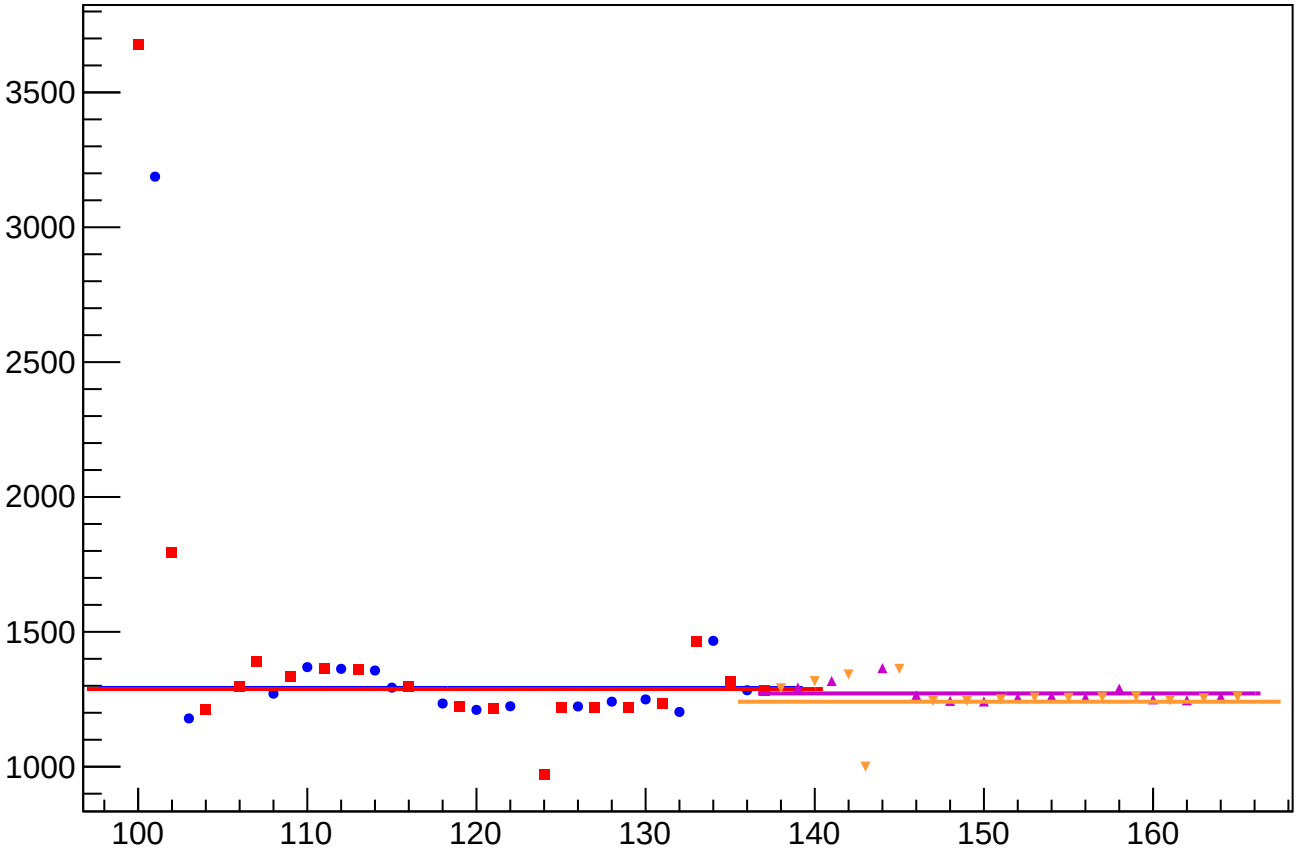
Left In: 329.299+/-384.092 χ^2/NDF:15.4/12

+ sign -196.622+/-290.959 χ^2/NDF: 32.5/30

All: 54.469+/-209.044 χ^2/NDF: 67.4/62

- sign 322.365+/-300.538 χ^2/NDF: 33.3/31

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.994+/-0.256 χ^2/NDF:122152.0/14

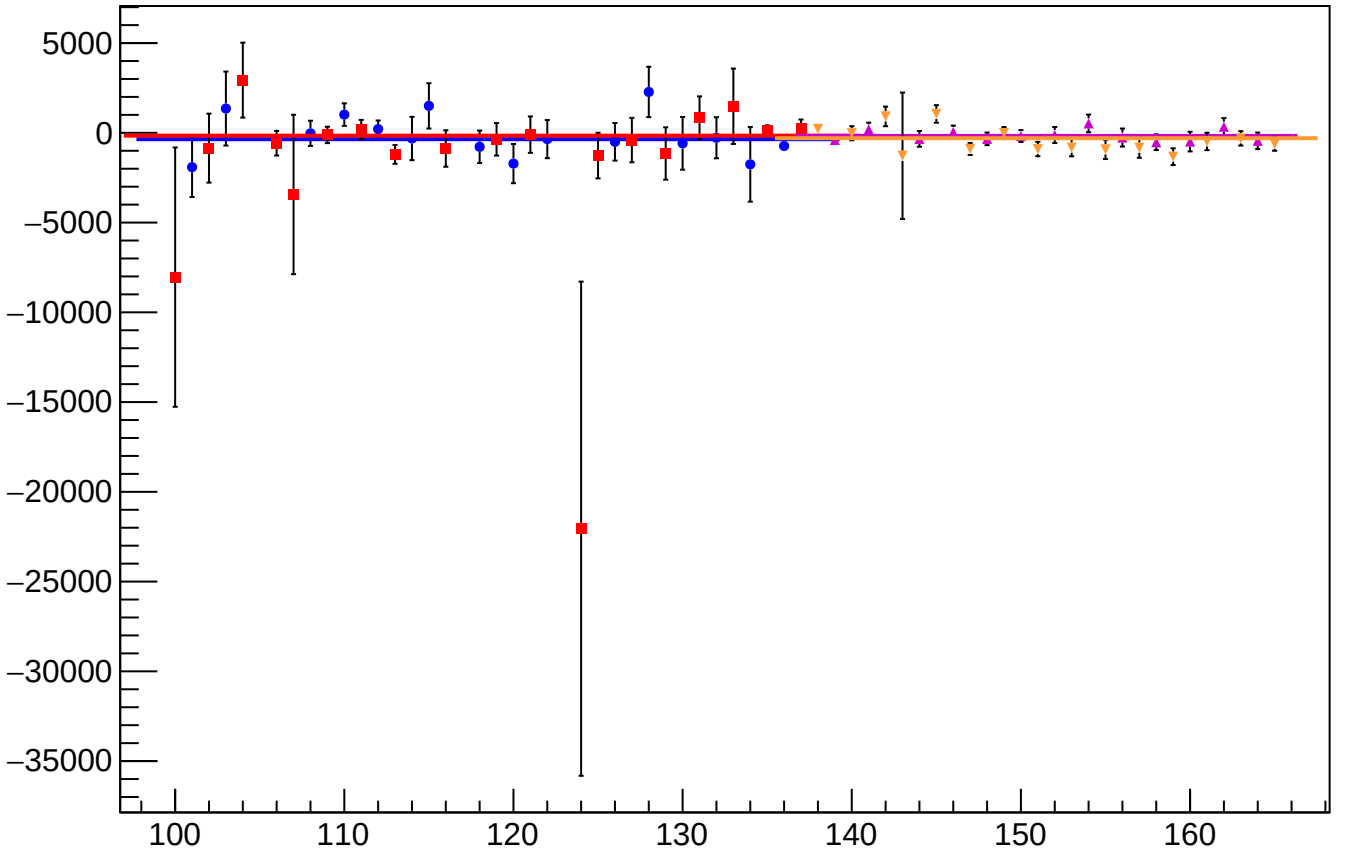
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

+ sign 1259.021+/-0.206 χ^2/NDF: 645619.4/30

All: 1268.225+/-0.148 χ^2/NDF: 875760.2/62

- sign 1278.045+/-0.213 χ^2/NDF: 226004.1/31



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -300.317+/-106.857 χ^2/NDF:32.9/14

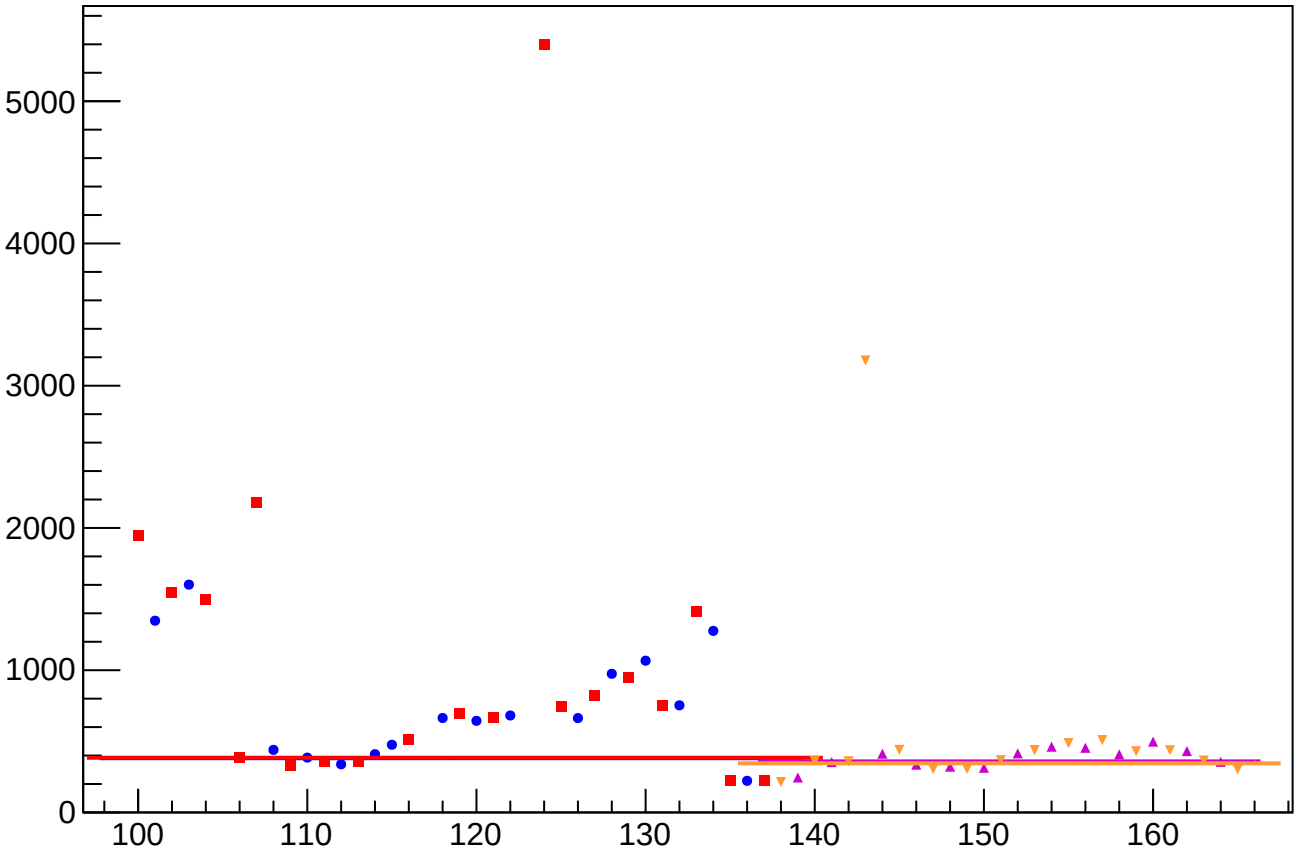
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -173.598+/-111.097 χ^2/NDF:6.8/12

+ sign -315.871+/-90.464 χ^2/NDF: 51.4/30

All: -244.370+/-64.827 χ^2/NDF: 75.3/62

- sign -168.894+/-92.944 χ^2/NDF: 22.6/31



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 345.379+/-0.076 χ^2/NDF:2571828.7/14

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

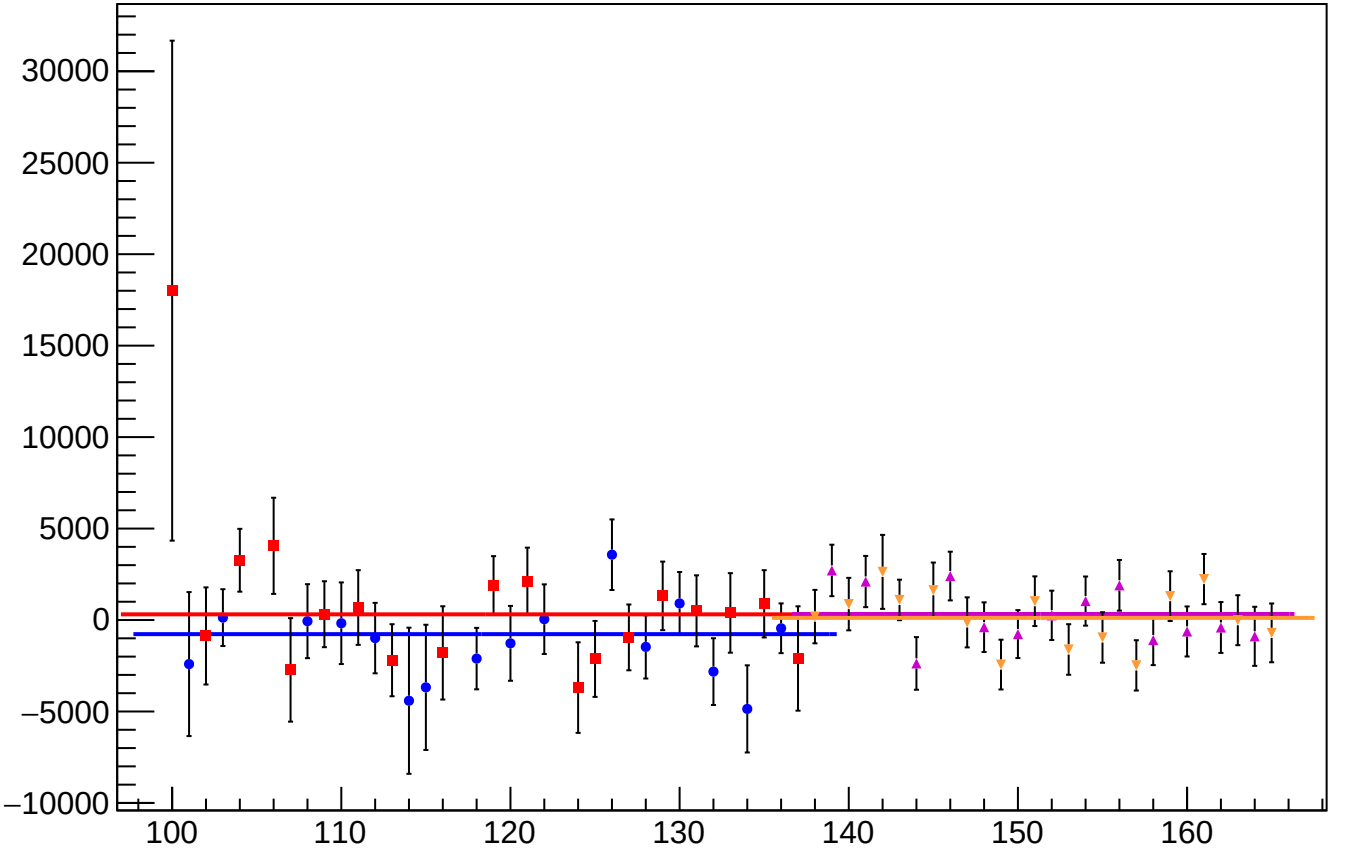
Left In: 359.015+/-0.079 χ^2/NDF:823721.0/12

+ sign 355.569+/-0.064 χ^2/NDF: 6953947.3/30

All: 360.988+/-0.046 χ^2/NDF: 12384587.2/62

- sign 366.708+/-0.066 χ^2/NDF: 5415888.1/31

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: 117.256+/-361.773 χ^2/NDF:16.8/14

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

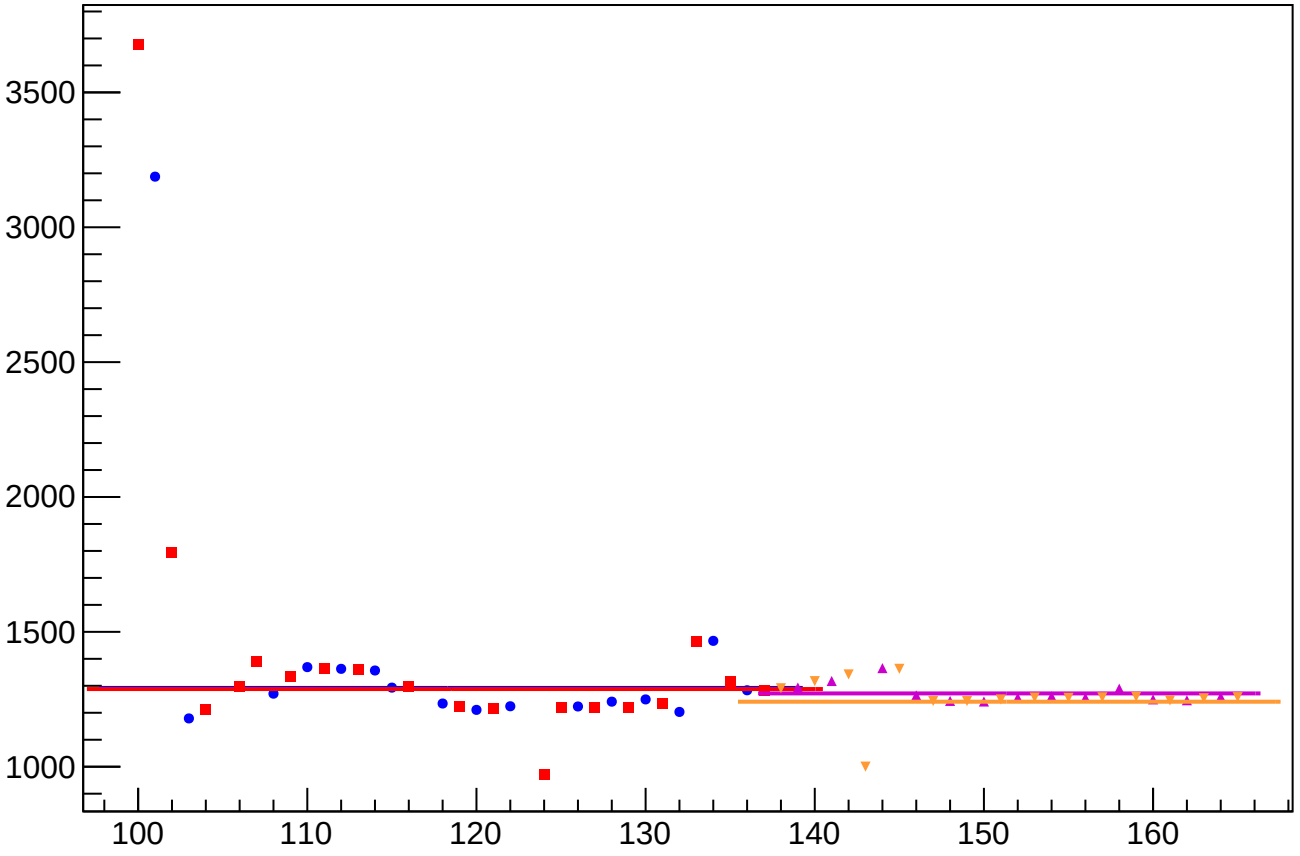
Left In: 329.299+/-384.092 χ^2/NDF:15.4/12

+ sign -196.622+/-290.959 χ^2/NDF: 32.5/30

All: 54.469+/-209.044 χ^2/NDF: 67.4/62

- sign 322.366+/-300.538 χ^2/NDF: 33.3/31

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: 1240.994+/-0.256 χ^2/NDF:122151.2/14

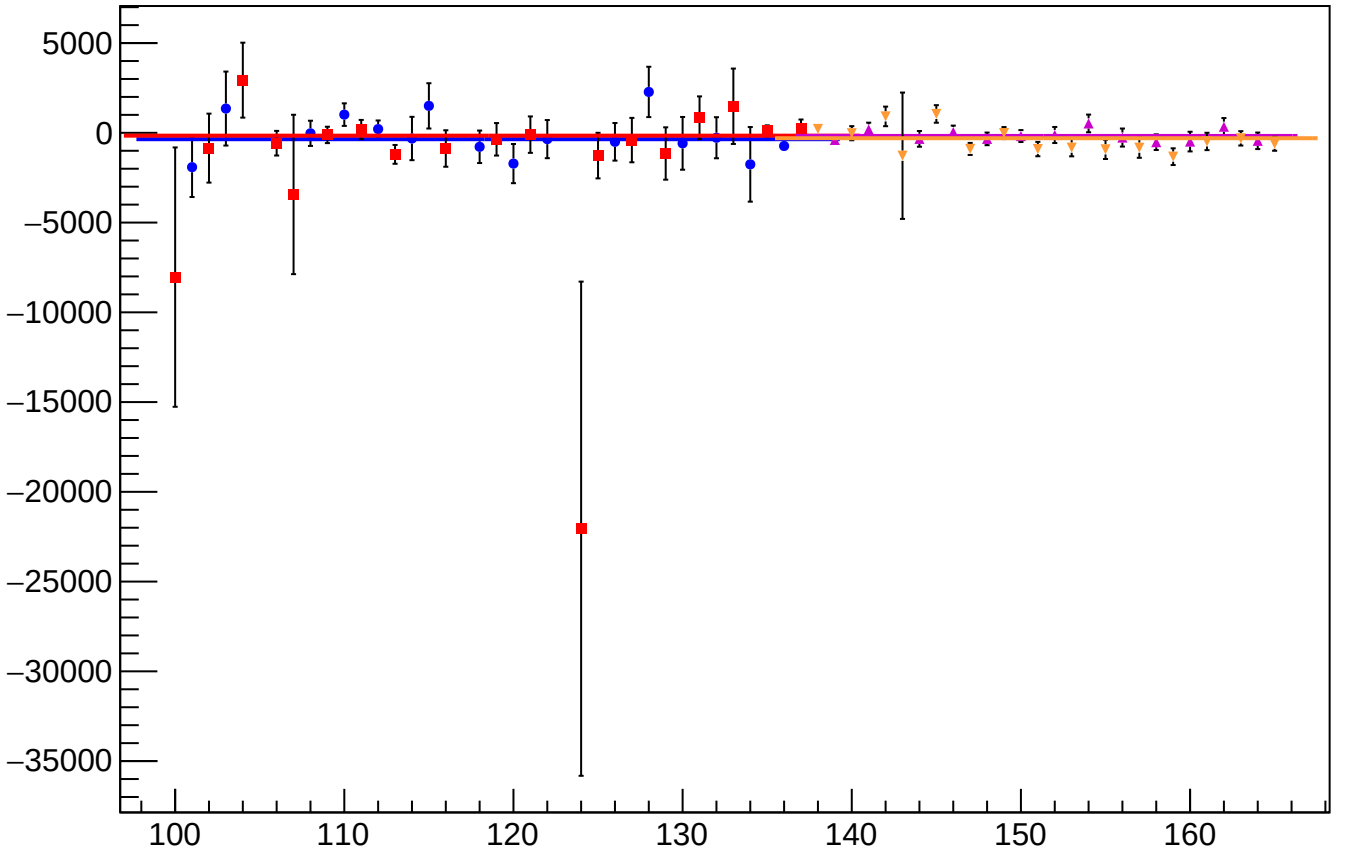
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

\+ sign 1259.021+/-0.206 χ^2/NDF: 645618.5/30

All: 1268.225+/-0.148 χ^2/NDF: 875759.6/62

\- sign 1278.045+/-0.213 χ^2/NDF: 226004.4/31



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -300.327+/-106.858 χ^2/NDF:32.9/14

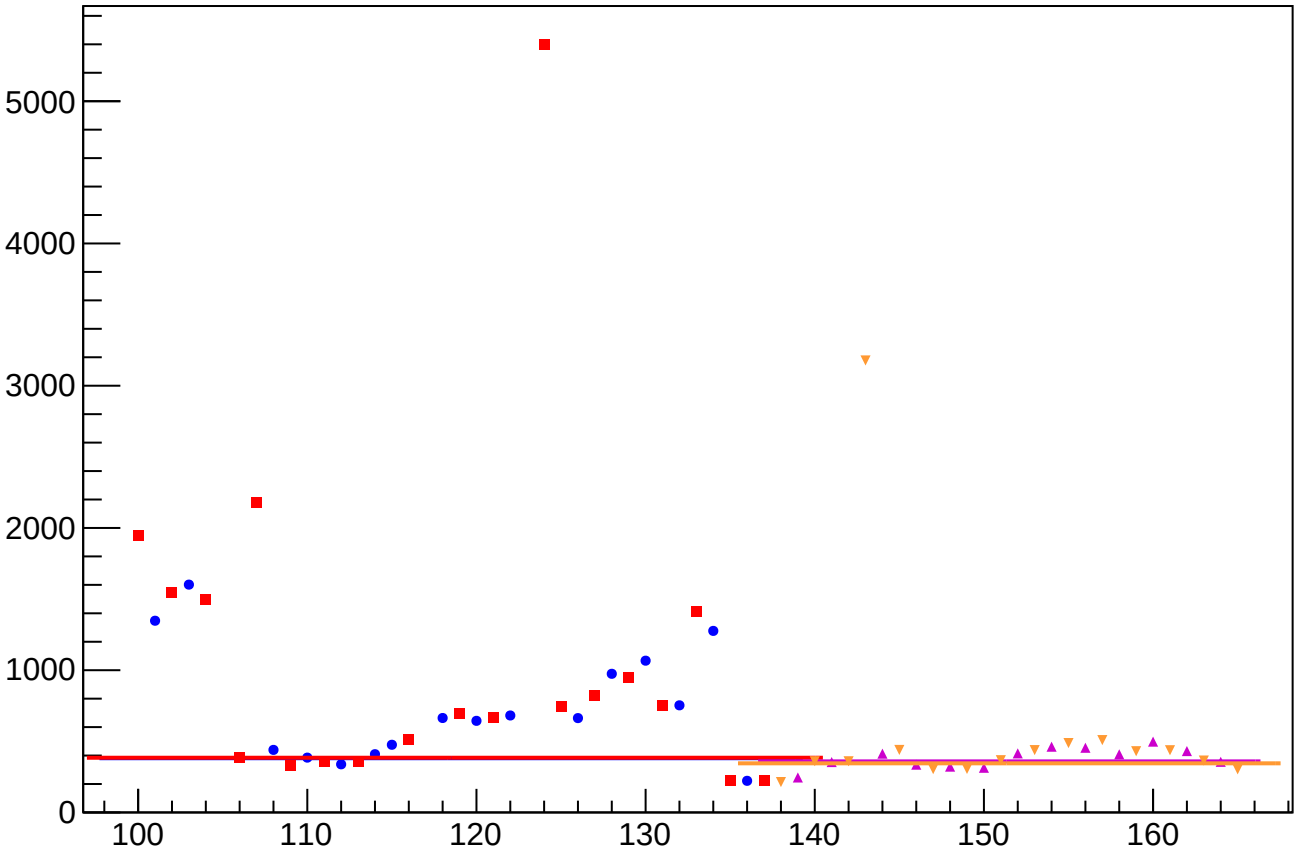
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -173.598+/-111.098 χ^2/NDF:6.8/12

+ sign -315.879+/-90.466 χ^2/NDF: 51.4/30

All: -244.374+/-64.828 χ^2/NDF: 75.3/62

- sign -168.896+/-92.945 χ^2/NDF: 22.6/31



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 345.385+/-0.076 χ^2/NDF:2571649.8/14

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

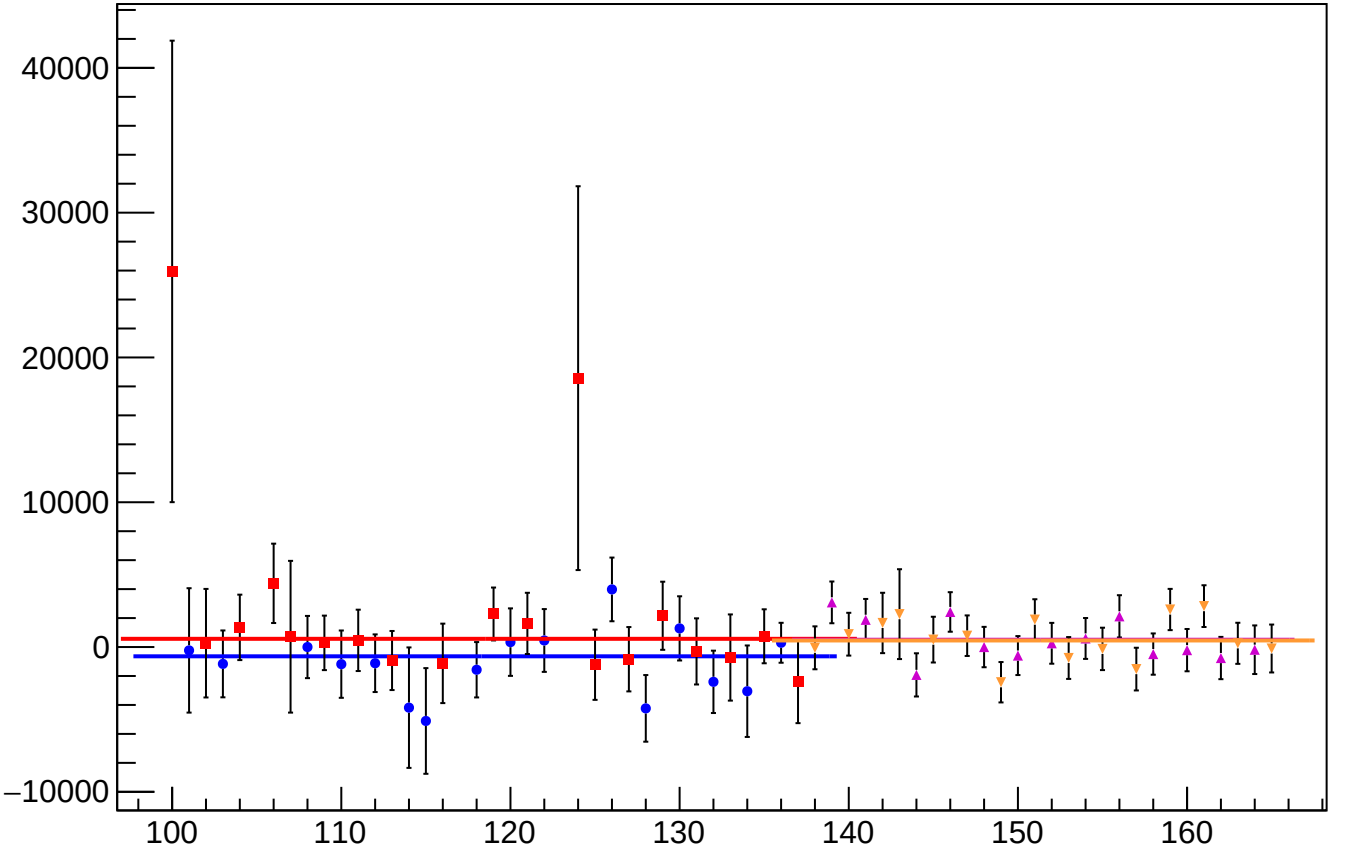
Left In: 359.018+/-0.079 χ^2/NDF:823611.7/12

+ sign 355.575+/-0.064 χ^2/NDF: 6953598.6/30

All: 360.993+/-0.046 χ^2/NDF: 12383993.9/62

- sign 366.713+/-0.066 χ^2/NDF: 5415647.7/31

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 453.803+/-394.740 χ^2/NDF:14.0/14

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

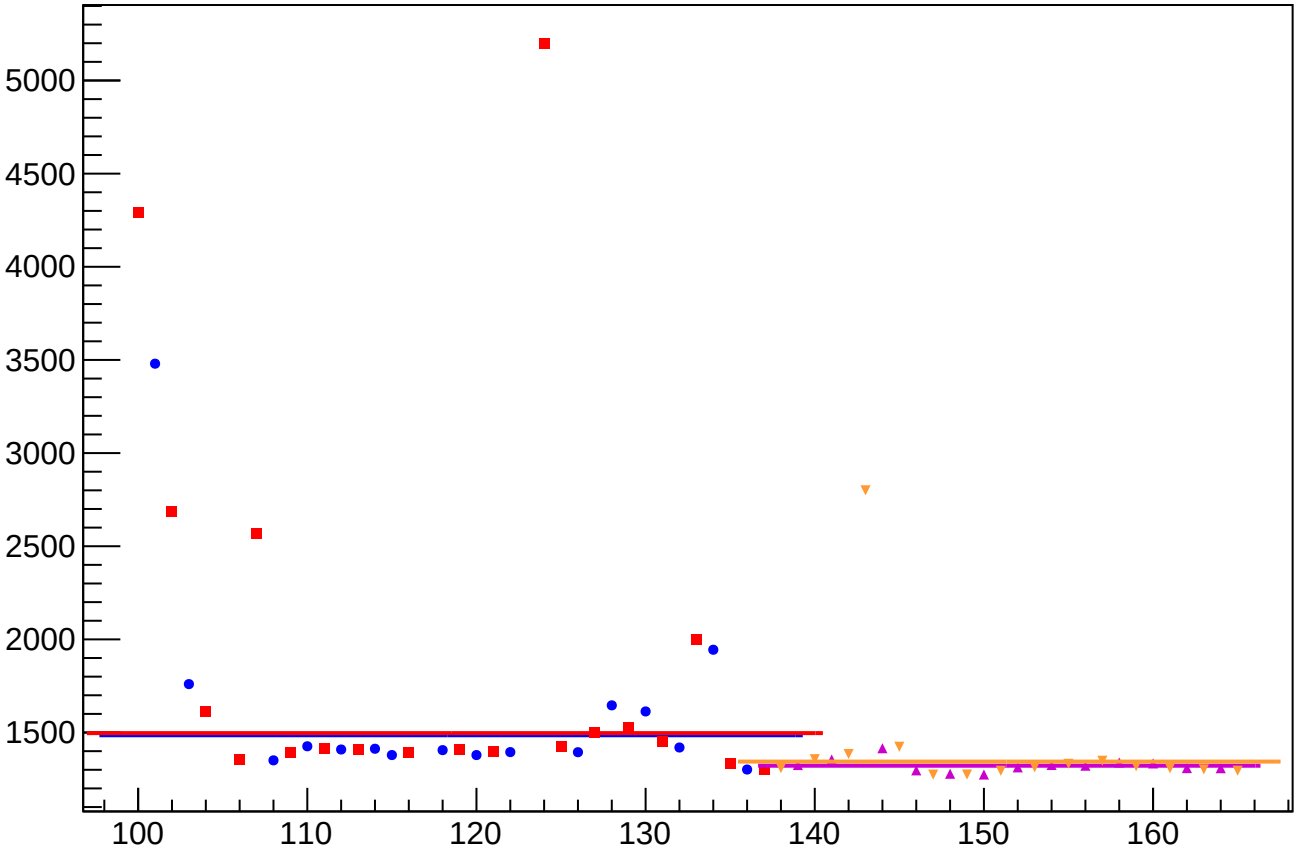
Left In: 503.721+/-399.228 χ^2/NDF:12.4/12

+ sign 94.212+/-323.469 χ^2/NDF: 29.0/30

All: 307.568+/-229.751 χ^2/NDF: 53.7/62

- sign 524.790+/-326.386 χ^2/NDF: 23.8/31

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1344.057+/-0.279 χ^2/NDF:466121.0/14

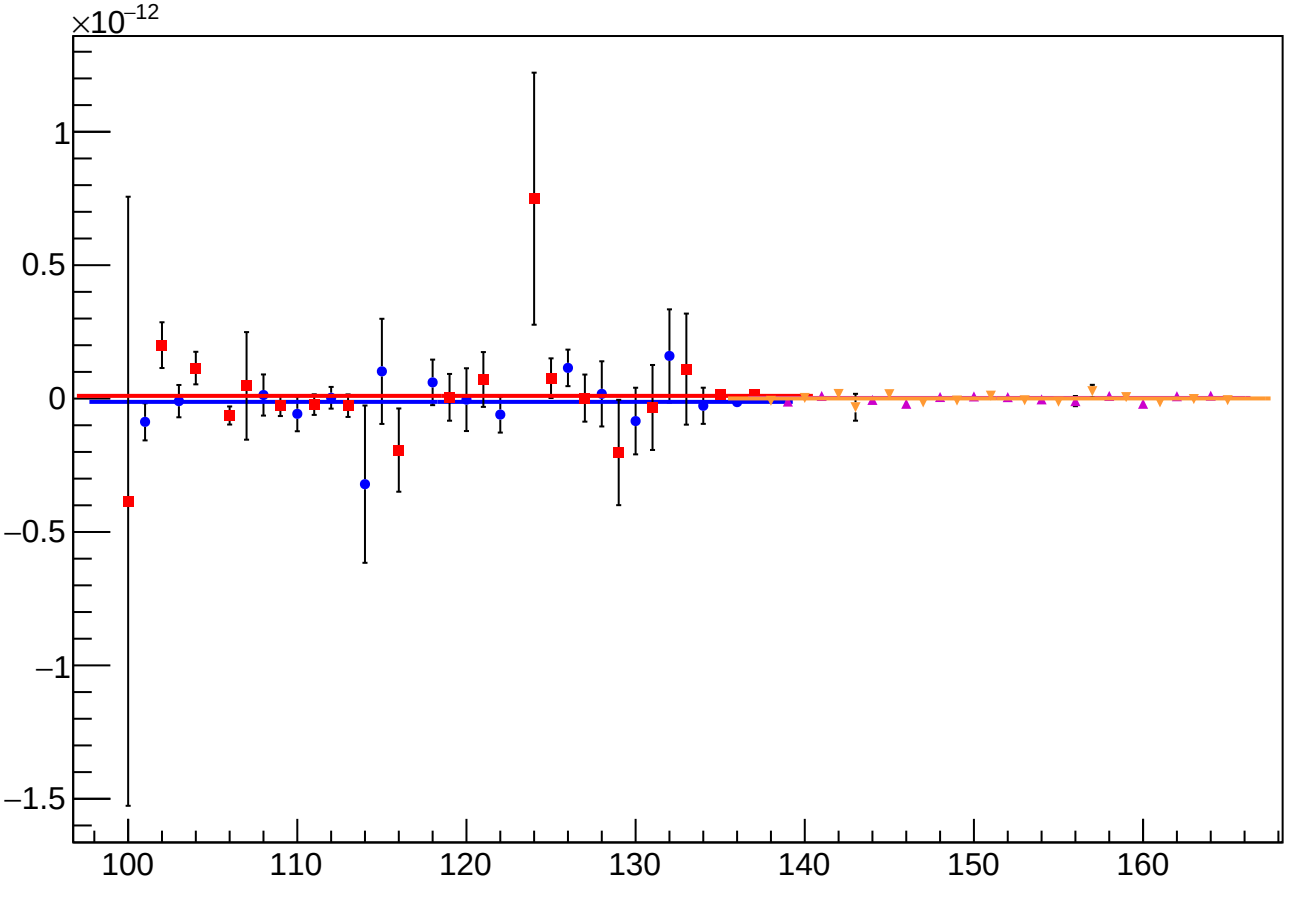
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.840+/-0.282 χ^2/NDF:14847.2/12

+ sign 1390.479+/-0.229 χ^2/NDF: 1134791.7/30

All: 1385.229+/-0.162 χ^2/NDF: 1901473.3/62

- sign 1379.883+/-0.231 χ^2/NDF: 765618.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/14

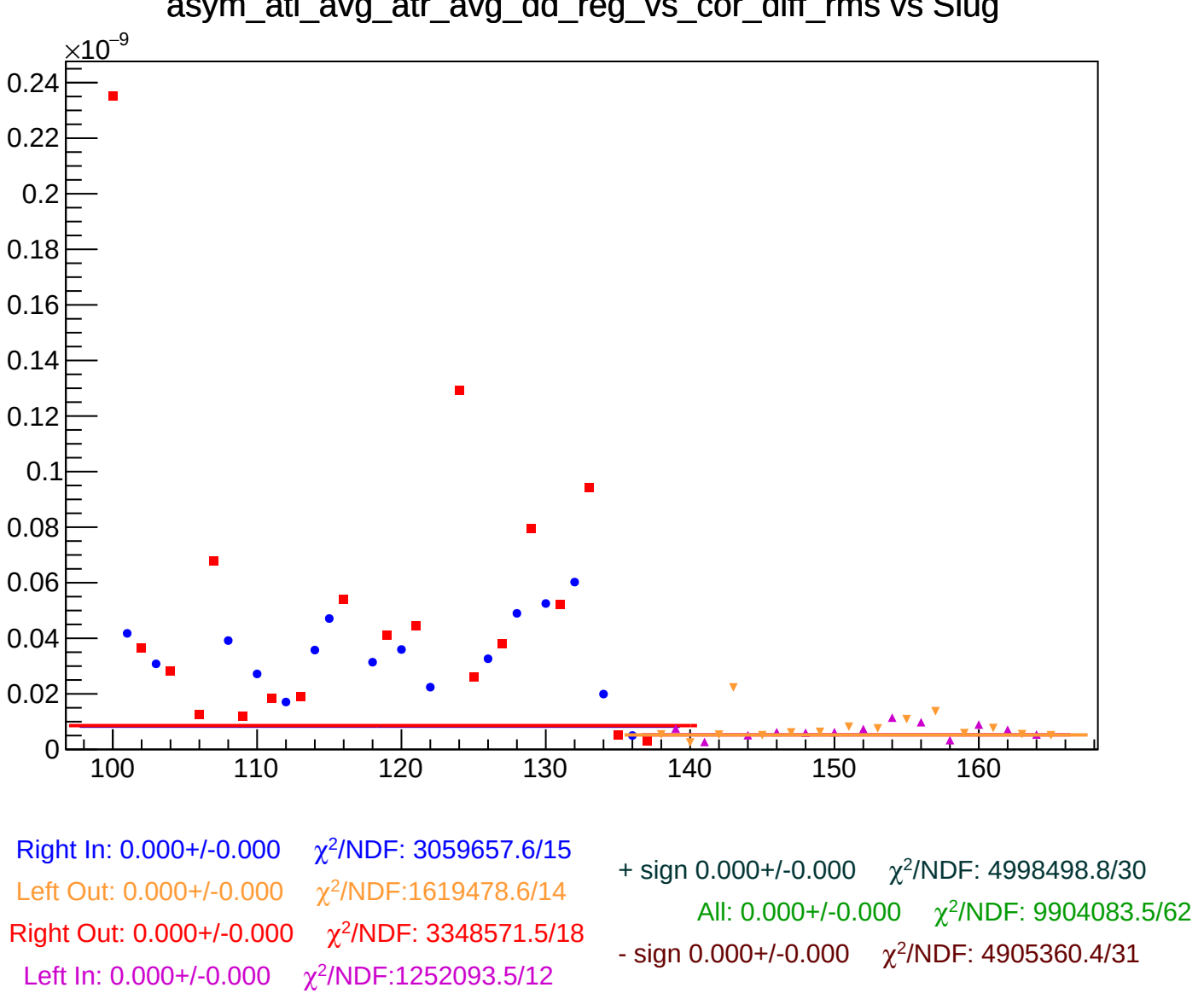
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

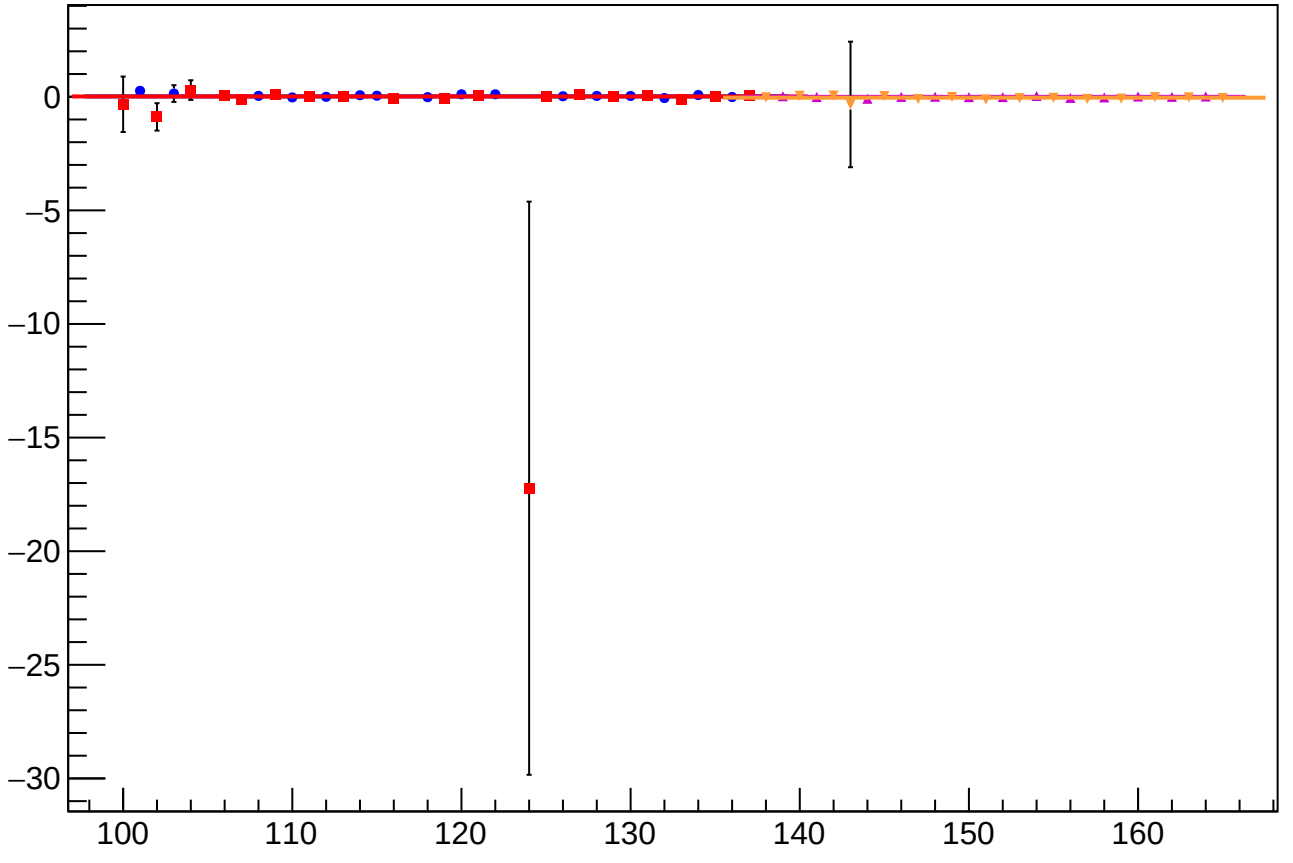
+ sign -0.000+/-0.000 χ^2/NDF: 26.2/30

All: 0.000+/-0.000 χ^2/NDF: 64.3/62

- sign 0.000+/-0.000 χ^2/NDF: 36.8/31


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3059657.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1619478.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 3348571.5/18
Left In: 0.000+/-0.000 χ²/NDF:1252093.5/12
+ sign 0.000+/-0.000 χ²/NDF: 4998498.8/30
All: 0.000+/-0.000 χ²/NDF: 9904083.5/62
- sign 0.000+/-0.000 χ²/NDF: 4905360.4/31

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

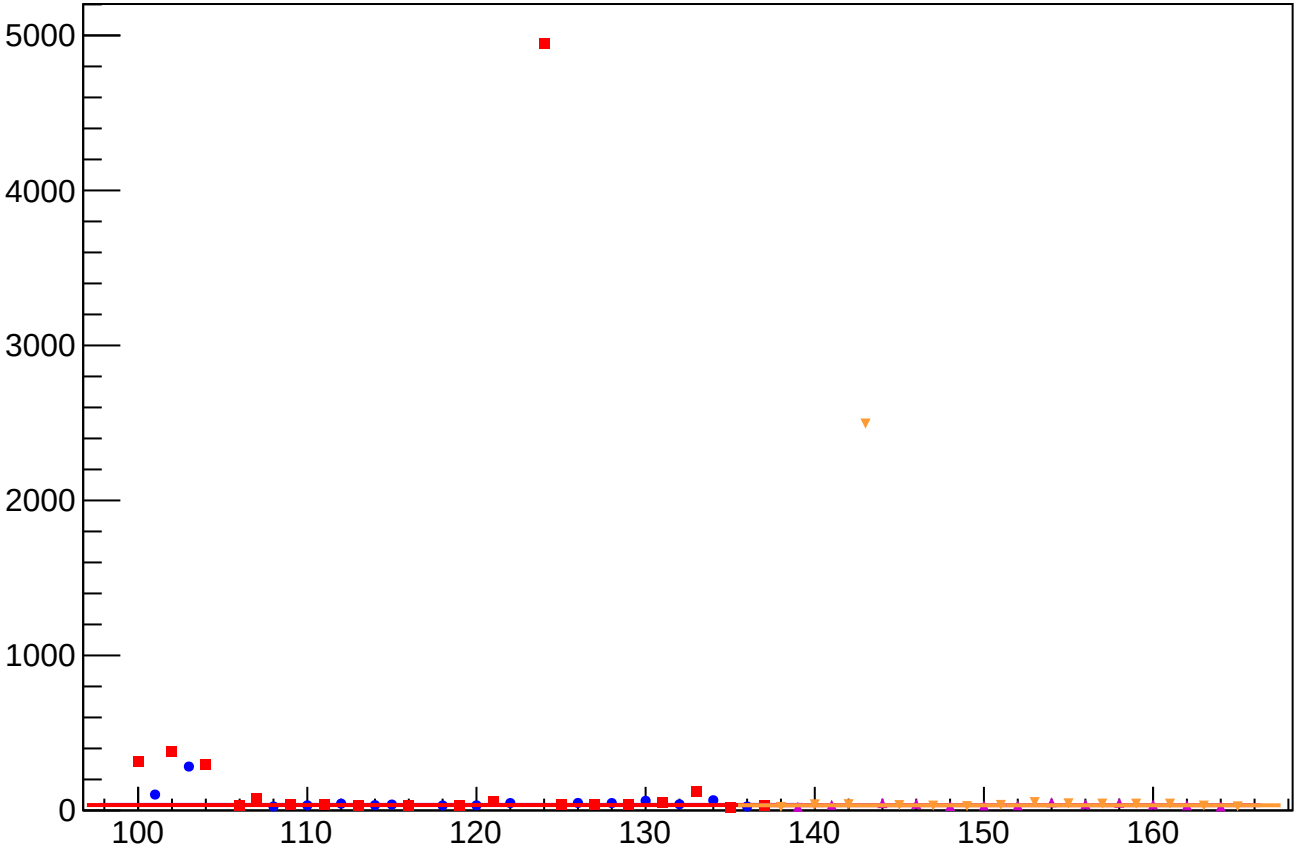
Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.021+/-0.009 χ^2/NDF: 38.2/30

All: -0.010+/-0.006 χ^2/NDF: 63.8/62

- sign 0.002+/-0.009 χ^2/NDF: 22.4/31

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.431+/-0.008 χ^2/NDF:2706581.9/14

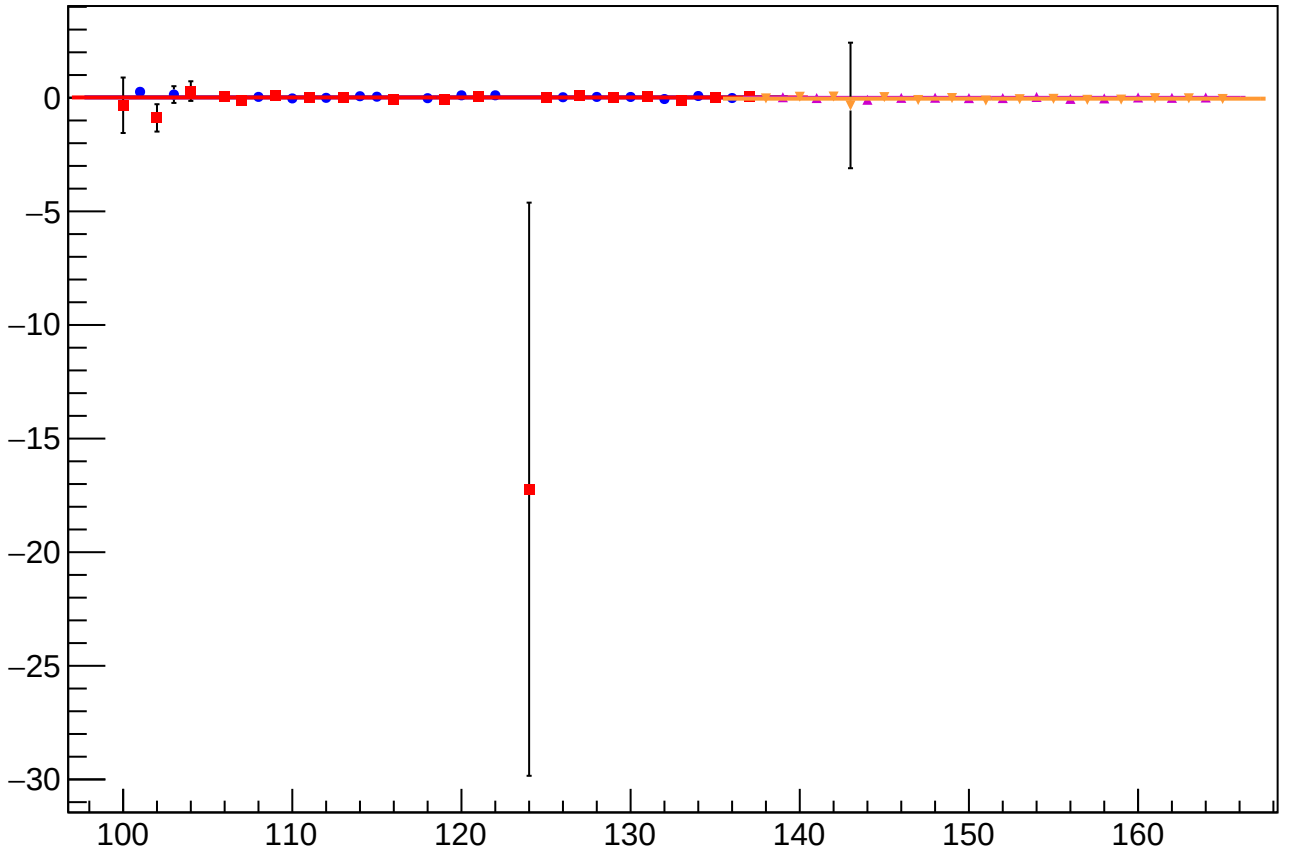
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

\+ sign 34.211+/-0.006 χ^2/NDF: 5001027.1/30

All: 34.358+/-0.005 χ^2/NDF: 8965332.7/62

\- sign 34.512+/-0.007 χ^2/NDF: 3963204.9/31



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

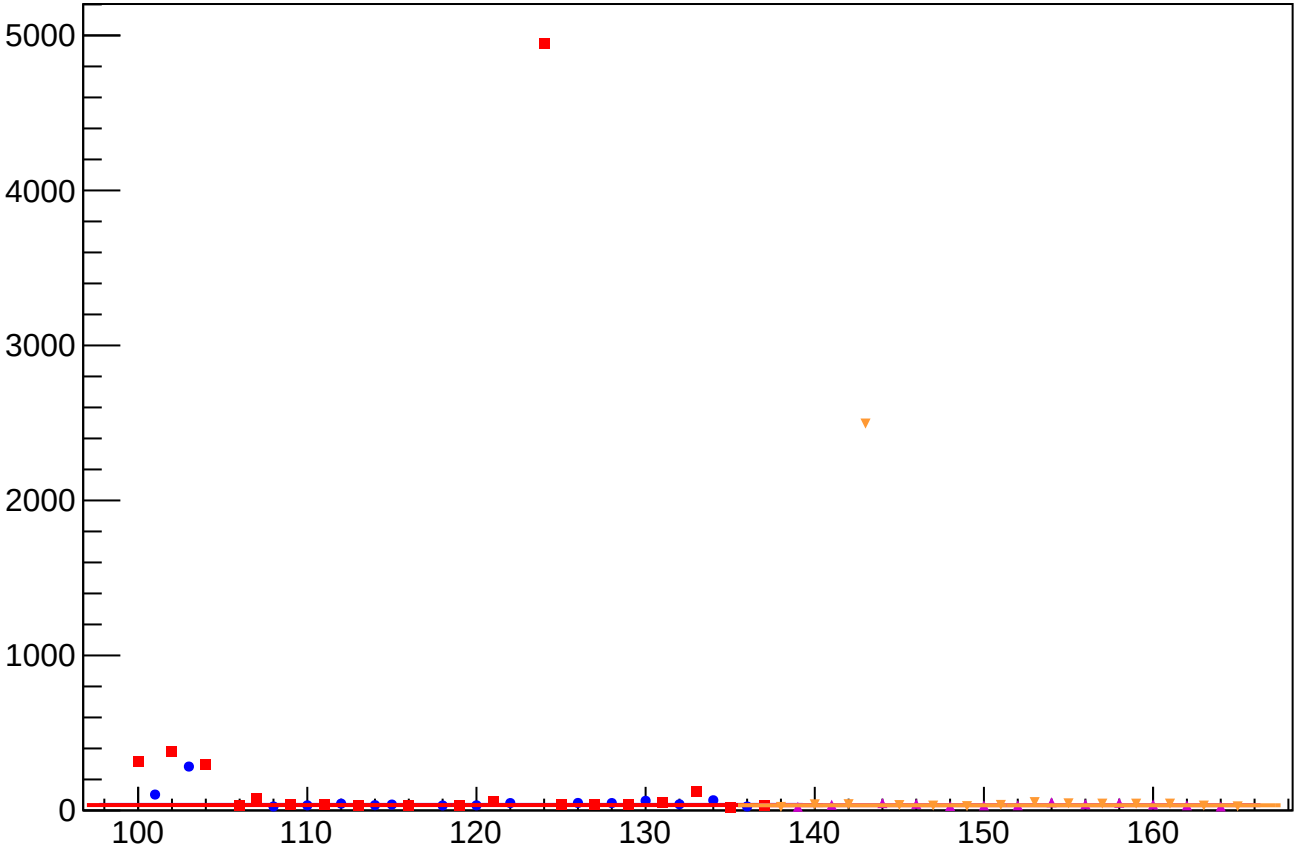
Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.021+/-0.009 χ^2/NDF: 38.2/30

All: -0.010+/-0.006 χ^2/NDF: 63.8/62

- sign 0.002+/-0.009 χ^2/NDF: 22.4/31

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.431+/-0.008 χ^2/NDF:2706581.9/14

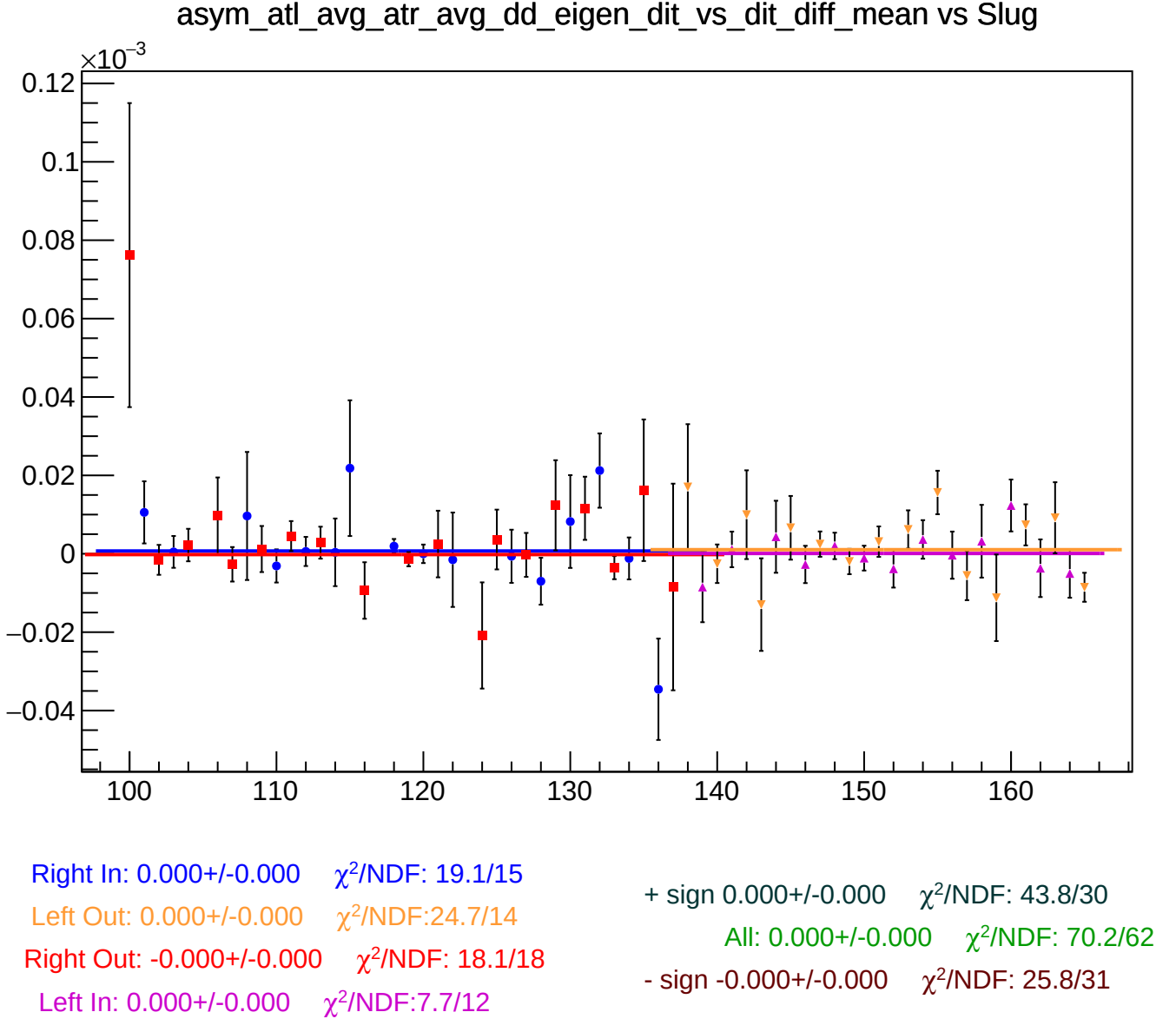
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

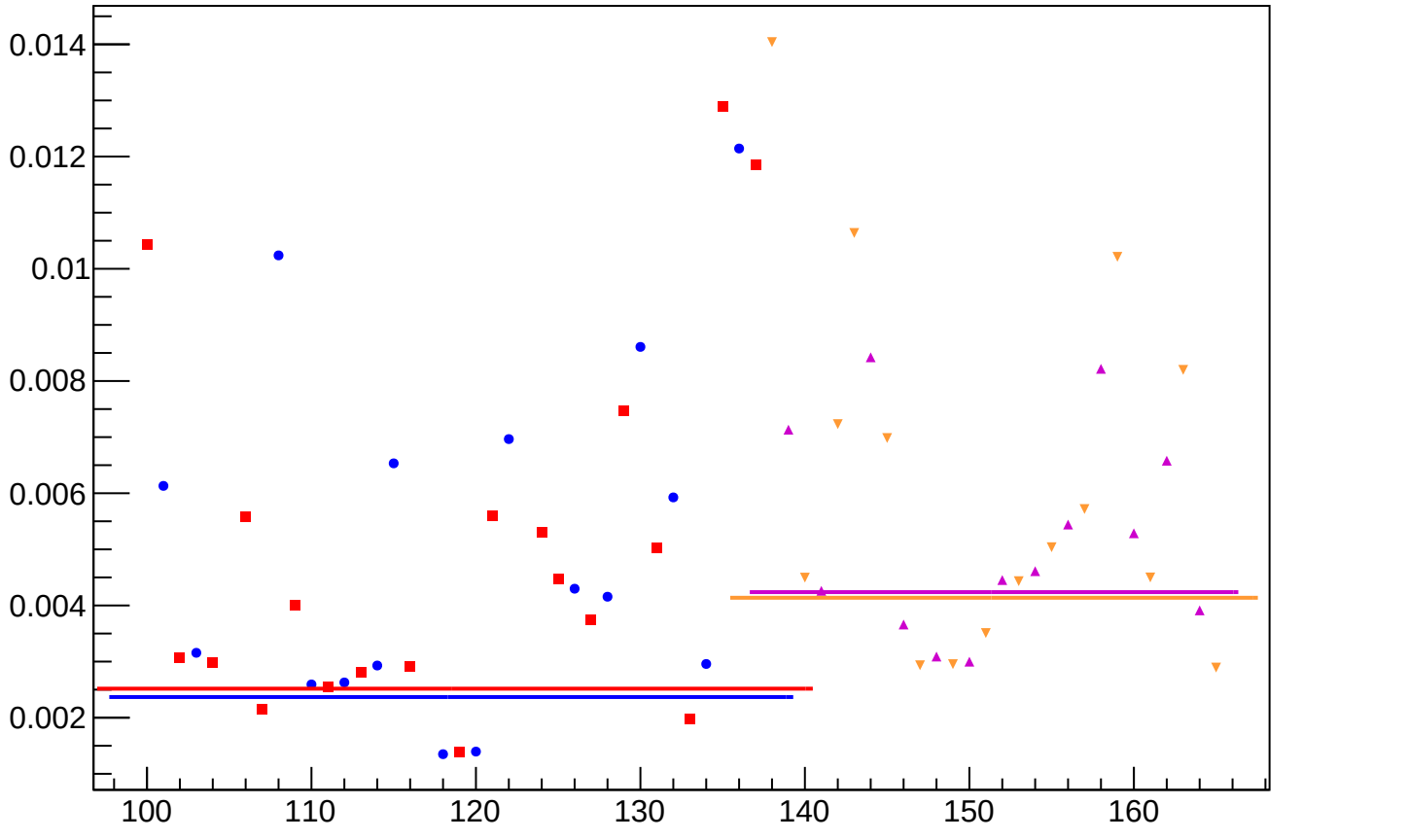
Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

+ sign 34.211+/-0.006 χ^2/NDF: 5001027.1/30

All: 34.358+/-0.005 χ^2/NDF: 8965332.7/62

- sign 34.512+/-0.007 χ^2/NDF: 3963204.9/31


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:24.7/14
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: 0.000+/-0.000 χ²/NDF:7.7/12
+ sign 0.000+/-0.000 χ²/NDF: 43.8/30
All: 0.000+/-0.000 χ²/NDF: 70.2/62
- sign -0.000+/-0.000 χ²/NDF: 25.8/31



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3800172.6/14

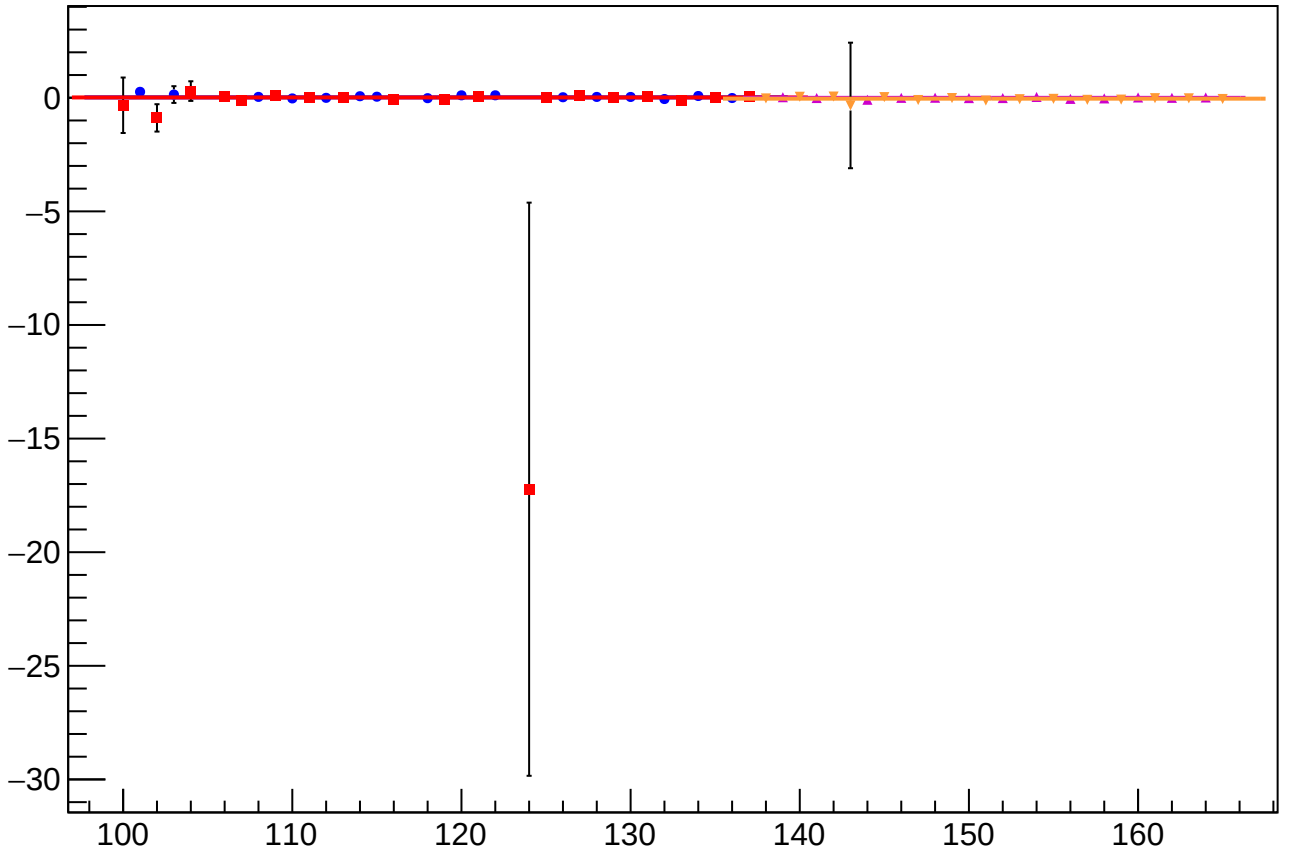
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1911447.7/12

+ sign 0.003+/-0.000 χ^2/NDF: 10607736.1/30

All: 0.003+/-0.000 χ^2/NDF: 17798764.2/62

- sign 0.003+/-0.000 χ^2/NDF: 7188087.9/31



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

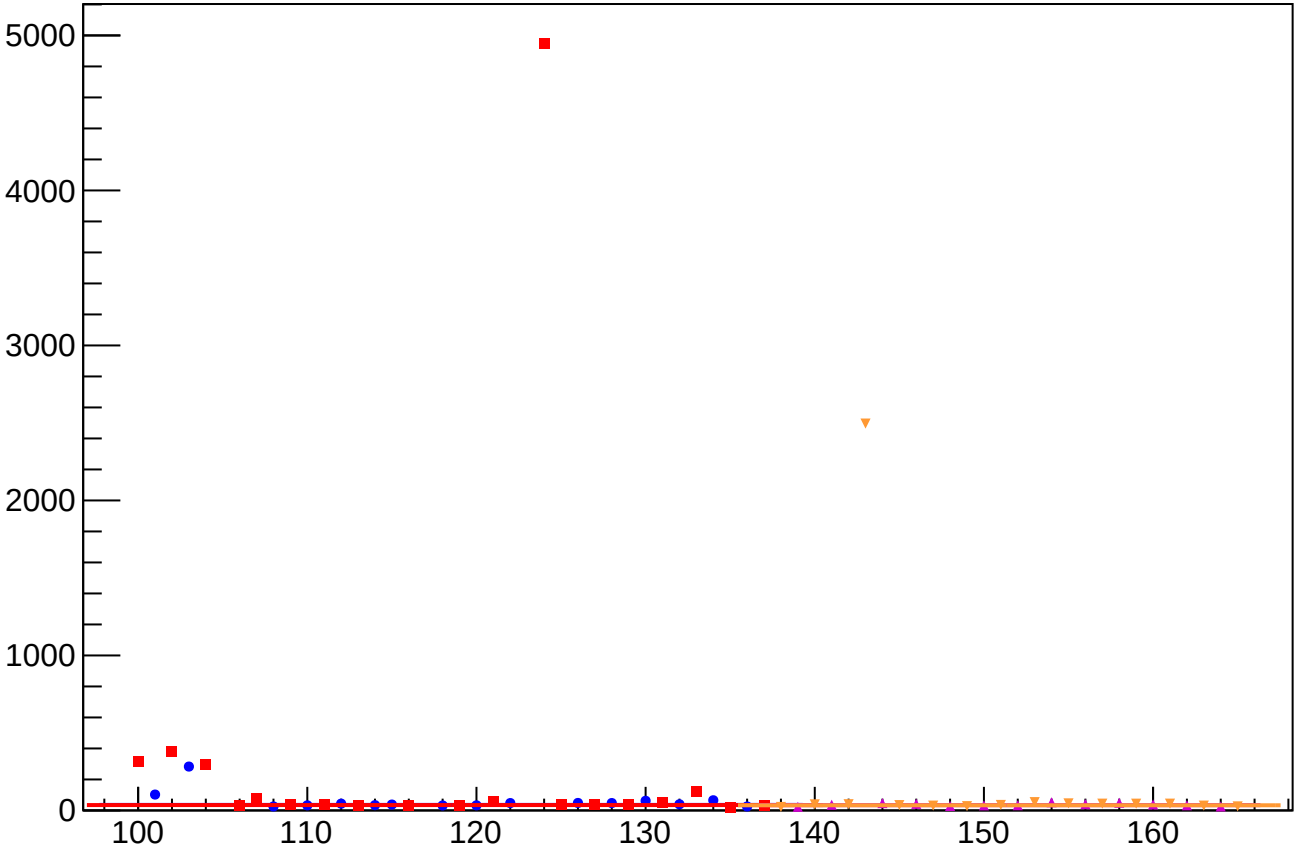
Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.021+/-0.009 χ^2/NDF: 38.2/30

All: -0.010+/-0.006 χ^2/NDF: 63.8/62

- sign 0.002+/-0.009 χ^2/NDF: 22.4/31

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.430+/-0.008 χ^2/NDF:2706891.8/14

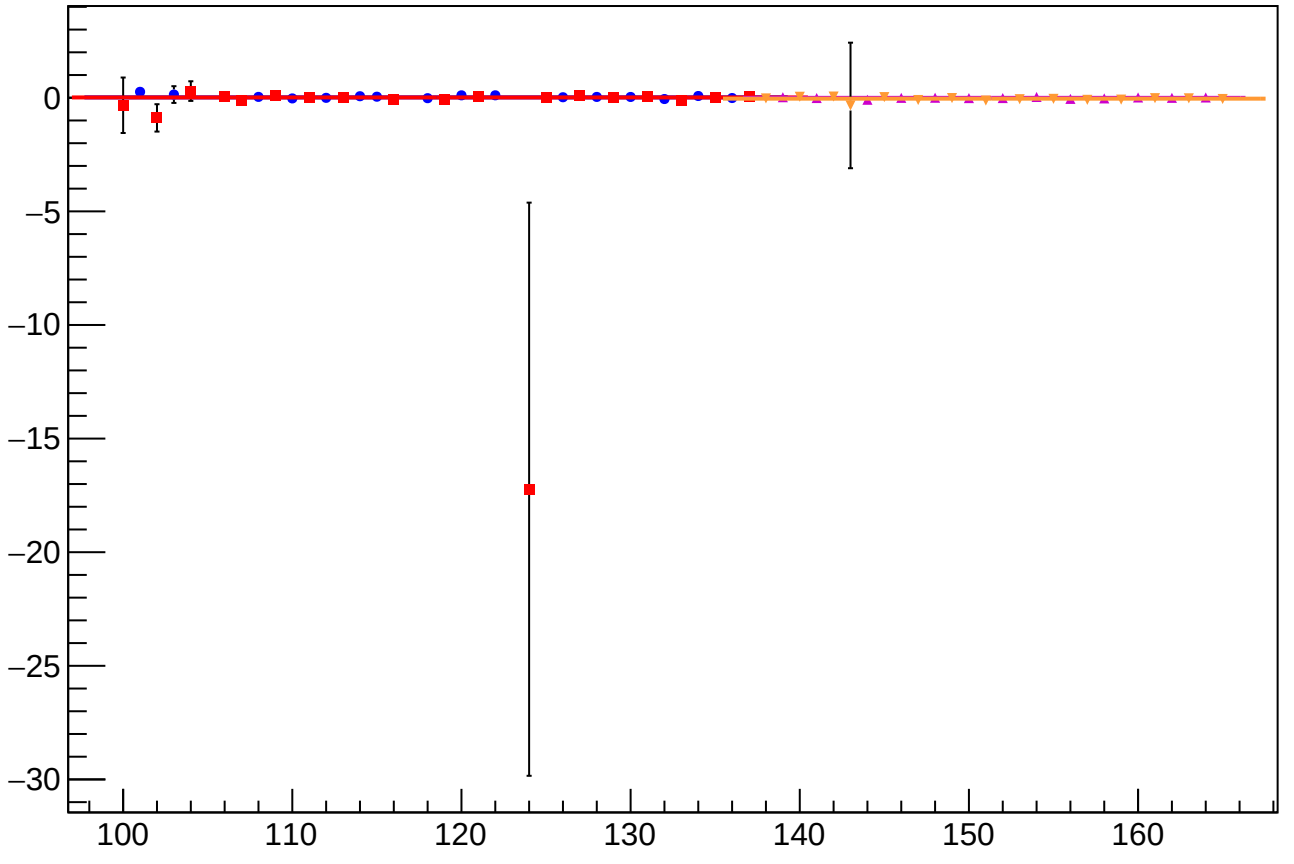
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

+ sign 34.211+/-0.006 χ^2/NDF: 5001111.2/30

All: 34.357+/-0.005 χ^2/NDF: 8965930.5/62

- sign 34.512+/-0.007 χ^2/NDF: 3963726.2/31



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

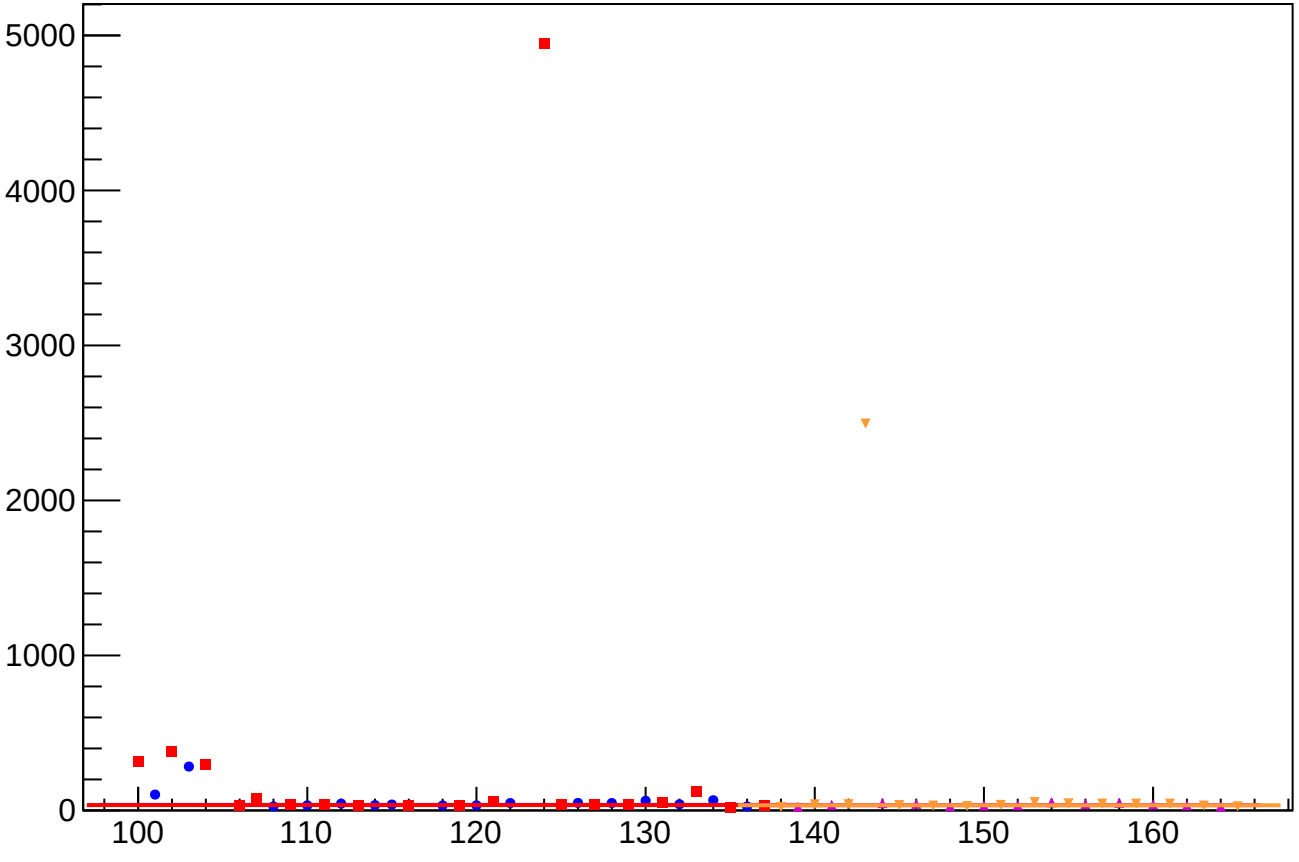
Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.021+/-0.009 χ^2/NDF: 38.2/30

All: -0.010+/-0.006 χ^2/NDF: 63.8/62

- sign 0.002+/-0.009 χ^2/NDF: 22.4/31

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.430+/-0.008 χ^2/NDF:2706891.8/14

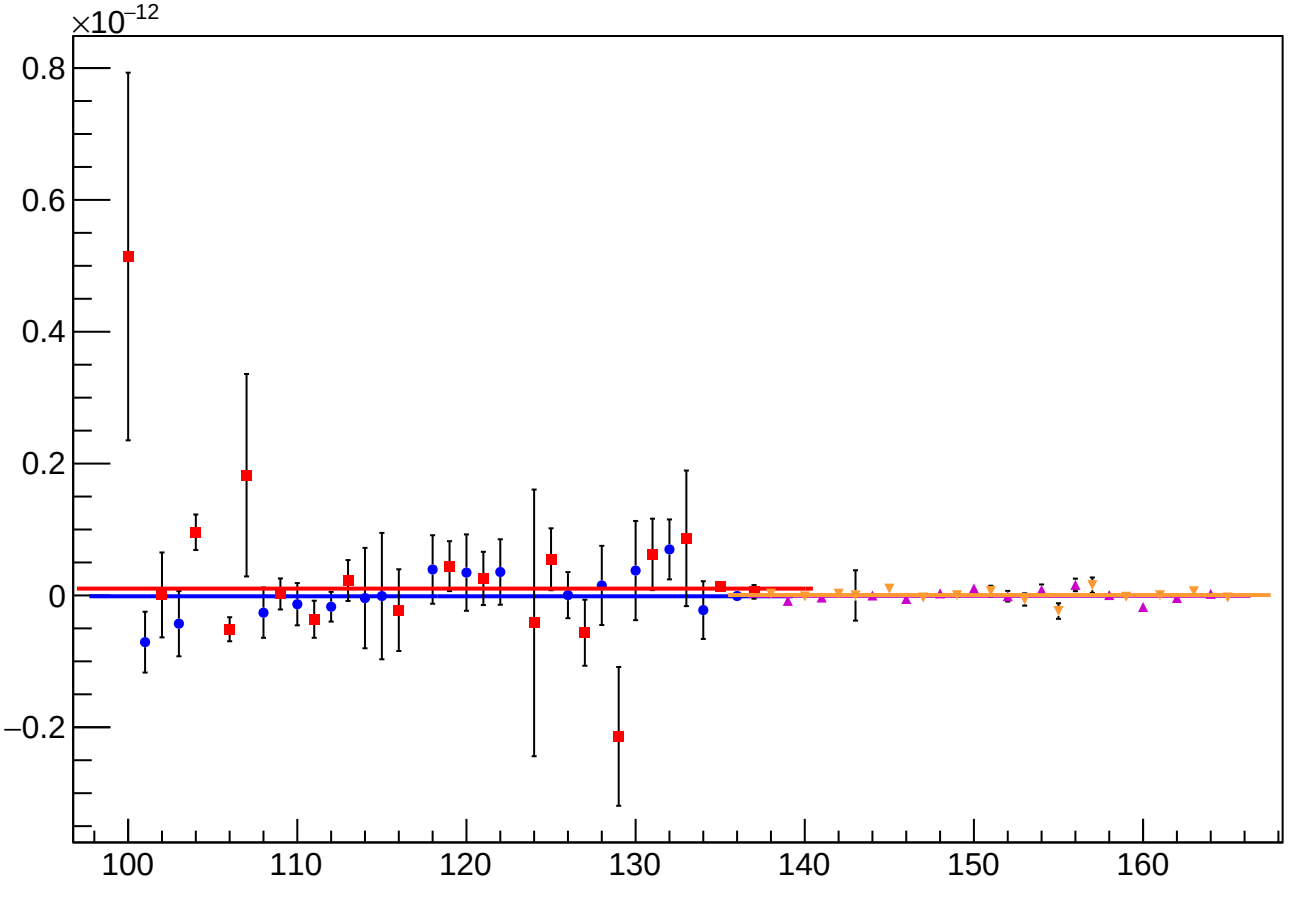
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

+ sign 34.211+/-0.006 χ^2/NDF: 5001111.2/30

All: 34.357+/-0.005 χ^2/NDF: 8965930.5/62

- sign 34.512+/-0.007 χ^2/NDF: 3963726.2/31



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/14

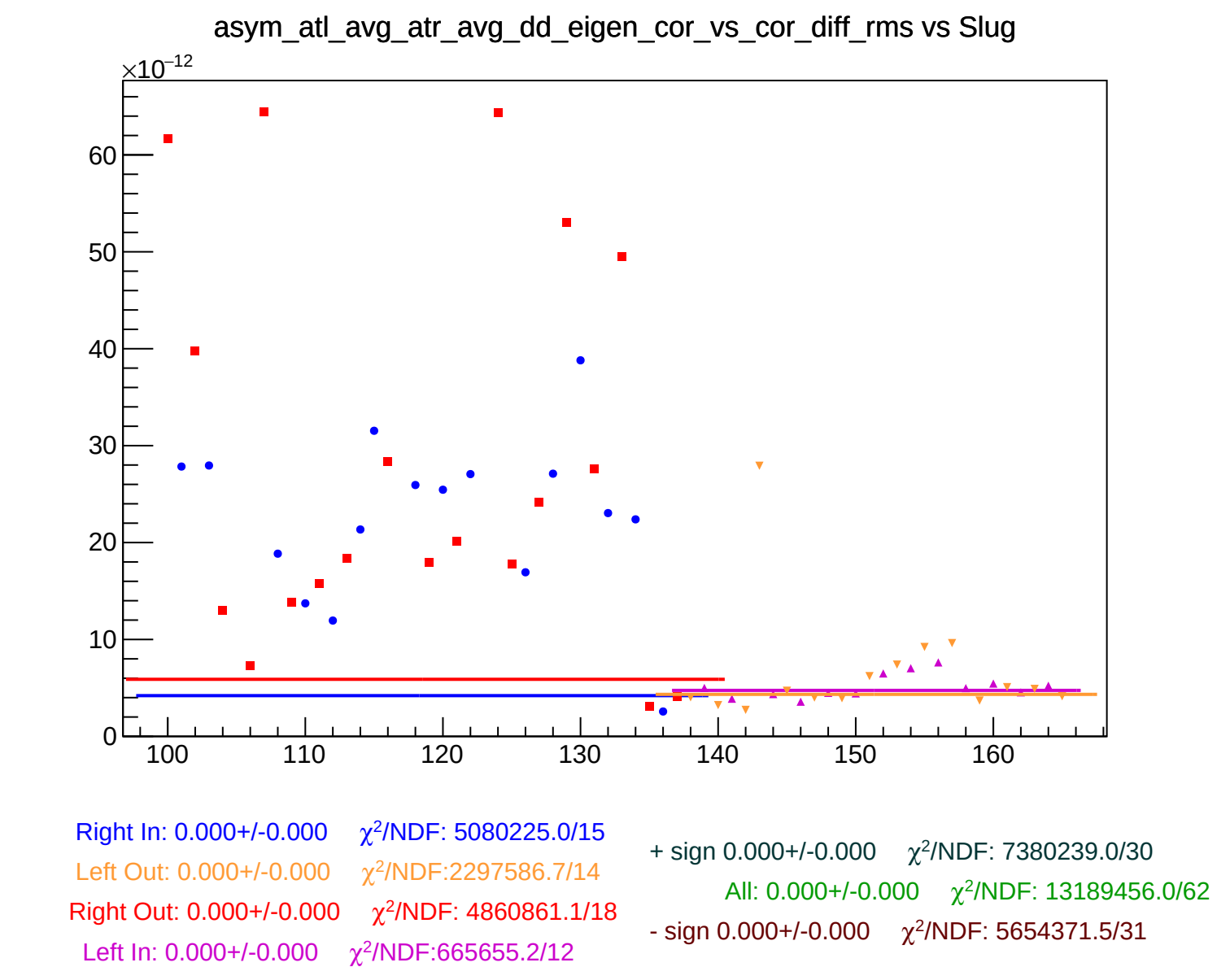
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/12

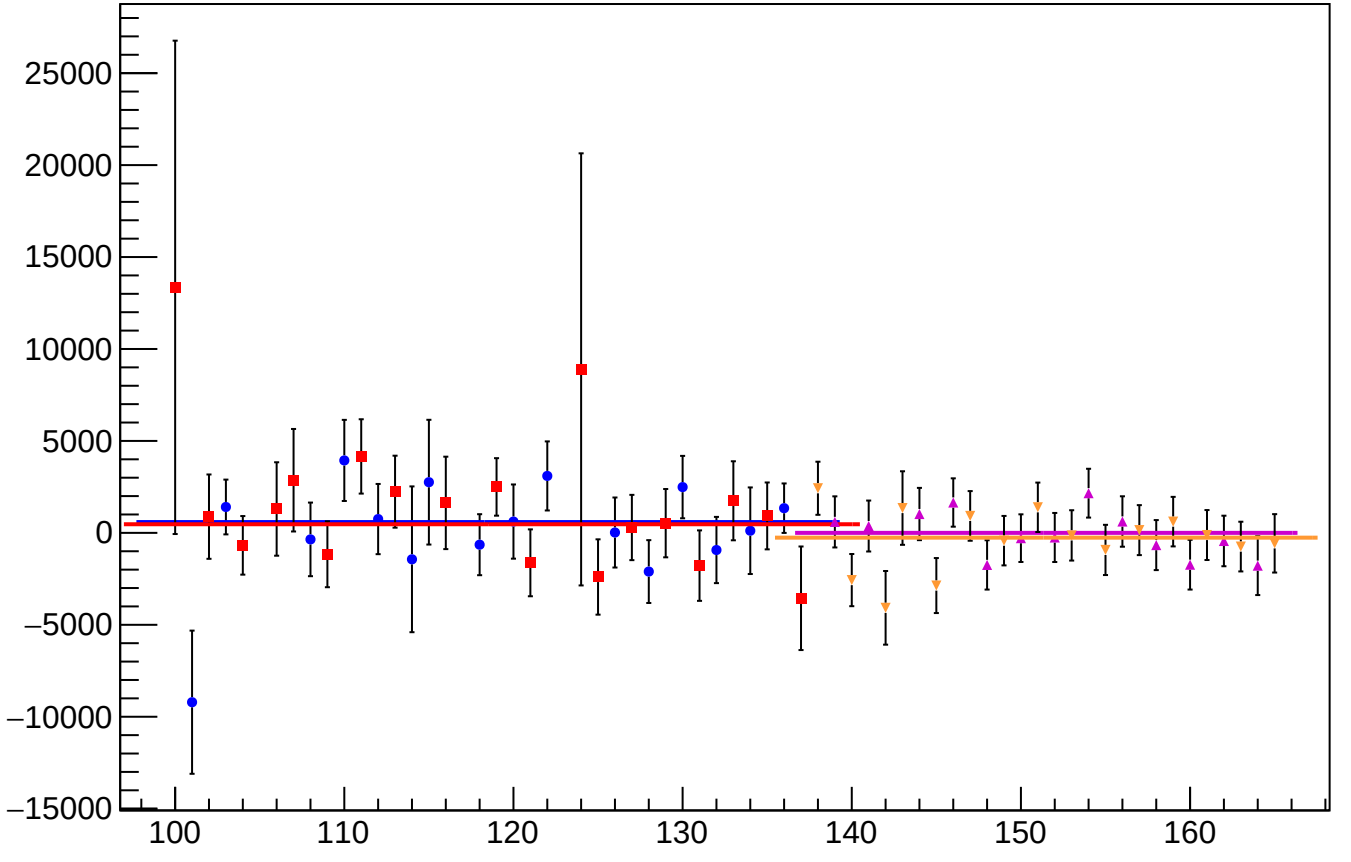
+ sign 0.000+/-0.000 χ^2/NDF: 20.7/30

All: 0.000+/-0.000 χ^2/NDF: 83.8/62

- sign 0.000+/-0.000 χ^2/NDF: 63.0/31


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2297586.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:665655.2/12
+ sign 0.000+/-0.000 χ²/NDF: 7380239.0/30
All: 0.000+/-0.000 χ²/NDF: 13189456.0/62
- sign 0.000+/-0.000 χ²/NDF: 5654371.5/31

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.378+/-371.977 χ^2/NDF:16.6/14

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

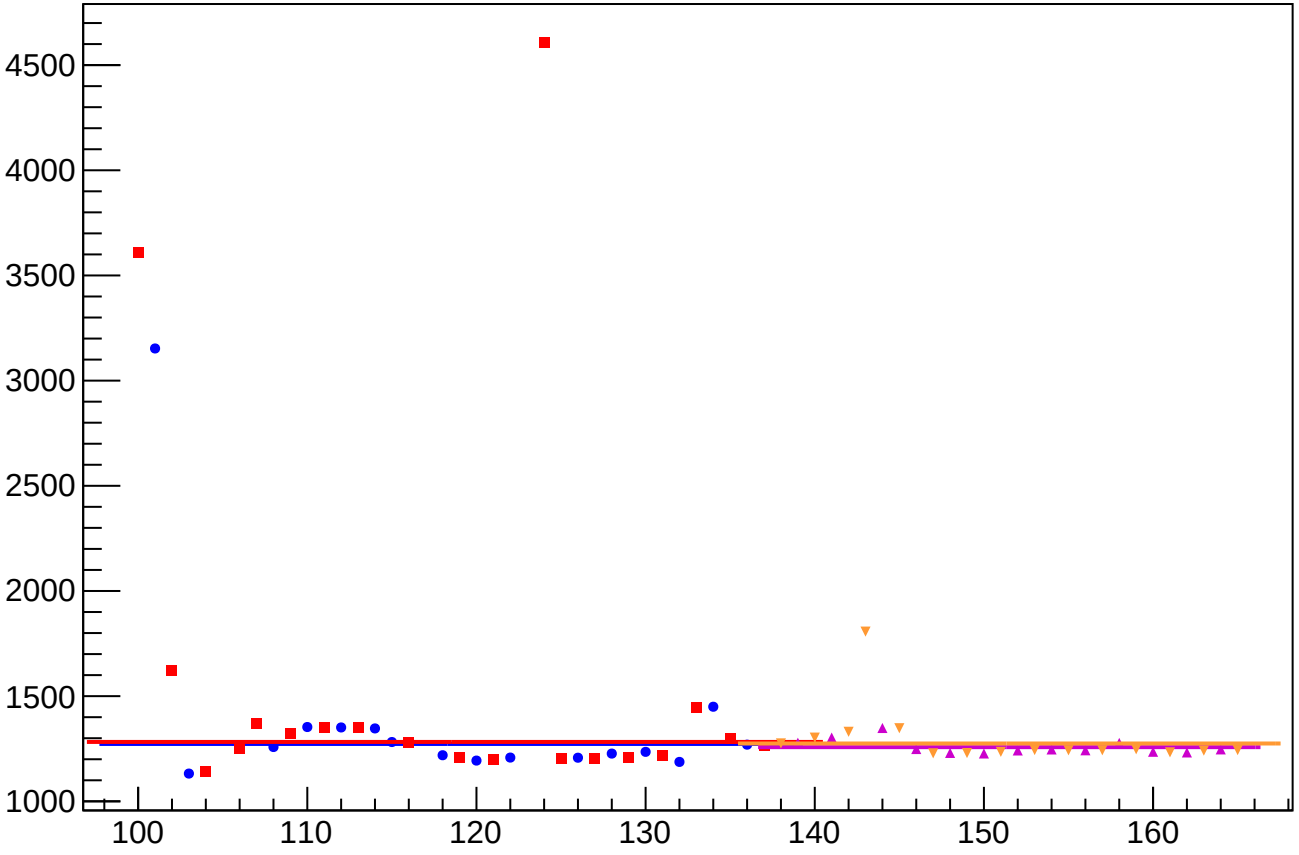
Left In: 0.394+/-379.805 χ^2/NDF:10.2/12

+ sign 55.540+/-294.580 χ^2/NDF: 35.7/30

All: 117.349+/-209.486 χ^2/NDF: 63.4/62

- sign 180.587+/-297.967 χ^2/NDF: 27.6/31

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

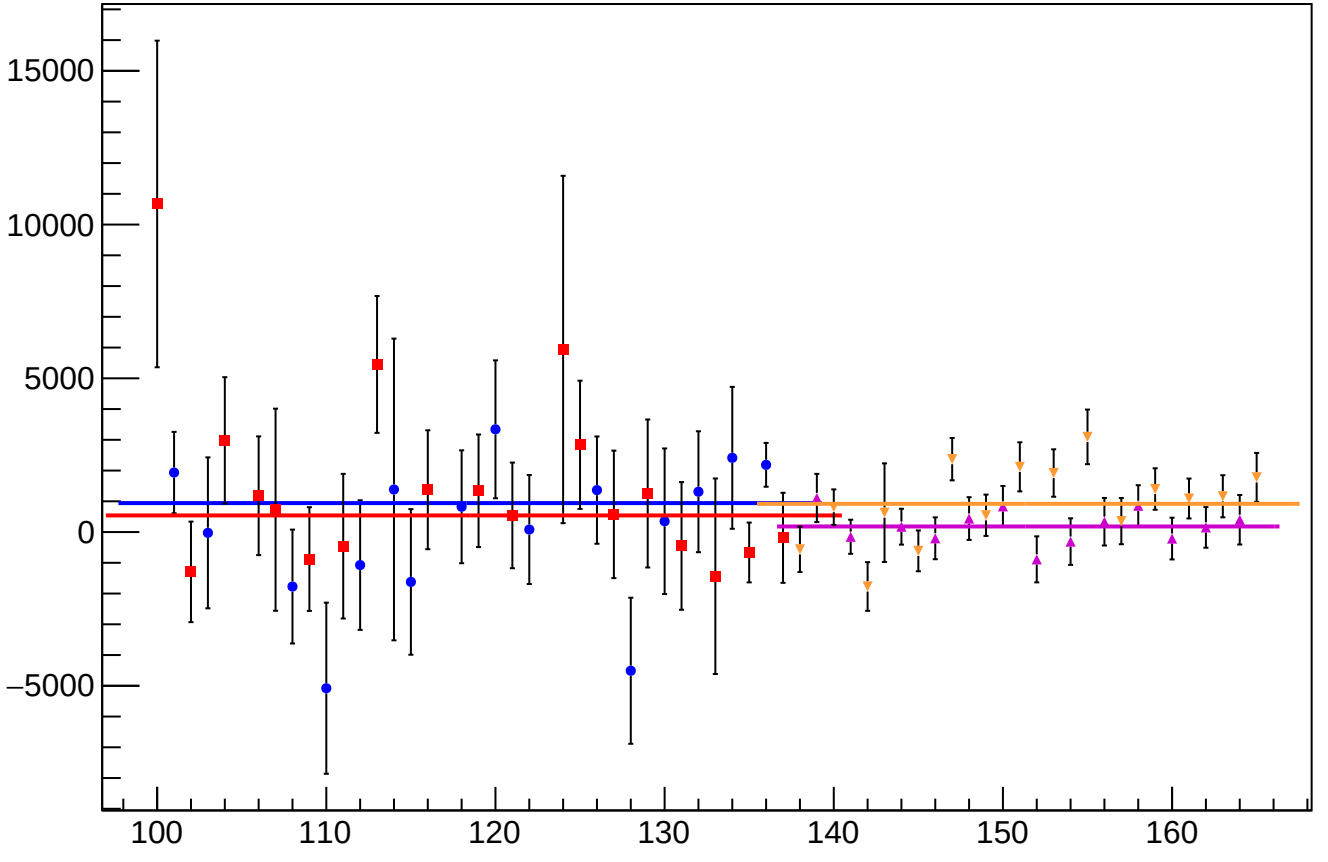
Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1274.130+/-0.208 χ^2/NDF: 682349.4/30

All: 1270.661+/-0.148 χ^2/NDF: 1023478.9/62

- sign 1267.111+/-0.211 χ^2/NDF: 340568.2/31

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 918.738+/-188.961 χ^2/NDF:38.1/14

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

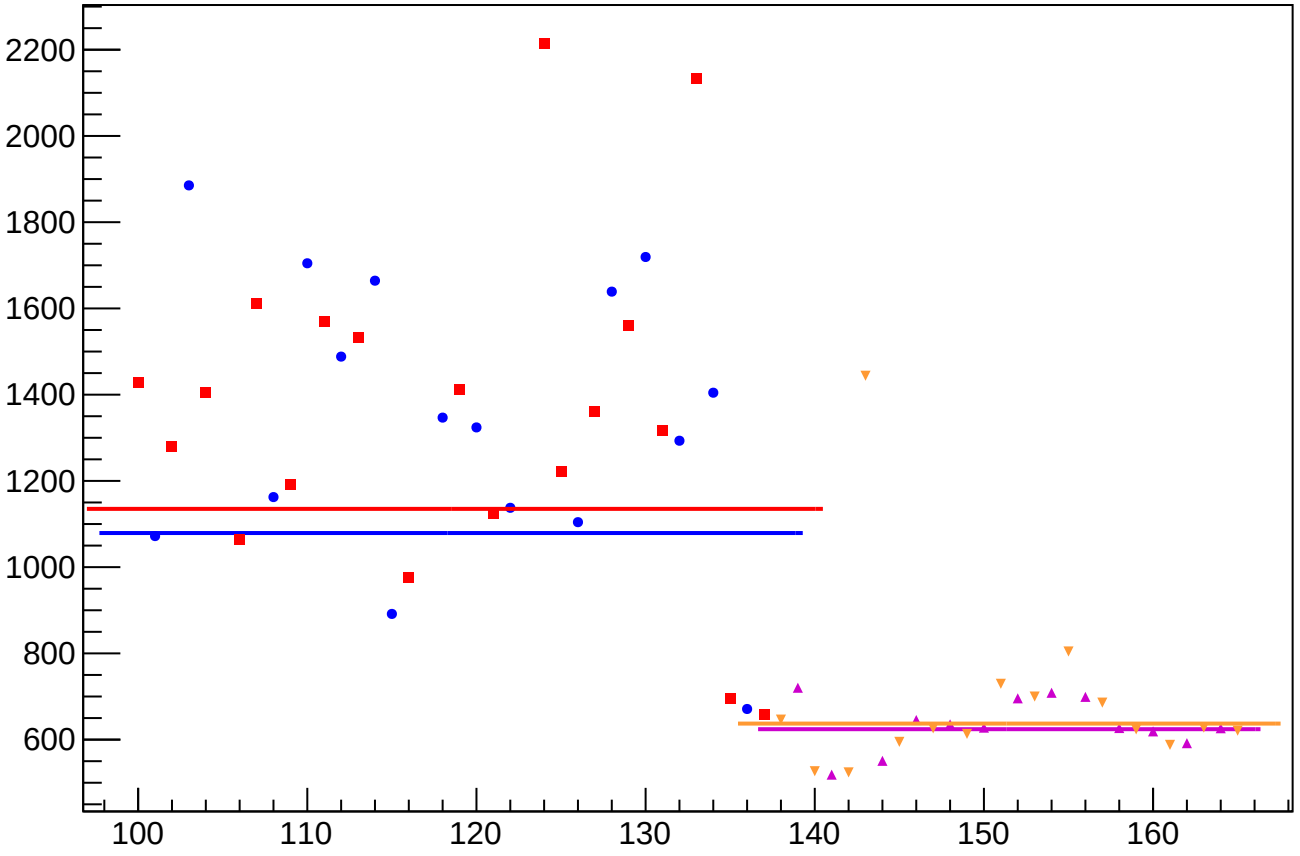
Left In: 181.537+/-189.763 χ^2/NDF:7.1/12

+ sign 922.525+/-172.719 χ^2/NDF: 58.0/30

All: 583.204+/-122.666 χ^2/NDF: 90.7/62

- sign 237.873+/-174.242 χ^2/NDF: 24.9/31

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: 637.199+/-0.134 χ^2/NDF:764887.9/14

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

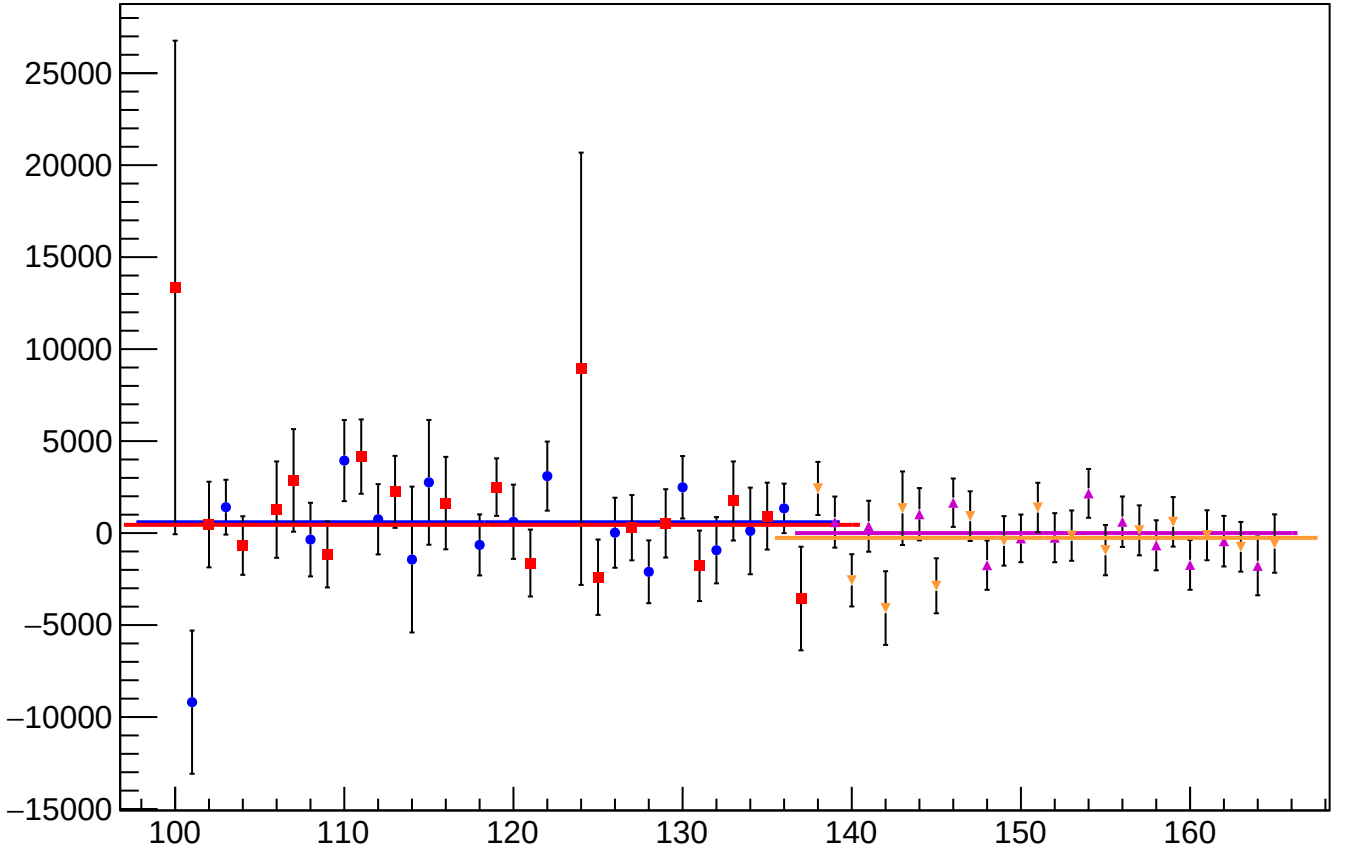
Left In: 624.194+/-0.134 χ^2/NDF:203552.6/12

+ sign 709.900+/-0.122 χ^2/NDF: 4046707.4/30

All: 707.154+/-0.087 χ^2/NDF: 7819367.3/62

- sign 704.359+/-0.123 χ^2/NDF: 3771639.8/31

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

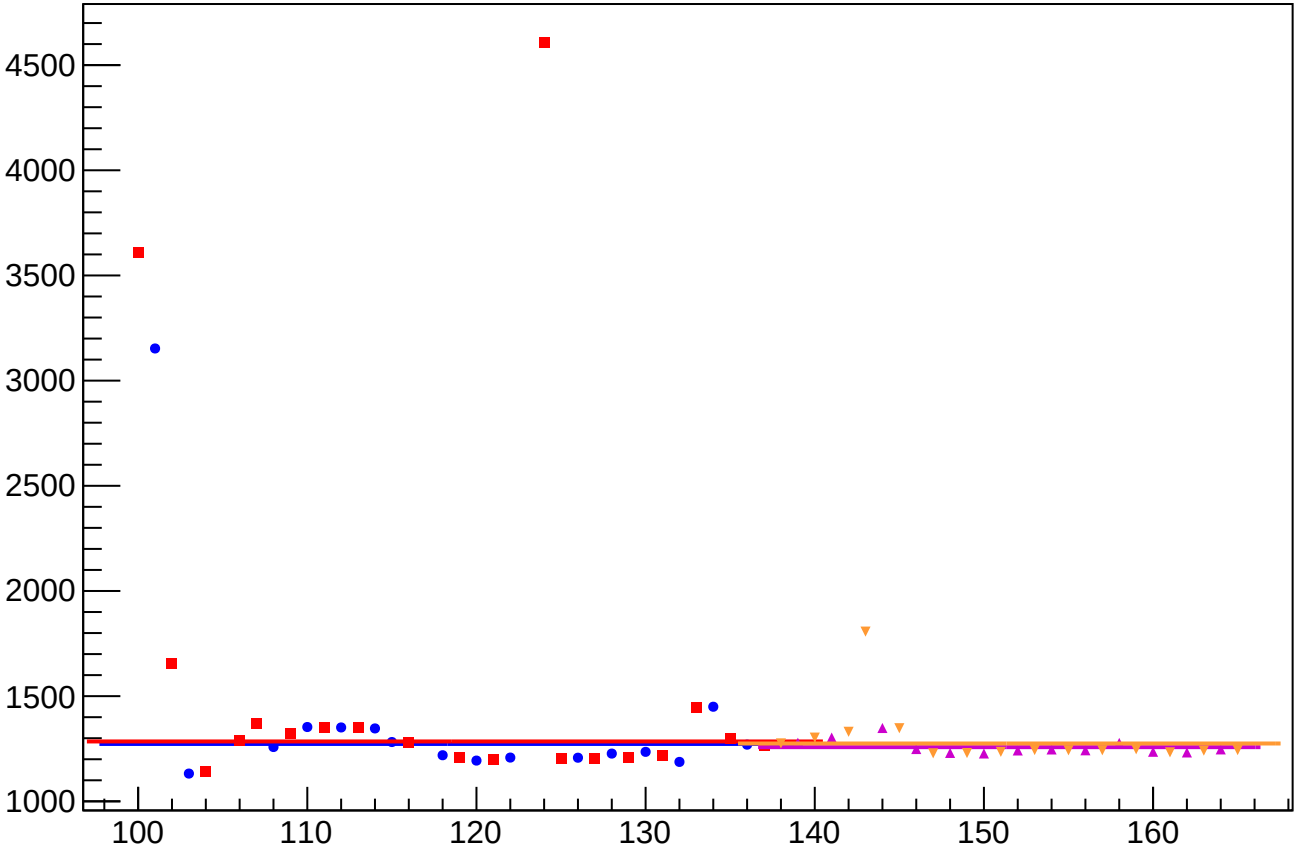
Left In: 0.410+/-379.805 χ^2/NDF:10.2/12

+ sign 55.587+/-294.580 χ^2/NDF: 35.6/30

All: 113.246+/-209.554 χ^2/NDF: 63.3/62

- sign 172.316+/-298.161 χ^2/NDF: 27.5/31

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

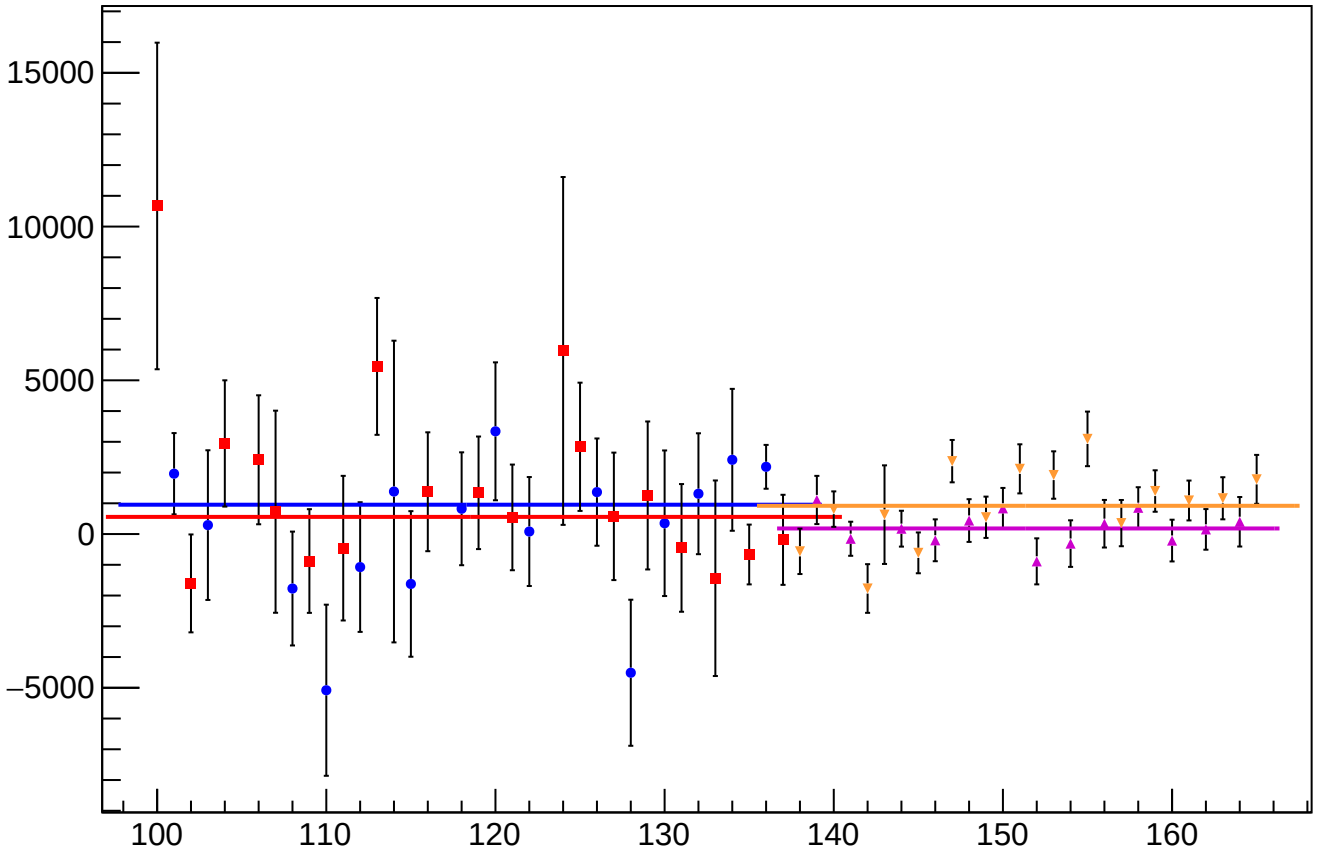
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1274.130+/-0.208 χ^2/NDF: 682350.8/30

All: 1271.087+/-0.148 χ^2/NDF: 1030632.2/62

- sign 1267.970+/-0.211 χ^2/NDF: 347849.2/31



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 918.688+/-188.962 χ^2/NDF:38.1/14

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

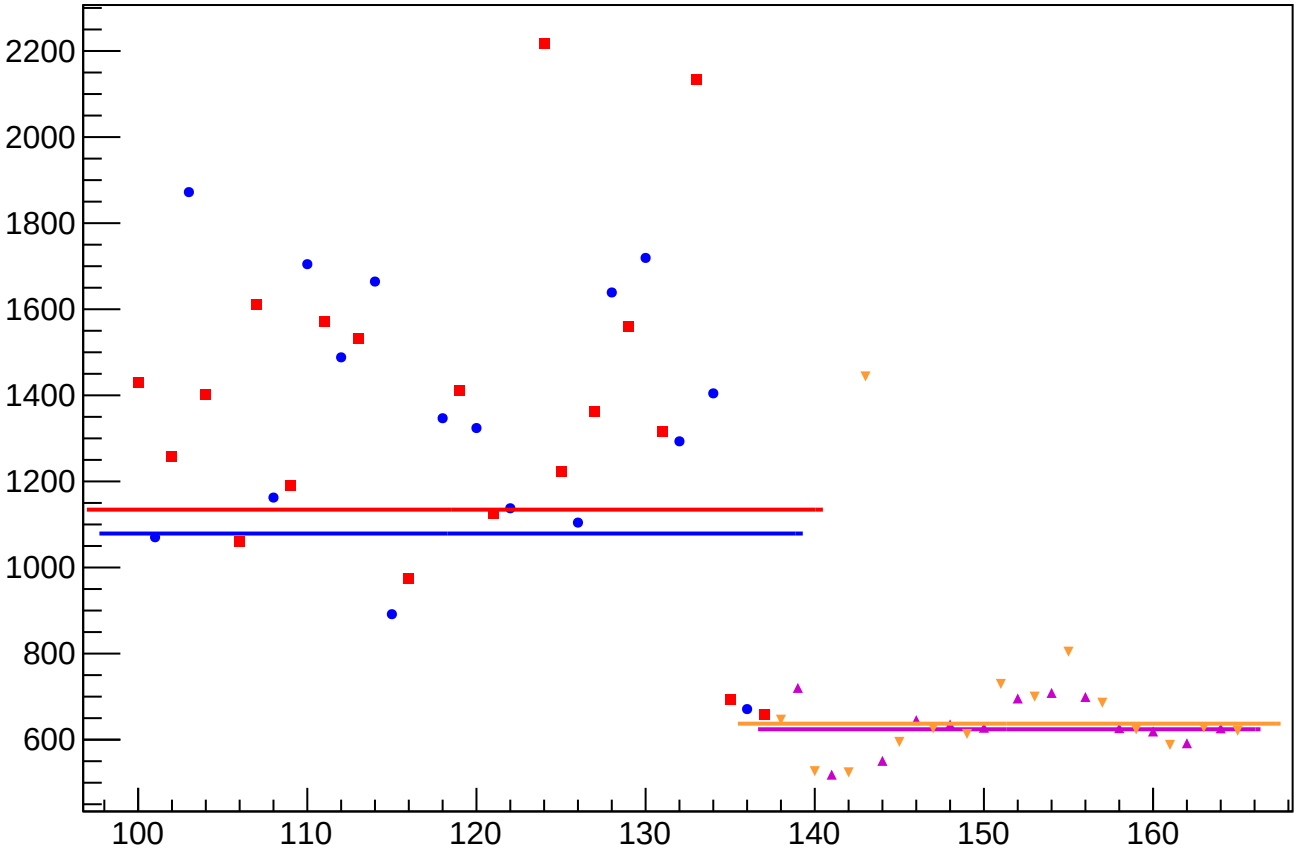
Left In: 181.539+/-189.762 χ^2/NDF:7.1/12

+ sign 924.525+/-172.708 χ^2/NDF: 58.0/30

All: 585.589+/-122.680 χ^2/NDF: 91.9/62

- sign 240.398+/-174.295 χ^2/NDF: 26.1/31

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: 637.203+/-0.134 χ^2/NDF:764802.1/14

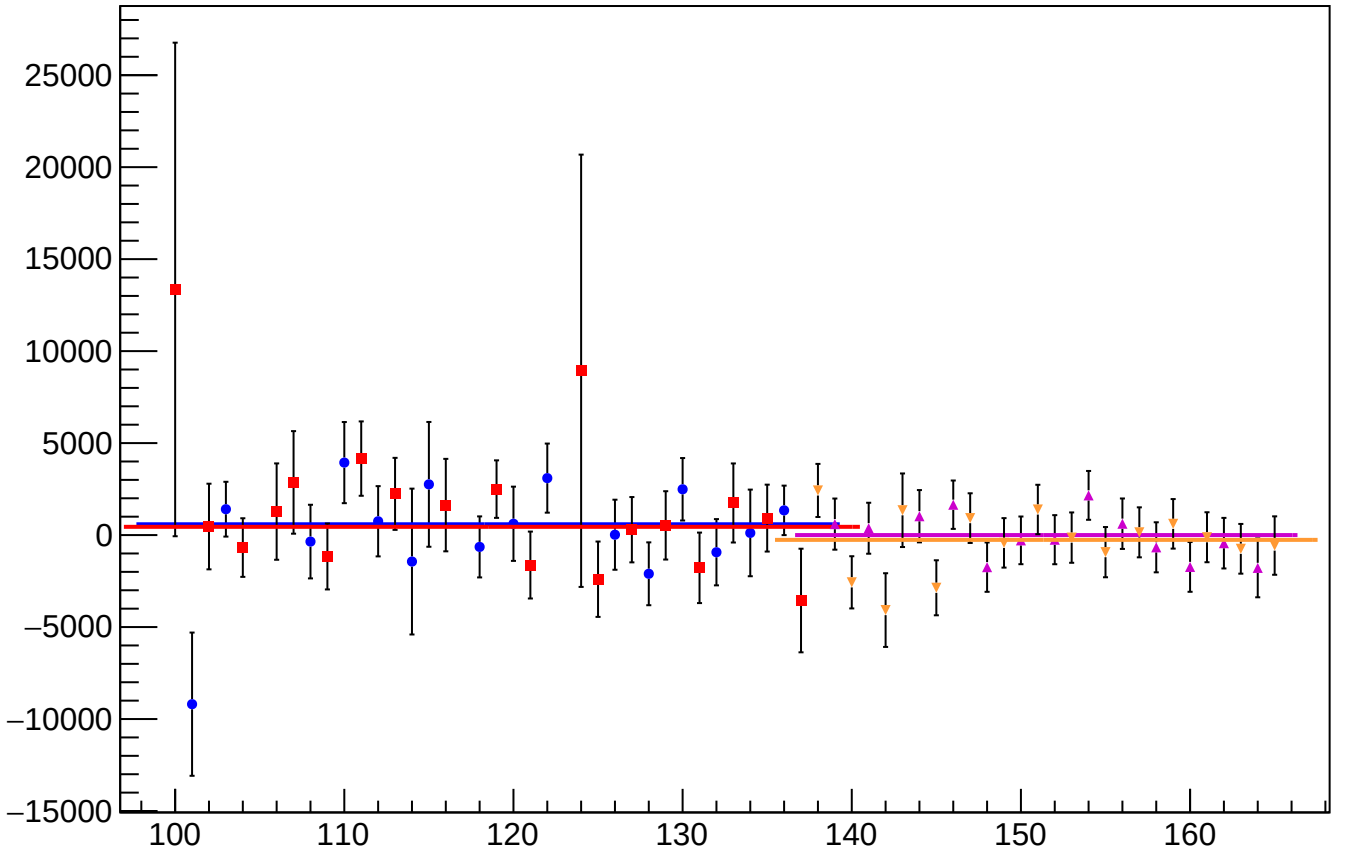
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

+ sign 709.924+/-0.122 χ^2/NDF: 4042784.3/30

All: 706.979+/-0.087 χ^2/NDF: 7797543.9/62

- sign 703.980+/-0.123 χ^2/NDF: 3753585.9/31



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

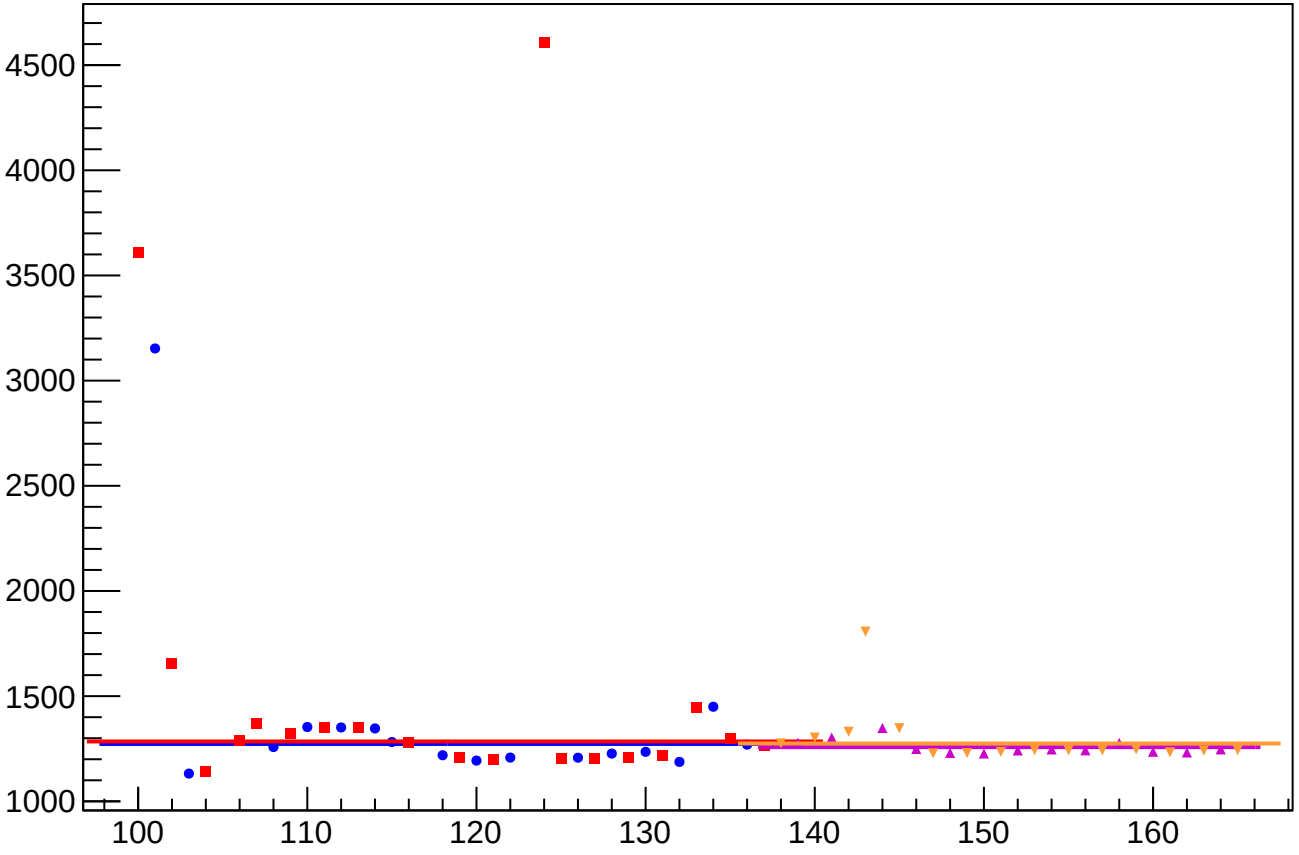
Left In: 0.410+/-379.805 χ^2/NDF:10.2/12

\+ sign 55.587+/-294.580 χ^2/NDF: 35.6/30

All: 113.246+/-209.554 χ^2/NDF: 63.3/62

\- sign 172.316+/-298.161 χ^2/NDF: 27.5/31

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: 1274.919+/-0.263 χ^2/NDF:163027.2/14

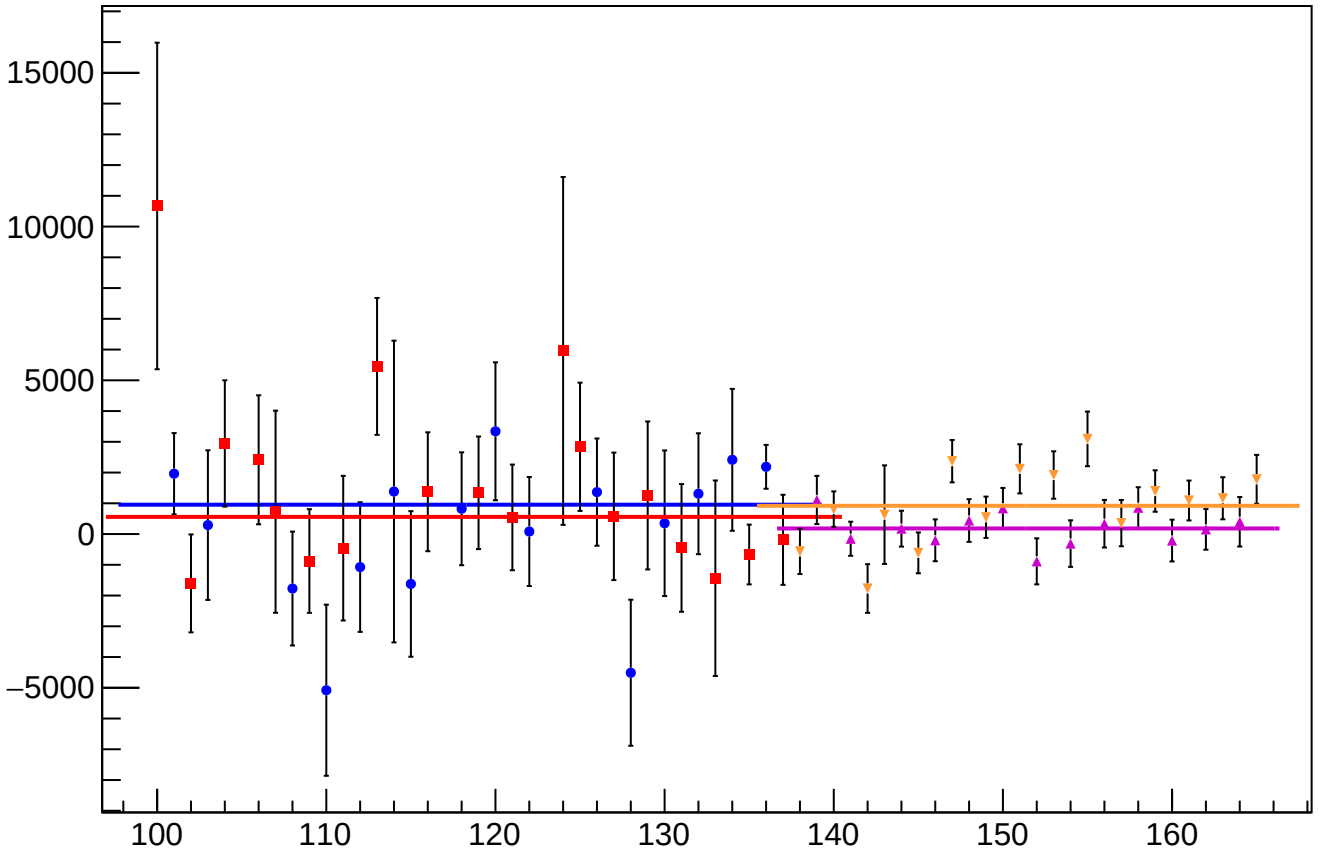
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1274.130+/-0.208 χ^2/NDF: 682350.8/30

All: 1271.087+/-0.148 χ^2/NDF: 1030632.2/62

- sign 1267.970+/-0.211 χ^2/NDF: 347849.2/31



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 918.688+/-188.962 χ^2/NDF:38.1/14

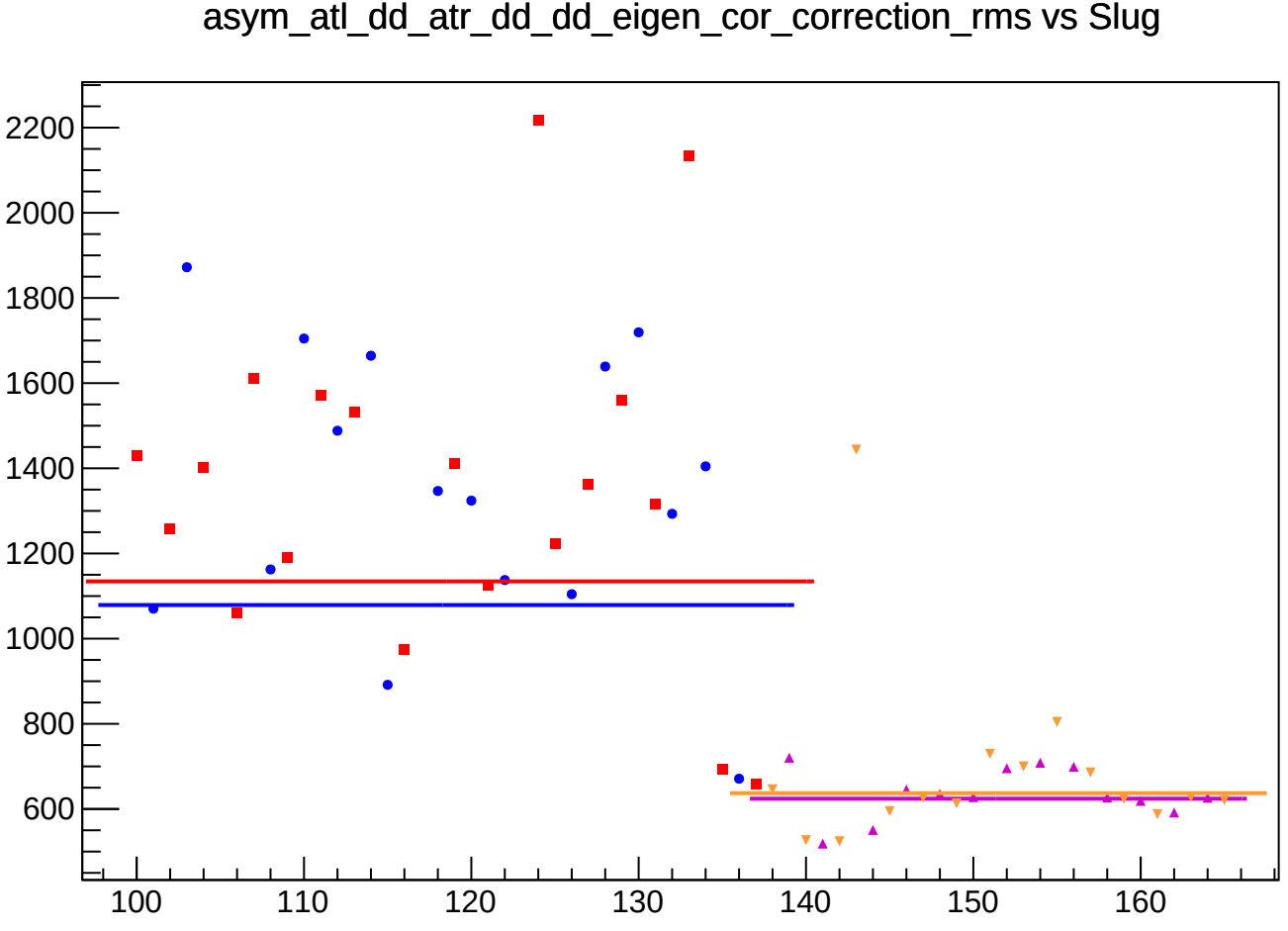
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.539+/-189.762 χ^2/NDF:7.1/12

\+ sign 924.525+/-172.708 χ^2/NDF: 58.0/30

All: 585.589+/-122.680 χ^2/NDF: 91.9/62

\- sign 240.398+/-174.295 χ^2/NDF: 26.1/31



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

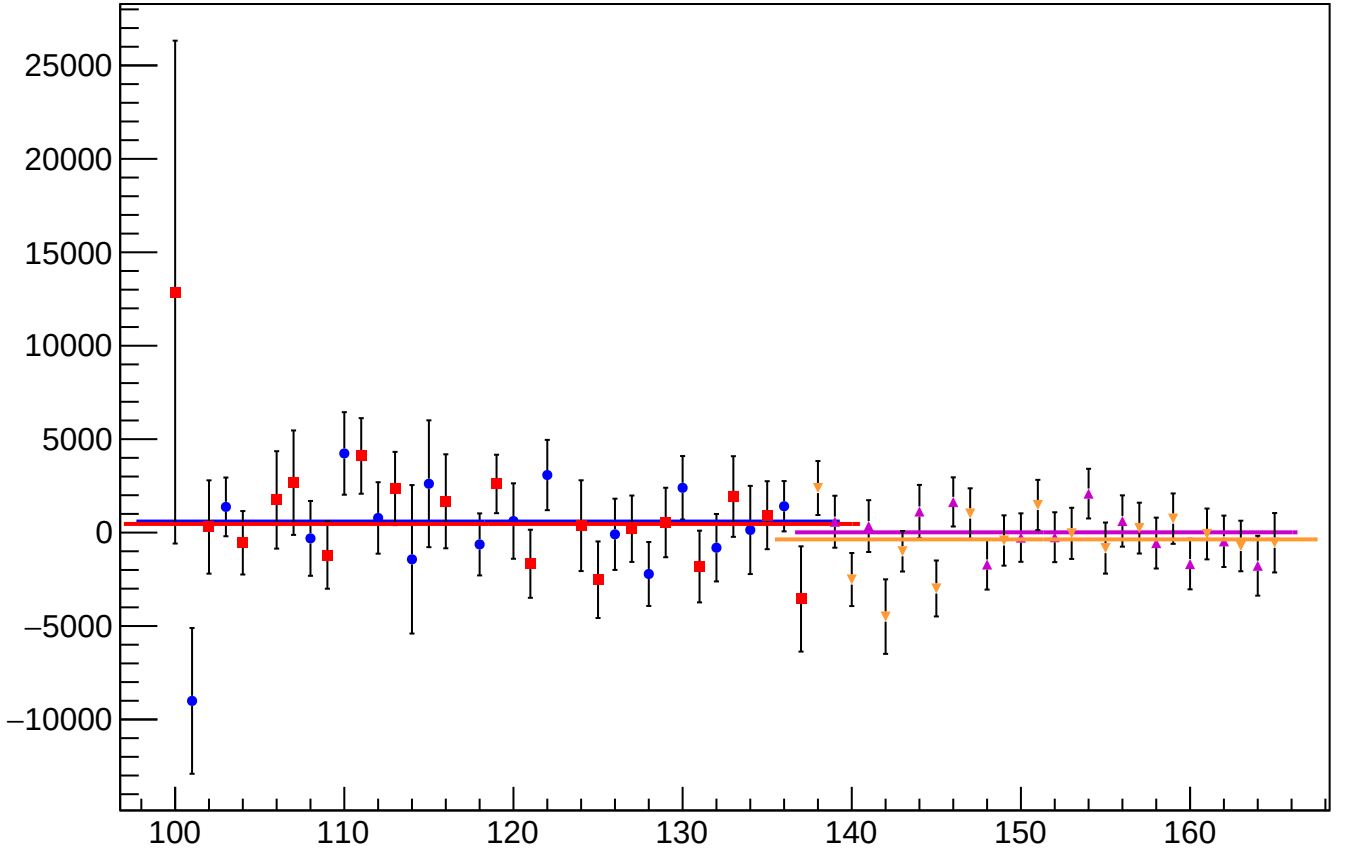
Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

+ sign 709.924+/-0.122 χ^2/NDF: 4042784.3/30

All: 706.979+/-0.087 χ^2/NDF: 7797543.9/62

- sign 703.980+/-0.123 χ^2/NDF: 3753585.9/31

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -364.044+/-357.625 χ^2/NDF:17.7/14

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

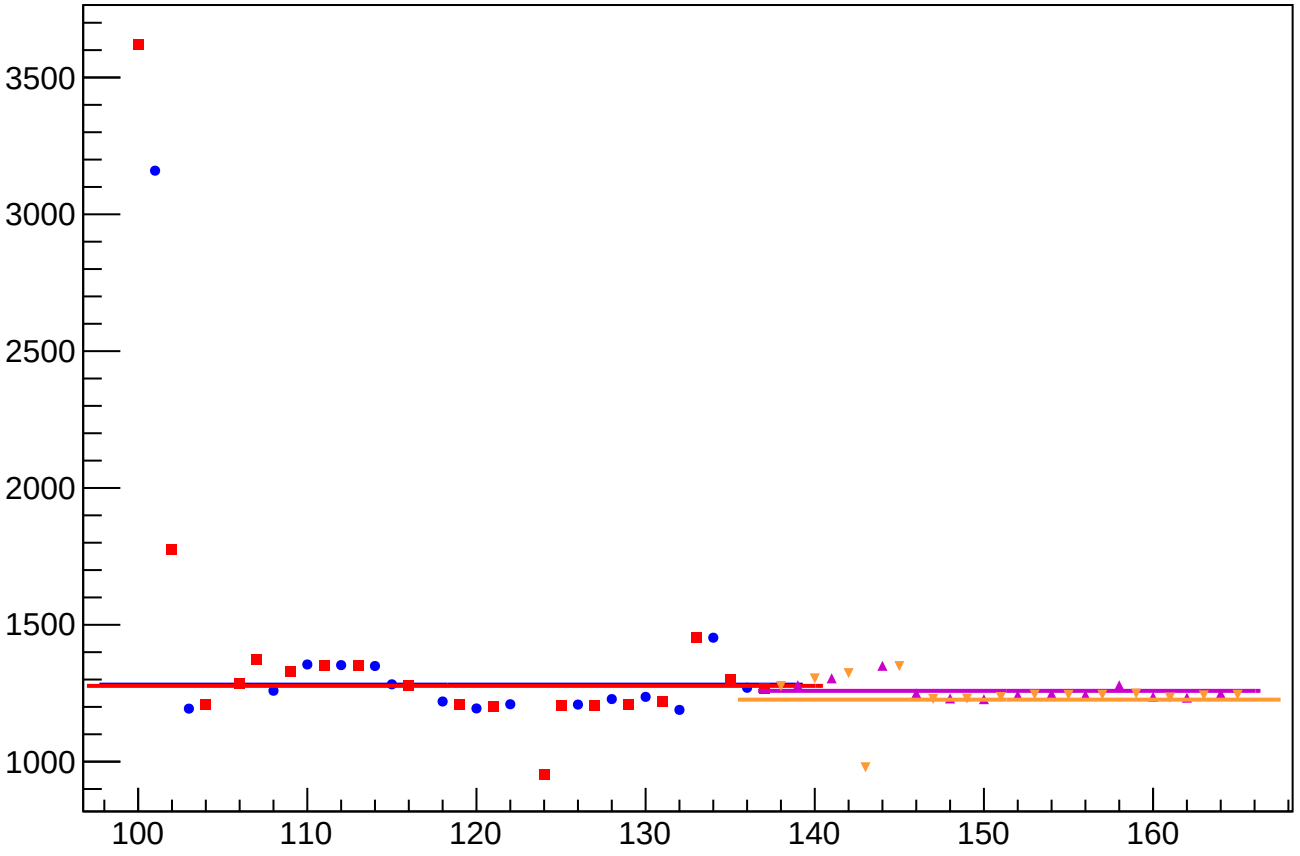
Left In: 13.991+/-380.144 χ^2/NDF:9.8/12

+ sign -28.337+/-287.936 χ^2/NDF: 37.3/30

All: 76.557+/-206.811 χ^2/NDF: 64.7/62

- sign 188.336+/-297.235 χ^2/NDF: 27.1/31

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.474+/-0.253 χ^2/NDF:132723.8/14

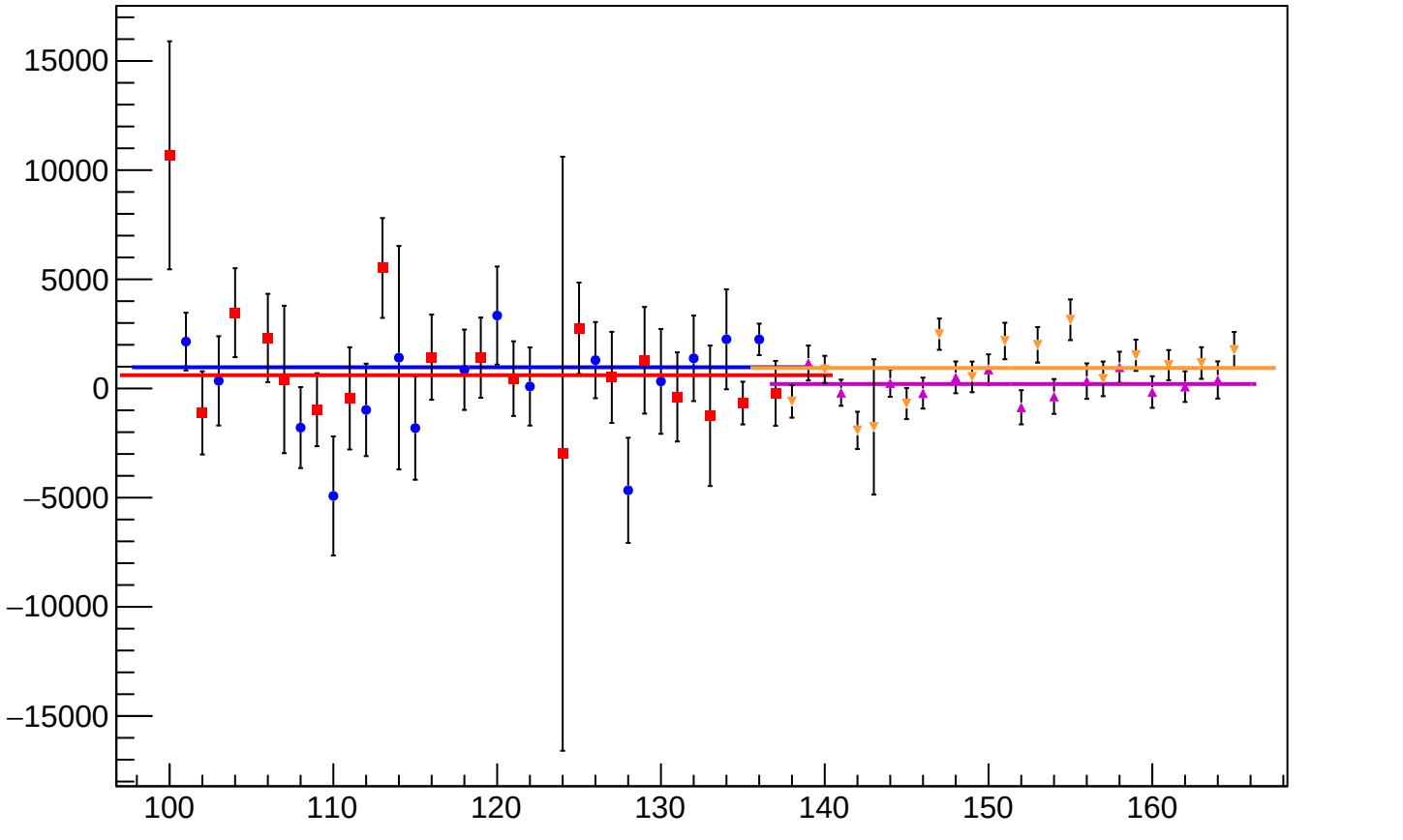
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.0/12

+ sign 1245.784+/-0.204 χ^2/NDF: 656378.6/30

All: 1255.453+/-0.146 χ^2/NDF: 898622.2/62

- sign 1265.757+/-0.210 χ^2/NDF: 237584.8/31



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 939.024+/-200.322 χ^2/NDF:38.1/14

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

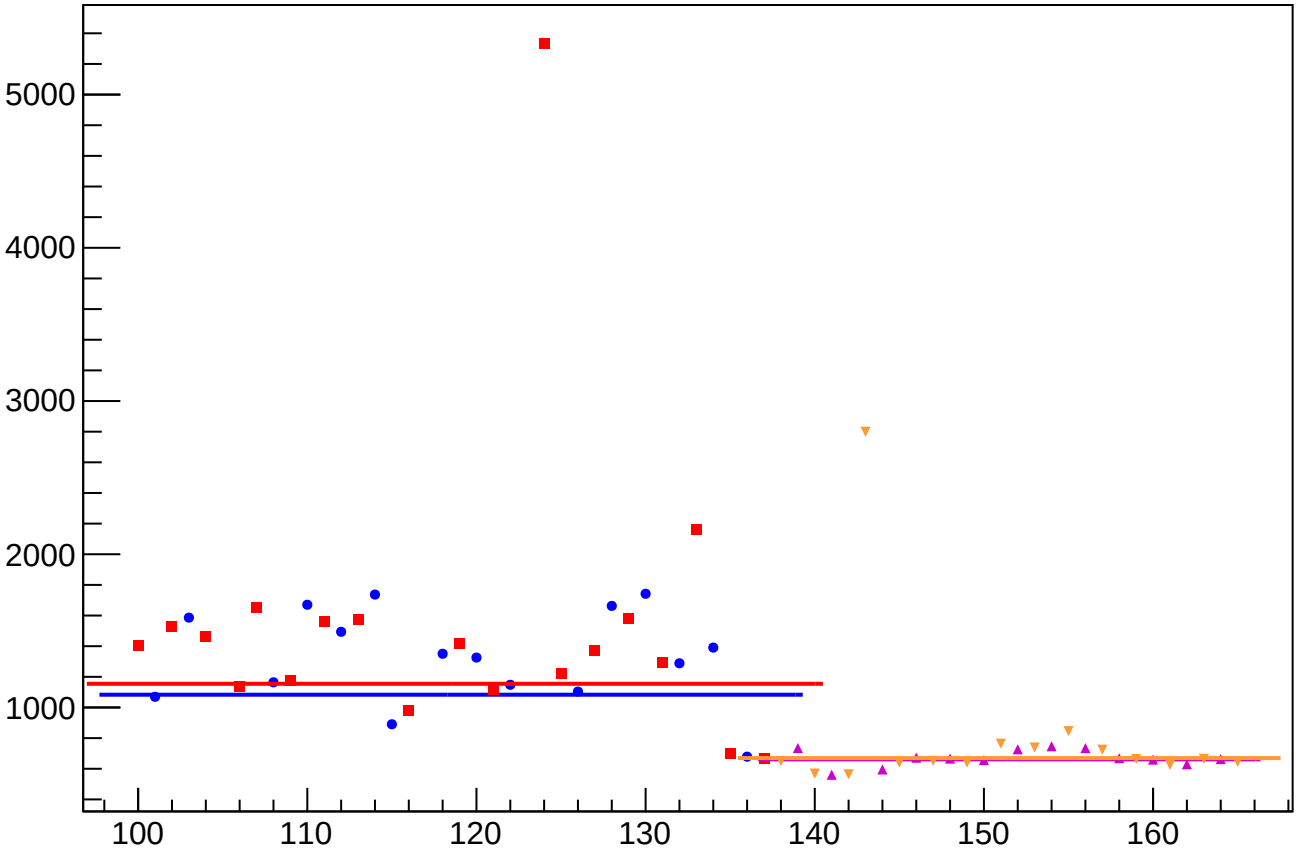
Left In: 205.452+/-200.714 χ^2/NDF:7.2/12

+ sign 945.065+/-181.219 χ^2/NDF: 58.6/30

All: 612.541+/-128.819 χ^2/NDF: 90.4/62

- sign 272.885+/-183.152 χ^2/NDF: 25.0/31

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: 669.829+/-0.142 χ^2/NDF:1168568.4/14

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

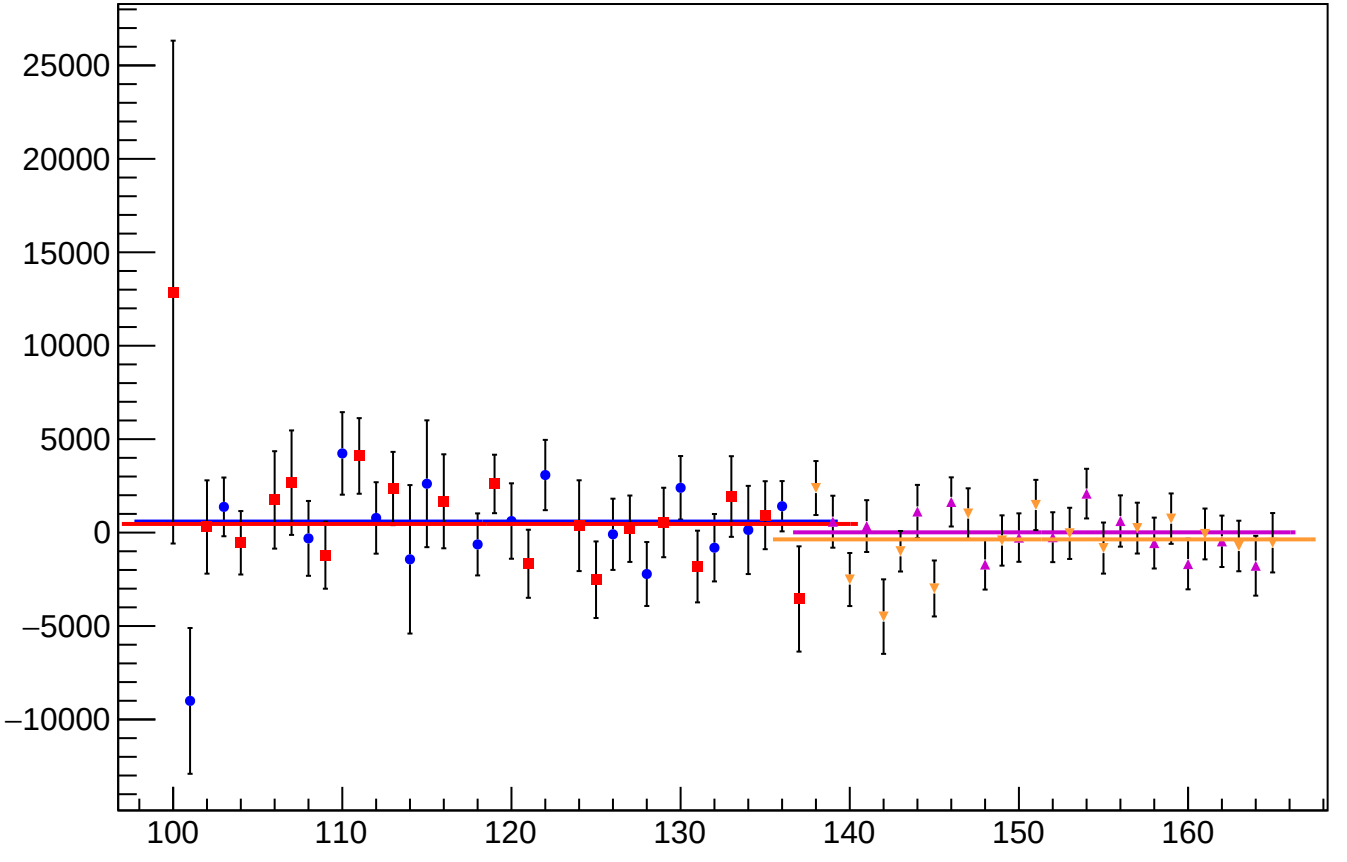
Left In: 661.146+/-0.142 χ^2/NDF:153497.5/12

+ sign 744.933+/-0.128 χ^2/NDF: 4076538.2/30

All: 744.342+/-0.091 χ^2/NDF: 7742208.0/62

- sign 743.738+/-0.130 χ^2/NDF: 3665626.8/31

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: -364.046+/-357.625 χ^2/NDF:17.7/14

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

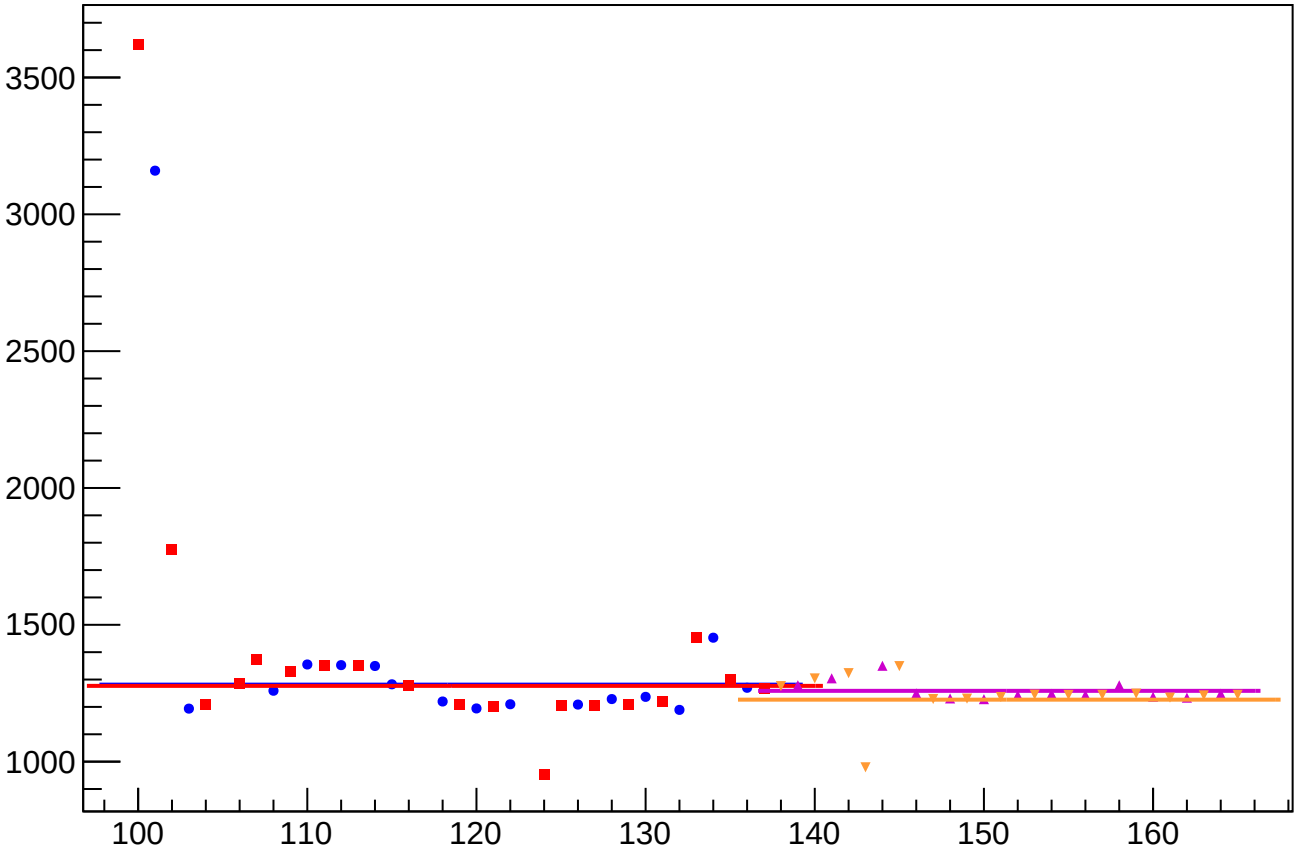
Left In: 13.990+/-380.144 χ^2/NDF:9.8/12

+ sign -28.338+/-287.936 χ^2/NDF: 37.3/30

All: 76.556+/-206.811 χ^2/NDF: 64.7/62

- sign 188.335+/-297.235 χ^2/NDF: 27.1/31

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: 1226.474+/-0.253 χ^2/NDF:132723.1/14

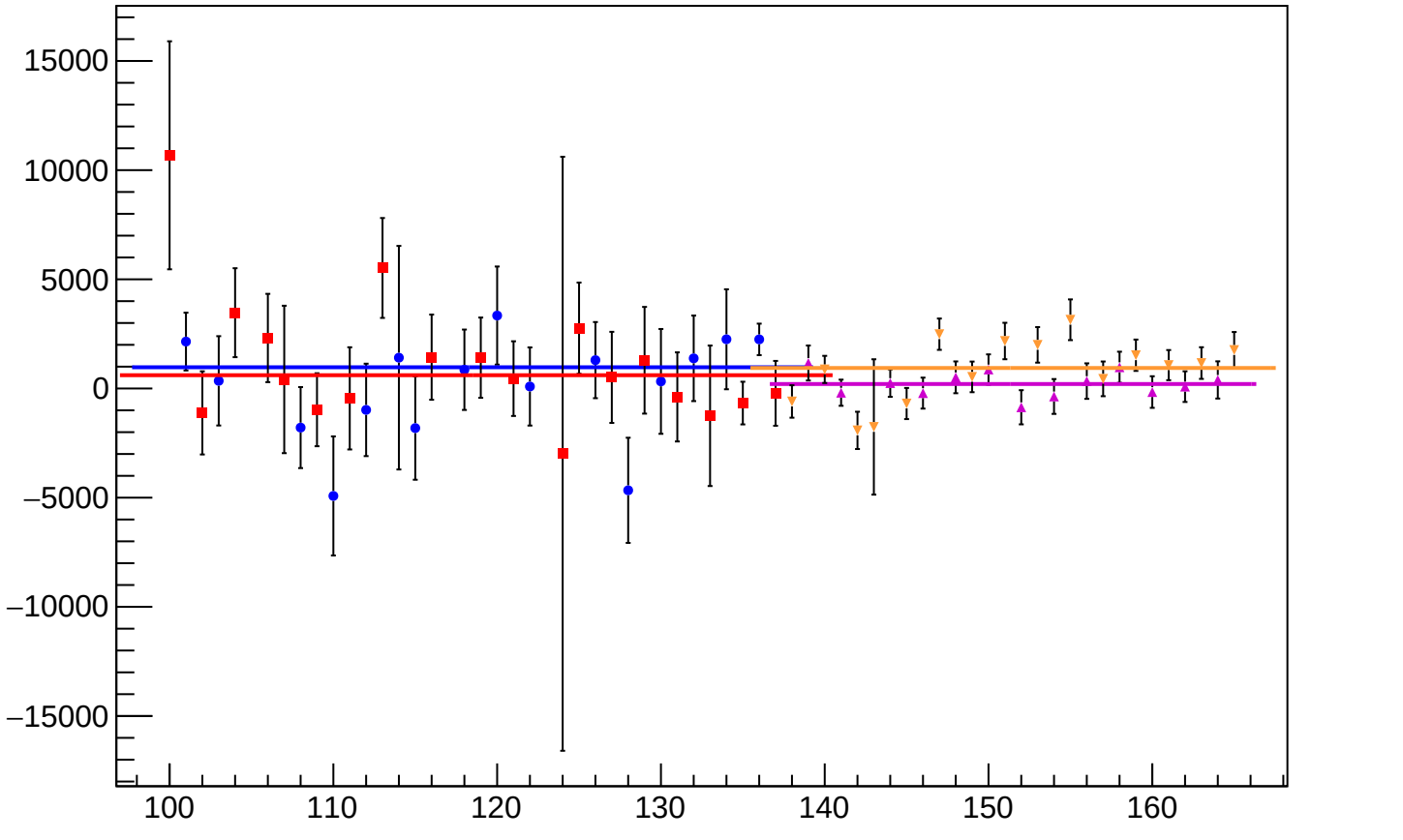
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.1/12

+ sign 1245.784+/-0.204 χ^2/NDF: 656377.8/30

All: 1255.453+/-0.146 χ^2/NDF: 898621.3/62

- sign 1265.757+/-0.210 χ^2/NDF: 237584.7/31



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 939.026+/-200.322 χ^2/NDF:38.1/14

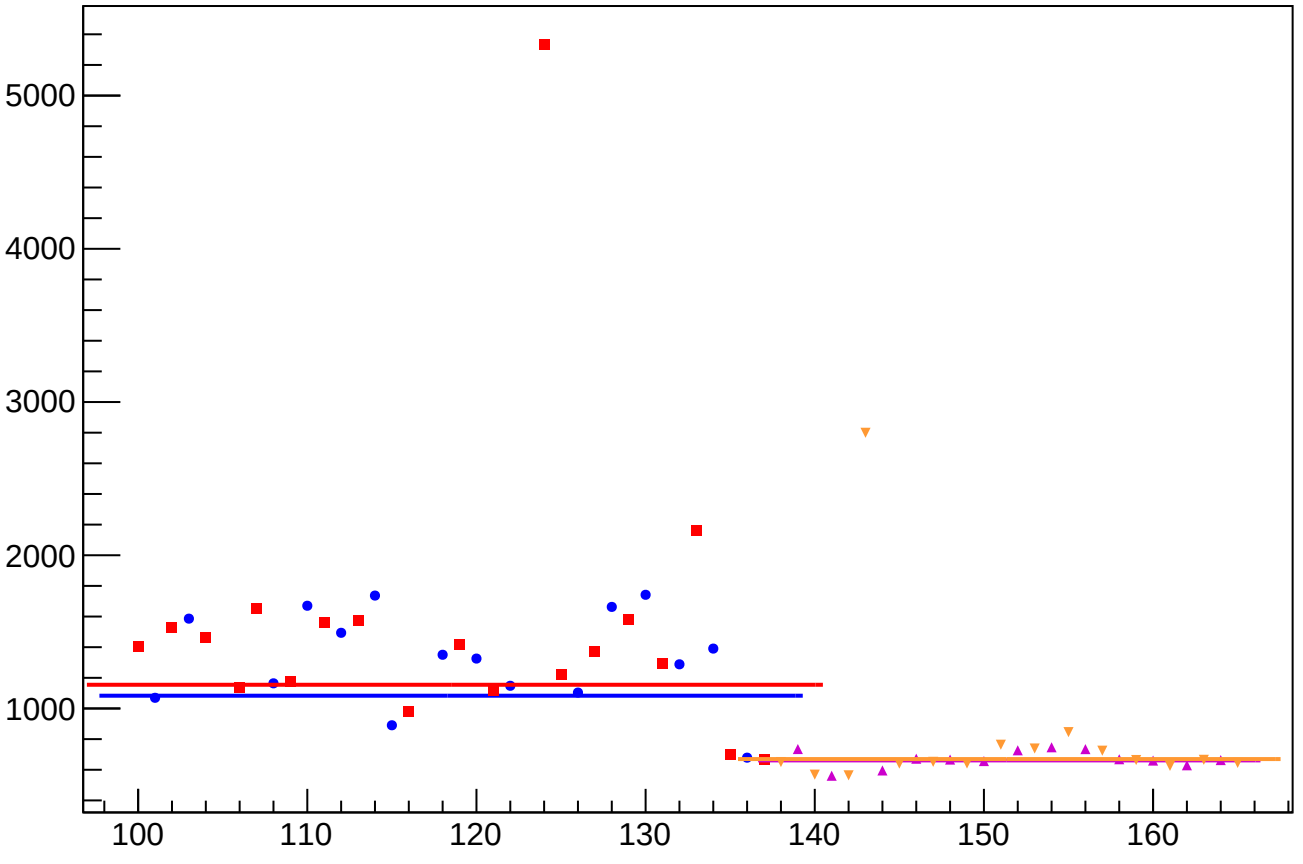
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 205.451+/-200.714 χ^2/NDF:7.2/12

+ sign 945.066+/-181.219 χ^2/NDF: 58.6/30

All: 612.541+/-128.819 χ^2/NDF: 90.4/62

- sign 272.884+/-183.152 χ^2/NDF: 25.0/31



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 669.829+/-0.142 χ^2/NDF:1168562.7/14

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

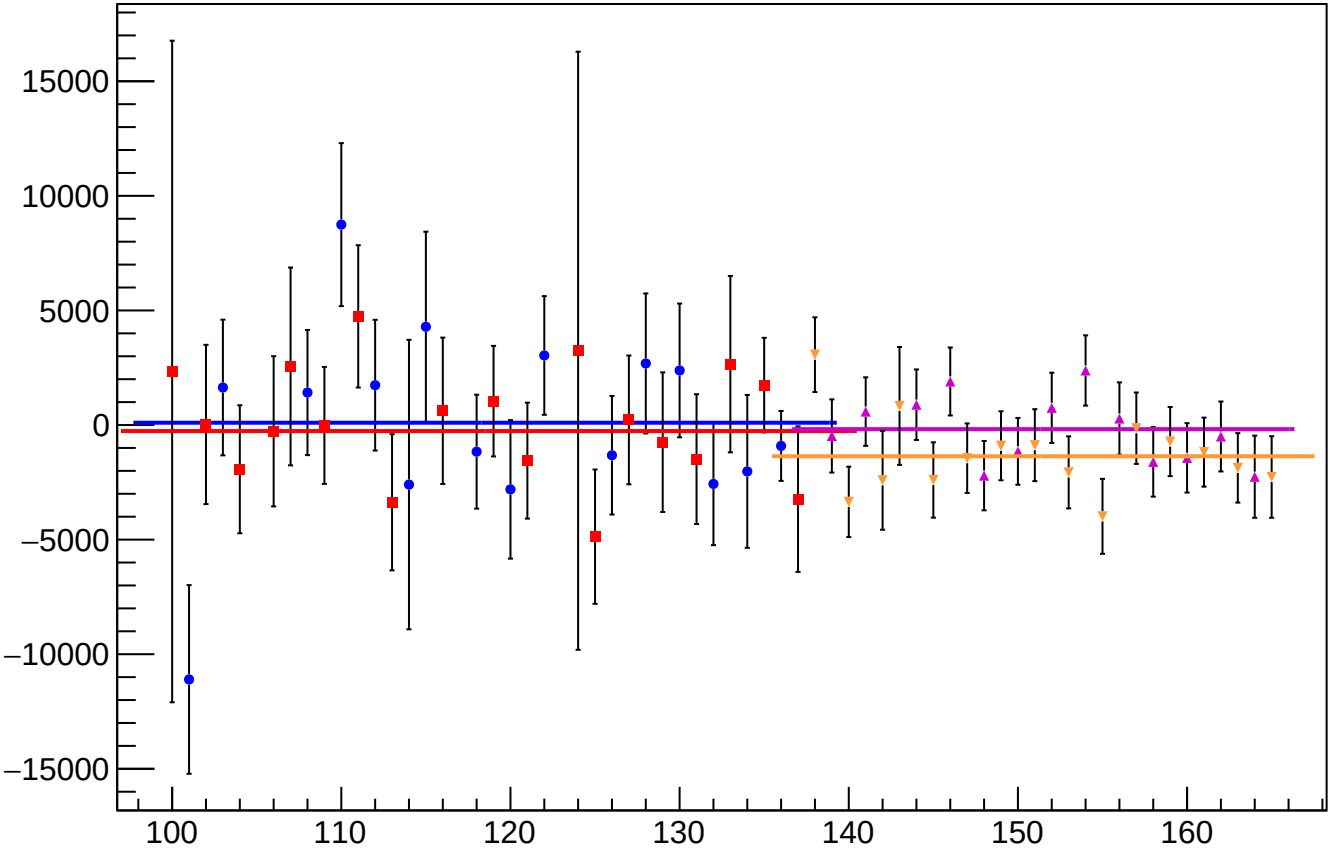
Left In: 661.145+/-0.142 χ^2/NDF:153501.2/12

+ sign 744.934+/-0.128 χ^2/NDF: 4076509.5/30

All: 744.343+/-0.091 χ^2/NDF: 7742180.0/62

- sign 743.739+/-0.130 χ^2/NDF: 3665627.4/31

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1362.253+/-421.036 χ^2/NDF:14.6/14

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

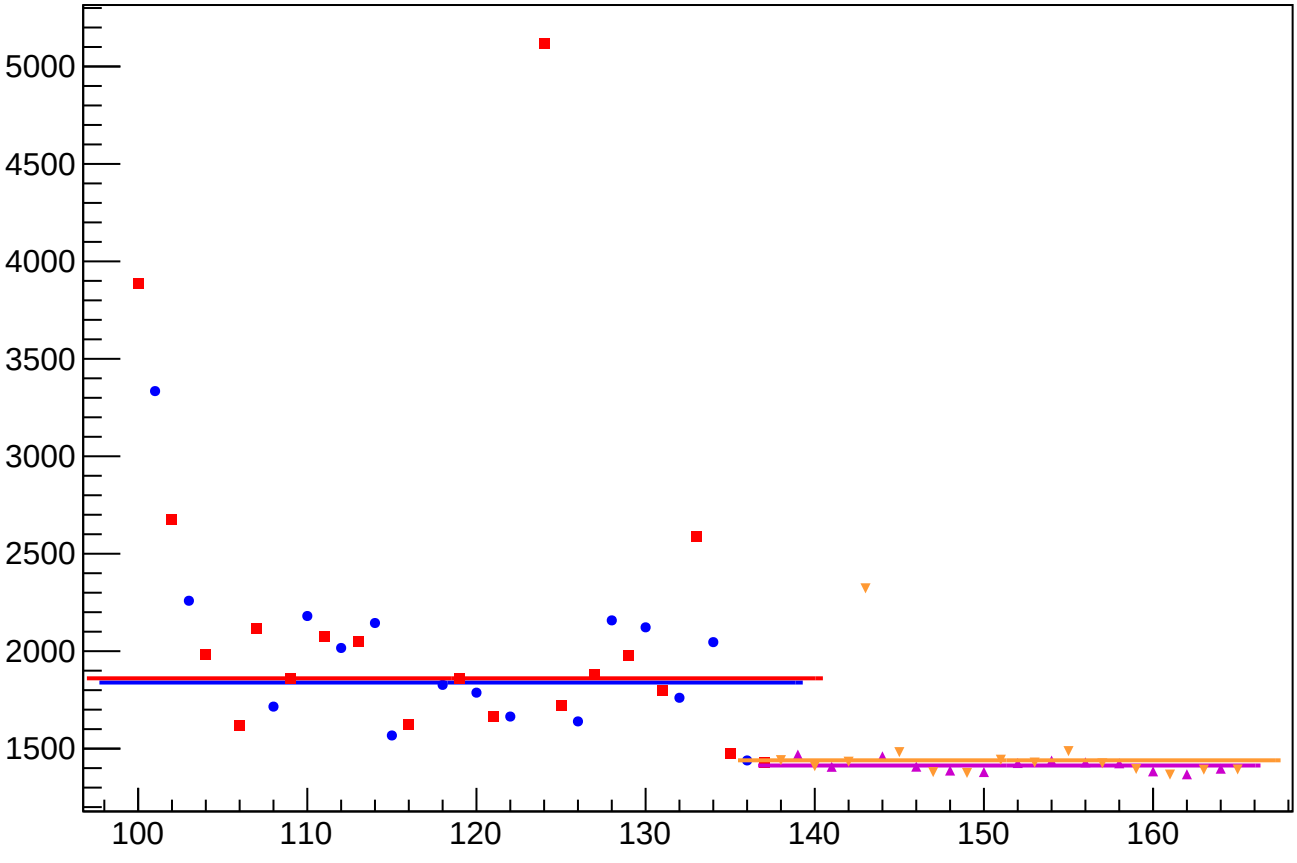
Left In: -179.186+/-426.841 χ^2/NDF:11.2/12

+ sign -972.831+/-360.660 χ^2/NDF: 39.1/30

All: -591.307+/-256.335 χ^2/NDF: 62.9/62

- sign -201.843+/-364.393 χ^2/NDF: 21.5/31

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1440.014+/-0.298 χ^2/NDF:256201.7/14

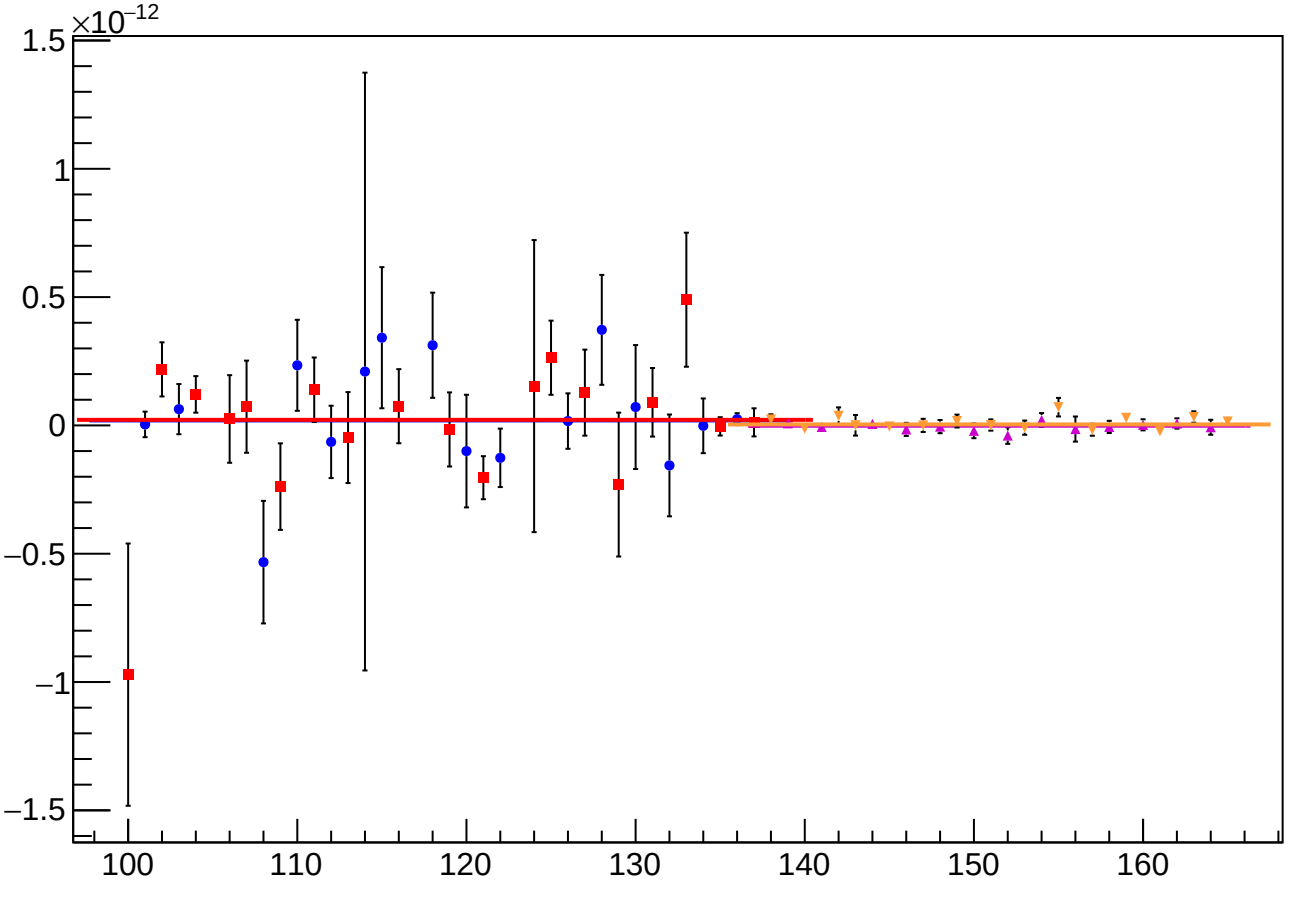
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1413.371+/-0.302 χ^2/NDF:9718.3/12

+ sign 1546.268+/-0.255 χ^2/NDF: 1291355.4/30

All: 1540.545+/-0.181 χ^2/NDF: 2420075.2/62

- sign 1534.703+/-0.258 χ^2/NDF: 1127702.1/31



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/14

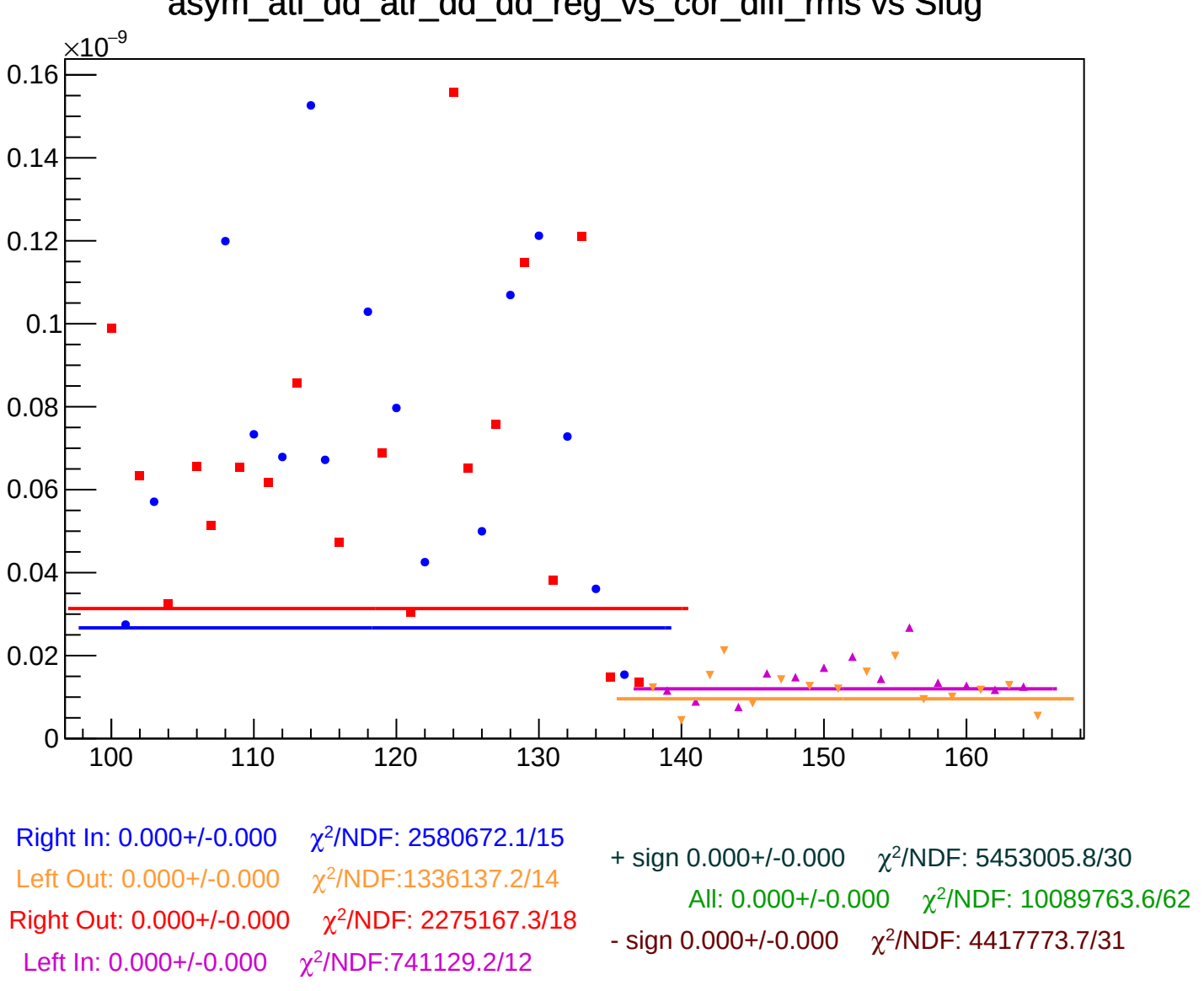
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

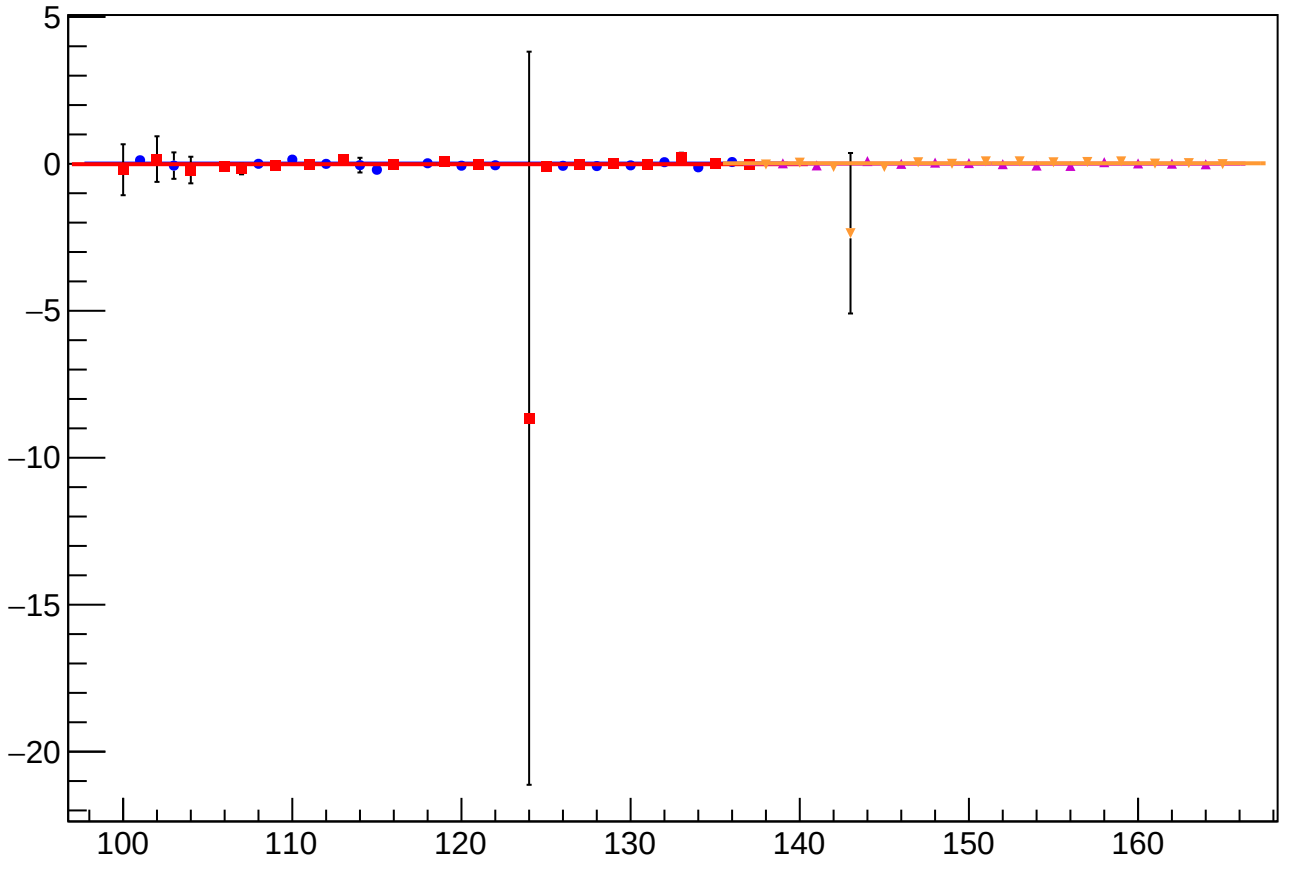
Left In: -0.000+/-0.000 χ^2/NDF:3.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/30

All: 0.000+/-0.000 χ^2/NDF: 65.8/62

- sign 0.000+/-0.000 χ^2/NDF: 33.1/31


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1336137.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:741129.2/12
+ sign 0.000+/-0.000 χ²/NDF: 5453005.8/30
All: 0.000+/-0.000 χ²/NDF: 10089763.6/62
- sign 0.000+/-0.000 χ²/NDF: 4417773.7/31



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

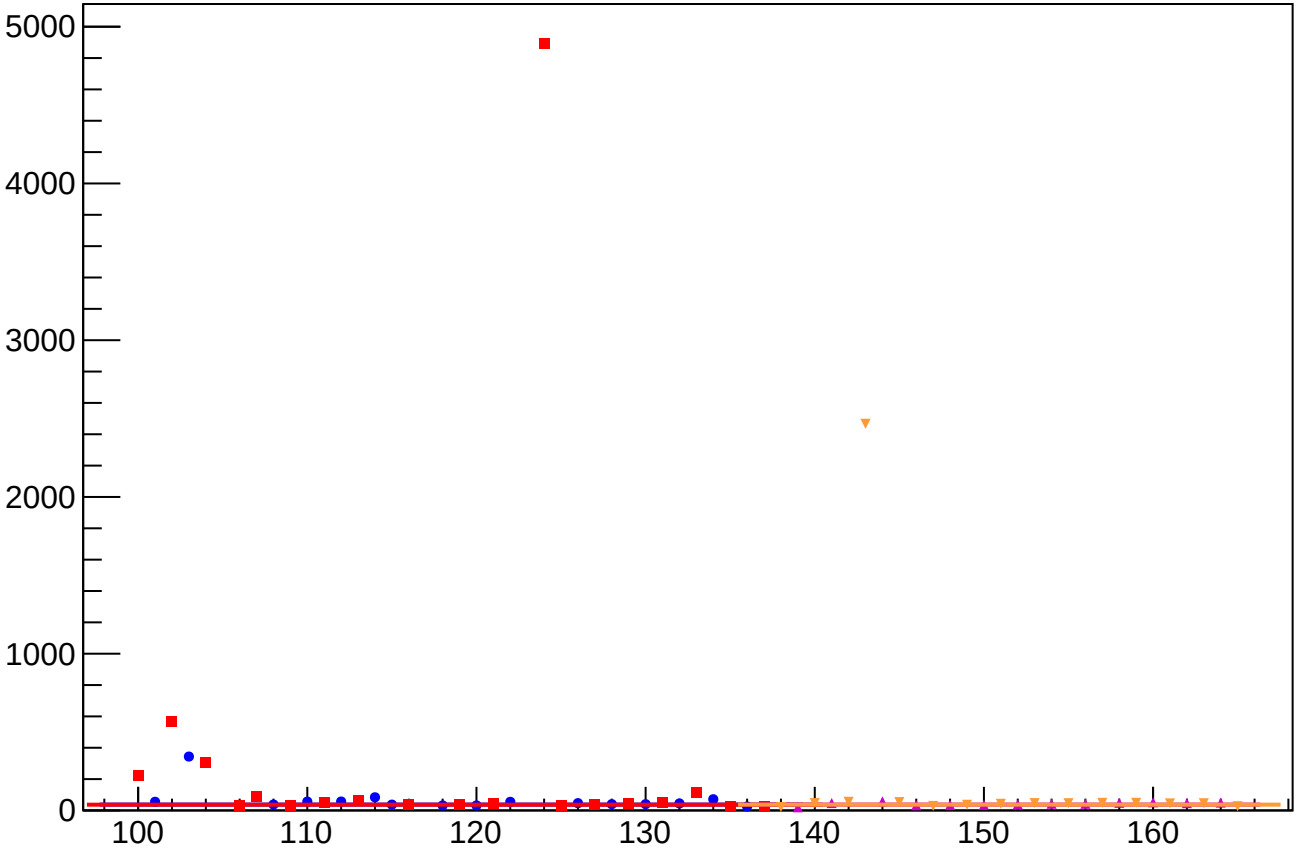
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.015+/-0.010 χ^2/NDF: 36.5/30

All: 0.007+/-0.007 χ^2/NDF: 60.8/62

- sign -0.001+/-0.010 χ^2/NDF: 23.1/31

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.126+/-0.009 χ^2/NDF:3113195.2/14

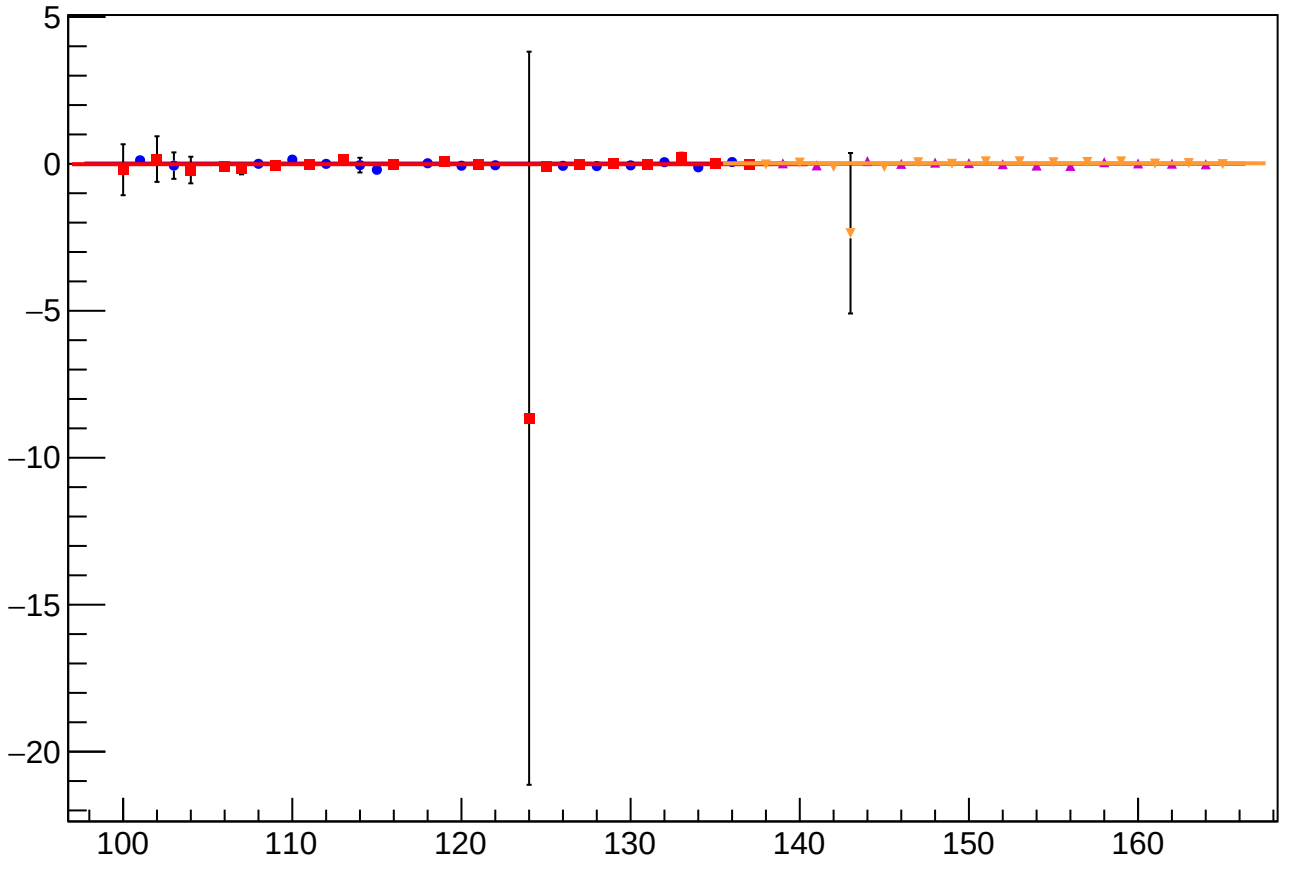
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

\+ sign 37.262+/-0.007 χ^2/NDF: 5097132.3/30

All: 37.220+/-0.005 χ^2/NDF: 9774850.9/62

\- sign 37.176+/-0.007 χ^2/NDF: 4677643.2/31



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

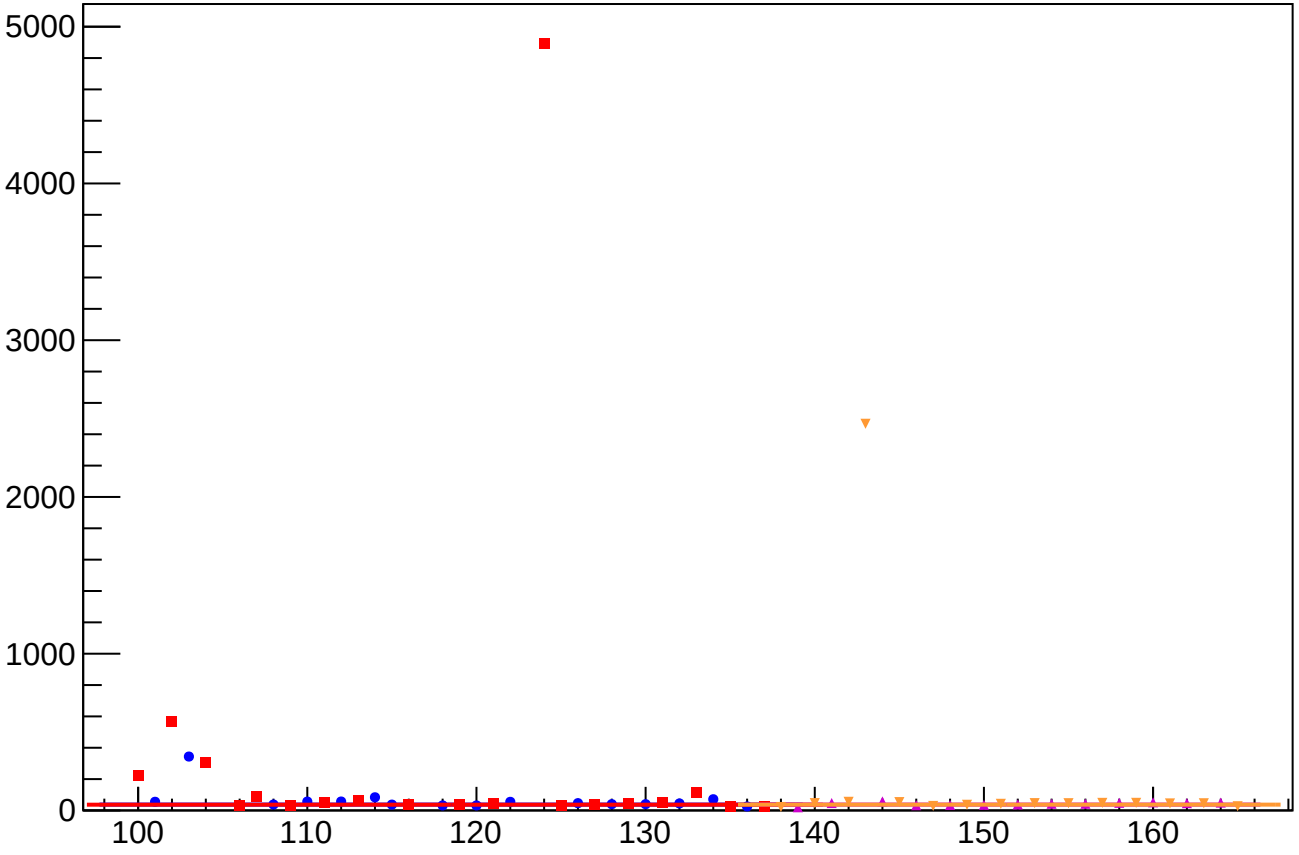
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.015+/-0.010 χ^2/NDF: 36.5/30

All: 0.007+/-0.007 χ^2/NDF: 60.8/62

- sign -0.001+/-0.010 χ^2/NDF: 23.1/31

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.126+/-0.009 χ^2/NDF:3113195.2/14

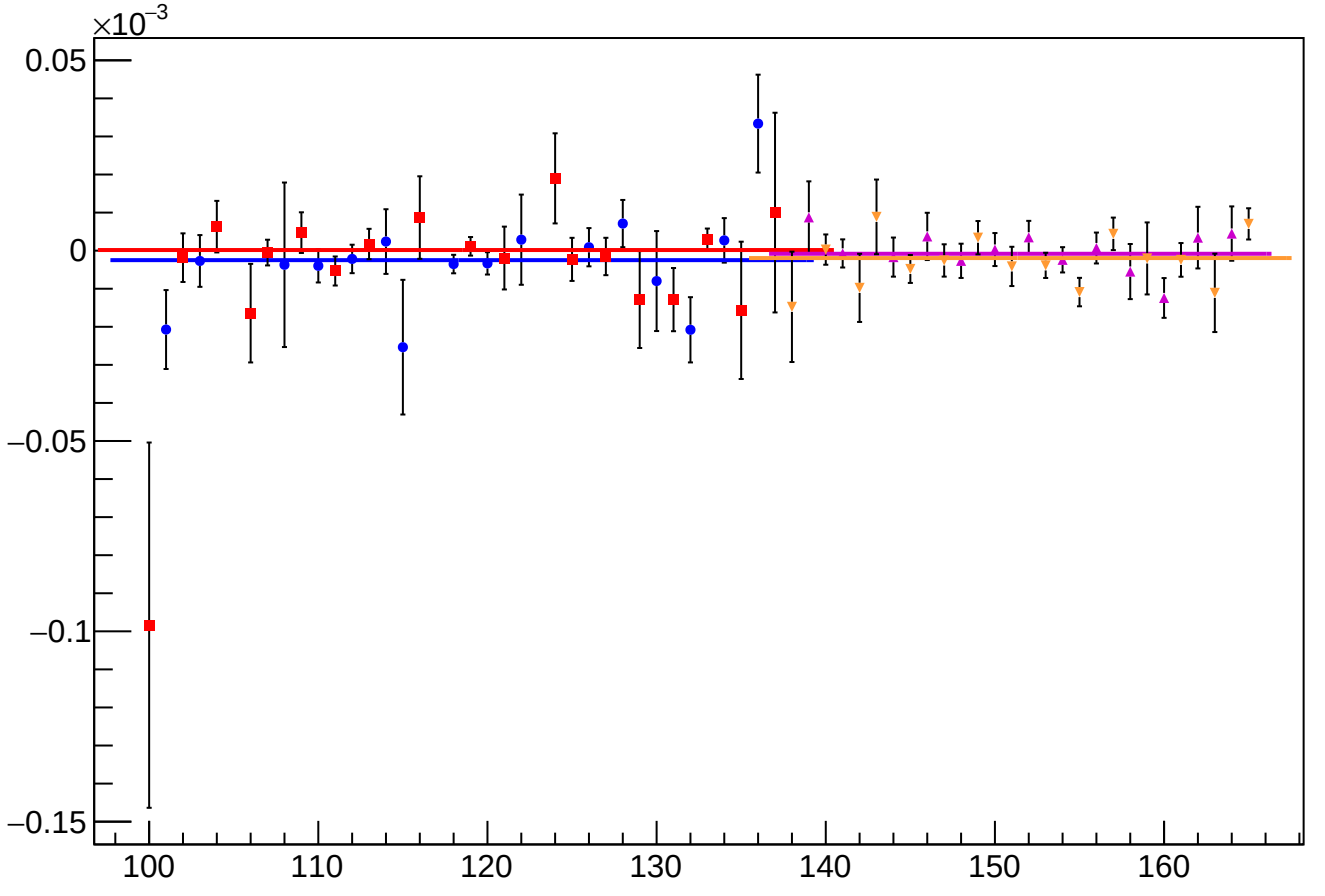
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

+ sign 37.262+/-0.007 χ^2/NDF: 5097132.3/30

All: 37.220+/-0.005 χ^2/NDF: 9774850.9/62

- sign 37.176+/-0.007 χ^2/NDF: 4677643.2/31



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/14

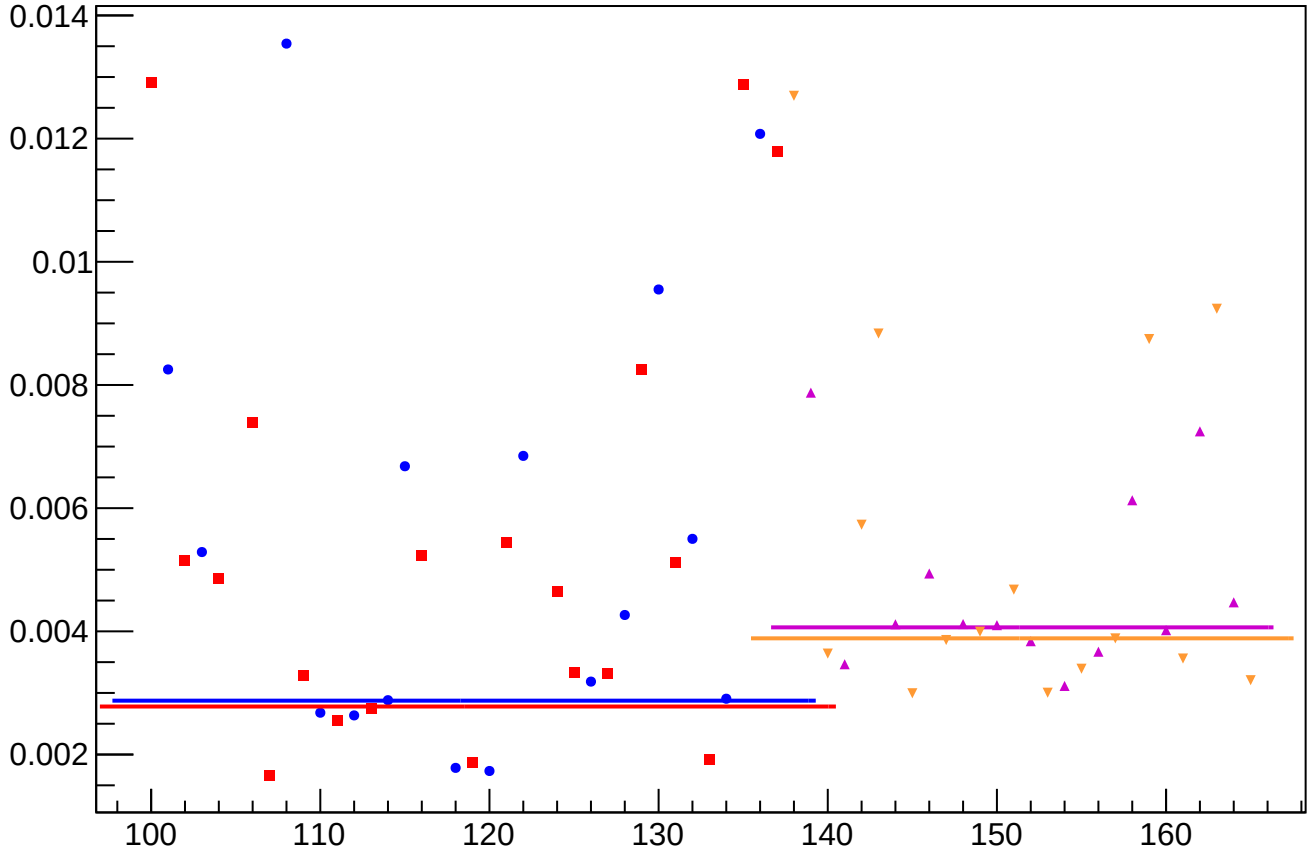
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/30

All: -0.000+/-0.000 χ^2/NDF: 72.1/62

- sign -0.000+/-0.000 χ^2/NDF: 28.5/31



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2818229.1/14

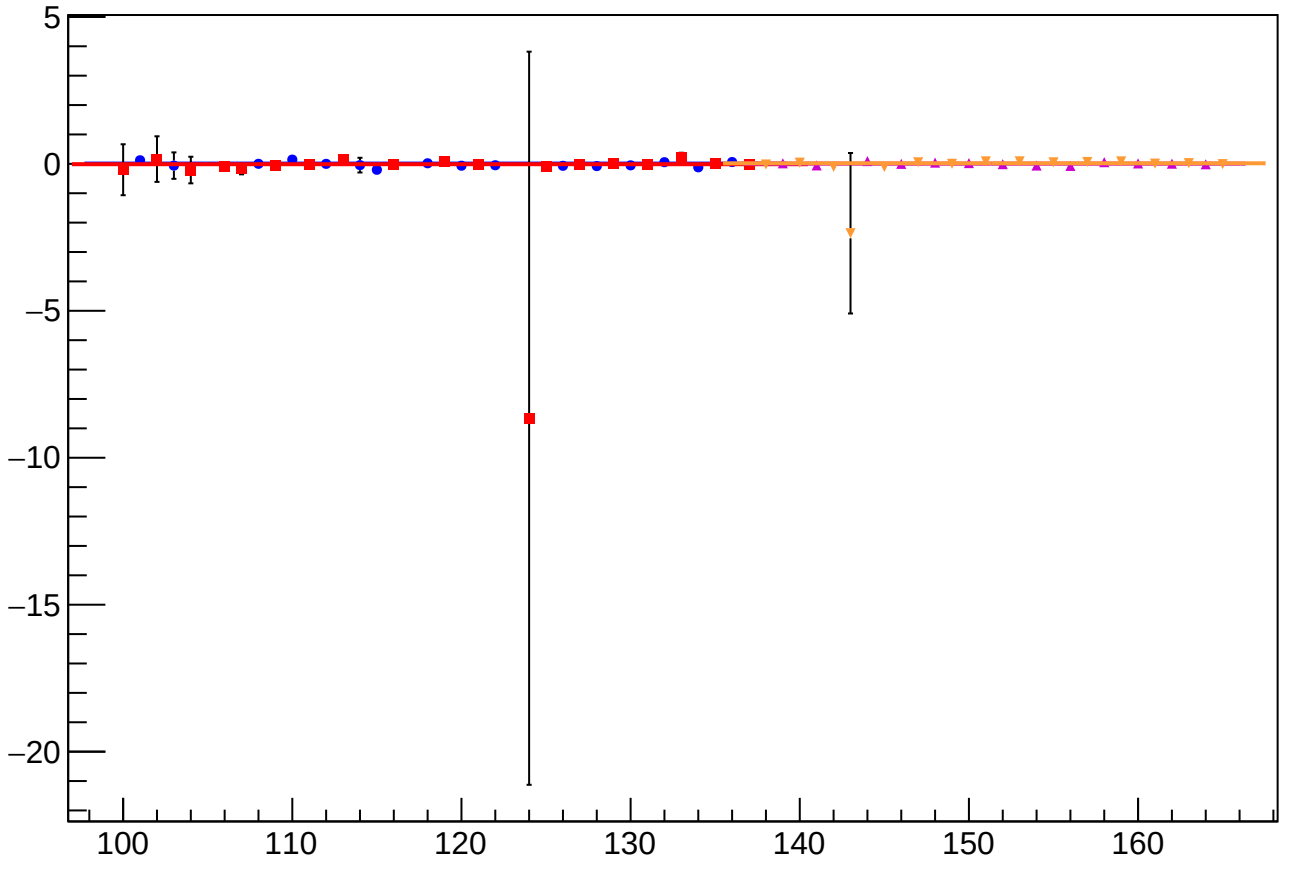
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1084023.3/12

+ sign 0.003+/-0.000 χ^2/NDF: 7606402.0/30

All: 0.003+/-0.000 χ^2/NDF: 13039568.6/62

- sign 0.003+/-0.000 χ^2/NDF: 5425398.0/31



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

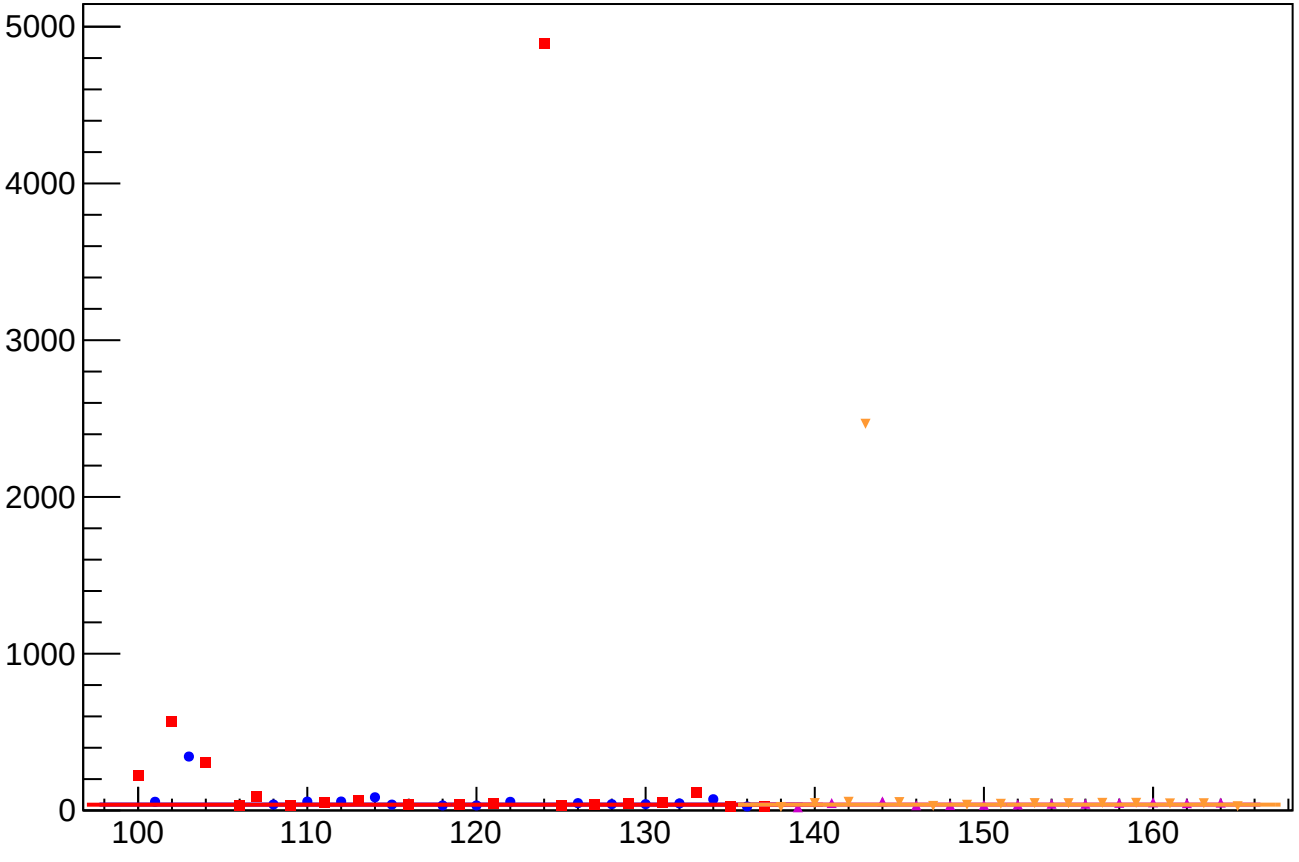
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.015+/-0.010 χ^2/NDF: 36.5/30

All: 0.007+/-0.007 χ^2/NDF: 60.8/62

- sign -0.001+/-0.010 χ^2/NDF: 23.1/31

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.124+/-0.009 χ^2/NDF:3113648.5/14

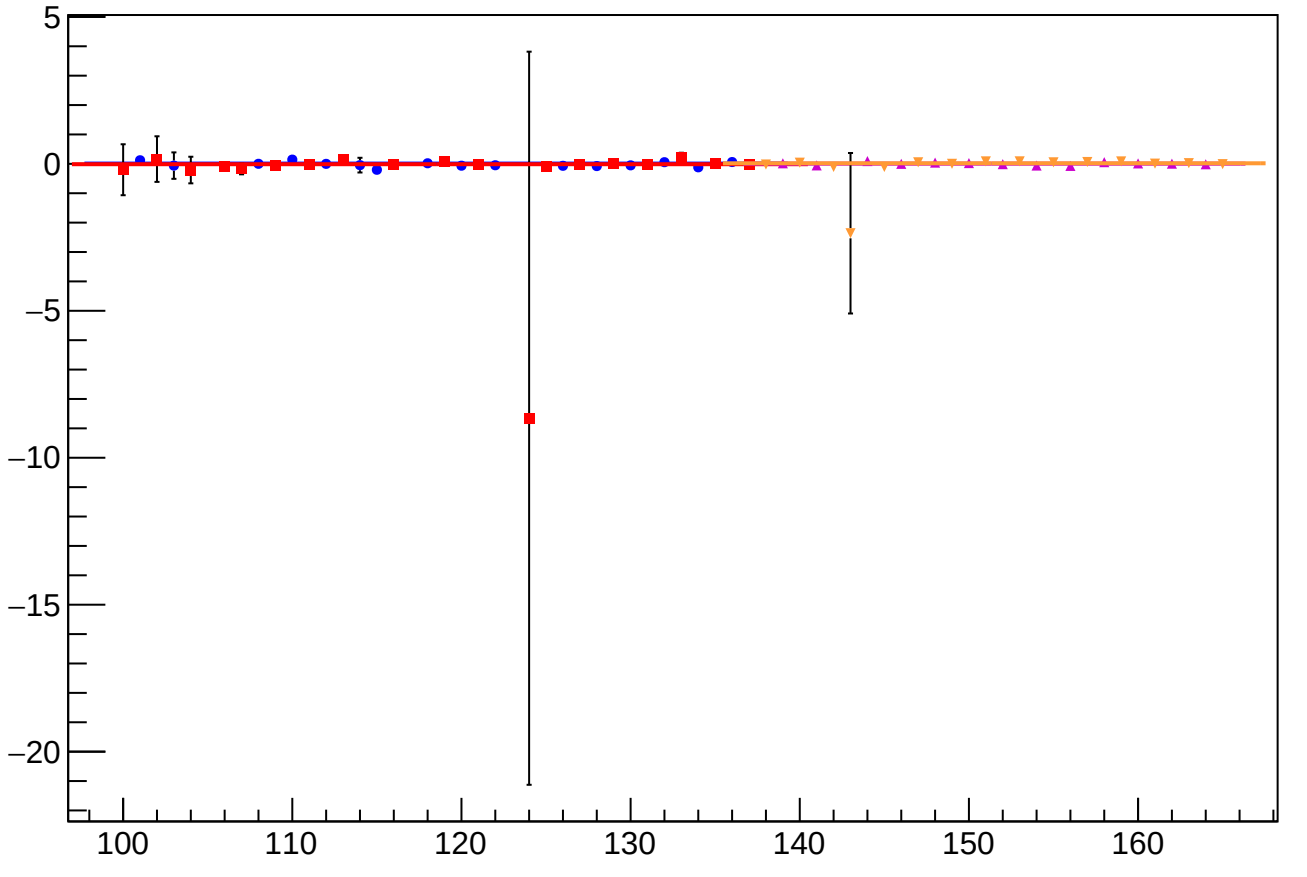
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

+ sign 37.261+/-0.007 χ^2/NDF: 5097526.8/30

All: 37.220+/-0.005 χ^2/NDF: 9773692.7/62

- sign 37.179+/-0.007 χ^2/NDF: 4676096.9/31



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

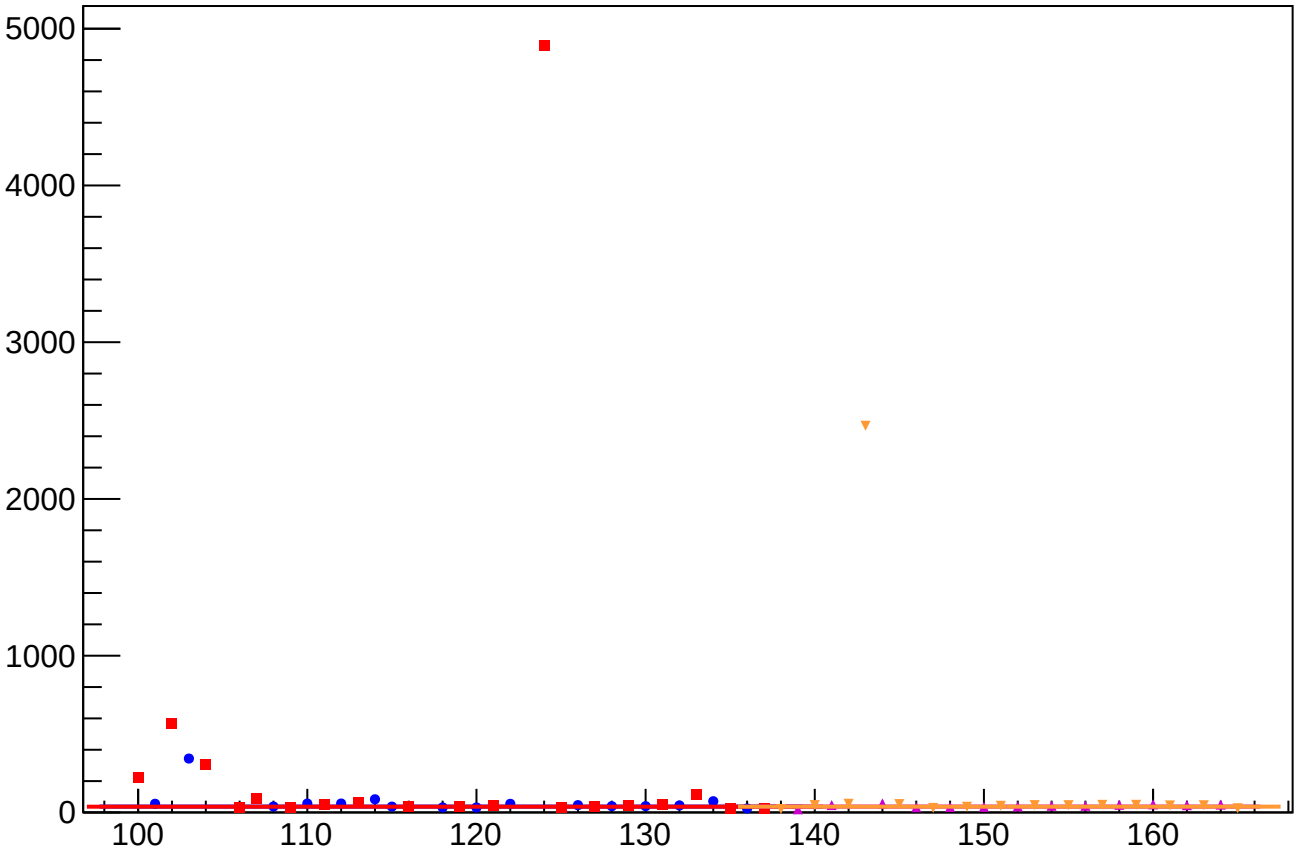
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.015+/-0.010 χ^2/NDF: 36.5/30

All: 0.007+/-0.007 χ^2/NDF: 60.8/62

- sign -0.001+/-0.010 χ^2/NDF: 23.1/31



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.124+/-0.009 χ^2/NDF:3113648.5/14

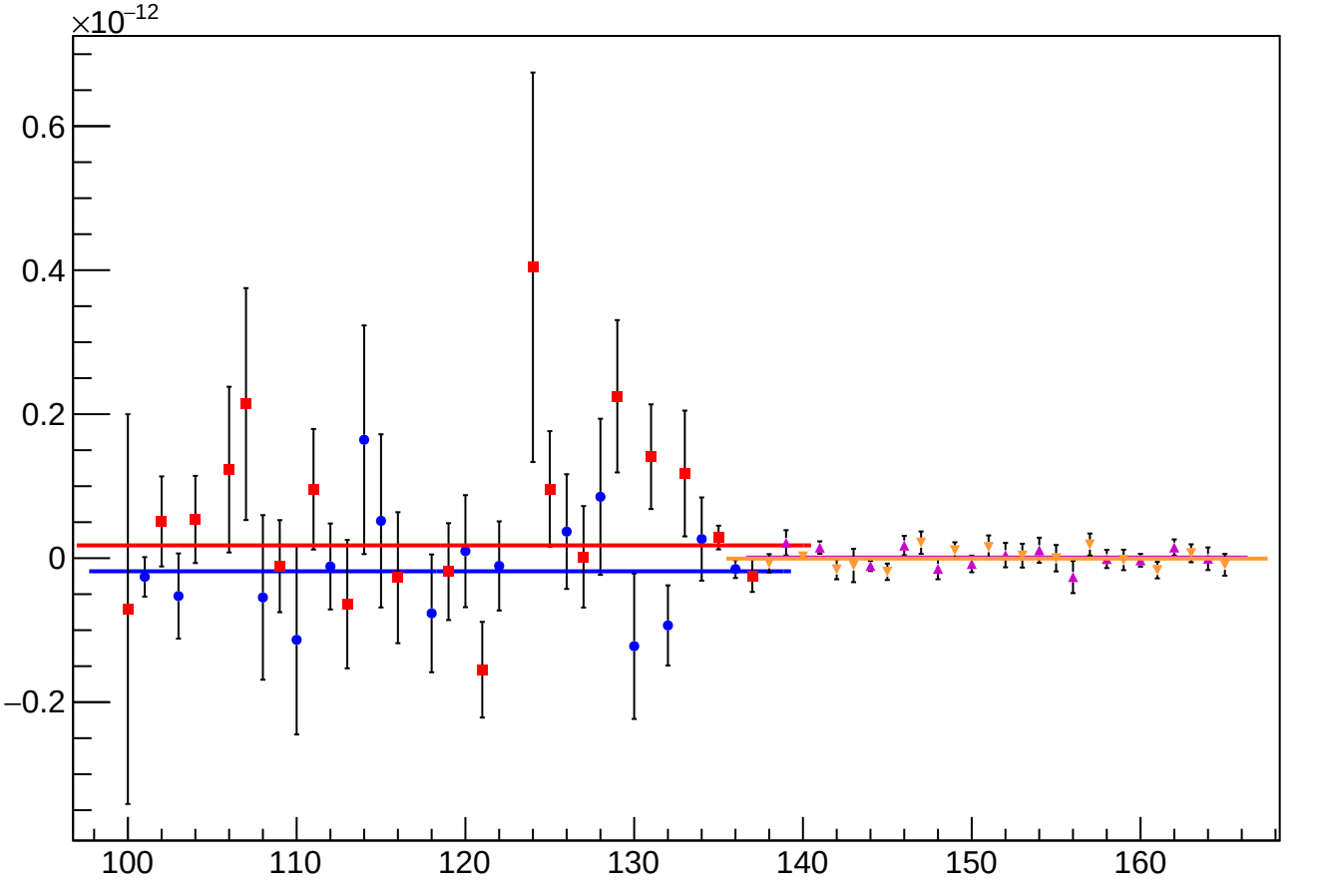
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

\+ sign 37.261+/-0.007 χ^2/NDF: 5097526.8/30

All: 37.220+/-0.005 χ^2/NDF: 9773692.7/62

\- sign 37.179+/-0.007 χ^2/NDF: 4676096.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/14

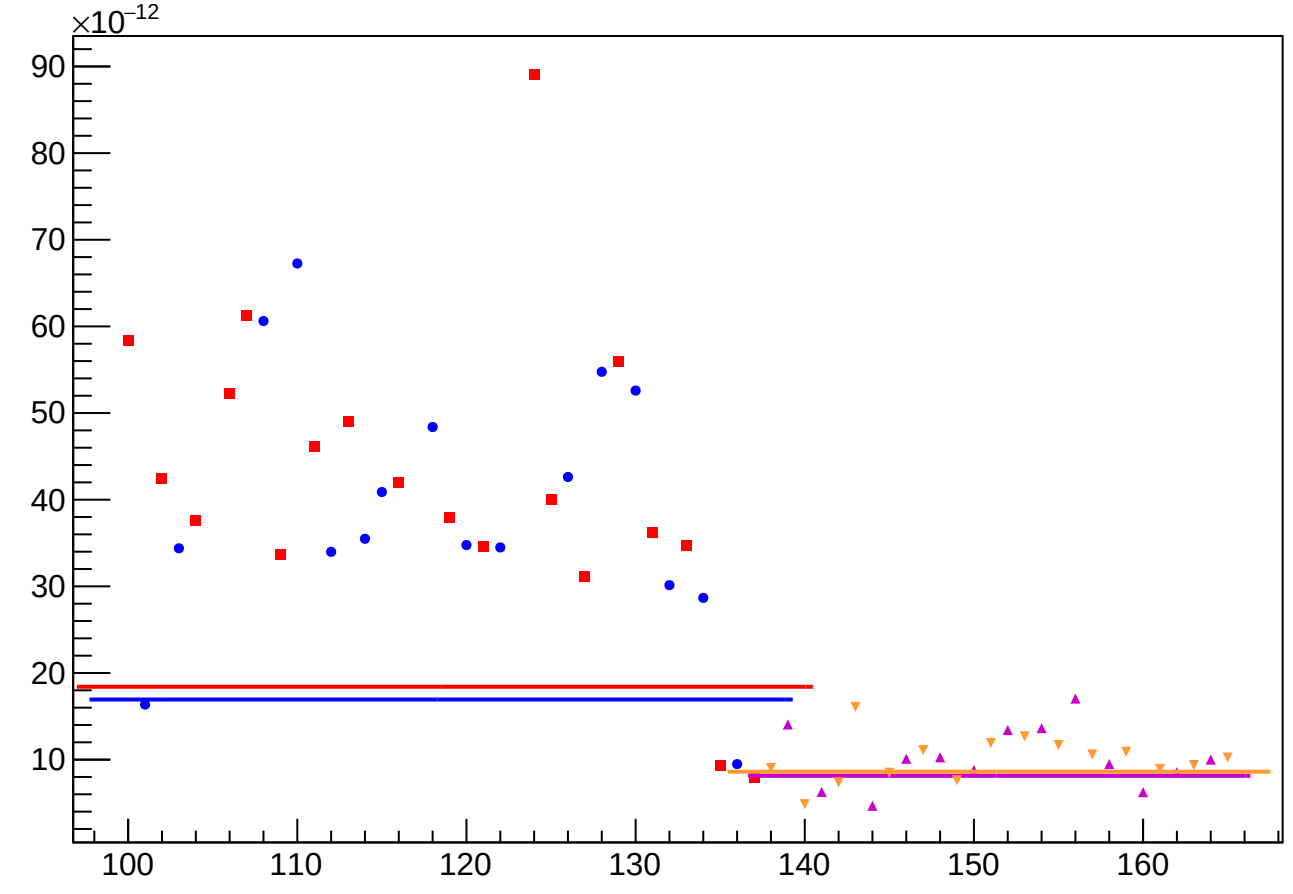
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/30

All: -0.000+/-0.000 χ^2/NDF: 68.0/62

- sign 0.000+/-0.000 χ^2/NDF: 43.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1290217.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

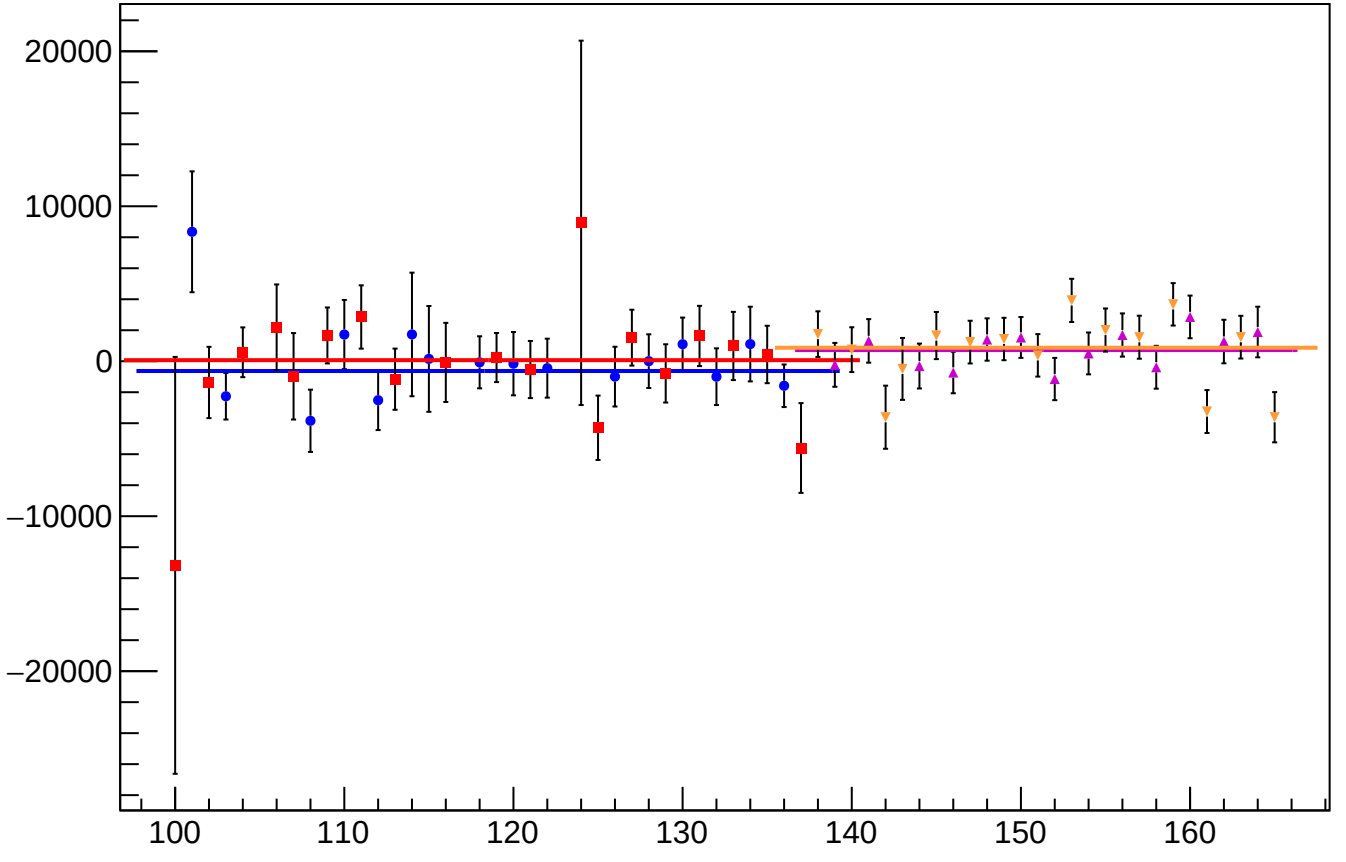
Left In: 0.000+/-0.000 χ^2/NDF:1751011.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 5770878.8/30

All: 0.000+/-0.000 χ^2/NDF: 12810876.2/62

- sign 0.000+/-0.000 χ^2/NDF: 7016850.8/31

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.075+/-378.768 χ^2/NDF:33.0/14

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

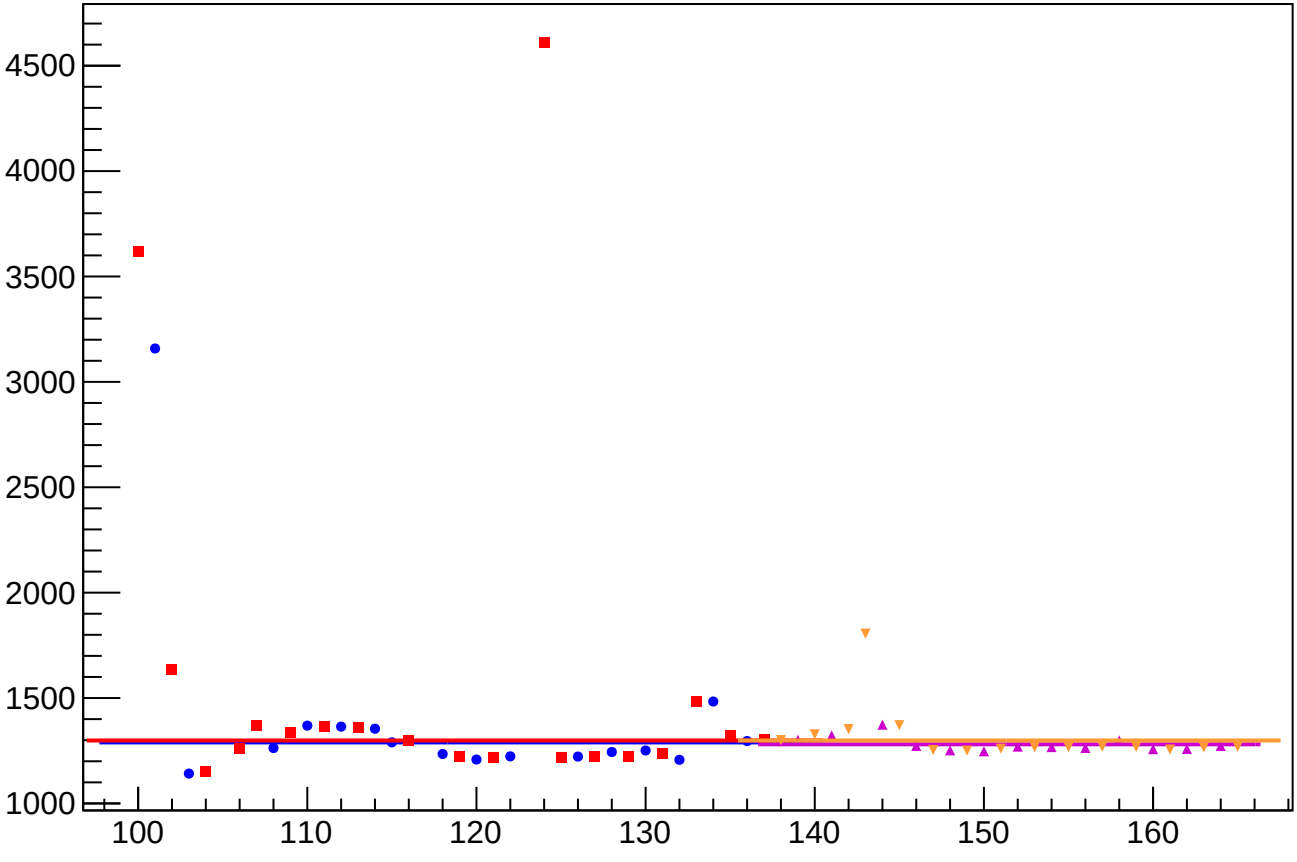
Left In: 720.669+/-386.715 χ^2/NDF:9.0/12

+ sign 307.313+/-299.368 χ^2/NDF: 52.8/30

All: 386.985+/-212.968 χ^2/NDF: 78.9/62

- sign 468.618+/-303.030 χ^2/NDF: 26.0/31

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

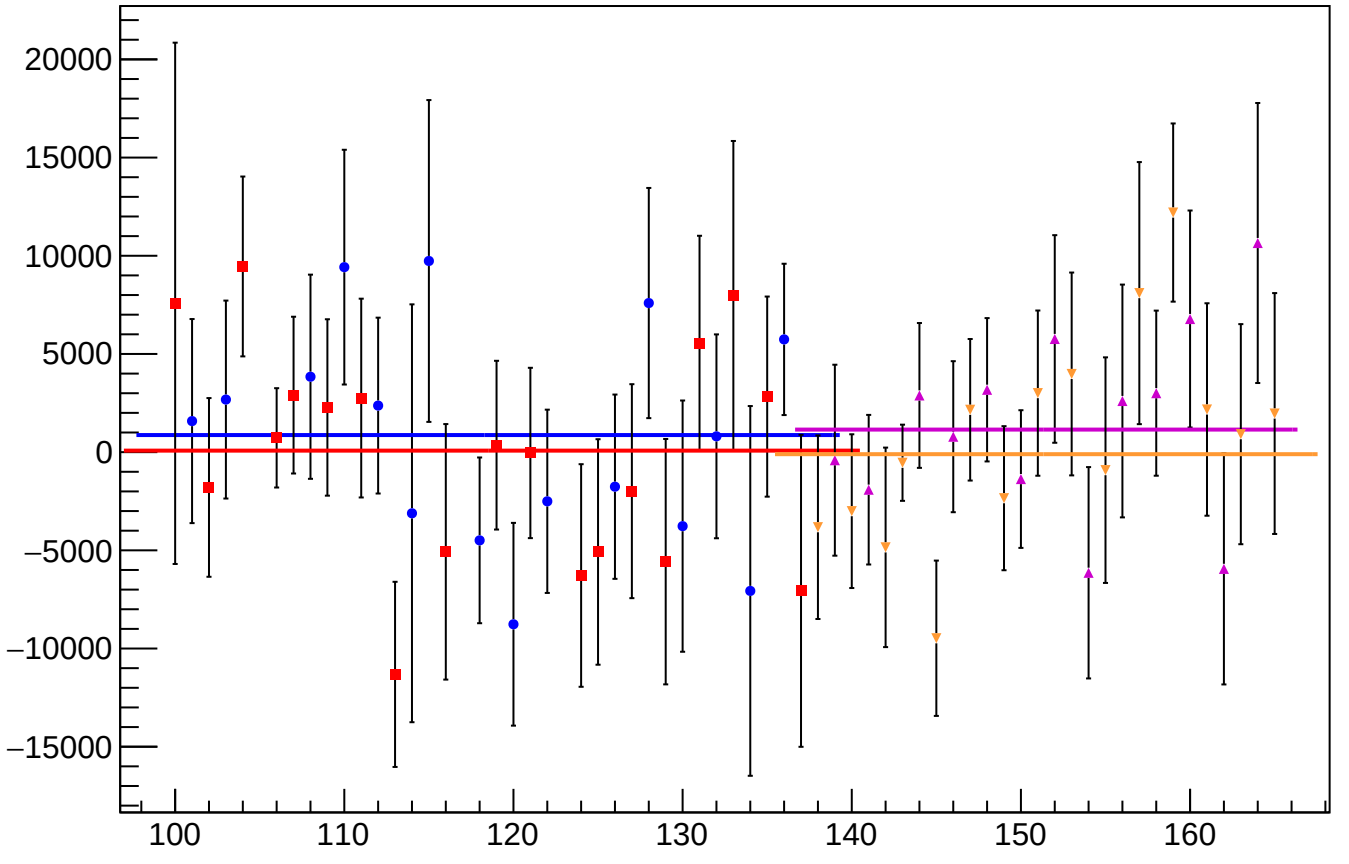
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1295.157+/-0.212 χ^2/NDF: 664480.9/30

All: 1291.375+/-0.151 χ^2/NDF: 1001028.9/62

- sign 1287.508+/-0.214 χ^2/NDF: 335902.4/31



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -103.709+/-1043.226 χ^2/NDF:18.9/14

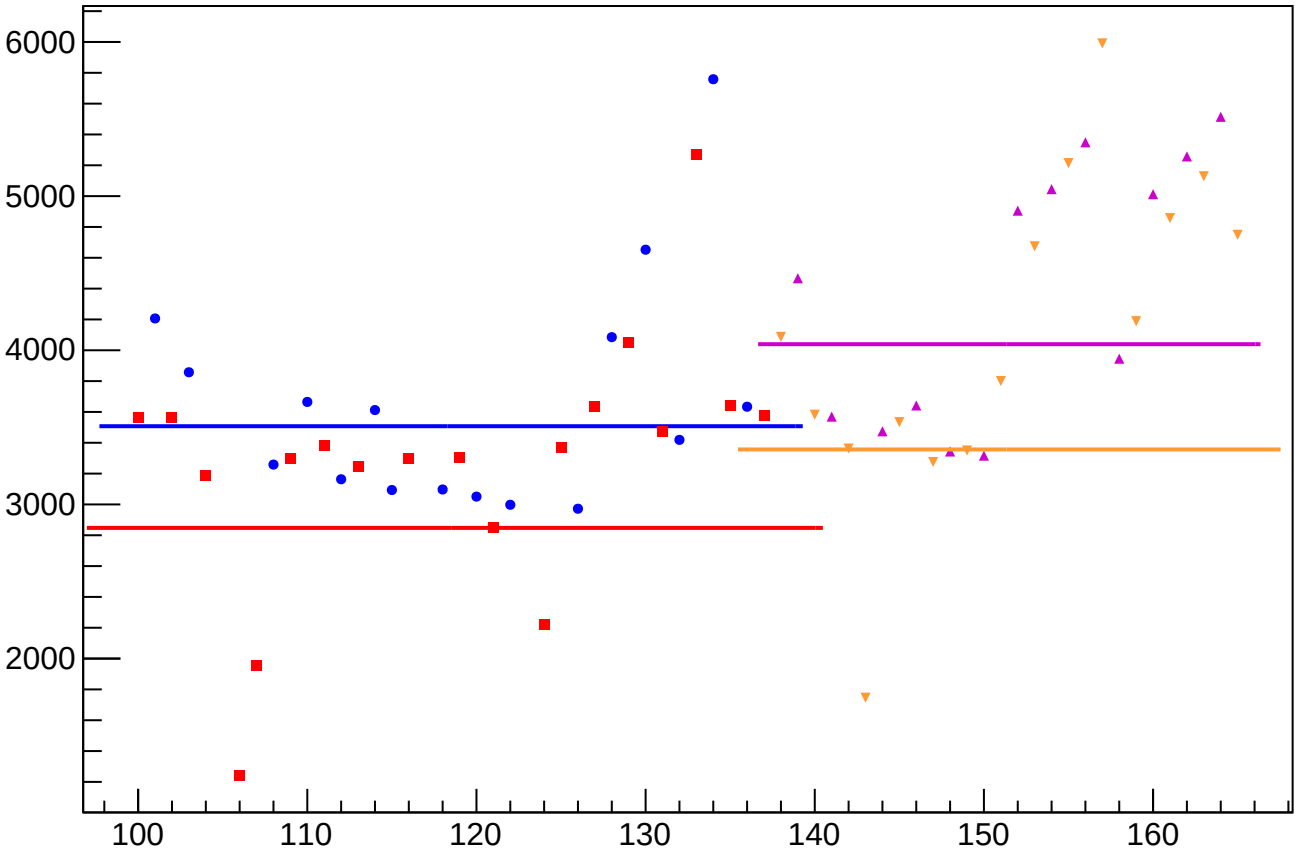
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1148.780+/-1244.618 χ^2/NDF:8.9/12

+ sign 268.926+/-819.726 χ^2/NDF: 33.2/30

All: 409.145+/-582.835 χ^2/NDF: 61.0/62

- sign 552.505+/-828.856 χ^2/NDF: 27.7/31



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3356.570+/-0.738 χ^2/NDF:2637283.8/14

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

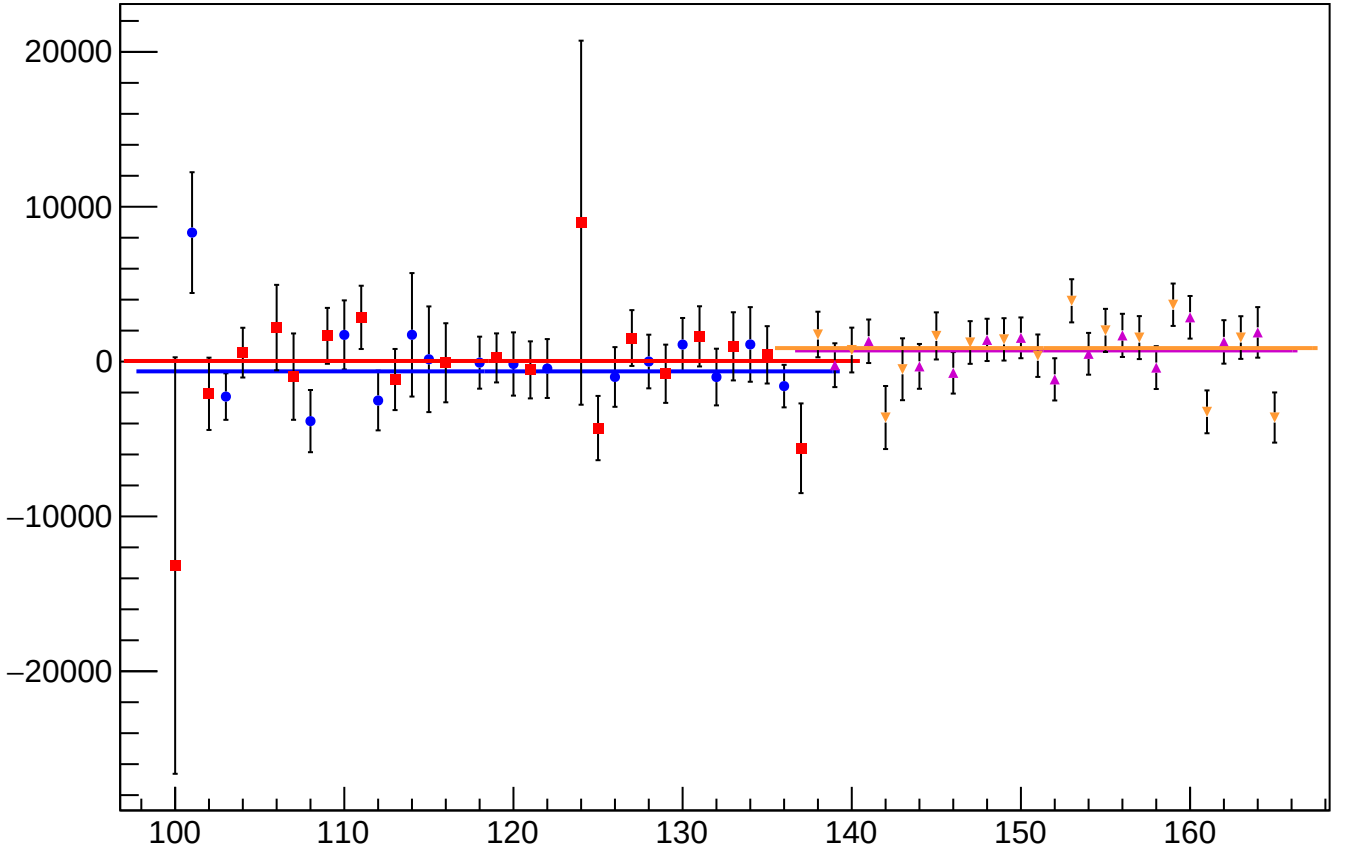
Left In: 4039.434+/-0.880 χ^2/NDF:727696.0/12

+ sign 3414.273+/-0.580 χ^2/NDF: 3007256.9/30

All: 3395.496+/-0.412 χ^2/NDF: 6256663.1/62

- sign 3376.298+/-0.586 χ^2/NDF: 3247283.8/31

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

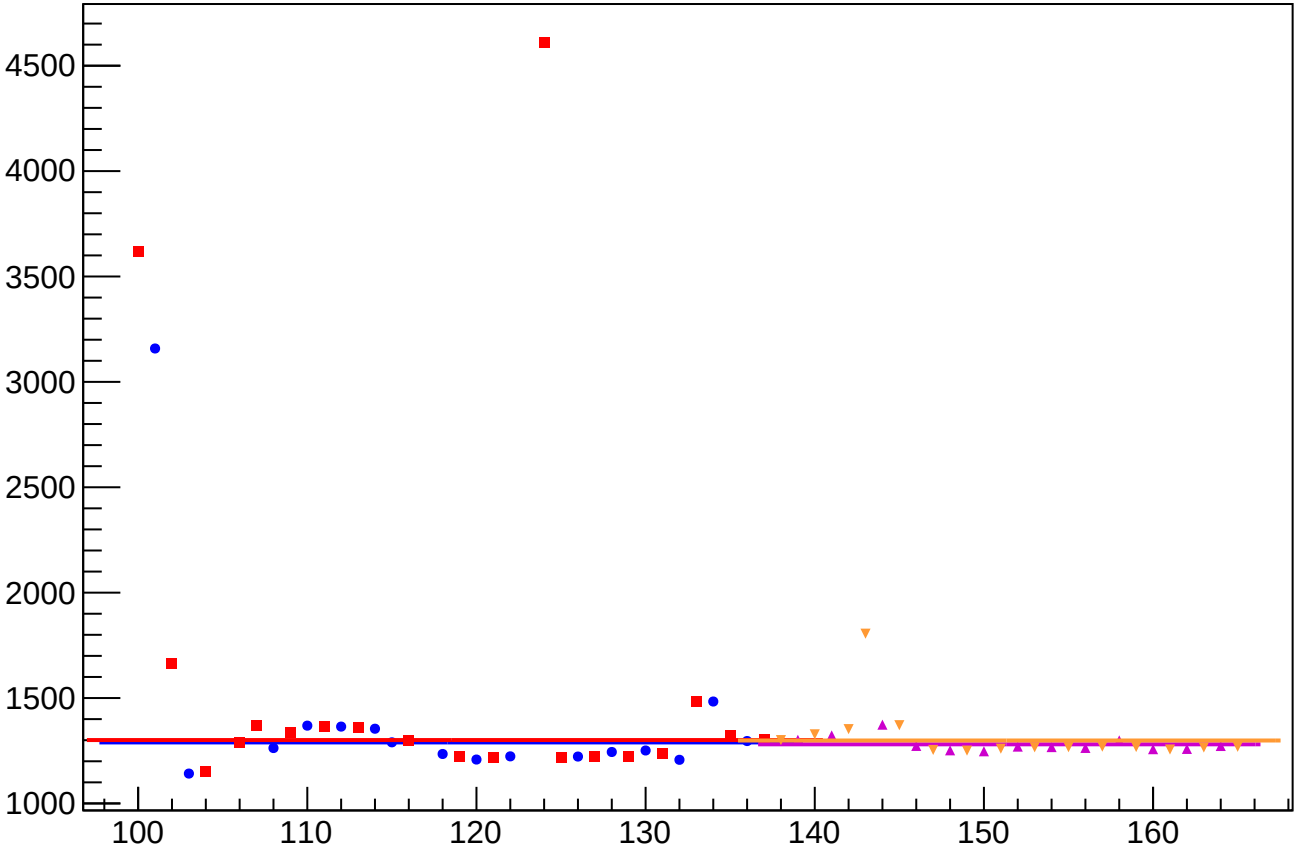
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 307.176+/-299.368 χ^2/NDF: 52.8/30

All: 381.468+/-212.995 χ^2/NDF: 79.4/62

- sign 457.628+/-303.107 χ^2/NDF: 26.6/31

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

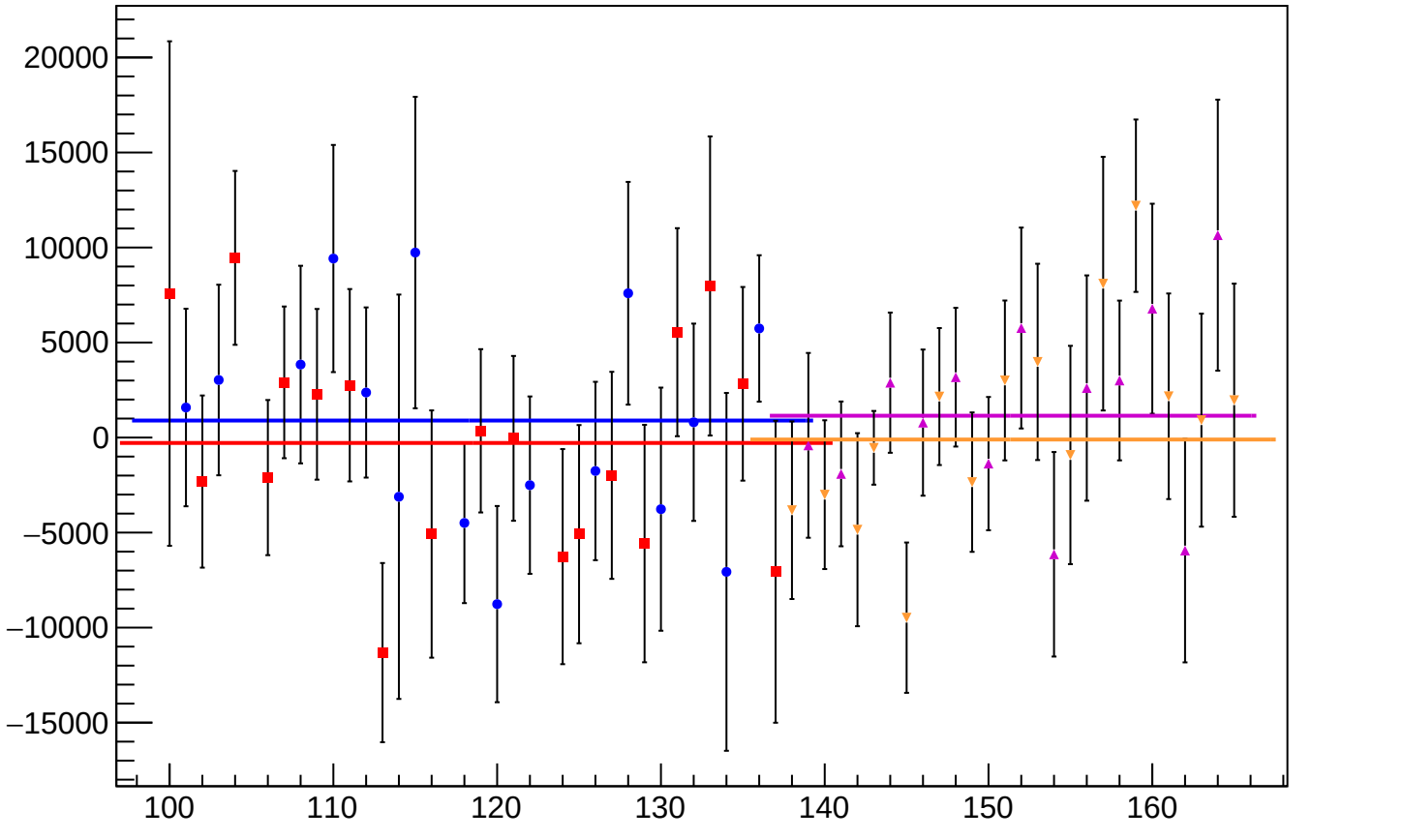
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1295.157+/-0.212 χ^2/NDF: 664482.4/30

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62

- sign 1288.280+/-0.214 χ^2/NDF: 342835.0/31



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -103.617+/-1043.224 χ^2/NDF:18.9/14

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

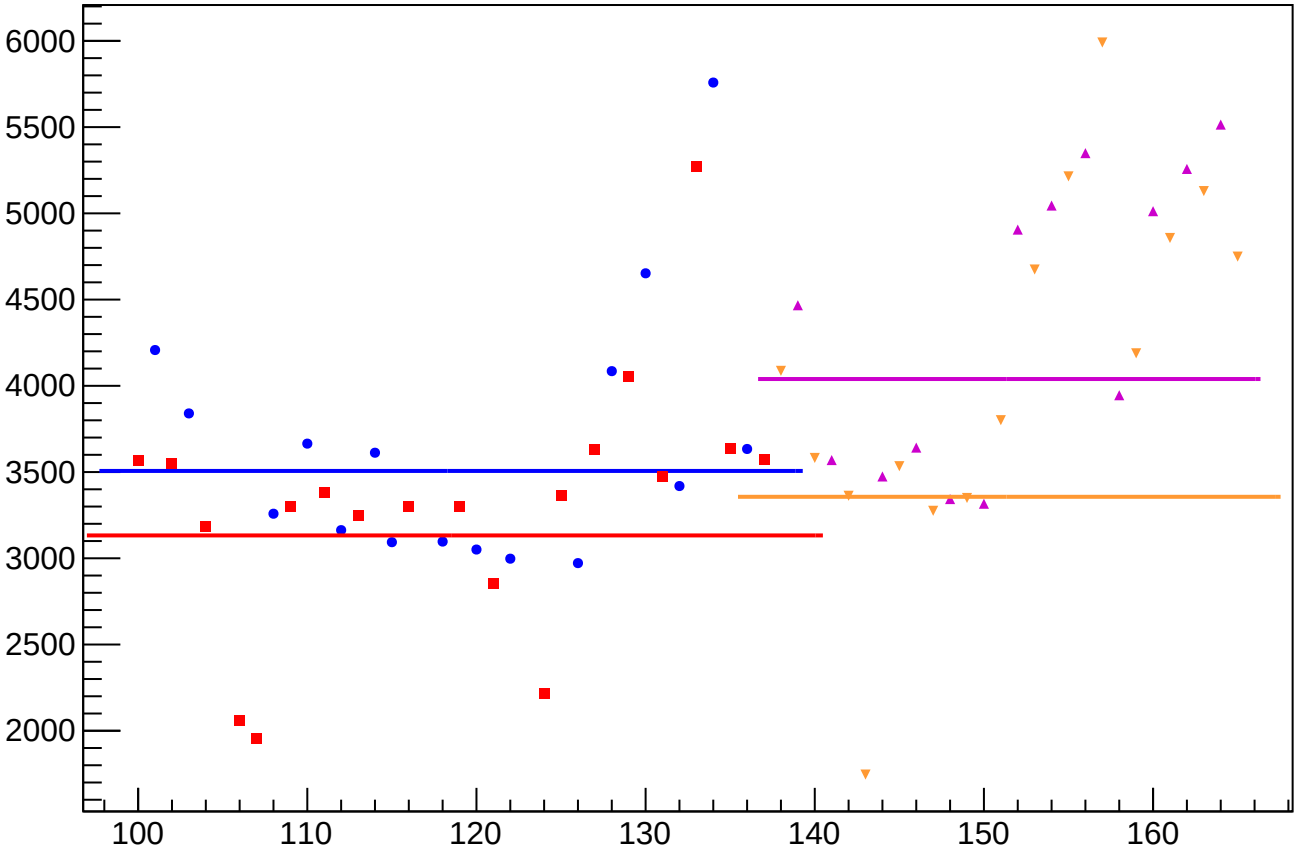
Left In: 1148.822+/-1244.617 χ^2/NDF:8.9/12

+ sign 278.985+/-819.617 χ^2/NDF: 33.3/30

All: 334.939+/-592.506 χ^2/NDF: 61.6/62

- sign 396.190+/-857.528 χ^2/NDF: 28.2/31

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

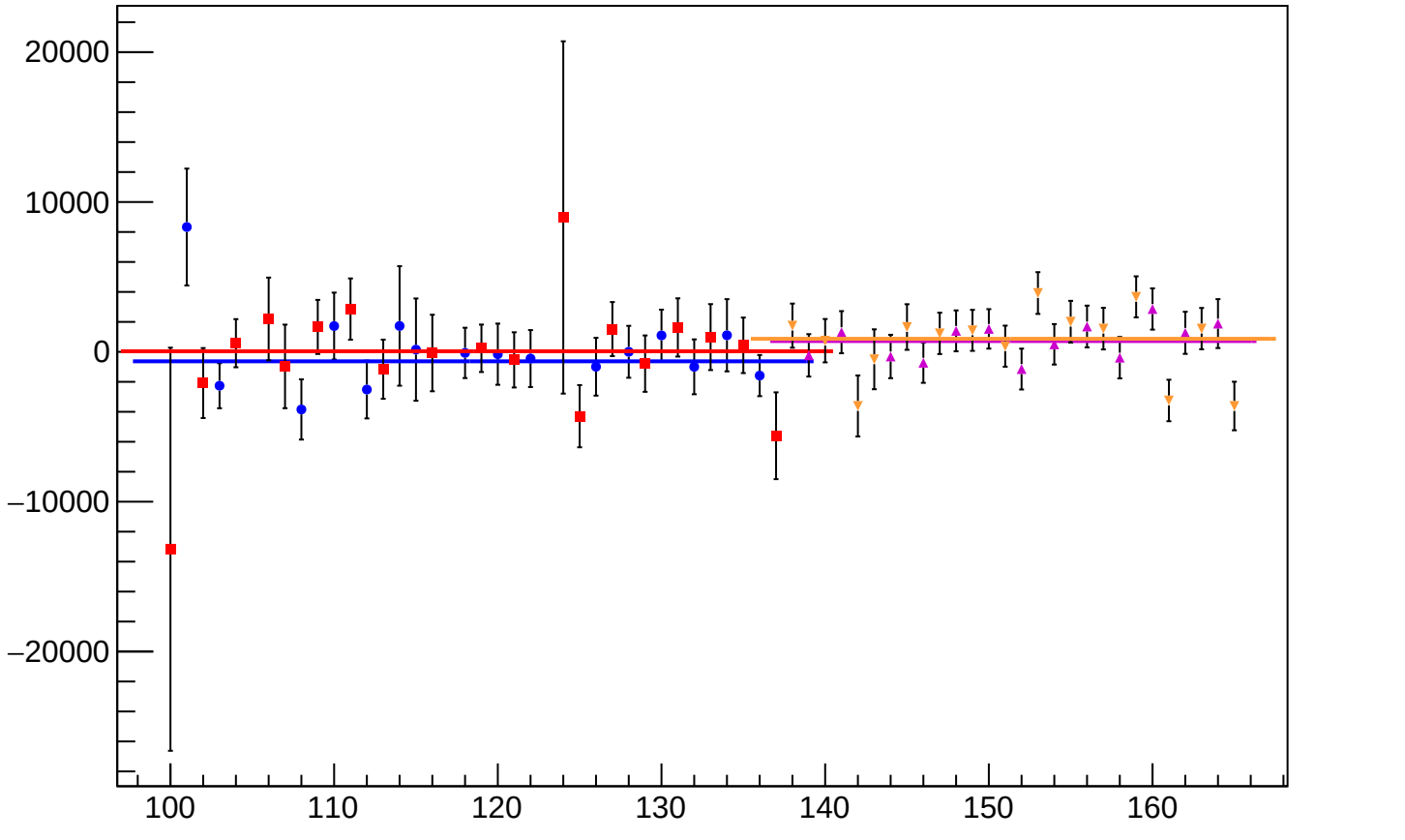
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

+ sign 3413.942+/-0.580 χ^2/NDF: 3006353.9/30

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62

- sign 3563.071+/-0.606 χ^2/NDF: 1935039.9/31



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

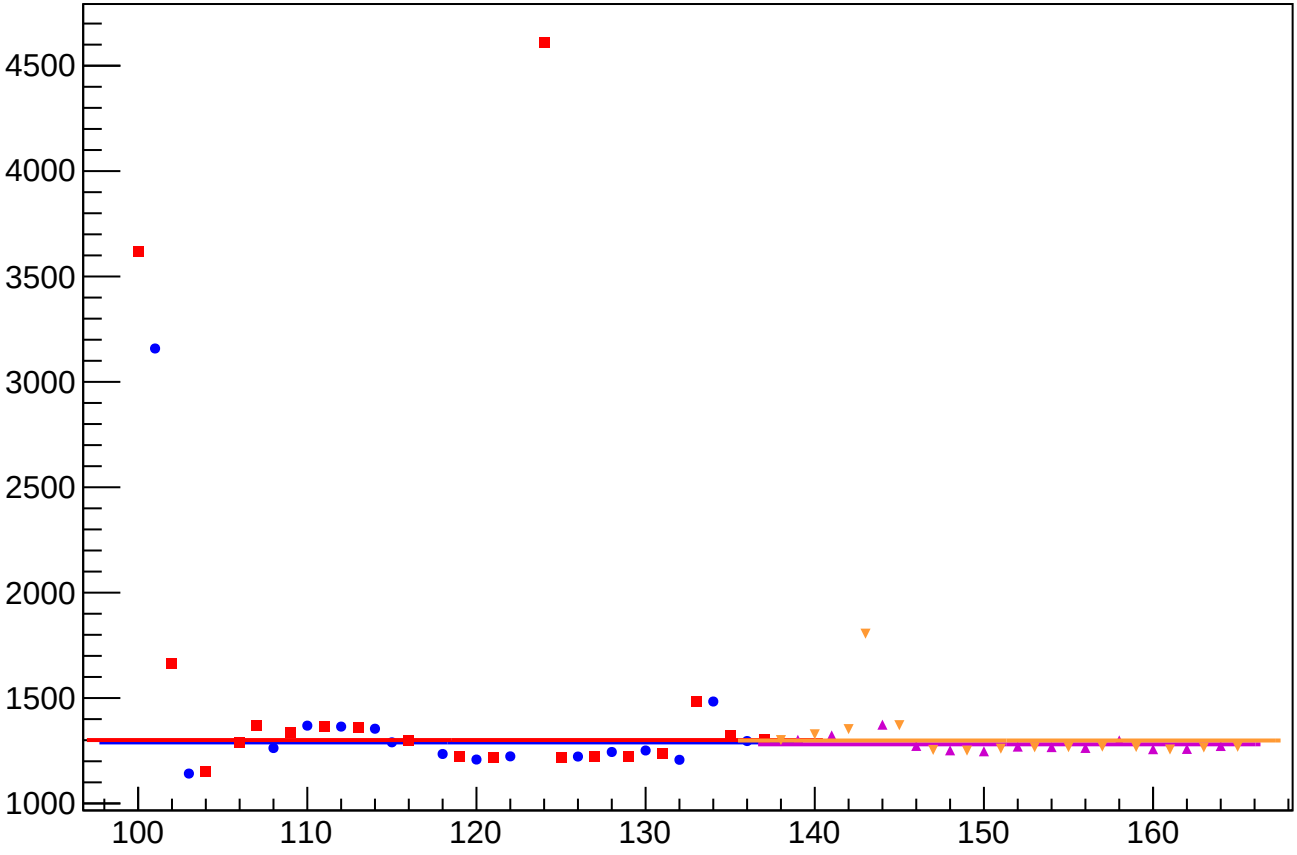
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 307.176+/-299.368 χ^2/NDF: 52.8/30

All: 381.468+/-212.995 χ^2/NDF: 79.4/62

- sign 457.628+/-303.107 χ^2/NDF: 26.6/31

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: 1298.576+/-0.268 χ^2/NDF:149371.6/14

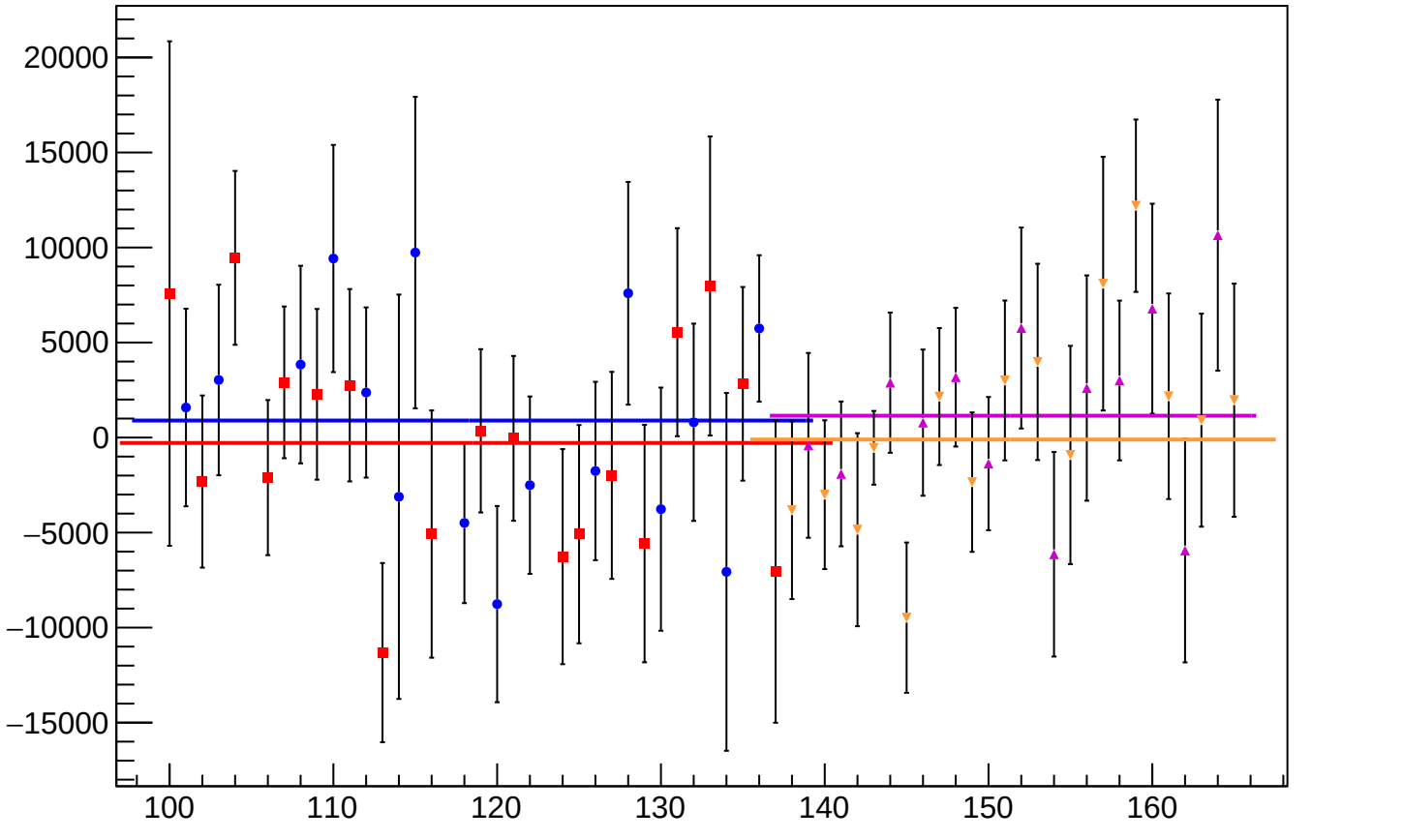
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1295.157+/-0.212 χ^2/NDF: 664482.4/30

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62

- sign 1288.280+/-0.214 χ^2/NDF: 342835.0/31



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -103.617+/-1043.224 χ^2/NDF:18.9/14

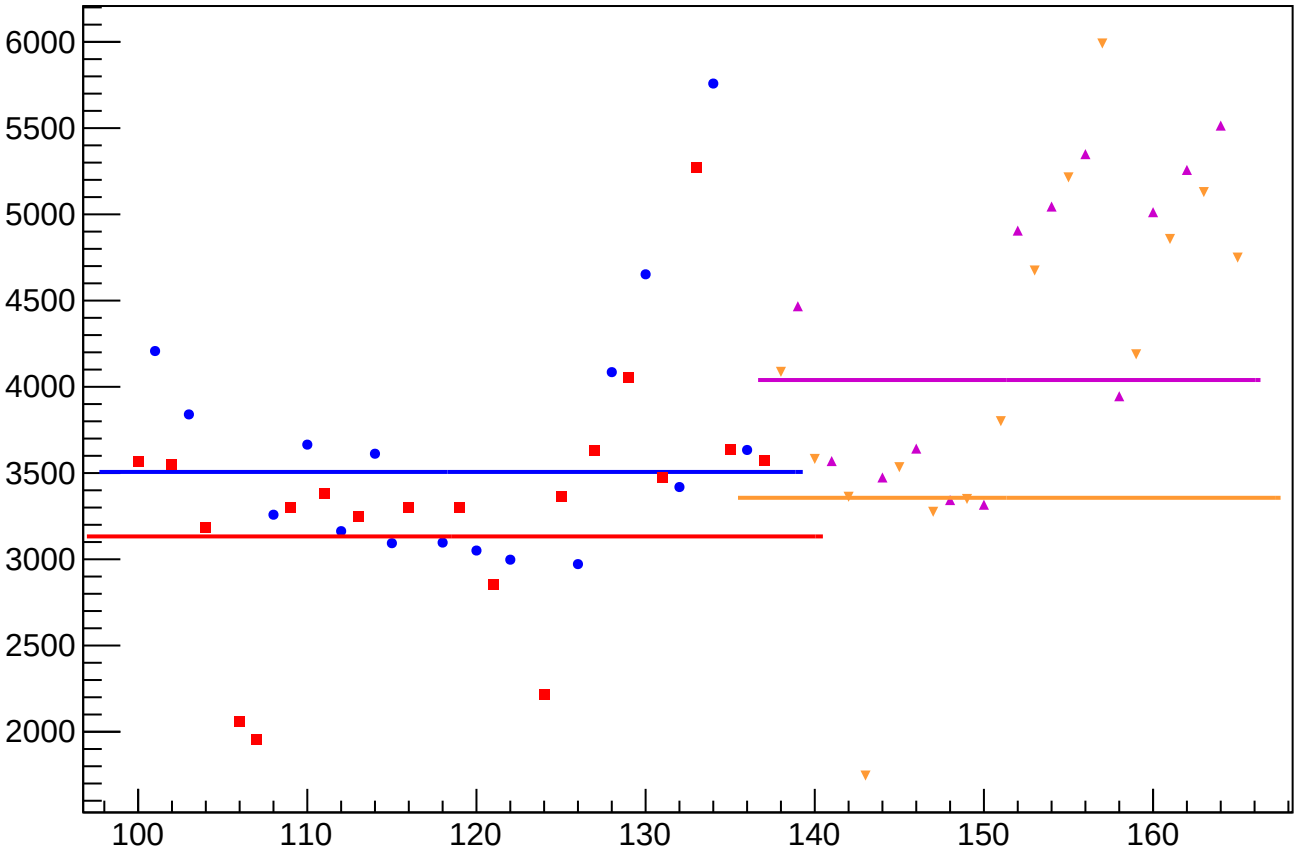
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1148.822+/-1244.617 χ^2/NDF:8.9/12

+ sign 278.985+/-819.617 χ^2/NDF: 33.3/30

All: 334.939+/-592.506 χ^2/NDF: 61.6/62

- sign 396.190+/-857.528 χ^2/NDF: 28.2/31



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

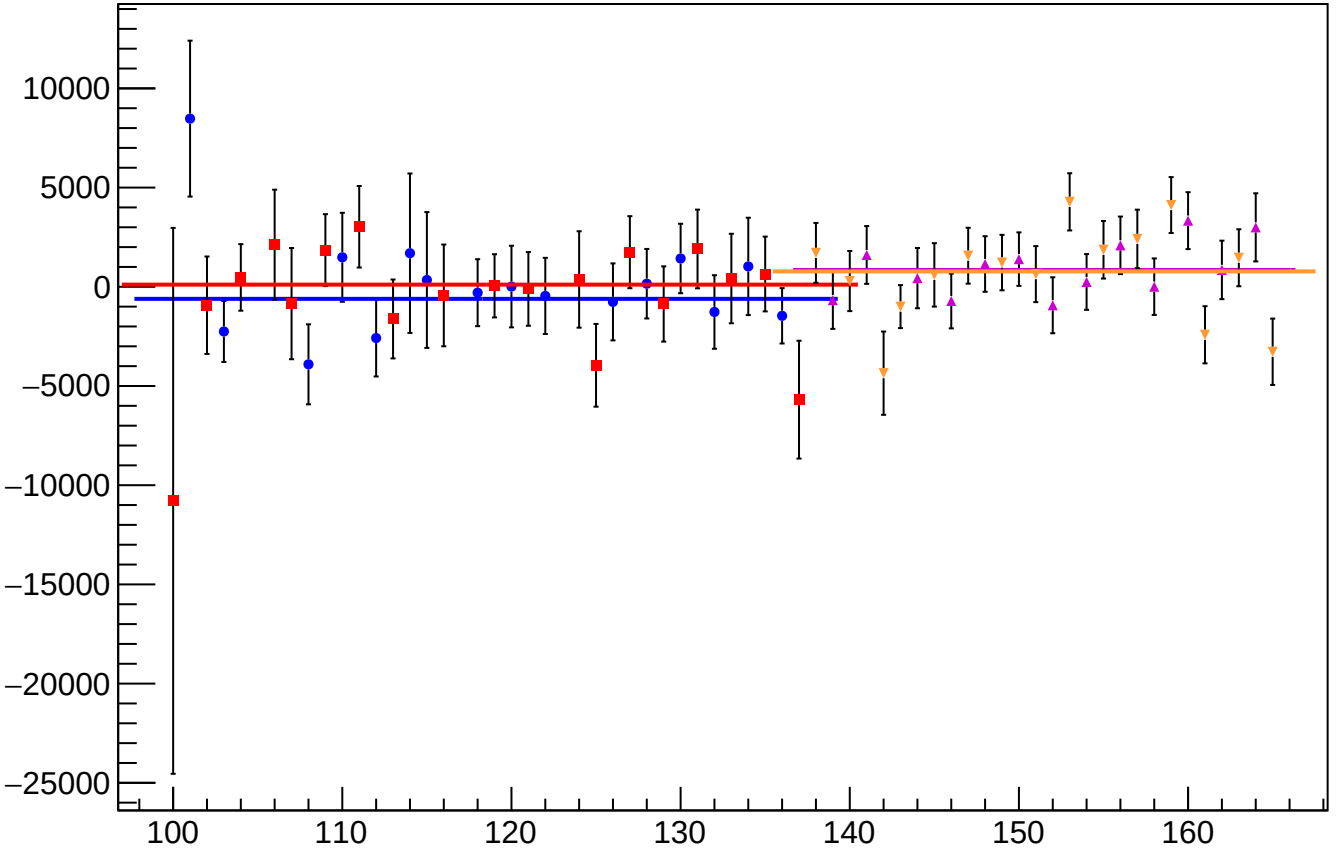
Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

\+ sign 3413.942+/-0.580 χ^2/NDF: 3006353.9/30

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62

\- sign 3563.071+/-0.606 χ^2/NDF: 1935039.9/31

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.962+/-375.142 χ^2/NDF:33.9/14

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

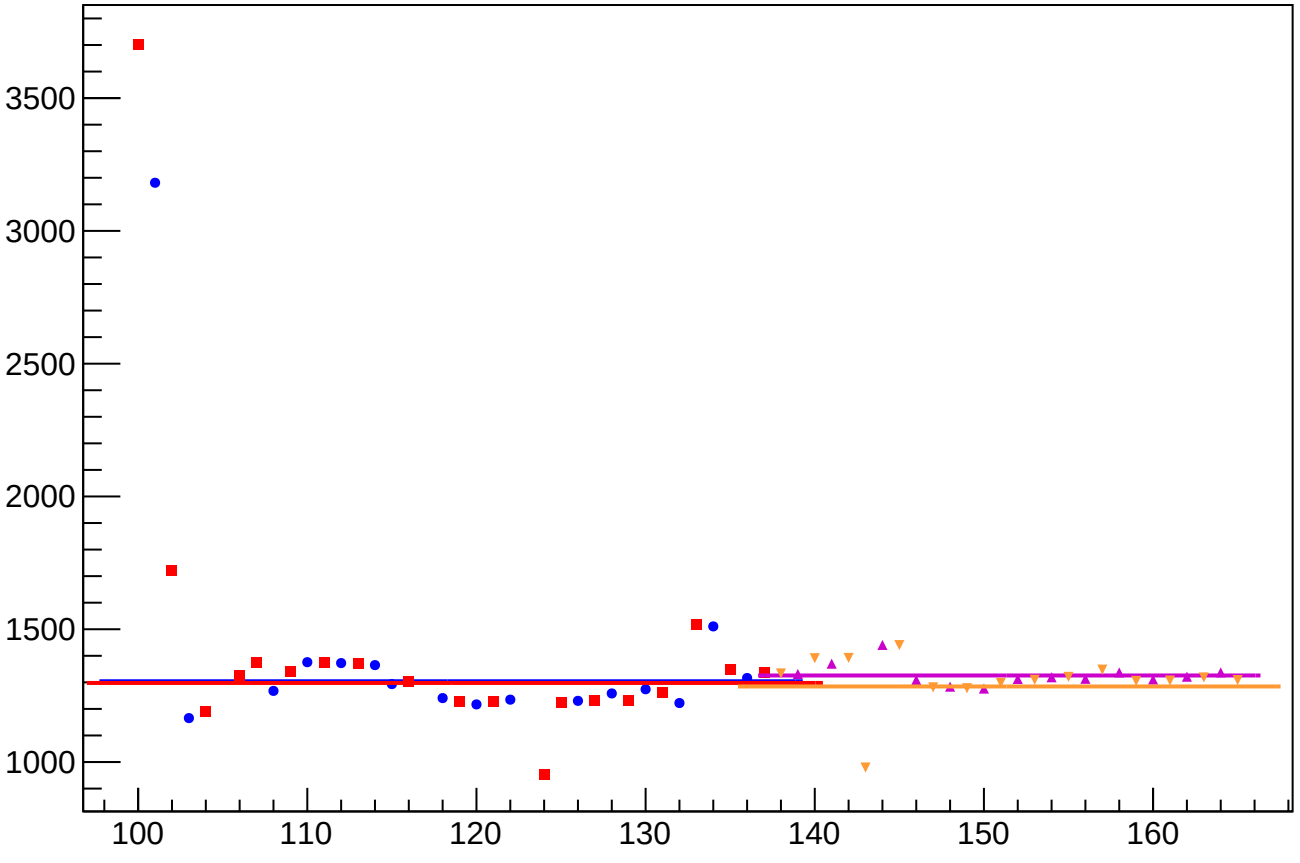
Left In: 847.227+/-400.519 χ^2/NDF:10.4/12

+ sign 269.431+/-298.801 χ^2/NDF: 53.0/30

All: 404.132+/-214.789 χ^2/NDF: 80.1/62

- sign 548.156+/-308.969 χ^2/NDF: 26.6/31

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.504+/-0.265 χ^2/NDF:203047.1/14

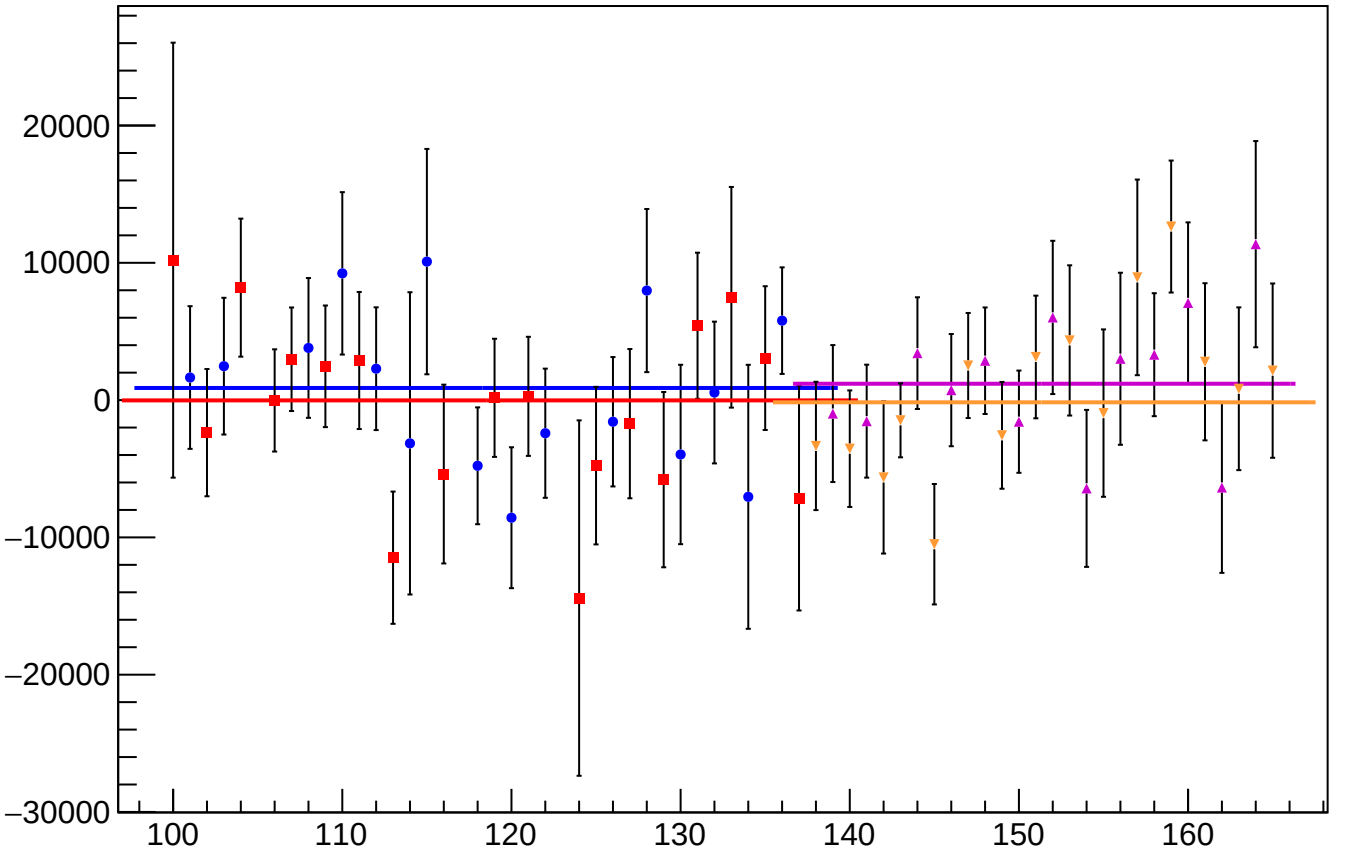
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

+ sign 1291.669+/-0.211 χ^2/NDF: 715632.2/30

All: 1302.720+/-0.152 χ^2/NDF: 957404.8/62

- sign 1314.530+/-0.218 χ^2/NDF: 236112.9/31



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -160.912+/-1182.786 χ^2/NDF:19.1/14

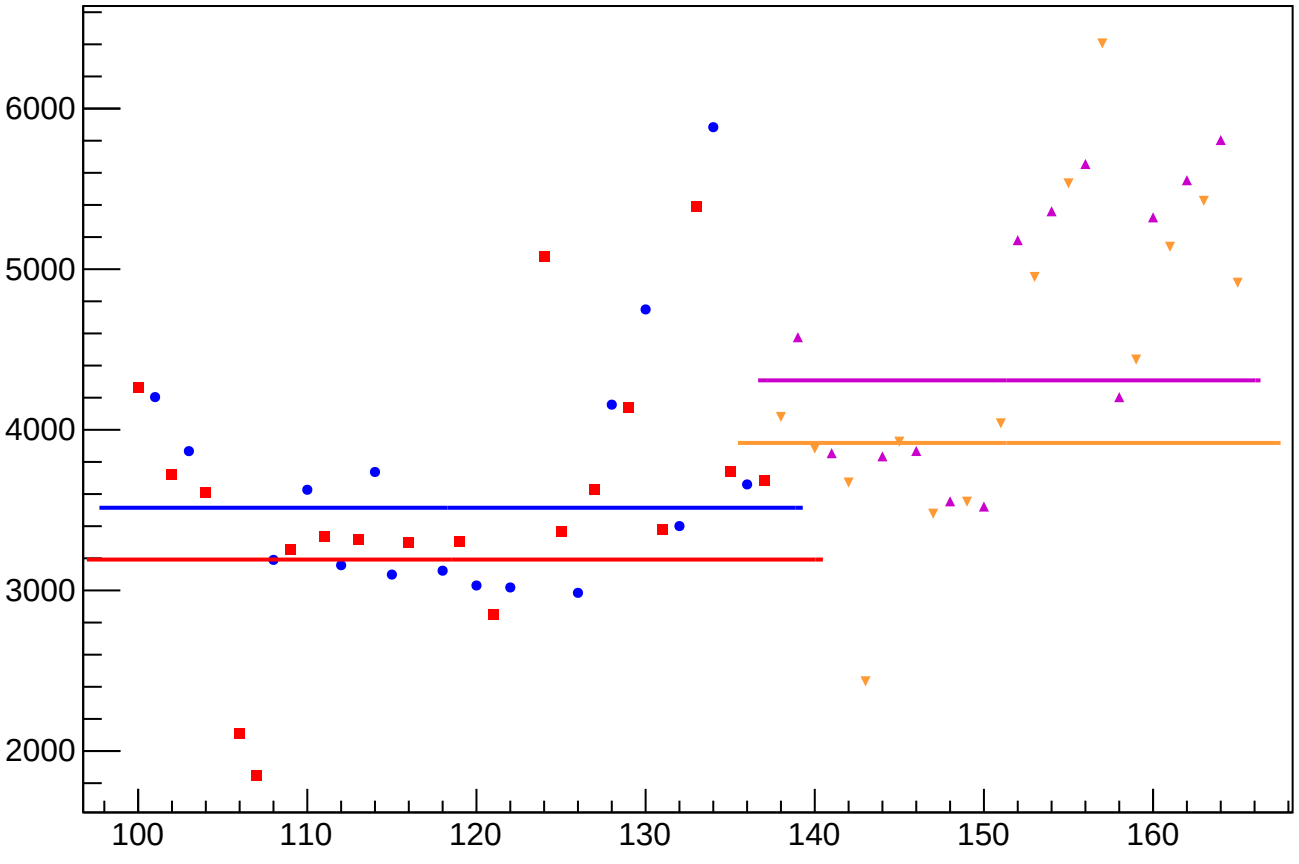
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1191.323+/-1325.927 χ^2/NDF:8.8/12

+ sign 301.571+/-883.075 χ^2/NDF: 33.6/30

All: 412.474+/-626.768 χ^2/NDF: 59.7/62

- sign 525.055+/-889.732 χ^2/NDF: 26.1/31



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3918.319+/-0.836 χ^2/NDF:1406365.2/14

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

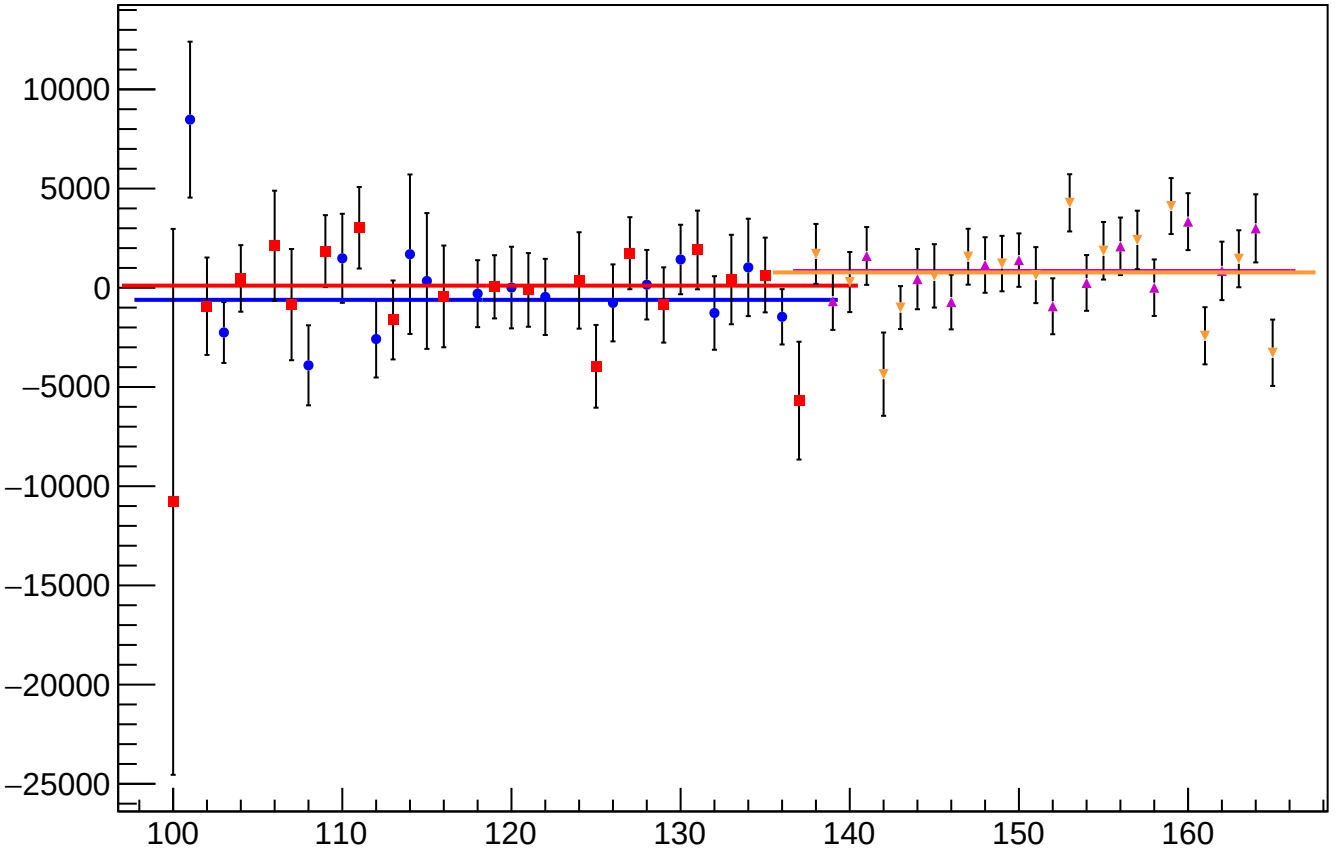
Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

+ sign 3739.706+/-0.624 χ^2/NDF: 1884495.6/30

All: 3717.313+/-0.443 χ^2/NDF: 4112480.8/62

- sign 3694.582+/-0.629 χ^2/NDF: 2225393.8/31

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.968+/-375.143 χ^2/NDF:33.9/14

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

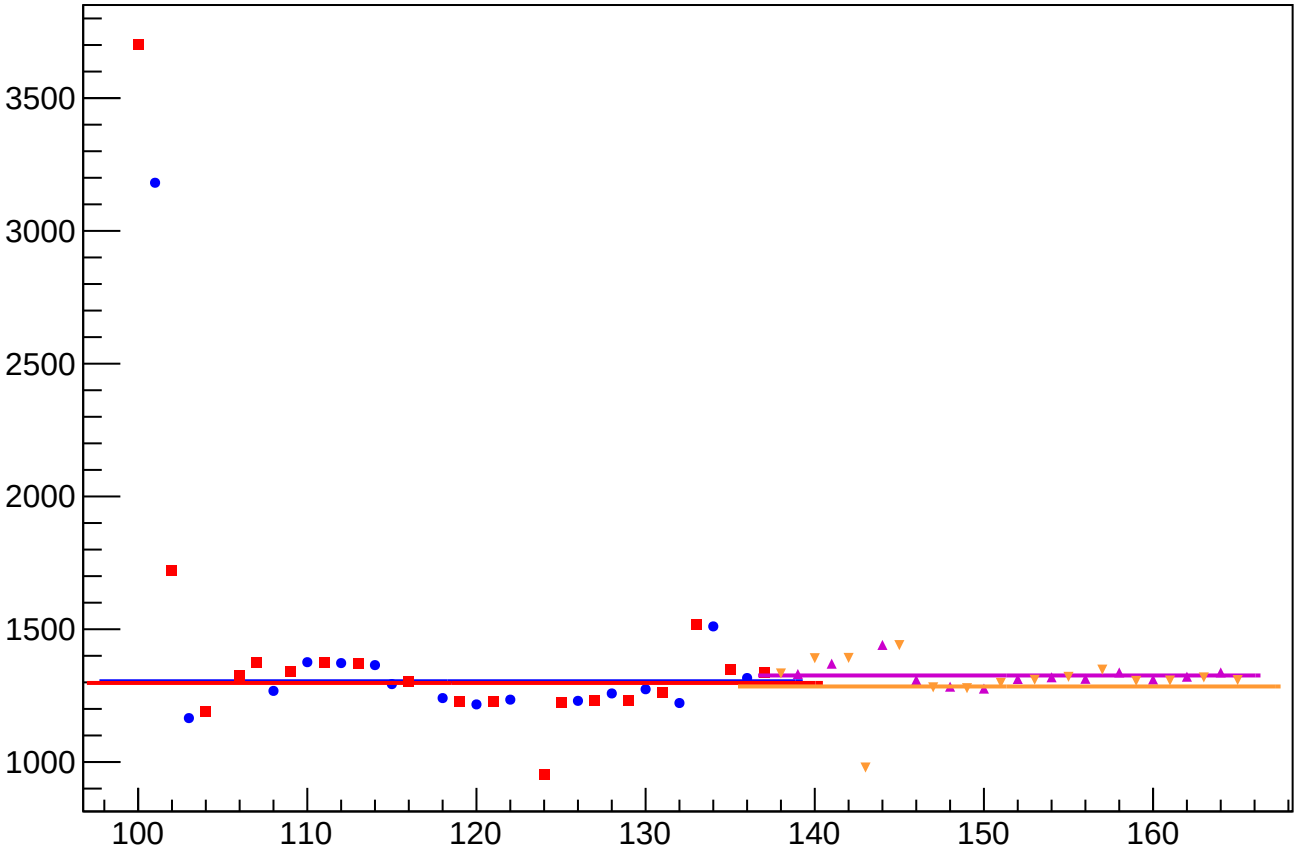
Left In: 847.228+/-400.519 χ^2/NDF:10.4/12

+ sign 269.433+/-298.801 χ^2/NDF: 53.0/30

All: 404.134+/-214.789 χ^2/NDF: 80.1/62

- sign 548.159+/-308.969 χ^2/NDF: 26.6/31

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: 1284.505+/-0.265 χ^2/NDF:203047.8/14

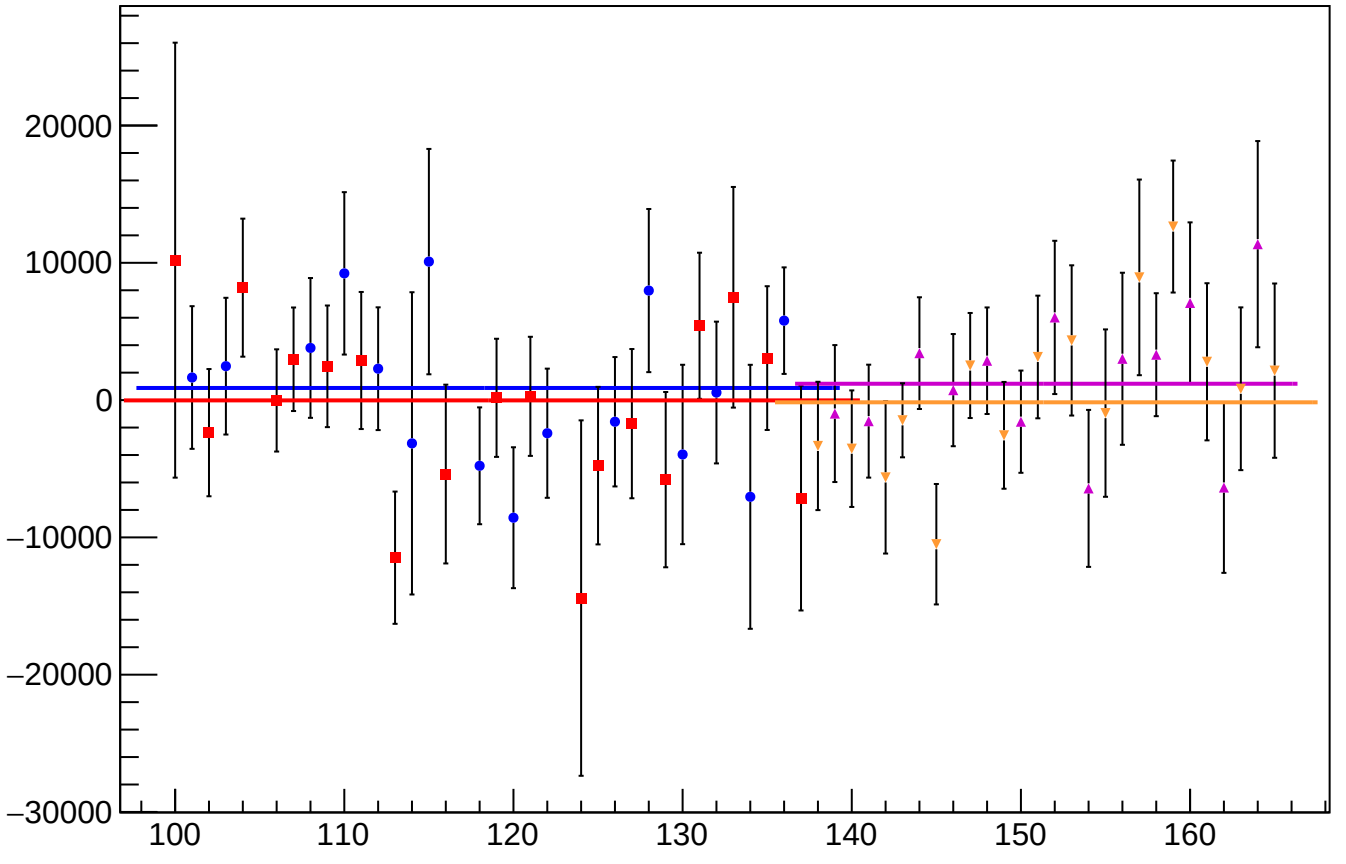
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

+ sign 1291.669+/-0.211 χ^2/NDF: 715632.7/30

All: 1302.721+/-0.152 χ^2/NDF: 957405.9/62

- sign 1314.531+/-0.218 χ^2/NDF: 236113.5/31



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -160.908+/-1182.788 χ^2/NDF:19.1/14

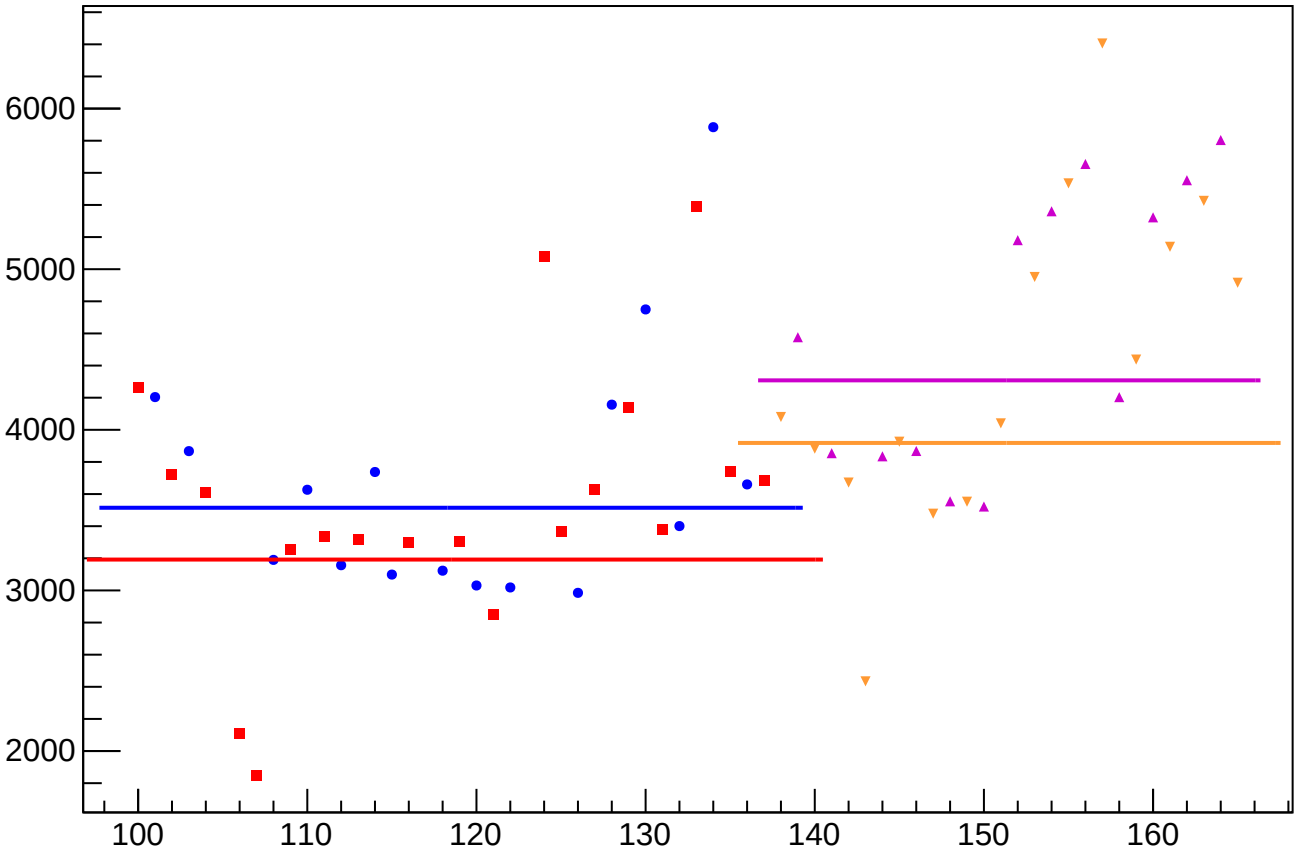
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1191.322+/-1325.929 χ^2/NDF:8.8/12

+ sign 301.570+/-883.074 χ^2/NDF: 33.6/30

All: 412.473+/-626.768 χ^2/NDF: 59.7/62

- sign 525.054+/-889.731 χ^2/NDF: 26.1/31



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3918.325+/-0.836 χ^2/NDF:1406367.0/14

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

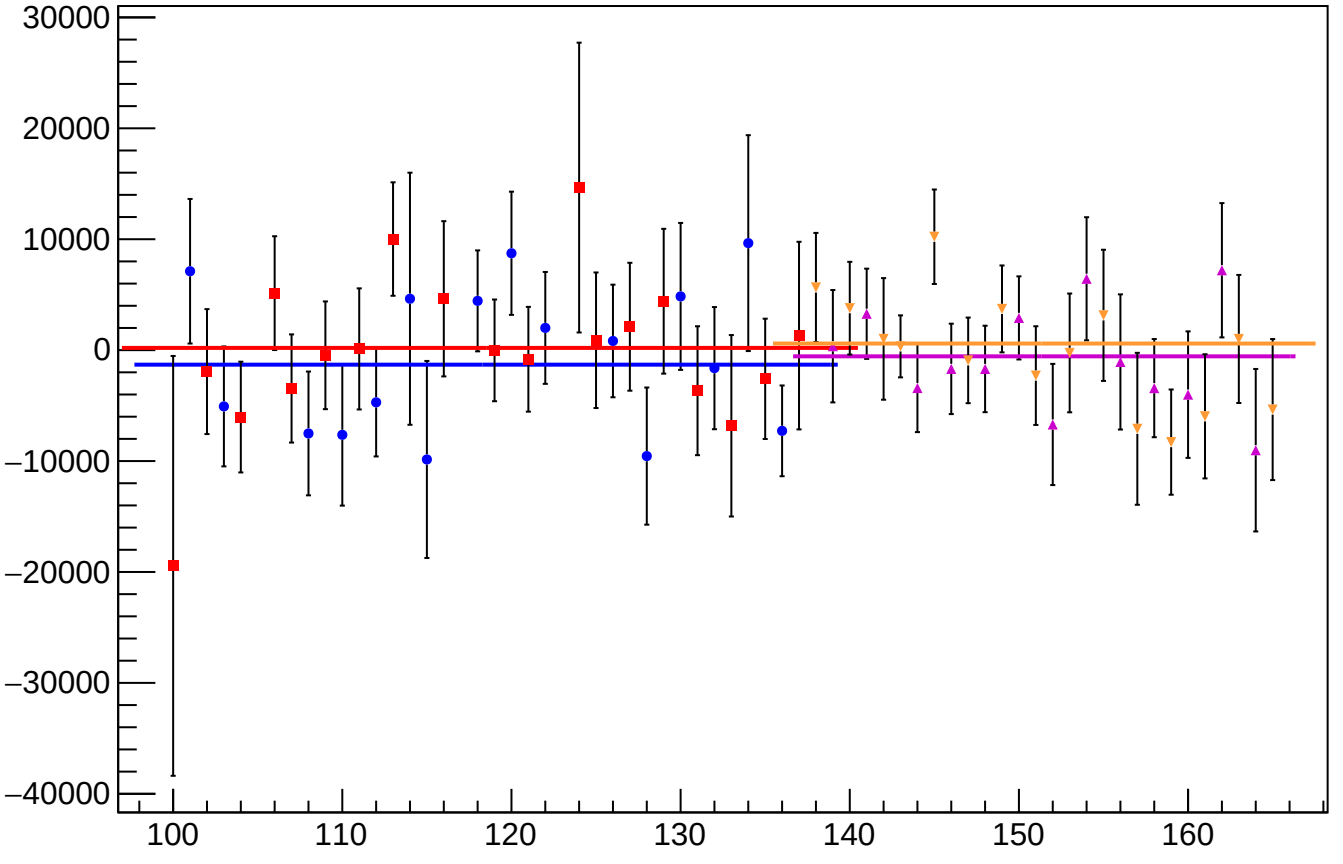
Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

+ sign 3739.704+/-0.624 χ^2/NDF: 1884509.2/30

All: 3717.311+/-0.443 χ^2/NDF: 4112518.2/62

- sign 3694.578+/-0.629 χ^2/NDF: 2225417.4/31

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 594.666+/-1183.653 χ^2/NDF:15.2/14

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

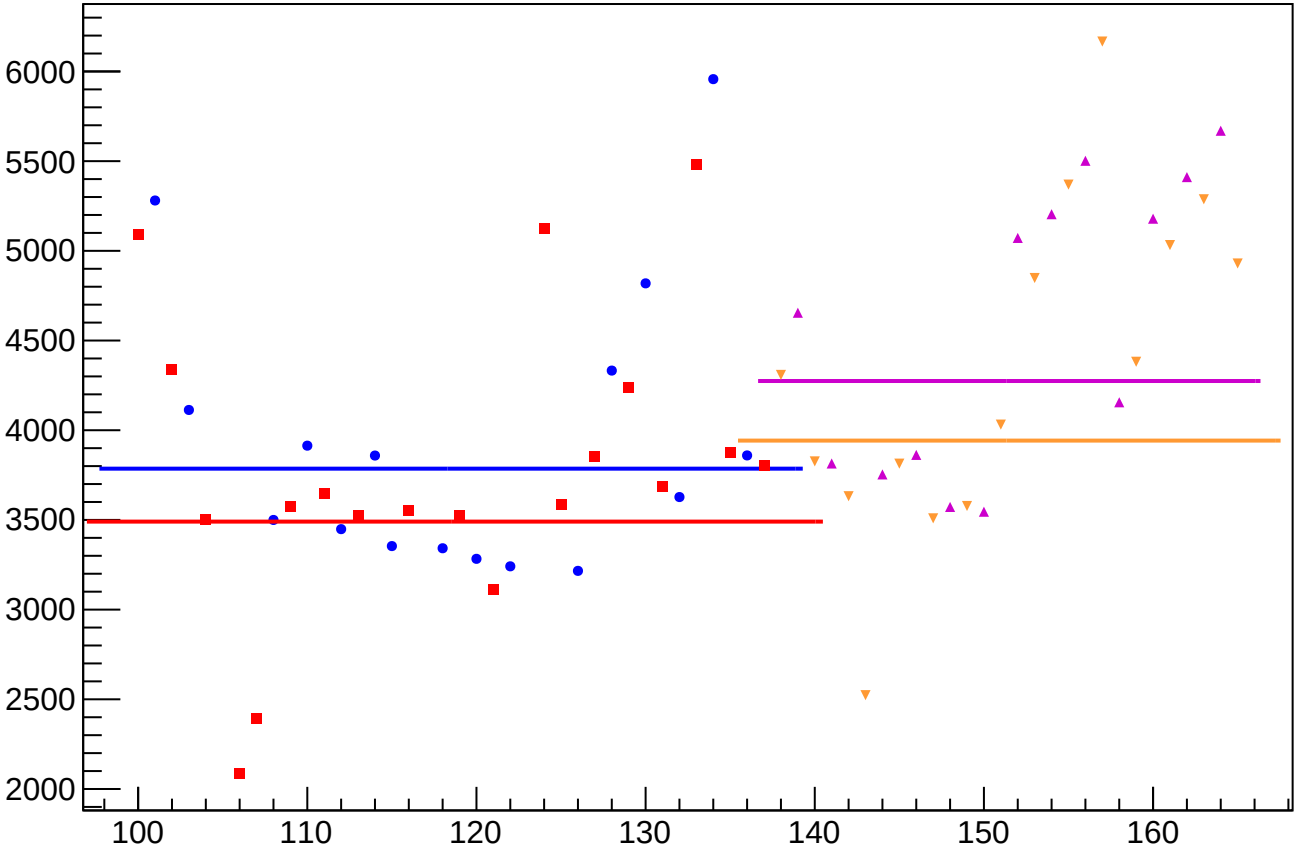
Left In: -558.248+/-1312.498 χ^2/NDF:9.1/12

\+ sign -178.418+/-912.236 χ^2/NDF: 33.8/30

All: -181.666+/-653.389 χ^2/NDF: 54.7/62

\- sign -185.087+/-936.296 χ^2/NDF: 20.9/31

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3942.235+/-0.837 χ^2/NDF:1214331.3/14

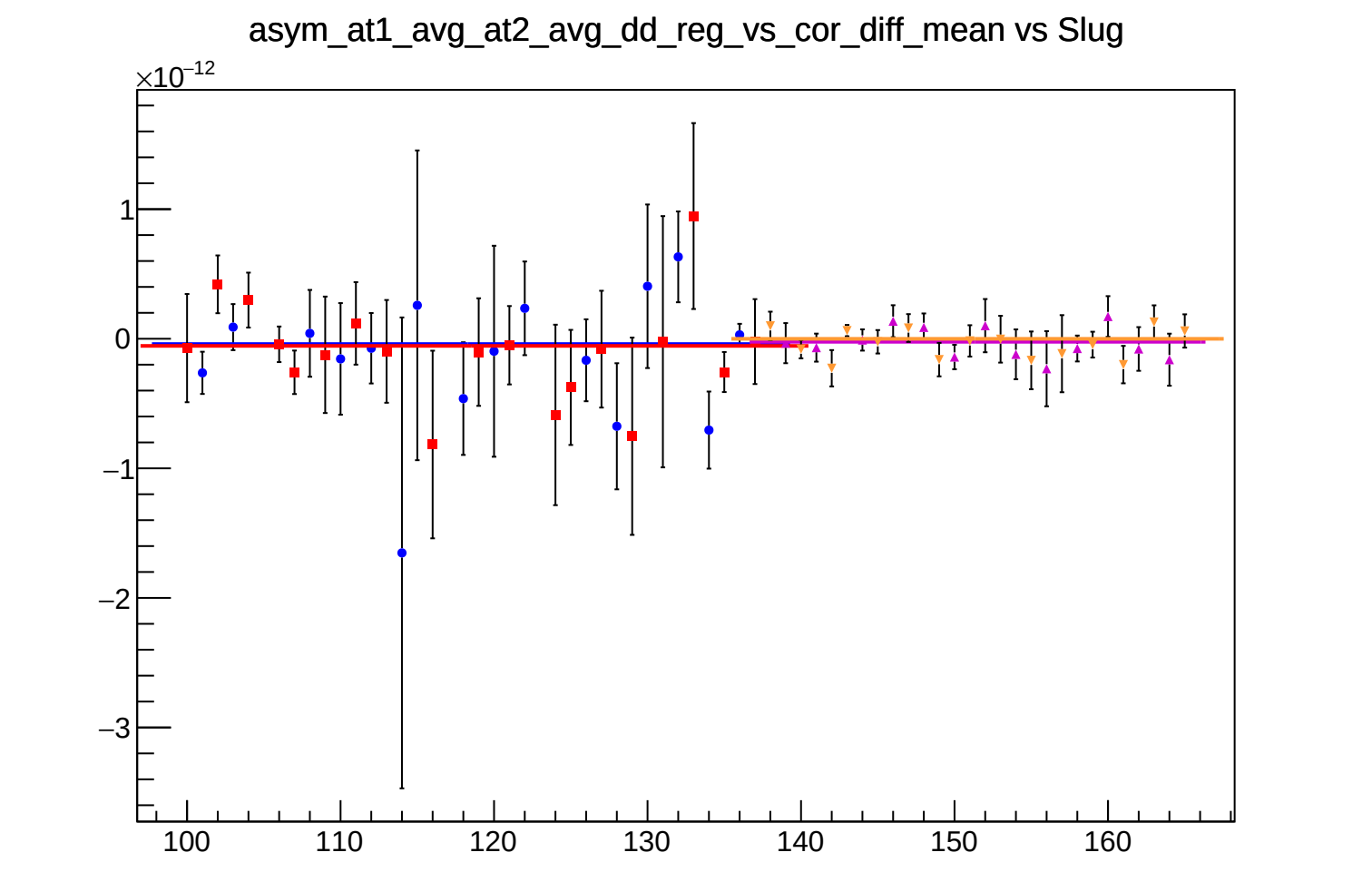
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

+ sign 3878.707+/-0.645 χ^2/NDF: 1611513.3/30

All: 3881.348+/-0.460 χ^2/NDF: 3160263.4/62

- sign 3884.092+/-0.658 χ^2/NDF: 1548715.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/14

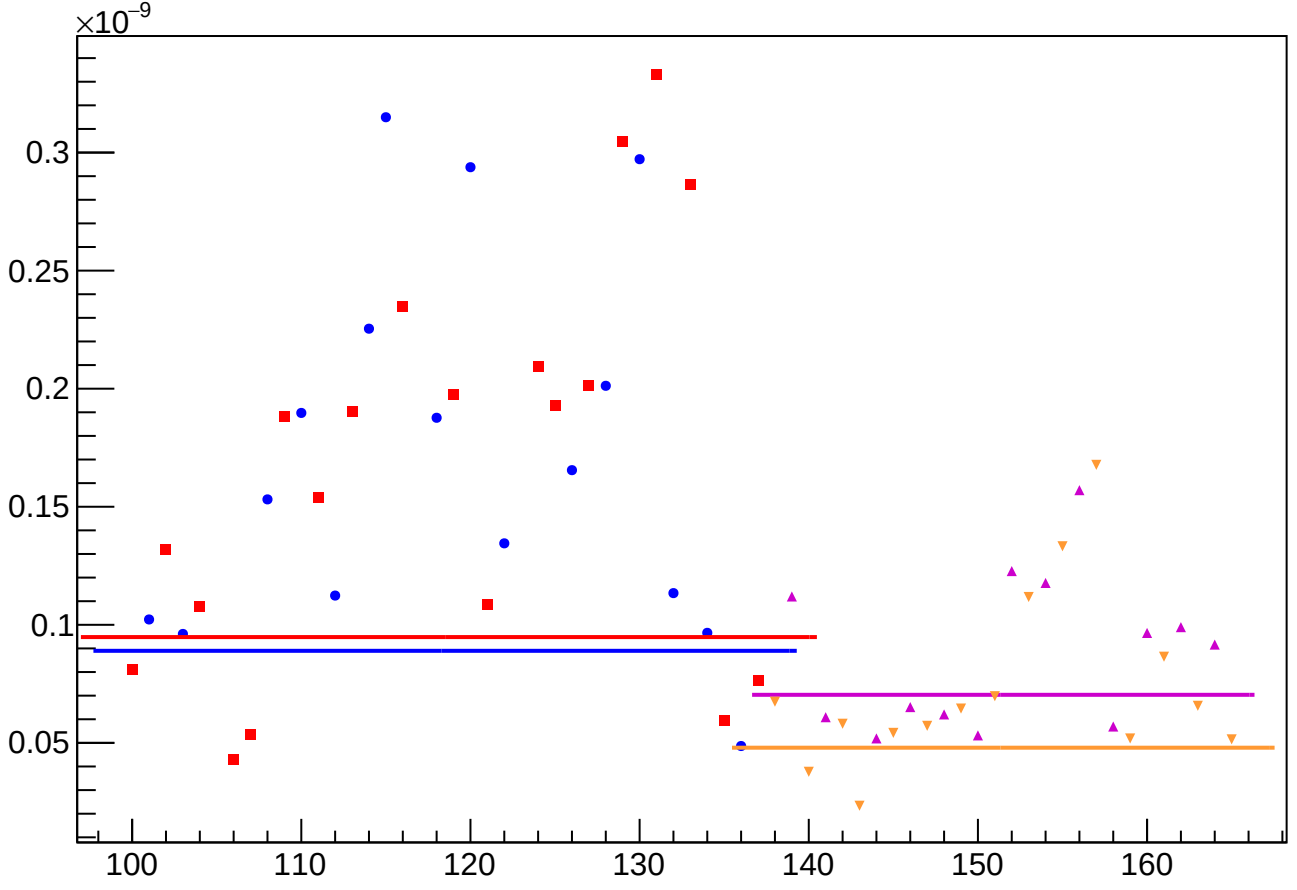
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/30

All: -0.000+/-0.000 χ^2/NDF: 54.6/62

- sign -0.000+/-0.000 χ^2/NDF: 24.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915511.9/14

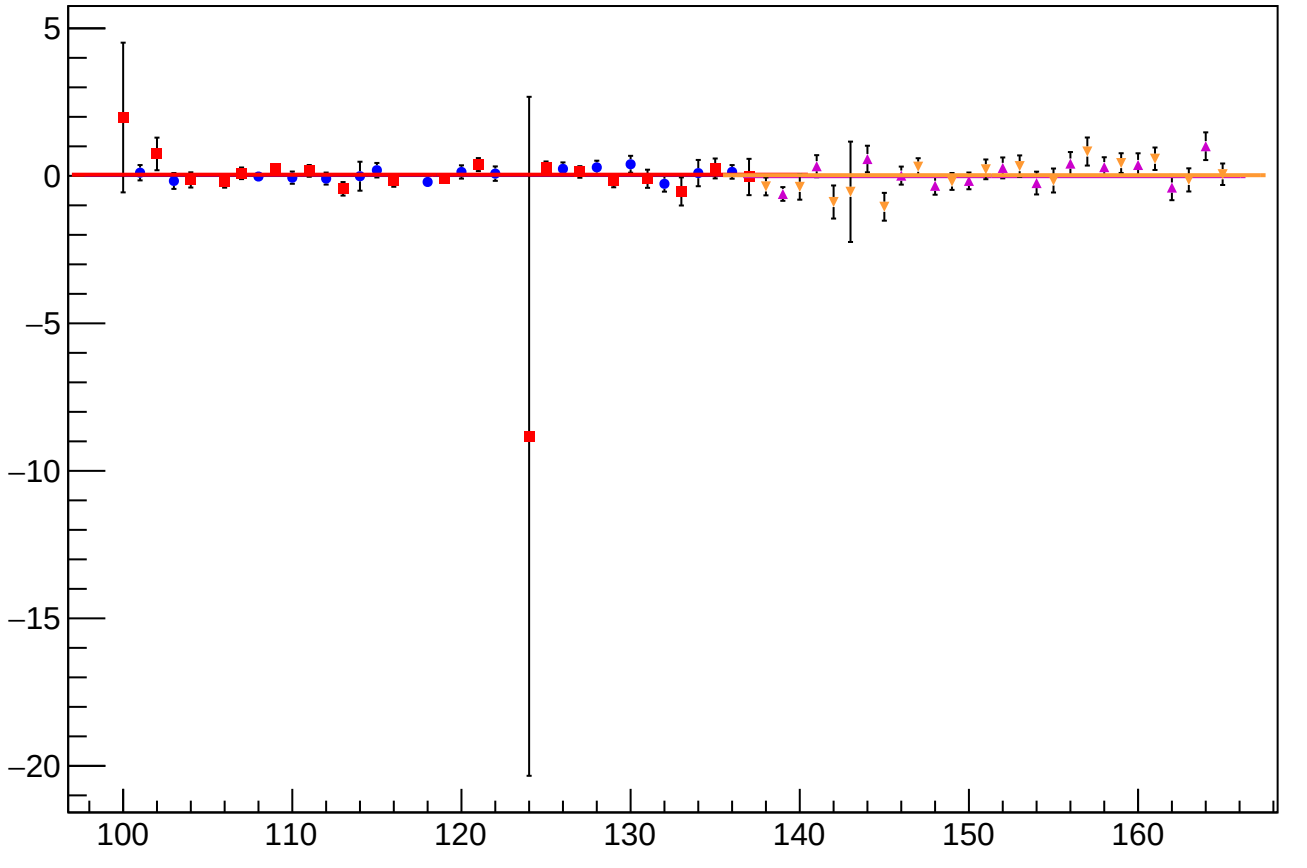
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4189814.1/30

All: 0.000+/-0.000 χ^2/NDF: 7712705.1/62

- sign 0.000+/-0.000 χ^2/NDF: 2904932.6/31



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

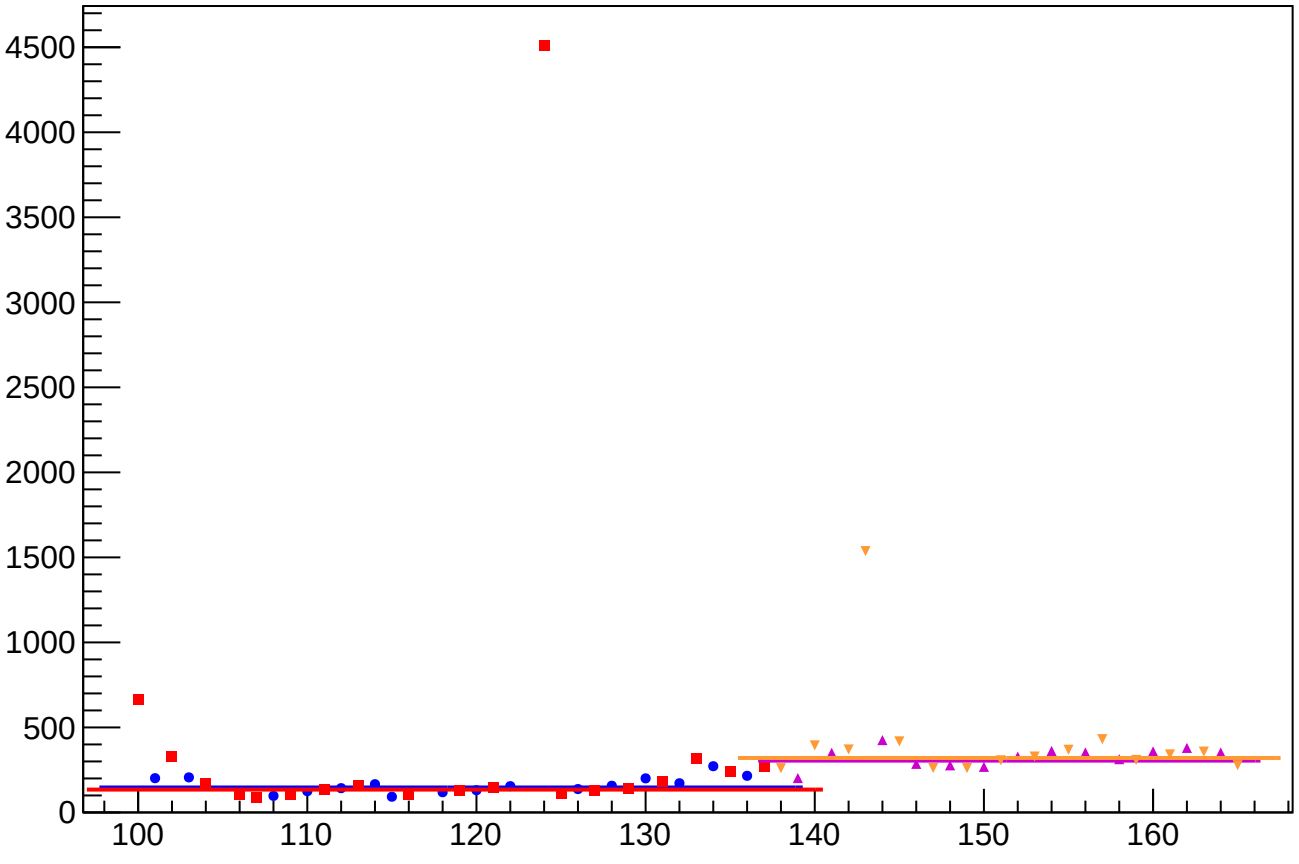
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

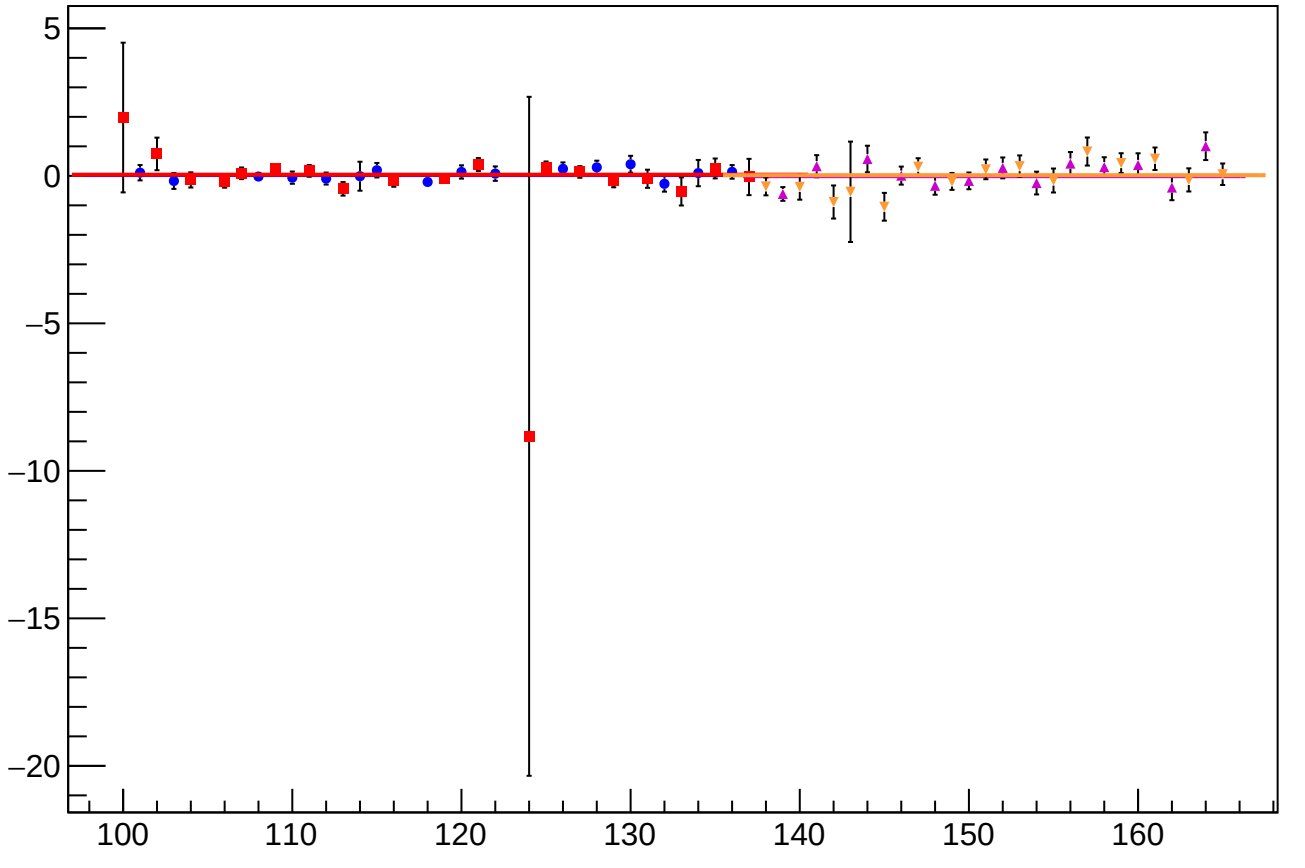
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328092.3/30

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

- sign 177.090+/-0.034 χ^2/NDF: 7265782.6/31



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

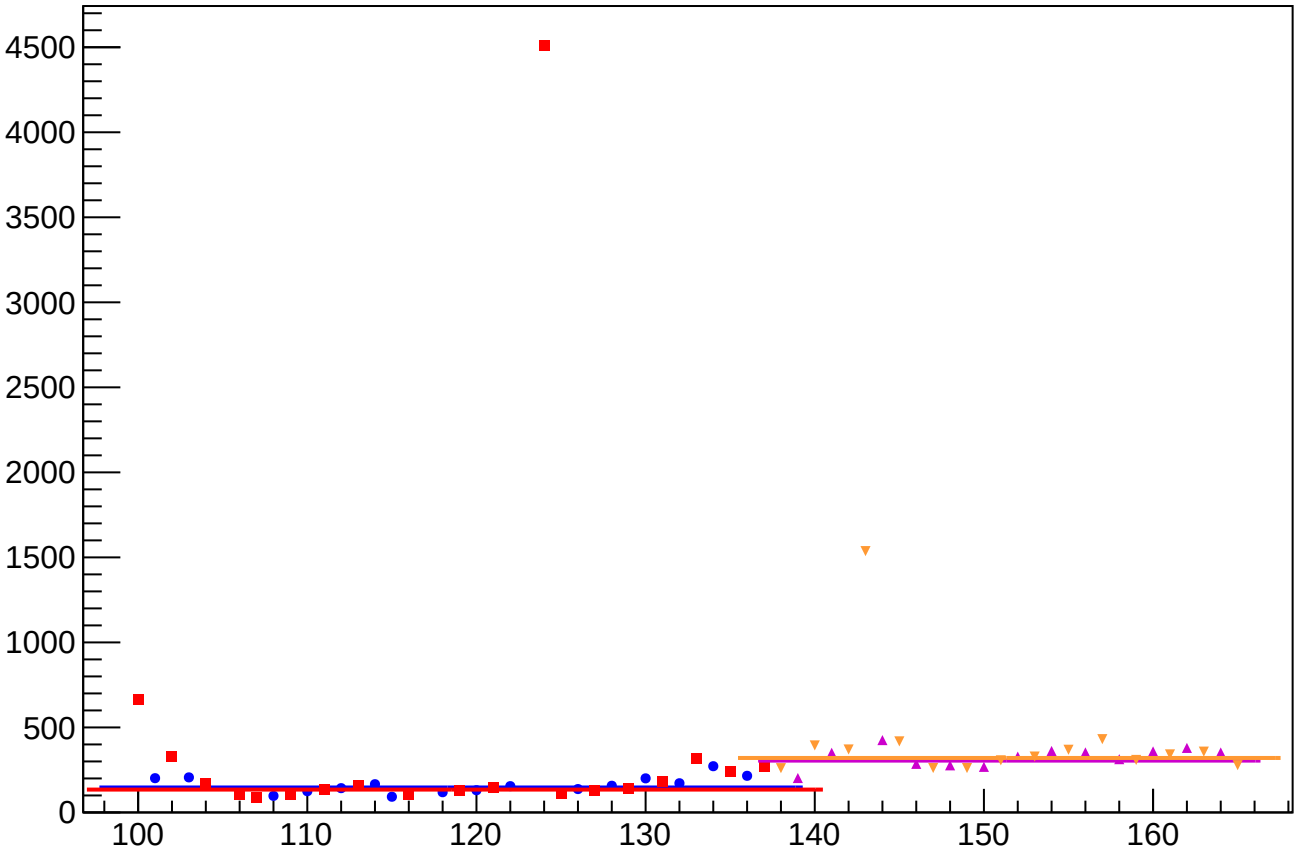
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

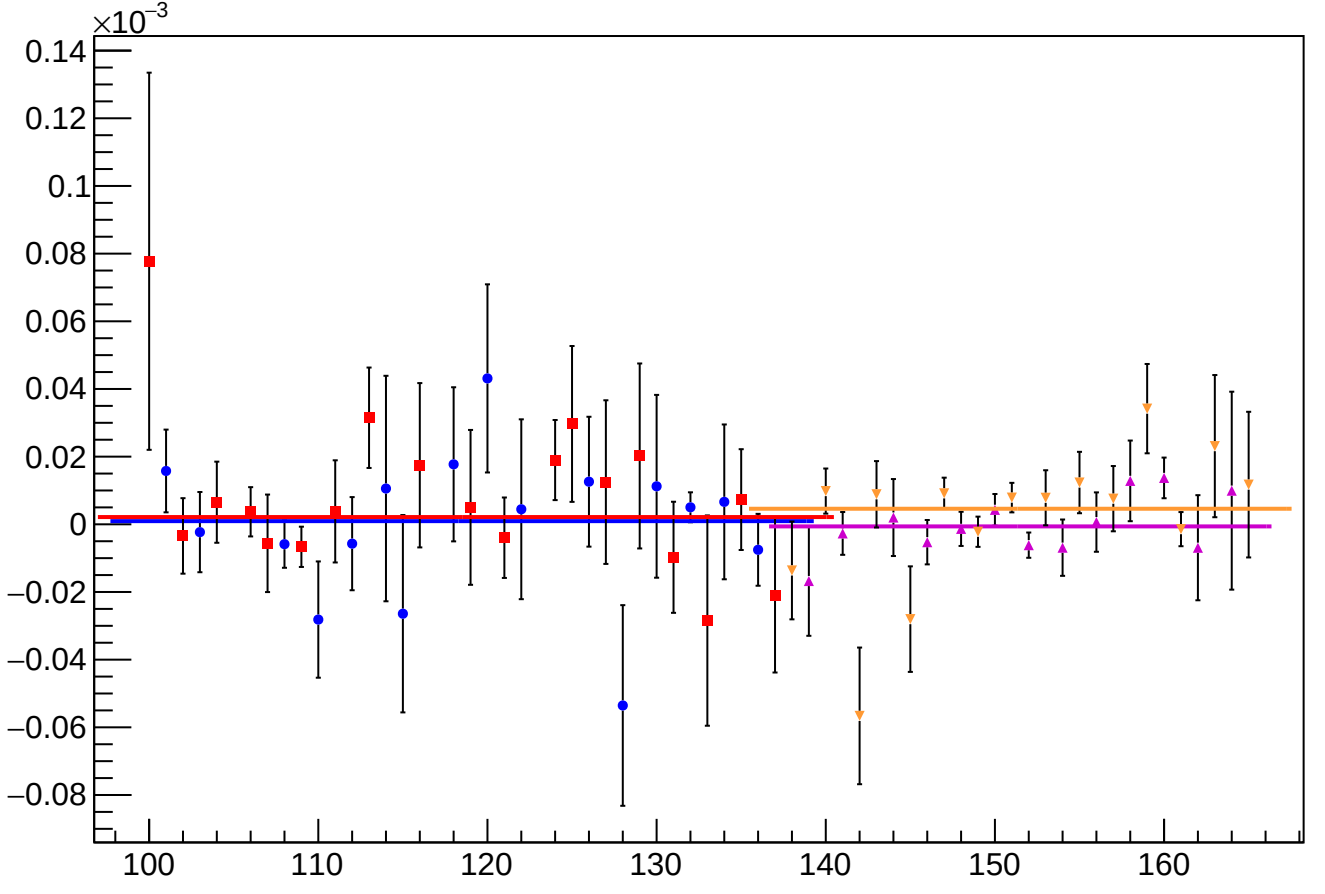
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328092.3/30

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

- sign 177.090+/-0.034 χ^2/NDF: 7265782.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/14

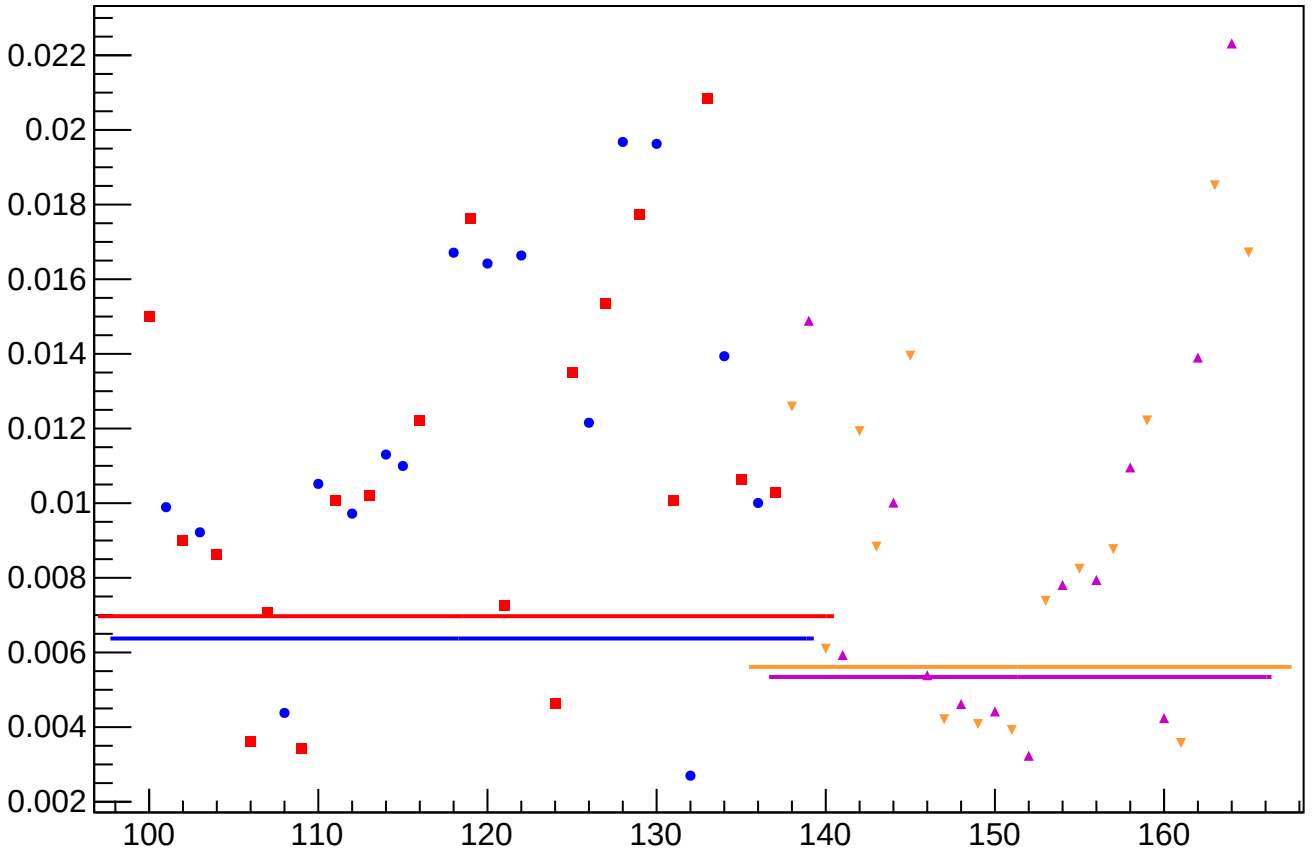
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/30

All: 0.000+/-0.000 χ^2/NDF: 75.8/62

- sign 0.000+/-0.000 χ^2/NDF: 29.5/31



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4768189.6/14

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

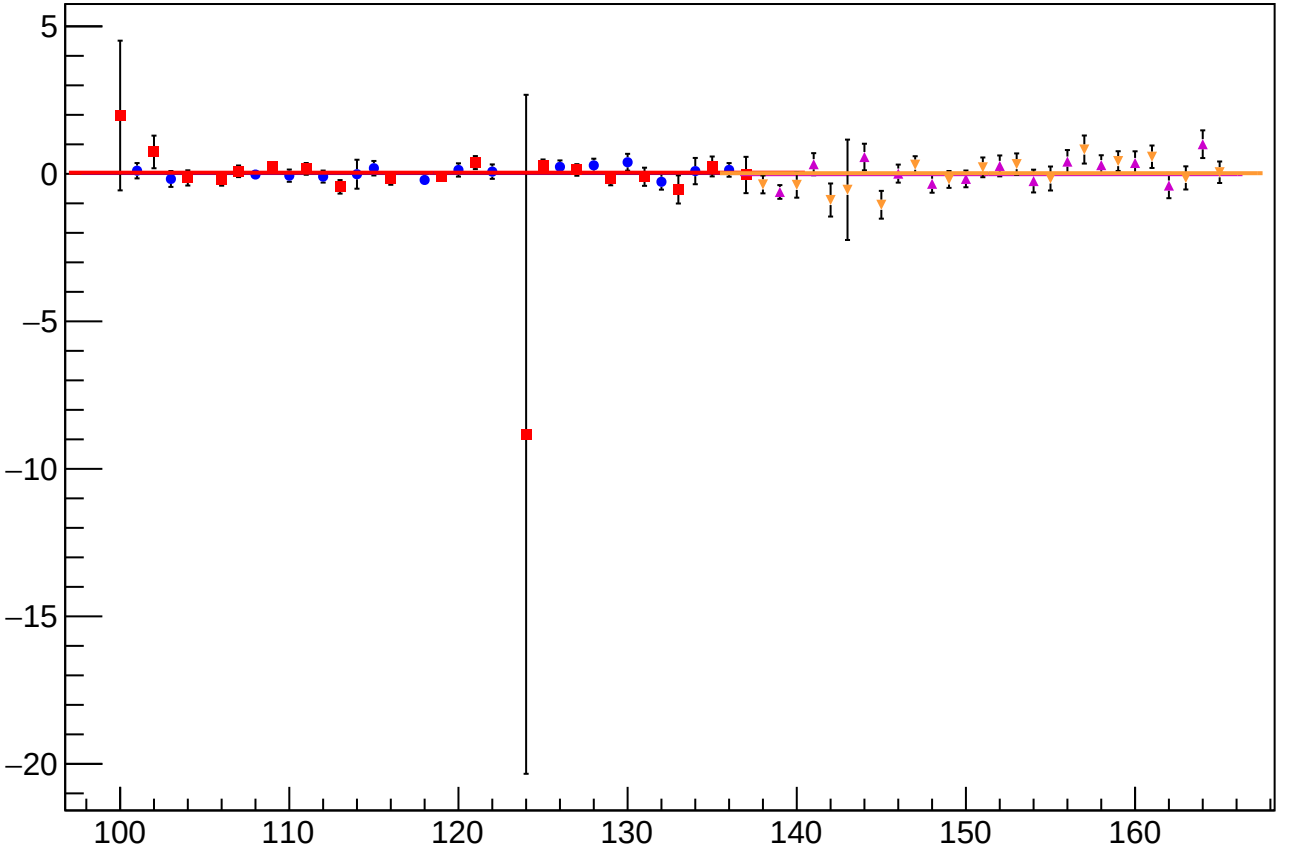
Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

+ sign 0.006+/-0.000 χ^2/NDF: 9503492.3/30

All: 0.006+/-0.000 χ^2/NDF: 17285637.8/62

- sign 0.006+/-0.000 χ^2/NDF: 7781557.4/31

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

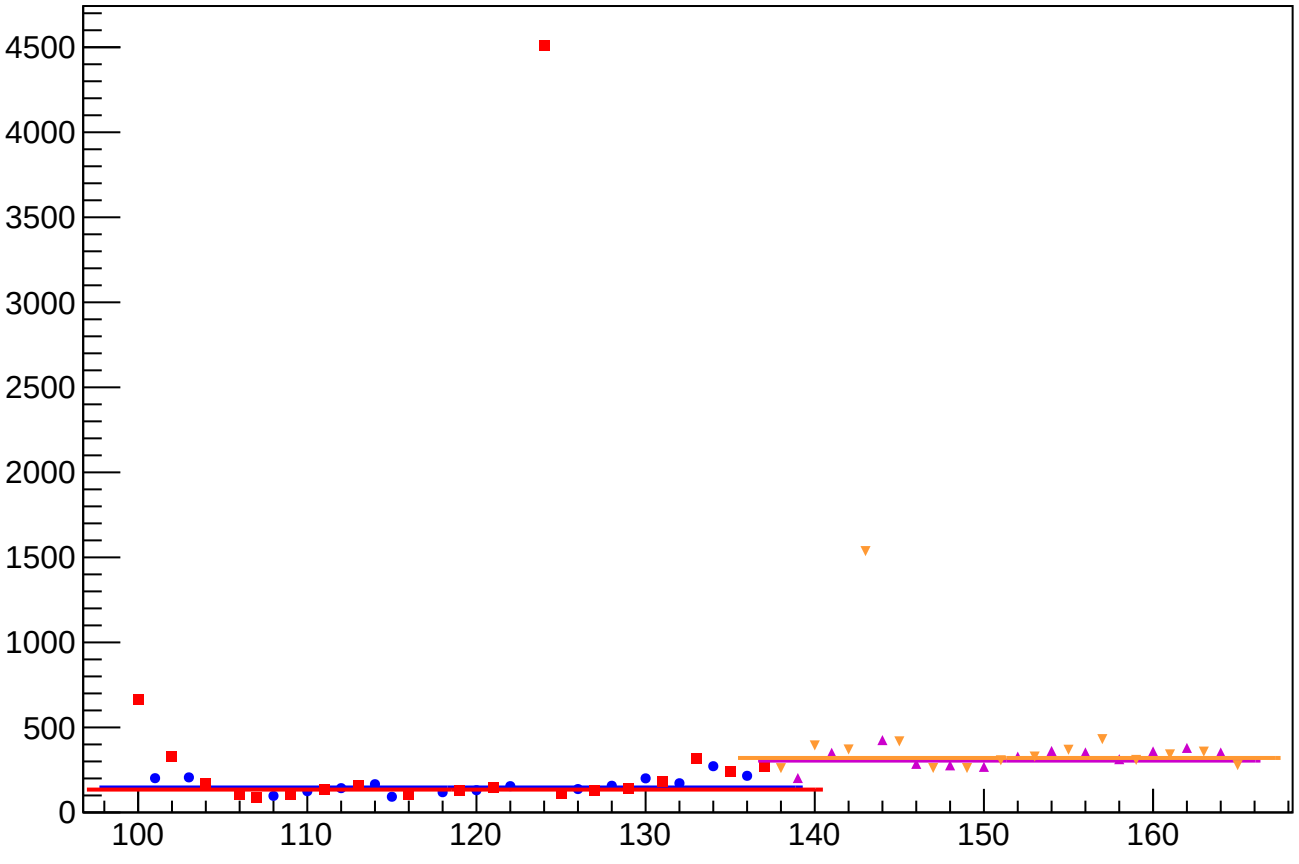
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

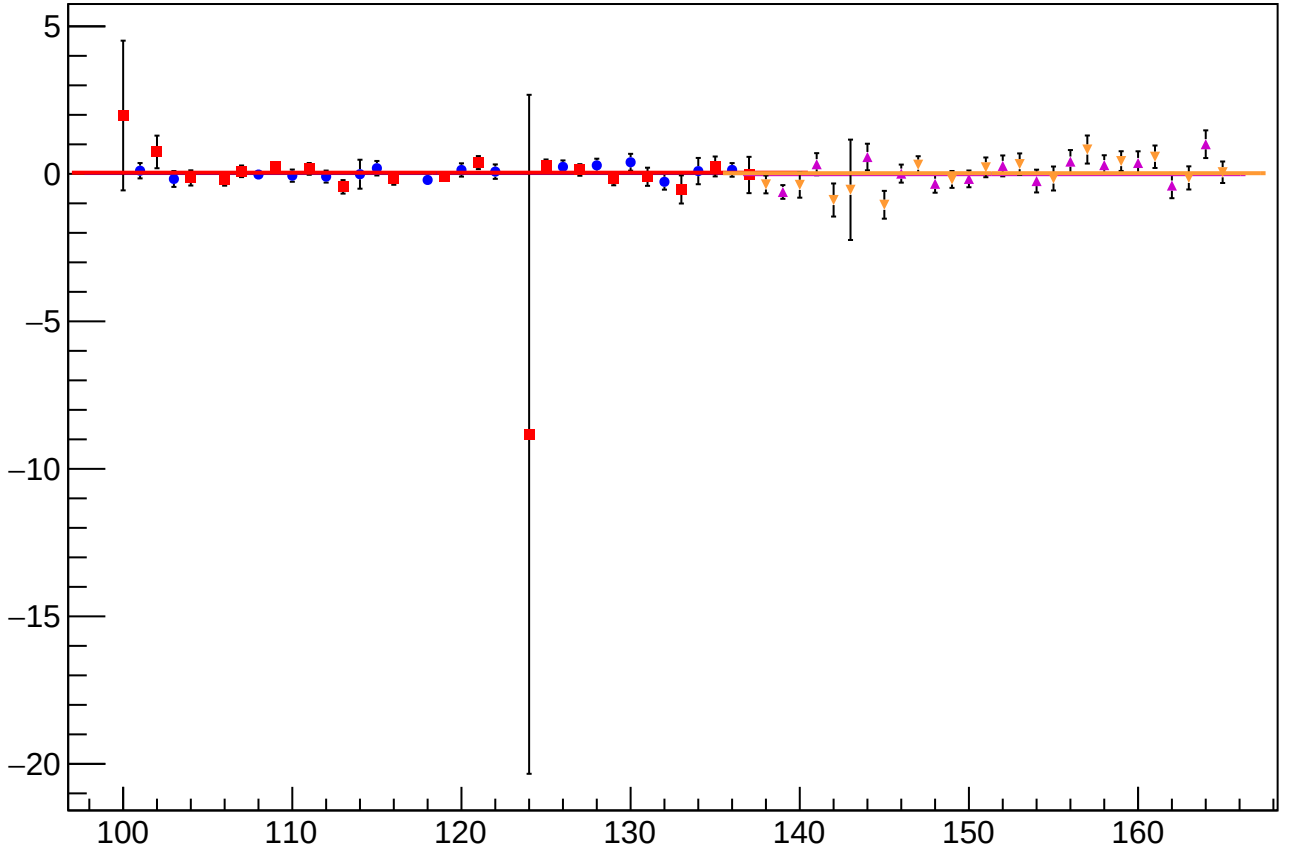
Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328199.4/30

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

- sign 177.091+/-0.034 χ^2/NDF: 7265765.7/31

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: 0.022+/-0.097 χ^2/NDF:19.8/14

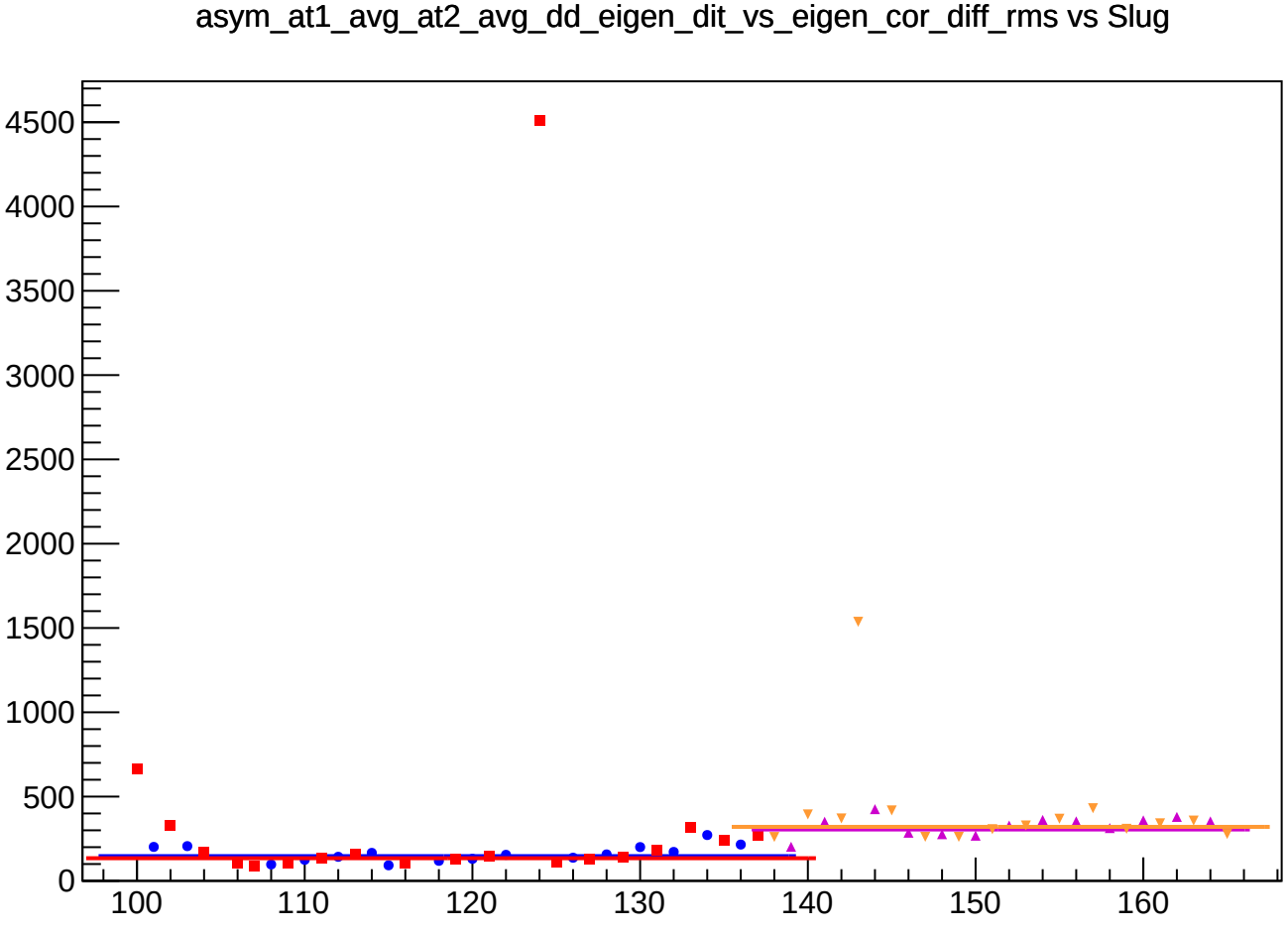
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

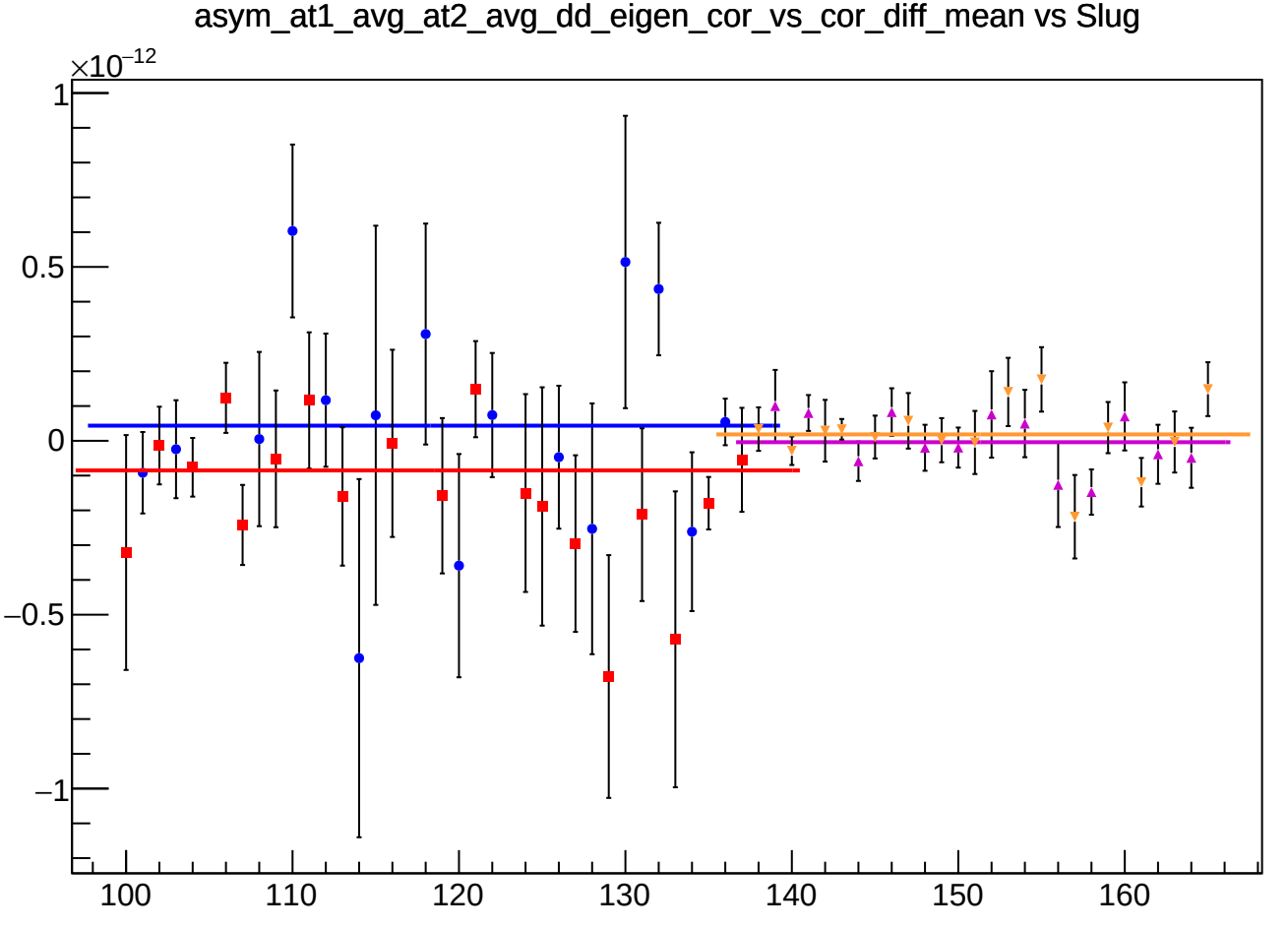
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328199.4/30

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

- sign 177.091+/-0.034 χ^2/NDF: 7265765.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

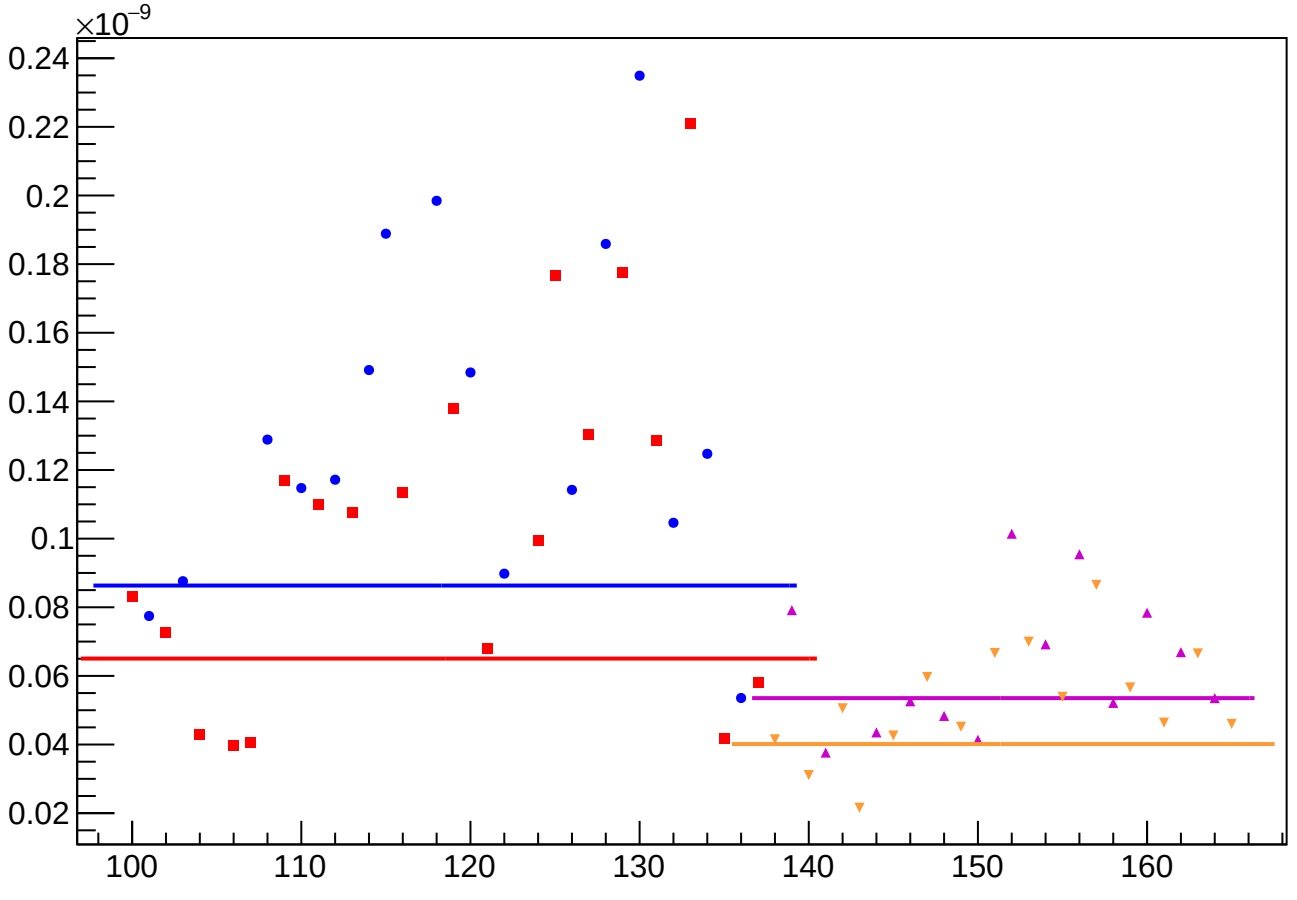
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/30

All: 0.000+/-0.000 χ^2/NDF: 76.9/62

- sign -0.000+/-0.000 χ^2/NDF: 36.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2052820.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

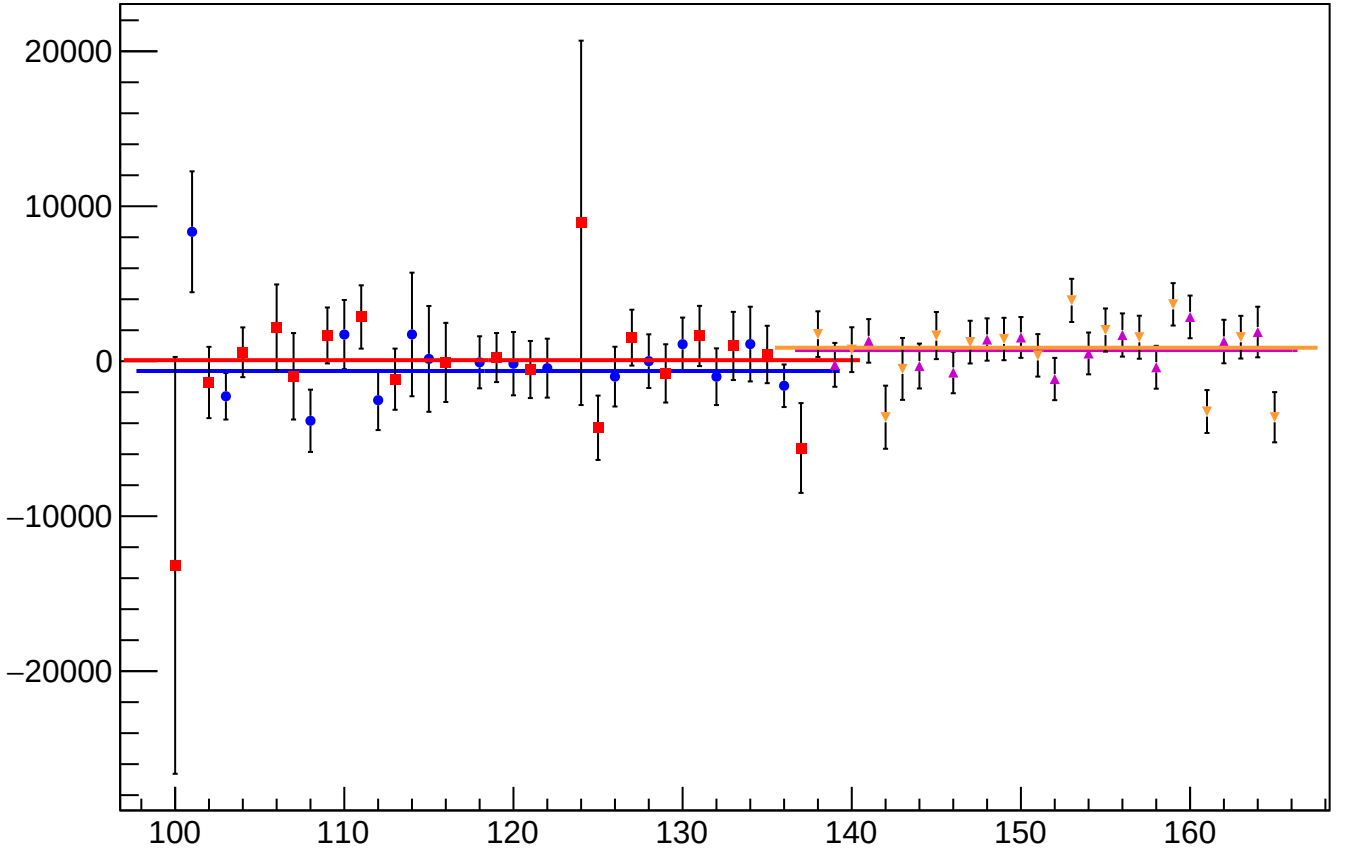
Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 5665970.5/30

All: 0.000+/-0.000 χ^2/NDF: 9664134.1/62

- sign 0.000+/-0.000 χ^2/NDF: 3568660.5/31

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.075+/-378.768 χ^2/NDF:33.0/14

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

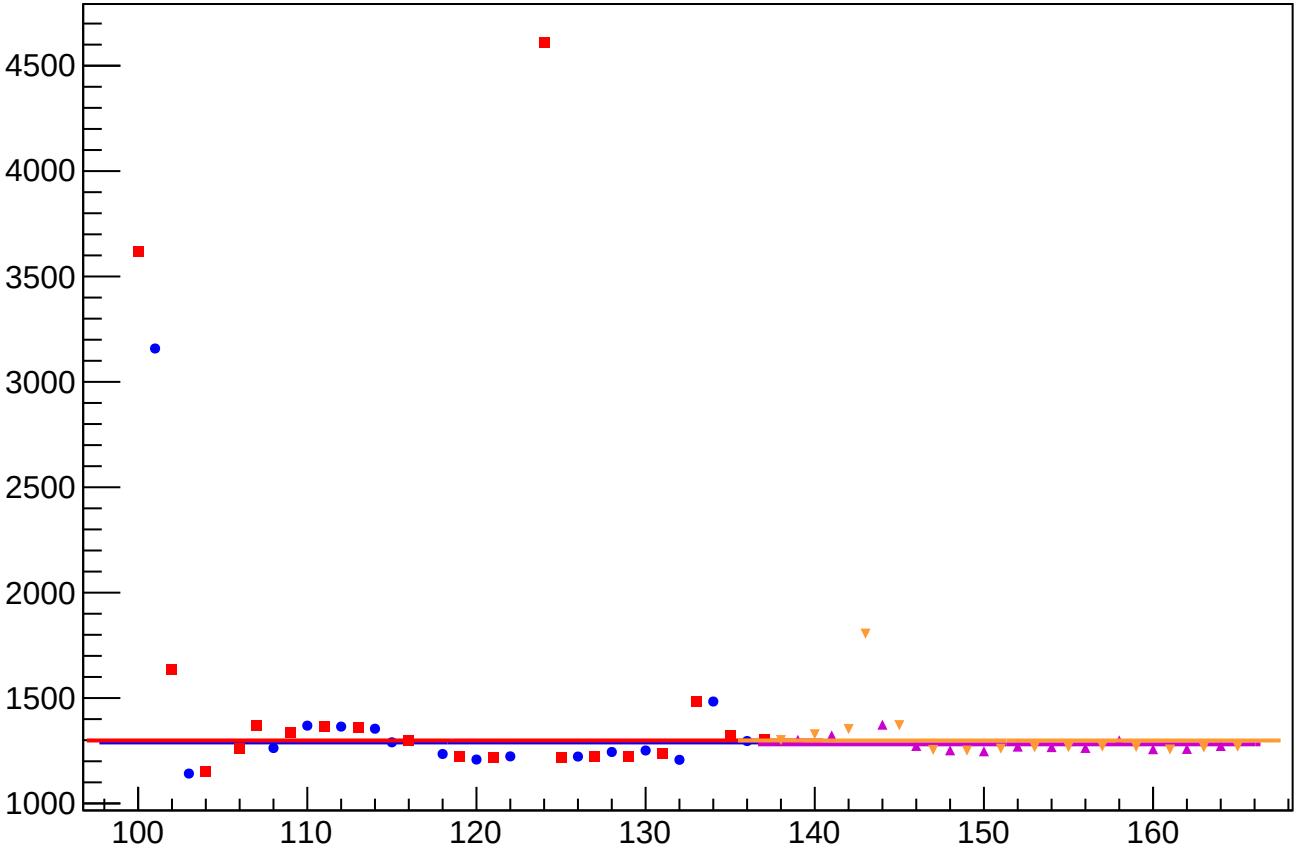
Left In: 720.669+/-386.715 χ^2/NDF:9.0/12

+ sign 307.313+/-299.368 χ^2/NDF: 52.8/30

All: 386.985+/-212.968 χ^2/NDF: 78.9/62

- sign 468.618+/-303.030 χ^2/NDF: 26.0/31

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

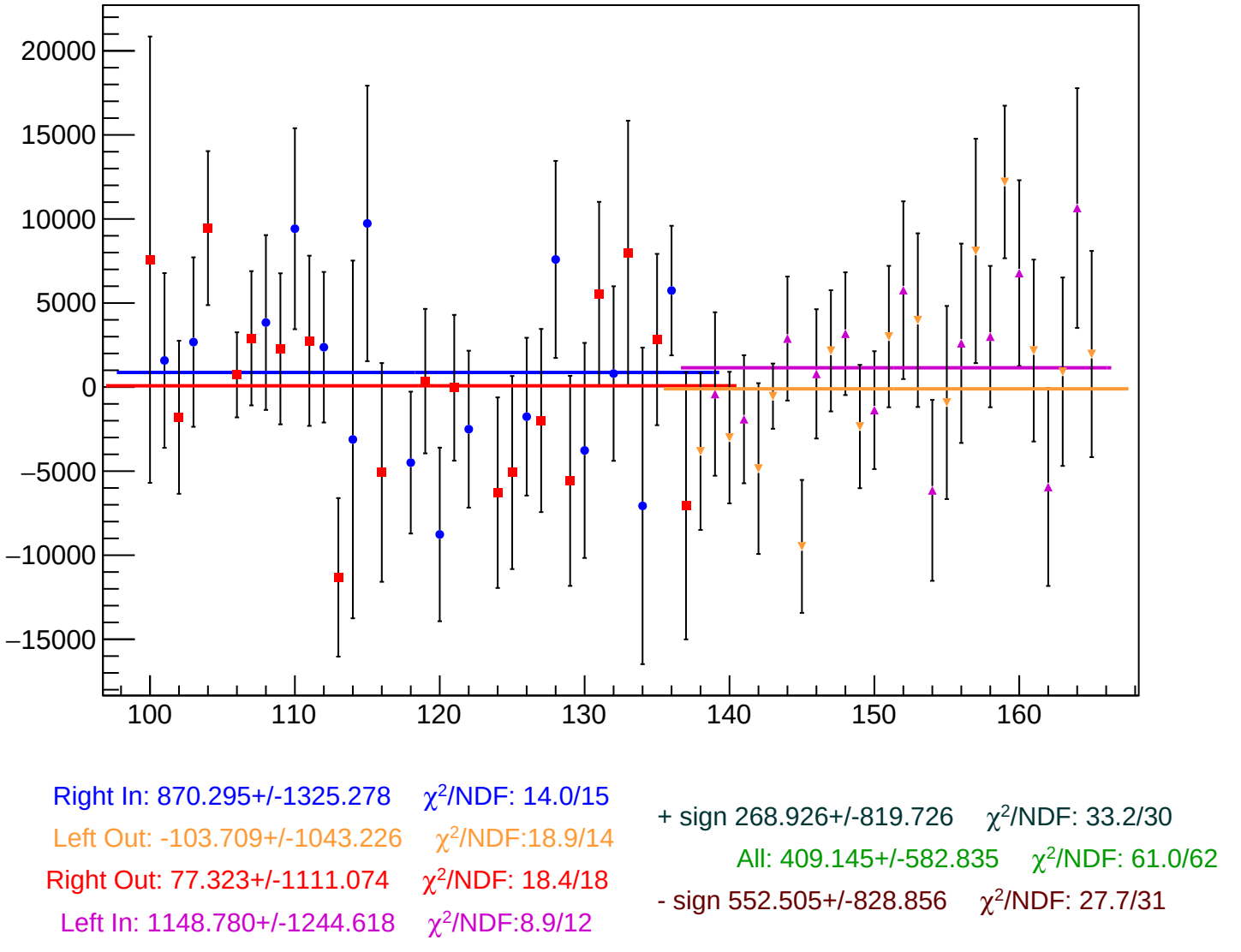
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

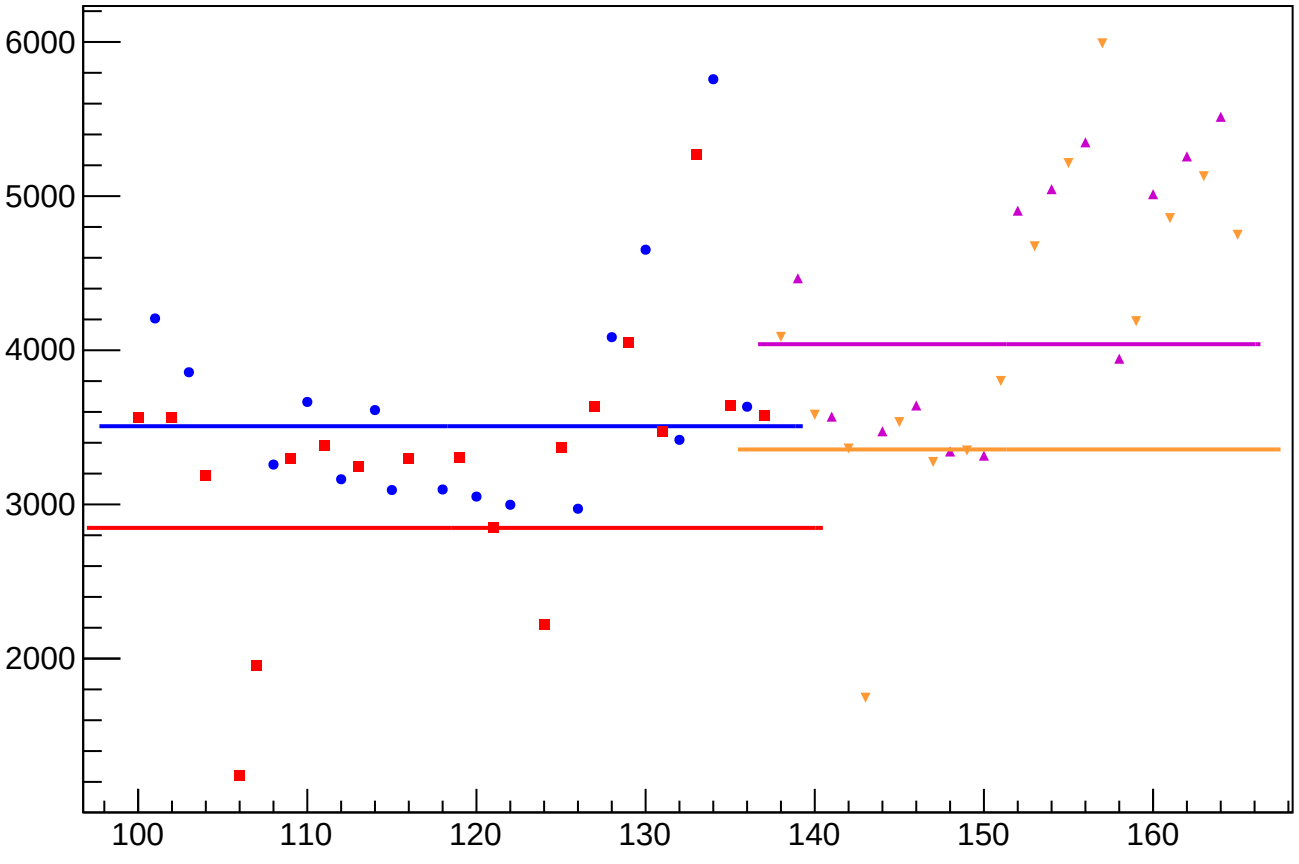
Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1295.157+/-0.212 χ^2/NDF: 664480.9/30

All: 1291.375+/-0.151 χ^2/NDF: 1001028.9/62

- sign 1287.508+/-0.214 χ^2/NDF: 335902.4/31


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -103.709+/-1043.226 χ²/NDF:18.9/14
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 1148.780+/-1244.618 χ²/NDF:8.9/12
+ sign 268.926+/-819.726 χ²/NDF: 33.2/30
All: 409.145+/-582.835 χ²/NDF: 61.0/62
- sign 552.505+/-828.856 χ²/NDF: 27.7/31



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3356.570+/-0.738 χ^2/NDF:2637283.8/14

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

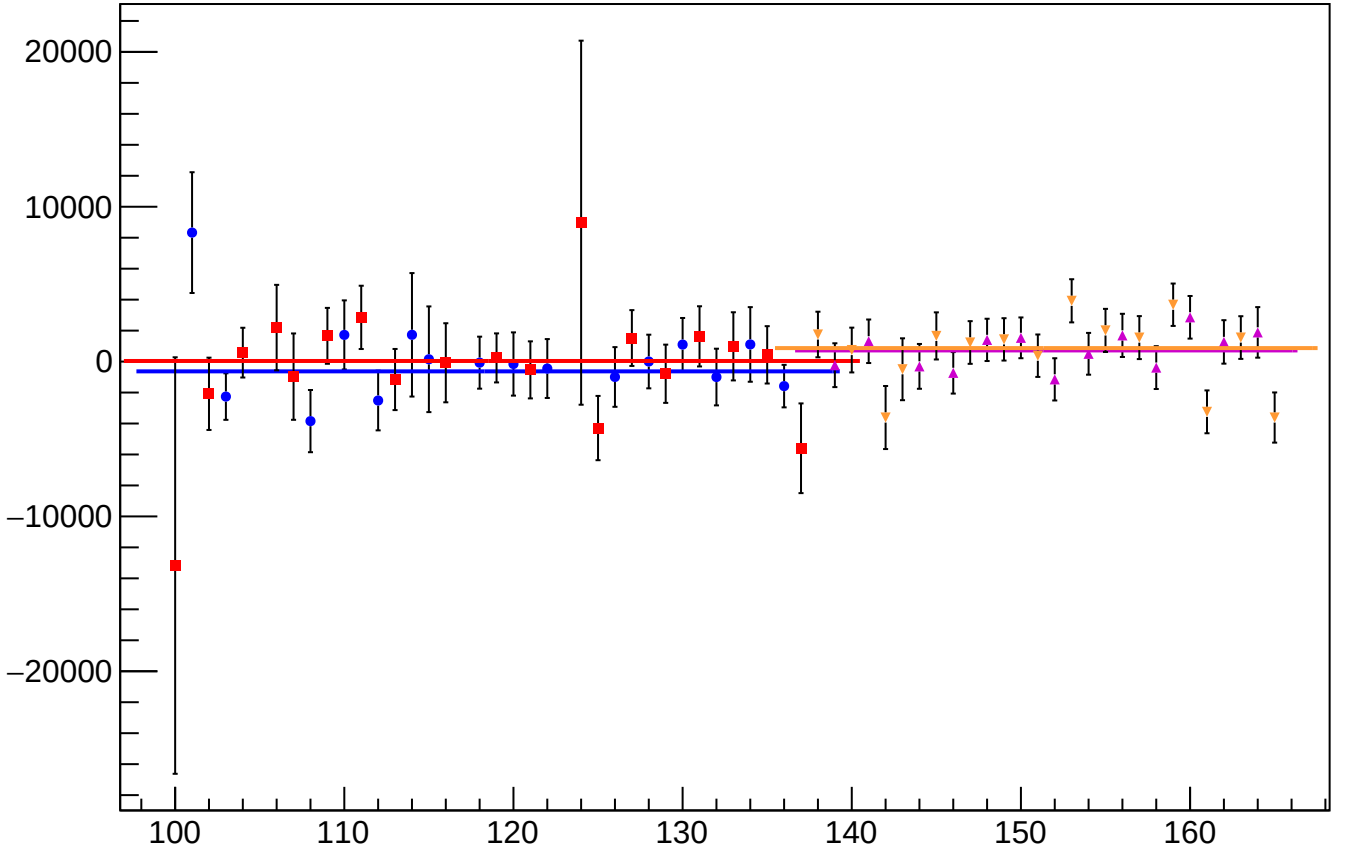
Left In: 4039.434+/-0.880 χ^2/NDF:727696.0/12

+ sign 3414.273+/-0.580 χ^2/NDF: 3007256.9/30

All: 3395.496+/-0.412 χ^2/NDF: 6256663.1/62

- sign 3376.298+/-0.586 χ^2/NDF: 3247283.8/31

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

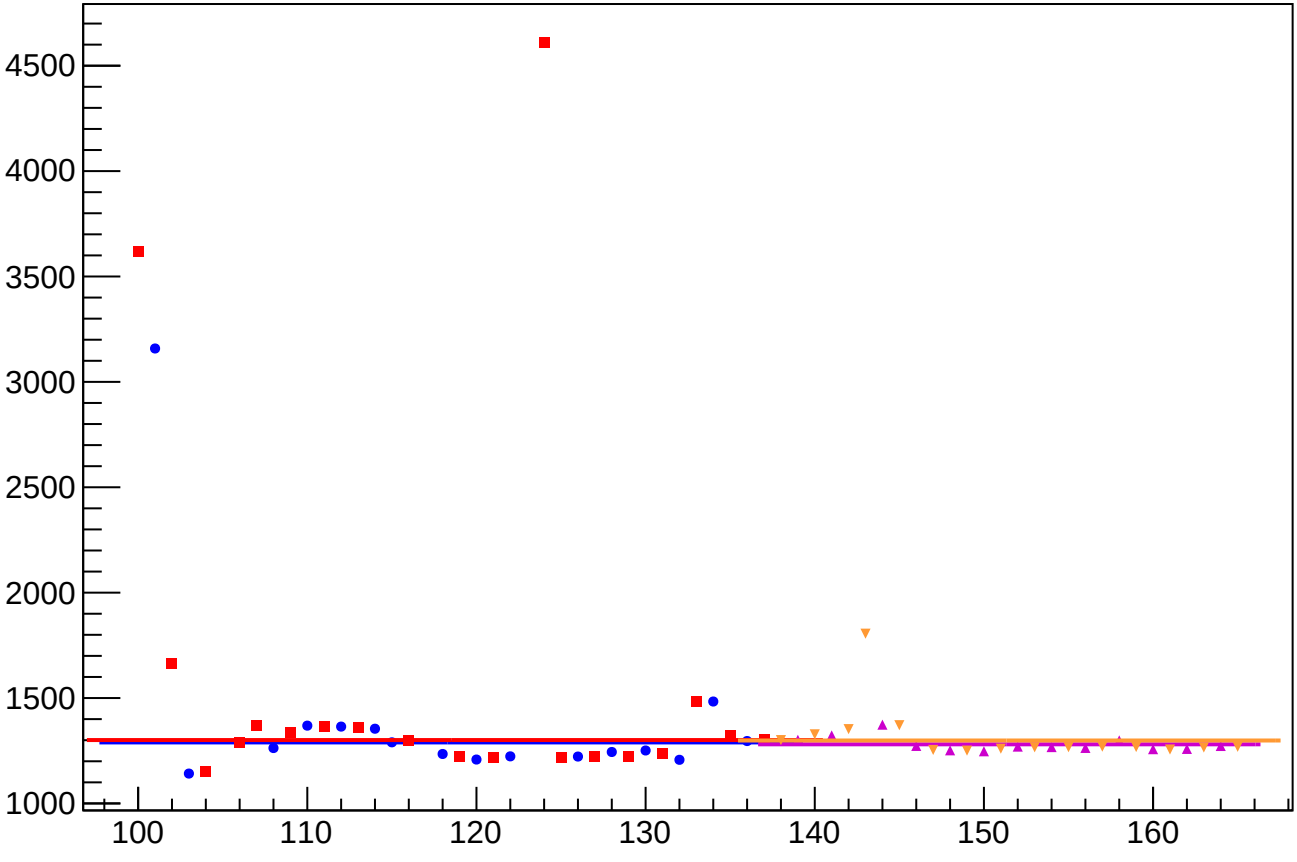
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 307.176+/-299.368 χ^2/NDF: 52.8/30

All: 381.468+/-212.995 χ^2/NDF: 79.4/62

- sign 457.628+/-303.107 χ^2/NDF: 26.6/31

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1298.576+/-0.268 χ^2/NDF:149371.6/14

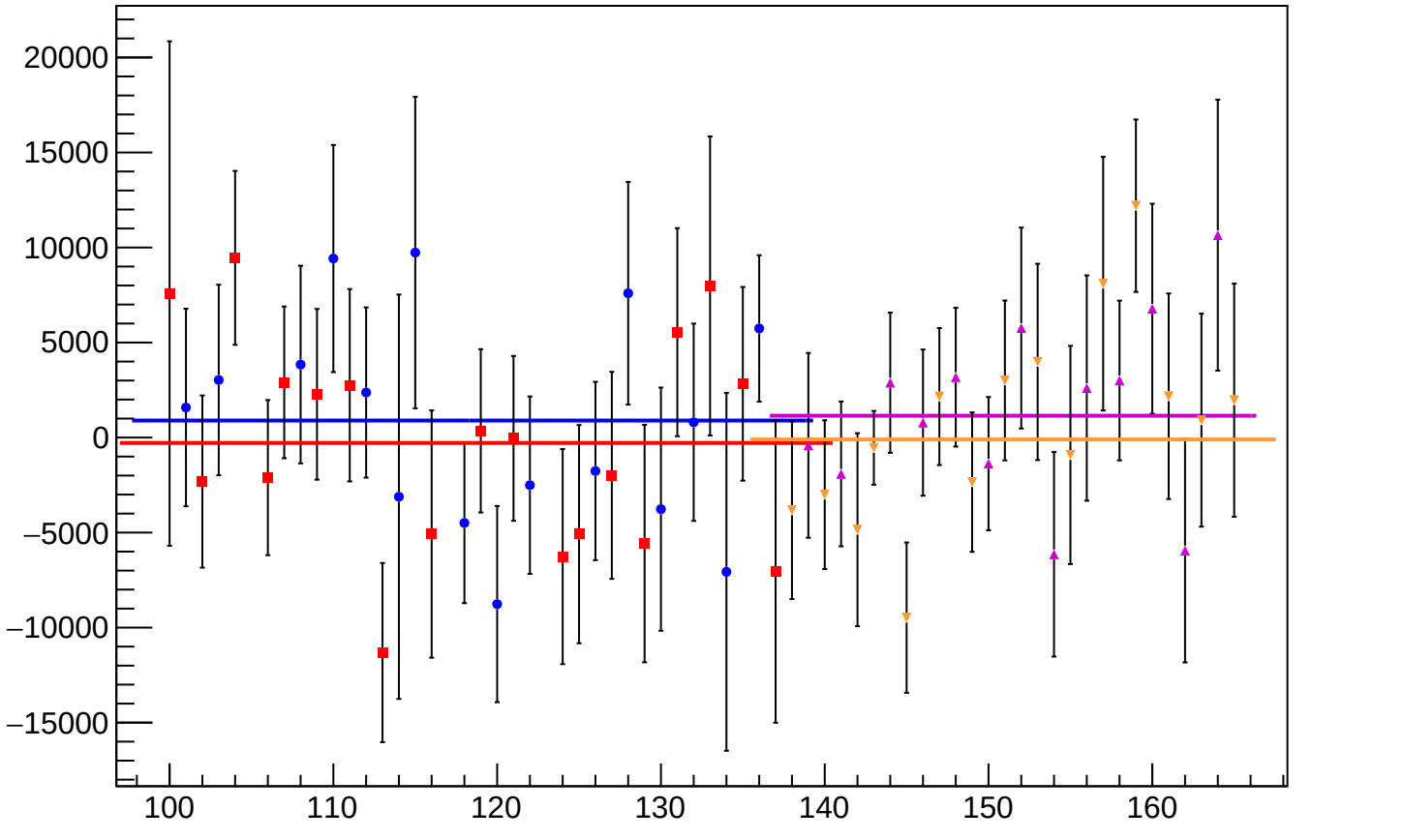
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1295.157+/-0.212 χ^2/NDF: 664482.4/30

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62

- sign 1288.280+/-0.214 χ^2/NDF: 342835.0/31



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -103.617+/-1043.224 χ^2/NDF:18.9/14

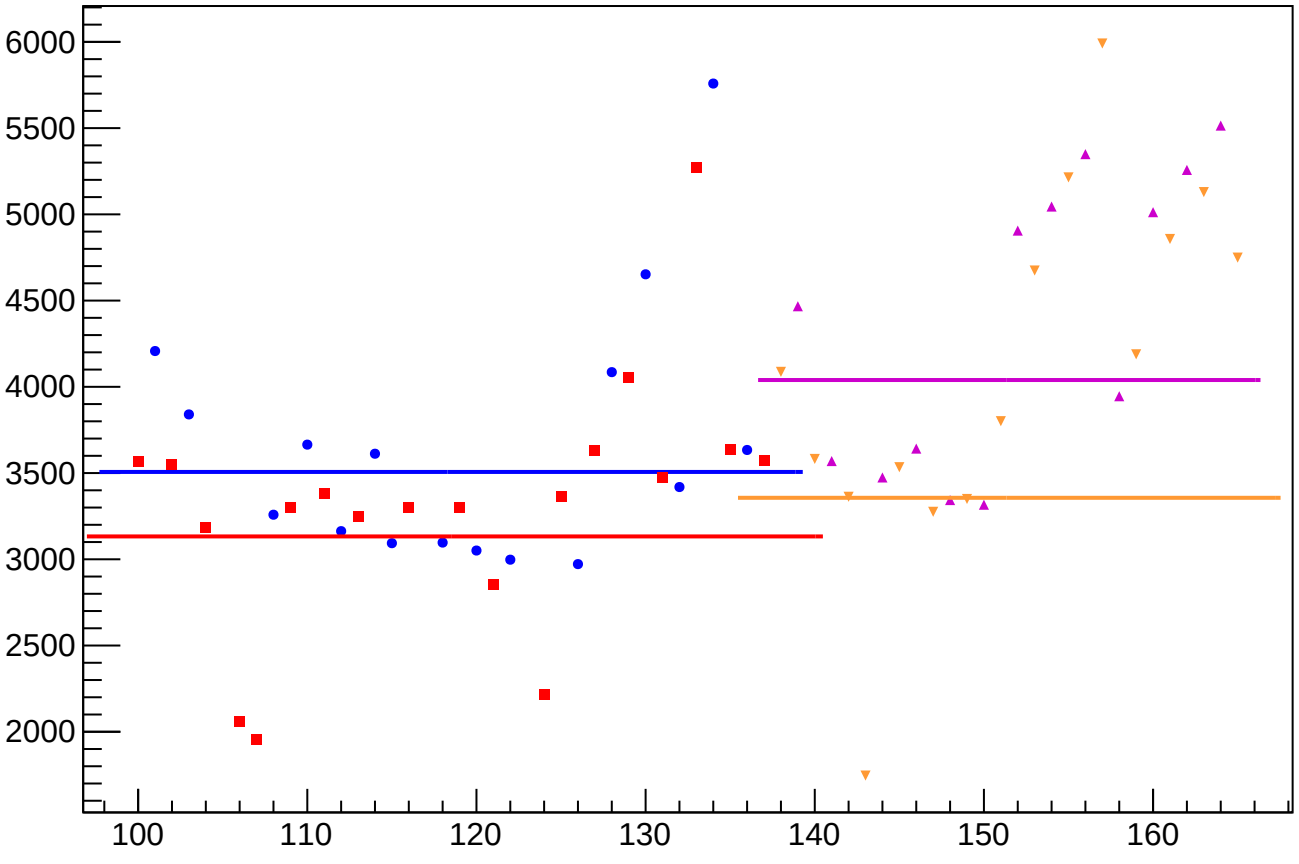
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1148.822+/-1244.617 χ^2/NDF:8.9/12

+ sign 278.985+/-819.617 χ^2/NDF: 33.3/30

All: 334.939+/-592.506 χ^2/NDF: 61.6/62

- sign 396.190+/-857.528 χ^2/NDF: 28.2/31



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

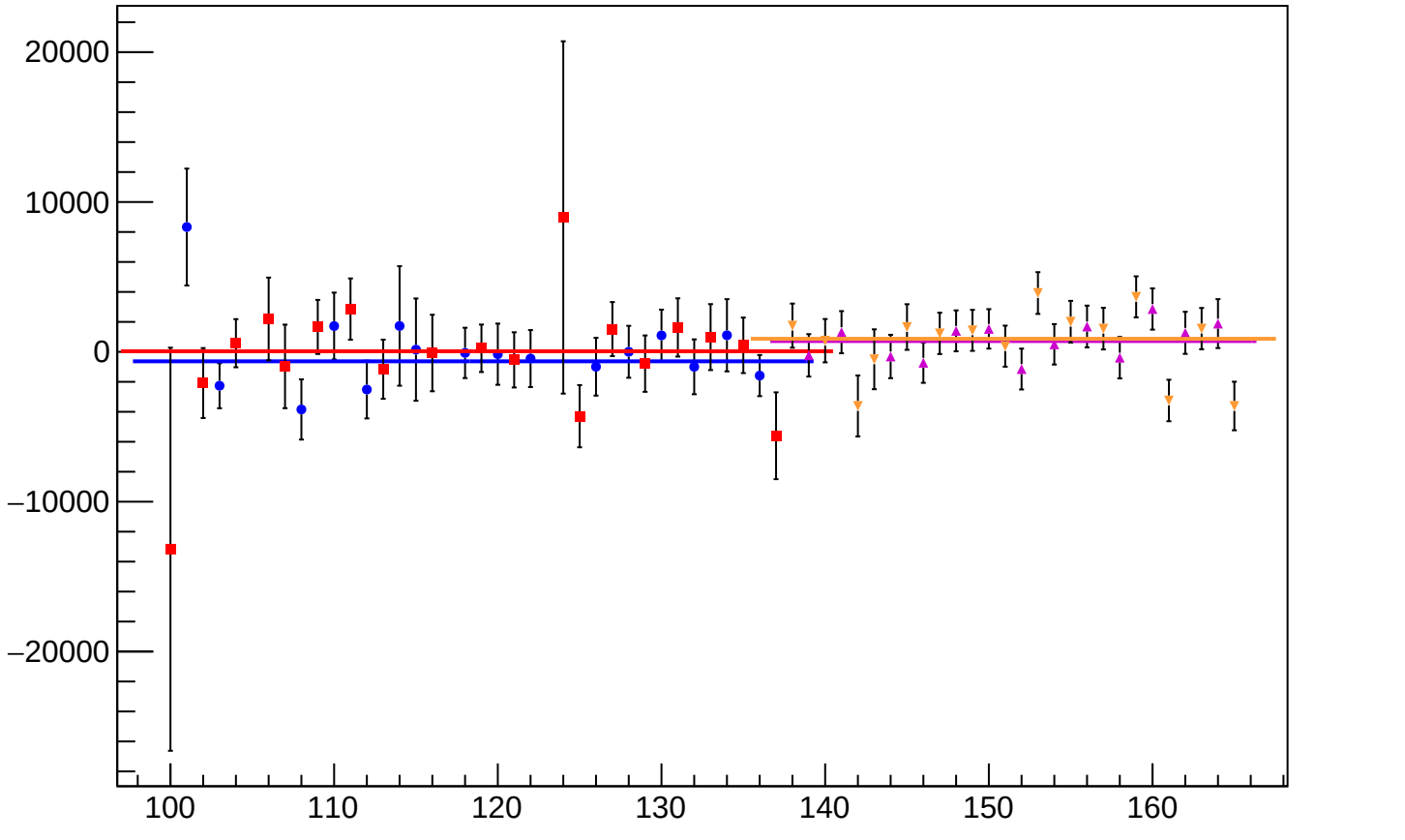
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

\+ sign 3413.942+/-0.580 χ^2/NDF: 3006353.9/30

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62

\- sign 3563.071+/-0.606 χ^2/NDF: 1935039.9/31



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 871.086+/-378.768 χ^2/NDF:33.0/14

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

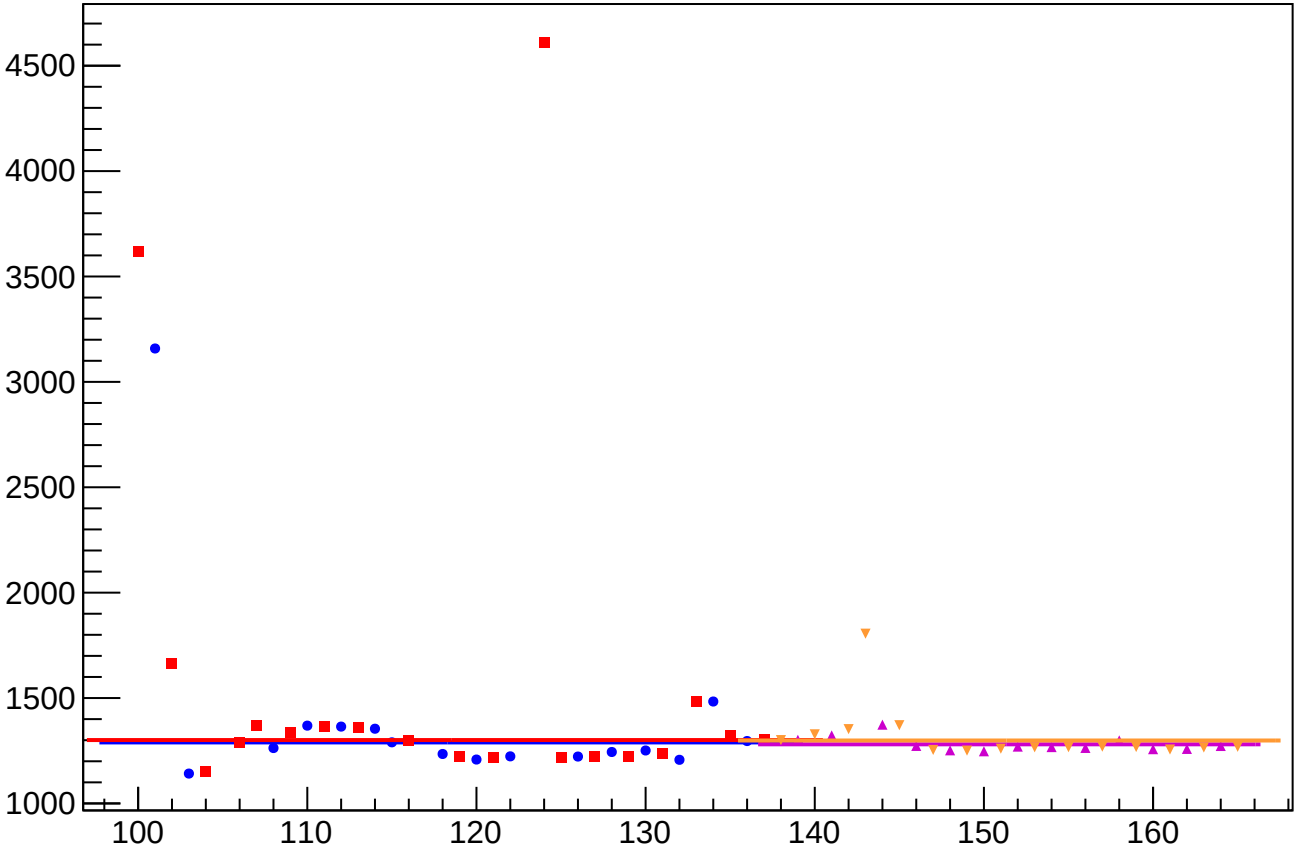
Left In: 720.663+/-386.715 χ^2/NDF:9.0/12

+ sign 307.176+/-299.368 χ^2/NDF: 52.8/30

All: 381.468+/-212.995 χ^2/NDF: 79.4/62

- sign 457.628+/-303.107 χ^2/NDF: 26.6/31

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: 1298.576+/-0.268 χ^2/NDF:149371.6/14

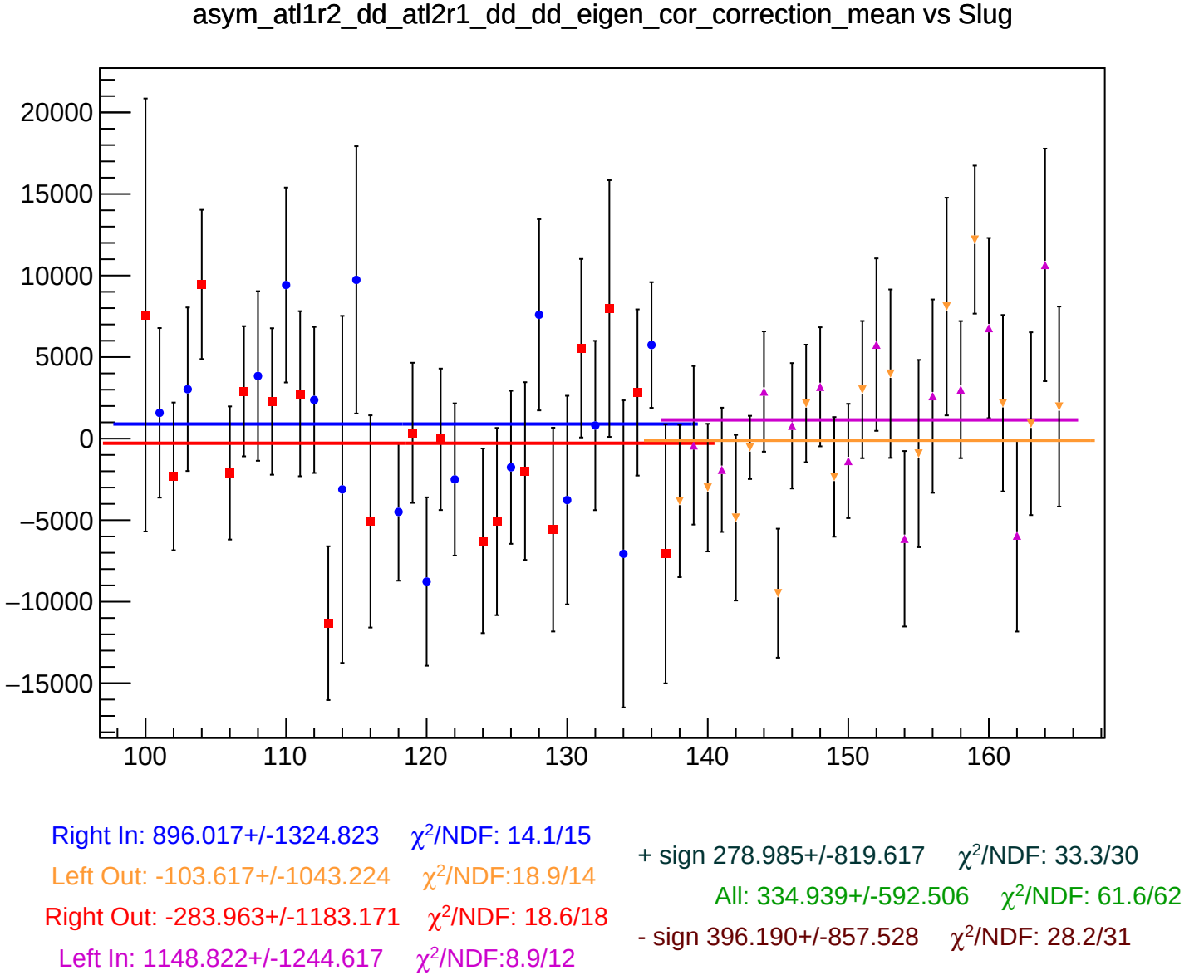
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

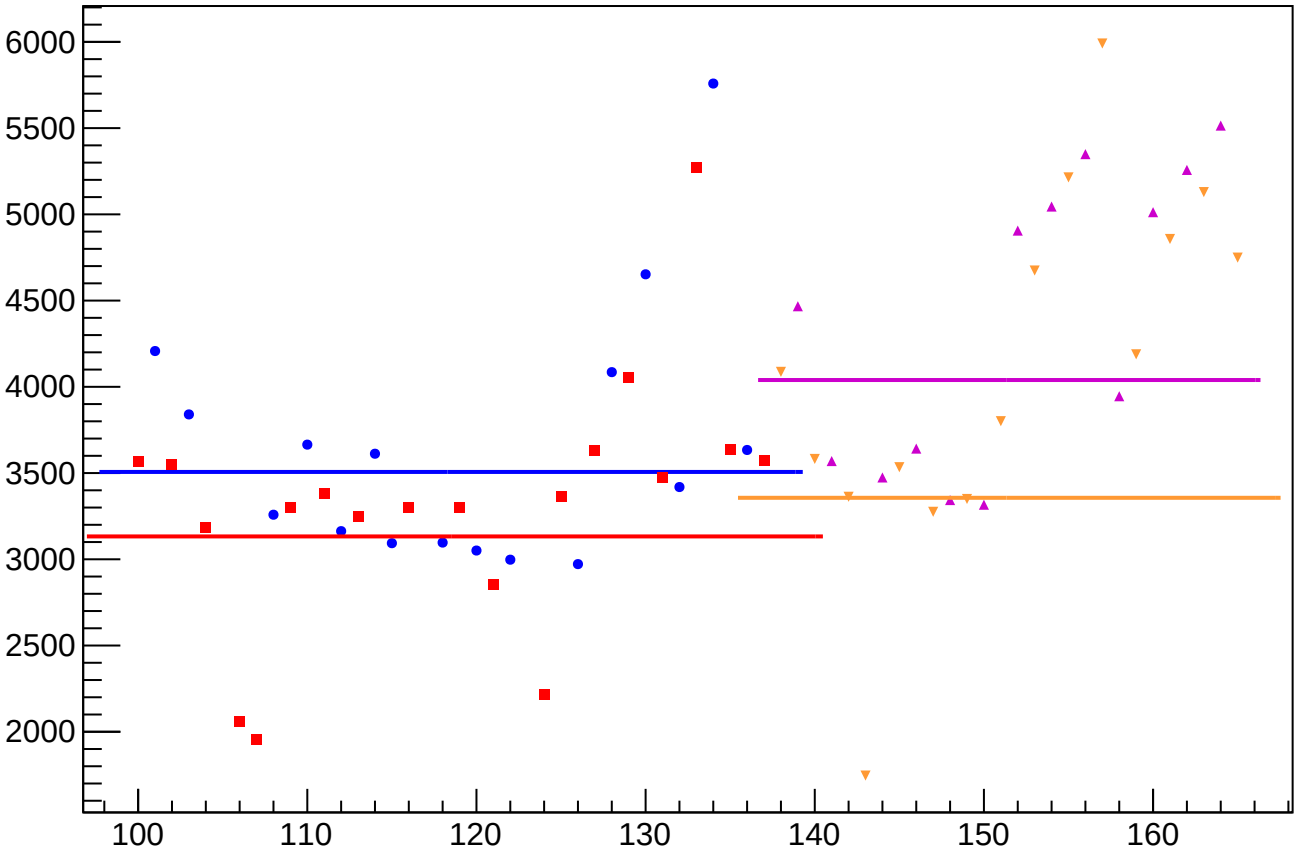
Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

+ sign 1295.157+/-0.212 χ^2/NDF: 664482.4/30

All: 1291.759+/-0.151 χ^2/NDF: 1007838.9/62

- sign 1288.280+/-0.214 χ^2/NDF: 342835.0/31


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -103.617+/-1043.224 χ²/NDF:18.9/14
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1148.822+/-1244.617 χ²/NDF:8.9/12
+ sign 278.985+/-819.617 χ²/NDF: 33.3/30
All: 334.939+/-592.506 χ²/NDF: 61.6/62
- sign 396.190+/-857.528 χ²/NDF: 28.2/31



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3356.559+/-0.738 χ^2/NDF:2637306.3/14

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

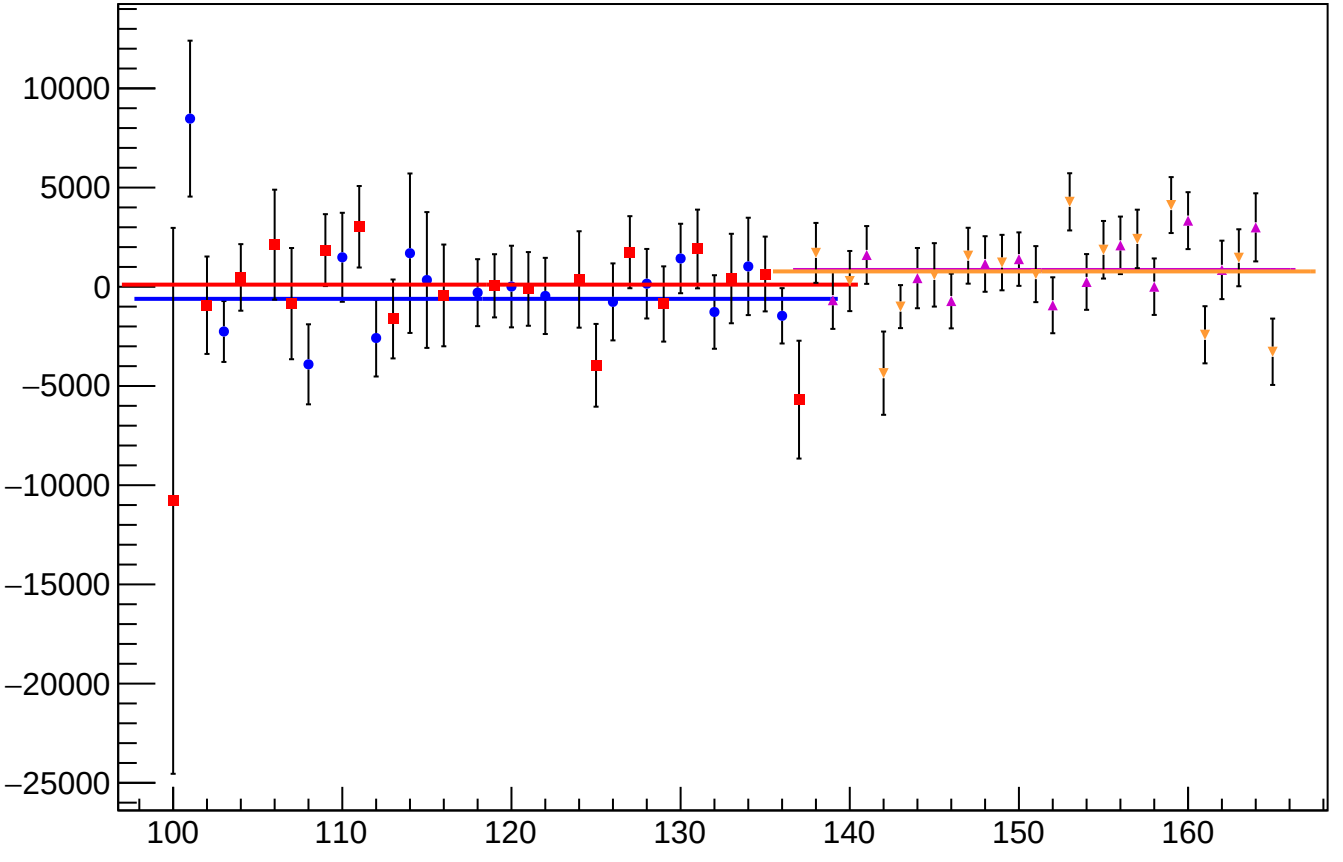
Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

\+ sign 3413.942+/-0.580 χ^2/NDF: 3006353.9/30

All: 3485.137+/-0.419 χ^2/NDF: 4973003.9/62

\- sign 3563.071+/-0.606 χ^2/NDF: 1935039.9/31

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.962+/-375.142 χ^2/NDF:33.9/14

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

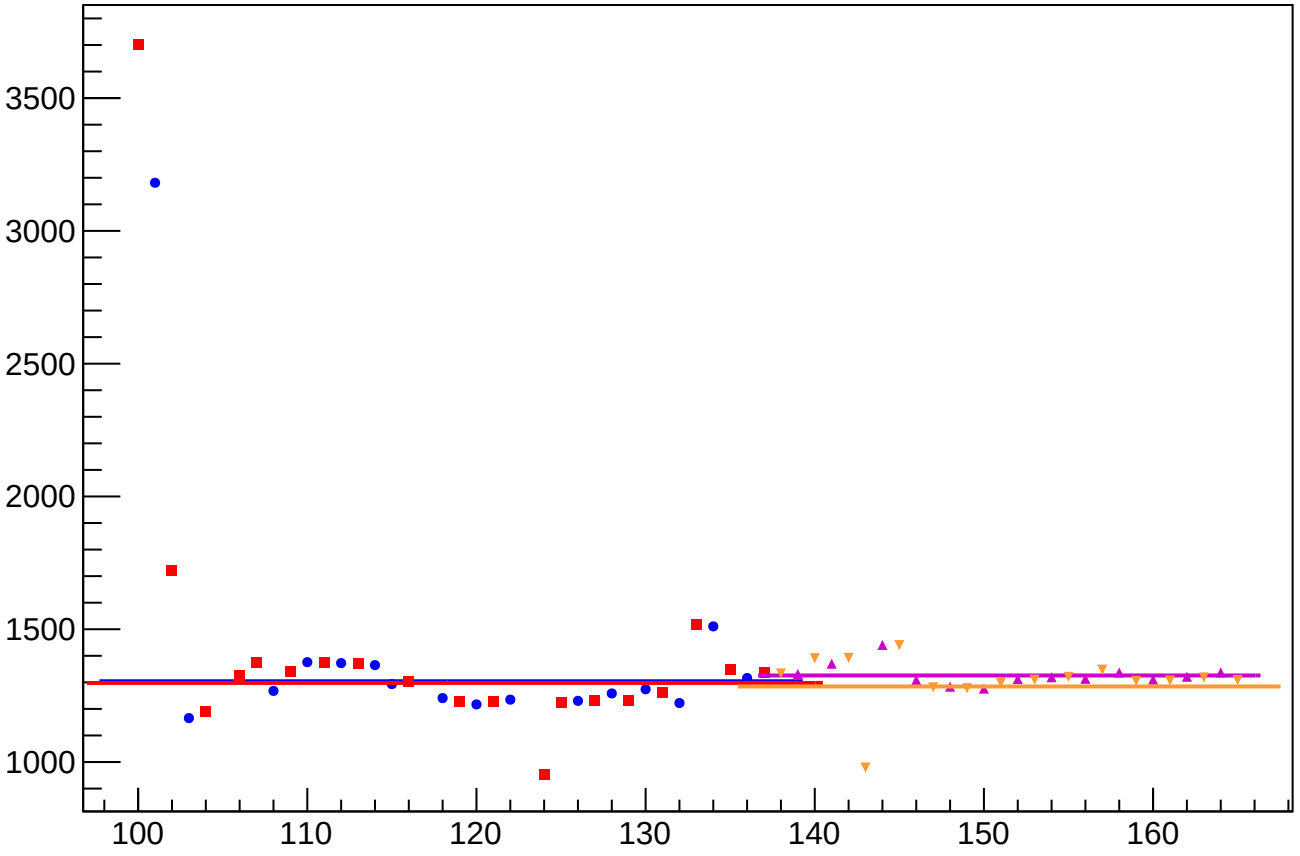
Left In: 847.227+/-400.519 χ^2/NDF:10.4/12

+ sign 269.431+/-298.801 χ^2/NDF: 53.0/30

All: 404.132+/-214.789 χ^2/NDF: 80.1/62

- sign 548.156+/-308.969 χ^2/NDF: 26.6/31

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1284.504+/-0.265 χ^2/NDF:203047.1/14

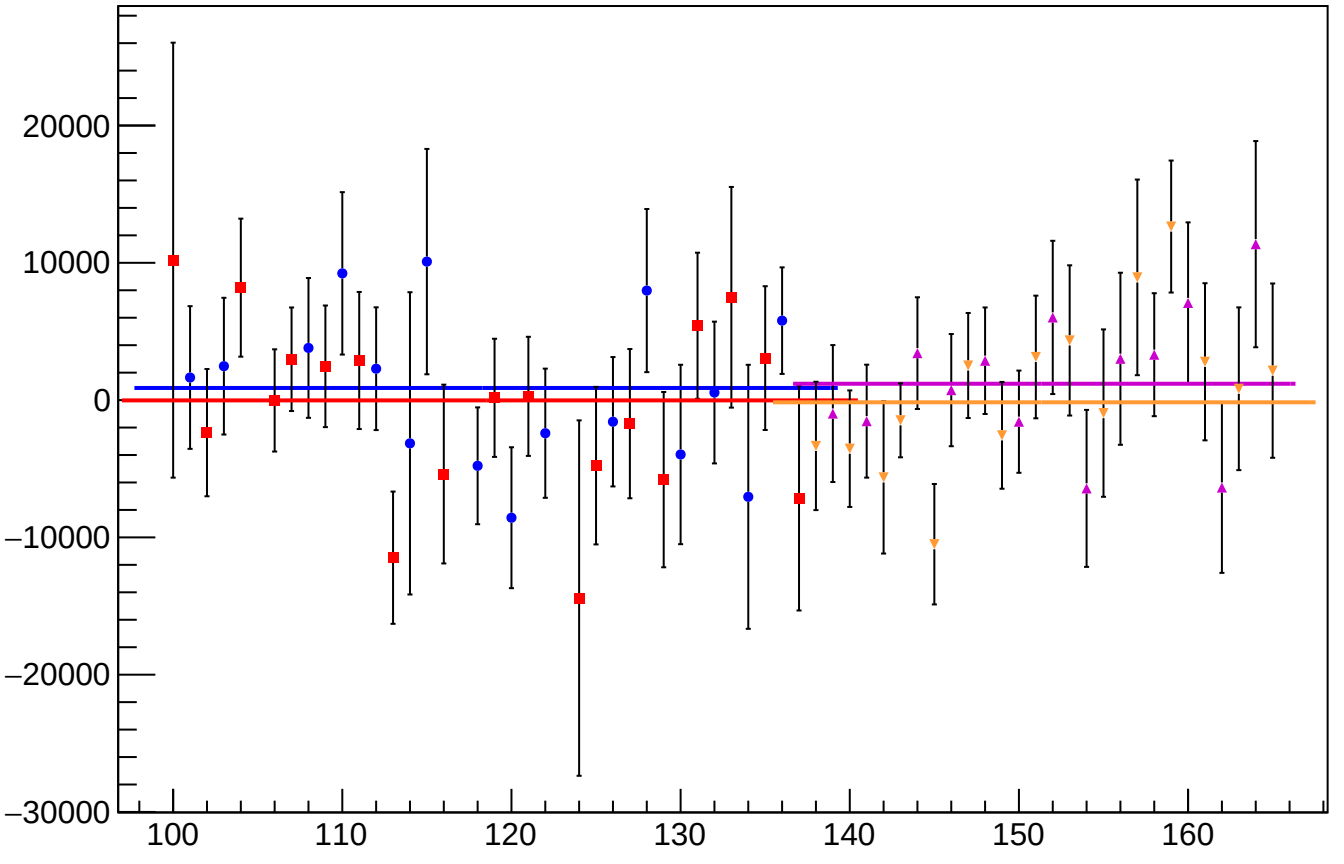
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

+ sign 1291.669+/-0.211 χ^2/NDF: 715632.2/30

All: 1302.720+/-0.152 χ^2/NDF: 957404.8/62

- sign 1314.530+/-0.218 χ^2/NDF: 236112.9/31



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -160.912+/-1182.786 χ^2/NDF:19.1/14

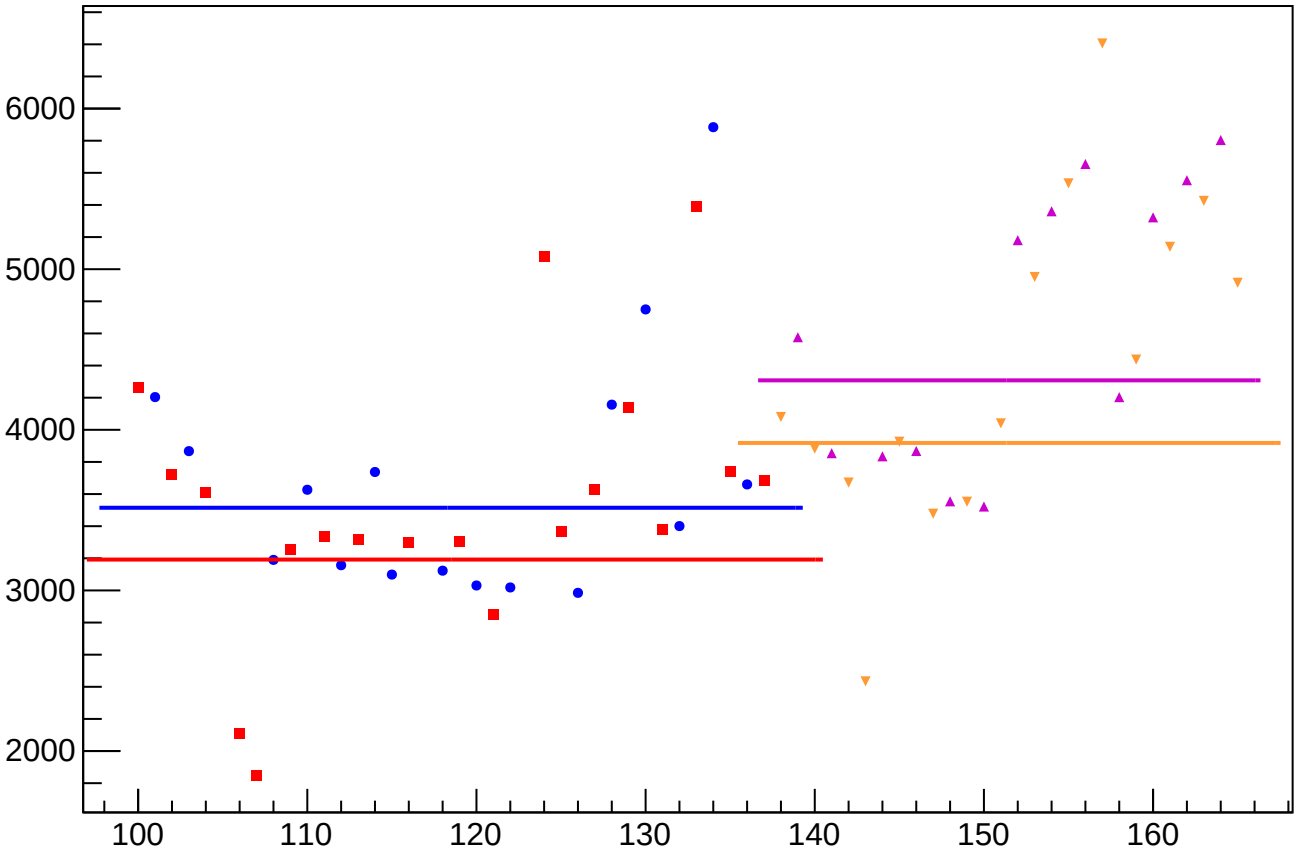
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1191.323+/-1325.927 χ^2/NDF:8.8/12

+ sign 301.571+/-883.075 χ^2/NDF: 33.6/30

All: 412.474+/-626.768 χ^2/NDF: 59.7/62

- sign 525.055+/-889.732 χ^2/NDF: 26.1/31



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3918.319+/-0.836 χ^2/NDF:1406365.2/14

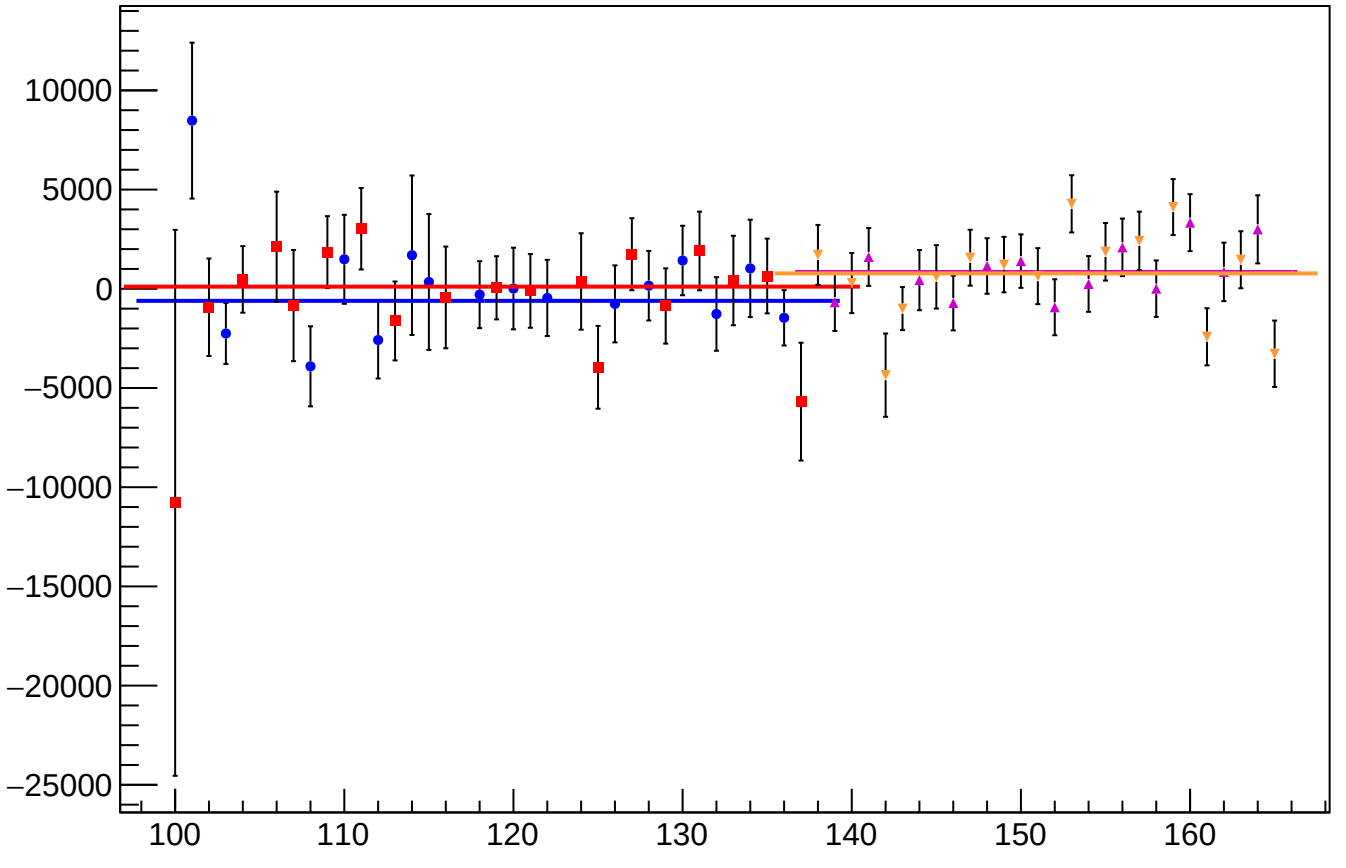
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

+ sign 3739.706+/-0.624 χ^2/NDF: 1884495.6/30

All: 3717.313+/-0.443 χ^2/NDF: 4112480.8/62

- sign 3694.582+/-0.629 χ^2/NDF: 2225393.8/31



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 774.968+/-375.143 χ^2/NDF:33.9/14

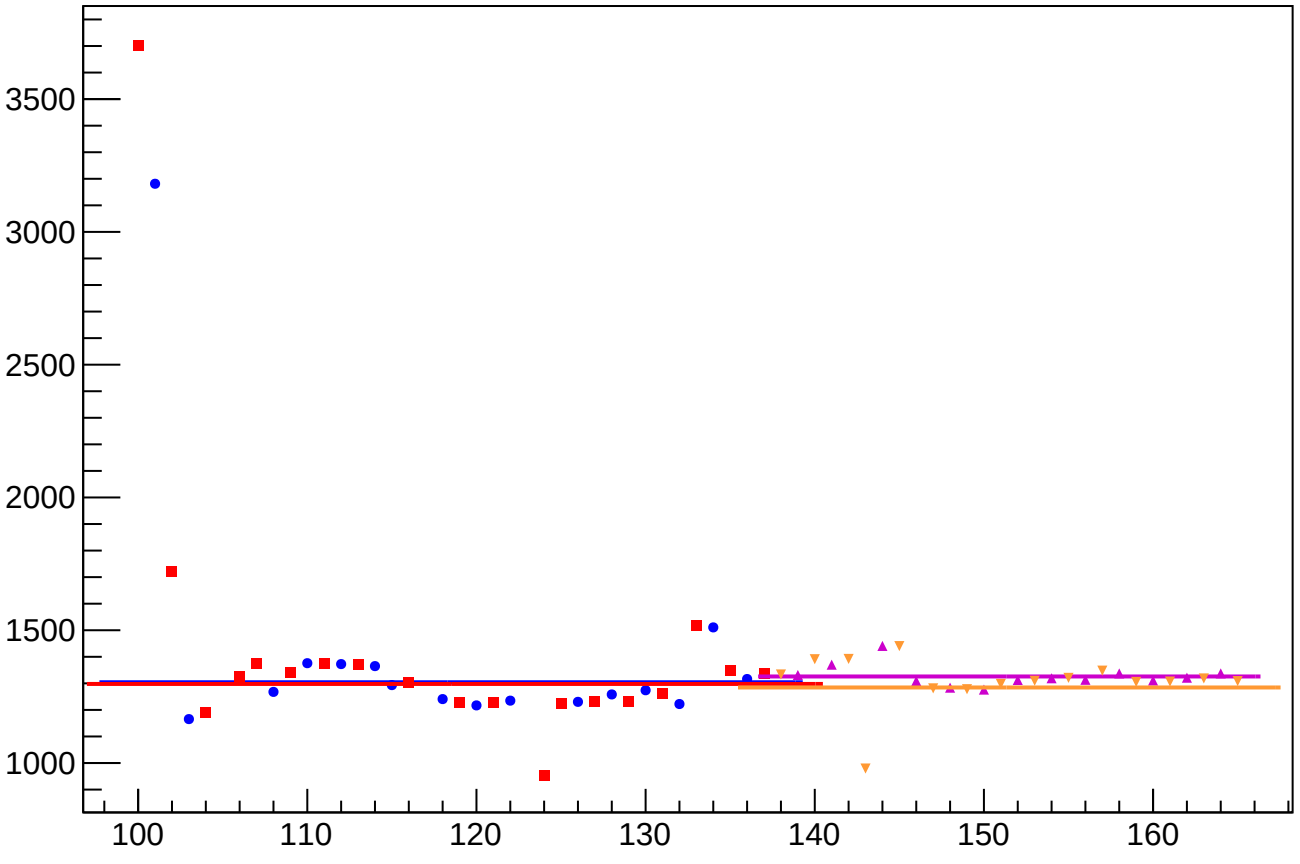
Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: 847.228+/-400.519 χ^2/NDF:10.4/12

+ sign 269.433+/-298.801 χ^2/NDF: 53.0/30

All: 404.134+/-214.789 χ^2/NDF: 80.1/62

- sign 548.159+/-308.969 χ^2/NDF: 26.6/31



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1284.505+/-0.265 χ^2/NDF:203047.8/14

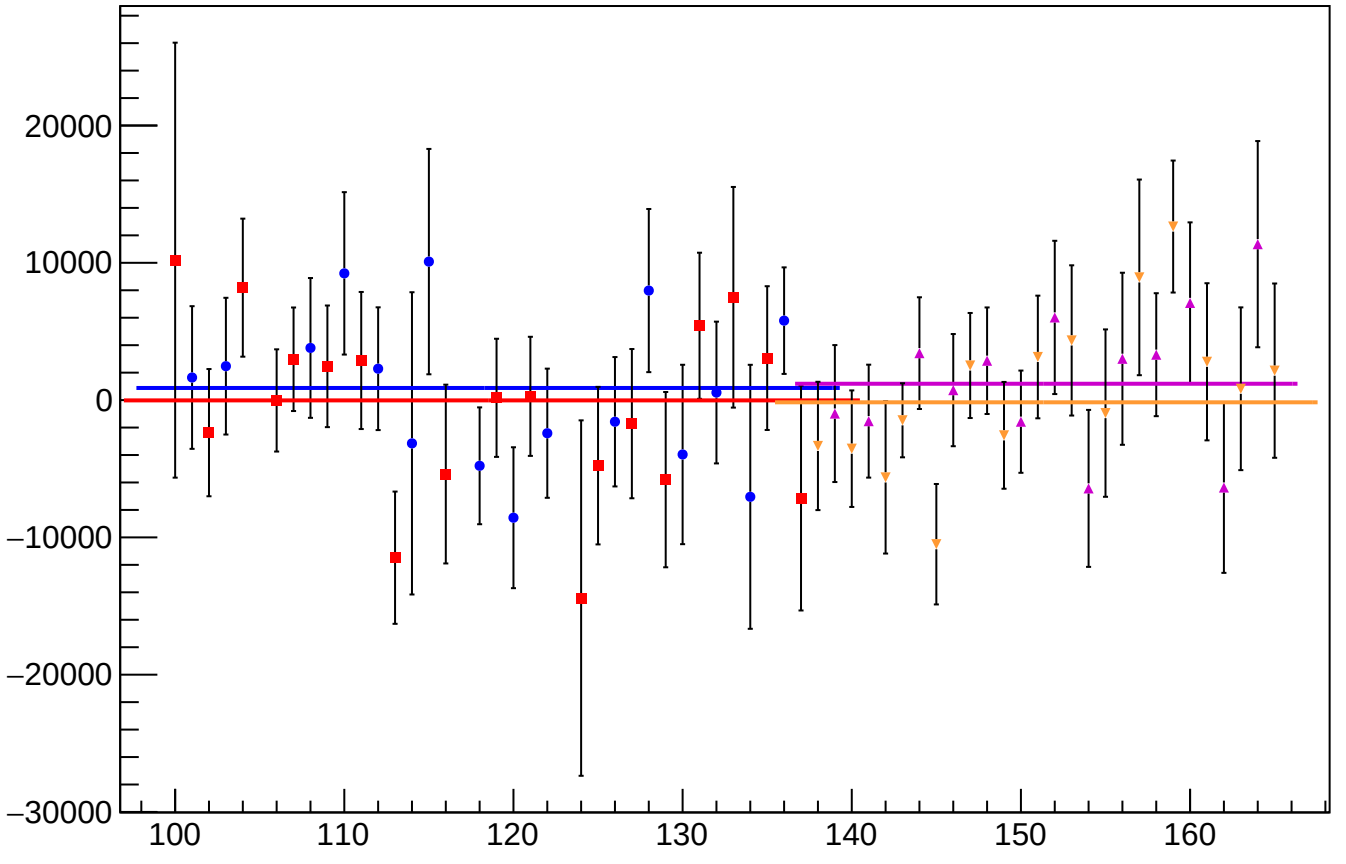
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

+ sign 1291.669+/-0.211 χ^2/NDF: 715632.7/30

All: 1302.721+/-0.152 χ^2/NDF: 957405.9/62

- sign 1314.531+/-0.218 χ^2/NDF: 236113.5/31



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -160.908+/-1182.788 χ^2/NDF:19.1/14

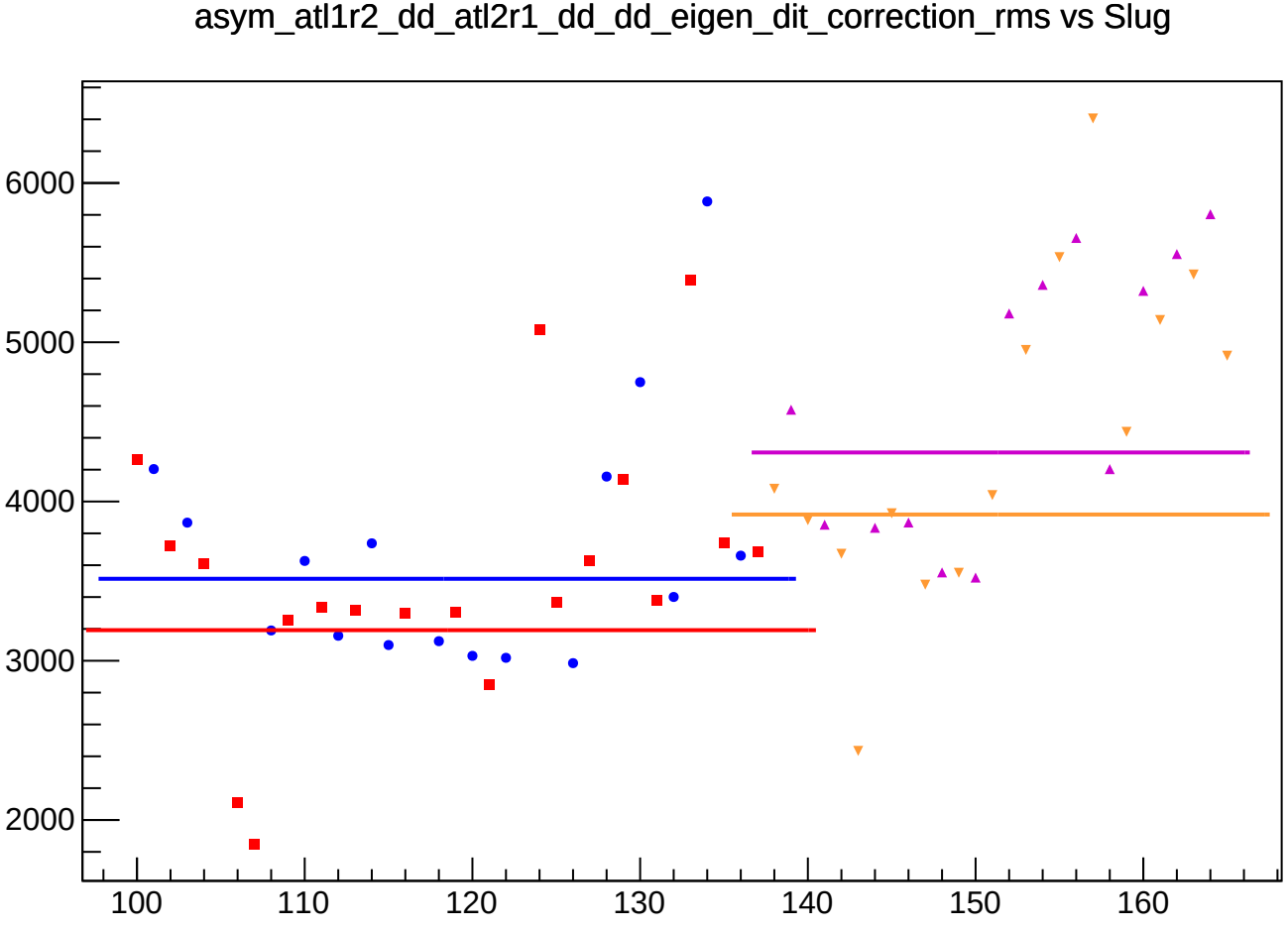
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1191.322+/-1325.929 χ^2/NDF:8.8/12

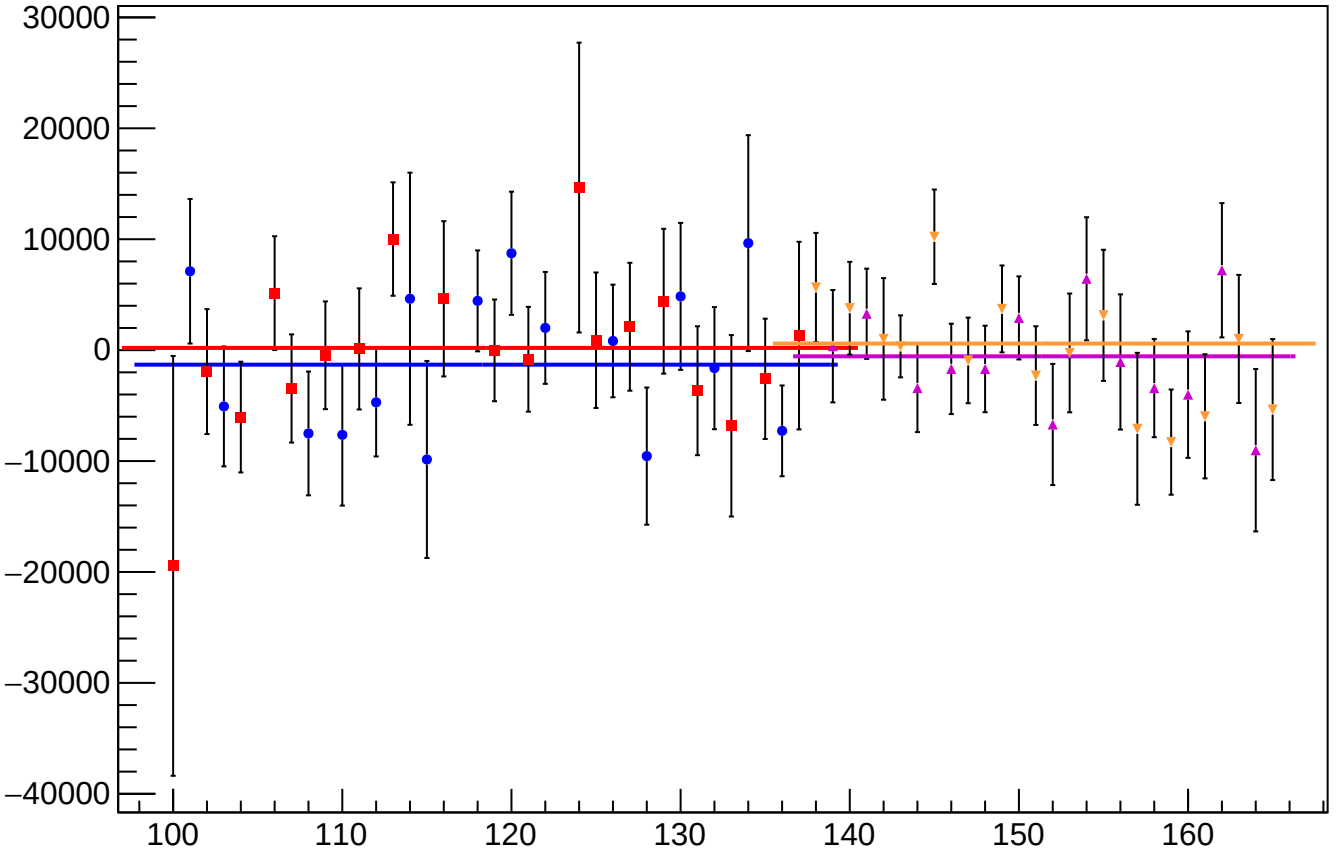
+ sign 301.570+/-883.074 χ^2/NDF: 33.6/30

All: 412.473+/-626.768 χ^2/NDF: 59.7/62

- sign 525.054+/-889.731 χ^2/NDF: 26.1/31


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3918.325+/-0.836 χ²/NDF:1406367.0/14
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 4307.922+/-0.938 χ²/NDF:674432.7/12
+ sign 3739.704+/-0.624 χ²/NDF: 1884509.2/30
All: 3717.311+/-0.443 χ²/NDF: 4112518.2/62
- sign 3694.578+/-0.629 χ²/NDF: 2225417.4/31

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 594.666+/-1183.653 χ^2/NDF:15.2/14

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

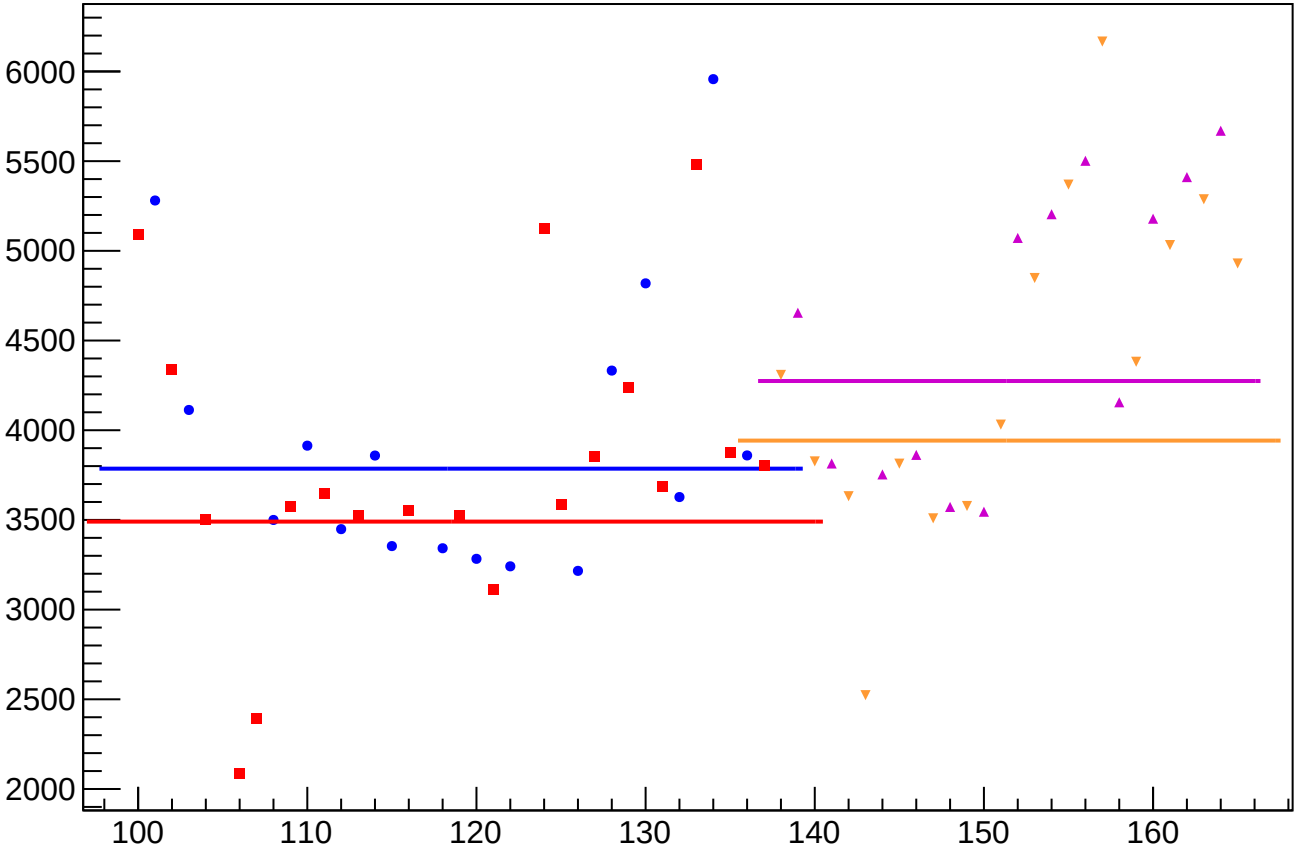
Left In: -558.248+/-1312.498 χ^2/NDF:9.1/12

+ sign -178.418+/-912.236 χ^2/NDF: 33.8/30

All: -181.666+/-653.389 χ^2/NDF: 54.7/62

- sign -185.087+/-936.296 χ^2/NDF: 20.9/31

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3942.235+/-0.837 χ^2/NDF:1214331.3/14

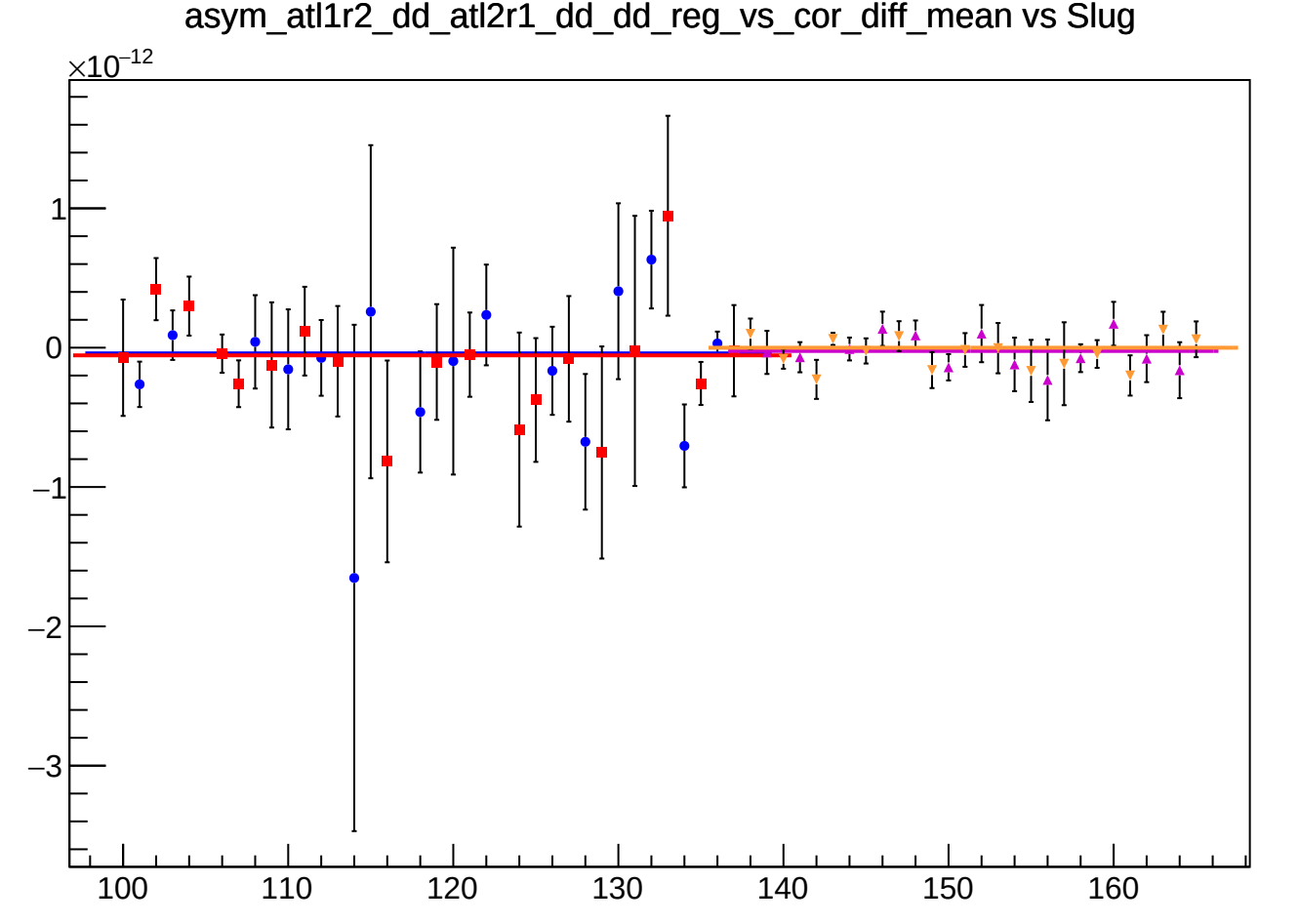
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

+ sign 3878.707+/-0.645 χ^2/NDF: 1611513.3/30

All: 3881.348+/-0.460 χ^2/NDF: 3160263.4/62

- sign 3884.092+/-0.658 χ^2/NDF: 1548715.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/14

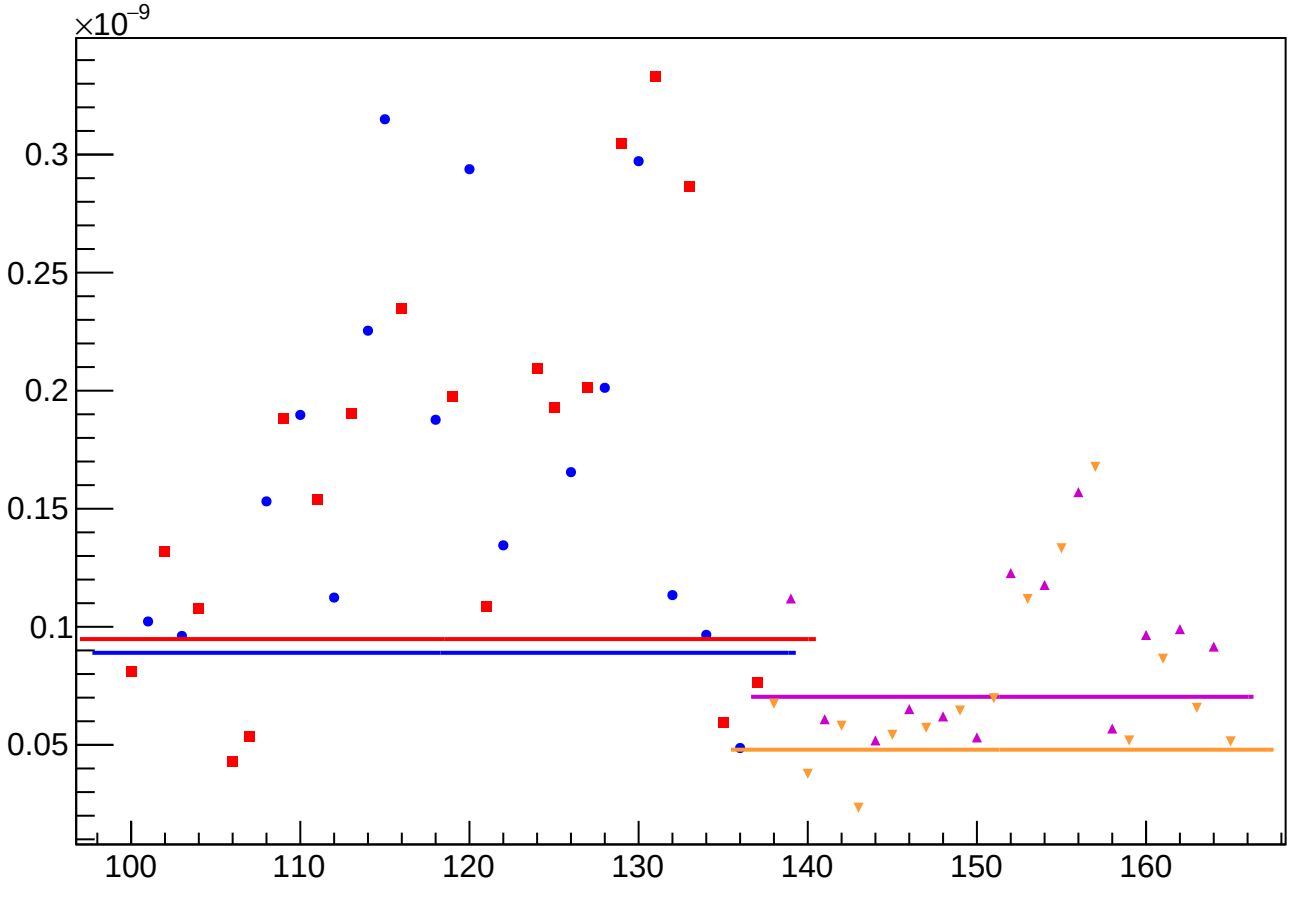
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/30

All: -0.000+/-0.000 χ^2/NDF: 54.6/62

- sign -0.000+/-0.000 χ^2/NDF: 24.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1915511.9/14

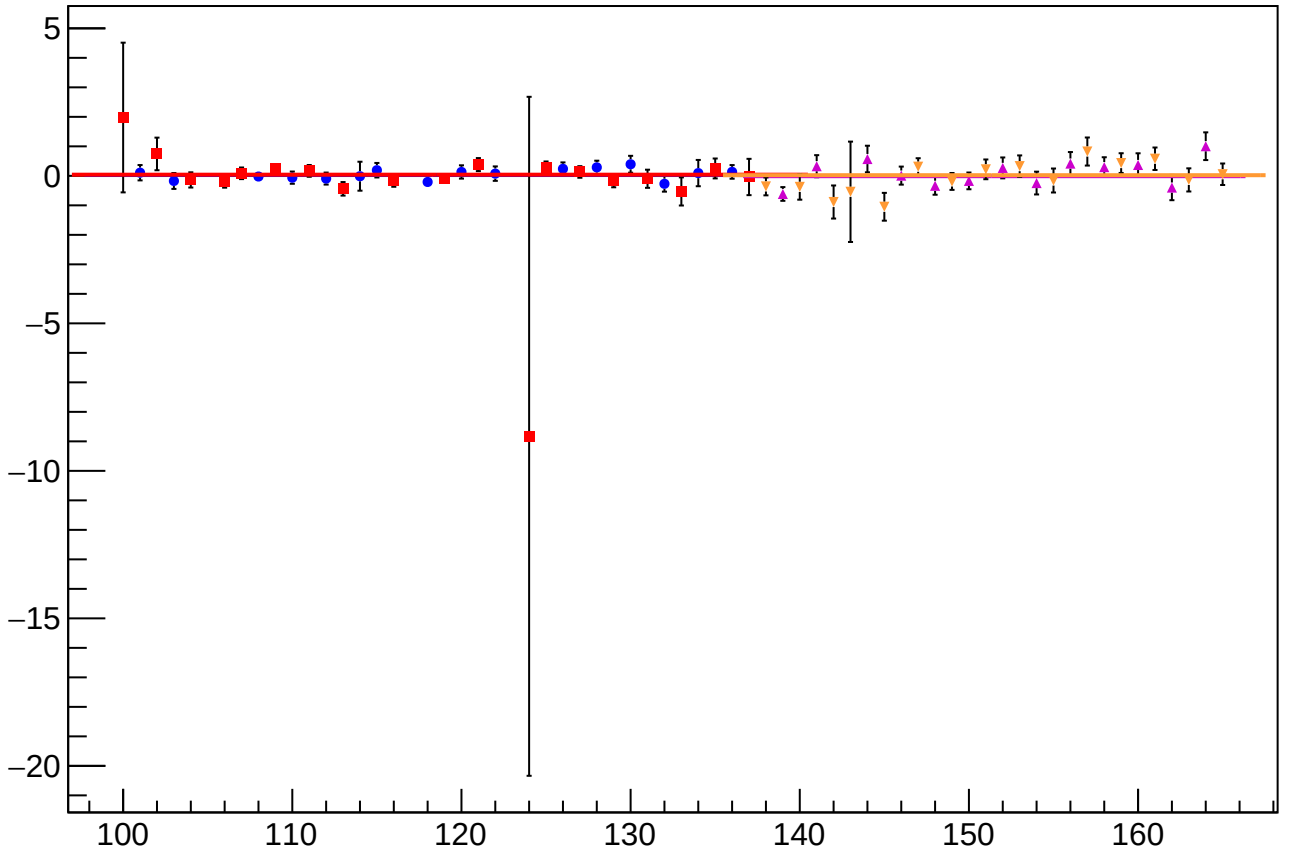
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4189814.1/30

All: 0.000+/-0.000 χ^2/NDF: 7712705.1/62

- sign 0.000+/-0.000 χ^2/NDF: 2904932.6/31



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

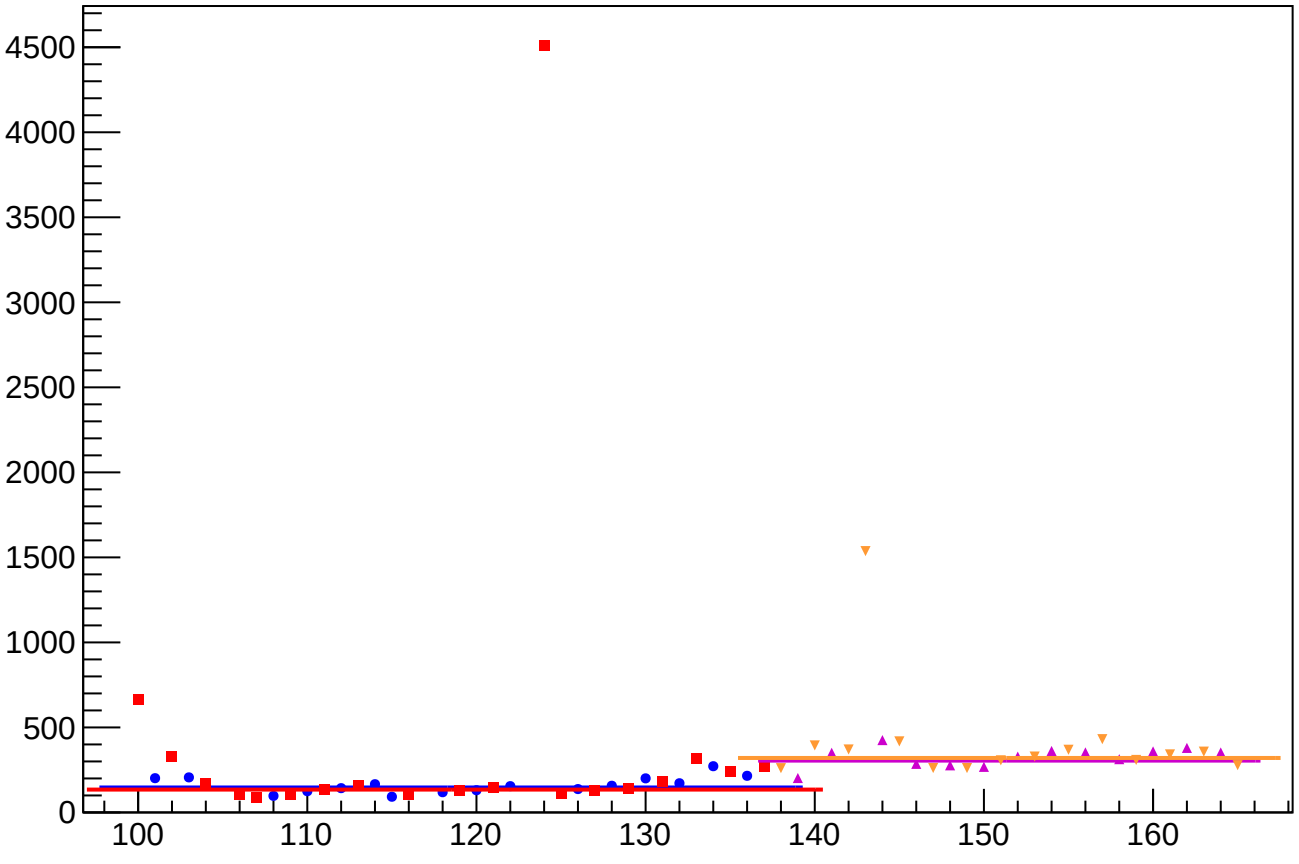
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

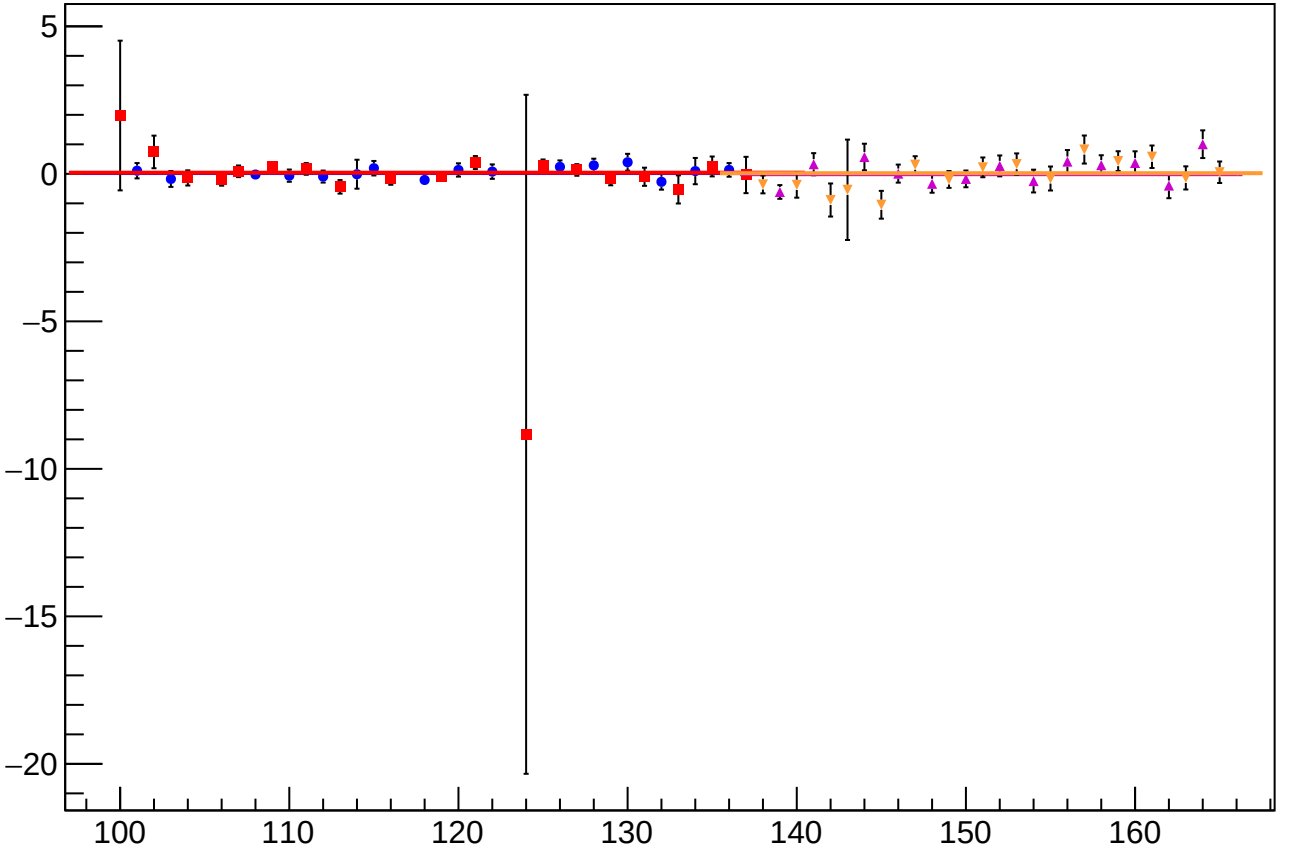
Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328092.3/30

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

- sign 177.090+/-0.034 χ^2/NDF: 7265782.6/31

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: 0.022+/-0.097 χ^2/NDF:19.8/14

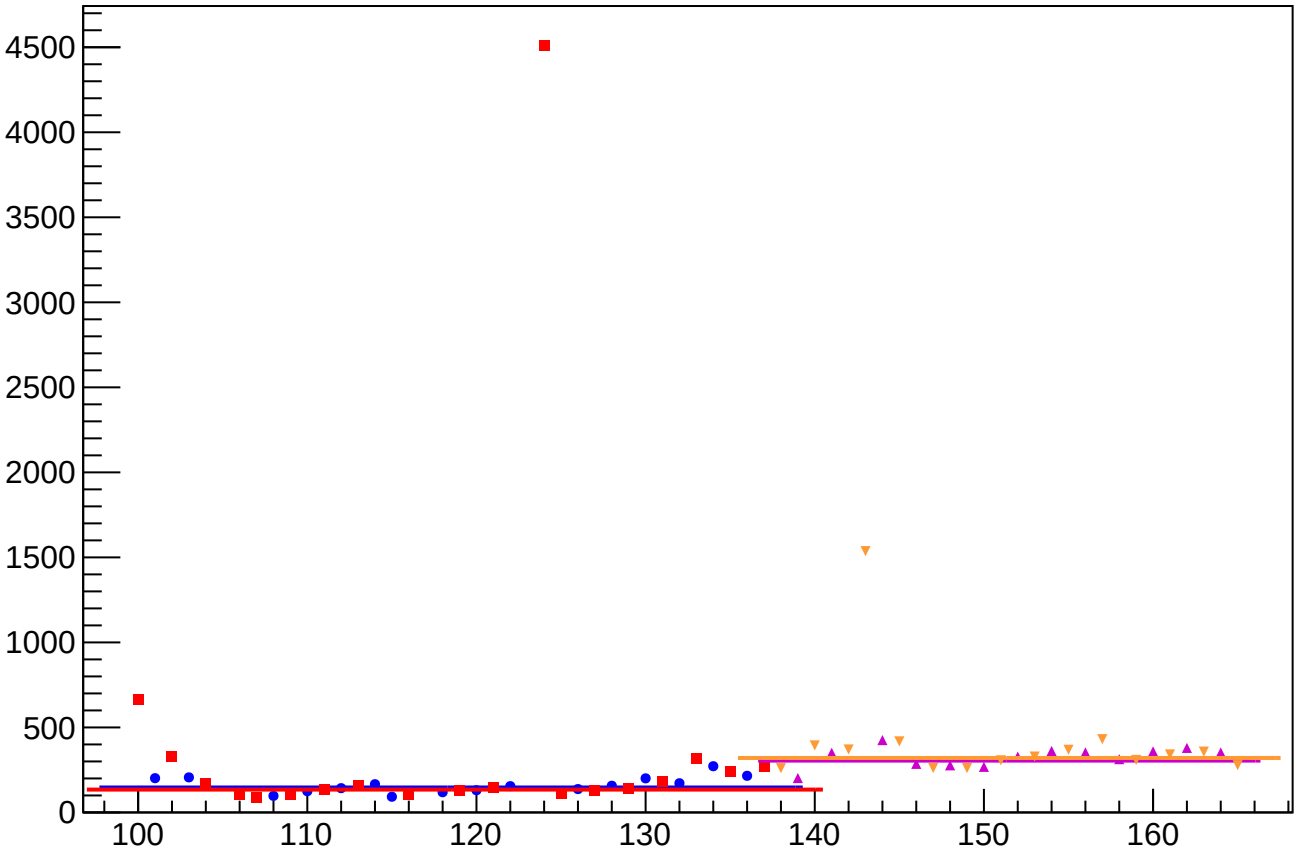
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.448+/-0.069 χ^2/NDF:1625172.2/14

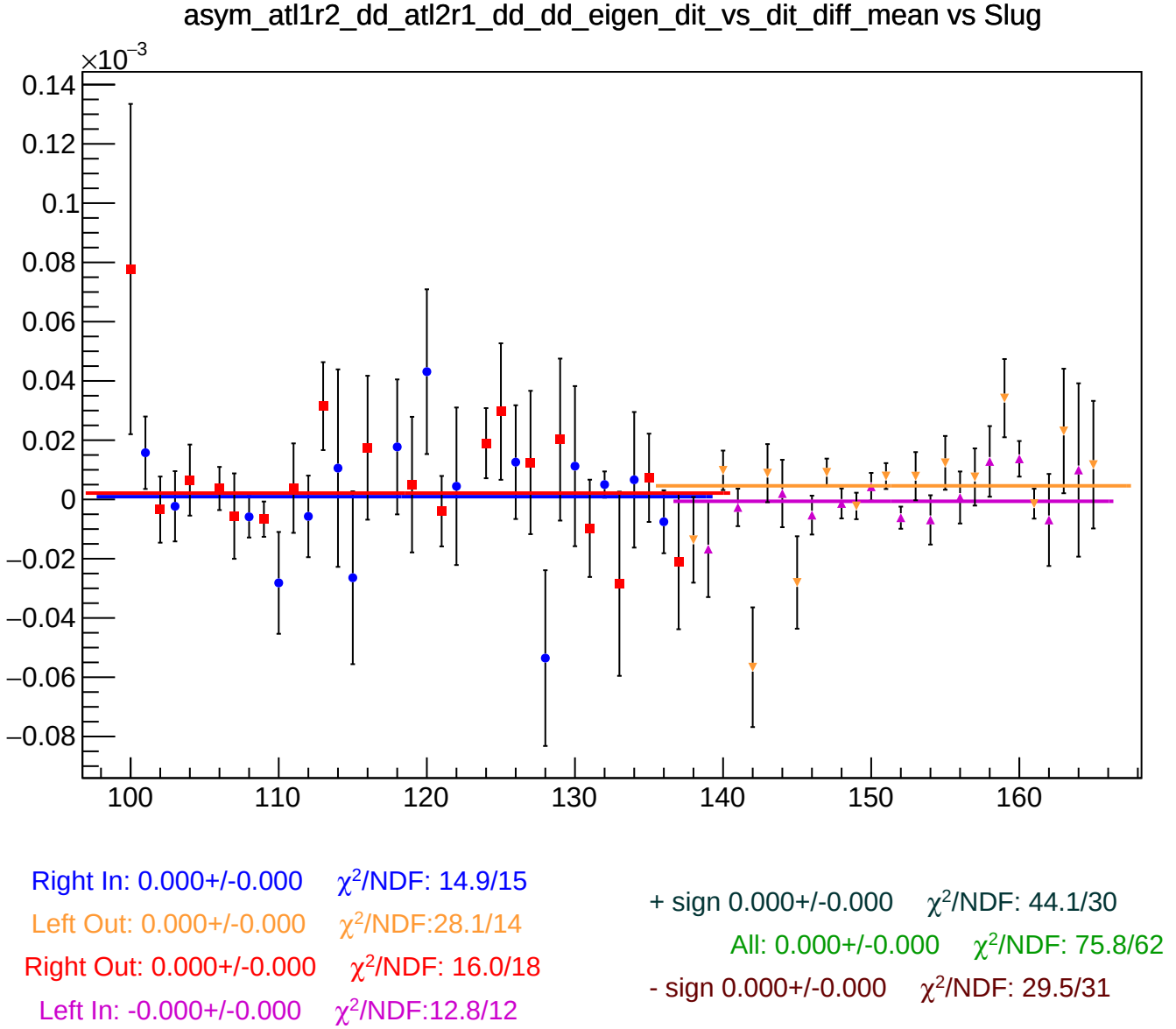
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

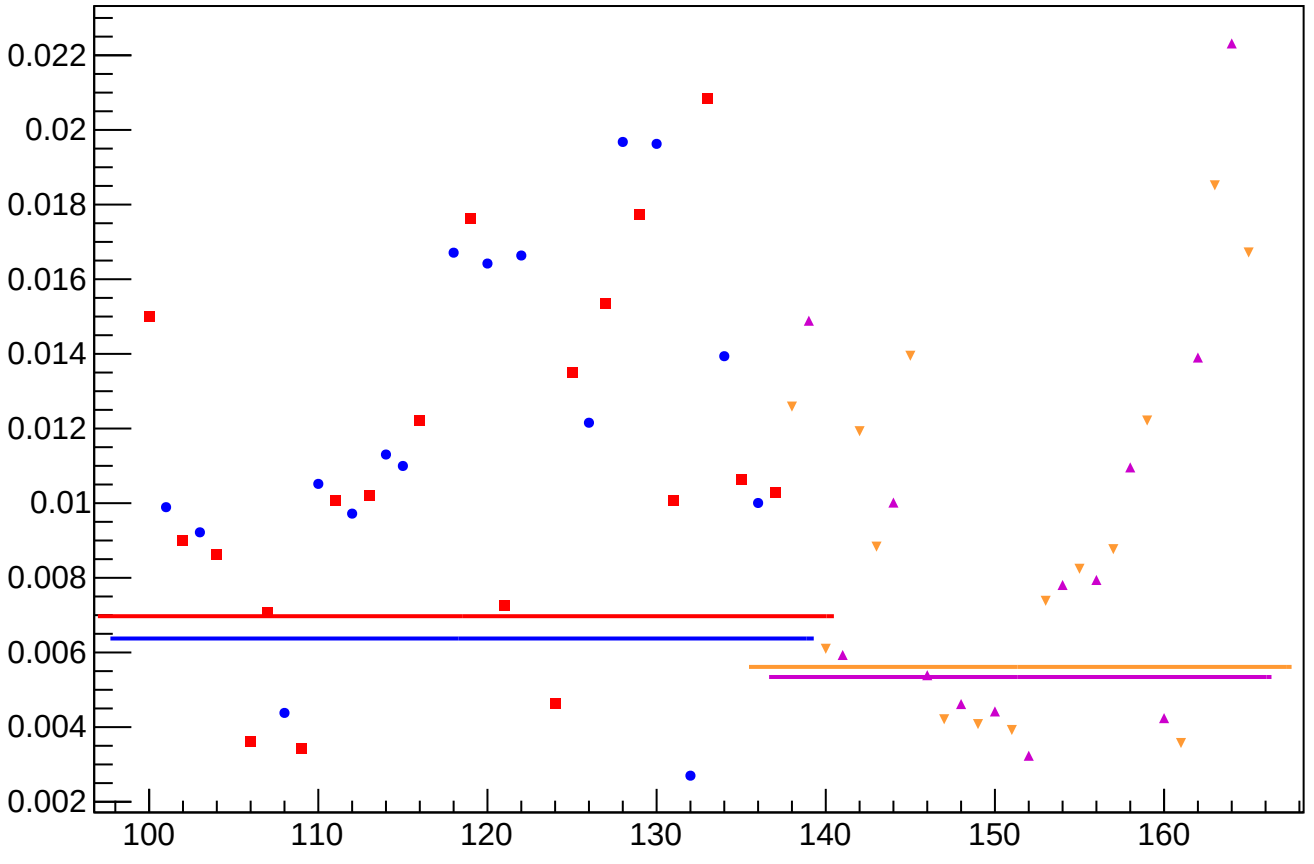
Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328092.3/30

All: 184.177+/-0.024 χ^2/NDF: 14687363.5/62

- sign 177.090+/-0.034 χ^2/NDF: 7265782.6/31


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:12.8/12
+ sign 0.000+/-0.000 χ²/NDF: 44.1/30
All: 0.000+/-0.000 χ²/NDF: 75.8/62
- sign 0.000+/-0.000 χ²/NDF: 29.5/31



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4768189.6/14

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

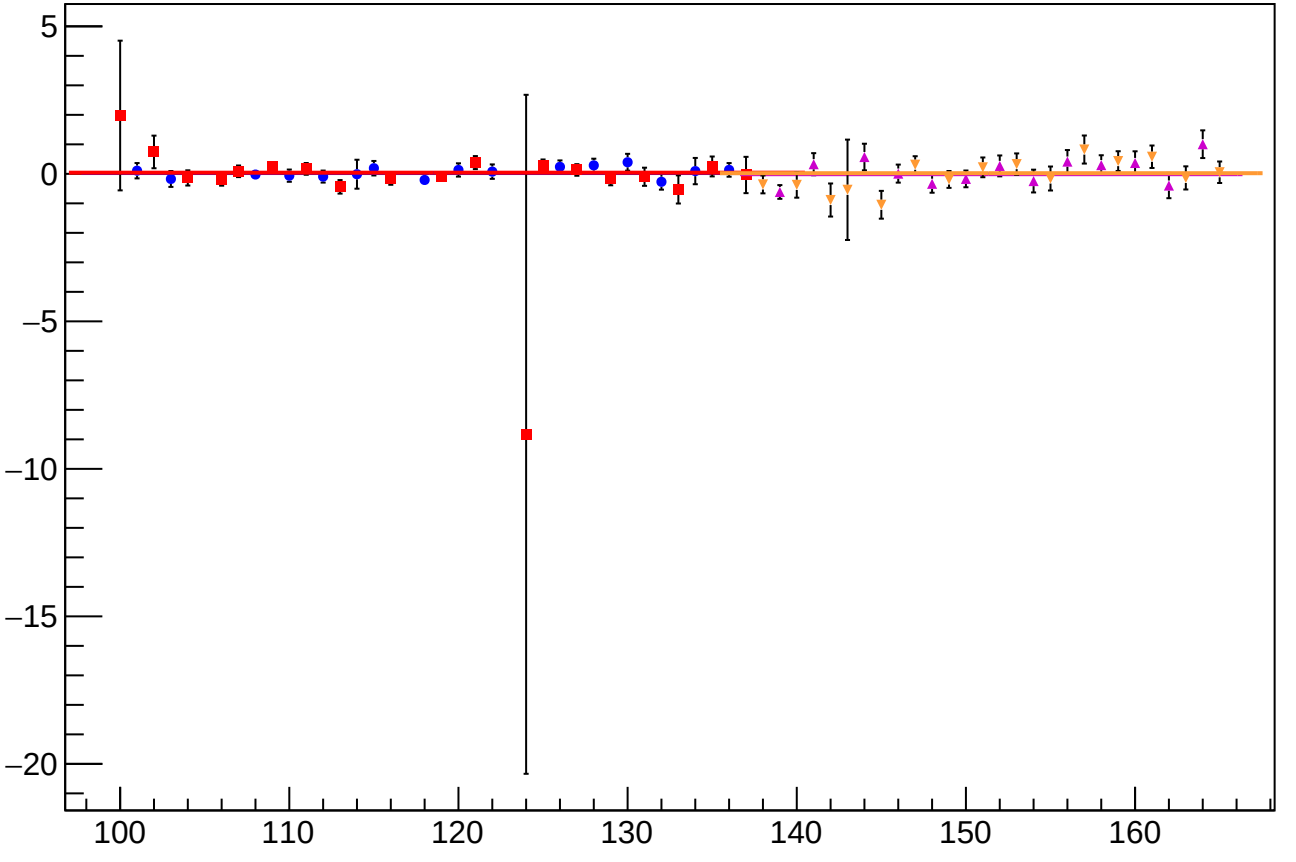
Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

+ sign 0.006+/-0.000 χ^2/NDF: 9503492.3/30

All: 0.006+/-0.000 χ^2/NDF: 17285637.8/62

- sign 0.006+/-0.000 χ^2/NDF: 7781557.4/31

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

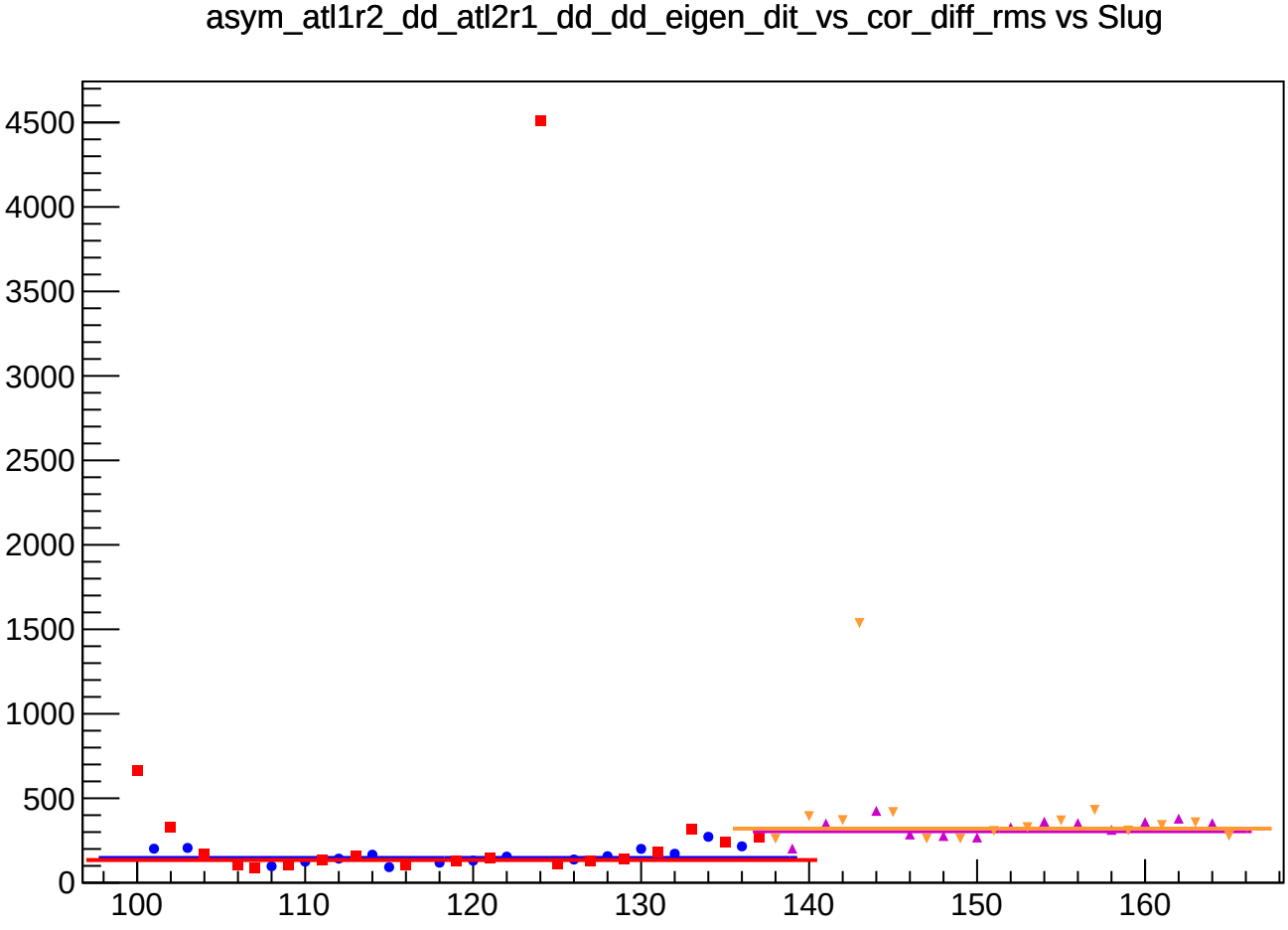
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

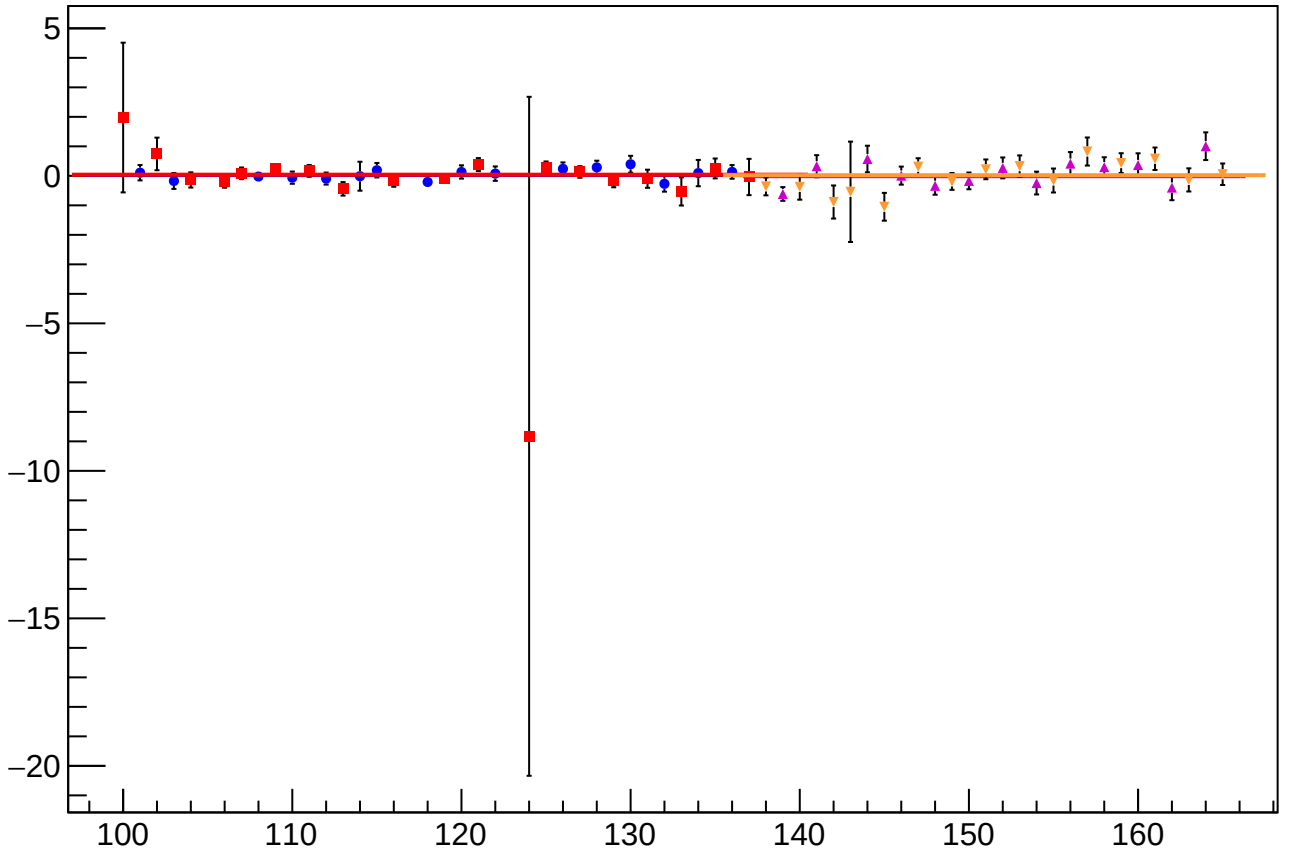
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328199.4/30

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

- sign 177.091+/-0.034 χ^2/NDF: 7265765.7/31



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.022+/-0.097 χ^2/NDF:19.8/14

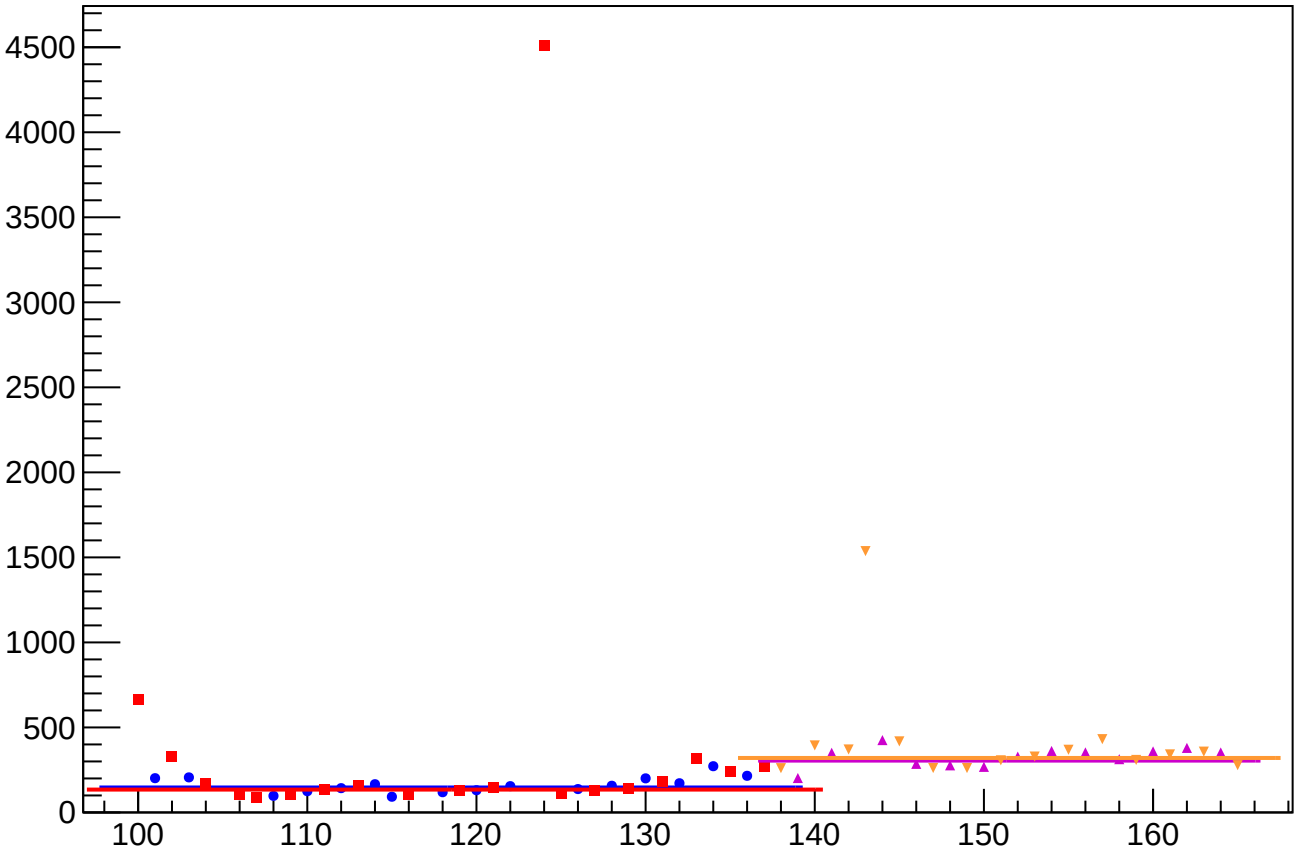
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.011+/-0.095 χ^2/NDF:20.1/12

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/30

All: 0.026+/-0.034 χ^2/NDF: 69.5/62

- sign 0.027+/-0.047 χ^2/NDF: 40.3/31



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.453+/-0.069 χ^2/NDF:1625174.0/14

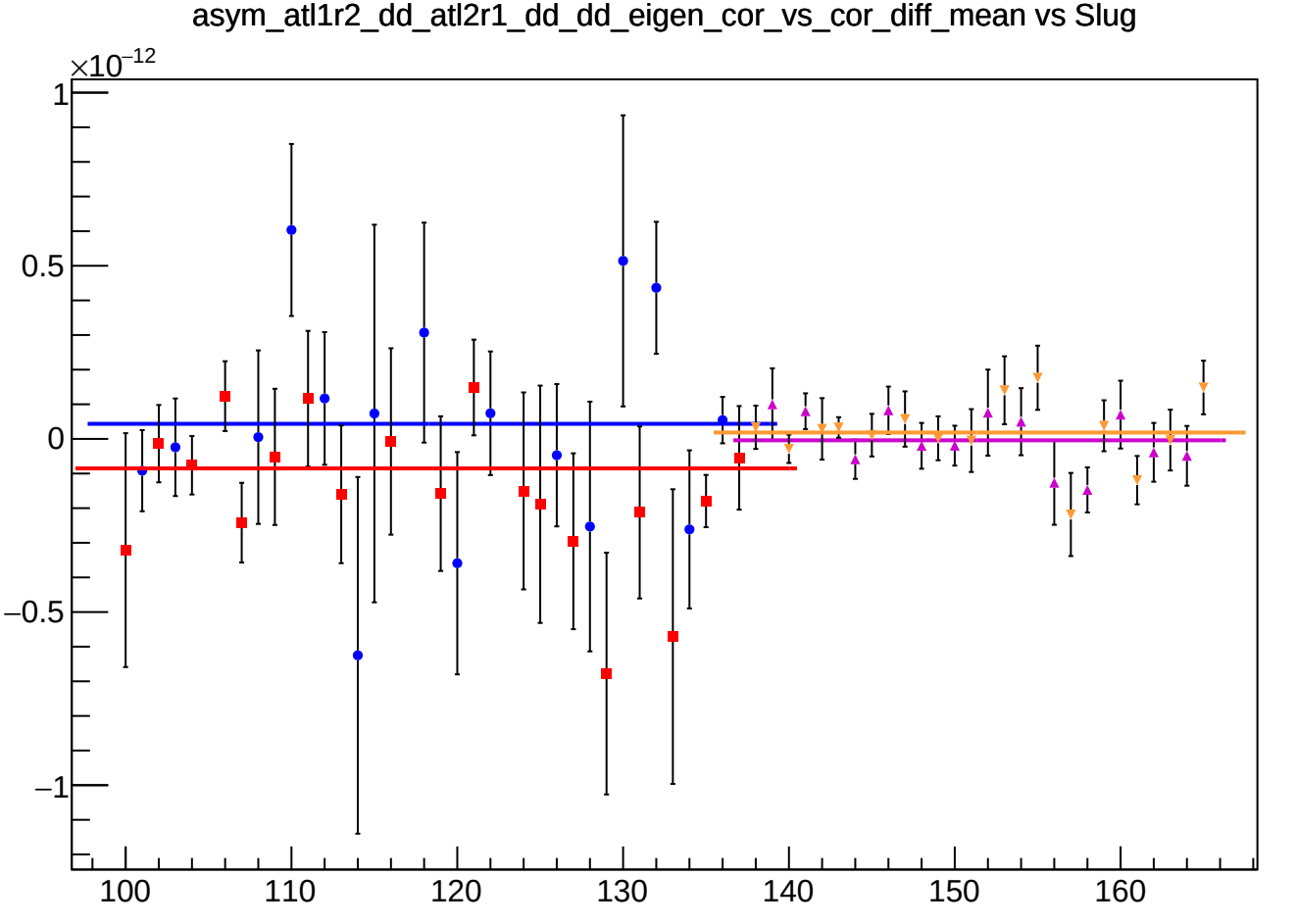
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

+ sign 191.936+/-0.035 χ^2/NDF: 7328199.4/30

All: 184.178+/-0.024 χ^2/NDF: 14687433.9/62

- sign 177.091+/-0.034 χ^2/NDF: 7265765.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

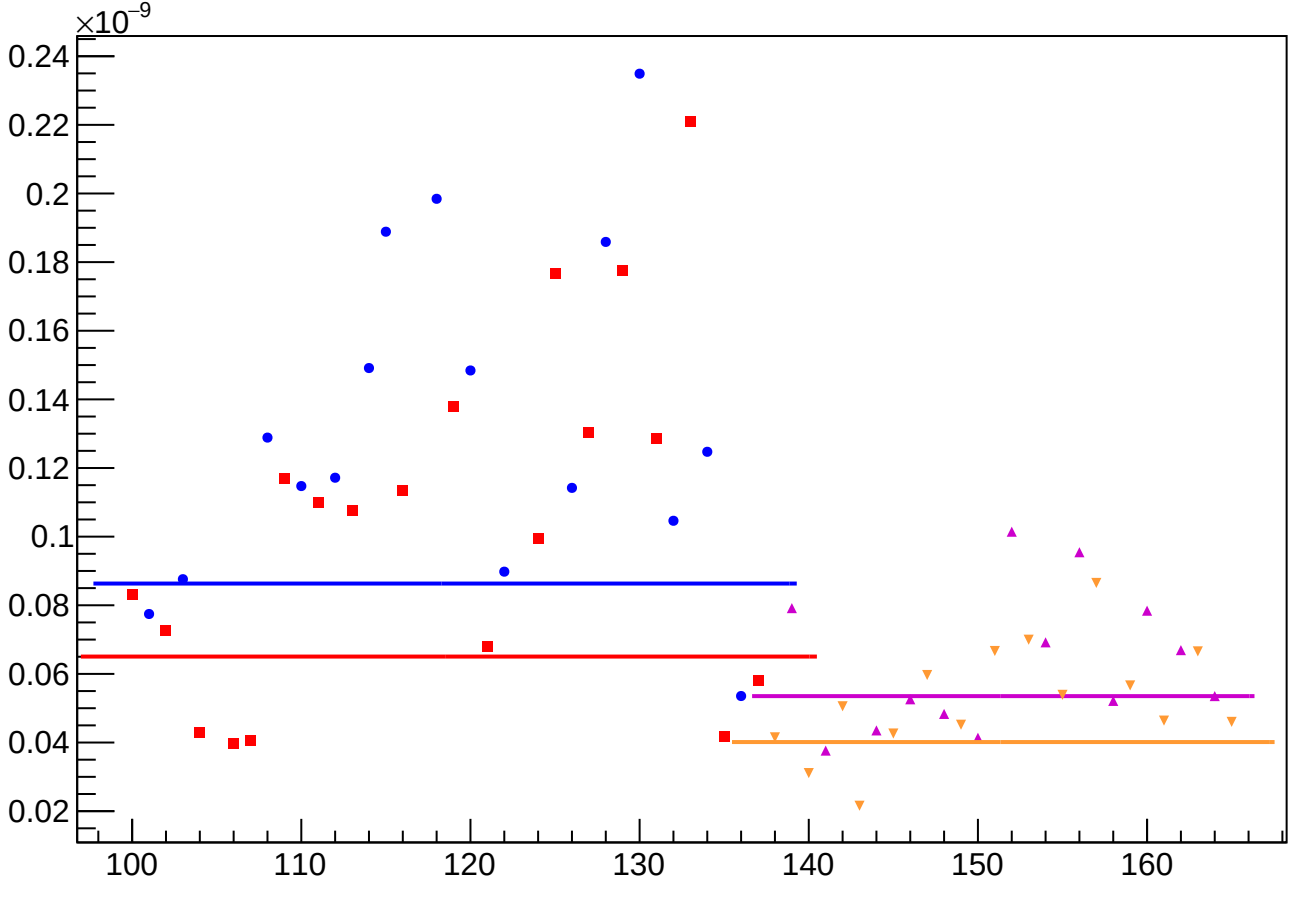
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/30

All: 0.000+/-0.000 χ^2/NDF: 76.9/62

- sign -0.000+/-0.000 χ^2/NDF: 36.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2052820.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

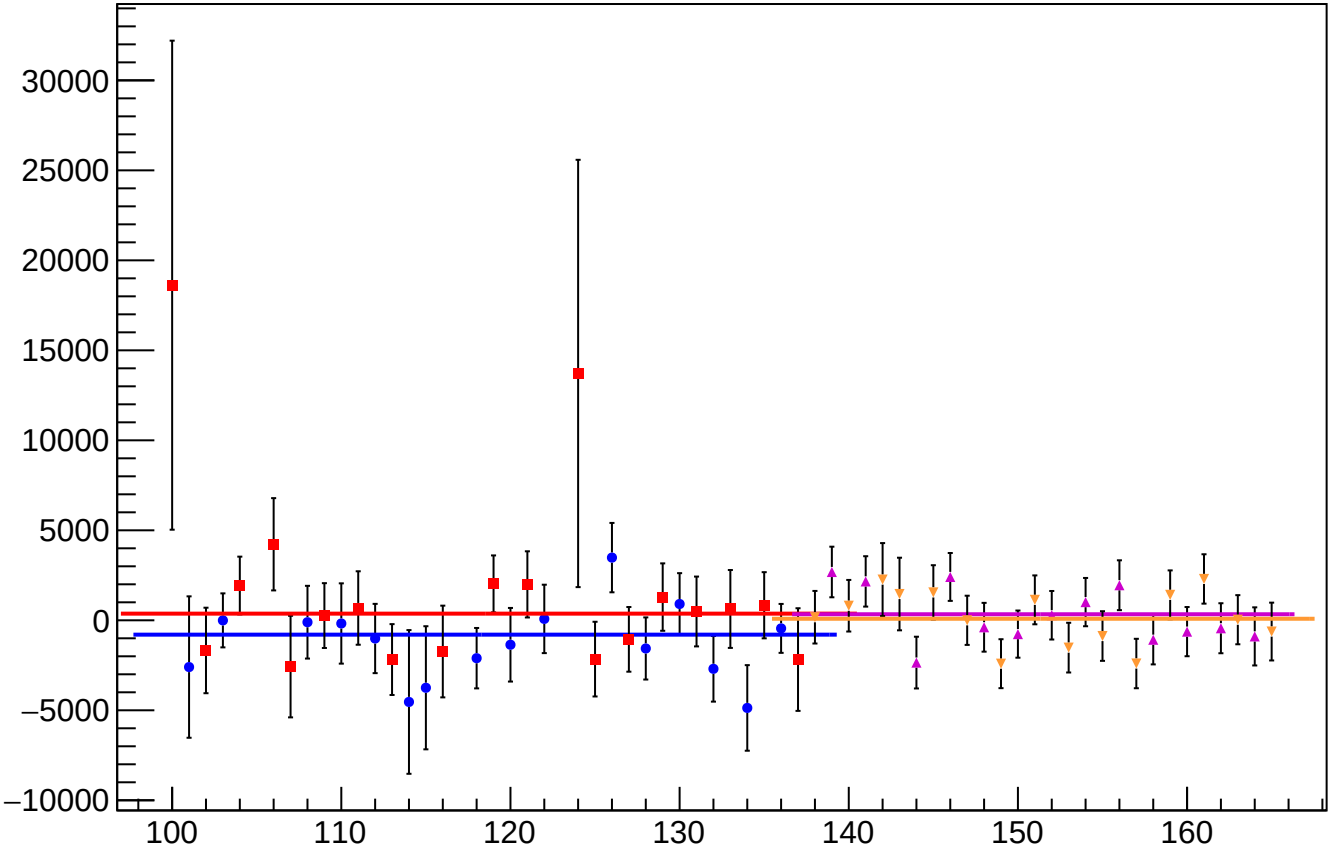
Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 5665970.5/30

All: 0.000+/-0.000 χ^2/NDF: 9664134.1/62

- sign 0.000+/-0.000 χ^2/NDF: 3568660.5/31

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 85.600+/-375.854 χ^2/NDF:15.7/14

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

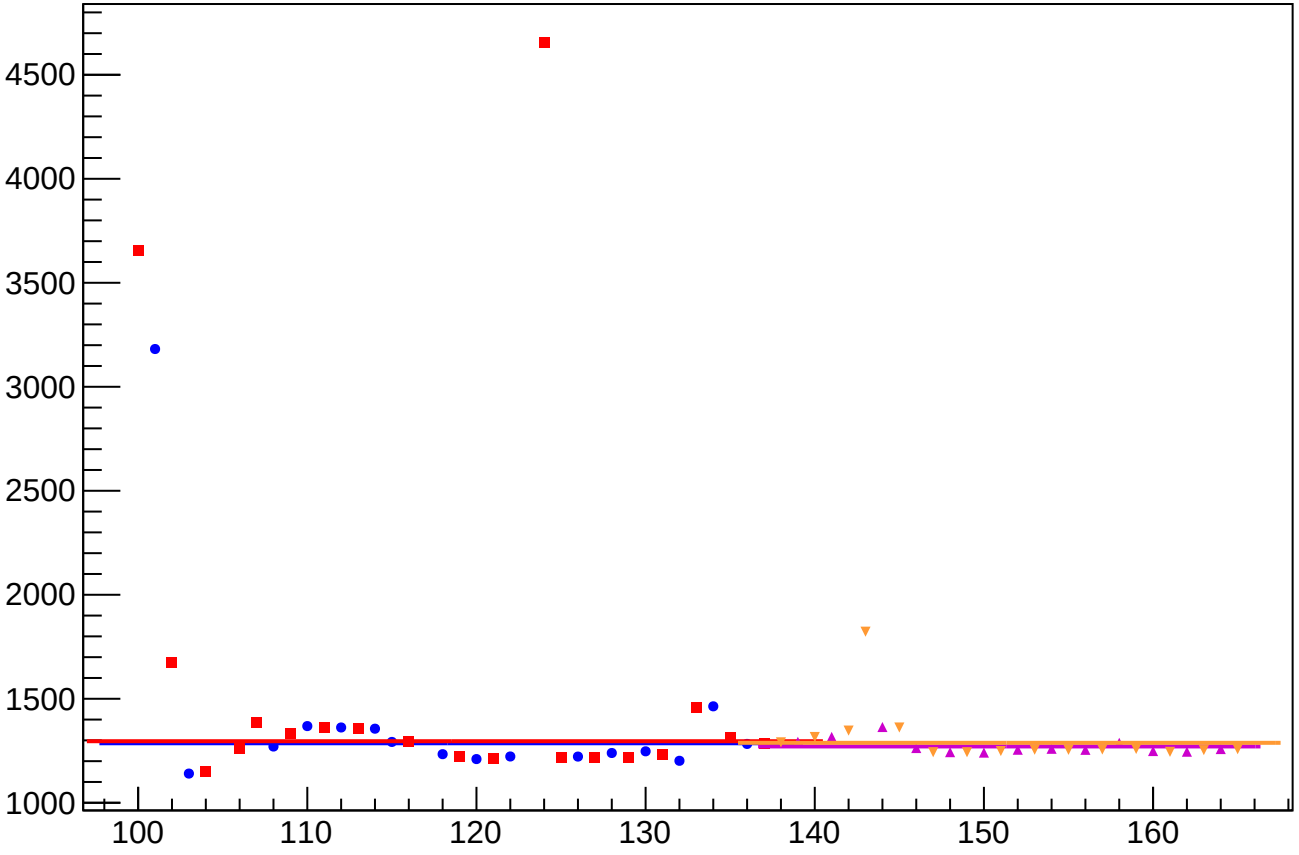
Left In: 335.968+/-383.793 χ^2/NDF:15.5/12

+ sign -243.587+/-297.648 χ^2/NDF: 31.1/30

All: 49.257+/-211.699 χ^2/NDF: 64.2/62

- sign 349.049+/-301.158 χ^2/NDF: 31.1/31

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

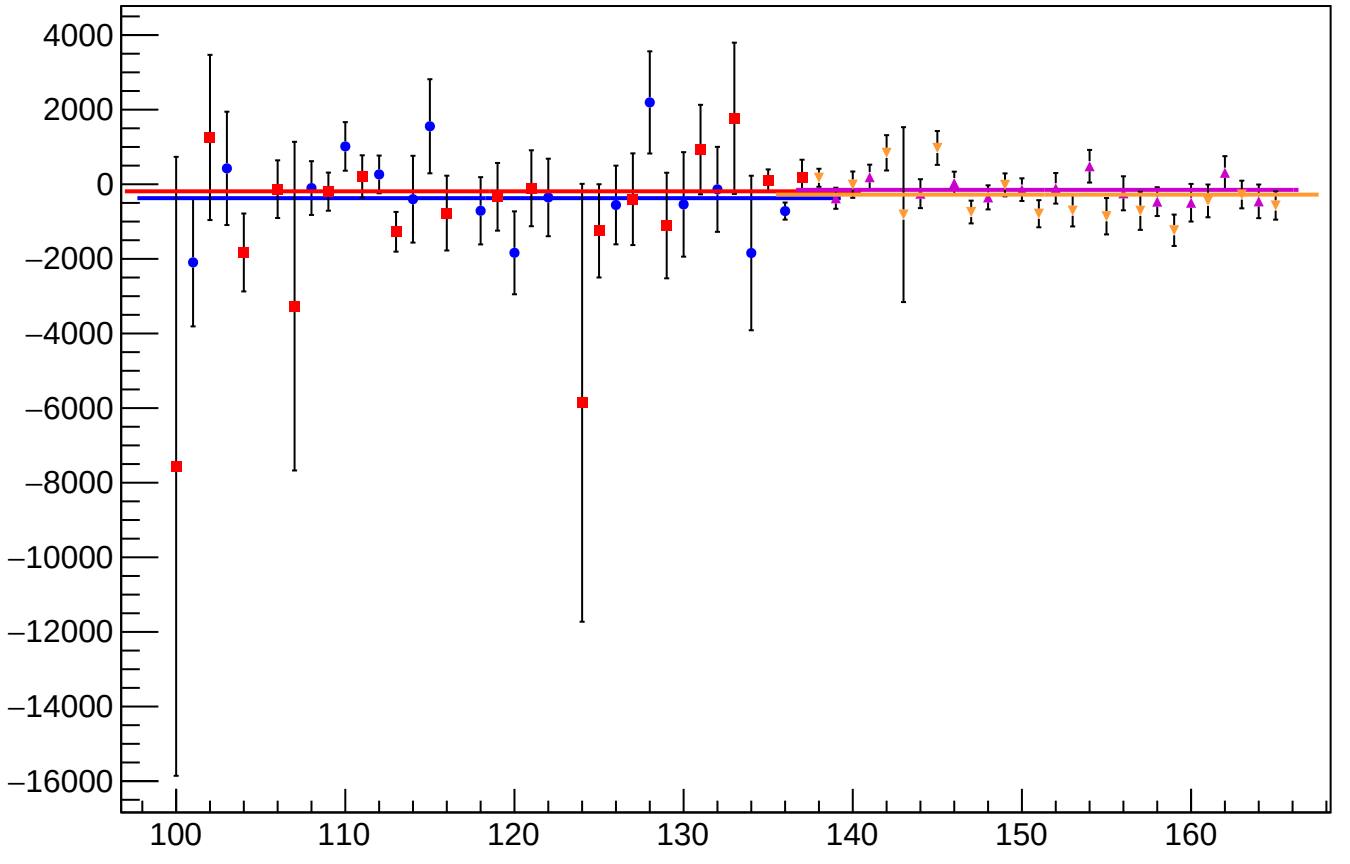
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1287.435+/-0.210 χ^2/NDF: 680208.2/30

All: 1283.978+/-0.150 χ^2/NDF: 1027454.0/62

- sign 1280.439+/-0.213 χ^2/NDF: 346699.7/31



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -277.637+/-98.911 χ^2/NDF:31.4/14

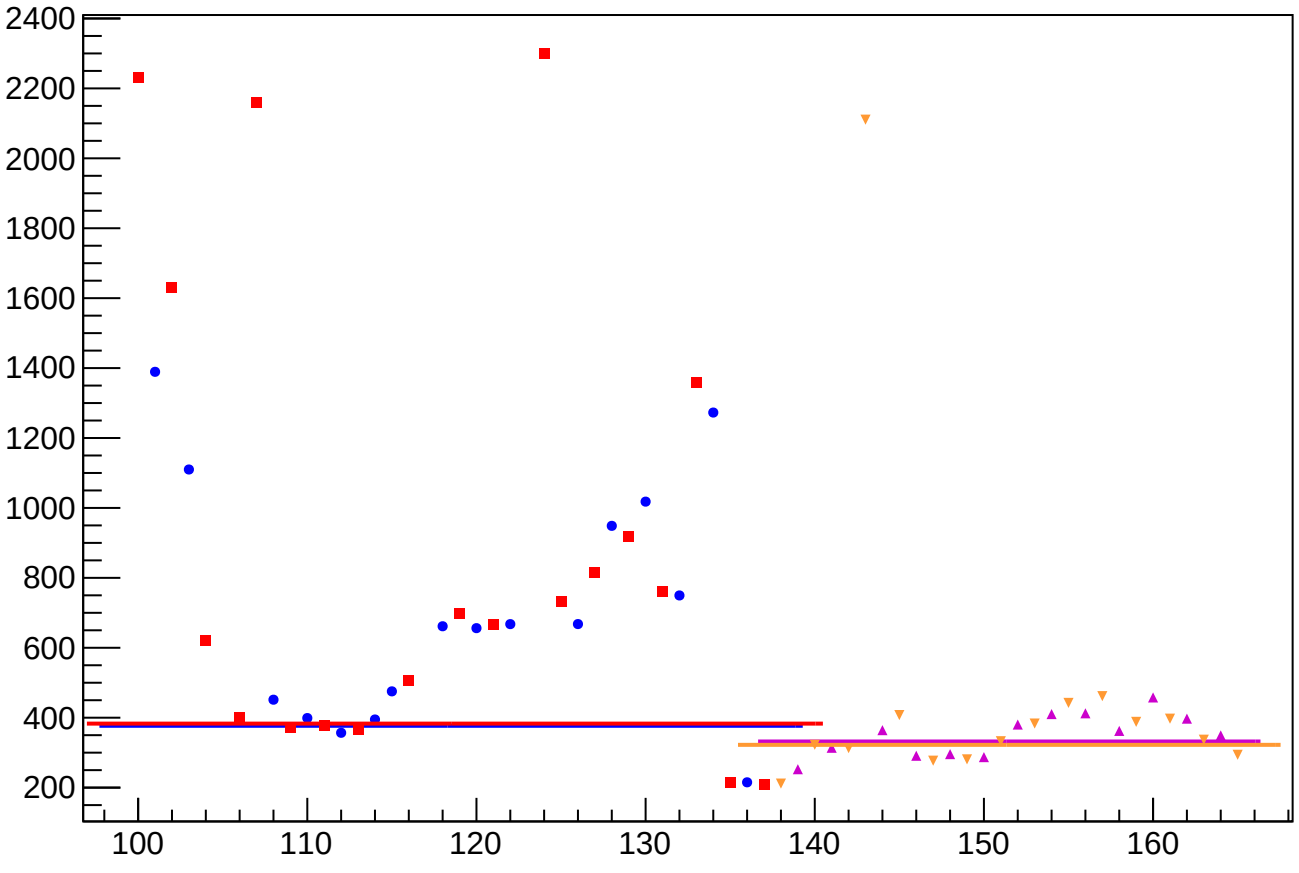
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -149.808+/-102.223 χ^2/NDF:7.3/12

+ sign -301.966+/-85.262 χ^2/NDF: 49.8/30

All: -232.976+/-61.081 χ^2/NDF: 73.1/62

- sign -160.240+/-87.546 χ^2/NDF: 22.0/31



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 322.357+/-0.070 χ^2/NDF:2170940.0/14

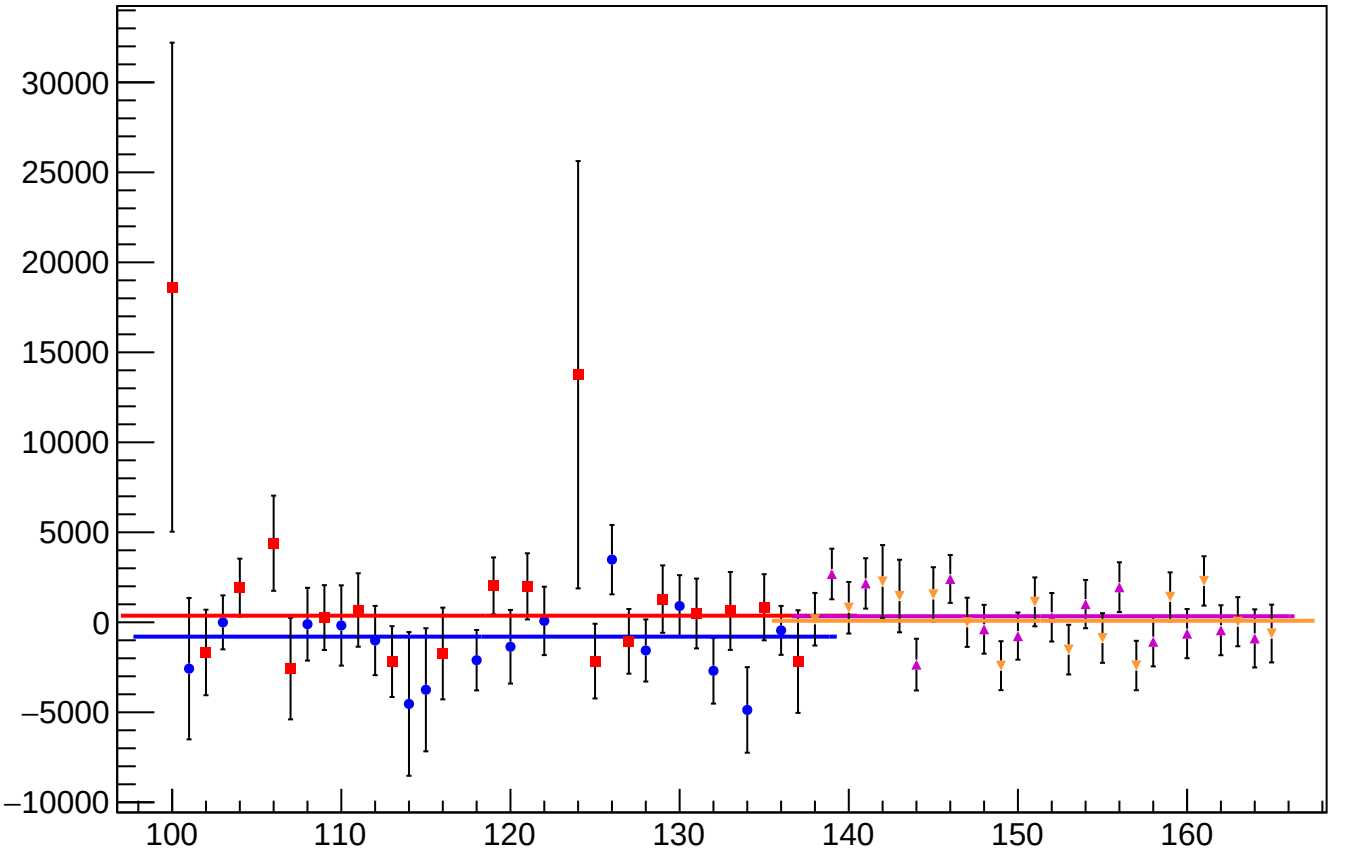
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.945+/-0.072 χ^2/NDF:619139.1/12

+ sign 336.370+/-0.060 χ^2/NDF: 6517355.9/30

All: 340.850+/-0.043 χ^2/NDF: 11335314.9/62

- sign 345.573+/-0.062 χ^2/NDF: 4806615.9/31



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

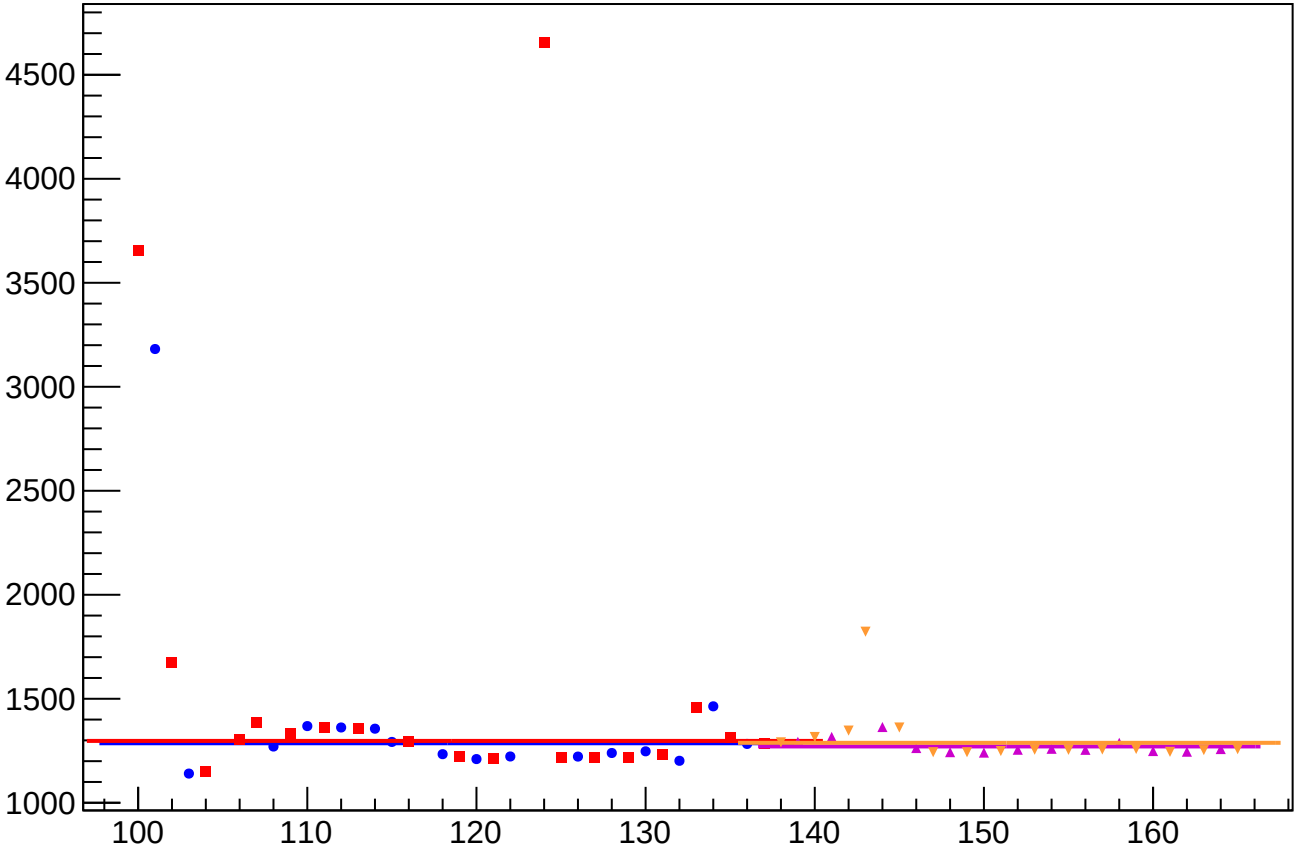
Left In: 335.915+/-383.793 χ^2/NDF:15.5/12

+ sign -243.396+/-297.648 χ^2/NDF: 31.1/30

All: 48.726+/-211.742 χ^2/NDF: 64.2/62

- sign 348.027+/-301.282 χ^2/NDF: 31.1/31

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1288.231+/-0.266 χ^2/NDF:162057.2/14

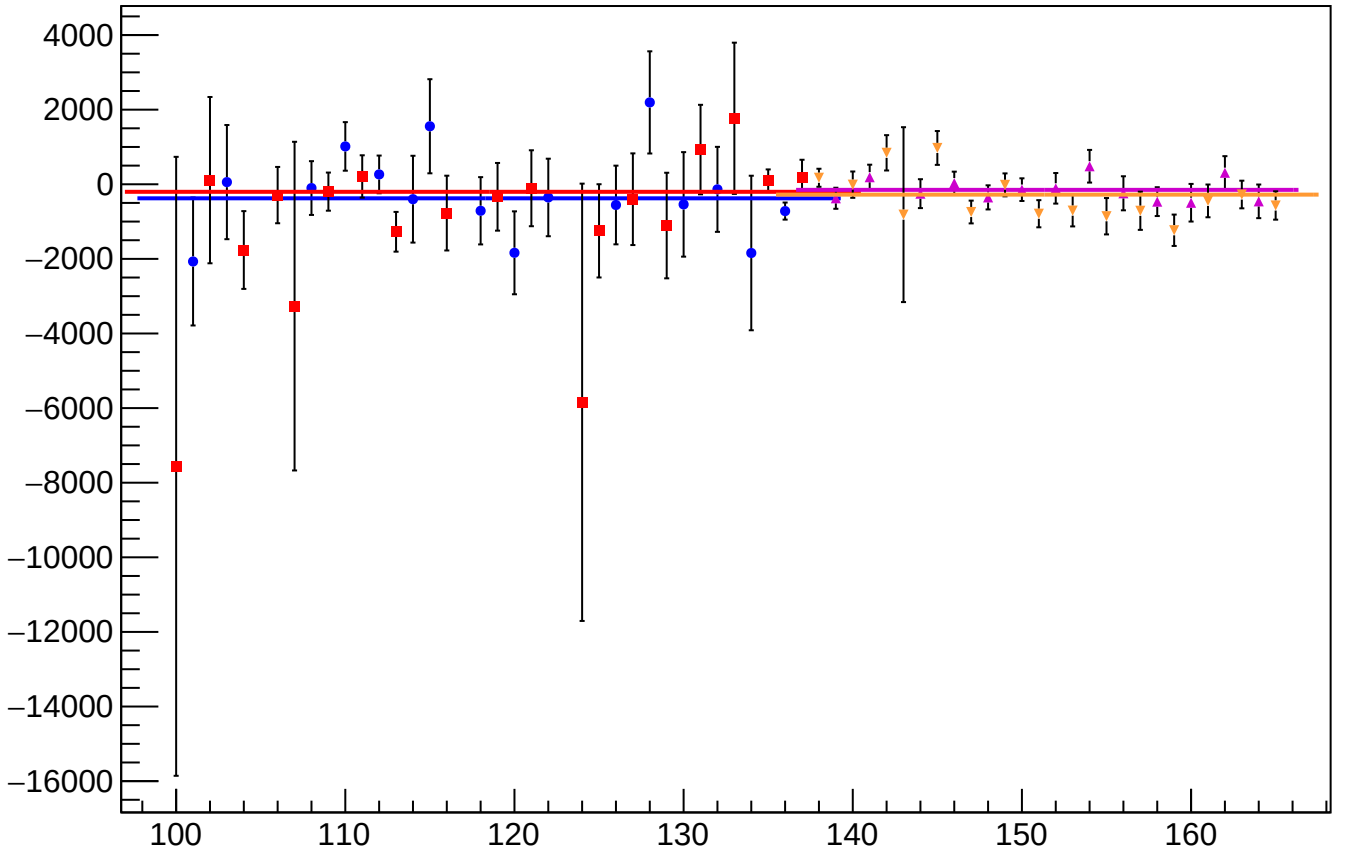
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1287.435+/-0.210 χ^2/NDF: 680209.6/30

All: 1284.248+/-0.150 χ^2/NDF: 1027432.7/62

- sign 1280.983+/-0.213 χ^2/NDF: 346758.9/31



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -277.637+/-98.913 χ^2/NDF:31.4/14

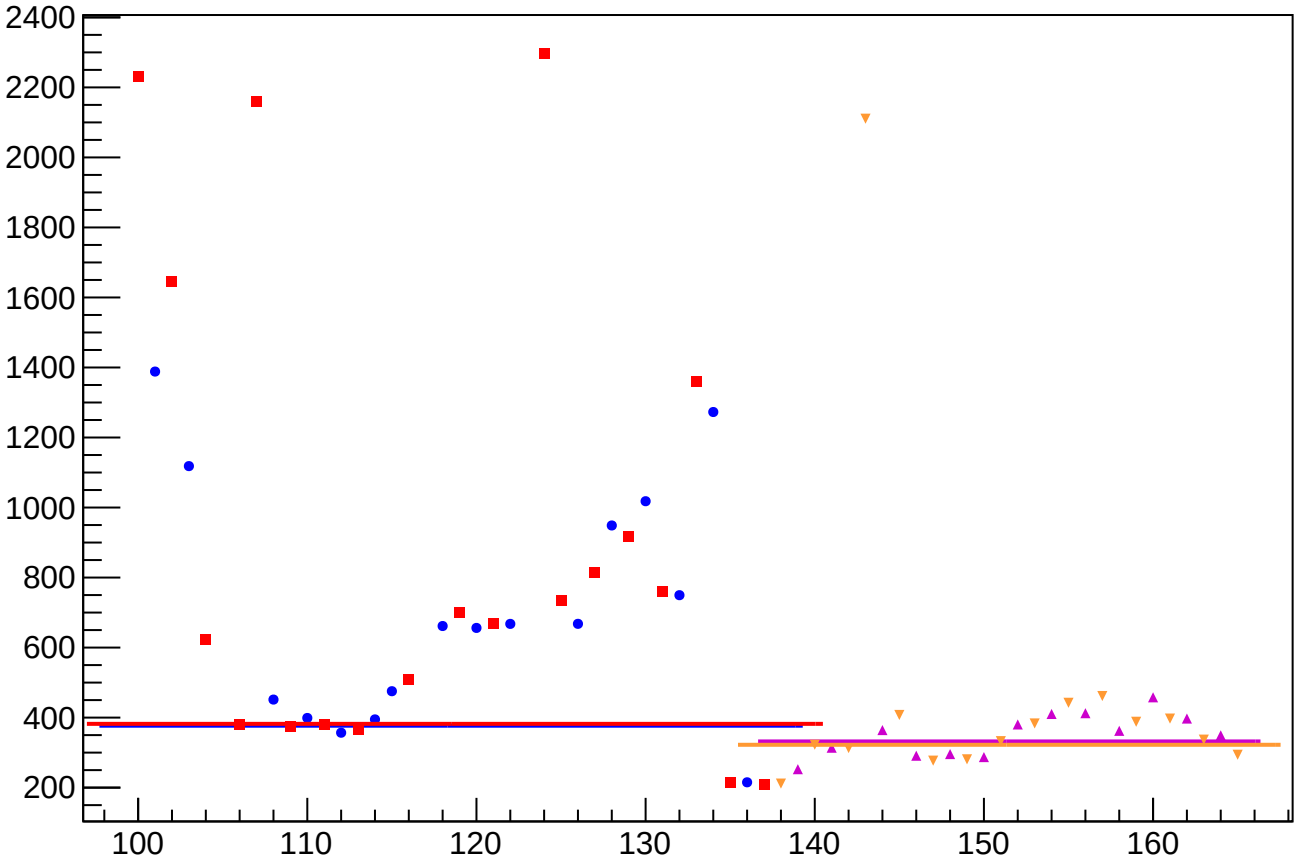
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -149.813+/-102.223 χ^2/NDF:7.3/12

+ sign -303.105+/-85.265 χ^2/NDF: 49.6/30

All: -235.262+/-61.073 χ^2/NDF: 72.3/62

- sign -163.785+/-87.519 χ^2/NDF: 21.4/31



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

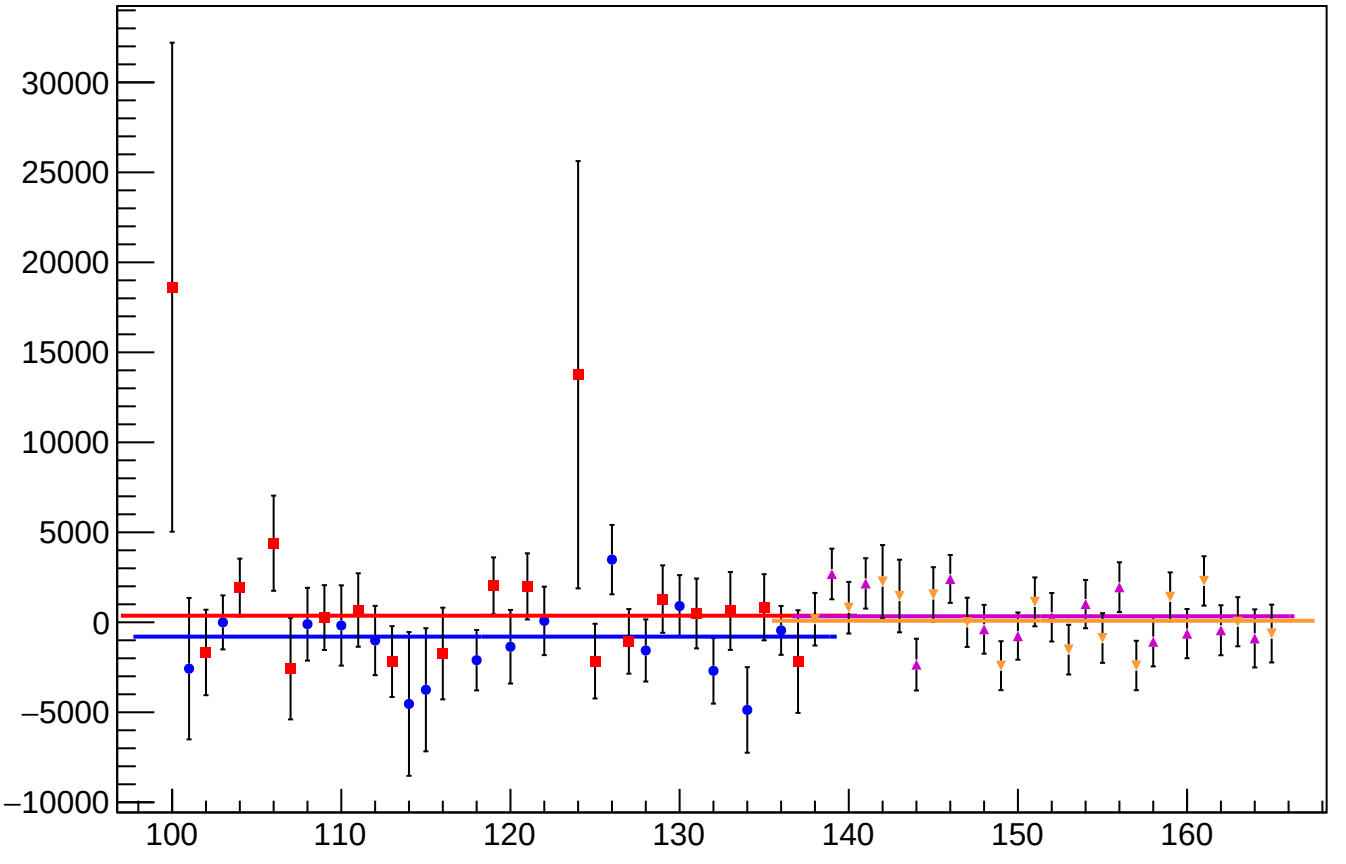
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

+ sign 336.370+/-0.060 χ^2/NDF: 6520280.2/30

All: 340.741+/-0.043 χ^2/NDF: 11338645.4/62

- sign 345.346+/-0.062 χ^2/NDF: 4807573.4/31



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 85.666+/-375.854 χ^2/NDF:15.7/14

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

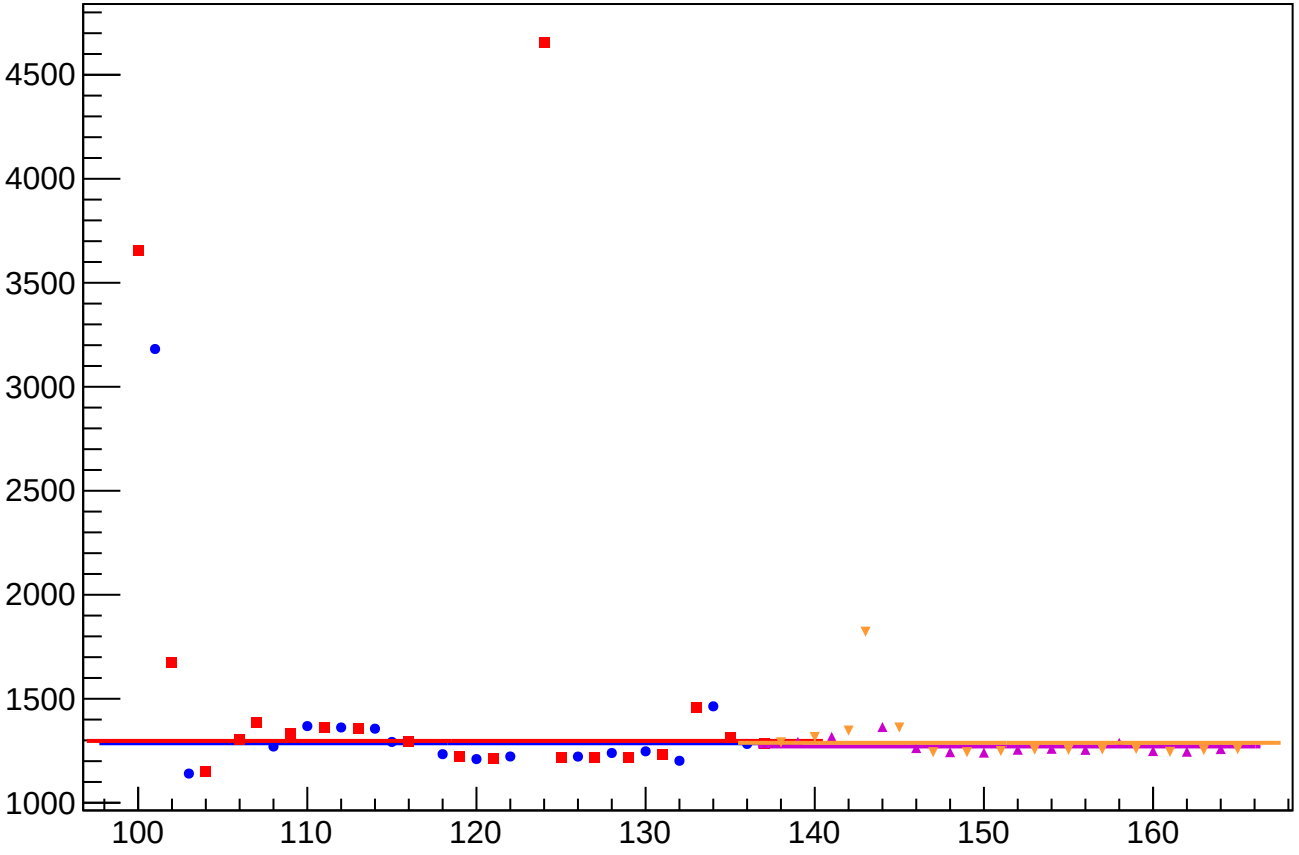
Left In: 335.915+/-383.793 χ^2/NDF:15.5/12

+ sign -243.396+/-297.648 χ^2/NDF: 31.1/30

All: 48.726+/-211.742 χ^2/NDF: 64.2/62

- sign 348.027+/-301.282 χ^2/NDF: 31.1/31

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: 1288.231+/-0.266 χ^2/NDF:162057.2/14

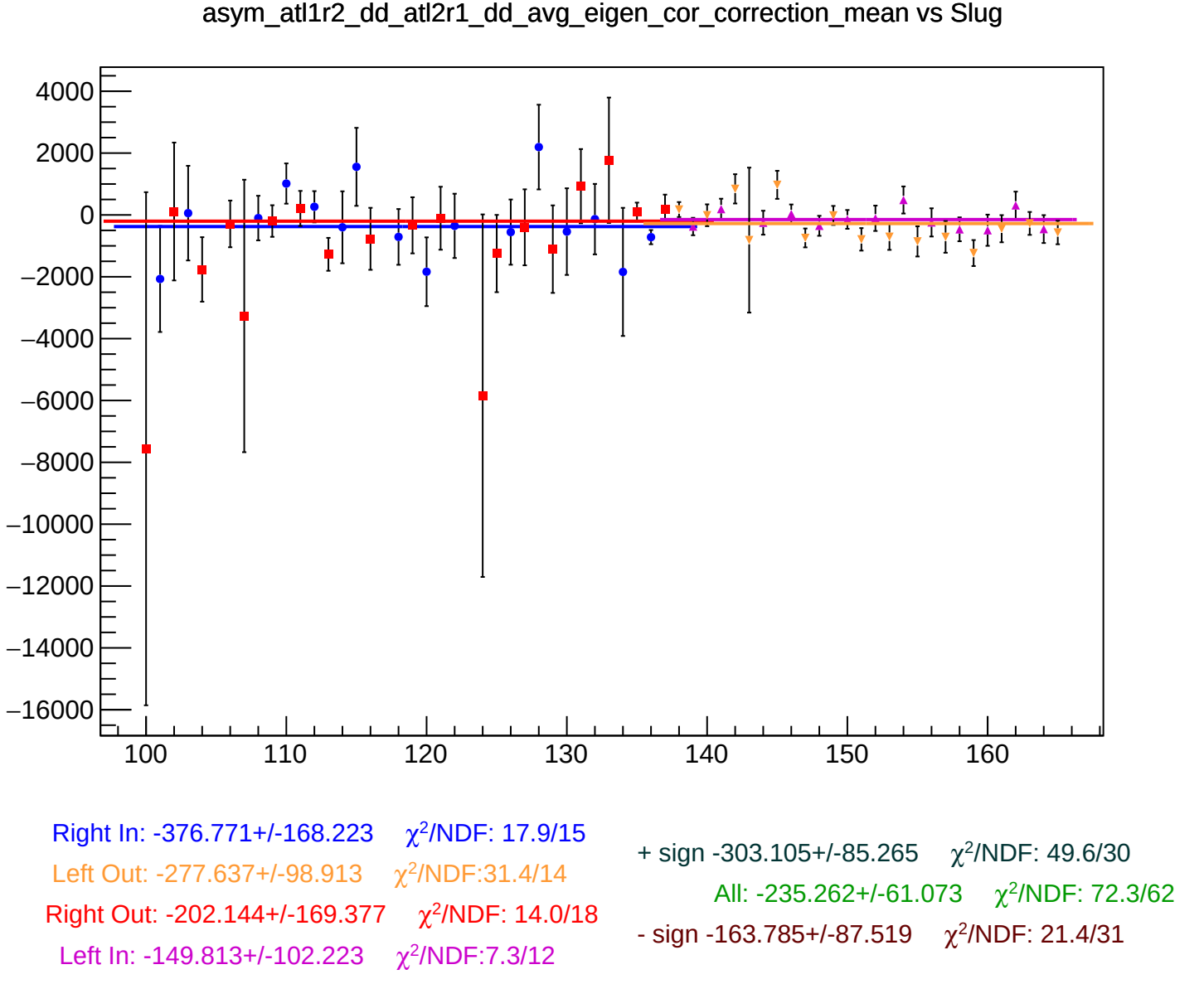
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

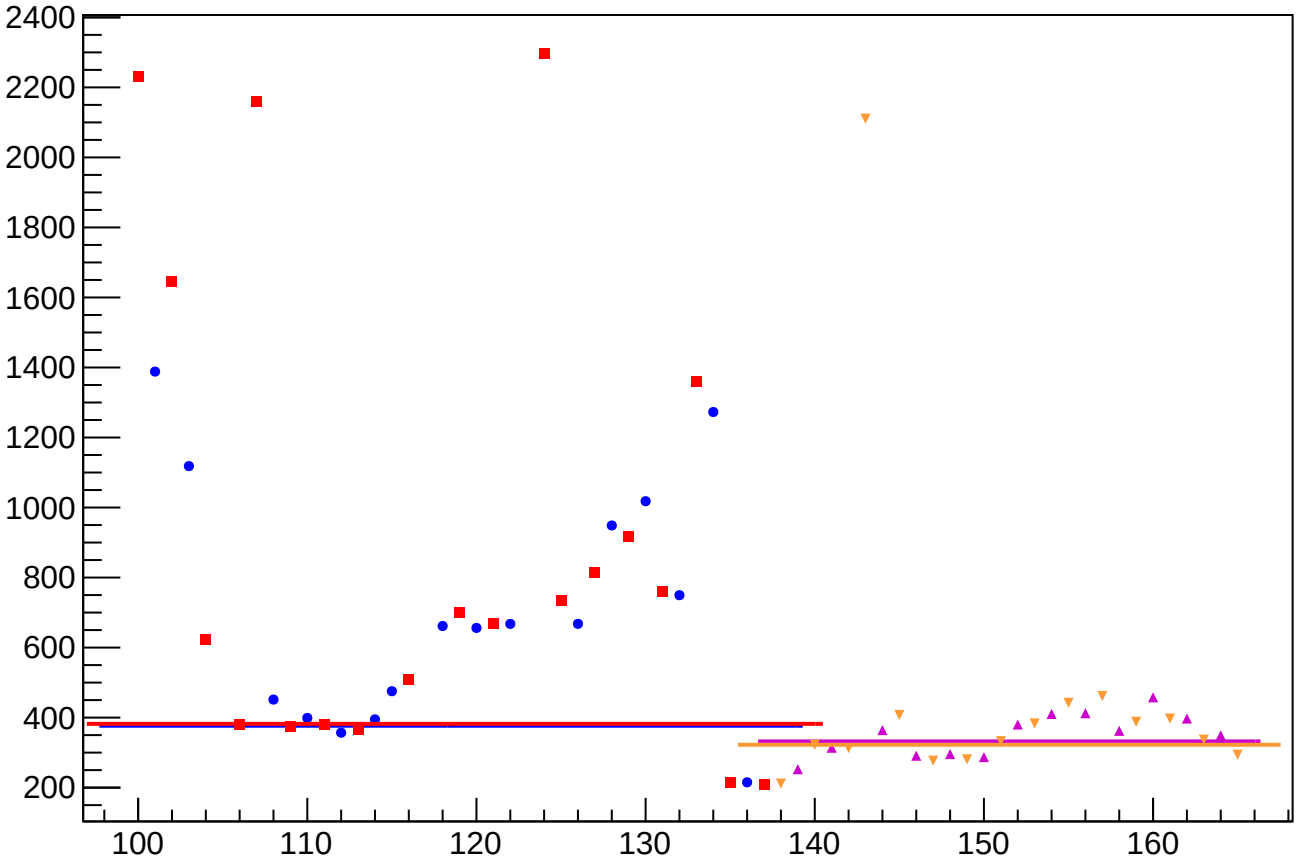
Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

+ sign 1287.435+/-0.210 χ^2/NDF: 680209.6/30

All: 1284.248+/-0.150 χ^2/NDF: 1027432.7/62

- sign 1280.983+/-0.213 χ^2/NDF: 346758.9/31


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
Right In: -376.771+/-168.223 χ²/NDF: 17.9/15
Left Out: -277.637+/-98.913 χ²/NDF:31.4/14
Right Out: -202.144+/-169.377 χ²/NDF: 14.0/18
Left In: -149.813+/-102.223 χ²/NDF:7.3/12
+ sign -303.105+/-85.265 χ²/NDF: 49.6/30
All: -235.262+/-61.073 χ²/NDF: 72.3/62
- sign -163.785+/-87.519 χ²/NDF: 21.4/31



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 322.364+/-0.070 χ^2/NDF:2170846.3/14

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

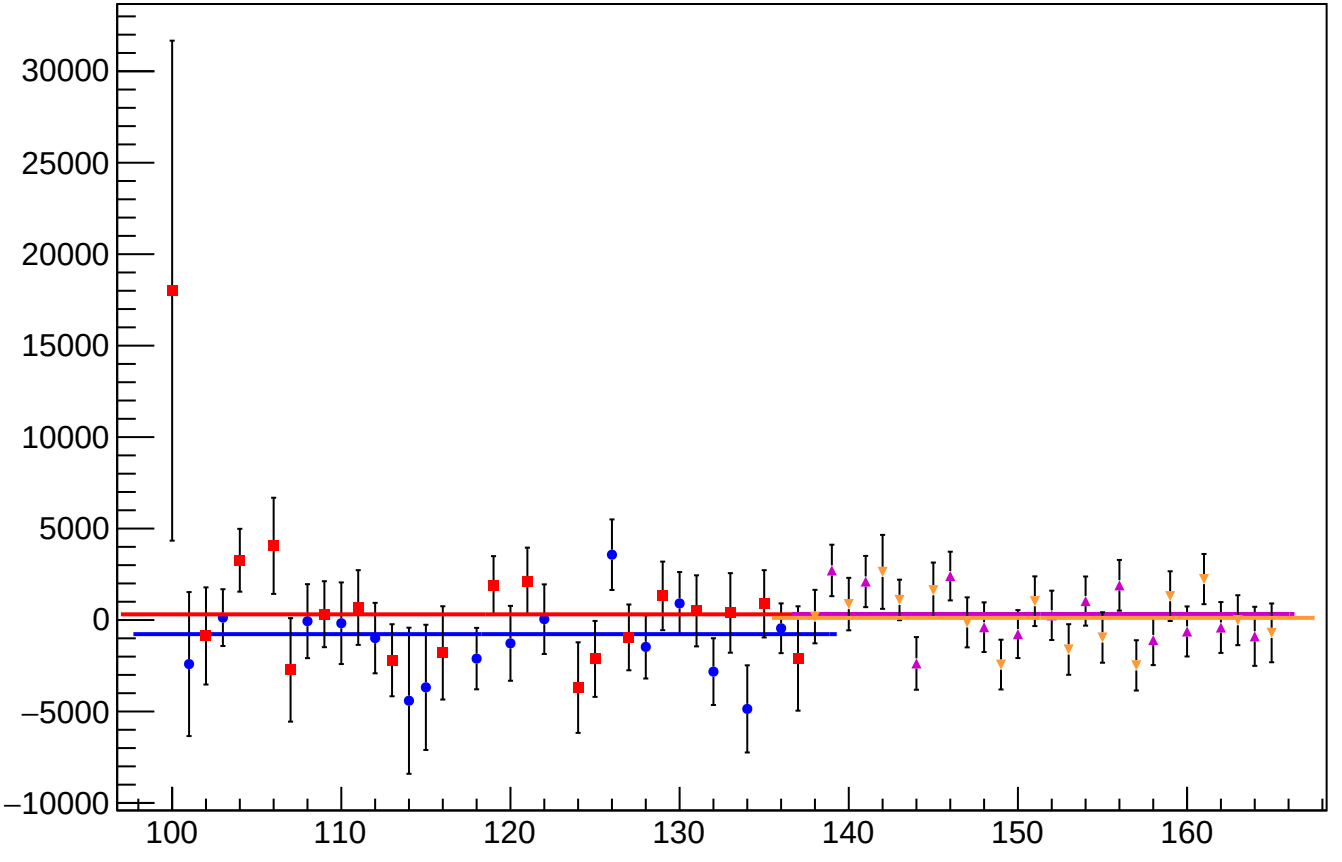
Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

+ sign 336.370+/-0.060 χ^2/NDF: 6520280.2/30

All: 340.741+/-0.043 χ^2/NDF: 11338645.4/62

- sign 345.346+/-0.062 χ^2/NDF: 4807573.4/31

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.255+/-361.773 χ^2/NDF:16.8/14

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

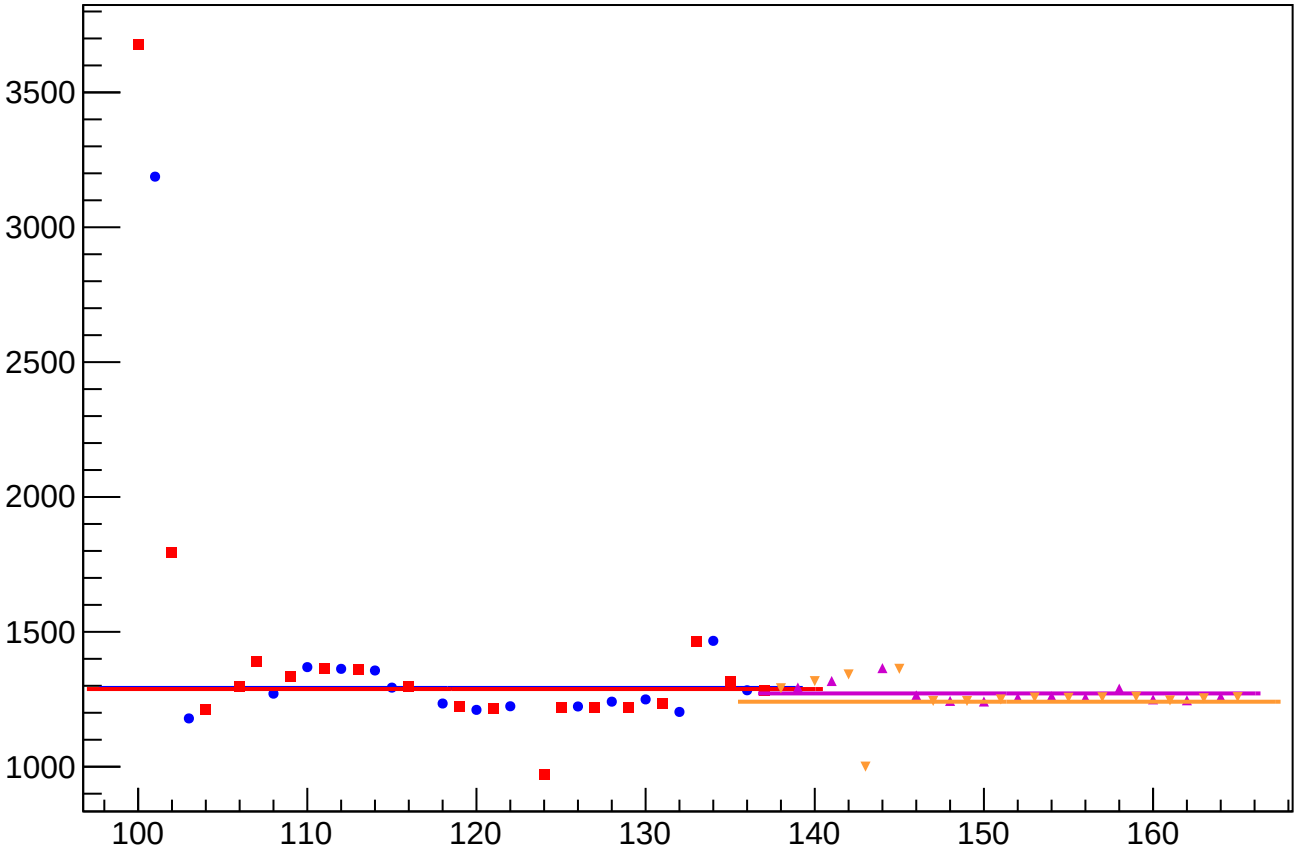
Left In: 329.299+/-384.092 χ^2/NDF:15.4/12

+ sign -196.622+/-290.959 χ^2/NDF: 32.5/30

All: 54.469+/-209.044 χ^2/NDF: 67.4/62

- sign 322.365+/-300.538 χ^2/NDF: 33.3/31

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.994+/-0.256 χ^2/NDF:122152.0/14

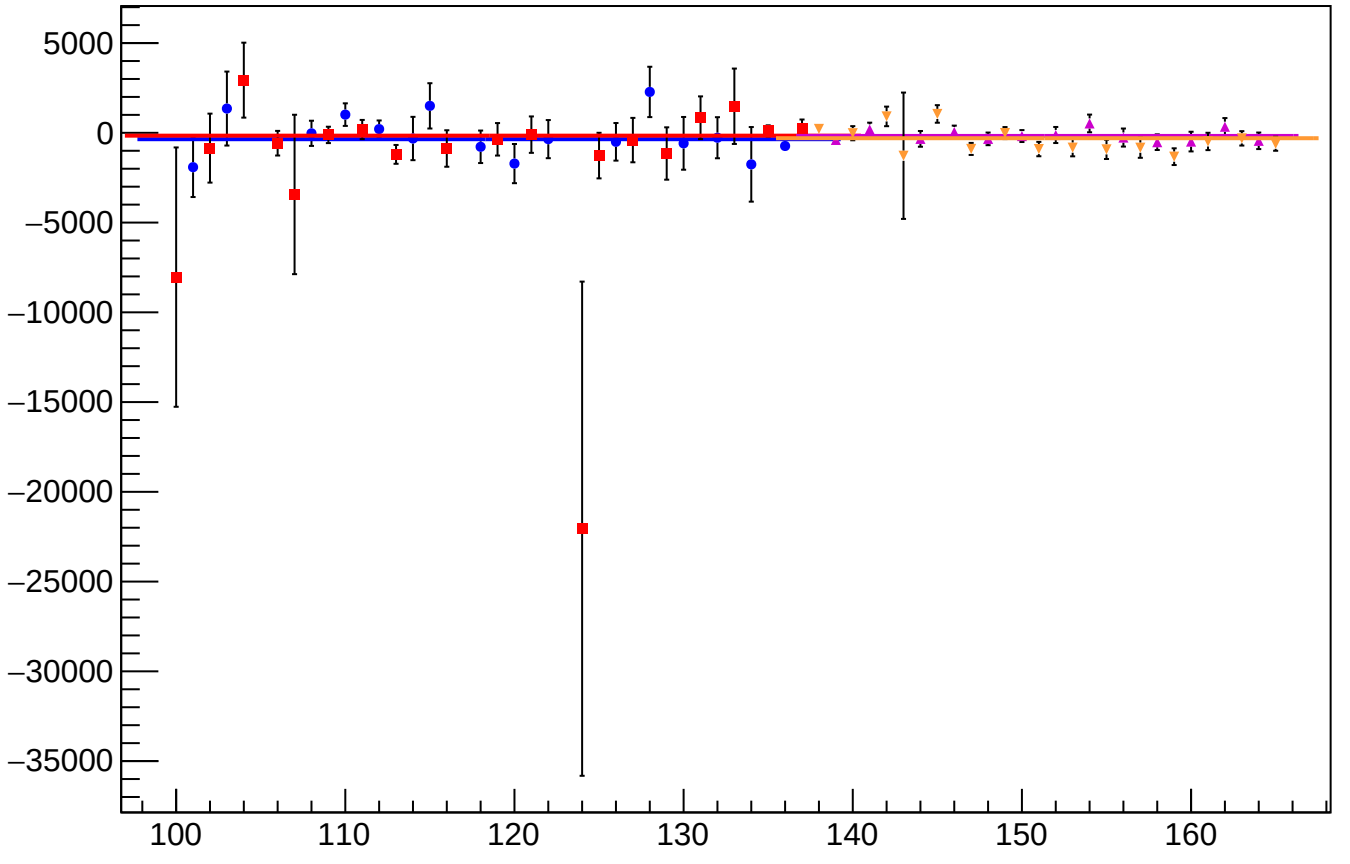
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

\+ sign 1259.021+/-0.206 χ^2/NDF: 645619.4/30

All: 1268.225+/-0.148 χ^2/NDF: 875760.2/62

\- sign 1278.045+/-0.213 χ^2/NDF: 226004.1/31



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -300.317+/-106.857 χ^2/NDF:32.9/14

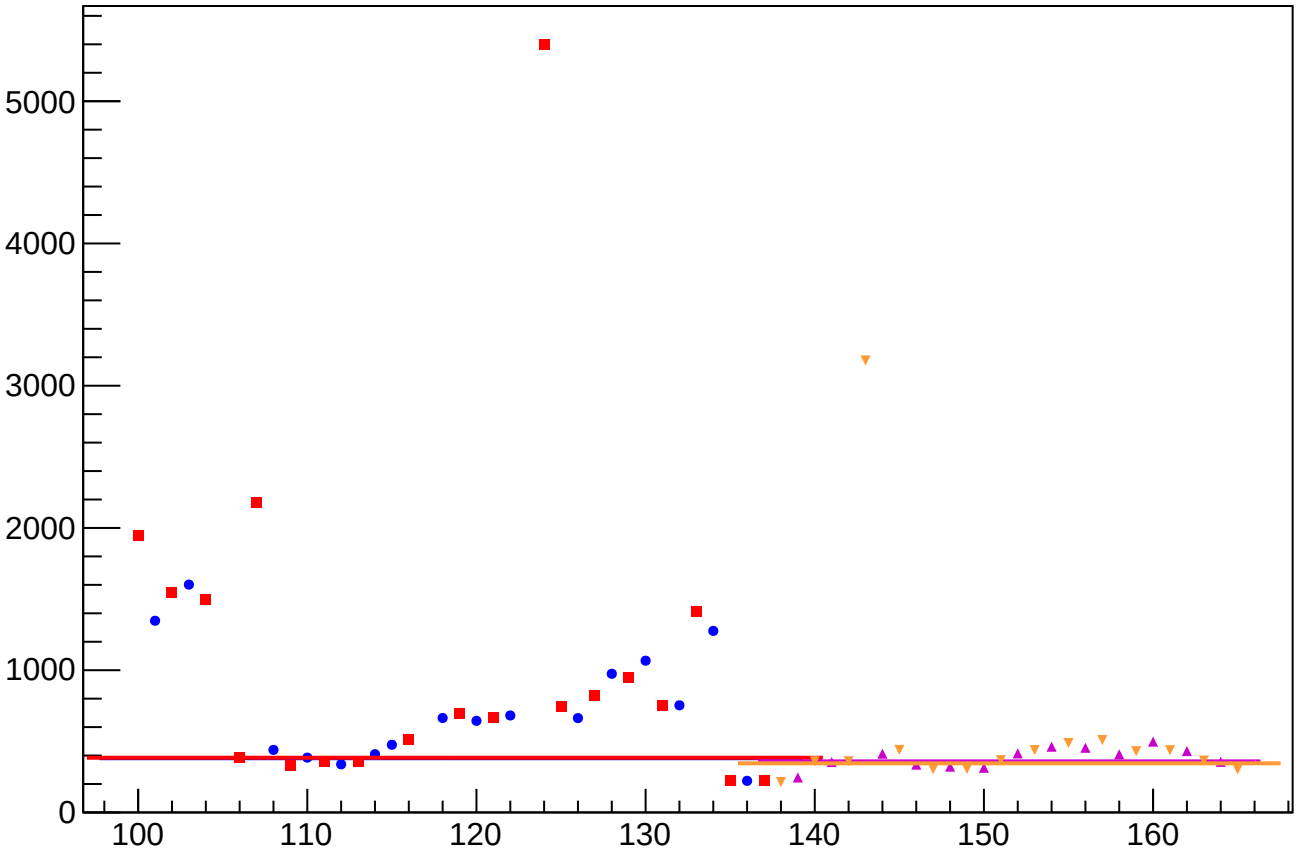
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -173.598+/-111.097 χ^2/NDF:6.8/12

+ sign -315.871+/-90.464 χ^2/NDF: 51.4/30

All: -244.370+/-64.827 χ^2/NDF: 75.3/62

- sign -168.894+/-92.944 χ^2/NDF: 22.6/31



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 345.379+/-0.076 χ^2/NDF:2571828.7/14

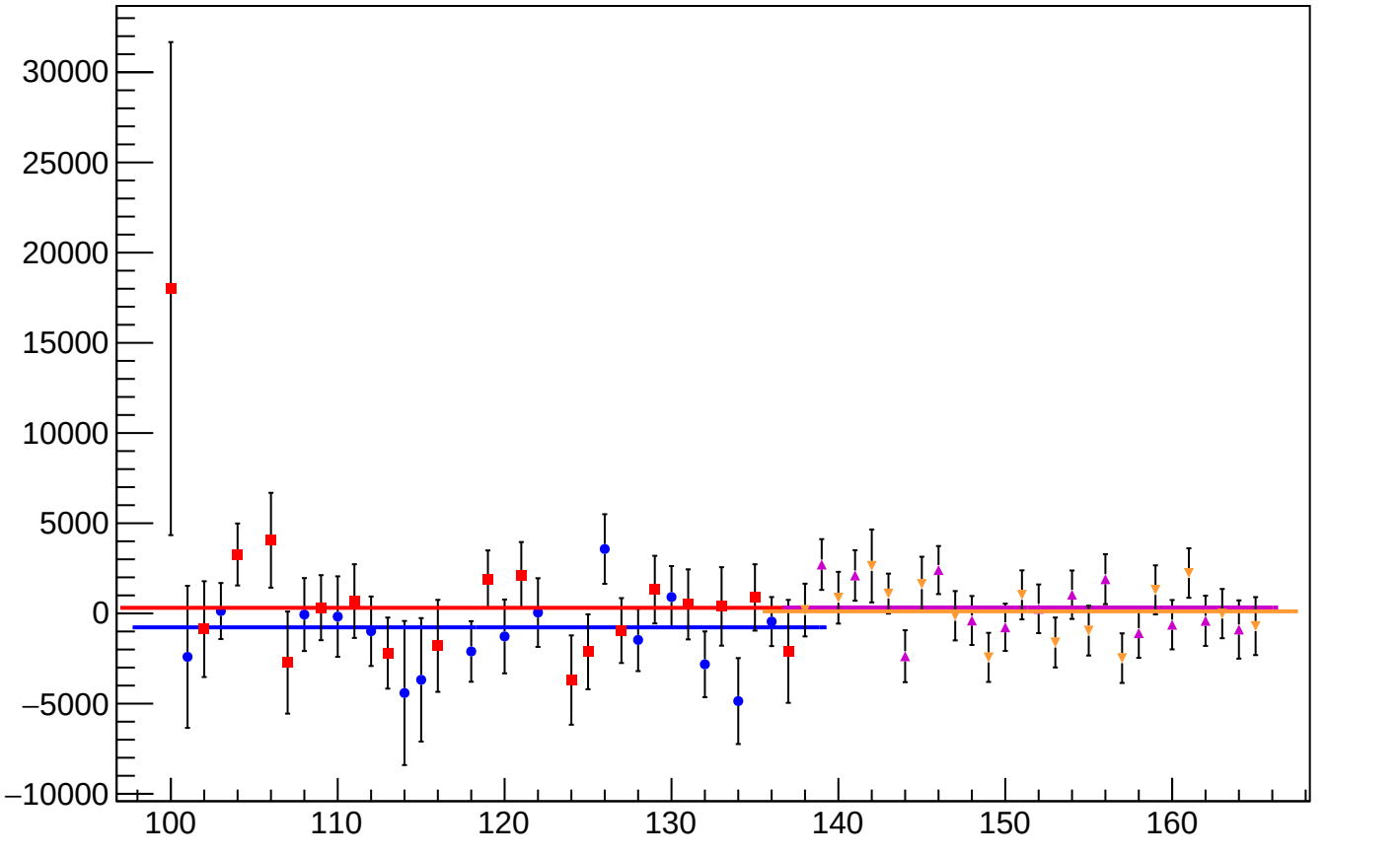
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 359.015+/-0.079 χ^2/NDF:823721.0/12

+ sign 355.569+/-0.064 χ^2/NDF: 6953947.3/30

All: 360.988+/-0.046 χ^2/NDF: 12384587.2/62

- sign 366.708+/-0.066 χ^2/NDF: 5415888.1/31



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 117.256+/-361.773 χ^2/NDF:16.8/14

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

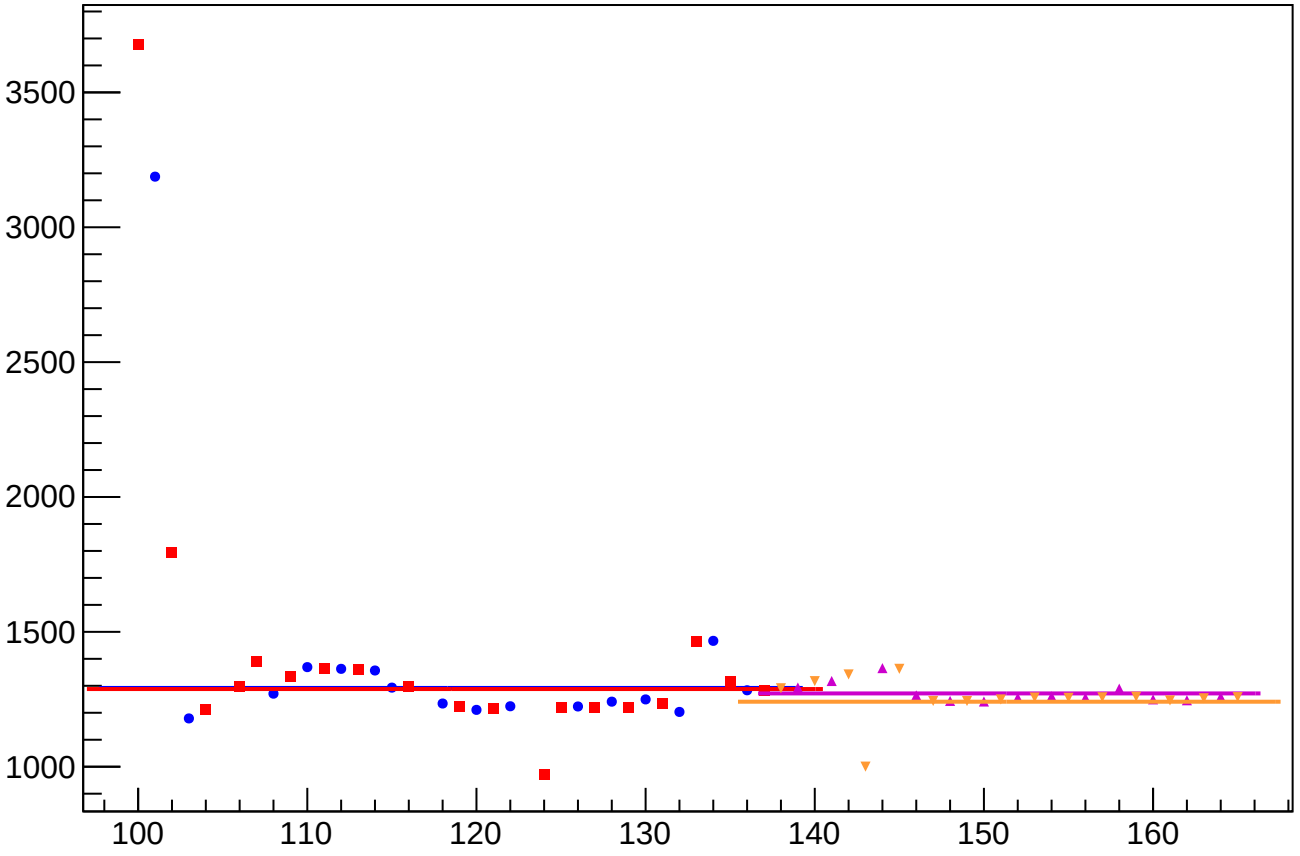
Left In: 329.299+/-384.092 χ^2/NDF:15.4/12

+ sign -196.622+/-290.959 χ^2/NDF: 32.5/30

All: 54.469+/-209.044 χ^2/NDF: 67.4/62

- sign 322.366+/-300.538 χ^2/NDF: 33.3/31

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: 1240.994+/-0.256 χ^2/NDF:122151.2/14

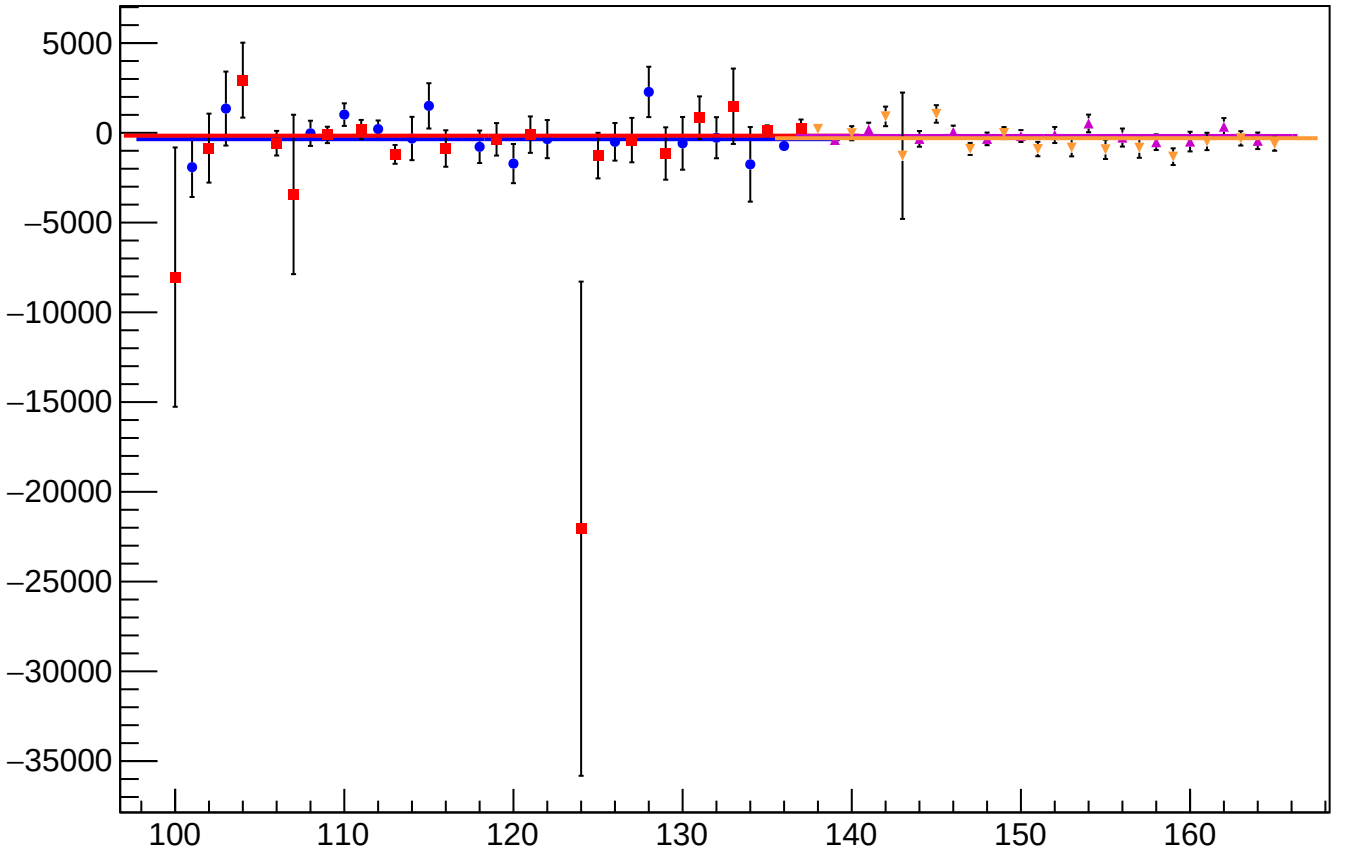
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

+ sign 1259.021+/-0.206 χ^2/NDF: 645618.5/30

All: 1268.225+/-0.148 χ^2/NDF: 875759.6/62

- sign 1278.045+/-0.213 χ^2/NDF: 226004.4/31



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -300.327+/-106.858 χ^2/NDF:32.9/14

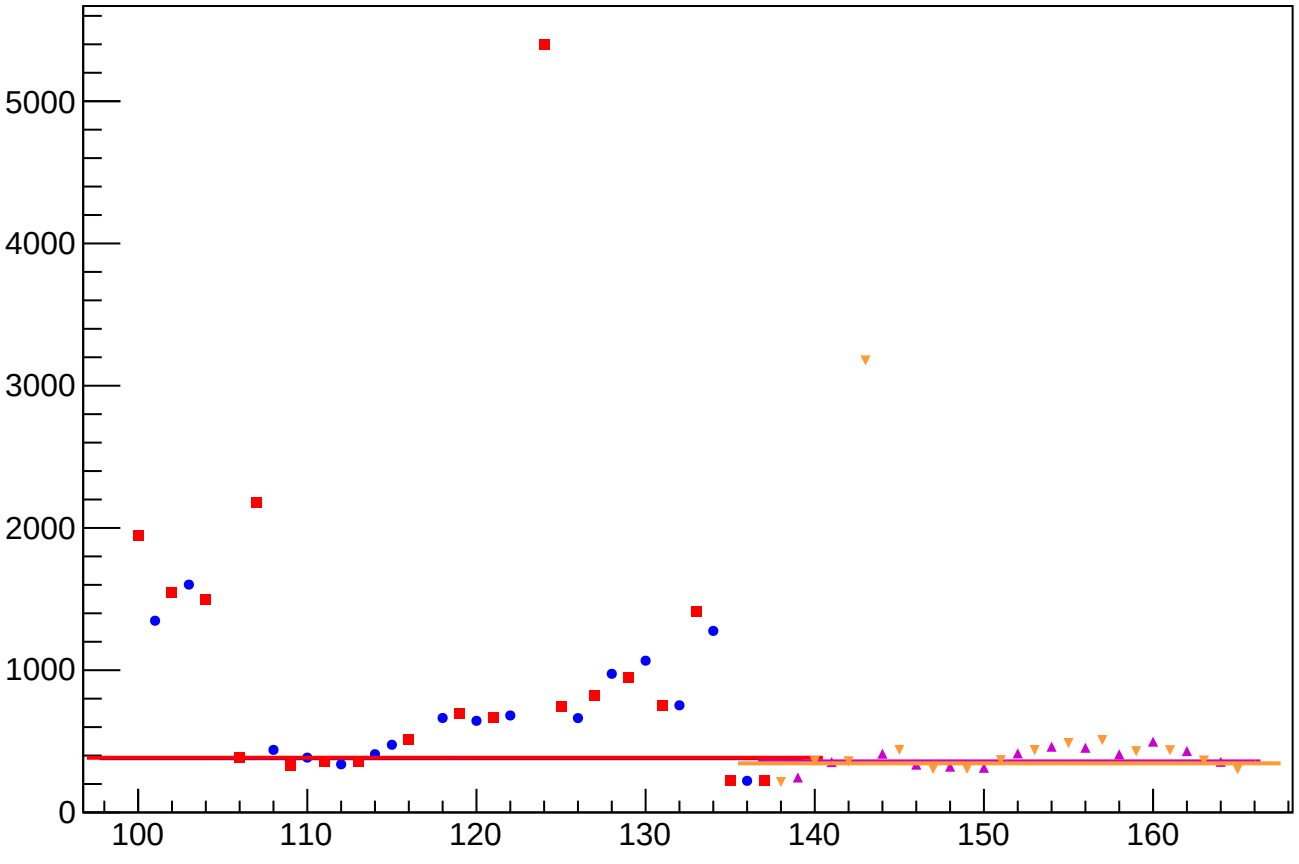
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -173.598+/-111.098 χ^2/NDF:6.8/12

+ sign -315.879+/-90.466 χ^2/NDF: 51.4/30

All: -244.374+/-64.828 χ^2/NDF: 75.3/62

- sign -168.896+/-92.945 χ^2/NDF: 22.6/31



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 345.385+/-0.076 χ^2/NDF:2571649.8/14

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

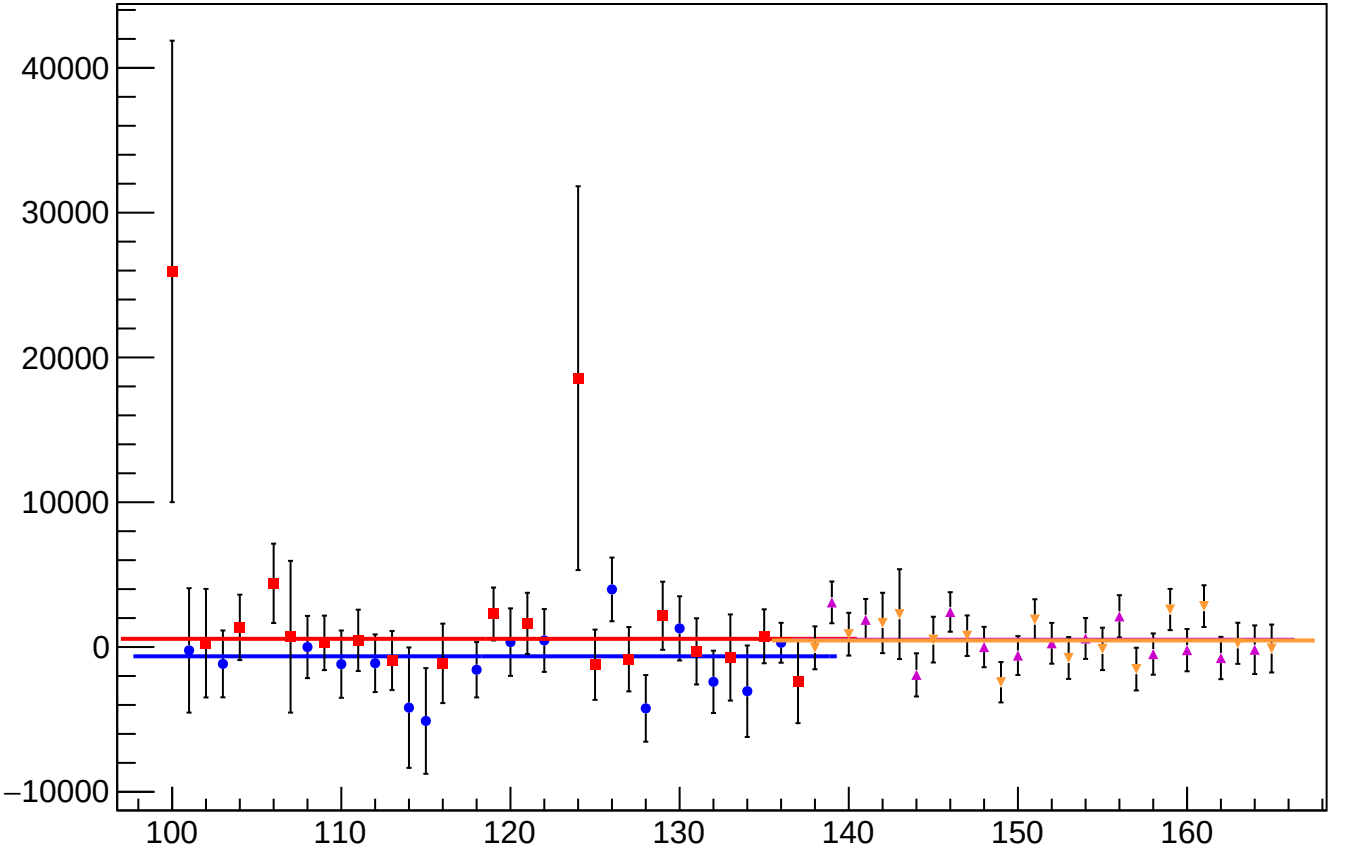
Left In: 359.018+/-0.079 χ^2/NDF:823611.7/12

+ sign 355.575+/-0.064 χ^2/NDF: 6953598.6/30

All: 360.993+/-0.046 χ^2/NDF: 12383993.9/62

- sign 366.713+/-0.066 χ^2/NDF: 5415647.7/31

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 453.803+/-394.740 χ^2/NDF:14.0/14

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

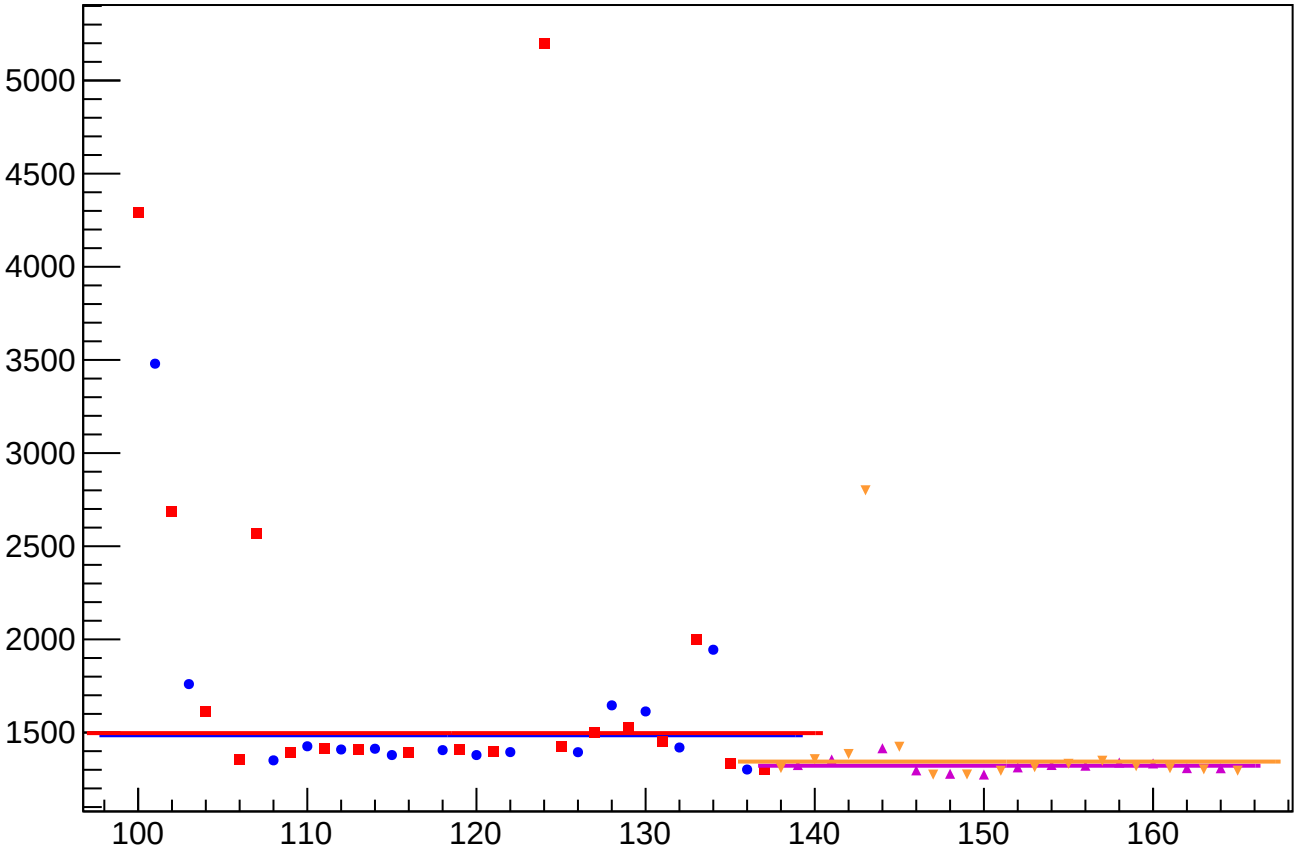
Left In: 503.721+/-399.228 χ^2/NDF:12.4/12

+ sign 94.212+/-323.469 χ^2/NDF: 29.0/30

All: 307.568+/-229.751 χ^2/NDF: 53.7/62

- sign 524.790+/-326.386 χ^2/NDF: 23.8/31

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1344.057+/-0.279 χ^2/NDF:466121.0/14

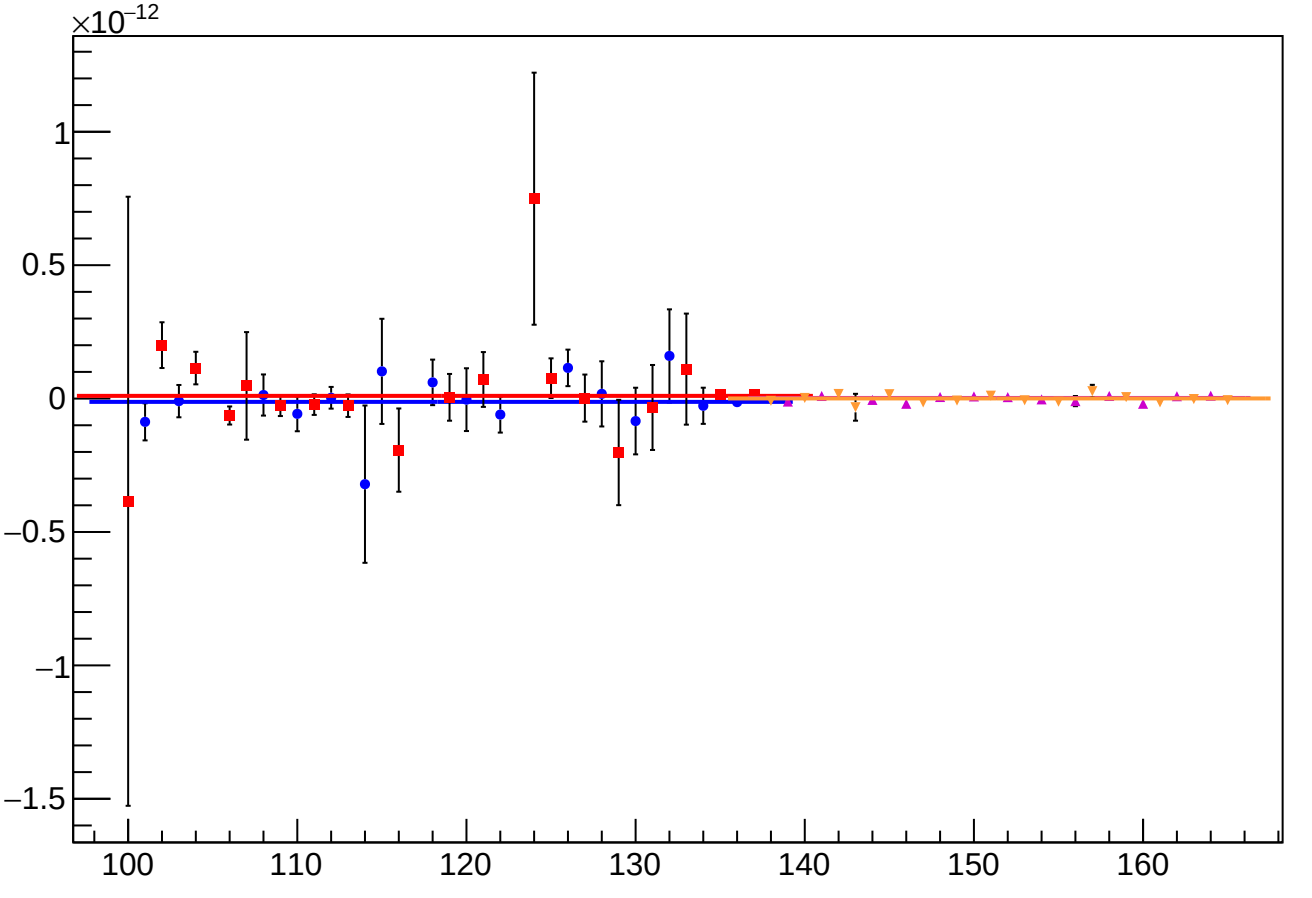
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.840+/-0.282 χ^2/NDF:14847.2/12

+ sign 1390.479+/-0.229 χ^2/NDF: 1134791.7/30

All: 1385.229+/-0.162 χ^2/NDF: 1901473.3/62

- sign 1379.883+/-0.231 χ^2/NDF: 765618.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/14

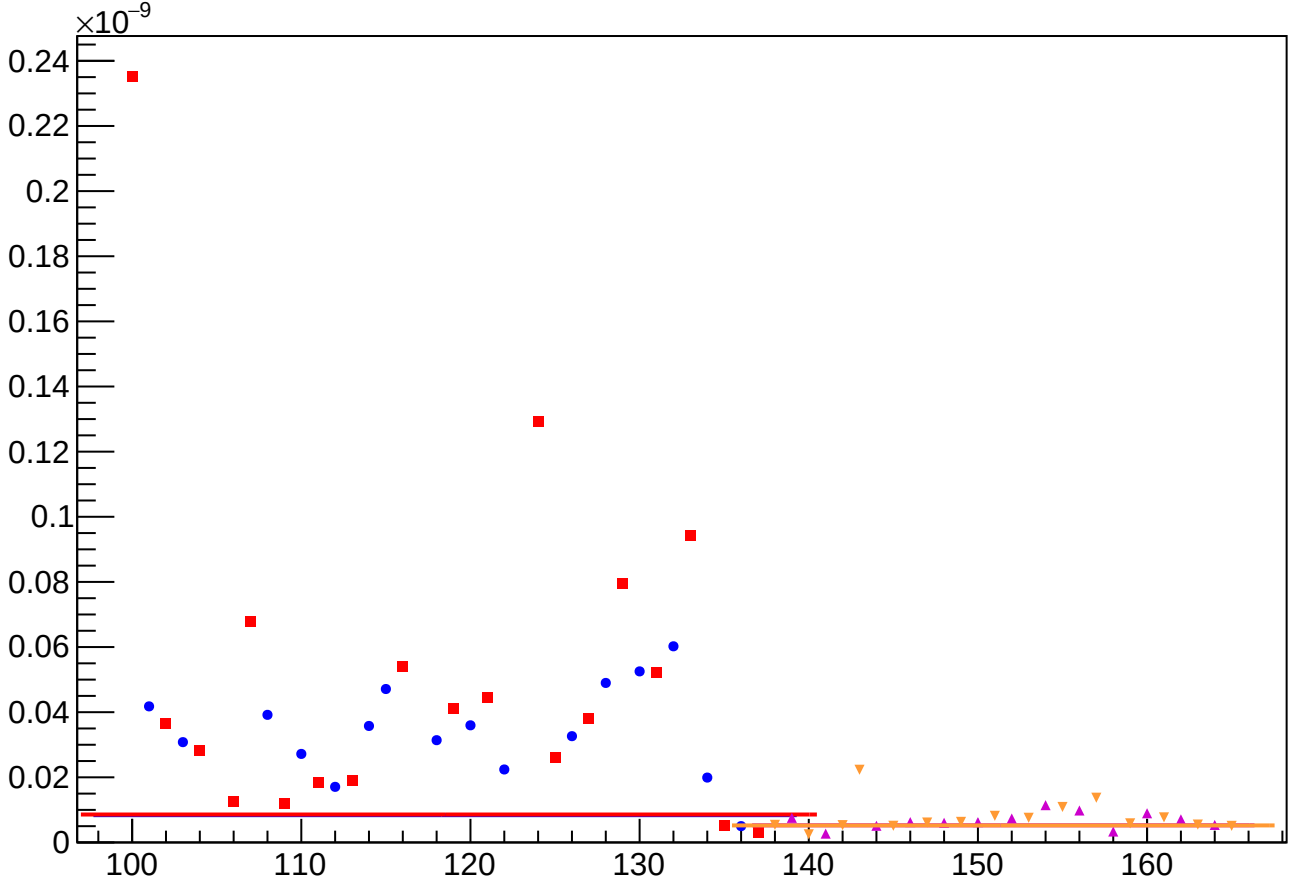
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 26.2/30

All: 0.000+/-0.000 χ^2/NDF: 64.3/62

- sign 0.000+/-0.000 χ^2/NDF: 36.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619478.6/14

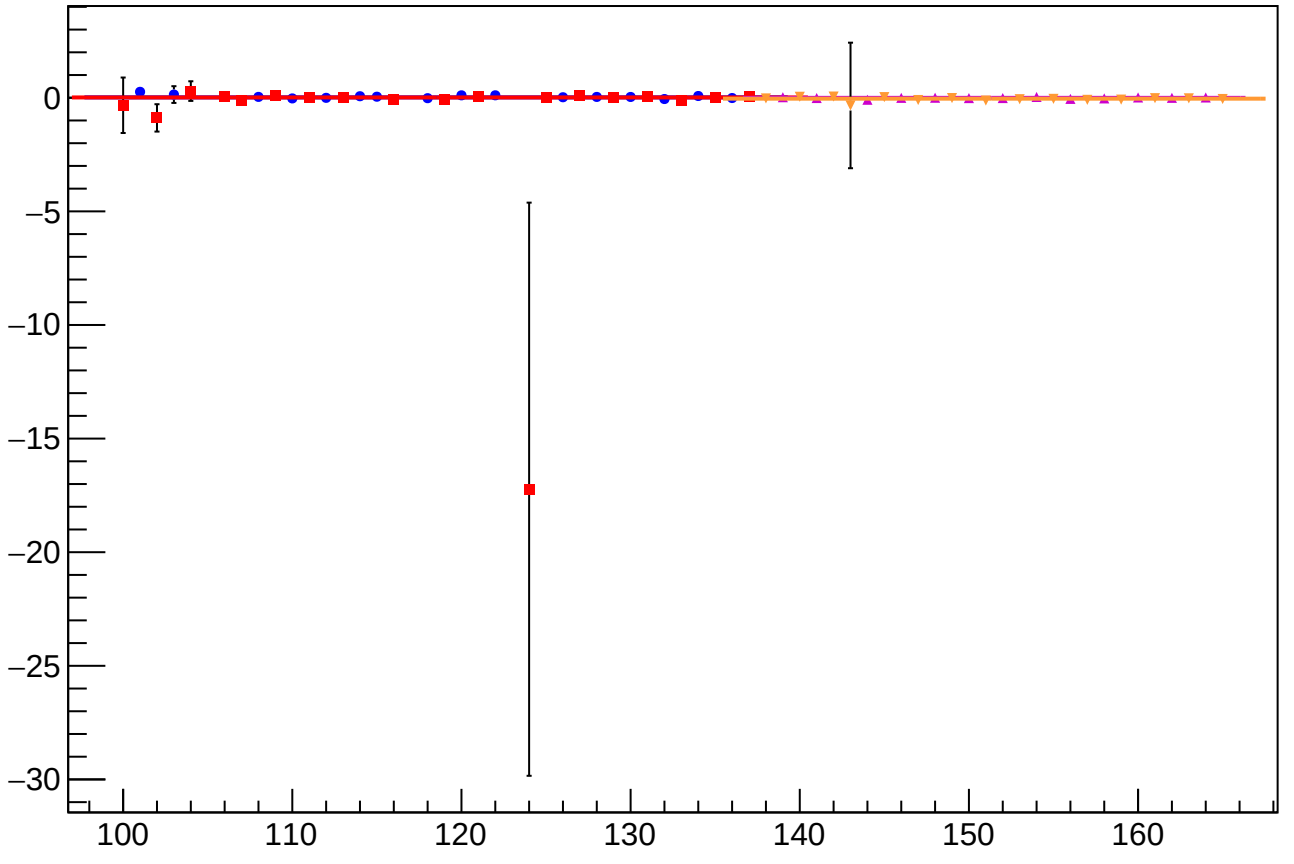
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1252093.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 4998498.8/30

All: 0.000+/-0.000 χ^2/NDF: 9904083.5/62

- sign 0.000+/-0.000 χ^2/NDF: 4905360.4/31



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

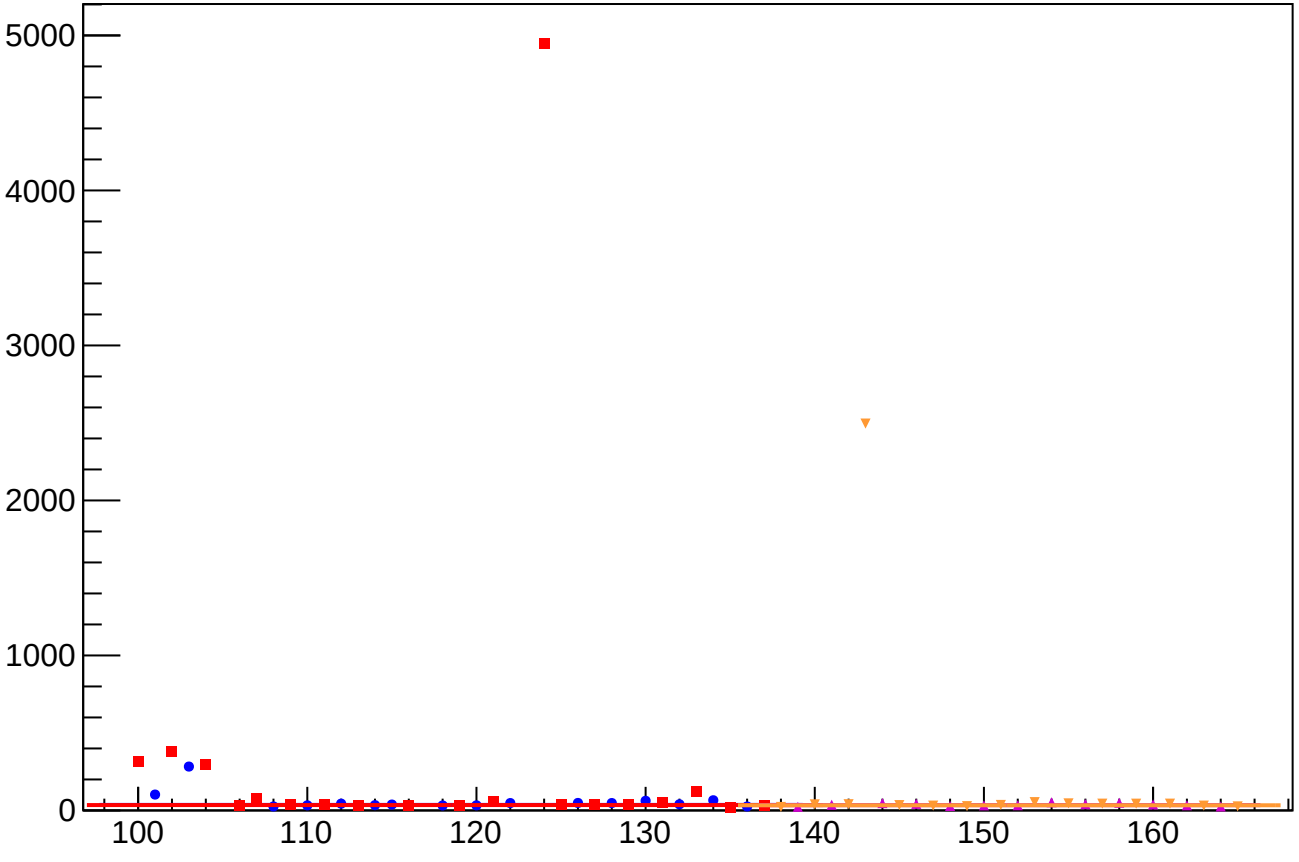
Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.021+/-0.009 χ^2/NDF: 38.2/30

All: -0.010+/-0.006 χ^2/NDF: 63.8/62

- sign 0.002+/-0.009 χ^2/NDF: 22.4/31

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.431+/-0.008 χ^2/NDF:2706581.9/14

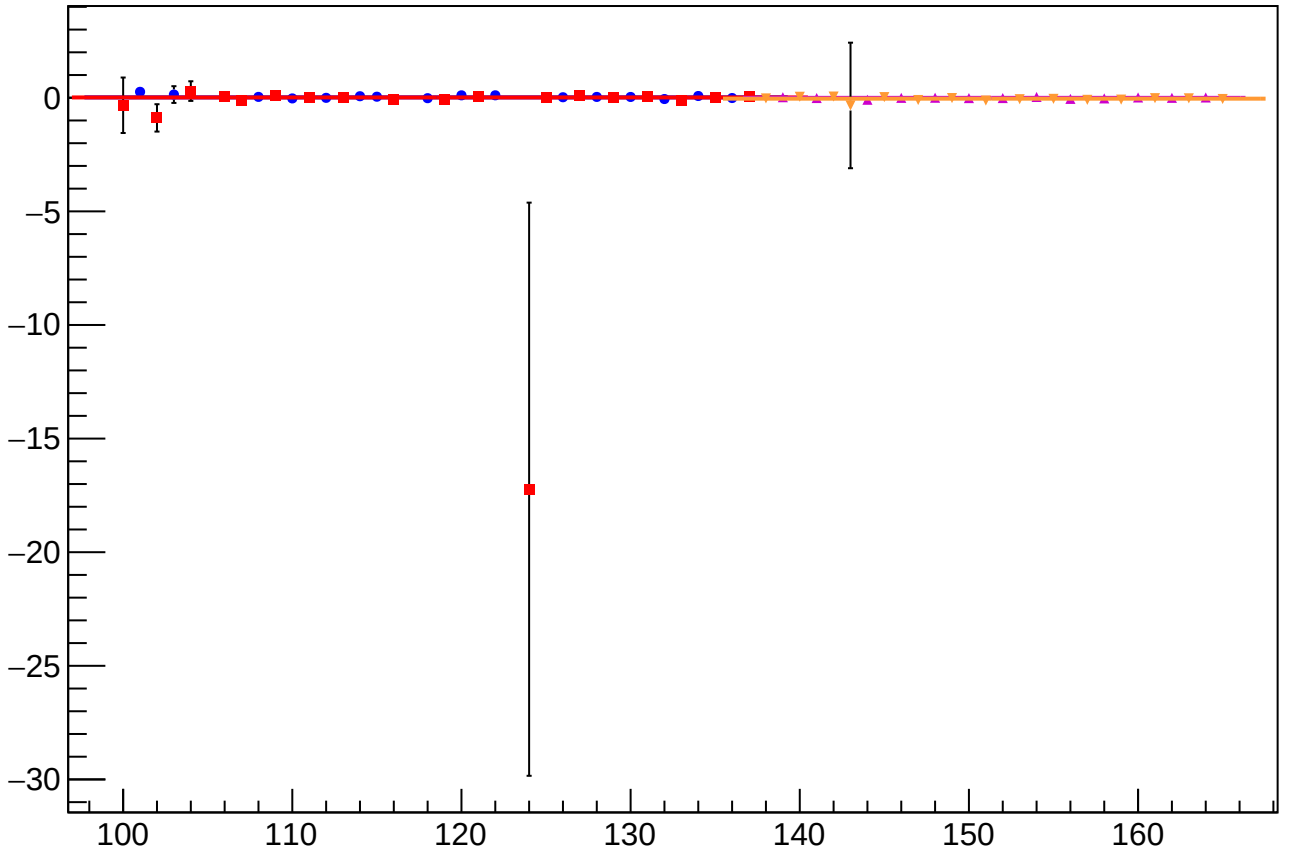
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

\+ sign 34.211+/-0.006 χ^2/NDF: 5001027.1/30

All: 34.358+/-0.005 χ^2/NDF: 8965332.7/62

\- sign 34.512+/-0.007 χ^2/NDF: 3963204.9/31



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

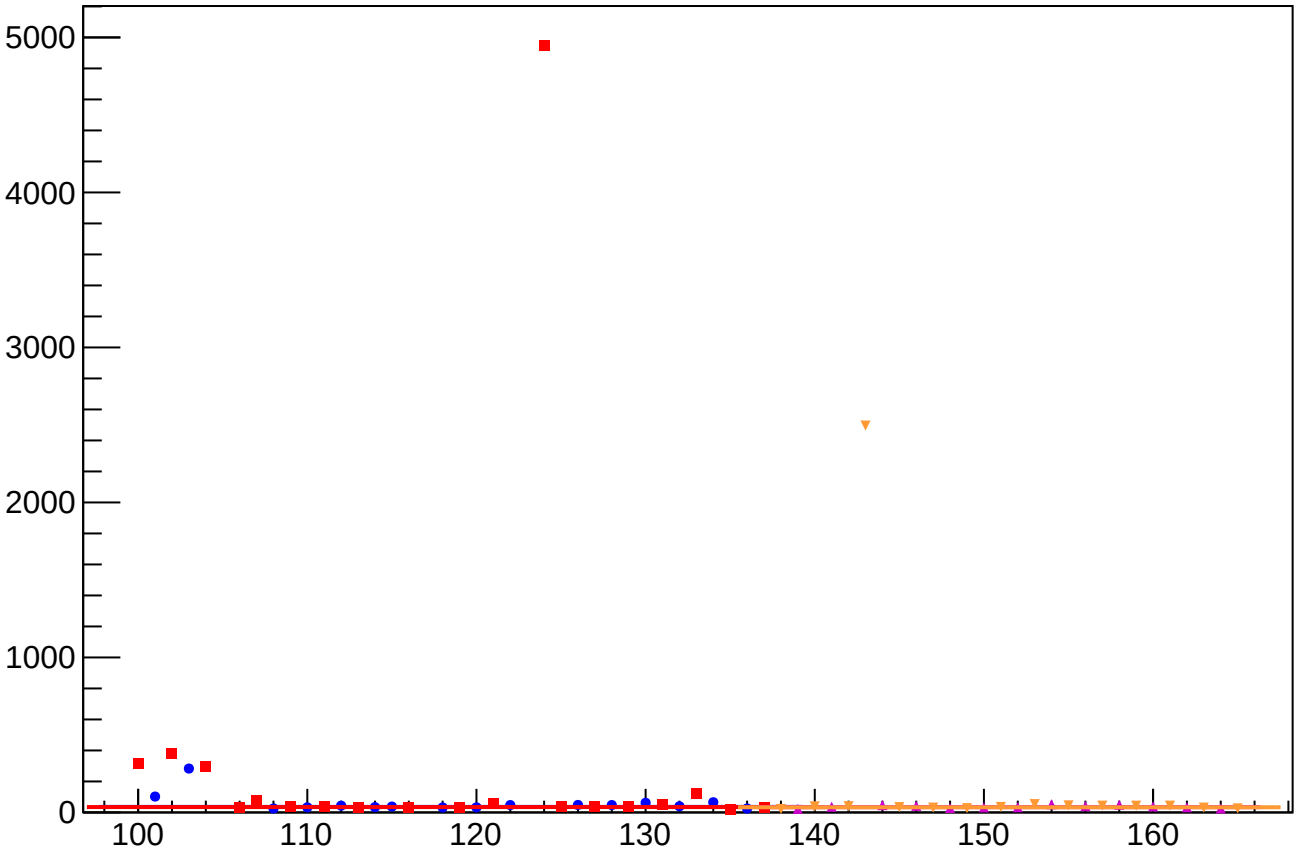
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.021+/-0.009 χ^2/NDF: 38.2/30

All: -0.010+/-0.006 χ^2/NDF: 63.8/62

- sign 0.002+/-0.009 χ^2/NDF: 22.4/31



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.431+/-0.008 χ^2/NDF:2706581.9/14

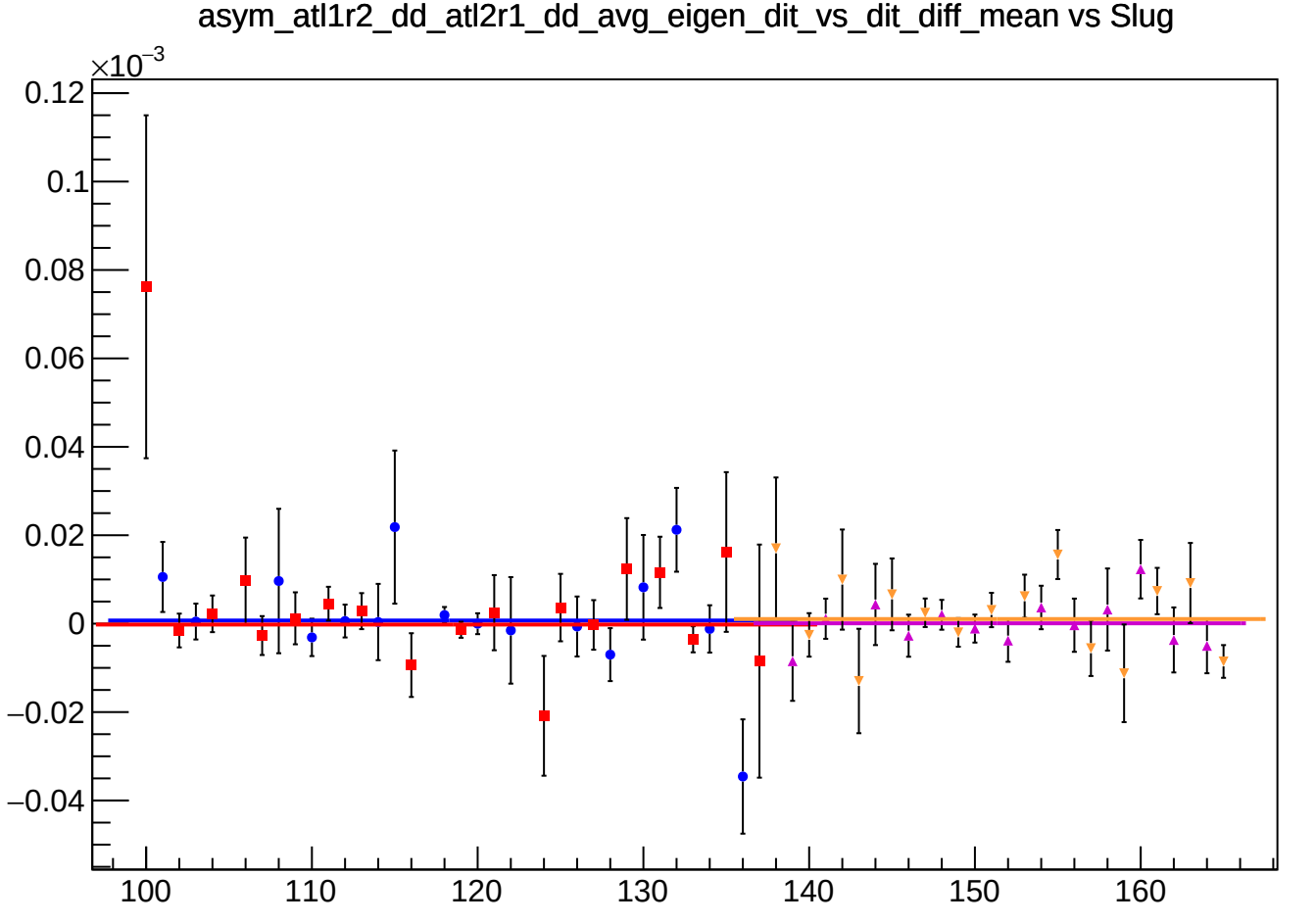
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

\+ sign 34.211+/-0.006 χ^2/NDF: 5001027.1/30

All: 34.358+/-0.005 χ^2/NDF: 8965332.7/62

\- sign 34.512+/-0.007 χ^2/NDF: 3963204.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.7/14

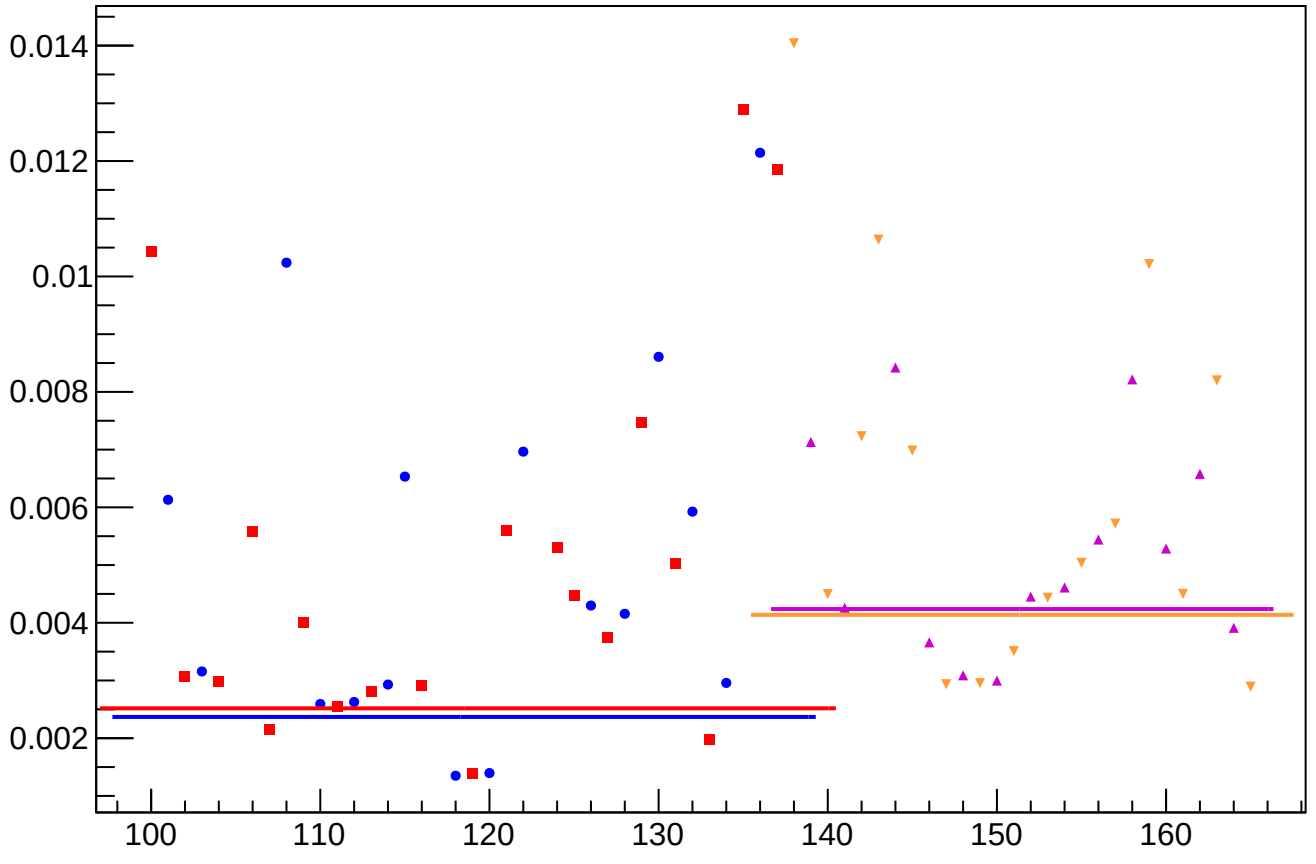
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/30

All: 0.000+/-0.000 χ^2/NDF: 70.2/62

- sign -0.000+/-0.000 χ^2/NDF: 25.8/31



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3800172.6/14

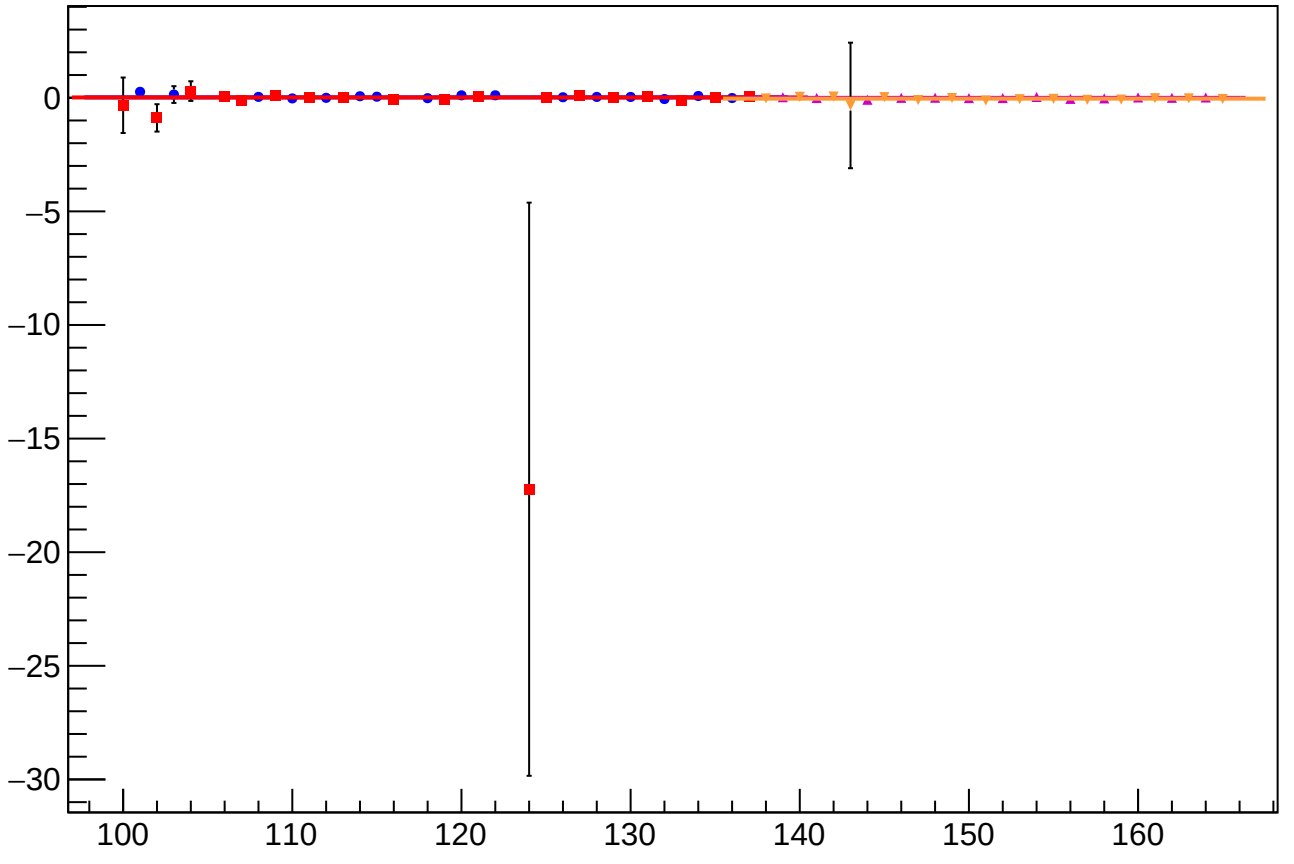
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1911447.7/12

+ sign 0.003+/-0.000 χ^2/NDF: 10607736.1/30

All: 0.003+/-0.000 χ^2/NDF: 17798764.2/62

- sign 0.003+/-0.000 χ^2/NDF: 7188087.9/31



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

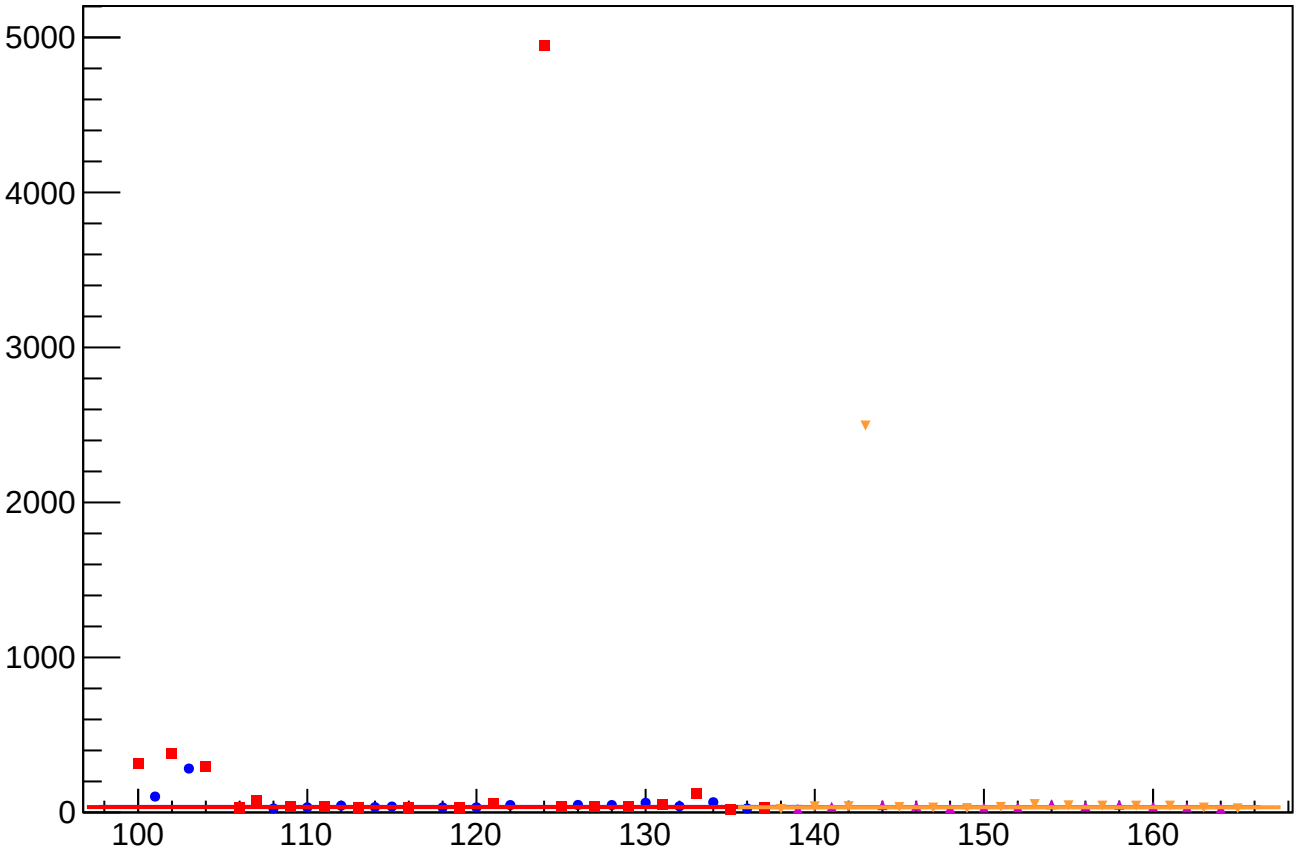
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.021+/-0.009 χ^2/NDF: 38.2/30

All: -0.010+/-0.006 χ^2/NDF: 63.8/62

- sign 0.002+/-0.009 χ^2/NDF: 22.4/31



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.430+/-0.008 χ^2/NDF:2706891.8/14

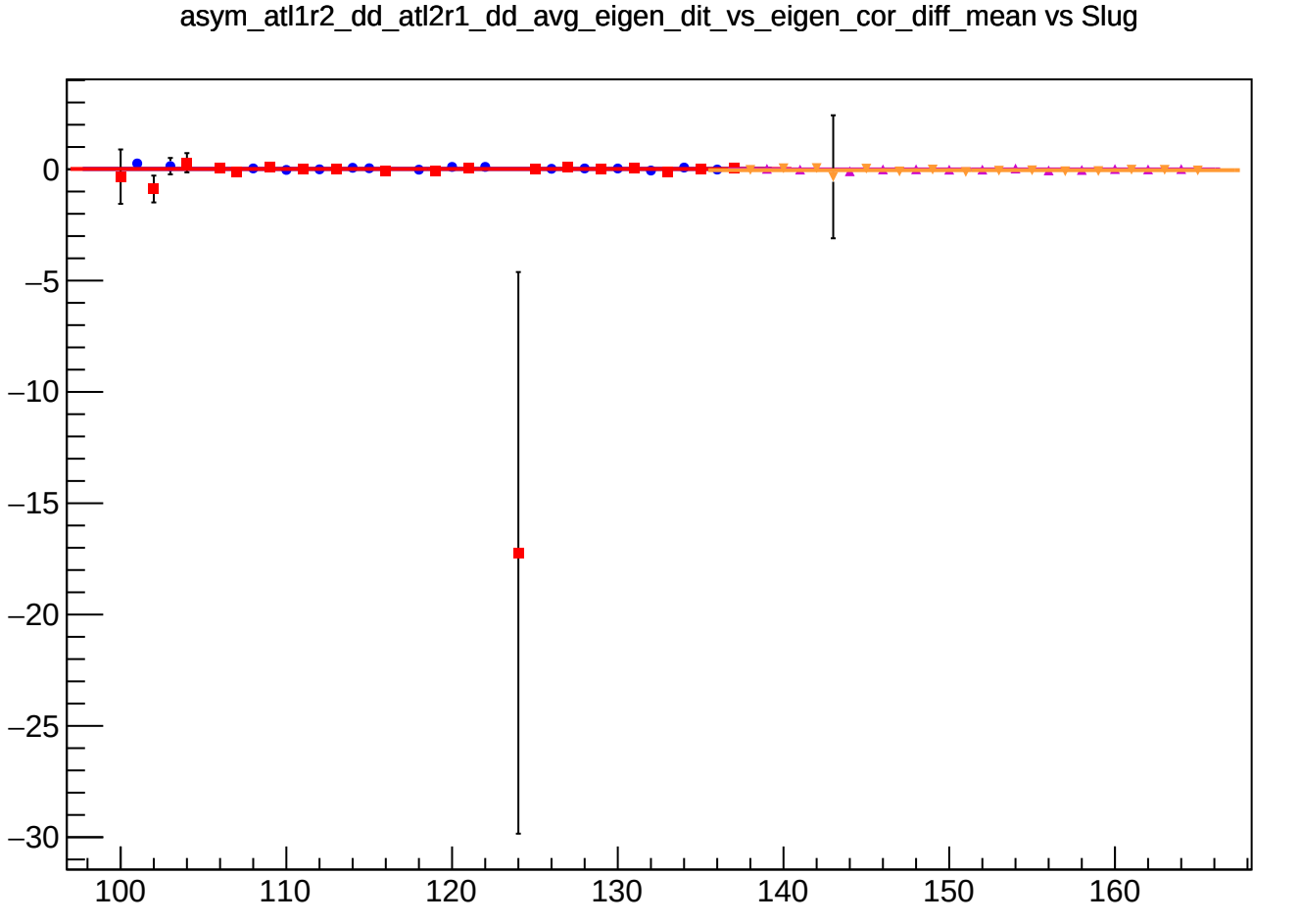
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

\+ sign 34.211+/-0.006 χ^2/NDF: 5001111.2/30

All: 34.357+/-0.005 χ^2/NDF: 8965930.5/62

\- sign 34.512+/-0.007 χ^2/NDF: 3963726.2/31



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.011 χ^2/NDF:17.8/14

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

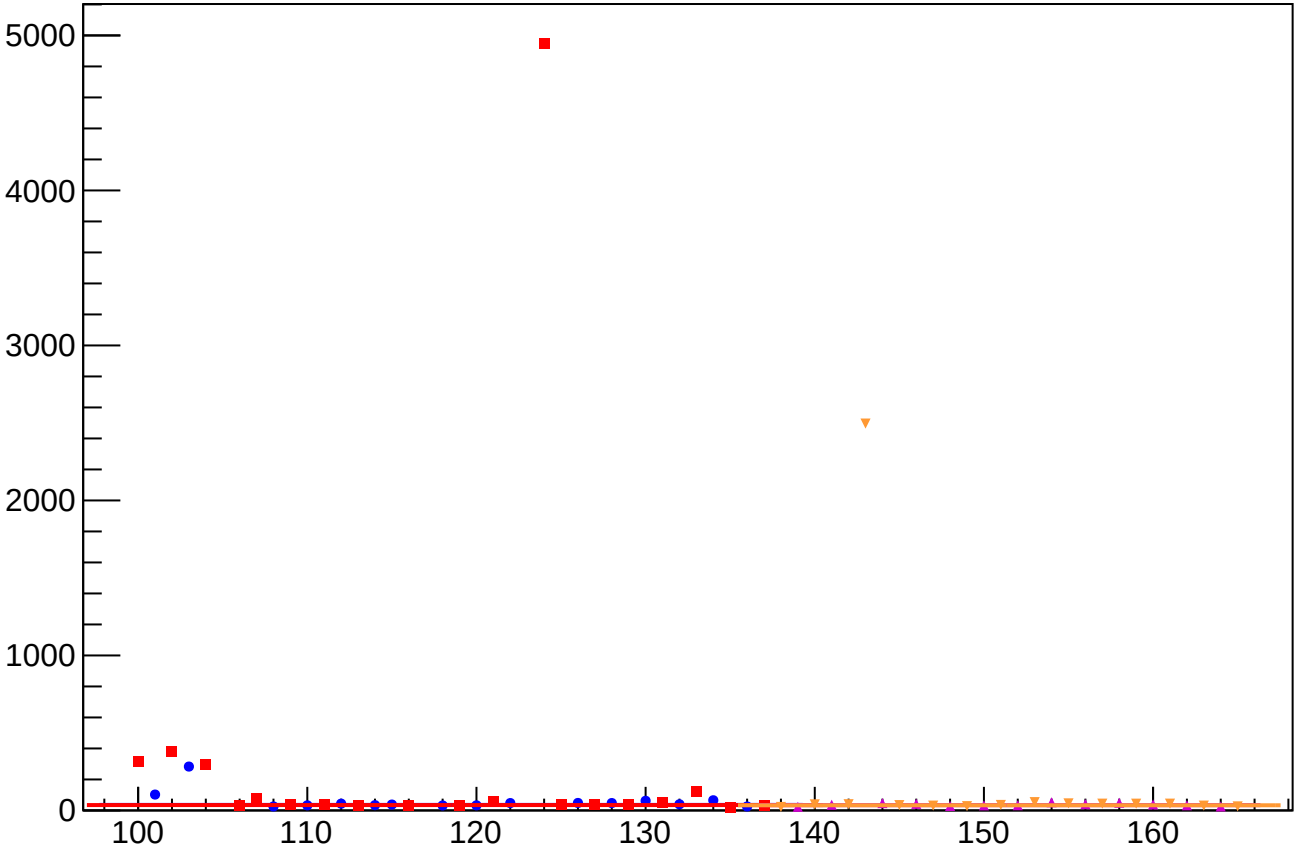
Left In: -0.004+/-0.011 χ^2/NDF:5.5/12

+ sign -0.021+/-0.009 χ^2/NDF: 38.2/30

All: -0.010+/-0.006 χ^2/NDF: 63.8/62

- sign 0.002+/-0.009 χ^2/NDF: 22.4/31

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.430+/-0.008 χ^2/NDF:2706891.8/14

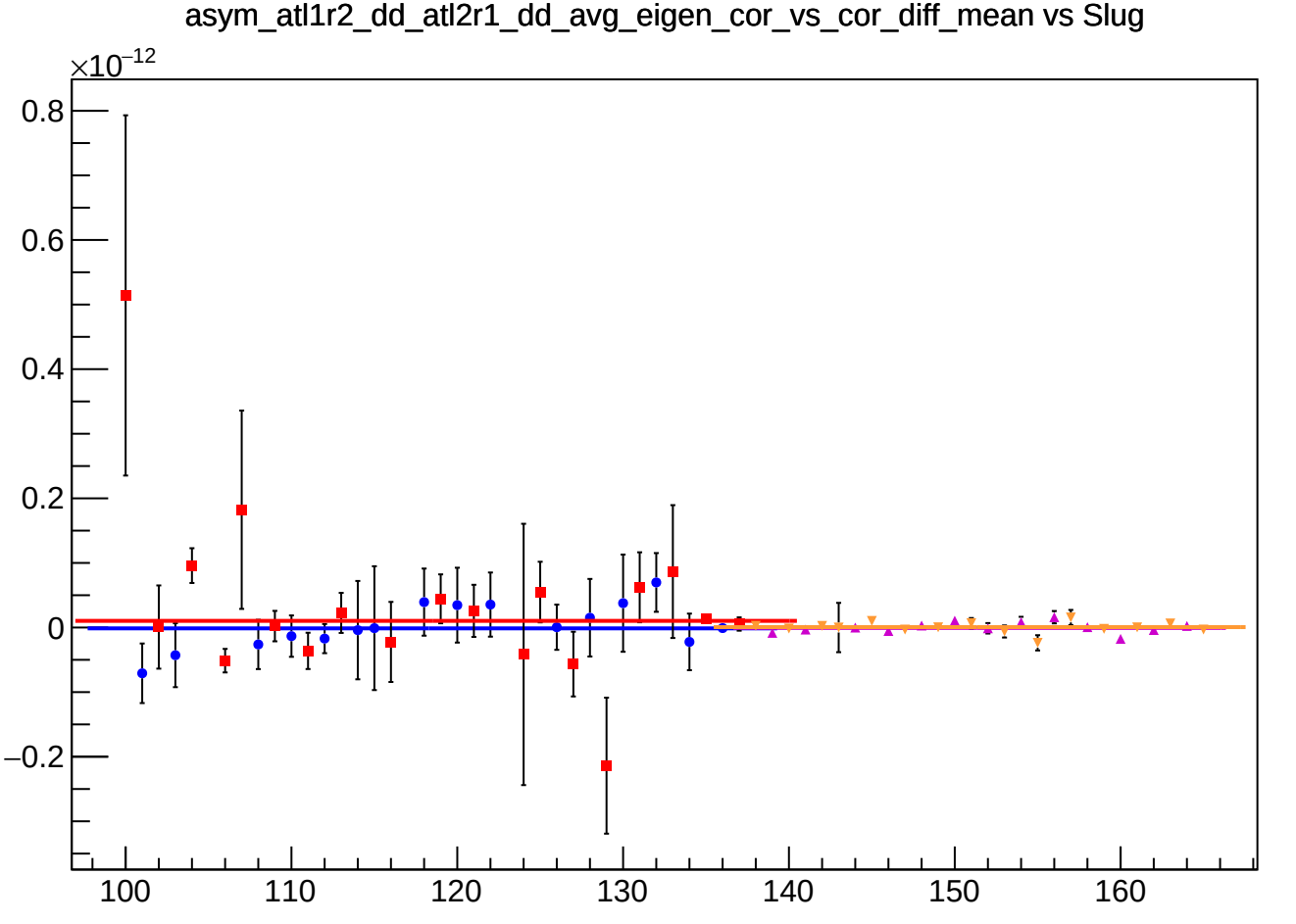
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

+ sign 34.211+/-0.006 χ^2/NDF: 5001111.2/30

All: 34.357+/-0.005 χ^2/NDF: 8965930.5/62

- sign 34.512+/-0.007 χ^2/NDF: 3963726.2/31



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/14

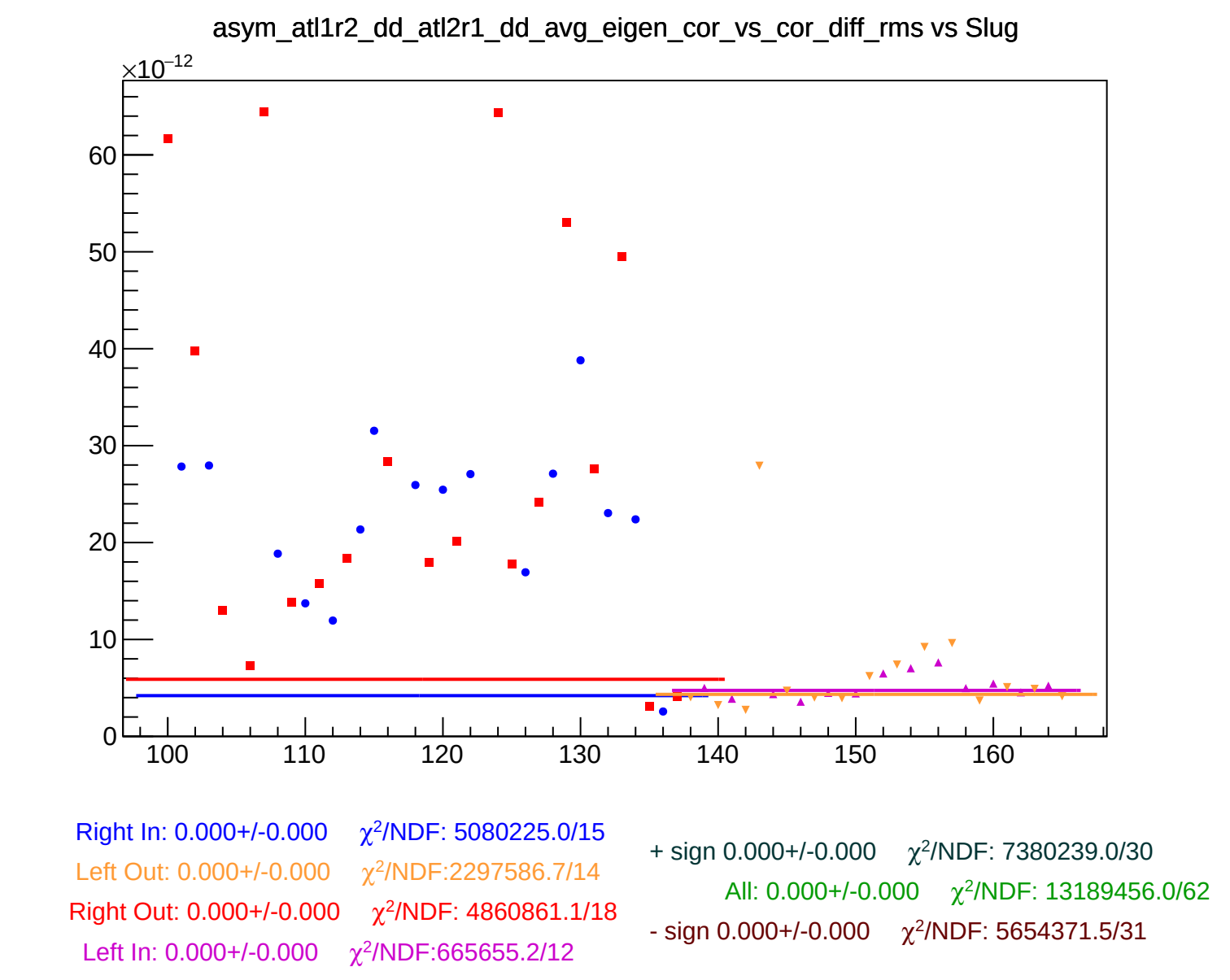
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/12

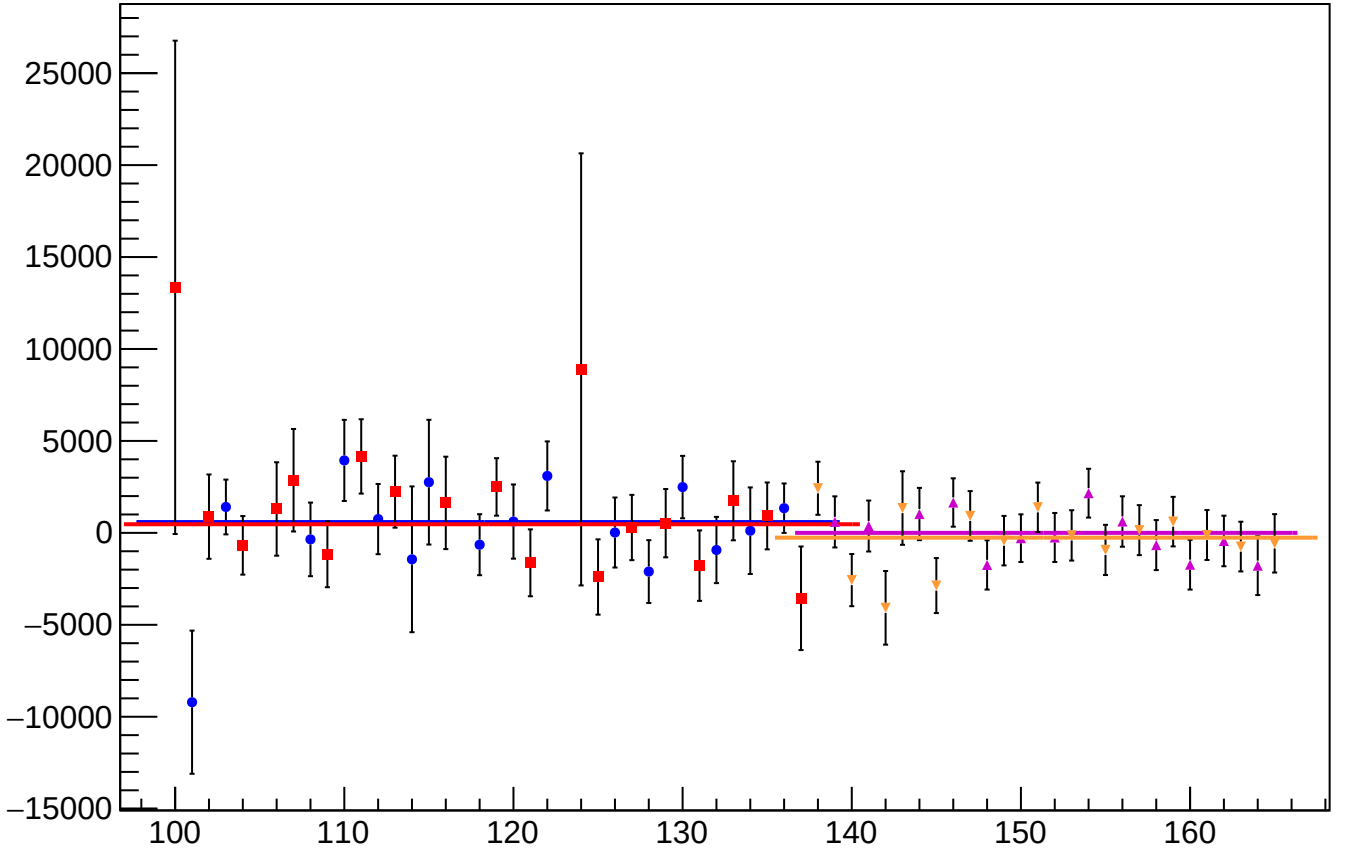
+ sign 0.000+/-0.000 χ^2/NDF: 20.7/30

All: 0.000+/-0.000 χ^2/NDF: 83.8/62

- sign 0.000+/-0.000 χ^2/NDF: 63.0/31


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2297586.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:665655.2/12
+ sign 0.000+/-0.000 χ²/NDF: 7380239.0/30
All: 0.000+/-0.000 χ²/NDF: 13189456.0/62
- sign 0.000+/-0.000 χ²/NDF: 5654371.5/31

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.378+/-371.977 χ^2/NDF:16.6/14

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

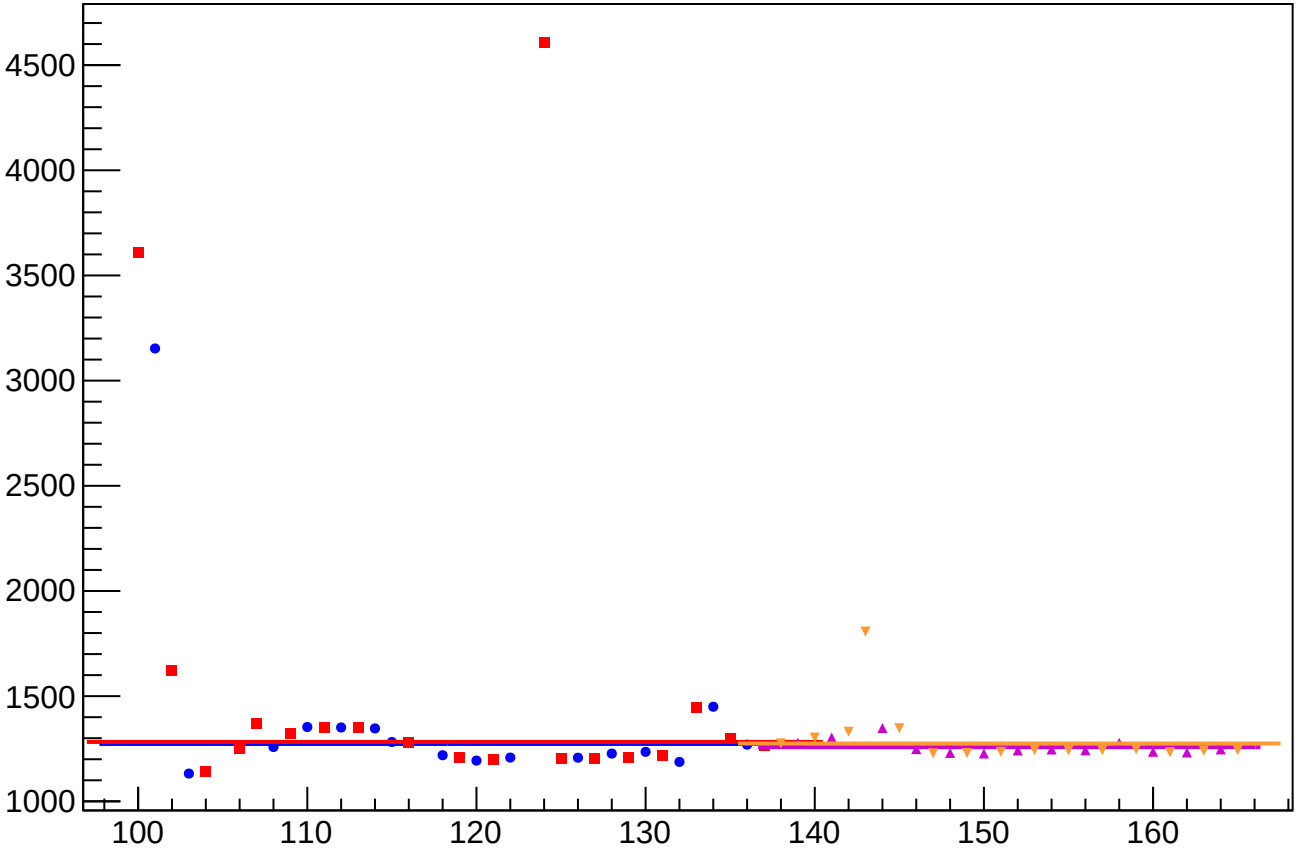
Left In: 0.394+/-379.805 χ^2/NDF:10.2/12

+ sign 55.540+/-294.580 χ^2/NDF: 35.7/30

All: 117.349+/-209.486 χ^2/NDF: 63.4/62

- sign 180.587+/-297.967 χ^2/NDF: 27.6/31

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

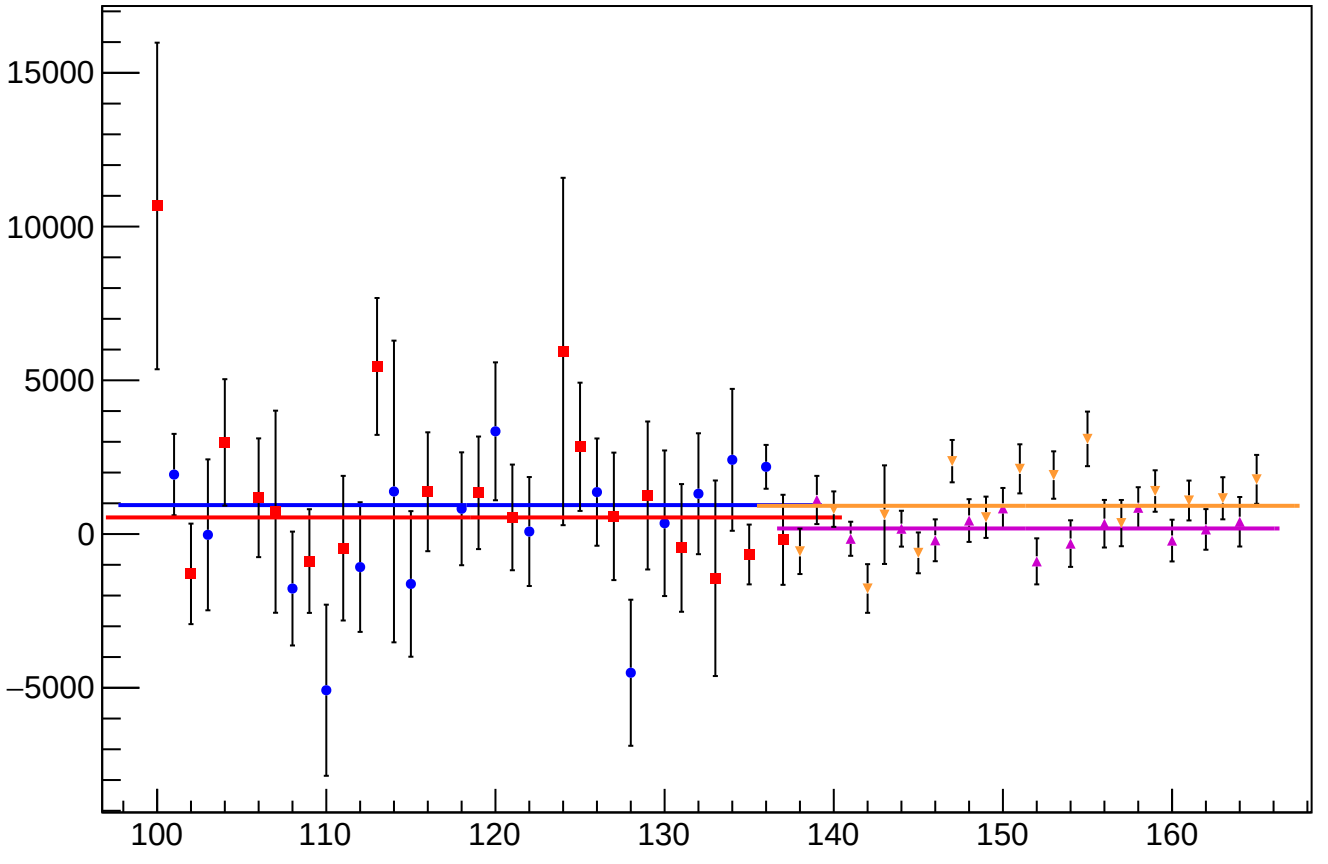
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1274.130+/-0.208 χ^2/NDF: 682349.4/30

All: 1270.661+/-0.148 χ^2/NDF: 1023478.9/62

- sign 1267.111+/-0.211 χ^2/NDF: 340568.2/31



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 918.738+/-188.961 χ^2/NDF:38.1/14

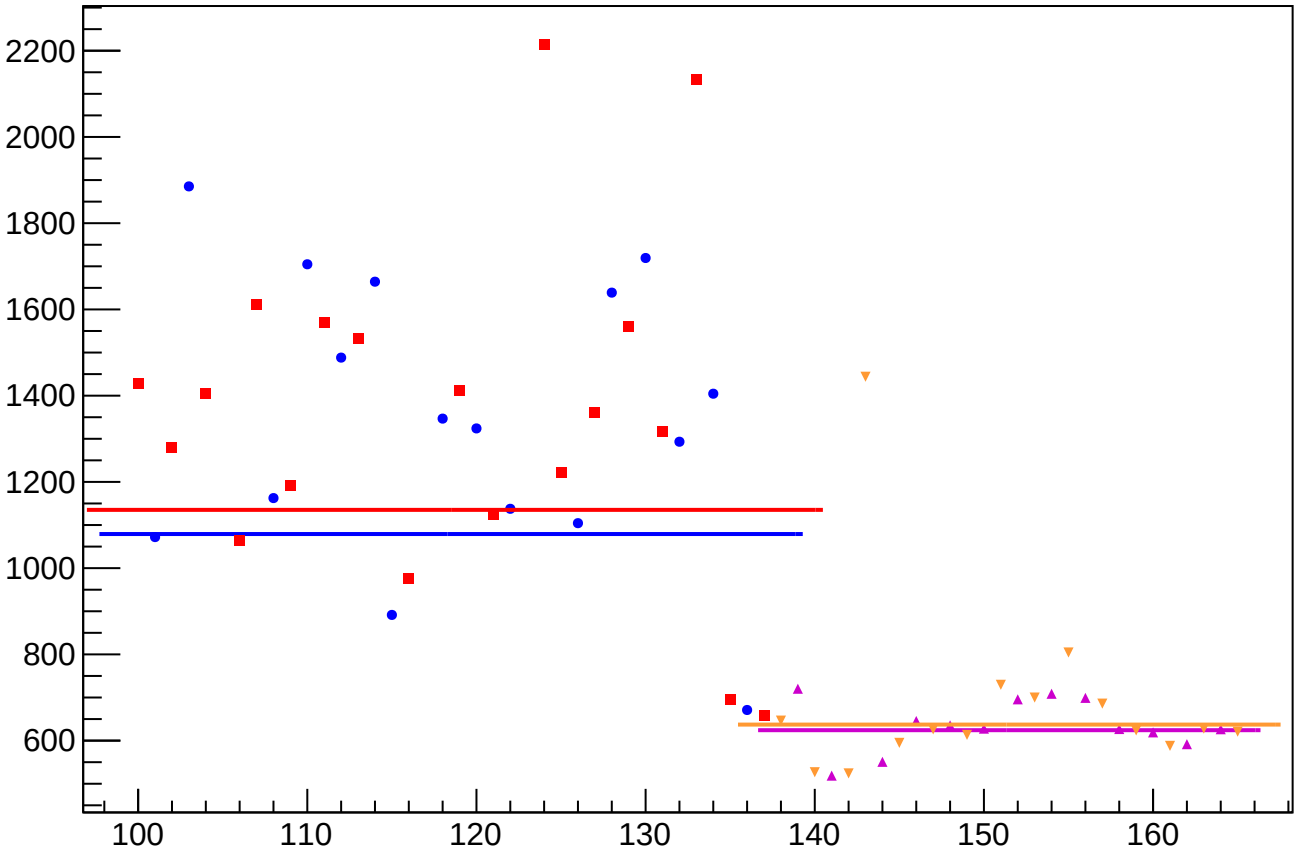
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 181.537+/-189.763 χ^2/NDF:7.1/12

\+ sign 922.525+/-172.719 χ^2/NDF: 58.0/30

All: 583.204+/-122.666 χ^2/NDF: 90.7/62

\- sign 237.873+/-174.242 χ^2/NDF: 24.9/31



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 637.199+/-0.134 χ^2/NDF:764887.9/14

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

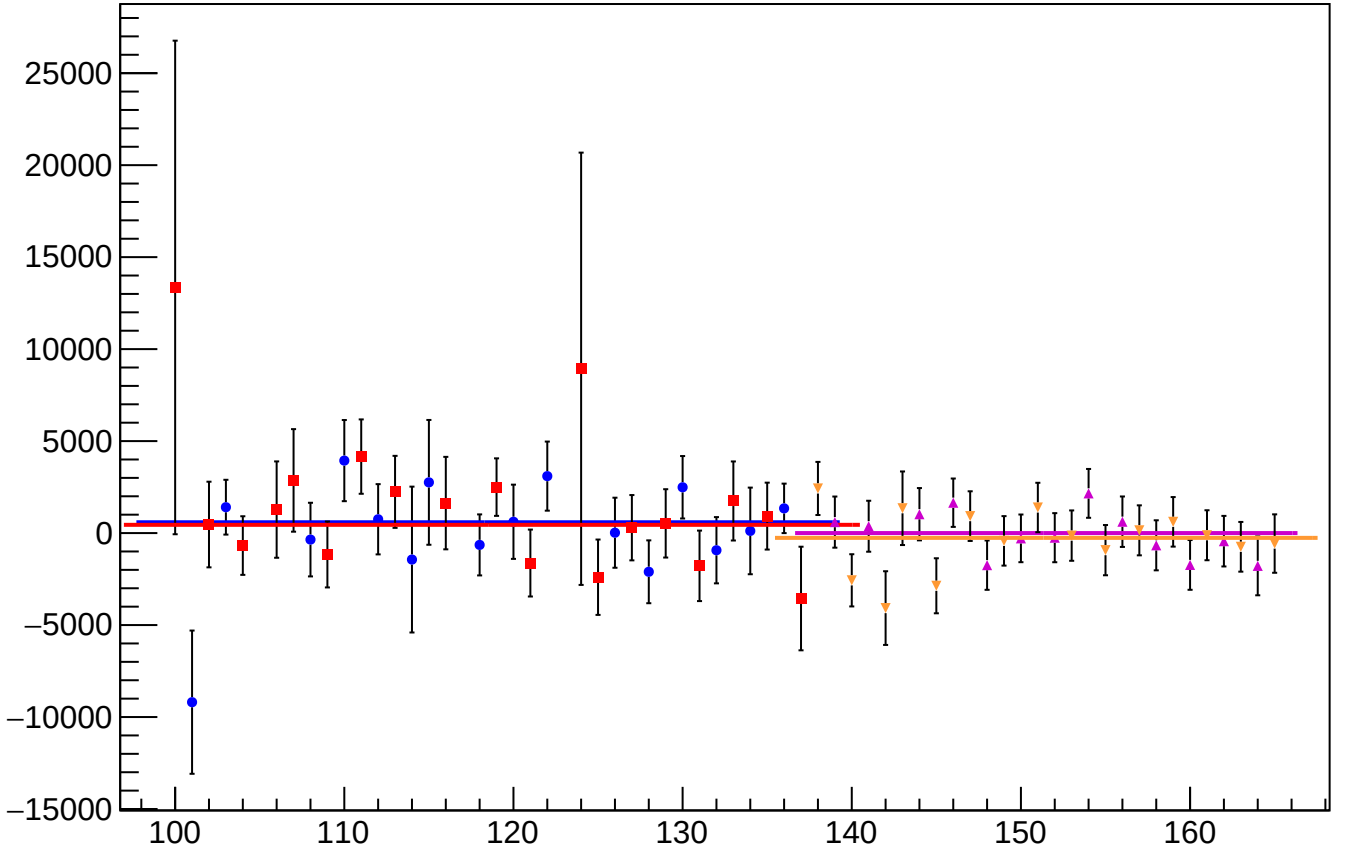
Left In: 624.194+/-0.134 χ^2/NDF:203552.6/12

+ sign 709.900+/-0.122 χ^2/NDF: 4046707.4/30

All: 707.154+/-0.087 χ^2/NDF: 7819367.3/62

- sign 704.359+/-0.123 χ^2/NDF: 3771639.8/31

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

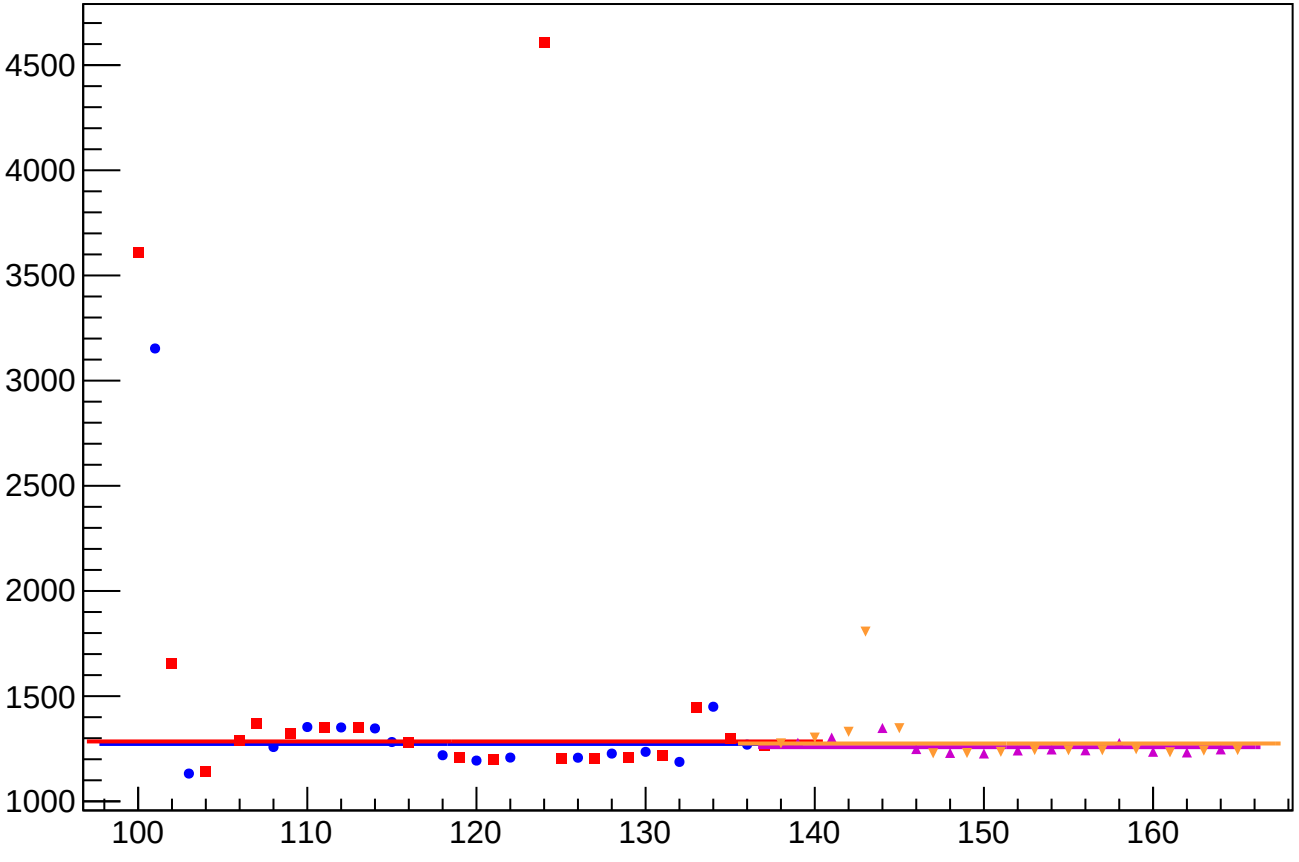
Left In: 0.410+/-379.805 χ^2/NDF:10.2/12

+ sign 55.587+/-294.580 χ^2/NDF: 35.6/30

All: 113.246+/-209.554 χ^2/NDF: 63.3/62

- sign 172.316+/-298.161 χ^2/NDF: 27.5/31

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1274.919+/-0.263 χ^2/NDF:163027.2/14

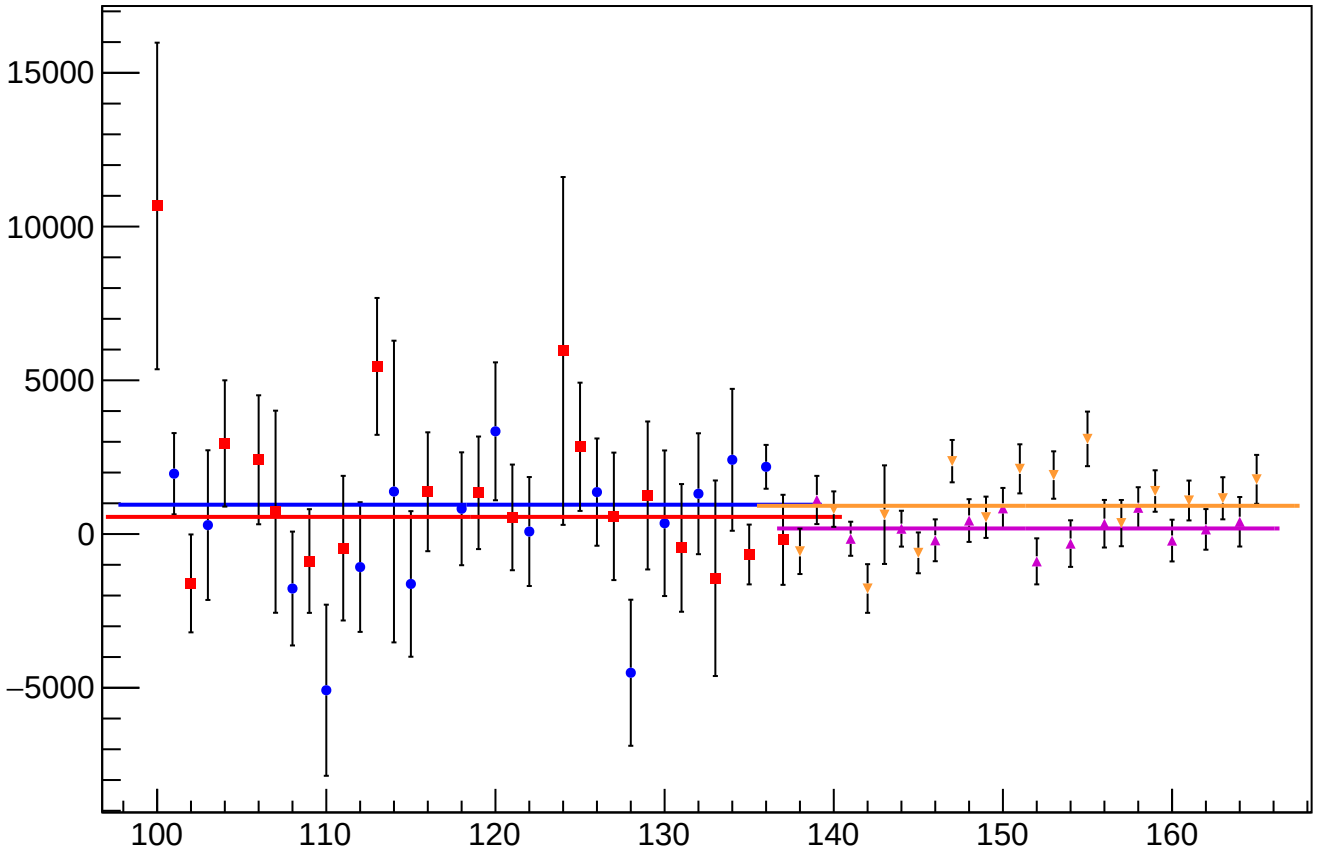
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1274.130+/-0.208 χ^2/NDF: 682350.8/30

All: 1271.087+/-0.148 χ^2/NDF: 1030632.2/62

- sign 1267.970+/-0.211 χ^2/NDF: 347849.2/31



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 918.688+/-188.962 χ^2/NDF:38.1/14

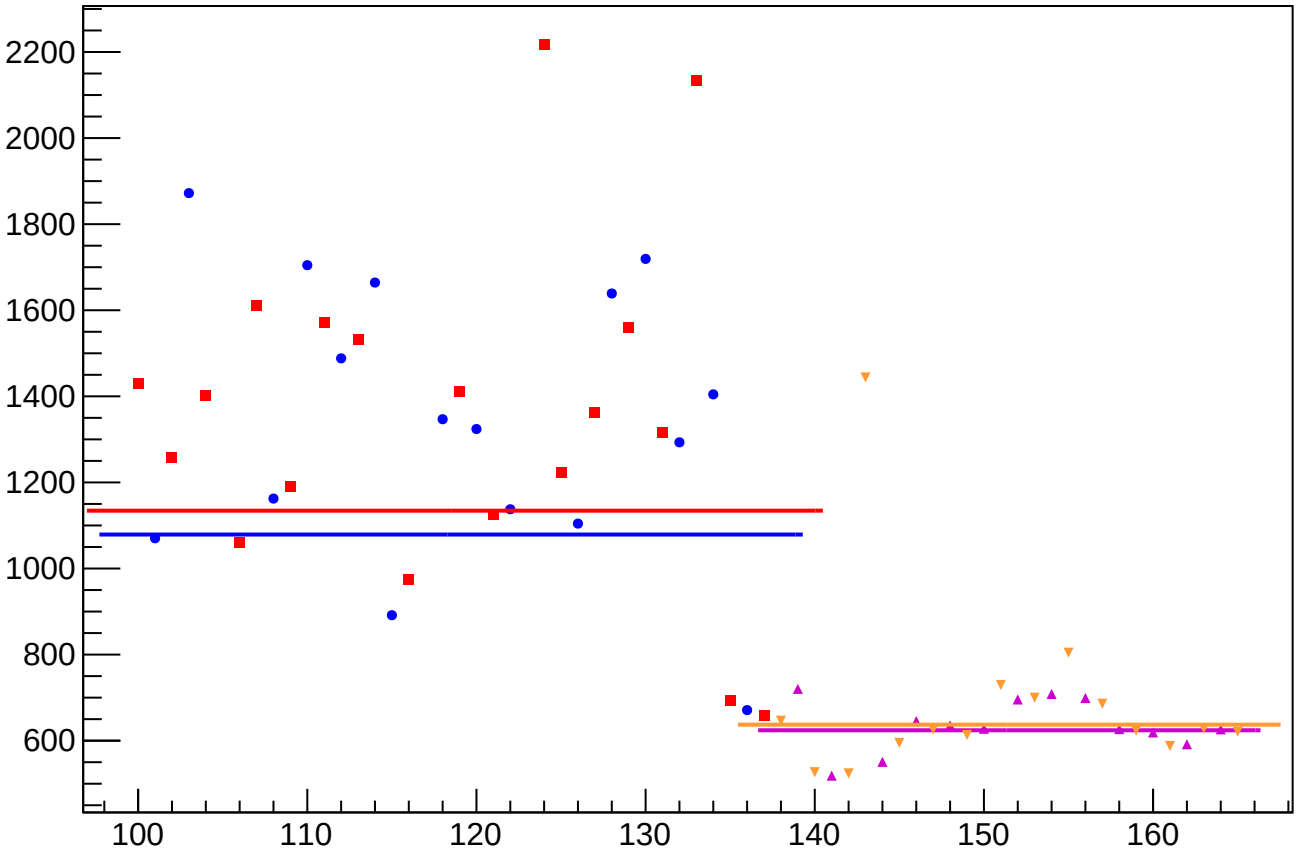
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.539+/-189.762 χ^2/NDF:7.1/12

+ sign 924.525+/-172.708 χ^2/NDF: 58.0/30

All: 585.589+/-122.680 χ^2/NDF: 91.9/62

- sign 240.398+/-174.295 χ^2/NDF: 26.1/31



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 637.203+/-0.134 χ^2/NDF:764802.1/14

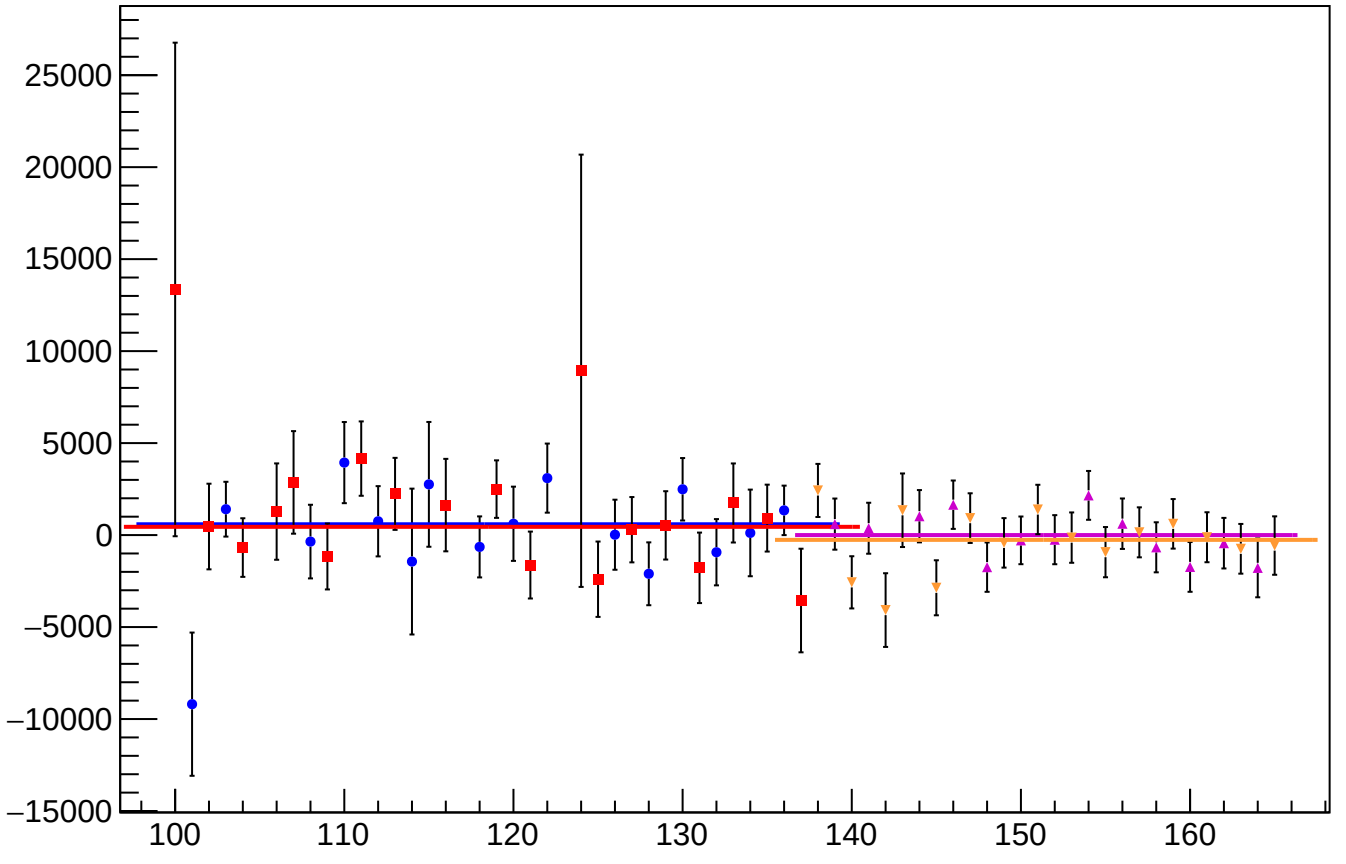
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

+ sign 709.924+/-0.122 χ^2/NDF: 4042784.3/30

All: 706.979+/-0.087 χ^2/NDF: 7797543.9/62

- sign 703.980+/-0.123 χ^2/NDF: 3753585.9/31



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -260.493+/-371.977 χ^2/NDF:16.6/14

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

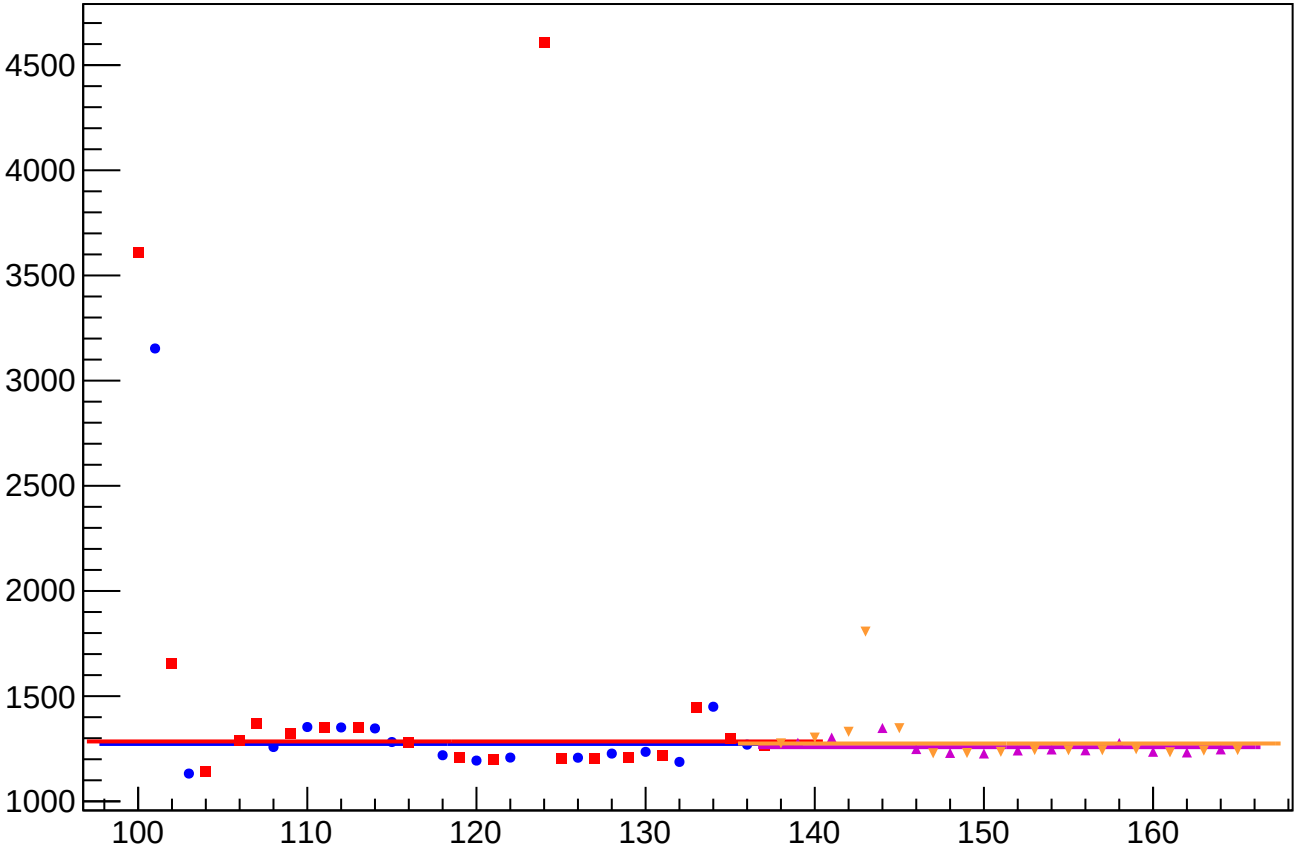
Left In: 0.410+/-379.805 χ^2/NDF:10.2/12

+ sign 55.587+/-294.580 χ^2/NDF: 35.6/30

All: 113.246+/-209.554 χ^2/NDF: 63.3/62

- sign 172.316+/-298.161 χ^2/NDF: 27.5/31

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: 1274.919+/-0.263 χ^2/NDF:163027.2/14

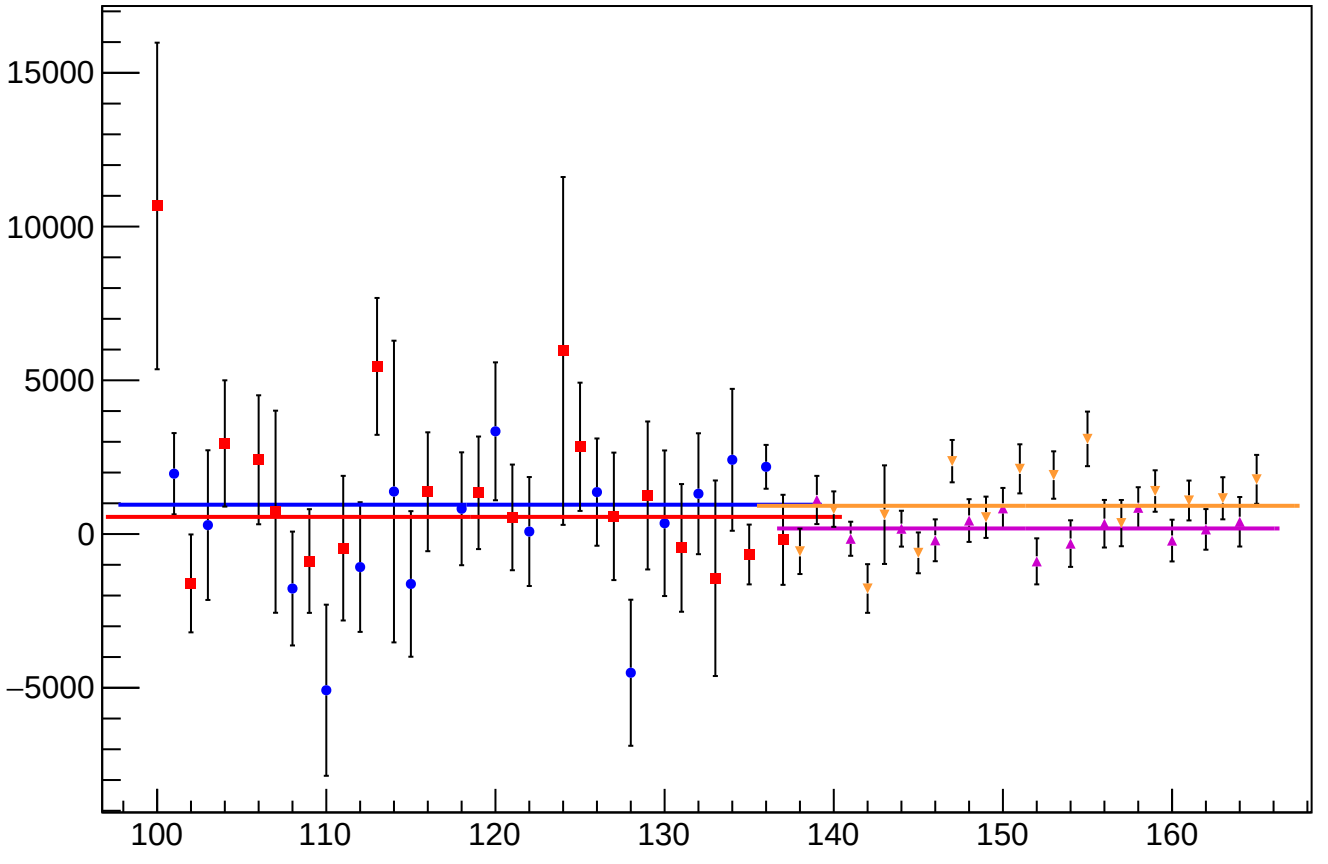
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

+ sign 1274.130+/-0.208 χ^2/NDF: 682350.8/30

All: 1271.087+/-0.148 χ^2/NDF: 1030632.2/62

- sign 1267.970+/-0.211 χ^2/NDF: 347849.2/31



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 918.688+/-188.962 χ^2/NDF:38.1/14

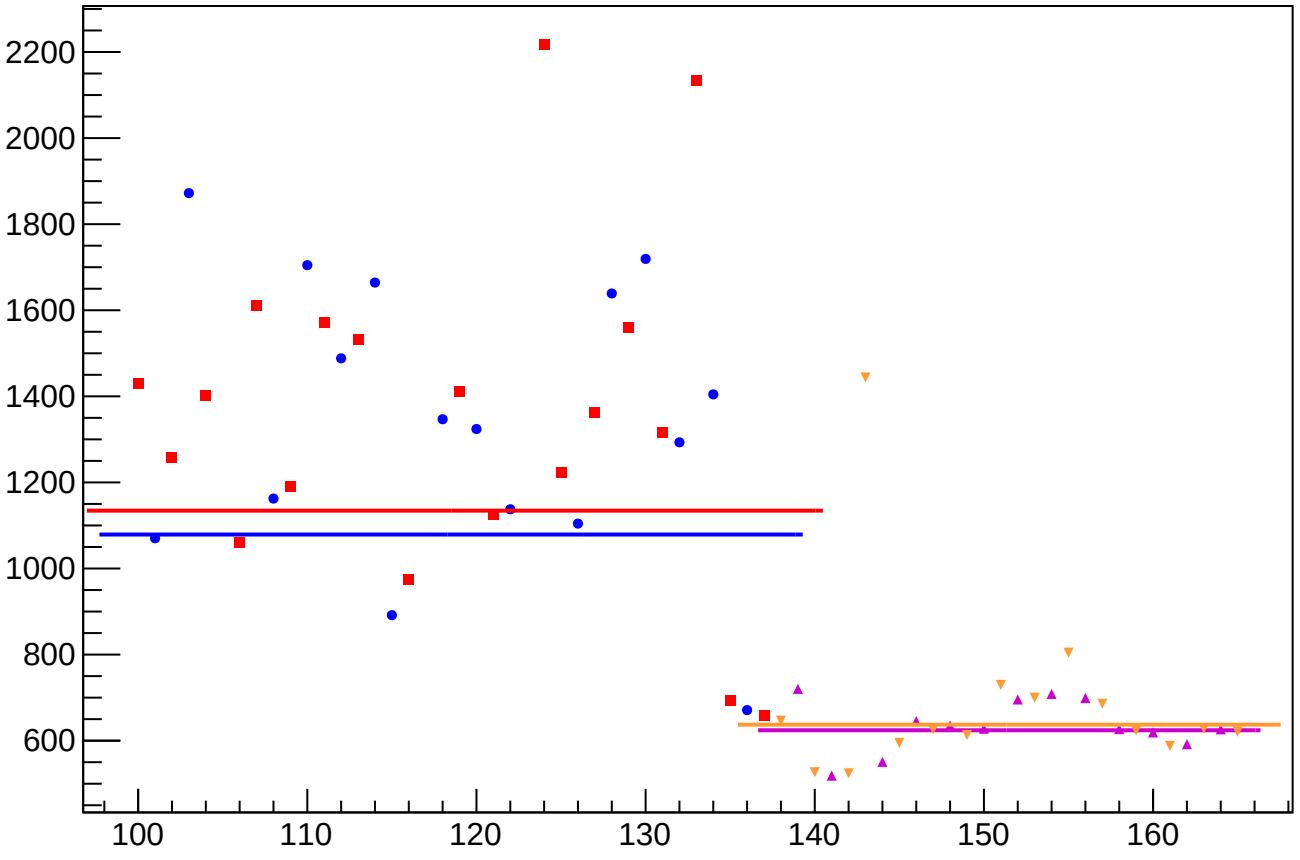
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 181.539+/-189.762 χ^2/NDF:7.1/12

+ sign 924.525+/-172.708 χ^2/NDF: 58.0/30

All: 585.589+/-122.680 χ^2/NDF: 91.9/62

- sign 240.398+/-174.295 χ^2/NDF: 26.1/31



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 637.203+/-0.134 χ^2/NDF:764802.1/14

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

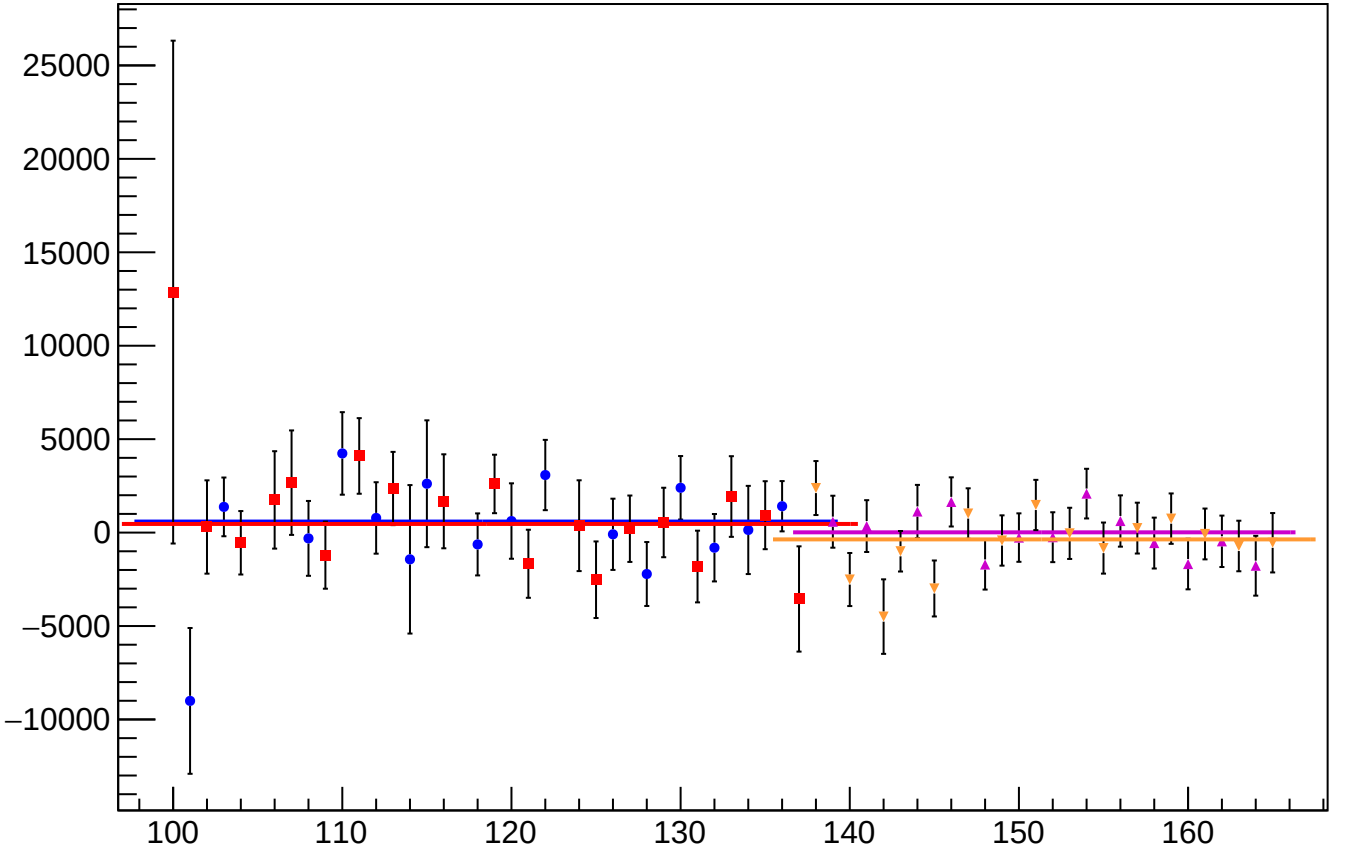
Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

\+ sign 709.924+/-0.122 χ^2/NDF: 4042784.3/30

All: 706.979+/-0.087 χ^2/NDF: 7797543.9/62

\- sign 703.980+/-0.123 χ^2/NDF: 3753585.9/31

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -364.044+/-357.625 χ^2/NDF:17.7/14

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

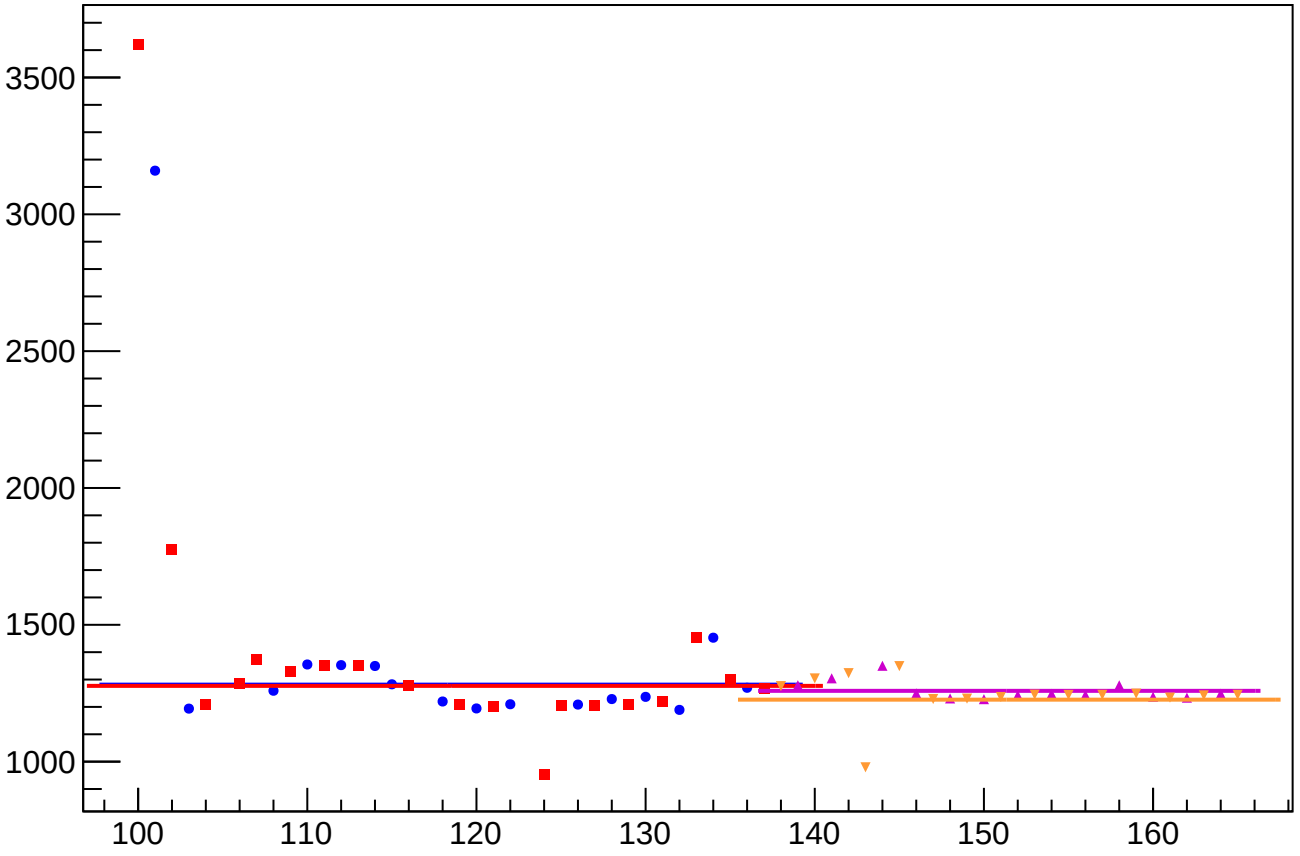
Left In: 13.991+/-380.144 χ^2/NDF:9.8/12

+ sign -28.337+/-287.936 χ^2/NDF: 37.3/30

All: 76.557+/-206.811 χ^2/NDF: 64.7/62

- sign 188.336+/-297.235 χ^2/NDF: 27.1/31

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.474+/-0.253 χ^2/NDF:132723.8/14

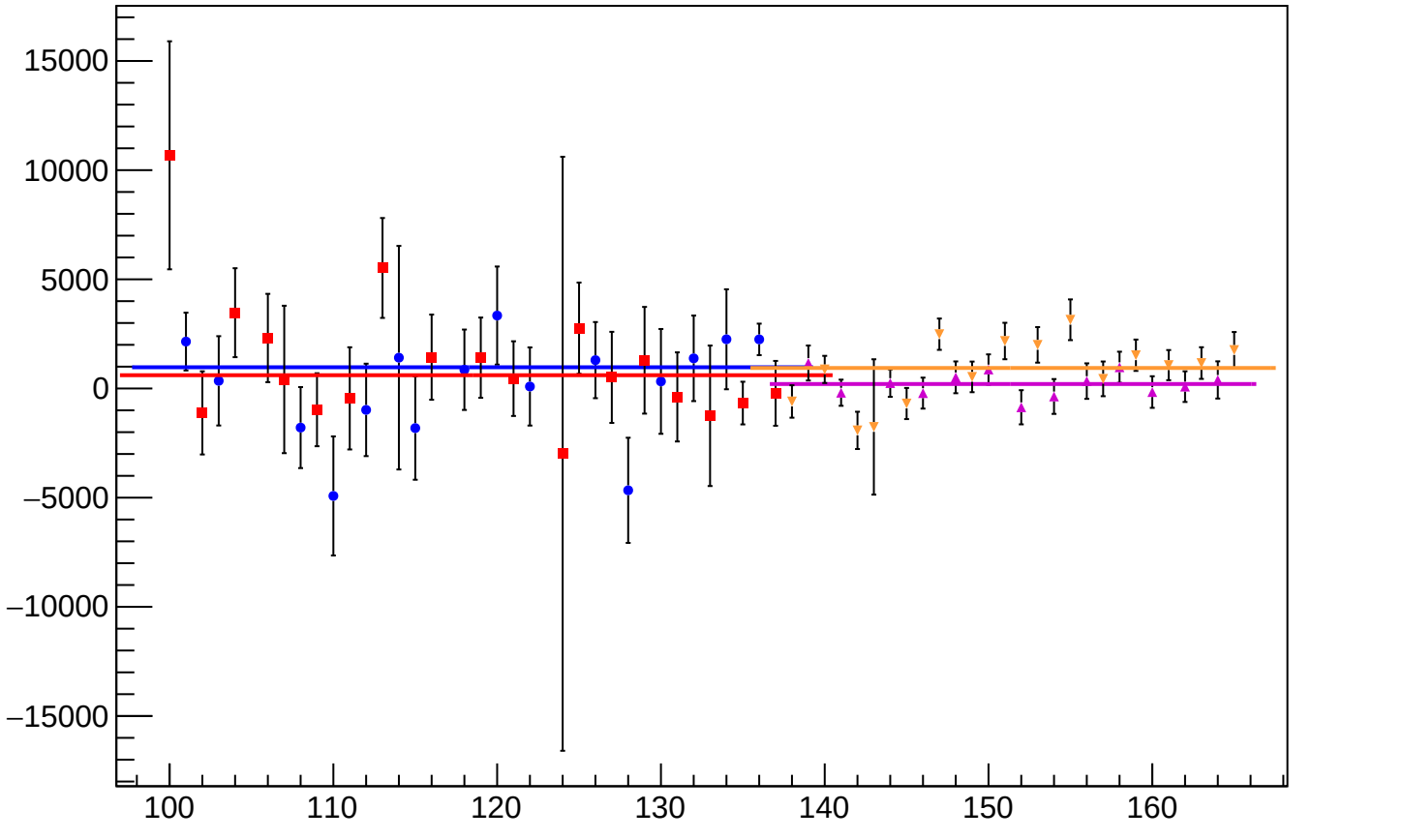
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.0/12

+ sign 1245.784+/-0.204 χ^2/NDF: 656378.6/30

All: 1255.453+/-0.146 χ^2/NDF: 898622.2/62

- sign 1265.757+/-0.210 χ^2/NDF: 237584.8/31



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 939.024+/-200.322 χ^2/NDF:38.1/14

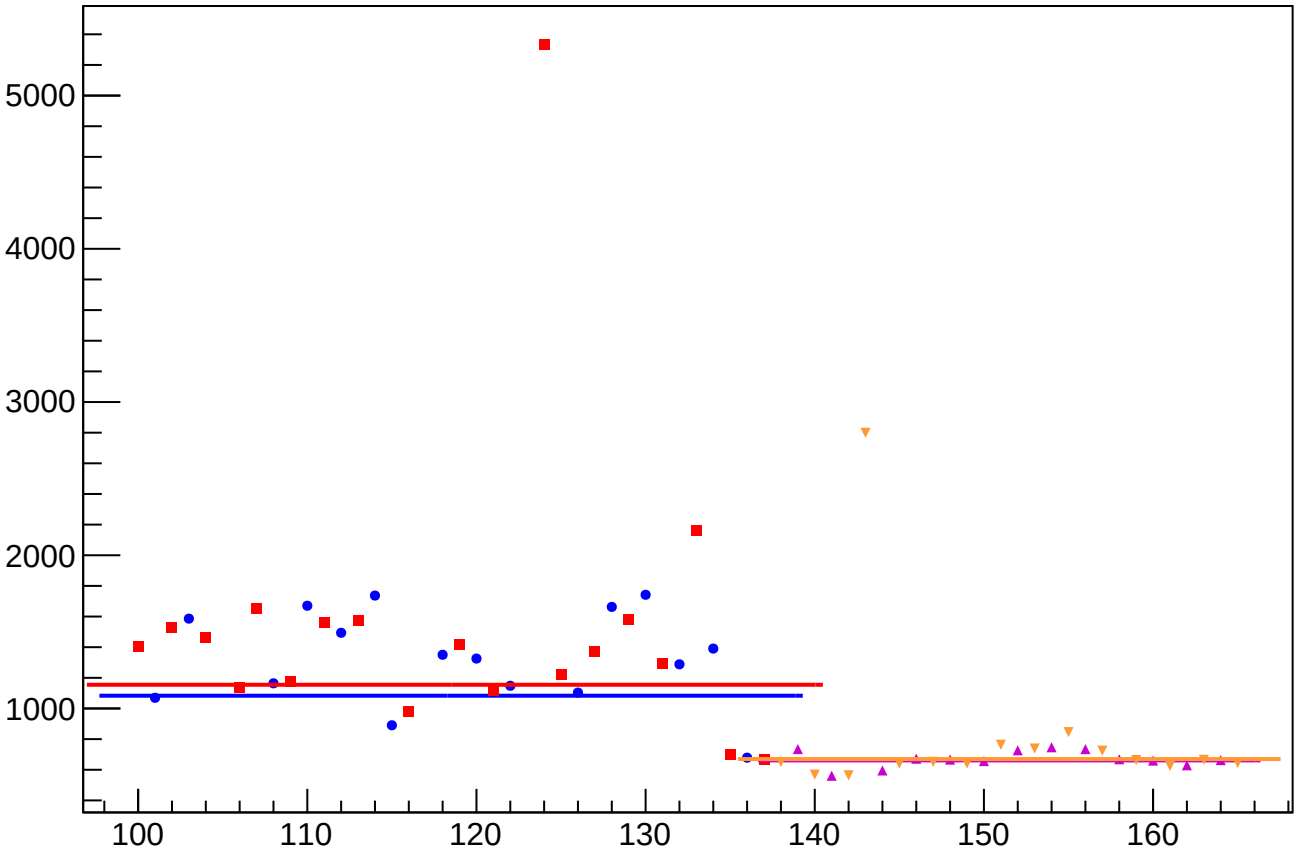
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 205.452+/-200.714 χ^2/NDF:7.2/12

+ sign 945.065+/-181.219 χ^2/NDF: 58.6/30

All: 612.541+/-128.819 χ^2/NDF: 90.4/62

- sign 272.885+/-183.152 χ^2/NDF: 25.0/31



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 669.829+/-0.142 χ^2/NDF:1168568.4/14

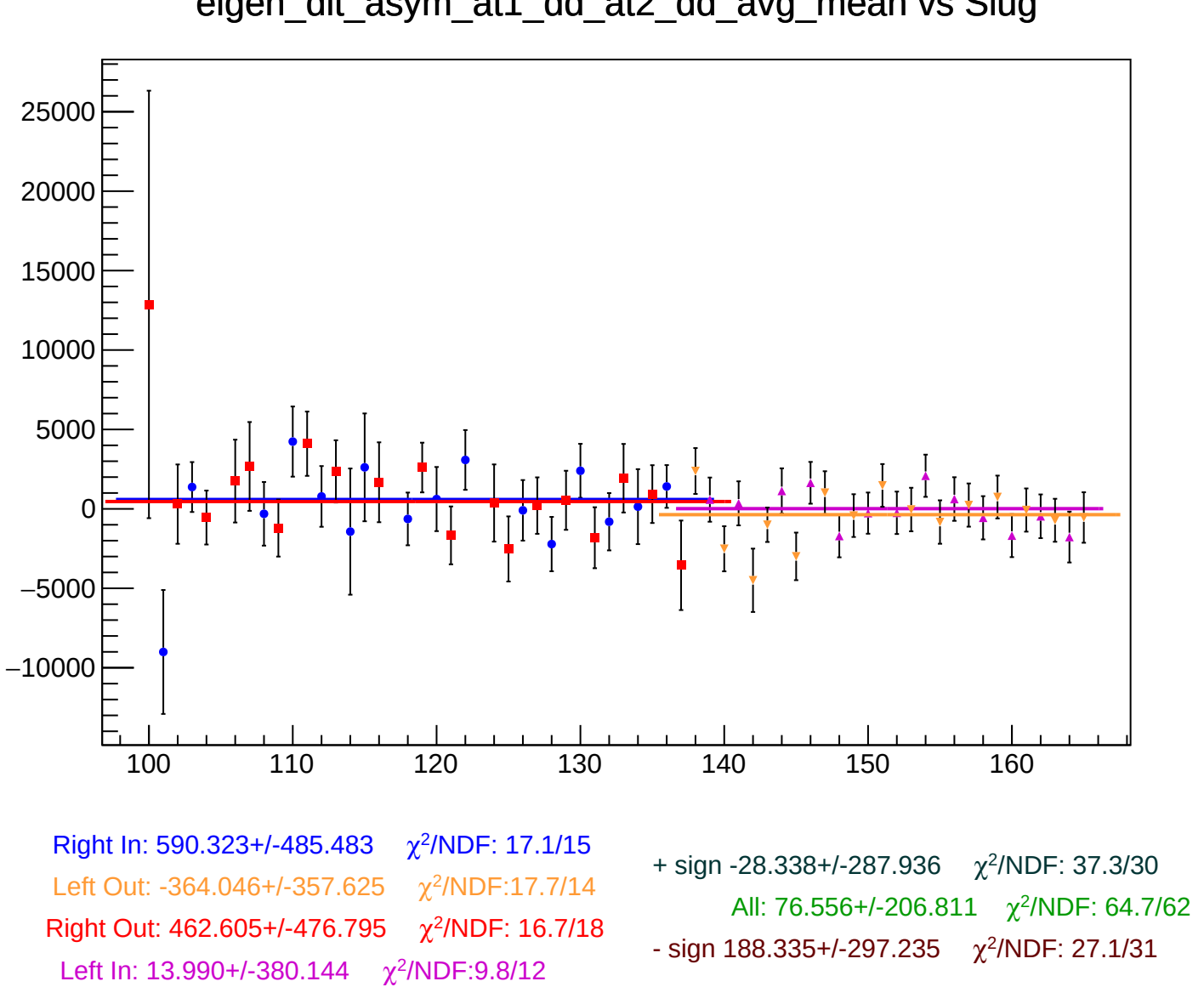
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.146+/-0.142 χ^2/NDF:153497.5/12

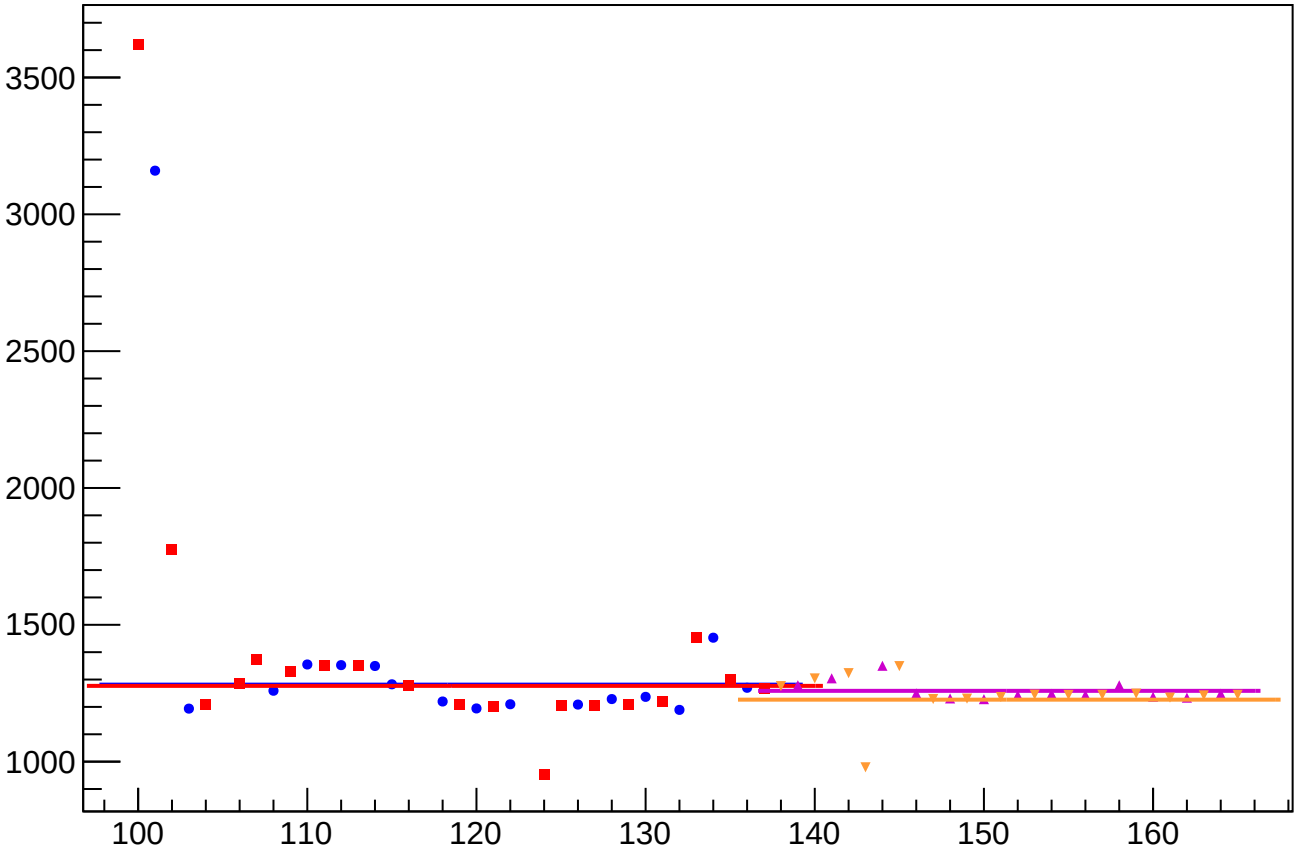
+ sign 744.933+/-0.128 χ^2/NDF: 4076538.2/30

All: 744.342+/-0.091 χ^2/NDF: 7742208.0/62

- sign 743.738+/-0.130 χ^2/NDF: 3665626.8/31


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -364.046+/-357.625 χ²/NDF:17.7/14
Right Out: 462.605+/-476.795 χ²/NDF: 16.7/18
Left In: 13.990+/-380.144 χ²/NDF:9.8/12
+ sign -28.338+/-287.936 χ²/NDF: 37.3/30
All: 76.556+/-206.811 χ²/NDF: 64.7/62
- sign 188.335+/-297.235 χ²/NDF: 27.1/31

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: 1226.474+/-0.253 χ^2/NDF:132723.1/14

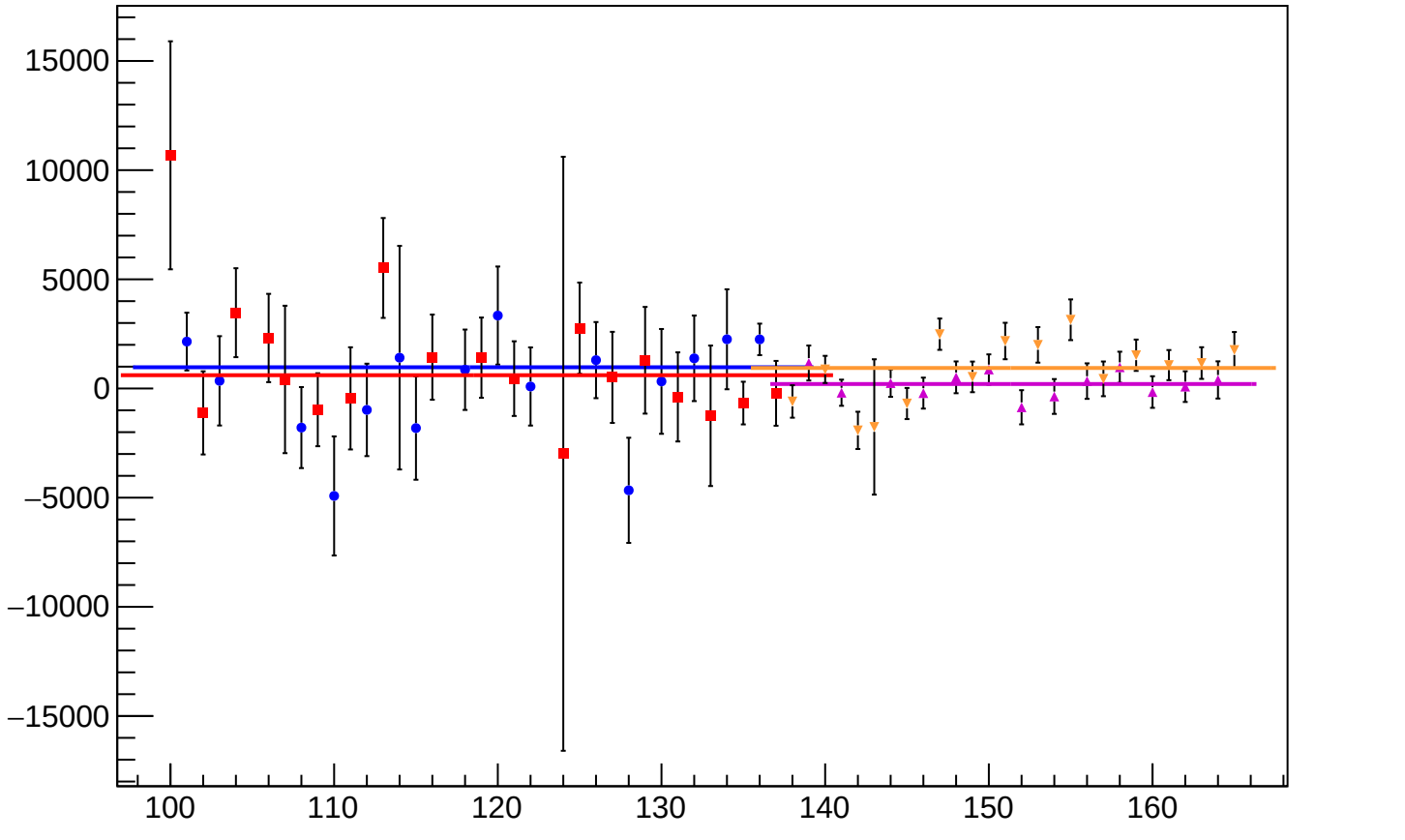
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.1/12

+ sign 1245.784+/-0.204 χ^2/NDF: 656377.8/30

All: 1255.453+/-0.146 χ^2/NDF: 898621.3/62

- sign 1265.757+/-0.210 χ^2/NDF: 237584.7/31



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 939.026+/-200.322 χ^2/NDF:38.1/14

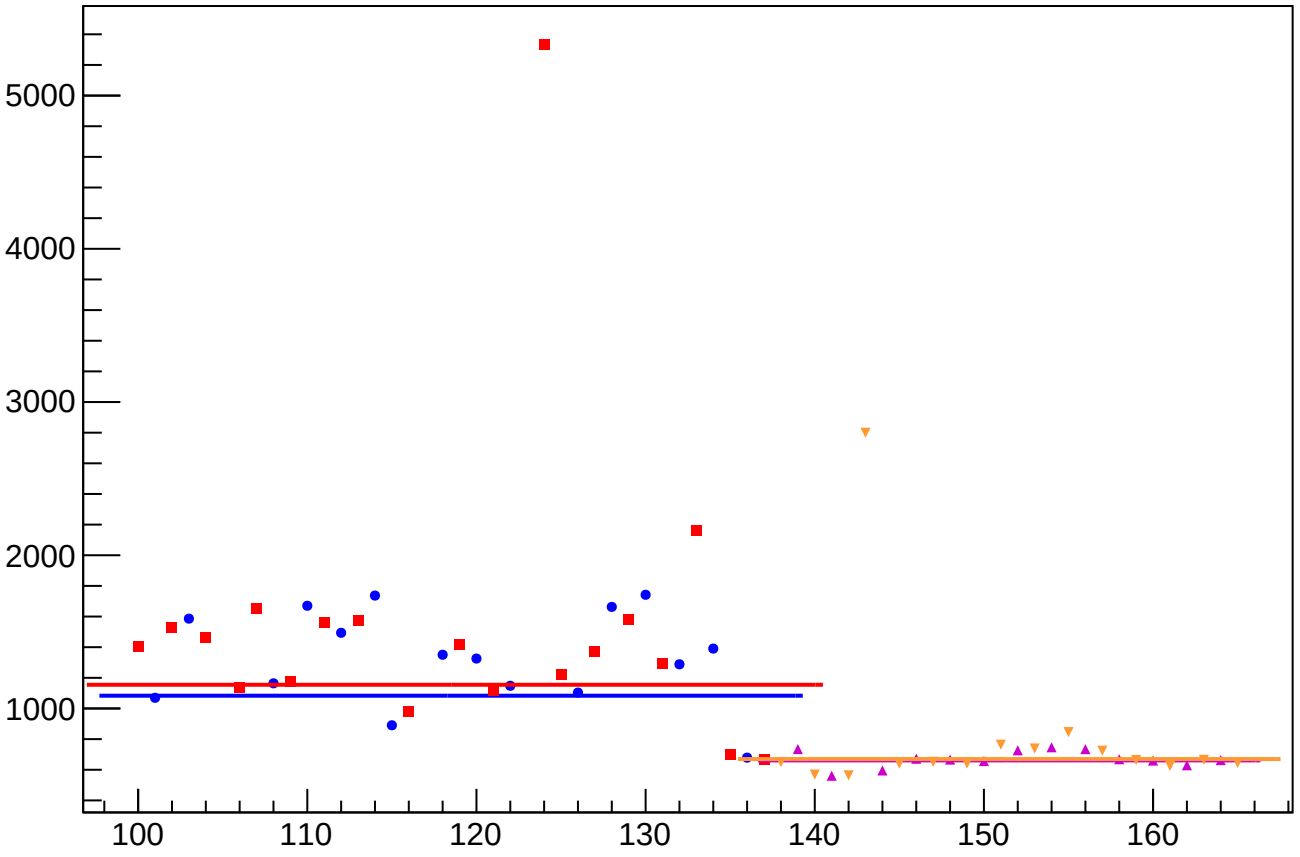
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 205.451+/-200.714 χ^2/NDF:7.2/12

+ sign 945.066+/-181.219 χ^2/NDF: 58.6/30

All: 612.541+/-128.819 χ^2/NDF: 90.4/62

- sign 272.884+/-183.152 χ^2/NDF: 25.0/31



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 669.829+/-0.142 χ^2/NDF:1168562.7/14

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

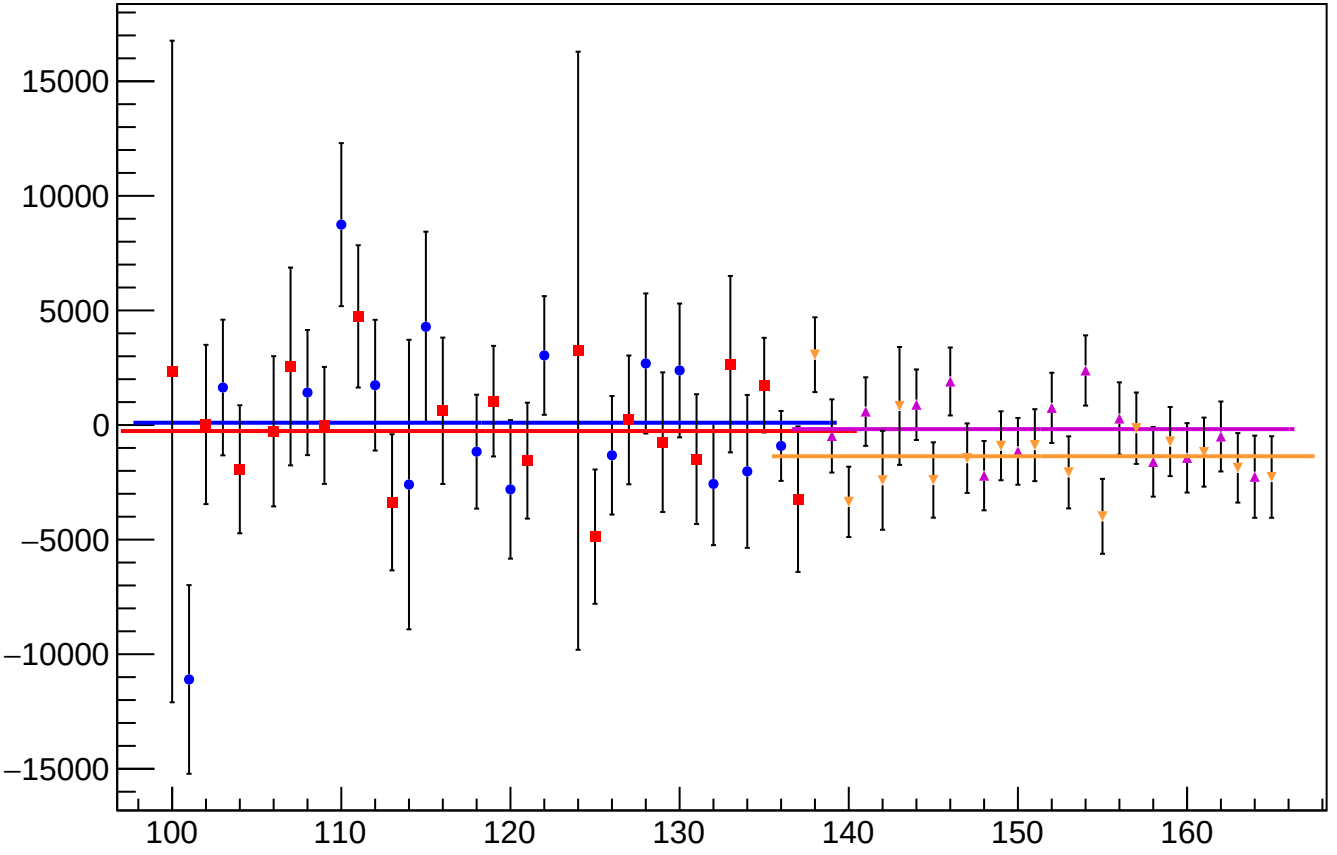
Left In: 661.145+/-0.142 χ^2/NDF:153501.2/12

+ sign 744.934+/-0.128 χ^2/NDF: 4076509.5/30

All: 744.343+/-0.091 χ^2/NDF: 7742180.0/62

- sign 743.739+/-0.130 χ^2/NDF: 3665627.4/31

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1362.253+/-421.036 χ^2/NDF:14.6/14

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

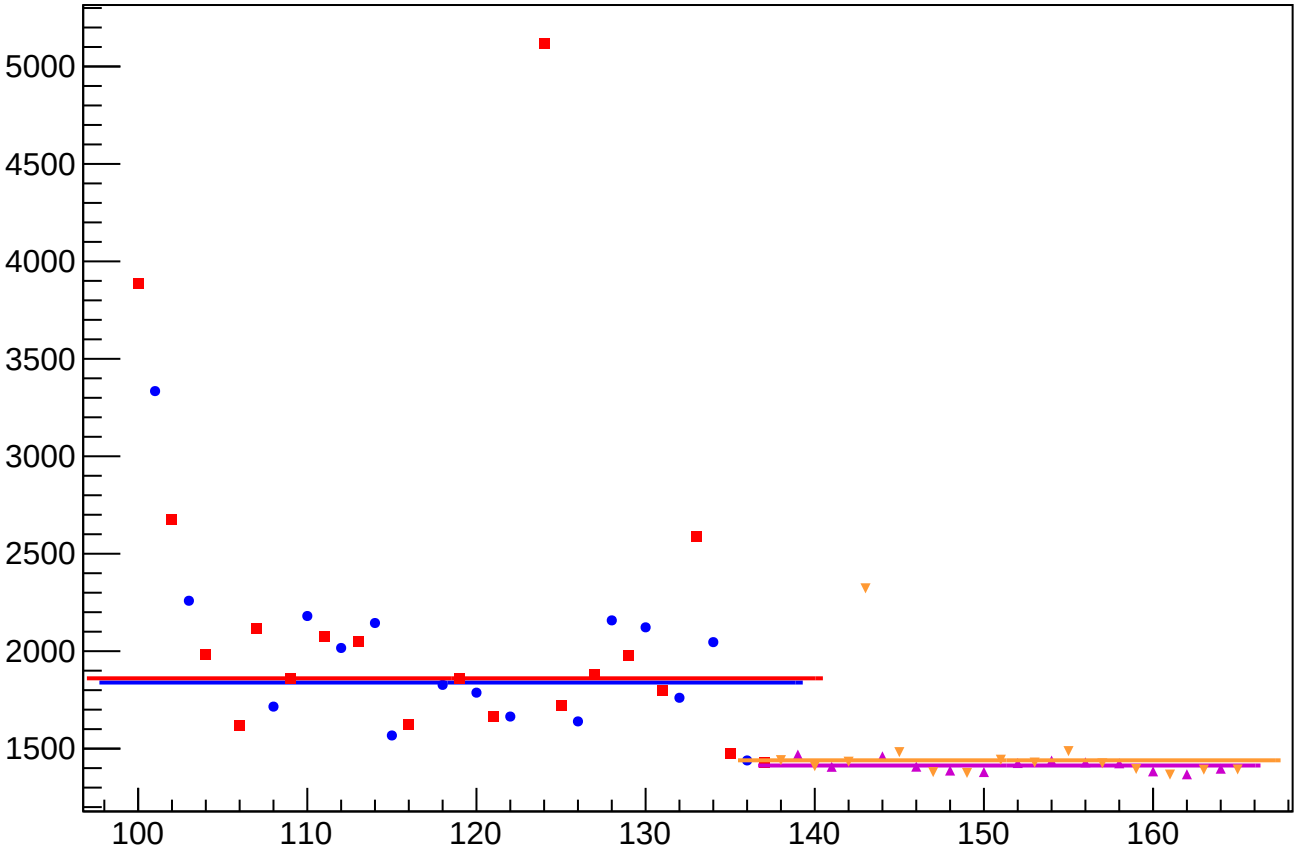
Left In: -179.186+/-426.841 χ^2/NDF:11.2/12

\+ sign -972.831+/-360.660 χ^2/NDF: 39.1/30

All: -591.307+/-256.335 χ^2/NDF: 62.9/62

\- sign -201.843+/-364.393 χ^2/NDF: 21.5/31

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1440.014+/-0.298 χ^2/NDF:256201.7/14

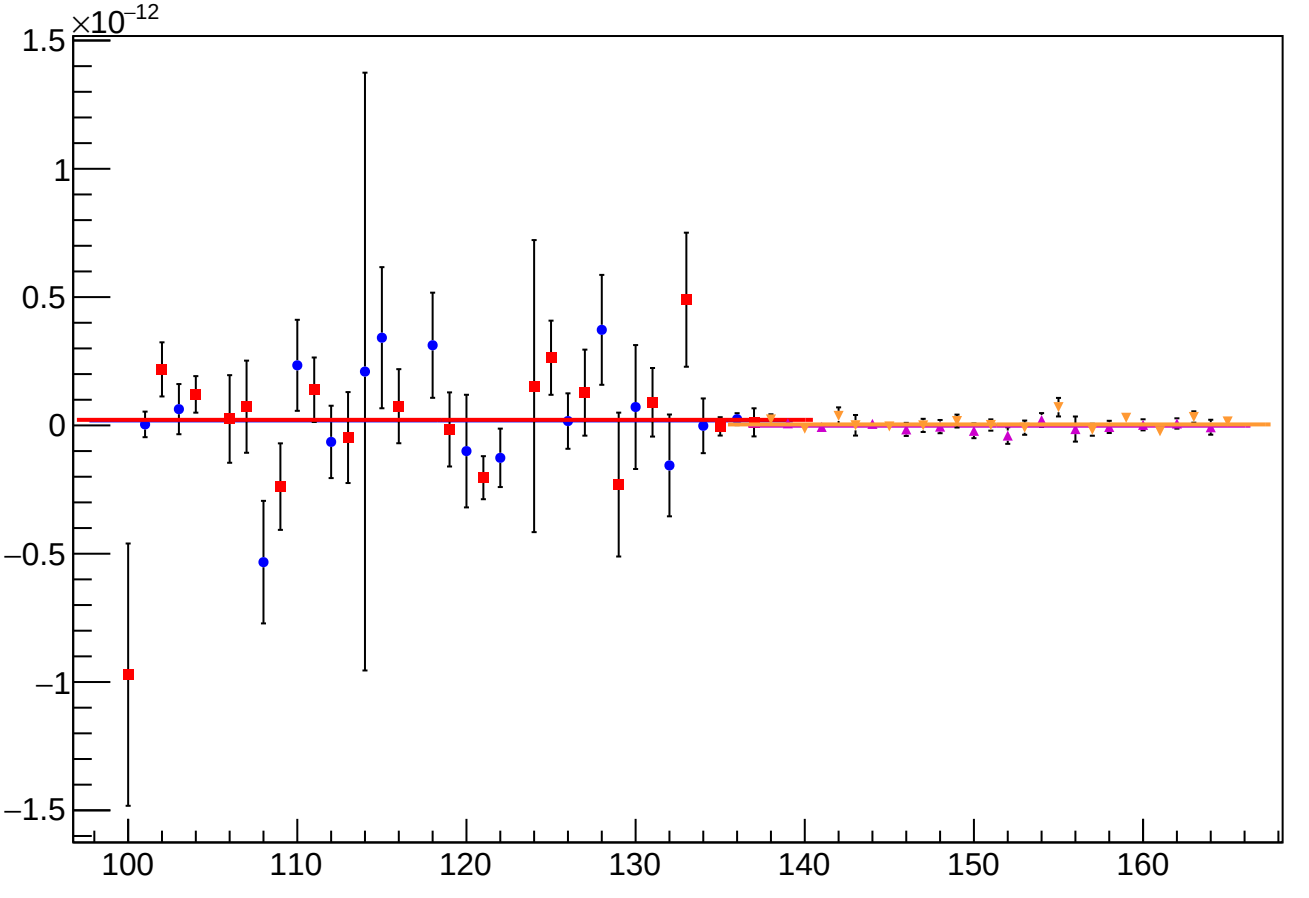
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1413.371+/-0.302 χ^2/NDF:9718.3/12

+ sign 1546.268+/-0.255 χ^2/NDF: 1291355.4/30

All: 1540.545+/-0.181 χ^2/NDF: 2420075.2/62

- sign 1534.703+/-0.258 χ^2/NDF: 1127702.1/31



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/14

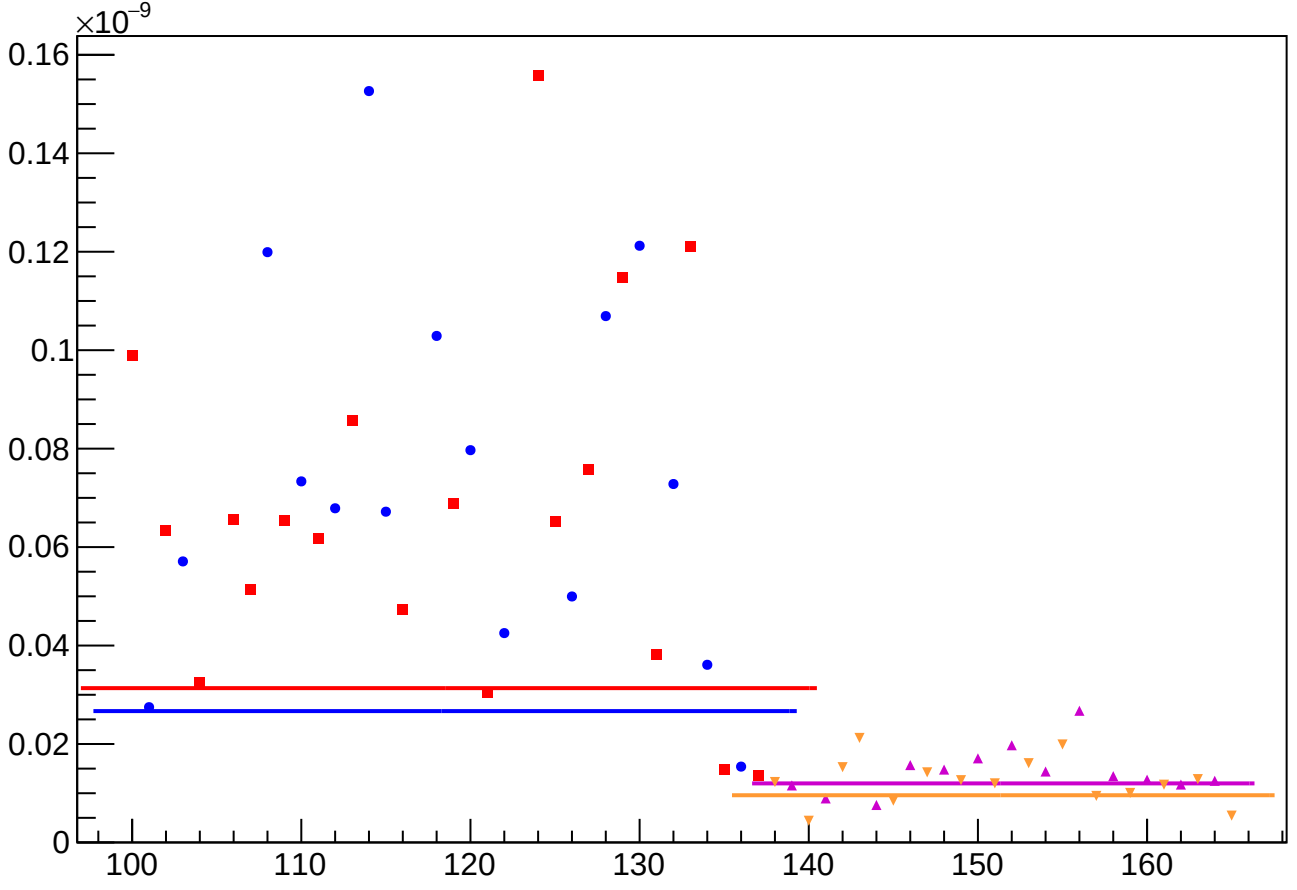
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/30

All: 0.000+/-0.000 χ^2/NDF: 65.8/62

- sign 0.000+/-0.000 χ^2/NDF: 33.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336137.2/14

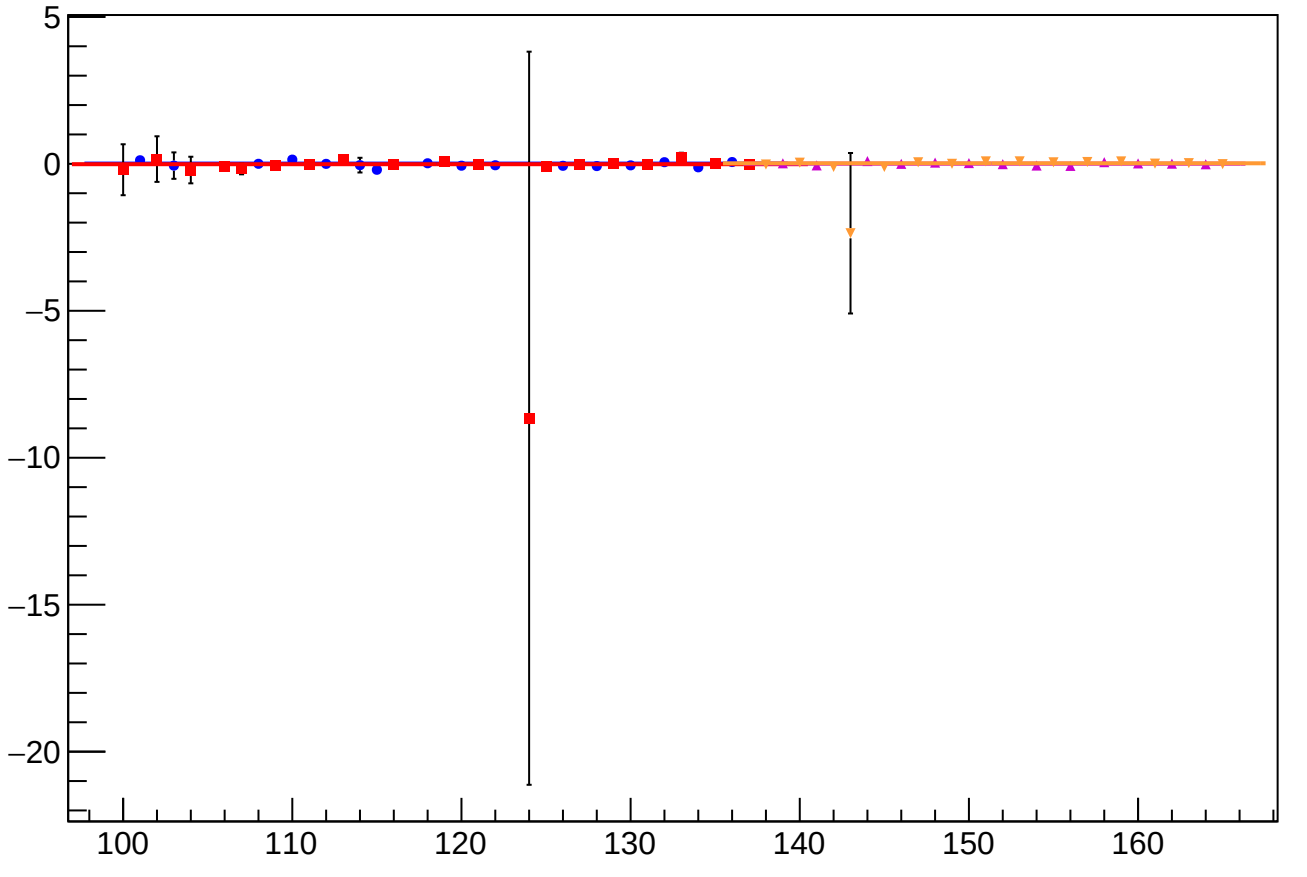
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:741129.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 5453005.8/30

All: 0.000+/-0.000 χ^2/NDF: 10089763.6/62

- sign 0.000+/-0.000 χ^2/NDF: 4417773.7/31



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

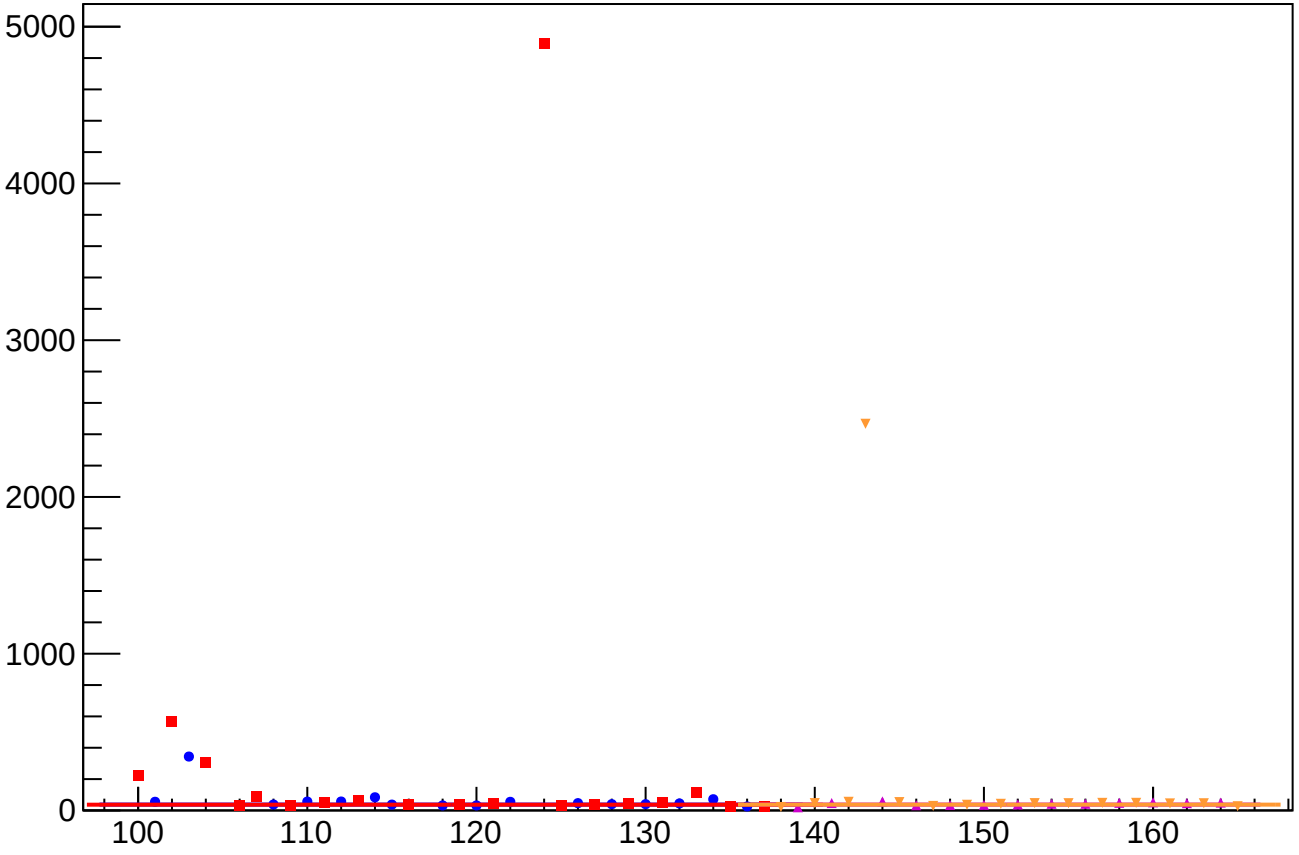
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.015+/-0.010 χ^2/NDF: 36.5/30

All: 0.007+/-0.007 χ^2/NDF: 60.8/62

- sign -0.001+/-0.010 χ^2/NDF: 23.1/31

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.126+/-0.009 χ^2/NDF:3113195.2/14

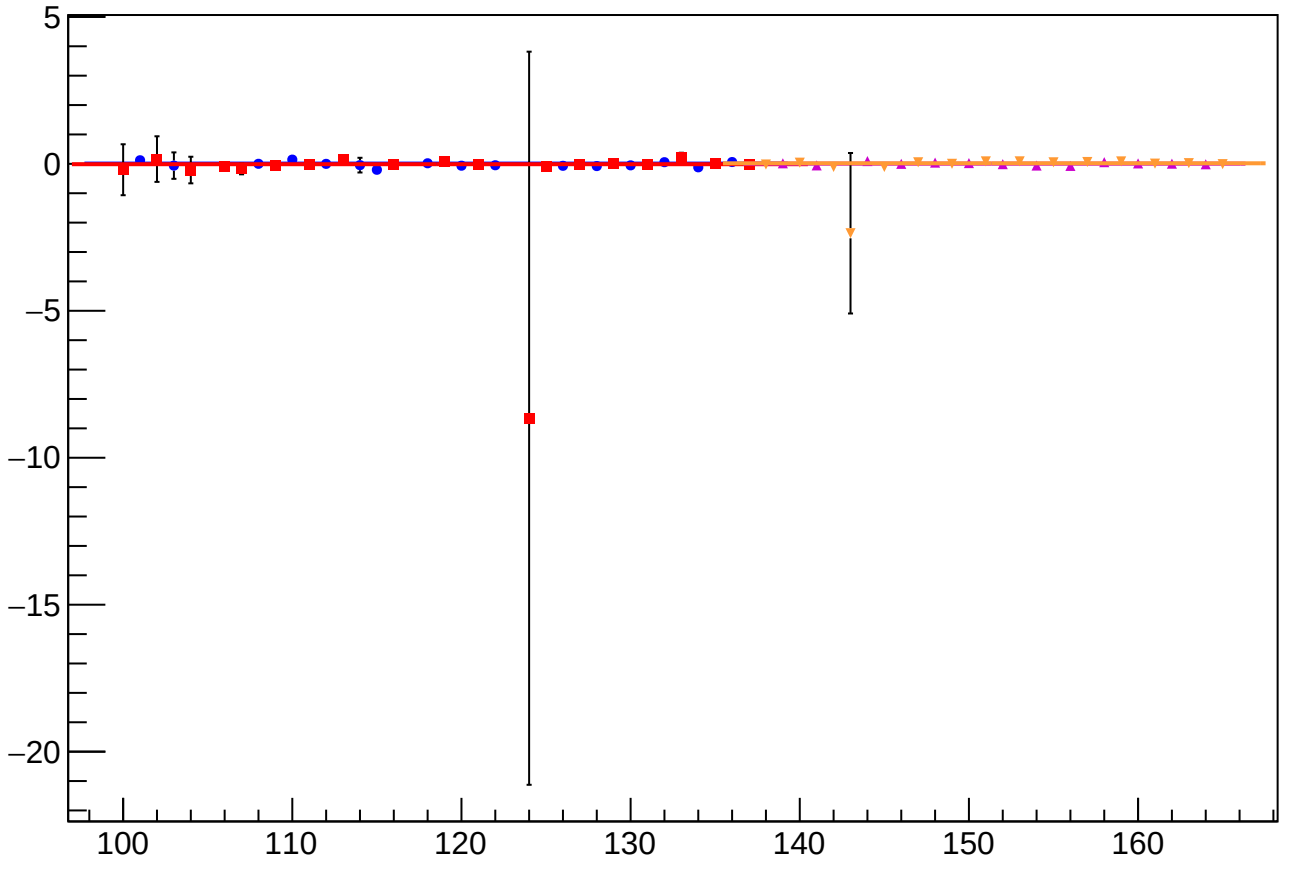
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

\+ sign 37.262+/-0.007 χ^2/NDF: 5097132.3/30

All: 37.220+/-0.005 χ^2/NDF: 9774850.9/62

\- sign 37.176+/-0.007 χ^2/NDF: 4677643.2/31



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

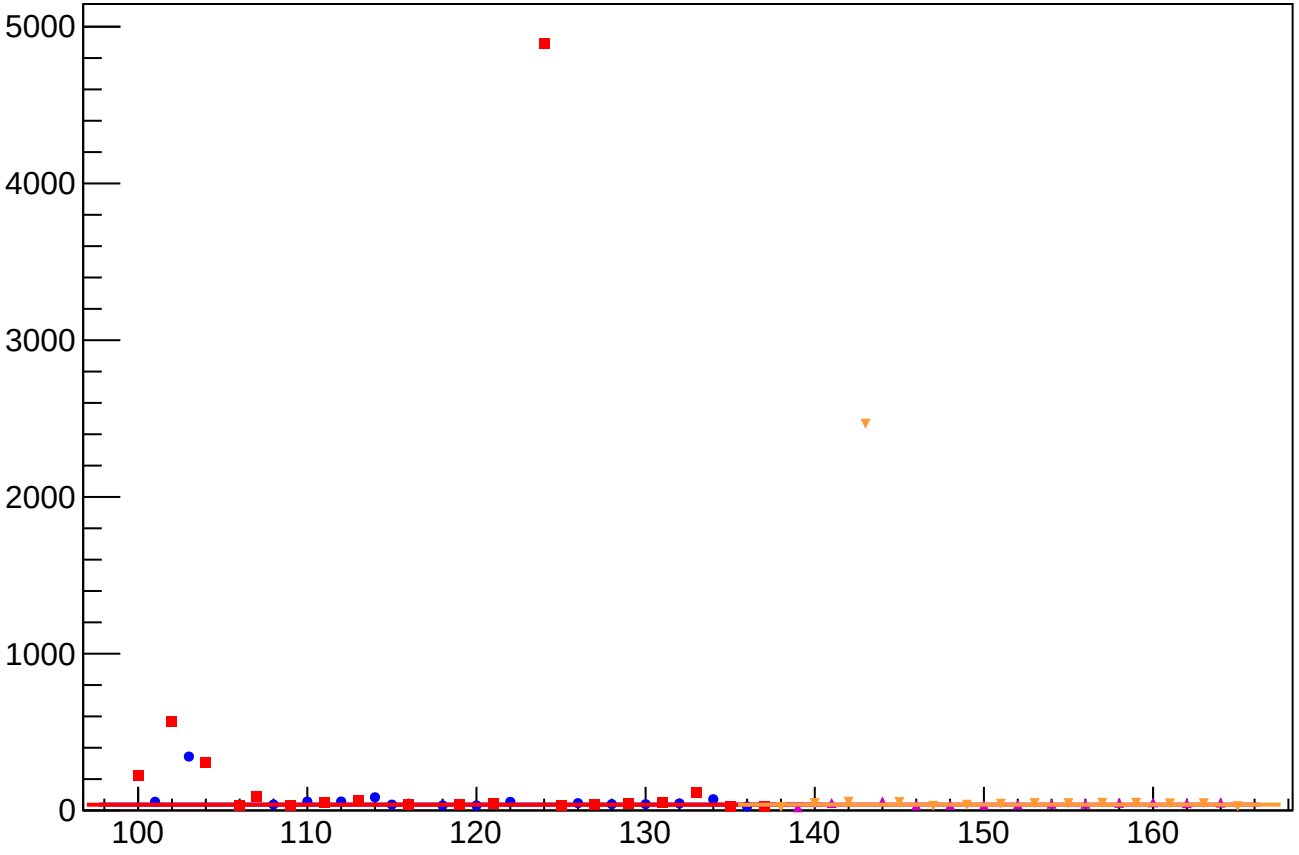
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.015+/-0.010 χ^2/NDF: 36.5/30

All: 0.007+/-0.007 χ^2/NDF: 60.8/62

- sign -0.001+/-0.010 χ^2/NDF: 23.1/31

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.126+/-0.009 χ^2/NDF:3113195.2/14

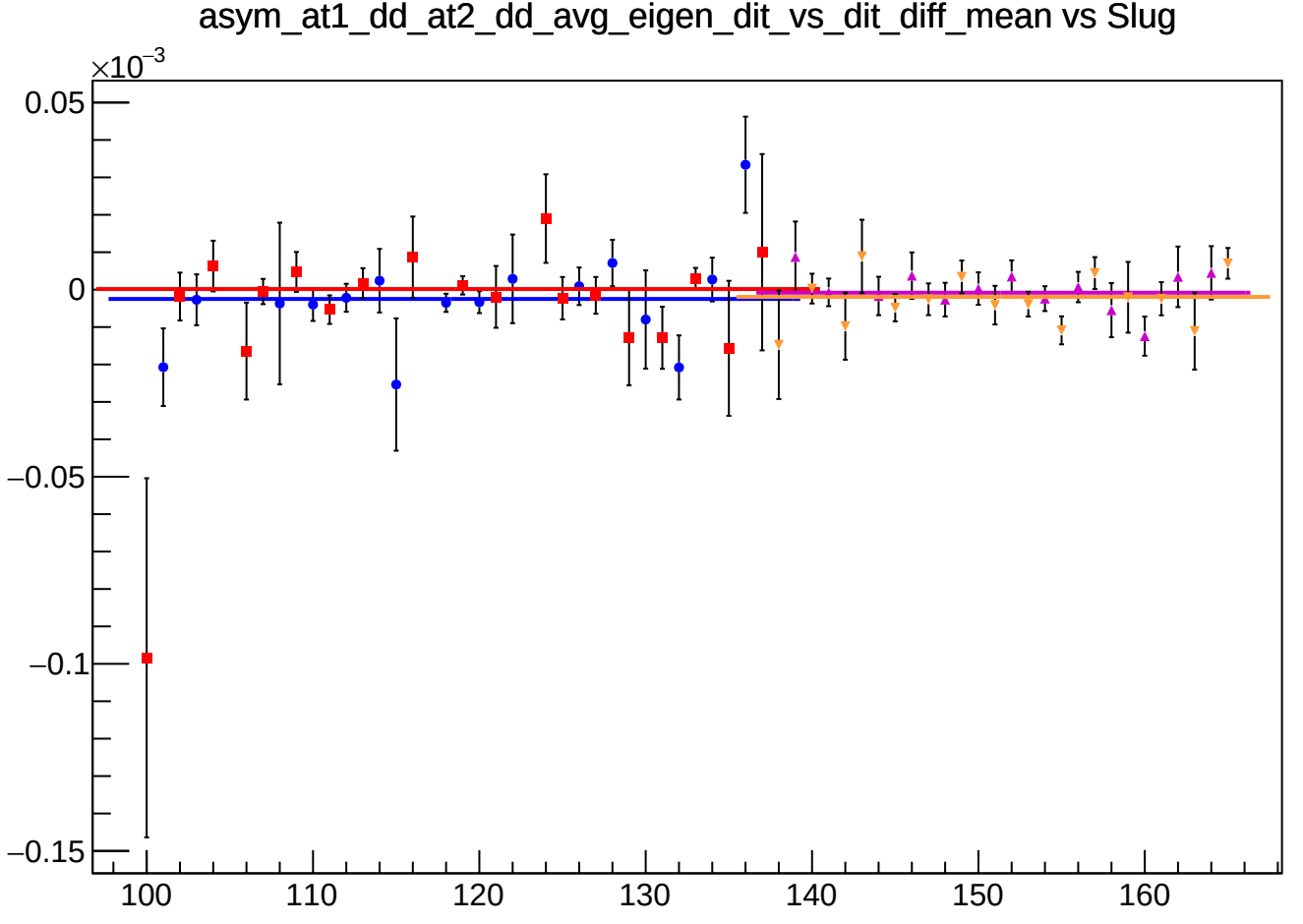
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

+ sign 37.262+/-0.007 χ^2/NDF: 5097132.3/30

All: 37.220+/-0.005 χ^2/NDF: 9774850.9/62

- sign 37.176+/-0.007 χ^2/NDF: 4677643.2/31



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/14

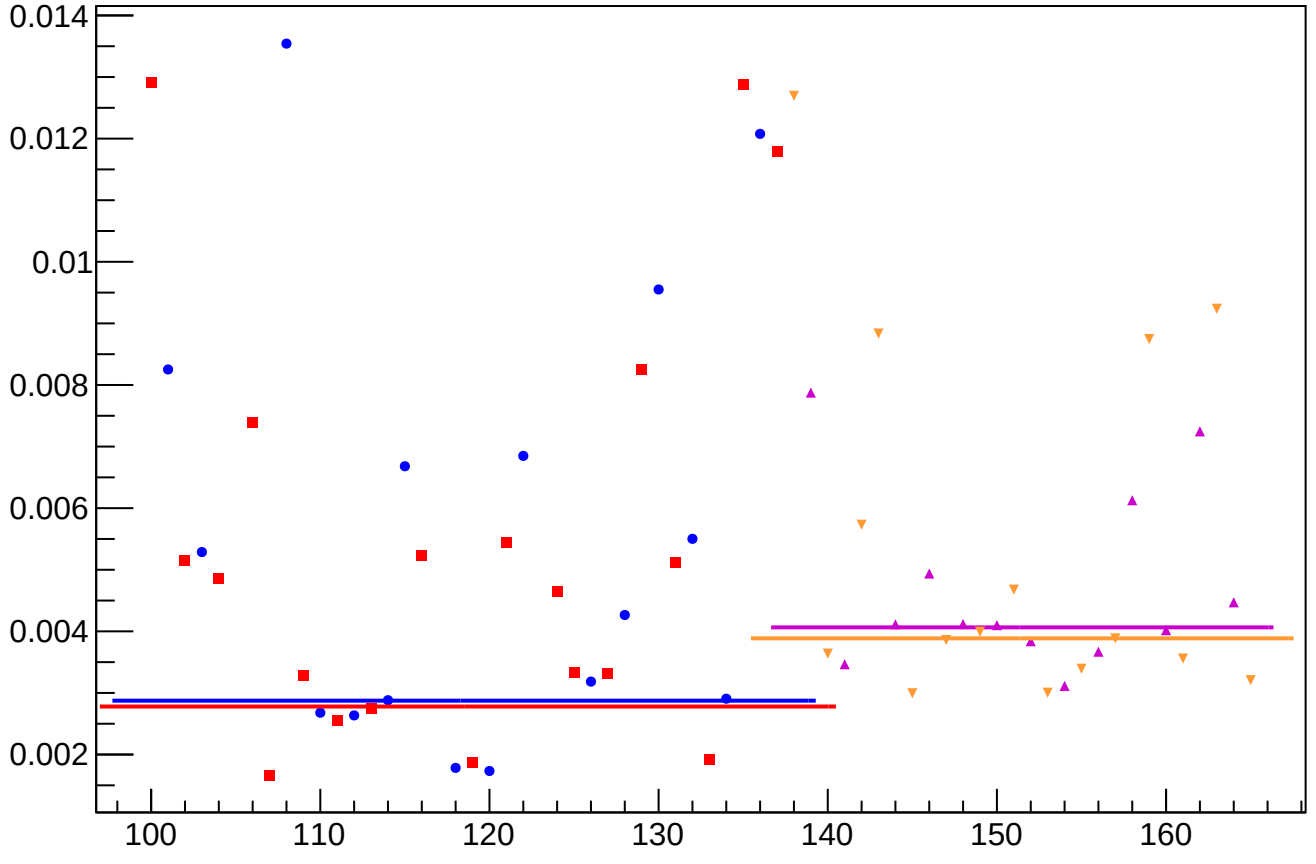
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/30

All: -0.000+/-0.000 χ^2/NDF: 72.1/62

- sign -0.000+/-0.000 χ^2/NDF: 28.5/31



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2818229.1/14

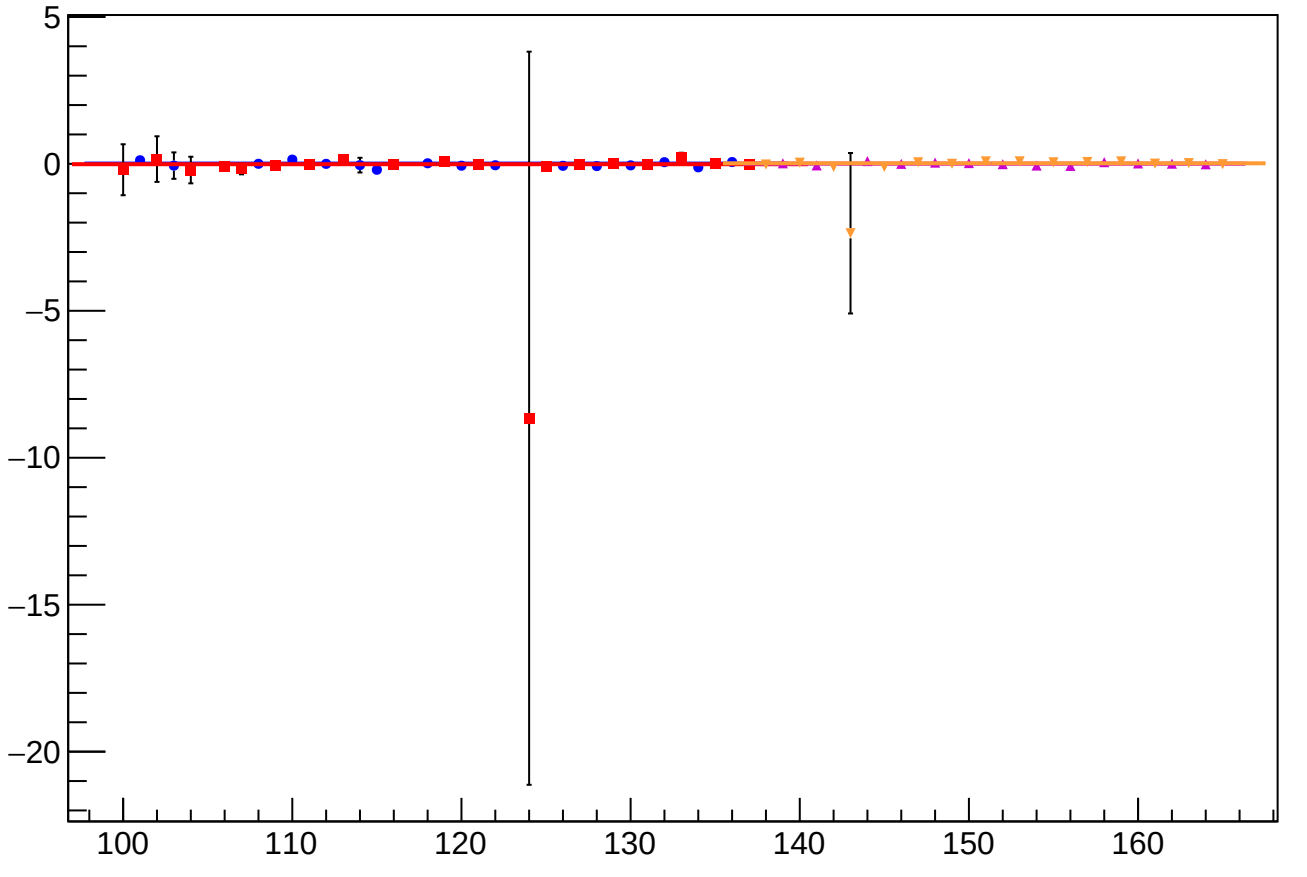
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1084023.3/12

+ sign 0.003+/-0.000 χ^2/NDF: 7606402.0/30

All: 0.003+/-0.000 χ^2/NDF: 13039568.6/62

- sign 0.003+/-0.000 χ^2/NDF: 5425398.0/31



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

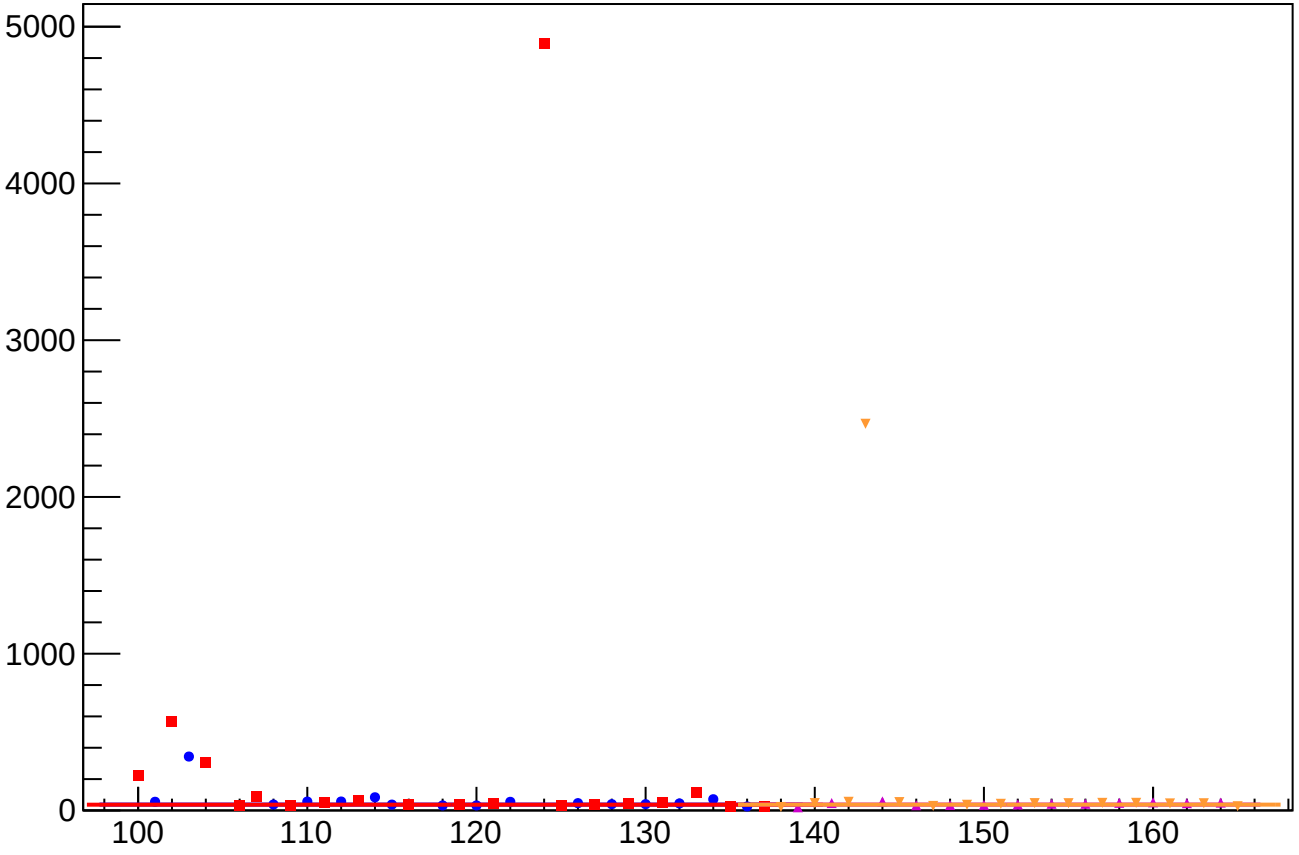
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.015+/-0.010 χ^2/NDF: 36.5/30

All: 0.007+/-0.007 χ^2/NDF: 60.8/62

- sign -0.001+/-0.010 χ^2/NDF: 23.1/31

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: 37.124+/-0.009 χ^2/NDF:3113648.5/14

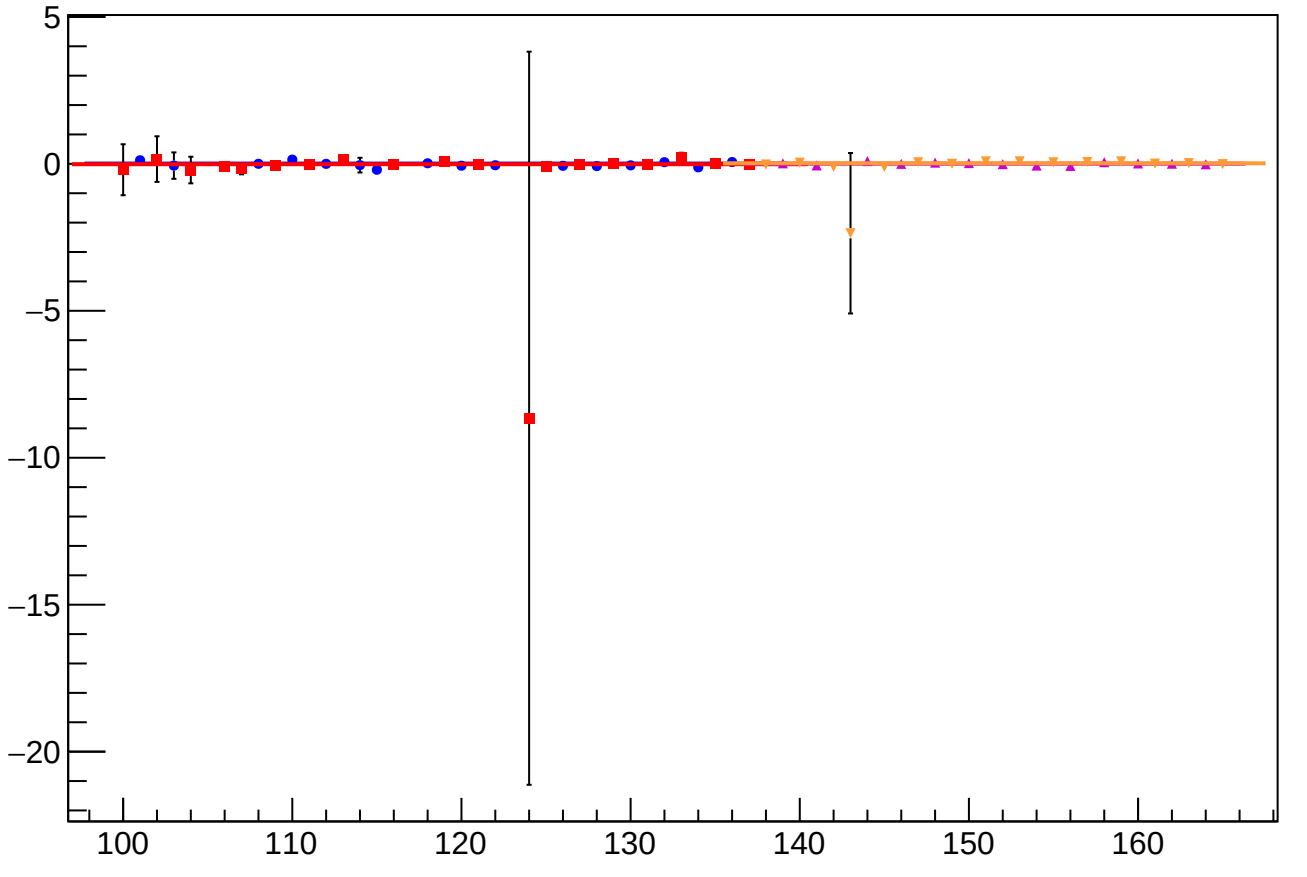
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

+ sign 37.261+/-0.007 χ^2/NDF: 5097526.8/30

All: 37.220+/-0.005 χ^2/NDF: 9773692.7/62

- sign 37.179+/-0.007 χ^2/NDF: 4676096.9/31



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.012 χ^2/NDF:16.9/14

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

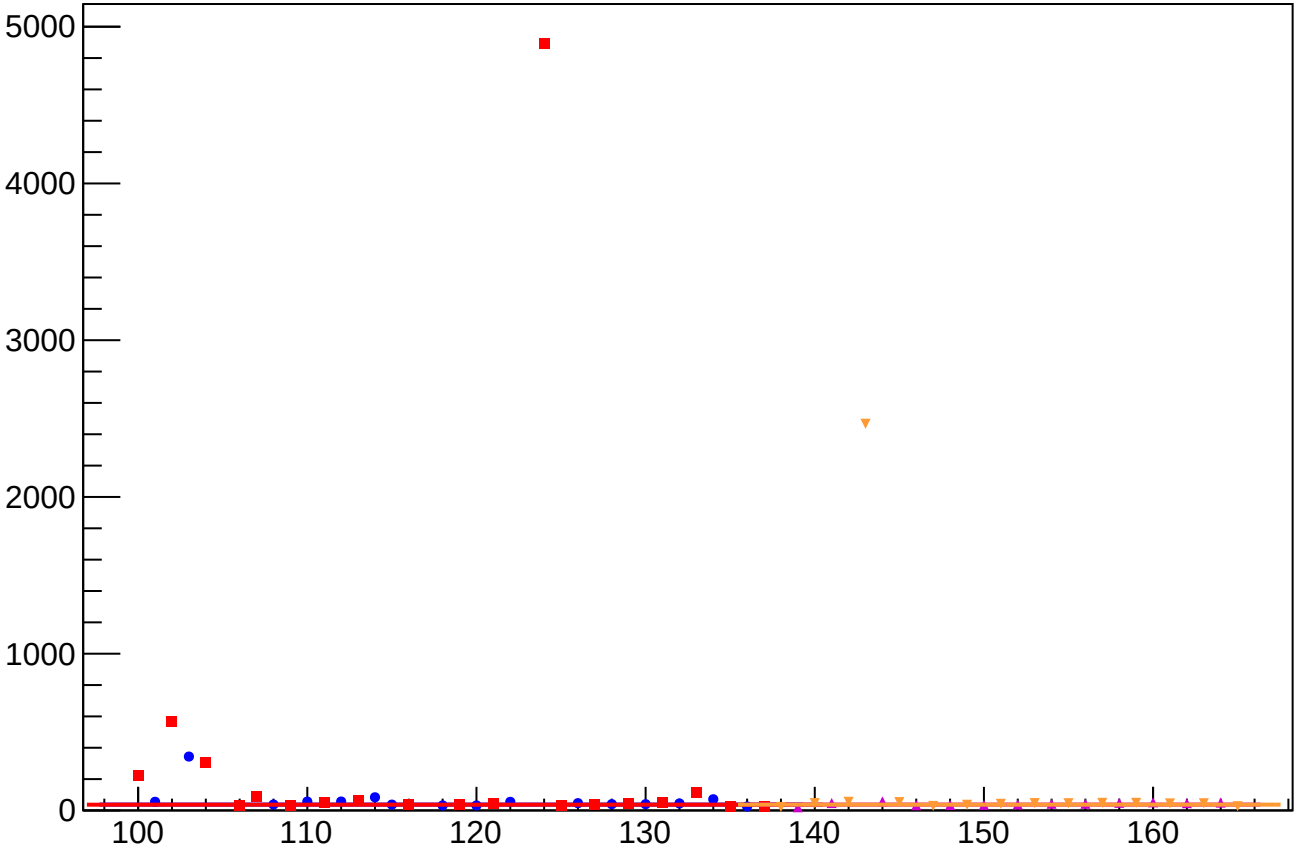
Left In: 0.006+/-0.012 χ^2/NDF:9.7/12

+ sign 0.015+/-0.010 χ^2/NDF: 36.5/30

All: 0.007+/-0.007 χ^2/NDF: 60.8/62

- sign -0.001+/-0.010 χ^2/NDF: 23.1/31

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: 37.124+/-0.009 χ^2/NDF:3113648.5/14

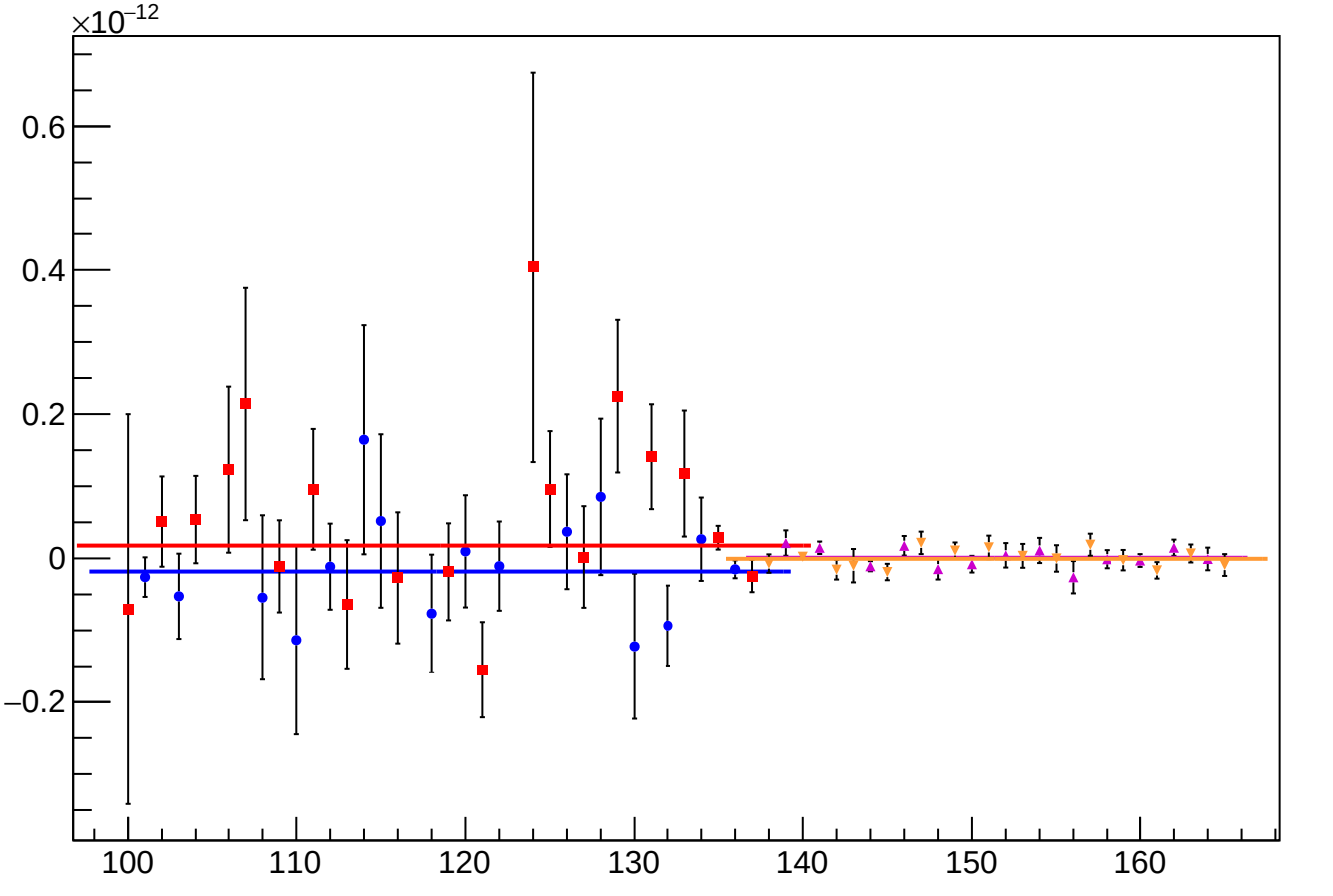
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

+ sign 37.261+/-0.007 χ^2/NDF: 5097526.8/30

All: 37.220+/-0.005 χ^2/NDF: 9773692.7/62

- sign 37.179+/-0.007 χ^2/NDF: 4676096.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/14

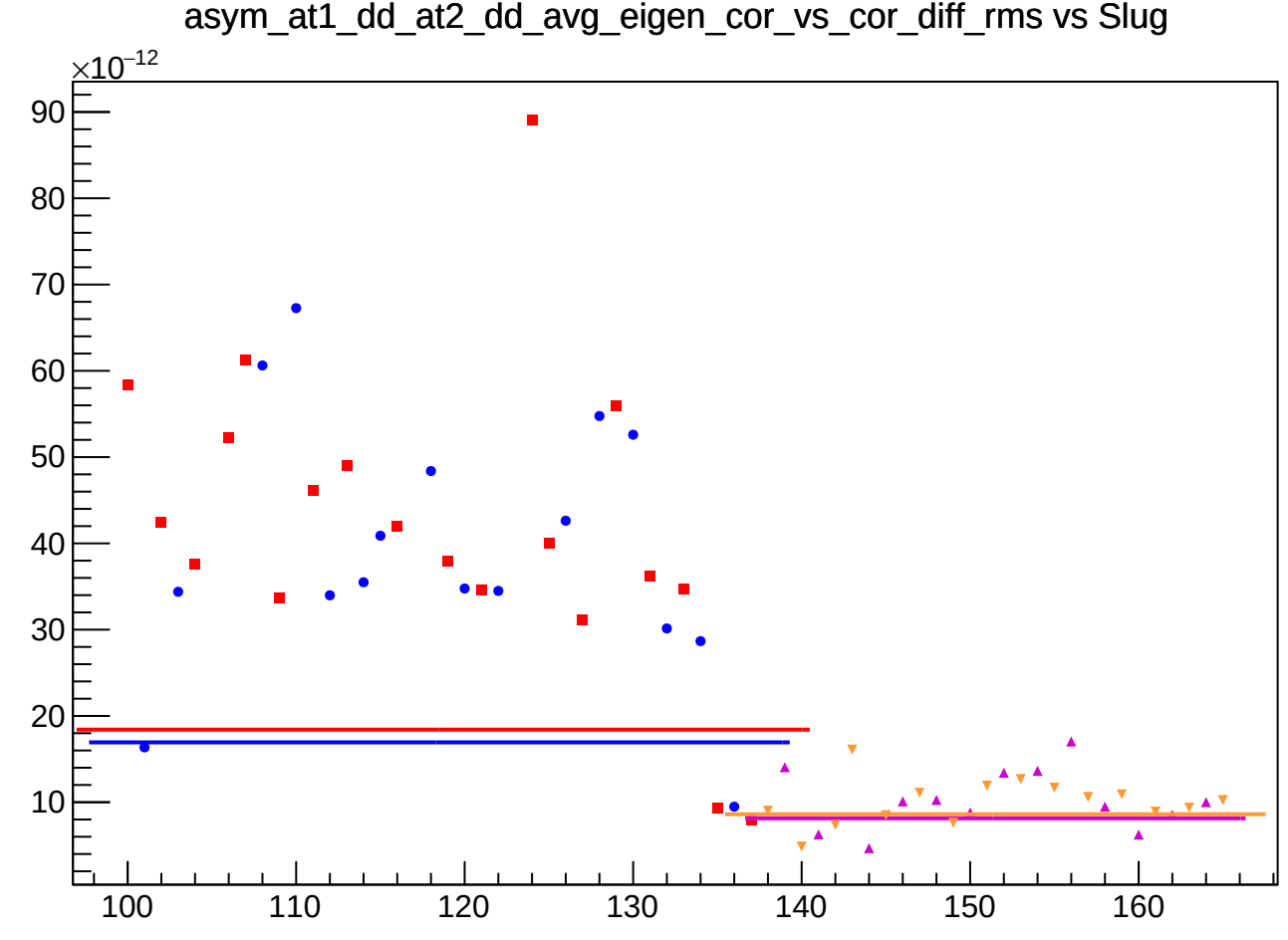
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/30

All: -0.000+/-0.000 χ^2/NDF: 68.0/62

- sign 0.000+/-0.000 χ^2/NDF: 43.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1290217.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

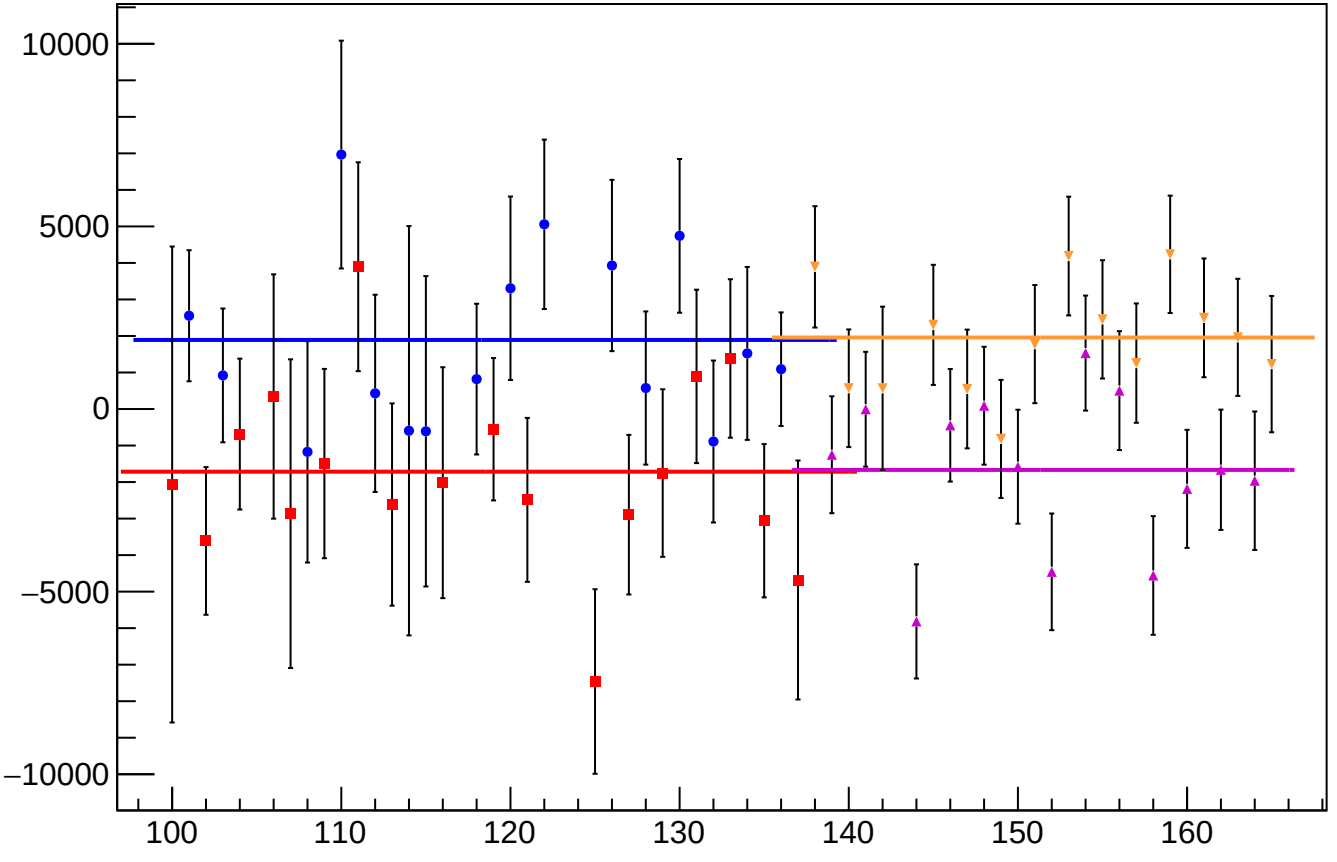
Left In: 0.000+/-0.000 χ^2/NDF:1751011.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 5770878.8/30

All: 0.000+/-0.000 χ^2/NDF: 12810876.2/62

- sign 0.000+/-0.000 χ^2/NDF: 7016850.8/31

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1957.800+/-445.612 χ^2/NDF:10.7/13

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

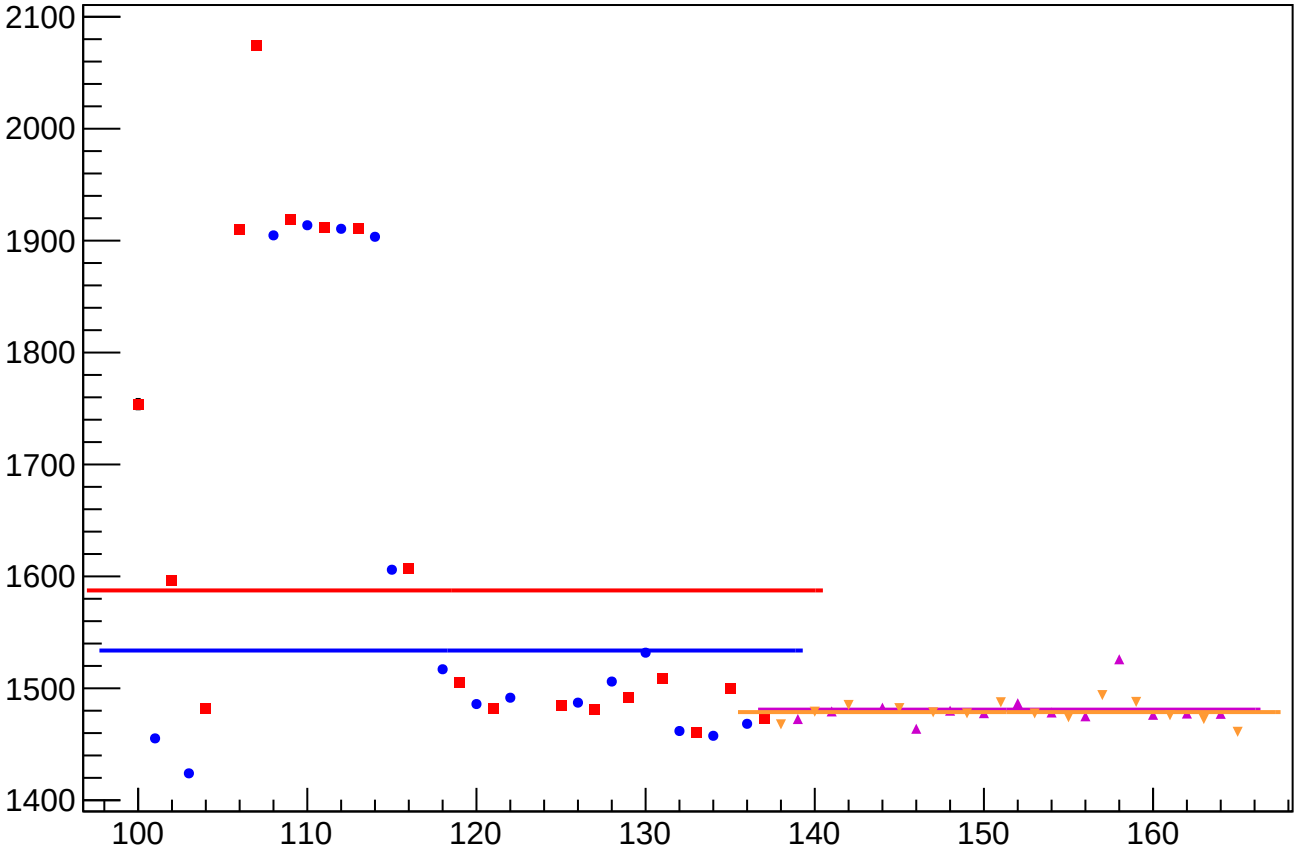
Left In: -1666.953+/-447.128 χ^2/NDF:22.3/12

+ sign 1932.757+/-351.586 χ^2/NDF: 22.9/29

All: 147.798+/-250.241 χ^2/NDF: 113.4/60

- sign -1684.831+/-356.250 χ^2/NDF: 38.3/30

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1478.753+/-0.315 χ^2/NDF:640.8/13

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

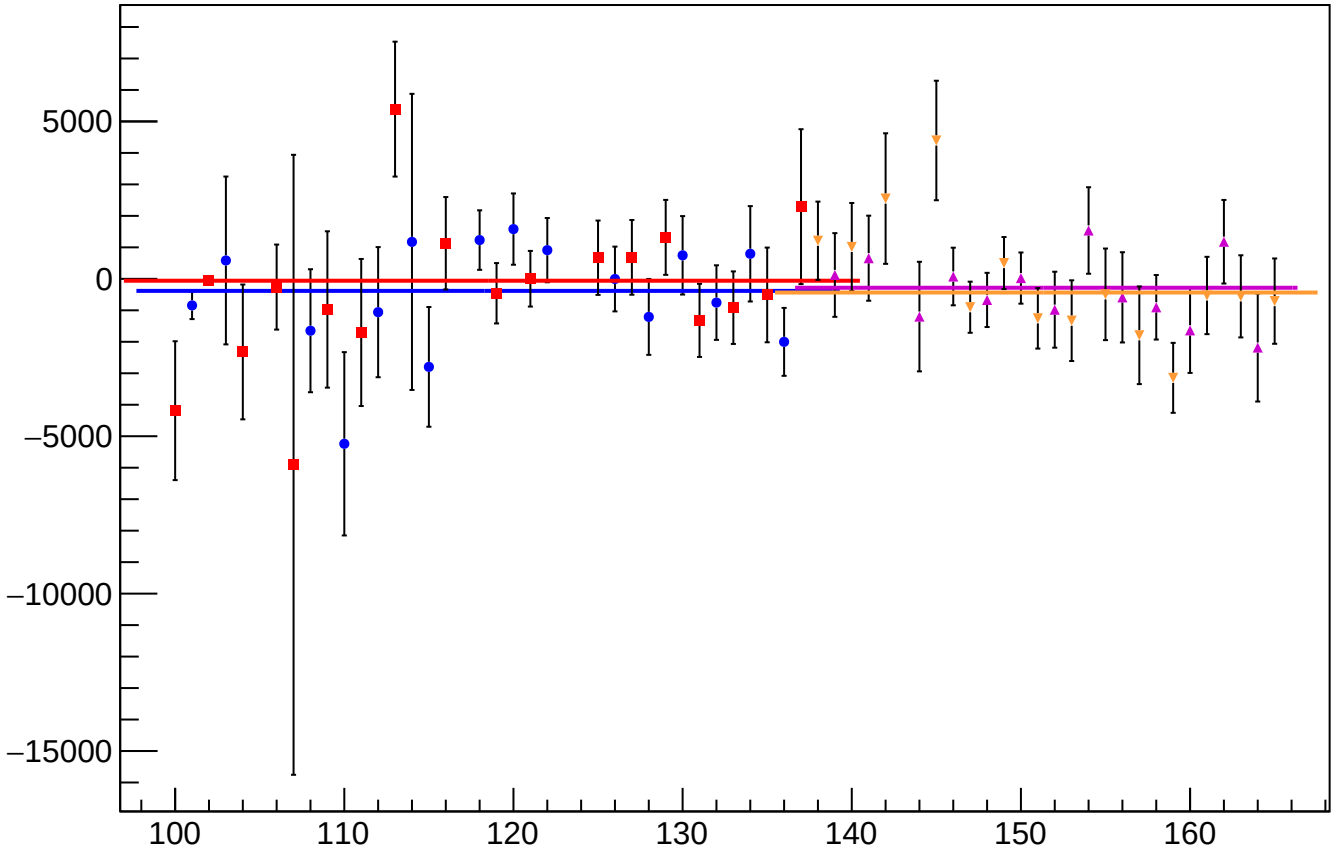
Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

+ sign 1499.521+/-0.249 χ^2/NDF: 141421.0/29

All: 1509.551+/-0.177 χ^2/NDF: 360090.5/60

- sign 1519.848+/-0.252 χ^2/NDF: 215371.0/30

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -434.821+/-318.906 χ^2/NDF:21.0/13

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

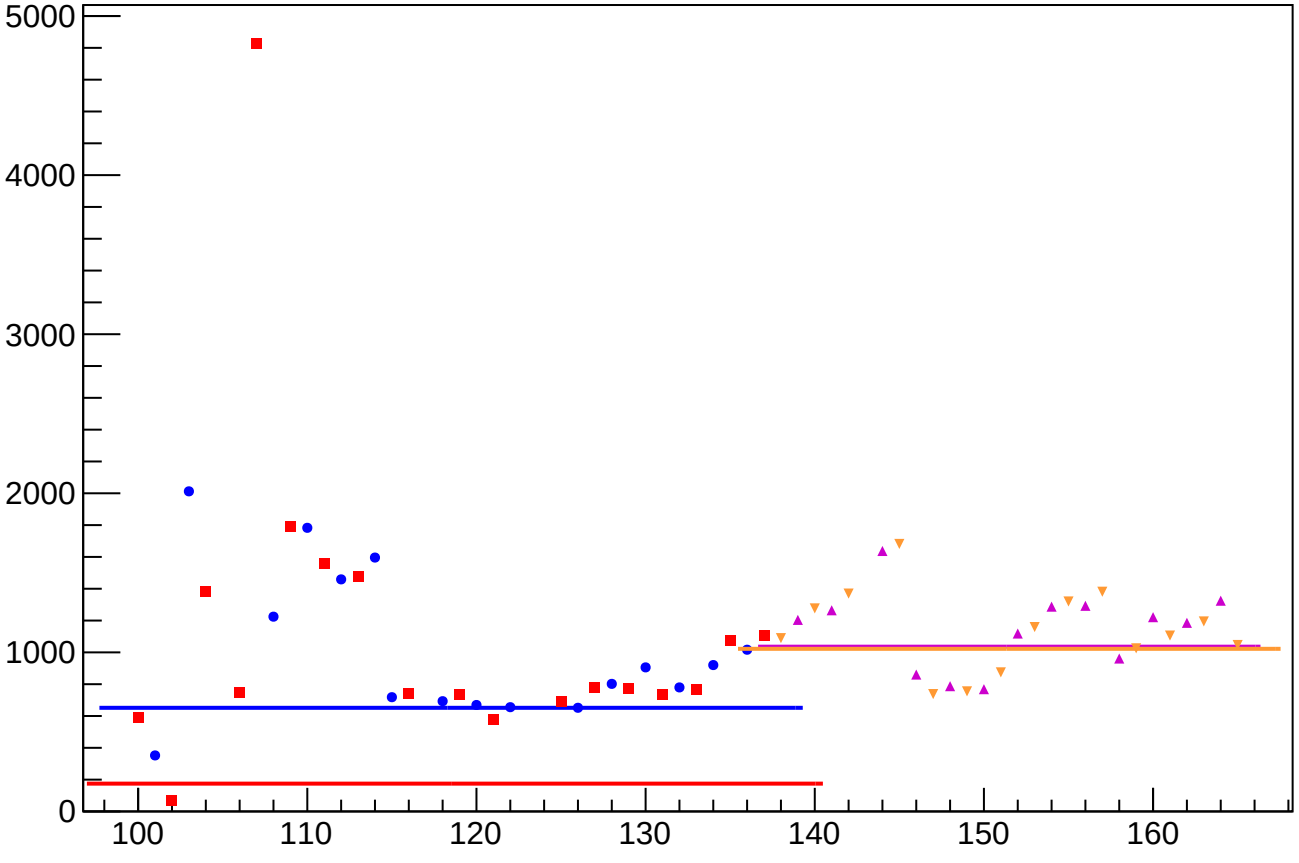
Left In: -283.344+/-322.572 χ^2/NDF:7.3/12

\+ sign -404.719+/-207.042 χ^2/NDF: 39.2/29

All: -168.066+/-102.999 χ^2/NDF: 66.4/60

\- sign -90.235+/-118.735 χ^2/NDF: 25.5/30

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1022.313+/-0.226 χ^2/NDF:1129515.0/13

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

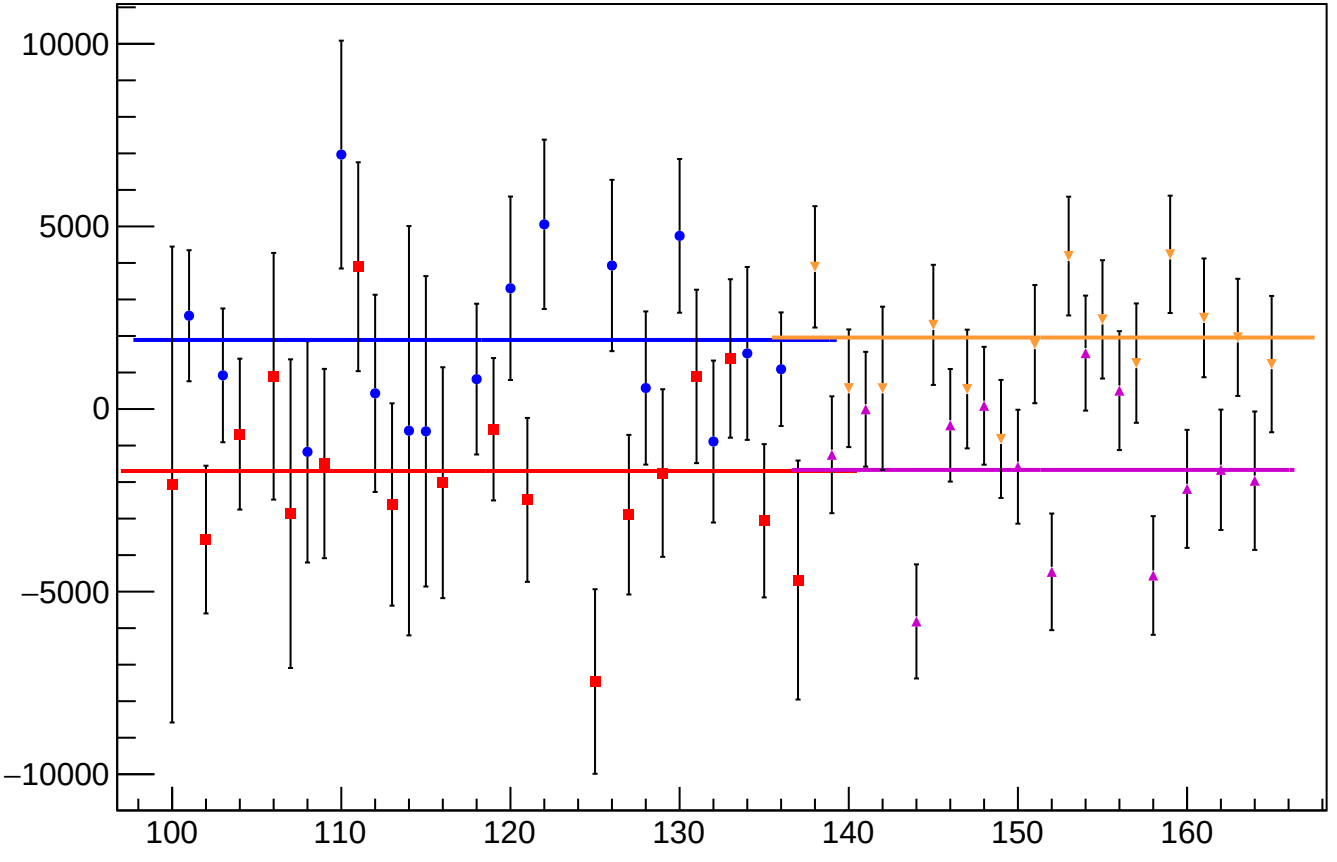
Left In: 1035.790+/-0.228 χ^2/NDF:1055459.3/12

+ sign 807.808+/-0.146 χ^2/NDF: 5456290.9/29

All: 419.310+/-0.073 χ^2/NDF: 37946217.5/60

- sign 291.540+/-0.084 χ^2/NDF: 23132007.4/30

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1957.762+/-445.612 χ^2/NDF:10.7/13

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

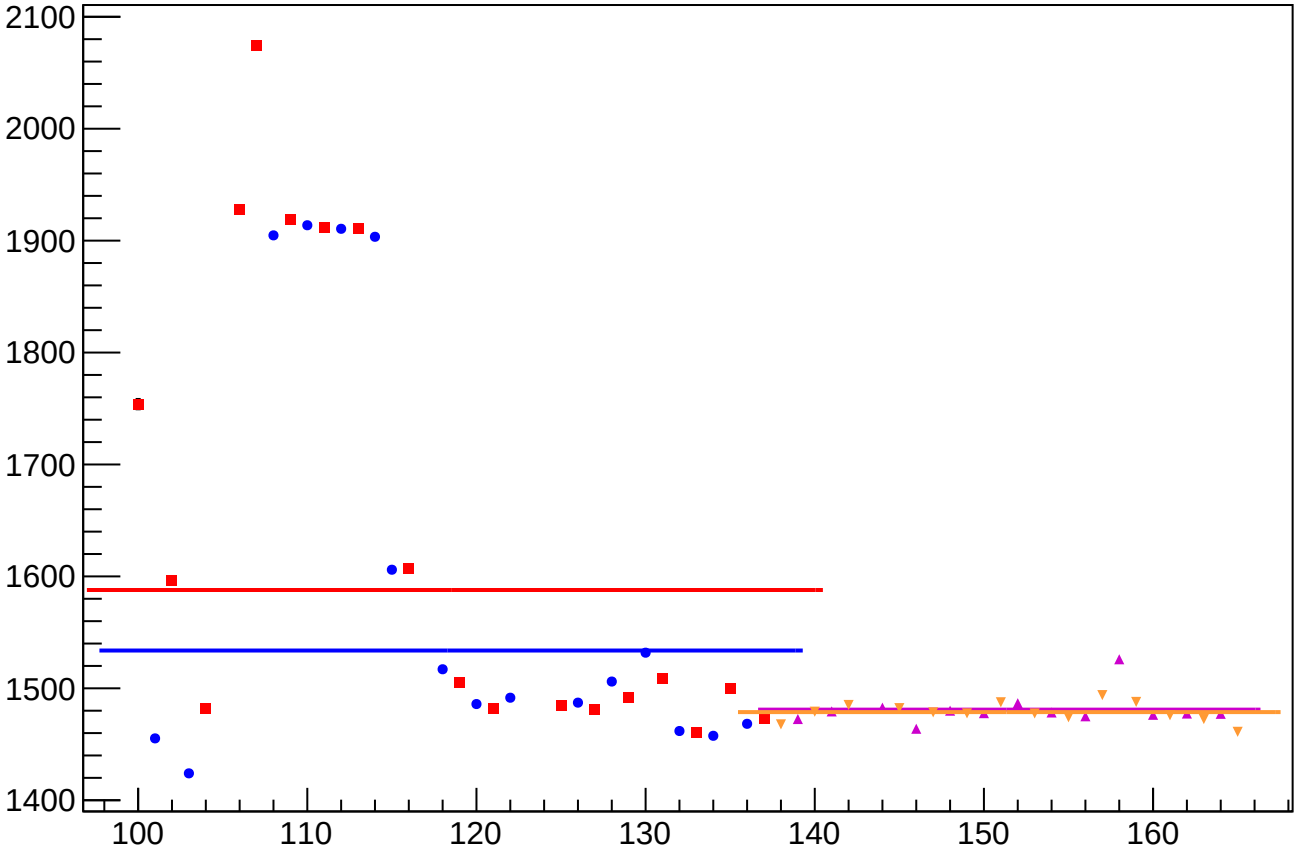
Left In: -1667.066+/-447.128 χ^2/NDF:22.3/12

+ sign 1932.772+/-351.586 χ^2/NDF: 22.9/29

All: 151.385+/-250.255 χ^2/NDF: 113.4/60

- sign -1677.988+/-356.290 χ^2/NDF: 38.5/30

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.753+/-0.315 χ^2/NDF:640.8/13

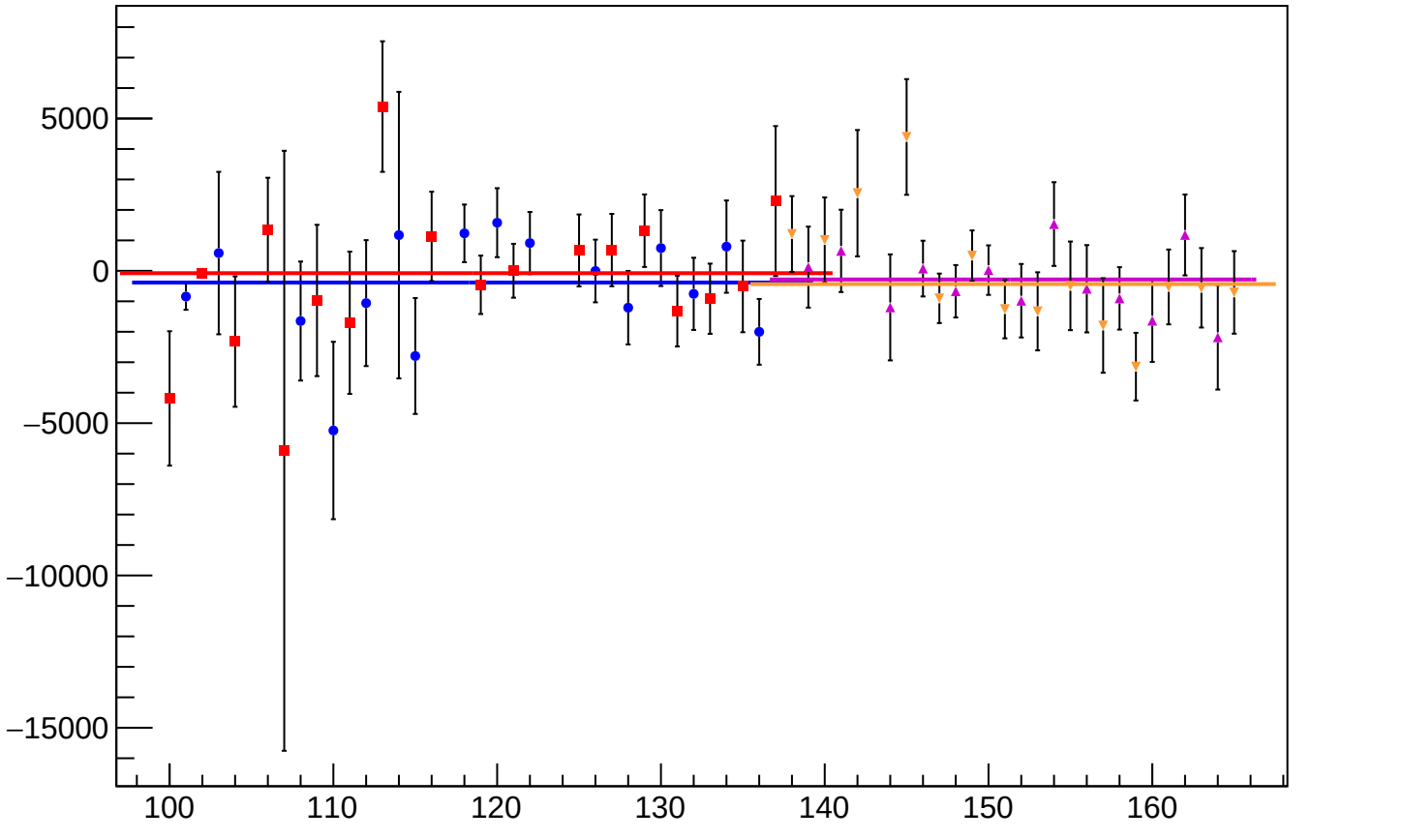
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

+ sign 1499.521+/-0.249 χ^2/NDF: 141421.0/29

All: 1509.611+/-0.177 χ^2/NDF: 362193.2/60

- sign 1519.973+/-0.252 χ^2/NDF: 217433.4/30



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -434.884+/-318.909 χ^2/NDF:21.0/13

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

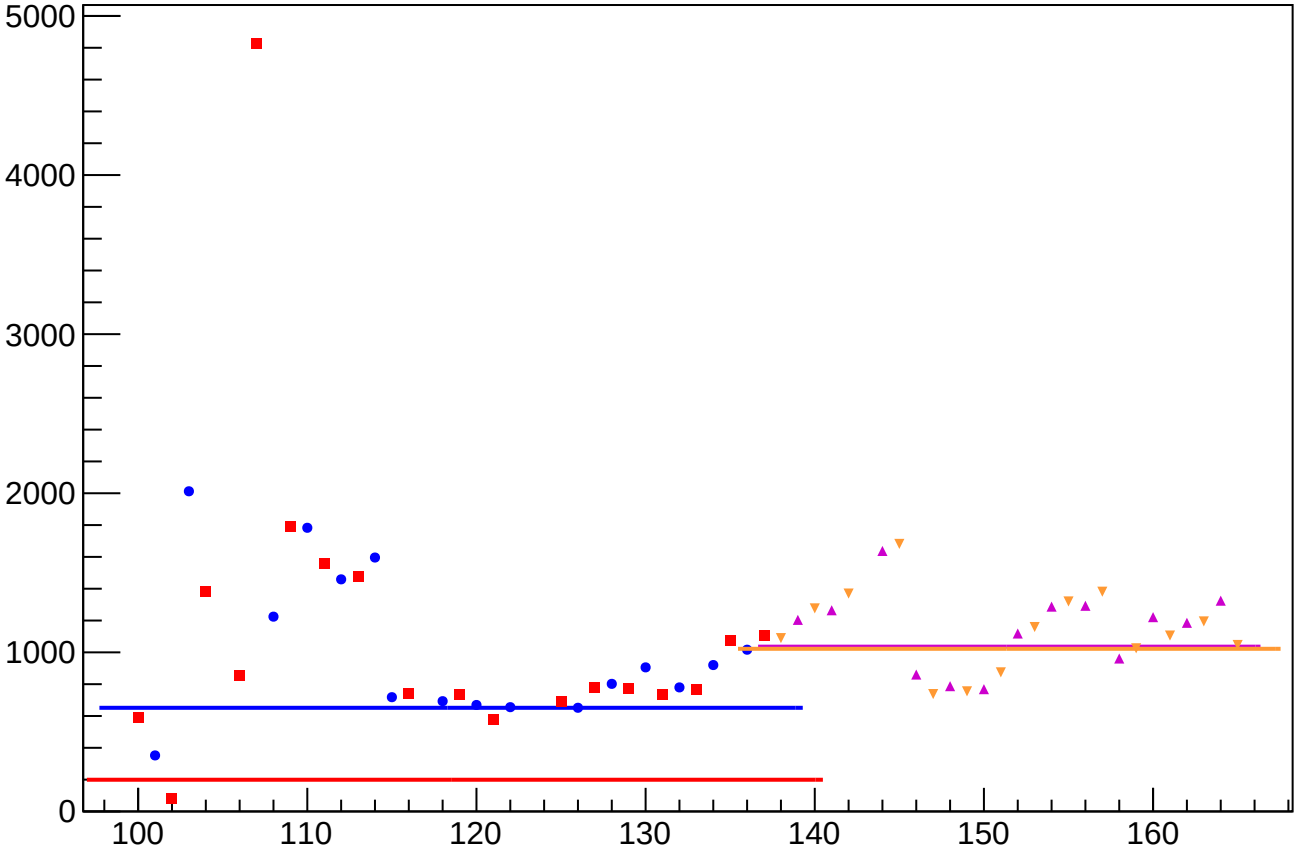
Left In: -283.427+/-322.572 χ^2/NDF:7.3/12

\+ sign -404.730+/-207.042 χ^2/NDF: 39.2/29

All: -189.677+/-108.246 χ^2/NDF: 66.8/60

\- sign -108.782+/-126.984 χ^2/NDF: 26.1/30

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.322+/-0.226 χ^2/NDF:1129509.0/13

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

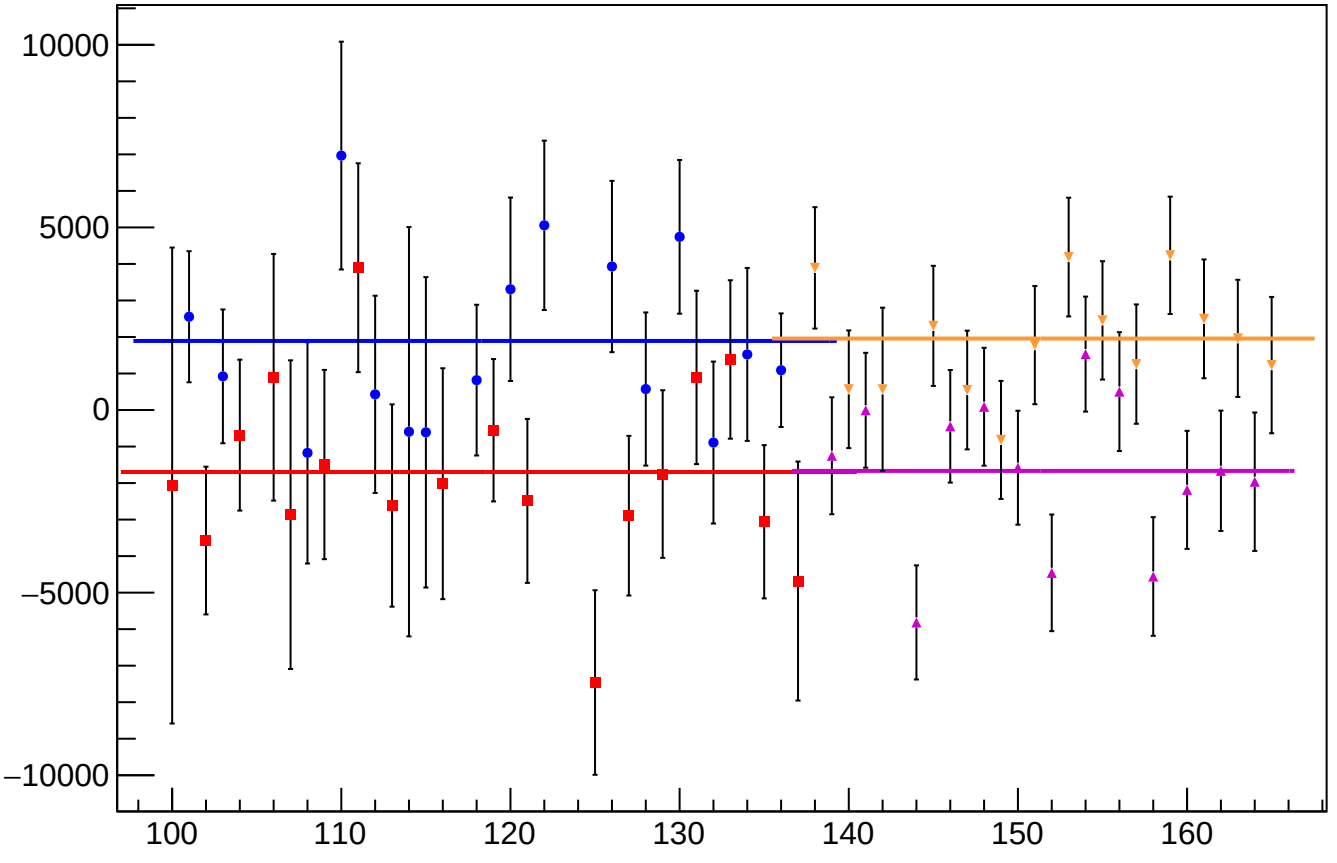
Left In: 1035.790+/-0.228 χ^2/NDF:1055542.2/12

\+ sign 807.809+/-0.146 χ^2/NDF: 5456385.9/29

All: 459.854+/-0.077 χ^2/NDF: 34934323.8/60

\- sign 328.966+/-0.090 χ^2/NDF: 21704210.3/30

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1957.762+/-445.612 χ^2/NDF:10.7/13

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

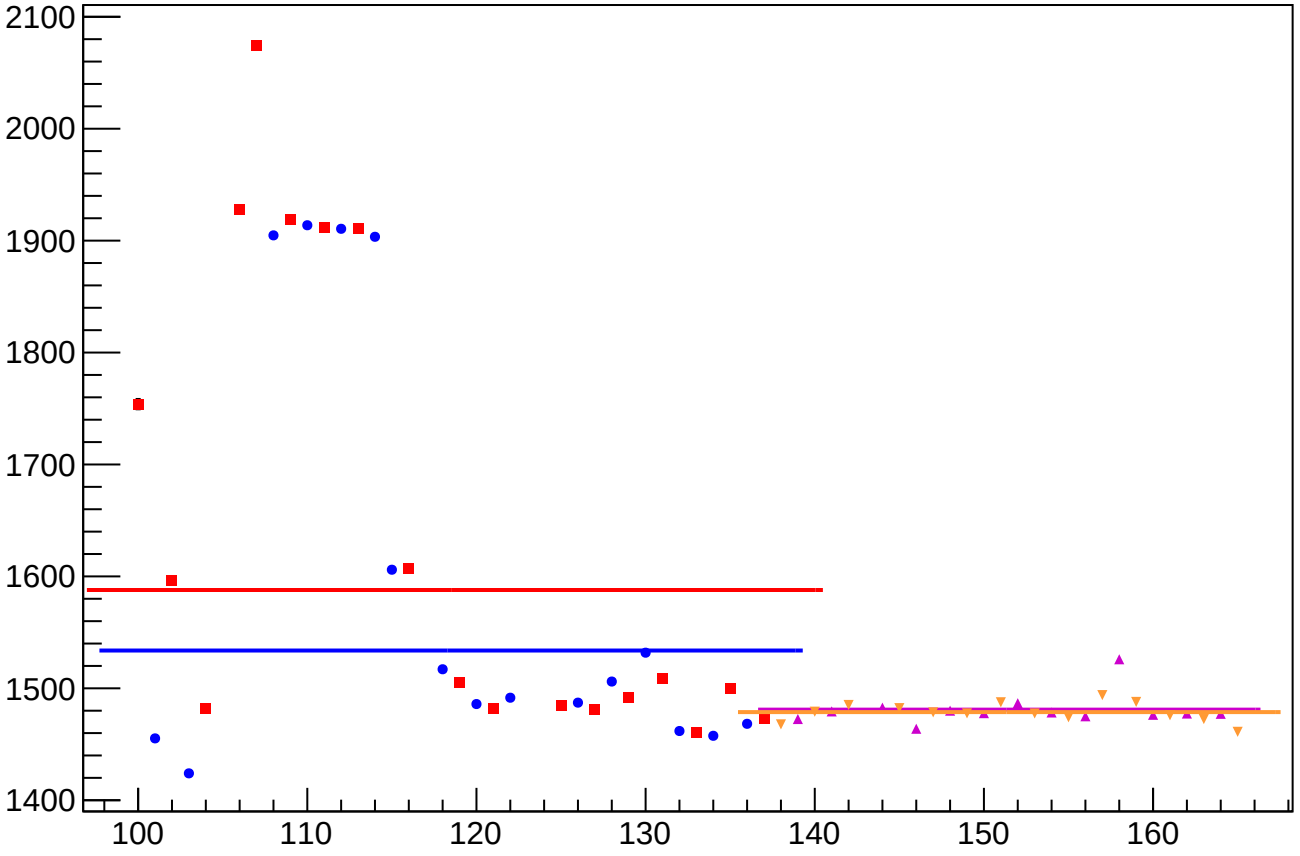
Left In: -1667.066+/-447.128 χ^2/NDF:22.3/12

+ sign 1932.772+/-351.586 χ^2/NDF: 22.9/29

All: 151.385+/-250.255 χ^2/NDF: 113.4/60

- sign -1677.988+/-356.290 χ^2/NDF: 38.5/30

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.753+/-0.315 χ^2/NDF:640.8/13

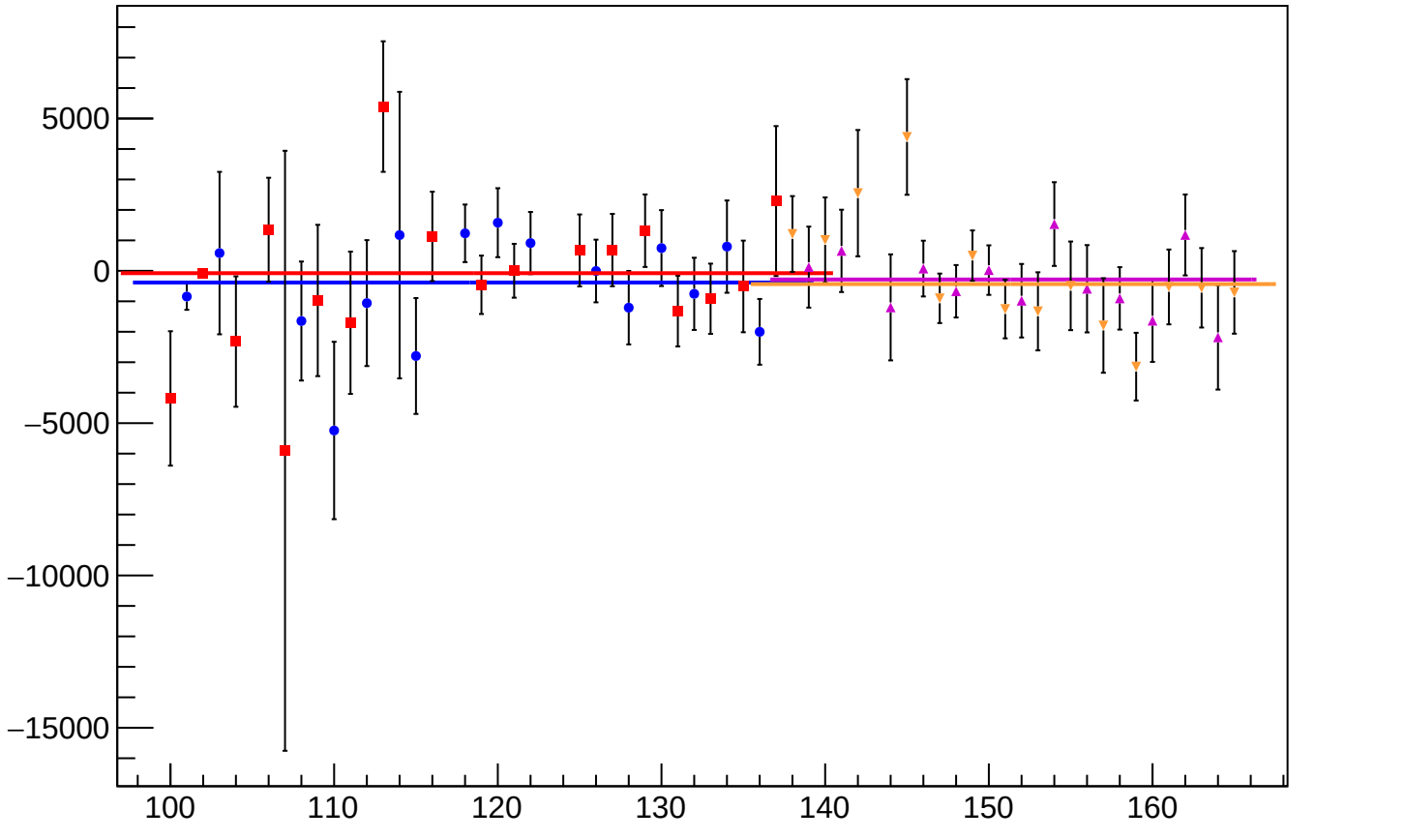
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

+ sign 1499.521+/-0.249 χ^2/NDF: 141421.0/29

All: 1509.611+/-0.177 χ^2/NDF: 362193.2/60

- sign 1519.973+/-0.252 χ^2/NDF: 217433.4/30



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -434.884+/-318.909 χ^2/NDF:21.0/13

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

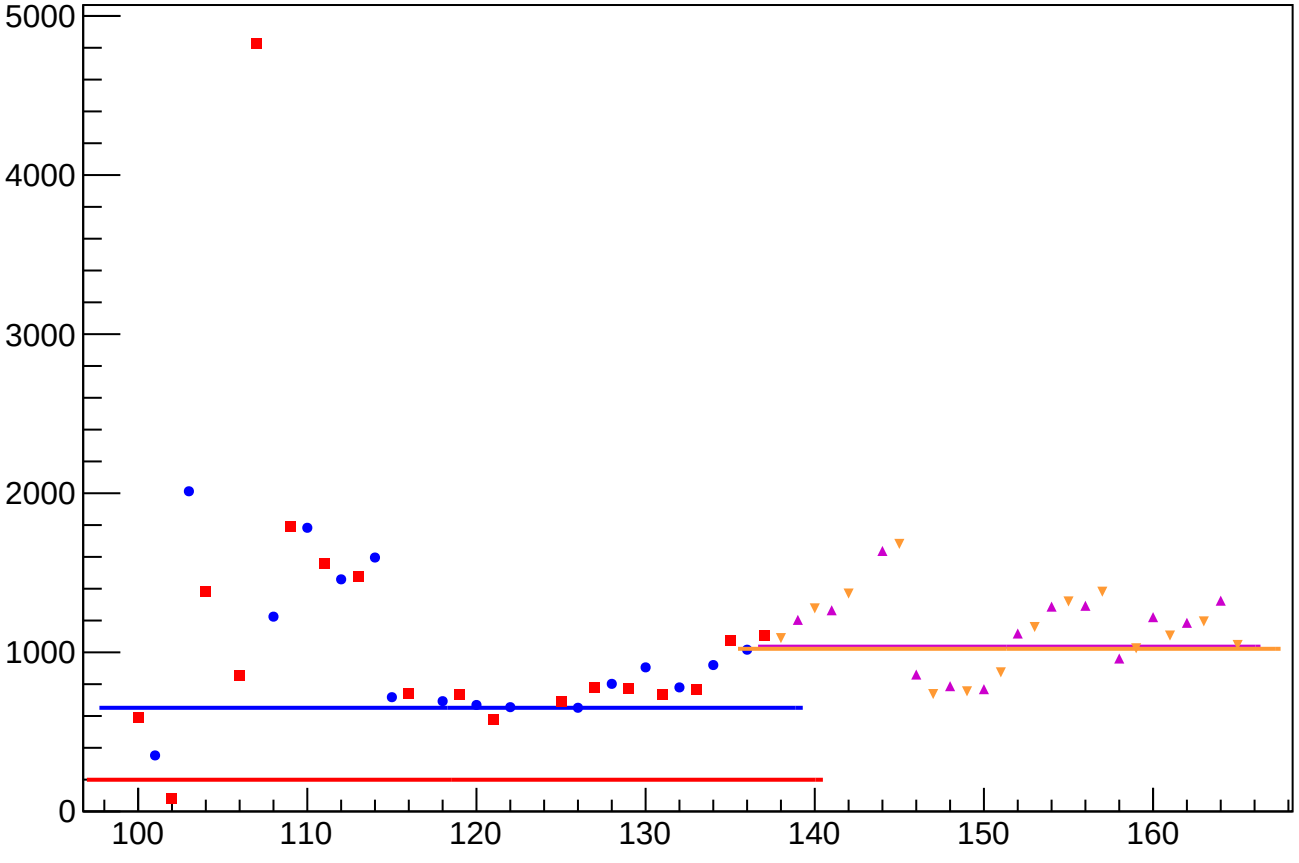
Left In: -283.427+/-322.572 χ^2/NDF:7.3/12

\+ sign -404.730+/-207.042 χ^2/NDF: 39.2/29

All: -189.677+/-108.246 χ^2/NDF: 66.8/60

\- sign -108.782+/-126.984 χ^2/NDF: 26.1/30

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.322+/-0.226 χ^2/NDF:1129509.0/13

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

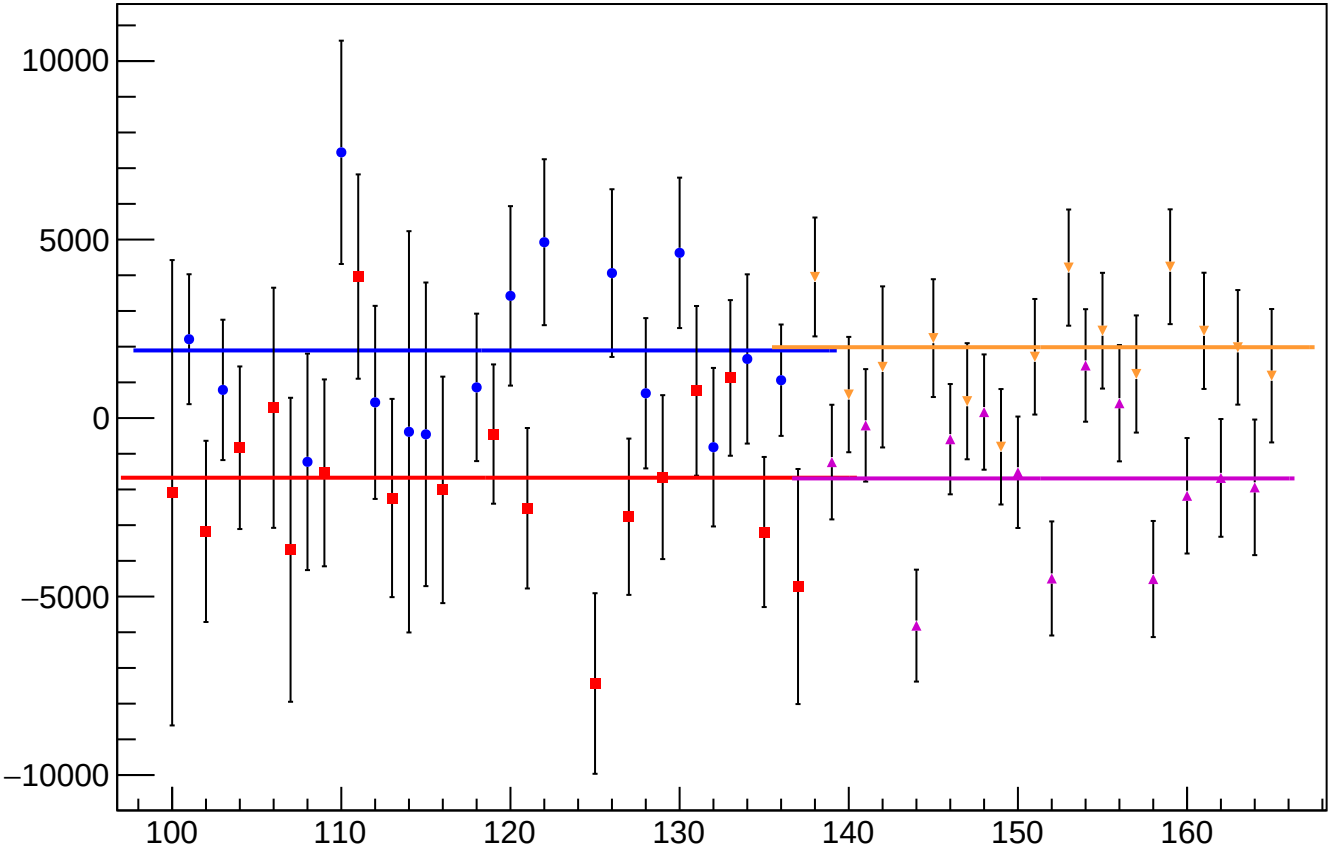
Left In: 1035.790+/-0.228 χ^2/NDF:1055542.2/12

+ sign 807.809+/-0.146 χ^2/NDF: 5456385.9/29

All: 459.854+/-0.077 χ^2/NDF: 34934323.8/60

- sign 328.966+/-0.090 χ^2/NDF: 21704210.3/30

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1984.869+/-446.438 χ^2/NDF:10.4/13

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

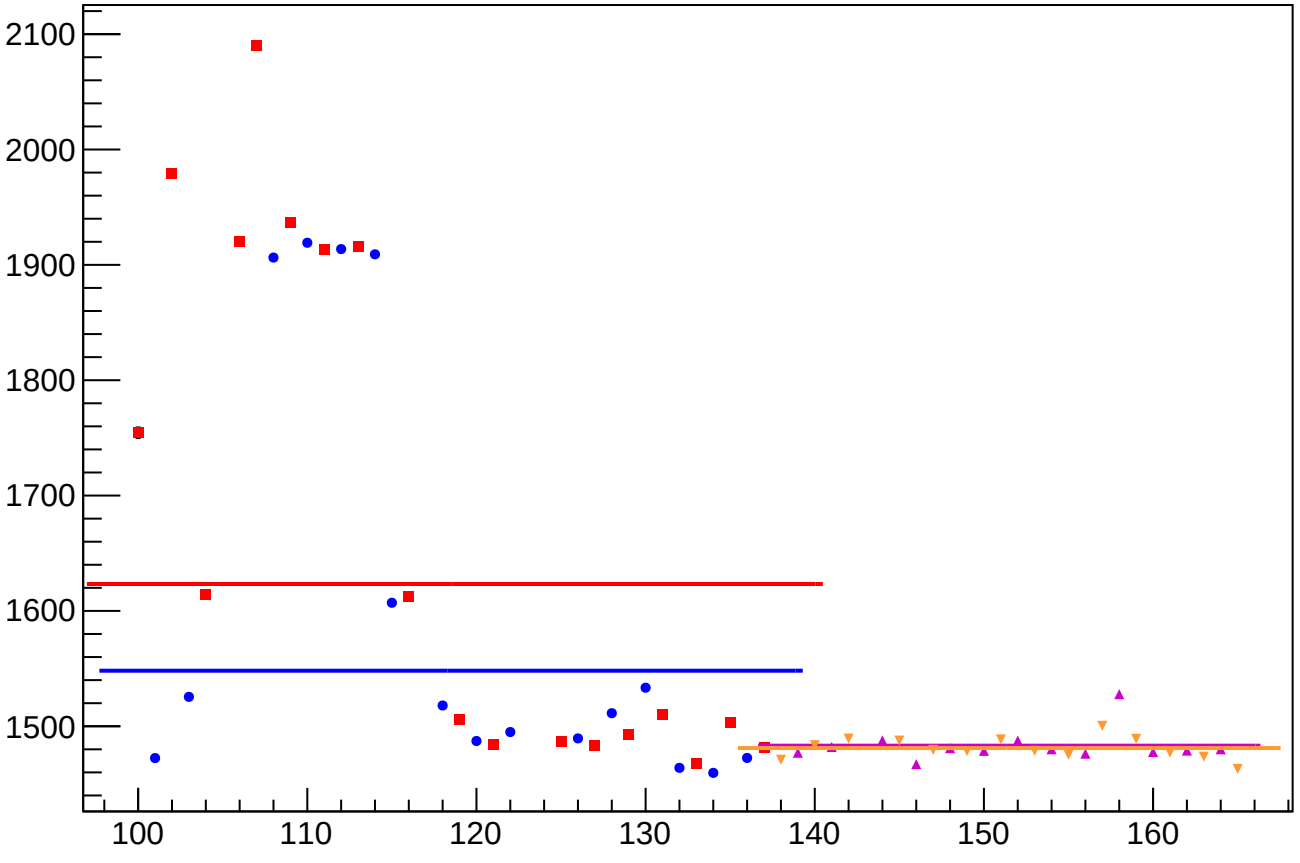
Left In: -1691.020+/-447.803 χ^2/NDF:21.6/12

+ sign 1950.952+/-353.234 χ^2/NDF: 22.7/29

All: 167.494+/-252.098 χ^2/NDF: 111.3/60

- sign -1683.908+/-359.900 χ^2/NDF: 36.7/30

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1481.113+/-0.316 χ^2/NDF:783.6/13

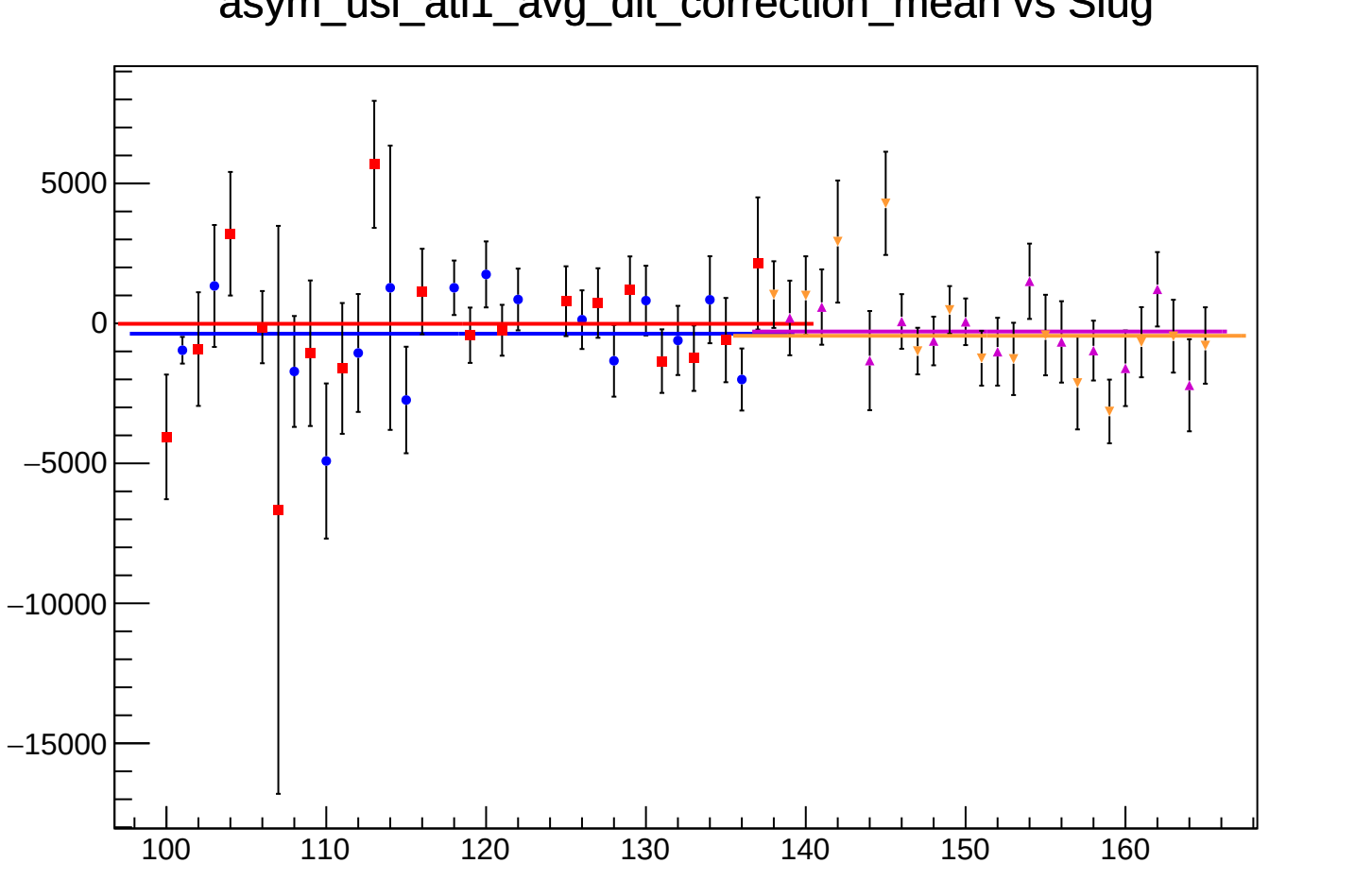
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1483.169+/-0.317 χ^2/NDF:1889.7/12

+ sign 1506.191+/-0.250 χ^2/NDF: 137564.9/29

All: 1519.245+/-0.178 χ^2/NDF: 425929.5/60

- sign 1532.795+/-0.254 χ^2/NDF: 282798.1/30



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -442.230+/-323.298 χ^2/NDF:21.0/13

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

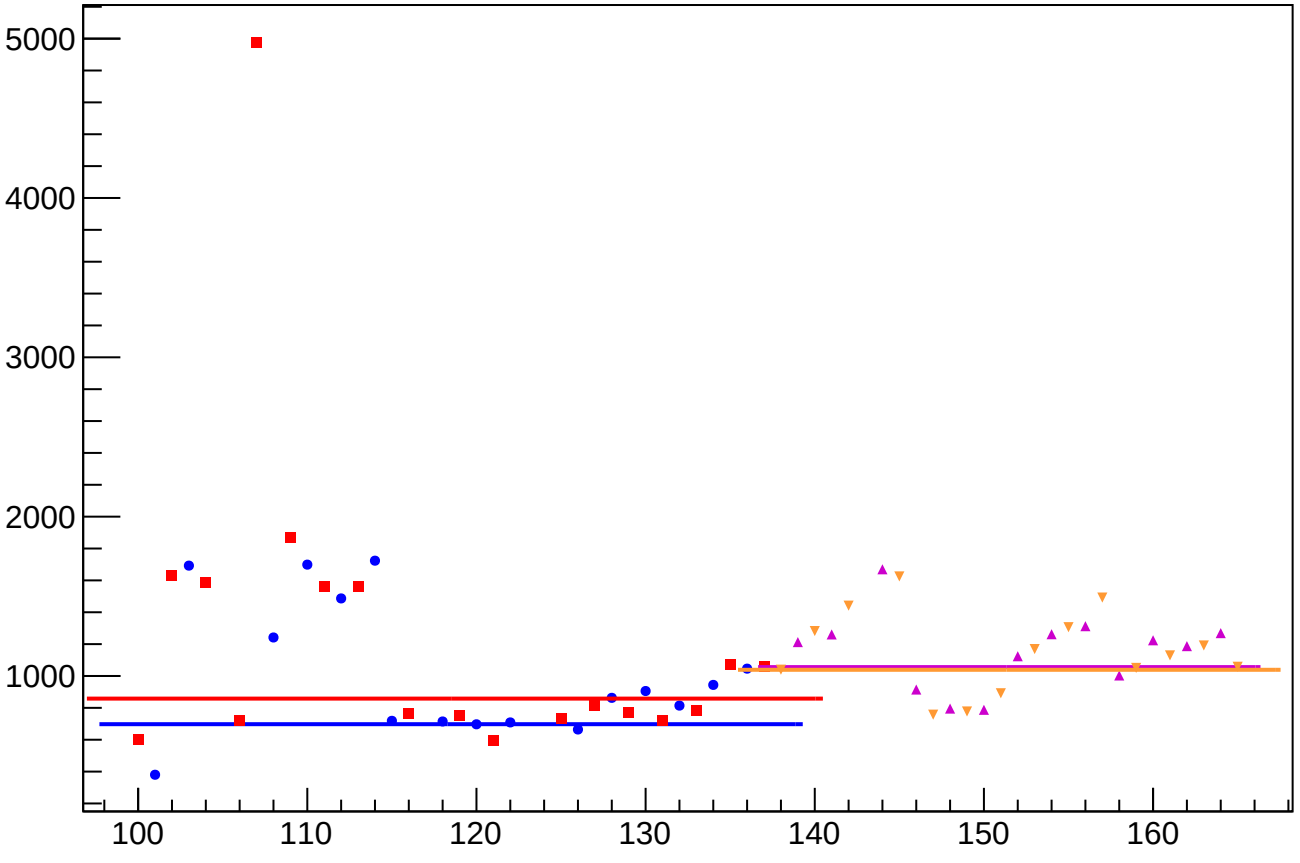
Left In: -288.962+/-327.604 χ^2/NDF:7.6/12

+ sign -401.058+/-214.453 χ^2/NDF: 39.9/29

All: -290.938+/-158.845 χ^2/NDF: 67.5/60

- sign -157.087+/-236.434 χ^2/NDF: 27.0/30

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1038.854+/-0.229 χ^2/NDF:1070502.1/13

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

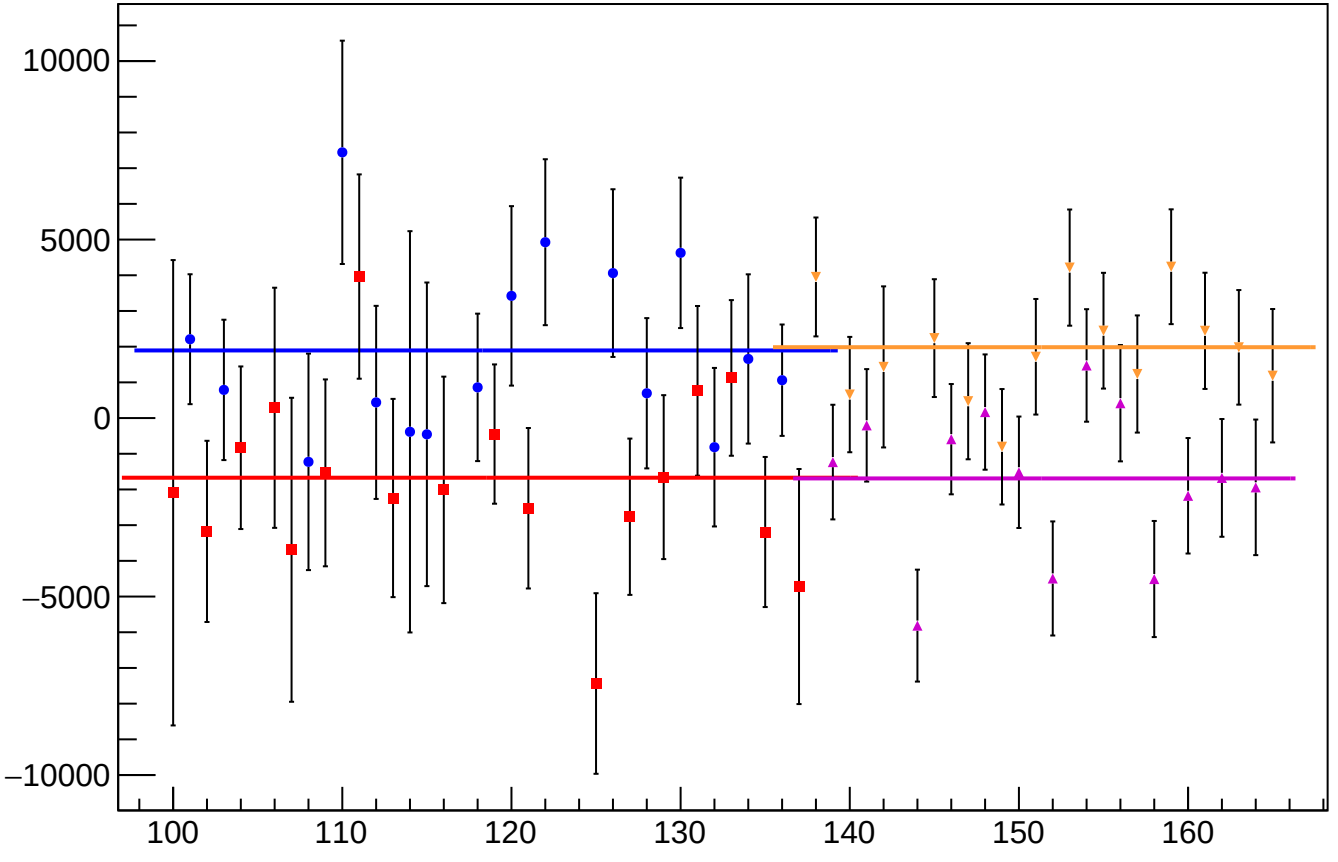
Left In: 1055.789+/-0.232 χ^2/NDF:947610.8/12

+ sign 847.707+/-0.152 χ^2/NDF: 4754562.9/29

All: 898.873+/-0.112 χ^2/NDF: 8185537.6/60

- sign 961.066+/-0.167 χ^2/NDF: 3178738.9/30

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1984.867+/-446.438 χ^2/NDF:10.4/13

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

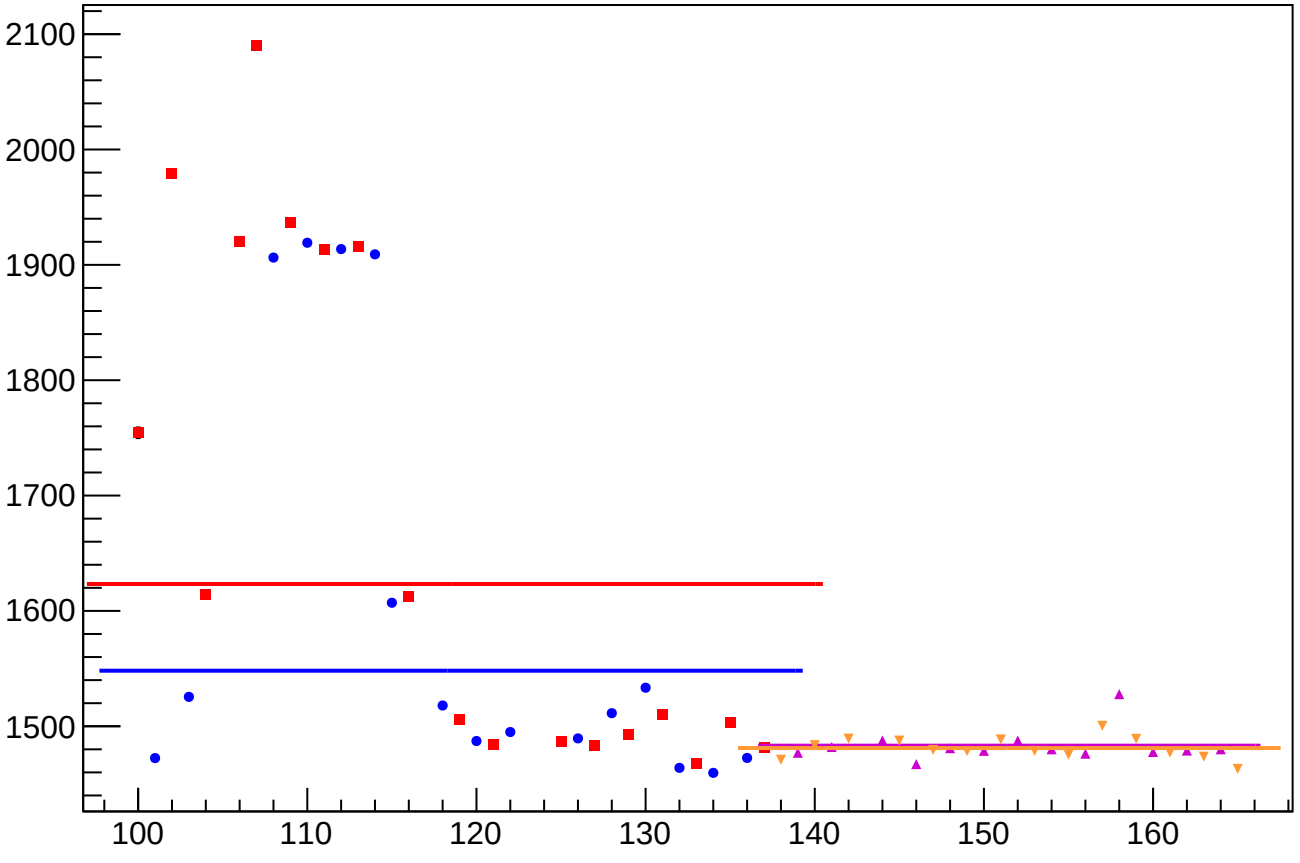
Left In: -1691.021+/-447.803 χ^2/NDF:21.6/12

+ sign 1950.949+/-353.234 χ^2/NDF: 22.7/29

All: 167.493+/-252.098 χ^2/NDF: 111.3/60

- sign -1683.908+/-359.900 χ^2/NDF: 36.7/30

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1481.113+/-0.316 χ^2/NDF:783.6/13

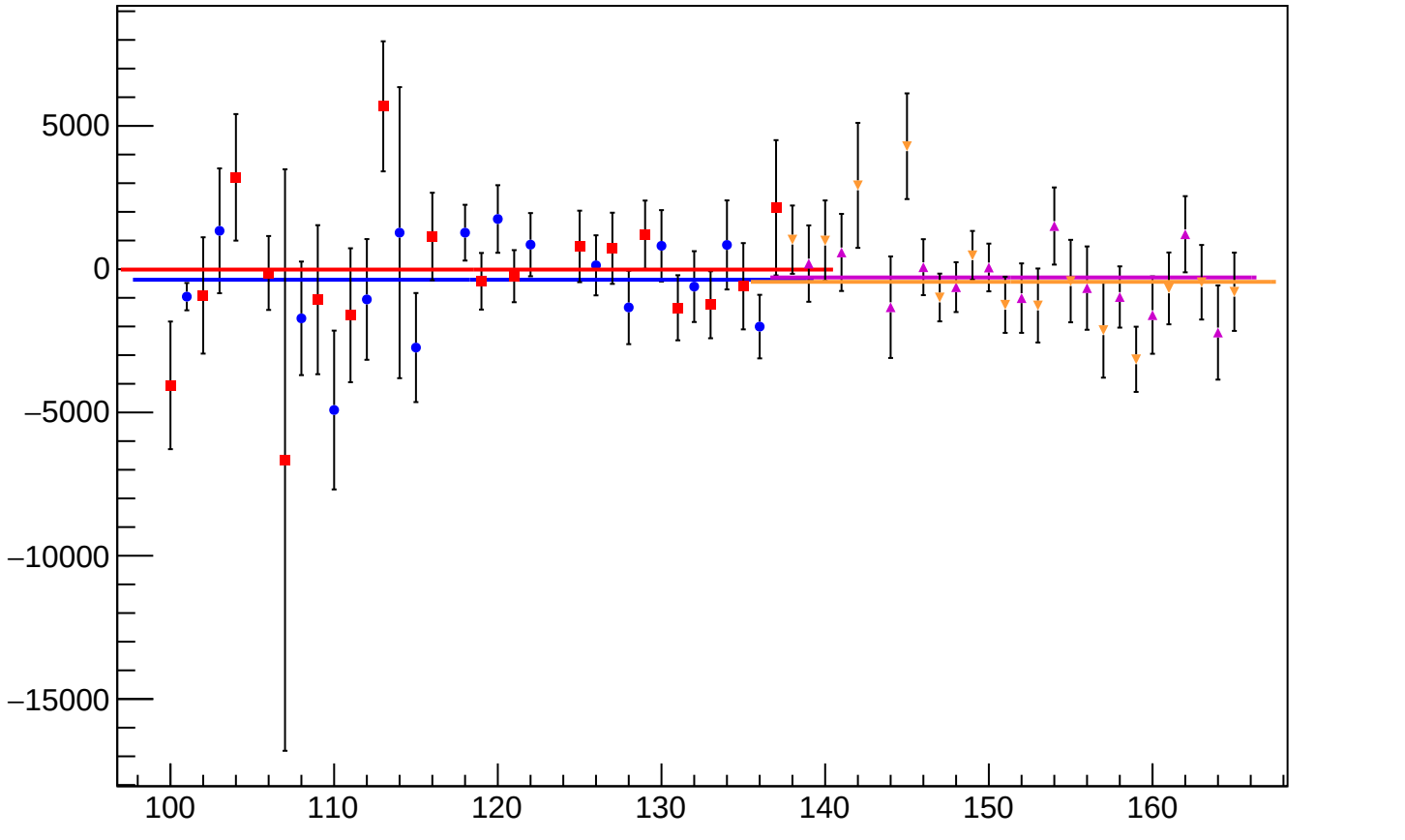
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1483.169+/-0.317 χ^2/NDF:1889.7/12

+ sign 1506.191+/-0.250 χ^2/NDF: 137564.8/29

All: 1519.244+/-0.178 χ^2/NDF: 425929.0/60

- sign 1532.795+/-0.254 χ^2/NDF: 282797.7/30



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -442.233+/-323.299 χ^2/NDF:21.0/13

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

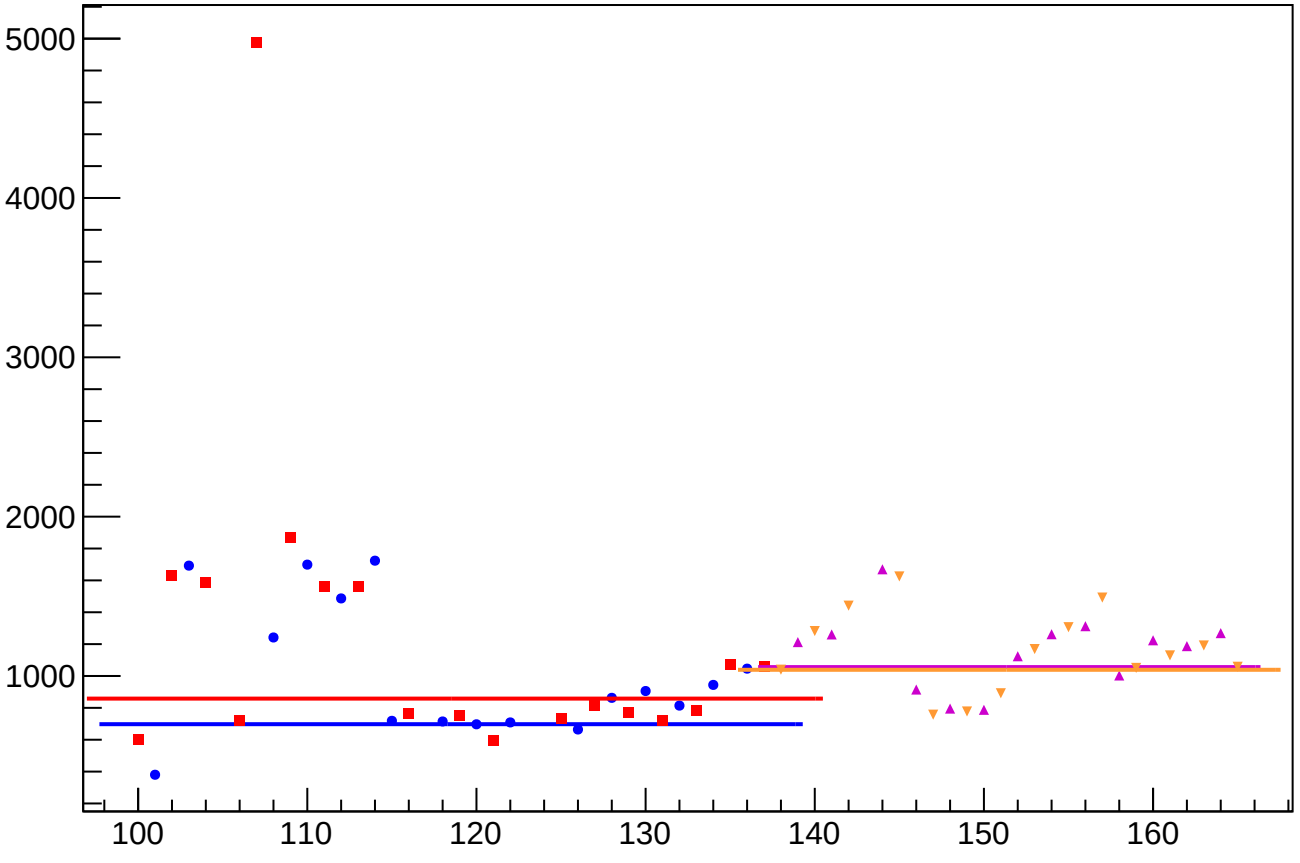
Left In: -288.962+/-327.605 χ^2/NDF:7.6/12

\+ sign -401.059+/-214.453 χ^2/NDF: 39.9/29

All: -290.938+/-158.845 χ^2/NDF: 67.5/60

\- sign -157.087+/-236.434 χ^2/NDF: 27.0/30

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1038.856+/-0.229 χ^2/NDF:1070499.7/13

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

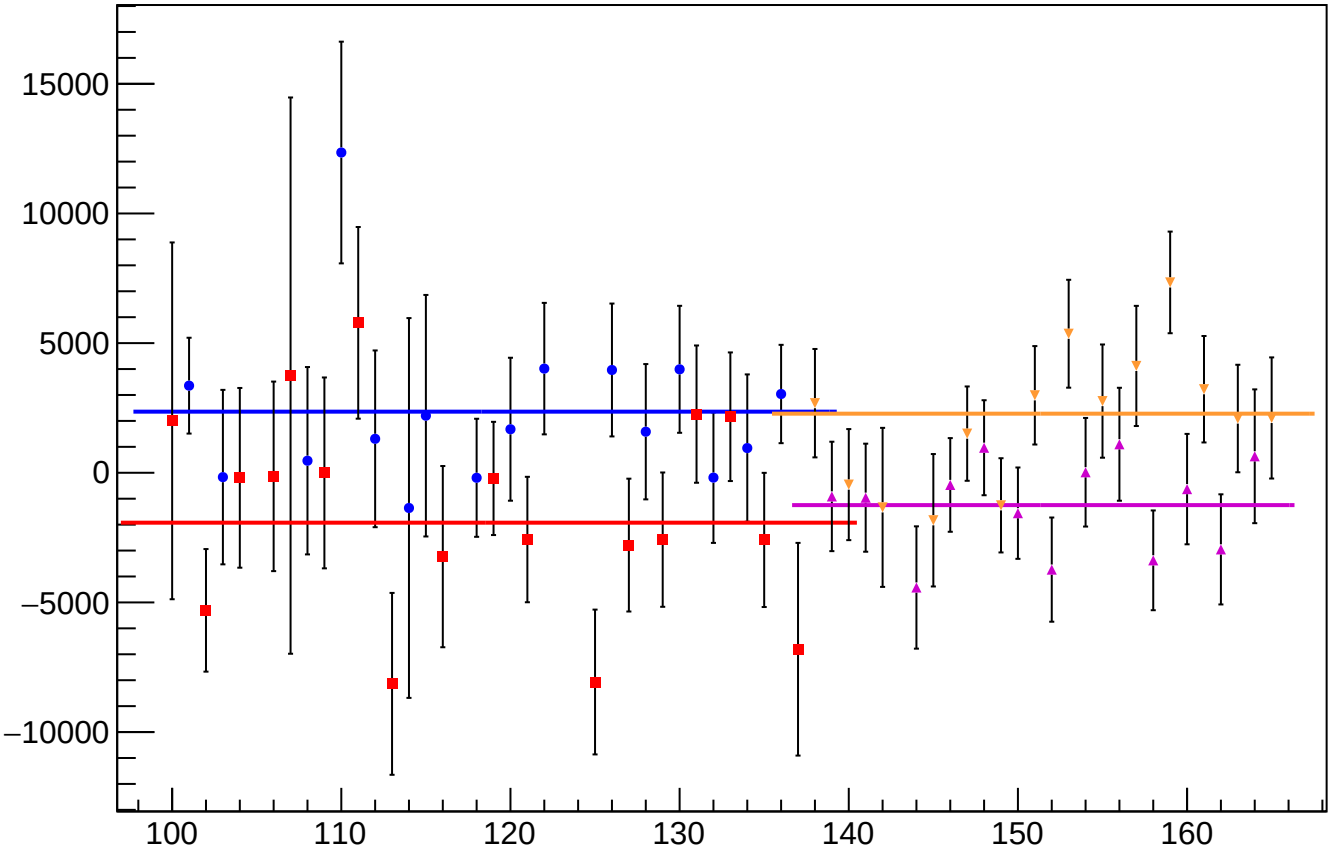
Left In: 1055.791+/-0.232 χ^2/NDF:947607.5/12

+ sign 847.707+/-0.152 χ^2/NDF: 4754564.2/29

All: 898.874+/-0.112 χ^2/NDF: 8185554.2/60

- sign 961.066+/-0.167 χ^2/NDF: 3178757.3/30

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2279.052+/-565.231 χ^2/NDF:19.5/13

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

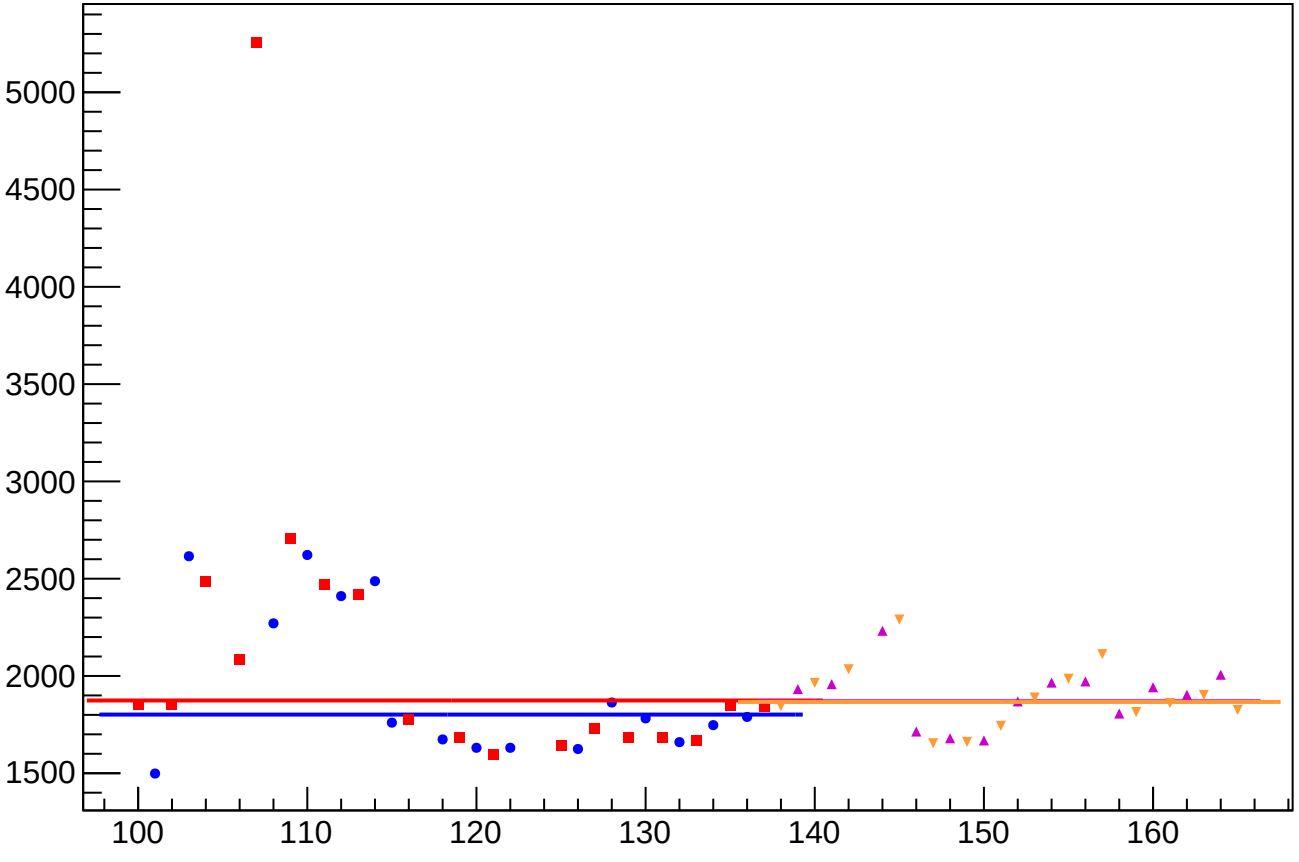
Left In: -1247.275+/-566.974 χ^2/NDF:9.1/12

+ sign 2310.960+/-434.397 χ^2/NDF: 30.5/29

All: 433.518+/-309.910 χ^2/NDF: 101.7/60

- sign -1512.555+/-442.266 χ^2/NDF: 33.1/30

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1866.636+/-0.400 χ^2/NDF:157807.9/13

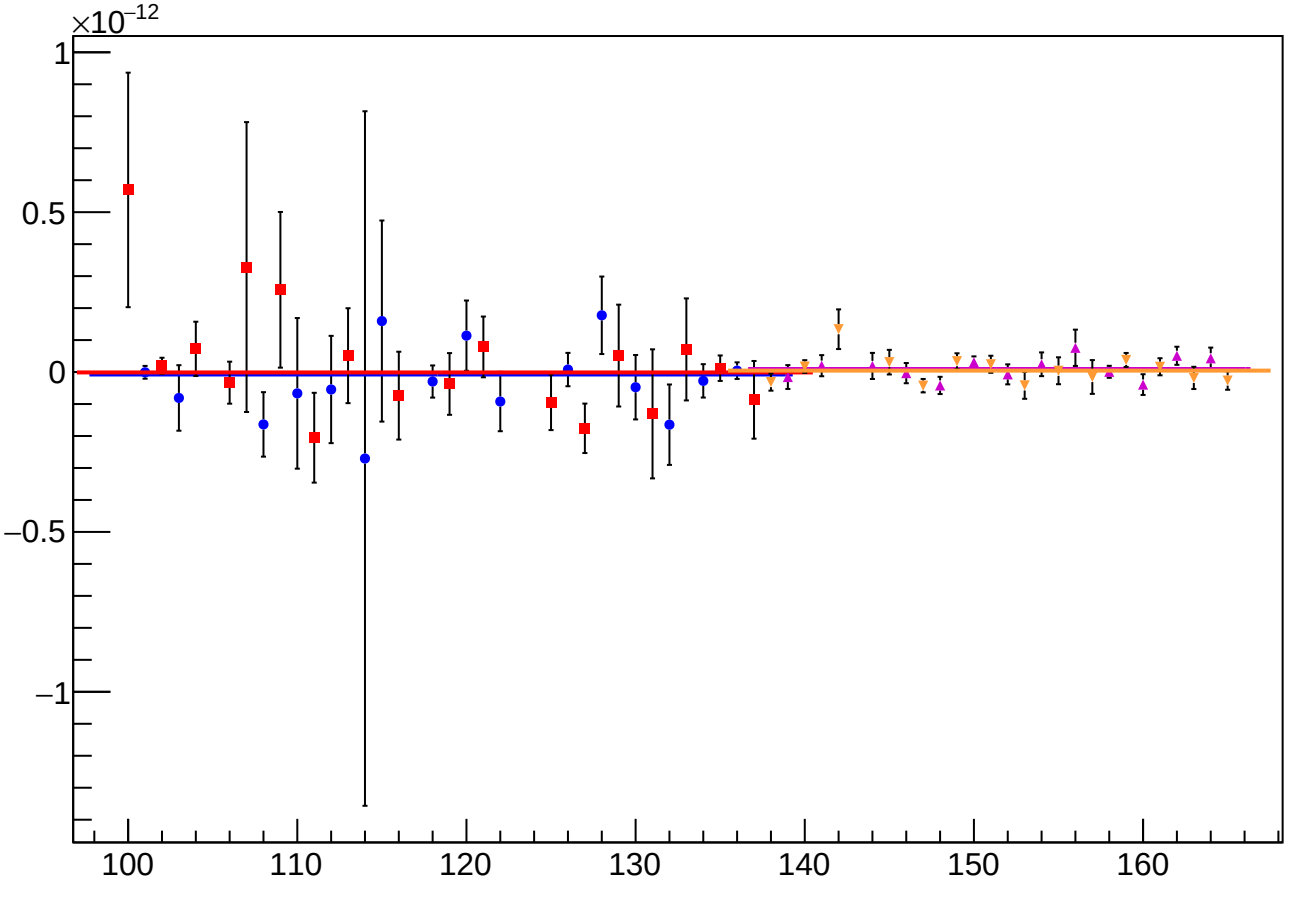
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1870.080+/-0.401 χ^2/NDF:134150.7/12

+ sign 1839.984+/-0.307 χ^2/NDF: 569373.4/29

All: 1855.511+/-0.219 χ^2/NDF: 1278674.1/60

- sign 1871.606+/-0.313 χ^2/NDF: 704096.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

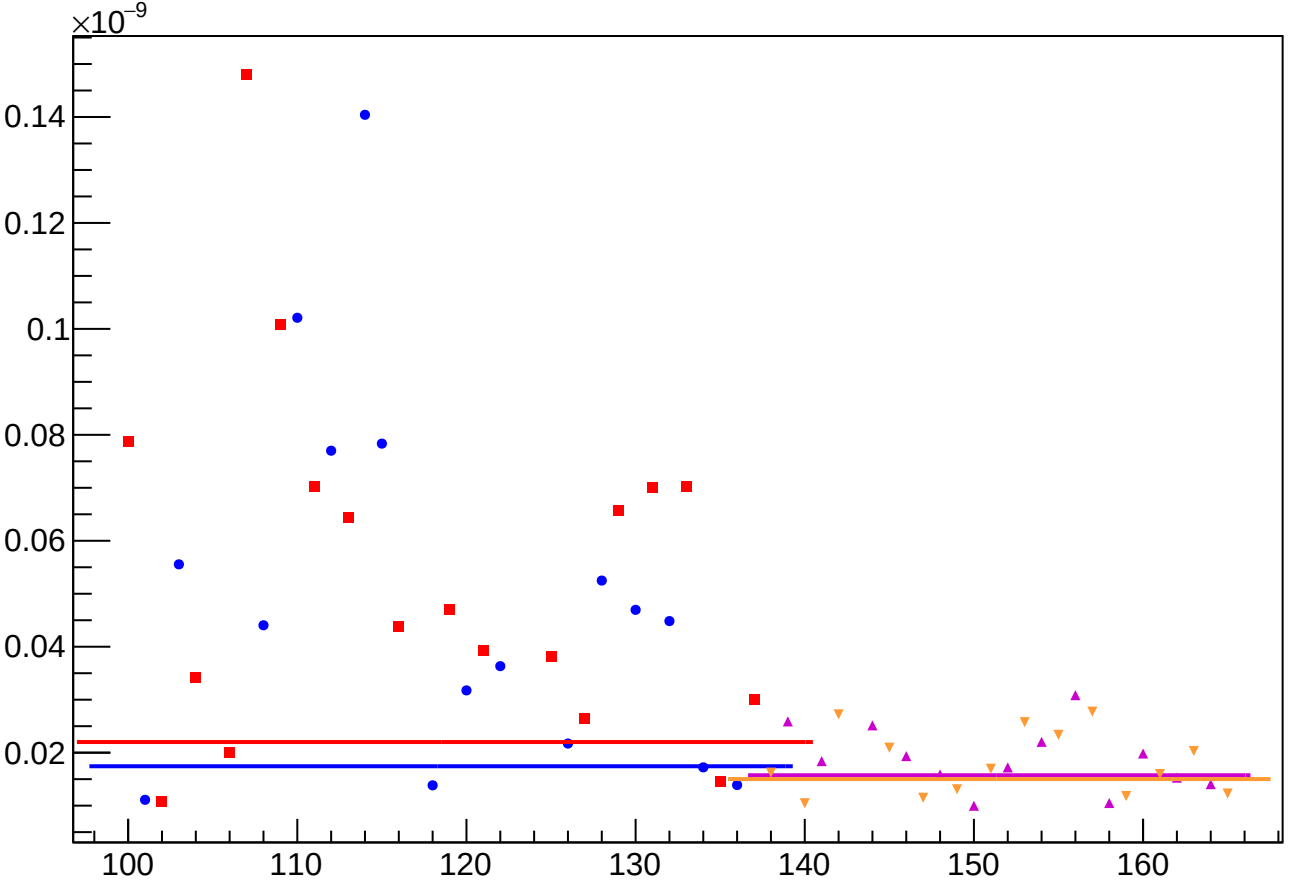
Left In: 0.000+/-0.000 χ^2/NDF:13.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 30.4/29

All: 0.000+/-0.000 χ^2/NDF: 60.9/60

- sign 0.000+/-0.000 χ^2/NDF: 30.1/30

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:748741.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

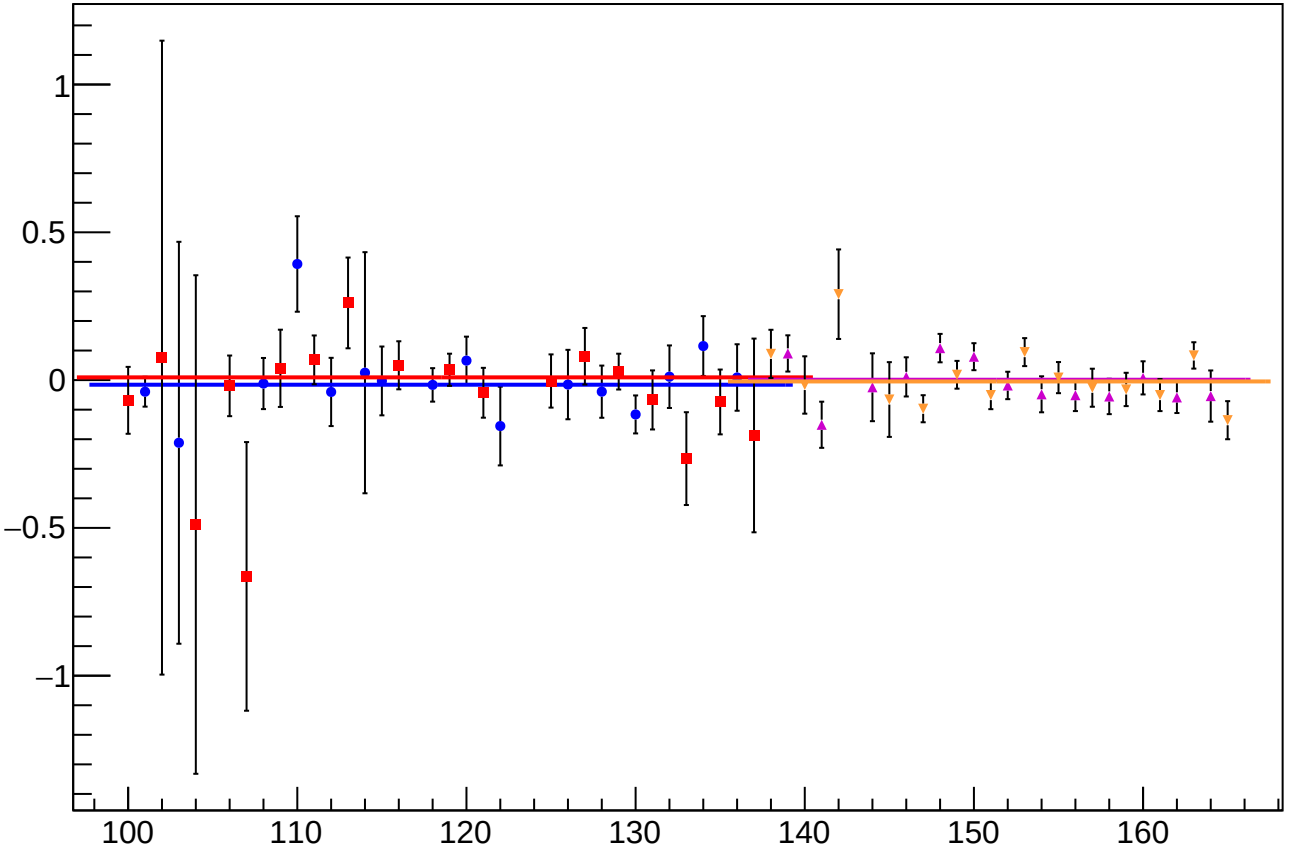
Left In: 0.000+/-0.000 χ^2/NDF:888190.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 2639670.2/29

All: 0.000+/-0.000 χ^2/NDF: 5877578.3/60

- sign 0.000+/-0.000 χ^2/NDF: 3206212.2/30

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: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

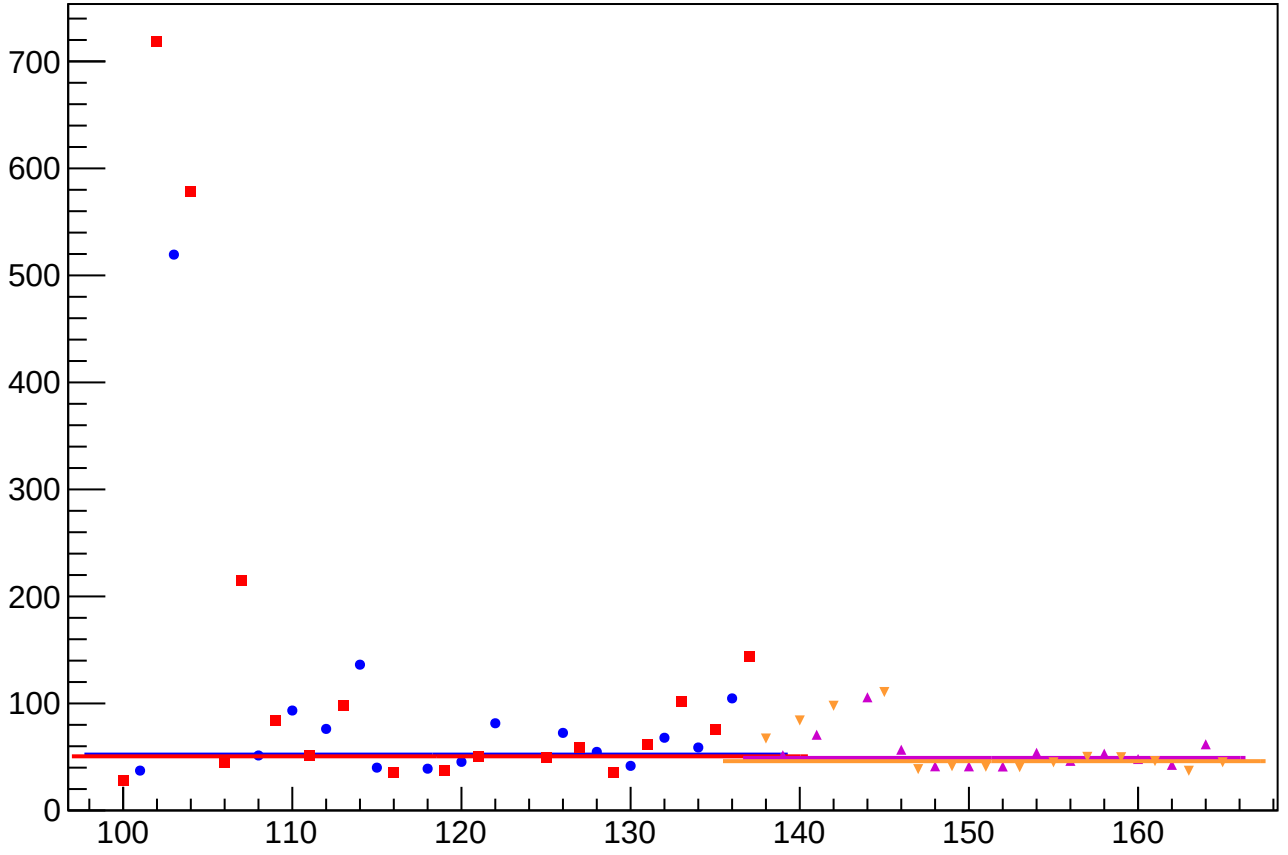
Left In: 0.001+/-0.016 χ^2/NDF:18.2/12

+ sign -0.008+/-0.013 χ^2/NDF: 37.5/29

All: -0.002+/-0.009 χ^2/NDF: 68.7/60

- sign 0.004+/-0.013 χ^2/NDF: 30.8/30

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422612.9/13

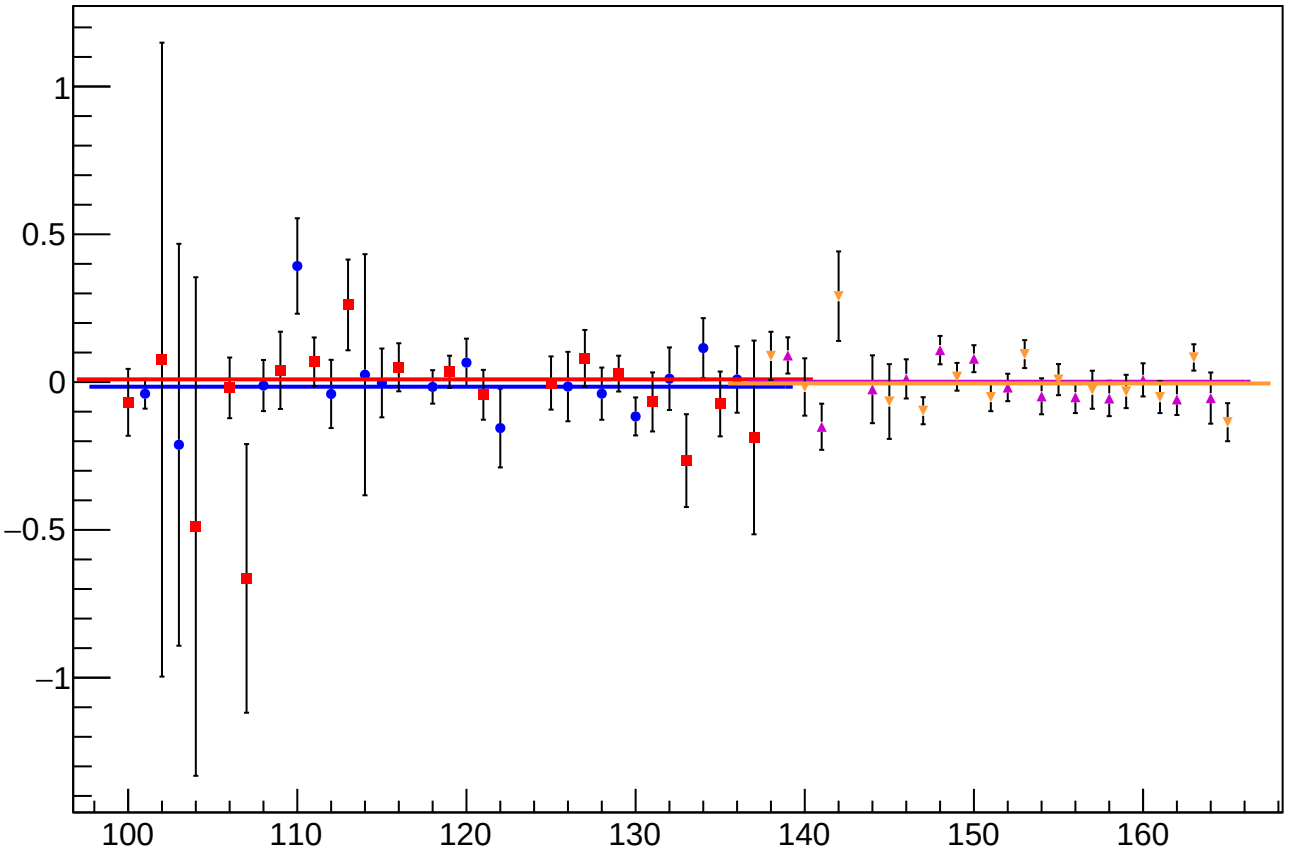
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.090+/-0.011 χ^2/NDF:943254.1/12

+ sign 48.011+/-0.009 χ^2/NDF: 3789471.3/29

All: 48.755+/-0.007 χ^2/NDF: 7803727.5/60

- sign 49.568+/-0.009 χ^2/NDF: 4000070.3/30



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

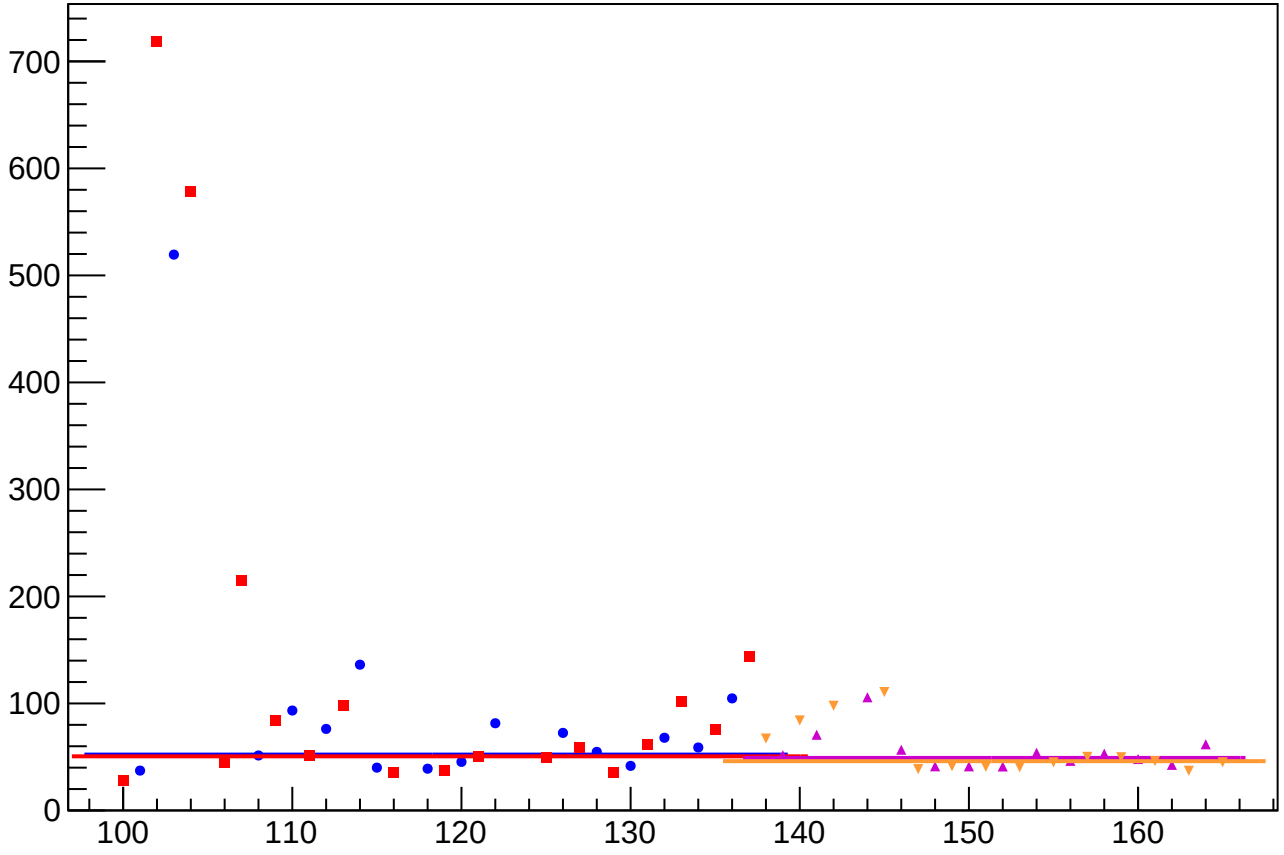
Left In: 0.001+/-0.016 χ^2/NDF:18.2/12

+ sign -0.008+/-0.013 χ^2/NDF: 37.5/29

All: -0.002+/-0.009 χ^2/NDF: 68.7/60

- sign 0.004+/-0.013 χ^2/NDF: 30.8/30

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: 46.061+/-0.011 χ^2/NDF:1422612.9/13

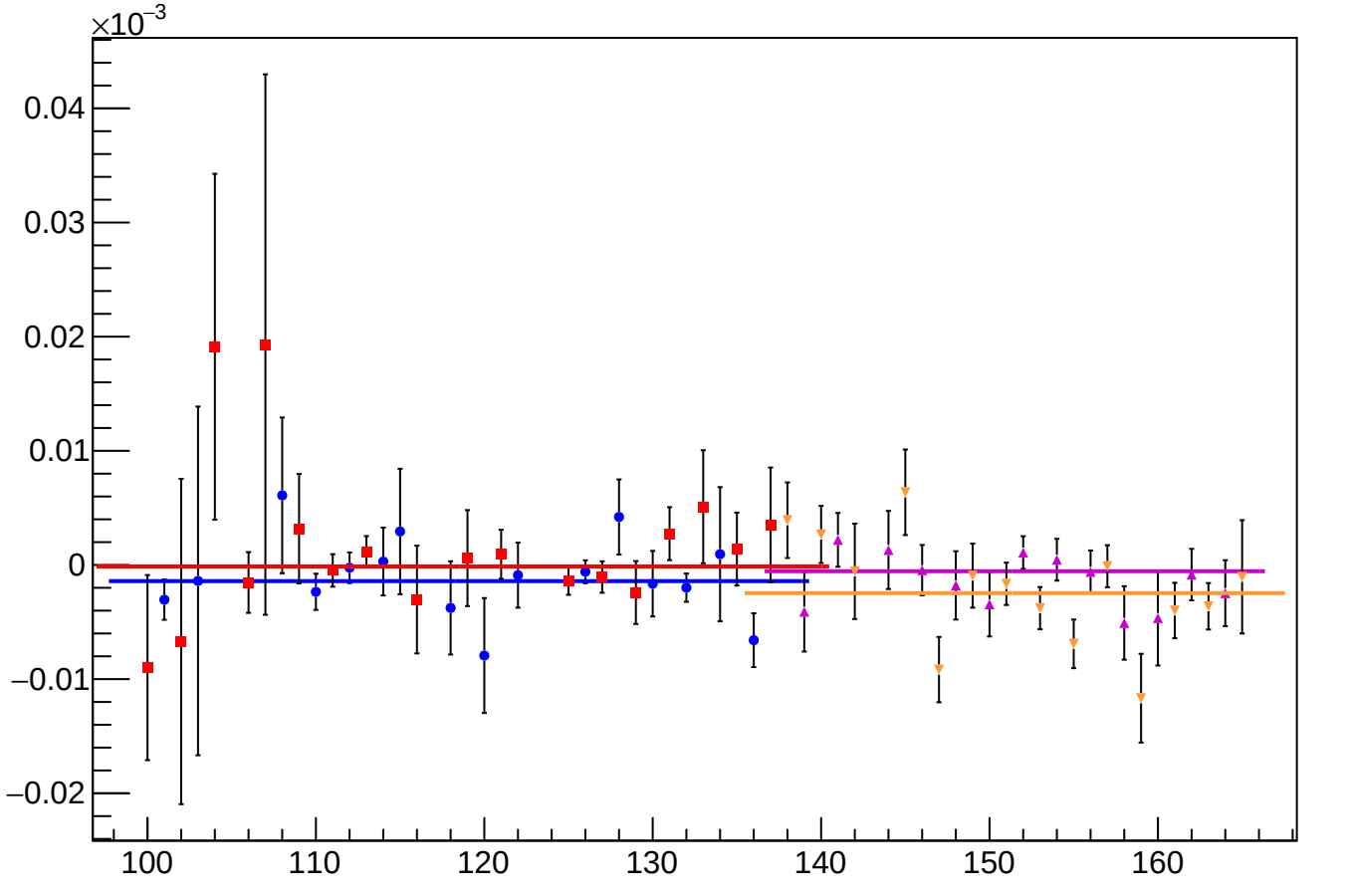
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.090+/-0.011 χ^2/NDF:943254.1/12

+ sign 48.011+/-0.009 χ^2/NDF: 3789471.3/29

All: 48.755+/-0.007 χ^2/NDF: 7803727.5/60

- sign 49.568+/-0.009 χ^2/NDF: 4000070.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.6/13

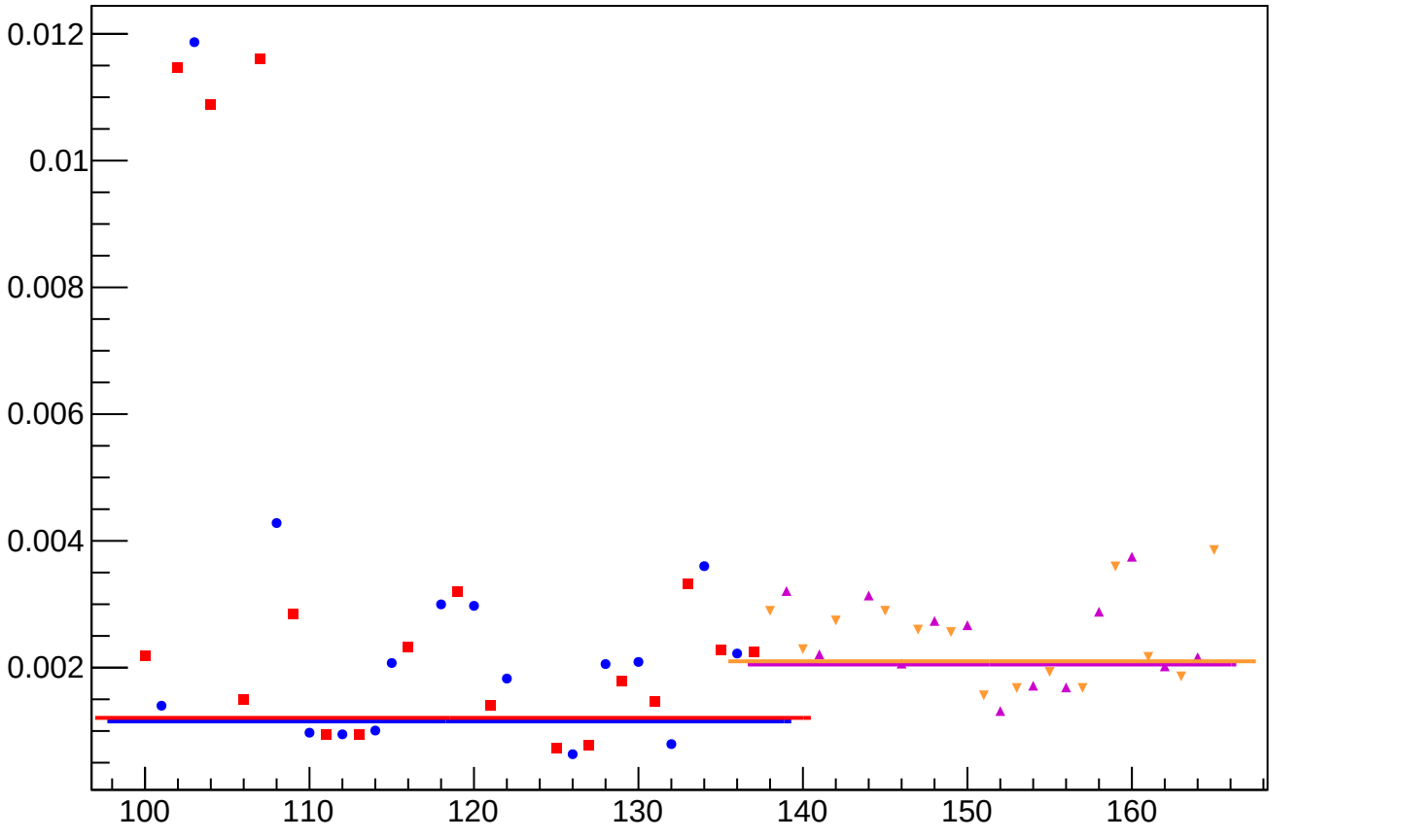
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

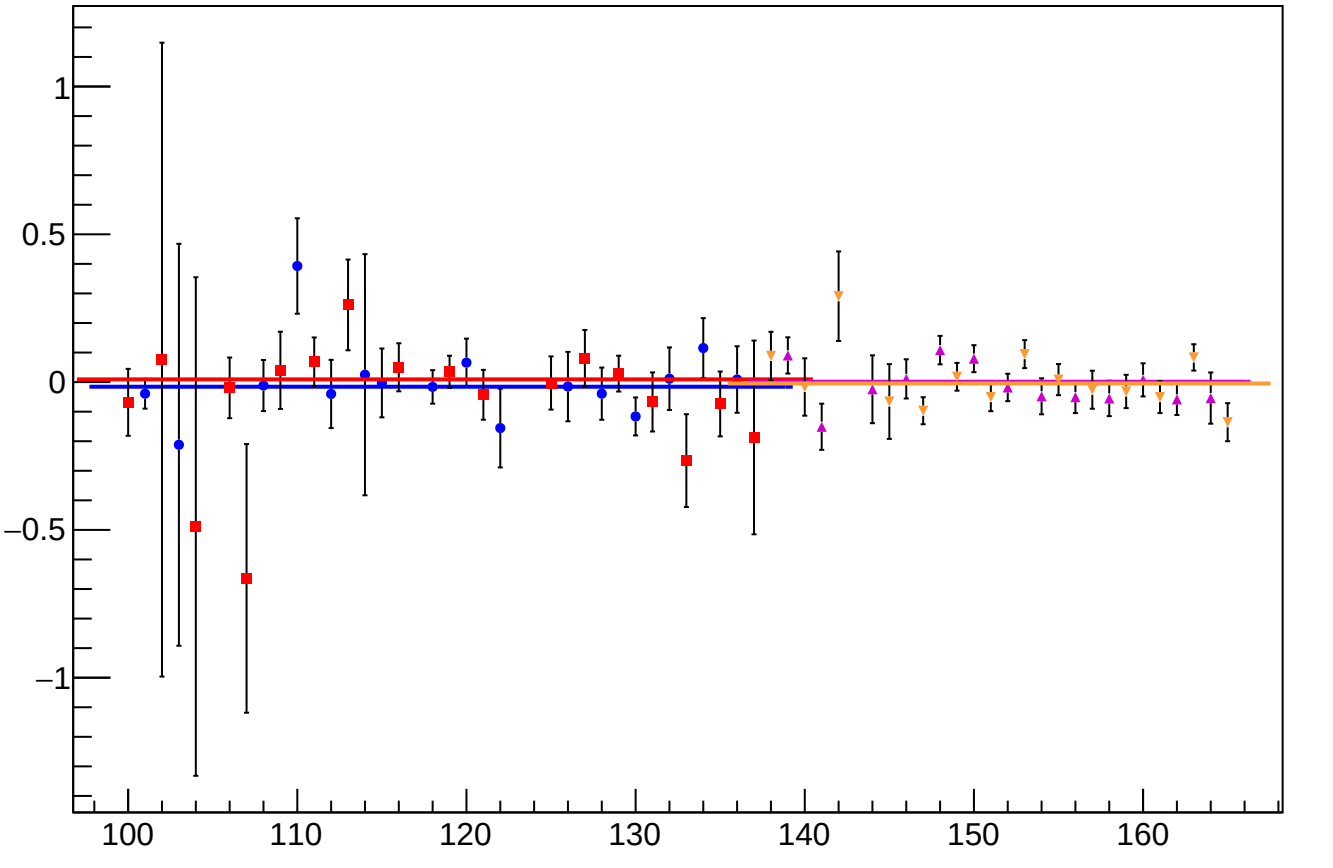
Left In: -0.000+/-0.000 χ^2/NDF:8.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/29

All: -0.000+/-0.000 χ^2/NDF: 76.4/60

- sign -0.000+/-0.000 χ^2/NDF: 20.8/30


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.002+/-0.000 χ²/NDF:1345407.5/13
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.002+/-0.000 χ²/NDF:1775261.0/12
+ sign 0.002+/-0.000 χ²/NDF: 8057939.6/29
All: 0.002+/-0.000 χ²/NDF: 16293077.7/60
- sign 0.002+/-0.000 χ²/NDF: 8218457.2/30



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

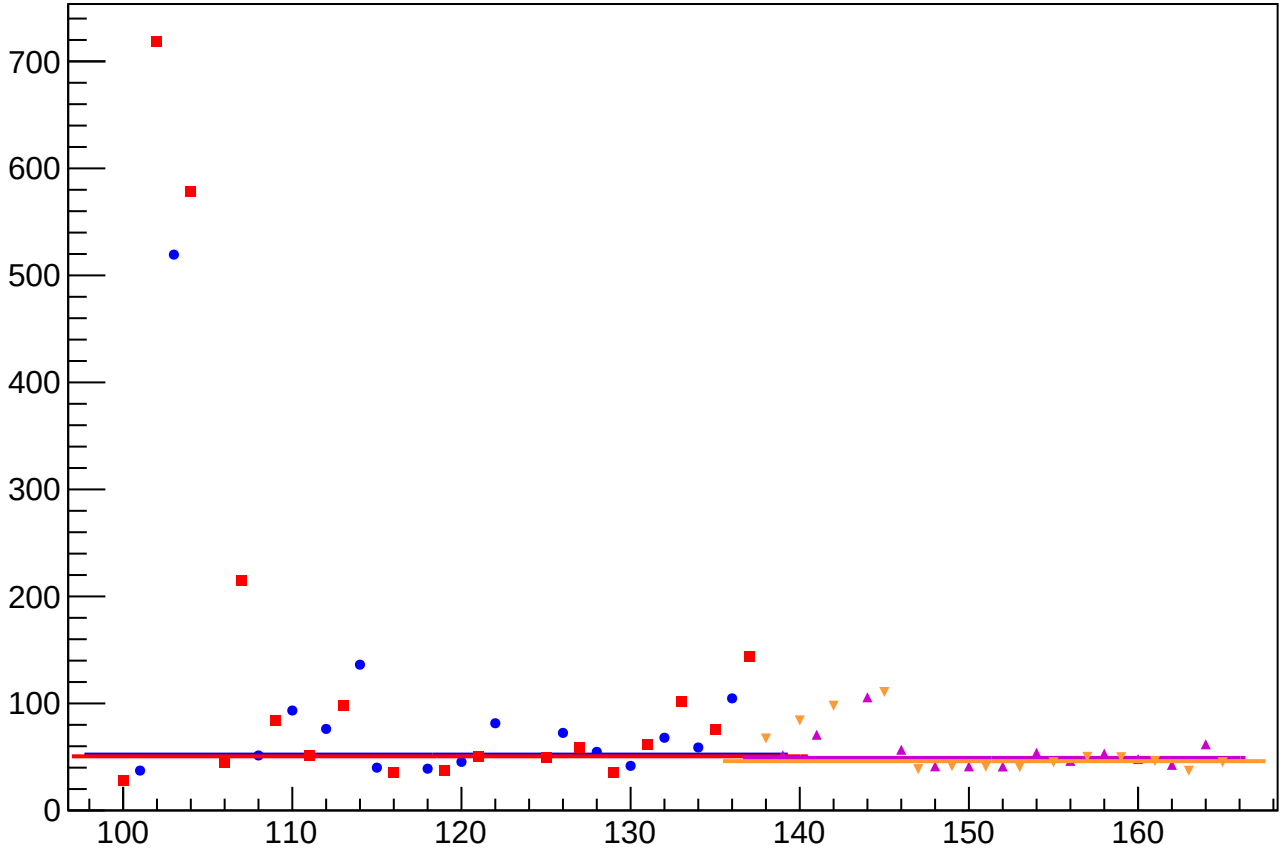
Left In: 0.001+/-0.016 χ^2/NDF:18.2/12

+ sign -0.008+/-0.013 χ^2/NDF: 37.5/29

All: -0.002+/-0.009 χ^2/NDF: 68.7/60

- sign 0.004+/-0.013 χ^2/NDF: 30.8/30

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422604.6/13

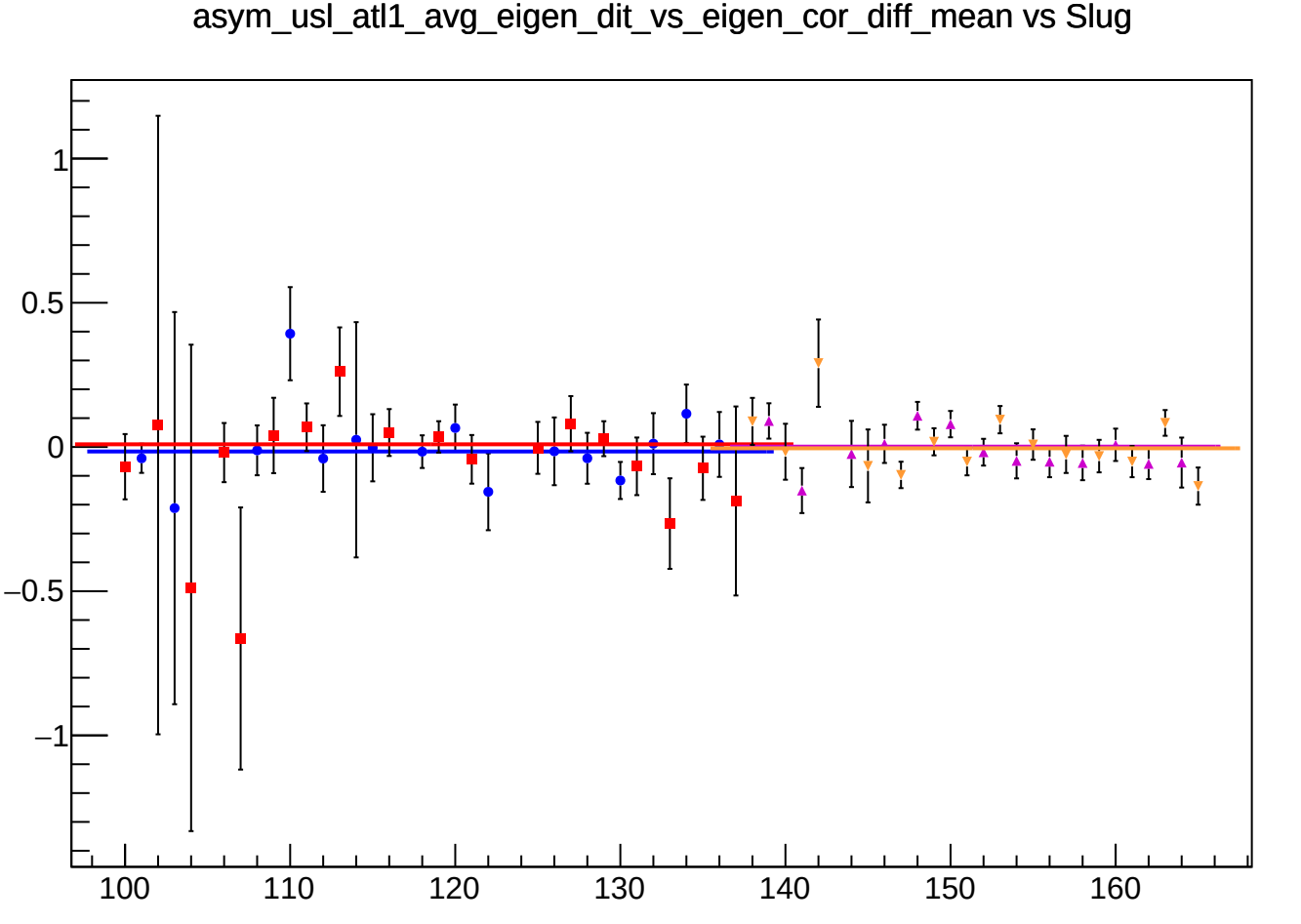
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.090+/-0.011 χ^2/NDF:943258.6/12

+ sign 48.011+/-0.009 χ^2/NDF: 3789446.6/29

All: 48.755+/-0.007 χ^2/NDF: 7803687.1/60

- sign 49.568+/-0.009 χ^2/NDF: 4000057.4/30



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.005+/-0.015 χ^2/NDF:24.1/13

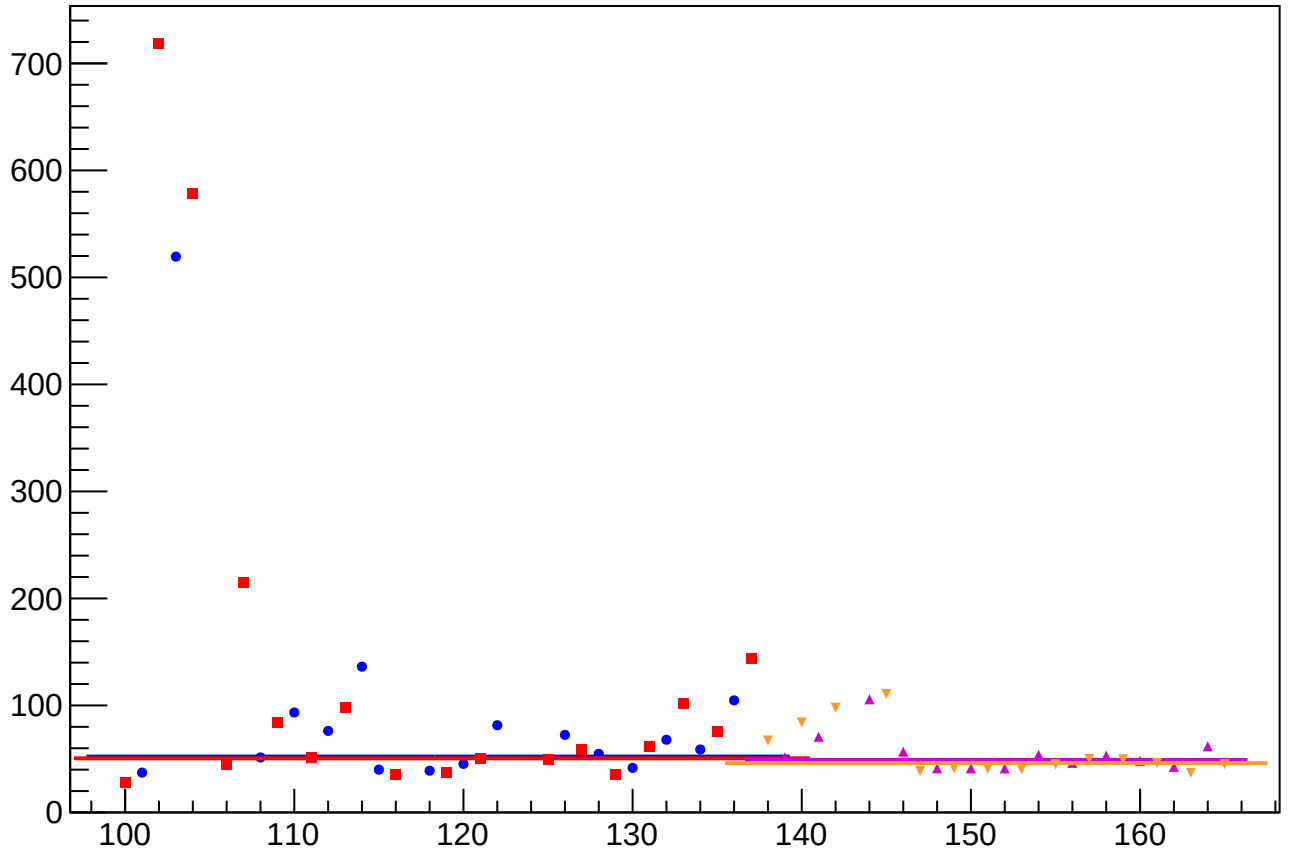
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.001+/-0.016 χ^2/NDF:18.2/12

+ sign -0.008+/-0.013 χ^2/NDF: 37.5/29

All: -0.002+/-0.009 χ^2/NDF: 68.7/60

- sign 0.004+/-0.013 χ^2/NDF: 30.8/30



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.061+/-0.011 χ^2/NDF:1422604.6/13

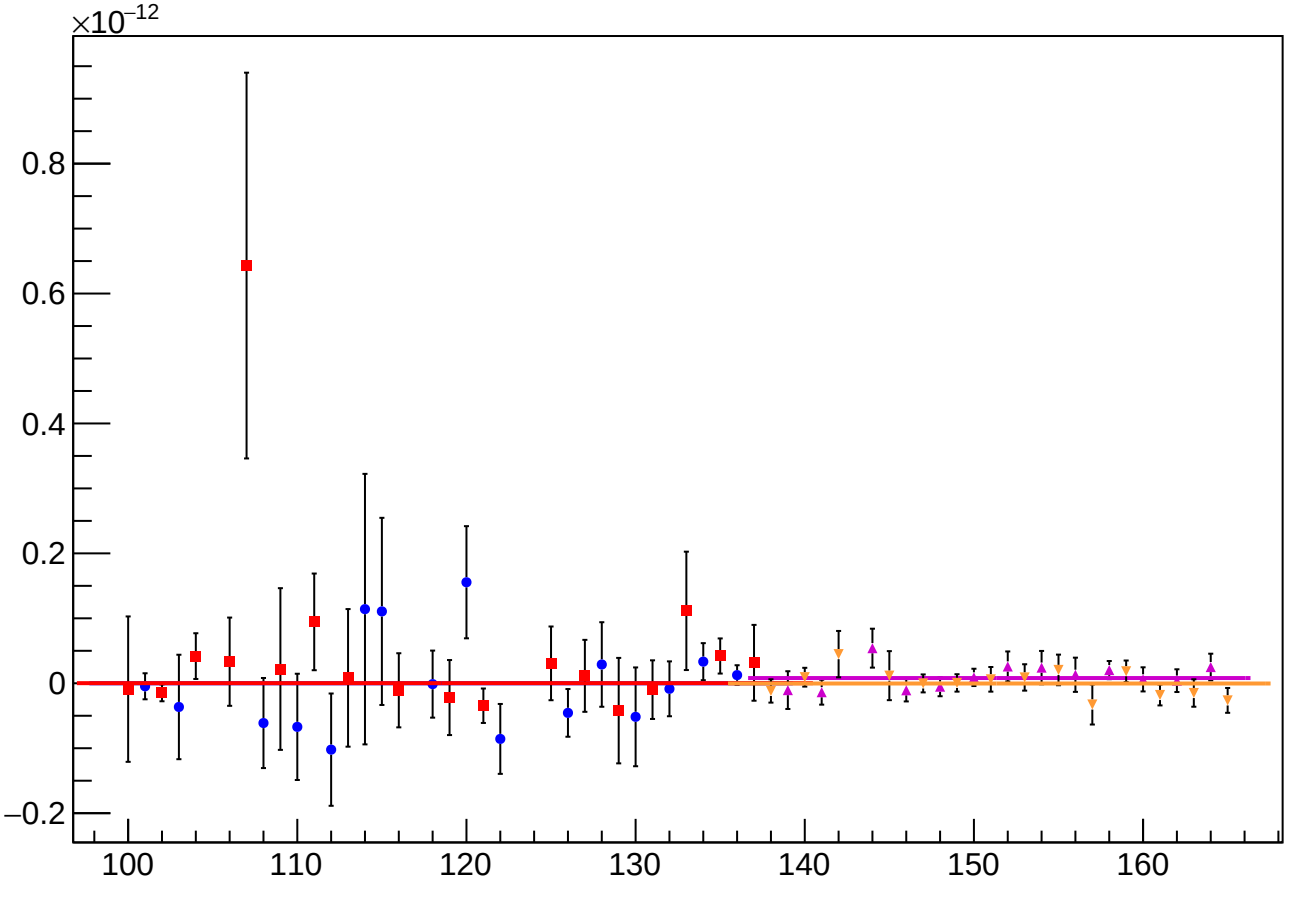
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.090+/-0.011 χ^2/NDF:943258.6/12

+ sign 48.011+/-0.009 χ^2/NDF: 3789446.6/29

All: 48.755+/-0.007 χ^2/NDF: 7803687.1/60

- sign 49.568+/-0.009 χ^2/NDF: 4000057.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/13

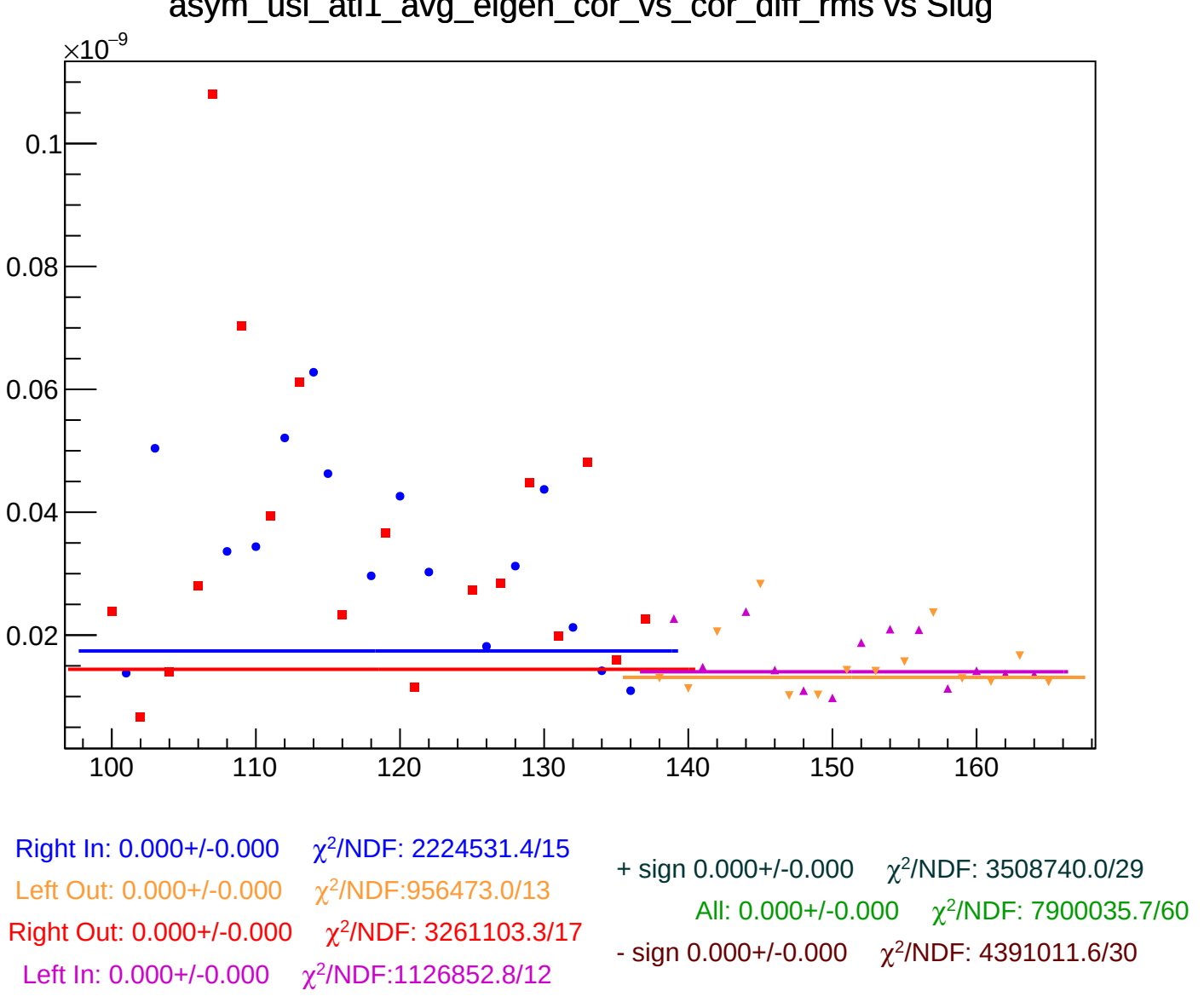
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:8.6/12

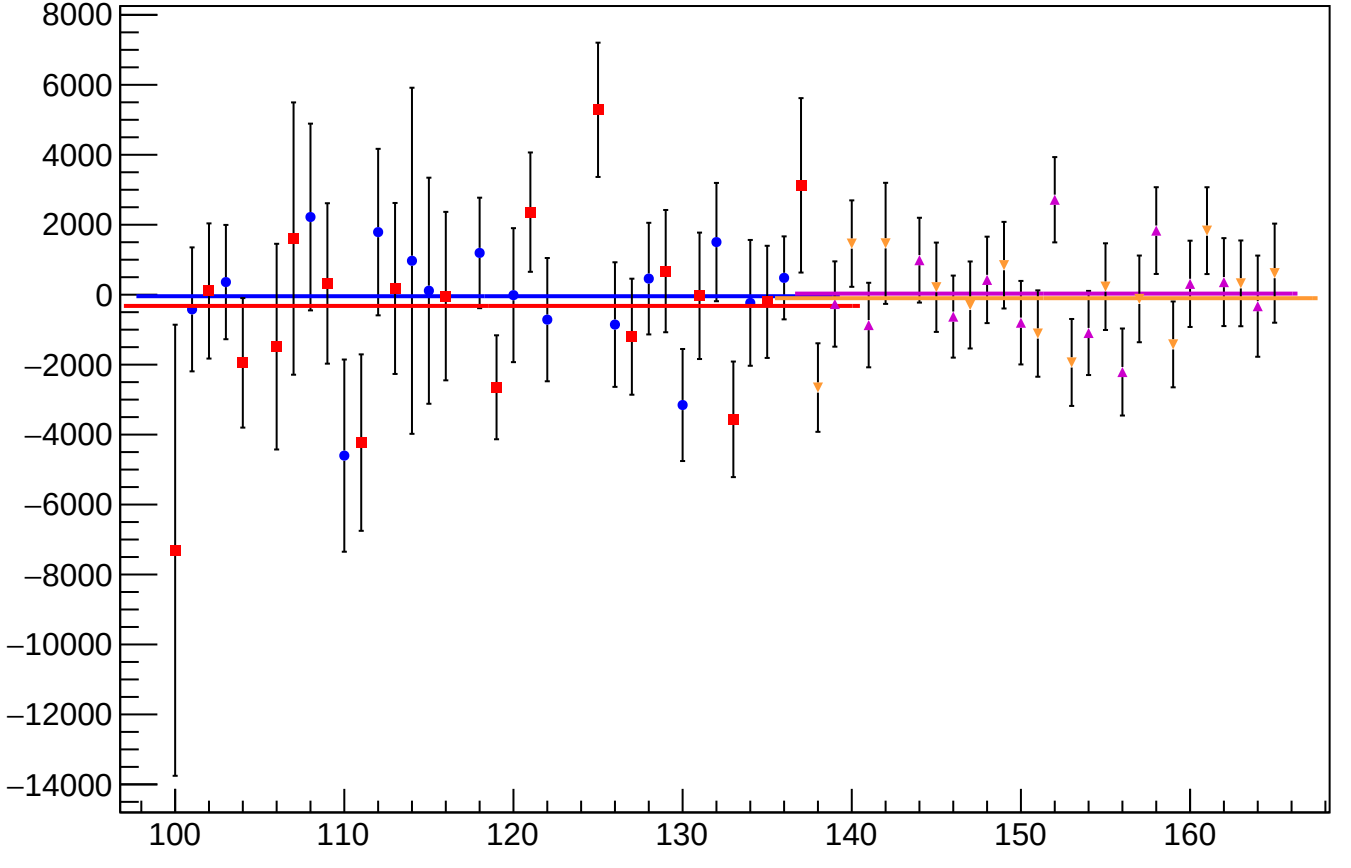
+ sign -0.000+/-0.000 χ^2/NDF: 23.7/29

All: 0.000+/-0.000 χ^2/NDF: 49.9/60

- sign 0.000+/-0.000 χ^2/NDF: 25.2/30


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:956473.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:1126852.8/12
+ sign 0.000+/-0.000 χ²/NDF: 3508740.0/29
All: 0.000+/-0.000 χ²/NDF: 7900035.7/60
- sign 0.000+/-0.000 χ²/NDF: 4391011.6/30

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -100.256+/-340.864 χ^2/NDF:14.0/13

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

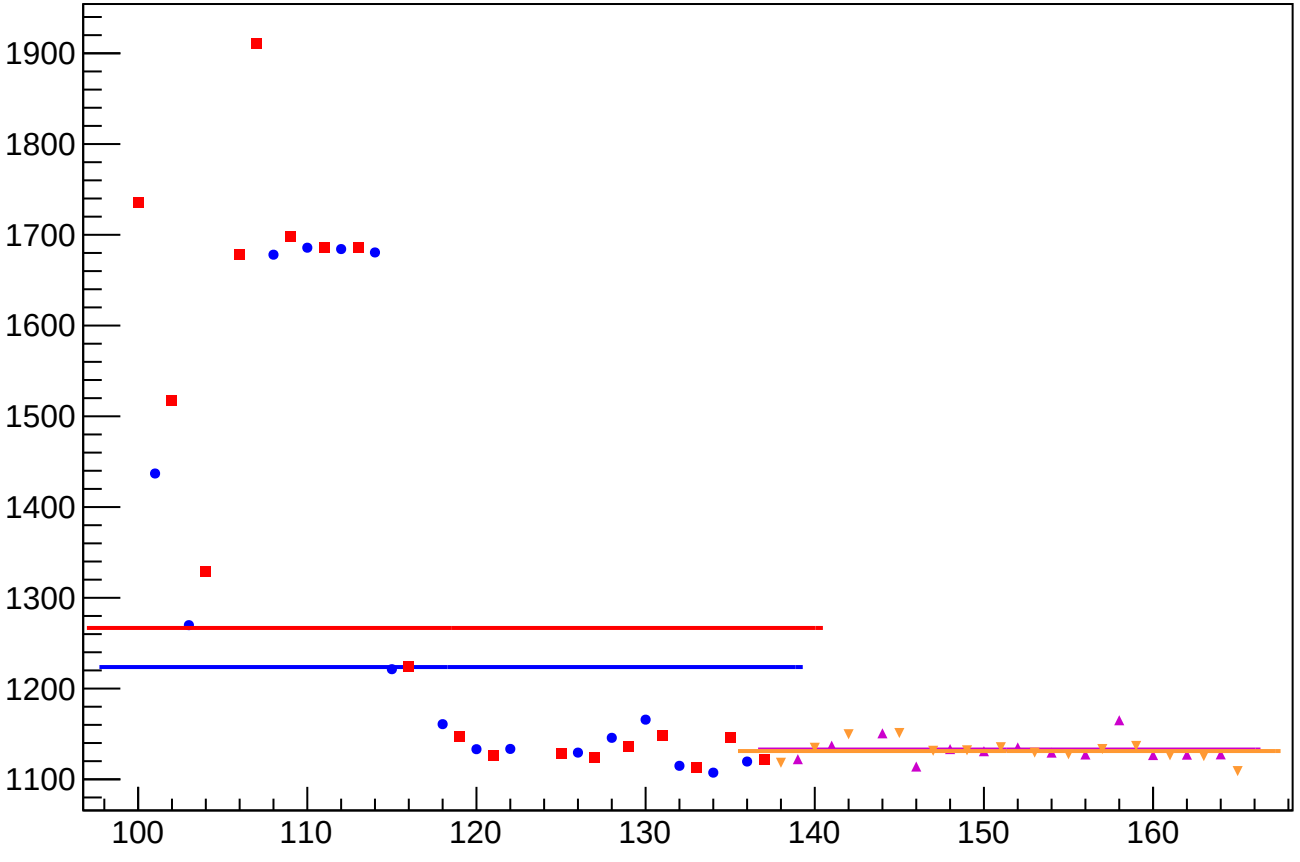
Left In: 30.922+/-342.025 χ^2/NDF:13.4/12

+ sign -80.158+/-273.704 χ^2/NDF: 24.1/29

All: -84.690+/-194.882 χ^2/NDF: 62.7/60

- sign -89.351+/-277.546 χ^2/NDF: 38.5/30

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.148+/-0.241 χ^2/NDF:1588.4/13

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

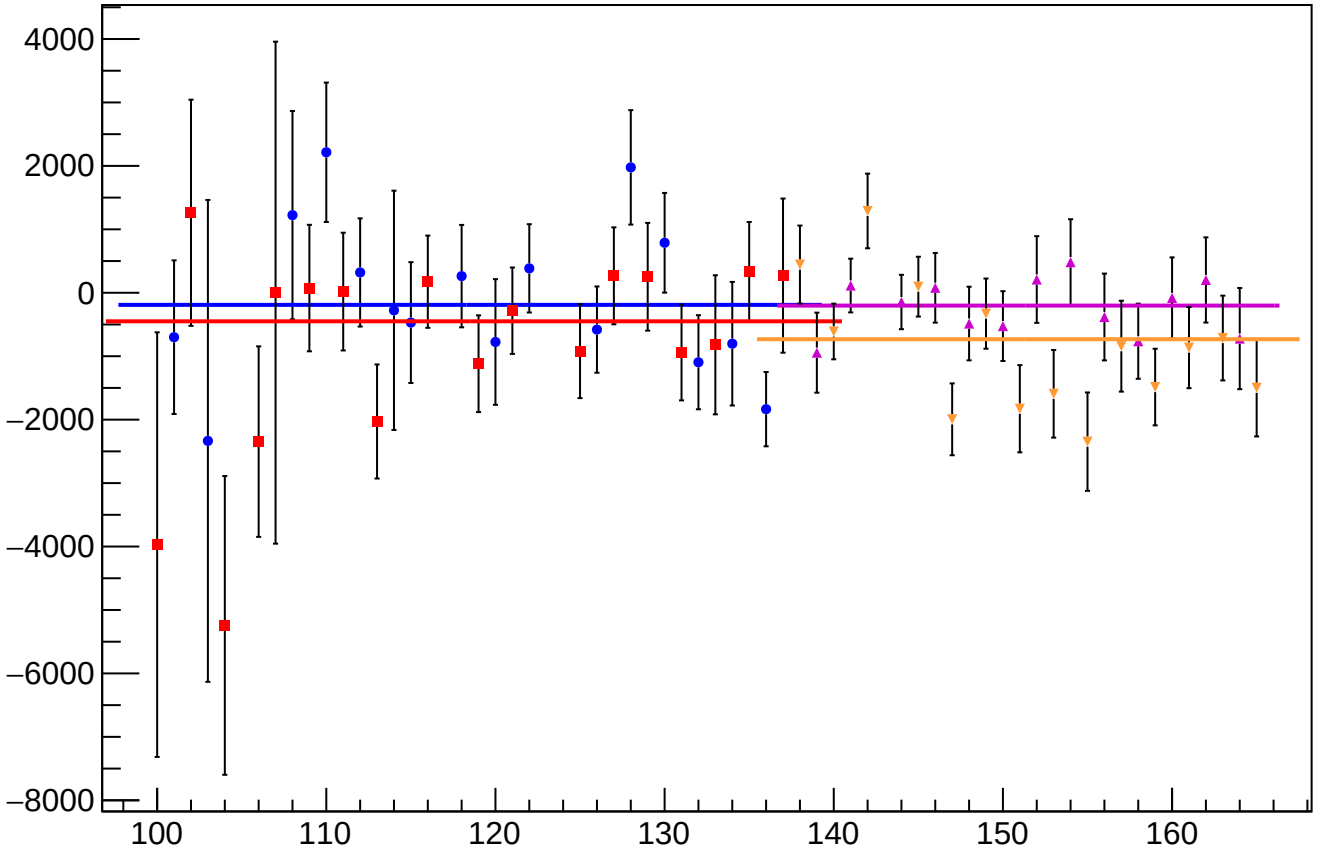
Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

\+ sign 1164.028+/-0.194 χ^2/NDF: 348939.1/29

All: 1171.197+/-0.138 χ^2/NDF: 891998.3/60

\- sign 1178.568+/-0.196 χ^2/NDF: 540276.4/30

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -731.893+/-161.027 χ^2/NDF:35.2/13

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

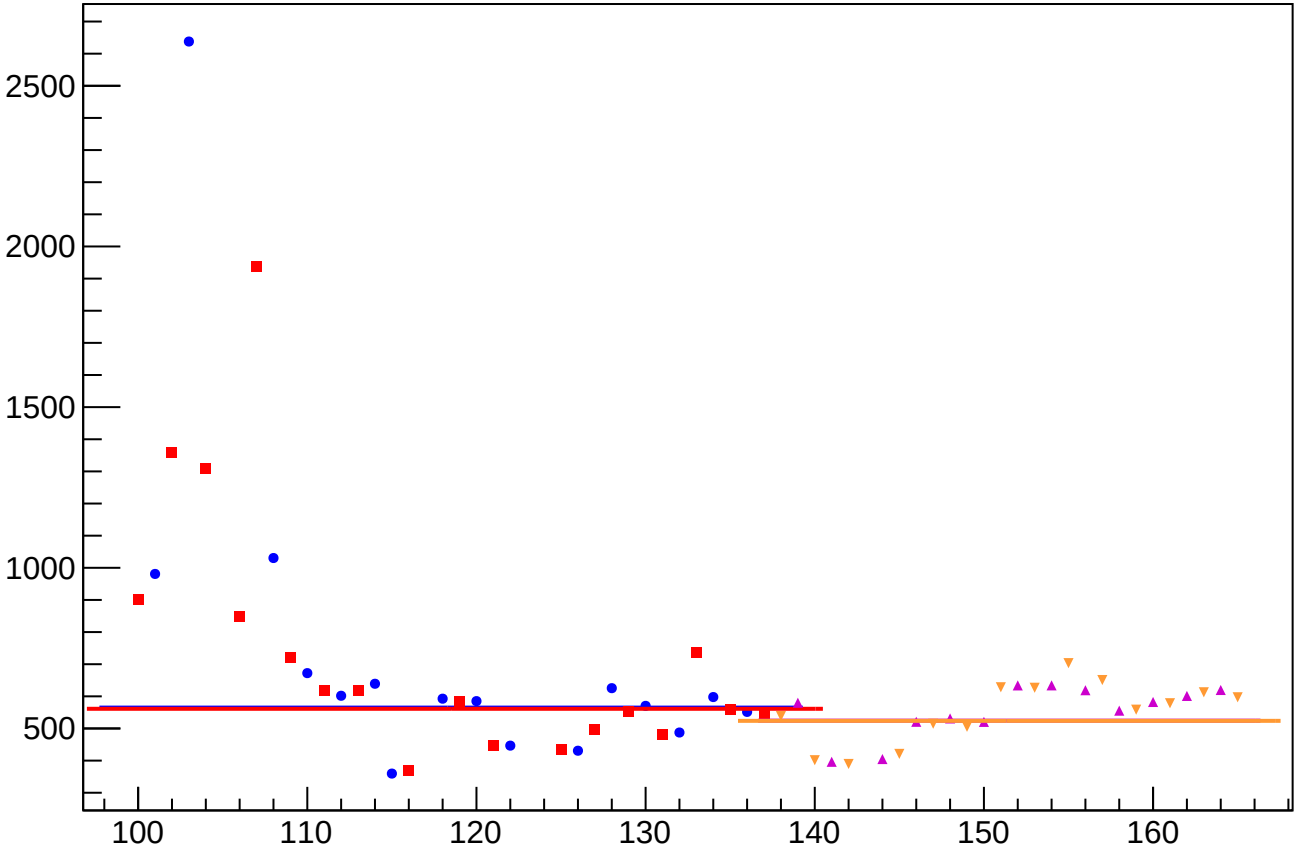
Left In: -202.298+/-160.793 χ^2/NDF:6.0/12

+ sign -546.251+/-130.523 χ^2/NDF: 64.3/29

All: -416.505+/-92.273 χ^2/NDF: 89.9/60

- sign -286.875+/-130.465 χ^2/NDF: 23.6/30

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 523.746+/-0.114 χ^2/NDF:694777.3/13

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

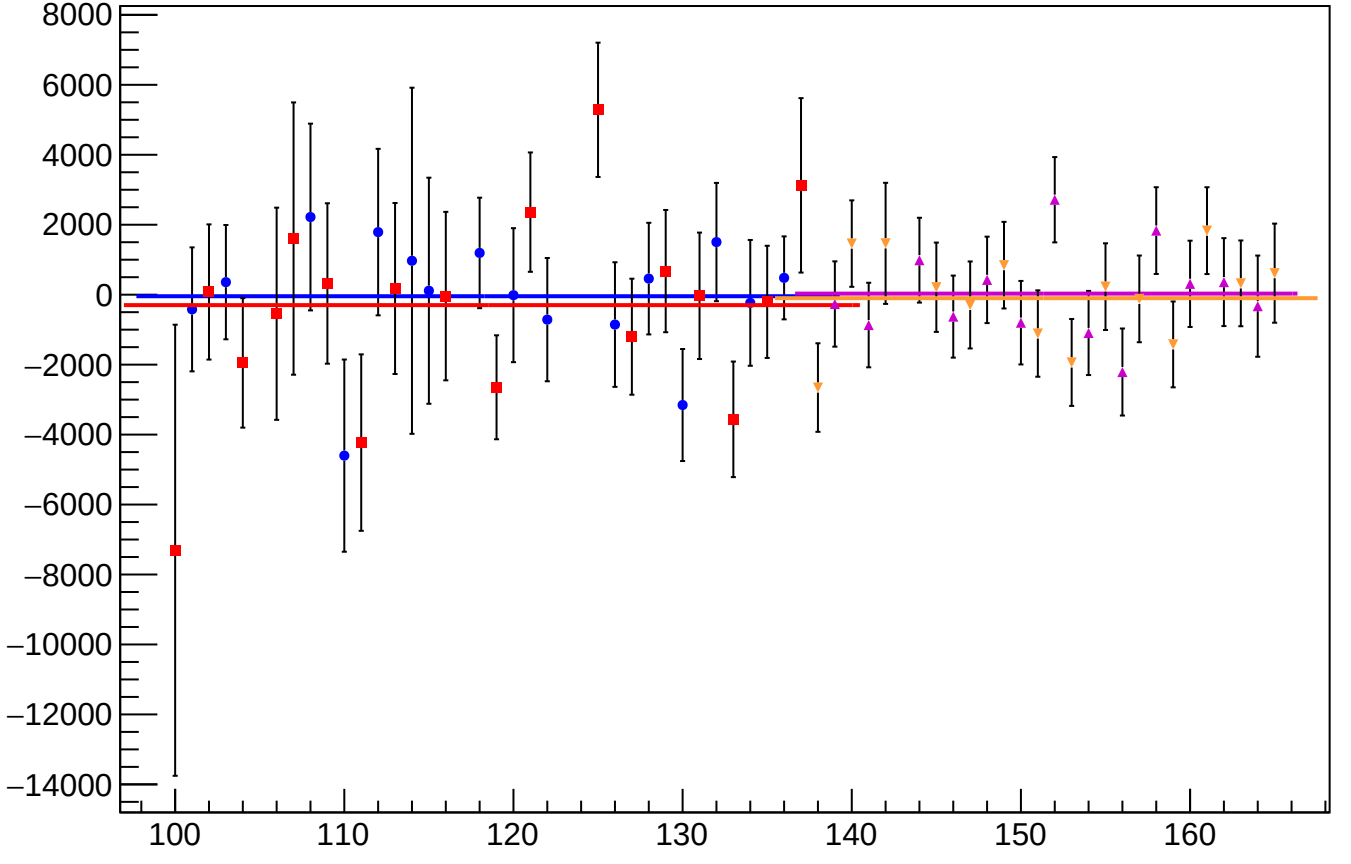
Left In: 524.337+/-0.114 χ^2/NDF:573837.1/12

+ sign 537.881+/-0.092 χ^2/NDF: 2024189.9/29

All: 537.413+/-0.065 χ^2/NDF: 3986316.8/60

- sign 536.946+/-0.092 χ^2/NDF: 1962075.6/30

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -100.202+/-340.864 χ^2/NDF:14.0/13

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

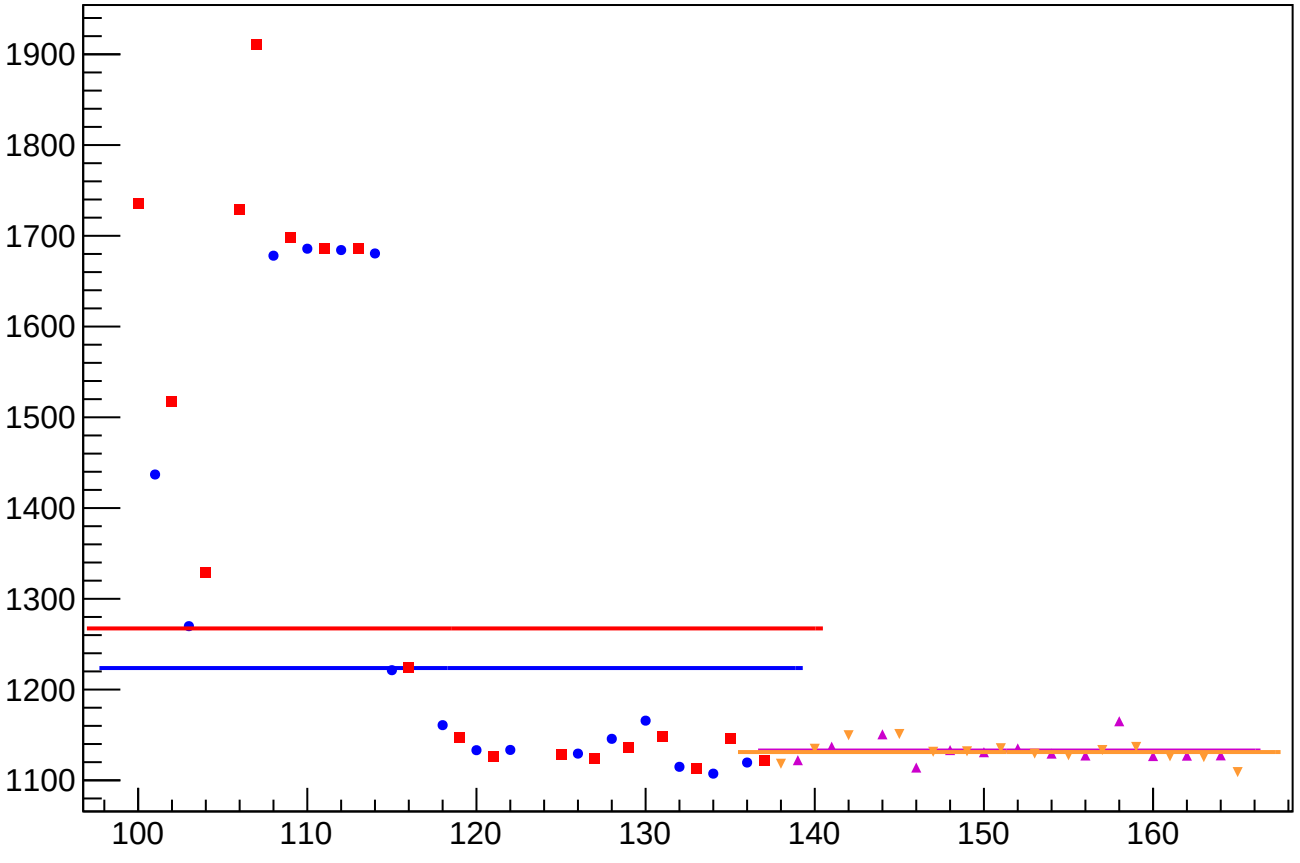
Left In: 30.937+/-342.025 χ^2/NDF:13.4/12

+ sign -80.210+/-273.704 χ^2/NDF: 24.1/29

All: -80.772+/-194.908 χ^2/NDF: 62.5/60

- sign -81.350+/-277.621 χ^2/NDF: 38.3/30

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.148+/-0.241 χ^2/NDF:1588.4/13

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

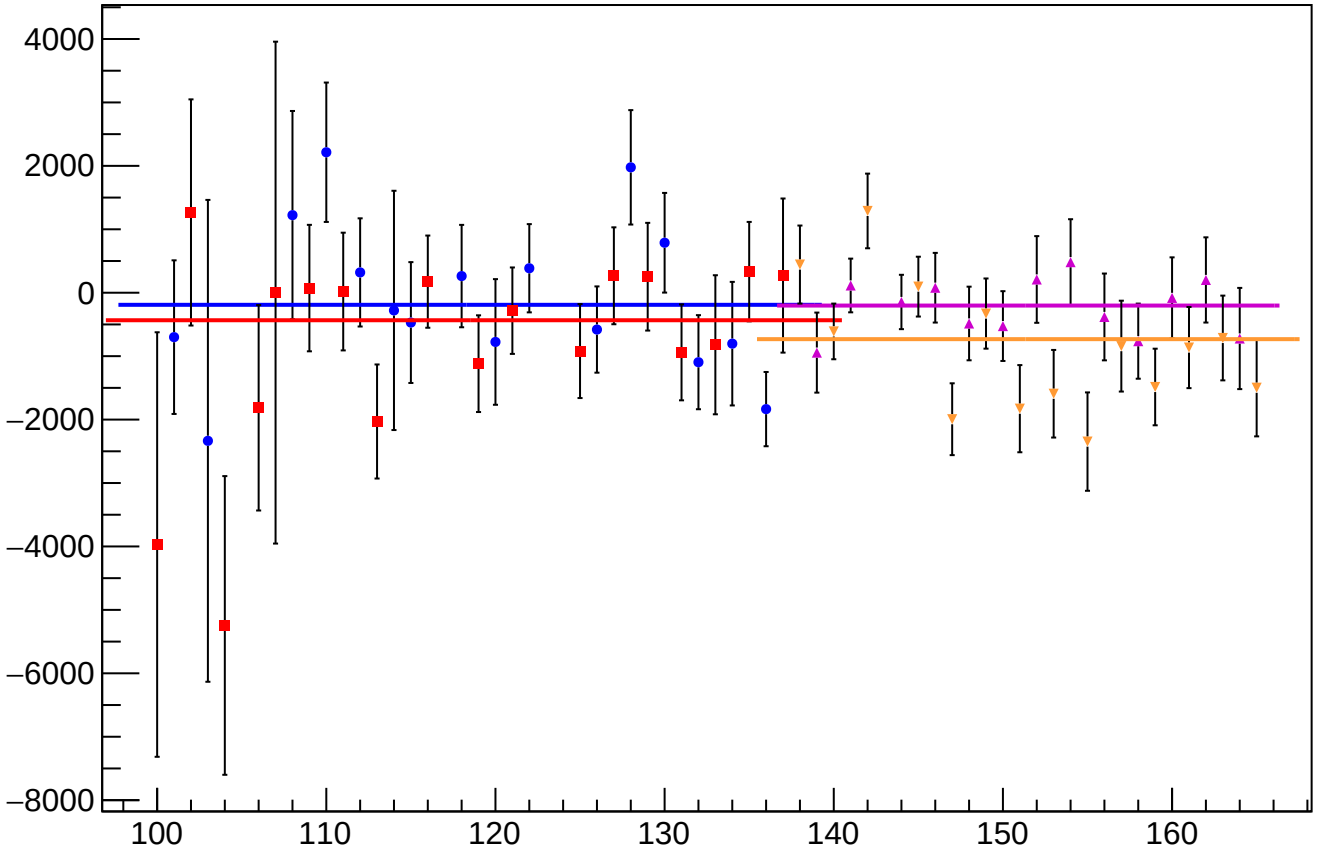
Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

+ sign 1164.028+/-0.194 χ^2/NDF: 348939.2/29

All: 1171.269+/-0.138 χ^2/NDF: 899997.5/60

- sign 1178.719+/-0.196 χ^2/NDF: 548218.0/30

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -731.900+/-161.026 χ^2/NDF:35.2/13

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

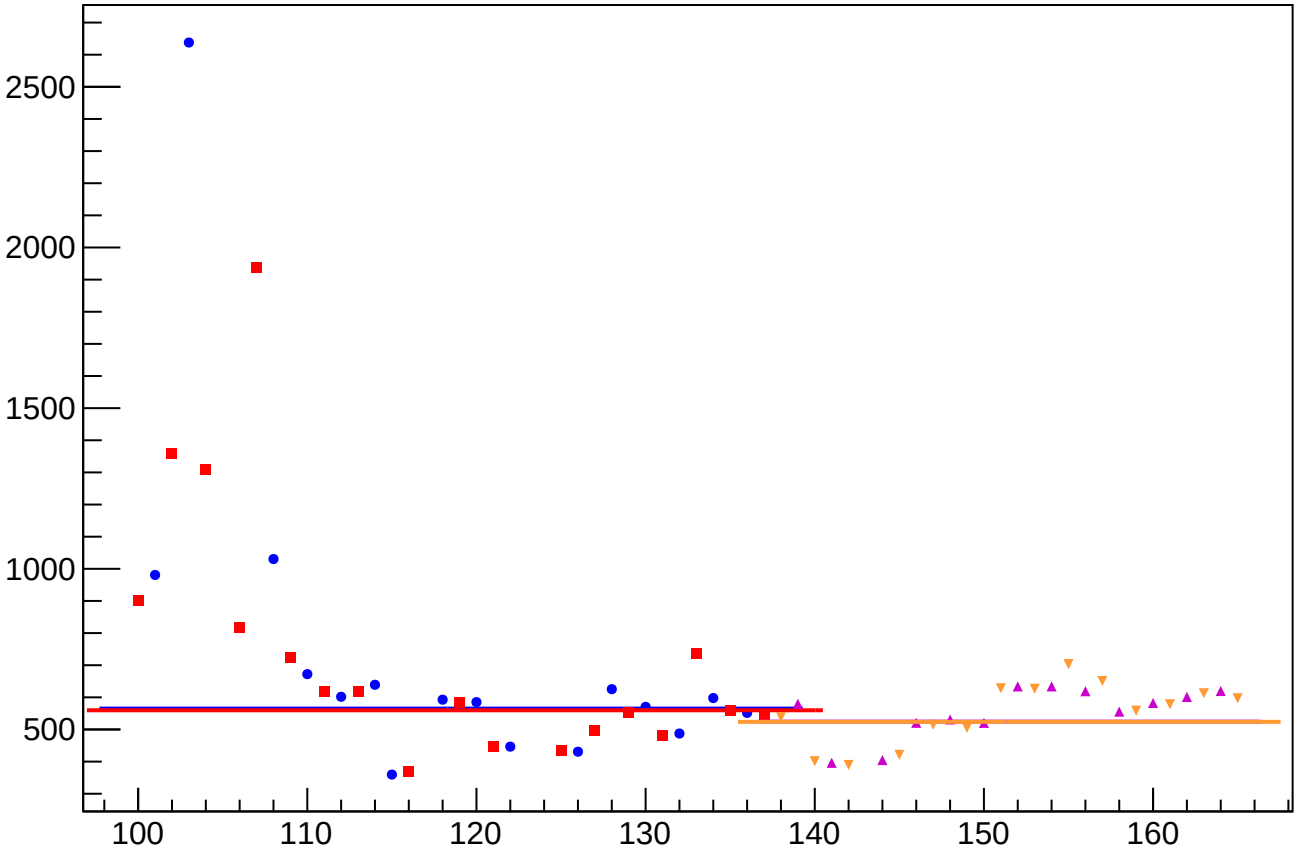
Left In: -202.309+/-160.793 χ^2/NDF:6.0/12

+ sign -546.258+/-130.522 χ^2/NDF: 64.3/29

All: -413.773+/-92.297 χ^2/NDF: 89.0/60

- sign -281.266+/-130.534 χ^2/NDF: 22.6/30

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 523.744+/-0.114 χ^2/NDF:694756.4/13

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

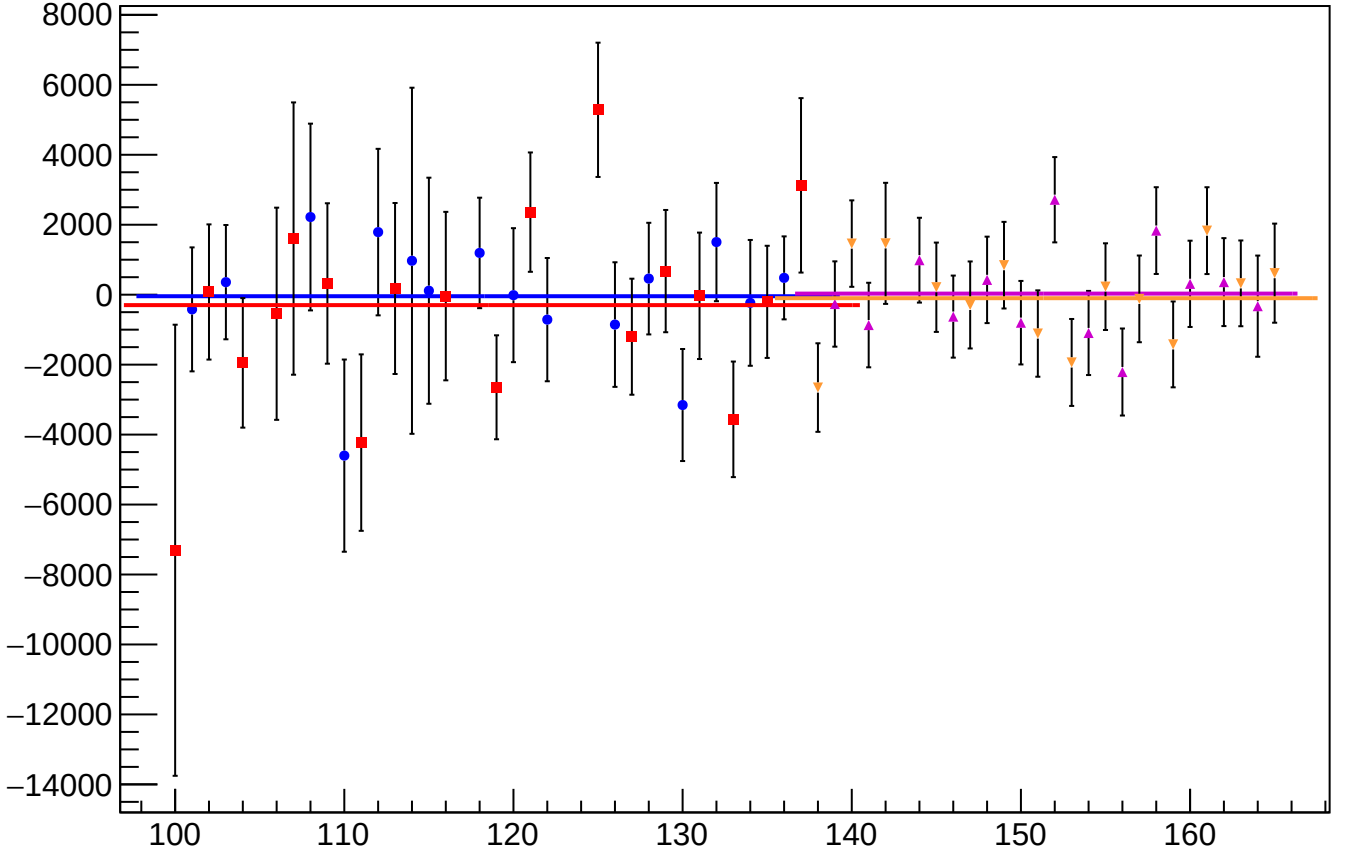
Left In: 524.338+/-0.114 χ^2/NDF:573797.9/12

+ sign 537.879+/-0.092 χ^2/NDF: 2024140.4/29

All: 537.147+/-0.065 χ^2/NDF: 3960511.4/60

- sign 536.415+/-0.092 χ^2/NDF: 1936245.2/30

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -100.202+/-340.864 χ^2/NDF:14.0/13

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

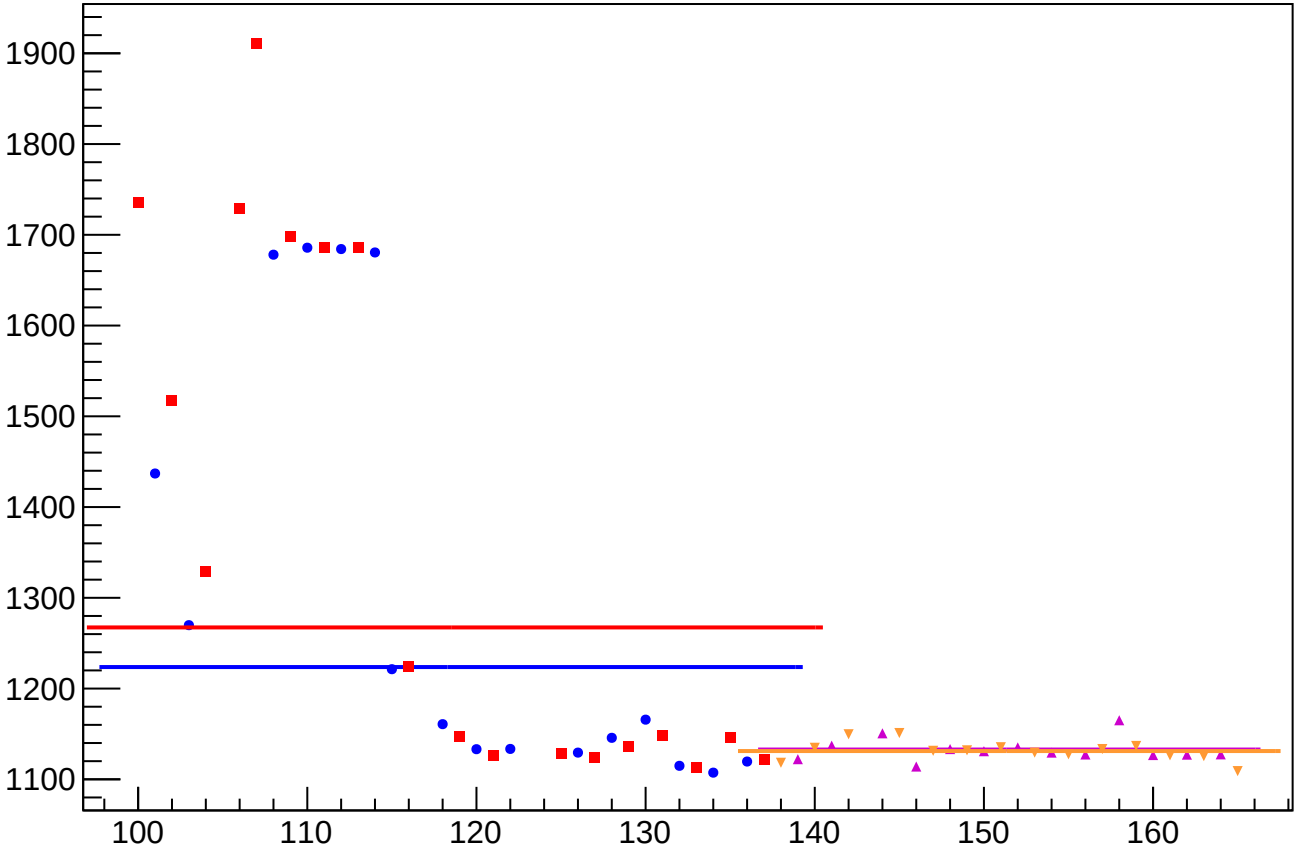
Left In: 30.937+/-342.025 χ^2/NDF:13.4/12

+ sign -80.210+/-273.704 χ^2/NDF: 24.1/29

All: -80.772+/-194.908 χ^2/NDF: 62.5/60

- sign -81.350+/-277.621 χ^2/NDF: 38.3/30

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1131.148+/-0.241 χ^2/NDF:1588.4/13

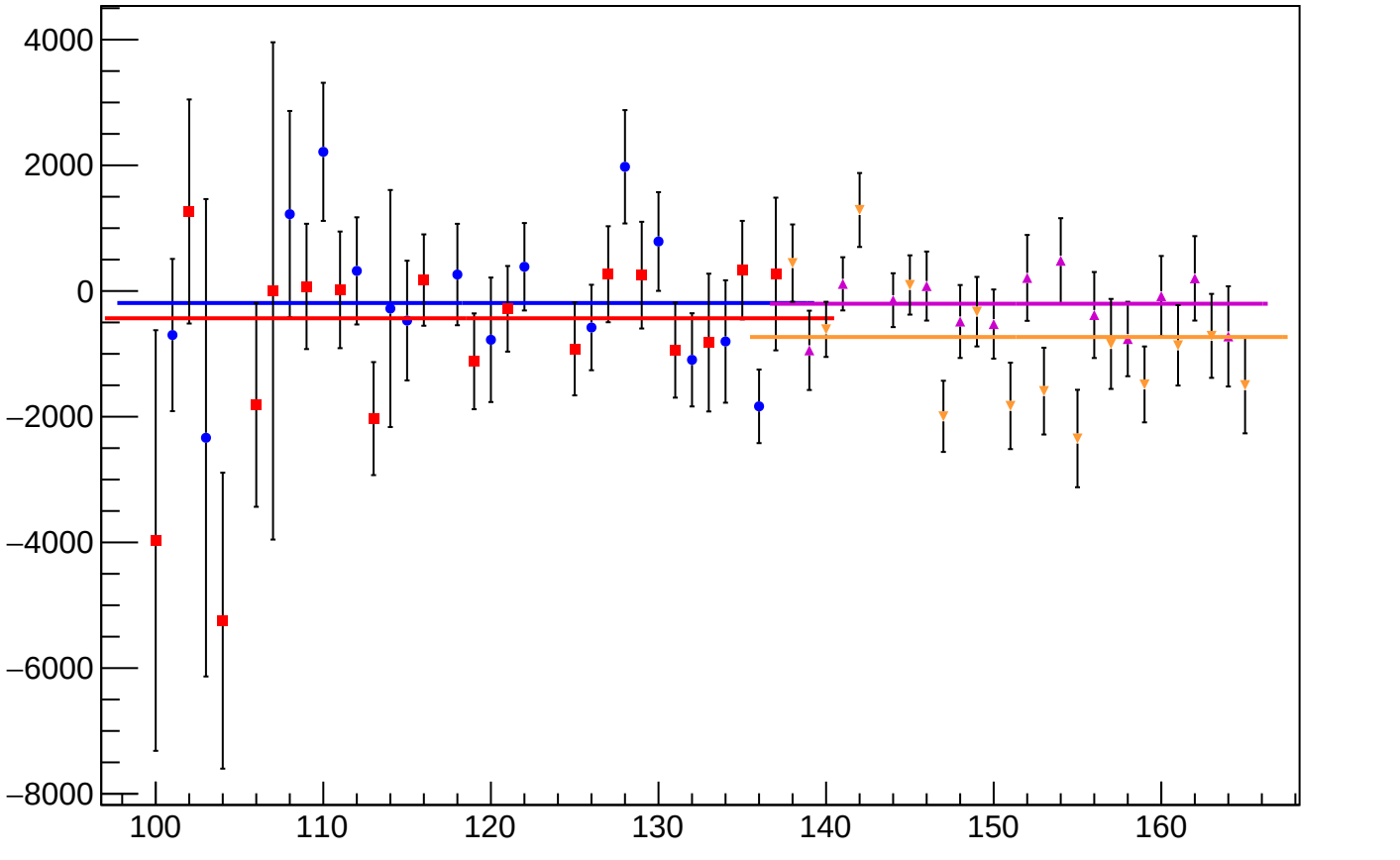
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

+ sign 1164.028+/-0.194 χ^2/NDF: 348939.2/29

All: 1171.269+/-0.138 χ^2/NDF: 899997.5/60

- sign 1178.719+/-0.196 χ^2/NDF: 548218.0/30



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -731.900+/-161.026 χ^2/NDF:35.2/13

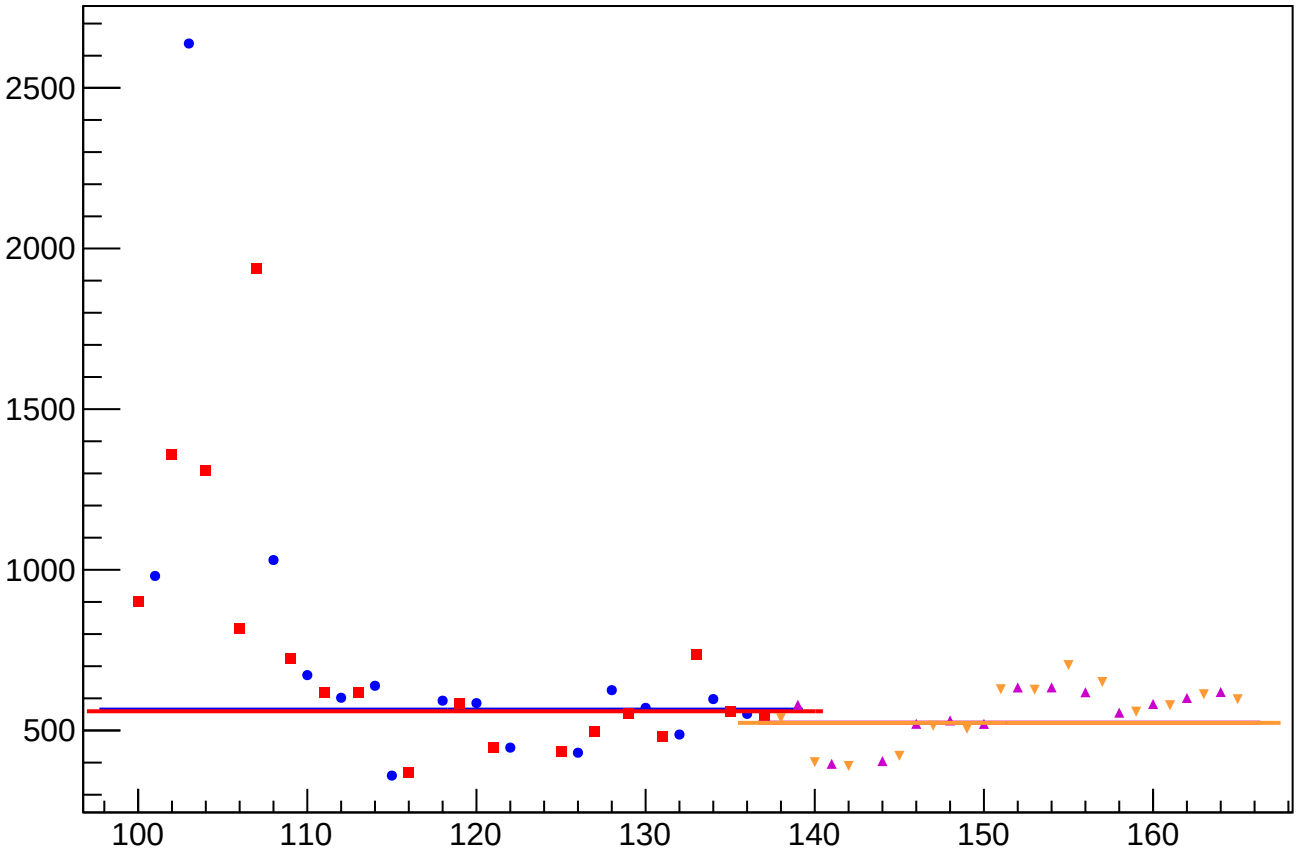
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -202.309+/-160.793 χ^2/NDF:6.0/12

+ sign -546.258+/-130.522 χ^2/NDF: 64.3/29

All: -413.773+/-92.297 χ^2/NDF: 89.0/60

- sign -281.266+/-130.534 χ^2/NDF: 22.6/30



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 523.744+/-0.114 χ^2/NDF:694756.4/13

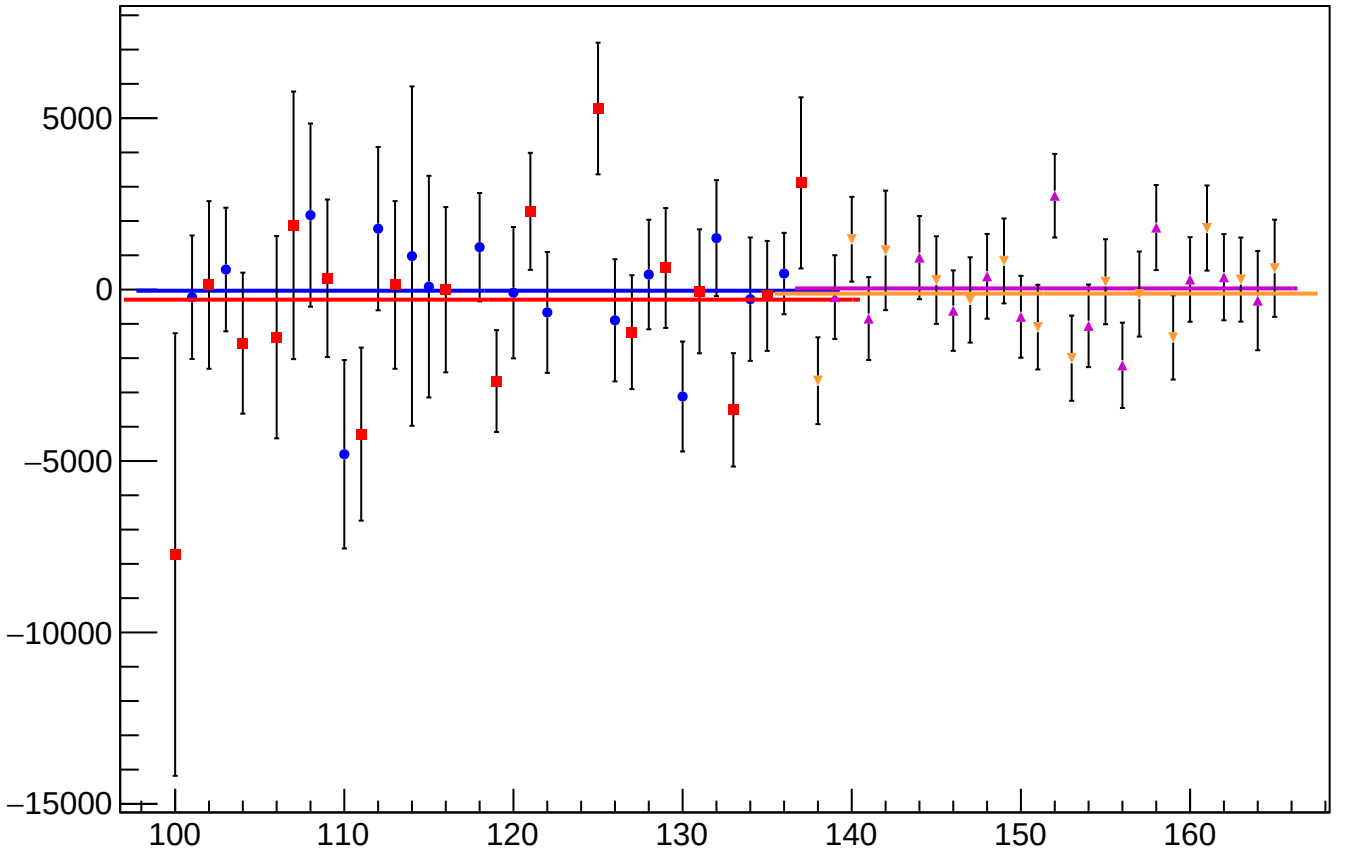
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.338+/-0.114 χ^2/NDF:573797.9/12

\+ sign 537.879+/-0.092 χ^2/NDF: 2024140.4/29

All: 537.147+/-0.065 χ^2/NDF: 3960511.4/60

\- sign 536.415+/-0.092 χ^2/NDF: 1936245.2/30



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -117.119+/-341.090 χ^2/NDF:13.7/13

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

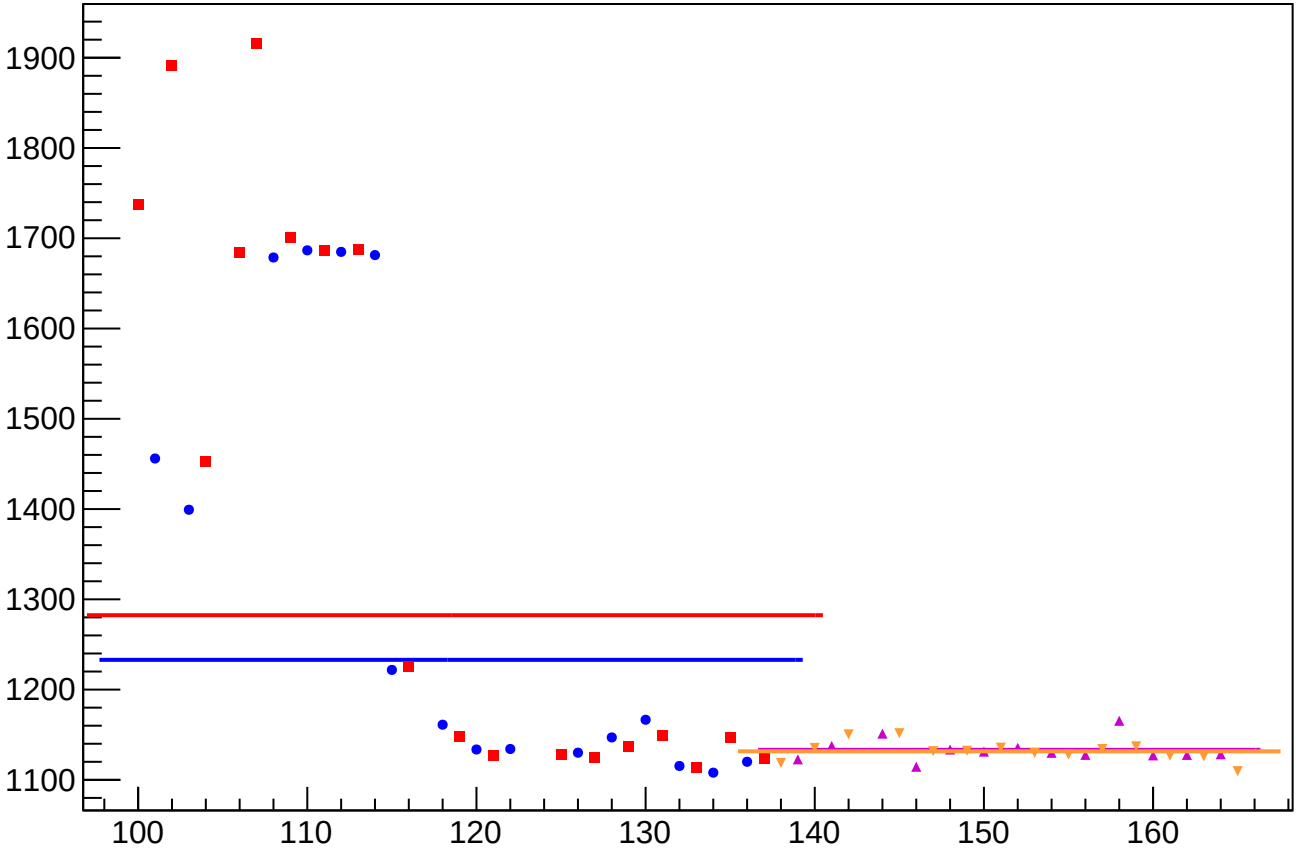
Left In: 33.956+/-342.161 χ^2/NDF:13.2/12

+ sign -87.566+/-274.661 χ^2/NDF: 24.0/29

All: -81.475+/-195.856 χ^2/NDF: 61.8/60

- sign -75.173+/-279.363 χ^2/NDF: 37.7/30

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1131.615+/-0.241 χ^2/NDF:1592.5/13

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

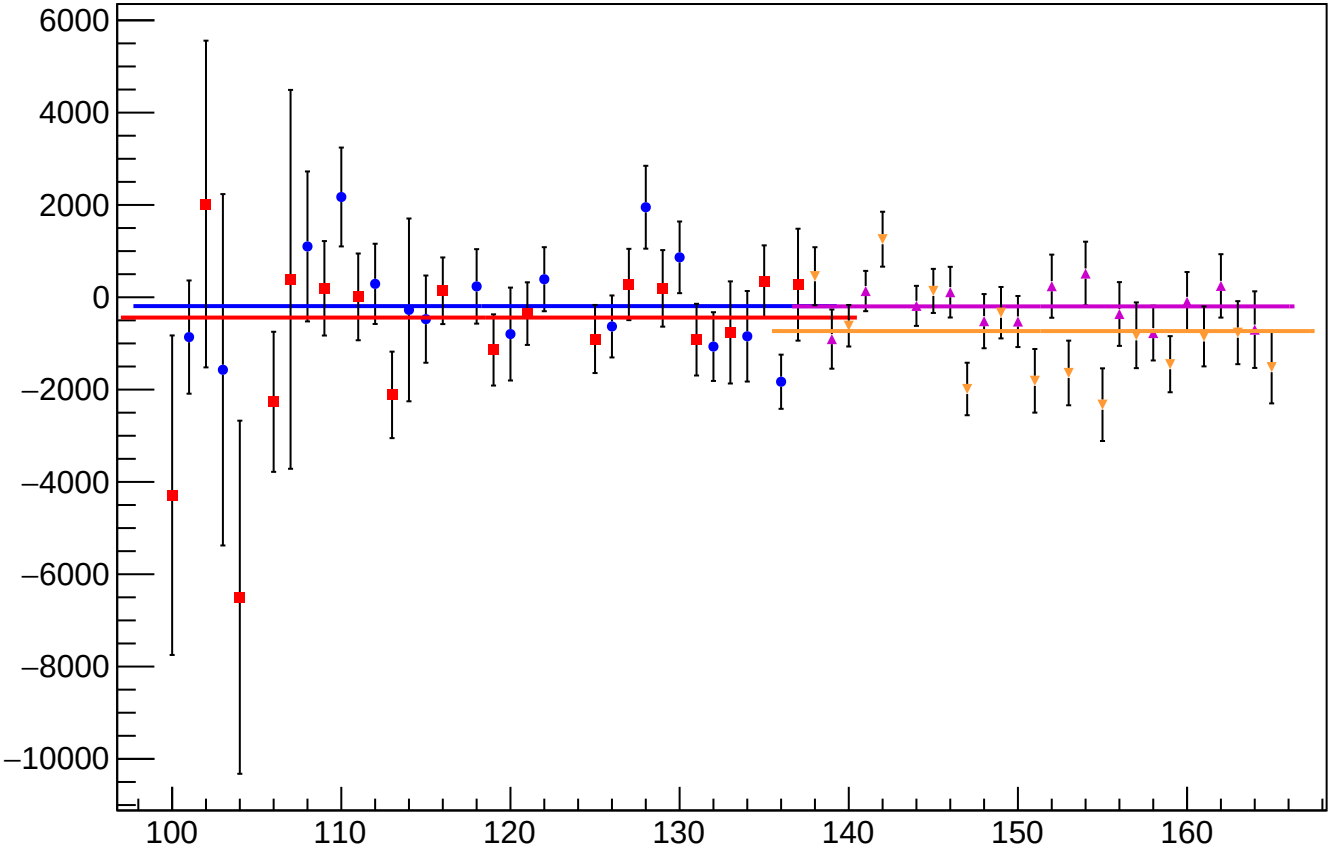
Left In: 1133.272+/-0.242 χ^2/NDF:2650.7/12

+ sign 1167.248+/-0.194 χ^2/NDF: 379145.7/29

All: 1174.985+/-0.138 χ^2/NDF: 1055098.2/60

- sign 1182.991+/-0.198 χ^2/NDF: 672722.9/30

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -732.139+/-163.116 χ^2/NDF:34.2/13

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

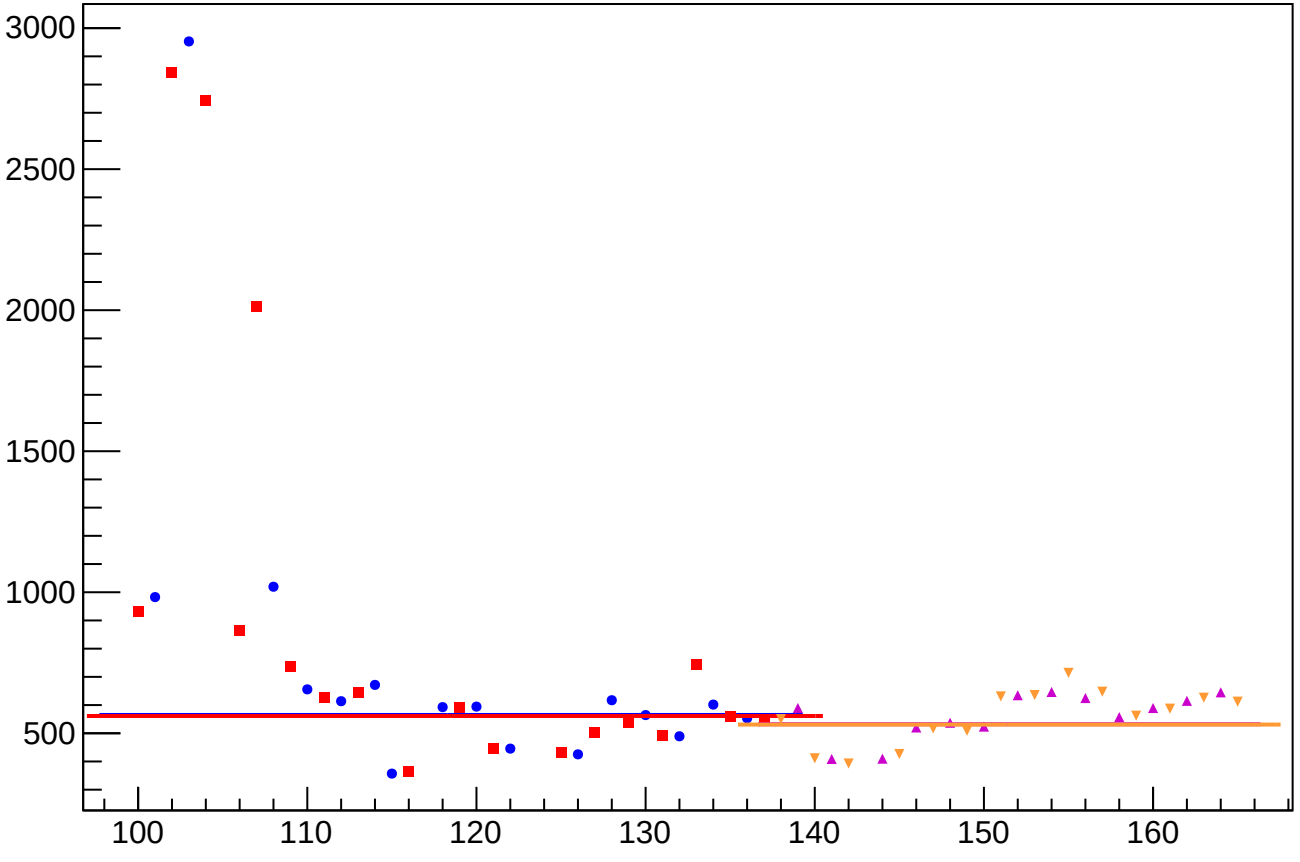
Left In: -197.450+/-163.034 χ^2/NDF:6.1/12

+ sign -543.449+/-131.606 χ^2/NDF: 63.3/29

All: -412.481+/-93.318 χ^2/NDF: 86.8/60

- sign -280.048+/-132.341 χ^2/NDF: 21.5/30

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 530.886+/-0.115 χ^2/NDF:680547.1/13

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

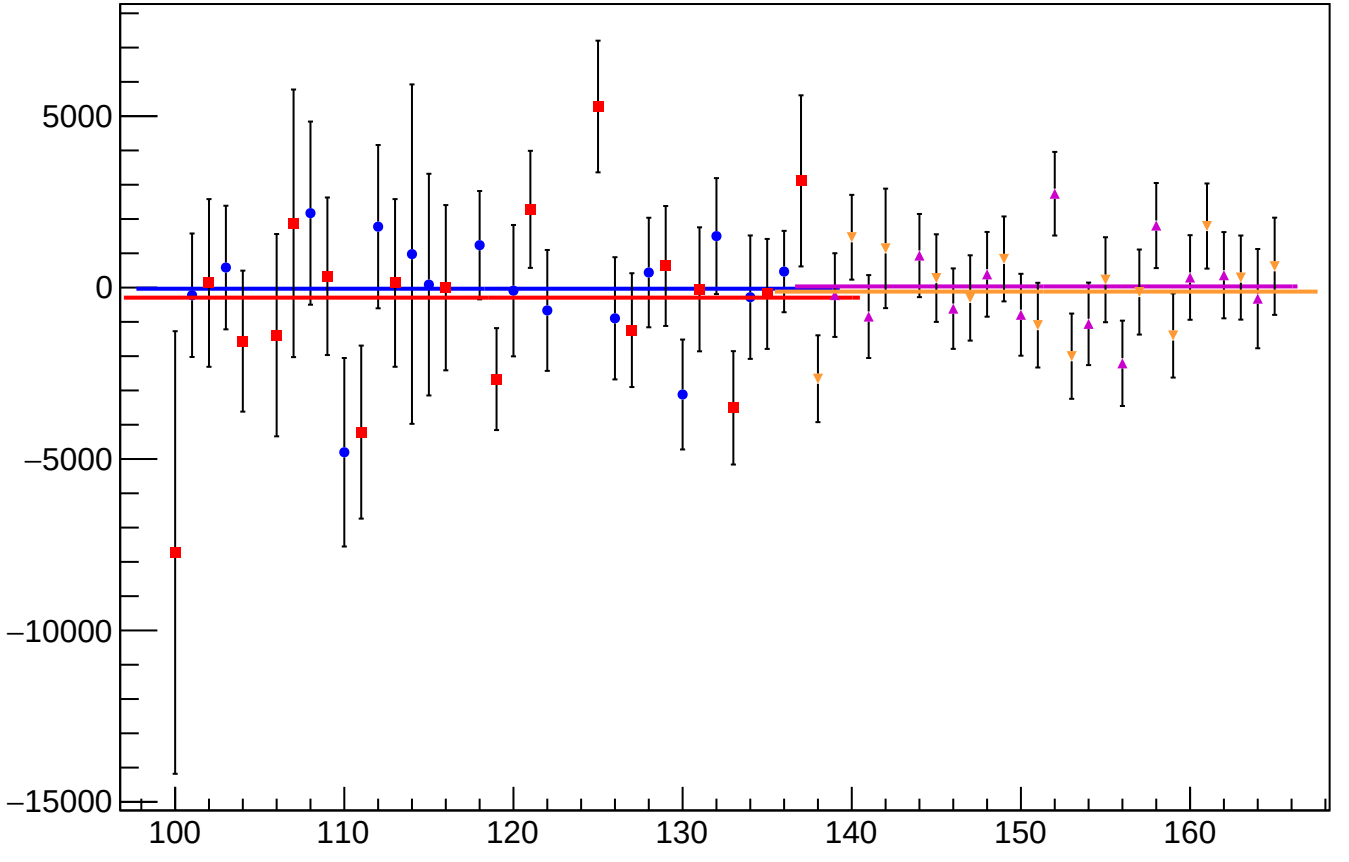
Left In: 532.041+/-0.115 χ^2/NDF:557504.1/12

+ sign 542.748+/-0.093 χ^2/NDF: 2191224.8/29

All: 542.382+/-0.066 χ^2/NDF: 5044062.0/60

- sign 542.012+/-0.094 χ^2/NDF: 2852806.1/30

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -117.122+/-341.090 χ^2/NDF:13.7/13

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

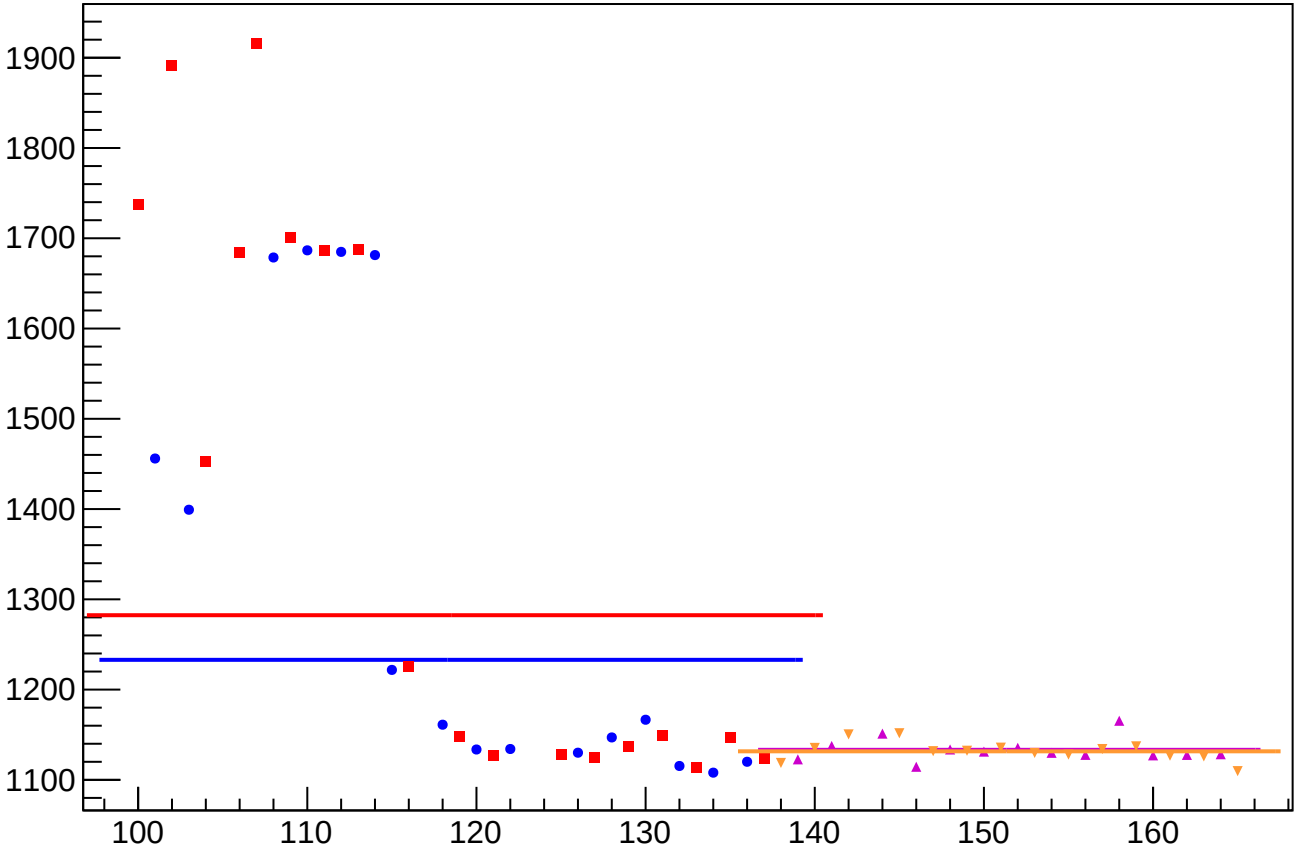
Left In: 33.955+/-342.161 χ^2/NDF:13.2/12

\+ sign -87.567+/-274.661 χ^2/NDF: 24.0/29

All: -81.476+/-195.856 χ^2/NDF: 61.8/60

\- sign -75.173+/-279.363 χ^2/NDF: 37.7/30

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1131.615+/-0.241 χ^2/NDF:1592.5/13

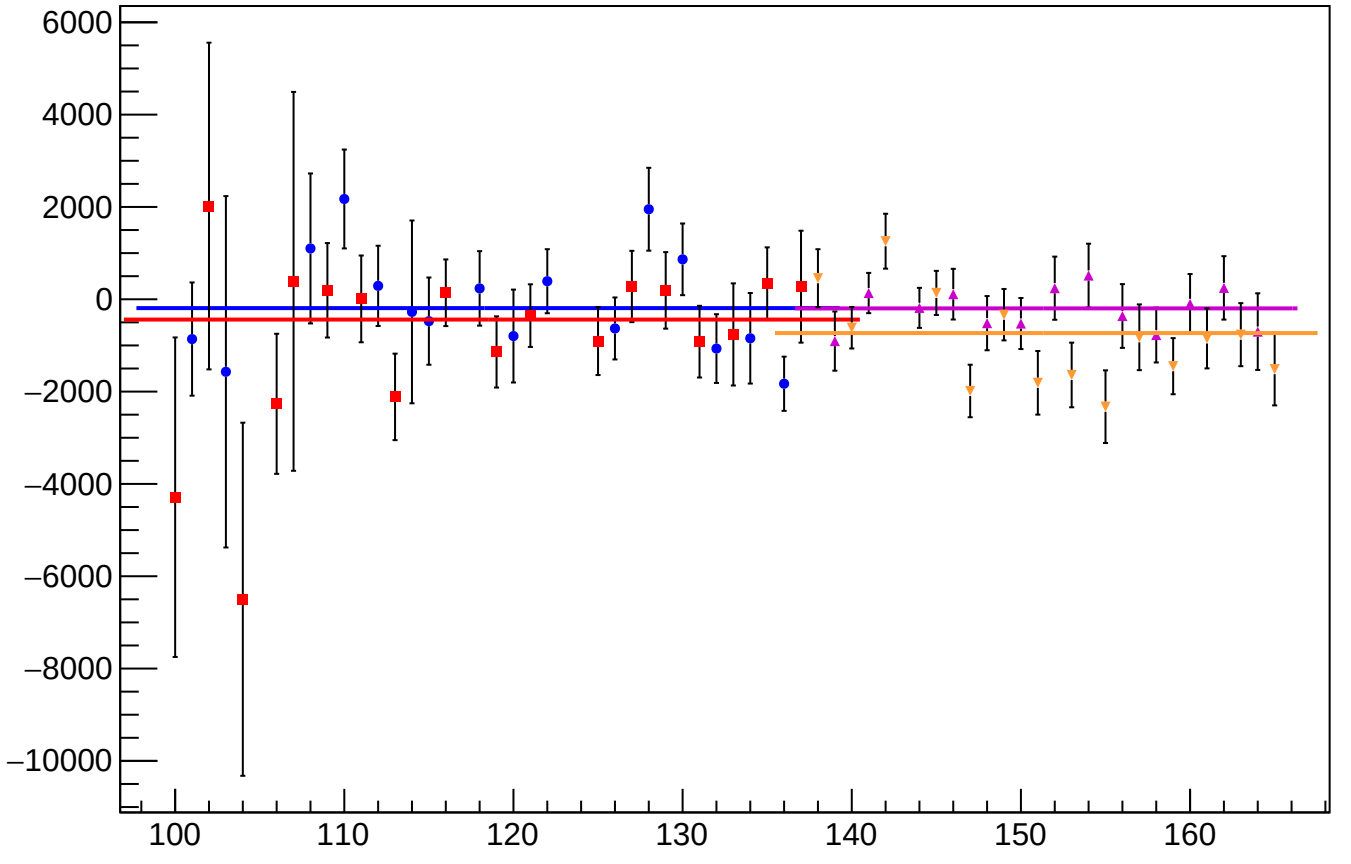
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1133.272+/-0.242 χ^2/NDF:2650.7/12

+ sign 1167.247+/-0.194 χ^2/NDF: 379145.2/29

All: 1174.985+/-0.138 χ^2/NDF: 1055097.0/60

- sign 1182.991+/-0.198 χ^2/NDF: 672722.2/30



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -732.137+/-163.116 χ^2/NDF:34.2/13

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

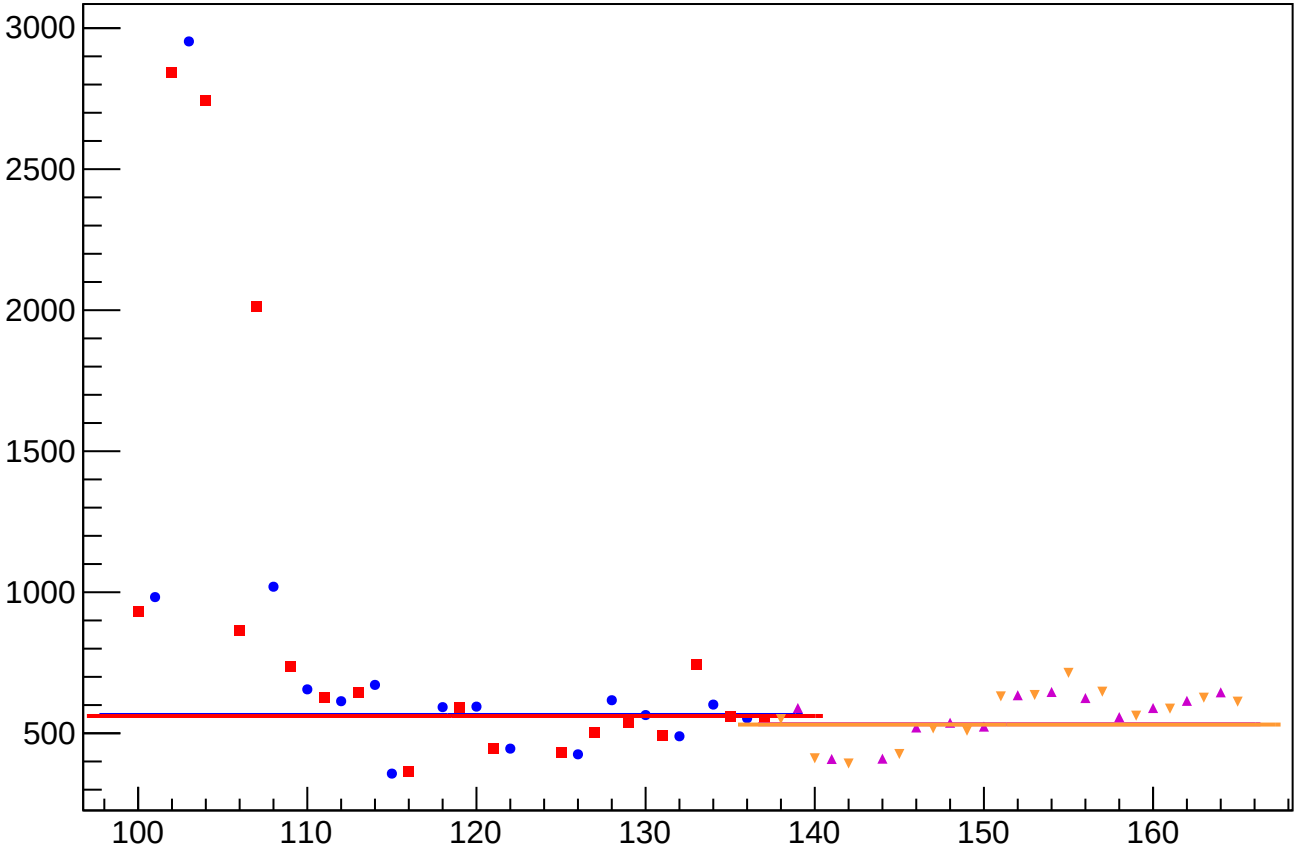
Left In: -197.450+/-163.034 χ^2/NDF:6.1/12

+ sign -543.448+/-131.606 χ^2/NDF: 63.3/29

All: -412.481+/-93.318 χ^2/NDF: 86.8/60

- sign -280.048+/-132.341 χ^2/NDF: 21.5/30

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 530.885+/-0.115 χ^2/NDF:680565.7/13

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

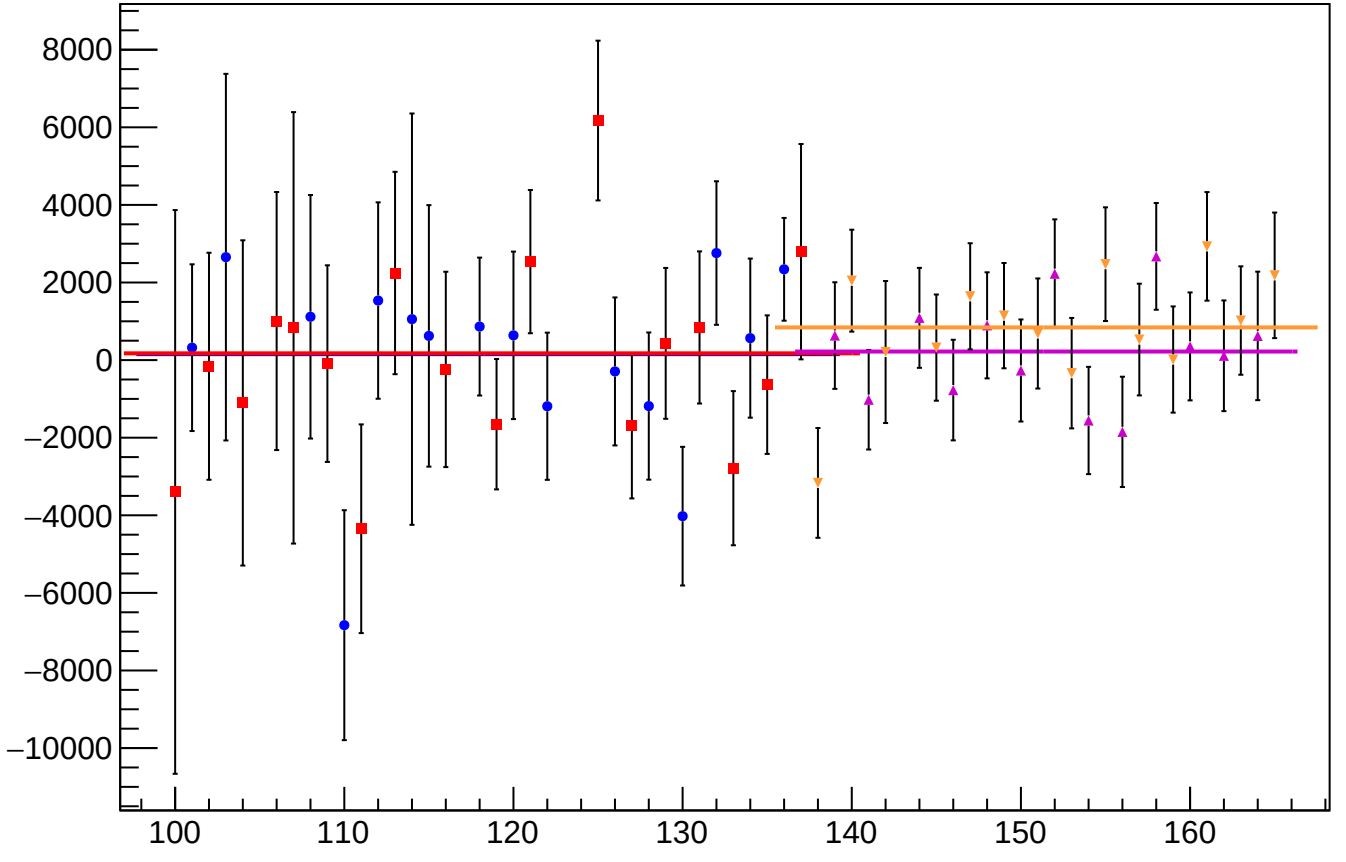
Left In: 532.041+/-0.115 χ^2/NDF:557516.1/12

+ sign 542.747+/-0.093 χ^2/NDF: 2191242.1/29

All: 542.381+/-0.066 χ^2/NDF: 5044092.7/60

- sign 542.012+/-0.094 χ^2/NDF: 2852819.5/30

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 842.457+/-381.648 χ^2/NDF:14.8/13

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

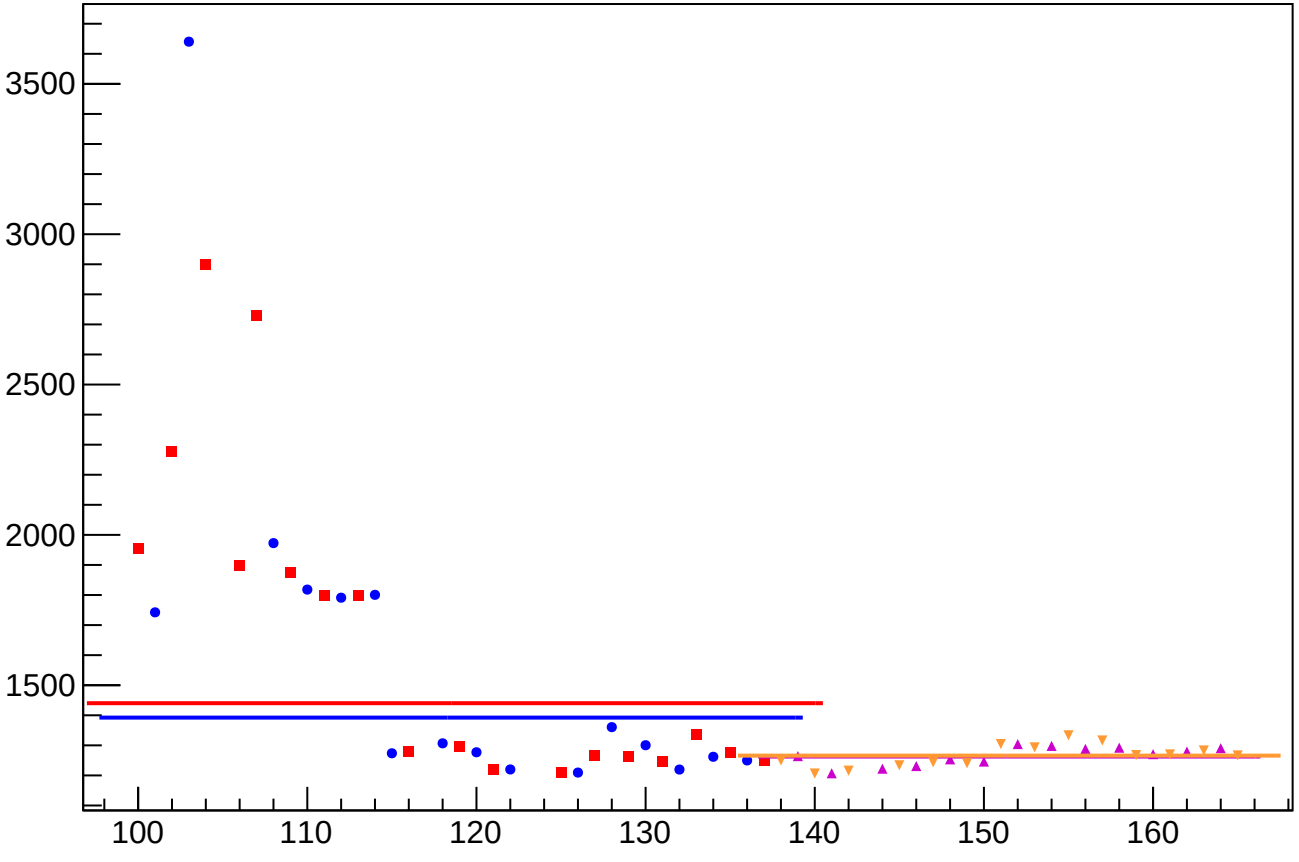
Left In: 220.625+/-381.364 χ^2/NDF:11.5/12

+ sign 608.379+/-310.124 χ^2/NDF: 33.7/29

All: 409.119+/-220.448 χ^2/NDF: 65.7/60

- sign 205.596+/-313.424 χ^2/NDF: 31.2/30

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1265.871+/-0.270 χ^2/NDF:17424.5/13

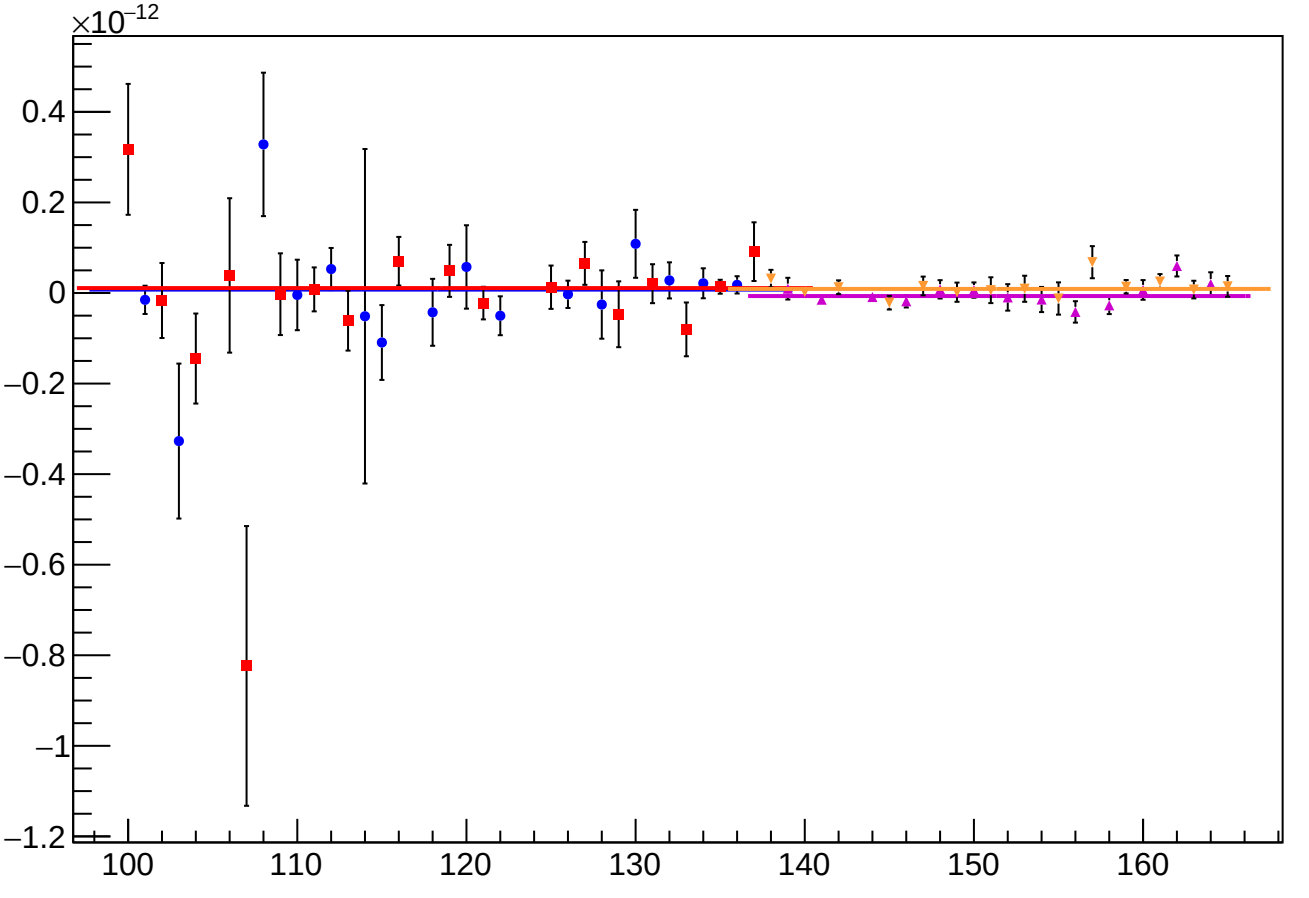
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1262.731+/-0.270 χ^2/NDF:12846.5/12

+ sign 1308.818+/-0.219 χ^2/NDF: 871220.6/29

All: 1314.517+/-0.156 χ^2/NDF: 1880923.6/60

- sign 1320.338+/-0.222 χ^2/NDF: 1008337.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/13

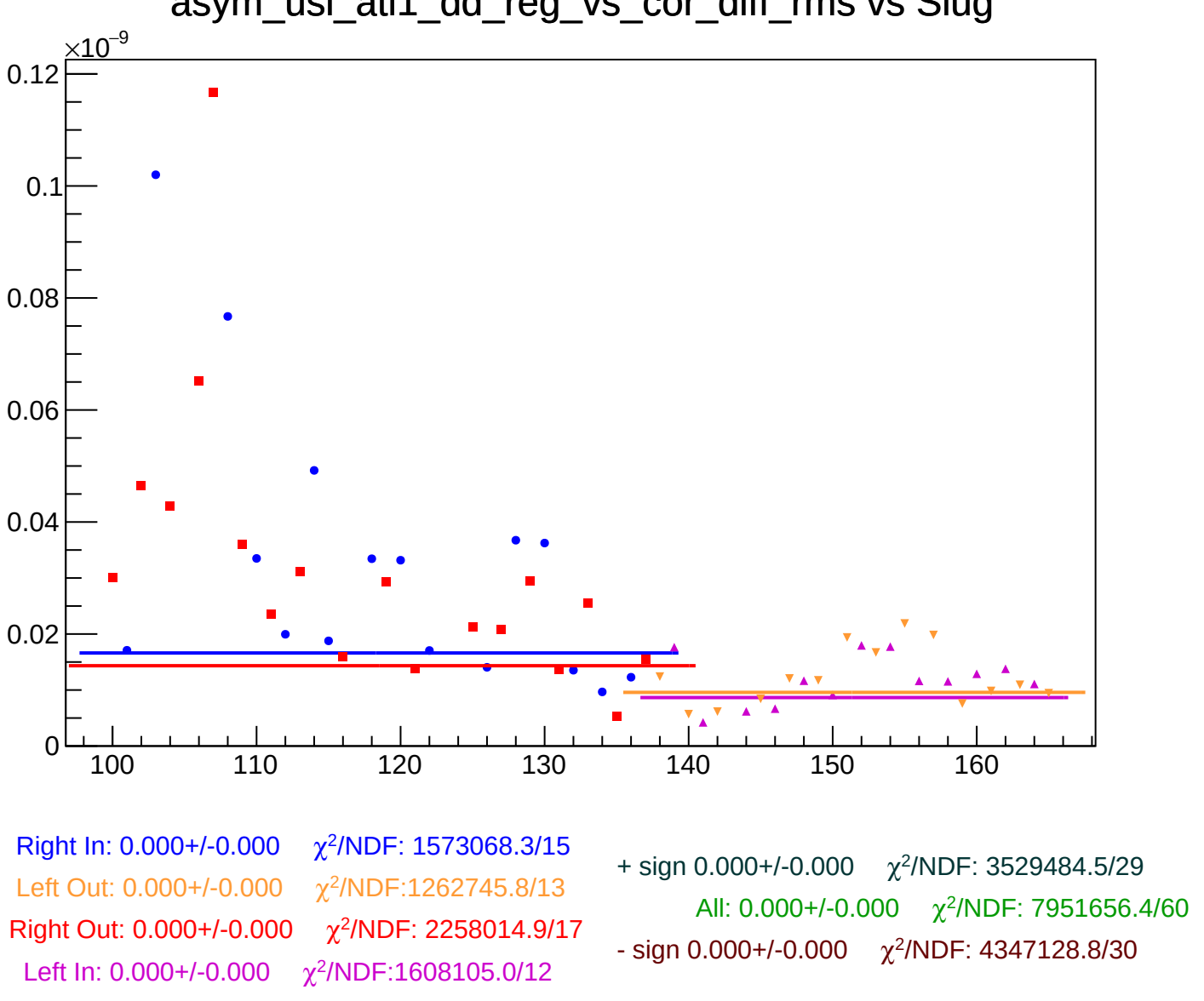
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.1/12

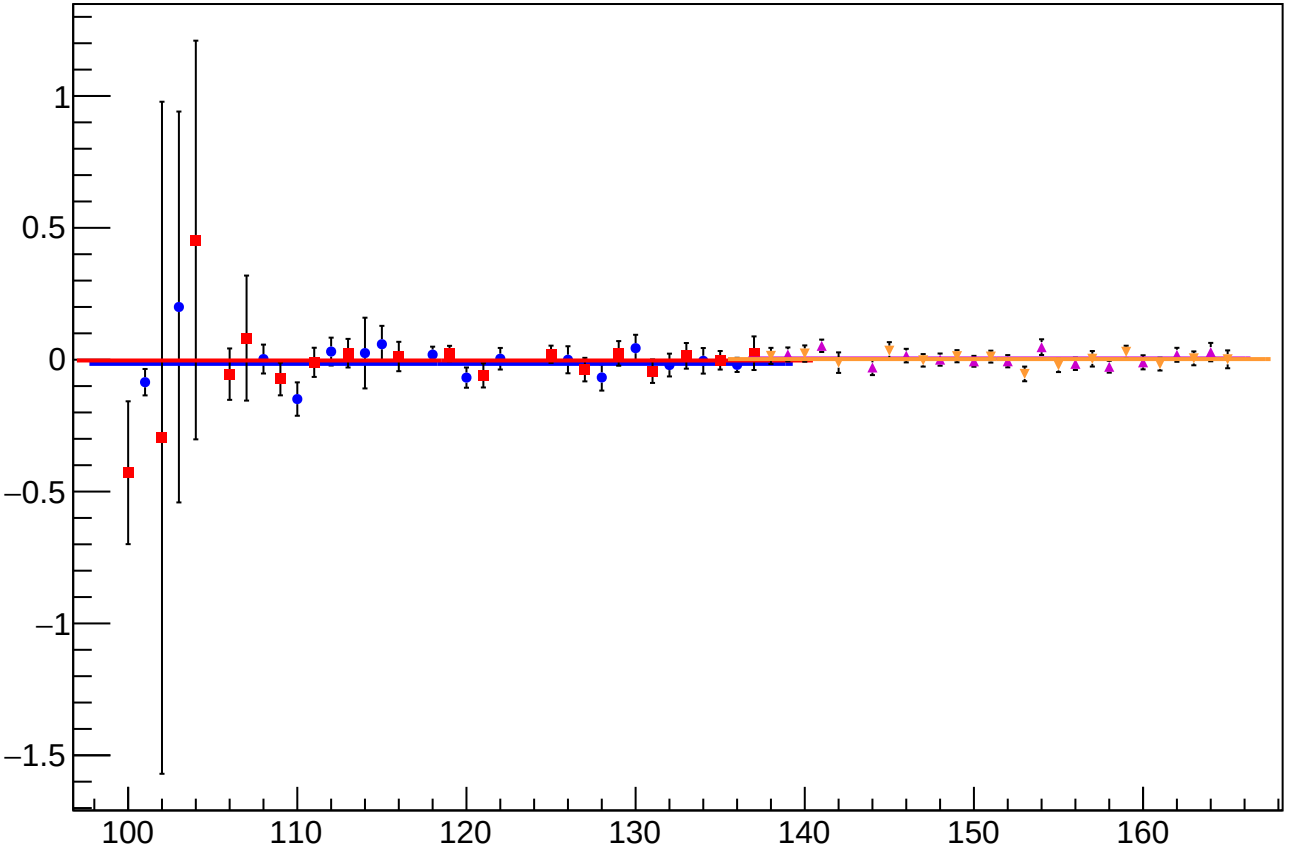
+ sign 0.000+/-0.000 χ^2/NDF: 27.3/29

All: 0.000+/-0.000 χ^2/NDF: 73.9/60

- sign -0.000+/-0.000 χ^2/NDF: 42.5/30


asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1573068.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1262745.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 2258014.9/17
Left In: 0.000+/-0.000 χ²/NDF:1608105.0/12
+ sign 0.000+/-0.000 χ²/NDF: 3529484.5/29
All: 0.000+/-0.000 χ²/NDF: 7951656.4/60
- sign 0.000+/-0.000 χ²/NDF: 4347128.8/30

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

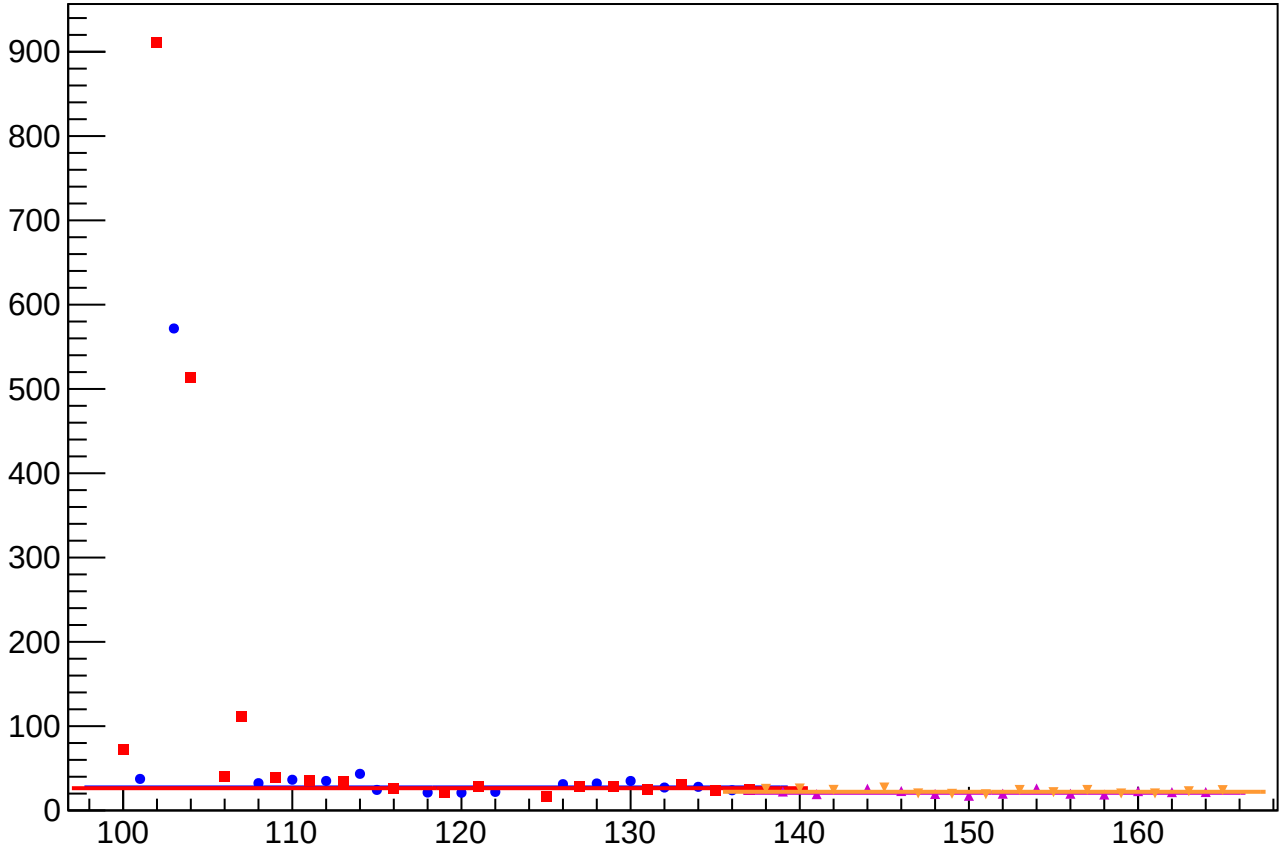
Left In: 0.005+/-0.007 χ^2/NDF:12.4/12

+ sign -0.003+/-0.006 χ^2/NDF: 25.5/29

All: 0.000+/-0.004 χ^2/NDF: 48.5/60

- sign 0.003+/-0.006 χ^2/NDF: 22.6/30

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: 22.140+/-0.005 χ^2/NDF:241806.4/13

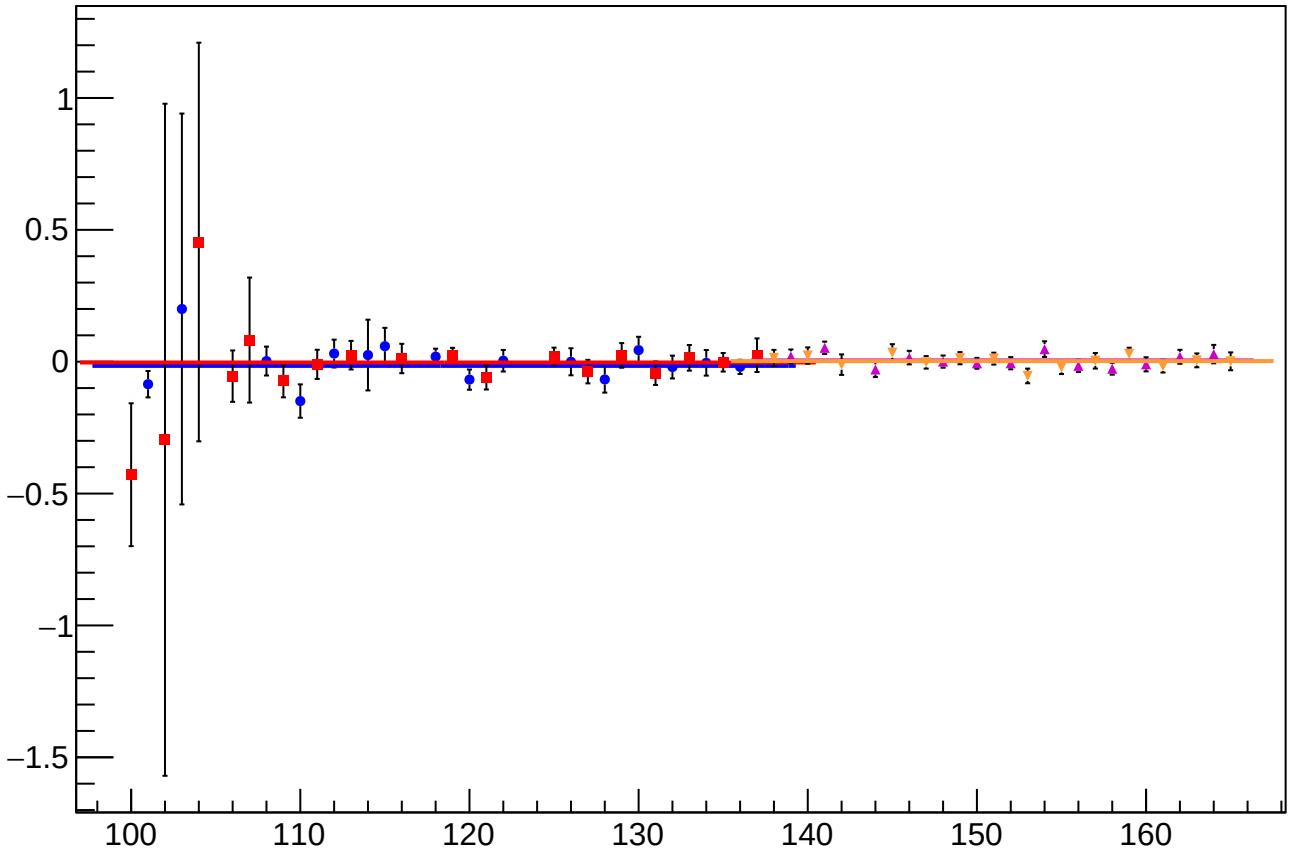
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250253.7/12

+ sign 23.591+/-0.004 χ^2/NDF: 2097219.8/29

All: 22.949+/-0.003 χ^2/NDF: 5312297.7/60

- sign 22.326+/-0.004 χ^2/NDF: 3171781.9/30



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

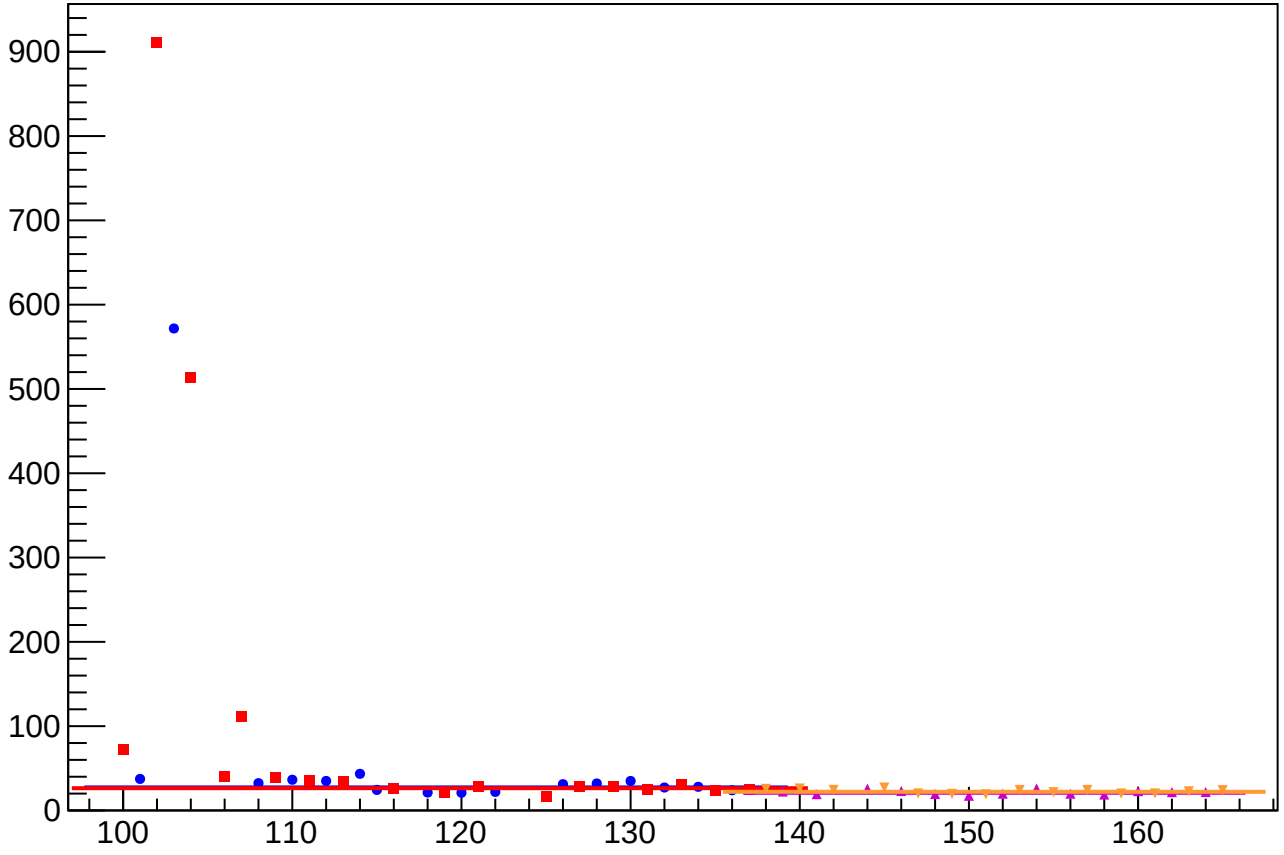
Left In: 0.005+/-0.007 χ^2/NDF:12.4/12

+ sign -0.003+/-0.006 χ^2/NDF: 25.5/29

All: 0.000+/-0.004 χ^2/NDF: 48.5/60

- sign 0.003+/-0.006 χ^2/NDF: 22.6/30

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: 22.140+/-0.005 χ^2/NDF:241806.4/13

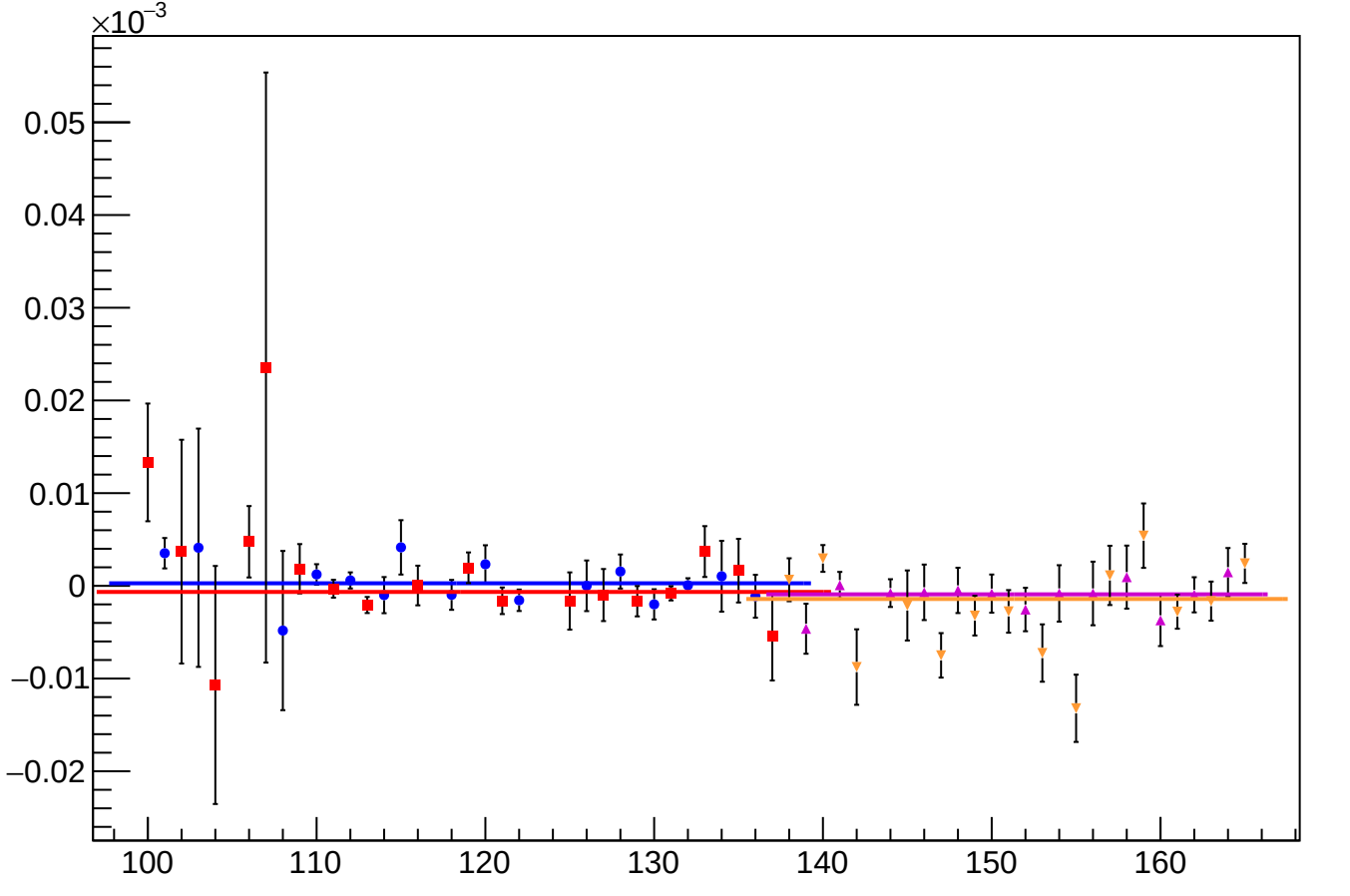
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250253.7/12

+ sign 23.591+/-0.004 χ^2/NDF: 2097219.8/29

All: 22.949+/-0.003 χ^2/NDF: 5312297.7/60

- sign 22.326+/-0.004 χ^2/NDF: 3171781.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:43.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

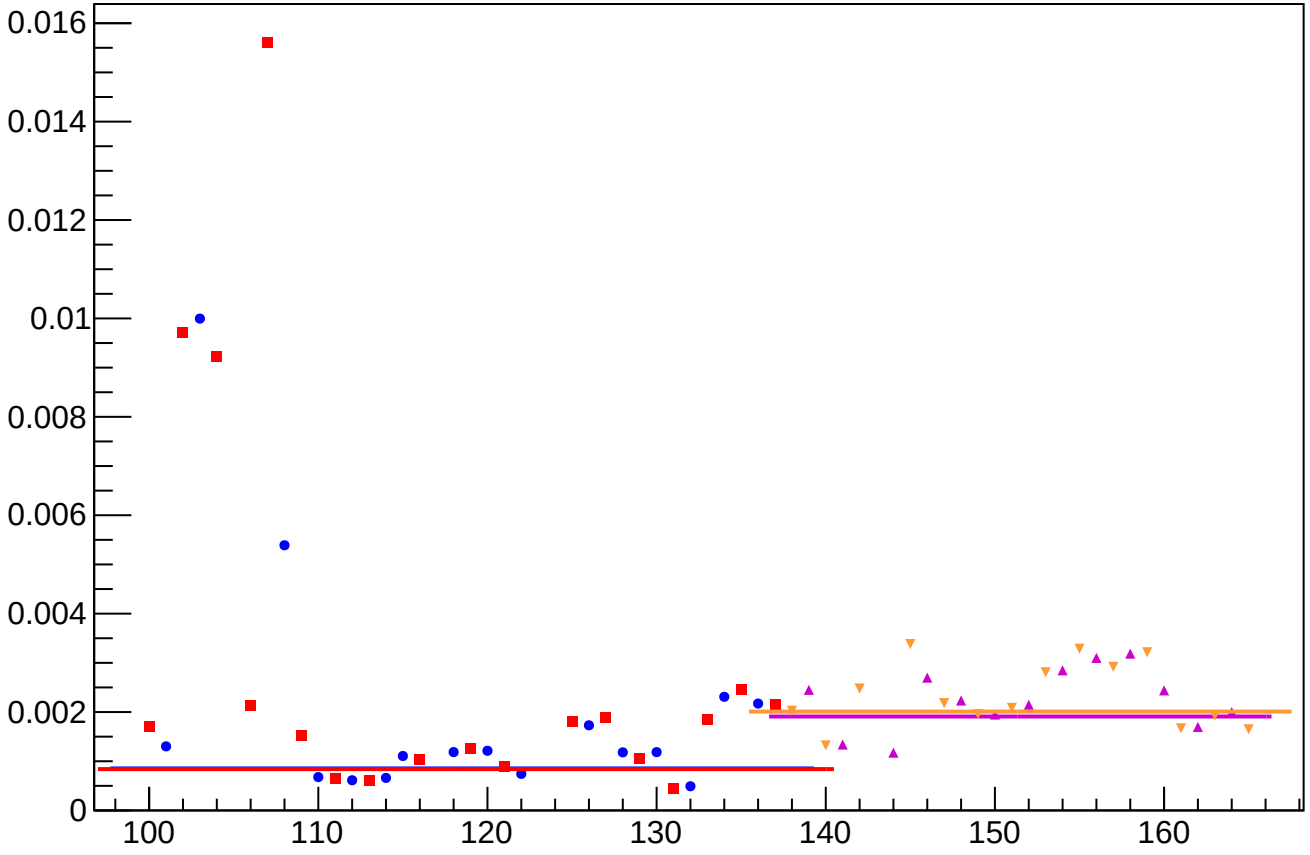
Left In: -0.000+/-0.000 χ^2/NDF:5.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 62.9/29

All: -0.000+/-0.000 χ^2/NDF: 88.8/60

- sign -0.000+/-0.000 χ^2/NDF: 24.5/30

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:1668952.3/13

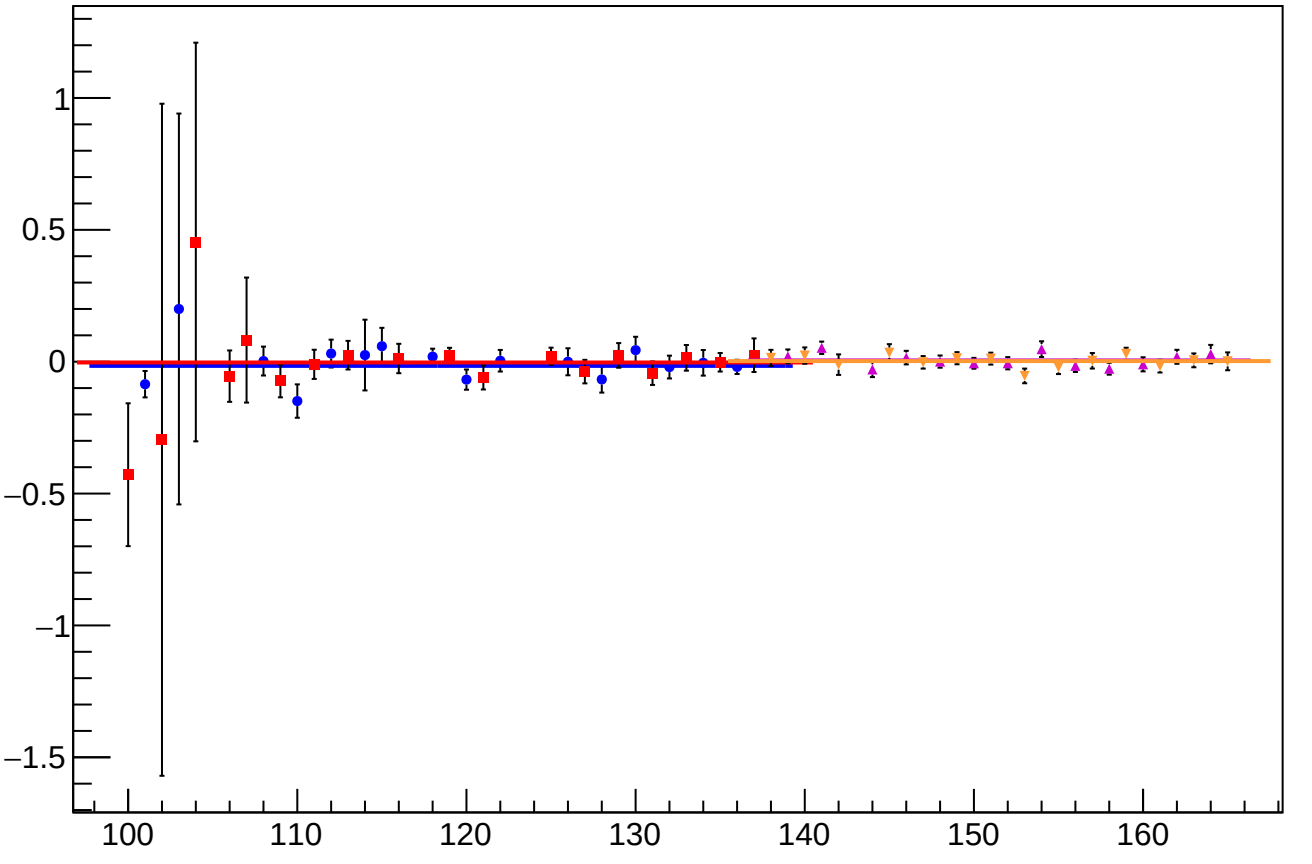
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1889381.9/12

+ sign 0.001+/-0.000 χ^2/NDF: 10442228.0/29

All: 0.001+/-0.000 χ^2/NDF: 21574222.9/60

- sign 0.001+/-0.000 χ^2/NDF: 11131994.7/30



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

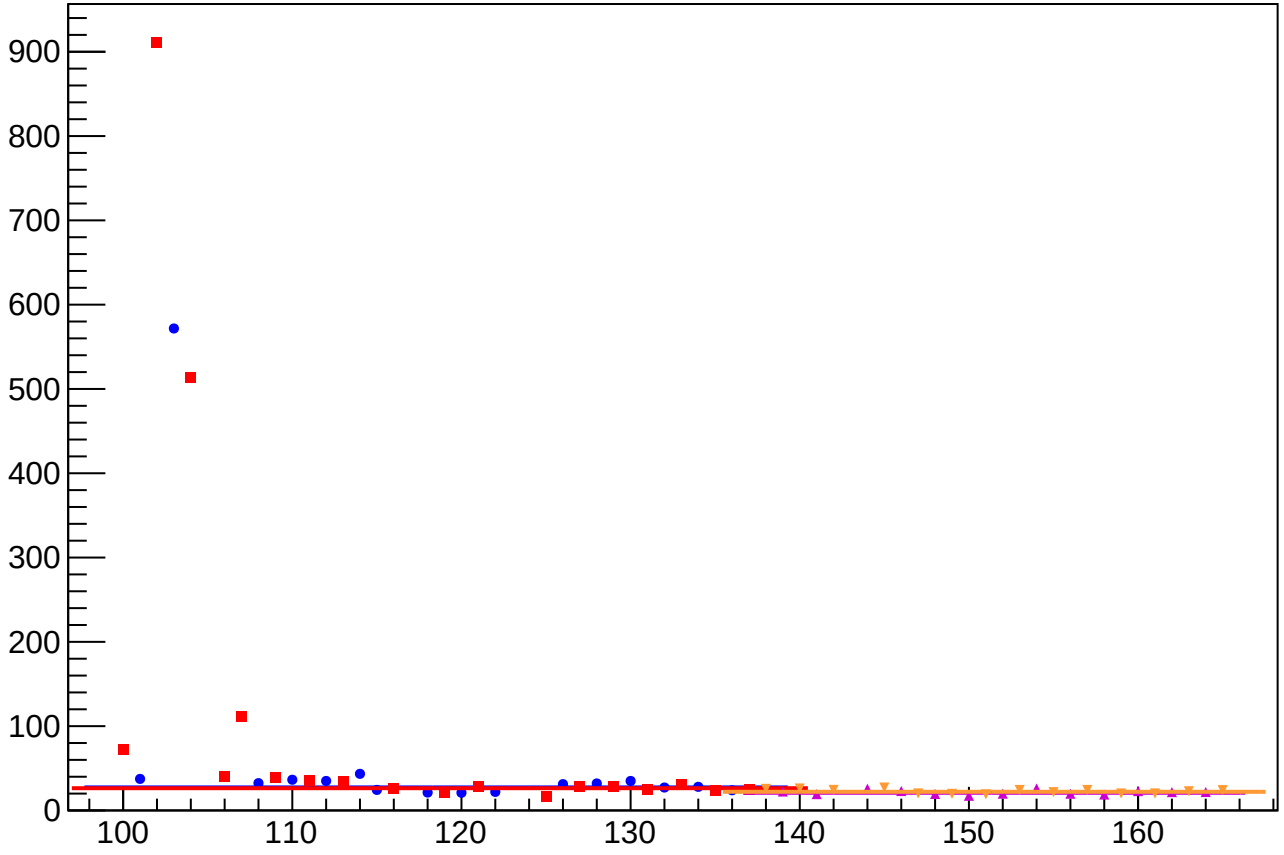
Left In: 0.005+/-0.007 χ^2/NDF:12.4/12

+ sign -0.003+/-0.006 χ^2/NDF: 25.5/29

All: 0.000+/-0.004 χ^2/NDF: 48.5/60

- sign 0.003+/-0.006 χ^2/NDF: 22.6/30

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: 22.140+/-0.005 χ^2/NDF:241776.3/13

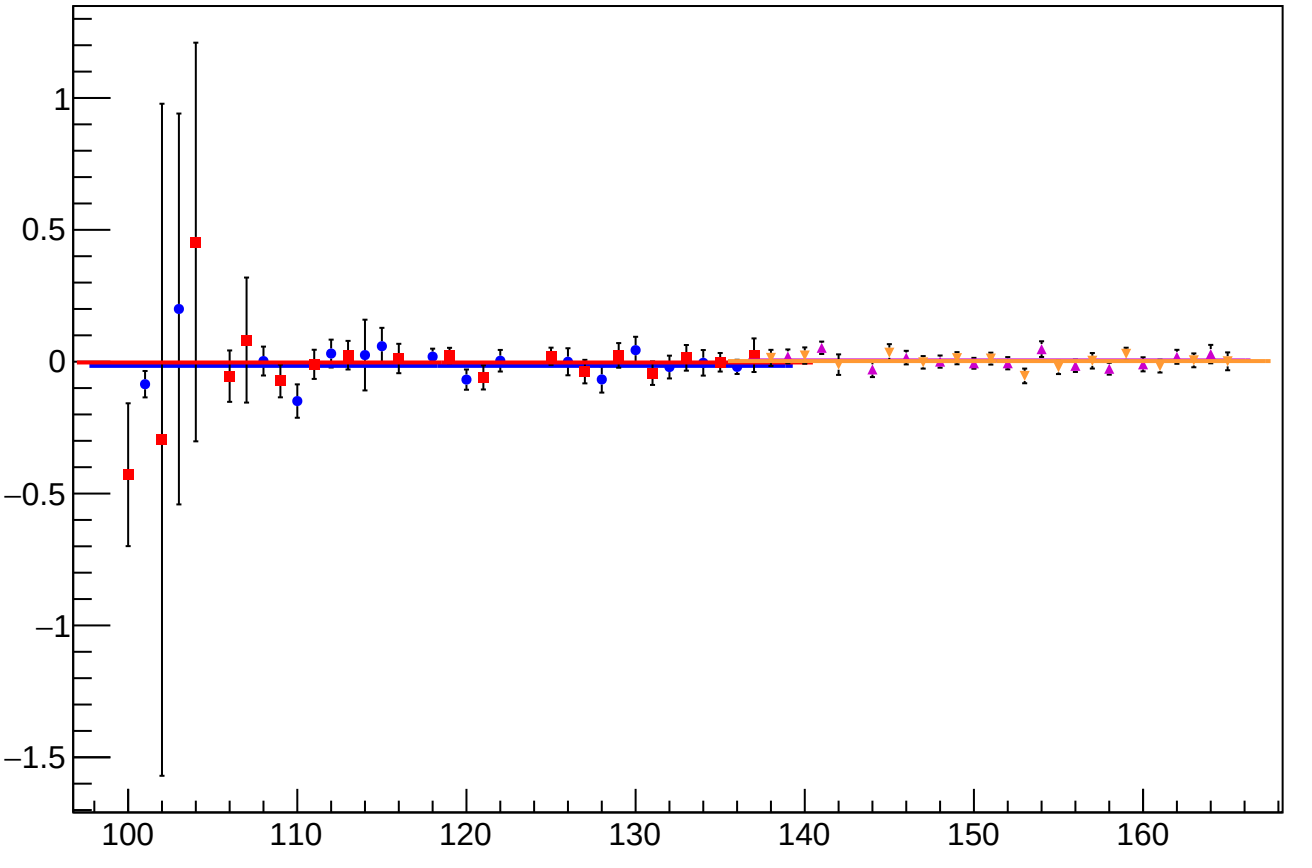
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250270.9/12

+ sign 23.591+/-0.004 χ^2/NDF: 2097191.3/29

All: 22.949+/-0.003 χ^2/NDF: 5312303.7/60

- sign 22.326+/-0.004 χ^2/NDF: 3171818.5/30



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/13

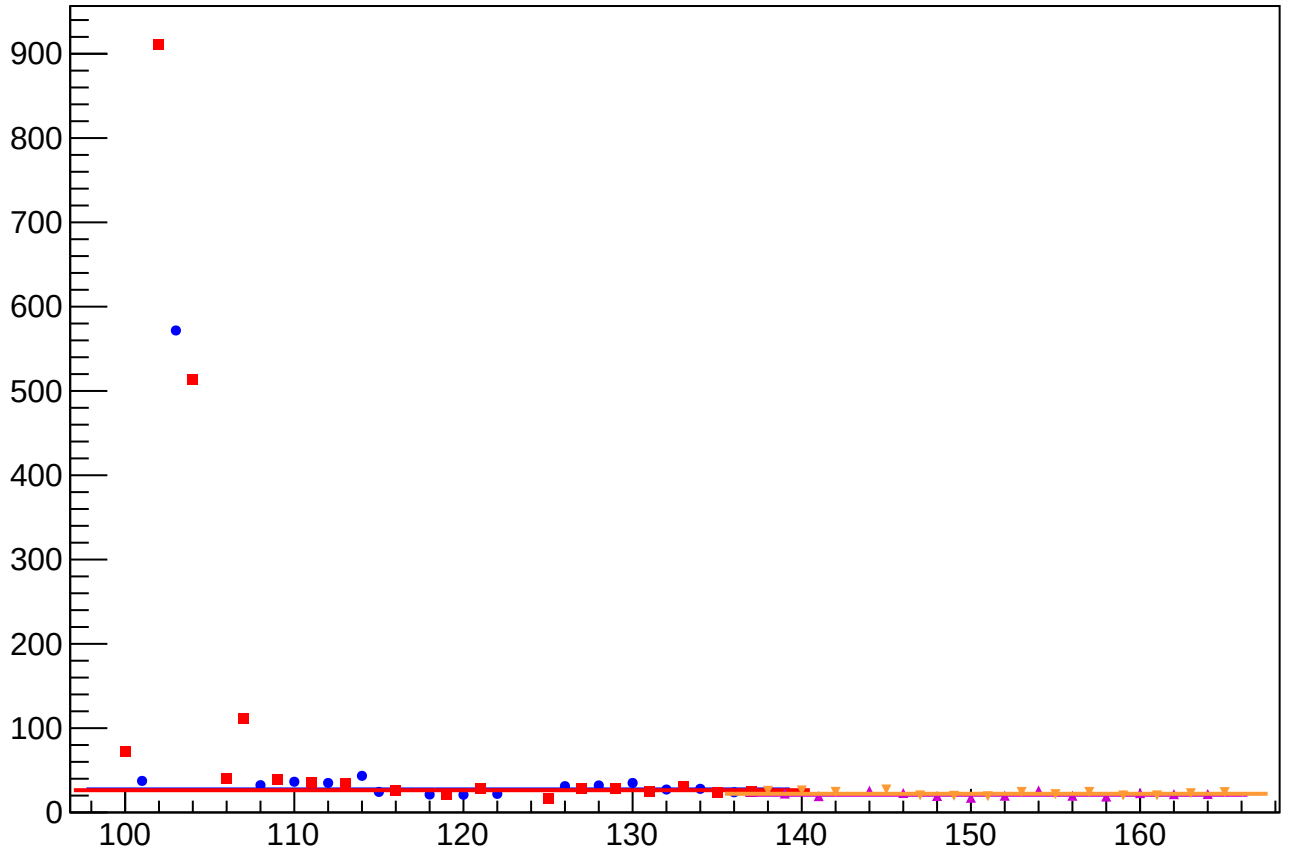
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.005+/-0.007 χ^2/NDF:12.4/12

+ sign -0.003+/-0.006 χ^2/NDF: 25.5/29

All: 0.000+/-0.004 χ^2/NDF: 48.5/60

- sign 0.003+/-0.006 χ^2/NDF: 22.6/30



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.140+/-0.005 χ^2/NDF:241776.3/13

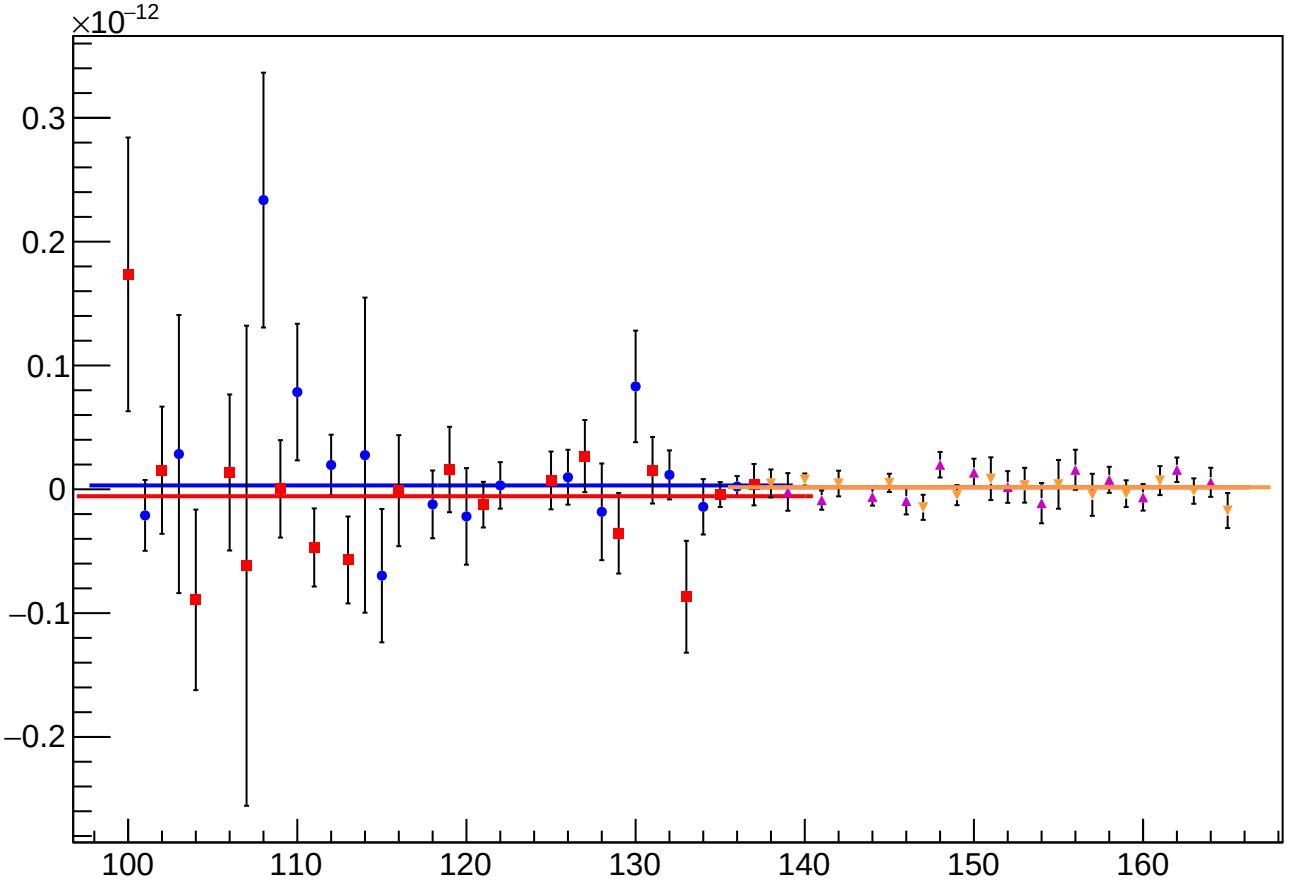
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250270.9/12

+ sign 23.591+/-0.004 χ^2/NDF: 2097191.3/29

All: 22.949+/-0.003 χ^2/NDF: 5312303.7/60

- sign 22.326+/-0.004 χ^2/NDF: 3171818.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/13

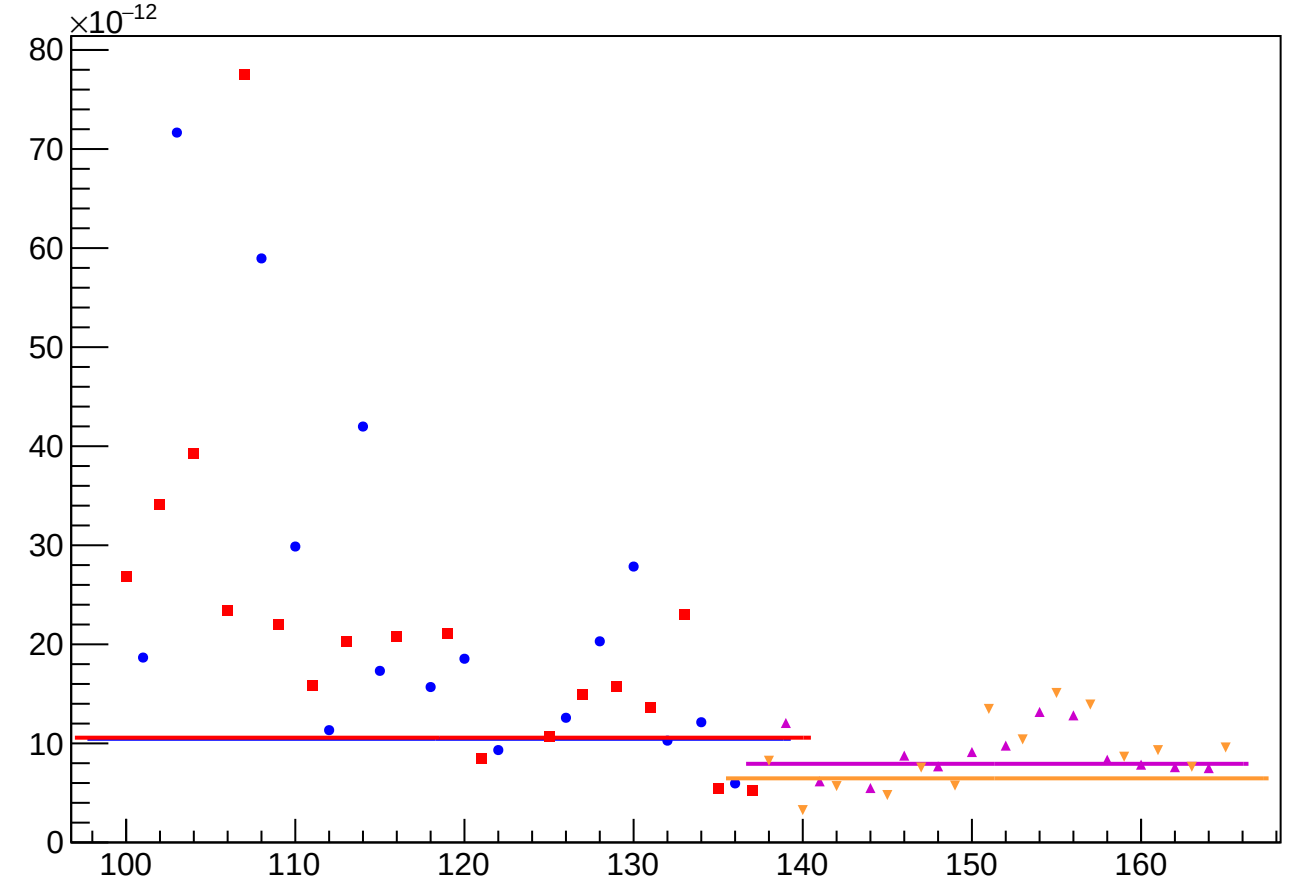
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:12.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 22.9/29

All: 0.000+/-0.000 χ^2/NDF: 52.2/60

- sign 0.000+/-0.000 χ^2/NDF: 29.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2631815.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

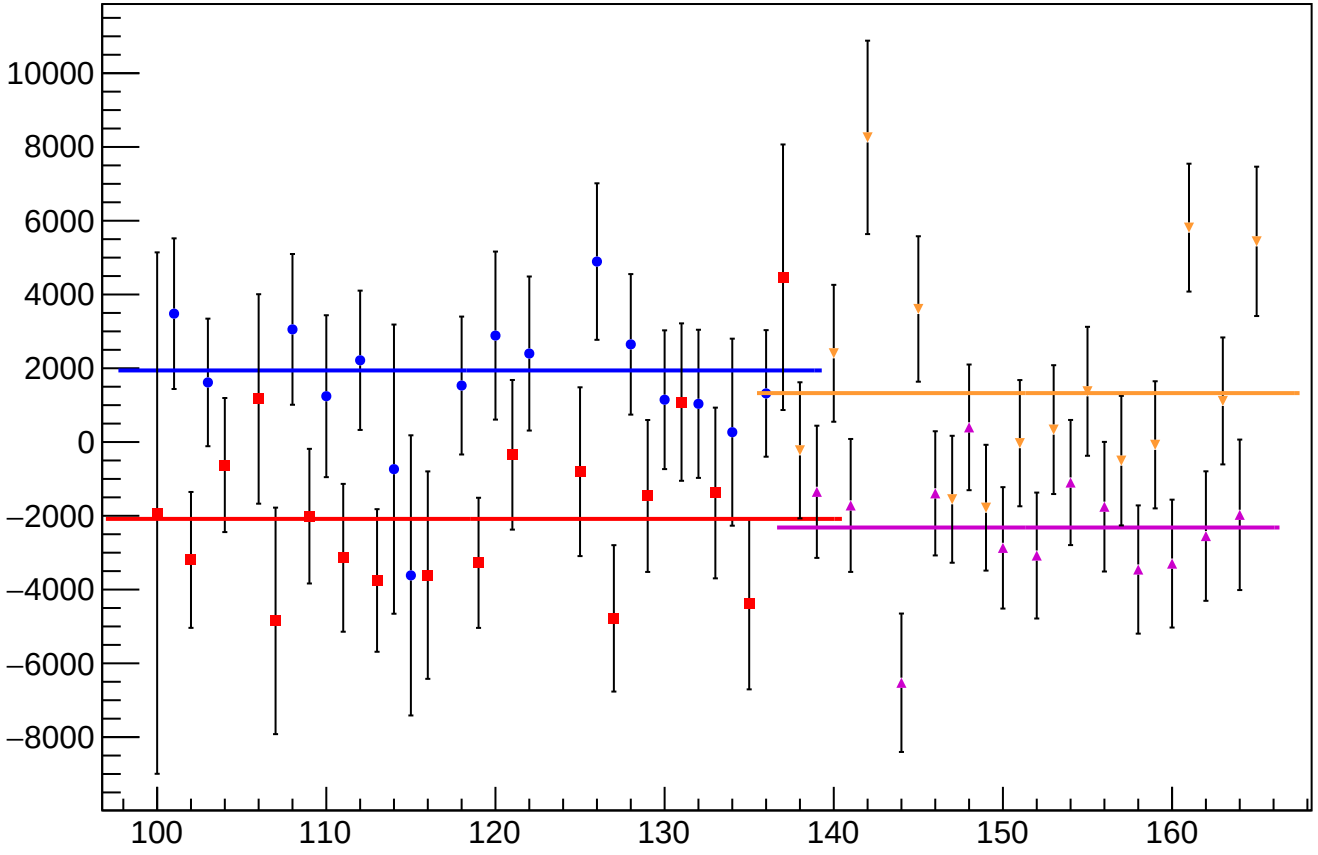
Left In: 0.000+/-0.000 χ^2/NDF:963841.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 6228226.0/29

All: 0.000+/-0.000 χ^2/NDF: 10528029.8/60

- sign 0.000+/-0.000 χ^2/NDF: 4039755.5/30

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1326.493+/-485.656 χ^2/NDF:29.0/13

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

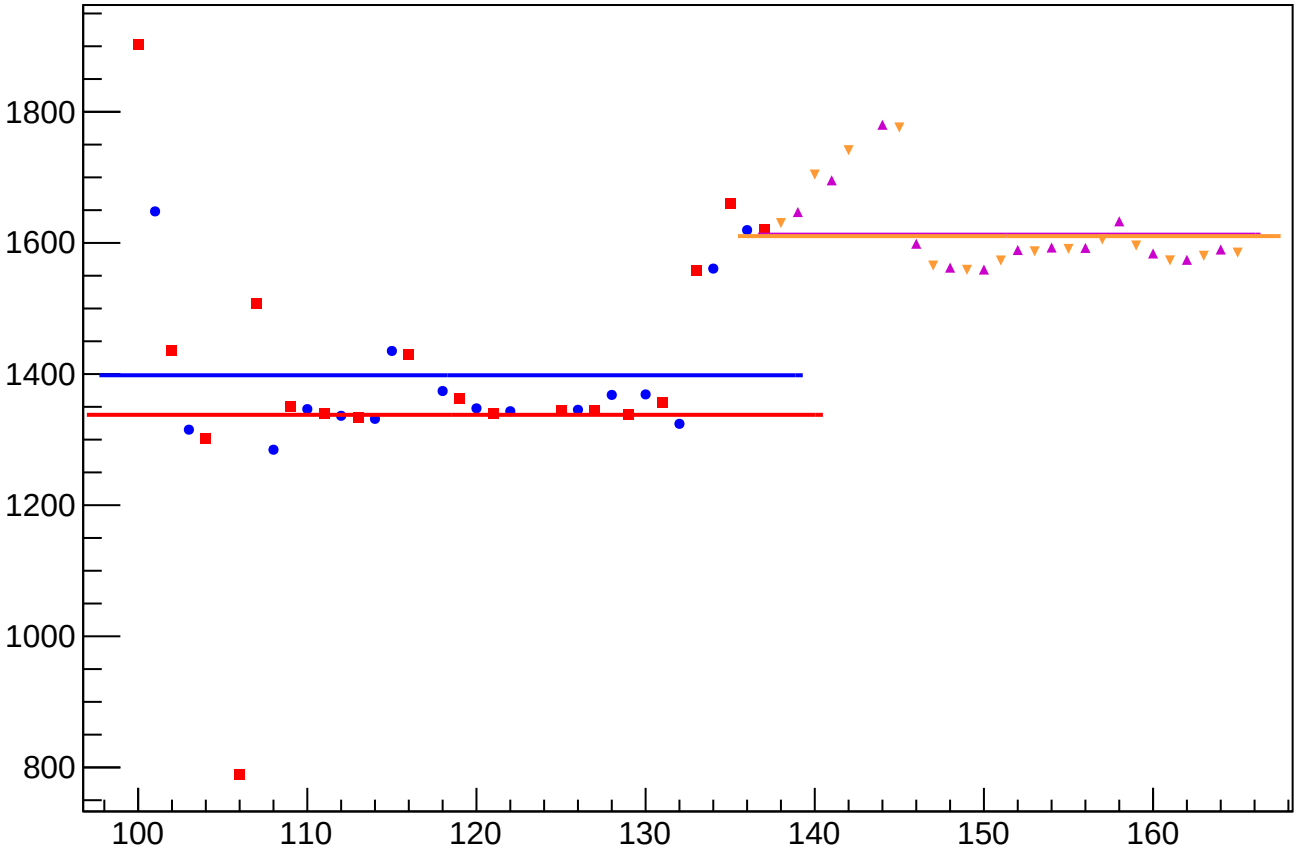
Left In: -2317.480+/-487.224 χ^2/NDF:10.0/12

+ sign 1611.498+/-355.621 χ^2/NDF: 36.7/29

All: -299.496+/-251.387 χ^2/NDF: 119.0/60

- sign -2208.214+/-355.409 χ^2/NDF: 24.6/30

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1610.420+/-0.343 χ^2/NDF:31184.0/13

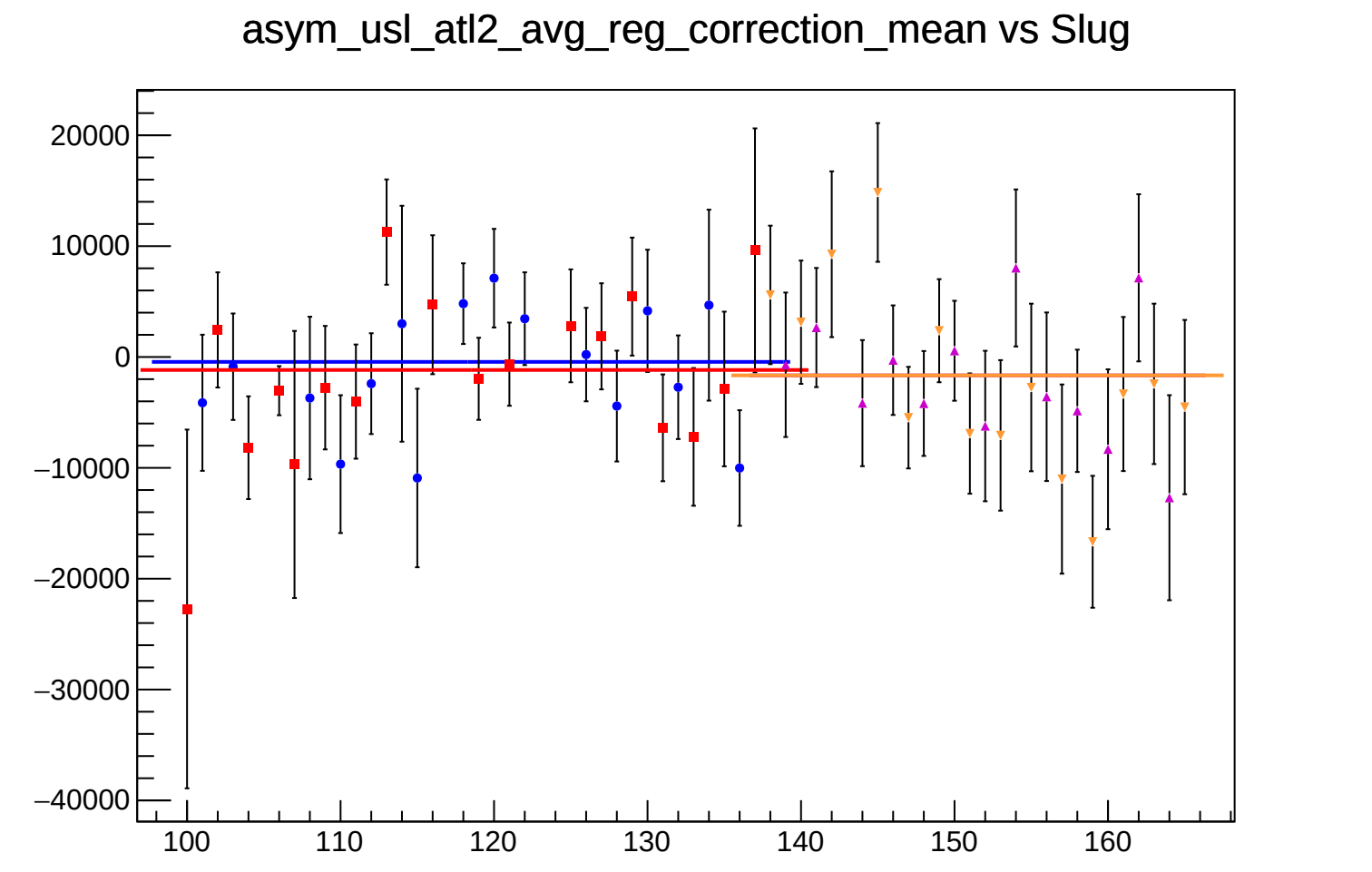
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

+ sign 1511.971+/-0.251 χ^2/NDF: 302300.5/29

All: 1495.578+/-0.176 χ^2/NDF: 964068.2/60

- sign 1479.693+/-0.248 χ^2/NDF: 653399.7/30



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1657.344+/-1651.903 χ^2/NDF:22.0/13

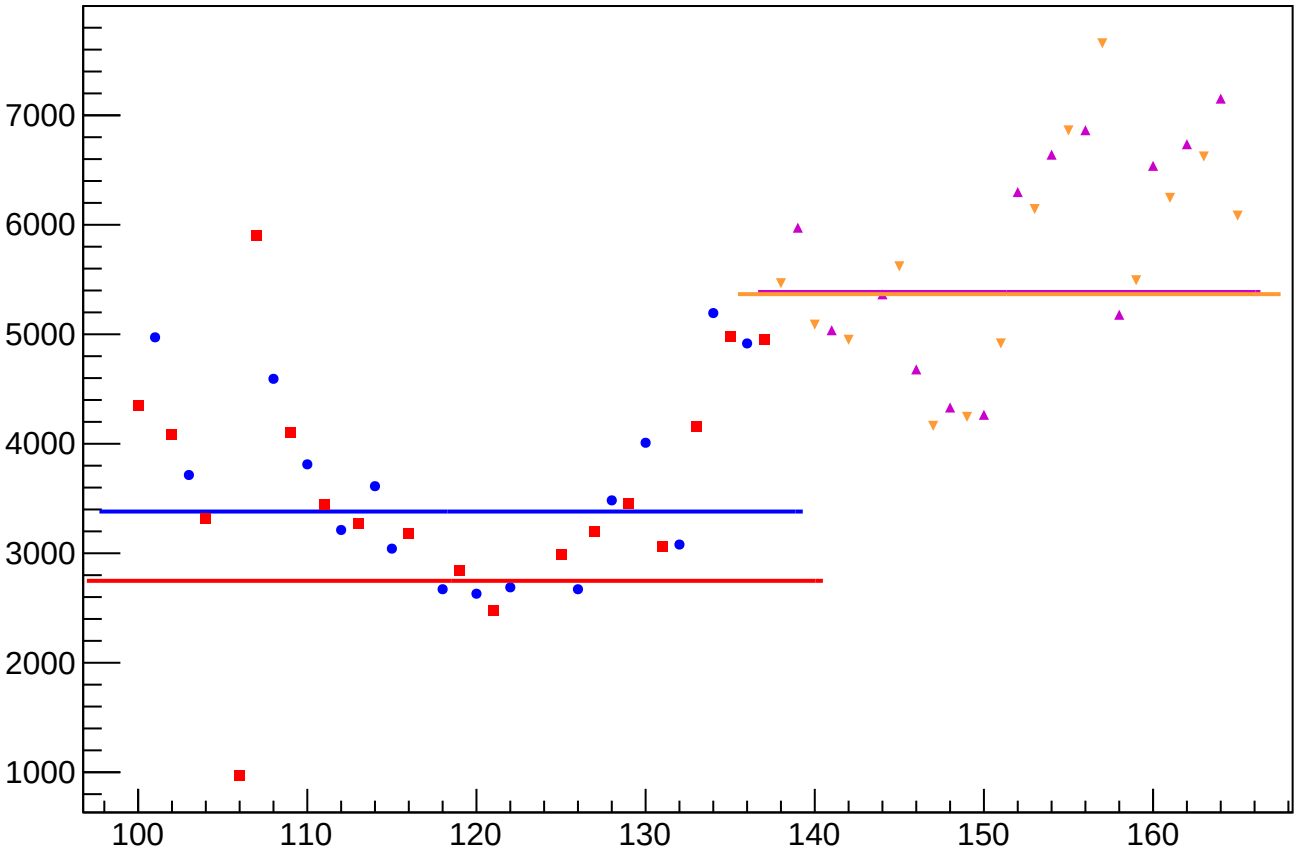
Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: -1659.168+/-1656.846 χ^2/NDF:7.8/12

+ sign -904.479+/-1019.604 χ^2/NDF: 38.2/29

All: -1134.221+/-686.229 χ^2/NDF: 65.9/60

- sign -1324.463+/-927.825 χ^2/NDF: 27.6/30



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5366.671+/-1.168 χ^2/NDF:641589.2/13

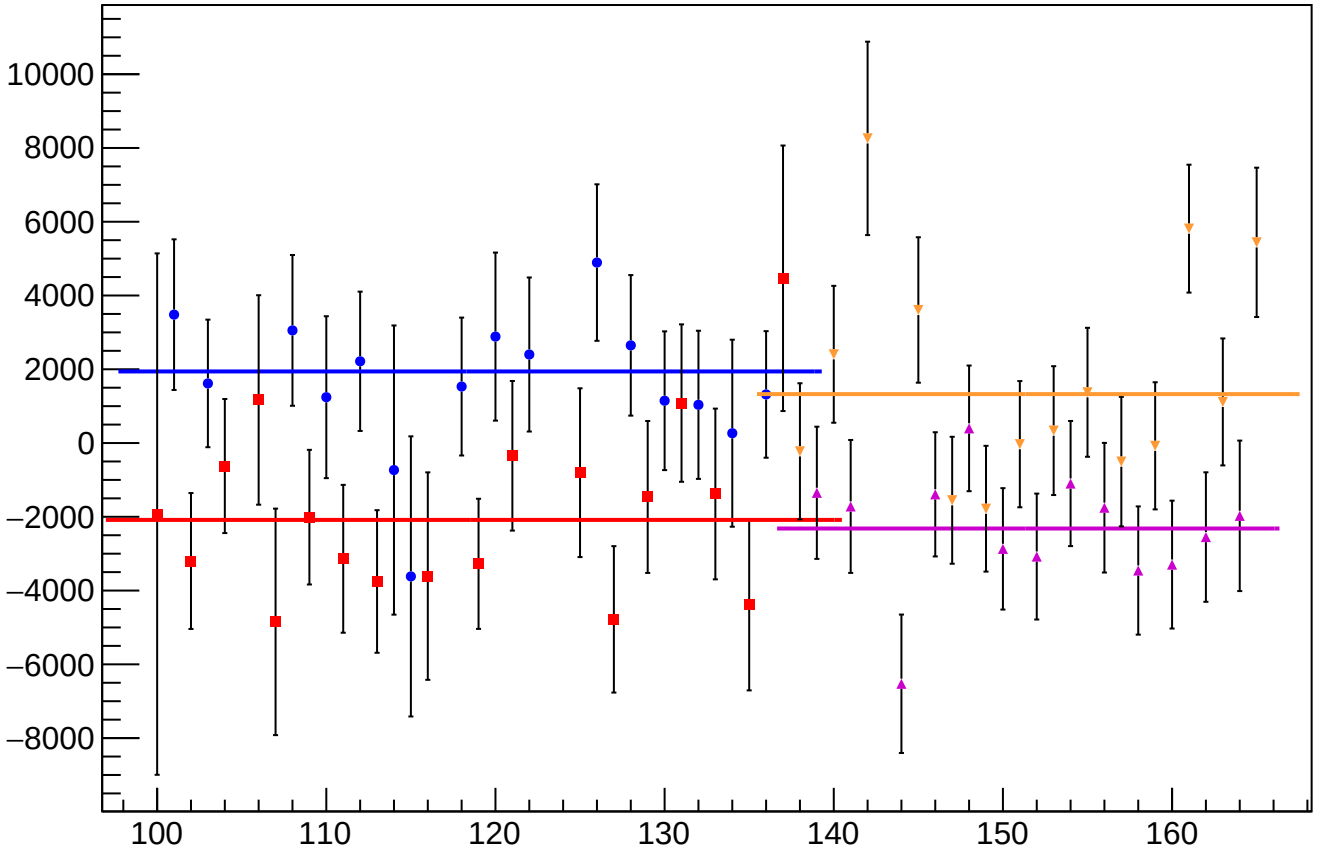
Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5386.174+/-1.172 χ^2/NDF:654312.8/12

+ sign 4137.560+/-0.721 χ^2/NDF: 3187420.8/29

All: 3830.138+/-0.485 χ^2/NDF: 9918287.8/60

- sign 3575.570+/-0.656 χ^2/NDF: 6398490.5/30



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1326.559+/-485.656 χ^2/NDF:29.0/13

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

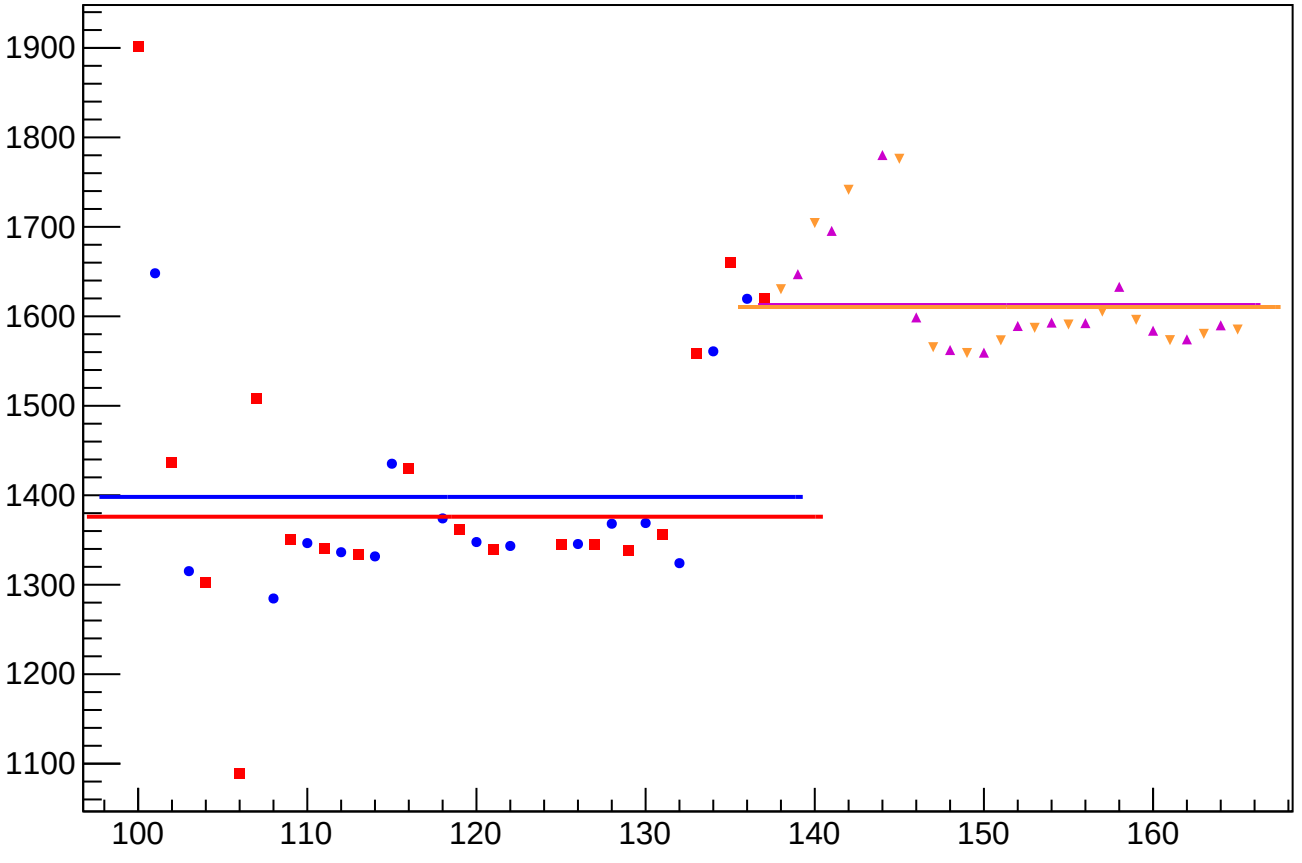
Left In: -2317.602+/-487.224 χ^2/NDF:10.0/12

+ sign 1611.560+/-355.621 χ^2/NDF: 36.7/29

All: -299.543+/-251.387 χ^2/NDF: 119.0/60

- sign -2208.380+/-355.410 χ^2/NDF: 24.6/30

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1610.420+/-0.343 χ^2/NDF:31184.0/13

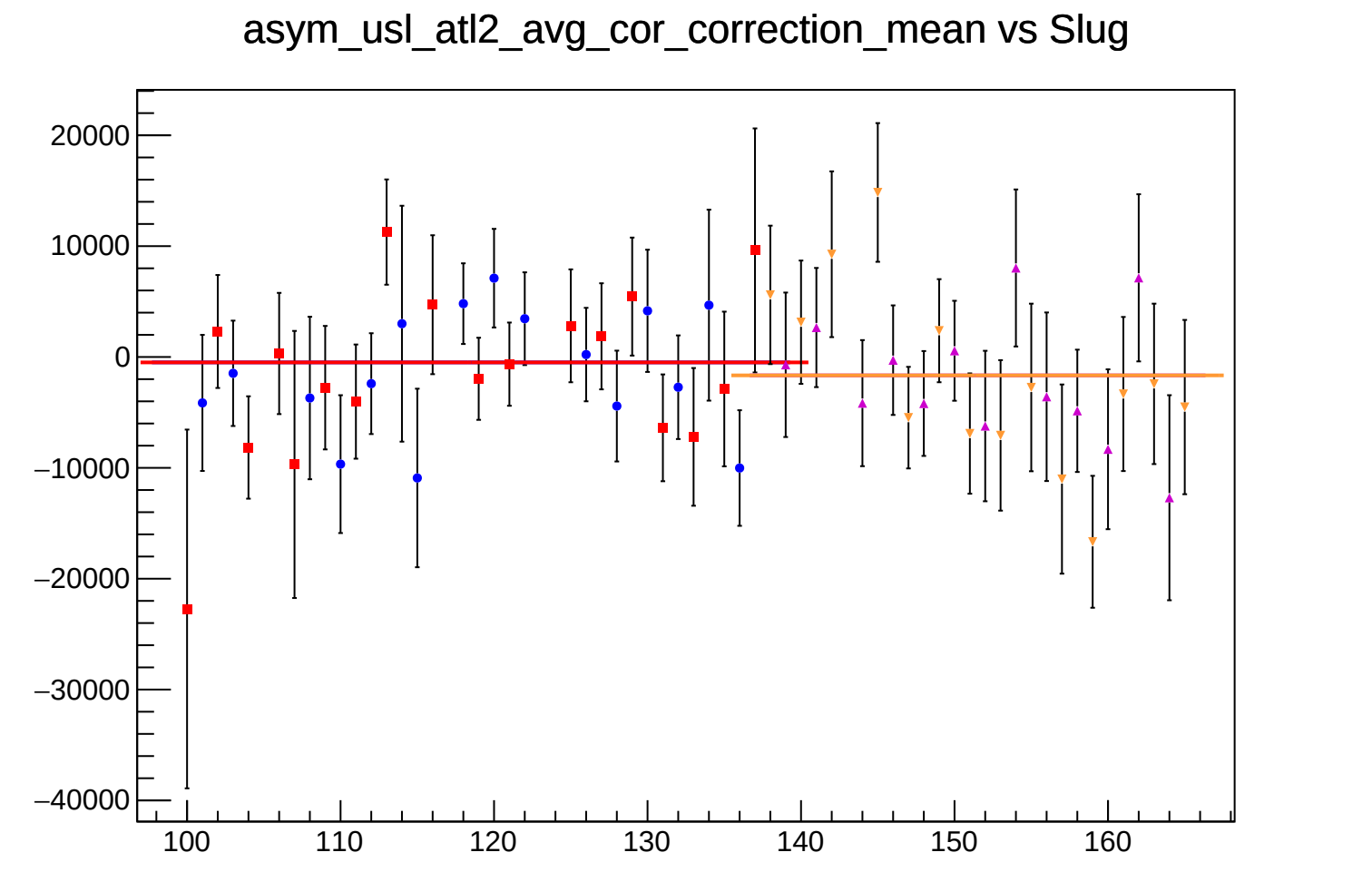
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

\+ sign 1511.971+/-0.251 χ^2/NDF: 302300.6/29

All: 1506.119+/-0.177 χ^2/NDF: 669085.4/60

\- sign 1500.347+/-0.250 χ^2/NDF: 365709.0/30



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1657.372+/-1651.903 χ^2/NDF:22.0/13

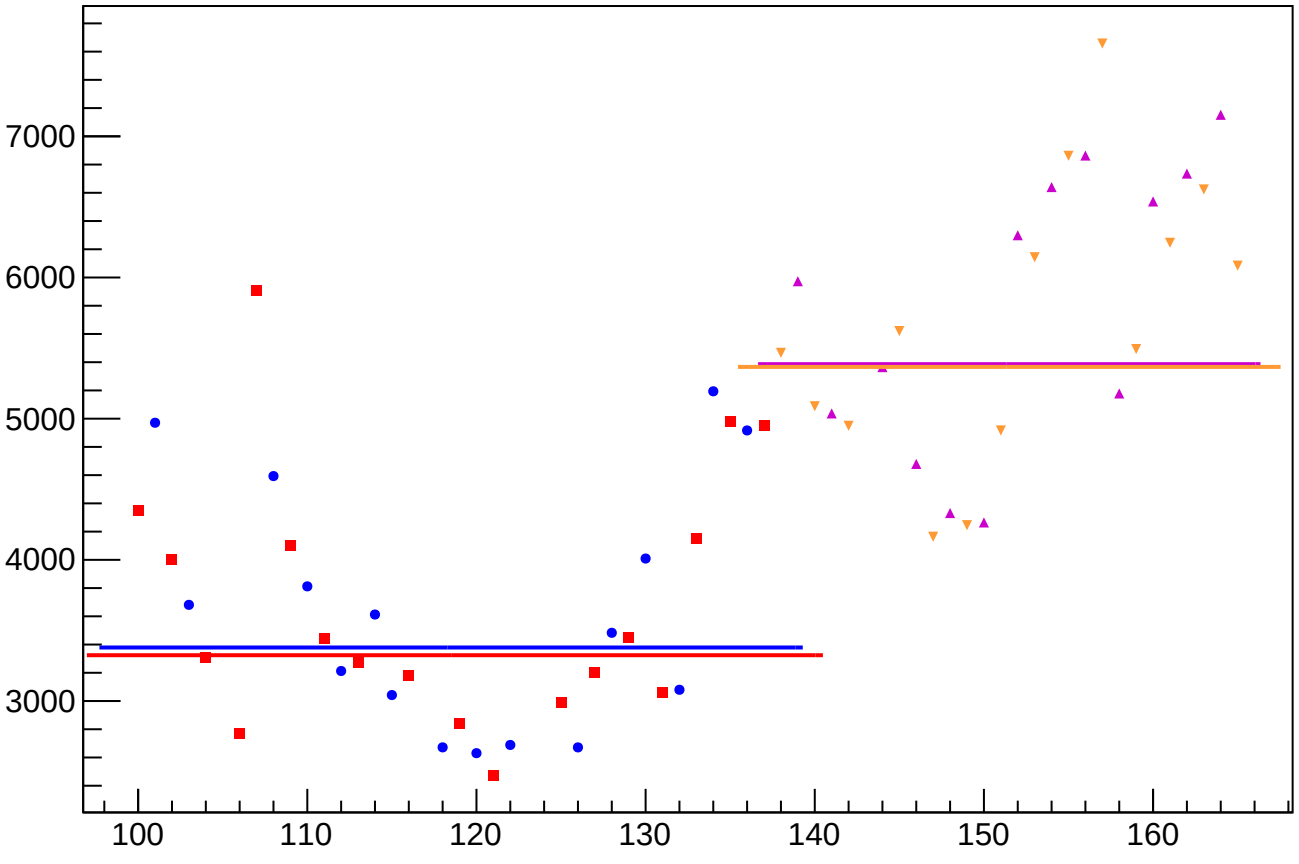
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1659.285+/-1656.845 χ^2/NDF:7.8/12

+ sign -932.189+/-1019.124 χ^2/NDF: 38.2/29

All: -925.049+/-715.076 χ^2/NDF: 65.1/60

- sign -918.126+/-1003.595 χ^2/NDF: 26.9/30



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5366.672+/-1.168 χ^2/NDF:641586.0/13

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

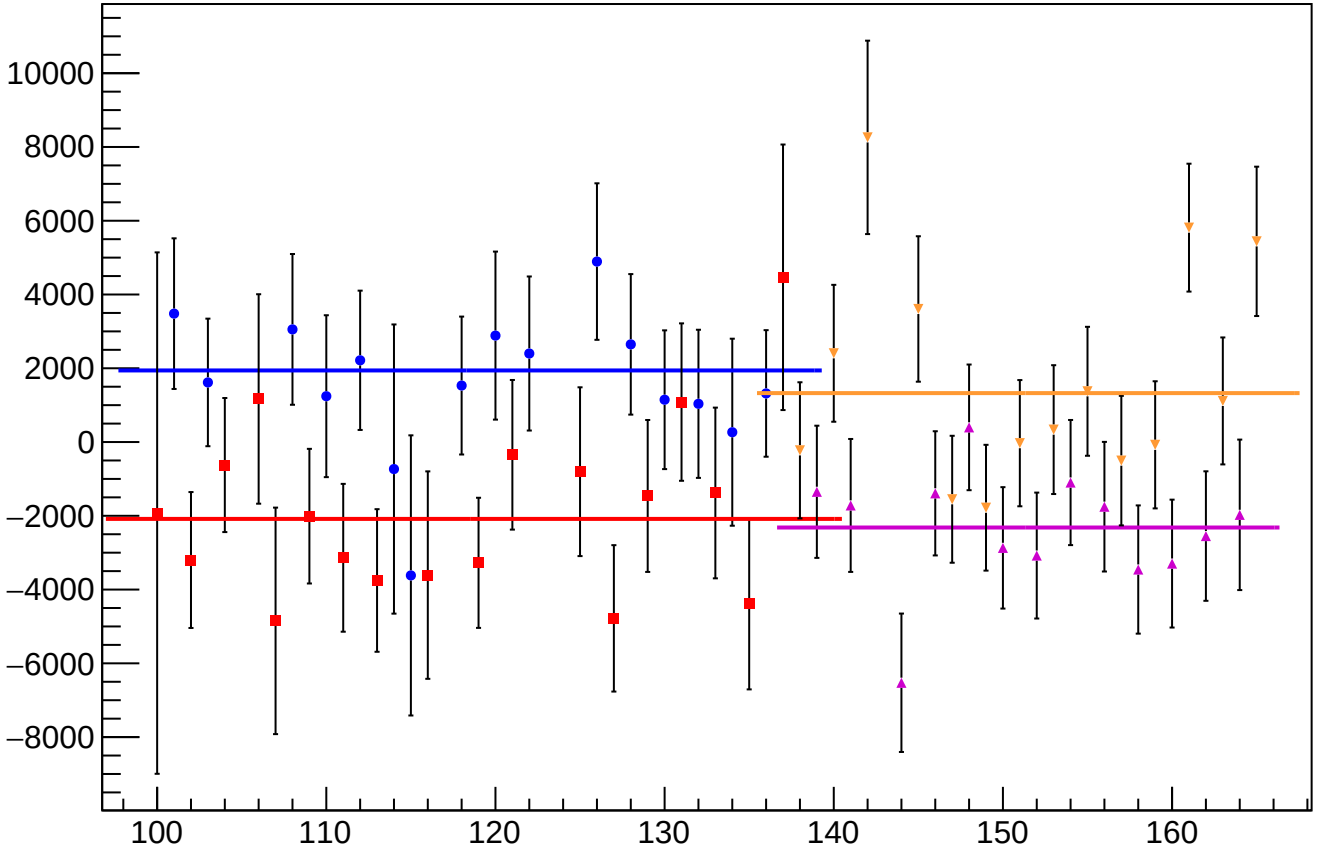
Left In: 5386.170+/-1.172 χ^2/NDF:654321.1/12

+ sign 4135.604+/-0.721 χ^2/NDF: 3190269.4/29

All: 4107.834+/-0.506 χ^2/NDF: 6351955.6/60

- sign 4080.903+/-0.710 χ^2/NDF: 3158761.0/30

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1326.559+/-485.656 χ^2/NDF:29.0/13

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

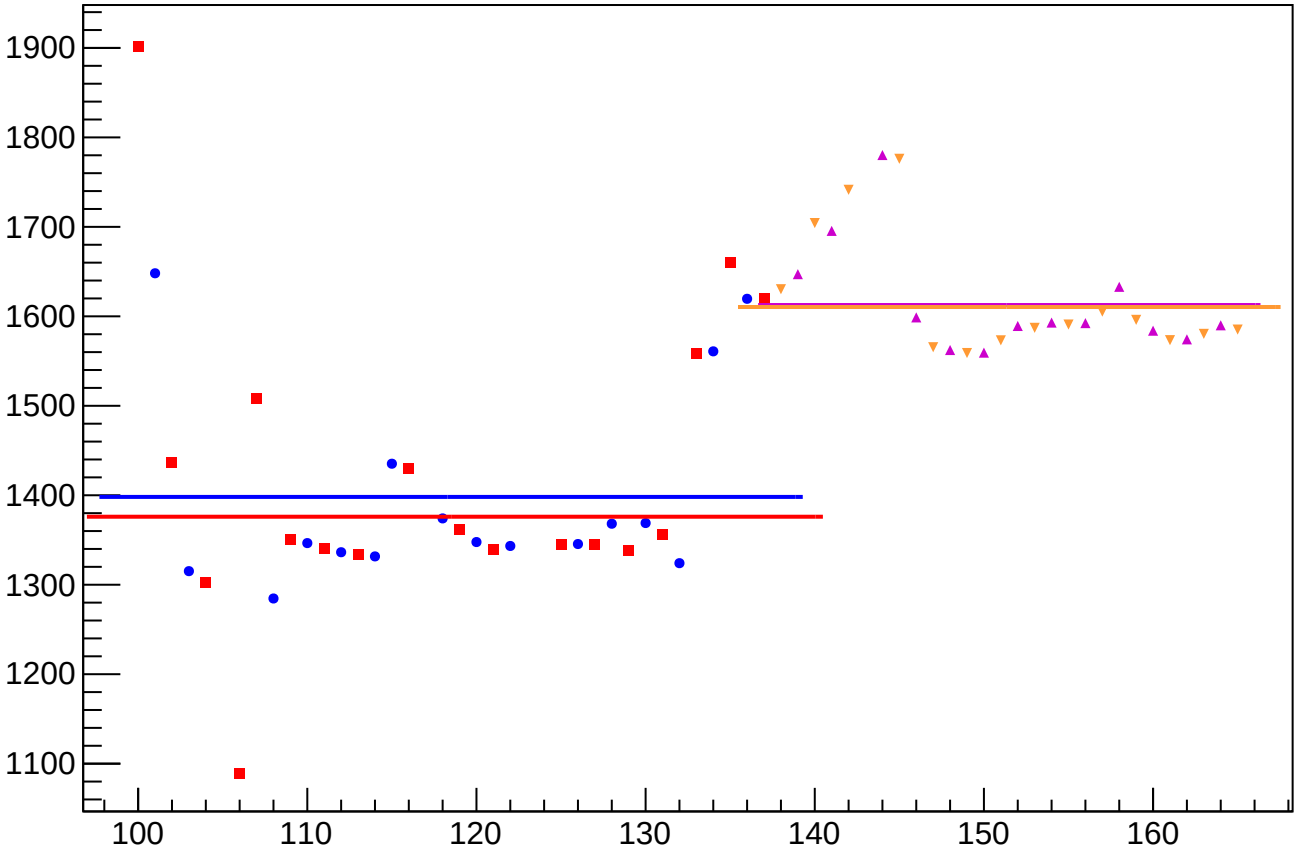
Left In: -2317.602+/-487.224 χ^2/NDF:10.0/12

+ sign 1611.560+/-355.621 χ^2/NDF: 36.7/29

All: -299.543+/-251.387 χ^2/NDF: 119.0/60

- sign -2208.380+/-355.410 χ^2/NDF: 24.6/30

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1610.420+/-0.343 χ^2/NDF:31184.0/13

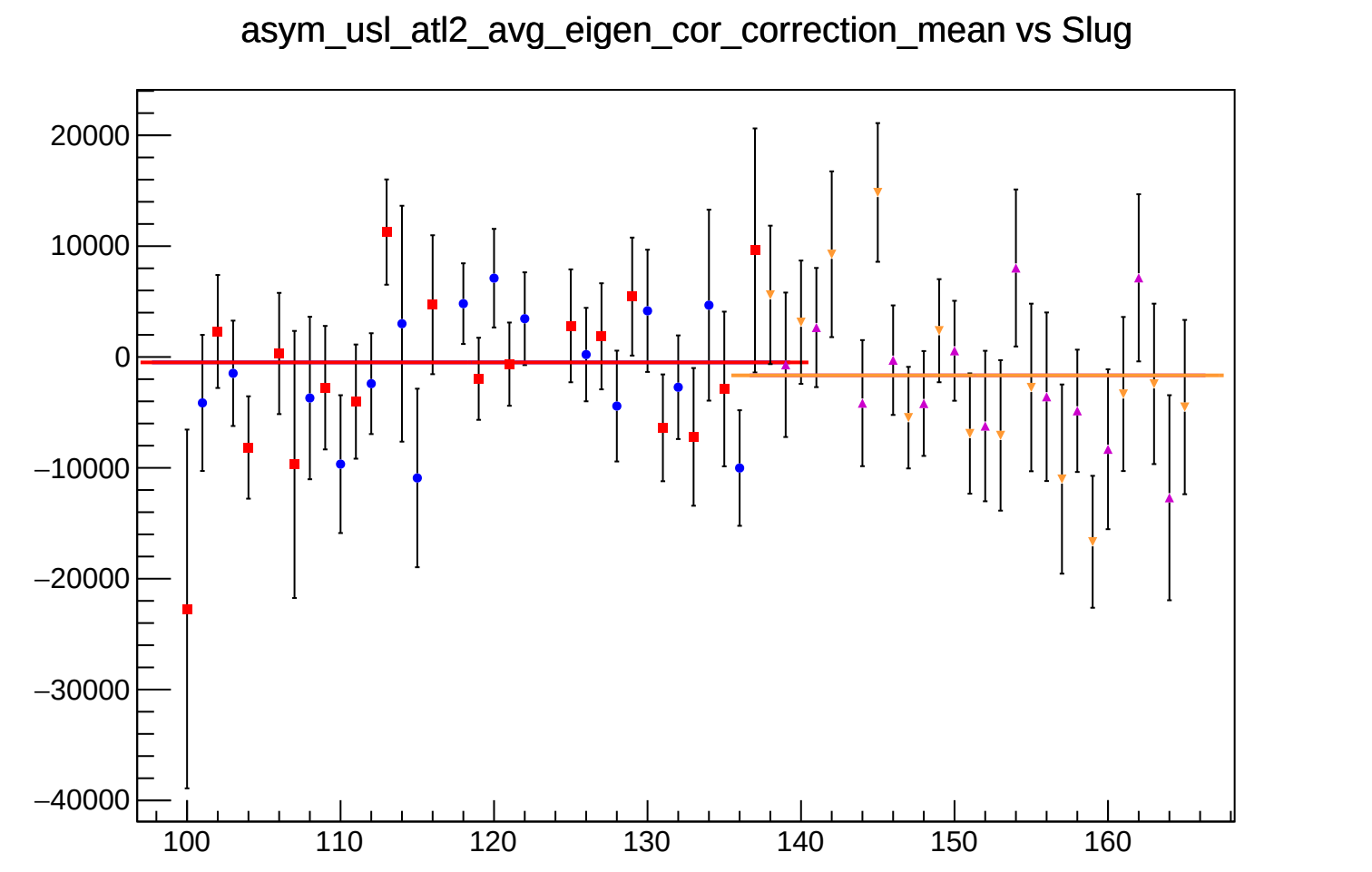
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

\+ sign 1511.971+/-0.251 χ^2/NDF: 302300.6/29

All: 1506.119+/-0.177 χ^2/NDF: 669085.4/60

\- sign 1500.347+/-0.250 χ^2/NDF: 365709.0/30



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1657.372+/-1651.903 χ^2/NDF:22.0/13

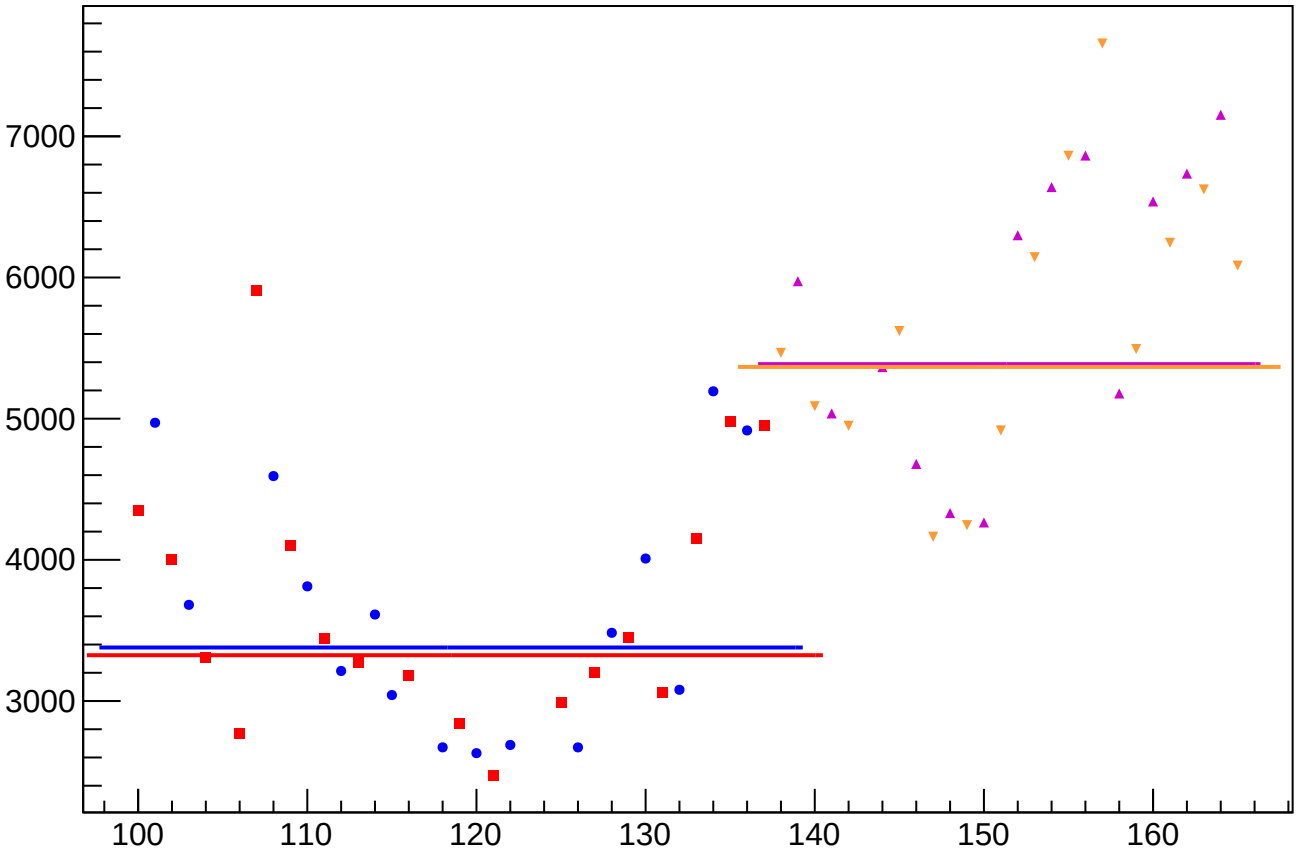
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1659.285+/-1656.845 χ^2/NDF:7.8/12

+ sign -932.189+/-1019.124 χ^2/NDF: 38.2/29

All: -925.049+/-715.076 χ^2/NDF: 65.1/60

- sign -918.126+/-1003.595 χ^2/NDF: 26.9/30



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5366.672+/-1.168 χ^2/NDF:641586.0/13

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

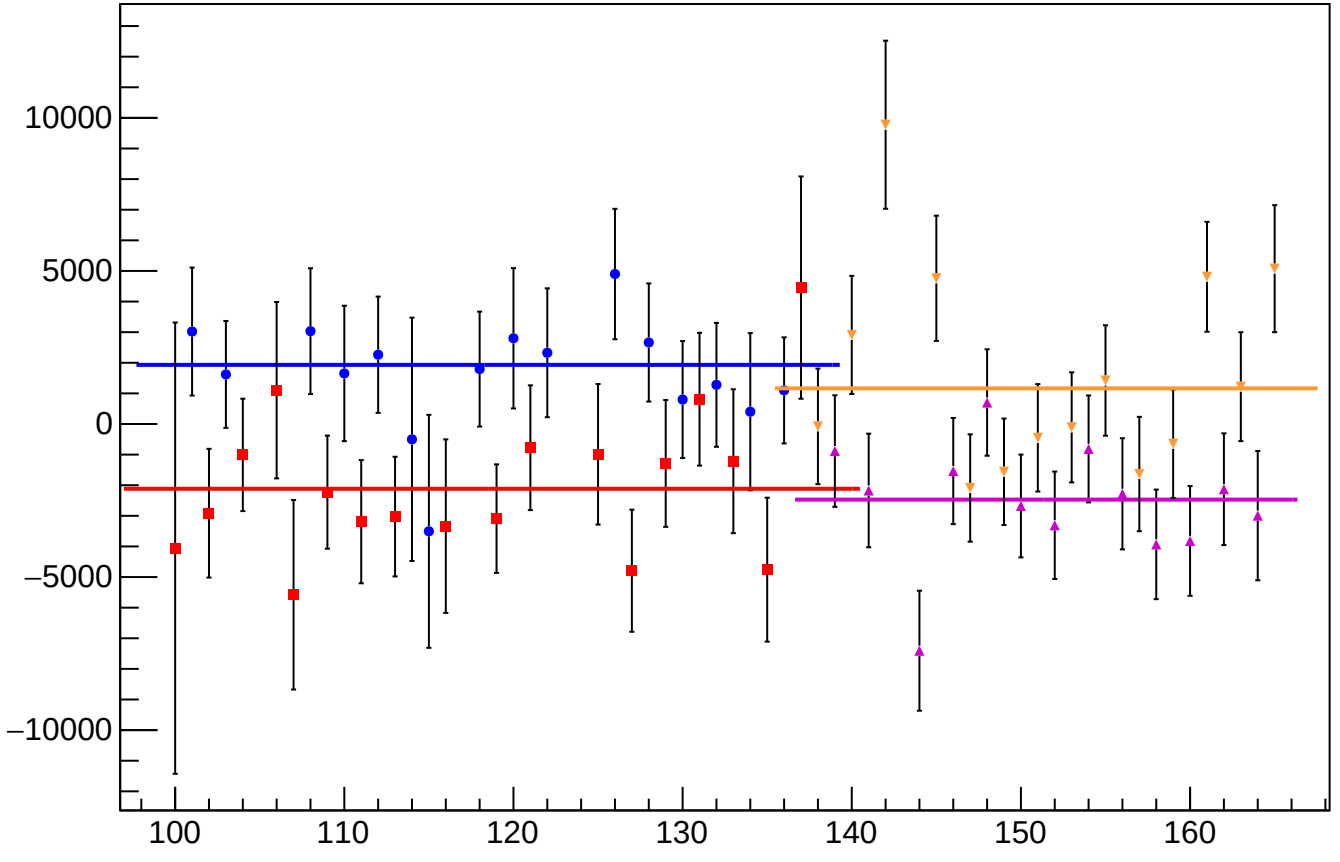
Left In: 5386.170+/-1.172 χ^2/NDF:654321.1/12

+ sign 4135.604+/-0.721 χ^2/NDF: 3190269.4/29

All: 4107.834+/-0.506 χ^2/NDF: 6351955.6/60

- sign 4080.903+/-0.710 χ^2/NDF: 3158761.0/30

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1164.108+/-501.144 χ^2/NDF:32.4/13

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

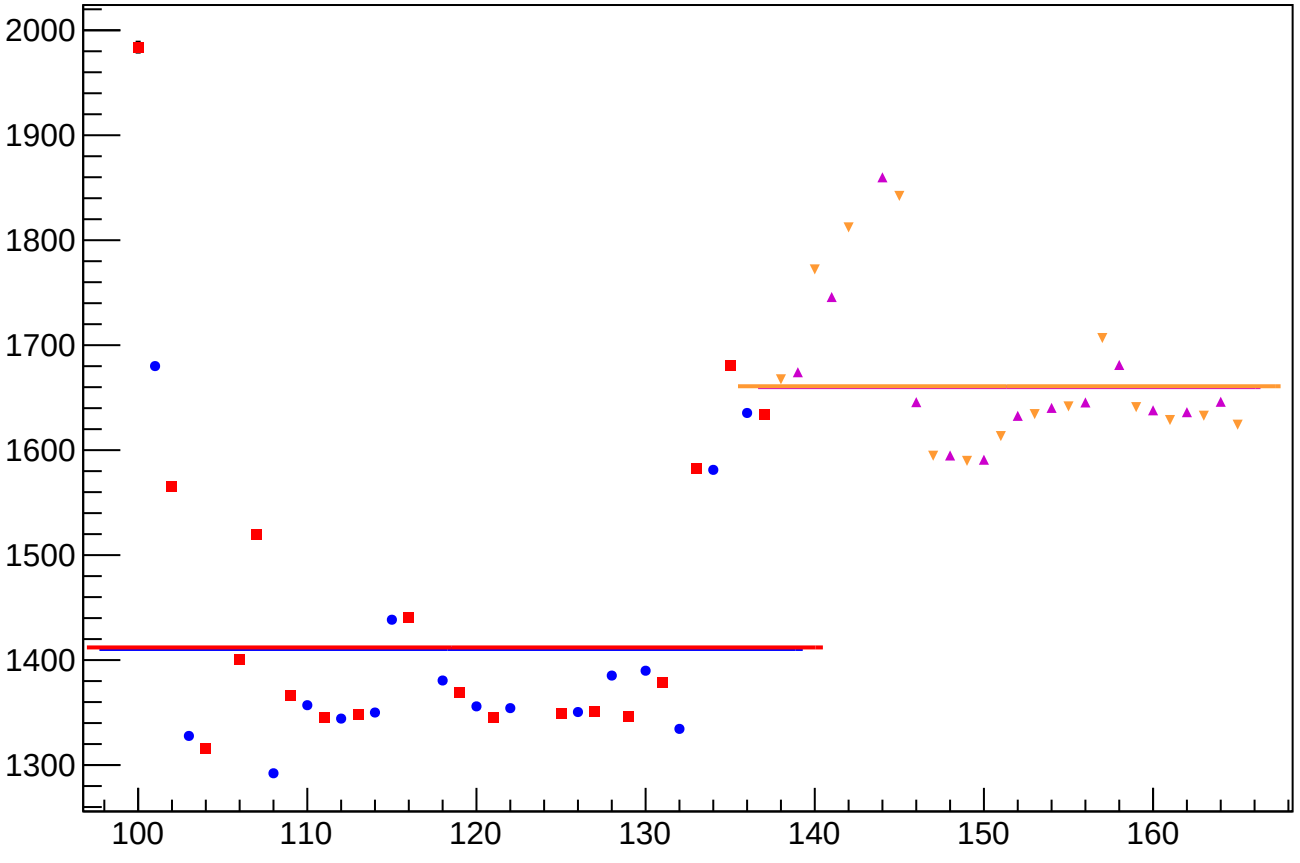
Left In: -2469.619+/-501.649 χ^2/NDF:13.2/12

+ sign 1528.436+/-363.203 χ^2/NDF: 39.9/29

All: -382.770+/-257.084 χ^2/NDF: 122.1/60

- sign -2301.739+/-363.940 χ^2/NDF: 26.7/30

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1660.868+/-0.354 χ^2/NDF:40009.6/13

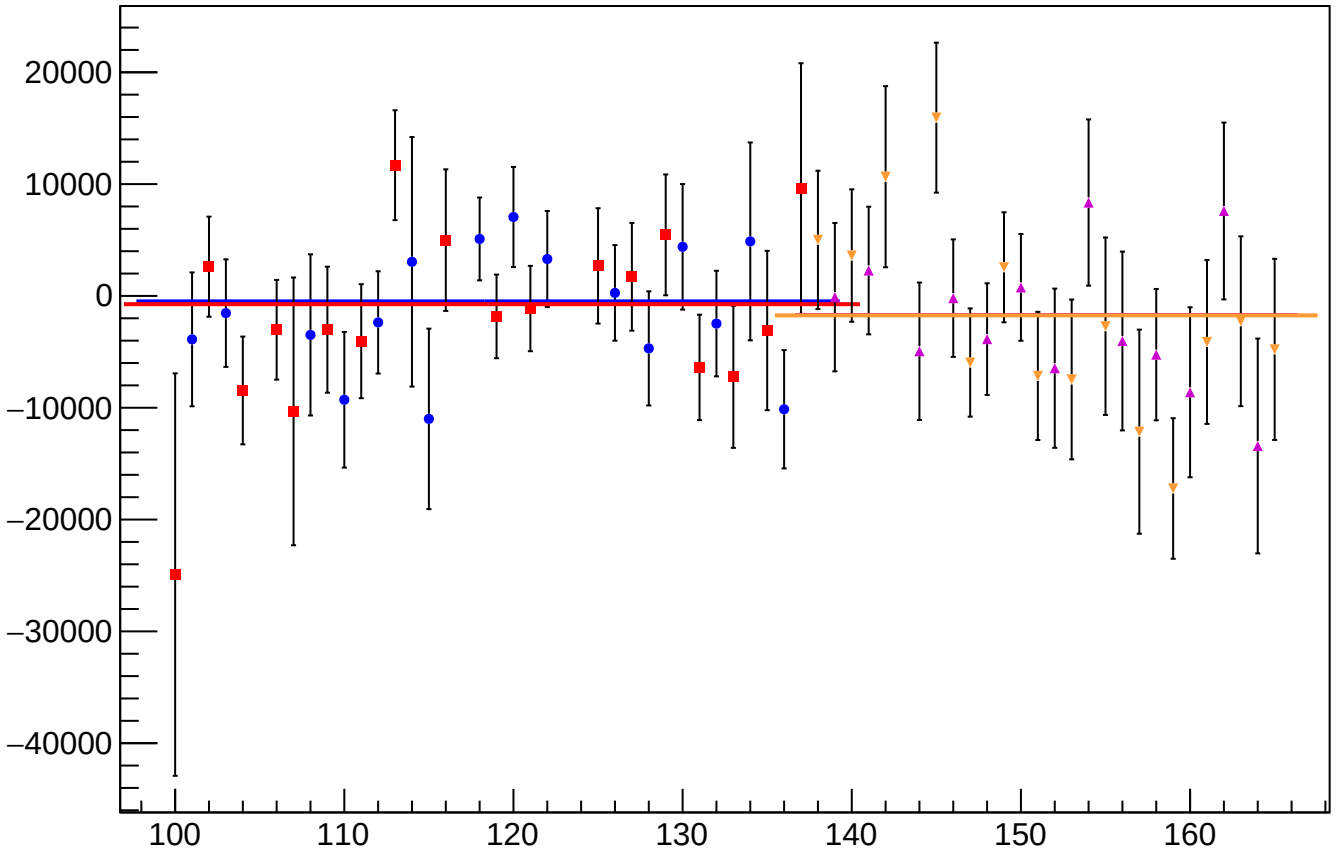
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1660.056+/-0.355 χ^2/NDF:33407.8/12

+ sign 1542.054+/-0.257 χ^2/NDF: 375963.1/29

All: 1542.153+/-0.182 χ^2/NDF: 731272.2/60

- sign 1542.252+/-0.257 χ^2/NDF: 355308.8/30



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1738.005+/-1739.270 χ^2/NDF:22.0/13

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

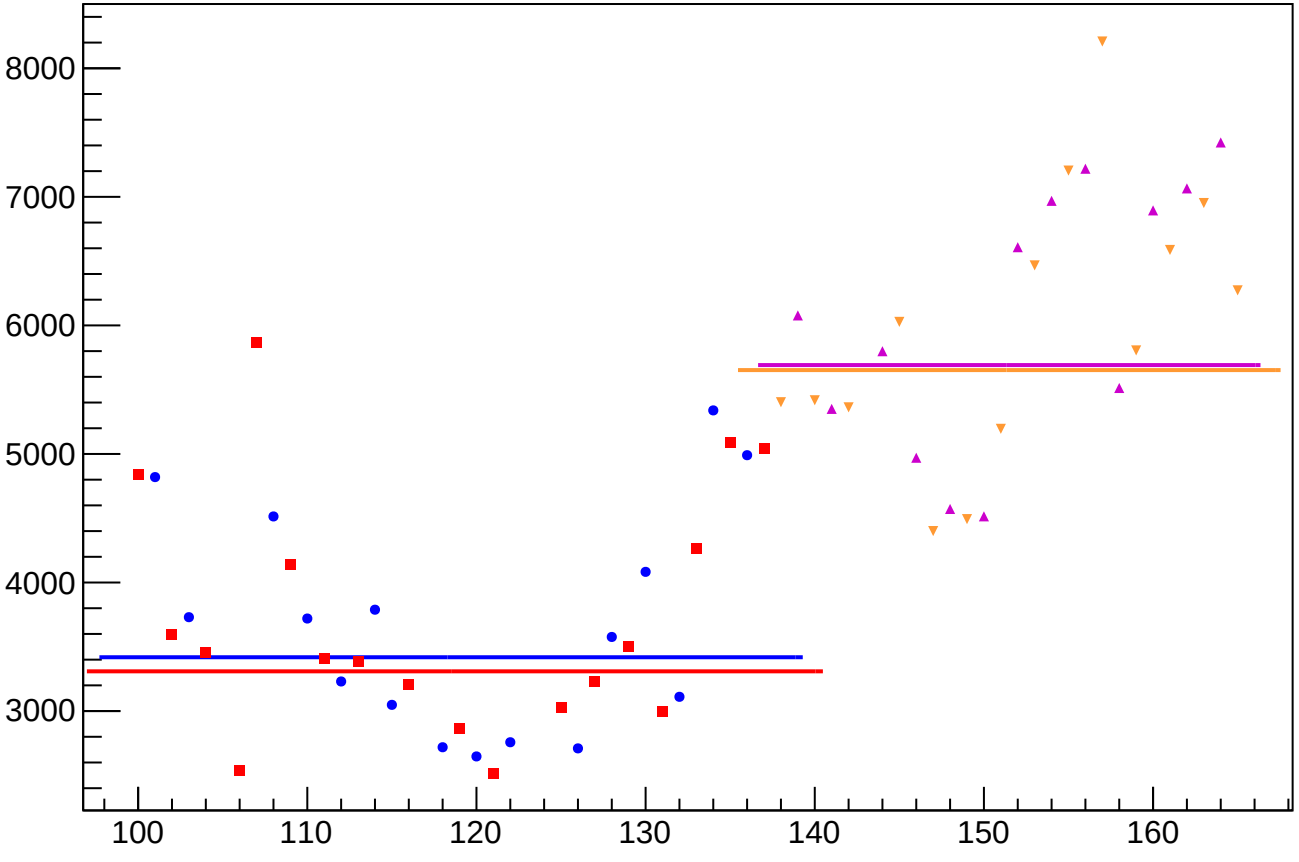
Left In: -1705.223+/-1749.391 χ^2/NDF:7.8/12

+ sign -940.768+/-1045.729 χ^2/NDF: 38.2/29

All: -1005.153+/-728.682 χ^2/NDF: 65.3/60

- sign -1065.922+/-1015.941 χ^2/NDF: 27.2/30

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5652.424+/-1.230 χ^2/NDF:636294.5/13

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

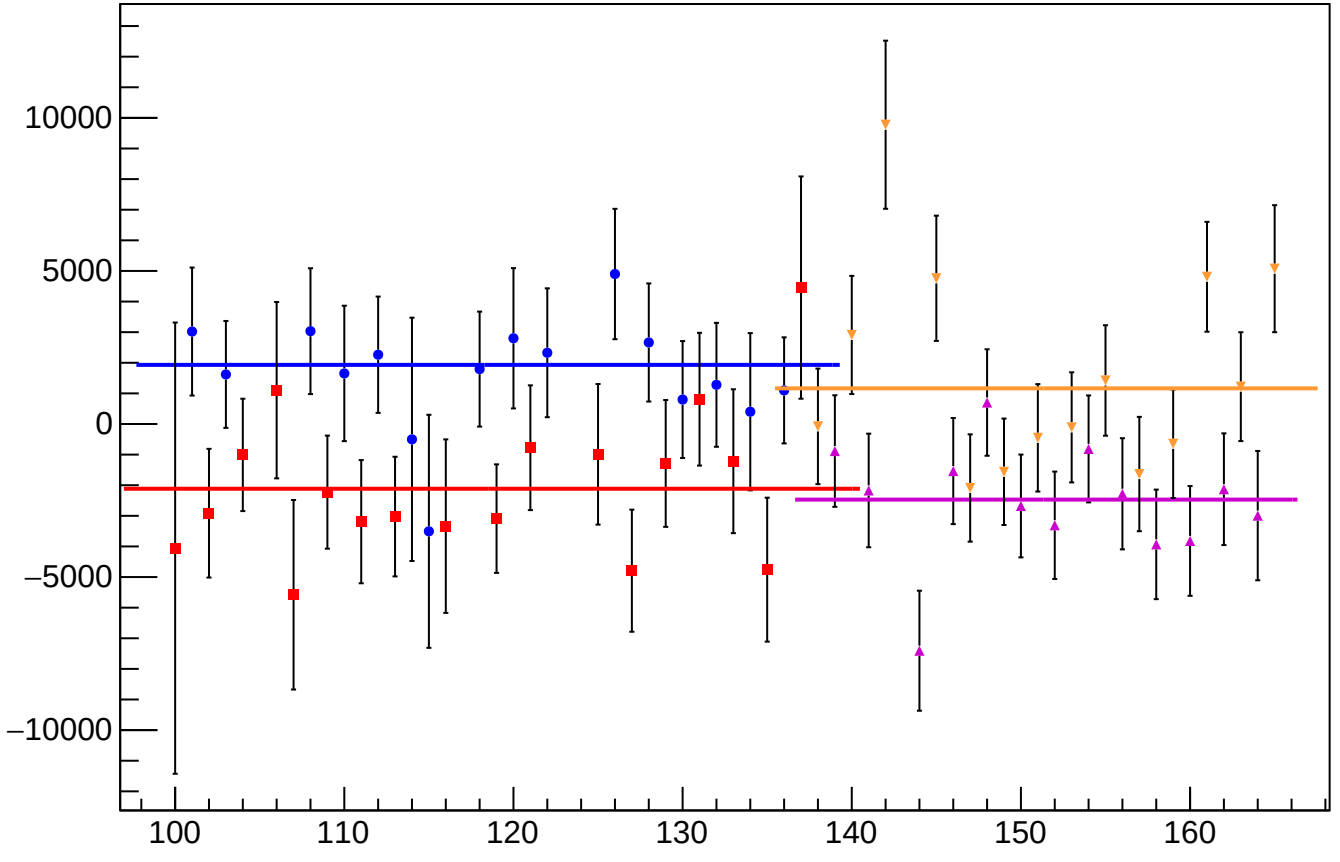
Left In: 5691.467+/-1.237 χ^2/NDF:616930.0/12

+ sign 4226.184+/-0.739 χ^2/NDF: 3463799.5/29

All: 4167.741+/-0.515 χ^2/NDF: 7122988.3/60

- sign 4112.581+/-0.718 χ^2/NDF: 3647046.3/30

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 1164.101+/-501.144 χ^2/NDF:32.4/13

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

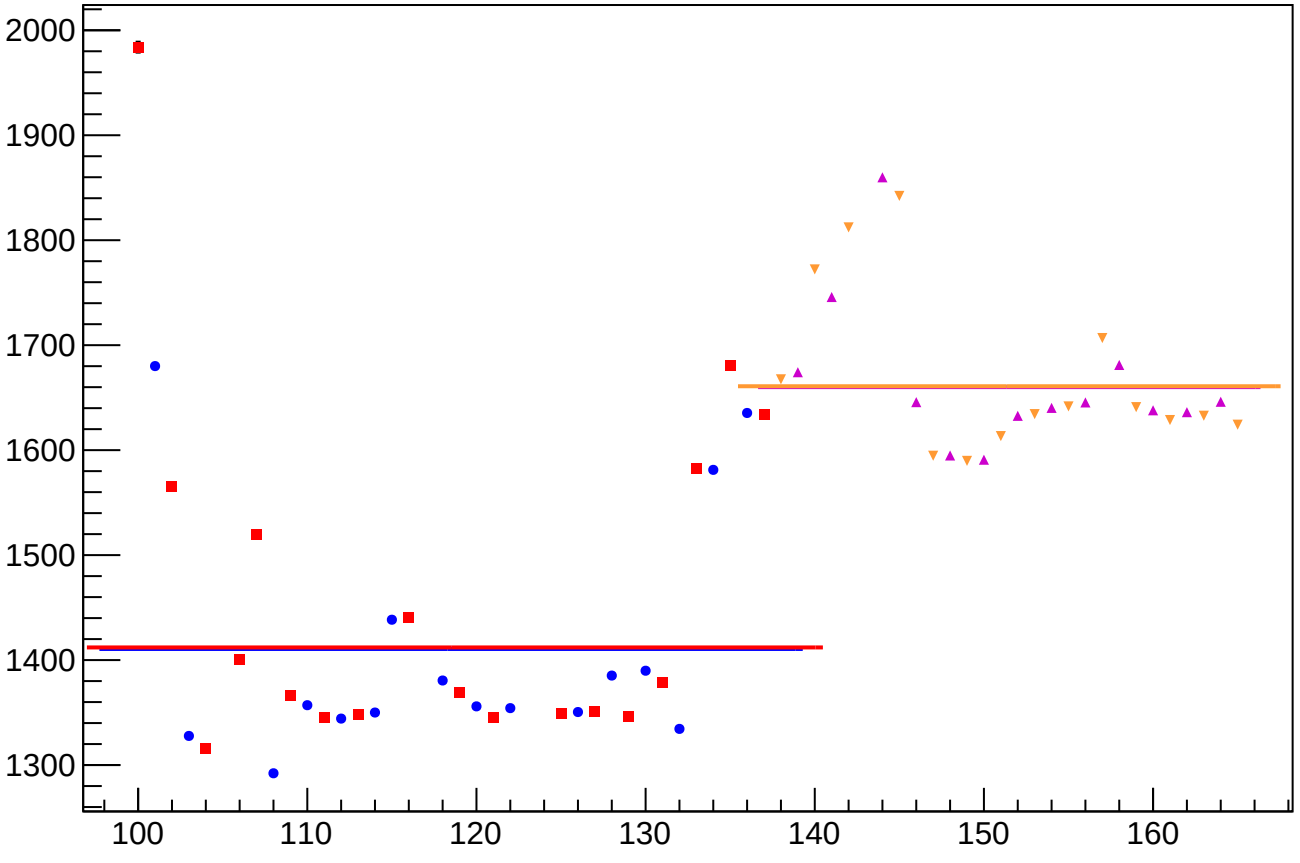
Left In: -2469.621+/-501.649 χ^2/NDF:13.2/12

+ sign 1528.433+/-363.203 χ^2/NDF: 39.9/29

All: -382.772+/-257.084 χ^2/NDF: 122.1/60

- sign -2301.741+/-363.940 χ^2/NDF: 26.7/30

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1660.870+/-0.354 χ^2/NDF:40010.3/13

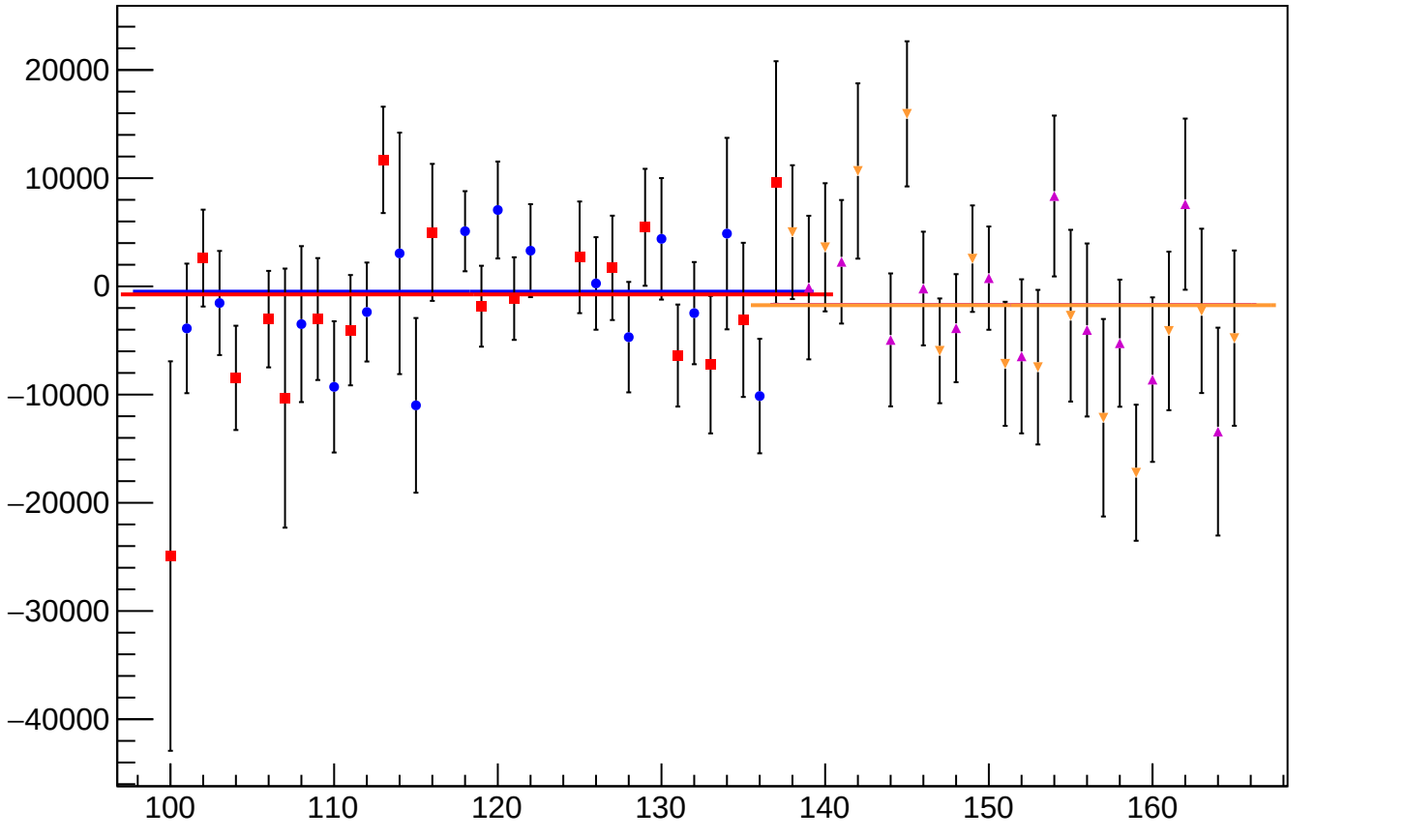
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1660.058+/-0.355 χ^2/NDF:33408.2/12

+ sign 1542.055+/-0.257 χ^2/NDF: 375966.3/29

All: 1542.154+/-0.182 χ^2/NDF: 731278.7/60

- sign 1542.253+/-0.257 χ^2/NDF: 355312.1/30



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1738.014+/-1739.272 χ^2/NDF:22.0/13

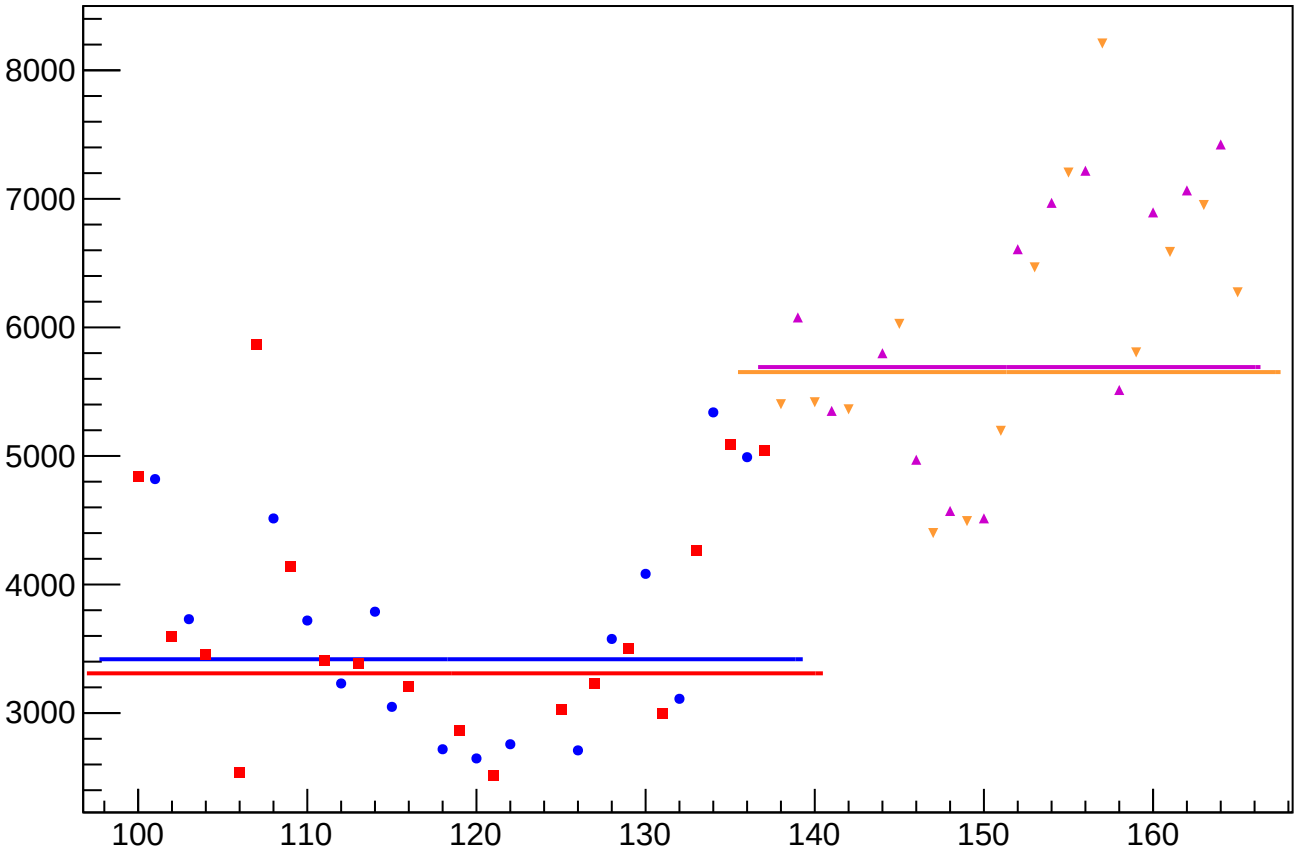
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1705.224+/-1749.394 χ^2/NDF:7.8/12

\+ sign -940.764+/-1045.727 χ^2/NDF: 38.2/29

All: -1005.151+/-728.681 χ^2/NDF: 65.3/60

\- sign -1065.922+/-1015.939 χ^2/NDF: 27.2/30



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5652.431+/-1.230 χ^2/NDF:636297.5/13

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

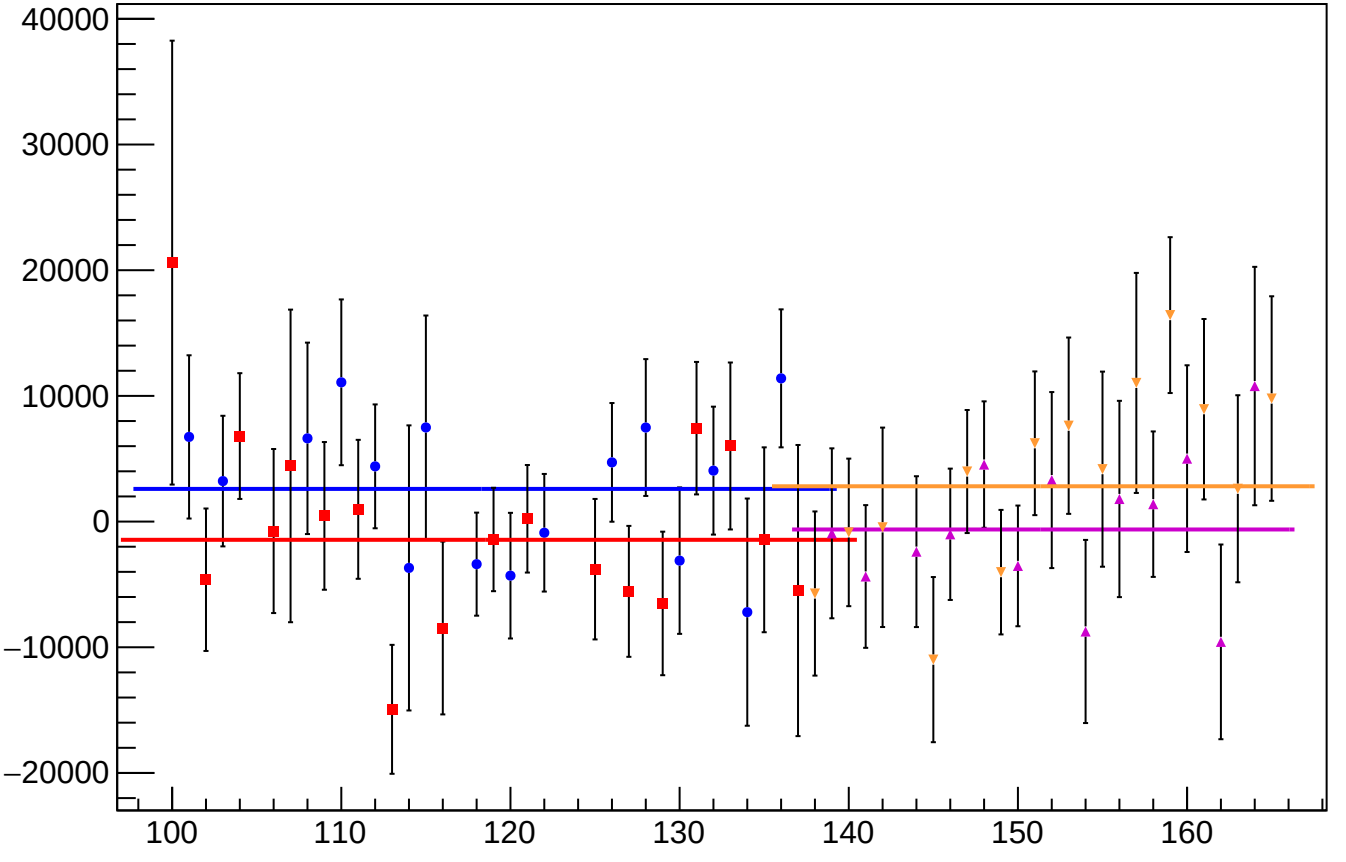
Left In: 5691.473+/-1.237 χ^2/NDF:616932.8/12

+ sign 4226.175+/-0.739 χ^2/NDF: 3463847.0/29

All: 4167.733+/-0.515 χ^2/NDF: 7123077.8/60

- sign 4112.573+/-0.718 χ^2/NDF: 3647088.4/30

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2809.303+/-1732.548 χ^2/NDF:16.7/13

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

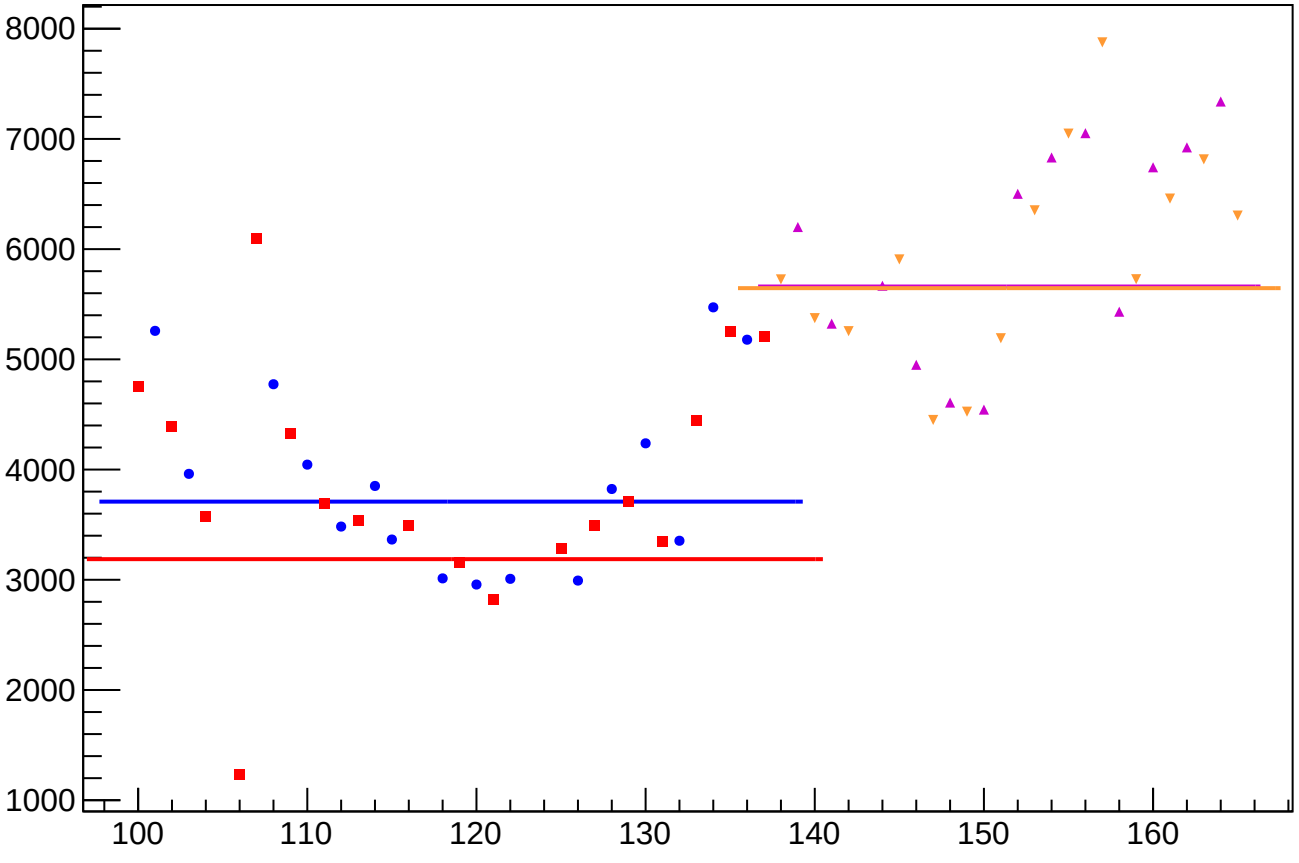
Left In: -628.398+/-1736.557 χ^2/NDF:7.1/12

+ sign 2683.486+/-1095.703 χ^2/NDF: 30.2/29

All: 751.576+/-769.798 χ^2/NDF: 62.5/60

- sign -1131.442+/-1081.750 χ^2/NDF: 26.3/30

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5645.996+/-1.225 χ^2/NDF:550767.2/13

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

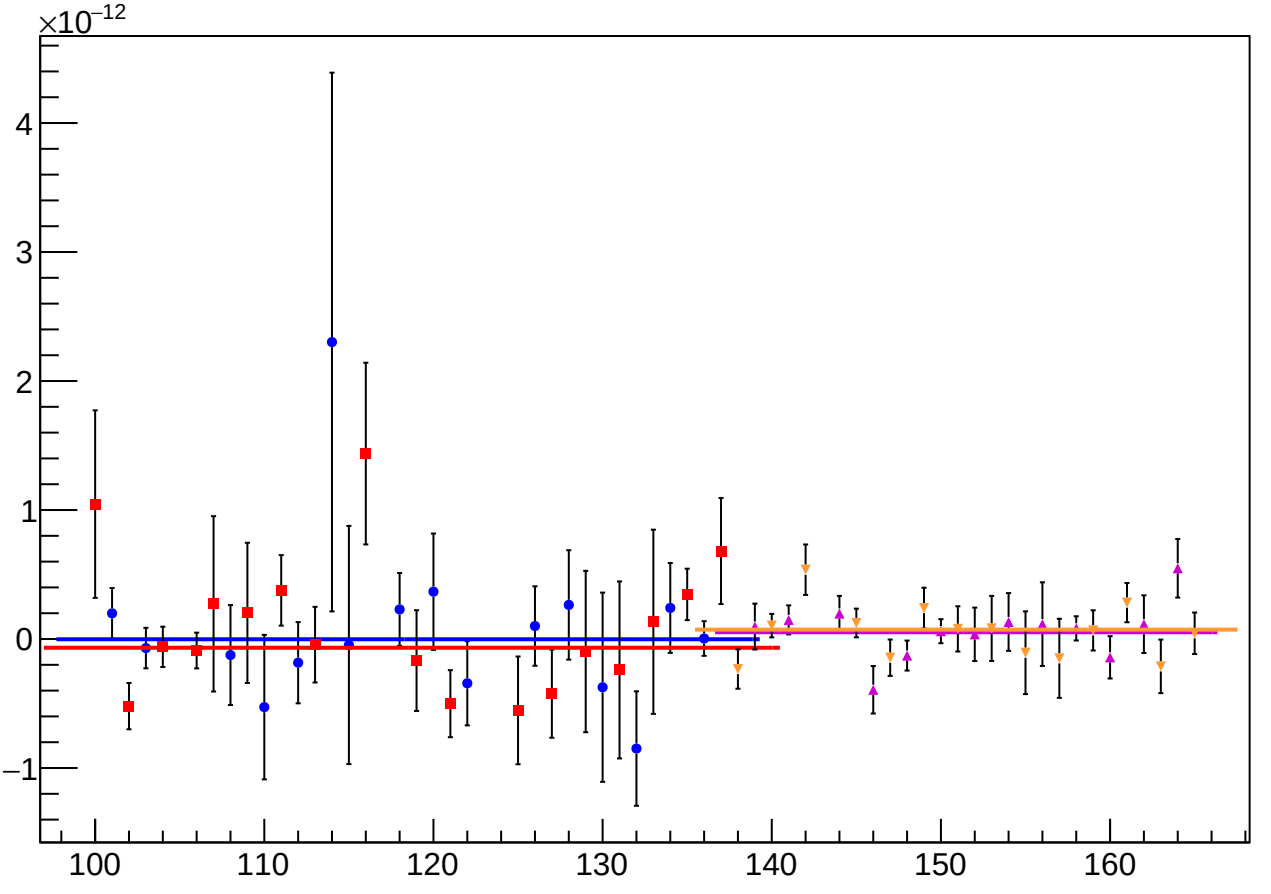
Left In: 5660.921+/-1.228 χ^2/NDF:557947.2/12

+ sign 4483.810+/-0.775 χ^2/NDF: 2661190.6/29

All: 4250.030+/-0.529 χ^2/NDF: 7649641.9/60

- sign 4046.132+/-0.724 χ^2/NDF: 4817997.2/30

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:18.1/13

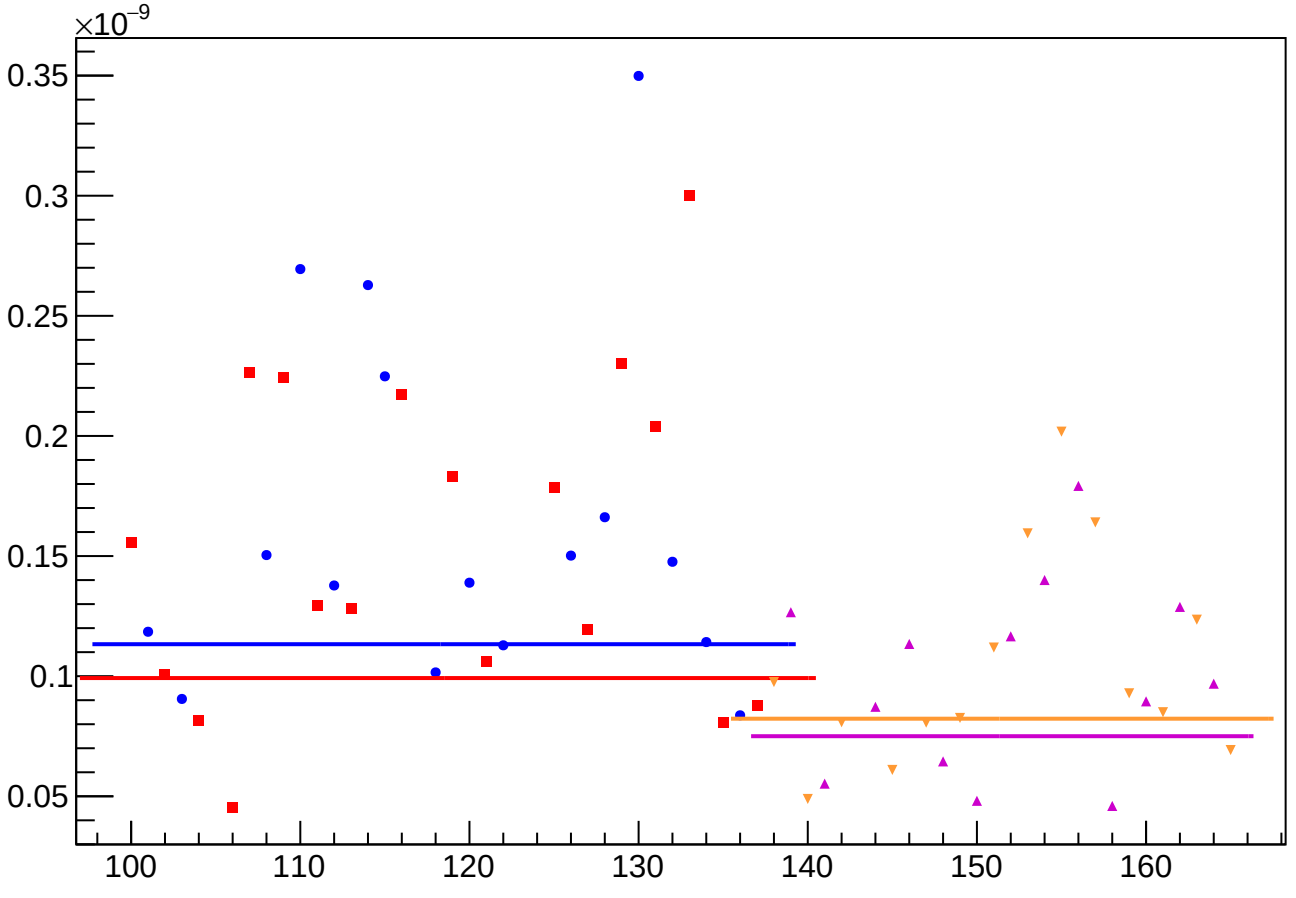
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:16.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 30.1/29

All: 0.000+/-0.000 χ^2/NDF: 79.2/60

- sign 0.000+/-0.000 χ^2/NDF: 48.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1129423.2/13

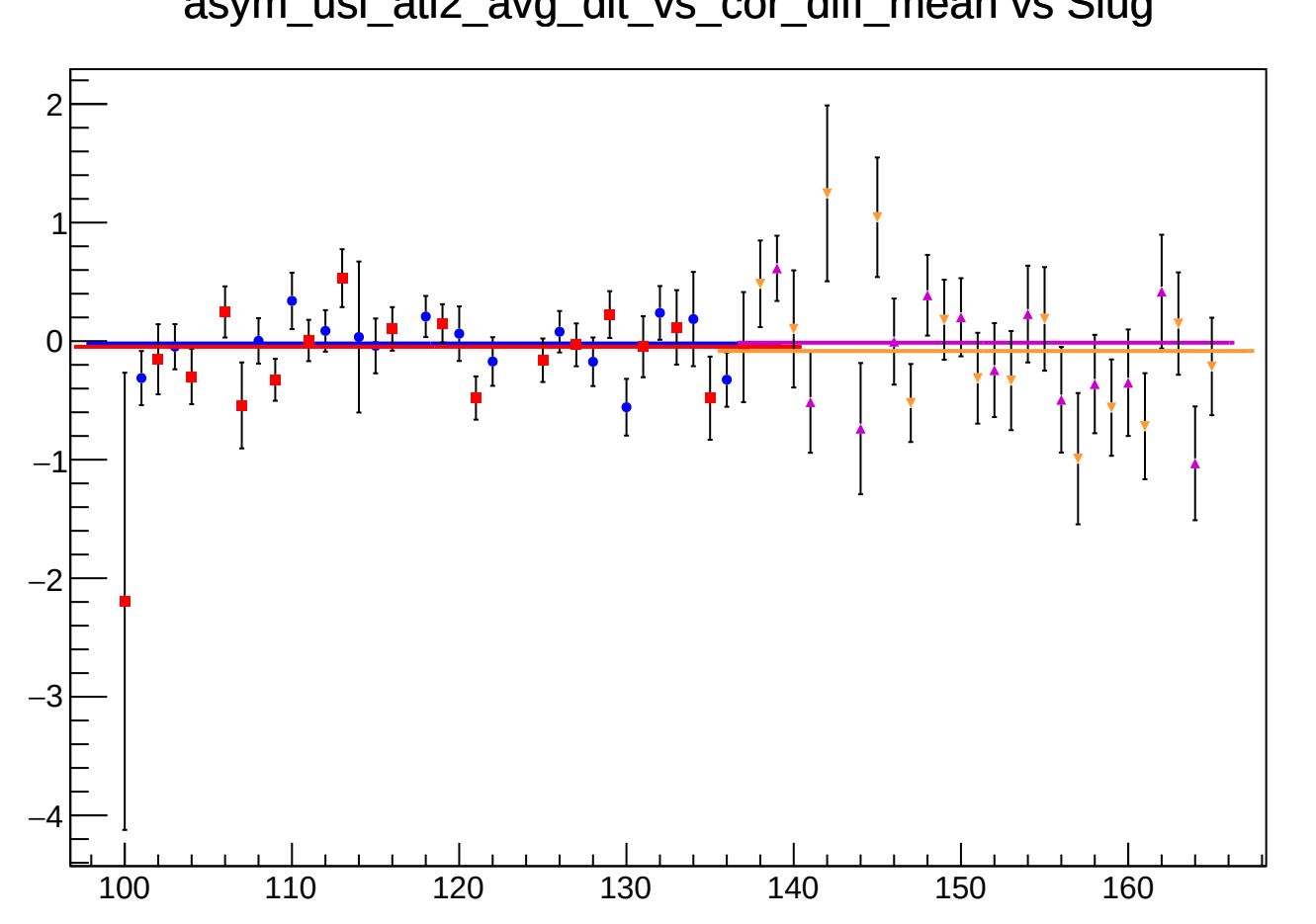
Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1312360.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 2072373.2/29

All: 0.000+/-0.000 χ^2/NDF: 4746691.0/60

- sign 0.000+/-0.000 χ^2/NDF: 2611413.3/30



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.083+/-0.113 χ^2/NDF:20.7/13

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

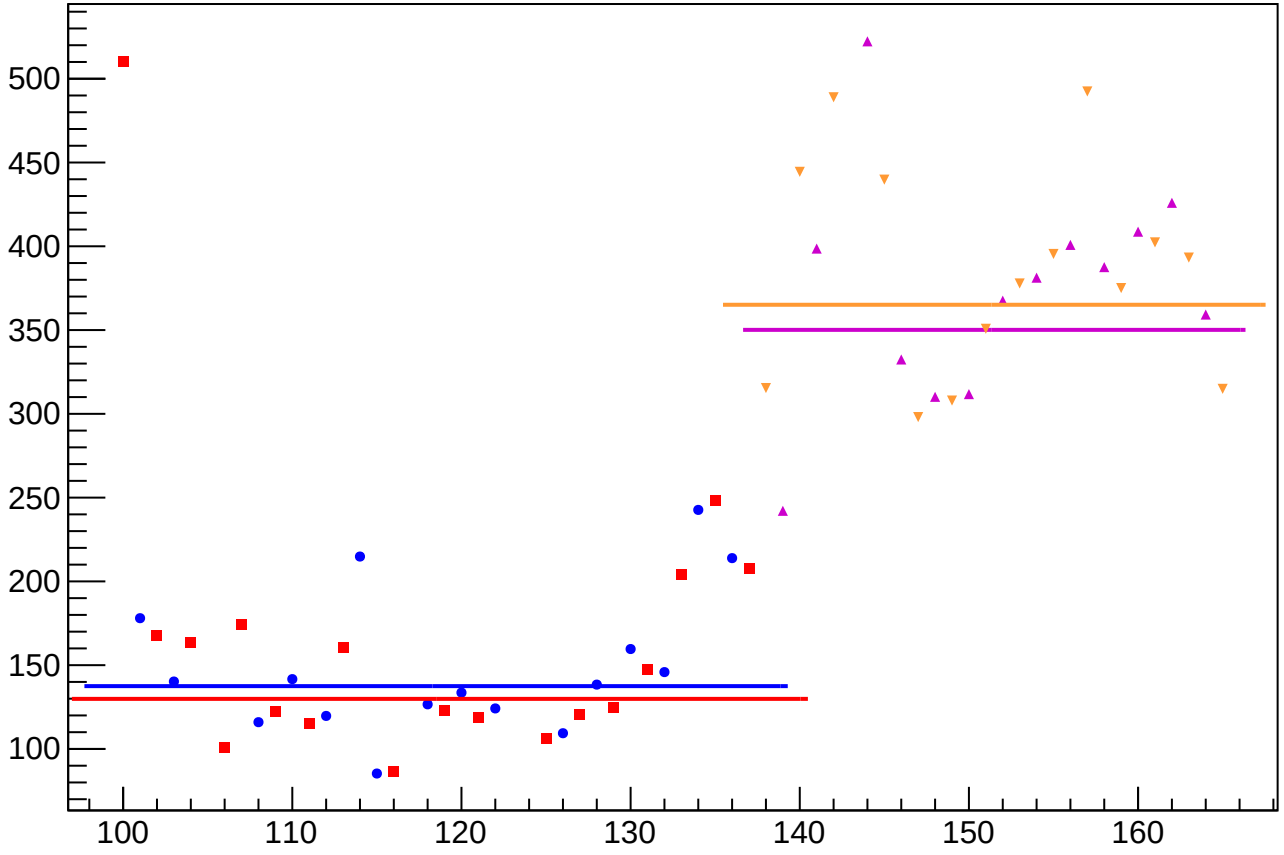
Left In: -0.013+/-0.109 χ^2/NDF:18.5/12

+ sign -0.032+/-0.049 χ^2/NDF: 37.0/29

All: -0.037+/-0.034 χ^2/NDF: 81.9/60

- sign -0.041+/-0.047 χ^2/NDF: 44.9/30

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 365.100+/-0.080 χ^2/NDF:502062.4/13

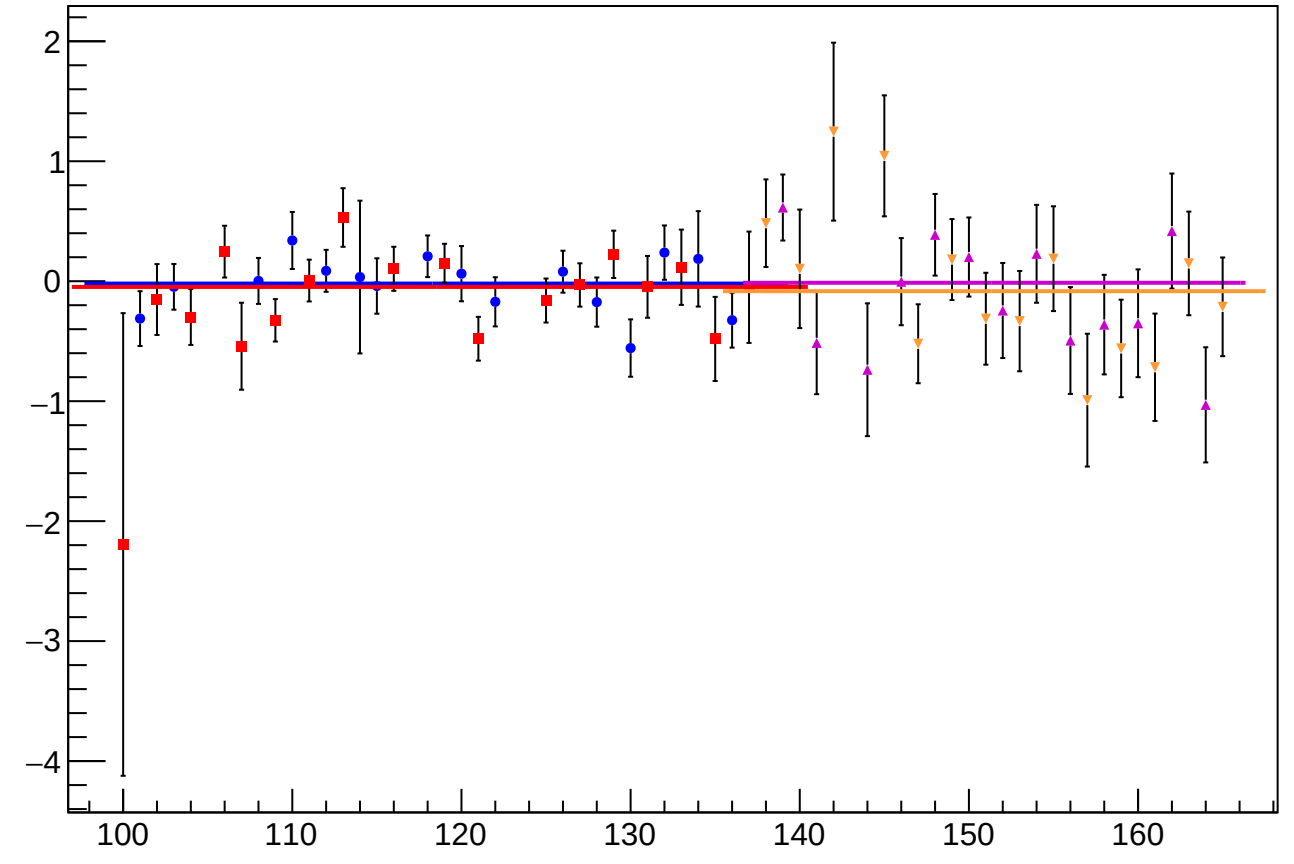
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 350.121+/-0.077 χ^2/NDF:729356.2/12

+ sign 180.253+/-0.035 χ^2/NDF: 7819756.9/29

All: 175.670+/-0.024 χ^2/NDF: 16048418.3/60

- sign 171.374+/-0.033 χ^2/NDF: 8194549.3/30



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.083+/-0.113 χ^2/NDF:20.7/13

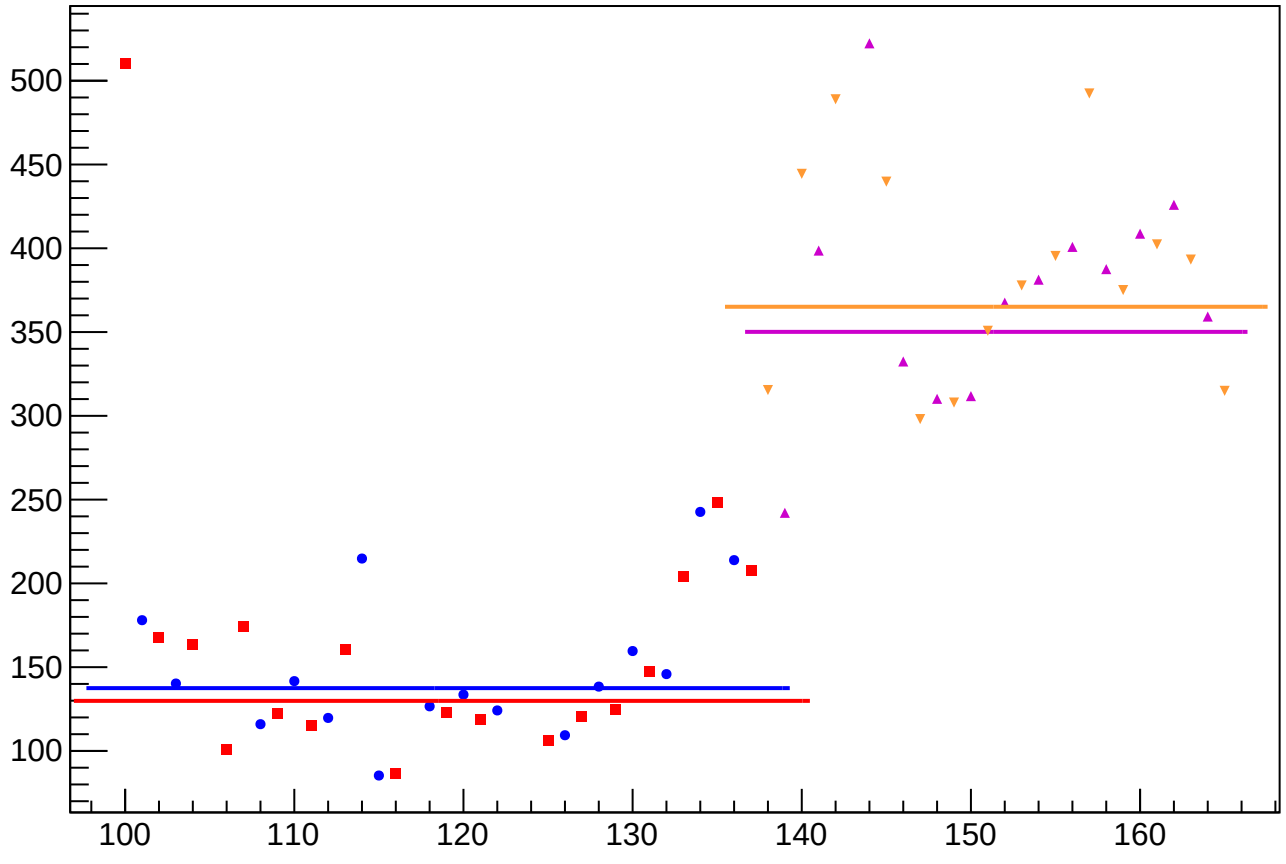
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.013+/-0.109 χ^2/NDF:18.5/12

+ sign -0.032+/-0.049 χ^2/NDF: 37.0/29

All: -0.037+/-0.034 χ^2/NDF: 81.9/60

- sign -0.041+/-0.047 χ^2/NDF: 44.9/30



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 365.100+/-0.080 χ^2/NDF:502062.4/13

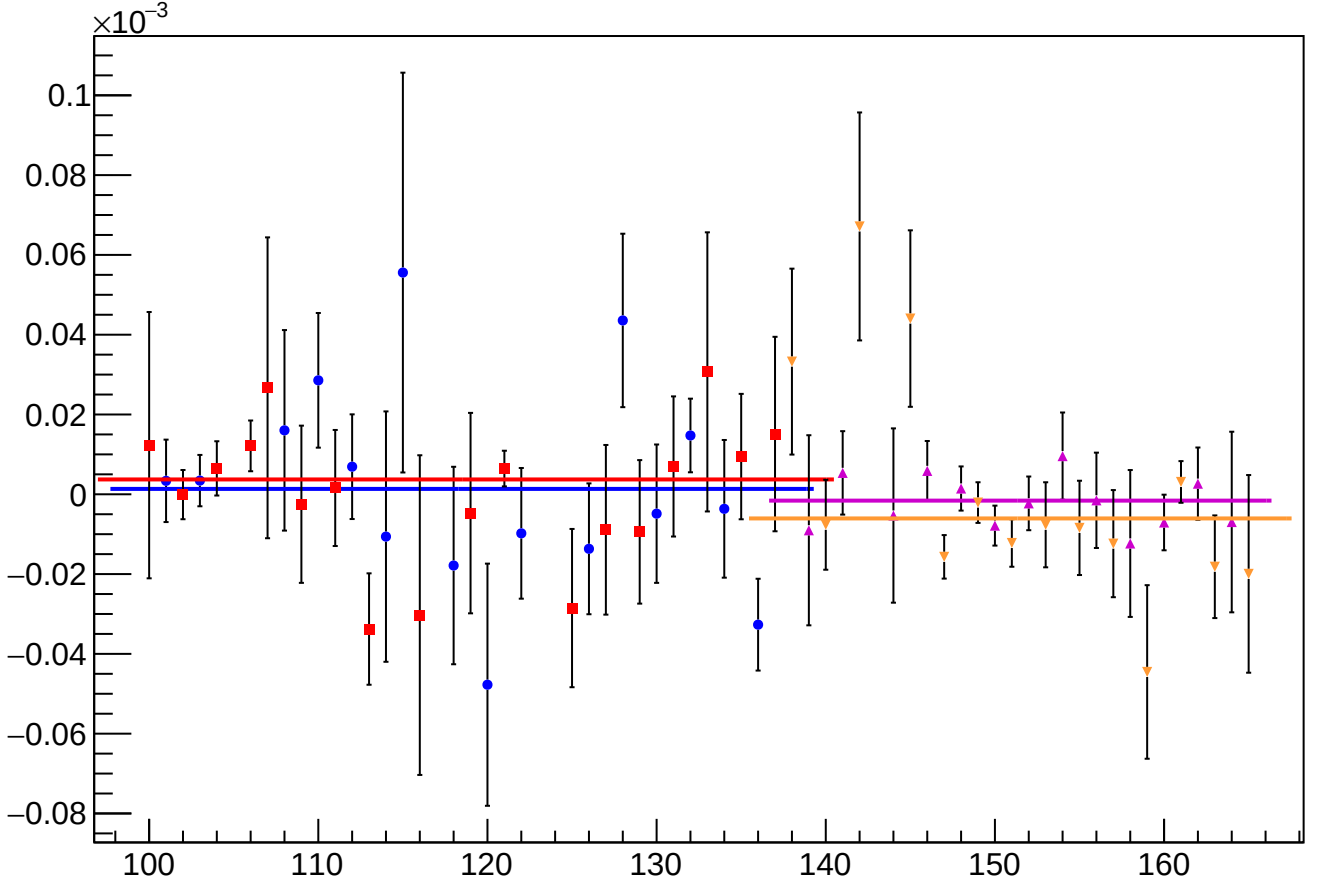
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 350.121+/-0.077 χ^2/NDF:729356.2/12

+ sign 180.253+/-0.035 χ^2/NDF: 7819756.9/29

All: 175.670+/-0.024 χ^2/NDF: 16048418.3/60

- sign 171.374+/-0.033 χ^2/NDF: 8194549.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/13

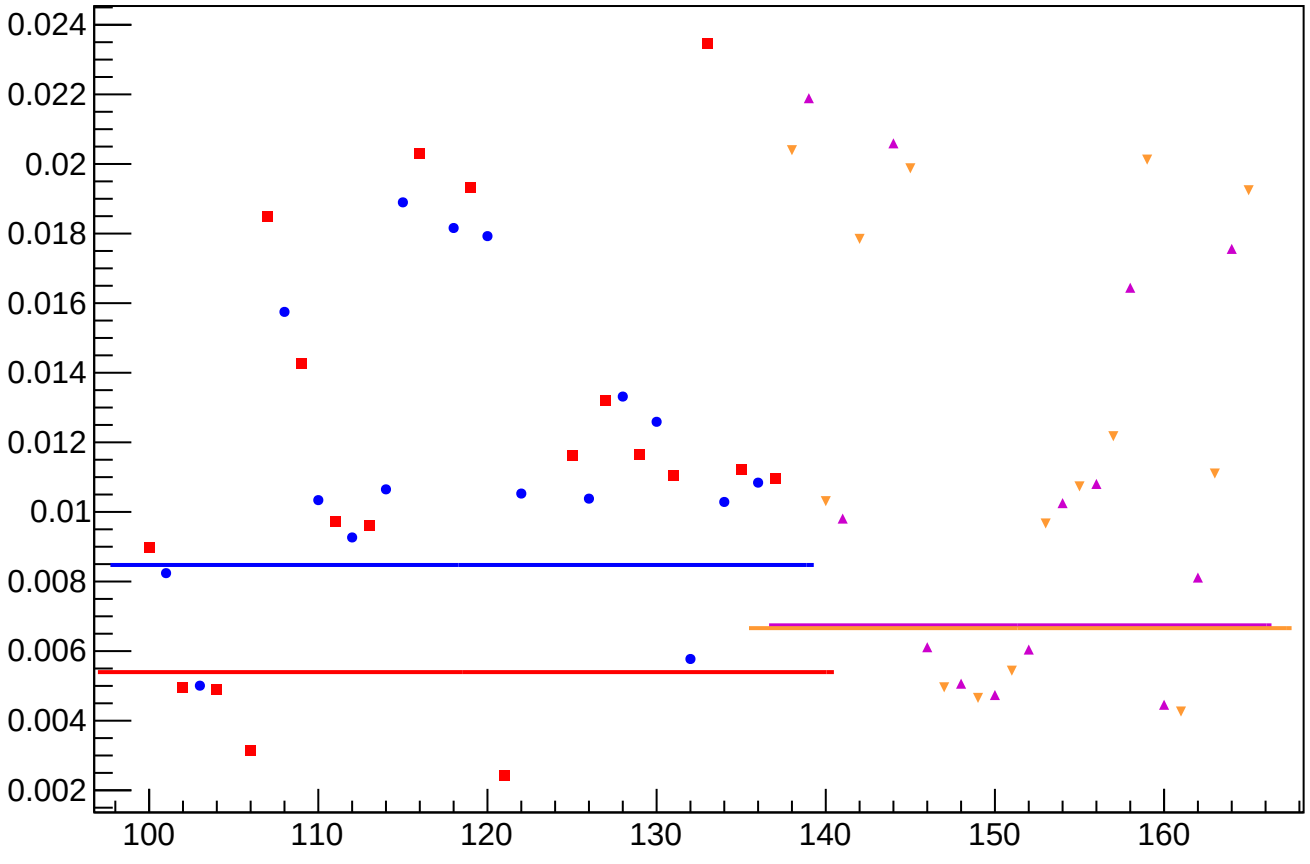
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:5.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/29

All: -0.000+/-0.000 χ^2/NDF: 81.1/60

- sign 0.000+/-0.000 χ^2/NDF: 23.8/30



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:5190611.5/13

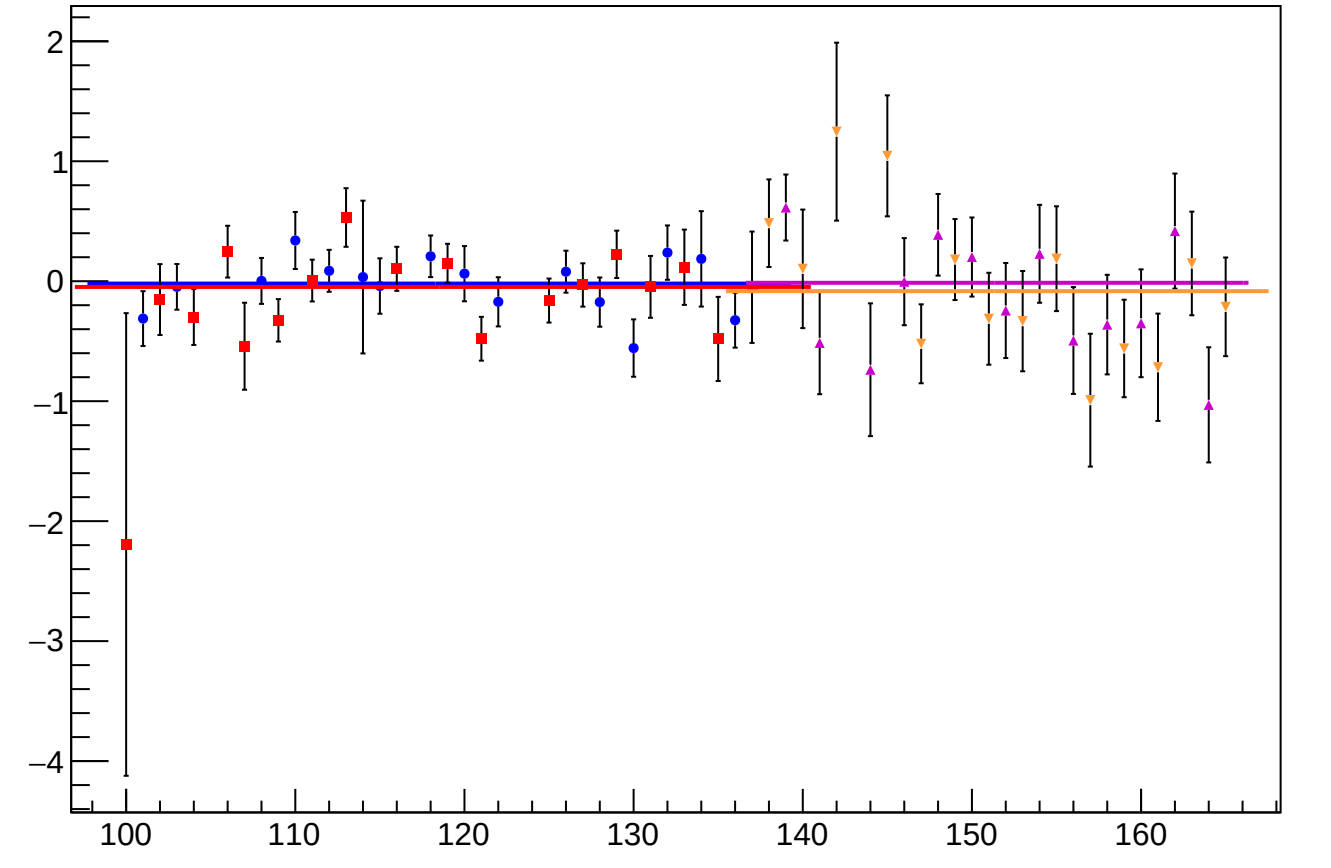
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:4035207.7/12

+ sign 0.007+/-0.000 χ^2/NDF: 7495364.9/29

All: 0.007+/-0.000 χ^2/NDF: 17114562.5/60

- sign 0.006+/-0.000 χ^2/NDF: 9245656.5/30



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.083+/-0.113 χ^2/NDF:20.7/13

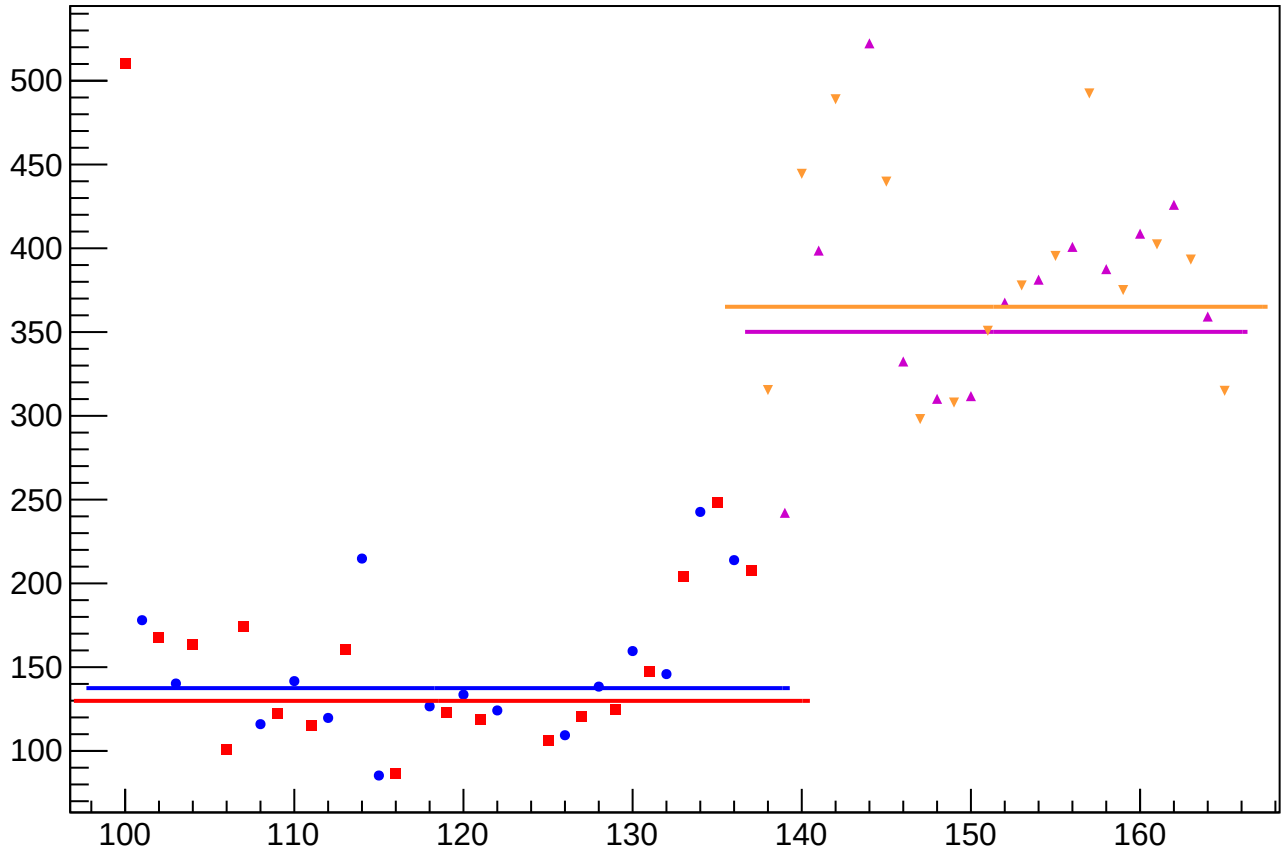
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.013+/-0.109 χ^2/NDF:18.5/12

+ sign -0.032+/-0.049 χ^2/NDF: 37.0/29

All: -0.037+/-0.034 χ^2/NDF: 81.9/60

- sign -0.041+/-0.047 χ^2/NDF: 44.9/30



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 365.105+/-0.080 χ^2/NDF:502095.3/13

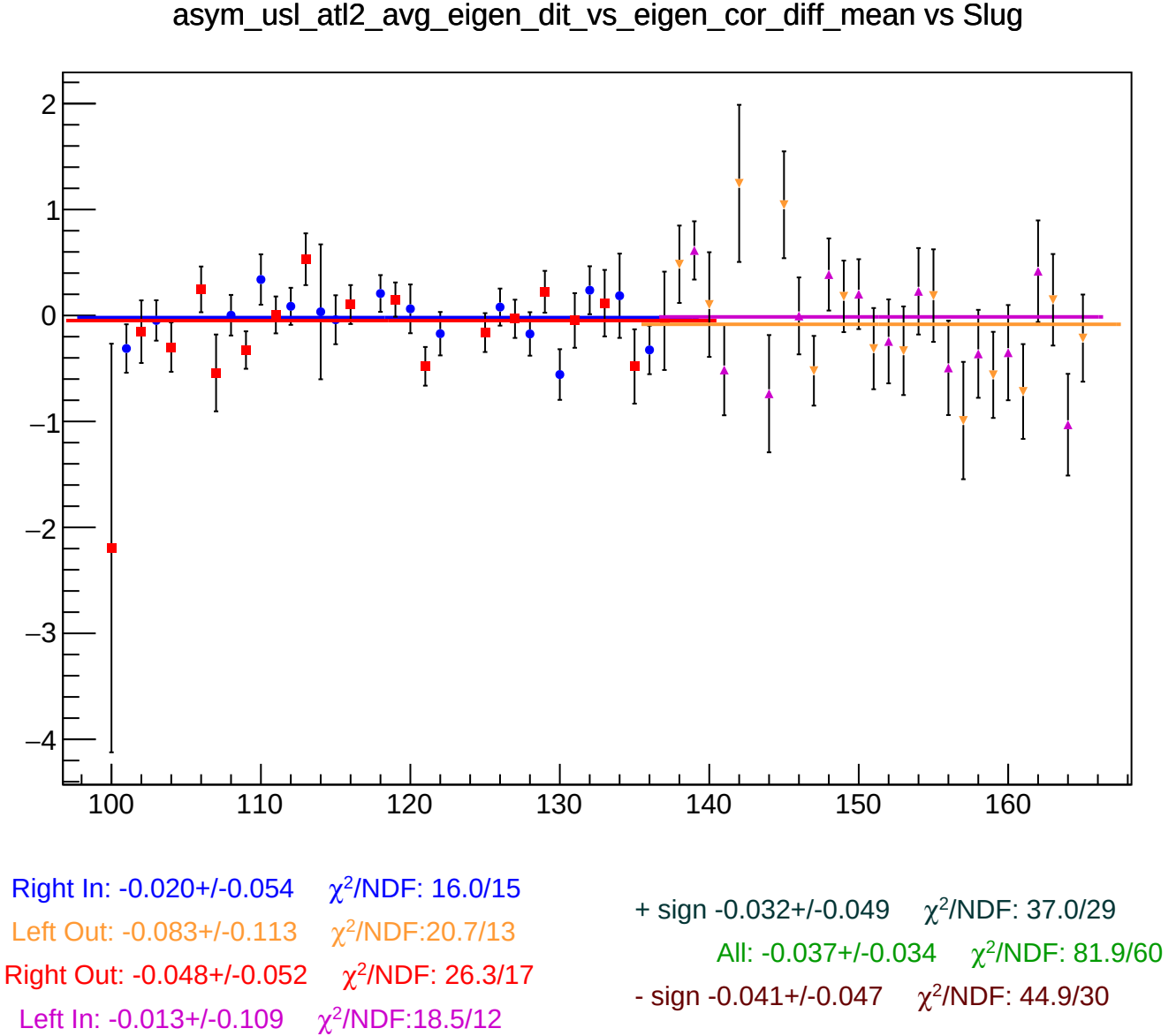
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

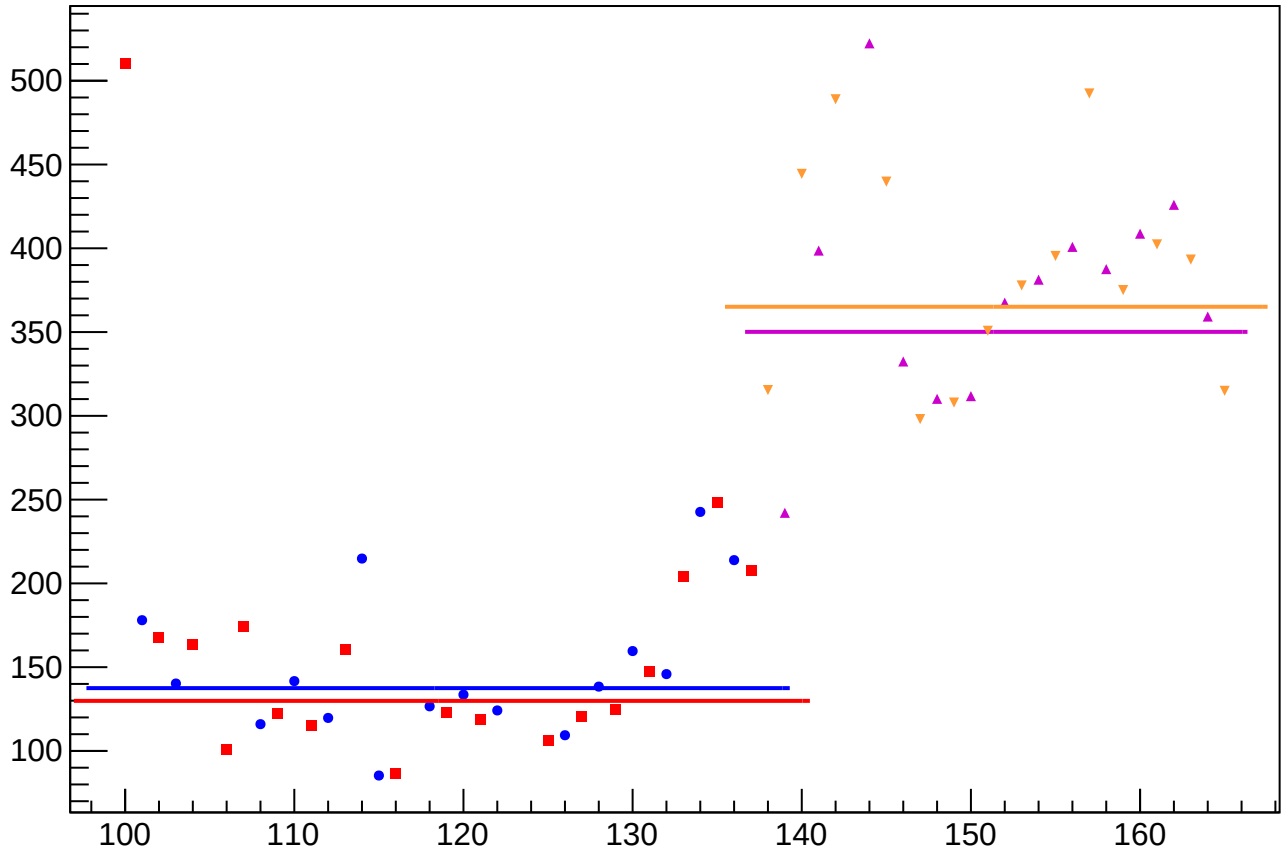
Left In: 350.126+/-0.077 χ^2/NDF:729345.9/12

+ sign 180.253+/-0.035 χ^2/NDF: 7819914.1/29

All: 175.669+/-0.024 χ^2/NDF: 16048687.0/60

- sign 171.373+/-0.033 χ^2/NDF: 8194661.9/30


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.083+/-0.113 χ²/NDF:20.7/13
Right Out: -0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.013+/-0.109 χ²/NDF:18.5/12
+ sign -0.032+/-0.049 χ²/NDF: 37.0/29
All: -0.037+/-0.034 χ²/NDF: 81.9/60
- sign -0.041+/-0.047 χ²/NDF: 44.9/30



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 365.105+/-0.080 χ^2/NDF:502095.3/13

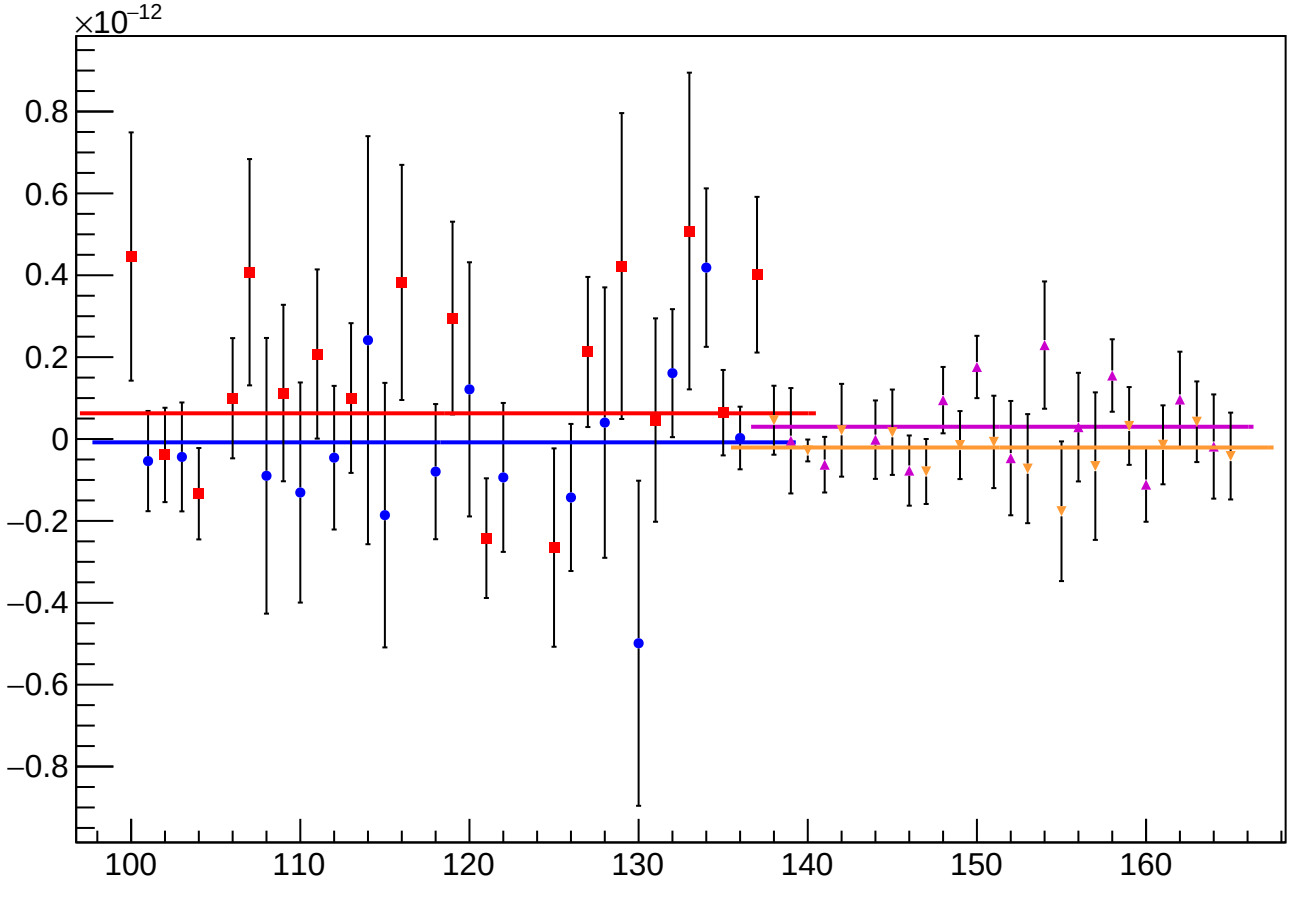
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 350.126+/-0.077 χ^2/NDF:729345.9/12

+ sign 180.253+/-0.035 χ^2/NDF: 7819914.1/29

All: 175.669+/-0.024 χ^2/NDF: 16048687.0/60

- sign 171.373+/-0.033 χ^2/NDF: 8194661.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/13

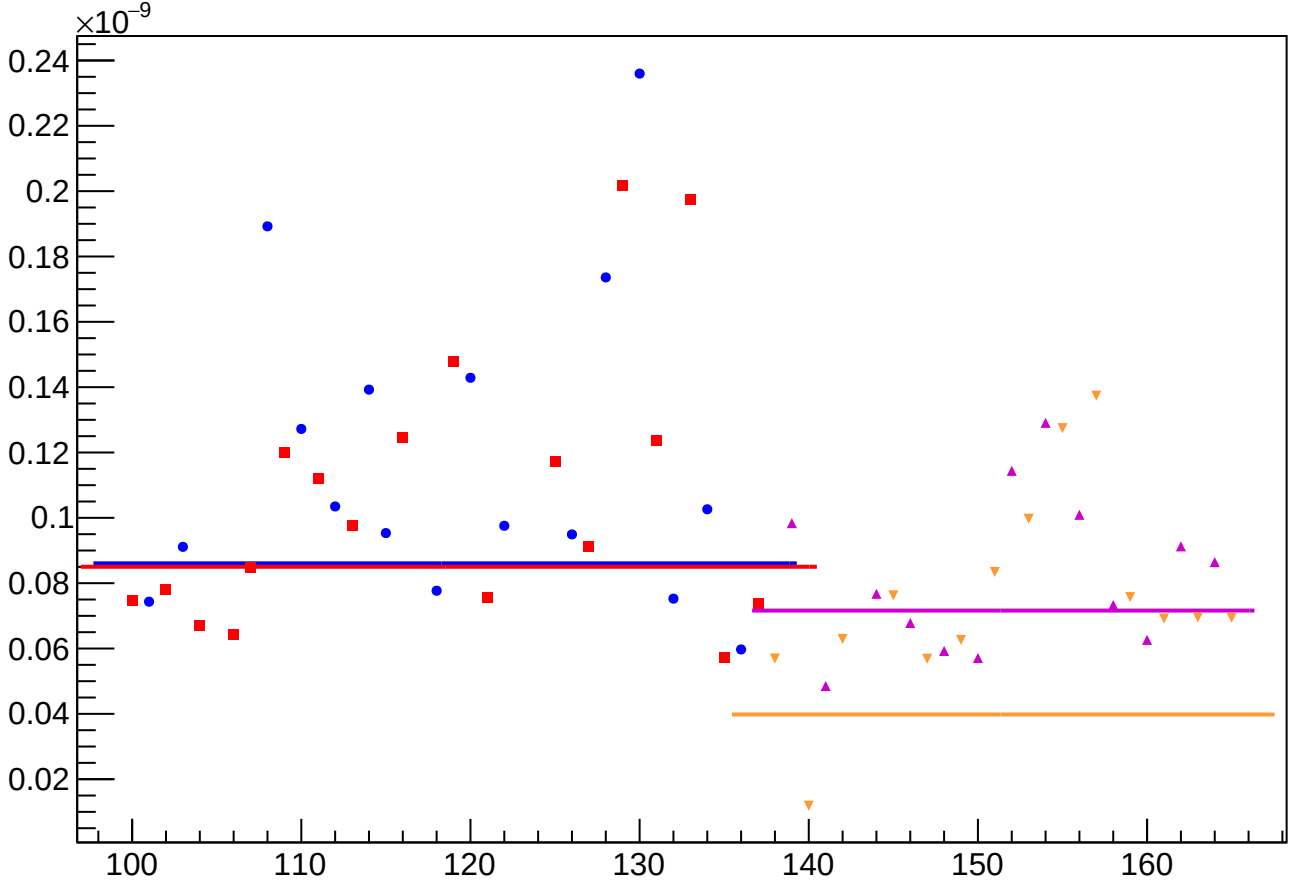
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:14.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 13.2/29

All: 0.000+/-0.000 χ^2/NDF: 54.7/60

- sign 0.000+/-0.000 χ^2/NDF: 37.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5472106.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

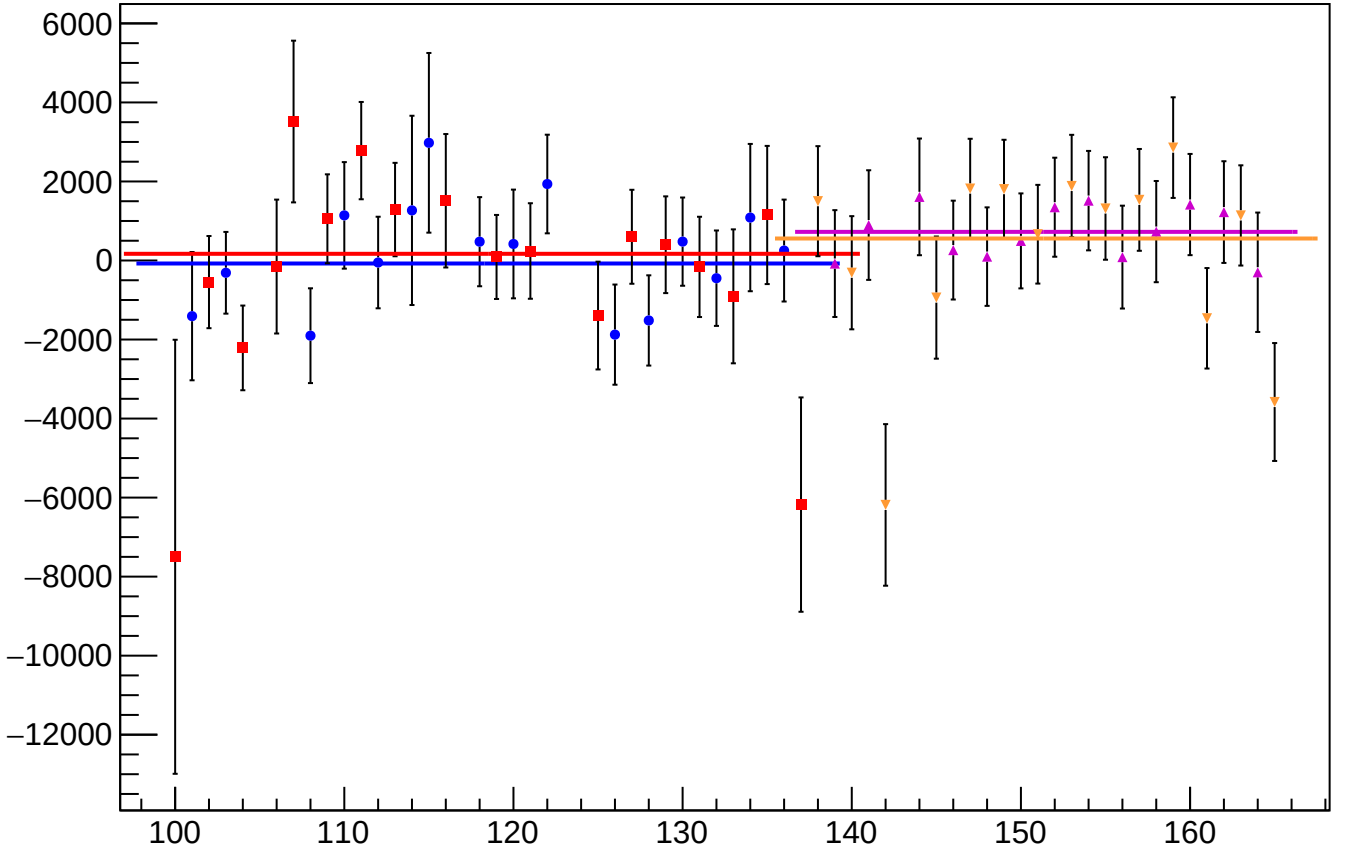
Left In: 0.000+/-0.000 χ^2/NDF:1108953.7/12

\+ sign 0.000+/-0.000 χ^2/NDF: 8504819.7/29

All: 0.000+/-0.000 χ^2/NDF: 12601059.9/60

\- sign 0.000+/-0.000 χ^2/NDF: 2237922.8/30

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 556.474+/-361.015 χ^2/NDF:30.3/13

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

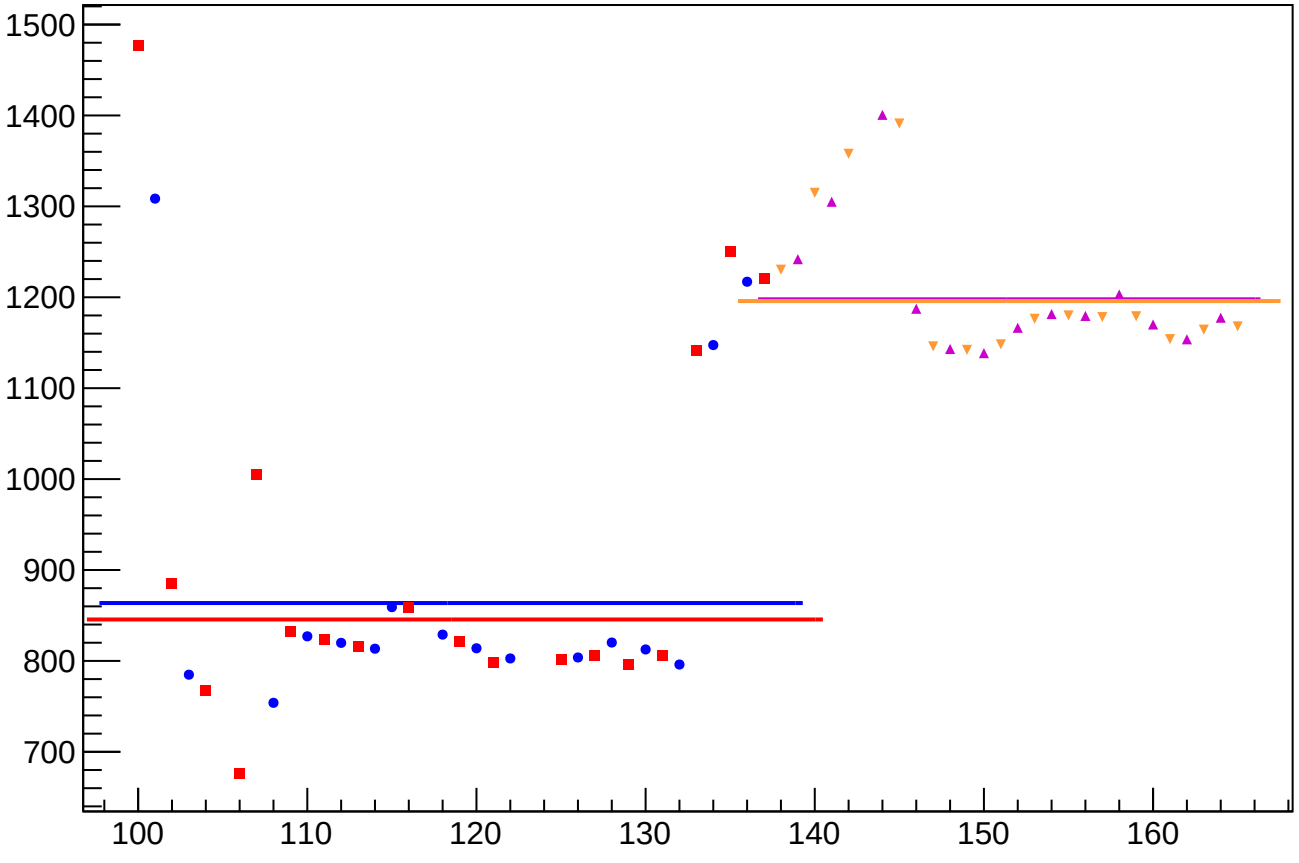
Left In: 724.569+/-362.236 χ^2/NDF:2.9/12

+ sign 208.333+/-242.044 χ^2/NDF: 45.3/29

All: 311.924+/-170.634 χ^2/NDF: 74.3/60

- sign 414.273+/-240.589 χ^2/NDF: 28.6/30

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1195.838+/-0.255 χ^2/NDF:74829.2/13

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

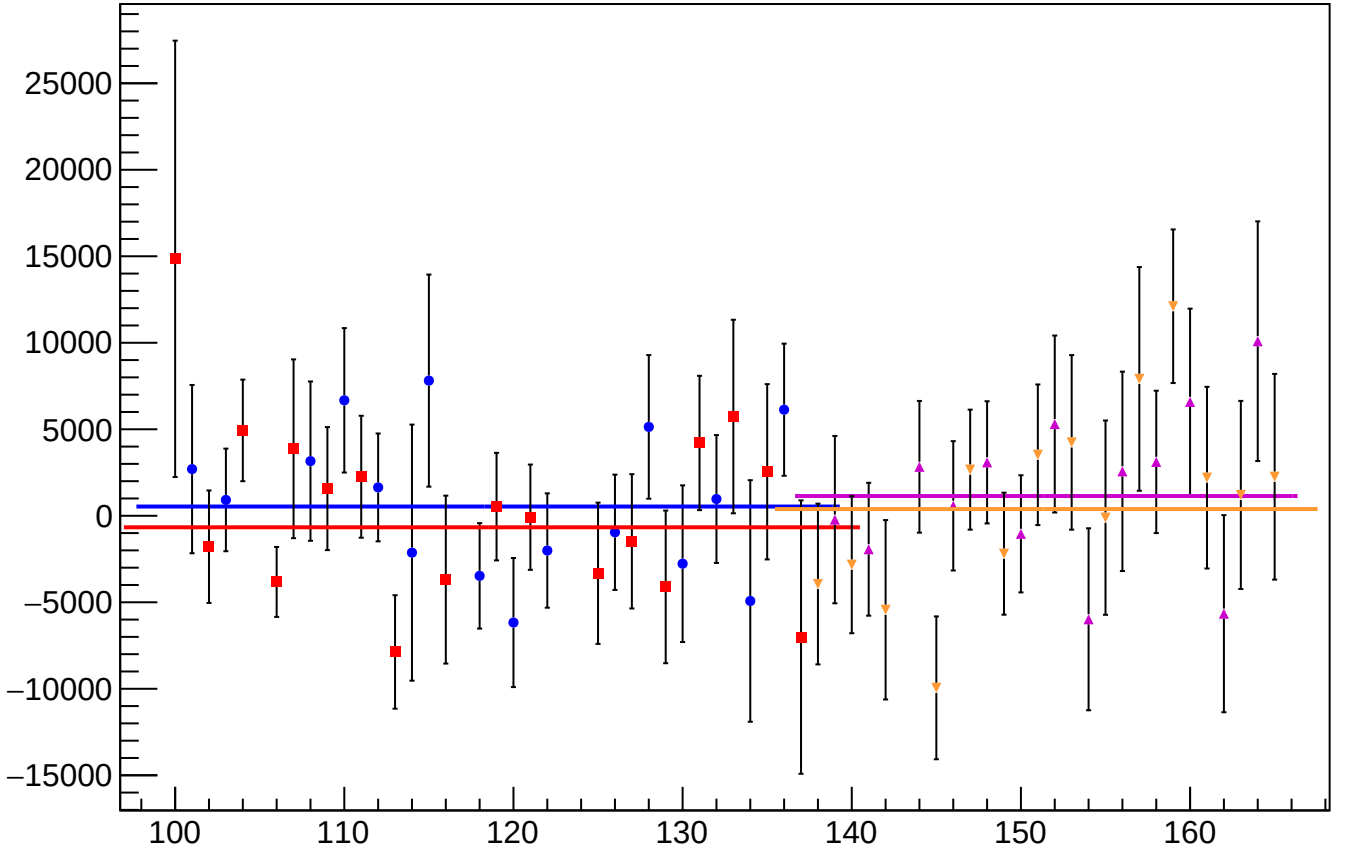
Left In: 1197.790+/-0.256 χ^2/NDF:66358.4/12

+ sign 1012.978+/-0.171 χ^2/NDF: 1414440.4/29

All: 1005.794+/-0.120 χ^2/NDF: 2860350.1/60

- sign 998.795+/-0.169 χ^2/NDF: 1442431.5/30

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 388.525+/-1217.989 χ^2/NDF:19.8/13

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

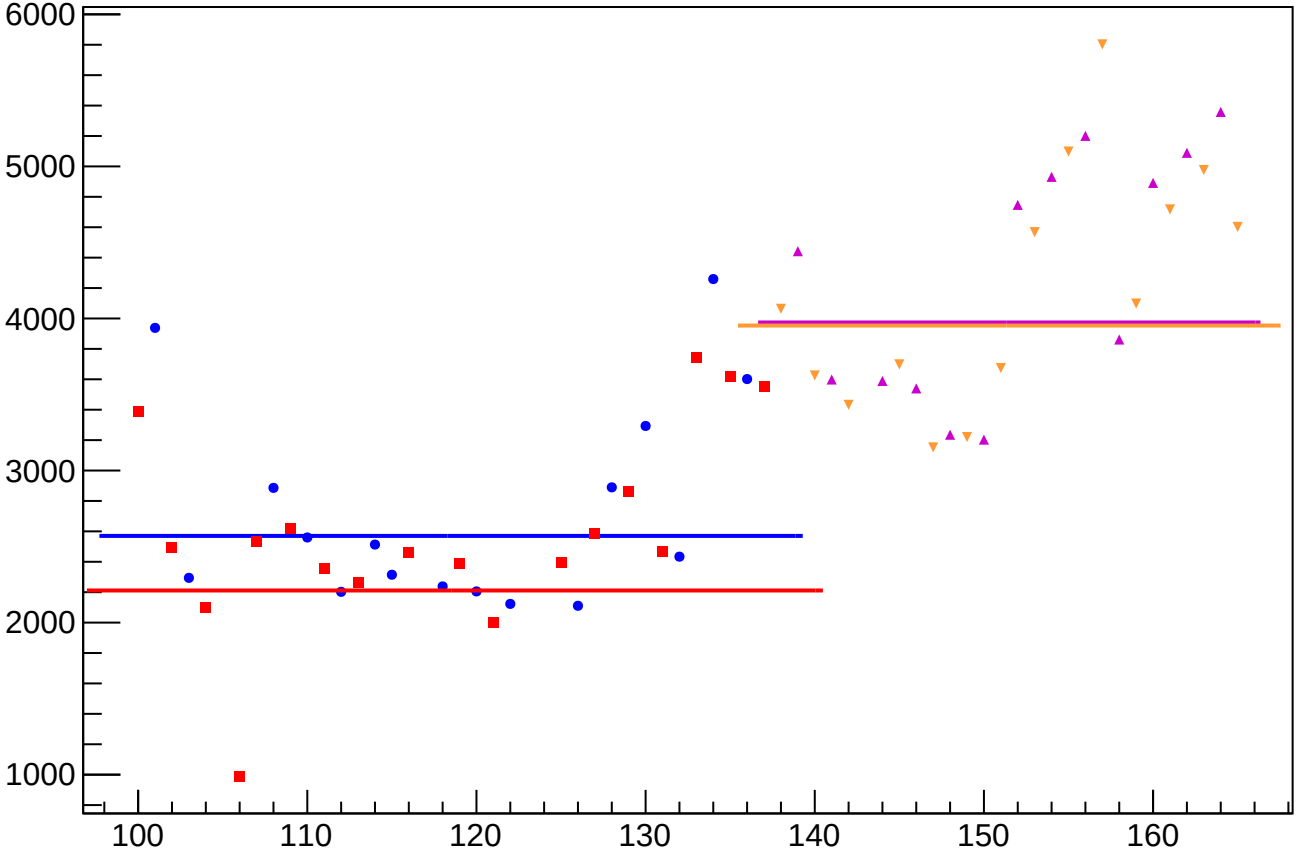
Left In: 1141.335+/-1223.358 χ^2/NDF:8.6/12

+ sign 477.048+/-764.143 χ^2/NDF: 34.4/29

All: 185.506+/-518.661 χ^2/NDF: 64.7/60

- sign -63.544+/-706.266 χ^2/NDF: 30.0/30

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3953.508+/-0.861 χ^2/NDF:660720.9/13

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

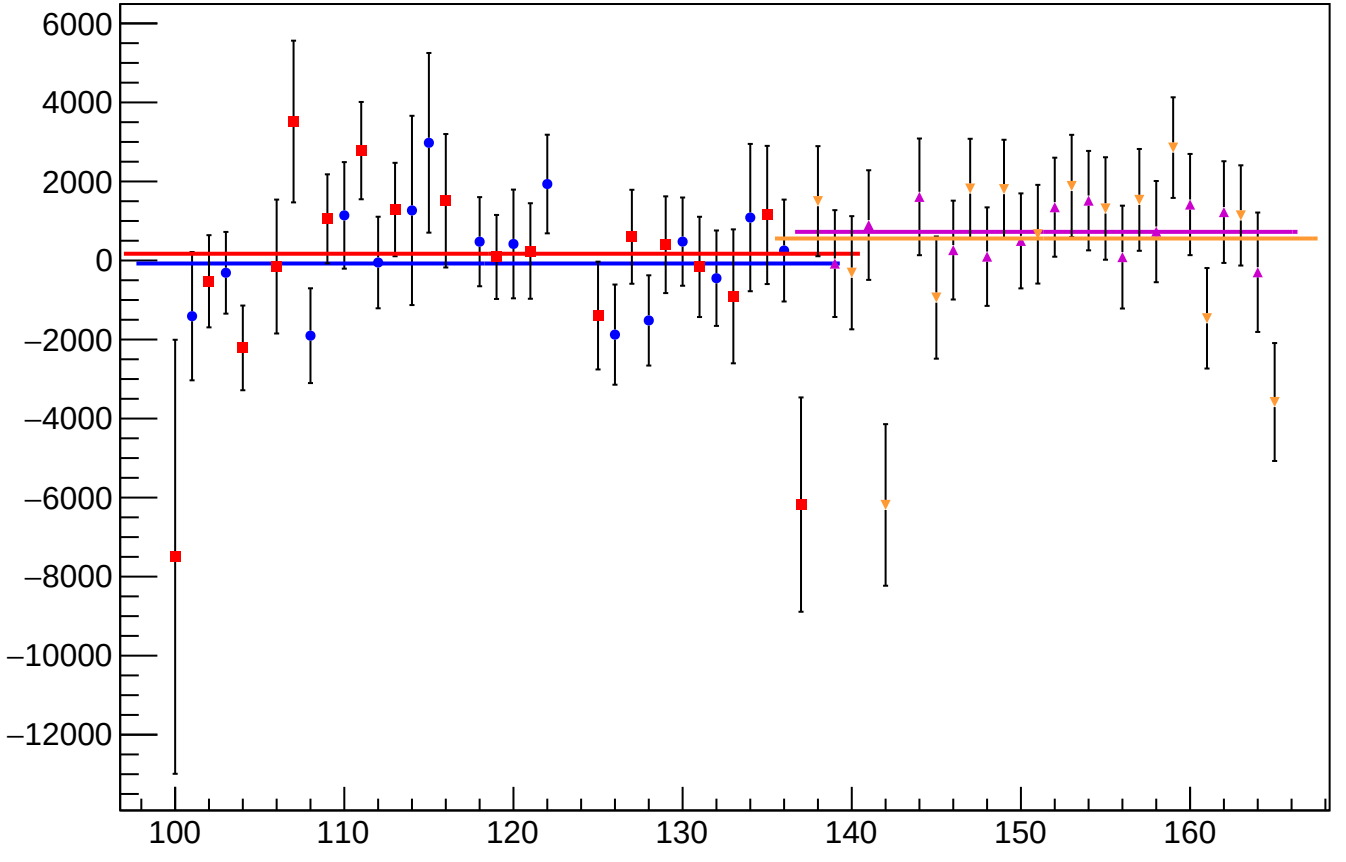
Left In: 3973.735+/-0.865 χ^2/NDF:694854.2/12

+ sign 3114.640+/-0.540 χ^2/NDF: 2887701.7/29

All: 2944.248+/-0.367 χ^2/NDF: 7798603.2/60

- sign 2798.690+/-0.499 χ^2/NDF: 4726506.8/30

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 556.419+/-361.015 χ^2/NDF:30.3/13

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

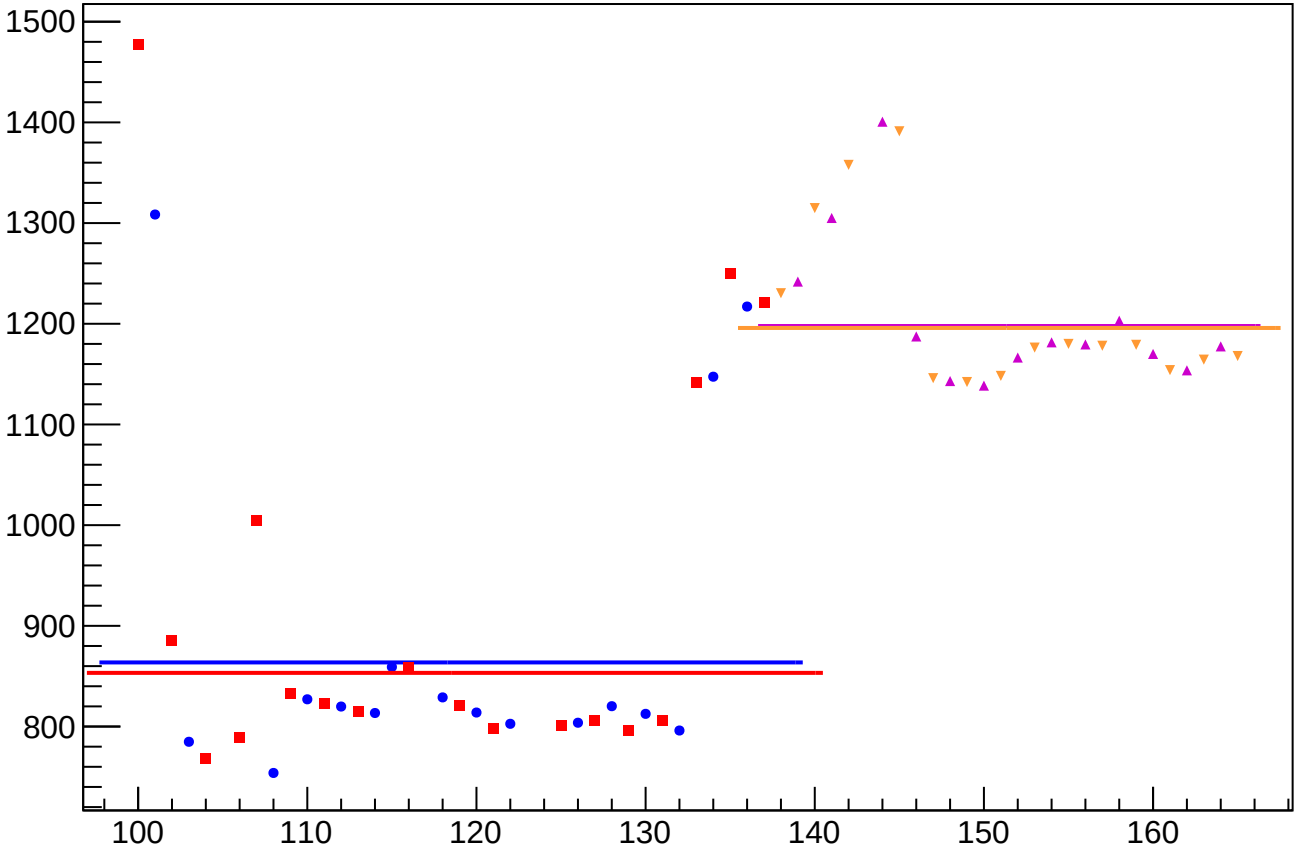
Left In: 724.589+/-362.236 χ^2/NDF:2.9/12

+ sign 208.265+/-242.044 χ^2/NDF: 45.4/29

All: 312.356+/-170.635 χ^2/NDF: 74.3/60

- sign 415.201+/-240.592 χ^2/NDF: 28.6/30

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1195.838+/-0.255 χ^2/NDF:74829.2/13

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

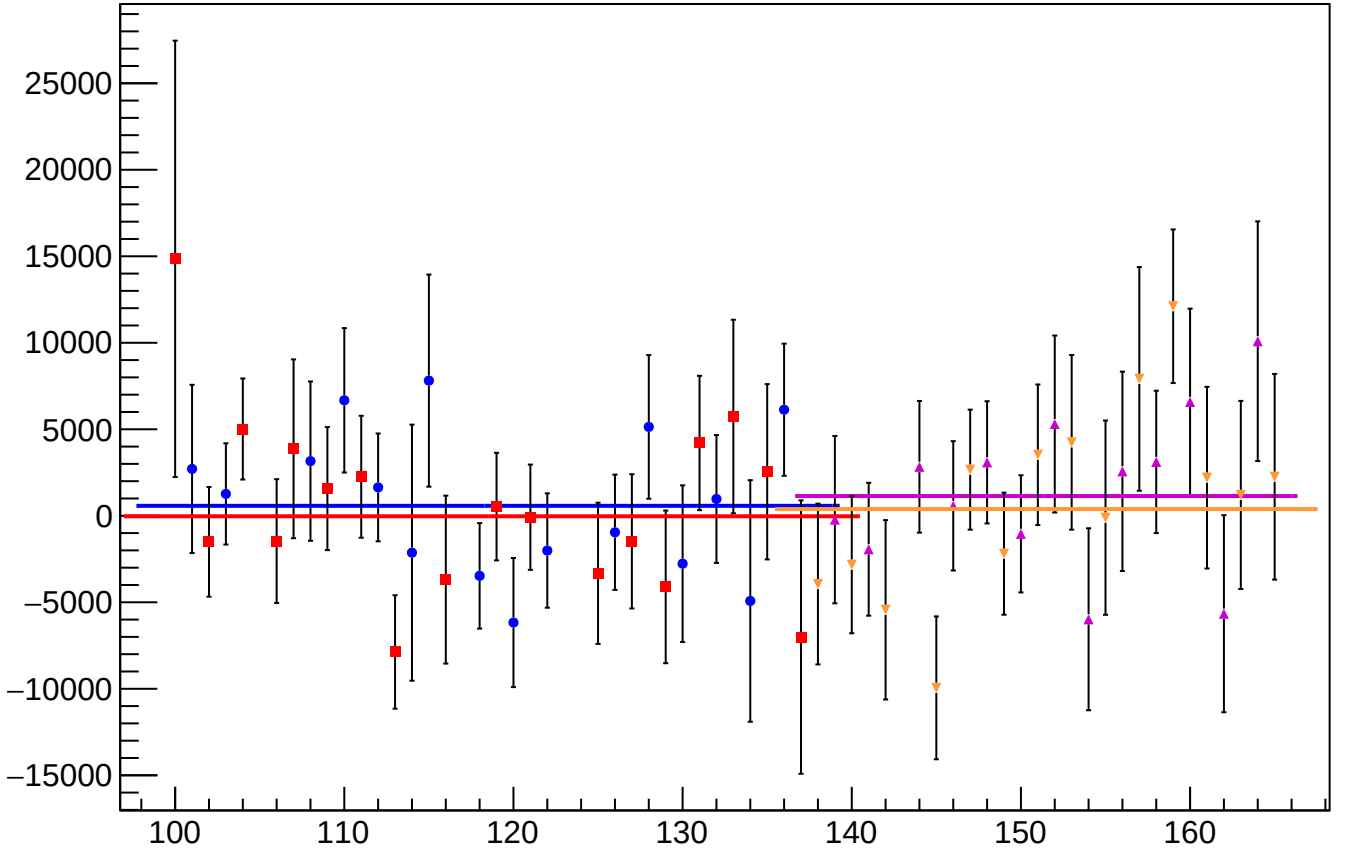
Left In: 1197.790+/-0.256 χ^2/NDF:66358.3/12

+ sign 1012.978+/-0.171 χ^2/NDF: 1414440.4/29

All: 1008.643+/-0.120 χ^2/NDF: 2772990.1/60

- sign 1004.384+/-0.170 χ^2/NDF: 1357277.8/30

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 388.518+/-1217.988 χ^2/NDF:19.8/13

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

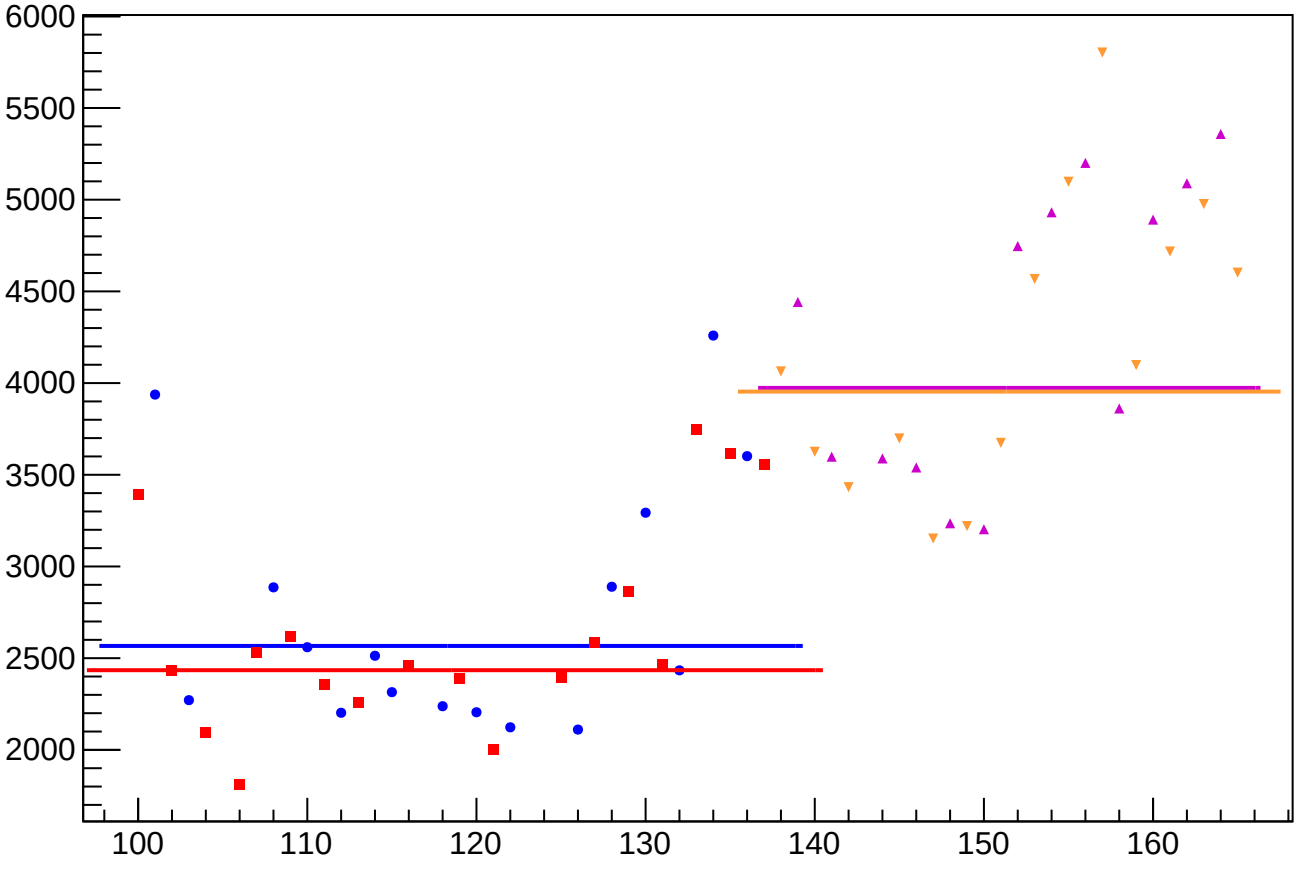
Left In: 1141.382+/-1223.357 χ^2/NDF:8.6/12

\+ sign 501.708+/-763.465 χ^2/NDF: 34.5/29

All: 446.576+/-530.009 χ^2/NDF: 60.8/60

\- sign 395.289+/-736.362 χ^2/NDF: 26.3/30

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.506+/-0.861 χ^2/NDF:660716.8/13

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

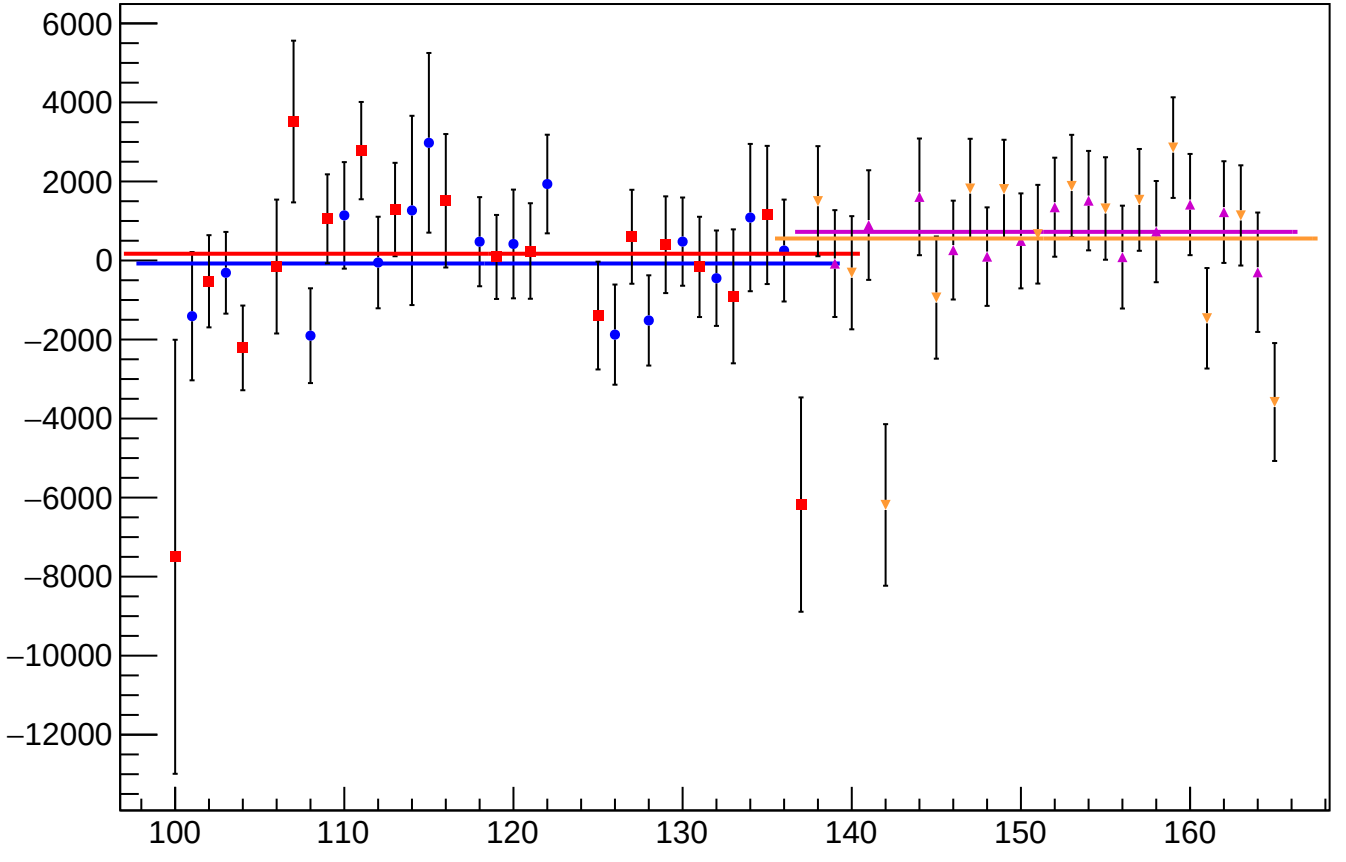
Left In: 3973.730+/-0.865 χ^2/NDF:694856.4/12

+ sign 3111.608+/-0.540 χ^2/NDF: 2900603.1/29

All: 3049.710+/-0.375 χ^2/NDF: 6074128.4/60

- sign 2992.128+/-0.521 χ^2/NDF: 3148149.0/30

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 556.419+/-361.015 χ^2/NDF:30.3/13

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

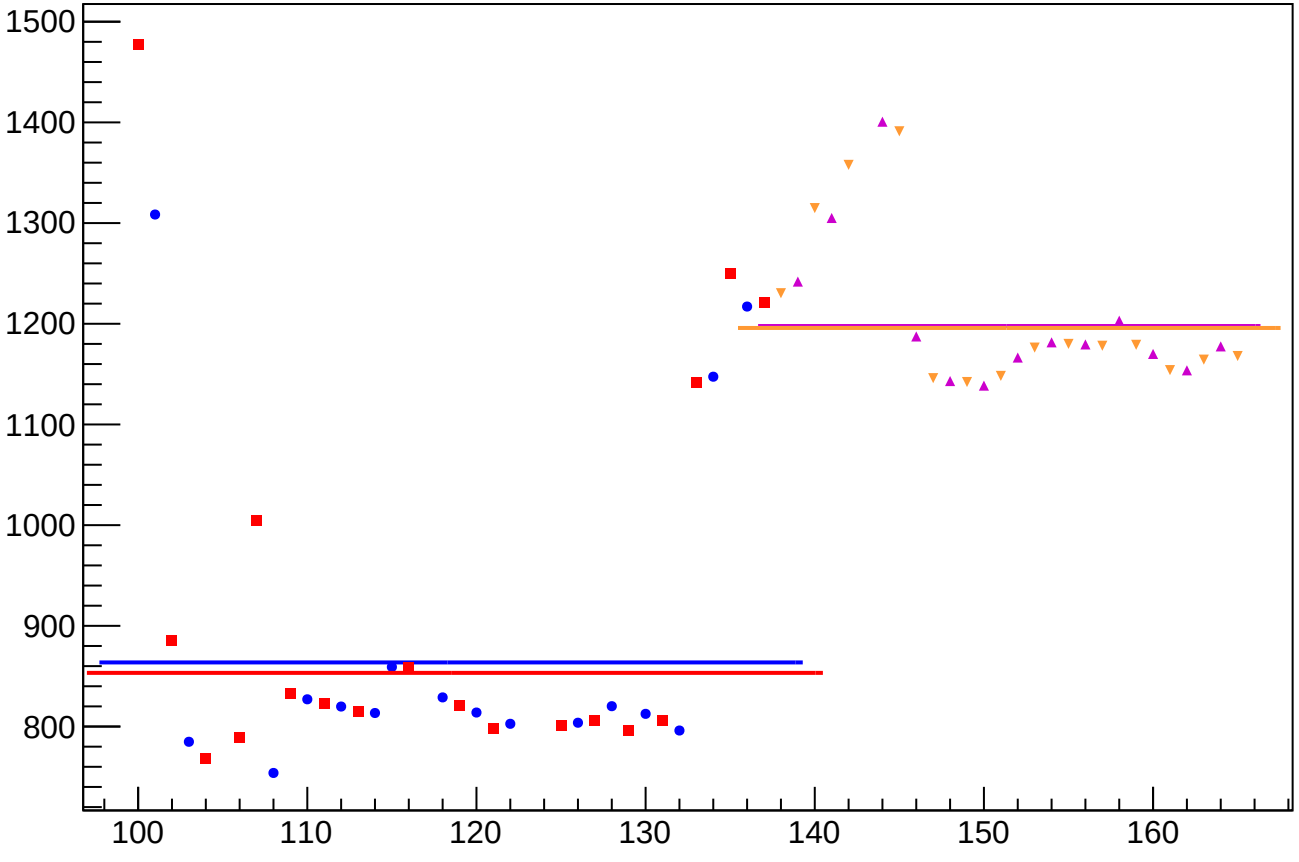
Left In: 724.589+/-362.236 χ^2/NDF:2.9/12

+ sign 208.265+/-242.044 χ^2/NDF: 45.4/29

All: 312.356+/-170.635 χ^2/NDF: 74.3/60

- sign 415.201+/-240.592 χ^2/NDF: 28.6/30

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1195.838+/-0.255 χ^2/NDF:74829.2/13

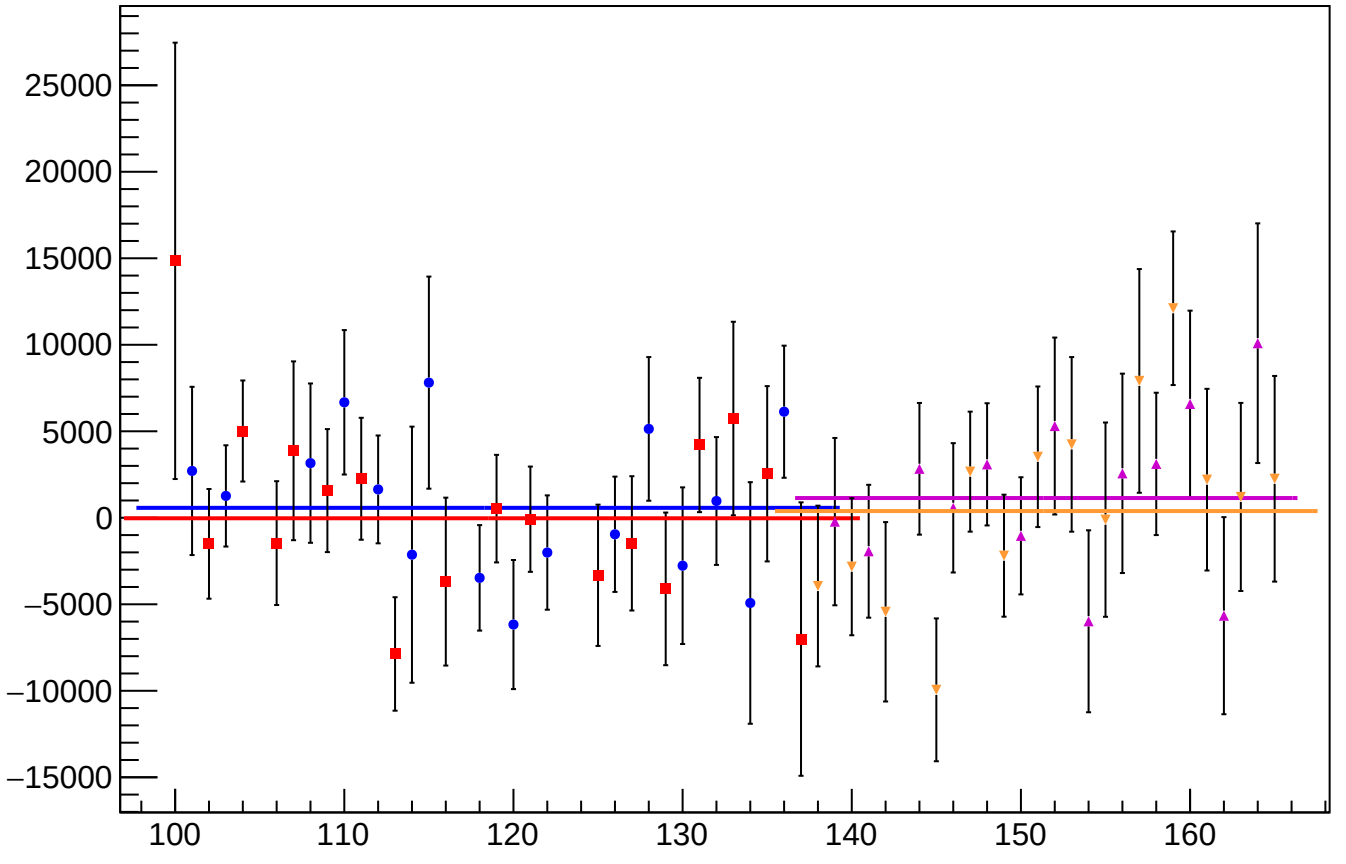
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1197.790+/-0.256 χ^2/NDF:66358.3/12

+ sign 1012.978+/-0.171 χ^2/NDF: 1414440.4/29

All: 1008.643+/-0.120 χ^2/NDF: 2772990.1/60

- sign 1004.384+/-0.170 χ^2/NDF: 1357277.8/30



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 388.518+/-1217.988 χ^2/NDF:19.8/13

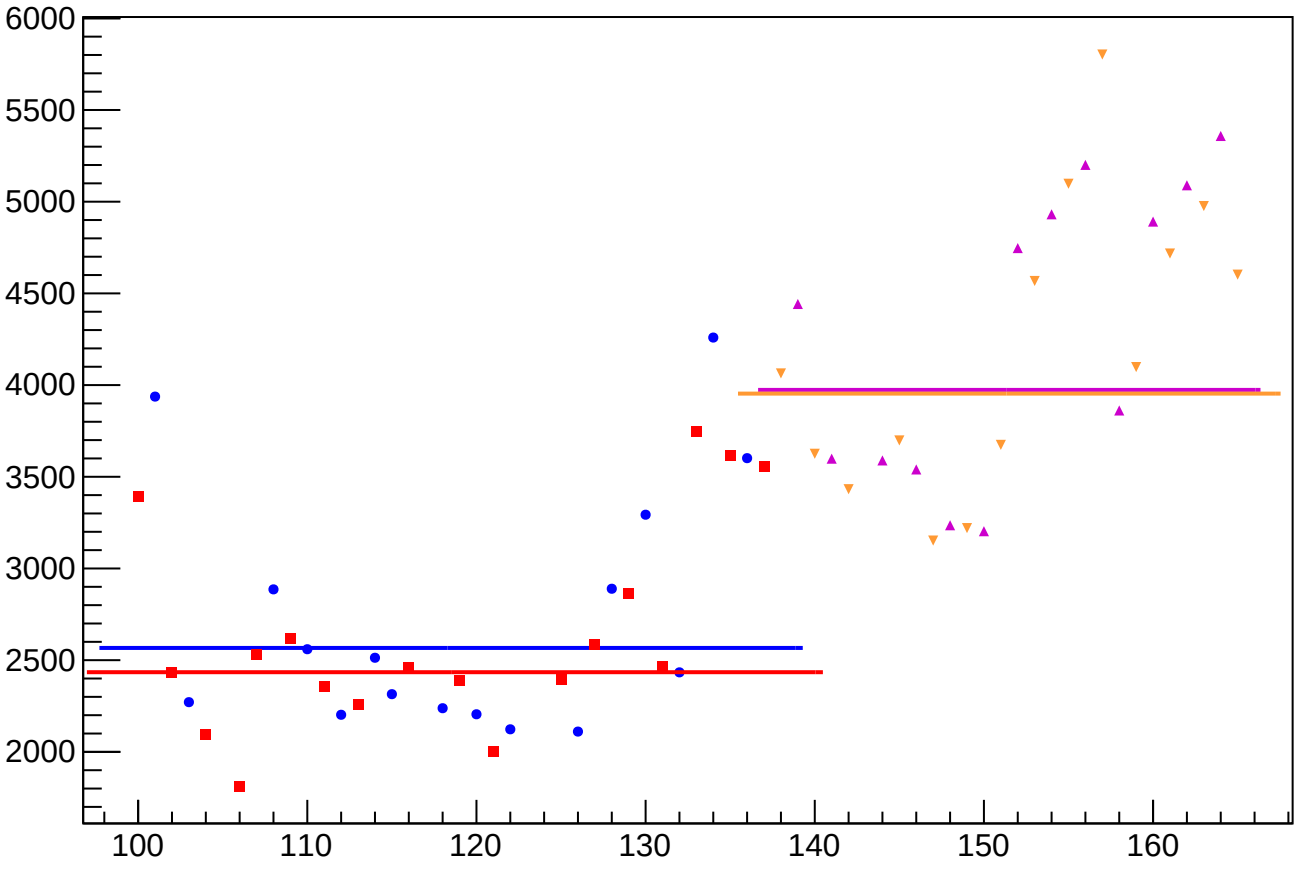
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 1141.382+/-1223.357 χ^2/NDF:8.6/12

\+ sign 501.708+/-763.465 χ^2/NDF: 34.5/29

All: 446.576+/-530.009 χ^2/NDF: 60.8/60

\- sign 395.289+/-736.362 χ^2/NDF: 26.3/30



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3953.506+/-0.861 χ^2/NDF:660716.8/13

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

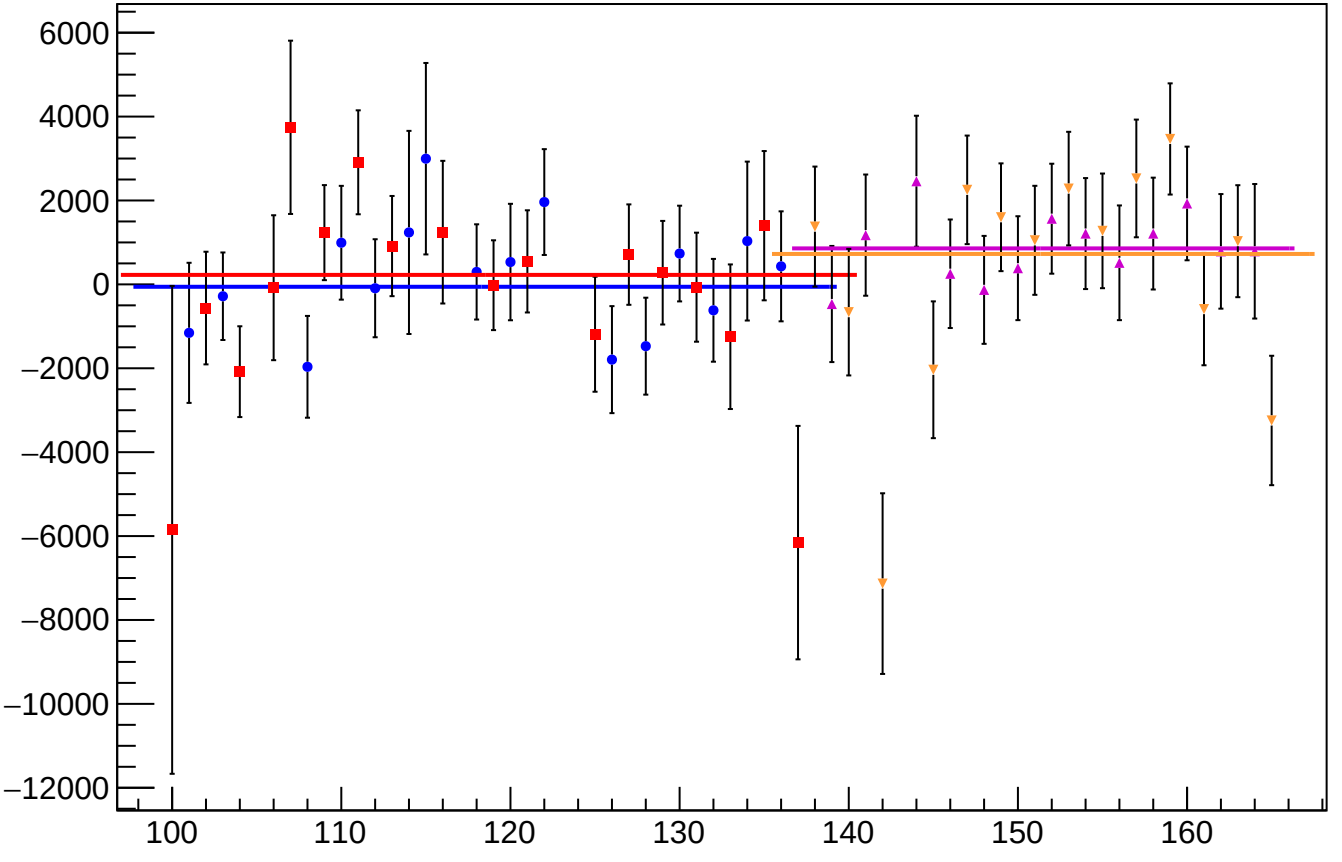
Left In: 3973.730+/-0.865 χ^2/NDF:694856.4/12

+ sign 3111.608+/-0.540 χ^2/NDF: 2900603.1/29

All: 3049.710+/-0.375 χ^2/NDF: 6074128.4/60

- sign 2992.128+/-0.521 χ^2/NDF: 3148149.0/30

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 725.150+/-377.602 χ^2/NDF:34.2/13

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

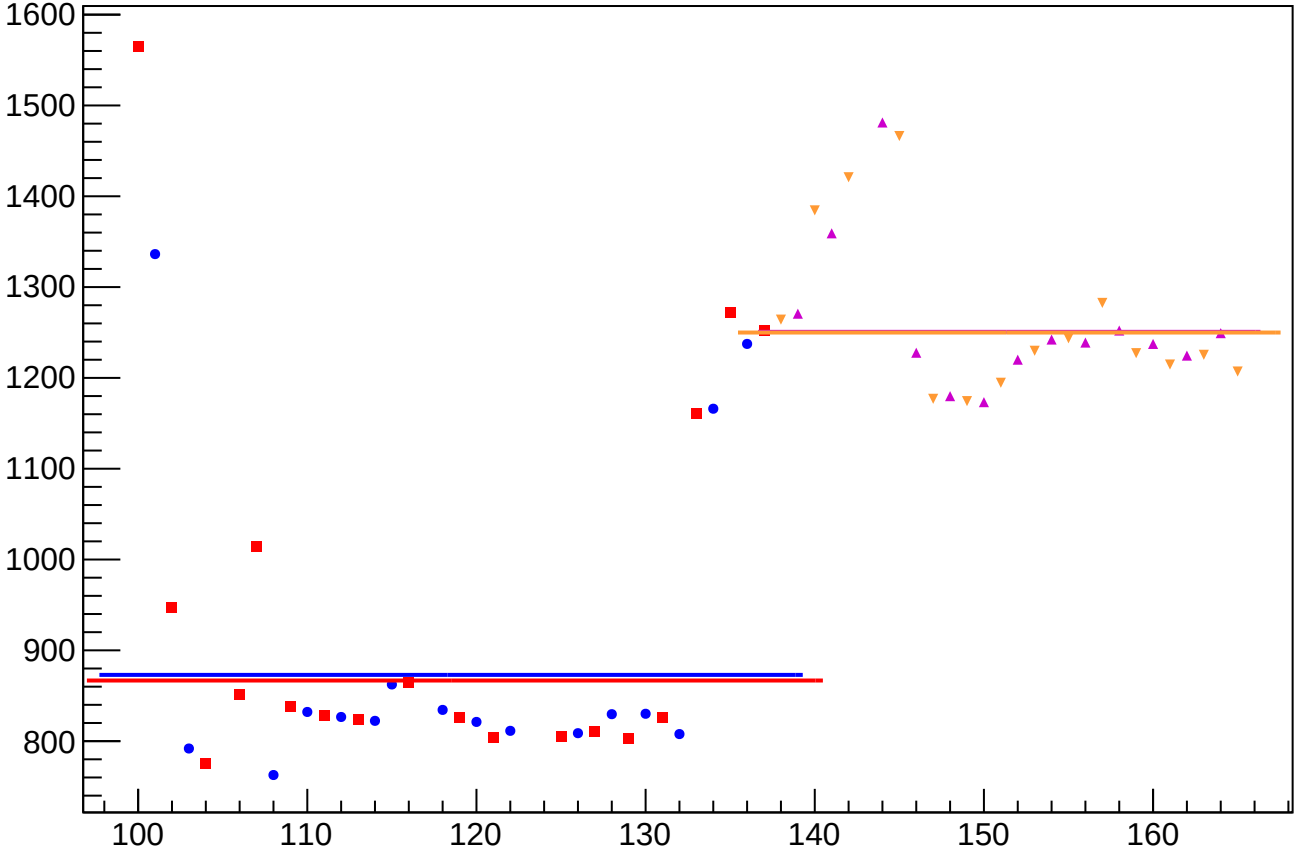
Left In: 857.561+/-378.346 χ^2/NDF:4.1/12

+ sign 281.680+/-248.519 χ^2/NDF: 49.6/29

All: 389.674+/-175.497 χ^2/NDF: 78.6/60

- sign 497.100+/-247.863 χ^2/NDF: 28.6/30

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1249.961+/-0.267 χ^2/NDF:86601.8/13

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

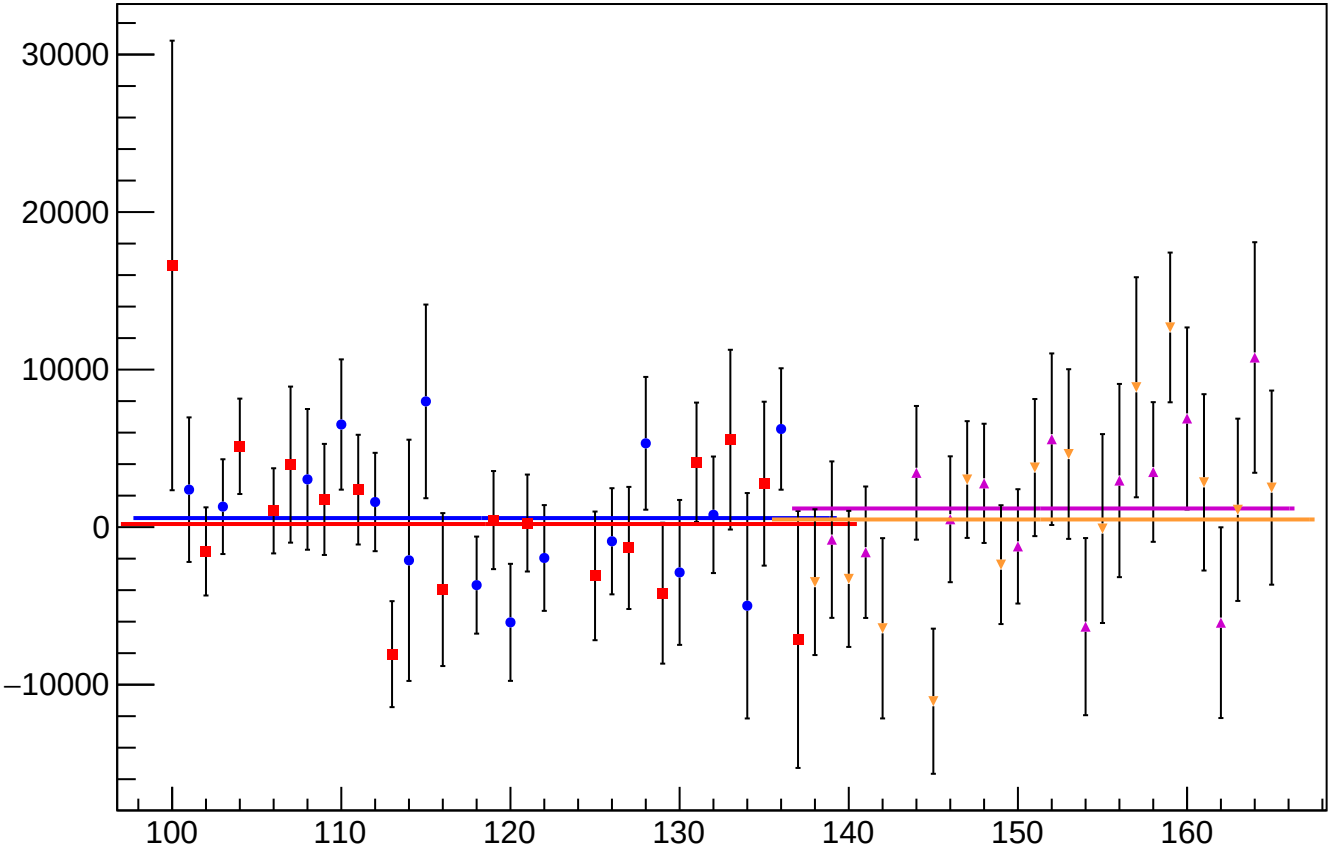
Left In: 1250.717+/-0.268 χ^2/NDF:72058.5/12

+ sign 1036.269+/-0.176 χ^2/NDF: 1633704.9/29

All: 1033.812+/-0.124 χ^2/NDF: 3173202.8/60

- sign 1031.370+/-0.175 χ^2/NDF: 1539108.0/30

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 486.796+/-1302.848 χ^2/NDF:19.8/13

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

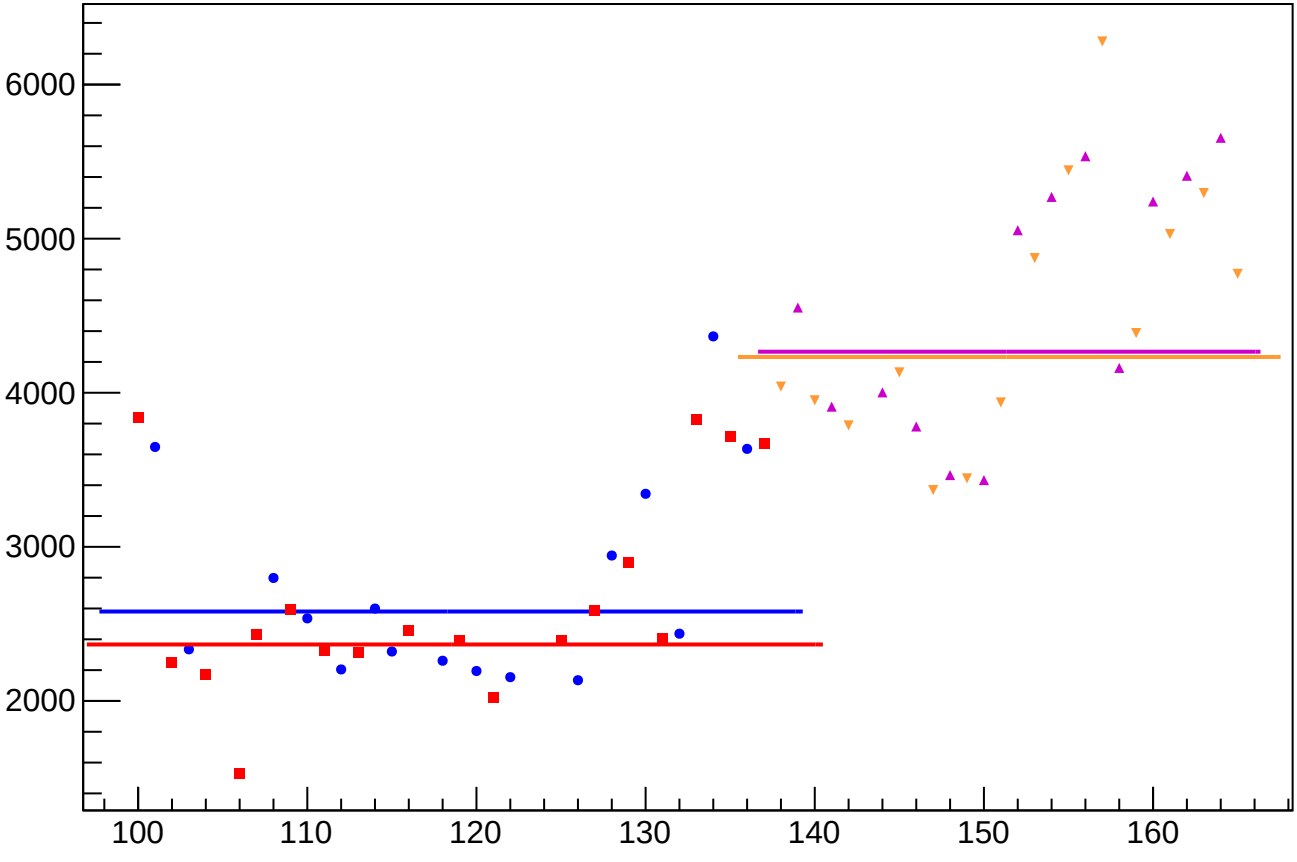
Left In: 1184.962+/-1312.269 χ^2/NDF:8.4/12

\+ sign 543.097+/-785.661 χ^2/NDF: 34.5/29

All: 526.006+/-538.256 χ^2/NDF: 60.5/60

\- sign 510.889+/-738.907 χ^2/NDF: 26.0/30

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4232.088+/-0.921 χ^2/NDF:637614.9/13

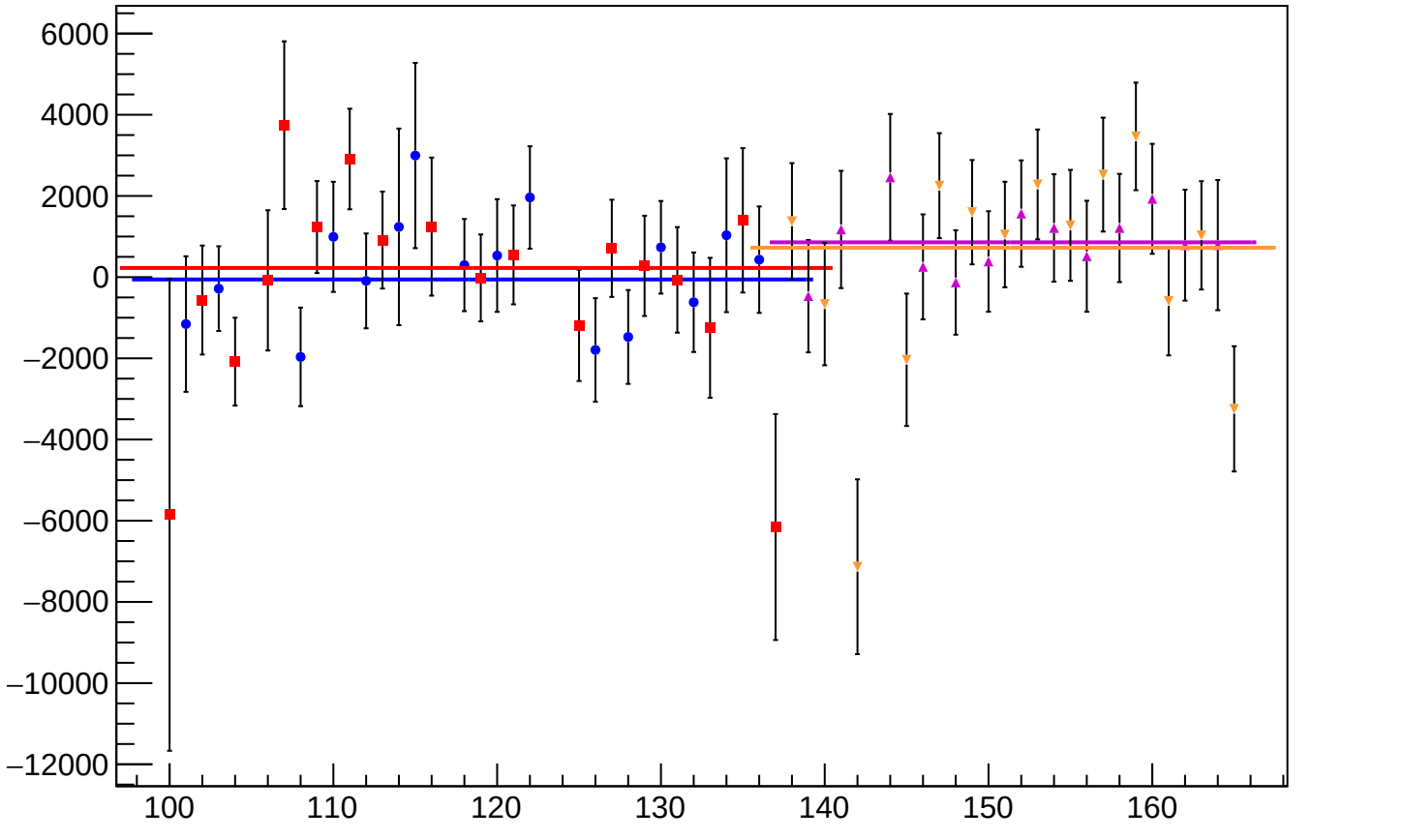
Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4266.370+/-0.928 χ^2/NDF:646015.3/12

+ sign 3181.021+/-0.556 χ^2/NDF: 3300308.9/29

All: 3068.409+/-0.381 χ^2/NDF: 7498698.3/60

- sign 2968.802+/-0.522 χ^2/NDF: 4120956.3/30



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 725.153+/-377.602 χ^2/NDF:34.2/13

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

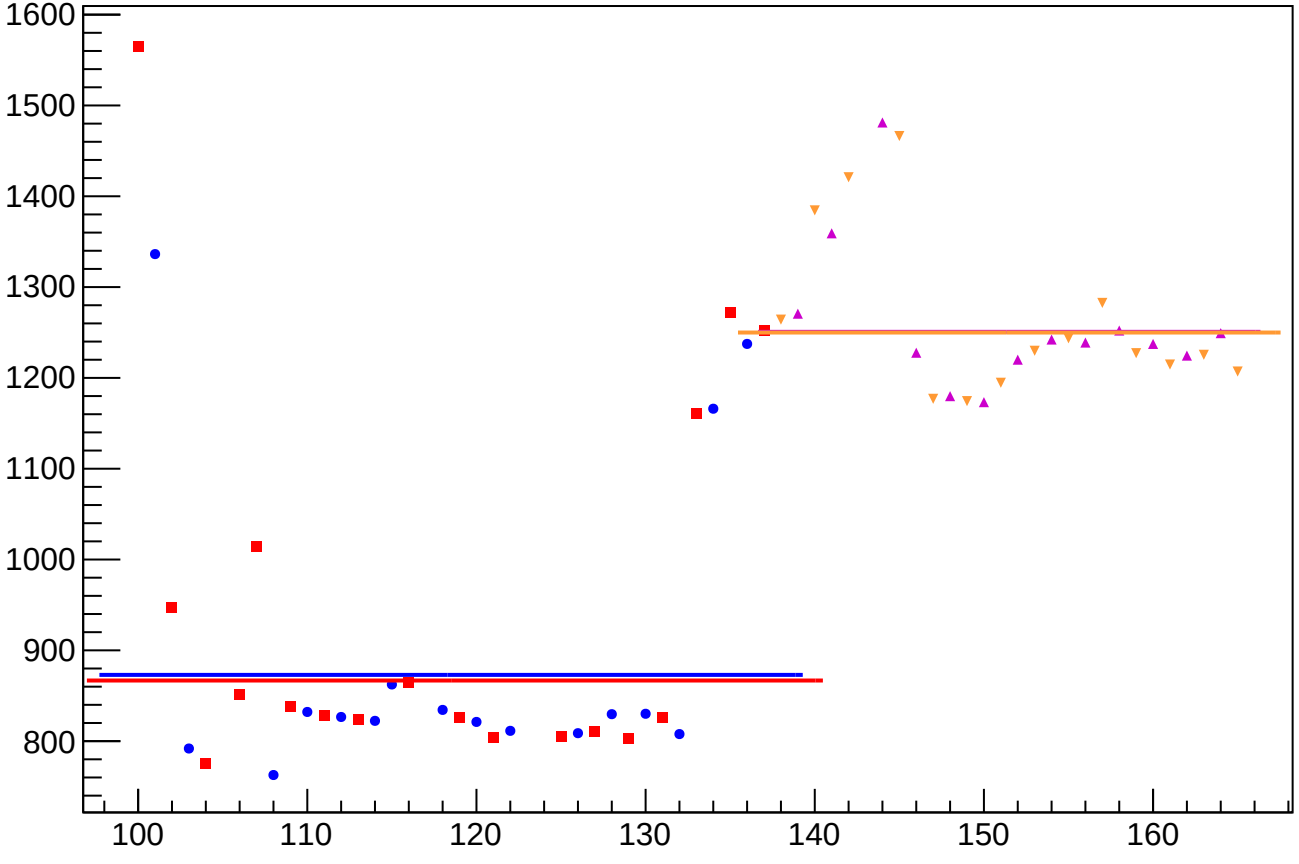
Left In: 857.561+/-378.346 χ^2/NDF:4.1/12

+ sign 281.679+/-248.519 χ^2/NDF: 49.6/29

All: 389.675+/-175.497 χ^2/NDF: 78.6/60

- sign 497.102+/-247.863 χ^2/NDF: 28.6/30

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1249.963+/-0.267 χ^2/NDF:86603.0/13

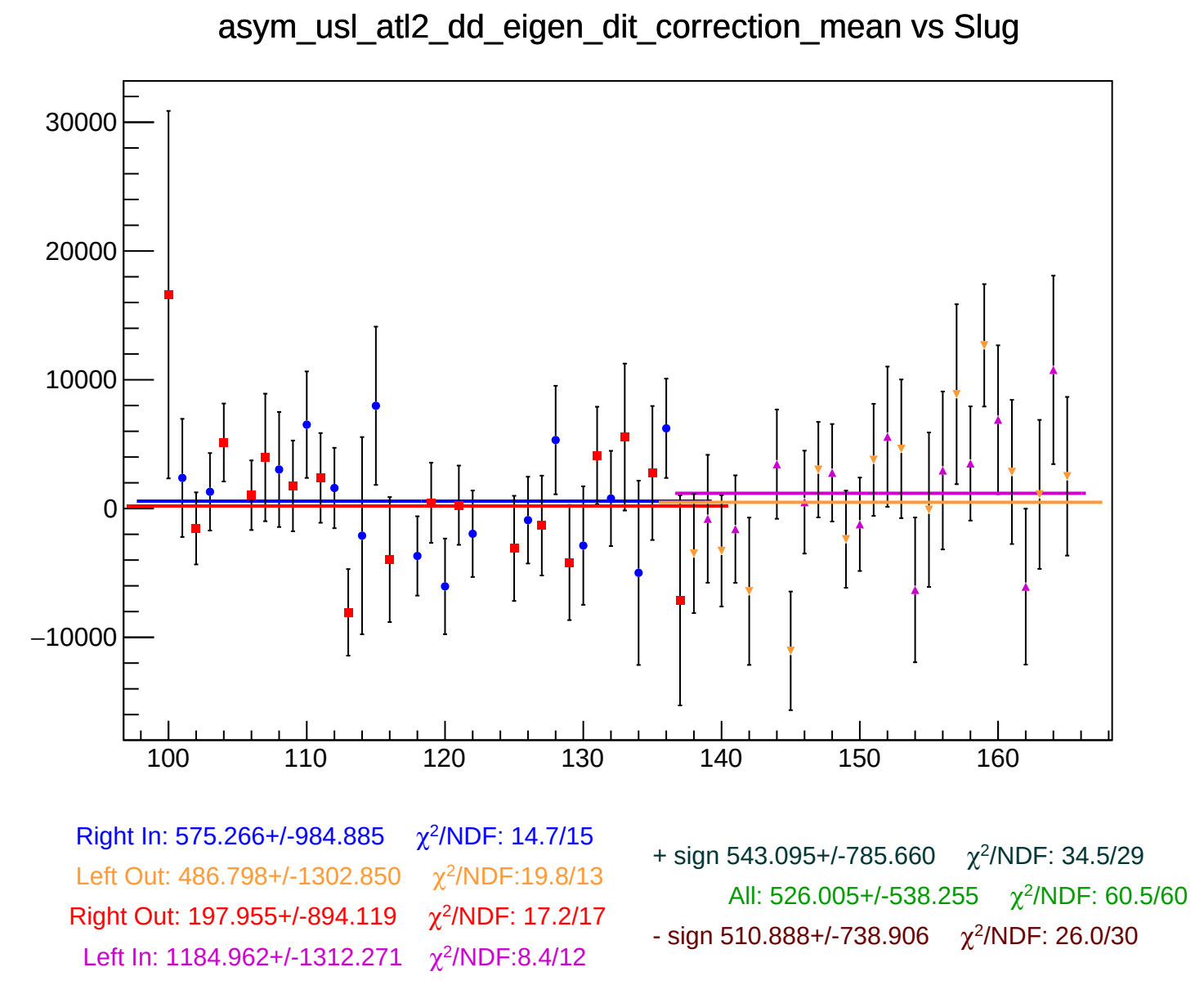
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1250.718+/-0.268 χ^2/NDF:72059.2/12

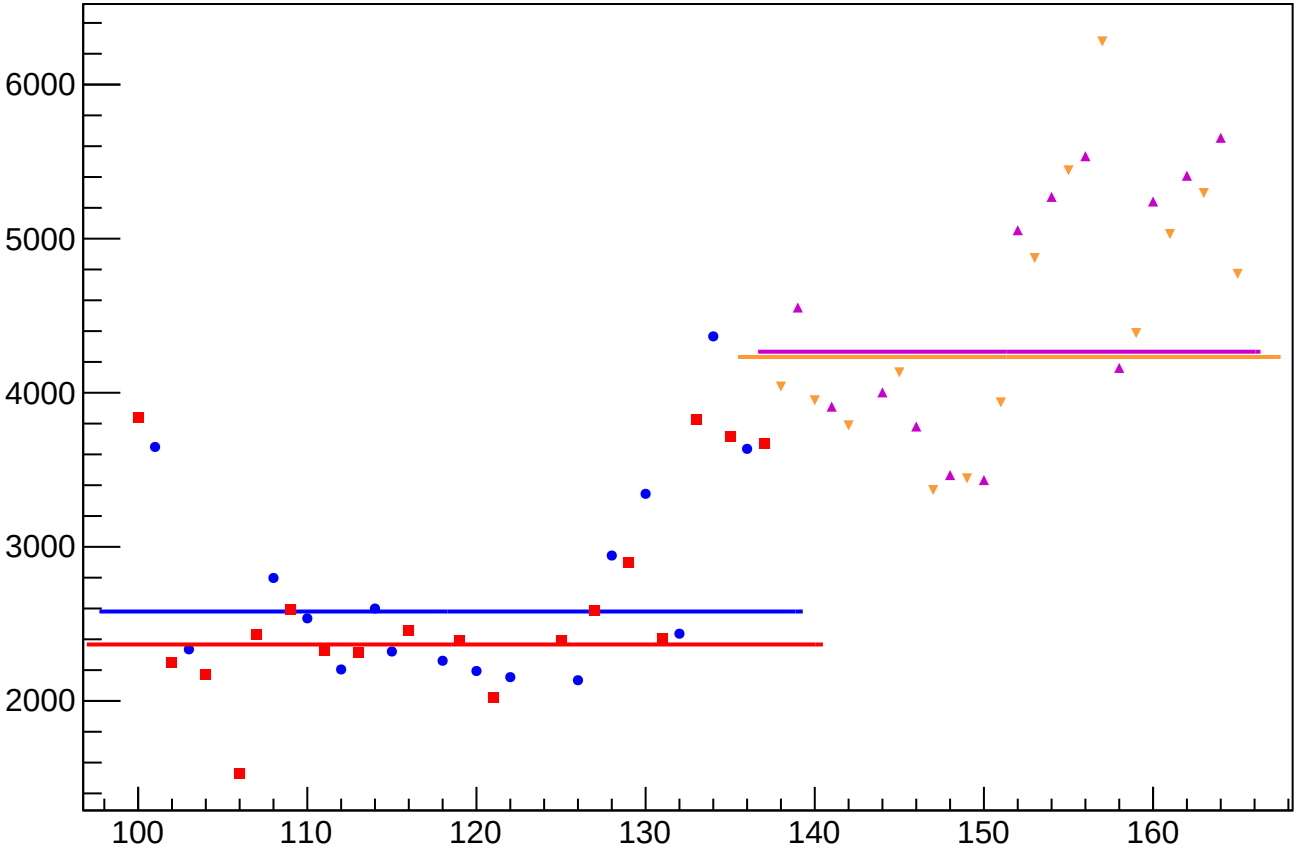
+ sign 1036.270+/-0.176 χ^2/NDF: 1633712.9/29

All: 1033.812+/-0.124 χ^2/NDF: 3173218.6/60

- sign 1031.370+/-0.175 χ^2/NDF: 1539115.8/30


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 575.266+/-984.885 χ²/NDF: 14.7/15
Left Out: 486.798+/-1302.850 χ²/NDF:19.8/13
Right Out: 197.955+/-894.119 χ²/NDF: 17.2/17
Left In: 1184.962+/-1312.271 χ²/NDF:8.4/12
+ sign 543.095+/-785.660 χ²/NDF: 34.5/29
All: 526.005+/-538.255 χ²/NDF: 60.5/60
- sign 510.888+/-738.906 χ²/NDF: 26.0/30

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4232.094+/-0.921 χ^2/NDF:637618.1/13

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

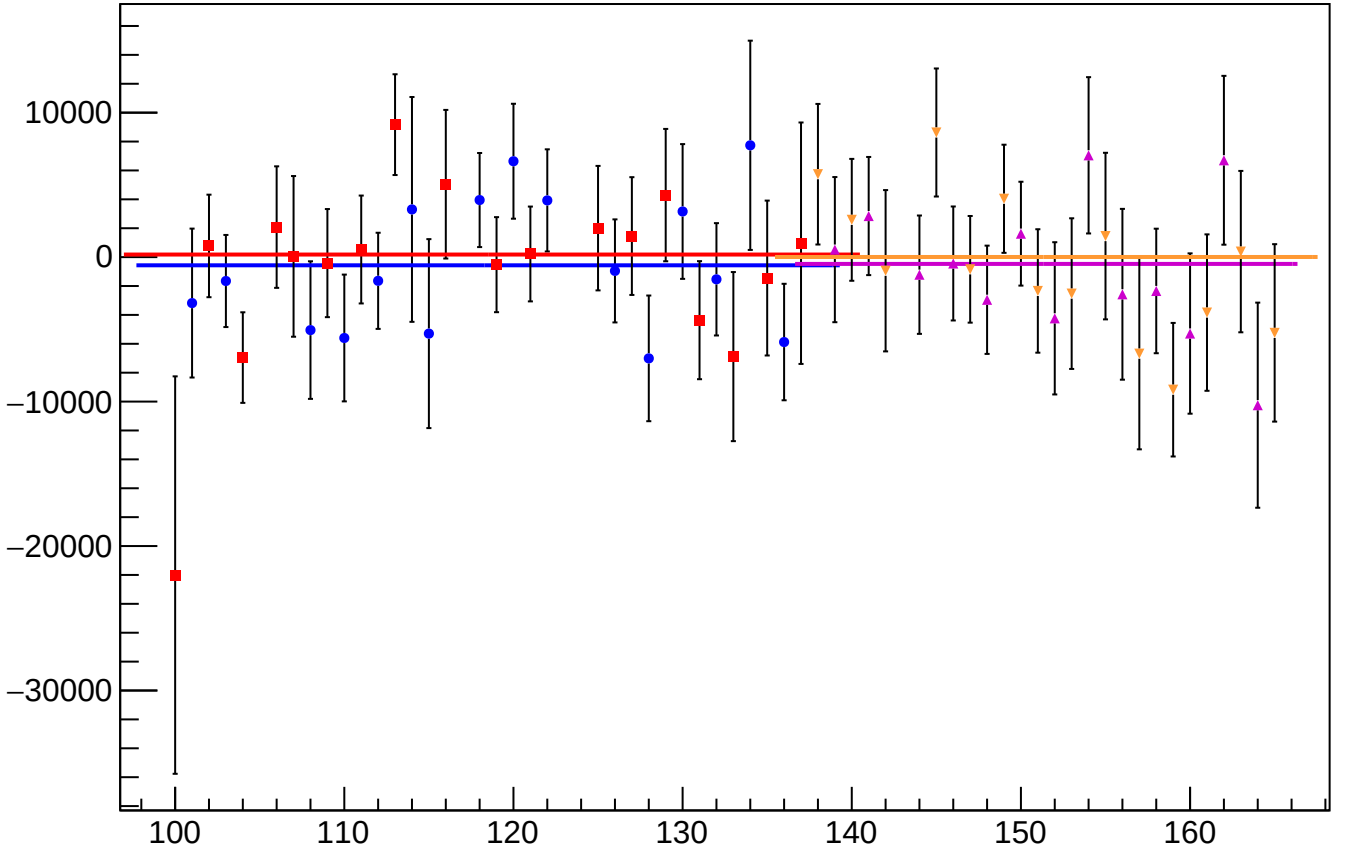
Left In: 4266.376+/-0.928 χ^2/NDF:646019.3/12

+ sign 3181.014+/-0.556 χ^2/NDF: 3300355.5/29

All: 3068.403+/-0.381 χ^2/NDF: 7498788.9/60

- sign 2968.795+/-0.522 χ^2/NDF: 4121000.2/30

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 9.423+/-1280.215 χ^2/NDF:13.6/13

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

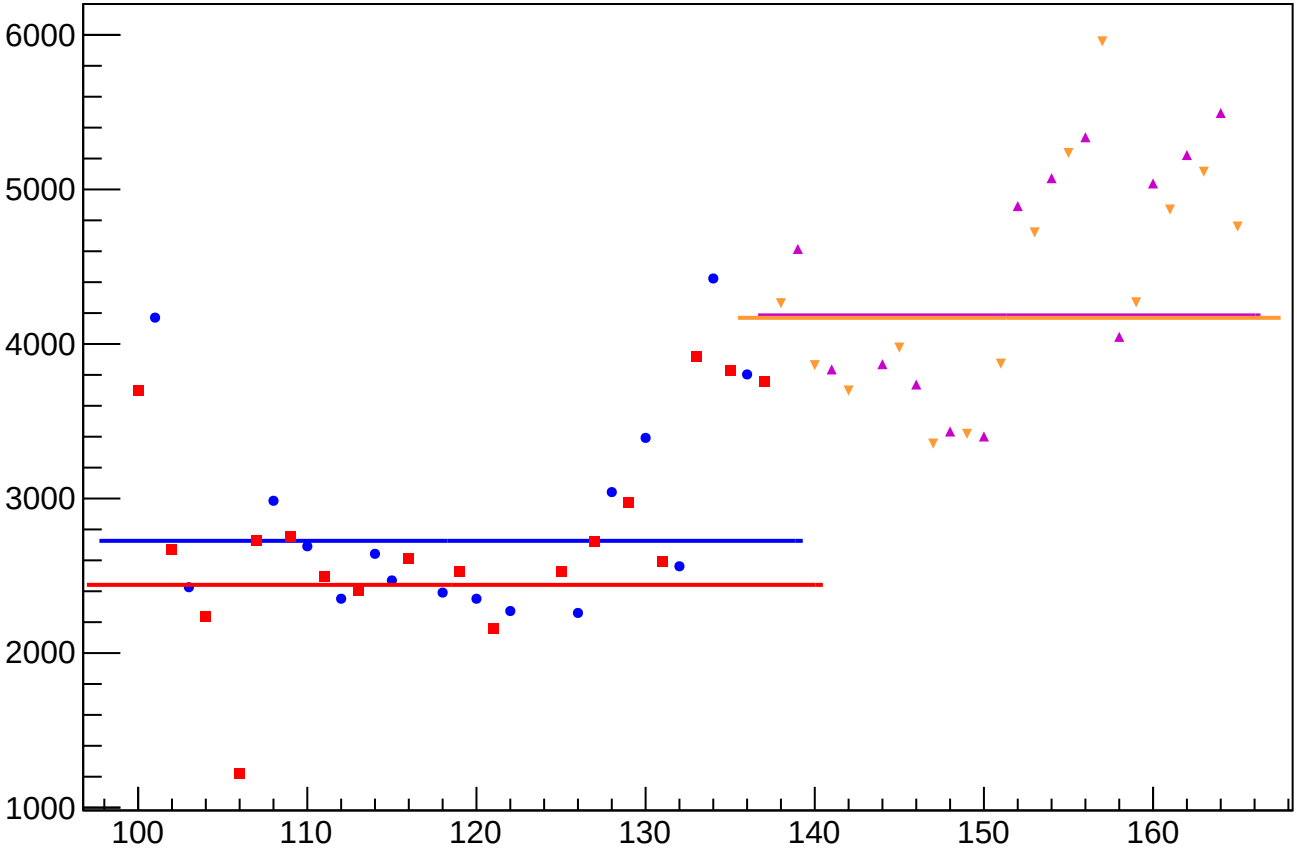
Left In: -470.301+/-1284.502 χ^2/NDF:8.4/12

+ sign -337.206+/-807.359 χ^2/NDF: 29.9/29

All: -195.824+/-562.201 χ^2/NDF: 58.1/60

- sign -62.732+/-783.331 χ^2/NDF: 28.1/30

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4169.366+/-0.905 χ^2/NDF:563593.6/13

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

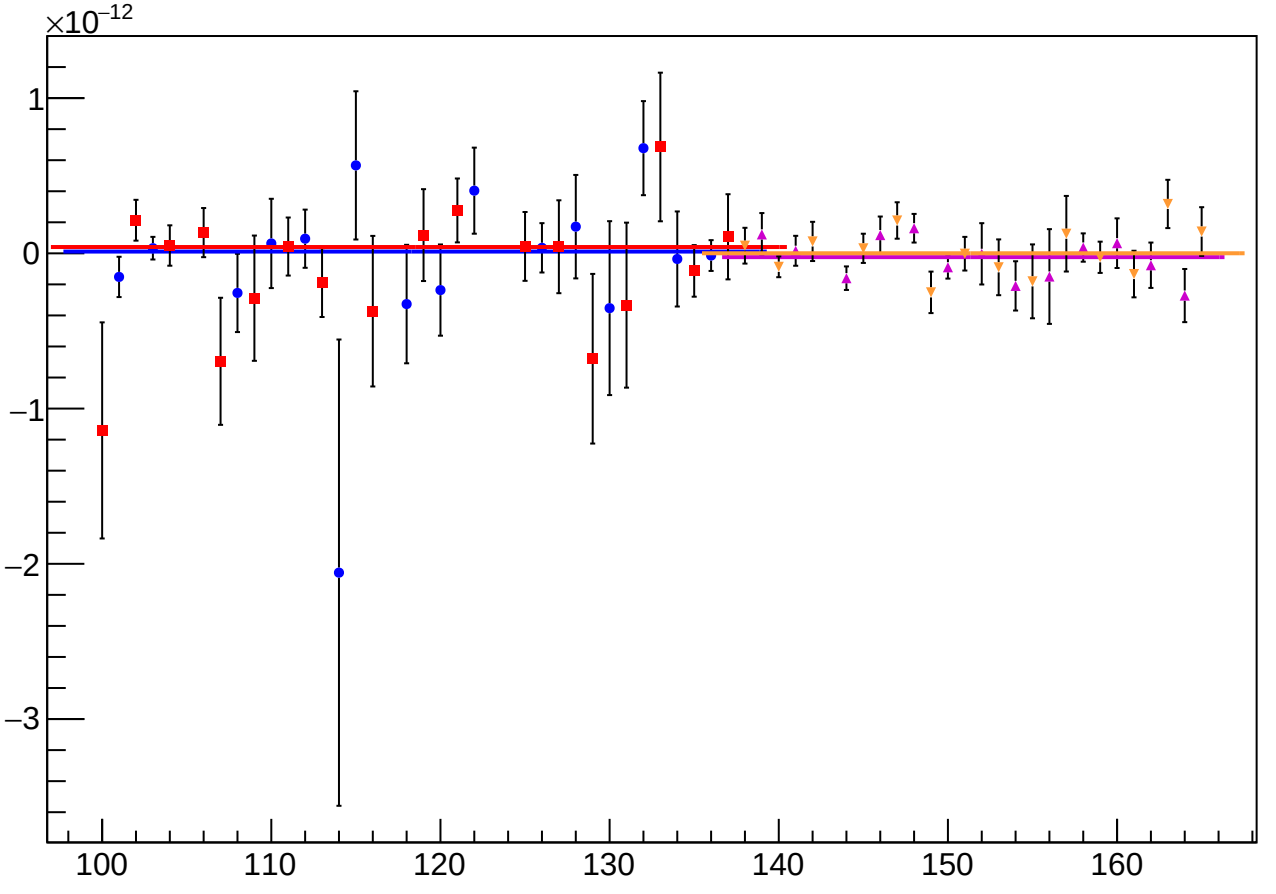
Left In: 4184.940+/-0.908 χ^2/NDF:588754.1/12

+ sign 3300.181+/-0.571 χ^2/NDF: 2717349.1/29

All: 3168.717+/-0.391 χ^2/NDF: 6691445.7/60

- sign 3052.146+/-0.538 χ^2/NDF: 3874046.0/30

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/13

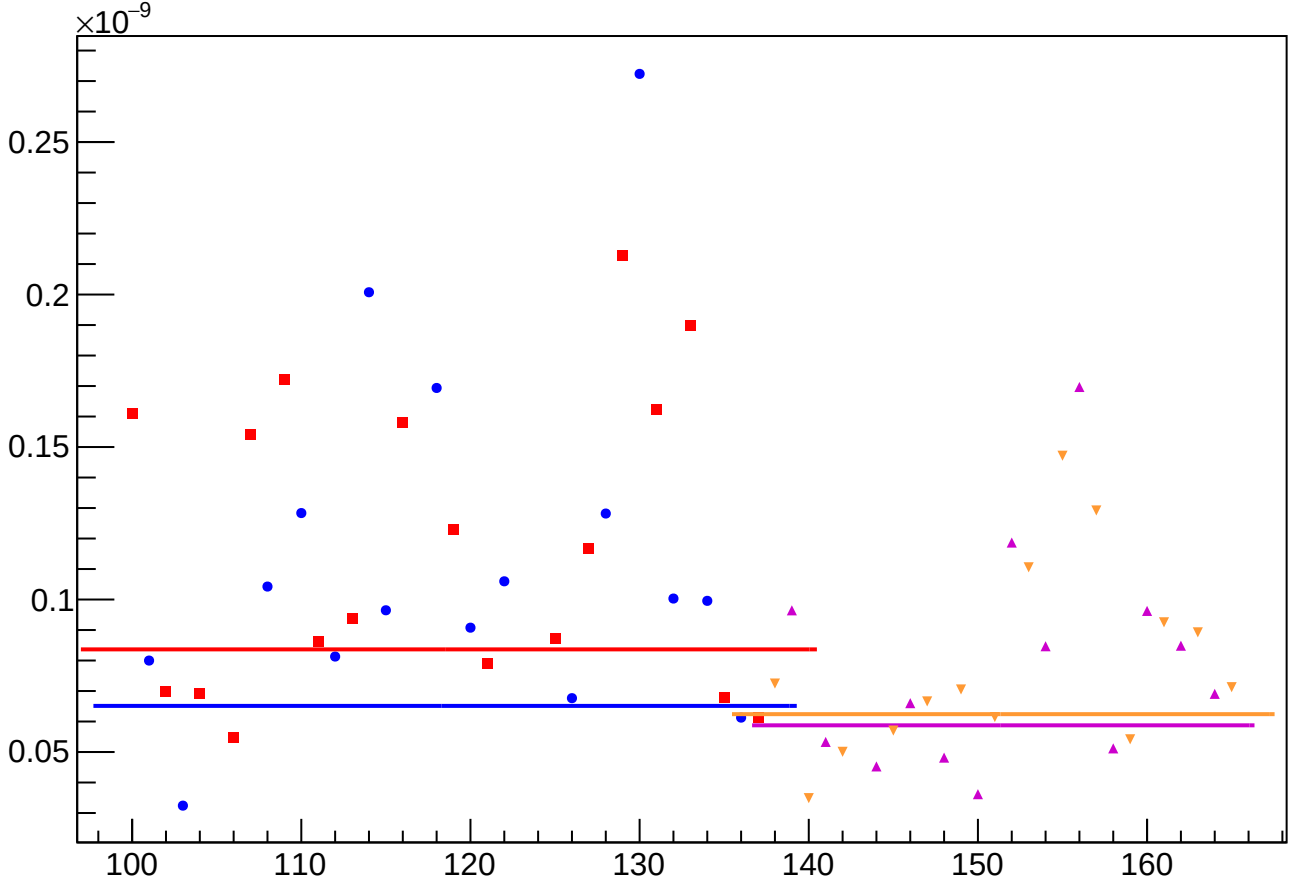
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:15.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 31.5/29

All: -0.000+/-0.000 χ^2/NDF: 65.0/60

- sign -0.000+/-0.000 χ^2/NDF: 33.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1097131.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

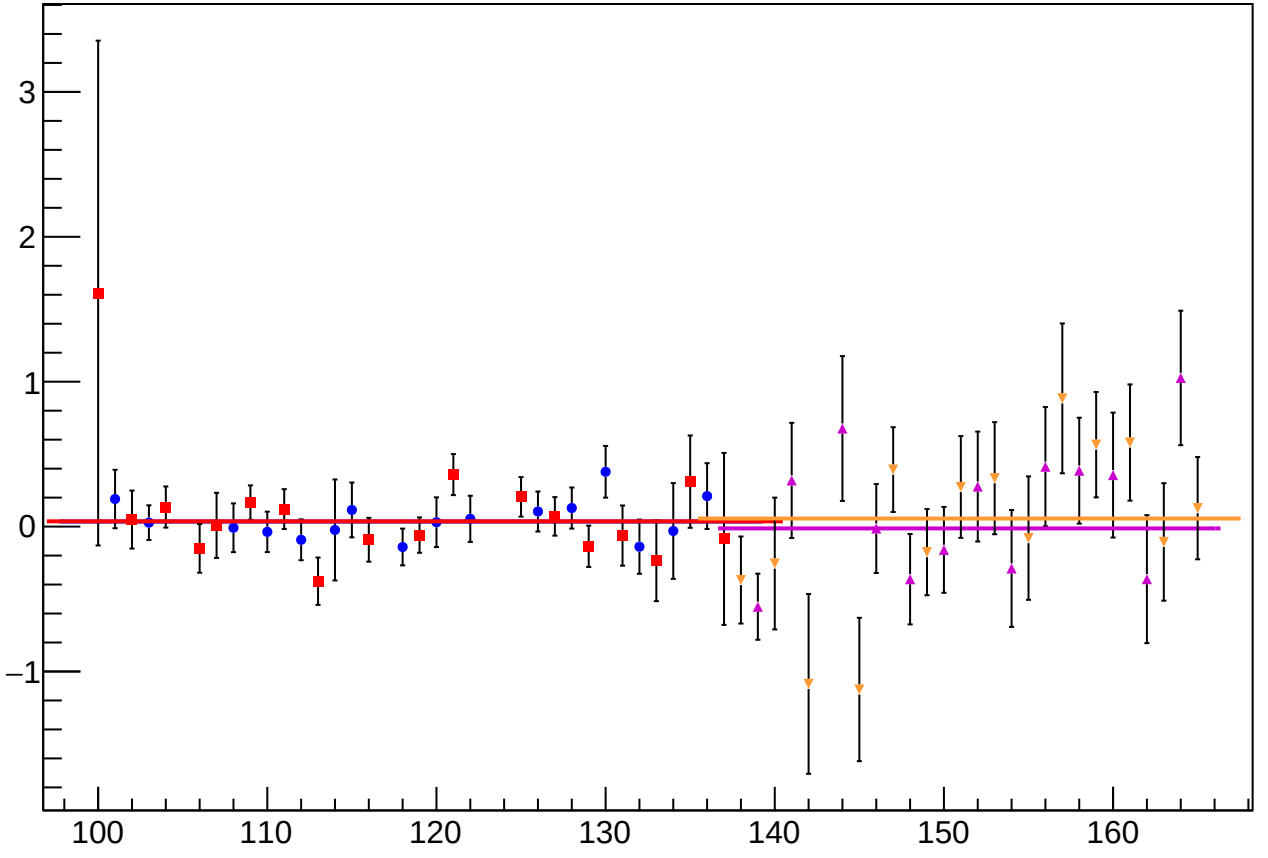
Left In: 0.000+/-0.000 χ^2/NDF:1141369.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 2324698.1/29

All: 0.000+/-0.000 χ^2/NDF: 4486702.6/60

- sign 0.000+/-0.000 χ^2/NDF: 2157554.6/30

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: 0.056+/-0.101 χ^2/NDF:20.9/13

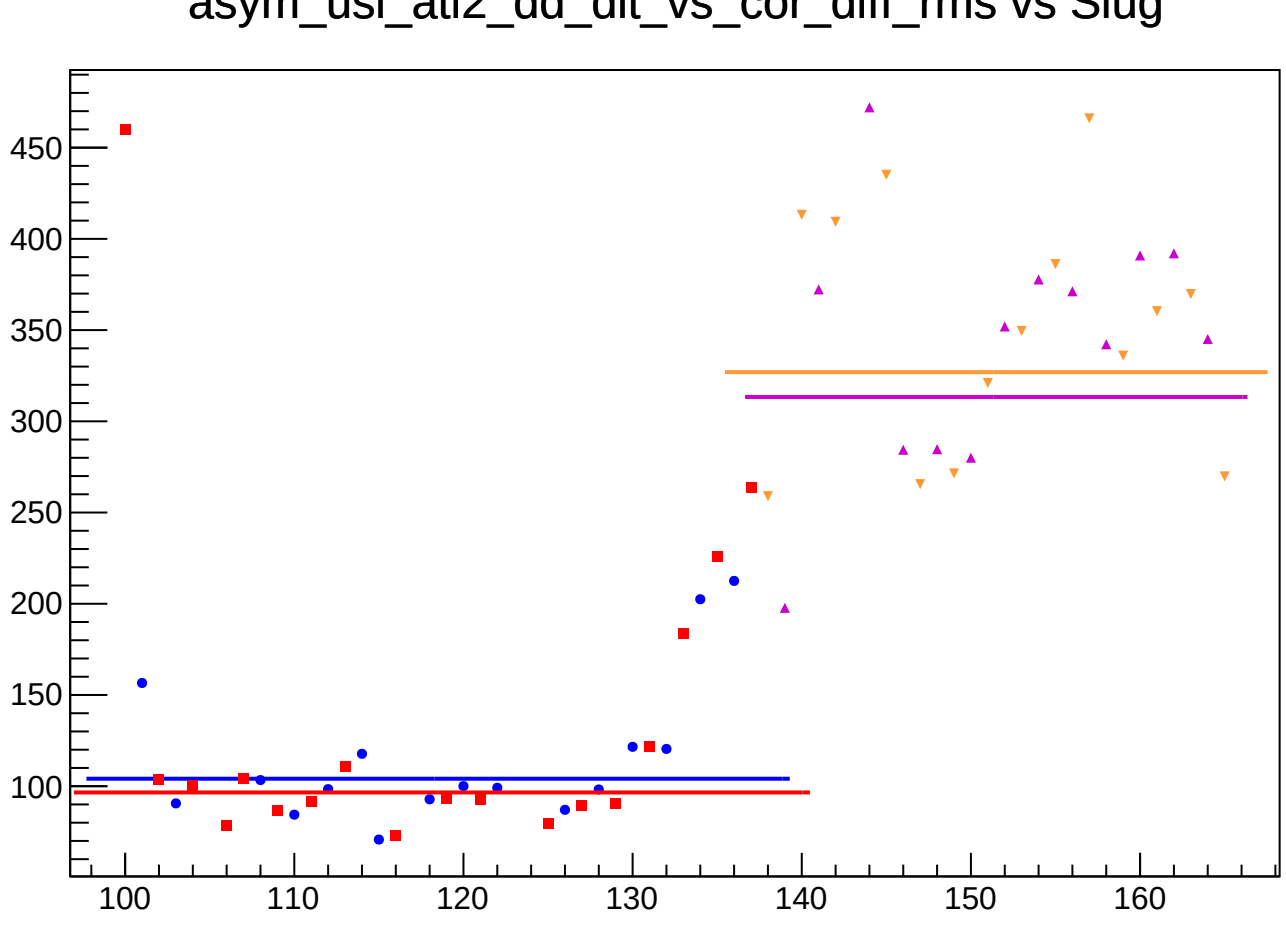
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.013+/-0.098 χ^2/NDF:19.4/12

\+ sign 0.038+/-0.038 χ^2/NDF: 30.7/29

All: 0.034+/-0.026 χ^2/NDF: 72.4/60

\- sign 0.030+/-0.036 χ^2/NDF: 41.7/30



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 326.951+/-0.072 χ^2/NDF:743856.3/13

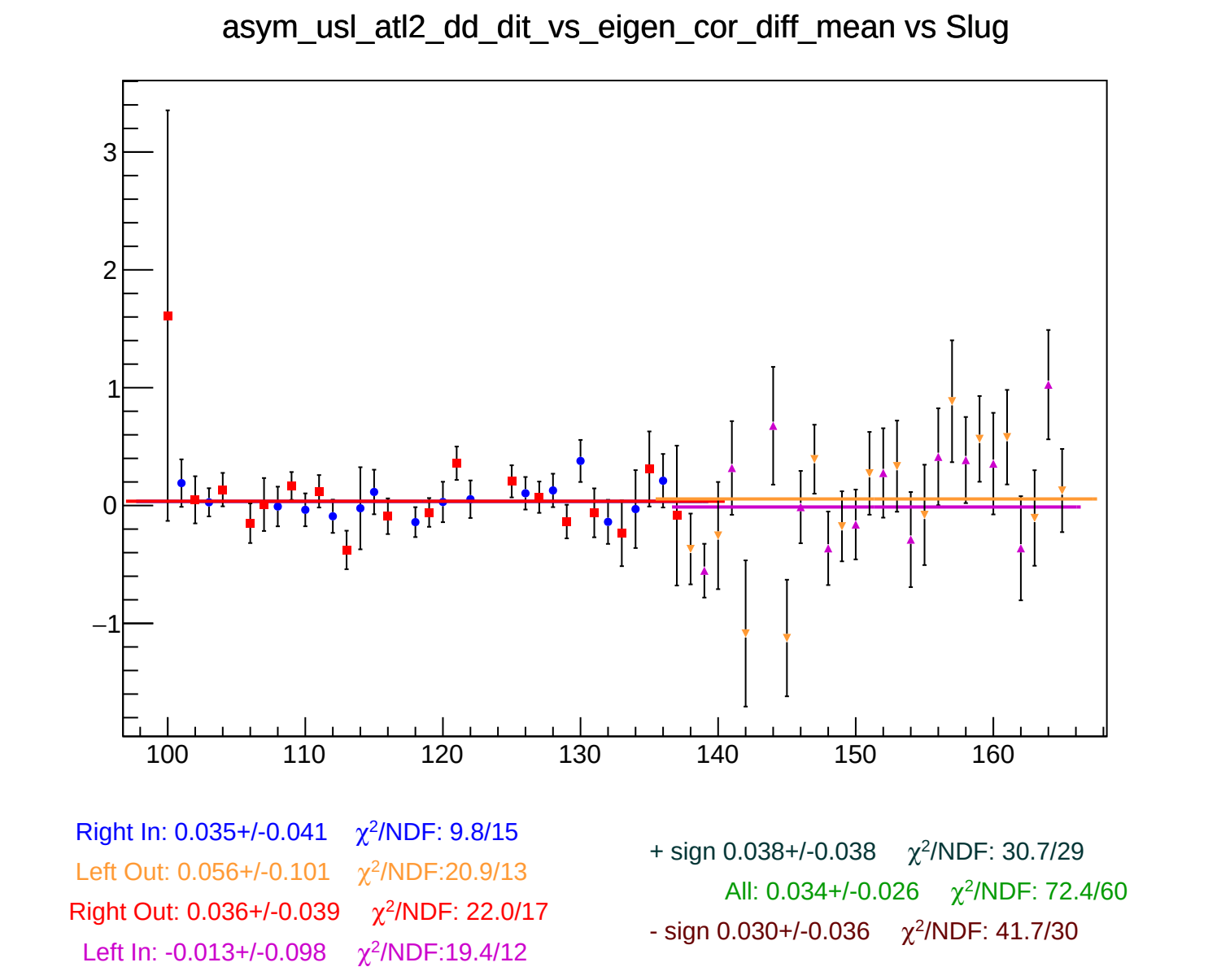
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

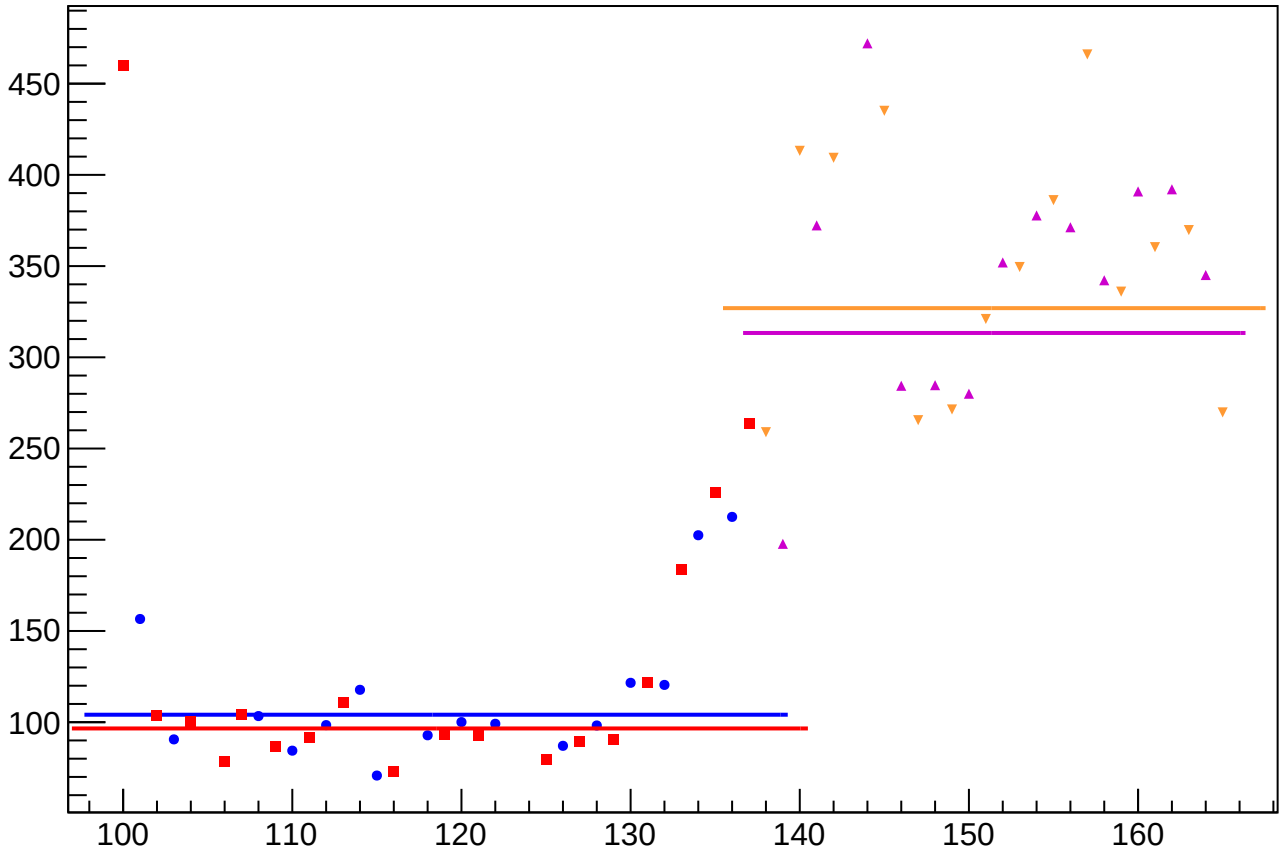
Left In: 313.342+/-0.070 χ^2/NDF:1080793.8/12

+ sign 135.533+/-0.027 χ^2/NDF: 10055550.2/29

All: 130.484+/-0.019 χ^2/NDF: 20567138.7/60

- sign 125.916+/-0.026 χ^2/NDF: 10444434.1/30


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.056+/-0.101 χ²/NDF:20.9/13
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.013+/-0.098 χ²/NDF:19.4/12
+ sign 0.038+/-0.038 χ²/NDF: 30.7/29
All: 0.034+/-0.026 χ²/NDF: 72.4/60
- sign 0.030+/-0.036 χ²/NDF: 41.7/30



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 326.951+/-0.072 χ^2/NDF:743856.3/13

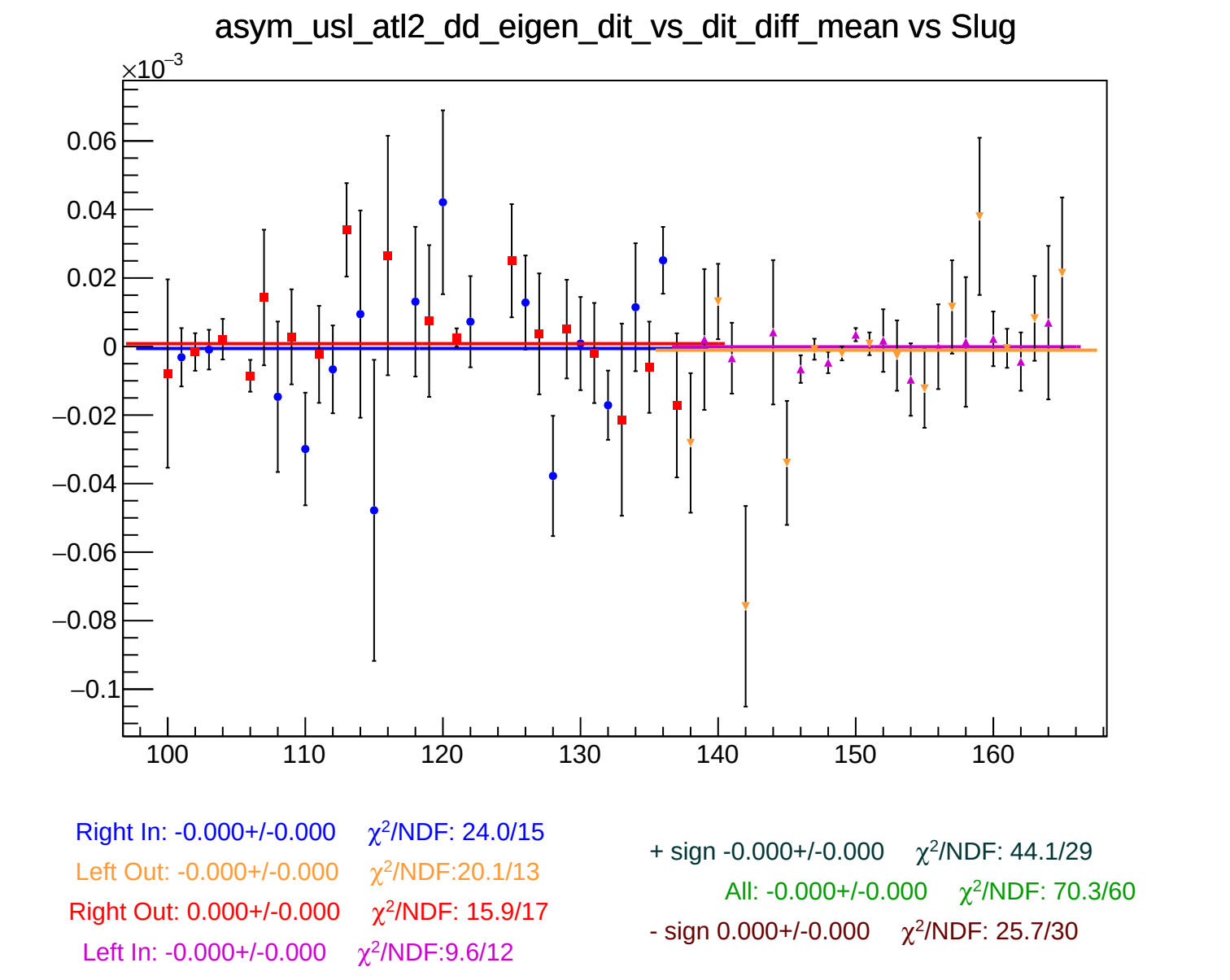
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

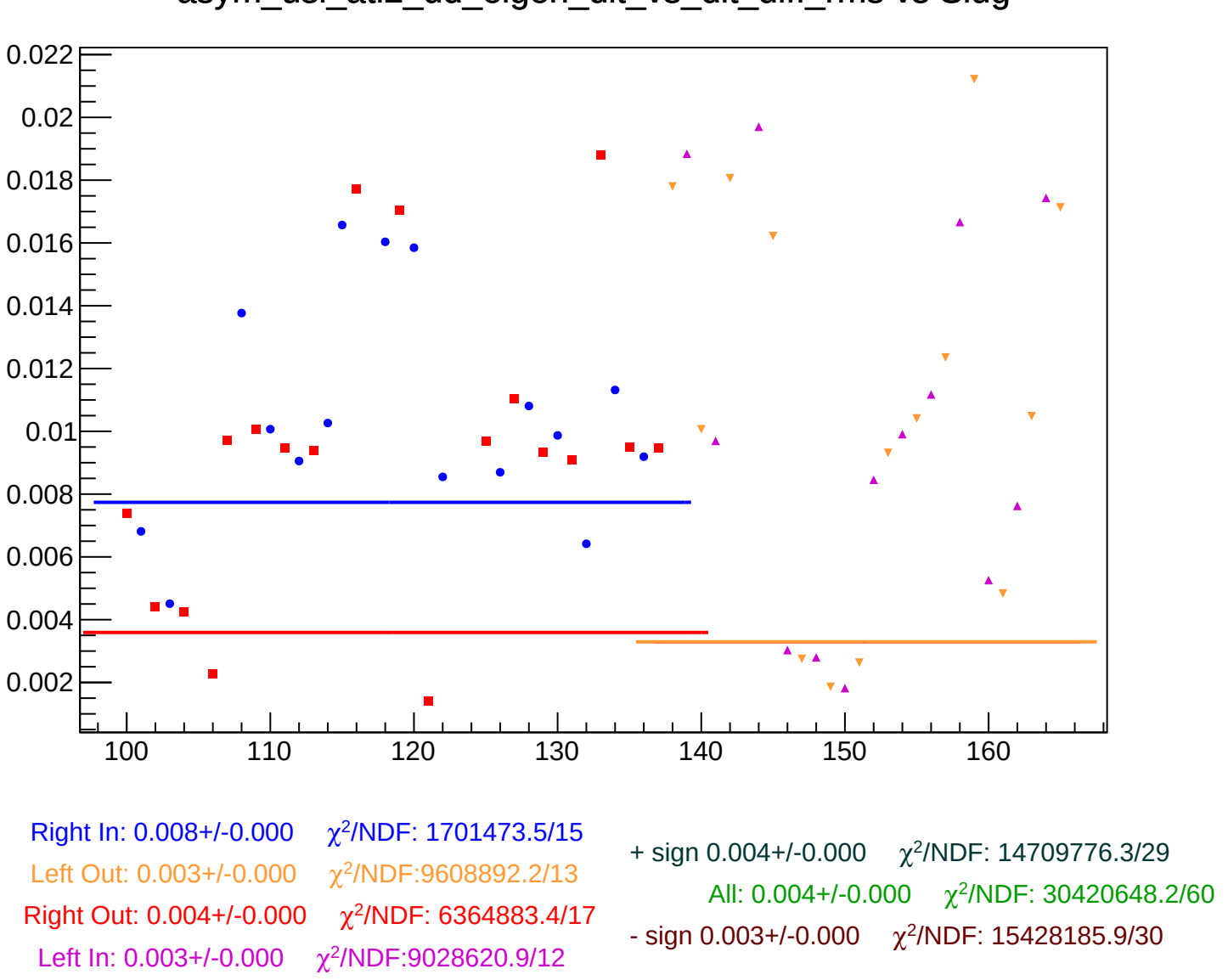
Left In: 313.342+/-0.070 χ^2/NDF:1080793.8/12

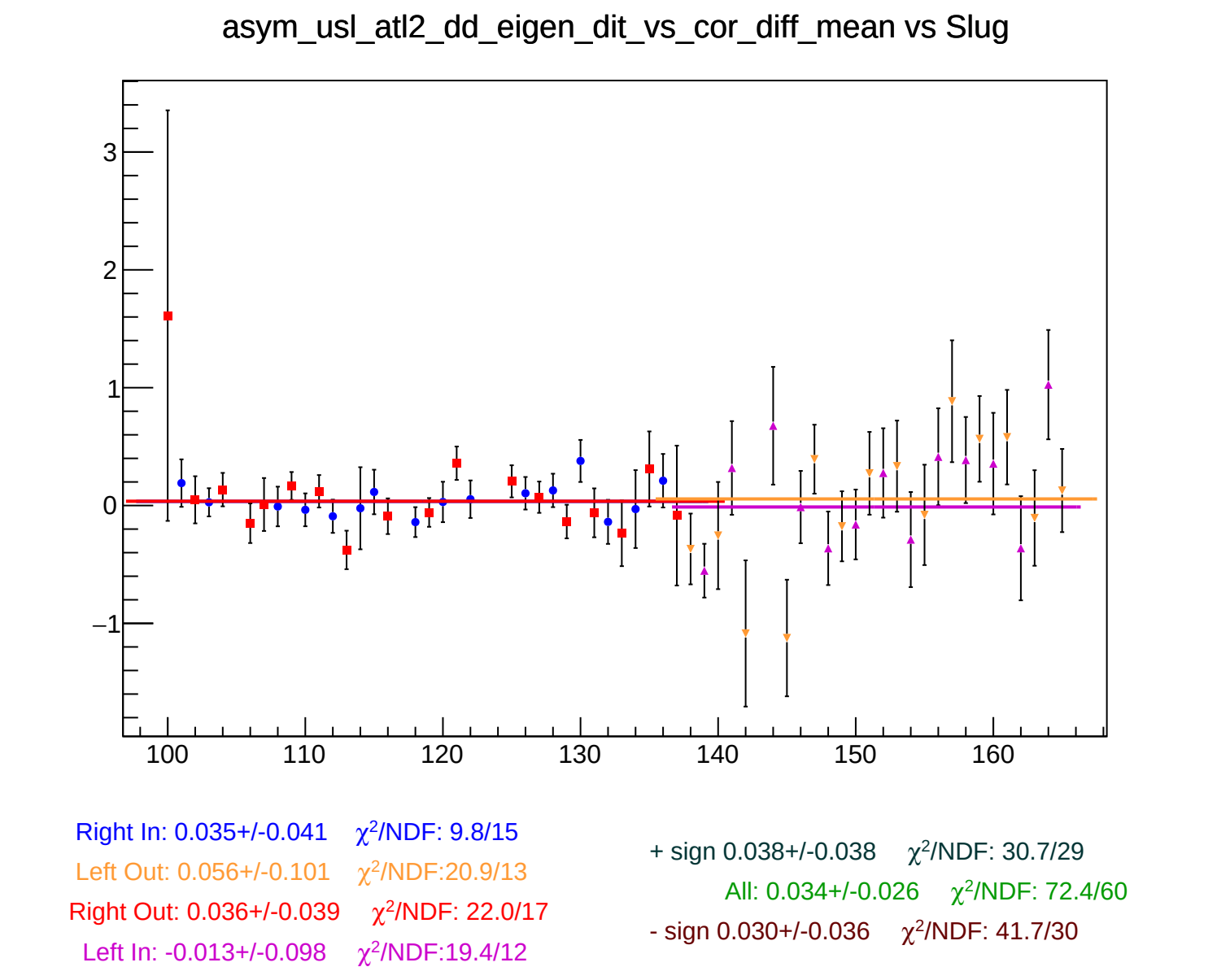
+ sign 135.533+/-0.027 χ^2/NDF: 10055550.2/29

All: 130.484+/-0.019 χ^2/NDF: 20567138.7/60

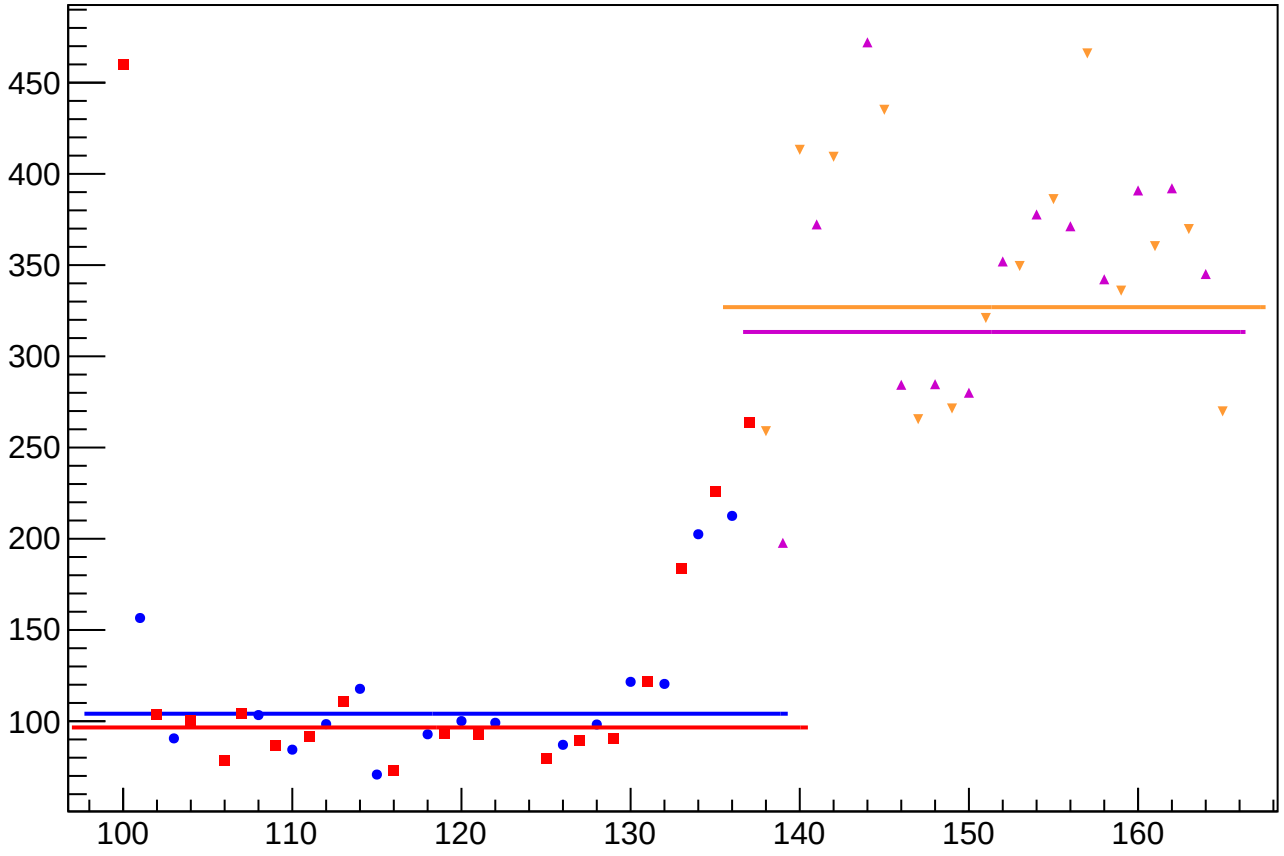
- sign 125.916+/-0.026 χ^2/NDF: 10444434.1/30


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:20.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:9.6/12
+ sign -0.000+/-0.000 χ²/NDF: 44.1/29
All: -0.000+/-0.000 χ²/NDF: 70.3/60
- sign 0.000+/-0.000 χ²/NDF: 25.7/30


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.008+/-0.000 χ²/NDF: 1701473.5/15
Left Out: 0.003+/-0.000 χ²/NDF:9608892.2/13
Right Out: 0.004+/-0.000 χ²/NDF: 6364883.4/17
Left In: 0.003+/-0.000 χ²/NDF:9028620.9/12
+ sign 0.004+/-0.000 χ²/NDF: 14709776.3/29
All: 0.004+/-0.000 χ²/NDF: 30420648.2/60
- sign 0.003+/-0.000 χ²/NDF: 15428185.9/30


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.056+/-0.101 χ²/NDF:20.9/13
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.013+/-0.098 χ²/NDF:19.4/12
+ sign 0.038+/-0.038 χ²/NDF: 30.7/29
All: 0.034+/-0.026 χ²/NDF: 72.4/60
- sign 0.030+/-0.036 χ²/NDF: 41.7/30

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 326.955+/-0.072 χ^2/NDF:743895.0/13

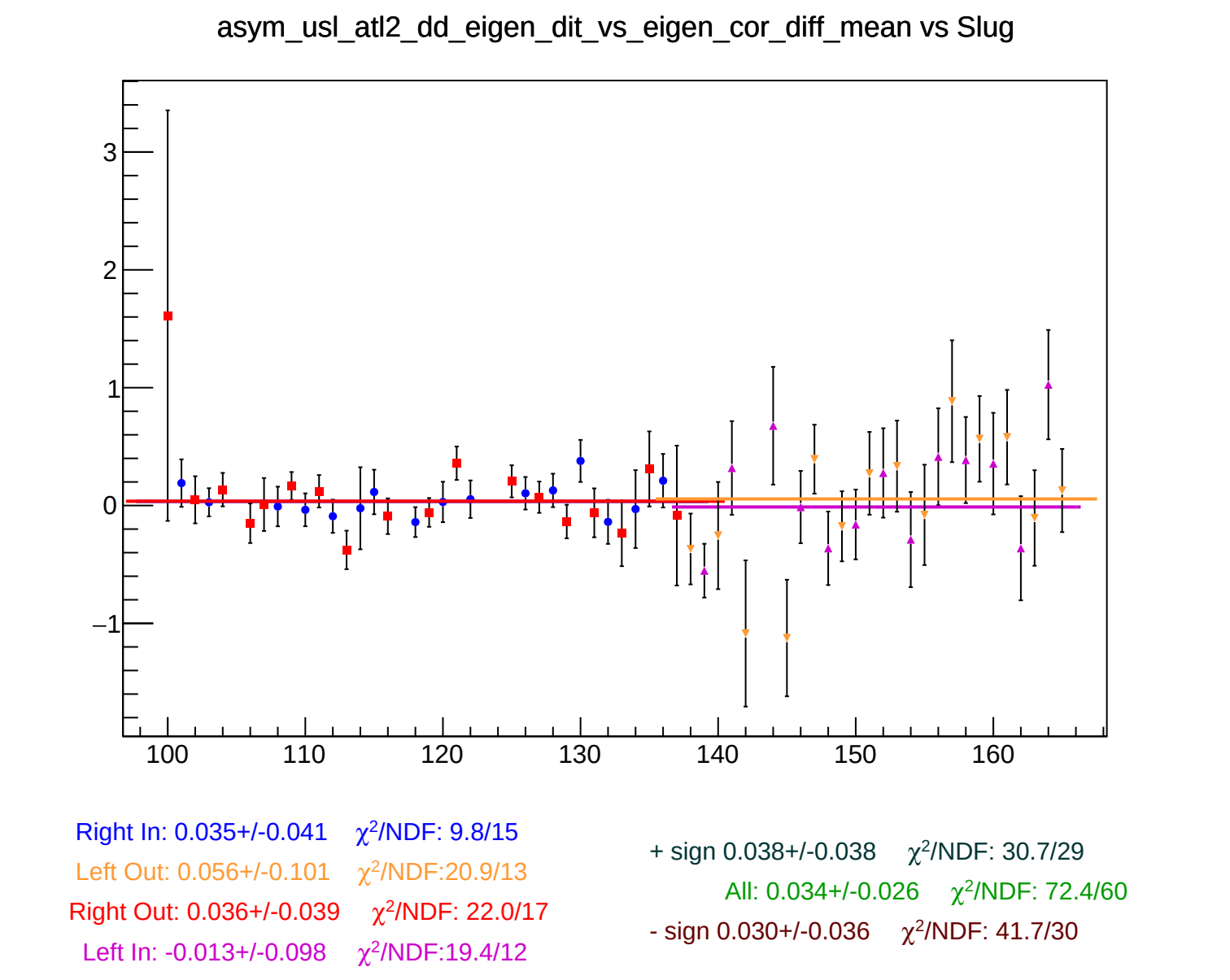
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

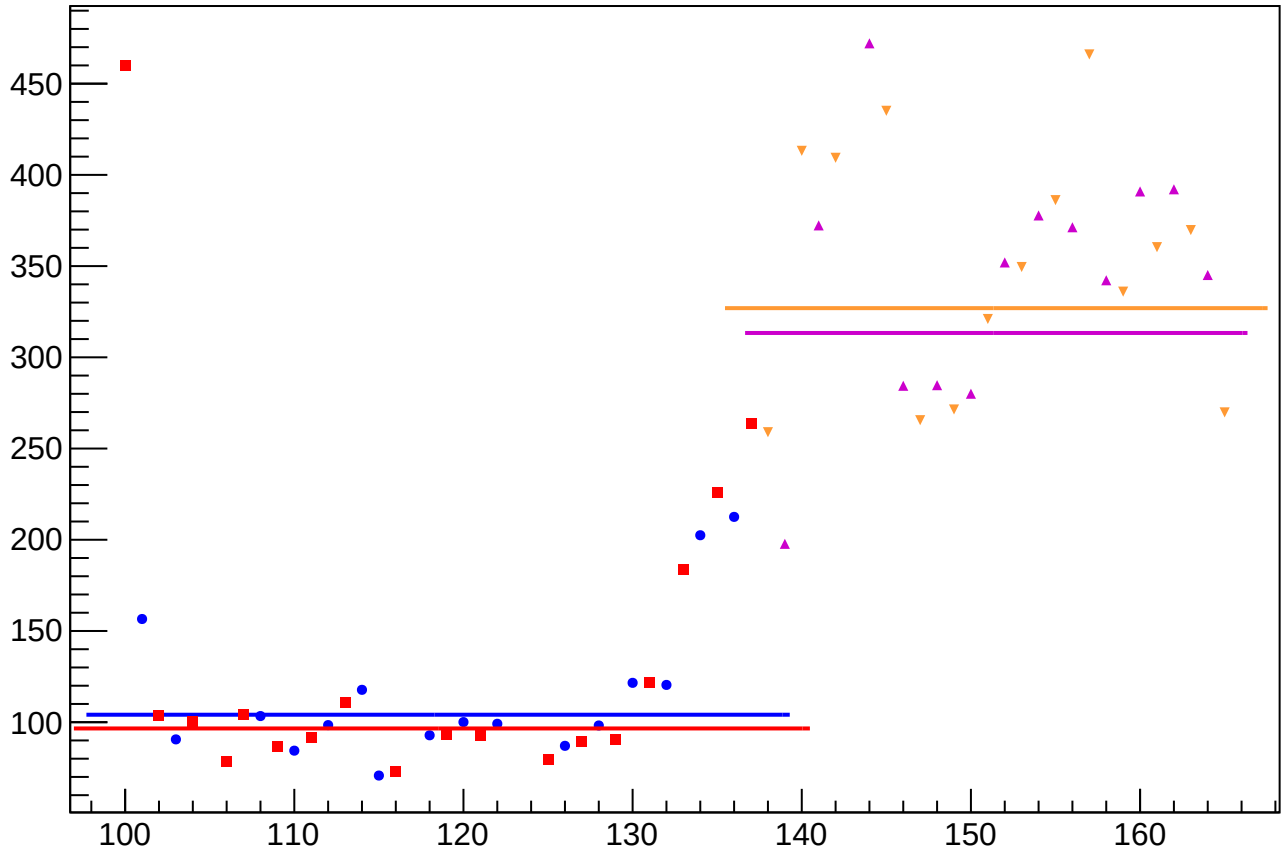
Left In: 313.347+/-0.070 χ^2/NDF:1080784.3/12

+ sign 135.533+/-0.027 χ^2/NDF: 10055579.9/29

All: 130.485+/-0.019 χ^2/NDF: 20567111.8/60

- sign 125.917+/-0.026 χ^2/NDF: 10444386.1/30


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.056+/-0.101 χ²/NDF:20.9/13
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.013+/-0.098 χ²/NDF:19.4/12
+ sign 0.038+/-0.038 χ²/NDF: 30.7/29
All: 0.034+/-0.026 χ²/NDF: 72.4/60
- sign 0.030+/-0.036 χ²/NDF: 41.7/30



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 326.955+/-0.072 χ^2/NDF:743895.0/13

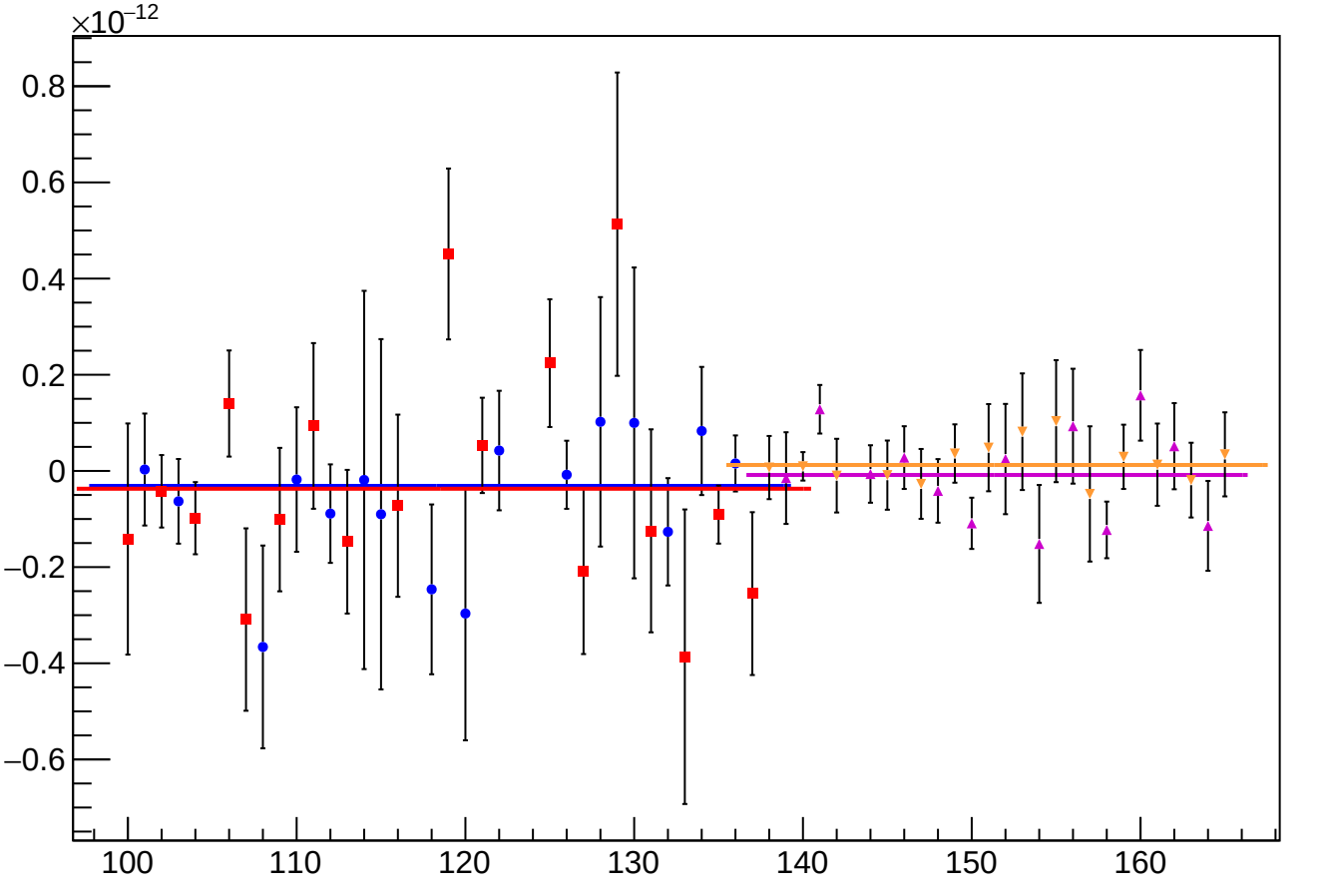
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 313.347+/-0.070 χ^2/NDF:1080784.3/12

+ sign 135.533+/-0.027 χ^2/NDF: 10055579.9/29

All: 130.485+/-0.019 χ^2/NDF: 20567111.8/60

- sign 125.917+/-0.026 χ^2/NDF: 10444386.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/13

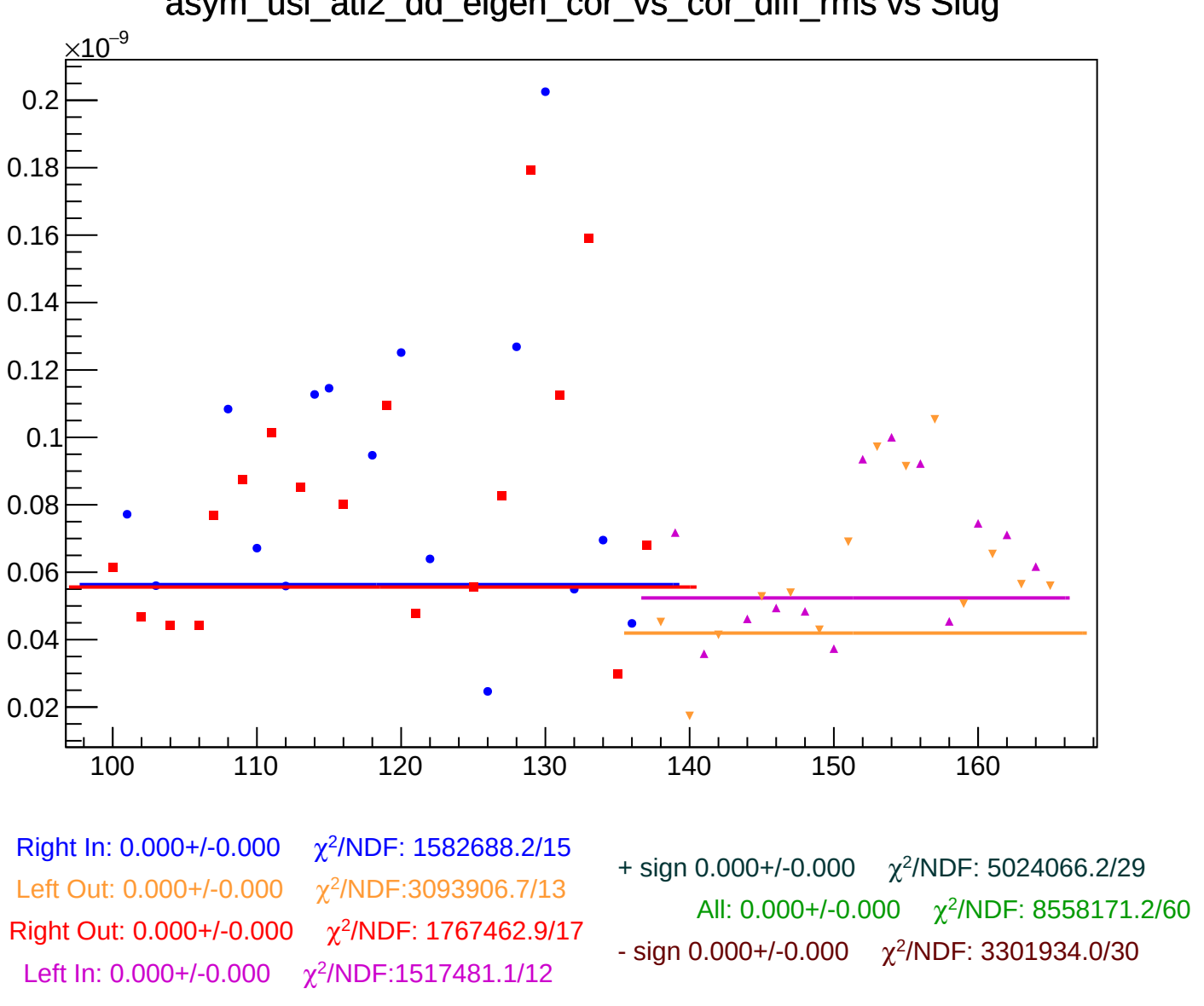
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

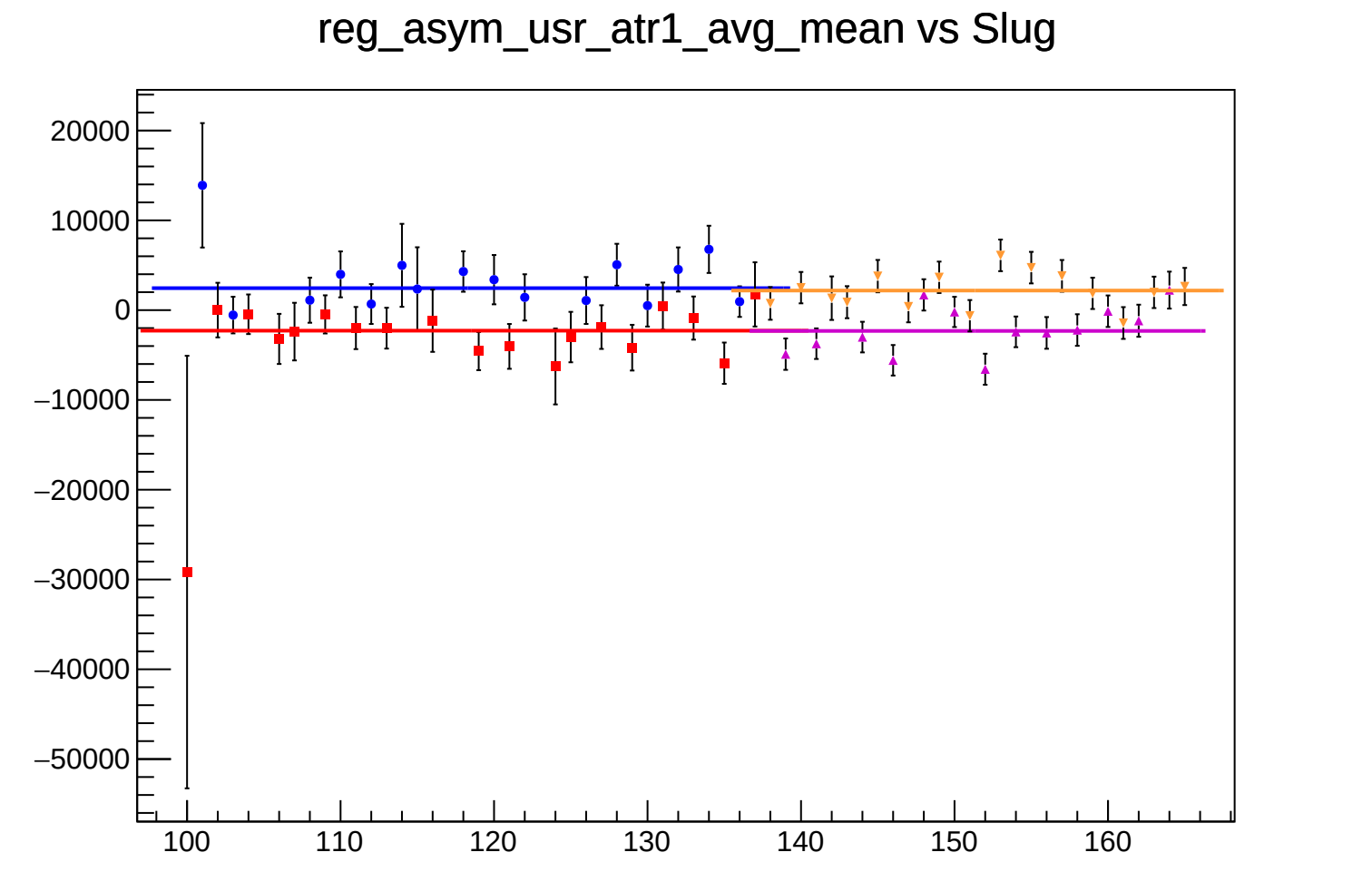
Left In: -0.000+/-0.000 χ^2/NDF:22.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 12.3/29

All: -0.000+/-0.000 χ^2/NDF: 62.9/60

- sign -0.000+/-0.000 χ^2/NDF: 49.9/30


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3093906.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:1517481.1/12
+ sign 0.000+/-0.000 χ²/NDF: 5024066.2/29
All: 0.000+/-0.000 χ²/NDF: 8558171.2/60
- sign 0.000+/-0.000 χ²/NDF: 3301934.0/30



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2181.230+/-467.464 χ^2/NDF:18.6/14

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

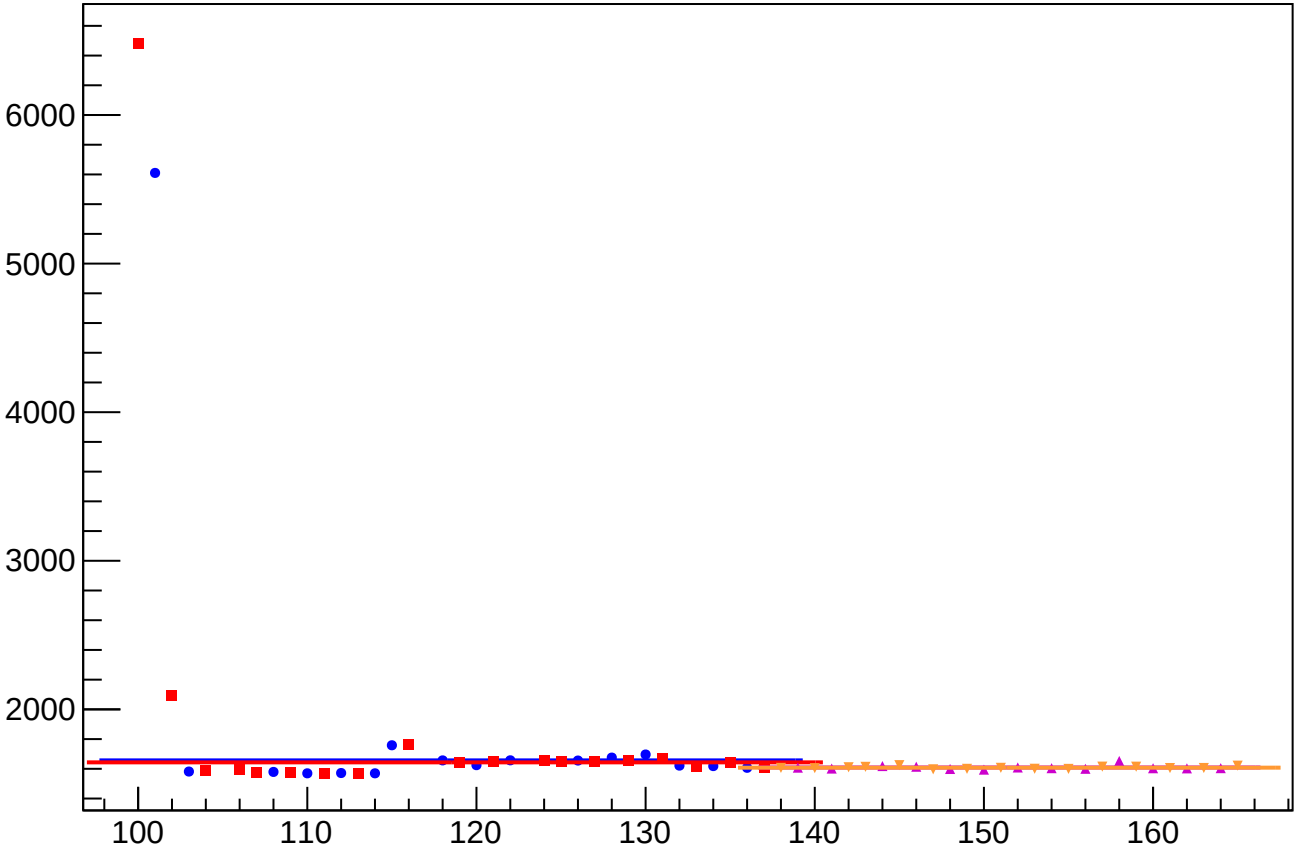
Left In: -2314.976+/-485.721 χ^2/NDF:26.6/12

+ sign 2276.603+/-375.456 χ^2/NDF: 32.6/30

All: 12.505+/-267.000 χ^2/NDF: 144.6/62

- sign -2303.937+/-379.772 χ^2/NDF: 38.4/31

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.764+/-0.331 χ^2/NDF:557.3/14

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

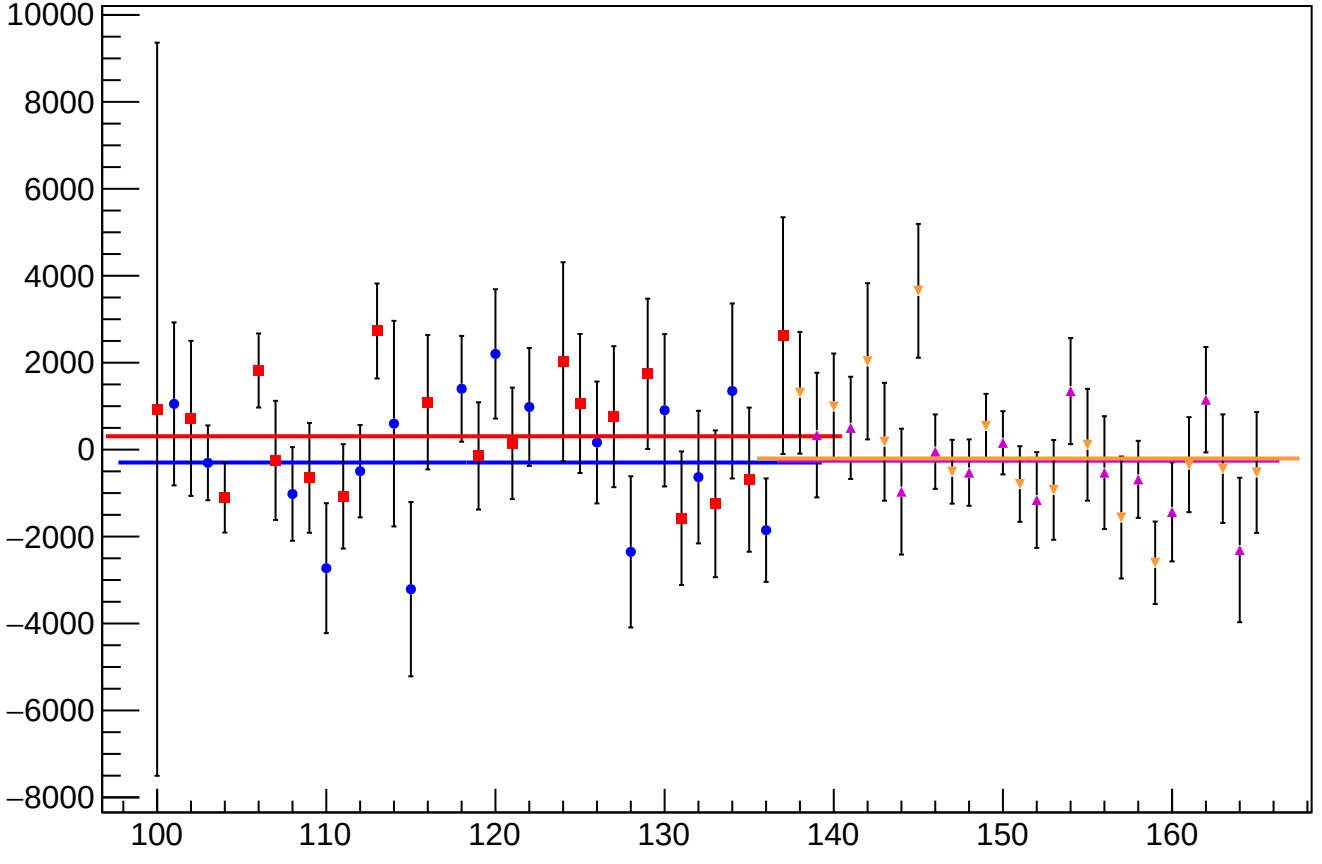
Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

+ sign 1625.126+/-0.265 χ^2/NDF: 674556.7/30

All: 1623.709+/-0.189 χ^2/NDF: 817244.2/62

- sign 1622.259+/-0.269 χ^2/NDF: 142629.8/31

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -204.139+/-283.411 χ^2/NDF:19.6/14

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

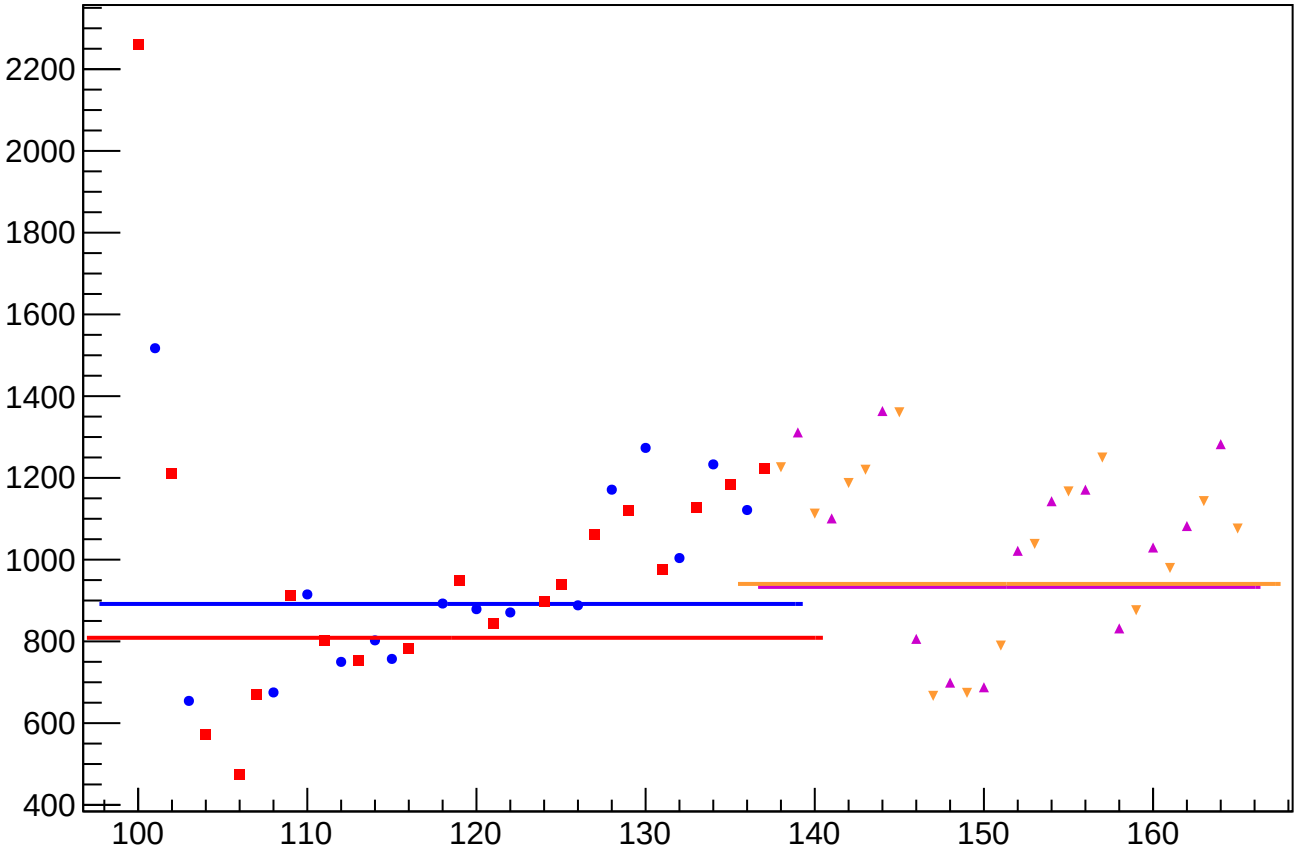
Left In: -253.800+/-290.741 χ^2/NDF:7.9/12

+ sign -241.536+/-218.592 χ^2/NDF: 35.6/30

All: -114.423+/-152.557 χ^2/NDF: 64.6/62

- sign 6.284+/-213.012 χ^2/NDF: 28.4/31

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 940.608+/-0.200 χ^2/NDF:1250753.9/14

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

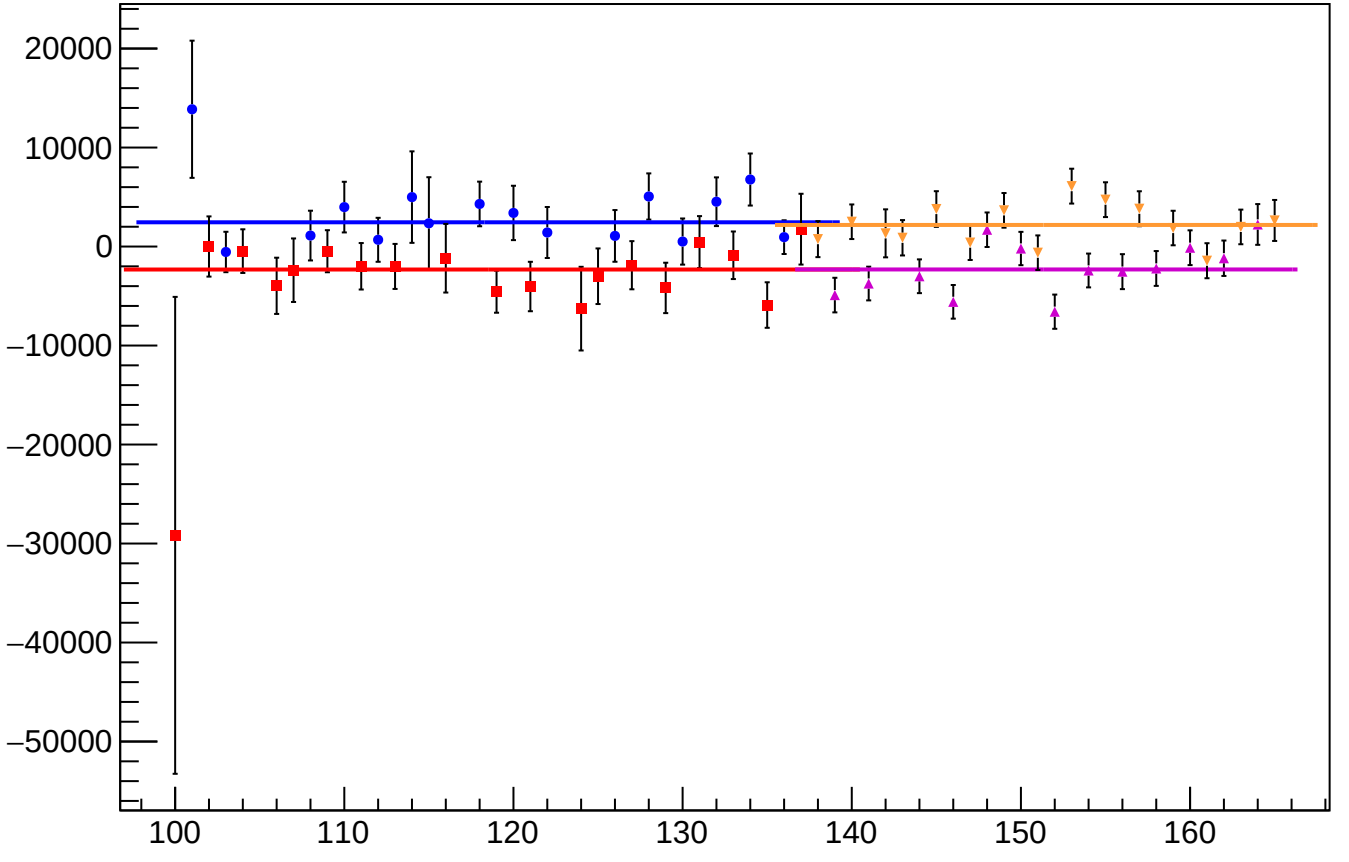
Left In: 933.339+/-0.206 χ^2/NDF:1114533.8/12

+ sign 920.768+/-0.155 χ^2/NDF: 2068846.1/30

All: 897.628+/-0.108 χ^2/NDF: 4480876.9/62

- sign 875.654+/-0.151 χ^2/NDF: 2368336.3/31

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2181.207+/-467.464 χ^2/NDF:18.6/14

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

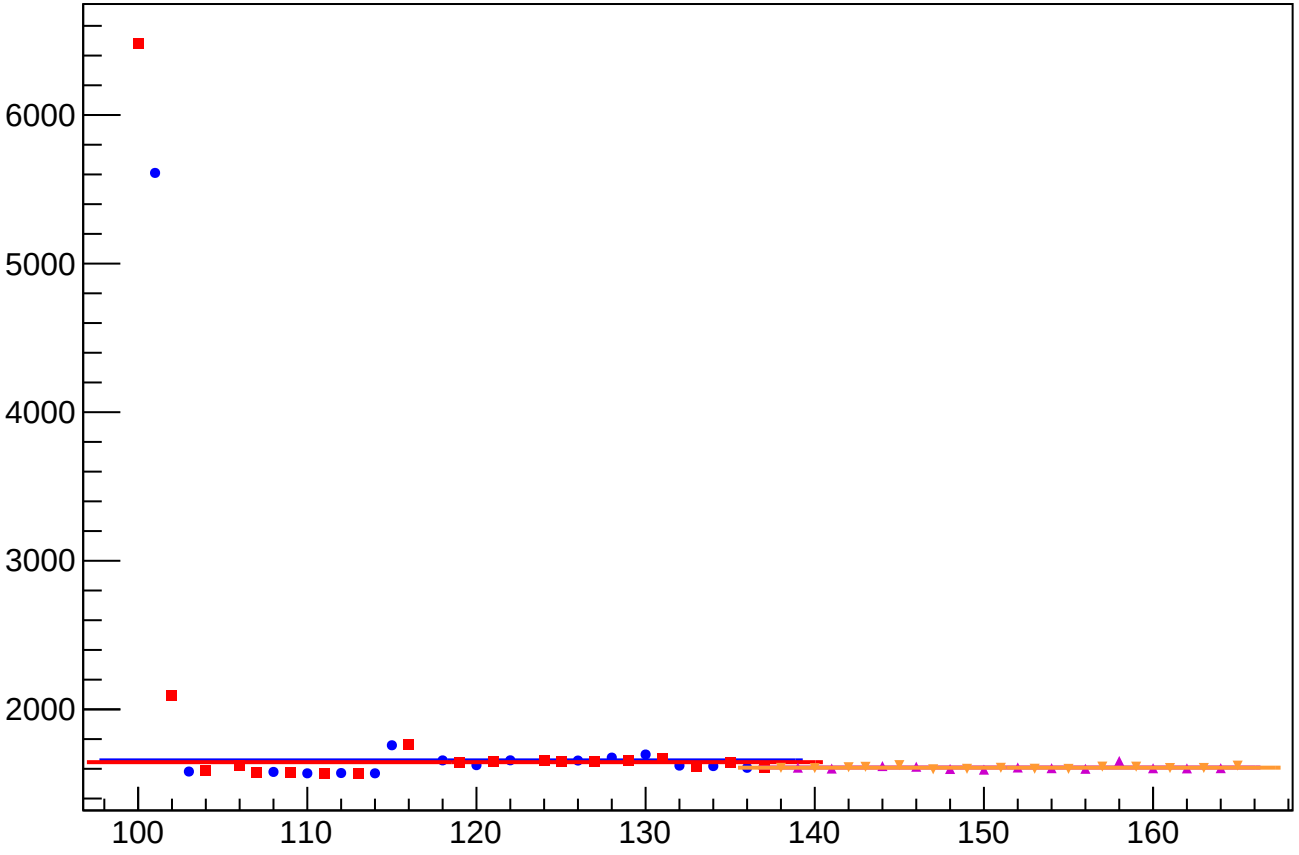
Left In: -2315.012+/-485.721 χ^2/NDF:26.6/12

+ sign 2276.389+/-375.456 χ^2/NDF: 32.6/30

All: 6.587+/-267.042 χ^2/NDF: 145.2/62

- sign -2317.172+/-379.893 χ^2/NDF: 38.7/31

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.764+/-0.331 χ^2/NDF:557.3/14

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

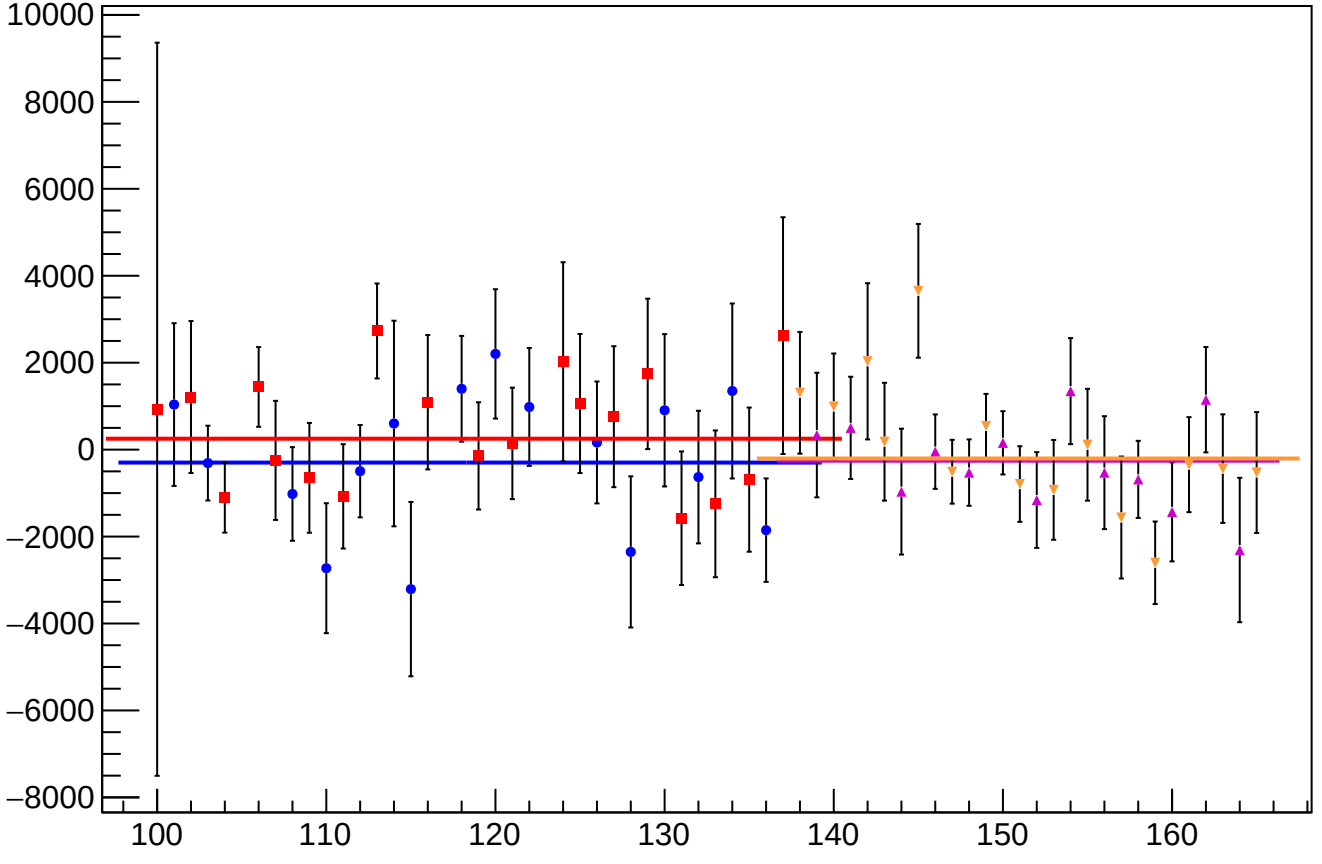
Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

+ sign 1625.126+/-0.265 χ^2/NDF: 674556.3/30

All: 1623.953+/-0.189 χ^2/NDF: 817009.4/62

- sign 1622.752+/-0.269 χ^2/NDF: 142413.6/31

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -204.204+/-283.409 χ^2/NDF:19.6/14

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

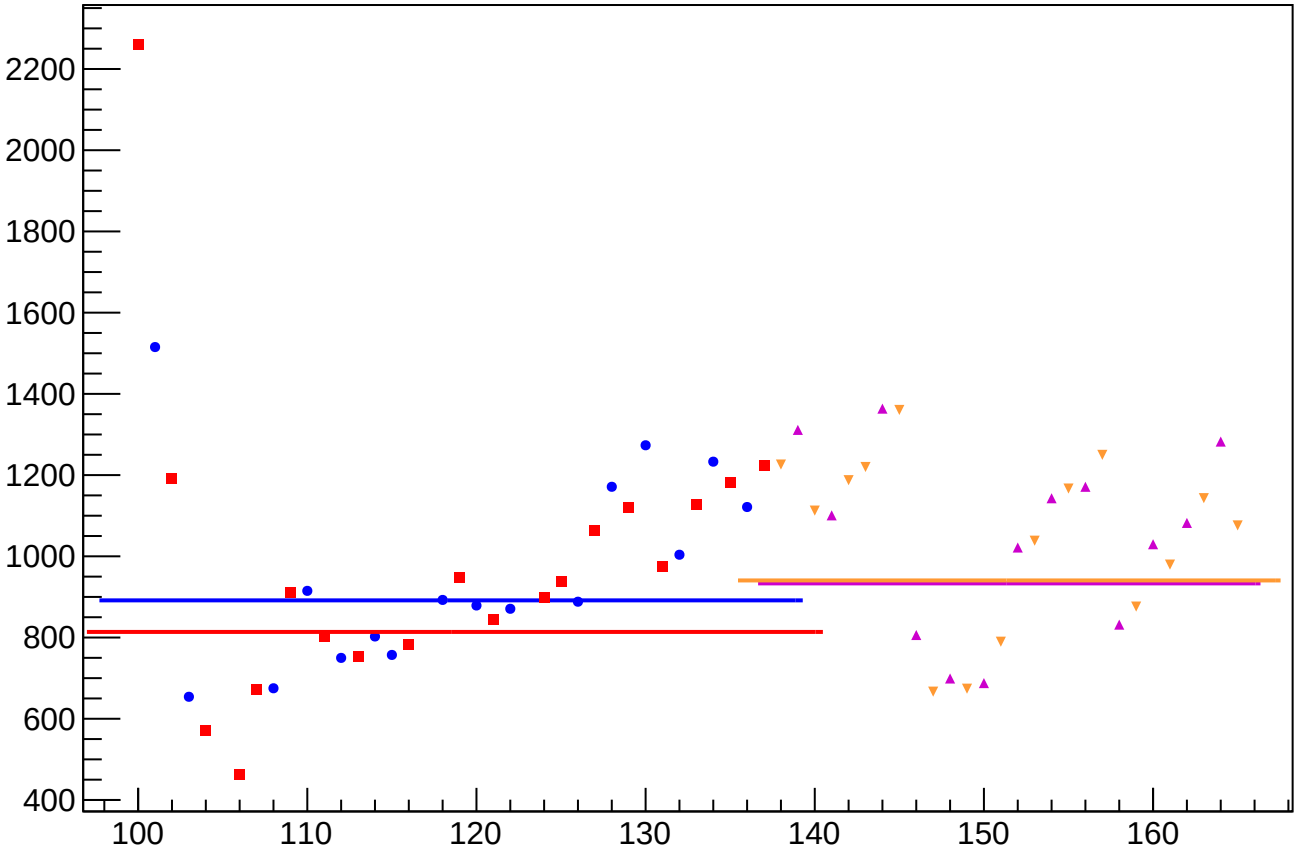
Left In: -253.848+/-290.742 χ^2/NDF:7.9/12

+ sign -242.124+/-218.579 χ^2/NDF: 35.6/30

All: -129.721+/-152.871 χ^2/NDF: 62.7/62

- sign -22.099+/-213.881 χ^2/NDF: 26.6/31

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 940.600+/-0.200 χ^2/NDF:1250849.2/14

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

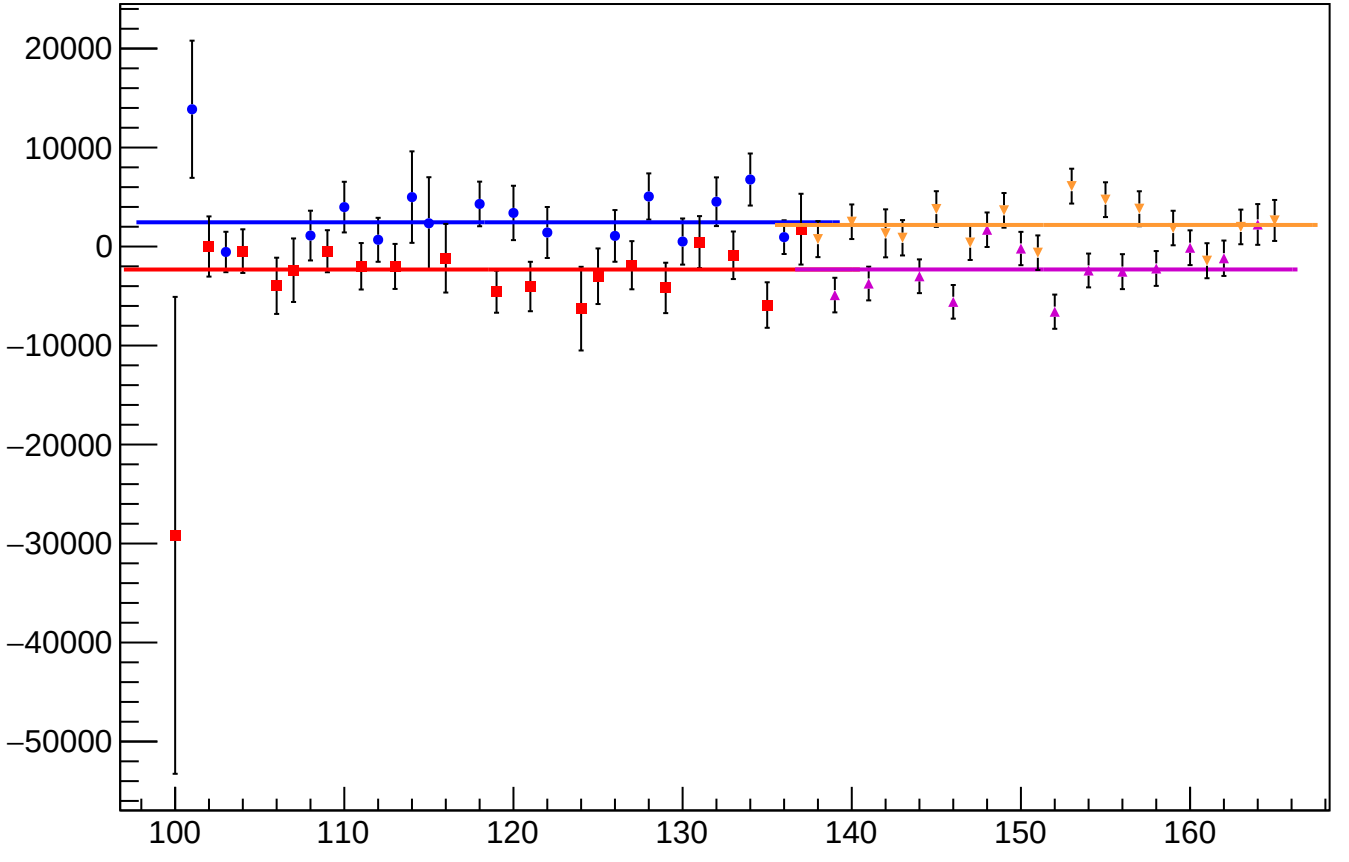
Left In: 933.343+/-0.206 χ^2/NDF:1114487.8/12

+ sign 920.719+/-0.155 χ^2/NDF: 2068796.2/30

All: 899.149+/-0.108 χ^2/NDF: 4429523.8/62

- sign 878.496+/-0.151 χ^2/NDF: 2322600.8/31

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2181.207+/-467.464 χ^2/NDF:18.6/14

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

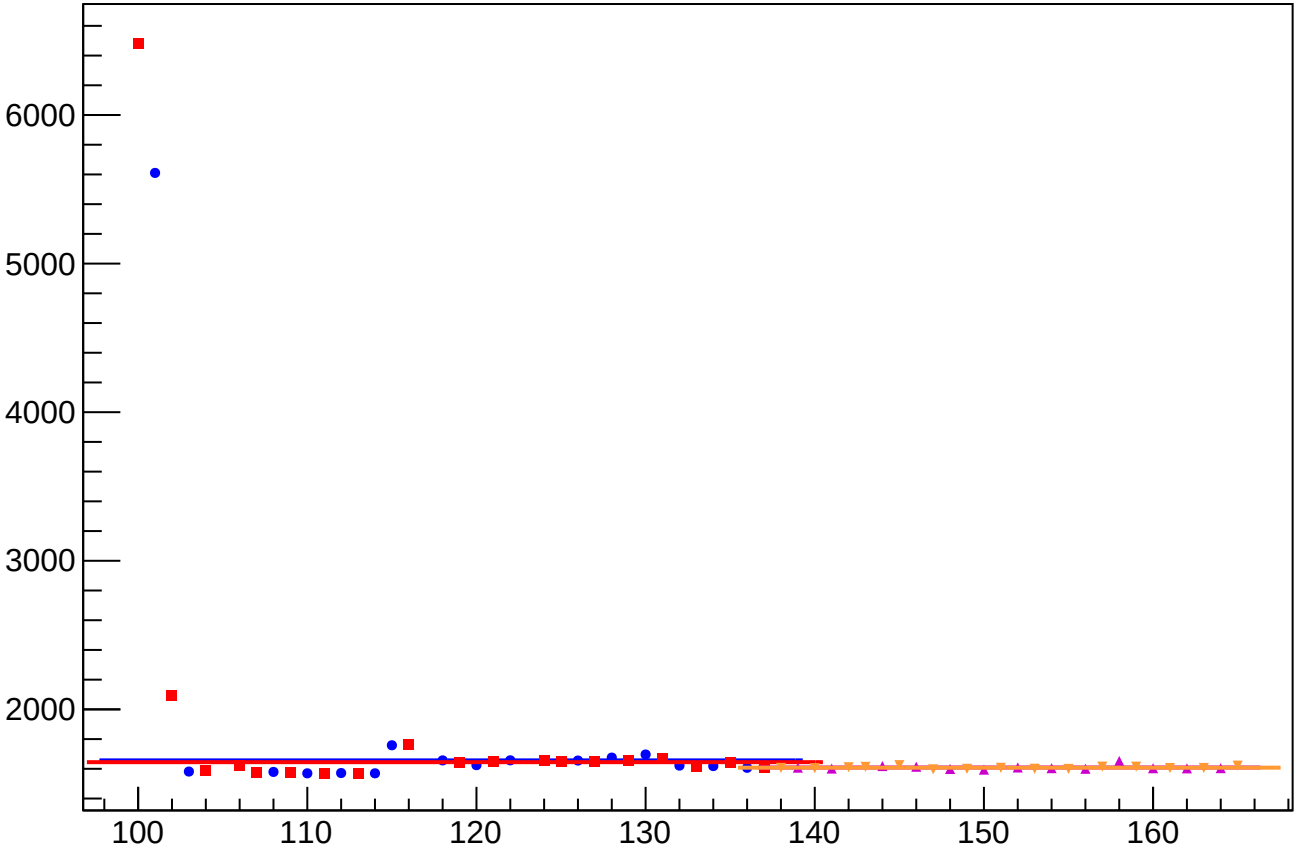
Left In: -2315.012+/-485.721 χ^2/NDF:26.6/12

+ sign 2276.389+/-375.456 χ^2/NDF: 32.6/30

All: 6.587+/-267.042 χ^2/NDF: 145.2/62

- sign -2317.172+/-379.893 χ^2/NDF: 38.7/31

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.764+/-0.331 χ^2/NDF:557.3/14

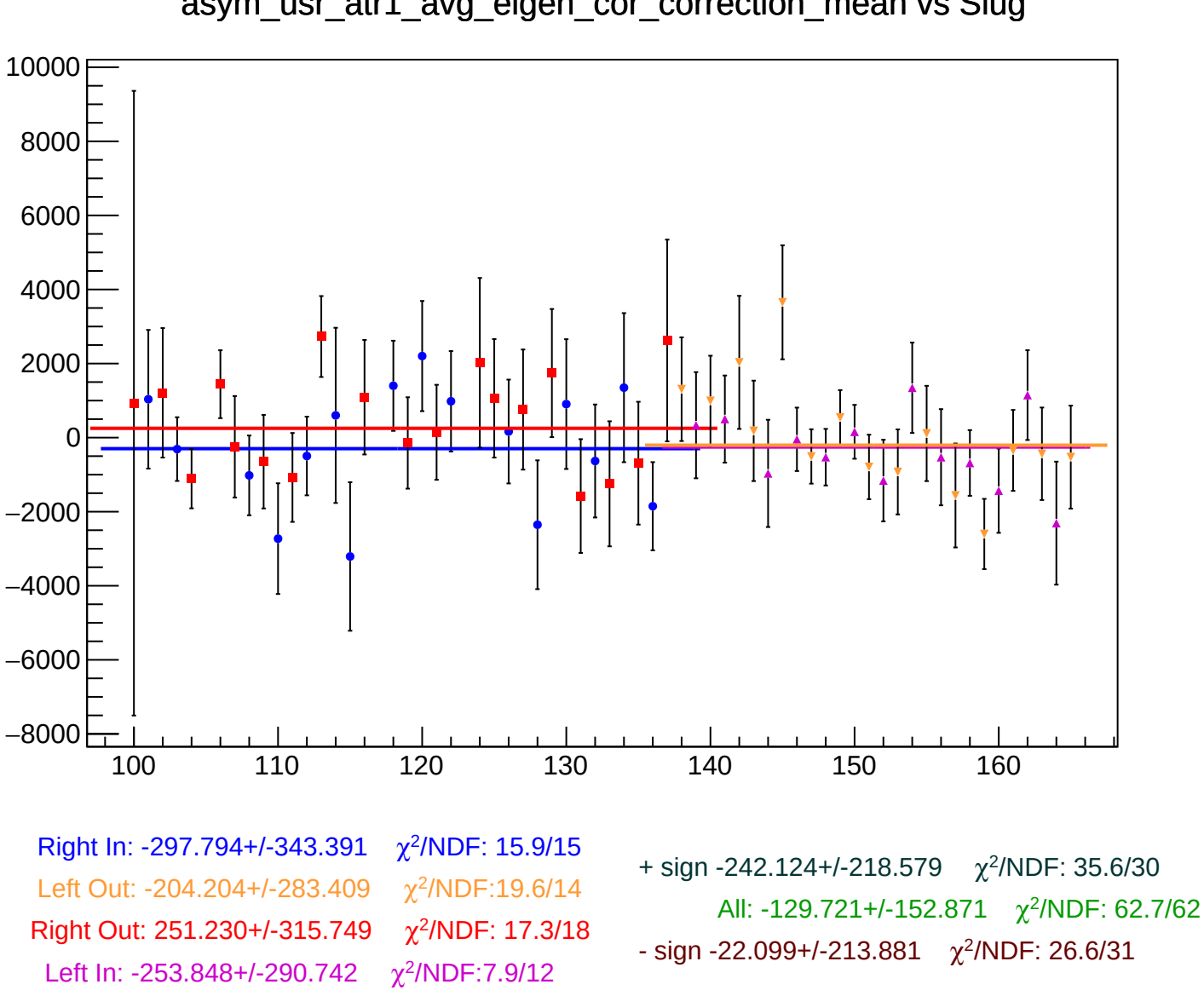
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

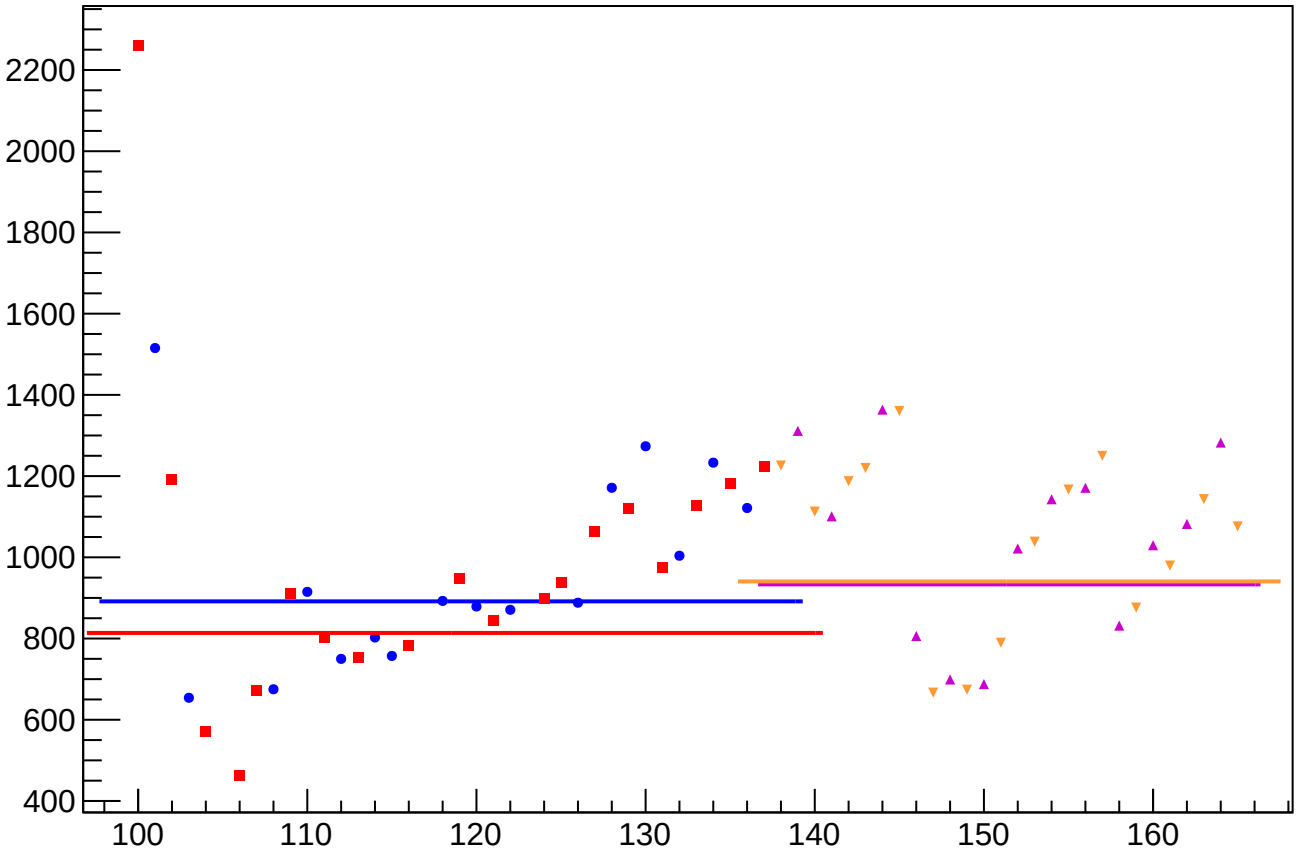
Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

+ sign 1625.126+/-0.265 χ^2/NDF: 674556.3/30

All: 1623.953+/-0.189 χ^2/NDF: 817009.4/62

- sign 1622.752+/-0.269 χ^2/NDF: 142413.6/31


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: -204.204+/-283.409 χ²/NDF:19.6/14
Right Out: 251.230+/-315.749 χ²/NDF: 17.3/18
Left In: -253.848+/-290.742 χ²/NDF:7.9/12
+ sign -242.124+/-218.579 χ²/NDF: 35.6/30
All: -129.721+/-152.871 χ²/NDF: 62.7/62
- sign -22.099+/-213.881 χ²/NDF: 26.6/31



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 940.600+/-0.200 χ^2/NDF:1250849.2/14

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

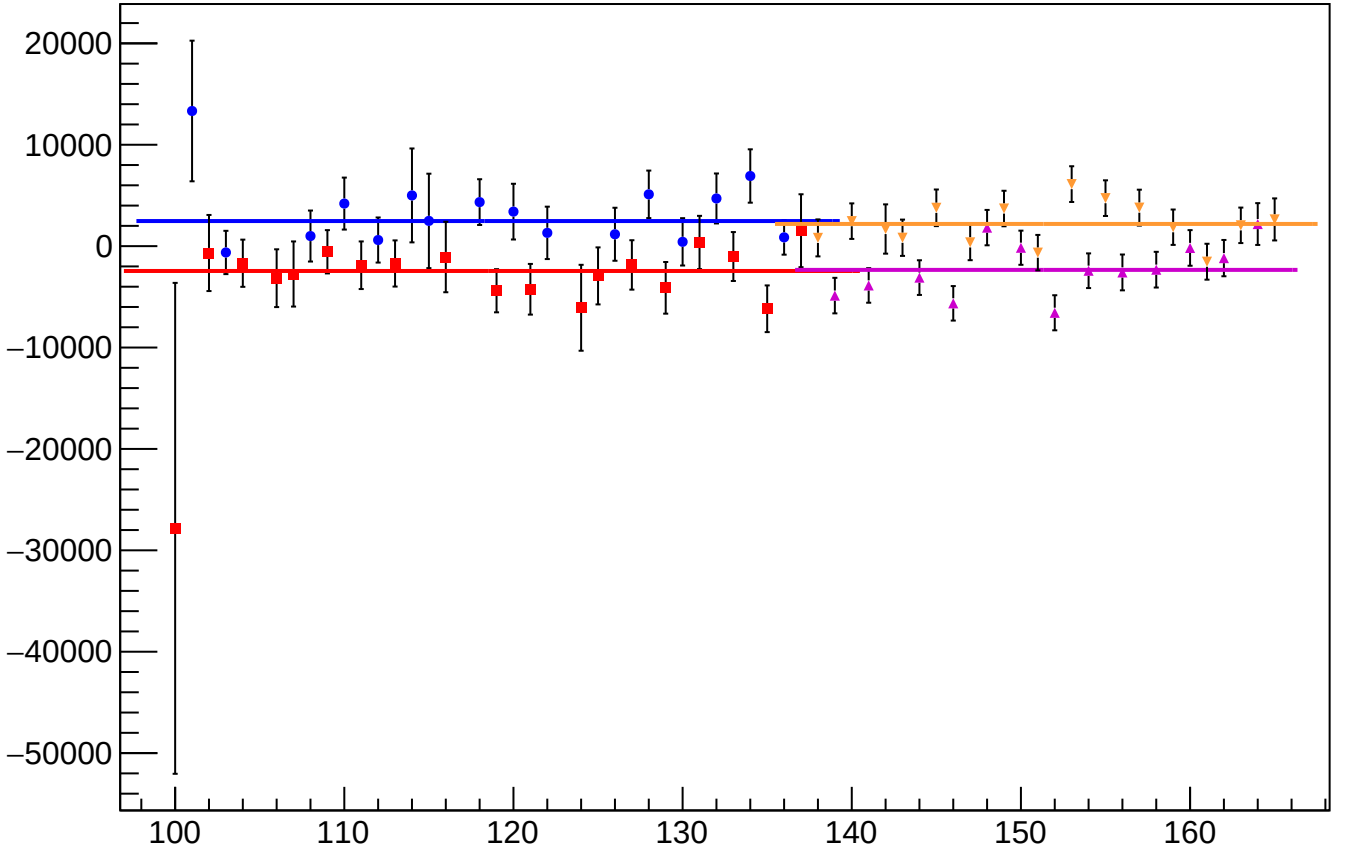
Left In: 933.343+/-0.206 χ^2/NDF:1114487.8/12

+ sign 920.719+/-0.155 χ^2/NDF: 2068796.2/30

All: 899.149+/-0.108 χ^2/NDF: 4429523.8/62

- sign 878.496+/-0.151 χ^2/NDF: 2322600.8/31

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2189.757+/-468.177 χ^2/NDF:18.8/14

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

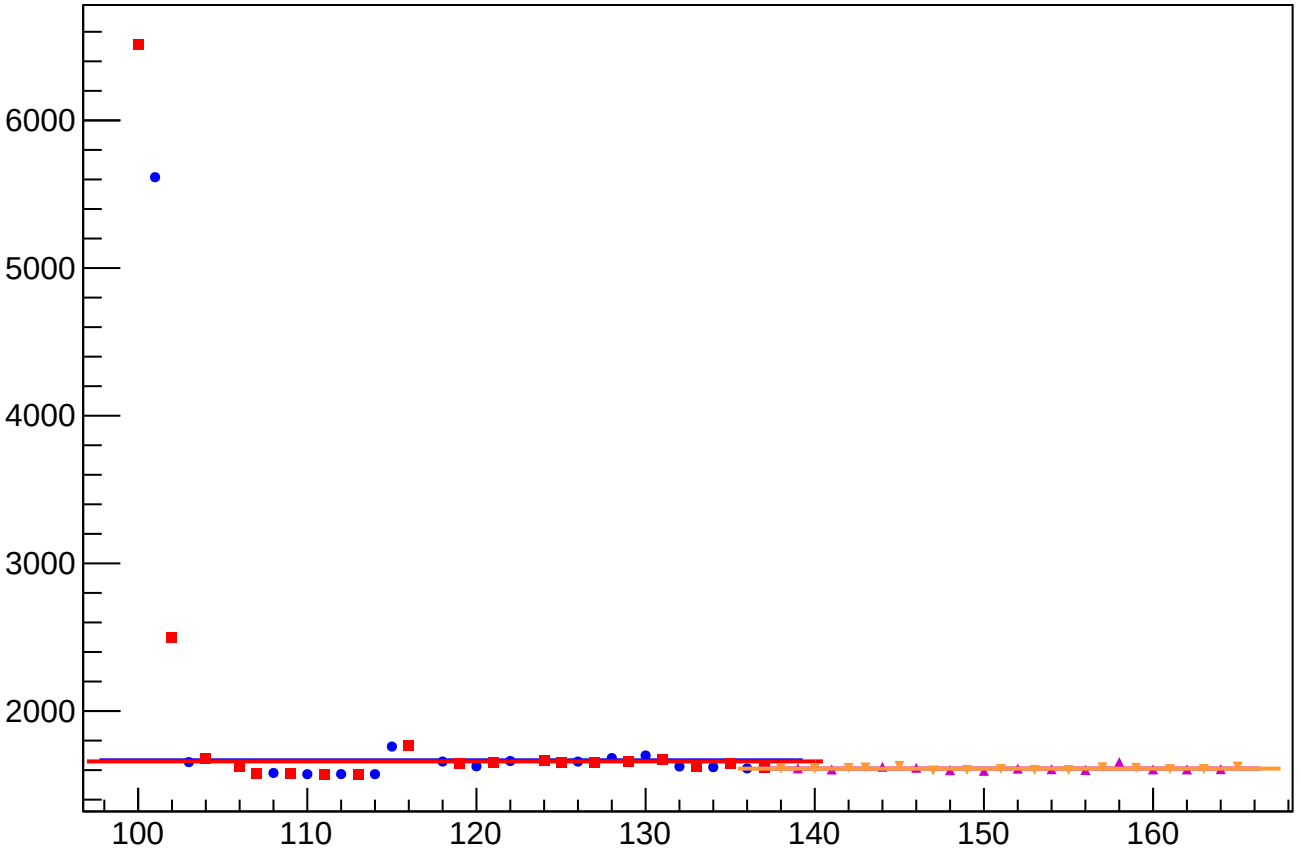
Left In: -2341.524+/-486.334 χ^2/NDF:27.0/12

+ sign 2290.522+/-376.591 χ^2/NDF: 33.2/30

All: -12.313+/-268.207 χ^2/NDF: 146.6/62

- sign -2382.686+/-382.074 χ^2/NDF: 37.6/31

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.208+/-0.331 χ^2/NDF:668.7/14

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

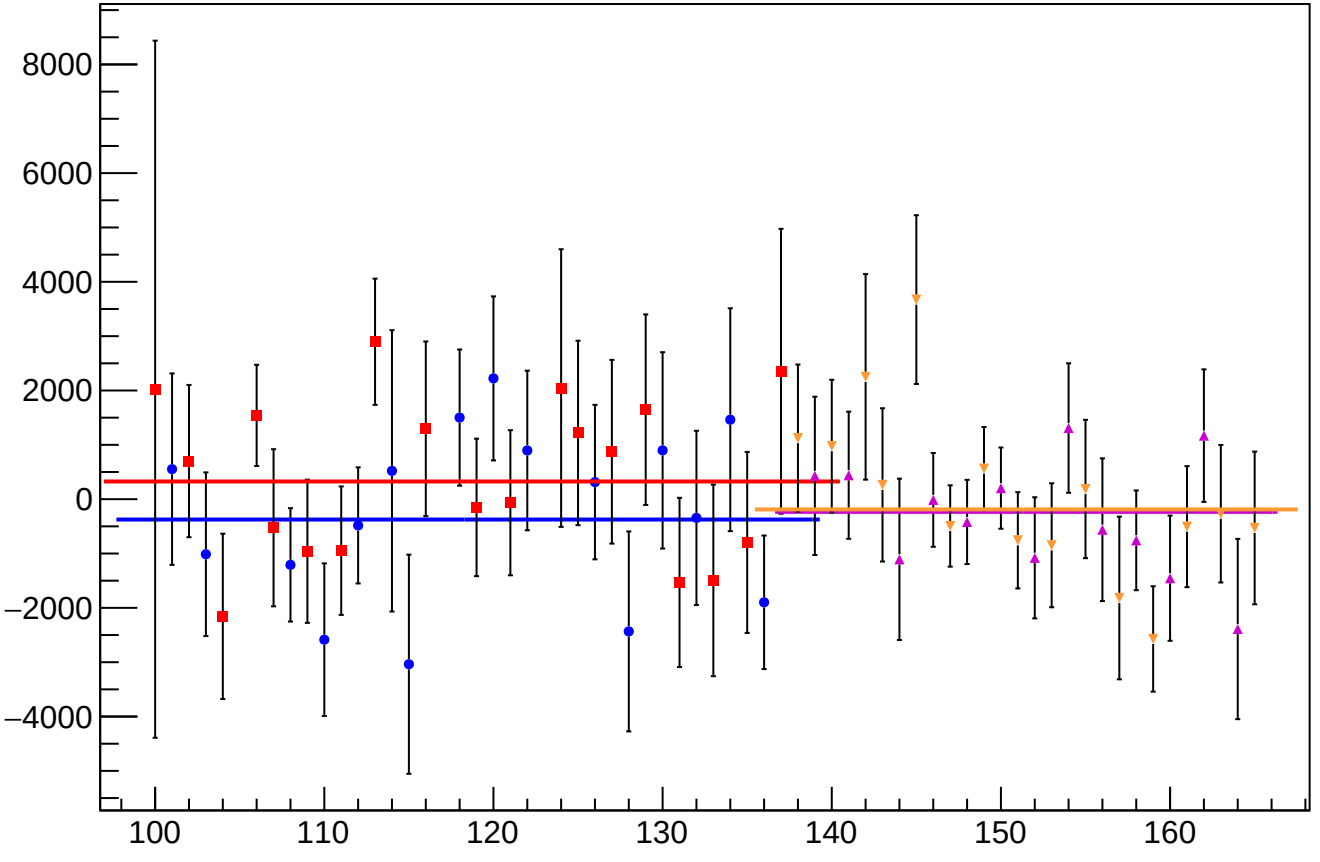
Left In: 1610.818+/-0.344 χ^2/NDF:1729.2/12

+ sign 1630.043+/-0.266 χ^2/NDF: 673752.6/30

All: 1629.659+/-0.190 χ^2/NDF: 876225.8/62

- sign 1629.264+/-0.270 χ^2/NDF: 202469.0/31

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -188.549+/-288.627 χ^2/NDF:19.1/14

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

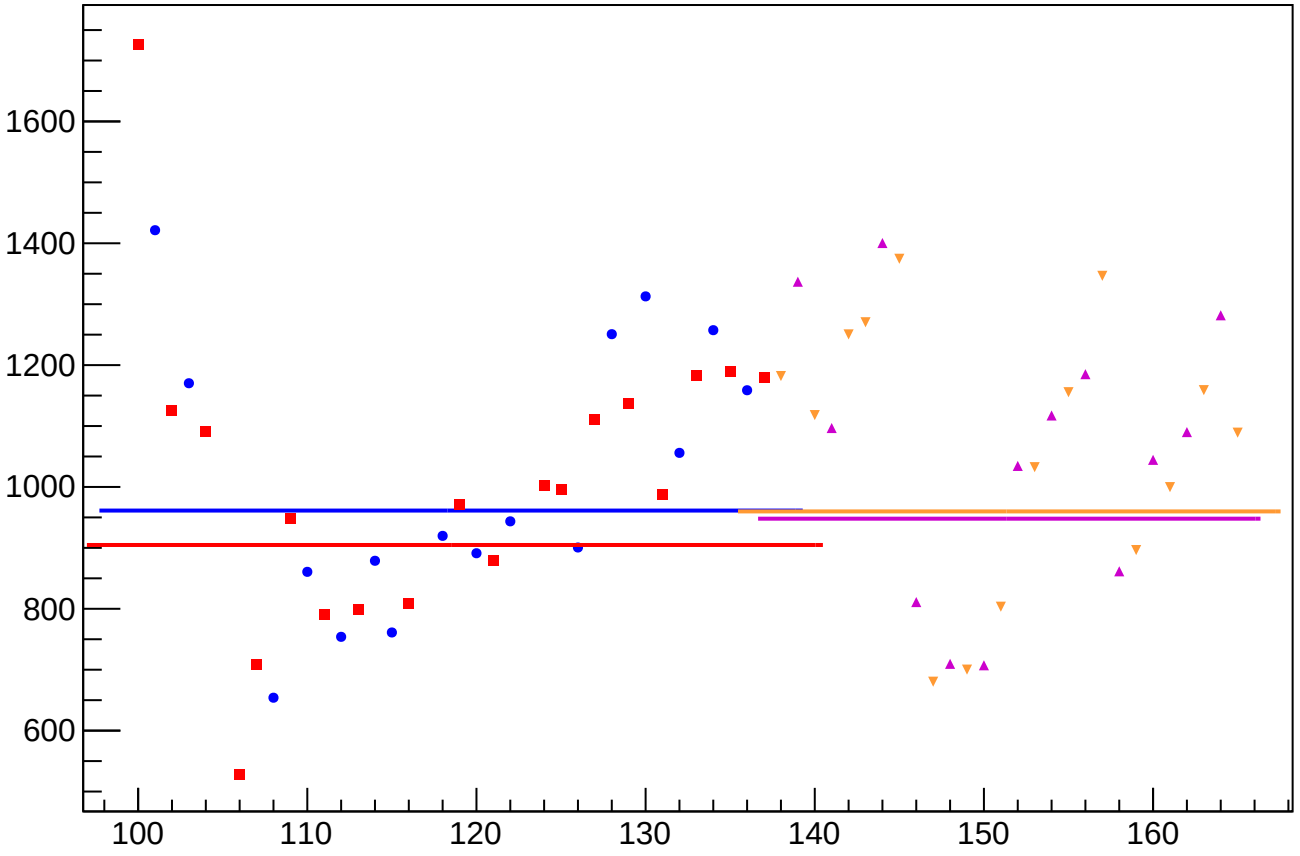
Left In: -232.651+/-294.653 χ^2/NDF:8.1/12

+ sign -259.419+/-227.094 χ^2/NDF: 35.0/30

All: -124.039+/-159.056 χ^2/NDF: 62.8/62

- sign 6.321+/-222.844 χ^2/NDF: 27.1/31

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 959.845+/-0.204 χ^2/NDF:1211292.3/14

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

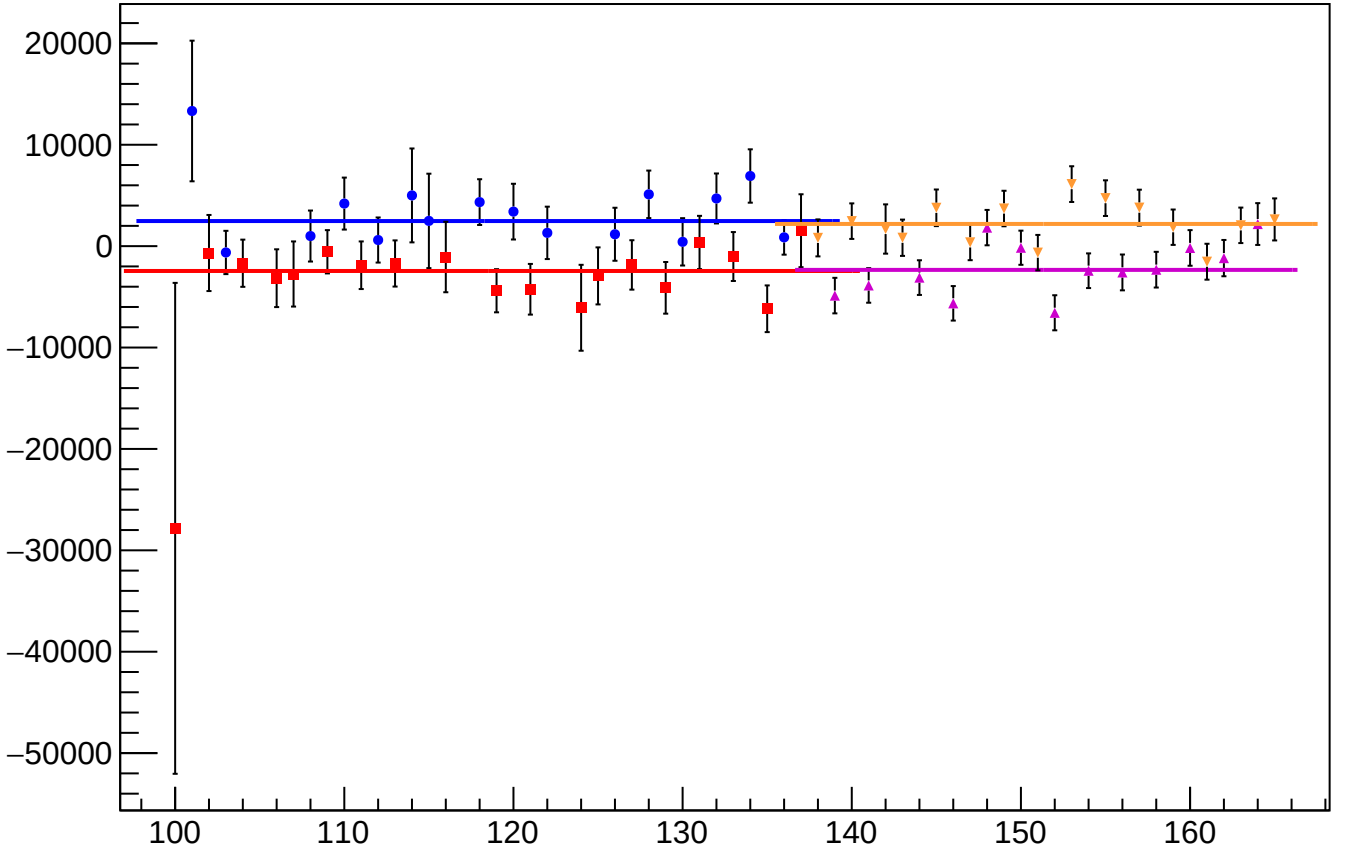
Left In: 947.914+/-0.208 χ^2/NDF:1065213.2/12

\+ sign 960.378+/-0.161 χ^2/NDF: 1903185.5/30

All: 944.613+/-0.112 χ^2/NDF: 3742183.6/62

\- sign 929.433+/-0.158 χ^2/NDF: 1820080.0/31

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2189.756+/-468.177 χ^2/NDF:18.8/14

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

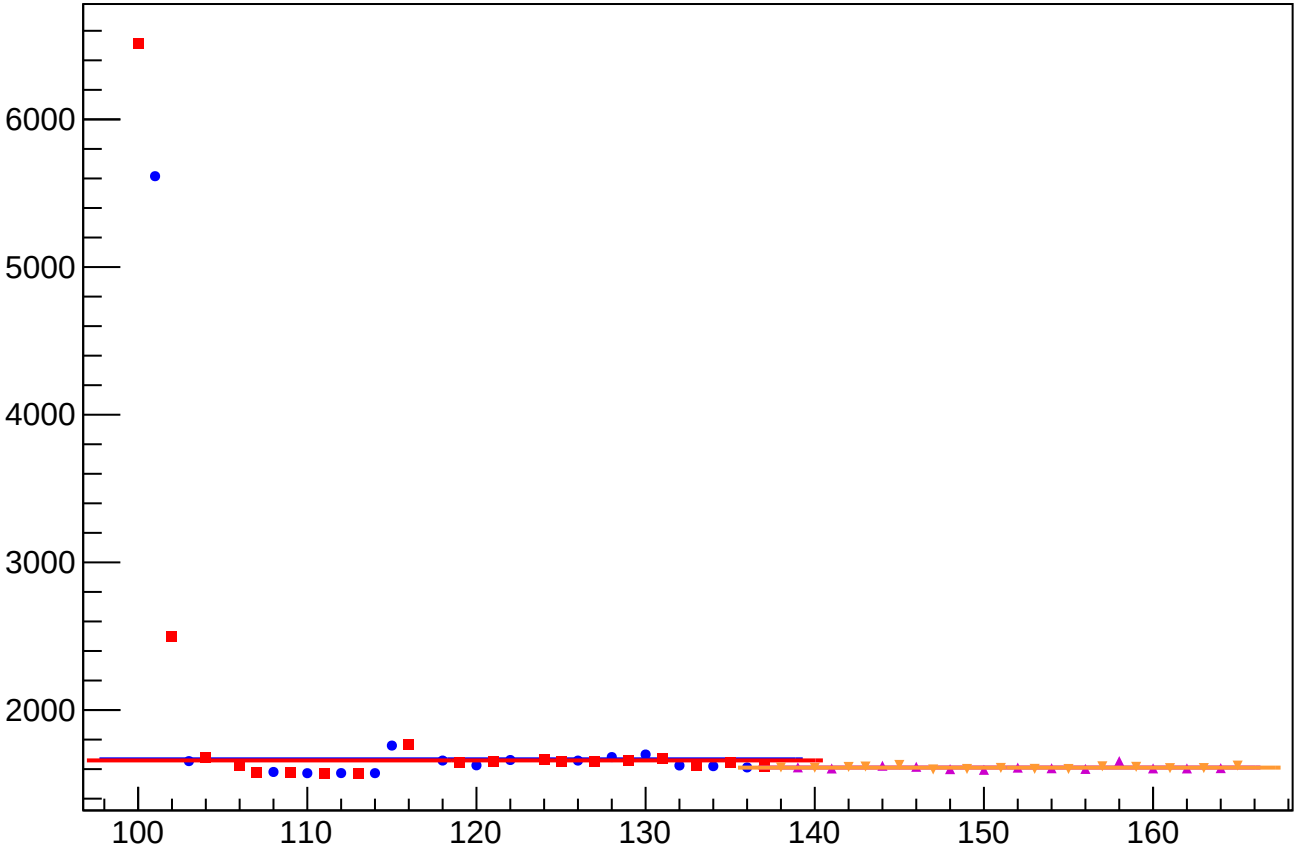
Left In: -2341.524+/-486.334 χ^2/NDF:27.0/12

+ sign 2290.521+/-376.591 χ^2/NDF: 33.2/30

All: -12.314+/-268.207 χ^2/NDF: 146.6/62

- sign -2382.687+/-382.074 χ^2/NDF: 37.6/31

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.208+/-0.331 χ^2/NDF:668.7/14

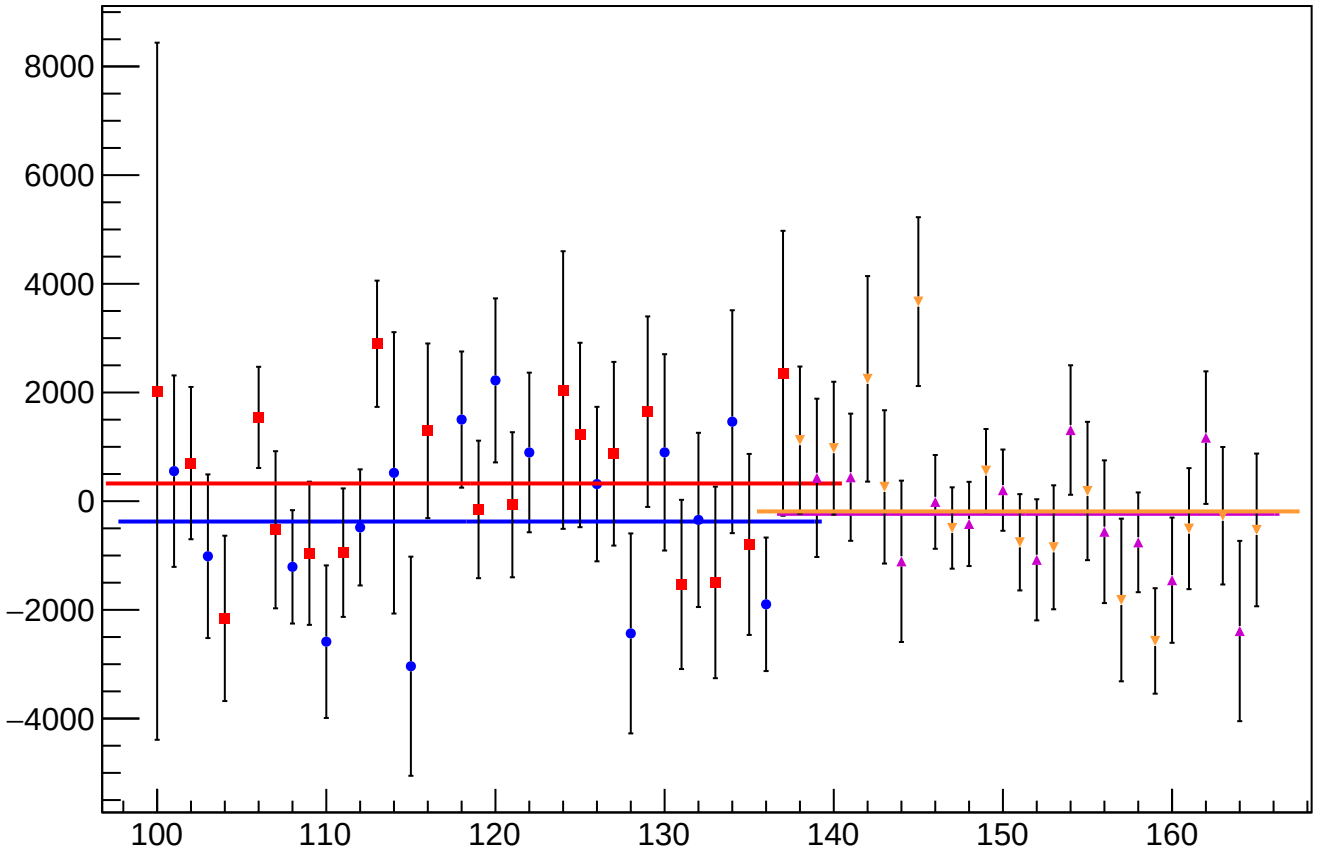
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1610.818+/-0.344 χ^2/NDF:1729.2/12

+ sign 1630.042+/-0.266 χ^2/NDF: 673752.6/30

All: 1629.659+/-0.190 χ^2/NDF: 876225.5/62

- sign 1629.264+/-0.270 χ^2/NDF: 202468.7/31



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -188.551+/-288.627 χ^2/NDF:19.1/14

Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

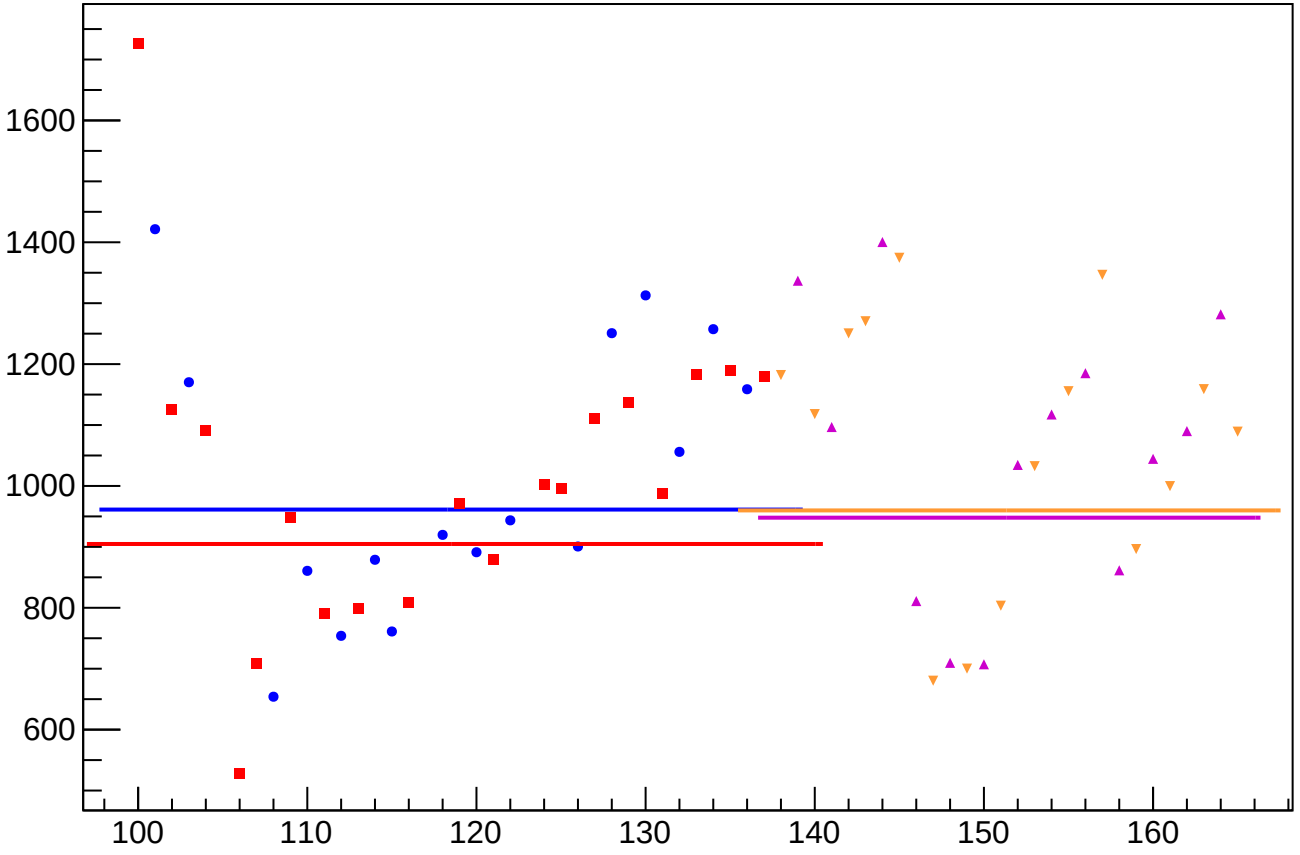
Left In: -232.652+/-294.654 χ^2/NDF:8.1/12

+ sign -259.420+/-227.094 χ^2/NDF: 35.0/30

All: -124.040+/-159.056 χ^2/NDF: 62.8/62

- sign 6.321+/-222.844 χ^2/NDF: 27.1/31

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 959.847+/-0.204 χ^2/NDF:1211295.1/14

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

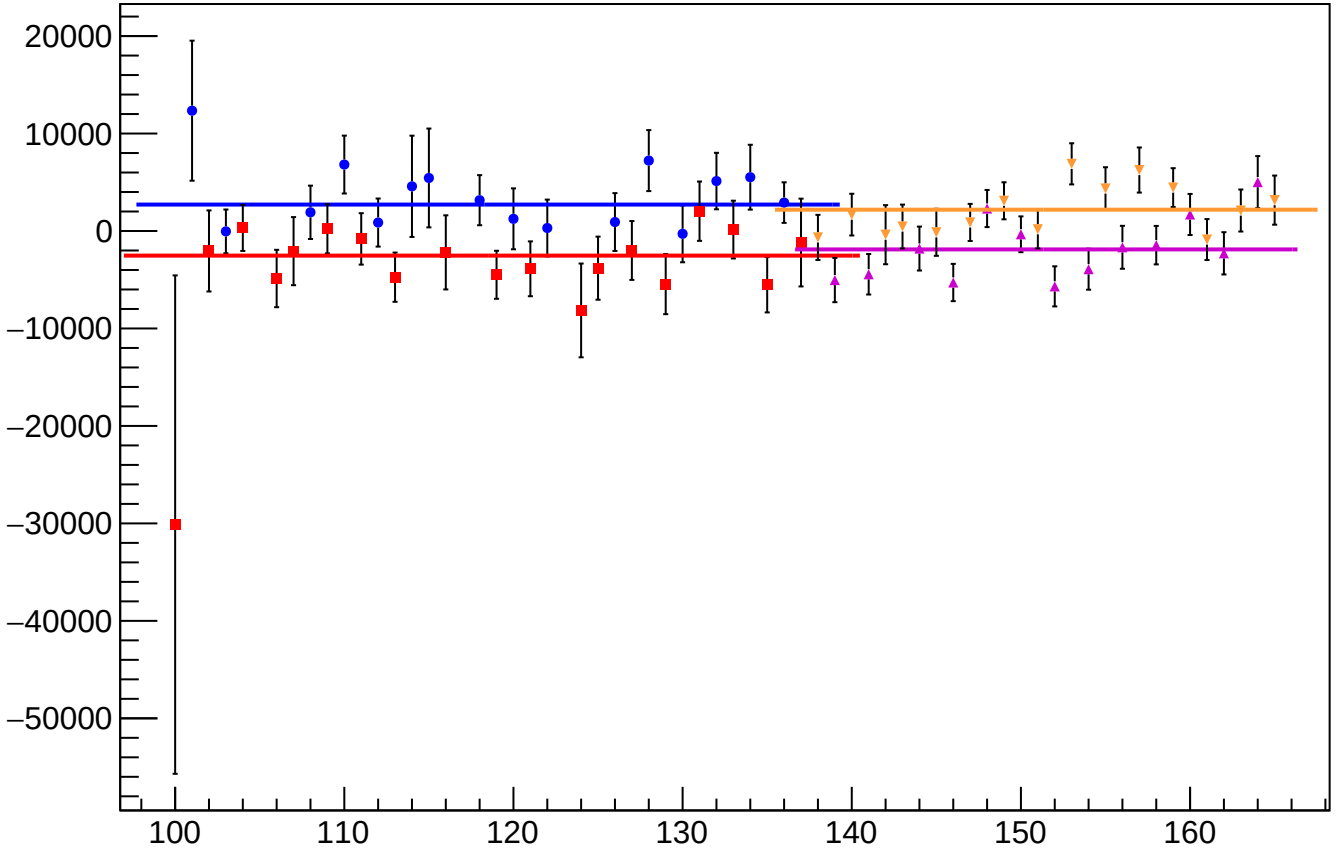
Left In: 947.916+/-0.208 χ^2/NDF:1065216.1/12

+ sign 960.377+/-0.161 χ^2/NDF: 1903196.2/30

All: 944.613+/-0.112 χ^2/NDF: 3742198.1/62

- sign 929.433+/-0.158 χ^2/NDF: 1820084.1/31

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2185.827+/-561.867 χ^2/NDF:18.2/14

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

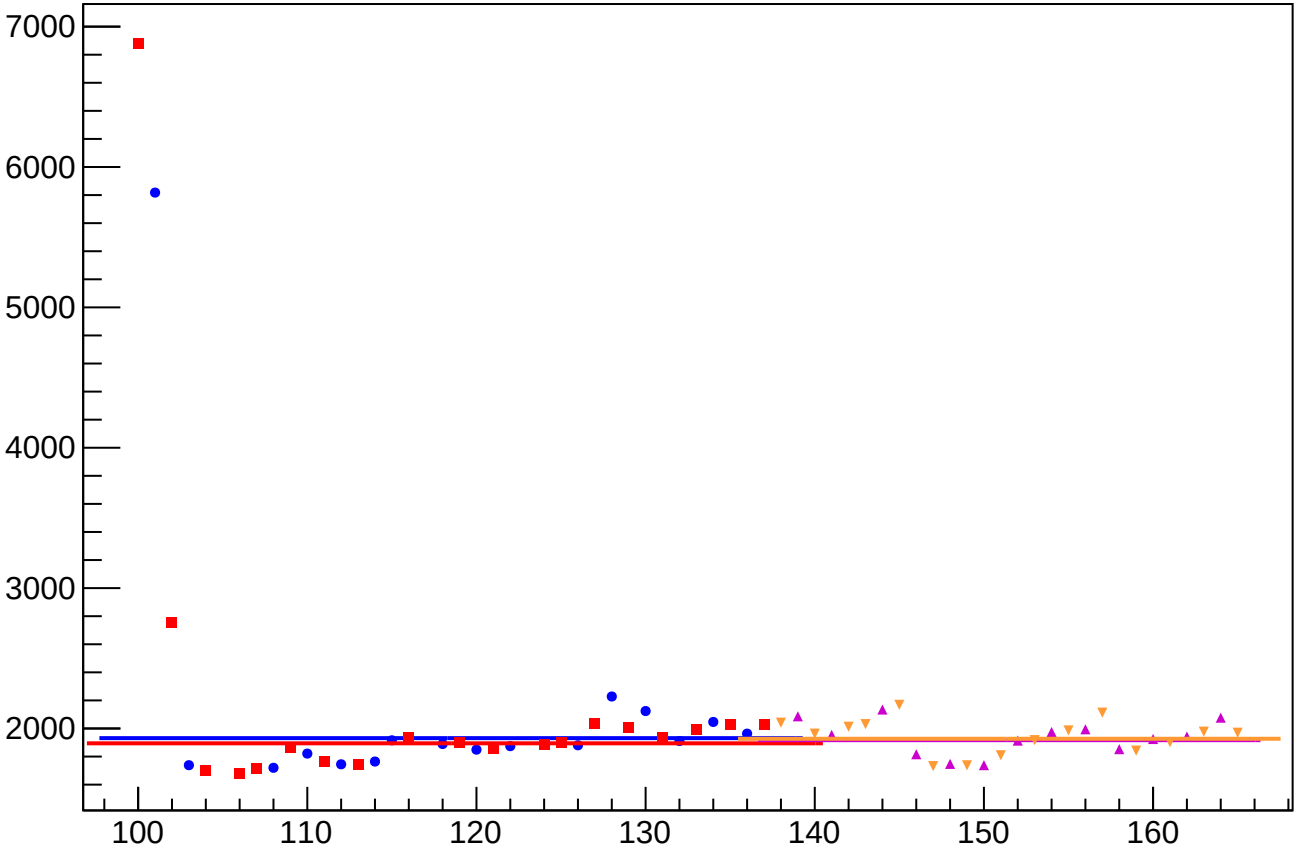
Left In: -1889.858+/-580.108 χ^2/NDF:26.1/12

+ sign 2379.646+/-446.399 χ^2/NDF: 30.6/30

All: 126.621+/-316.330 χ^2/NDF: 121.6/62

- sign -2145.869+/-448.324 χ^2/NDF: 39.9/31

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1926.815+/-0.397 χ^2/NDF:99359.6/14

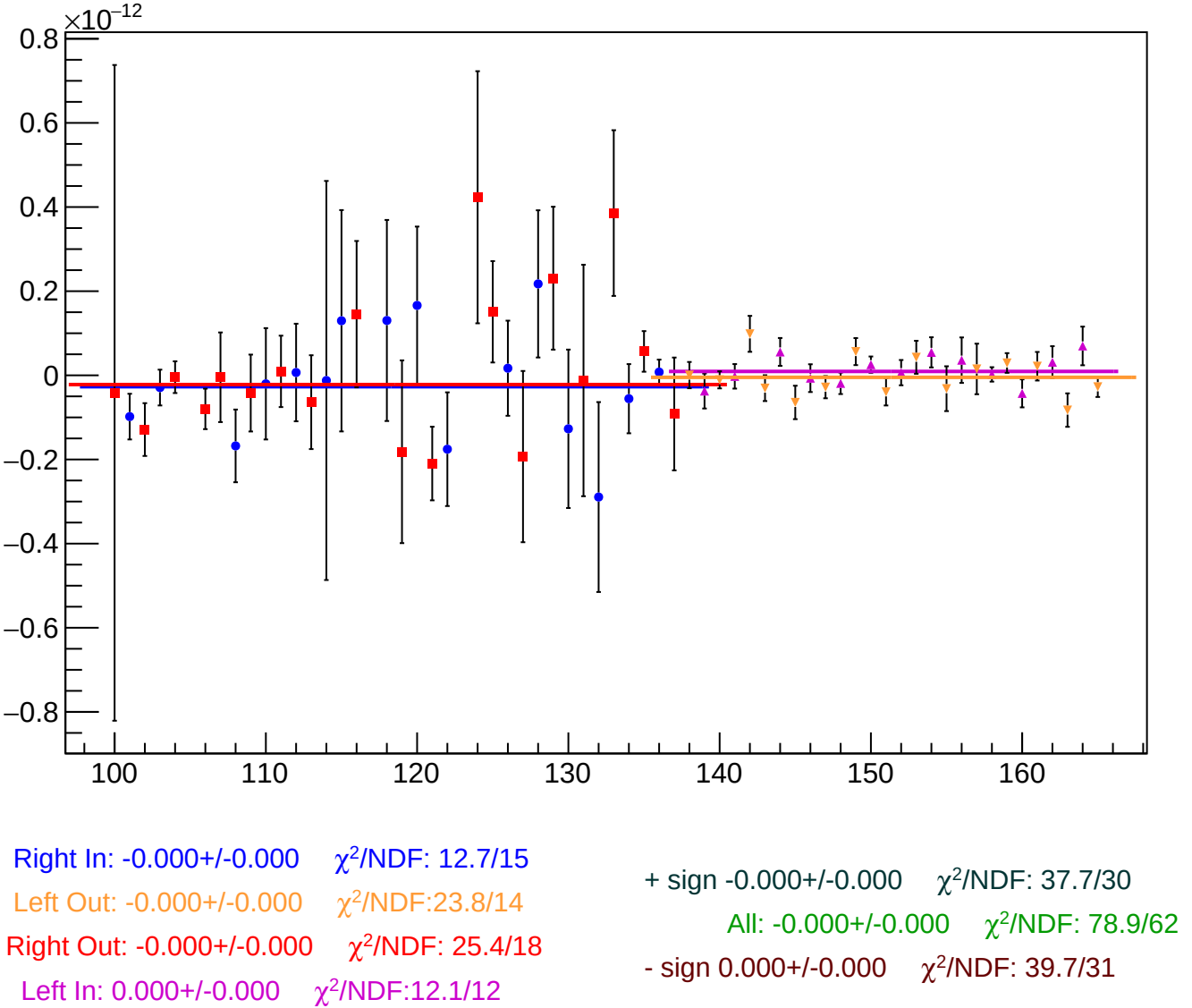
Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

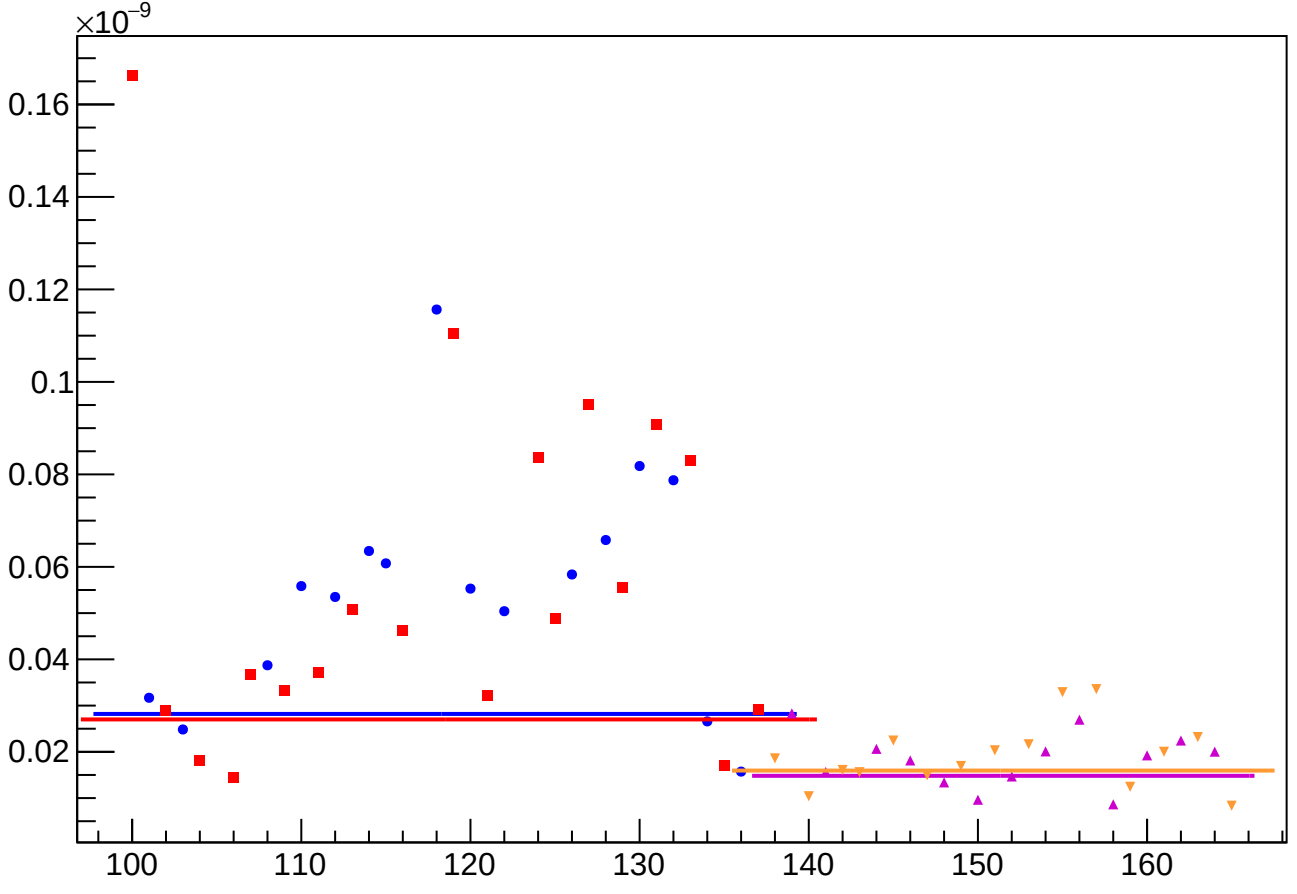
Left In: 1916.731+/-0.410 χ^2/NDF:84292.5/12

+ sign 1928.451+/-0.316 χ^2/NDF: 760632.6/30

All: 1918.128+/-0.224 χ^2/NDF: 1068813.3/62

- sign 1907.717+/-0.317 χ^2/NDF: 306032.7/31


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:23.8/14
Right Out: -0.000+/-0.000 χ²/NDF: 25.4/18
Left In: 0.000+/-0.000 χ²/NDF:12.1/12
+ sign -0.000+/-0.000 χ²/NDF: 37.7/30
All: -0.000+/-0.000 χ²/NDF: 78.9/62
- sign 0.000+/-0.000 χ²/NDF: 39.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1013569.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

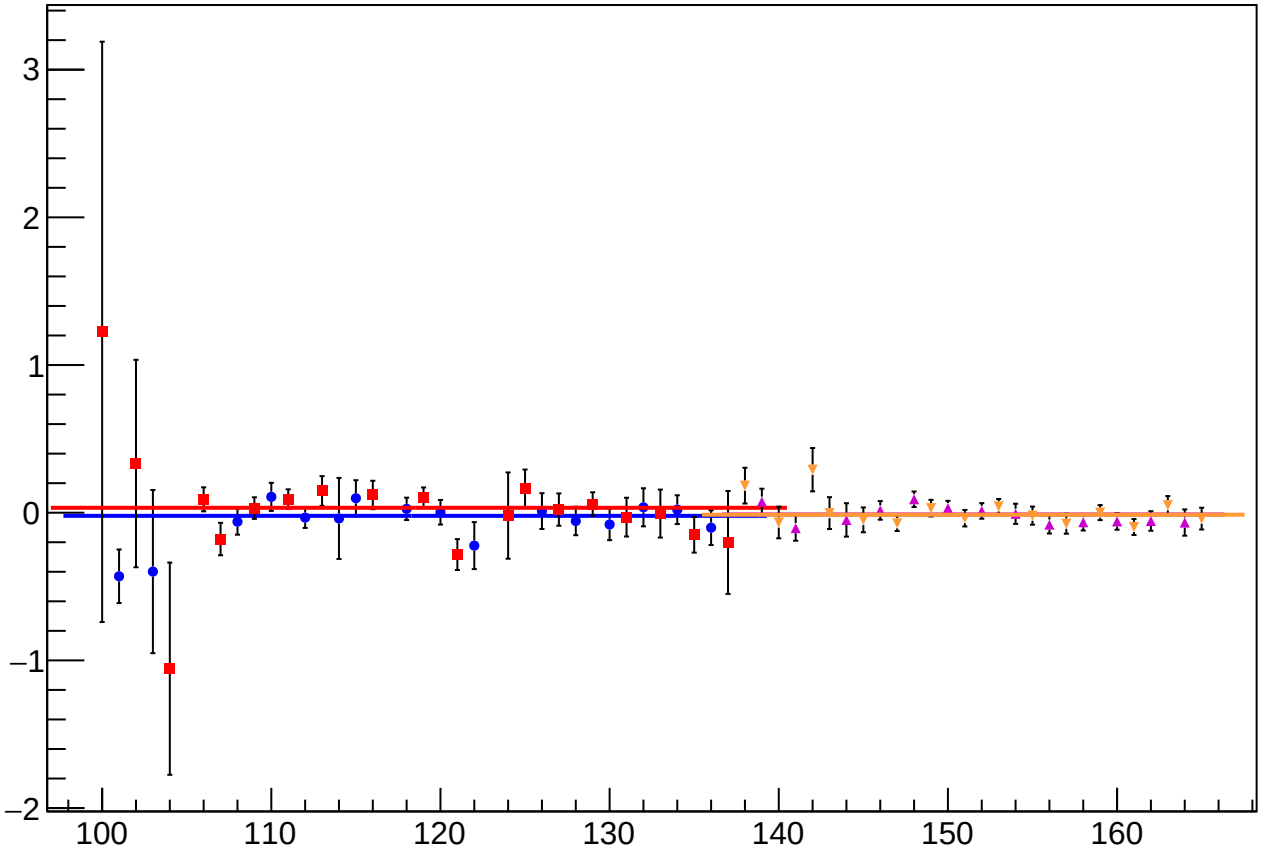
Left In: 0.000+/-0.000 χ^2/NDF:990451.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 3198036.4/30

All: 0.000+/-0.000 χ^2/NDF: 6446594.2/62

- sign 0.000+/-0.000 χ^2/NDF: 3222926.1/31

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: -0.014+/-0.017 χ^2/NDF:15.1/14

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

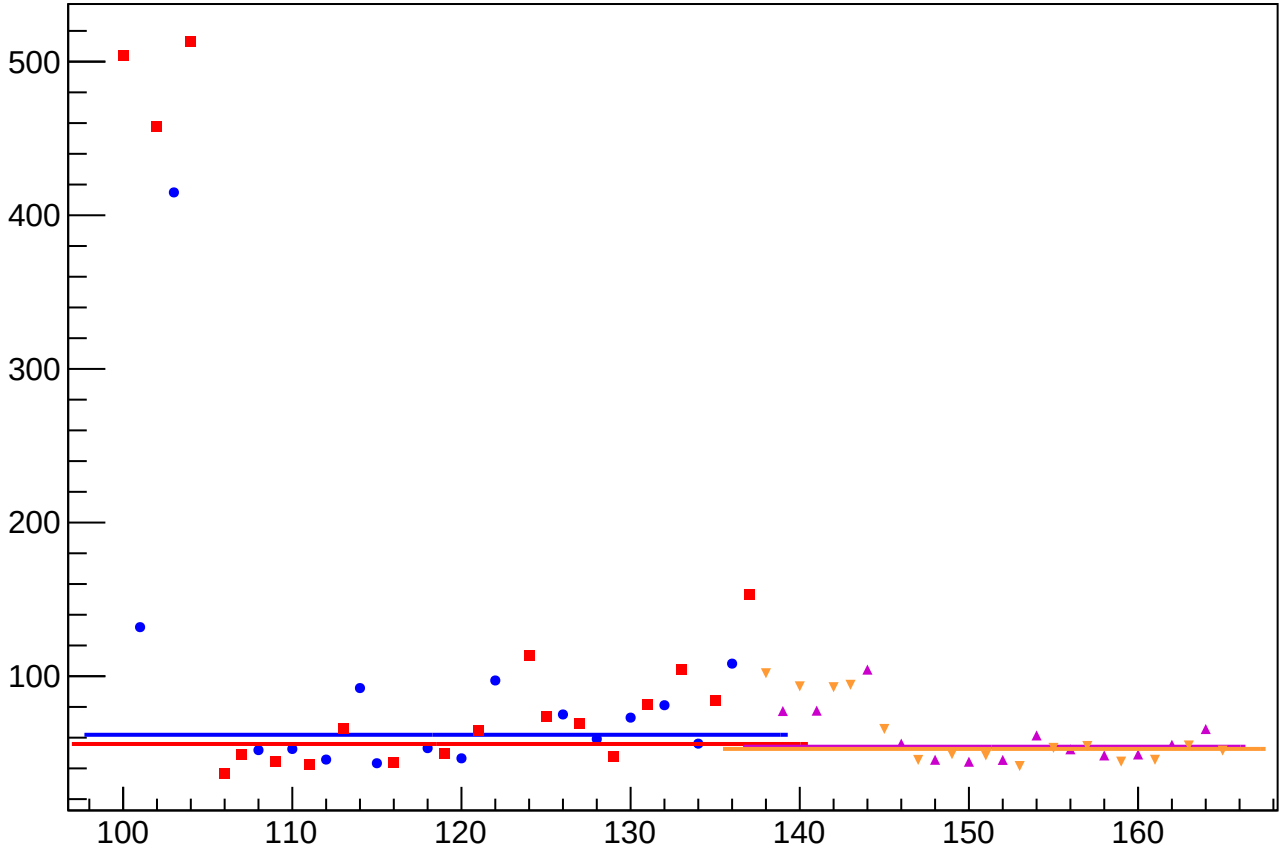
Left In: -0.012+/-0.018 χ^2/NDF:11.0/12

+ sign -0.016+/-0.014 χ^2/NDF: 27.2/30

All: -0.006+/-0.010 χ^2/NDF: 65.7/62

- sign 0.004+/-0.014 χ^2/NDF: 37.6/31

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363880.9/14

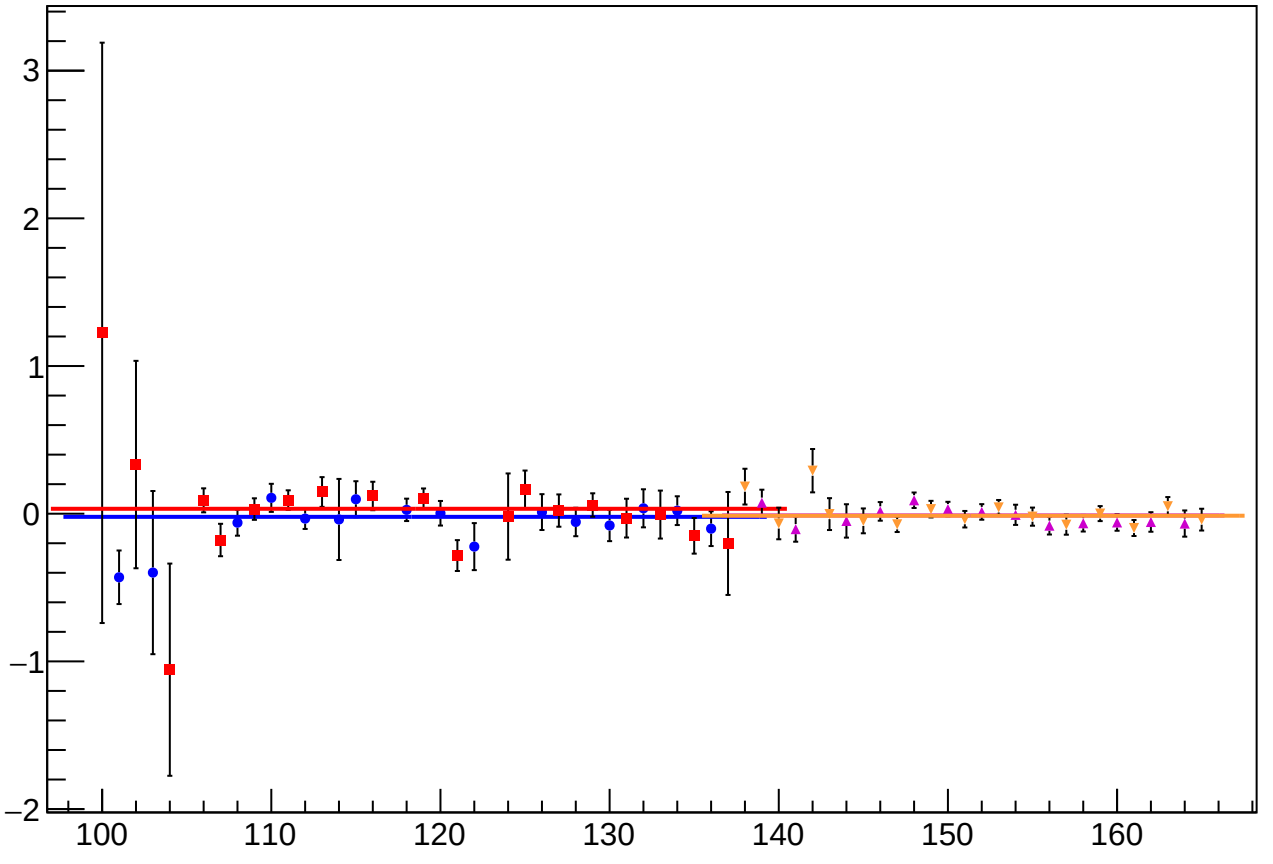
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.104+/-0.012 χ^2/NDF:966654.0/12

+ sign 55.345+/-0.010 χ^2/NDF: 3472101.0/30

All: 55.029+/-0.007 χ^2/NDF: 7038934.7/62

- sign 54.711+/-0.010 χ^2/NDF: 3564871.0/31



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.017 χ^2/NDF:15.1/14

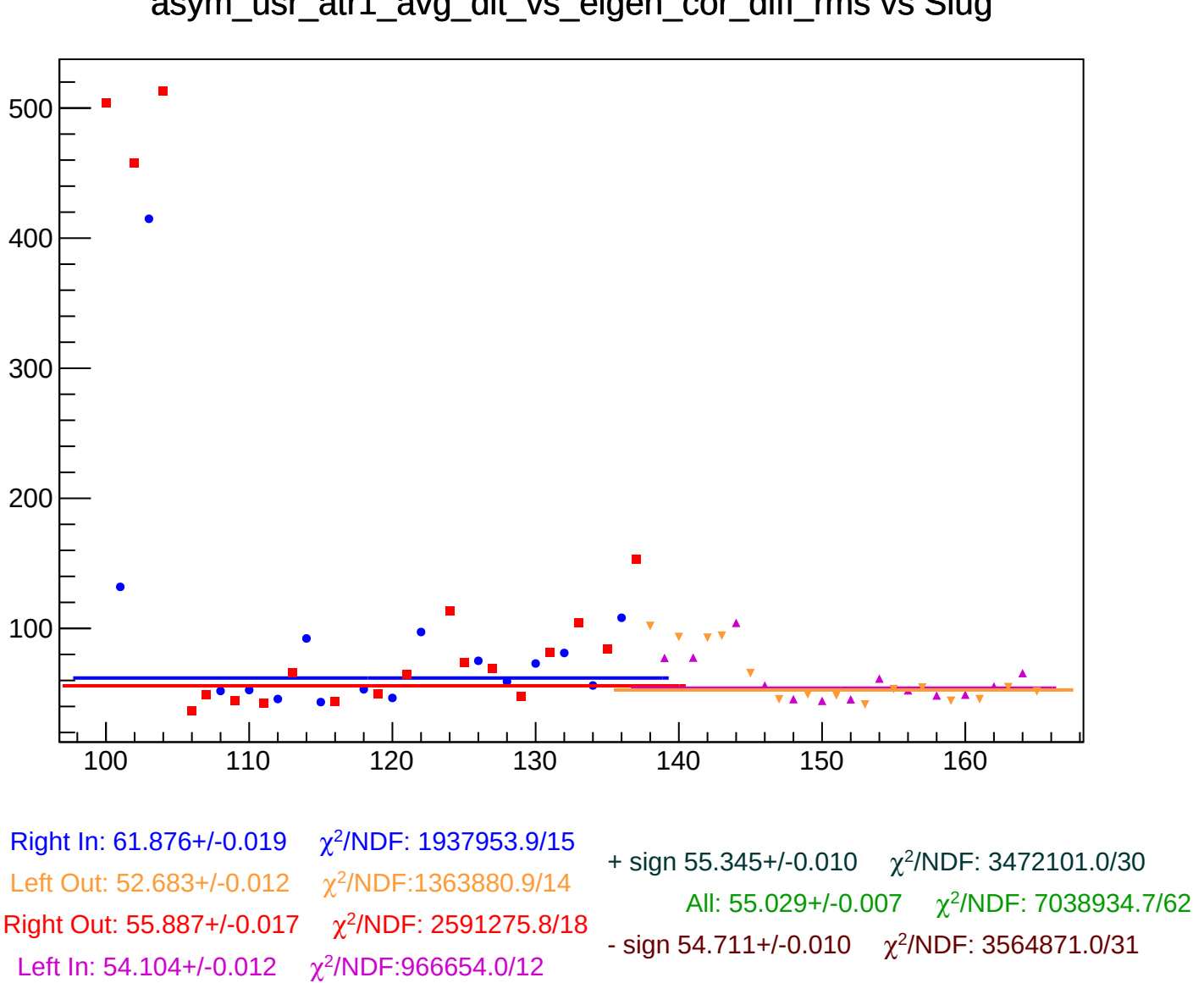
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

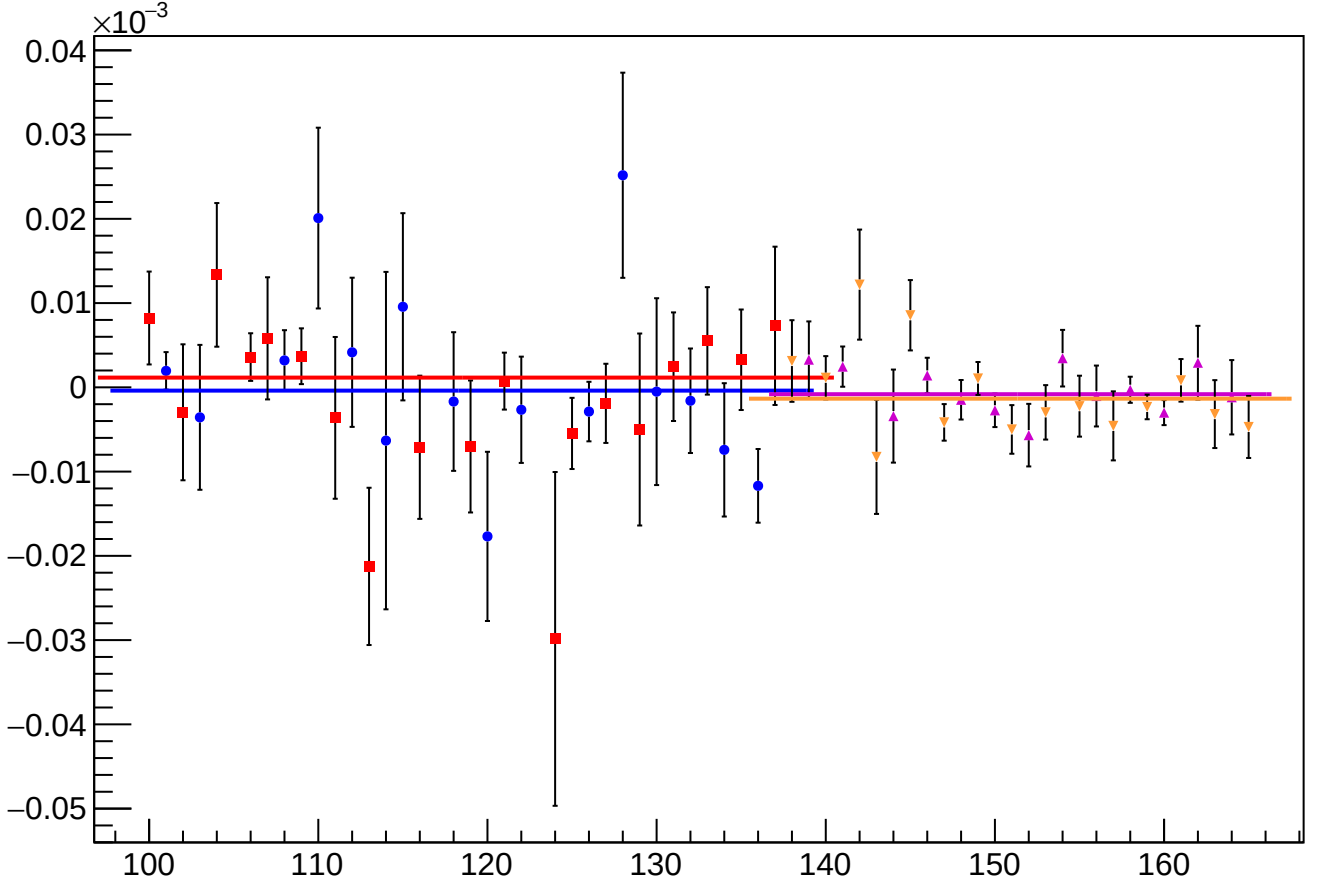
Left In: -0.012+/-0.018 χ^2/NDF:11.0/12

+ sign -0.016+/-0.014 χ^2/NDF: 27.2/30

All: -0.006+/-0.010 χ^2/NDF: 65.7/62

- sign 0.004+/-0.014 χ^2/NDF: 37.6/31


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 52.683+/-0.012 χ²/NDF:1363880.9/14
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 54.104+/-0.012 χ²/NDF:966654.0/12
+ sign 55.345+/-0.010 χ²/NDF: 3472101.0/30
All: 55.029+/-0.007 χ²/NDF: 7038934.7/62
- sign 54.711+/-0.010 χ²/NDF: 3564871.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.7/14

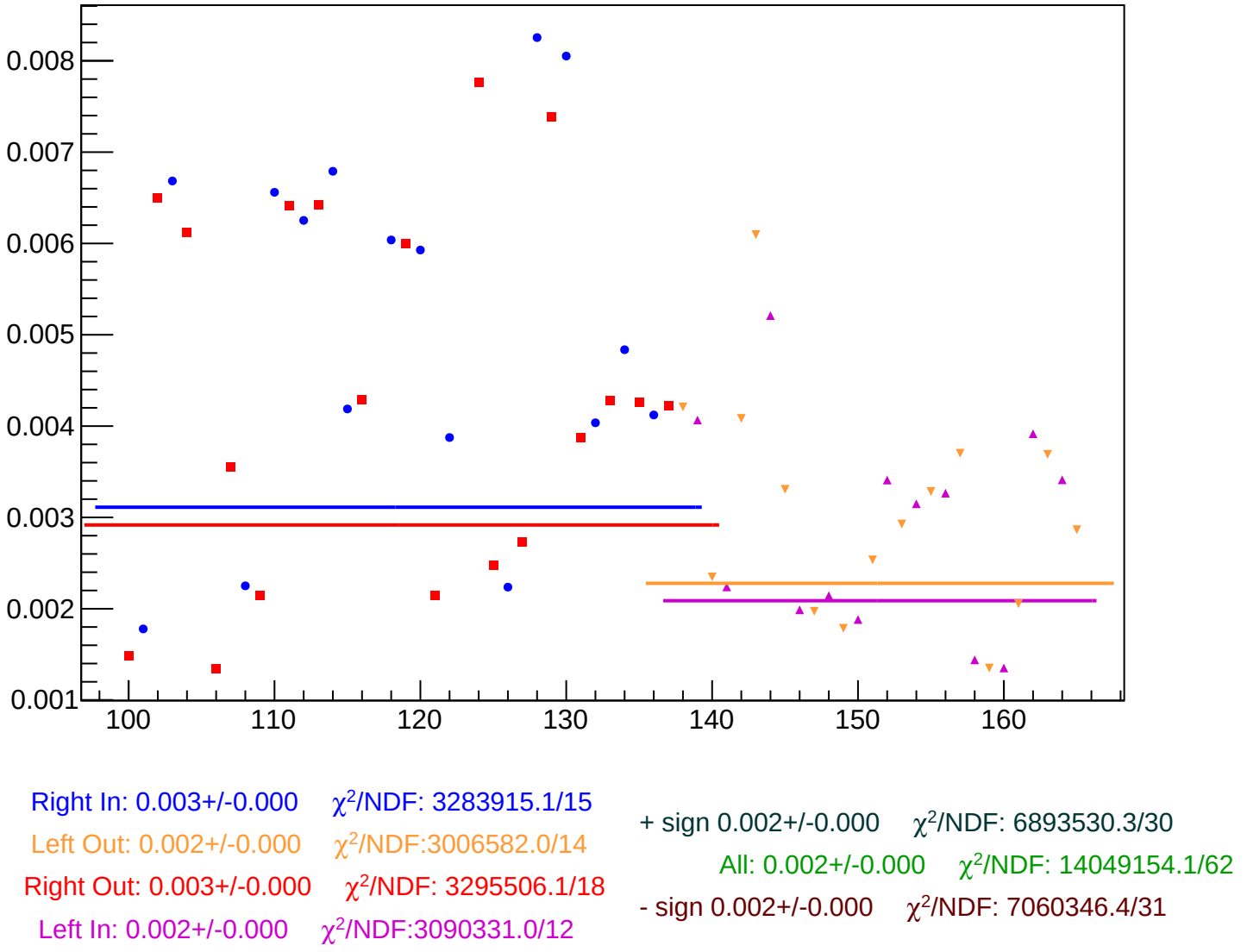
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

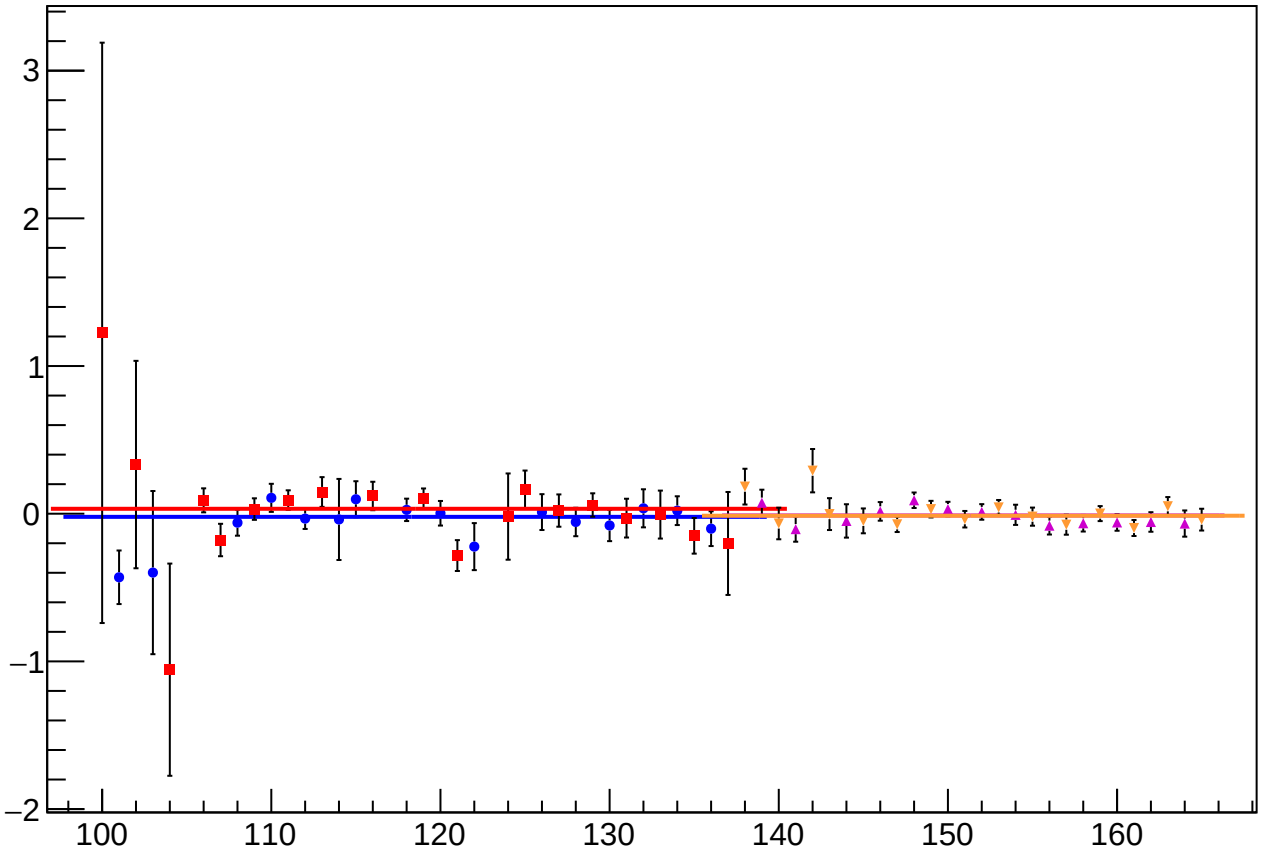
Left In: -0.000+/-0.000 χ^2/NDF:11.4/12

\+ sign -0.000+/-0.000 χ^2/NDF: 43.7/30

All: -0.000+/-0.000 χ^2/NDF: 78.2/62

\- sign -0.000+/-0.000 χ^2/NDF: 33.7/31


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 3283915.1/15
Left Out: 0.002+/-0.000 χ²/NDF:3006582.0/14
Right Out: 0.003+/-0.000 χ²/NDF: 3295506.1/18
Left In: 0.002+/-0.000 χ²/NDF:3090331.0/12
+ sign 0.002+/-0.000 χ²/NDF: 6893530.3/30
All: 0.002+/-0.000 χ²/NDF: 14049154.1/62
- sign 0.002+/-0.000 χ²/NDF: 7060346.4/31



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.017 χ^2/NDF:15.1/14

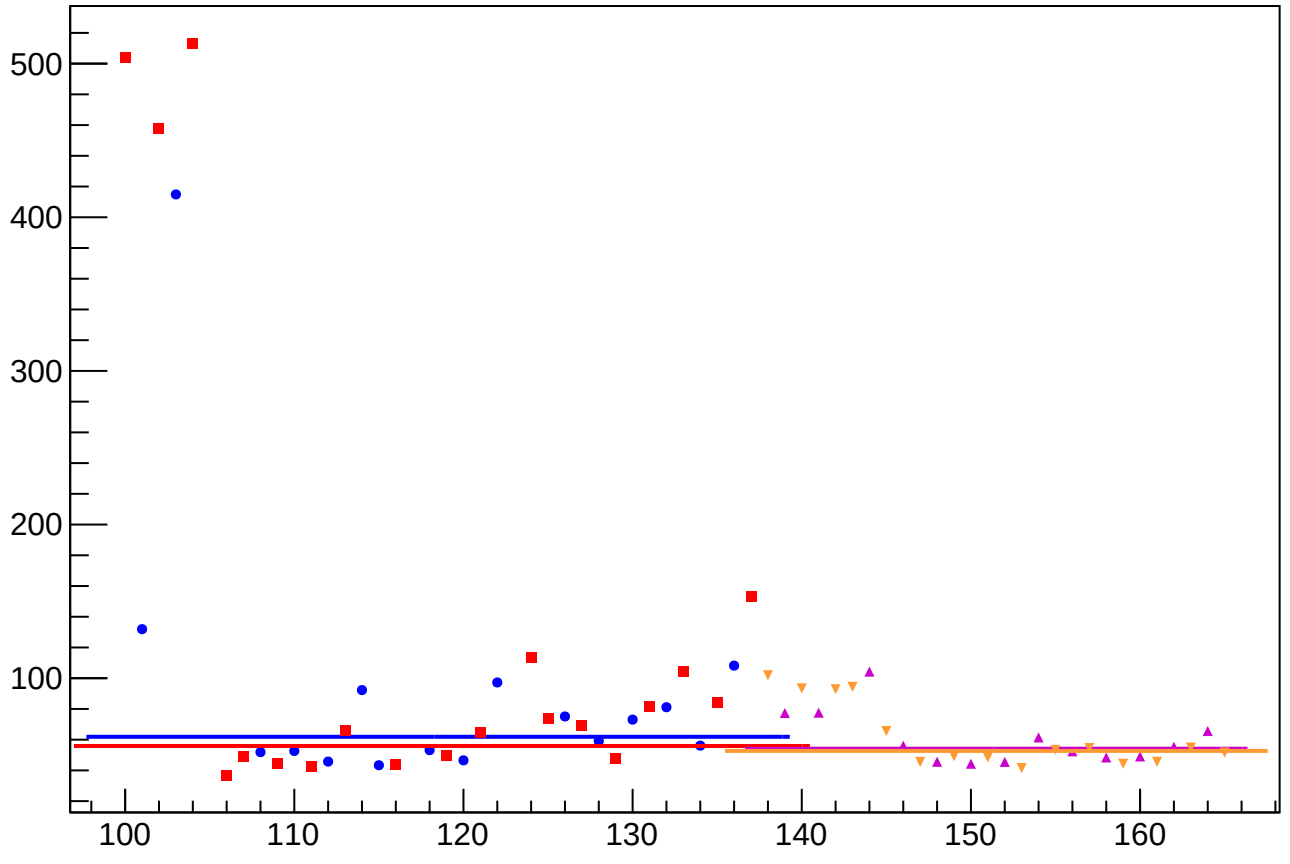
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.012+/-0.018 χ^2/NDF:11.0/12

+ sign -0.016+/-0.014 χ^2/NDF: 27.2/30

All: -0.006+/-0.010 χ^2/NDF: 65.7/62

- sign 0.004+/-0.014 χ^2/NDF: 37.6/31



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363913.5/14

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

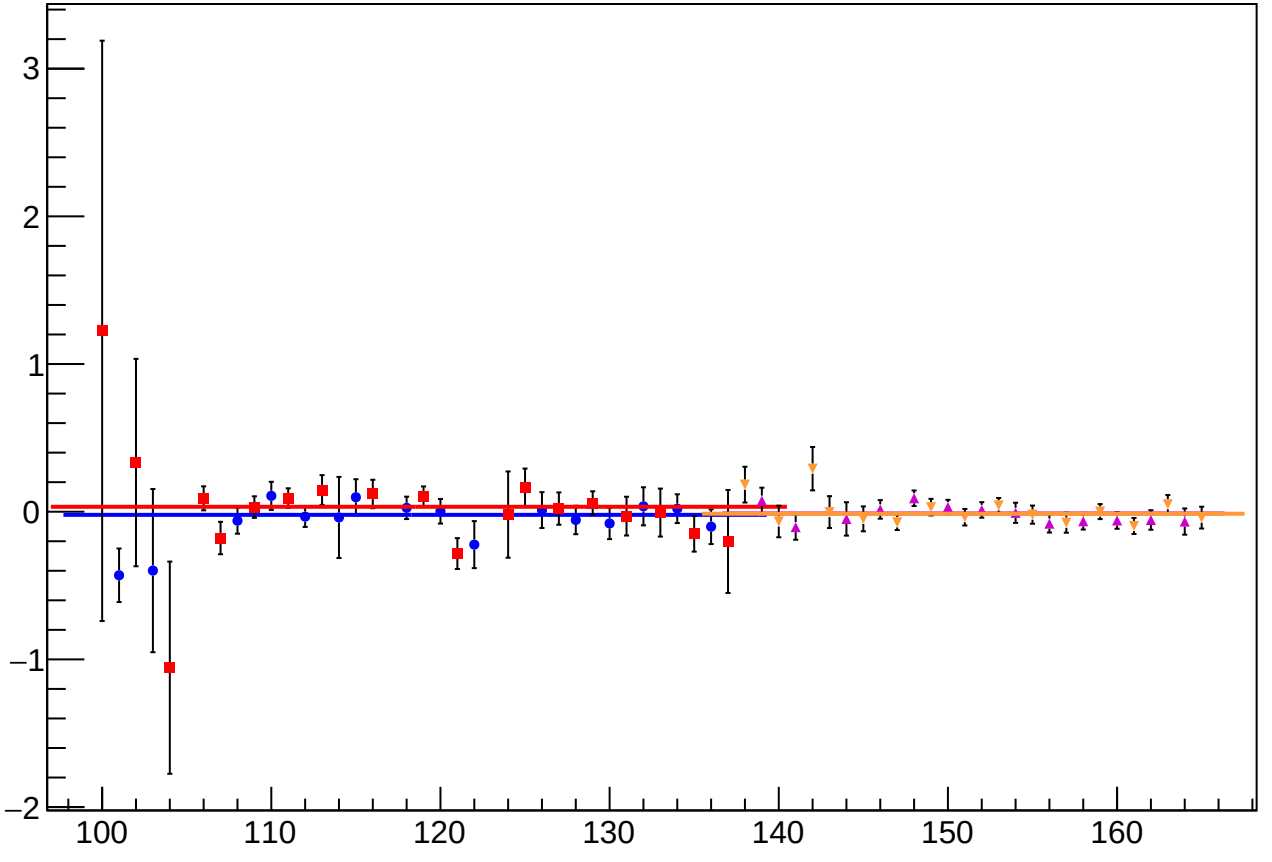
Left In: 54.104+/-0.012 χ^2/NDF:966636.2/12

+ sign 55.345+/-0.010 χ^2/NDF: 3472066.4/30

All: 55.029+/-0.007 χ^2/NDF: 7038832.9/62

- sign 54.711+/-0.010 χ^2/NDF: 3564804.2/31

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: -0.014+/-0.017 χ^2/NDF:15.1/14

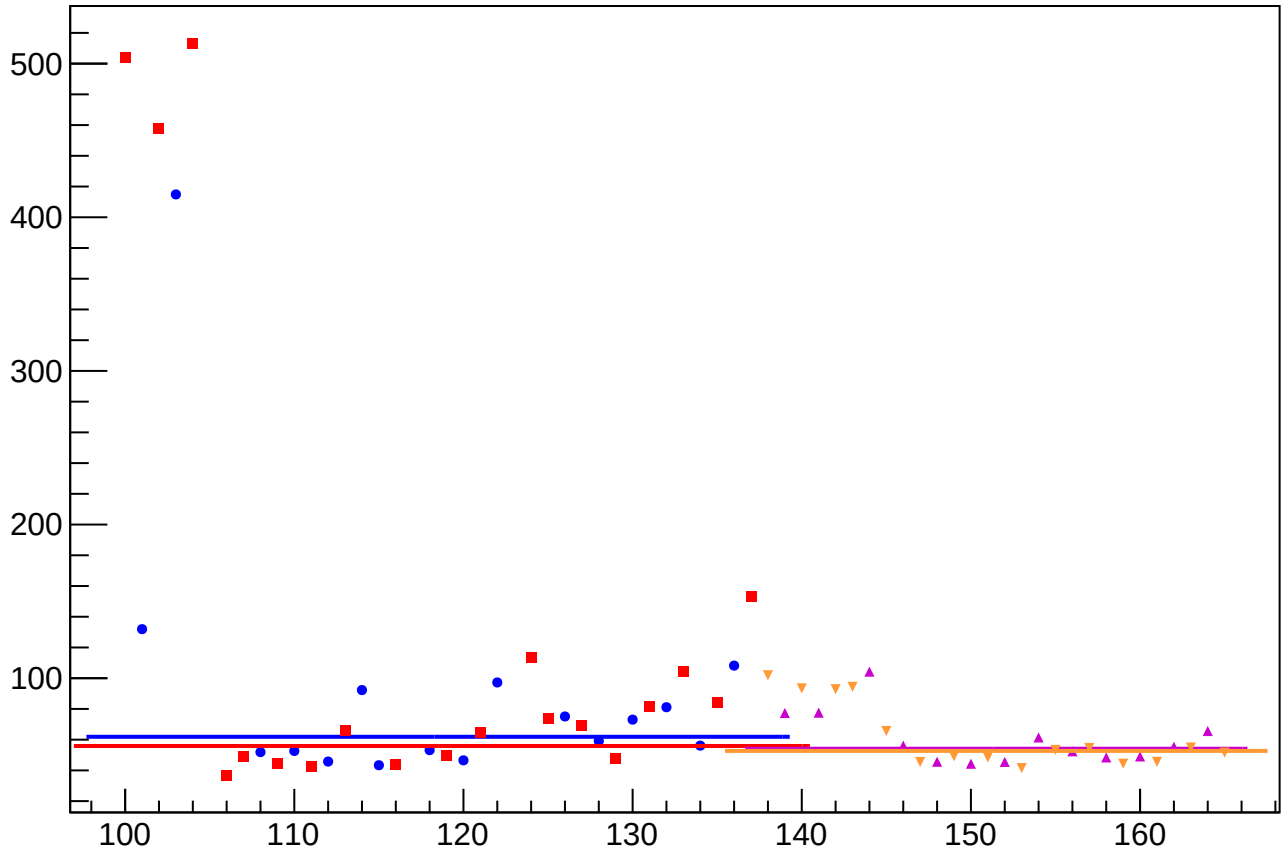
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.012+/-0.018 χ^2/NDF:11.0/12

+ sign -0.016+/-0.014 χ^2/NDF: 27.2/30

All: -0.006+/-0.010 χ^2/NDF: 65.7/62

- sign 0.004+/-0.014 χ^2/NDF: 37.6/31



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.683+/-0.012 χ^2/NDF:1363913.5/14

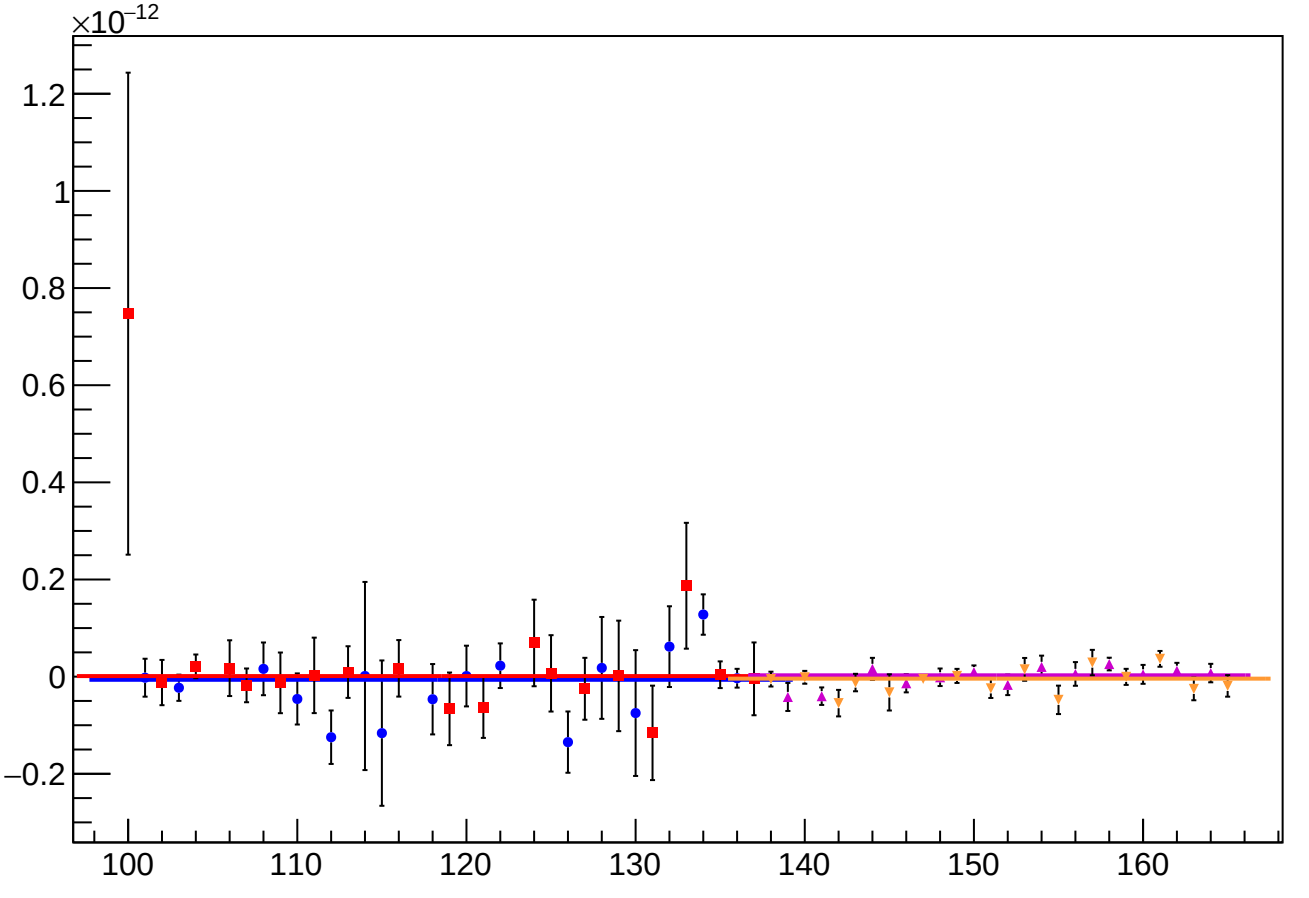
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.104+/-0.012 χ^2/NDF:966636.2/12

+ sign 55.345+/-0.010 χ^2/NDF: 3472066.4/30

All: 55.029+/-0.007 χ^2/NDF: 7038832.9/62

- sign 54.711+/-0.010 χ^2/NDF: 3564804.2/31



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/14

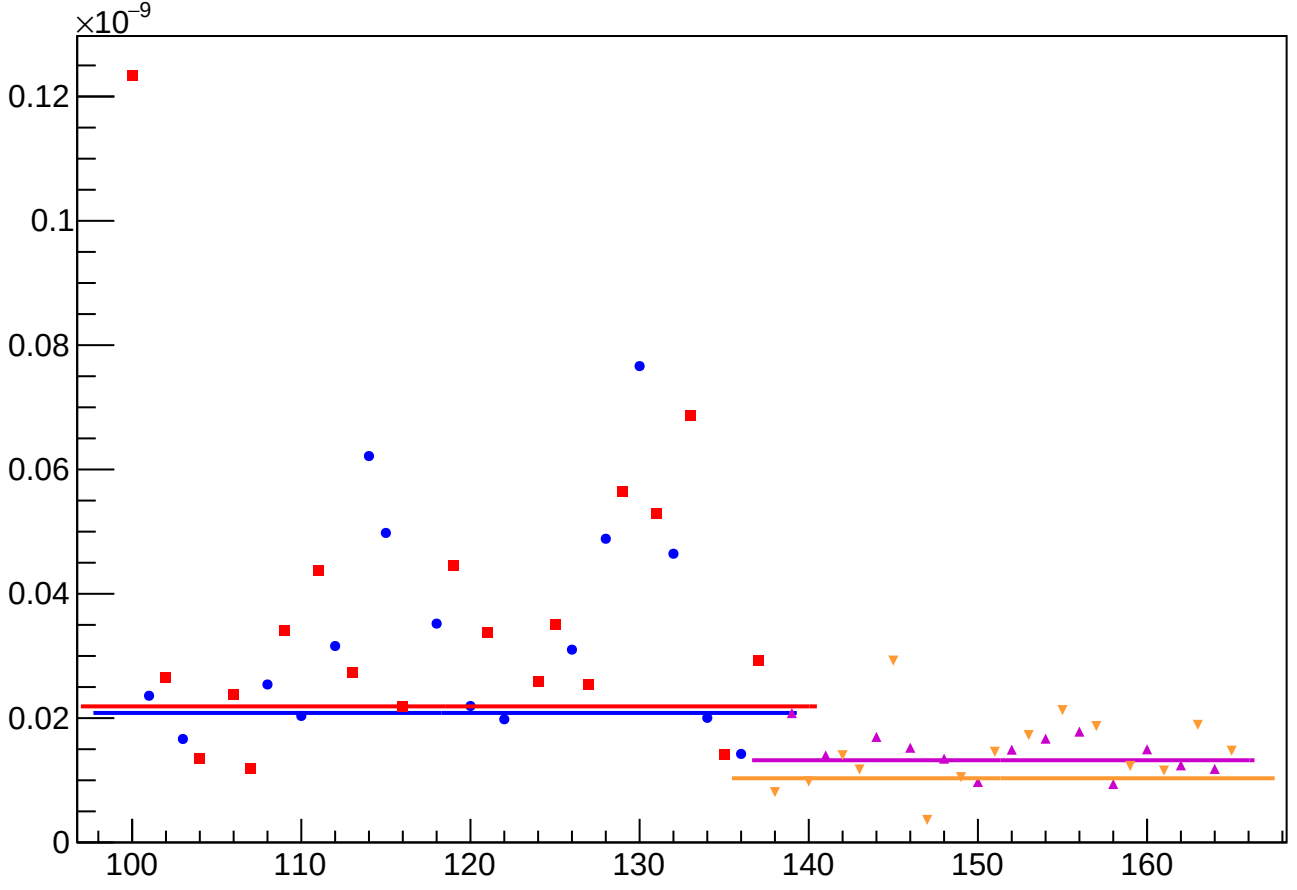
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/12

\+ sign -0.000+/-0.000 χ^2/NDF: 40.1/30

All: -0.000+/-0.000 χ^2/NDF: 65.5/62

\- sign 0.000+/-0.000 χ^2/NDF: 24.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3047057.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

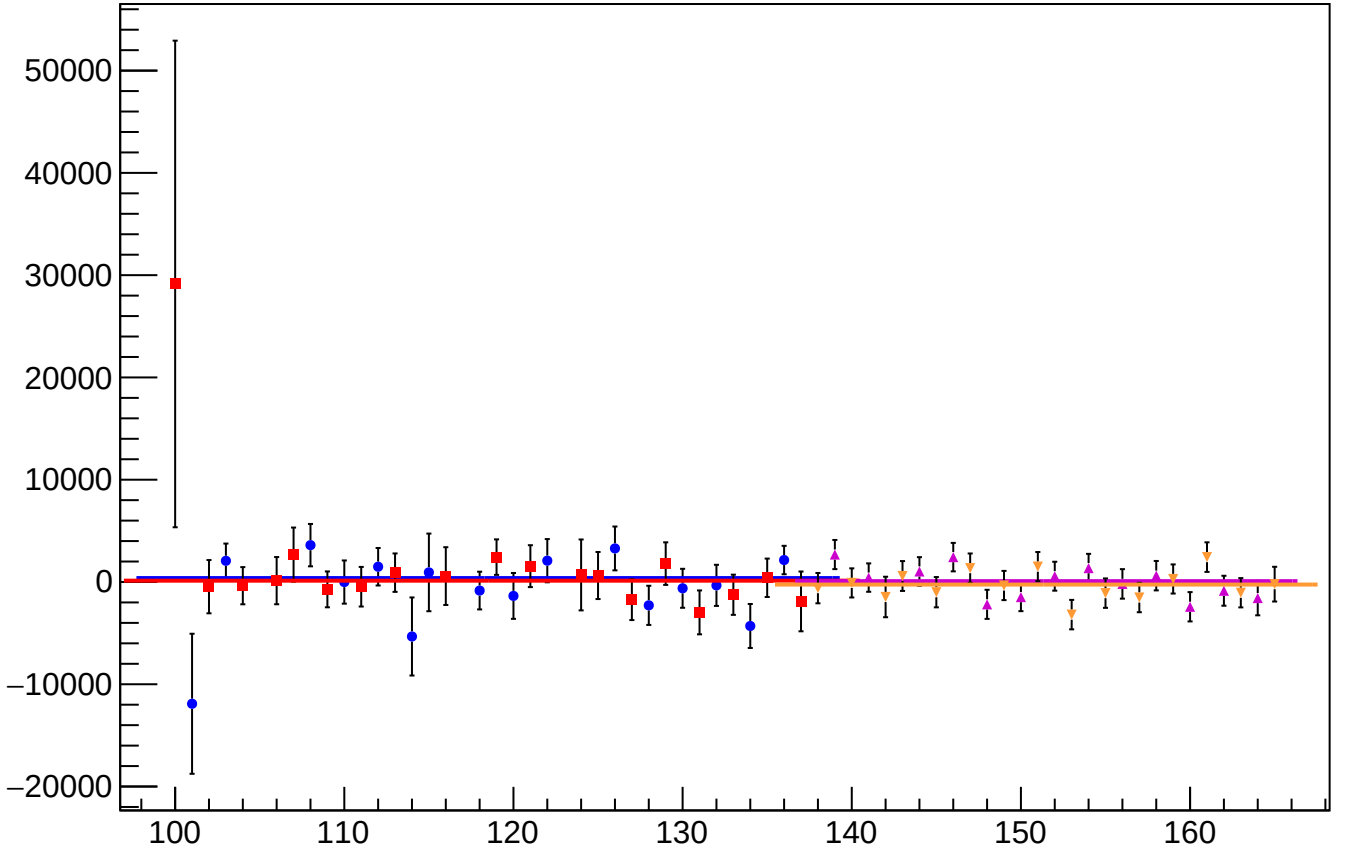
Left In: 0.000+/-0.000 χ^2/NDF:683731.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 5939989.5/30

All: 0.000+/-0.000 χ^2/NDF: 9856764.4/62

- sign 0.000+/-0.000 χ^2/NDF: 3485760.7/31

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -252.669+/-382.071 χ^2/NDF:13.0/14

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

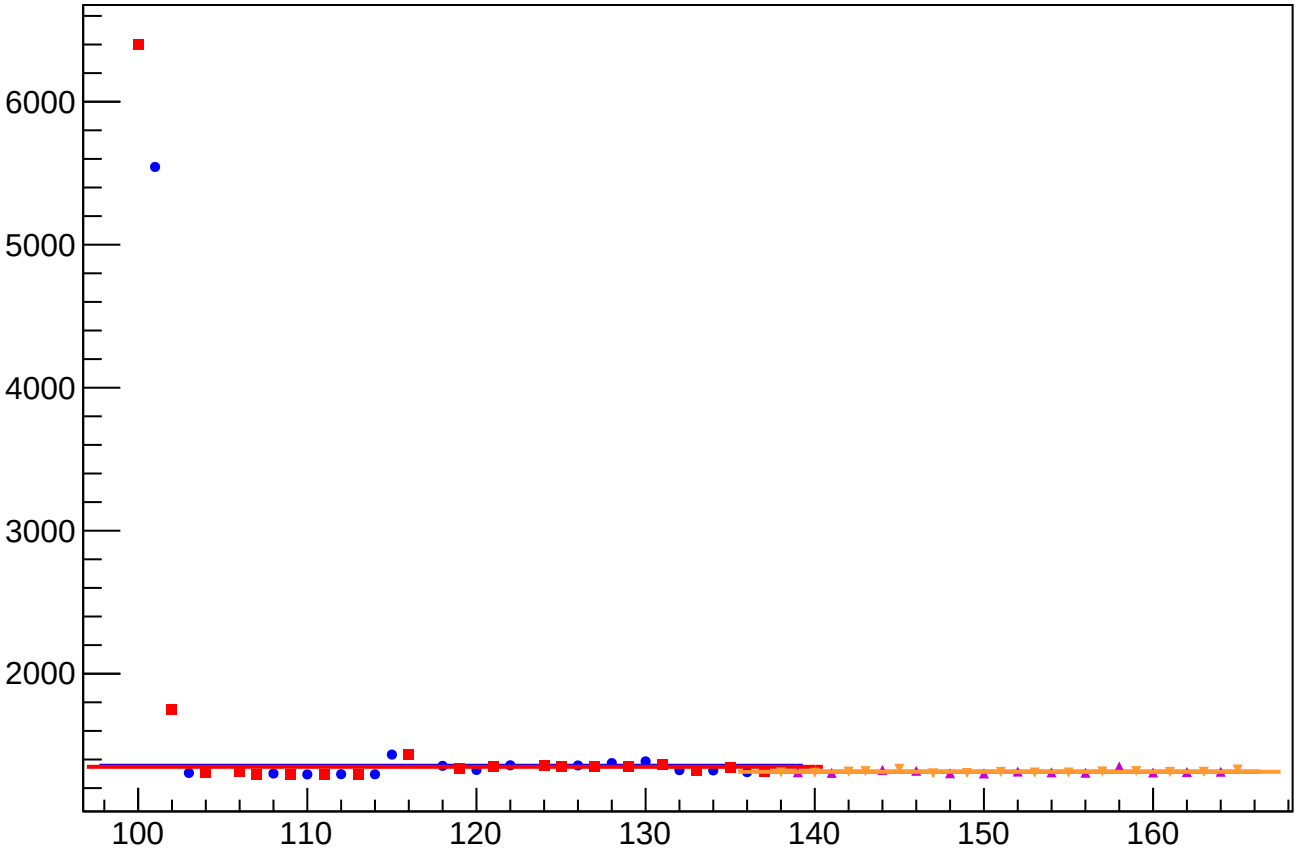
Left In: 80.863+/-397.045 χ^2/NDF:16.1/12

+ sign -29.138+/-307.434 χ^2/NDF: 35.5/30

All: 34.167+/-218.698 χ^2/NDF: 61.6/62

- sign 99.021+/-311.172 χ^2/NDF: 26.1/31

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1314.071+/-0.270 χ^2/NDF:897.9/14

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

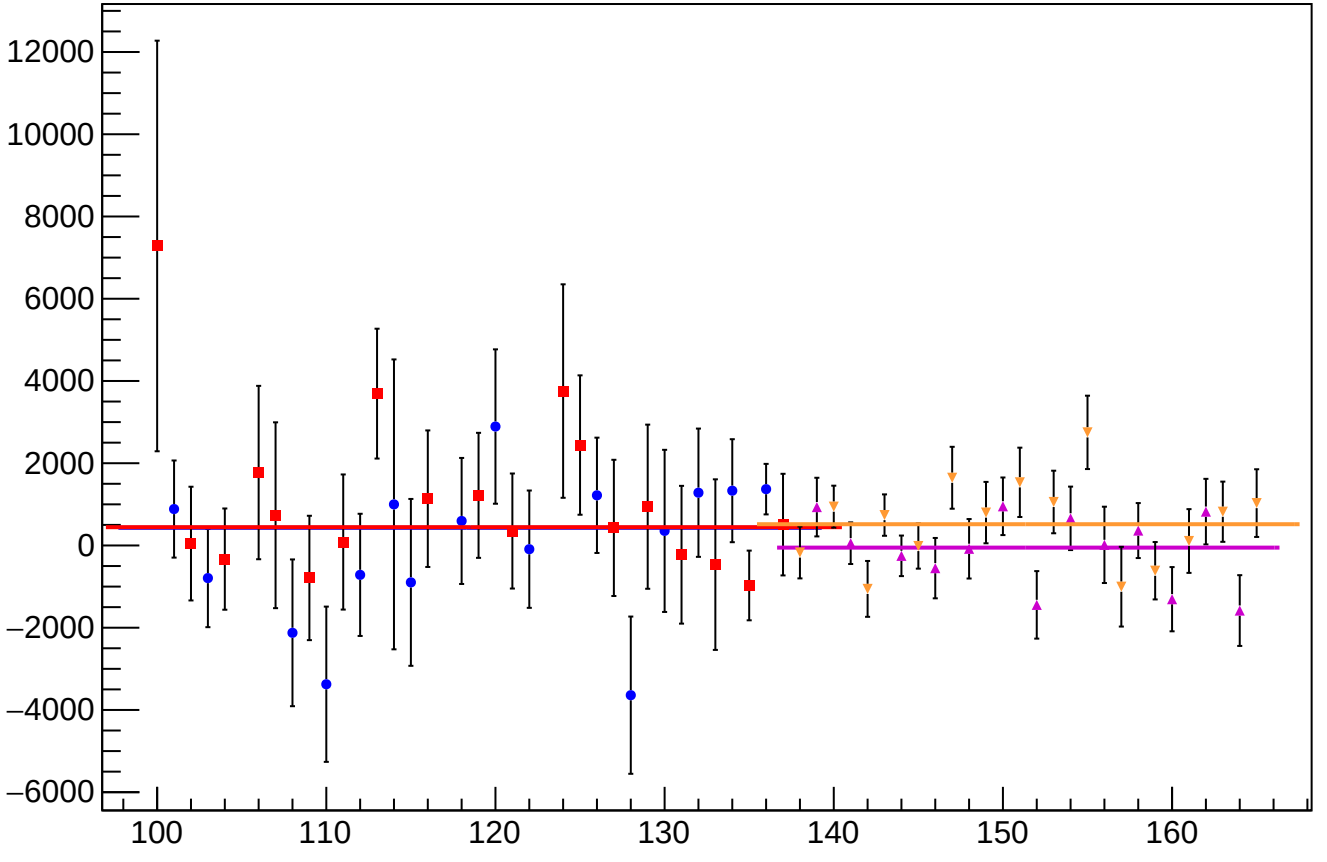
Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

+ sign 1328.992+/-0.217 χ^2/NDF: 769817.2/30

All: 1328.581+/-0.155 χ^2/NDF: 924662.8/62

- sign 1328.159+/-0.220 χ^2/NDF: 154838.3/31

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 516.972+/-177.186 χ^2/NDF:24.9/14

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

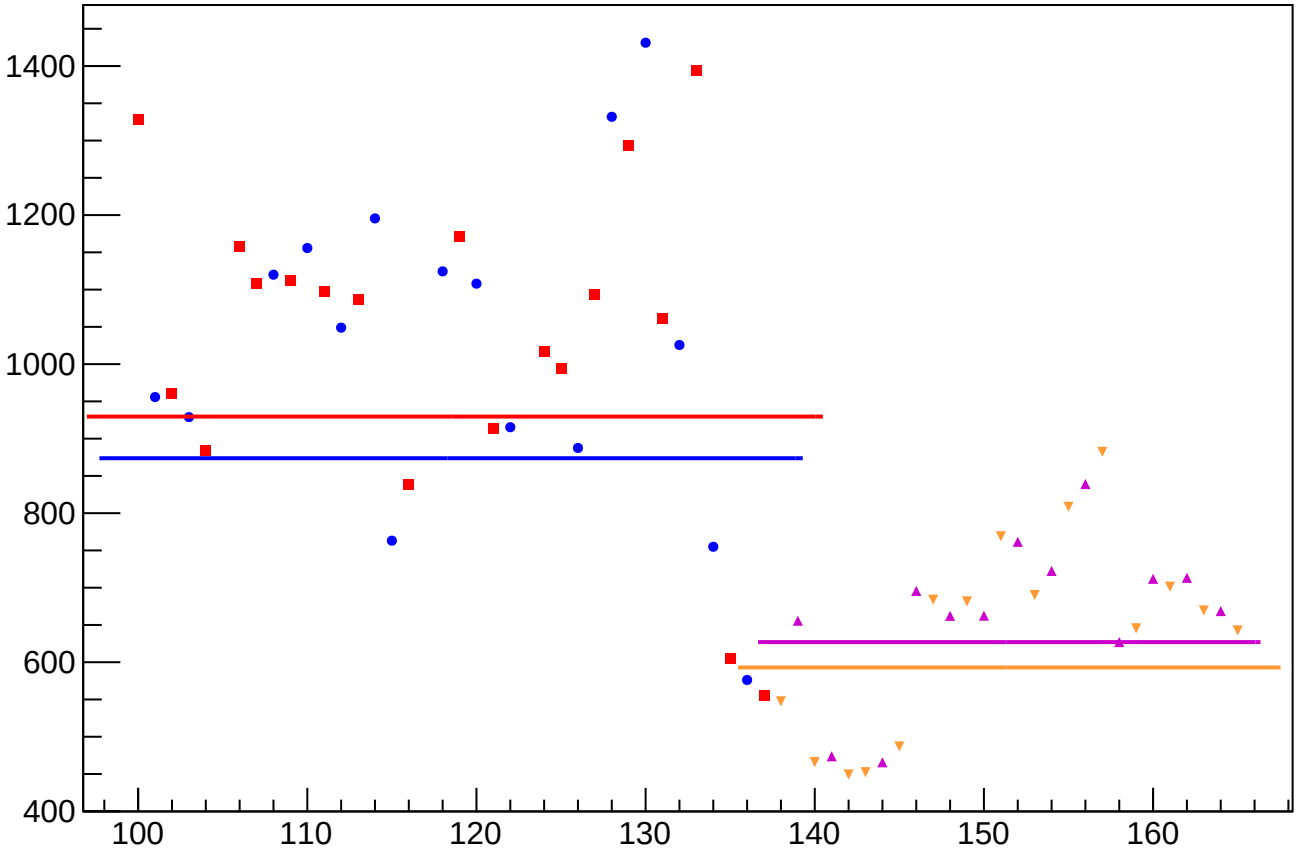
Left In: -52.426+/-192.749 χ^2/NDF:15.7/12

+ sign 498.342+/-156.976 χ^2/NDF: 43.2/30

All: 296.105+/-115.158 χ^2/NDF: 78.4/62

- sign 60.435+/-169.456 χ^2/NDF: 31.6/31

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 592.969+/-0.125 χ^2/NDF:1005464.6/14

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

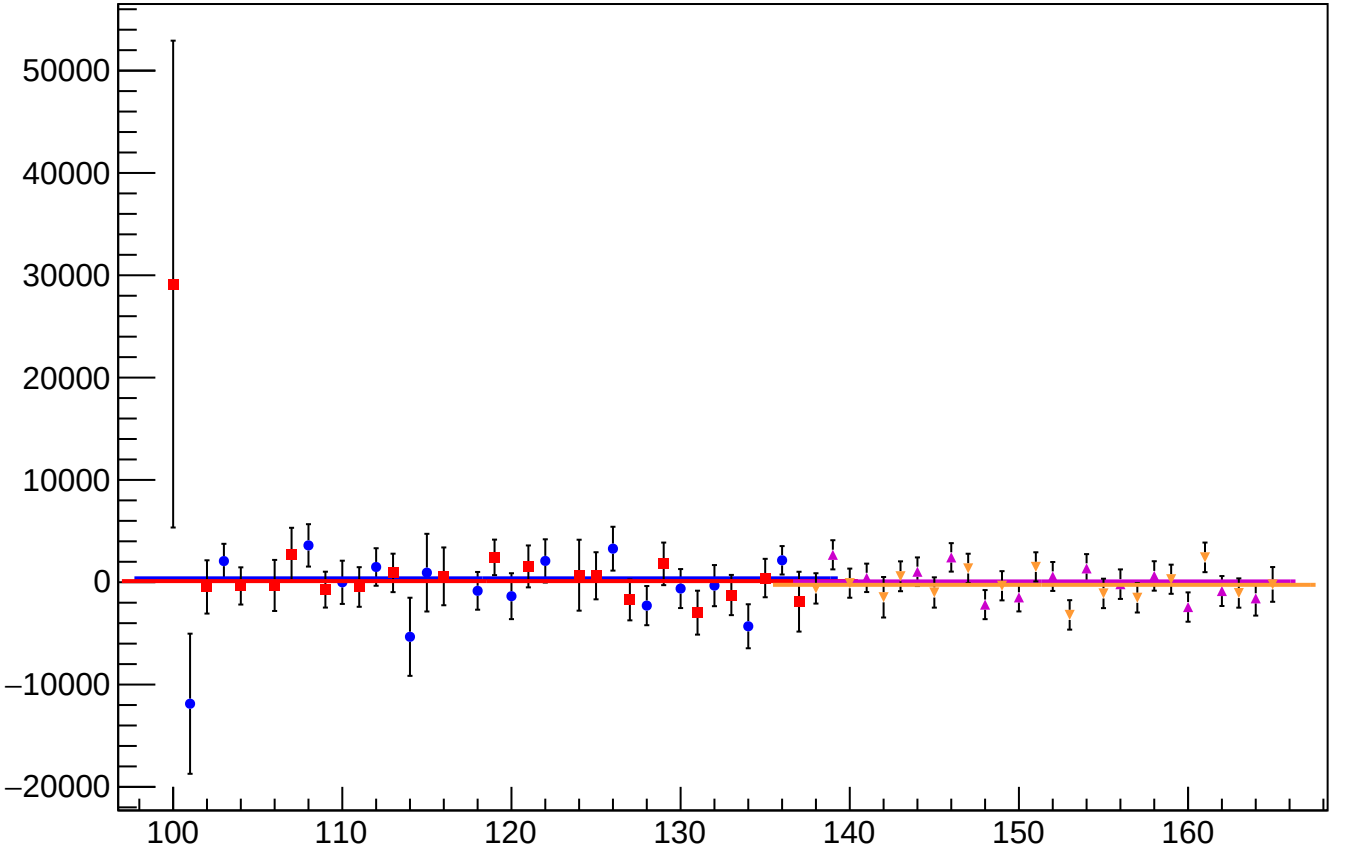
Left In: 627.013+/-0.136 χ^2/NDF:668362.8/12

+ sign 653.363+/-0.111 χ^2/NDF: 3100540.1/30

All: 672.932+/-0.081 χ^2/NDF: 5815718.4/62

- sign 695.736+/-0.120 χ^2/NDF: 2647876.1/31

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -252.730+/-382.071 χ^2/NDF:13.0/14

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

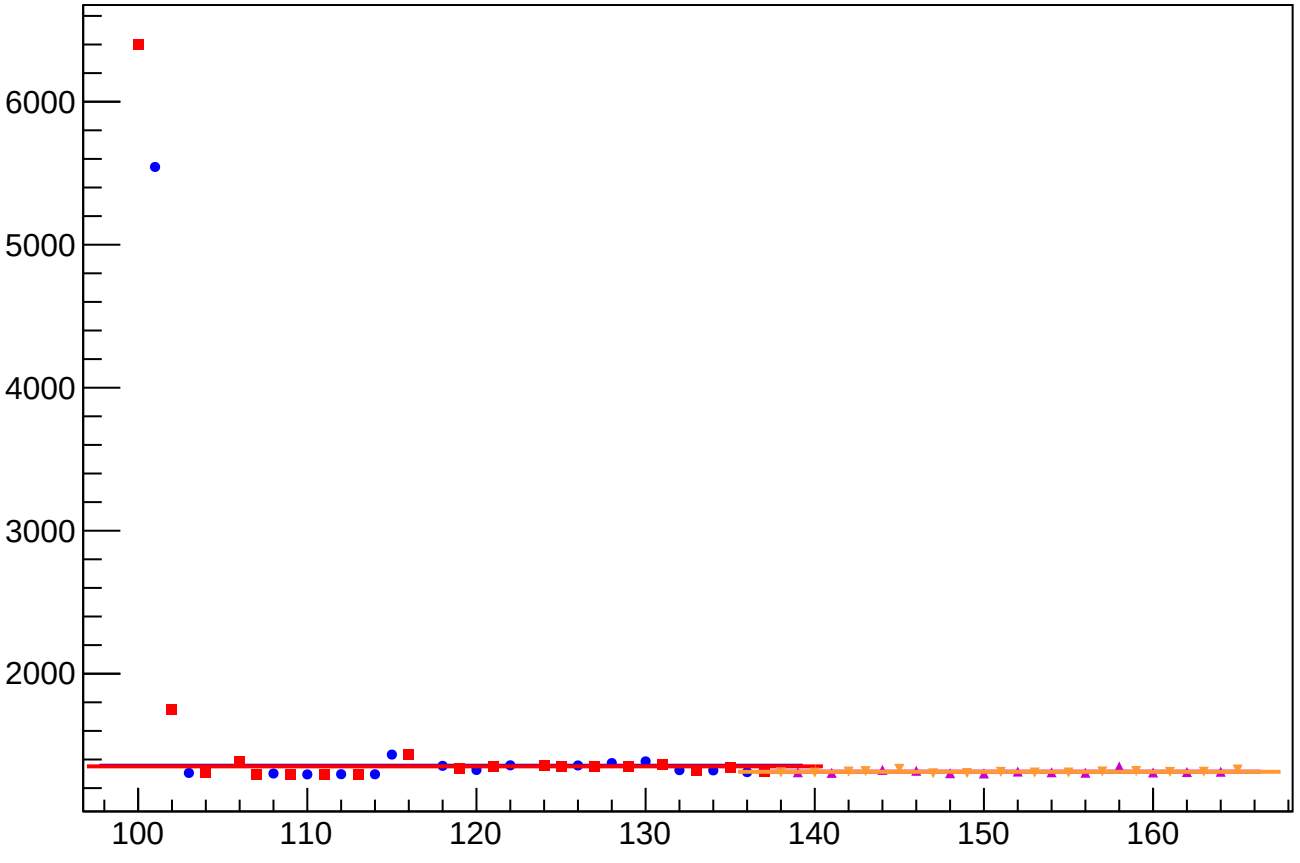
Left In: 80.885+/-397.045 χ^2/NDF:16.1/12

+ sign -29.069+/-307.434 χ^2/NDF: 35.4/30

All: 30.742+/-218.840 χ^2/NDF: 61.6/62

- sign 92.178+/-311.580 χ^2/NDF: 26.1/31

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.071+/-0.270 χ^2/NDF:897.9/14

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

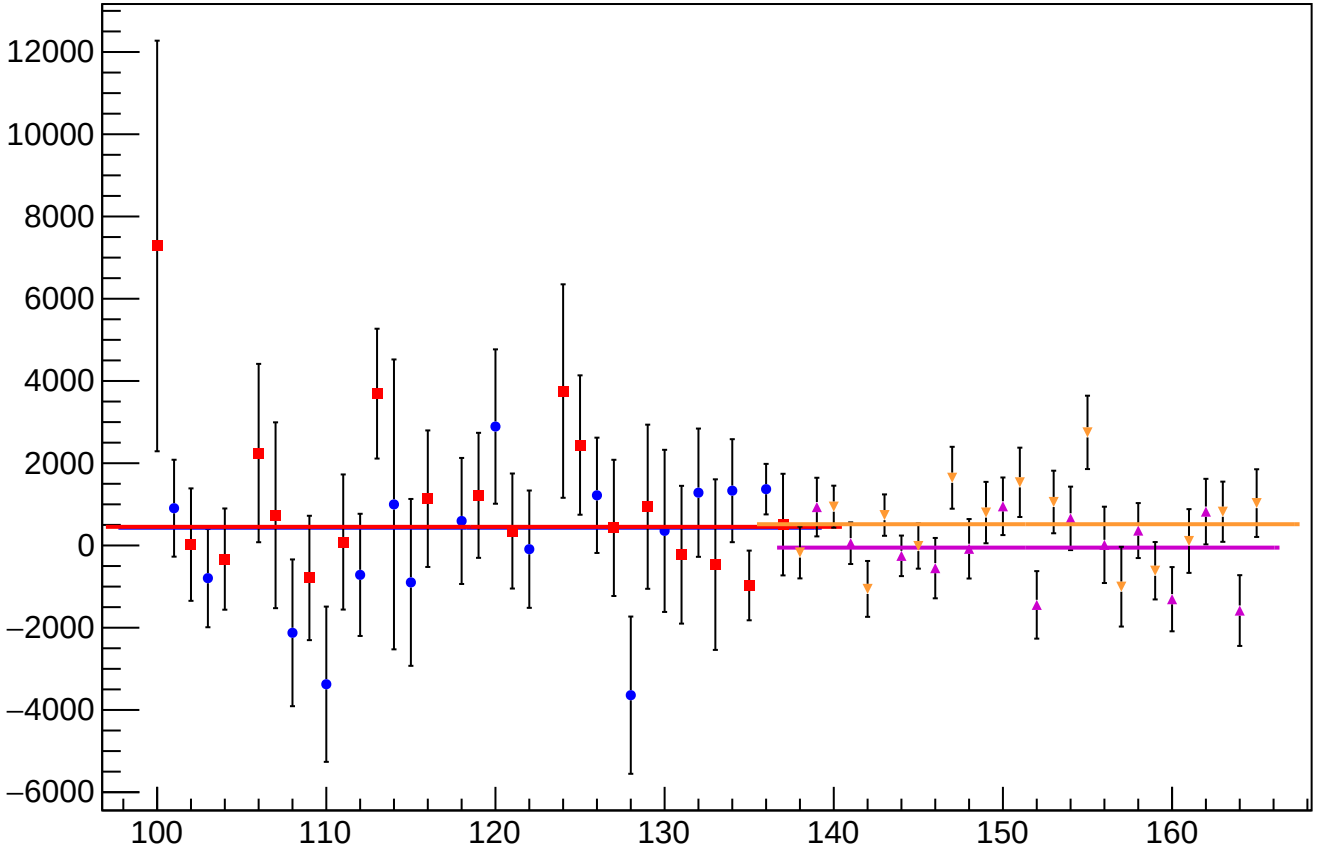
Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

+ sign 1328.992+/-0.217 χ^2/NDF: 769816.2/30

All: 1329.143+/-0.155 χ^2/NDF: 925767.0/62

- sign 1329.299+/-0.220 χ^2/NDF: 155949.8/31

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 516.901+/-177.186 χ^2/NDF:24.9/14

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

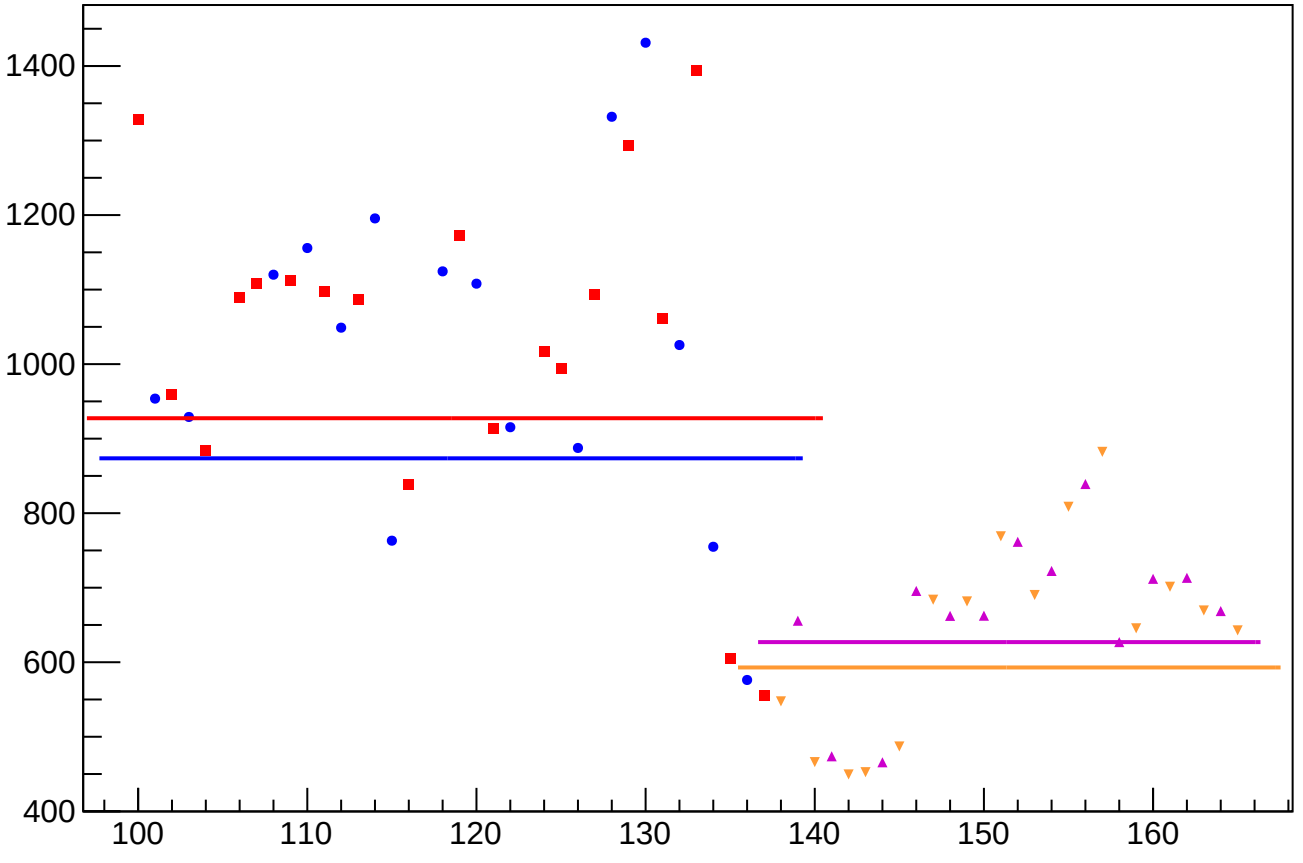
Left In: -52.444+/-192.748 χ^2/NDF:15.7/12

+ sign 498.662+/-156.971 χ^2/NDF: 43.2/30

All: 297.166+/-115.156 χ^2/NDF: 78.8/62

- sign 62.343+/-169.455 χ^2/NDF: 32.0/31

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 592.970+/-0.125 χ^2/NDF:1005405.9/14

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

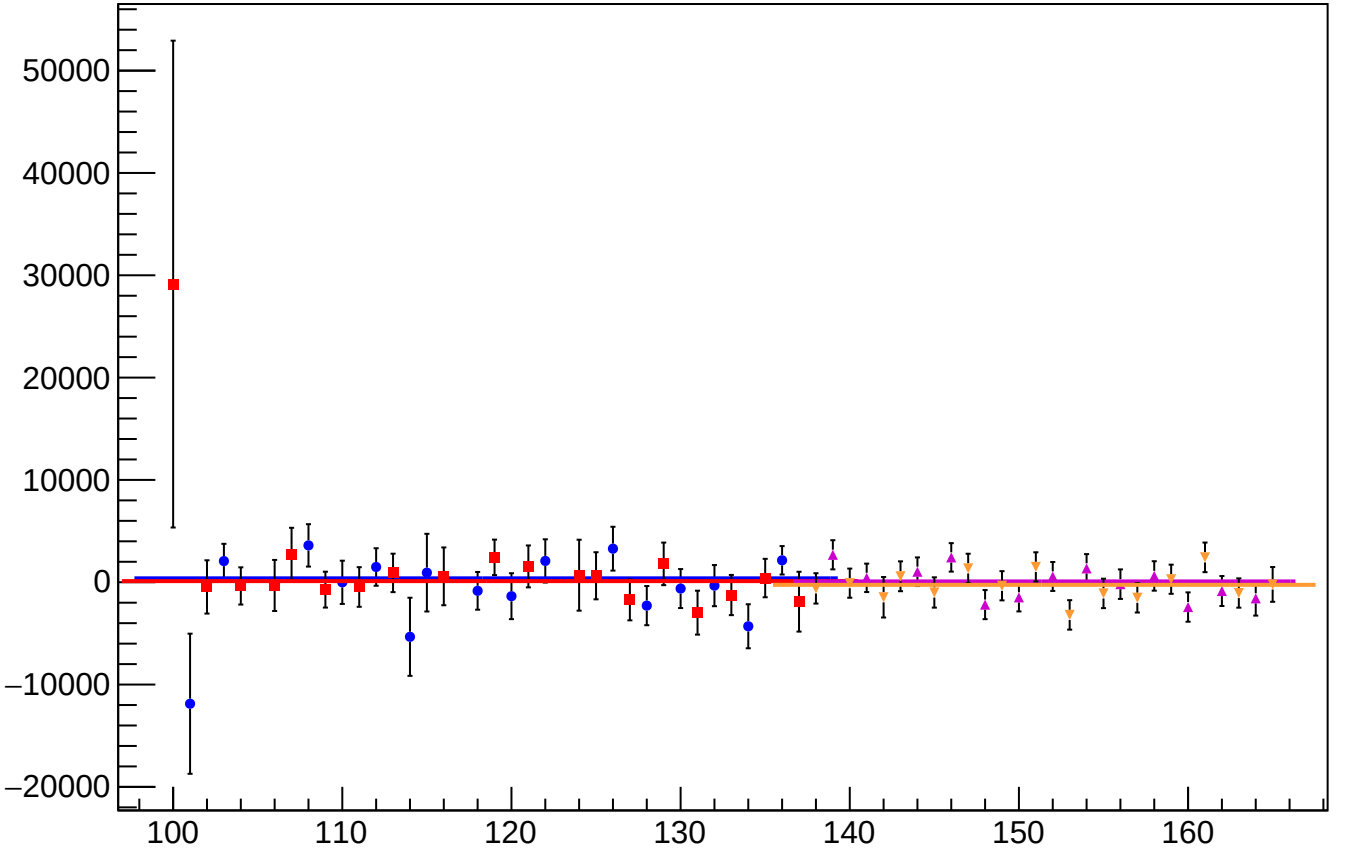
Left In: 627.006+/-0.136 χ^2/NDF:668426.9/12

\+ sign 653.353+/-0.111 χ^2/NDF: 3099325.6/30

All: 672.689+/-0.081 χ^2/NDF: 5784018.8/62

\- sign 695.223+/-0.120 χ^2/NDF: 2618978.9/31

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -252.730+/-382.071 χ^2/NDF:13.0/14

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

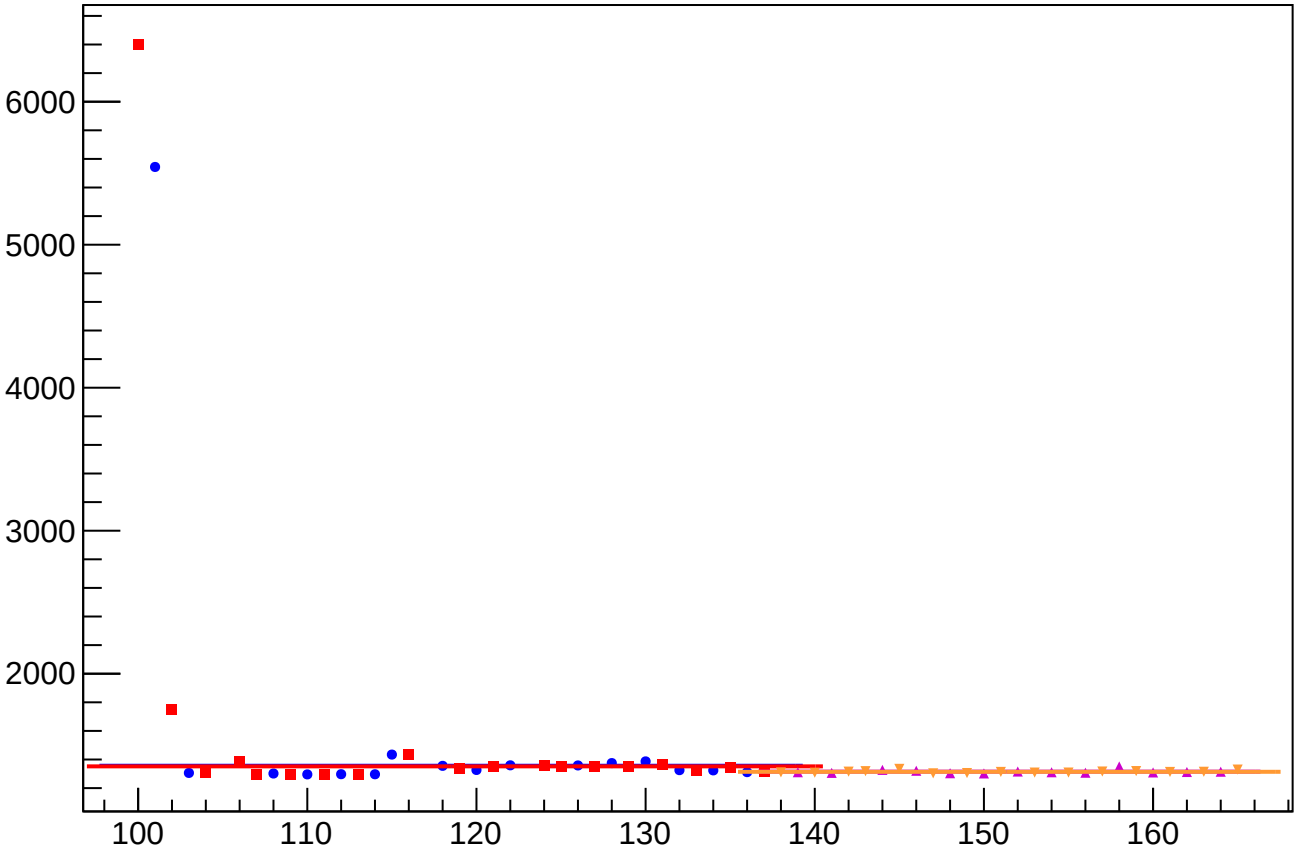
Left In: 80.885+/-397.045 χ^2/NDF:16.1/12

+ sign -29.069+/-307.434 χ^2/NDF: 35.4/30

All: 30.742+/-218.840 χ^2/NDF: 61.6/62

- sign 92.178+/-311.580 χ^2/NDF: 26.1/31

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.071+/-0.270 χ^2/NDF:897.9/14

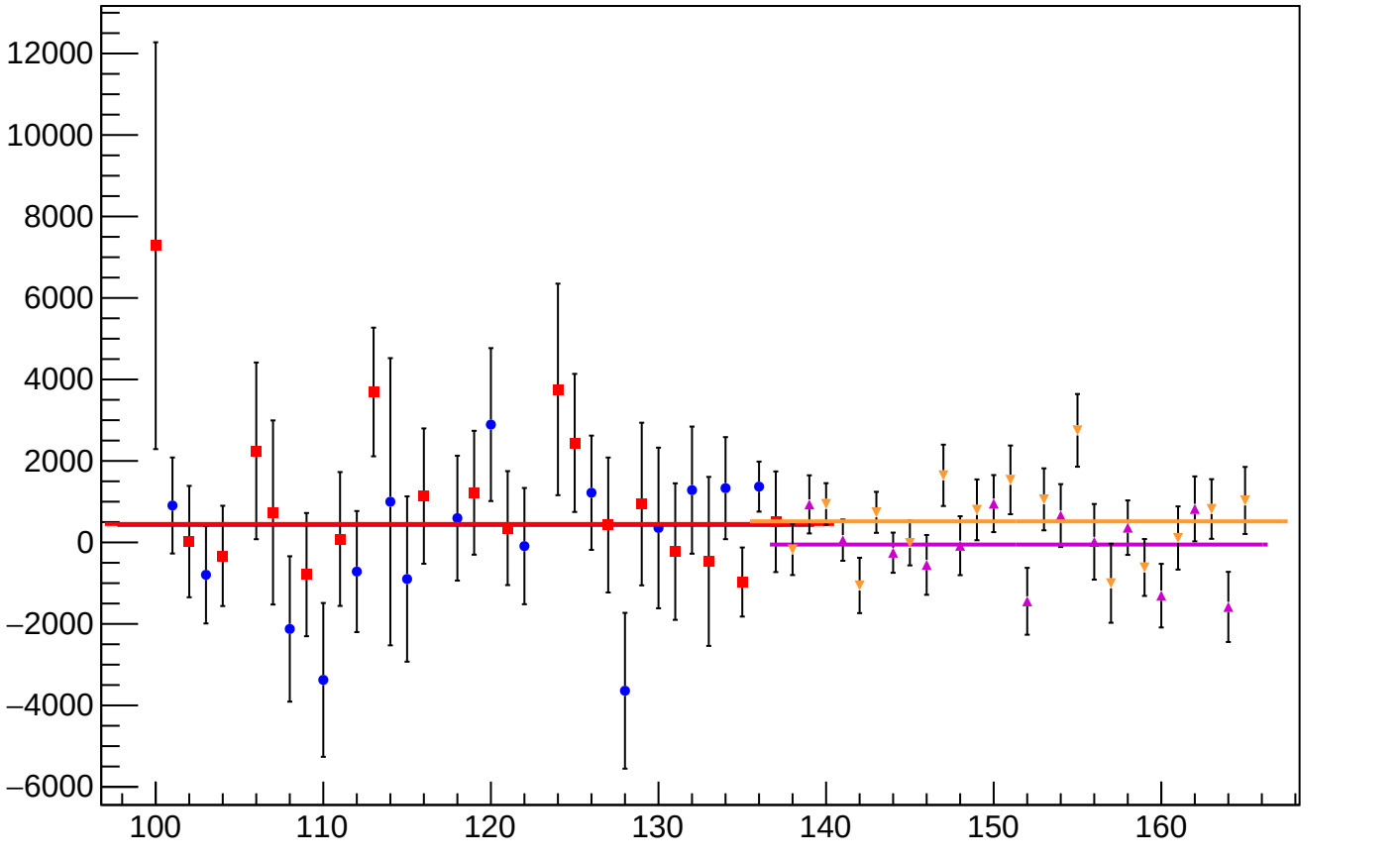
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

+ sign 1328.992+/-0.217 χ^2/NDF: 769816.2/30

All: 1329.143+/-0.155 χ^2/NDF: 925767.0/62

- sign 1329.299+/-0.220 χ^2/NDF: 155949.8/31



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 516.901+/-177.186 χ^2/NDF:24.9/14

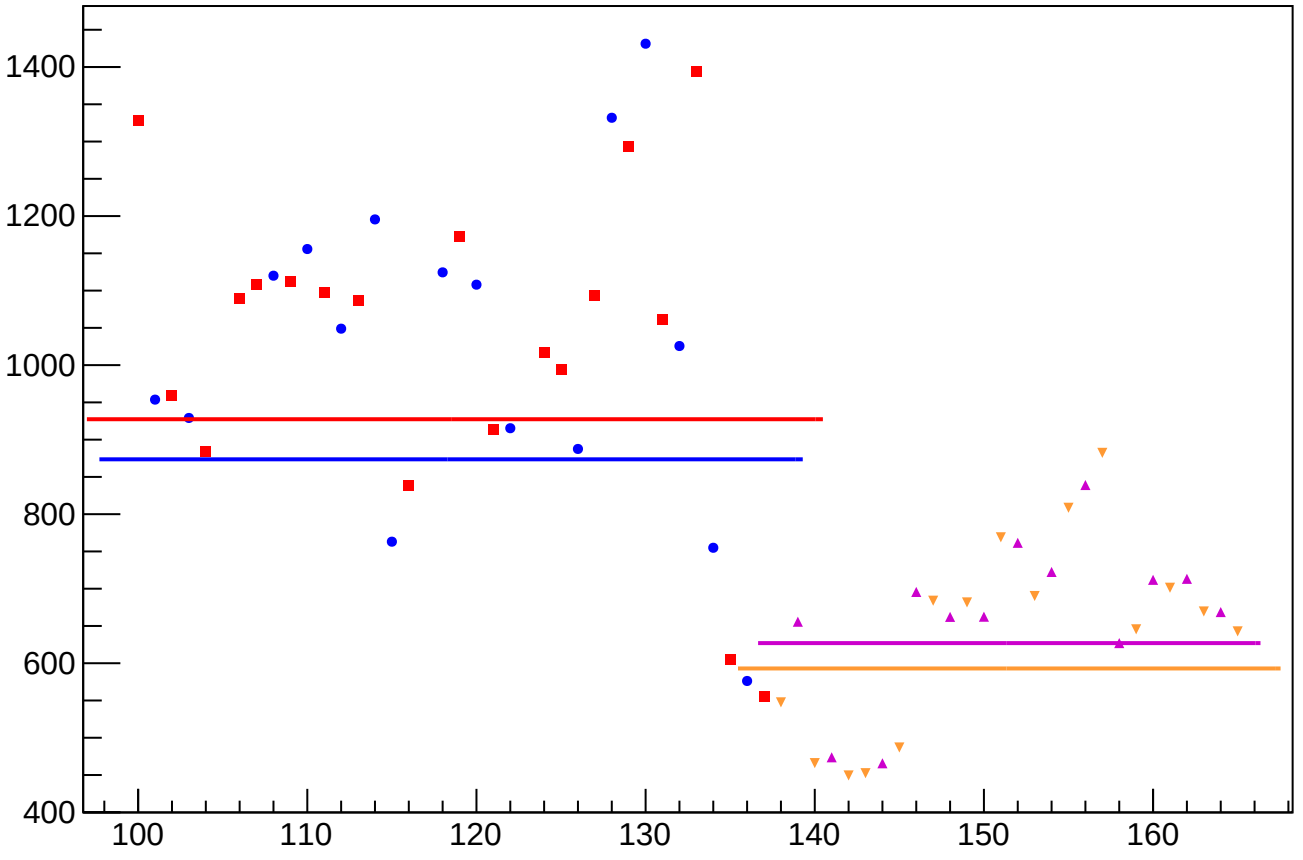
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -52.444+/-192.748 χ^2/NDF:15.7/12

+ sign 498.662+/-156.971 χ^2/NDF: 43.2/30

All: 297.166+/-115.156 χ^2/NDF: 78.8/62

- sign 62.343+/-169.455 χ^2/NDF: 32.0/31



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 592.970+/-0.125 χ^2/NDF:1005405.9/14

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

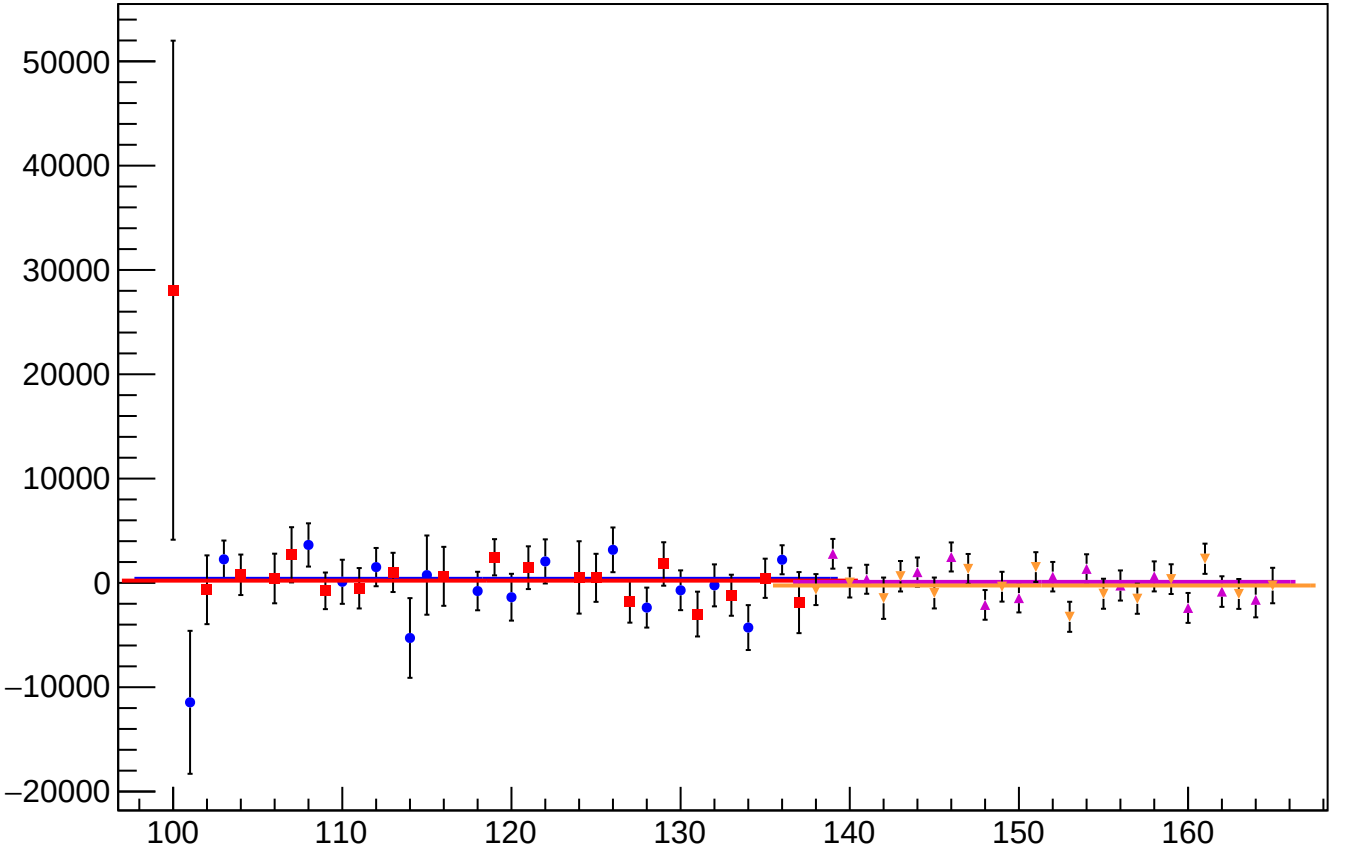
Left In: 627.006+/-0.136 χ^2/NDF:668426.9/12

+ sign 653.353+/-0.111 χ^2/NDF: 3099325.6/30

All: 672.689+/-0.081 χ^2/NDF: 5784018.8/62

- sign 695.223+/-0.120 χ^2/NDF: 2618978.9/31

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.480+/-382.371 χ^2/NDF:12.9/14

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

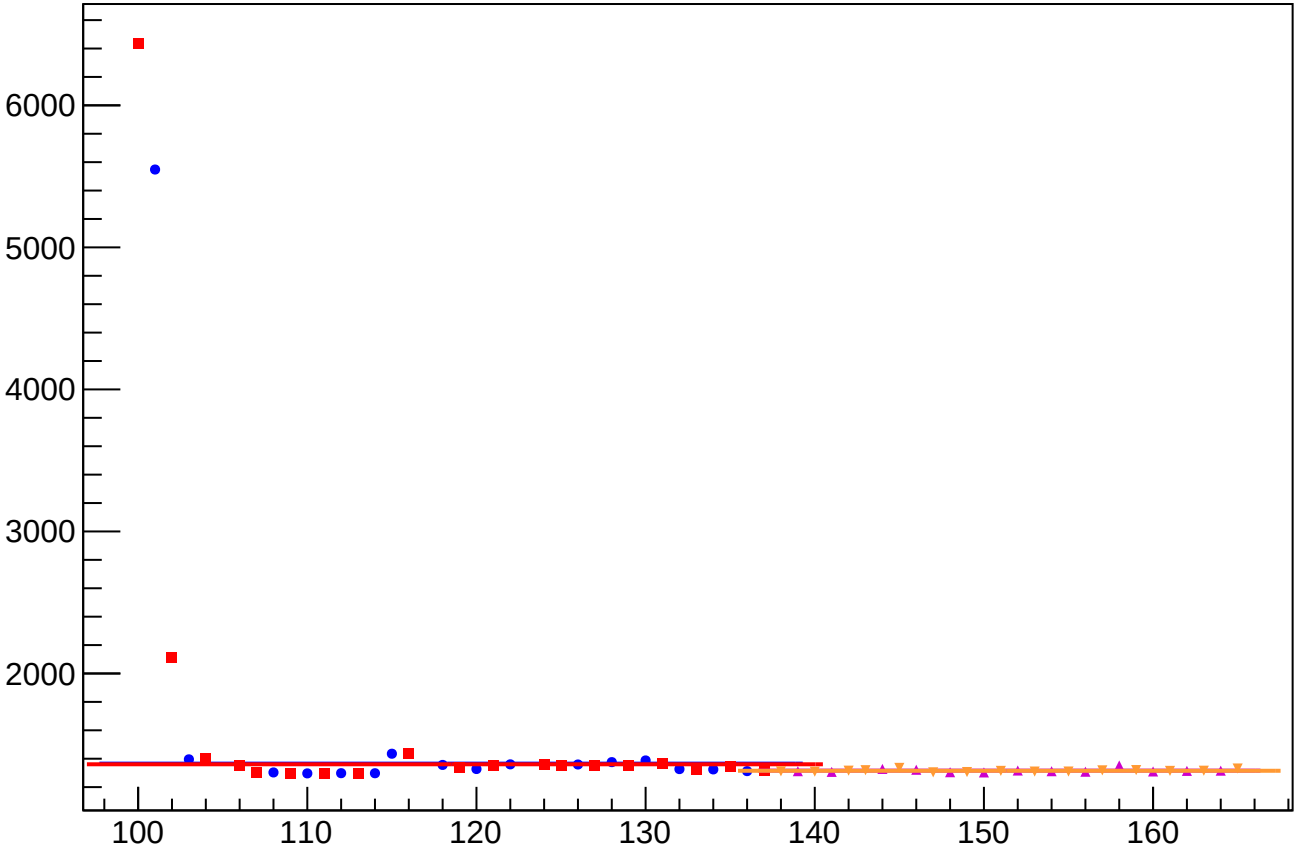
Left In: 95.685+/-397.332 χ^2/NDF:16.2/12

+ sign -25.072+/-308.293 χ^2/NDF: 35.3/30

All: 57.304+/-219.625 χ^2/NDF: 61.7/62

- sign 142.189+/-312.954 χ^2/NDF: 26.3/31

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.103+/-0.270 χ^2/NDF:903.8/14

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

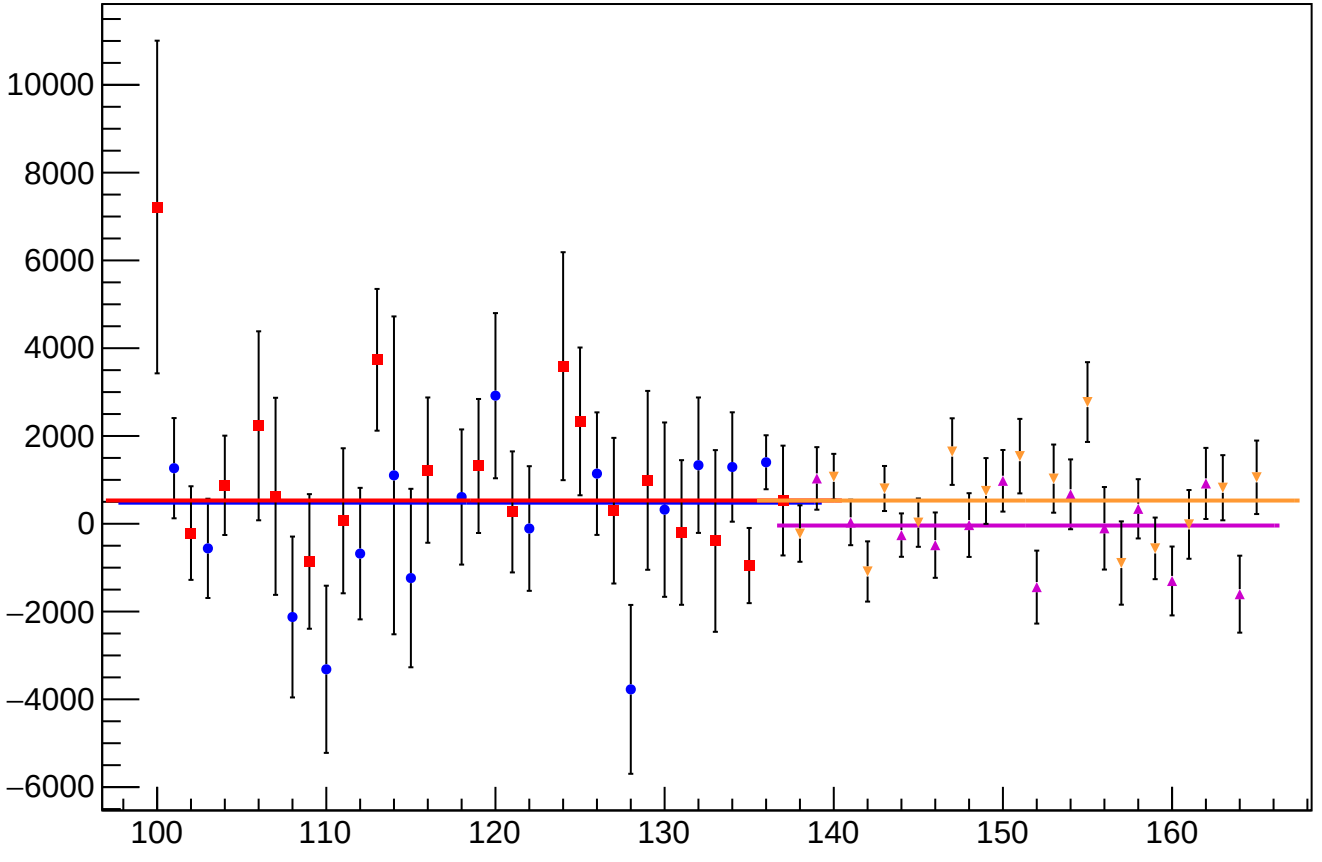
Left In: 1316.034+/-0.281 χ^2/NDF:1949.5/12

+ sign 1332.670+/-0.218 χ^2/NDF: 771910.8/30

All: 1332.841+/-0.155 χ^2/NDF: 988802.0/62

- sign 1333.017+/-0.221 χ^2/NDF: 216890.0/31

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 529.112+/-179.343 χ^2/NDF:25.0/14

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

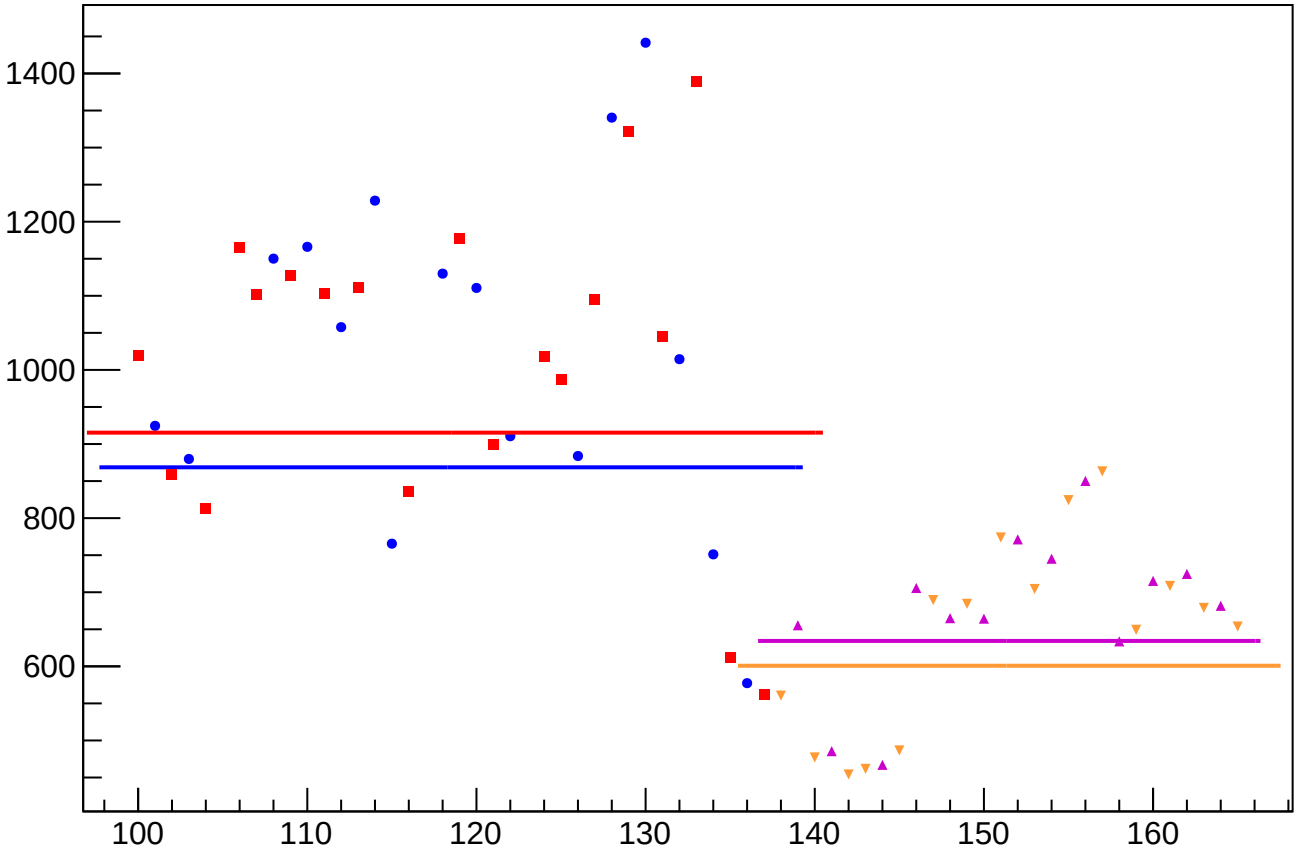
Left In: -40.175+/-194.948 χ^2/NDF:16.1/12

+ sign 518.338+/-158.270 χ^2/NDF: 43.6/30

All: 322.659+/-115.793 χ^2/NDF: 80.7/62

- sign 97.281+/-169.856 χ^2/NDF: 33.8/31

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 600.819+/-0.127 χ^2/NDF:966607.8/14

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

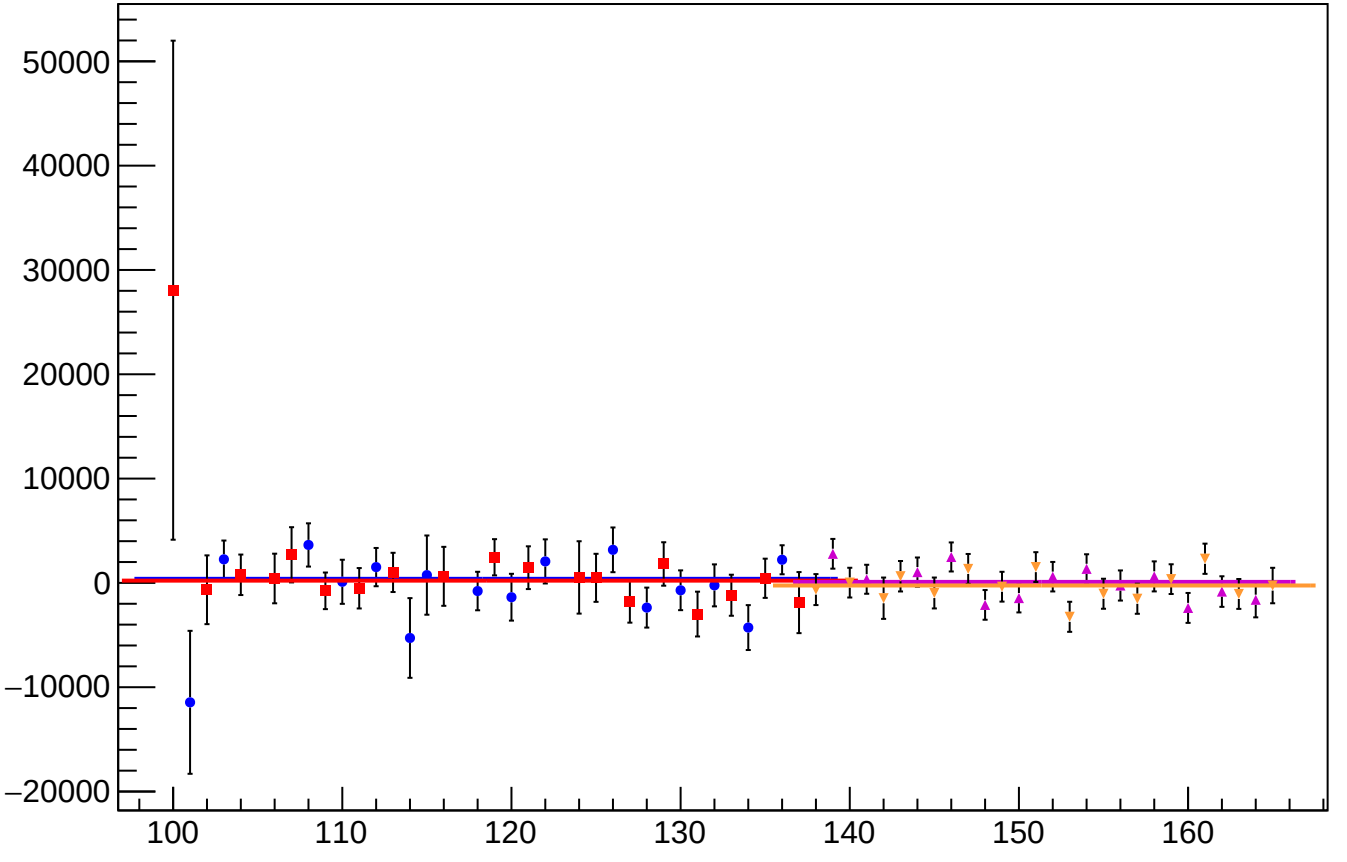
Left In: 634.308+/-0.138 χ^2/NDF:671559.6/12

+ sign 660.044+/-0.112 χ^2/NDF: 2974011.5/30

All: 679.542+/-0.082 χ^2/NDF: 5570977.9/62

- sign 702.000+/-0.120 χ^2/NDF: 2531650.2/31

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.482+/-382.371 χ^2/NDF:12.9/14

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

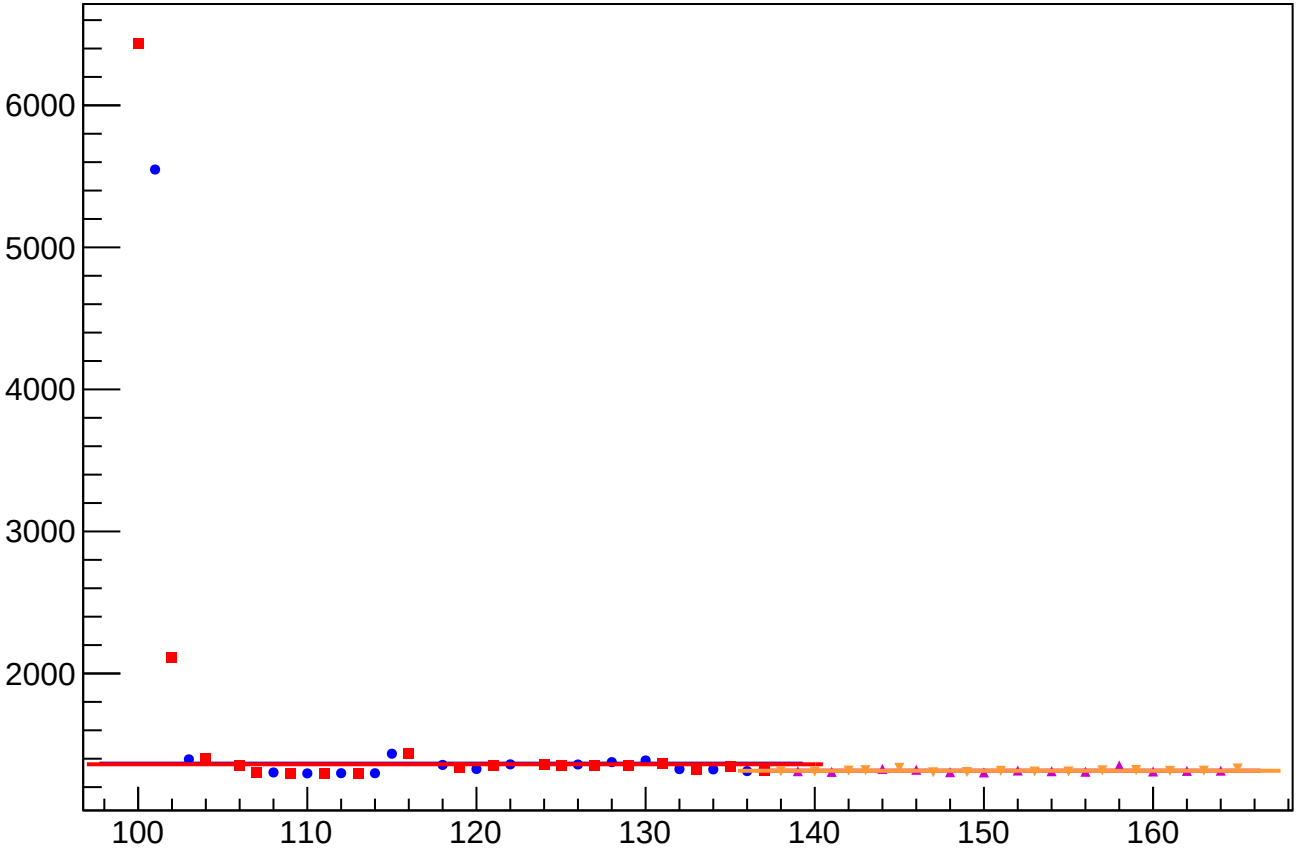
Left In: 95.684+/-397.332 χ^2/NDF:16.2/12

+ sign -25.073+/-308.293 χ^2/NDF: 35.3/30

All: 57.303+/-219.625 χ^2/NDF: 61.7/62

- sign 142.188+/-312.954 χ^2/NDF: 26.3/31

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.103+/-0.270 χ^2/NDF:903.8/14

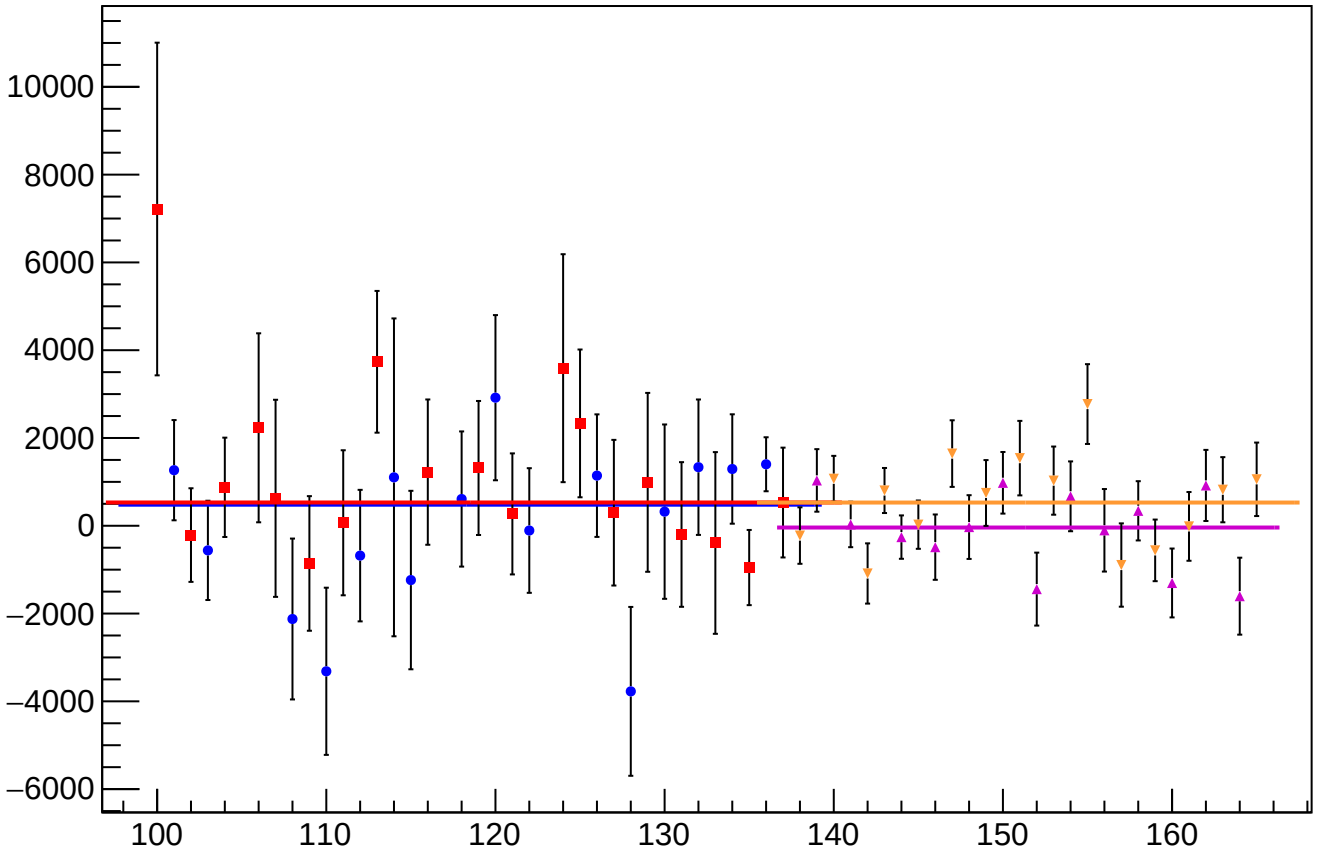
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.034+/-0.281 χ^2/NDF:1949.5/12

+ sign 1332.670+/-0.218 χ^2/NDF: 771910.8/30

All: 1332.841+/-0.155 χ^2/NDF: 988801.9/62

- sign 1333.017+/-0.221 χ^2/NDF: 216889.9/31



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 529.112+/-179.343 χ^2/NDF:25.0/14

Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

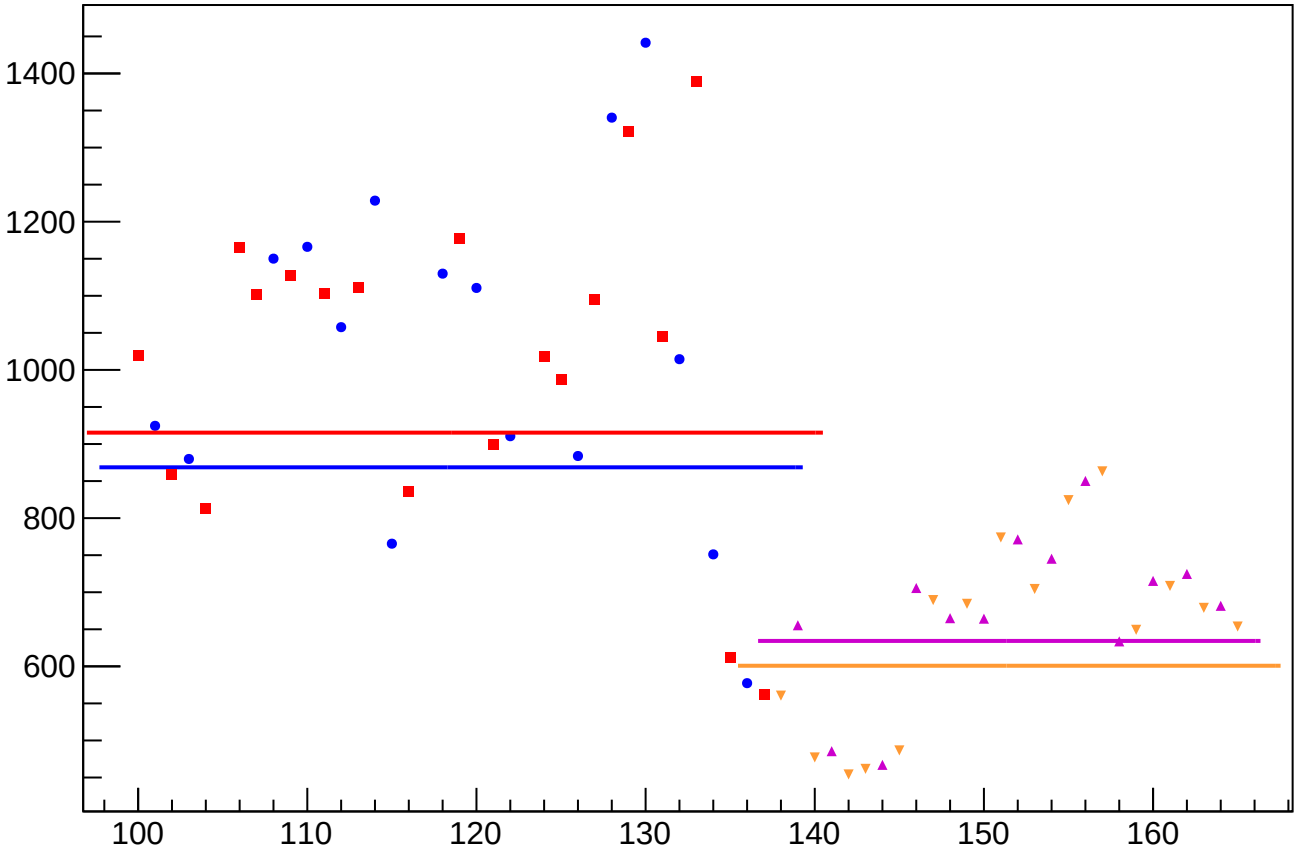
Left In: -40.175+/-194.948 χ^2/NDF:16.1/12

\+ sign 518.337+/-158.270 χ^2/NDF: 43.6/30

All: 322.659+/-115.793 χ^2/NDF: 80.7/62

\- sign 97.281+/-169.857 χ^2/NDF: 33.8/31

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 600.819+/-0.127 χ^2/NDF:966622.3/14

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

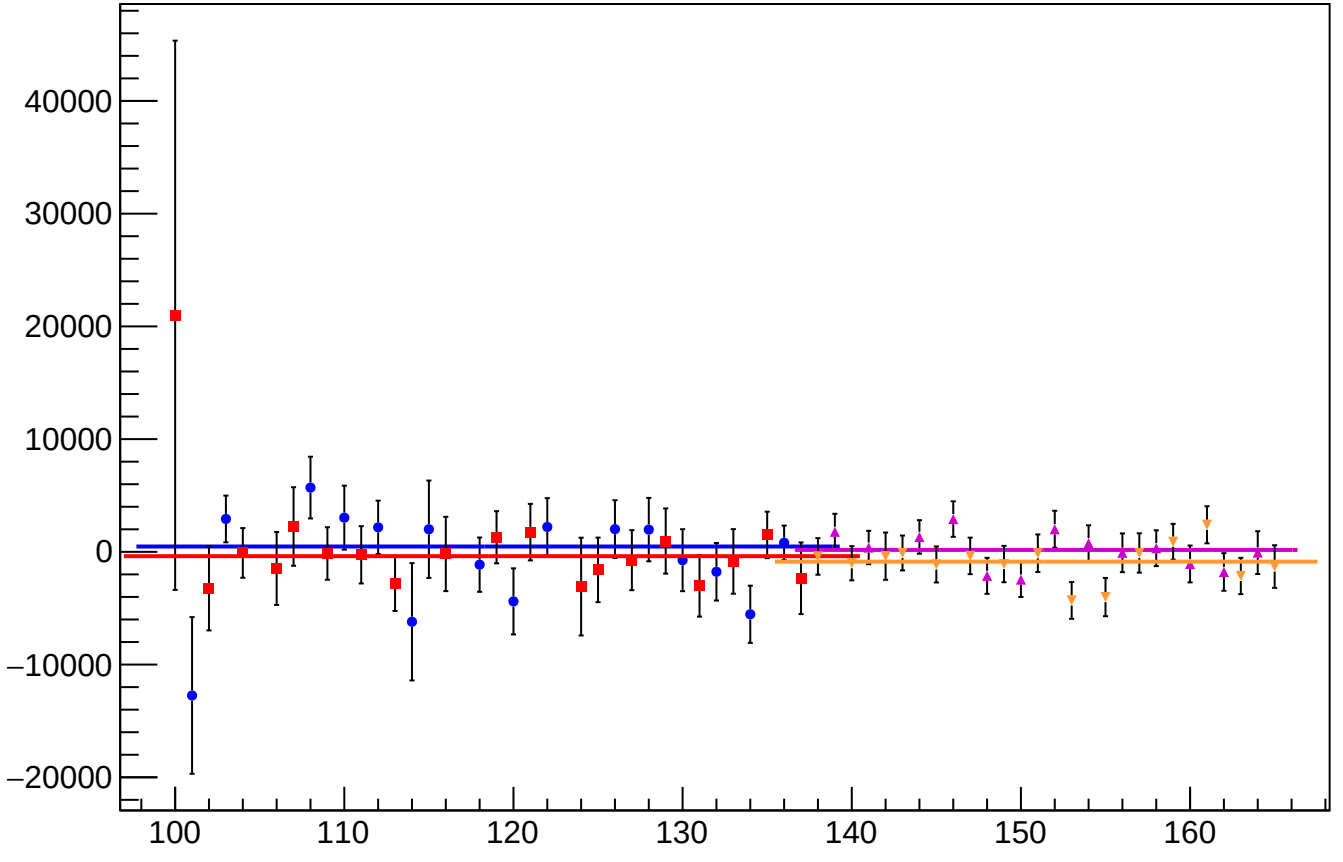
Left In: 634.309+/-0.138 χ^2/NDF:671566.7/12

+ sign 660.044+/-0.112 χ^2/NDF: 2974010.0/30

All: 679.543+/-0.082 χ^2/NDF: 5570967.7/62

- sign 702.001+/-0.120 χ^2/NDF: 2531638.9/31

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -870.021+/-427.975 χ^2/NDF:14.7/14

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

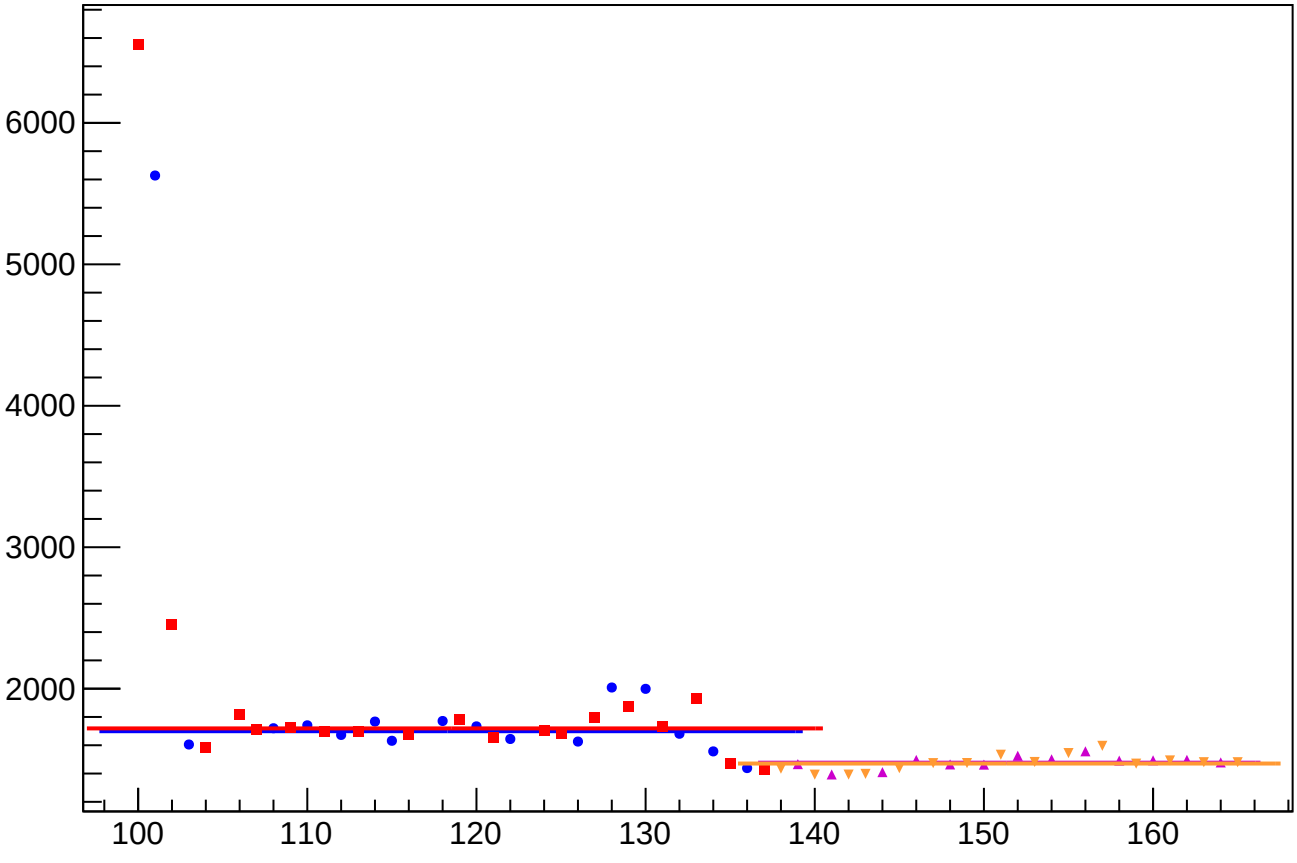
Left In: 171.915+/-446.087 χ^2/NDF:13.0/12

+ sign -463.058+/-357.325 χ^2/NDF: 40.4/30

All: -241.850+/-255.792 χ^2/NDF: 61.9/62

- sign -9.349+/-366.333 χ^2/NDF: 20.8/31

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1470.771+/-0.303 χ^2/NDF:31869.6/14

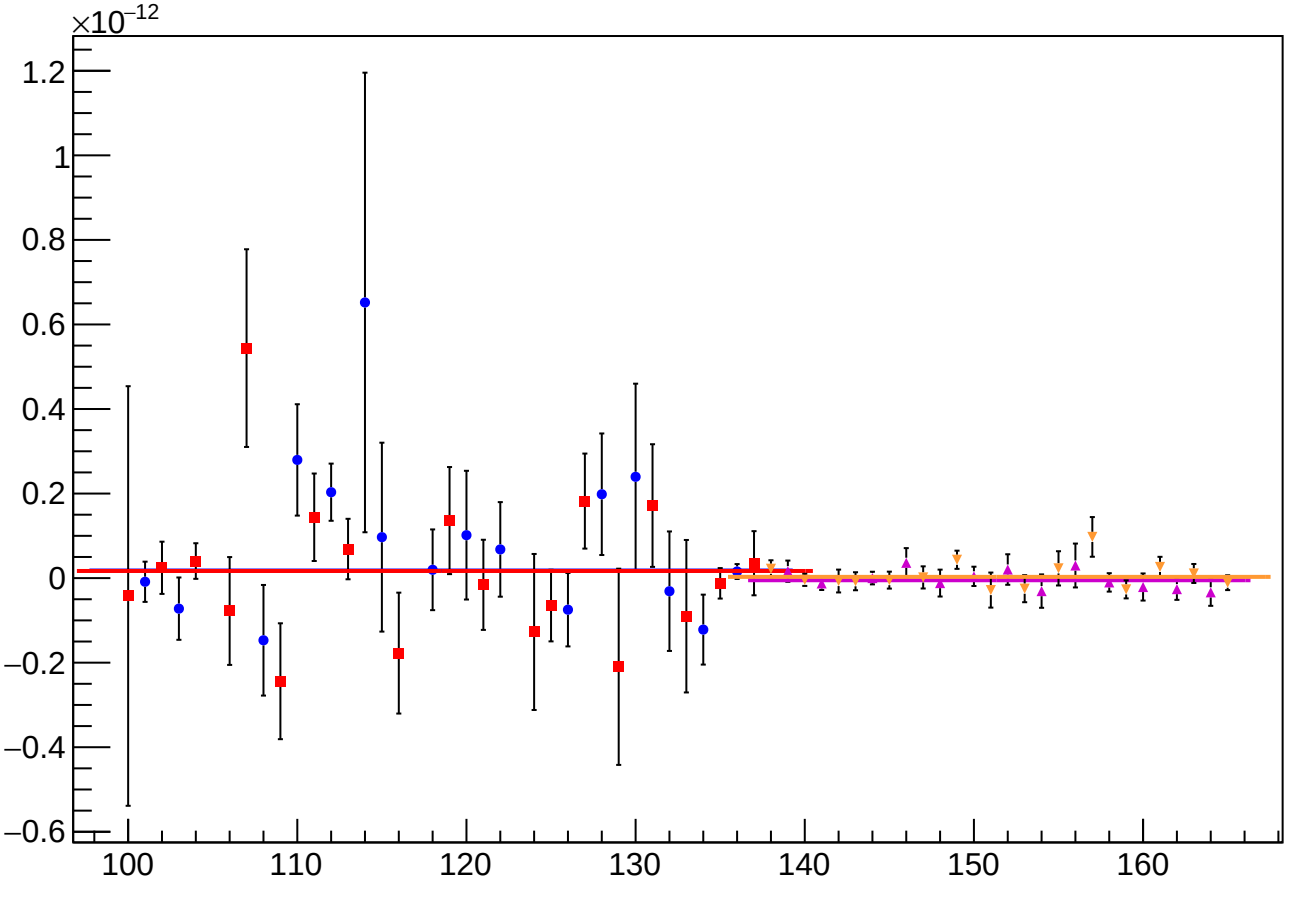
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1476.821+/-0.315 χ^2/NDF:18277.0/12

+ sign 1540.003+/-0.253 χ^2/NDF: 966750.3/30

All: 1547.661+/-0.181 χ^2/NDF: 1412762.3/62

- sign 1555.709+/-0.259 χ^2/NDF: 444128.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/14

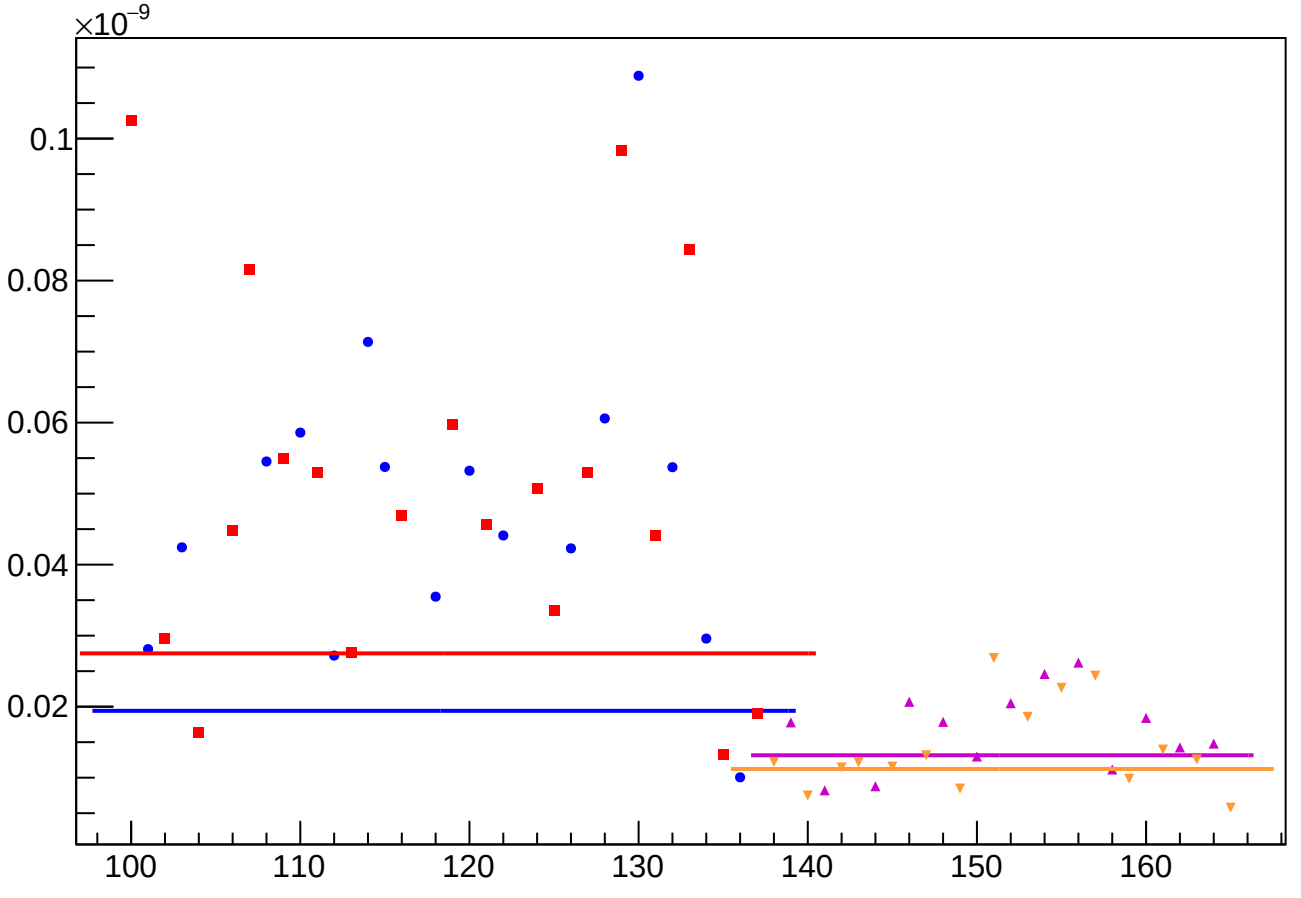
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/30

All: 0.000+/-0.000 χ^2/NDF: 68.1/62

- sign -0.000+/-0.000 χ^2/NDF: 28.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1128804.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

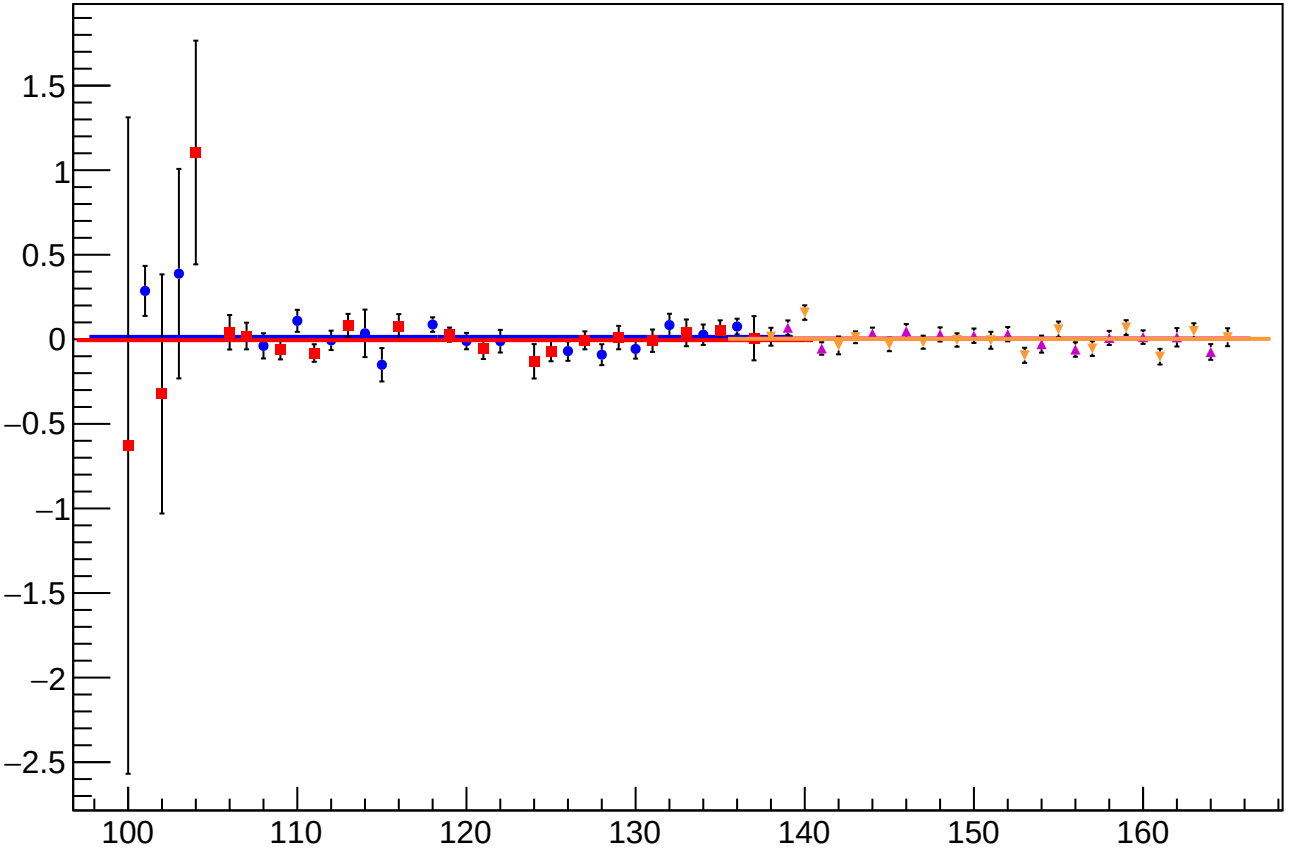
Left In: 0.000+/-0.000 χ^2/NDF:1035128.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3958814.3/30

All: 0.000+/-0.000 χ^2/NDF: 7802645.6/62

- sign 0.000+/-0.000 χ^2/NDF: 3684436.1/31

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: 0.003+/-0.011 χ^2/NDF:31.1/14

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

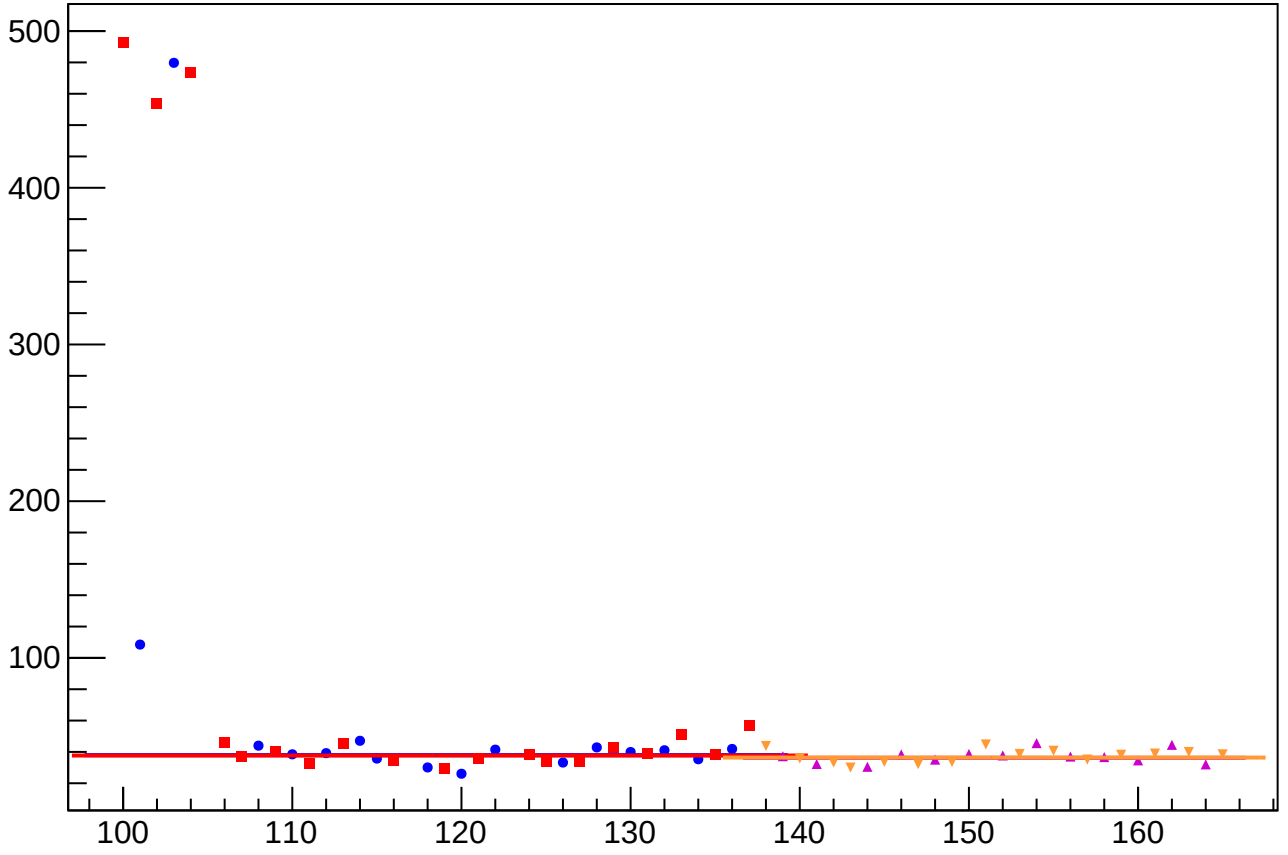
Left In: 0.005+/-0.012 χ^2/NDF:13.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/30

All: 0.004+/-0.007 χ^2/NDF: 81.9/62

- sign 0.001+/-0.009 χ^2/NDF: 28.3/31

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.391+/-0.008 χ^2/NDF:260504.9/14

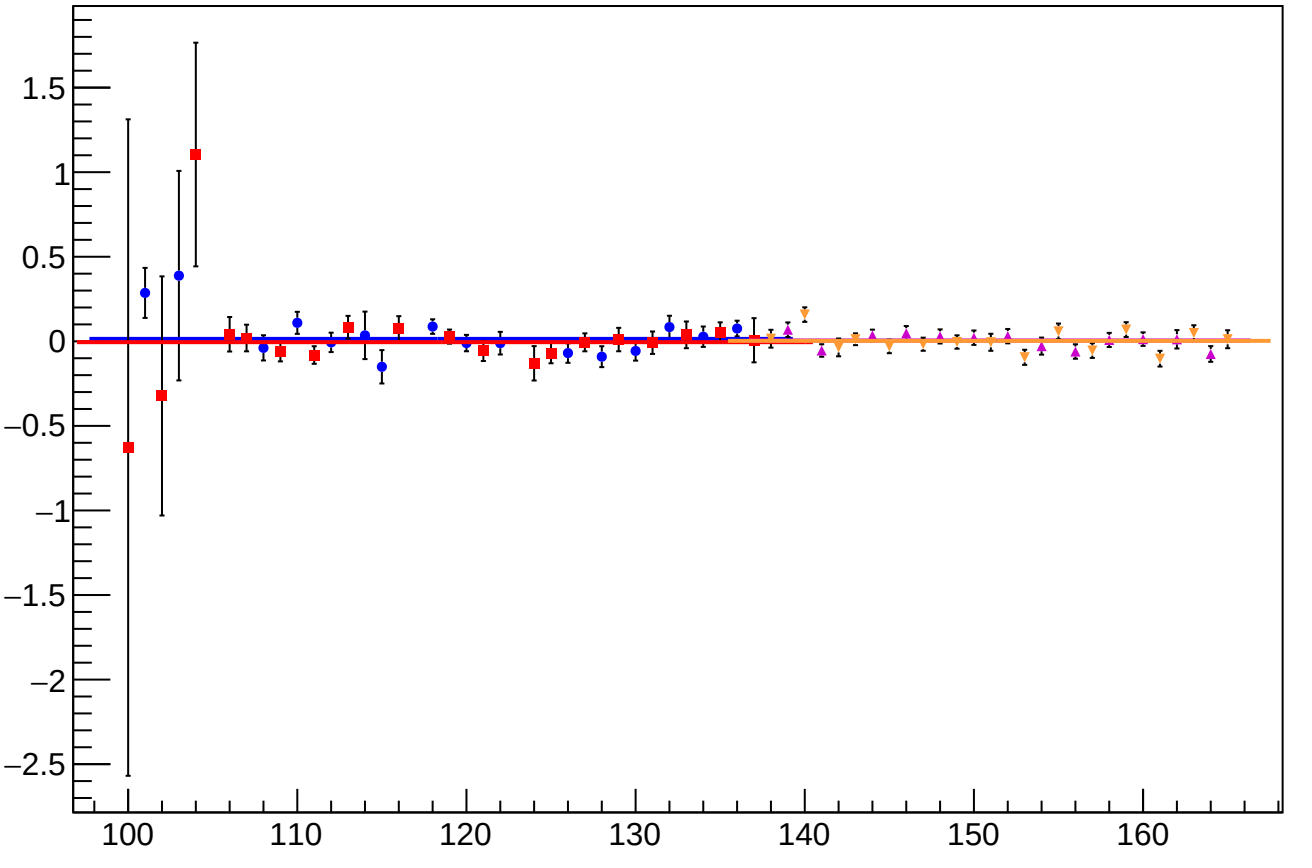
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.217+/-0.008 χ^2/NDF:230191.5/12

+ sign 36.916+/-0.007 χ^2/NDF: 2012718.7/30

All: 36.826+/-0.005 χ^2/NDF: 4199254.1/62

- sign 36.731+/-0.007 χ^2/NDF: 2186146.4/31



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.011 χ^2/NDF:31.1/14

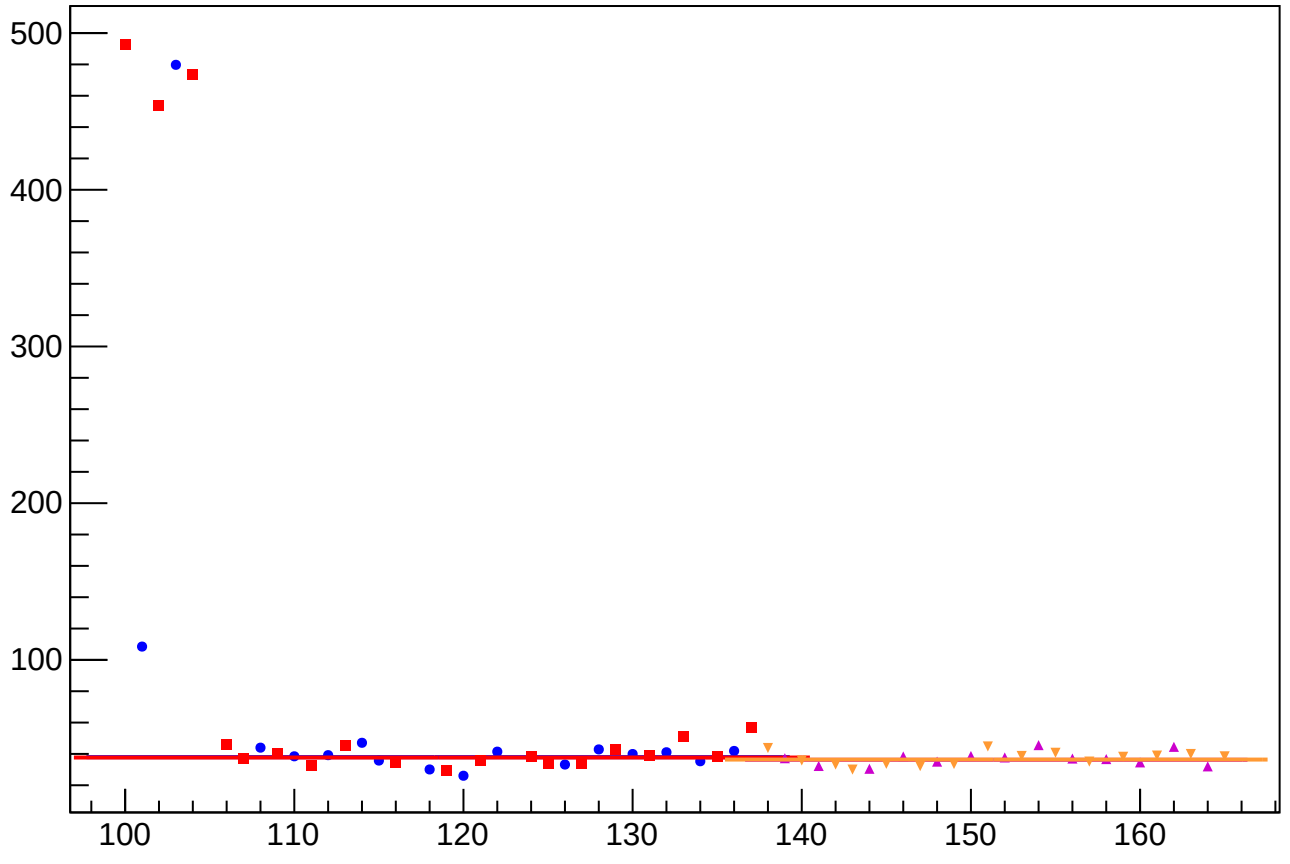
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.005+/-0.012 χ^2/NDF:13.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/30

All: 0.004+/-0.007 χ^2/NDF: 81.9/62

- sign 0.001+/-0.009 χ^2/NDF: 28.3/31



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.391+/-0.008 χ^2/NDF:260504.9/14

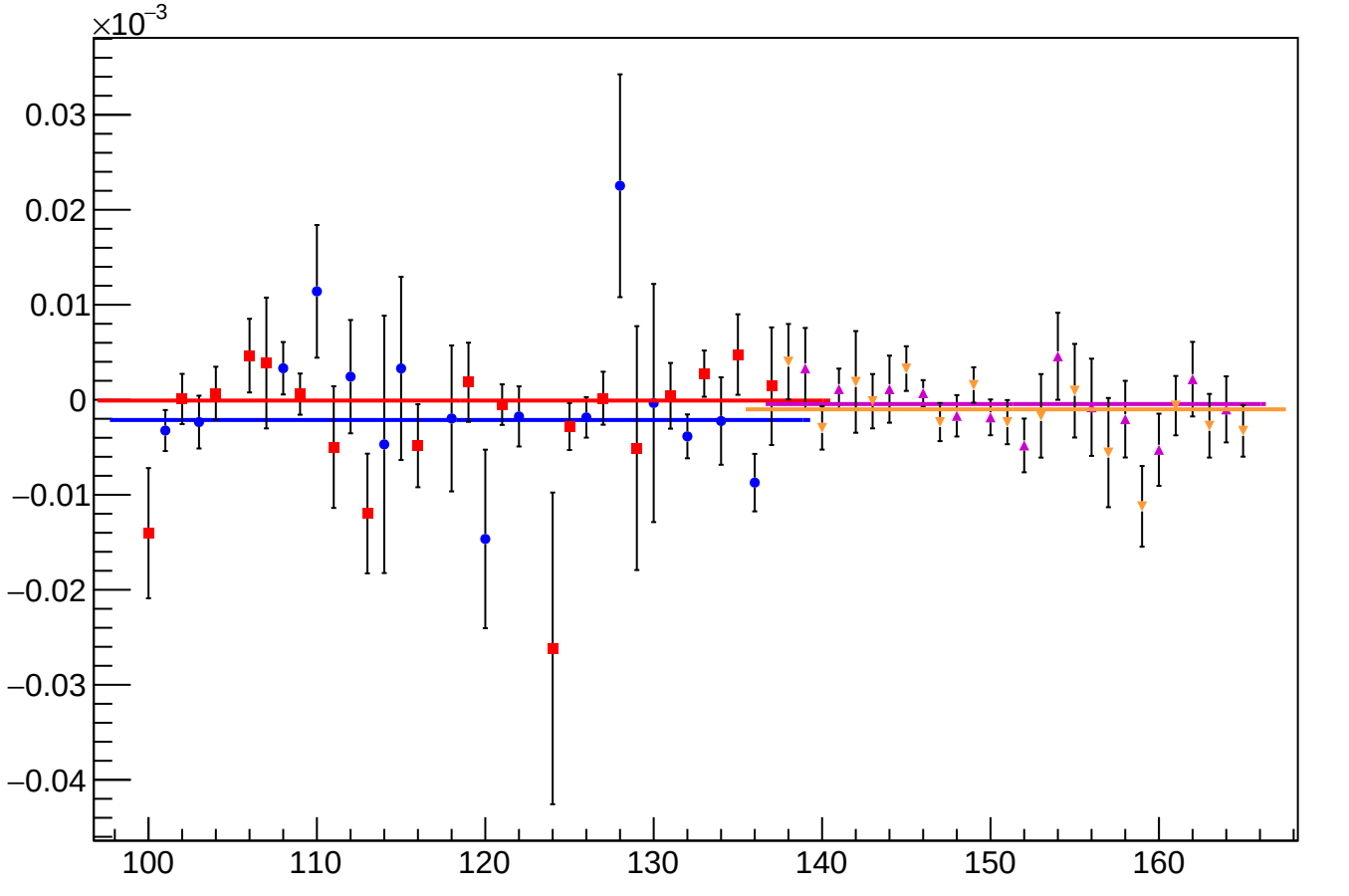
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.217+/-0.008 χ^2/NDF:230191.5/12

+ sign 36.916+/-0.007 χ^2/NDF: 2012718.7/30

All: 36.826+/-0.005 χ^2/NDF: 4199254.1/62

- sign 36.731+/-0.007 χ^2/NDF: 2186146.4/31



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/14

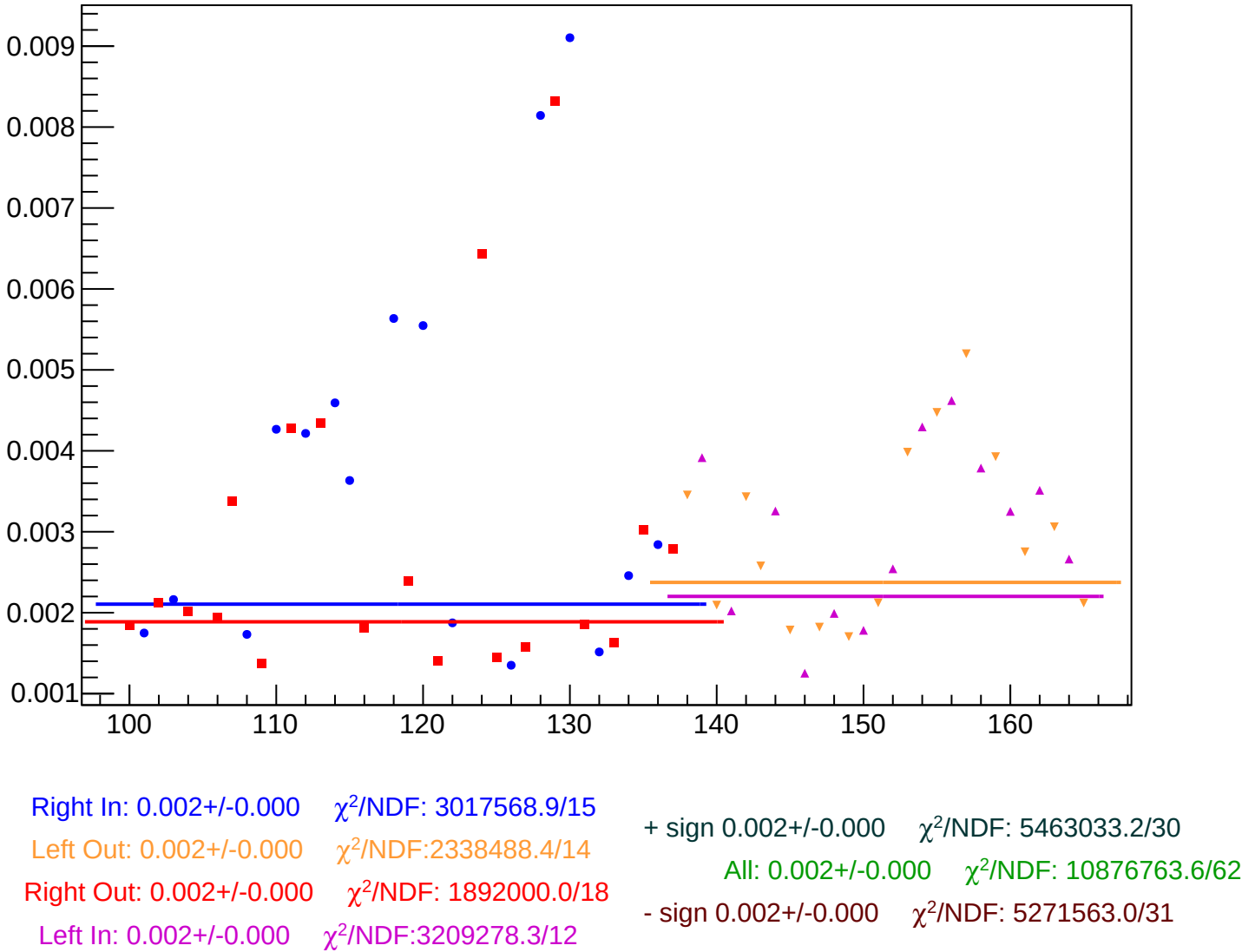
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

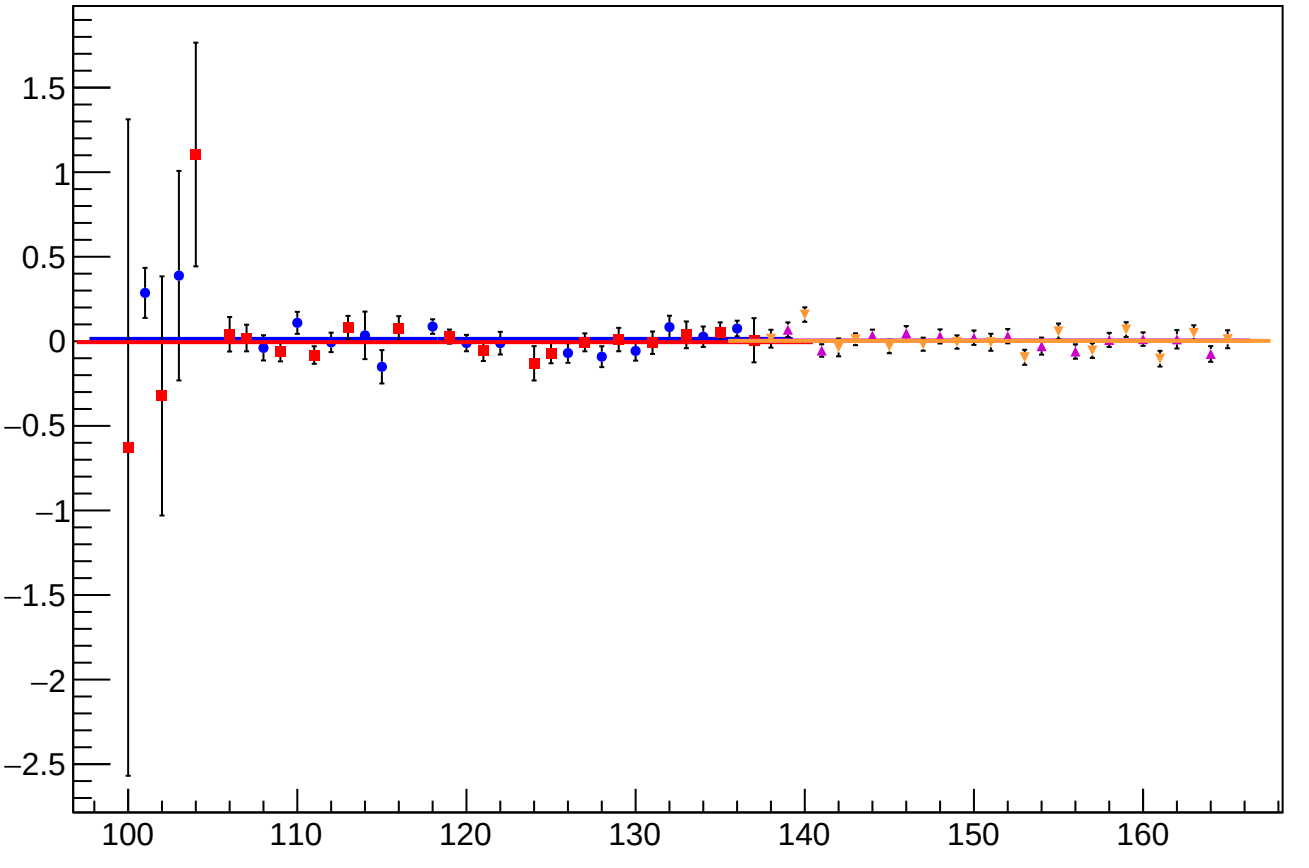
Left In: -0.000+/-0.000 χ^2/NDF:8.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/30

All: -0.000+/-0.000 χ^2/NDF: 67.3/62

- sign -0.000+/-0.000 χ^2/NDF: 27.4/31


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2338488.4/14
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:3209278.3/12
+ sign 0.002+/-0.000 χ²/NDF: 5463033.2/30
All: 0.002+/-0.000 χ²/NDF: 10876763.6/62
- sign 0.002+/-0.000 χ²/NDF: 5271563.0/31



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.011 χ^2/NDF:31.1/14

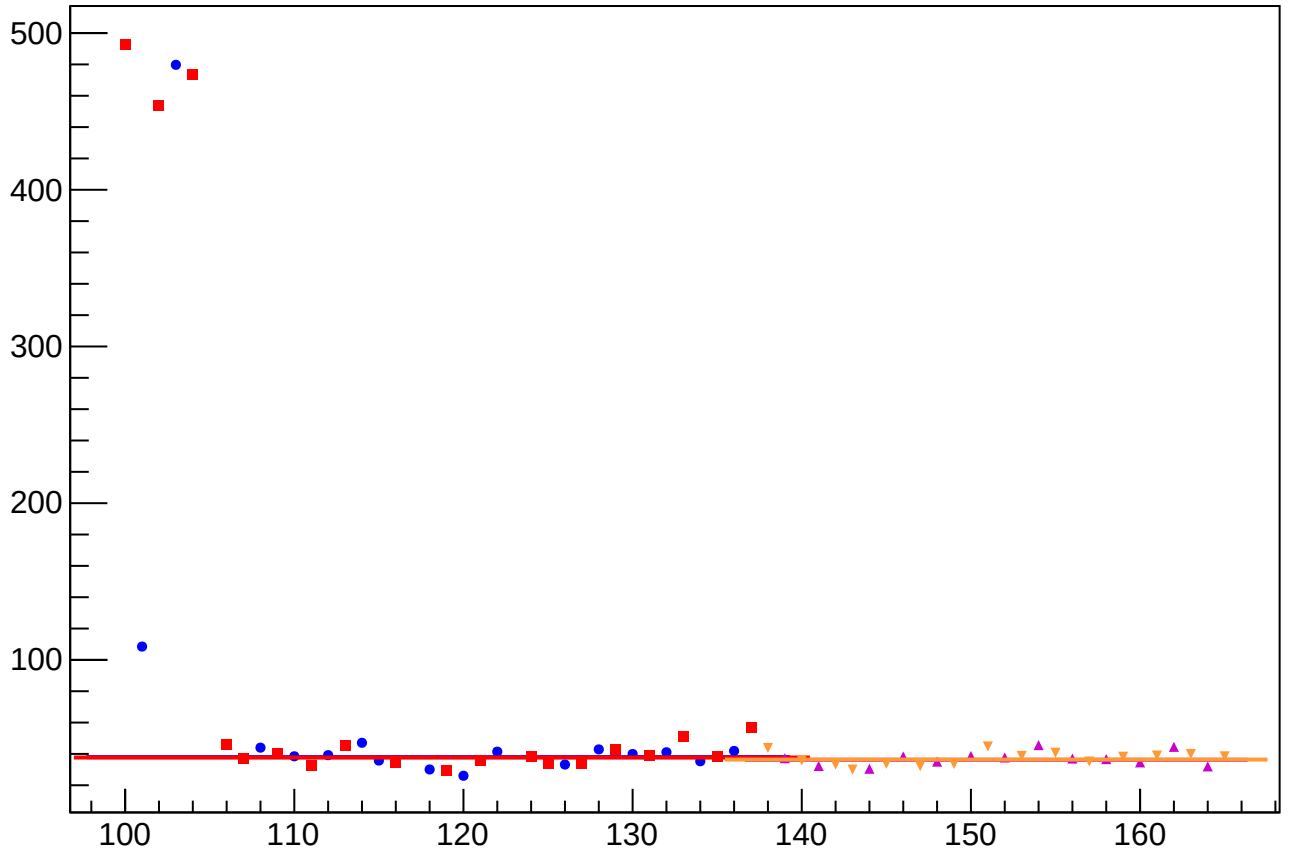
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.005+/-0.012 χ^2/NDF:13.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/30

All: 0.004+/-0.007 χ^2/NDF: 81.9/62

- sign 0.001+/-0.009 χ^2/NDF: 28.3/31



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.391+/-0.008 χ^2/NDF:260557.8/14

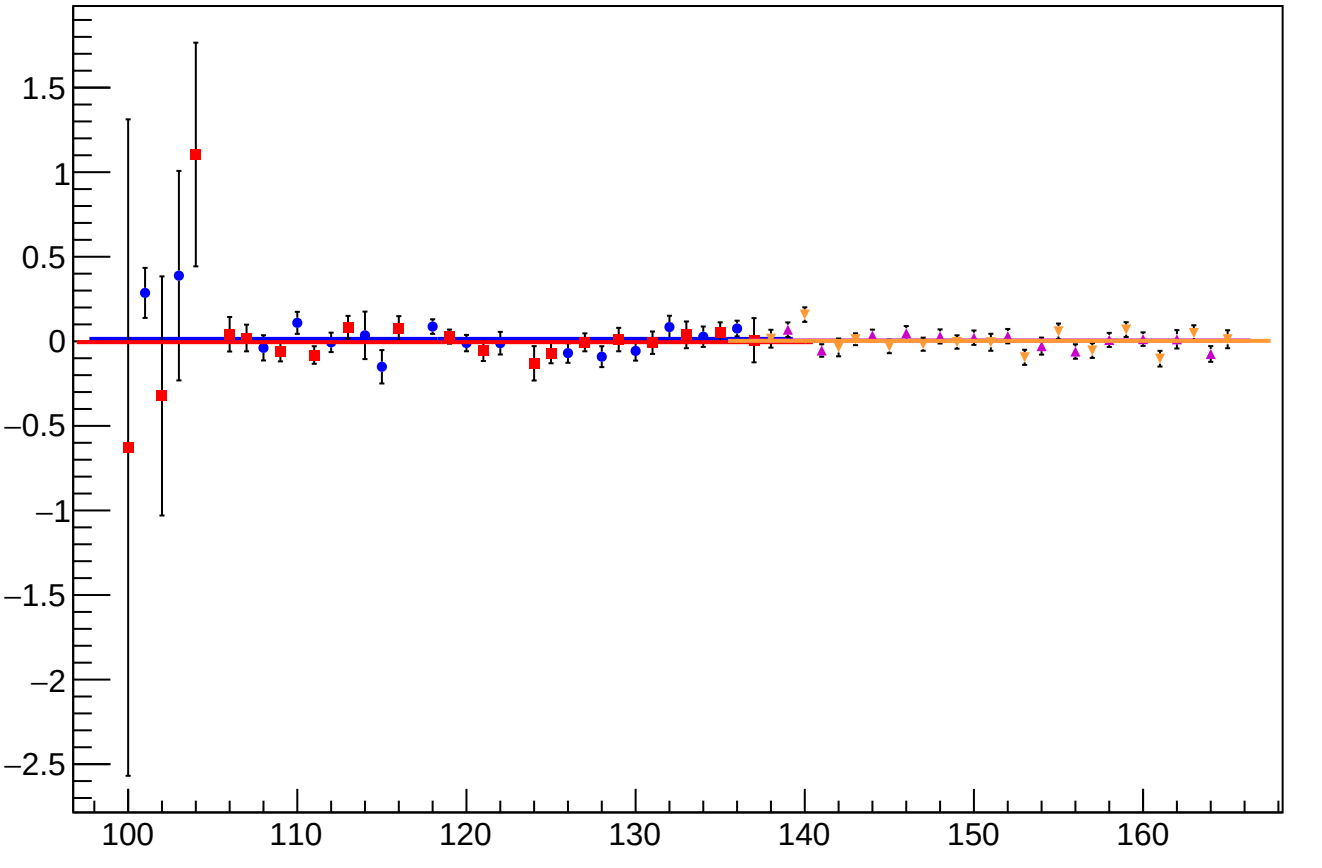
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.217+/-0.008 χ^2/NDF:230223.4/12

\+ sign 36.916+/-0.007 χ^2/NDF: 2012776.4/30

All: 36.825+/-0.005 χ^2/NDF: 4199410.5/62

\- sign 36.731+/-0.007 χ^2/NDF: 2186243.2/31



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.011 χ^2/NDF:31.1/14

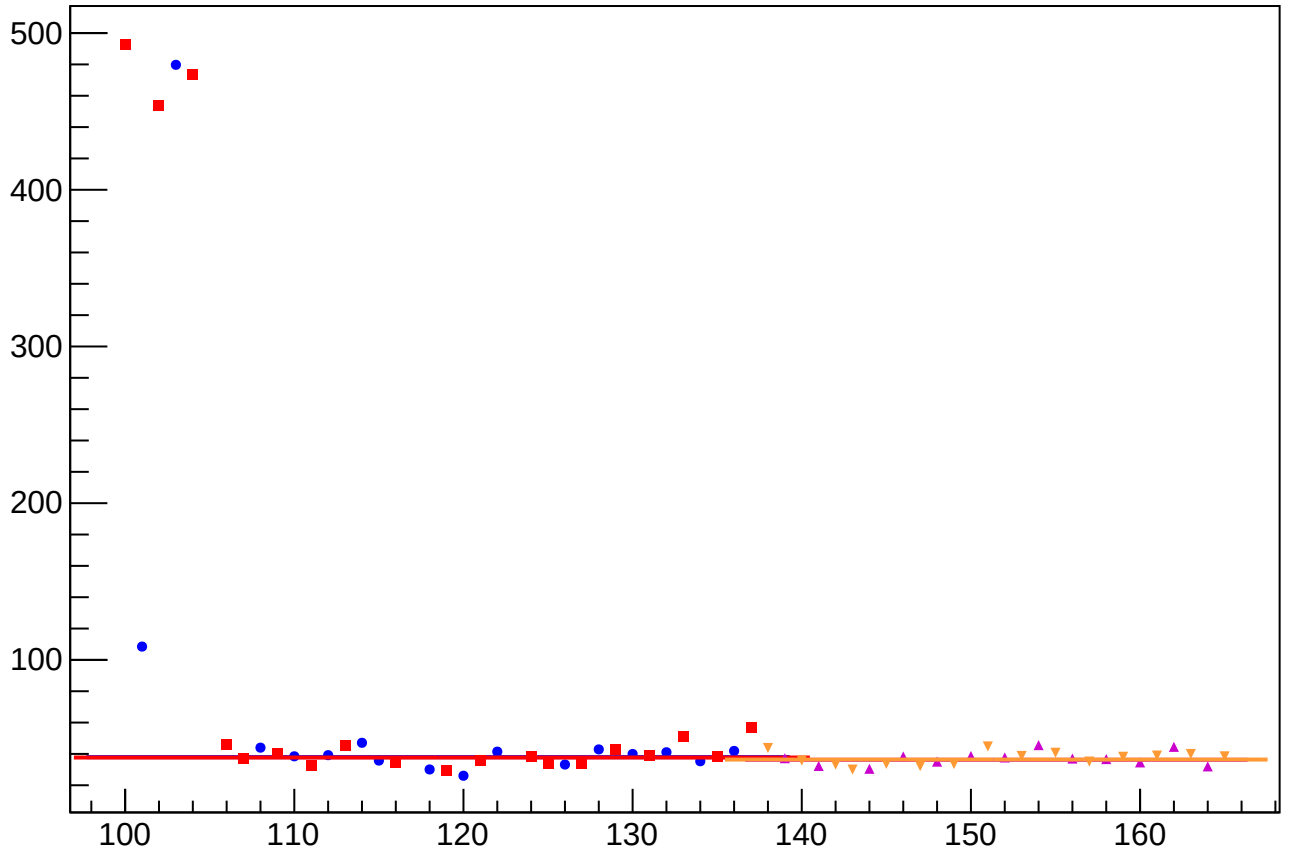
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.005+/-0.012 χ^2/NDF:13.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/30

All: 0.004+/-0.007 χ^2/NDF: 81.9/62

- sign 0.001+/-0.009 χ^2/NDF: 28.3/31



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.391+/-0.008 χ^2/NDF:260557.8/14

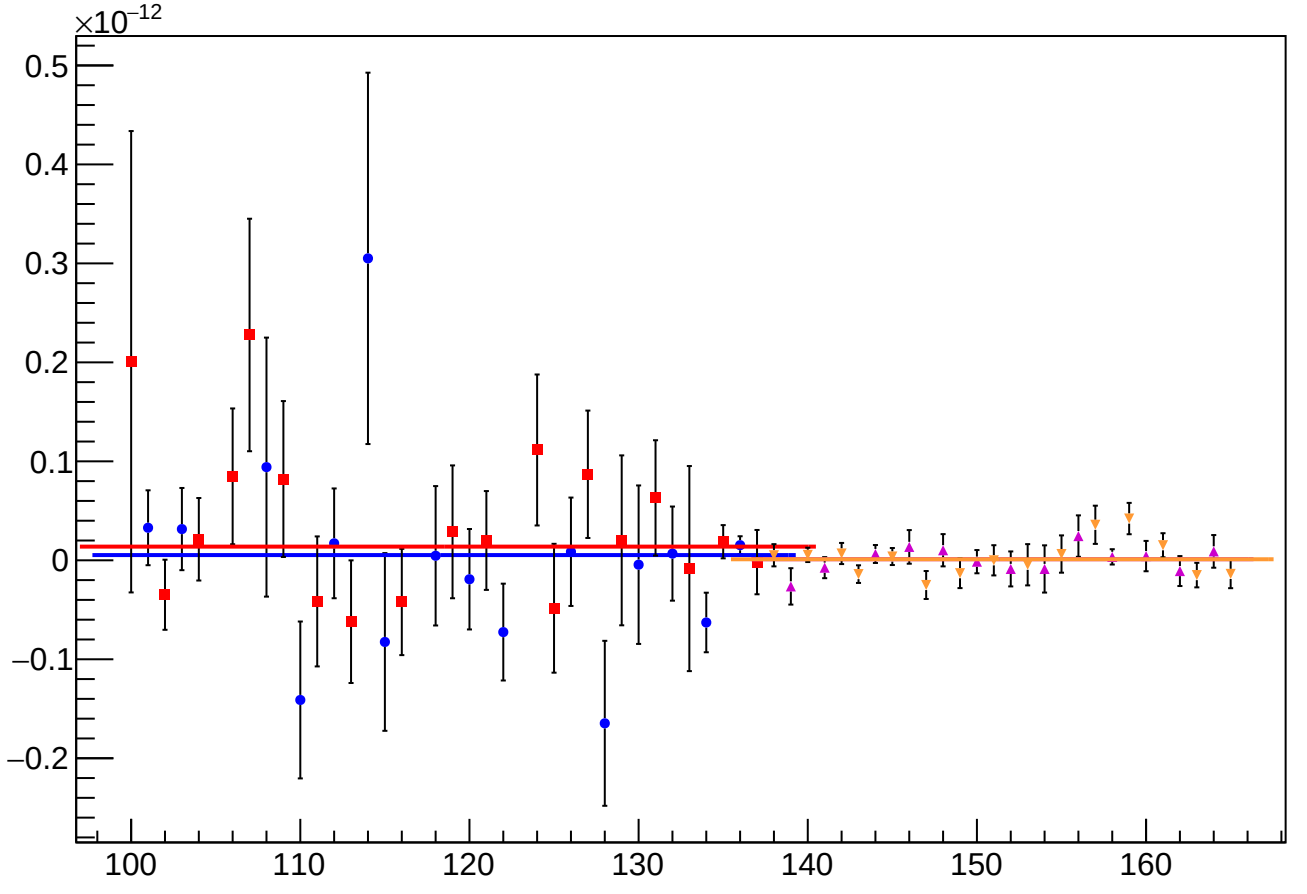
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.217+/-0.008 χ^2/NDF:230223.4/12

+ sign 36.916+/-0.007 χ^2/NDF: 2012776.4/30

All: 36.825+/-0.005 χ^2/NDF: 4199410.5/62

- sign 36.731+/-0.007 χ^2/NDF: 2186243.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.2/14

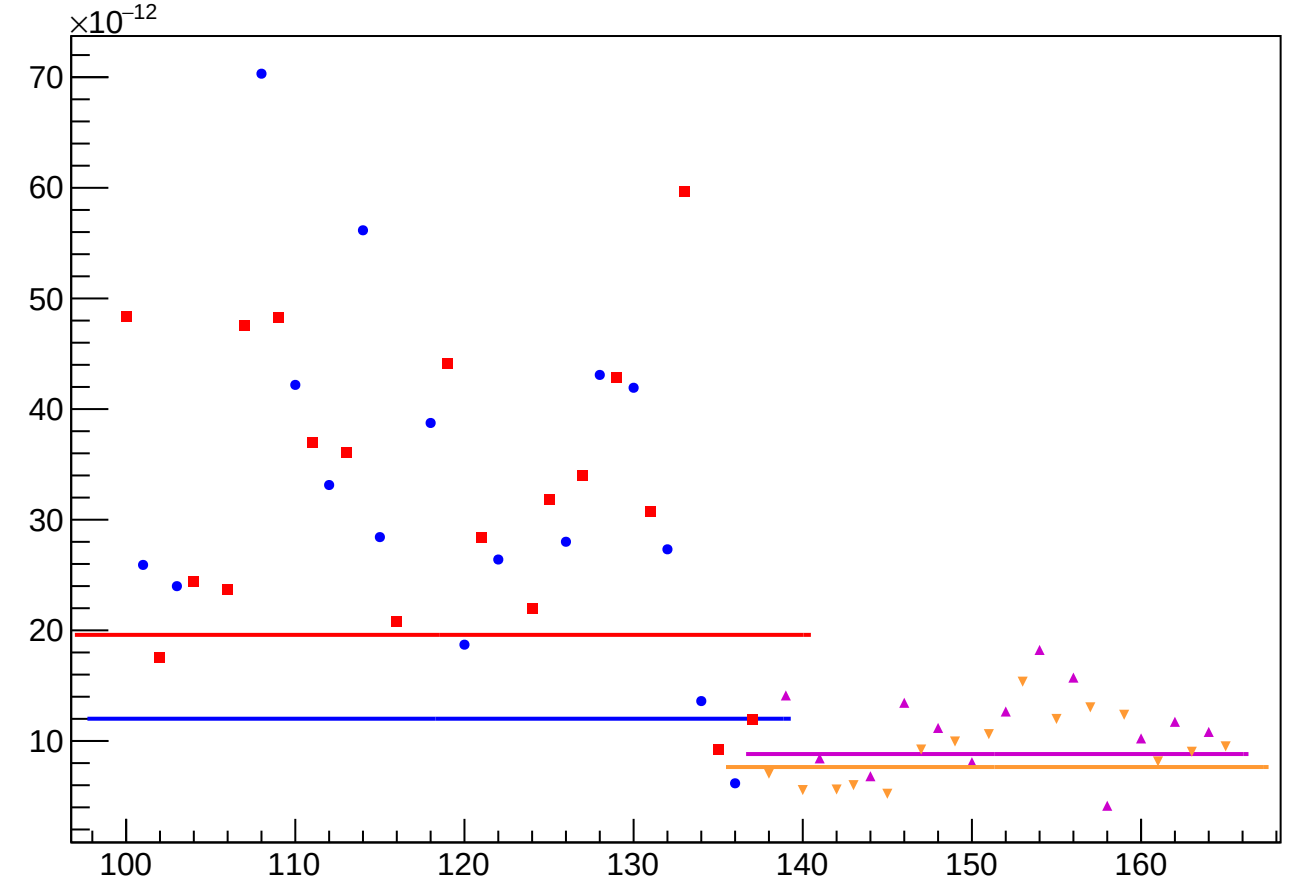
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/30

All: 0.000+/-0.000 χ^2/NDF: 68.3/62

- sign 0.000+/-0.000 χ^2/NDF: 24.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1393213.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

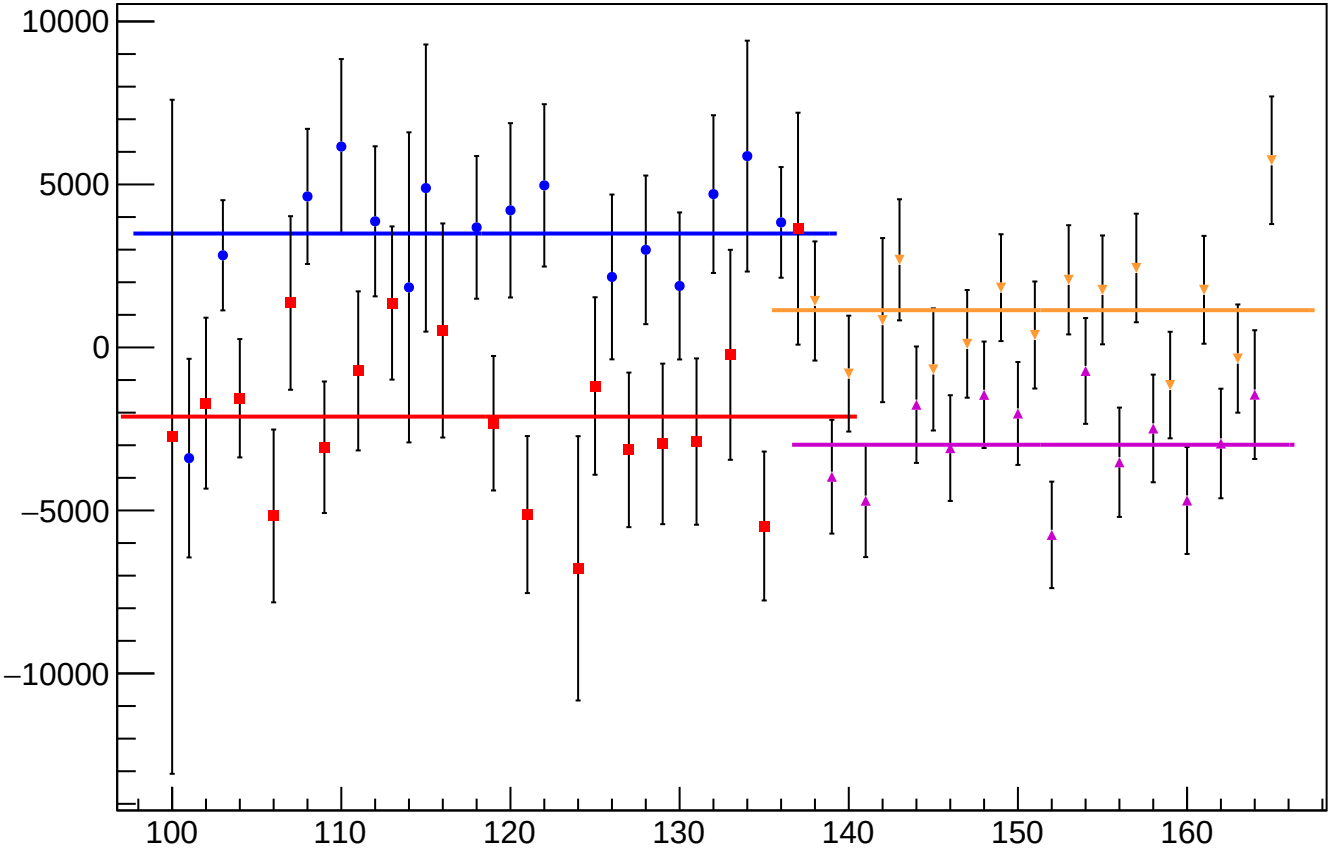
Left In: 0.000+/-0.000 χ^2/NDF:1938960.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 5834942.6/30

All: 0.000+/-0.000 χ^2/NDF: 12541948.9/62

- sign 0.000+/-0.000 χ^2/NDF: 6416665.5/31

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1142.490+/-451.871 χ^2/NDF:13.1/14

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

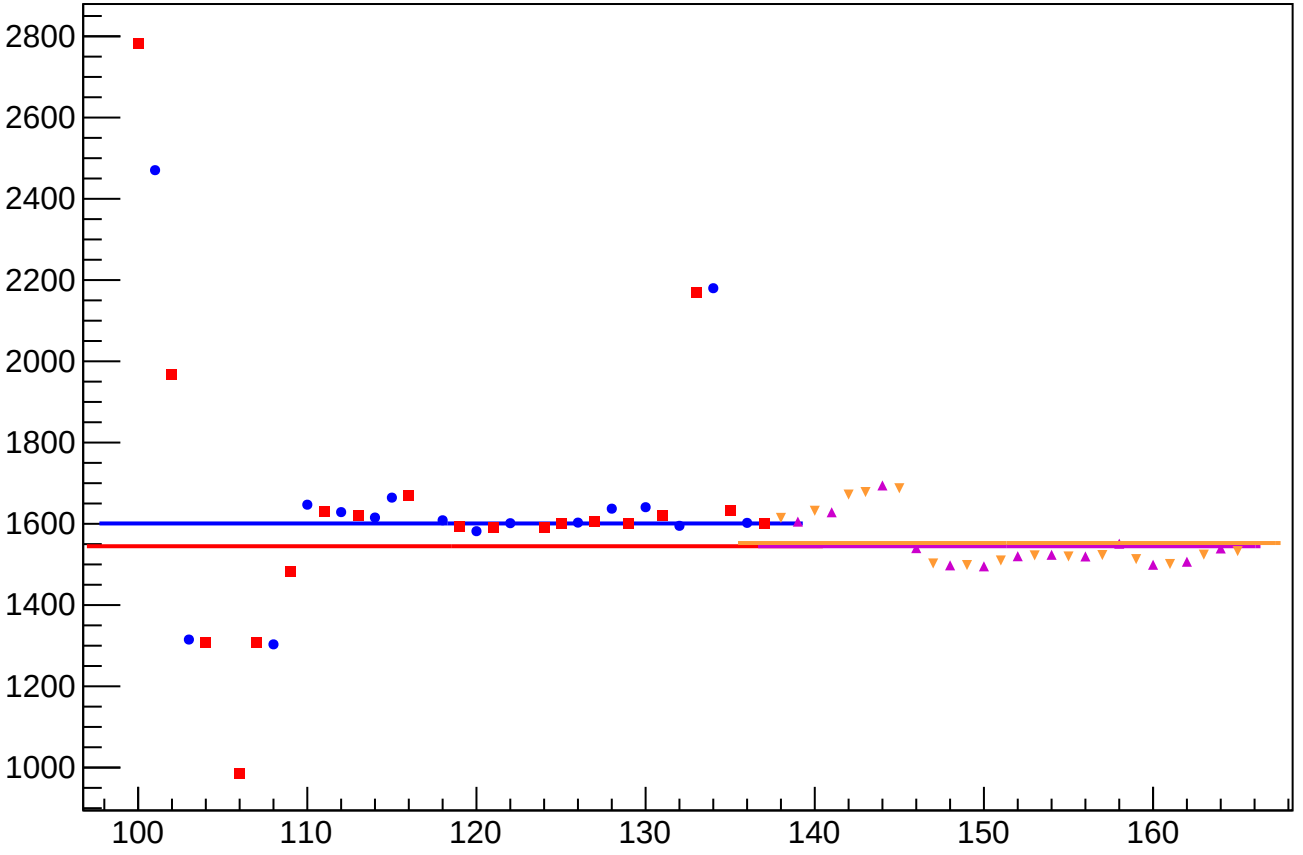
Left In: -2984.783+/-466.697 χ^2/NDF:9.7/12

+ sign 1991.530+/-361.213 χ^2/NDF: 31.7/30

All: -302.596+/-256.904 χ^2/NDF: 139.5/62

- sign -2650.950+/-365.457 χ^2/NDF: 26.1/31

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1552.700+/-0.320 χ^2/NDF:41669.3/14

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

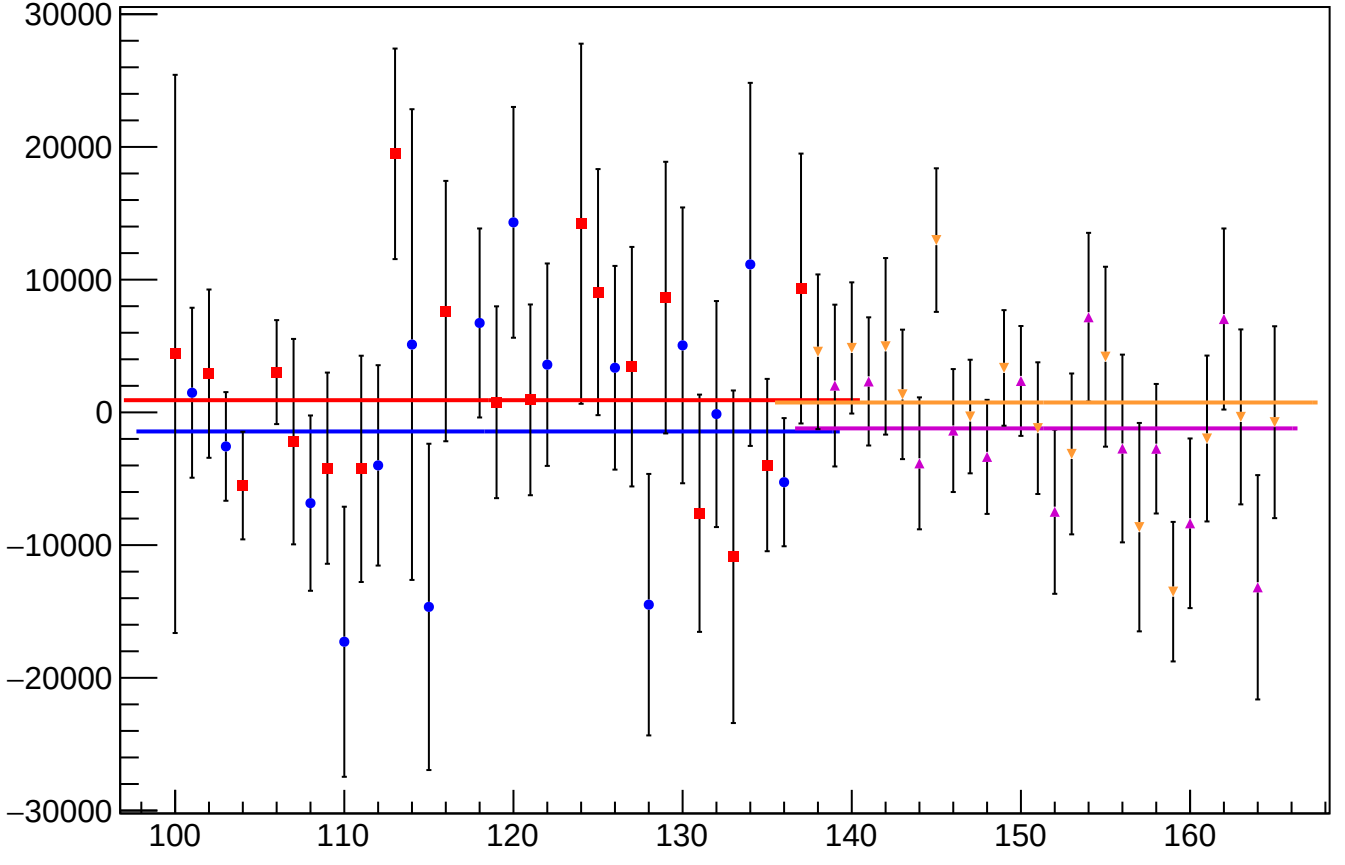
Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

+ sign 1570.093+/-0.255 χ^2/NDF: 367291.4/30

All: 1557.514+/-0.181 χ^2/NDF: 776916.1/62

- sign 1544.806+/-0.257 χ^2/NDF: 404749.0/31

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 744.668+/-1433.975 χ^2/NDF:16.9/14

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

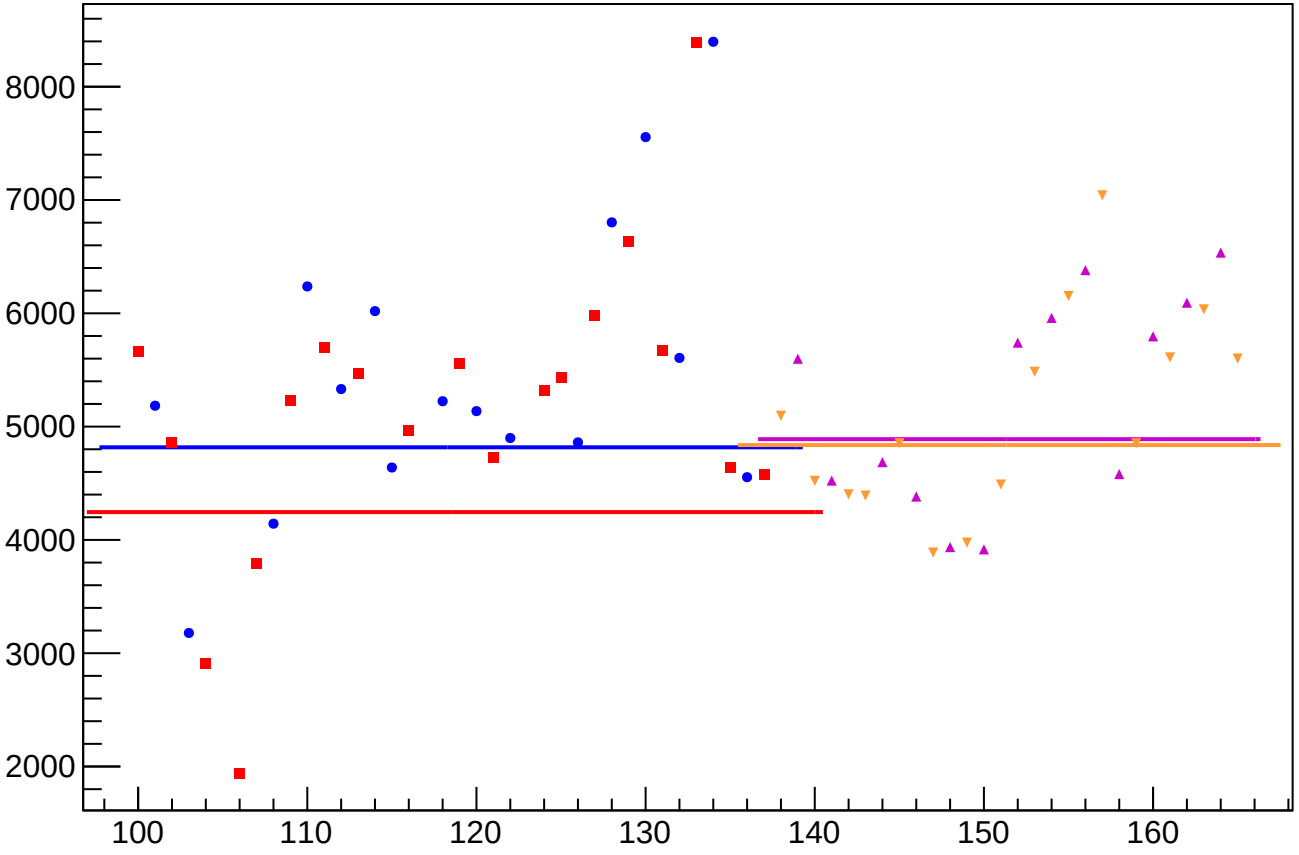
Left In: -1206.835+/-1503.745 χ^2/NDF:9.7/12

+ sign -75.143+/-1132.975 χ^2/NDF: 31.7/30

All: -166.201+/-795.520 χ^2/NDF: 57.6/62

- sign -254.750+/-1117.260 χ^2/NDF: 26.0/31

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4837.051+/-1.014 χ^2/NDF:598565.8/14

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

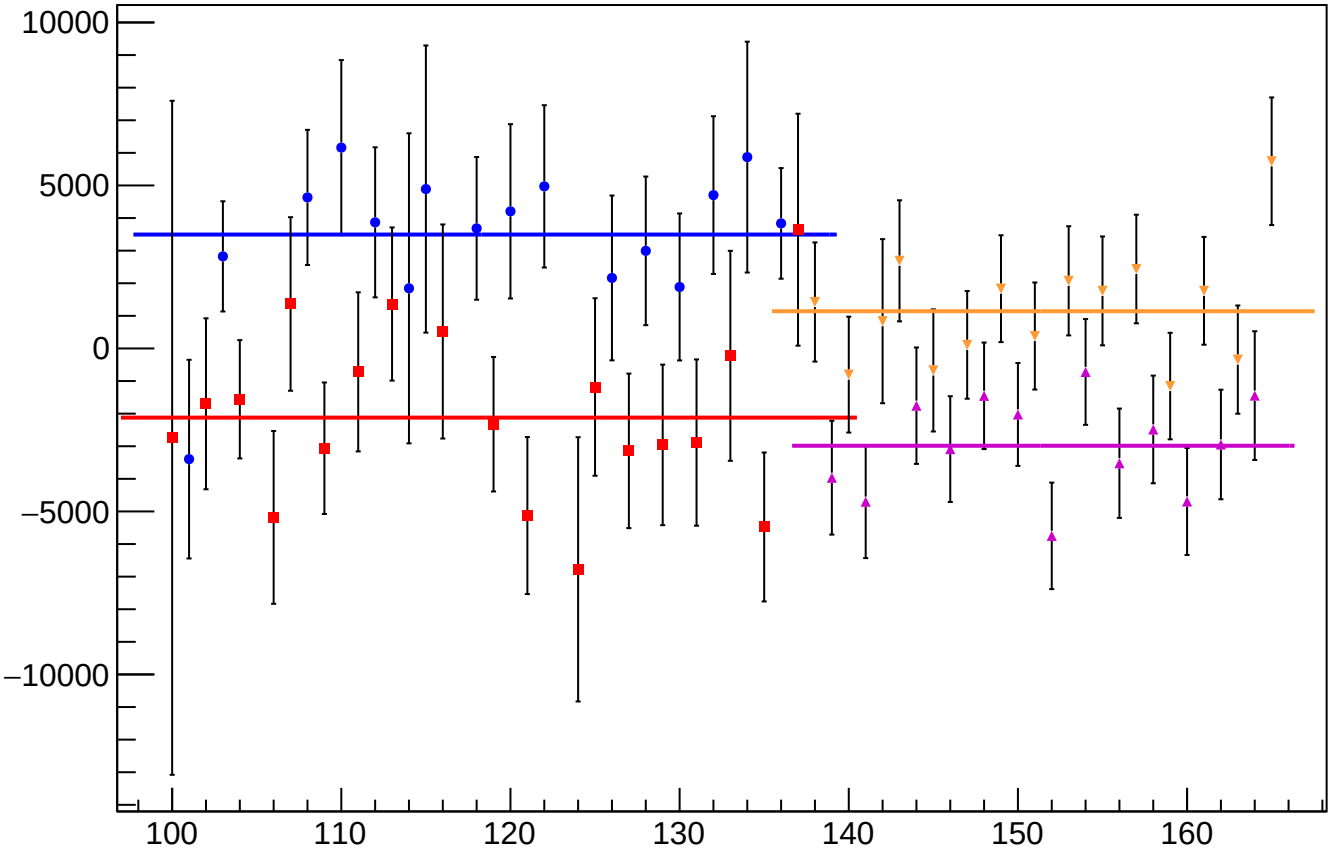
Left In: 4889.302+/-1.063 χ^2/NDF:644931.3/12

+ sign 4829.646+/-0.801 χ^2/NDF: 1394138.9/30

All: 4713.681+/-0.563 χ^2/NDF: 3927765.2/62

- sign 4600.911+/-0.790 χ^2/NDF: 2492298.0/31

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1142.328+/-451.871 χ^2/NDF:13.1/14

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

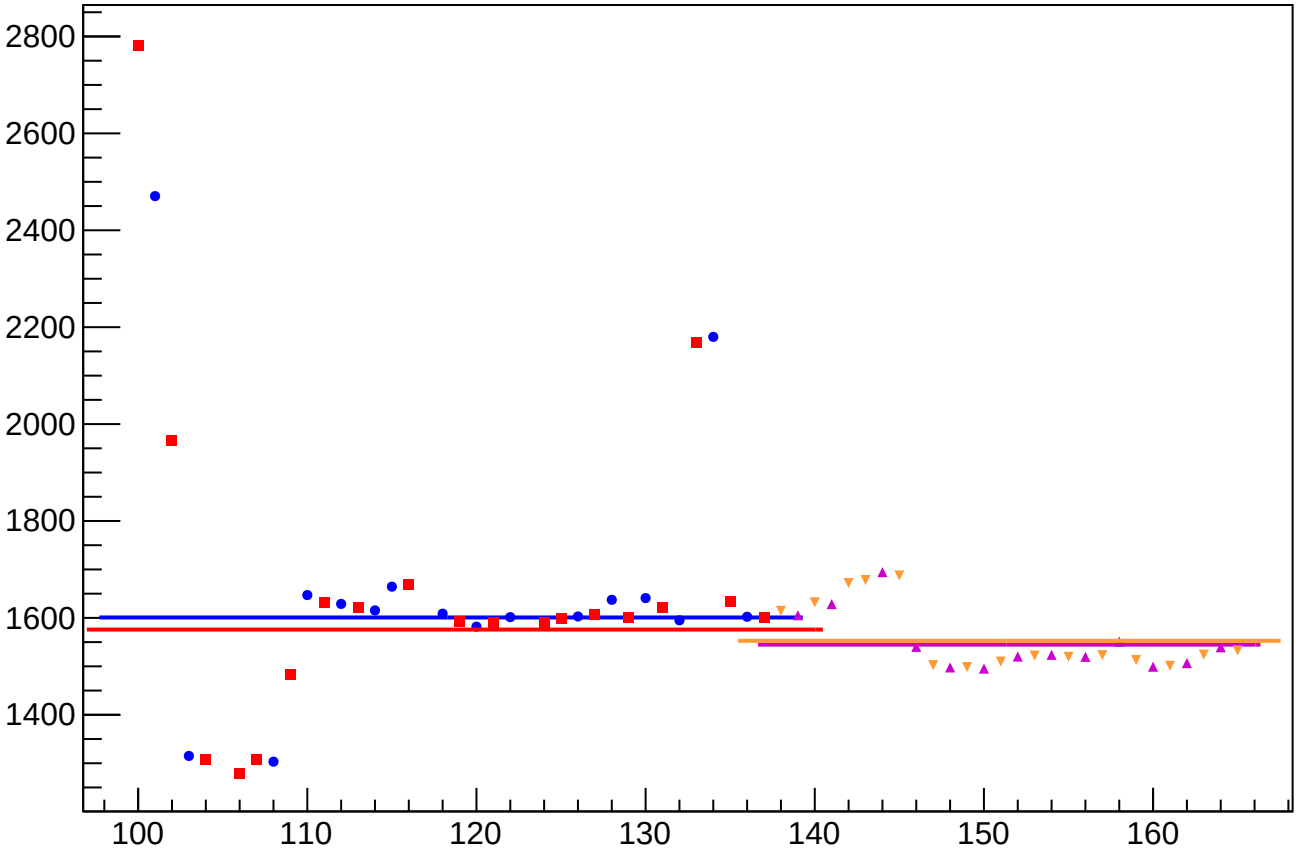
Left In: -2984.790+/-466.697 χ^2/NDF:9.7/12

+ sign 1991.305+/-361.213 χ^2/NDF: 31.7/30

All: -302.706+/-256.904 χ^2/NDF: 139.5/62

- sign -2650.952+/-365.458 χ^2/NDF: 26.1/31

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1552.700+/-0.320 χ^2/NDF:41669.3/14

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

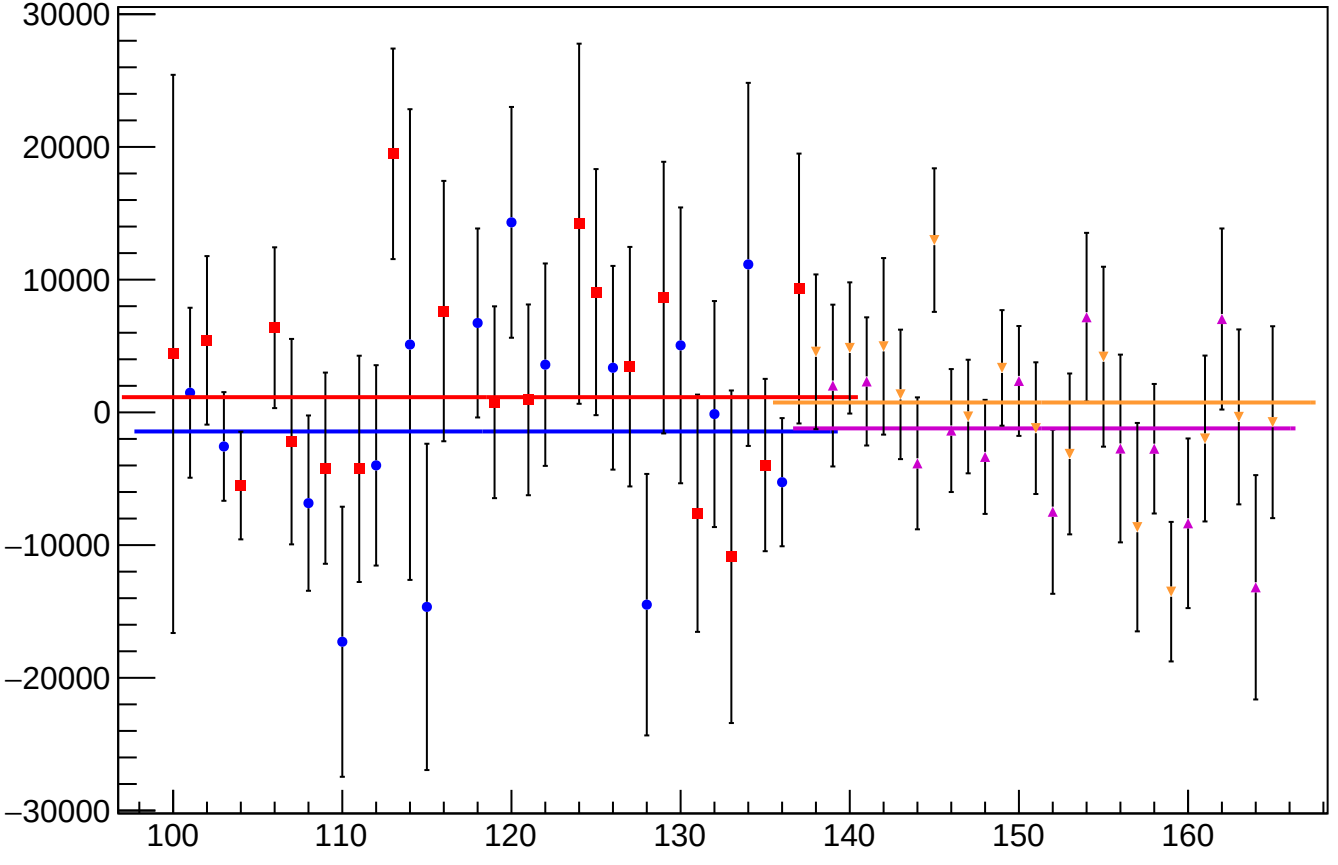
Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

+ sign 1570.093+/-0.255 χ^2/NDF: 367290.6/30

All: 1563.559+/-0.182 χ^2/NDF: 644017.7/62

- sign 1556.890+/-0.258 χ^2/NDF: 275404.7/31

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 744.636+/-1433.973 χ^2/NDF:16.9/14

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

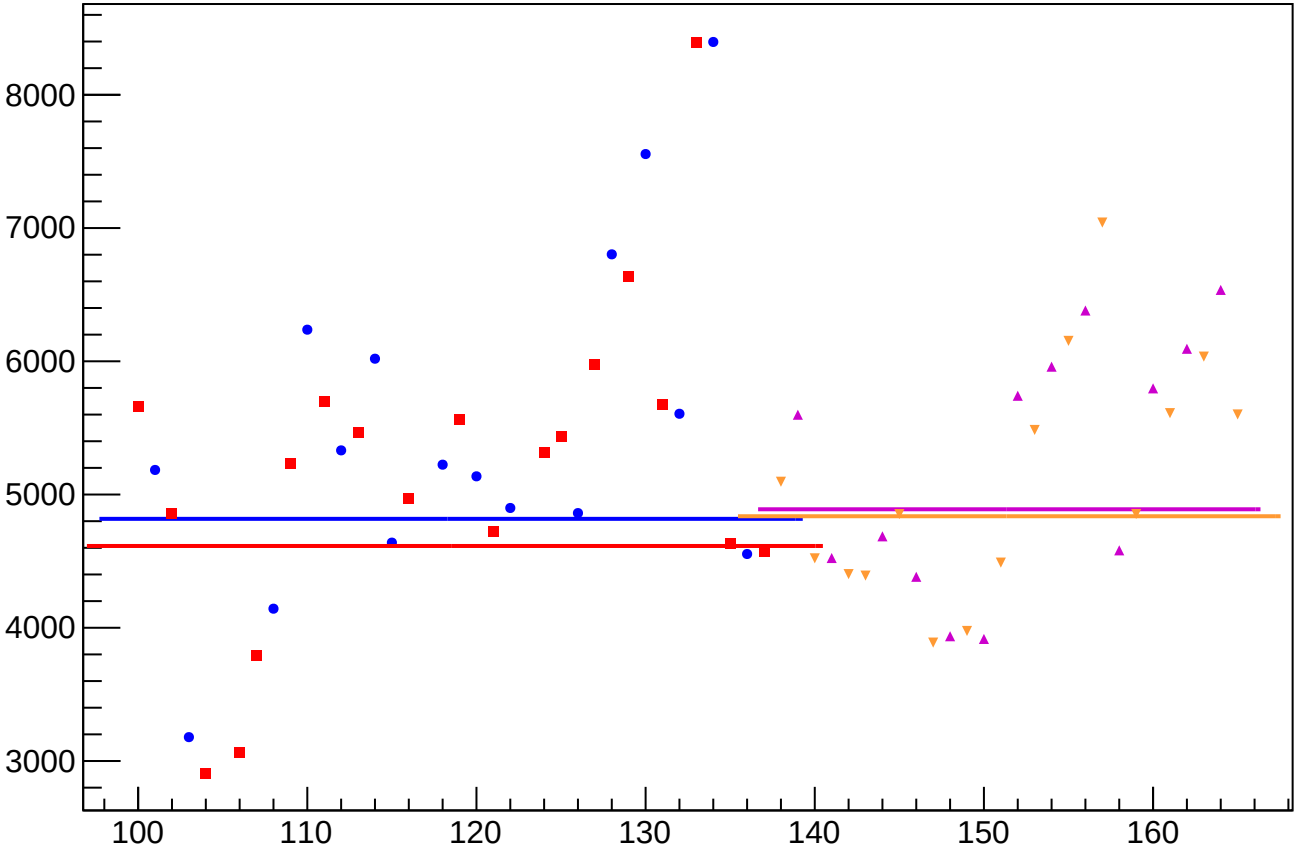
Left In: -1206.945+/-1503.745 χ^2/NDF:9.7/12

+ sign -75.232+/-1132.982 χ^2/NDF: 31.7/30

All: -145.639+/-805.267 χ^2/NDF: 58.7/62

- sign -217.515+/-1144.748 χ^2/NDF: 27.0/31

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4837.041+/-1.014 χ^2/NDF:598573.9/14

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

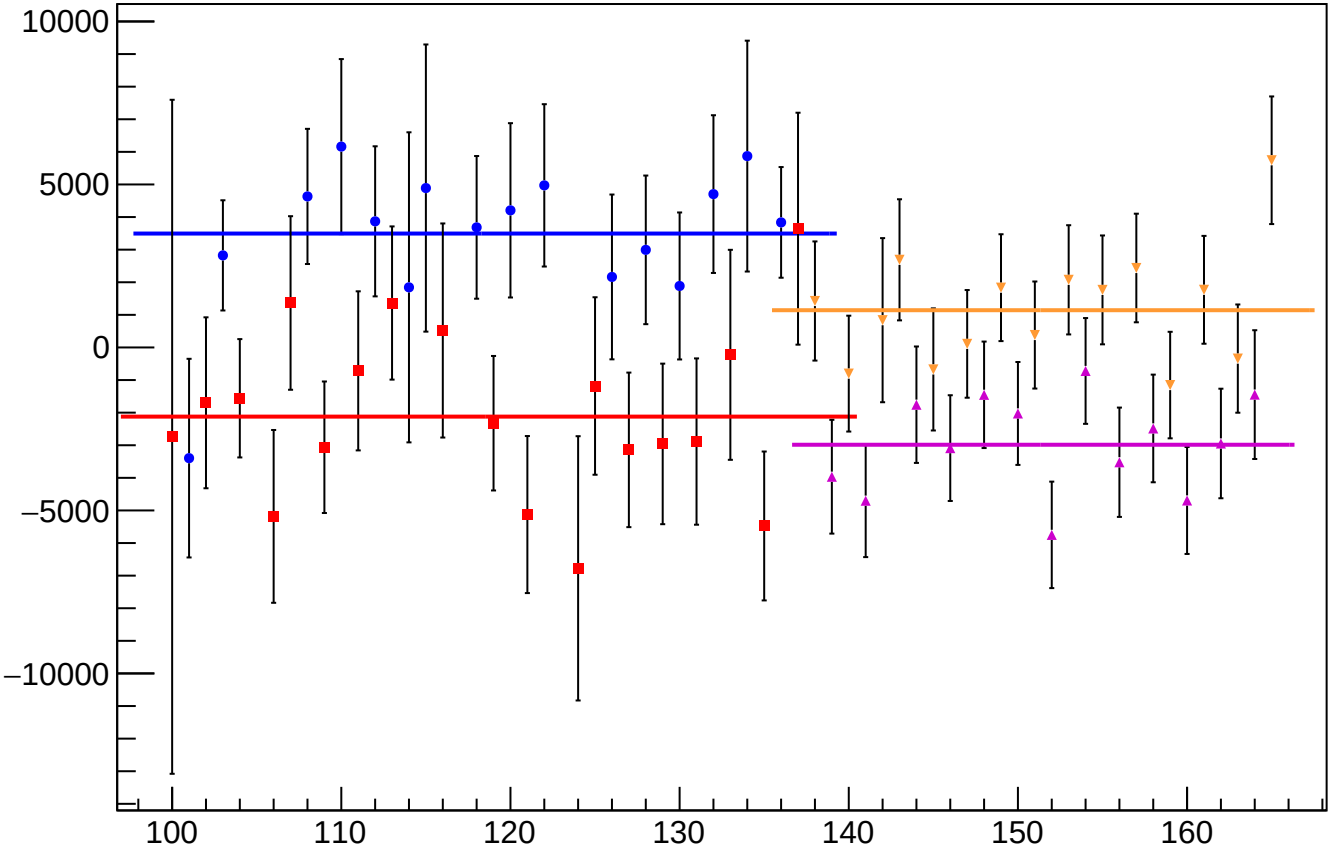
Left In: 4889.302+/-1.063 χ^2/NDF:644933.2/12

+ sign 4829.691+/-0.801 χ^2/NDF: 1393947.1/30

All: 4801.877+/-0.569 χ^2/NDF: 3047491.6/62

- sign 4773.481+/-0.809 χ^2/NDF: 1651108.6/31

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1142.328+/-451.871 χ^2/NDF:13.1/14

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

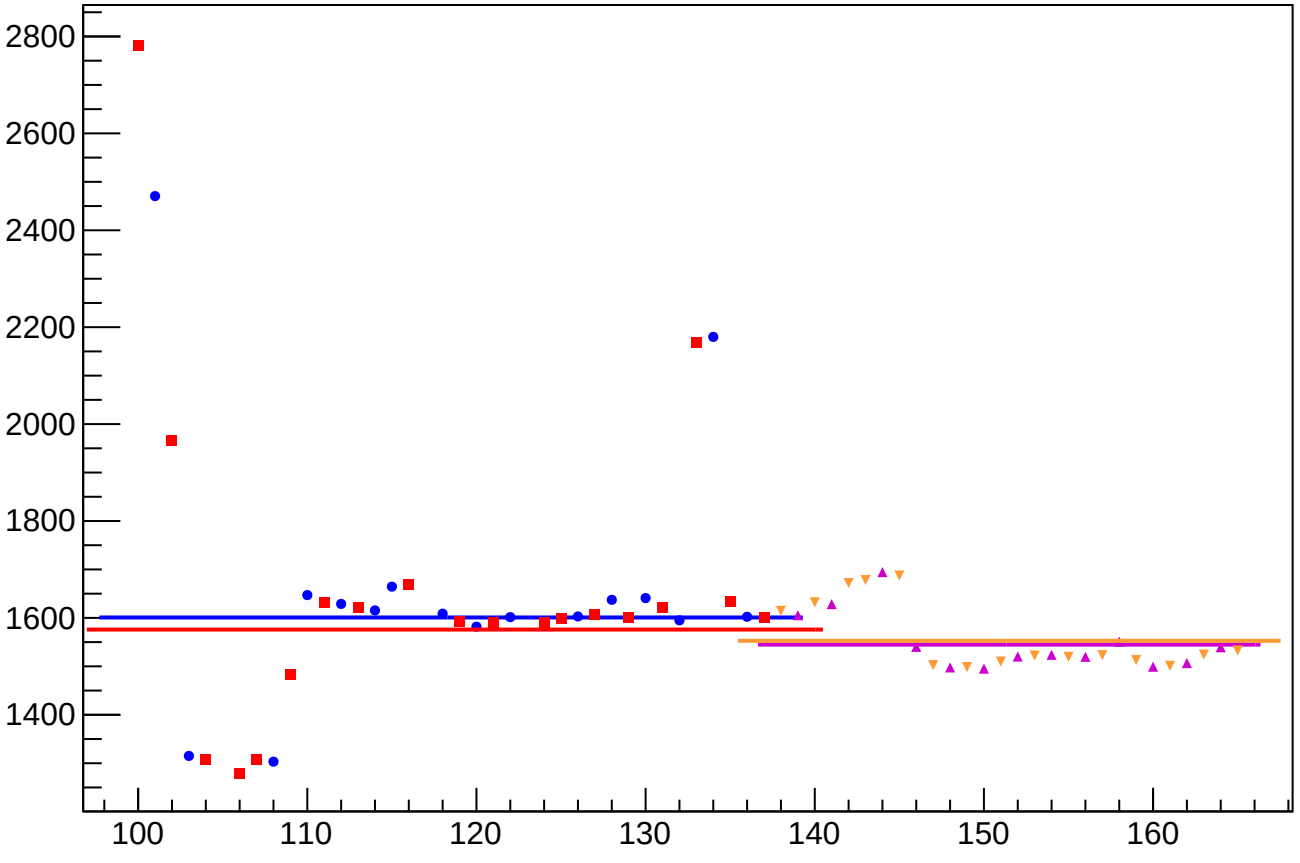
Left In: -2984.790+/-466.697 χ^2/NDF:9.7/12

+ sign 1991.305+/-361.213 χ^2/NDF: 31.7/30

All: -302.706+/-256.904 χ^2/NDF: 139.5/62

- sign -2650.952+/-365.458 χ^2/NDF: 26.1/31

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1552.700+/-0.320 χ^2/NDF:41669.3/14

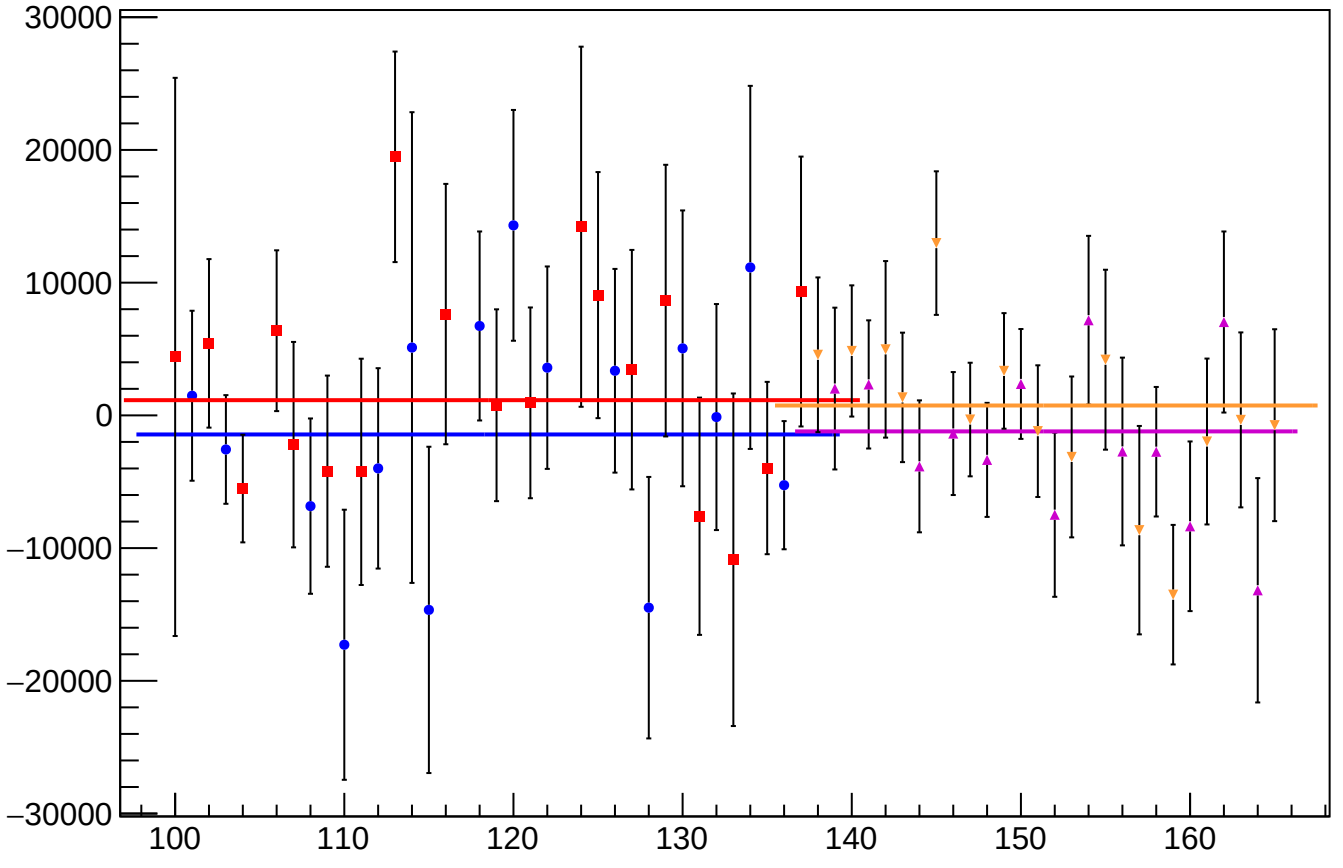
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

+ sign 1570.093+/-0.255 χ^2/NDF: 367290.6/30

All: 1563.559+/-0.182 χ^2/NDF: 644017.7/62

- sign 1556.890+/-0.258 χ^2/NDF: 275404.7/31



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 744.636+/-1433.973 χ^2/NDF:16.9/14

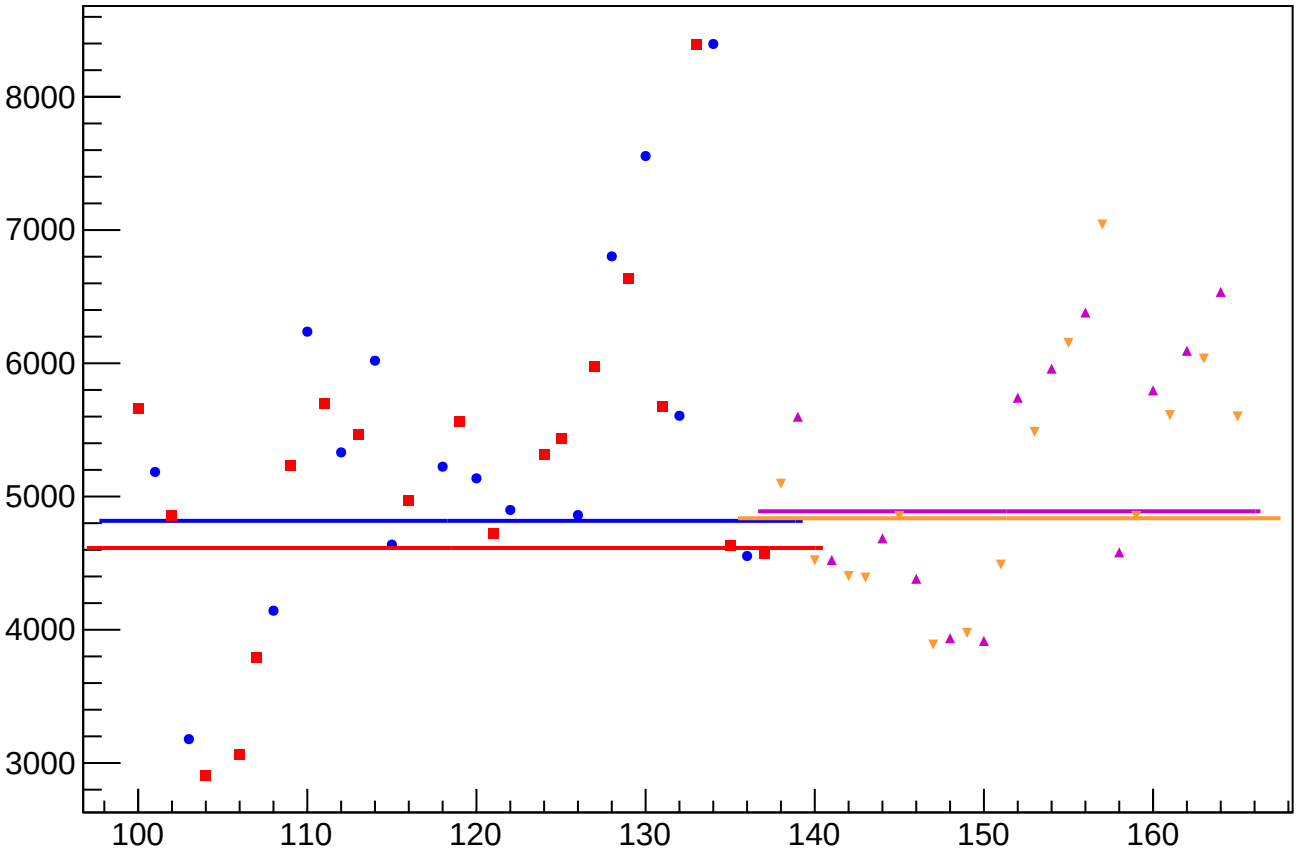
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -1206.945+/-1503.745 χ^2/NDF:9.7/12

+ sign -75.232+/-1132.982 χ^2/NDF: 31.7/30

All: -145.639+/-805.267 χ^2/NDF: 58.7/62

- sign -217.515+/-1144.748 χ^2/NDF: 27.0/31



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4837.041+/-1.014 χ^2/NDF:598573.9/14

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

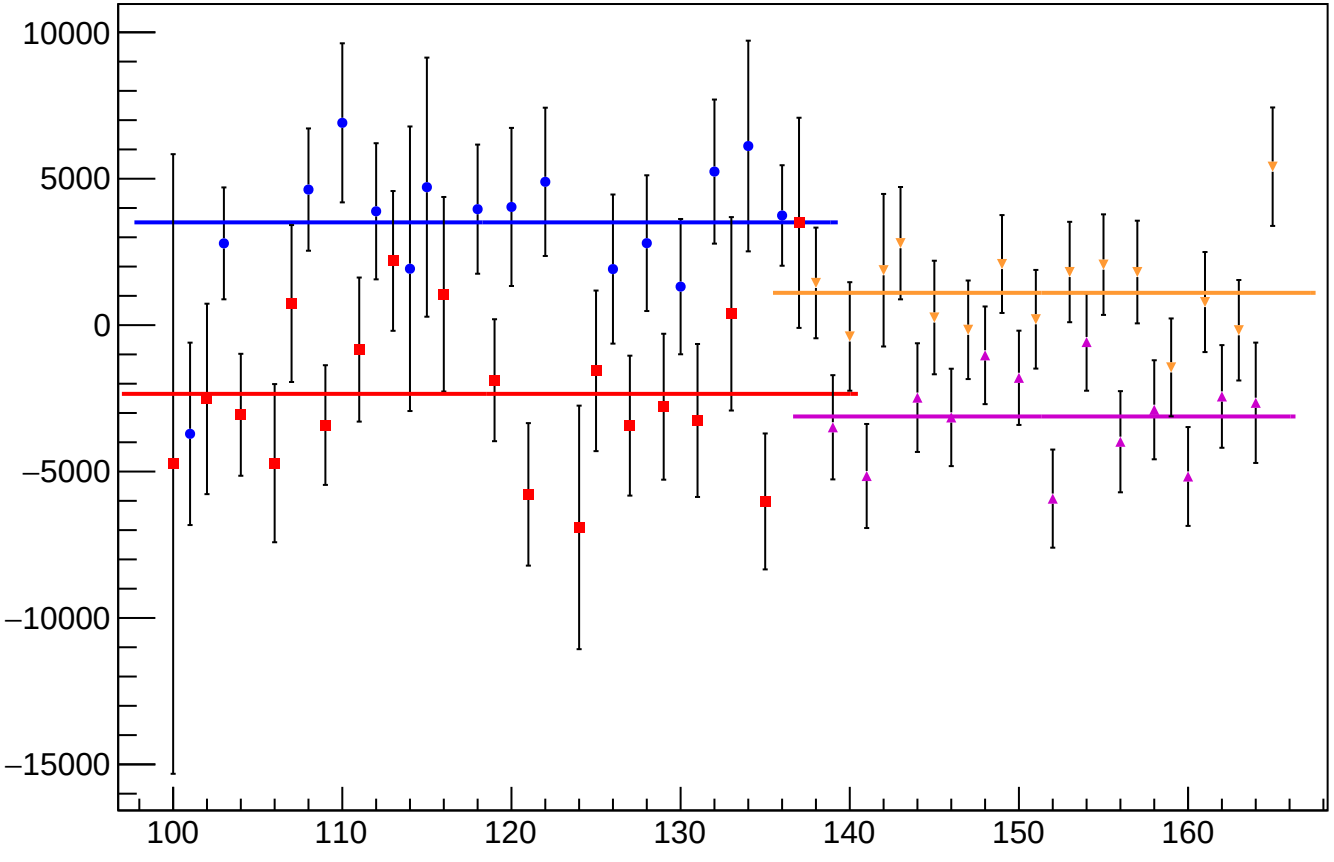
Left In: 4889.302+/-1.063 χ^2/NDF:644933.2/12

+ sign 4829.691+/-0.801 χ^2/NDF: 1393947.1/30

All: 4801.877+/-0.569 χ^2/NDF: 3047491.6/62

- sign 4773.481+/-0.809 χ^2/NDF: 1651108.6/31

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1103.093+/-465.798 χ^2/NDF:11.0/14

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

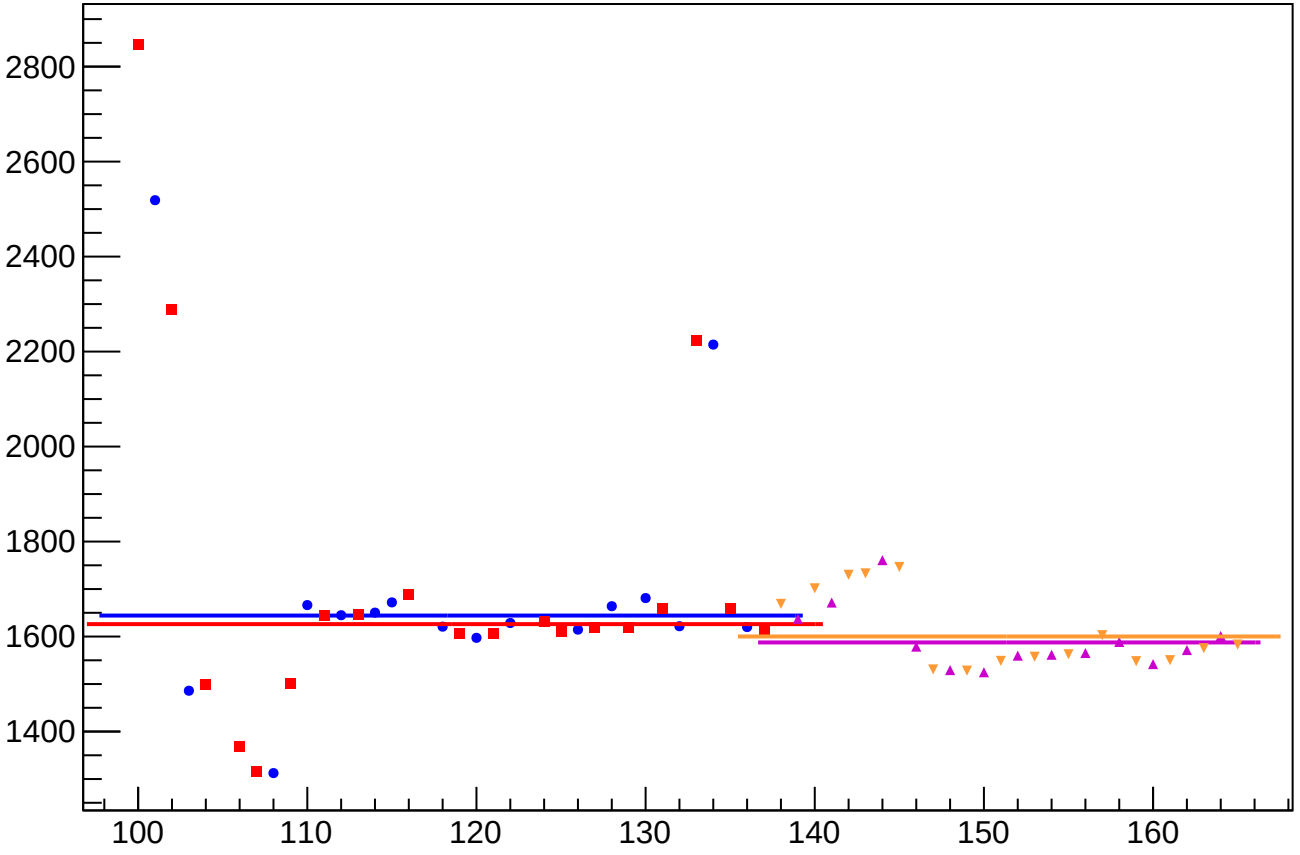
Left In: -3118.860+/-479.693 χ^2/NDF:10.8/12

+ sign 1977.194+/-371.695 χ^2/NDF: 31.1/30

All: -391.916+/-264.503 χ^2/NDF: 142.3/62

- sign -2822.378+/-376.477 χ^2/NDF: 28.9/31

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1600.152+/-0.329 χ^2/NDF:49944.8/14

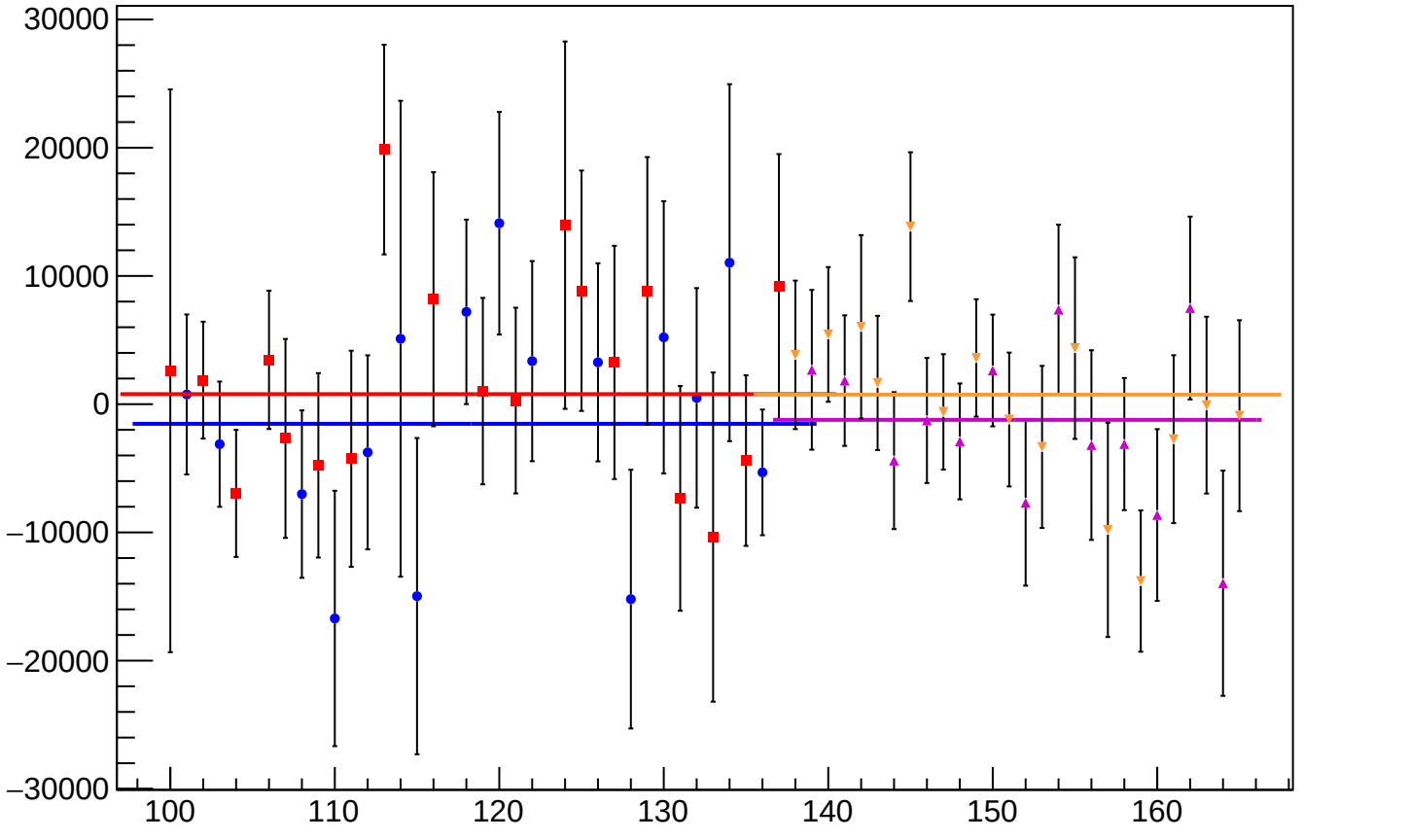
Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1587.599+/-0.339 χ^2/NDF:32083.5/12

+ sign 1616.151+/-0.263 χ^2/NDF: 331258.6/30

All: 1609.376+/-0.187 χ^2/NDF: 607299.6/62

- sign 1602.430+/-0.266 χ^2/NDF: 274695.1/31



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 745.193+/-1507.094 χ^2/NDF:17.0/14

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

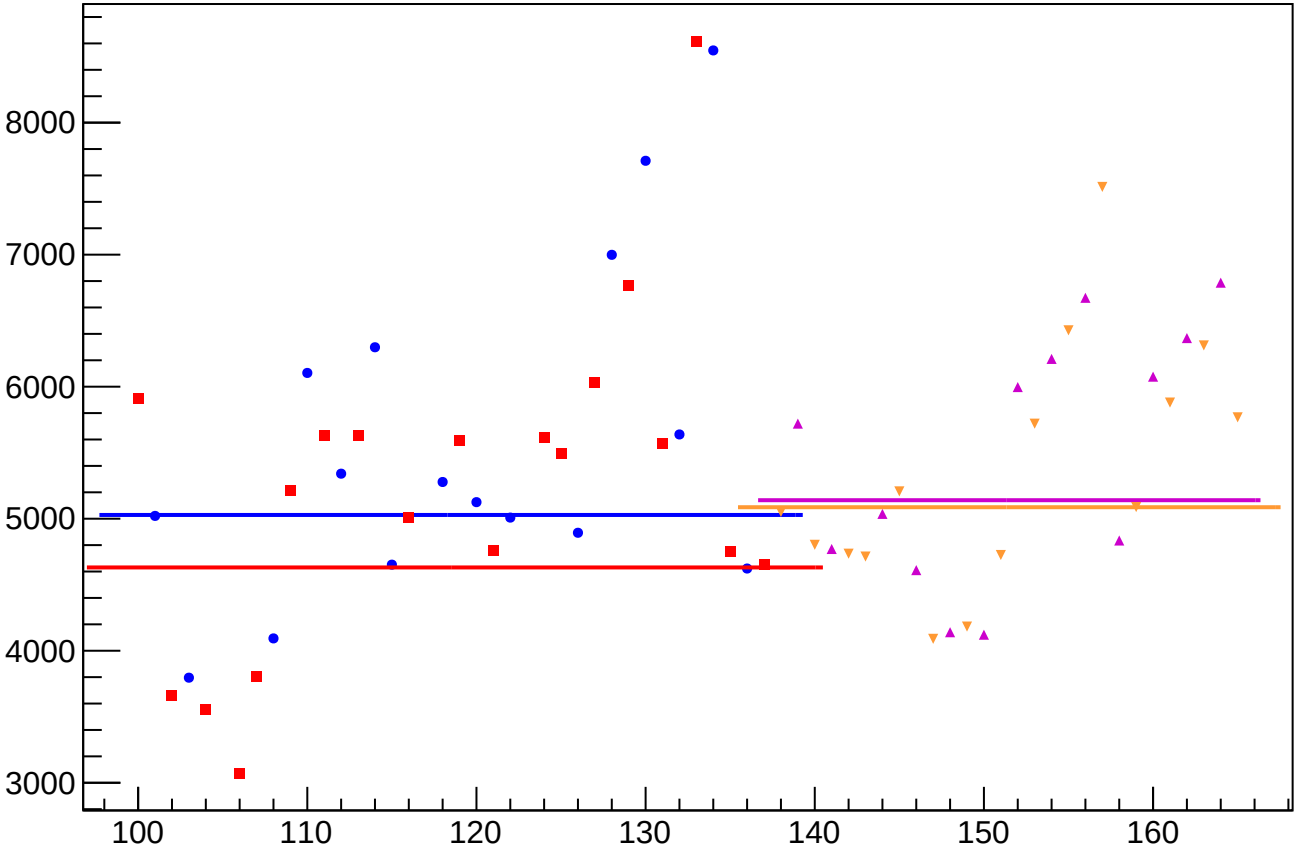
Left In: -1221.646+/-1579.598 χ^2/NDF:9.7/12

+ sign -126.487+/-1184.035 χ^2/NDF: 31.7/30

All: -224.362+/-833.002 χ^2/NDF: 57.2/62

- sign -320.281+/-1172.141 χ^2/NDF: 25.5/31

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5087.010+/-1.066 χ^2/NDF:577051.6/14

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

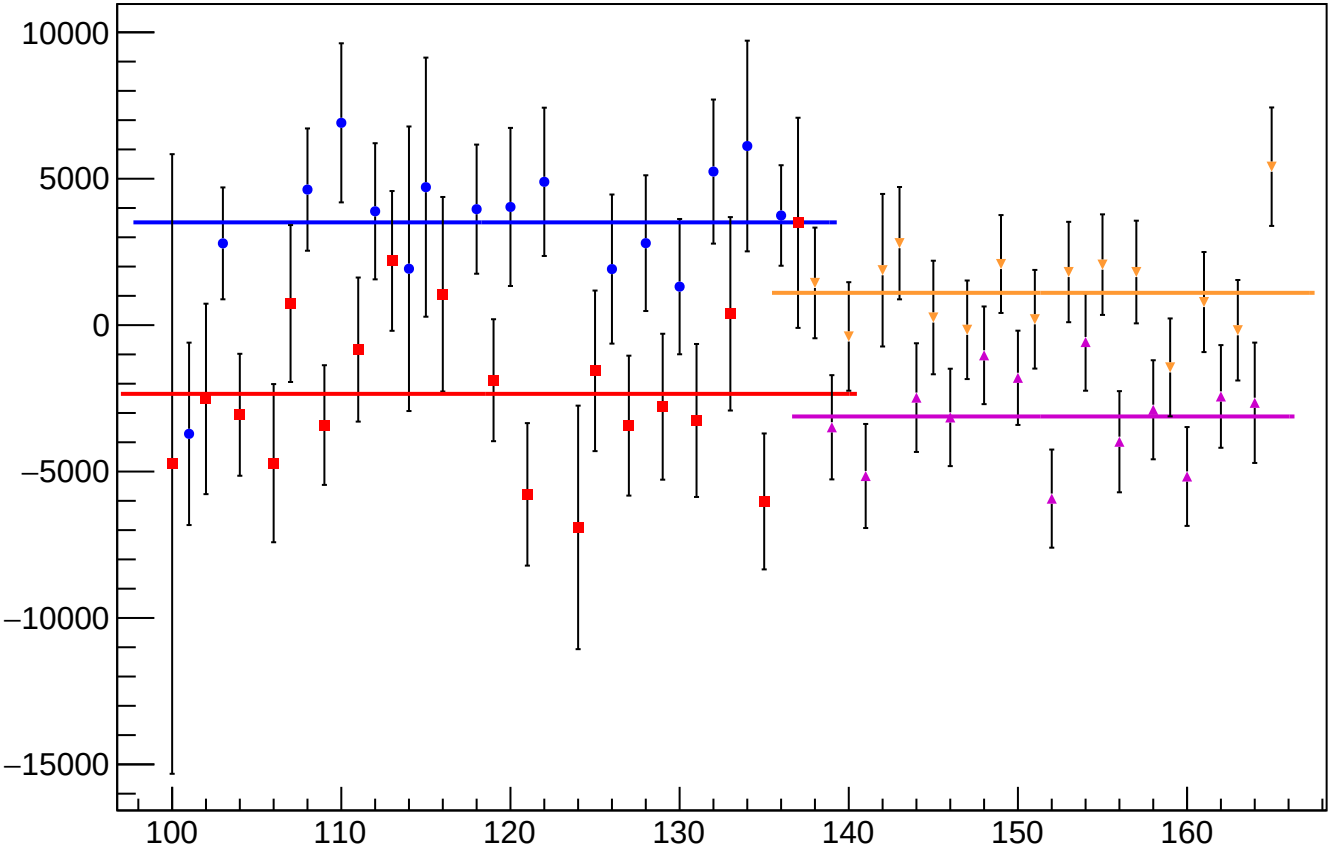
Left In: 5140.196+/-1.117 χ^2/NDF:608638.2/12

+ sign 5064.595+/-0.837 χ^2/NDF: 1143676.9/30

All: 4987.193+/-0.589 χ^2/NDF: 2726179.5/62

- sign 4911.338+/-0.829 χ^2/NDF: 1565579.8/31

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1103.081+/-465.799 χ^2/NDF:11.0/14

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

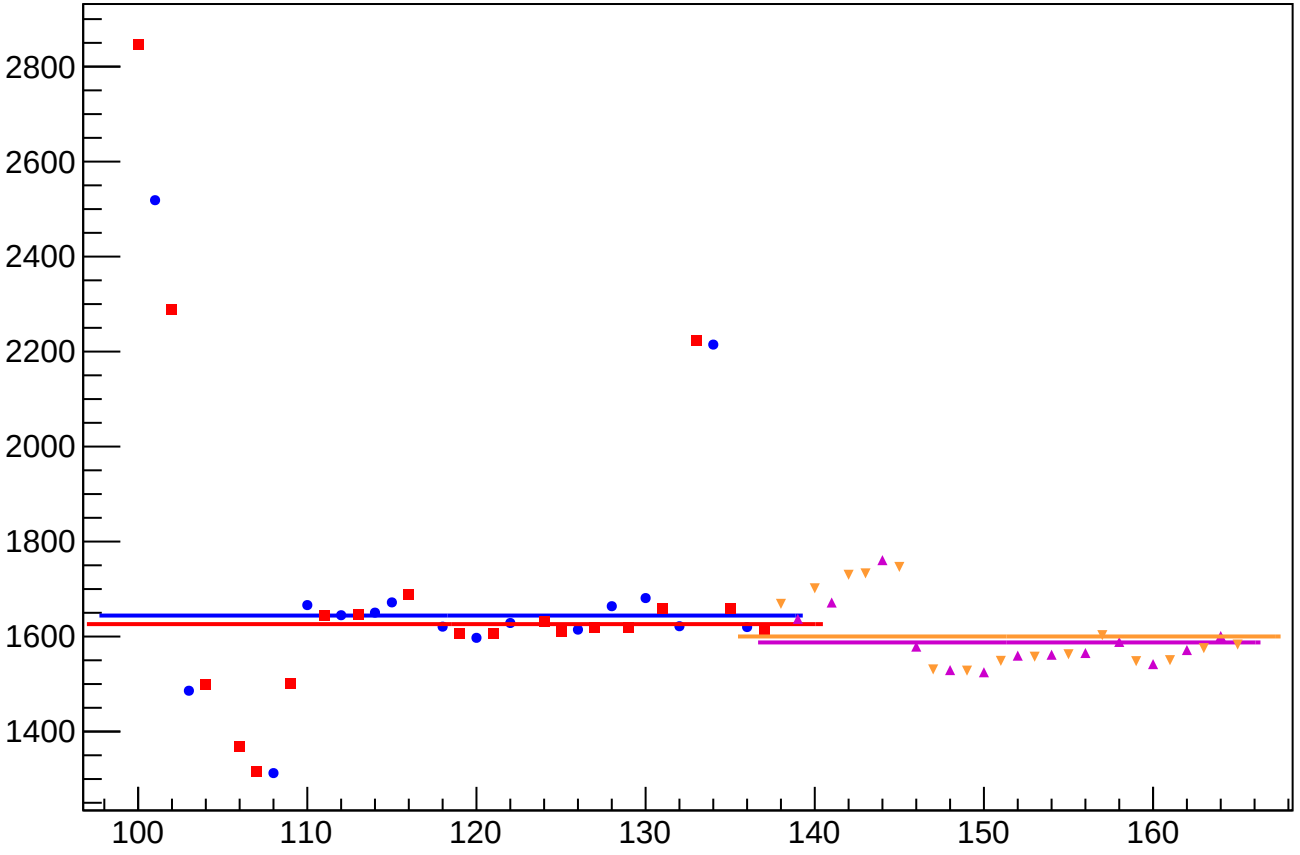
Left In: -3118.864+/-479.694 χ^2/NDF:10.8/12

+ sign 1977.188+/-371.695 χ^2/NDF: 31.1/30

All: -391.920+/-264.503 χ^2/NDF: 142.3/62

- sign -2822.382+/-376.477 χ^2/NDF: 28.9/31

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1600.154+/-0.329 χ^2/NDF:49944.7/14

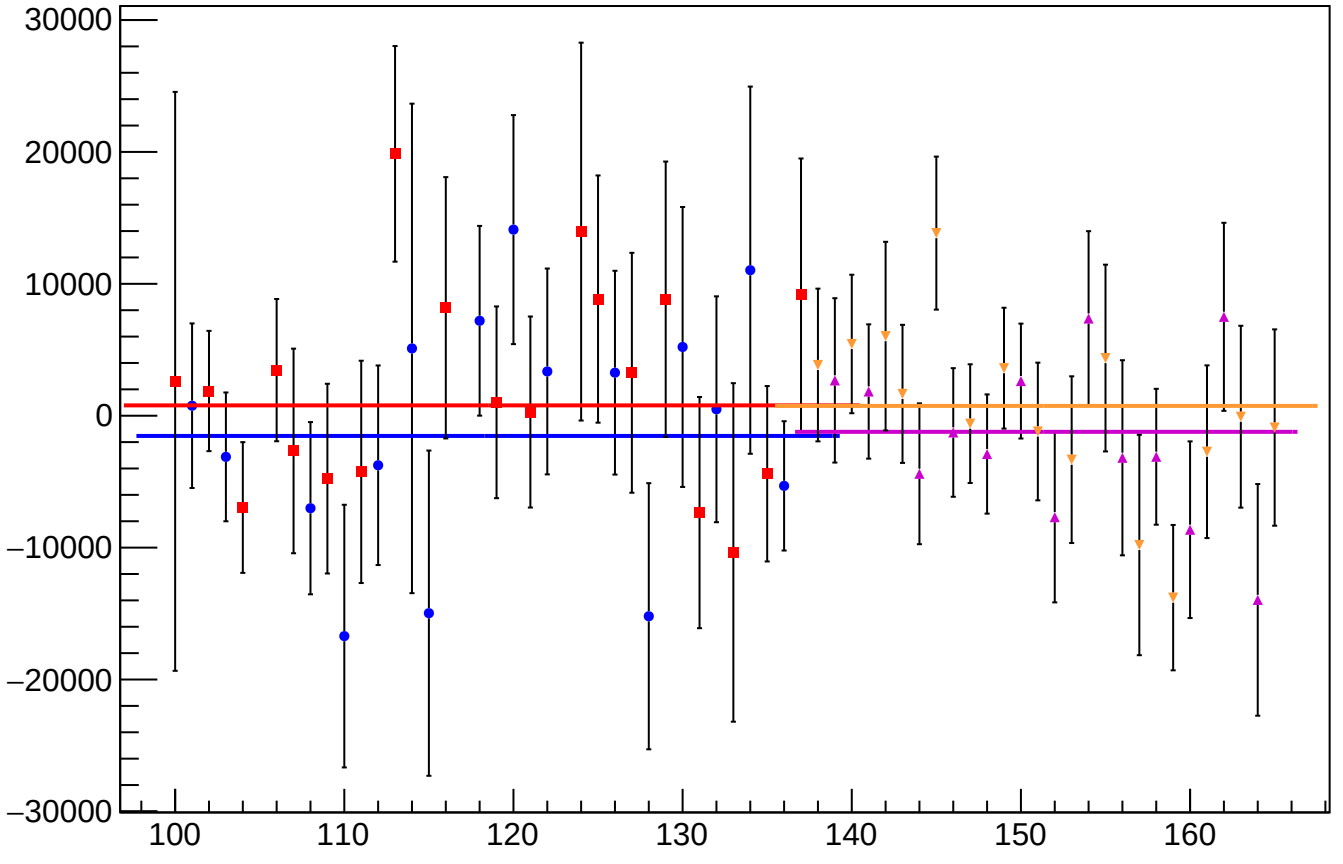
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1587.601+/-0.339 χ^2/NDF:32083.4/12

+ sign 1616.152+/-0.263 χ^2/NDF: 331258.1/30

All: 1609.377+/-0.187 χ^2/NDF: 607298.1/62

- sign 1602.431+/-0.266 χ^2/NDF: 274694.1/31



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 745.188+/-1507.097 χ^2/NDF:17.0/14

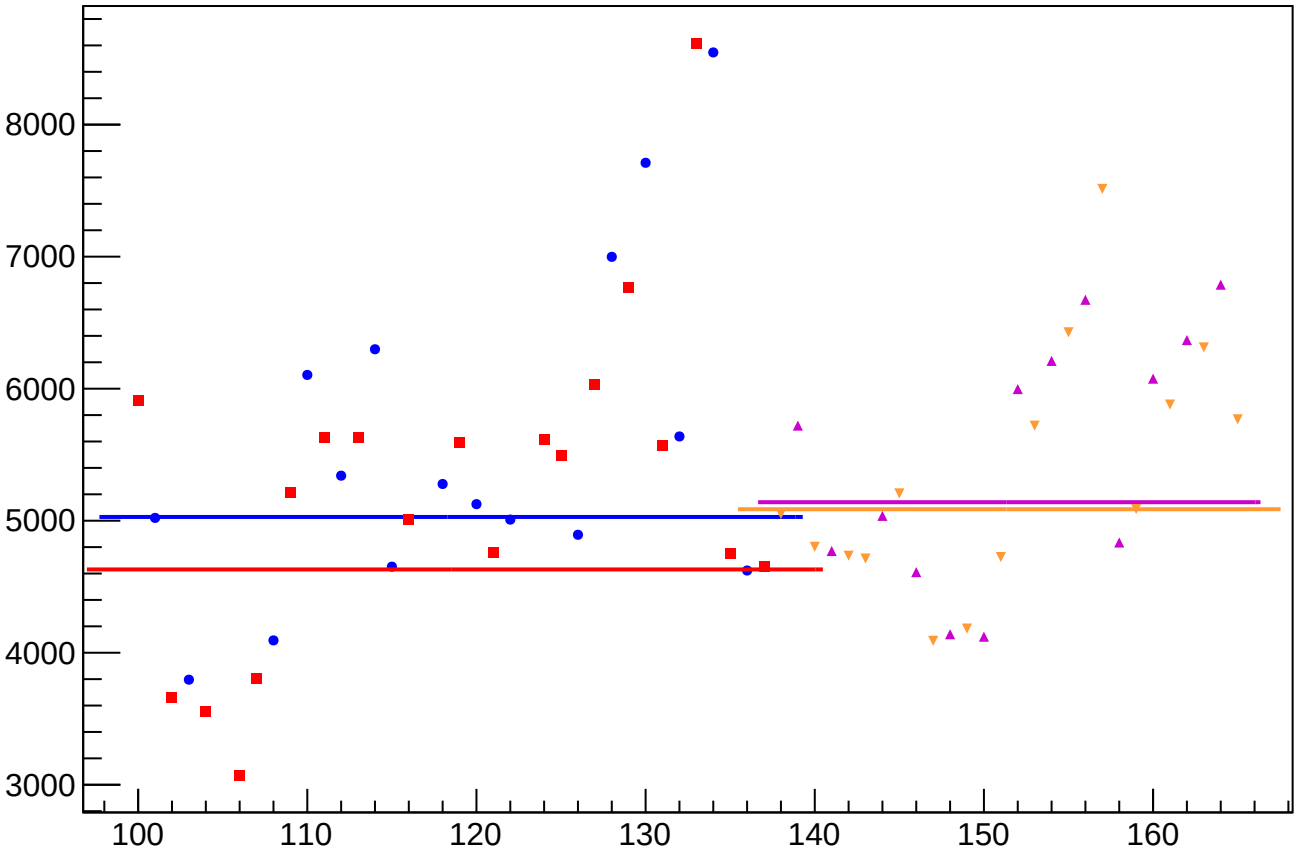
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -1221.645+/-1579.601 χ^2/NDF:9.7/12

\+ sign -126.488+/-1184.035 χ^2/NDF: 31.7/30

All: -224.360+/-833.002 χ^2/NDF: 57.2/62

\- sign -320.276+/-1172.141 χ^2/NDF: 25.5/31



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5087.019+/-1.066 χ^2/NDF:577052.8/14

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

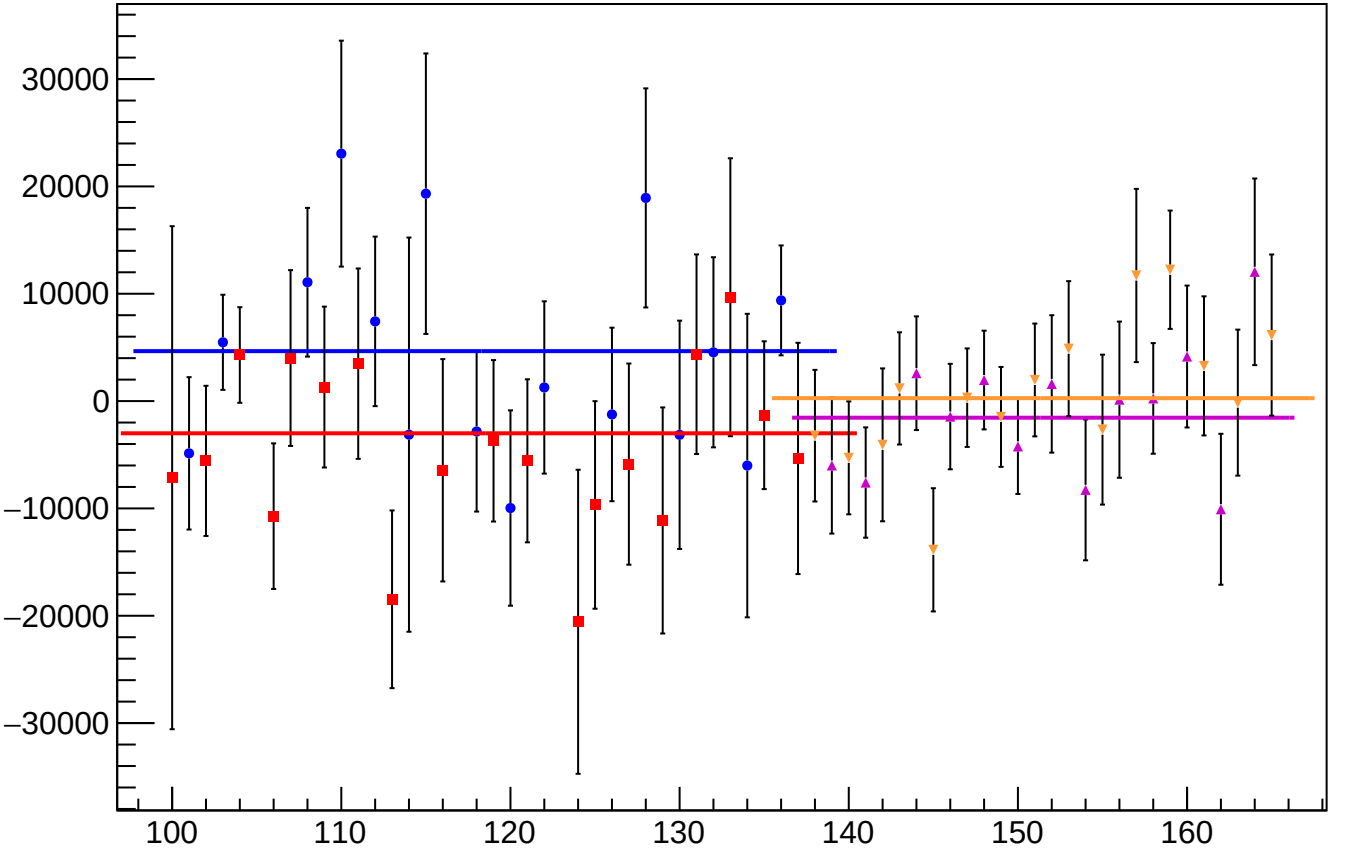
Left In: 5140.204+/-1.117 χ^2/NDF:608639.0/12

+ sign 5064.598+/-0.837 χ^2/NDF: 1143672.4/30

All: 4987.195+/-0.589 χ^2/NDF: 2726175.7/62

- sign 4911.339+/-0.829 χ^2/NDF: 1565580.0/31

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 272.112+/-1513.675 χ^2/NDF:16.4/14

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

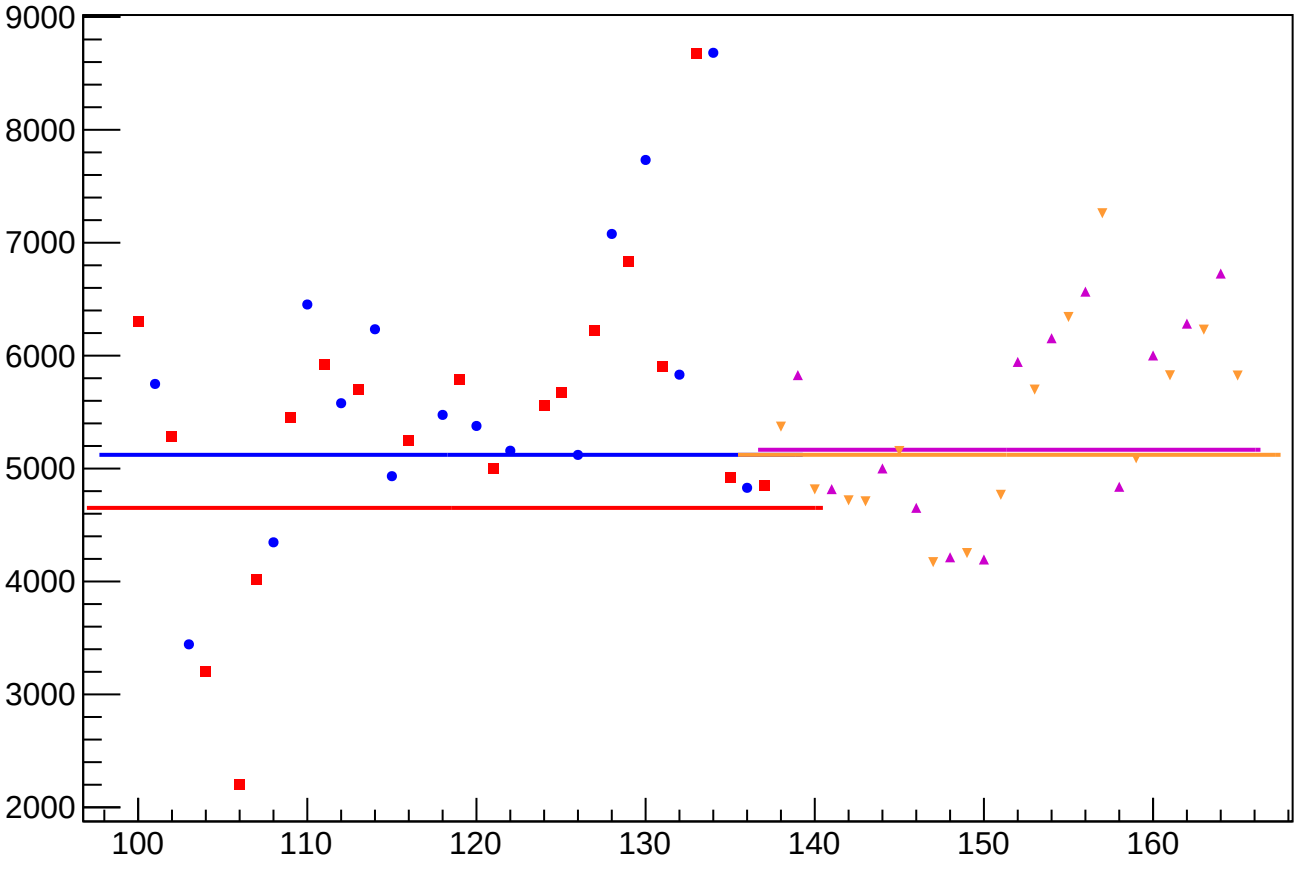
Left In: -1547.710+/-1584.201 χ^2/NDF:9.6/12

+ sign 1910.433+/-1197.662 χ^2/NDF: 35.1/30

All: -95.343+/-851.967 χ^2/NDF: 64.5/62

- sign -2150.094+/-1212.196 χ^2/NDF: 23.8/31

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5121.785+/-1.070 χ^2/NDF:506484.9/14

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

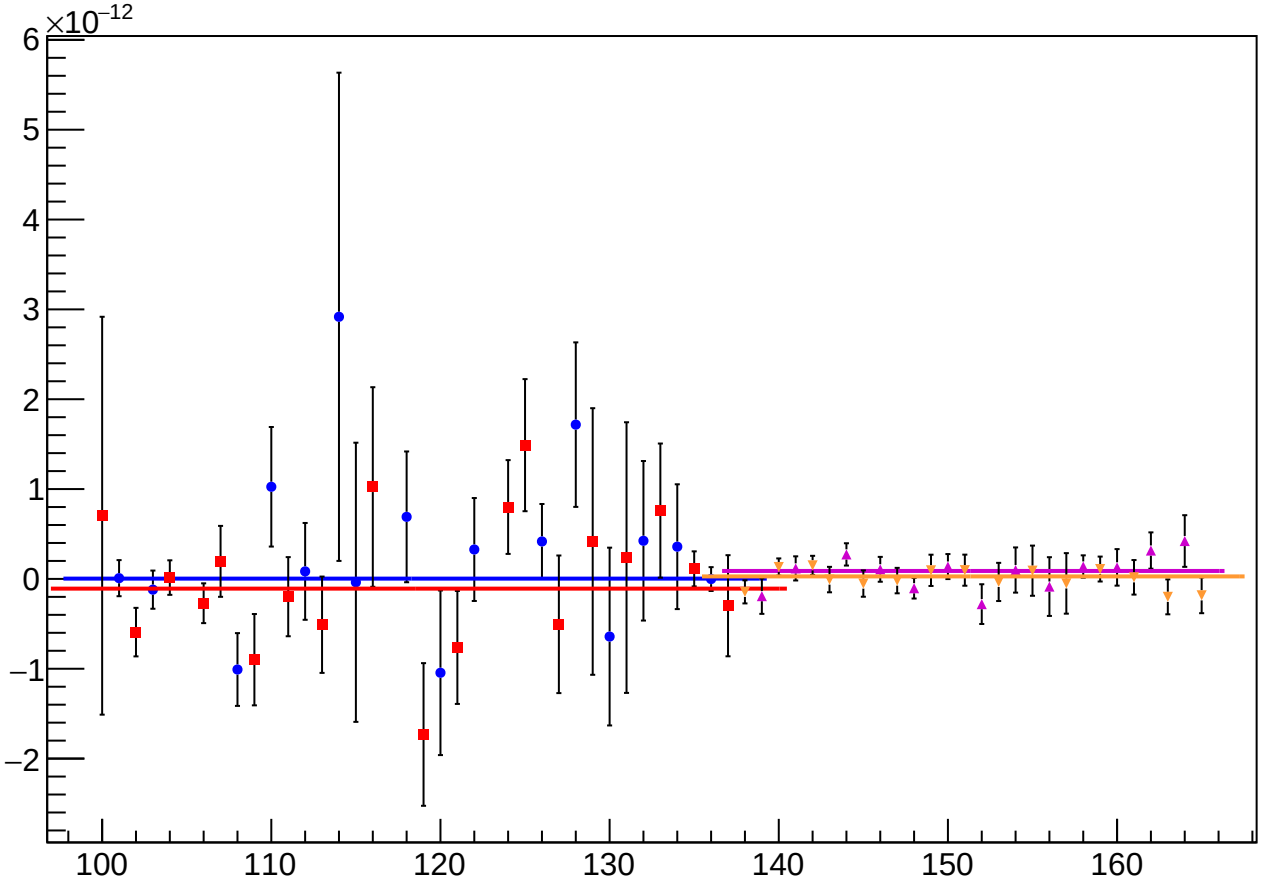
Left In: 5166.567+/-1.120 χ^2/NDF:540484.3/12

+ sign 5121.732+/-0.847 χ^2/NDF: 1226855.0/30

All: 5032.136+/-0.597 χ^2/NDF: 3226077.5/62

- sign 4943.342+/-0.843 χ^2/NDF: 1976937.0/31

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:8.1/14

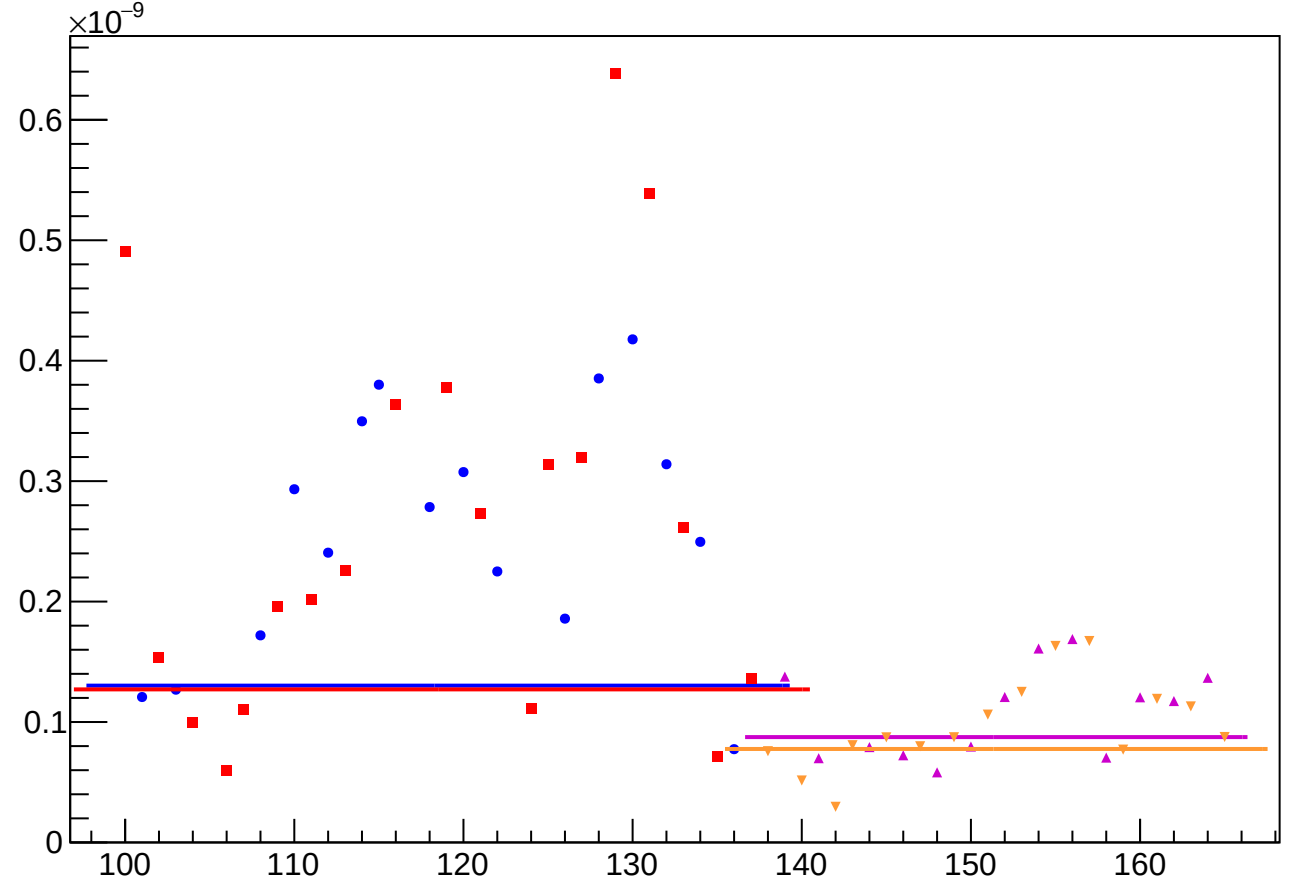
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/30

All: 0.000+/-0.000 χ^2/NDF: 68.5/62

- sign 0.000+/-0.000 χ^2/NDF: 42.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1221779.8/14

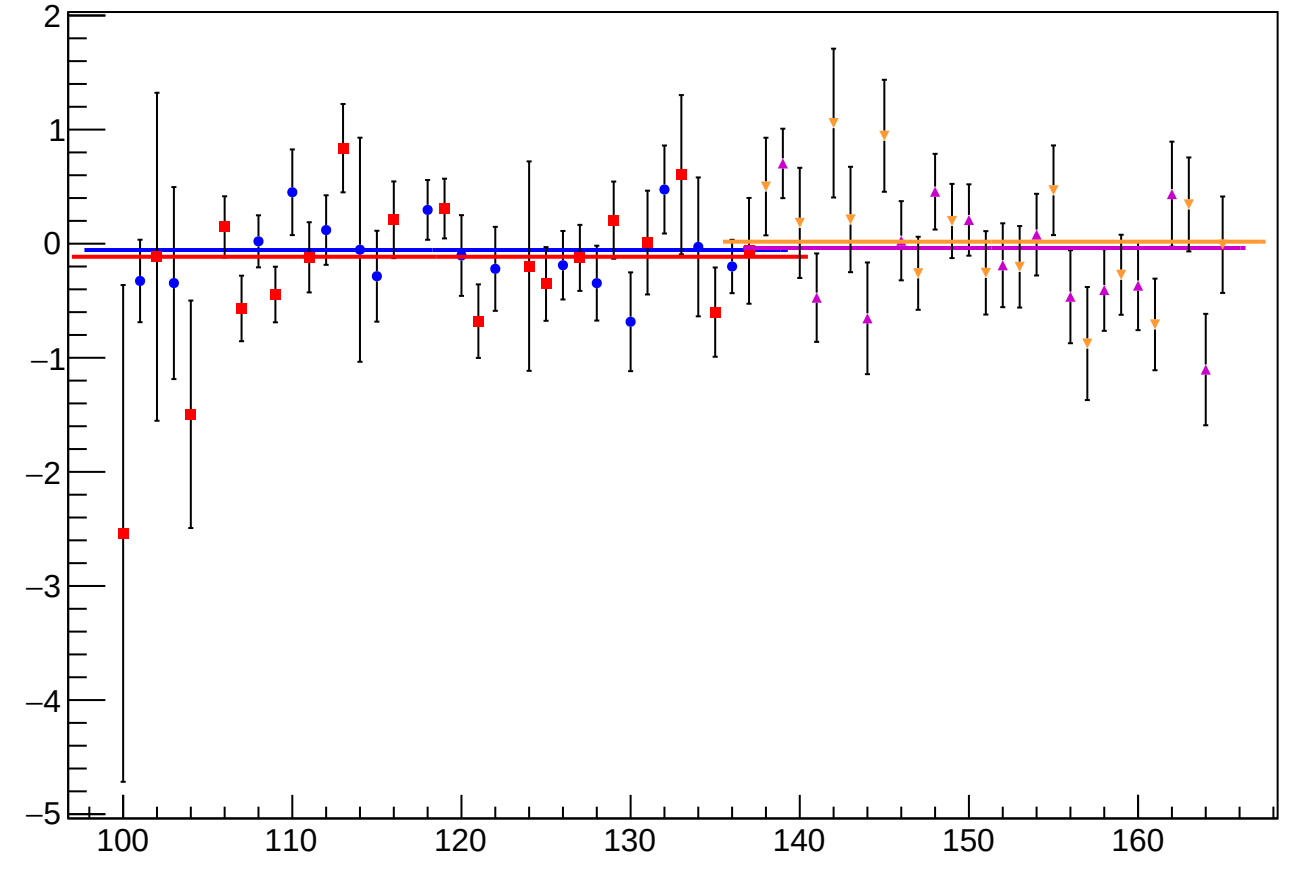
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:865790.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 3163392.8/30

All: 0.000+/-0.000 χ^2/NDF: 6129298.4/62

- sign 0.000+/-0.000 χ^2/NDF: 2912620.2/31



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.018+/-0.104 χ^2/NDF:18.8/14

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

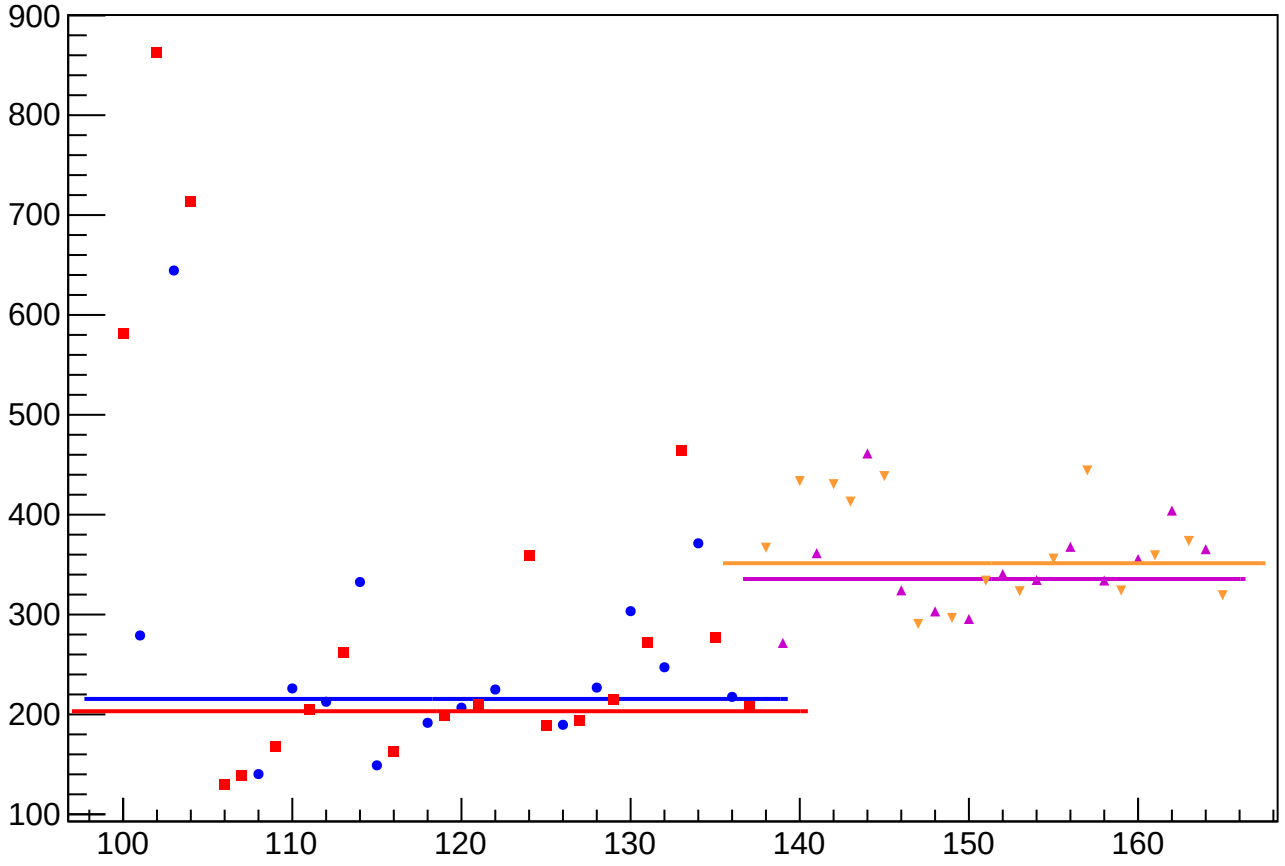
Left In: -0.038+/-0.103 χ^2/NDF:20.6/12

+ sign -0.026+/-0.066 χ^2/NDF: 29.8/30

All: -0.056+/-0.046 χ^2/NDF: 76.3/62

- sign -0.084+/-0.065 χ^2/NDF: 46.2/31

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.386+/-0.074 χ^2/NDF:435625.5/14

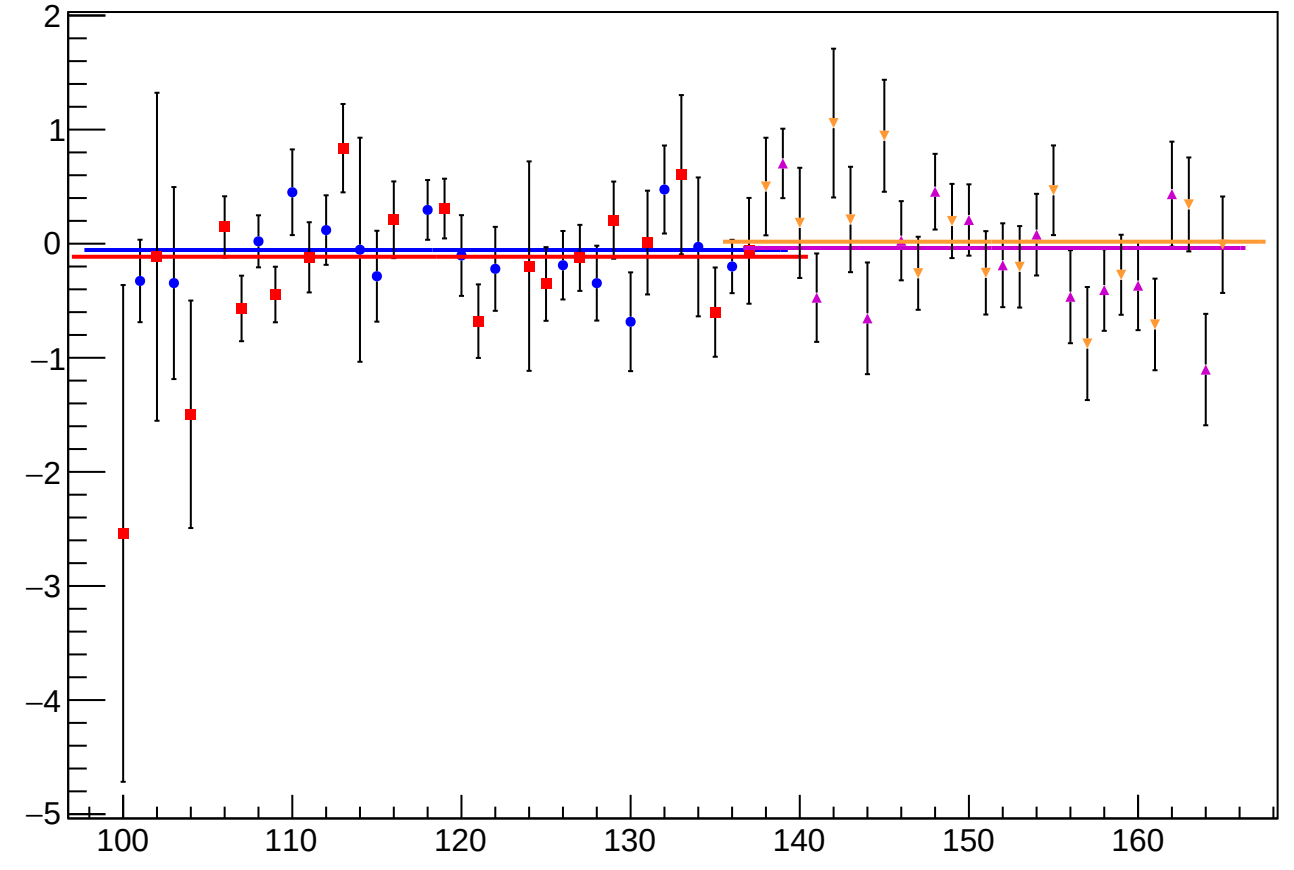
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.600+/-0.073 χ^2/NDF:353294.8/12

+ sign 270.085+/-0.047 χ^2/NDF: 3614096.7/30

All: 262.562+/-0.033 χ^2/NDF: 7846951.6/62

- sign 255.336+/-0.046 χ^2/NDF: 4182087.4/31



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.018+/-0.104 χ^2/NDF:18.8/14

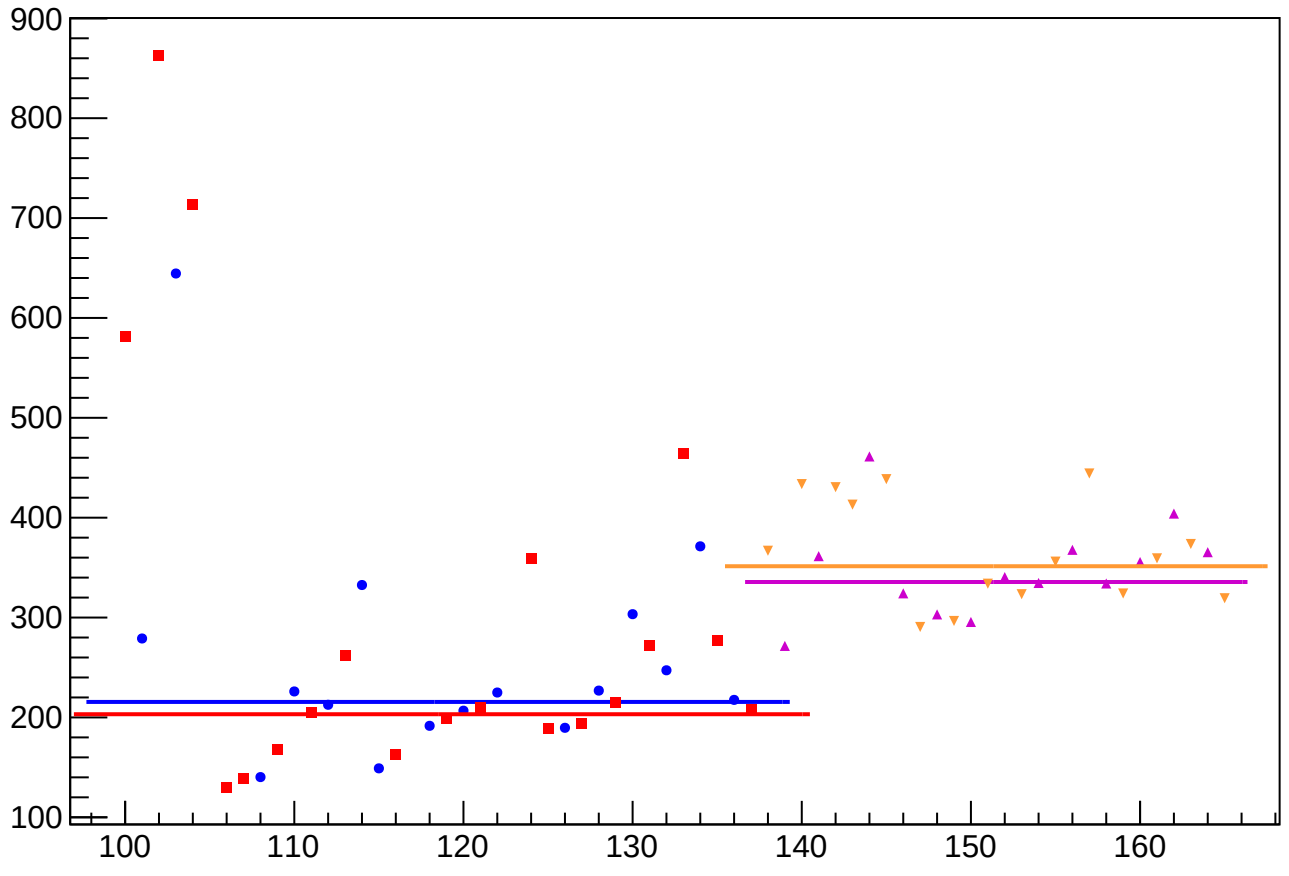
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.038+/-0.103 χ^2/NDF:20.6/12

+ sign -0.026+/-0.066 χ^2/NDF: 29.8/30

All: -0.056+/-0.046 χ^2/NDF: 76.3/62

- sign -0.084+/-0.065 χ^2/NDF: 46.2/31



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.386+/-0.074 χ^2/NDF:435625.5/14

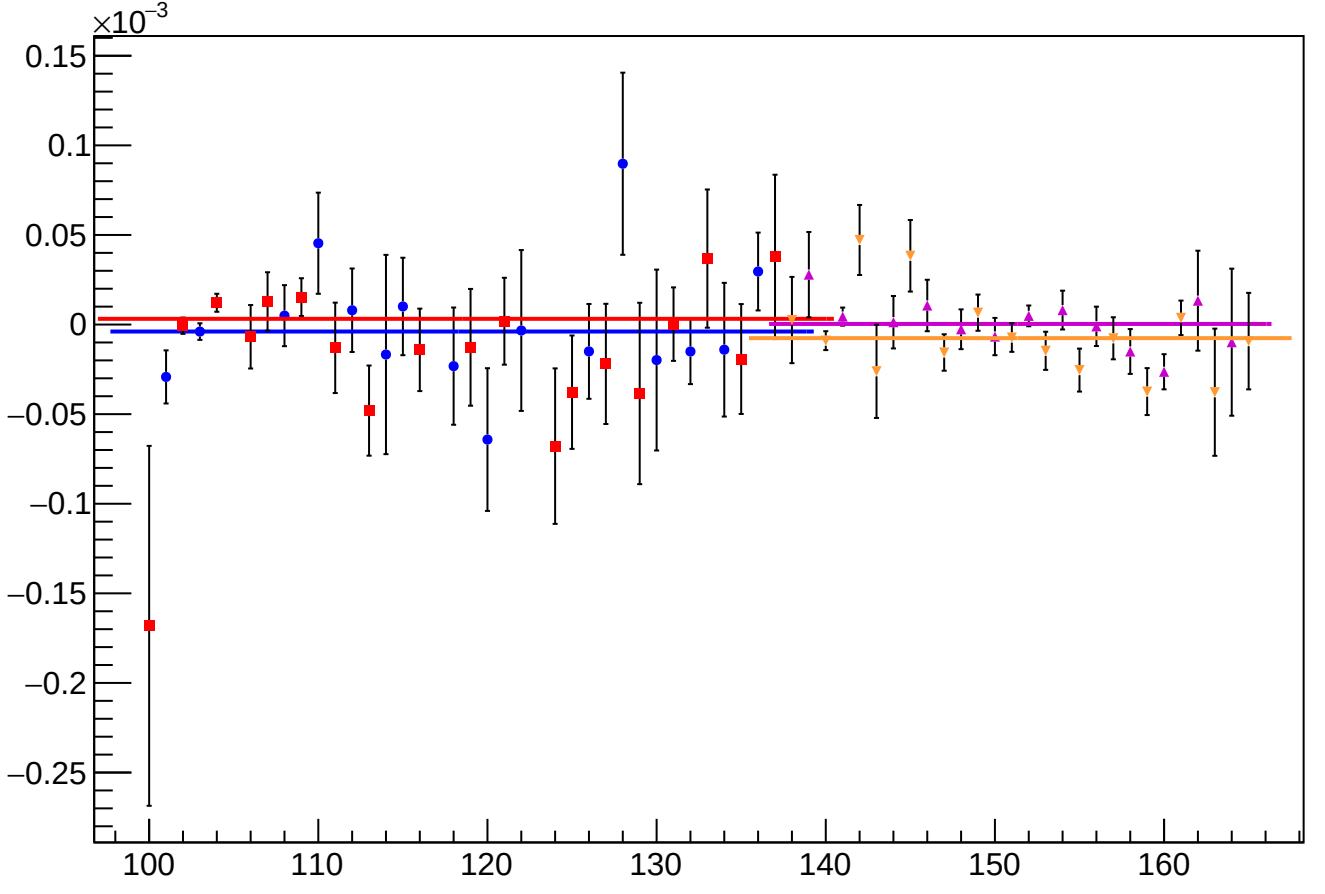
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.600+/-0.073 χ^2/NDF:353294.8/12

+ sign 270.085+/-0.047 χ^2/NDF: 3614096.7/30

All: 262.562+/-0.033 χ^2/NDF: 7846951.6/62

- sign 255.336+/-0.046 χ^2/NDF: 4182087.4/31



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/14

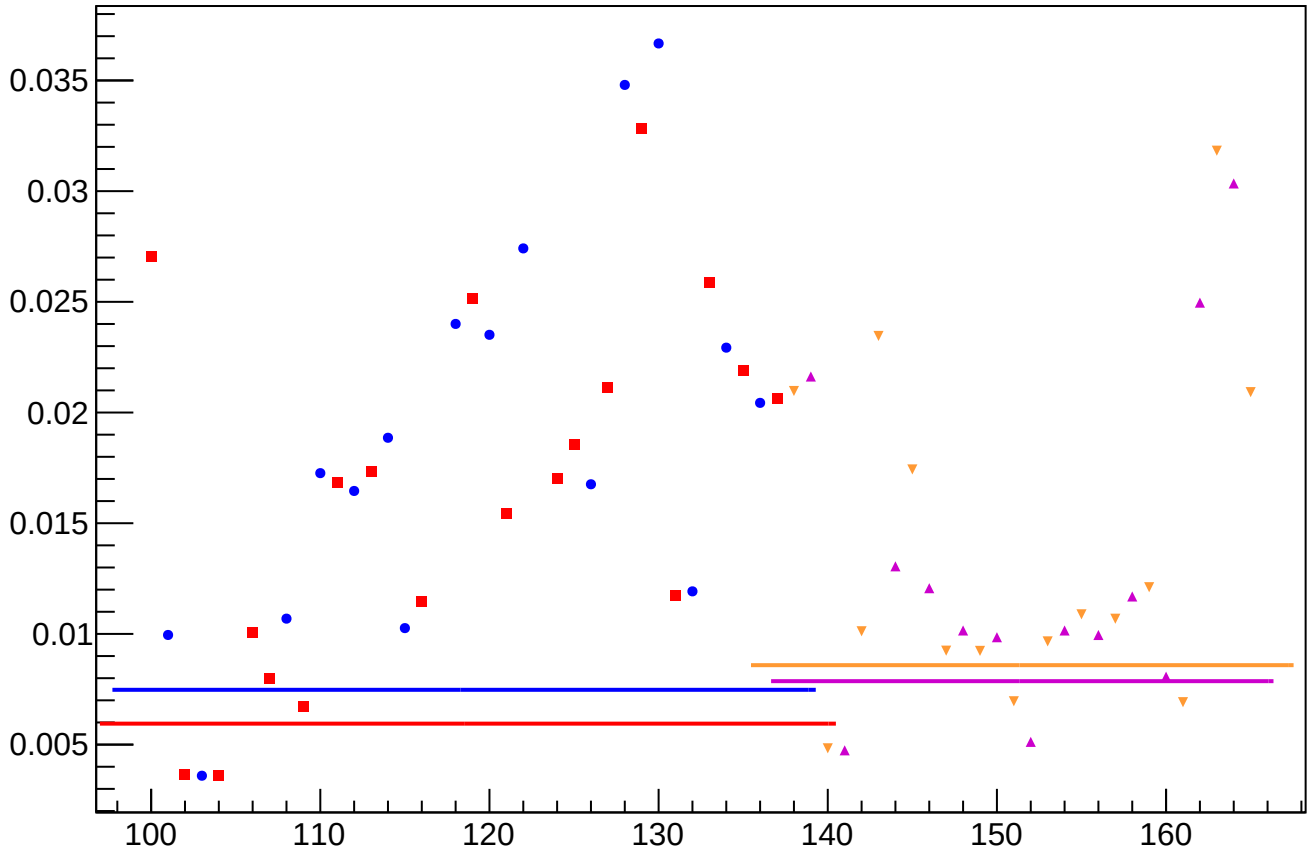
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/30

All: -0.000+/-0.000 χ^2/NDF: 85.4/62

- sign 0.000+/-0.000 χ^2/NDF: 35.5/31



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:4340315.1/14

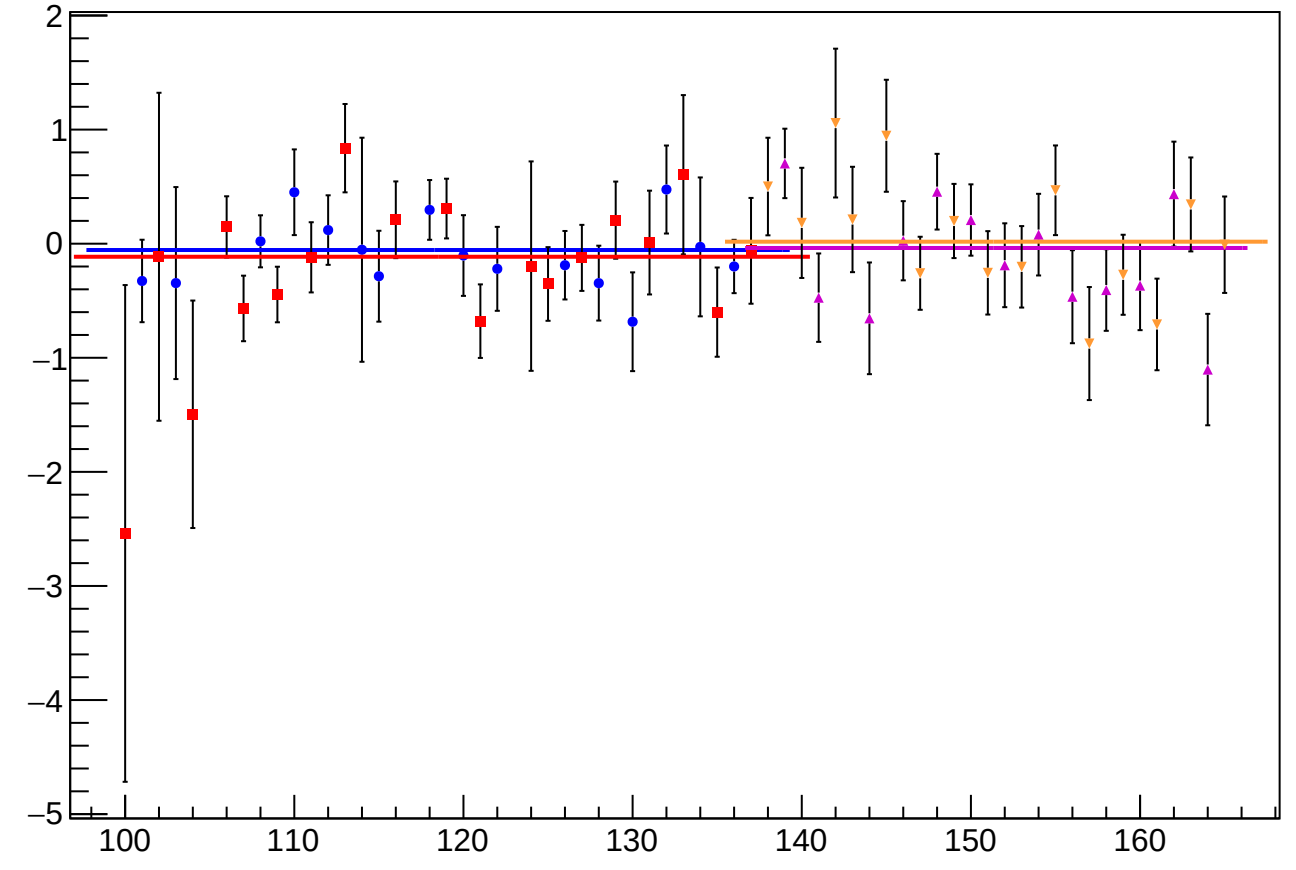
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4164991.2/12

+ sign 0.008+/-0.000 χ^2/NDF: 10526125.7/30

All: 0.007+/-0.000 χ^2/NDF: 21413446.9/62

- sign 0.007+/-0.000 χ^2/NDF: 10562249.3/31



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.018+/-0.104 χ^2/NDF:18.8/14

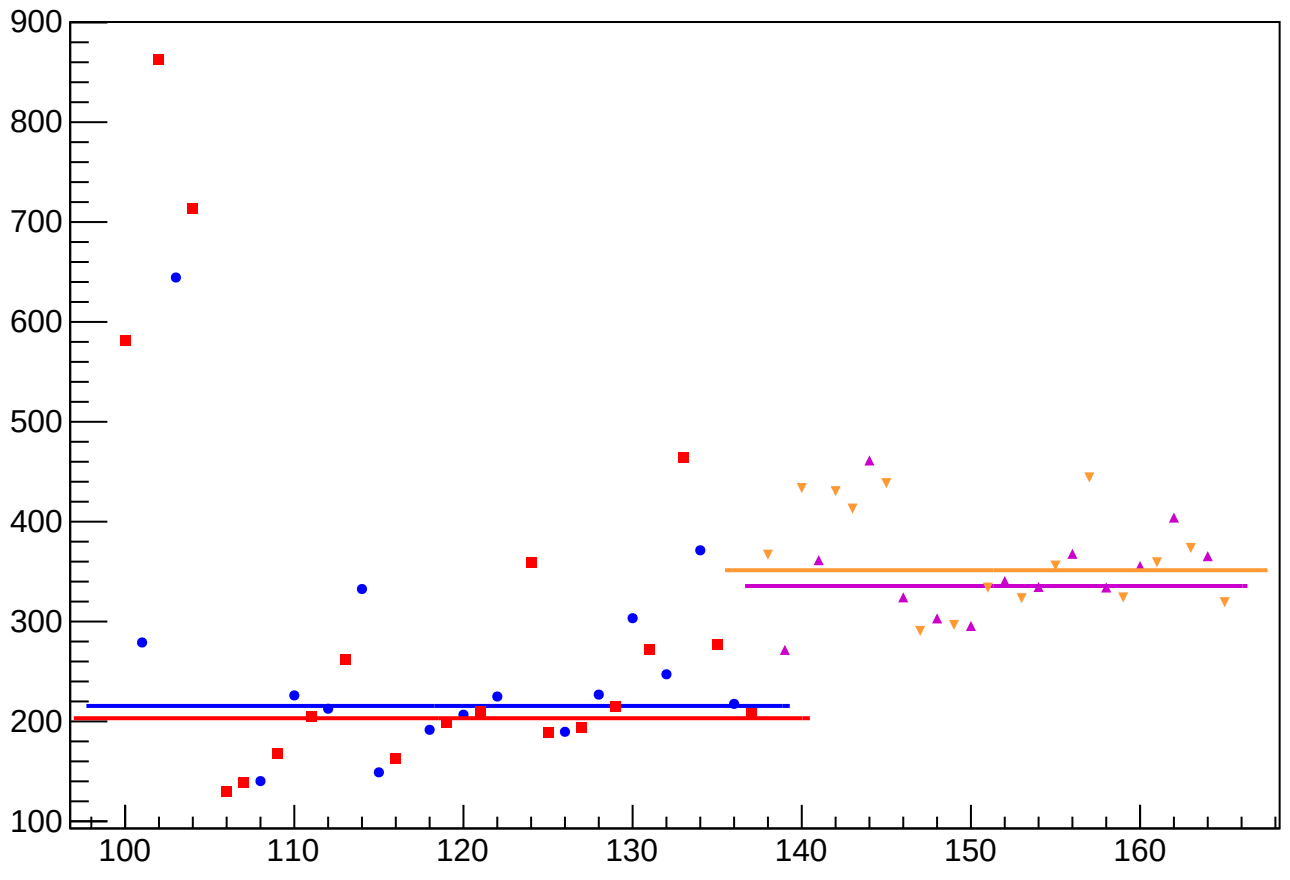
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.038+/-0.103 χ^2/NDF:20.6/12

+ sign -0.026+/-0.066 χ^2/NDF: 29.8/30

All: -0.056+/-0.046 χ^2/NDF: 76.3/62

- sign -0.084+/-0.065 χ^2/NDF: 46.2/31



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.392+/-0.074 χ^2/NDF:435617.8/14

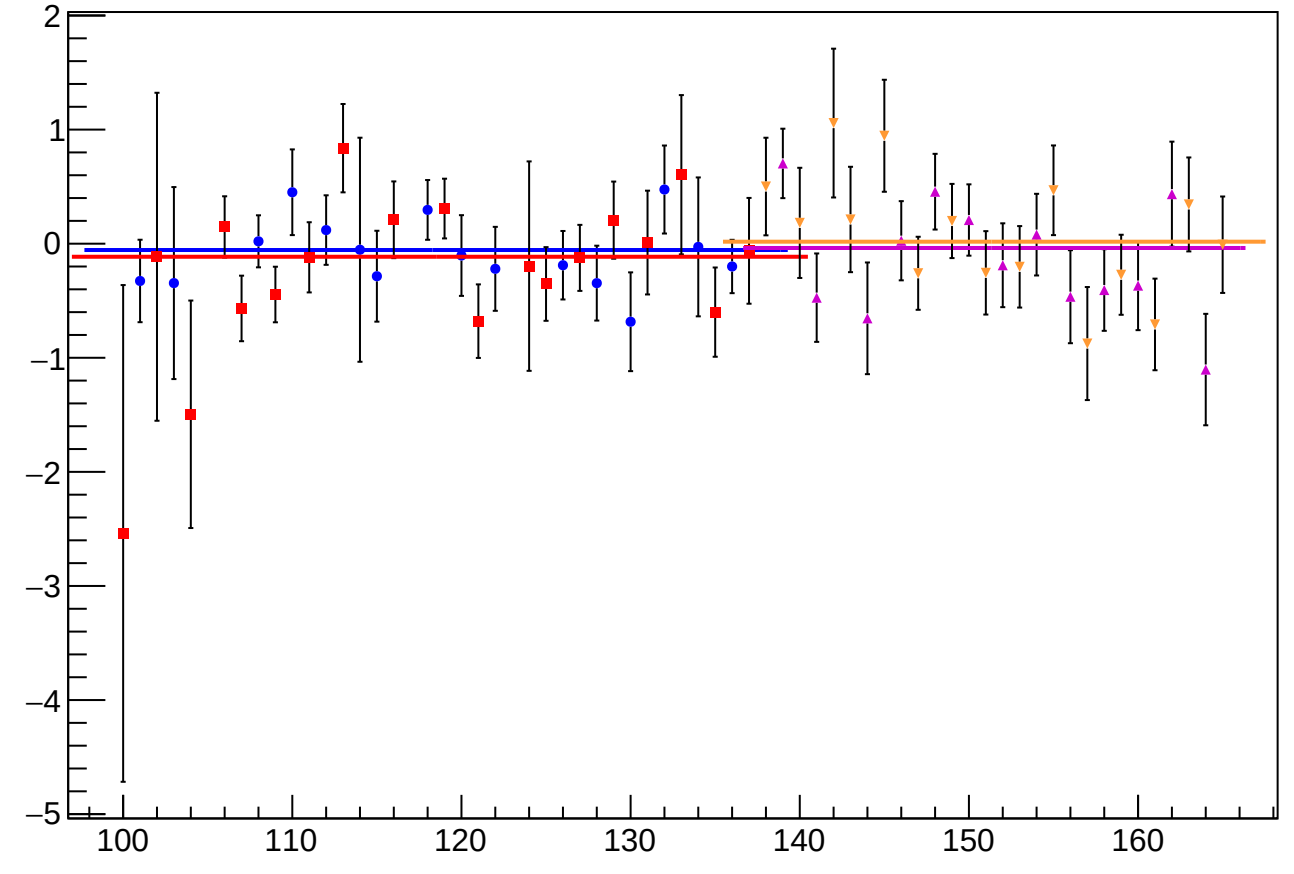
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.605+/-0.073 χ^2/NDF:353294.2/12

+ sign 270.085+/-0.047 χ^2/NDF: 3614252.9/30

All: 262.562+/-0.033 χ^2/NDF: 7847277.6/62

- sign 255.336+/-0.046 χ^2/NDF: 4182254.3/31



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.018+/-0.104 χ^2/NDF:18.8/14

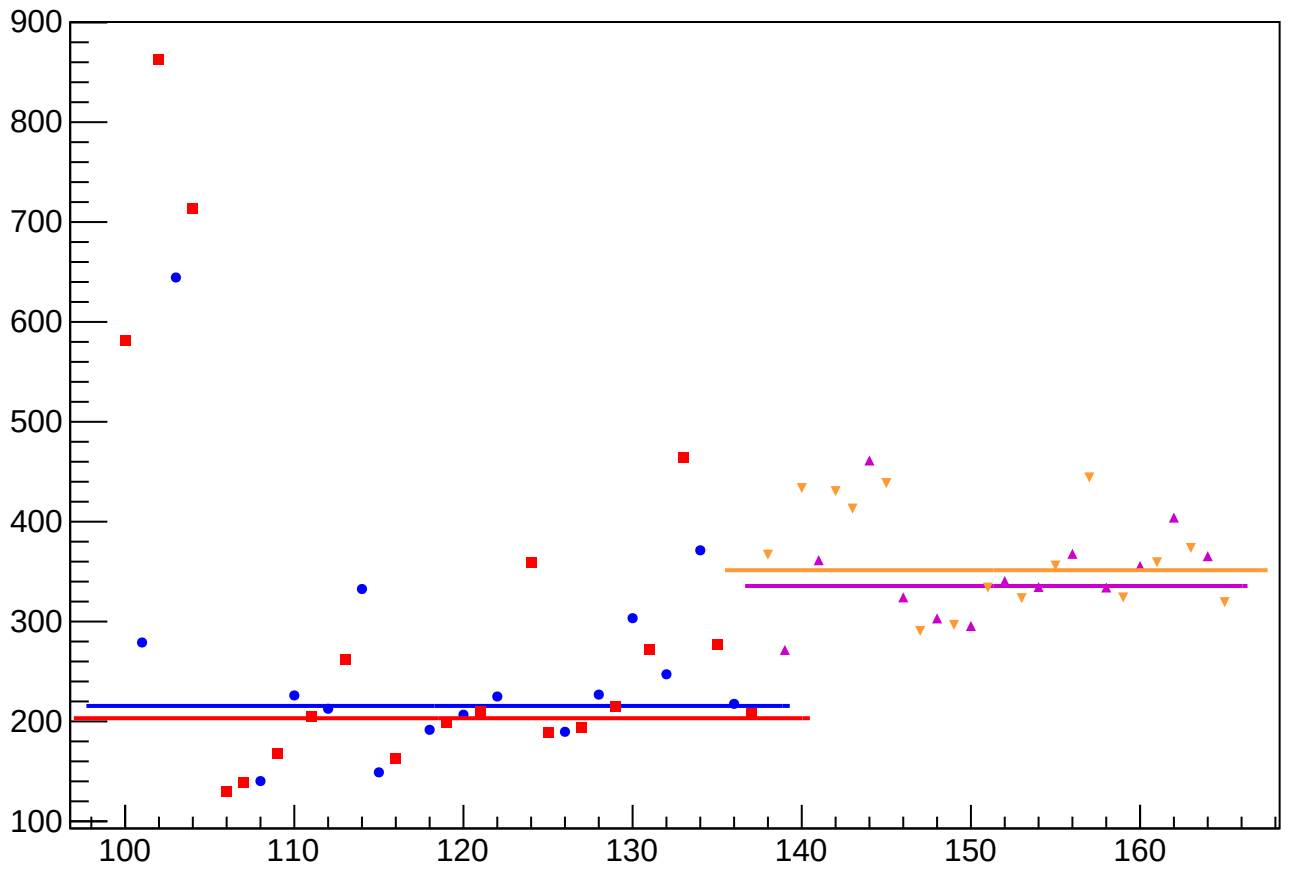
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.038+/-0.103 χ^2/NDF:20.6/12

+ sign -0.026+/-0.066 χ^2/NDF: 29.8/30

All: -0.056+/-0.046 χ^2/NDF: 76.3/62

- sign -0.084+/-0.065 χ^2/NDF: 46.2/31



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.392+/-0.074 χ^2/NDF:435617.8/14

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

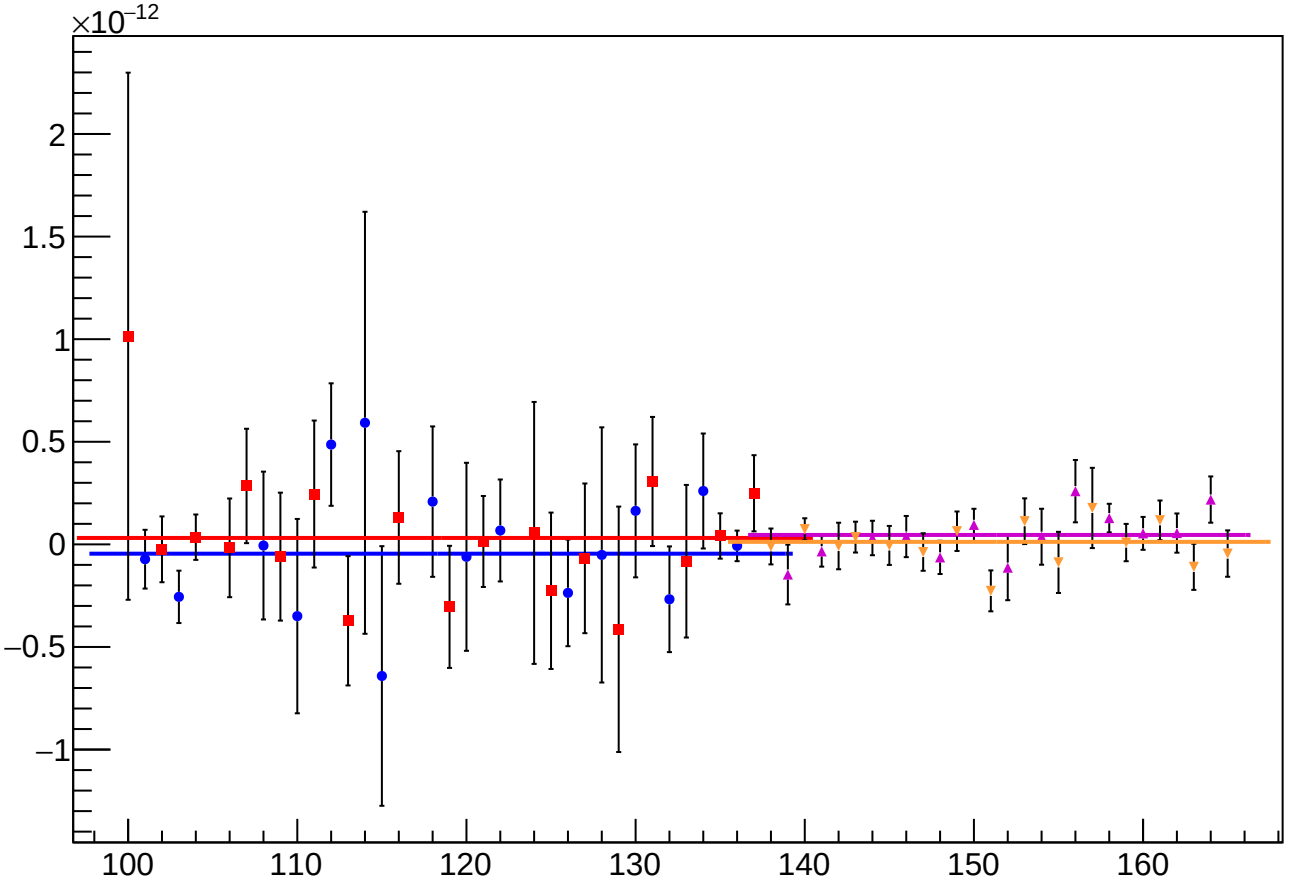
Left In: 335.605+/-0.073 χ^2/NDF:353294.2/12

+ sign 270.085+/-0.047 χ^2/NDF: 3614252.9/30

All: 262.562+/-0.033 χ^2/NDF: 7847277.6/62

- sign 255.336+/-0.046 χ^2/NDF: 4182254.3/31

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/14

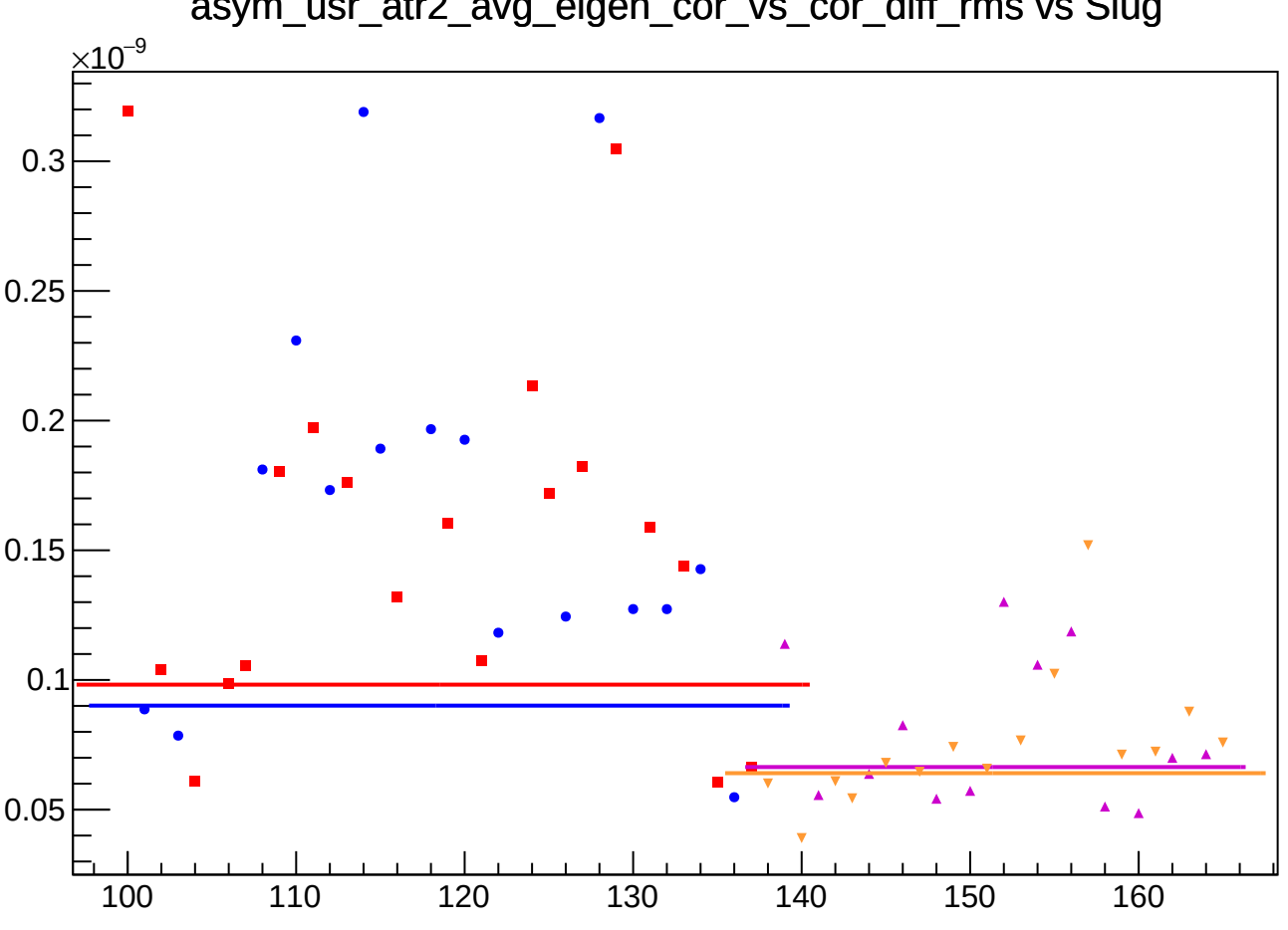
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 25.0/30

All: 0.000+/-0.000 χ^2/NDF: 47.1/62

- sign 0.000+/-0.000 χ^2/NDF: 20.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1210303.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

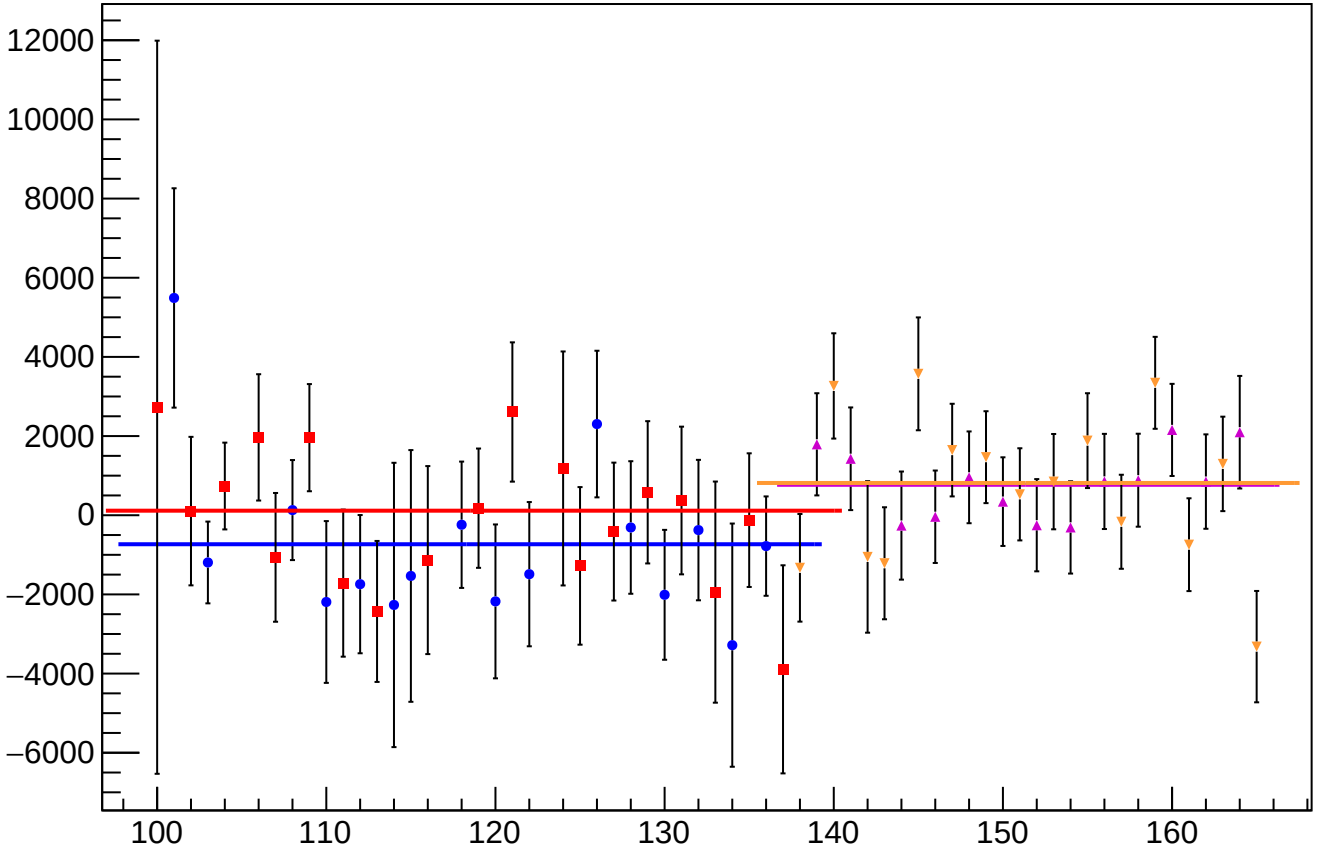
Left In: 0.000+/-0.000 χ^2/NDF:1308480.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 3458780.0/30

All: 0.000+/-0.000 χ^2/NDF: 7085676.9/62

- sign 0.000+/-0.000 χ^2/NDF: 3598358.2/31

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 815.207+/-326.970 χ^2/NDF:30.3/14

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

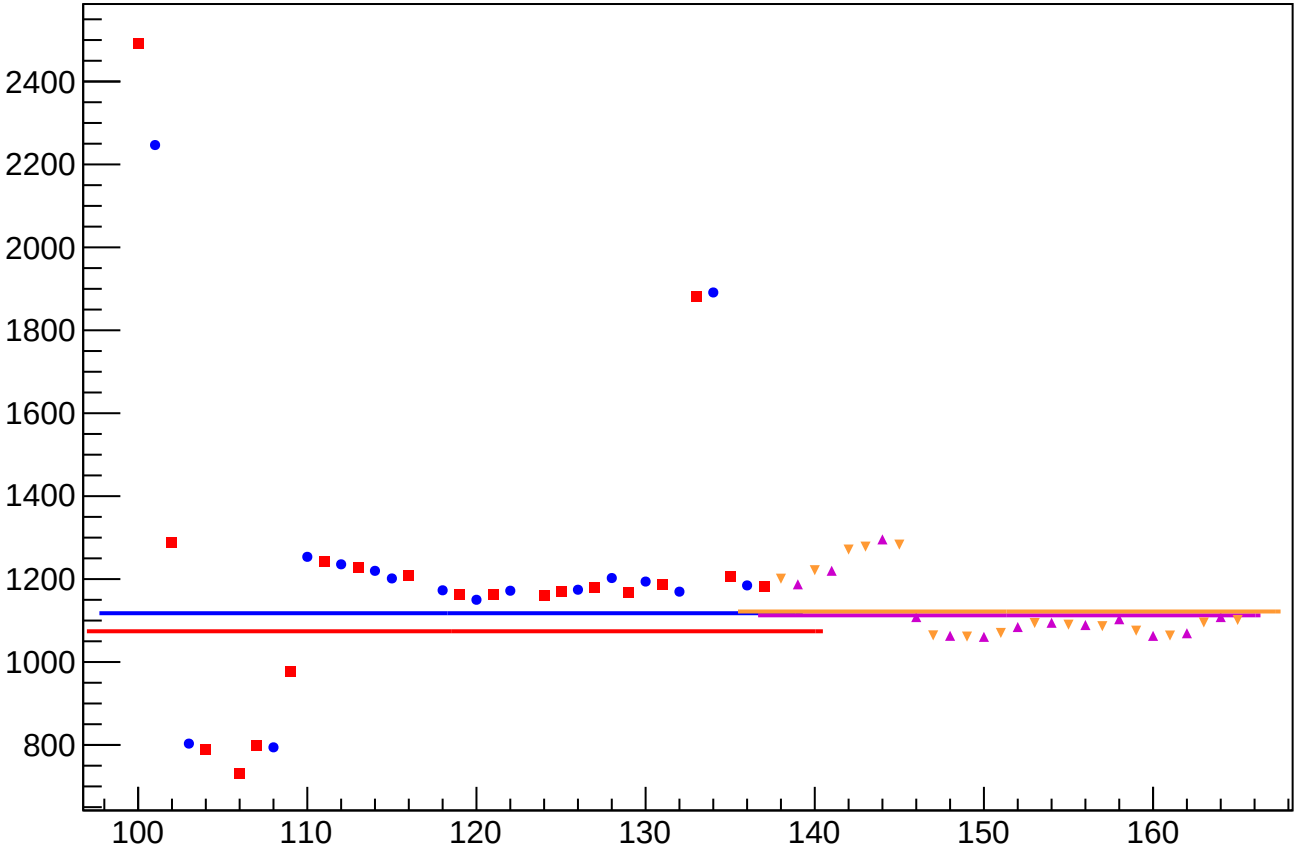
Left In: 768.695+/-336.484 χ^2/NDF:6.0/12

+ sign 243.695+/-259.688 χ^2/NDF: 50.3/30

All: 374.814+/-183.903 χ^2/NDF: 71.5/62

- sign 506.723+/-260.469 χ^2/NDF: 20.7/31

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1121.852+/-0.231 χ^2/NDF:108147.6/14

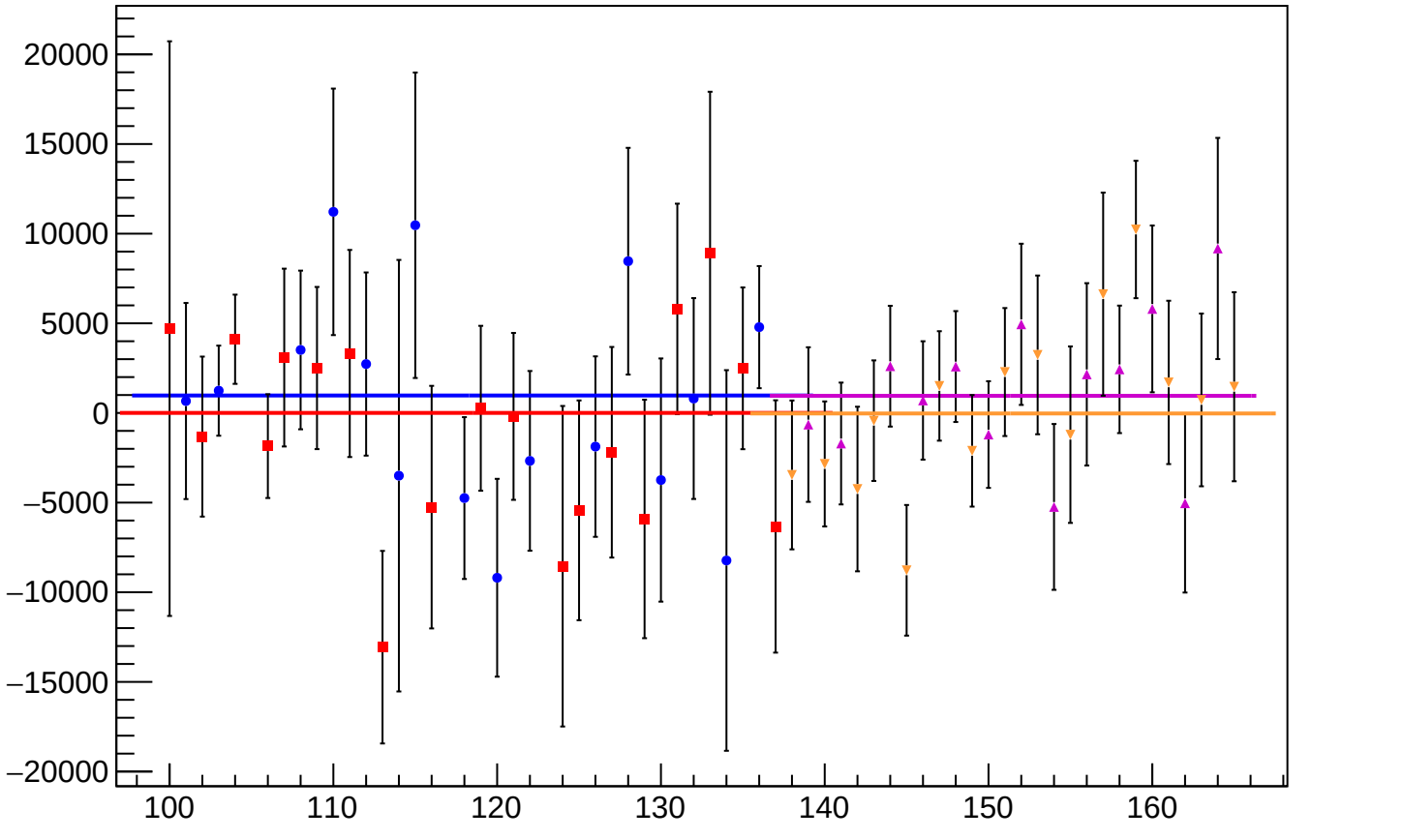
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

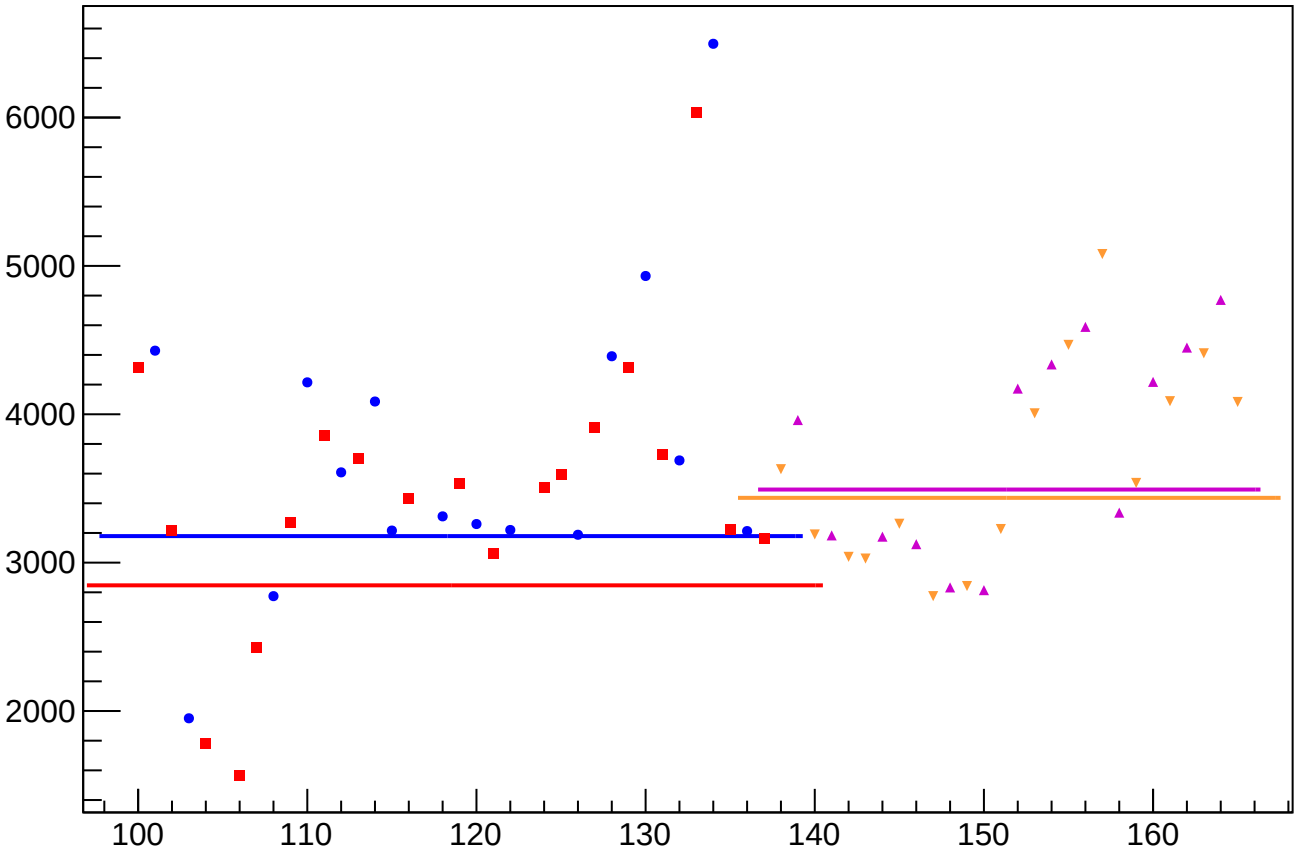
Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

+ sign 1120.313+/-0.184 χ^2/NDF: 928102.8/30

All: 1108.674+/-0.130 χ^2/NDF: 1669383.2/62

- sign 1097.043+/-0.184 χ^2/NDF: 733247.8/31


asym_usr_atr2_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -28.901+/-1020.867 χ²/NDF:18.5/14
Right Out: 2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: 957.131+/-1075.381 χ²/NDF:8.9/12
+ sign 378.983+/-786.264 χ²/NDF: 32.7/30
All: 438.838+/-551.465 χ²/NDF: 58.6/62
- sign 496.791+/-773.667 χ²/NDF: 25.9/31



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3436.724+/-0.722 χ^2/NDF:681024.4/14

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

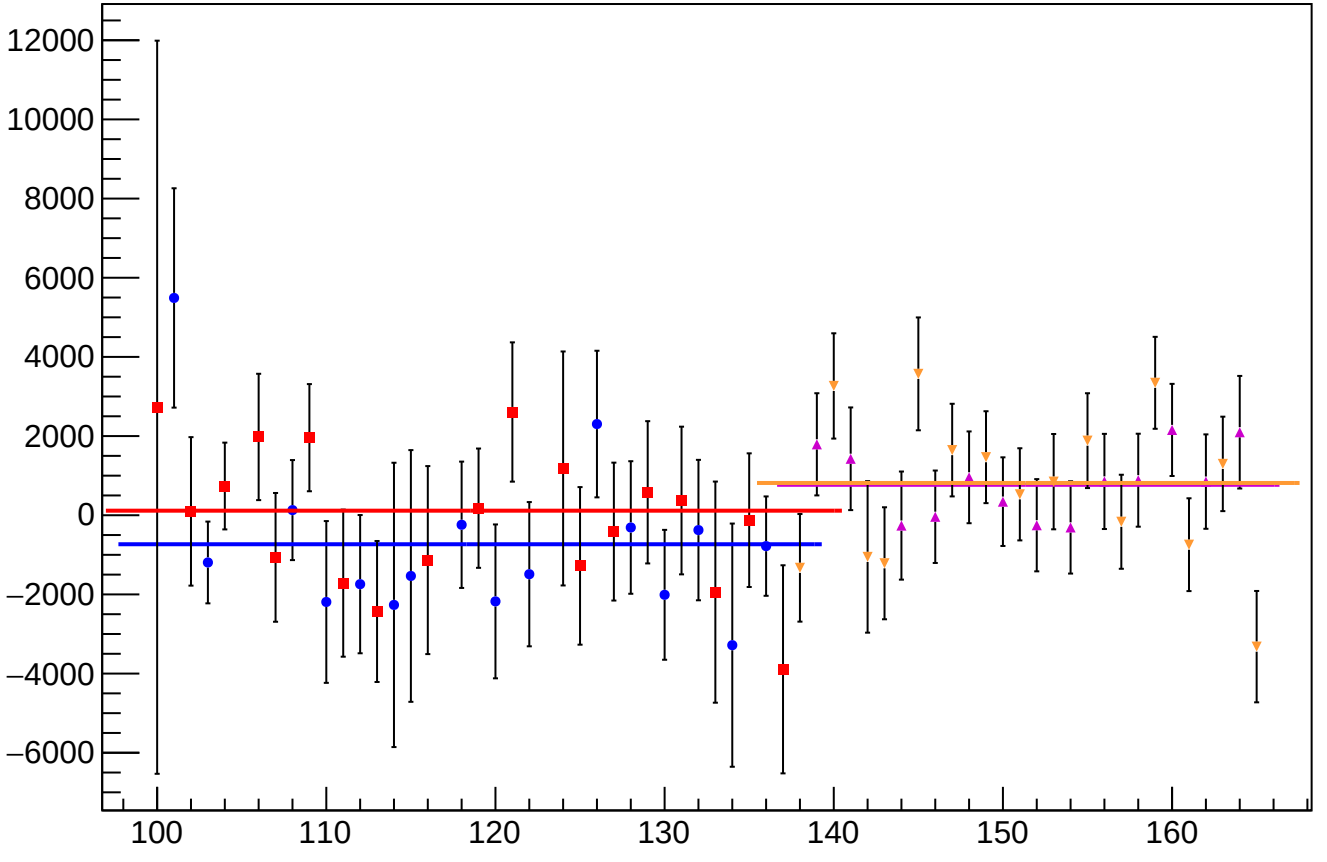
Left In: 3492.691+/-0.760 χ^2/NDF:695233.7/12

+ sign 3331.828+/-0.556 χ^2/NDF: 1824607.9/30

All: 3255.302+/-0.390 χ^2/NDF: 4416109.0/62

- sign 3181.209+/-0.547 χ^2/NDF: 2554212.3/31

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 815.283+/-326.970 χ^2/NDF:30.3/14

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

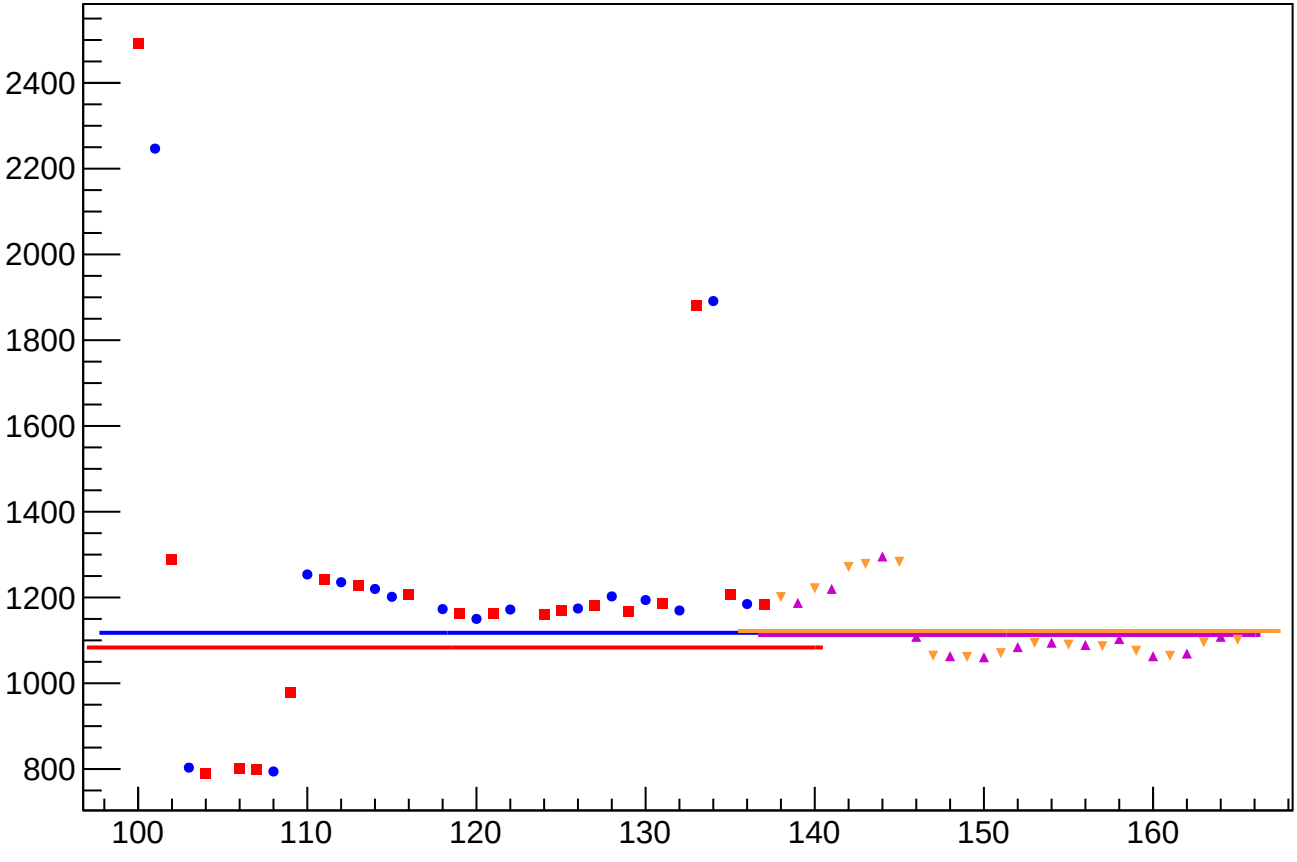
Left In: 768.688+/-336.484 χ^2/NDF:6.0/12

+ sign 243.767+/-259.688 χ^2/NDF: 50.3/30

All: 374.903+/-183.903 χ^2/NDF: 71.5/62

- sign 506.829+/-260.471 χ^2/NDF: 20.7/31

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1121.852+/-0.231 χ^2/NDF:108147.6/14

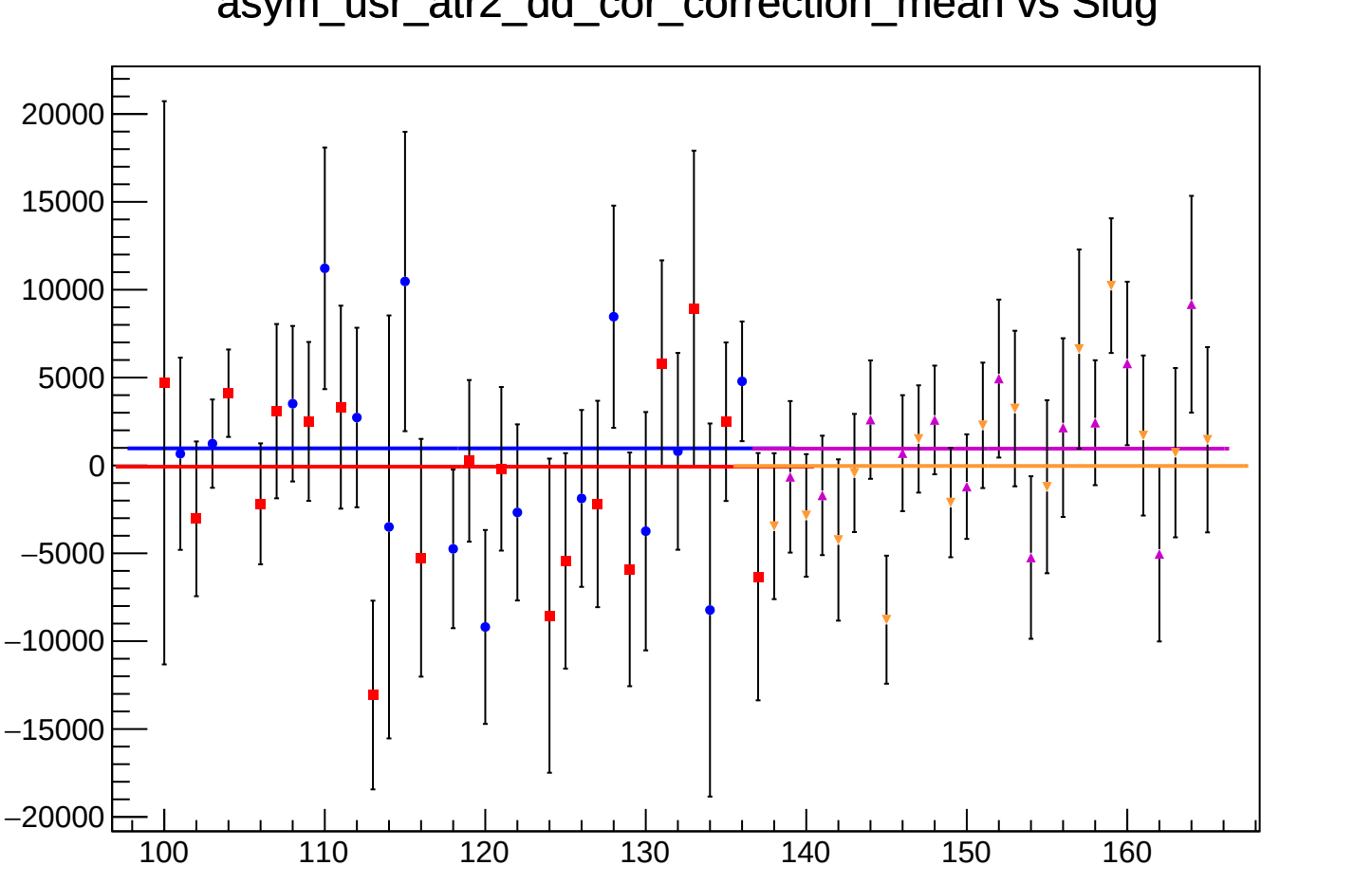
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

+ sign 1120.313+/-0.184 χ^2/NDF: 928099.3/30

All: 1110.622+/-0.130 χ^2/NDF: 1607907.1/62

- sign 1100.886+/-0.184 χ^2/NDF: 674223.8/31



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -28.924+/-1020.865 χ^2/NDF:18.5/14

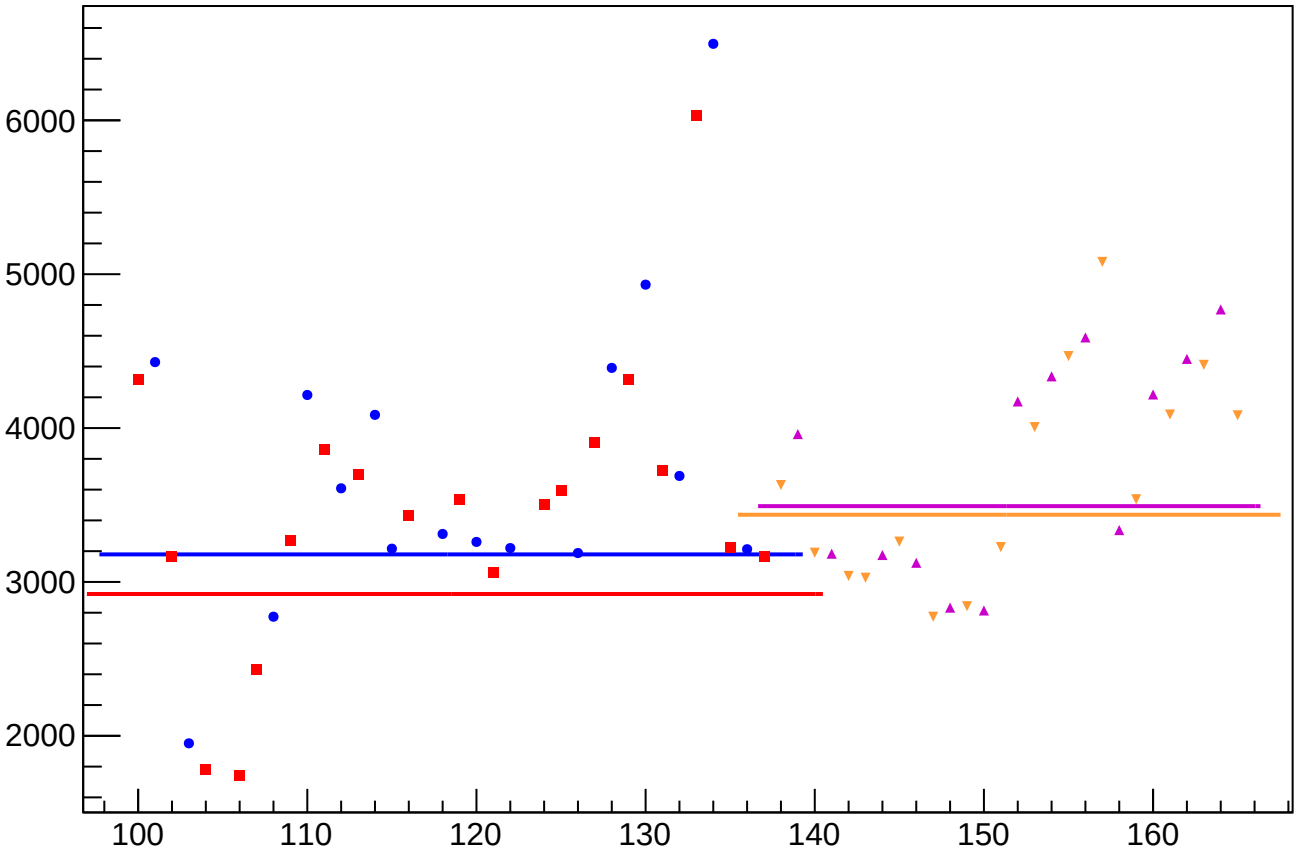
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 957.144+/-1075.381 χ^2/NDF:8.9/12

\+ sign 378.746+/-786.276 χ^2/NDF: 32.7/30

All: 426.619+/-554.311 χ^2/NDF: 59.0/62

\- sign 473.921+/-781.574 χ^2/NDF: 26.3/31



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3436.719+/-0.722 χ^2/NDF:681026.1/14

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

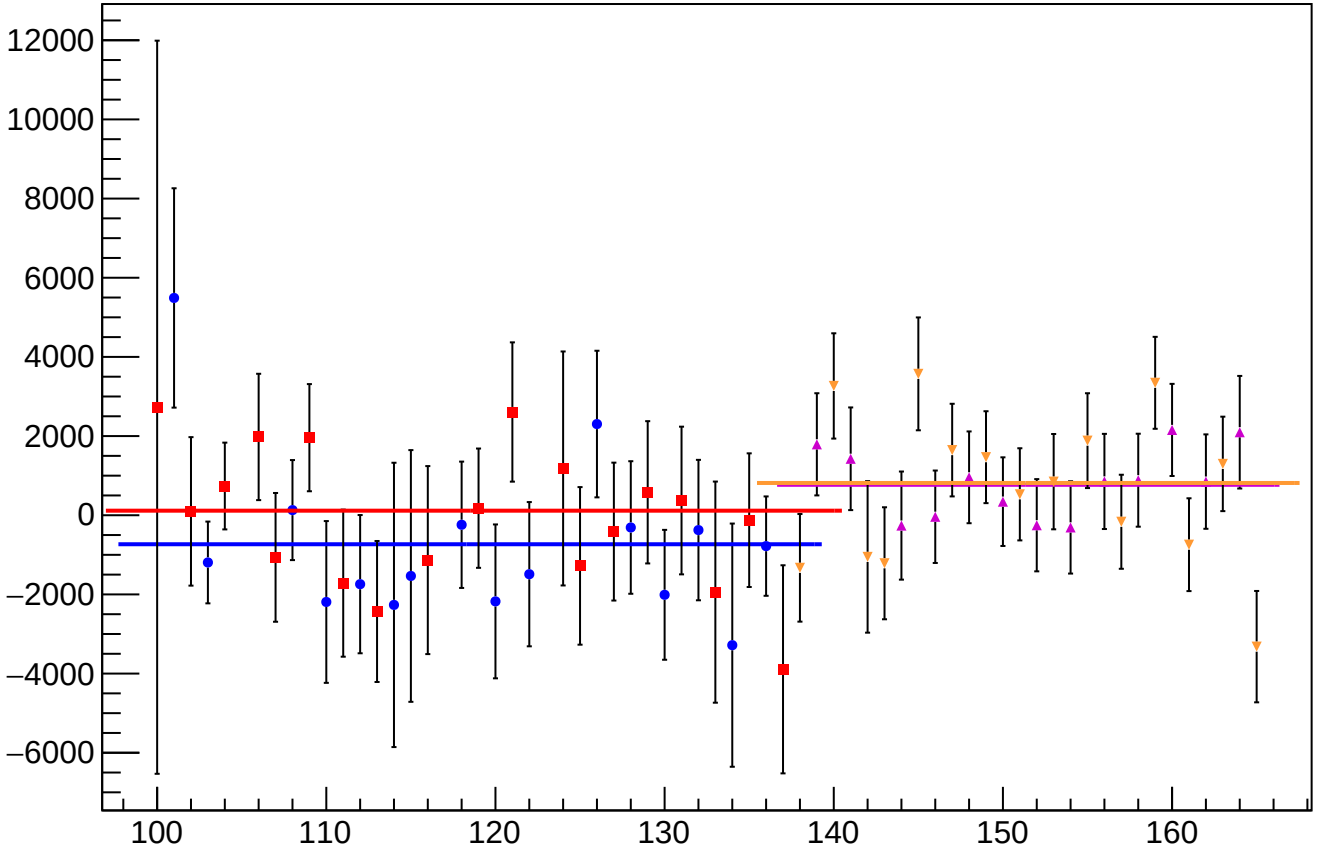
Left In: 3492.691+/-0.760 χ^2/NDF:695237.2/12

+ sign 3331.905+/-0.556 χ^2/NDF: 1824090.8/30

All: 3277.268+/-0.392 χ^2/NDF: 4117485.3/62

- sign 3223.281+/-0.553 χ^2/NDF: 2274194.7/31

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 815.283+/-326.970 χ^2/NDF:30.3/14

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

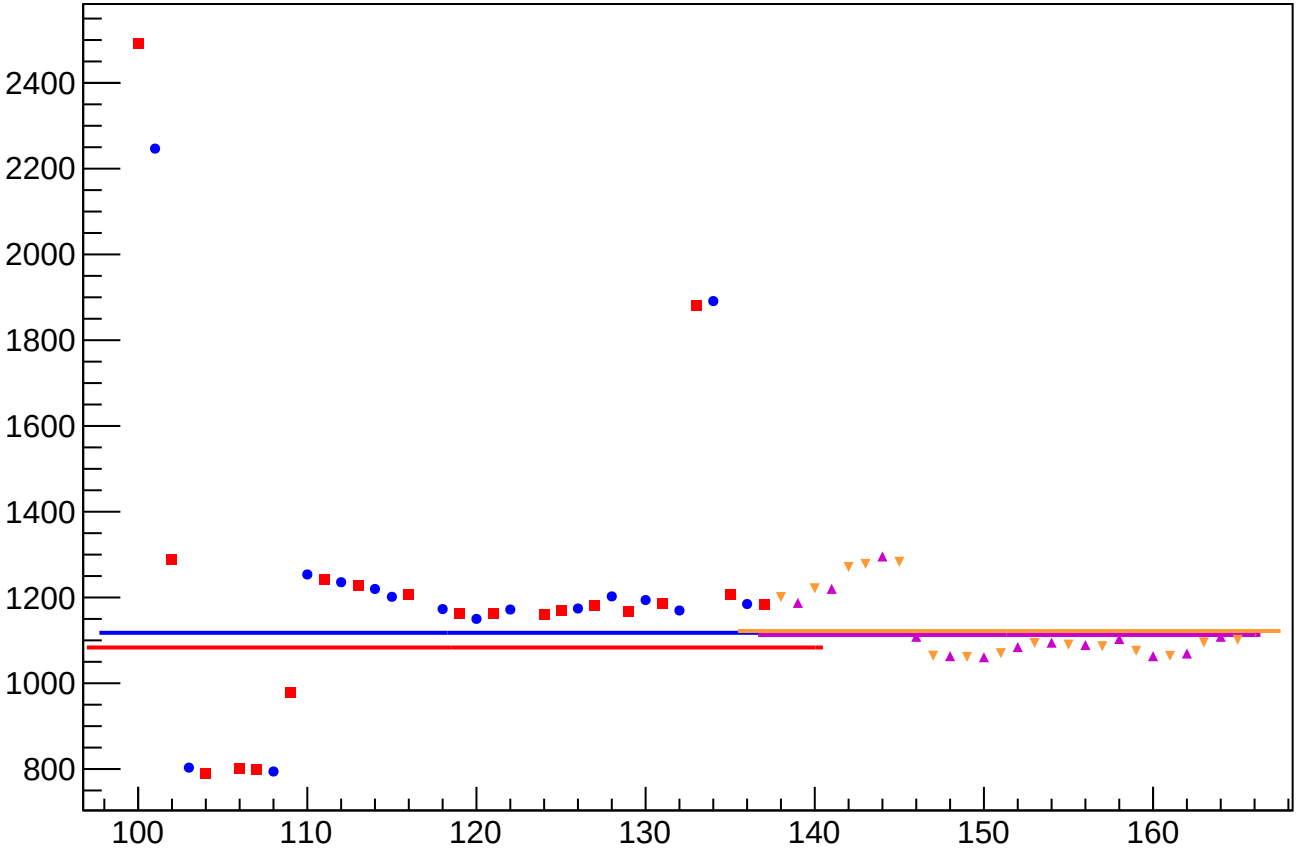
Left In: 768.688+/-336.484 χ^2/NDF:6.0/12

+ sign 243.767+/-259.688 χ^2/NDF: 50.3/30

All: 374.903+/-183.903 χ^2/NDF: 71.5/62

- sign 506.829+/-260.471 χ^2/NDF: 20.7/31

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1121.852+/-0.231 χ^2/NDF:108147.6/14

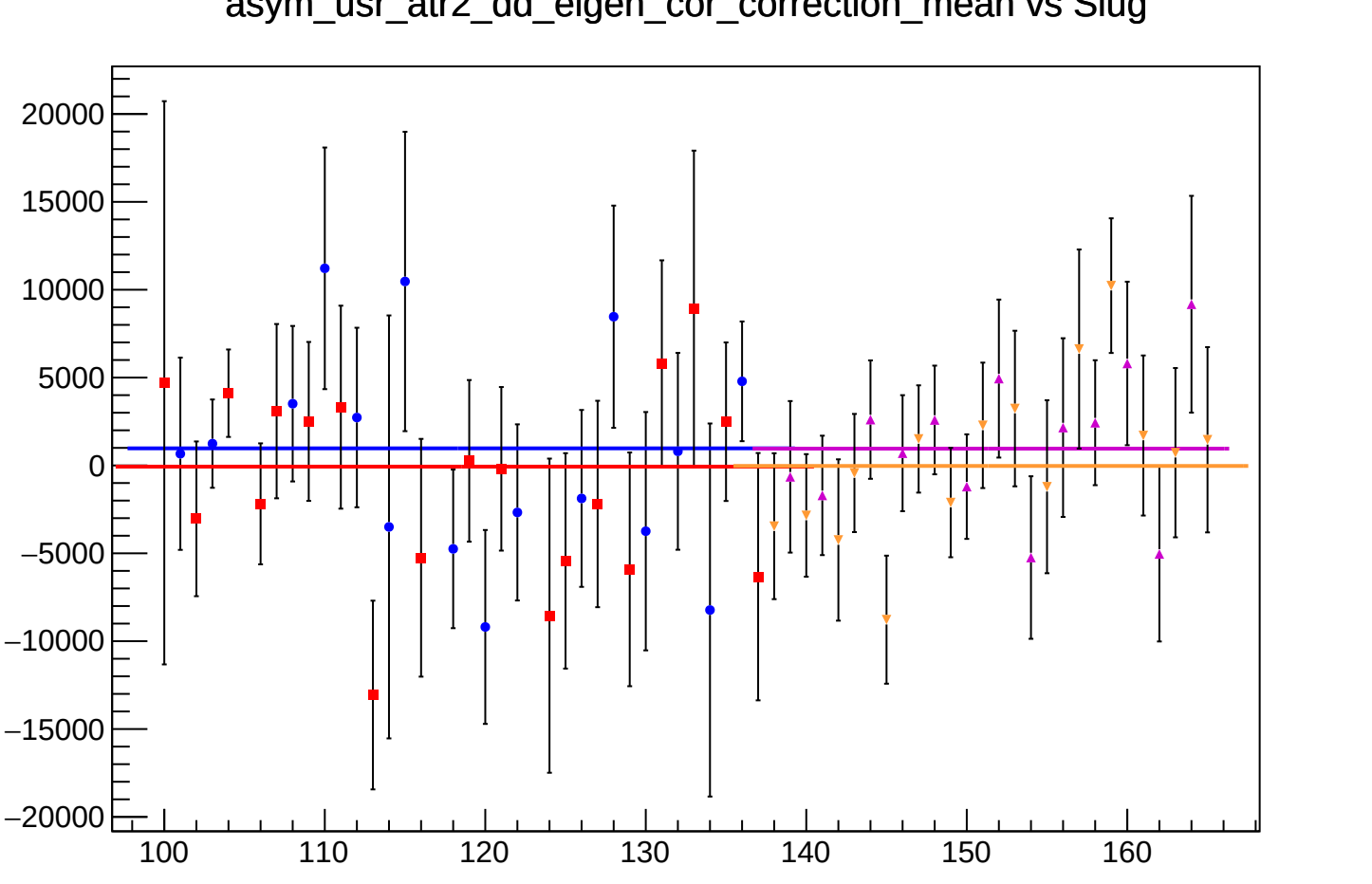
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

+ sign 1120.313+/-0.184 χ^2/NDF: 928099.3/30

All: 1110.622+/-0.130 χ^2/NDF: 1607907.1/62

- sign 1100.886+/-0.184 χ^2/NDF: 674223.8/31



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -28.924+/-1020.865 χ^2/NDF:18.5/14

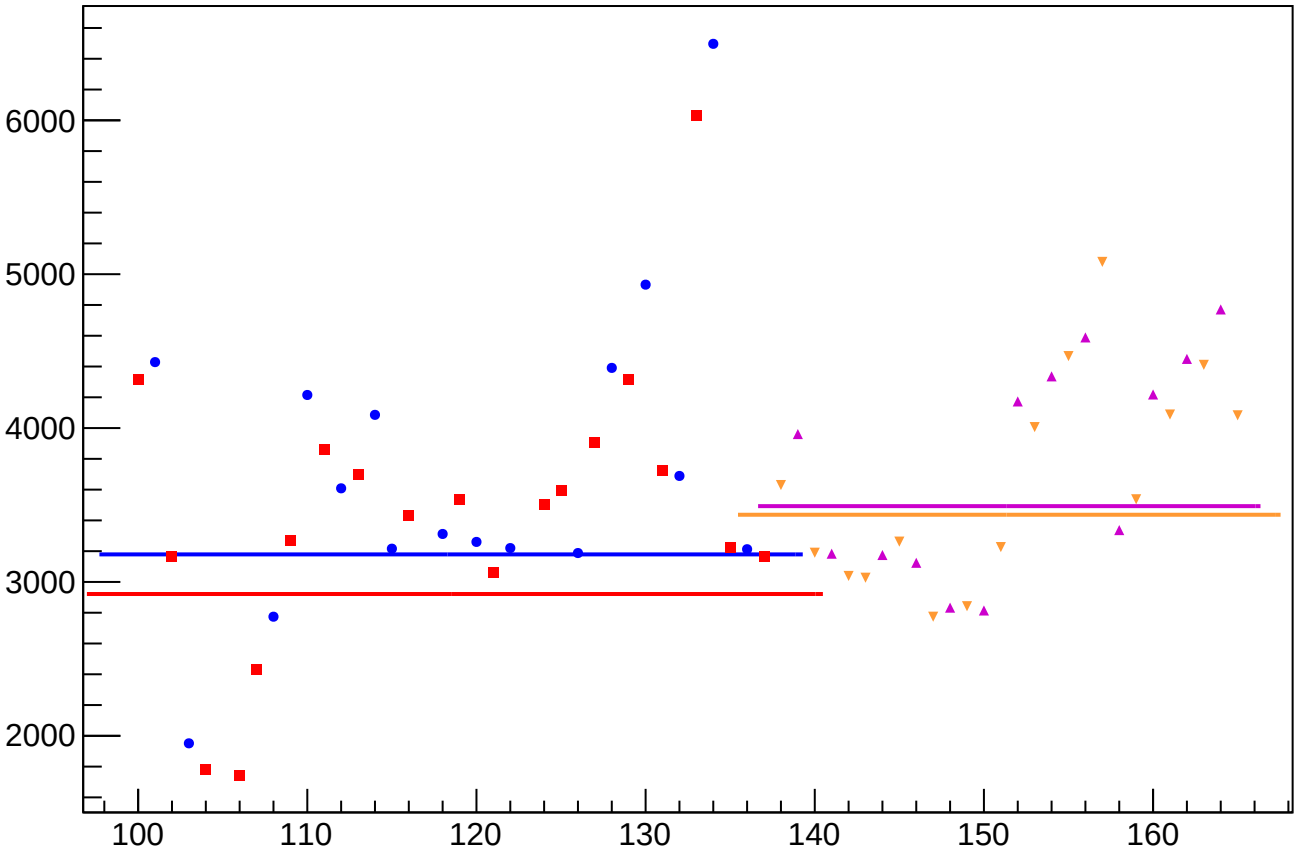
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 957.144+/-1075.381 χ^2/NDF:8.9/12

+ sign 378.746+/-786.276 χ^2/NDF: 32.7/30

All: 426.619+/-554.311 χ^2/NDF: 59.0/62

- sign 473.921+/-781.574 χ^2/NDF: 26.3/31



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3436.719+/-0.722 χ^2/NDF:681026.1/14

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

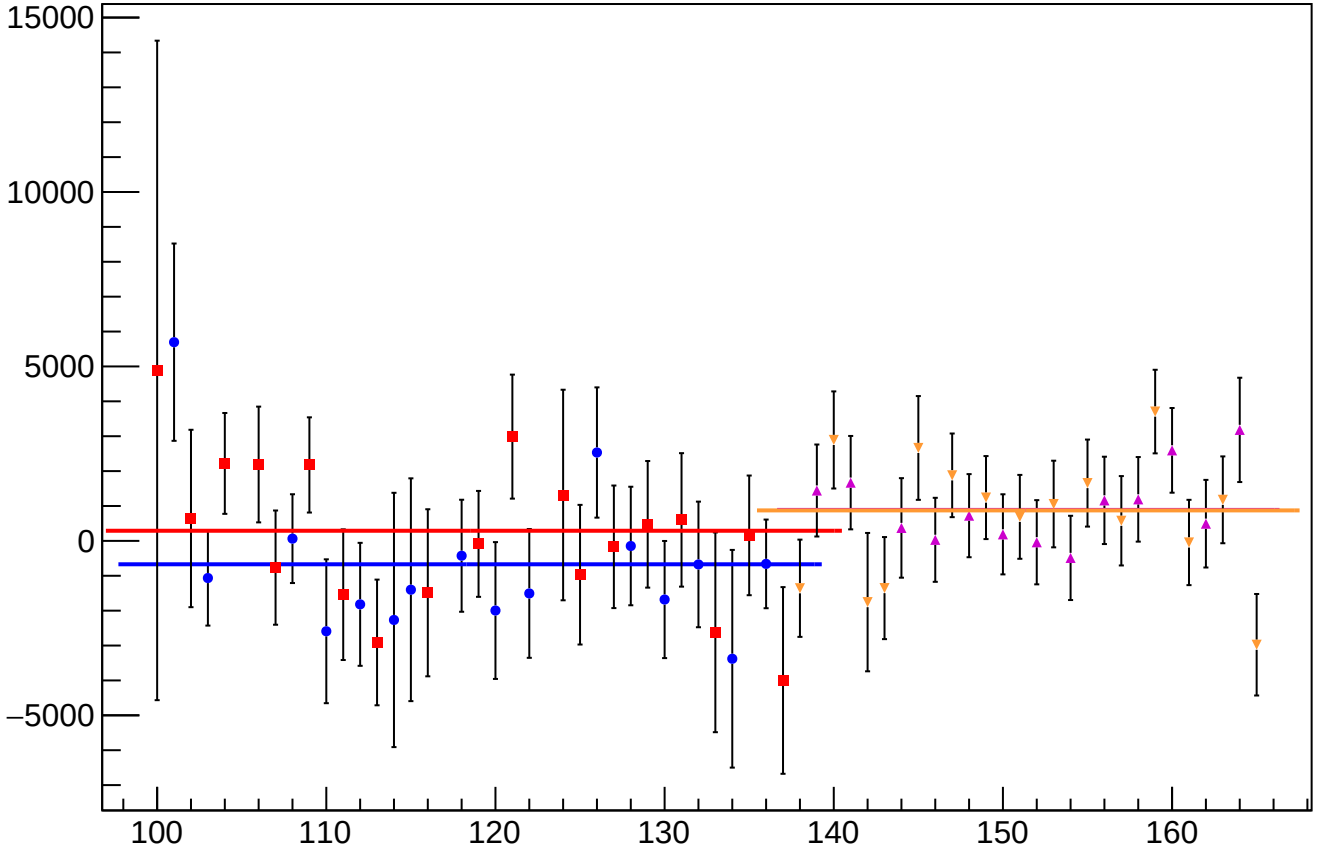
Left In: 3492.691+/-0.760 χ^2/NDF:695237.2/12

\+ sign 3331.905+/-0.556 χ^2/NDF: 1824090.8/30

All: 3277.268+/-0.392 χ^2/NDF: 4117485.3/62

\- sign 3223.281+/-0.553 χ^2/NDF: 2274194.7/31

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 873.685+/-339.336 χ^2/NDF:24.7/14

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

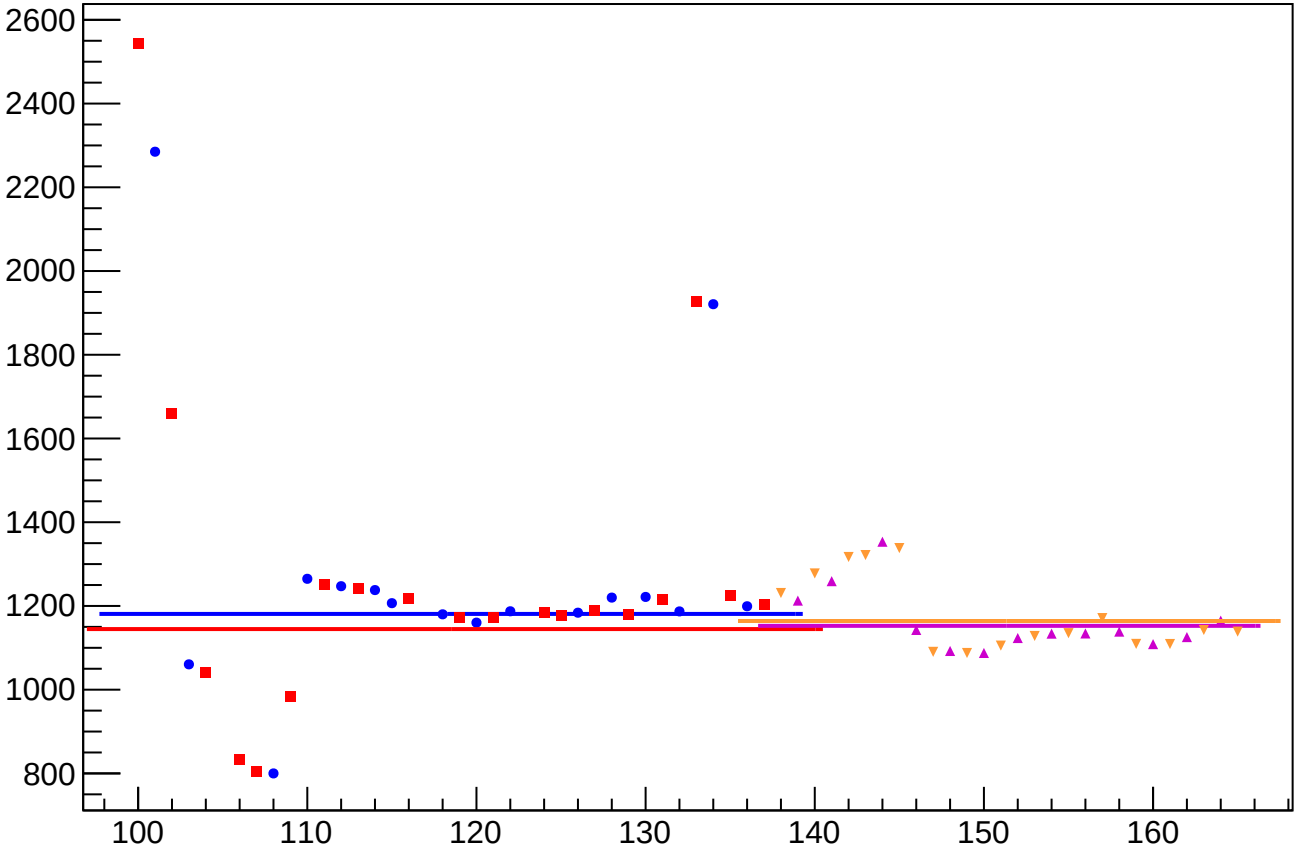
Left In: 887.535+/-348.579 χ^2/NDF:8.0/12

+ sign 311.411+/-270.609 χ^2/NDF: 44.1/30

All: 481.717+/-191.796 χ^2/NDF: 71.0/62

- sign 653.622+/-271.877 χ^2/NDF: 26.1/31

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1164.053+/-0.240 χ^2/NDF:113264.5/14

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

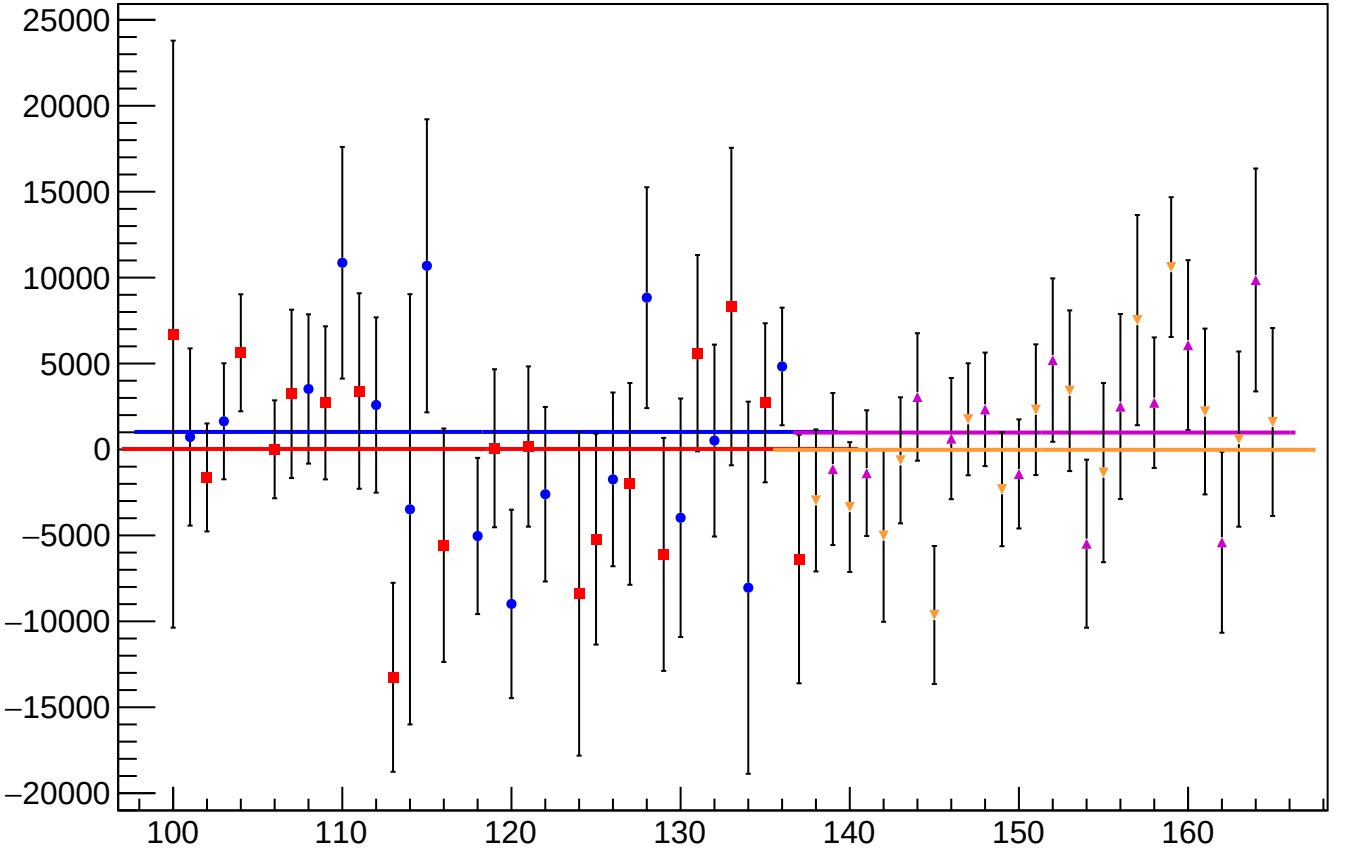
Left In: 1152.502+/-0.246 χ^2/NDF:74102.0/12

+ sign 1170.206+/-0.191 χ^2/NDF: 736949.6/30

All: 1159.887+/-0.136 χ^2/NDF: 1315010.1/62

- sign 1149.475+/-0.192 χ^2/NDF: 572217.6/31

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -18.984+/-1088.655 χ^2/NDF:18.5/14

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

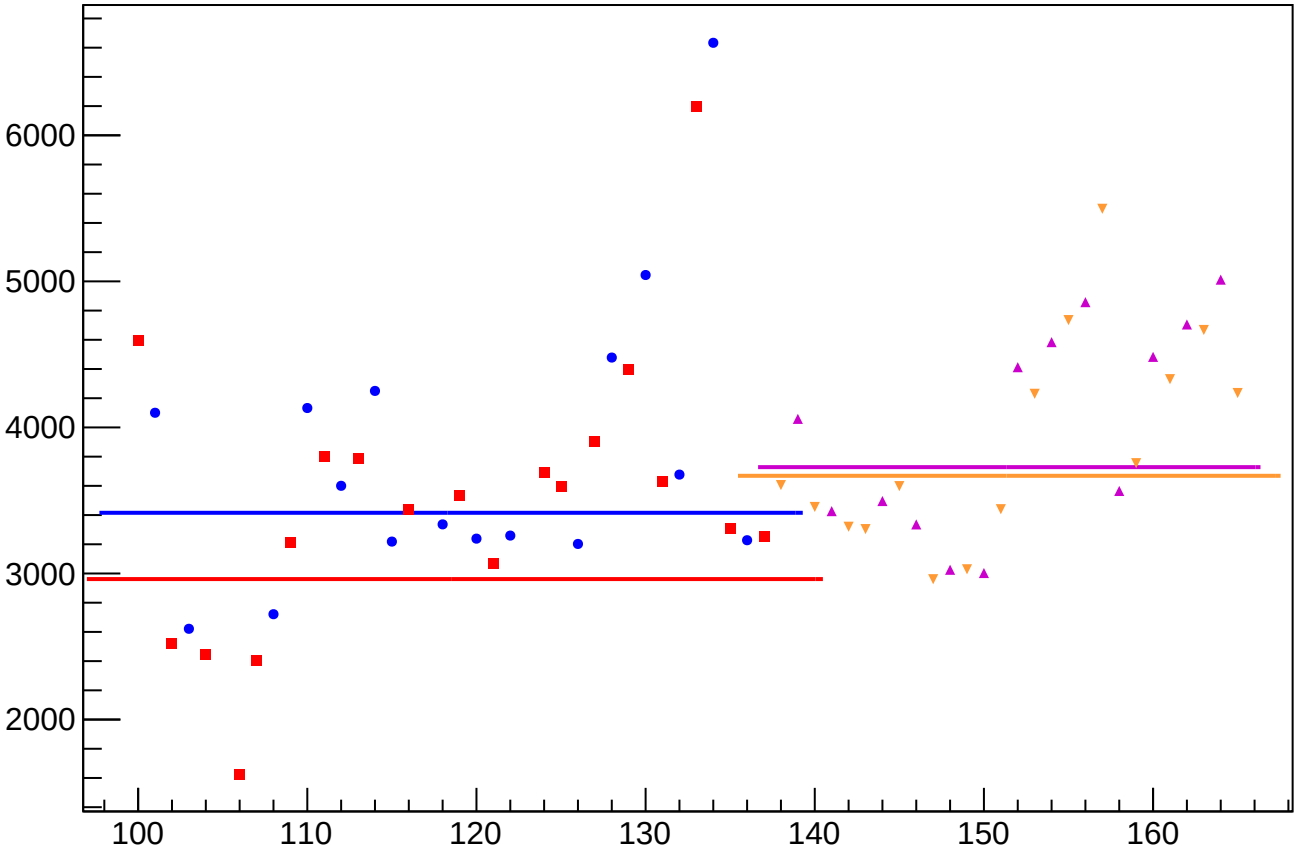
Left In: 985.046+/-1146.611 χ^2/NDF:8.9/12

+ sign 408.784+/-835.287 χ^2/NDF: 32.7/30

All: 456.555+/-579.673 χ^2/NDF: 58.2/62

- sign 500.937+/-805.108 χ^2/NDF: 25.4/31

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3668.833+/-0.770 χ^2/NDF:641078.6/14

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

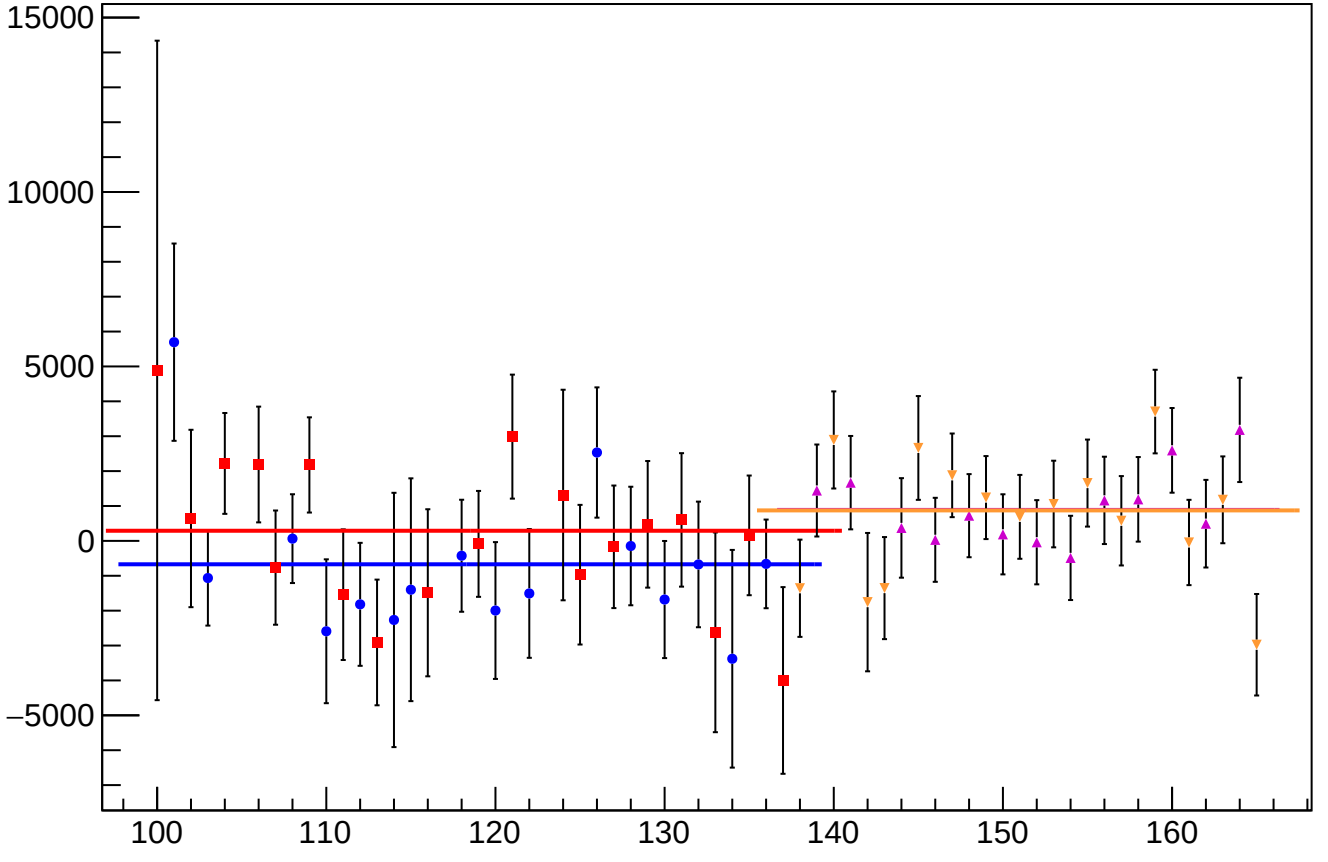
Left In: 3728.163+/-0.811 χ^2/NDF:640414.7/12

+ sign 3564.675+/-0.591 χ^2/NDF: 1277934.1/30

All: 3448.019+/-0.410 χ^2/NDF: 3615806.6/62

- sign 3339.641+/-0.569 χ^2/NDF: 2262621.1/31

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 873.695+/-339.336 χ^2/NDF:24.7/14

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

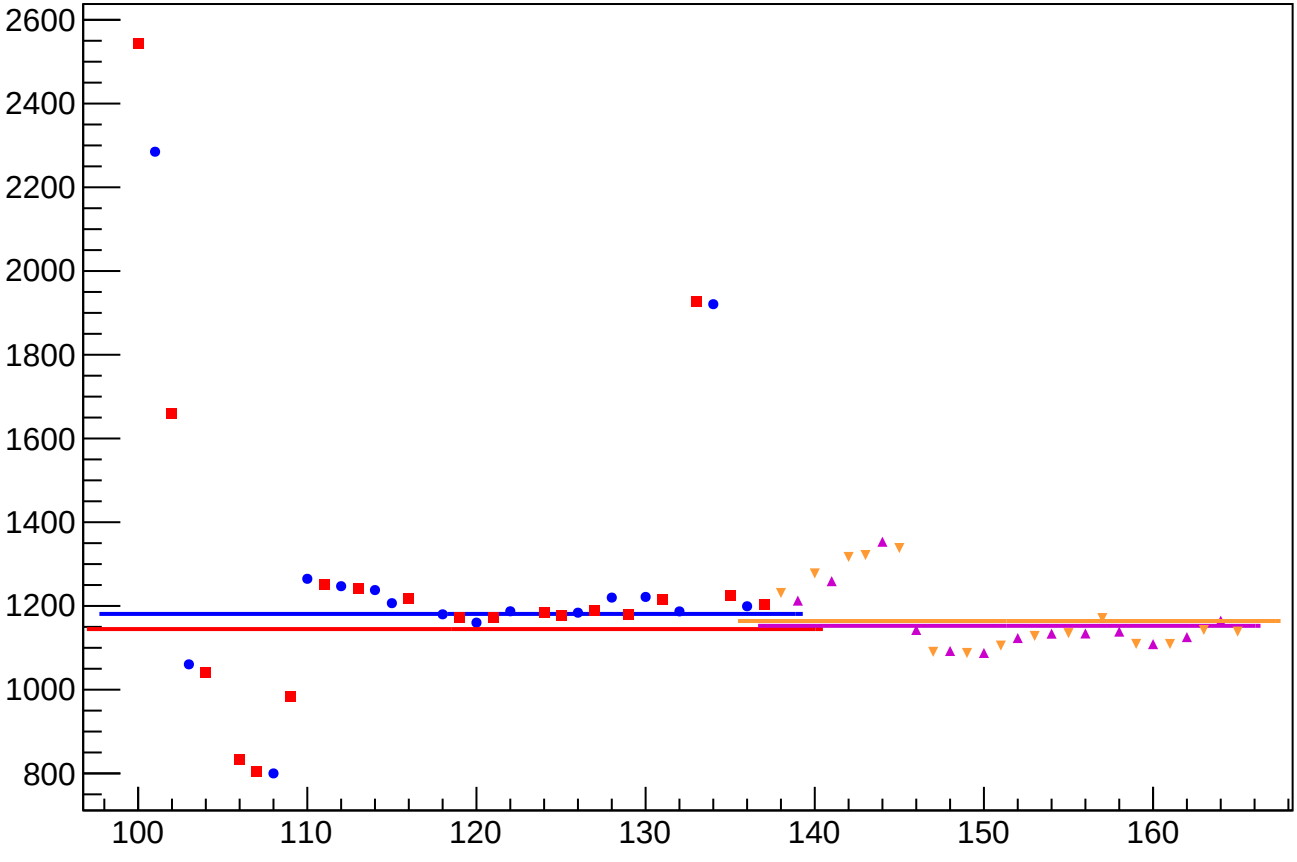
Left In: 887.535+/-348.580 χ^2/NDF:8.0/12

+ sign 311.415+/-270.609 χ^2/NDF: 44.1/30

All: 481.719+/-191.796 χ^2/NDF: 71.0/62

- sign 653.624+/-271.877 χ^2/NDF: 26.1/31

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1164.054+/-0.240 χ^2/NDF:113264.1/14

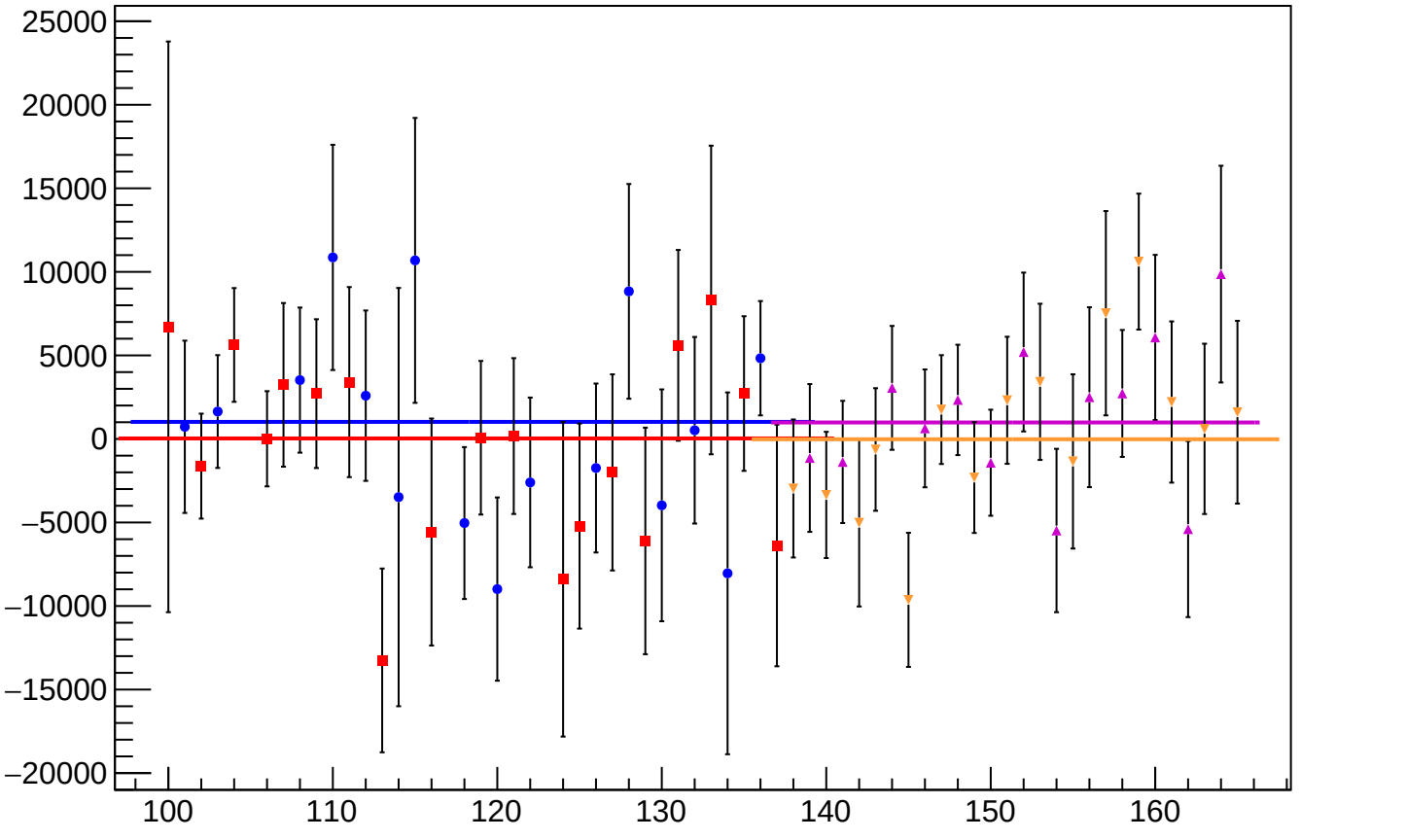
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1152.503+/-0.246 χ^2/NDF:74101.5/12

+ sign 1170.207+/-0.191 χ^2/NDF: 736949.2/30

All: 1159.888+/-0.136 χ^2/NDF: 1315008.8/62

- sign 1149.475+/-0.192 χ^2/NDF: 572216.8/31



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -18.981+/-1088.656 χ^2/NDF:18.5/14

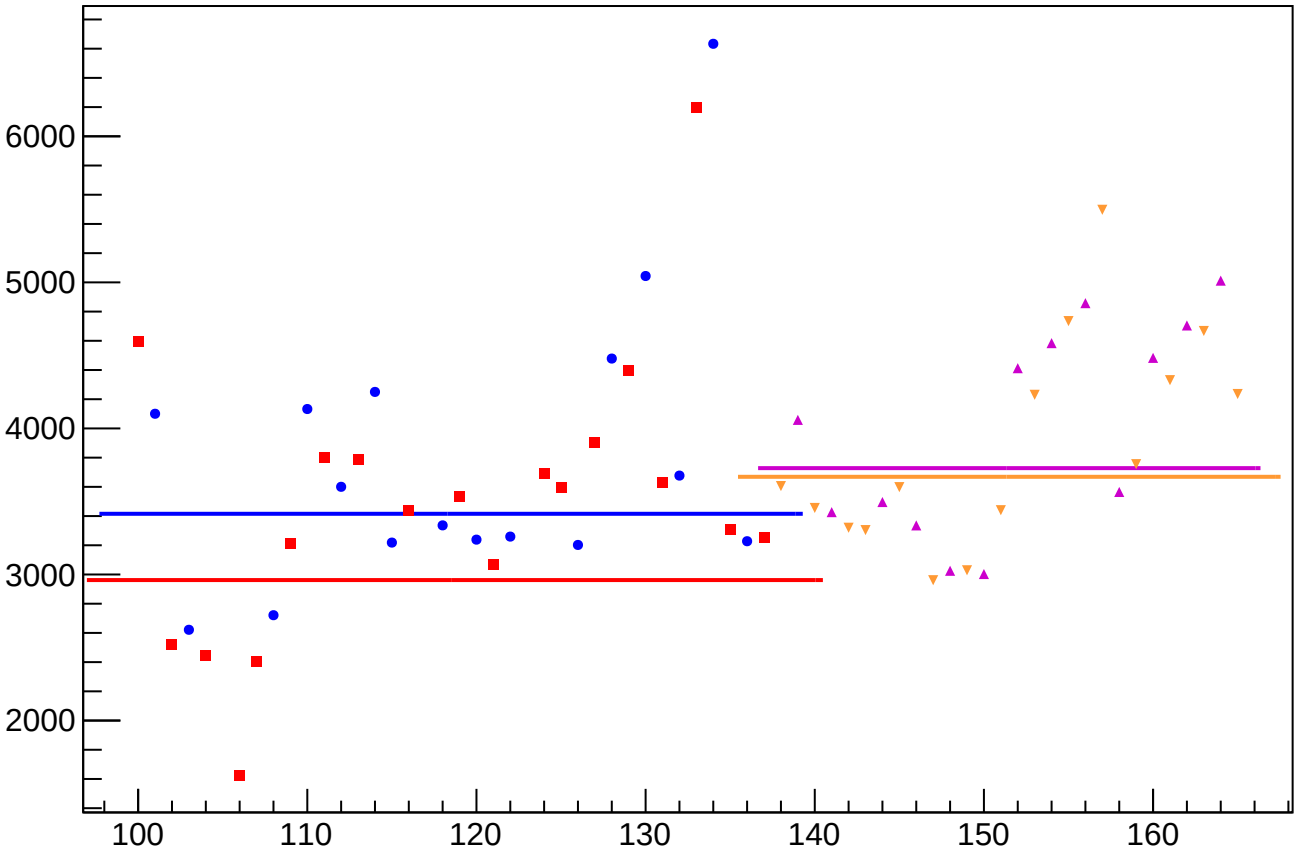
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 985.042+/-1146.613 χ^2/NDF:8.9/12

+ sign 408.780+/-835.288 χ^2/NDF: 32.7/30

All: 456.553+/-579.673 χ^2/NDF: 58.2/62

- sign 500.937+/-805.107 χ^2/NDF: 25.4/31



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3668.839+/-0.770 χ^2/NDF:641078.6/14

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

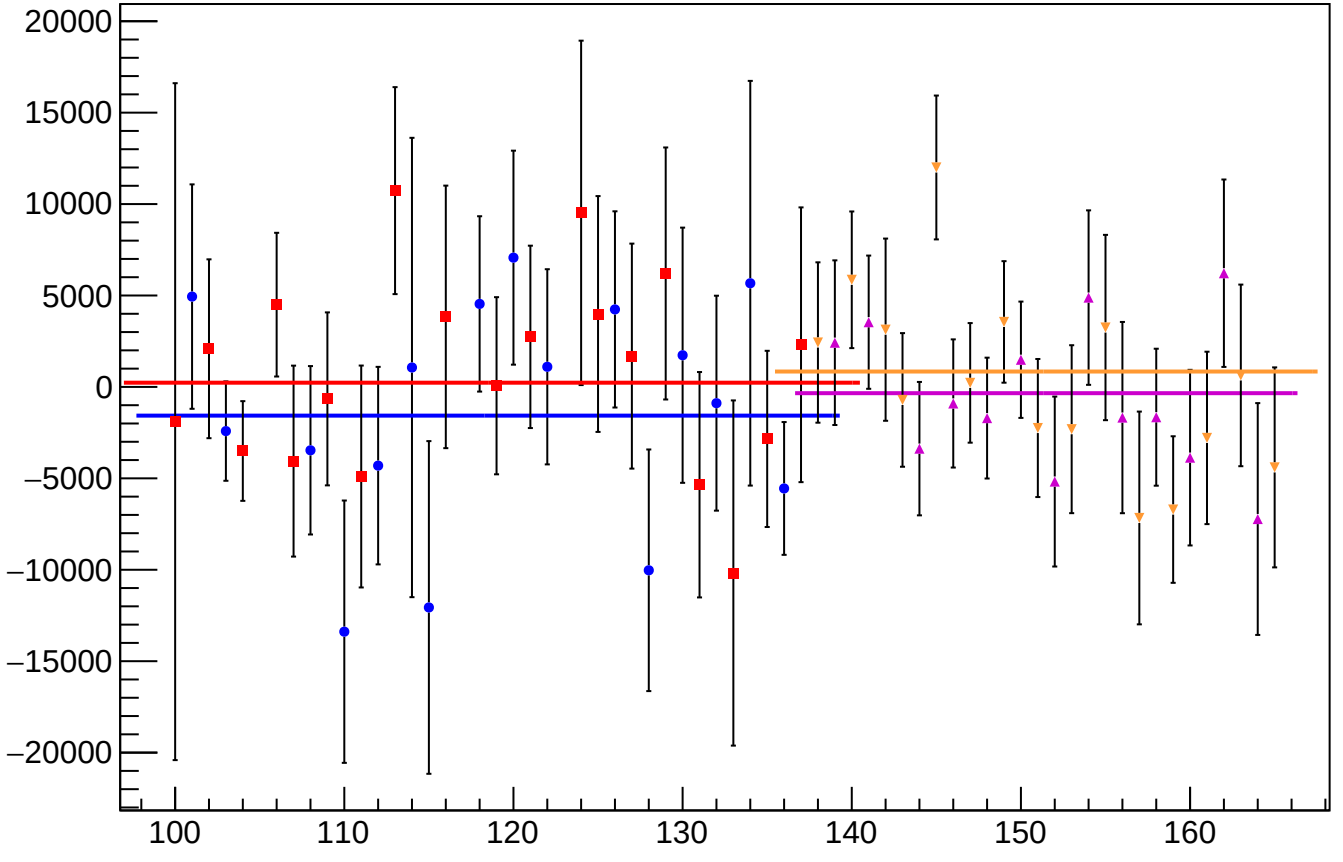
Left In: 3728.168+/-0.811 χ^2/NDF:640414.0/12

+ sign 3564.677+/-0.591 χ^2/NDF: 1277932.2/30

All: 3448.019+/-0.410 χ^2/NDF: 3615817.0/62

- sign 3339.640+/-0.569 χ^2/NDF: 2262631.7/31

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 841.896+/-1081.632 χ^2/NDF:19.4/14

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

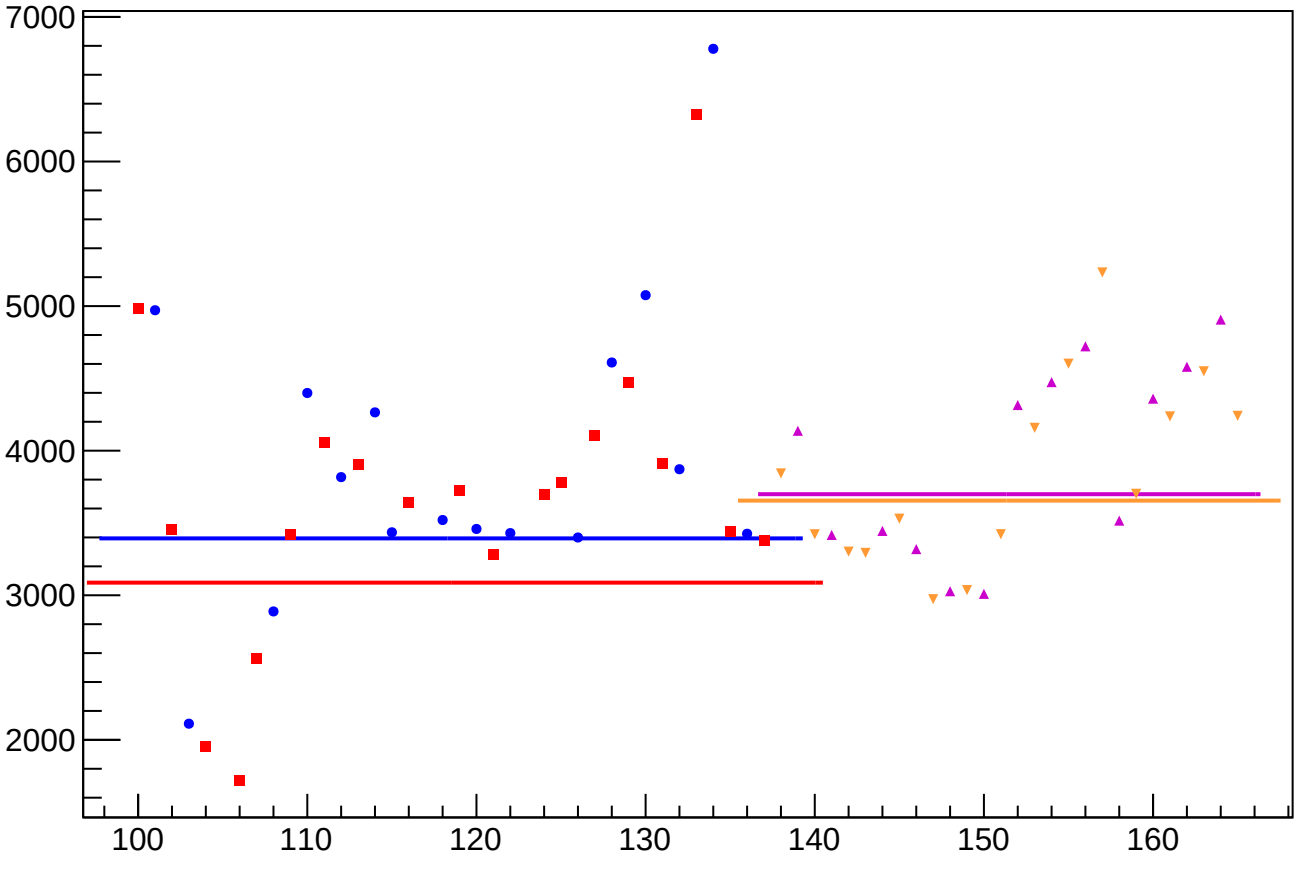
Left In: -342.175+/-1135.159 χ^2/NDF:8.6/12

+ sign -133.150+/-834.823 χ^2/NDF: 35.9/30

All: -105.073+/-589.456 χ^2/NDF: 57.8/62

- sign -77.157+/-832.416 χ^2/NDF: 21.9/31

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3654.700+/-0.765 χ^2/NDF:566668.8/14

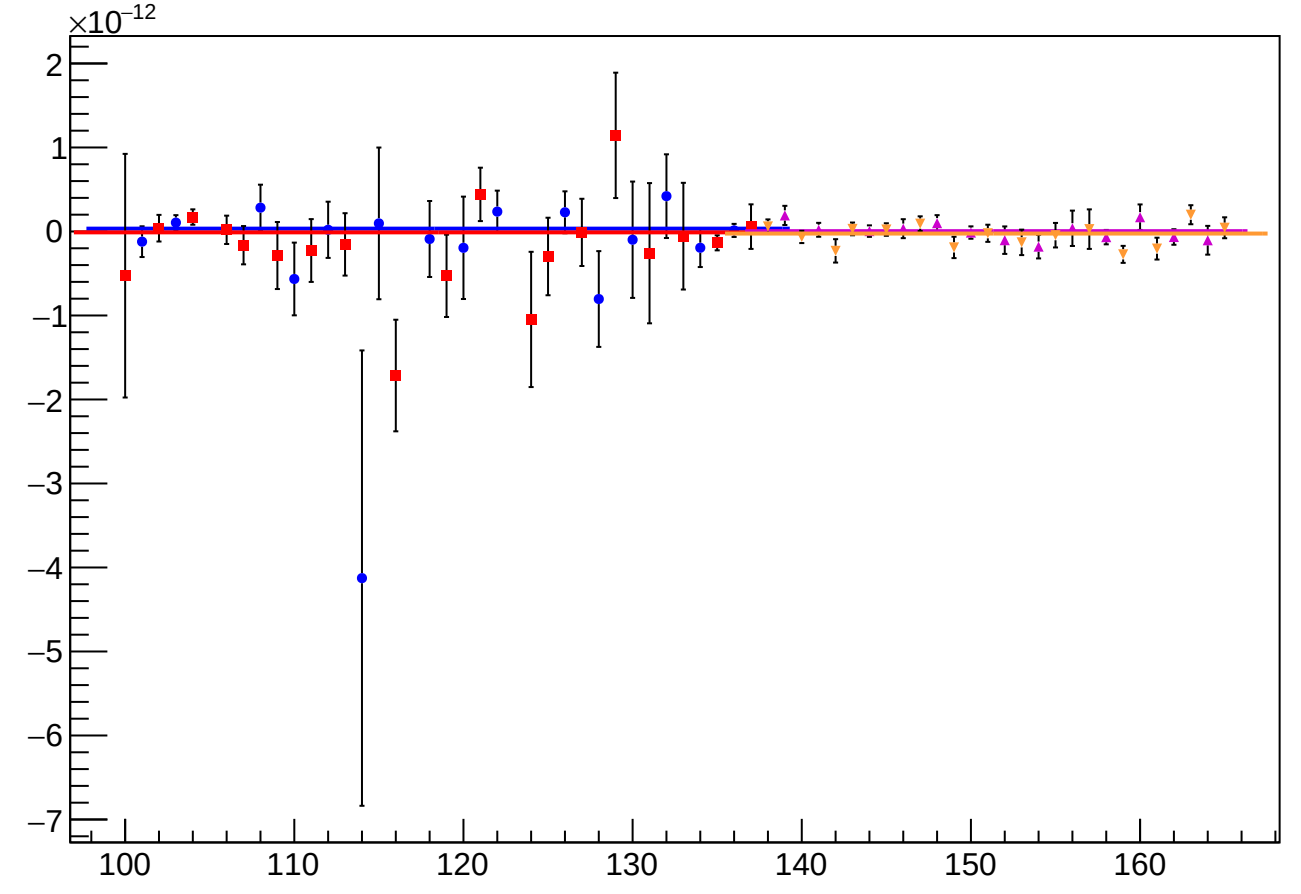
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3699.114+/-0.803 χ^2/NDF:579358.9/12

+ sign 3549.043+/-0.590 χ^2/NDF: 1662578.9/30

All: 3479.355+/-0.415 χ^2/NDF: 3871312.2/62

- sign 3411.153+/-0.584 χ^2/NDF: 2181157.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/14

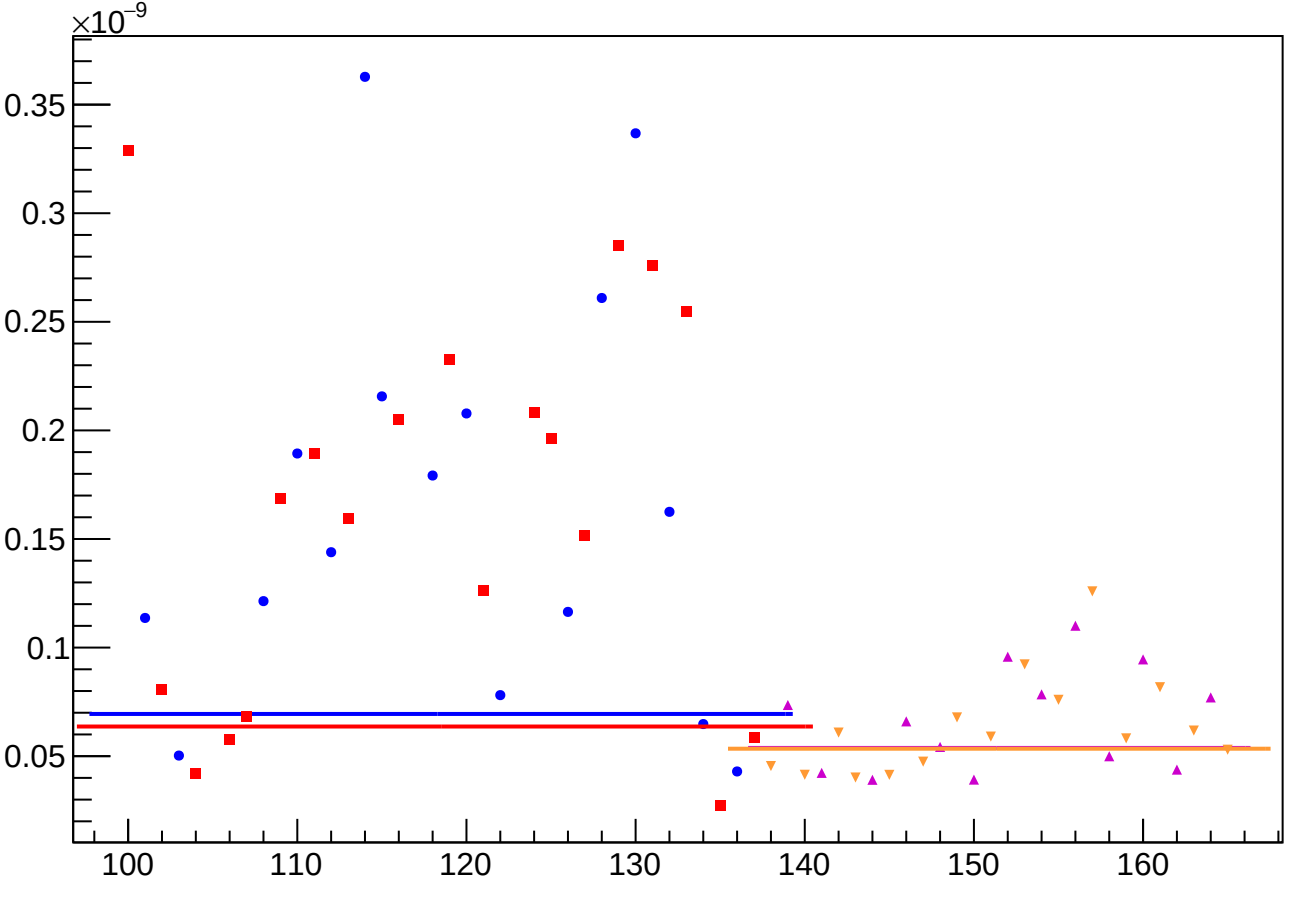
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 33.5/30

All: -0.000+/-0.000 χ^2/NDF: 64.5/62

- sign 0.000+/-0.000 χ^2/NDF: 30.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710311.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

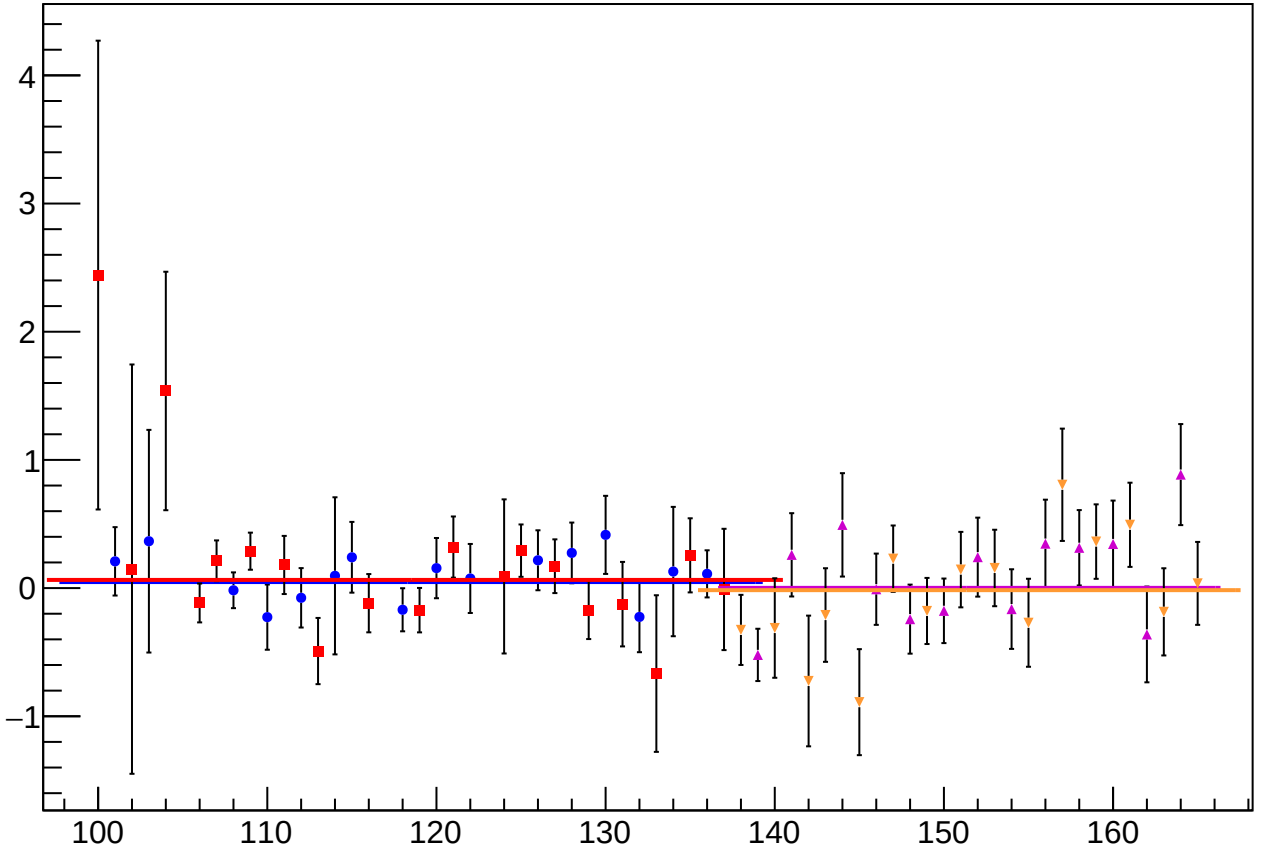
Left In: 0.000+/-0.000 χ^2/NDF:837132.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 2605275.2/30

All: 0.000+/-0.000 χ^2/NDF: 5753722.1/62

- sign 0.000+/-0.000 χ^2/NDF: 3147223.8/31

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: -0.016+/-0.084 χ^2/NDF:18.9/14

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

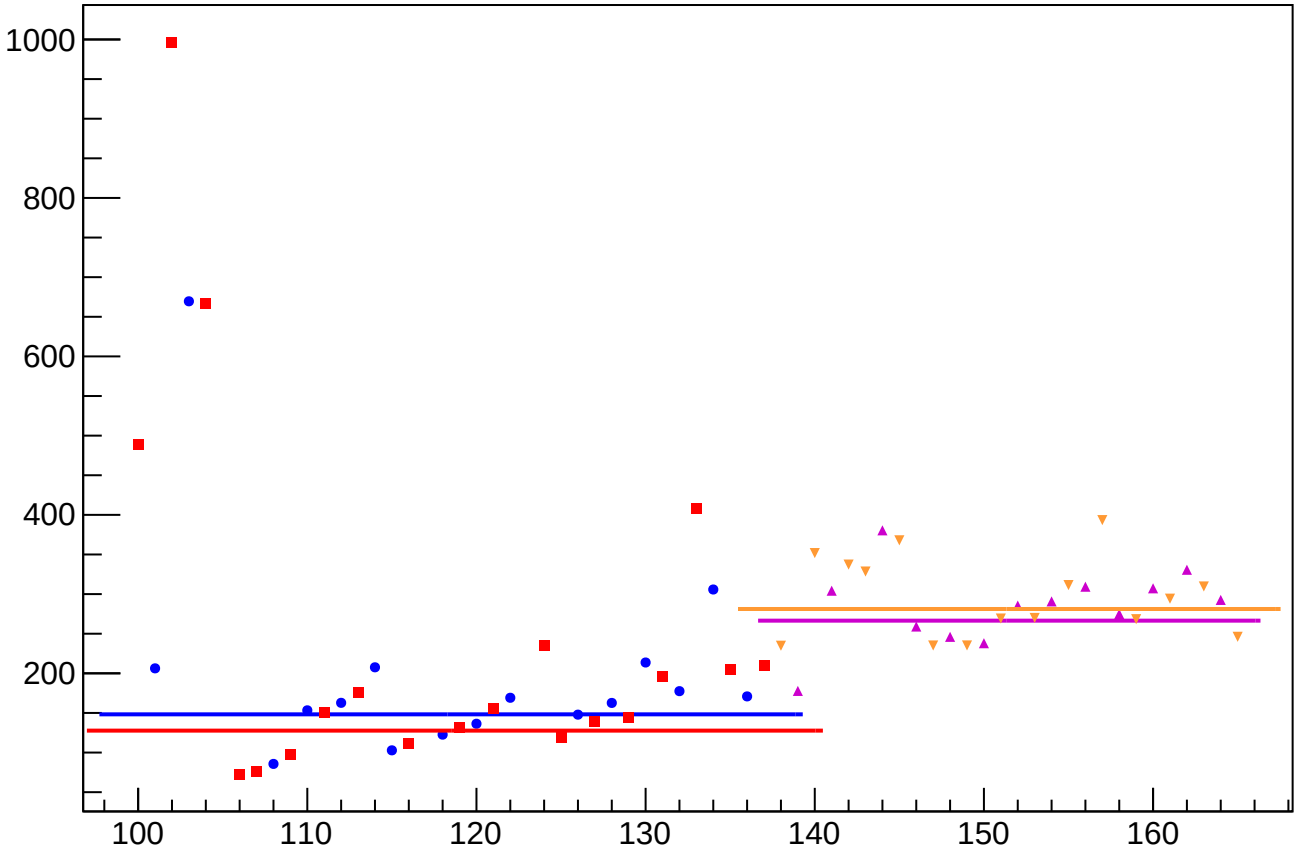
Left In: 0.002+/-0.083 χ^2/NDF:20.0/12

+ sign 0.026+/-0.049 χ^2/NDF: 27.9/30

All: 0.036+/-0.033 χ^2/NDF: 70.6/62

- sign 0.045+/-0.046 χ^2/NDF: 42.7/31

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 281.196+/-0.059 χ^2/NDF:593483.1/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

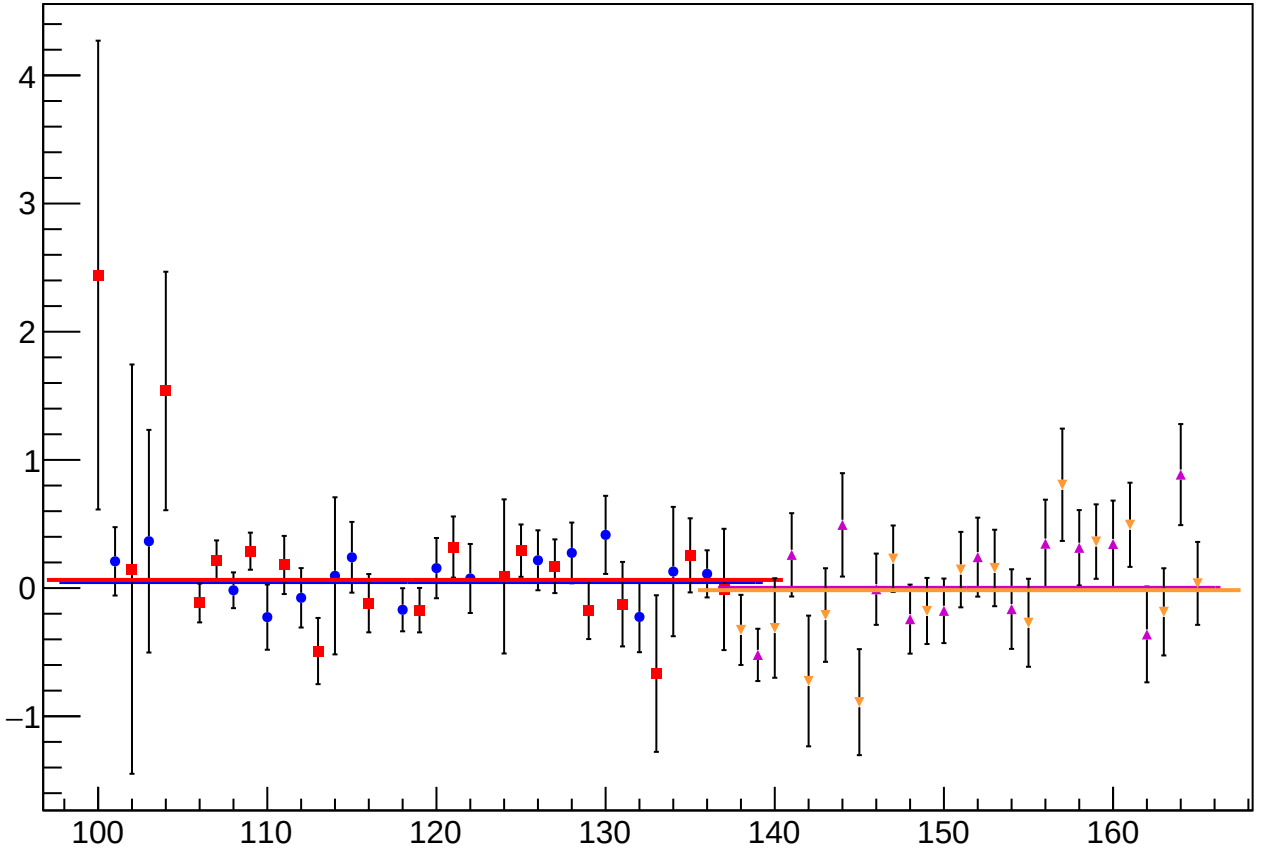
Left In: 266.484+/-0.059 χ^2/NDF:753170.0/12

+ sign 193.444+/-0.034 χ^2/NDF: 5639237.9/30

All: 180.807+/-0.024 χ^2/NDF: 13392479.1/62

- sign 169.739+/-0.032 χ^2/NDF: 7501341.0/31

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: -0.016+/-0.084 χ^2/NDF:18.9/14

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

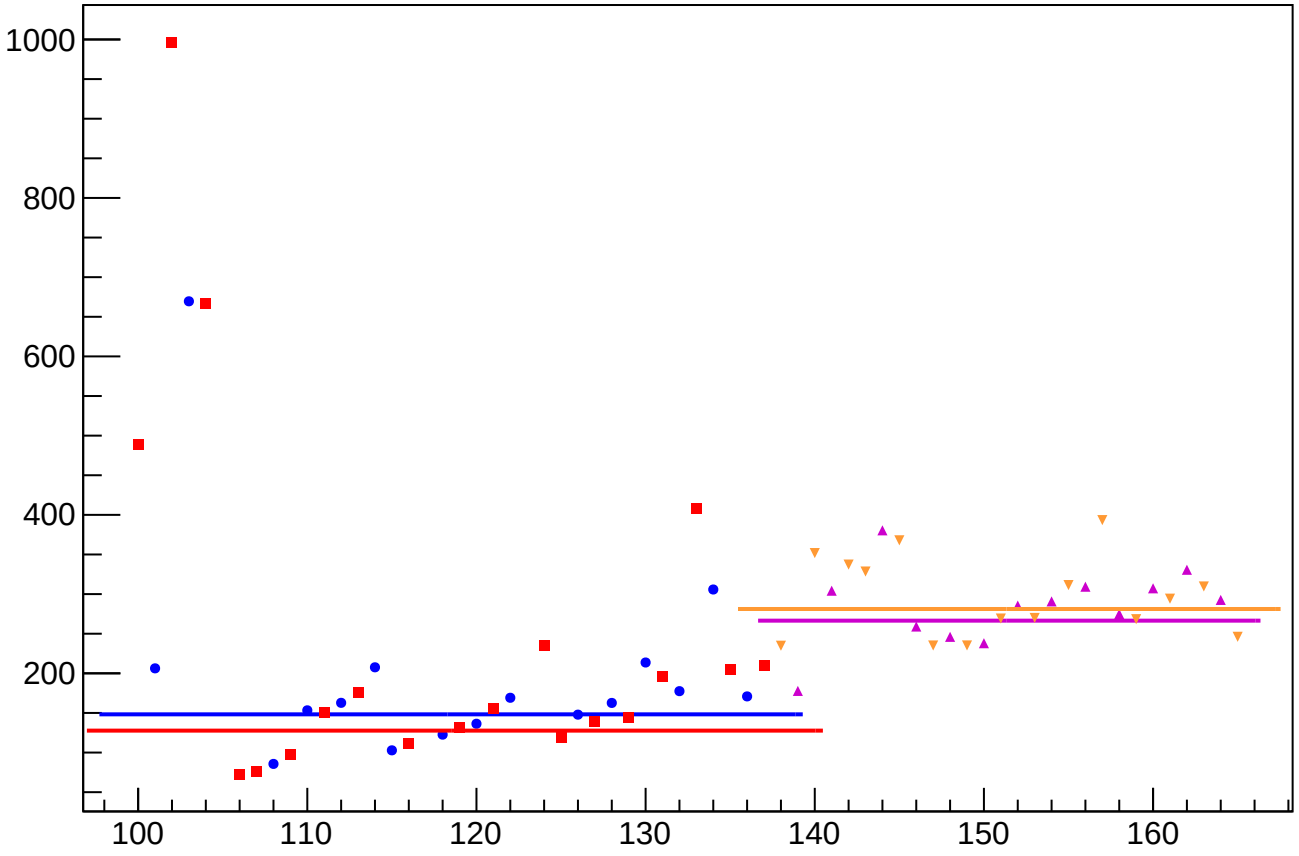
Left In: 0.002+/-0.083 χ^2/NDF:20.0/12

+ sign 0.026+/-0.049 χ^2/NDF: 27.9/30

All: 0.036+/-0.033 χ^2/NDF: 70.6/62

- sign 0.045+/-0.046 χ^2/NDF: 42.7/31

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: 281.196+/-0.059 χ^2/NDF:593483.1/14

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

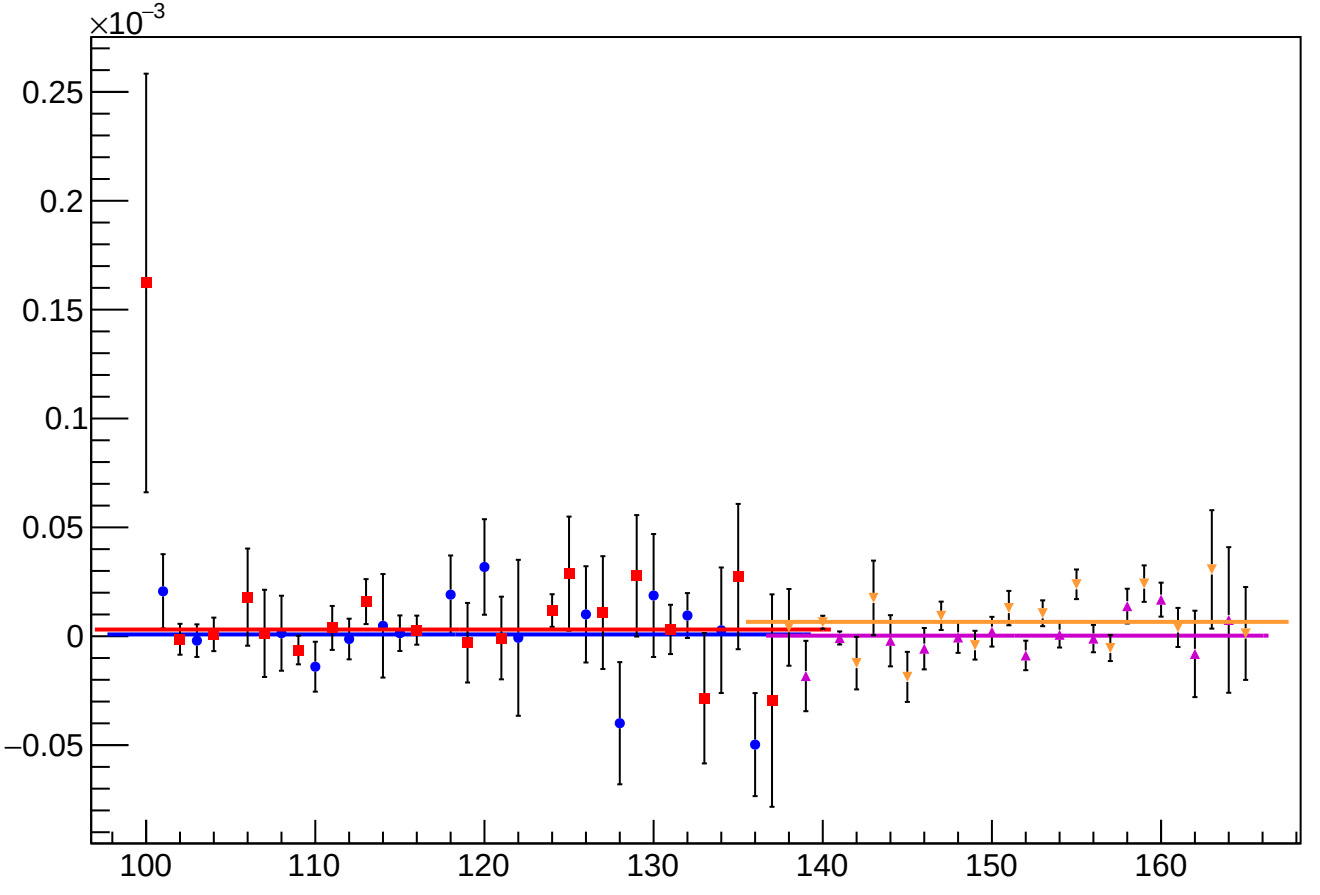
Left In: 266.484+/-0.059 χ^2/NDF:753170.0/12

+ sign 193.444+/-0.034 χ^2/NDF: 5639237.9/30

All: 180.807+/-0.024 χ^2/NDF: 13392479.1/62

- sign 169.739+/-0.032 χ^2/NDF: 7501341.0/31

asym_usr_atr2_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:27.4/14

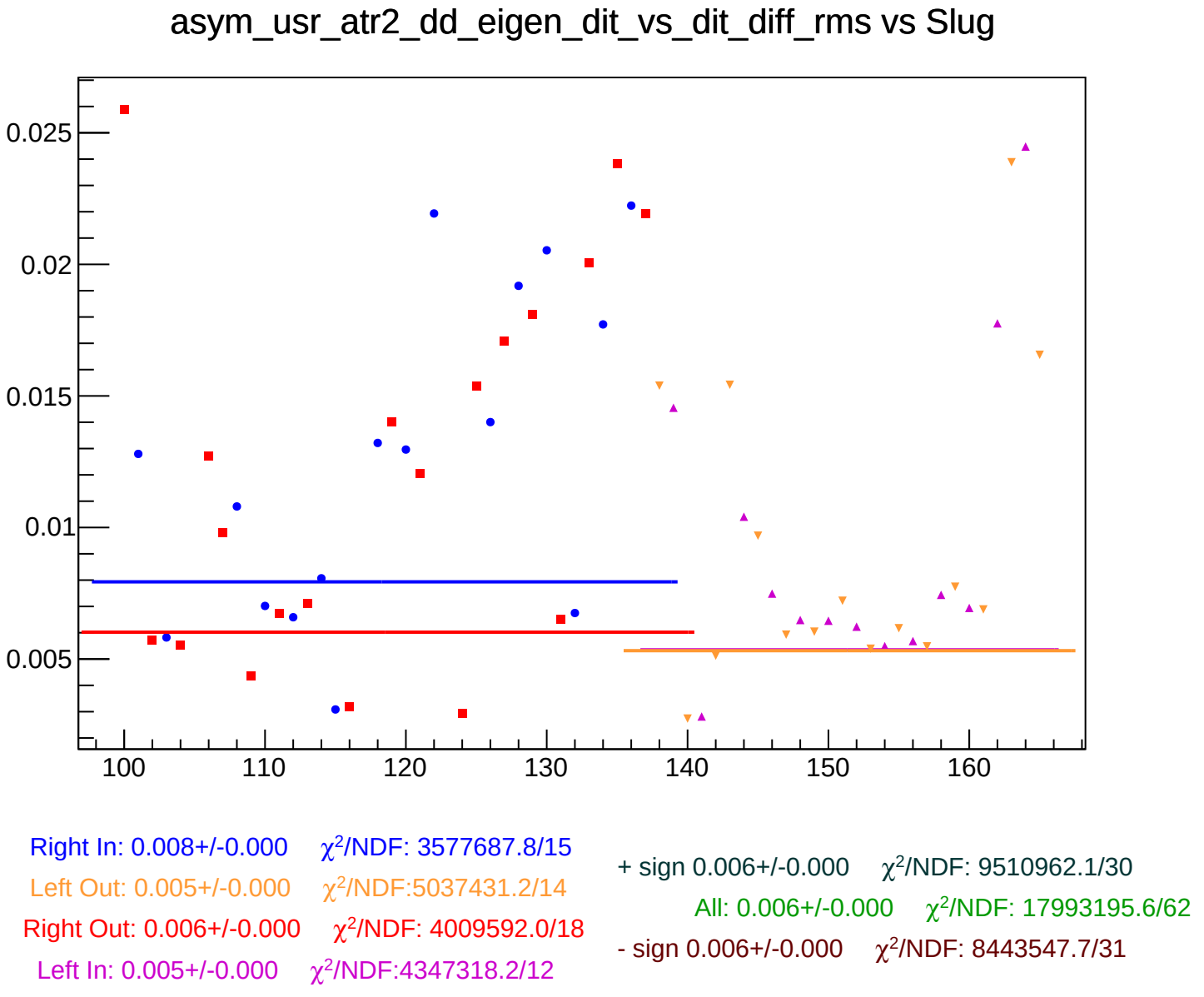
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

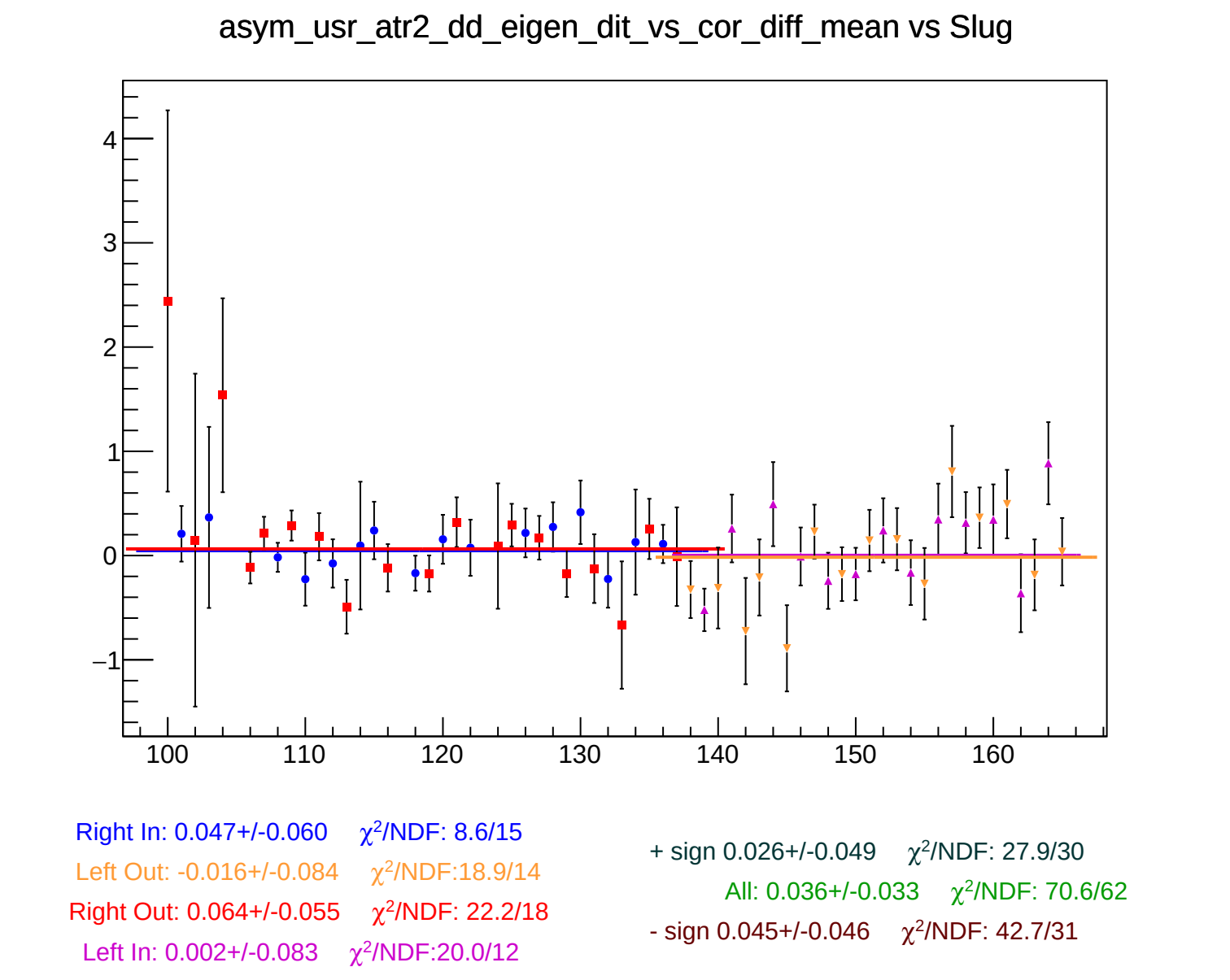
Left In: 0.000+/-0.000 χ^2/NDF:11.4/12

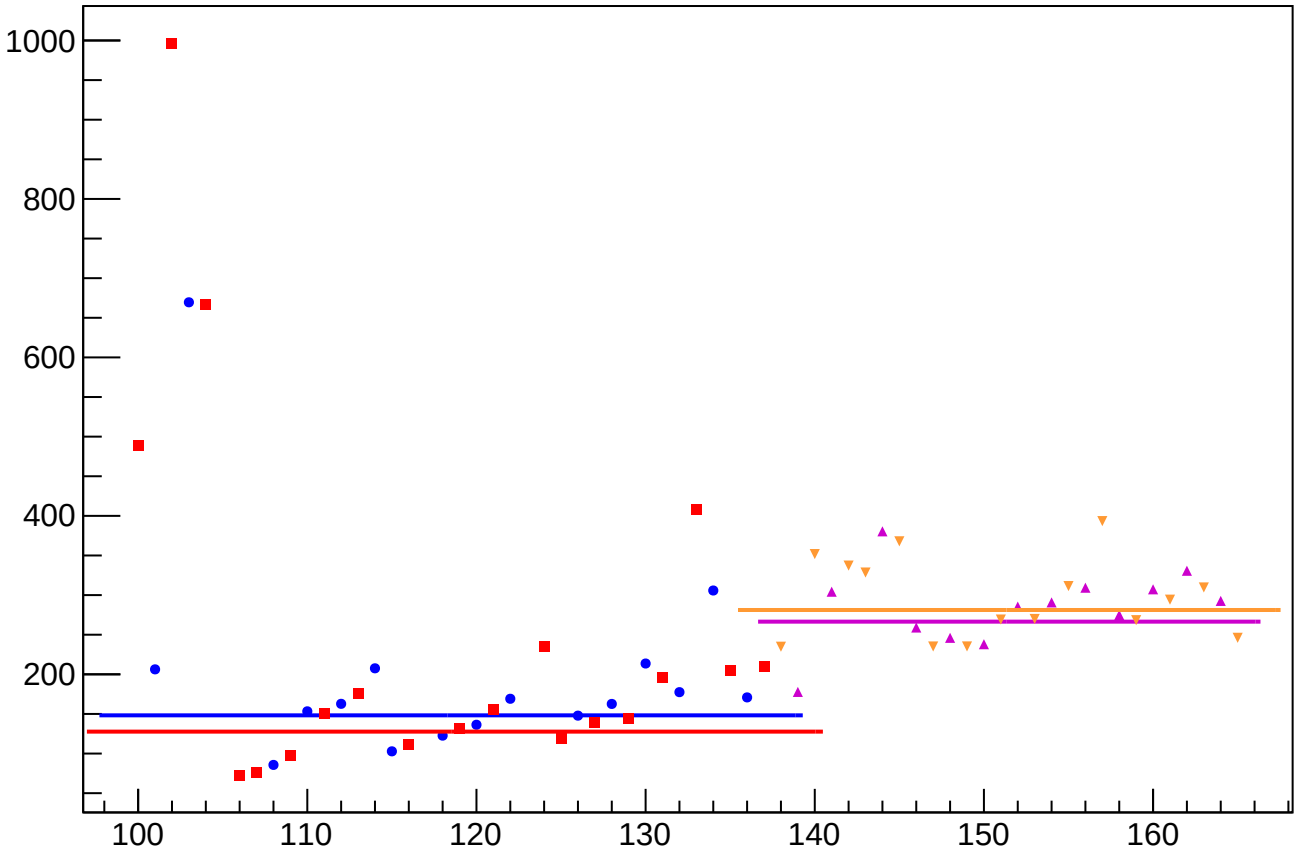
+ sign 0.000+/-0.000 χ^2/NDF: 43.8/30

All: 0.000+/-0.000 χ^2/NDF: 72.2/62

- sign 0.000+/-0.000 χ^2/NDF: 24.9/31


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.008+/-0.000 χ²/NDF: 3577687.8/15
Left Out: 0.005+/-0.000 χ²/NDF:5037431.2/14
Right Out: 0.006+/-0.000 χ²/NDF: 4009592.0/18
Left In: 0.005+/-0.000 χ²/NDF:4347318.2/12
+ sign 0.006+/-0.000 χ²/NDF: 9510962.1/30
All: 0.006+/-0.000 χ²/NDF: 17993195.6/62
- sign 0.006+/-0.000 χ²/NDF: 8443547.7/31


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.016+/-0.084 χ²/NDF:18.9/14
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.002+/-0.083 χ²/NDF:20.0/12
+ sign 0.026+/-0.049 χ²/NDF: 27.9/30
All: 0.036+/-0.033 χ²/NDF: 70.6/62
- sign 0.045+/-0.046 χ²/NDF: 42.7/31



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 281.201+/-0.059 χ^2/NDF:593449.6/14

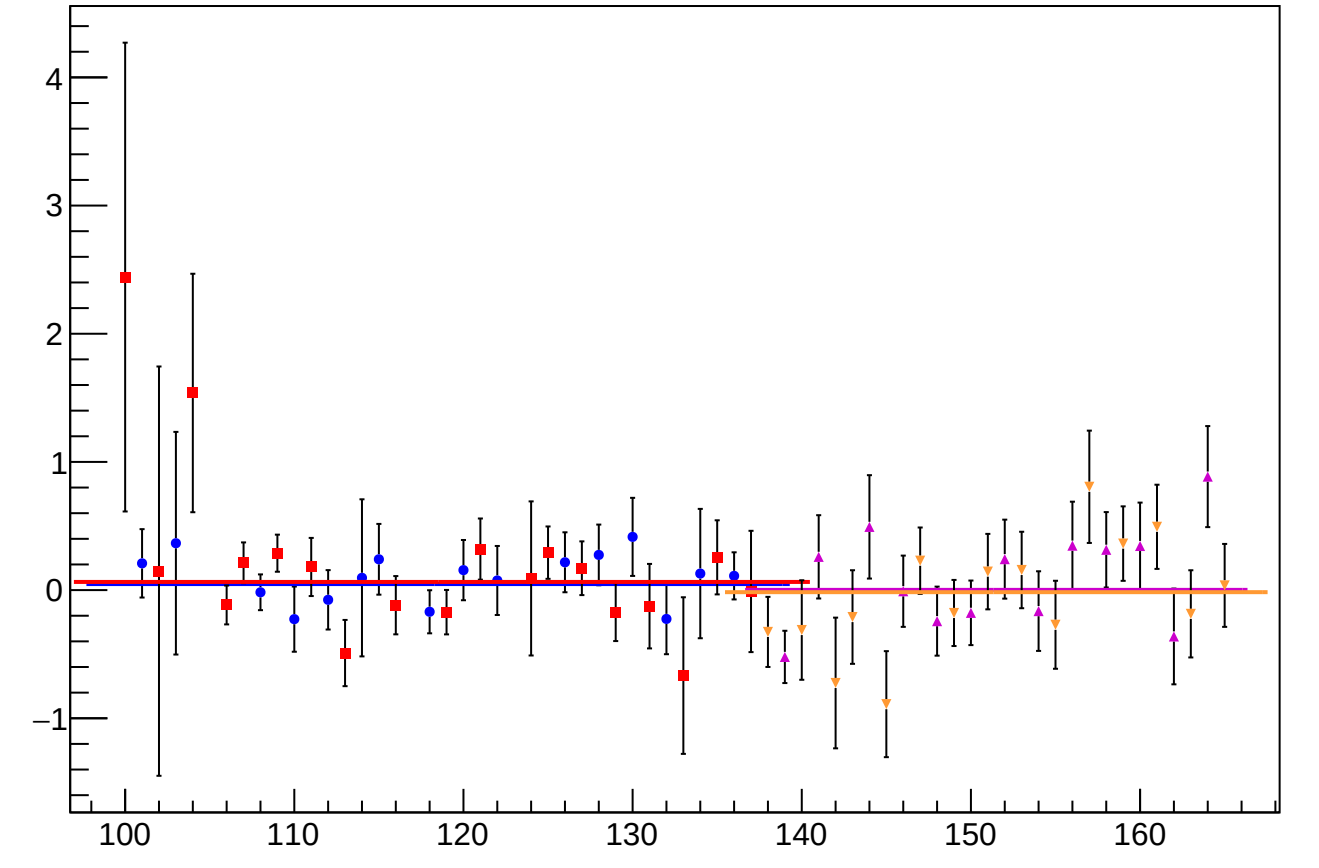
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 266.488+/-0.059 χ^2/NDF:753141.6/12

+ sign 193.442+/-0.034 χ^2/NDF: 5639588.1/30

All: 180.806+/-0.024 χ^2/NDF: 13392870.8/62

- sign 169.740+/-0.032 χ^2/NDF: 7501428.4/31



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.016+/-0.084 χ^2/NDF:18.9/14

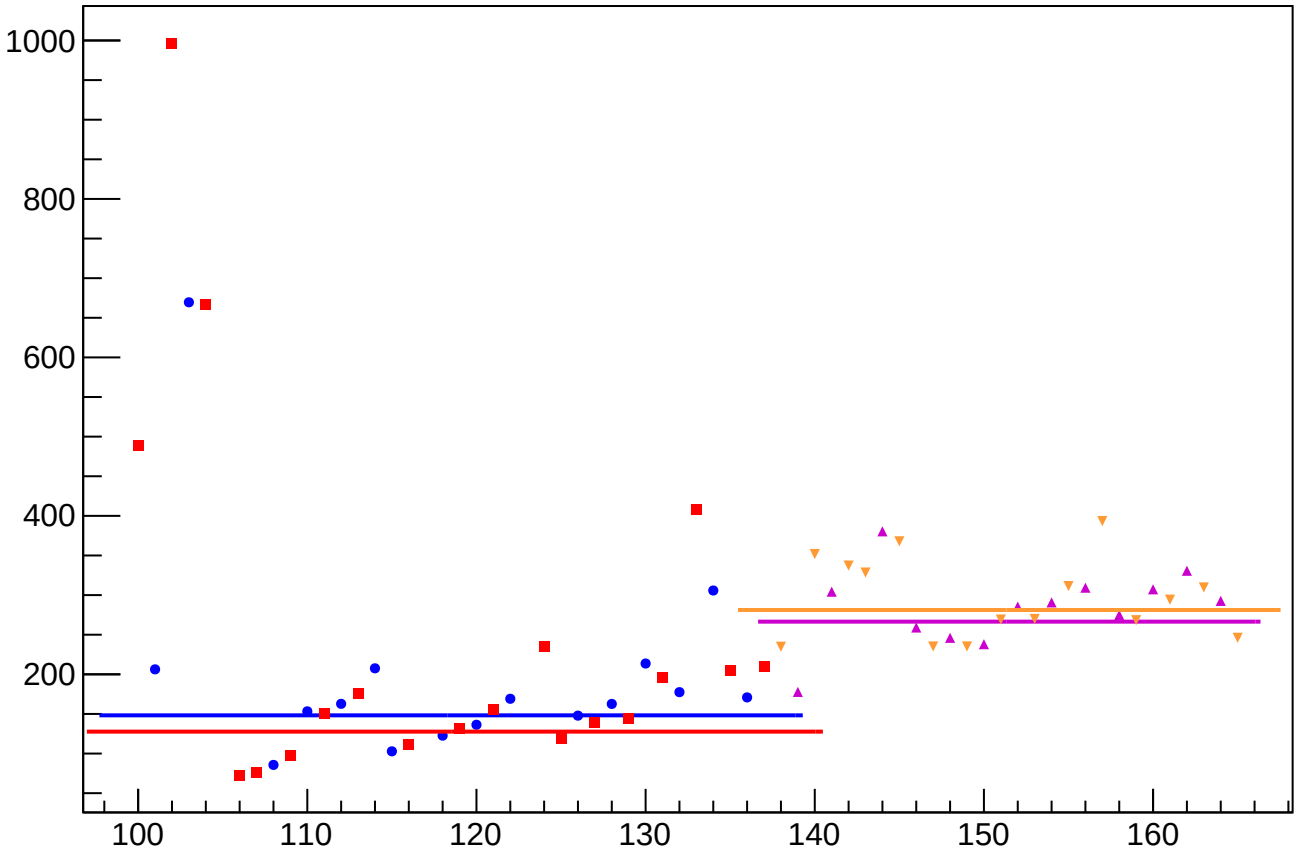
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.002+/-0.083 χ^2/NDF:20.0/12

+ sign 0.026+/-0.049 χ^2/NDF: 27.9/30

All: 0.036+/-0.033 χ^2/NDF: 70.6/62

- sign 0.045+/-0.046 χ^2/NDF: 42.7/31



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 281.201+/-0.059 χ^2/NDF:593449.6/14

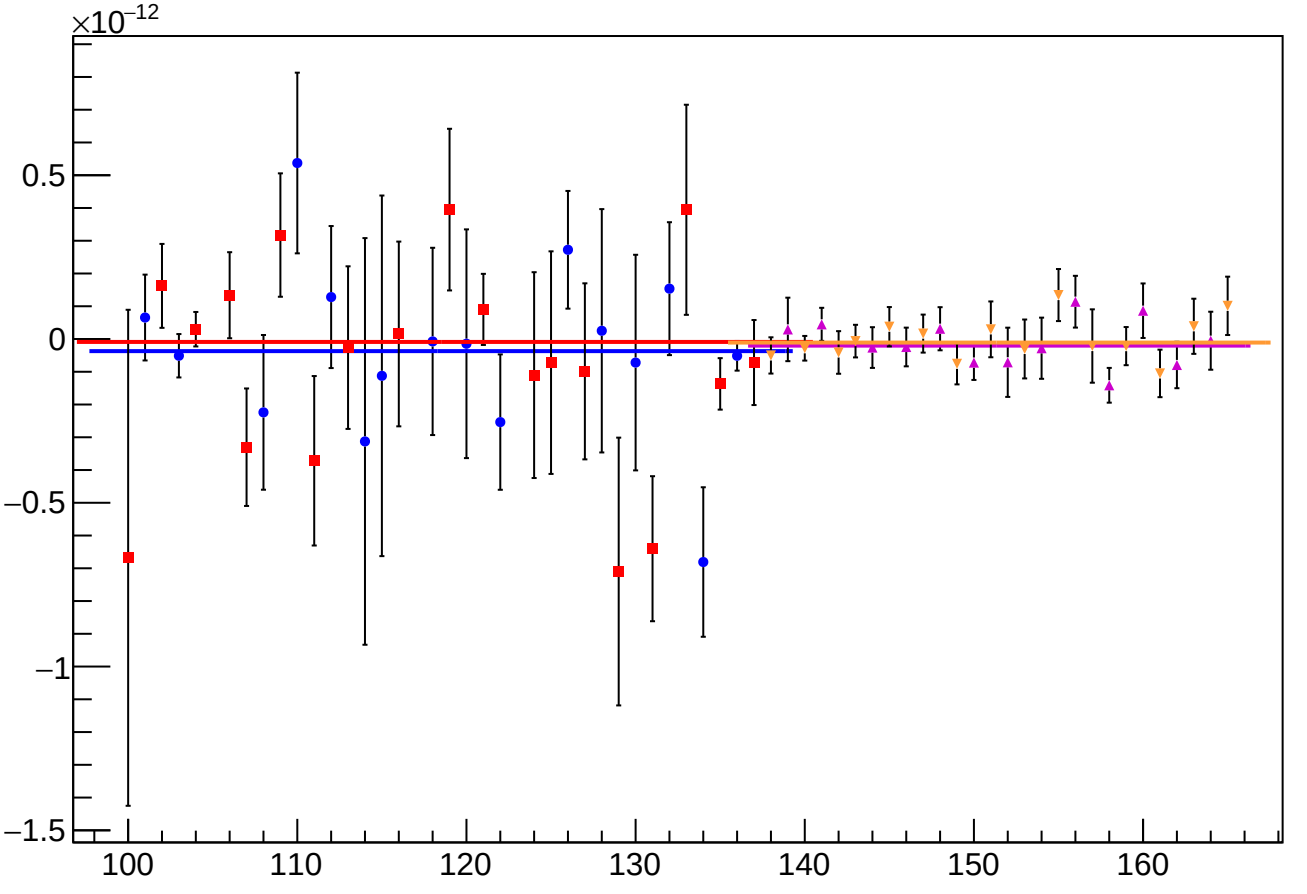
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 266.488+/-0.059 χ^2/NDF:753141.6/12

+ sign 193.442+/-0.034 χ^2/NDF: 5639588.1/30

All: 180.806+/-0.024 χ^2/NDF: 13392870.8/62

- sign 169.740+/-0.032 χ^2/NDF: 7501428.4/31



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

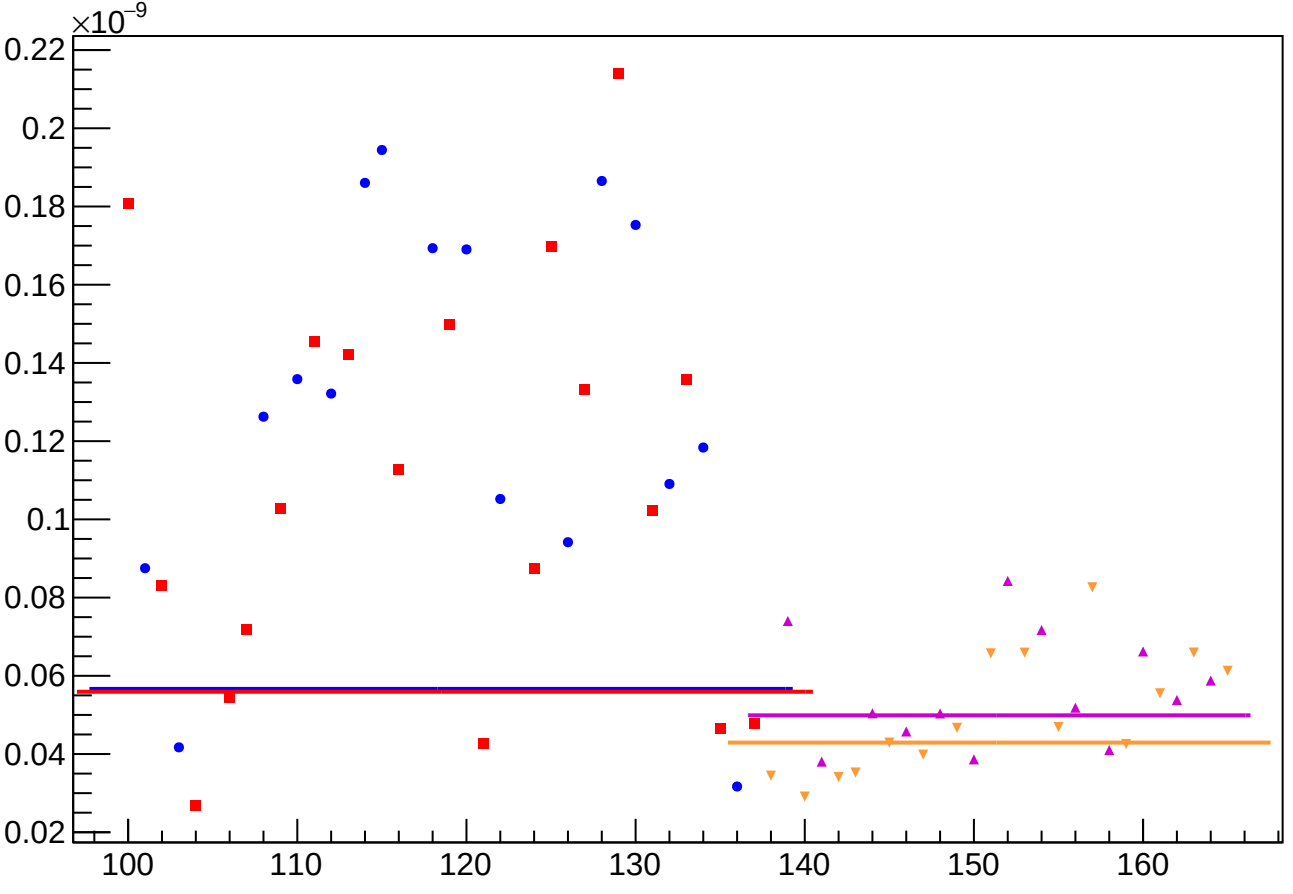
Left In: -0.000+/-0.000 χ^2/NDF:14.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/30

All: -0.000+/-0.000 χ^2/NDF: 76.2/62

- sign -0.000+/-0.000 χ^2/NDF: 46.1/31

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1238118.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

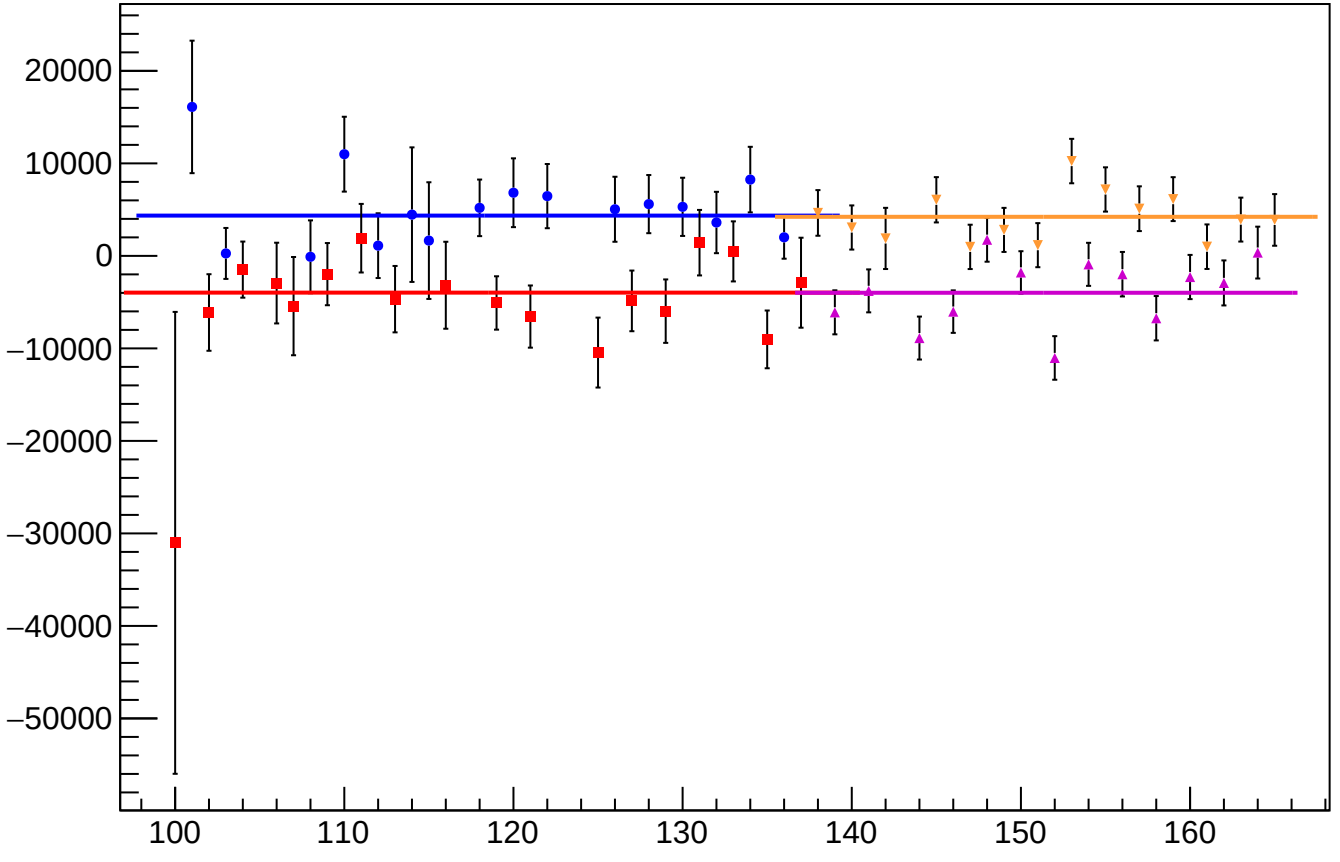
Left In: 0.000+/-0.000 χ^2/NDF:815355.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 4641060.1/30

All: 0.000+/-0.000 χ^2/NDF: 8379219.3/62

- sign 0.000+/-0.000 χ^2/NDF: 3601068.2/31

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4223.437+/-659.477 χ^2/NDF:15.6/13

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

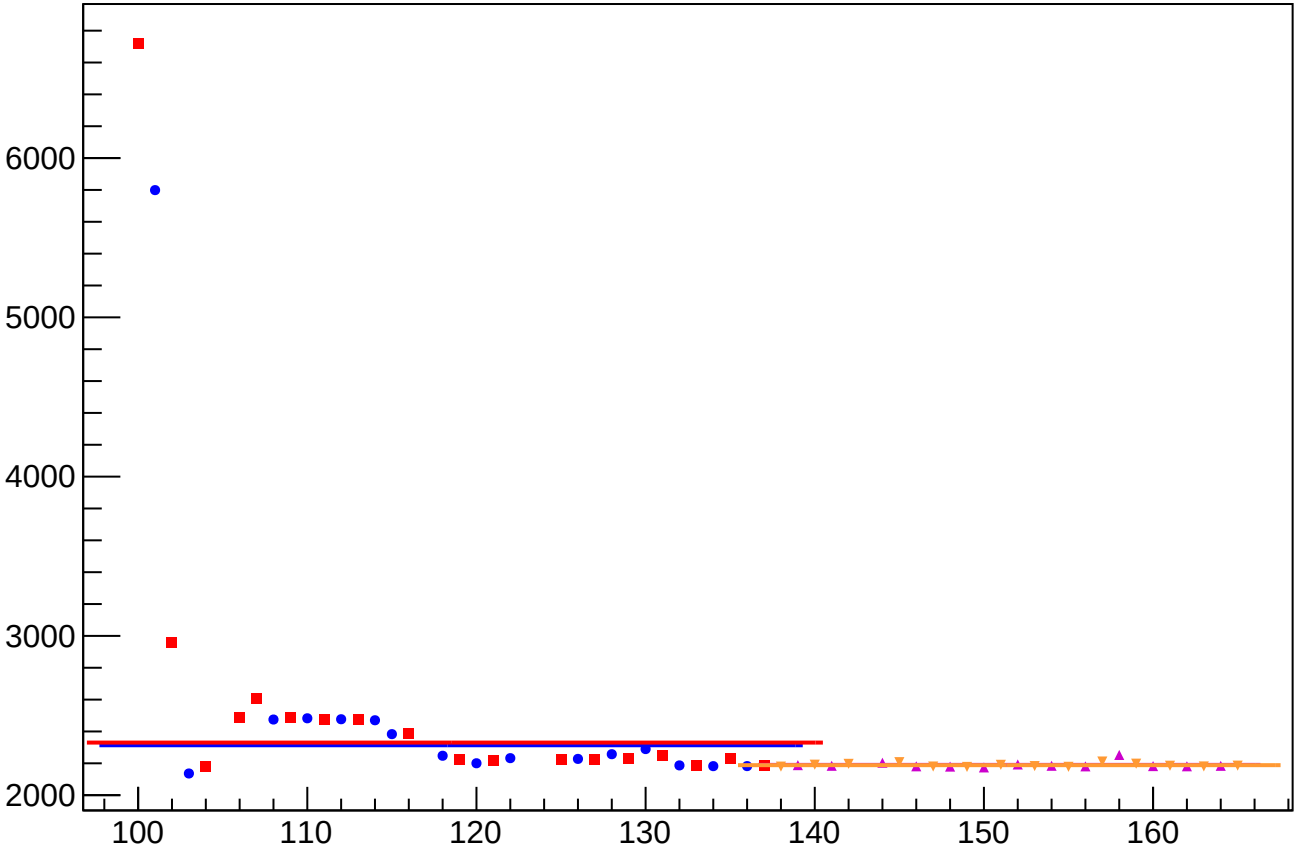
Left In: -3987.345+/-661.247 χ^2/NDF:28.6/12

+ sign 4270.851+/-526.682 χ^2/NDF: 29.0/29

All: 145.034+/-372.439 χ^2/NDF: 196.5/60

- sign -3981.620+/-526.735 χ^2/NDF: 44.7/30

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.412+/-0.466 χ^2/NDF:520.7/13

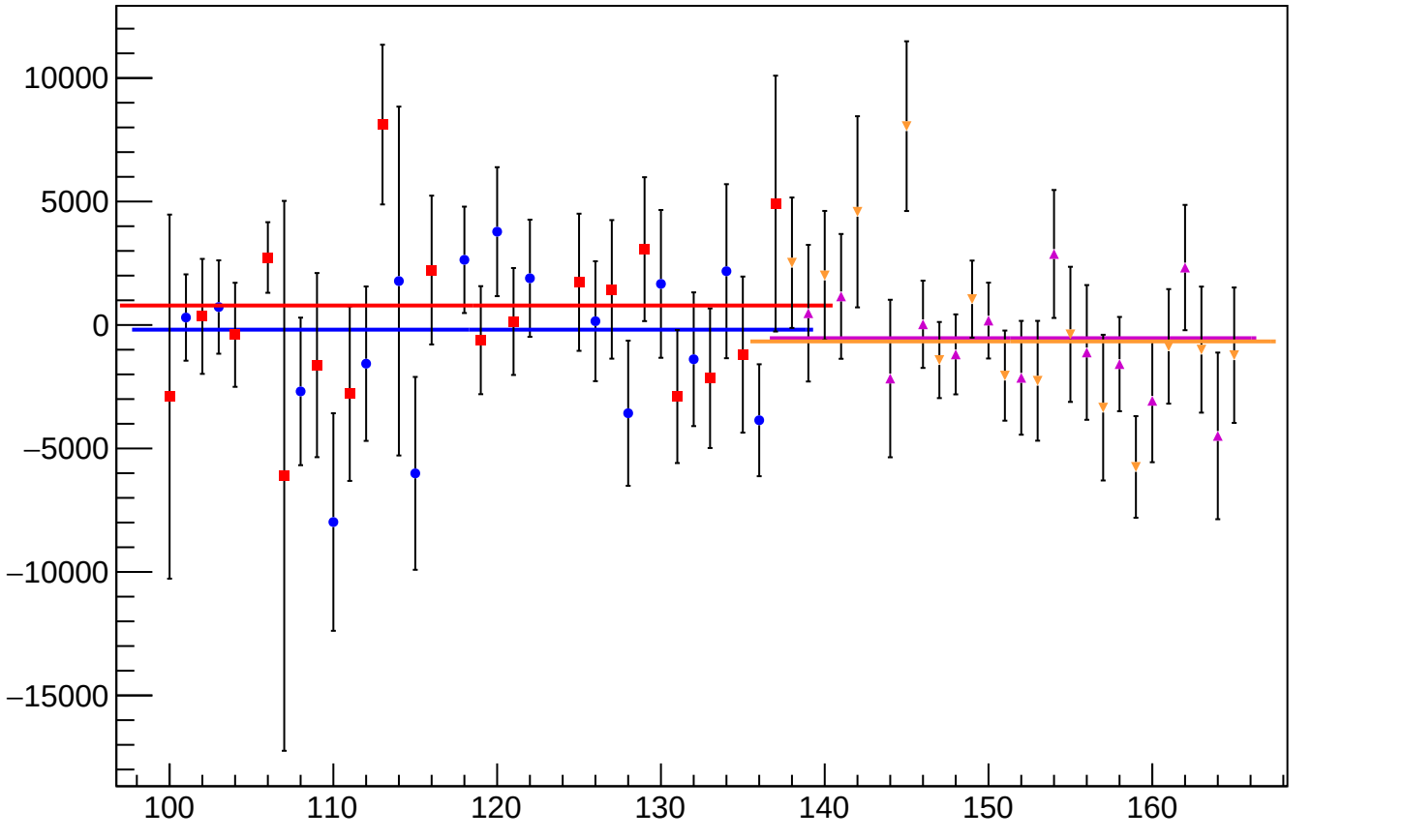
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

+ sign 2233.685+/-0.372 χ^2/NDF: 538917.3/29

All: 2237.503+/-0.263 χ^2/NDF: 724836.5/60

- sign 2241.322+/-0.372 χ^2/NDF: 185709.0/30



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -664.397+/-608.529 χ^2/NDF:20.2/13

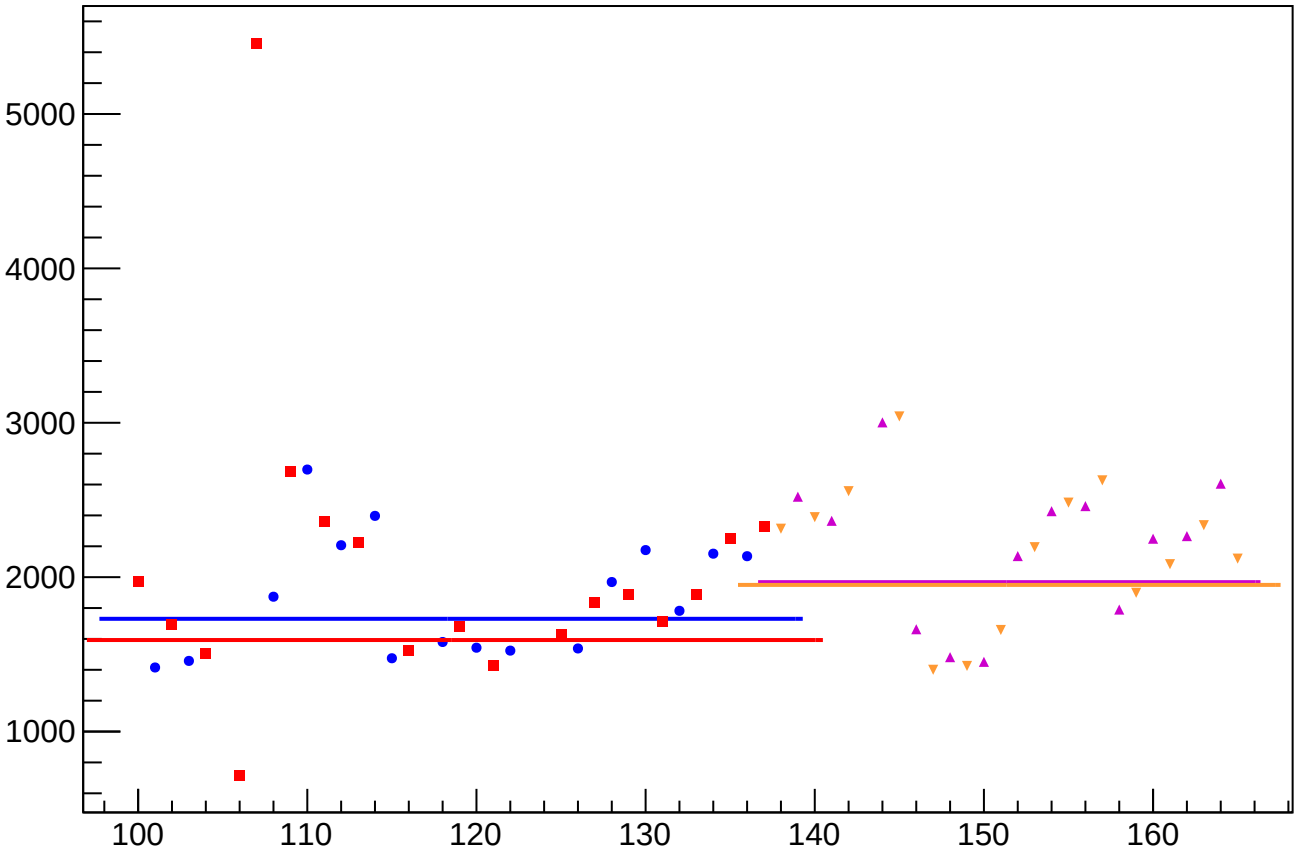
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -535.000+/-612.832 χ^2/NDF:7.6/12

+ sign -445.202+/-446.866 χ^2/NDF: 36.9/29

All: -167.061+/-313.863 χ^2/NDF: 62.4/60

- sign 103.743+/-440.933 χ^2/NDF: 24.7/30



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1949.874+/-0.430 χ^2/NDF:1140343.1/13

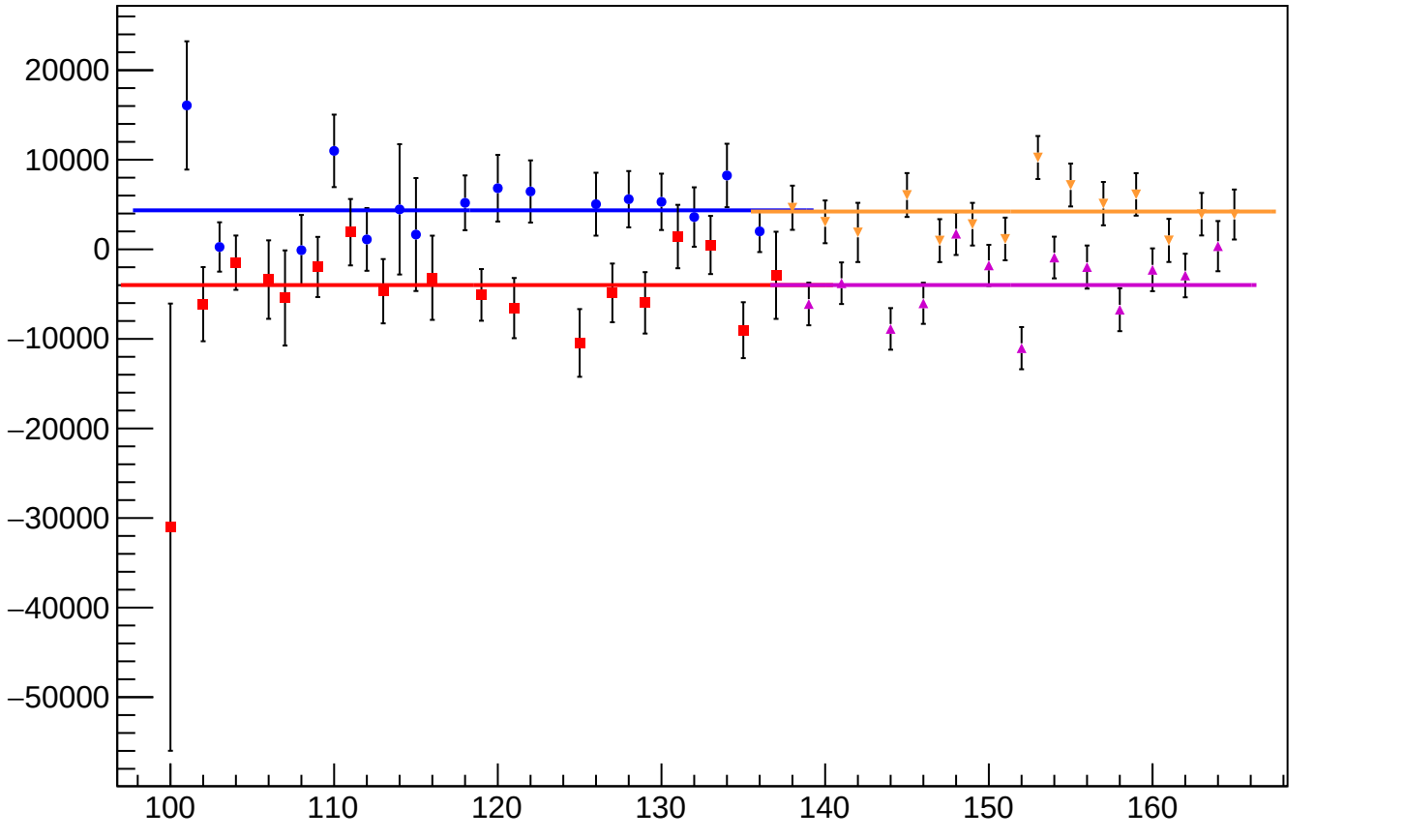
Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1967.703+/-0.433 χ^2/NDF:1086756.0/12

+ sign 1848.700+/-0.316 χ^2/NDF: 1739263.9/29

All: 1817.383+/-0.222 χ^2/NDF: 4762574.5/60

- sign 1786.892+/-0.312 χ^2/NDF: 3003923.7/30



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4223.342+/-659.477 χ^2/NDF:15.6/13

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

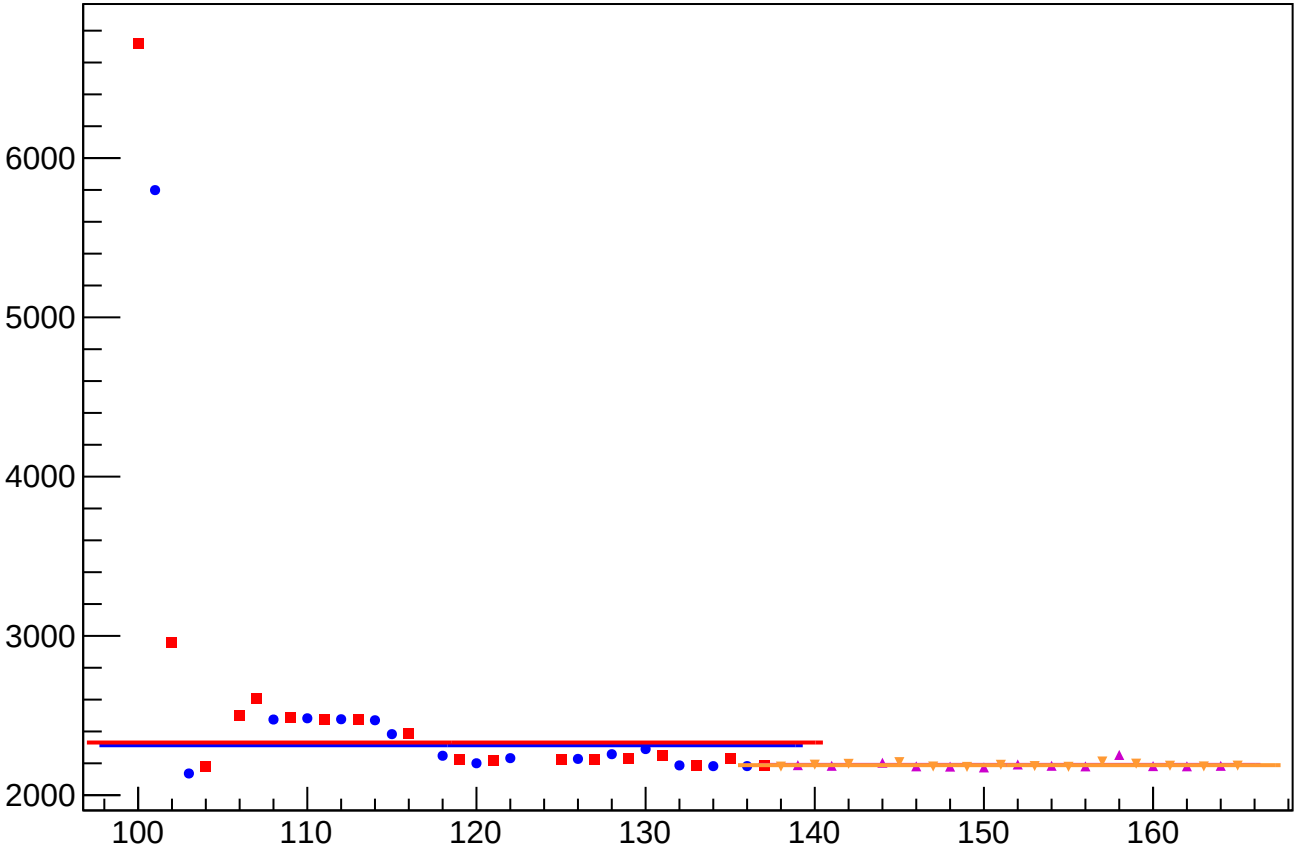
Left In: -3987.493+/-661.247 χ^2/NDF:28.6/12

+ sign 4270.544+/-526.682 χ^2/NDF: 29.0/29

All: 141.767+/-372.451 χ^2/NDF: 196.6/60

- sign -3988.367+/-526.768 χ^2/NDF: 44.7/30

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.412+/-0.466 χ^2/NDF:520.7/13

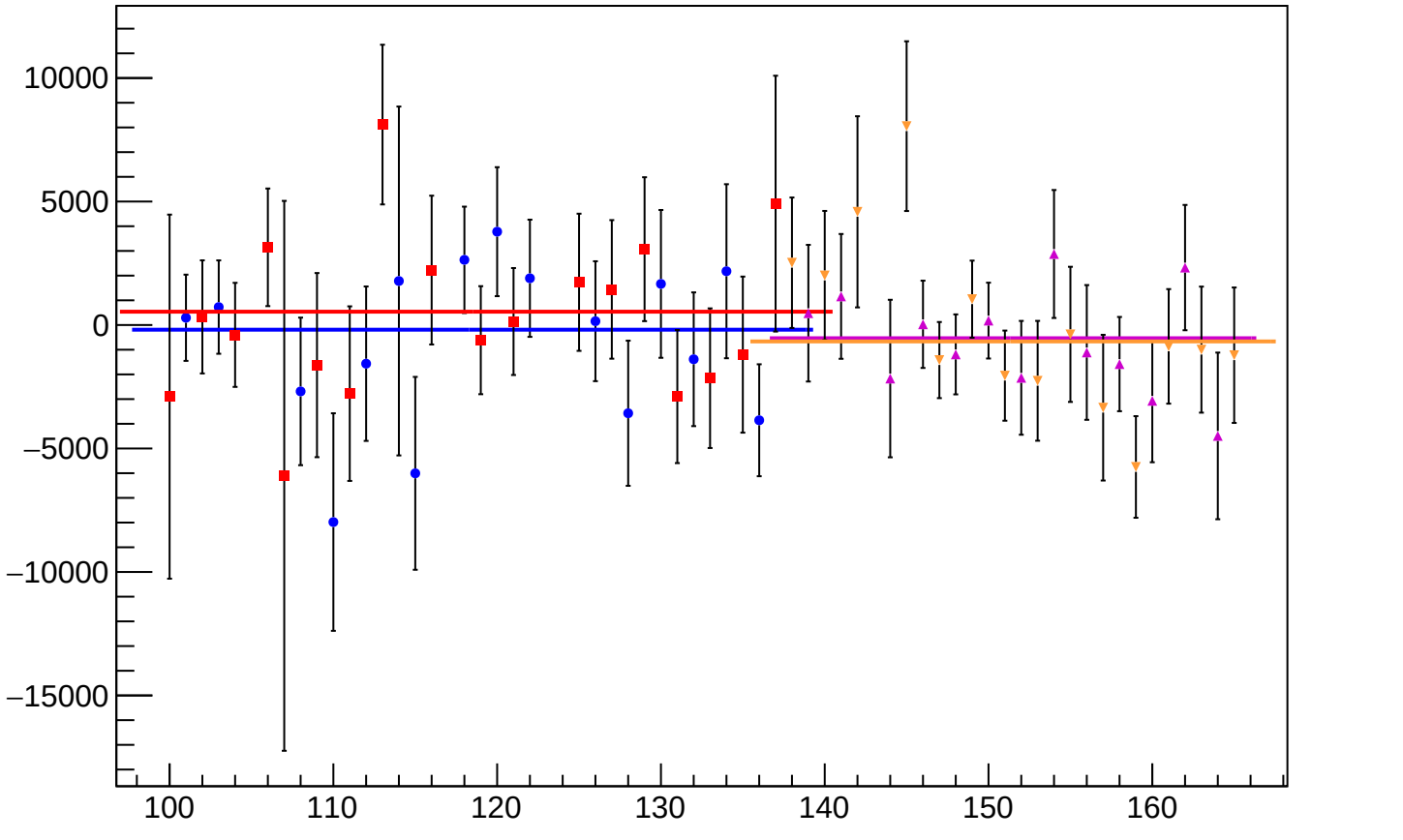
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

+ sign 2233.685+/-0.372 χ^2/NDF: 538917.7/29

All: 2237.565+/-0.263 χ^2/NDF: 725355.9/60

- sign 2241.445+/-0.372 χ^2/NDF: 186221.1/30



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -664.555+/-608.529 χ^2/NDF:20.2/13

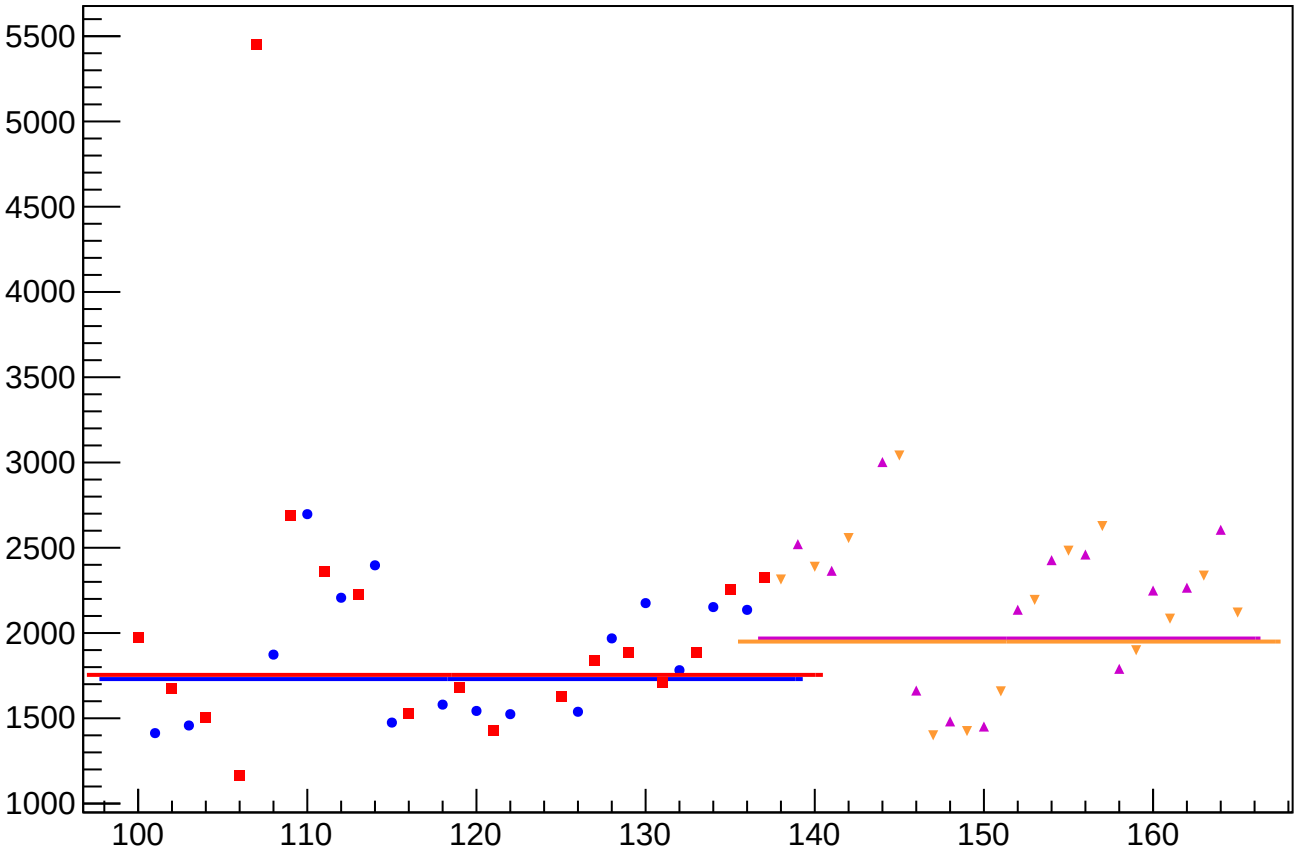
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -535.139+/-612.833 χ^2/NDF:7.6/12

+ sign -445.749+/-446.826 χ^2/NDF: 36.9/29

All: -252.360+/-318.701 χ^2/NDF: 60.2/60

- sign -52.095+/-454.701 χ^2/NDF: 22.9/30



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1949.875+/-0.430 χ^2/NDF:1140381.3/13

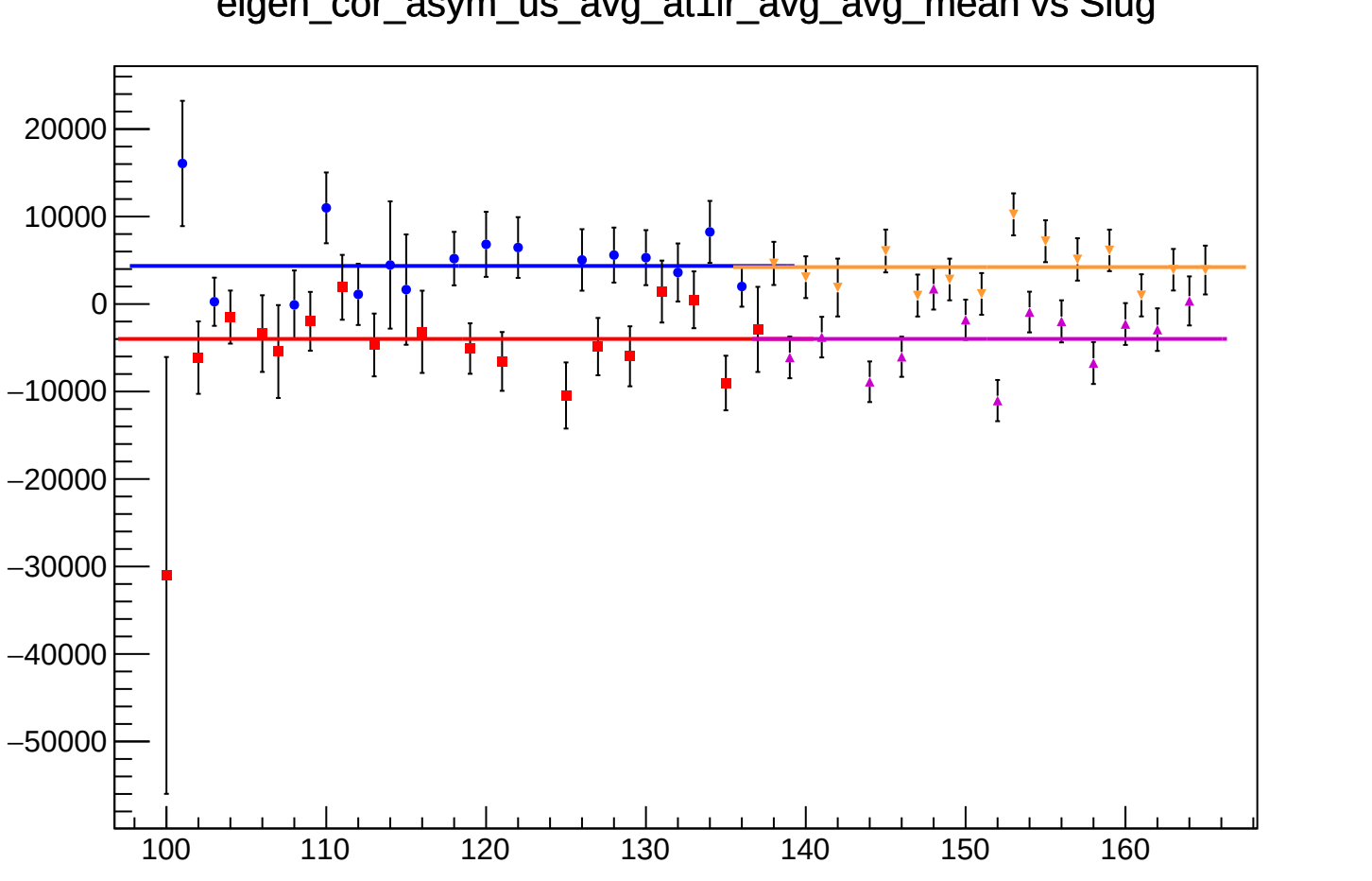
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1967.707+/-0.433 χ^2/NDF:1086776.0/12

+ sign 1848.500+/-0.316 χ^2/NDF: 1740721.1/29

All: 1859.988+/-0.225 χ^2/NDF: 3689980.4/60

- sign 1871.885+/-0.322 χ^2/NDF: 1946568.1/30



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4223.342+/-659.477 χ^2/NDF:15.6/13

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

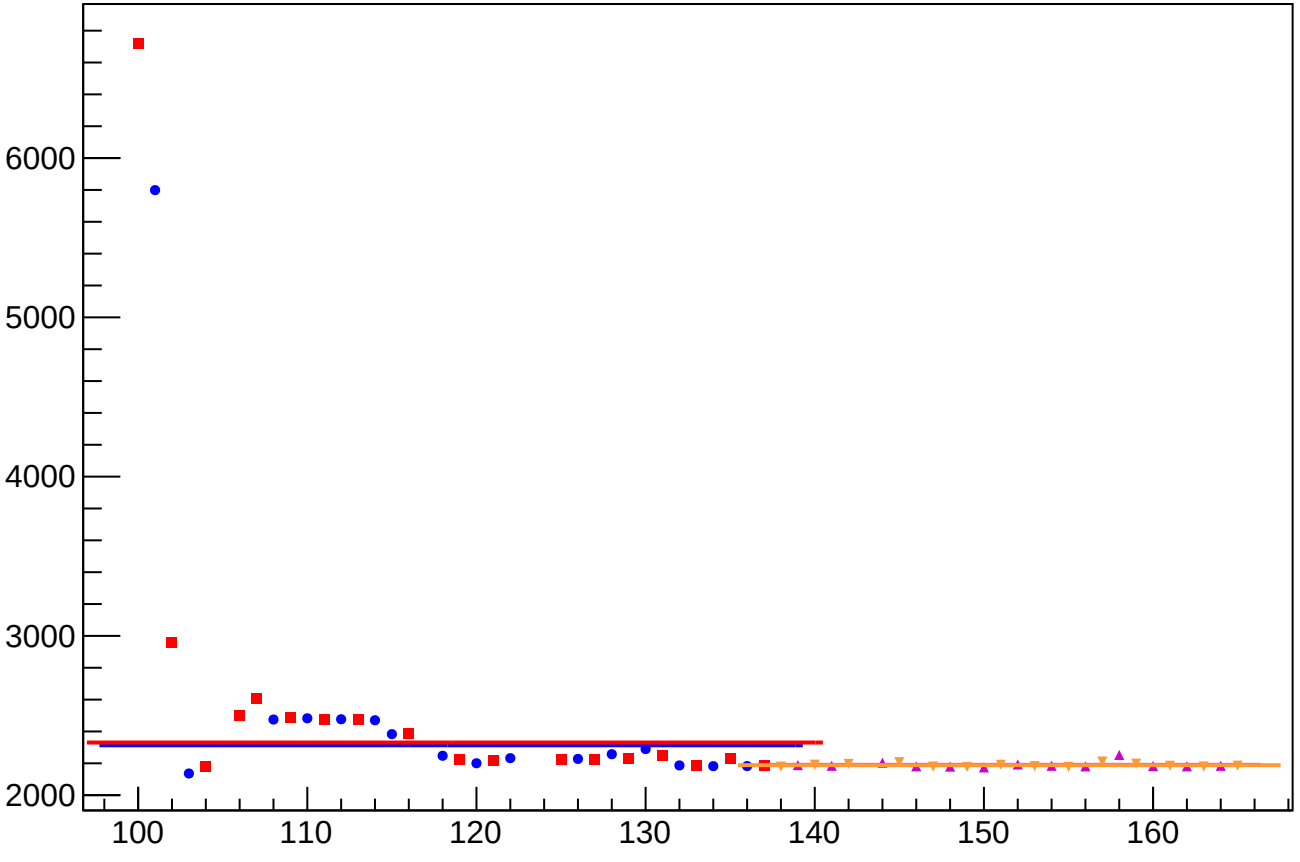
Left In: -3987.493+/-661.247 χ^2/NDF:28.6/12

+ sign 4270.544+/-526.682 χ^2/NDF: 29.0/29

All: 141.767+/-372.451 χ^2/NDF: 196.6/60

- sign -3988.367+/-526.768 χ^2/NDF: 44.7/30

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: 2188.412+/-0.466 χ^2/NDF:520.7/13

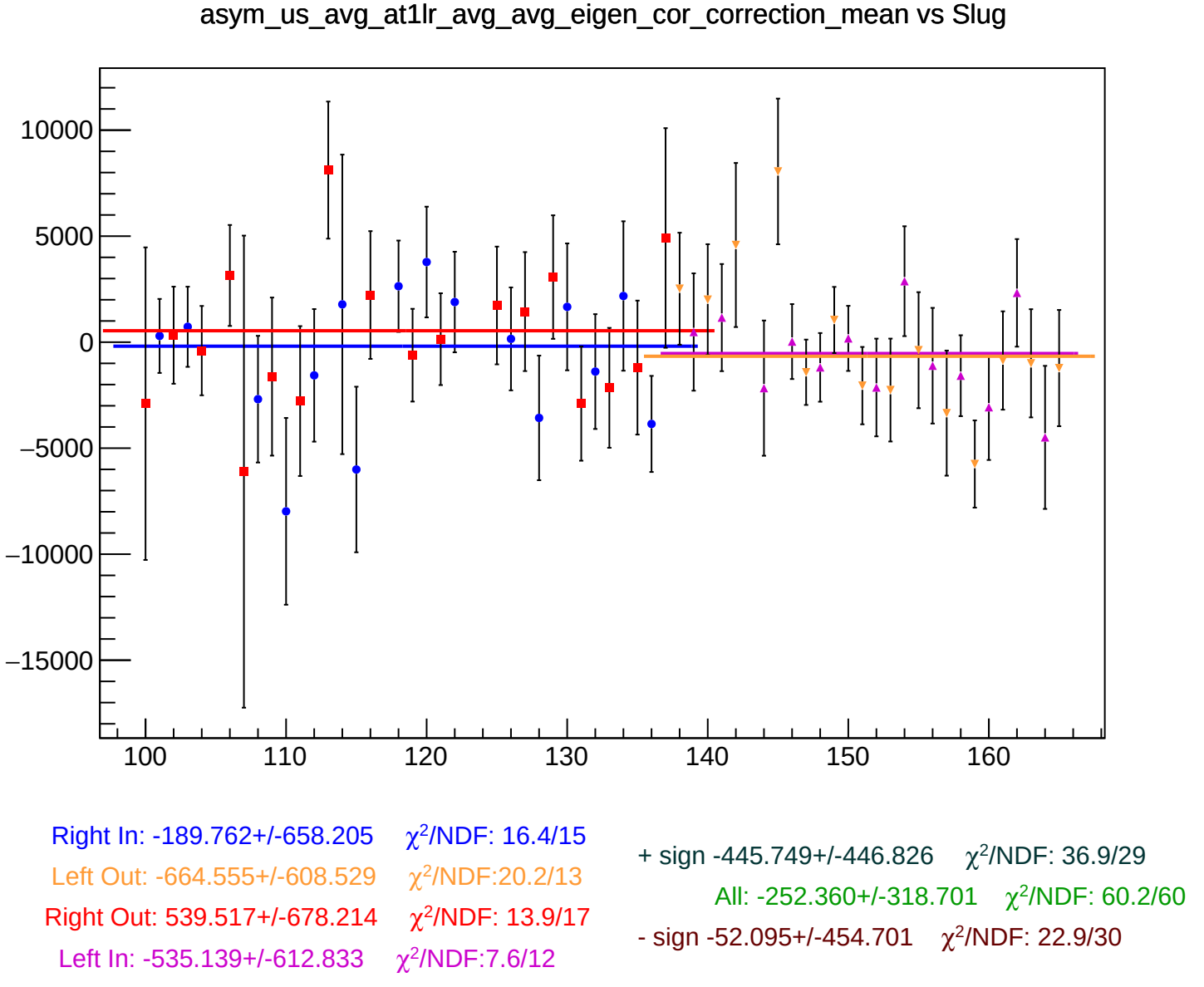
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

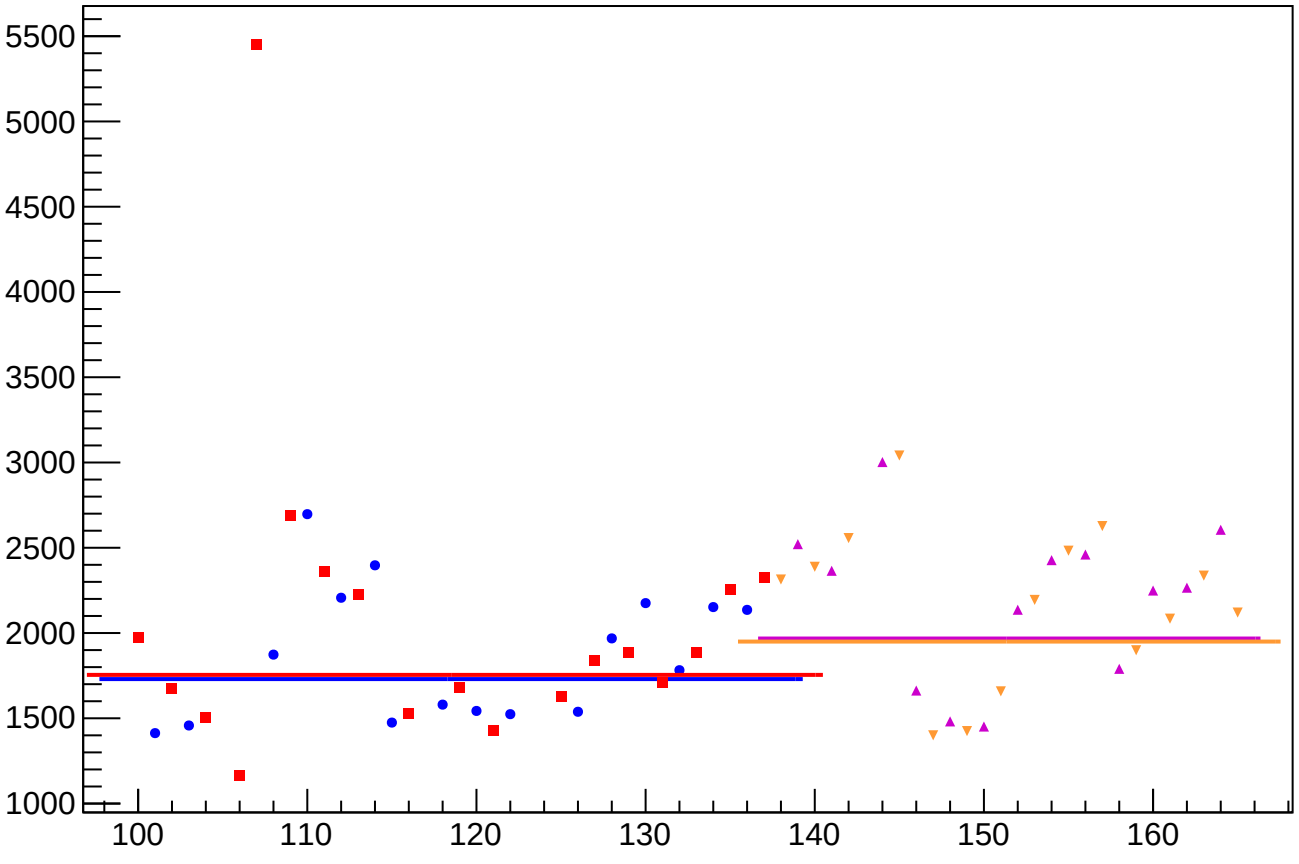
Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

+ sign 2233.685+/-0.372 χ^2/NDF: 538917.7/29

All: 2237.565+/-0.263 χ^2/NDF: 725355.9/60

- sign 2241.445+/-0.372 χ^2/NDF: 186221.1/30


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -664.555+/-608.529 χ²/NDF:20.2/13
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -535.139+/-612.833 χ²/NDF:7.6/12
+ sign -445.749+/-446.826 χ²/NDF: 36.9/29
All: -252.360+/-318.701 χ²/NDF: 60.2/60
- sign -52.095+/-454.701 χ²/NDF: 22.9/30



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1949.875+/-0.430 χ^2/NDF:1140381.3/13

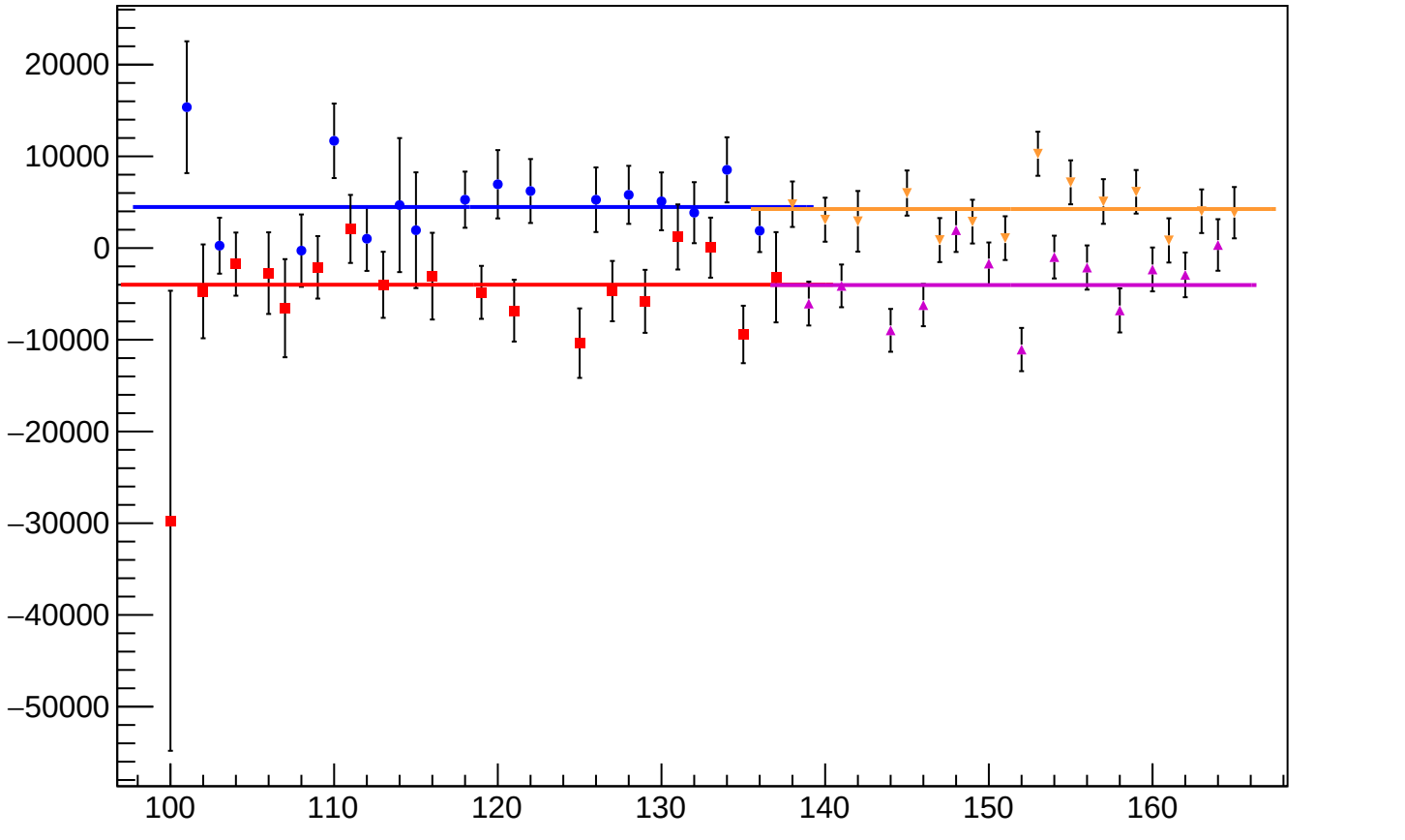
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1967.707+/-0.433 χ^2/NDF:1086776.0/12

+ sign 1848.500+/-0.316 χ^2/NDF: 1740721.1/29

All: 1859.988+/-0.225 χ^2/NDF: 3689980.4/60

- sign 1871.885+/-0.322 χ^2/NDF: 1946568.1/30



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4255.015+/-661.095 χ^2/NDF:15.6/13

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

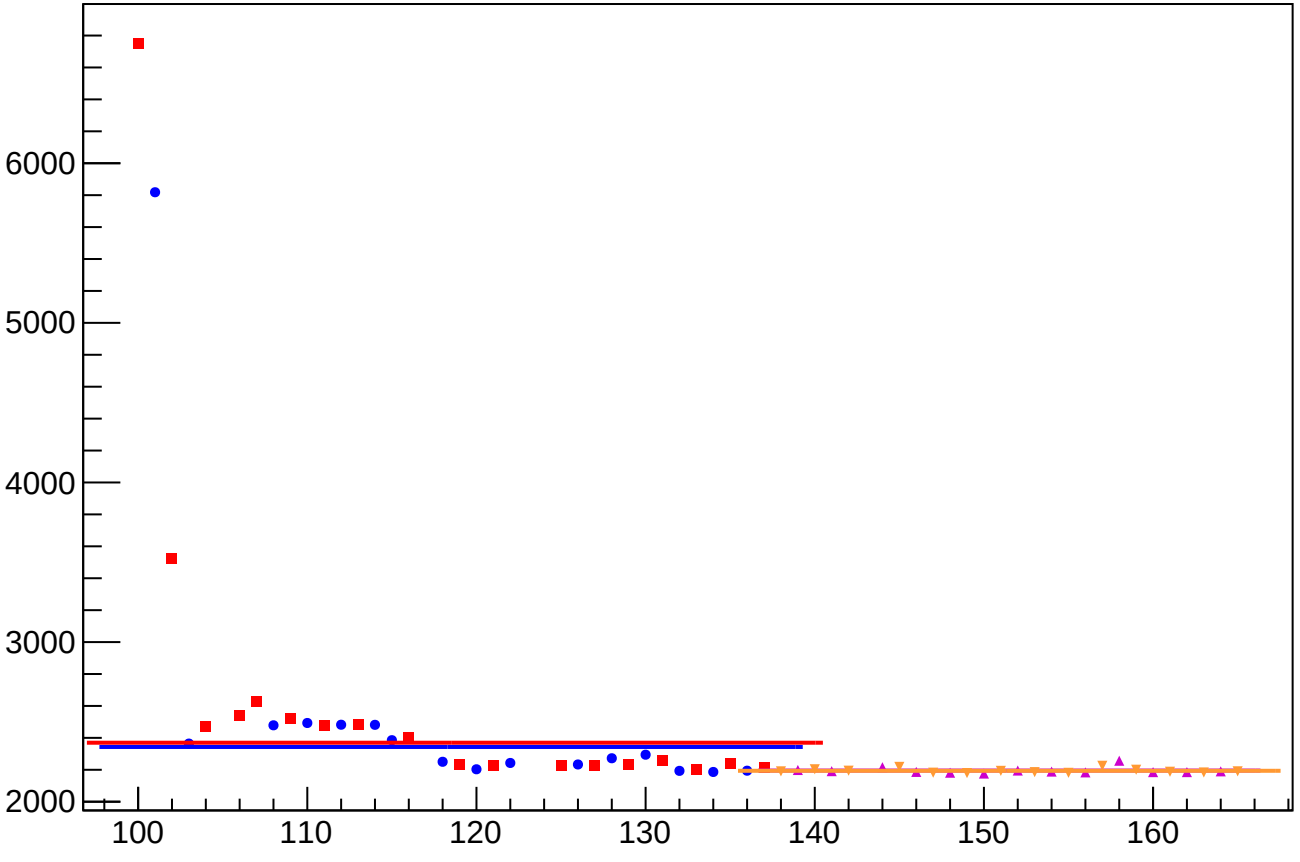
Left In: -4033.403+/-662.786 χ^2/NDF:29.2/12

+ sign 4334.191+/-529.870 χ^2/NDF: 29.2/29

All: 171.270+/-375.310 χ^2/NDF: 197.7/60

- sign -4019.999+/-531.671 χ^2/NDF: 44.6/30

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.681+/-0.467 χ^2/NDF:838.4/13

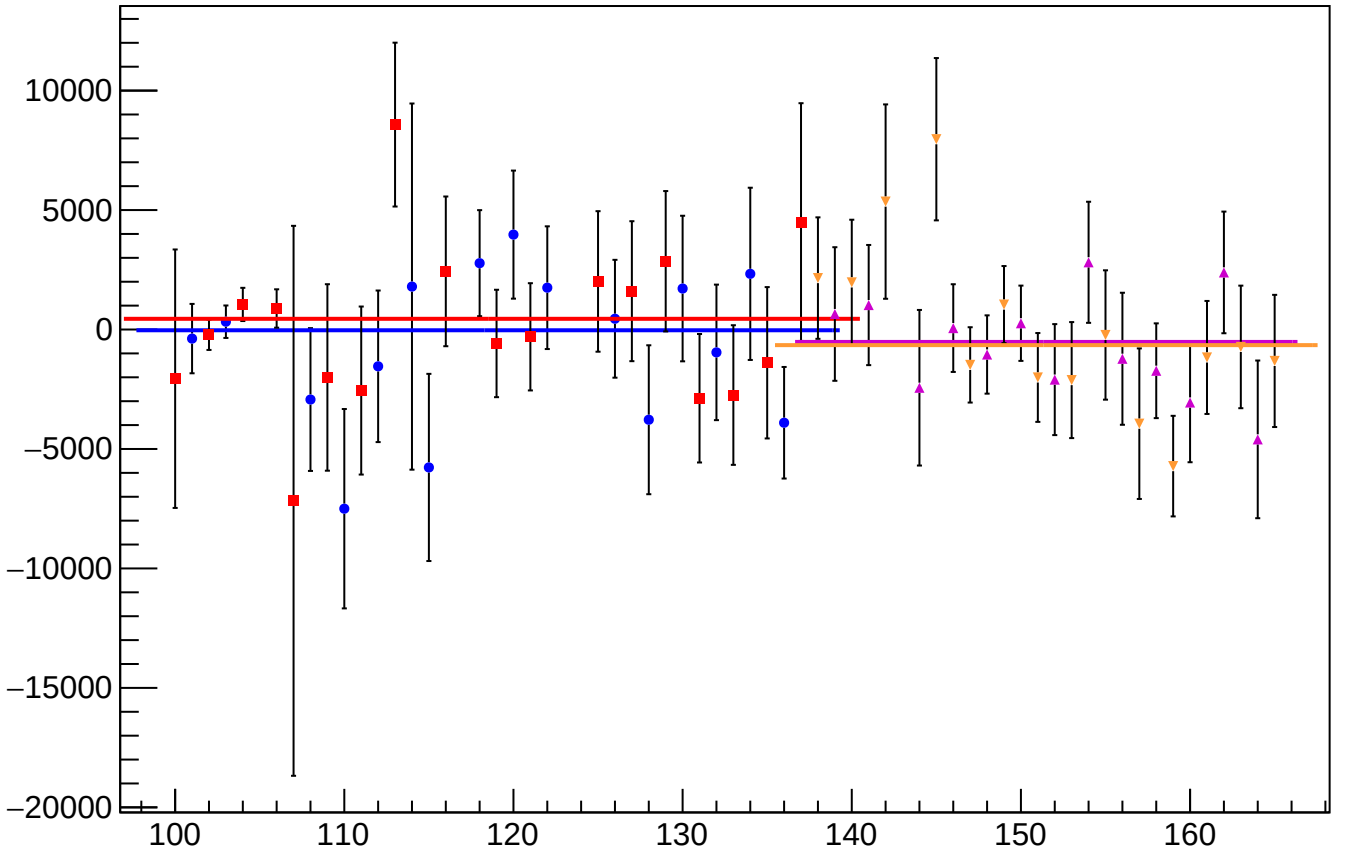
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.157+/-0.469 χ^2/NDF:1839.6/12

+ sign 2247.045+/-0.375 χ^2/NDF: 540148.0/29

All: 2252.174+/-0.265 χ^2/NDF: 801889.1/60

- sign 2257.338+/-0.376 χ^2/NDF: 261365.0/30



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -653.441+/-618.116 χ^2/NDF:20.1/13

Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

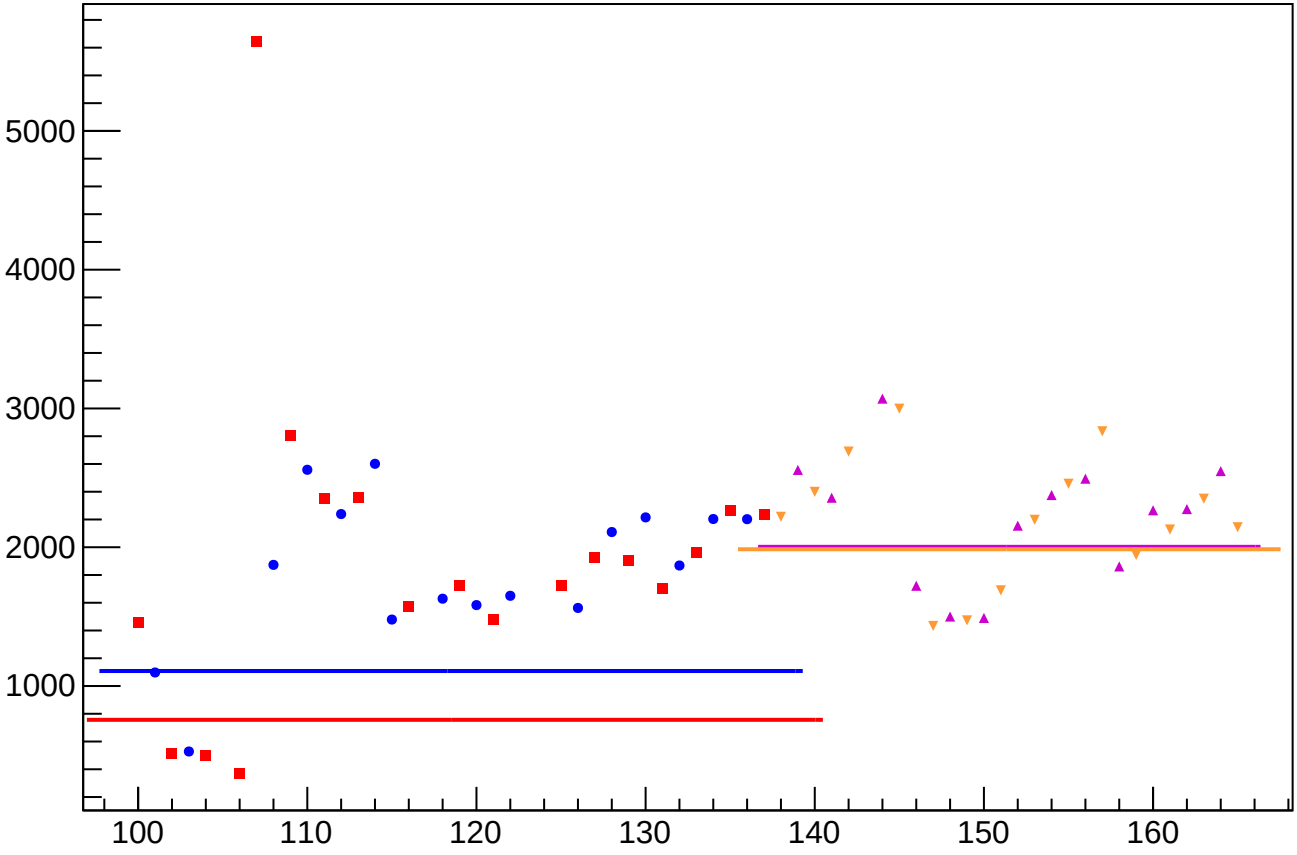
Left In: -519.471+/-621.990 χ^2/NDF:7.8/12

+ sign -268.629+/-381.723 χ^2/NDF: 37.1/29

All: 13.113+/-242.146 χ^2/NDF: 62.7/60

- sign 202.828+/-313.237 χ^2/NDF: 24.7/30

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1985.449+/-0.437 χ^2/NDF:1079553.6/13

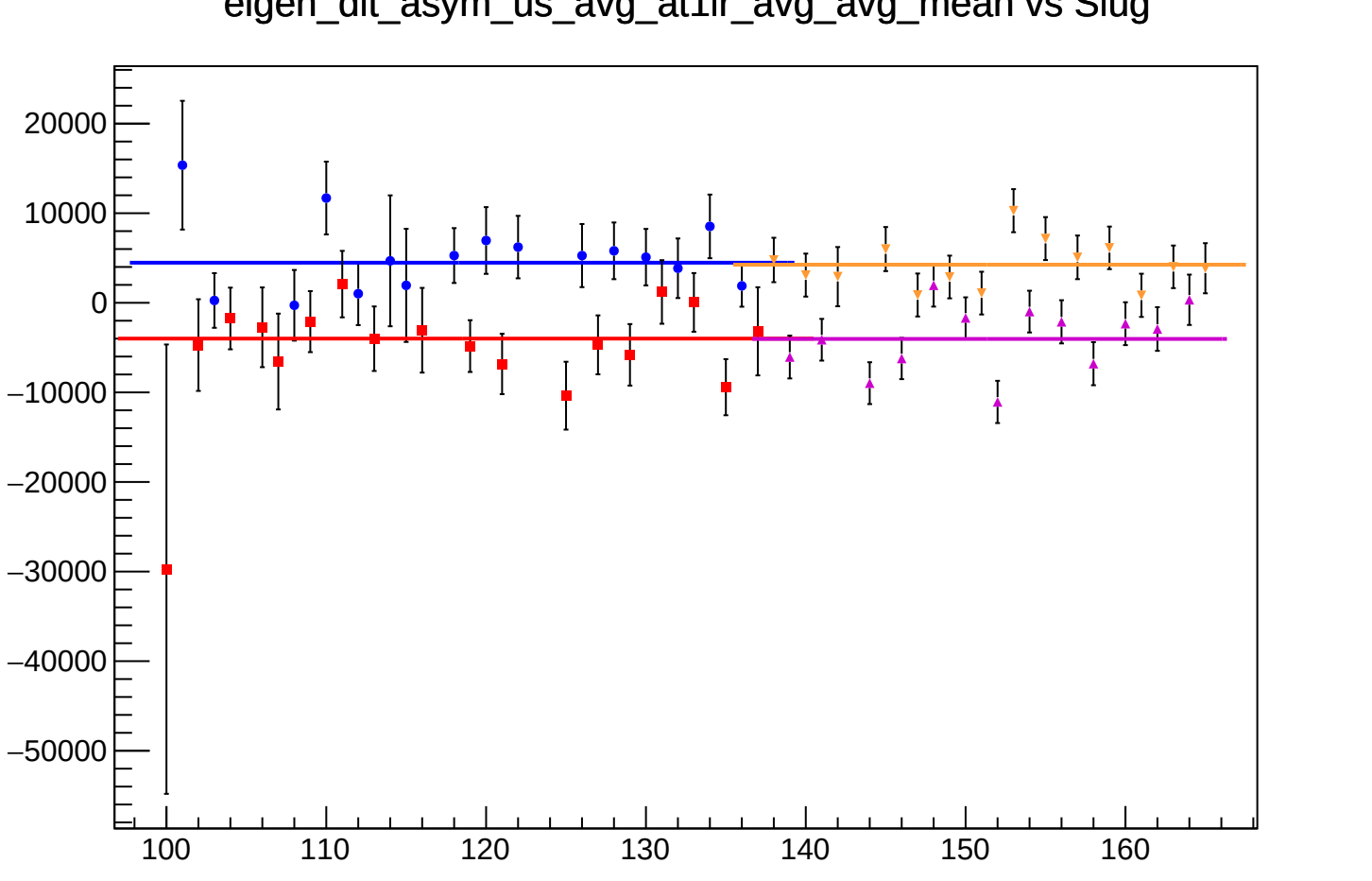
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2002.966+/-0.440 χ^2/NDF:1004629.4/12

+ sign 1442.727+/-0.270 χ^2/NDF: 7318450.1/29

All: 1221.518+/-0.171 χ^2/NDF: 21045921.7/6

- sign 1072.565+/-0.221 χ^2/NDF: 12603572.5/30



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4255.012+/-661.095 χ^2/NDF:15.6/13

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

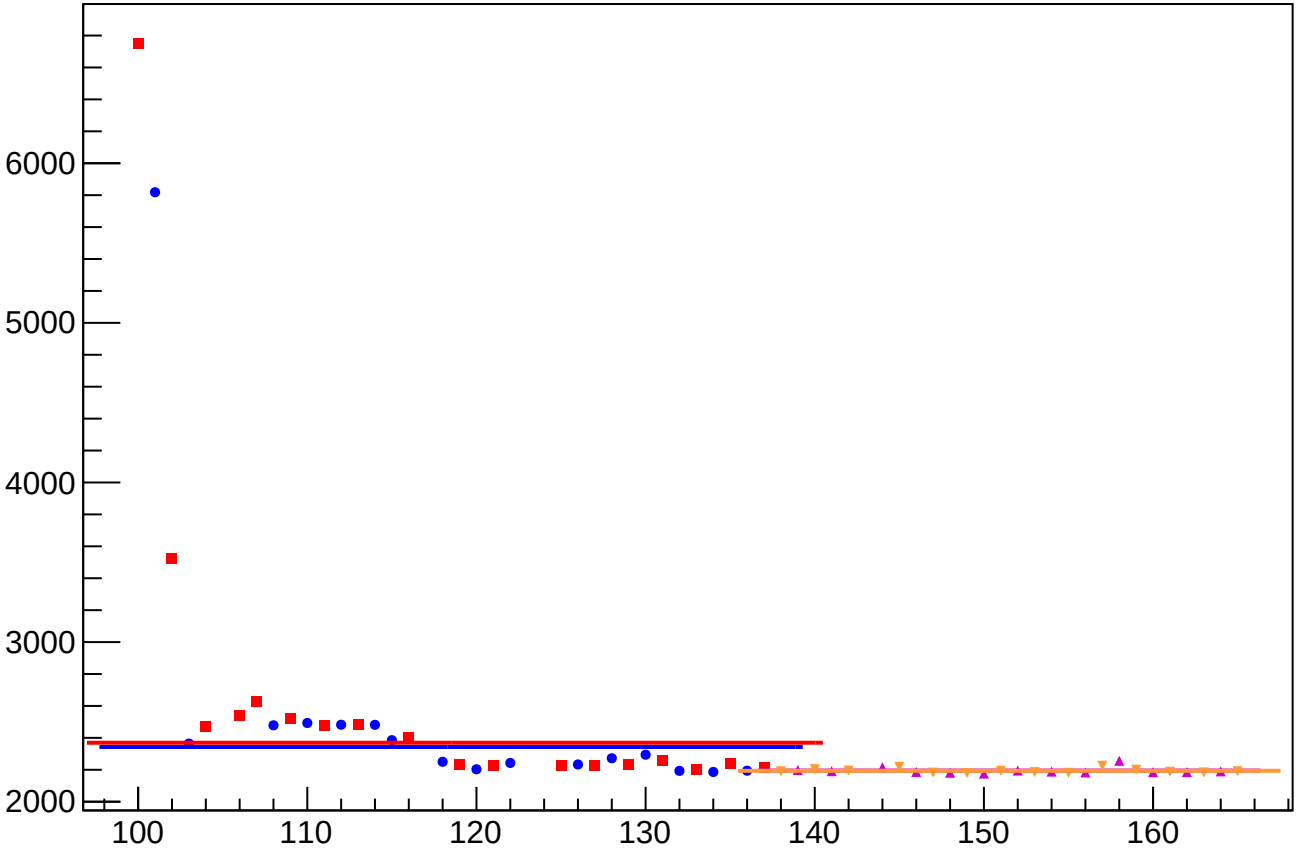
Left In: -4033.405+/-662.786 χ^2/NDF:29.2/12

+ sign 4334.188+/-529.870 χ^2/NDF: 29.2/29

All: 171.268+/-375.310 χ^2/NDF: 197.7/60

- sign -4019.999+/-531.671 χ^2/NDF: 44.6/30

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: 2193.681+/-0.467 χ^2/NDF:838.4/13

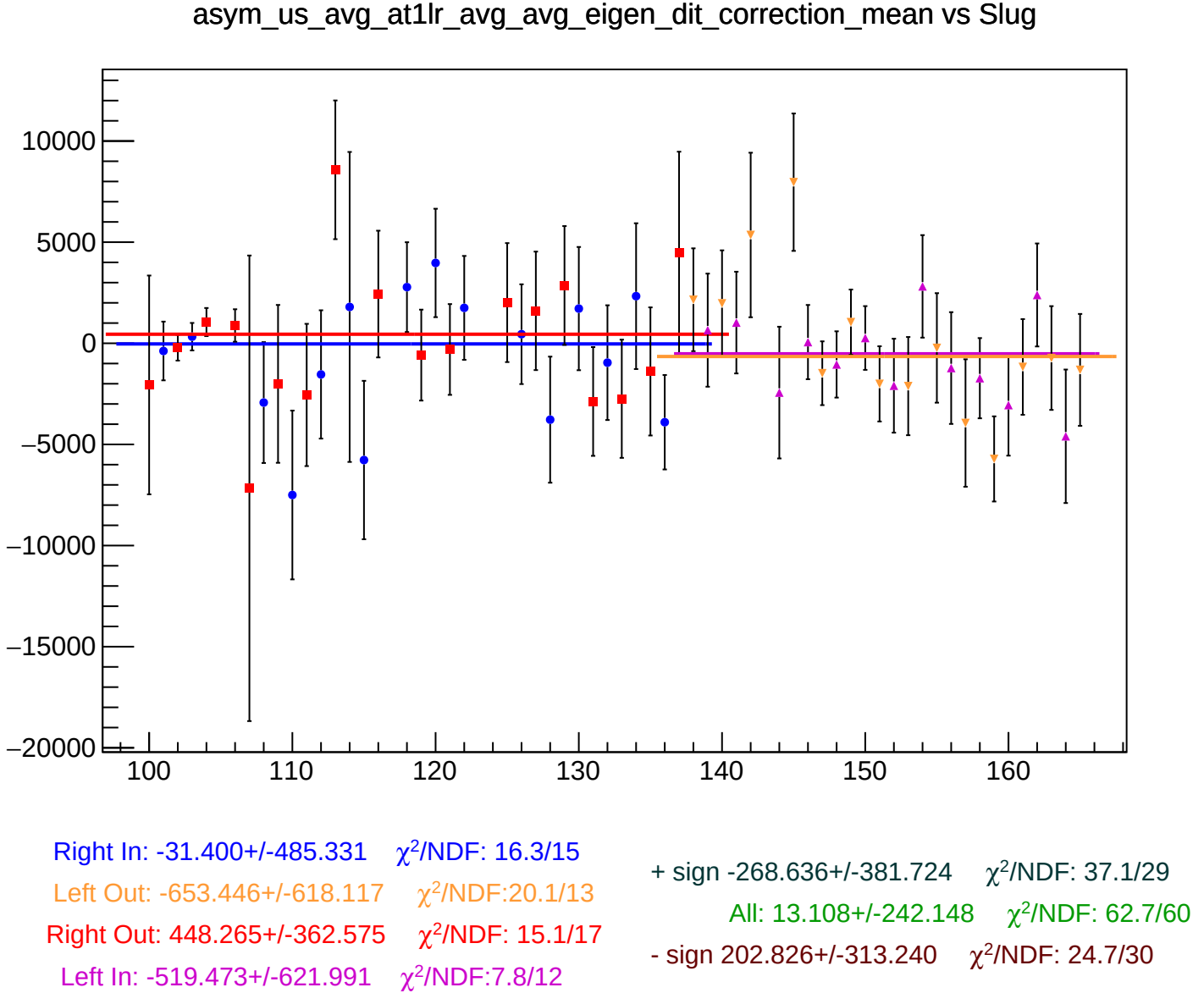
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

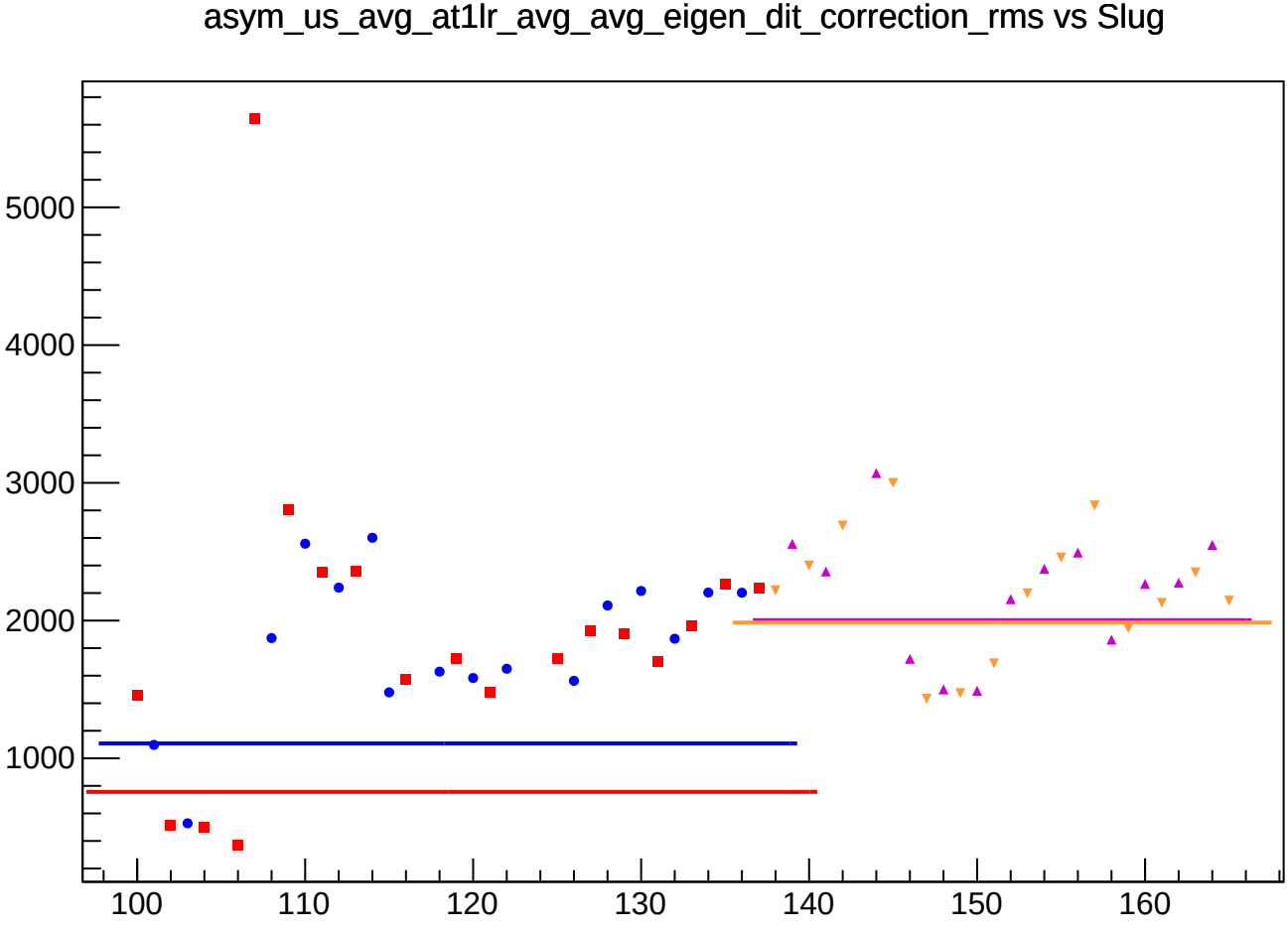
Left In: 2195.157+/-0.469 χ^2/NDF:1839.6/12

+ sign 2247.045+/-0.375 χ^2/NDF: 540147.8/29

All: 2252.174+/-0.265 χ^2/NDF: 801887.5/60

- sign 2257.338+/-0.376 χ^2/NDF: 261363.6/30


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: -653.446+/-618.117 χ²/NDF:20.1/13
Right Out: 448.265+/-362.575 χ²/NDF: 15.1/17
Left In: -519.473+/-621.991 χ²/NDF:7.8/12
+ sign -268.636+/-381.724 χ²/NDF: 37.1/29
All: 13.108+/-242.148 χ²/NDF: 62.7/60
- sign 202.826+/-313.240 χ²/NDF: 24.7/30



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1985.453+/-0.437 χ^2/NDF:1079553.7/13

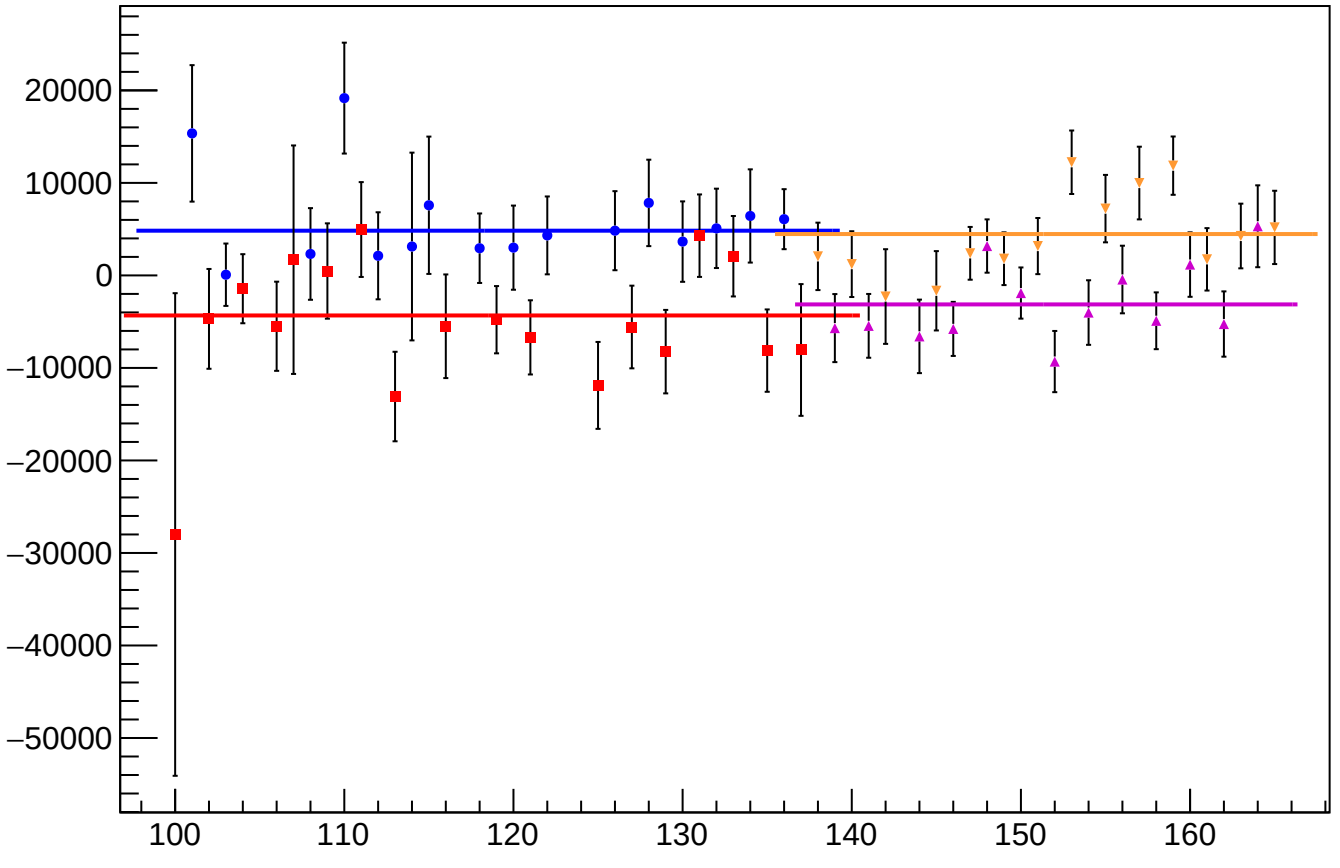
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2002.969+/-0.440 χ^2/NDF:1004628.8/12

+ sign 1442.736+/-0.270 χ^2/NDF: 7318324.3/29

All: 1221.534+/-0.171 χ^2/NDF: 21045444.4/6

- sign 1072.582+/-0.221 χ^2/NDF: 12603287.7/30



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4470.930+/-928.138 χ^2/NDF:20.5/13

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

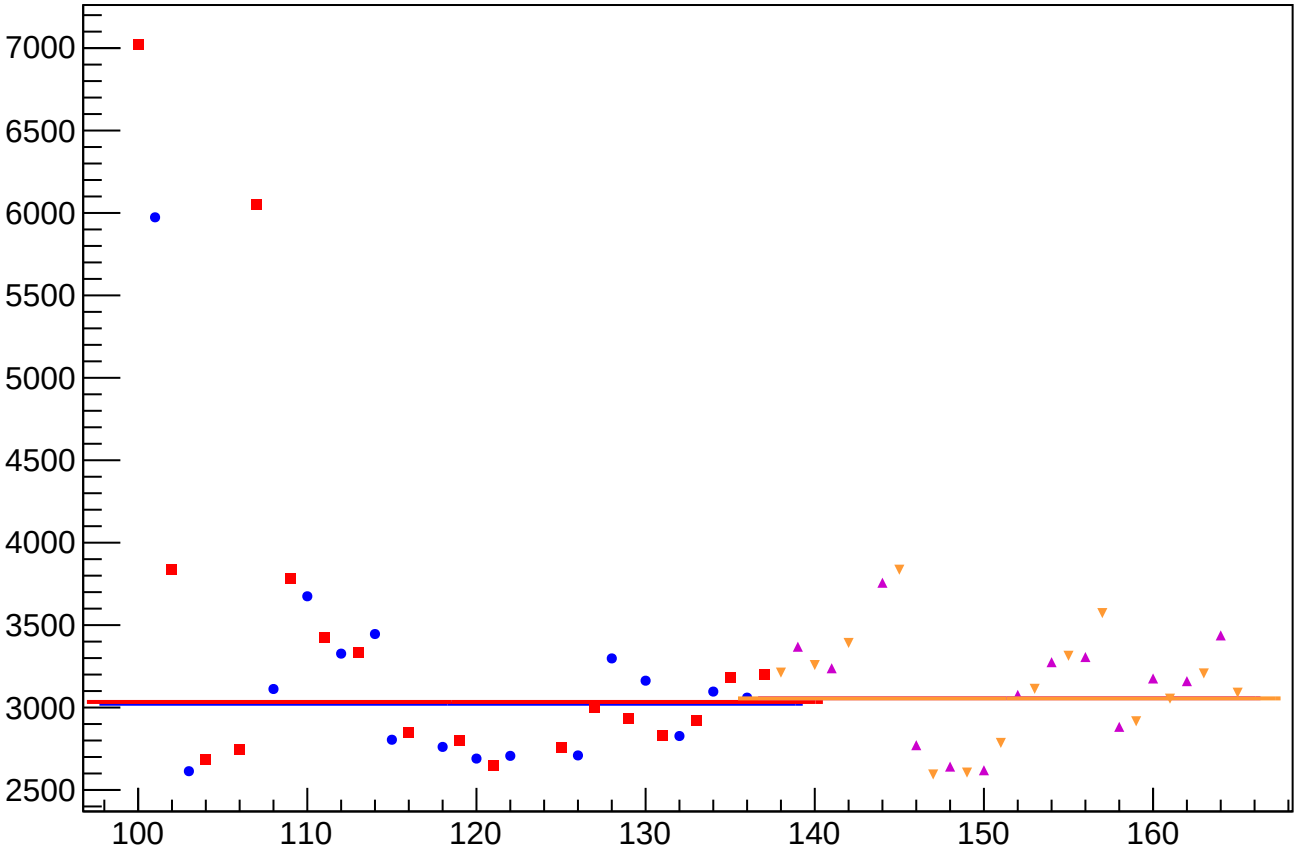
Left In: -3134.429+/-929.303 χ^2/NDF:17.5/12

+ sign 4615.194+/-720.394 χ^2/NDF: 32.2/29

All: 509.126+/-509.765 χ^2/NDF: 135.3/60

- sign -3608.896+/-721.442 χ^2/NDF: 38.0/30

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3055.429+/-0.656 χ^2/NDF:256219.2/13

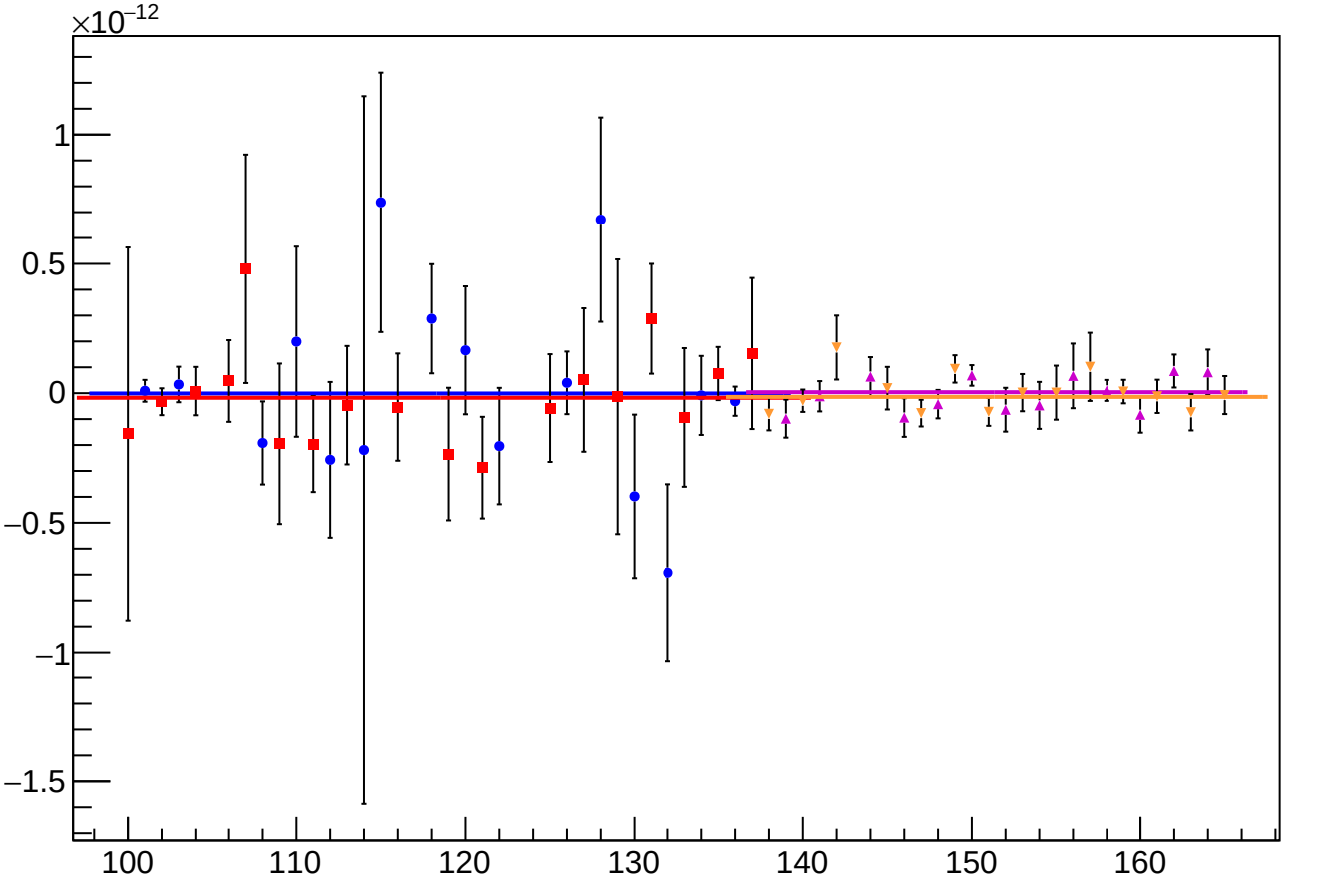
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3056.638+/-0.657 χ^2/NDF:235134.5/12

+ sign 3042.564+/-0.509 χ^2/NDF: 700891.6/29

All: 3045.074+/-0.360 χ^2/NDF: 1279226.5/60

- sign 3047.591+/-0.510 χ^2/NDF: 578286.2/30



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/13

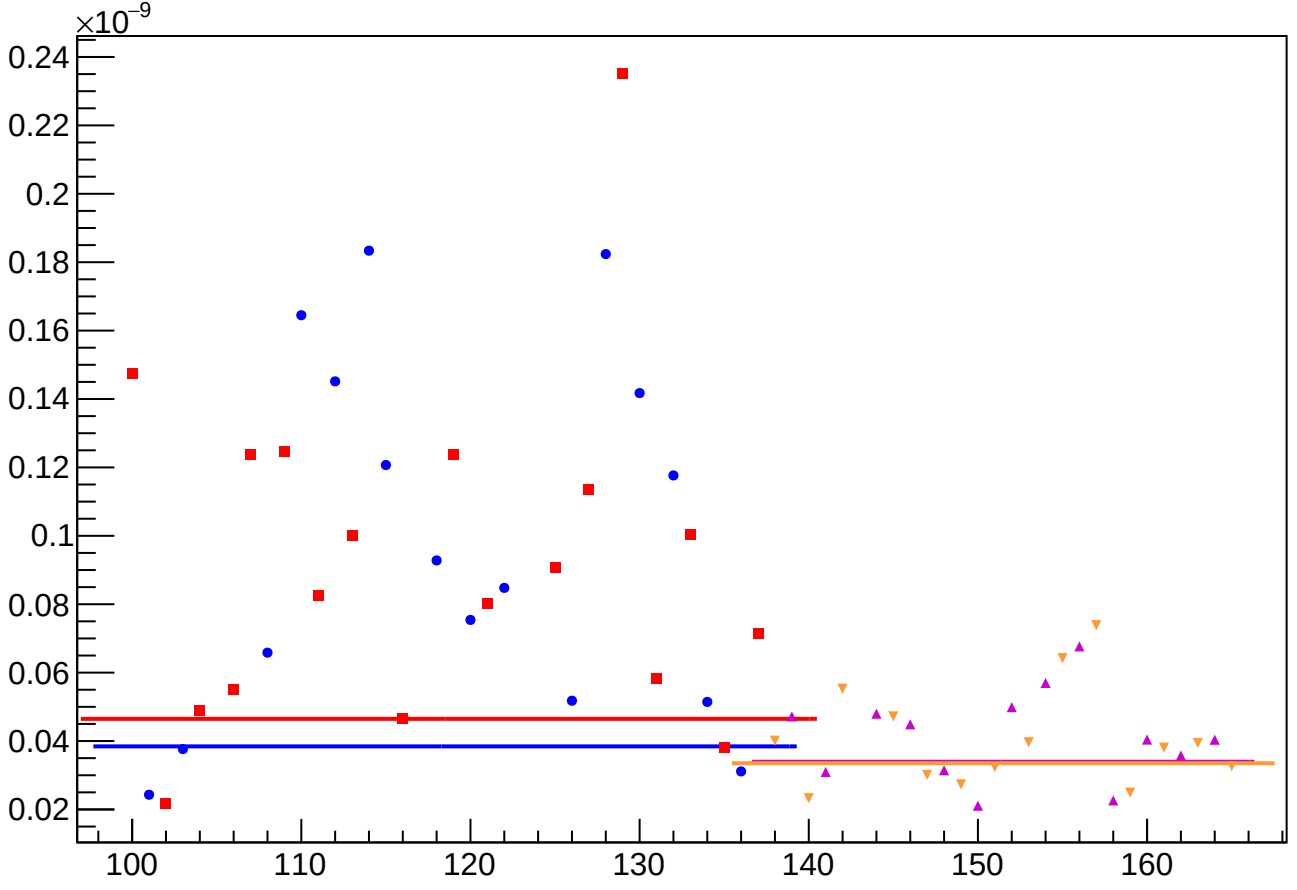
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/29

All: -0.000+/-0.000 χ^2/NDF: 52.1/60

- sign -0.000+/-0.000 χ^2/NDF: 22.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:761110.3/13

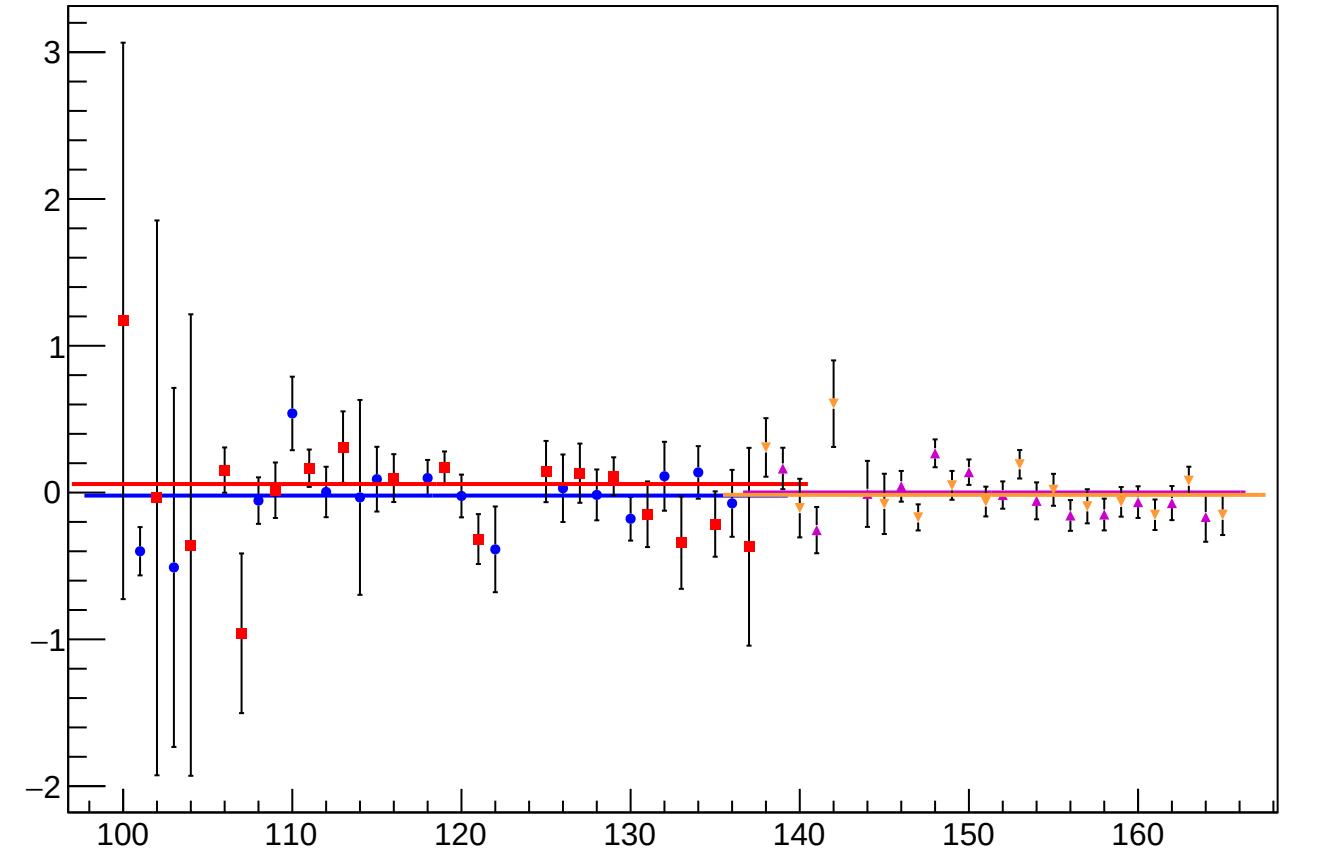
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:929764.9/12

\+ sign 0.000+/-0.000 χ^2/NDF: 2579869.5/29

All: 0.000+/-0.000 χ^2/NDF: 5429235.6/60

\- sign 0.000+/-0.000 χ^2/NDF: 2837815.2/30



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.016+/-0.031 χ^2/NDF:20.0/13

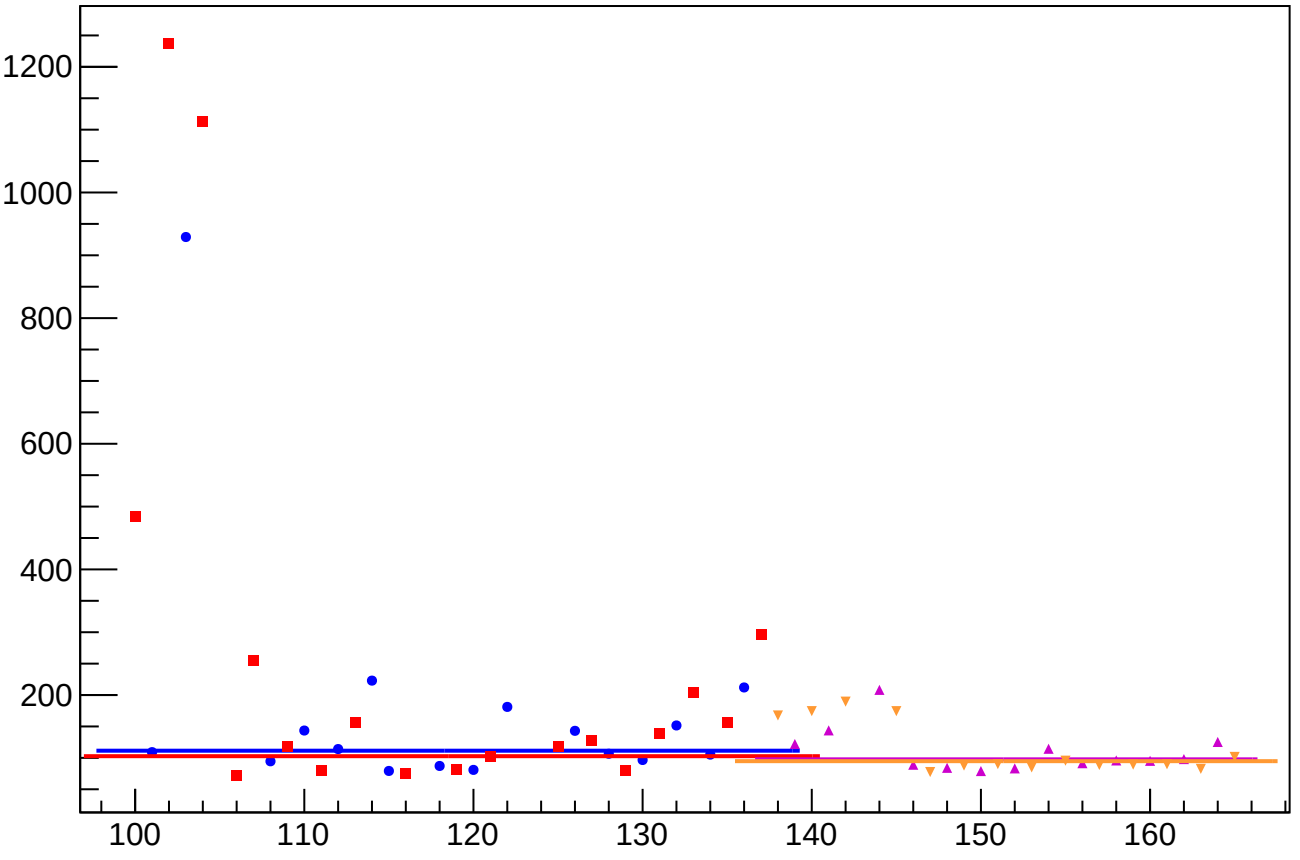
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.001+/-0.032 χ^2/NDF:20.7/12

+ sign -0.017+/-0.026 χ^2/NDF: 35.7/29

All: 0.001+/-0.018 χ^2/NDF: 75.2/60

- sign 0.019+/-0.026 χ^2/NDF: 38.6/30



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 94.749+/-0.022 χ^2/NDF:1256236.7/13

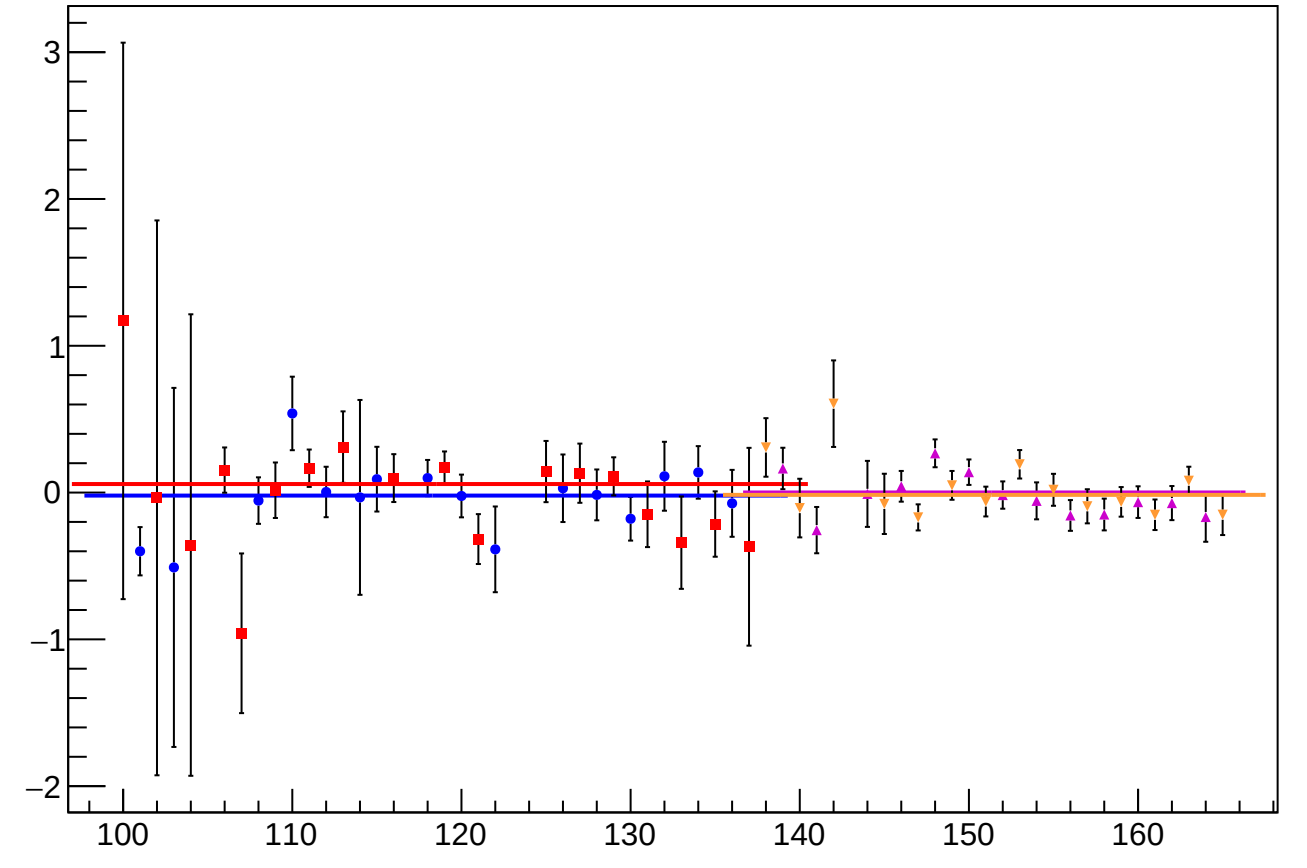
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.655+/-0.022 χ^2/NDF:1006373.6/12

+ sign 99.741+/-0.018 χ^2/NDF: 3266920.3/29

All: 99.497+/-0.013 χ^2/NDF: 7116450.2/60

- sign 99.251+/-0.019 χ^2/NDF: 3849177.0/30



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.016+/-0.031 χ^2/NDF:20.0/13

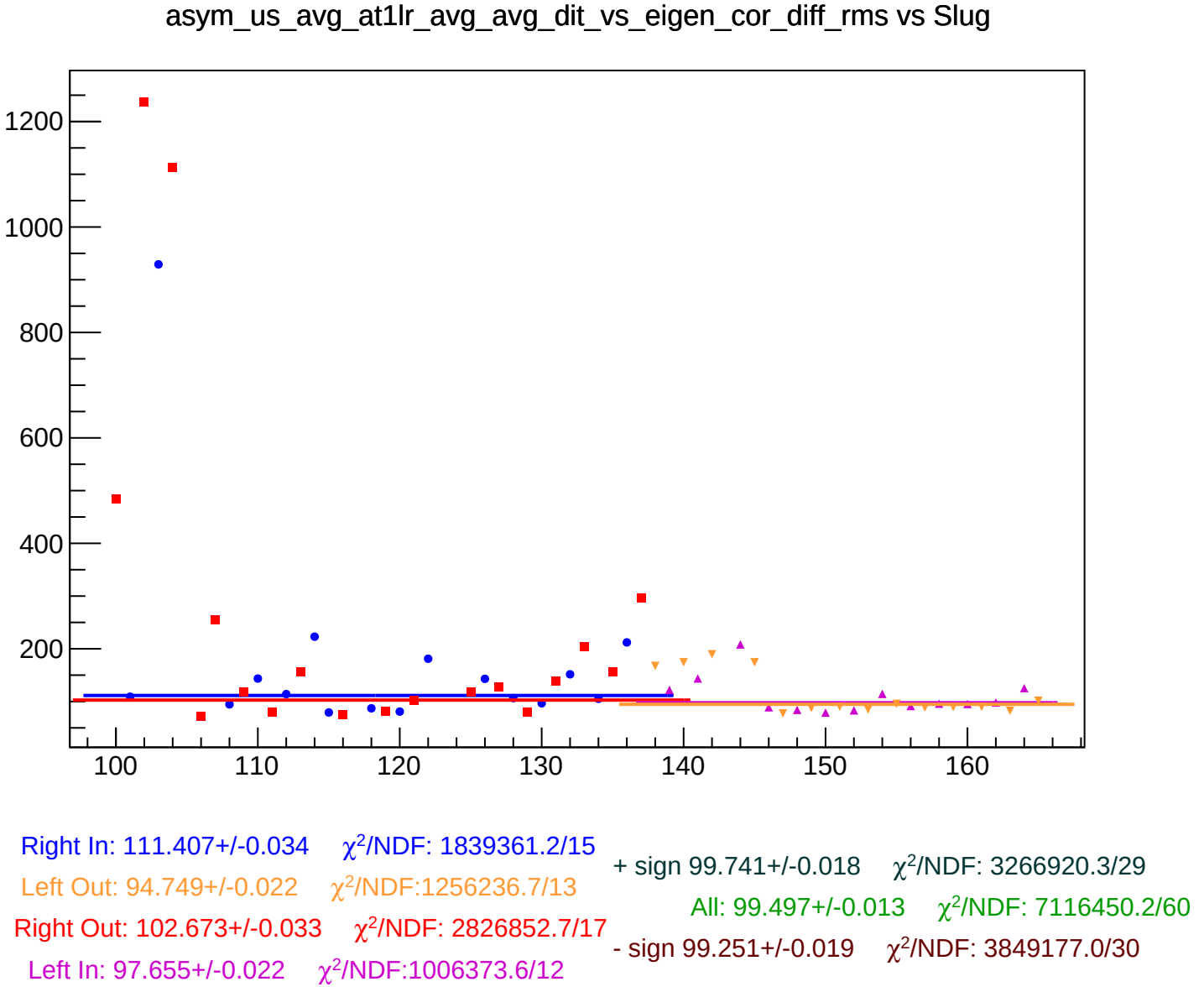
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

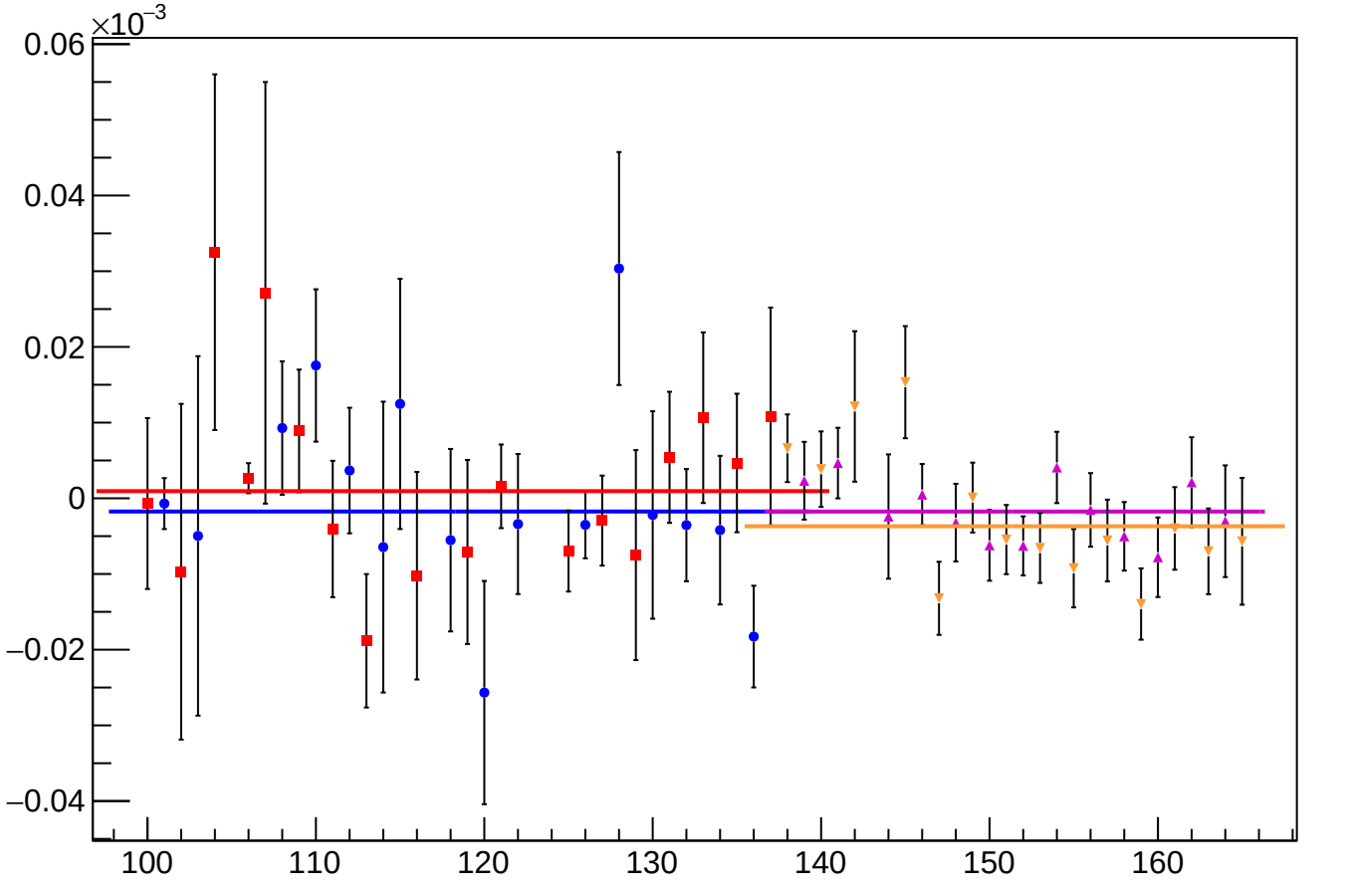
Left In: 0.001+/-0.032 χ^2/NDF:20.7/12

+ sign -0.017+/-0.026 χ^2/NDF: 35.7/29

All: 0.001+/-0.018 χ^2/NDF: 75.2/60

- sign 0.019+/-0.026 χ^2/NDF: 38.6/30


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 94.749+/-0.022 χ²/NDF:1256236.7/13
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 97.655+/-0.022 χ²/NDF:1006373.6/12
+ sign 99.741+/-0.018 χ²/NDF: 3266920.3/29
All: 99.497+/-0.013 χ²/NDF: 7116450.2/60
- sign 99.251+/-0.019 χ²/NDF: 3849177.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.3/13

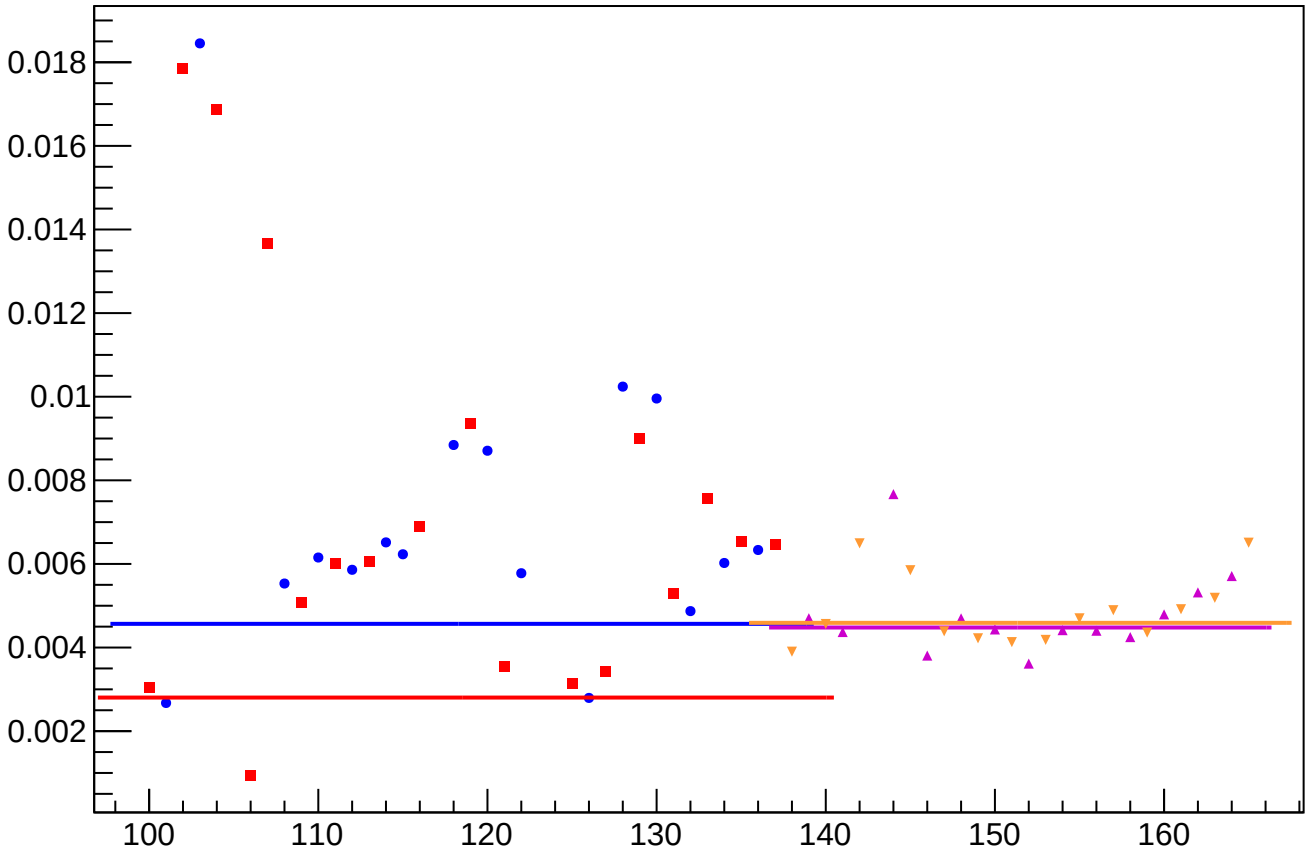
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:9.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 49.0/29

All: -0.000+/-0.000 χ^2/NDF: 78.2/60

- sign -0.000+/-0.000 χ^2/NDF: 26.5/30



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:377488.7/13

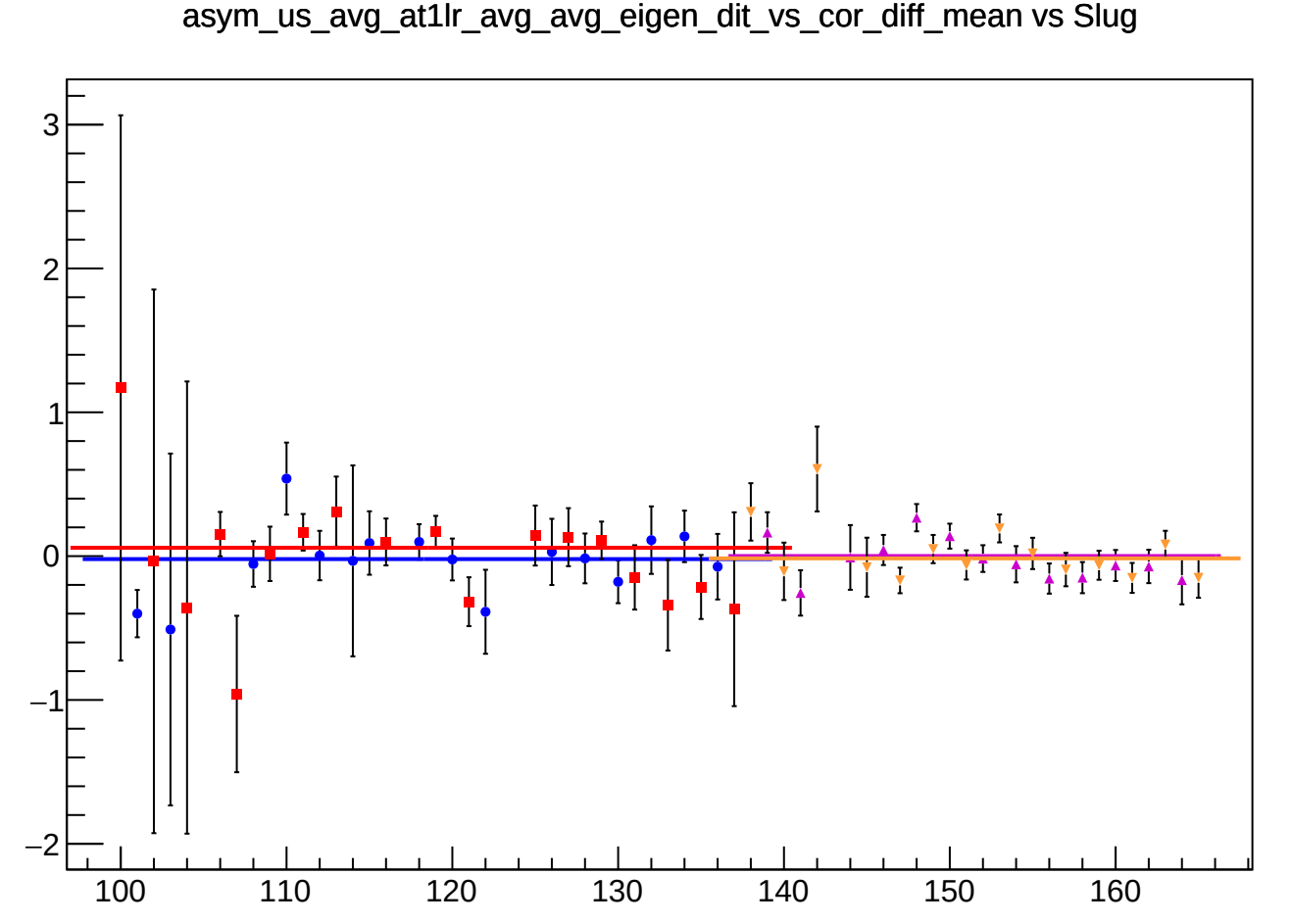
Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:572274.5/12

+ sign 0.005+/-0.000 χ^2/NDF: 3389951.5/29

All: 0.004+/-0.000 χ^2/NDF: 12619763.5/60

- sign 0.004+/-0.000 χ^2/NDF: 8558761.9/30



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.016+/-0.031 χ^2/NDF:20.0/13

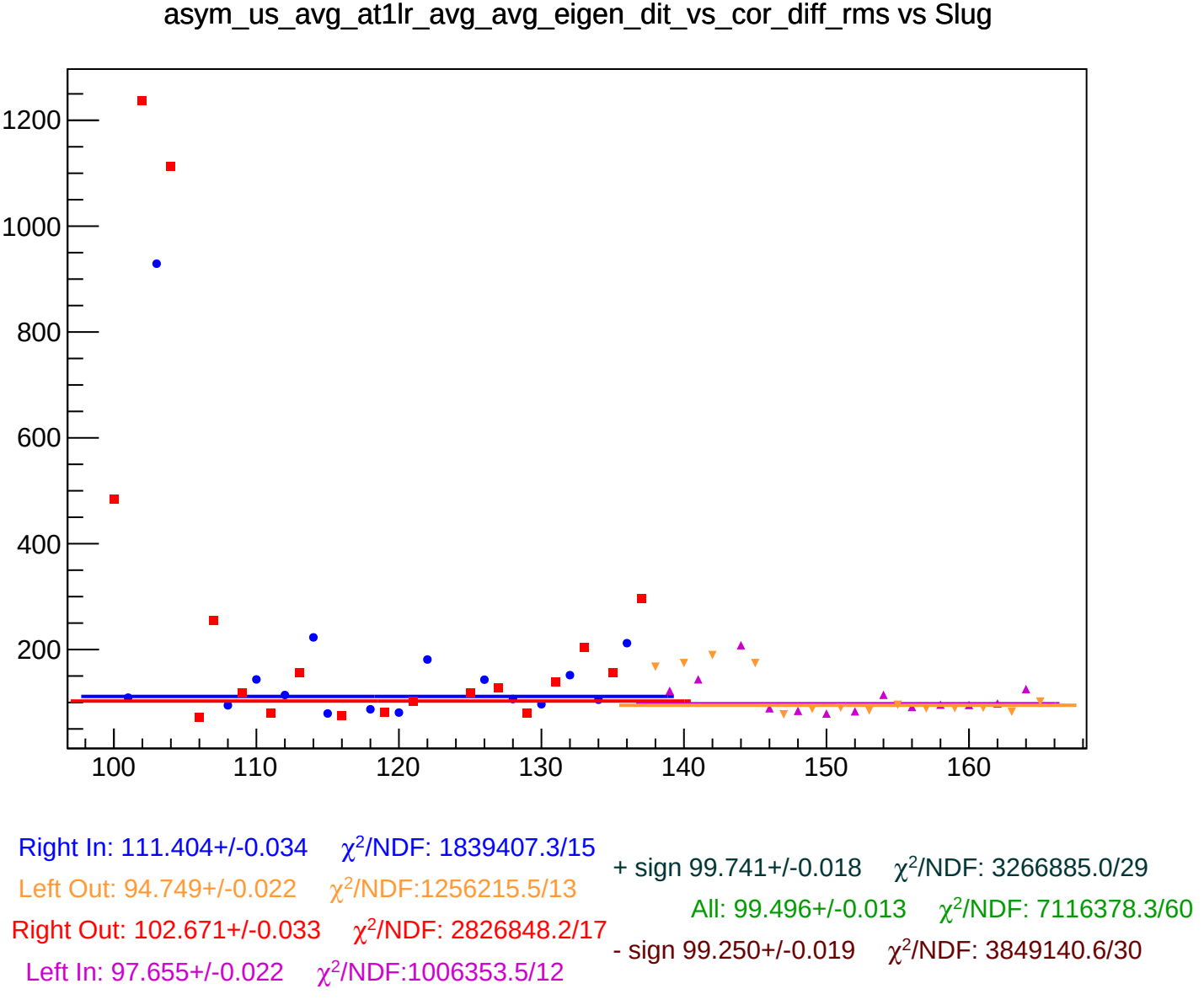
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.001+/-0.032 χ^2/NDF:20.7/12

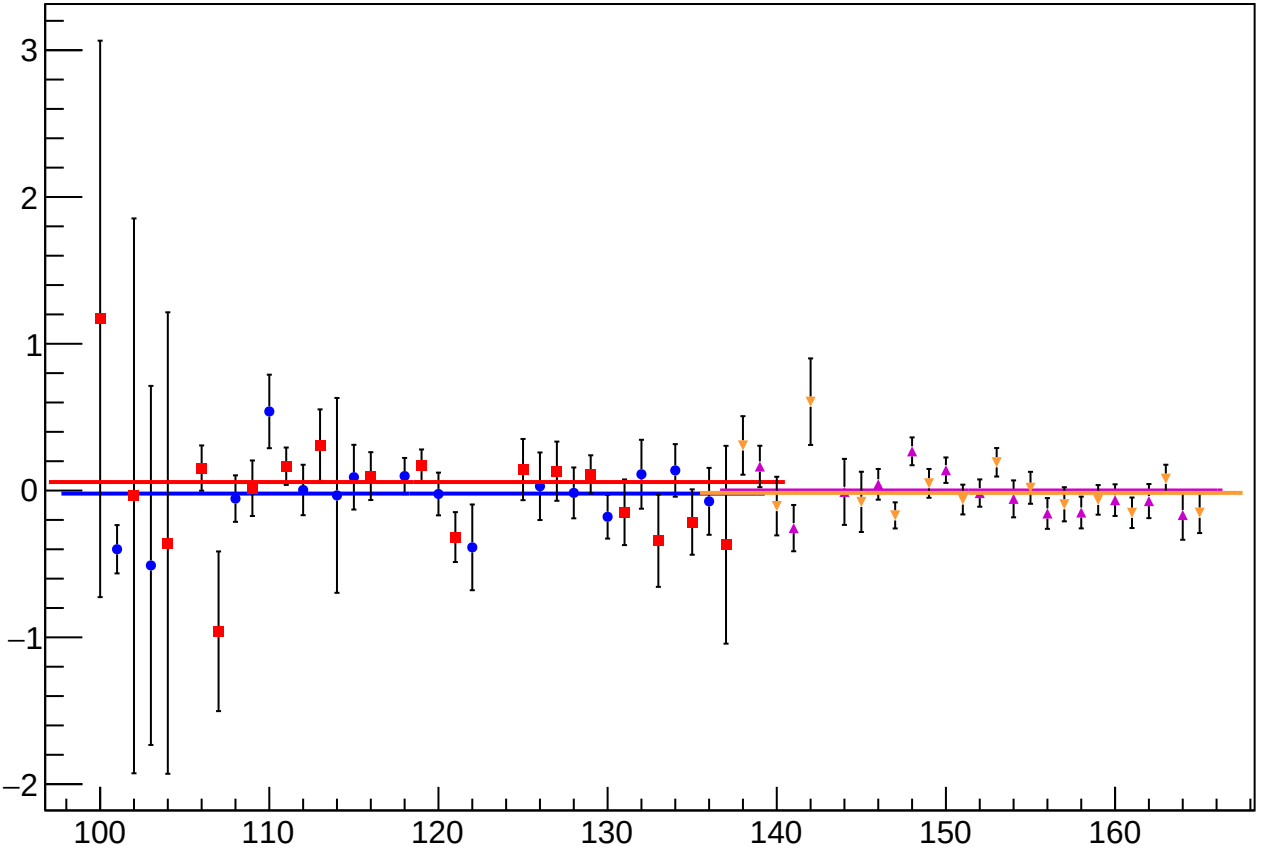
+ sign -0.017+/-0.026 χ^2/NDF: 35.7/29

All: 0.001+/-0.018 χ^2/NDF: 75.2/60

- sign 0.019+/-0.026 χ^2/NDF: 38.6/30


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 94.749+/-0.022 χ²/NDF:1256215.5/13
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 97.655+/-0.022 χ²/NDF:1006353.5/12
+ sign 99.741+/-0.018 χ²/NDF: 3266885.0/29
All: 99.496+/-0.013 χ²/NDF: 7116378.3/60
- sign 99.250+/-0.019 χ²/NDF: 3849140.6/30

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: -0.016+/-0.031 χ^2/NDF:20.0/13

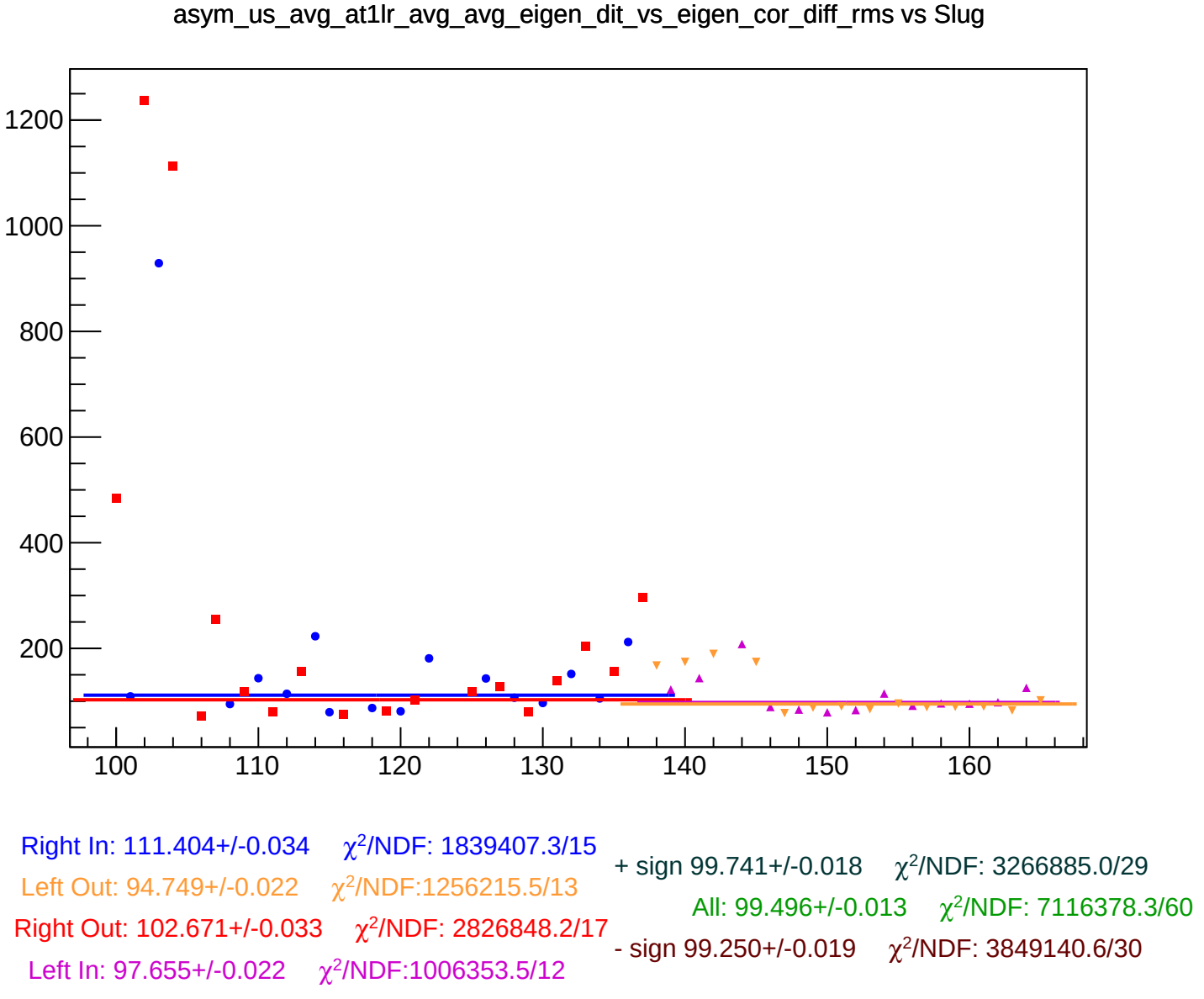
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

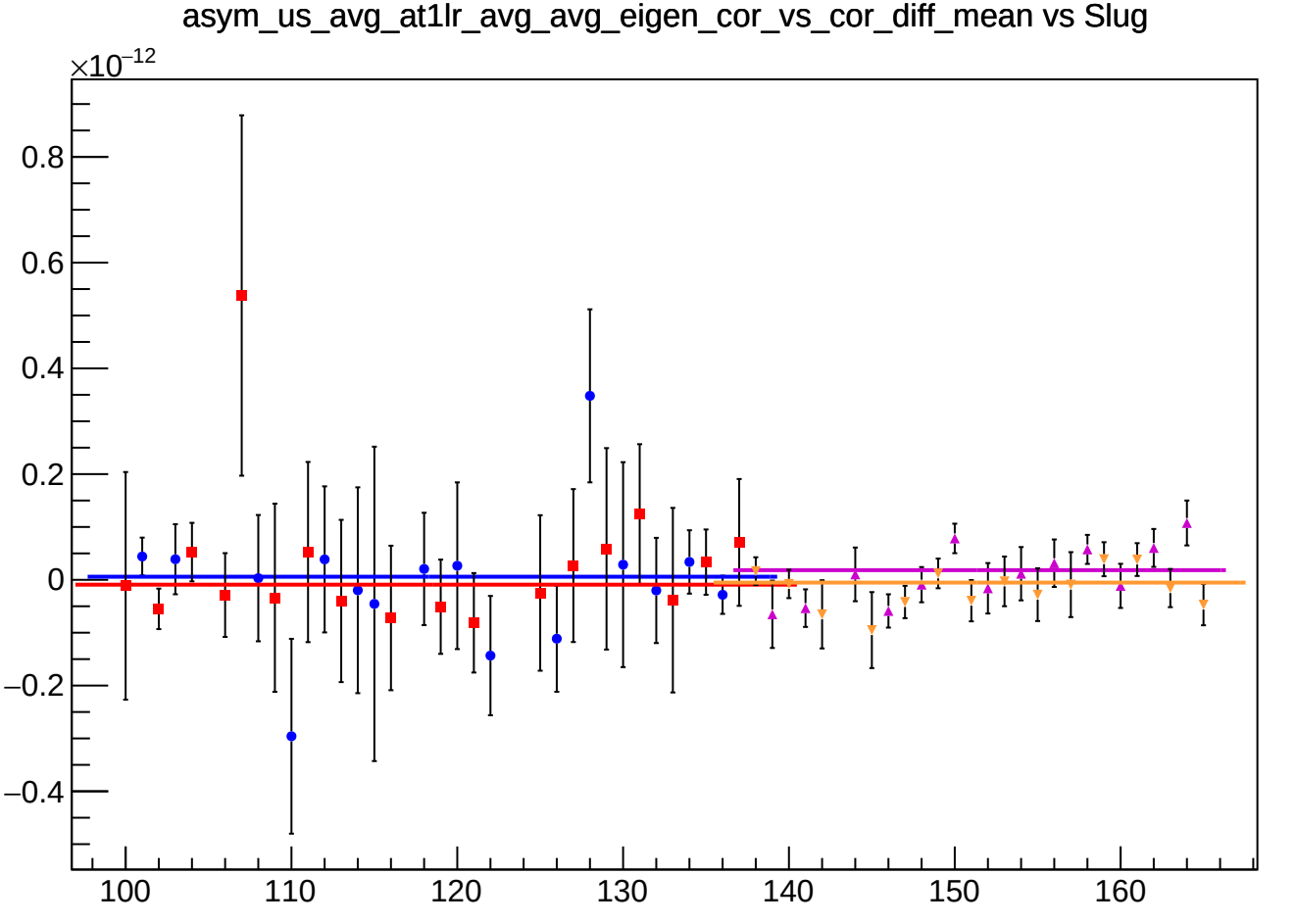
Left In: 0.001+/-0.032 χ^2/NDF:20.7/12

+ sign -0.017+/-0.026 χ^2/NDF: 35.7/29

All: 0.001+/-0.018 χ^2/NDF: 75.2/60

- sign 0.019+/-0.026 χ^2/NDF: 38.6/30


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 94.749+/-0.022 χ²/NDF:1256215.5/13
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 97.655+/-0.022 χ²/NDF:1006353.5/12
+ sign 99.741+/-0.018 χ²/NDF: 3266885.0/29
All: 99.496+/-0.013 χ²/NDF: 7116378.3/60
- sign 99.250+/-0.019 χ²/NDF: 3849140.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/13

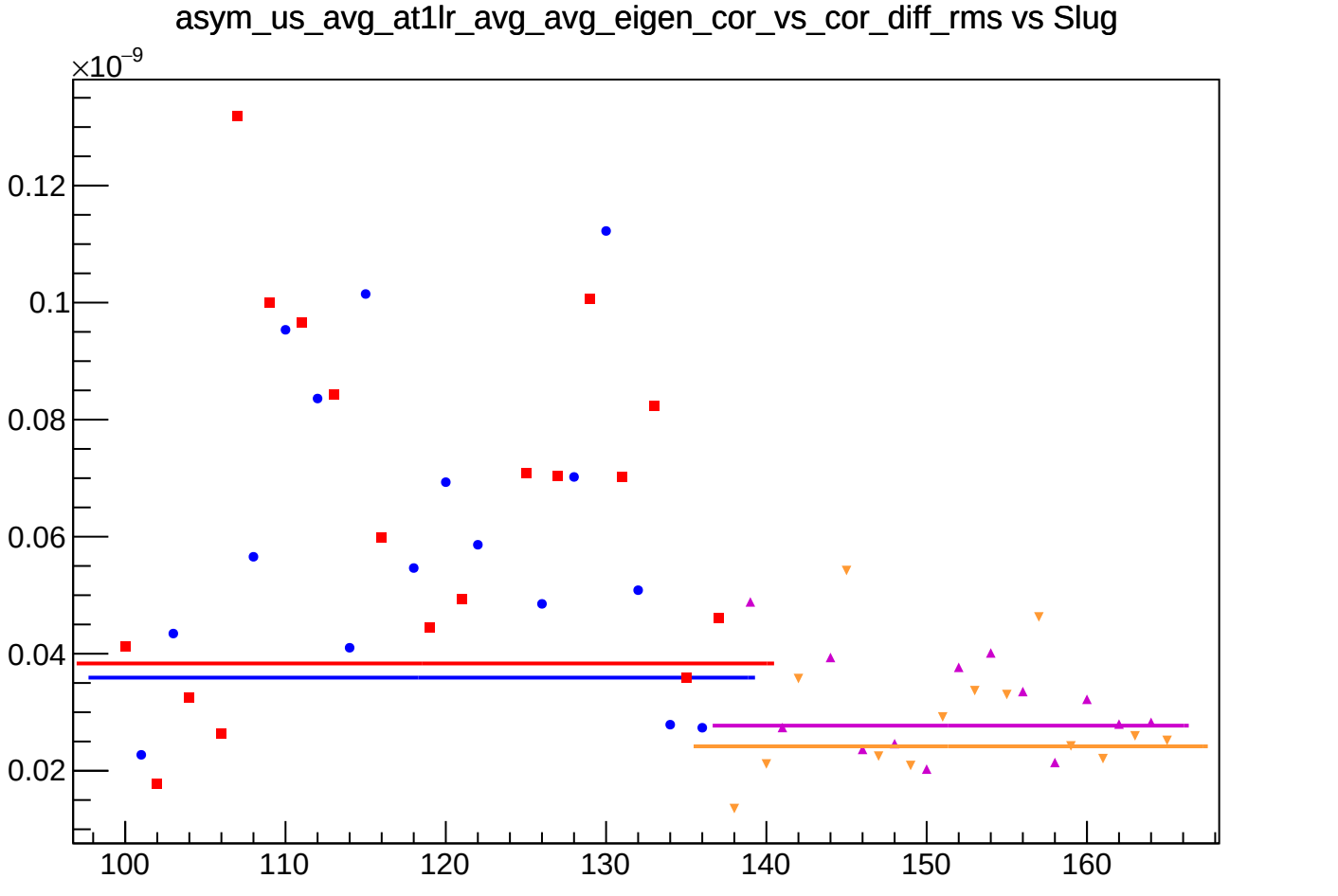
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.2/29

All: 0.000+/-0.000 χ^2/NDF: 61.8/60

- sign 0.000+/-0.000 χ^2/NDF: 36.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1253392.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

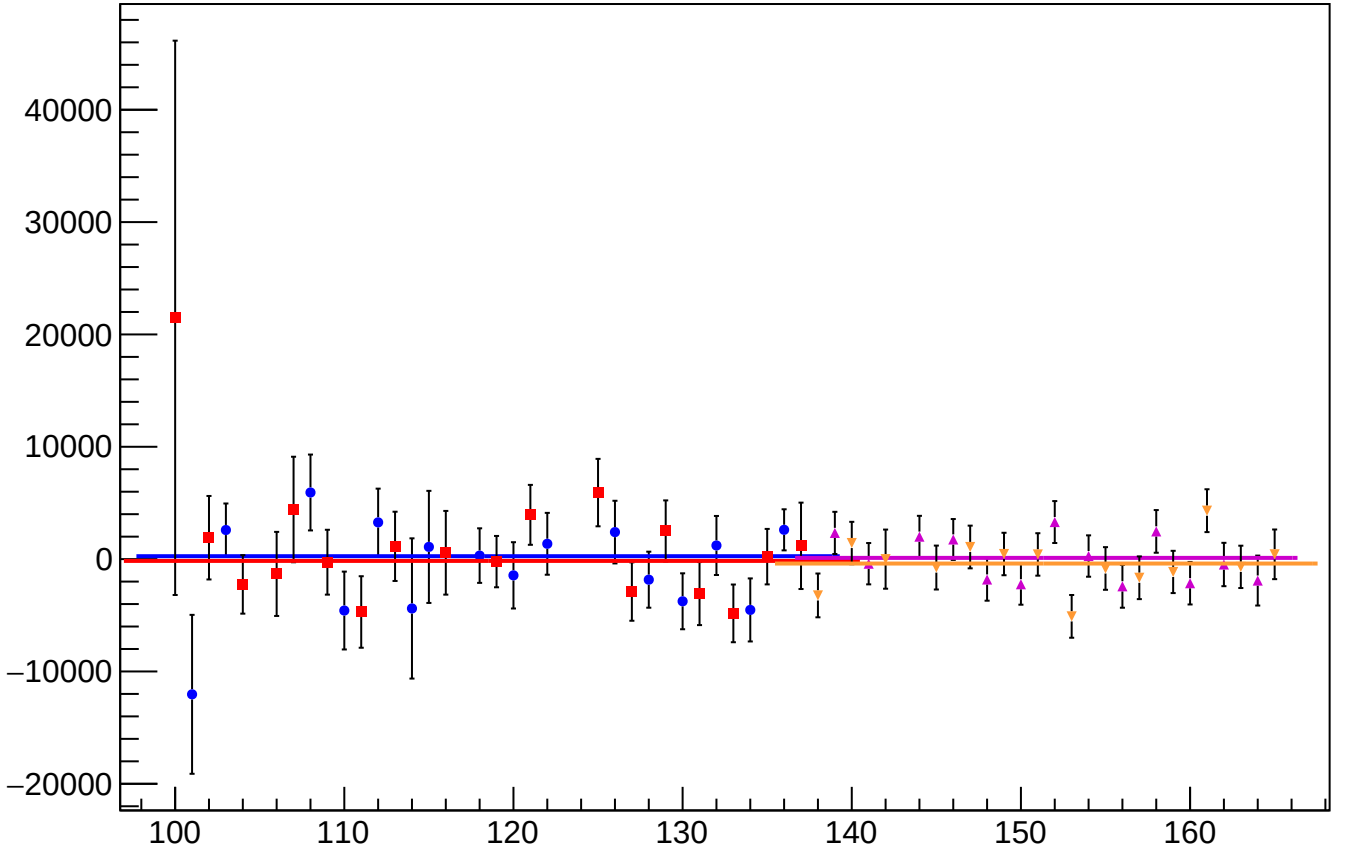
Left In: 0.000+/-0.000 χ^2/NDF:888811.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3611333.1/29

All: 0.000+/-0.000 χ^2/NDF: 7219994.4/60

- sign 0.000+/-0.000 χ^2/NDF: 3483305.3/30

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -394.218+/-522.573 χ^2/NDF:17.1/13

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

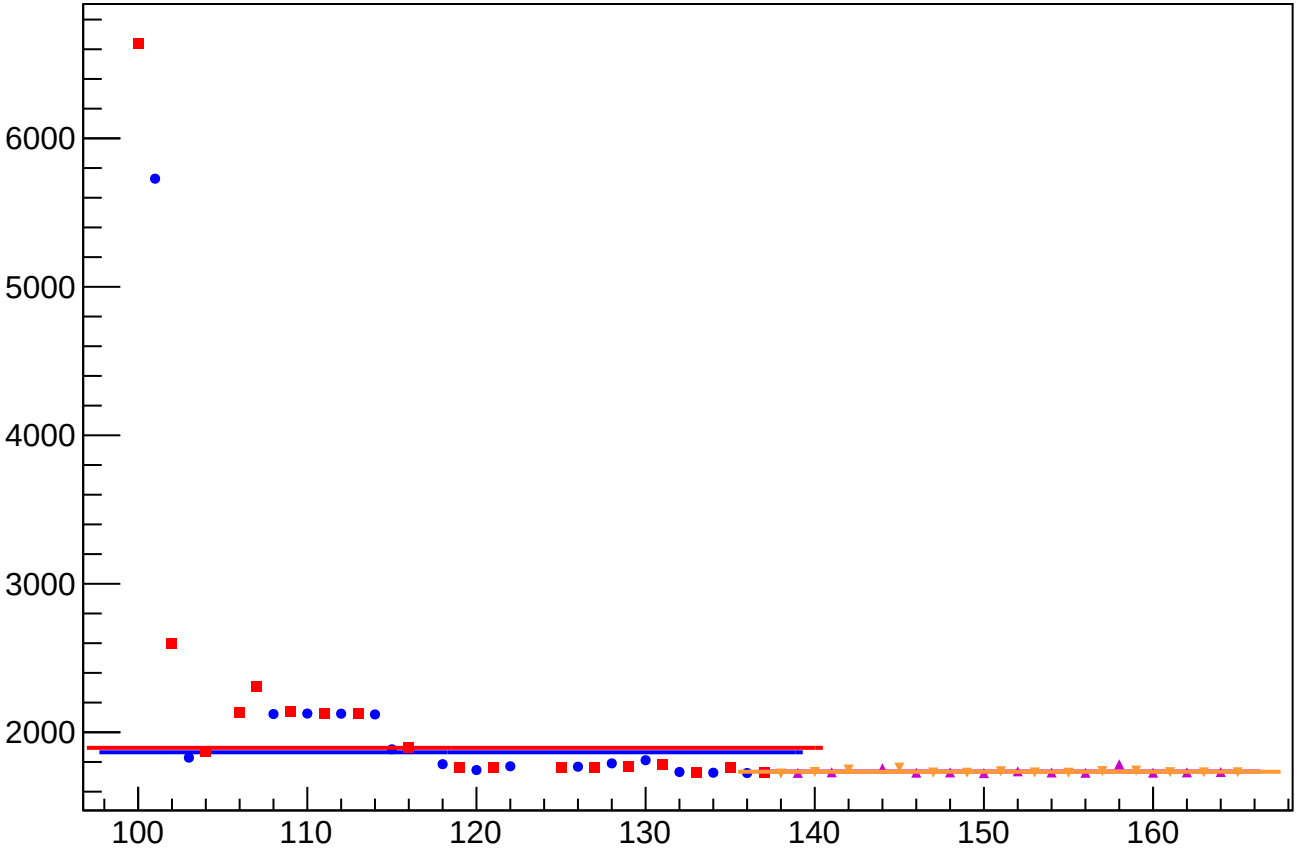
Left In: 109.800+/-524.124 χ^2/NDF:14.6/12

+ sign -164.392+/-420.803 χ^2/NDF: 37.1/29

All: -74.849+/-298.031 χ^2/NDF: 70.0/60

- sign 15.270+/-422.158 χ^2/NDF: 32.8/30

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.188+/-0.370 χ^2/NDF:695.4/13

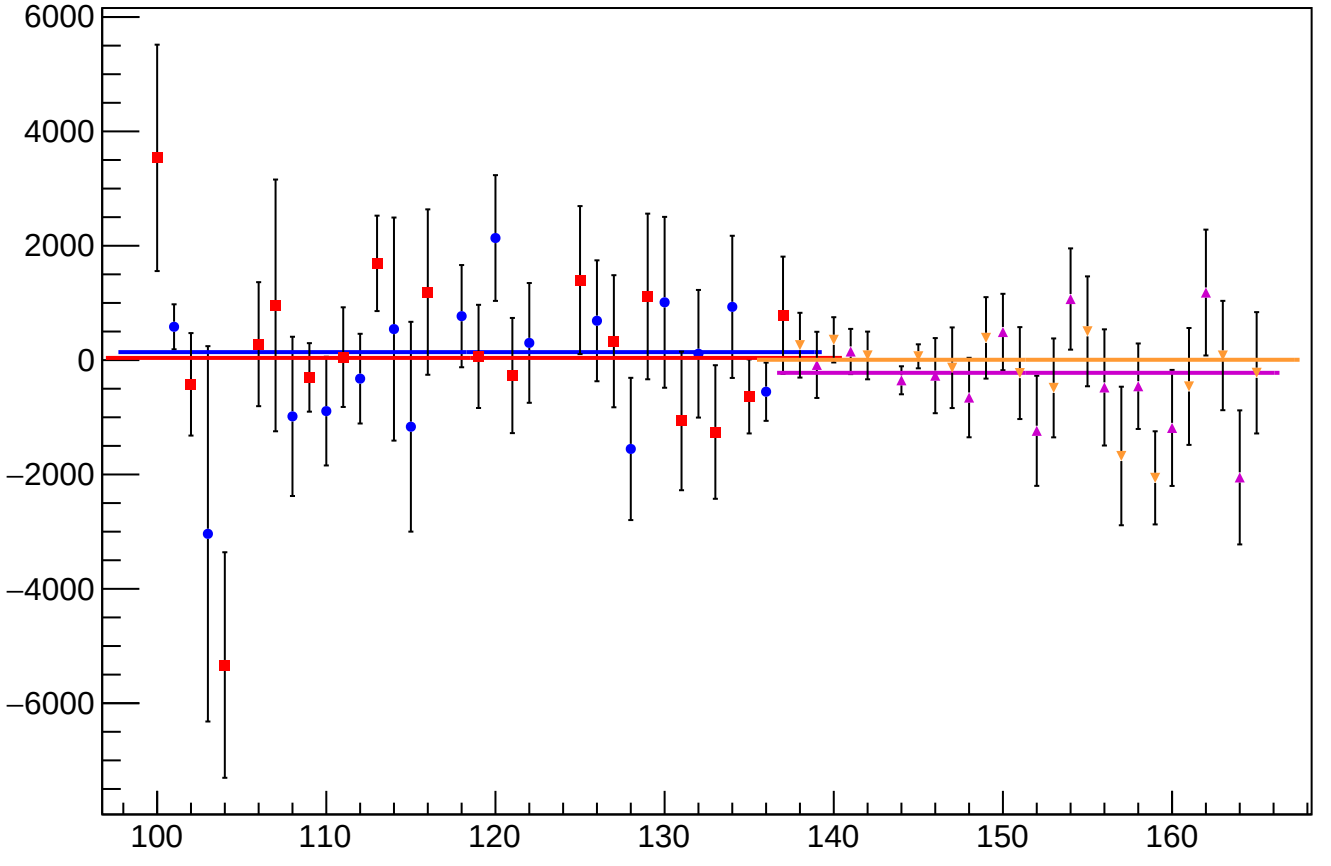
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.994+/-0.371 χ^2/NDF:1885.6/12

+ sign 1780.237+/-0.298 χ^2/NDF: 717594.3/29

All: 1786.066+/-0.211 χ^2/NDF: 1035913.9/60

- sign 1791.931+/-0.299 χ^2/NDF: 317549.8/30



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 6.008+/-140.000 χ^2/NDF:10.7/13

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

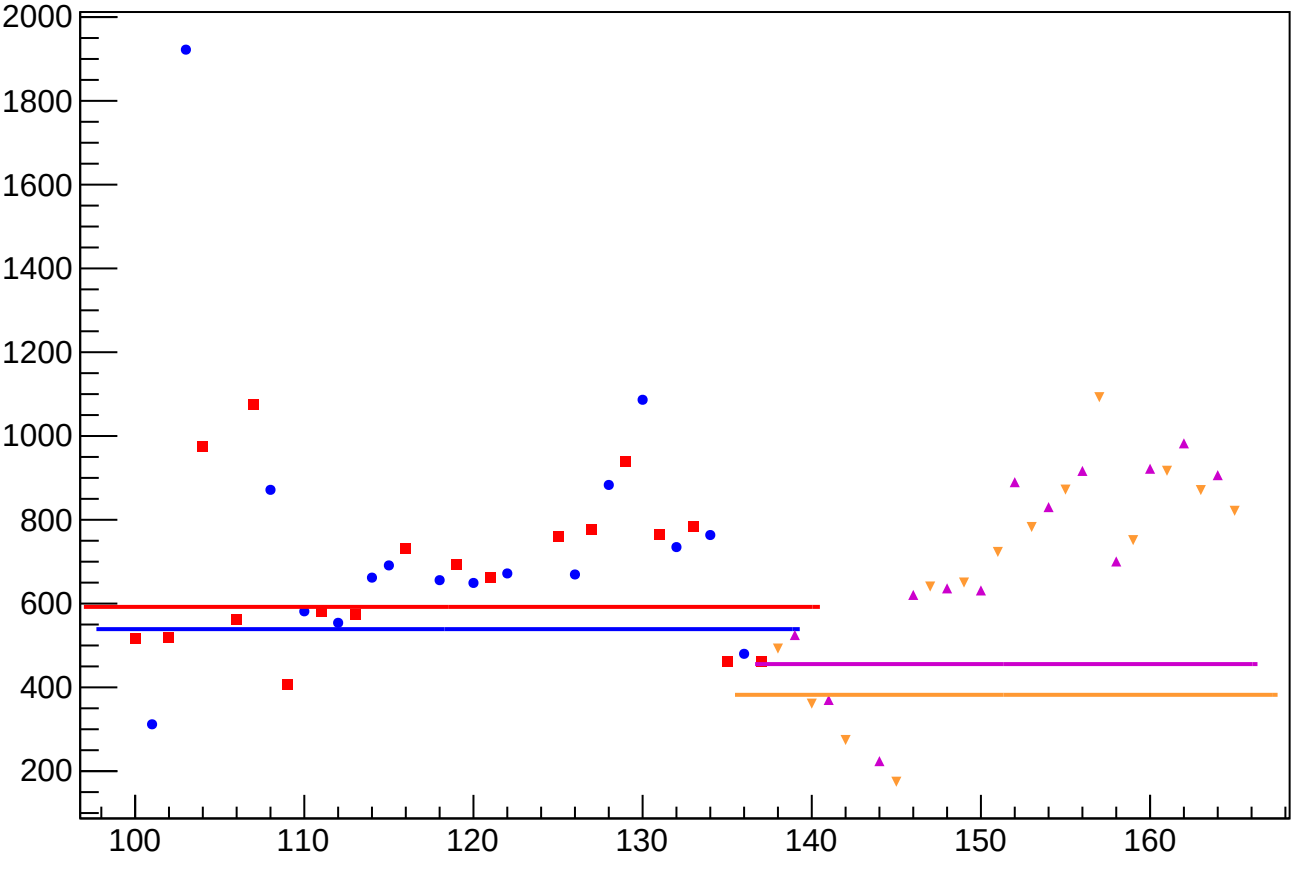
Left In: -222.305+/-157.510 χ^2/NDF:11.1/12

+ sign 44.546+/-118.128 χ^2/NDF: 24.4/29

All: -39.261+/-87.846 χ^2/NDF: 58.9/60

- sign -142.946+/-131.393 χ^2/NDF: 33.4/30

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 382.216+/-0.099 χ^2/NDF:6540775.0/13

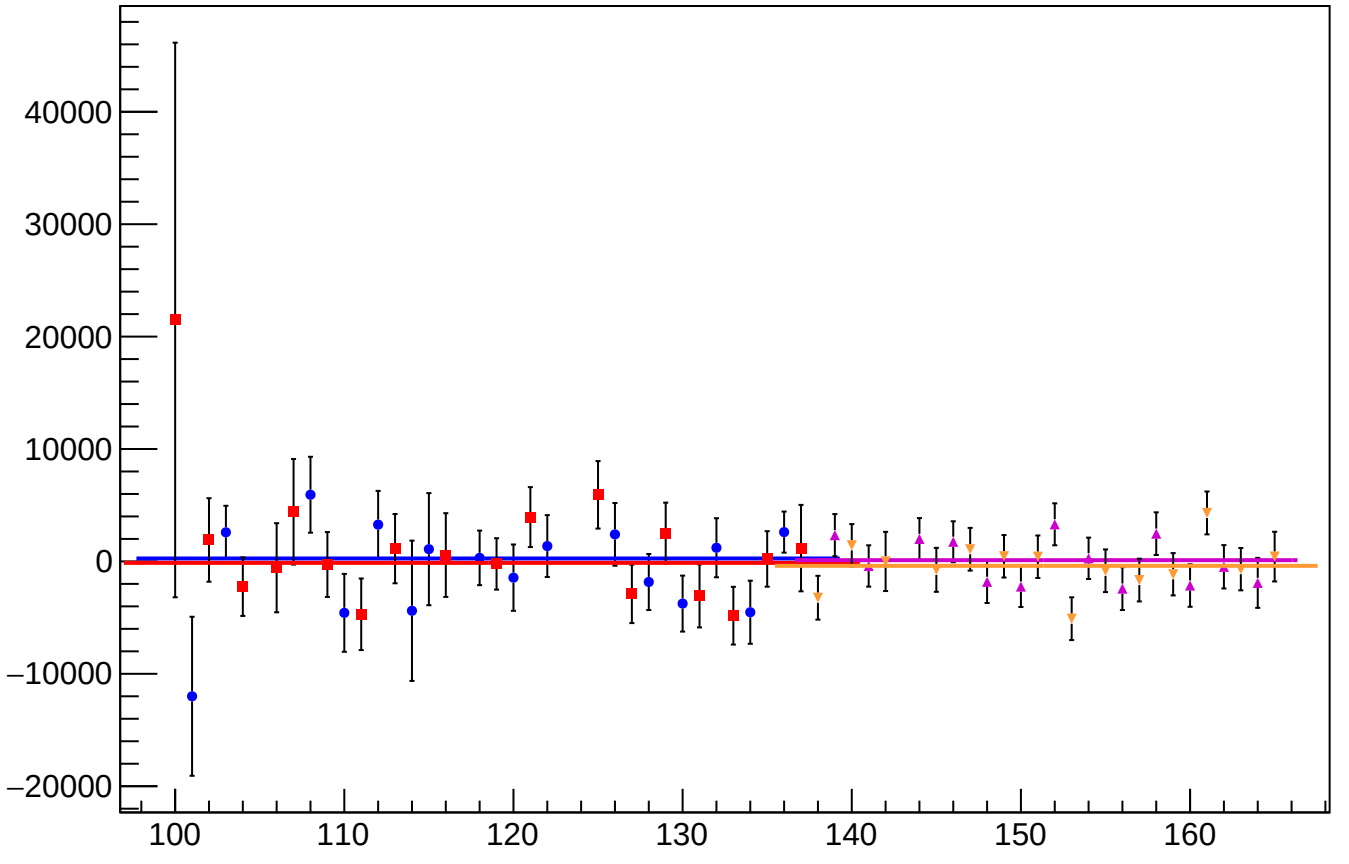
Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 455.572+/-0.111 χ^2/NDF:4878913.2/12

+ sign 427.382+/-0.084 χ^2/NDF: 9118009.5/29

All: 458.543+/-0.062 χ^2/NDF: 15608351.2/60

- sign 497.095+/-0.093 χ^2/NDF: 6178995.0/30



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -394.203+/-522.573 χ^2/NDF:17.1/13

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

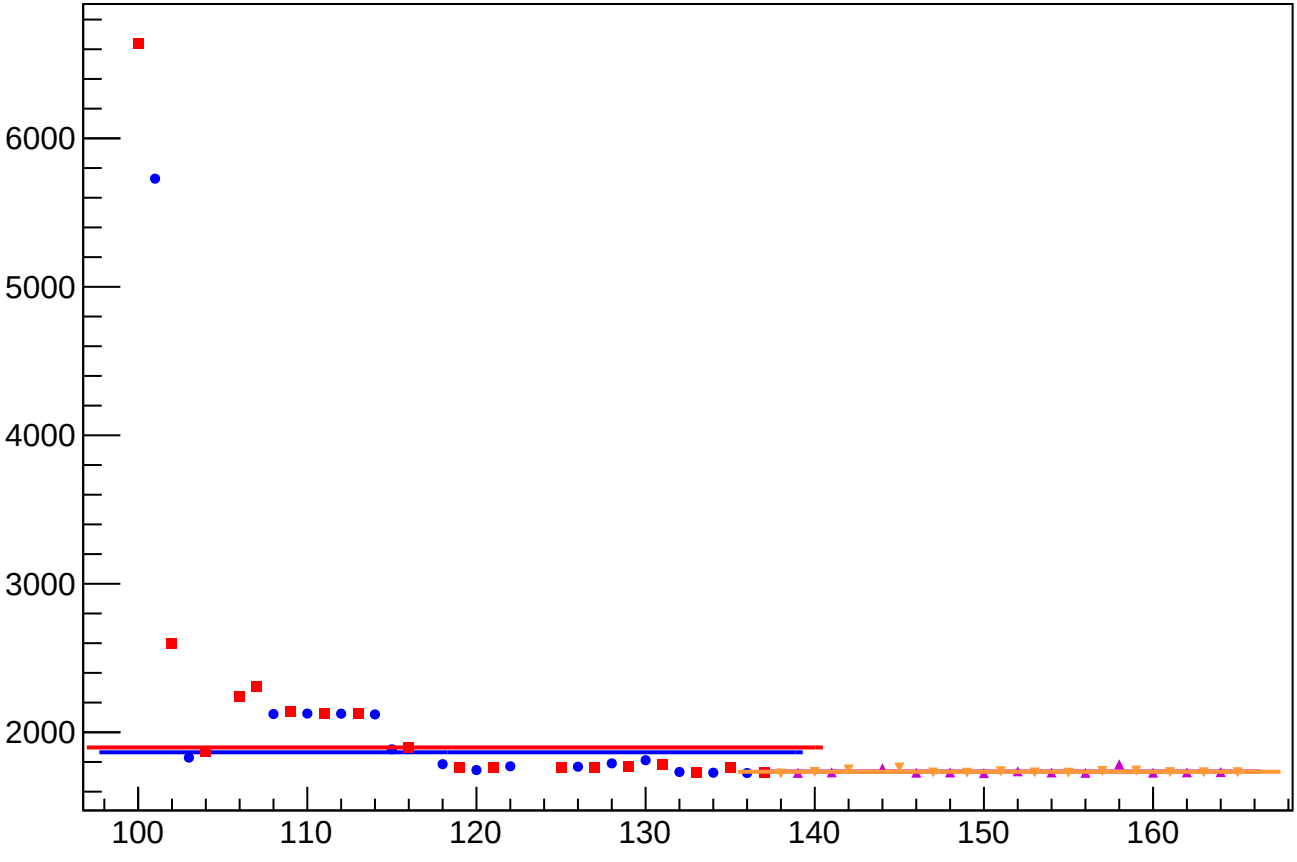
Left In: 109.836+/-524.124 χ^2/NDF:14.6/12

\+ sign -164.316+/-420.803 χ^2/NDF: 37.1/29

All: -69.632+/-298.134 χ^2/NDF: 69.9/60

\- sign 25.794+/-422.451 χ^2/NDF: 32.7/30

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.188+/-0.370 χ^2/NDF:695.4/13

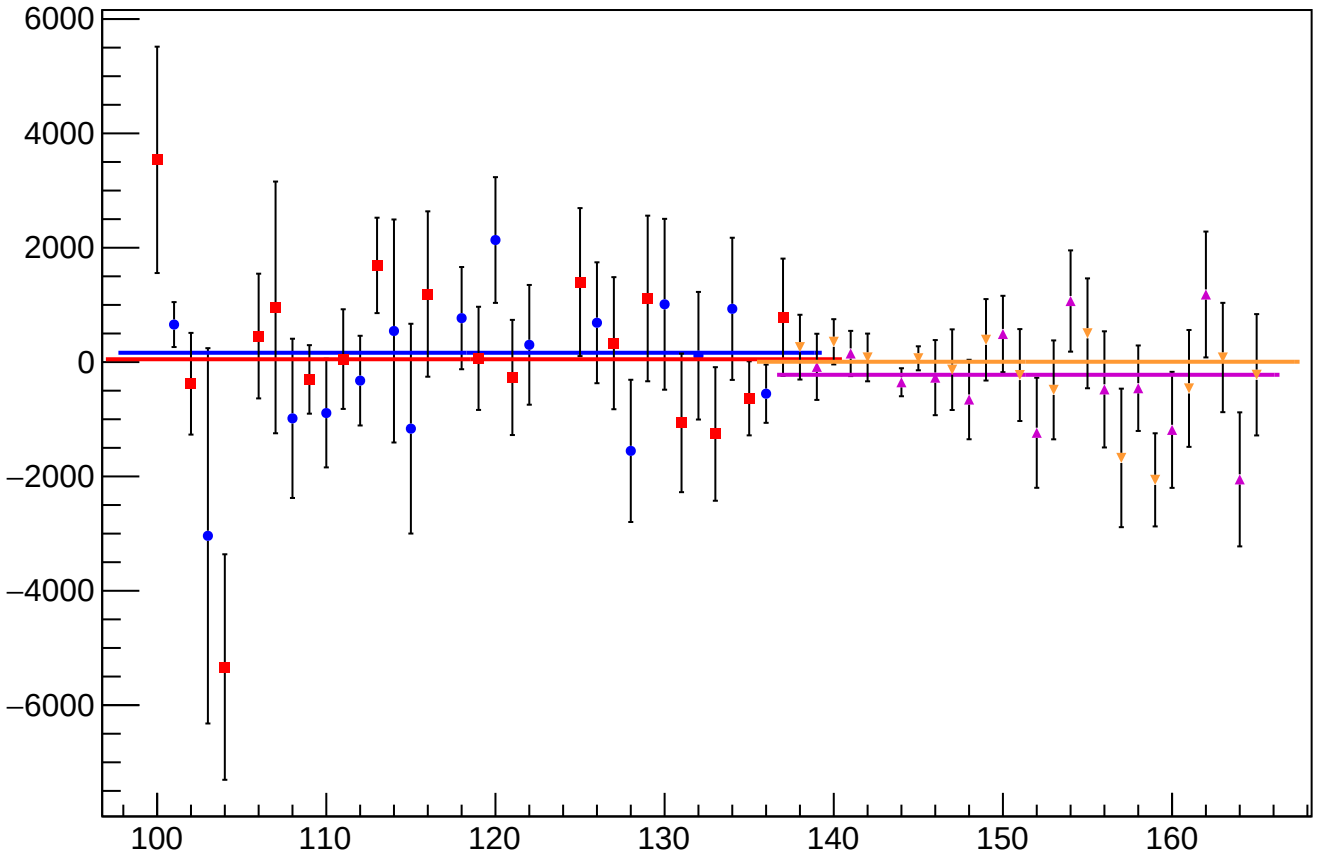
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.994+/-0.371 χ^2/NDF:1885.6/12

+ sign 1780.237+/-0.298 χ^2/NDF: 717594.1/29

All: 1786.418+/-0.211 χ^2/NDF: 1044778.5/60

- sign 1792.646+/-0.299 χ^2/NDF: 326318.2/30



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 5.854+/-140.003 χ^2/NDF:10.7/13

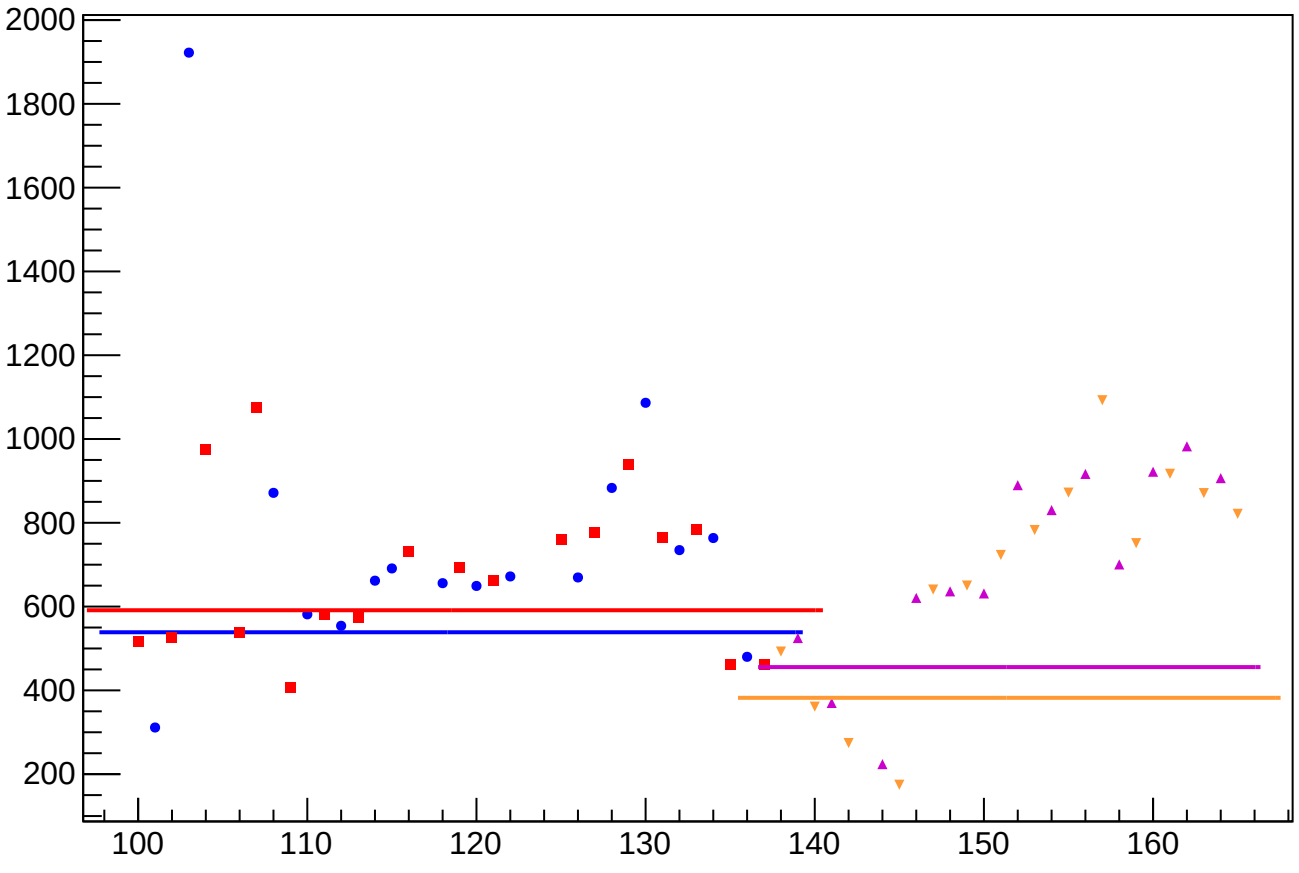
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -222.297+/-157.511 χ^2/NDF:11.1/12

+ sign 51.186+/-118.118 χ^2/NDF: 25.0/29

All: -34.079+/-87.839 χ^2/NDF: 59.6/60

- sign -139.571+/-131.384 χ^2/NDF: 33.5/30



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 382.225+/-0.099 χ^2/NDF:6540538.4/13

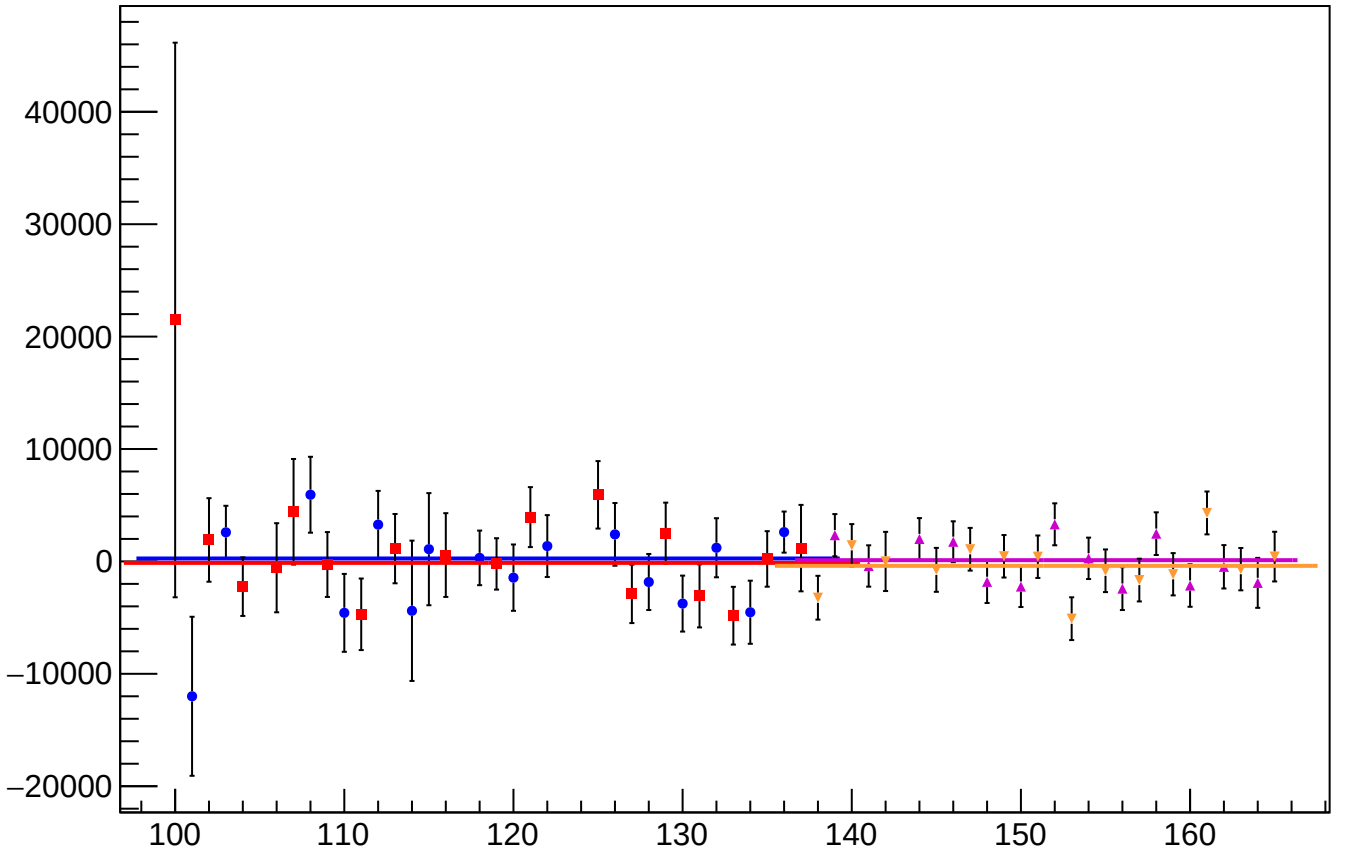
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 455.580+/-0.111 χ^2/NDF:4878572.1/12

+ sign 427.322+/-0.084 χ^2/NDF: 9119471.4/29

All: 458.401+/-0.062 χ^2/NDF: 15603722.4/60

- sign 496.853+/-0.093 χ^2/NDF: 6174476.9/30



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -394.203+/-522.573 χ^2/NDF:17.1/13

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

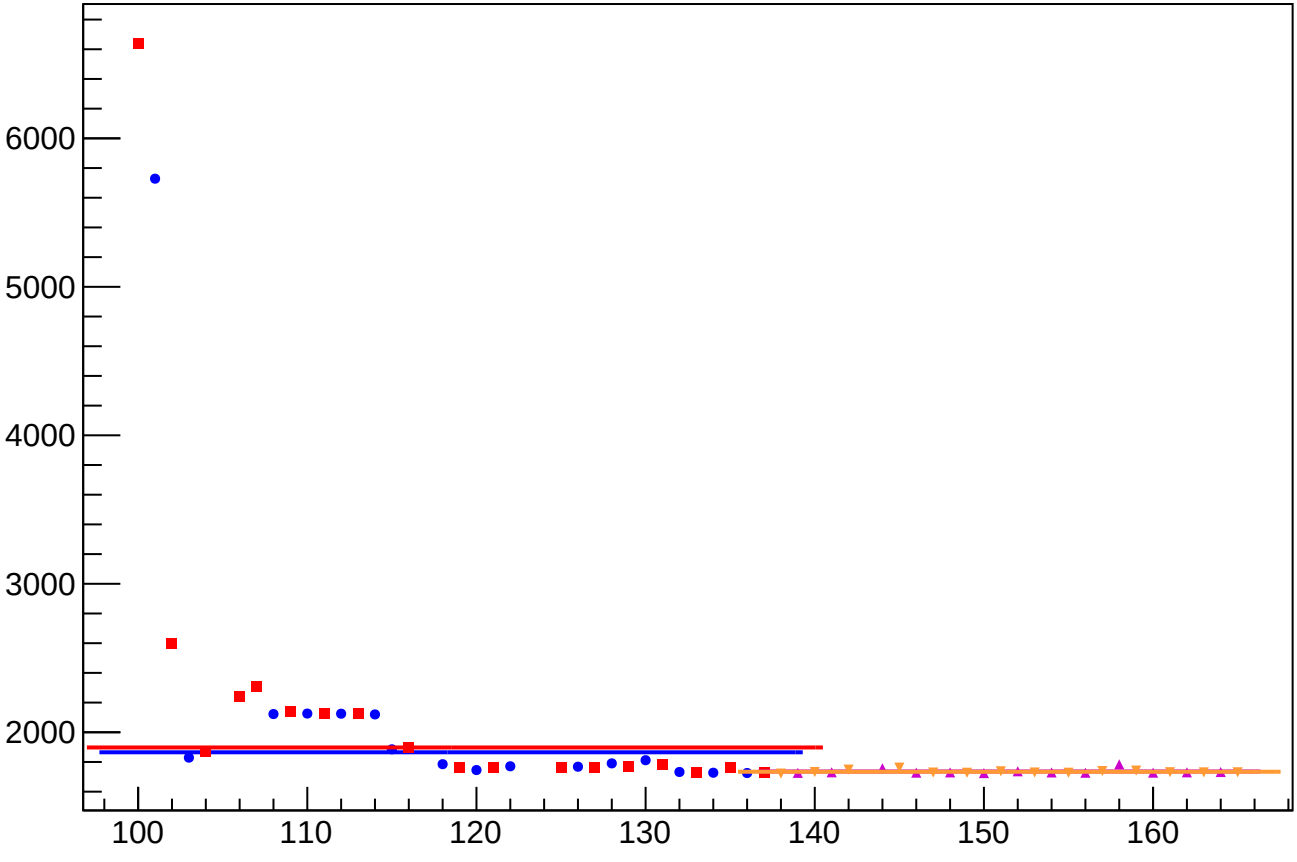
Left In: 109.836+/-524.124 χ^2/NDF:14.6/12

\+ sign -164.316+/-420.803 χ^2/NDF: 37.1/29

All: -69.632+/-298.134 χ^2/NDF: 69.9/60

\- sign 25.794+/-422.451 χ^2/NDF: 32.7/30

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: 1734.188+/-0.370 χ^2/NDF:695.4/13

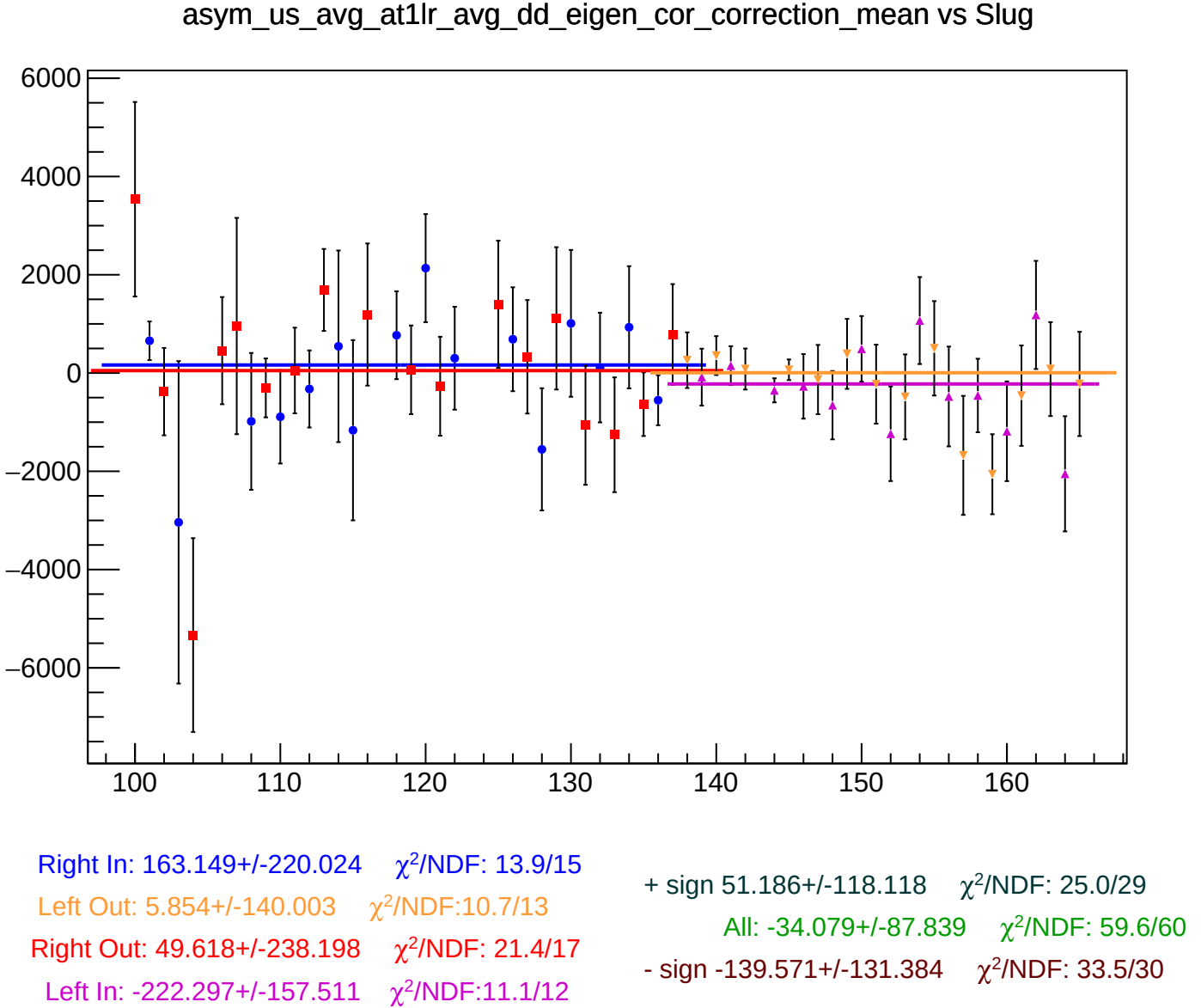
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

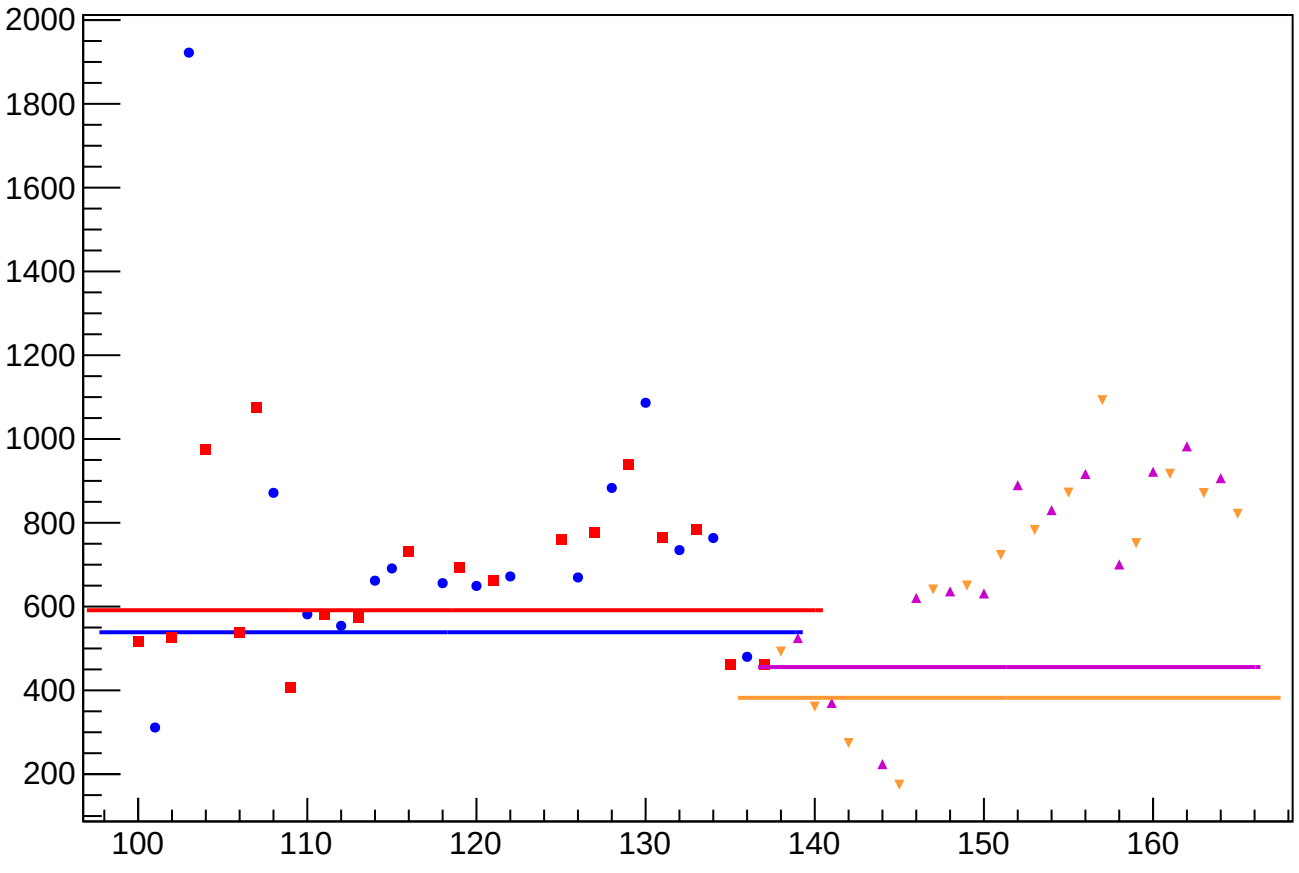
Left In: 1735.994+/-0.371 χ^2/NDF:1885.6/12

+ sign 1780.237+/-0.298 χ^2/NDF: 717594.1/29

All: 1786.418+/-0.211 χ^2/NDF: 1044778.5/60

- sign 1792.646+/-0.299 χ^2/NDF: 326318.2/30


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 5.854+/-140.003 χ²/NDF:10.7/13
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -222.297+/-157.511 χ²/NDF:11.1/12
+ sign 51.186+/-118.118 χ²/NDF: 25.0/29
All: -34.079+/-87.839 χ²/NDF: 59.6/60
- sign -139.571+/-131.384 χ²/NDF: 33.5/30



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 382.225+/-0.099 χ^2/NDF:6540538.4/13

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

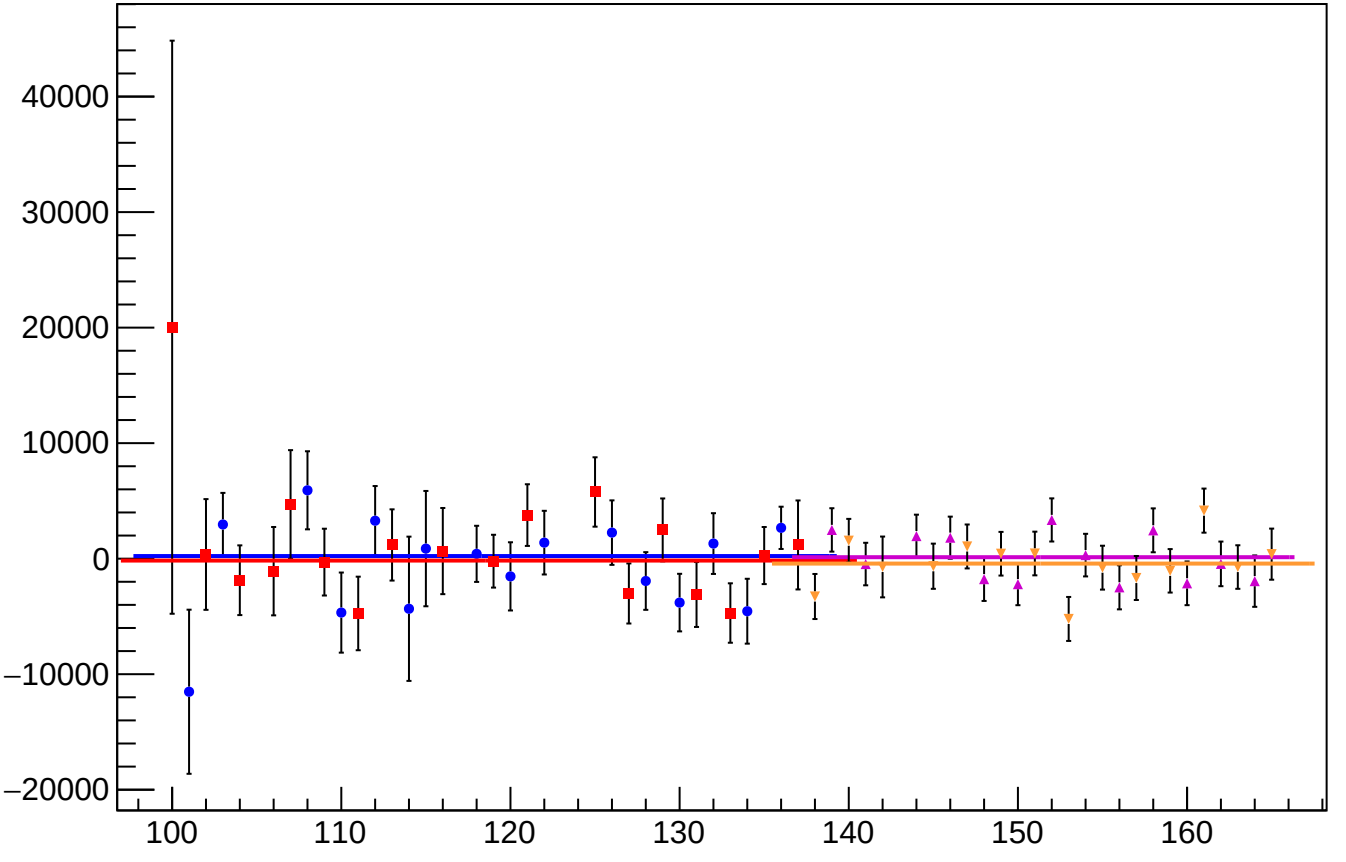
Left In: 455.580+/-0.111 χ^2/NDF:4878572.1/12

+ sign 427.322+/-0.084 χ^2/NDF: 9119471.4/29

All: 458.401+/-0.062 χ^2/NDF: 15603722.4/60

- sign 496.853+/-0.093 χ^2/NDF: 6174476.9/30

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -425.746+/-522.926 χ^2/NDF:17.1/13

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

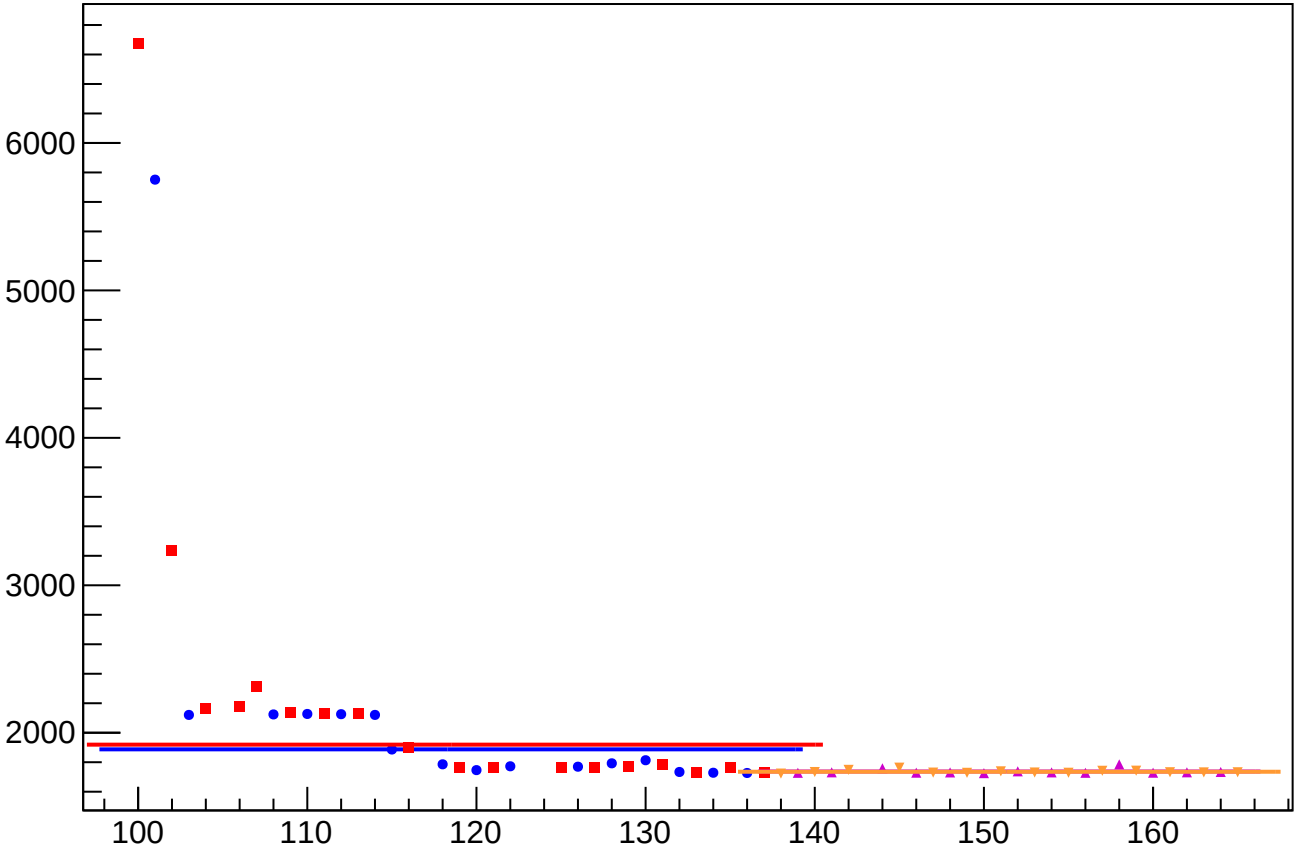
Left In: 127.523+/-524.456 χ^2/NDF:14.9/12

+ sign -200.007+/-422.814 χ^2/NDF: 37.1/29

All: -86.804+/-299.776 χ^2/NDF: 69.3/60

- sign 27.621+/-425.091 χ^2/NDF: 32.0/30

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.358+/-0.370 χ^2/NDF:700.5/13

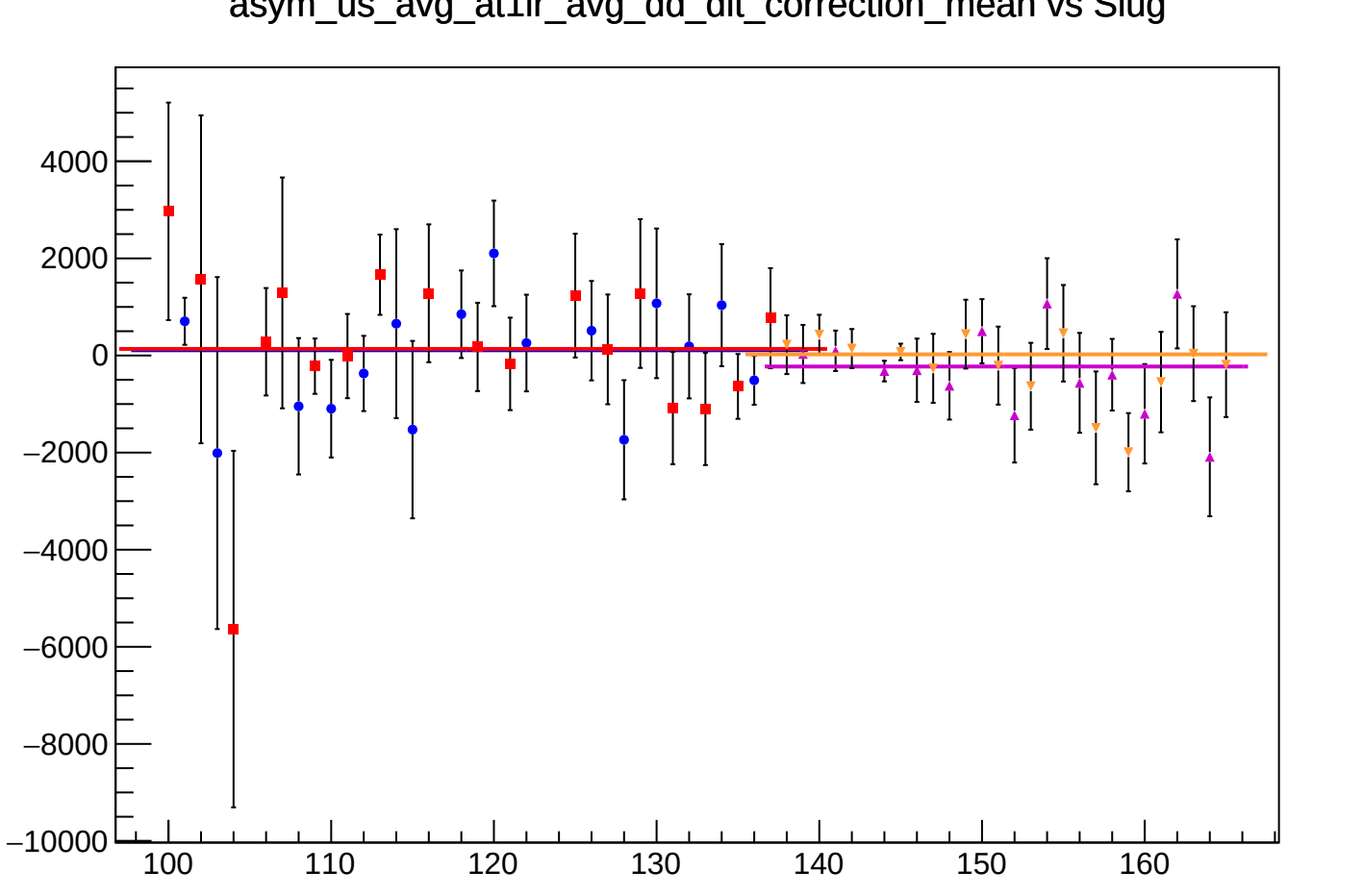
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.094+/-0.371 χ^2/NDF:1884.4/12

+ sign 1787.970+/-0.299 χ^2/NDF: 748614.2/29

All: 1793.729+/-0.212 χ^2/NDF: 1186496.2/60

- sign 1799.549+/-0.301 χ^2/NDF: 437136.0/30



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 23.298+/-126.781 χ^2/NDF:10.9/13

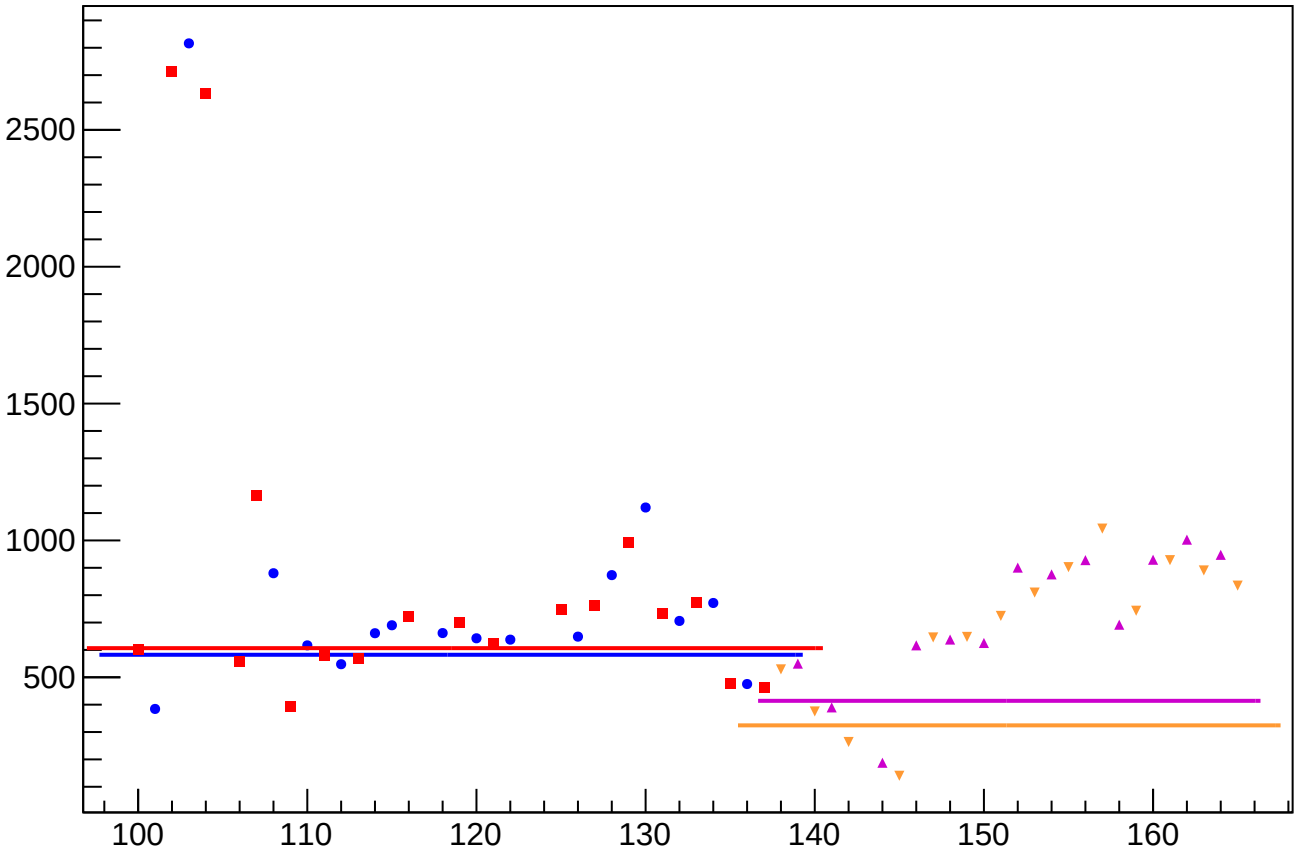
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -227.603+/-149.321 χ^2/NDF:10.7/12

\+ sign 42.843+/-111.221 χ^2/NDF: 25.1/29

All: -31.686+/-83.852 χ^2/NDF: 52.8/60

\- sign -129.840+/-127.637 χ^2/NDF: 26.6/30



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 324.361+/-0.090 χ^2/NDF:8332739.9/13

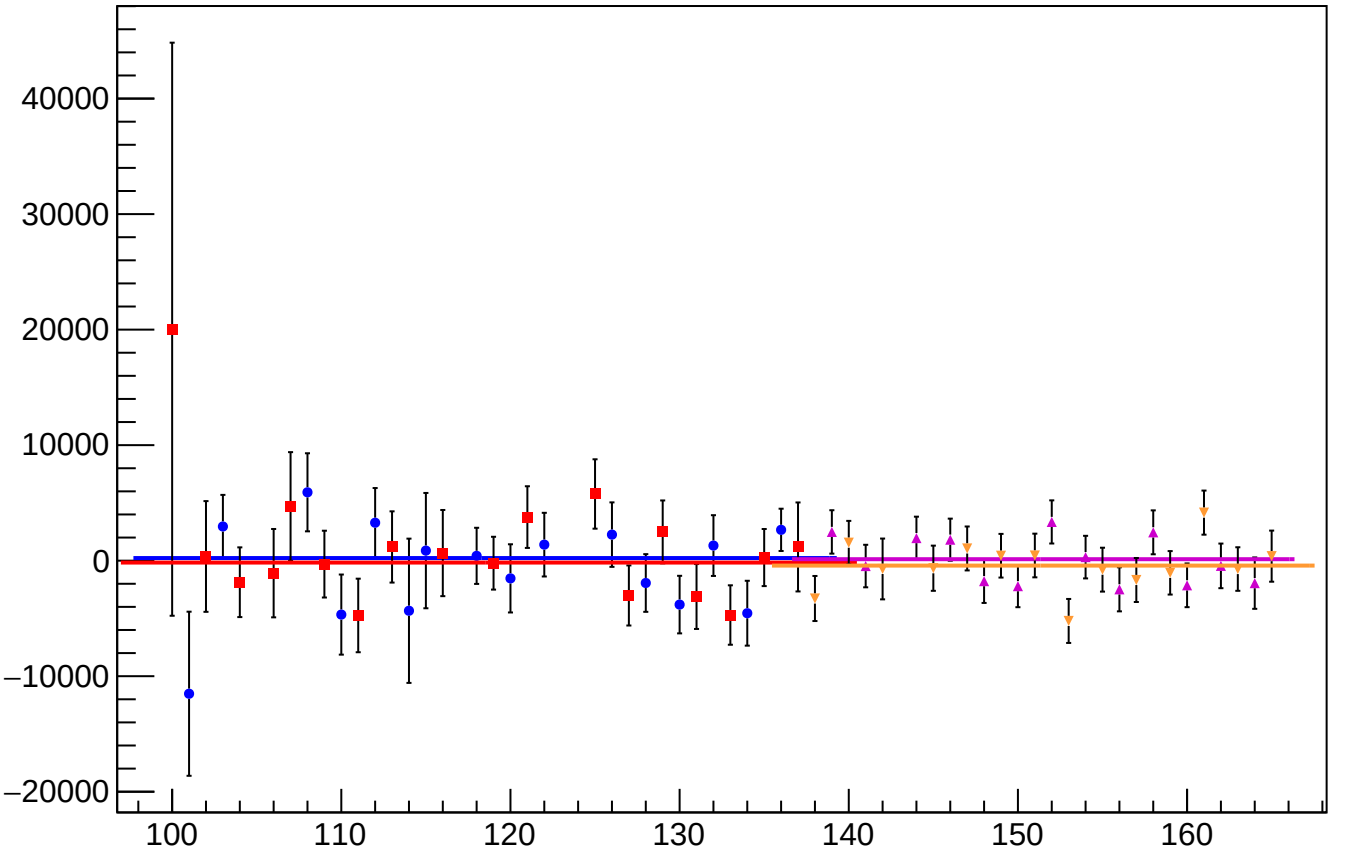
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 413.996+/-0.106 χ^2/NDF:6195605.4/12

+ sign 383.784+/-0.079 χ^2/NDF: 11993968.2/29

All: 419.196+/-0.059 χ^2/NDF: 21752622.3/60

- sign 465.834+/-0.090 χ^2/NDF: 9288876.4/30



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -425.750+/-522.926 χ^2/NDF:17.1/13

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

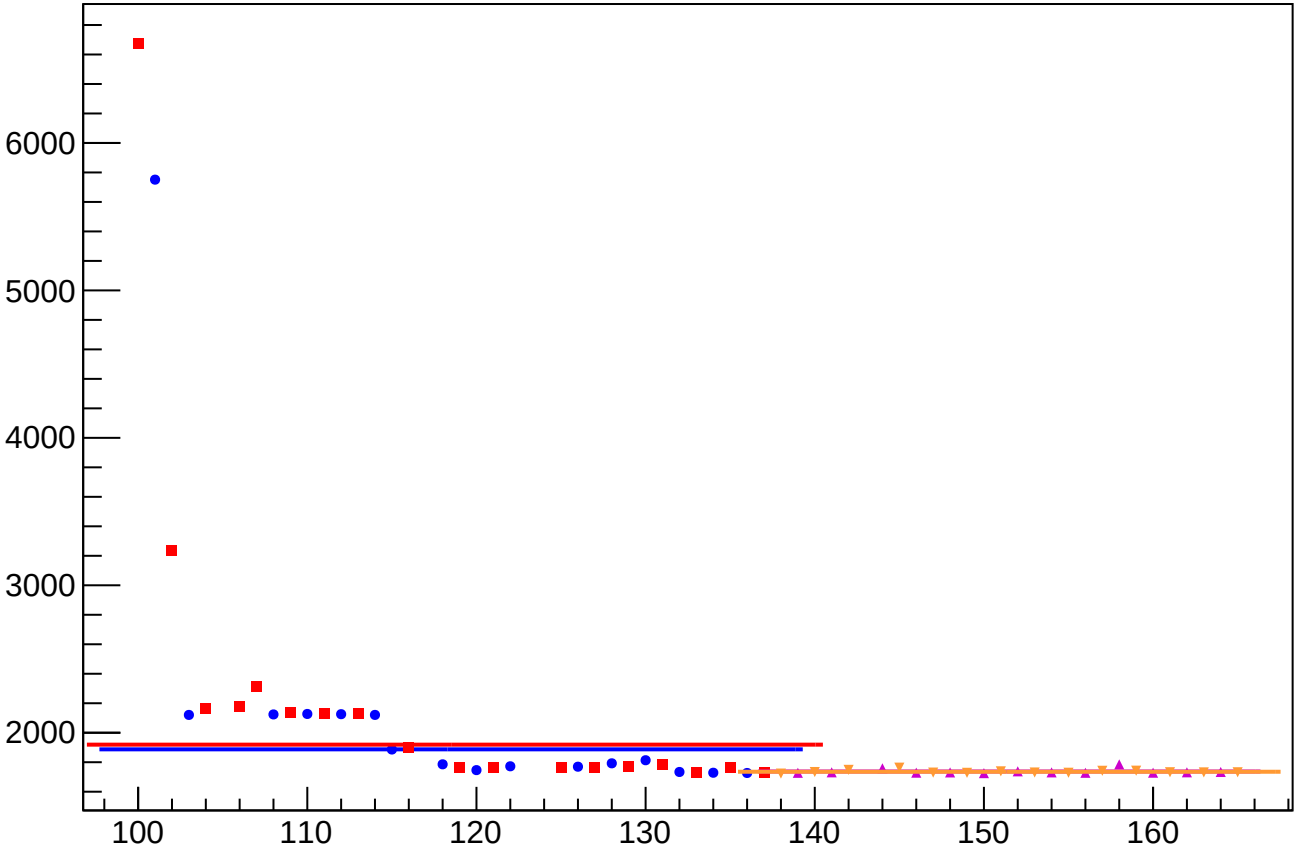
Left In: 127.522+/-524.456 χ^2/NDF:14.9/12

+ sign -200.009+/-422.814 χ^2/NDF: 37.1/29

All: -86.806+/-299.776 χ^2/NDF: 69.3/60

- sign 27.620+/-425.091 χ^2/NDF: 32.0/30

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.358+/-0.370 χ^2/NDF:700.5/13

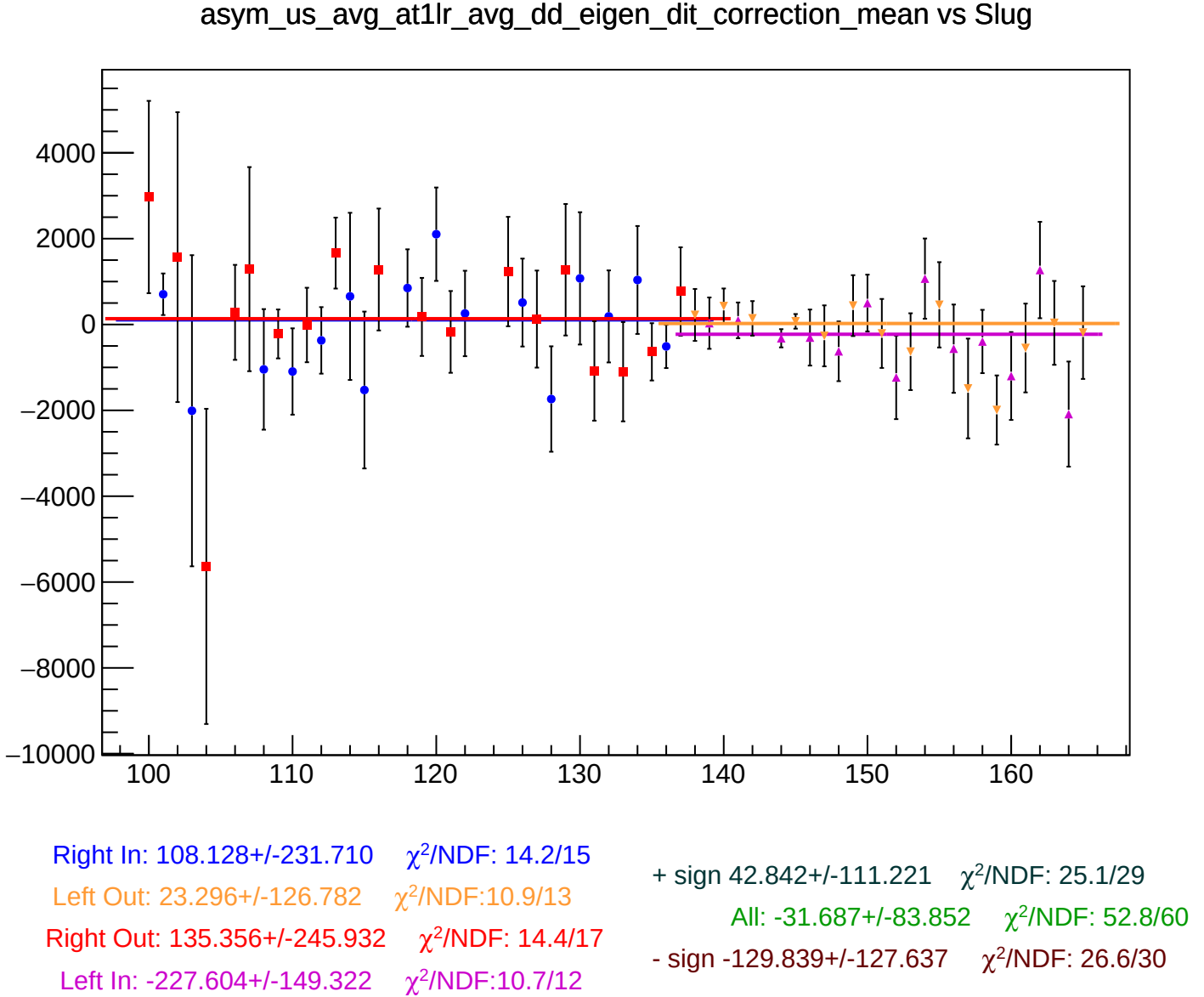
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1737.094+/-0.371 χ^2/NDF:1884.4/12

+ sign 1787.970+/-0.299 χ^2/NDF: 748613.8/29

All: 1793.728+/-0.212 χ^2/NDF: 1186495.0/60

- sign 1799.549+/-0.301 χ^2/NDF: 437135.1/30



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 23.296+/-126.782 χ^2/NDF:10.9/13

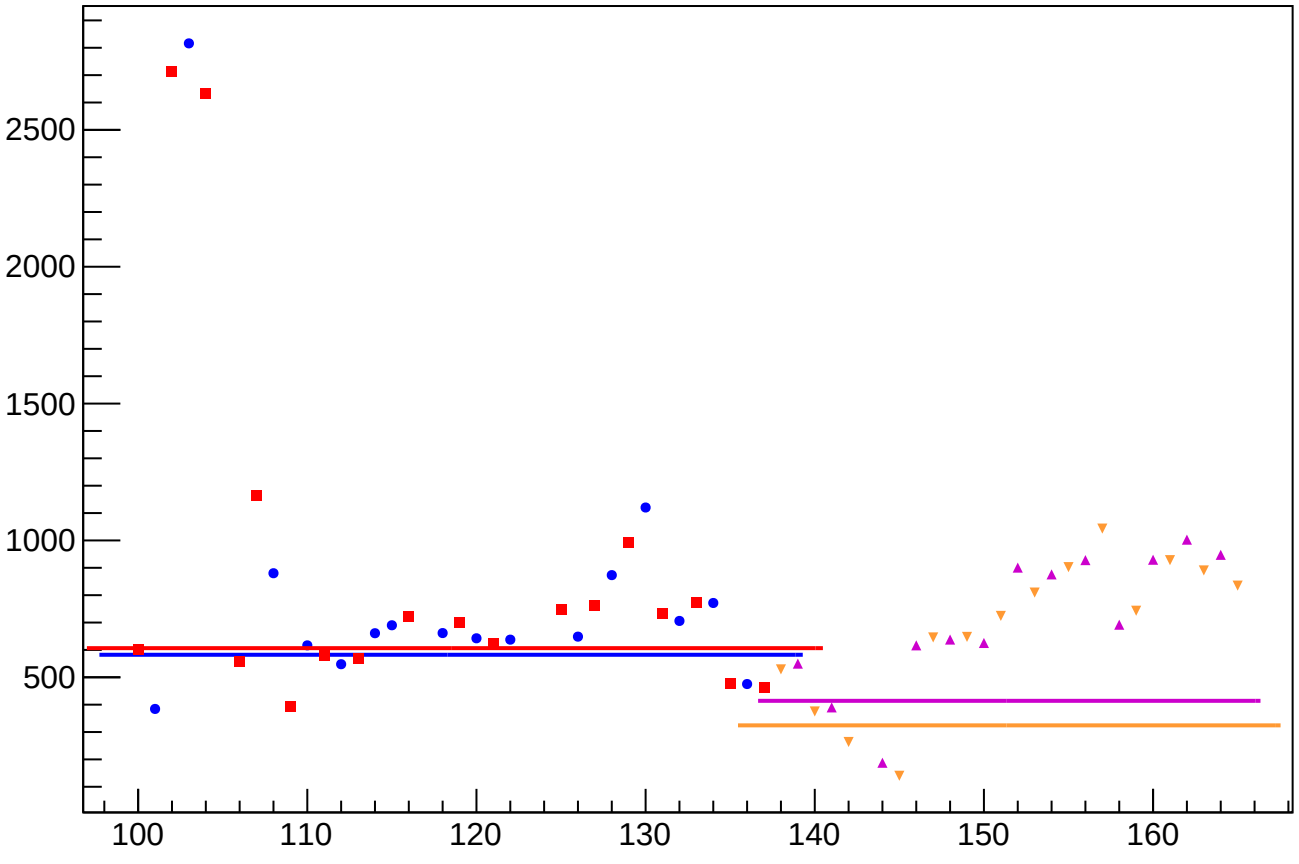
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -227.604+/-149.322 χ^2/NDF:10.7/12

+ sign 42.842+/-111.221 χ^2/NDF: 25.1/29

All: -31.687+/-83.852 χ^2/NDF: 52.8/60

- sign -129.839+/-127.637 χ^2/NDF: 26.6/30



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 324.361+/-0.090 χ^2/NDF:8332770.8/13

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

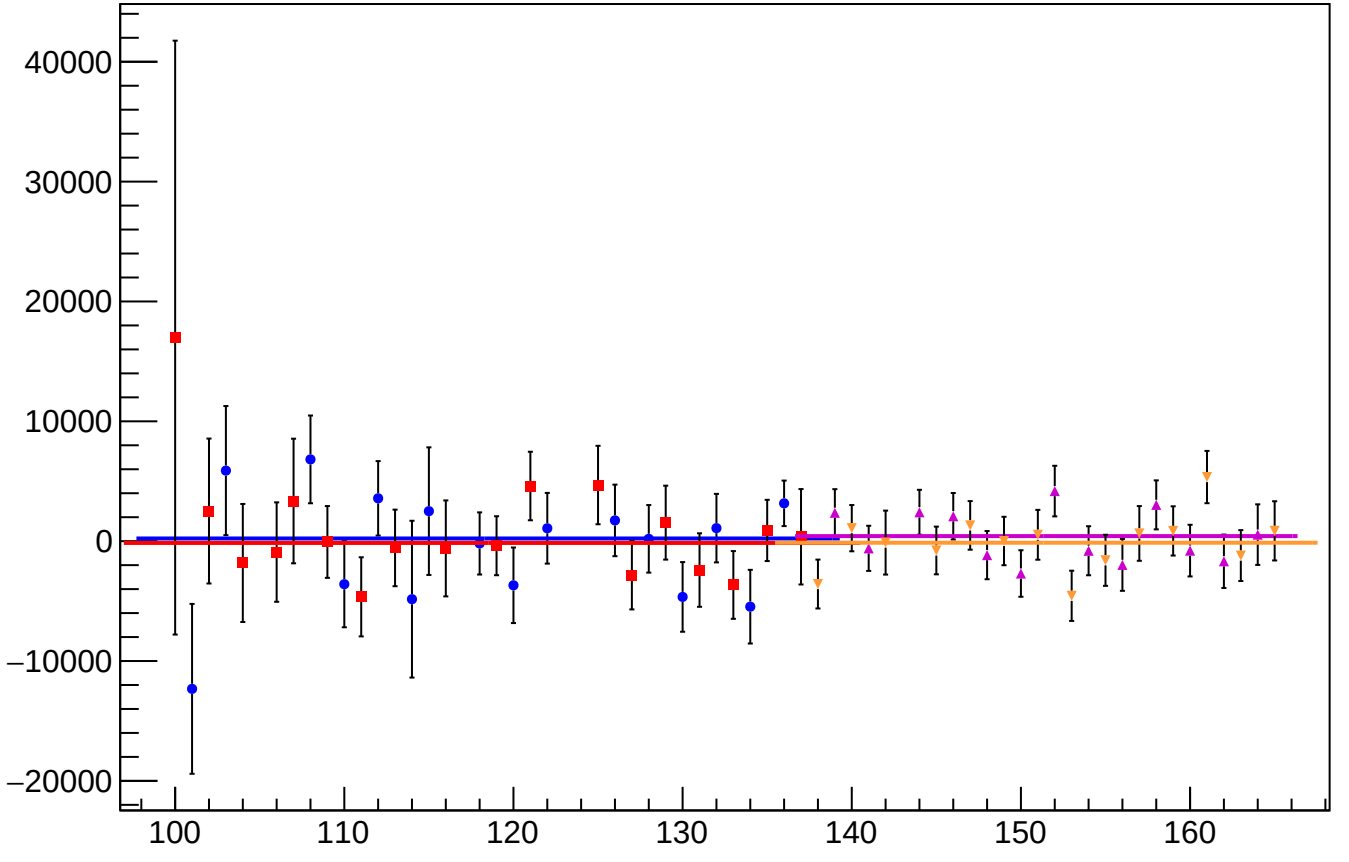
Left In: 413.997+/-0.106 χ^2/NDF:6195624.6/12

+ sign 383.784+/-0.079 χ^2/NDF: 11993971.5/29

All: 419.196+/-0.059 χ^2/NDF: 21752626.4/60

- sign 465.834+/-0.090 χ^2/NDF: 9288877.5/30

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -128.928+/-568.490 χ^2/NDF:16.0/13

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

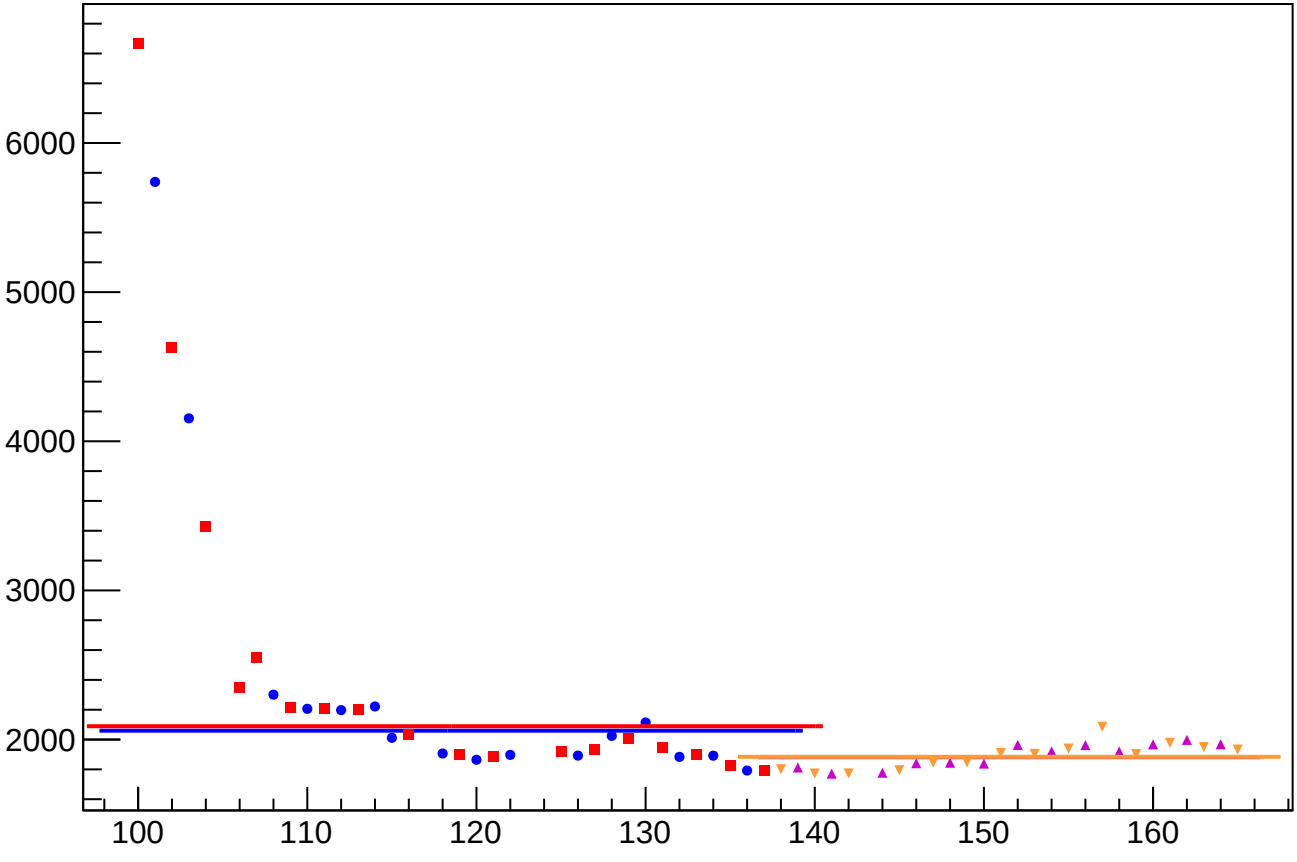
Left In: 423.111+/-568.683 χ^2/NDF:13.9/12

+ sign -8.680+/-461.769 χ^2/NDF: 37.3/29

All: 110.276+/-326.731 χ^2/NDF: 63.3/60

- sign 229.541+/-462.367 χ^2/NDF: 25.8/30

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1884.291+/-0.402 χ^2/NDF:43099.2/13

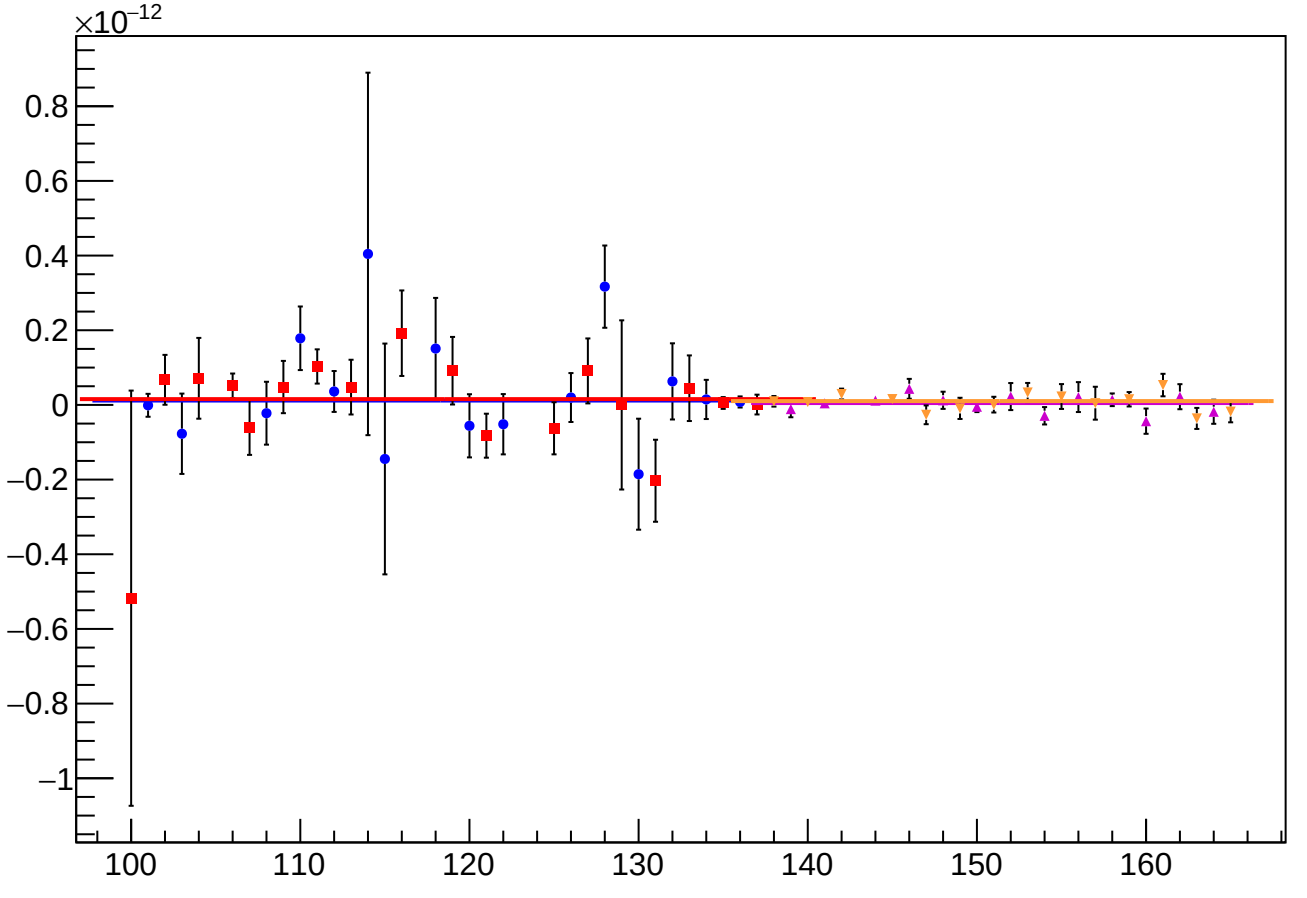
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1881.881+/-0.402 χ^2/NDF:36247.4/12

+ sign 1943.898+/-0.327 χ^2/NDF: 1047602.1/29

All: 1948.067+/-0.231 χ^2/NDF: 1855977.9/60

- sign 1952.246+/-0.327 χ^2/NDF: 808049.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/13

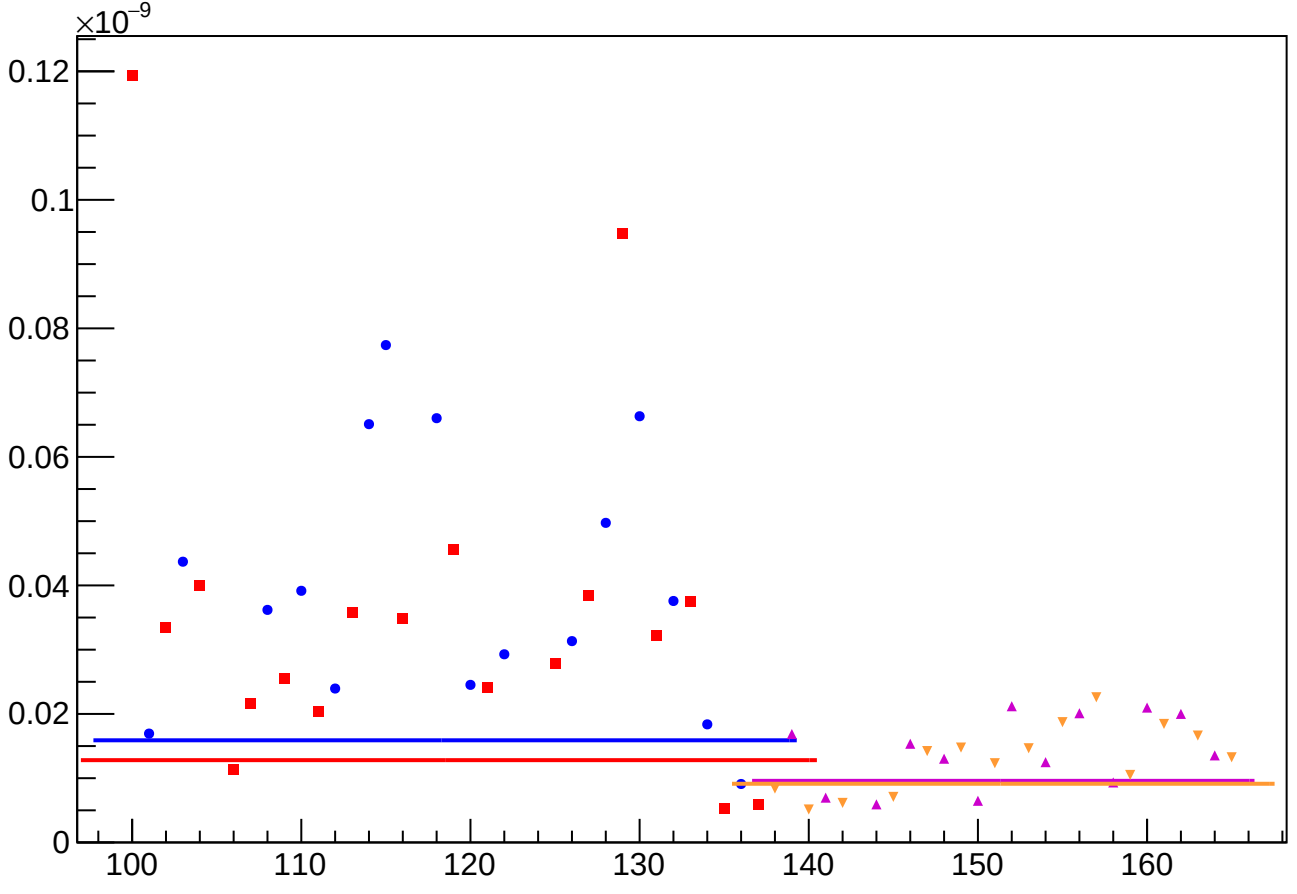
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/29

All: 0.000+/-0.000 χ^2/NDF: 60.7/60

- sign 0.000+/-0.000 χ^2/NDF: 30.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1529039.5/13

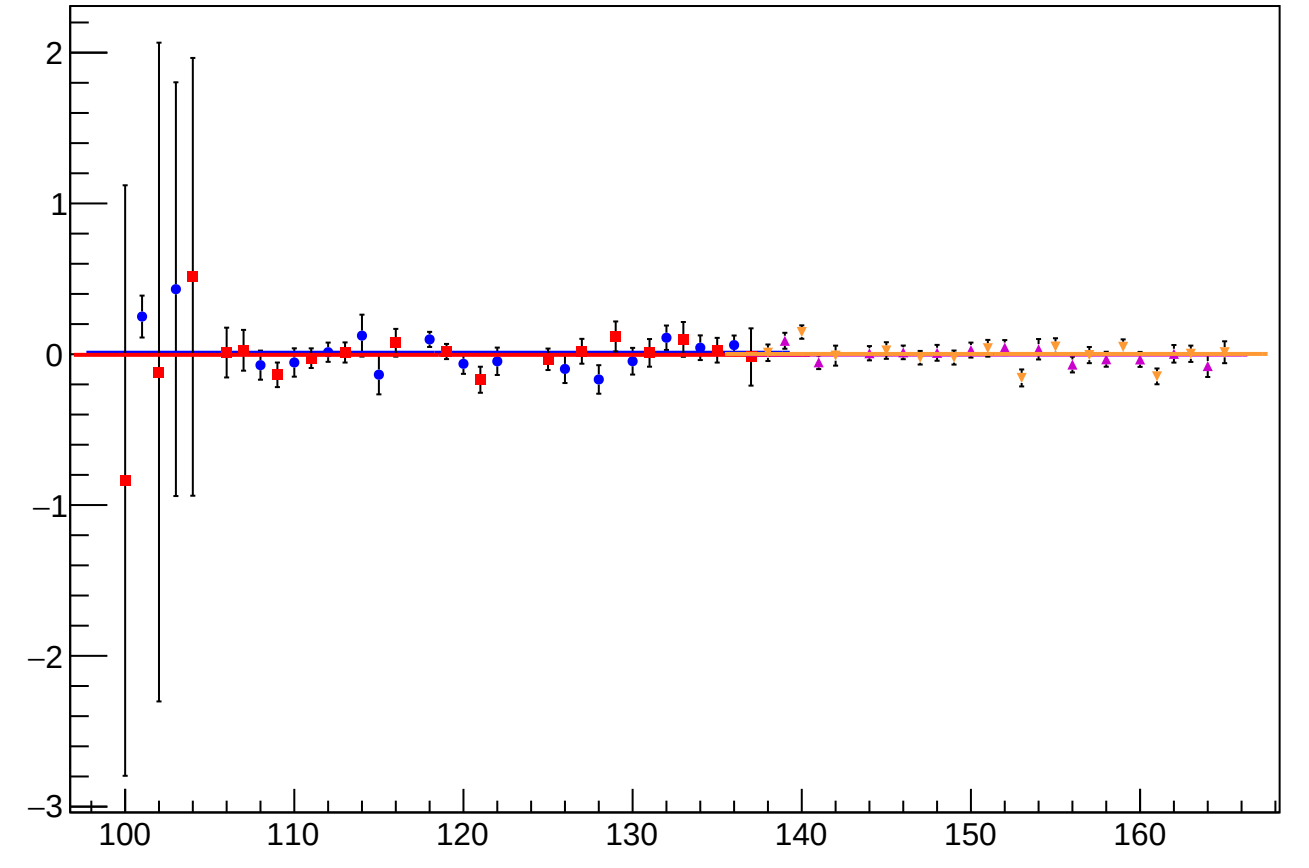
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1670168.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 4043450.5/29

All: 0.000+/-0.000 χ^2/NDF: 8347060.7/60

- sign 0.000+/-0.000 χ^2/NDF: 4303544.6/30



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/13

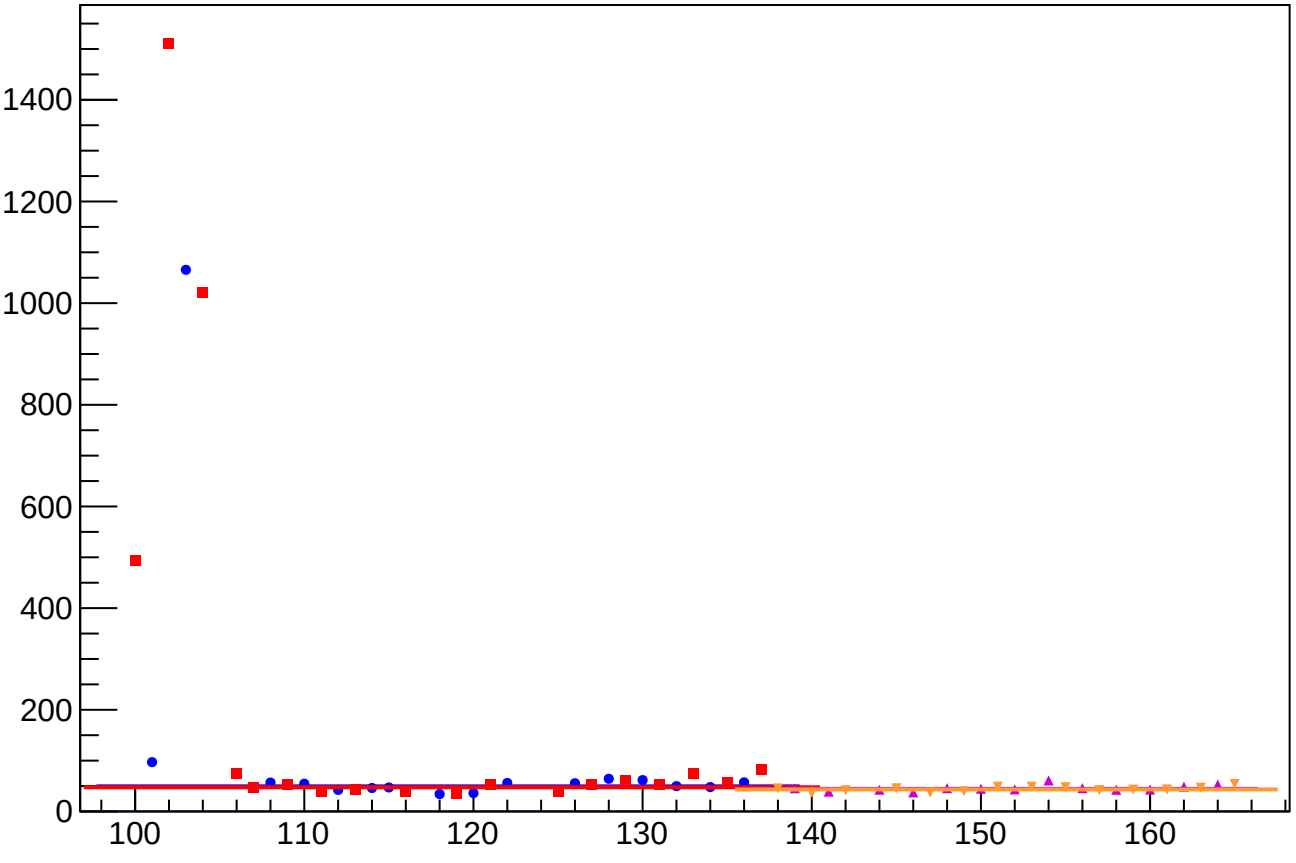
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.002+/-0.014 χ^2/NDF:9.5/12

+ sign 0.005+/-0.012 χ^2/NDF: 48.2/29

All: 0.001+/-0.008 χ^2/NDF: 68.3/60

- sign -0.003+/-0.012 χ^2/NDF: 20.0/30



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.321+/-0.010 χ^2/NDF:206612.5/13

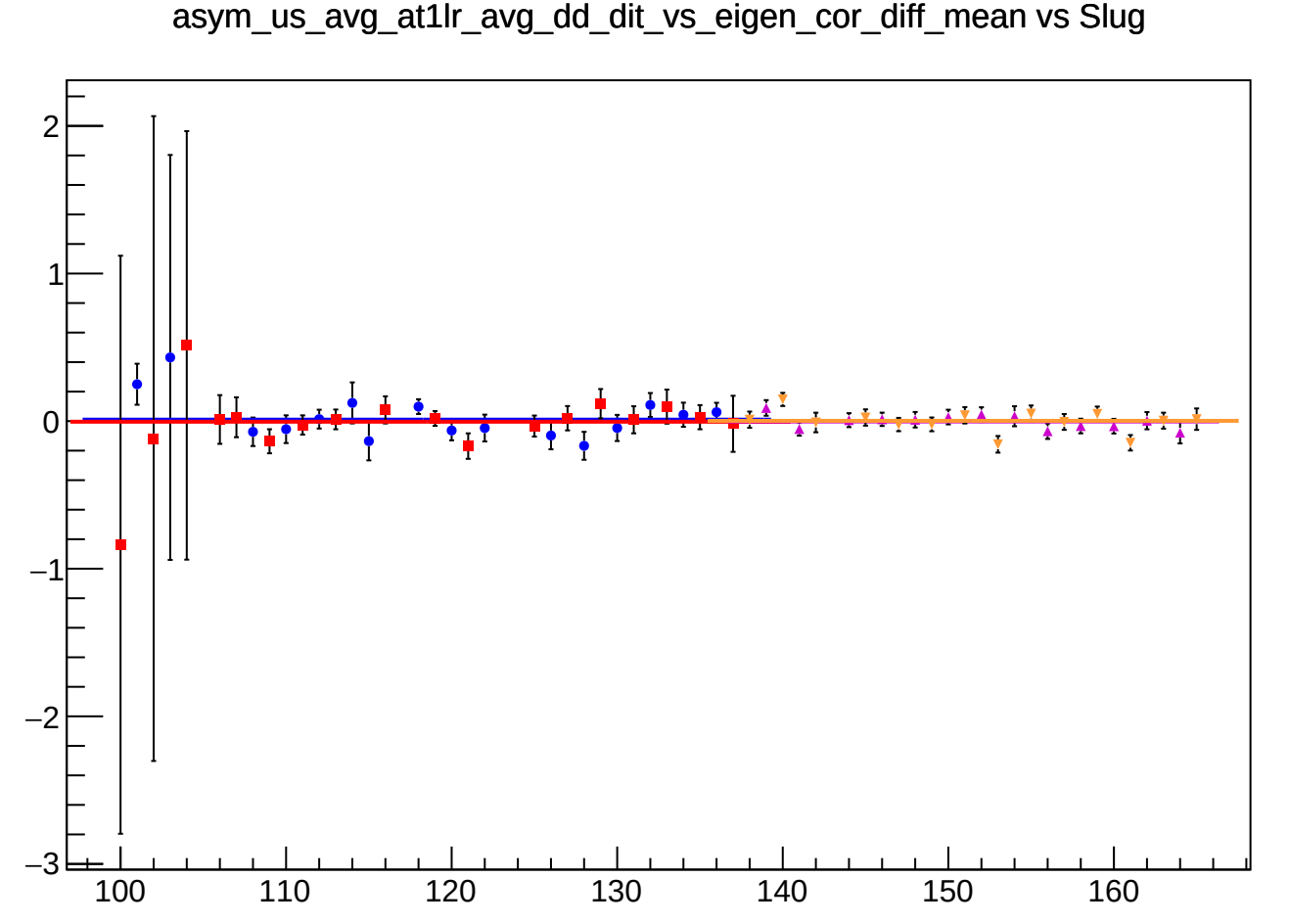
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.378+/-0.010 χ^2/NDF:243828.0/12

+ sign 45.212+/-0.008 χ^2/NDF: 2096424.3/29

All: 45.292+/-0.006 χ^2/NDF: 4789683.9/60

- sign 45.375+/-0.008 χ^2/NDF: 2693071.2/30



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/13

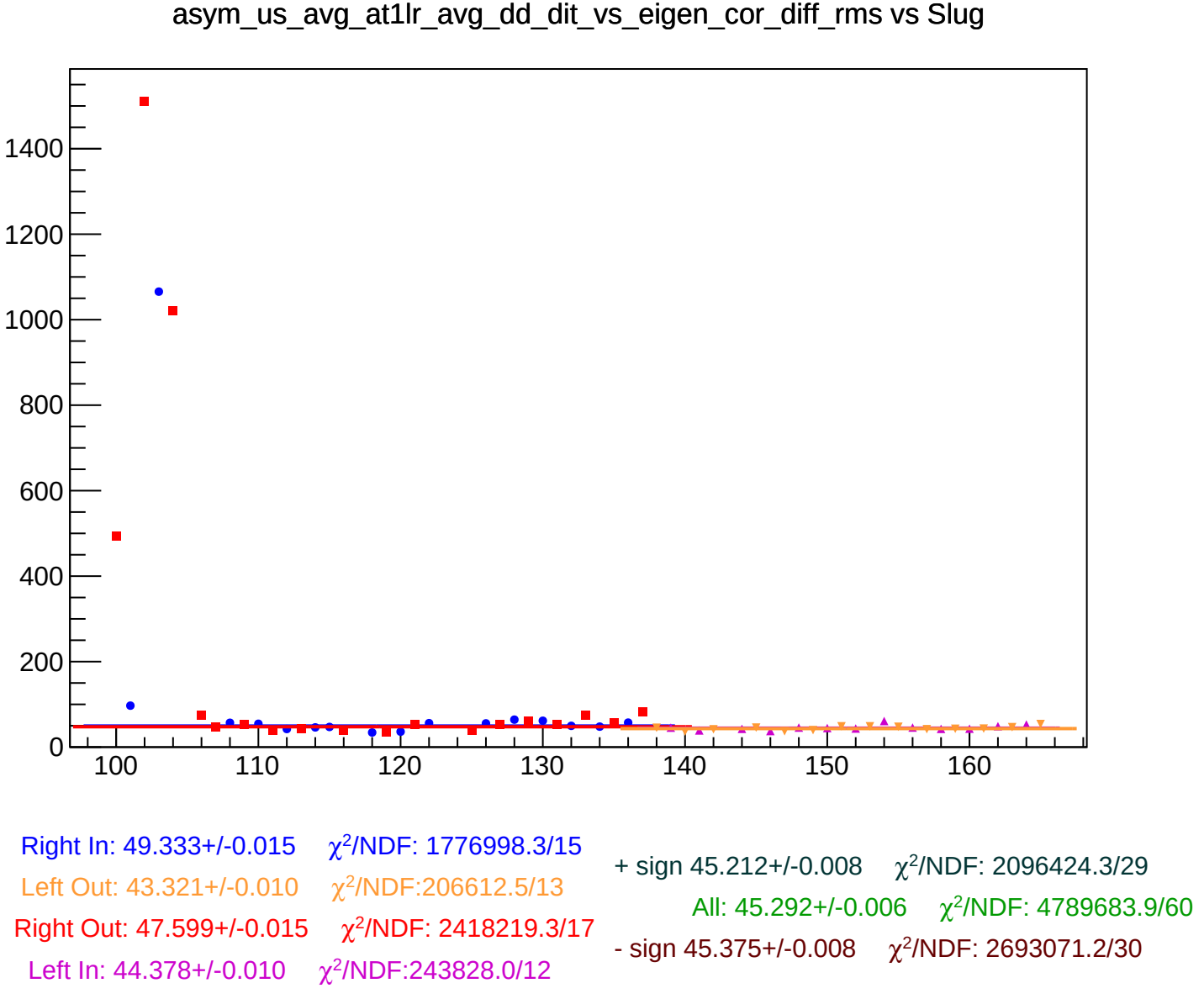
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

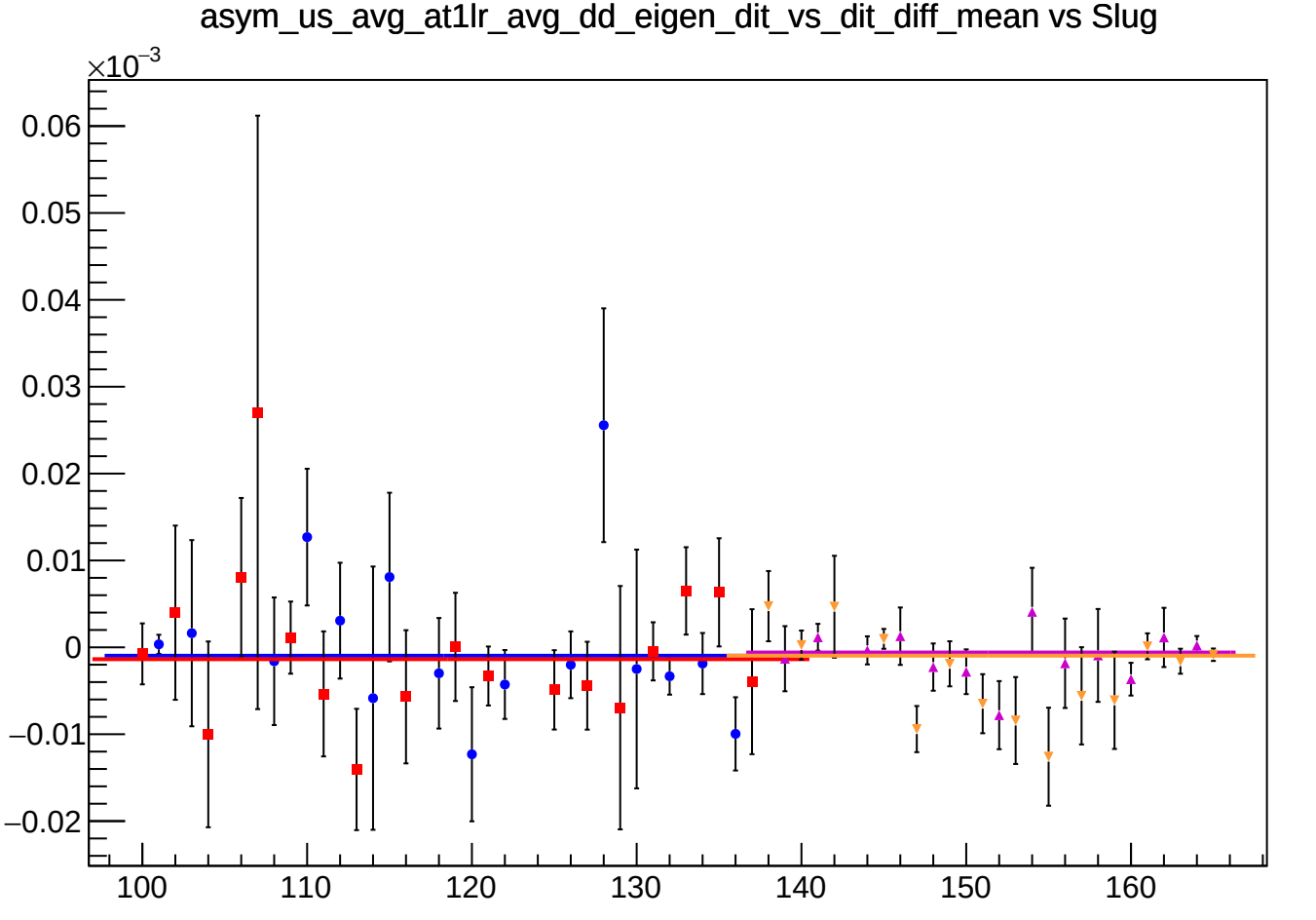
Left In: -0.002+/-0.014 χ^2/NDF:9.5/12

+ sign 0.005+/-0.012 χ^2/NDF: 48.2/29

All: 0.001+/-0.008 χ^2/NDF: 68.3/60

- sign -0.003+/-0.012 χ^2/NDF: 20.0/30


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
160
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 43.321+/-0.010 χ²/NDF:206612.5/13
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 44.378+/-0.010 χ²/NDF:243828.0/12
+ sign 45.212+/-0.008 χ²/NDF: 2096424.3/29
All: 45.292+/-0.006 χ²/NDF: 4789683.9/60
- sign 45.375+/-0.008 χ²/NDF: 2693071.2/30



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/13

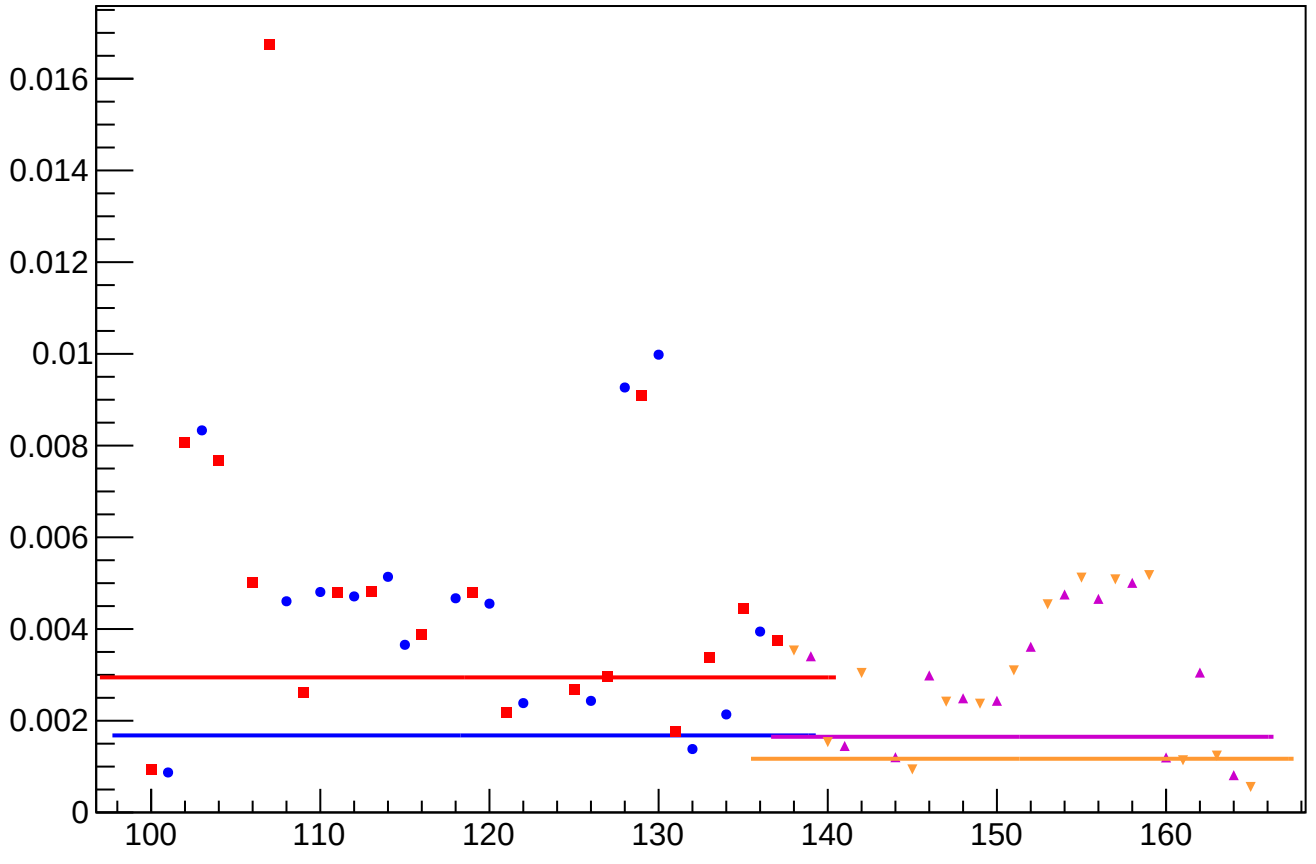
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/29

All: -0.000+/-0.000 χ^2/NDF: 70.1/60

- sign -0.000+/-0.000 χ^2/NDF: 23.5/30



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:7944034.2/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

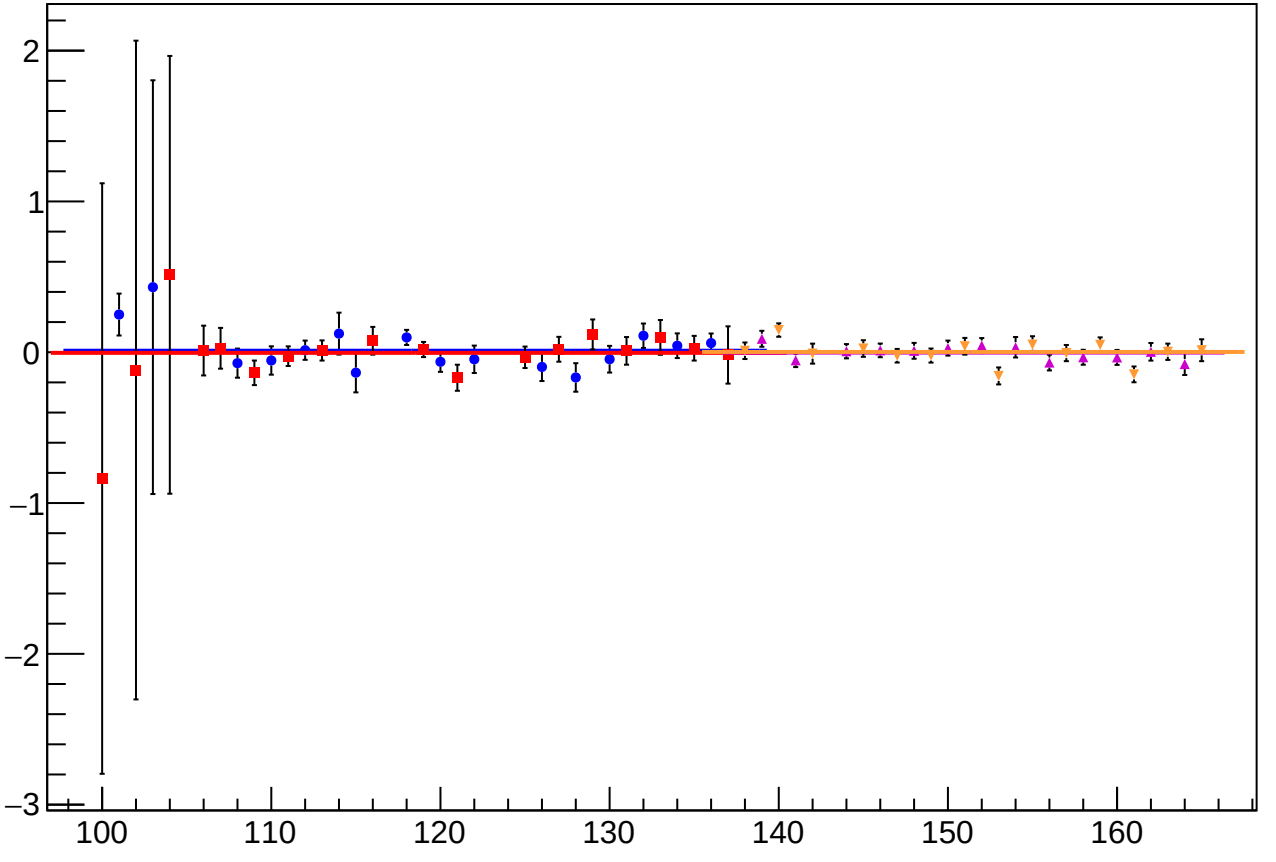
Left In: 0.002+/-0.000 χ^2/NDF:5673644.1/12

+ sign 0.001+/-0.000 χ^2/NDF: 14476320.0/29

All: 0.002+/-0.000 χ^2/NDF: 26679694.1/60

- sign 0.002+/-0.000 χ^2/NDF: 10695363.9/30

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: 0.002+/-0.014 χ^2/NDF:29.6/13

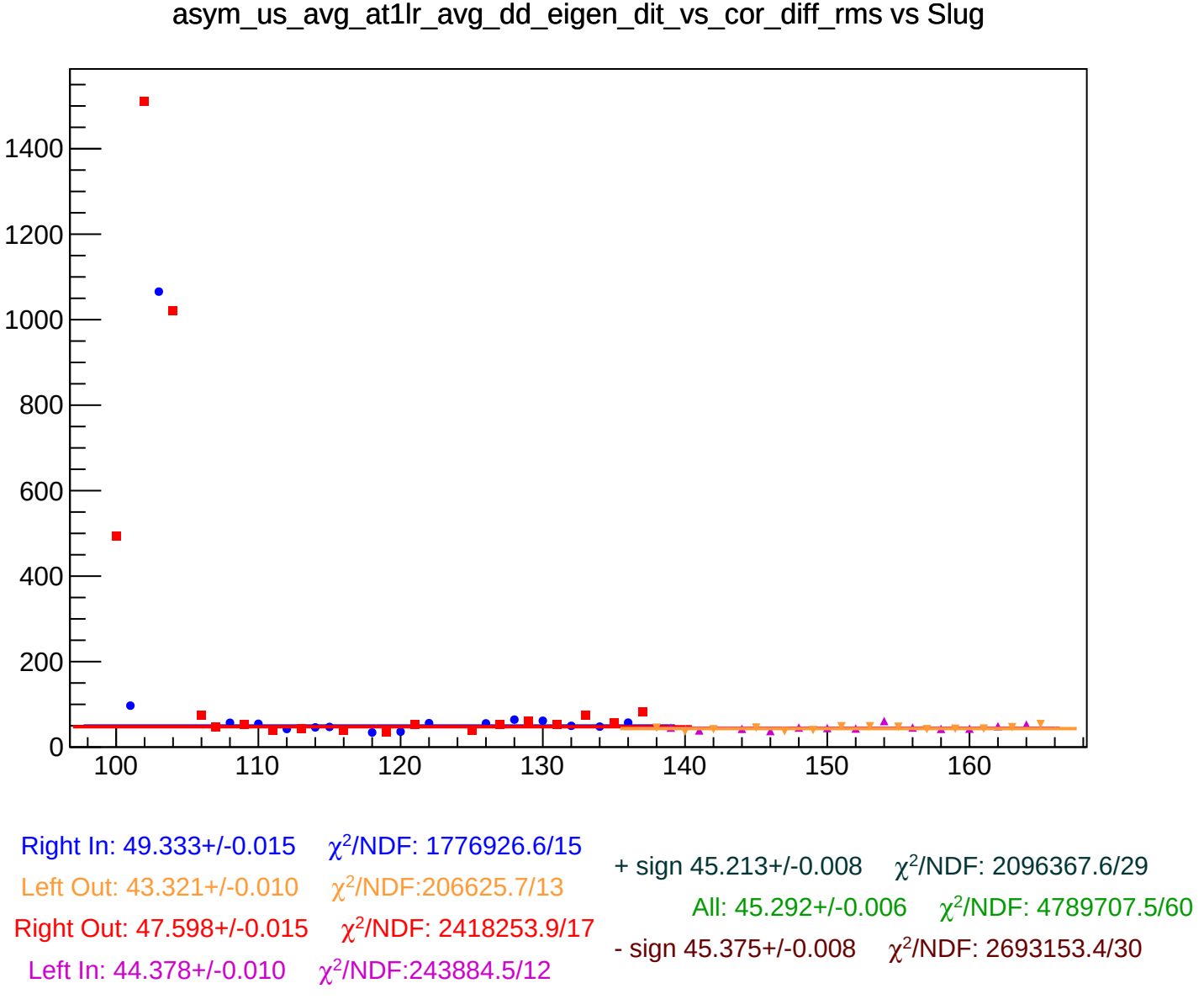
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.002+/-0.014 χ^2/NDF:9.5/12

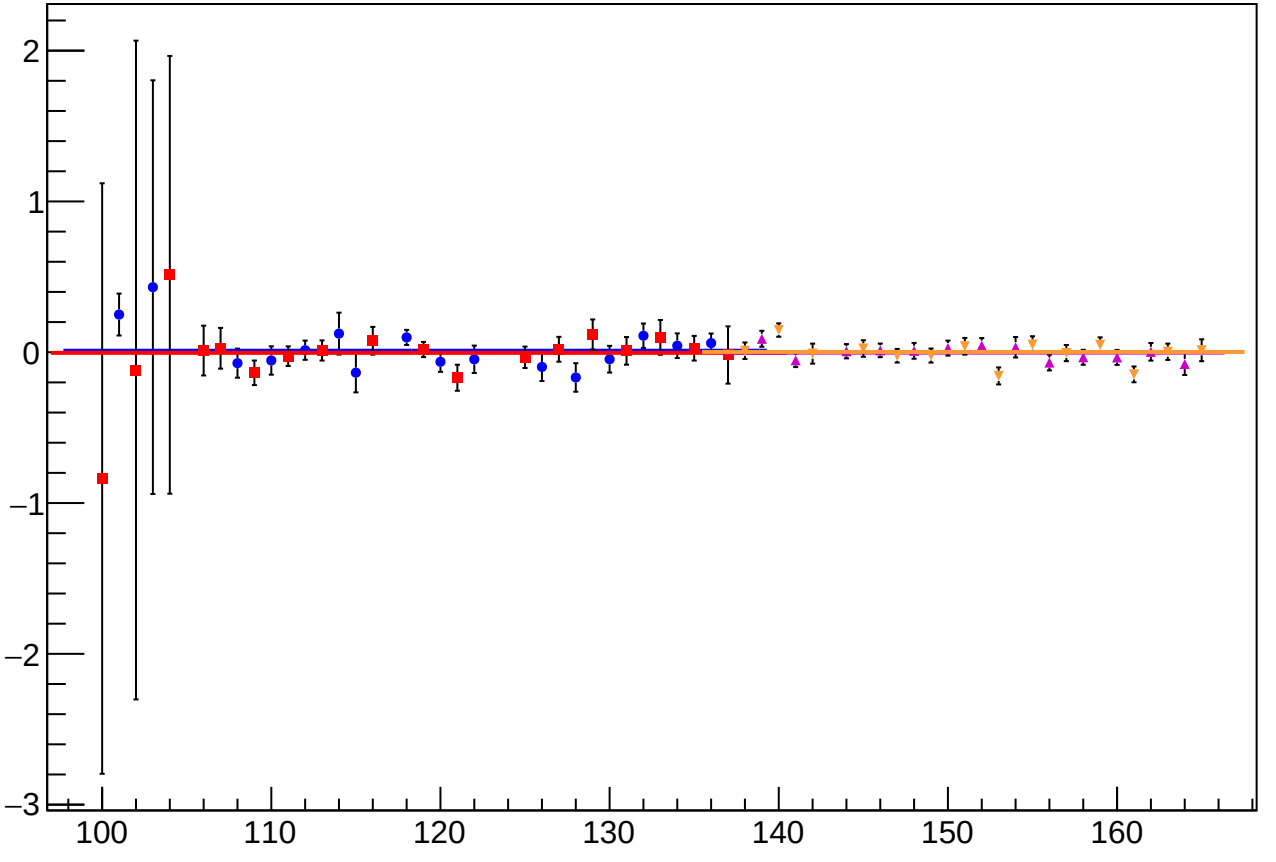
+ sign 0.005+/-0.012 χ^2/NDF: 48.2/29

All: 0.001+/-0.008 χ^2/NDF: 68.3/60

- sign -0.003+/-0.012 χ^2/NDF: 20.0/30


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 43.321+/-0.010 χ²/NDF:206625.7/13
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 44.378+/-0.010 χ²/NDF:243884.5/12
+ sign 45.213+/-0.008 χ²/NDF: 2096367.6/29
All: 45.292+/-0.006 χ²/NDF: 4789707.5/60
- sign 45.375+/-0.008 χ²/NDF: 2693153.4/30

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: 0.002+/-0.014 χ^2/NDF:29.6/13

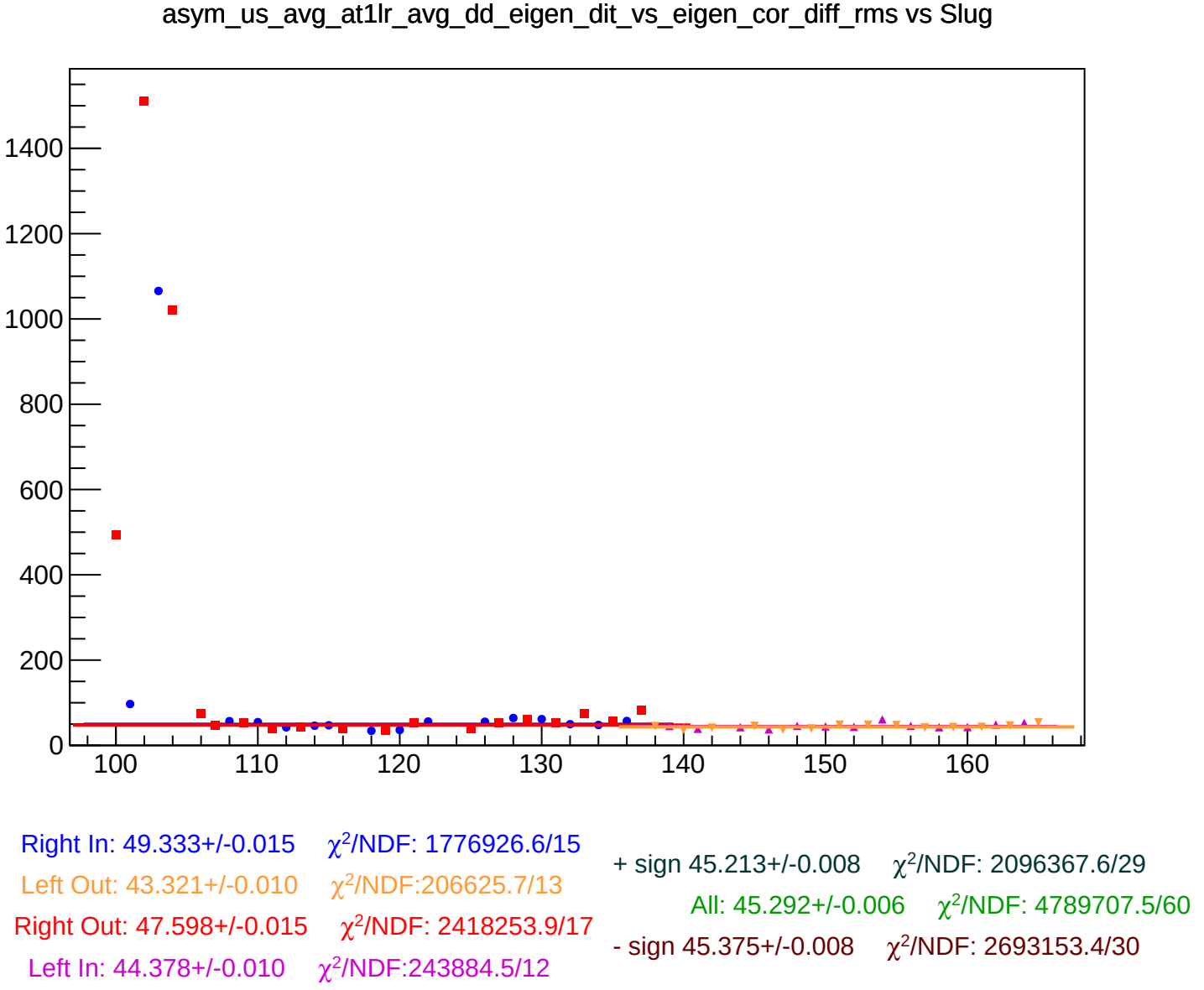
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

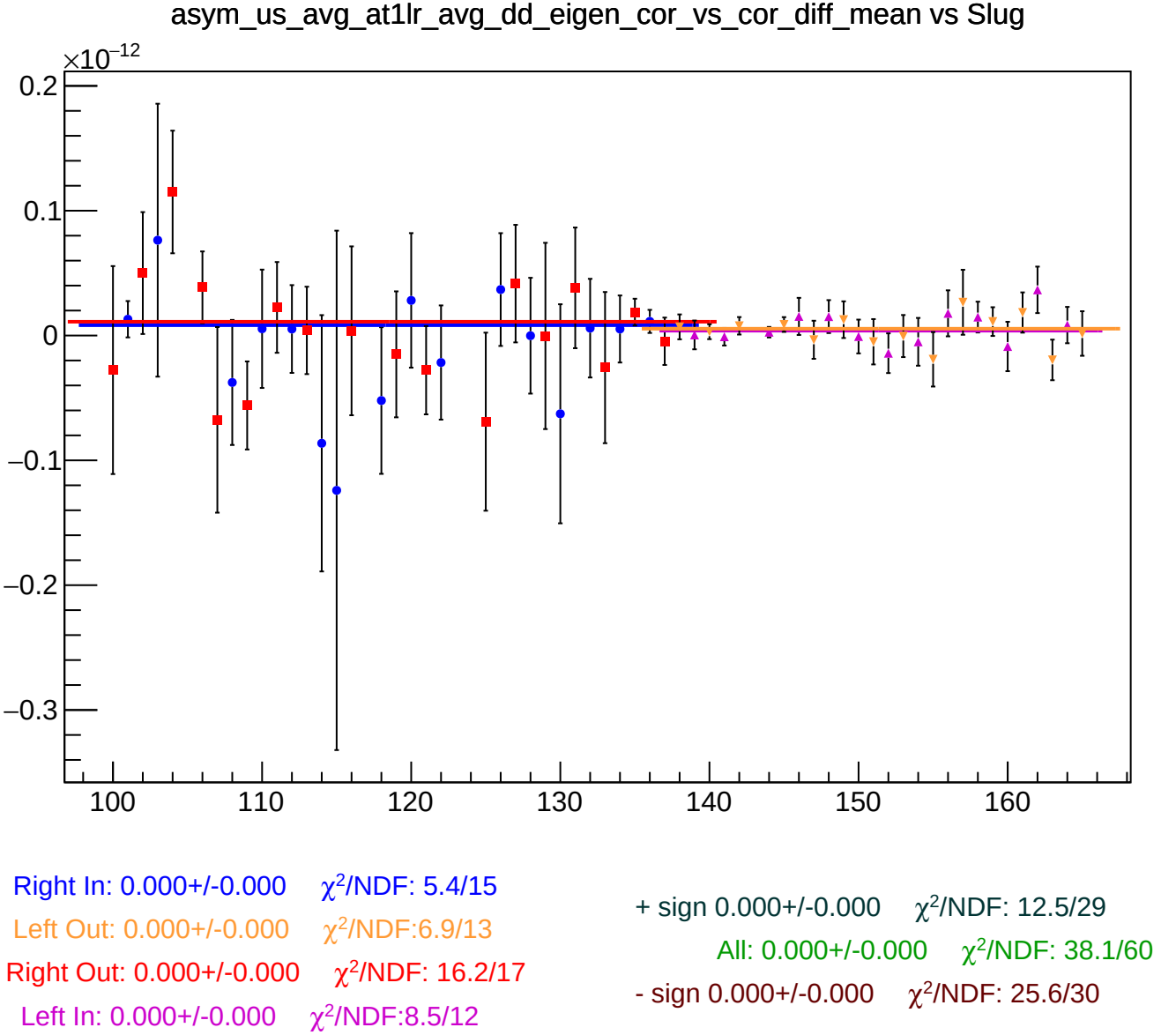
Left In: -0.002+/-0.014 χ^2/NDF:9.5/12

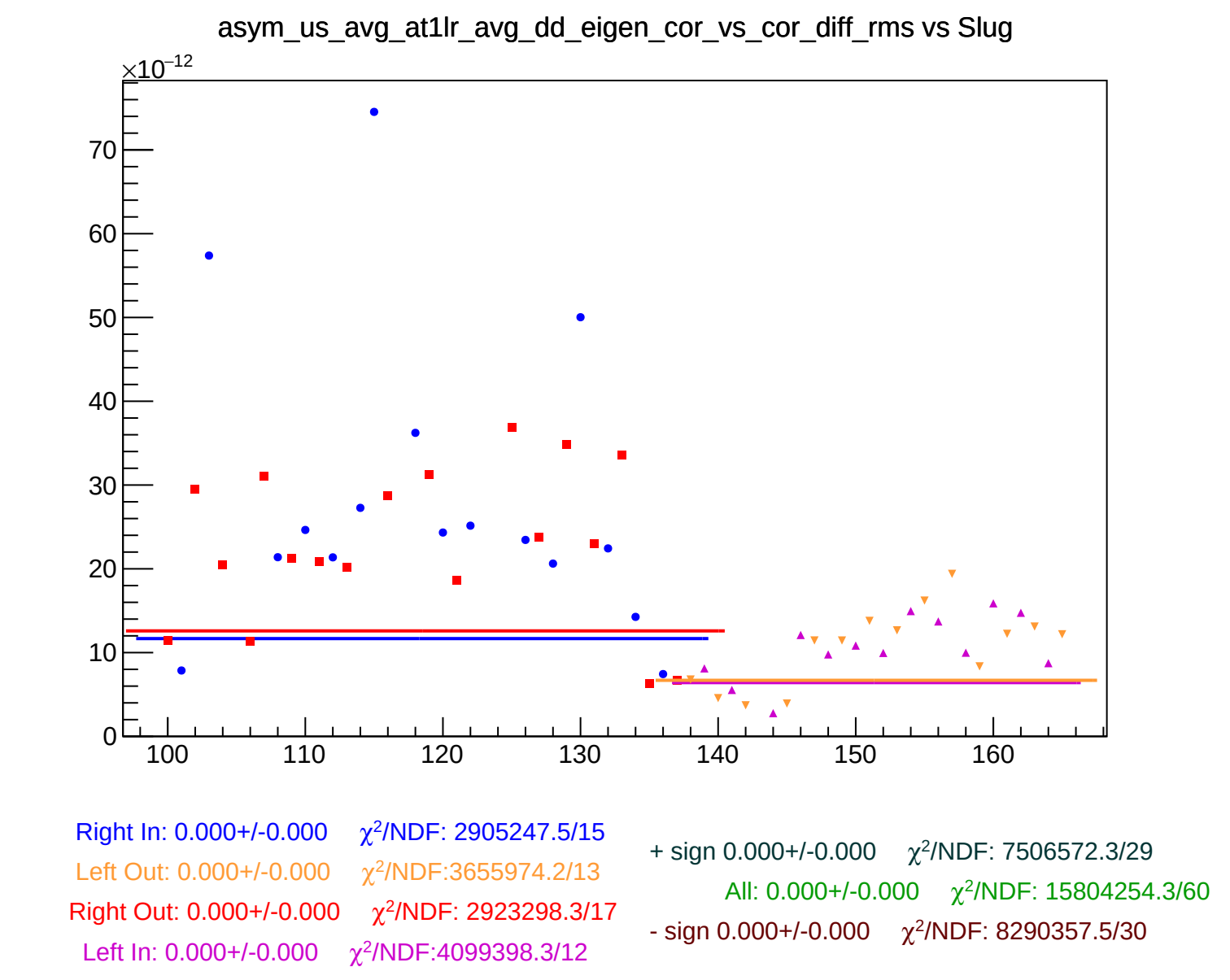
+ sign 0.005+/-0.012 χ^2/NDF: 48.2/29

All: 0.001+/-0.008 χ^2/NDF: 68.3/60

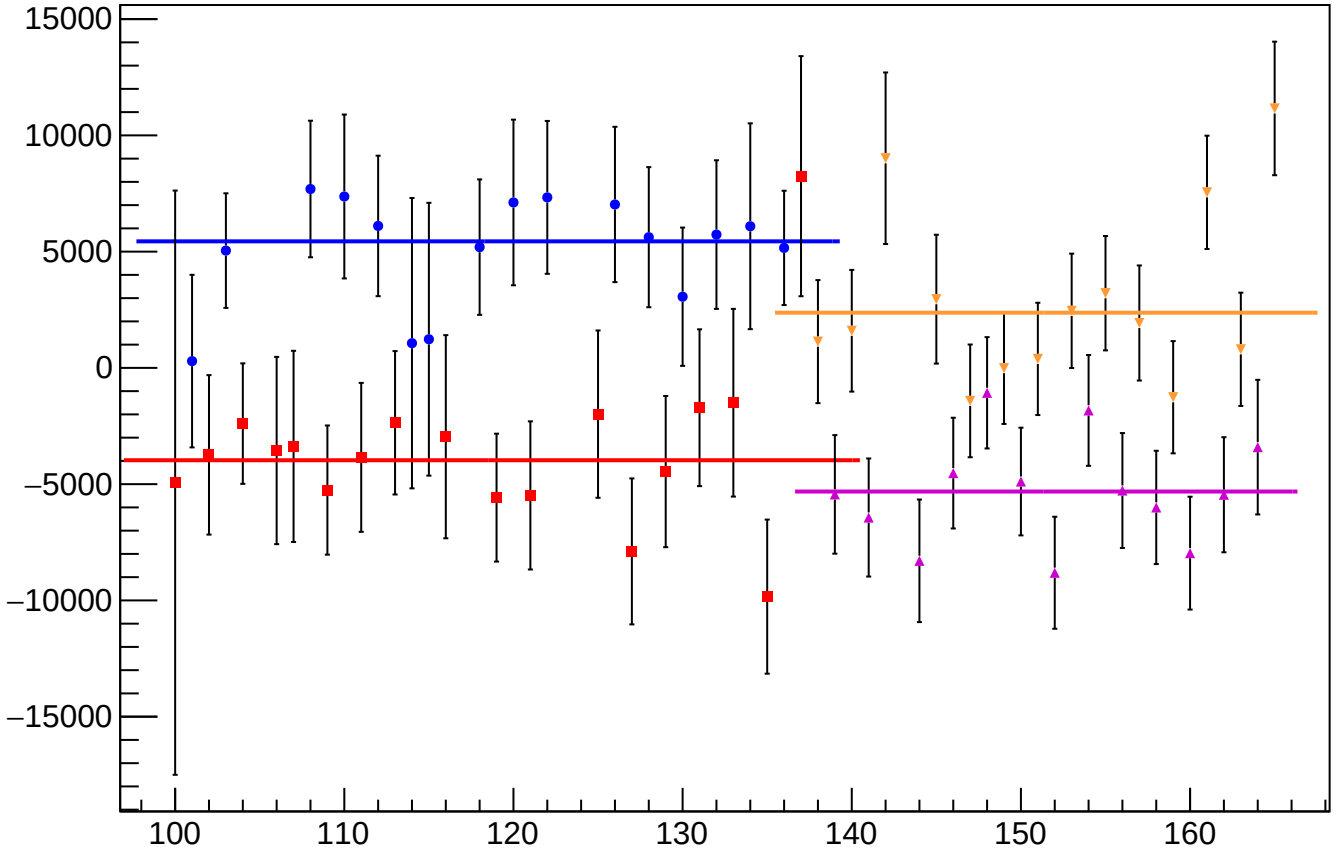
- sign -0.003+/-0.012 χ^2/NDF: 20.0/30


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 43.321+/-0.010 χ²/NDF:206625.7/13
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 44.378+/-0.010 χ²/NDF:243884.5/12
+ sign 45.213+/-0.008 χ²/NDF: 2096367.6/29
All: 45.292+/-0.006 χ²/NDF: 4789707.5/60
- sign 45.375+/-0.008 χ²/NDF: 2693153.4/30


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6.9/13
Right Out: 0.000+/-0.000 χ²/NDF: 16.2/17
Left In: 0.000+/-0.000 χ²/NDF:8.5/12
+ sign 0.000+/-0.000 χ²/NDF: 12.5/29
All: 0.000+/-0.000 χ²/NDF: 38.1/60
- sign 0.000+/-0.000 χ²/NDF: 25.6/30


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3655974.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:4099398.3/12
+ sign 0.000+/-0.000 χ²/NDF: 7506572.3/29
All: 0.000+/-0.000 χ²/NDF: 15804254.3/60
- sign 0.000+/-0.000 χ²/NDF: 8290357.5/30

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2374.040+/-684.885 χ^2/NDF:24.4/13

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

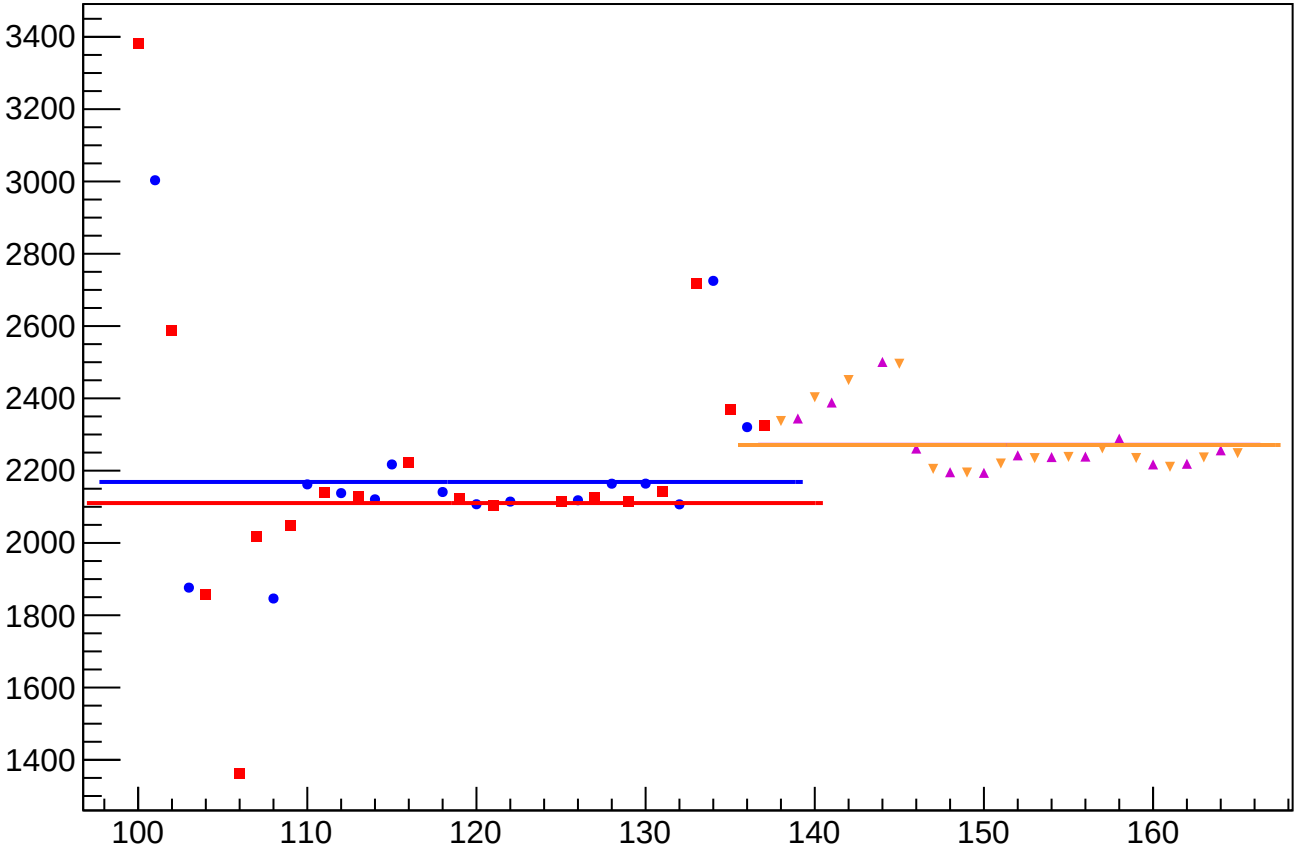
Left In: -5317.866+/-686.260 χ^2/NDF:10.7/12

+ sign 3648.516+/-523.671 χ^2/NDF: 38.1/29

All: -555.699+/-370.174 χ^2/NDF: 192.2/60

- sign -4754.575+/-523.338 χ^2/NDF: 25.3/30

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2270.995+/-0.484 χ^2/NDF:31679.4/13

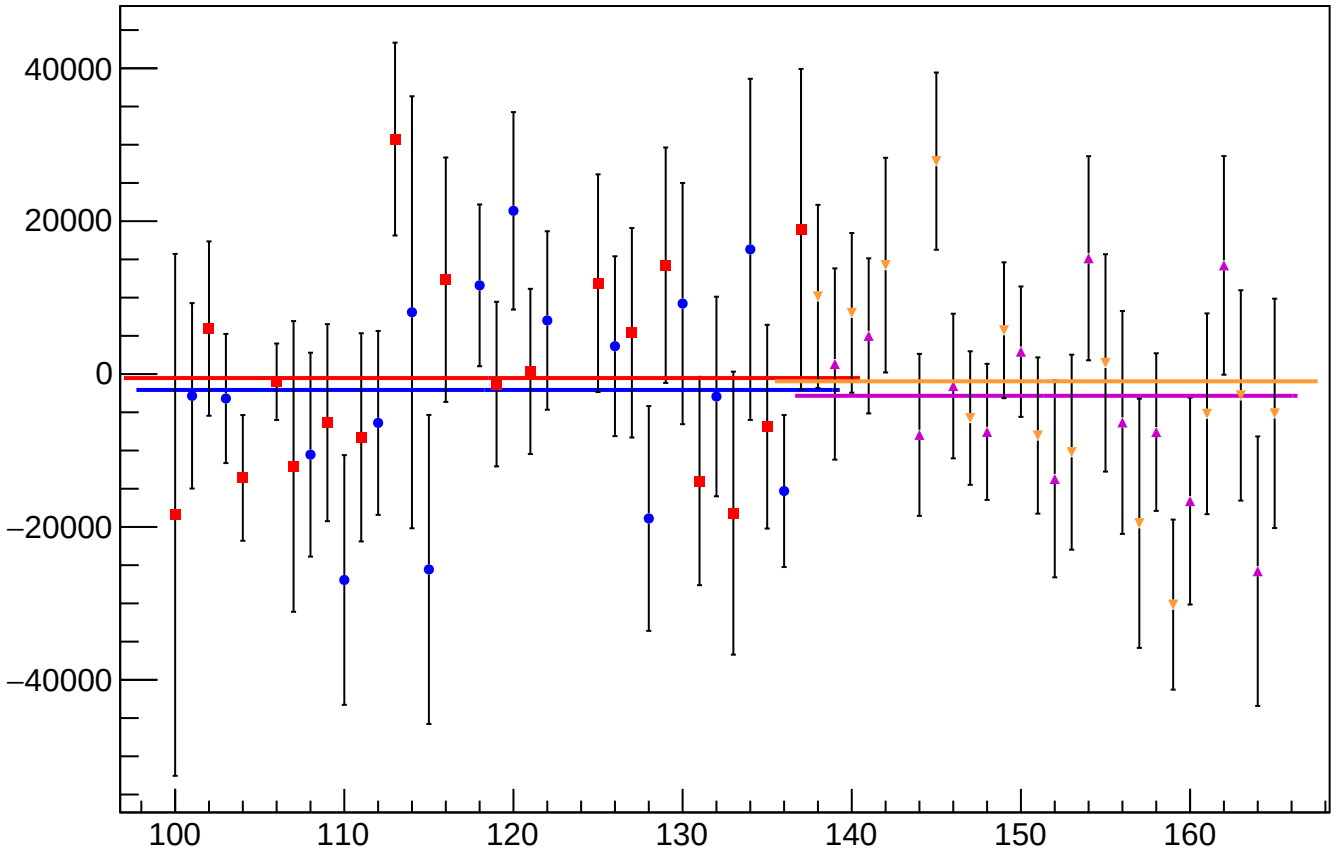
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

+ sign 2228.511+/-0.370 χ^2/NDF: 245866.1/29

All: 2215.550+/-0.261 χ^2/NDF: 591068.1/60

- sign 2202.778+/-0.368 χ^2/NDF: 342769.4/30



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -944.647+/-3124.109 χ^2/NDF:19.2/13

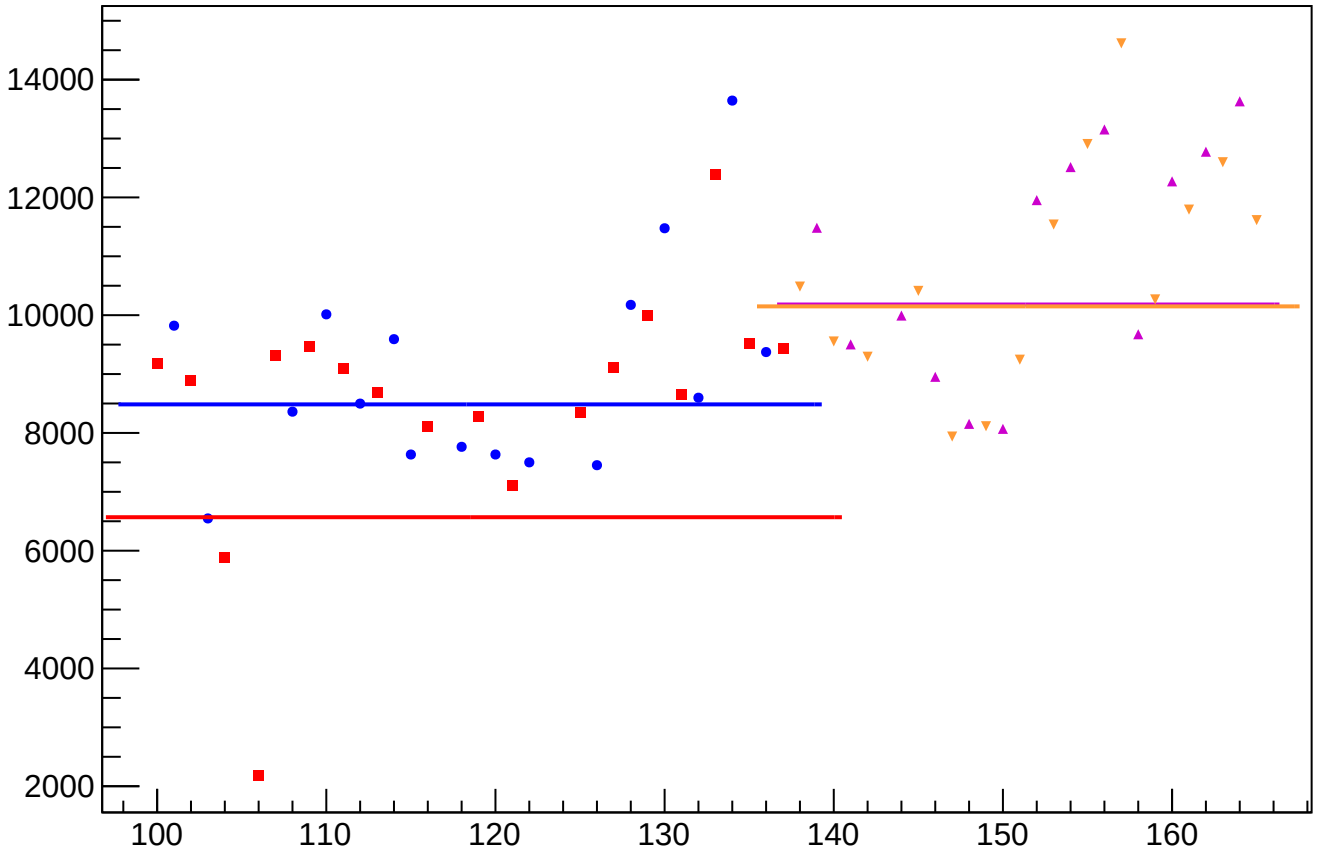
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2841.400+/-3133.066 χ^2/NDF:8.6/12

+ sign -1494.054+/-2239.538 χ^2/NDF: 33.7/29

All: -1506.347+/-1512.968 χ^2/NDF: 58.4/60

- sign -1516.668+/-2052.054 χ^2/NDF: 24.6/30



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10149.315+/-2.209 χ^2/NDF:628468.0/13

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

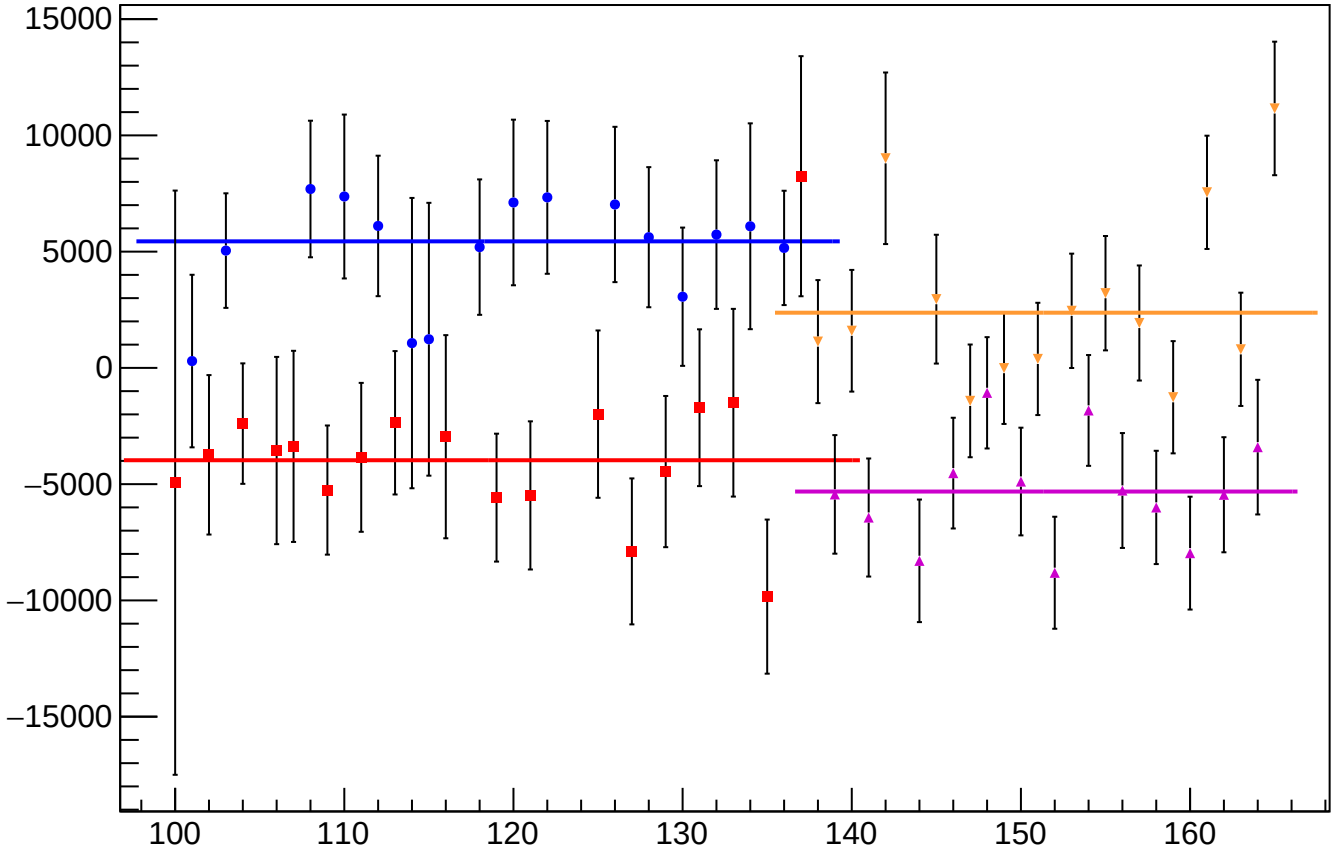
Left In: 10181.080+/-2.215 χ^2/NDF:668524.4/12

+ sign 9340.263+/-1.584 χ^2/NDF: 1327098.0/29

All: 8676.028+/-1.070 χ^2/NDF: 6406347.0/60

- sign 8118.350+/-1.451 χ^2/NDF: 4755598.8/30

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2373.931+/-684.885 χ^2/NDF:24.4/13

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

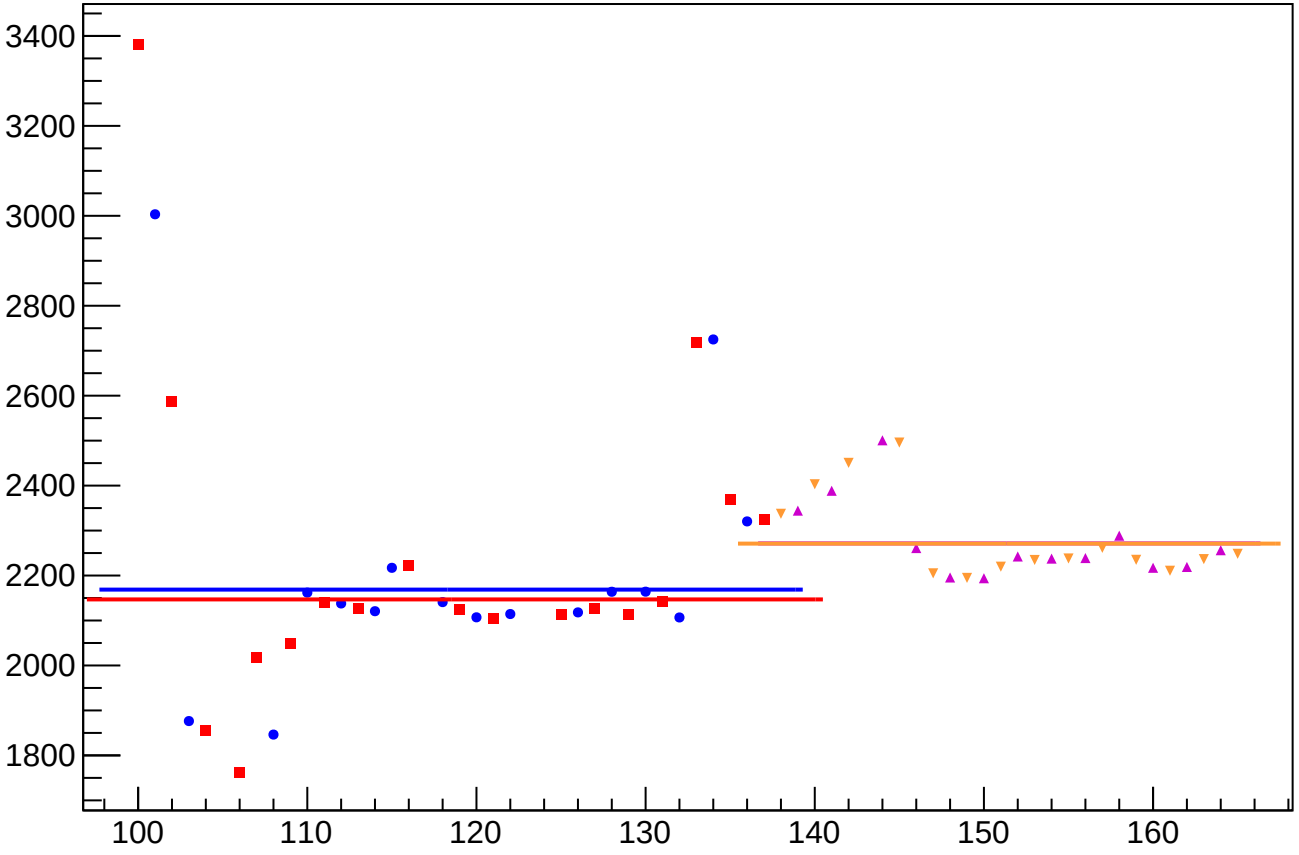
Left In: -5317.999+/-686.260 χ^2/NDF:10.7/12

+ sign 3648.511+/-523.671 χ^2/NDF: 38.1/29

All: -555.687+/-370.174 χ^2/NDF: 192.2/60

- sign -4754.544+/-523.338 χ^2/NDF: 25.3/30

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2270.995+/-0.484 χ^2/NDF:31679.4/13

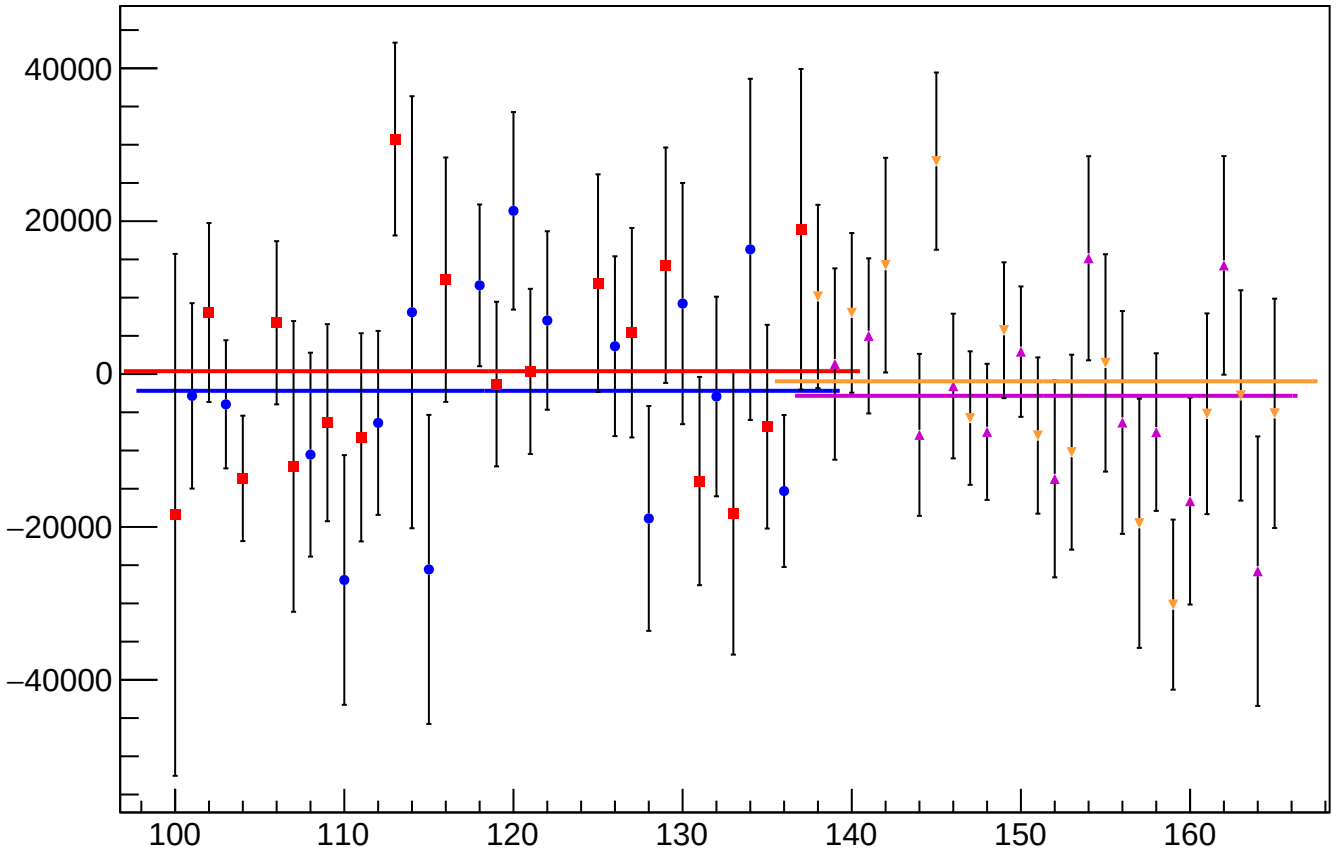
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

+ sign 2228.511+/-0.370 χ^2/NDF: 245866.6/29

All: 2223.752+/-0.261 χ^2/NDF: 460064.2/60

- sign 2219.018+/-0.369 χ^2/NDF: 213868.1/30



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -944.682+/-3124.106 χ^2/NDF:19.2/13

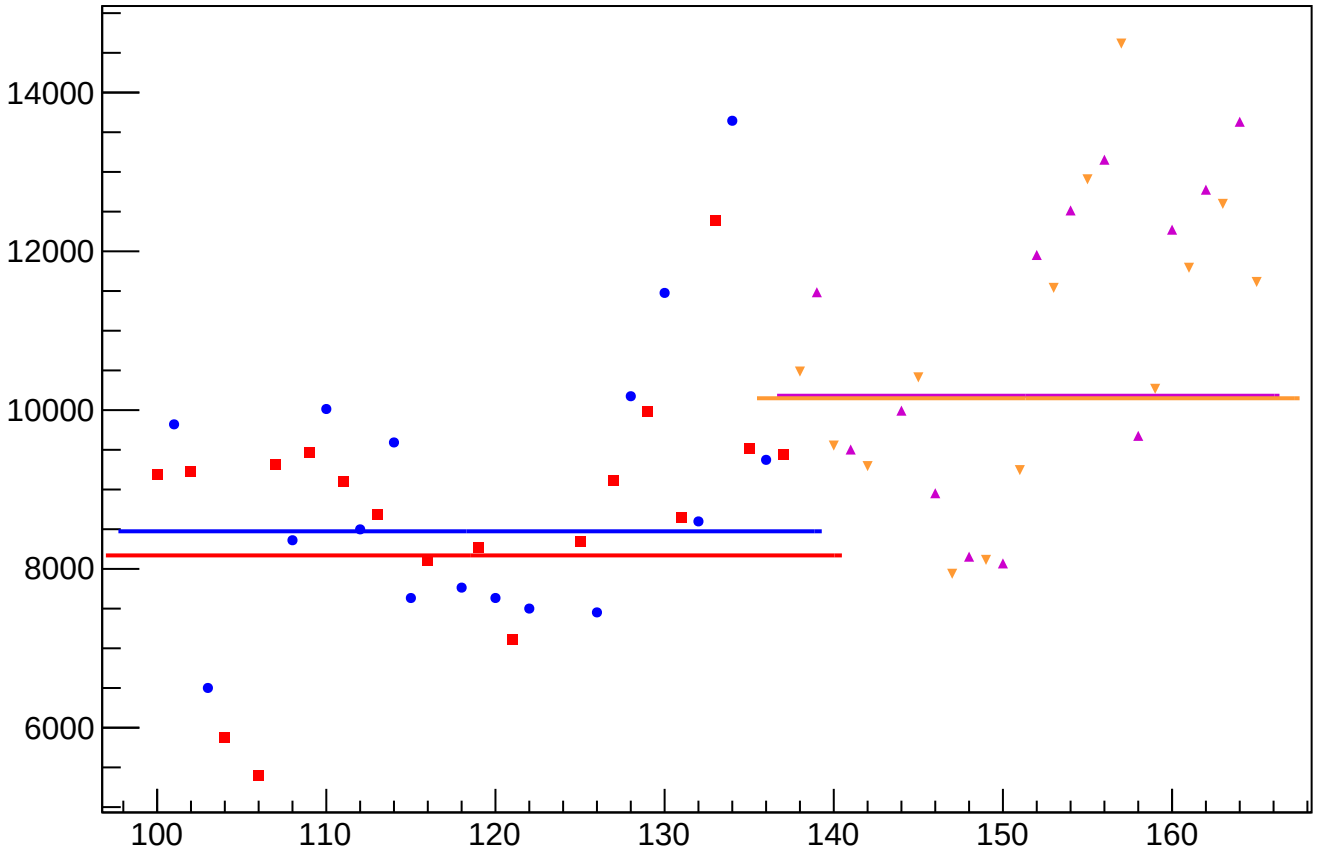
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2841.620+/-3133.065 χ^2/NDF:8.6/12

+ sign -1550.381+/-2238.326 χ^2/NDF: 33.8/29

All: -1379.603+/-1570.318 χ^2/NDF: 59.3/60

- sign -1214.082+/-2203.611 χ^2/NDF: 25.5/30



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10149.306+/-2.209 χ^2/NDF:628470.3/13

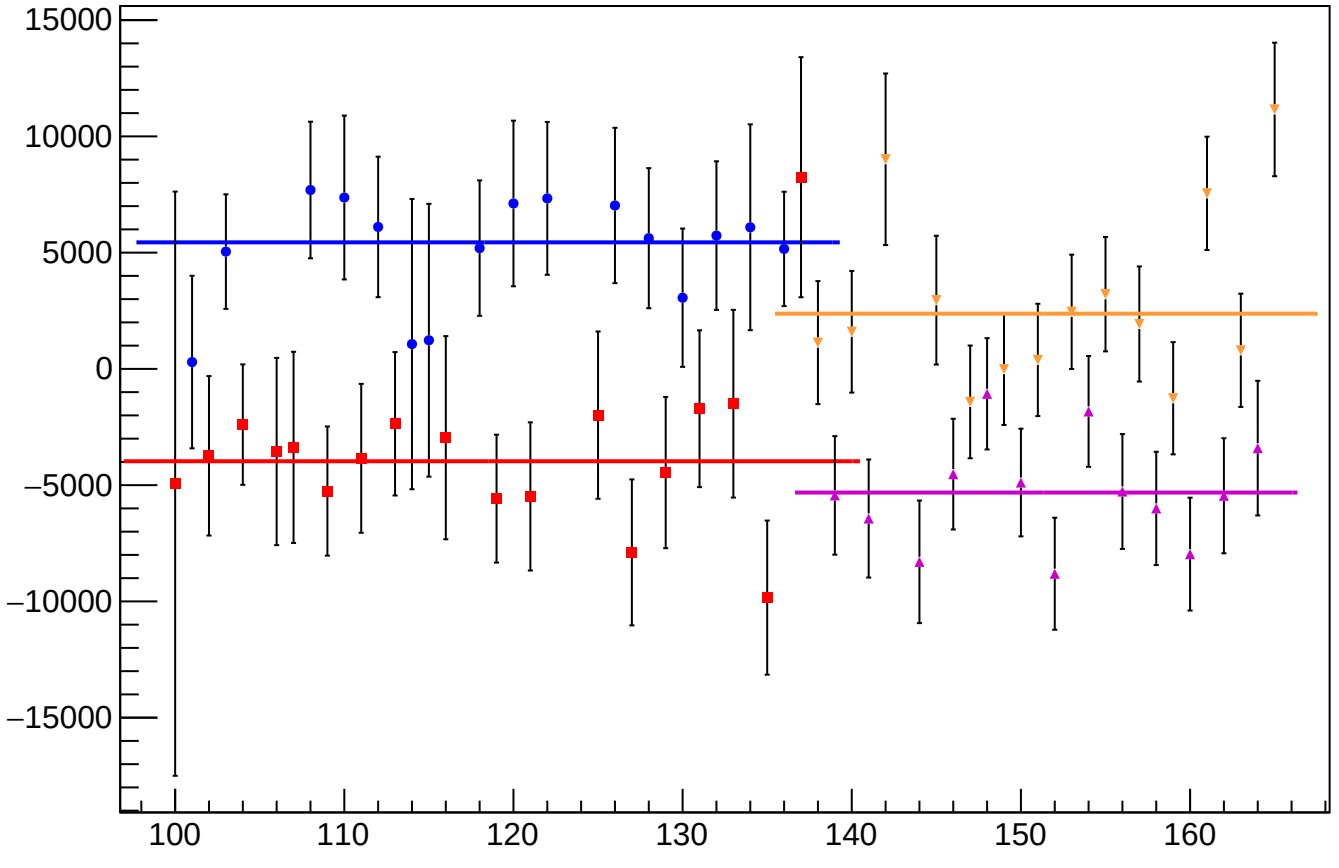
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10181.076+/-2.215 χ^2/NDF:668529.4/12

+ sign 9333.857+/-1.583 χ^2/NDF: 1338003.5/29

All: 9248.042+/-1.110 χ^2/NDF: 2968633.5/60

- sign 9164.869+/-1.558 χ^2/NDF: 1624841.0/30



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2373.931+/-684.885 χ^2/NDF:24.4/13

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

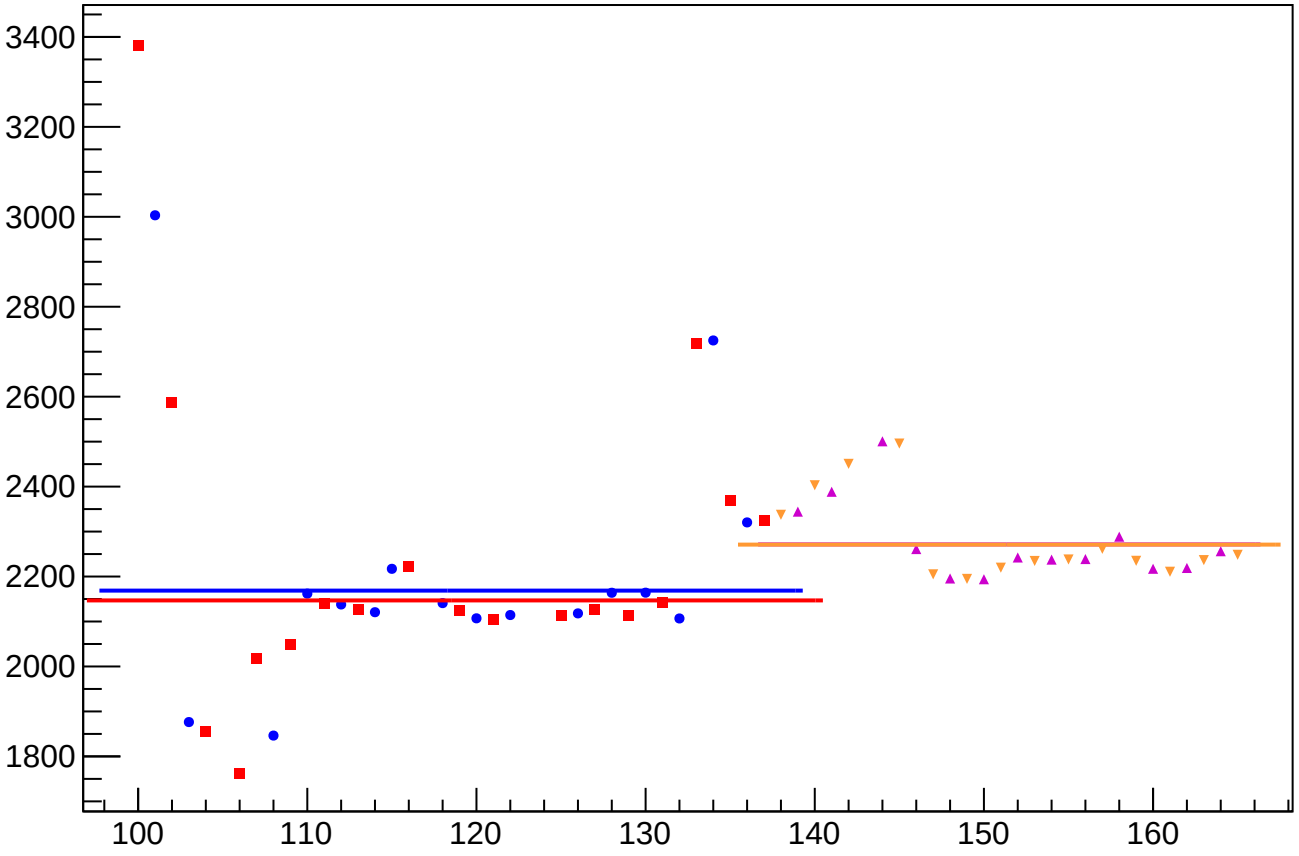
Left In: -5317.999+/-686.260 χ^2/NDF:10.7/12

+ sign 3648.511+/-523.671 χ^2/NDF: 38.1/29

All: -555.687+/-370.174 χ^2/NDF: 192.2/60

- sign -4754.544+/-523.338 χ^2/NDF: 25.3/30

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: 2270.995+/-0.484 χ^2/NDF:31679.4/13

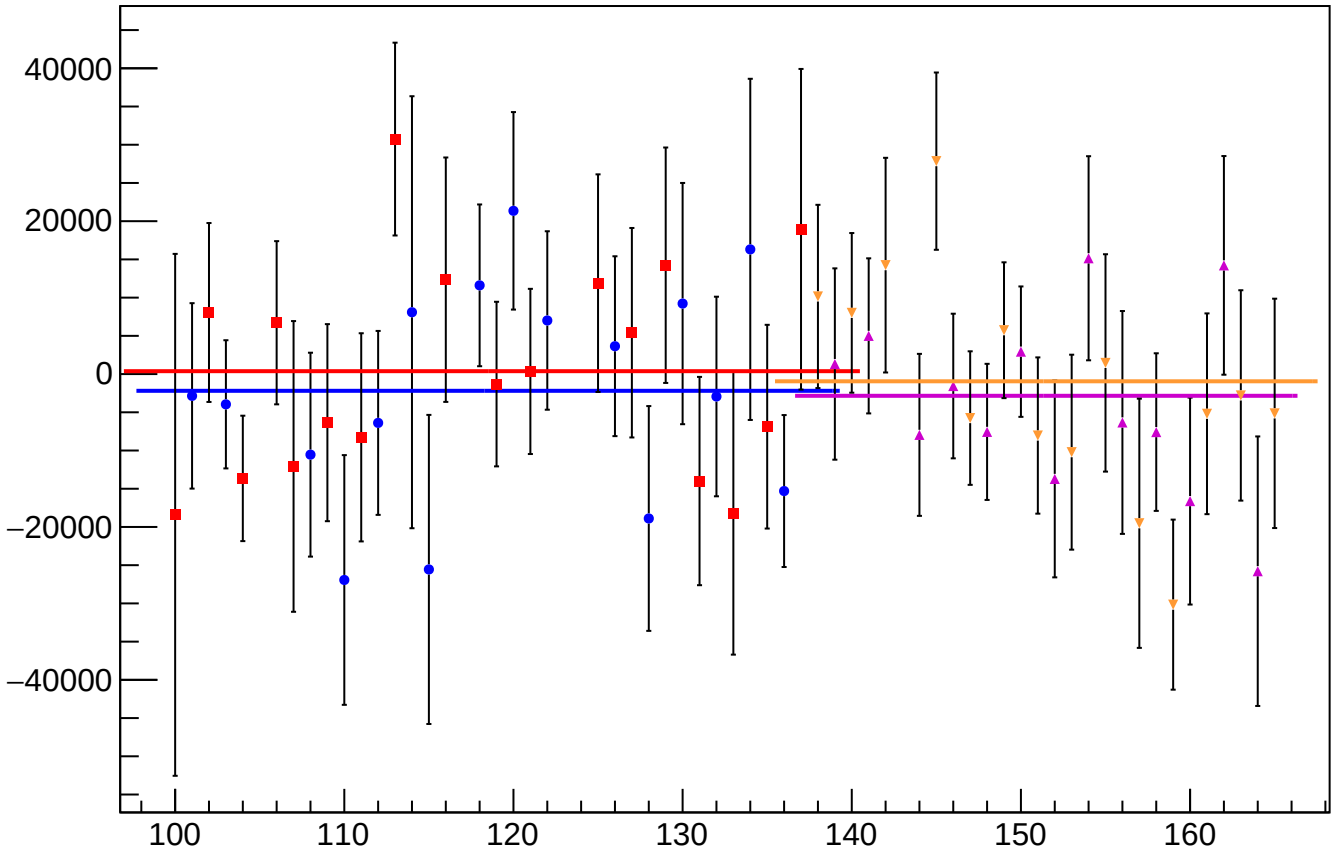
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

+ sign 2228.511+/-0.370 χ^2/NDF: 245866.6/29

All: 2223.752+/-0.261 χ^2/NDF: 460064.2/60

- sign 2219.018+/-0.369 χ^2/NDF: 213868.1/30



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -944.682+/-3124.106 χ^2/NDF:19.2/13

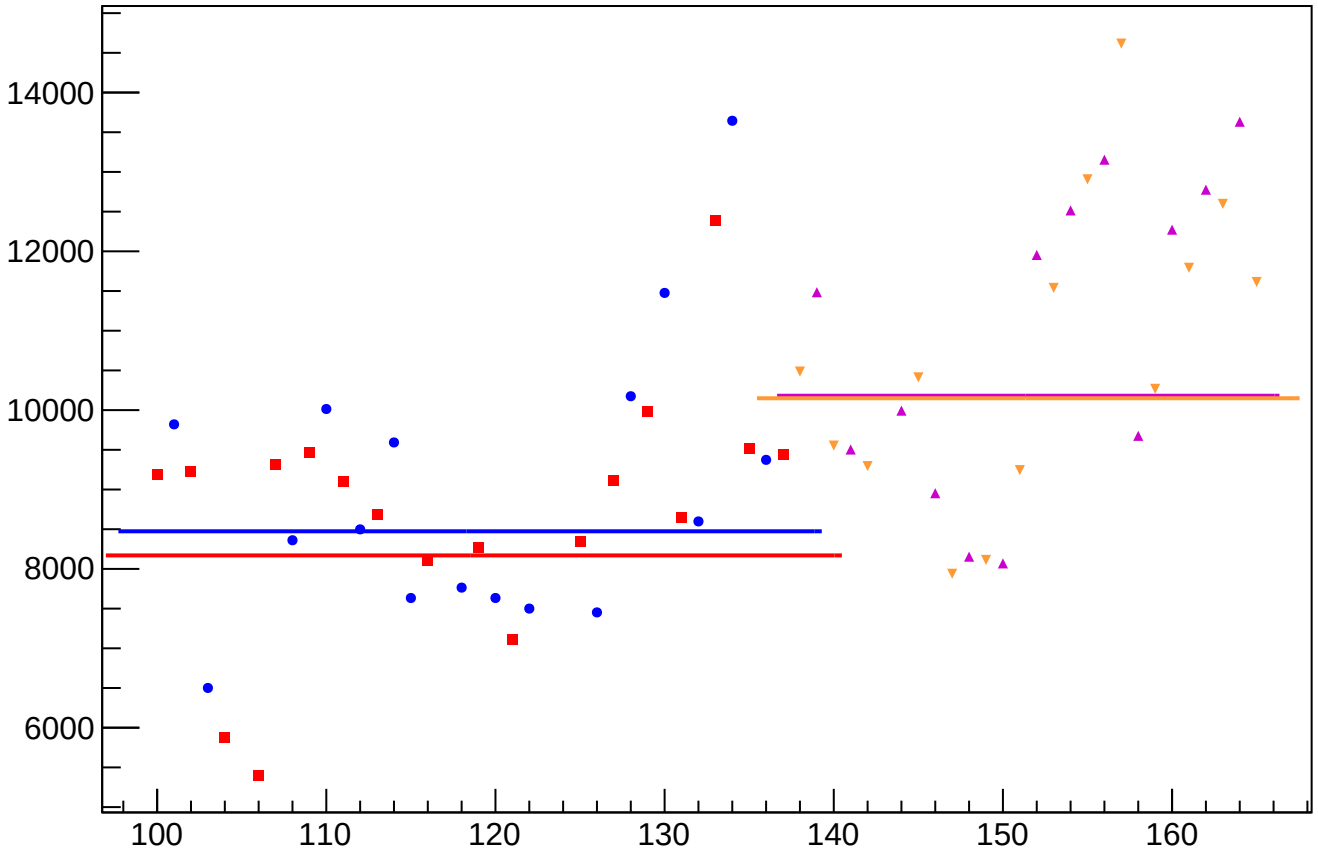
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2841.620+/-3133.065 χ^2/NDF:8.6/12

+ sign -1550.381+/-2238.326 χ^2/NDF: 33.8/29

All: -1379.603+/-1570.318 χ^2/NDF: 59.3/60

- sign -1214.082+/-2203.611 χ^2/NDF: 25.5/30



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10149.306+/-2.209 χ^2/NDF:628470.3/13

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

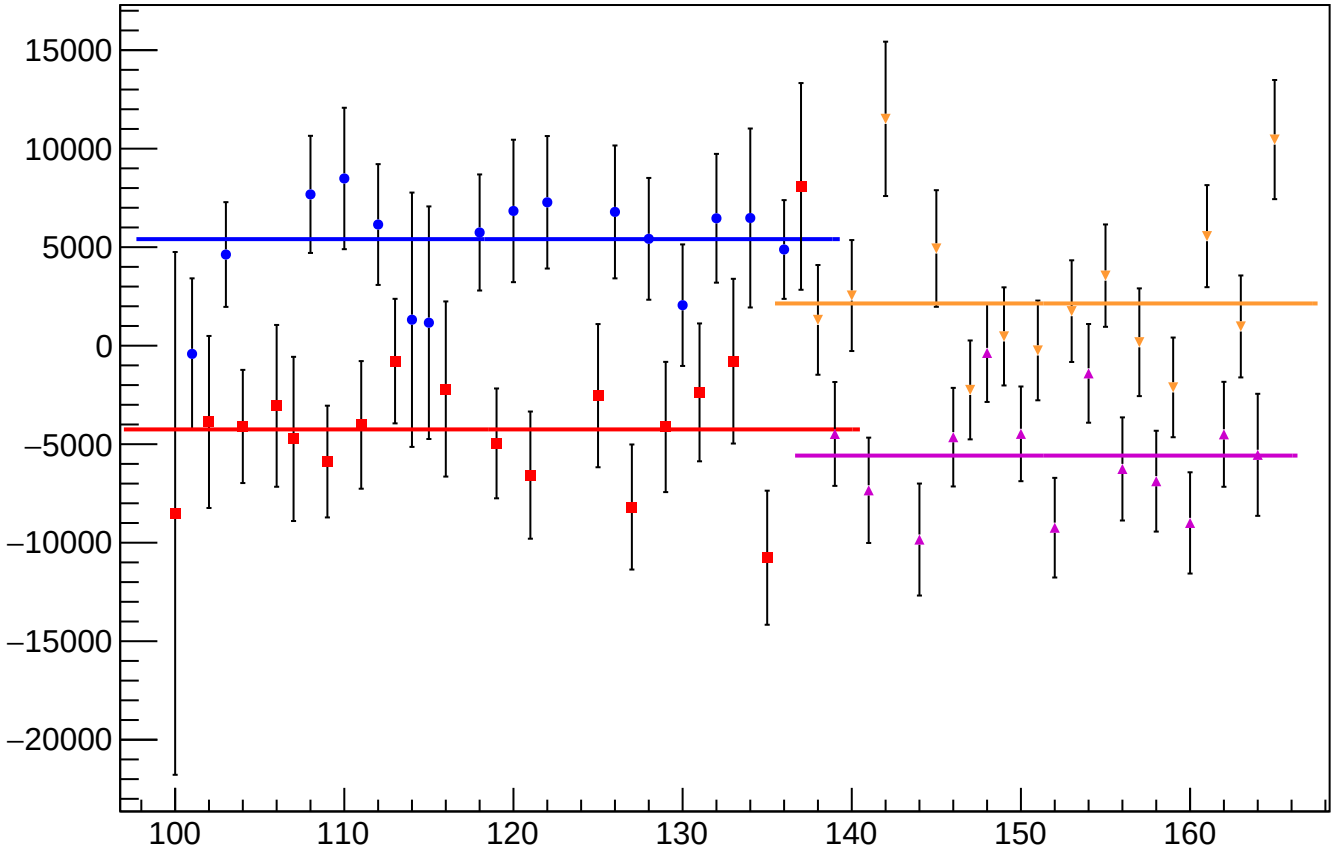
Left In: 10181.076+/-2.215 χ^2/NDF:668529.4/12

+ sign 9333.857+/-1.583 χ^2/NDF: 1338003.5/29

All: 9248.042+/-1.110 χ^2/NDF: 2968633.5/60

- sign 9164.869+/-1.558 χ^2/NDF: 1624841.0/30

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2142.843+/-724.188 χ^2/NDF:24.3/13

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

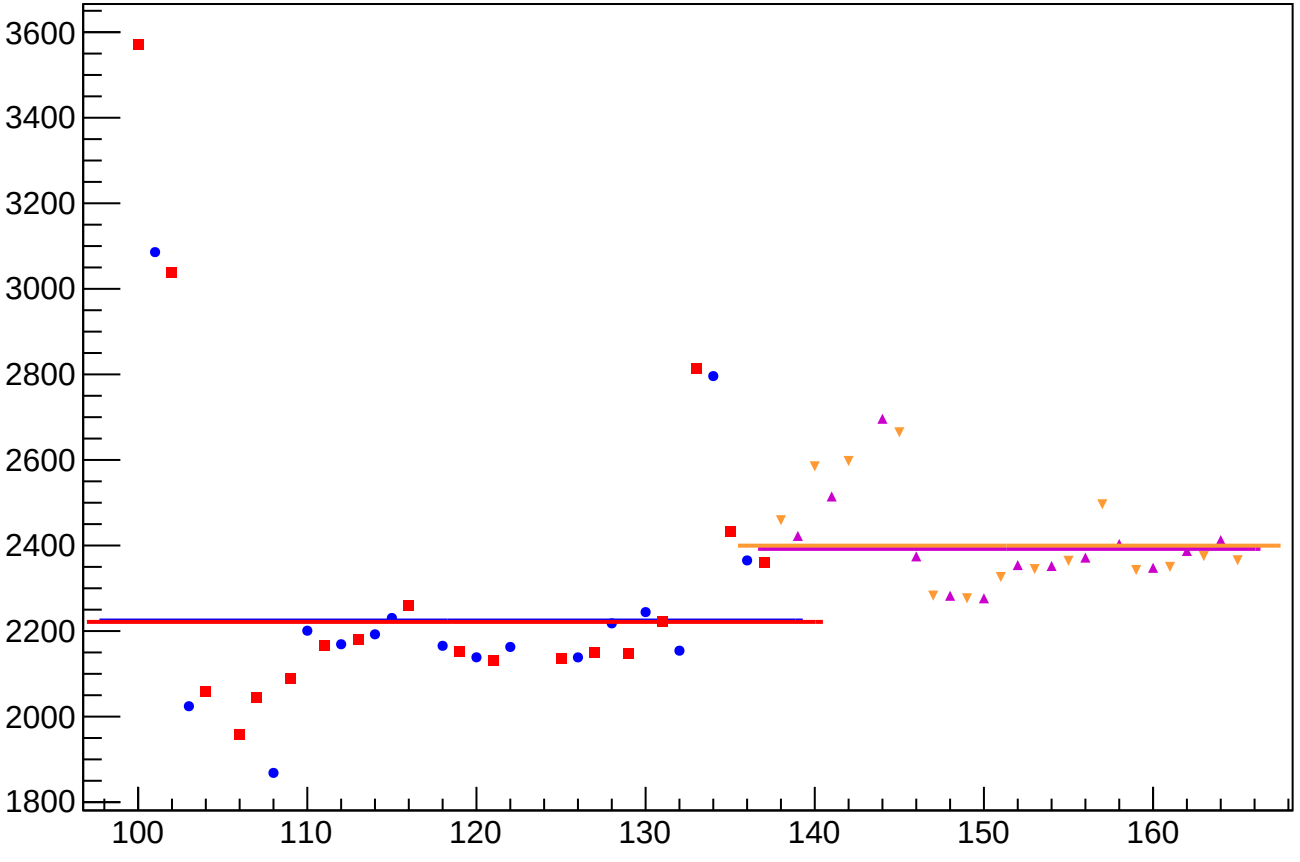
Left In: -5578.482+/-722.992 χ^2/NDF:14.7/12

+ sign 3546.989+/-546.722 χ^2/NDF: 39.8/29

All: -724.476+/-386.967 χ^2/NDF: 192.7/60

- sign -5012.582+/-547.786 χ^2/NDF: 30.6/30

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2399.676+/-0.512 χ^2/NDF:47572.0/13

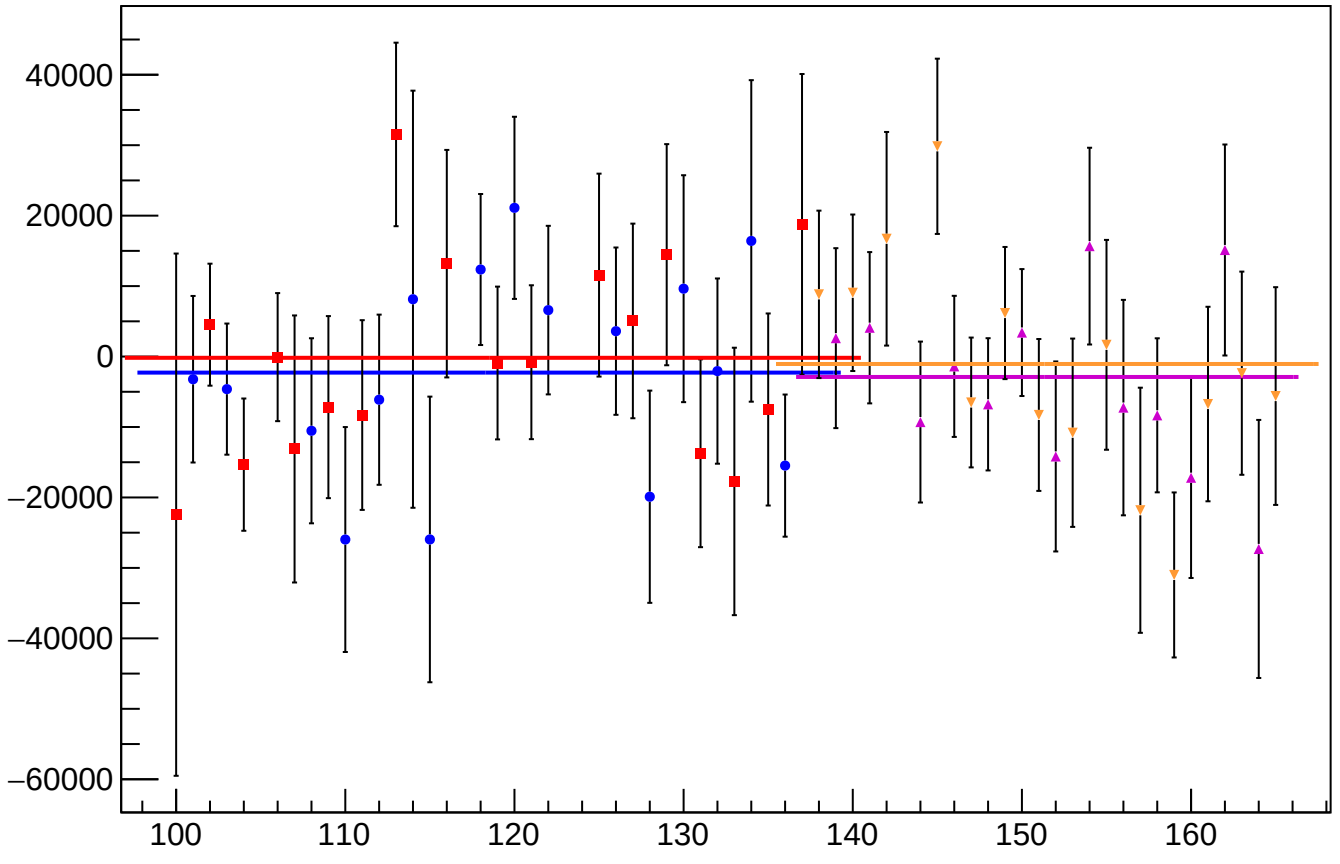
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2392.088+/-0.511 χ^2/NDF:37785.9/12

+ sign 2324.389+/-0.387 χ^2/NDF: 282513.9/29

All: 2321.871+/-0.274 χ^2/NDF: 537829.7/60

- sign 2319.344+/-0.387 χ^2/NDF: 255230.8/30



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -1054.256+/-3284.403 χ^2/NDF:19.3/13

Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

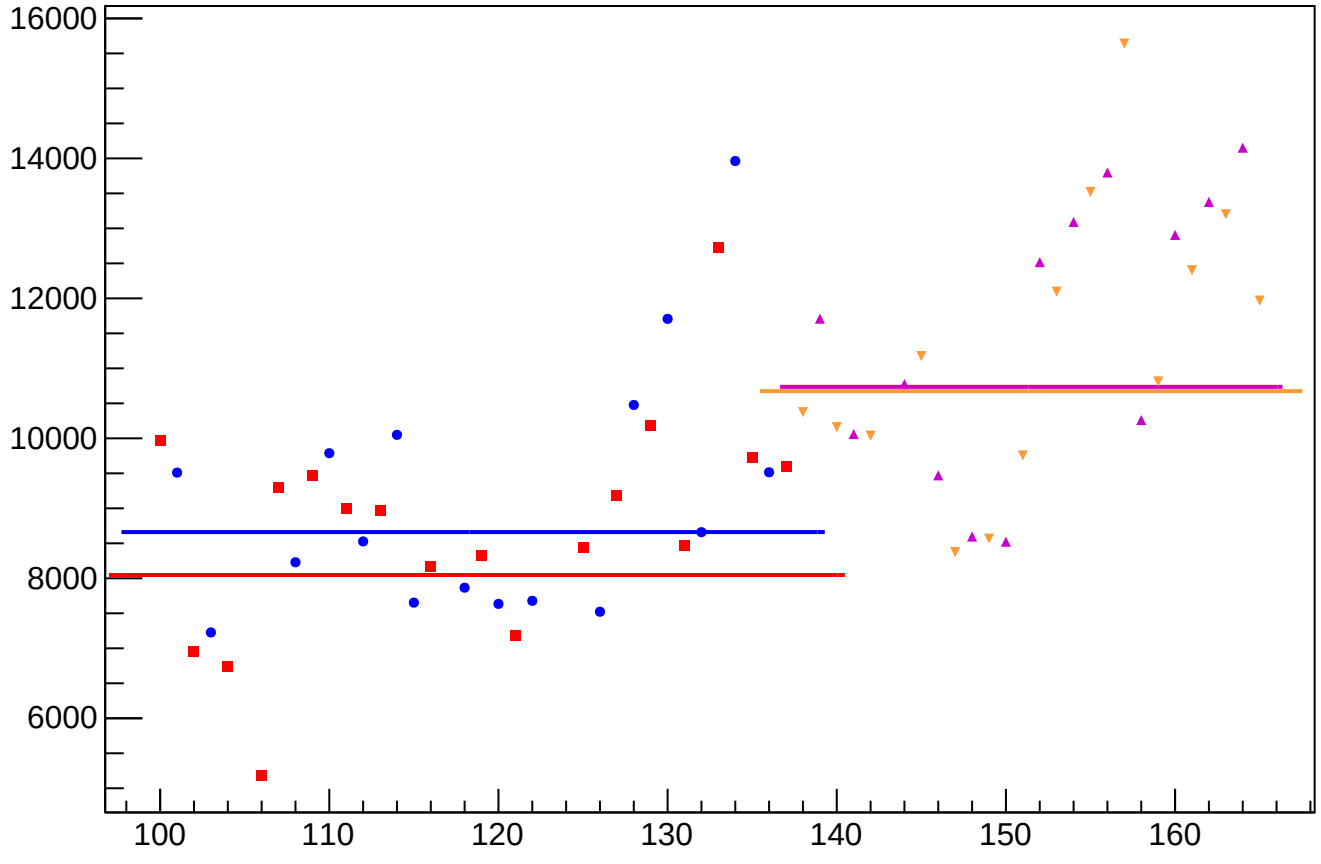
Left In: -2897.368+/-3301.017 χ^2/NDF:8.6/12

+ sign -1668.711+/-2317.937 χ^2/NDF: 33.8/29

All: -1541.522+/-1608.661 χ^2/NDF: 58.5/60

- sign -1423.341+/-2234.345 χ^2/NDF: 24.7/30

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10674.901+/-2.322 χ^2/NDF:618205.2/13

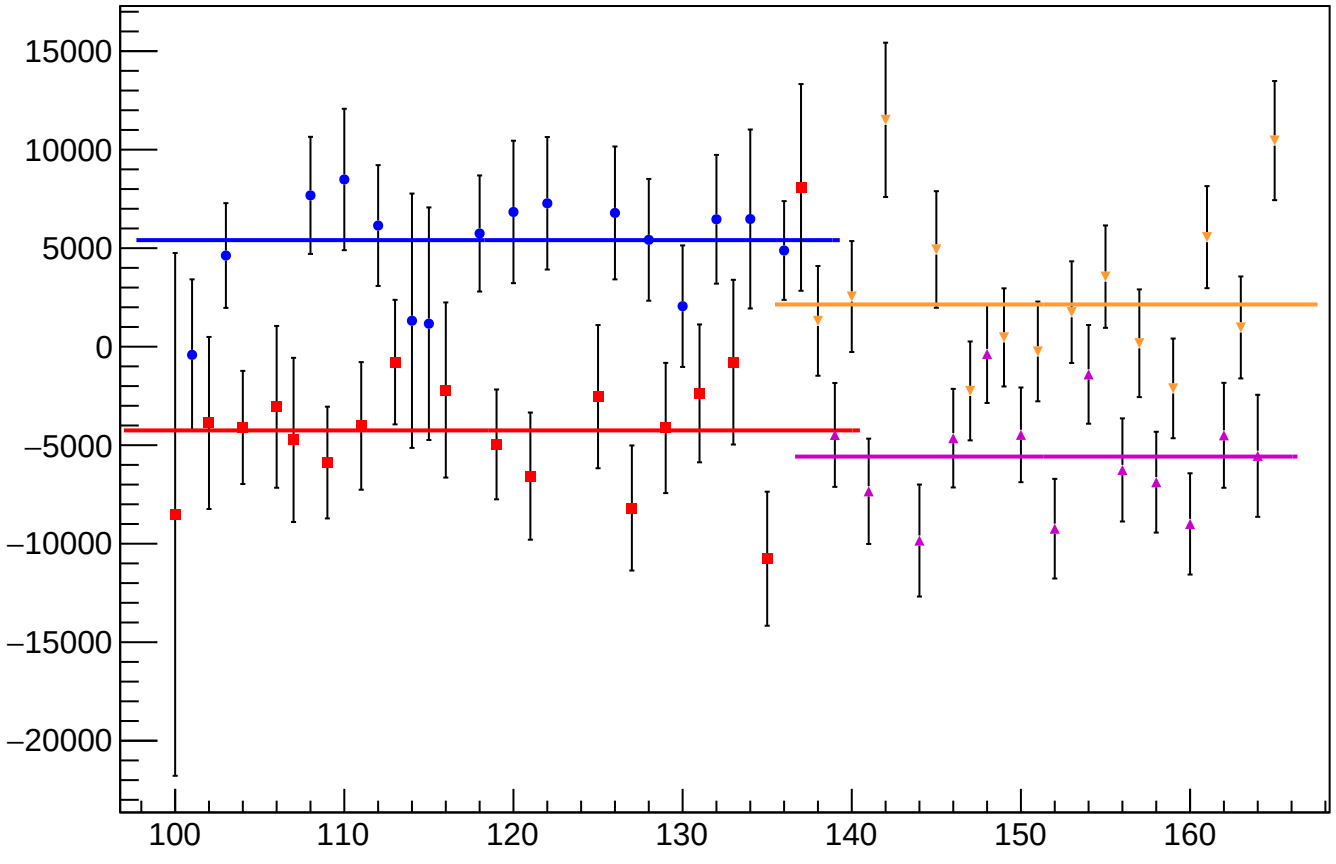
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10735.807+/-2.334 χ^2/NDF:630316.8/12

+ sign 9663.929+/-1.639 χ^2/NDF: 1353697.2/29

All: 9464.460+/-1.137 χ^2/NDF: 3289910.4/60

- sign 9279.118+/-1.580 χ^2/NDF: 1907640.5/30



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2142.822+/-724.189 χ^2/NDF:24.3/13

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

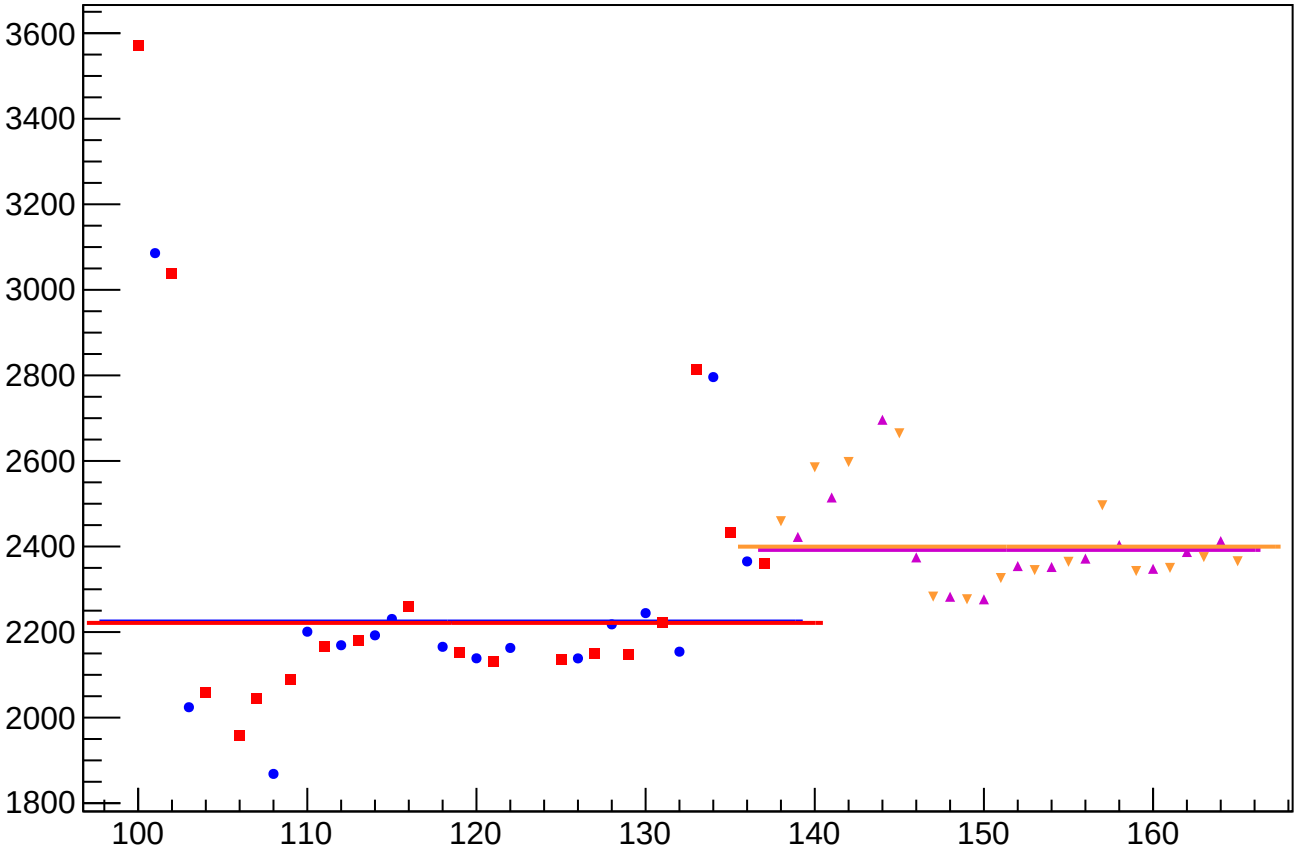
Left In: -5578.486+/-722.993 χ^2/NDF:14.7/12

+ sign 3546.981+/-546.723 χ^2/NDF: 39.8/29

All: -724.482+/-386.967 χ^2/NDF: 192.7/60

- sign -5012.585+/-547.787 χ^2/NDF: 30.6/30

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: 2399.680+/-0.512 χ^2/NDF:47572.5/13

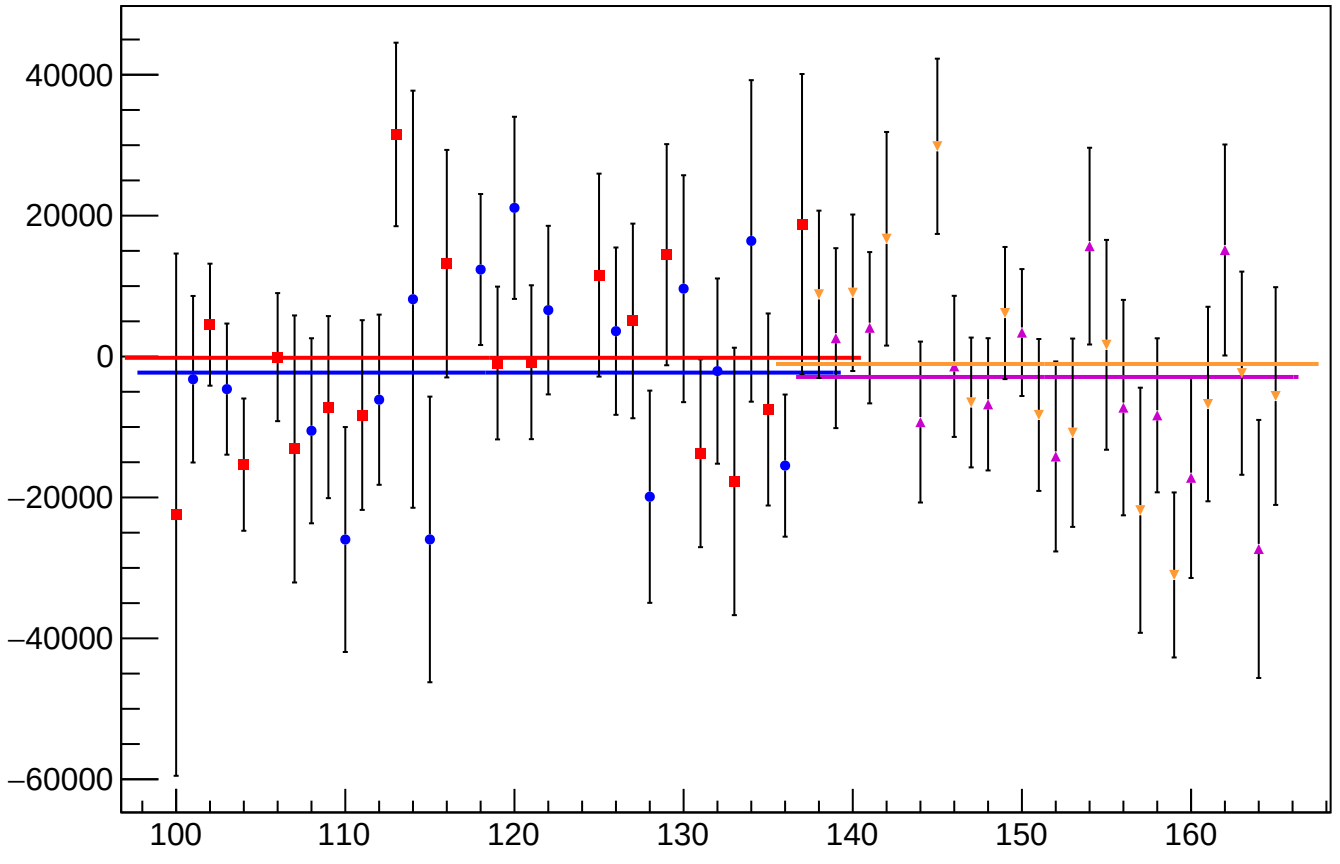
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2392.092+/-0.511 χ^2/NDF:37786.2/12

+ sign 2324.391+/-0.387 χ^2/NDF: 282517.2/29

All: 2321.873+/-0.274 χ^2/NDF: 537835.8/60

- sign 2319.346+/-0.387 χ^2/NDF: 255233.6/30



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -1054.268+/-3284.408 χ^2/NDF:19.3/13

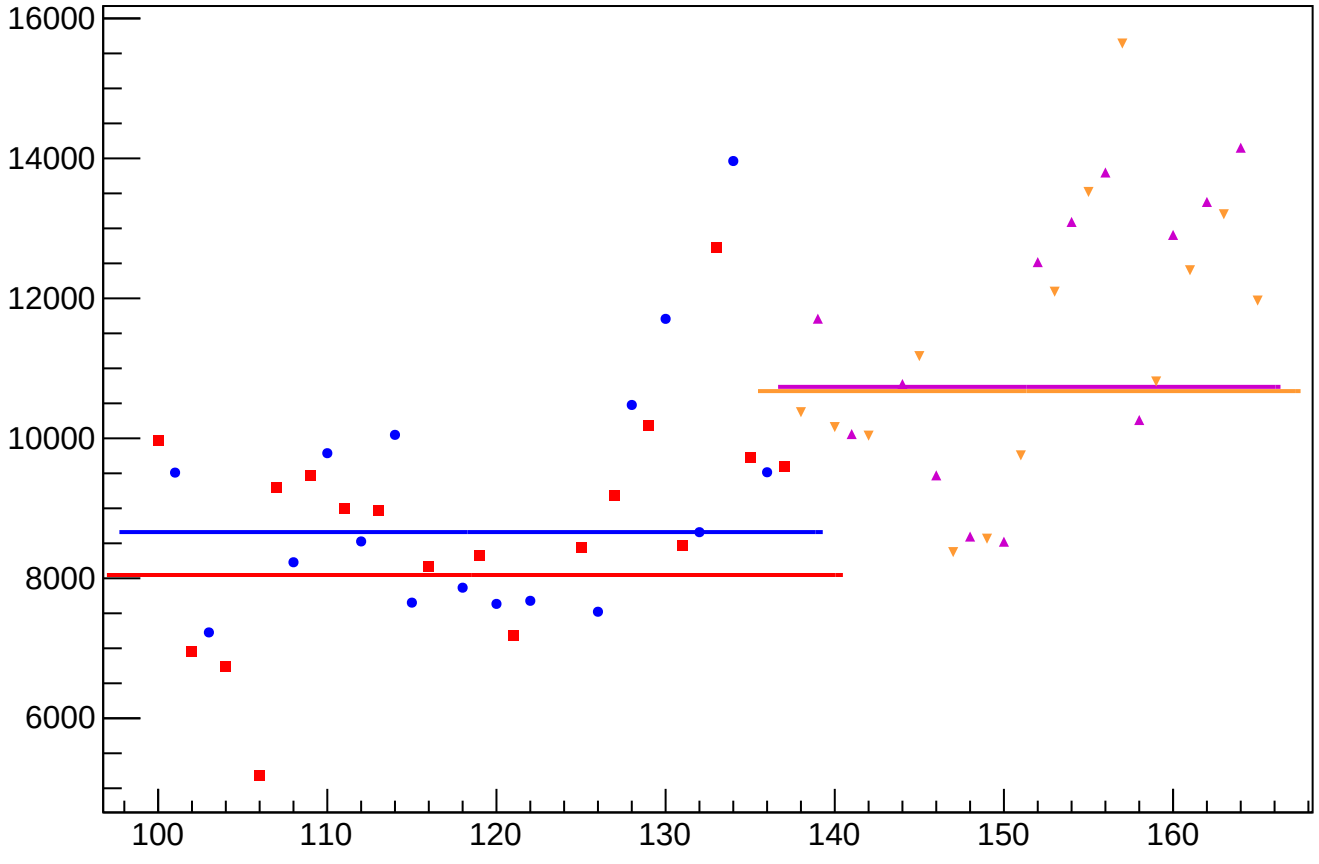
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2897.367+/-3301.022 χ^2/NDF:8.6/12

+ sign -1668.708+/-2317.936 χ^2/NDF: 33.8/29

All: -1541.519+/-1608.660 χ^2/NDF: 58.5/60

- sign -1423.339+/-2234.344 χ^2/NDF: 24.7/30



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10674.916+/-2.322 χ^2/NDF:618207.4/13

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

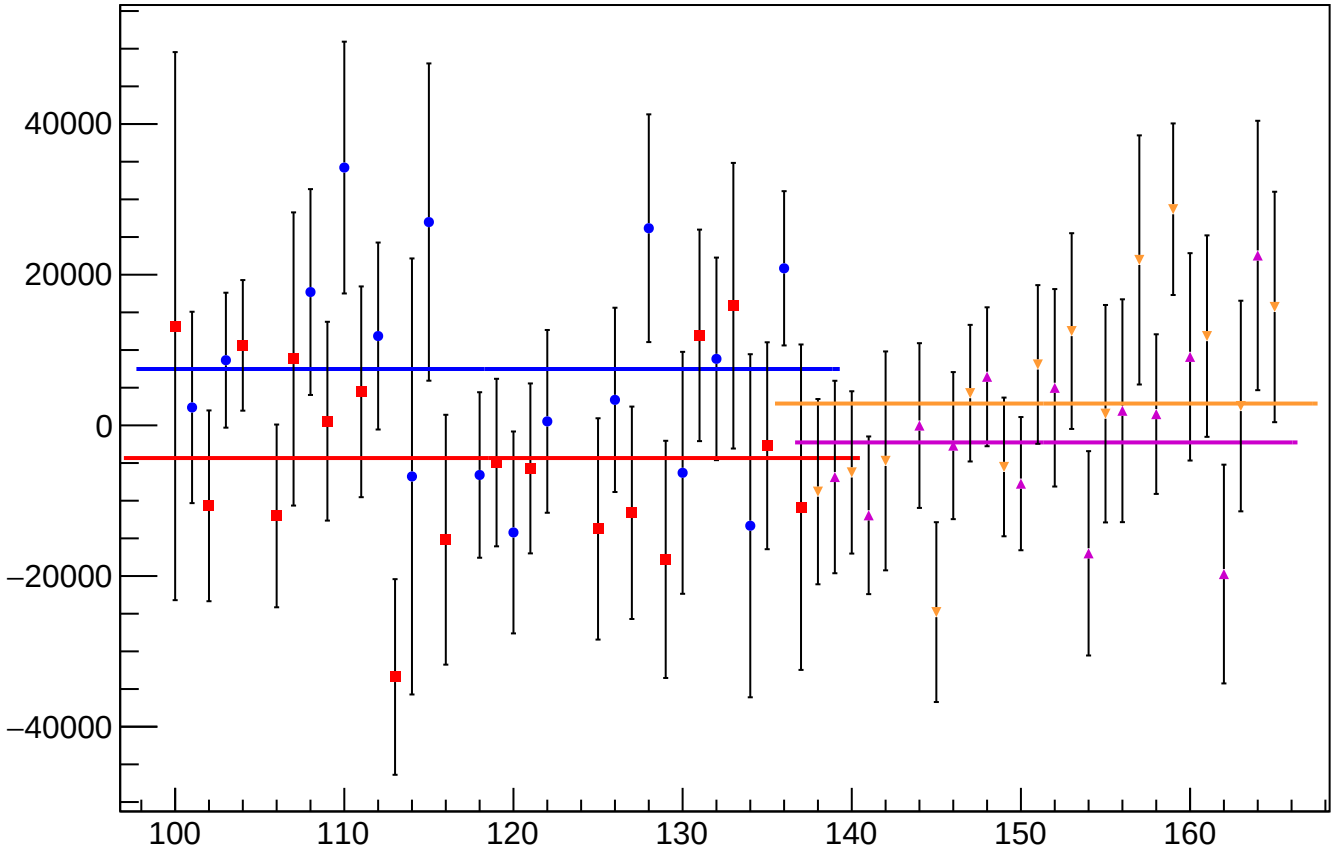
Left In: 10735.822+/-2.334 χ^2/NDF:630318.4/12

+ sign 9663.922+/-1.639 χ^2/NDF: 1353715.8/29

All: 9464.453+/-1.137 χ^2/NDF: 3289947.1/60

- sign 9279.110+/-1.580 χ^2/NDF: 1907658.5/30

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2896.489+/-3210.147 χ^2/NDF:16.5/13

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

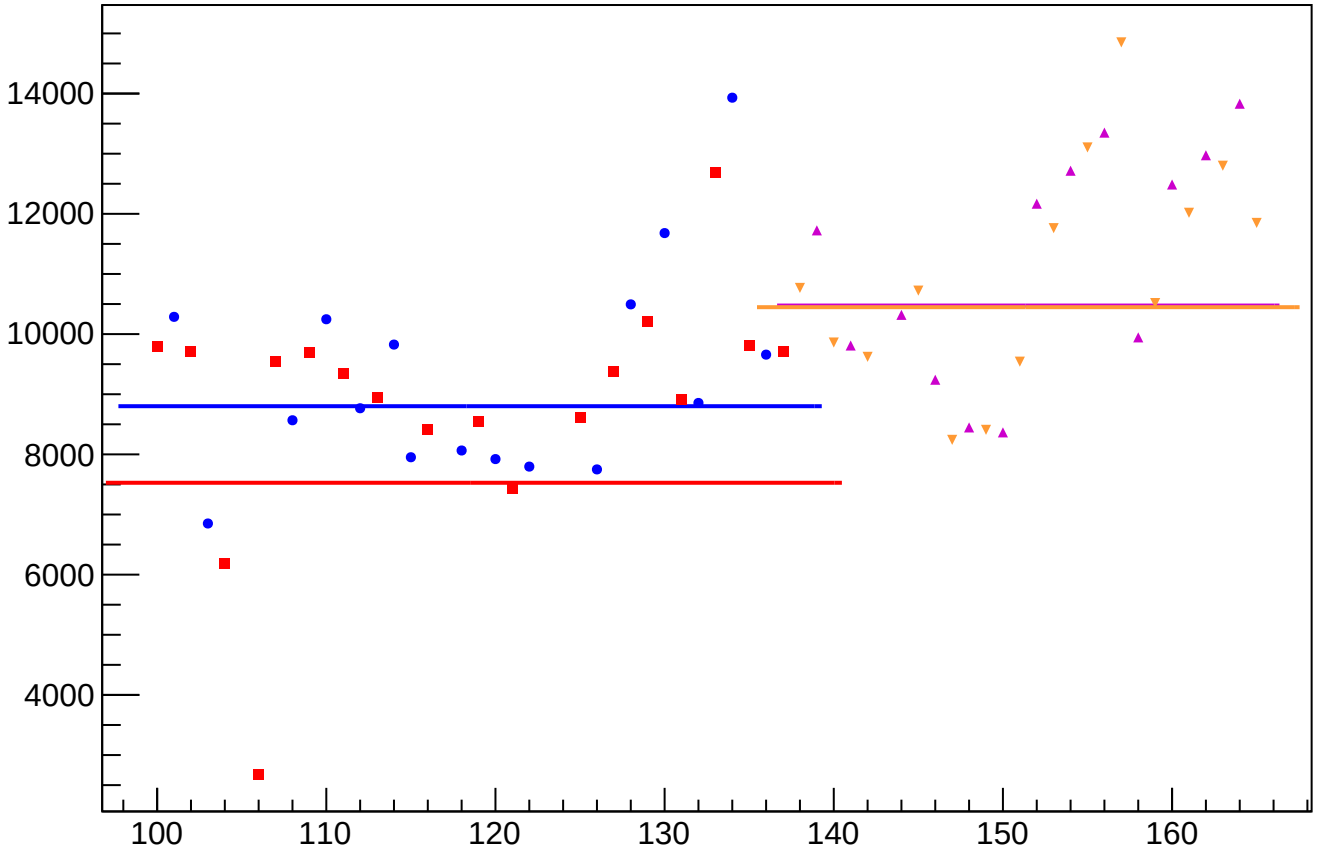
Left In: -2264.507+/-3218.149 χ^2/NDF:8.0/12

+ sign 5104.500+/-2311.433 χ^2/NDF: 31.6/29

All: 855.706+/-1624.708 χ^2/NDF: 60.8/60

- sign -3293.482+/-2284.178 χ^2/NDF: 22.6/30

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10447.436+/-2.270 χ^2/NDF:577349.3/13

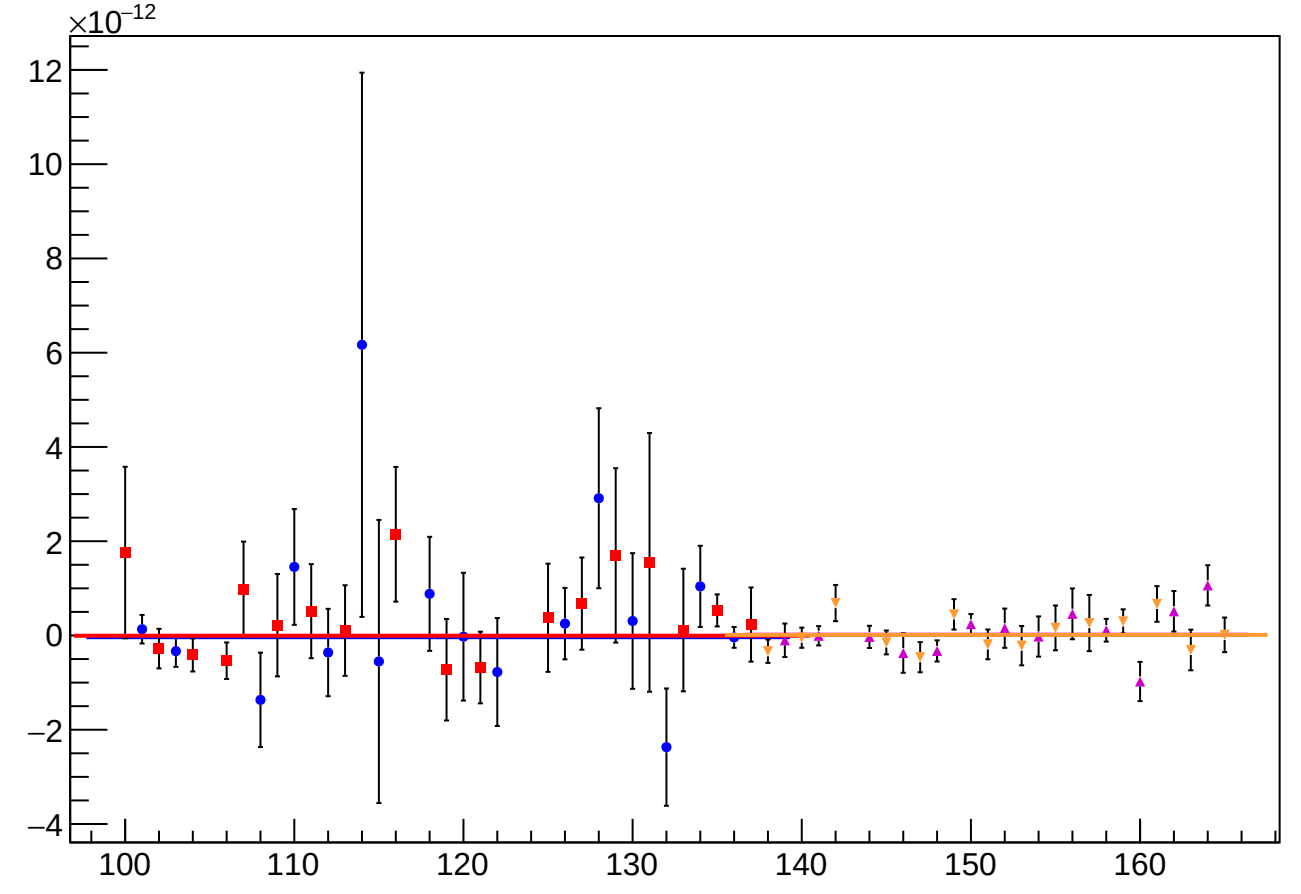
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10474.869+/-2.276 χ^2/NDF:611116.6/12

+ sign 9654.632+/-1.634 χ^2/NDF: 1225245.2/29

All: 9259.918+/-1.126 χ^2/NDF: 4499379.1/60

- sign 8902.906+/-1.554 χ^2/NDF: 3163059.2/30



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/13

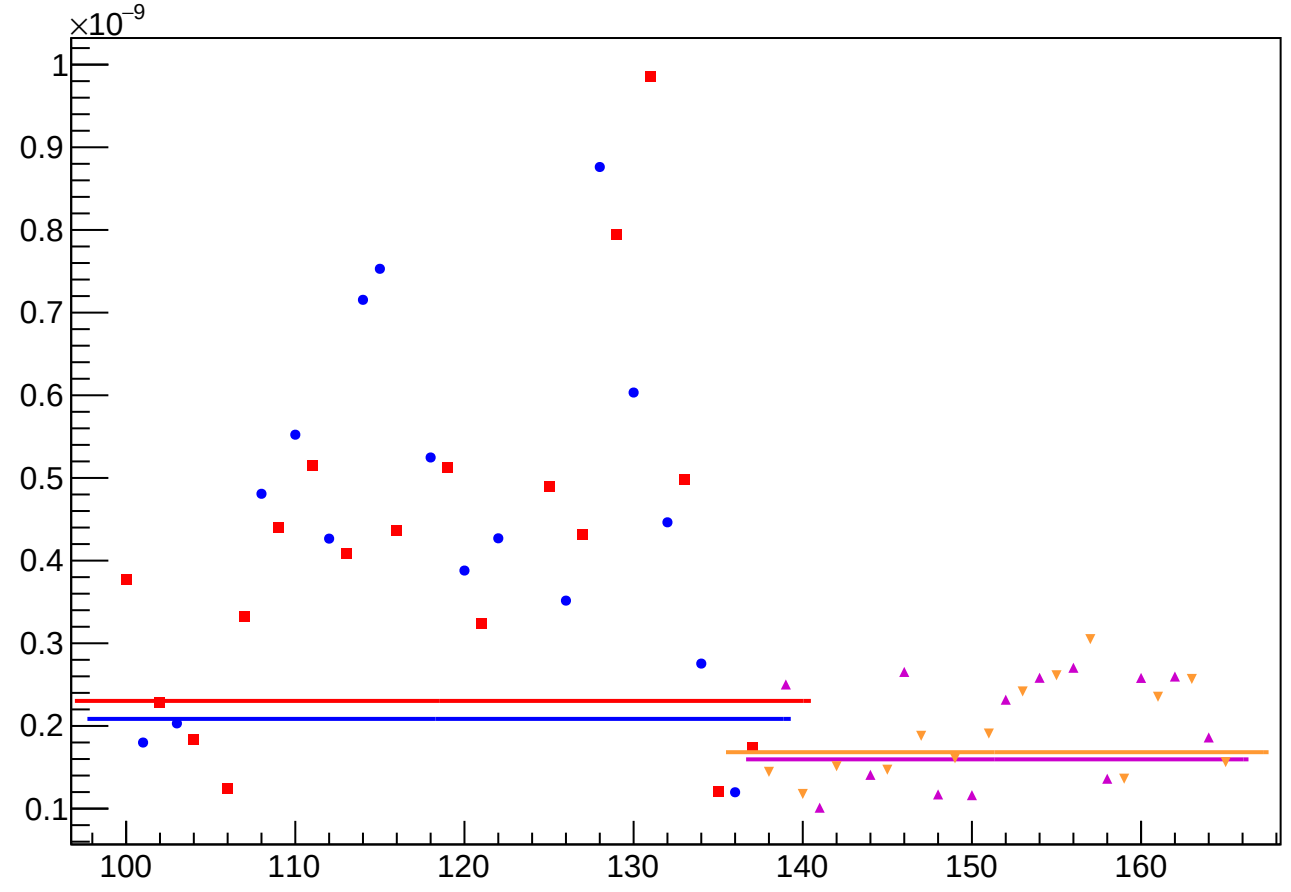
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:18.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/29

All: 0.000+/-0.000 χ^2/NDF: 61.9/60

- sign 0.000+/-0.000 χ^2/NDF: 32.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:591027.8/13

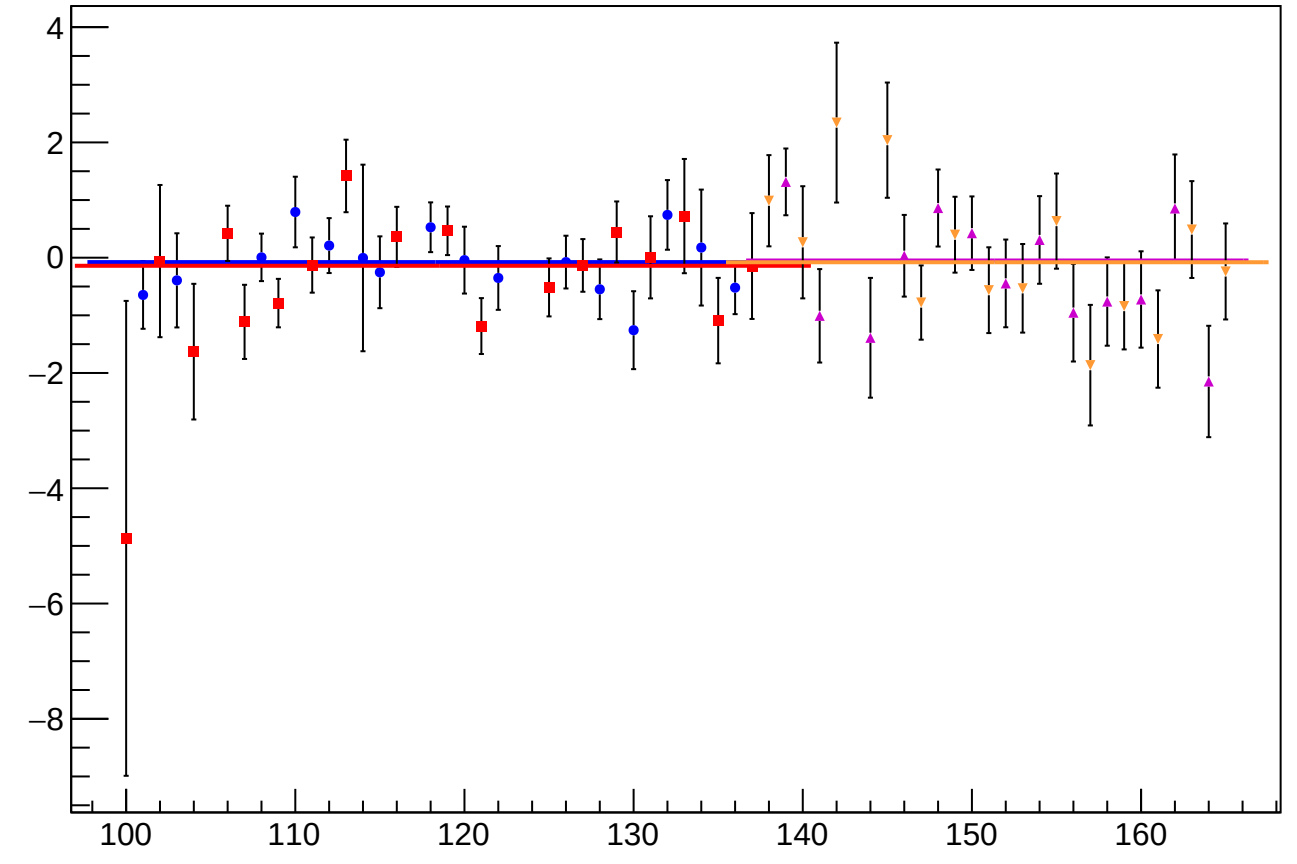
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1084506.9/12

\+ sign 0.000+/-0.000 χ^2/NDF: 2341986.0/29

All: 0.000+/-0.000 χ^2/NDF: 5309722.8/60

\- sign 0.000+/-0.000 χ^2/NDF: 2964919.6/30



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.079+/-0.219 χ^2/NDF:19.6/13

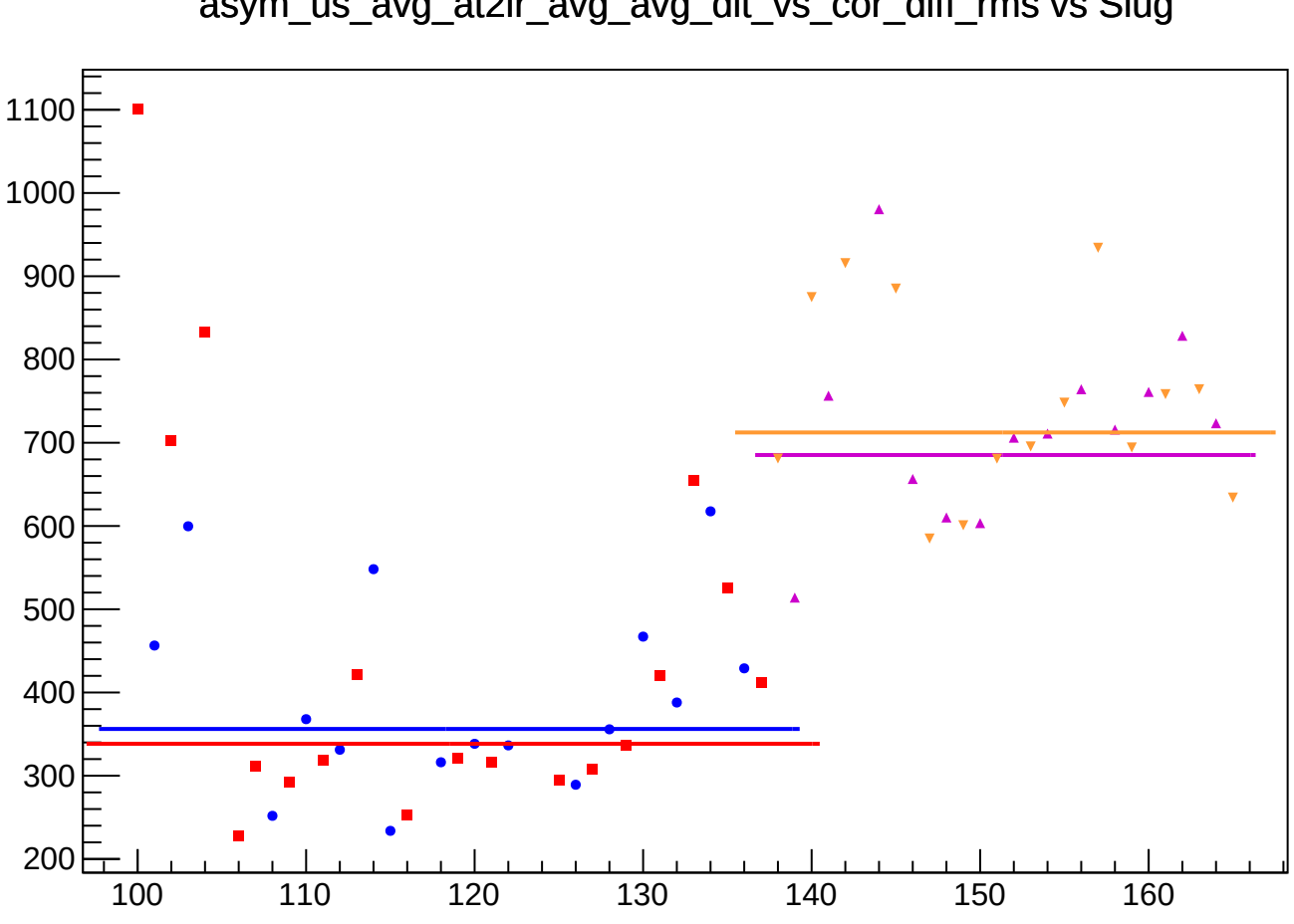
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

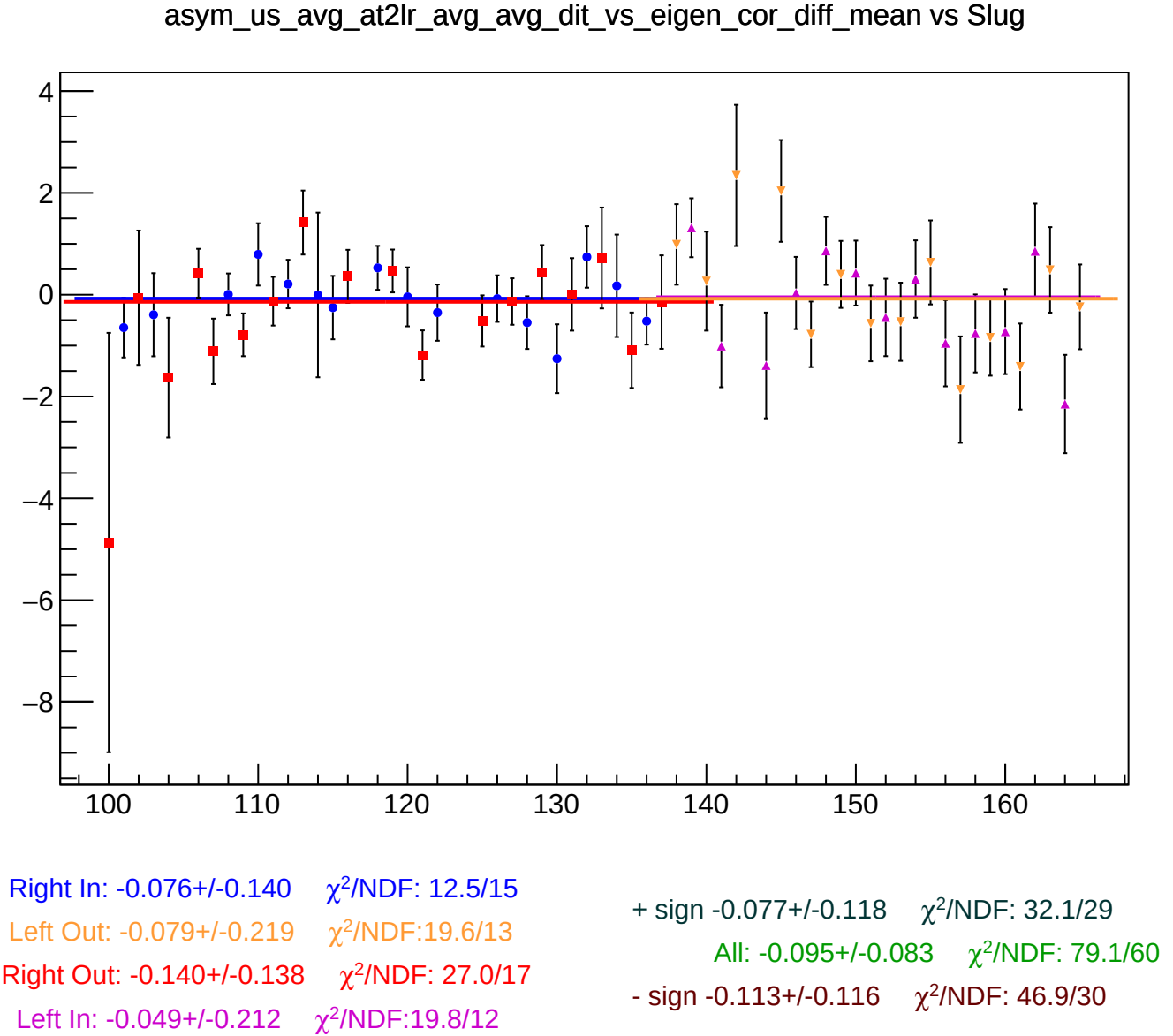
Left In: -0.049+/-0.212 χ^2/NDF:19.8/12

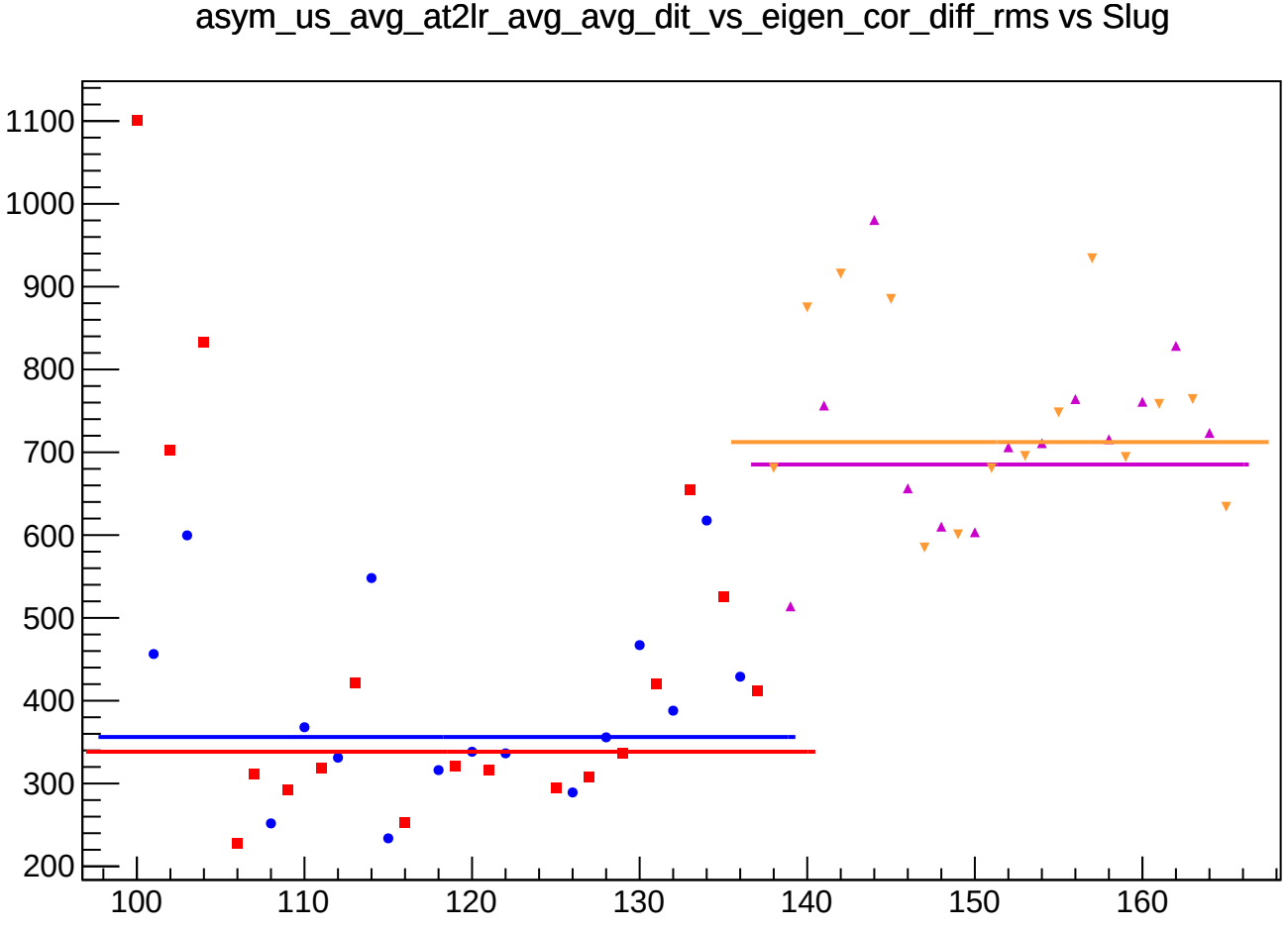
+ sign -0.077+/-0.118 χ^2/NDF: 32.1/29

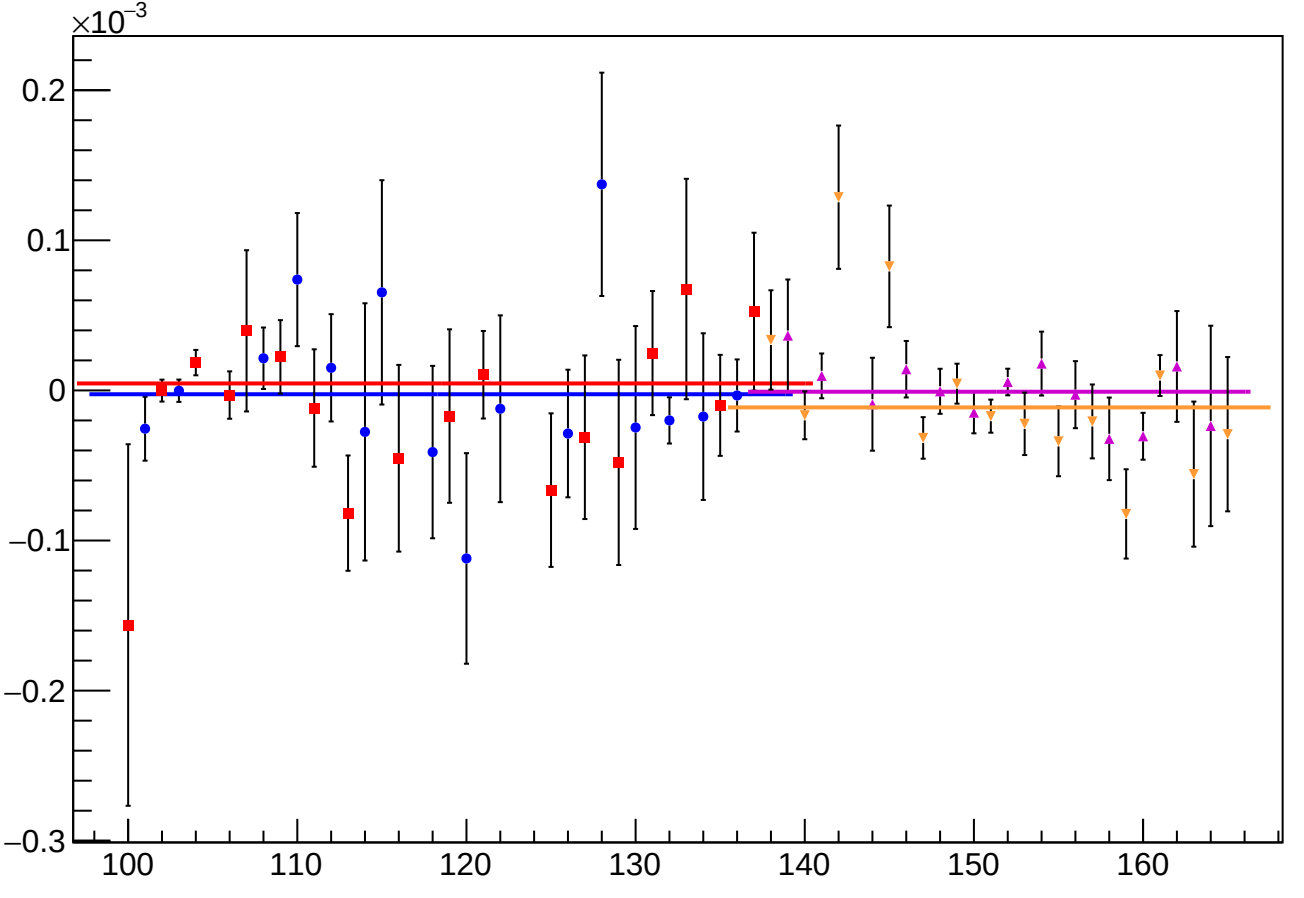
All: -0.095+/-0.083 χ^2/NDF: 79.1/60

- sign -0.113+/-0.116 χ^2/NDF: 46.9/30


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 712.337+/-0.155 χ²/NDF:427944.9/13
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 685.271+/-0.150 χ²/NDF:503933.4/12
+ sign 459.240+/-0.083 χ²/NDF: 4963381.6/29
All: 450.355+/-0.058 χ²/NDF: 10461373.8/60
- sign 441.821+/-0.082 χ²/NDF: 5475738.4/30


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.079+/-0.219 χ²/NDF:19.6/13
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: -0.049+/-0.212 χ²/NDF:19.8/12
+ sign -0.077+/-0.118 χ²/NDF: 32.1/29
All: -0.095+/-0.083 χ²/NDF: 79.1/60
- sign -0.113+/-0.116 χ²/NDF: 46.9/30


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 712.337+/-0.155 χ²/NDF:427944.9/13
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 685.271+/-0.150 χ²/NDF:503933.4/12
+ sign 459.240+/-0.083 χ²/NDF: 4963381.6/29
All: 450.355+/-0.058 χ²/NDF: 10461373.8/60
- sign 441.821+/-0.082 χ²/NDF: 5475738.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/13

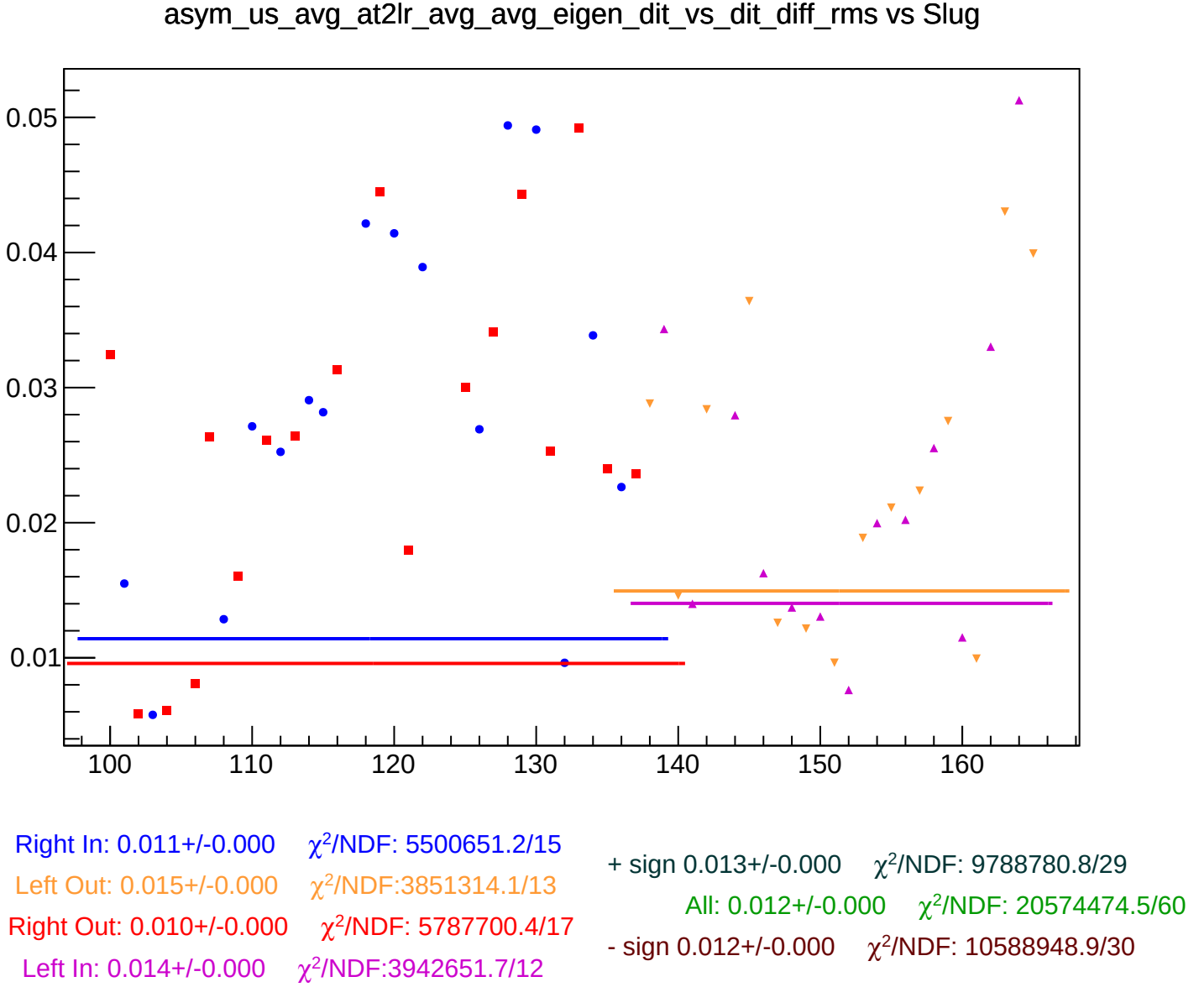
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

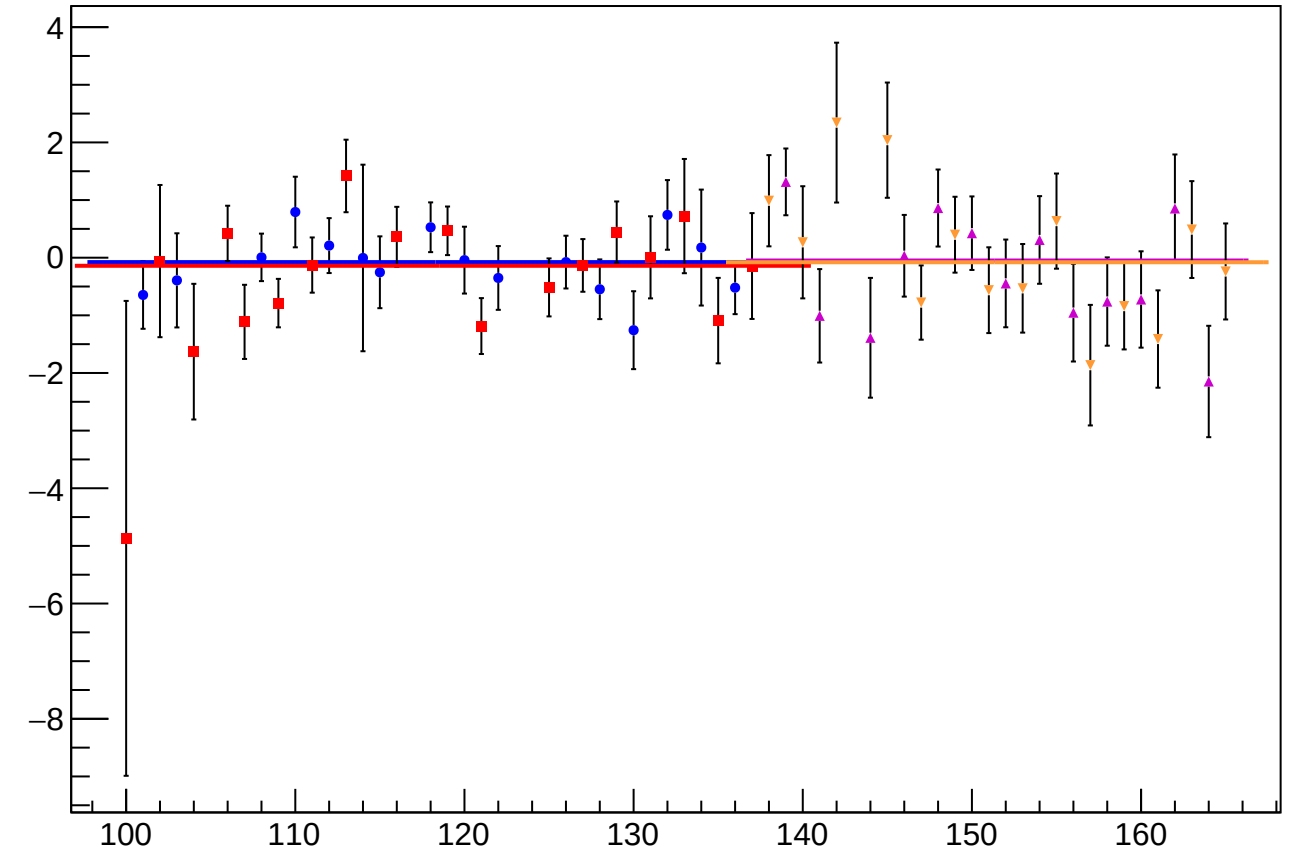
Left In: -0.000+/-0.000 χ^2/NDF:9.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/29

All: -0.000+/-0.000 χ^2/NDF: 77.5/60

- sign 0.000+/-0.000 χ^2/NDF: 27.5/30


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.015+/-0.000 χ²/NDF:3851314.1/13
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.014+/-0.000 χ²/NDF:3942651.7/12
+ sign 0.013+/-0.000 χ²/NDF: 9788780.8/29
All: 0.012+/-0.000 χ²/NDF: 20574474.5/60
- sign 0.012+/-0.000 χ²/NDF: 10588948.9/30



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.079+/-0.219 χ^2/NDF:19.6/13

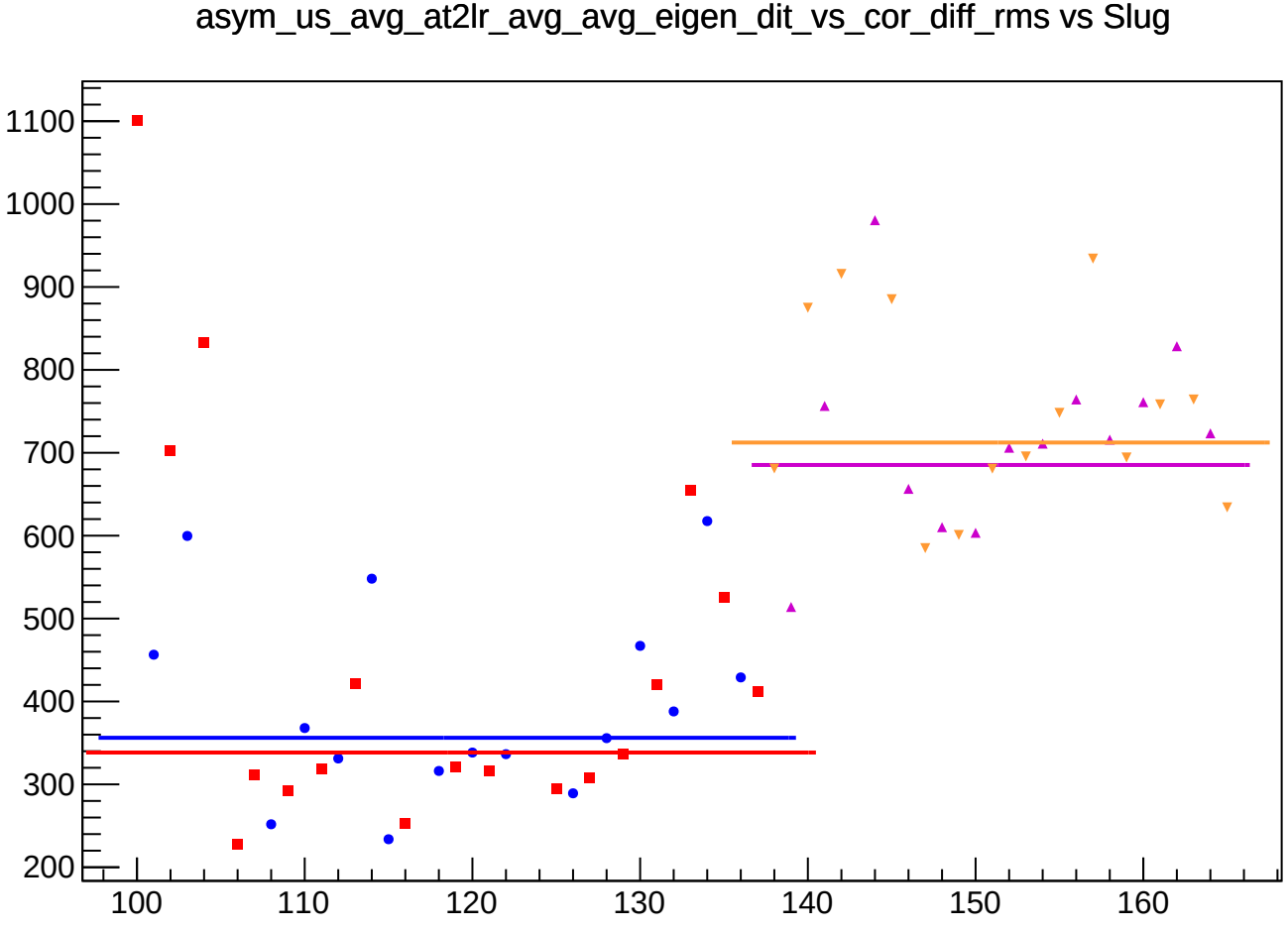
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.049+/-0.212 χ^2/NDF:19.8/12

+ sign -0.077+/-0.118 χ^2/NDF: 32.1/29

All: -0.095+/-0.083 χ^2/NDF: 79.1/60

- sign -0.113+/-0.116 χ^2/NDF: 46.9/30



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.349+/-0.155 χ^2/NDF:427954.3/13

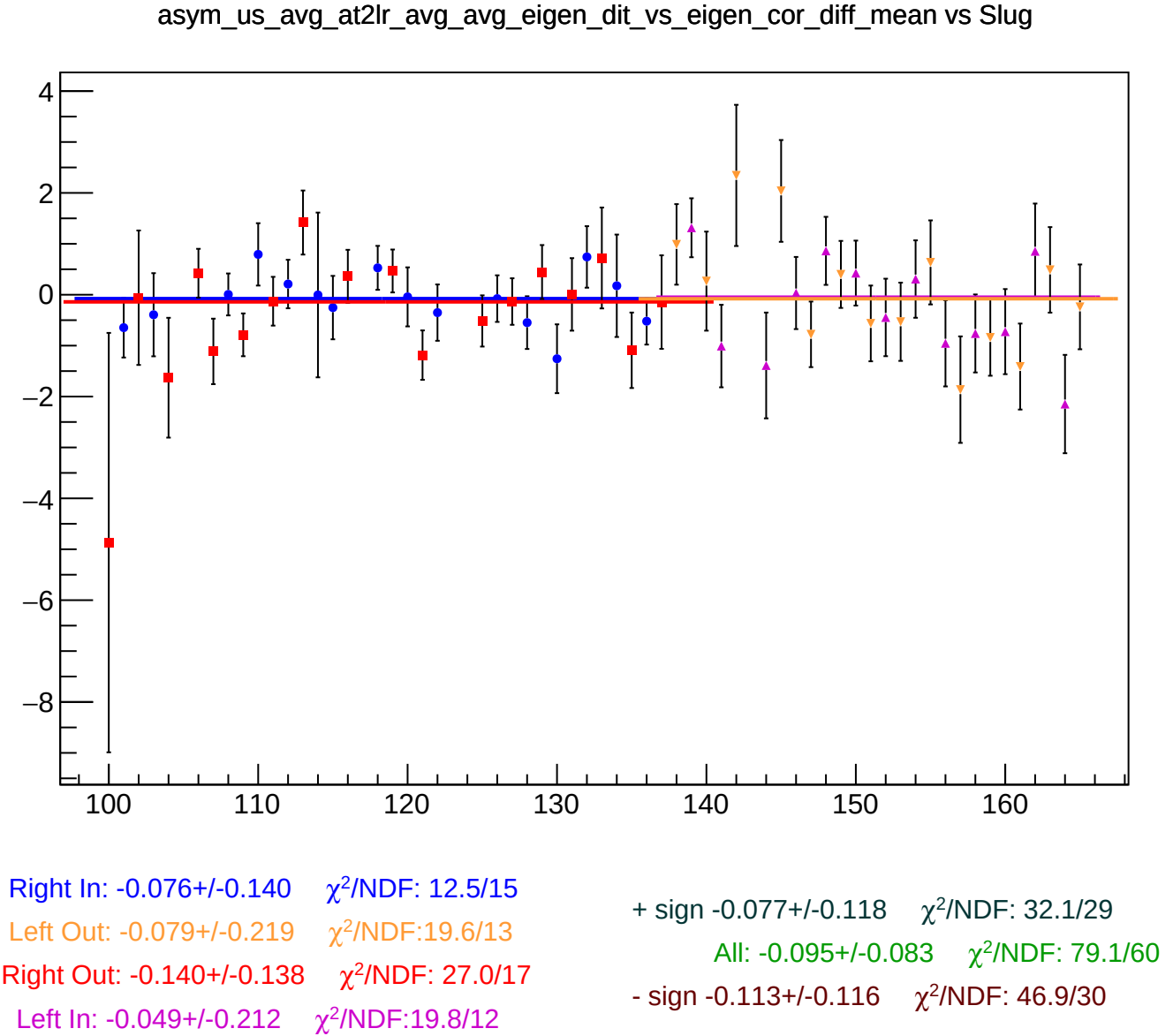
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

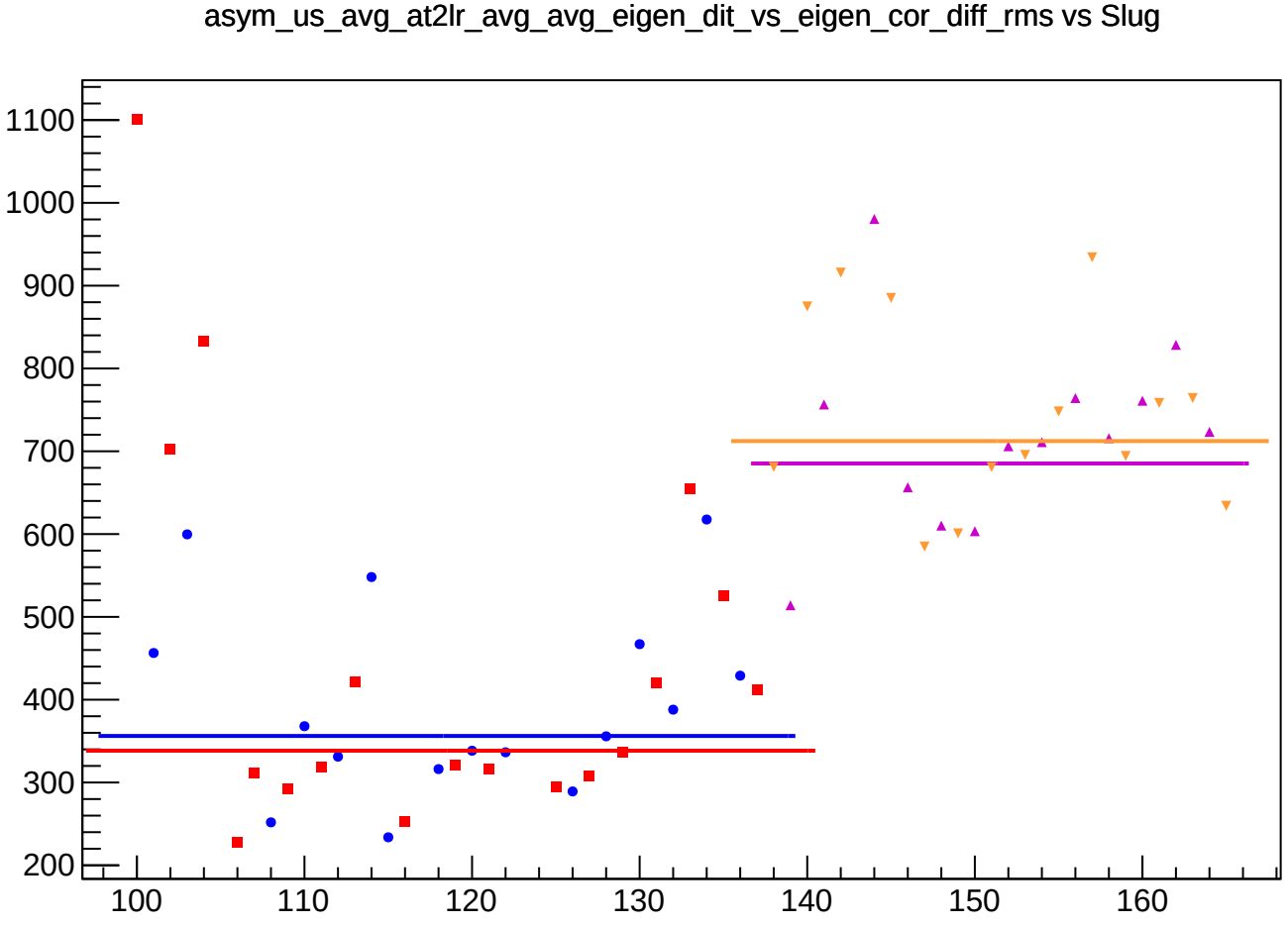
Left In: 685.282+/-0.150 χ^2/NDF:503930.5/12

+ sign 459.239+/-0.083 χ^2/NDF: 4963552.6/29

All: 450.354+/-0.058 χ^2/NDF: 10461740.6/60

- sign 441.819+/-0.082 χ^2/NDF: 5475932.4/30


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.079+/-0.219 χ²/NDF:19.6/13
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: -0.049+/-0.212 χ²/NDF:19.8/12
+ sign -0.077+/-0.118 χ²/NDF: 32.1/29
All: -0.095+/-0.083 χ²/NDF: 79.1/60
- sign -0.113+/-0.116 χ²/NDF: 46.9/30



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.349+/-0.155 χ^2/NDF:427954.3/13

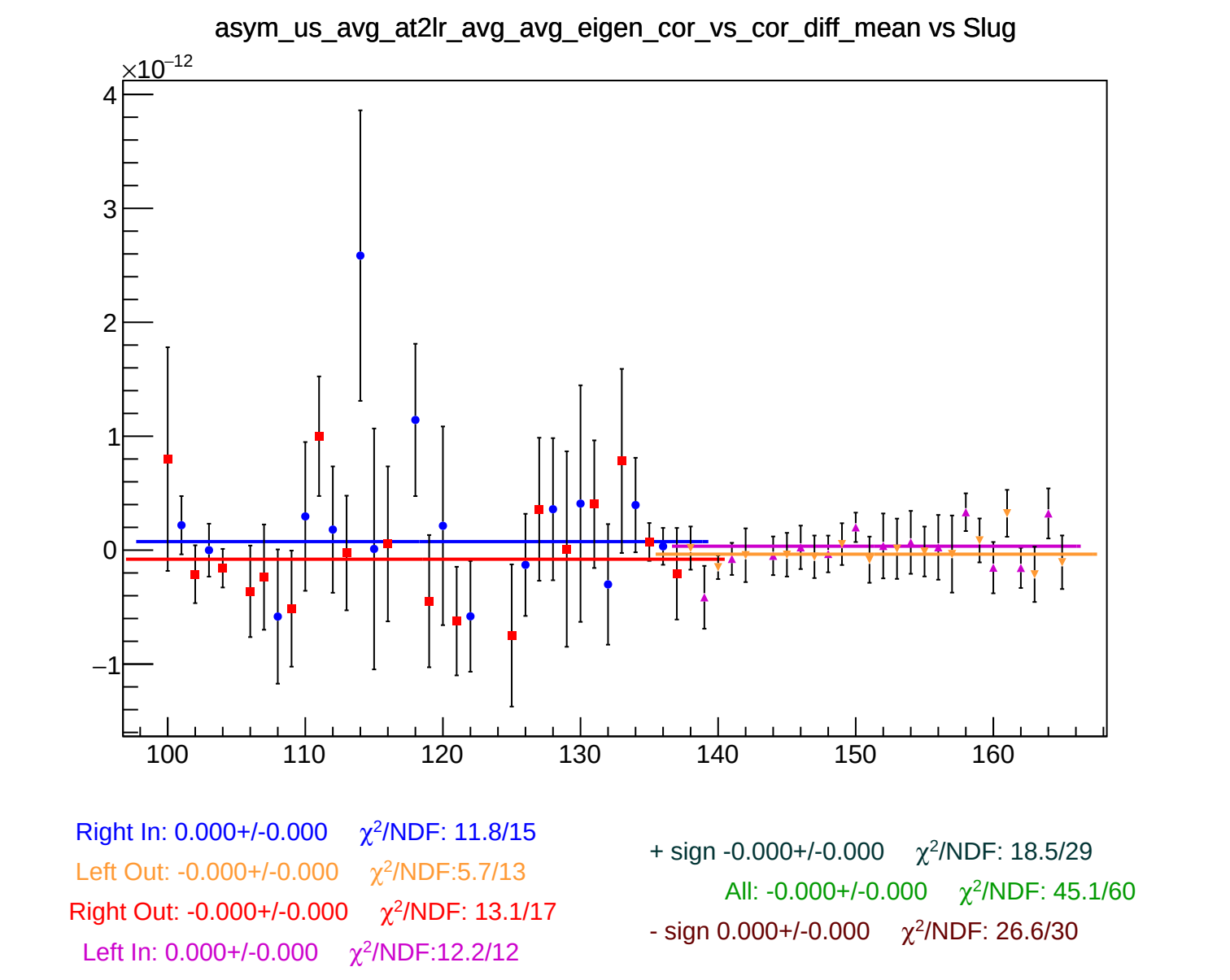
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

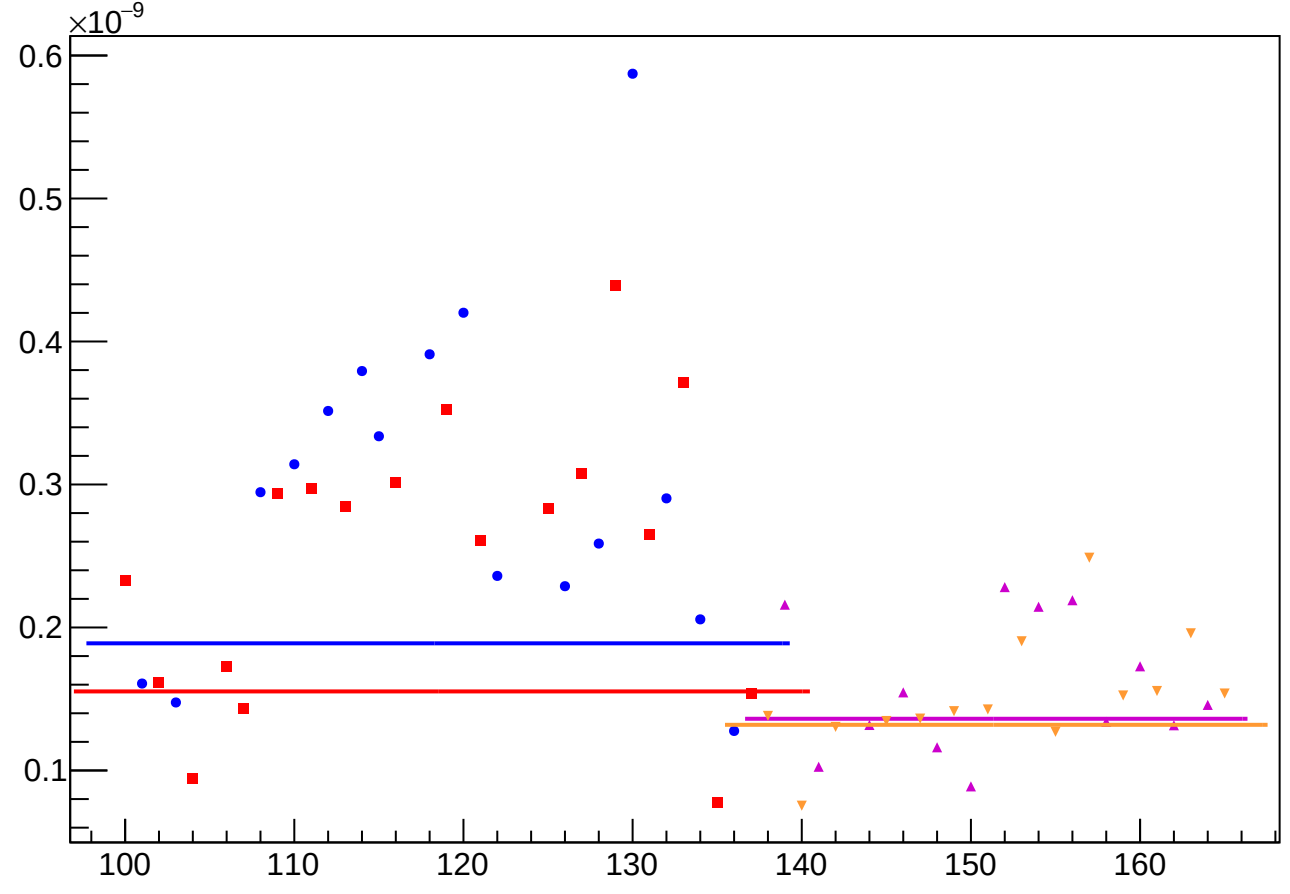
Left In: 685.282+/-0.150 χ^2/NDF:503930.5/12

+ sign 459.239+/-0.083 χ^2/NDF: 4963552.6/29

All: 450.354+/-0.058 χ^2/NDF: 10461740.6/60

- sign 441.819+/-0.082 χ^2/NDF: 5475932.4/30


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:5.7/13
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:12.2/12
+ sign -0.000+/-0.000 χ²/NDF: 18.5/29
All: -0.000+/-0.000 χ²/NDF: 45.1/60
- sign 0.000+/-0.000 χ²/NDF: 26.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1150365.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

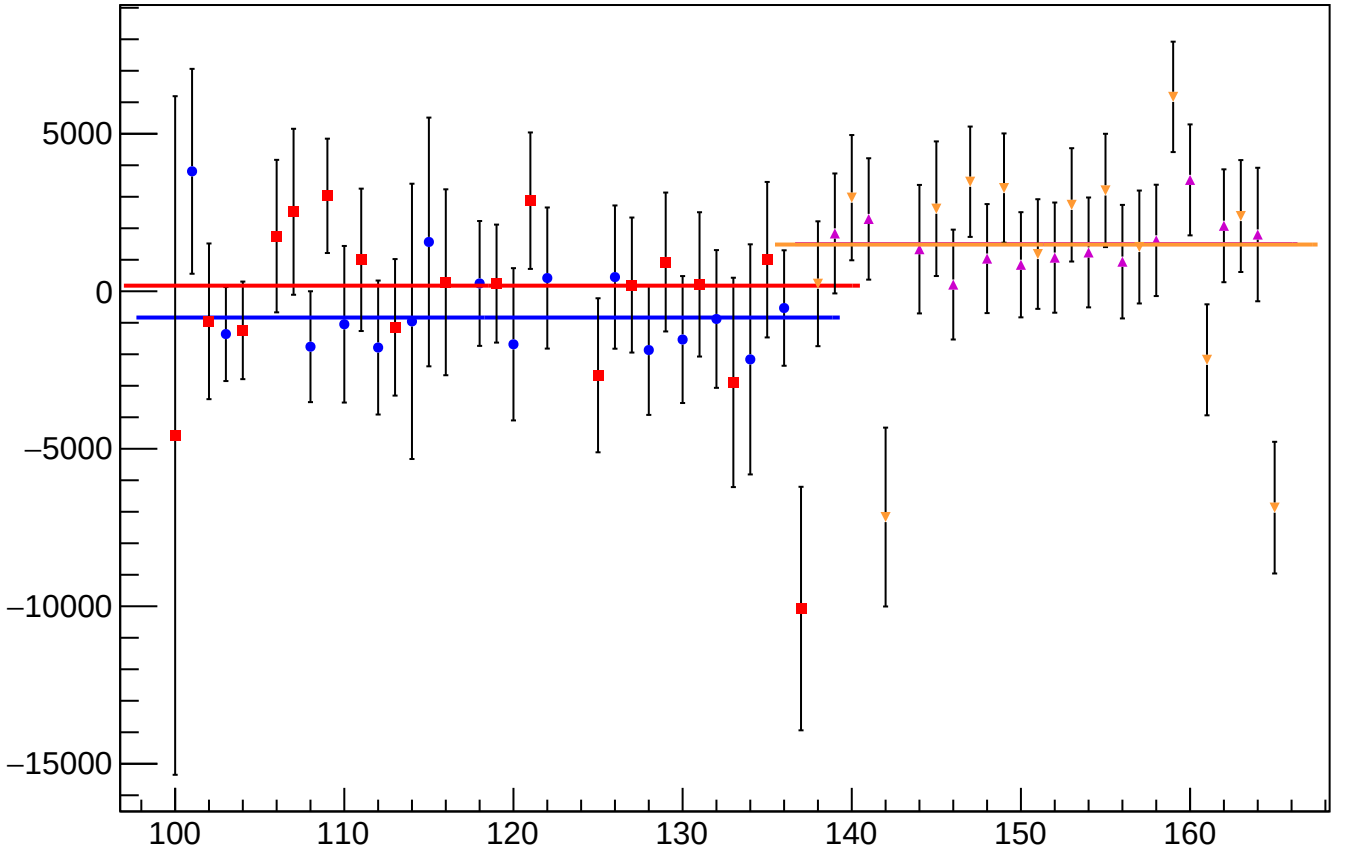
Left In: 0.000+/-0.000 χ^2/NDF:1199077.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3215271.3/29

All: 0.000+/-0.000 χ^2/NDF: 6693477.8/60

- sign 0.000+/-0.000 χ^2/NDF: 3472952.4/30

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1483.808+/-502.399 χ^2/NDF:42.0/13

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

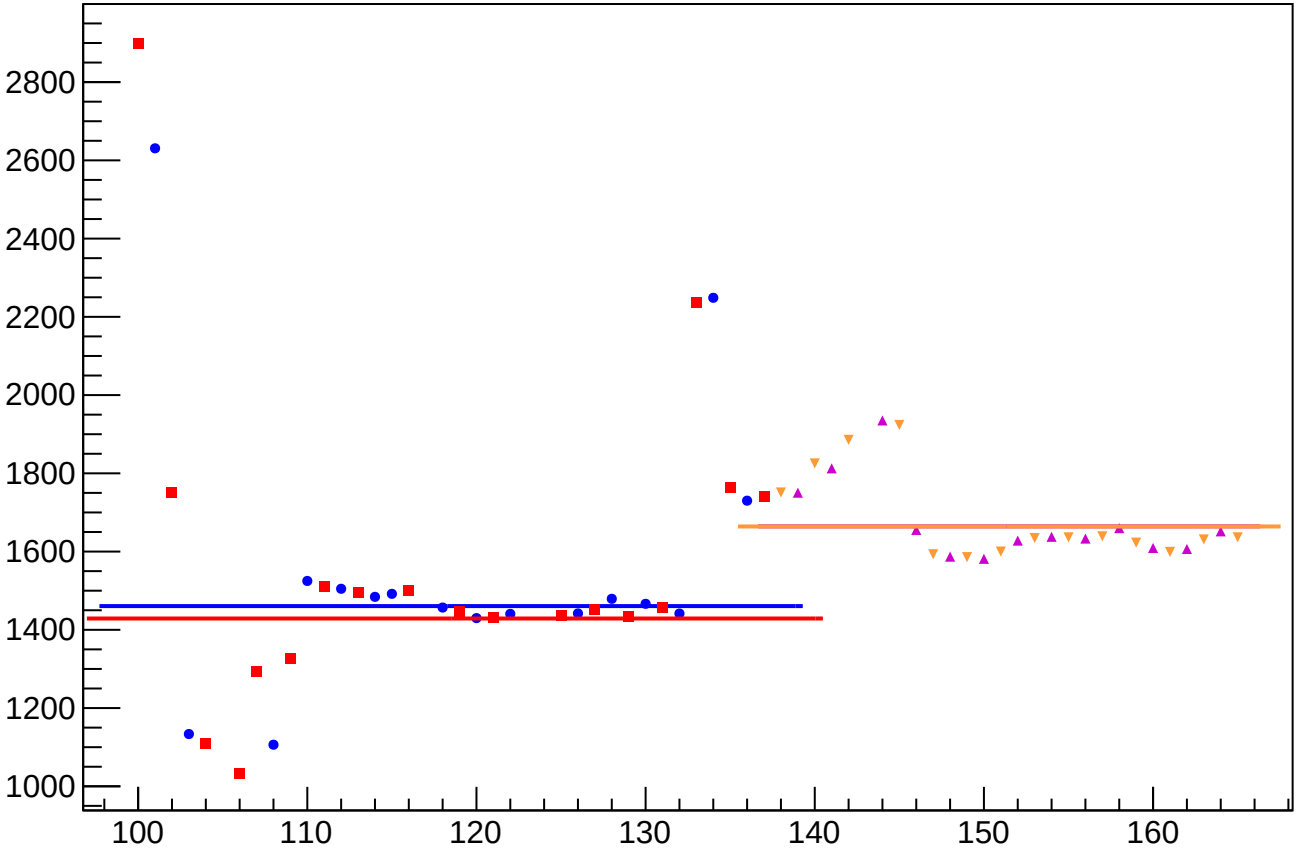
Left In: 1498.328+/-503.322 χ^2/NDF:2.6/12

\+ sign 439.809+/-372.411 χ^2/NDF: 56.2/29

All: 668.037+/-262.705 χ^2/NDF: 79.2/60

\- sign 894.096+/-370.638 χ^2/NDF: 22.2/30

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1664.175+/-0.355 χ^2/NDF:75034.6/13

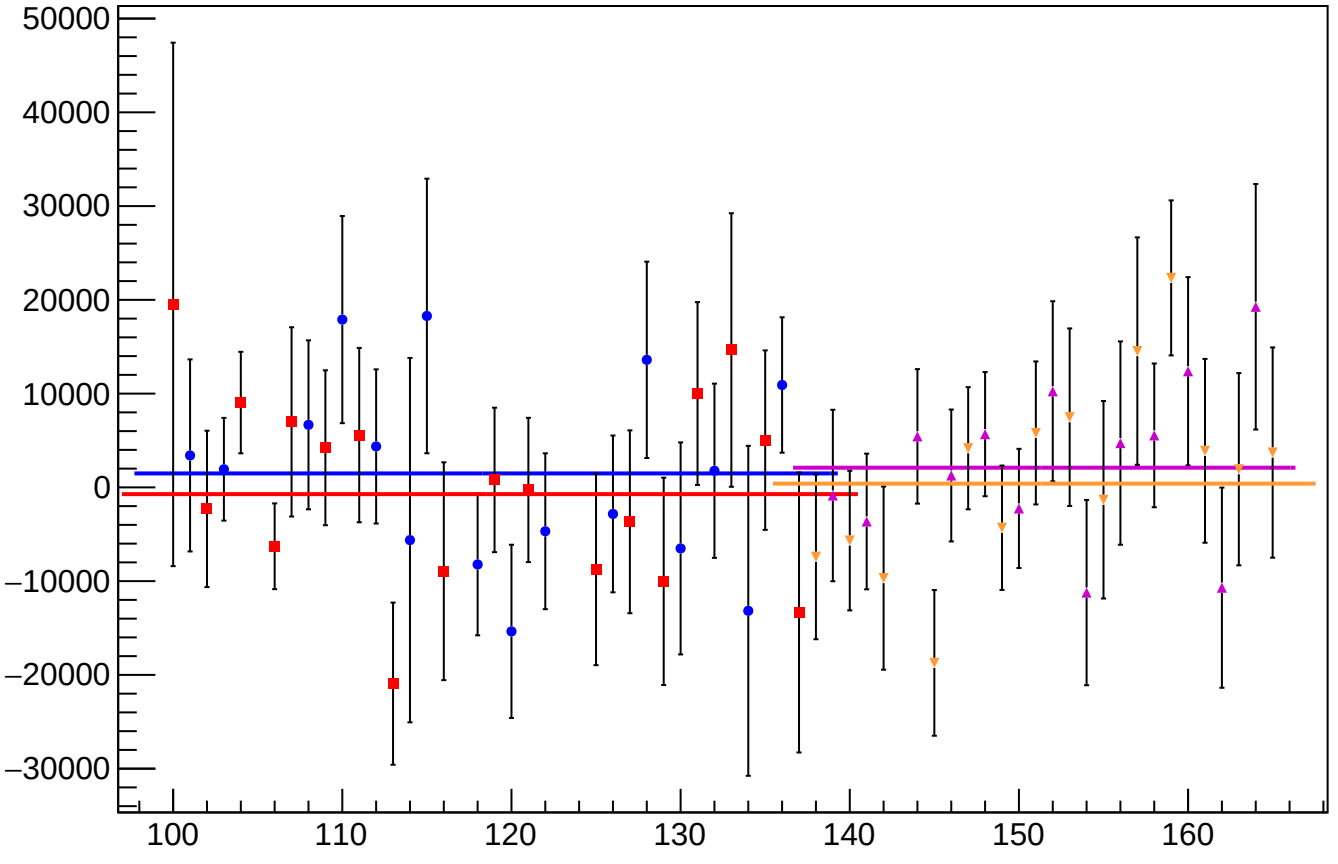
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

+ sign 1572.483+/-0.263 χ^2/NDF: 798638.9/29

All: 1564.059+/-0.185 χ^2/NDF: 1480172.1/60

- sign 1555.770+/-0.261 χ^2/NDF: 679502.8/30



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 399.389+/-2288.382 χ^2/NDF:19.1/13

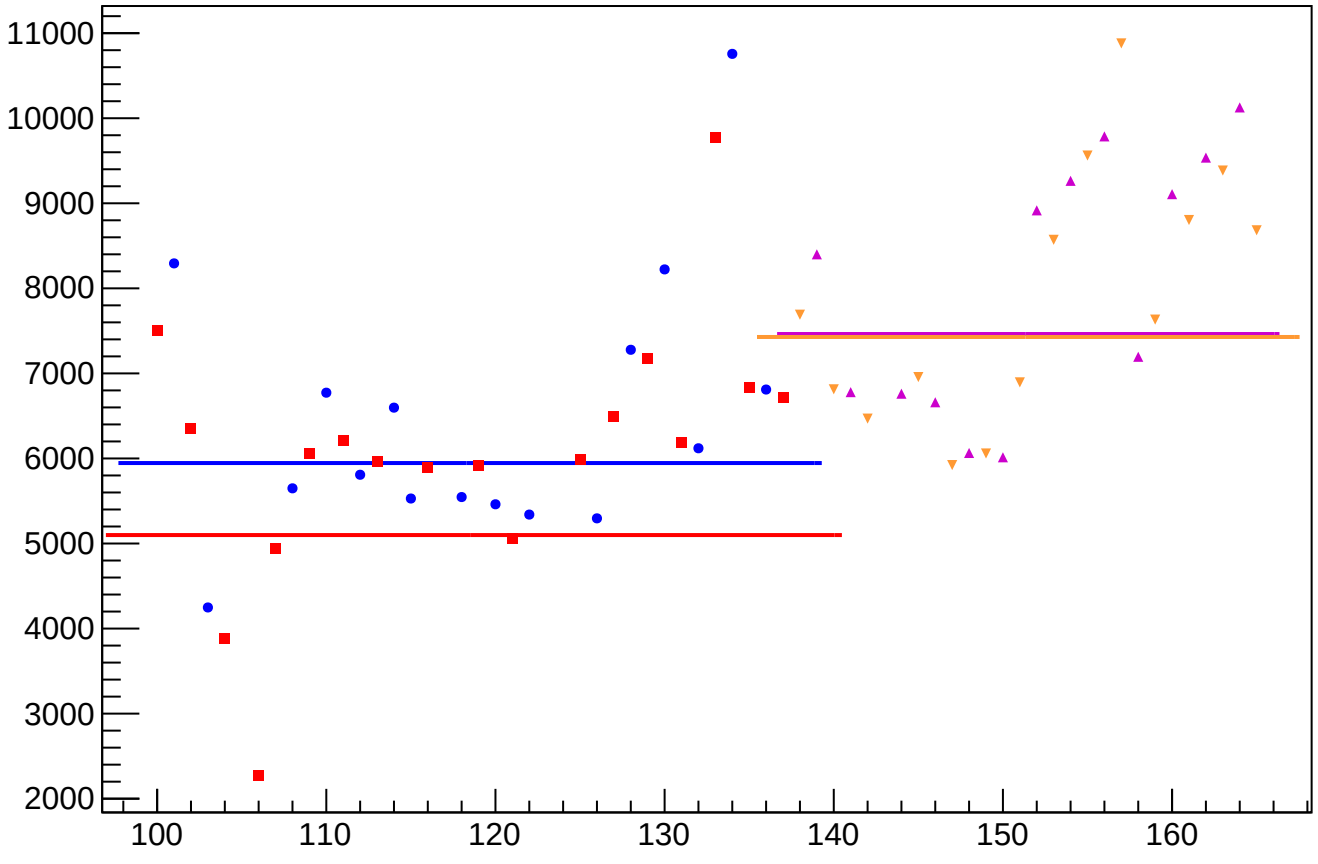
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 2098.252+/-2297.723 χ^2/NDF:8.7/12

+ sign 948.274+/-1610.886 χ^2/NDF: 33.4/29

All: 711.615+/-1103.032 χ^2/NDF: 60.6/60

- sign 502.704+/-1513.509 χ^2/NDF: 27.1/30



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7428.210+/-1.618 χ^2/NDF:655656.5/13

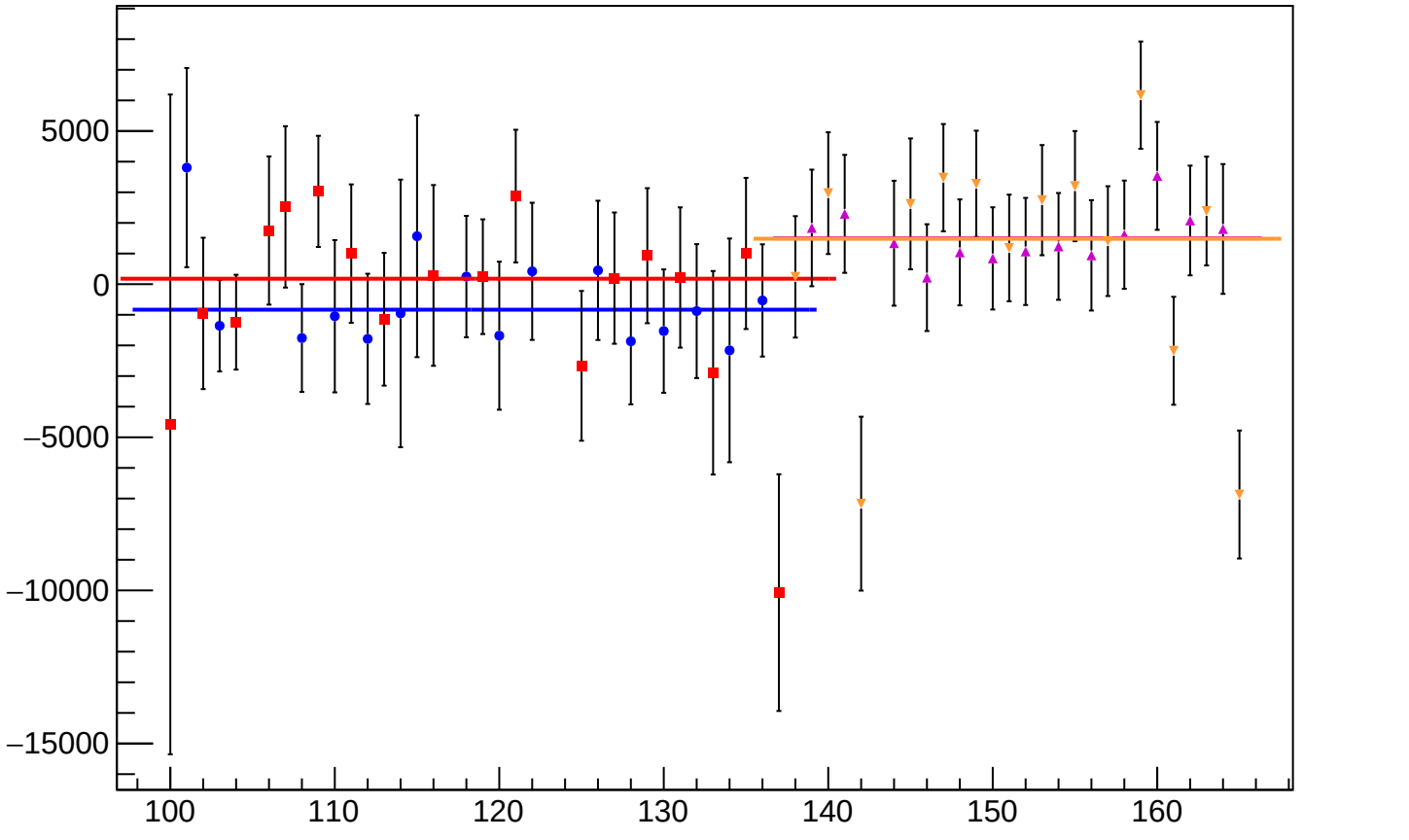
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7463.017+/-1.625 χ^2/NDF:695712.3/12

+ sign 6680.524+/-1.139 χ^2/NDF: 1720019.9/29

All: 6385.425+/-0.780 χ^2/NDF: 5220593.3/60

- sign 6124.924+/-1.070 χ^2/NDF: 3374206.9/30



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1483.836+/-502.399 χ^2/NDF:42.0/13

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

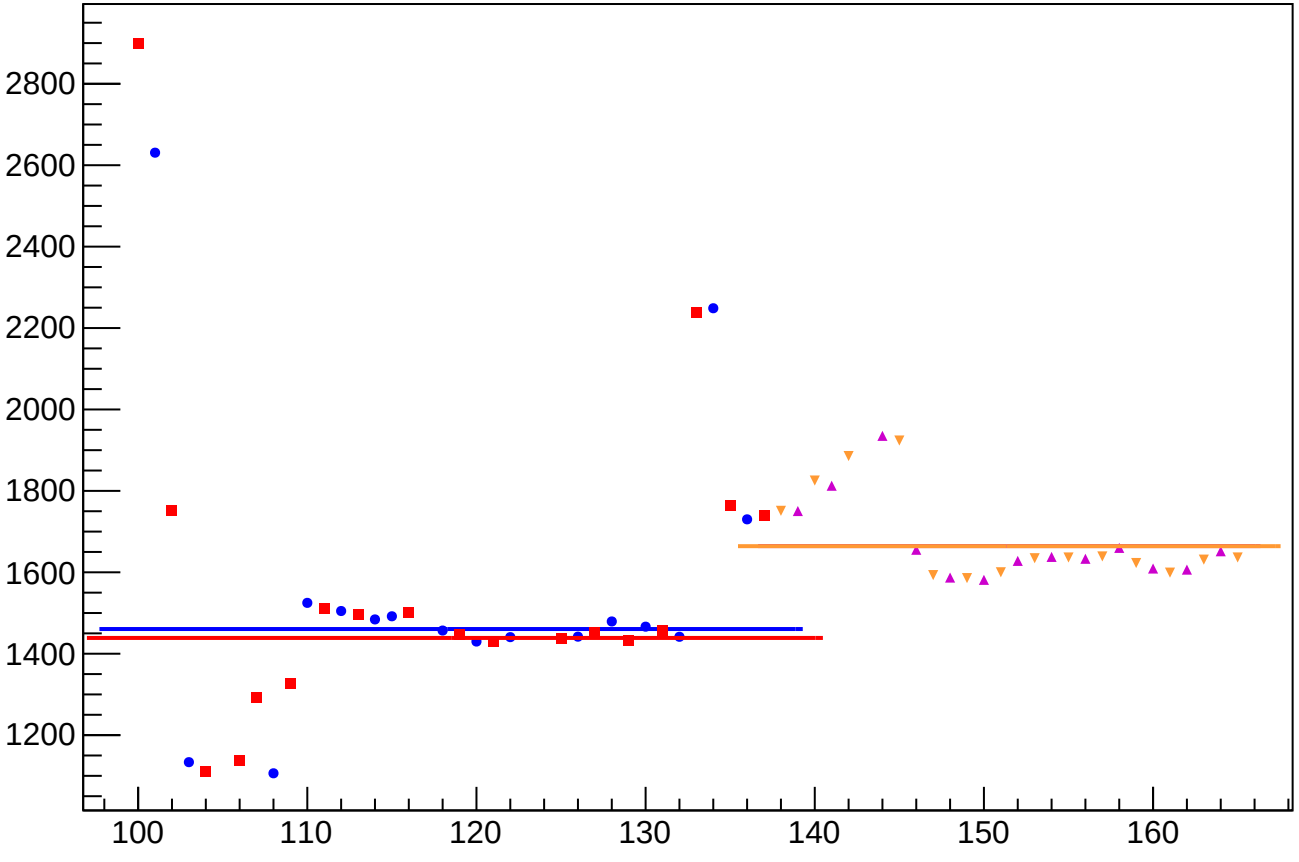
Left In: 1498.342+/-503.322 χ^2/NDF:2.6/12

\+ sign 439.796+/-372.411 χ^2/NDF: 56.2/29

All: 667.997+/-262.705 χ^2/NDF: 79.2/60

\- sign 894.030+/-370.638 χ^2/NDF: 22.2/30

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1664.175+/-0.355 χ^2/NDF:75034.6/13

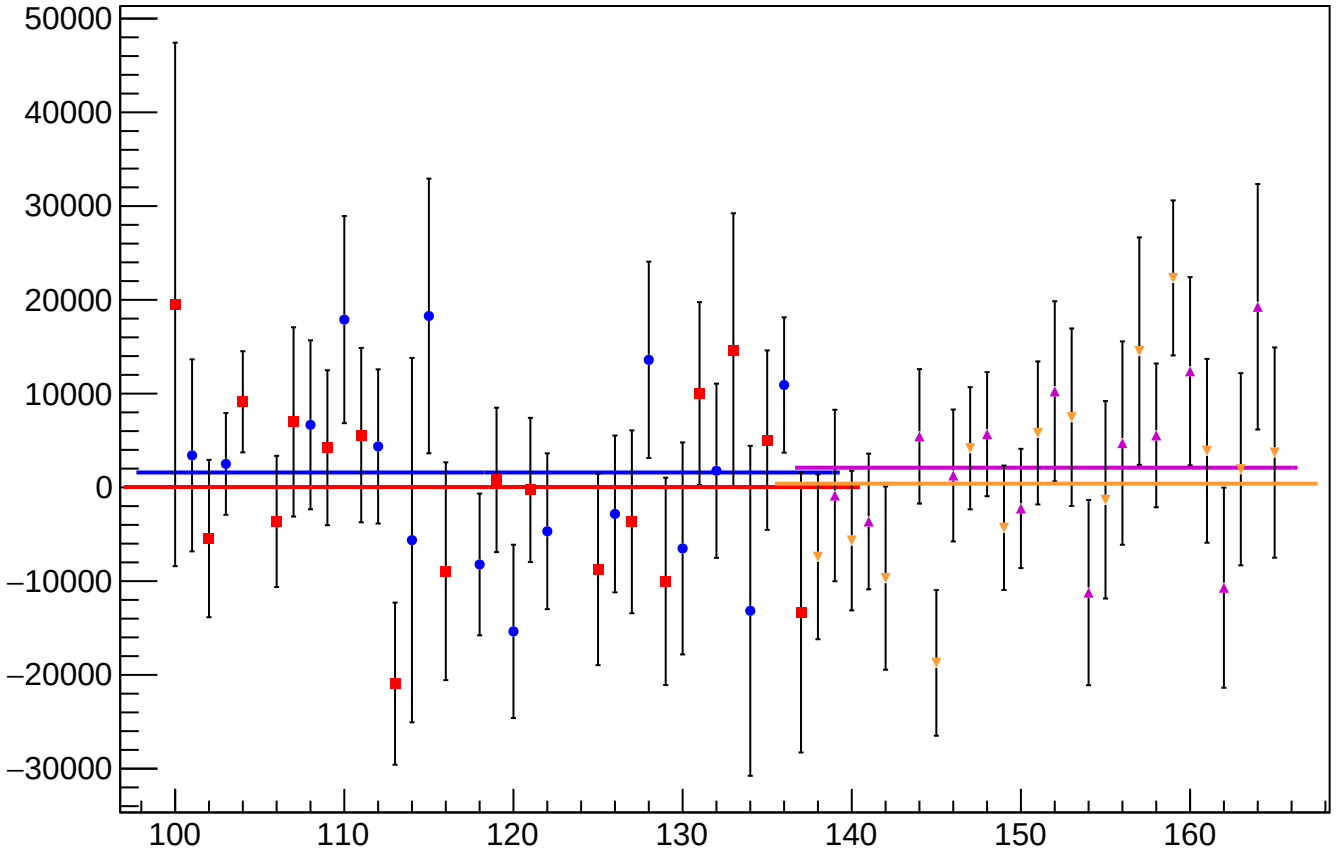
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

+ sign 1572.483+/-0.263 χ^2/NDF: 798639.3/29

All: 1566.647+/-0.186 χ^2/NDF: 1423693.4/60

- sign 1560.877+/-0.262 χ^2/NDF: 624077.2/30



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 399.362+/-2288.380 χ^2/NDF:19.1/13

Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

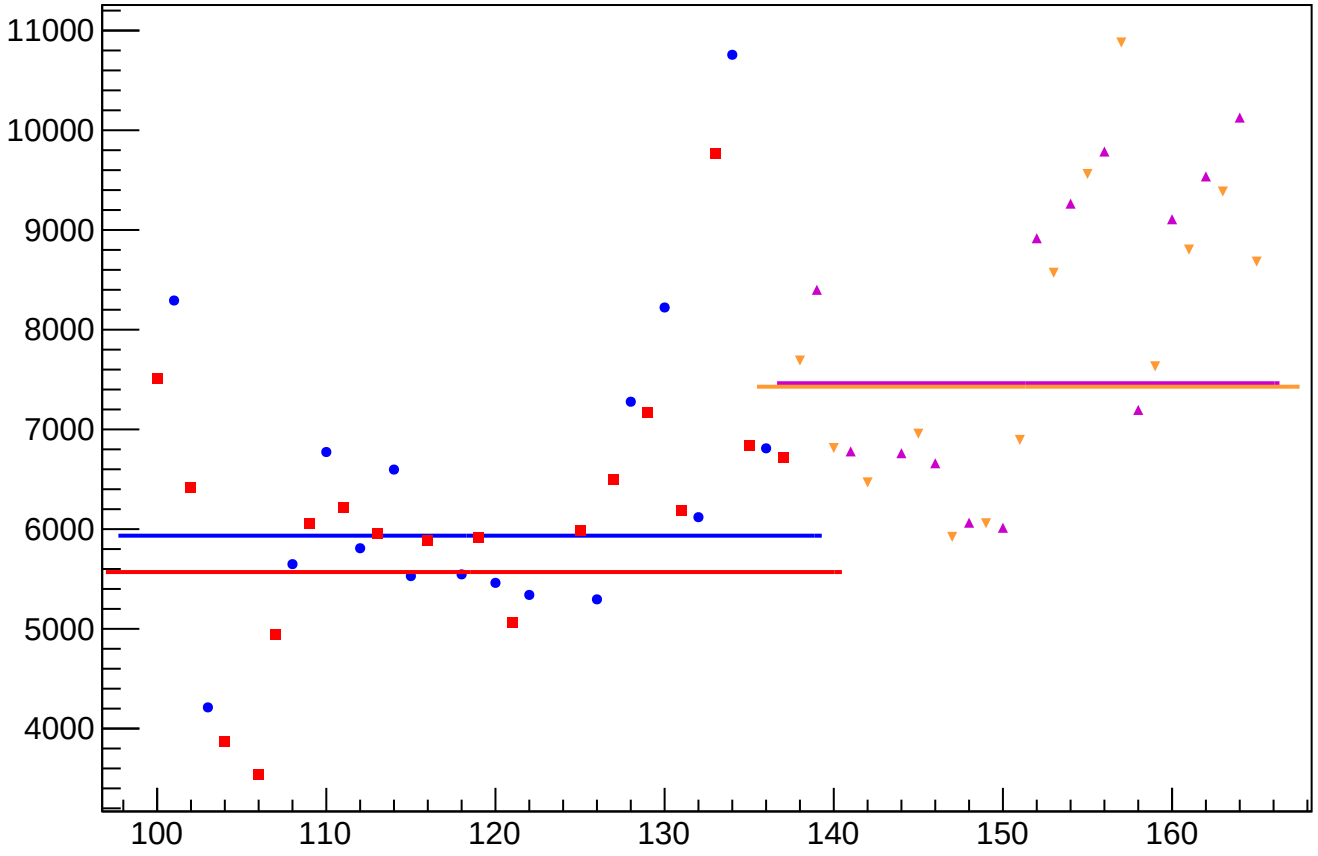
Left In: 2098.308+/-2297.721 χ^2/NDF:8.7/12

+ sign 1000.309+/-1609.534 χ^2/NDF: 33.5/29

All: 996.600+/-1121.397 χ^2/NDF: 59.1/60

- sign 993.102+/-1563.267 χ^2/NDF: 25.6/30

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: 7428.204+/-1.618 χ^2/NDF:655654.6/13

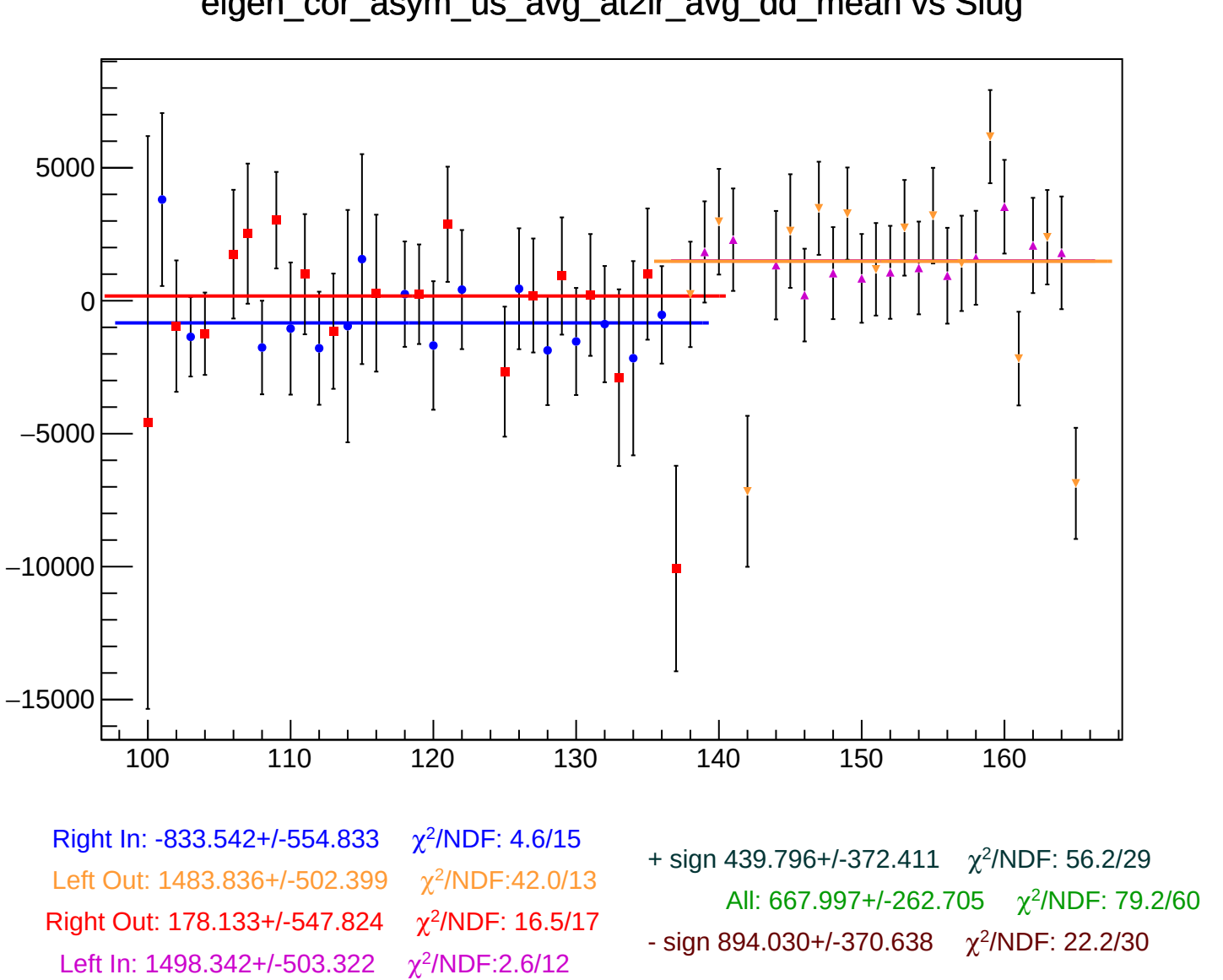
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7463.012+/-1.625 χ^2/NDF:695714.9/12

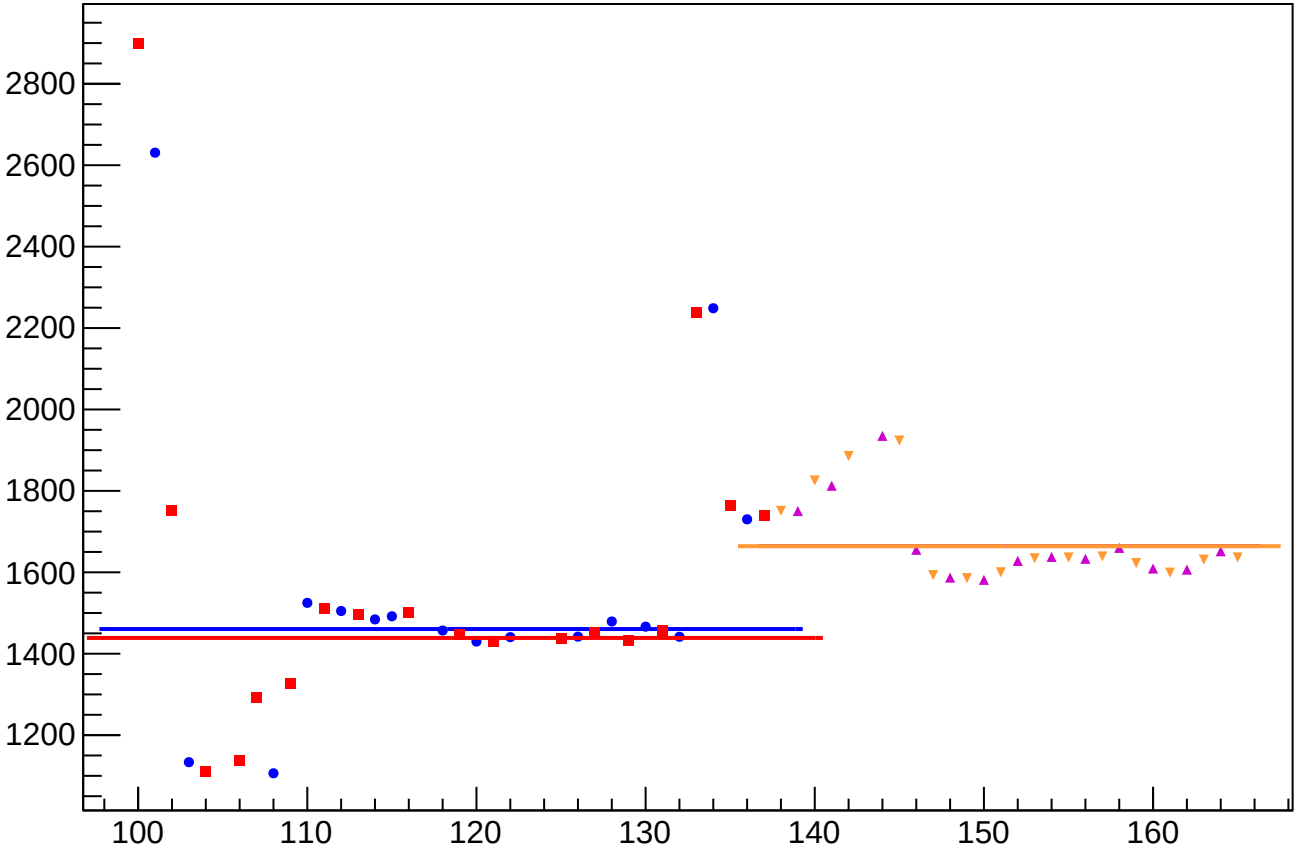
+ sign 6673.292+/-1.138 χ^2/NDF: 1739481.9/29

All: 6556.349+/-0.793 χ^2/NDF: 3909206.4/60

- sign 6446.032+/-1.105 χ^2/NDF: 2149207.0/30


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1483.836+/-502.399 χ²/NDF:42.0/13
Right Out: 178.133+/-547.824 χ²/NDF: 16.5/17
Left In: 1498.342+/-503.322 χ²/NDF:2.6/12
+ sign 439.796+/-372.411 χ²/NDF: 56.2/29
All: 667.997+/-262.705 χ²/NDF: 79.2/60
- sign 894.030+/-370.638 χ²/NDF: 22.2/30

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: 1664.175+/-0.355 χ^2/NDF:75034.6/13

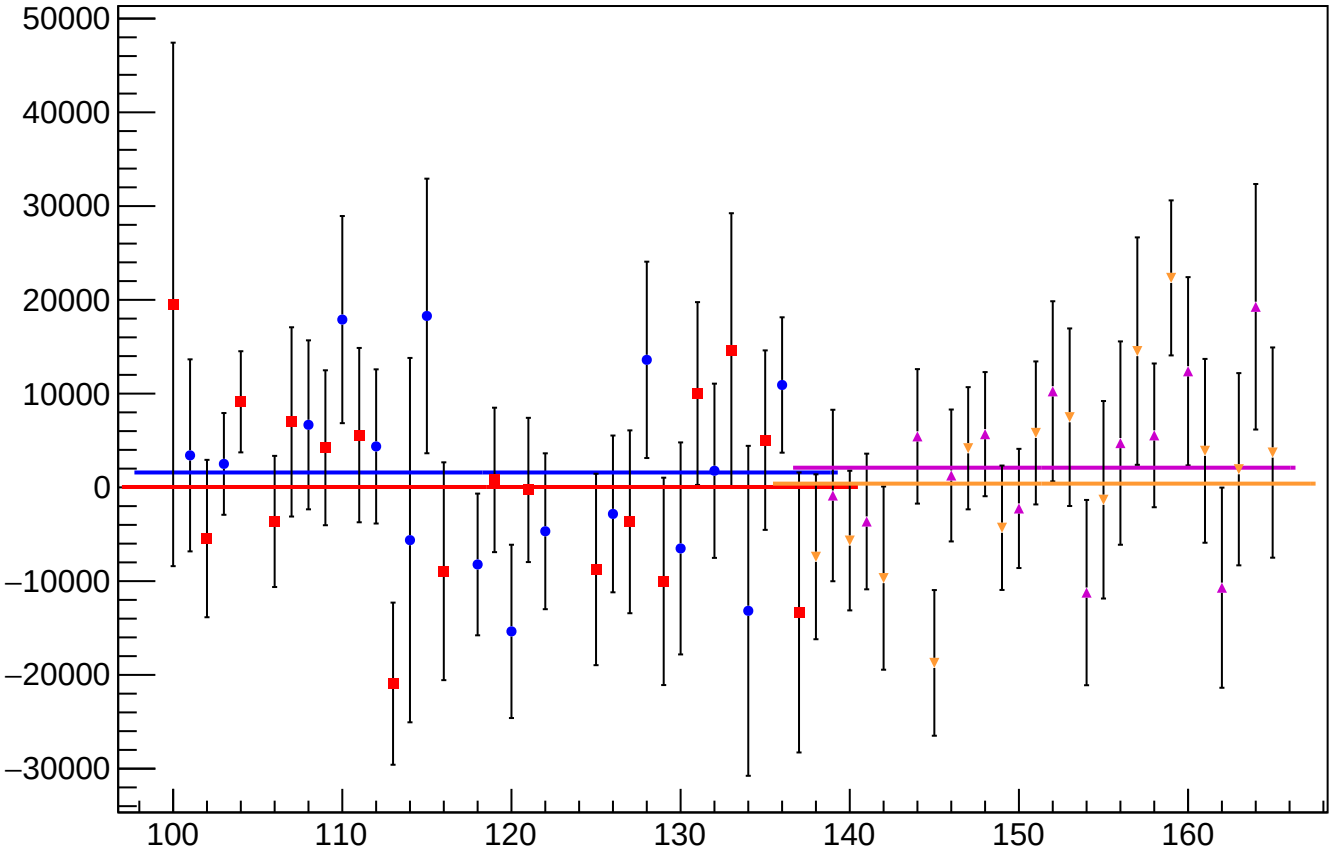
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

+ sign 1572.483+/-0.263 χ^2/NDF: 798639.3/29

All: 1566.647+/-0.186 χ^2/NDF: 1423693.4/60

- sign 1560.877+/-0.262 χ^2/NDF: 624077.2/30



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 399.362+/-2288.380 χ^2/NDF:19.1/13

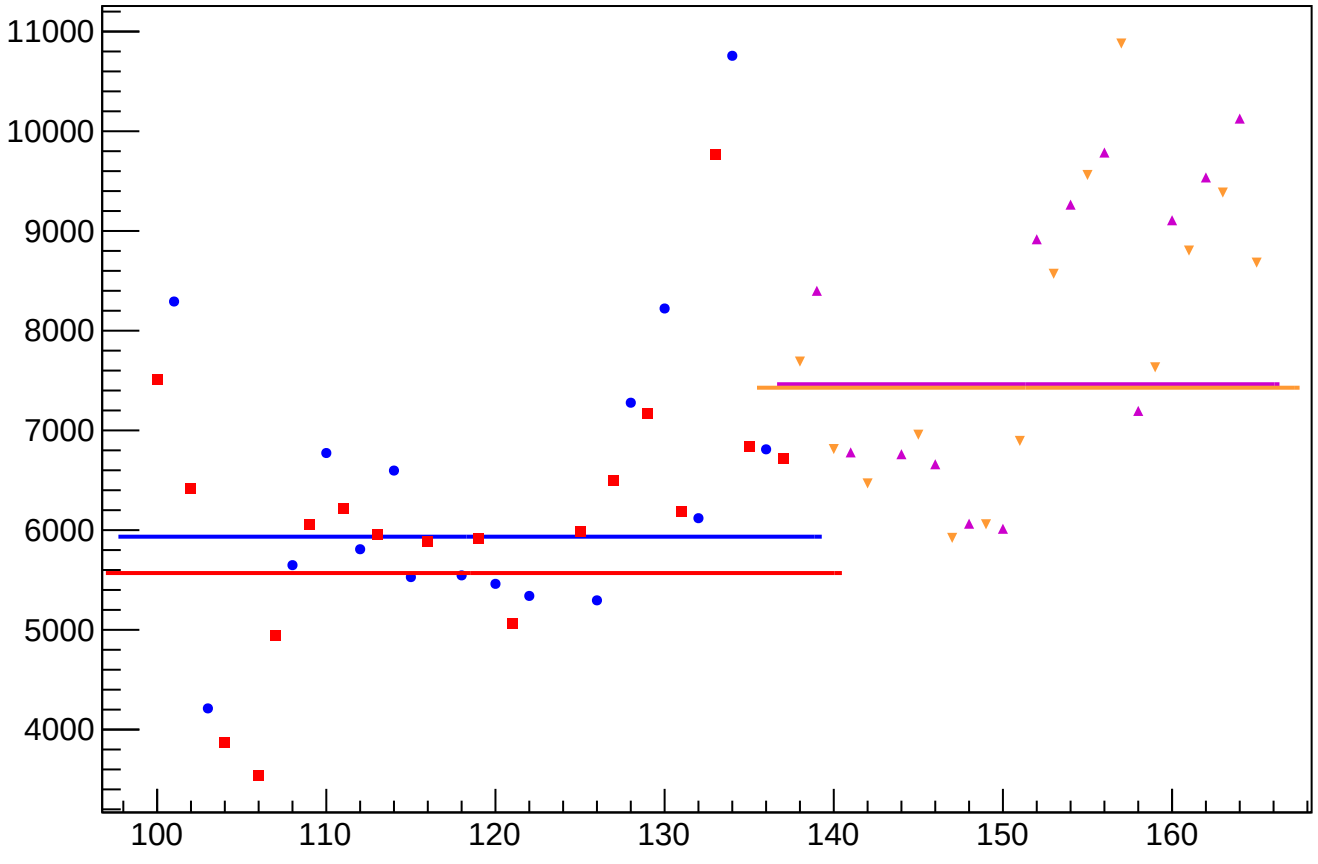
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 2098.308+/-2297.721 χ^2/NDF:8.7/12

+ sign 1000.309+/-1609.534 χ^2/NDF: 33.5/29

All: 996.600+/-1121.397 χ^2/NDF: 59.1/60

- sign 993.102+/-1563.267 χ^2/NDF: 25.6/30



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7428.204+/-1.618 χ^2/NDF:655654.6/13

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

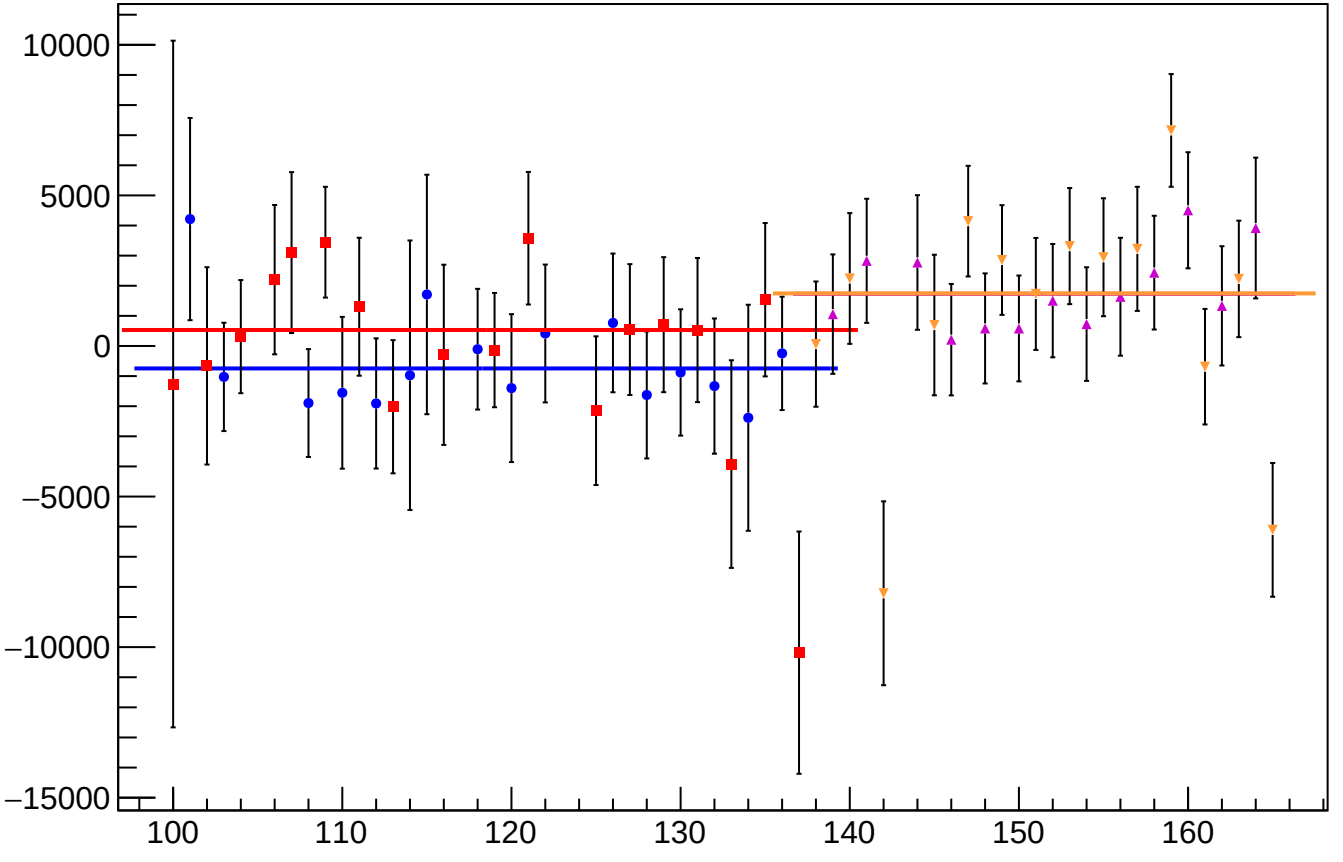
Left In: 7463.012+/-1.625 χ^2/NDF:695714.9/12

+ sign 6673.292+/-1.138 χ^2/NDF: 1739481.9/29

All: 6556.349+/-0.793 χ^2/NDF: 3909206.4/60

- sign 6446.032+/-1.105 χ^2/NDF: 2149207.0/30

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1745.903+/-541.248 χ^2/NDF:37.7/13

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

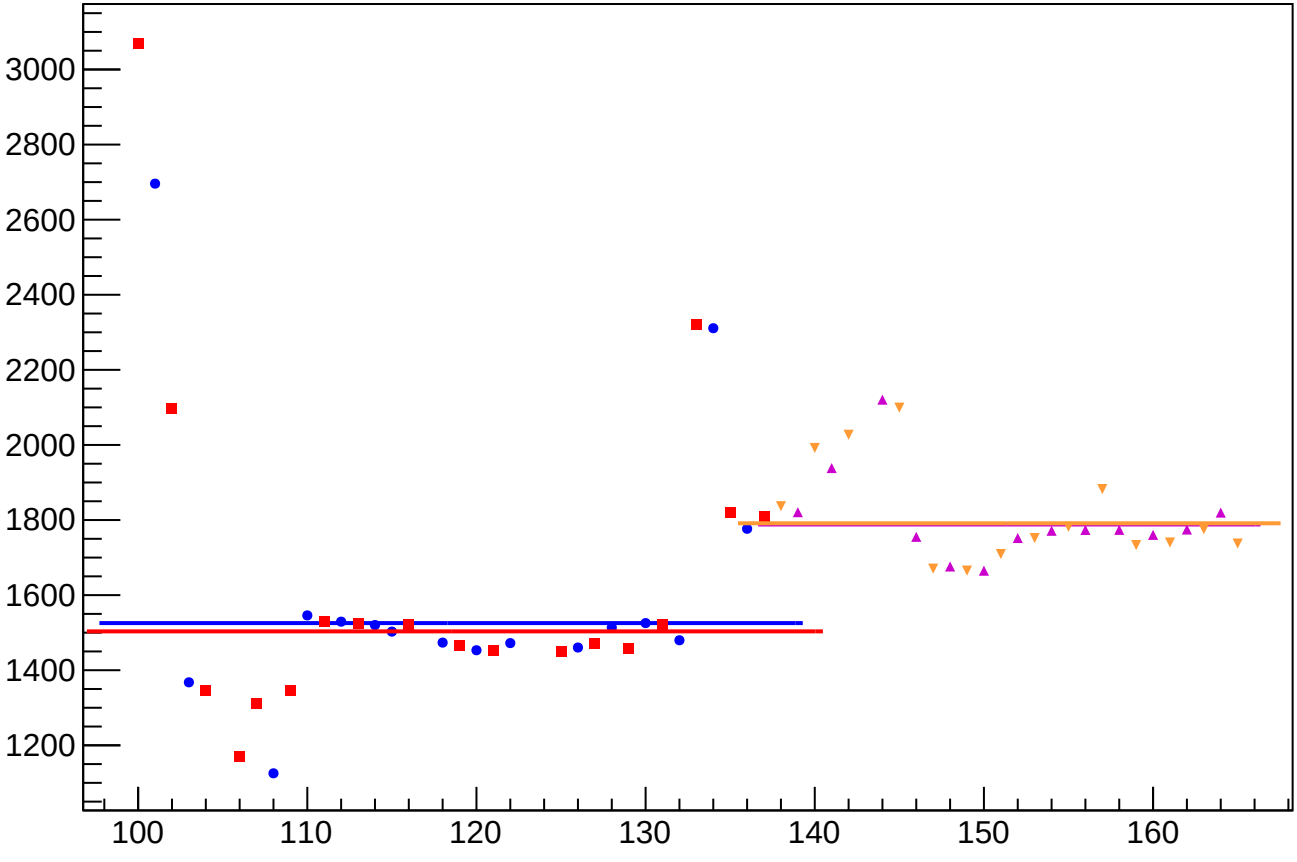
Left In: 1733.273+/-540.989 χ^2/NDF:5.5/12

+ sign 581.881+/-395.097 χ^2/NDF: 52.4/29

All: 876.220+/-279.005 χ^2/NDF: 79.1/60

- sign 1169.000+/-394.049 χ^2/NDF: 25.6/30

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1791.355+/-0.383 χ^2/NDF:96363.1/13

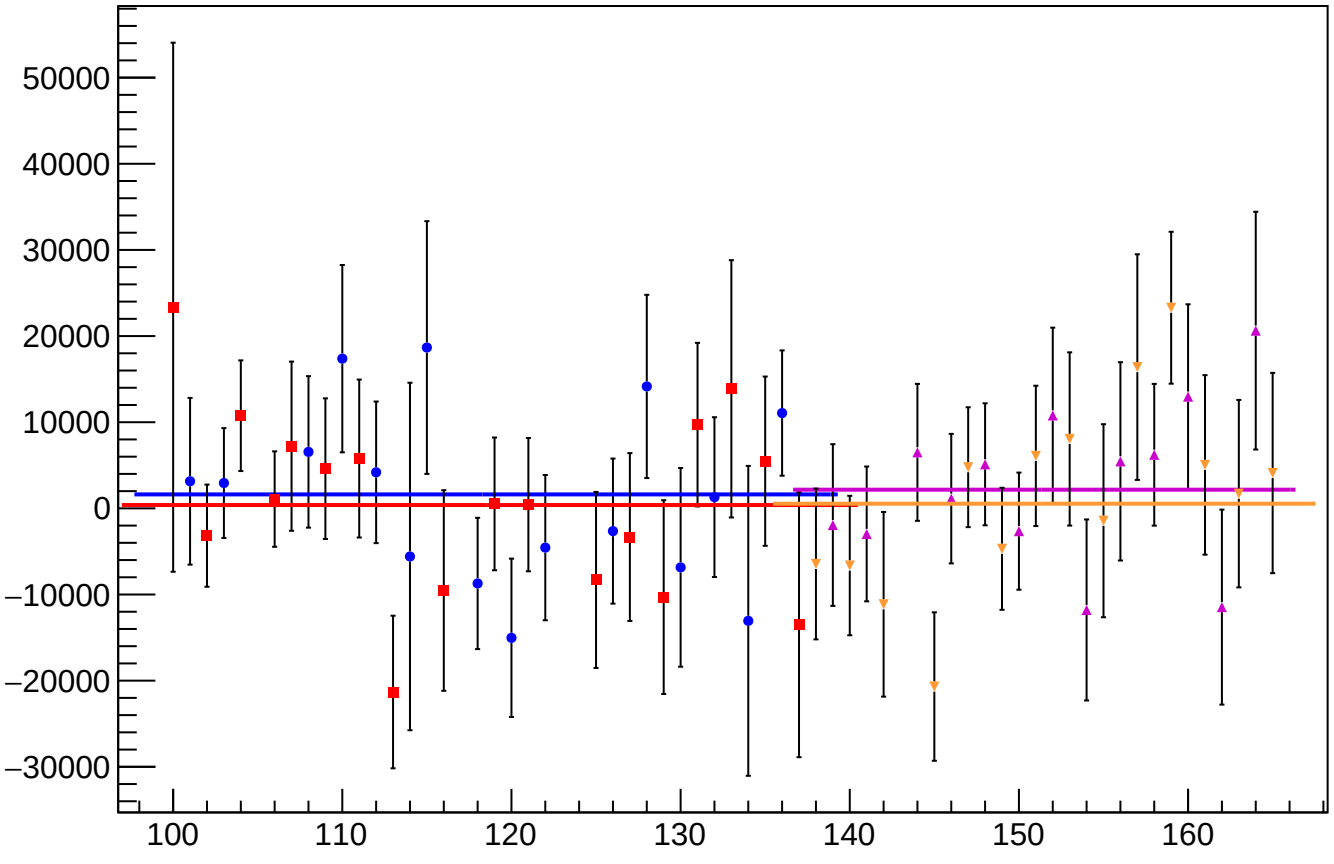
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1788.078+/-0.383 χ^2/NDF:75336.4/12

+ sign 1667.181+/-0.279 χ^2/NDF: 810040.5/29

All: 1660.778+/-0.197 χ^2/NDF: 1484937.7/60

- sign 1654.410+/-0.279 χ^2/NDF: 673849.6/30



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 539.762+/-2441.363 χ^2/NDF:19.1/13

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

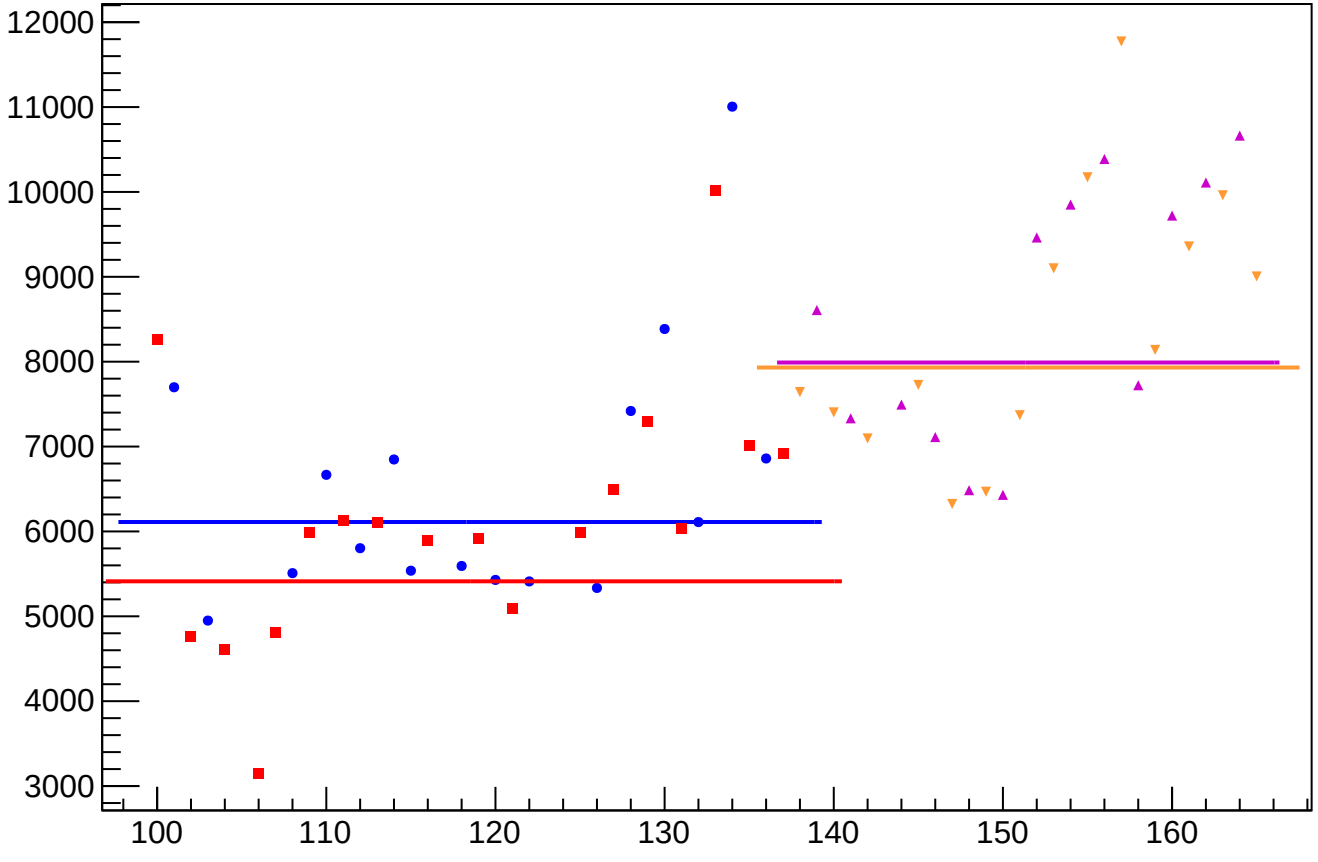
Left In: 2168.779+/-2457.567 χ^2/NDF:8.7/12

+ sign 1107.420+/-1681.768 χ^2/NDF: 33.4/29

All: 1115.186+/-1151.185 χ^2/NDF: 58.4/60

- sign 1122.032+/-1579.120 χ^2/NDF: 25.0/30

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: 7931.069+/-1.726 χ^2/NDF:630042.0/13

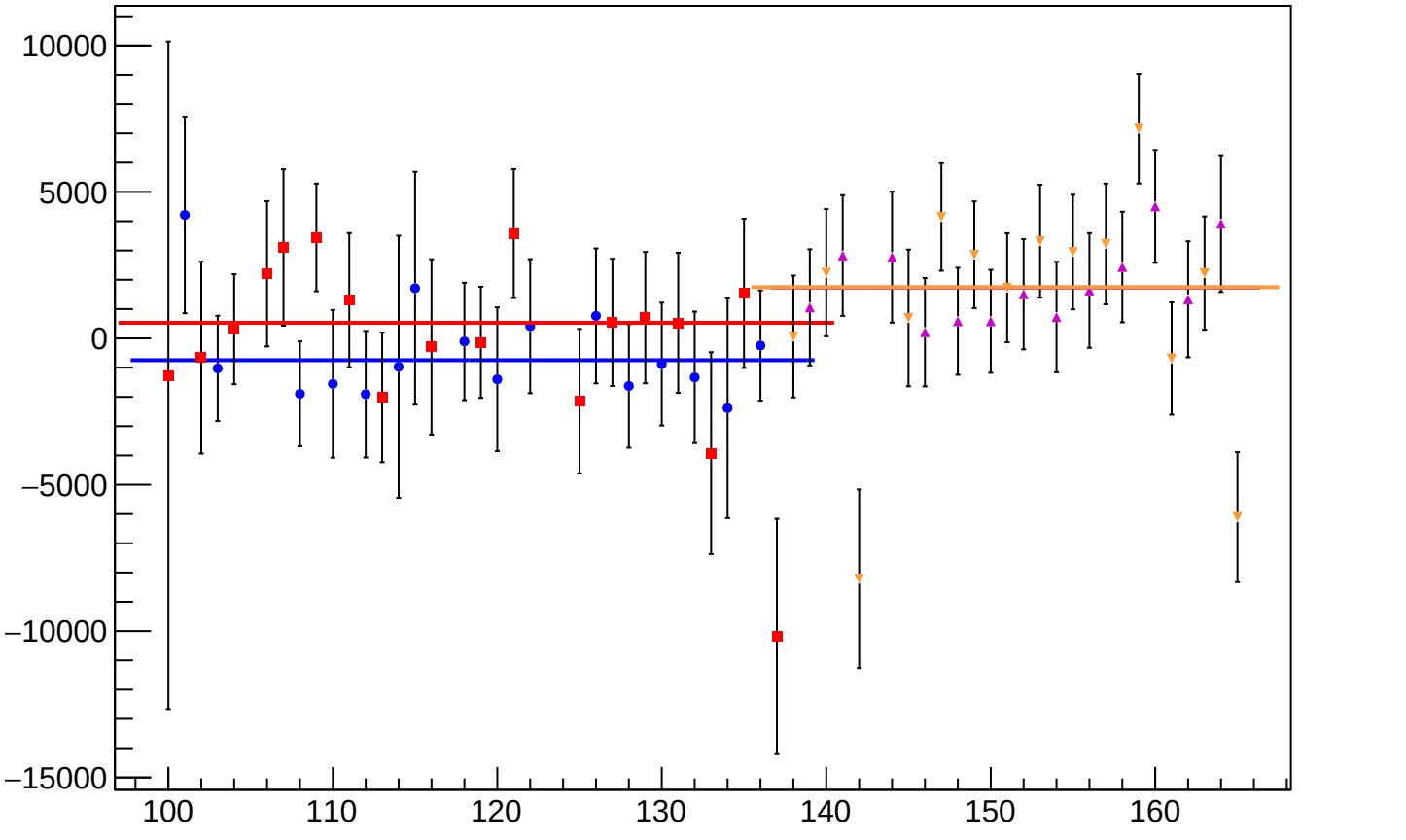
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7990.105+/-1.738 χ^2/NDF:644215.2/12

+ sign 6974.705+/-1.189 χ^2/NDF: 1685777.7/29

All: 6709.988+/-0.814 χ^2/NDF: 4536748.1/60

- sign 6476.599+/-1.117 χ^2/NDF: 2757730.7/30



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1745.915+/-541.249 χ^2/NDF:37.7/13

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

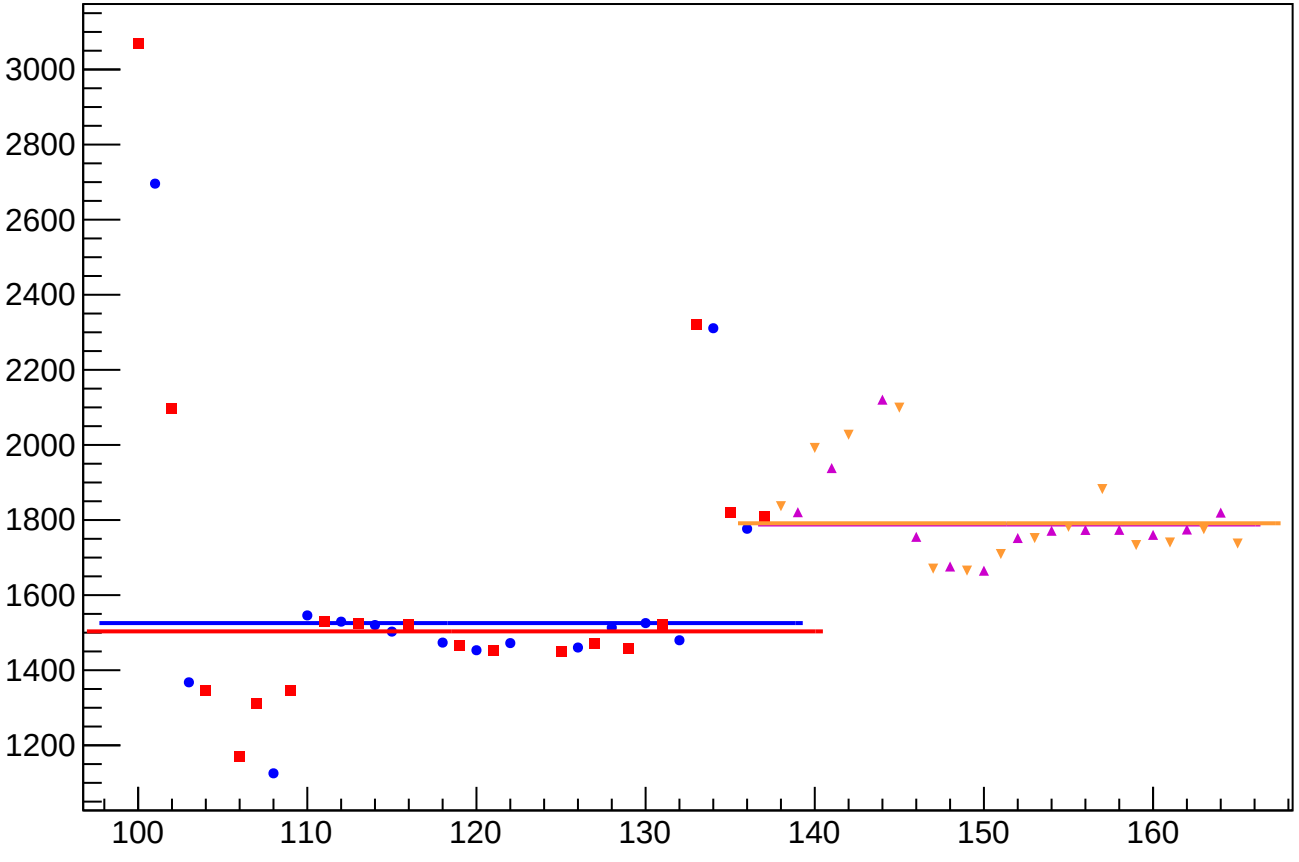
Left In: 1733.273+/-540.990 χ^2/NDF:5.5/12

+ sign 581.883+/-395.097 χ^2/NDF: 52.4/29

All: 876.223+/-279.005 χ^2/NDF: 79.1/60

- sign 1169.003+/-394.050 χ^2/NDF: 25.6/30

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: 1791.358+/-0.383 χ^2/NDF:96363.7/13

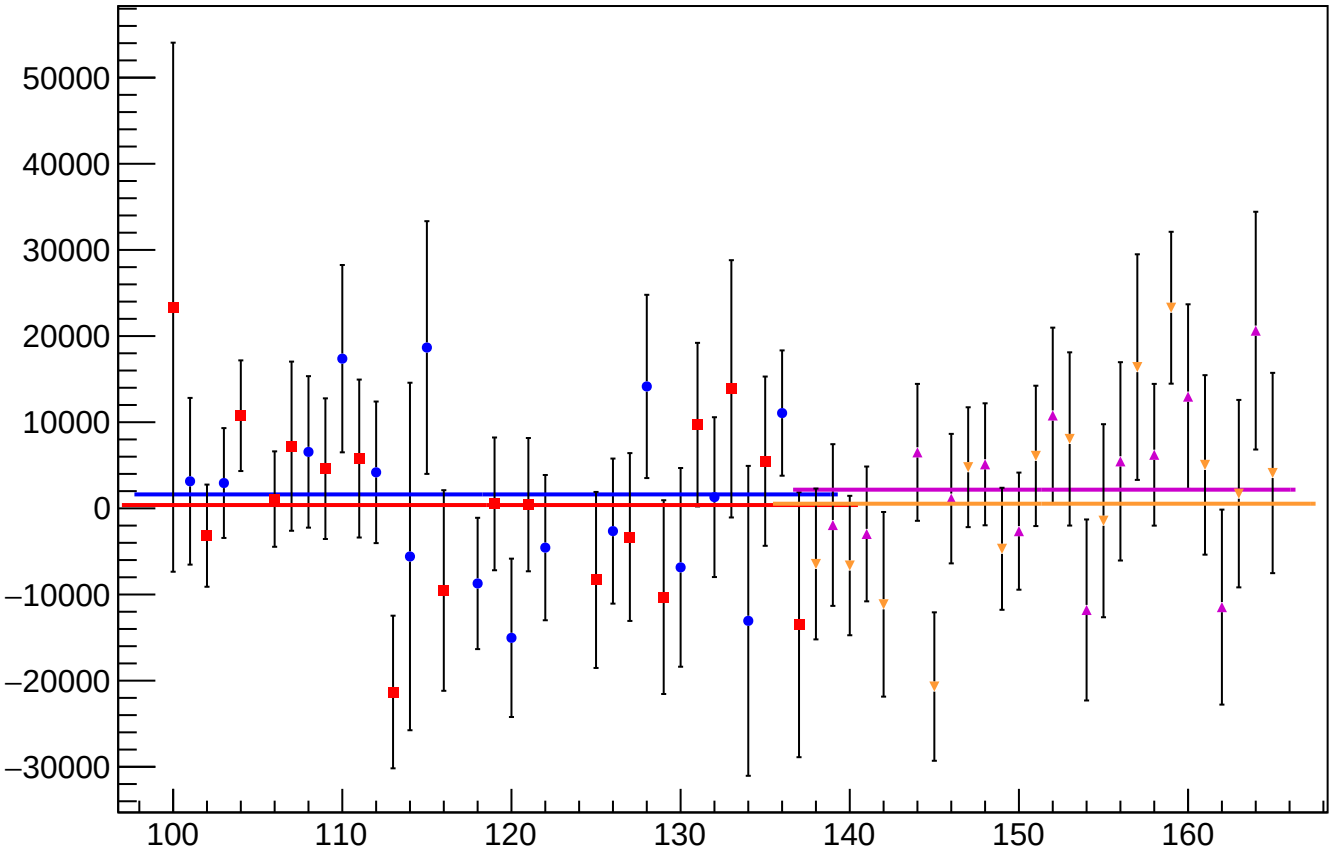
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1788.082+/-0.383 χ^2/NDF:75336.6/12

+ sign 1667.182+/-0.279 χ^2/NDF: 810045.8/29

All: 1660.779+/-0.197 χ^2/NDF: 1484948.9/60

- sign 1654.412+/-0.279 χ^2/NDF: 673855.3/30



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 539.765+/-2441.366 χ^2/NDF:19.1/13

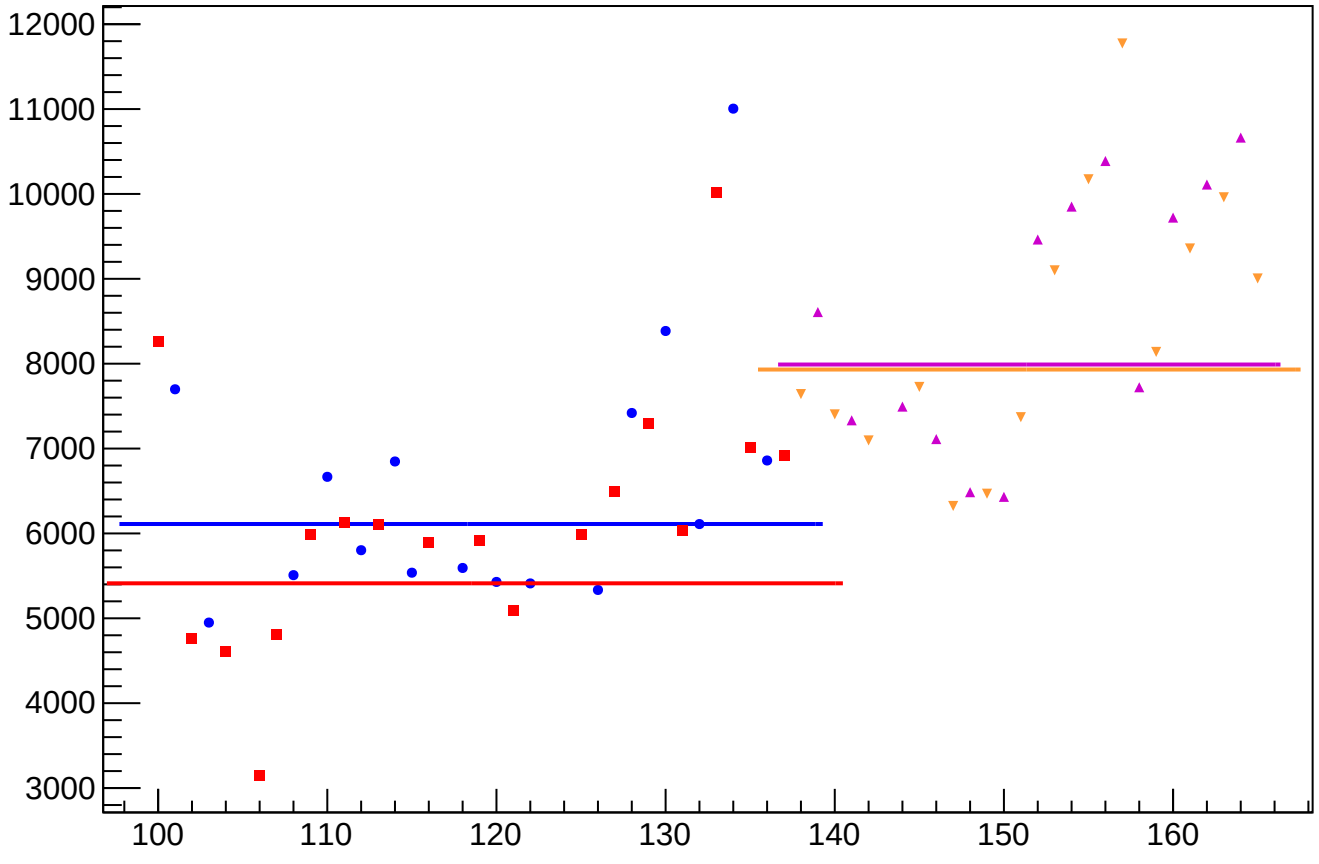
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 2168.775+/-2457.571 χ^2/NDF:8.7/12

\+ sign 1107.413+/-1681.767 χ^2/NDF: 33.4/29

All: 1115.182+/-1151.185 χ^2/NDF: 58.4/60

\- sign 1122.031+/-1579.119 χ^2/NDF: 25.0/30



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7931.080+/-1.726 χ^2/NDF:630044.1/13

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

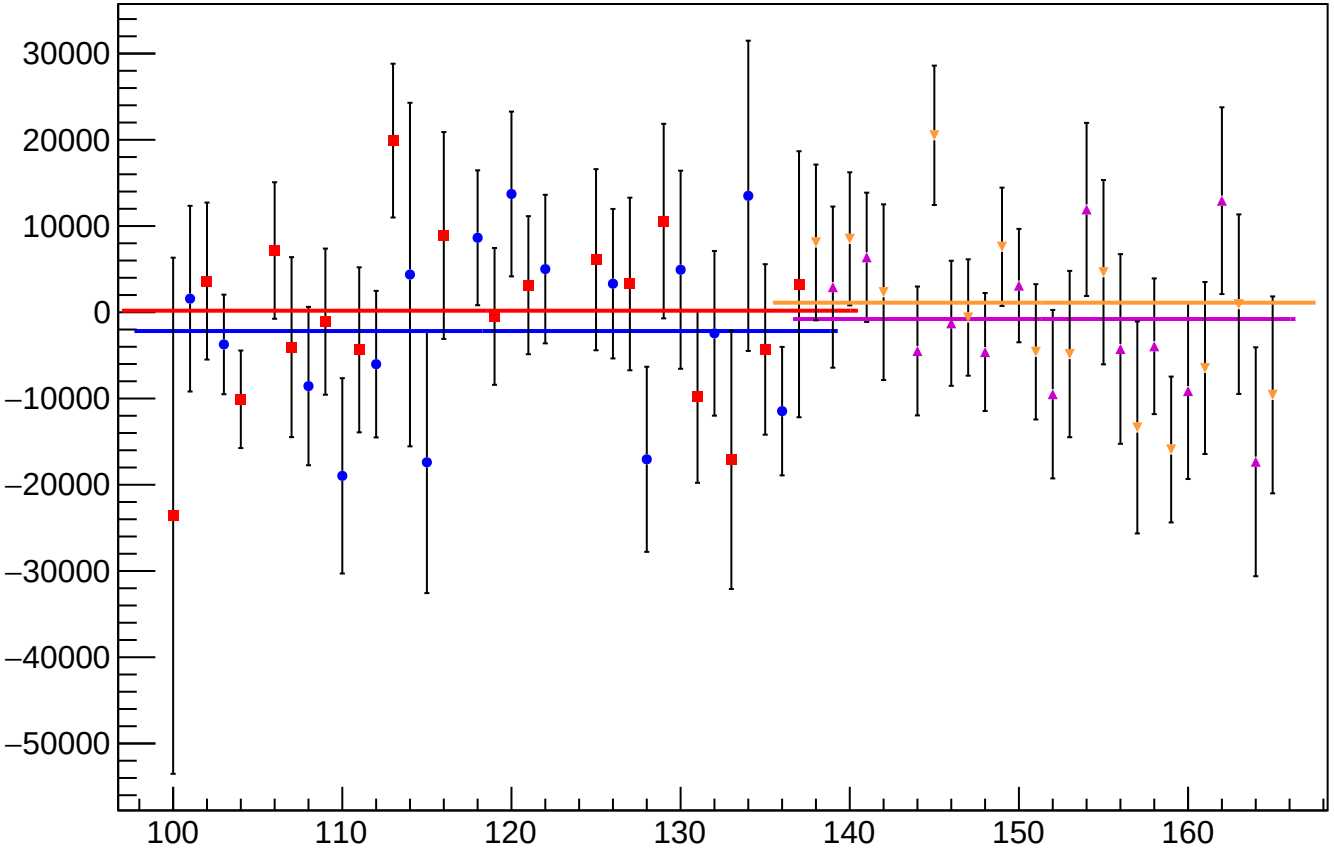
Left In: 7990.115+/-1.738 χ^2/NDF:644217.0/12

+ sign 6974.699+/-1.189 χ^2/NDF: 1685797.8/29

All: 6709.982+/-0.814 χ^2/NDF: 4536792.5/60

- sign 6476.592+/-1.117 χ^2/NDF: 2757754.3/30

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1111.758+/-2353.401 χ^2/NDF:16.2/13

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

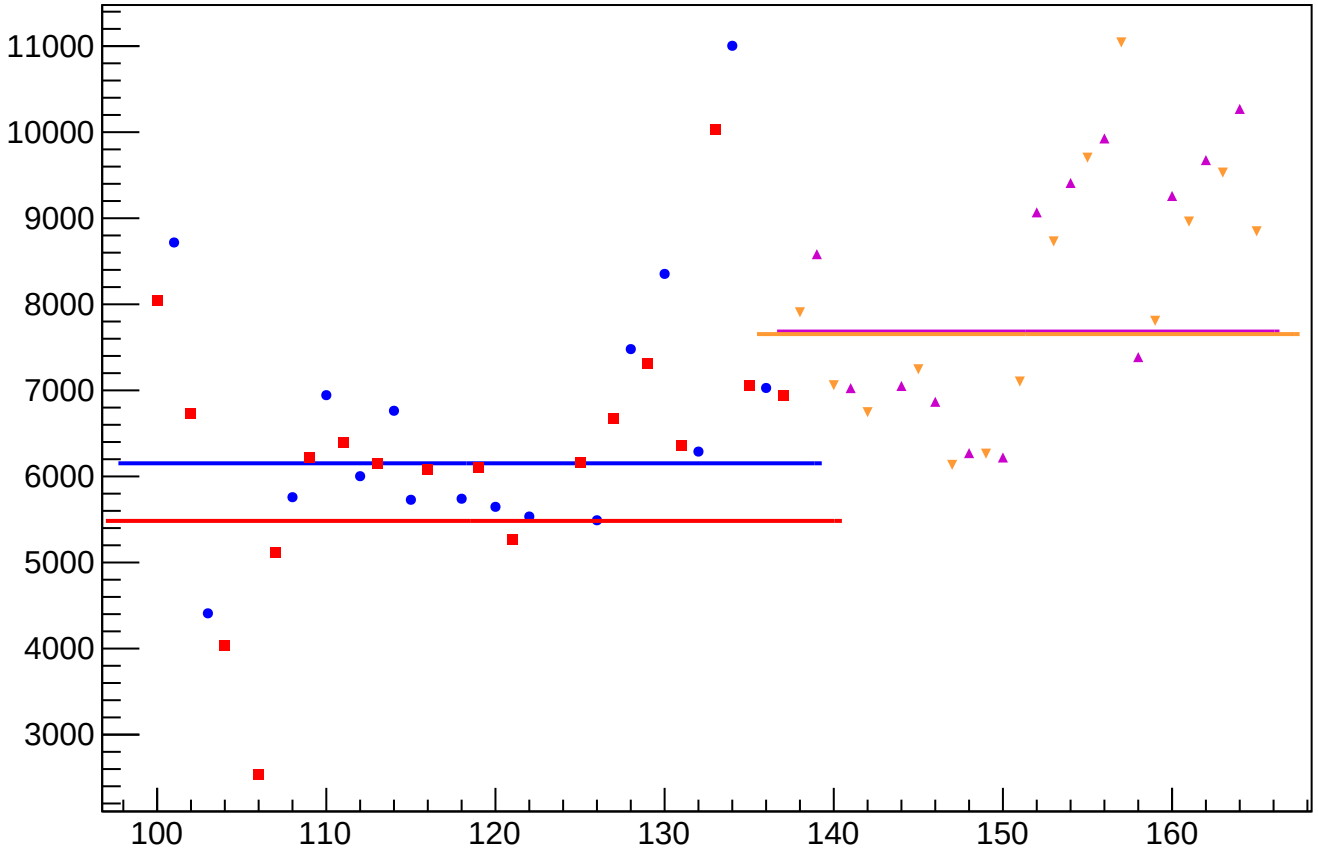
Left In: -782.090+/-2361.462 χ^2/NDF:8.5/12

+ sign -535.155+/-1662.074 χ^2/NDF: 31.7/29

All: -399.970+/-1160.433 χ^2/NDF: 55.0/60

- sign -271.399+/-1620.902 χ^2/NDF: 23.2/30

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7653.929+/-1.664 χ^2/NDF:600271.0/13

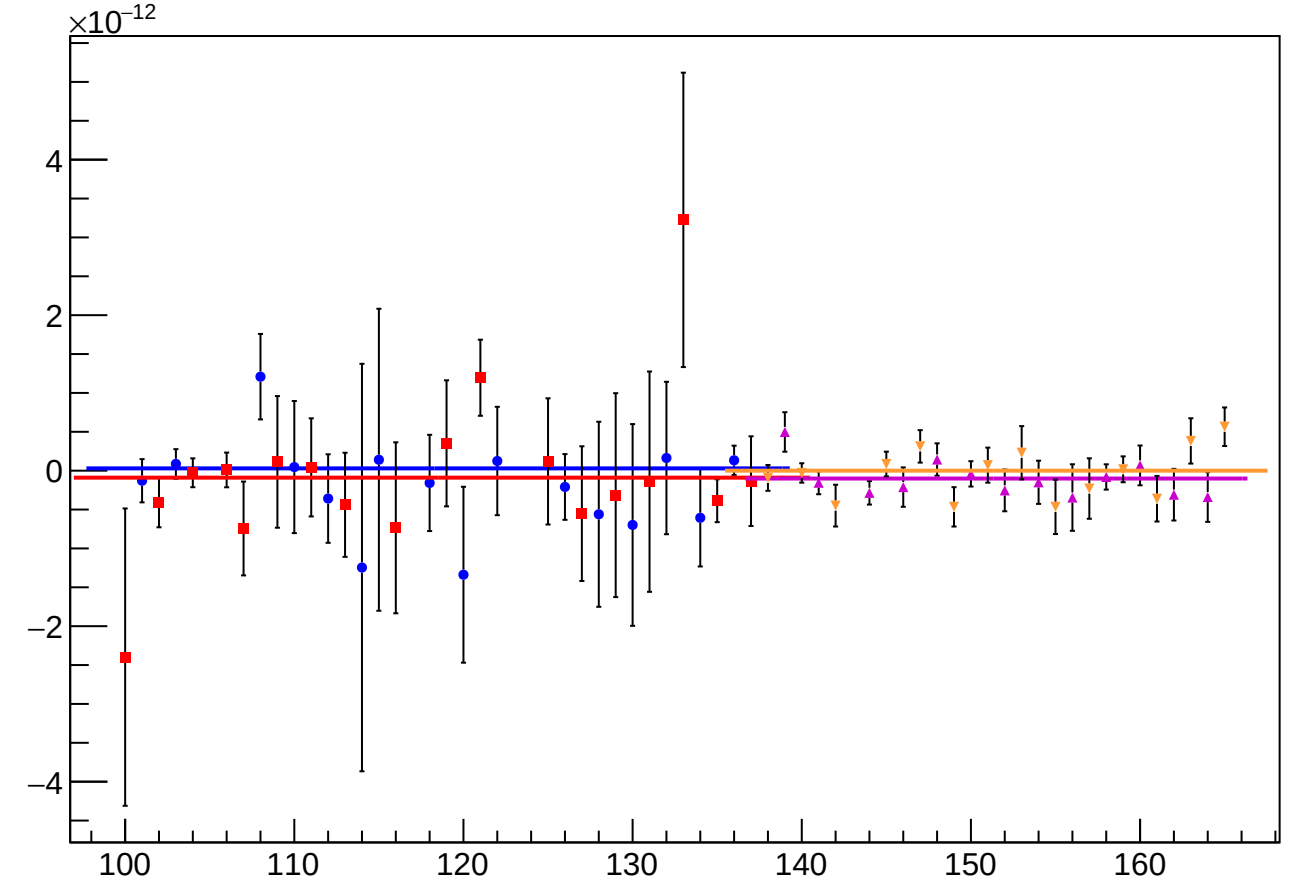
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7683.443+/-1.670 χ^2/NDF:634654.7/12

+ sign 6901.473+/-1.175 χ^2/NDF: 1632212.3/29

All: 6681.261+/-0.812 χ^2/NDF: 4432458.8/60

- sign 6479.904+/-1.124 χ^2/NDF: 2733035.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/13

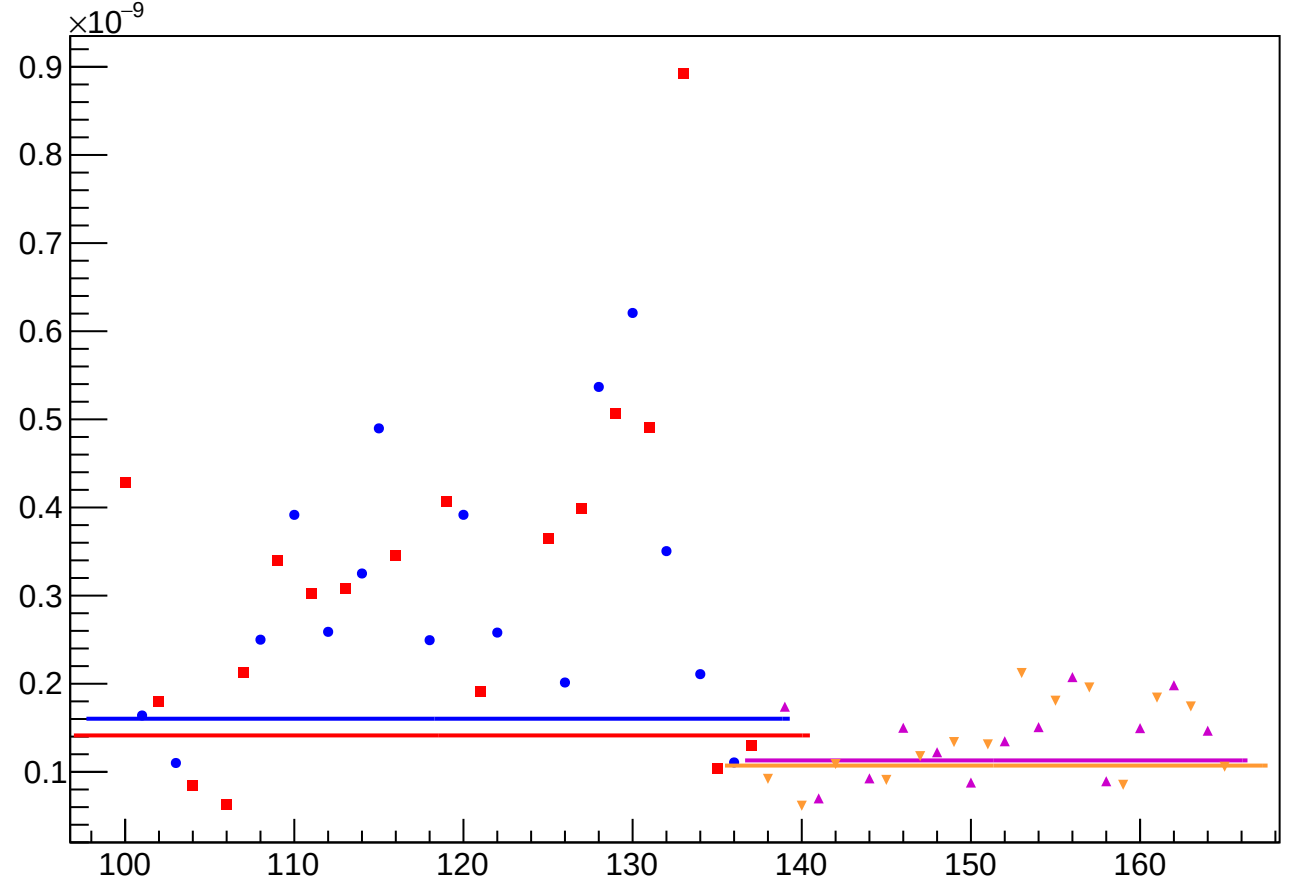
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:11.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/29

All: -0.000+/-0.000 χ^2/NDF: 59.4/60

- sign -0.000+/-0.000 χ^2/NDF: 27.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1013050.5/13

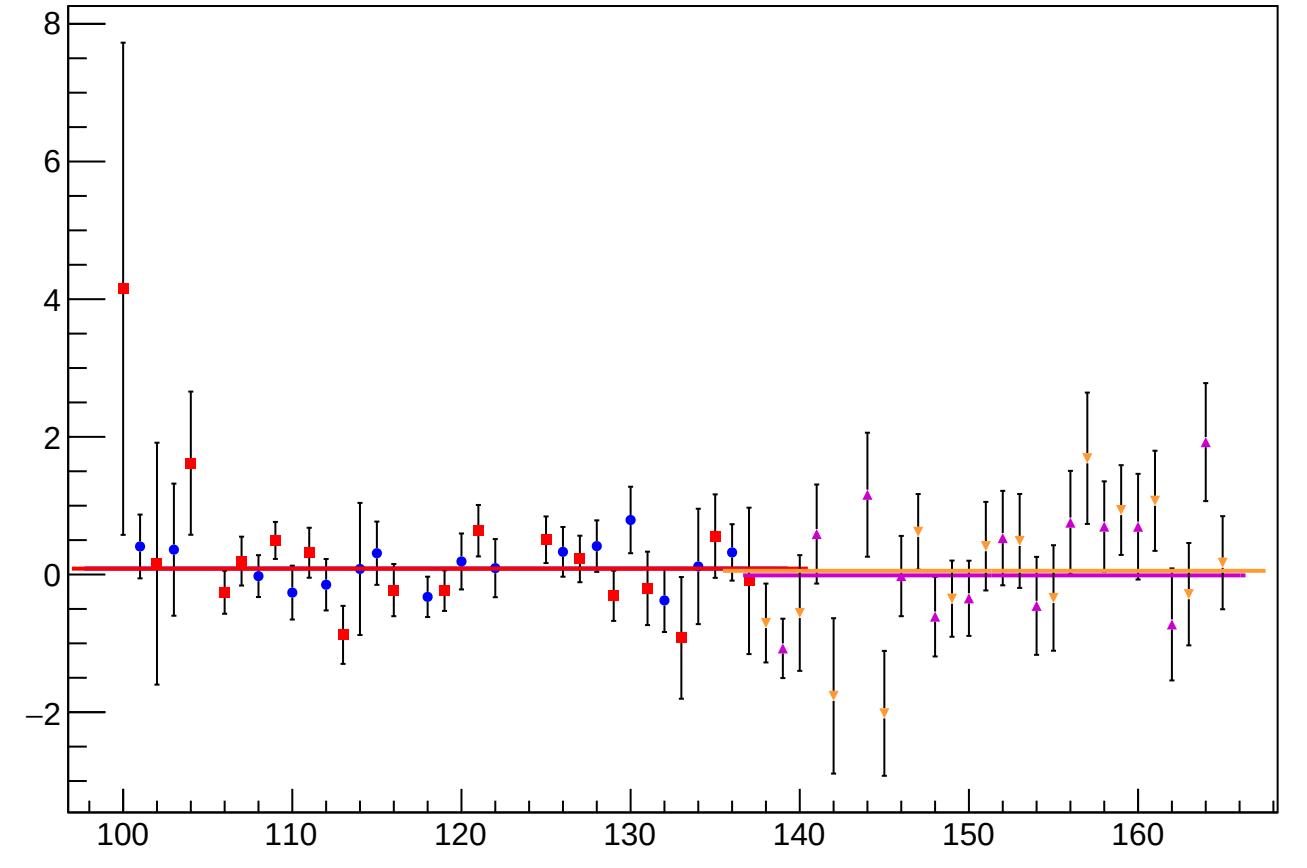
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:801197.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 2747351.3/29

All: 0.000+/-0.000 χ^2/NDF: 5829296.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3081744.3/30



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.054+/-0.187 χ^2/NDF:19.6/13

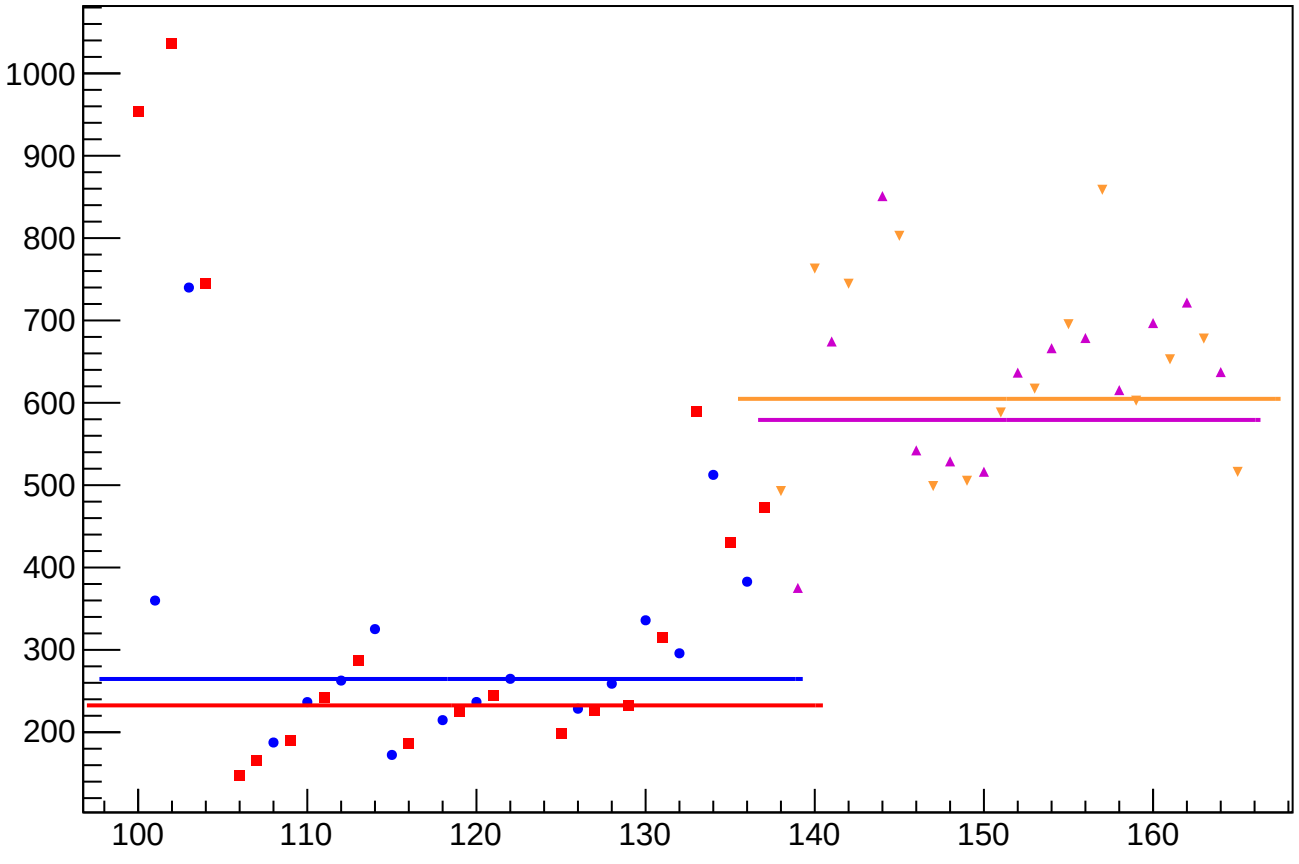
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.012+/-0.181 χ^2/NDF:19.8/12

+ sign 0.079+/-0.092 χ^2/NDF: 28.5/29

All: 0.071+/-0.063 χ^2/NDF: 70.4/60

- sign 0.064+/-0.086 χ^2/NDF: 41.9/30



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 604.821+/-0.132 χ^2/NDF:646196.4/13

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

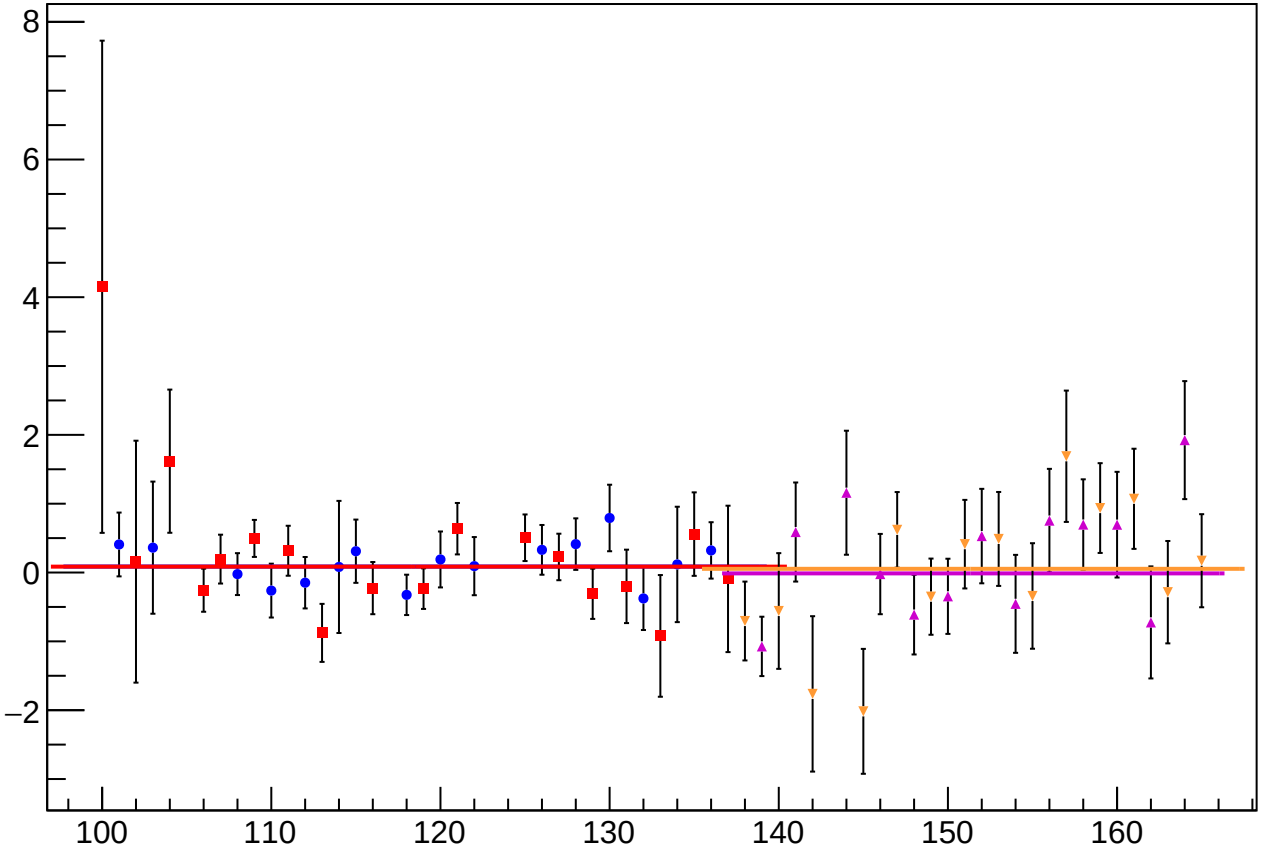
Left In: 579.222+/-0.128 χ^2/NDF:916594.9/12

+ sign 346.401+/-0.065 χ^2/NDF: 6966192.4/29

All: 327.227+/-0.044 χ^2/NDF: 15775241.0/60

- sign 310.433+/-0.061 χ^2/NDF: 8644609.9/30

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: 0.054+/-0.187 χ^2/NDF:19.6/13

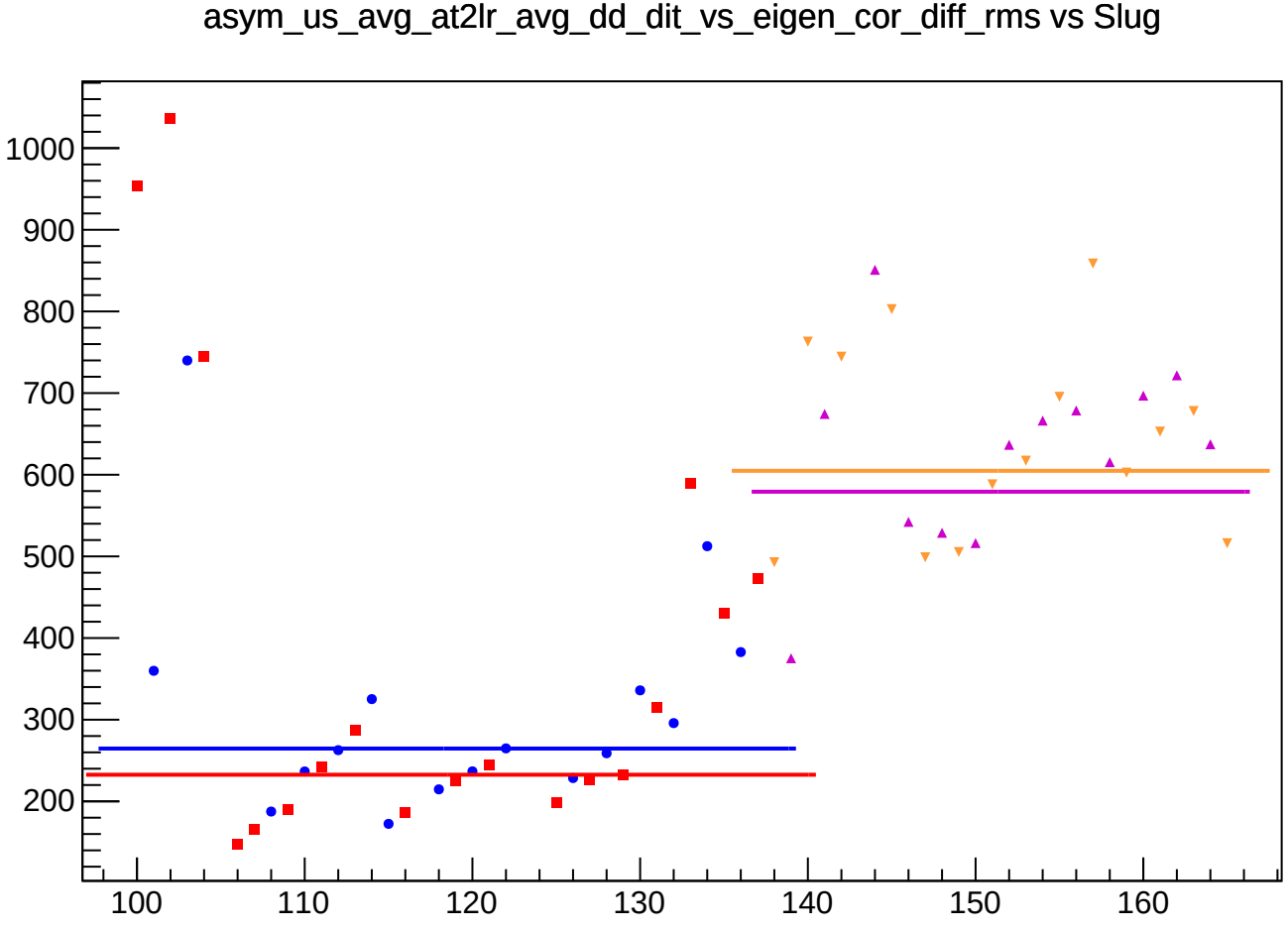
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

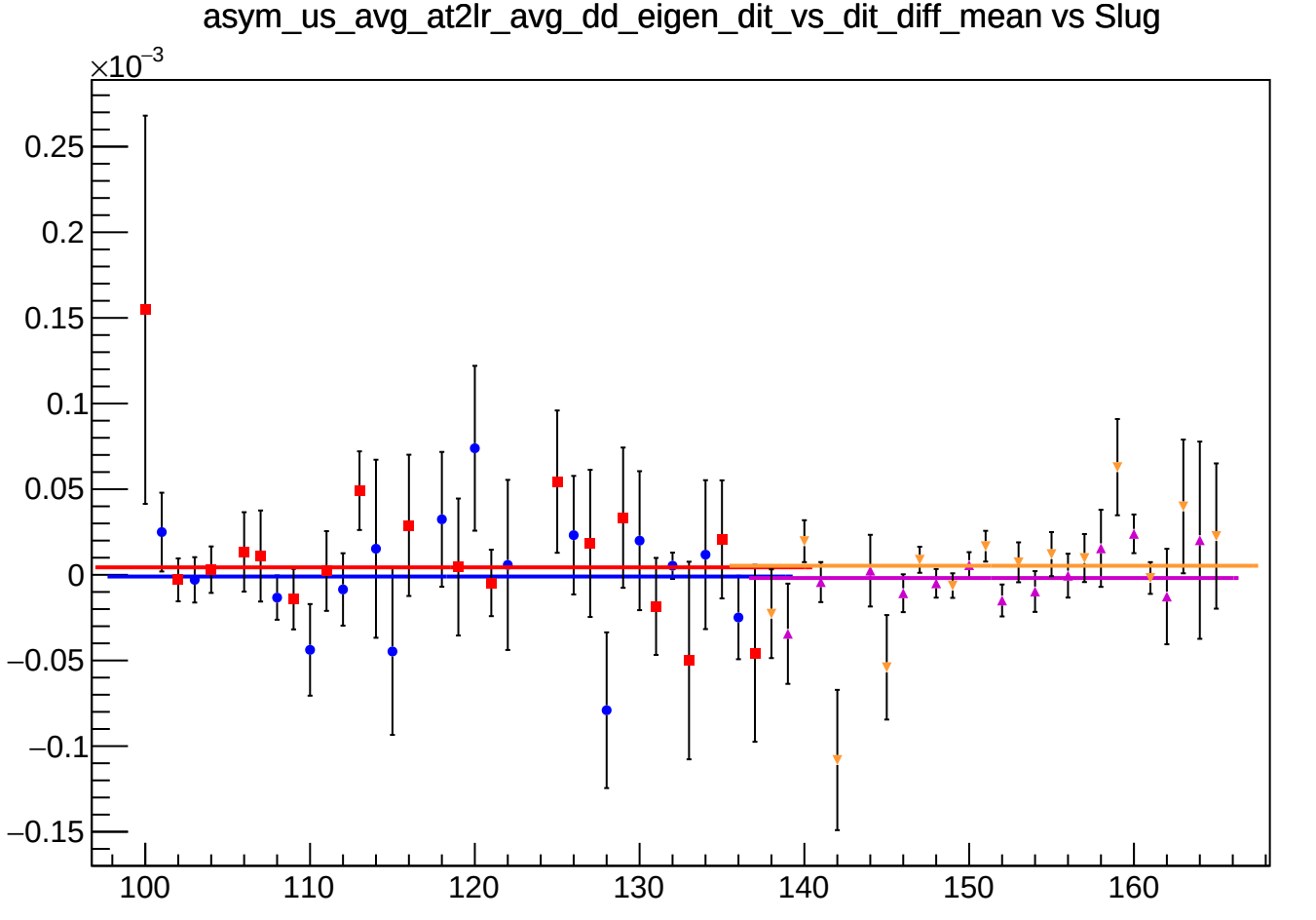
Left In: -0.012+/-0.181 χ^2/NDF:19.8/12

+ sign 0.079+/-0.092 χ^2/NDF: 28.5/29

All: 0.071+/-0.063 χ^2/NDF: 70.4/60

- sign 0.064+/-0.086 χ^2/NDF: 41.9/30


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 604.821+/-0.132 χ²/NDF:646196.4/13
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 579.222+/-0.128 χ²/NDF:916594.9/12
+ sign 346.401+/-0.065 χ²/NDF: 6966192.4/29
All: 327.227+/-0.044 χ²/NDF: 15775241.0/60
- sign 310.433+/-0.061 χ²/NDF: 8644609.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/13

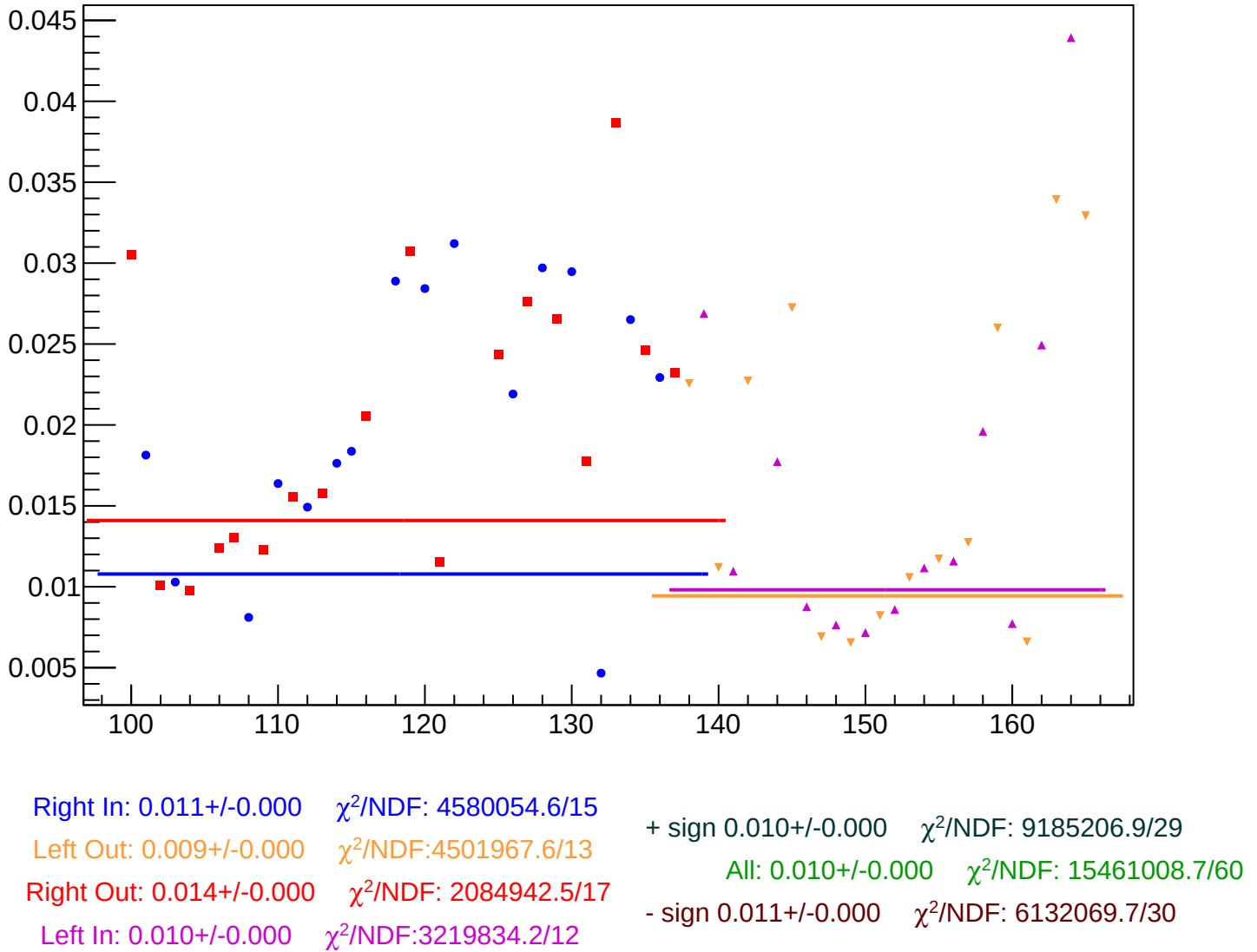
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

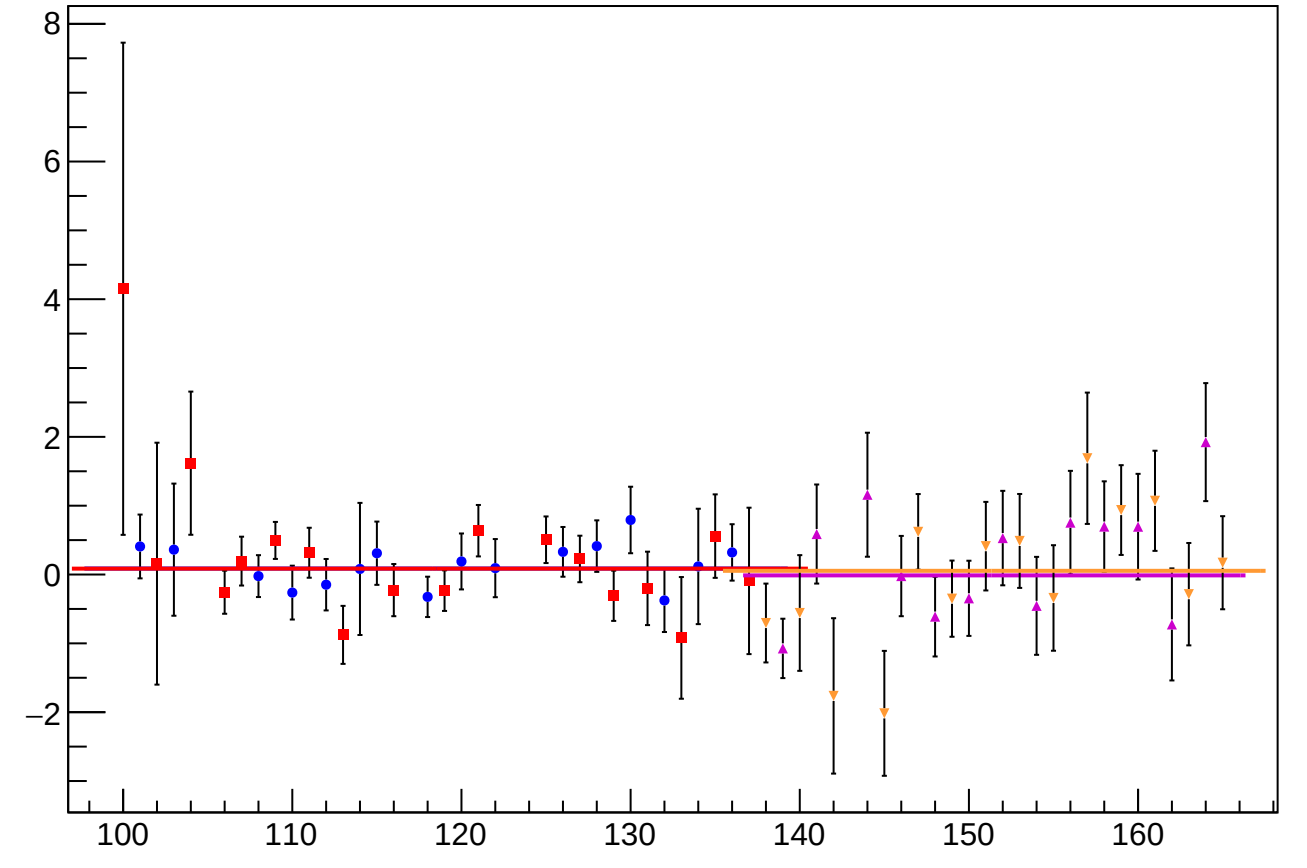
Left In: -0.000+/-0.000 χ^2/NDF:11.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/29

All: 0.000+/-0.000 χ^2/NDF: 66.0/60

- sign -0.000+/-0.000 χ^2/NDF: 25.1/30


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.011+/-0.000 χ²/NDF: 4580054.6/15
Left Out: 0.009+/-0.000 χ²/NDF:4501967.6/13
Right Out: 0.014+/-0.000 χ²/NDF: 2084942.5/17
Left In: 0.010+/-0.000 χ²/NDF:3219834.2/12
+ sign 0.010+/-0.000 χ²/NDF: 9185206.9/29
All: 0.010+/-0.000 χ²/NDF: 15461008.7/60
- sign 0.011+/-0.000 χ²/NDF: 6132069.7/30



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.054+/-0.187 χ^2/NDF:19.6/13

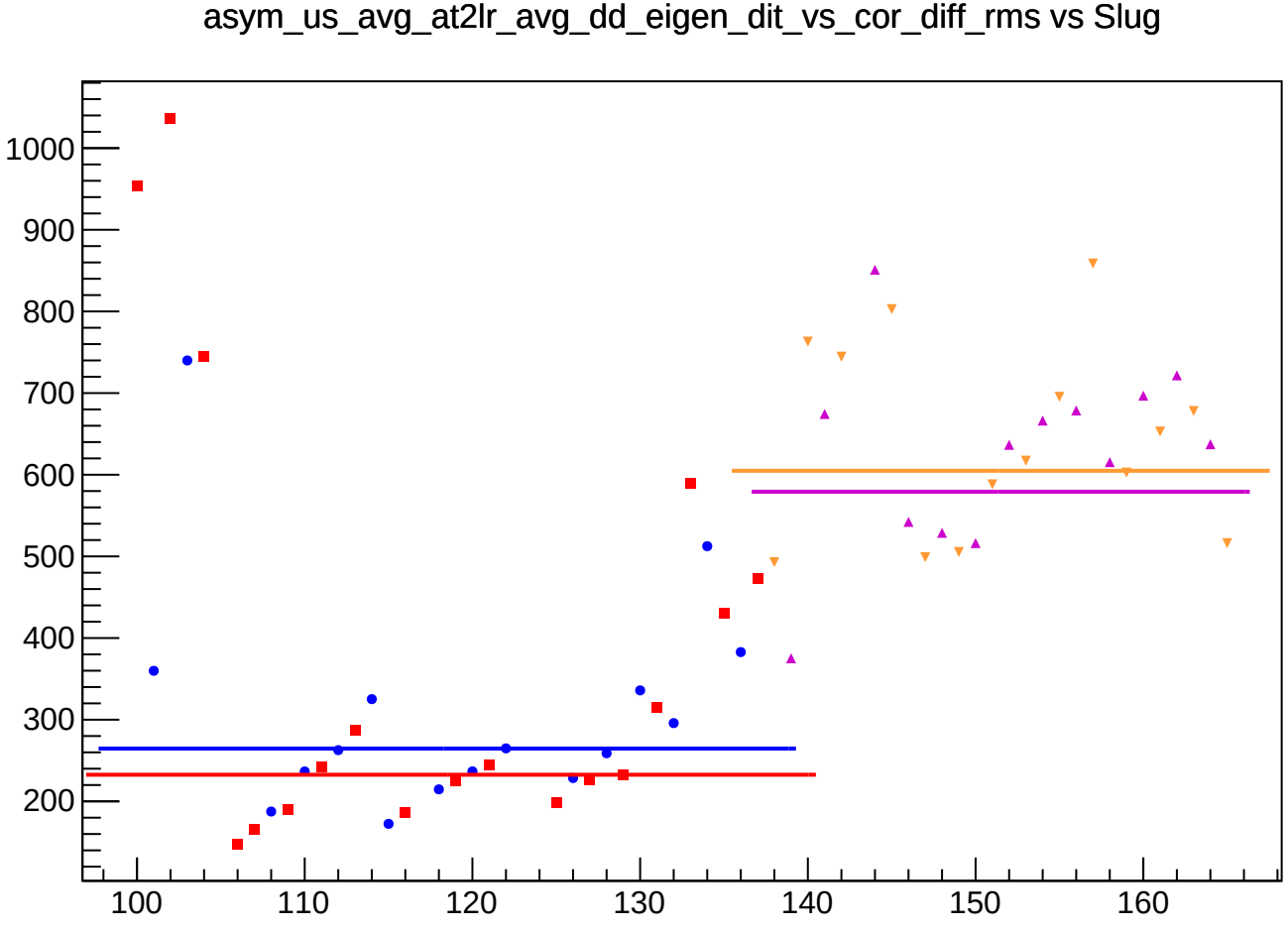
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.012+/-0.181 χ^2/NDF:19.8/12

+ sign 0.079+/-0.092 χ^2/NDF: 28.5/29

All: 0.071+/-0.063 χ^2/NDF: 70.4/60

- sign 0.064+/-0.086 χ^2/NDF: 41.9/30



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 604.830+/-0.132 χ^2/NDF:646198.9/13

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

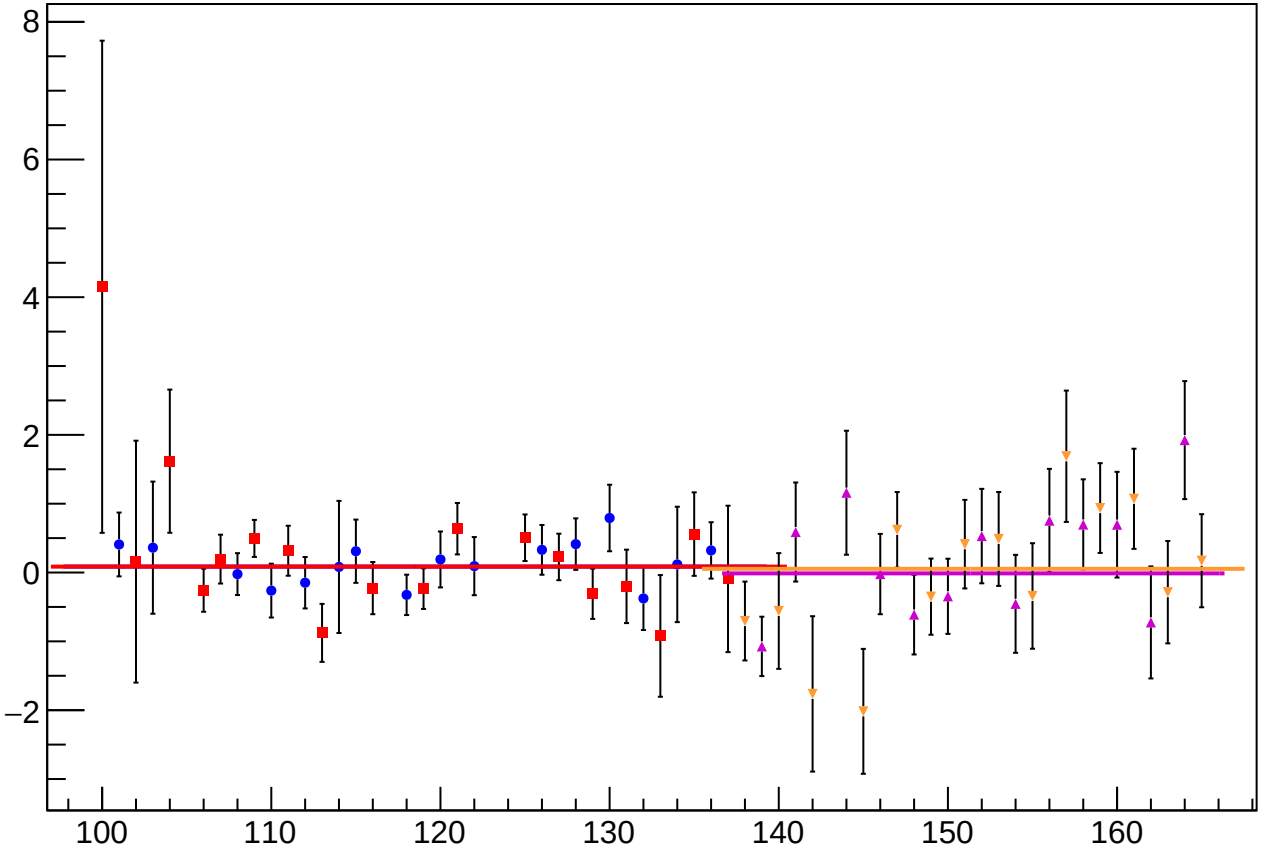
Left In: 579.230+/-0.128 χ^2/NDF:916574.2/12

+ sign 346.401+/-0.065 χ^2/NDF: 6966325.5/29

All: 327.227+/-0.044 χ^2/NDF: 15775467.2/60

- sign 310.433+/-0.061 χ^2/NDF: 8644713.1/30

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.054+/-0.187 χ^2/NDF:19.6/13

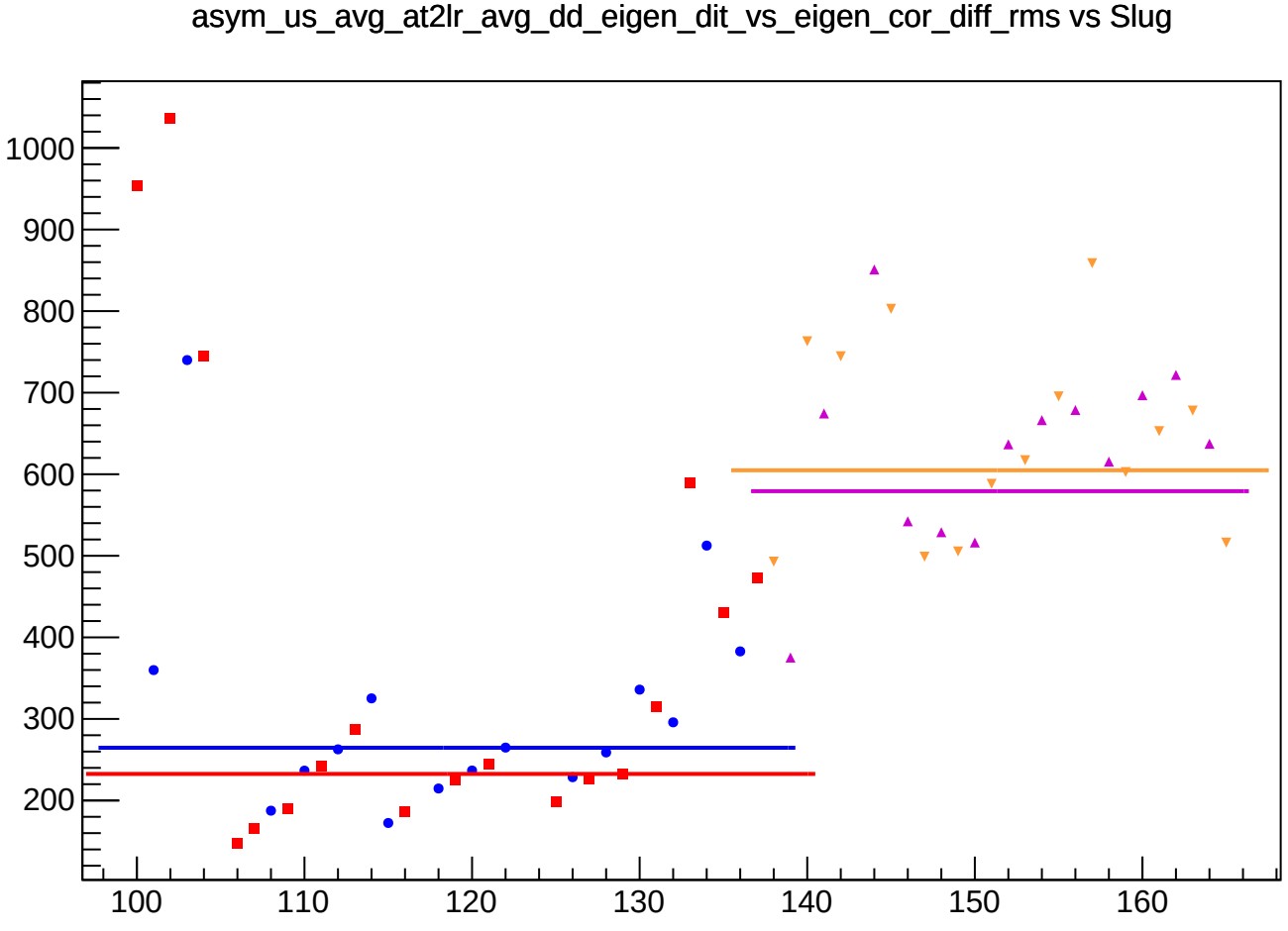
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.012+/-0.181 χ^2/NDF:19.8/12

+ sign 0.079+/-0.092 χ^2/NDF: 28.5/29

All: 0.071+/-0.063 χ^2/NDF: 70.4/60

- sign 0.064+/-0.086 χ^2/NDF: 41.9/30



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 604.830+/-0.132 χ^2/NDF:646198.9/13

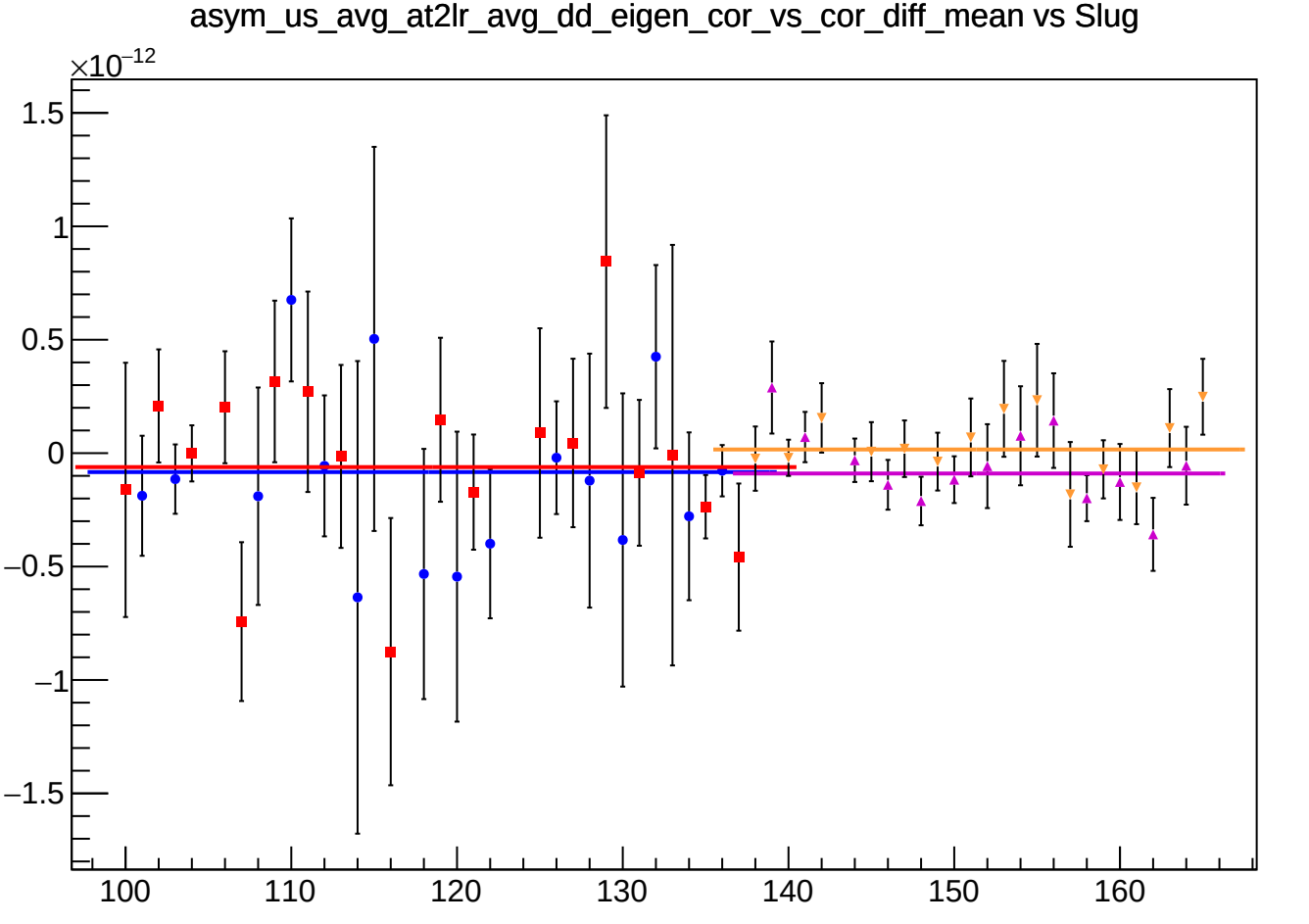
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 579.230+/-0.128 χ^2/NDF:916574.2/12

+ sign 346.401+/-0.065 χ^2/NDF: 6966325.5/29

All: 327.227+/-0.044 χ^2/NDF: 15775467.2/60

- sign 310.433+/-0.061 χ^2/NDF: 8644713.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/13

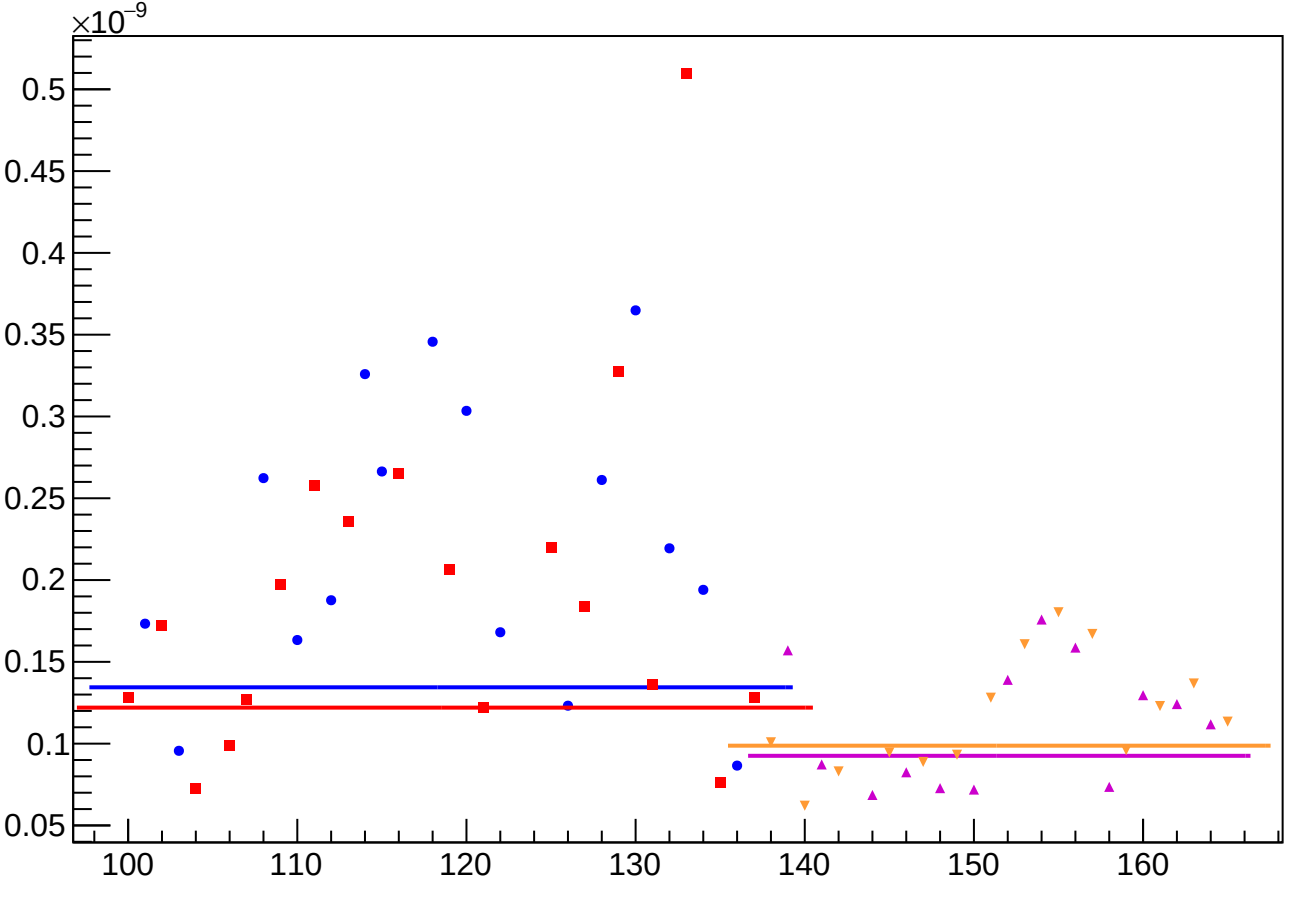
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:13.4/12

+ sign -0.000+/-0.000 χ^2/NDF: 18.7/29

All: -0.000+/-0.000 χ^2/NDF: 50.7/60

- sign -0.000+/-0.000 χ^2/NDF: 29.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1242987.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

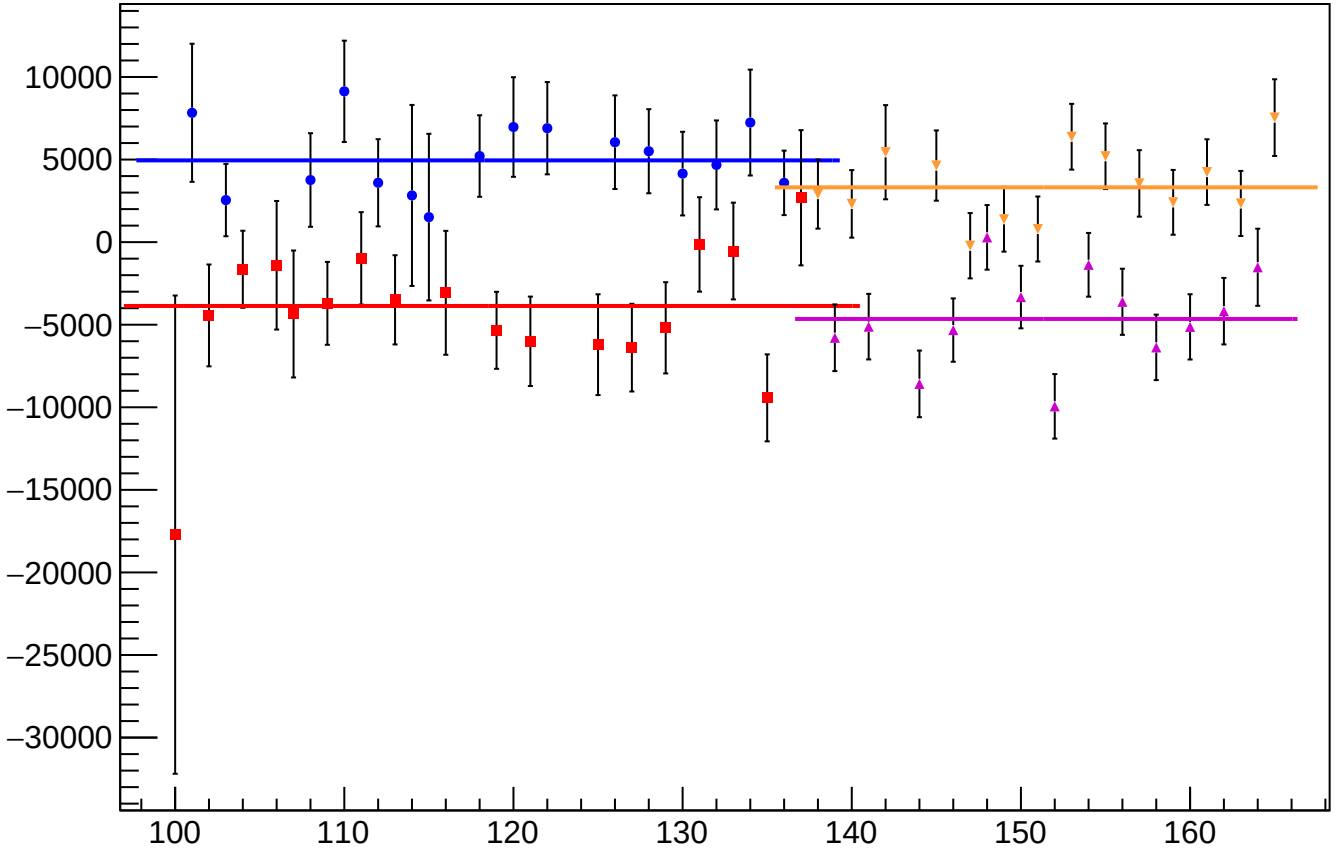
Left In: 0.000+/-0.000 χ^2/NDF:1385796.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3468607.4/29

All: 0.000+/-0.000 χ^2/NDF: 7226258.6/60

- sign 0.000+/-0.000 χ^2/NDF: 3705849.3/30

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3318.062+/-551.102 χ^2/NDF:14.3/13

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

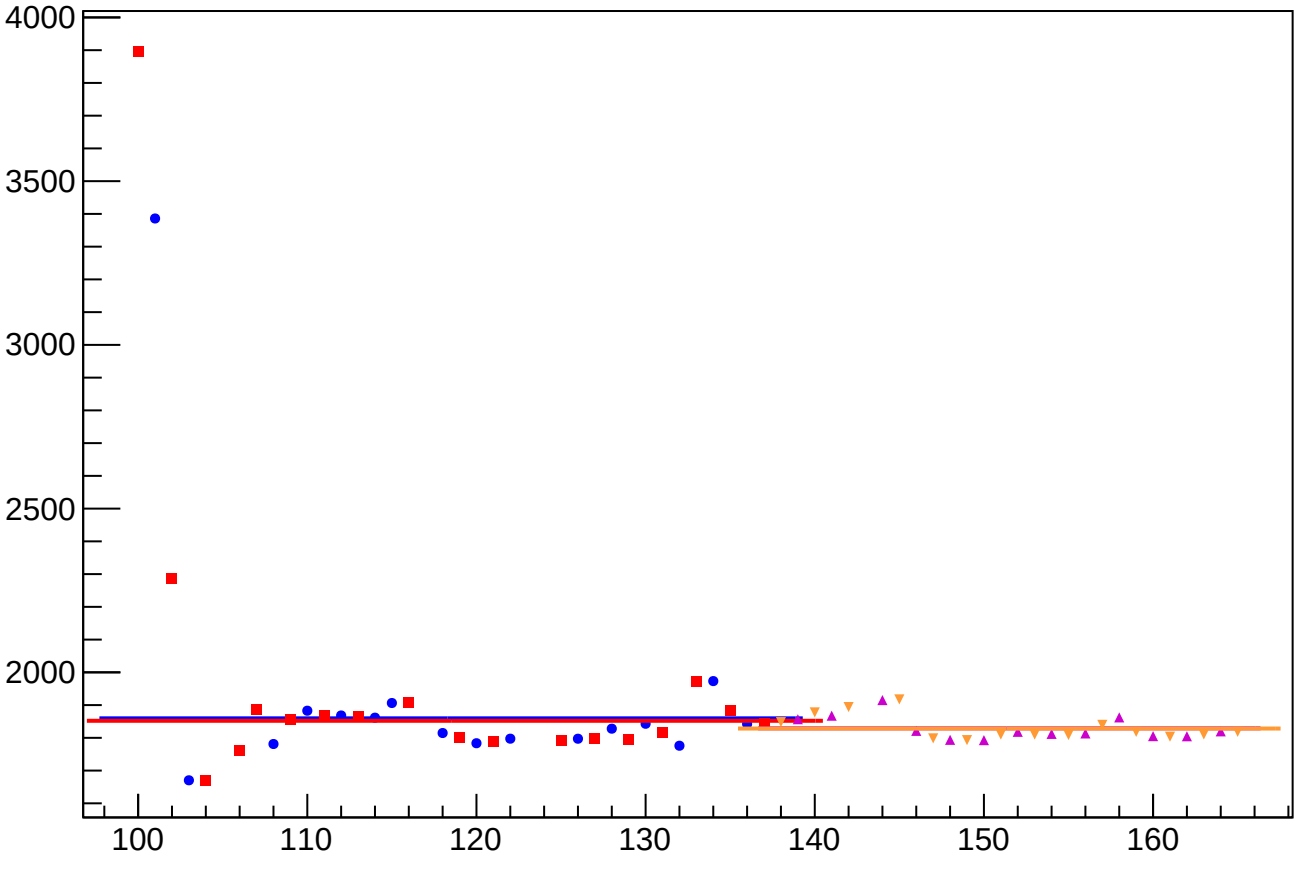
Left In: -4651.709+/-552.325 χ^2/NDF:24.3/12

+ sign 3943.817+/-432.758 χ^2/NDF: 24.5/29

All: -203.493+/-305.948 χ^2/NDF: 249.4/60

- sign -4347.655+/-432.594 χ^2/NDF: 41.3/30

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1828.390+/-0.390 χ^2/NDF:8192.5/13

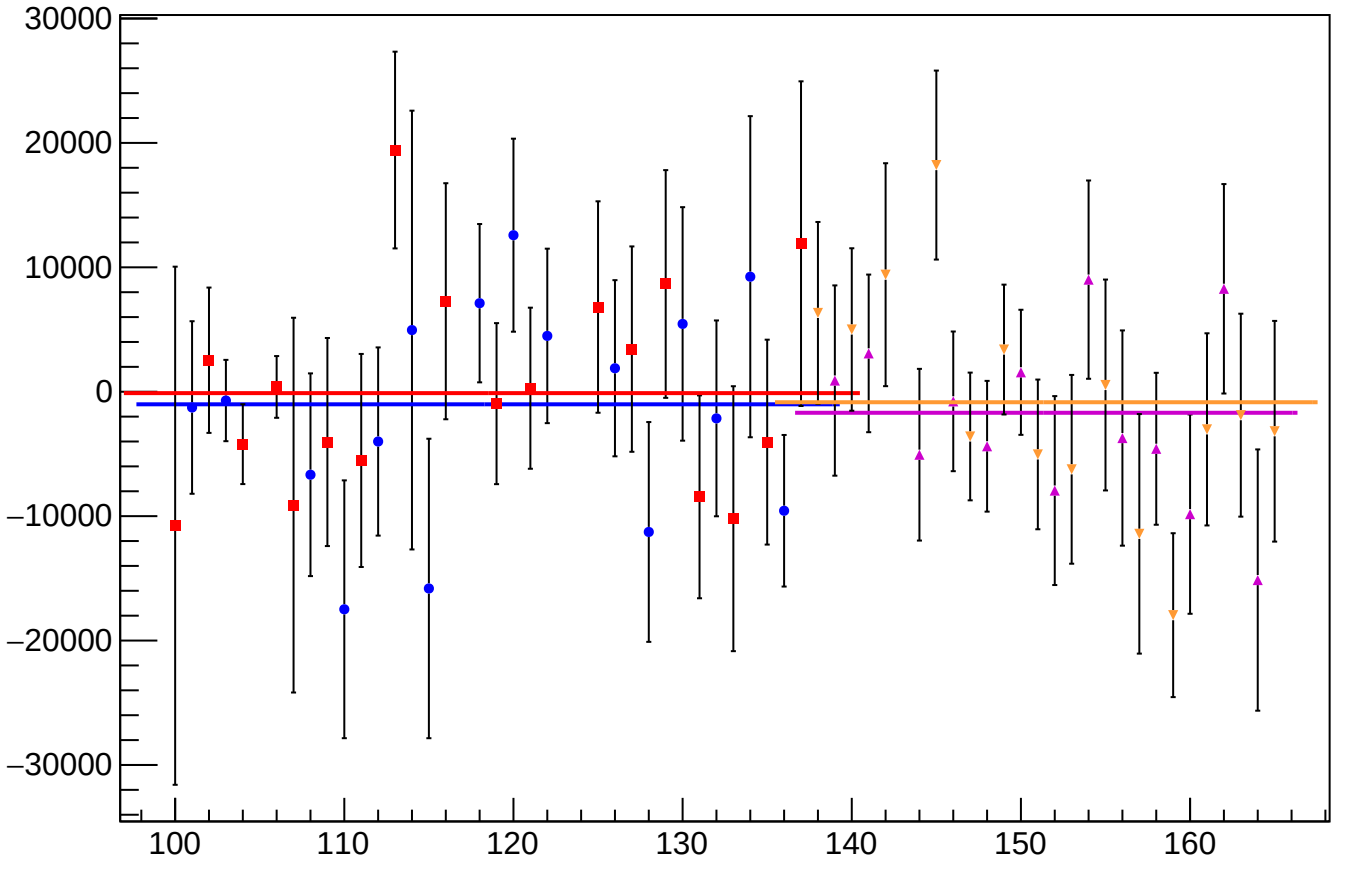
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1829.030+/-0.391 χ^2/NDF:7706.1/12

+ sign 1840.320+/-0.306 χ^2/NDF: 302971.8/29

All: 1839.142+/-0.216 χ^2/NDF: 414269.9/60

- sign 1837.968+/-0.306 χ^2/NDF: 111268.4/30



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -844.083+/-1876.796 χ^2/NDF:19.5/13

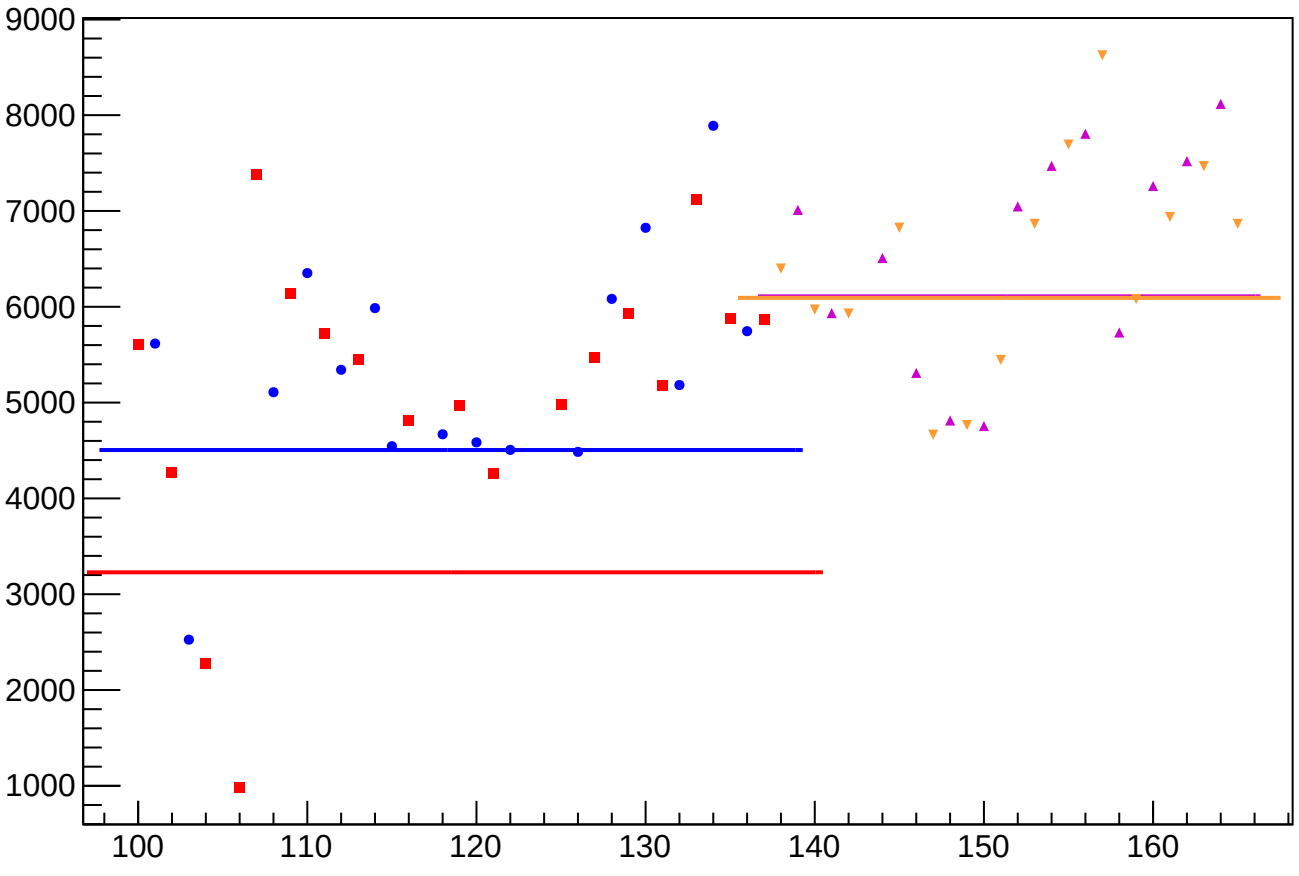
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1691.470+/-1881.150 χ^2/NDF:8.5/12

+ sign -932.321+/-1285.433 χ^2/NDF: 34.2/29

All: -799.392+/-854.034 χ^2/NDF: 57.8/60

- sign -694.345+/-1142.699 χ^2/NDF: 23.5/30



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6093.213+/-1.327 χ^2/NDF:656977.6/13

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

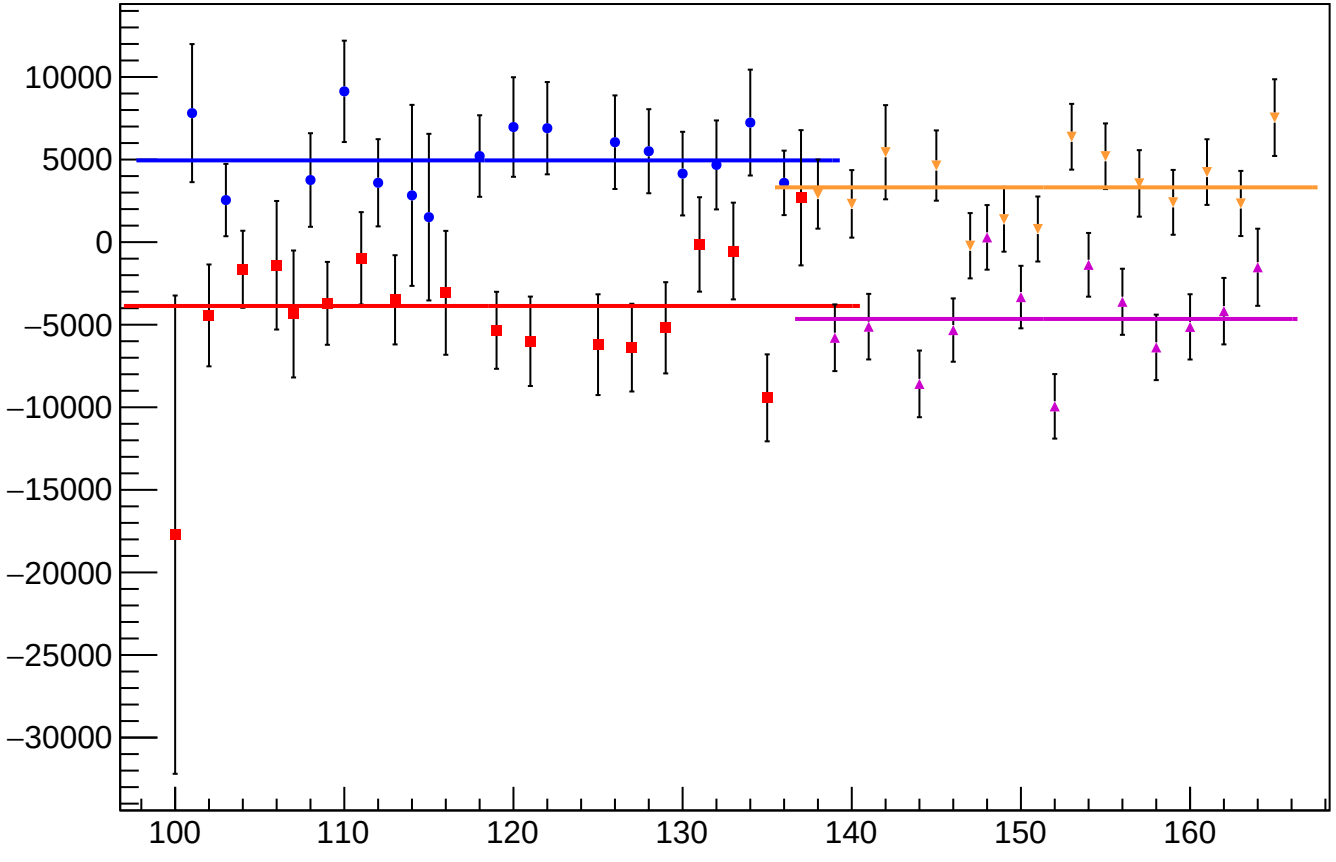
Left In: 6108.896+/-1.330 χ^2/NDF:687451.6/12

+ sign 5249.917+/-0.909 χ^2/NDF: 2738658.0/29

All: 4714.512+/-0.604 χ^2/NDF: 10962304.7/6

- sign 4291.409+/-0.808 χ^2/NDF: 7602478.6/30

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3317.959+/-551.102 χ^2/NDF:14.3/13

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

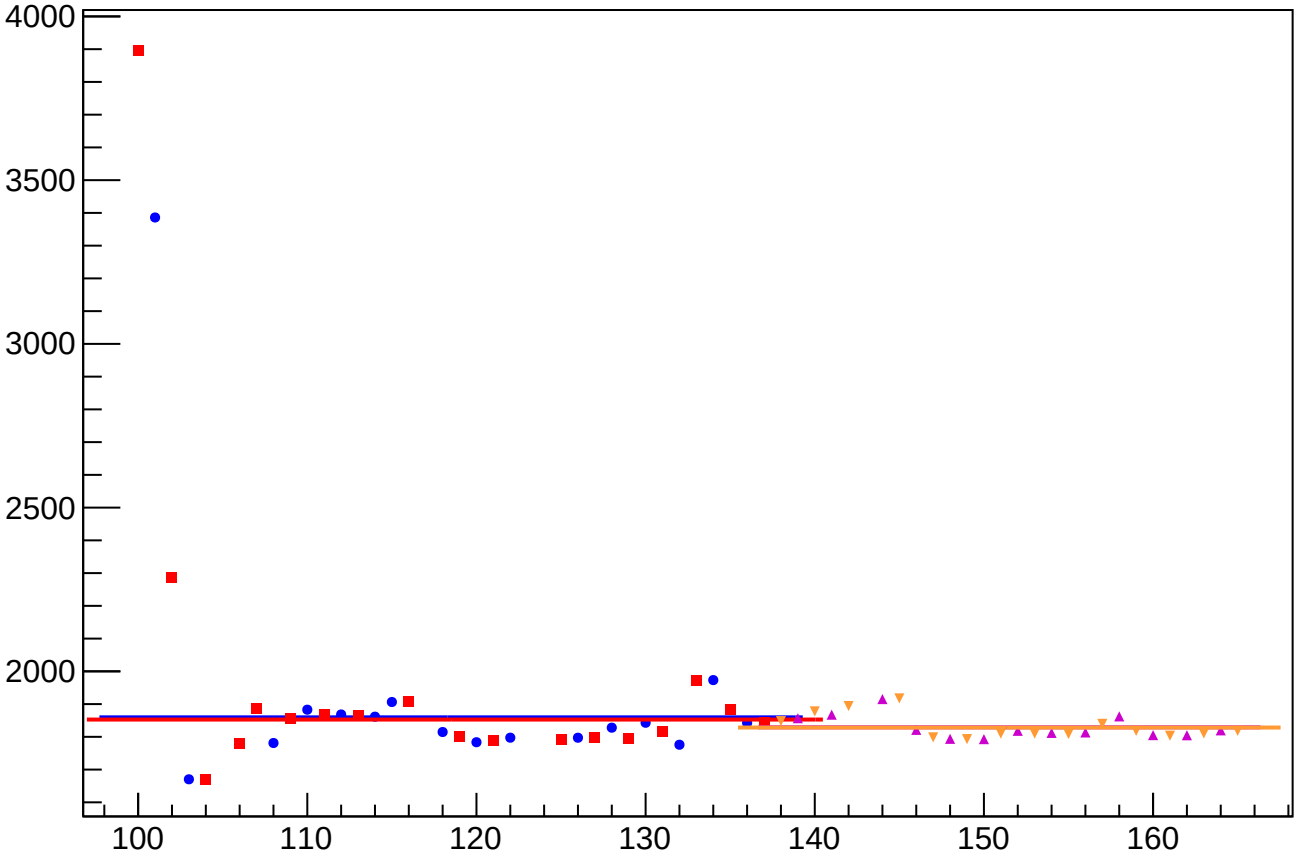
Left In: -4651.850+/-552.325 χ^2/NDF:24.3/12

+ sign 3943.569+/-432.758 χ^2/NDF: 24.5/29

All: -203.619+/-305.948 χ^2/NDF: 249.4/60

- sign -4347.658+/-432.594 χ^2/NDF: 41.3/30

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1828.390+/-0.390 χ^2/NDF:8192.5/13

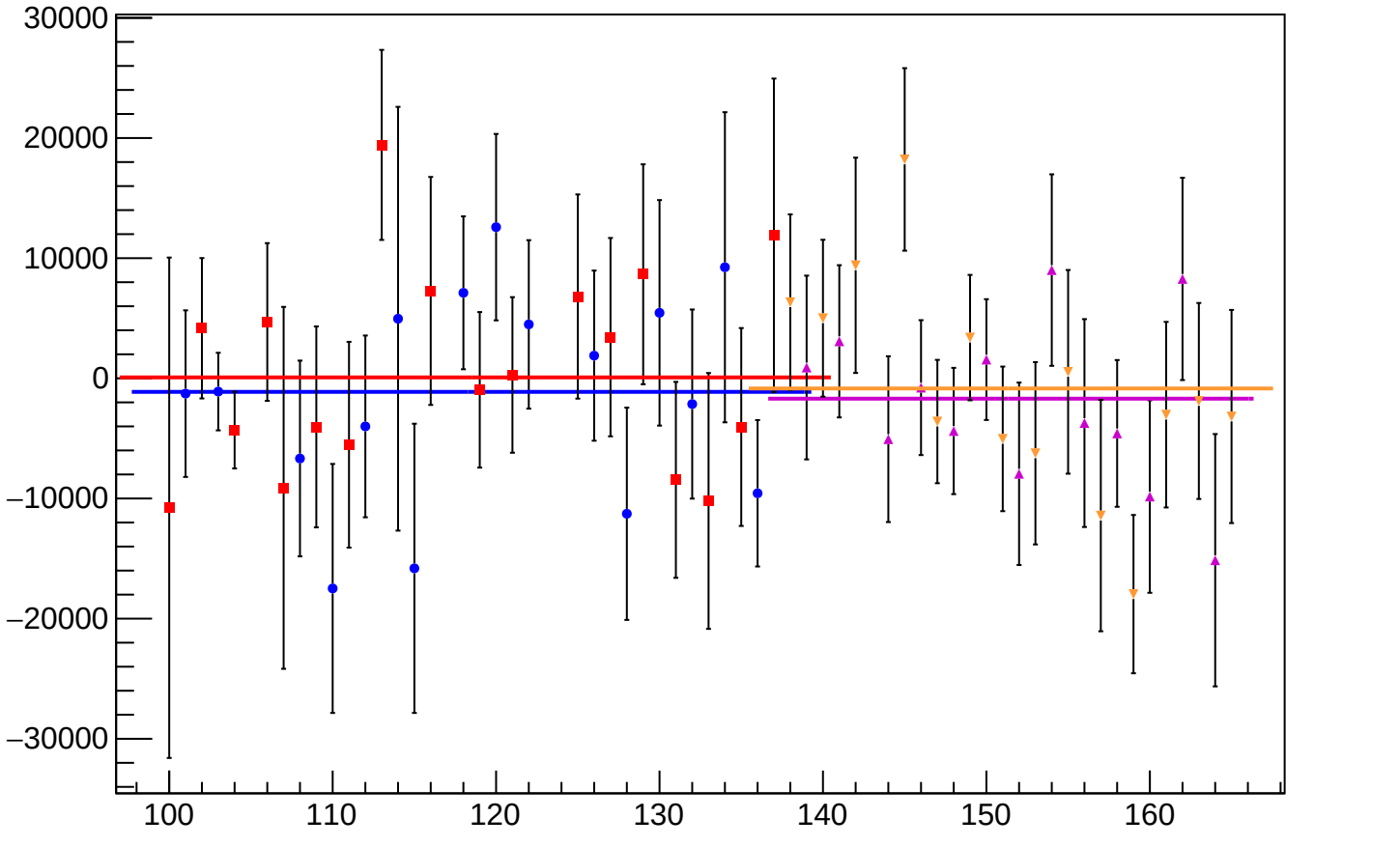
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1829.030+/-0.391 χ^2/NDF:7706.1/12

+ sign 1840.320+/-0.306 χ^2/NDF: 302973.7/29

All: 1839.278+/-0.216 χ^2/NDF: 413886.7/60

- sign 1838.238+/-0.306 χ^2/NDF: 110889.8/30



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -844.161+/-1876.795 χ^2/NDF:19.5/13

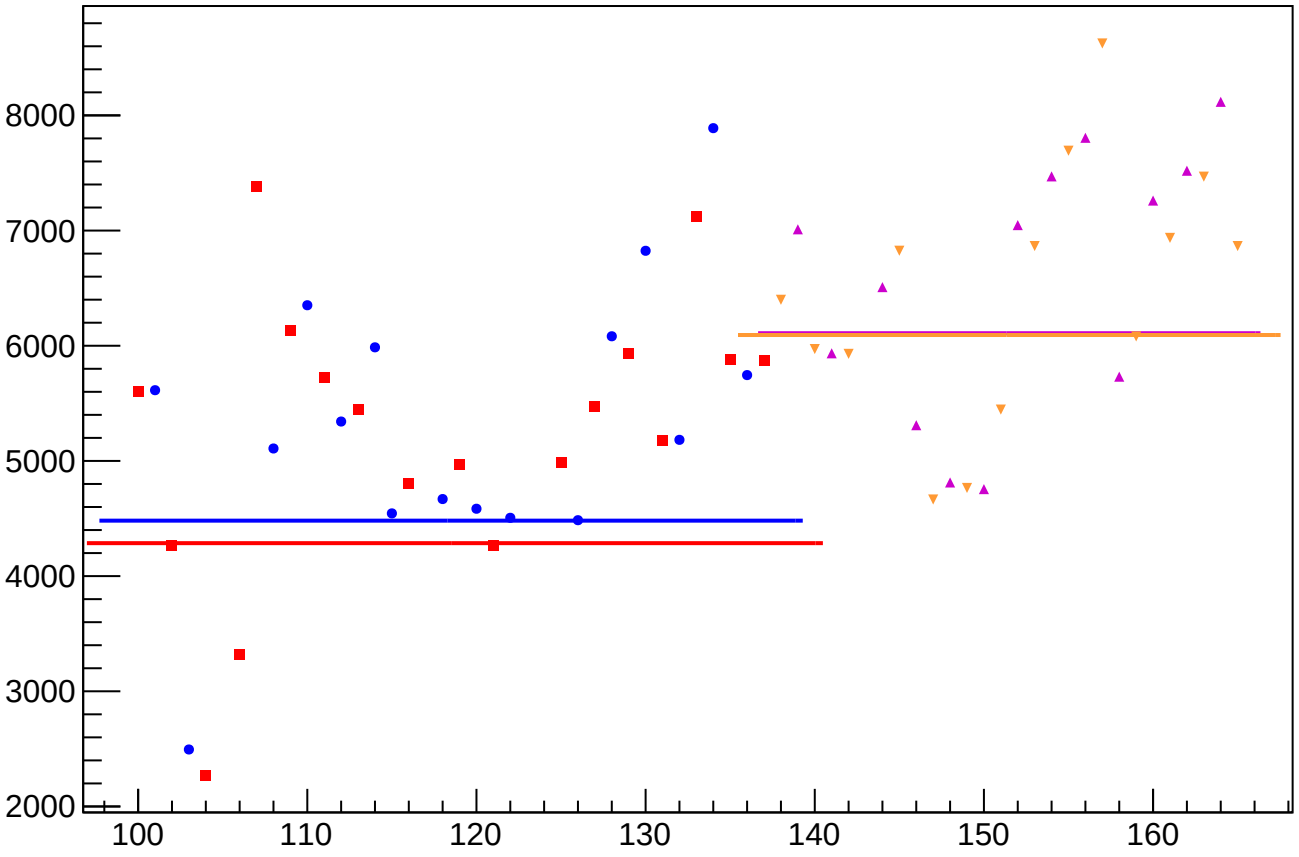
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1691.648+/-1881.151 χ^2/NDF:8.5/12

+ sign -994.061+/-1282.988 χ^2/NDF: 34.2/29

All: -854.112+/-899.796 χ^2/NDF: 58.7/60

- sign -718.645+/-1262.273 χ^2/NDF: 24.5/30



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6093.209+/-1.327 χ^2/NDF:656985.7/13

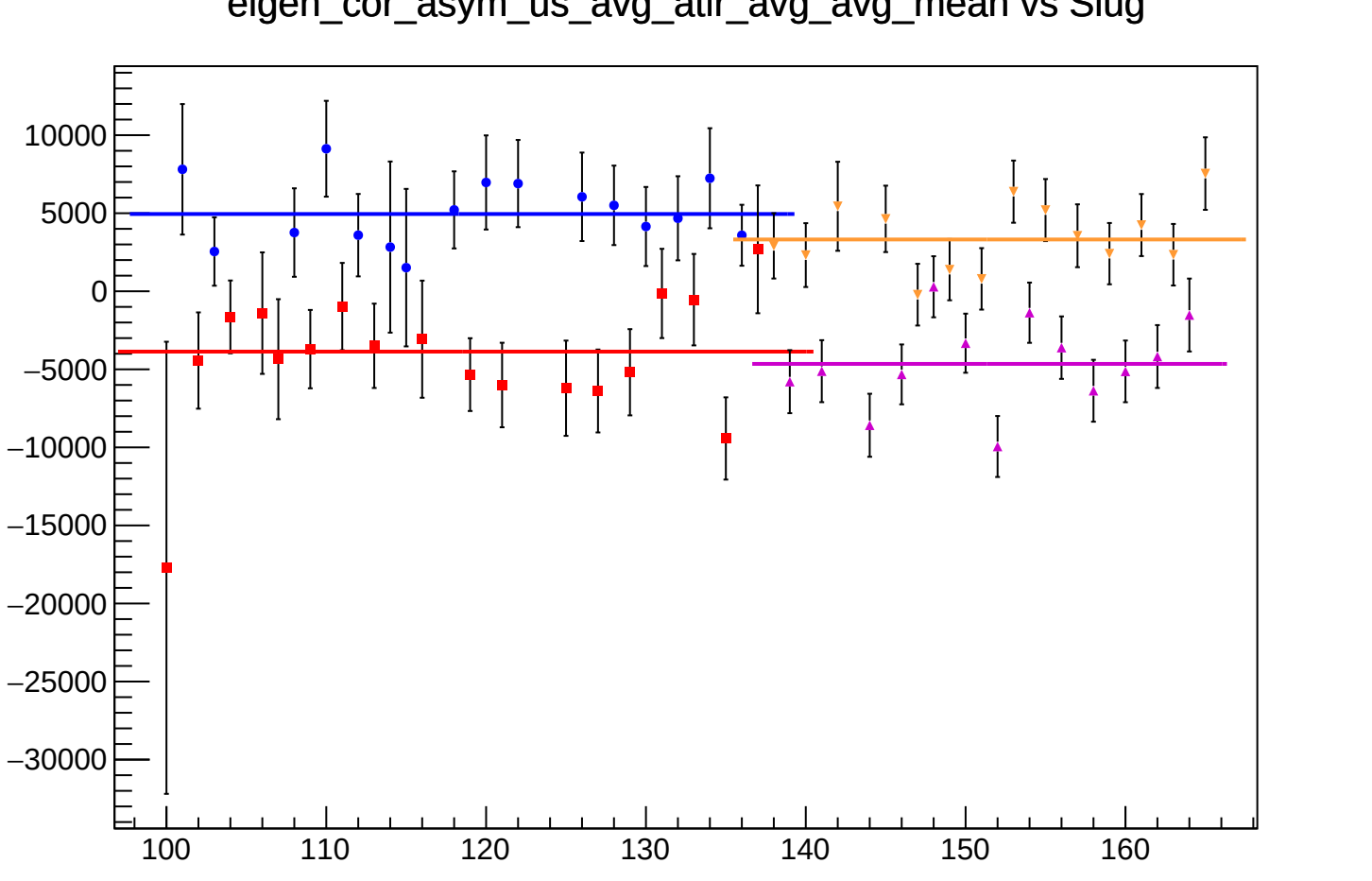
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6108.896+/-1.330 χ^2/NDF:687458.8/12

+ sign 5234.689+/-0.907 χ^2/NDF: 2804889.6/29

All: 5169.723+/-0.636 χ^2/NDF: 6084597.2/60

- sign 5106.838+/-0.893 χ^2/NDF: 3269615.7/30



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3317.959+/-551.102 χ^2/NDF:14.3/13

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

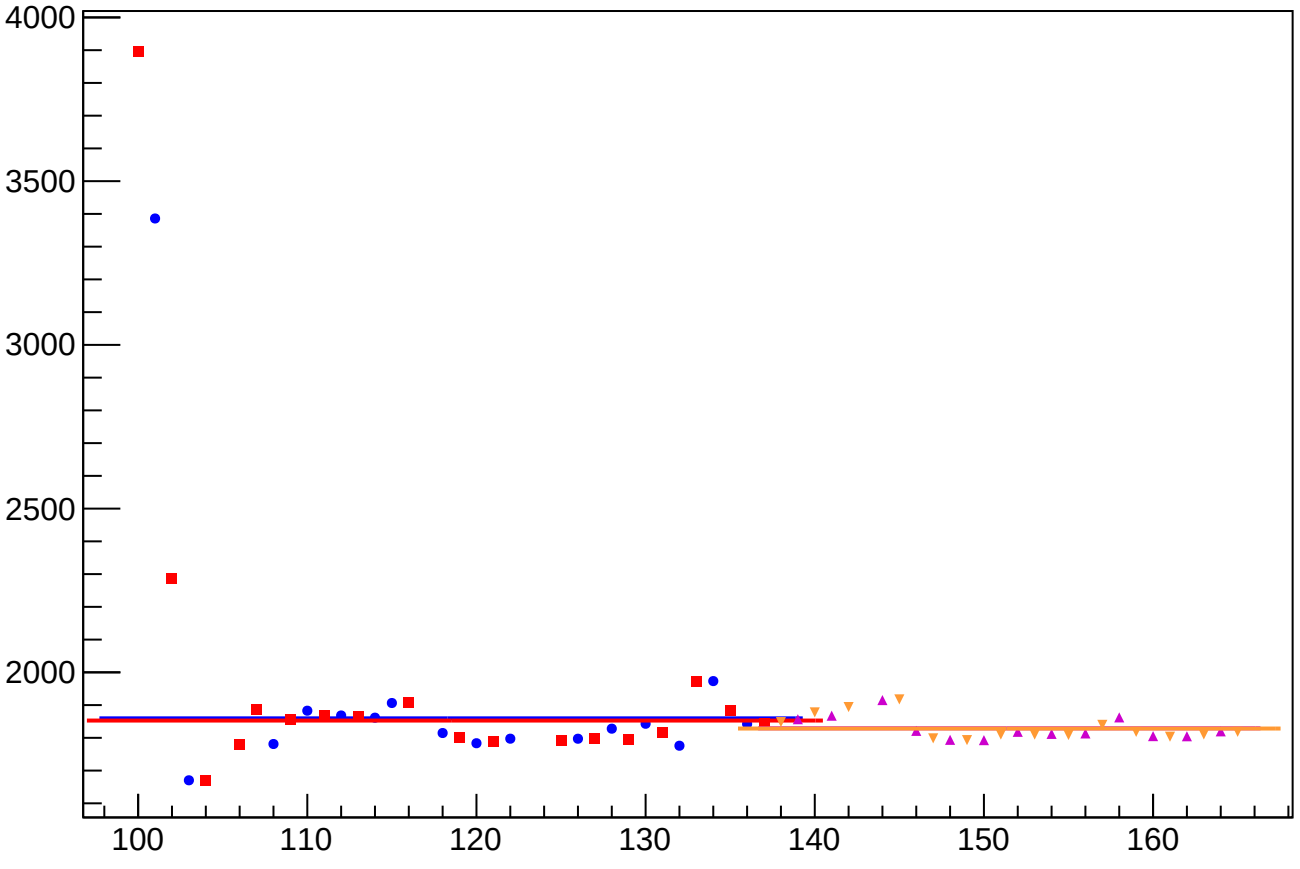
Left In: -4651.850+/-552.325 χ^2/NDF:24.3/12

+ sign 3943.569+/-432.758 χ^2/NDF: 24.5/29

All: -203.619+/-305.948 χ^2/NDF: 249.4/60

- sign -4347.658+/-432.594 χ^2/NDF: 41.3/30

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: 1828.390+/-0.390 χ^2/NDF:8192.5/13

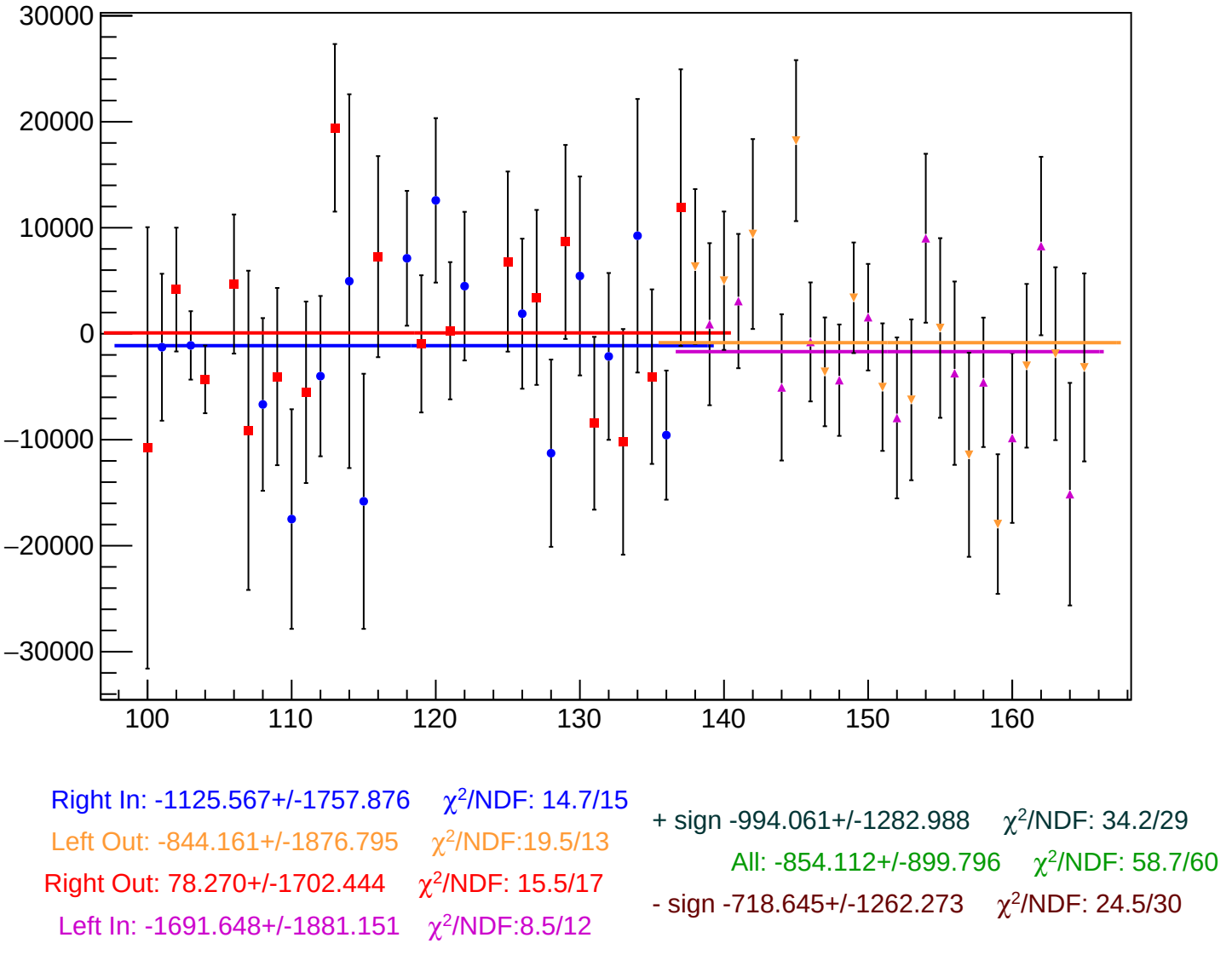
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

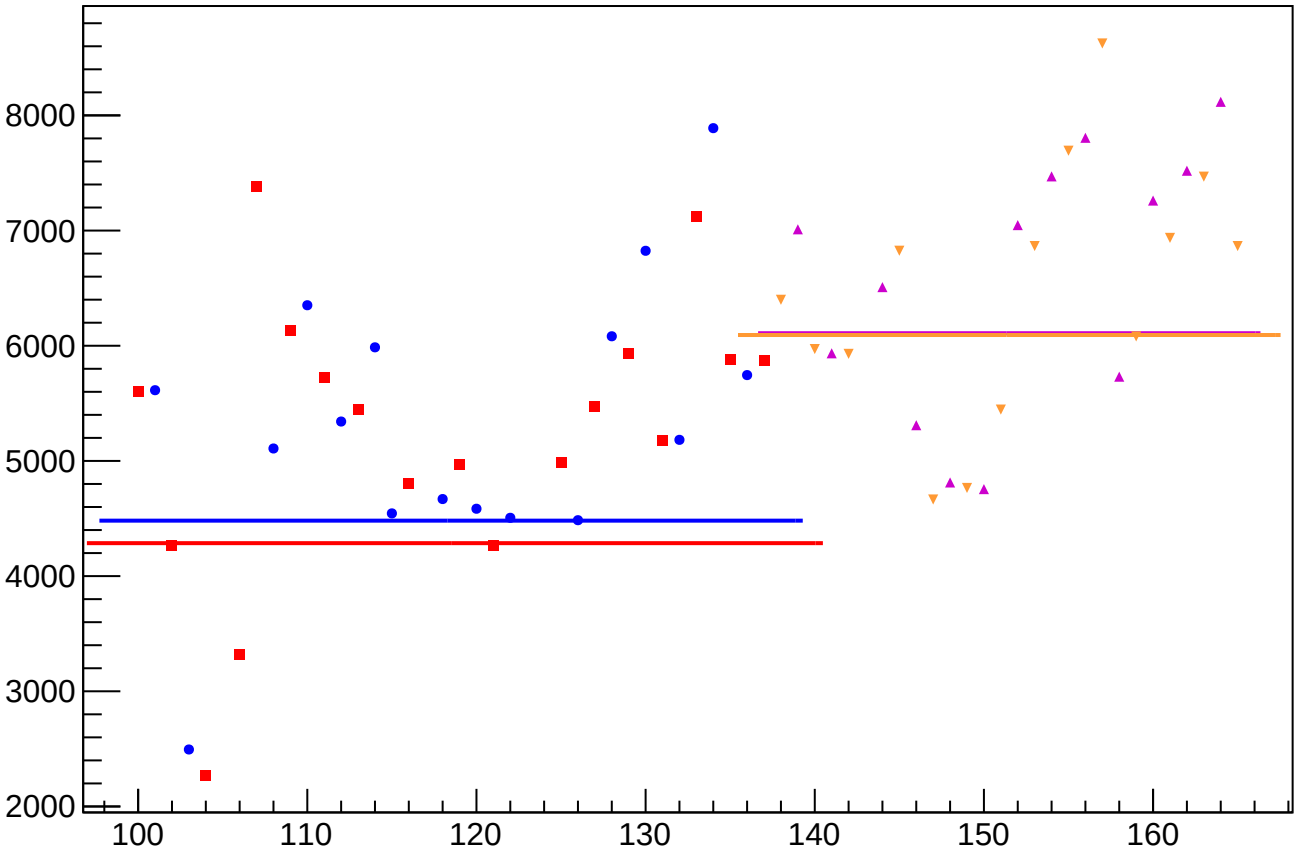
Left In: 1829.030+/-0.391 χ^2/NDF:7706.1/12

+ sign 1840.320+/-0.306 χ^2/NDF: 302973.7/29

All: 1839.278+/-0.216 χ^2/NDF: 413886.7/60

- sign 1838.238+/-0.306 χ^2/NDF: 110889.8/30


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: -844.161+/-1876.795 χ²/NDF:19.5/13
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -1691.648+/-1881.151 χ²/NDF:8.5/12
+ sign -994.061+/-1282.988 χ²/NDF: 34.2/29
All: -854.112+/-899.796 χ²/NDF: 58.7/60
- sign -718.645+/-1262.273 χ²/NDF: 24.5/30



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6093.209+/-1.327 χ^2/NDF:656985.7/13

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

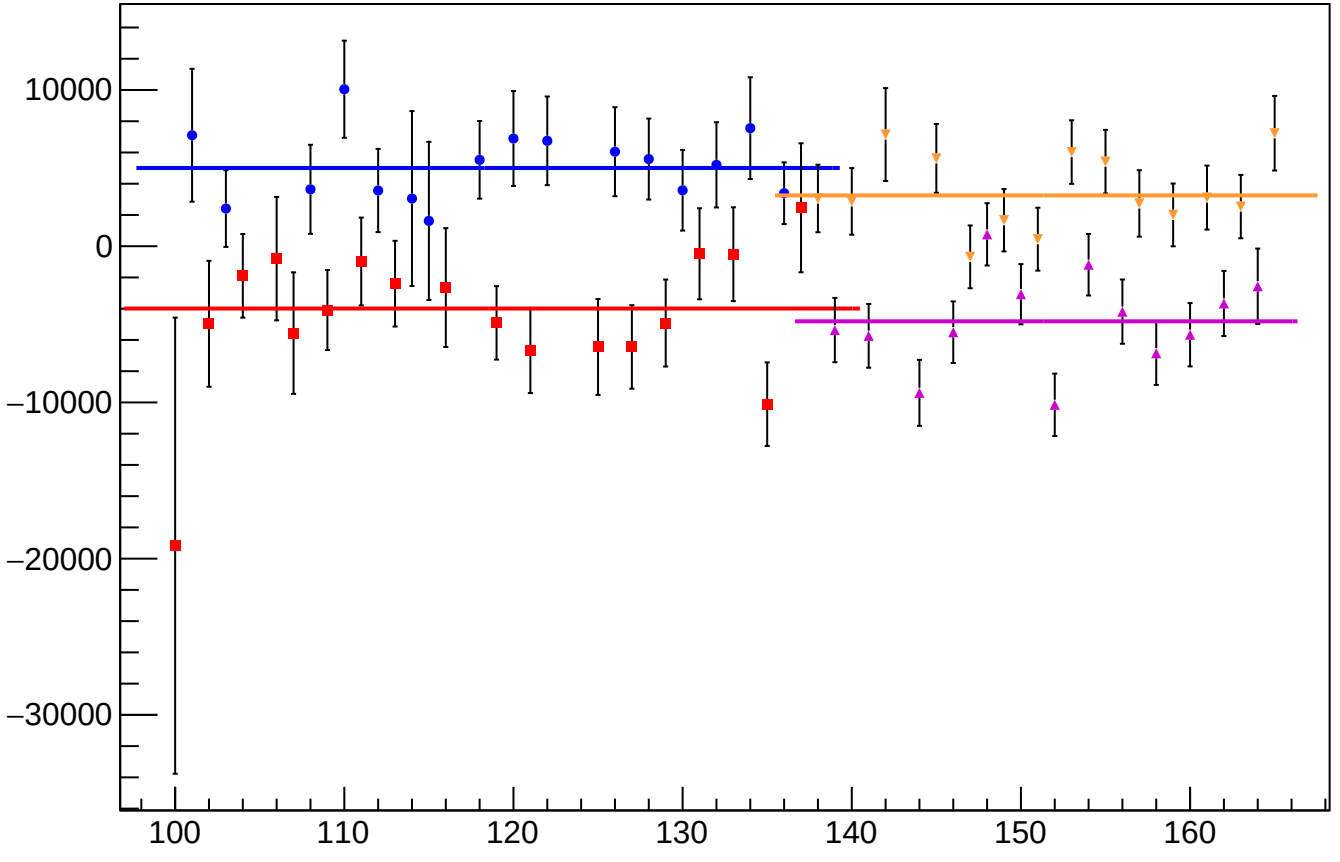
Left In: 6108.896+/-1.330 χ^2/NDF:687458.8/12

+ sign 5234.689+/-0.907 χ^2/NDF: 2804889.6/29

All: 5169.723+/-0.636 χ^2/NDF: 6084597.2/60

- sign 5106.838+/-0.893 χ^2/NDF: 3269615.7/30

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3252.273+/-567.435 χ^2/NDF:15.6/13

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

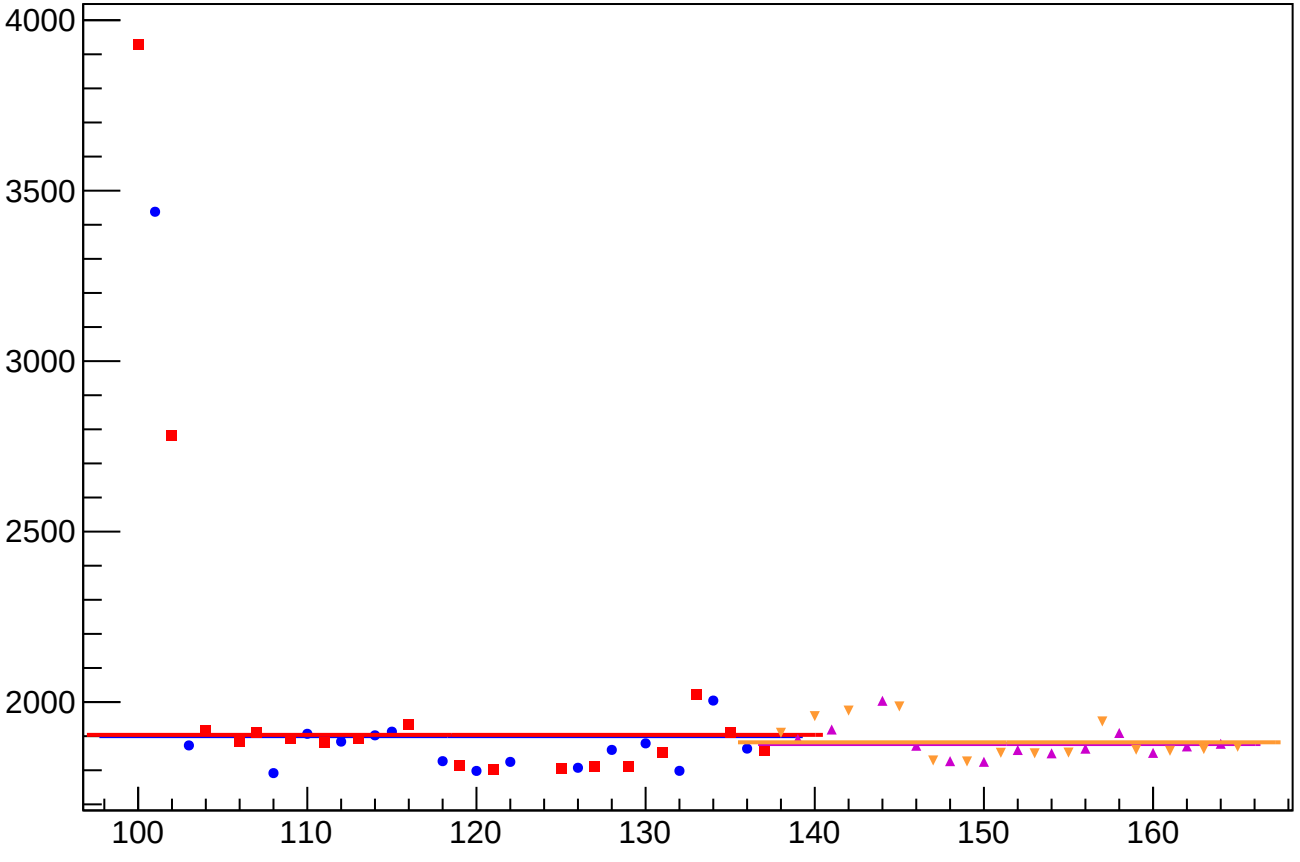
Left In: -4808.137+/-566.889 χ^2/NDF:26.7/12

+ sign 3931.581+/-444.248 χ^2/NDF: 27.0/29

All: -272.573+/-314.456 χ^2/NDF: 251.4/60

- sign -4494.217+/-445.171 χ^2/NDF: 44.9/30

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1882.002+/-0.401 χ^2/NDF:16252.5/13

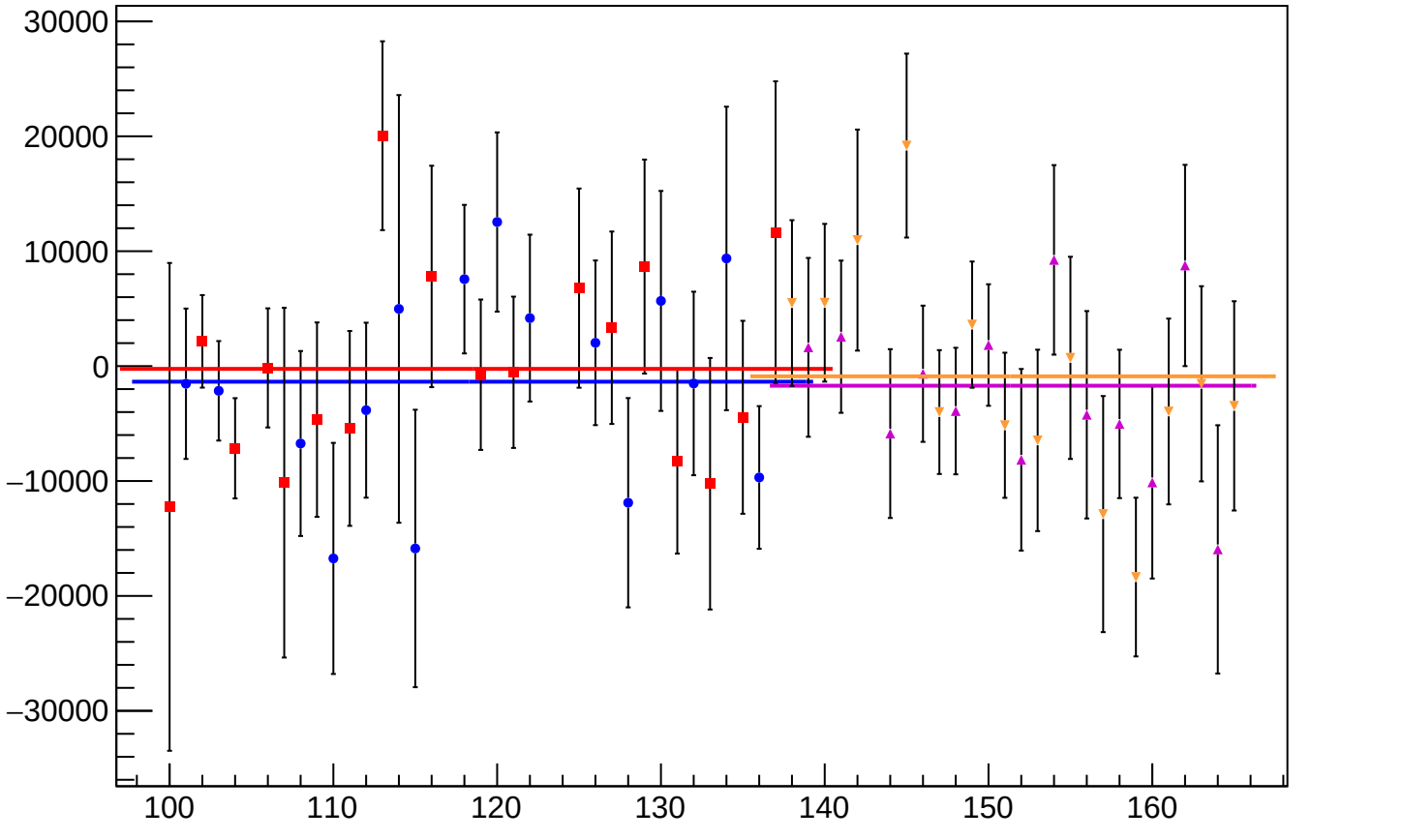
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1876.895+/-0.401 χ^2/NDF:12418.4/12

+ sign 1889.012+/-0.314 χ^2/NDF: 295489.1/29

All: 1888.123+/-0.222 χ^2/NDF: 459772.1/60

- sign 1887.232+/-0.315 χ^2/NDF: 164267.0/30



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -889.093+/-1960.434 χ^2/NDF:19.4/13

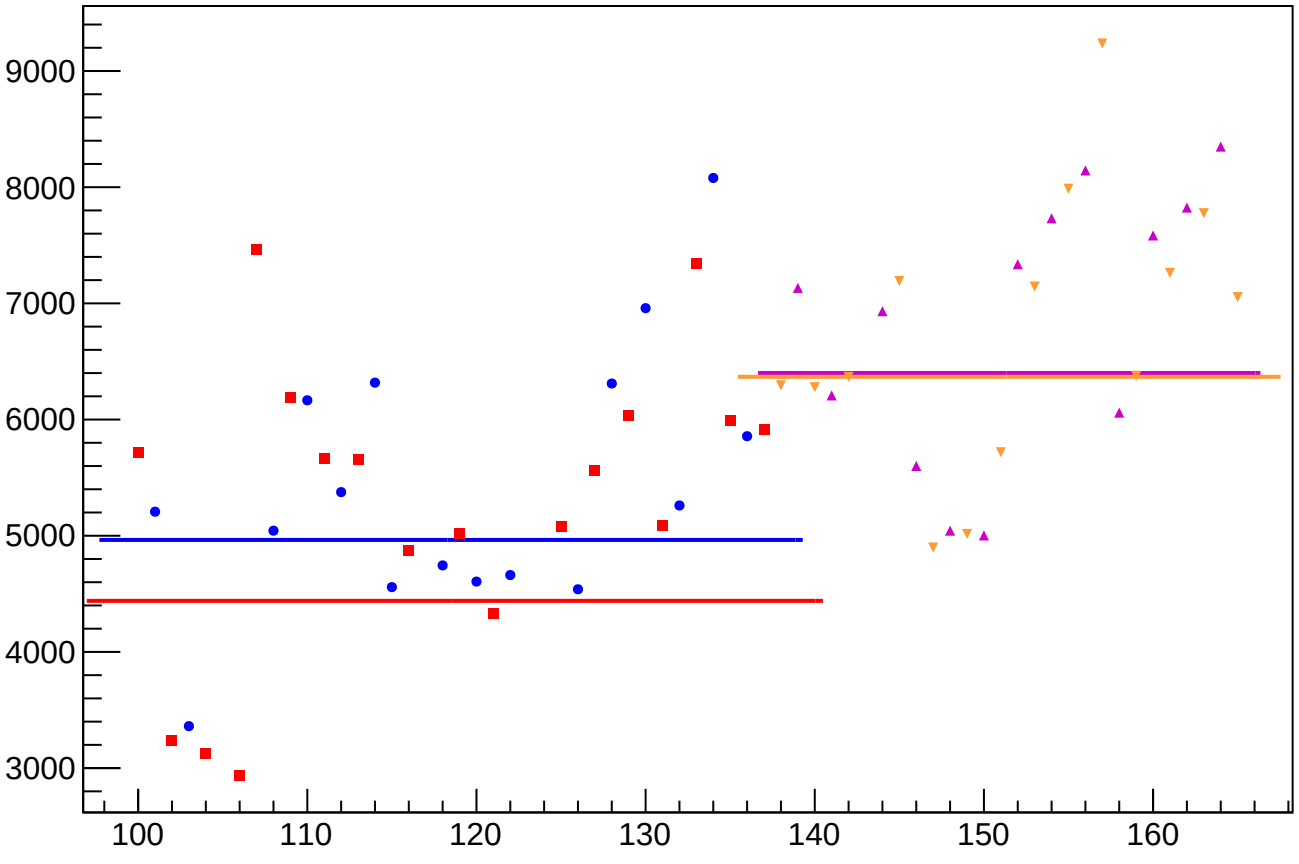
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1707.372+/-1969.018 χ^2/NDF:8.5/12

+ sign -1130.664+/-1362.881 χ^2/NDF: 34.2/29

All: -994.808+/-937.730 χ^2/NDF: 58.8/60

- sign -872.670+/-1292.239 χ^2/NDF: 24.6/30



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6368.167+/-1.386 χ^2/NDF:646834.9/13

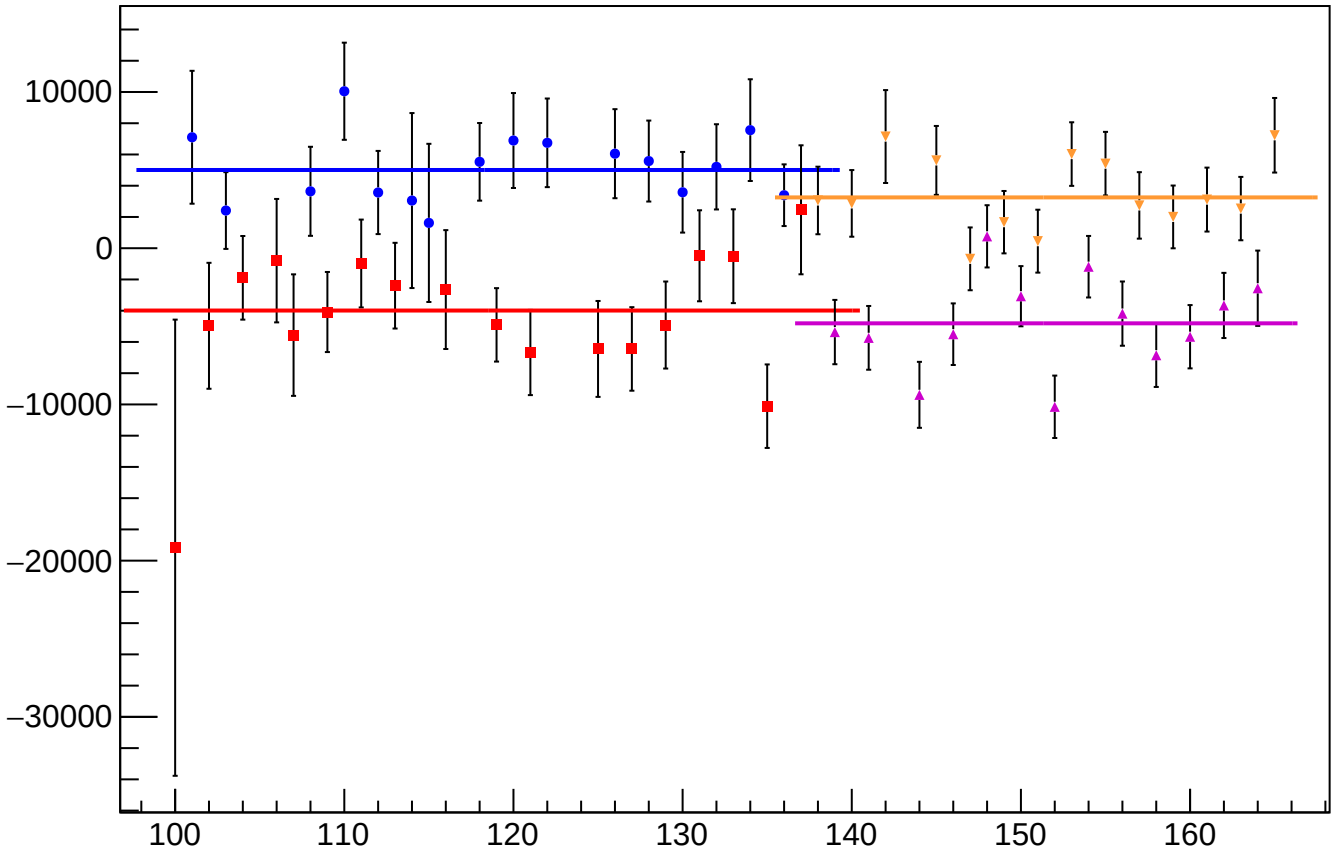
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6400.872+/-1.392 χ^2/NDF:646045.4/12

+ sign 5642.624+/-0.964 χ^2/NDF: 1804372.5/29

All: 5453.979+/-0.663 χ^2/NDF: 4811245.1/60

- sign 5284.384+/-0.914 χ^2/NDF: 2934106.0/30



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3252.262+/-567.436 χ^2/NDF:15.6/13

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

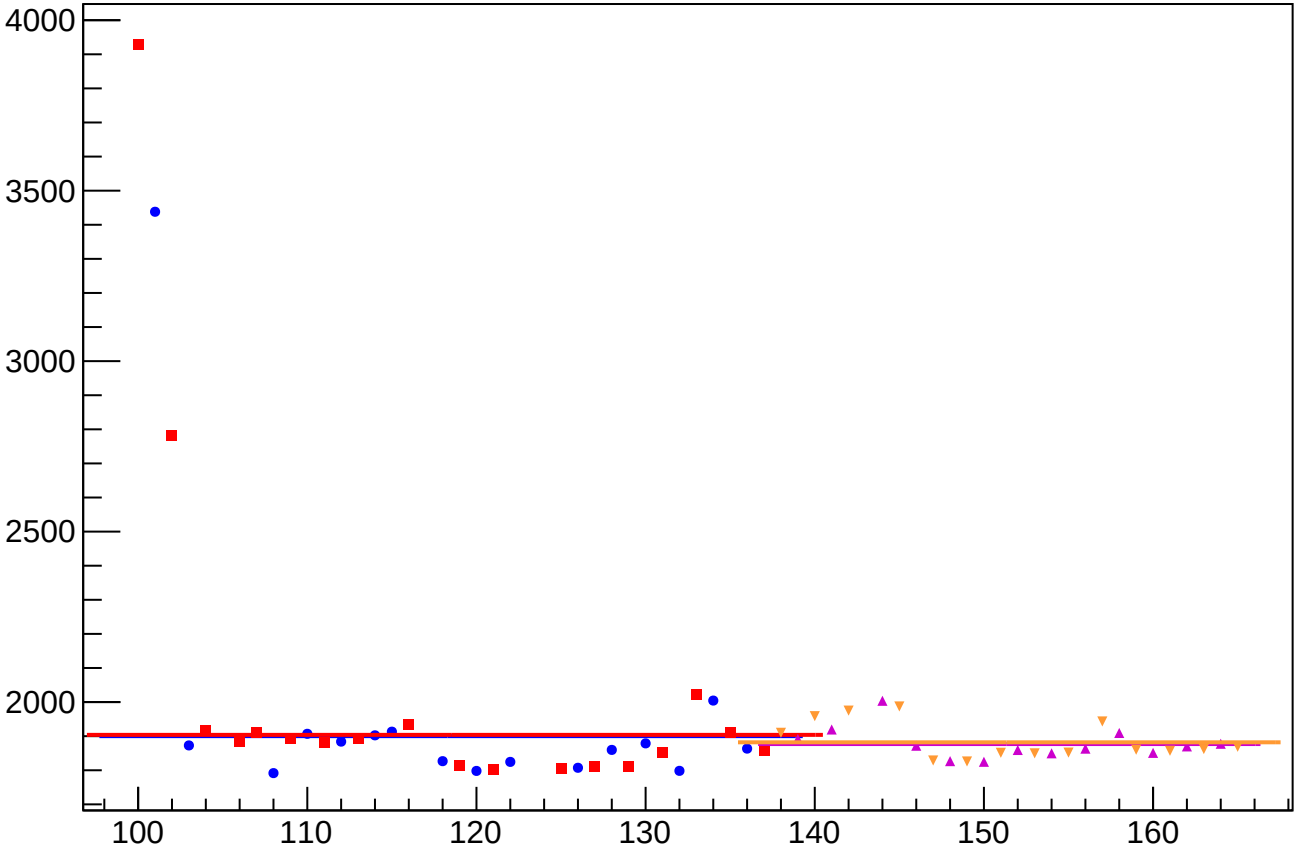
Left In: -4808.141+/-566.889 χ^2/NDF:26.7/12

+ sign 3931.575+/-444.248 χ^2/NDF: 27.0/29

All: -272.577+/-314.456 χ^2/NDF: 251.4/60

- sign -4494.218+/-445.171 χ^2/NDF: 44.9/30

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: 1882.004+/-0.401 χ^2/NDF:16252.7/13

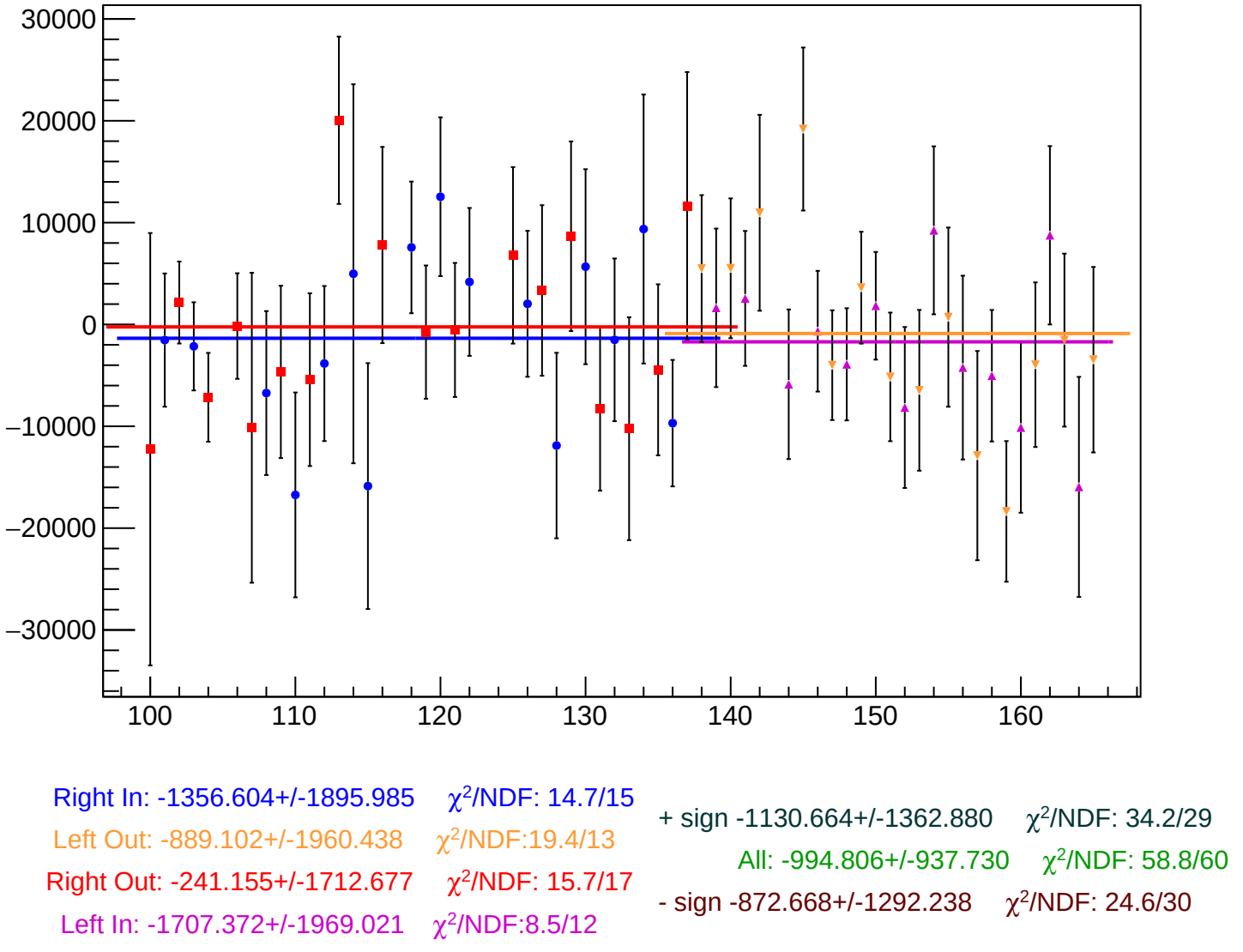
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

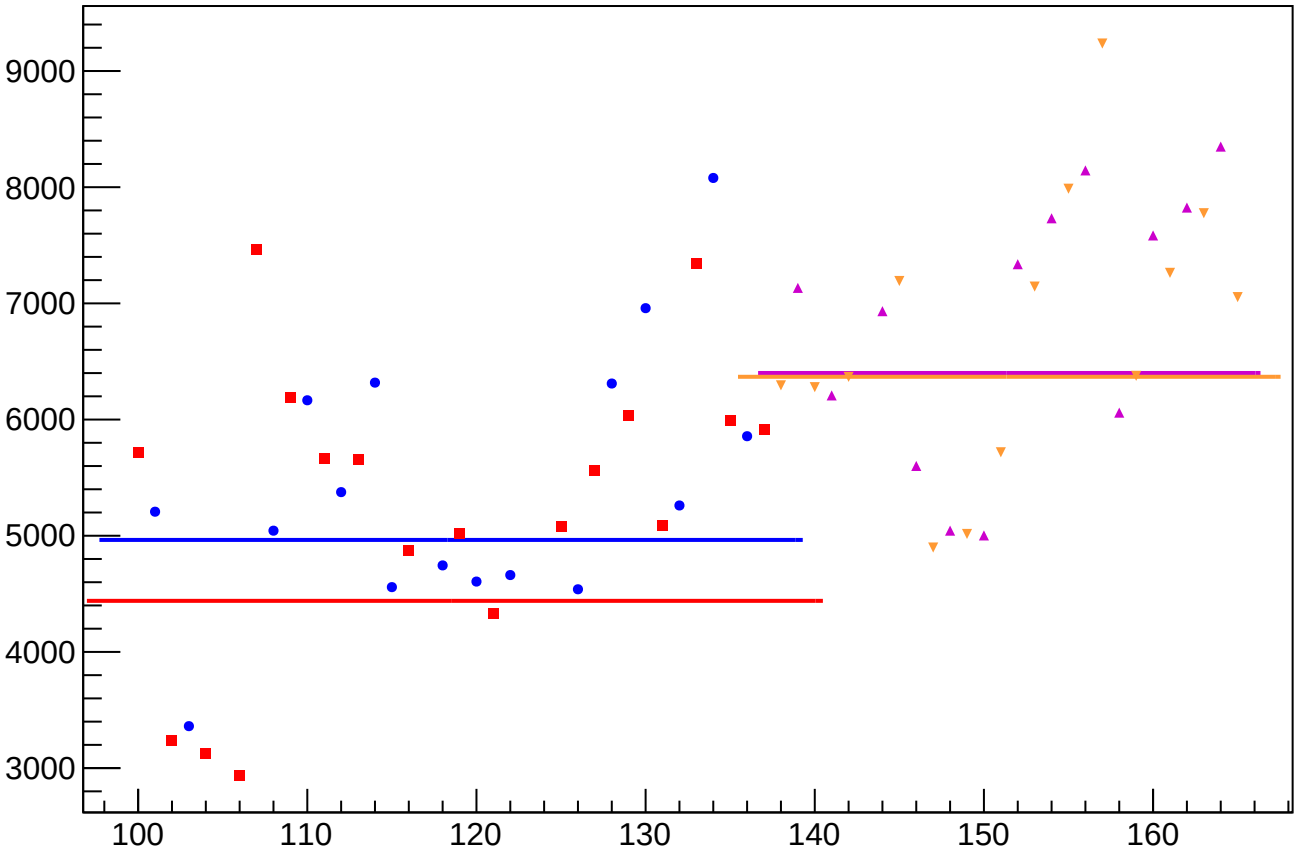
Left In: 1876.896+/-0.401 χ^2/NDF:12418.6/12

+ sign 1889.012+/-0.314 χ^2/NDF: 295489.4/29

All: 1888.124+/-0.222 χ^2/NDF: 459771.5/60

- sign 1887.233+/-0.315 χ^2/NDF: 164266.1/30


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -889.102+/-1960.438 χ²/NDF:19.4/13
Right Out: -241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: -1707.372+/-1969.021 χ²/NDF:8.5/12
+ sign -1130.664+/-1362.880 χ²/NDF: 34.2/29
All: -994.806+/-937.730 χ²/NDF: 58.8/60
- sign -872.668+/-1292.238 χ²/NDF: 24.6/30



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6368.176+/-1.386 χ^2/NDF:646837.3/13

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

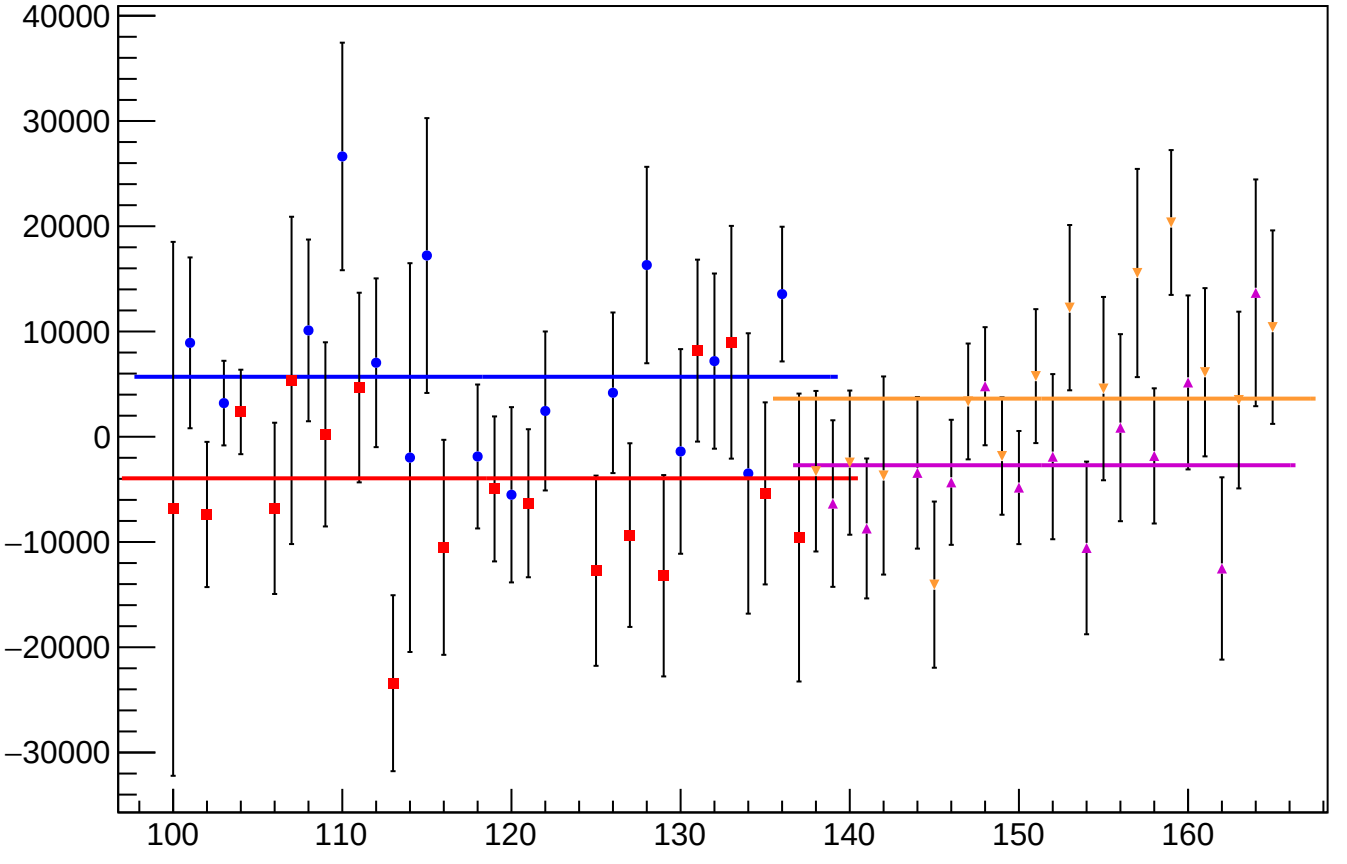
Left In: 6400.881+/-1.392 χ^2/NDF:646046.9/12

+ sign 5642.619+/-0.964 χ^2/NDF: 1804394.9/29

All: 5453.974+/-0.663 χ^2/NDF: 4811293.8/60

- sign 5284.378+/-0.914 χ^2/NDF: 2934131.6/30

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3622.902+/-1968.221 χ^2/NDF:17.5/13

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

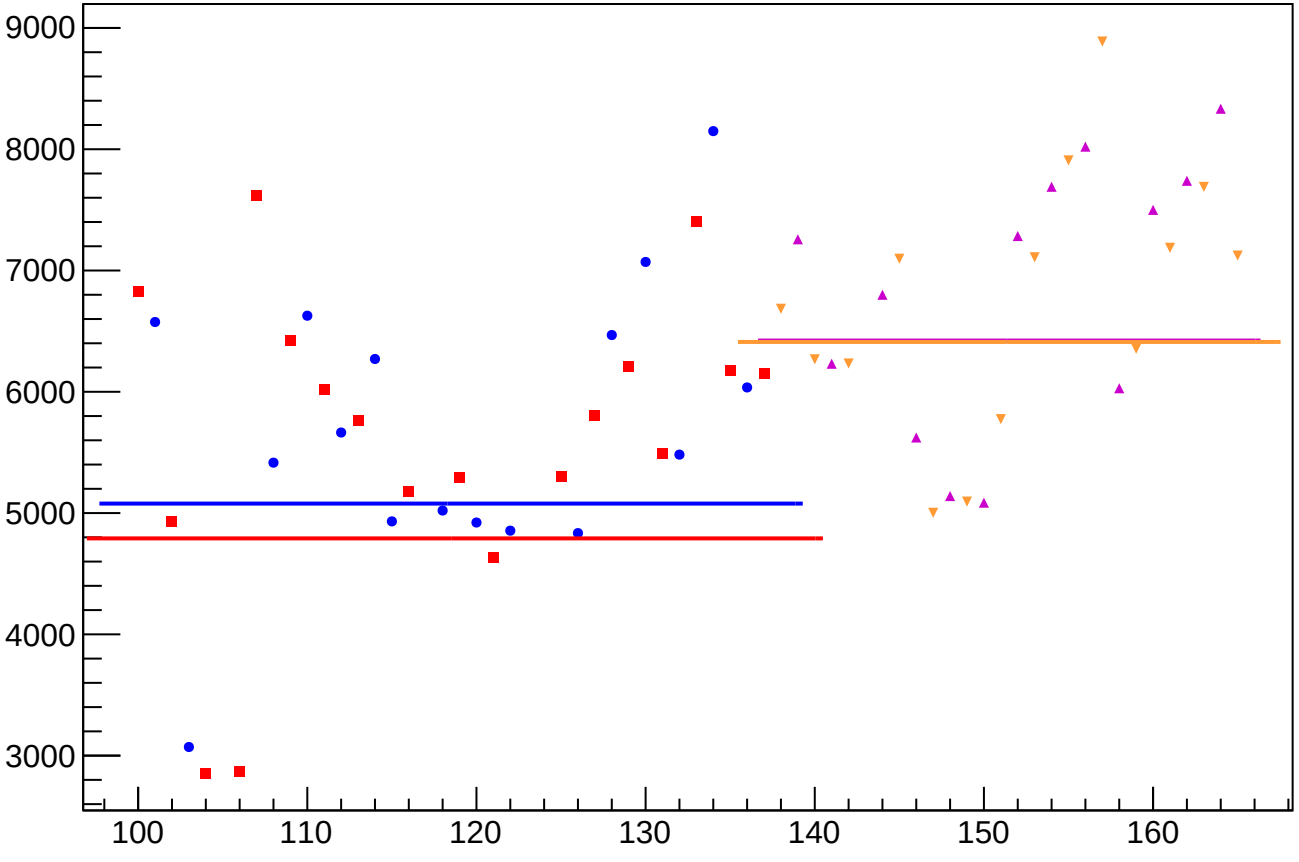
Left In: -2707.260+/-1971.754 χ^2/NDF:8.7/12

+ sign 4664.817+/-1388.547 χ^2/NDF: 30.7/29

All: 623.126+/-977.310 χ^2/NDF: 72.5/60

- sign -3344.654+/-1375.792 χ^2/NDF: 25.0/30

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6411.036+/-1.392 χ^2/NDF:559515.8/13

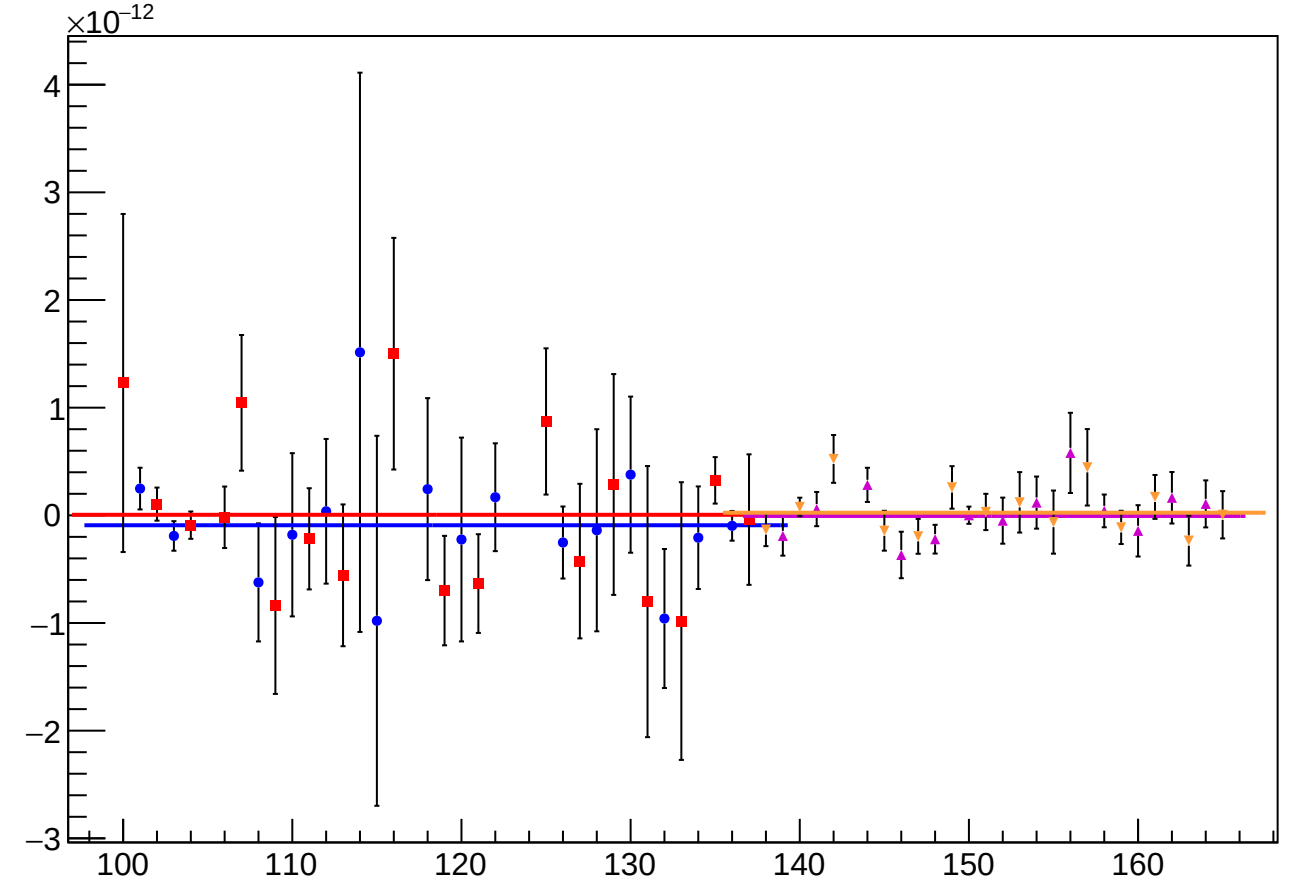
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6422.542+/-1.394 χ^2/NDF:581287.8/12

+ sign 5741.529+/-0.982 χ^2/NDF: 1939436.1/29

All: 5653.473+/-0.687 χ^2/NDF: 4415415.4/60

- sign 5568.831+/-0.963 χ^2/NDF: 2460204.6/30



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/13

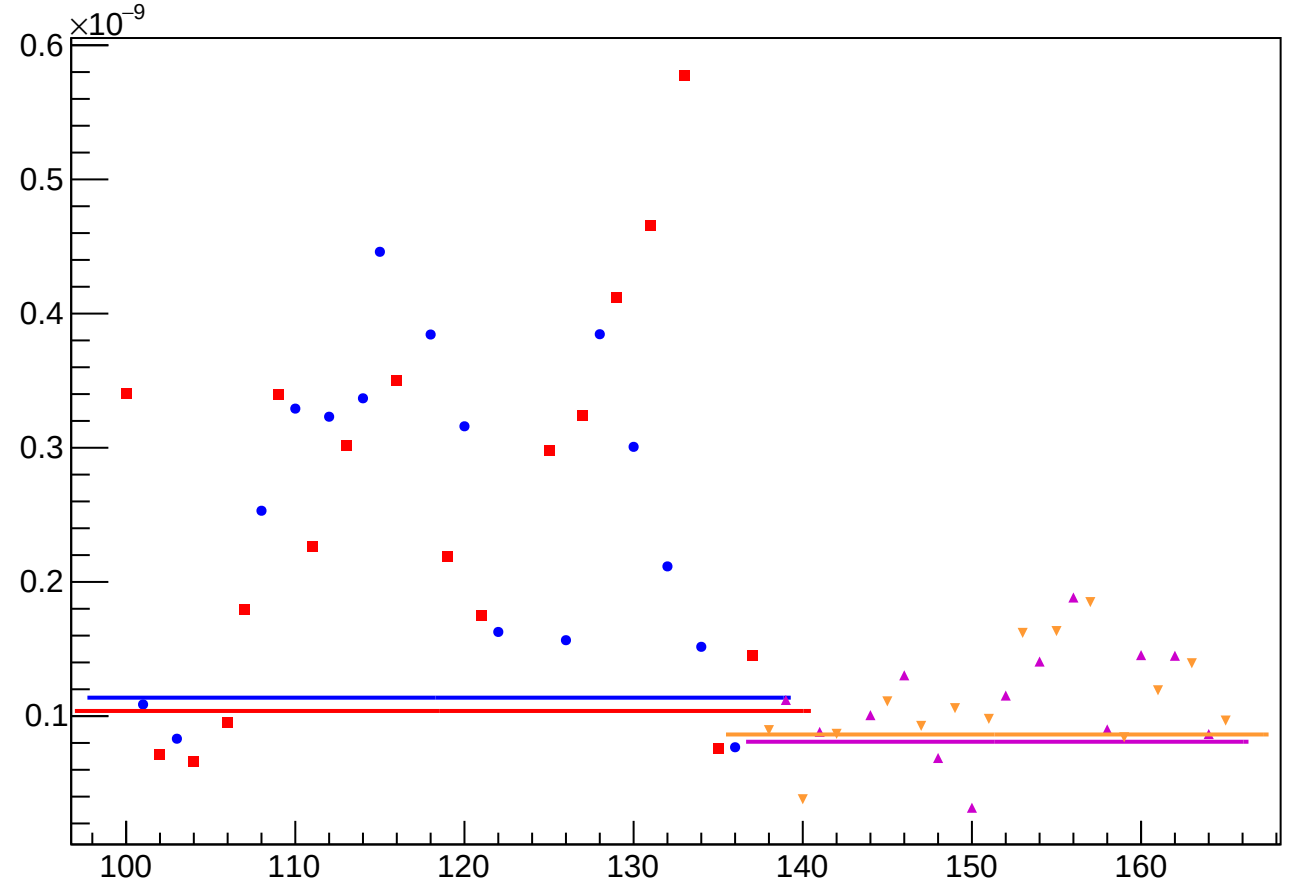
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/29

All: -0.000+/-0.000 χ^2/NDF: 55.9/60

- sign -0.000+/-0.000 χ^2/NDF: 31.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1301602.3/13

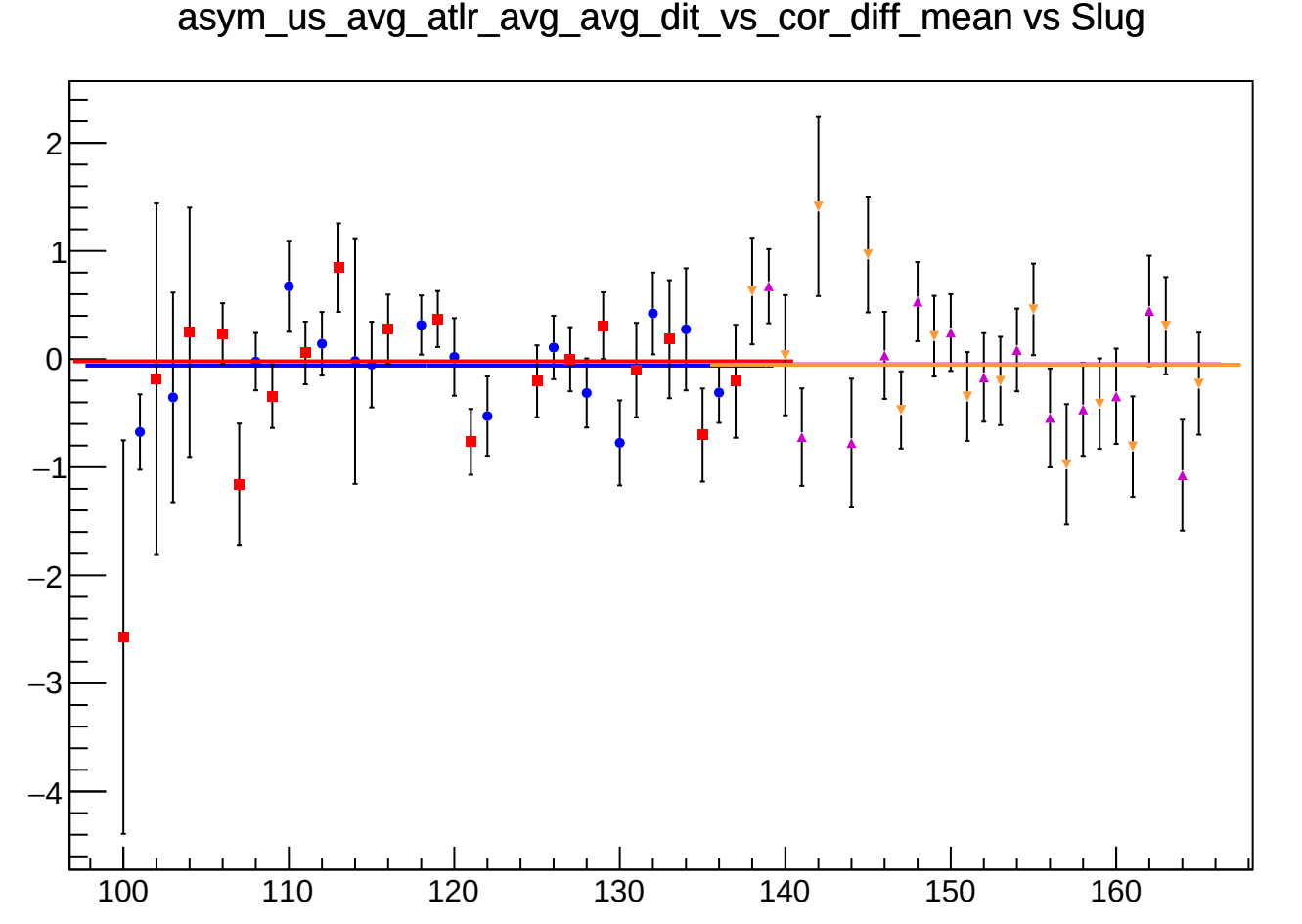
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1612625.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3009783.3/29

All: 0.000+/-0.000 χ^2/NDF: 6870816.8/60

- sign 0.000+/-0.000 χ^2/NDF: 3831746.7/30



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.051+/-0.121 χ^2/NDF:19.6/13

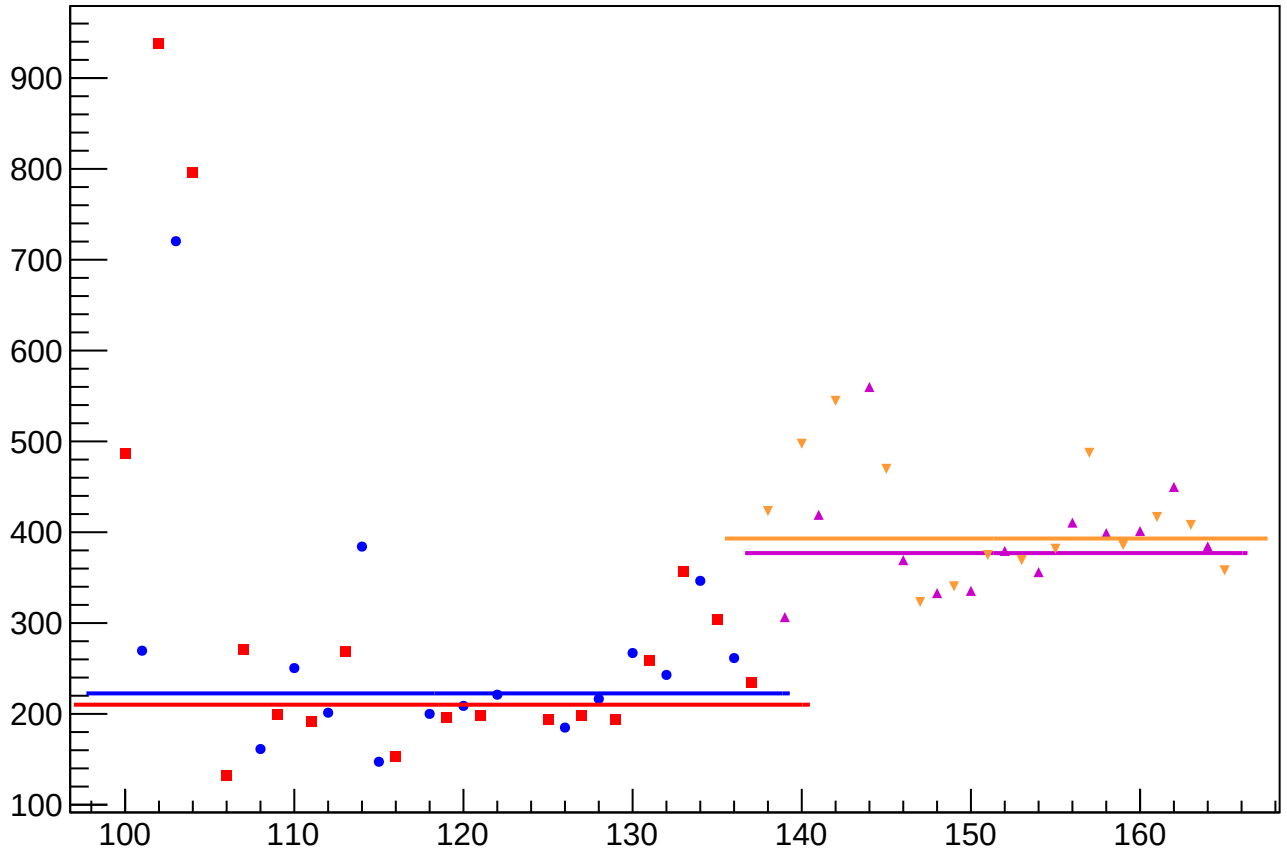
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.049+/-0.117 χ^2/NDF:19.1/12

+ sign -0.057+/-0.072 χ^2/NDF: 36.9/29

All: -0.044+/-0.050 χ^2/NDF: 82.2/60

- sign -0.031+/-0.070 χ^2/NDF: 45.3/30



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.069+/-0.086 χ^2/NDF:390822.2/13

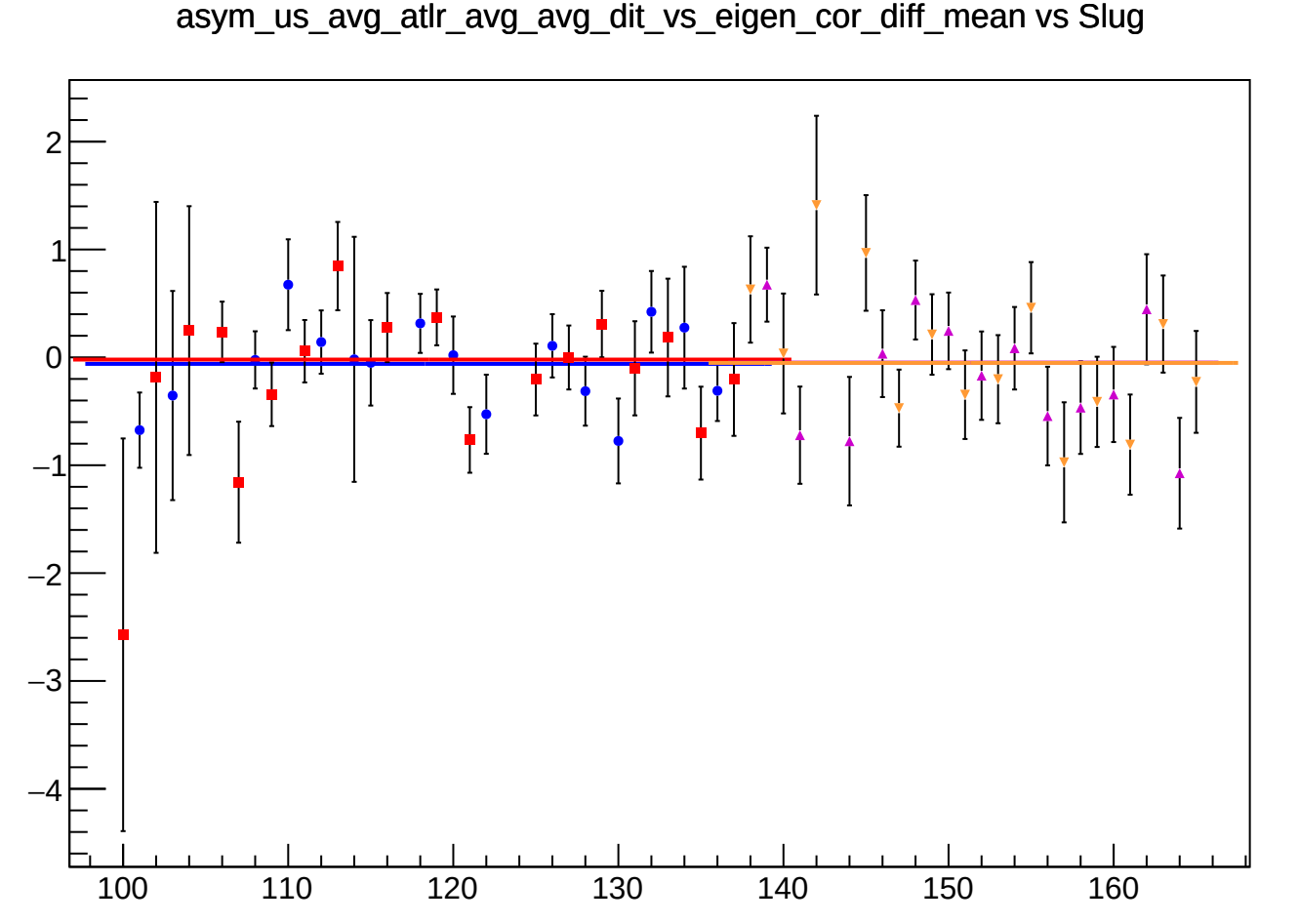
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.044+/-0.082 χ^2/NDF:416680.4/12

+ sign 281.851+/-0.051 χ^2/NDF: 3981420.7/29

All: 275.904+/-0.035 χ^2/NDF: 8598734.5/60

- sign 270.230+/-0.049 χ^2/NDF: 4590357.9/30



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.051+/-0.121 χ^2/NDF:19.6/13

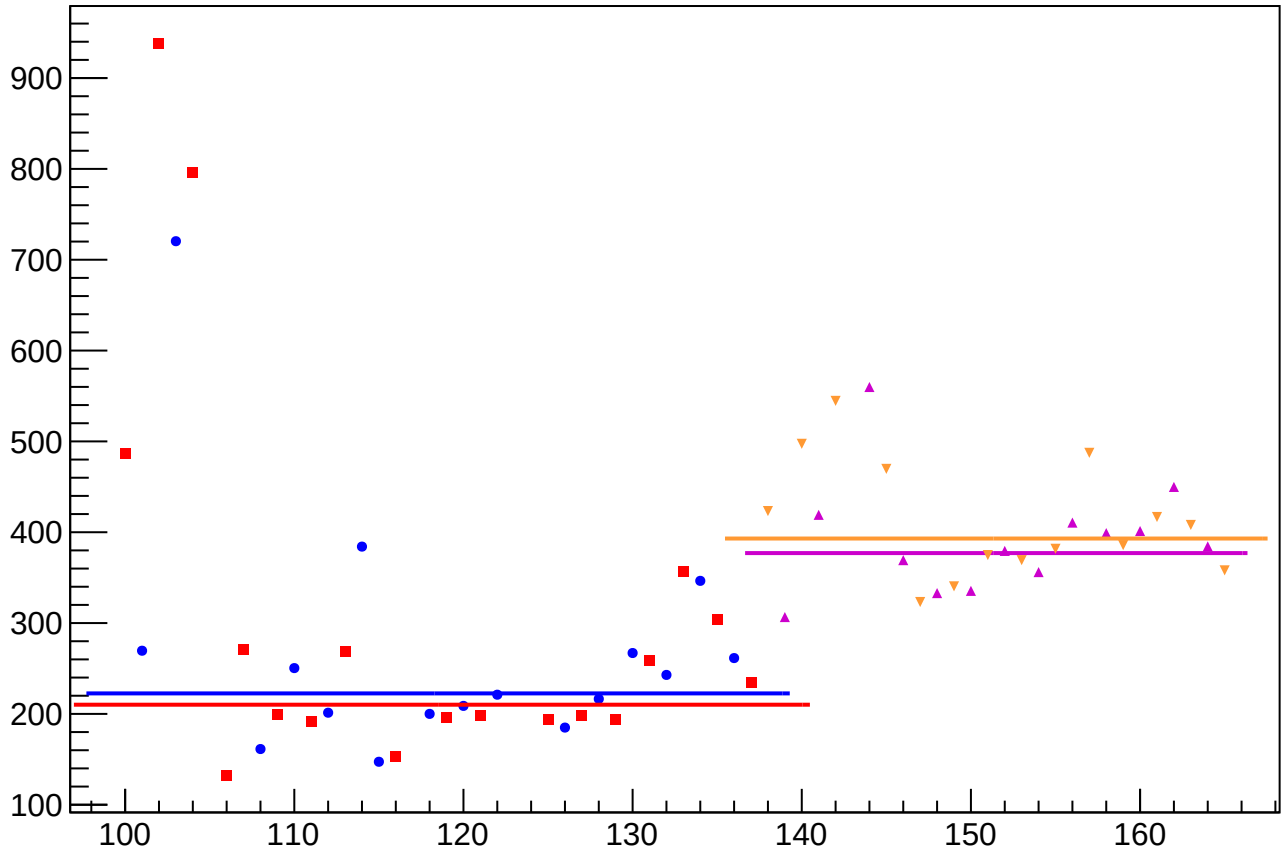
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.049+/-0.117 χ^2/NDF:19.1/12

+ sign -0.057+/-0.072 χ^2/NDF: 36.9/29

All: -0.044+/-0.050 χ^2/NDF: 82.2/60

- sign -0.031+/-0.070 χ^2/NDF: 45.3/30



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.069+/-0.086 χ^2/NDF:390822.2/13

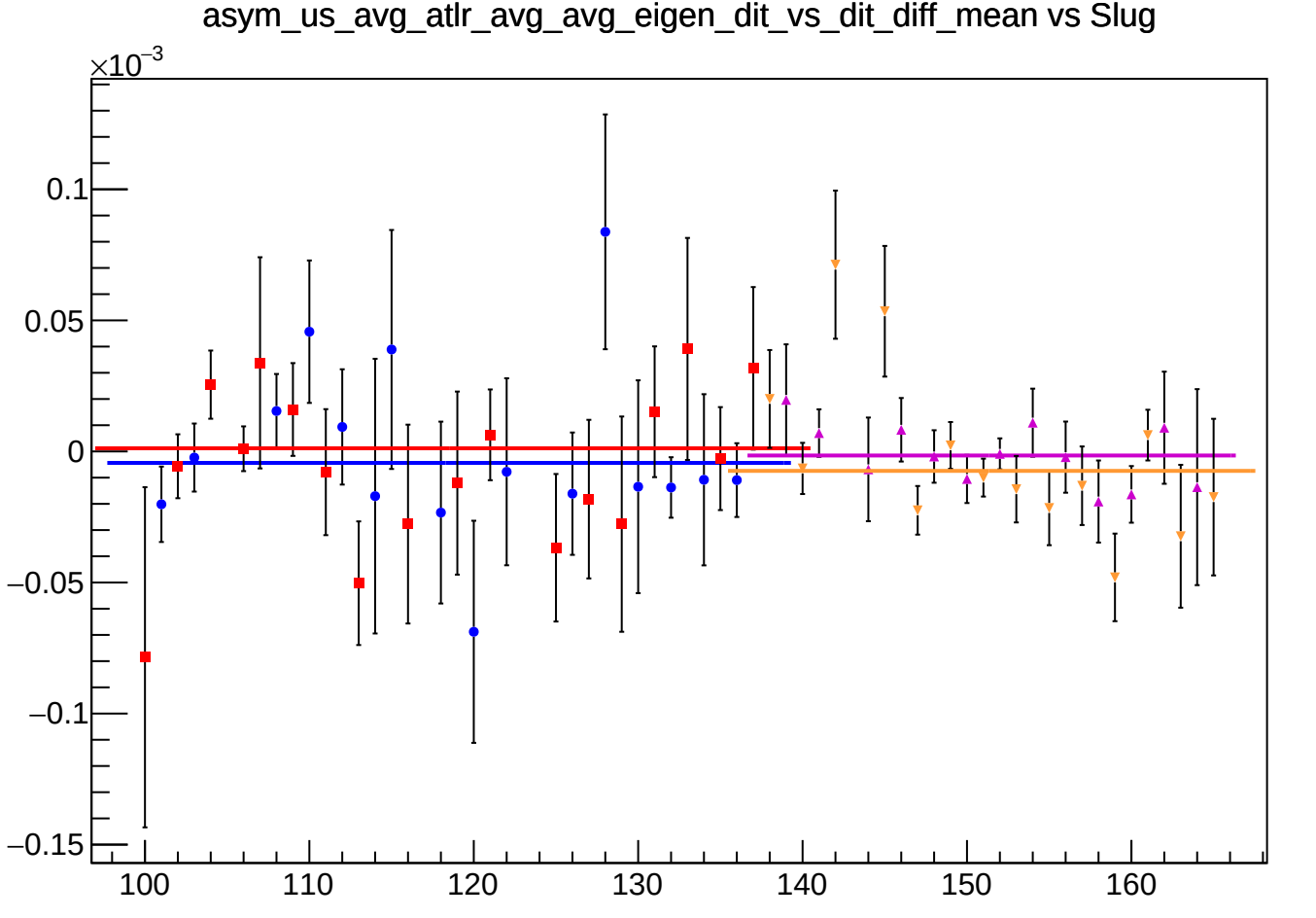
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.044+/-0.082 χ^2/NDF:416680.4/12

+ sign 281.851+/-0.051 χ^2/NDF: 3981420.7/29

All: 275.904+/-0.035 χ^2/NDF: 8598734.5/60

- sign 270.230+/-0.049 χ^2/NDF: 4590357.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/13

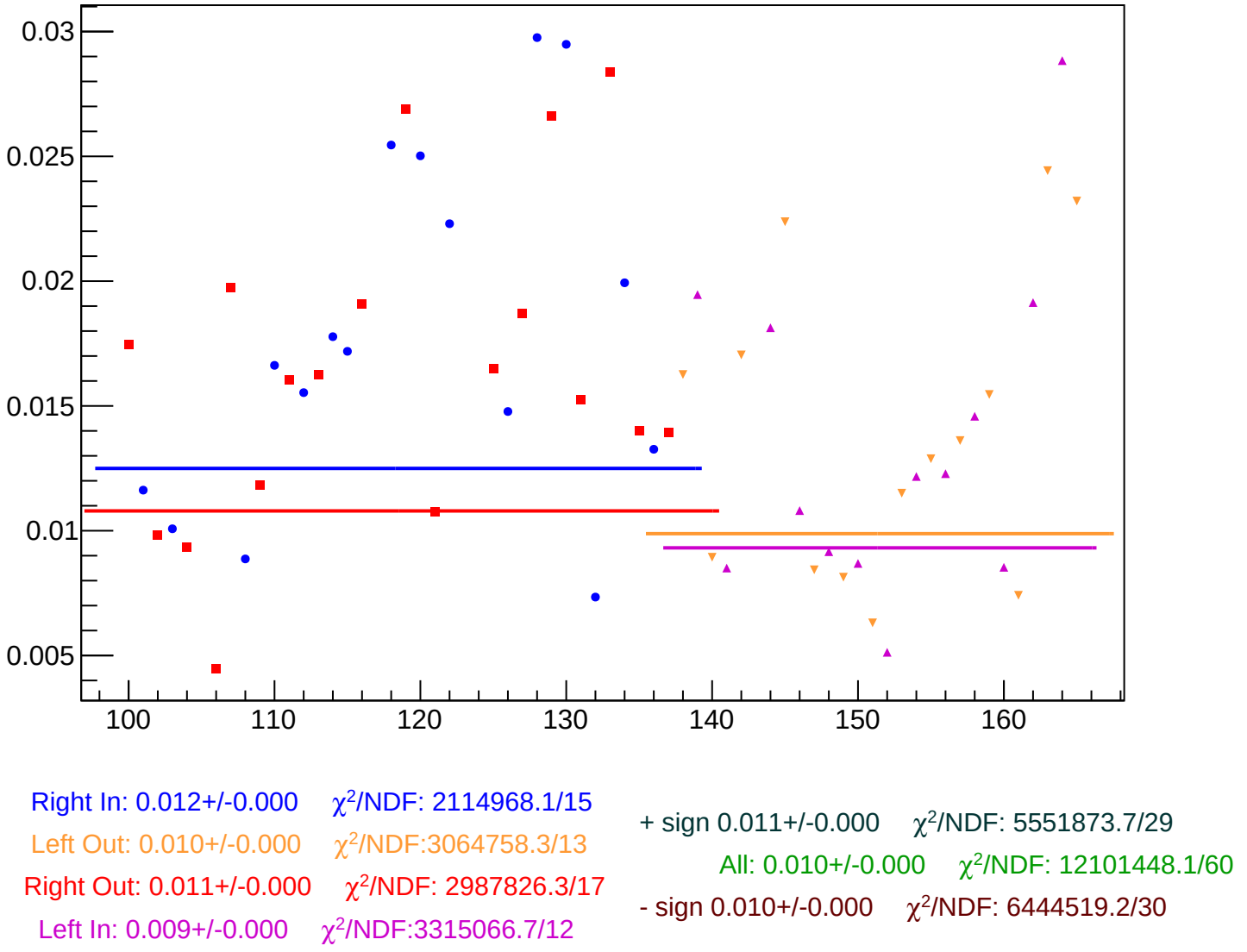
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

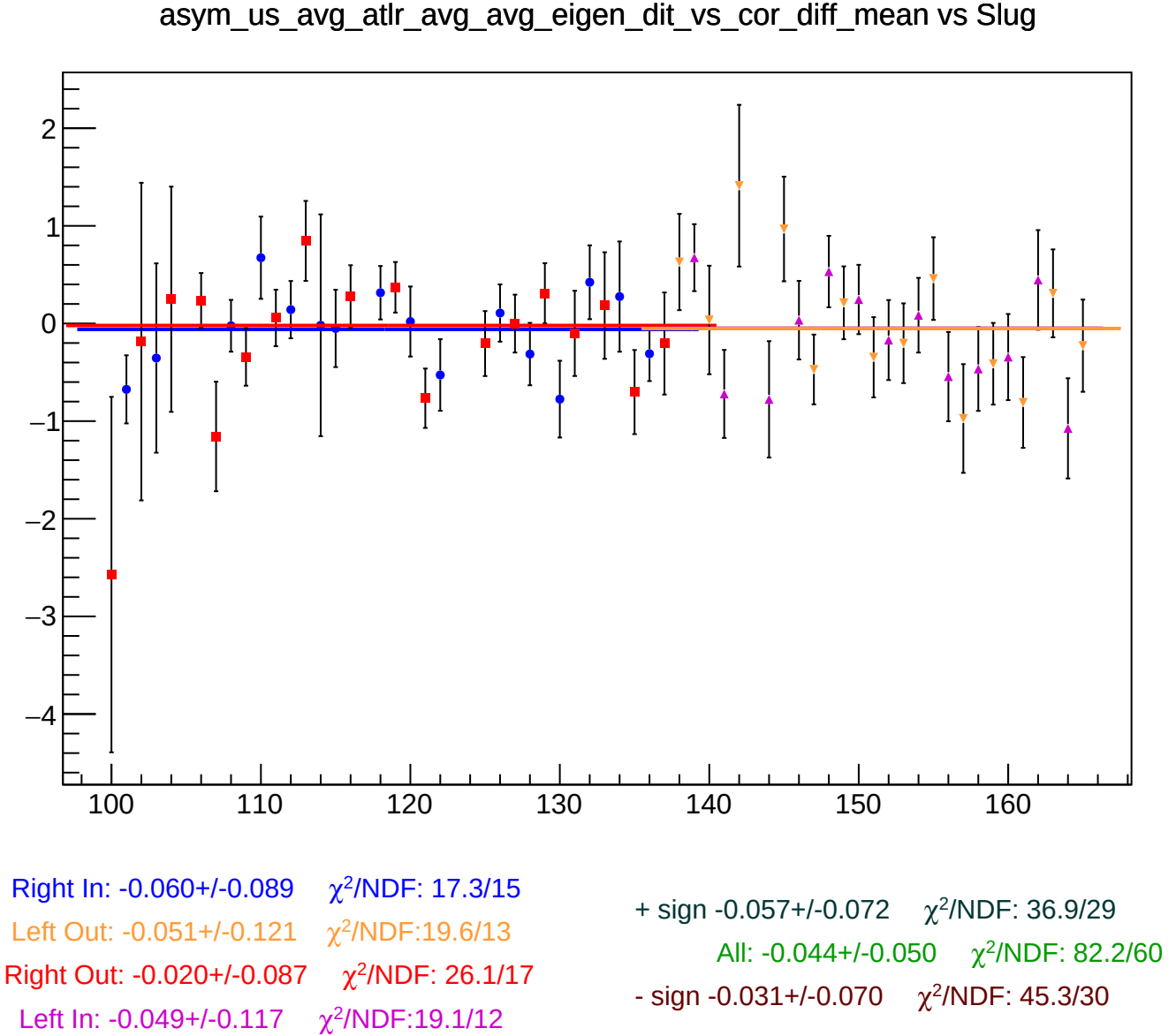
Left In: -0.000+/-0.000 χ^2/NDF:8.0/12

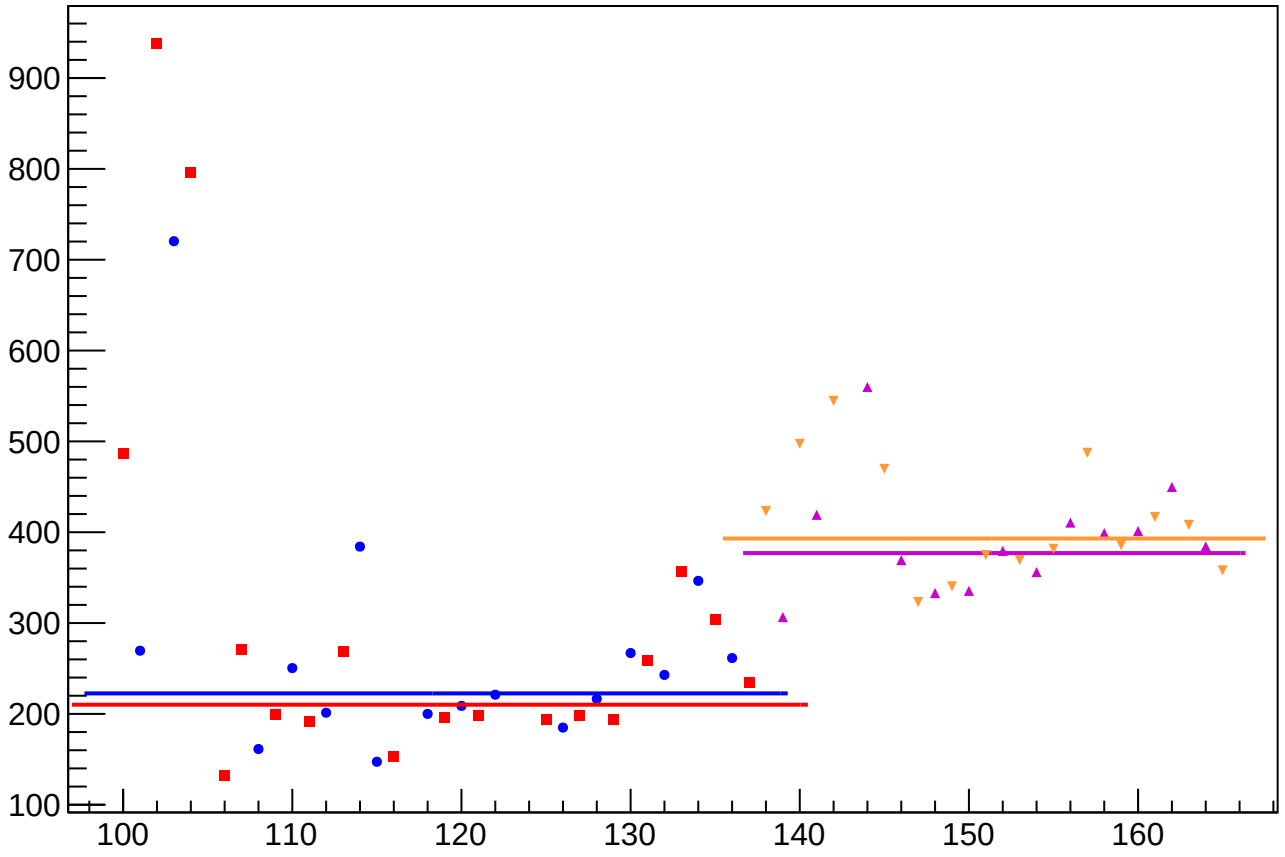
+ sign -0.000+/-0.000 χ^2/NDF: 46.0/29

All: -0.000+/-0.000 χ^2/NDF: 73.9/60

- sign -0.000+/-0.000 χ^2/NDF: 25.5/30


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.012+/-0.000 χ²/NDF: 2114968.1/15
Left Out: 0.010+/-0.000 χ²/NDF:3064758.3/13
Right Out: 0.011+/-0.000 χ²/NDF: 2987826.3/17
Left In: 0.009+/-0.000 χ²/NDF:3315066.7/12
+ sign 0.011+/-0.000 χ²/NDF: 5551873.7/29
All: 0.010+/-0.000 χ²/NDF: 12101448.1/60
- sign 0.010+/-0.000 χ²/NDF: 6444519.2/30


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.051+/-0.121 χ²/NDF:19.6/13
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.049+/-0.117 χ²/NDF:19.1/12
+ sign -0.057+/-0.072 χ²/NDF: 36.9/29
All: -0.044+/-0.050 χ²/NDF: 82.2/60
- sign -0.031+/-0.070 χ²/NDF: 45.3/30



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.075+/-0.086 χ^2/NDF:390824.8/13

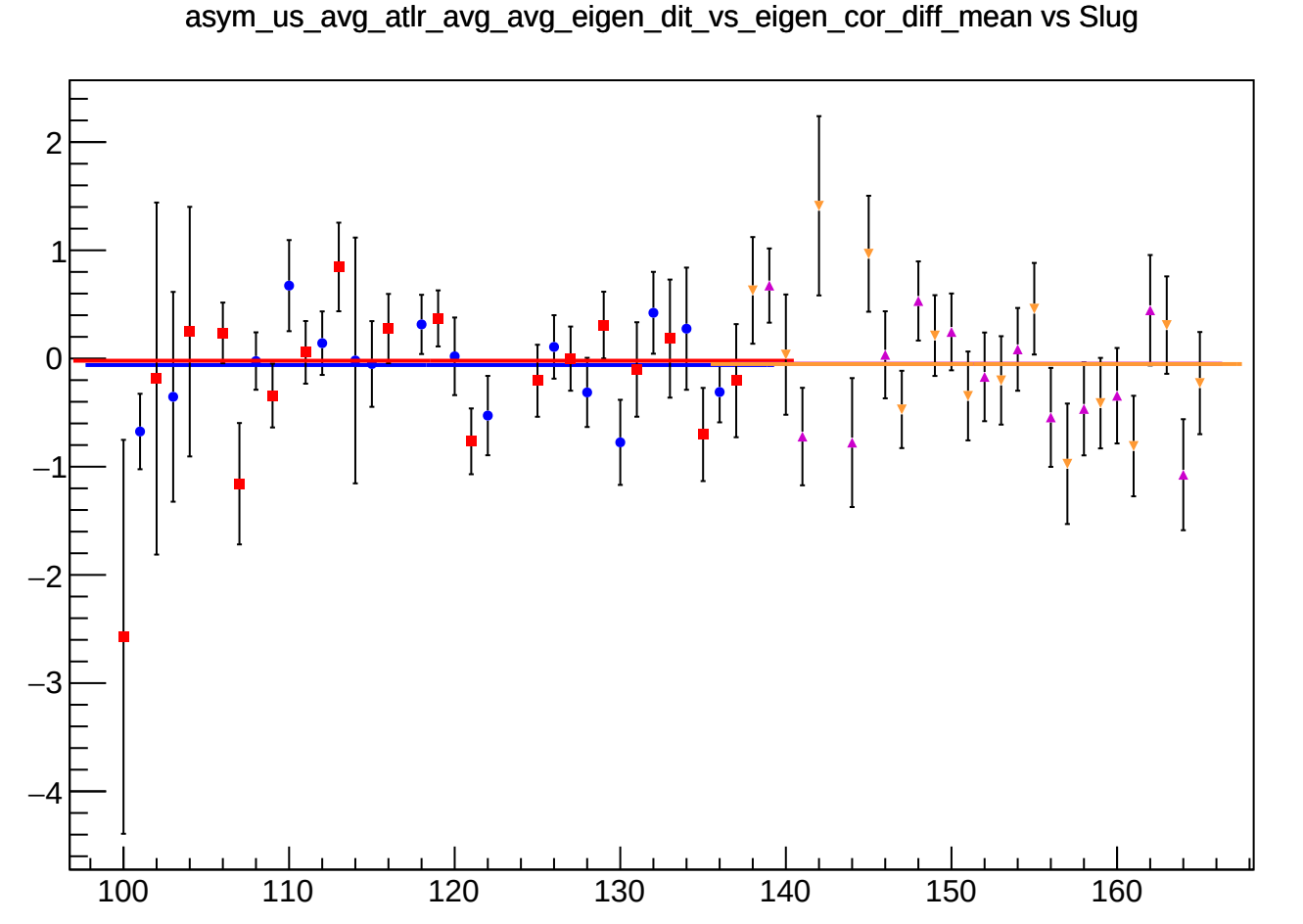
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.050+/-0.082 χ^2/NDF:416679.3/12

+ sign 281.850+/-0.051 χ^2/NDF: 3981616.7/29

All: 275.902+/-0.035 χ^2/NDF: 8599159.8/60

- sign 270.229+/-0.049 χ^2/NDF: 4590583.1/30



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.051+/-0.121 χ^2/NDF:19.6/13

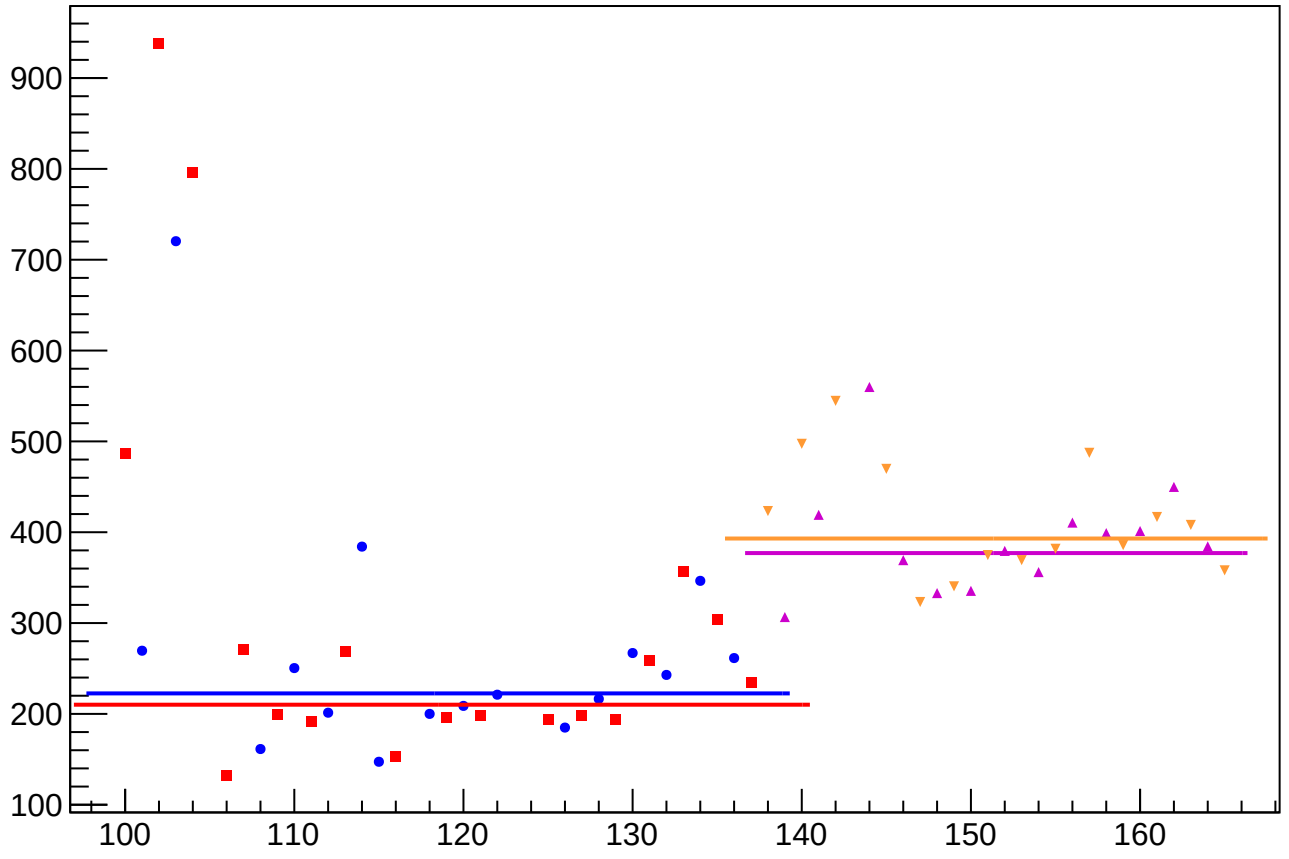
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.049+/-0.117 χ^2/NDF:19.1/12

+ sign -0.057+/-0.072 χ^2/NDF: 36.9/29

All: -0.044+/-0.050 χ^2/NDF: 82.2/60

- sign -0.031+/-0.070 χ^2/NDF: 45.3/30



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.075+/-0.086 χ^2/NDF:390824.8/13

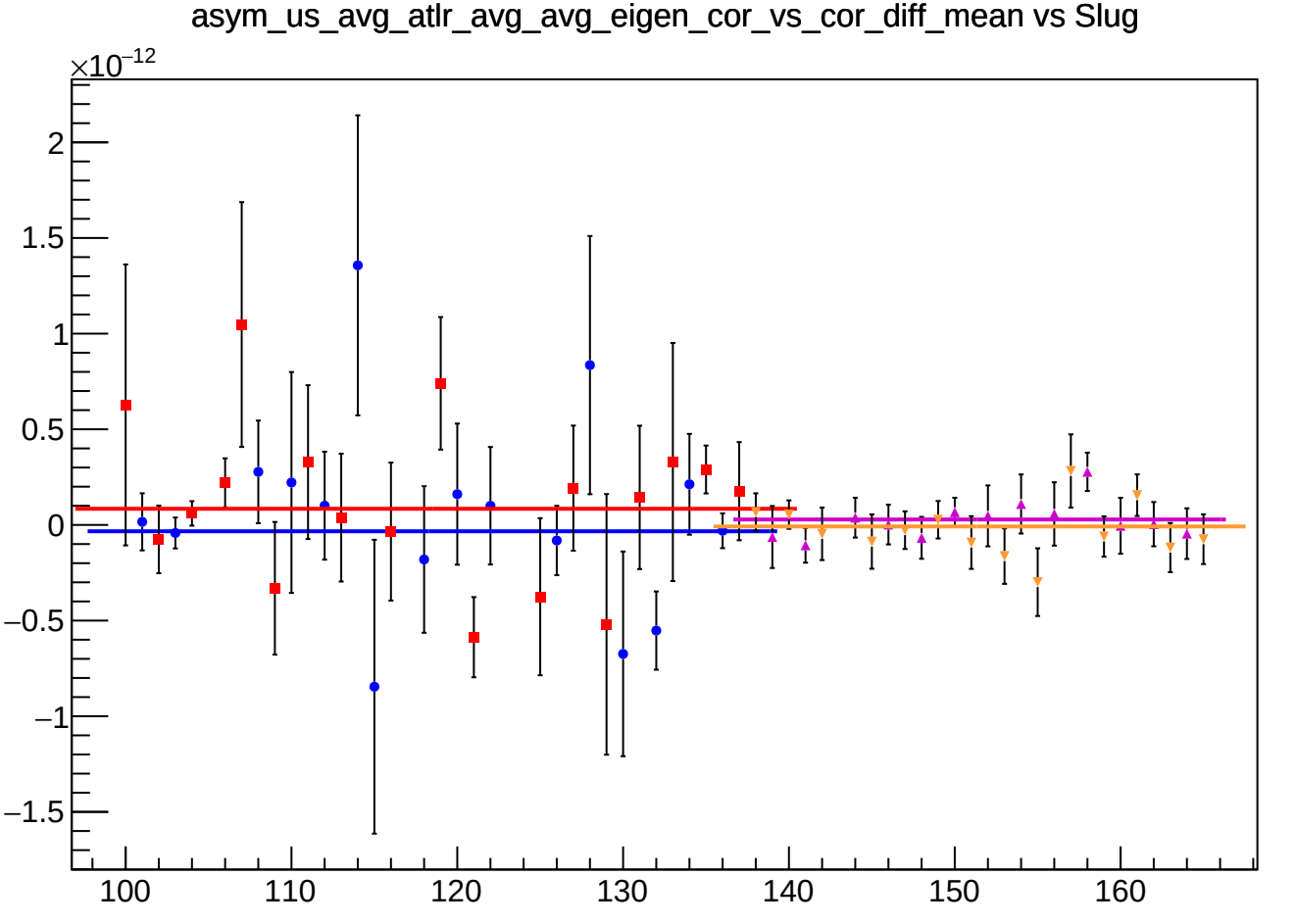
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.050+/-0.082 χ^2/NDF:416679.3/12

+ sign 281.850+/-0.051 χ^2/NDF: 3981616.7/29

All: 275.902+/-0.035 χ^2/NDF: 8599159.8/60

- sign 270.229+/-0.049 χ^2/NDF: 4590583.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/13

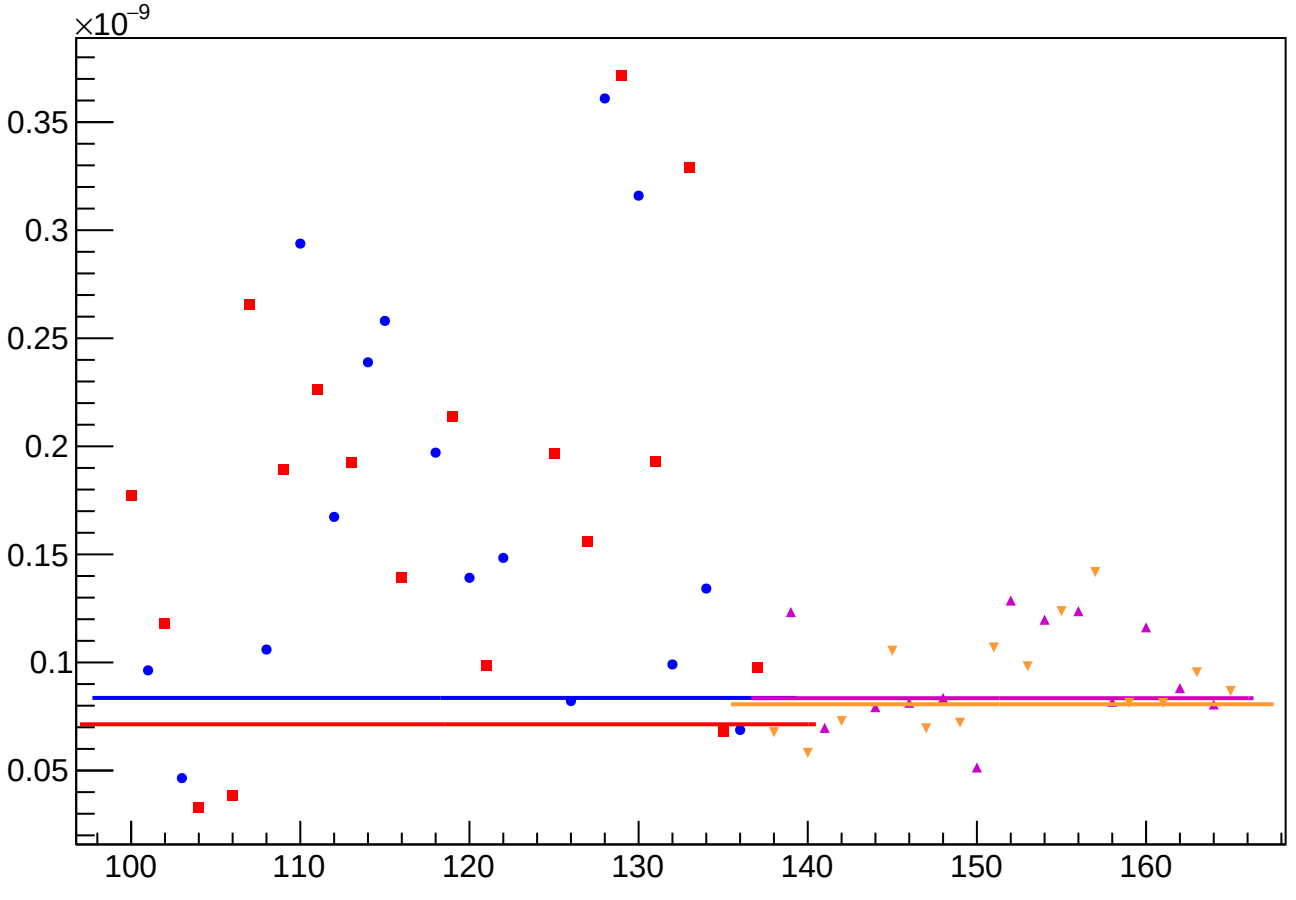
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/29

All: 0.000+/-0.000 χ^2/NDF: 69.7/60

- sign 0.000+/-0.000 χ^2/NDF: 37.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:781270.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

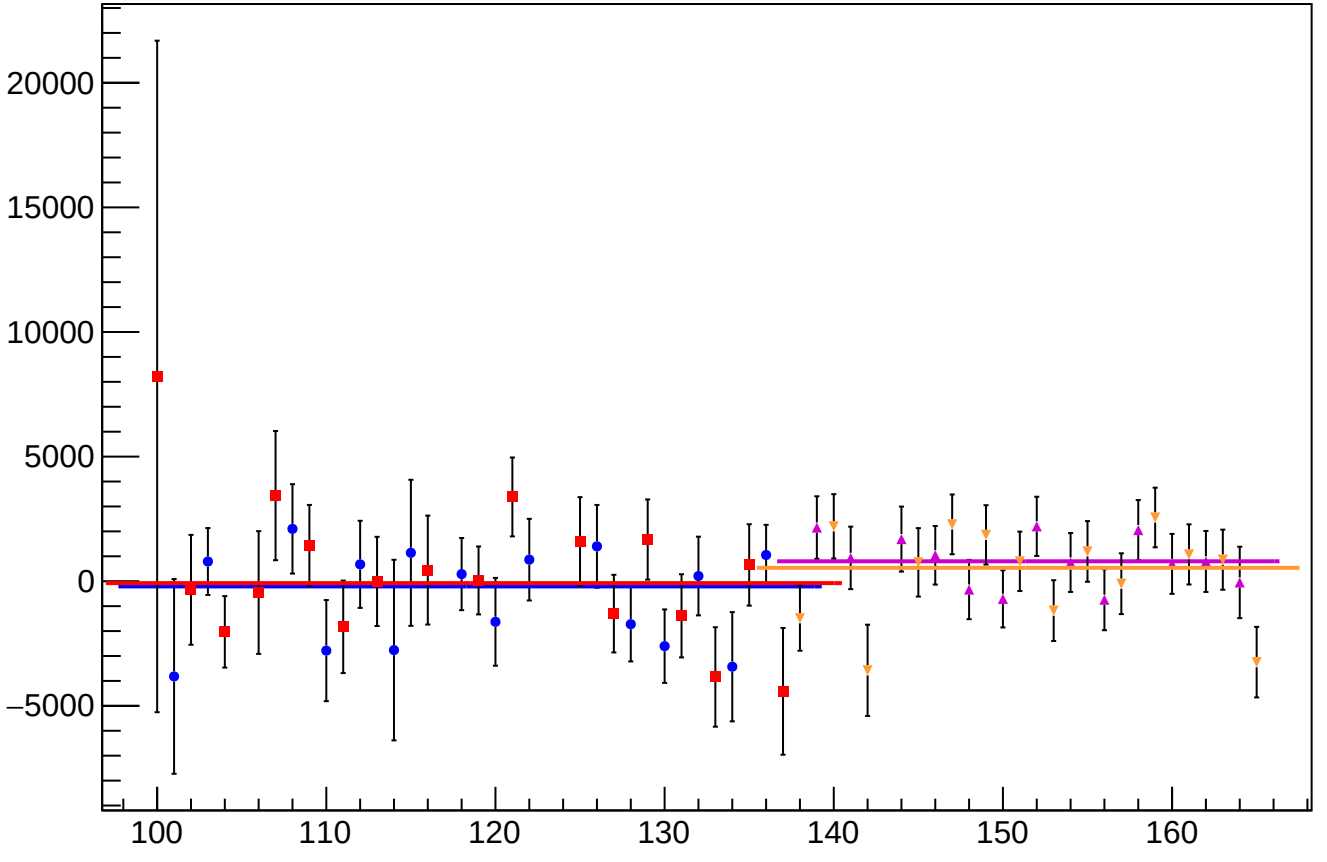
Left In: 0.000+/-0.000 χ^2/NDF:1025762.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3022128.2/29

All: 0.000+/-0.000 χ^2/NDF: 7898524.5/60

- sign 0.000+/-0.000 χ^2/NDF: 4869397.1/30

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 537.940+/-338.760 χ^2/NDF:25.4/13

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

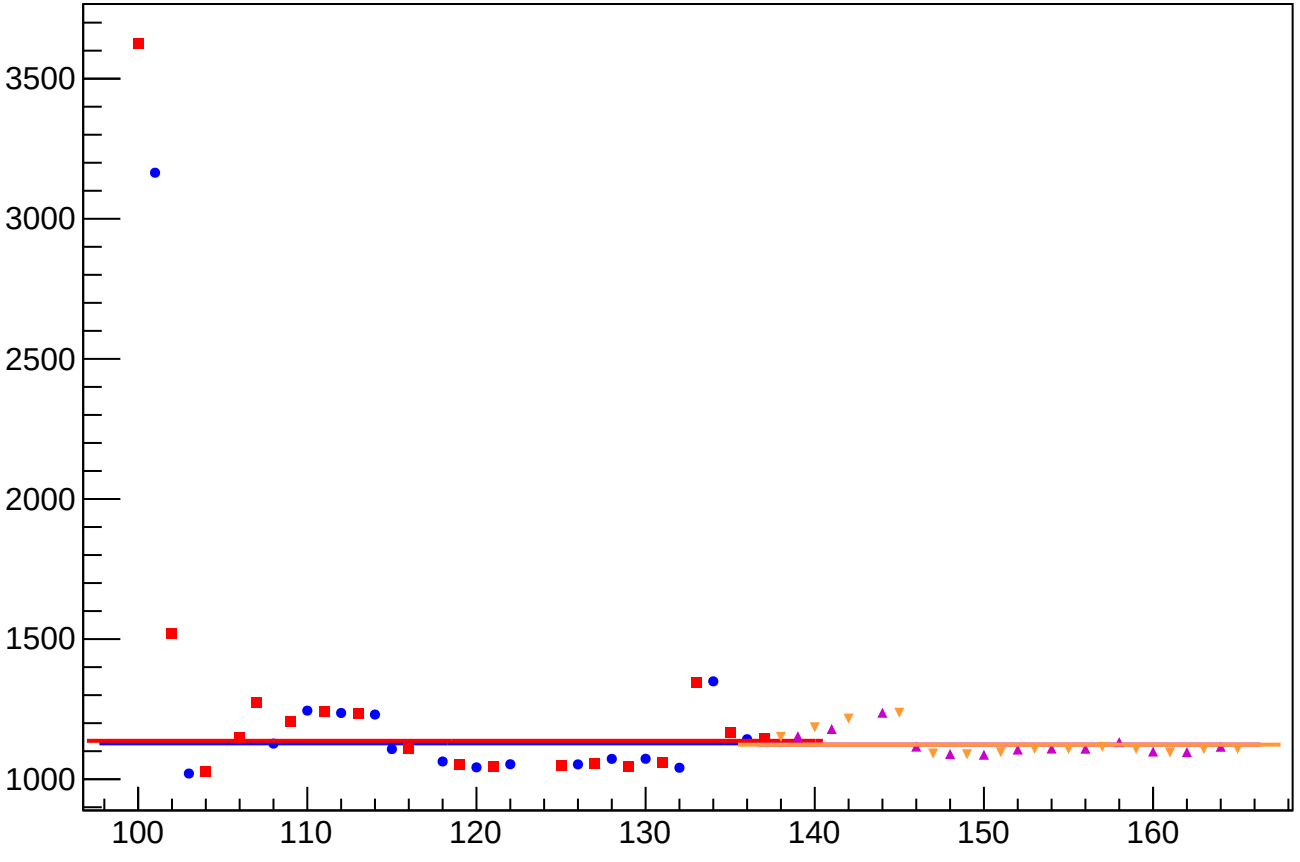
Left In: 800.104+/-339.451 χ^2/NDF:8.7/12

\+ sign 251.448+/-265.901 χ^2/NDF: 42.0/29

All: 357.749+/-188.273 χ^2/NDF: 74.3/60

\- sign 464.622+/-266.617 χ^2/NDF: 31.9/30

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1123.327+/-0.240 χ^2/NDF:31206.7/13

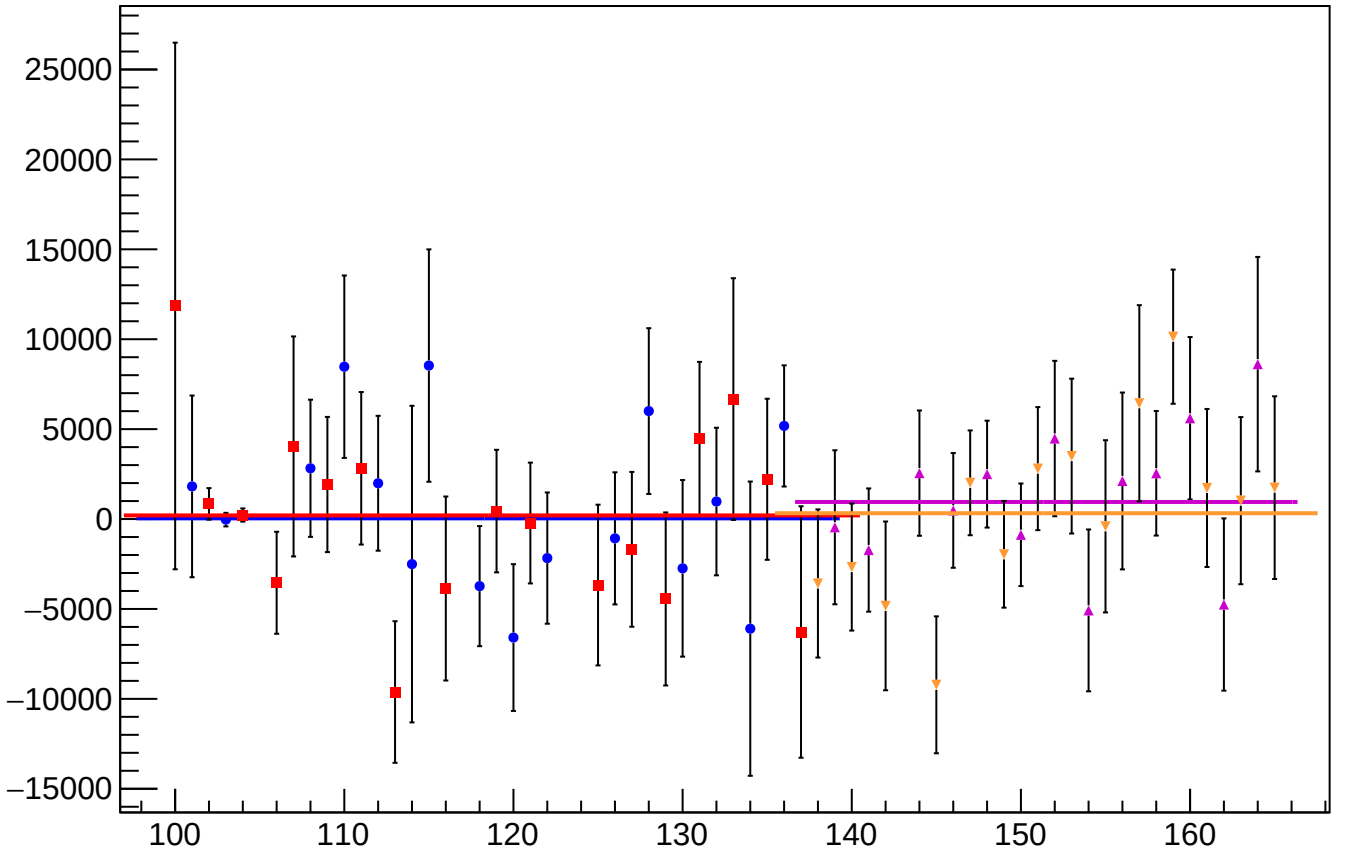
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1123.602+/-0.240 χ^2/NDF:26942.1/12

+ sign 1125.124+/-0.188 χ^2/NDF: 652747.8/29

All: 1126.939+/-0.133 χ^2/NDF: 901166.5/60

- sign 1128.762+/-0.188 χ^2/NDF: 248231.9/30



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 323.032+/-1048.247 χ^2/NDF:19.5/13

Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

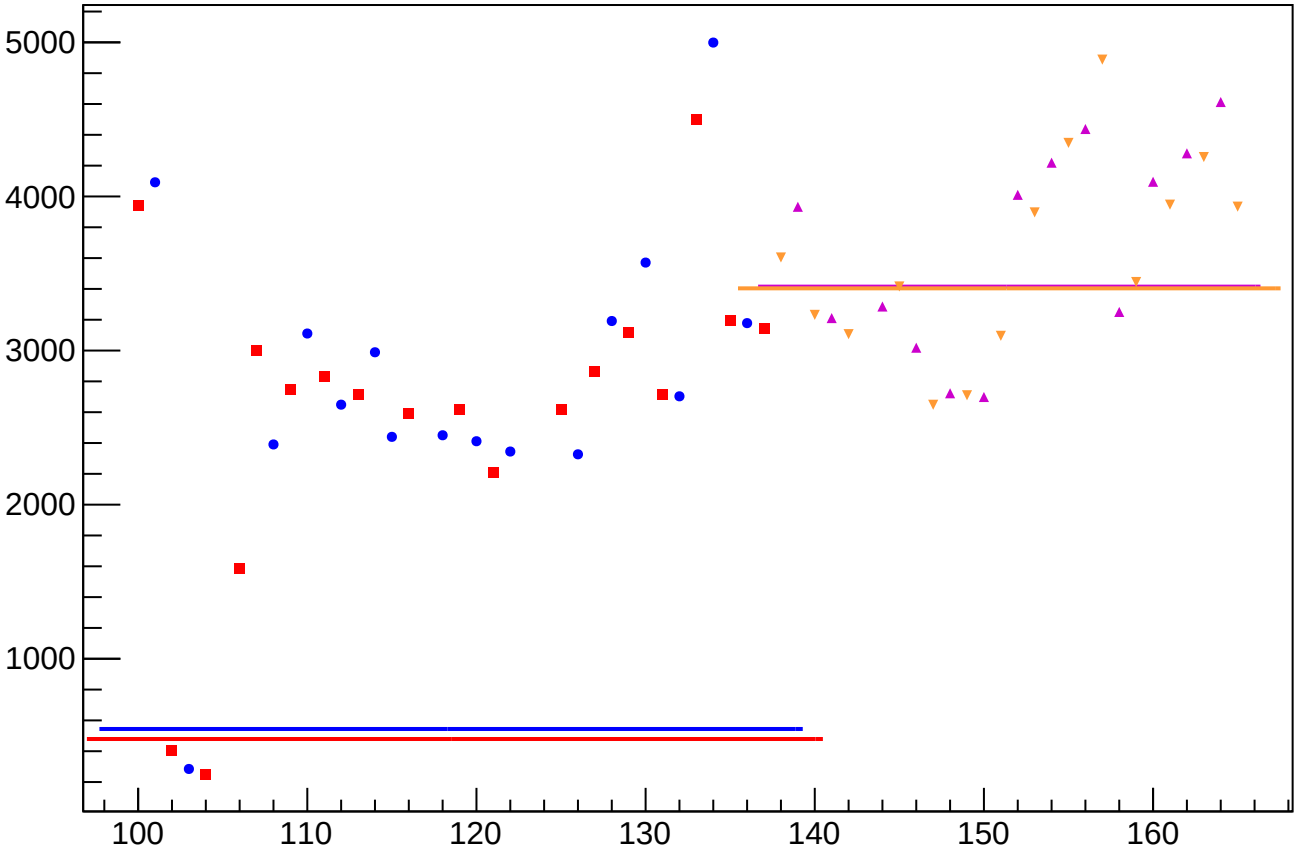
Left In: 949.762+/-1051.238 χ^2/NDF:8.5/12

\+ sign 67.990+/-338.492 χ^2/NDF: 34.4/29

All: 176.206+/-227.952 χ^2/NDF: 59.2/60

\- sign 266.011+/-308.357 χ^2/NDF: 24.6/30

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3403.702+/-0.741 χ^2/NDF:649365.3/13

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

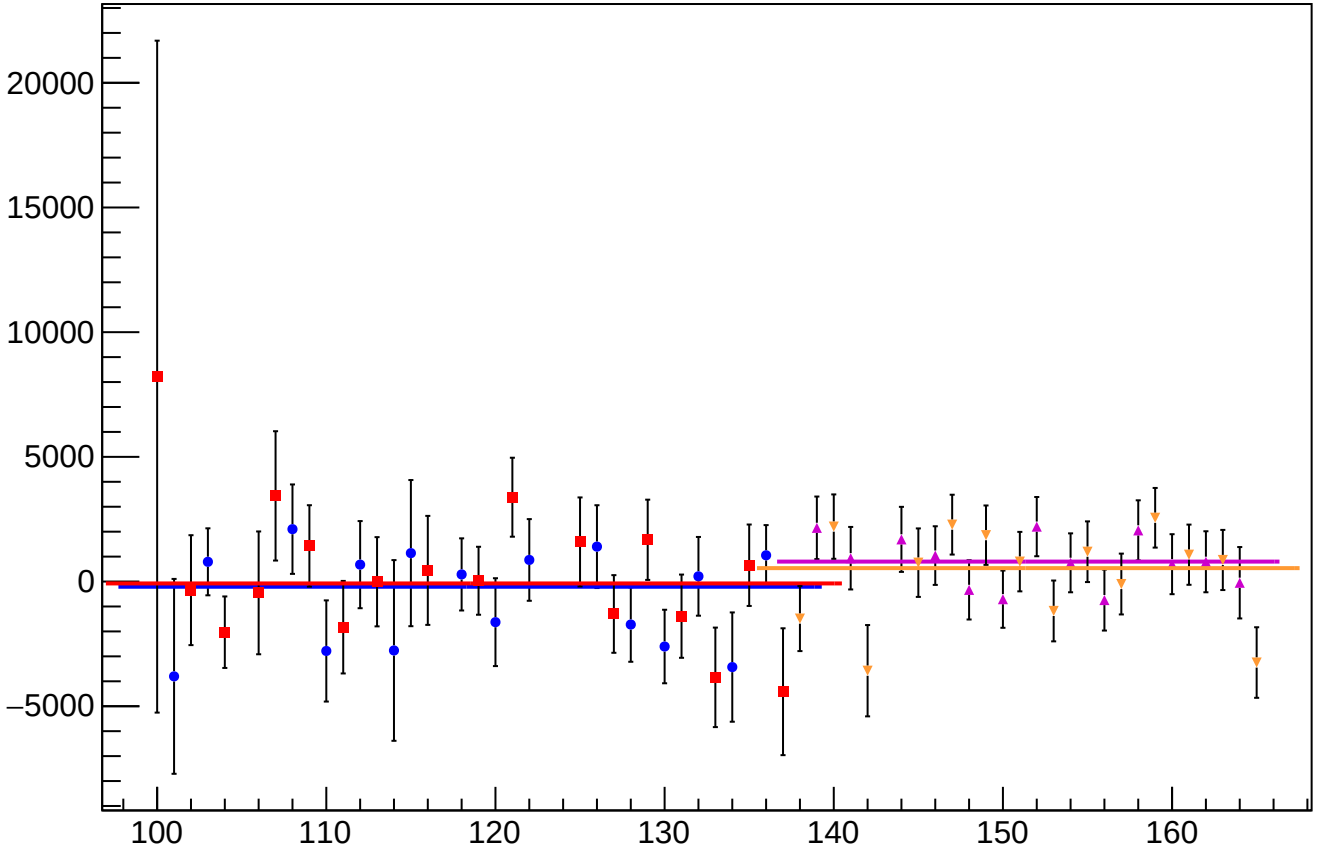
Left In: 3414.833+/-0.743 χ^2/NDF:688819.9/12

+ sign 842.488+/-0.239 χ^2/NDF: 23661986.5/29

All: 782.017+/-0.161 χ^2/NDF: 47909801.5/60

- sign 731.833+/-0.218 χ^2/NDF: 24131010.4/30

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 537.965+/-338.760 χ^2/NDF:25.4/13

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

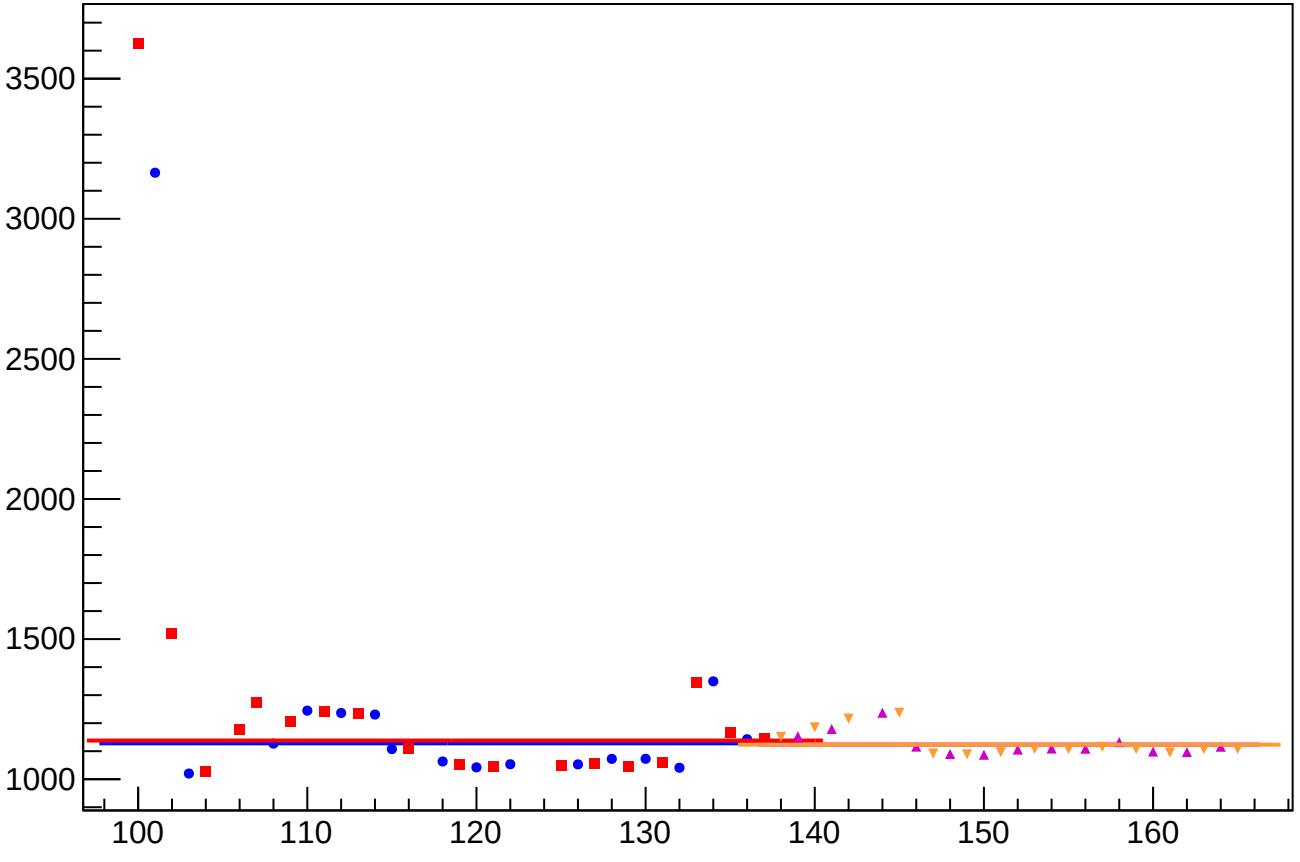
Left In: 800.130+/-339.451 χ^2/NDF:8.7/12

+ sign 251.551+/-265.901 χ^2/NDF: 42.0/29

All: 357.780+/-188.273 χ^2/NDF: 74.3/60

- sign 464.583+/-266.617 χ^2/NDF: 31.9/30

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1123.327+/-0.240 χ^2/NDF:31206.7/13

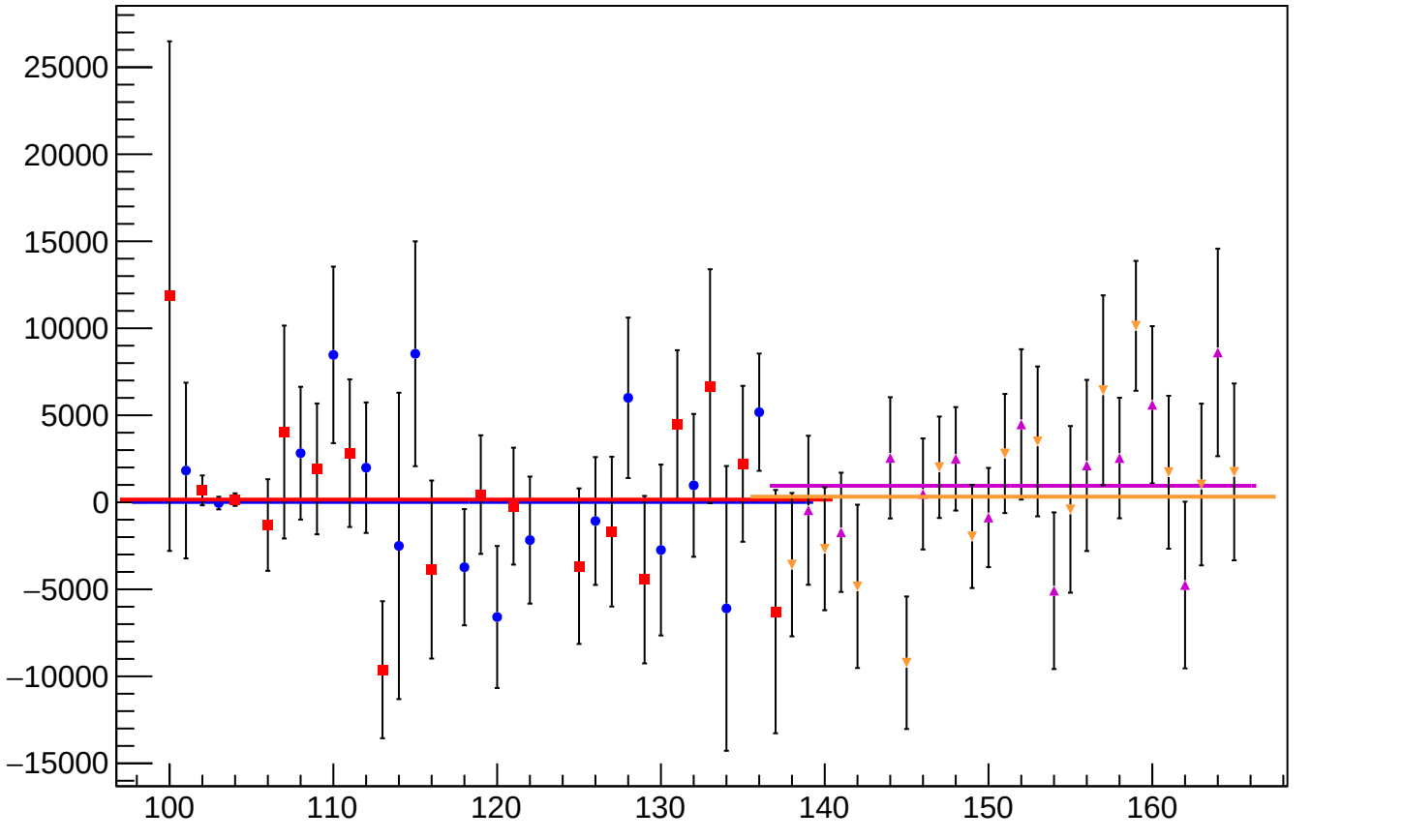
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1123.602+/-0.240 χ^2/NDF:26942.1/12

+ sign 1125.124+/-0.188 χ^2/NDF: 652748.9/29

All: 1127.118+/-0.133 χ^2/NDF: 901920.2/60

- sign 1129.121+/-0.188 χ^2/NDF: 248945.8/30



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 323.042+/-1048.246 χ^2/NDF:19.5/13

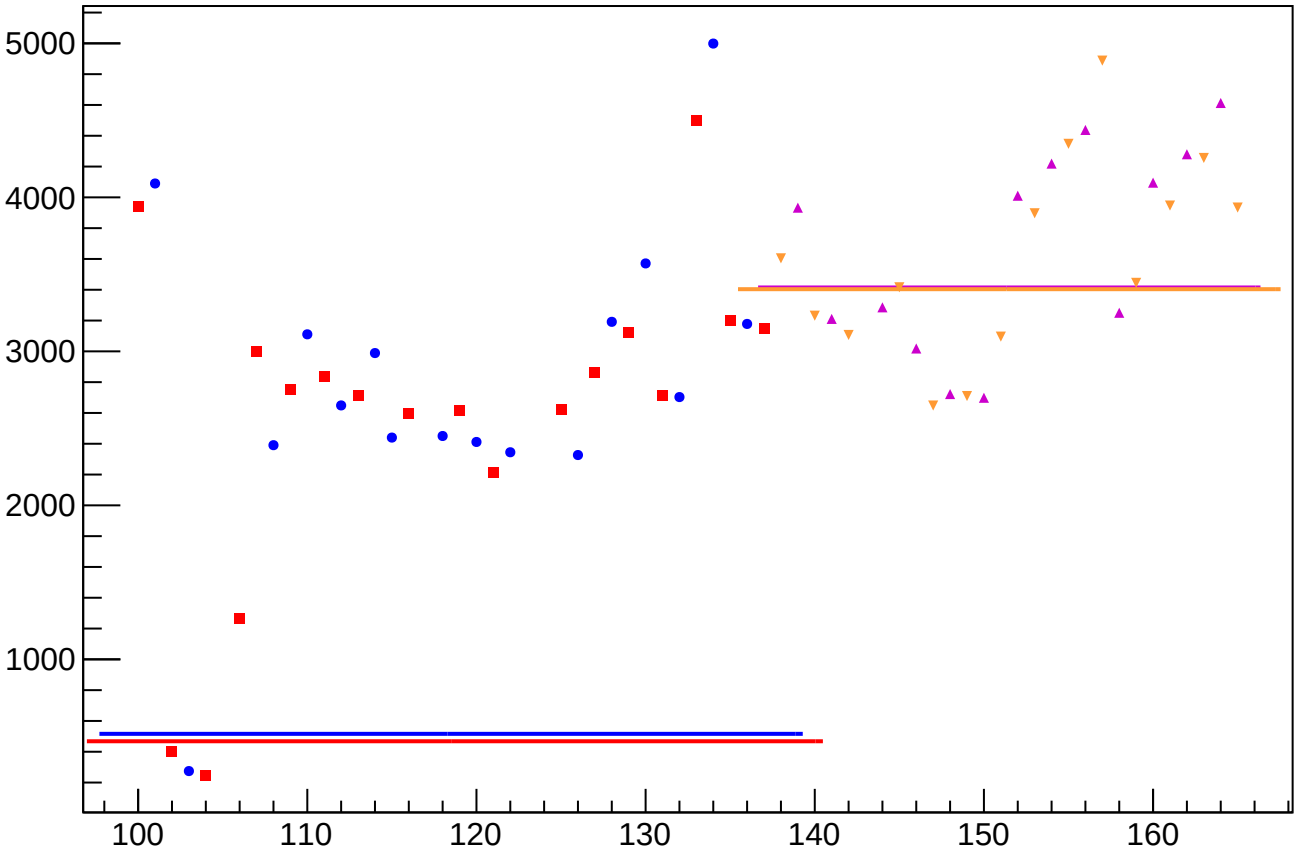
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 949.773+/-1051.237 χ^2/NDF:8.5/12

+ sign 51.029+/-327.301 χ^2/NDF: 34.4/29

All: 143.142+/-222.673 χ^2/NDF: 57.6/60

- sign 222.515+/-303.823 χ^2/NDF: 23.0/30



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3403.701+/-0.741 χ^2/NDF:649369.2/13

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

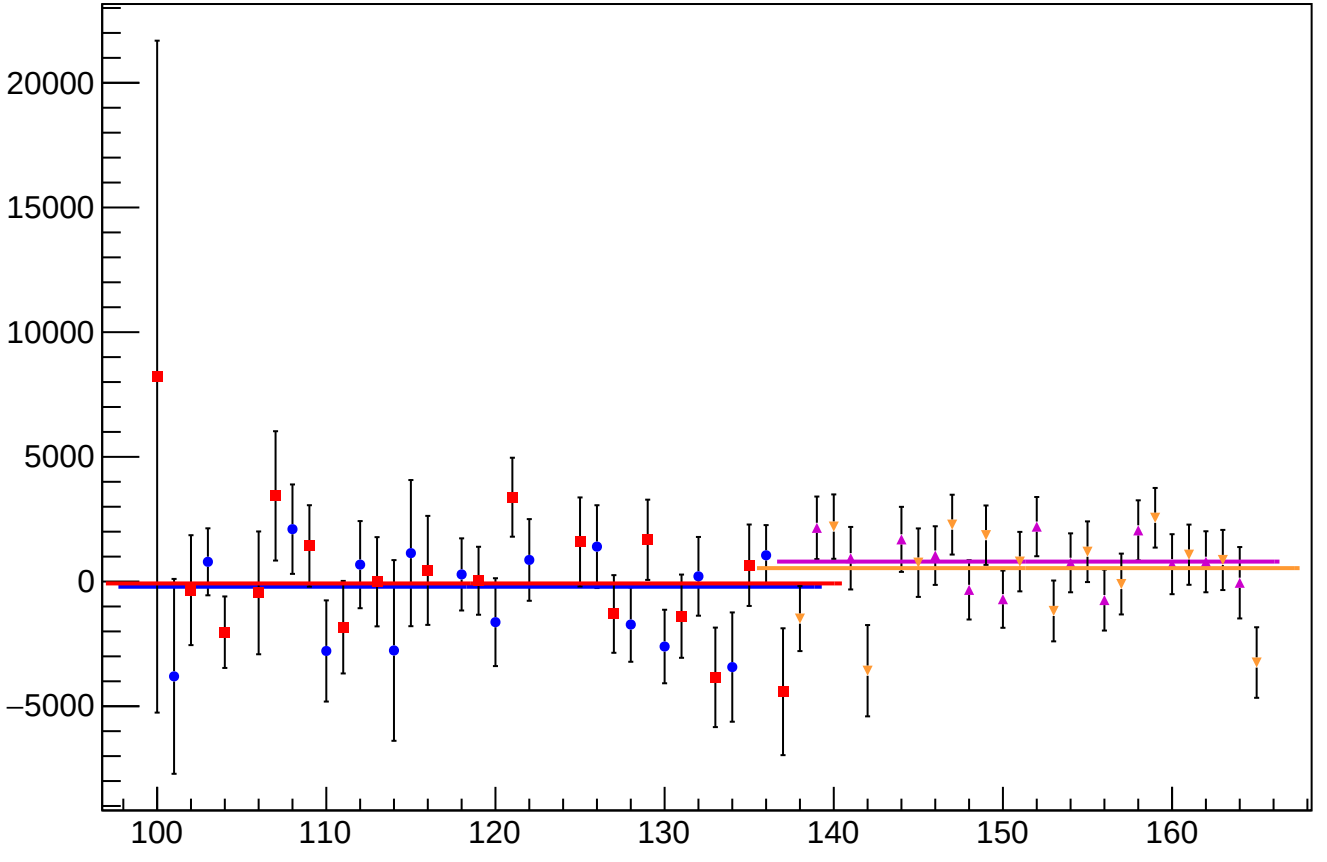
Left In: 3414.832+/-0.743 χ^2/NDF:688823.9/12

+ sign 797.794+/-0.231 χ^2/NDF: 24179287.2/29

All: 752.893+/-0.157 χ^2/NDF: 48451980.0/60

- sign 714.203+/-0.215 χ^2/NDF: 24202619.0/30

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: 537.965+/-338.760 χ^2/NDF:25.4/13

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

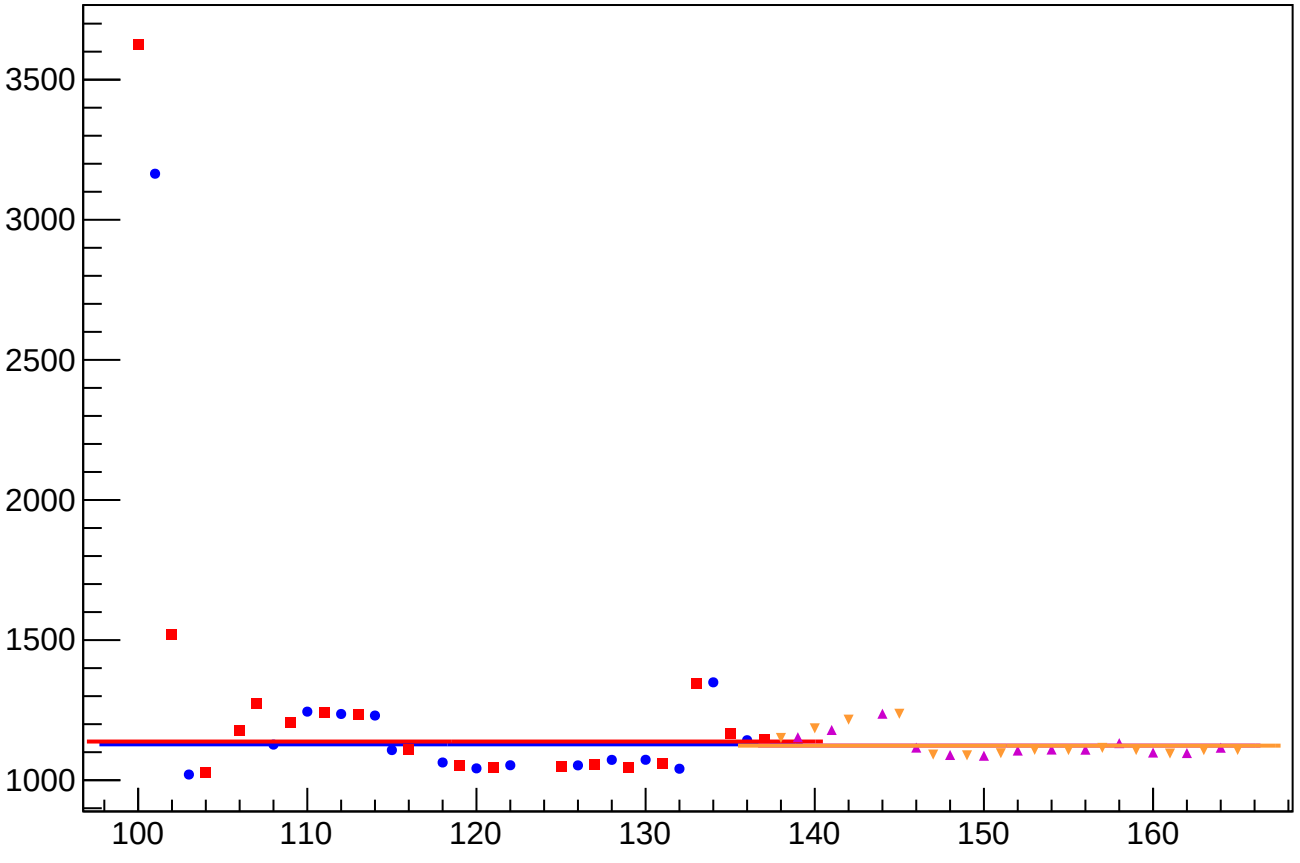
Left In: 800.130+/-339.451 χ^2/NDF:8.7/12

+ sign 251.551+/-265.901 χ^2/NDF: 42.0/29

All: 357.780+/-188.273 χ^2/NDF: 74.3/60

- sign 464.583+/-266.617 χ^2/NDF: 31.9/30

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: 1123.327+/-0.240 χ^2/NDF:31206.7/13

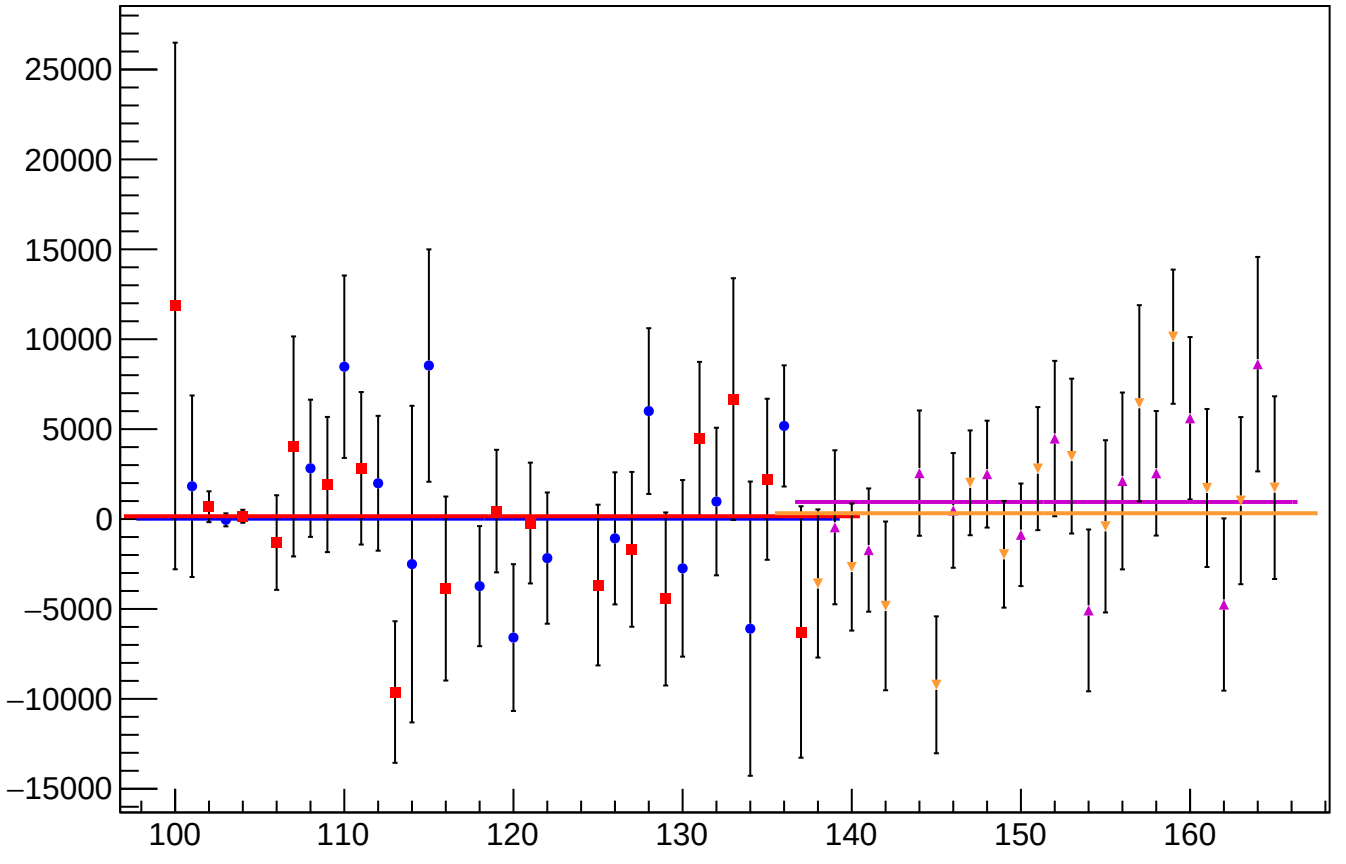
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1123.602+/-0.240 χ^2/NDF:26942.1/12

+ sign 1125.124+/-0.188 χ^2/NDF: 652748.9/29

All: 1127.118+/-0.133 χ^2/NDF: 901920.2/60

- sign 1129.121+/-0.188 χ^2/NDF: 248945.8/30



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 323.042+/-1048.246 χ^2/NDF:19.5/13

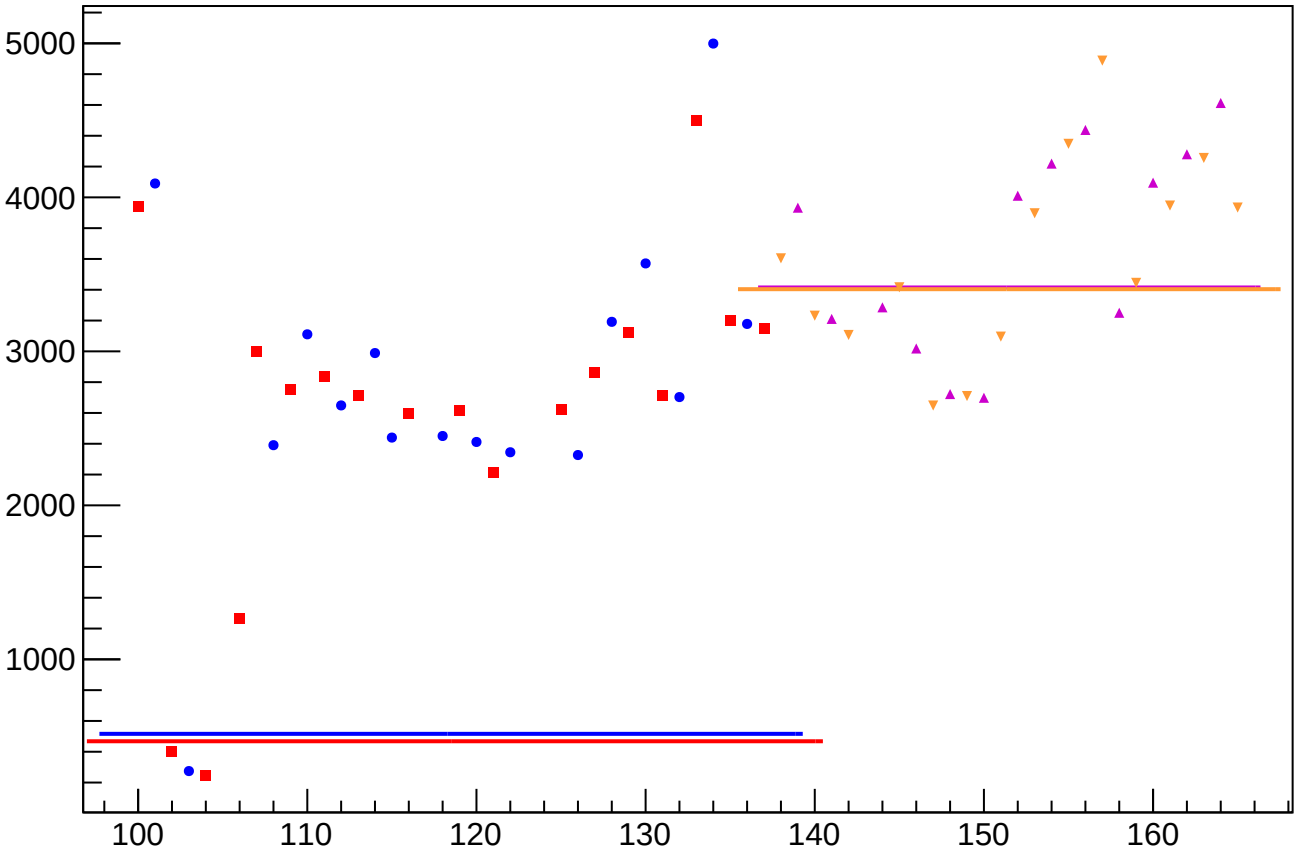
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 949.773+/-1051.237 χ^2/NDF:8.5/12

+ sign 51.029+/-327.301 χ^2/NDF: 34.4/29

All: 143.142+/-222.673 χ^2/NDF: 57.6/60

- sign 222.515+/-303.823 χ^2/NDF: 23.0/30



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3403.701+/-0.741 χ^2/NDF:649369.2/13

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

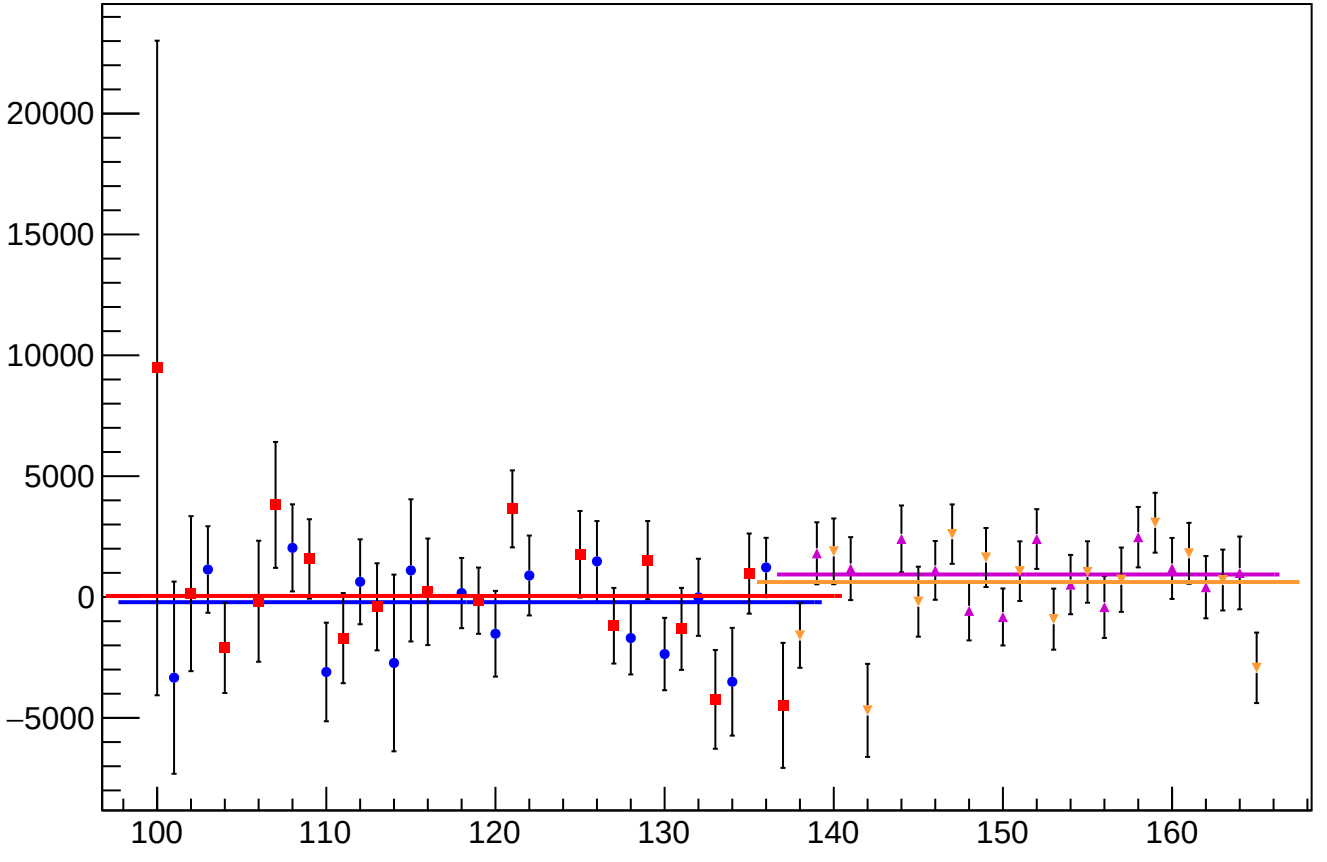
Left In: 3414.832+/-0.743 χ^2/NDF:688823.9/12

+ sign 797.794+/-0.231 χ^2/NDF: 24179287.2/29

All: 752.893+/-0.157 χ^2/NDF: 48451980.0/60

- sign 714.203+/-0.215 χ^2/NDF: 24202619.0/30

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 620.230+/-352.935 χ^2/NDF:27.3/13

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

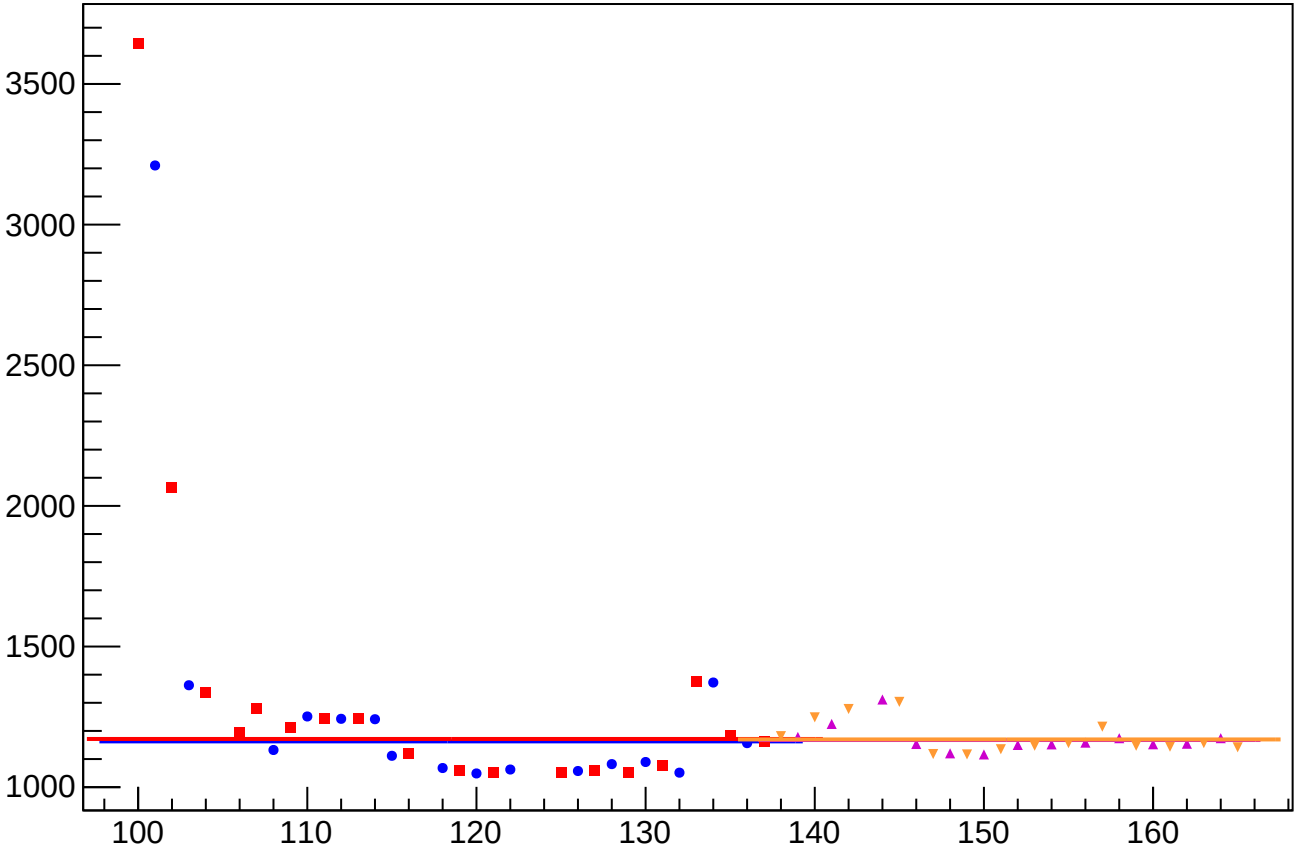
Left In: 933.395+/-352.870 χ^2/NDF:9.8/12

+ sign 296.395+/-275.964 χ^2/NDF: 43.8/29

All: 443.996+/-195.509 χ^2/NDF: 78.2/60

- sign 592.730+/-277.021 χ^2/NDF: 33.9/30

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1169.740+/-0.250 χ^2/NDF:44736.9/13

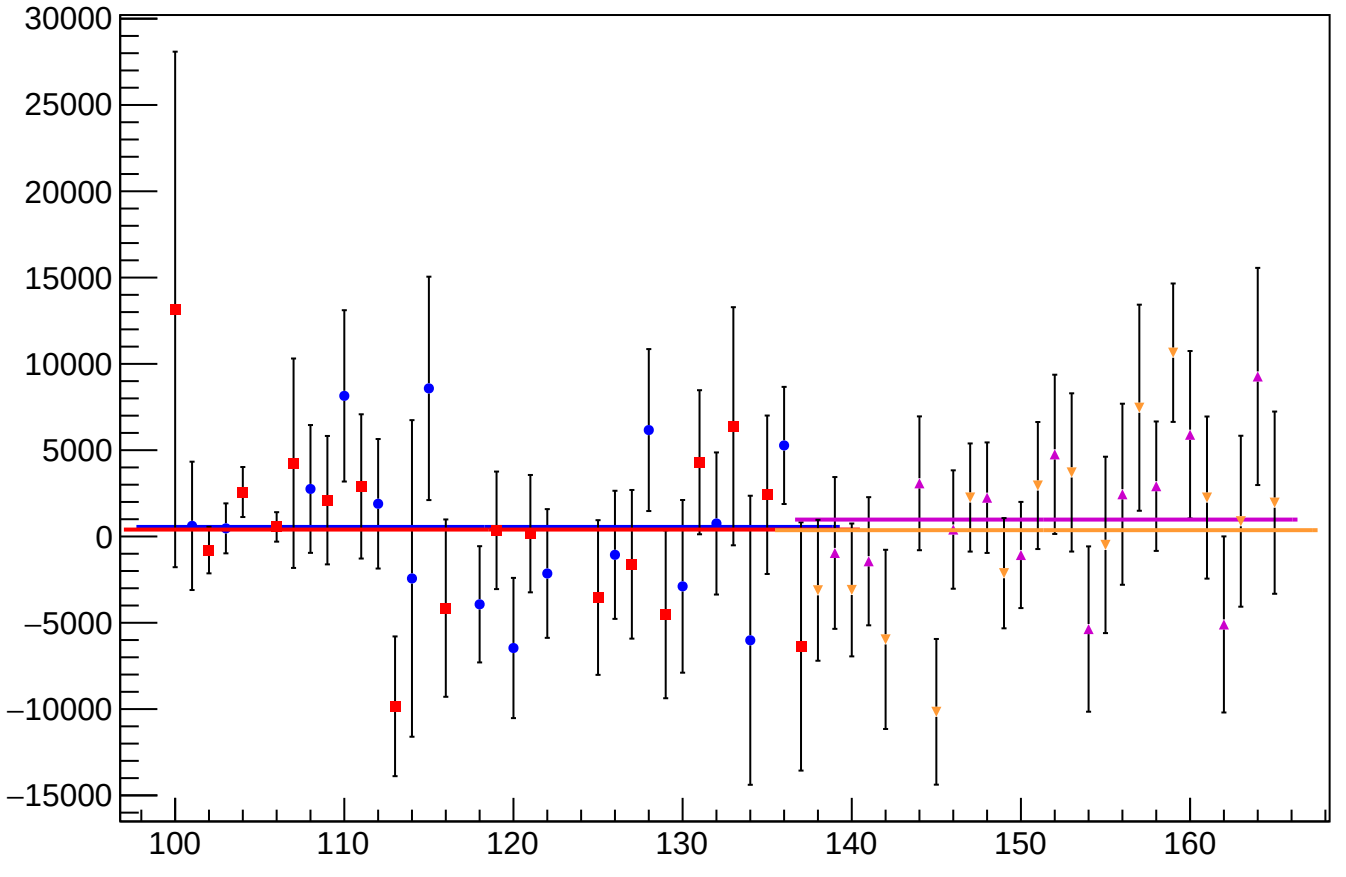
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1167.688+/-0.250 χ^2/NDF:34175.5/12

+ sign 1167.063+/-0.195 χ^2/NDF: 680386.4/29

All: 1168.088+/-0.138 χ^2/NDF: 1046344.1/60

- sign 1169.121+/-0.196 χ^2/NDF: 365902.2/30



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 365.277+/-1123.167 χ^2/NDF:19.5/13

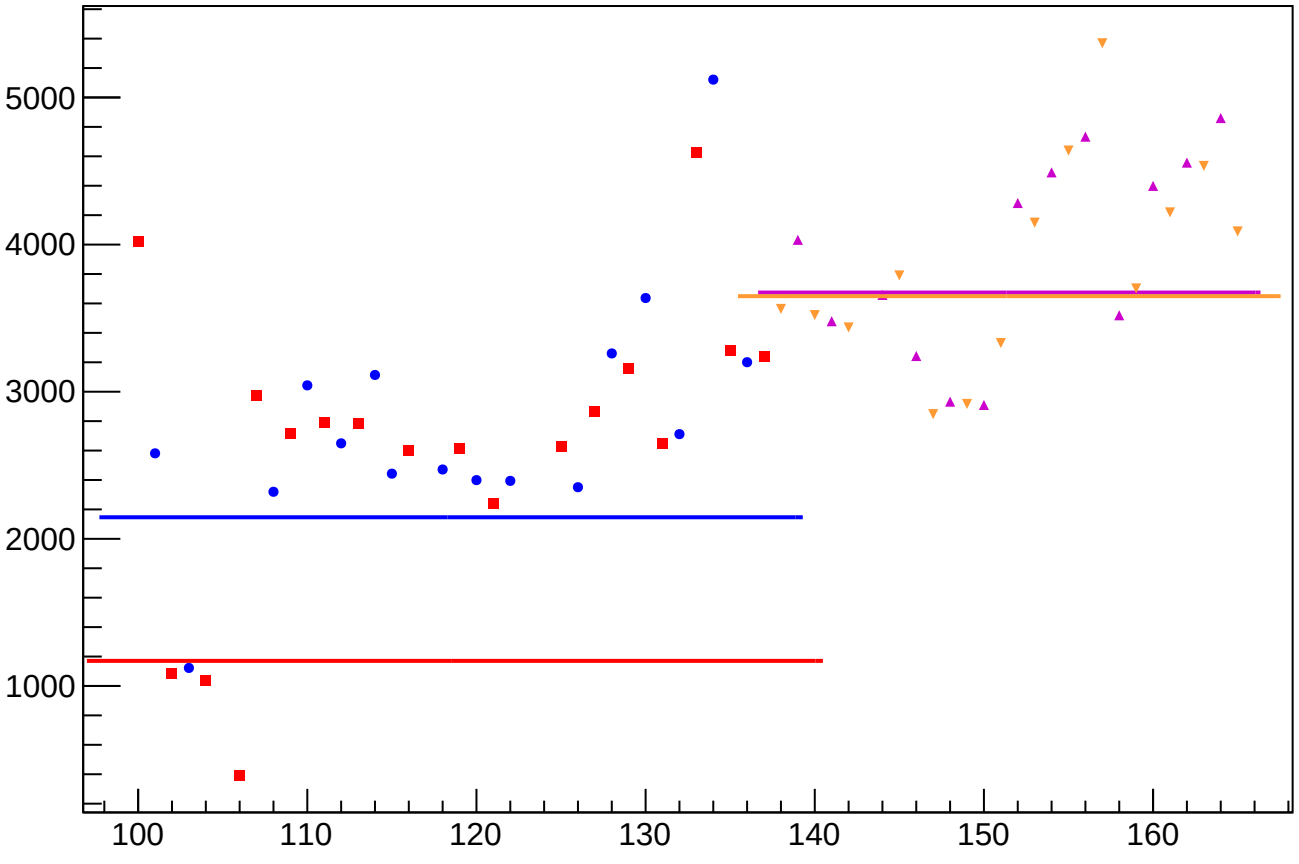
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 978.731+/-1129.902 χ^2/NDF:8.5/12

\+ sign 481.886+/-689.830 χ^2/NDF: 33.9/29

All: 504.323+/-407.988 χ^2/NDF: 59.3/60

\- sign 516.393+/-505.965 χ^2/NDF: 25.4/30



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3649.326+/-0.794 χ^2/NDF:632100.4/13

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

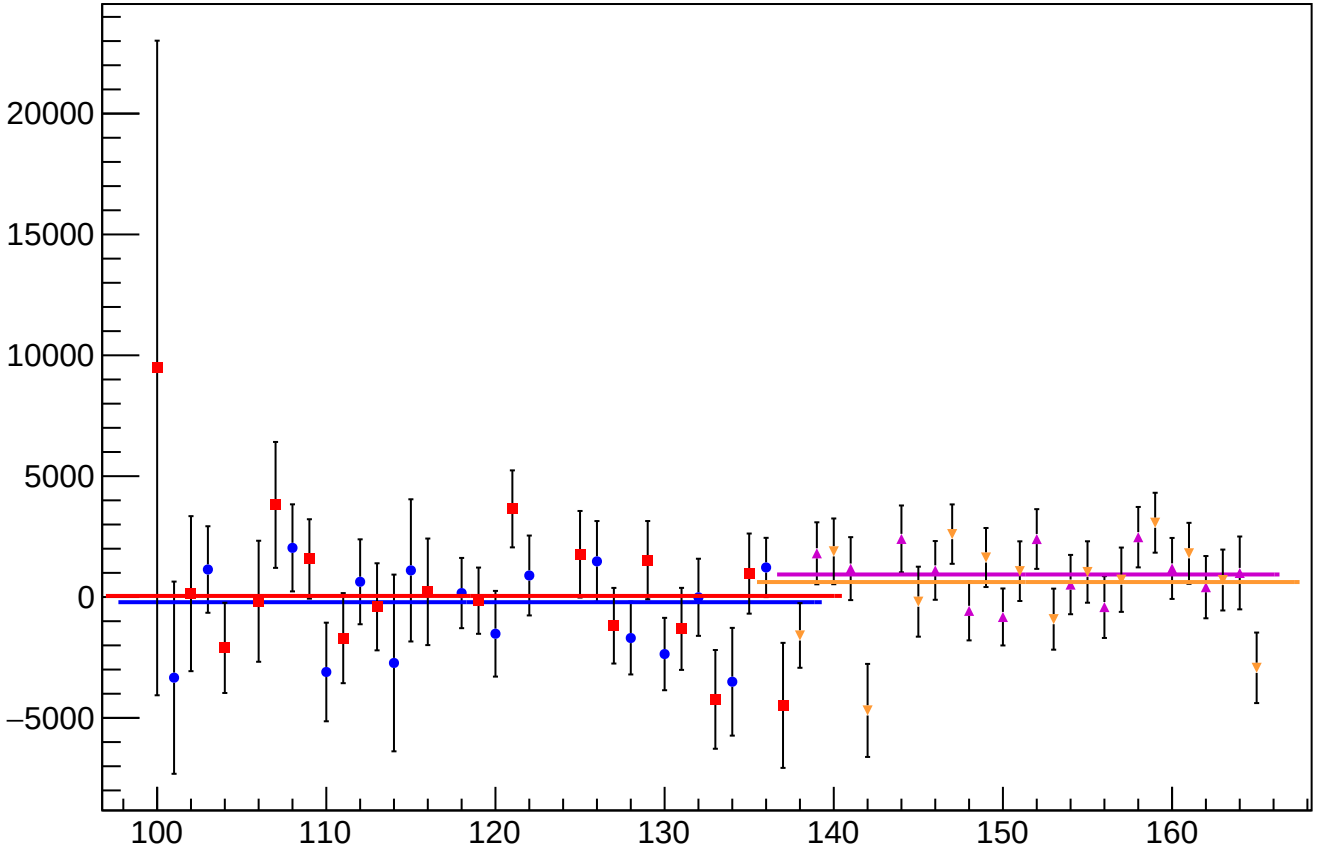
Left In: 3674.132+/-0.799 χ^2/NDF:634789.7/12

+ sign 2713.470+/-0.488 χ^2/NDF: 4836419.5/29

All: 2036.681+/-0.288 χ^2/NDF: 22099445.0/6

- sign 1672.590+/-0.358 χ^2/NDF: 14302289.8/30

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: 620.233+/-352.936 χ^2/NDF:27.3/13

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

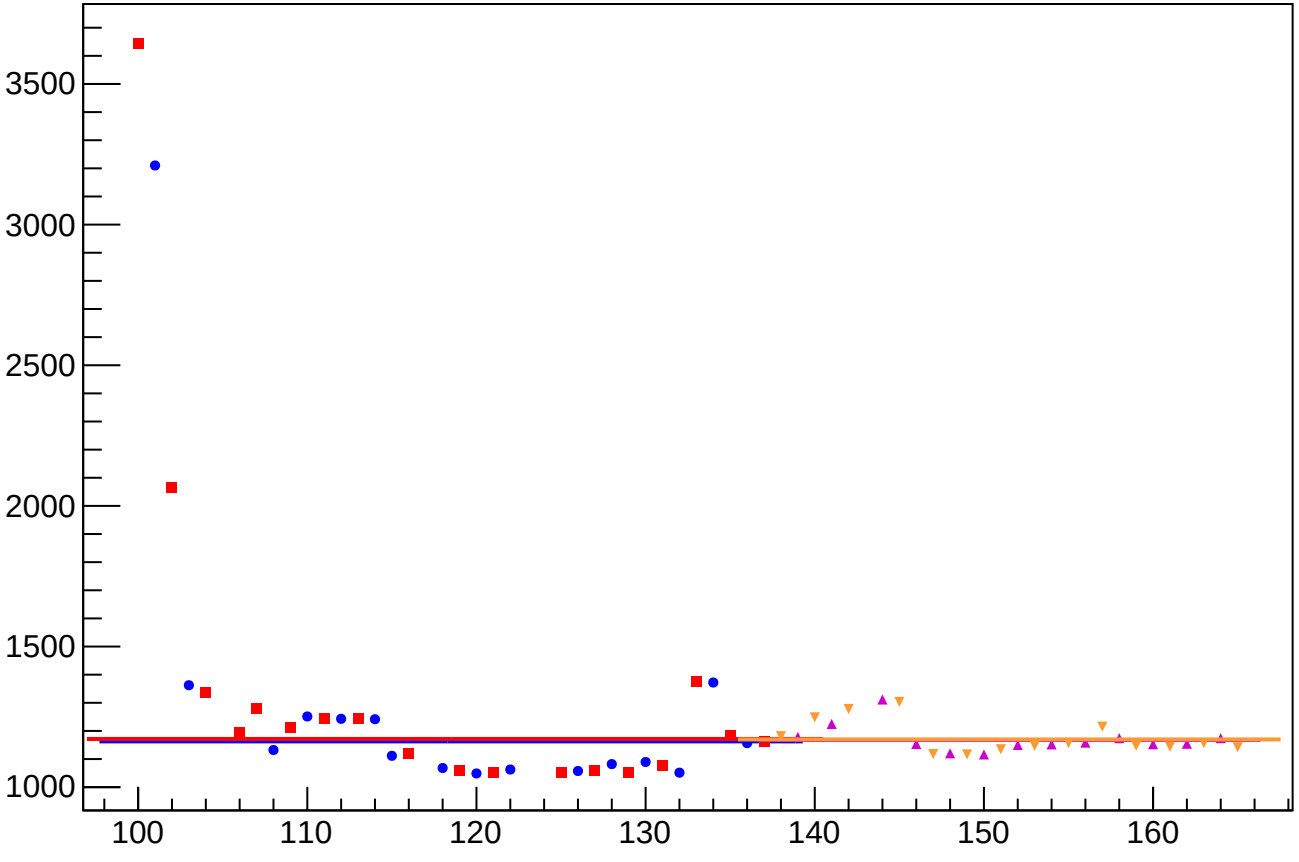
Left In: 933.395+/-352.870 χ^2/NDF:9.8/12

+ sign 296.395+/-275.964 χ^2/NDF: 43.8/29

All: 443.997+/-195.509 χ^2/NDF: 78.2/60

- sign 592.731+/-277.021 χ^2/NDF: 33.9/30

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: 1169.741+/-0.250 χ^2/NDF:44737.2/13

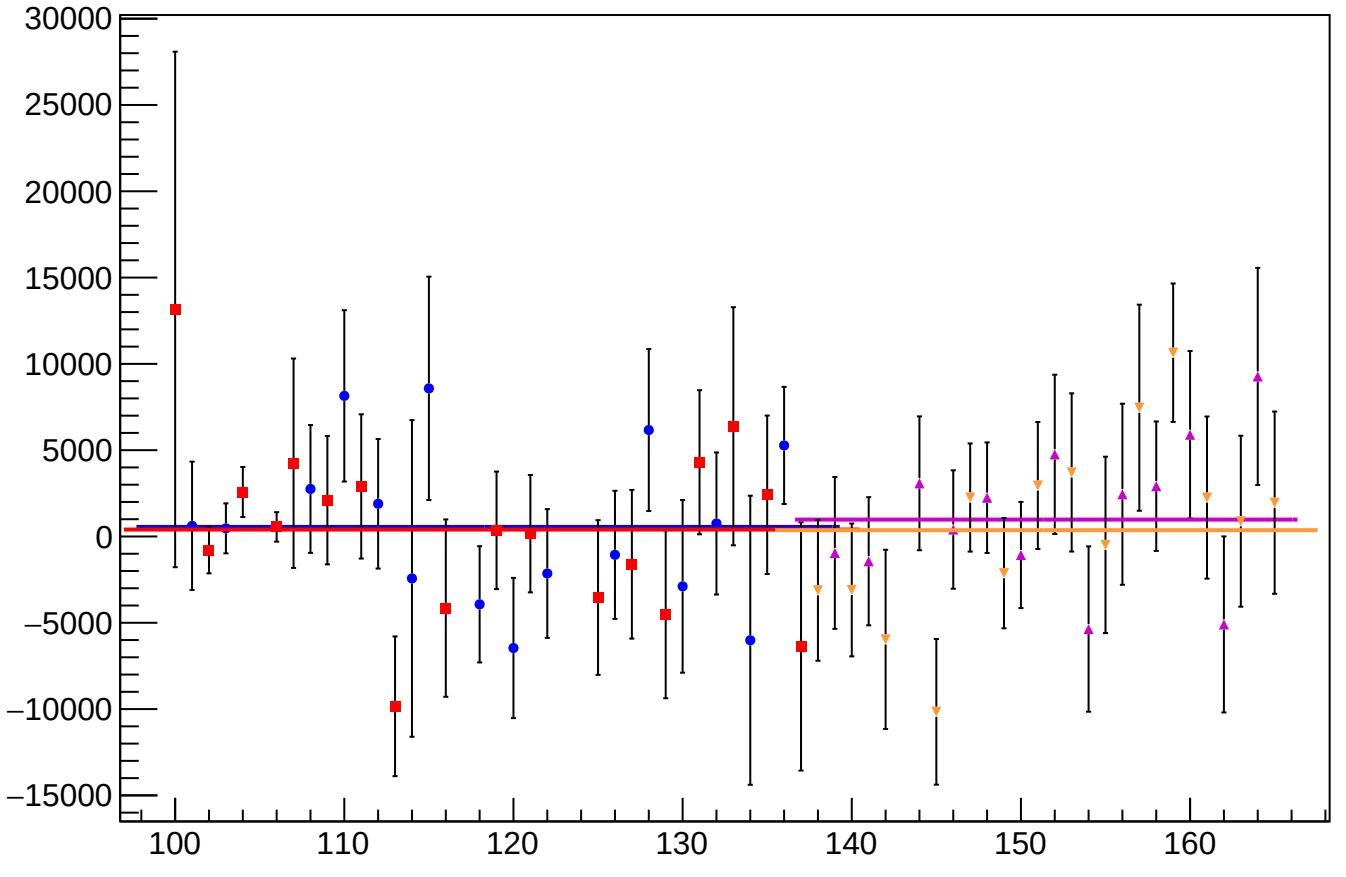
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1167.689+/-0.250 χ^2/NDF:34175.7/12

+ sign 1167.064+/-0.195 χ^2/NDF: 680386.9/29

All: 1168.089+/-0.138 χ^2/NDF: 1046344.3/60

- sign 1169.122+/-0.196 χ^2/NDF: 365902.0/30



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 365.277+/-1123.168 χ^2/NDF:19.5/13

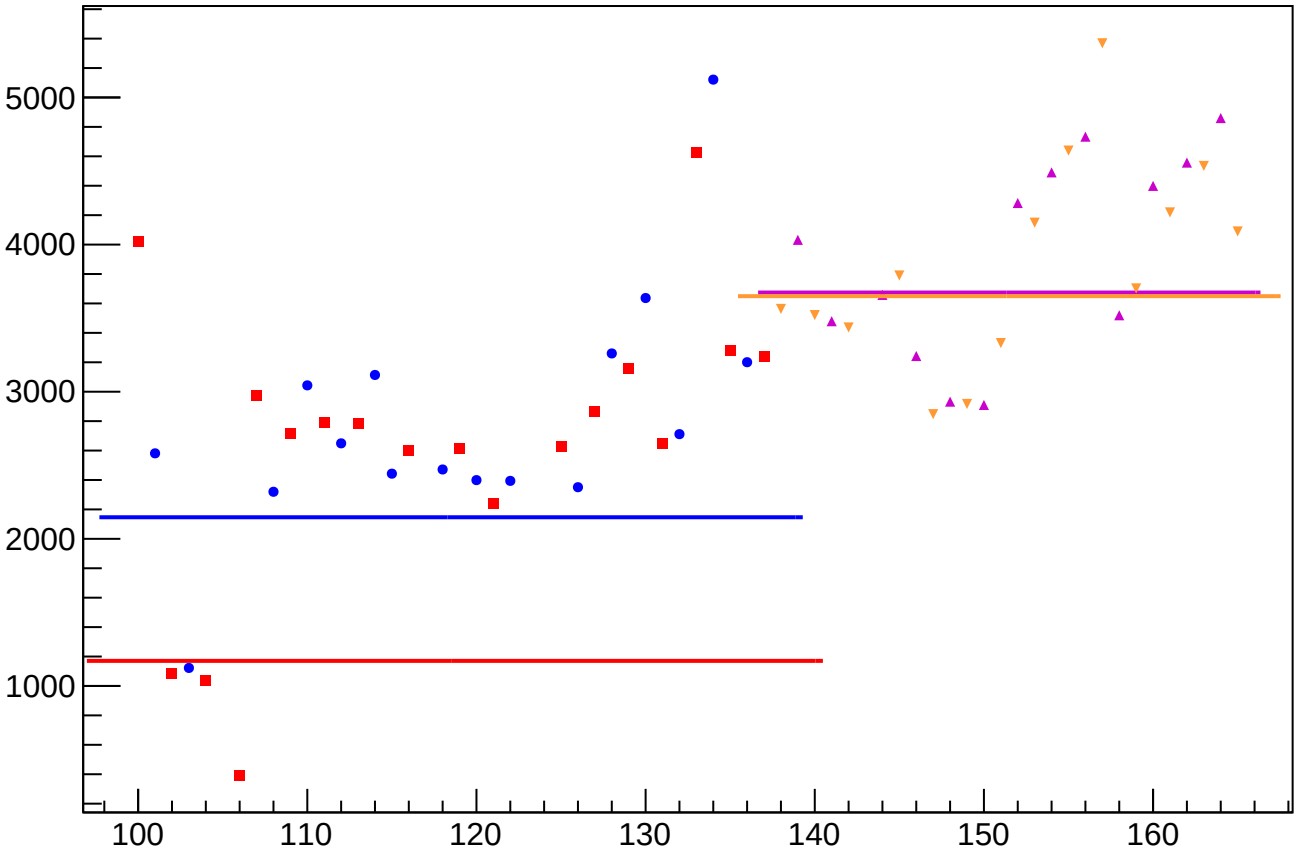
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 978.728+/-1129.904 χ^2/NDF:8.5/12

+ sign 481.882+/-689.830 χ^2/NDF: 33.9/29

All: 504.320+/-407.985 χ^2/NDF: 59.3/60

- sign 516.391+/-505.961 χ^2/NDF: 25.4/30



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3649.331+/-0.794 χ^2/NDF:632102.6/13

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

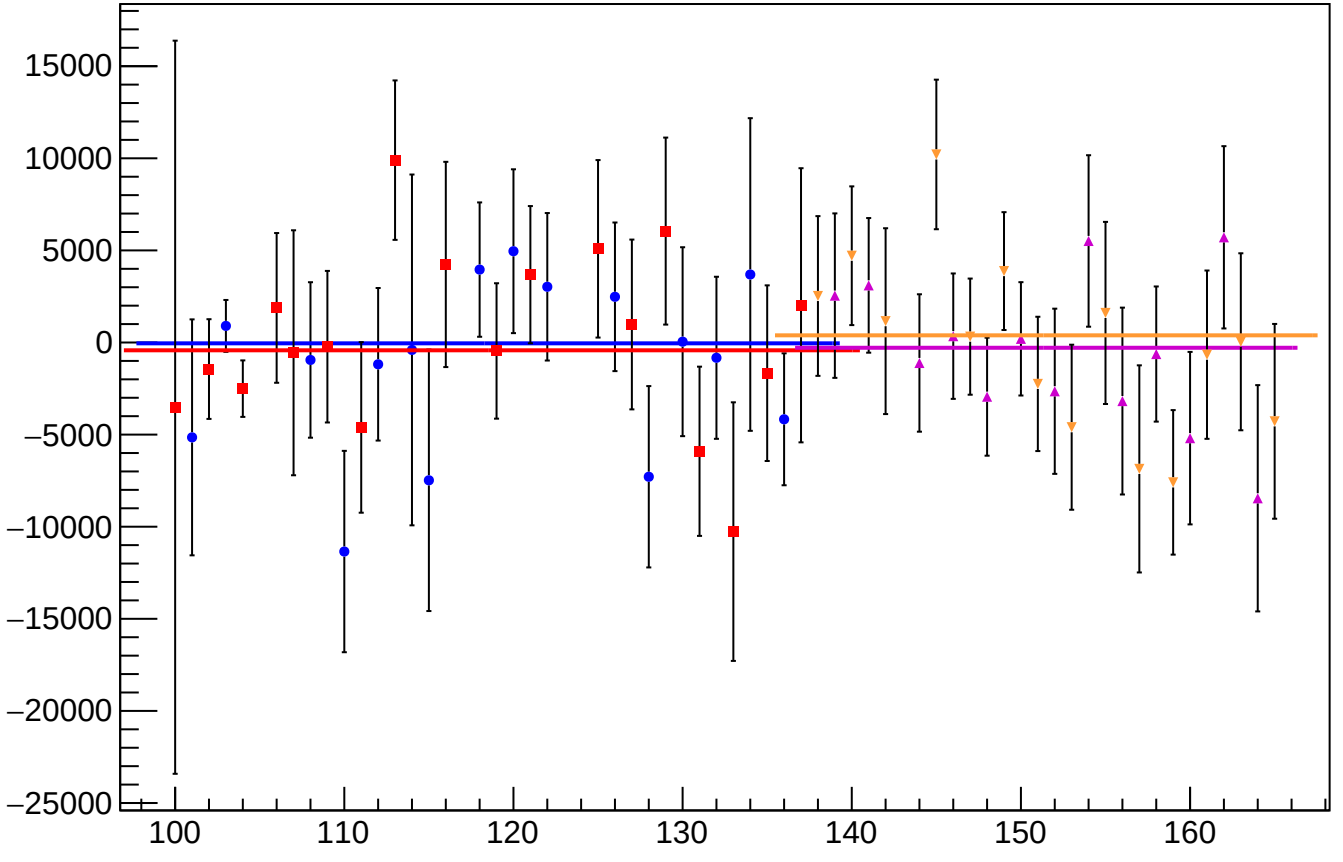
Left In: 3674.137+/-0.799 χ^2/NDF:634791.4/12

+ sign 2713.467+/-0.488 χ^2/NDF: 4836439.1/29

All: 2036.658+/-0.288 χ^2/NDF: 22099956.5/6

- sign 1672.561+/-0.358 χ^2/NDF: 14302612.4/30

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 389.544+/-1109.993 χ^2/NDF:17.1/13

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

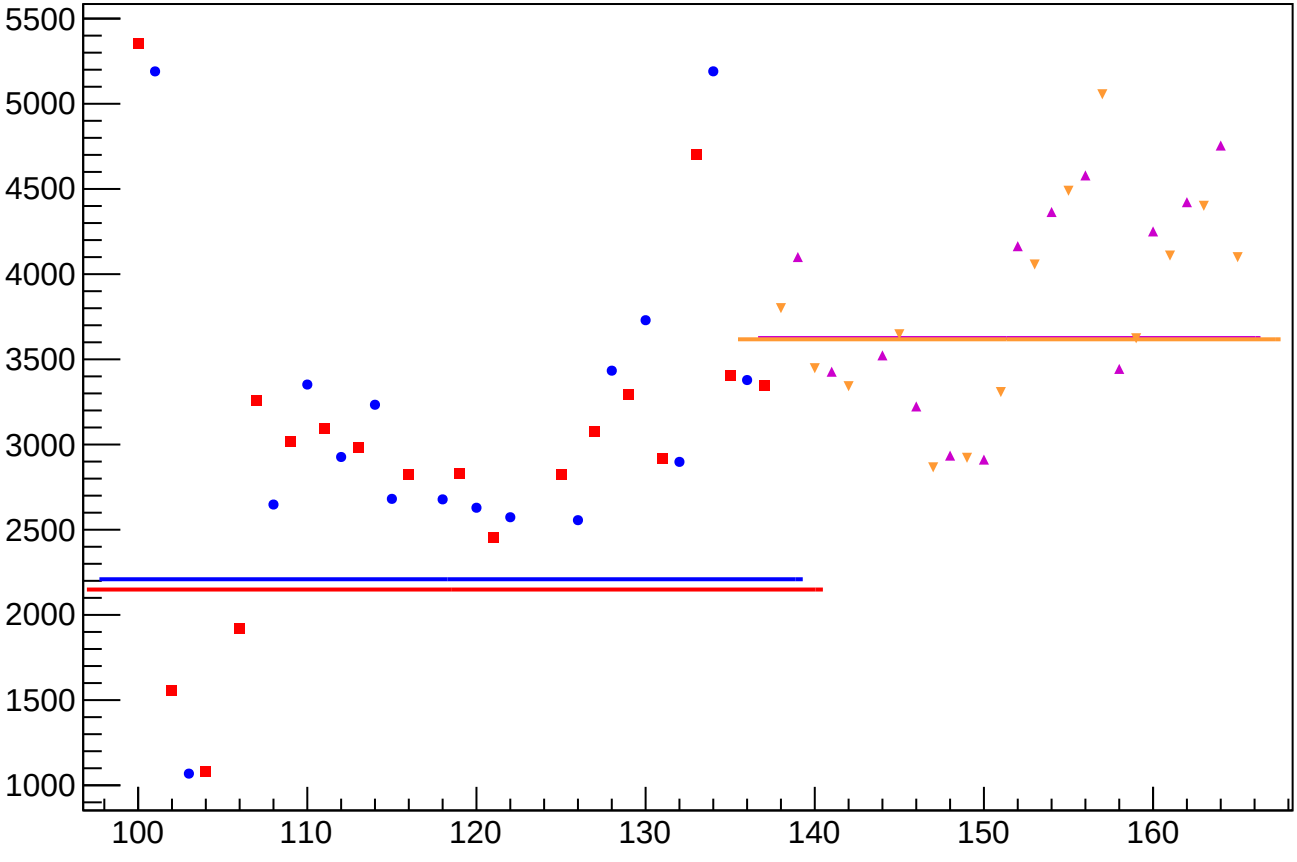
Left In: -285.815+/-1112.214 χ^2/NDF:8.6/12

+ sign 132.197+/-708.664 χ^2/NDF: 30.9/29

All: -122.290+/-497.322 χ^2/NDF: 57.1/60

- sign -369.243+/-698.095 χ^2/NDF: 25.9/30

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3617.622+/-0.785 χ^2/NDF:541556.3/13

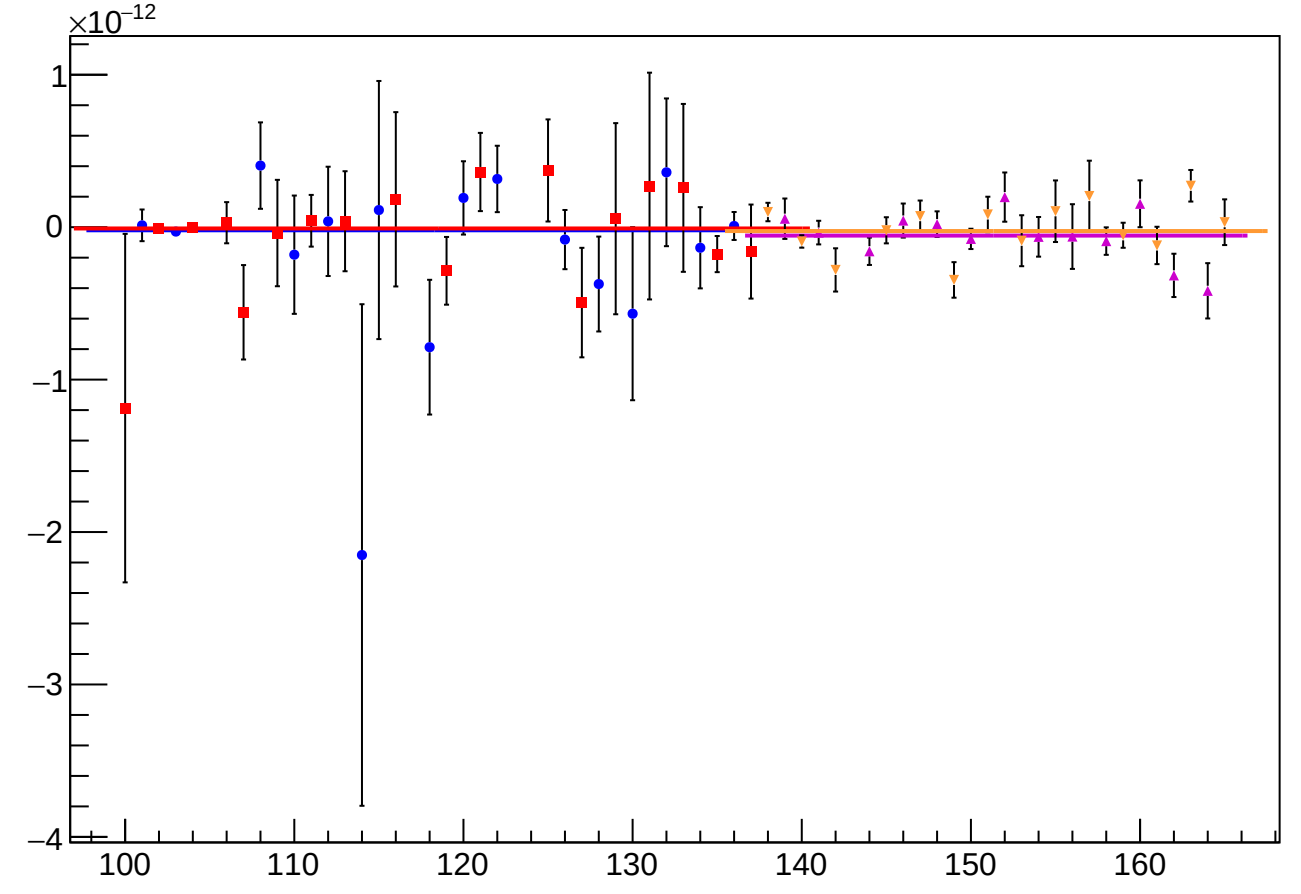
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3625.291+/-0.786 χ^2/NDF:568666.2/12

+ sign 2783.368+/-0.501 χ^2/NDF: 5285538.8/29

All: 2755.676+/-0.351 χ^2/NDF: 10269545.2/6

- sign 2728.882+/-0.493 χ^2/NDF: 4977997.6/30



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.3/13

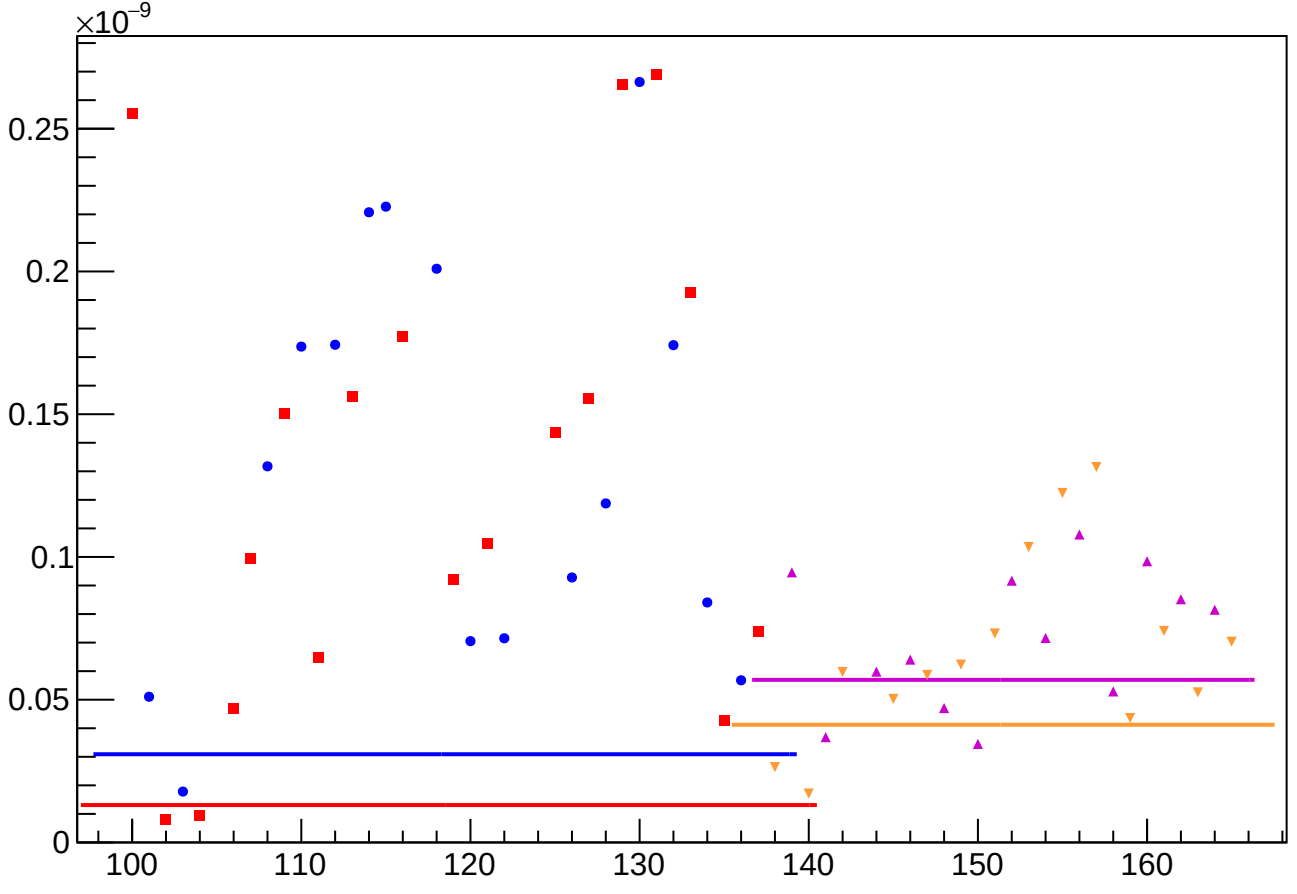
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:15.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/29

All: -0.000+/-0.000 χ^2/NDF: 75.6/60

- sign -0.000+/-0.000 χ^2/NDF: 31.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2296471.1/13

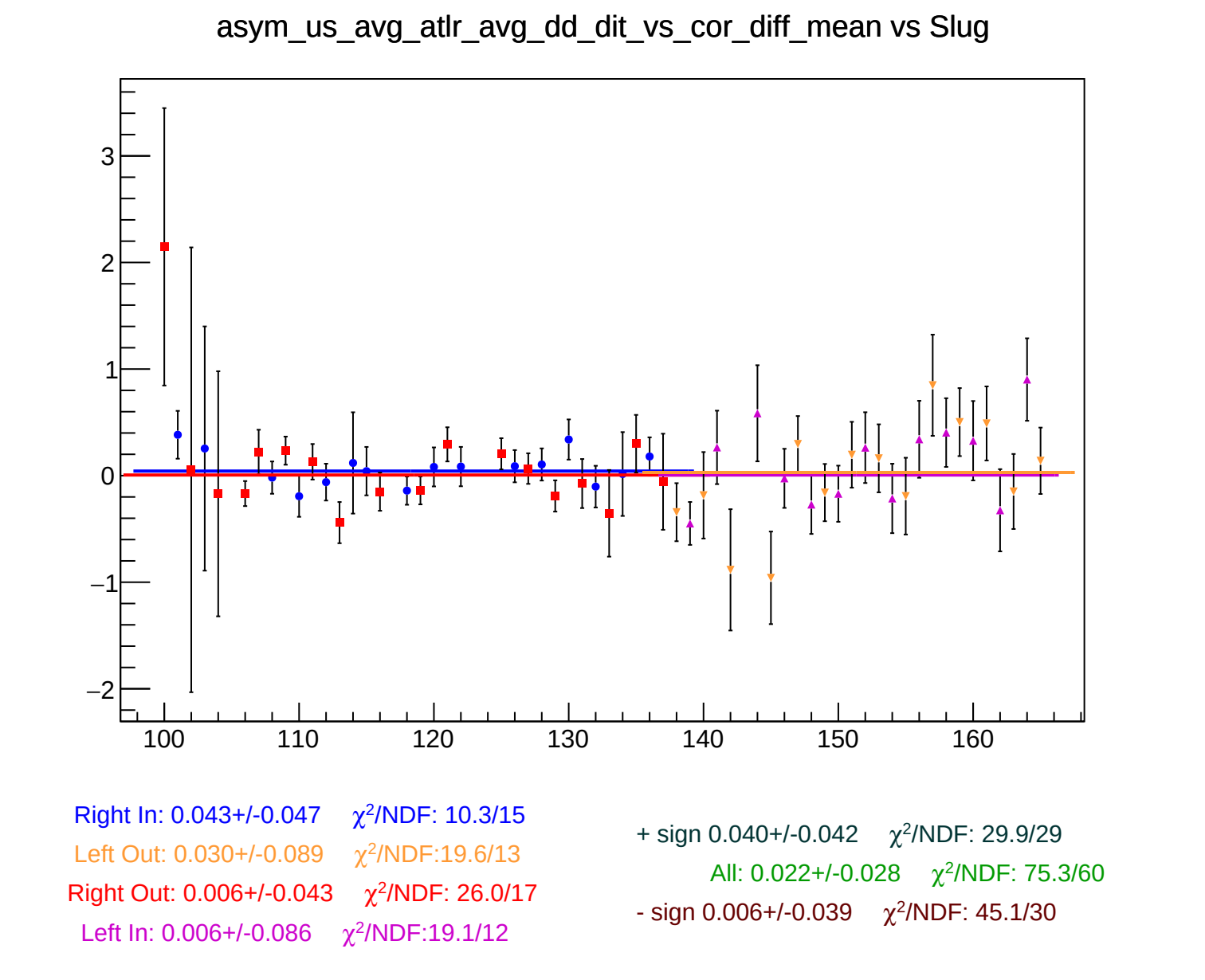
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

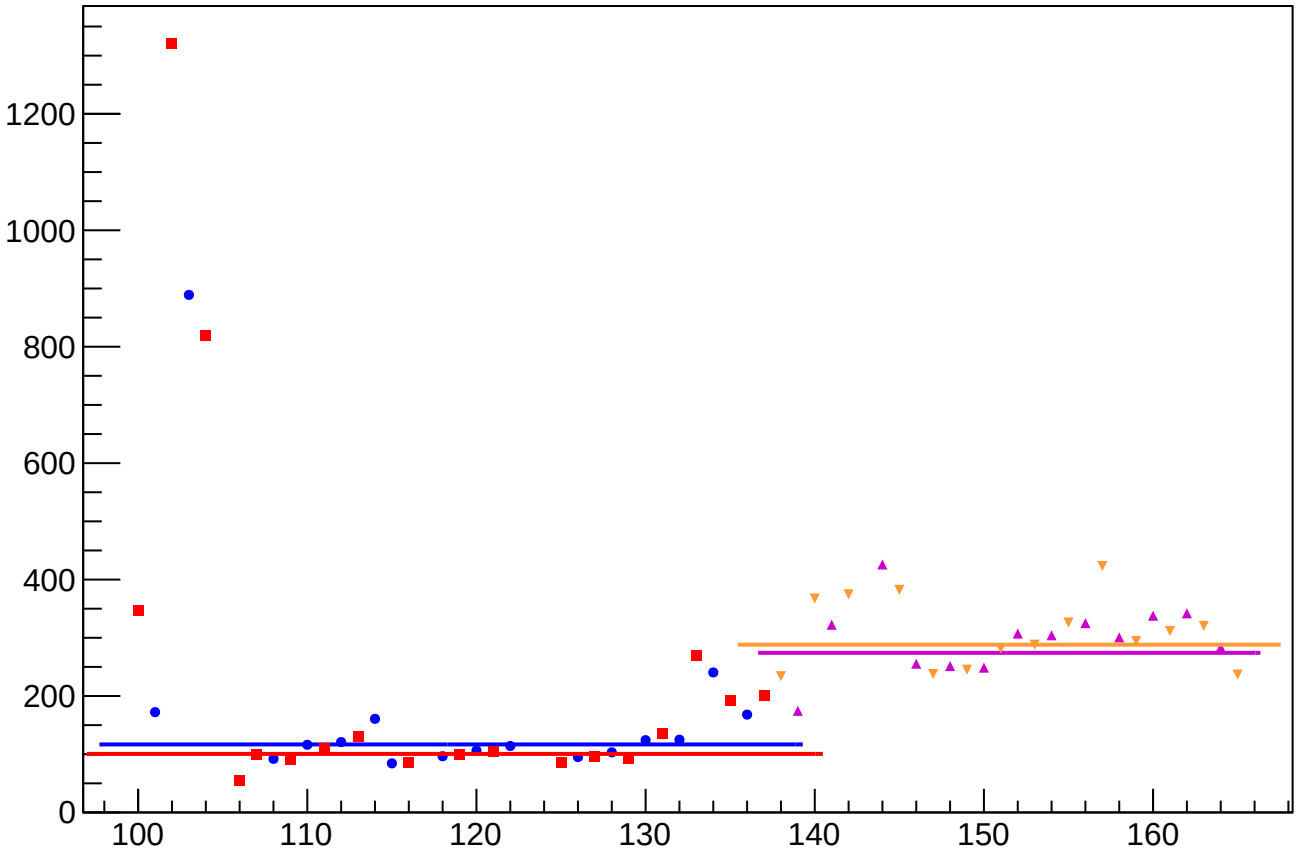
Left In: 0.000+/-0.000 χ^2/NDF:1058935.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 5468951.9/29

All: 0.000+/-0.000 χ^2/NDF: 14585726.4/60

- sign 0.000+/-0.000 χ^2/NDF: 8267359.5/30


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.030+/-0.089 χ²/NDF:19.6/13
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.006+/-0.086 χ²/NDF:19.1/12
+ sign 0.040+/-0.042 χ²/NDF: 29.9/29
All: 0.022+/-0.028 χ²/NDF: 75.3/60
- sign 0.006+/-0.039 χ²/NDF: 45.1/30



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.131+/-0.063 χ^2/NDF:687425.9/13

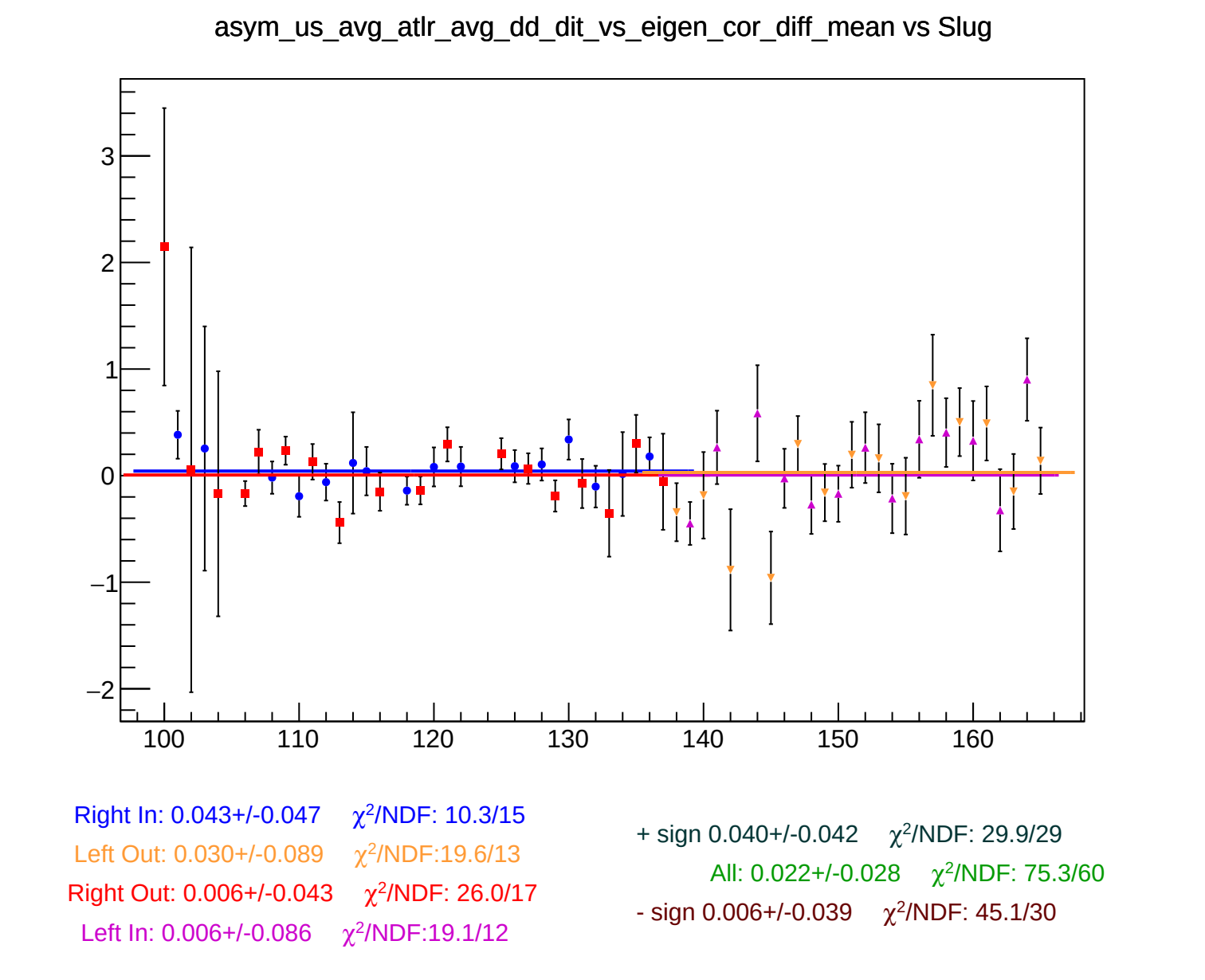
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

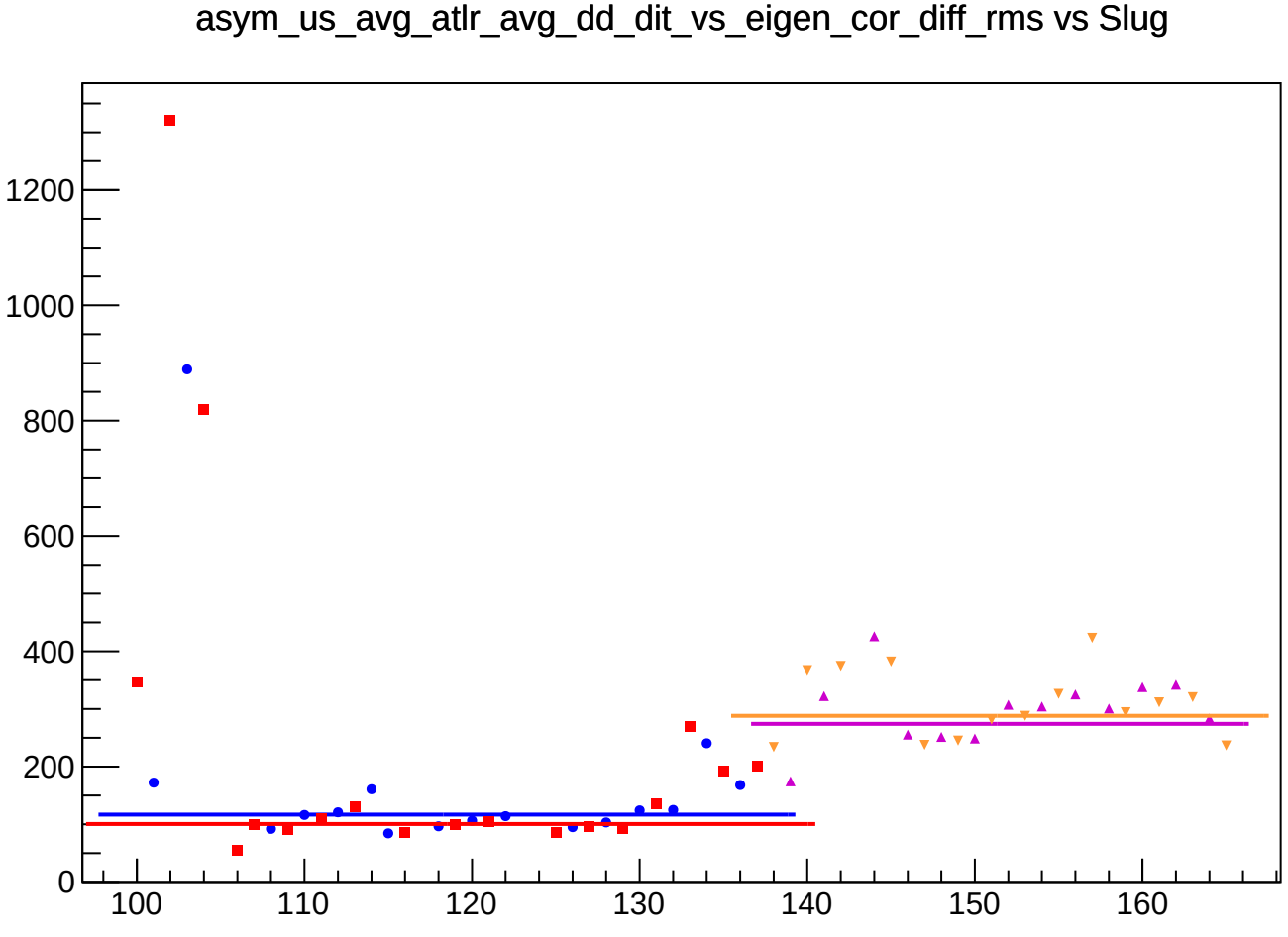
Left In: 274.167+/-0.061 χ^2/NDF:1009071.2/12

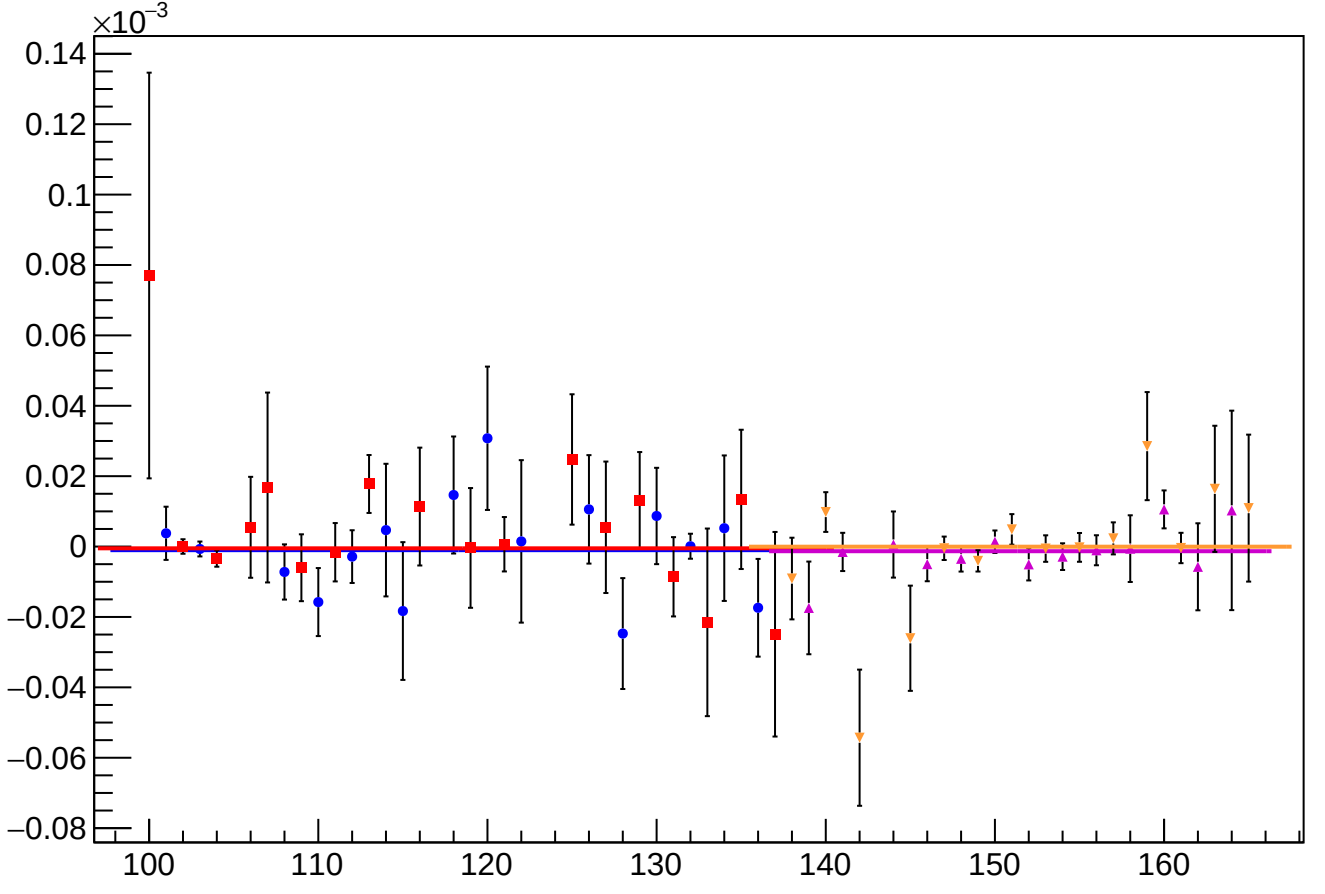
+ sign 154.551+/-0.030 χ^2/NDF: 8042292.4/29

All: 144.393+/-0.020 χ^2/NDF: 18423416.4/60

- sign 135.717+/-0.027 χ^2/NDF: 10163344.0/30


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.030+/-0.089 χ²/NDF:19.6/13
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.006+/-0.086 χ²/NDF:19.1/12
+ sign 0.040+/-0.042 χ²/NDF: 29.9/29
All: 0.022+/-0.028 χ²/NDF: 75.3/60
- sign 0.006+/-0.039 χ²/NDF: 45.1/30


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 116.841+/-0.034 χ²/NDF: 1620809.7/15
Left Out: 288.131+/-0.063 χ²/NDF:687425.9/13
Right Out: 100.544+/-0.031 χ²/NDF: 2664151.6/17
Left In: 274.167+/-0.061 χ²/NDF:1009071.2/12
+ sign 154.551+/-0.030 χ²/NDF: 8042292.4/29
All: 144.393+/-0.020 χ²/NDF: 18423416.4/60
- sign 135.717+/-0.027 χ²/NDF: 10163344.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.5/13

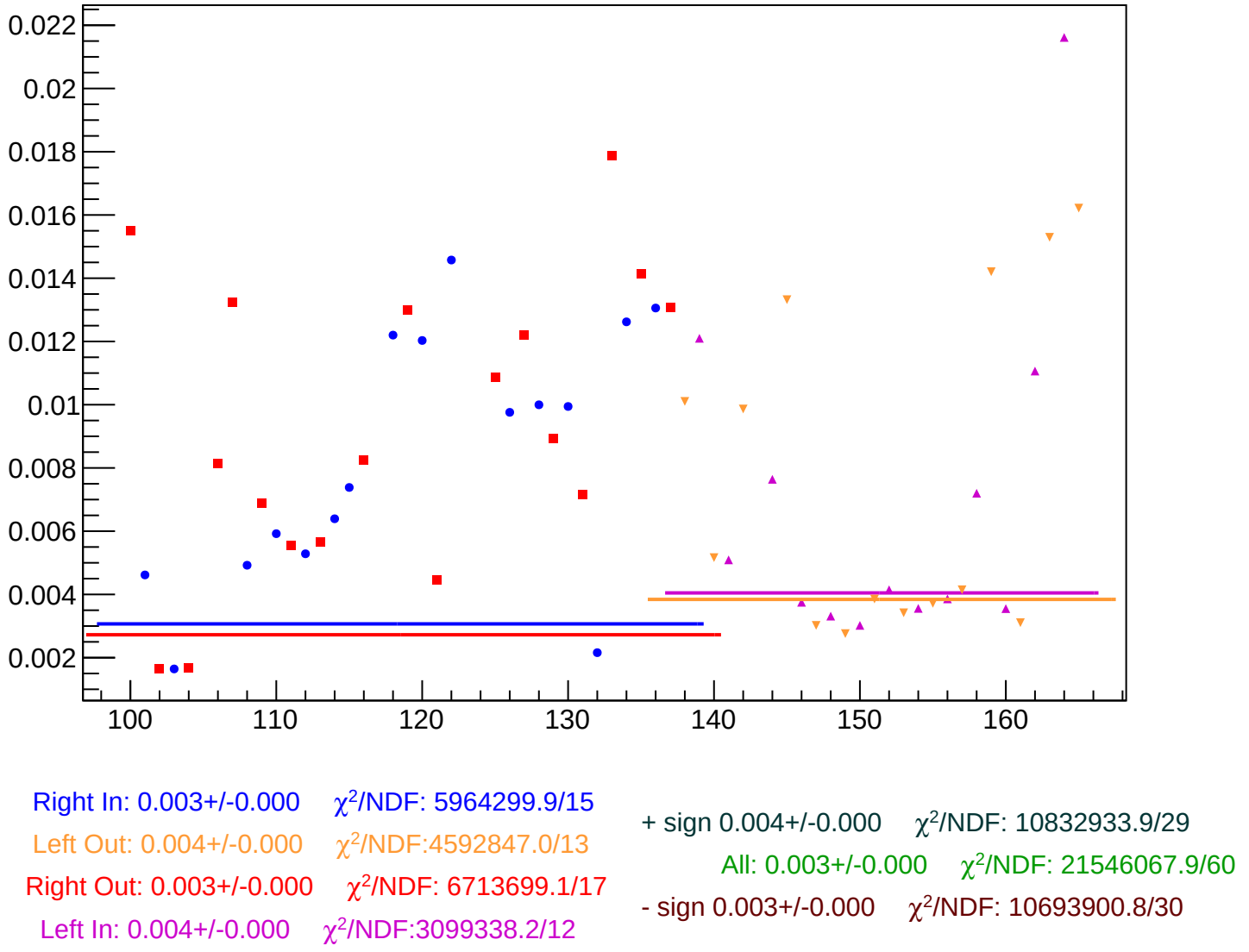
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

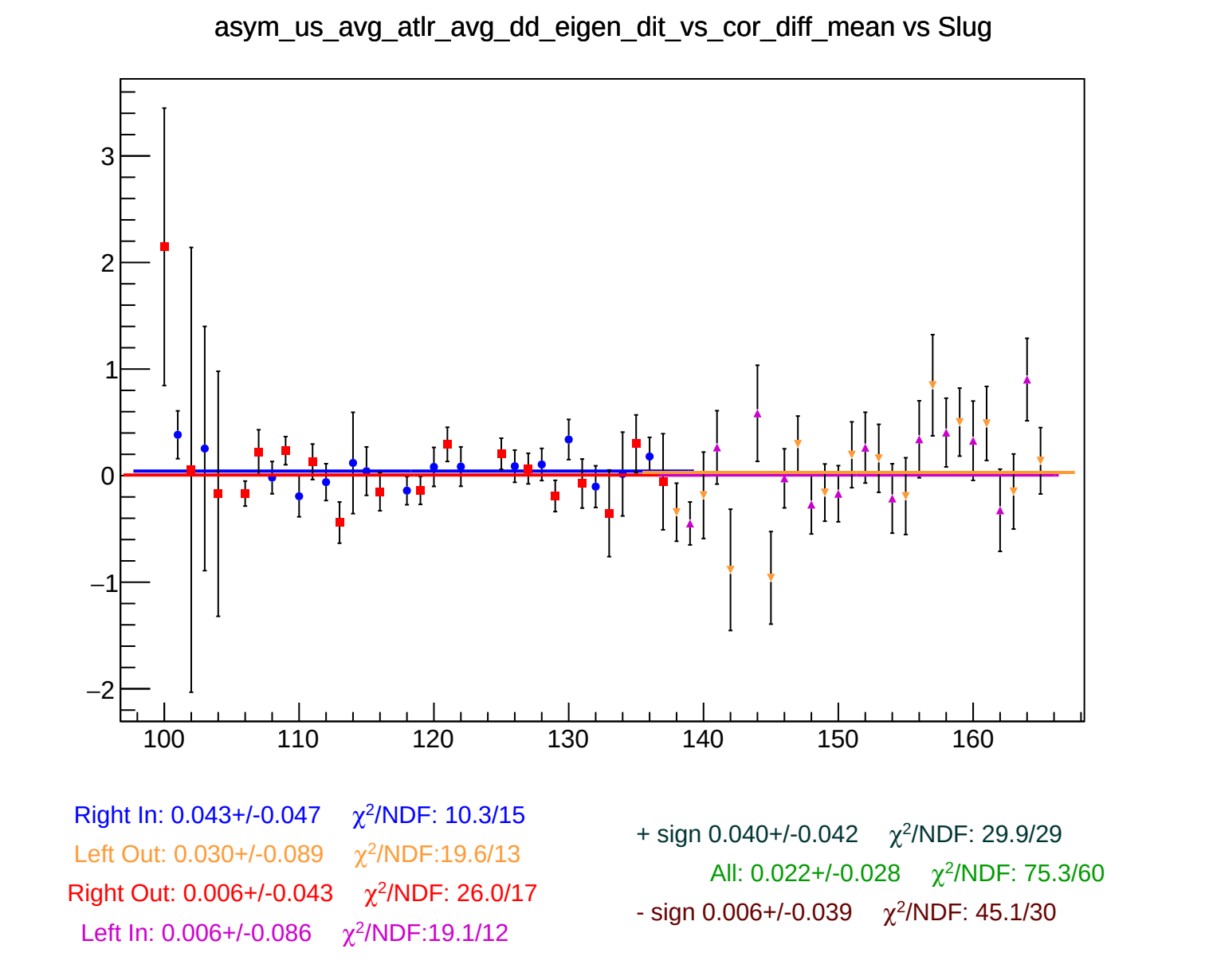
Left In: -0.000+/-0.000 χ^2/NDF:9.2/12

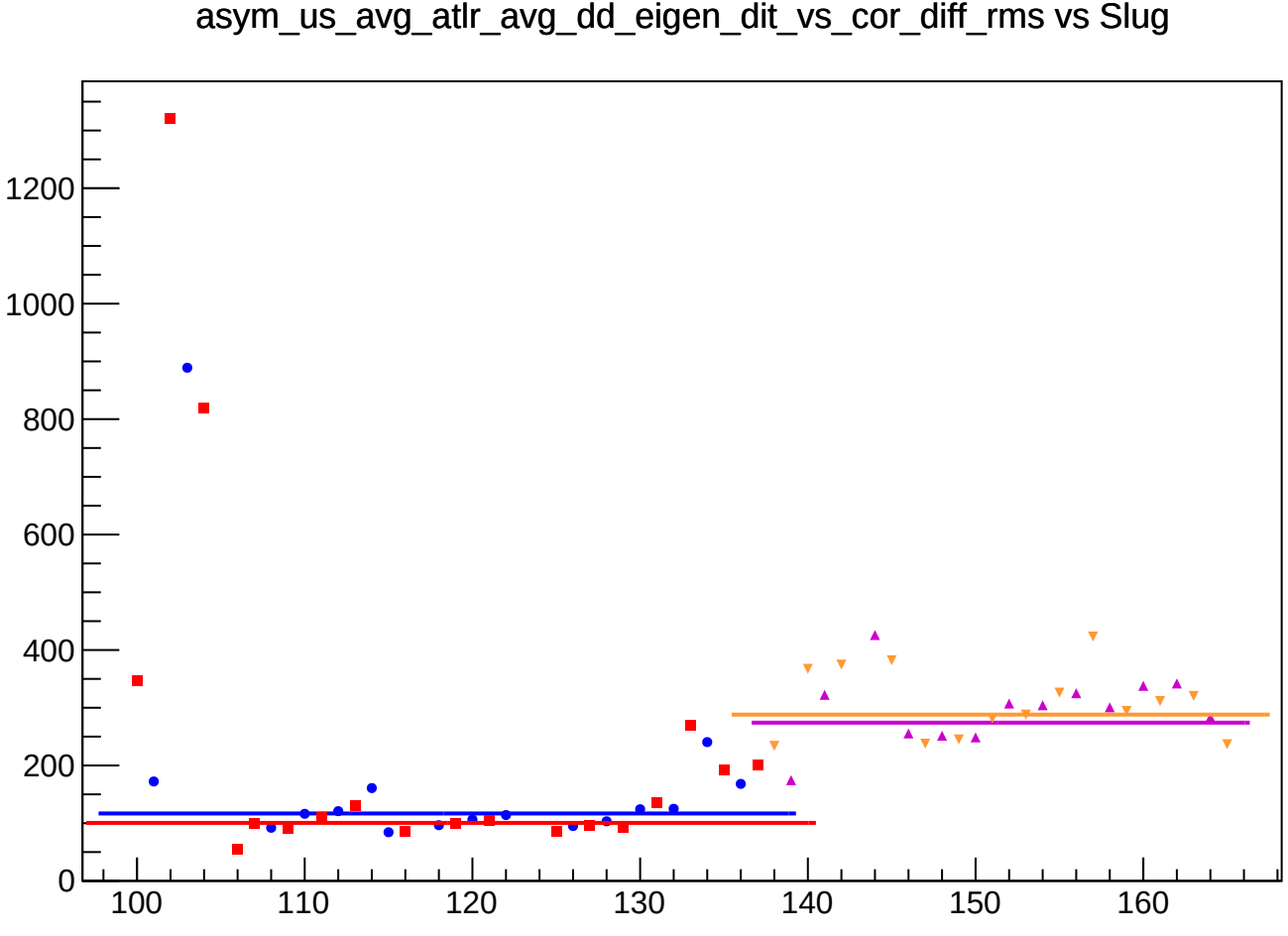
+ sign -0.000+/-0.000 χ^2/NDF: 35.3/29

All: -0.000+/-0.000 χ^2/NDF: 59.8/60

- sign -0.000+/-0.000 χ^2/NDF: 24.4/30


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:4592847.0/13
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.004+/-0.000 χ²/NDF:3099338.2/12
+ sign 0.004+/-0.000 χ²/NDF: 10832933.9/29
All: 0.003+/-0.000 χ²/NDF: 21546067.9/60
- sign 0.003+/-0.000 χ²/NDF: 10693900.8/30


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.030+/-0.089 χ²/NDF:19.6/13
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.006+/-0.086 χ²/NDF:19.1/12
+ sign 0.040+/-0.042 χ²/NDF: 29.9/29
All: 0.022+/-0.028 χ²/NDF: 75.3/60
- sign 0.006+/-0.039 χ²/NDF: 45.1/30



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.135+/-0.063 χ^2/NDF:687418.3/13

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

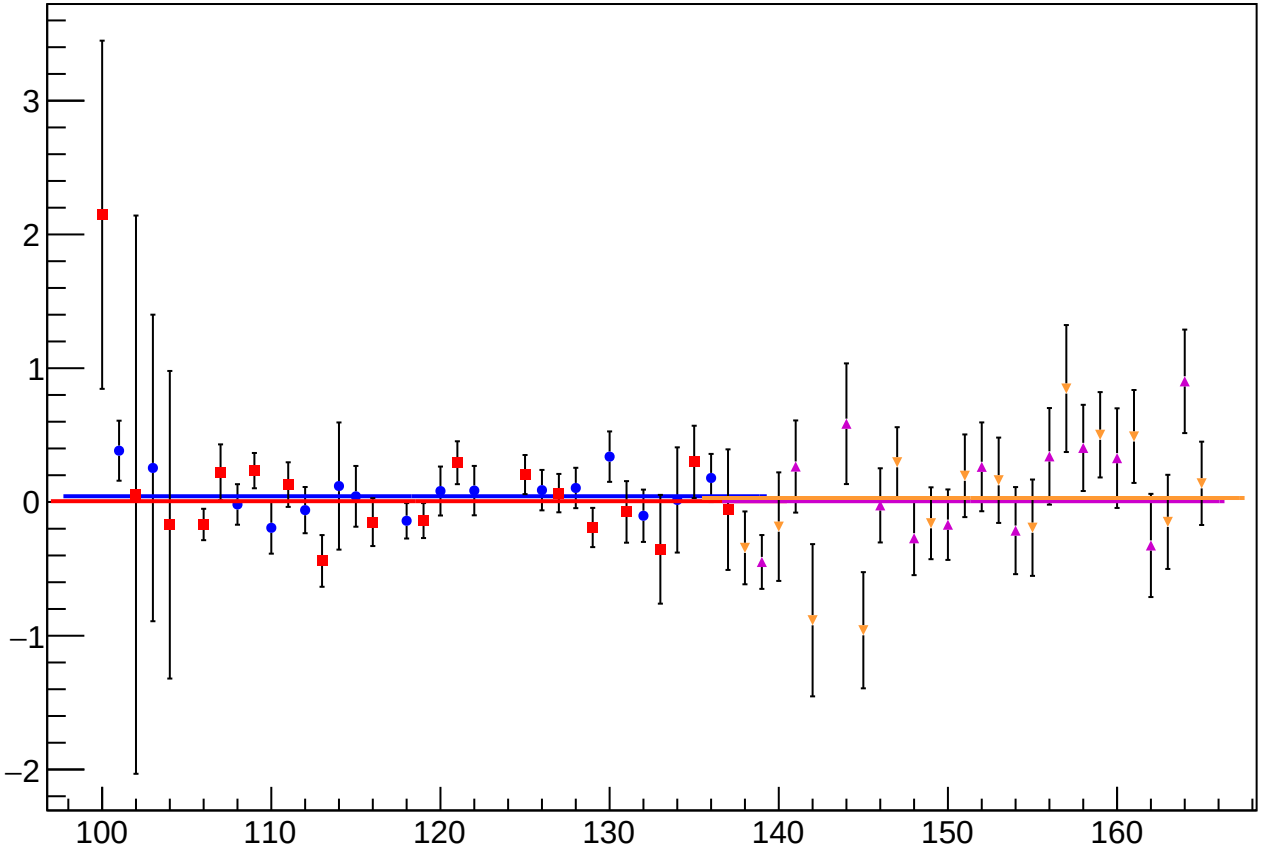
Left In: 274.171+/-0.061 χ^2/NDF:1009034.4/12

+ sign 154.551+/-0.030 χ^2/NDF: 8042443.3/29

All: 144.393+/-0.020 χ^2/NDF: 18423879.0/60

- sign 135.716+/-0.027 χ^2/NDF: 10163632.0/30

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: 0.030+/-0.089 χ^2/NDF:19.6/13

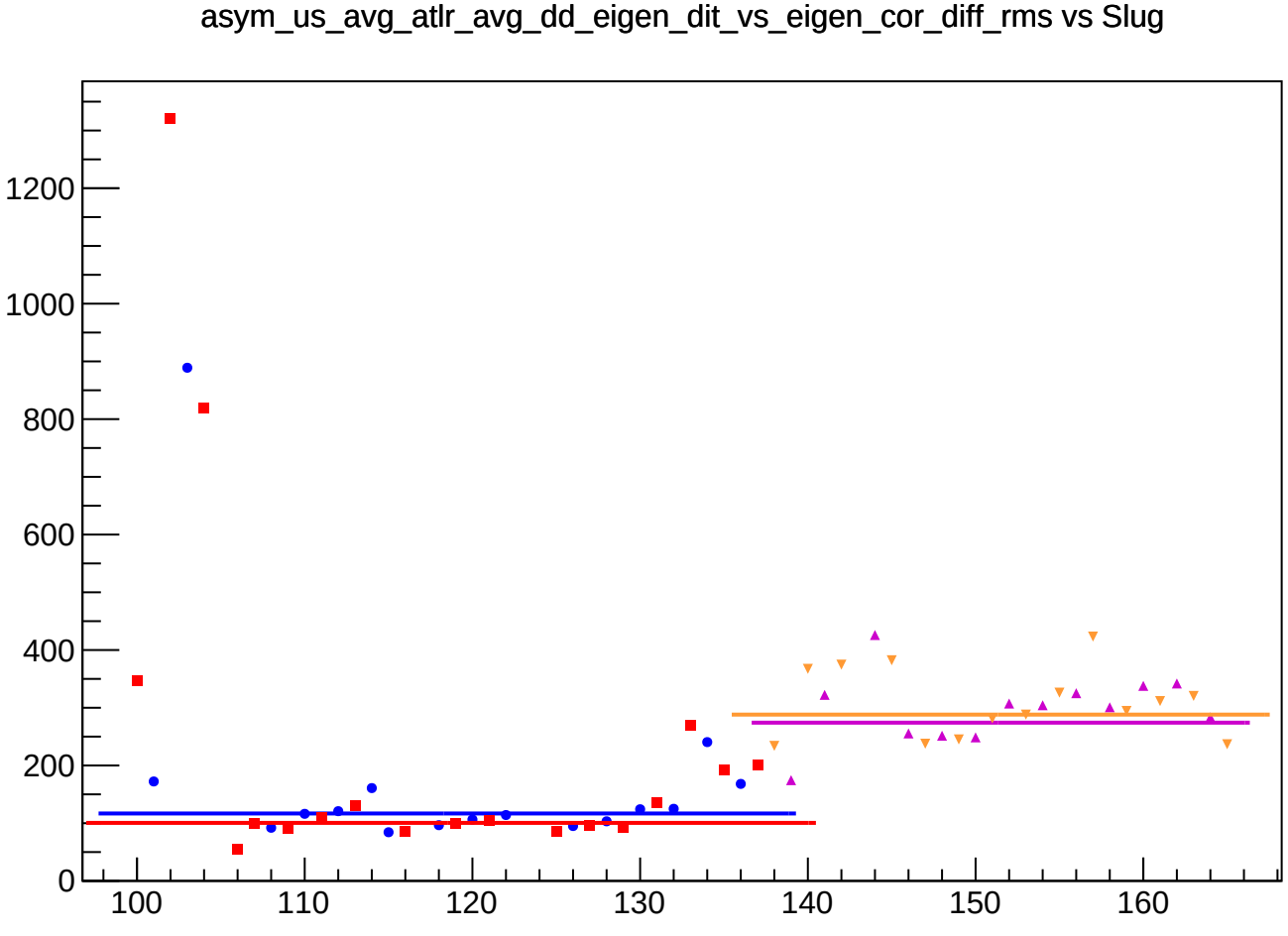
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.006+/-0.086 χ^2/NDF:19.1/12

+ sign 0.040+/-0.042 χ^2/NDF: 29.9/29

All: 0.022+/-0.028 χ^2/NDF: 75.3/60

- sign 0.006+/-0.039 χ^2/NDF: 45.1/30



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.135+/-0.063 χ^2/NDF:687418.3/13

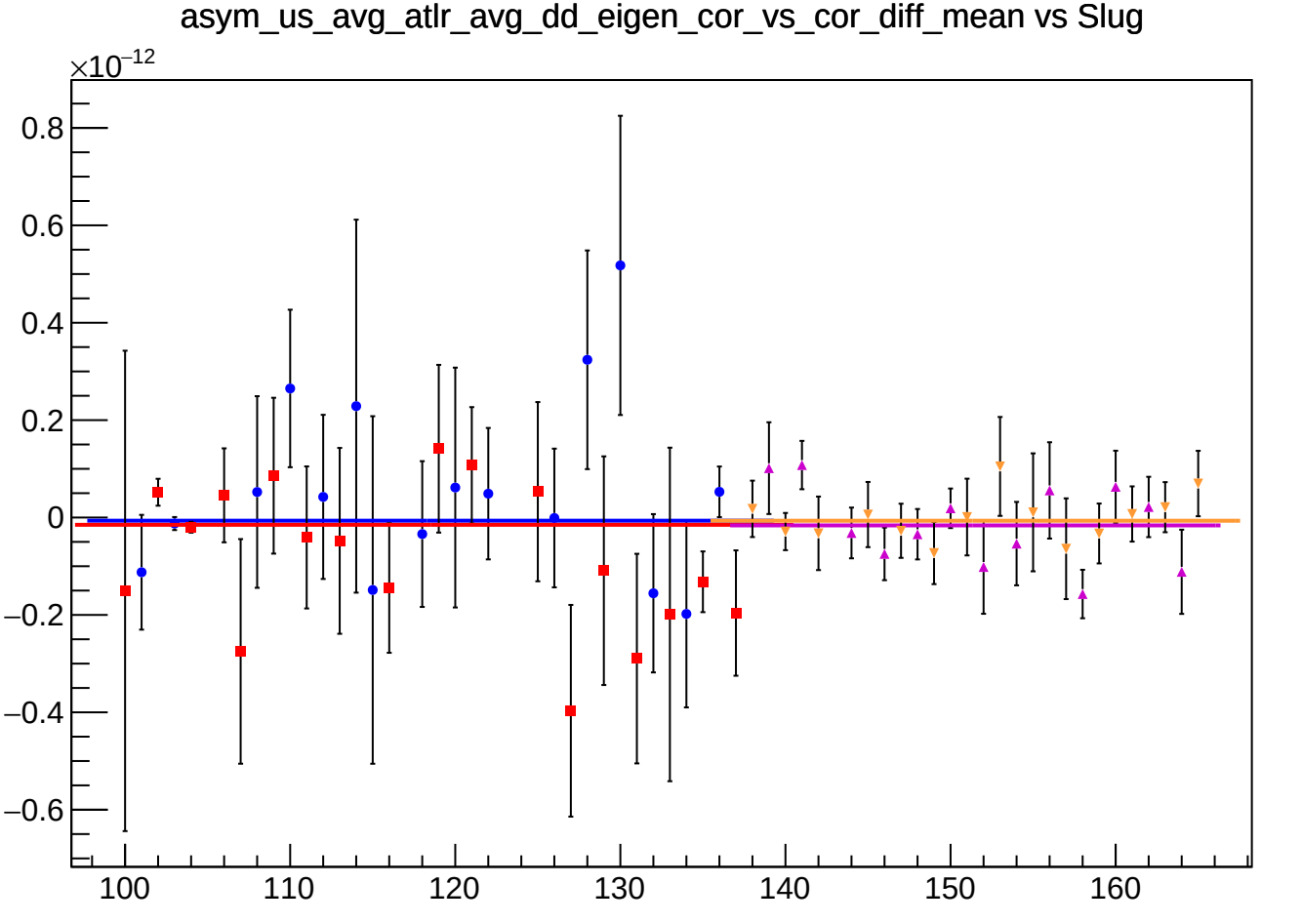
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 274.171+/-0.061 χ^2/NDF:1009034.4/12

+ sign 154.551+/-0.030 χ^2/NDF: 8042443.3/29

All: 144.393+/-0.020 χ^2/NDF: 18423879.0/60

- sign 135.716+/-0.027 χ^2/NDF: 10163632.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/13

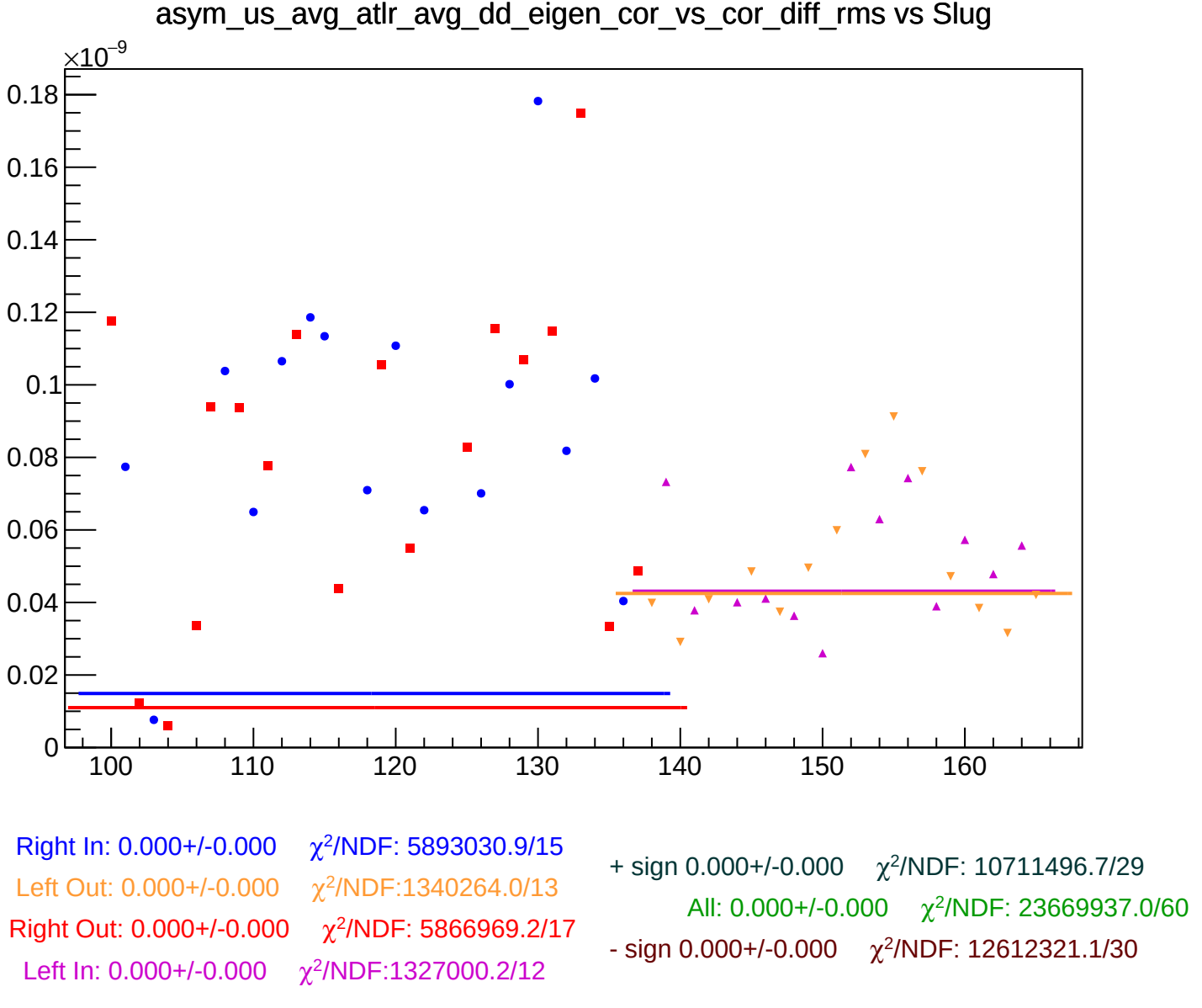
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:22.2/12

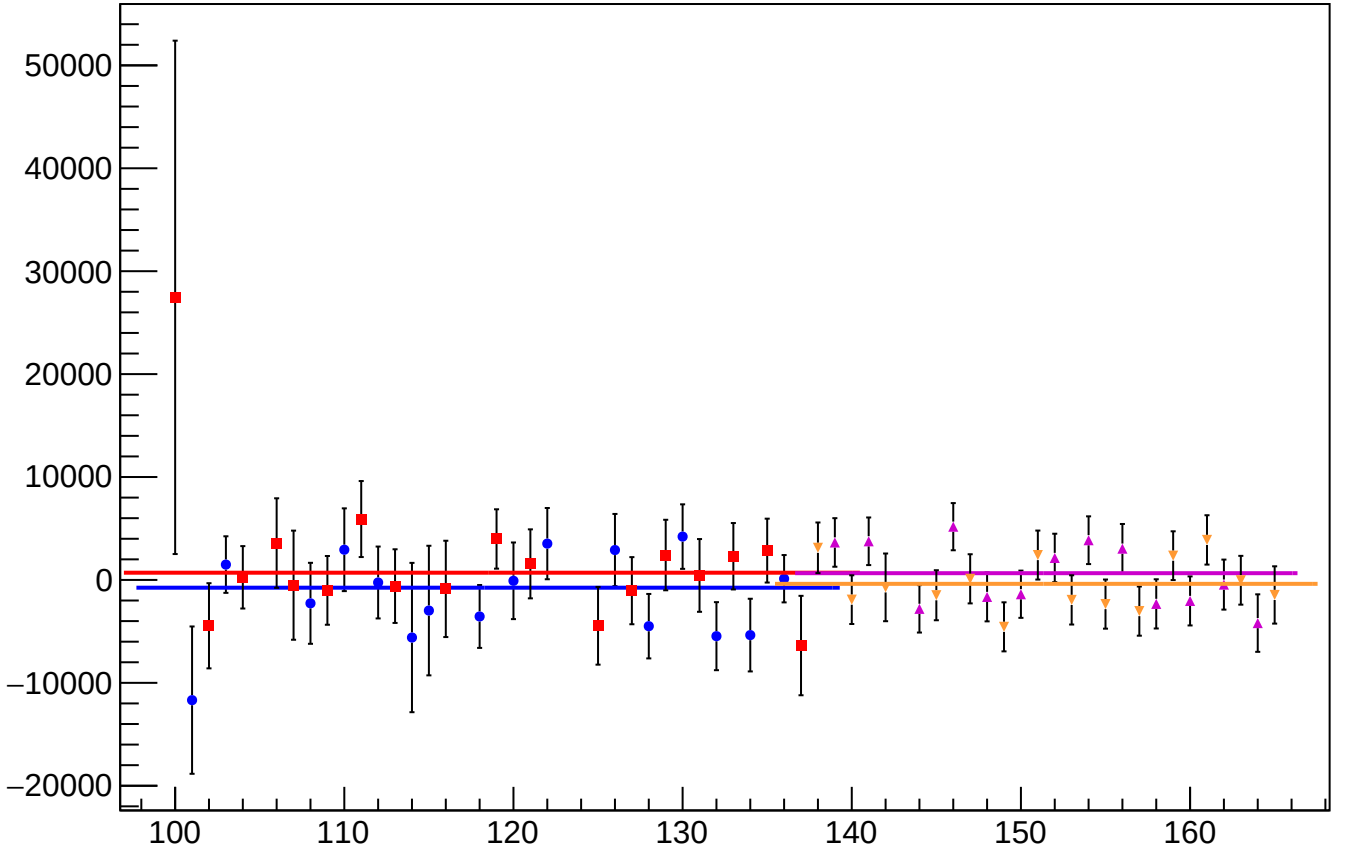
+ sign -0.000+/-0.000 χ^2/NDF: 18.3/29

All: -0.000+/-0.000 χ^2/NDF: 62.8/60

- sign -0.000+/-0.000 χ^2/NDF: 44.1/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1340264.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1327000.2/12
+ sign 0.000+/-0.000 χ²/NDF: 10711496.7/29
All: 0.000+/-0.000 χ²/NDF: 23669937.0/60
- sign 0.000+/-0.000 χ²/NDF: 12612321.1/30

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -379.855+/-656.796 χ^2/NDF:14.2/13

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

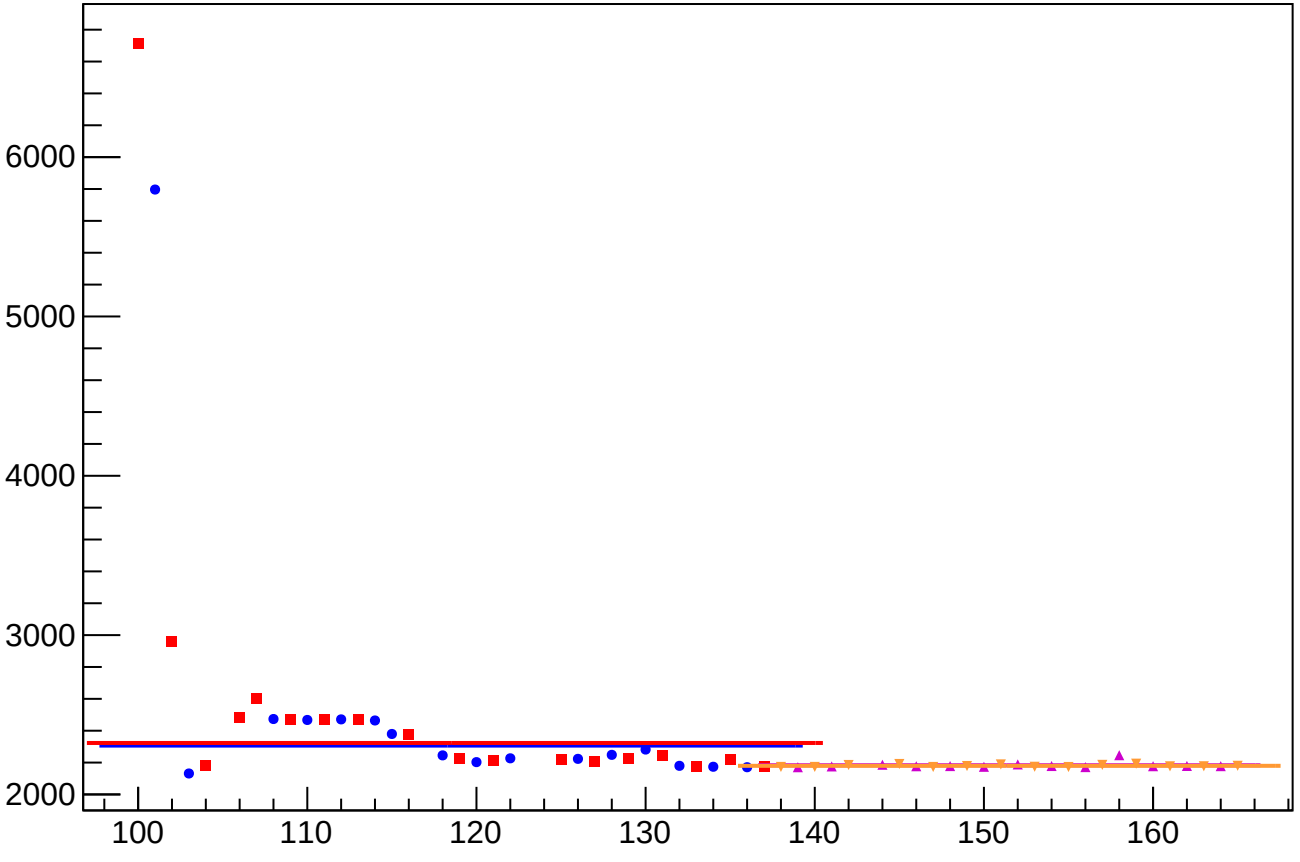
Left In: 655.916+/-659.119 χ^2/NDF:20.6/12

+ sign -515.260+/-524.770 χ^2/NDF: 30.2/29

All: 78.442+/-371.175 χ^2/NDF: 65.7/60

- sign 672.827+/-525.072 χ^2/NDF: 33.0/30

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.653+/-0.464 χ^2/NDF:244.7/13

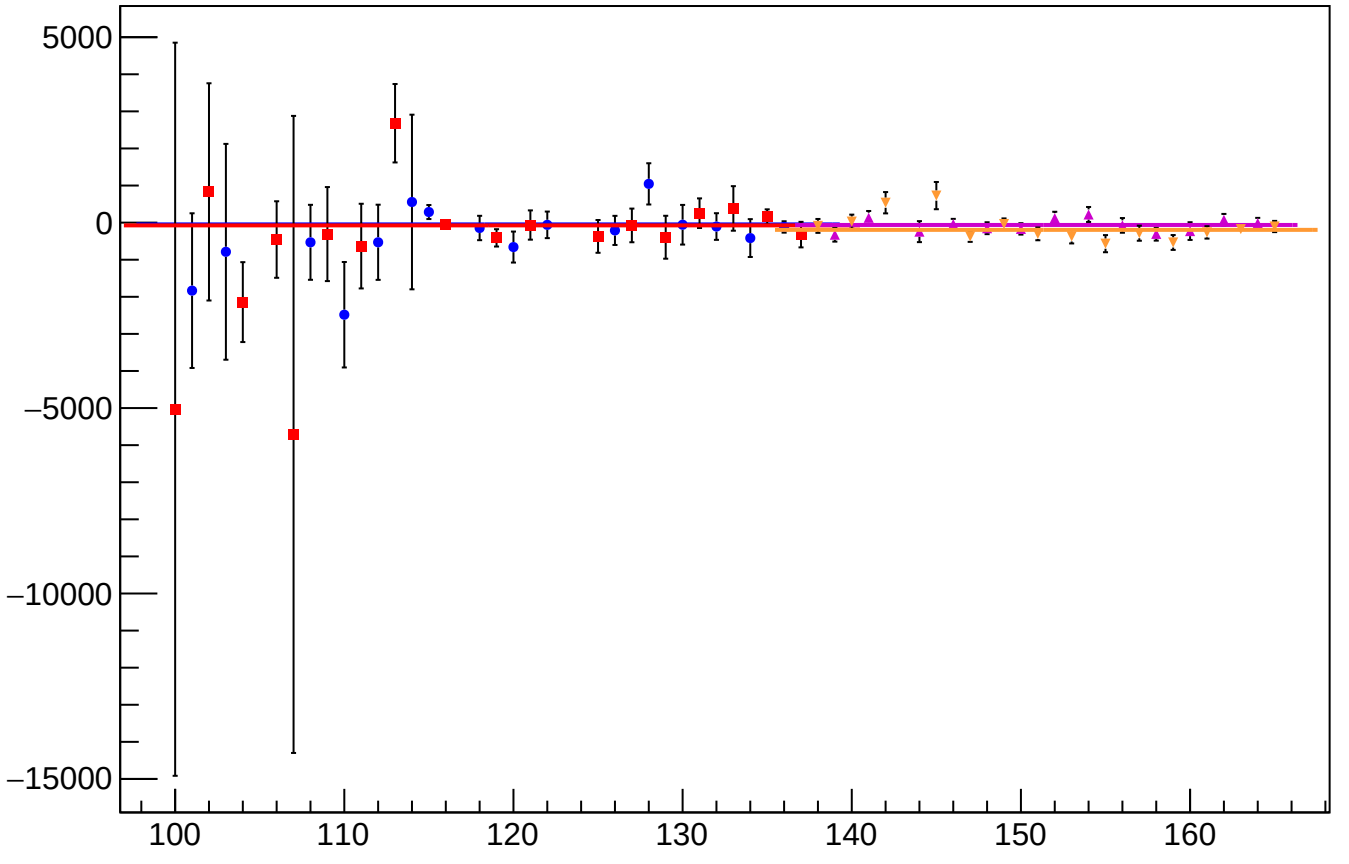
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

+ sign 2225.576+/-0.371 χ^2/NDF: 541432.4/29

All: 2229.910+/-0.262 χ^2/NDF: 728019.5/60

- sign 2234.250+/-0.371 χ^2/NDF: 186314.0/30



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -194.953+/-47.823 χ^2/NDF:24.6/13

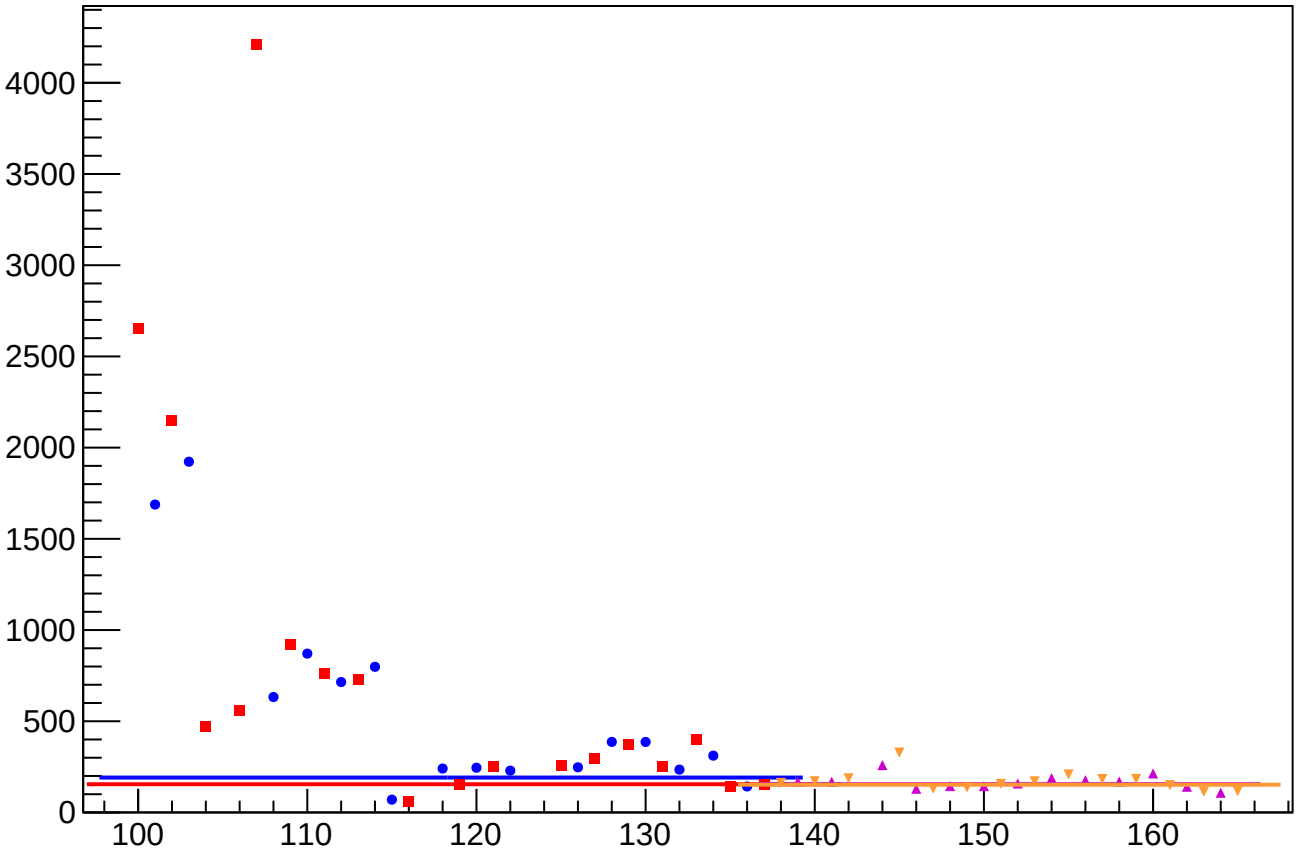
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -62.778+/-48.556 χ^2/NDF:10.5/12

+ sign -163.088+/-42.324 χ^2/NDF: 41.0/29

All: -113.835+/-29.752 χ^2/NDF: 71.8/60

- sign -65.723+/-41.831 χ^2/NDF: 28.1/30



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 152.251+/-0.034 χ^2/NDF:1106979.1/13

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

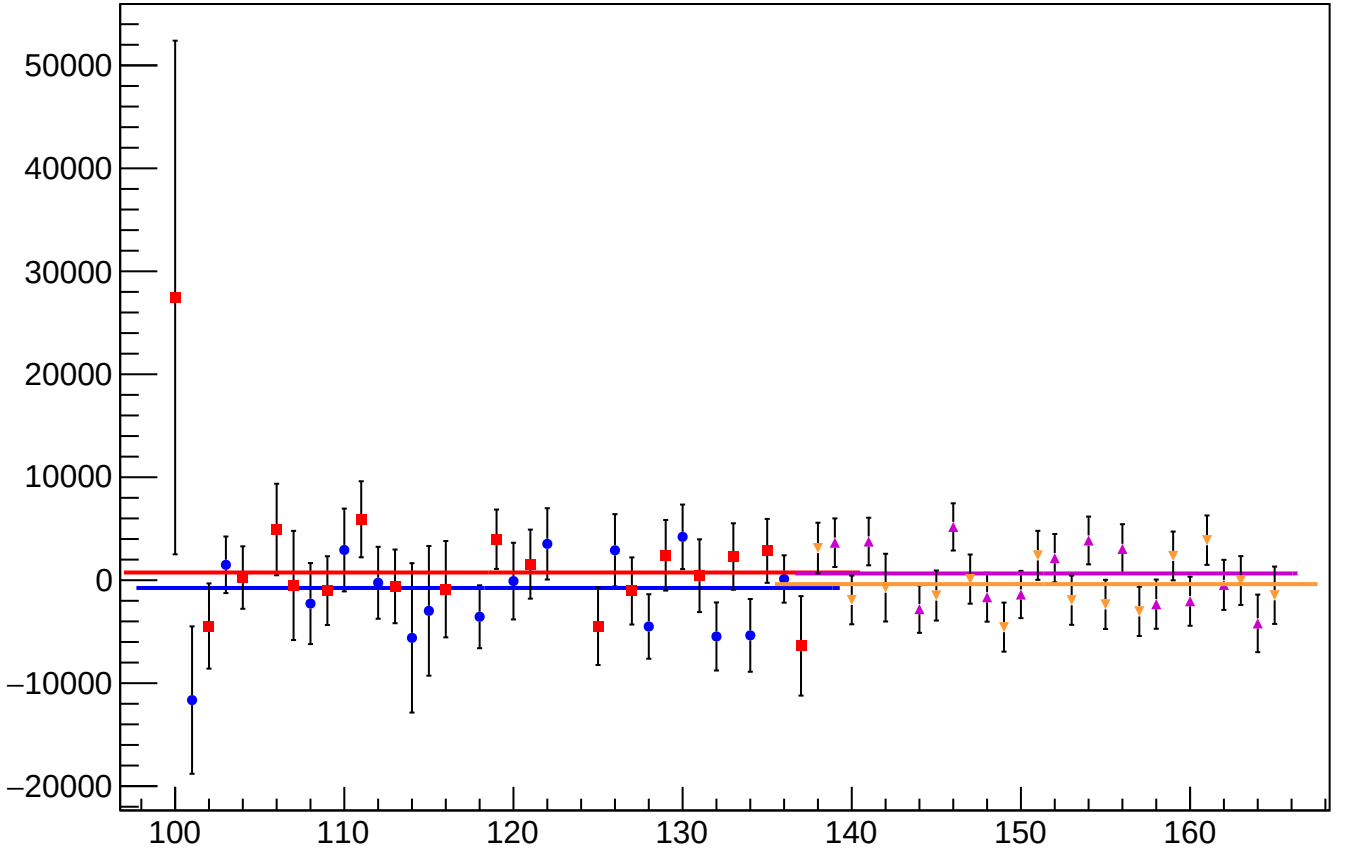
Left In: 155.232+/-0.034 χ^2/NDF:825597.4/12

+ sign 160.732+/-0.030 χ^2/NDF: 6461918.7/29

All: 157.877+/-0.021 χ^2/NDF: 13459851.0/60

- sign 155.089+/-0.030 χ^2/NDF: 6979950.8/30

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -379.845+/-656.796 χ^2/NDF:14.2/13

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

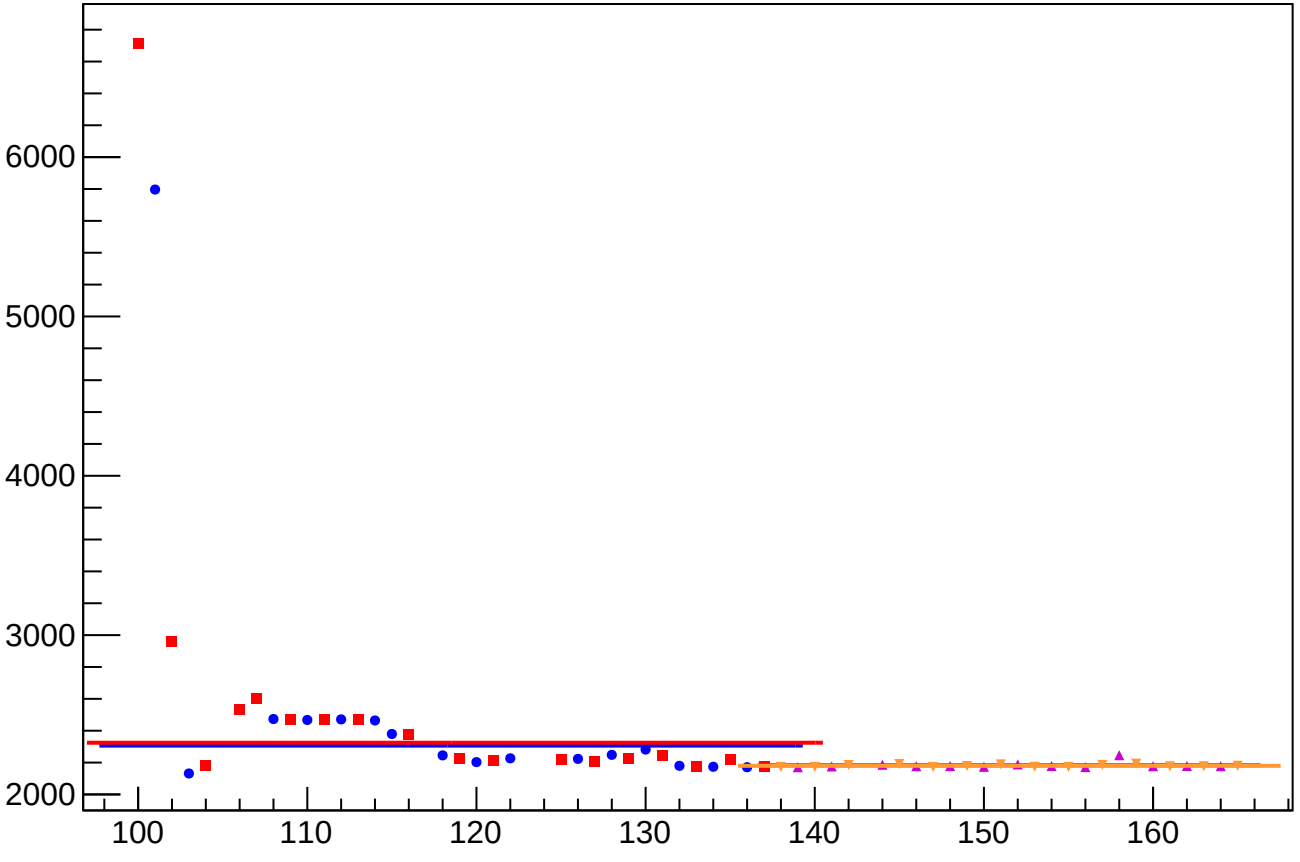
Left In: 655.841+/-659.119 χ^2/NDF:20.6/12

\+ sign -514.903+/-524.770 χ^2/NDF: 30.2/29

All: 87.001+/-371.231 χ^2/NDF: 66.3/60

\- sign 689.960+/-525.231 χ^2/NDF: 33.5/30

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.653+/-0.464 χ^2/NDF:244.7/13

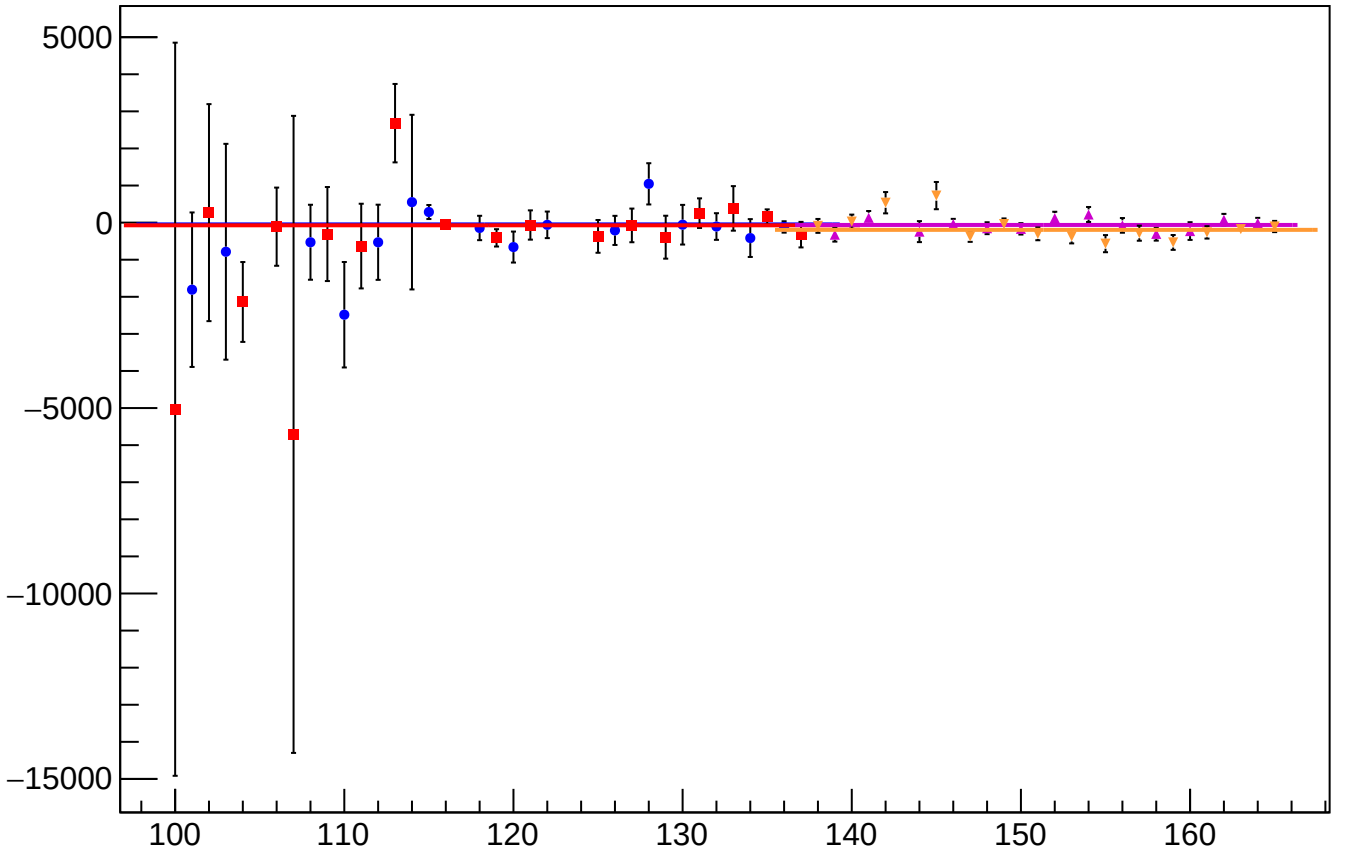
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

+ sign 2225.576+/-0.371 χ^2/NDF: 541432.7/29

All: 2230.187+/-0.262 χ^2/NDF: 730604.5/60

- sign 2234.807+/-0.371 χ^2/NDF: 188862.6/30



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -194.985+/-47.824 χ^2/NDF:24.5/13

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

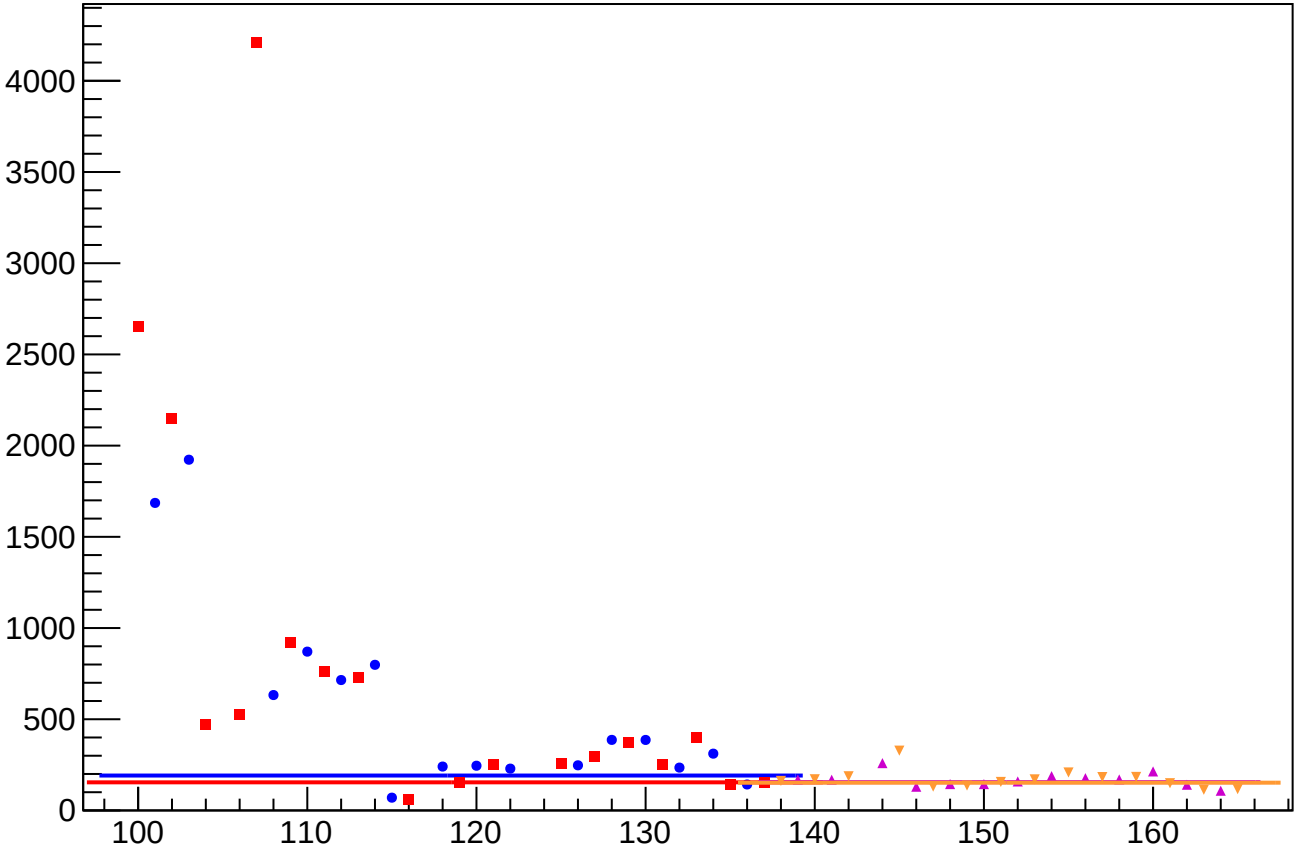
Left In: -62.714+/-48.560 χ^2/NDF:10.5/12

+ sign -163.122+/-42.326 χ^2/NDF: 40.9/29

All: -113.560+/-29.750 χ^2/NDF: 71.5/60

- sign -65.162+/-41.826 χ^2/NDF: 27.9/30

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: 152.254+/-0.034 χ^2/NDF:1107136.9/13

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

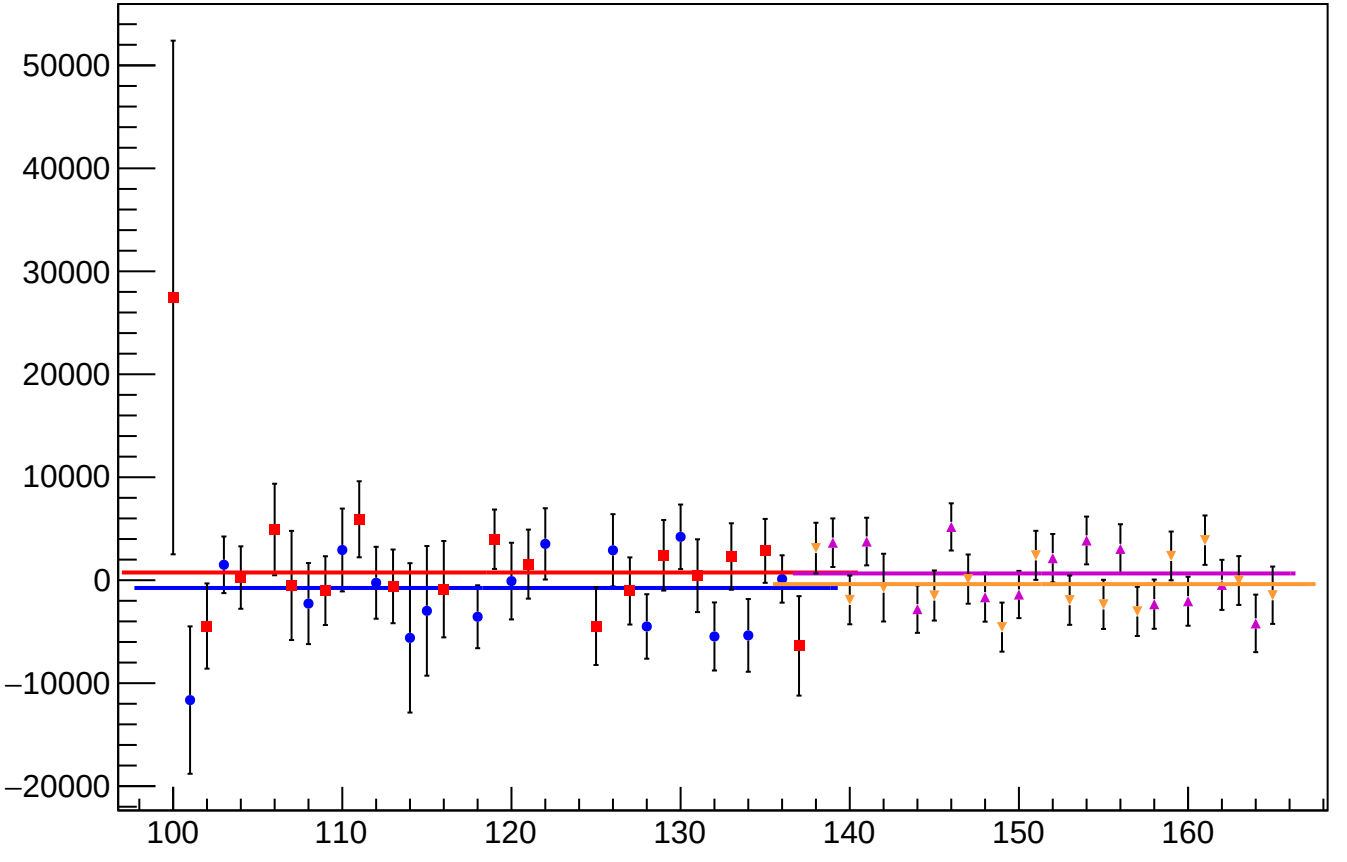
Left In: 155.248+/-0.034 χ^2/NDF:825619.7/12

+ sign 160.738+/-0.030 χ^2/NDF: 6461223.8/29

All: 157.813+/-0.021 χ^2/NDF: 13414666.2/60

- sign 154.957+/-0.030 χ^2/NDF: 6934562.7/30

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: -379.845+/-656.796 χ^2/NDF:14.2/13

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

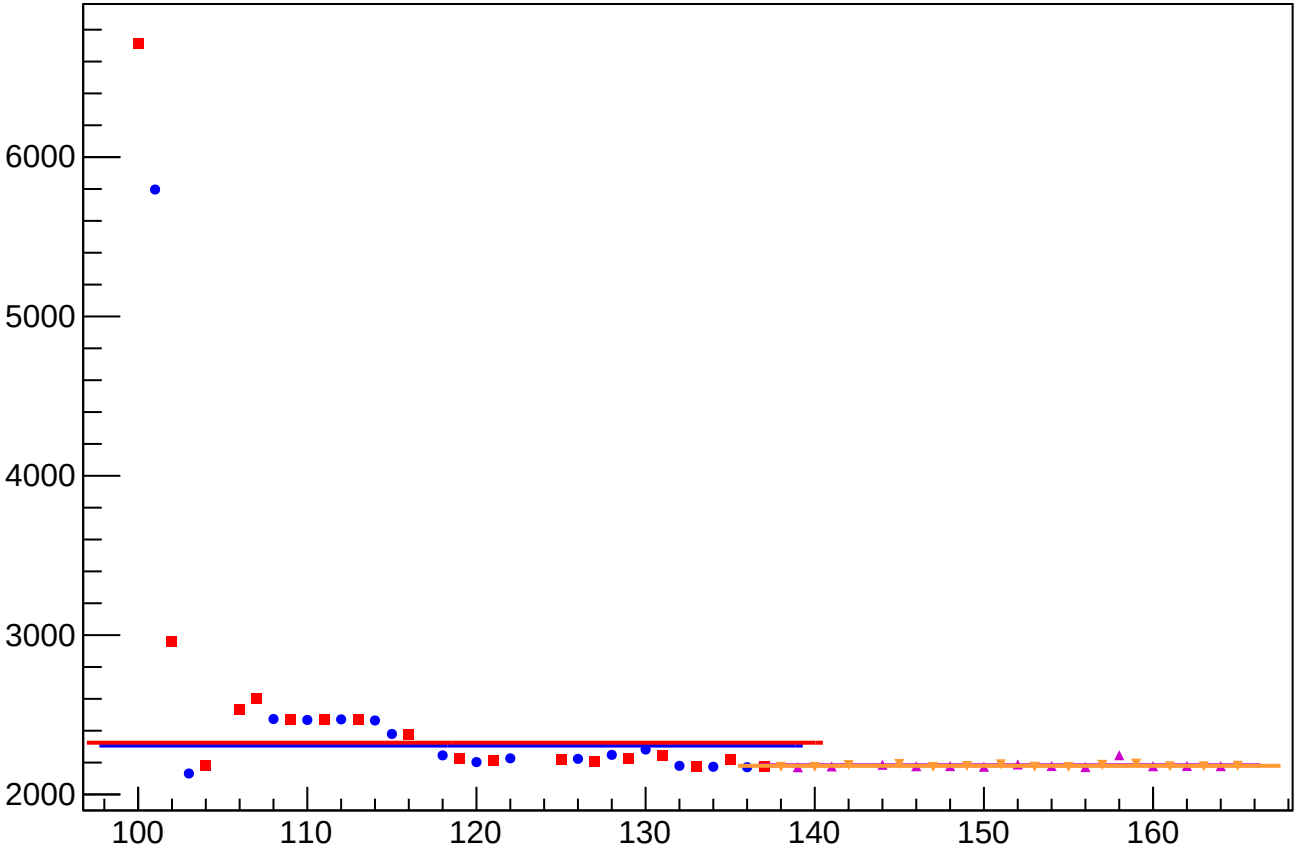
Left In: 655.841+/-659.119 χ^2/NDF:20.6/12

+ sign -514.903+/-524.770 χ^2/NDF: 30.2/29

All: 87.001+/-371.231 χ^2/NDF: 66.3/60

- sign 689.960+/-525.231 χ^2/NDF: 33.5/30

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.653+/-0.464 χ^2/NDF:244.7/13

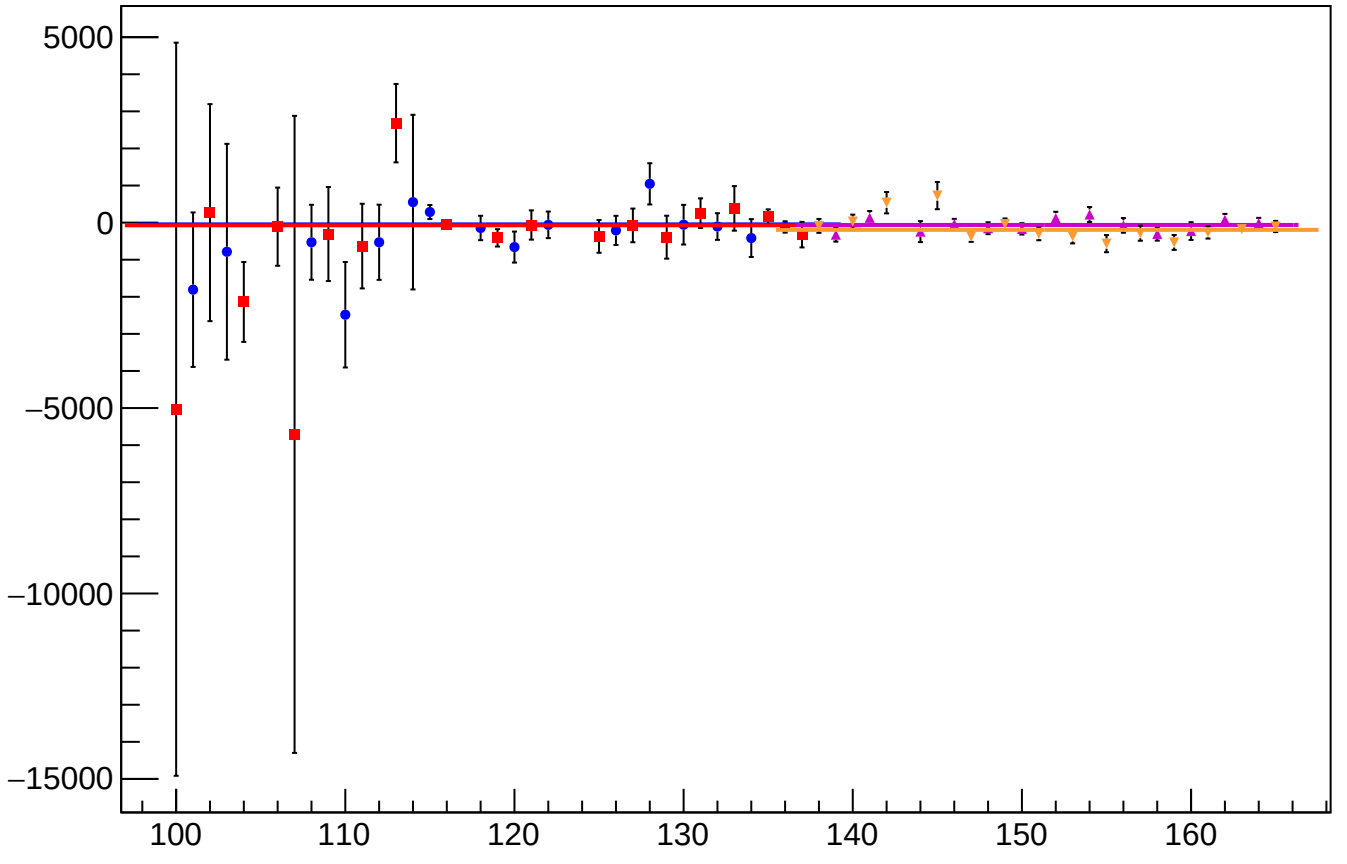
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

+ sign 2225.576+/-0.371 χ^2/NDF: 541432.7/29

All: 2230.187+/-0.262 χ^2/NDF: 730604.5/60

- sign 2234.807+/-0.371 χ^2/NDF: 188862.6/30



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -194.985+/-47.824 χ^2/NDF:24.5/13

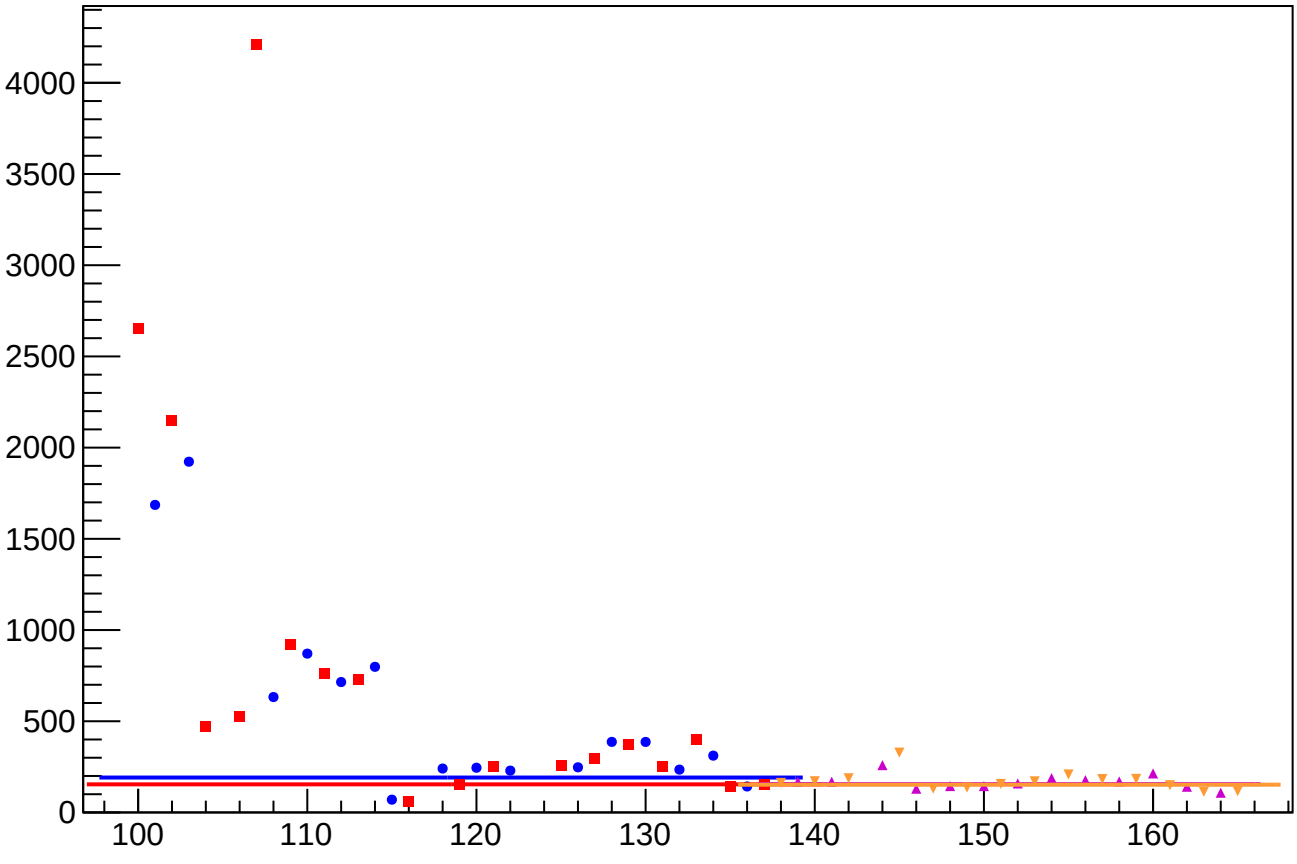
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -62.714+/-48.560 χ^2/NDF:10.5/12

+ sign -163.122+/-42.326 χ^2/NDF: 40.9/29

All: -113.560+/-29.750 χ^2/NDF: 71.5/60

- sign -65.162+/-41.826 χ^2/NDF: 27.9/30



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 152.254+/-0.034 χ^2/NDF:1107136.9/13

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

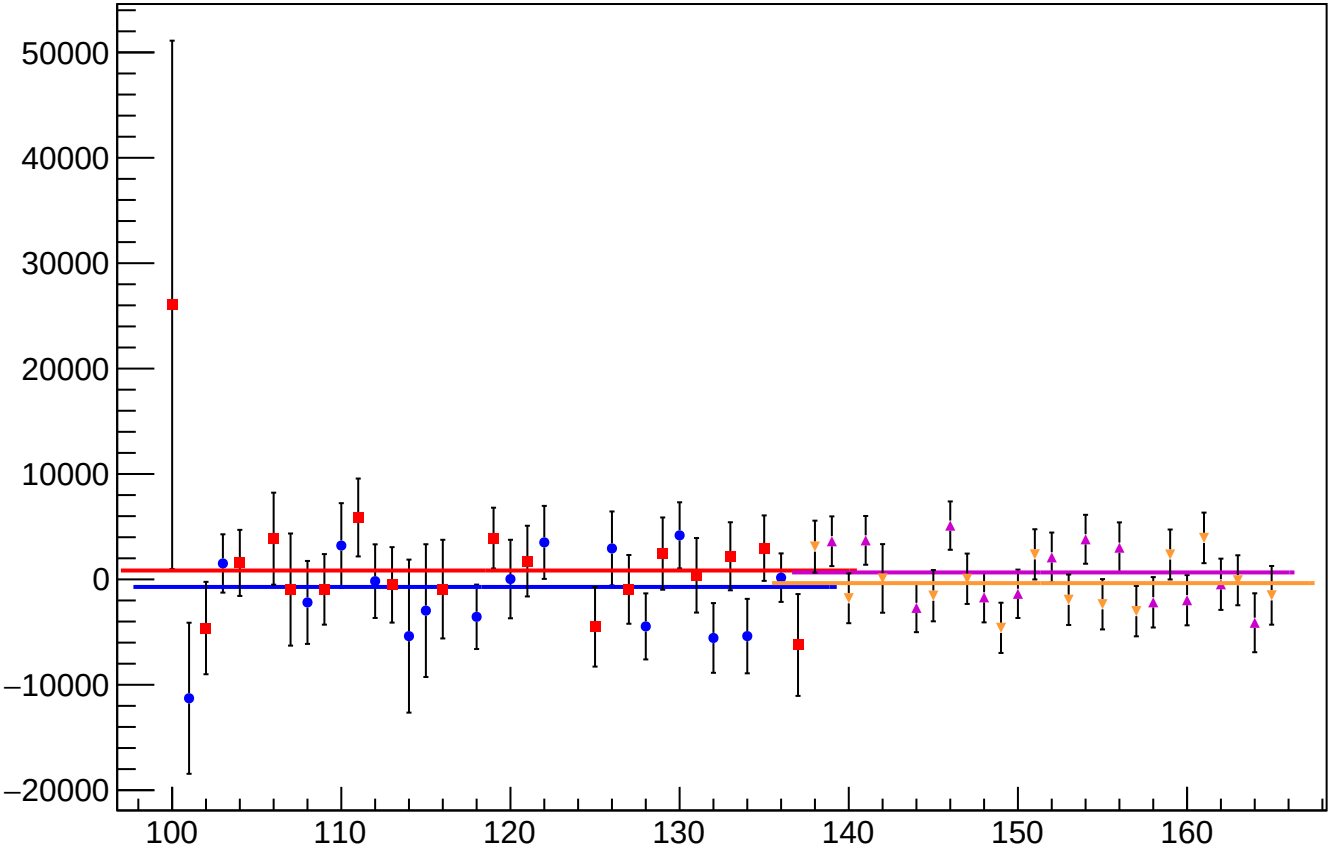
Left In: 155.248+/-0.034 χ^2/NDF:825619.7/12

+ sign 160.738+/-0.030 χ^2/NDF: 6461223.8/29

All: 157.813+/-0.021 χ^2/NDF: 13414666.2/60

- sign 154.957+/-0.030 χ^2/NDF: 6934562.7/30

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -354.228+/-656.733 χ^2/NDF:14.2/13

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

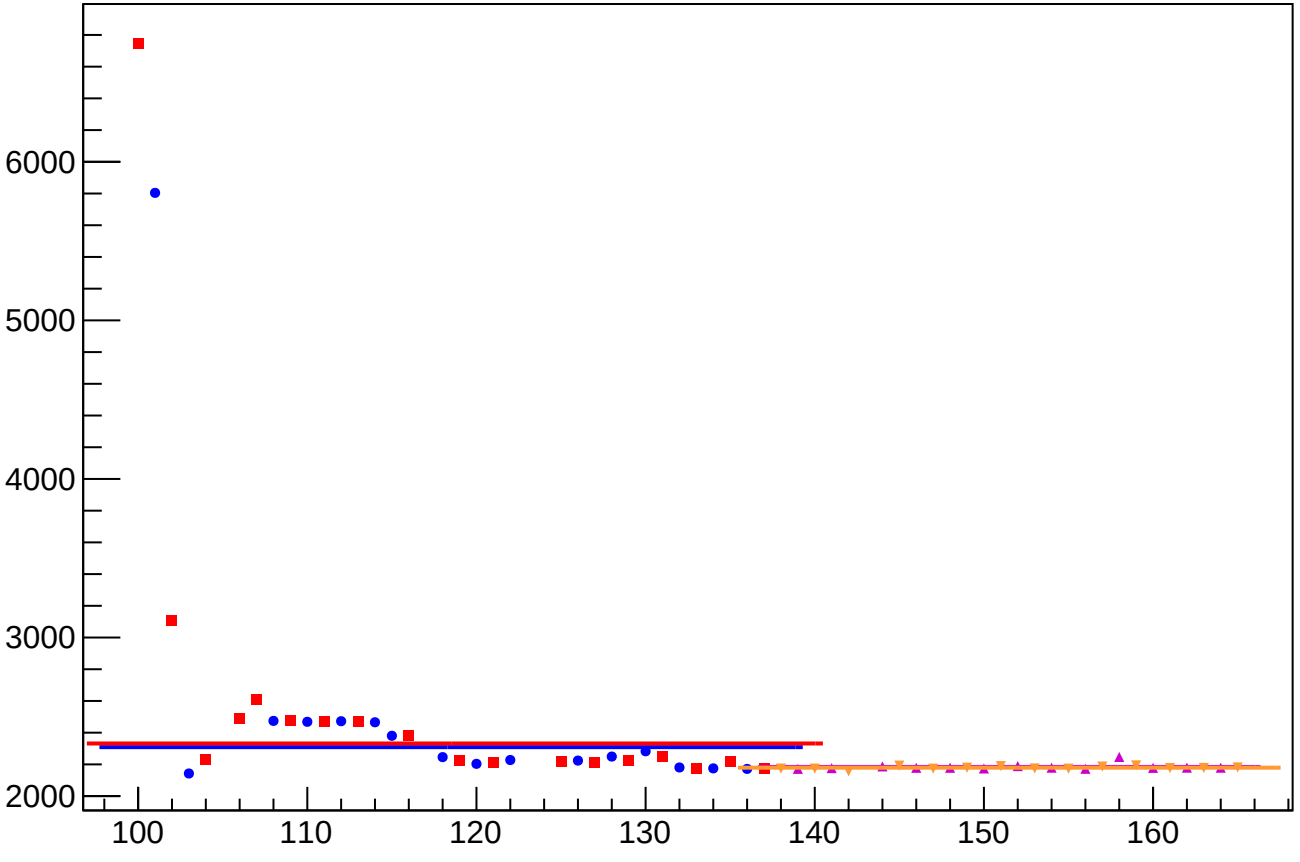
Left In: 659.613+/-659.357 χ^2/NDF:19.9/12

+ sign -485.278+/-524.931 χ^2/NDF: 30.2/29

All: 118.740+/-371.658 χ^2/NDF: 64.9/60

- sign 725.864+/-526.278 χ^2/NDF: 32.1/30

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.209+/-0.464 χ^2/NDF:345.3/13

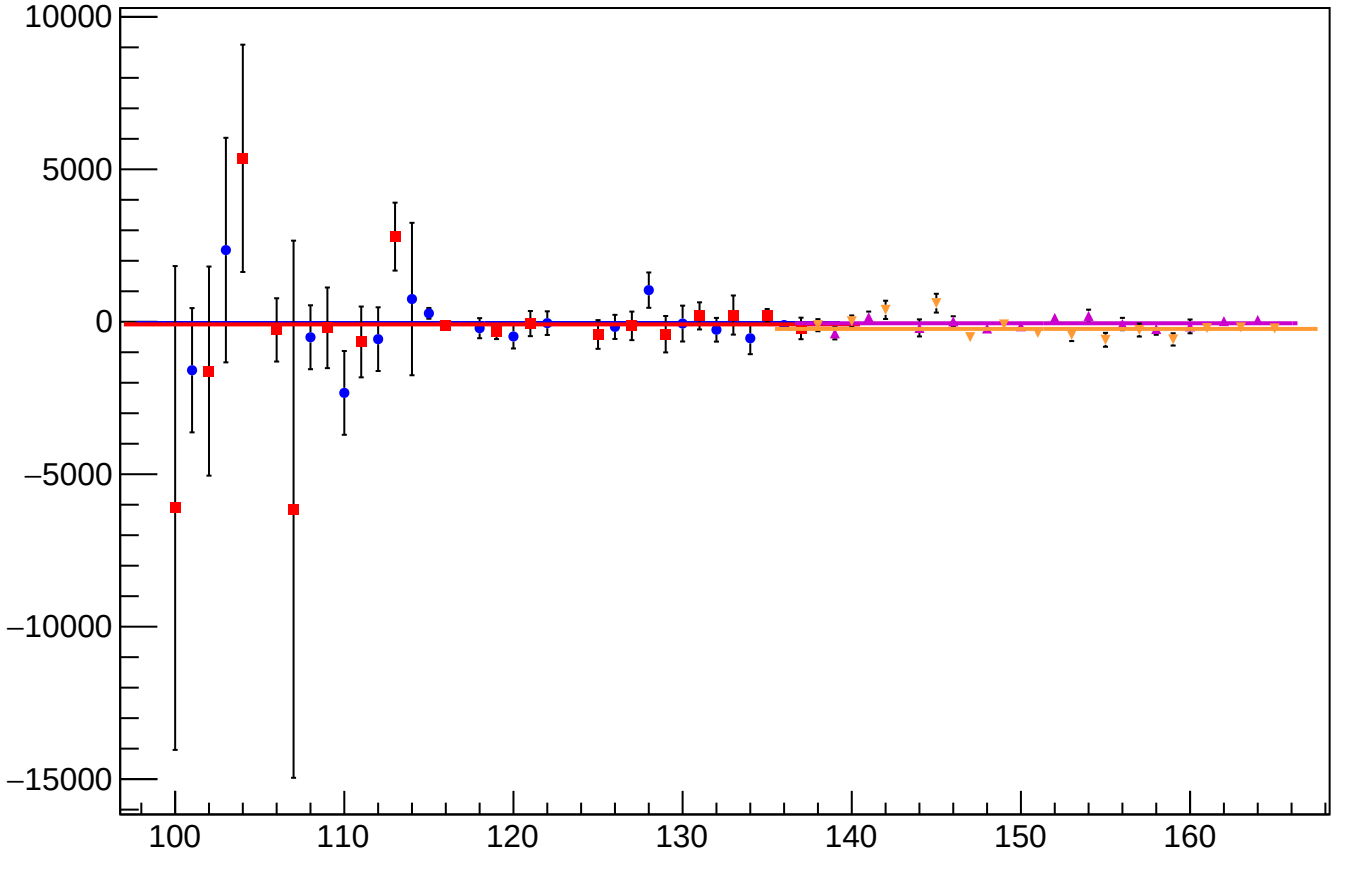
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2183.936+/-0.466 χ^2/NDF:1612.6/12

+ sign 2225.983+/-0.371 χ^2/NDF: 542183.0/29

All: 2231.786+/-0.263 χ^2/NDF: 748135.3/60

- sign 2237.618+/-0.372 χ^2/NDF: 205462.3/30



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -233.988+/-47.619 χ^2/NDF:25.2/13

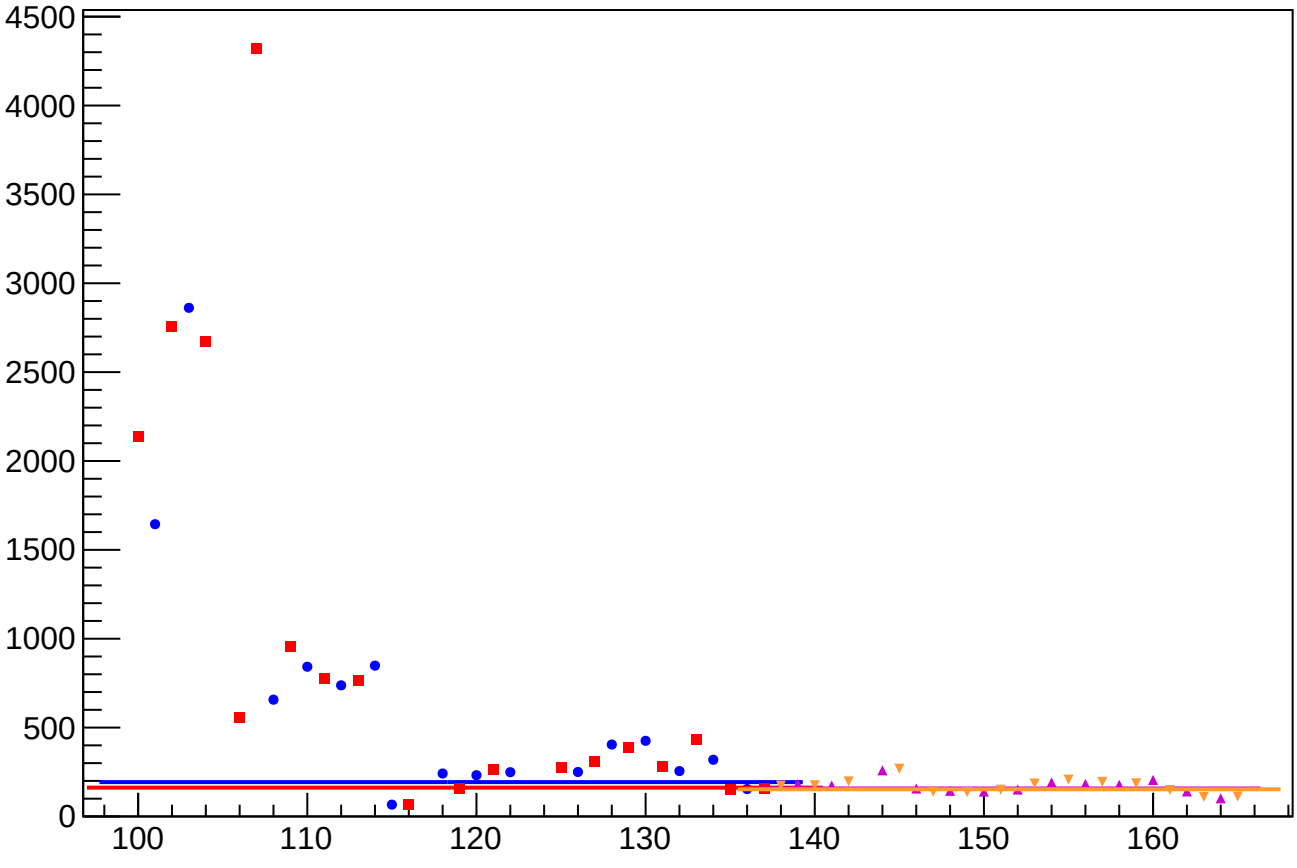
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -48.880+/-48.790 χ^2/NDF:10.6/12

+ sign -193.310+/-42.329 χ^2/NDF: 42.7/29

All: -125.841+/-29.973 χ^2/NDF: 73.5/60

- sign -57.996+/-42.447 χ^2/NDF: 25.7/30



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 152.823+/-0.034 χ^2/NDF:1118800.1/13

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

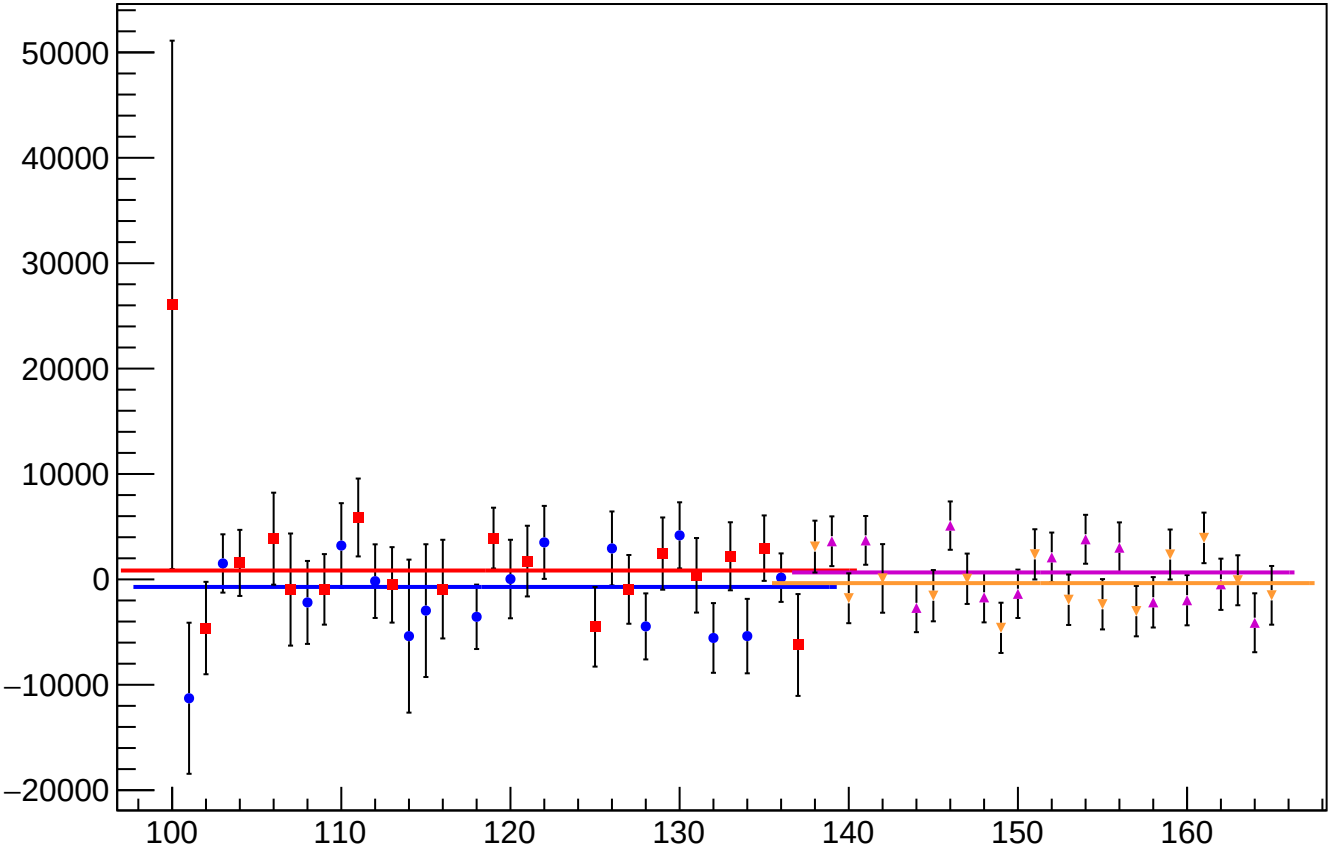
Left In: 157.358+/-0.034 χ^2/NDF:936456.2/12

+ sign 161.306+/-0.030 χ^2/NDF: 7039190.1/29

All: 159.914+/-0.021 χ^2/NDF: 15055095.8/60

- sign 158.514+/-0.030 χ^2/NDF: 8011566.1/30

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: -354.230+/-656.733 χ^2/NDF:14.2/13

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

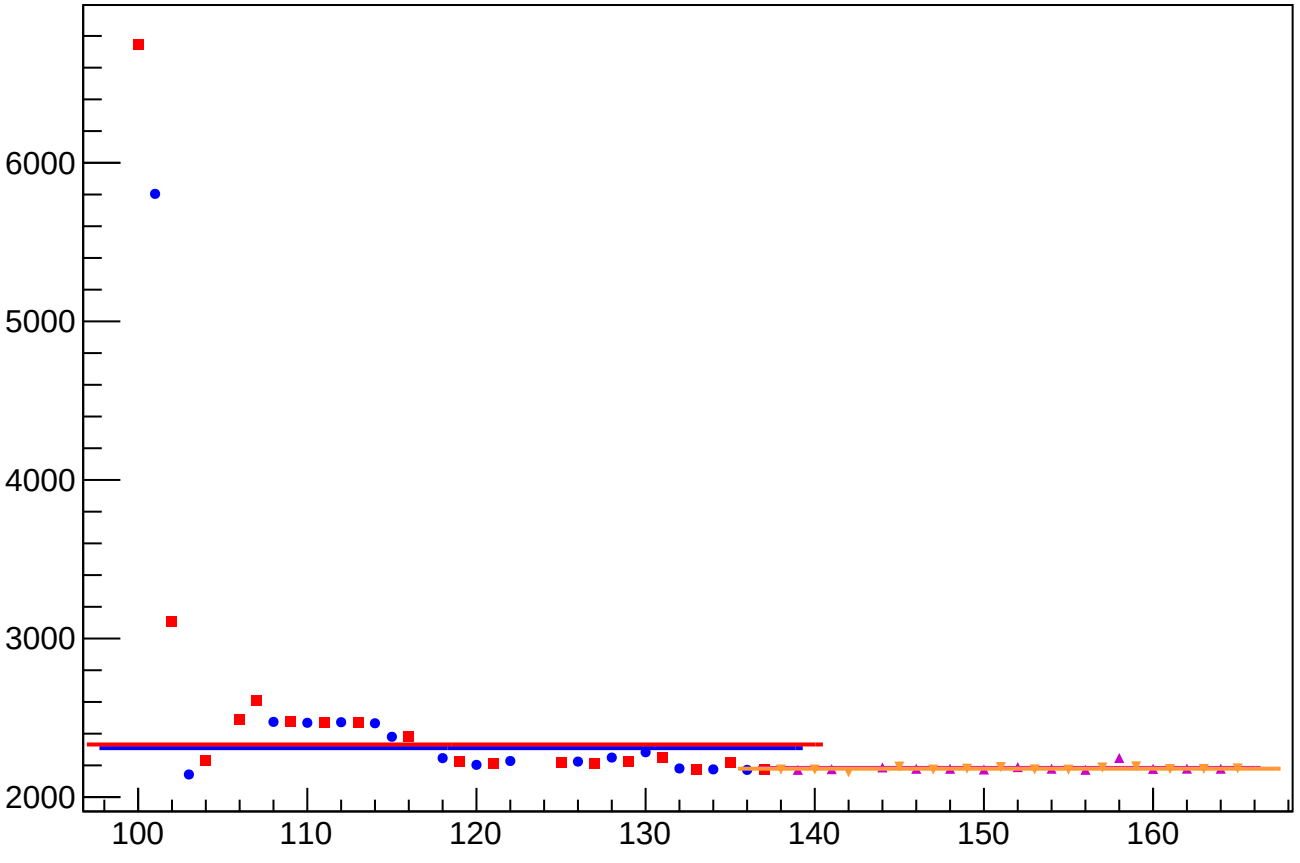
Left In: 659.613+/-659.357 χ^2/NDF:19.9/12

+ sign -485.279+/-524.931 χ^2/NDF: 30.2/29

All: 118.739+/-371.658 χ^2/NDF: 64.9/60

- sign 725.864+/-526.278 χ^2/NDF: 32.1/30

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.209+/-0.464 χ^2/NDF:345.3/13

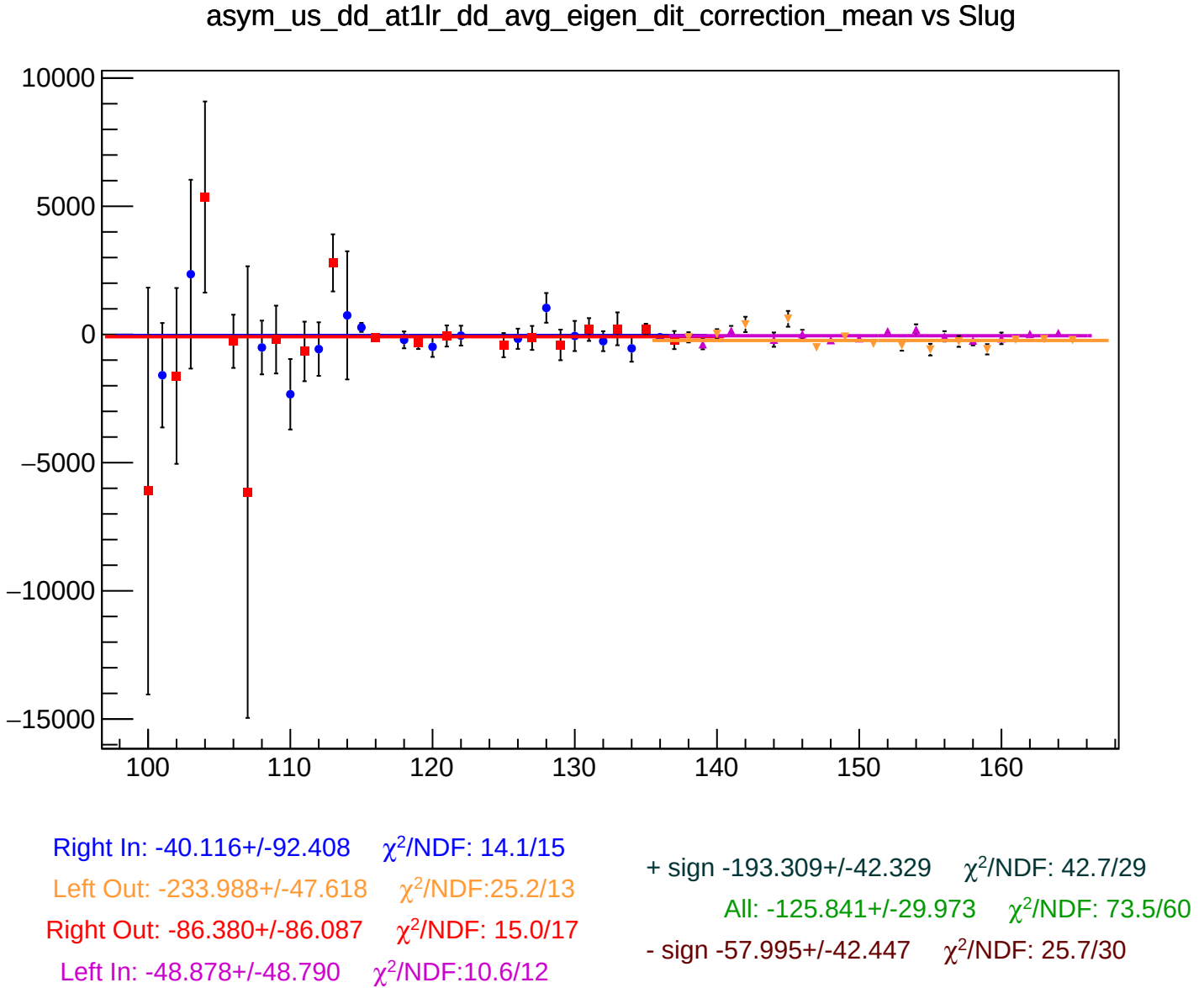
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

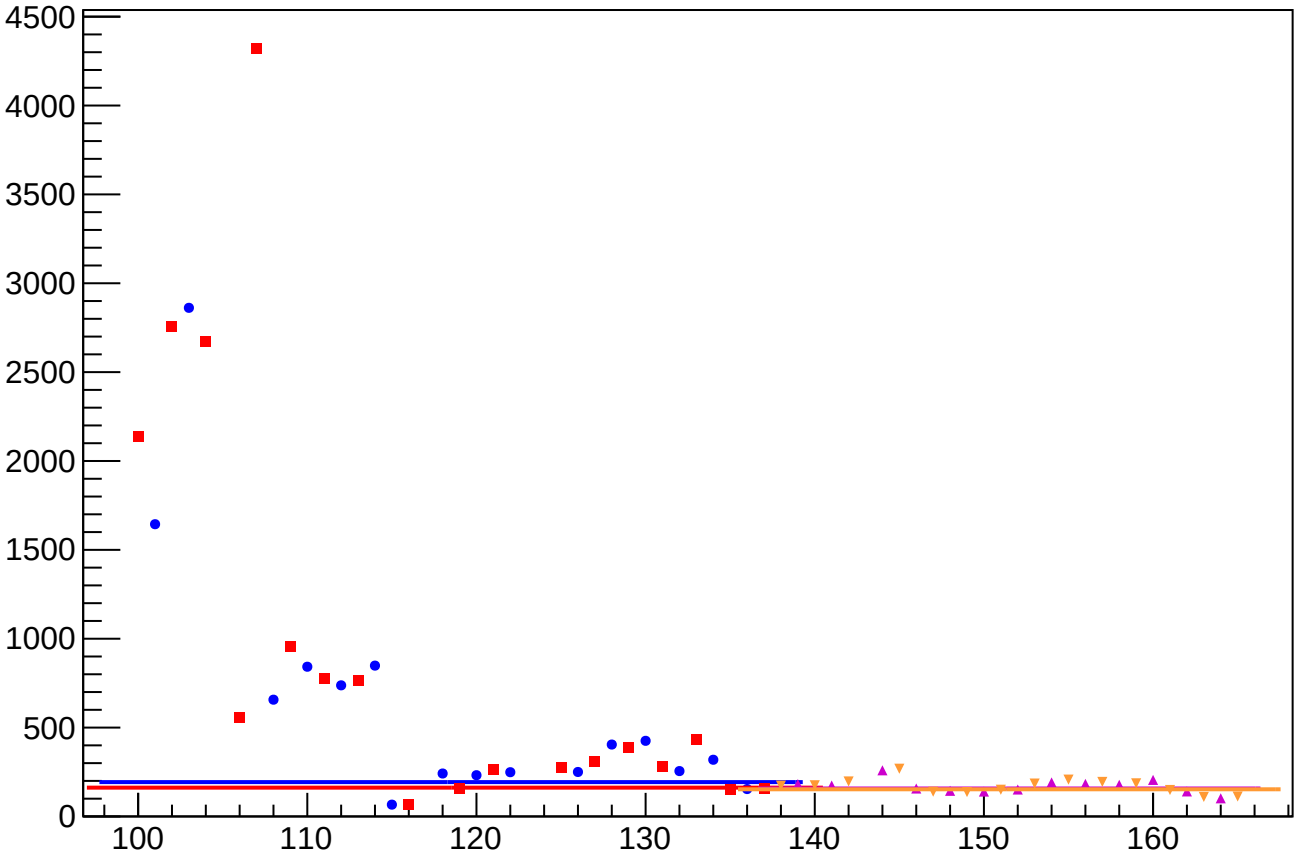
Left In: 2183.936+/-0.466 χ^2/NDF:1612.6/12

+ sign 2225.983+/-0.371 χ^2/NDF: 542183.0/29

All: 2231.786+/-0.263 χ^2/NDF: 748135.1/60

- sign 2237.618+/-0.372 χ^2/NDF: 205462.2/30


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -40.116+/-92.408 χ²/NDF: 14.1/15
Left Out: -233.988+/-47.618 χ²/NDF:25.2/13
Right Out: -86.380+/-86.087 χ²/NDF: 15.0/17
Left In: -48.878+/-48.790 χ²/NDF:10.6/12
+ sign -193.309+/-42.329 χ²/NDF: 42.7/29
All: -125.841+/-29.973 χ²/NDF: 73.5/60
- sign -57.995+/-42.447 χ²/NDF: 25.7/30



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 152.822+/-0.034 χ^2/NDF:1118847.4/13

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

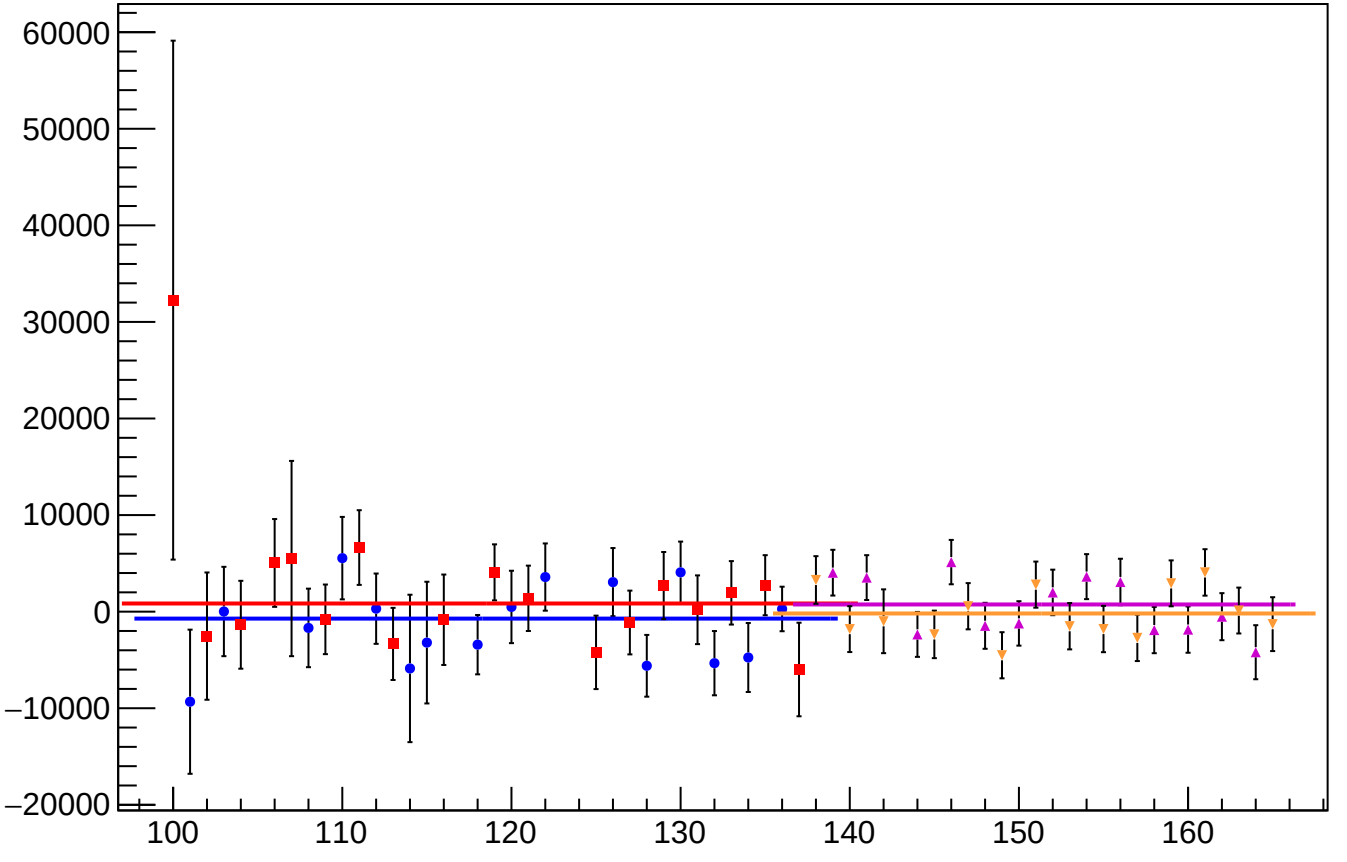
Left In: 157.358+/-0.034 χ^2/NDF:936503.0/12

+ sign 161.306+/-0.030 χ^2/NDF: 7039253.4/29

All: 159.913+/-0.021 χ^2/NDF: 15055260.5/60

- sign 158.513+/-0.030 χ^2/NDF: 8011667.9/30

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -189.427+/-659.291 χ^2/NDF:15.1/13

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

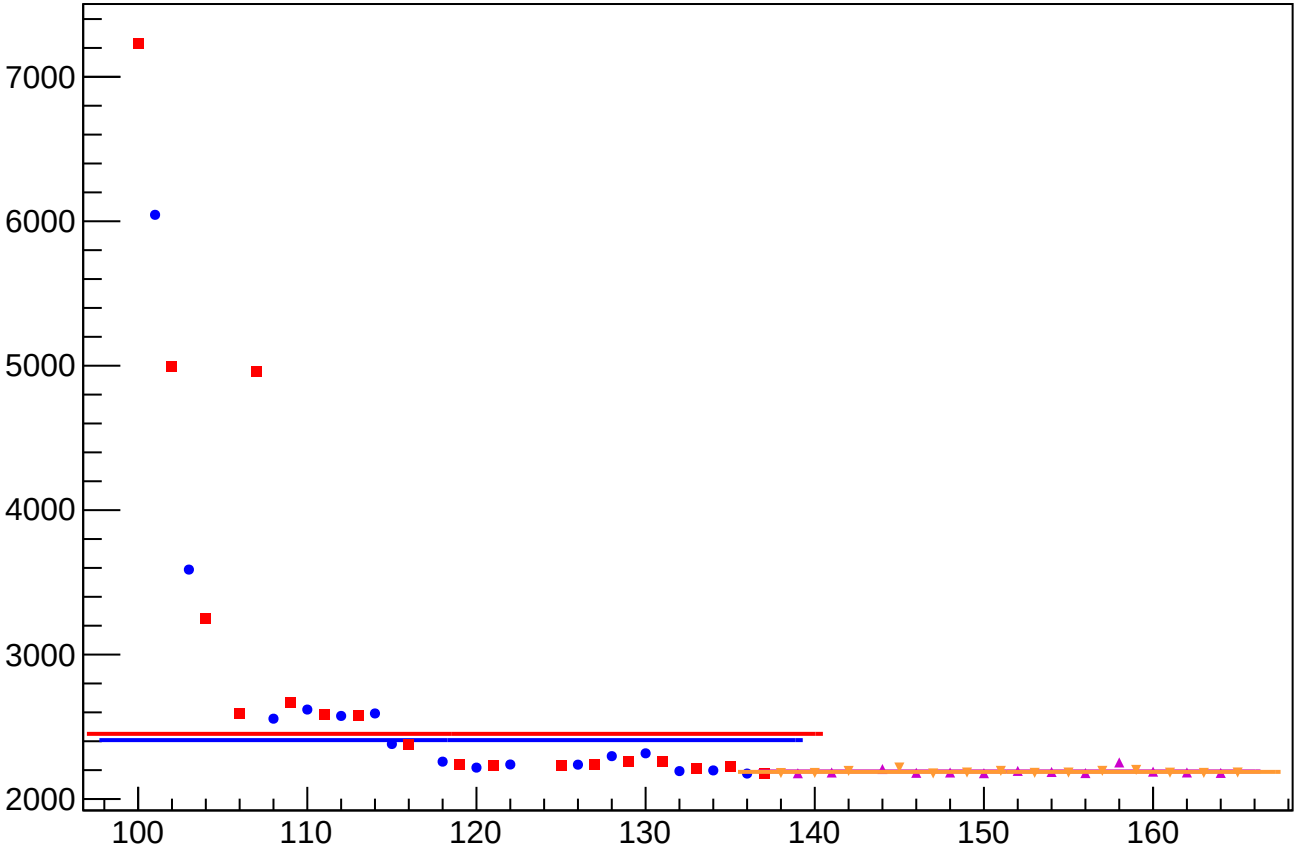
Left In: 745.134+/-661.550 χ^2/NDF:18.9/12

+ sign -370.280+/-535.146 χ^2/NDF: 31.1/29

All: 200.272+/-379.698 χ^2/NDF: 65.3/60

- sign 778.687+/-538.821 χ^2/NDF: 31.9/30

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.921+/-0.466 χ^2/NDF:551.5/13

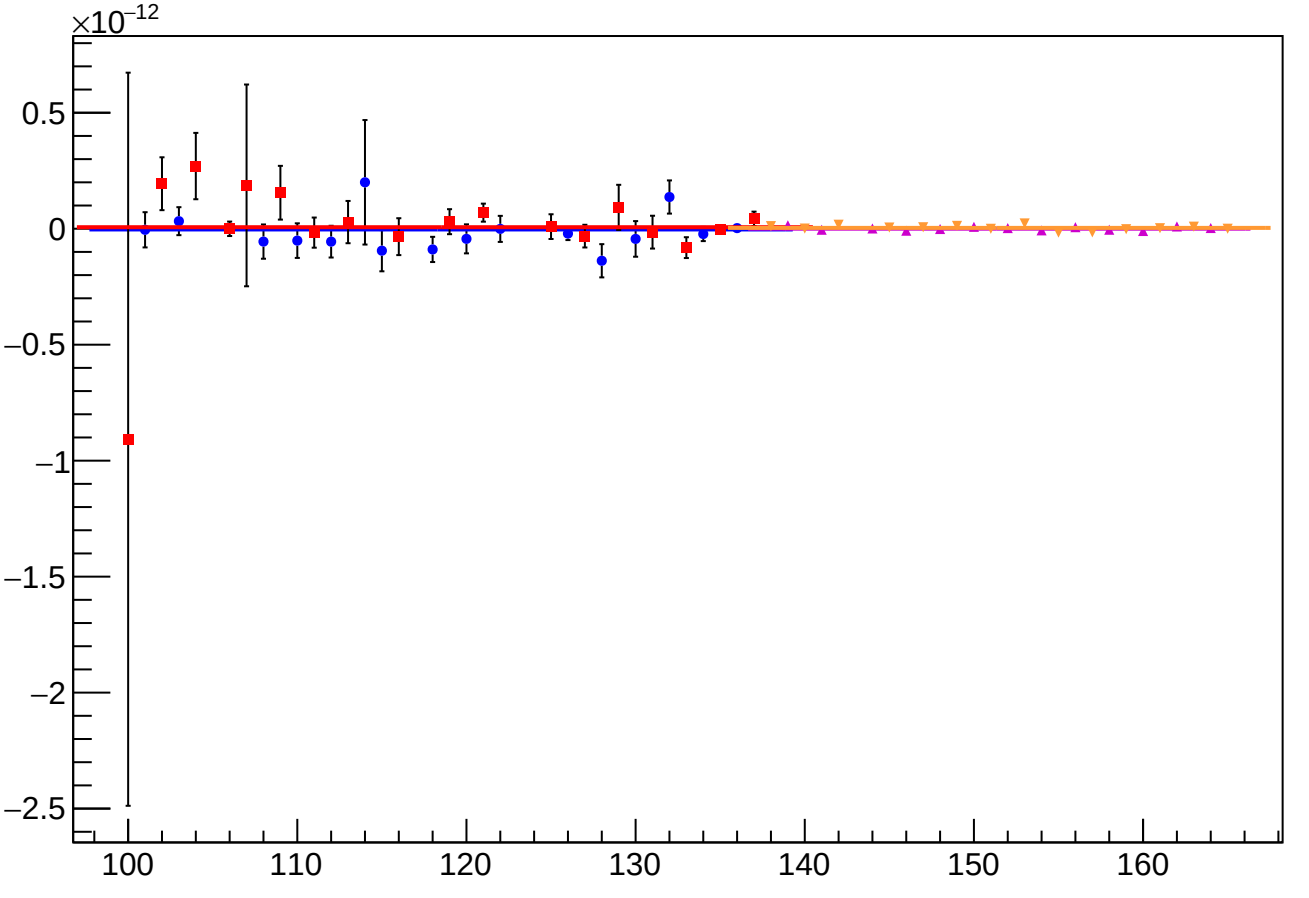
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2191.189+/-0.468 χ^2/NDF:1732.7/12

+ sign 2262.930+/-0.378 χ^2/NDF: 753328.3/29

All: 2270.766+/-0.268 χ^2/NDF: 1493514.2/60

- sign 2278.710+/-0.381 χ^2/NDF: 739322.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/13

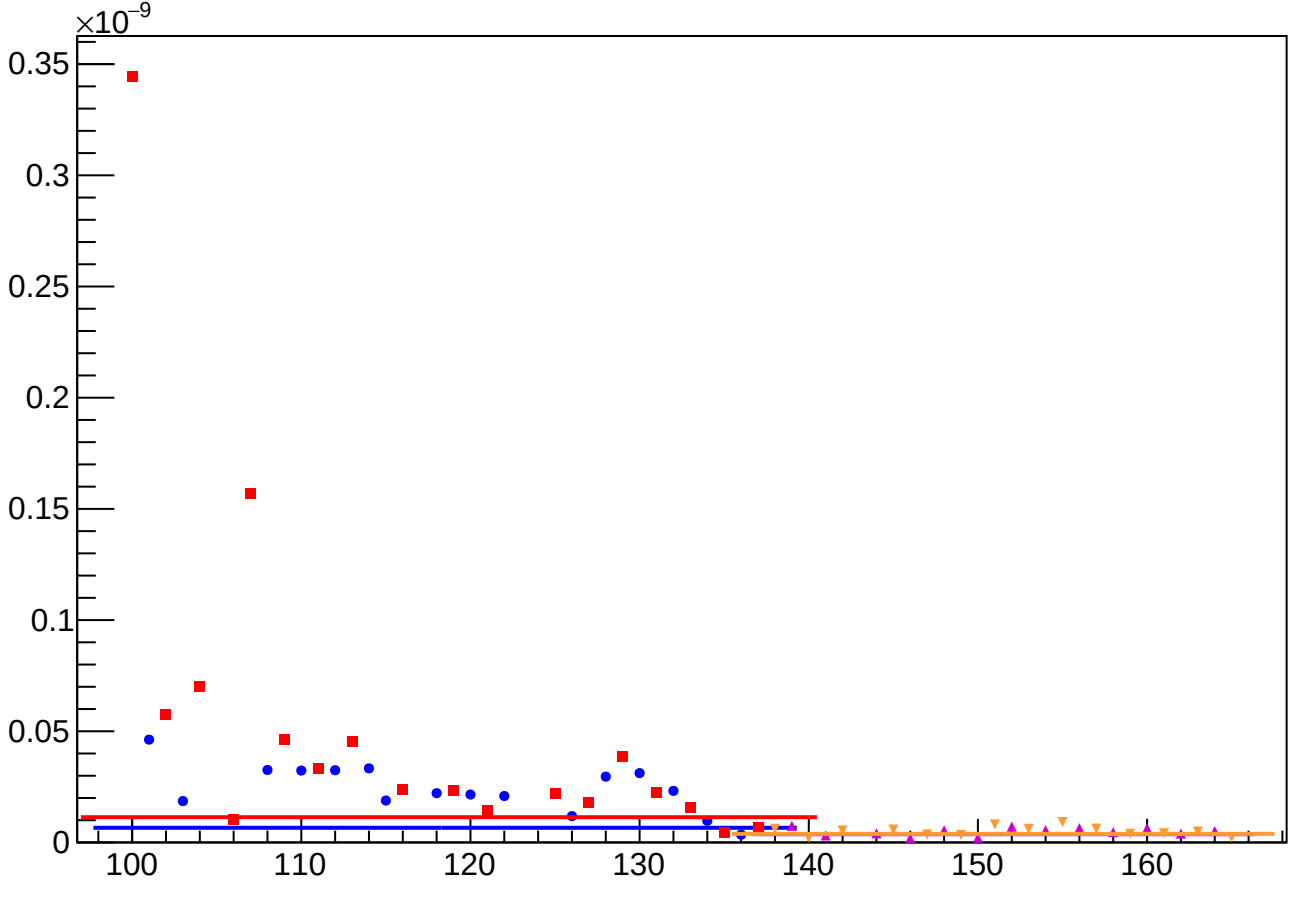
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:11.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/29

All: 0.000+/-0.000 χ^2/NDF: 59.6/60

- sign 0.000+/-0.000 χ^2/NDF: 30.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1291627.3/13

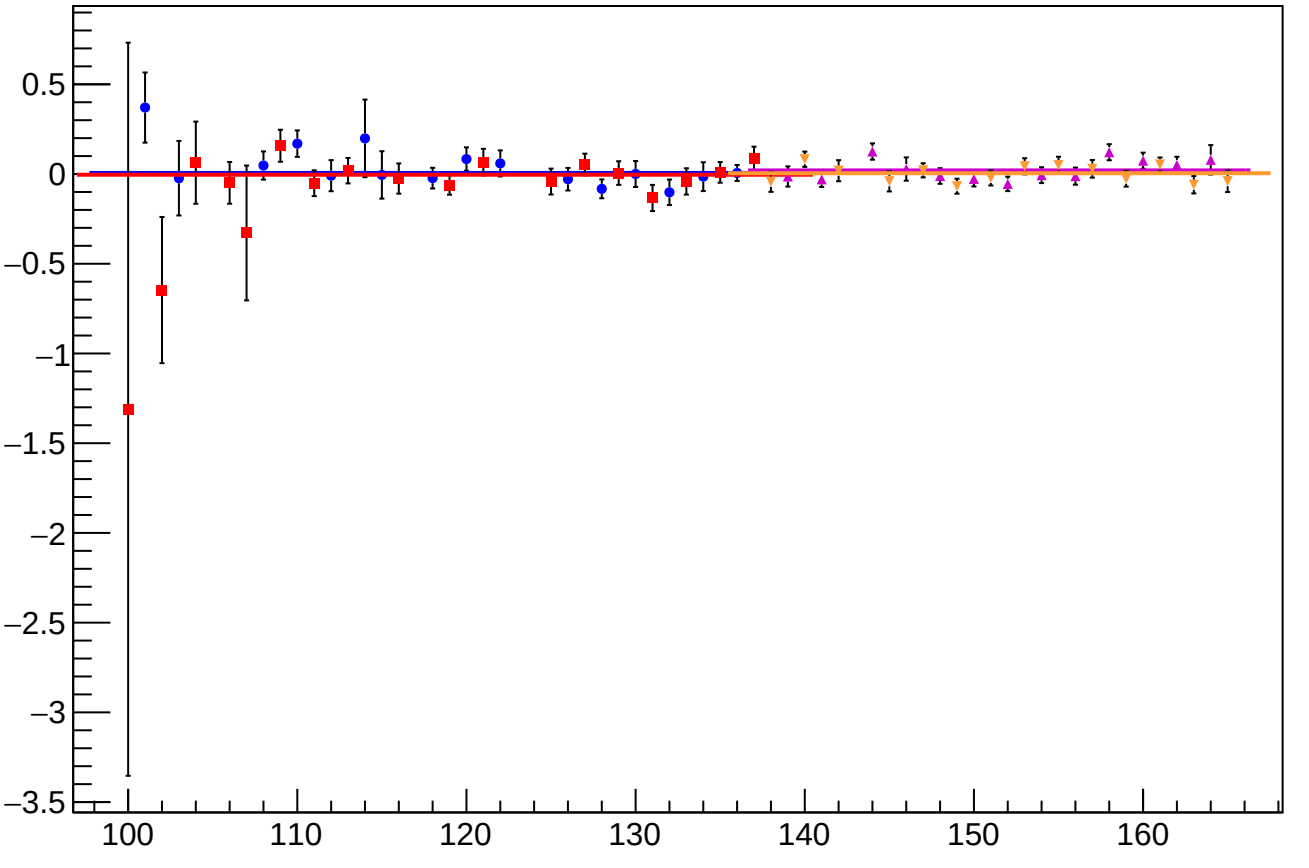
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1189615.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 4487173.5/29

All: 0.000+/-0.000 χ^2/NDF: 9544085.4/60

- sign 0.000+/-0.000 χ^2/NDF: 5055407.9/30



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/13

Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

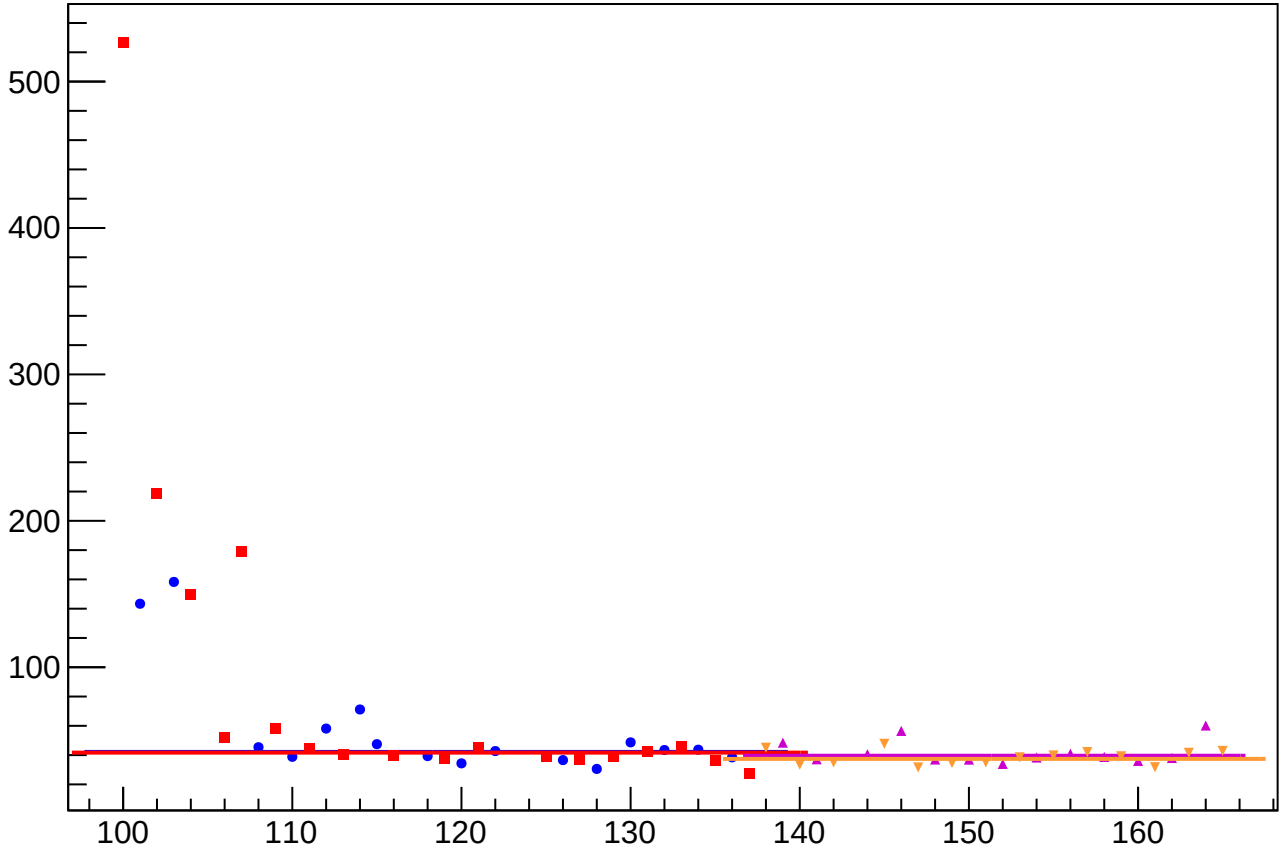
Left In: 0.020+/-0.013 χ^2/NDF:20.7/12

+ sign 0.005+/-0.010 χ^2/NDF: 31.8/29

All: 0.008+/-0.007 χ^2/NDF: 70.0/60

- sign 0.012+/-0.011 χ^2/NDF: 38.1/30

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: 37.416+/-0.009 χ^2/NDF:282785.7/13

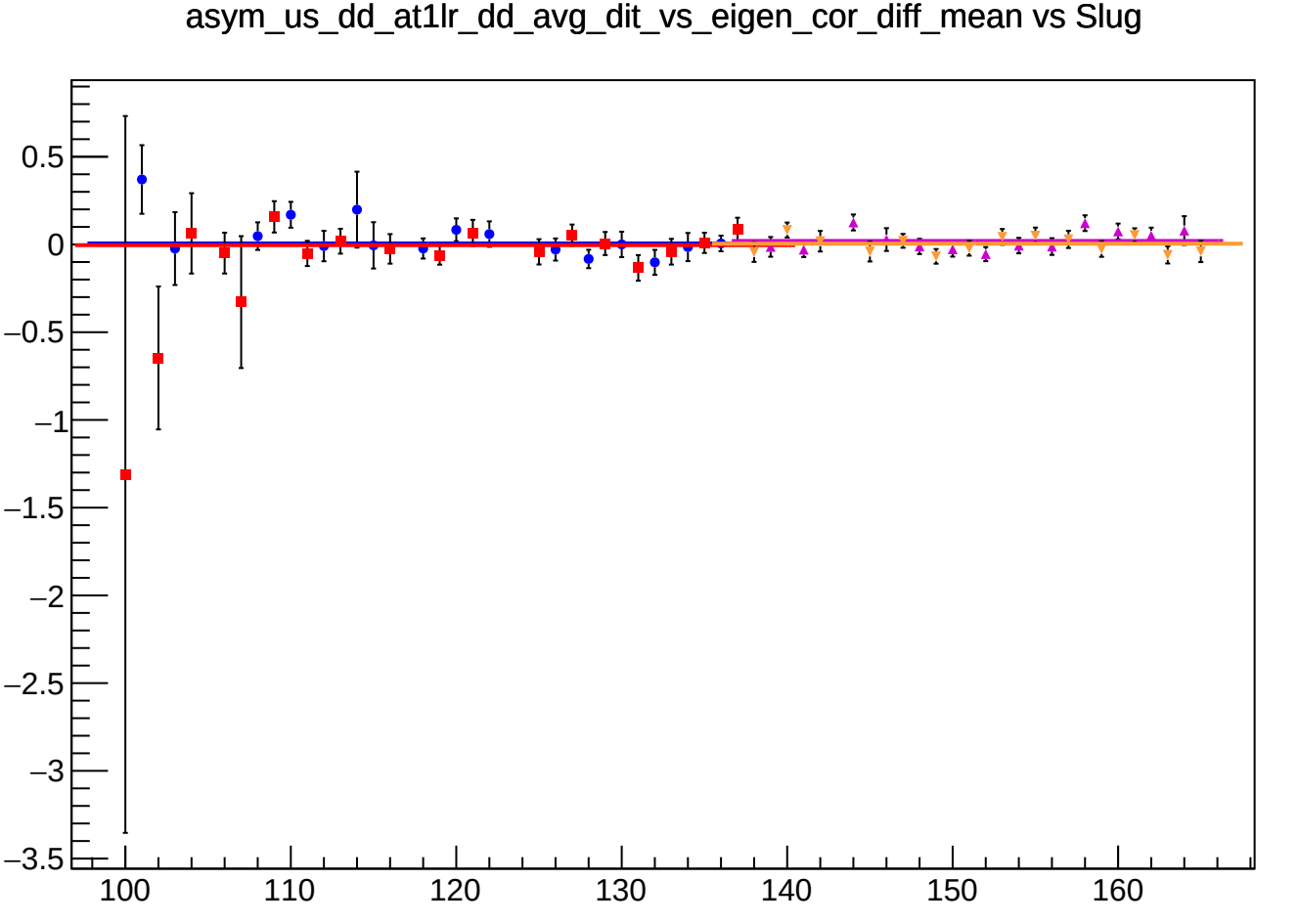
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.554+/-0.009 χ^2/NDF:392243.2/12

+ sign 38.920+/-0.007 χ^2/NDF: 1829619.8/29

All: 39.564+/-0.005 χ^2/NDF: 3697125.0/60

- sign 40.259+/-0.008 χ^2/NDF: 1851175.6/30



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/13

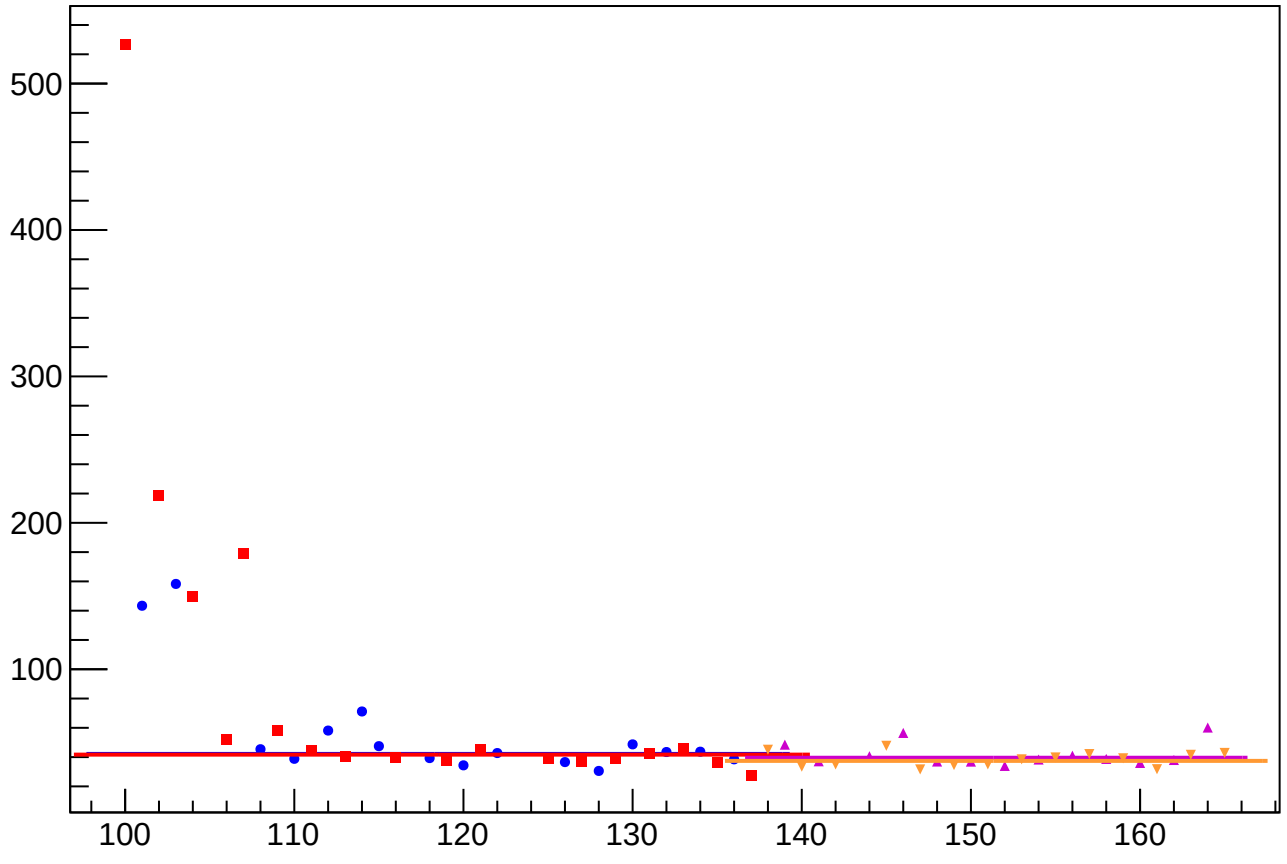
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.020+/-0.013 χ^2/NDF:20.7/12

+ sign 0.005+/-0.010 χ^2/NDF: 31.8/29

All: 0.008+/-0.007 χ^2/NDF: 70.0/60

- sign 0.012+/-0.011 χ^2/NDF: 38.1/30



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.416+/-0.009 χ^2/NDF:282785.7/13

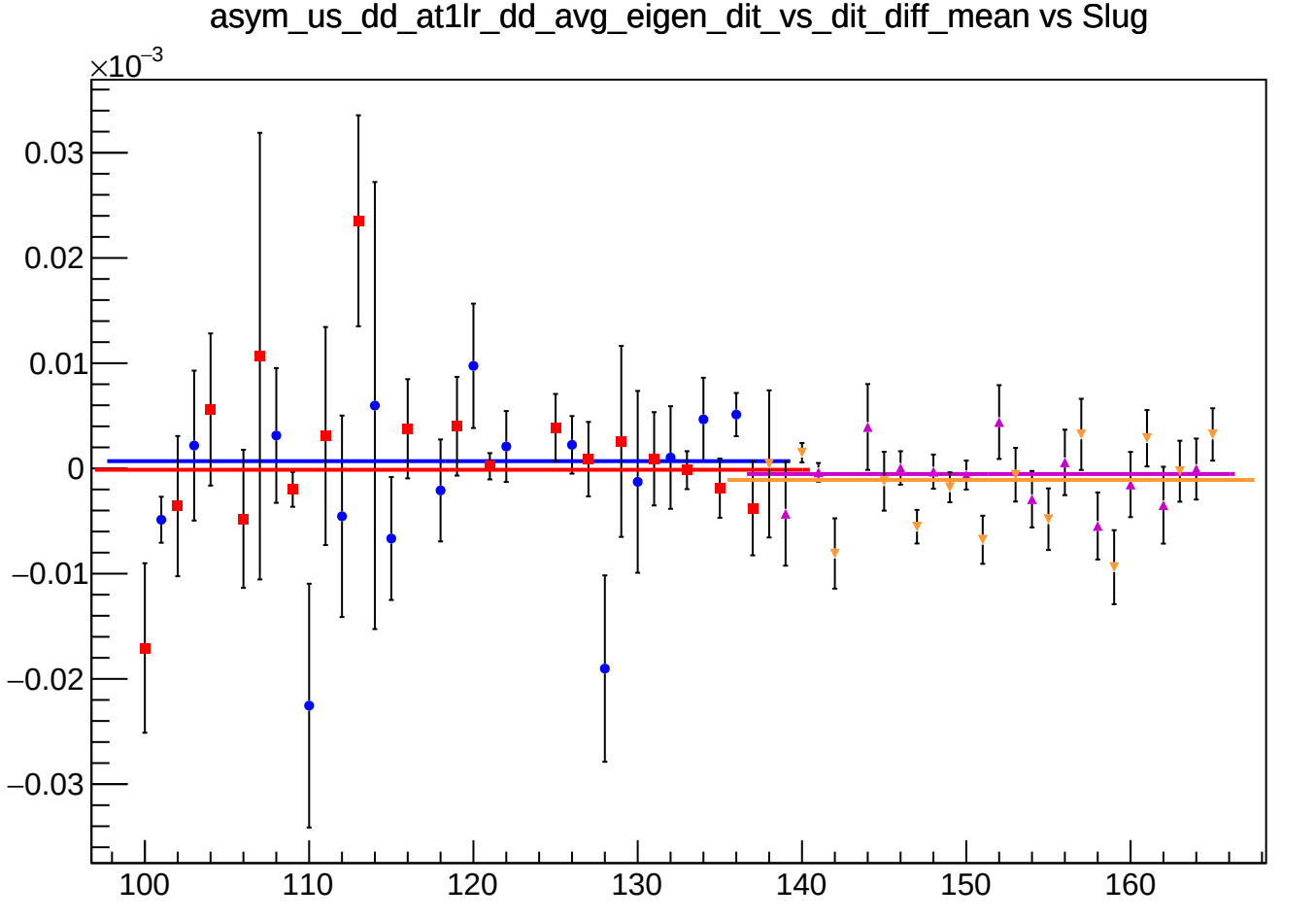
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.554+/-0.009 χ^2/NDF:392243.2/12

\+ sign 38.920+/-0.007 χ^2/NDF: 1829619.8/29

All: 39.564+/-0.005 χ^2/NDF: 3697125.0/60

\- sign 40.259+/-0.008 χ^2/NDF: 1851175.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.7/13

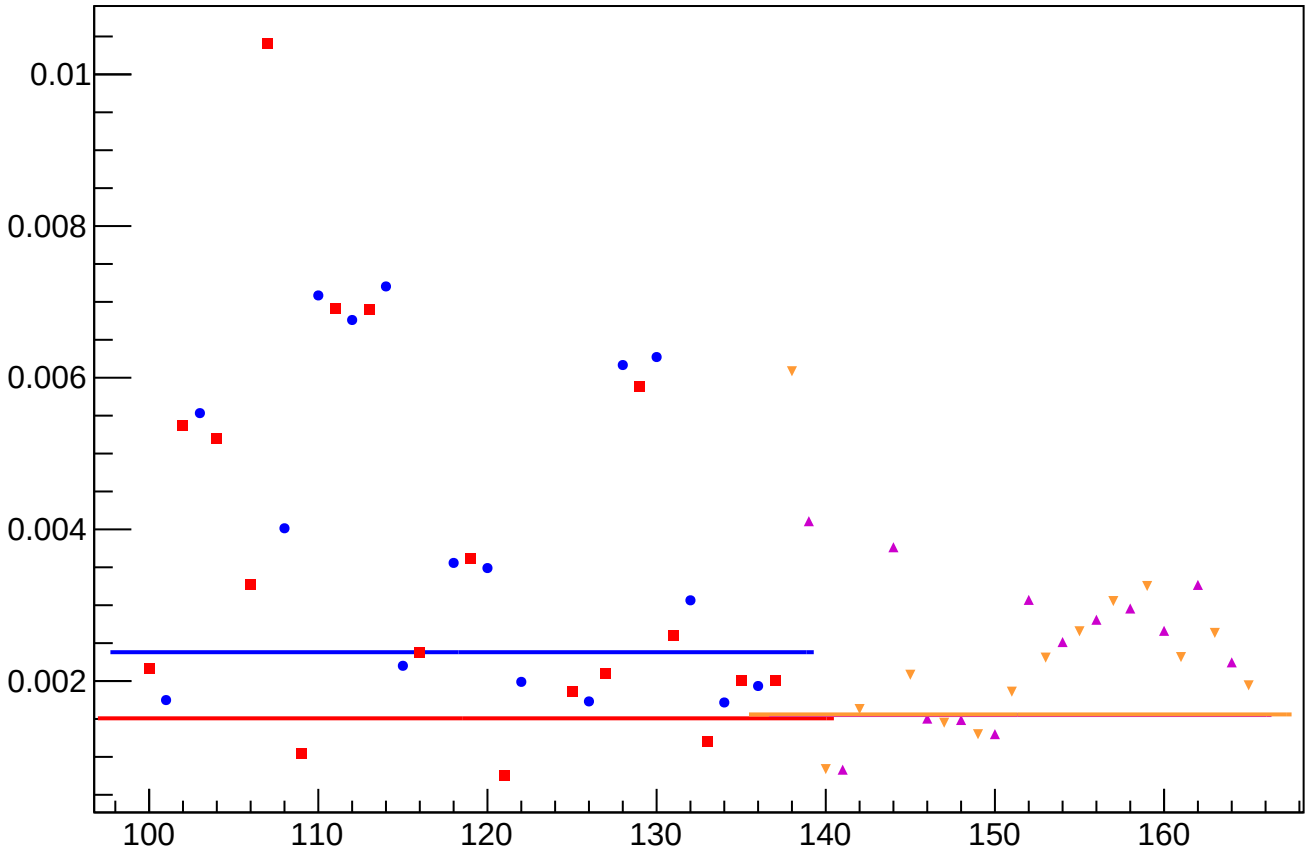
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:8.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/29

All: -0.000+/-0.000 χ^2/NDF: 95.5/60

- sign -0.000+/-0.000 χ^2/NDF: 25.7/30



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:4046176.7/13

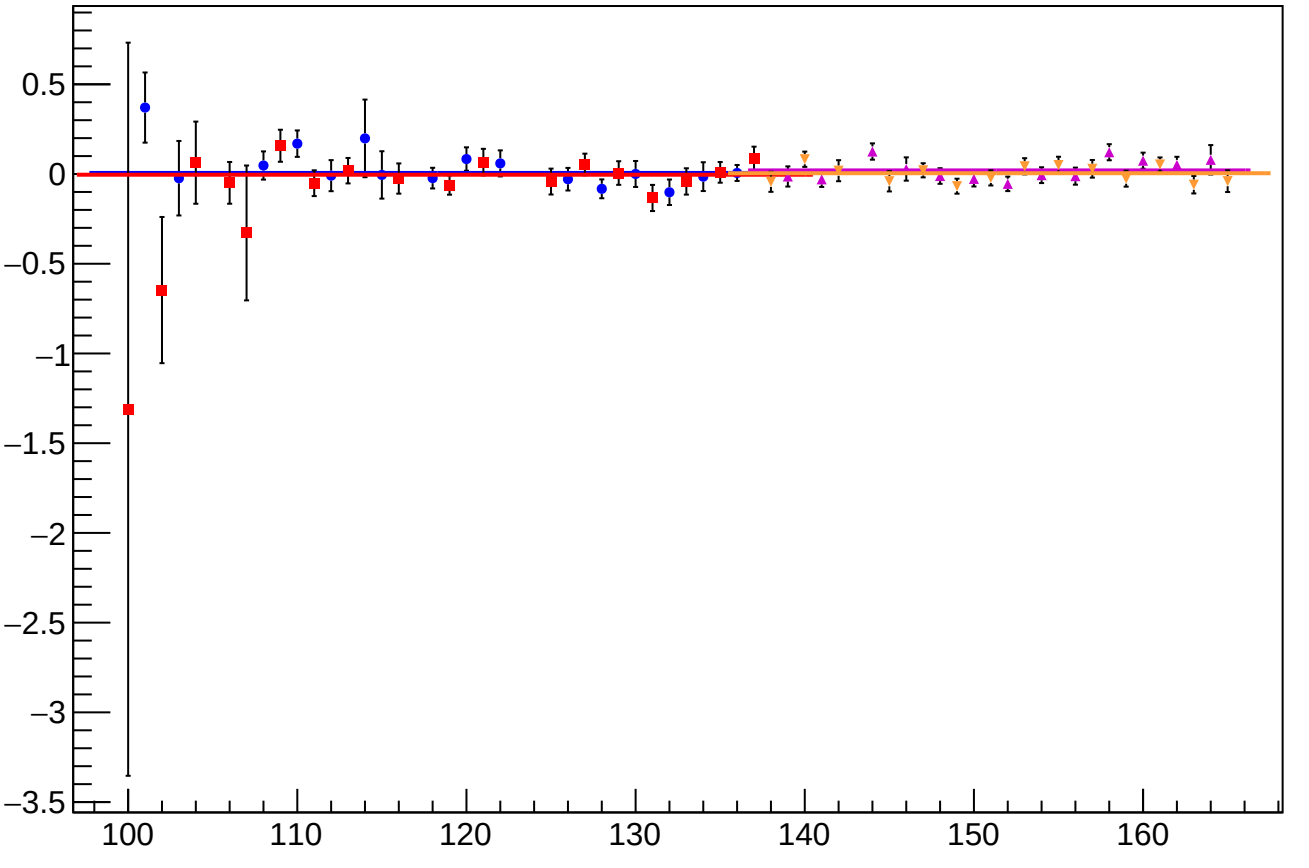
Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4677194.2/12

+ sign 0.002+/-0.000 χ^2/NDF: 7889141.6/29

All: 0.002+/-0.000 χ^2/NDF: 17776876.7/60

- sign 0.002+/-0.000 χ^2/NDF: 9683473.7/30



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/13

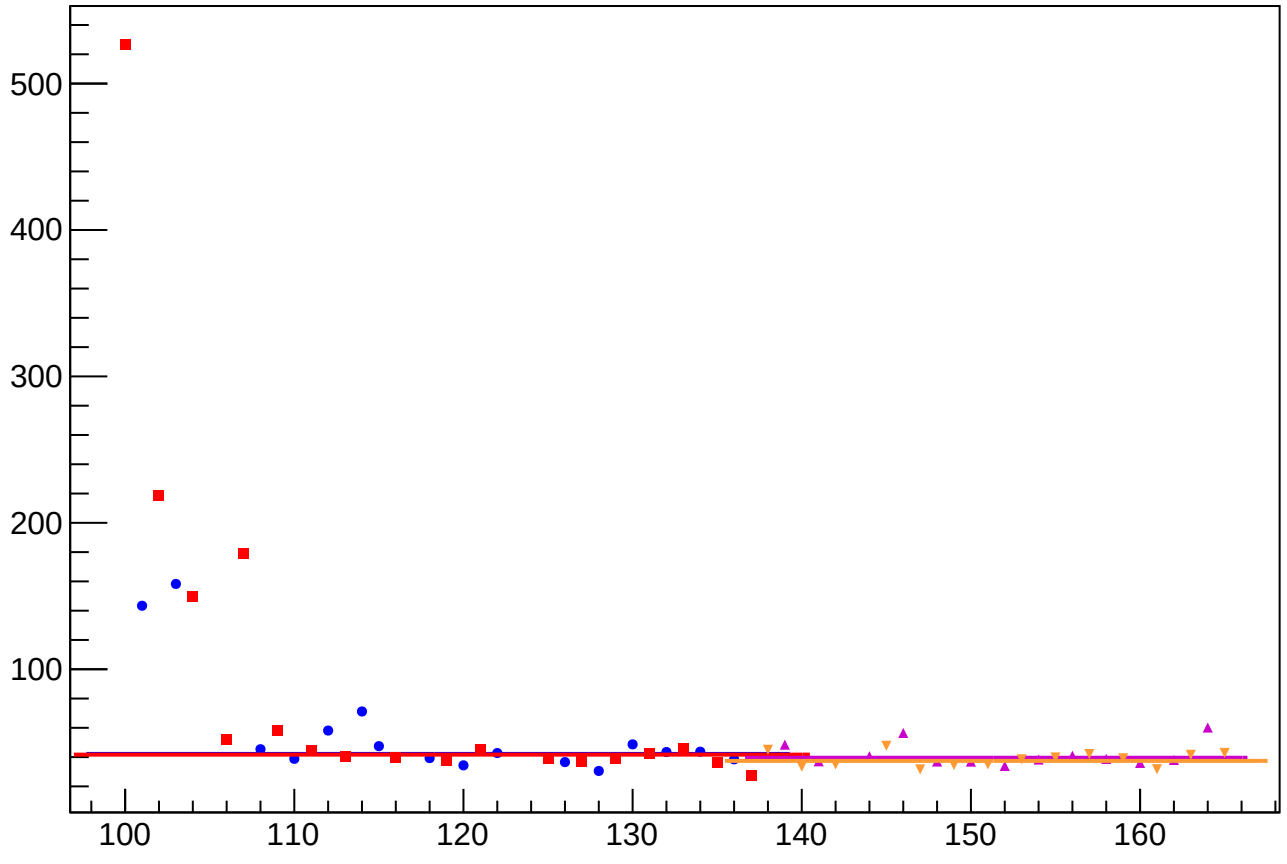
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.020+/-0.013 χ^2/NDF:20.7/12

+ sign 0.005+/-0.010 χ^2/NDF: 31.8/29

All: 0.008+/-0.007 χ^2/NDF: 70.0/60

- sign 0.012+/-0.011 χ^2/NDF: 38.1/30



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.416+/-0.009 χ^2/NDF:282769.4/13

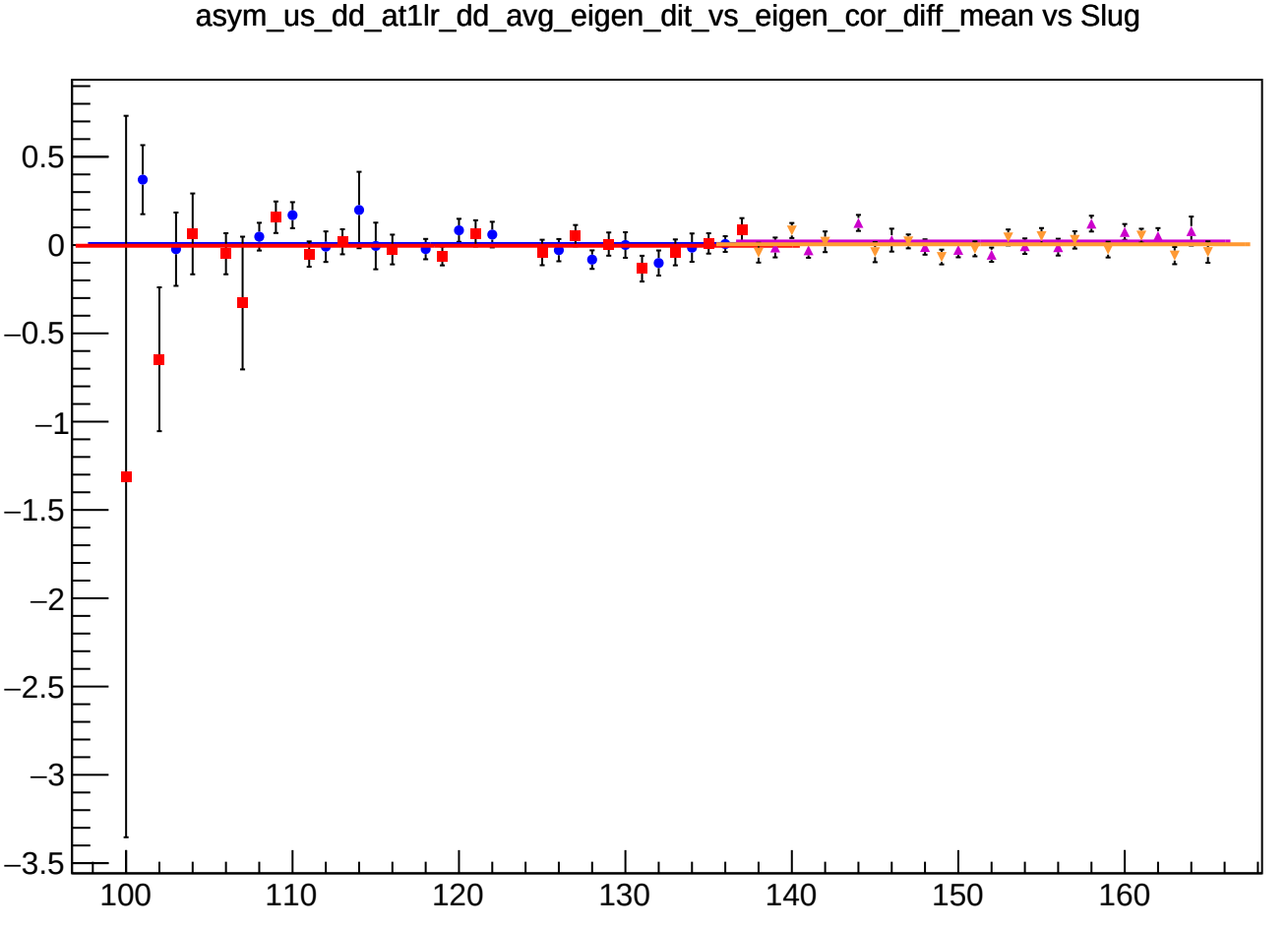
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.554+/-0.009 χ^2/NDF:392276.9/12

+ sign 38.920+/-0.007 χ^2/NDF: 1829722.7/29

All: 39.564+/-0.005 χ^2/NDF: 3697268.7/60

- sign 40.259+/-0.008 χ^2/NDF: 1851198.5/30



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:14.5/13

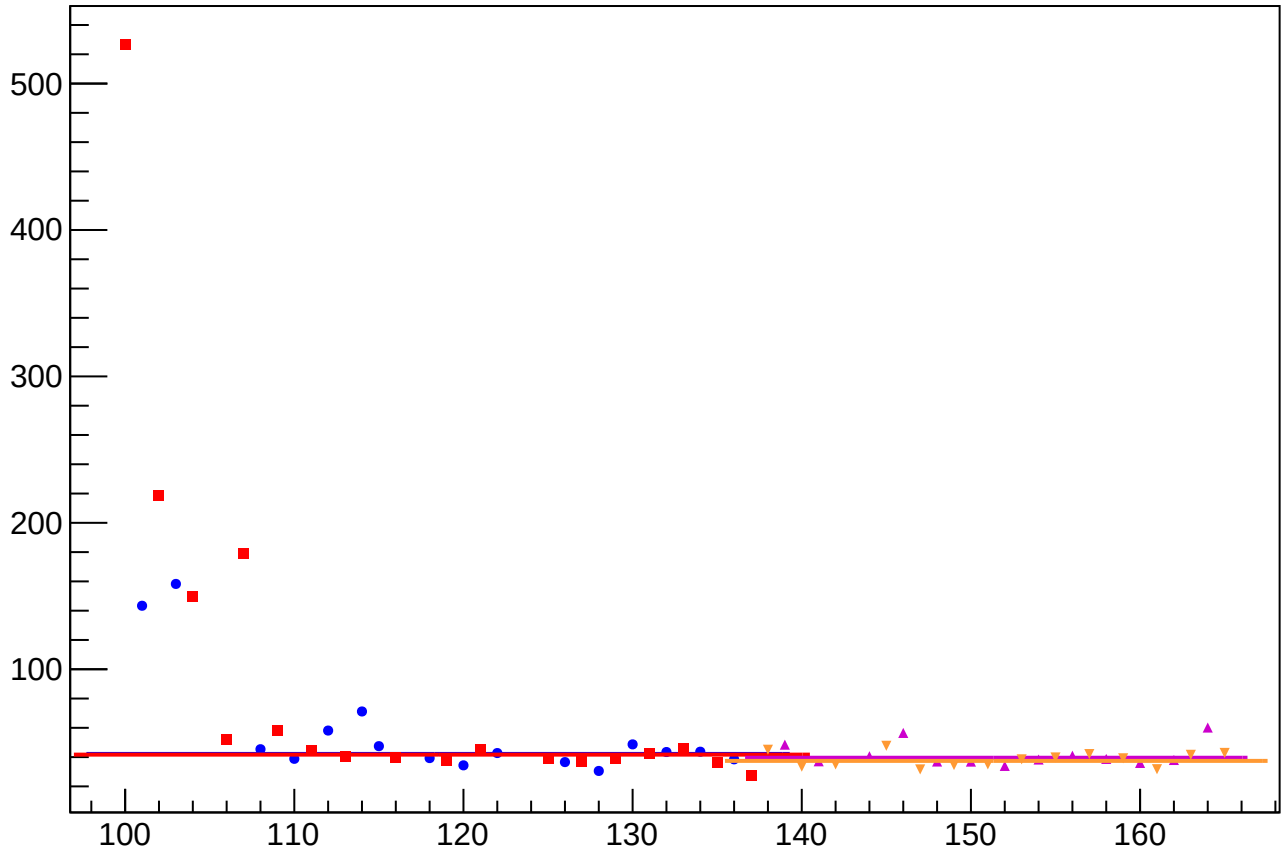
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.020+/-0.013 χ^2/NDF:20.7/12

+ sign 0.005+/-0.010 χ^2/NDF: 31.8/29

All: 0.008+/-0.007 χ^2/NDF: 70.0/60

- sign 0.012+/-0.011 χ^2/NDF: 38.1/30



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.416+/-0.009 χ^2/NDF:282769.4/13

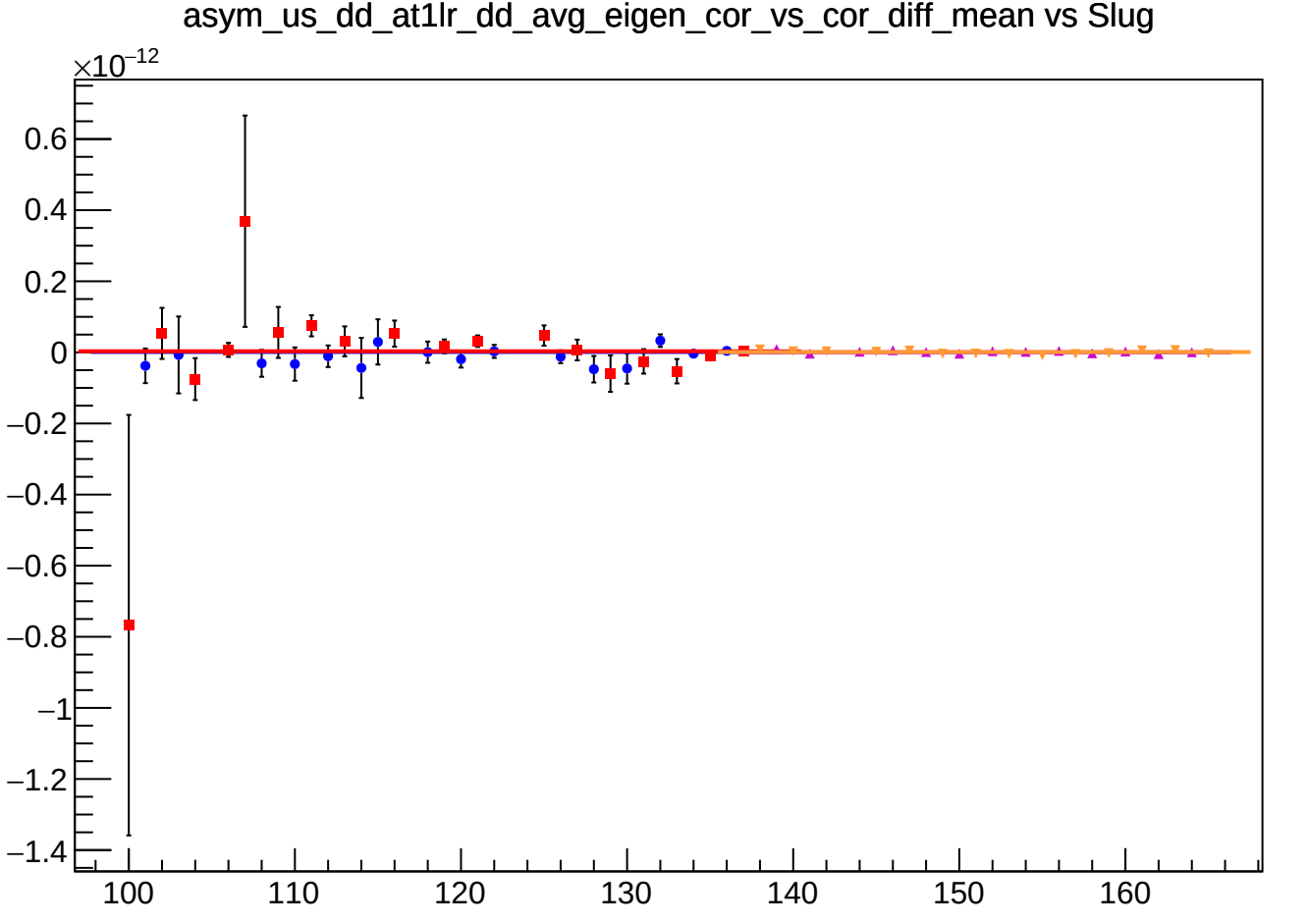
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

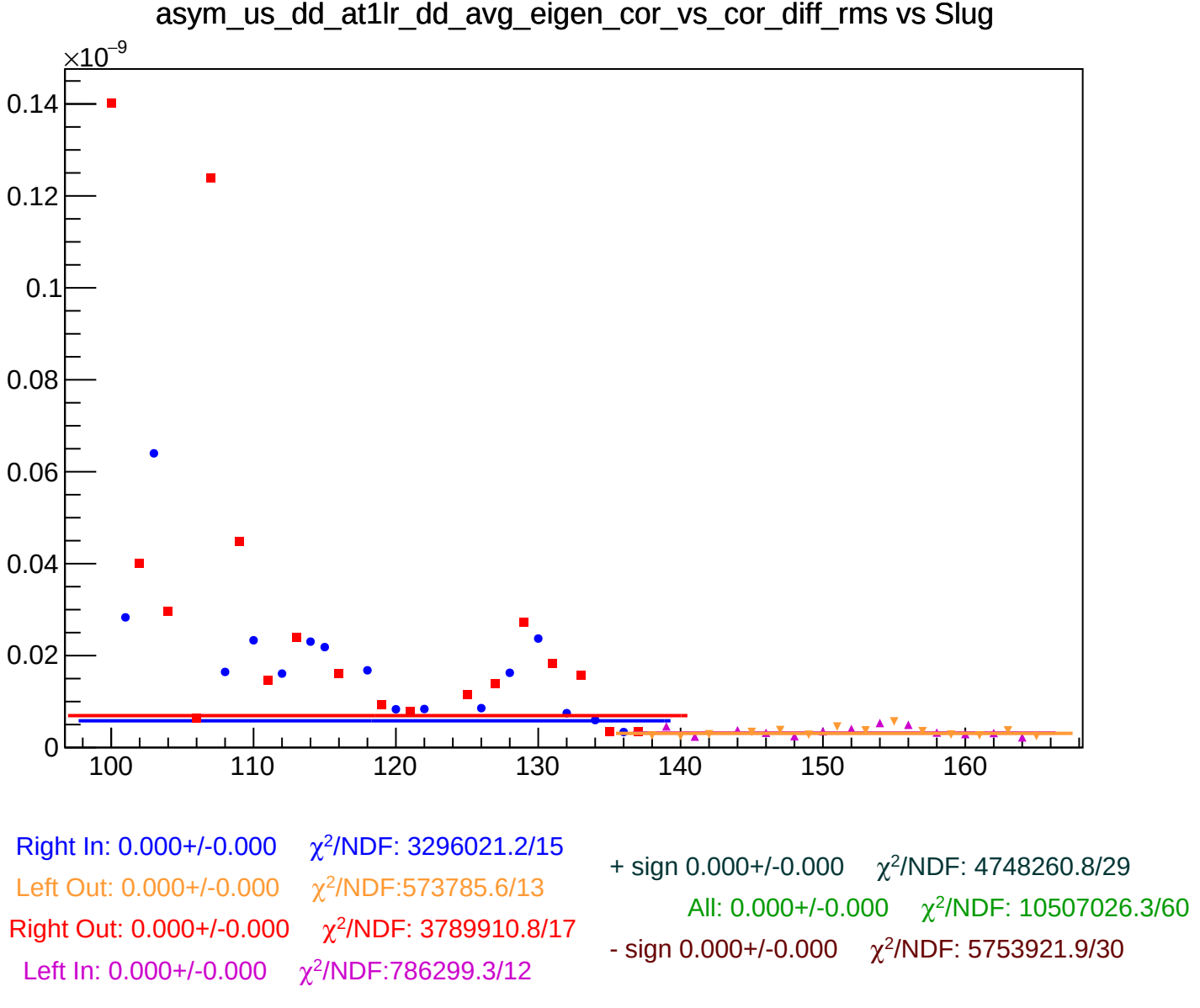
Left In: 39.554+/-0.009 χ^2/NDF:392276.9/12

+ sign 38.920+/-0.007 χ^2/NDF: 1829722.7/29

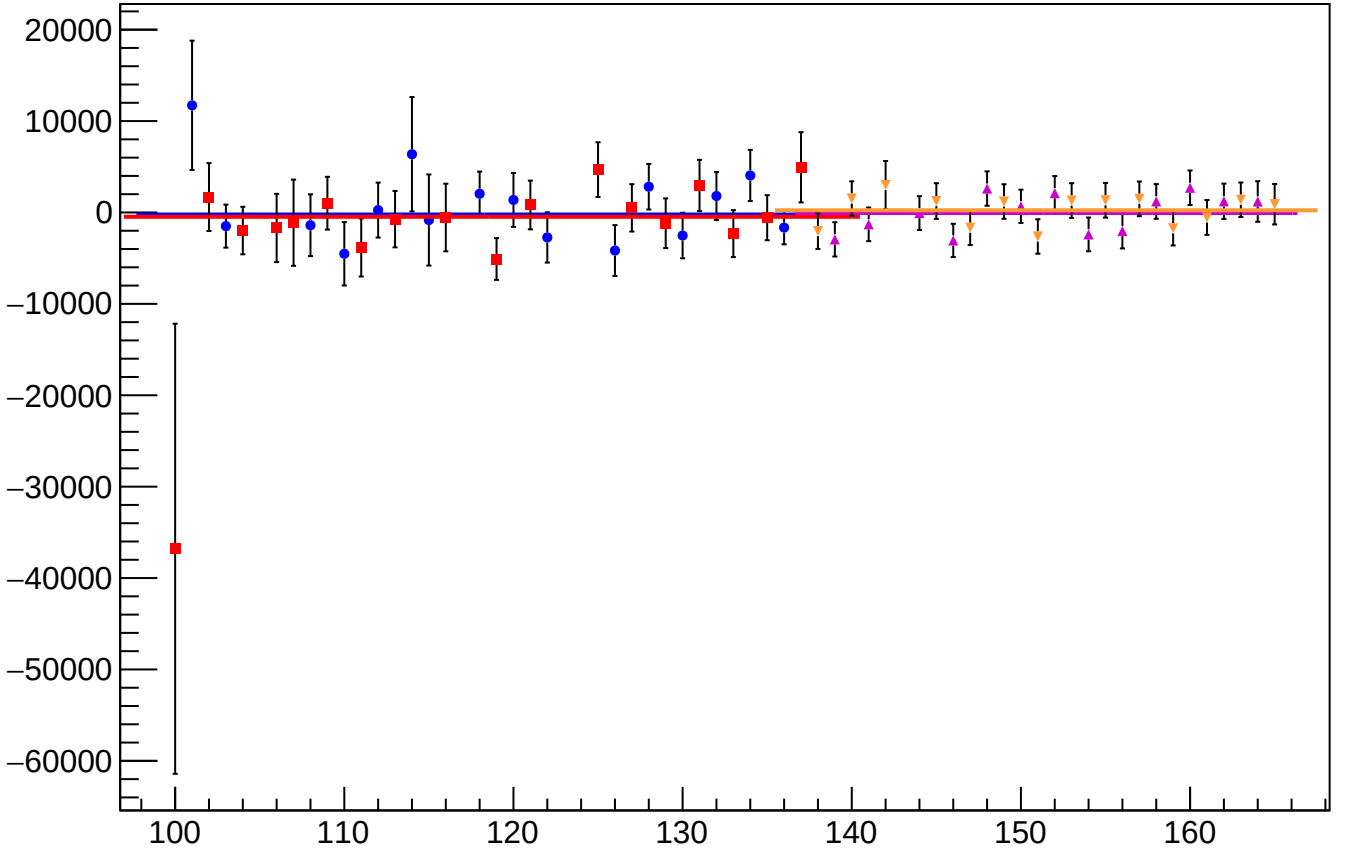
All: 39.564+/-0.005 χ^2/NDF: 3697268.7/60

- sign 40.259+/-0.008 χ^2/NDF: 1851198.5/30


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:11.9/13
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/17
Left In: 0.000+/-0.000 χ²/NDF:7.7/12
+ sign 0.000+/-0.000 χ²/NDF: 22.5/29
All: 0.000+/-0.000 χ²/NDF: 59.4/60
- sign 0.000+/-0.000 χ²/NDF: 36.8/30


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:573785.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:786299.3/12
+ sign 0.000+/-0.000 χ²/NDF: 4748260.8/29
All: 0.000+/-0.000 χ²/NDF: 10507026.3/60
- sign 0.000+/-0.000 χ²/NDF: 5753921.9/30

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 237.330+/-522.287 χ^2/NDF:9.6/13

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

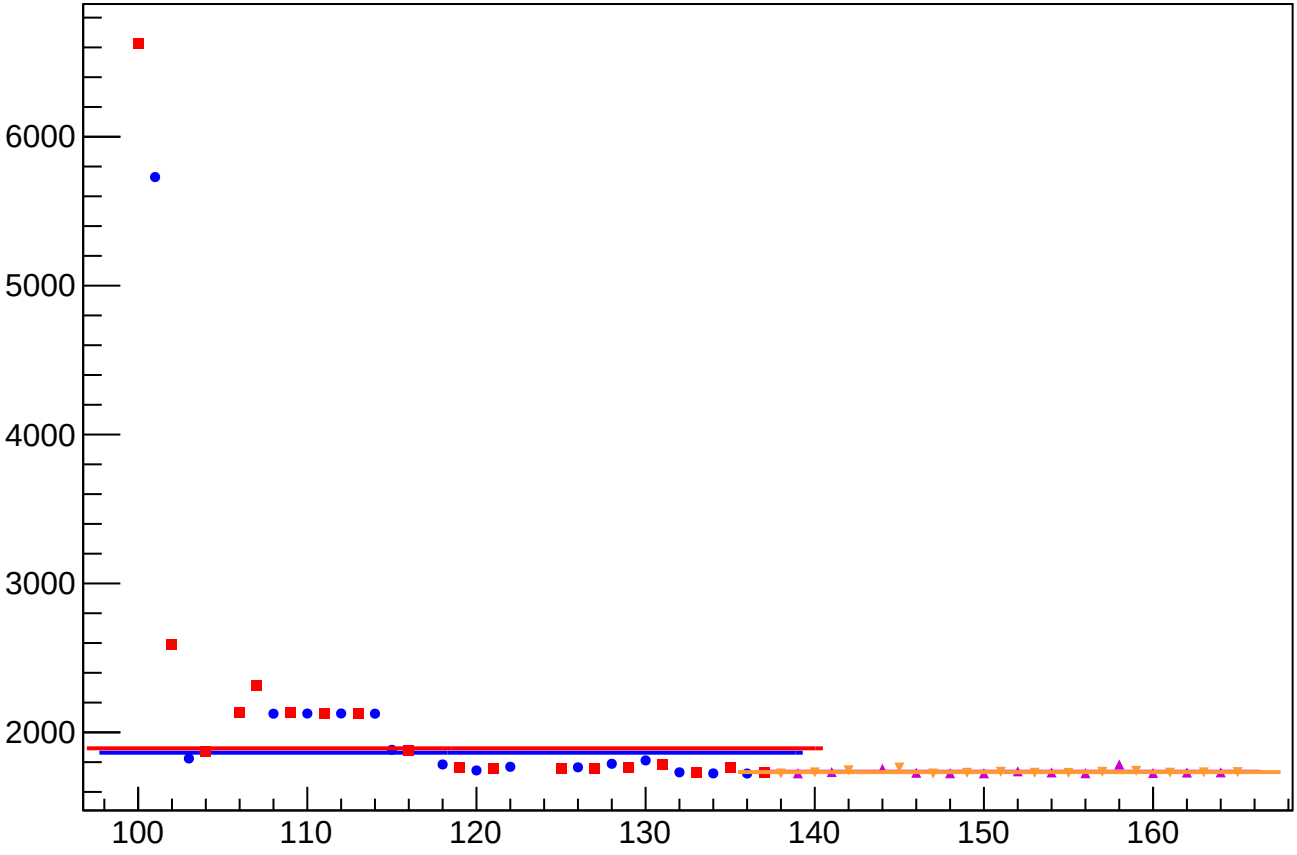
Left In: -59.665+/-524.026 χ^2/NDF:15.1/12

+ sign 75.452+/-420.540 χ^2/NDF: 25.7/29

All: -64.223+/-297.858 χ^2/NDF: 57.1/60

- sign -204.825+/-421.932 χ^2/NDF: 31.2/30

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.247+/-0.369 χ^2/NDF:713.3/13

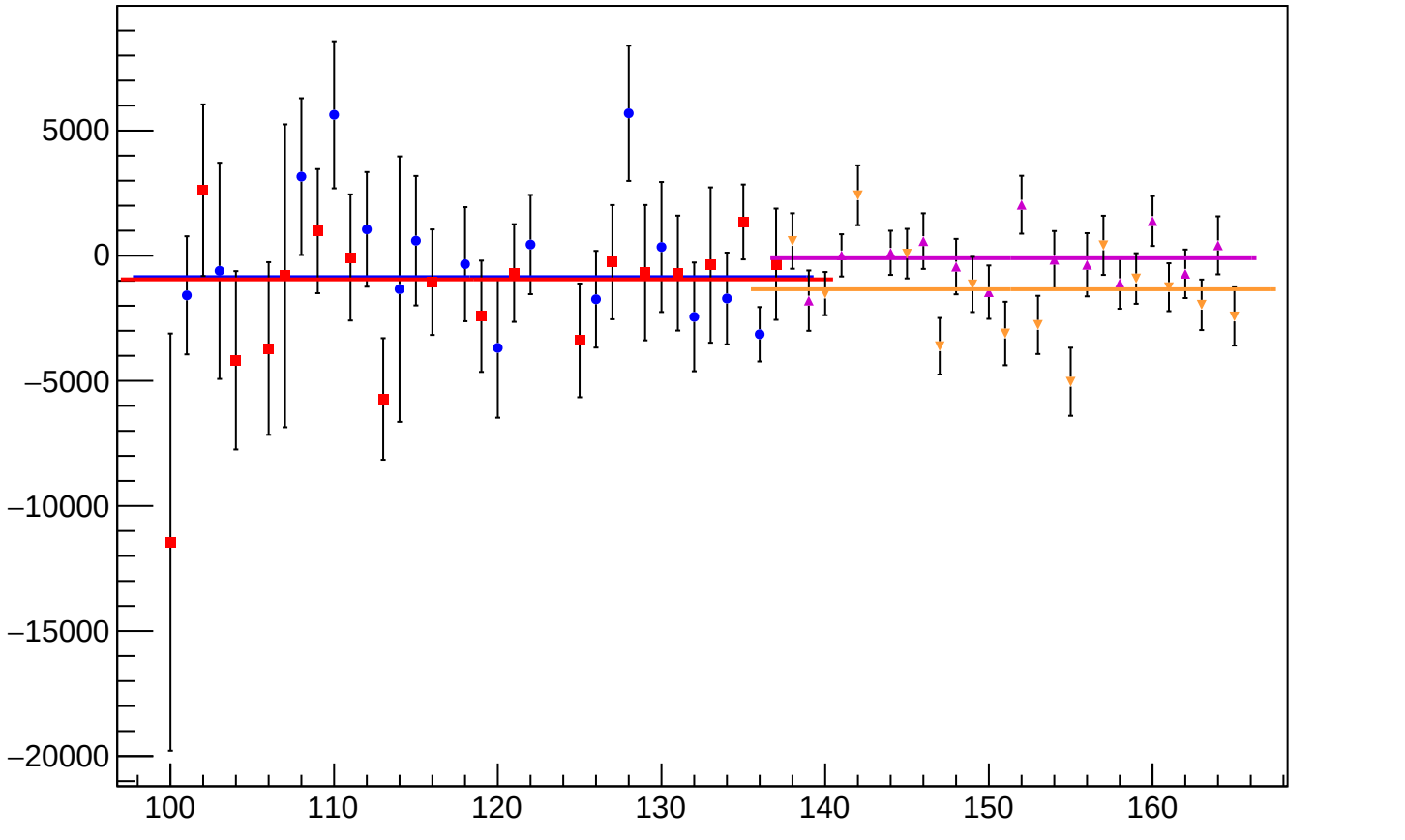
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

+ sign 1779.082+/-0.297 χ^2/NDF: 719177.3/29

All: 1785.001+/-0.211 χ^2/NDF: 1036683.0/60

- sign 1790.959+/-0.298 χ^2/NDF: 316710.7/30



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1340.747+/-290.069 χ^2/NDF:33.6/13

Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

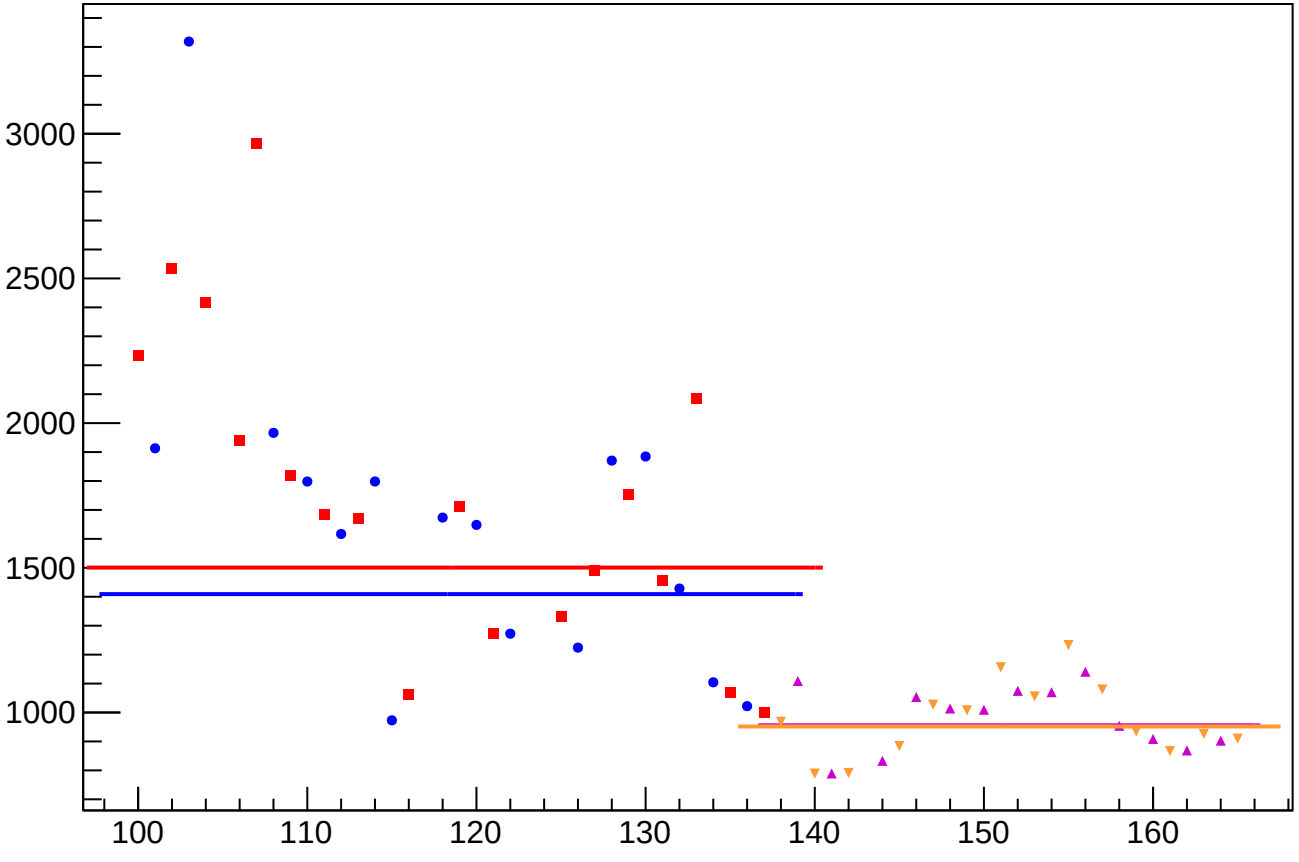
Left In: -99.895+/-291.129 χ^2/NDF:11.4/12

+ sign -1235.476+/-256.552 χ^2/NDF: 54.8/29

All: -759.246+/-182.805 χ^2/NDF: 87.8/60

- sign -268.069+/-260.546 χ^2/NDF: 26.0/30

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 951.673+/-0.205 χ^2/NDF:328046.7/13

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

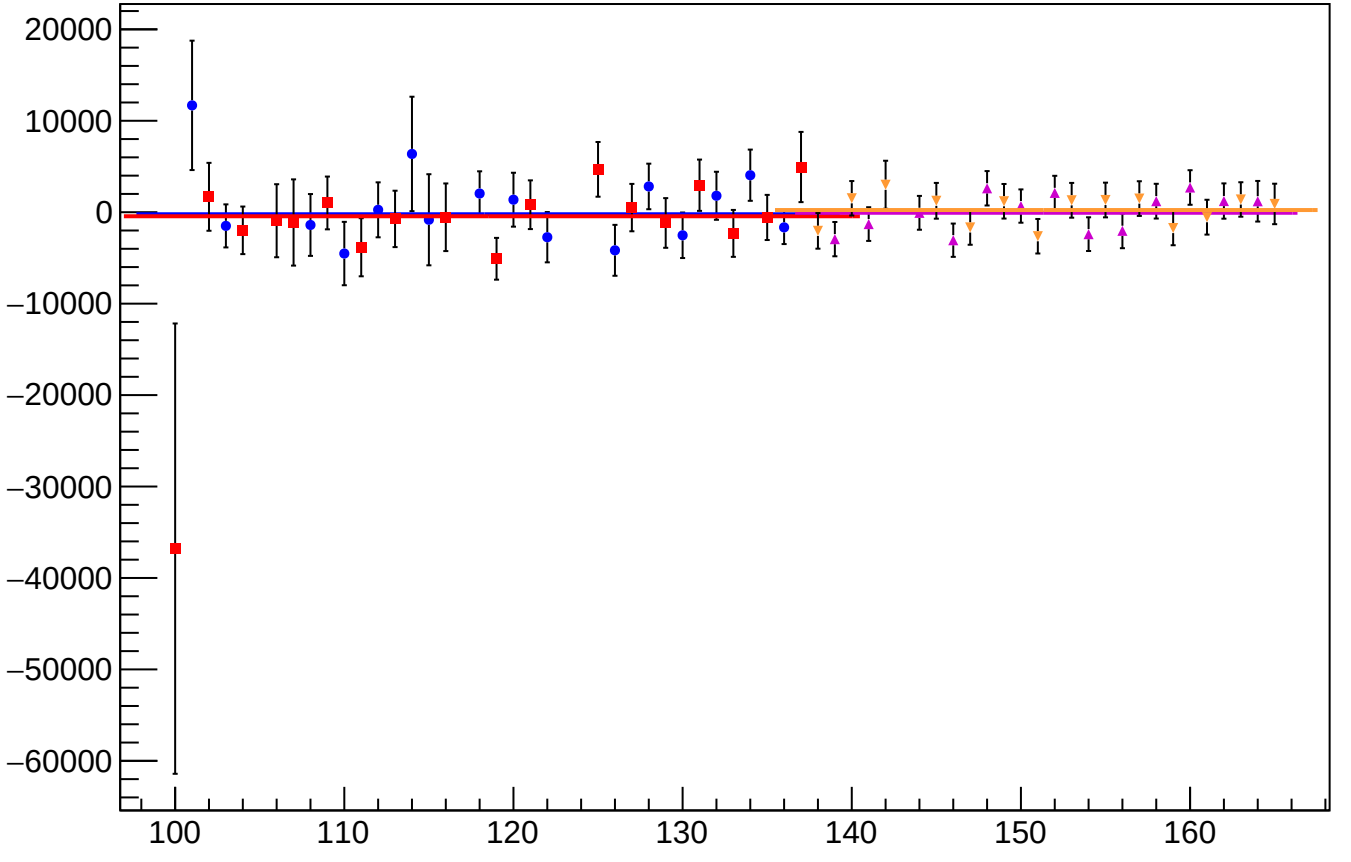
Left In: 955.764+/-0.206 χ^2/NDF:283577.8/12

+ sign 1051.276+/-0.181 χ^2/NDF: 2578725.3/29

All: 1057.668+/-0.129 χ^2/NDF: 5291005.7/60

- sign 1064.261+/-0.184 χ^2/NDF: 2709757.9/30

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 237.425+/-522.287 χ^2/NDF:9.6/13

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

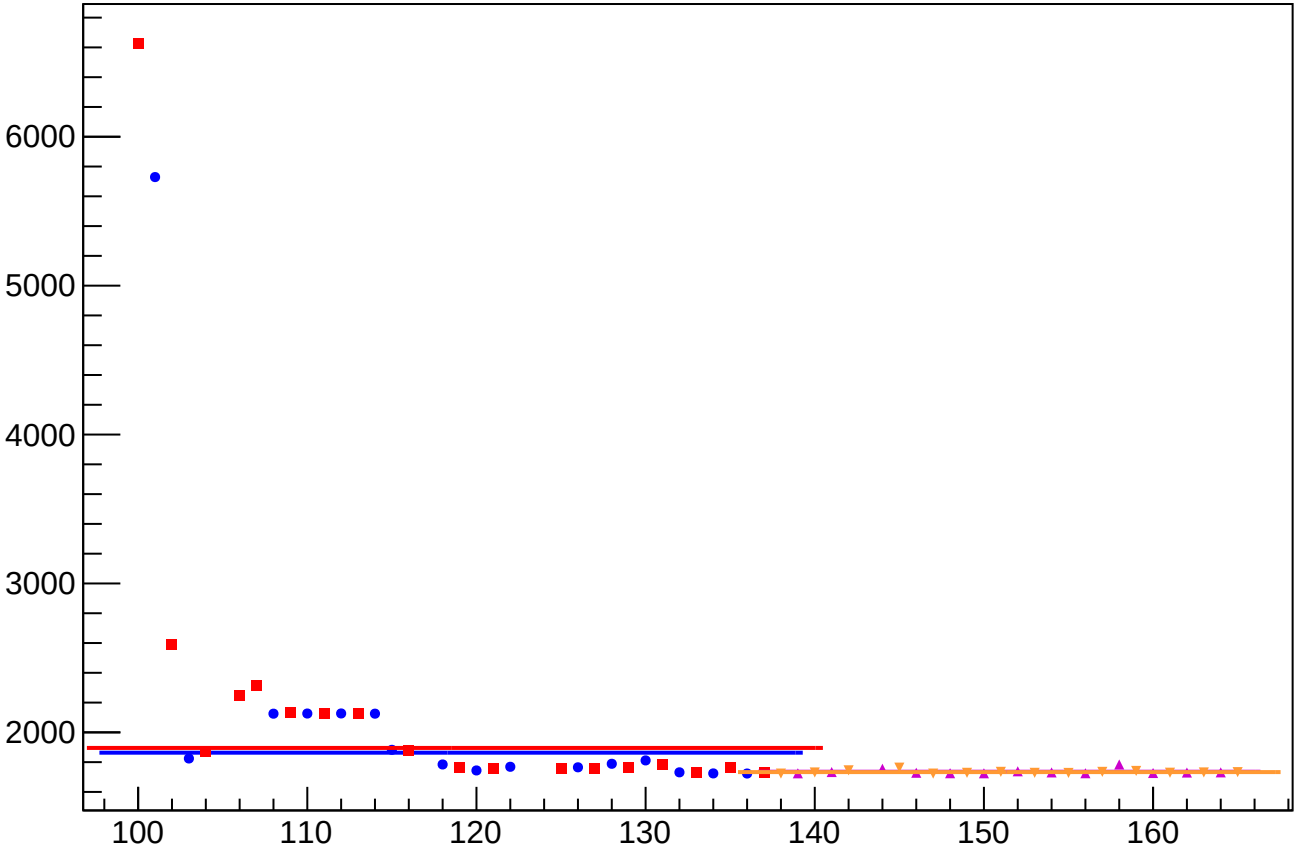
Left In: -59.672+/-524.026 χ^2/NDF:15.1/12

+ sign 75.241+/-420.540 χ^2/NDF: 25.7/29

All: -58.875+/-297.976 χ^2/NDF: 56.9/60

- sign -194.096+/-422.270 χ^2/NDF: 31.1/30

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.247+/-0.369 χ^2/NDF:713.3/13

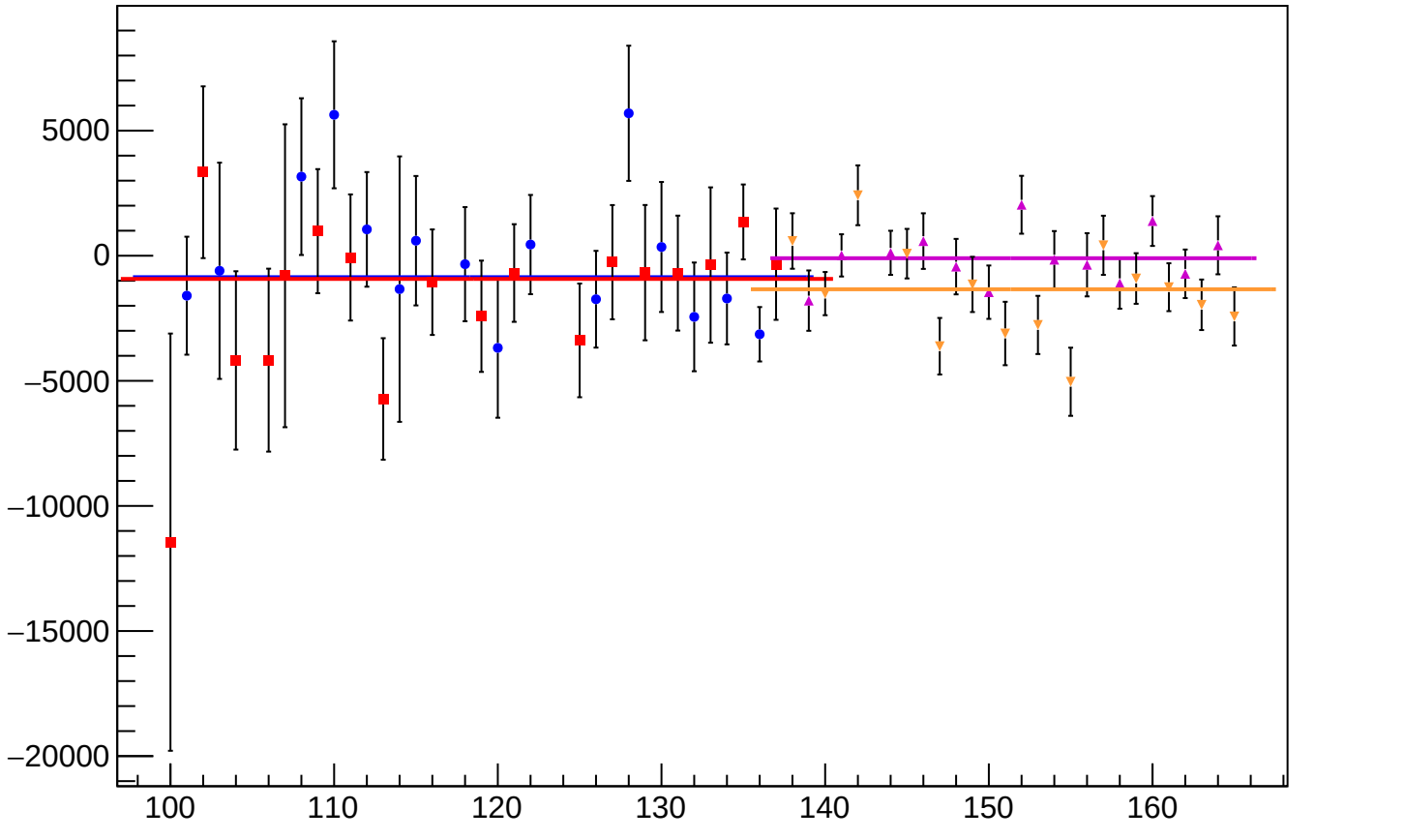
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

+ sign 1779.082+/-0.297 χ^2/NDF: 719177.2/29

All: 1785.373+/-0.211 χ^2/NDF: 1046384.5/60

- sign 1791.717+/-0.299 χ^2/NDF: 326308.3/30



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1340.697+/-290.069 χ^2/NDF:33.6/13

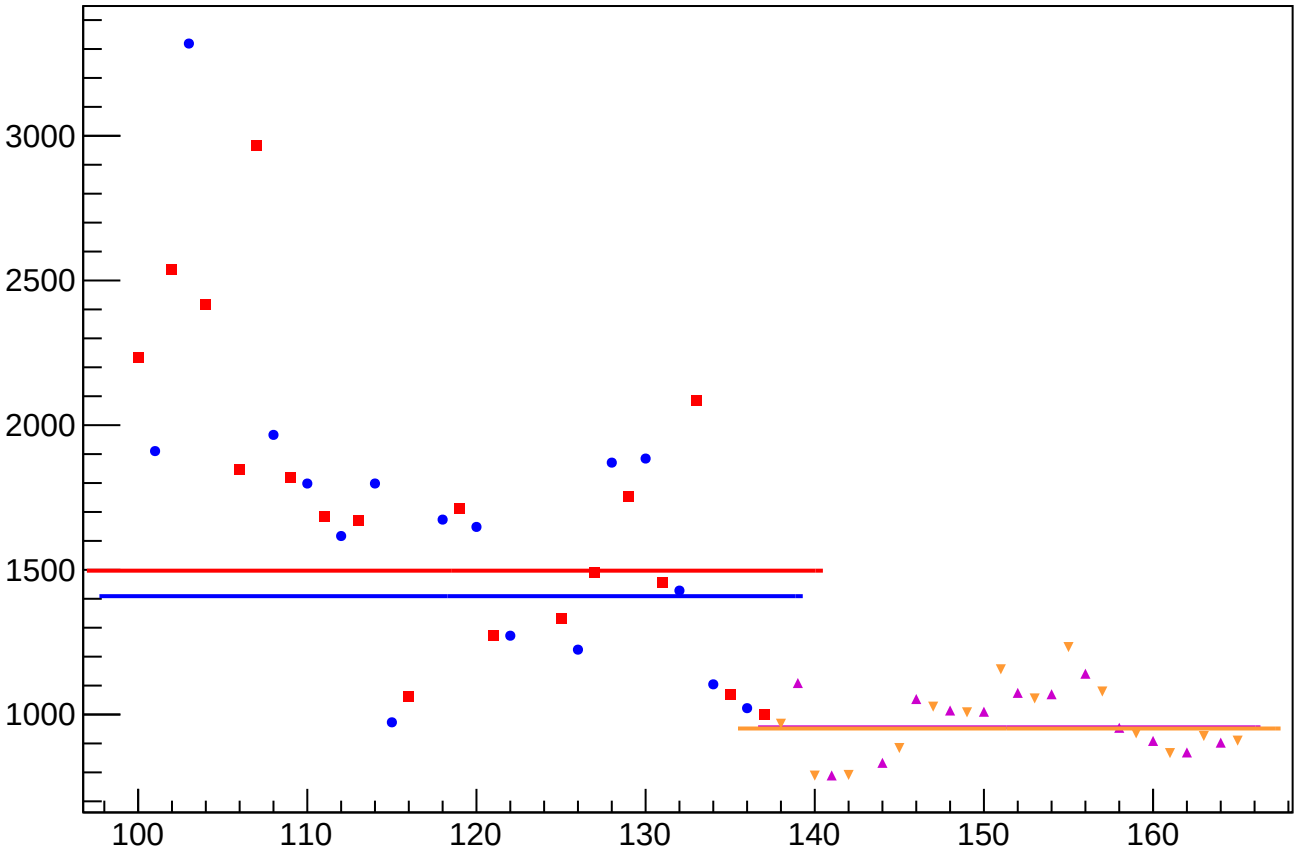
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -99.952+/-291.128 χ^2/NDF:11.4/12

+ sign -1235.603+/-256.547 χ^2/NDF: 54.8/29

All: -757.570+/-182.832 χ^2/NDF: 88.4/60

- sign -264.210+/-260.627 χ^2/NDF: 26.5/30



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 951.673+/-0.205 χ^2/NDF:328015.6/13

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

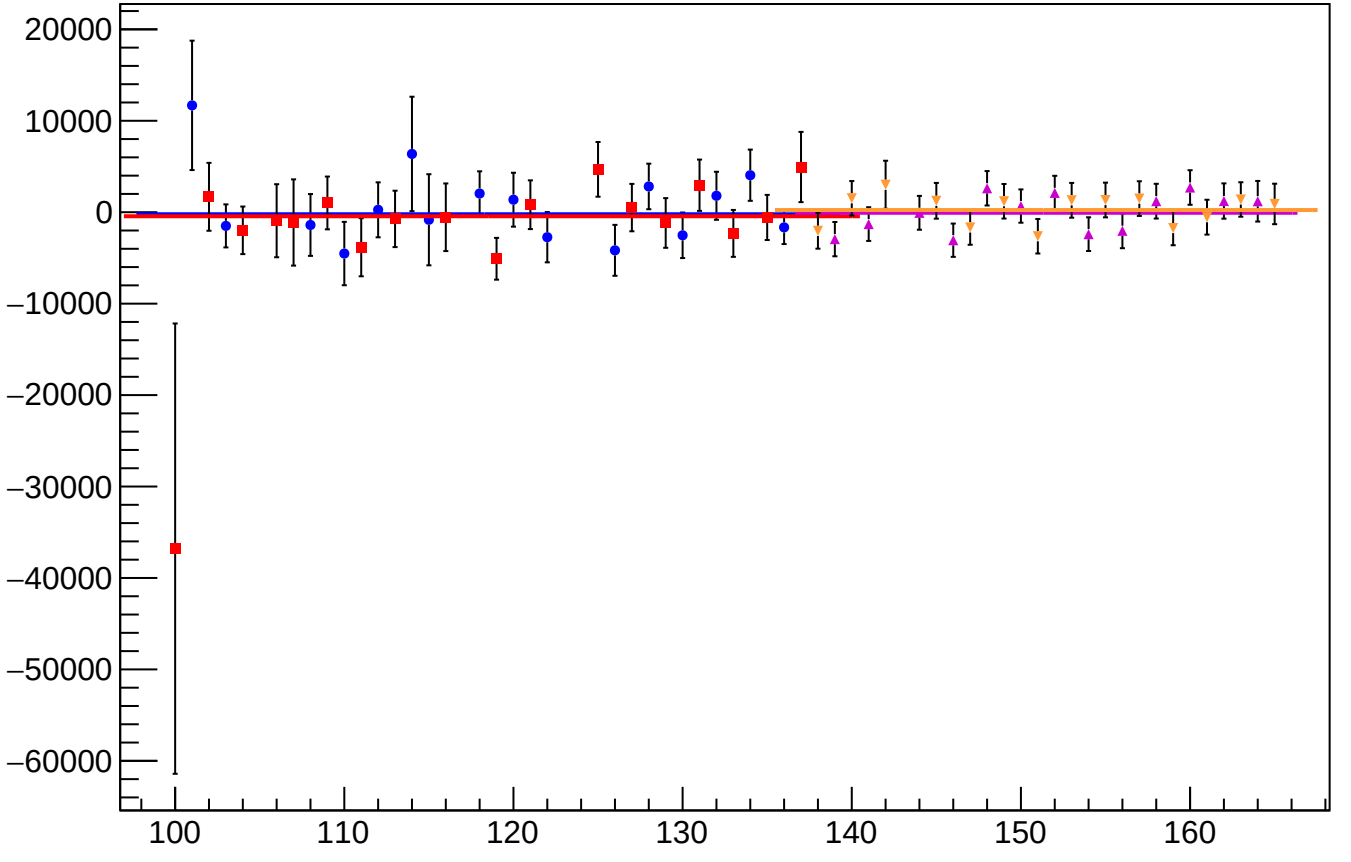
Left In: 955.760+/-0.206 χ^2/NDF:283591.5/12

+ sign 1051.271+/-0.181 χ^2/NDF: 2577816.3/29

All: 1057.171+/-0.129 χ^2/NDF: 5255011.0/60

- sign 1063.259+/-0.184 χ^2/NDF: 2675045.5/30

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 237.425+/-522.287 χ^2/NDF:9.6/13

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

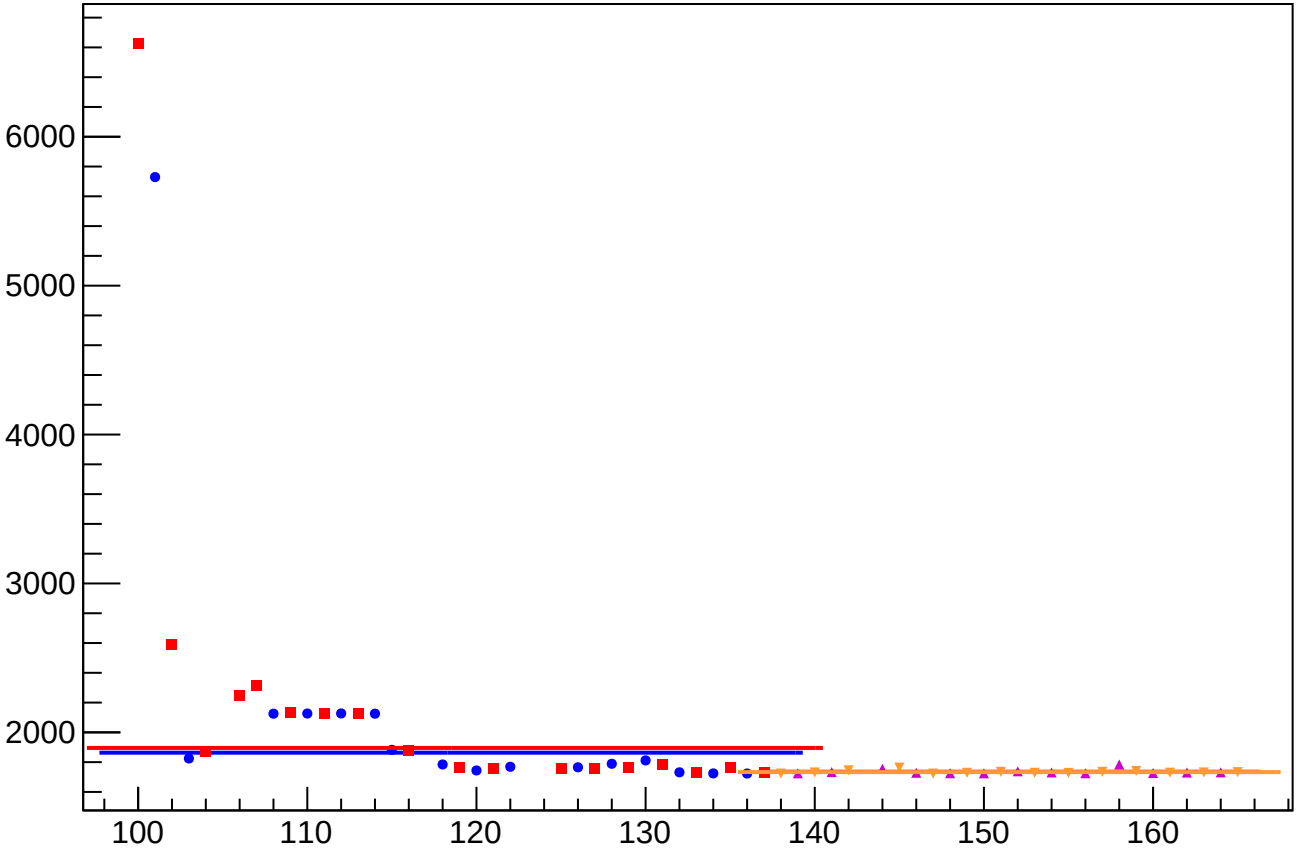
Left In: -59.672+/-524.026 χ^2/NDF:15.1/12

+ sign 75.241+/-420.540 χ^2/NDF: 25.7/29

All: -58.875+/-297.976 χ^2/NDF: 56.9/60

- sign -194.096+/-422.270 χ^2/NDF: 31.1/30

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.247+/-0.369 χ^2/NDF:713.3/13

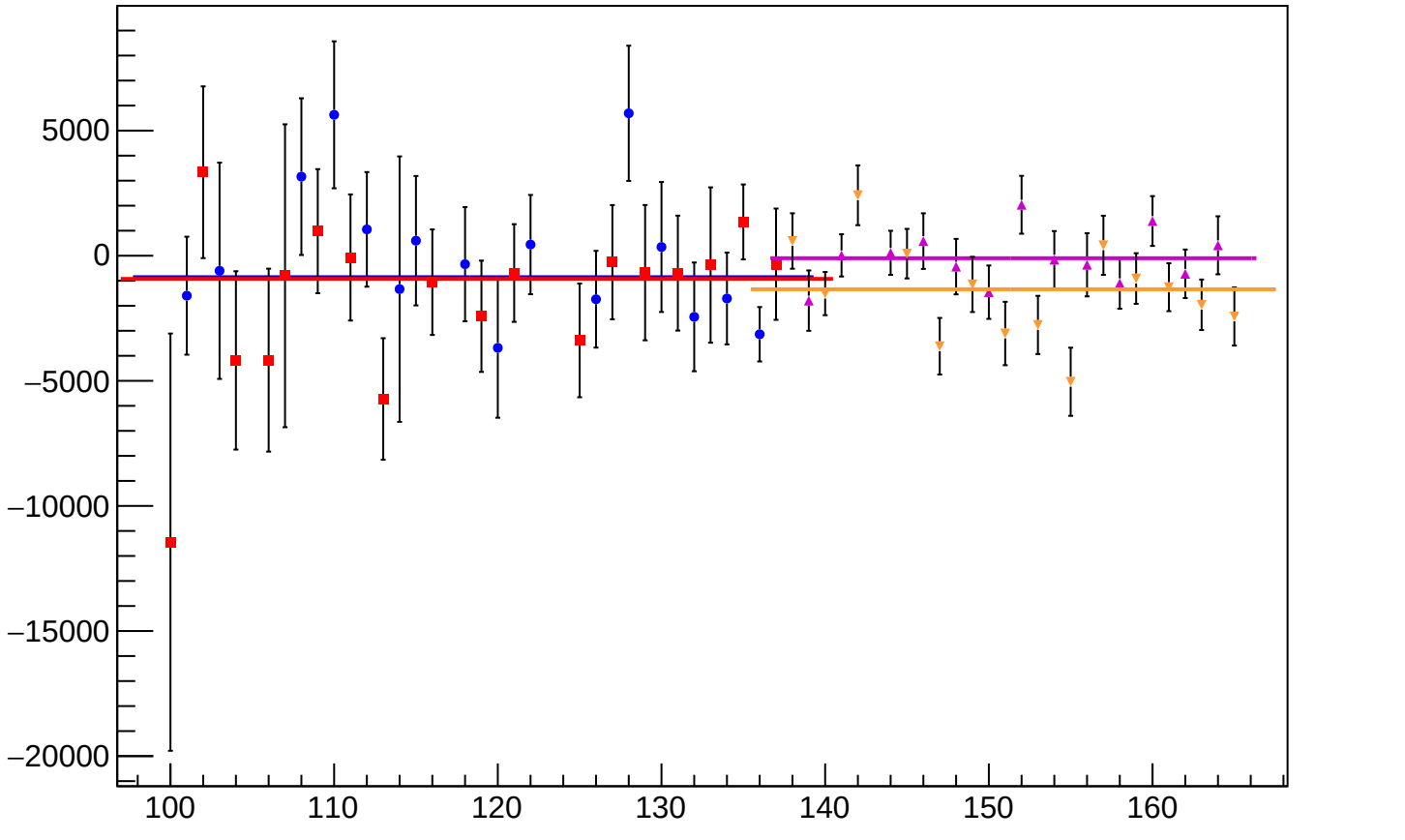
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

+ sign 1779.082+/-0.297 χ^2/NDF: 719177.2/29

All: 1785.373+/-0.211 χ^2/NDF: 1046384.5/60

- sign 1791.717+/-0.299 χ^2/NDF: 326308.3/30



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1340.697+/-290.069 χ^2/NDF:33.6/13

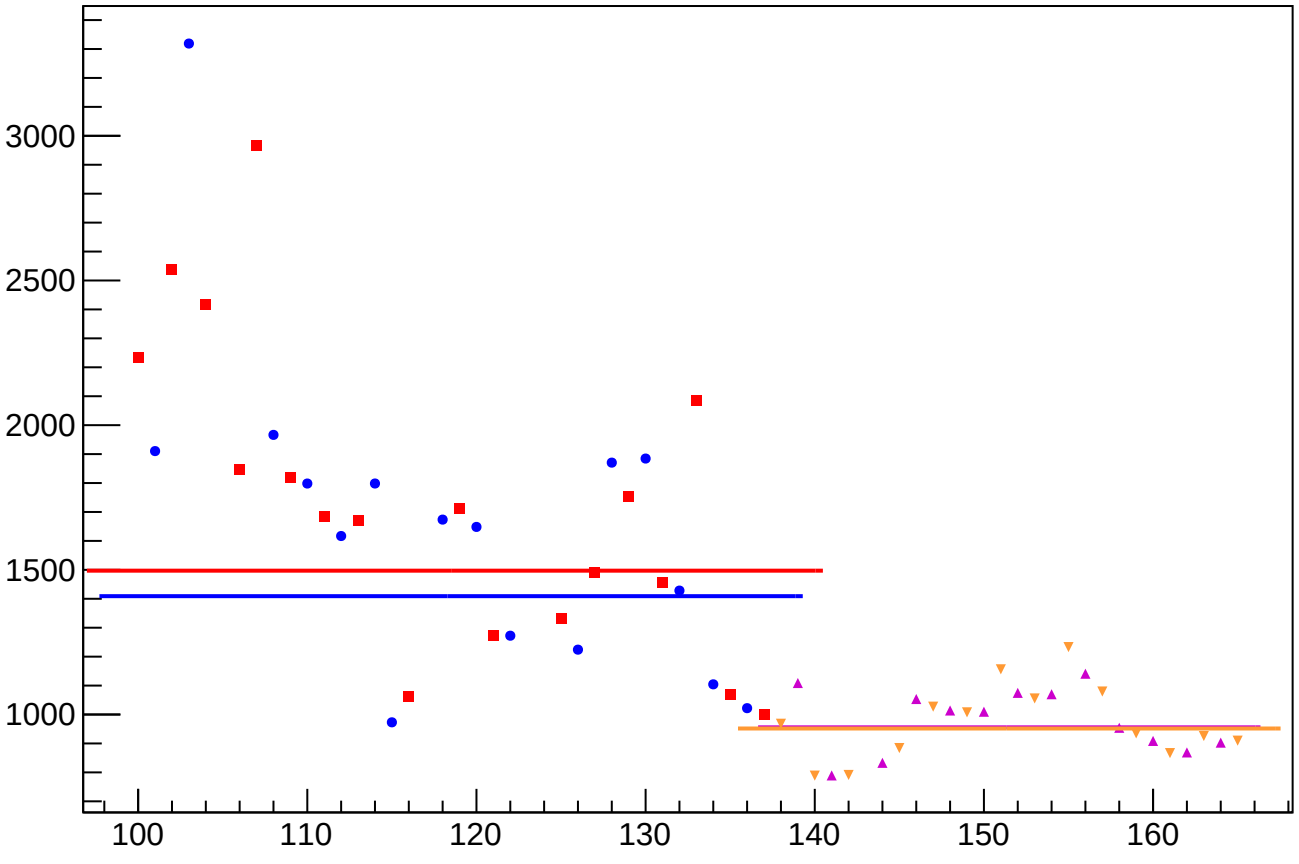
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -99.952+/-291.128 χ^2/NDF:11.4/12

+ sign -1235.603+/-256.547 χ^2/NDF: 54.8/29

All: -757.570+/-182.832 χ^2/NDF: 88.4/60

- sign -264.210+/-260.627 χ^2/NDF: 26.5/30



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 951.673+/-0.205 χ^2/NDF:328015.6/13

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

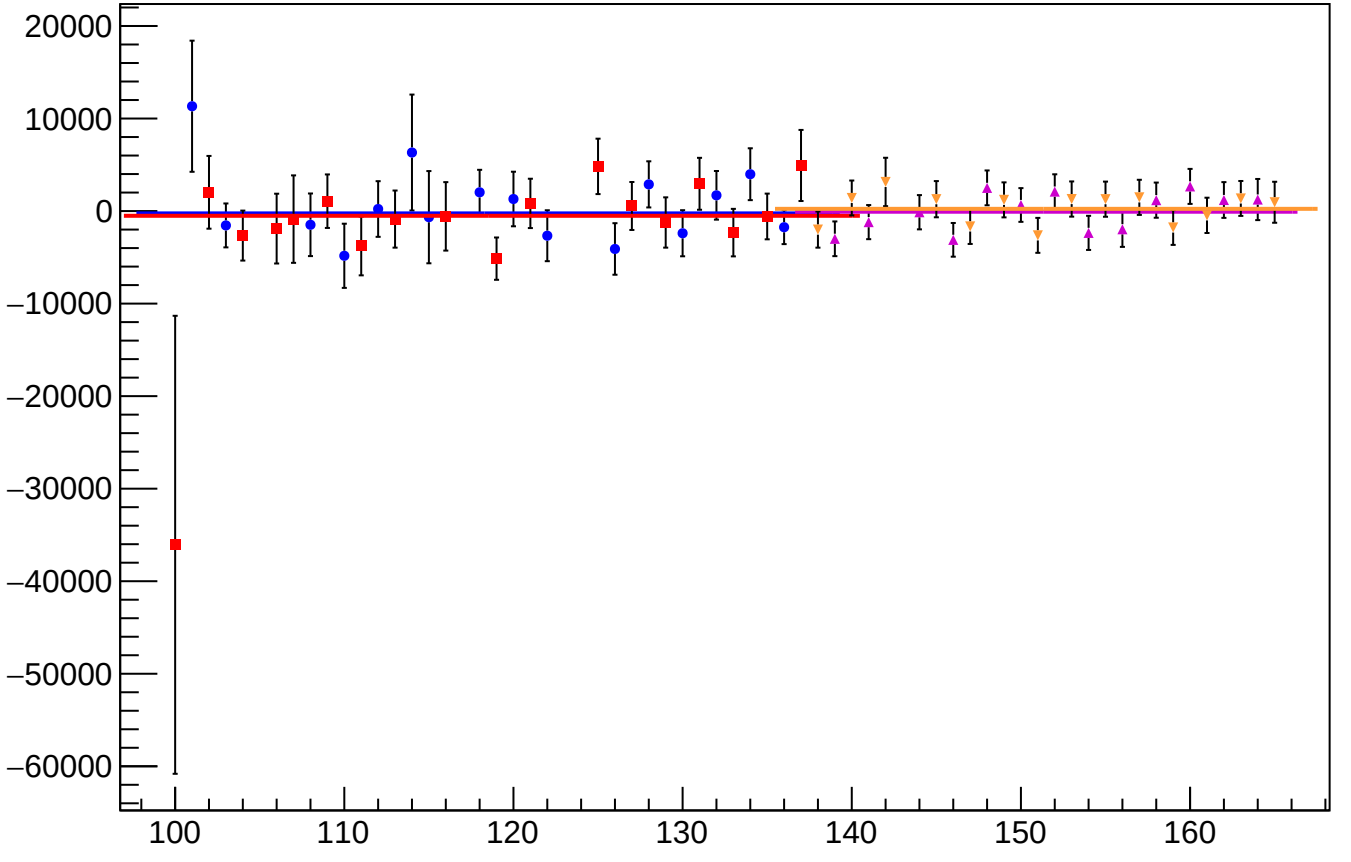
Left In: 955.760+/-0.206 χ^2/NDF:283591.5/12

+ sign 1051.271+/-0.181 χ^2/NDF: 2577816.3/29

All: 1057.171+/-0.129 χ^2/NDF: 5255011.0/60

- sign 1063.259+/-0.184 χ^2/NDF: 2675045.5/30

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 240.625+/-522.493 χ^2/NDF:9.6/13

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

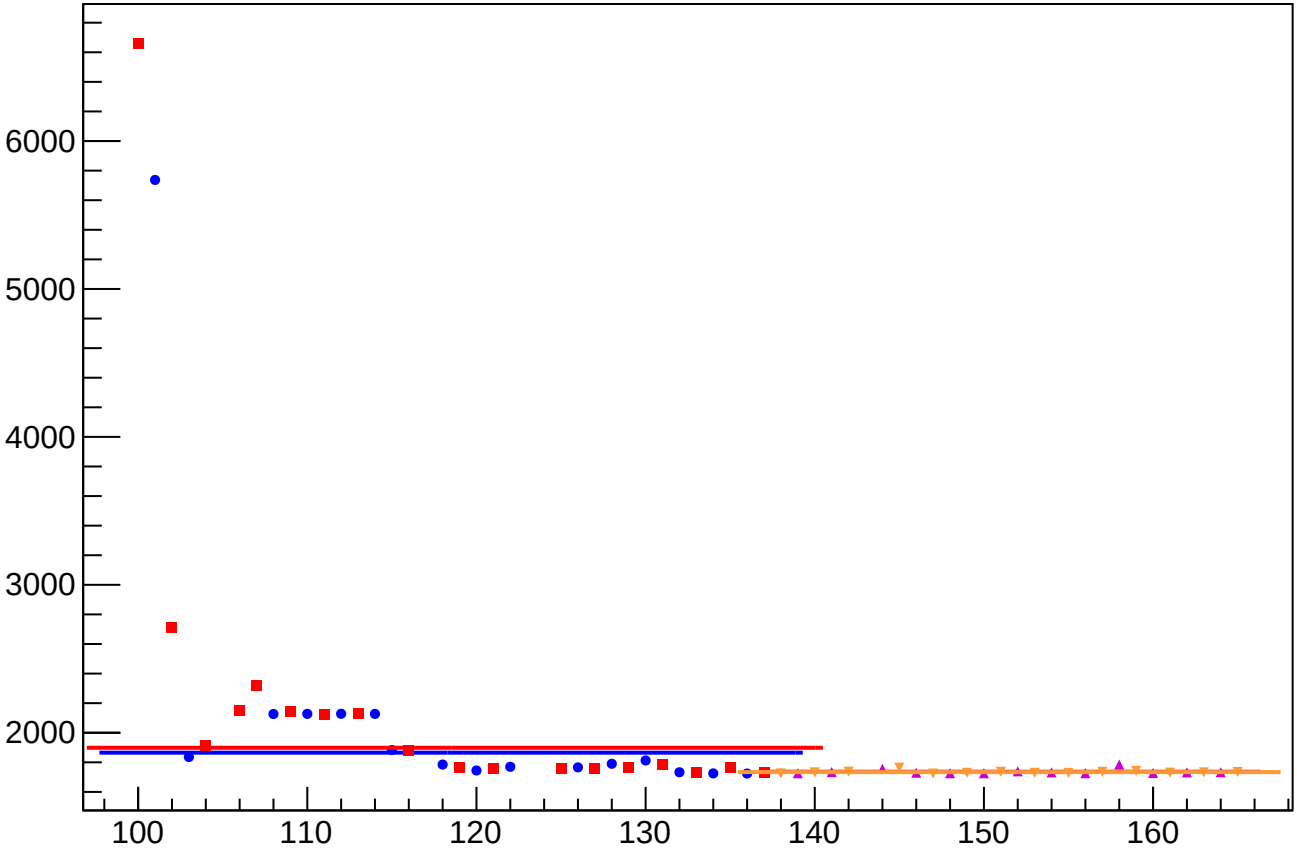
Left In: -70.993+/-524.306 χ^2/NDF:14.8/12

+ sign 67.546+/-420.818 χ^2/NDF: 25.5/29

All: -77.719+/-298.297 χ^2/NDF: 57.2/60

- sign -224.425+/-422.902 χ^2/NDF: 31.5/30

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.886+/-0.369 χ^2/NDF:662.0/13

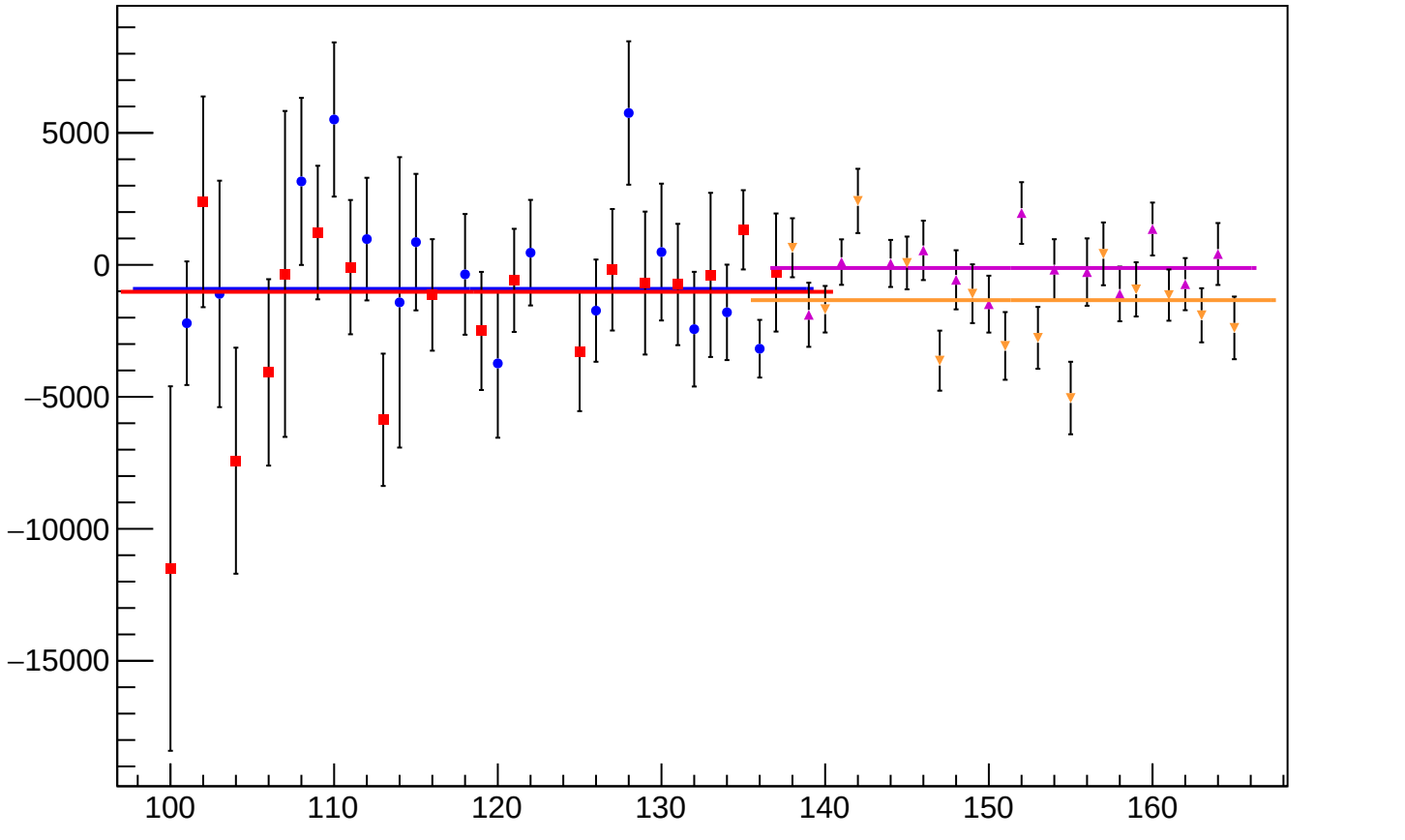
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.602+/-0.371 χ^2/NDF:1897.0/12

+ sign 1780.104+/-0.298 χ^2/NDF: 720195.1/29

All: 1786.623+/-0.211 χ^2/NDF: 1058882.2/60

- sign 1793.206+/-0.299 χ^2/NDF: 337722.4/30



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1337.291+/-293.827 χ^2/NDF:33.0/13

Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

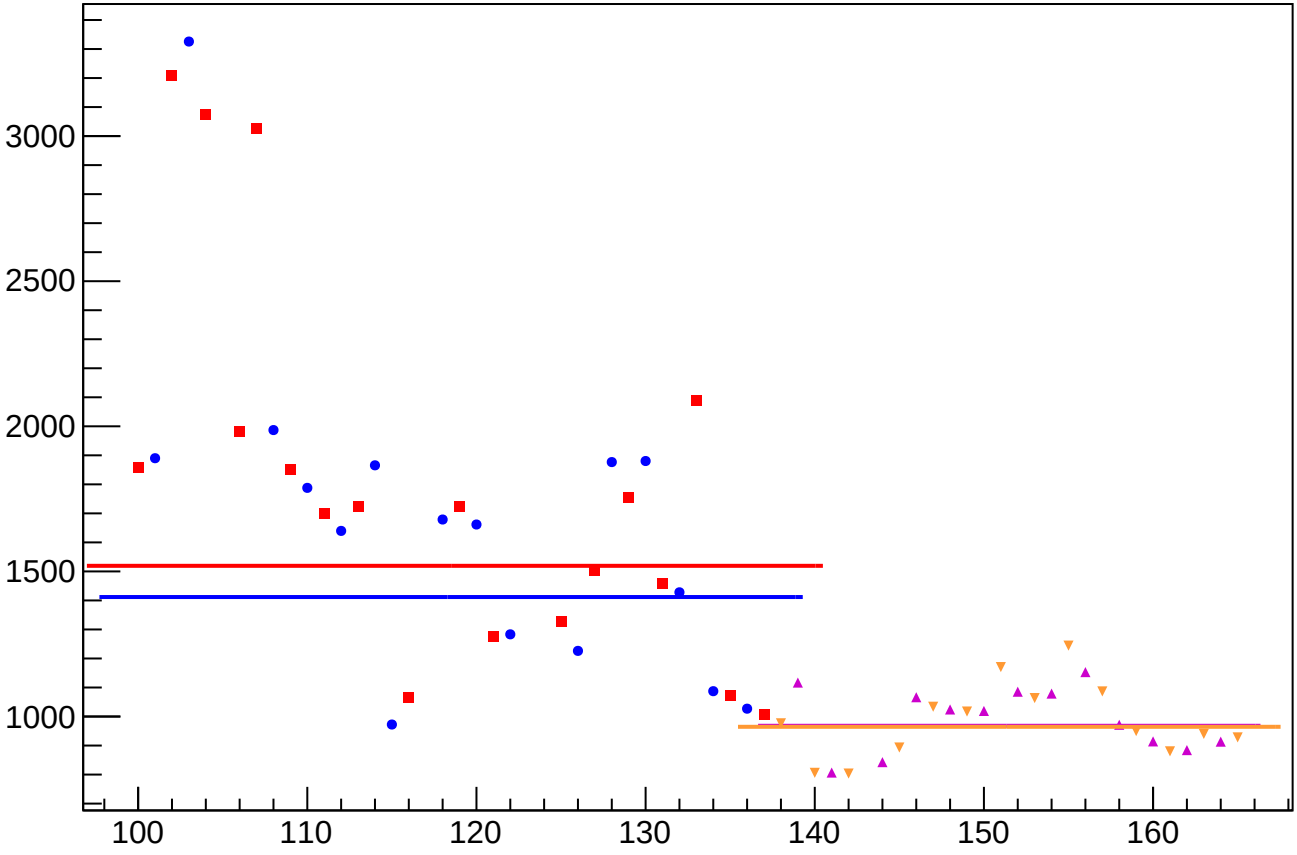
Left In: -118.478+/-294.732 χ^2/NDF:11.2/12

+ sign -1242.853+/-259.250 χ^2/NDF: 54.4/29

All: -778.541+/-184.907 χ^2/NDF: 89.0/60

- sign -297.765+/-263.806 χ^2/NDF: 28.0/30

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: 964.615+/-0.208 χ^2/NDF:310147.9/13

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

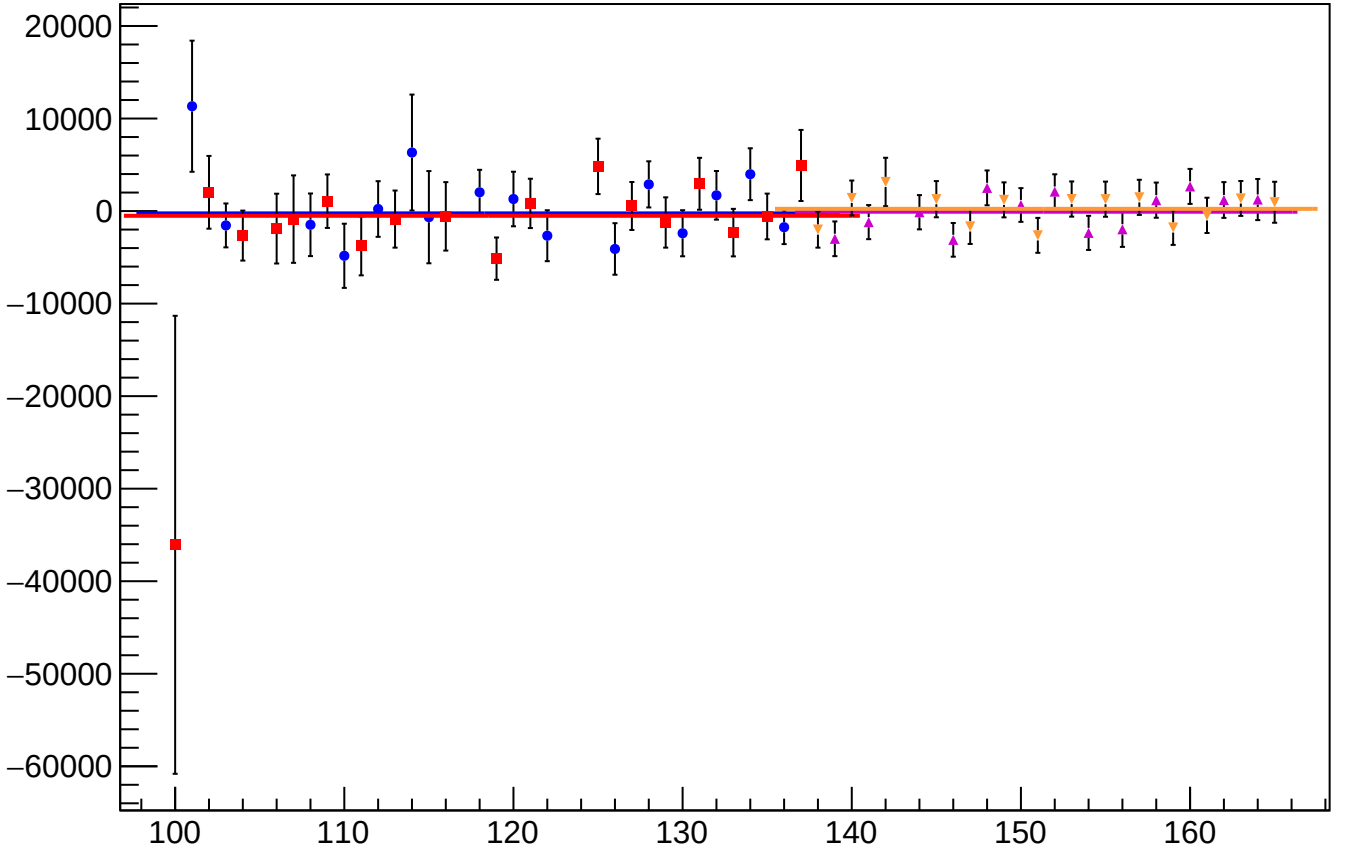
Left In: 968.122+/-0.208 χ^2/NDF:269573.3/12

+ sign 1063.659+/-0.183 χ^2/NDF: 2513810.8/29

All: 1070.568+/-0.131 χ^2/NDF: 5537276.3/60

- sign 1077.722+/-0.187 χ^2/NDF: 3020574.4/30

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: 240.625+/-522.493 χ^2/NDF:9.6/13

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

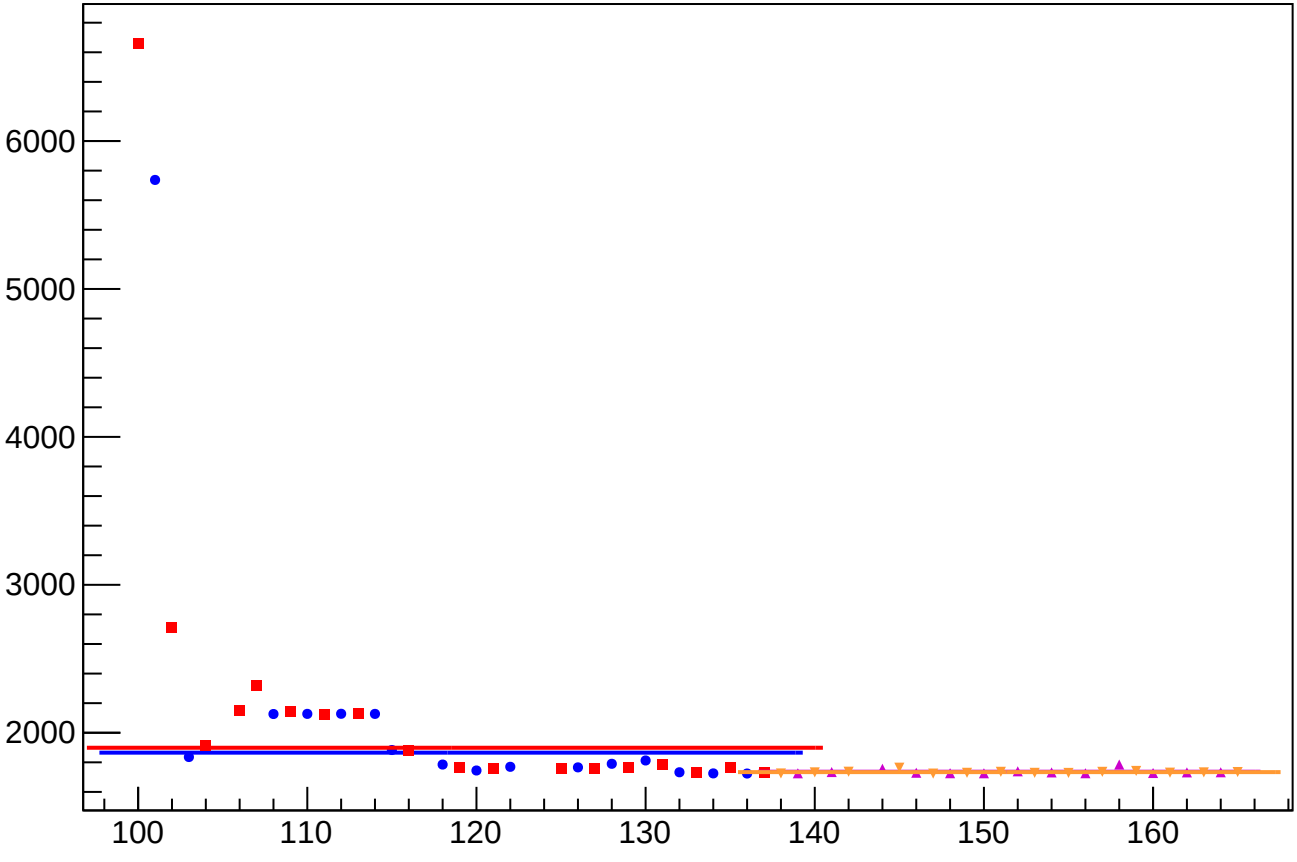
Left In: -70.993+/-524.306 χ^2/NDF:14.8/12

+ sign 67.546+/-420.818 χ^2/NDF: 25.5/29

All: -77.718+/-298.297 χ^2/NDF: 57.2/60

- sign -224.425+/-422.902 χ^2/NDF: 31.5/30

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: 1733.886+/-0.369 χ^2/NDF:662.0/13

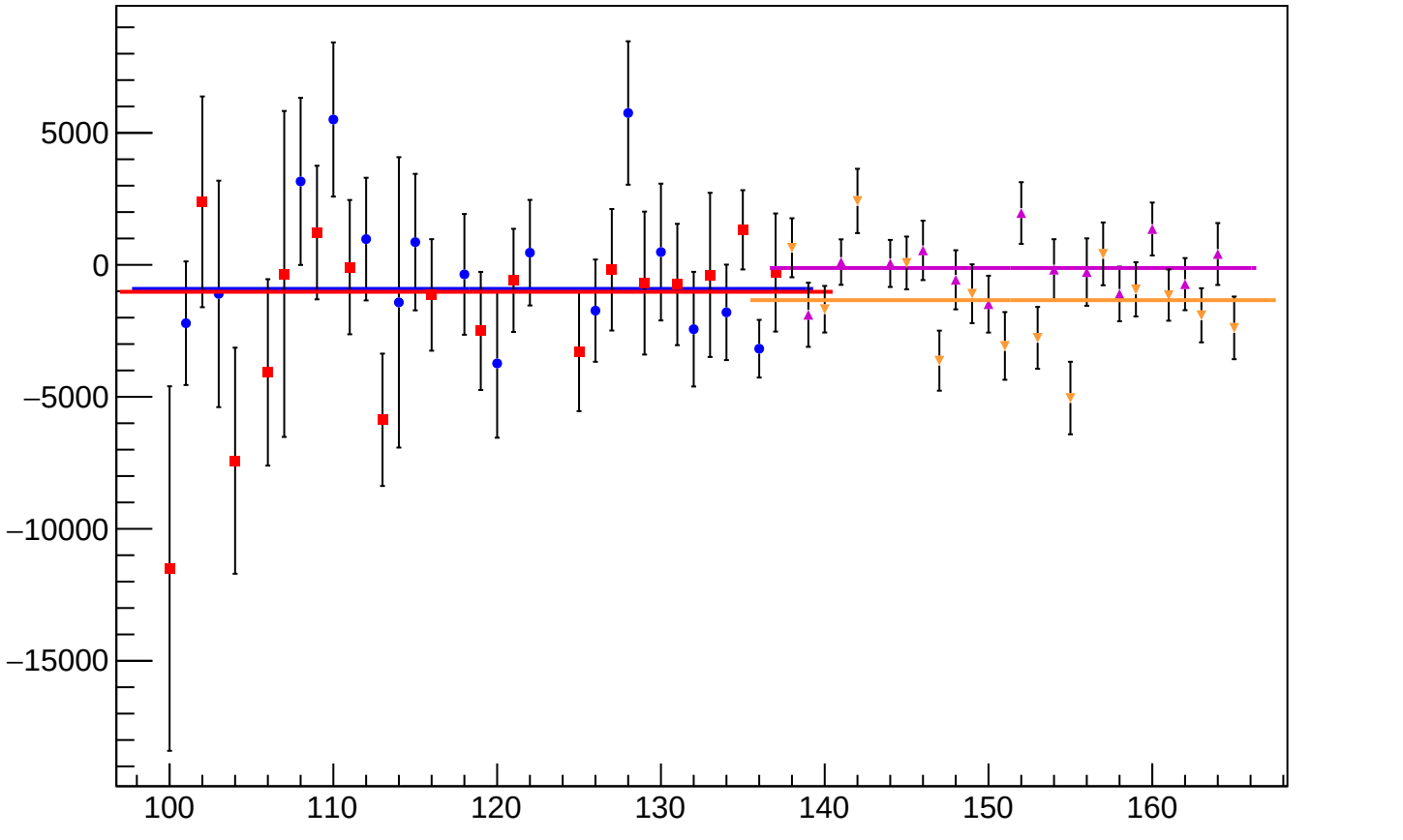
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1736.602+/-0.371 χ^2/NDF:1897.0/12

+ sign 1780.104+/-0.298 χ^2/NDF: 720195.0/29

All: 1786.623+/-0.211 χ^2/NDF: 1058881.8/60

- sign 1793.206+/-0.299 χ^2/NDF: 337722.1/30



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1337.288+/-293.827 χ^2/NDF:33.0/13

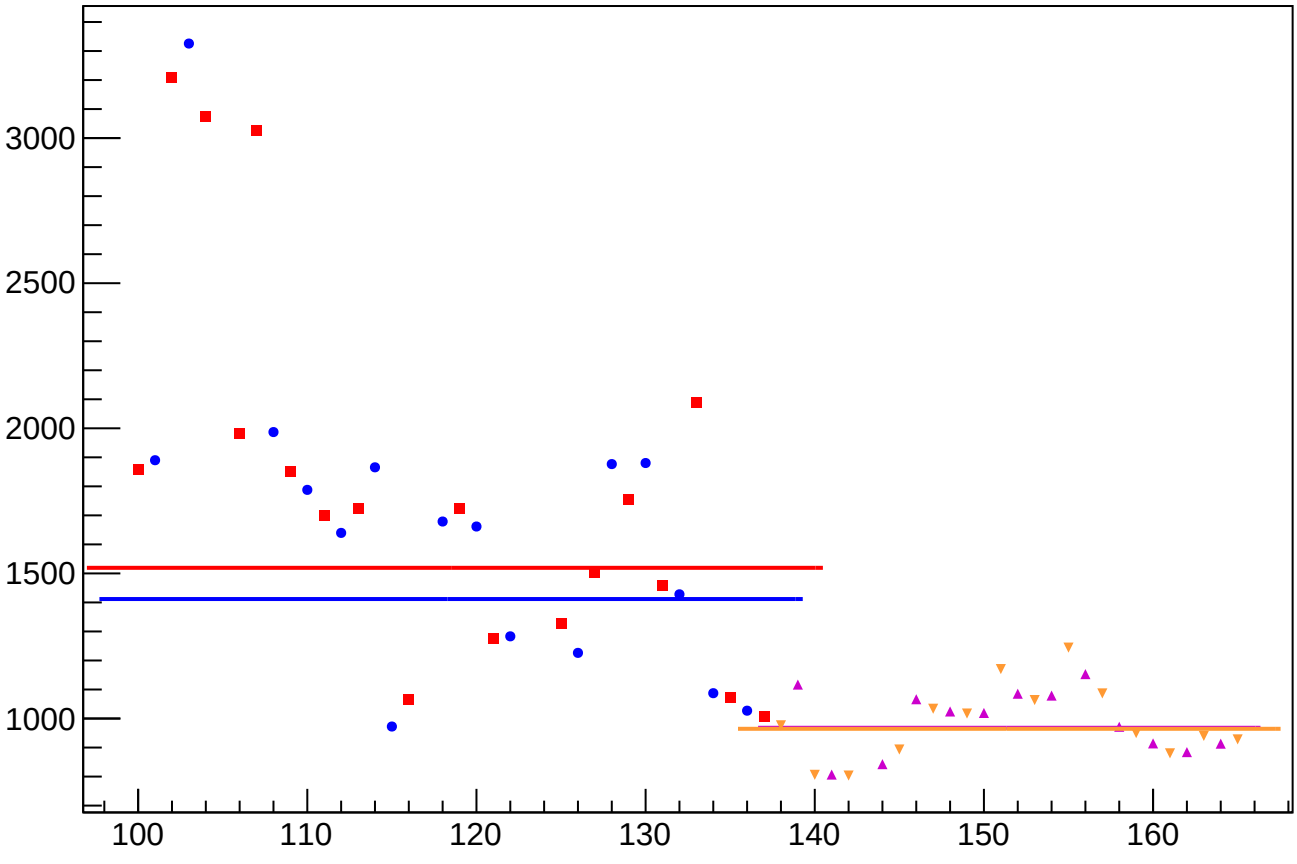
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -118.475+/-294.732 χ^2/NDF:11.2/12

+ sign -1242.850+/-259.250 χ^2/NDF: 54.4/29

All: -778.539+/-184.907 χ^2/NDF: 89.0/60

- sign -297.764+/-263.806 χ^2/NDF: 28.0/30



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 964.614+/-0.208 χ^2/NDF:310157.1/13

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

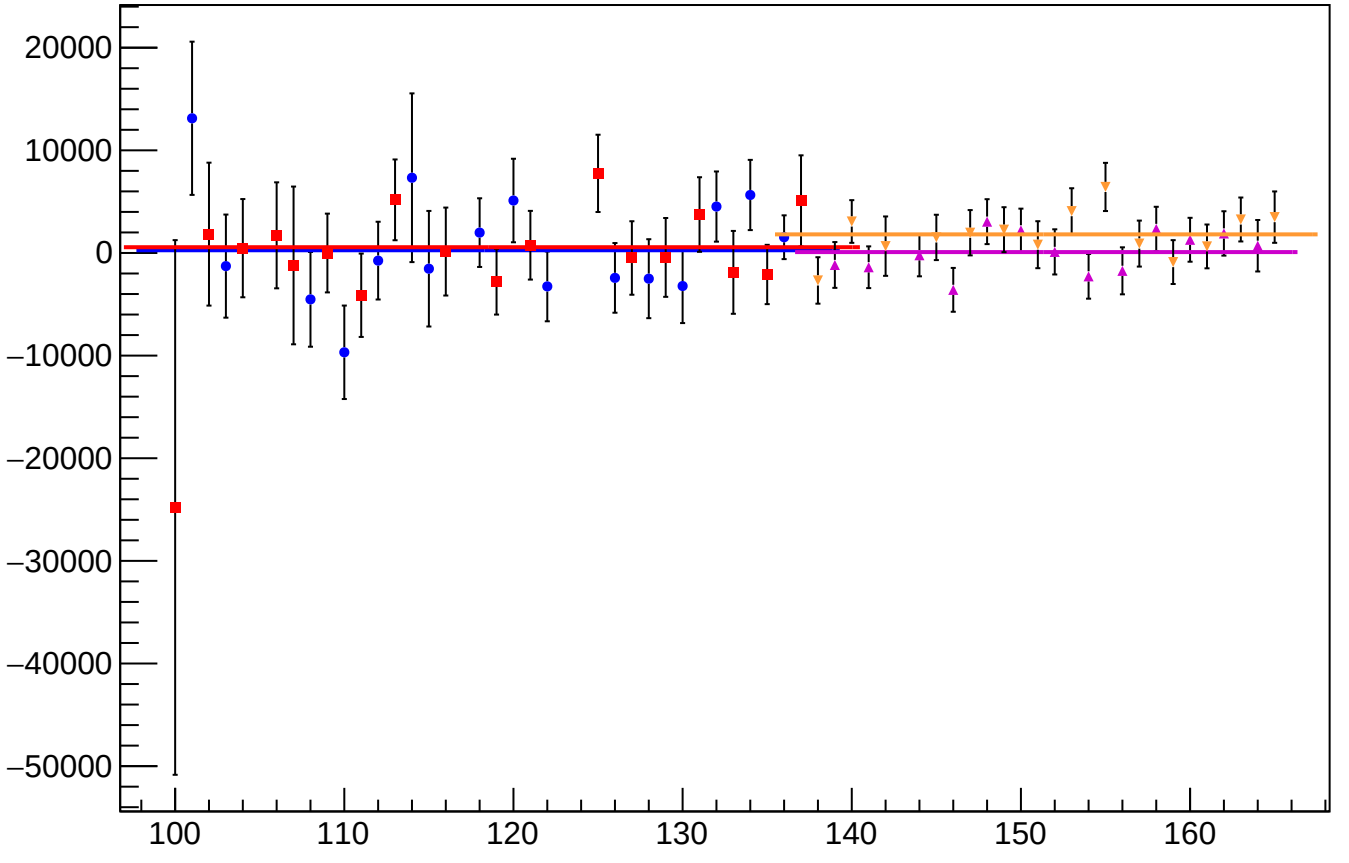
Left In: 968.122+/-0.208 χ^2/NDF:269581.3/12

+ sign 1063.658+/-0.183 χ^2/NDF: 2513811.5/29

All: 1070.567+/-0.131 χ^2/NDF: 5537279.9/60

- sign 1077.722+/-0.187 χ^2/NDF: 3020577.1/30

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1812.472+/-602.650 χ^2/NDF:12.6/13

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

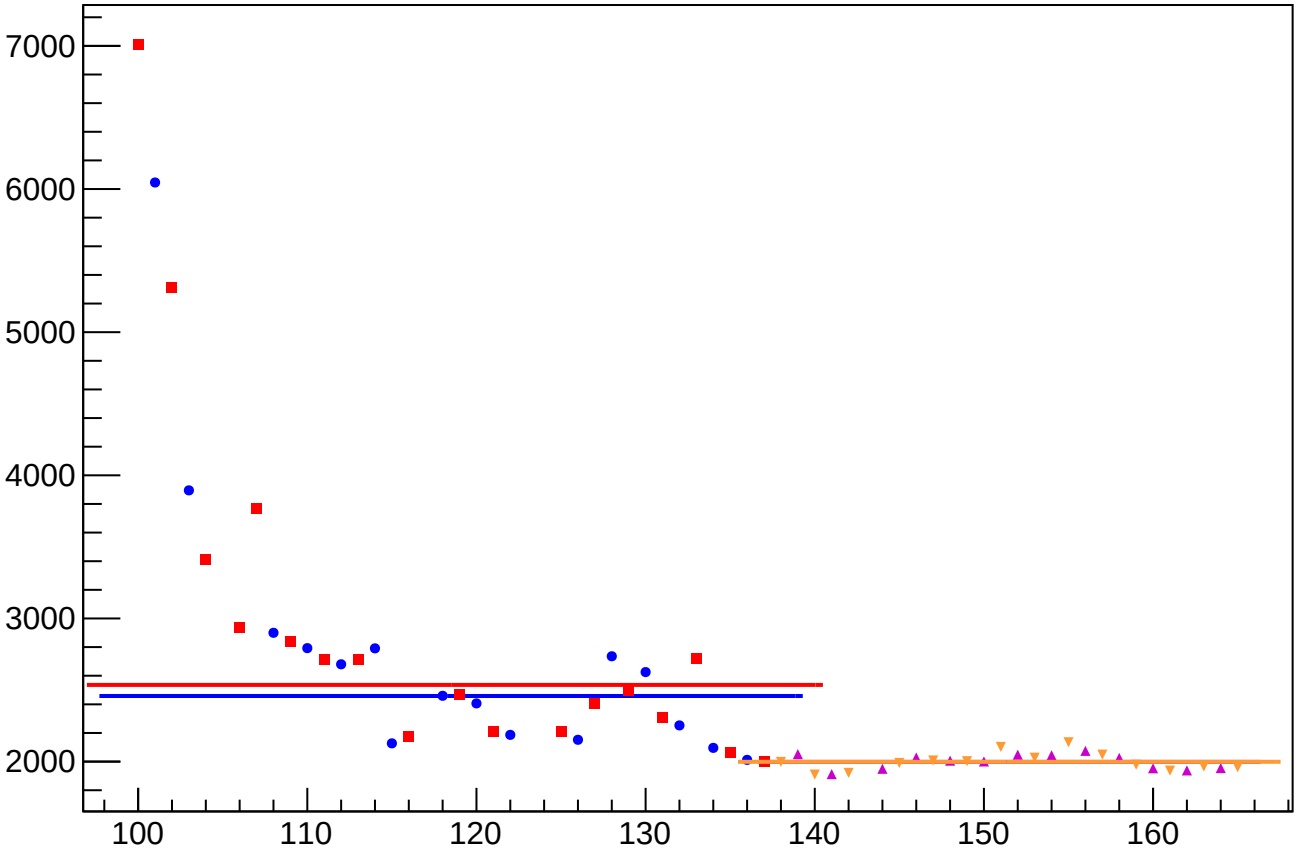
Left In: 86.116+/-603.452 χ^2/NDF:10.7/12

+ sign 1362.859+/-507.648 χ^2/NDF: 33.5/29

All: 795.578+/-360.260 χ^2/NDF: 58.6/60

- sign 220.013+/-511.341 χ^2/NDF: 22.6/30

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1998.615+/-0.426 χ^2/NDF:20161.4/13

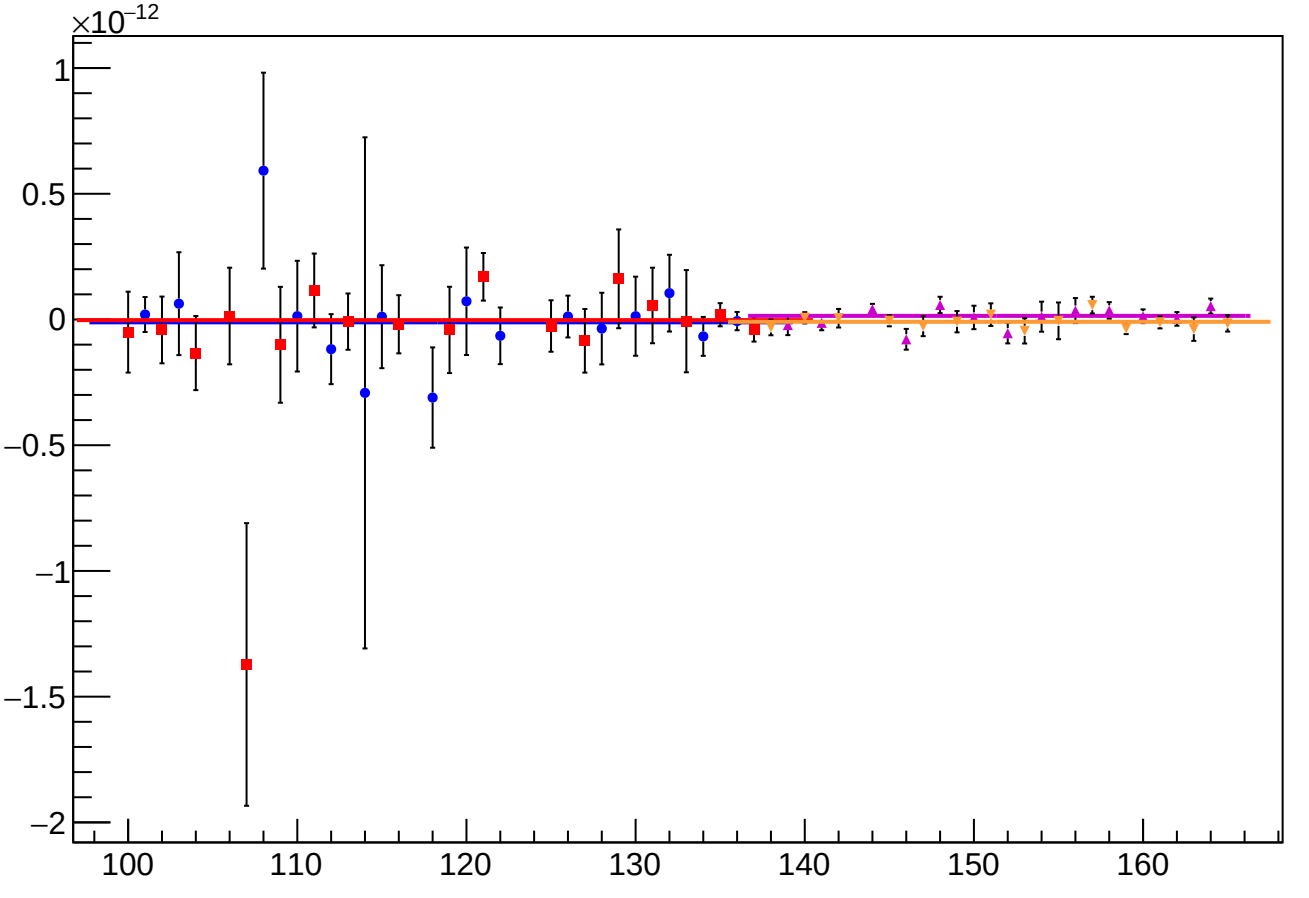
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1997.921+/-0.427 χ^2/NDF:13777.4/12

+ sign 2132.131+/-0.359 χ^2/NDF: 1191053.9/29

All: 2140.797+/-0.255 χ^2/NDF: 2327372.5/60

- sign 2149.589+/-0.362 χ^2/NDF: 1135144.6/30



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/13

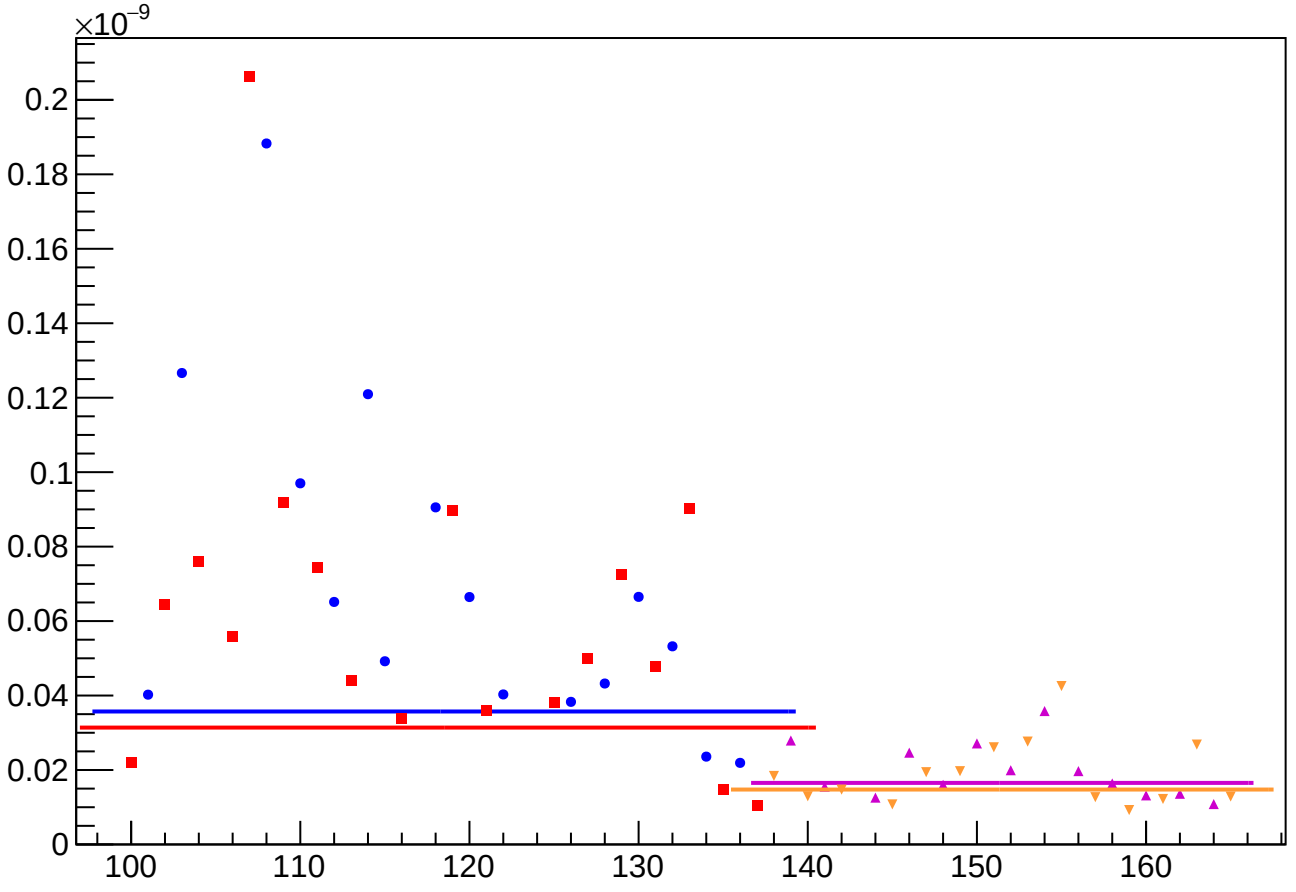
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:15.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 15.5/29

All: 0.000+/-0.000 χ^2/NDF: 48.2/60

- sign 0.000+/-0.000 χ^2/NDF: 29.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1000993.1/13

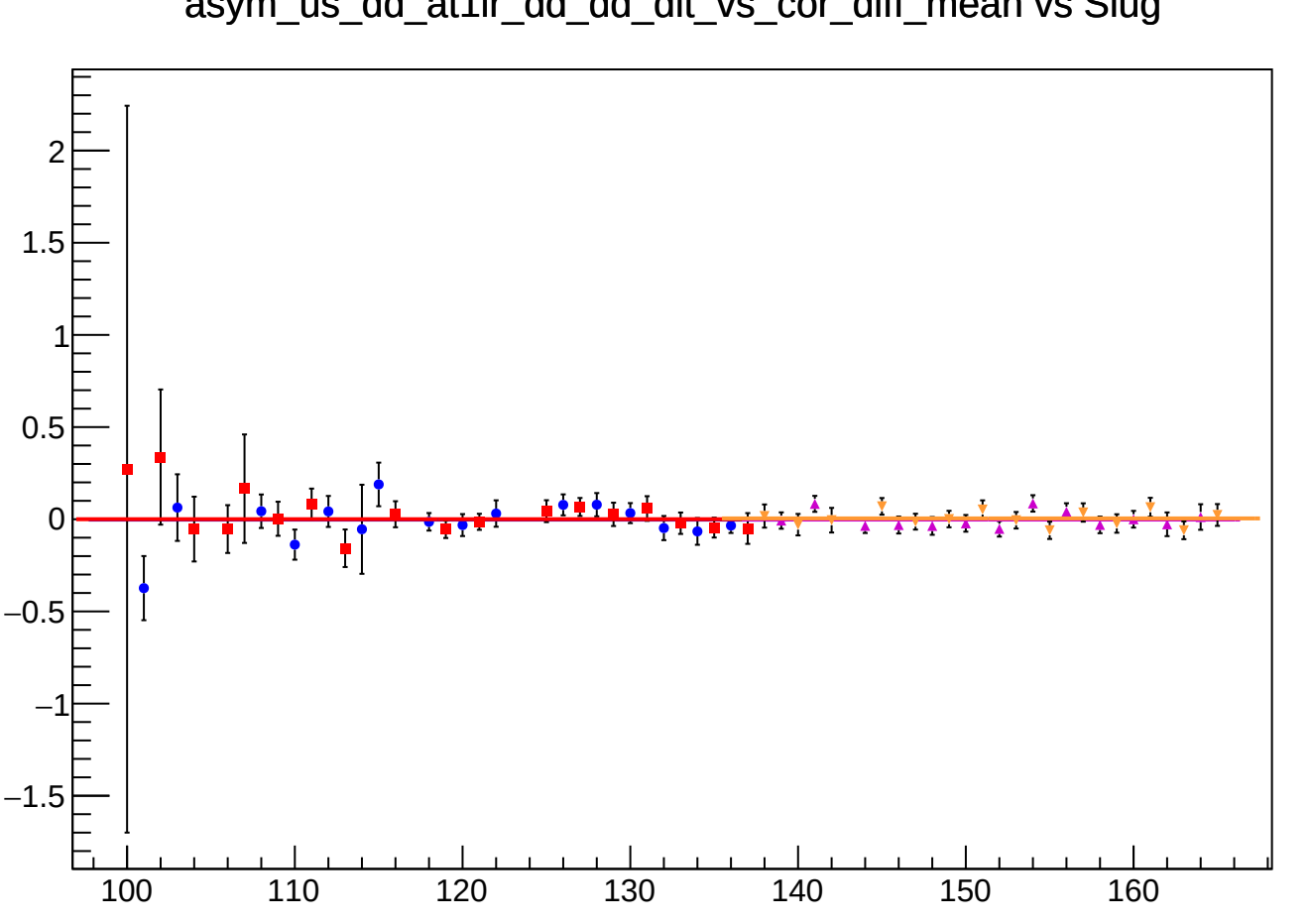
Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:773125.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3927486.9/29

All: 0.000+/-0.000 χ^2/NDF: 7449765.6/60

- sign 0.000+/-0.000 χ^2/NDF: 3493527.4/30



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.005+/-0.013 χ^2/NDF:9.5/13

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

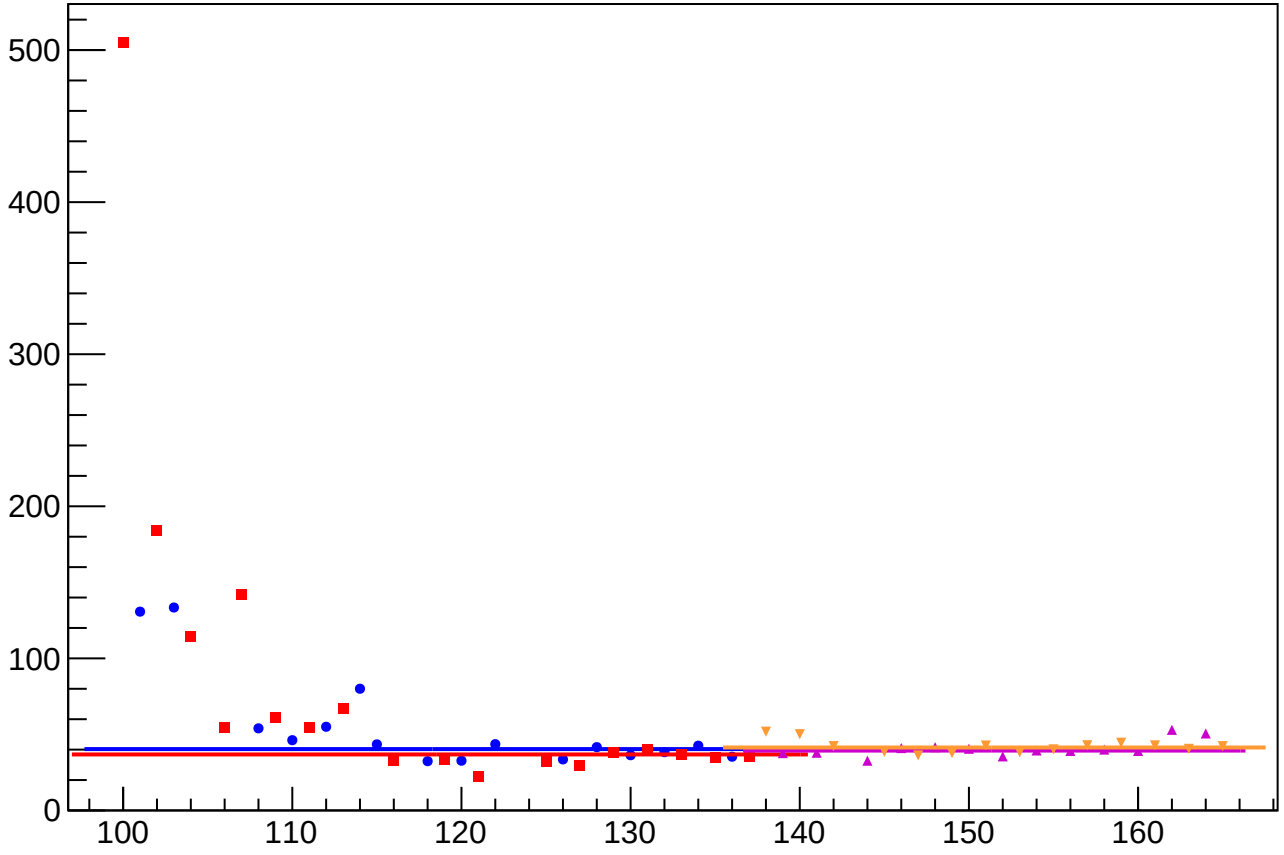
Left In: -0.002+/-0.013 χ^2/NDF:12.5/12

+ sign 0.002+/-0.011 χ^2/NDF: 26.8/29

All: 0.001+/-0.007 χ^2/NDF: 50.2/60

- sign -0.001+/-0.010 χ^2/NDF: 23.4/30

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.396+/-0.009 χ^2/NDF:175726.4/13

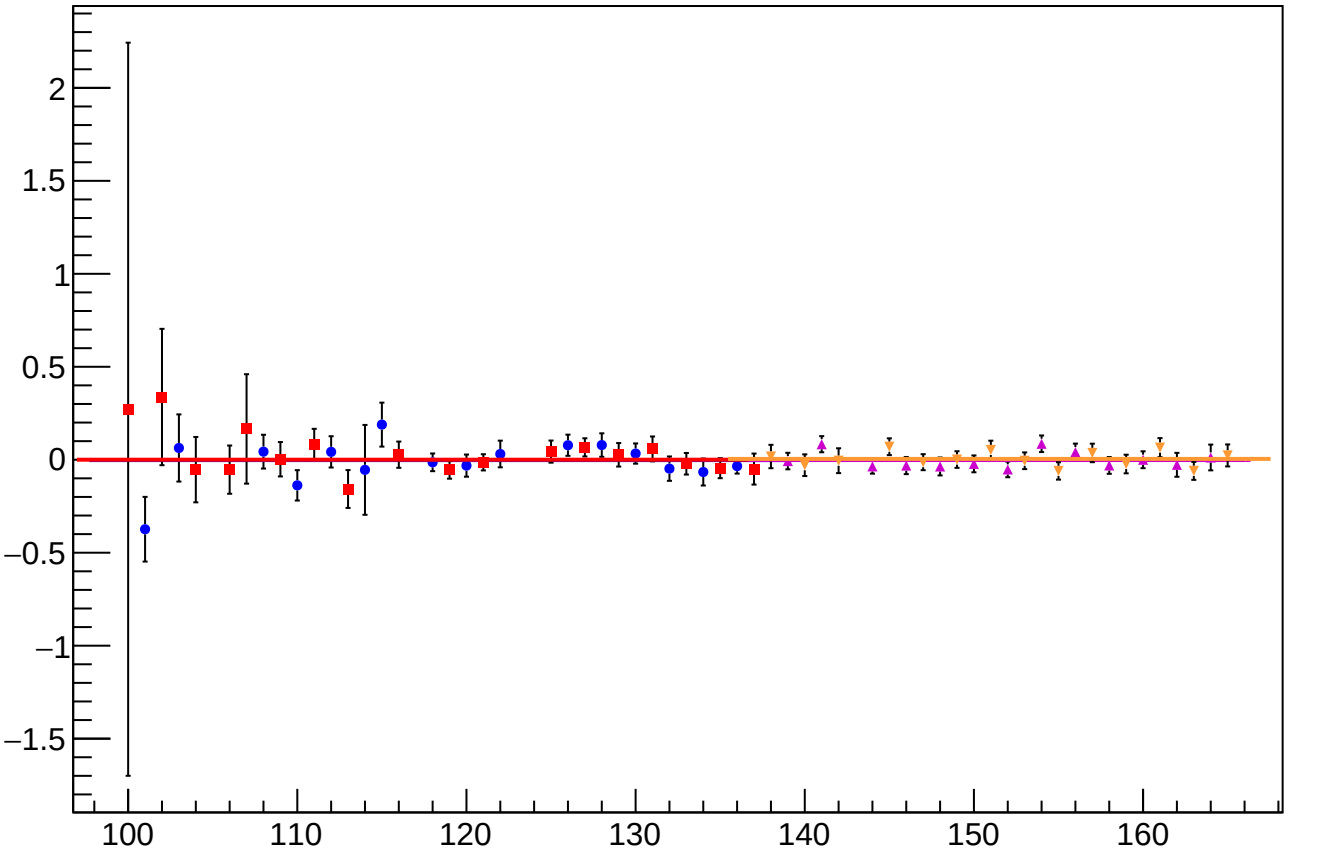
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.372+/-0.009 χ^2/NDF:231231.6/12

+ sign 40.998+/-0.007 χ^2/NDF: 1590488.0/29

All: 39.663+/-0.005 χ^2/NDF: 3749873.2/60

- sign 38.422+/-0.007 χ^2/NDF: 2097641.4/30



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.005+/-0.013 χ^2/NDF:9.5/13

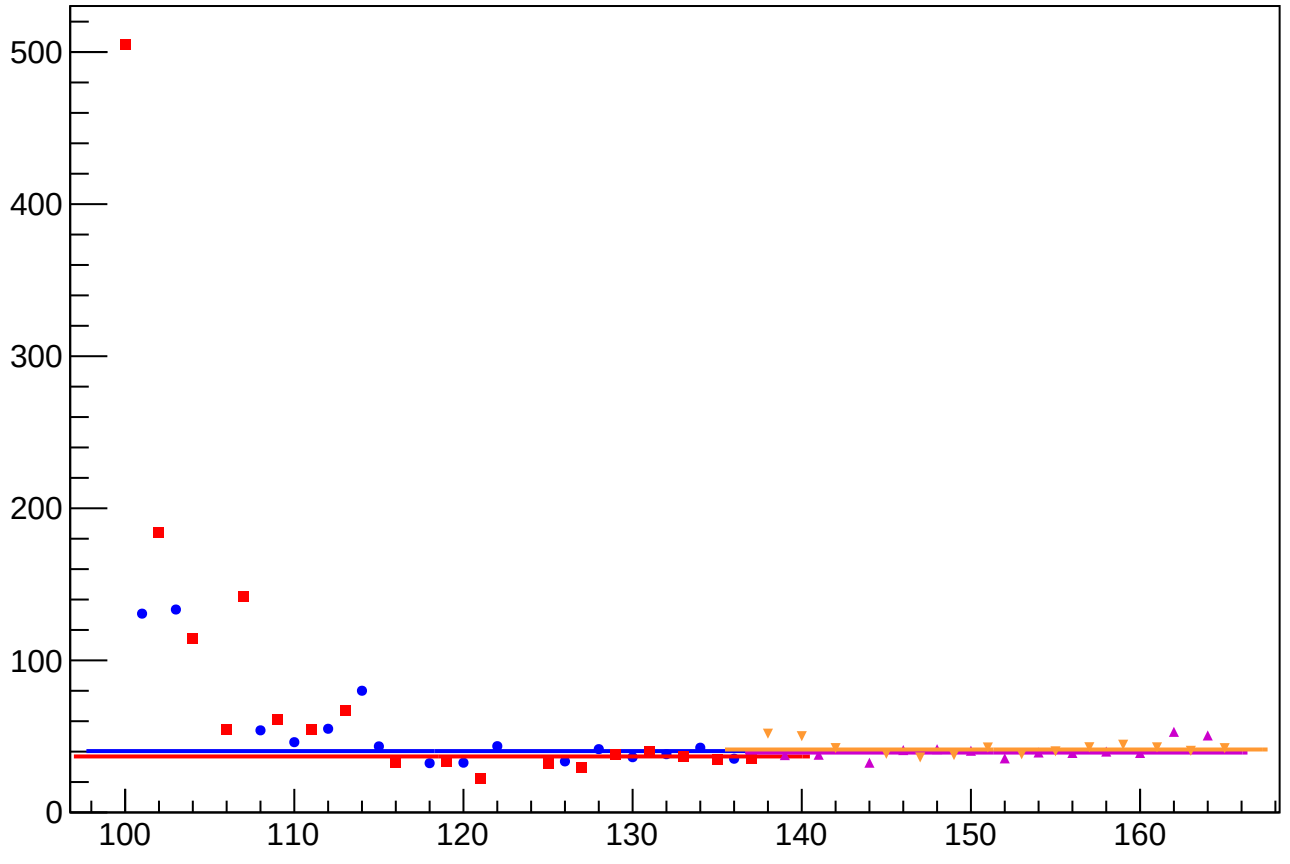
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.013 χ^2/NDF:12.5/12

+ sign 0.002+/-0.011 χ^2/NDF: 26.8/29

All: 0.001+/-0.007 χ^2/NDF: 50.2/60

- sign -0.001+/-0.010 χ^2/NDF: 23.4/30



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.396+/-0.009 χ^2/NDF:175726.4/13

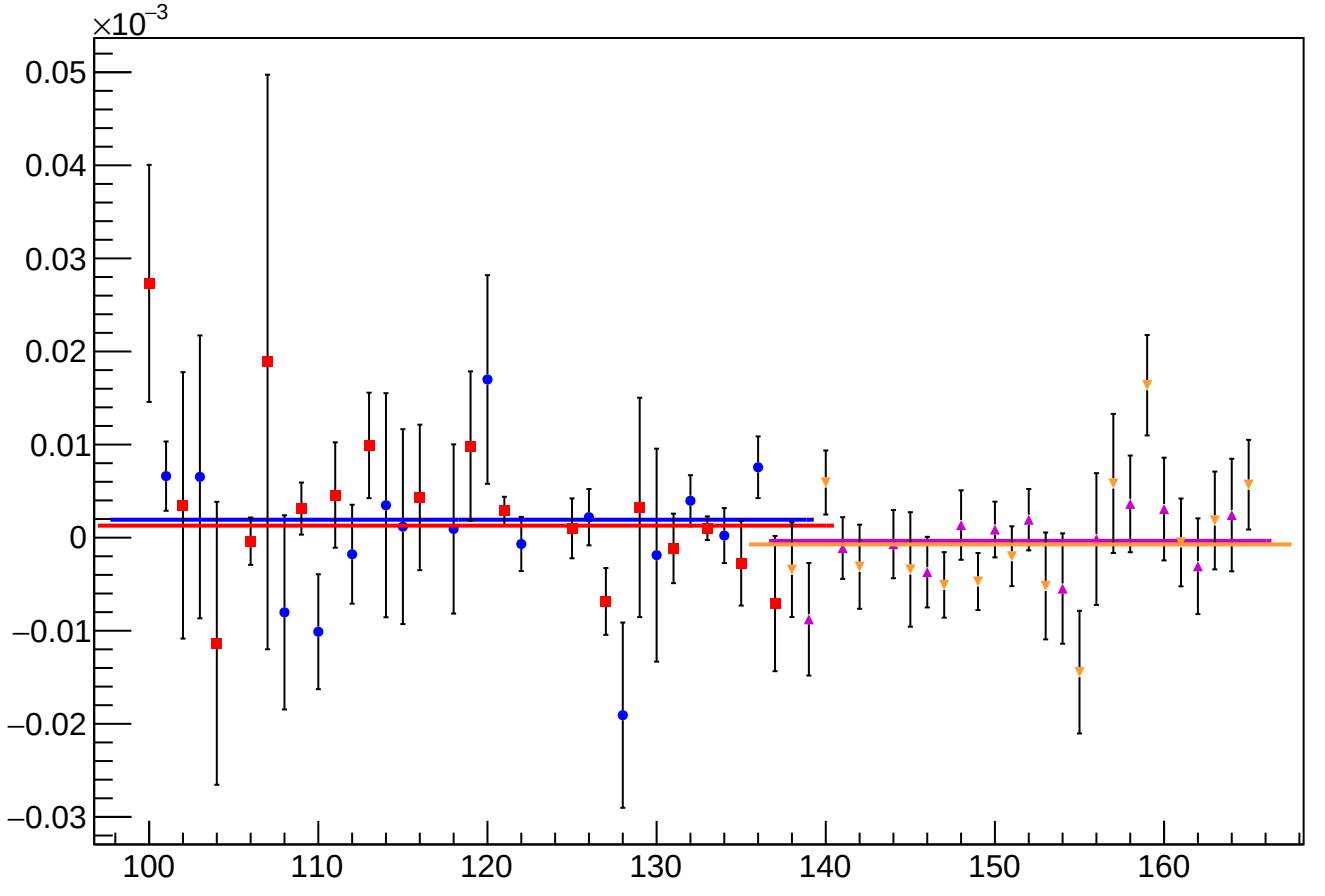
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.372+/-0.009 χ^2/NDF:231231.6/12

+ sign 40.998+/-0.007 χ^2/NDF: 1590488.0/29

All: 39.663+/-0.005 χ^2/NDF: 3749873.2/60

- sign 38.422+/-0.007 χ^2/NDF: 2097641.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/13

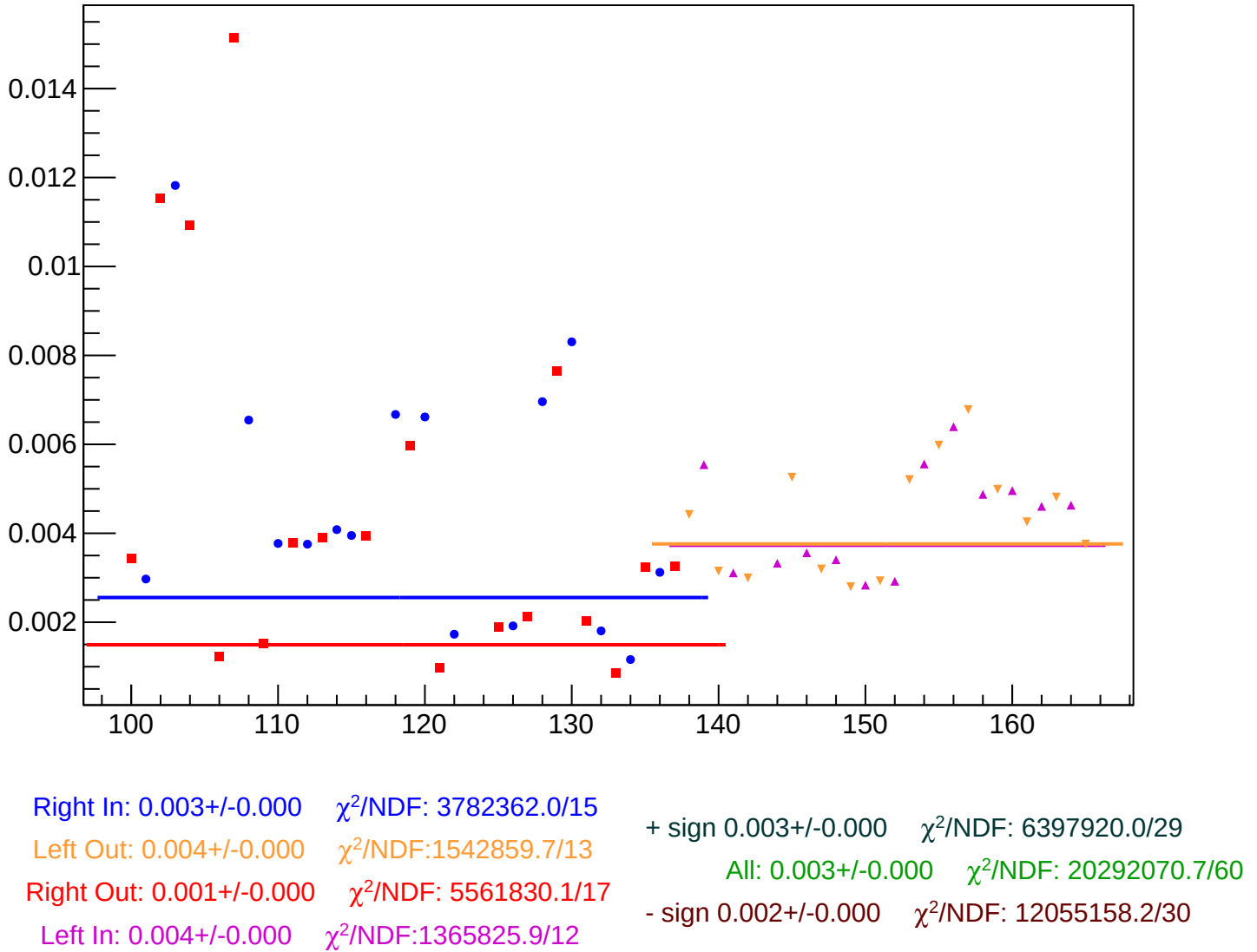
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

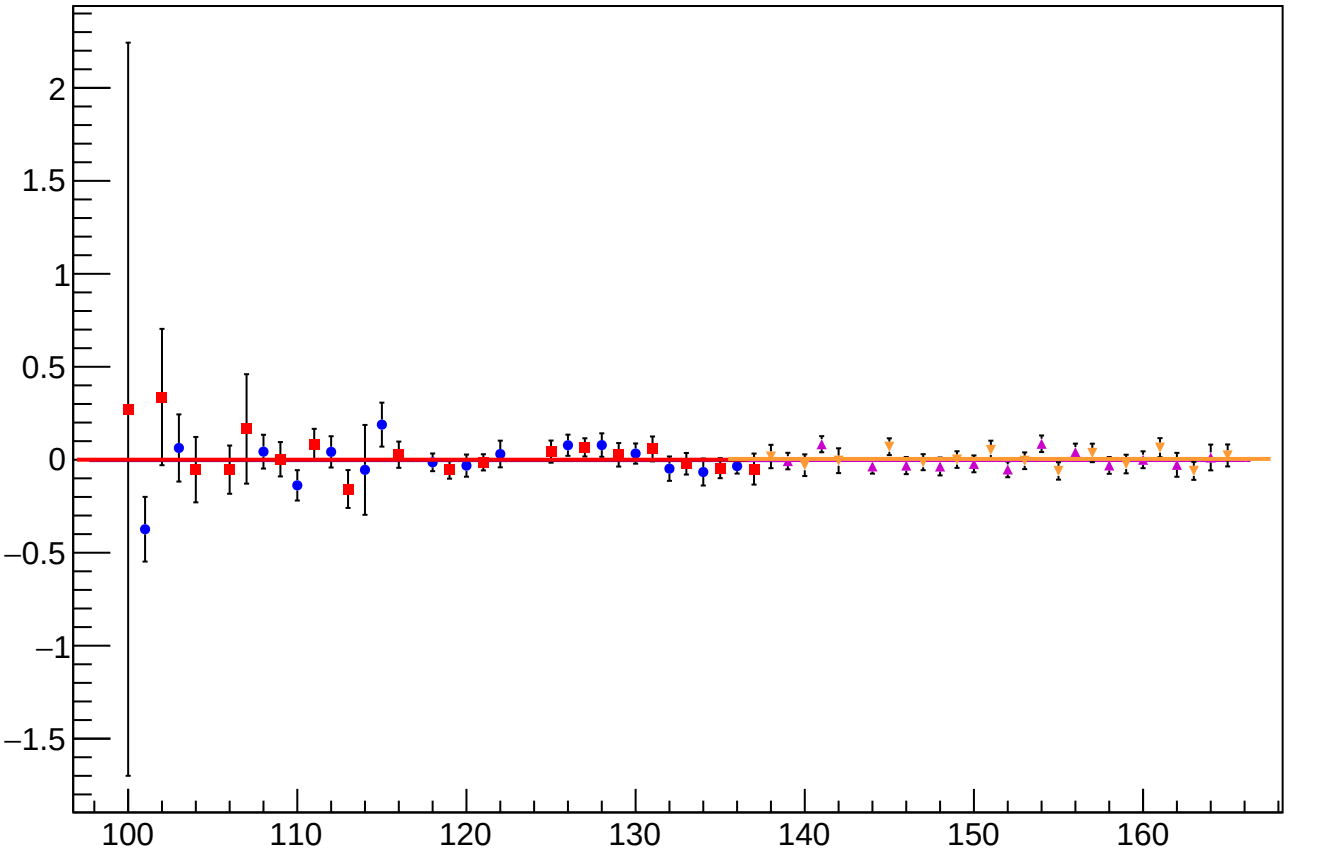
Left In: -0.000+/-0.000 χ^2/NDF:5.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 46.1/29

All: 0.000+/-0.000 χ^2/NDF: 72.2/60

- sign 0.000+/-0.000 χ^2/NDF: 26.1/30


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:1542859.7/13
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1365825.9/12
+ sign 0.003+/-0.000 χ²/NDF: 6397920.0/29
All: 0.003+/-0.000 χ²/NDF: 20292070.7/60
- sign 0.002+/-0.000 χ²/NDF: 12055158.2/30



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.005+/-0.013 χ^2/NDF:9.5/13

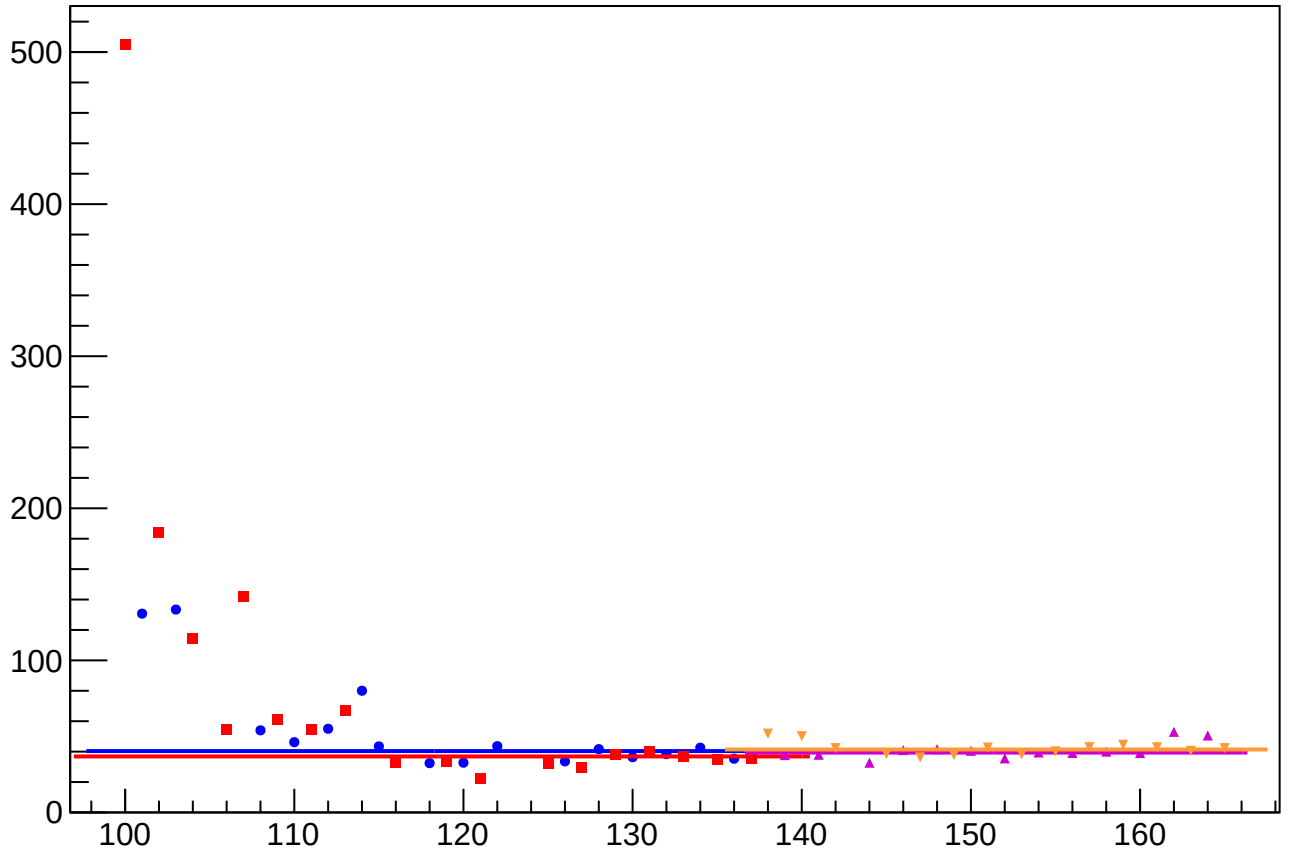
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.013 χ^2/NDF:12.5/12

+ sign 0.002+/-0.011 χ^2/NDF: 26.8/29

All: 0.001+/-0.007 χ^2/NDF: 50.2/60

- sign -0.001+/-0.010 χ^2/NDF: 23.4/30



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.396+/-0.009 χ^2/NDF:175728.5/13

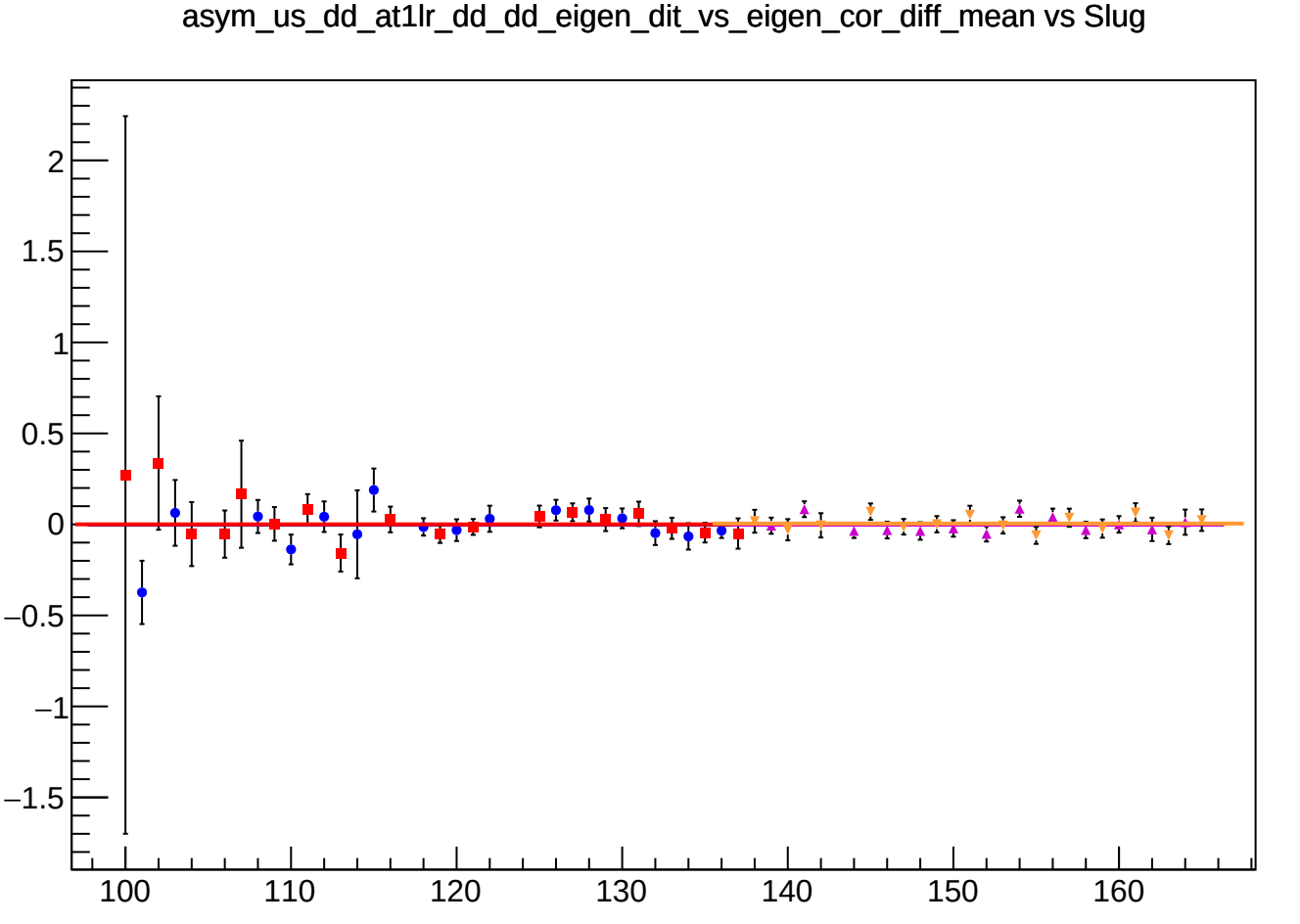
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.371+/-0.009 χ^2/NDF:231200.6/12

\+ sign 40.998+/-0.007 χ^2/NDF: 1590384.7/29

All: 39.663+/-0.005 χ^2/NDF: 3749780.2/60

\- sign 38.421+/-0.007 χ^2/NDF: 2097623.8/30



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.005+/-0.013 χ^2/NDF:9.5/13

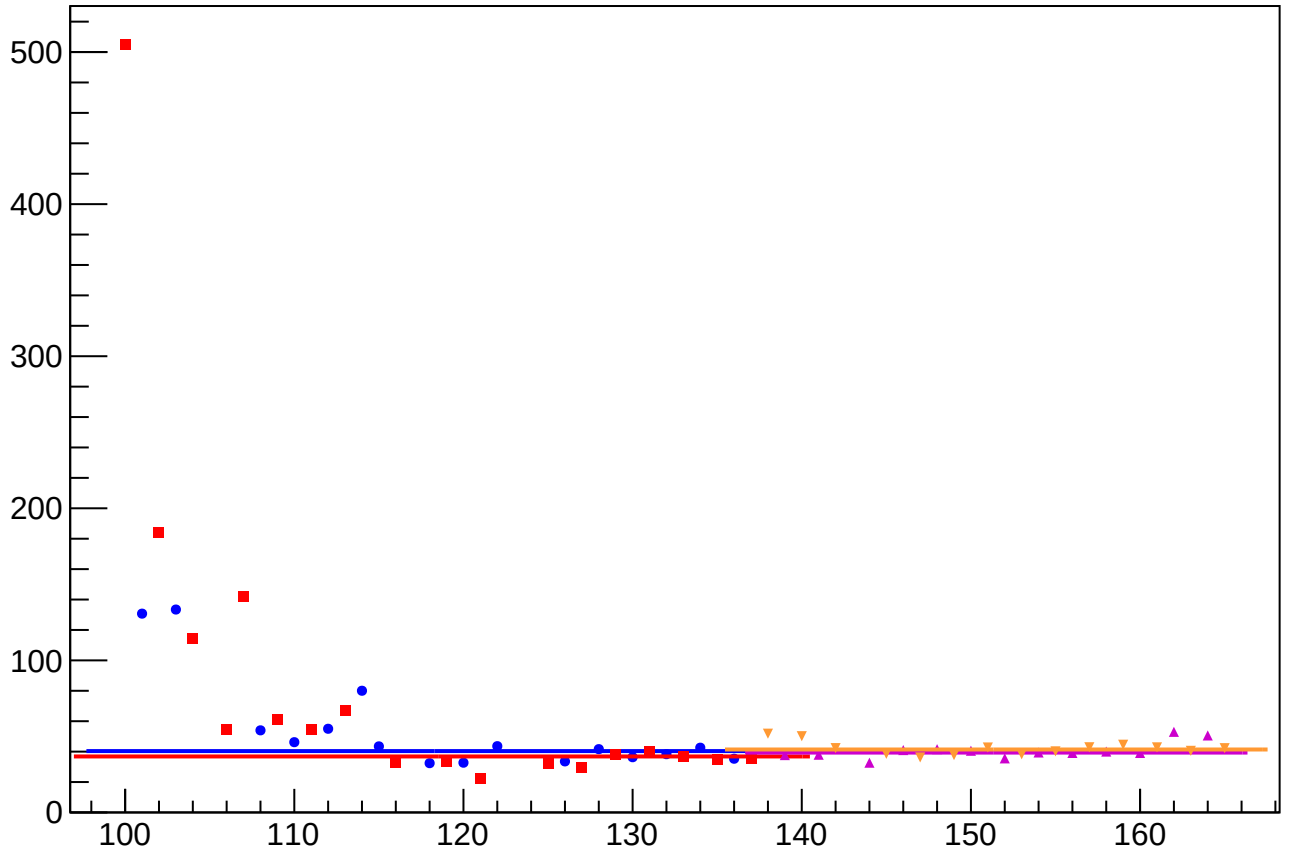
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.013 χ^2/NDF:12.5/12

+ sign 0.002+/-0.011 χ^2/NDF: 26.8/29

All: 0.001+/-0.007 χ^2/NDF: 50.2/60

- sign -0.001+/-0.010 χ^2/NDF: 23.4/30



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.396+/-0.009 χ^2/NDF:175728.5/13

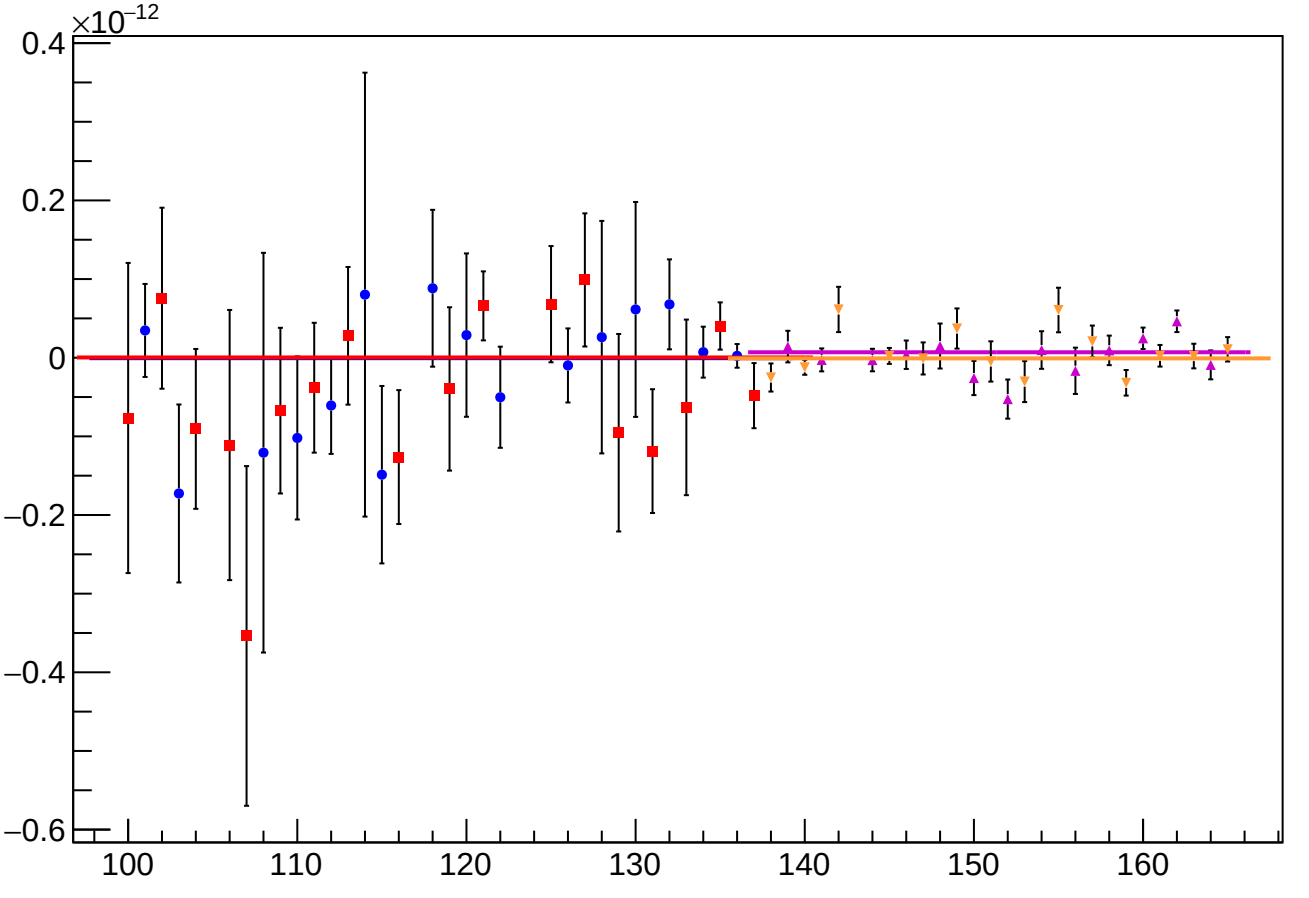
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.371+/-0.009 χ^2/NDF:231200.6/12

\+ sign 40.998+/-0.007 χ^2/NDF: 1590384.7/29

All: 39.663+/-0.005 χ^2/NDF: 3749780.2/60

\- sign 38.421+/-0.007 χ^2/NDF: 2097623.8/30



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/13

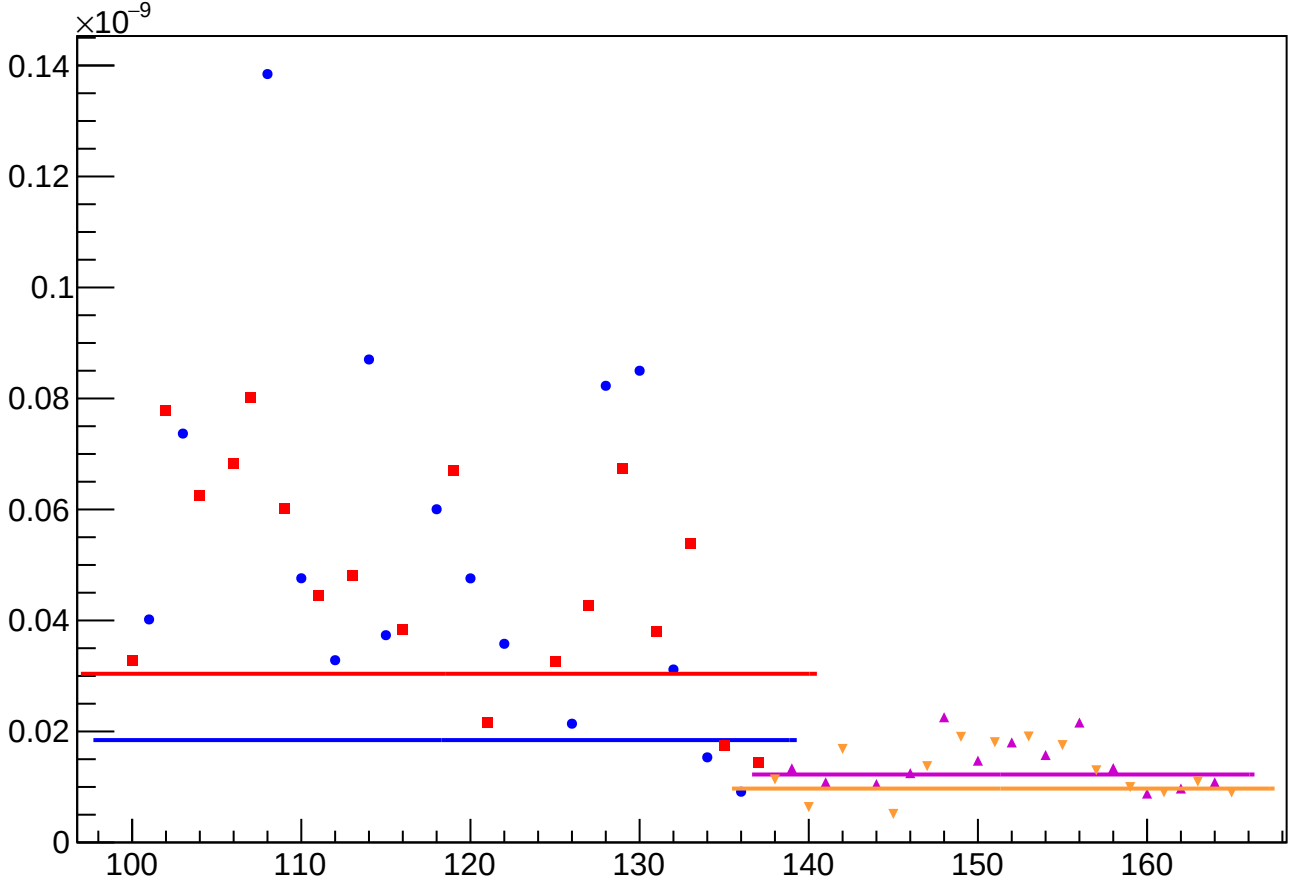
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:20.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/29

All: 0.000+/-0.000 χ^2/NDF: 71.9/60

- sign 0.000+/-0.000 χ^2/NDF: 39.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1838341.7/13

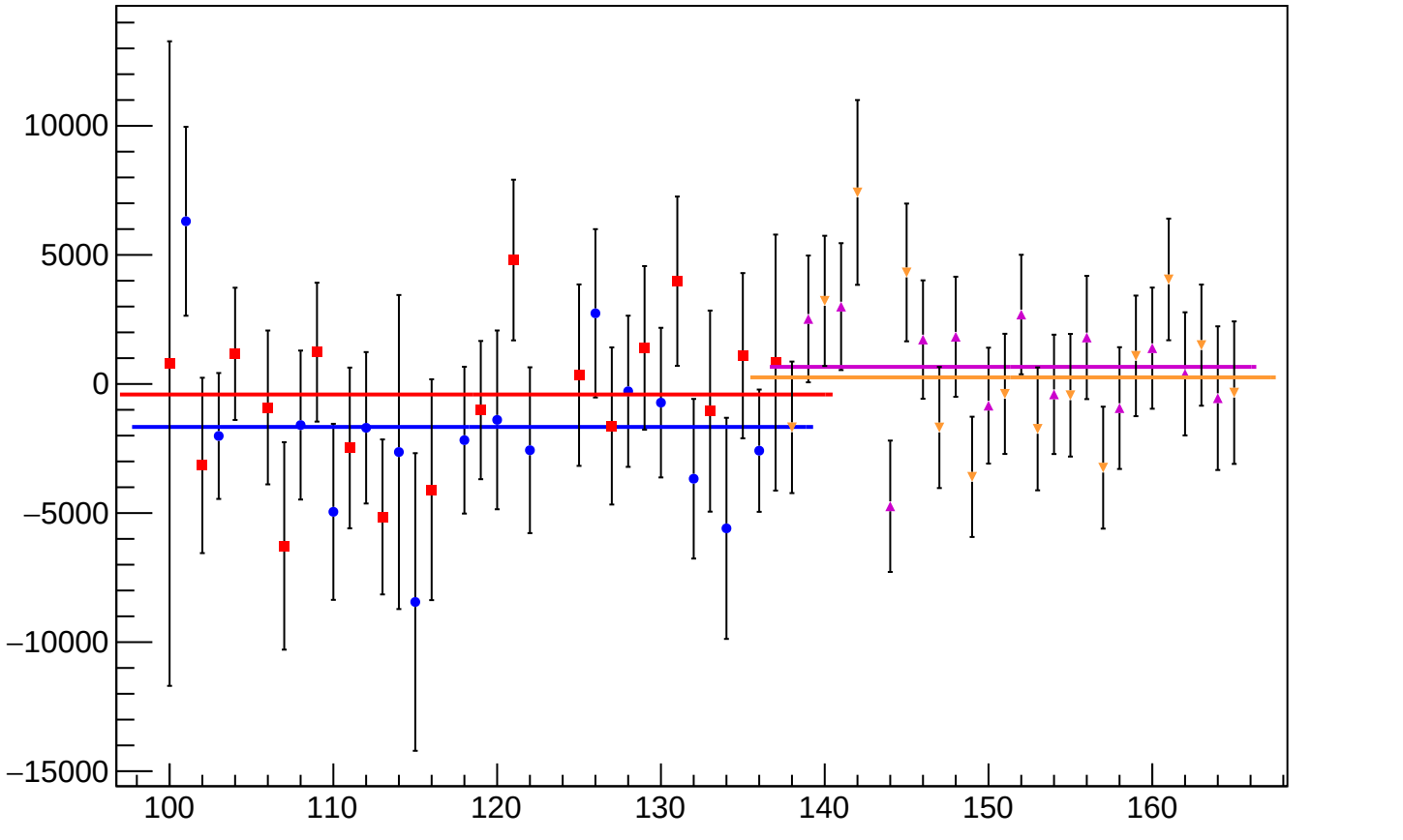
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:907664.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 6862676.0/29

All: 0.000+/-0.000 χ^2/NDF: 12837079.6/60

- sign 0.000+/-0.000 χ^2/NDF: 5517688.9/30



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 256.674+/-660.840 χ^2/NDF:17.8/13

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

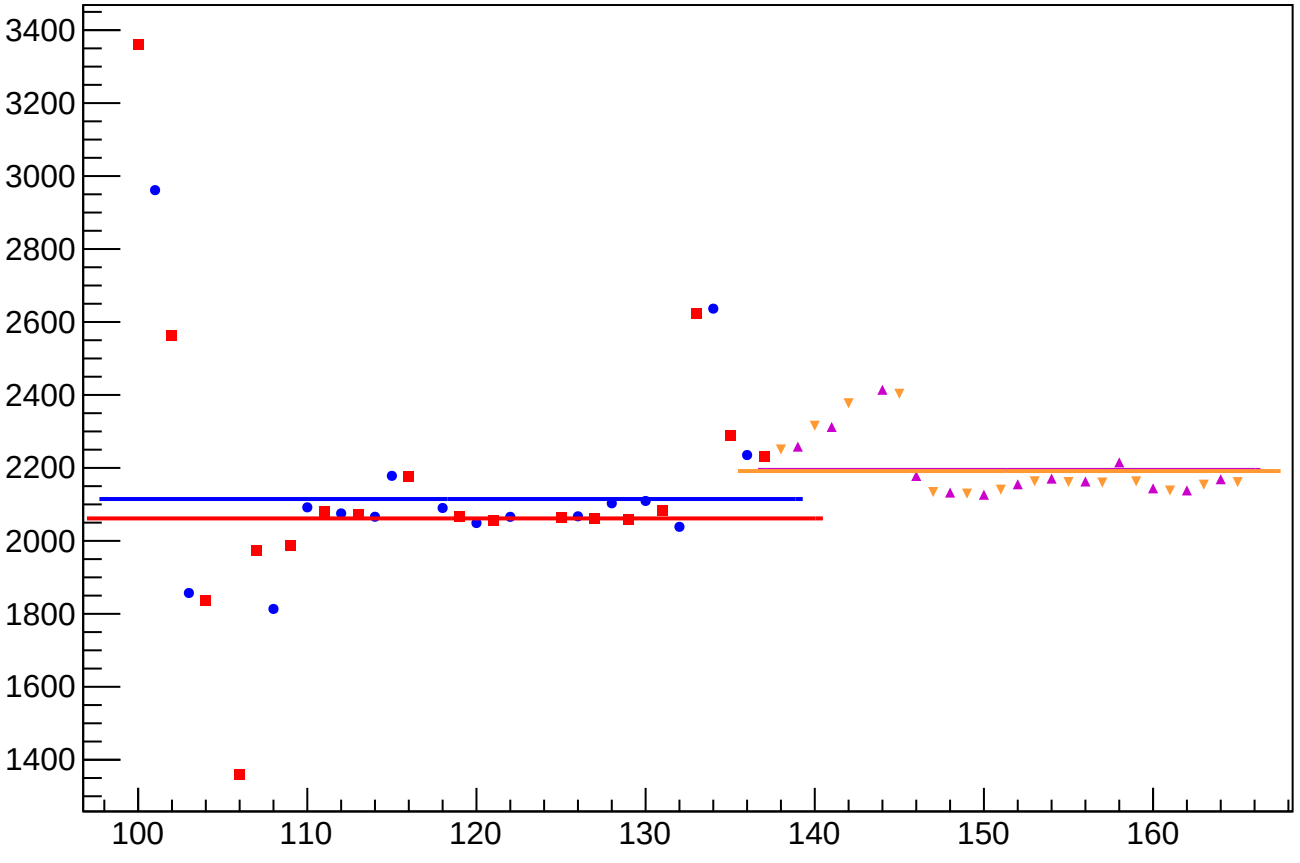
Left In: 662.452+/-662.979 χ^2/NDF:8.9/12

+ sign -531.602+/-507.449 χ^2/NDF: 32.1/29

All: -157.521+/-357.731 χ^2/NDF: 55.8/60

- sign 212.051+/-504.382 χ^2/NDF: 22.7/30

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2191.417+/-0.467 χ^2/NDF:30523.1/13

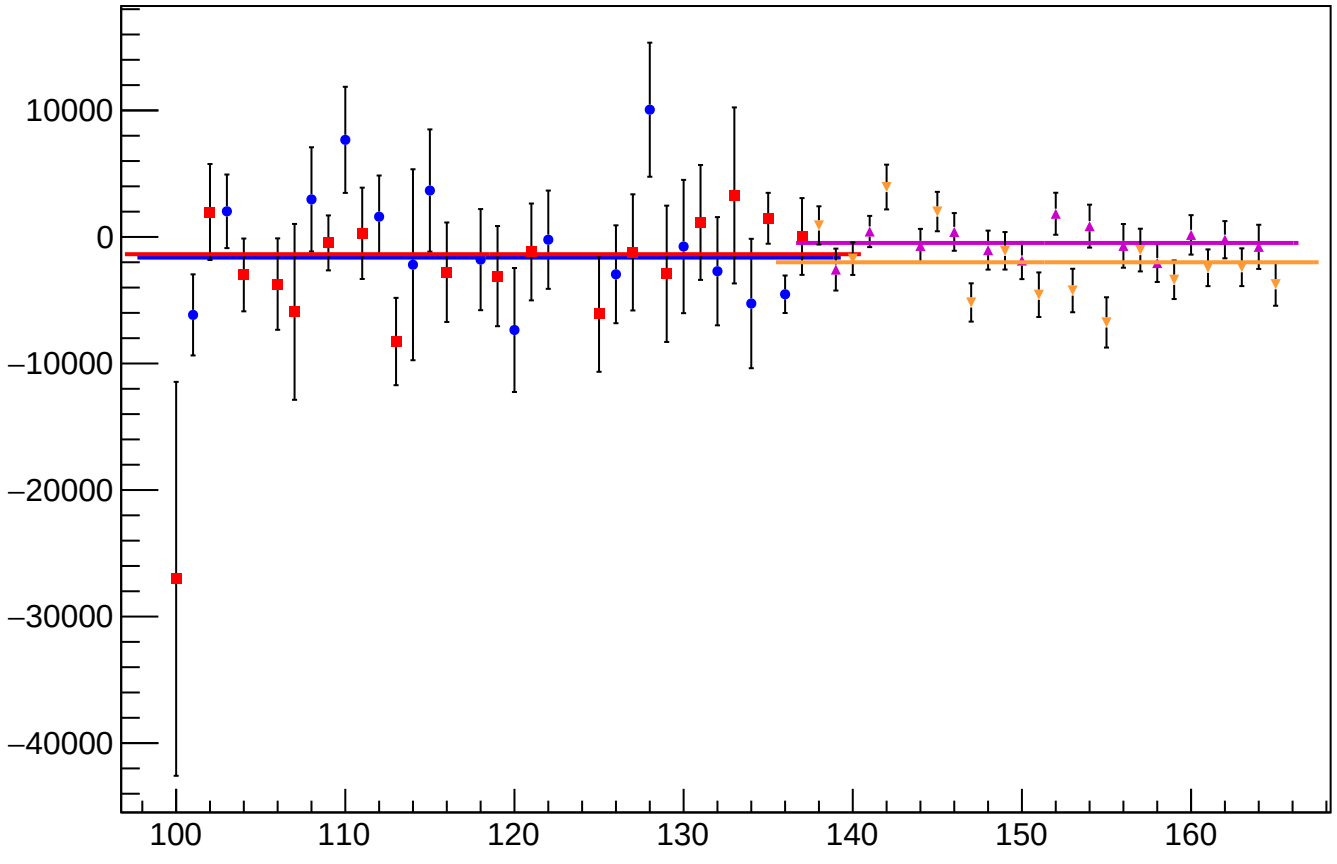
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

+ sign 2159.959+/-0.359 χ^2/NDF: 231488.5/29

All: 2149.172+/-0.253 χ^2/NDF: 544086.5/60

- sign 2138.515+/-0.357 χ^2/NDF: 310801.4/30



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1999.471+/-421.377 χ^2/NDF:38.3/13

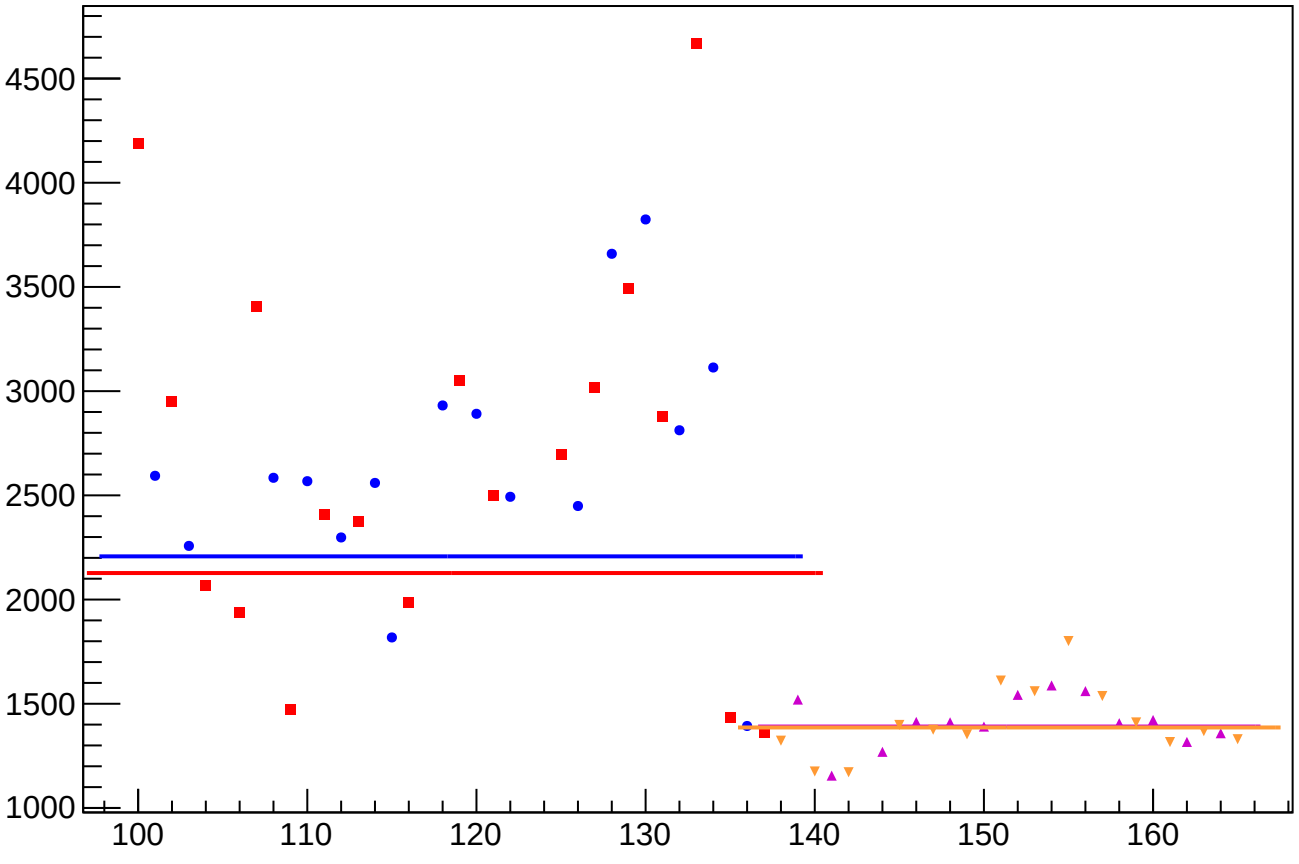
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -472.463+/-422.471 χ^2/NDF:7.5/12

+ sign -1928.357+/-378.602 χ^2/NDF: 61.3/29

All: -1288.190+/-267.308 χ^2/NDF: 88.9/60

- sign -651.871+/-377.462 χ^2/NDF: 21.8/30



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1386.234+/-0.298 χ^2/NDF:252031.7/13

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

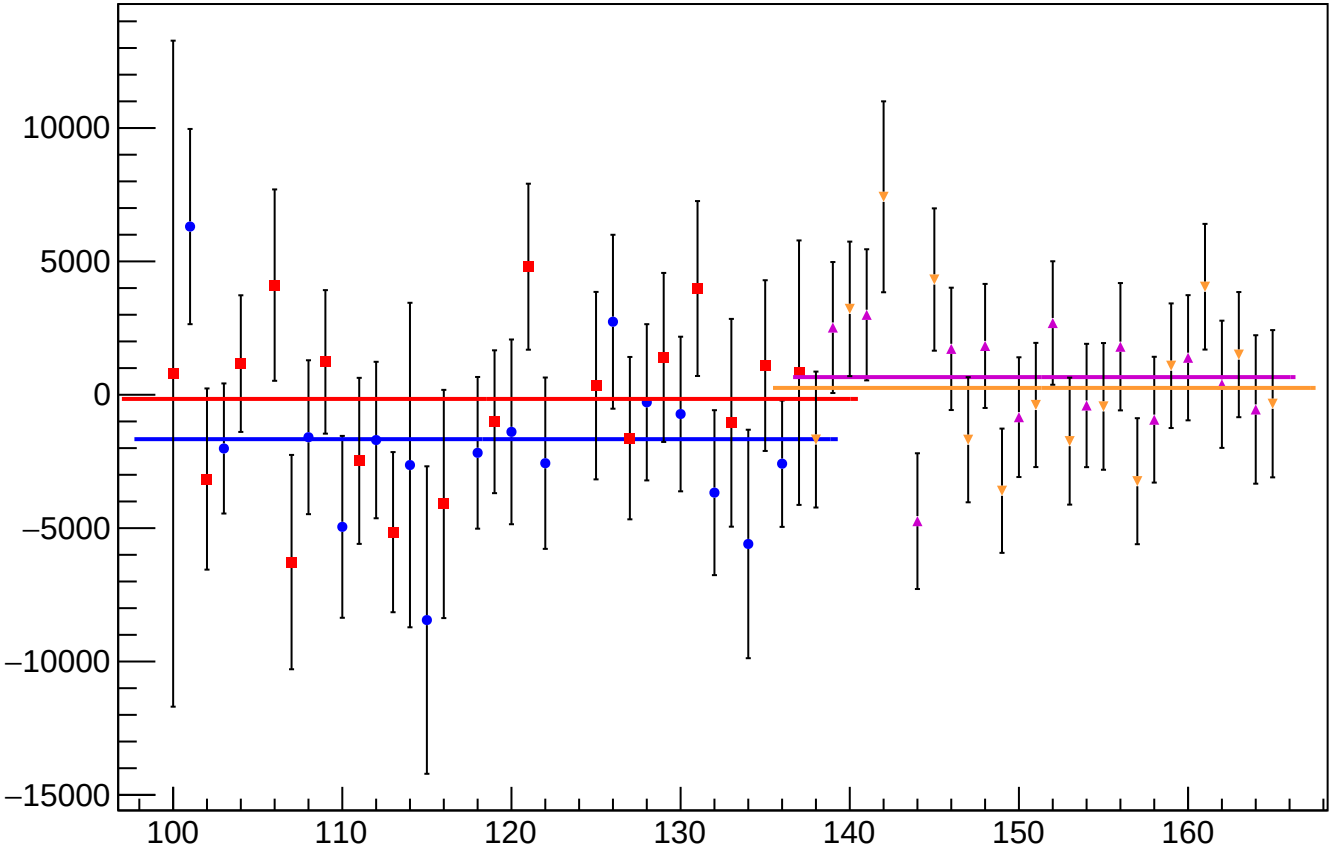
Left In: 1390.717+/-0.299 χ^2/NDF:172244.9/12

+ sign 1544.463+/-0.268 χ^2/NDF: 2964572.4/29

All: 1541.868+/-0.189 χ^2/NDF: 5821210.8/60

- sign 1539.288+/-0.267 χ^2/NDF: 2856451.0/30

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 256.914+/-660.840 χ^2/NDF:17.8/13

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

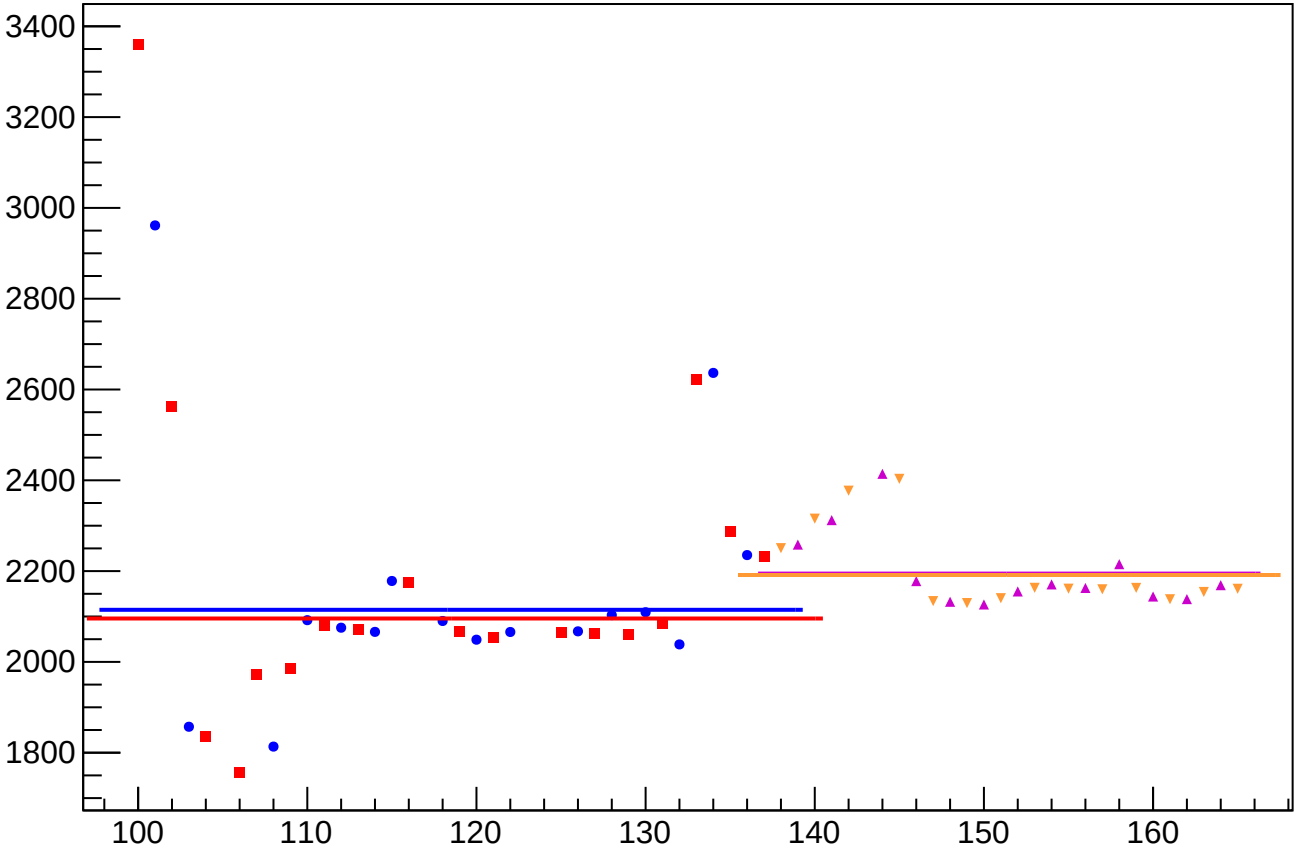
Left In: 662.337+/-662.979 χ^2/NDF:8.9/12

+ sign -531.430+/-507.449 χ^2/NDF: 32.1/29

All: -104.040+/-358.533 χ^2/NDF: 57.2/60

- sign 321.981+/-506.636 χ^2/NDF: 23.7/30

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2191.417+/-0.467 χ^2/NDF:30523.1/13

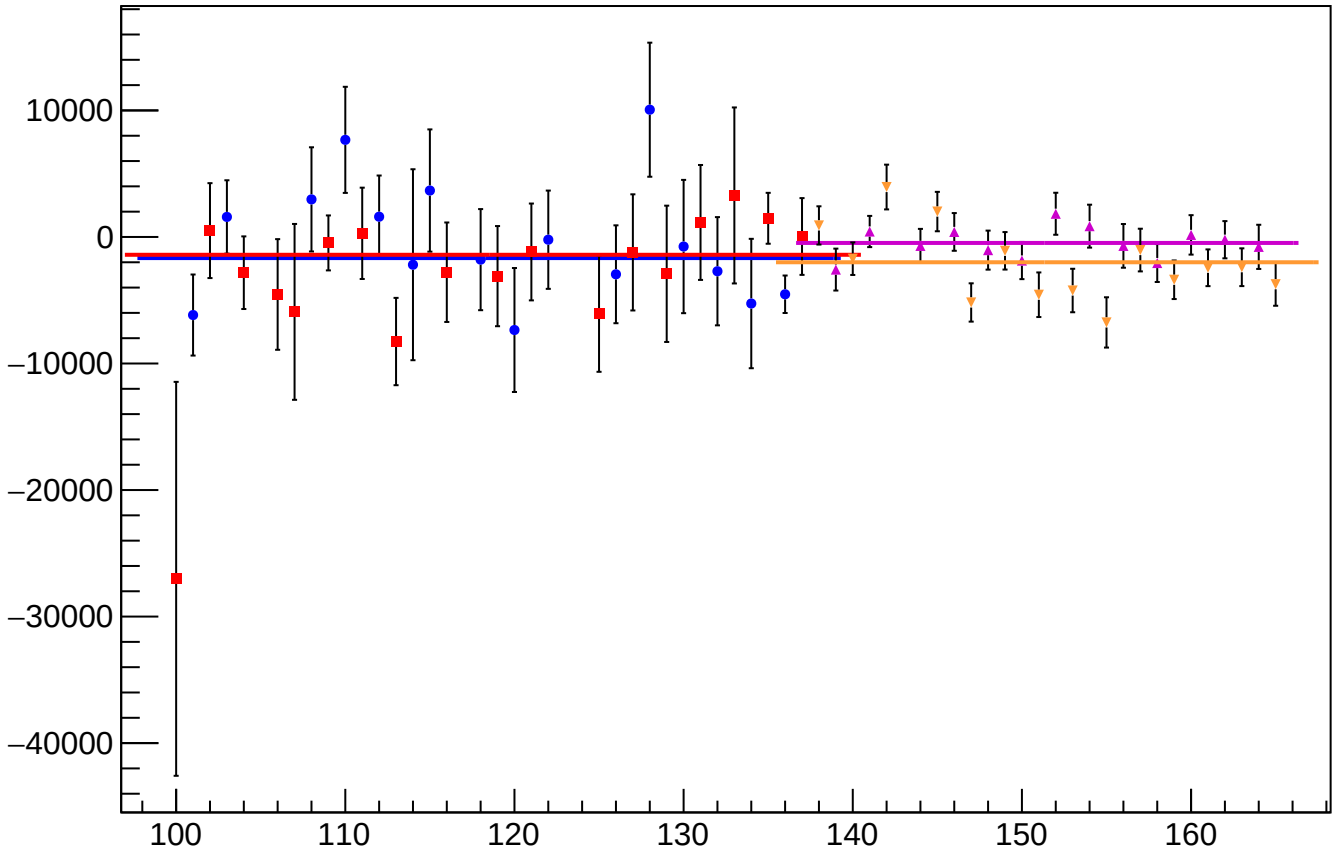
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

+ sign 2159.959+/-0.359 χ^2/NDF: 231488.8/29

All: 2156.656+/-0.254 χ^2/NDF: 427275.5/60

- sign 2153.364+/-0.358 χ^2/NDF: 195617.6/30



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1999.395+/-421.380 χ^2/NDF:38.3/13

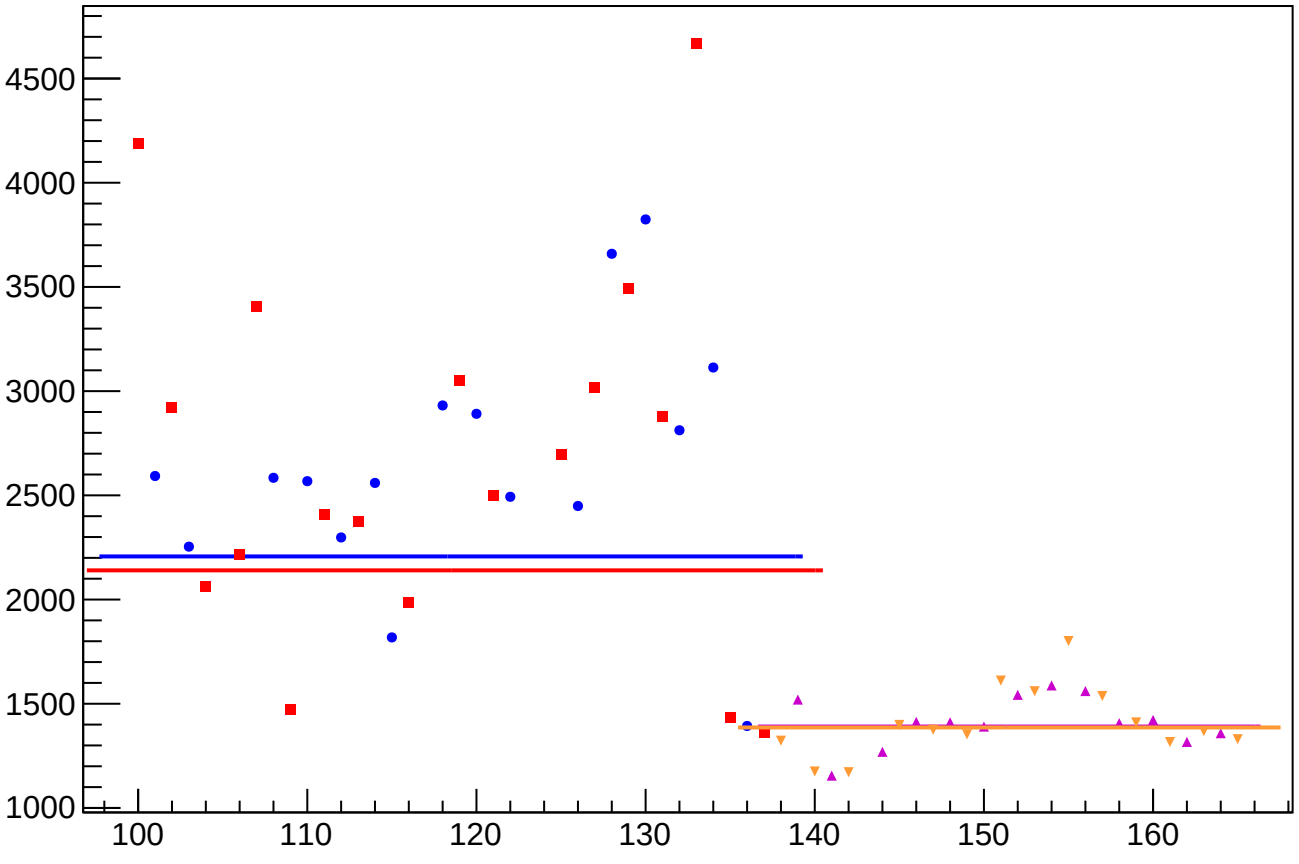
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -472.345+/-422.471 χ^2/NDF:7.5/12

+ sign -1935.586+/-378.579 χ^2/NDF: 61.0/29

All: -1296.276+/-267.512 χ^2/NDF: 88.1/60

- sign -658.720+/-378.059 χ^2/NDF: 21.4/30



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1386.245+/-0.298 χ^2/NDF:251978.0/13

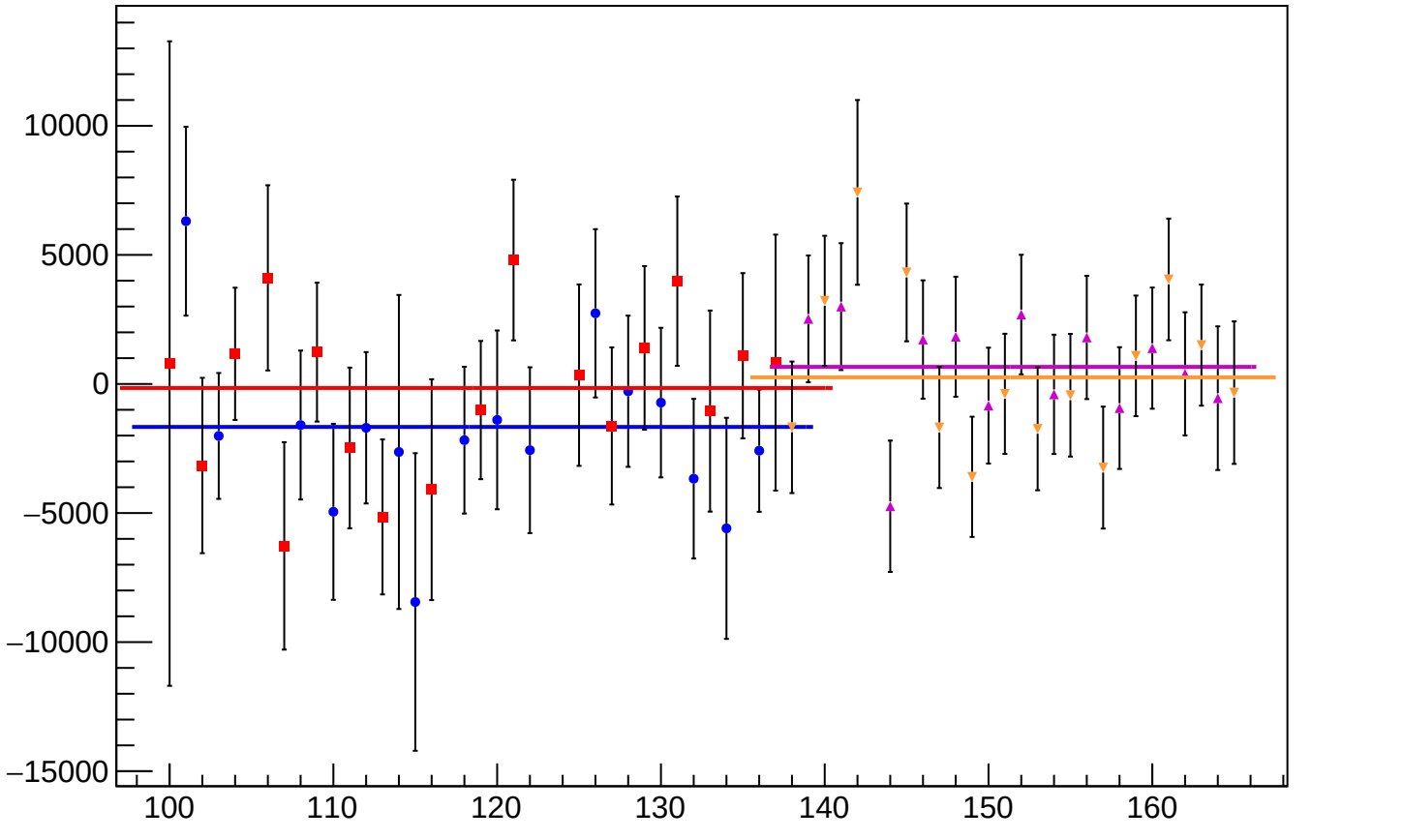
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1390.718+/-0.299 χ^2/NDF:172282.8/12

+ sign 1544.494+/-0.268 χ^2/NDF: 2963835.7/29

All: 1542.236+/-0.189 χ^2/NDF: 5837996.6/60

- sign 1539.984+/-0.267 χ^2/NDF: 2874018.8/30



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 256.914+/-660.840 χ^2/NDF:17.8/13

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

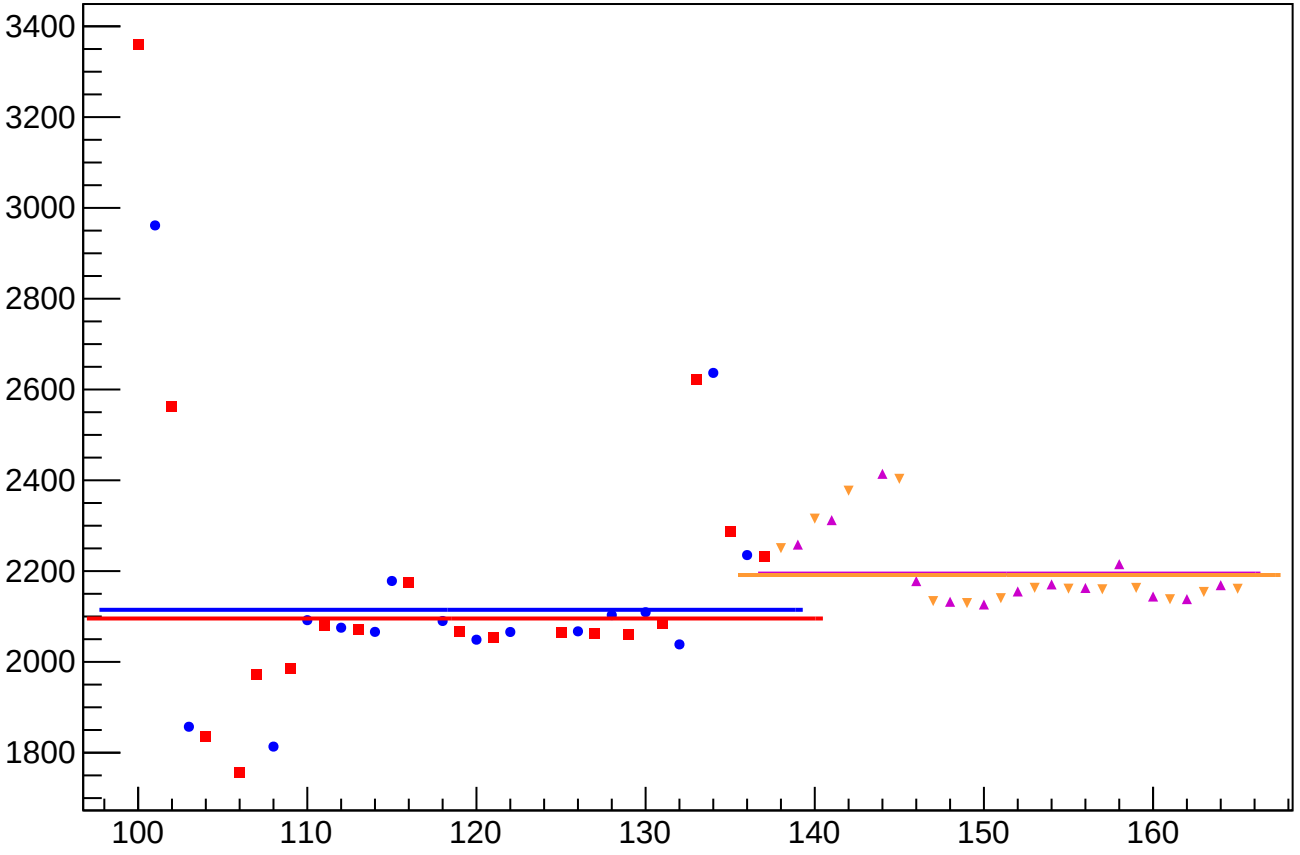
Left In: 662.337+/-662.979 χ^2/NDF:8.9/12

+ sign -531.430+/-507.449 χ^2/NDF: 32.1/29

All: -104.040+/-358.533 χ^2/NDF: 57.2/60

- sign 321.981+/-506.636 χ^2/NDF: 23.7/30

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: 2191.417+/-0.467 χ^2/NDF:30523.1/13

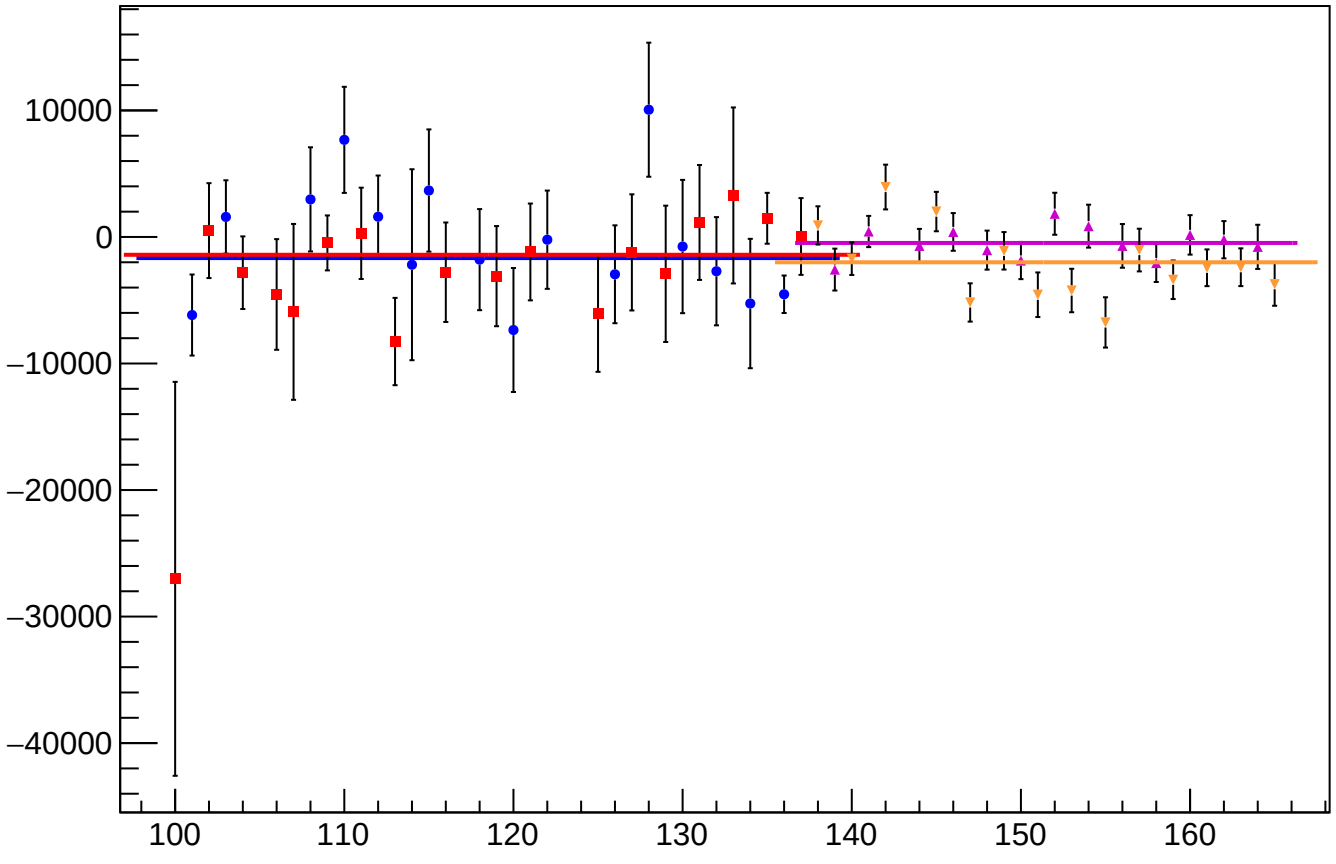
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

+ sign 2159.959+/-0.359 χ^2/NDF: 231488.8/29

All: 2156.656+/-0.254 χ^2/NDF: 427275.5/60

- sign 2153.364+/-0.358 χ^2/NDF: 195617.6/30



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1999.395+/-421.380 χ^2/NDF:38.3/13

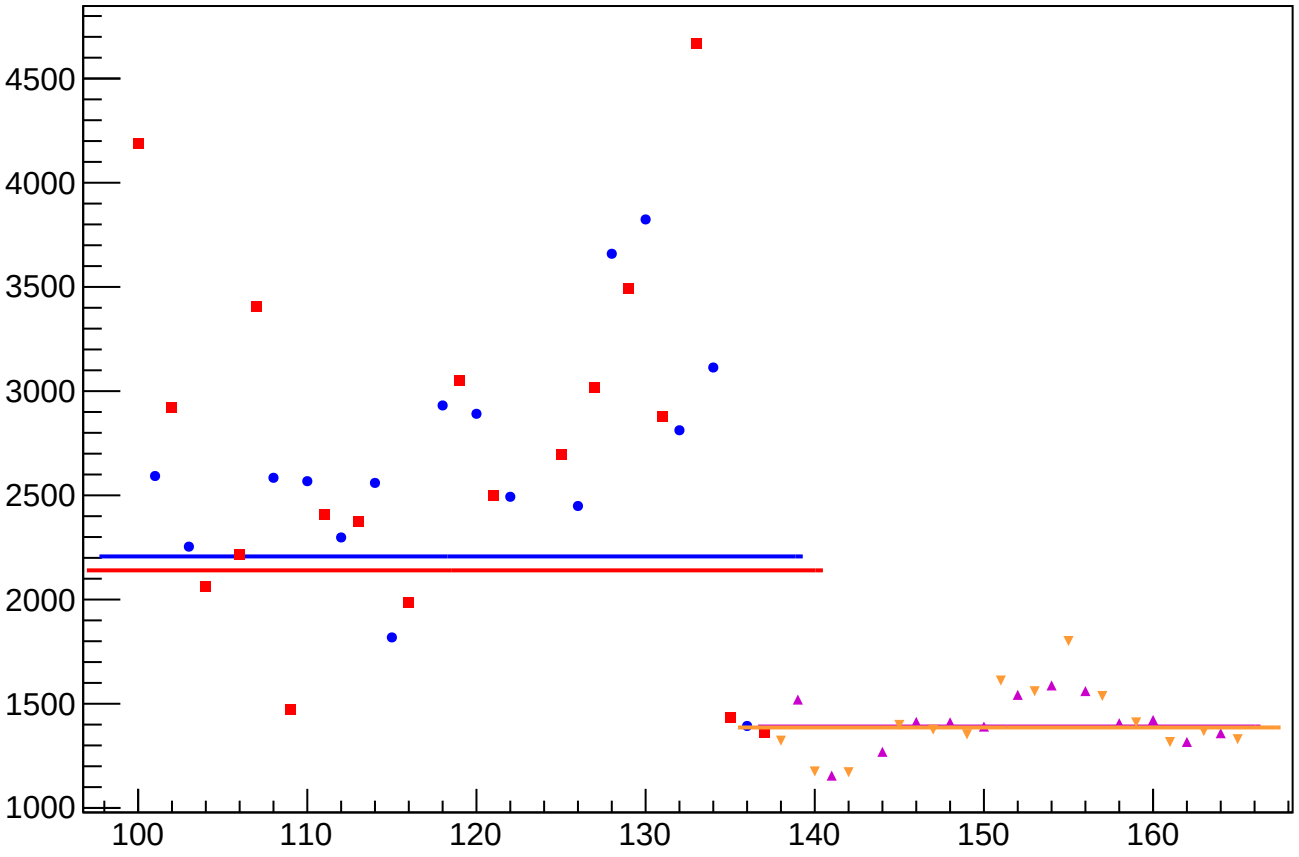
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -472.345+/-422.471 χ^2/NDF:7.5/12

+ sign -1935.586+/-378.579 χ^2/NDF: 61.0/29

All: -1296.276+/-267.512 χ^2/NDF: 88.1/60

- sign -658.720+/-378.059 χ^2/NDF: 21.4/30



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1386.245+/-0.298 χ^2/NDF:251978.0/13

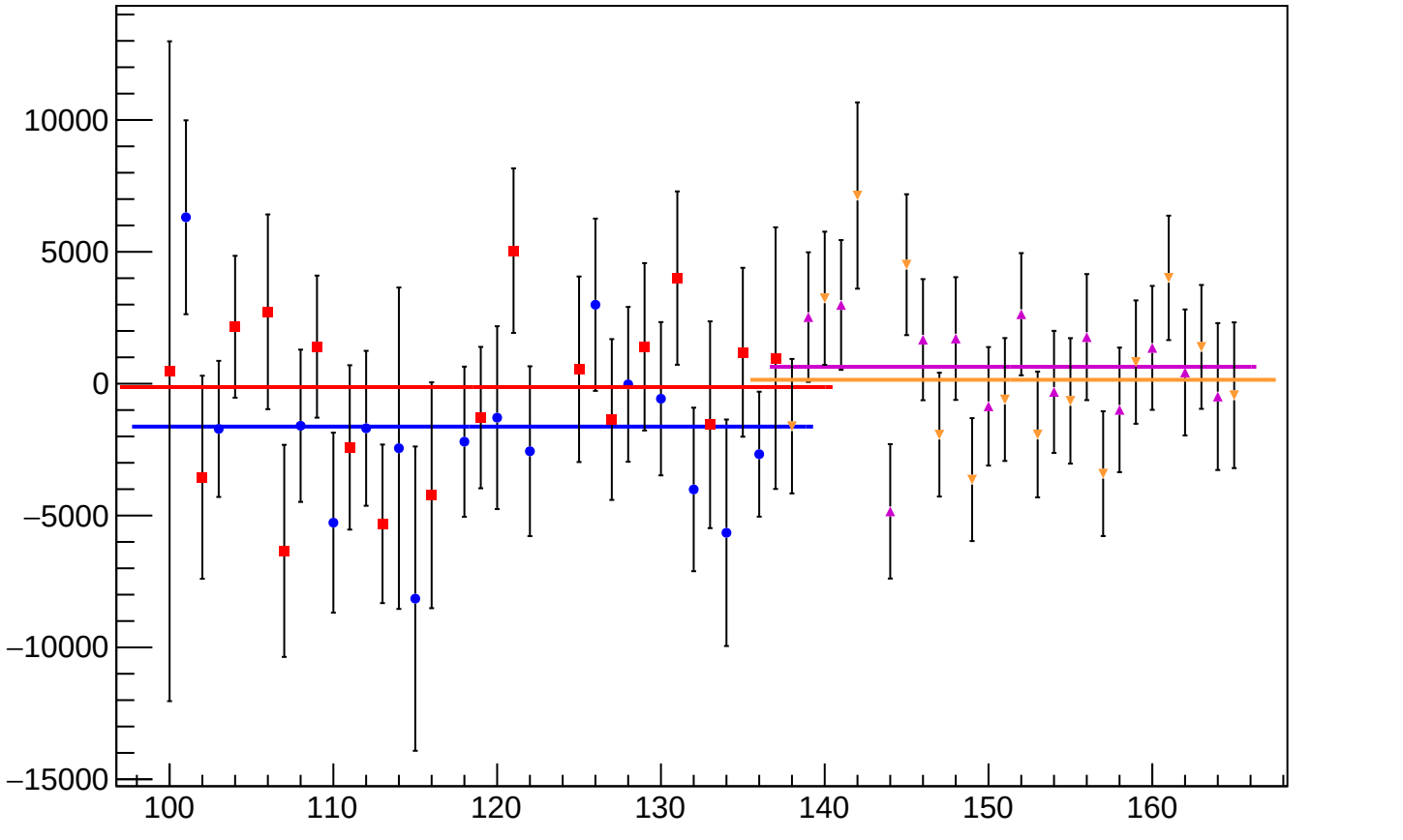
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1390.718+/-0.299 χ^2/NDF:172282.8/12

+ sign 1544.494+/-0.268 χ^2/NDF: 2963835.7/29

All: 1542.236+/-0.189 χ^2/NDF: 5837996.6/60

- sign 1539.984+/-0.267 χ^2/NDF: 2874018.8/30



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 147.872+/-661.300 χ^2/NDF:18.3/13

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

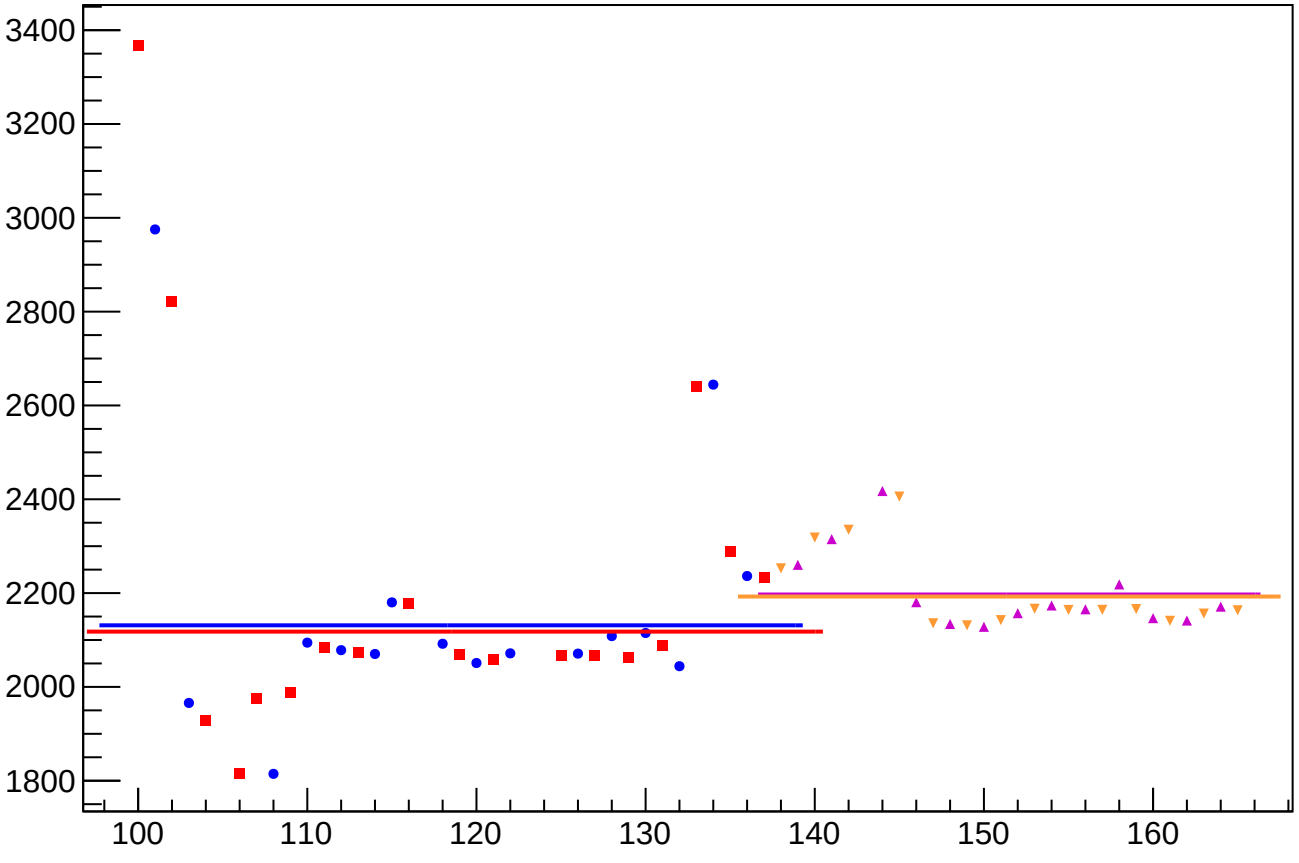
Left In: 638.738+/-663.728 χ^2/NDF:8.9/12

+ sign -575.044+/-509.175 χ^2/NDF: 32.6/29

All: -125.924+/-360.241 χ^2/NDF: 58.1/60

- sign 324.192+/-509.739 χ^2/NDF: 24.0/30

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2192.657+/-0.468 χ^2/NDF:28295.6/13

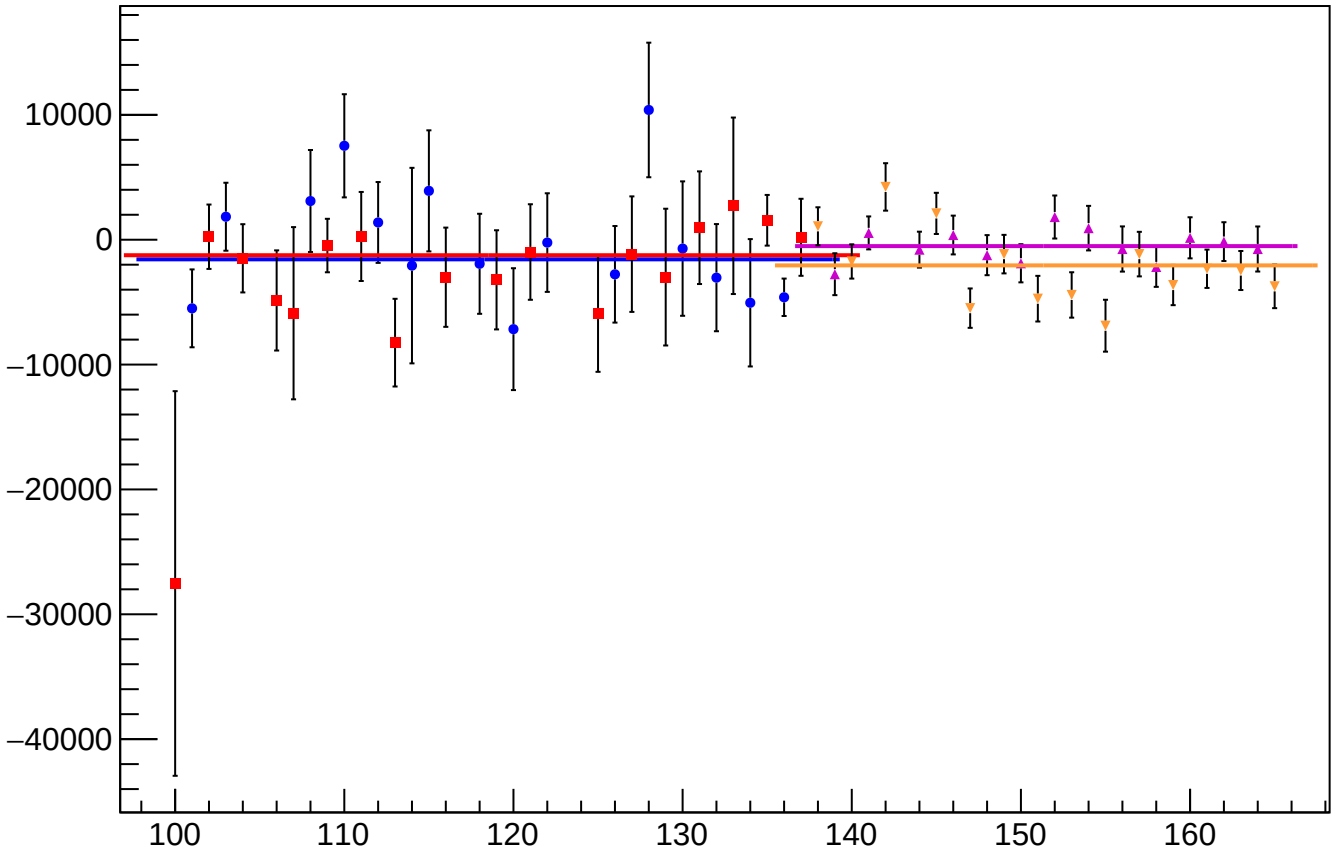
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2196.989+/-0.469 χ^2/NDF:27838.9/12

+ sign 2167.674+/-0.360 χ^2/NDF: 211249.6/29

All: 2166.106+/-0.255 χ^2/NDF: 414407.1/60

- sign 2164.534+/-0.360 χ^2/NDF: 203119.6/30



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -2054.745+/-441.880 χ^2/NDF:38.1/13

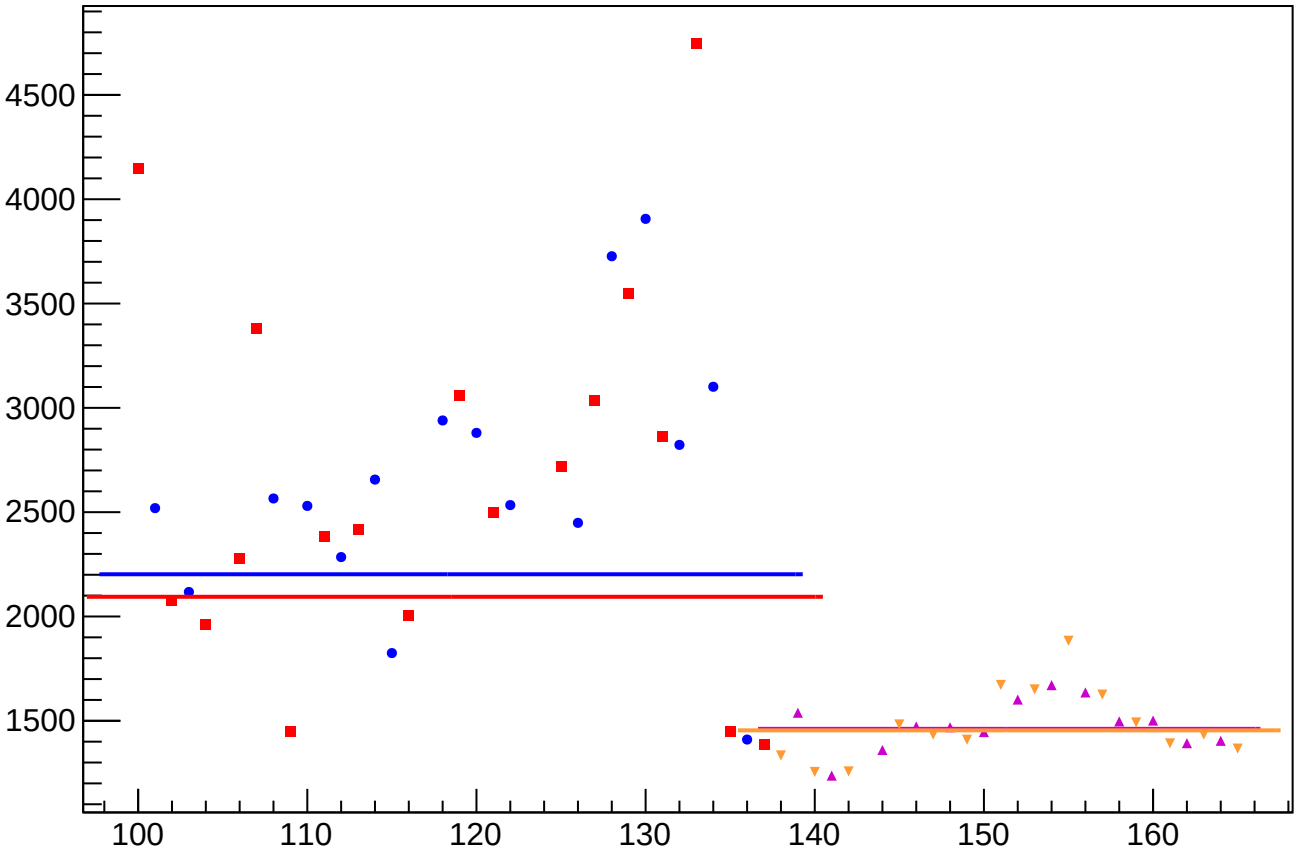
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -511.192+/-443.567 χ^2/NDF:7.6/12

+ sign -1953.678+/-393.010 χ^2/NDF: 61.0/29

All: -1310.361+/-276.873 χ^2/NDF: 87.6/60

- sign -676.472+/-390.120 χ^2/NDF: 21.3/30



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1454.253+/-0.312 χ^2/NDF:243982.4/13

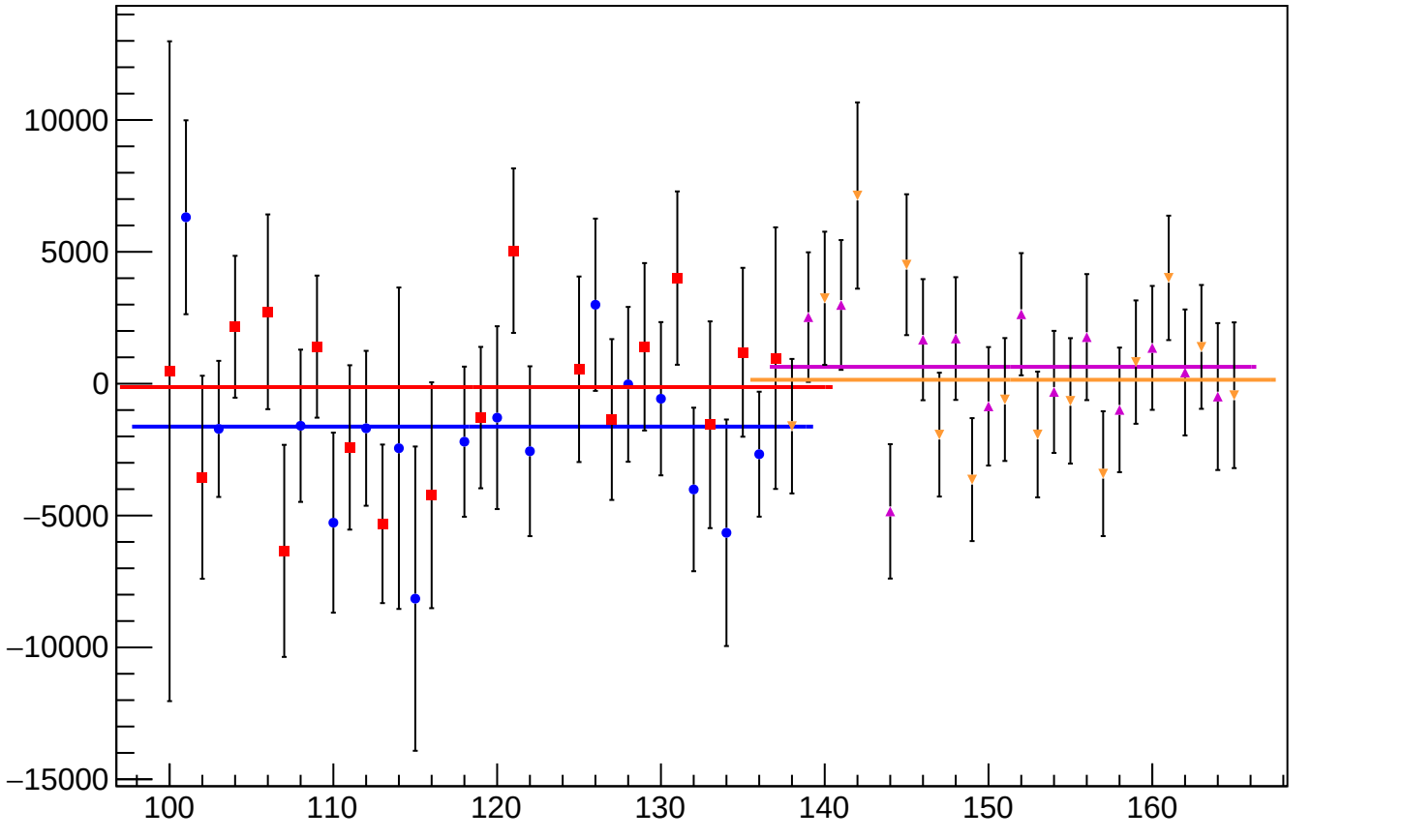
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1461.456+/-0.314 χ^2/NDF:139643.9/12

+ sign 1610.580+/-0.278 χ^2/NDF: 2664874.6/29

All: 1607.672+/-0.196 χ^2/NDF: 5100796.0/60

- sign 1604.808+/-0.276 χ^2/NDF: 2435704.1/30



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 147.877+/-661.300 χ^2/NDF:18.3/13

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

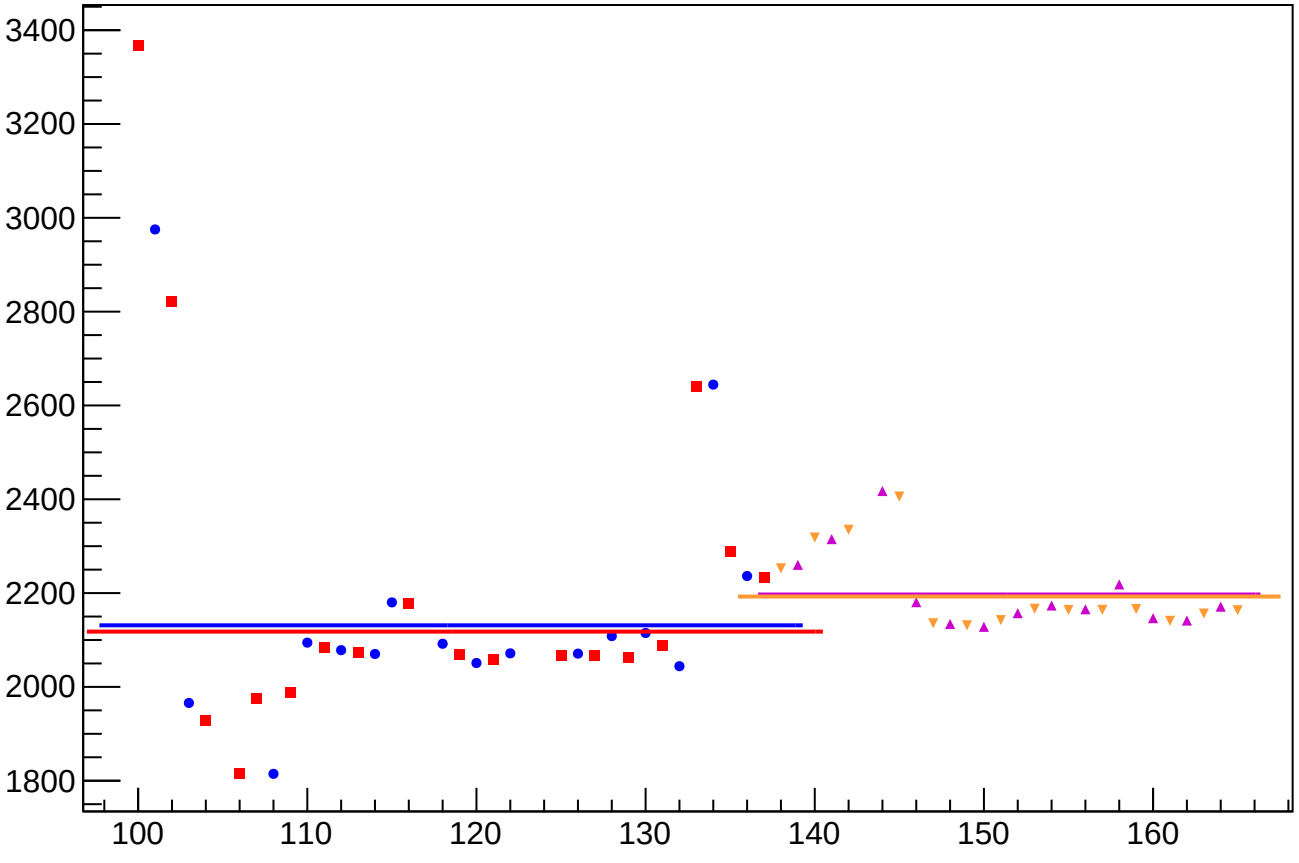
Left In: 638.738+/-663.728 χ^2/NDF:8.9/12

+ sign -575.042+/-509.175 χ^2/NDF: 32.6/29

All: -125.921+/-360.241 χ^2/NDF: 58.1/60

- sign 324.195+/-509.739 χ^2/NDF: 24.0/30

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: 2192.657+/-0.468 χ^2/NDF:28295.7/13

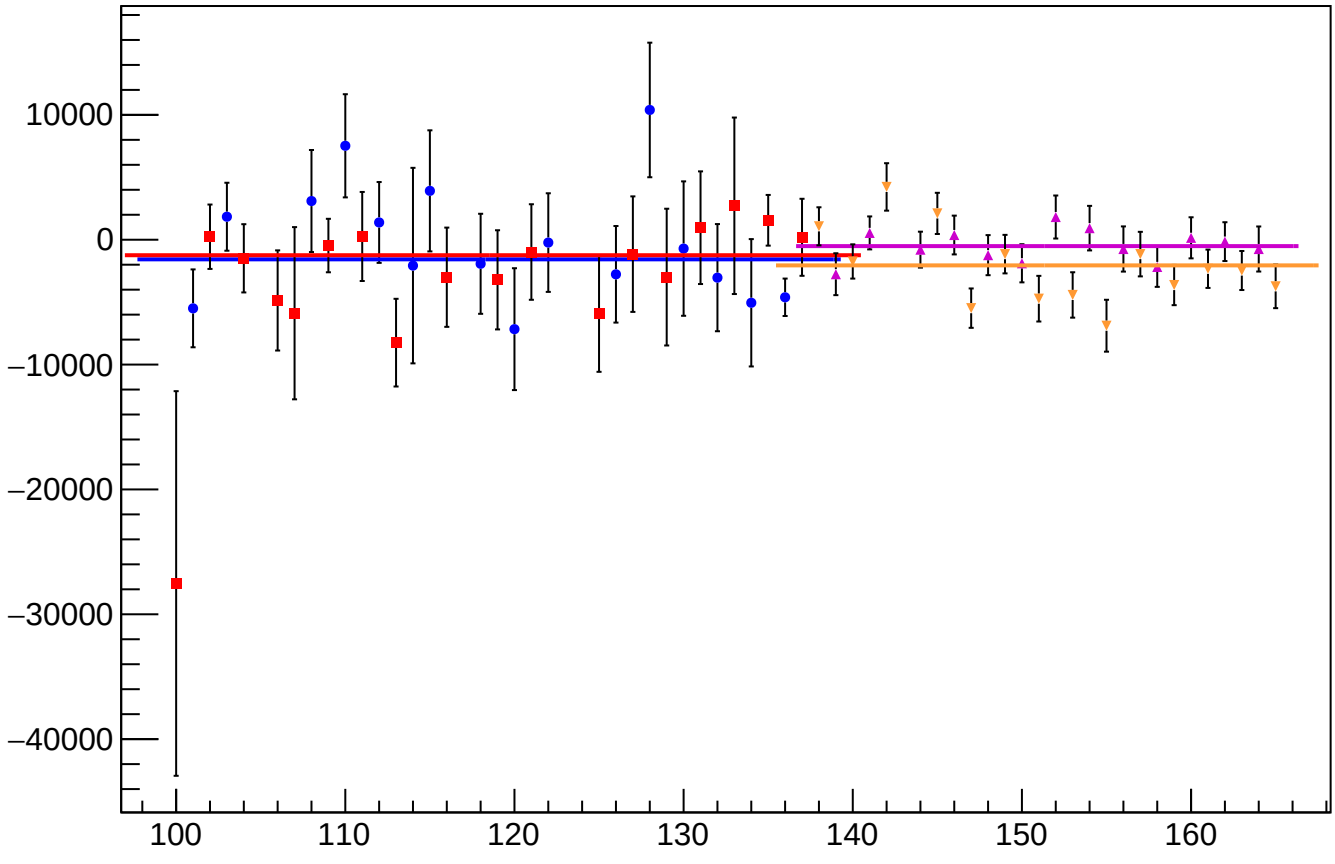
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2196.989+/-0.469 χ^2/NDF:27839.0/12

\+ sign 2167.674+/-0.360 χ^2/NDF: 211249.6/29

All: 2166.106+/-0.255 χ^2/NDF: 414407.2/60

\- sign 2164.534+/-0.360 χ^2/NDF: 203119.6/30



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -2054.754+/-441.880 χ^2/NDF:38.1/13

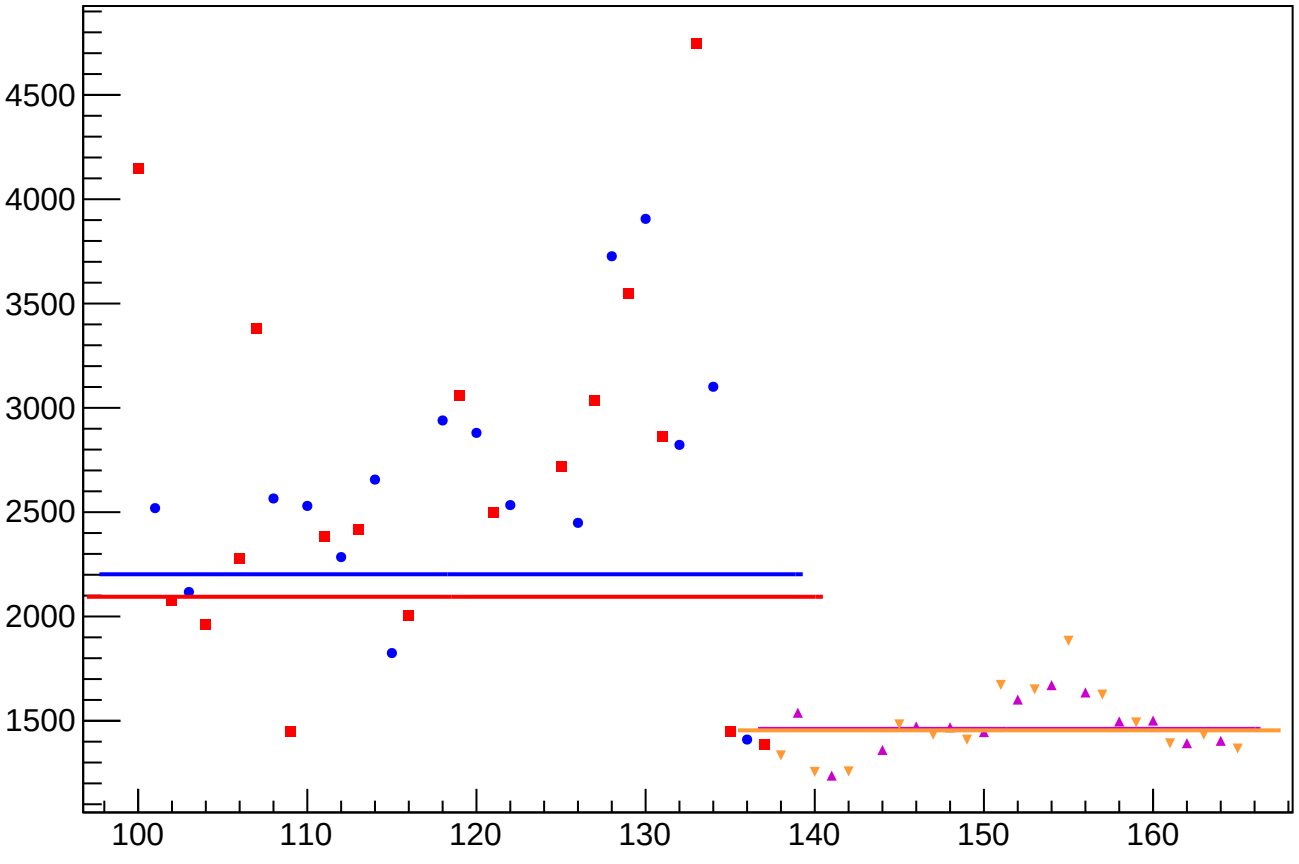
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -511.188+/-443.567 χ^2/NDF:7.6/12

+ sign -1953.682+/-393.011 χ^2/NDF: 61.0/29

All: -1310.363+/-276.873 χ^2/NDF: 87.6/60

- sign -676.471+/-390.120 χ^2/NDF: 21.3/30



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1454.255+/-0.312 χ^2/NDF:243973.8/13

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

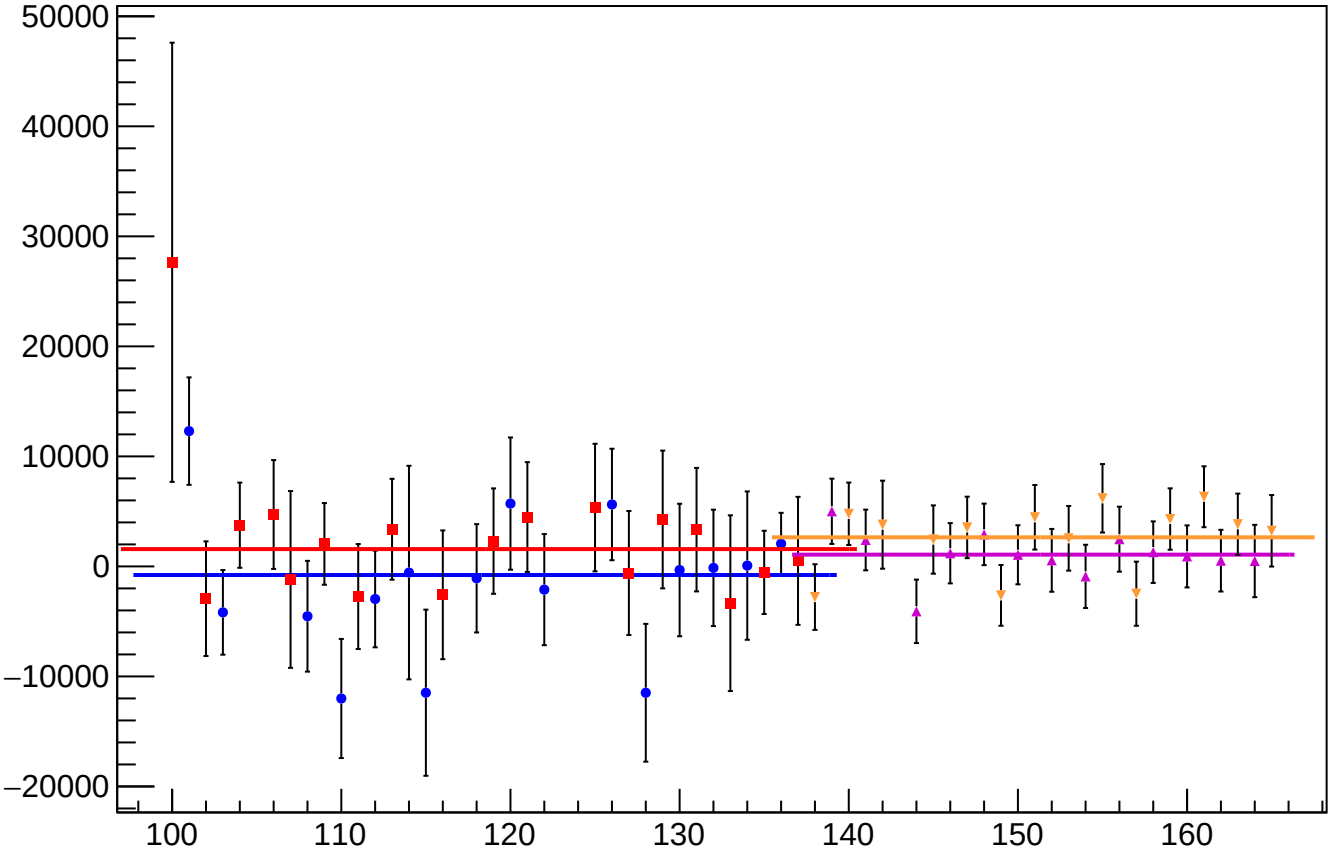
Left In: 1461.456+/-0.314 χ^2/NDF:139647.4/12

+ sign 1610.583+/-0.278 χ^2/NDF: 2664832.4/29

All: 1607.675+/-0.196 χ^2/NDF: 5100740.5/60

- sign 1604.810+/-0.276 χ^2/NDF: 2435690.7/30

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2643.238+/-791.218 χ^2/NDF:14.8/13

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

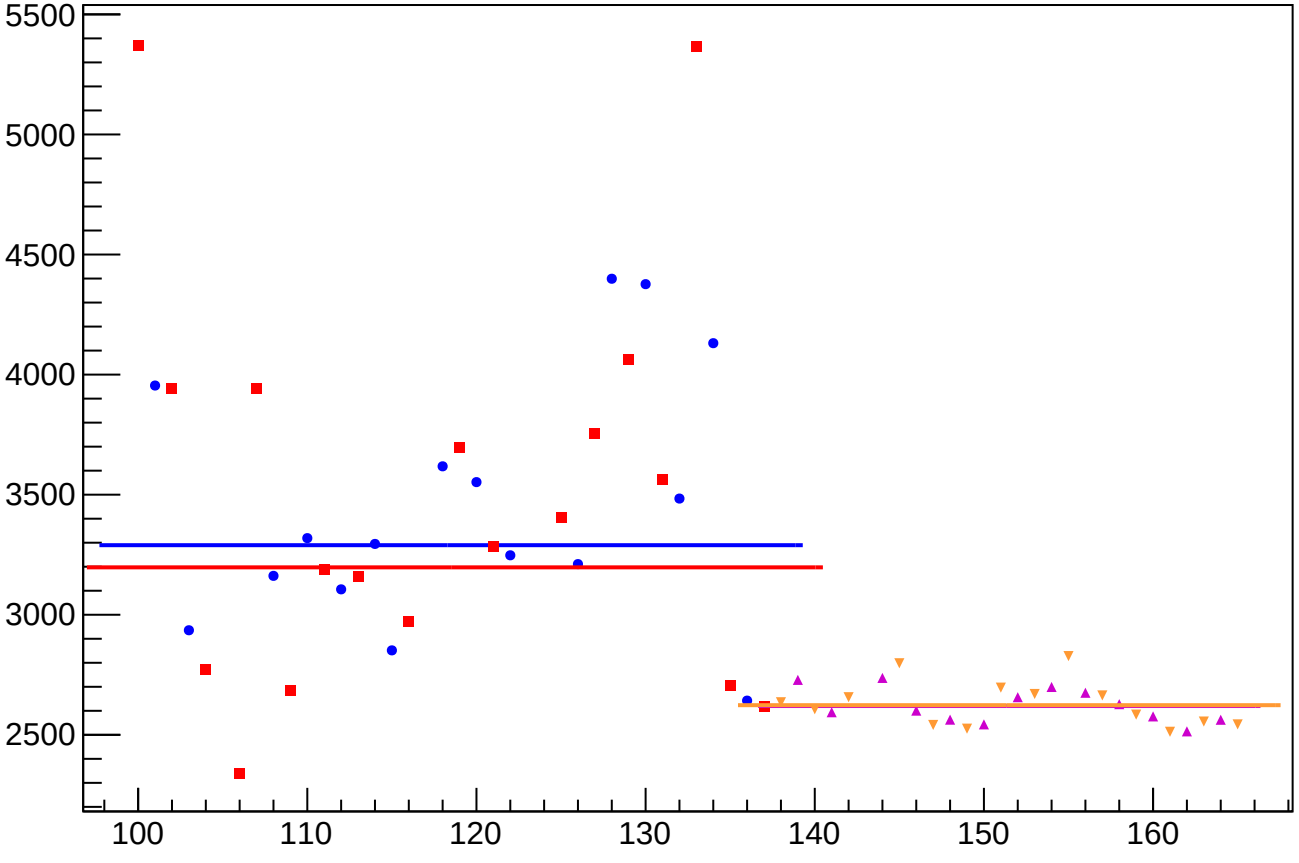
Left In: 1068.668+/-791.416 χ^2/NDF:6.4/12

+ sign 1654.228+/-667.267 χ^2/NDF: 42.1/29

All: 1435.332+/-470.593 χ^2/NDF: 55.6/60

- sign 1218.715+/-663.784 χ^2/NDF: 13.3/30

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2623.452+/-0.559 χ^2/NDF:27582.5/13

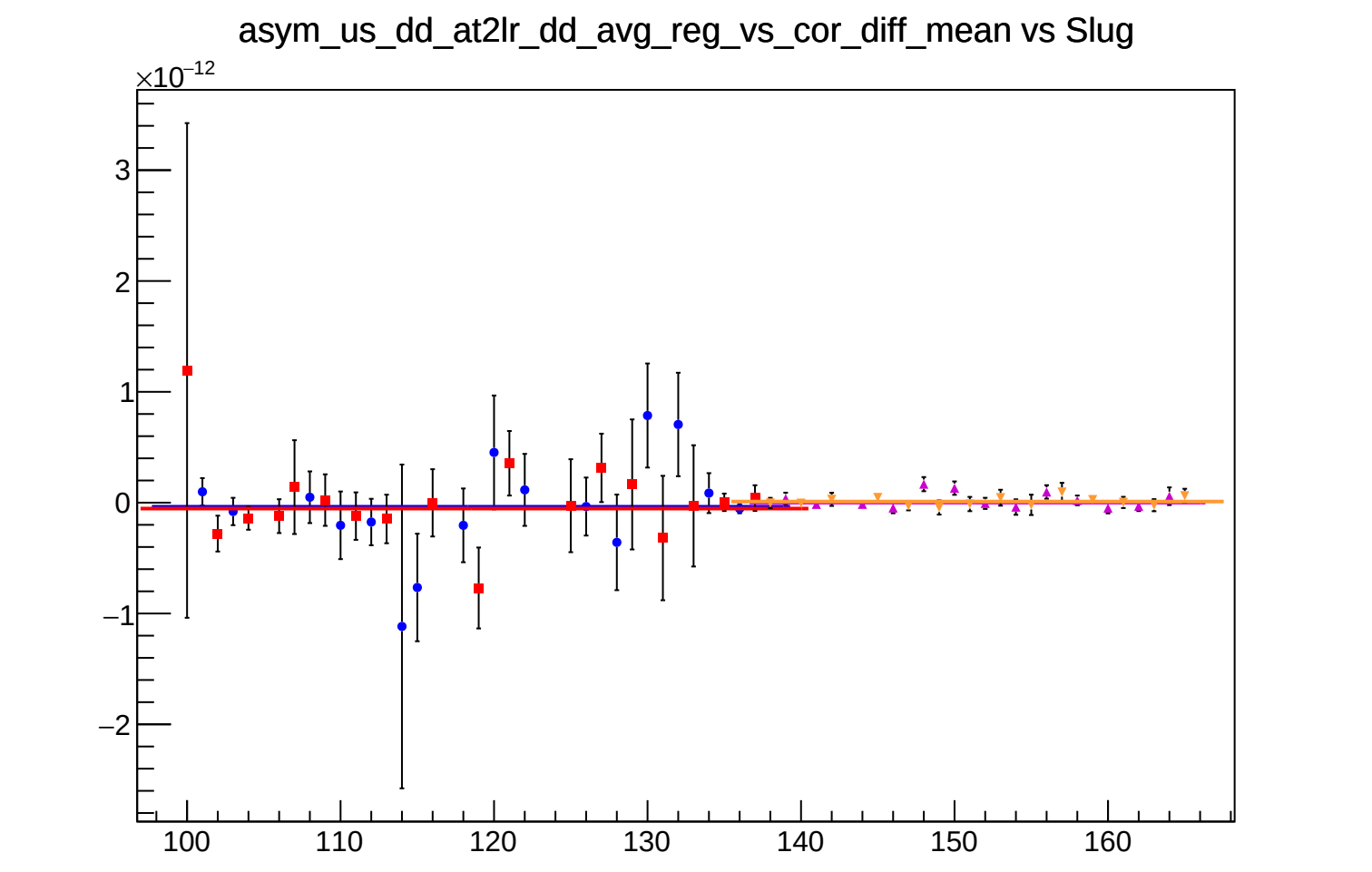
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

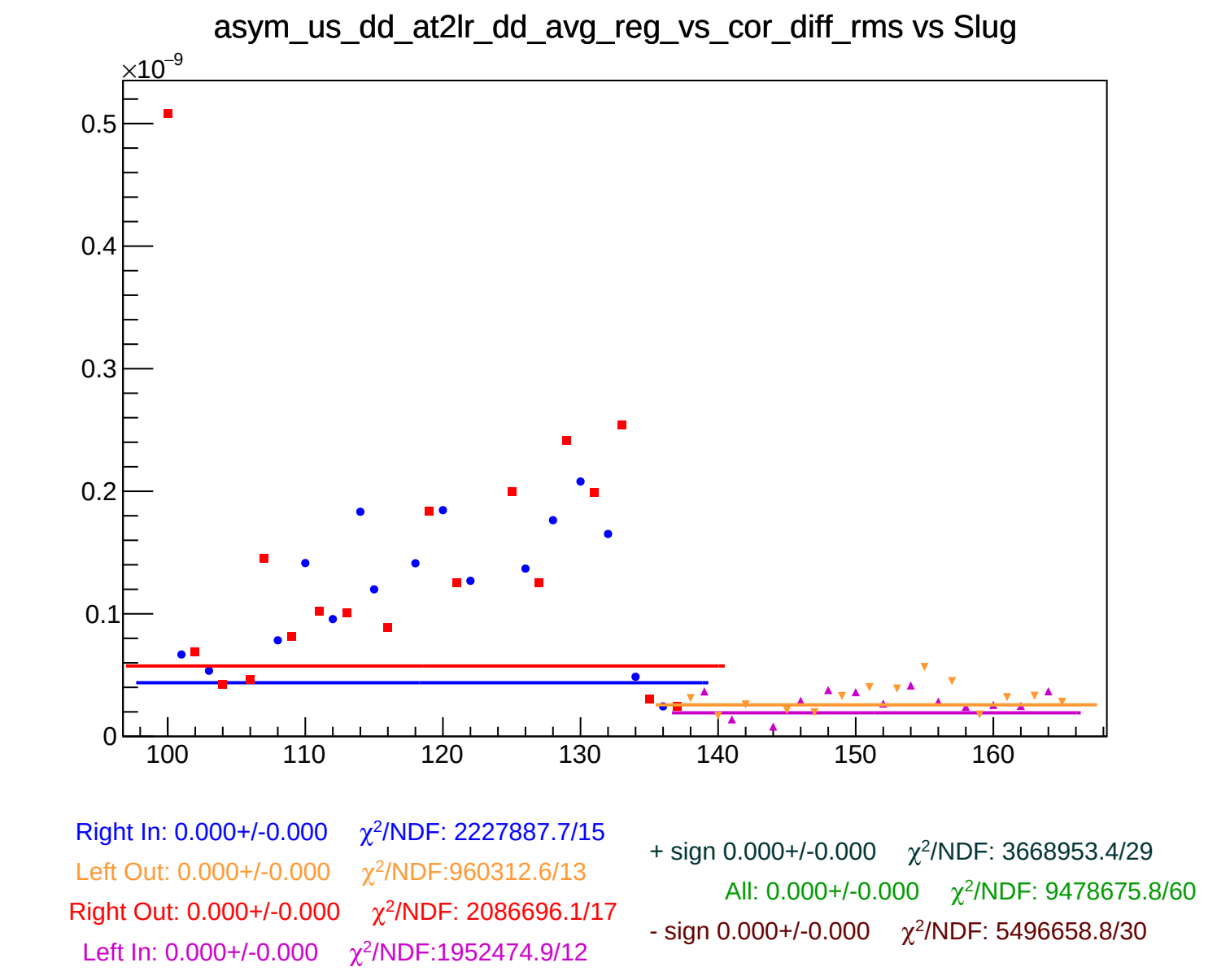
Left In: 2619.922+/-0.560 χ^2/NDF:15175.6/12

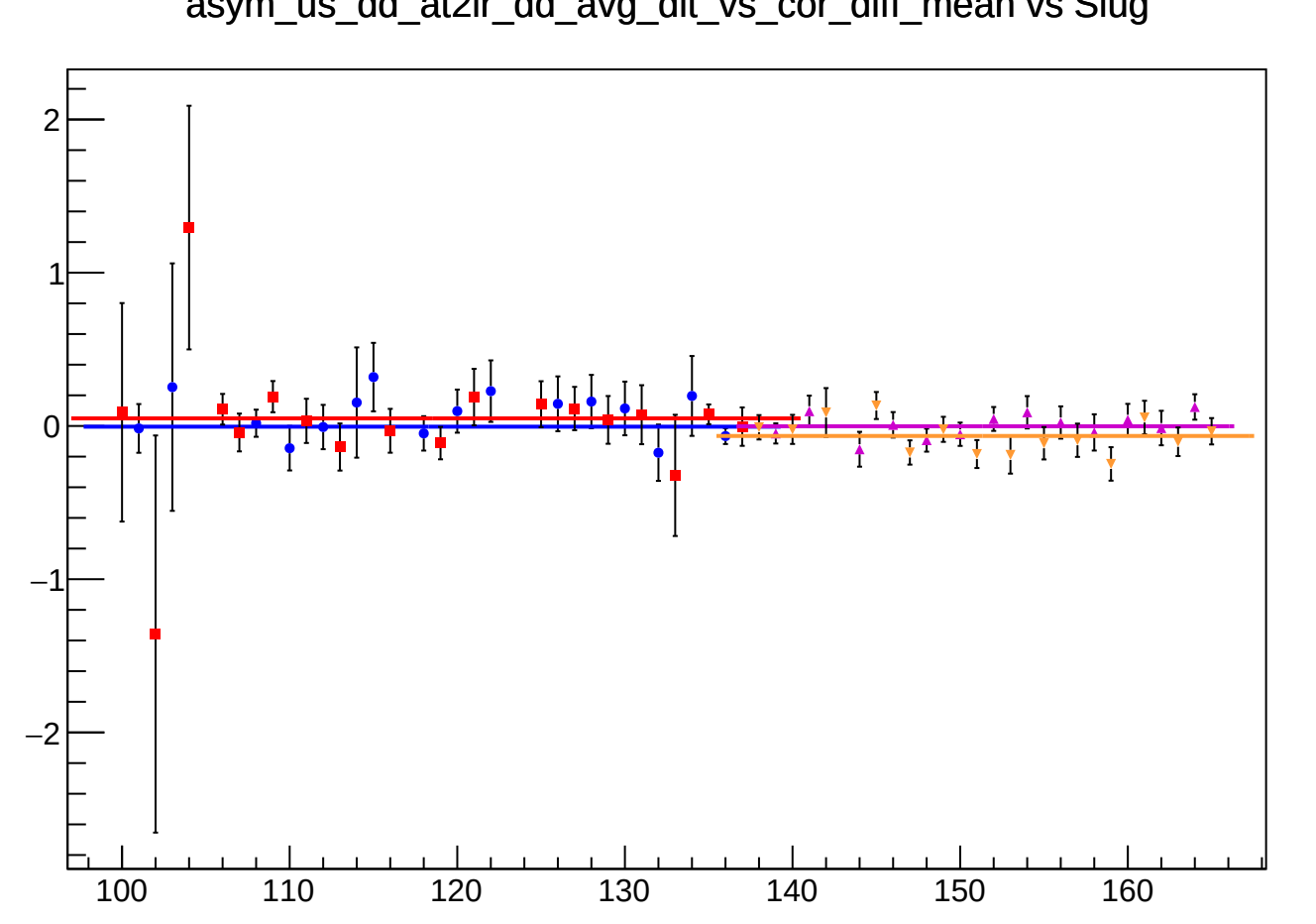
\+ sign 2815.844+/-0.472 χ^2/NDF: 784678.6/29

All: 2803.437+/-0.333 χ^2/NDF: 1616909.4/60

\- sign 2791.160+/-0.469 χ^2/NDF: 830855.1/30


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:5.8/13
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:19.2/12
+ sign 0.000+/-0.000 χ²/NDF: 20.5/29
All: 0.000+/-0.000 χ²/NDF: 53.9/60
- sign -0.000+/-0.000 χ²/NDF: 33.2/30


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2227887.7/15
Left Out: 0.000+/-0.000 χ²/NDF:960312.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 2086696.1/17
Left In: 0.000+/-0.000 χ²/NDF:1952474.9/12
+ sign 0.000+/-0.000 χ²/NDF: 3668953.4/29
All: 0.000+/-0.000 χ²/NDF: 9478675.8/60
- sign 0.000+/-0.000 χ²/NDF: 5496658.8/30



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

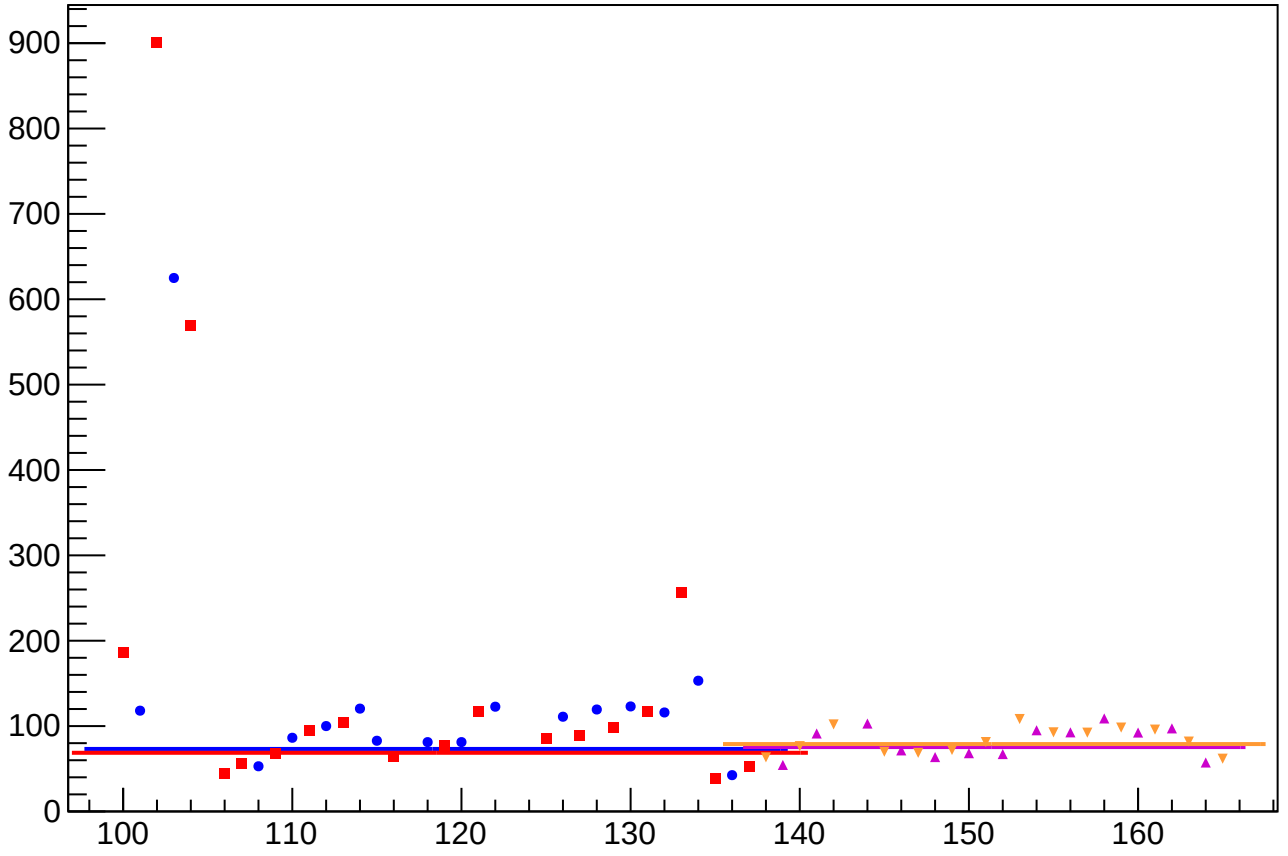
Left In: -0.002+/-0.025 χ^2/NDF:8.9/12

+ sign -0.042+/-0.020 χ^2/NDF: 28.6/29

All: -0.011+/-0.014 χ^2/NDF: 56.7/60

- sign 0.018+/-0.019 χ^2/NDF: 23.6/30

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 78.946+/-0.018 χ^2/NDF:561819.2/13

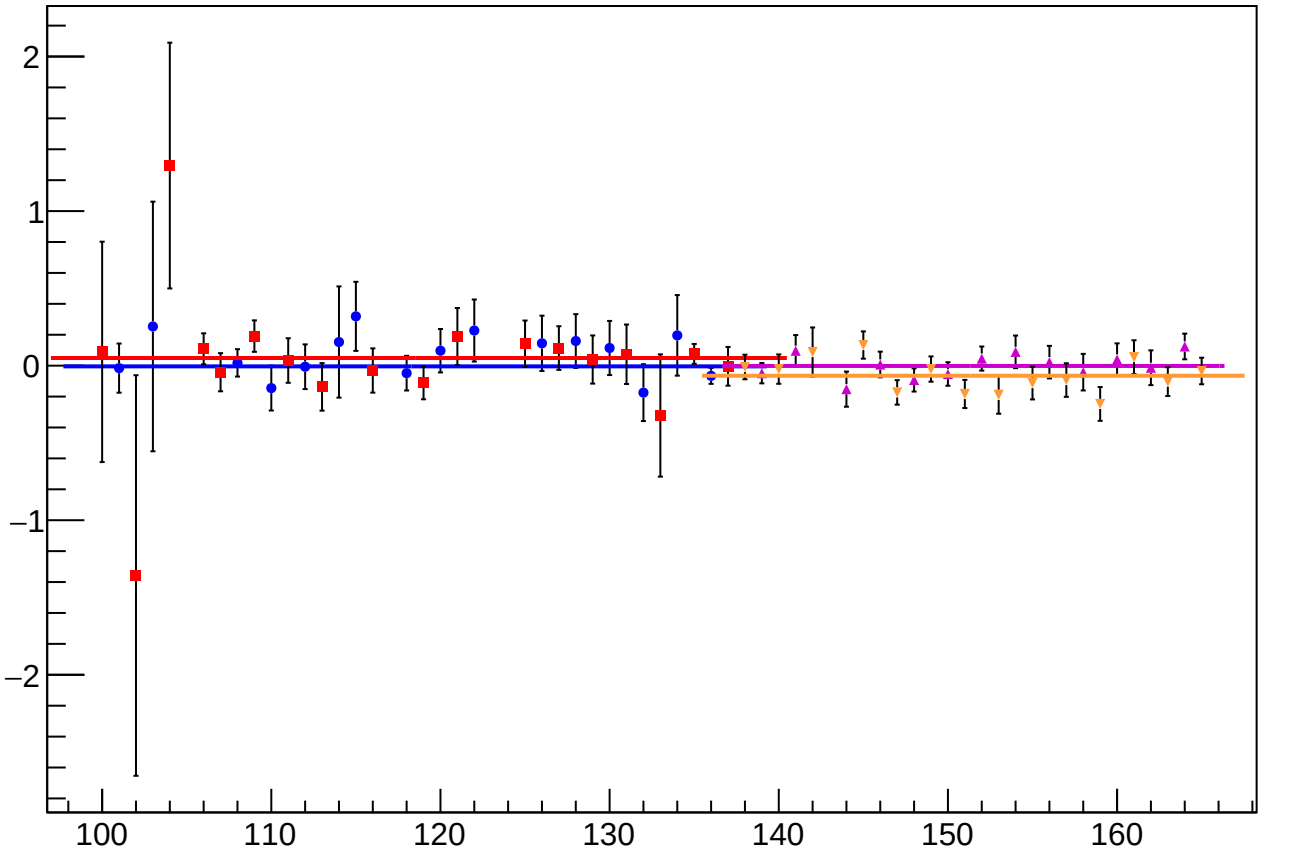
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 75.426+/-0.017 χ^2/NDF:970728.0/12

+ sign 76.737+/-0.014 χ^2/NDF: 3454943.8/29

All: 74.758+/-0.010 χ^2/NDF: 7851020.7/60

- sign 72.885+/-0.014 χ^2/NDF: 4358125.4/30



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.026 χ^2/NDF:16.1/13

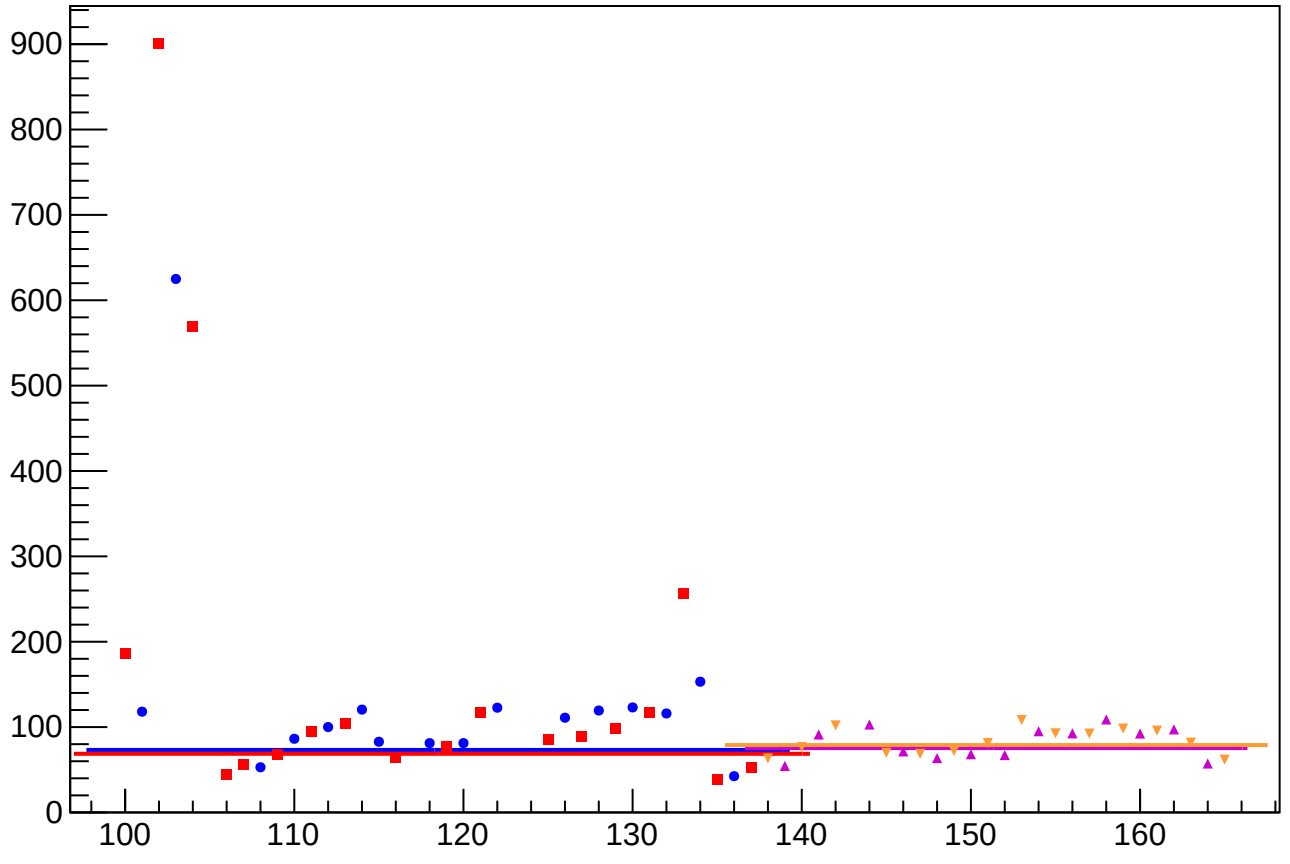
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.002+/-0.025 χ^2/NDF:8.9/12

+ sign -0.042+/-0.020 χ^2/NDF: 28.6/29

All: -0.011+/-0.014 χ^2/NDF: 56.7/60

- sign 0.018+/-0.019 χ^2/NDF: 23.6/30



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 78.946+/-0.018 χ^2/NDF:561819.2/13

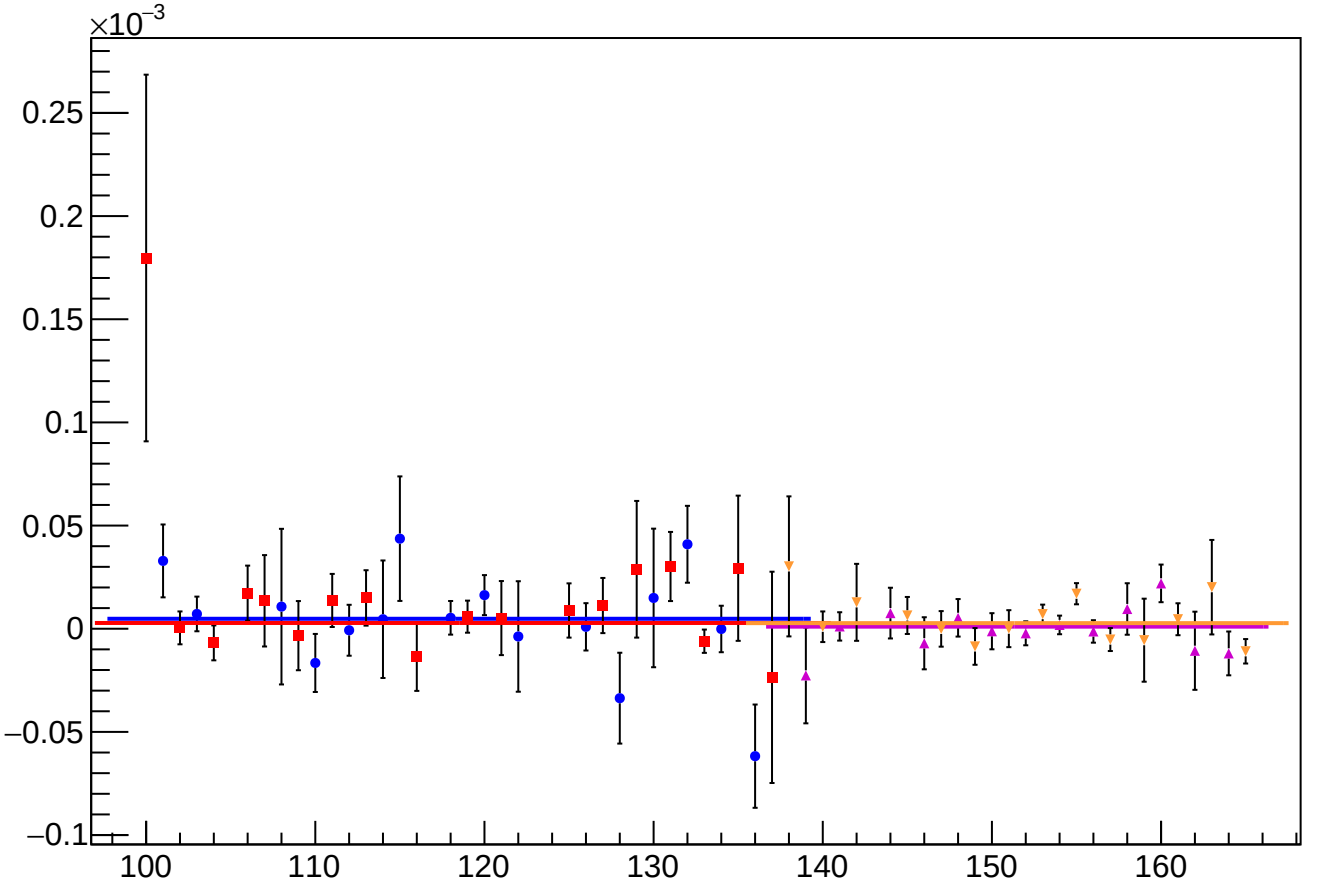
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 75.426+/-0.017 χ^2/NDF:970728.0/12

+ sign 76.737+/-0.014 χ^2/NDF: 3454943.8/29

All: 74.758+/-0.010 χ^2/NDF: 7851020.7/60

- sign 72.885+/-0.014 χ^2/NDF: 4358125.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/13

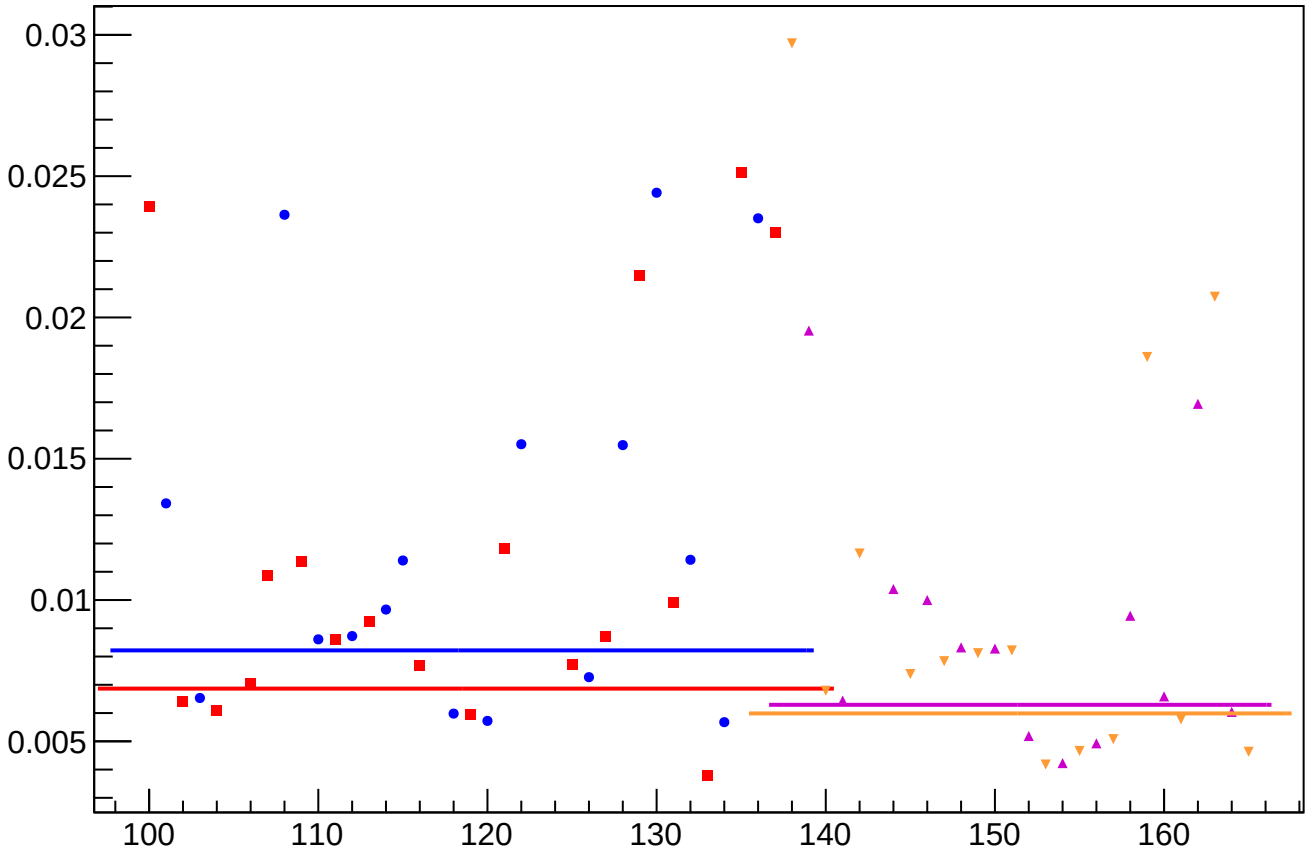
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 42.6/29

All: 0.000+/-0.000 χ^2/NDF: 70.2/60

- sign 0.000+/-0.000 χ^2/NDF: 27.2/30



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:3781571.9/13

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

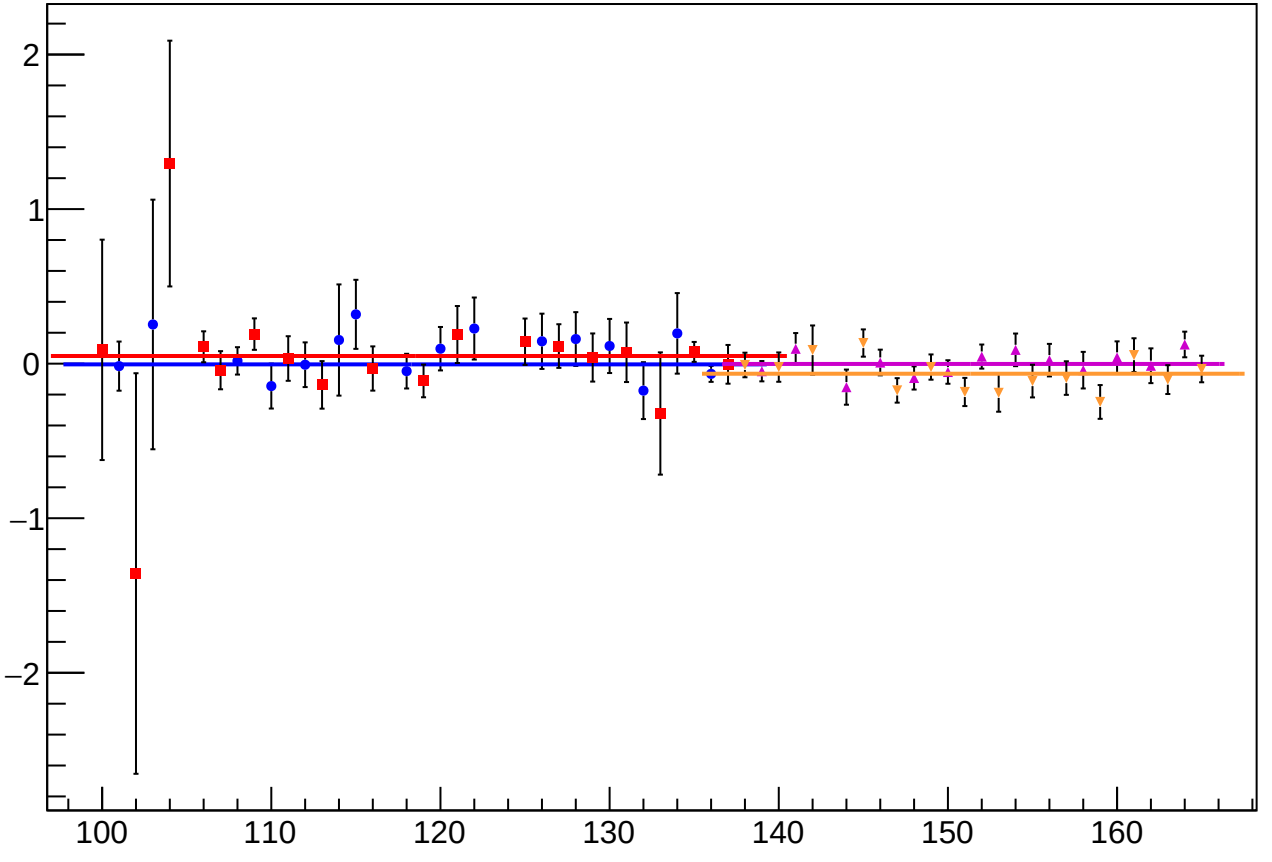
Left In: 0.006+/-0.000 χ^2/NDF:2627786.4/12

+ sign 0.007+/-0.000 χ^2/NDF: 7045831.8/29

All: 0.007+/-0.000 χ^2/NDF: 12151581.7/60

- sign 0.007+/-0.000 χ^2/NDF: 5105054.6/30

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: -0.065+/-0.026 χ^2/NDF:16.1/13

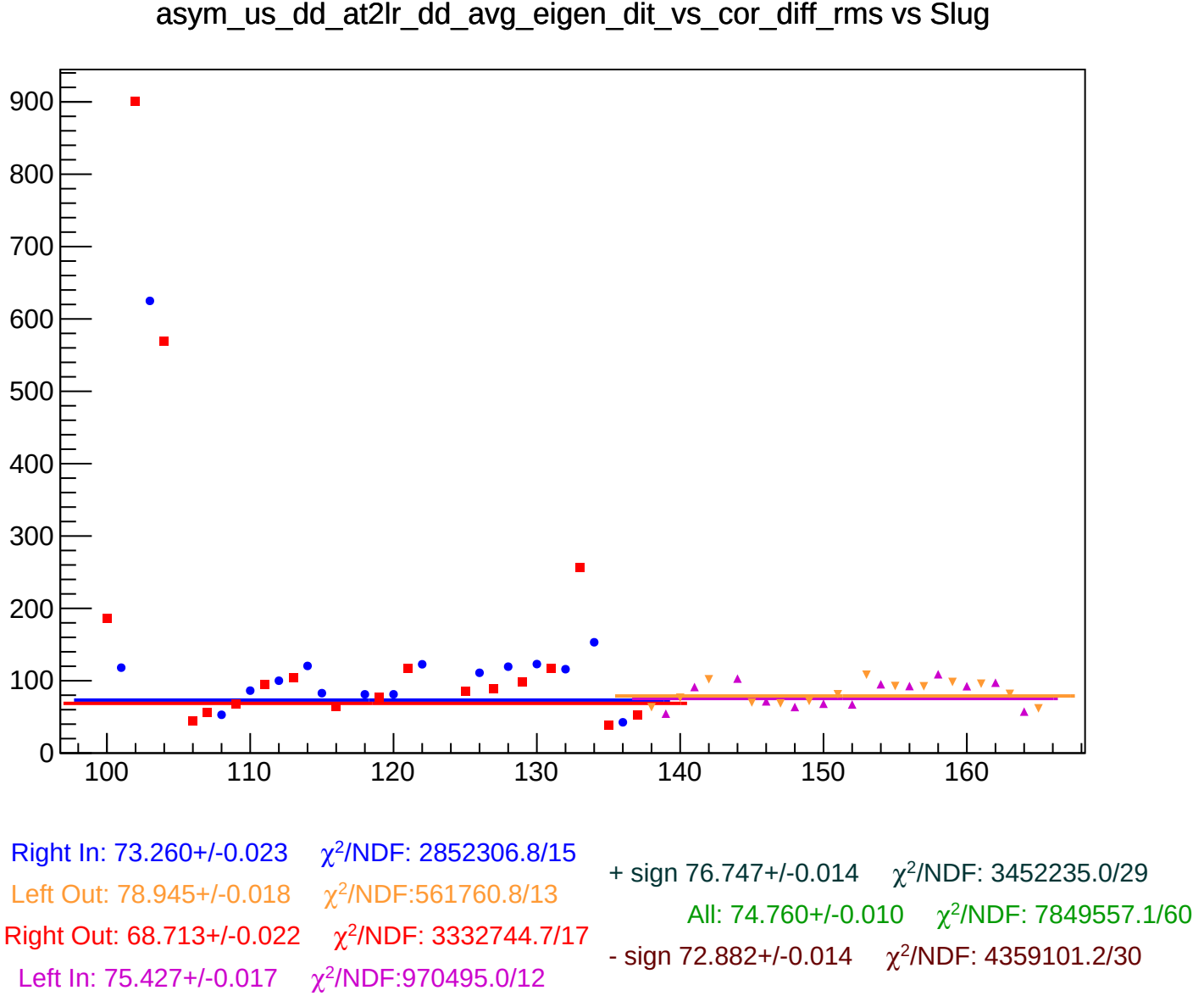
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.002+/-0.025 χ^2/NDF:8.9/12

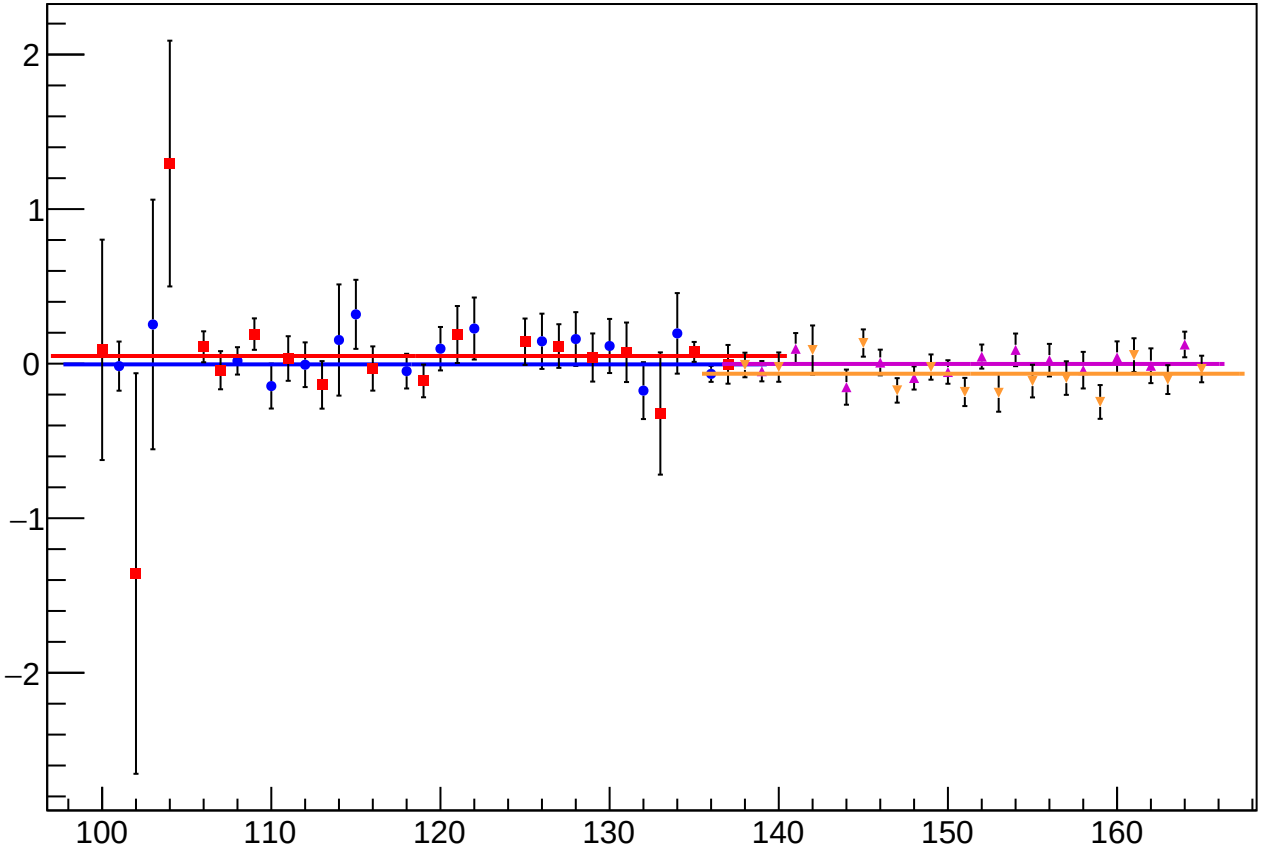
+ sign -0.042+/-0.020 χ^2/NDF: 28.6/29

All: -0.011+/-0.014 χ^2/NDF: 56.7/60

- sign 0.018+/-0.019 χ^2/NDF: 23.6/30


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 78.945+/-0.018 χ²/NDF:561760.8/13
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 75.427+/-0.017 χ²/NDF:970495.0/12
+ sign 76.747+/-0.014 χ²/NDF: 3452235.0/29
All: 74.760+/-0.010 χ²/NDF: 7849557.1/60
- sign 72.882+/-0.014 χ²/NDF: 4359101.2/30

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.026 χ^2/NDF:16.1/13

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

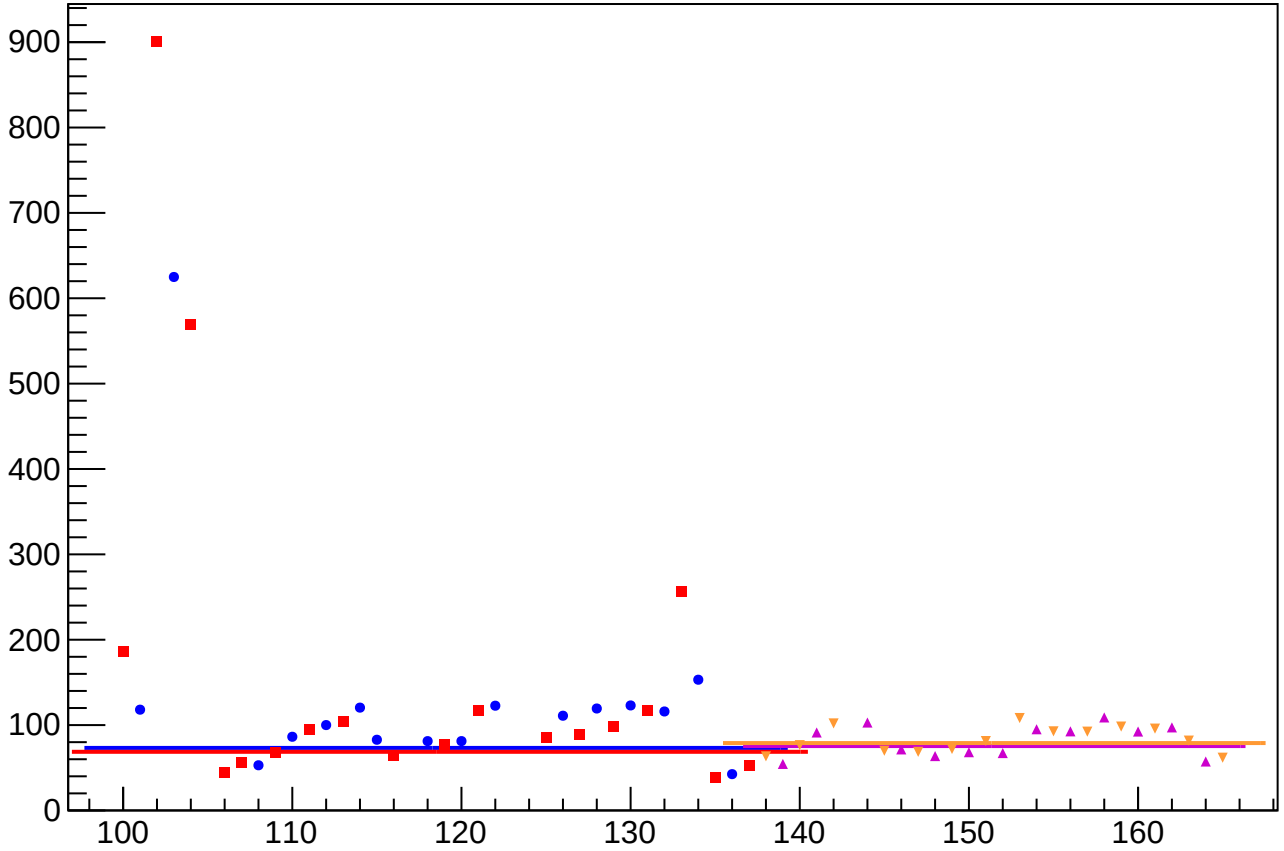
Left In: -0.002+/-0.025 χ^2/NDF:8.9/12

+ sign -0.042+/-0.020 χ^2/NDF: 28.6/29

All: -0.011+/-0.014 χ^2/NDF: 56.7/60

- sign 0.018+/-0.019 χ^2/NDF: 23.6/30

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 78.945+/-0.018 χ^2/NDF:561760.8/13

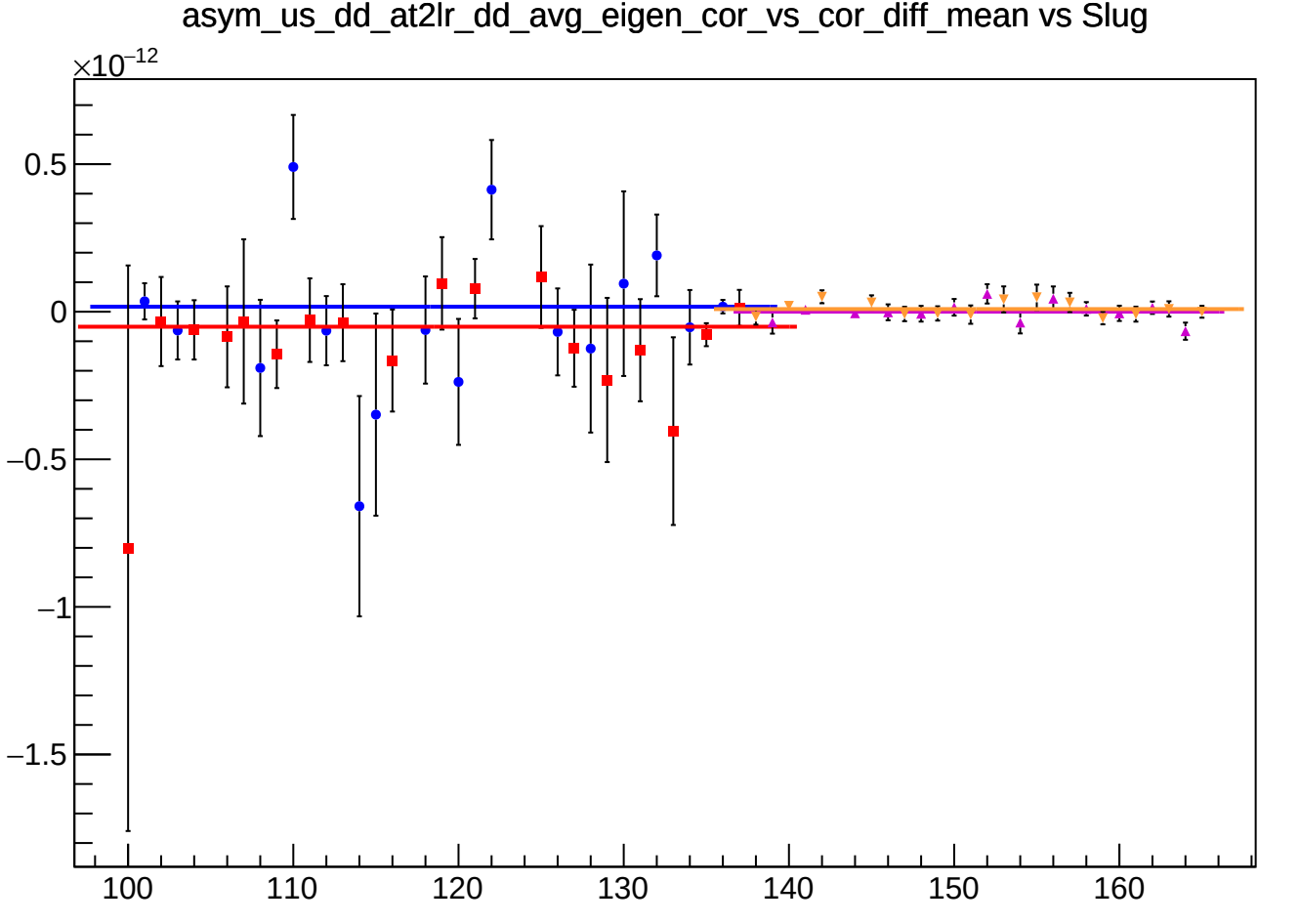
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 75.427+/-0.017 χ^2/NDF:970495.0/12

+ sign 76.747+/-0.014 χ^2/NDF: 3452235.0/29

All: 74.760+/-0.010 χ^2/NDF: 7849557.1/60

- sign 72.882+/-0.014 χ^2/NDF: 4359101.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/13

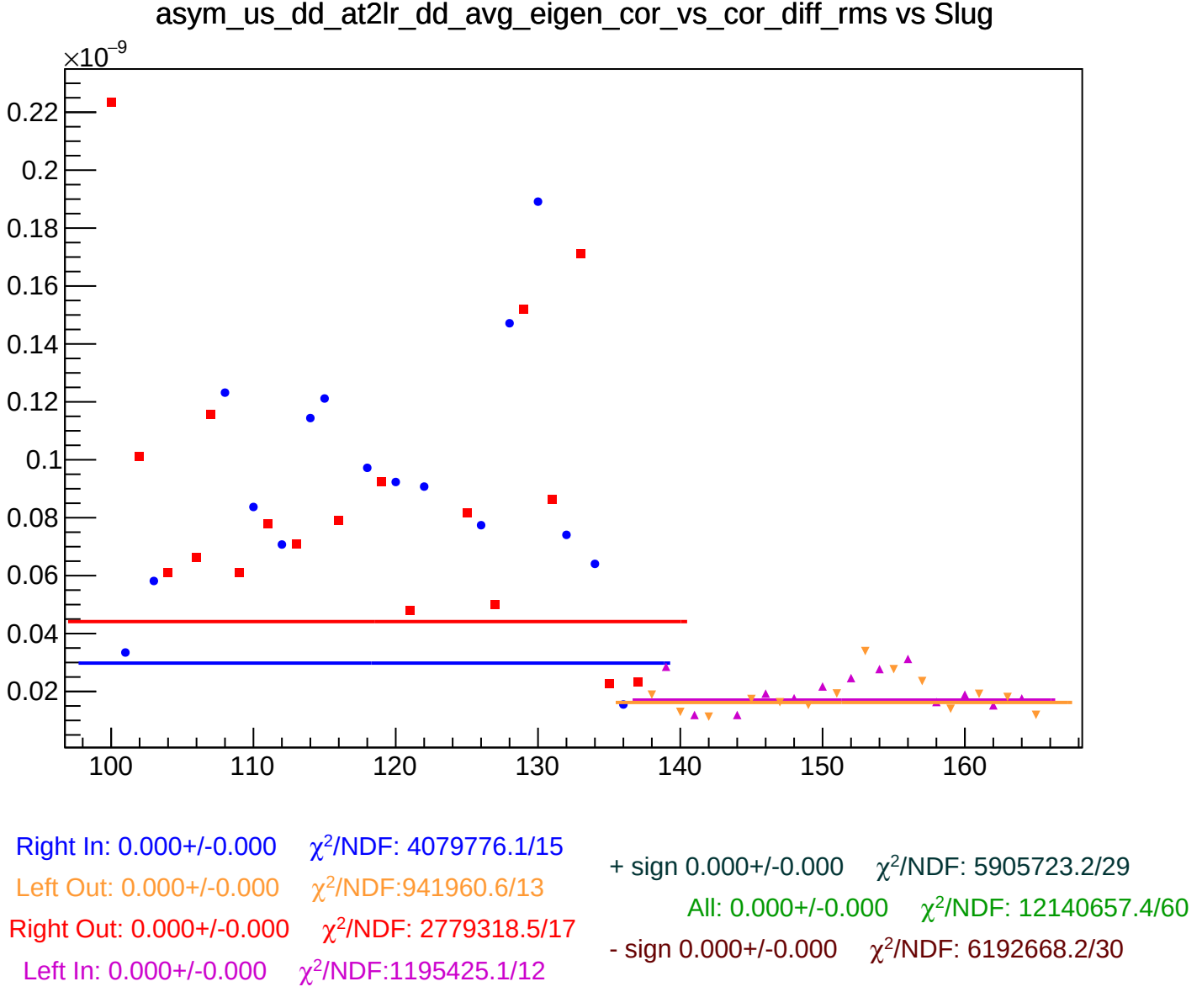
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:12.9/12

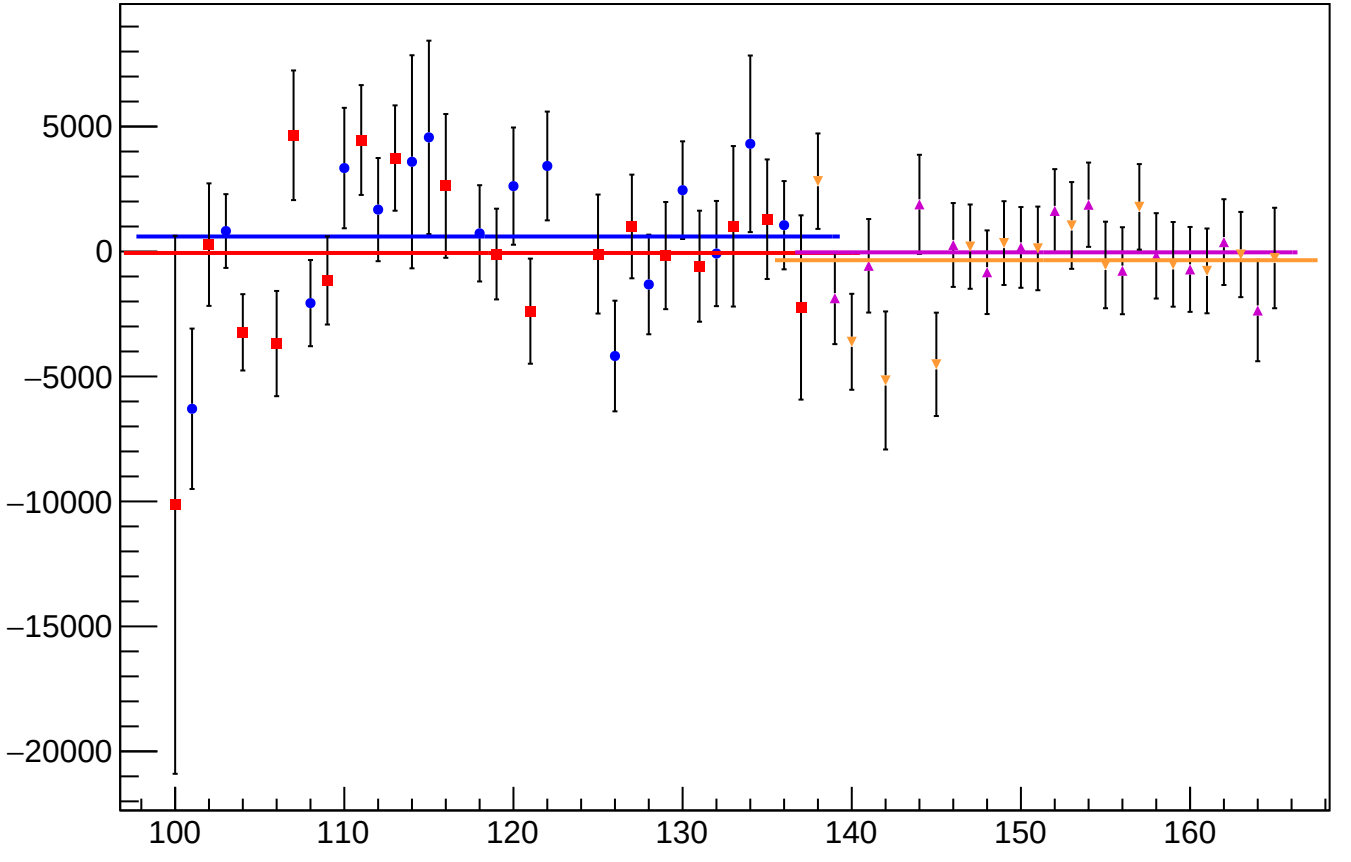
+ sign 0.000+/-0.000 χ^2/NDF: 35.1/29

All: 0.000+/-0.000 χ^2/NDF: 63.1/60

- sign -0.000+/-0.000 χ^2/NDF: 25.9/30


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:941960.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1195425.1/12
+ sign 0.000+/-0.000 χ²/NDF: 5905723.2/29
All: 0.000+/-0.000 χ²/NDF: 12140657.4/60
- sign 0.000+/-0.000 χ²/NDF: 6192668.2/30

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -348.527+/-483.970 χ^2/NDF:15.4/13

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

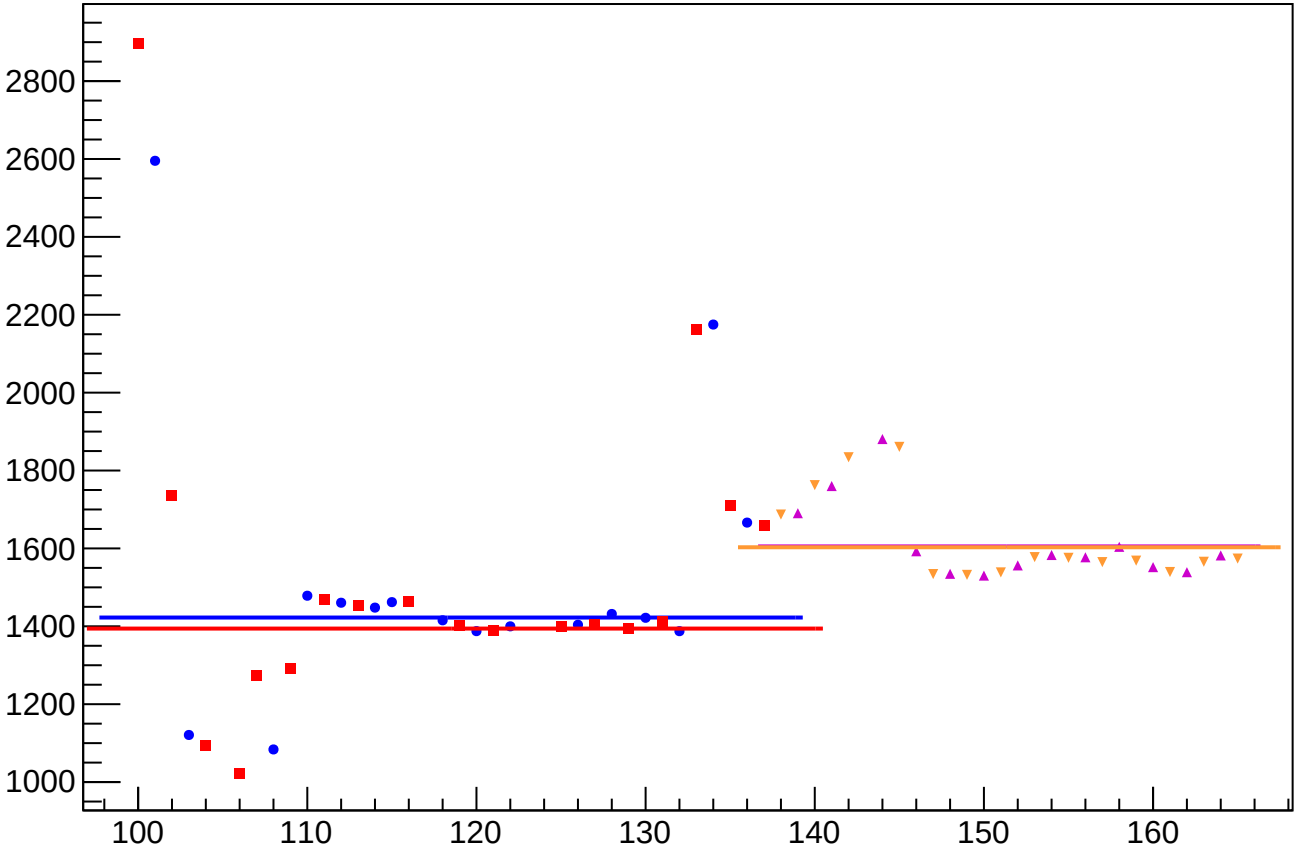
Left In: -33.984+/-485.473 χ^2/NDF:6.3/12

+ sign 74.008+/-360.421 χ^2/NDF: 37.4/29

All: 13.893+/-254.015 χ^2/NDF: 66.3/60

- sign -45.434+/-358.053 χ^2/NDF: 28.8/30

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1602.937+/-0.342 χ^2/NDF:79559.1/13

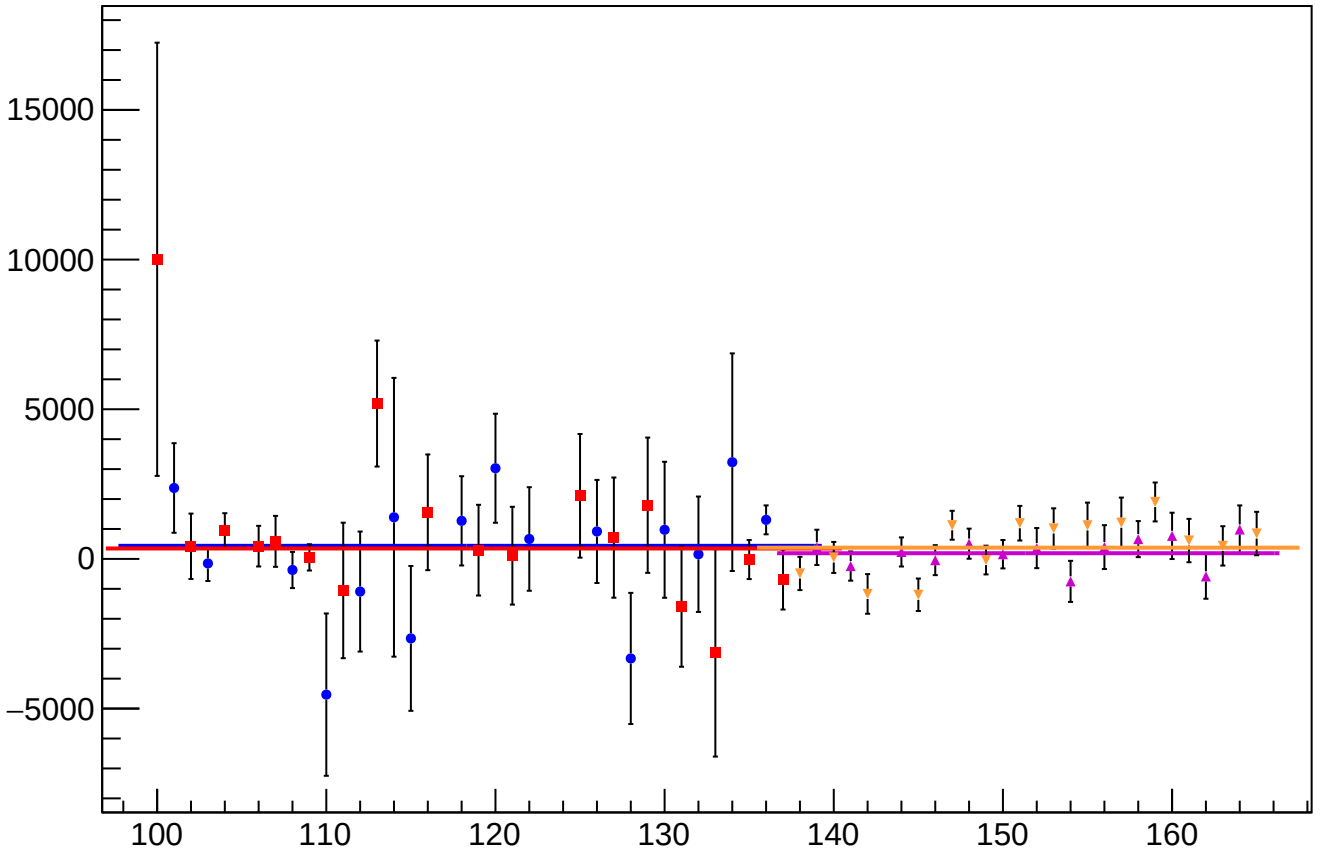
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

+ sign 1522.577+/-0.255 χ^2/NDF: 763618.0/29

All: 1515.724+/-0.180 χ^2/NDF: 1403480.5/60

- sign 1508.961+/-0.253 χ^2/NDF: 638425.8/30



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 375.658+/-161.975 χ^2/NDF:30.7/13

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

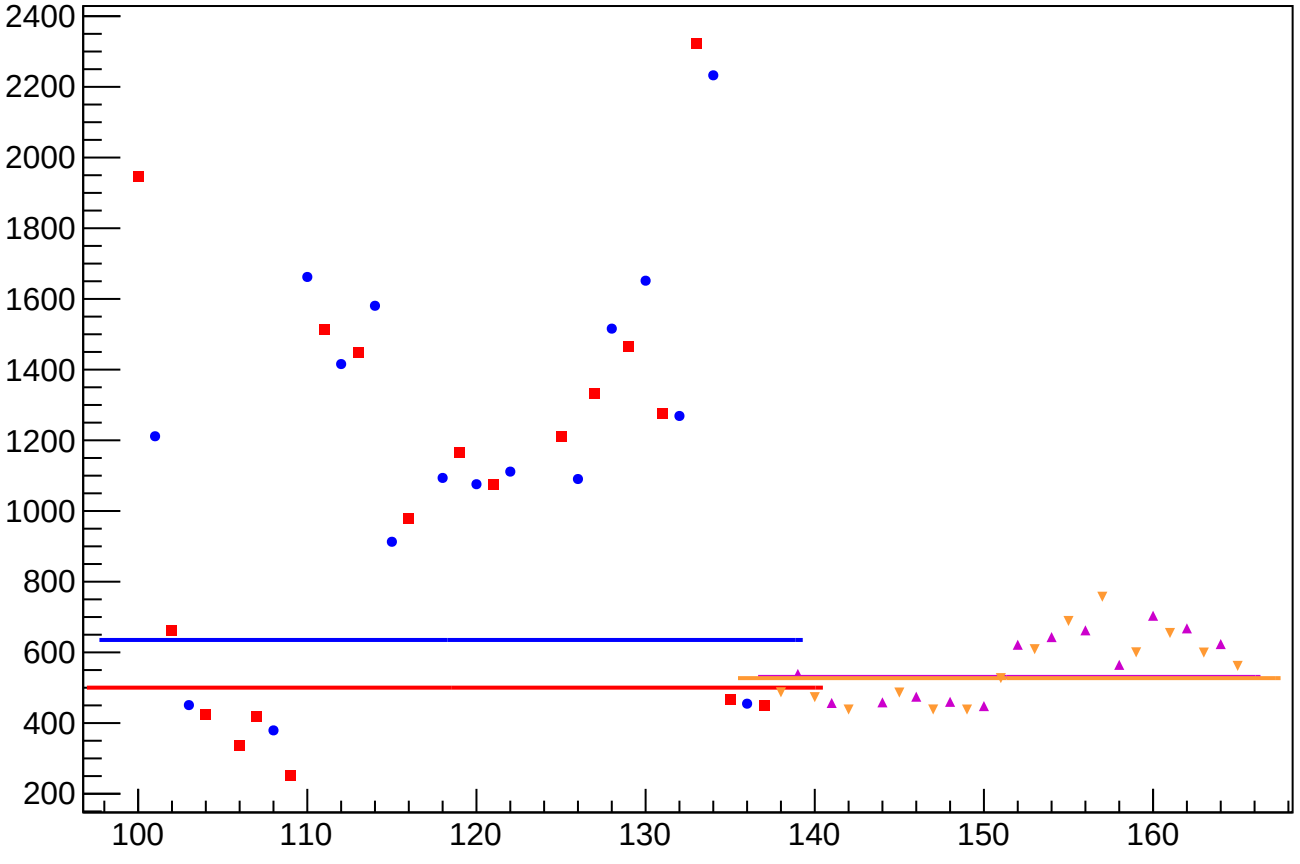
Left In: 190.009+/-162.873 χ^2/NDF:6.8/12

\+ sign 391.254+/-139.685 χ^2/NDF: 50.1/29

All: 313.235+/-96.561 χ^2/NDF: 71.7/60

\- sign 241.832+/-133.632 χ^2/NDF: 21.0/30

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: 527.138+/-0.115 χ^2/NDF:602680.3/13

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

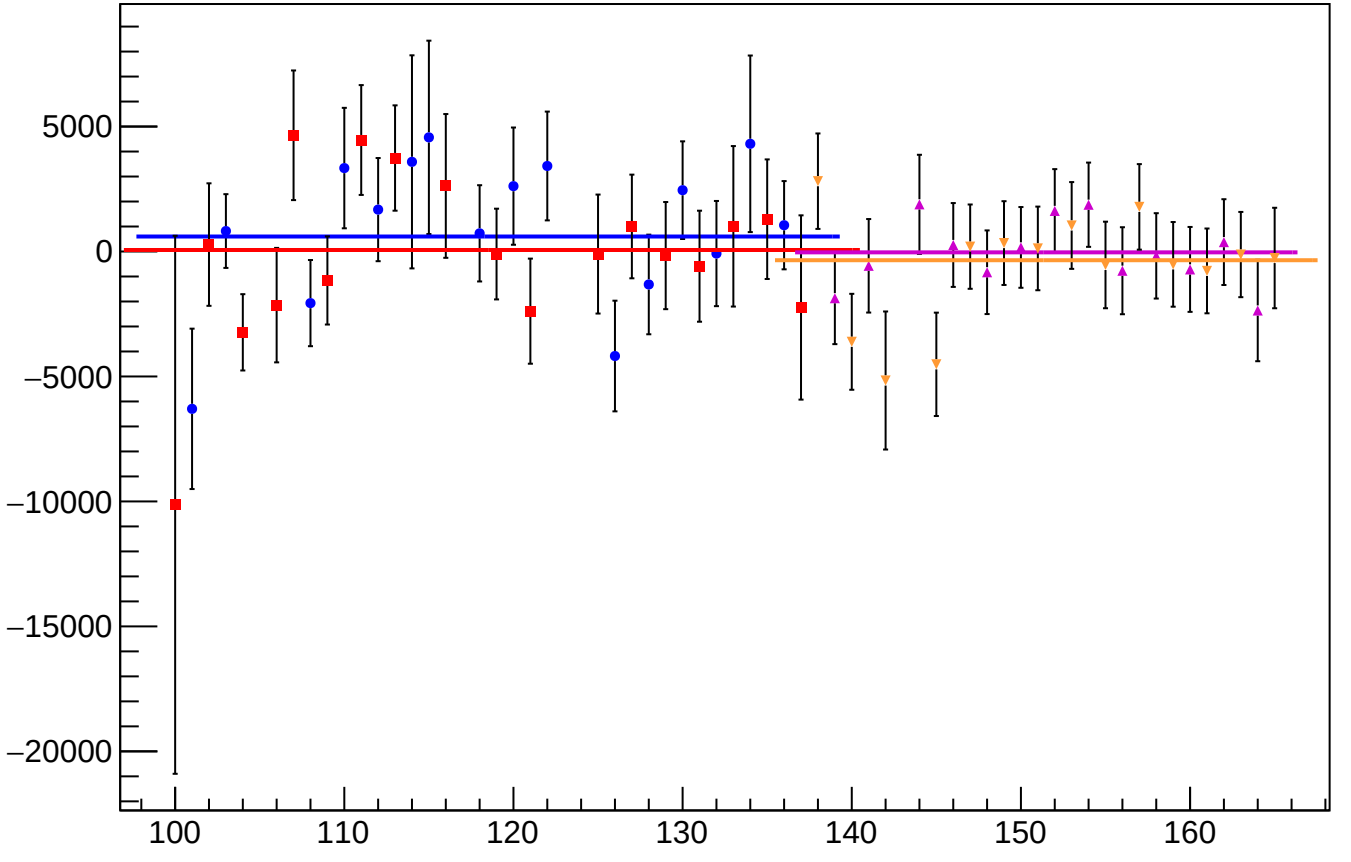
Left In: 530.639+/-0.115 χ^2/NDF:571198.1/12

+ sign 554.817+/-0.099 χ^2/NDF: 4583138.9/29

All: 537.004+/-0.068 χ^2/NDF: 9548507.6/60

- sign 520.701+/-0.094 χ^2/NDF: 4903075.8/30

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -348.665+/-483.970 χ^2/NDF:15.4/13

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

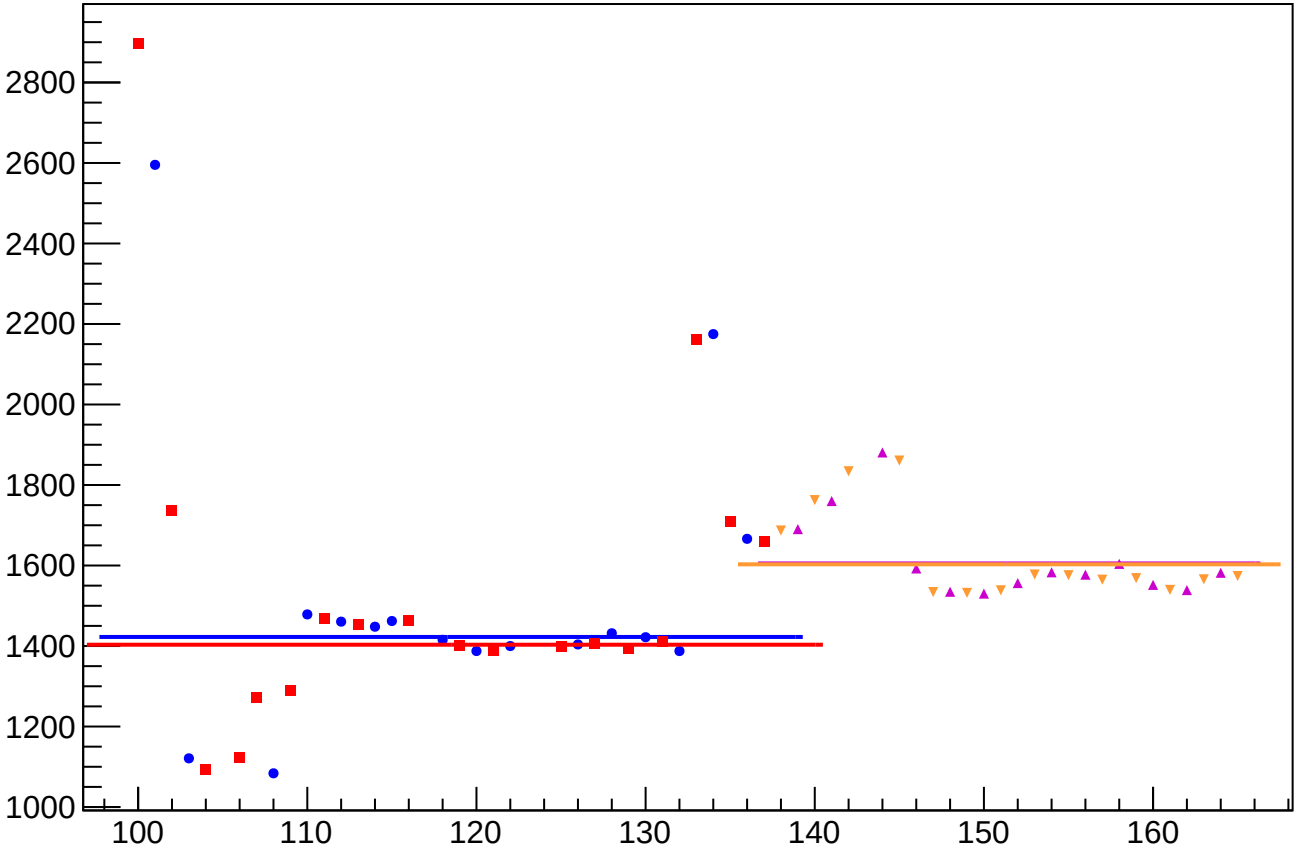
Left In: -33.959+/-485.473 χ^2/NDF:6.3/12

+ sign 73.875+/-360.421 χ^2/NDF: 37.4/29

All: 41.208+/-254.301 χ^2/NDF: 64.1/60

- sign 8.824+/-358.857 χ^2/NDF: 26.7/30

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1602.937+/-0.342 χ^2/NDF:79559.1/13

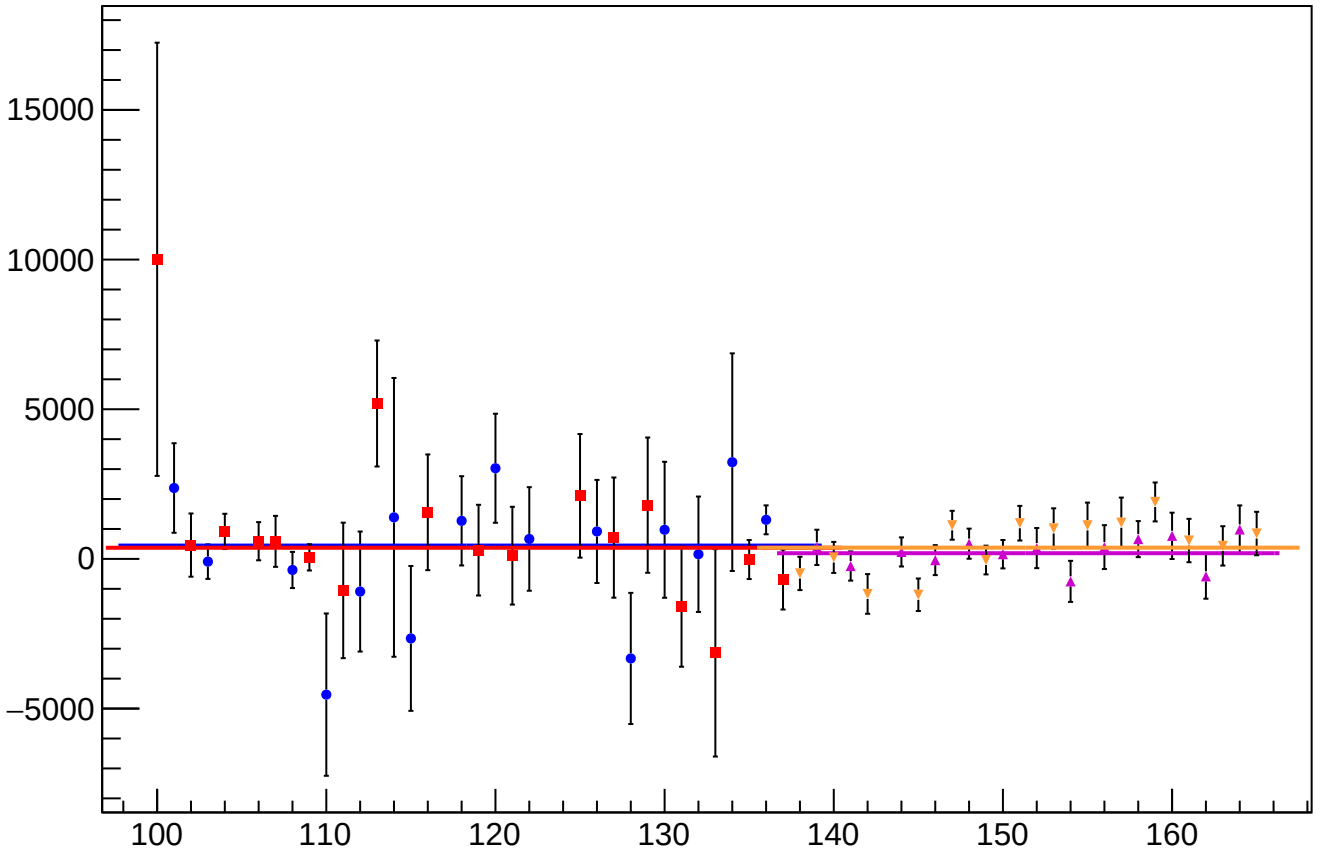
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

+ sign 1522.577+/-0.255 χ^2/NDF: 763618.3/29

All: 1518.060+/-0.180 χ^2/NDF: 1352807.8/60

- sign 1513.582+/-0.254 χ^2/NDF: 588563.7/30



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 375.699+/-161.977 χ^2/NDF:30.7/13

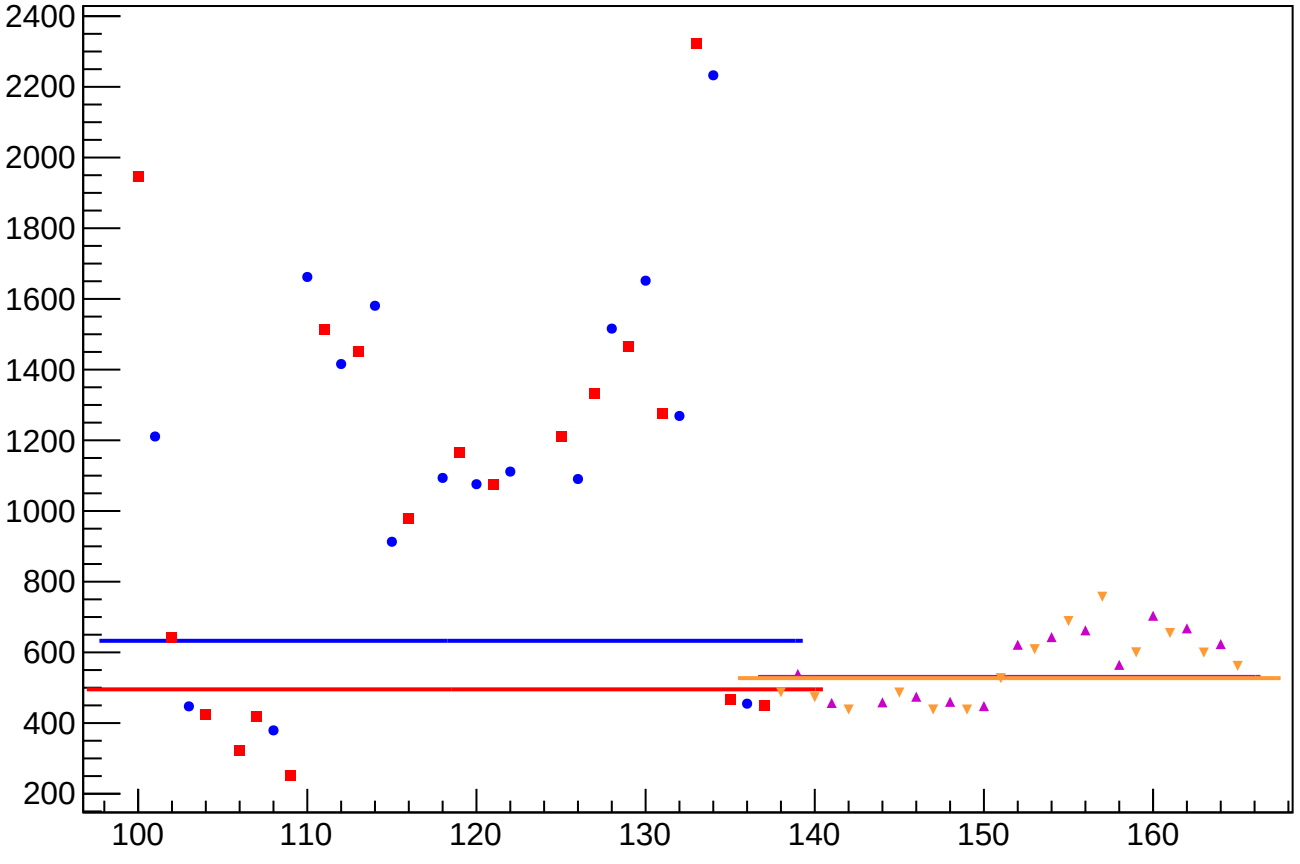
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 190.073+/-162.872 χ^2/NDF:6.7/12

\+ sign 393.606+/-139.532 χ^2/NDF: 50.0/29

All: 318.741+/-96.340 χ^2/NDF: 71.7/60

\- sign 250.538+/-133.179 χ^2/NDF: 21.2/30



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 527.145+/-0.115 χ^2/NDF:602570.1/13

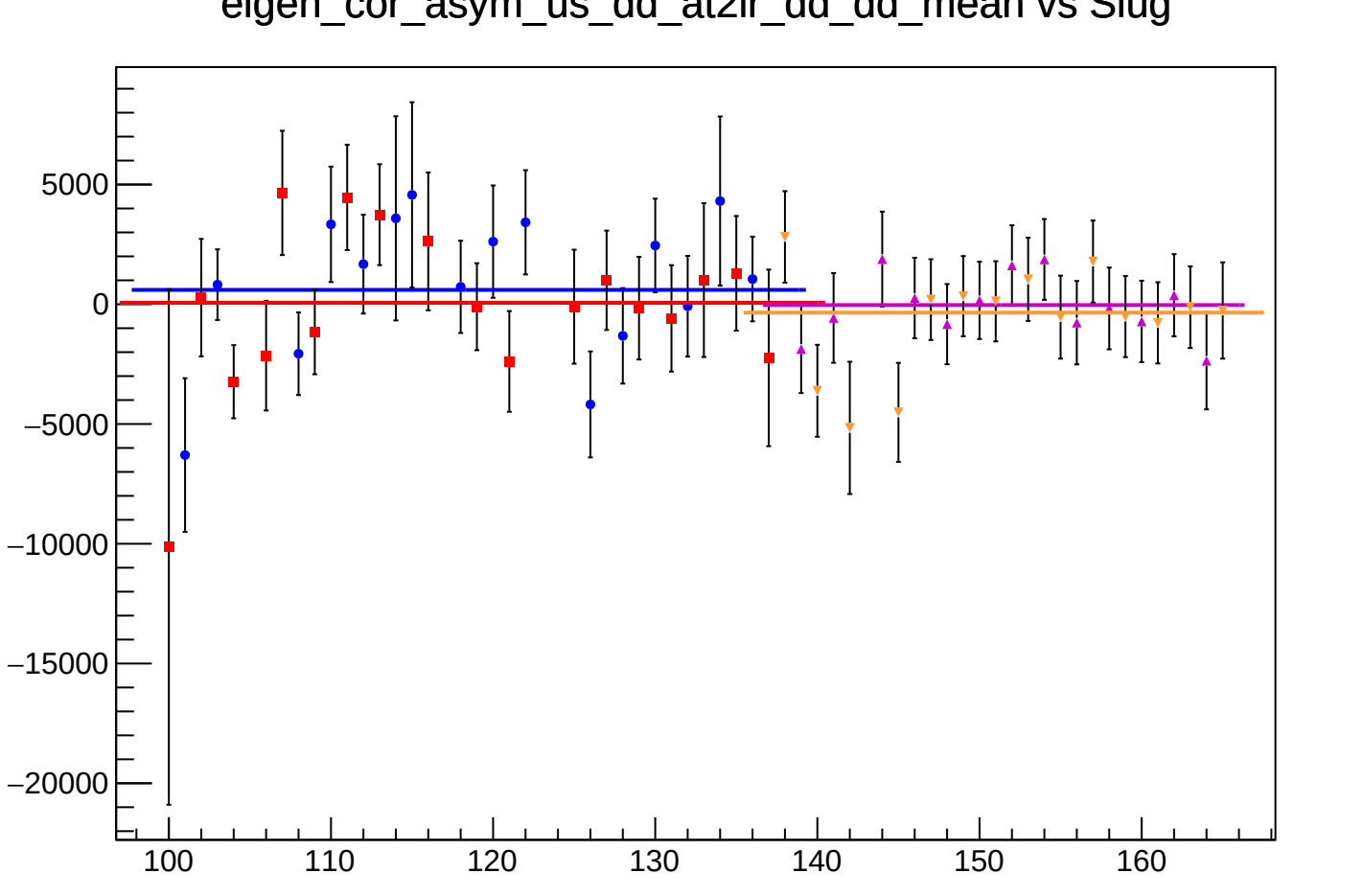
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 530.633+/-0.115 χ^2/NDF:571234.4/12

+ sign 554.386+/-0.099 χ^2/NDF: 4589594.2/29

All: 535.843+/-0.068 χ^2/NDF: 9596858.1/60

- sign 518.951+/-0.094 χ^2/NDF: 4939768.0/30



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -348.665+/-483.970 χ^2/NDF:15.4/13

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

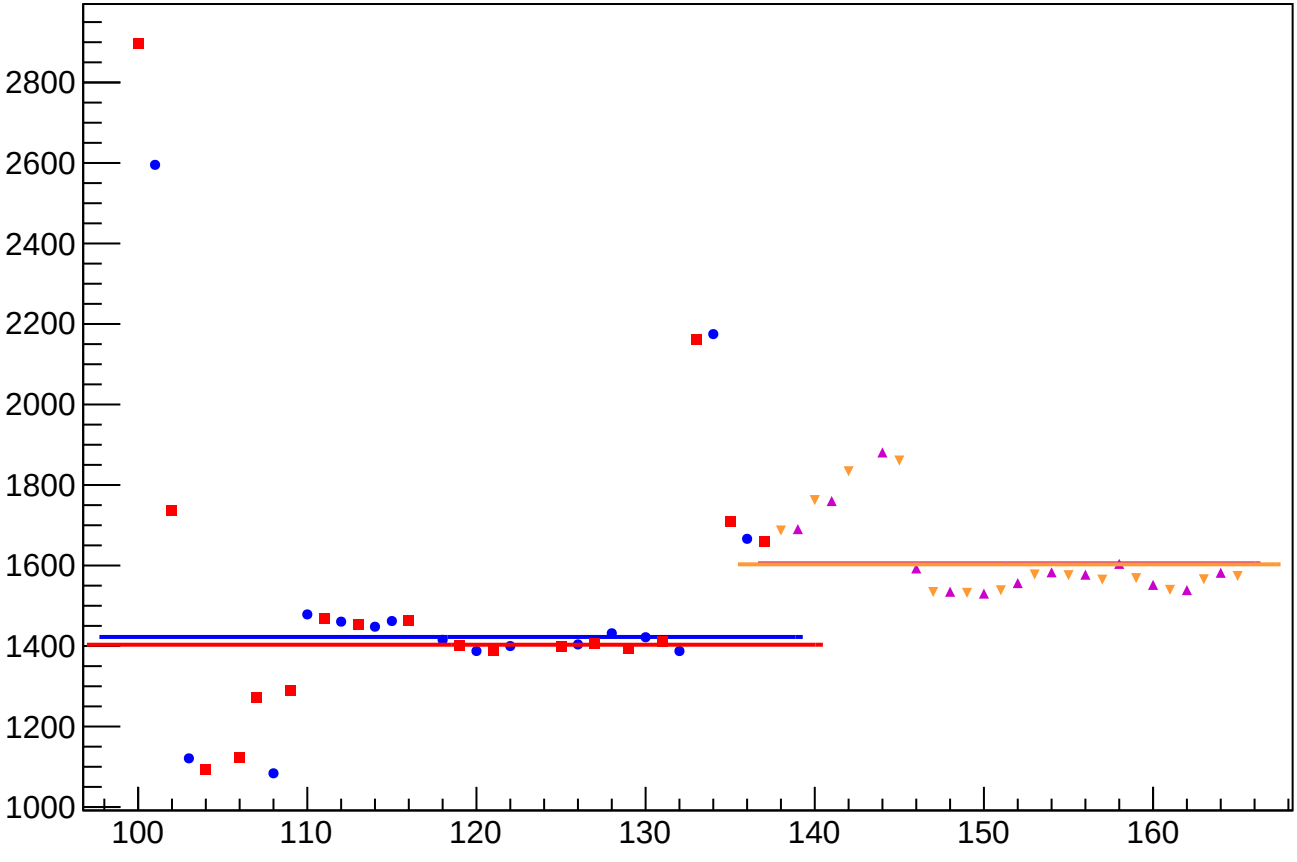
Left In: -33.959+/-485.473 χ^2/NDF:6.3/12

+ sign 73.875+/-360.421 χ^2/NDF: 37.4/29

All: 41.208+/-254.301 χ^2/NDF: 64.1/60

- sign 8.824+/-358.857 χ^2/NDF: 26.7/30

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: 1602.937+/-0.342 χ^2/NDF:79559.1/13

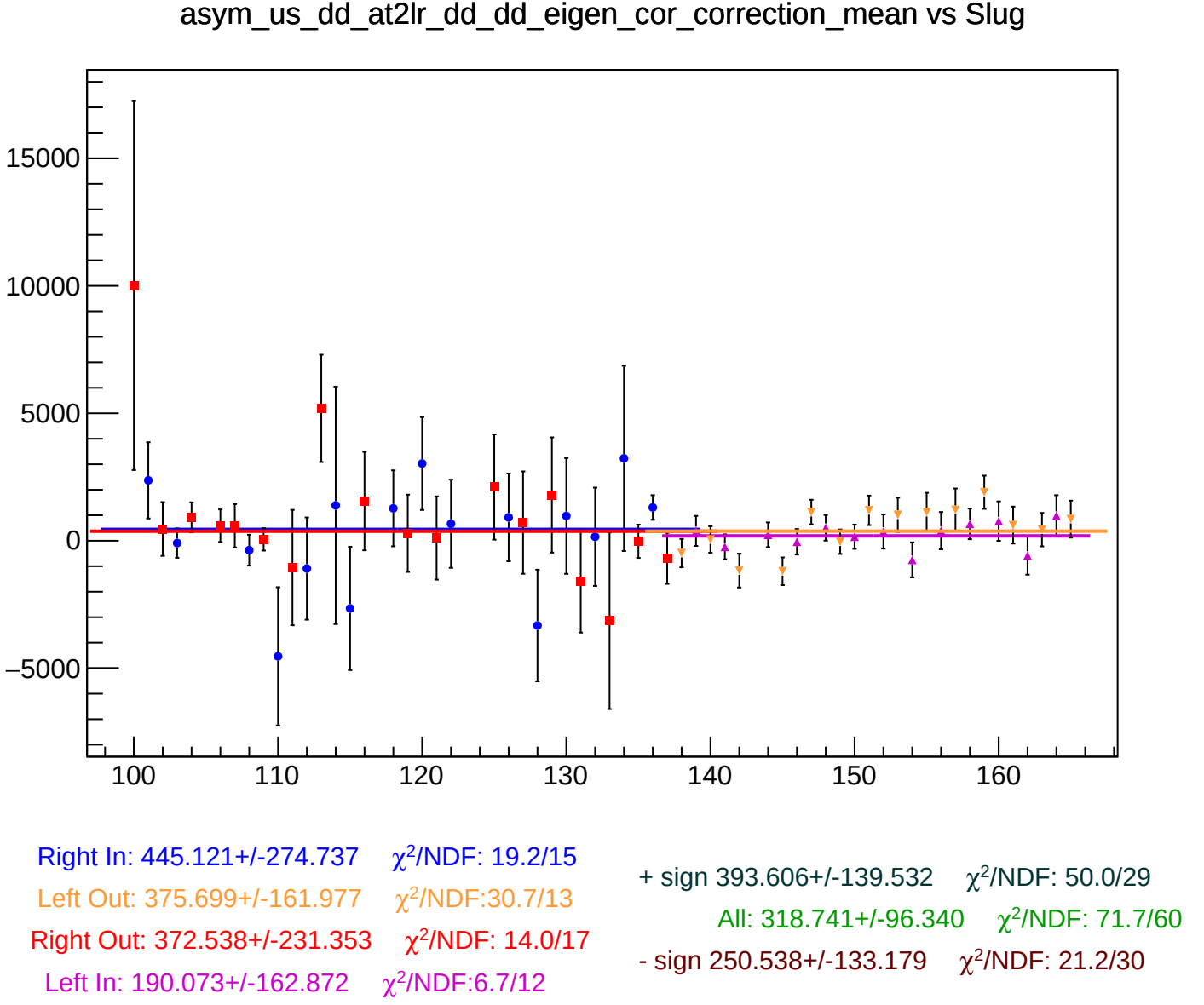
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

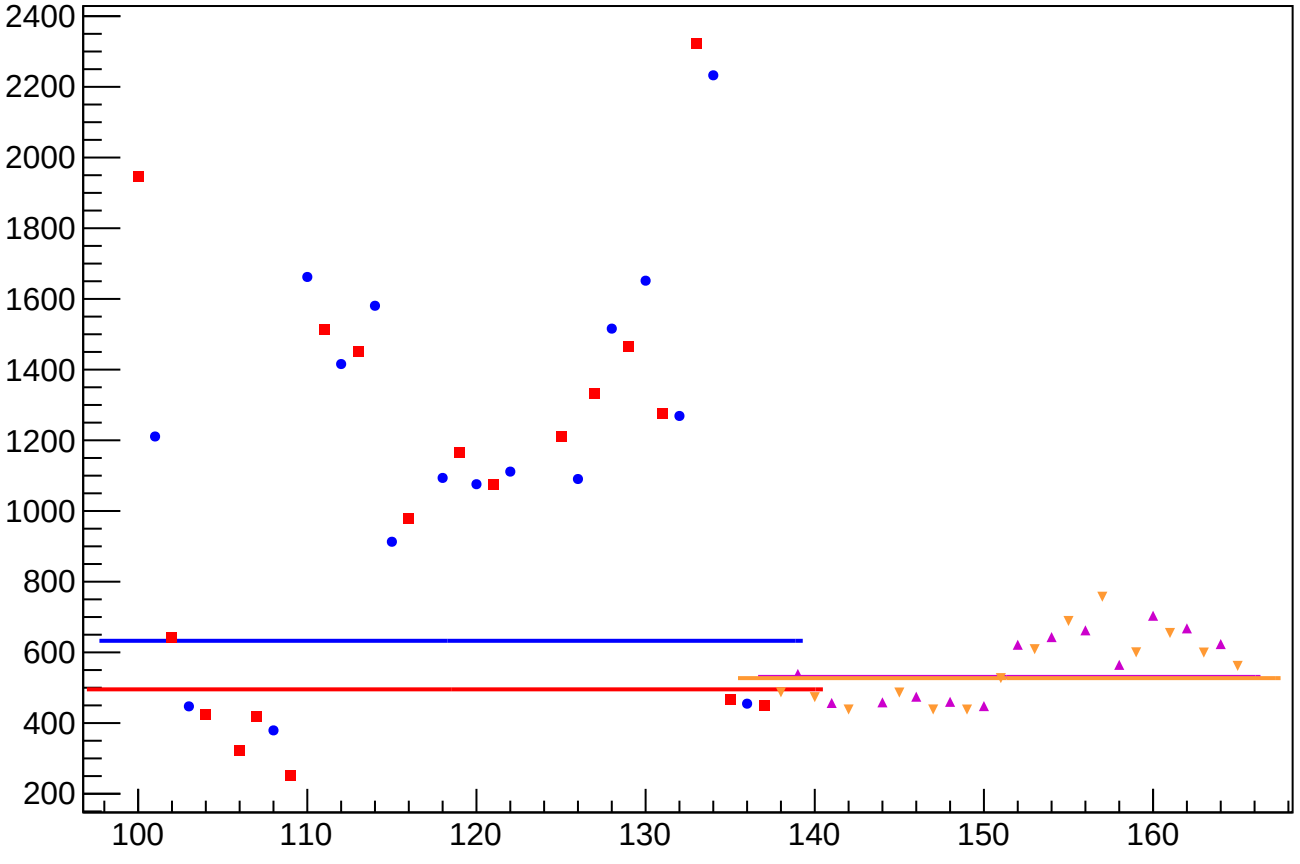
Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

+ sign 1522.577+/-0.255 χ^2/NDF: 763618.3/29

All: 1518.060+/-0.180 χ^2/NDF: 1352807.8/60

- sign 1513.582+/-0.254 χ^2/NDF: 588563.7/30


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: 375.699+/-161.977 χ²/NDF:30.7/13
Right Out: 372.538+/-231.353 χ²/NDF: 14.0/17
Left In: 190.073+/-162.872 χ²/NDF:6.7/12
+ sign 393.606+/-139.532 χ²/NDF: 50.0/29
All: 318.741+/-96.340 χ²/NDF: 71.7/60
- sign 250.538+/-133.179 χ²/NDF: 21.2/30



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 527.145+/-0.115 χ^2/NDF:602570.1/13

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

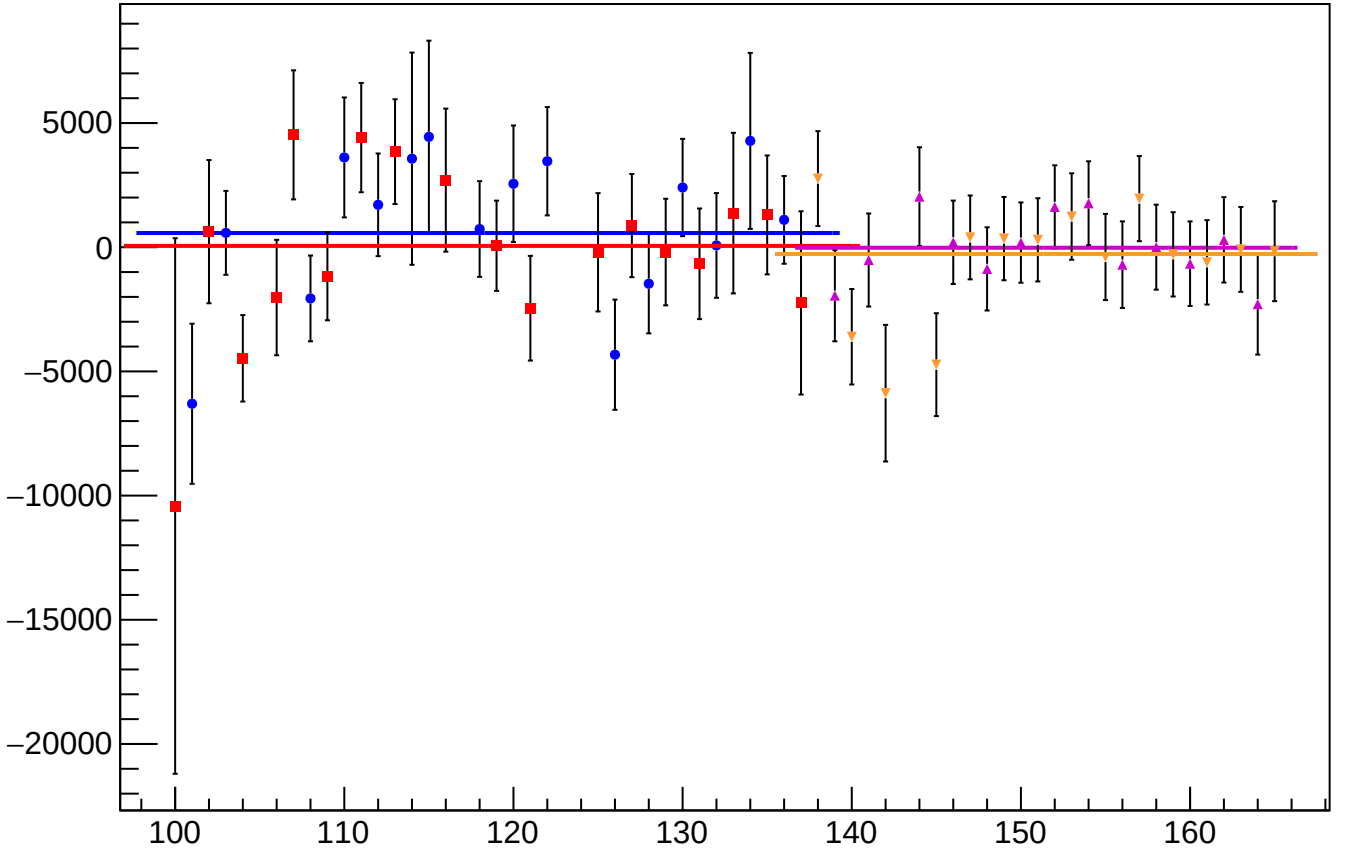
Left In: 530.633+/-0.115 χ^2/NDF:571234.4/12

+ sign 554.386+/-0.099 χ^2/NDF: 4589594.2/29

All: 535.843+/-0.068 χ^2/NDF: 9596858.1/60

- sign 518.951+/-0.094 χ^2/NDF: 4939768.0/30

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -273.675+/-484.565 χ^2/NDF:17.2/13

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

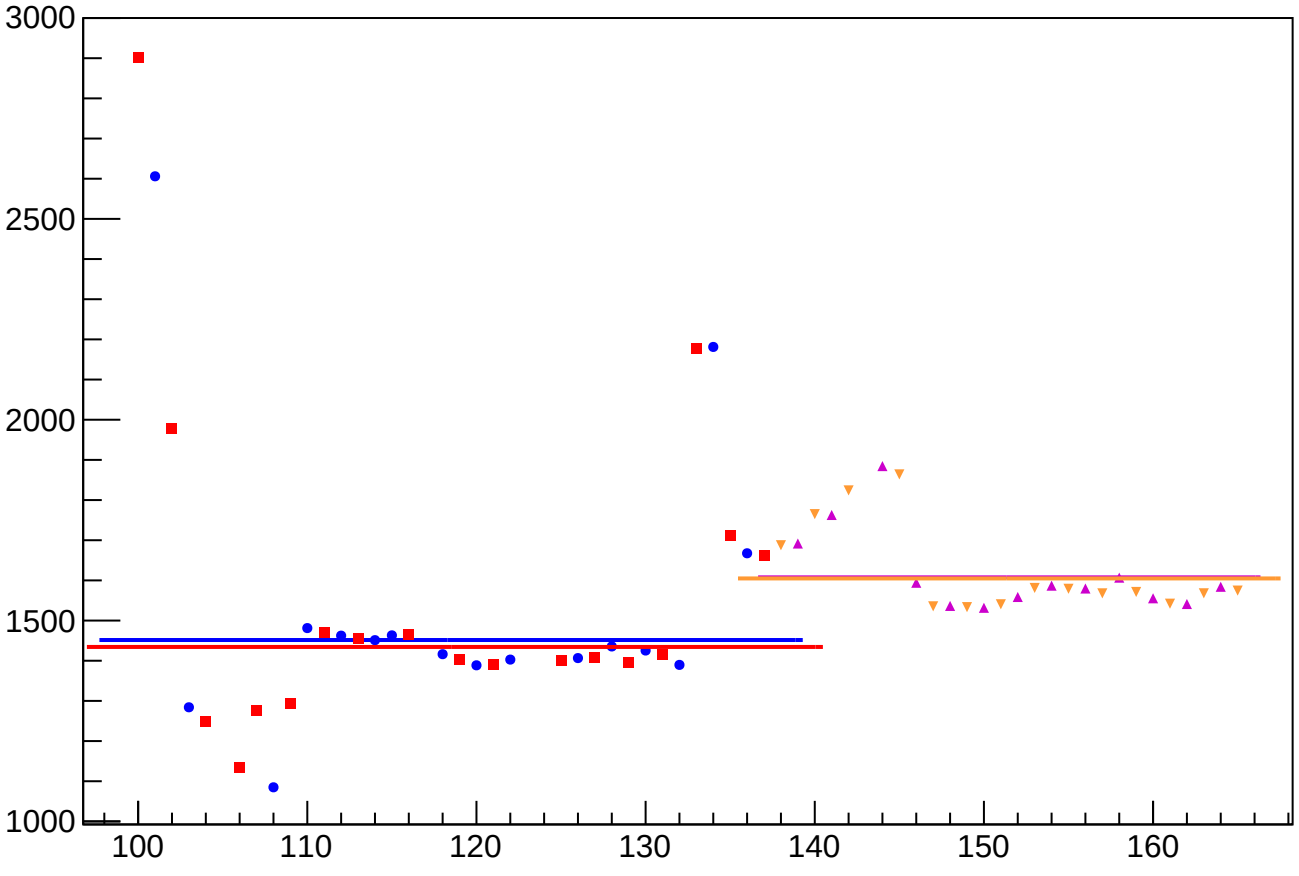
Left In: -20.900+/-486.208 χ^2/NDF:6.2/12

+ sign 96.288+/-363.479 χ^2/NDF: 39.3/29

All: 54.159+/-256.820 χ^2/NDF: 68.1/60

- sign 12.161+/-362.917 χ^2/NDF: 28.7/30

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1604.879+/-0.343 χ^2/NDF:78220.7/13

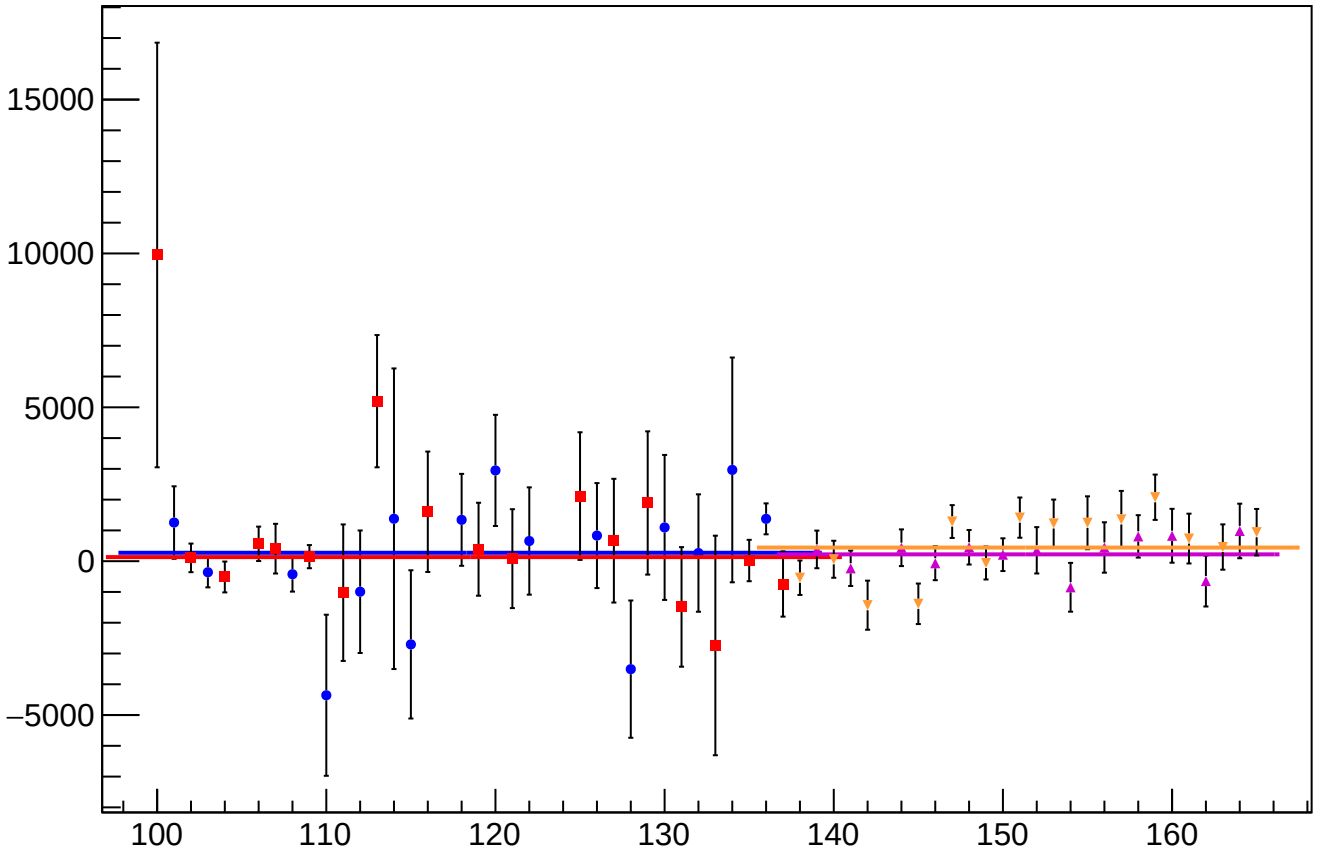
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1607.615+/-0.344 χ^2/NDF:72567.0/12

+ sign 1537.836+/-0.257 χ^2/NDF: 653598.8/29

All: 1534.348+/-0.182 χ^2/NDF: 1167639.1/60

- sign 1530.871+/-0.257 χ^2/NDF: 513672.5/30



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 442.515+/-181.601 χ^2/NDF:30.7/13

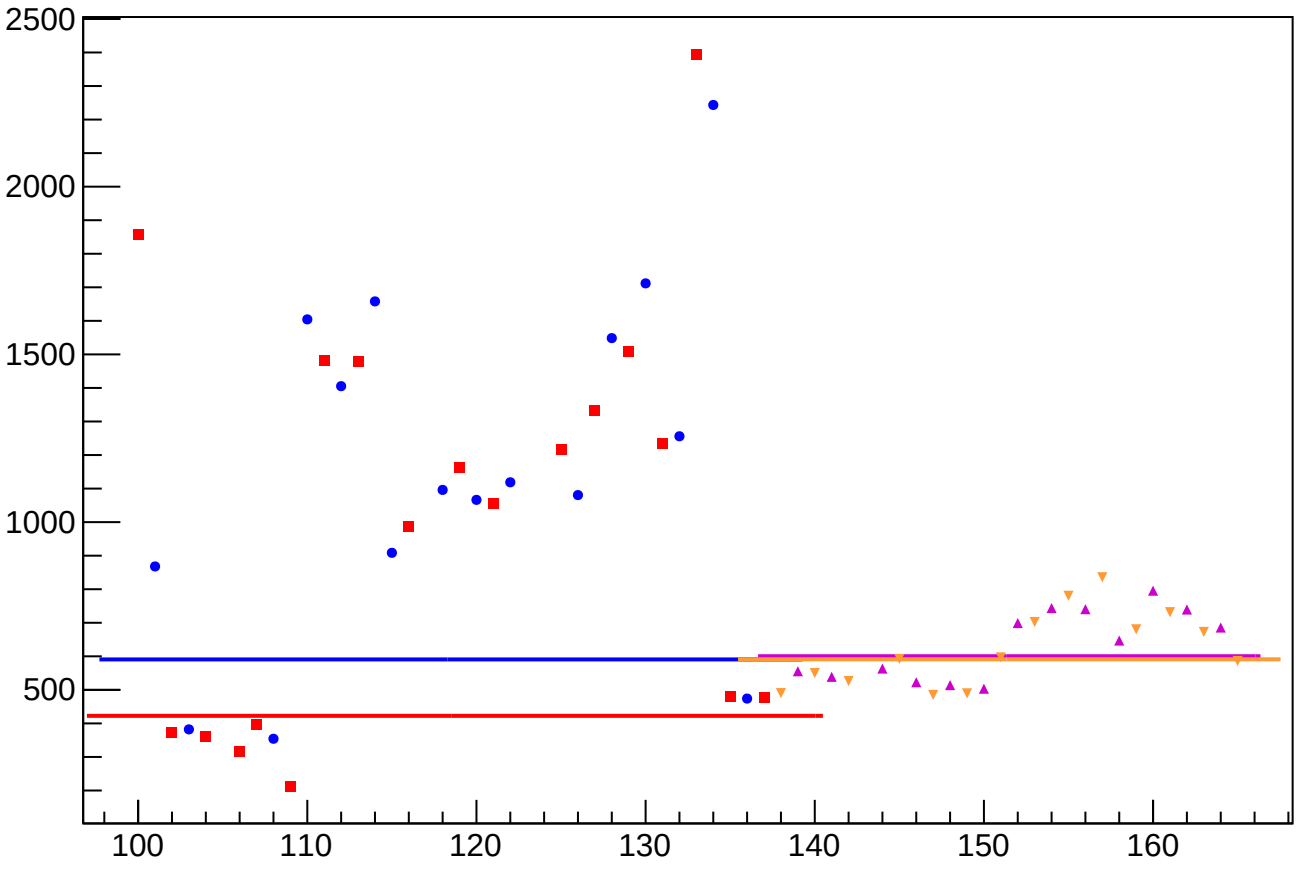
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 221.453+/-184.110 χ^2/NDF:6.2/12

+ sign 387.230+/-148.981 χ^2/NDF: 51.2/29

All: 272.681+/-99.699 χ^2/NDF: 73.0/60

- sign 179.775+/-134.171 χ^2/NDF: 20.8/30



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 591.117+/-0.128 χ^2/NDF:630687.2/13

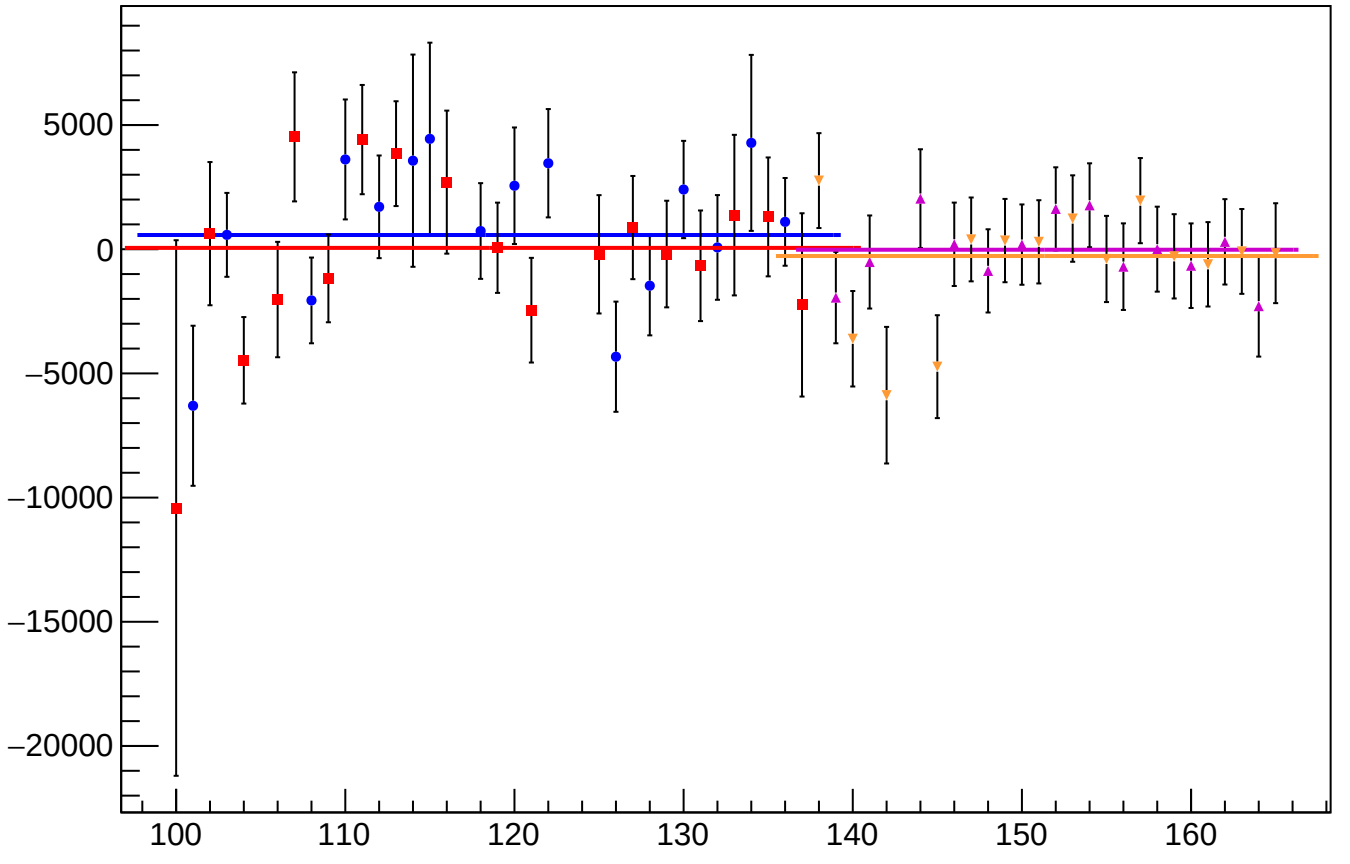
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 600.253+/-0.130 χ^2/NDF:536772.4/12

+ sign 590.996+/-0.105 χ^2/NDF: 4516192.0/29

All: 550.117+/-0.070 χ^2/NDF: 11056617.6/60

- sign 516.961+/-0.095 χ^2/NDF: 6267708.4/30



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -273.682+/-484.565 χ^2/NDF:17.2/13

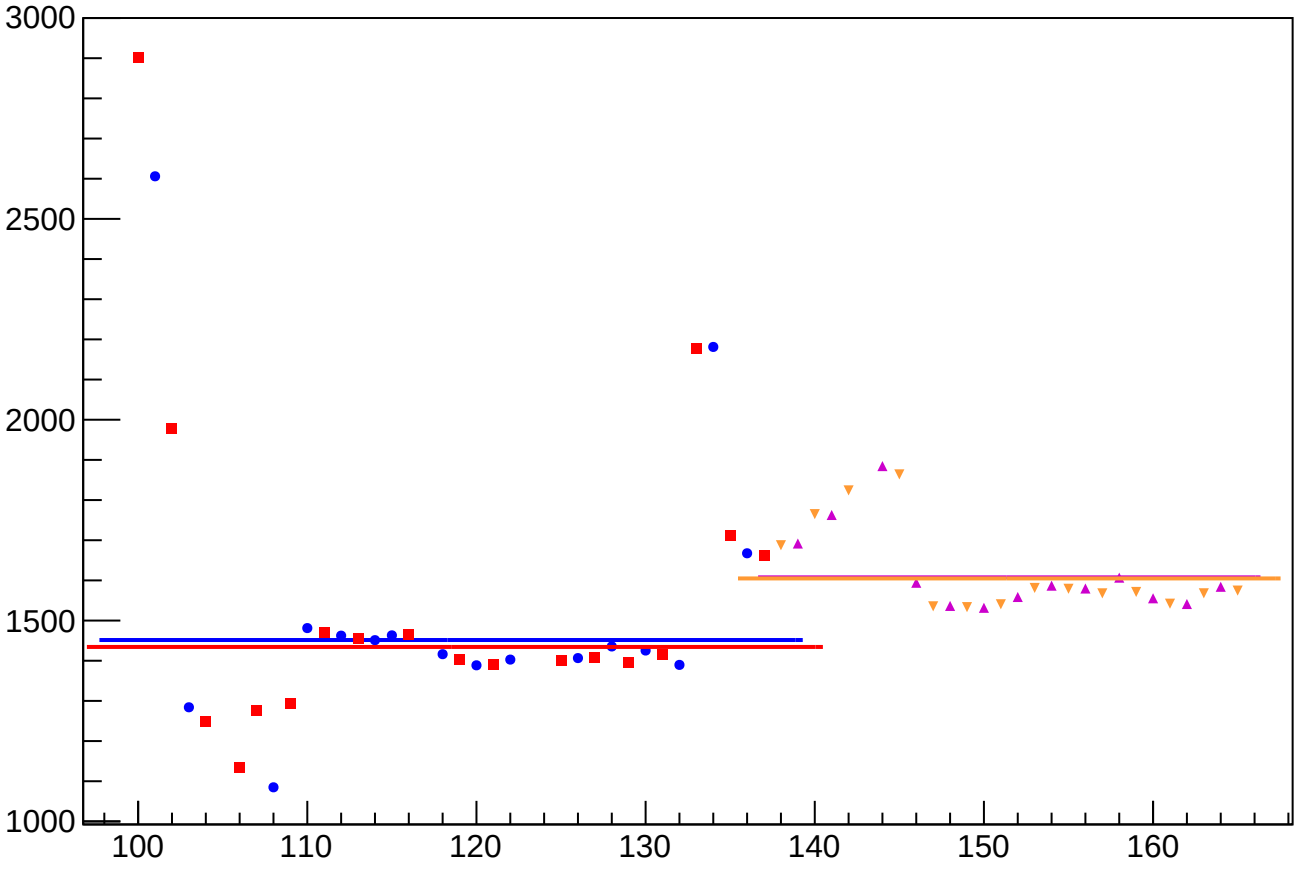
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -20.901+/-486.208 χ^2/NDF:6.2/12

+ sign 96.285+/-363.479 χ^2/NDF: 39.3/29

All: 54.157+/-256.820 χ^2/NDF: 68.1/60

- sign 12.159+/-362.917 χ^2/NDF: 28.7/30



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1604.879+/-0.343 χ^2/NDF:78220.8/13

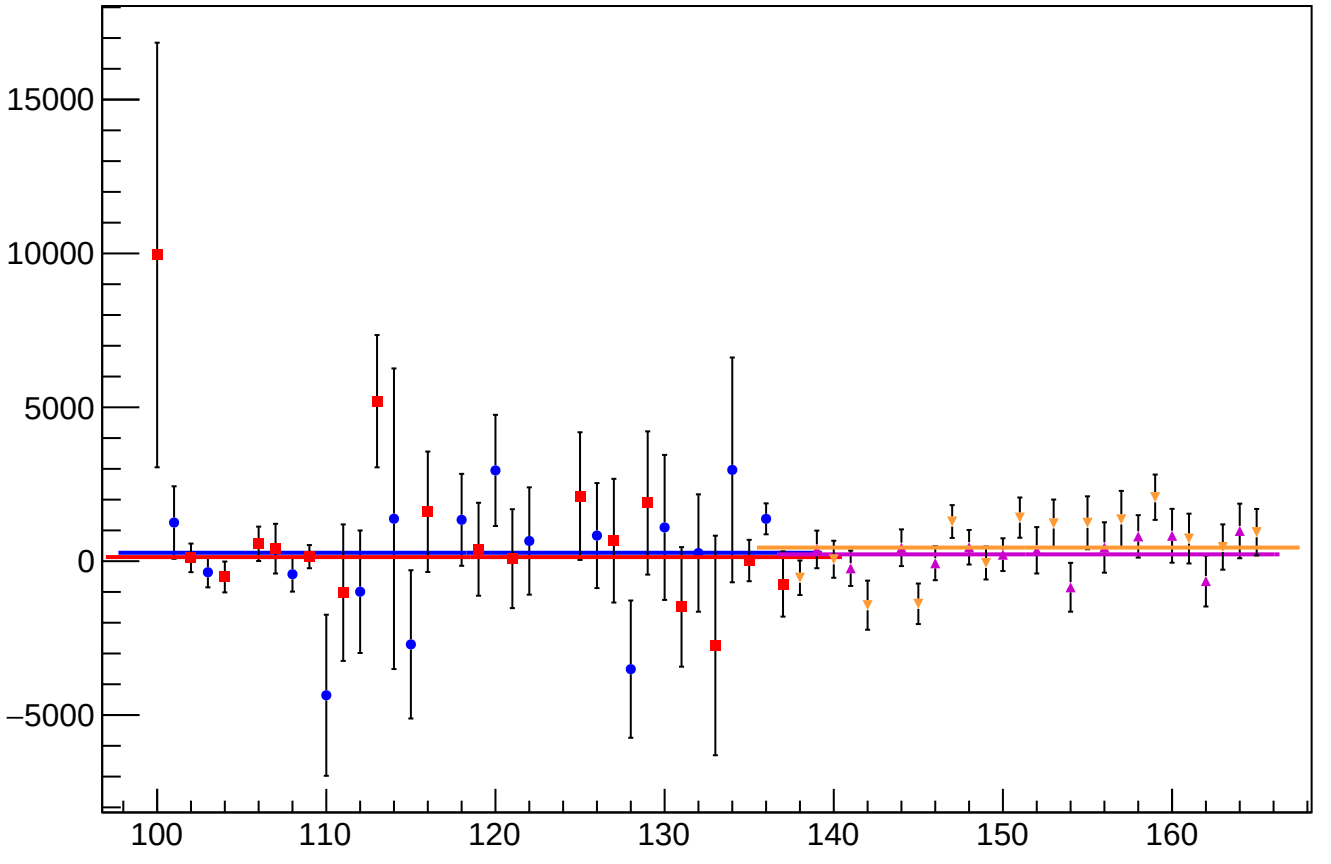
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1607.615+/-0.344 χ^2/NDF:72567.2/12

+ sign 1537.836+/-0.257 χ^2/NDF: 653598.6/29

All: 1534.348+/-0.182 χ^2/NDF: 1167639.2/60

- sign 1530.871+/-0.257 χ^2/NDF: 513672.8/30



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 442.522+/-181.602 χ^2/NDF:30.7/13

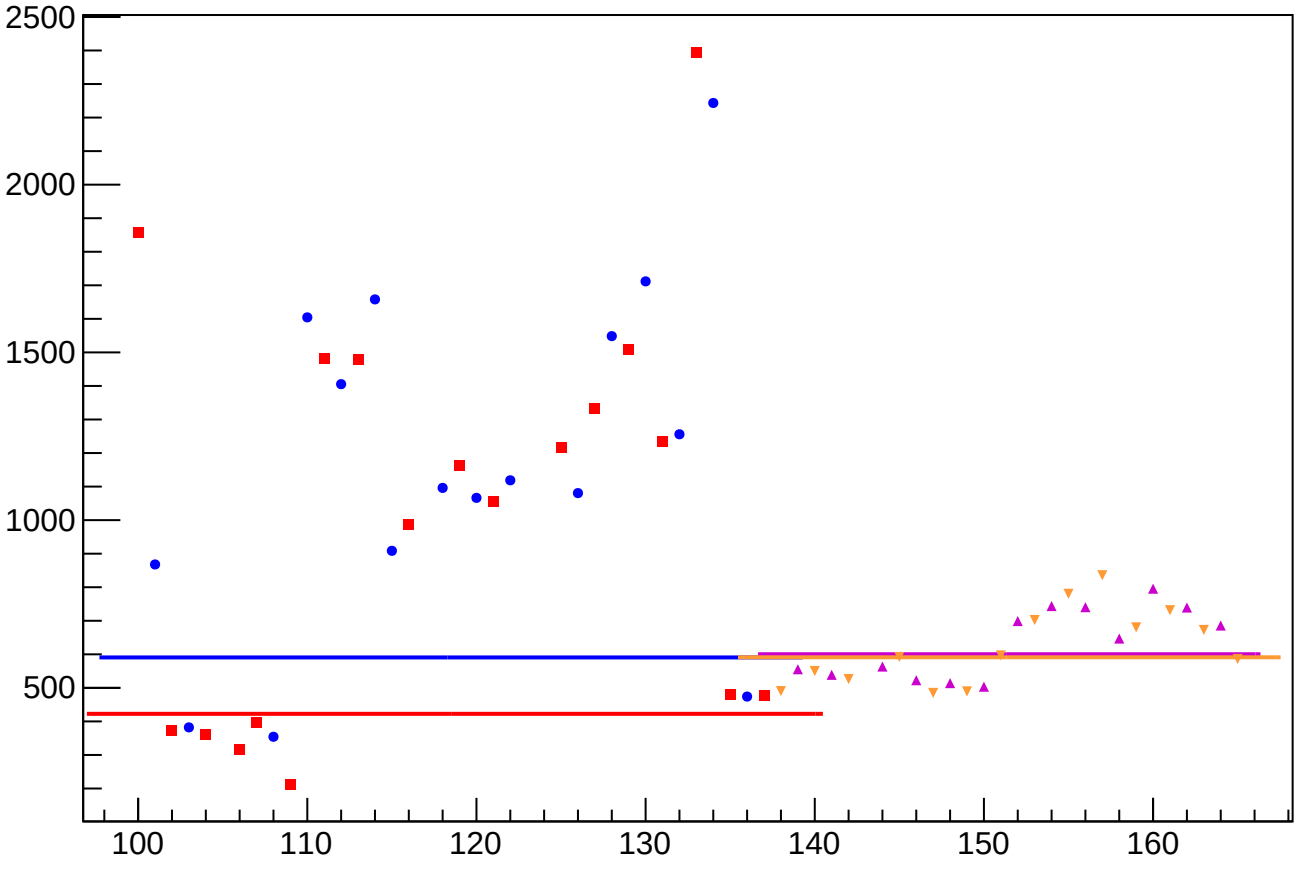
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 221.455+/-184.111 χ^2/NDF:6.2/12

\+ sign 387.231+/-148.982 χ^2/NDF: 51.2/29

All: 272.681+/-99.700 χ^2/NDF: 73.0/60

\- sign 179.774+/-134.172 χ^2/NDF: 20.8/30



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 591.120+/-0.128 χ^2/NDF:630667.6/13

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

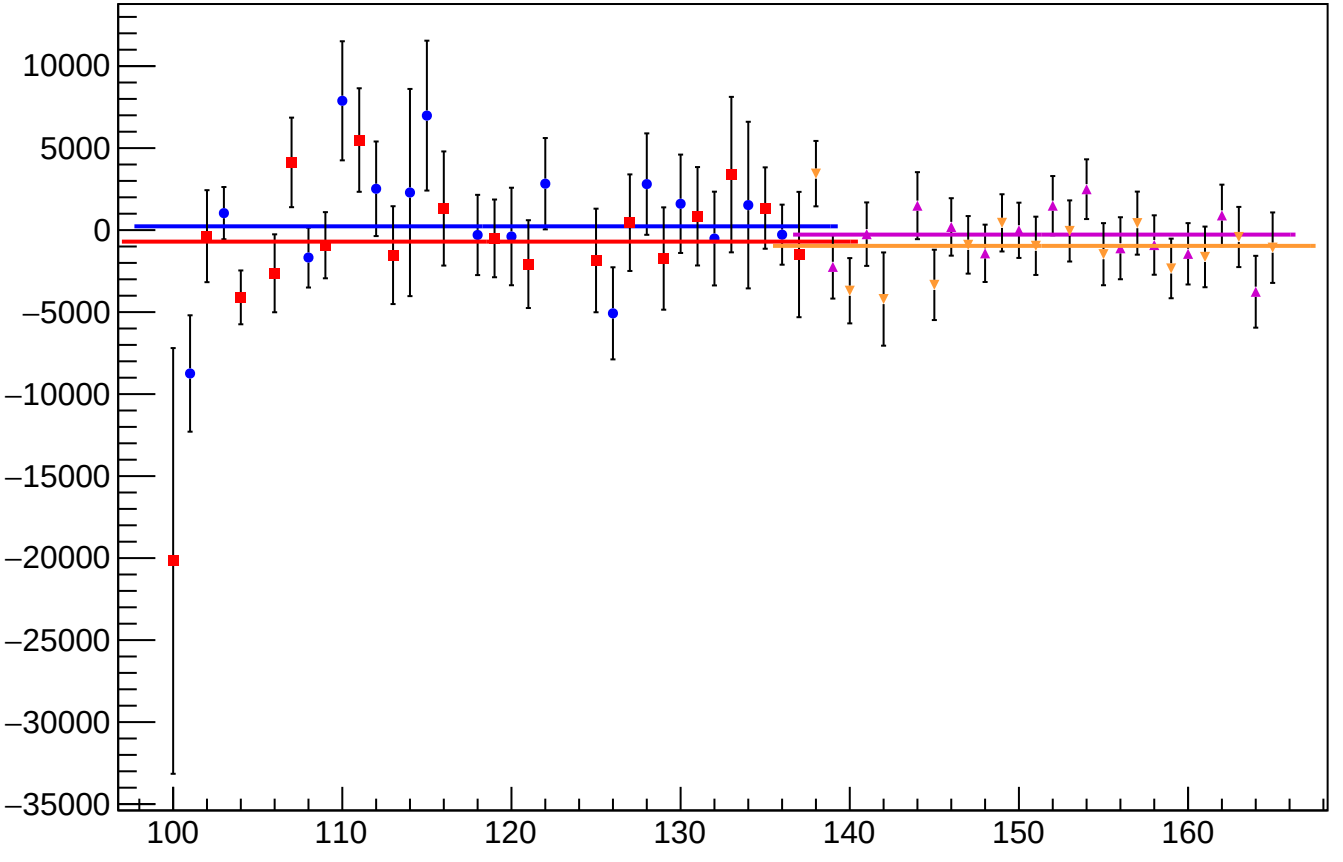
Left In: 600.253+/-0.130 χ^2/NDF:536788.3/12

+ sign 590.998+/-0.105 χ^2/NDF: 4516200.9/29

All: 550.120+/-0.070 χ^2/NDF: 11056487.2/60

- sign 516.965+/-0.095 χ^2/NDF: 6267587.7/30

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -961.466+/-515.597 χ^2/NDF:11.6/13

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

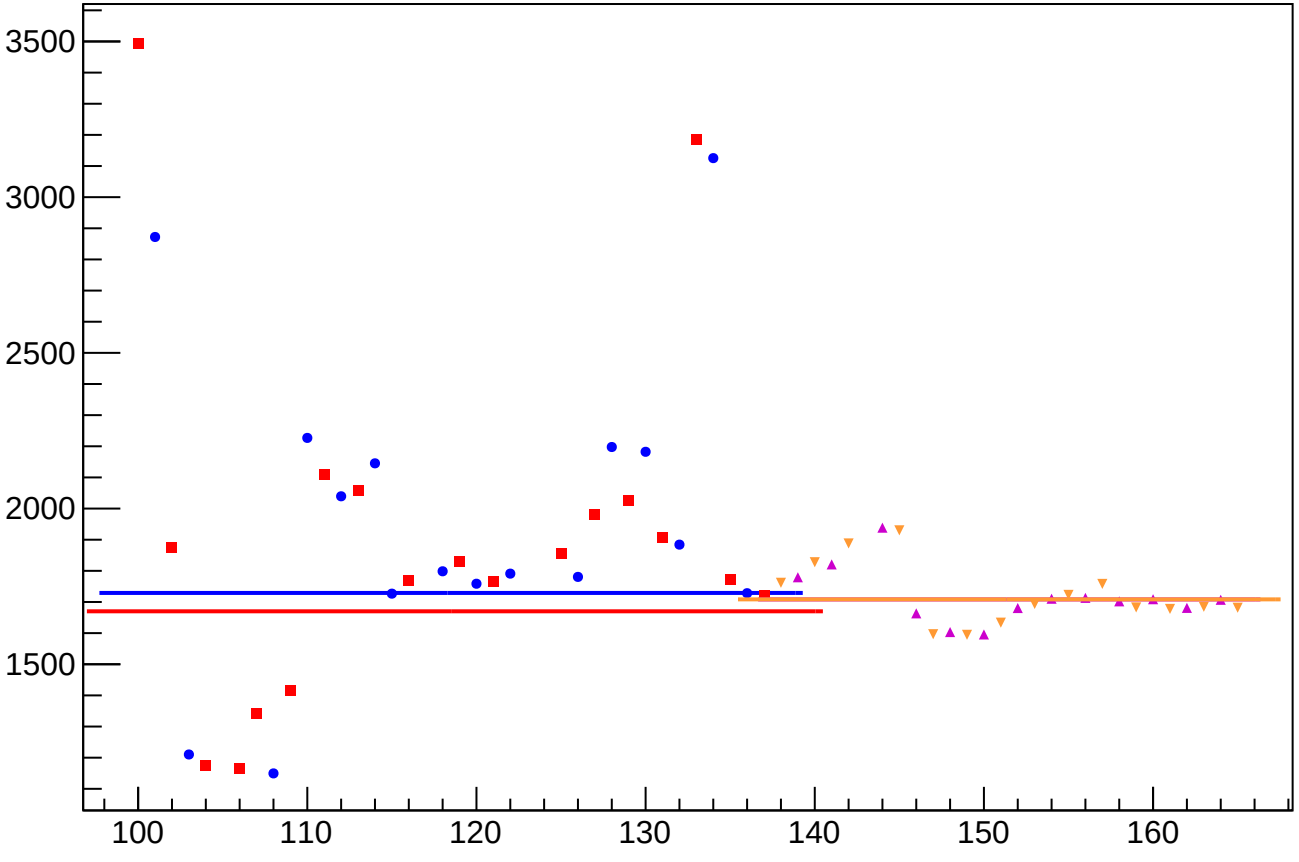
Left In: -274.410+/-516.393 χ^2/NDF:9.2/12

+ sign -514.891+/-407.754 χ^2/NDF: 34.3/29

All: -477.339+/-286.961 χ^2/NDF: 60.8/60

- sign -440.490+/-403.922 χ^2/NDF: 26.5/30

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1708.383+/-0.365 χ^2/NDF:61344.6/13

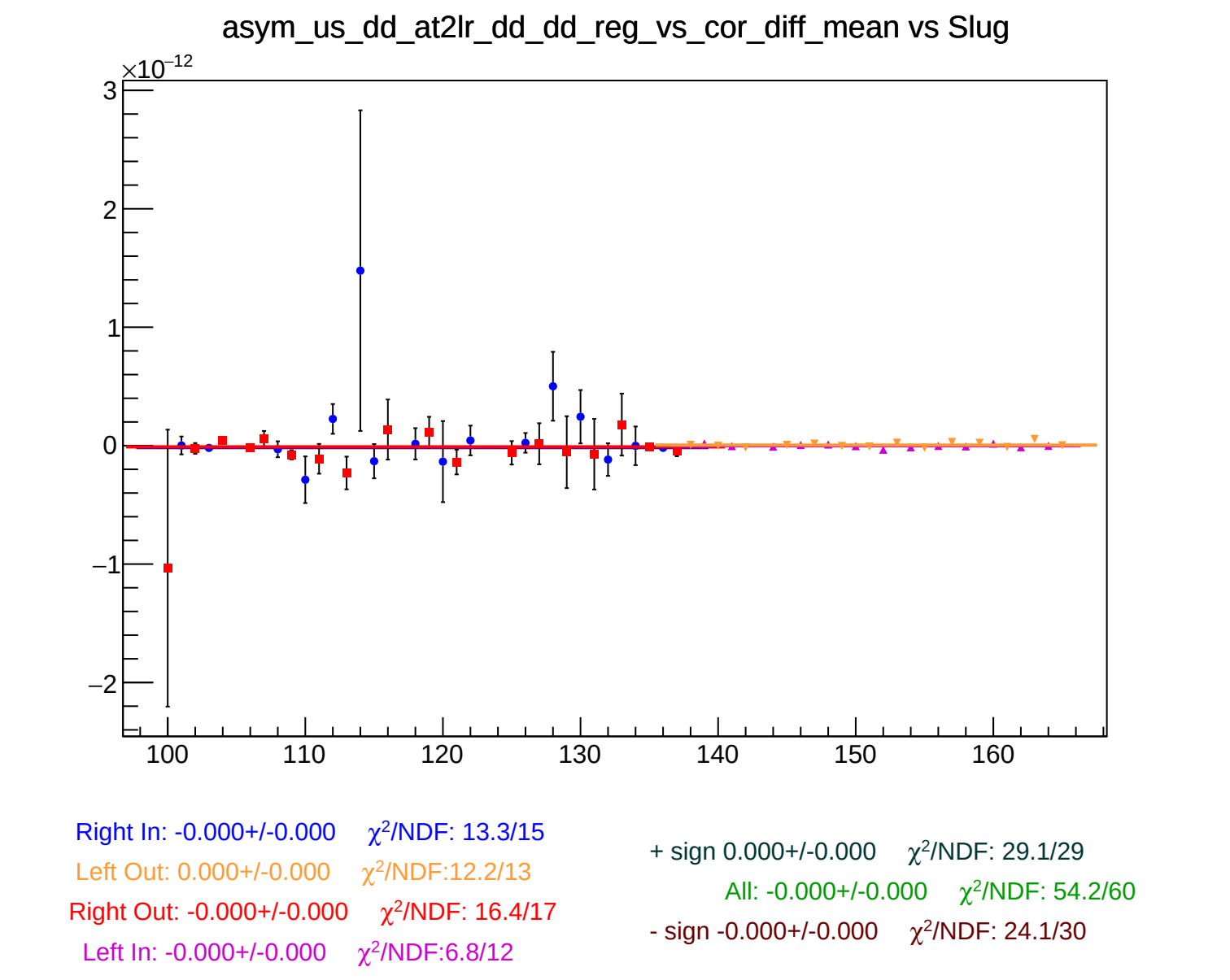
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

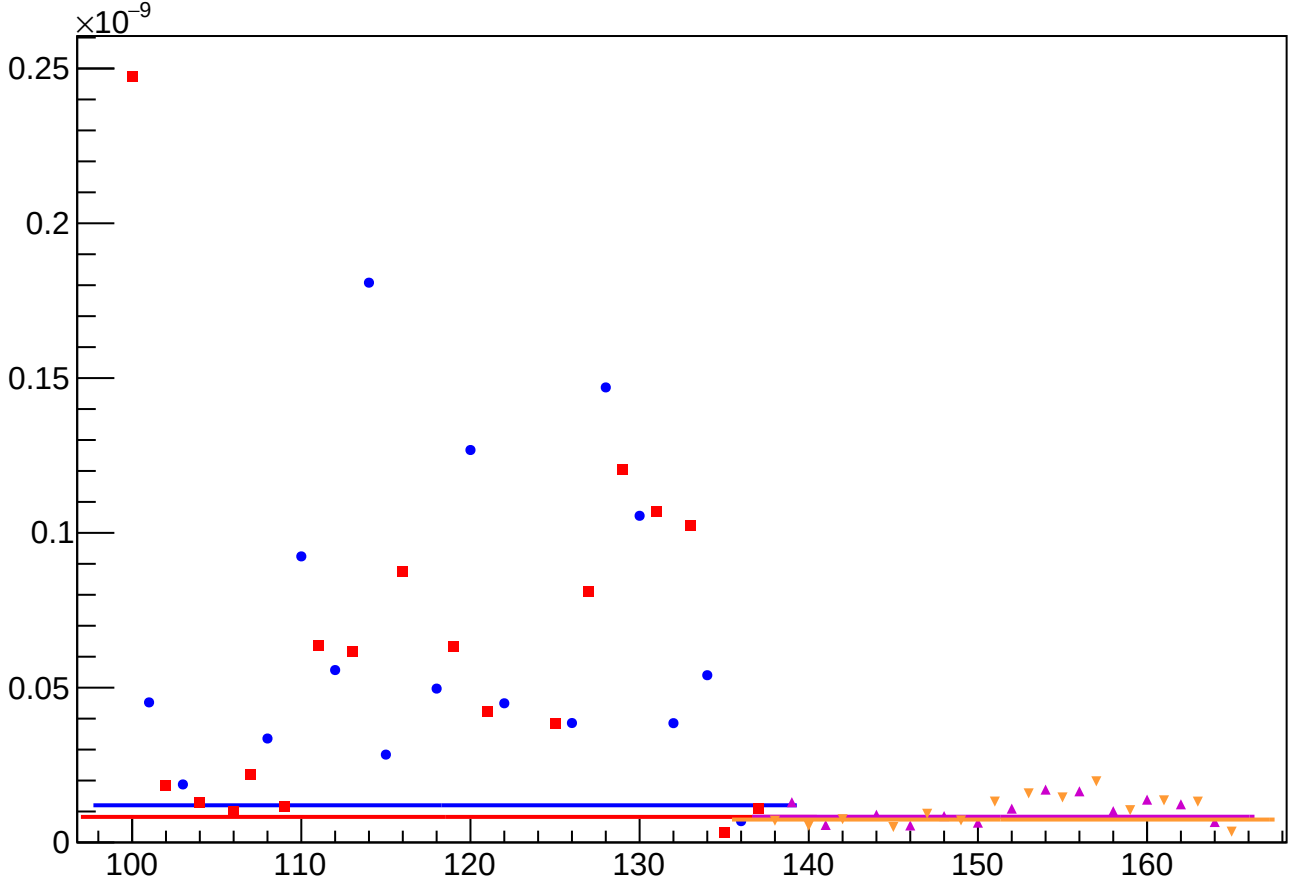
Left In: 1708.150+/-0.365 χ^2/NDF:53232.1/12

+ sign 1716.124+/-0.288 χ^2/NDF: 1004627.3/29

All: 1704.636+/-0.203 χ^2/NDF: 1809681.4/60

- sign 1693.364+/-0.286 χ^2/NDF: 801908.9/30


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:12.2/13
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:6.8/12
+ sign 0.000+/-0.000 χ²/NDF: 29.1/29
All: -0.000+/-0.000 χ²/NDF: 54.2/60
- sign -0.000+/-0.000 χ²/NDF: 24.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1724905.1/13

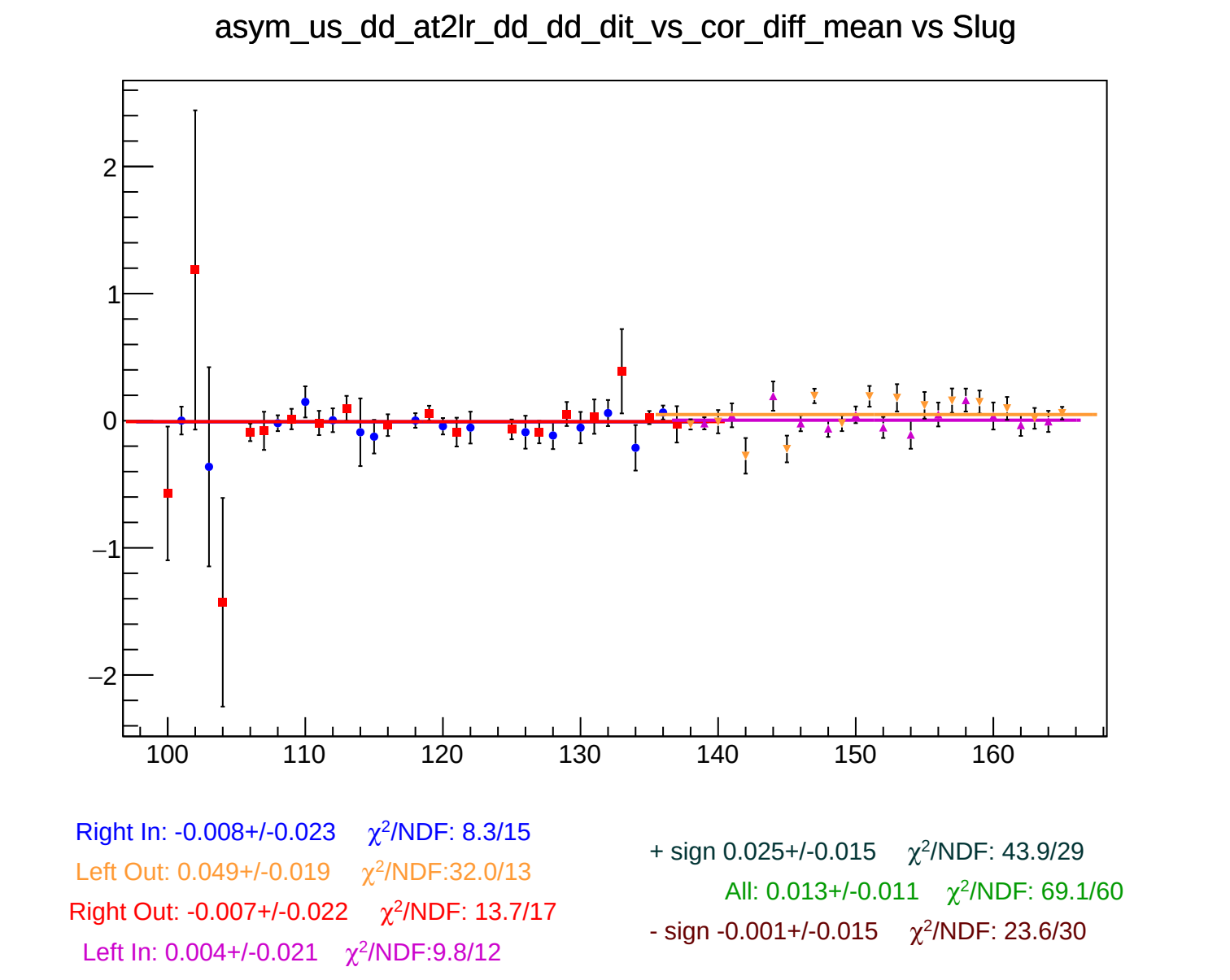
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1108016.3/12

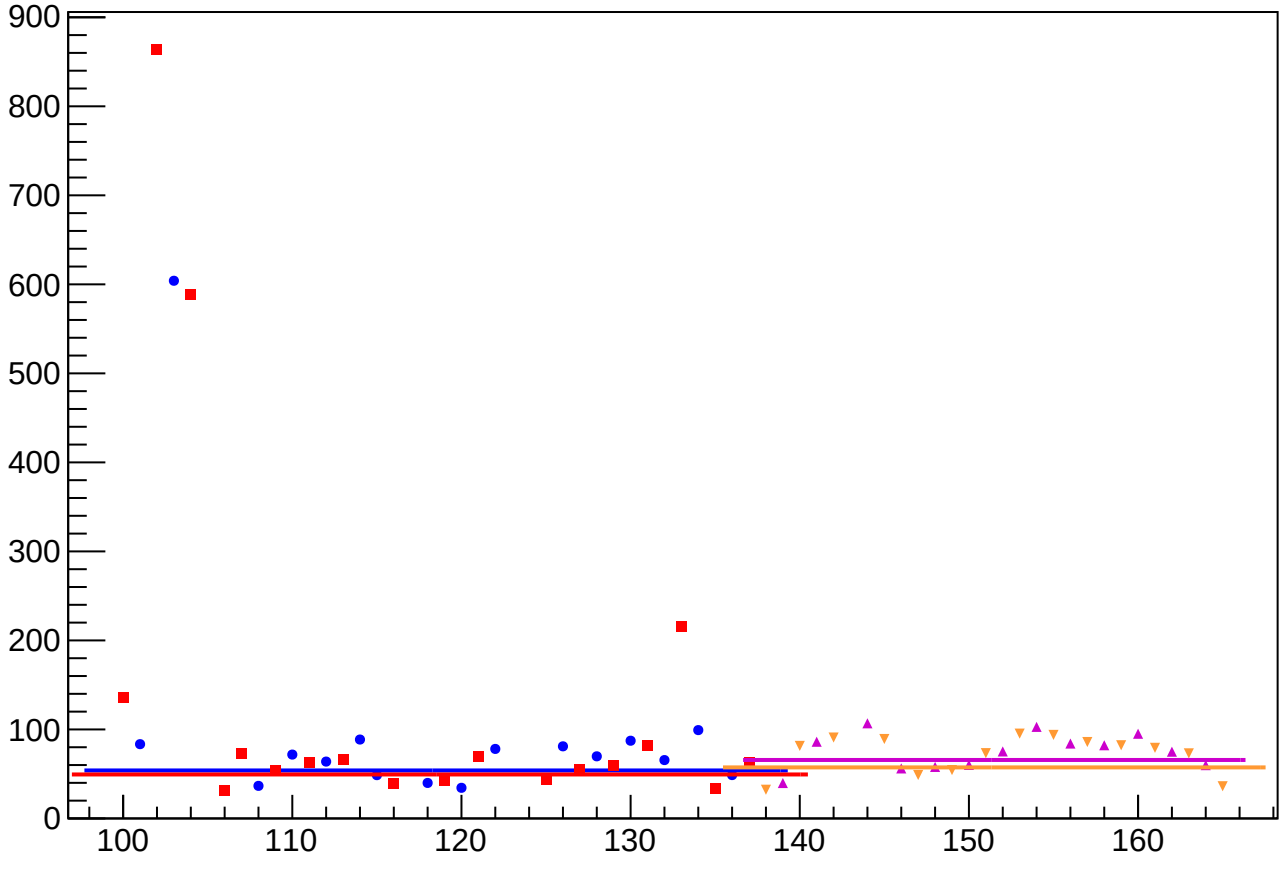
+ sign 0.000+/-0.000 χ^2/NDF: 5502920.0/29

All: 0.000+/-0.000 χ^2/NDF: 10128170.5/60

- sign 0.000+/-0.000 χ^2/NDF: 4618216.9/30


asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.008+/-0.023 χ²/NDF: 8.3/15
Left Out: 0.049+/-0.019 χ²/NDF:32.0/13
Right Out: -0.007+/-0.022 χ²/NDF: 13.7/17
Left In: 0.004+/-0.021 χ²/NDF:9.8/12
+ sign 0.025+/-0.015 χ²/NDF: 43.9/29
All: 0.013+/-0.011 χ²/NDF: 69.1/60
- sign -0.001+/-0.015 χ²/NDF: 23.6/30

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 57.351+/-0.014 χ^2/NDF:2733232.3/13

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

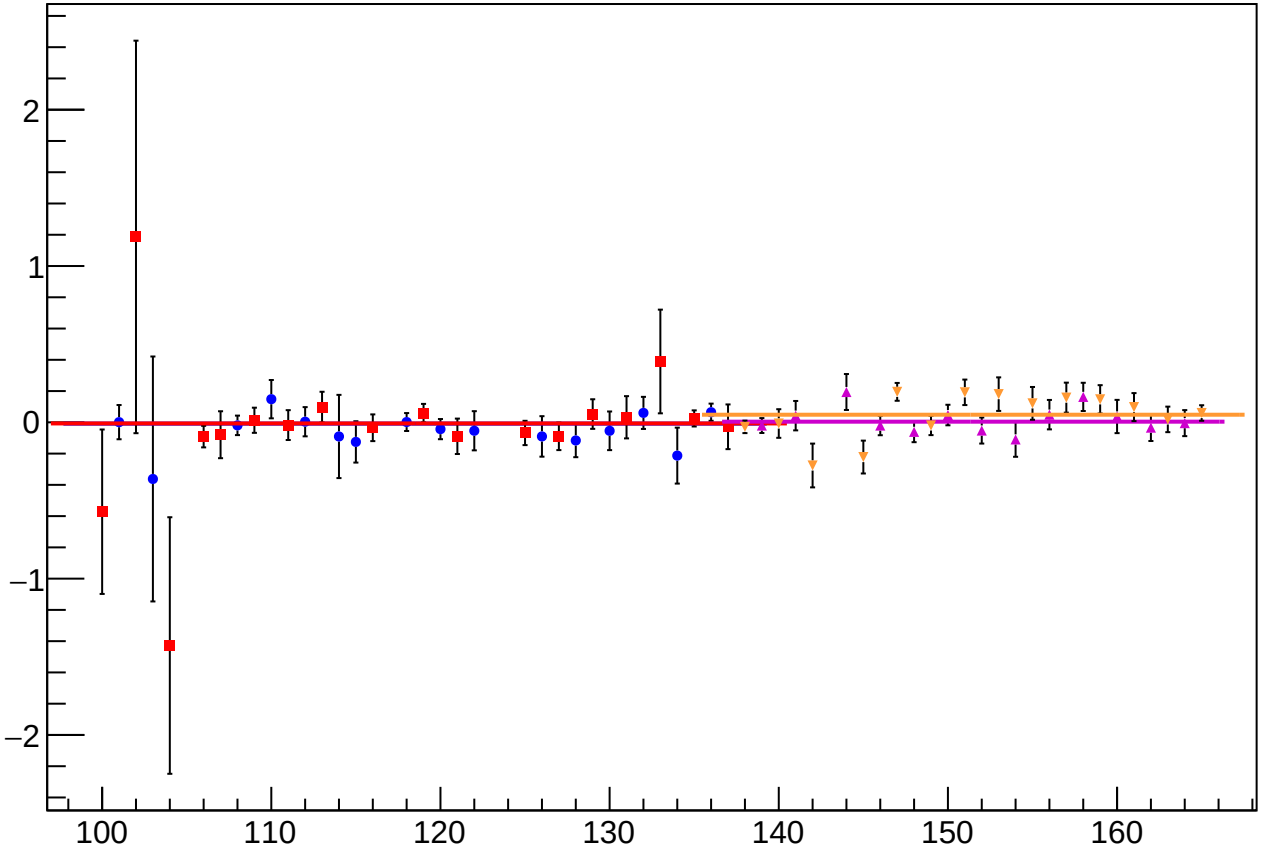
Left In: 65.702+/-0.015 χ^2/NDF:1613185.9/12

+ sign 55.947+/-0.010 χ^2/NDF: 4973507.6/29

All: 56.865+/-0.008 χ^2/NDF: 10177047.8/60

- sign 57.861+/-0.011 χ^2/NDF: 5187494.7/30

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.019 χ^2/NDF:32.0/13

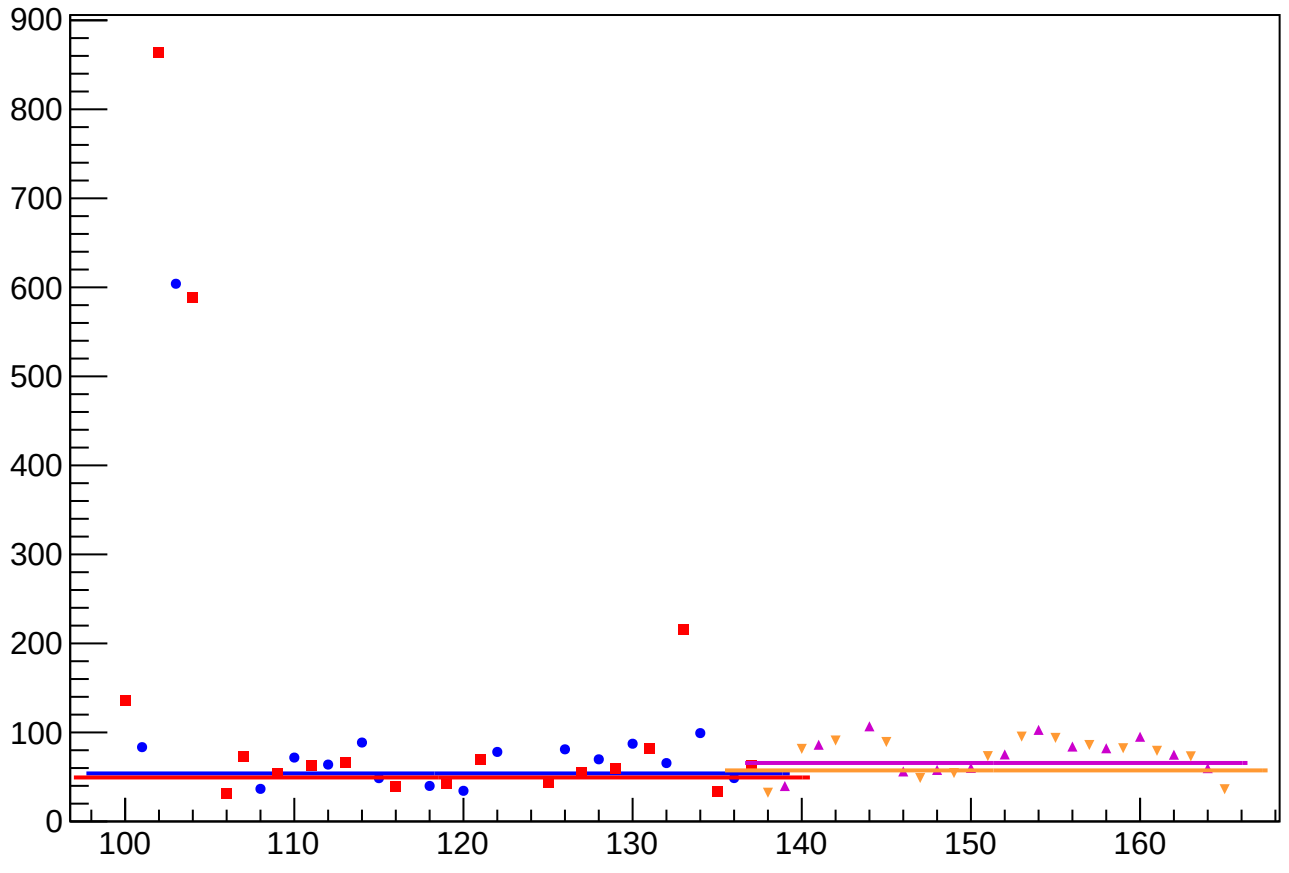
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.021 χ^2/NDF:9.8/12

+ sign 0.025+/-0.015 χ^2/NDF: 43.9/29

All: 0.013+/-0.011 χ^2/NDF: 69.1/60

- sign -0.001+/-0.015 χ^2/NDF: 23.6/30



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 57.351+/-0.014 χ^2/NDF:2733232.3/13

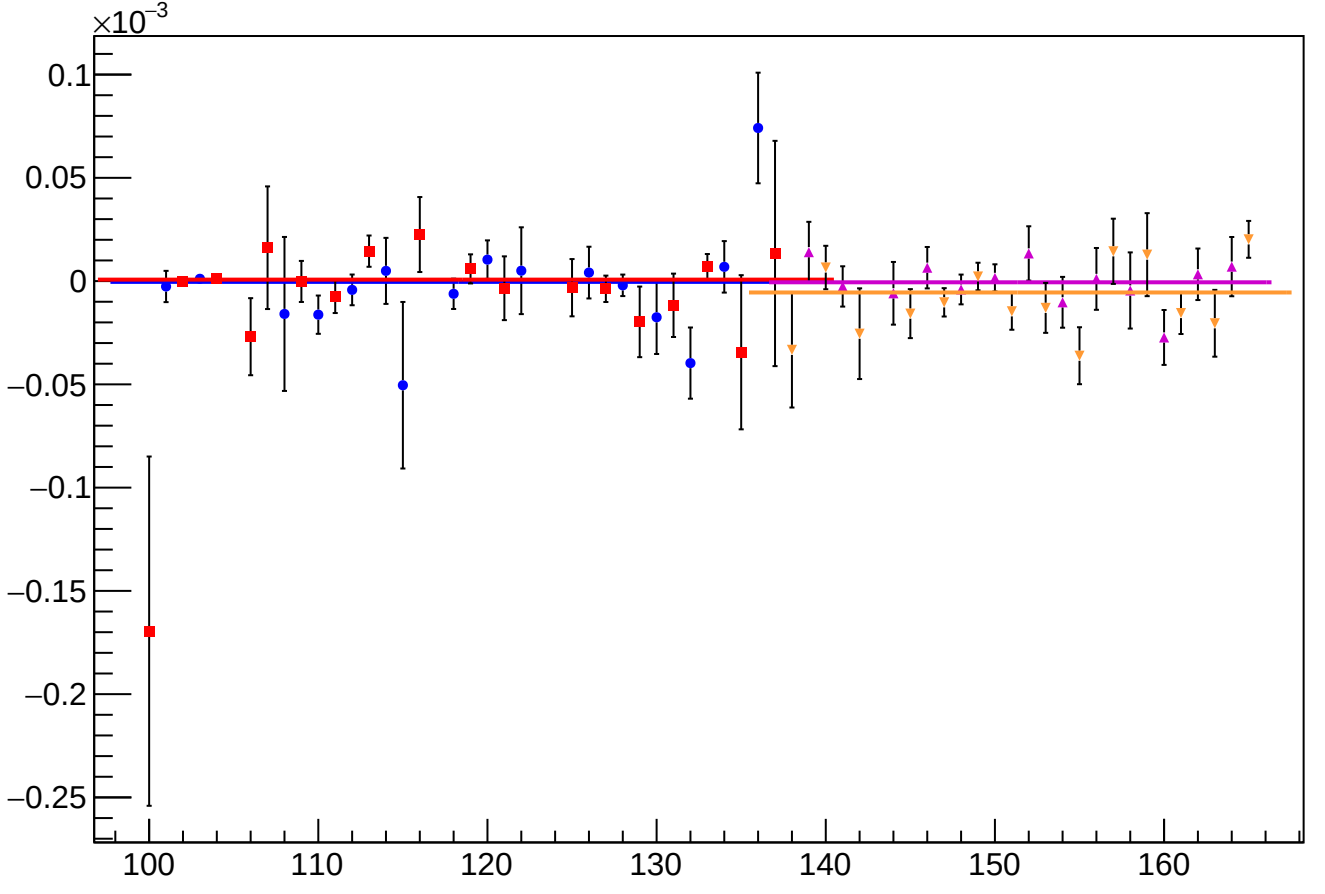
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.702+/-0.015 χ^2/NDF:1613185.9/12

\+ sign 55.947+/-0.010 χ^2/NDF: 4973507.6/29

All: 56.865+/-0.008 χ^2/NDF: 10177047.8/60

\- sign 57.861+/-0.011 χ^2/NDF: 5187494.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/13

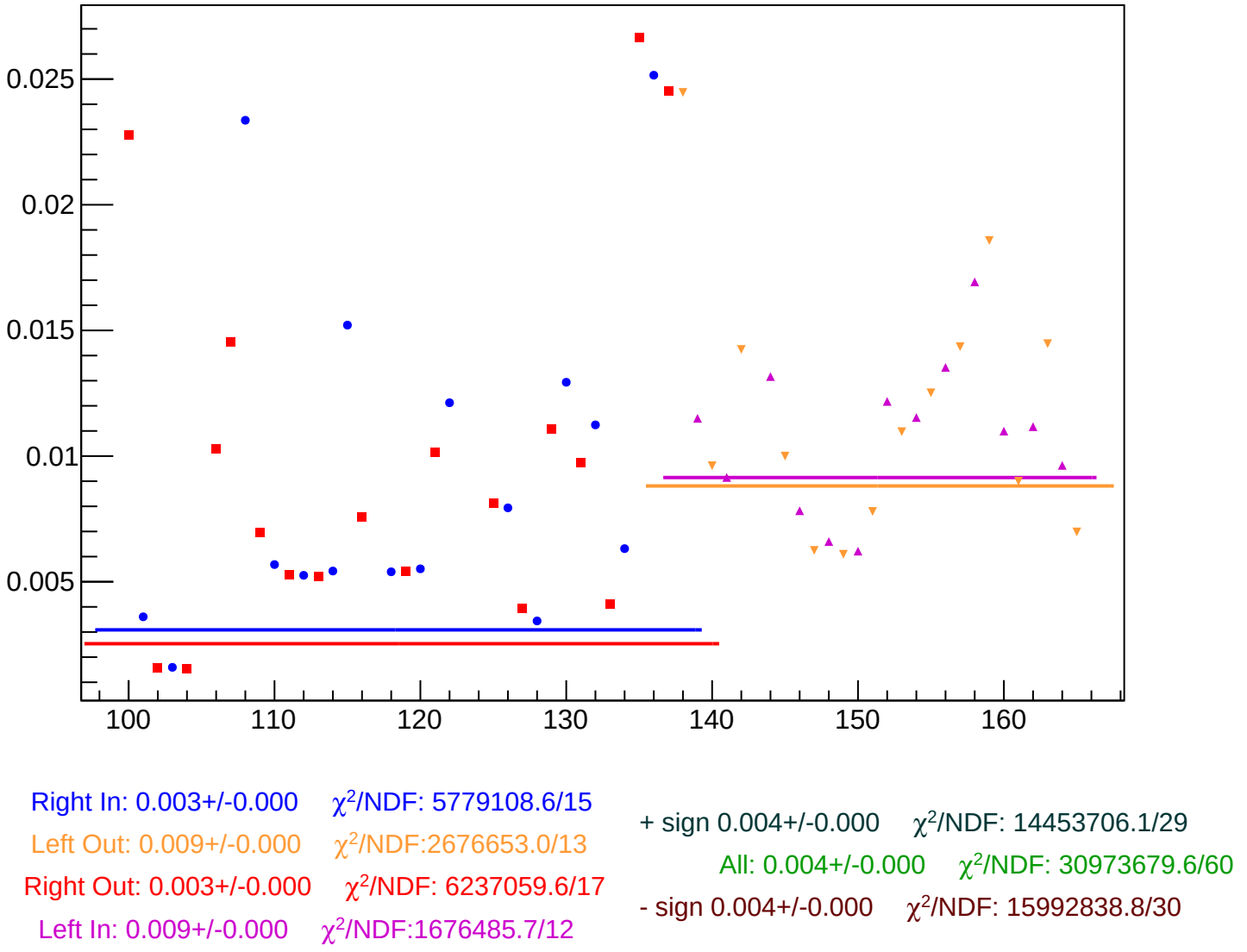
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

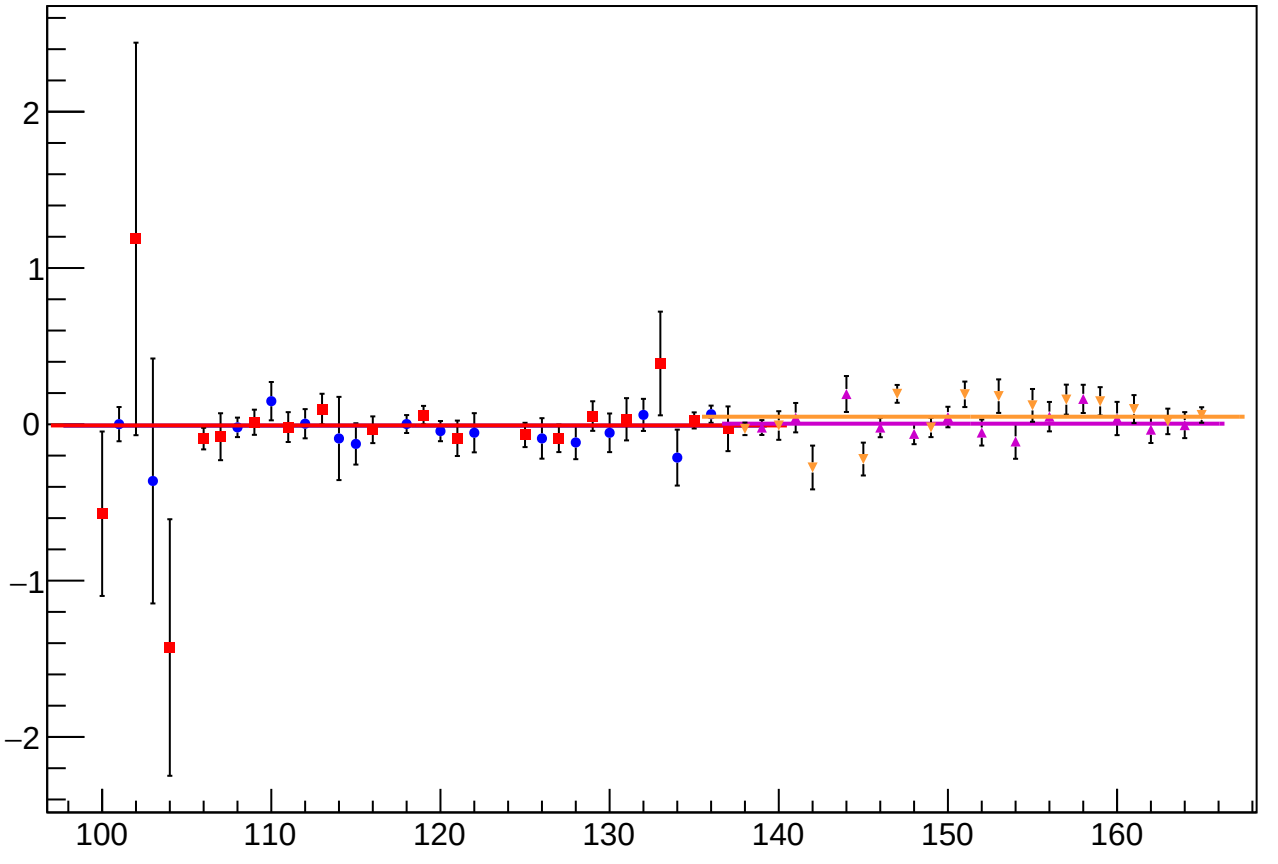
Left In: -0.000+/-0.000 χ^2/NDF:8.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/29

All: -0.000+/-0.000 χ^2/NDF: 76.7/60

- sign 0.000+/-0.000 χ^2/NDF: 26.2/30


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.009+/-0.000 χ²/NDF:2676653.0/13
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.009+/-0.000 χ²/NDF:1676485.7/12
+ sign 0.004+/-0.000 χ²/NDF: 14453706.1/29
All: 0.004+/-0.000 χ²/NDF: 30973679.6/60
- sign 0.004+/-0.000 χ²/NDF: 15992838.8/30



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.019 χ^2/NDF:32.0/13

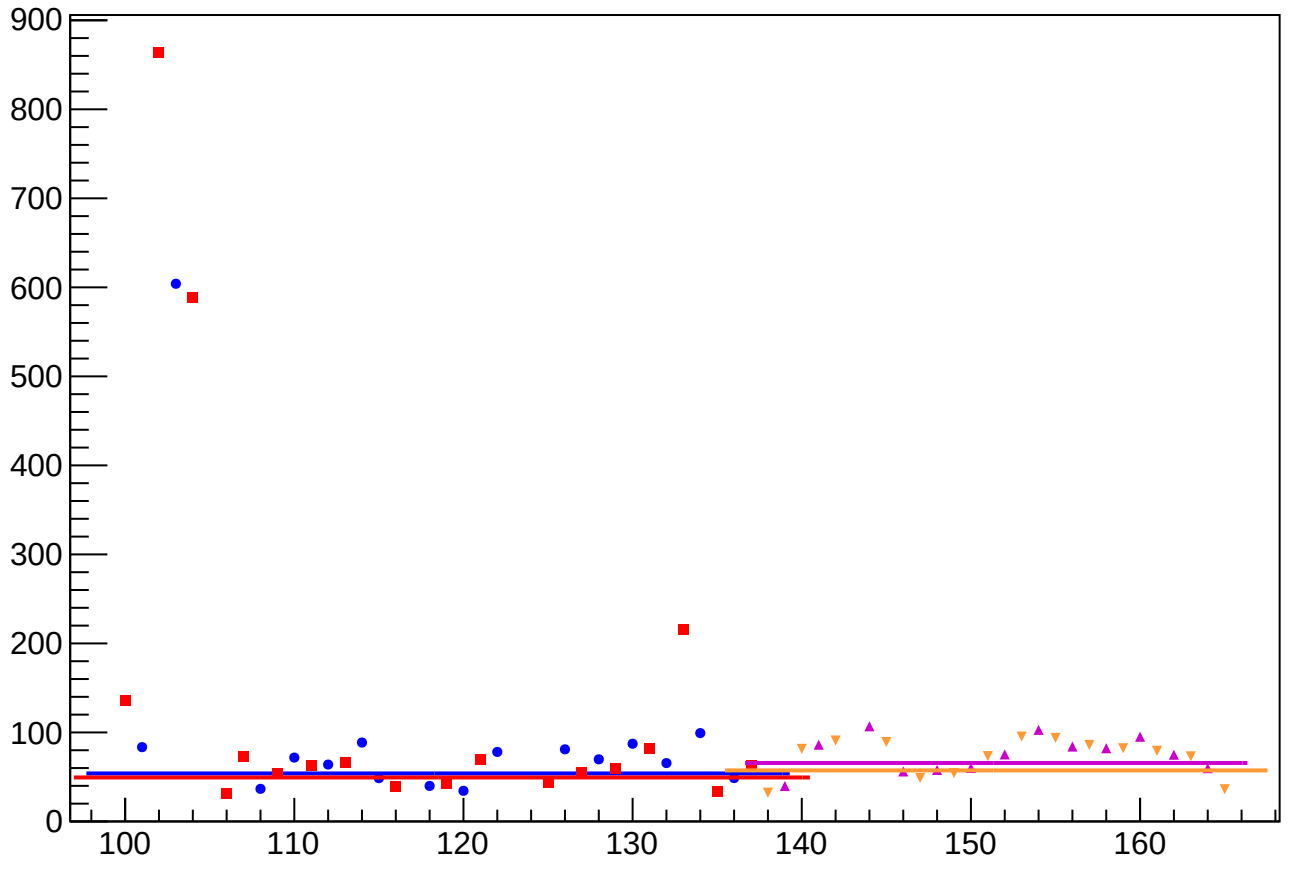
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.021 χ^2/NDF:9.8/12

+ sign 0.025+/-0.015 χ^2/NDF: 43.9/29

All: 0.013+/-0.011 χ^2/NDF: 69.1/60

- sign -0.001+/-0.015 χ^2/NDF: 23.6/30



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 57.355+/-0.014 χ^2/NDF:2732209.7/13

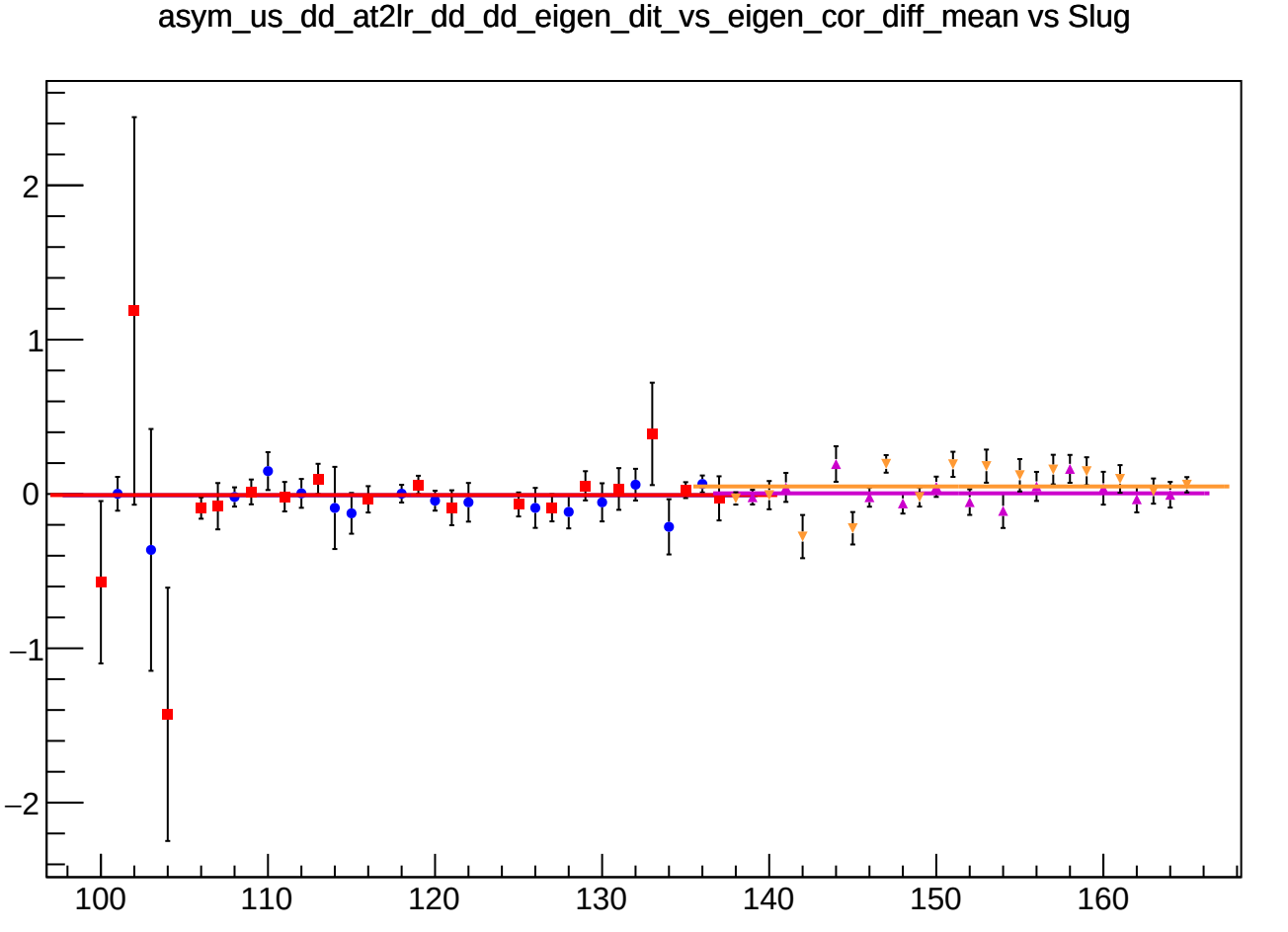
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.701+/-0.015 χ^2/NDF:1613370.3/12

\+ sign 55.951+/-0.010 χ^2/NDF: 4972093.0/29

All: 56.867+/-0.008 χ^2/NDF: 10175255.1/60

\- sign 57.862+/-0.011 χ^2/NDF: 5187168.0/30



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.019 χ^2/NDF:32.0/13

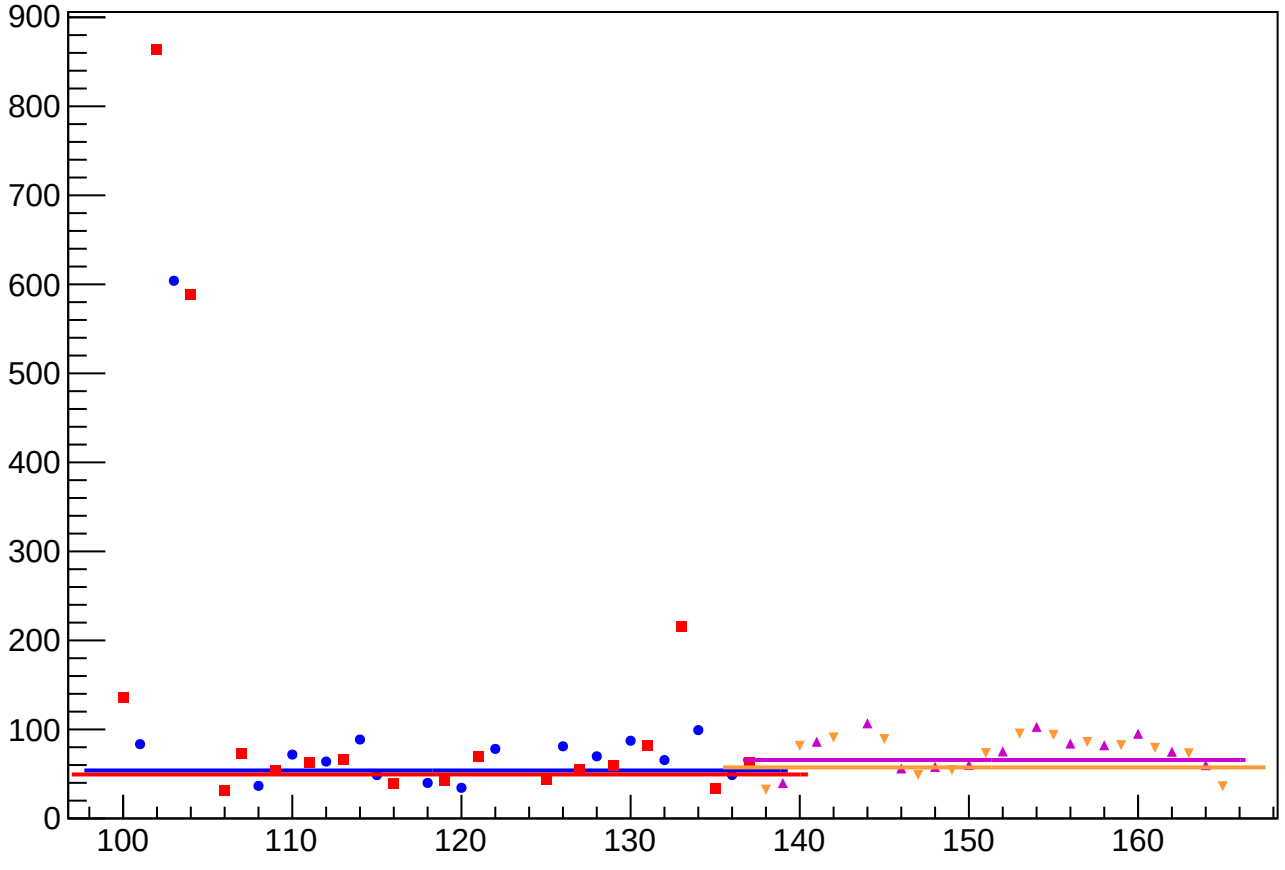
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.021 χ^2/NDF:9.8/12

+ sign 0.025+/-0.015 χ^2/NDF: 43.9/29

All: 0.013+/-0.011 χ^2/NDF: 69.1/60

- sign -0.001+/-0.015 χ^2/NDF: 23.6/30



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 57.355+/-0.014 χ^2/NDF:2732209.7/13

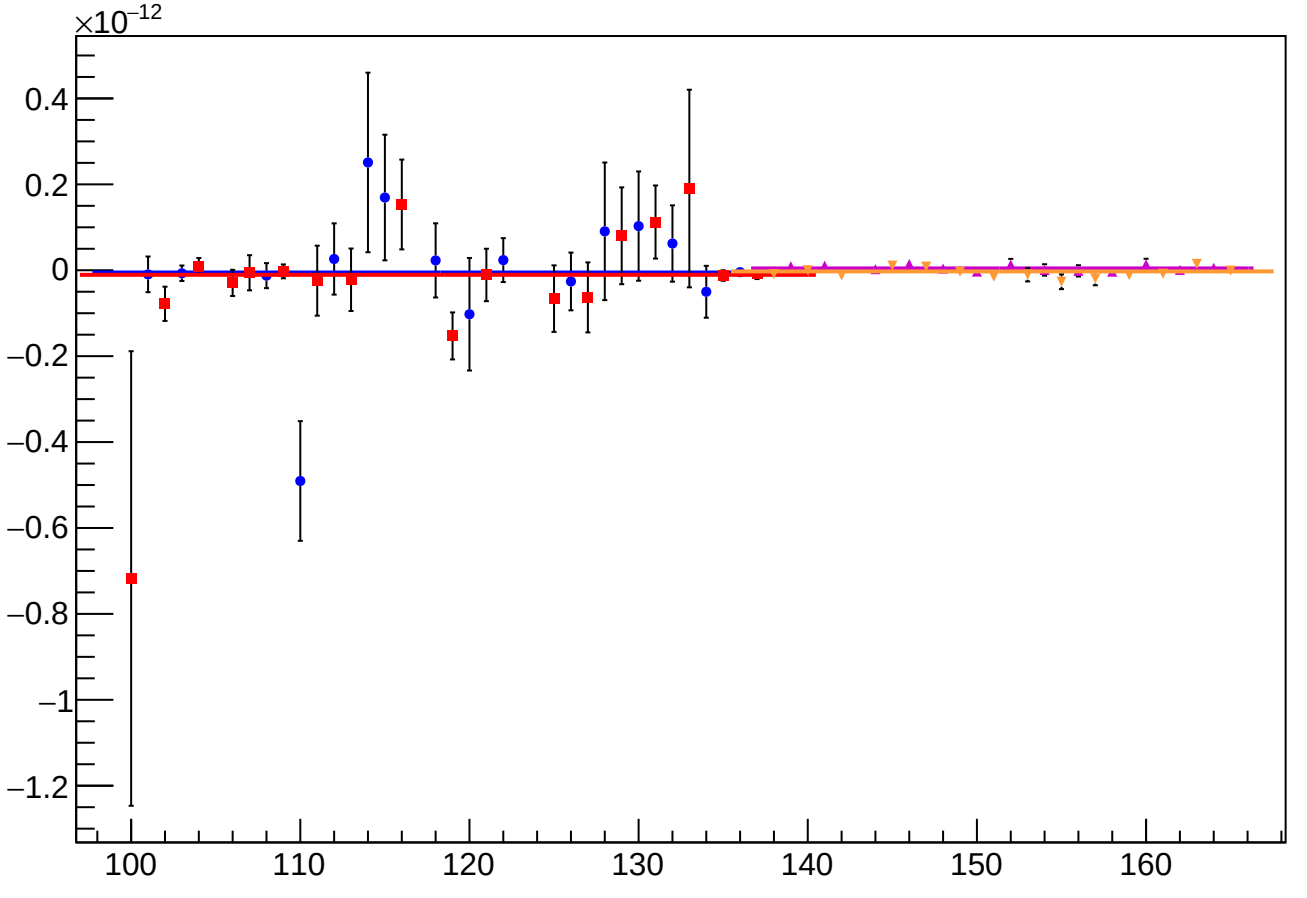
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.701+/-0.015 χ^2/NDF:1613370.3/12

+ sign 55.951+/-0.010 χ^2/NDF: 4972093.0/29

All: 56.867+/-0.008 χ^2/NDF: 10175255.1/60

- sign 57.862+/-0.011 χ^2/NDF: 5187168.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/13

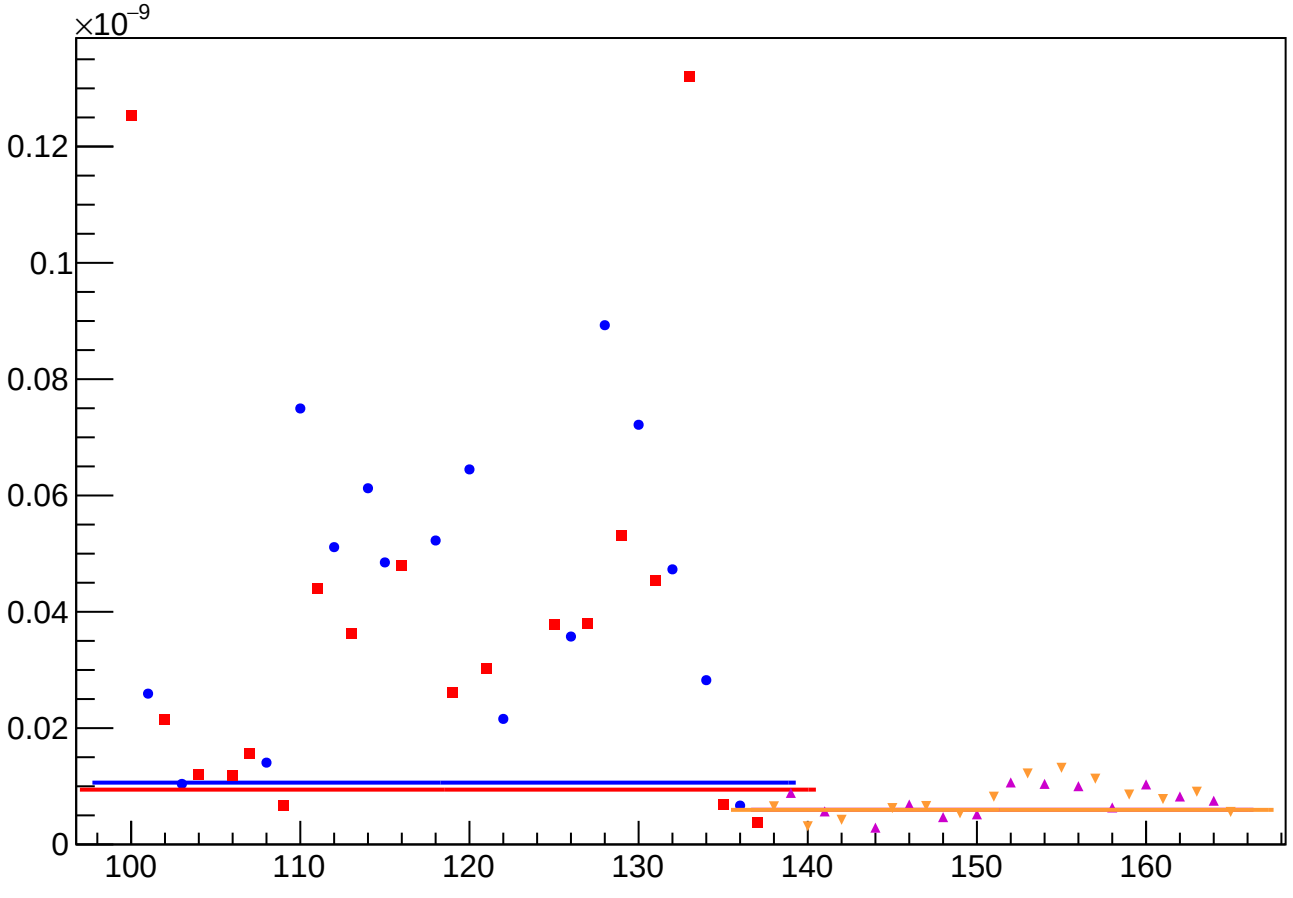
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 32.9/29

All: -0.000+/-0.000 χ^2/NDF: 66.5/60

- sign 0.000+/-0.000 χ^2/NDF: 30.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2198323.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

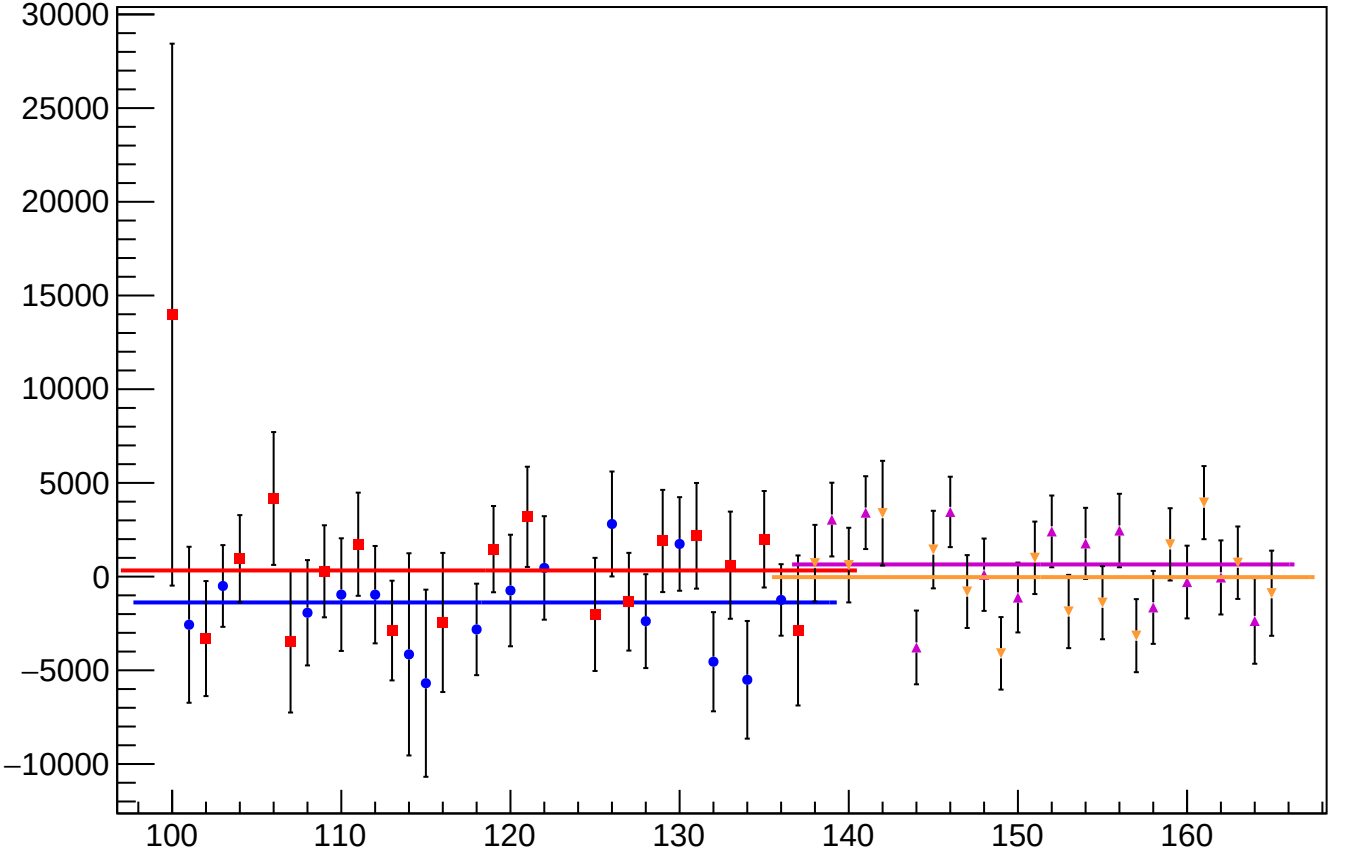
Left In: 0.000+/-0.000 χ^2/NDF:2057585.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 7592873.1/29

All: 0.000+/-0.000 χ^2/NDF: 14186851.8/60

- sign 0.000+/-0.000 χ^2/NDF: 6592899.8/30

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -27.935+/-539.721 χ^2/NDF:16.3/13

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

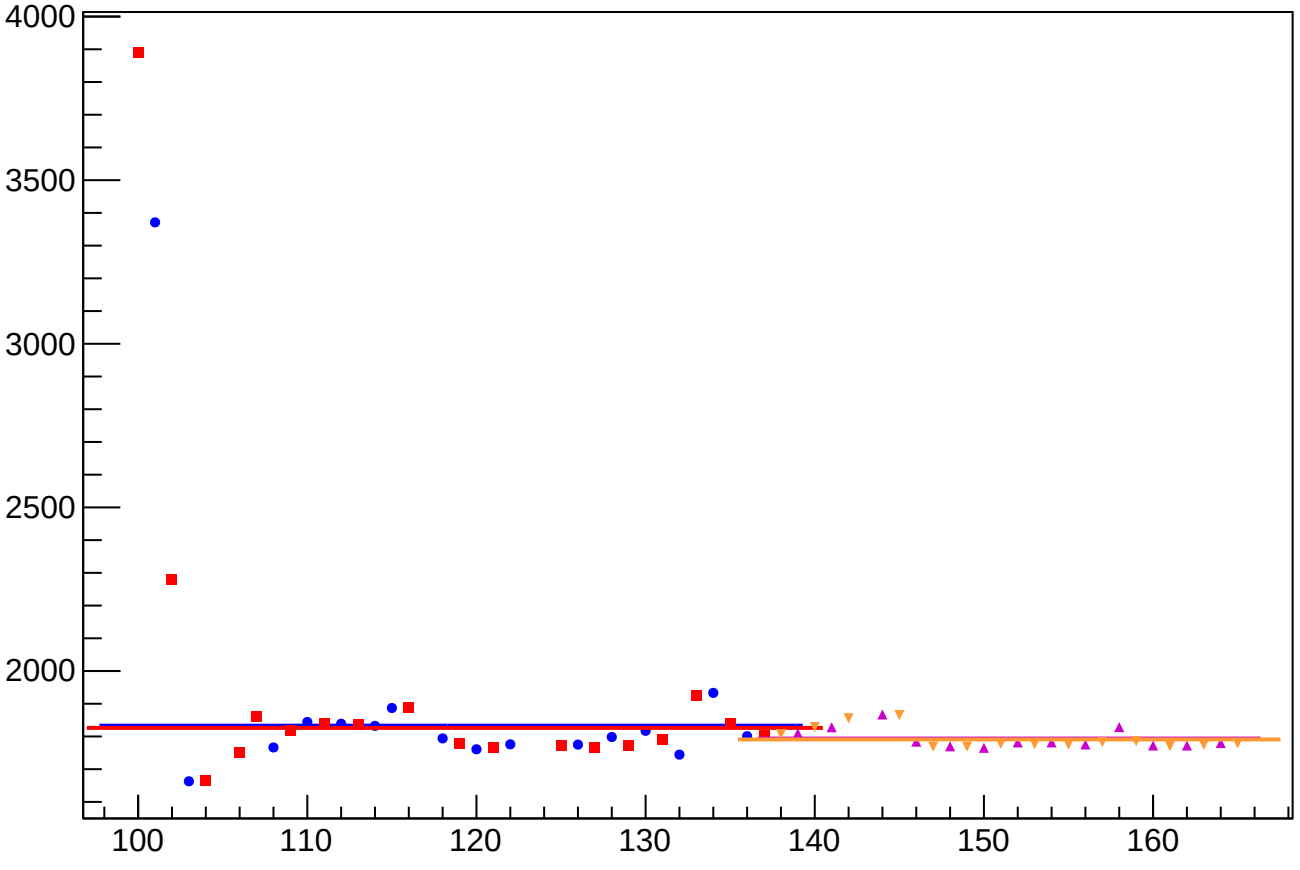
Left In: 649.318+/-541.552 χ^2/NDF:17.3/12

+ sign -541.592+/-424.889 χ^2/NDF: 28.0/29

All: -7.492+/-300.325 χ^2/NDF: 59.6/60

- sign 525.780+/-424.559 χ^2/NDF: 28.5/30

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1790.871+/-0.382 χ^2/NDF:5841.2/13

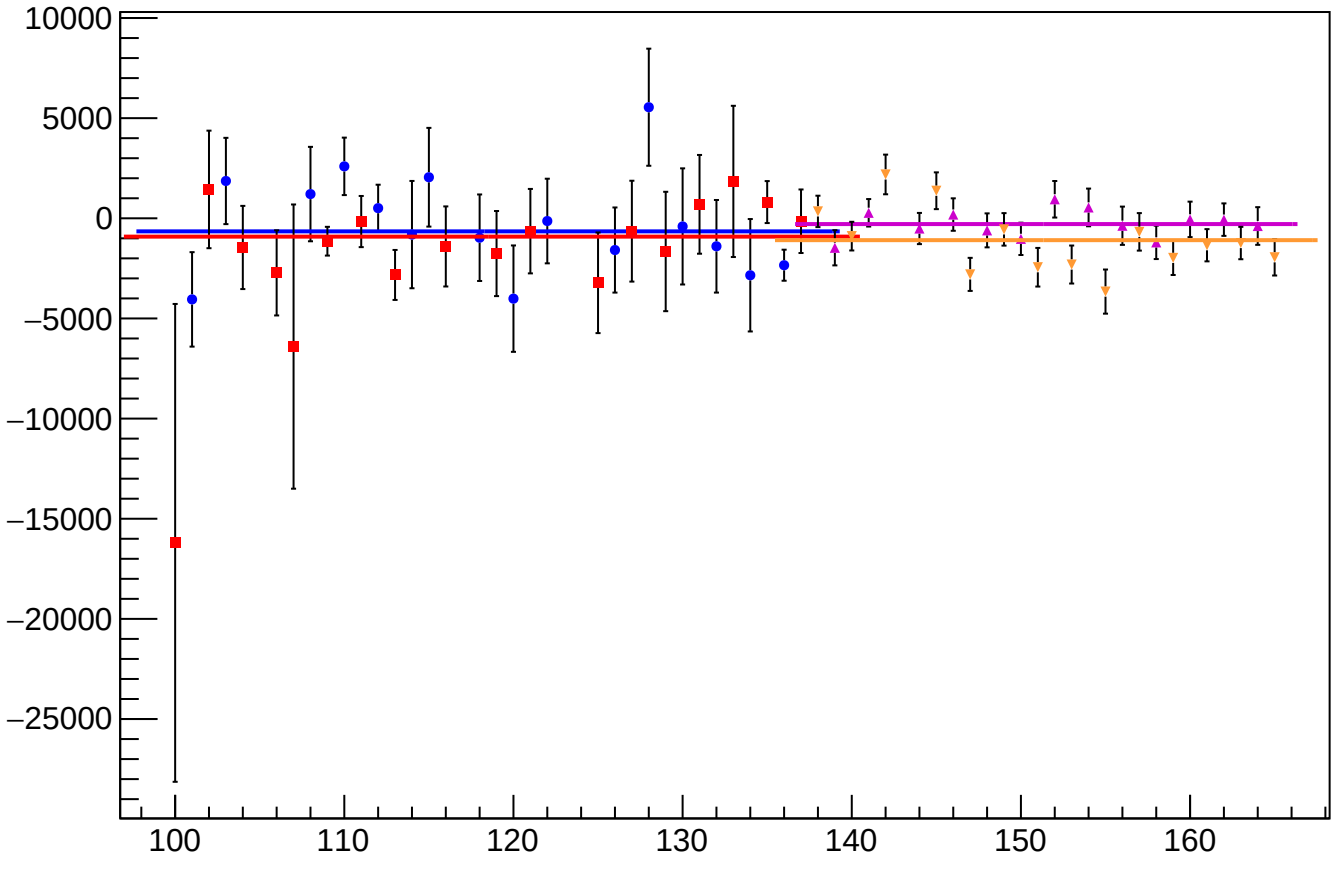
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

+ sign 1806.871+/-0.300 χ^2/NDF: 305902.6/29

All: 1806.500+/-0.212 χ^2/NDF: 417603.9/60

- sign 1806.131+/-0.300 χ^2/NDF: 111698.3/30



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1091.162+/-231.967 χ^2/NDF:37.7/13

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

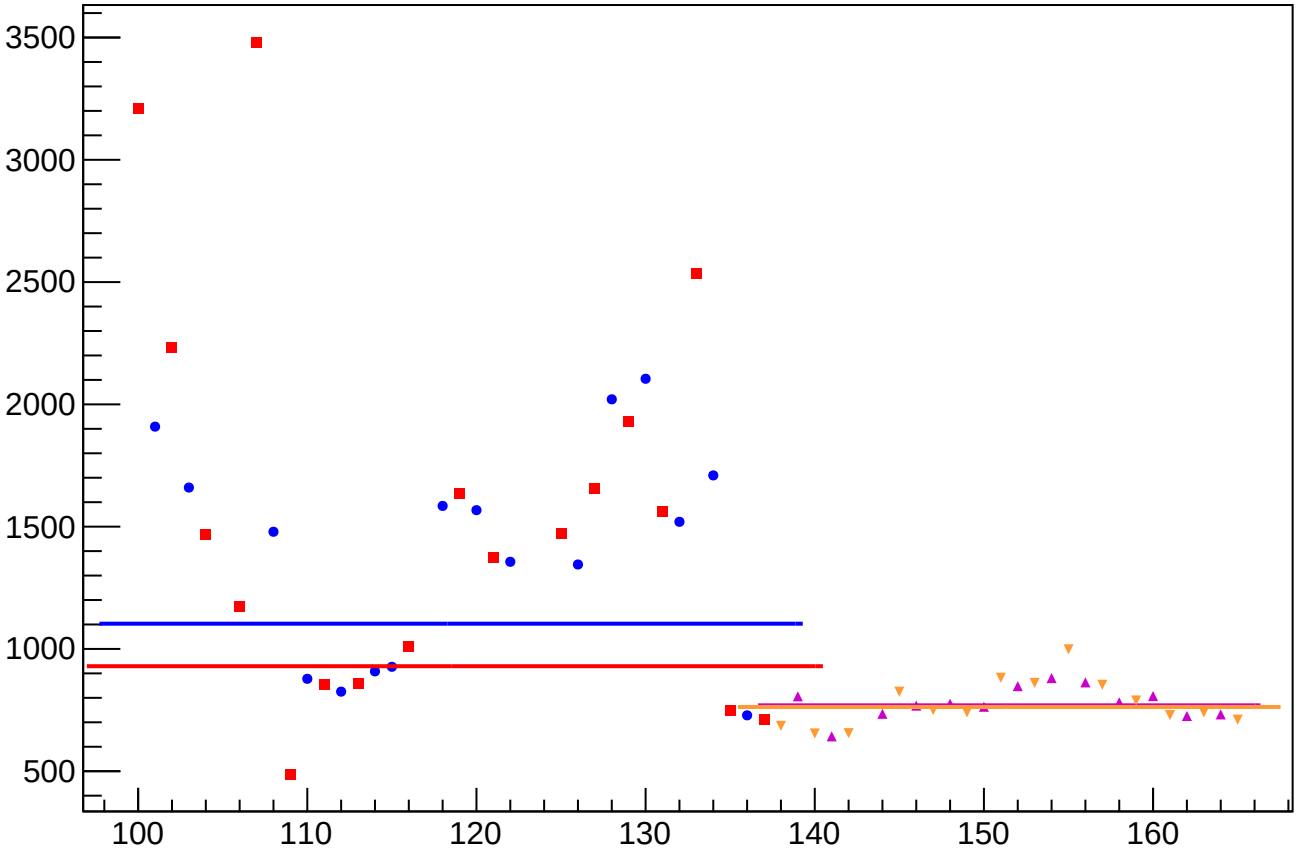
Left In: -287.996+/-233.699 χ^2/NDF:7.9/12

+ sign -996.359+/-205.412 χ^2/NDF: 61.7/29

All: -717.890+/-143.635 χ^2/NDF: 86.6/60

- sign -451.459+/-200.923 χ^2/NDF: 21.3/30

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: 762.652+/-0.164 χ^2/NDF:275561.1/13

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

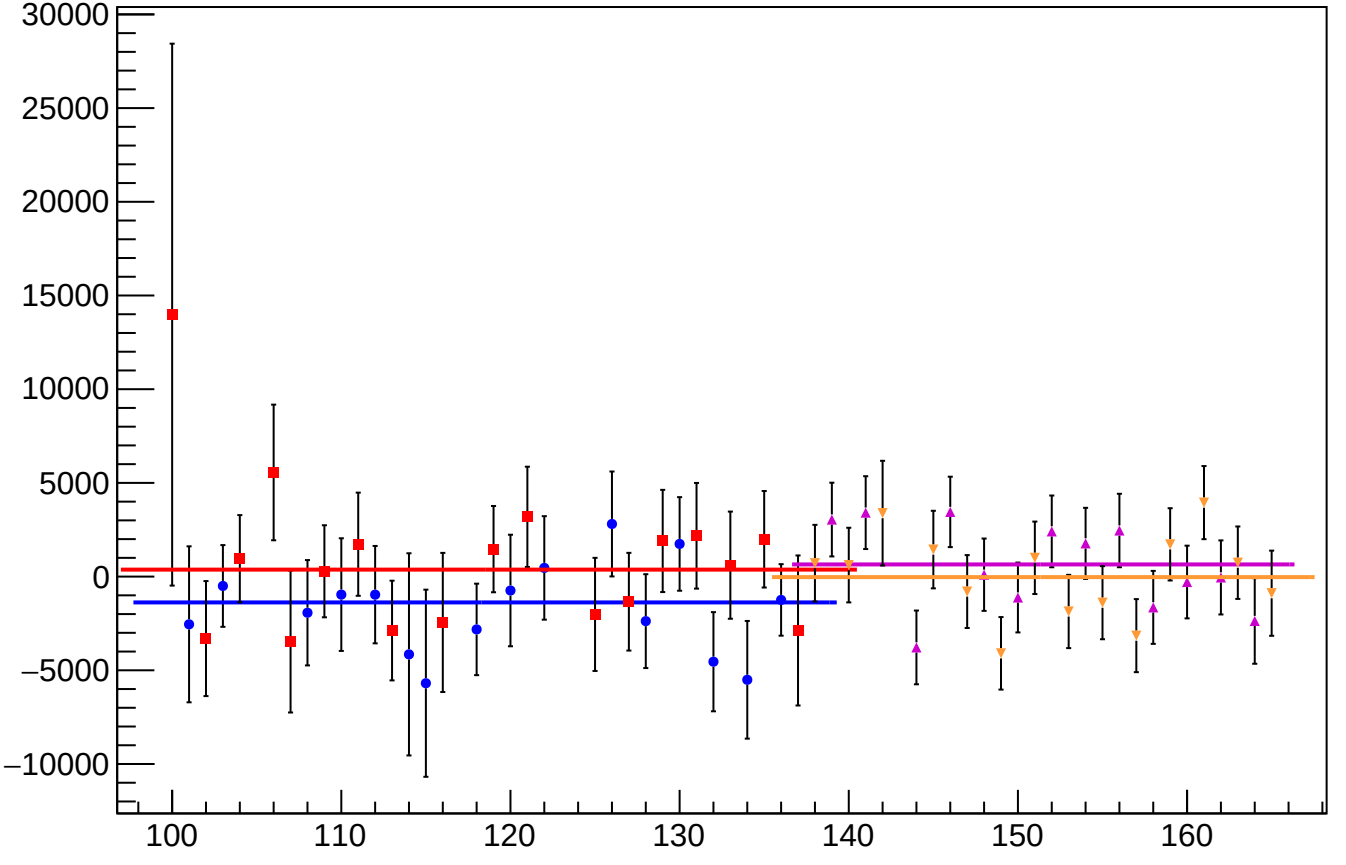
Left In: 769.443+/-0.165 χ^2/NDF:151172.4/12

+ sign 836.154+/-0.145 χ^2/NDF: 3084065.0/29

All: 823.377+/-0.102 χ^2/NDF: 6548720.6/60

- sign 811.152+/-0.142 χ^2/NDF: 3449513.5/30

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -27.810+/-539.721 χ^2/NDF:16.3/13

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

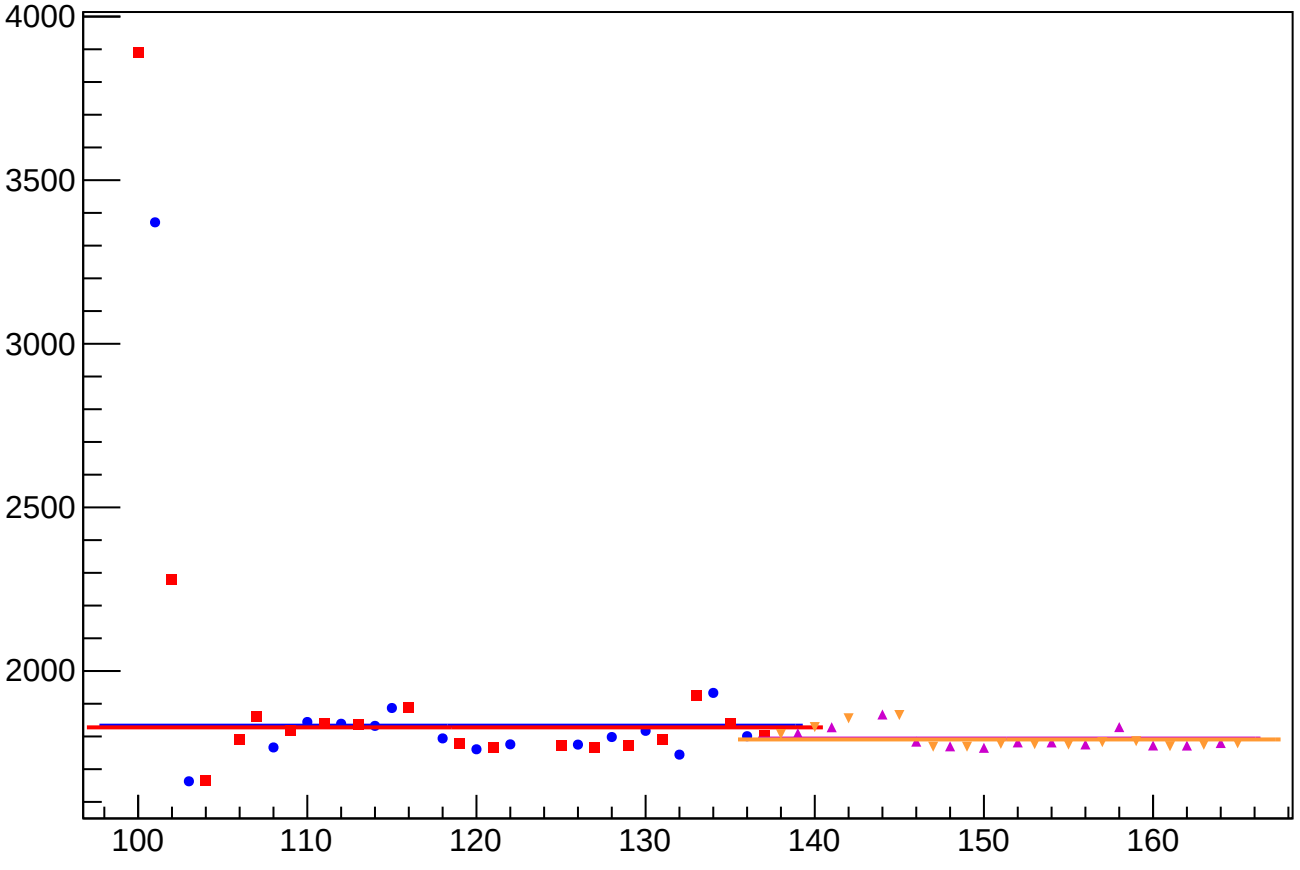
Left In: 649.223+/-541.552 χ^2/NDF:17.3/12

\+ sign -541.277+/-424.889 χ^2/NDF: 28.0/29

All: 0.967+/-300.369 χ^2/NDF: 60.6/60

\- sign 542.688+/-424.684 χ^2/NDF: 29.4/30

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1790.871+/-0.382 χ^2/NDF:5841.2/13

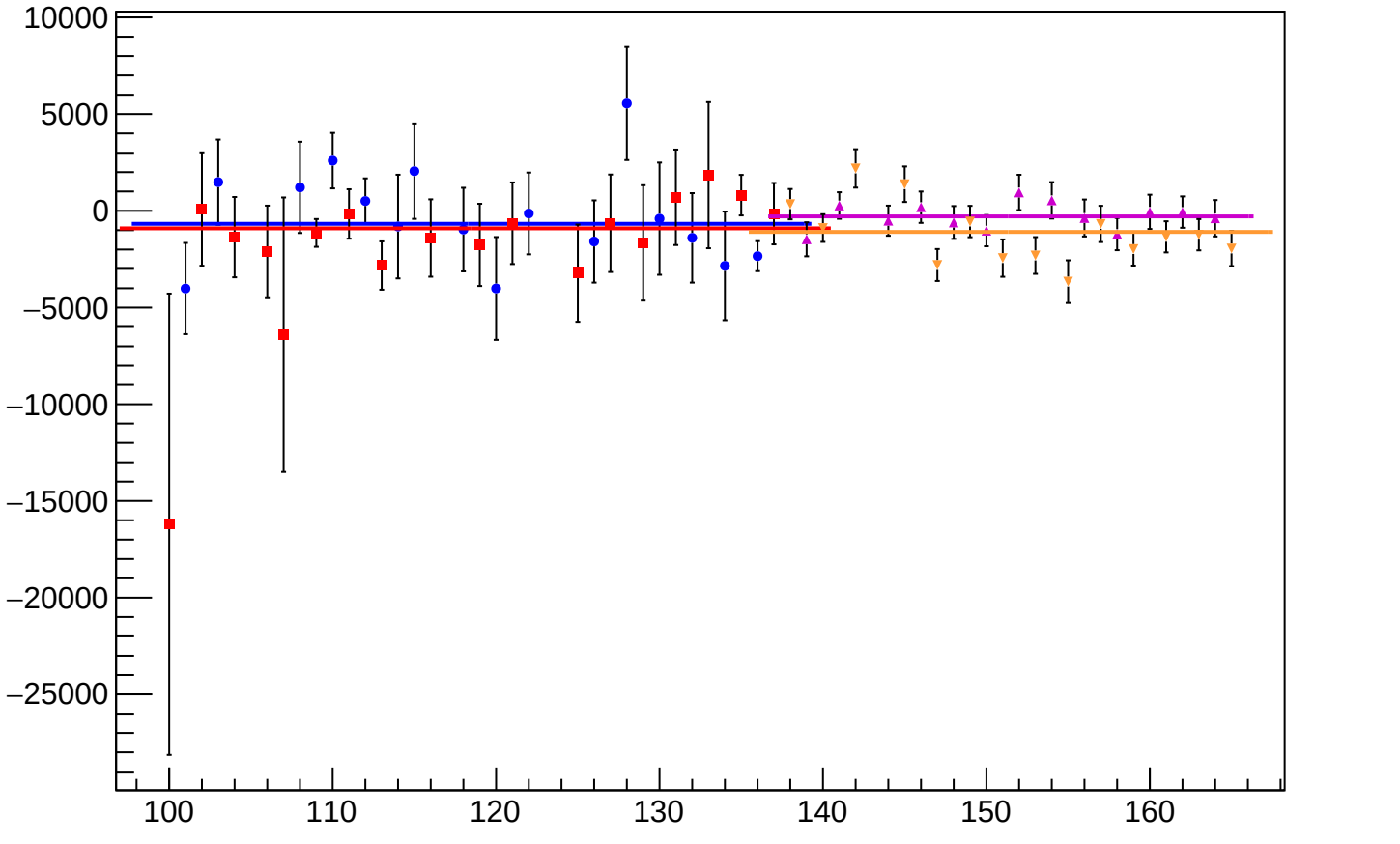
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

+ sign 1806.871+/-0.300 χ^2/NDF: 305904.4/29

All: 1806.798+/-0.212 χ^2/NDF: 417141.0/60

- sign 1806.726+/-0.300 χ^2/NDF: 111236.4/30



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1091.138+/-231.968 χ^2/NDF:37.7/13

Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

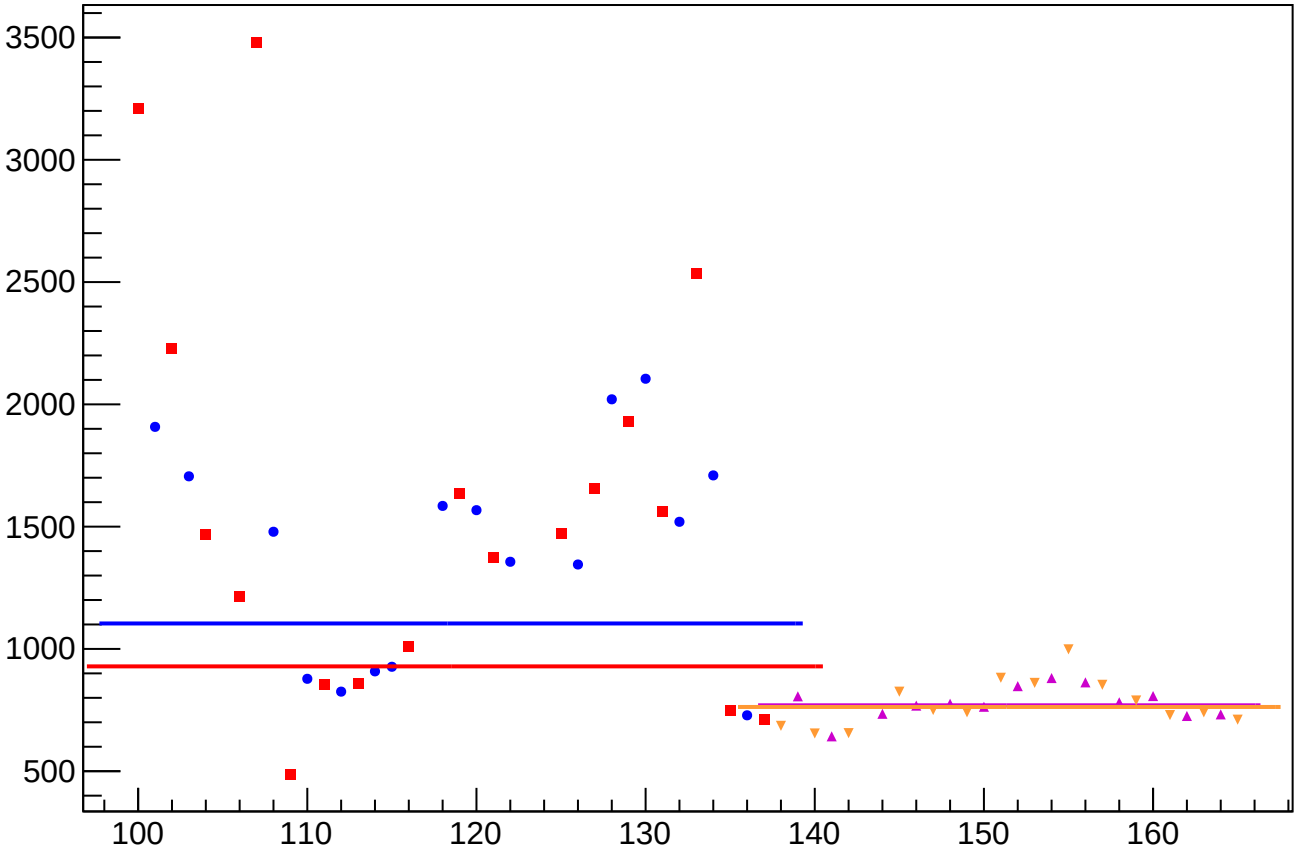
Left In: -287.886+/-233.700 χ^2/NDF:7.9/12

+ sign -1000.472+/-205.450 χ^2/NDF: 61.2/29

All: -718.456+/-143.716 χ^2/NDF: 85.0/60

- sign -448.232+/-201.109 χ^2/NDF: 20.2/30

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 762.657+/-0.164 χ^2/NDF:275531.4/13

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

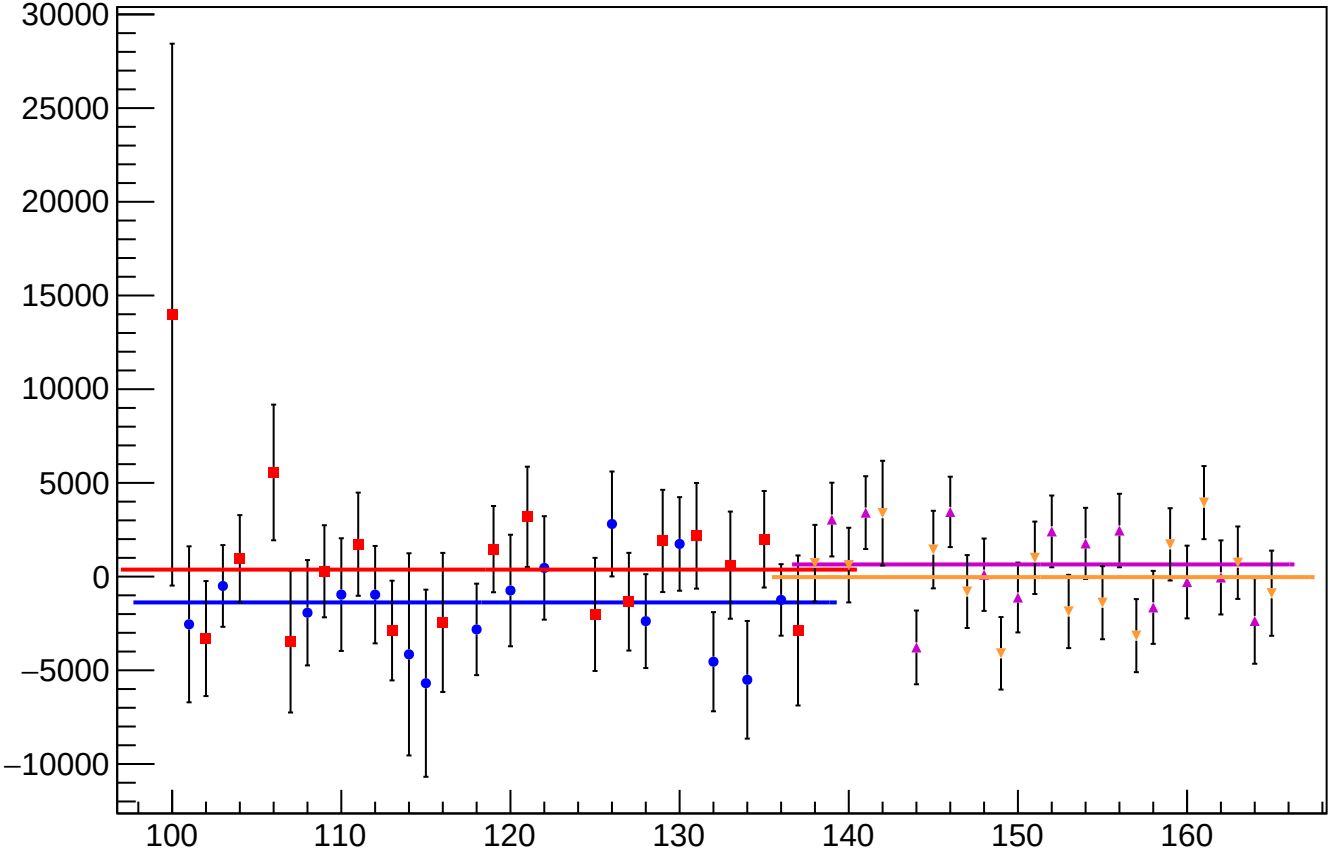
Left In: 769.447+/-0.165 χ^2/NDF:151219.8/12

\+ sign 836.261+/-0.145 χ^2/NDF: 3104112.2/29

All: 823.233+/-0.102 χ^2/NDF: 6566217.9/60

\- sign 810.749+/-0.142 χ^2/NDF: 3446357.1/30

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: -27.810+/-539.721 χ^2/NDF:16.3/13

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

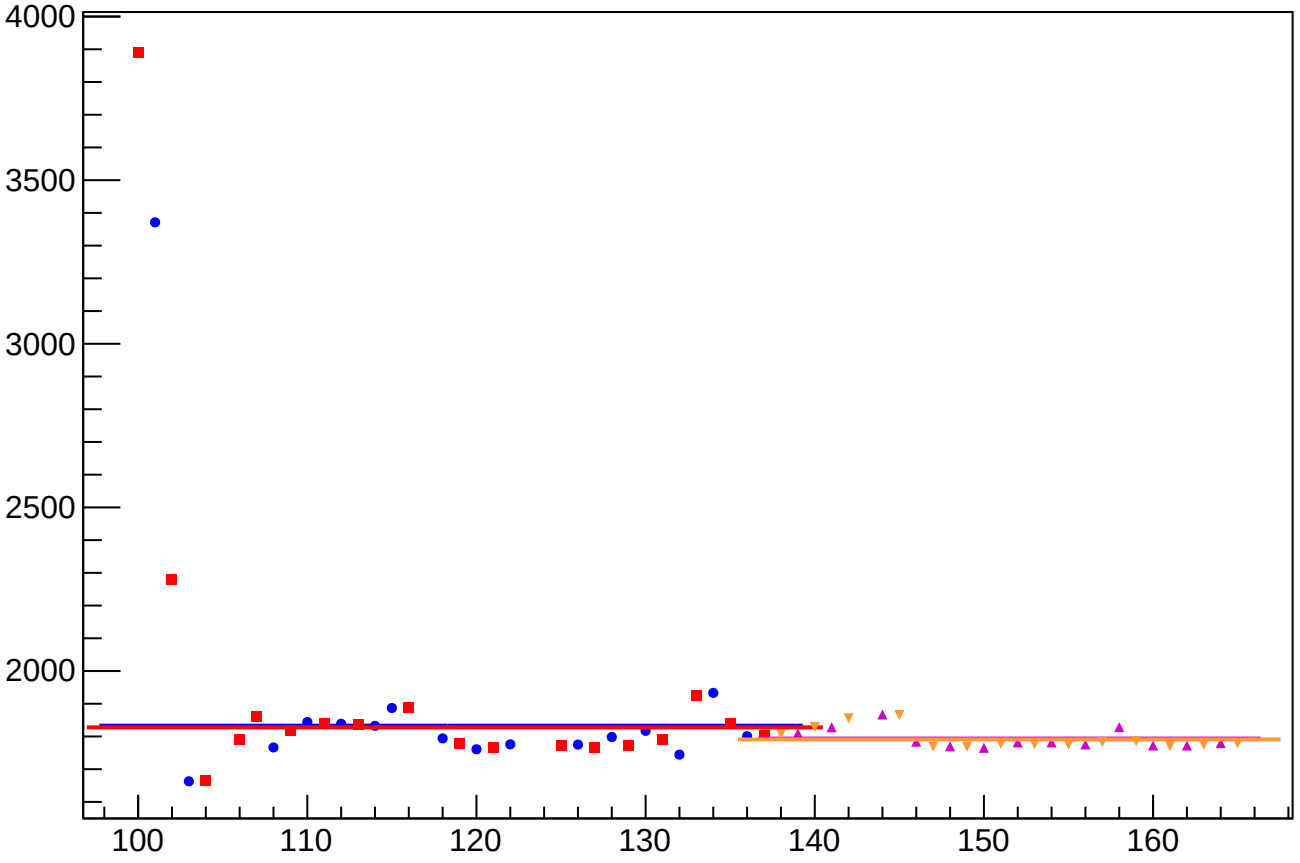
Left In: 649.223+/-541.552 χ^2/NDF:17.3/12

+ sign -541.277+/-424.889 χ^2/NDF: 28.0/29

All: 0.967+/-300.369 χ^2/NDF: 60.6/60

- sign 542.688+/-424.684 χ^2/NDF: 29.4/30

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: 1790.871+/-0.382 χ^2/NDF:5841.2/13

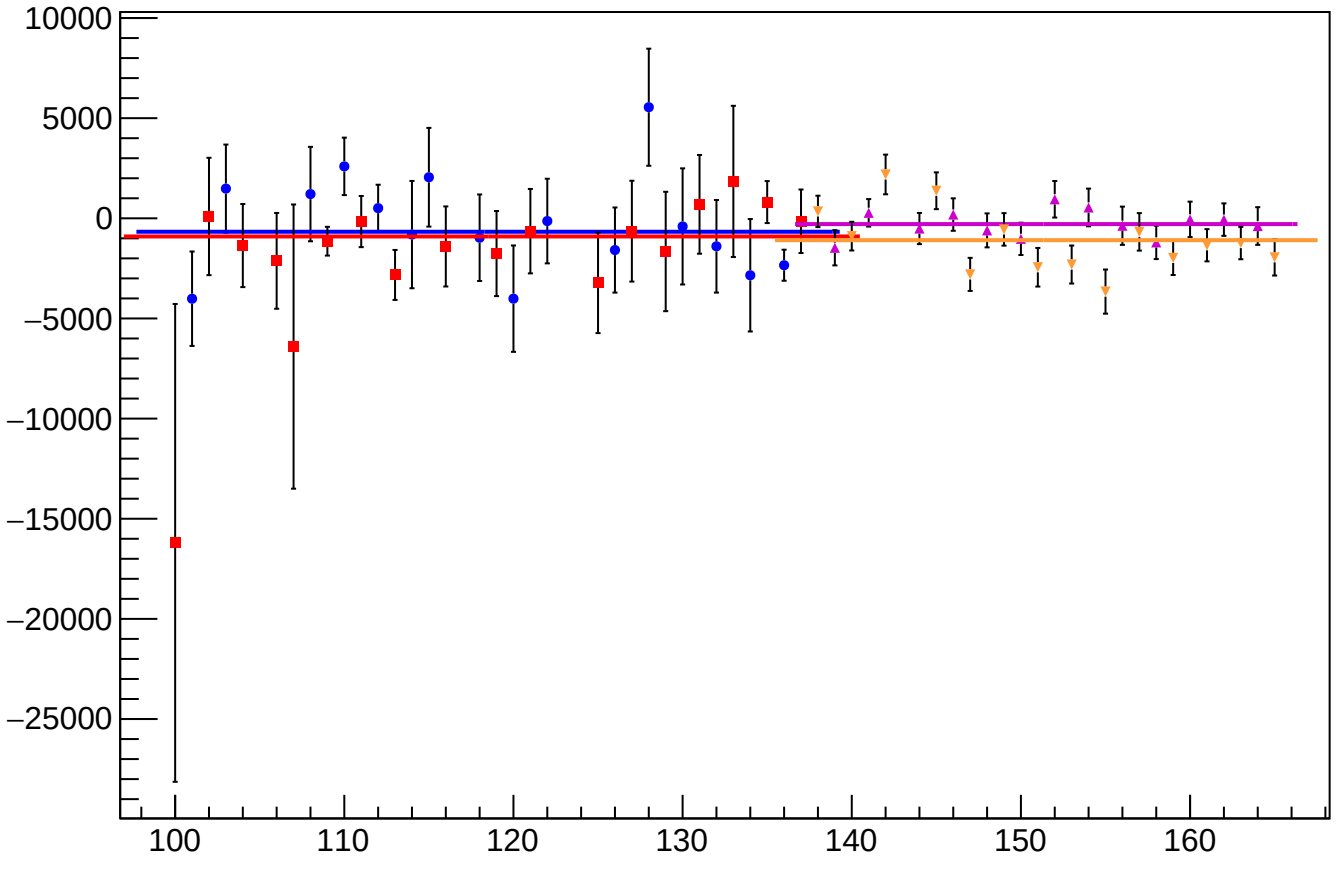
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

+ sign 1806.871+/-0.300 χ^2/NDF: 305904.4/29

All: 1806.798+/-0.212 χ^2/NDF: 417141.0/60

- sign 1806.726+/-0.300 χ^2/NDF: 111236.4/30



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1091.138+/-231.968 χ^2/NDF:37.7/13

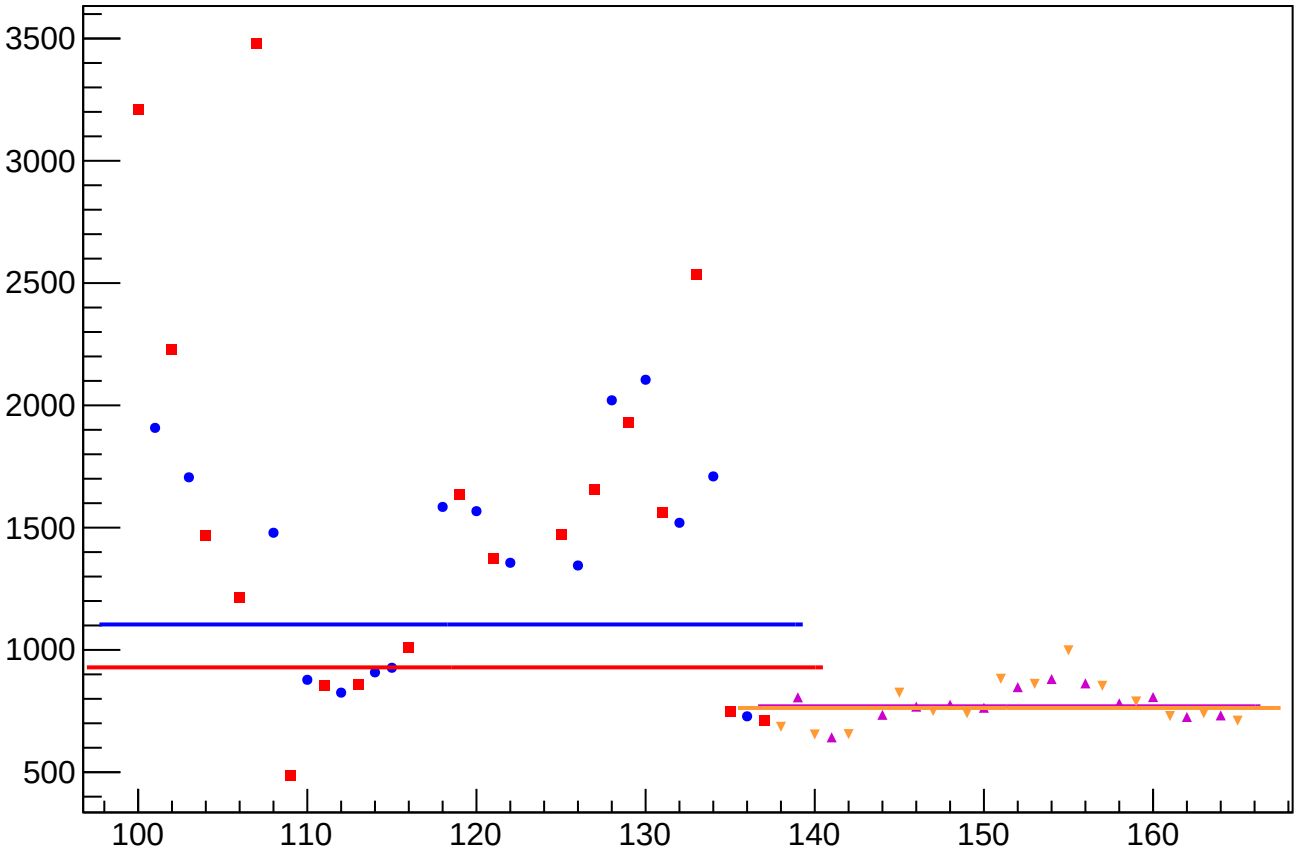
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -287.886+/-233.700 χ^2/NDF:7.9/12

+ sign -1000.472+/-205.450 χ^2/NDF: 61.2/29

All: -718.456+/-143.716 χ^2/NDF: 85.0/60

- sign -448.232+/-201.109 χ^2/NDF: 20.2/30



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 762.657+/-0.164 χ^2/NDF:275531.4/13

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

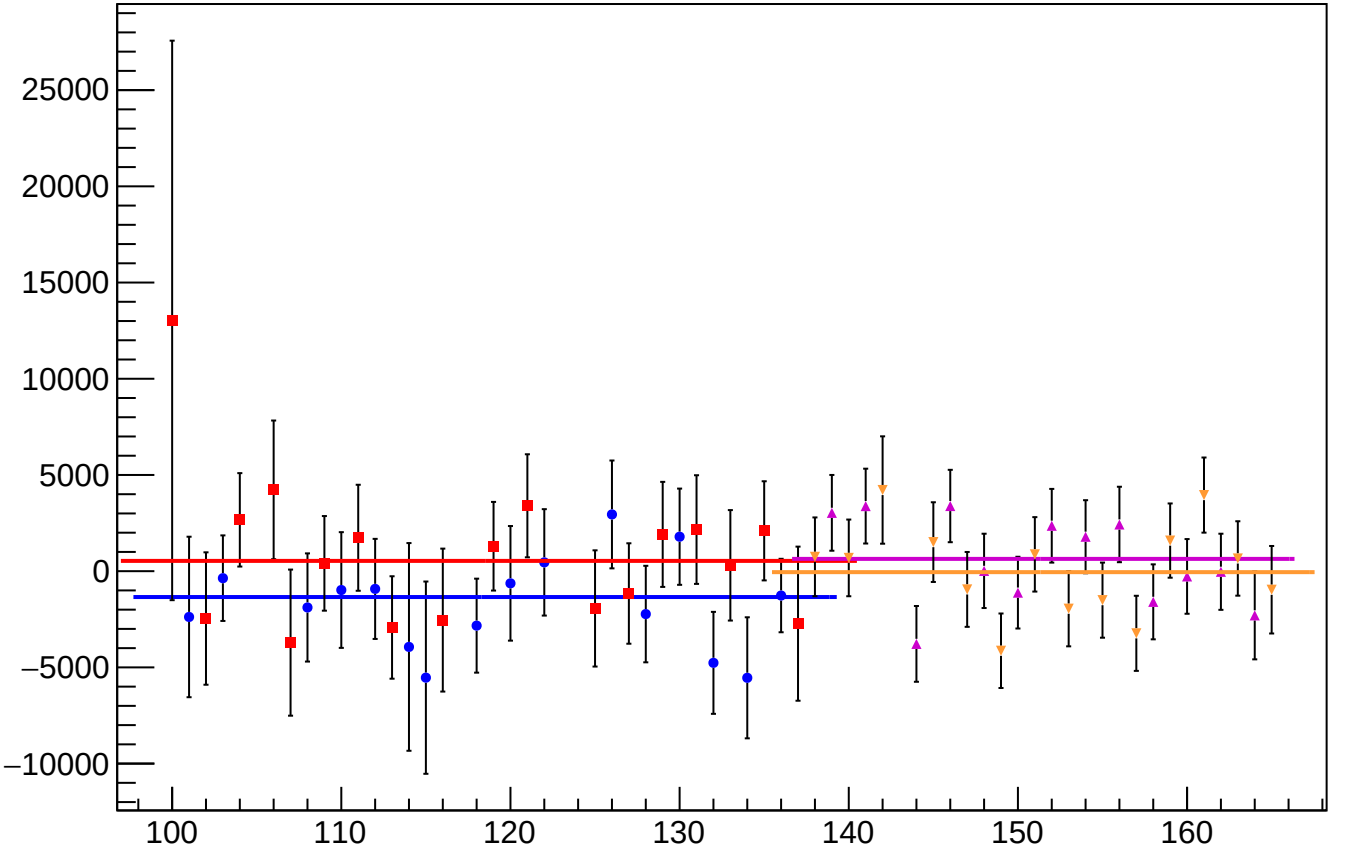
Left In: 769.447+/-0.165 χ^2/NDF:151219.8/12

+ sign 836.261+/-0.145 χ^2/NDF: 3104112.2/29

All: 823.233+/-0.102 χ^2/NDF: 6566217.9/60

- sign 810.749+/-0.142 χ^2/NDF: 3446357.1/30

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -50.486+/-540.070 χ^2/NDF:17.5/13

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

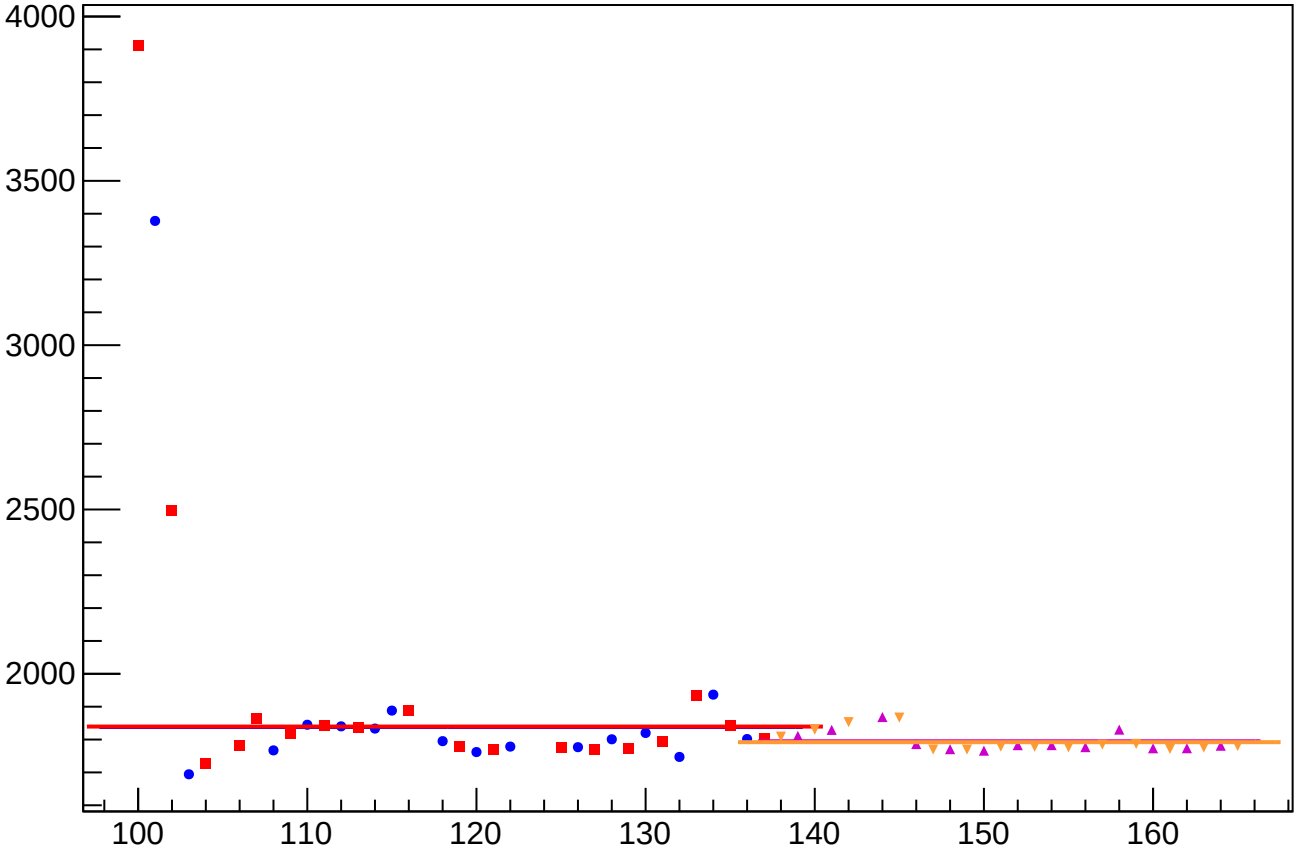
Left In: 638.462+/-541.922 χ^2/NDF:16.9/12

+ sign -541.040+/-425.507 χ^2/NDF: 29.3/29

All: 27.637+/-301.200 χ^2/NDF: 60.9/60

- sign 598.752+/-426.418 χ^2/NDF: 28.1/30

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.023+/-0.382 χ^2/NDF:5742.8/13

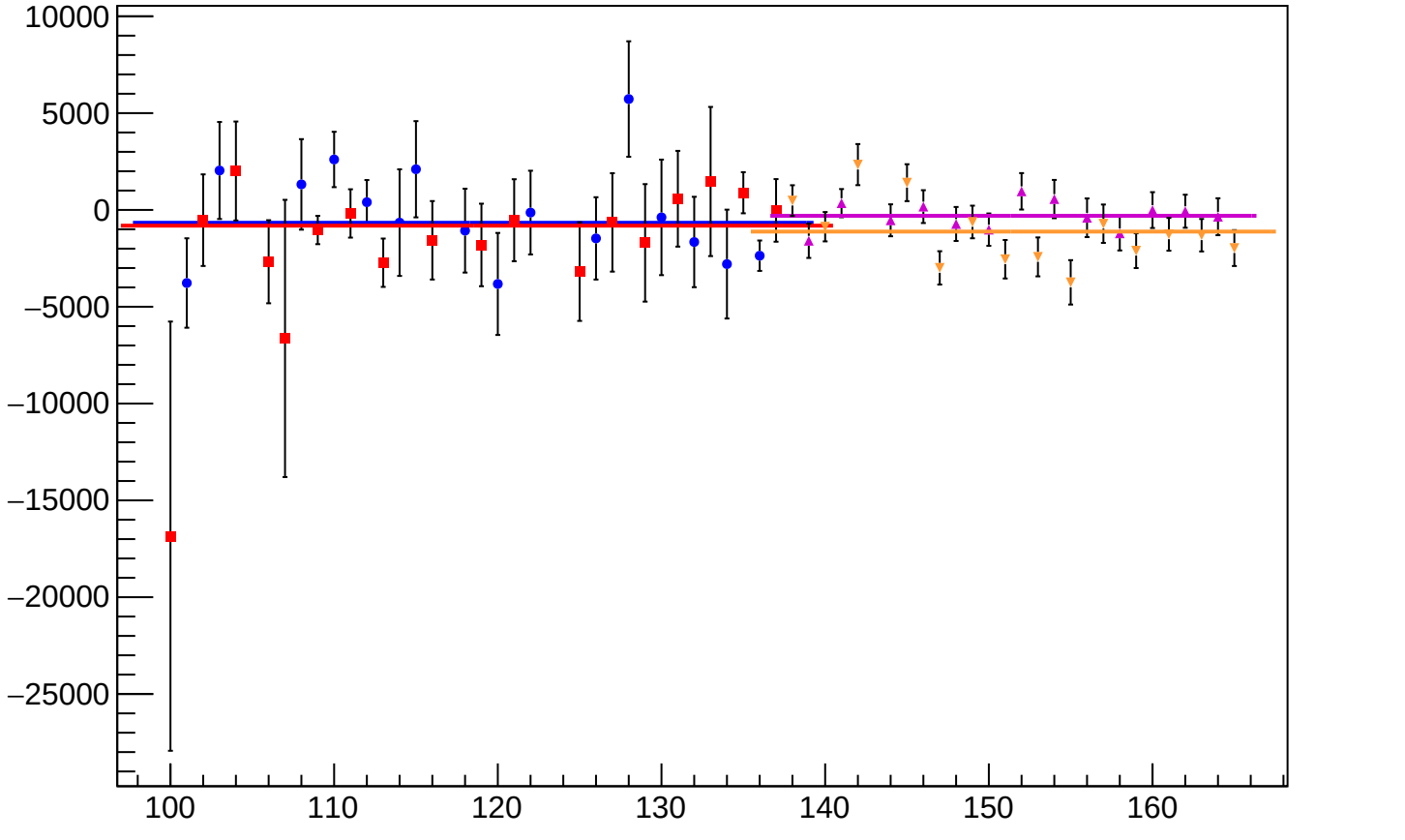
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1794.763+/-0.383 χ^2/NDF:5920.0/12

+ sign 1809.520+/-0.301 χ^2/NDF: 303262.2/29

All: 1810.662+/-0.213 χ^2/NDF: 442659.5/60

- sign 1811.808+/-0.302 χ^2/NDF: 139368.4/30



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1118.010+/-241.947 χ^2/NDF:38.2/13

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

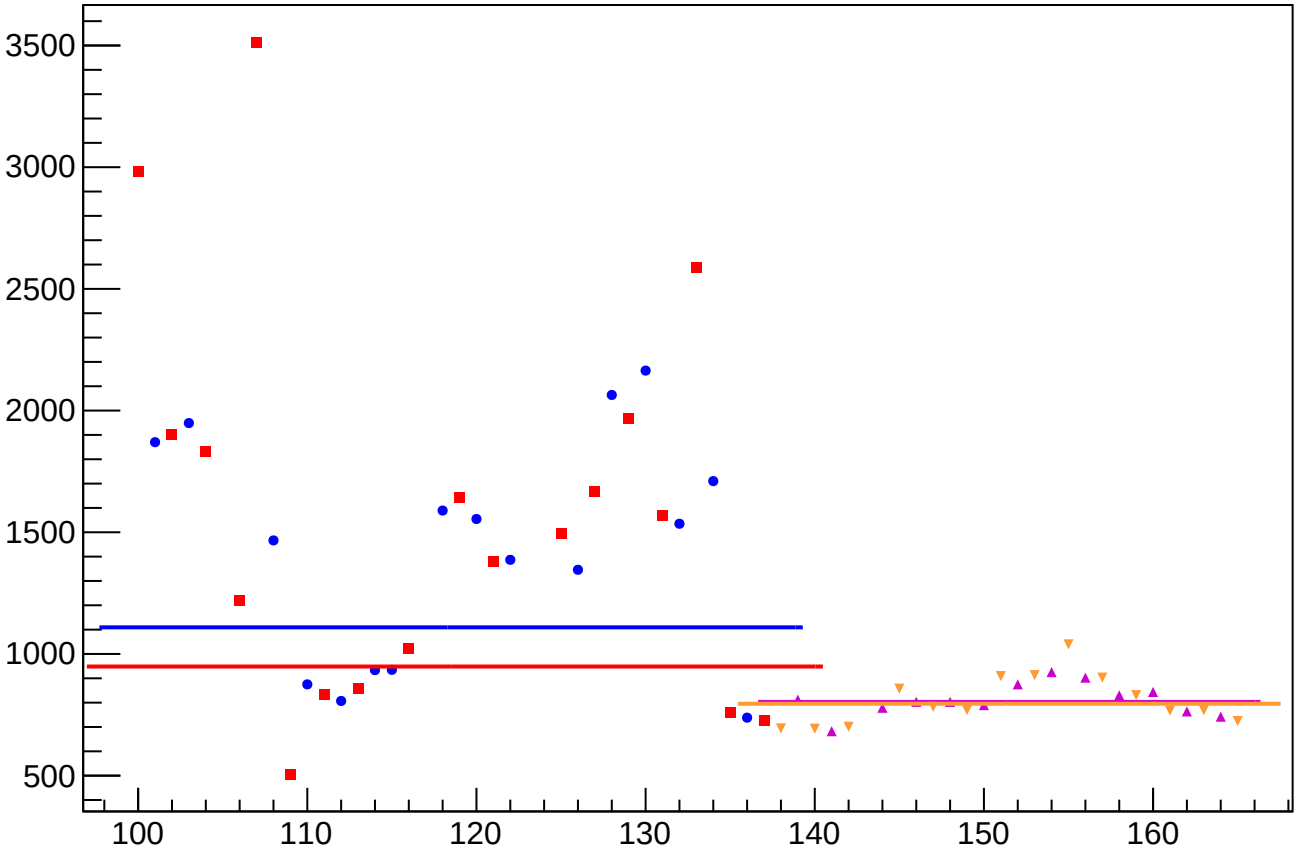
Left In: -302.587+/-243.759 χ^2/NDF:8.1/12

+ sign -1014.629+/-212.659 χ^2/NDF: 61.8/29

All: -721.641+/-148.608 χ^2/NDF: 87.0/60

- sign -442.012+/-207.754 χ^2/NDF: 21.5/30

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 795.490+/-0.171 χ^2/NDF:282673.3/13

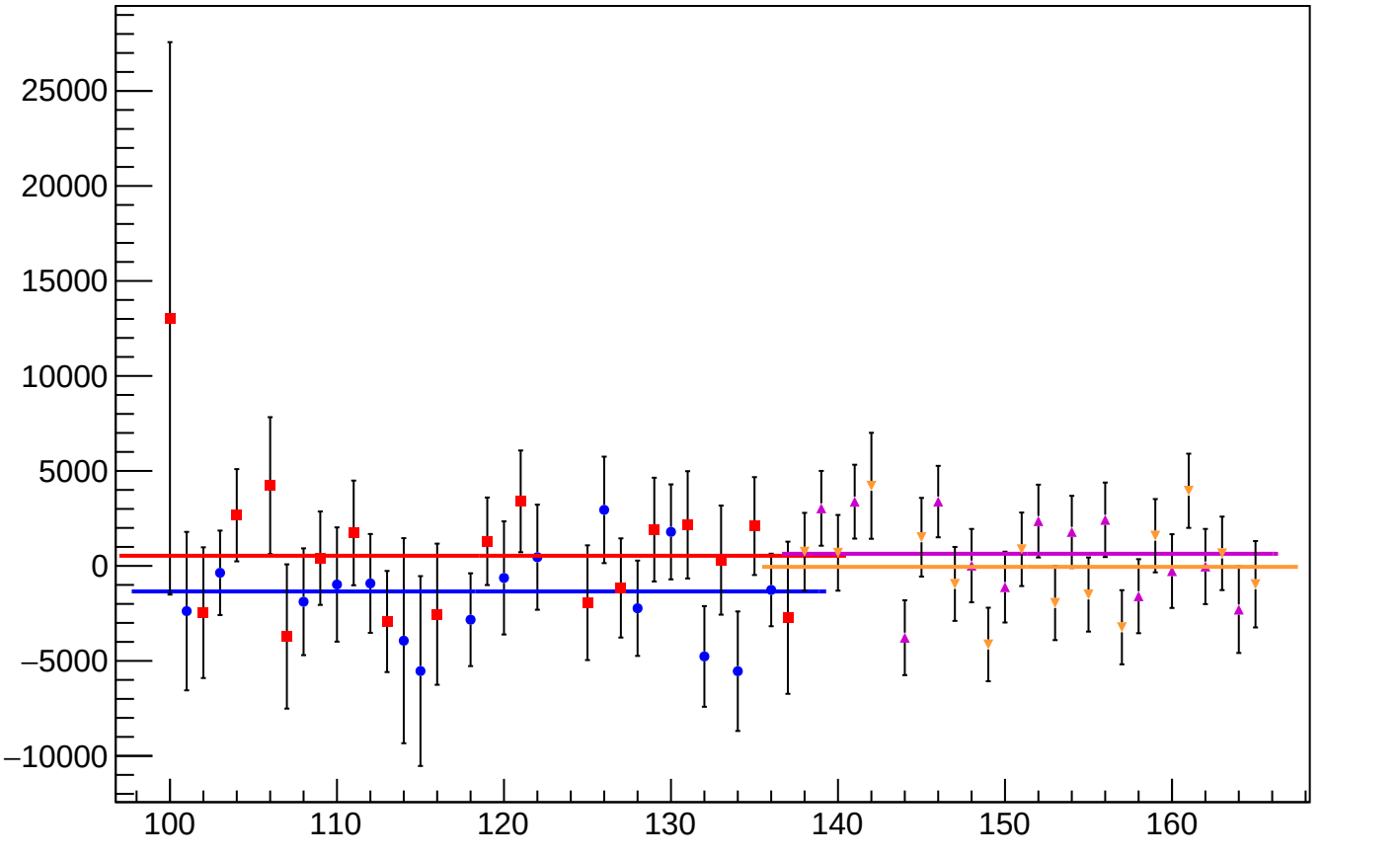
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 803.072+/-0.172 χ^2/NDF:137642.8/12

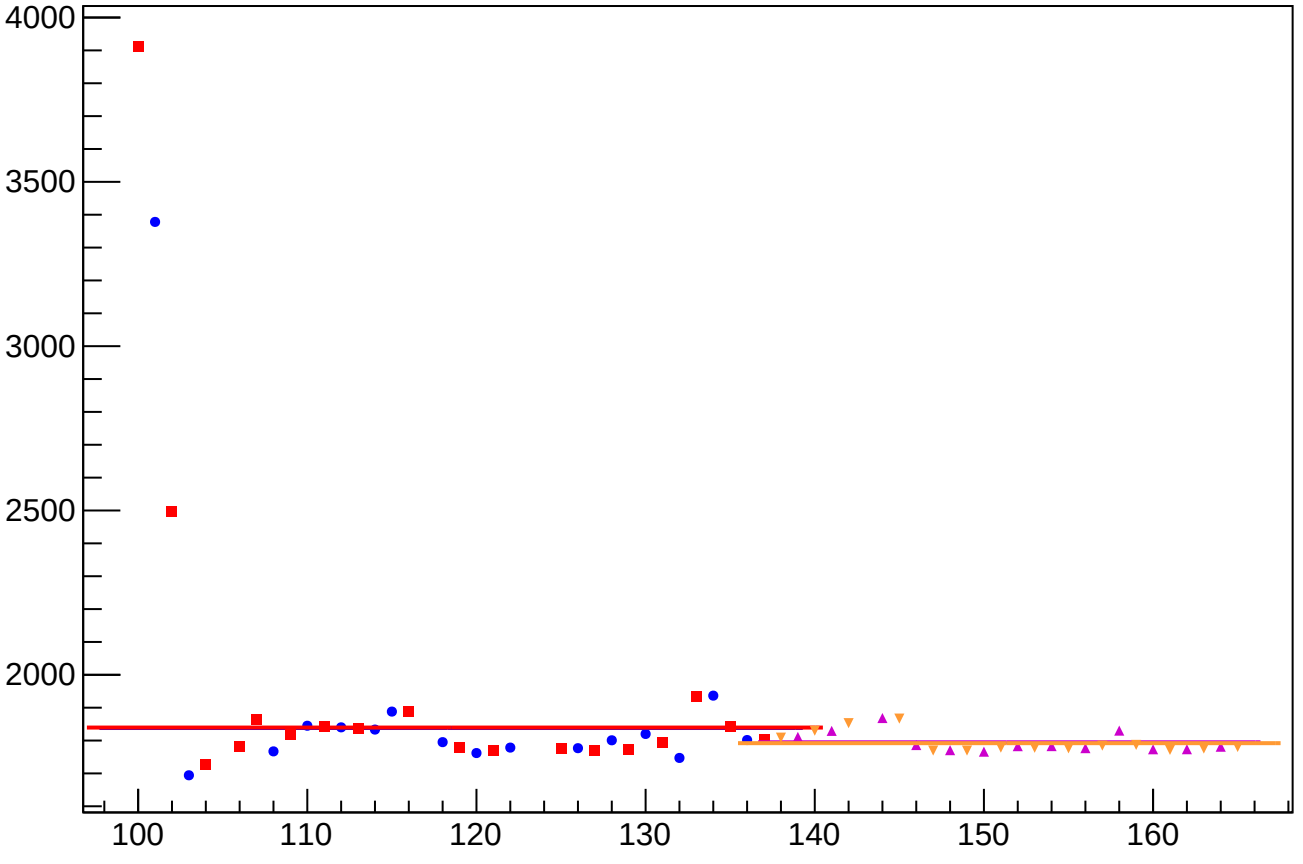
+ sign 866.880+/-0.150 χ^2/NDF: 3021597.0/29

All: 854.581+/-0.105 χ^2/NDF: 6420586.1/60

- sign 842.843+/-0.147 χ^2/NDF: 3385915.2/30


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -50.484+/-540.070 χ²/NDF:17.5/13
Right Out: 534.199+/-690.970 χ²/NDF: 11.1/17
Left In: 638.461+/-541.922 χ²/NDF:16.9/12
+ sign -541.040+/-425.507 χ²/NDF: 29.3/29
All: 27.637+/-301.200 χ²/NDF: 60.9/60
- sign 598.753+/-426.418 χ²/NDF: 28.1/30

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: 1792.023+/-0.382 χ^2/NDF:5742.8/13

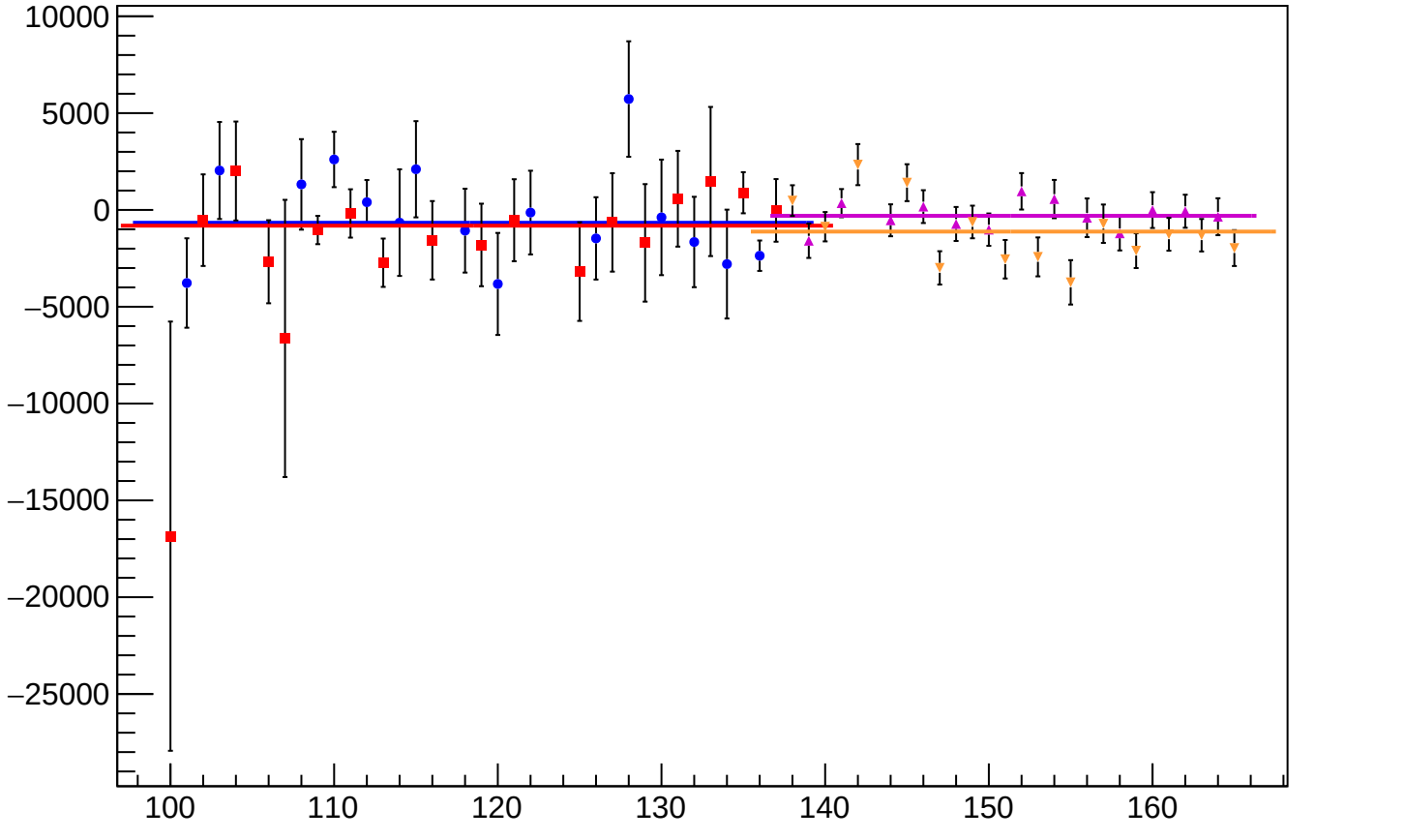
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1794.763+/-0.383 χ^2/NDF:5920.1/12

+ sign 1809.520+/-0.301 χ^2/NDF: 303262.2/29

All: 1810.662+/-0.213 χ^2/NDF: 442659.5/60

- sign 1811.808+/-0.302 χ^2/NDF: 139368.5/30



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -1118.016+/-241.948 χ^2/NDF:38.2/13

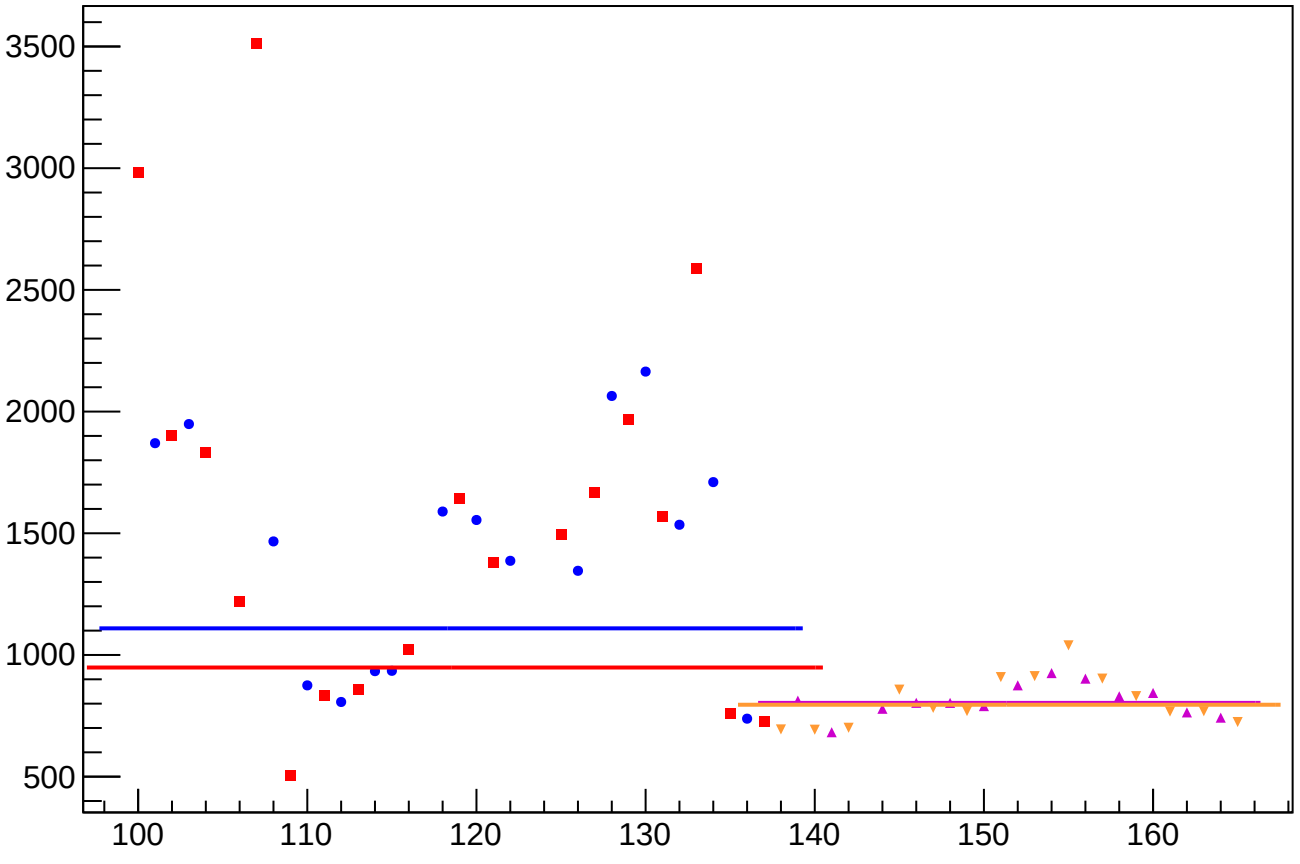
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -302.584+/-243.759 χ^2/NDF:8.1/12

+ sign -1014.630+/-212.659 χ^2/NDF: 61.8/29

All: -721.641+/-148.608 χ^2/NDF: 87.0/60

- sign -442.012+/-207.754 χ^2/NDF: 21.5/30



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 795.492+/-0.171 χ^2/NDF:282660.7/13

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

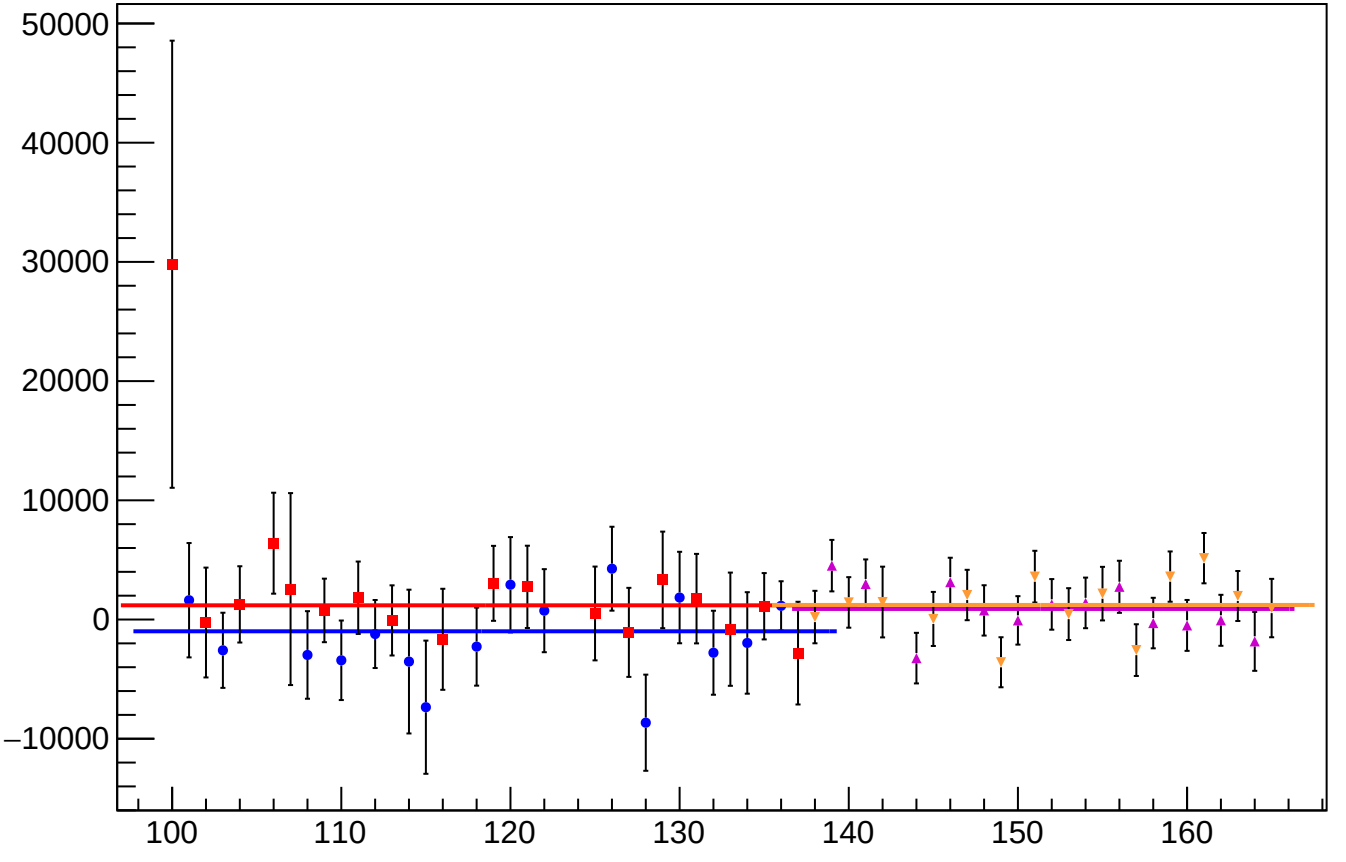
Left In: 803.072+/-0.172 χ^2/NDF:137646.3/12

+ sign 866.882+/-0.150 χ^2/NDF: 3021549.7/29

All: 854.583+/-0.105 χ^2/NDF: 6420522.3/60

- sign 842.844+/-0.147 χ^2/NDF: 3385897.6/30

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1222.906+/-590.735 χ^2/NDF:15.3/13

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

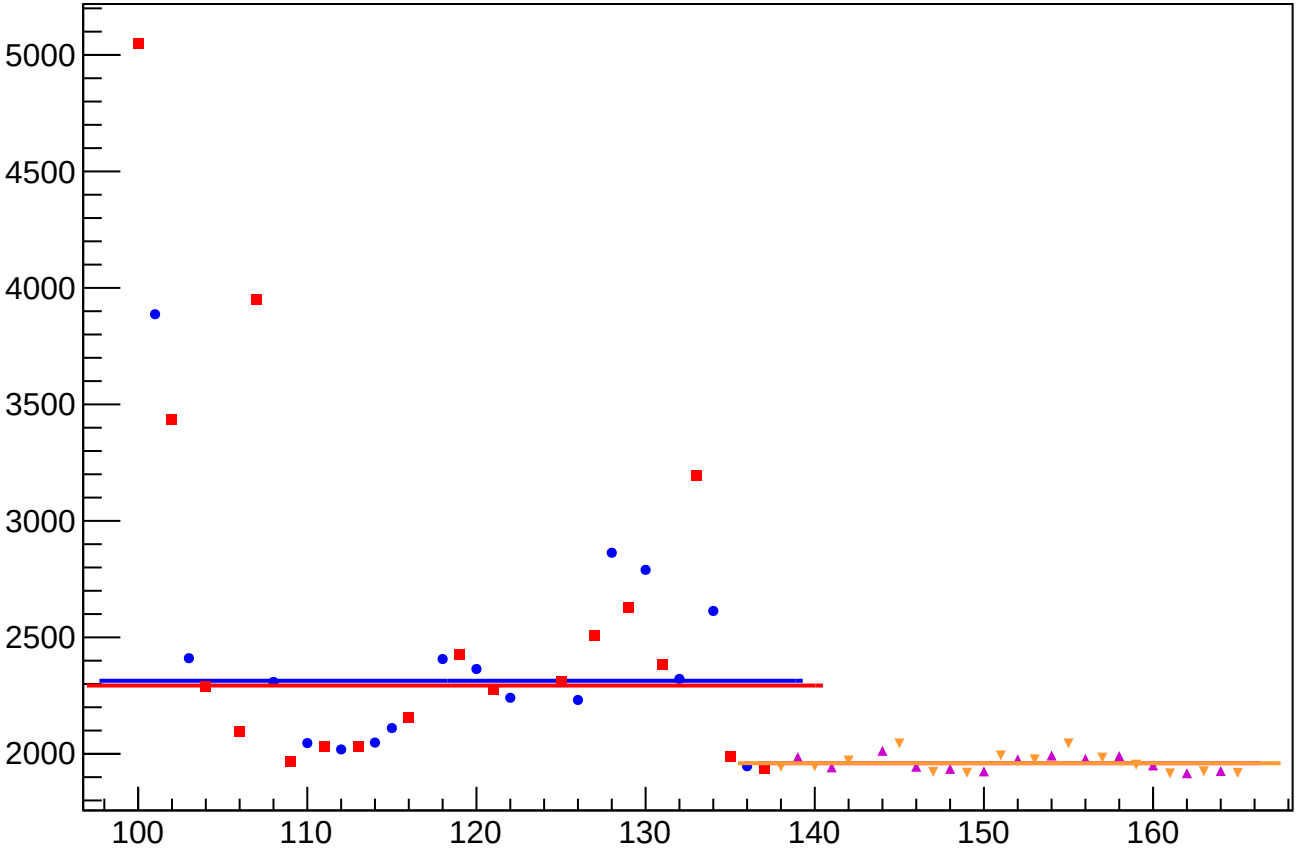
Left In: 886.259+/-591.879 χ^2/NDF:12.0/12

+ sign 529.578+/-489.398 χ^2/NDF: 31.7/29

All: 756.259+/-346.073 χ^2/NDF: 51.2/60

- sign 982.984+/-489.444 χ^2/NDF: 19.1/30

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1959.847+/-0.418 χ^2/NDF:10078.3/13

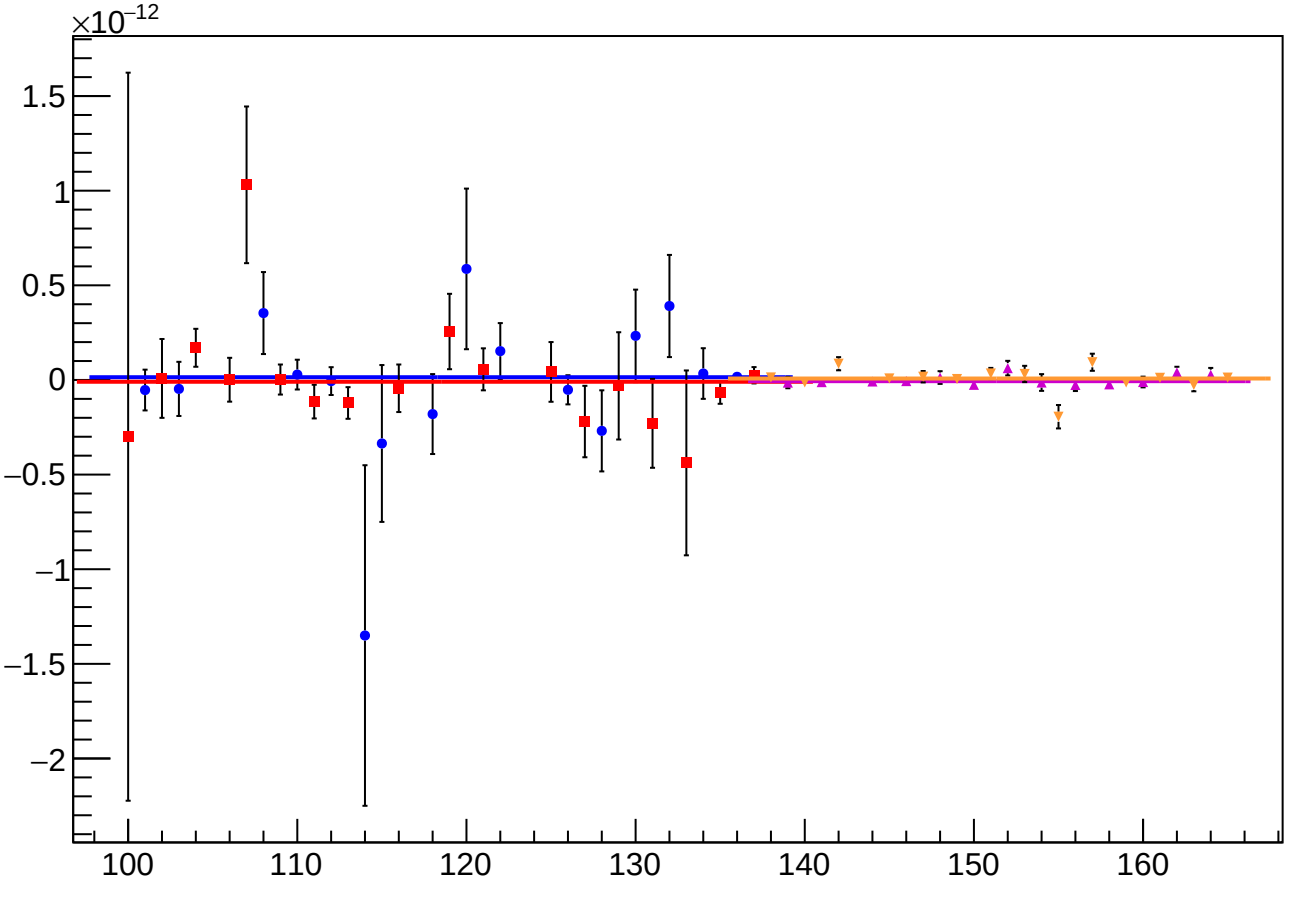
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1960.121+/-0.419 χ^2/NDF:5040.8/12

+ sign 2070.850+/-0.346 χ^2/NDF: 637974.5/29

All: 2068.155+/-0.245 χ^2/NDF: 1296690.6/60

- sign 2065.459+/-0.346 χ^2/NDF: 658594.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/13

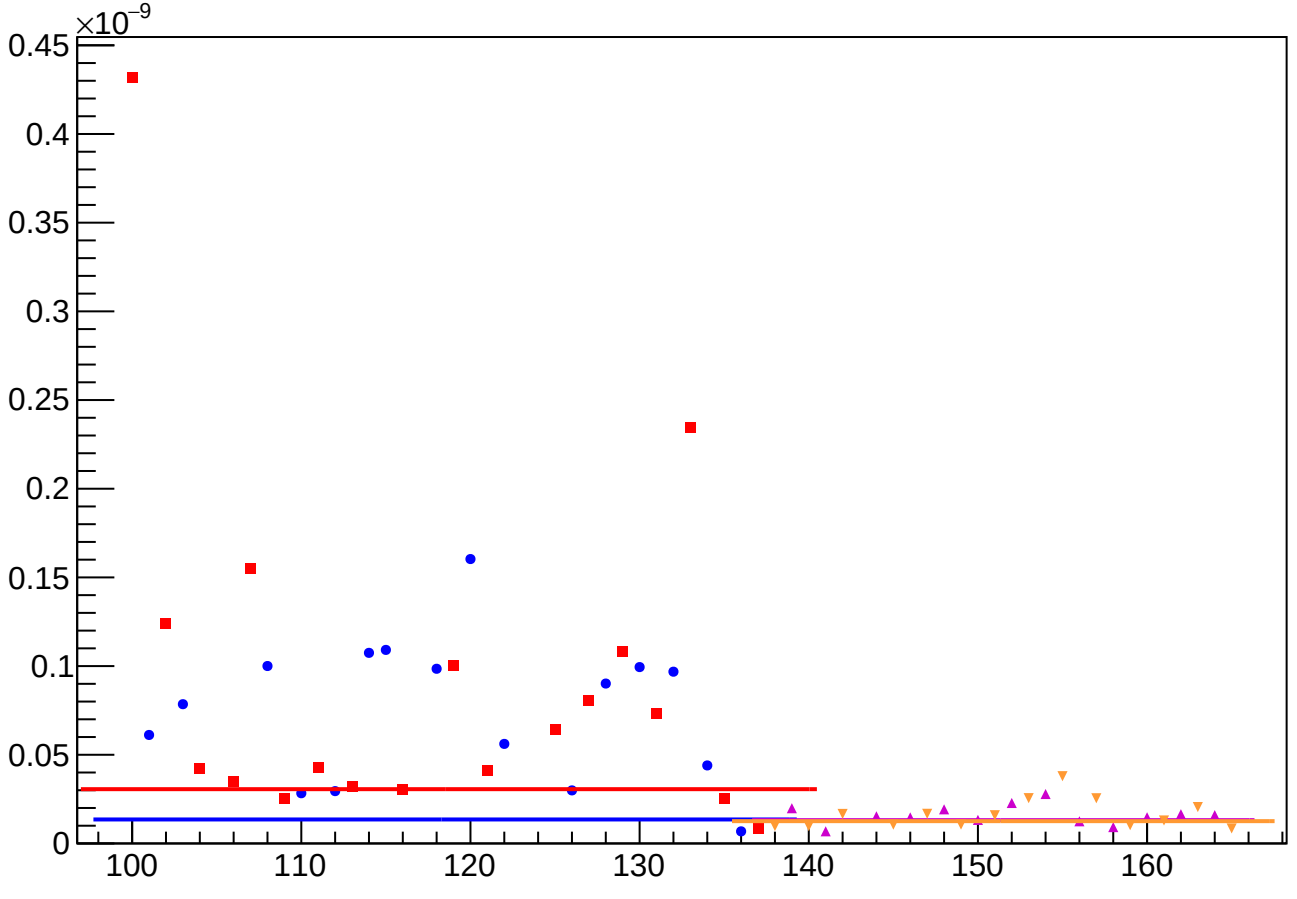
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:8.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 39.1/29

All: 0.000+/-0.000 χ^2/NDF: 70.4/60

- sign -0.000+/-0.000 χ^2/NDF: 28.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1108566.9/13

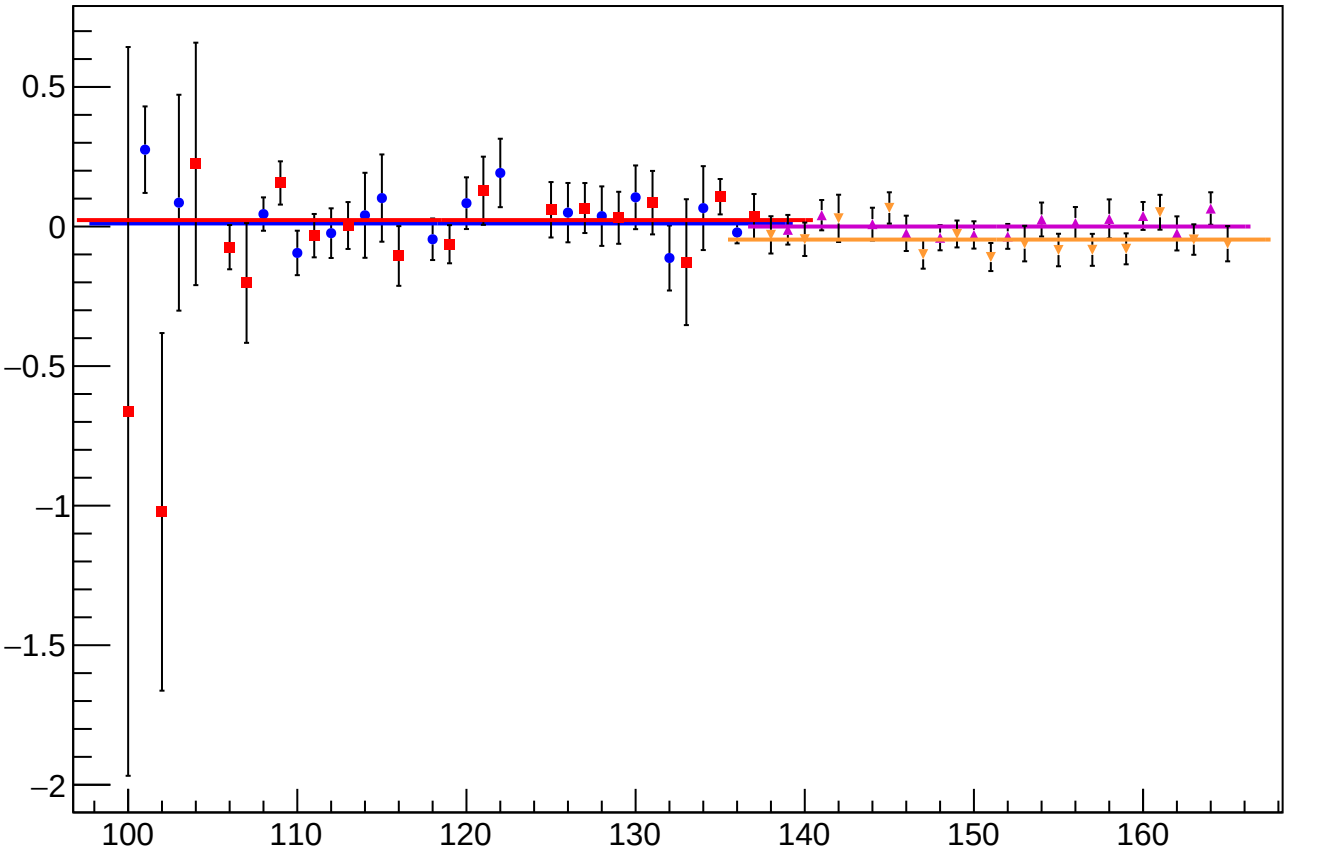
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1049631.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 4532118.1/29

All: 0.000+/-0.000 χ^2/NDF: 8973522.7/60

- sign 0.000+/-0.000 χ^2/NDF: 4366182.8/30



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/13

Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

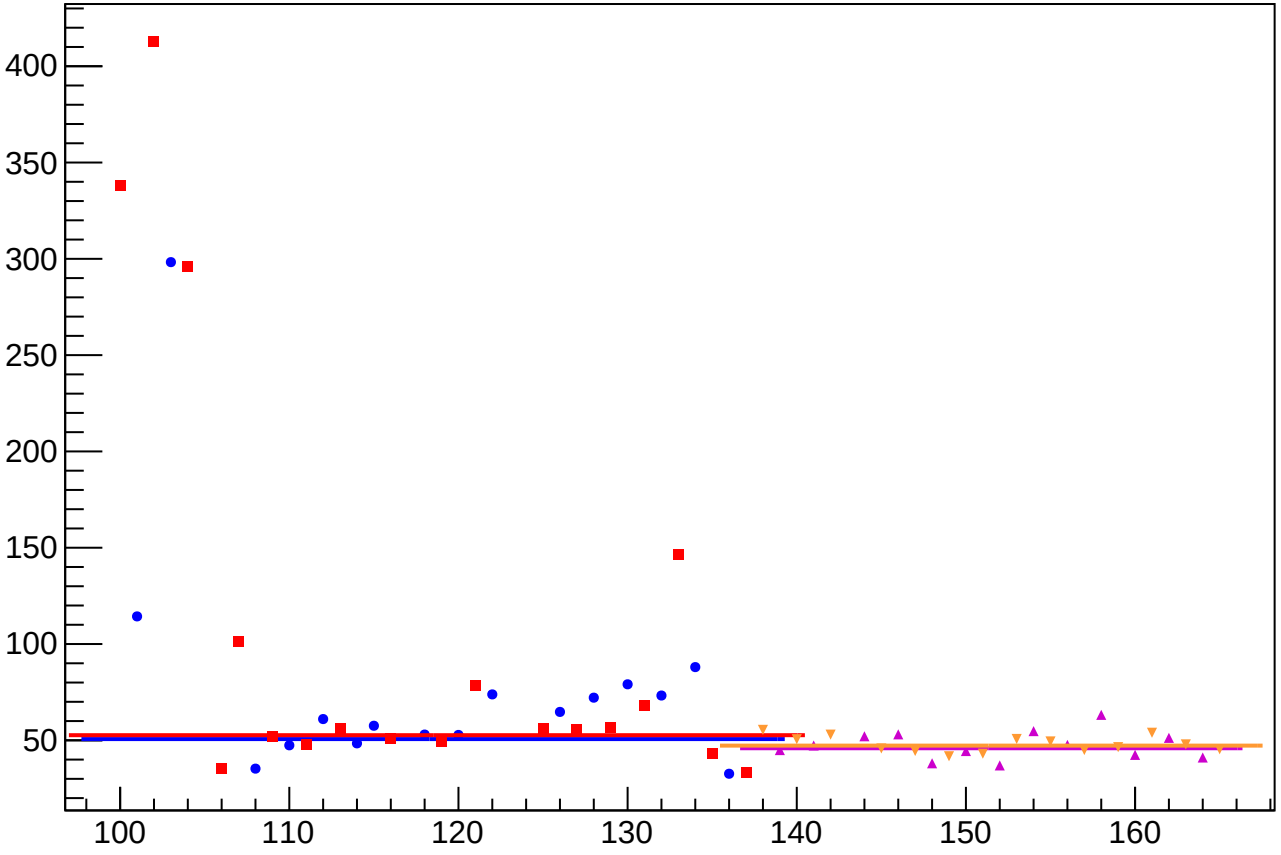
Left In: -0.000+/-0.015 χ^2/NDF:4.9/12

+ sign -0.027+/-0.013 χ^2/NDF: 27.8/29

All: -0.010+/-0.009 χ^2/NDF: 53.1/60

- sign 0.007+/-0.013 χ^2/NDF: 21.6/30

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: 47.252+/-0.011 χ^2/NDF:129781.7/13

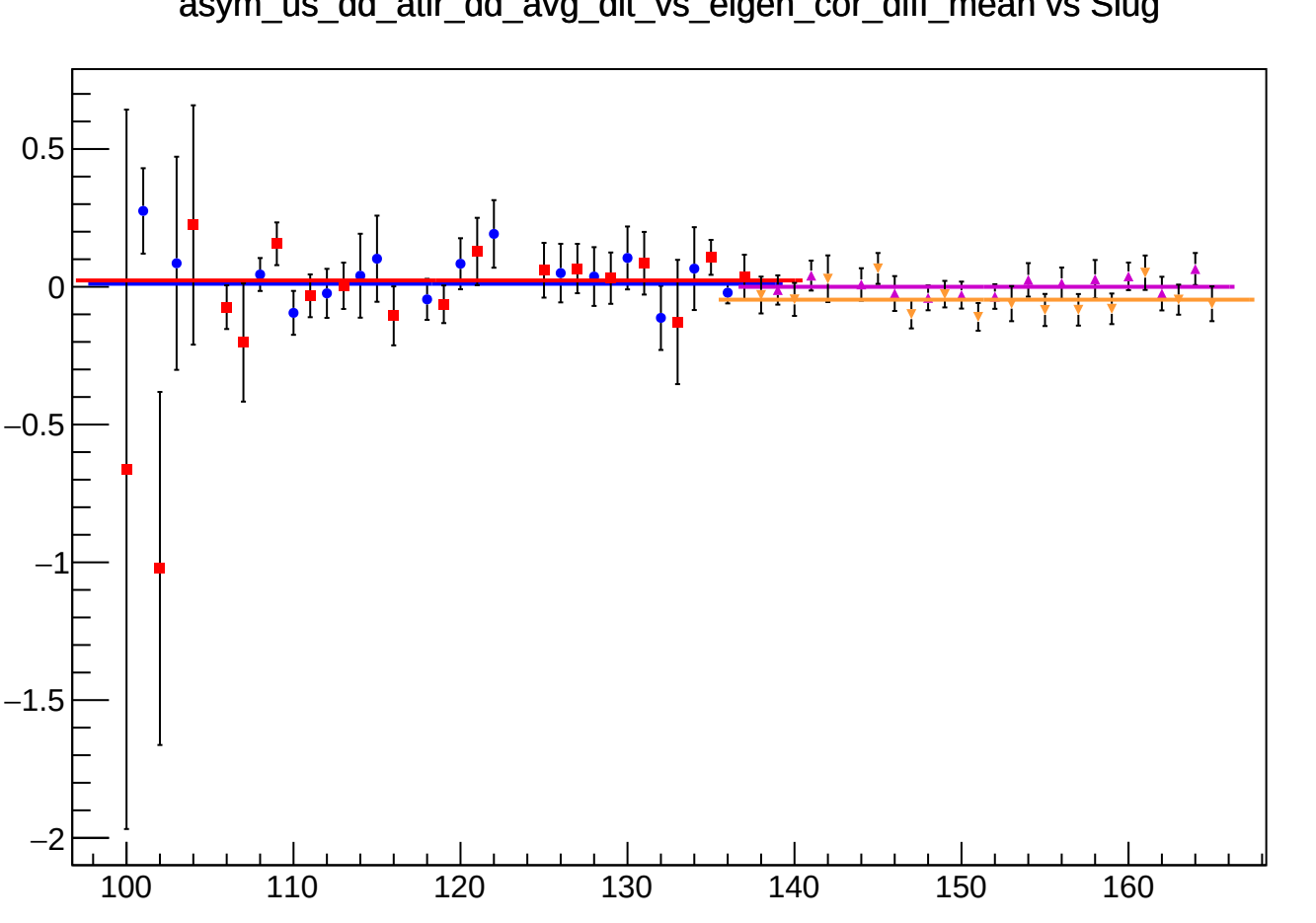
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.885+/-0.011 χ^2/NDF:398796.2/12

\+ sign 48.385+/-0.009 χ^2/NDF: 2428294.0/29

All: 48.149+/-0.006 χ^2/NDF: 5161127.0/60

\- sign 47.912+/-0.009 χ^2/NDF: 2731436.9/30



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/13

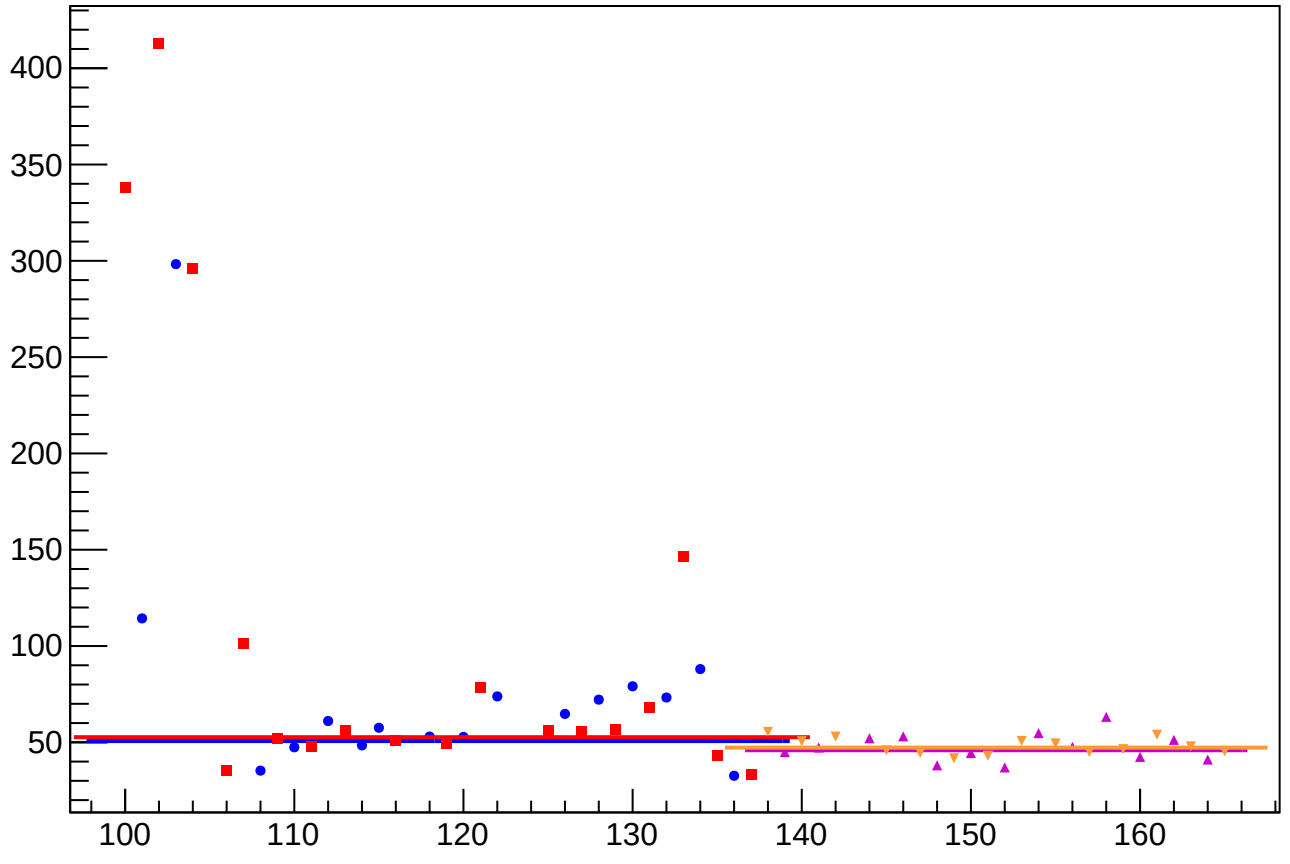
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.015 χ^2/NDF:4.9/12

+ sign -0.027+/-0.013 χ^2/NDF: 27.8/29

All: -0.010+/-0.009 χ^2/NDF: 53.1/60

- sign 0.007+/-0.013 χ^2/NDF: 21.6/30



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.252+/-0.011 χ^2/NDF:129781.7/13

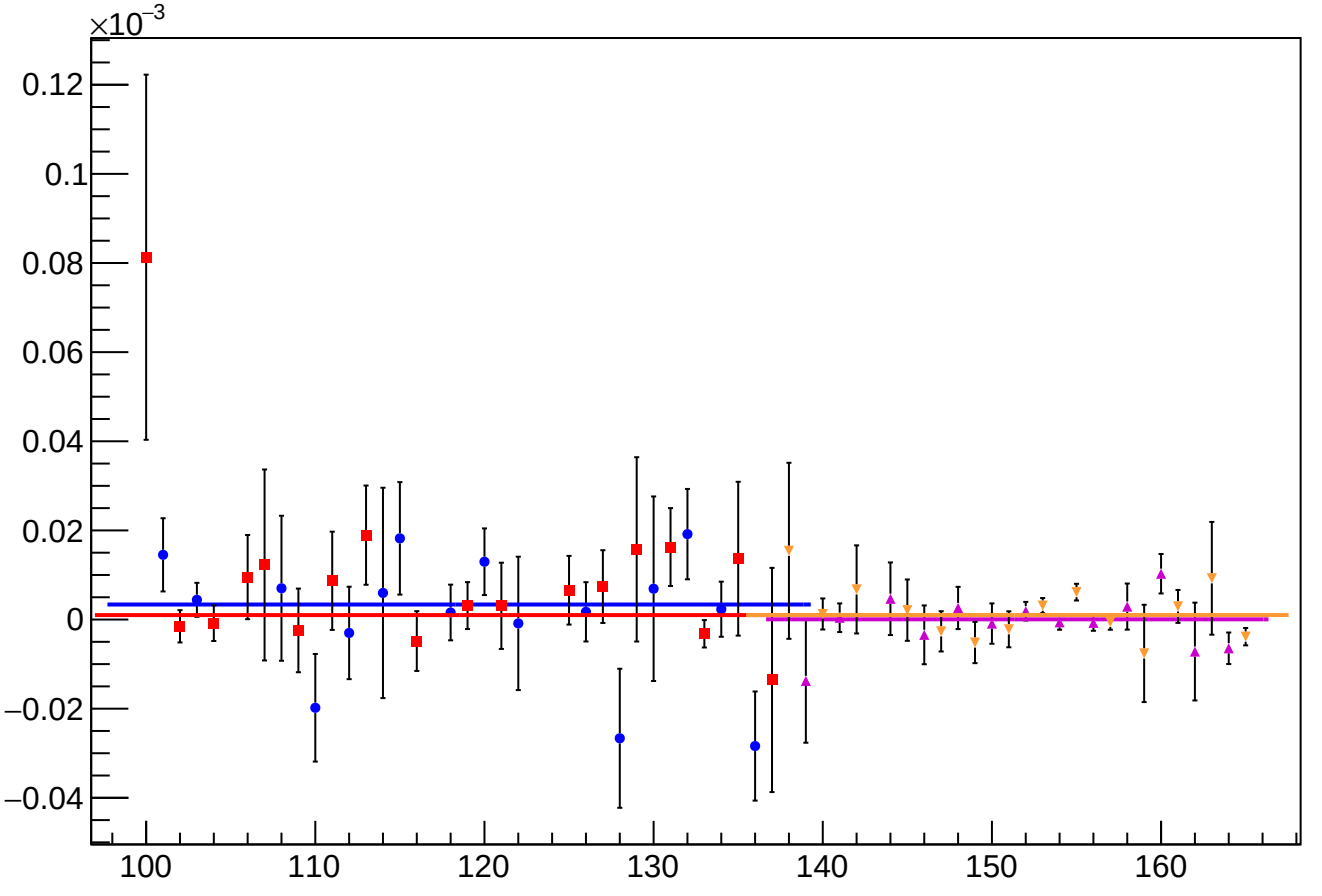
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.885+/-0.011 χ^2/NDF:398796.2/12

\+ sign 48.385+/-0.009 χ^2/NDF: 2428294.0/29

All: 48.149+/-0.006 χ^2/NDF: 5161127.0/60

\- sign 47.912+/-0.009 χ^2/NDF: 2731436.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/13

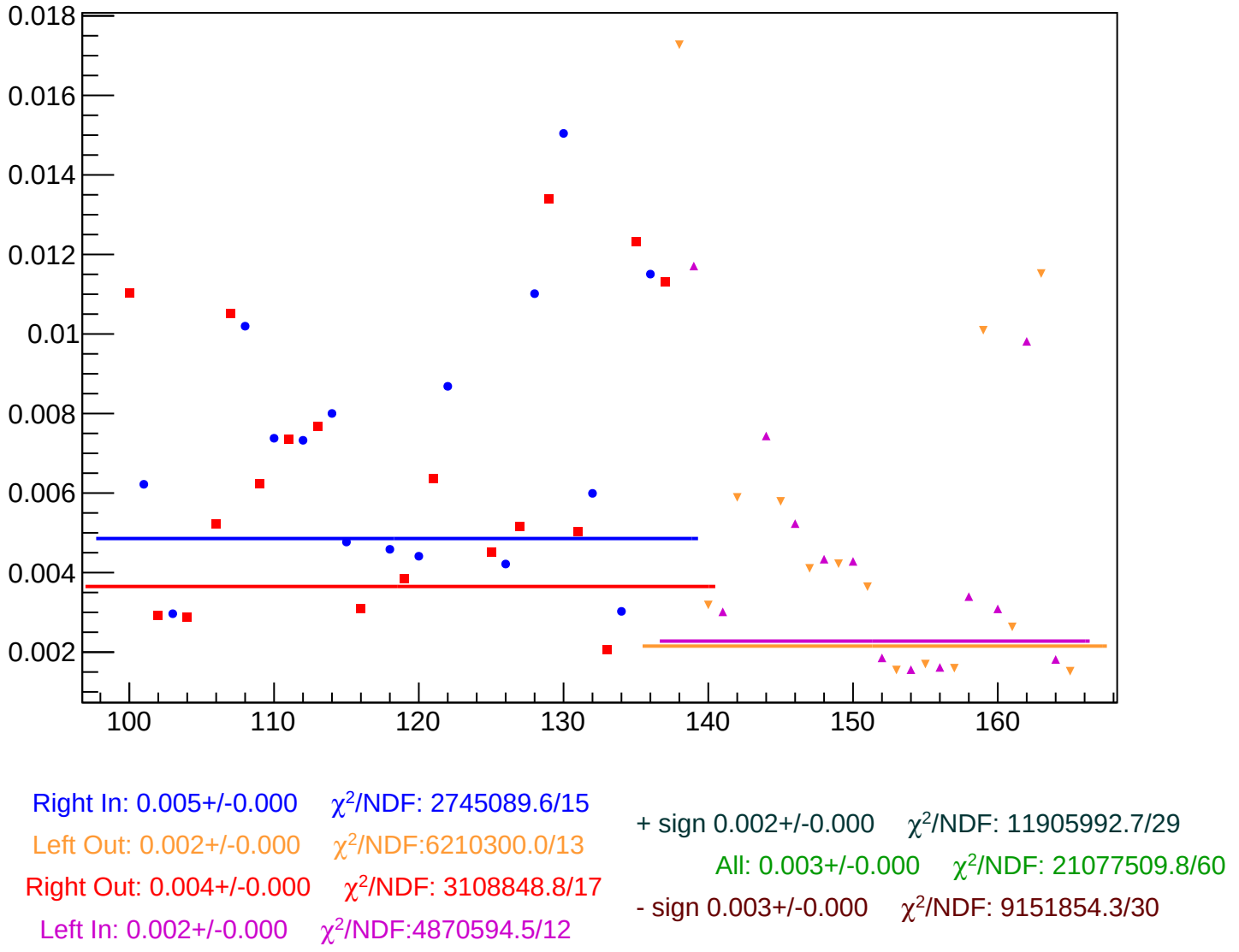
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

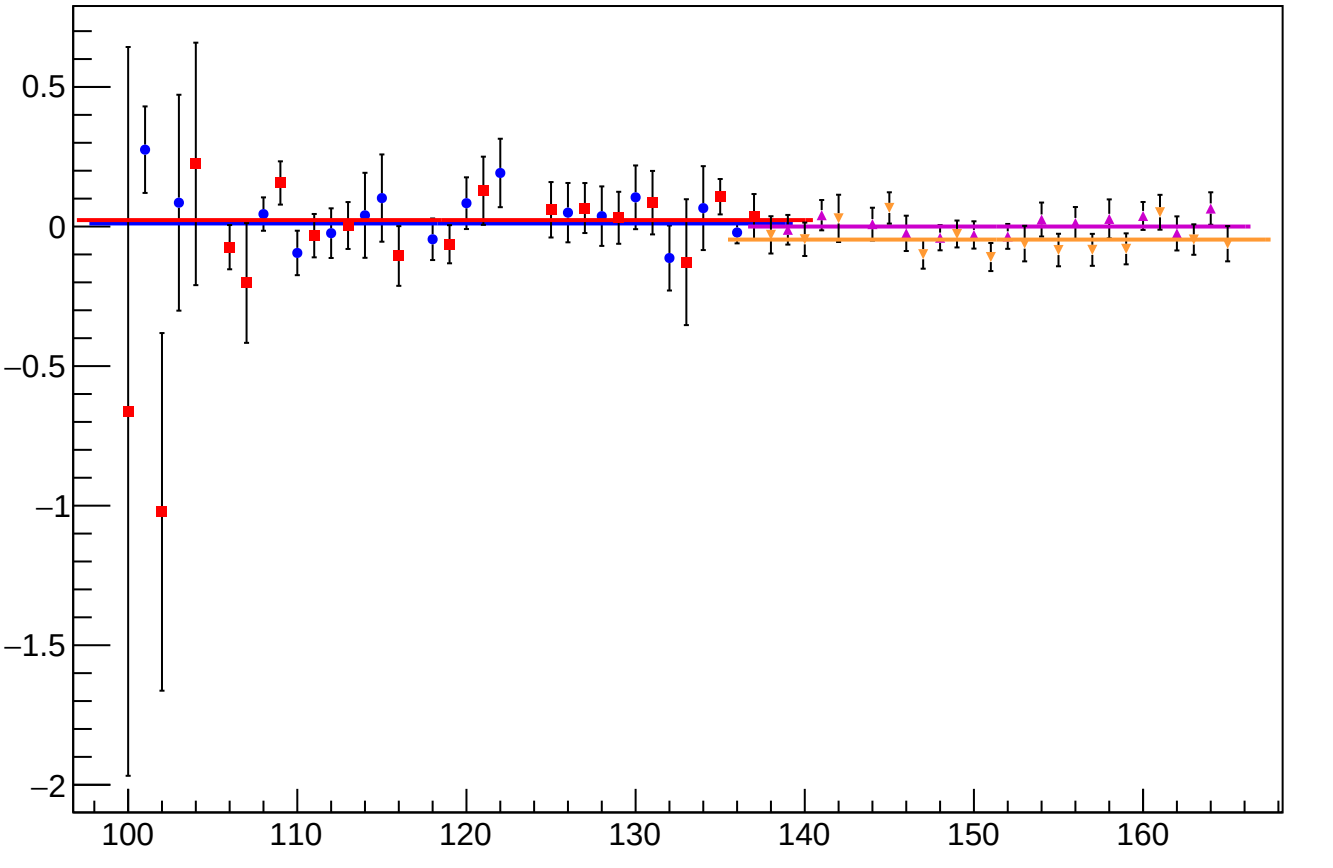
Left In: 0.000+/-0.000 χ^2/NDF:12.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/29

All: 0.000+/-0.000 χ^2/NDF: 75.6/60

- sign 0.000+/-0.000 χ^2/NDF: 30.0/30


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:6210300.0/13
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:4870594.5/12
+ sign 0.002+/-0.000 χ²/NDF: 11905992.7/29
All: 0.003+/-0.000 χ²/NDF: 21077509.8/60
- sign 0.003+/-0.000 χ²/NDF: 9151854.3/30



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/13

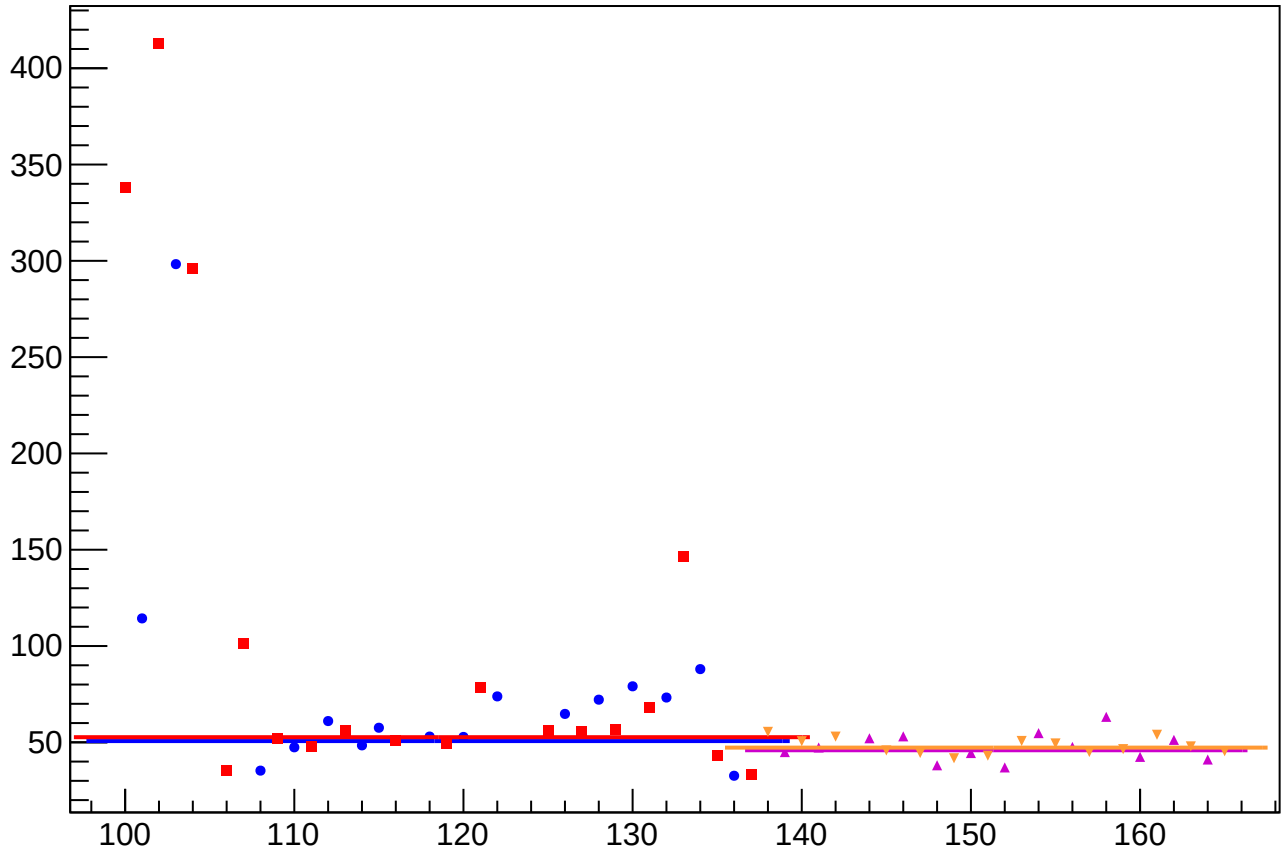
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.015 χ^2/NDF:4.9/12

+ sign -0.027+/-0.013 χ^2/NDF: 27.8/29

All: -0.010+/-0.009 χ^2/NDF: 53.1/60

- sign 0.007+/-0.013 χ^2/NDF: 21.6/30



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.252+/-0.011 χ^2/NDF:129772.8/13

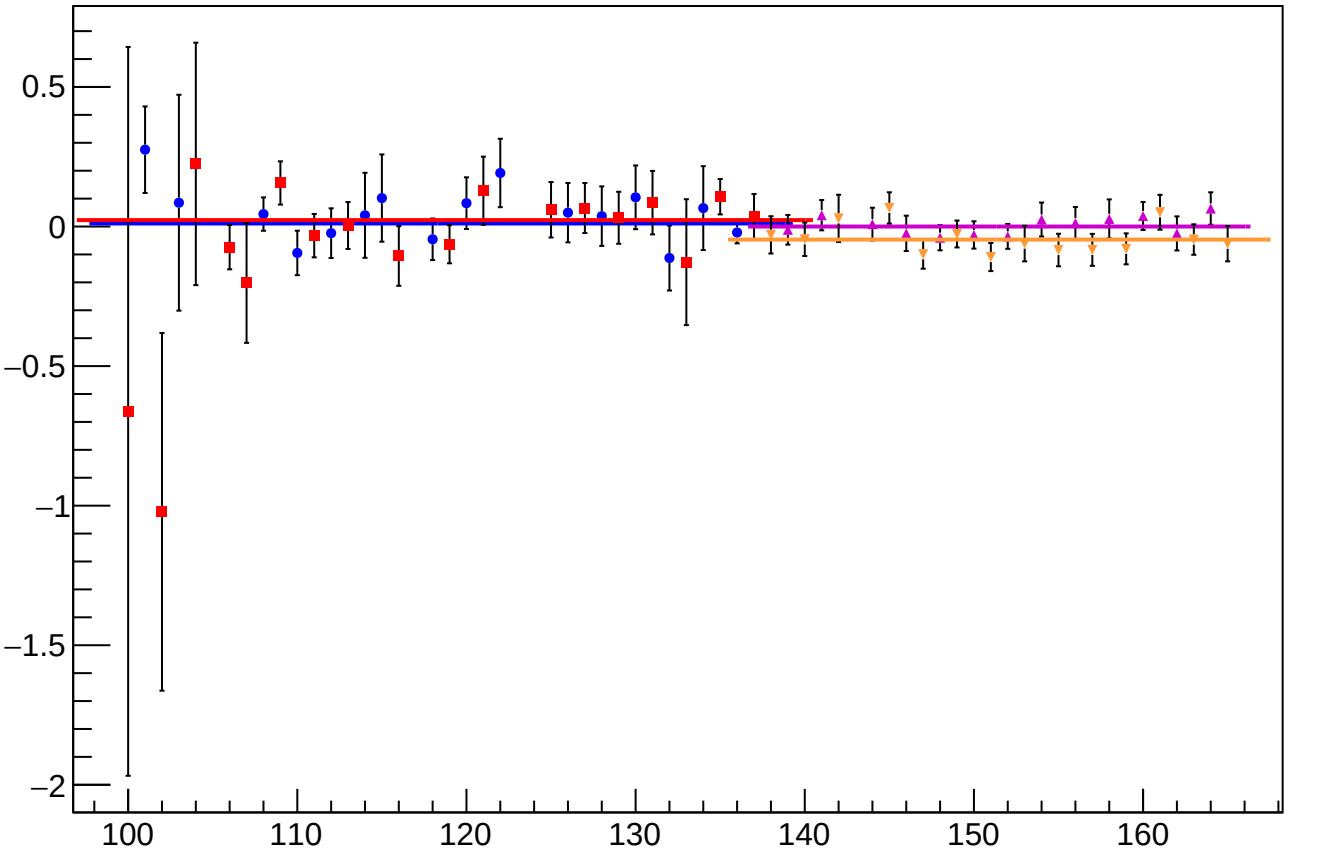
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.885+/-0.011 χ^2/NDF:398753.3/12

\+ sign 48.384+/-0.009 χ^2/NDF: 2428206.5/29

All: 48.149+/-0.006 χ^2/NDF: 5160903.2/60

\- sign 47.913+/-0.009 χ^2/NDF: 2731303.4/30



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.047+/-0.015 χ^2/NDF:11.5/13

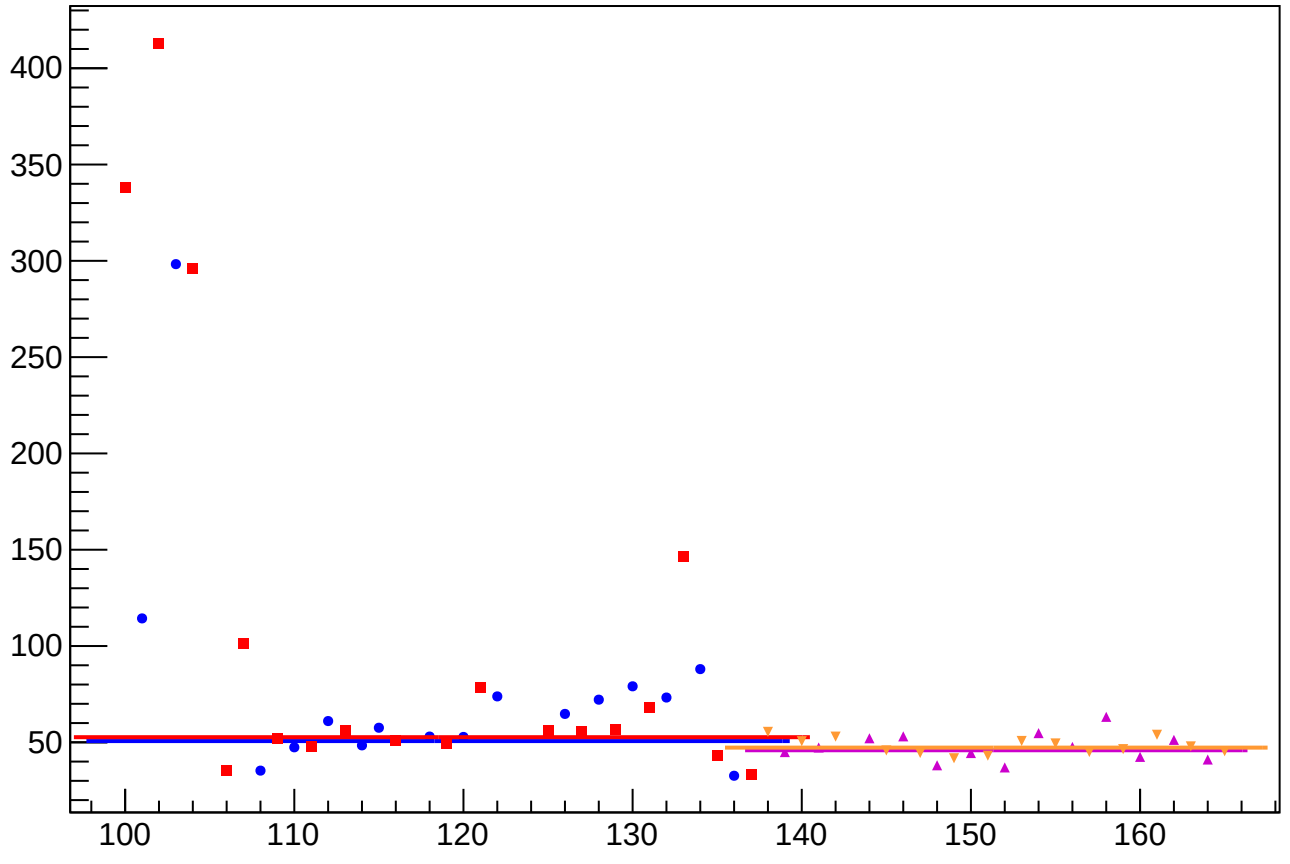
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.015 χ^2/NDF:4.9/12

+ sign -0.027+/-0.013 χ^2/NDF: 27.8/29

All: -0.010+/-0.009 χ^2/NDF: 53.1/60

- sign 0.007+/-0.013 χ^2/NDF: 21.6/30



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.252+/-0.011 χ^2/NDF:129772.8/13

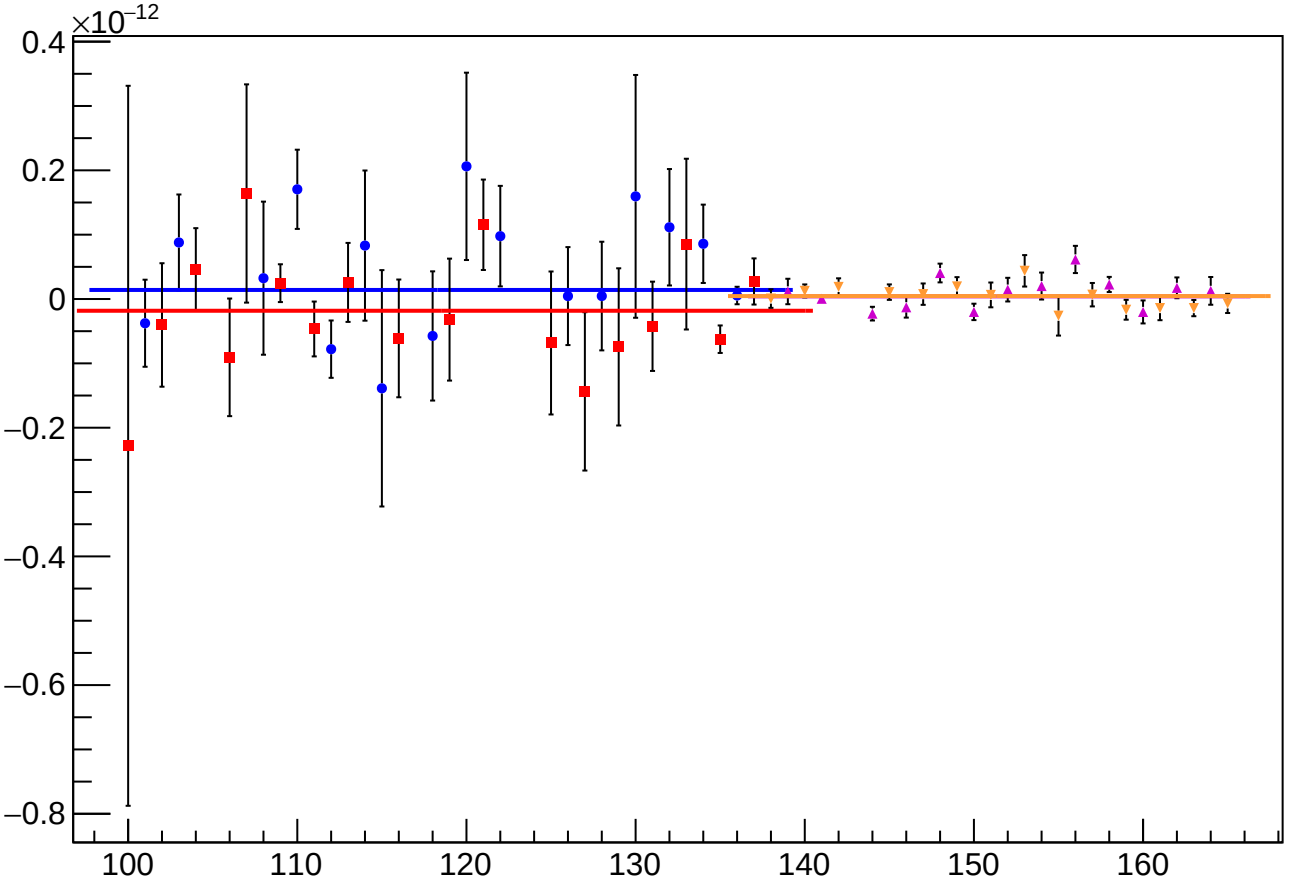
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.885+/-0.011 χ^2/NDF:398753.3/12

\+ sign 48.384+/-0.009 χ^2/NDF: 2428206.5/29

All: 48.149+/-0.006 χ^2/NDF: 5160903.2/60

\- sign 47.913+/-0.009 χ^2/NDF: 2731303.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/13

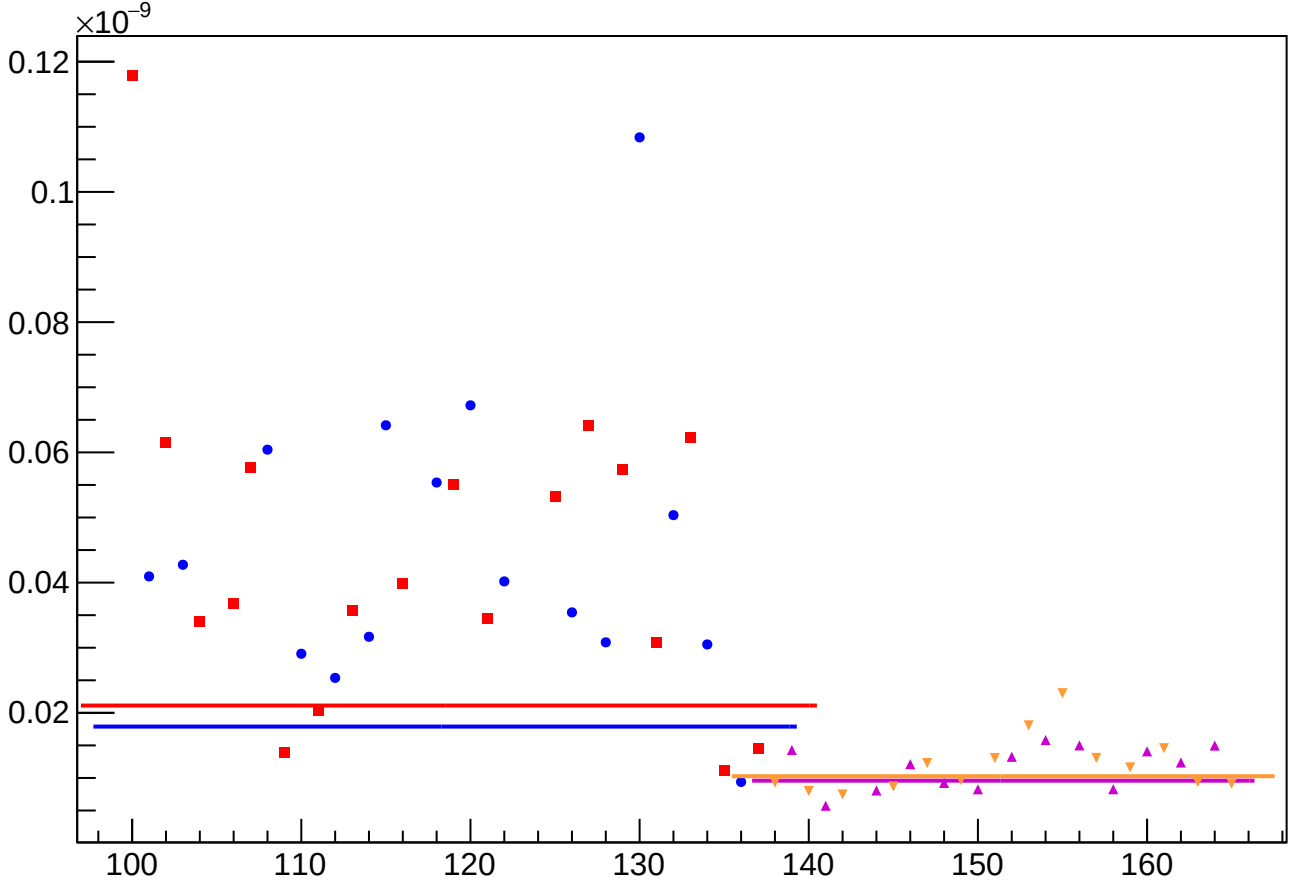
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:31.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 33.4/29

All: 0.000+/-0.000 χ^2/NDF: 85.8/60

- sign 0.000+/-0.000 χ^2/NDF: 52.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1042519.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

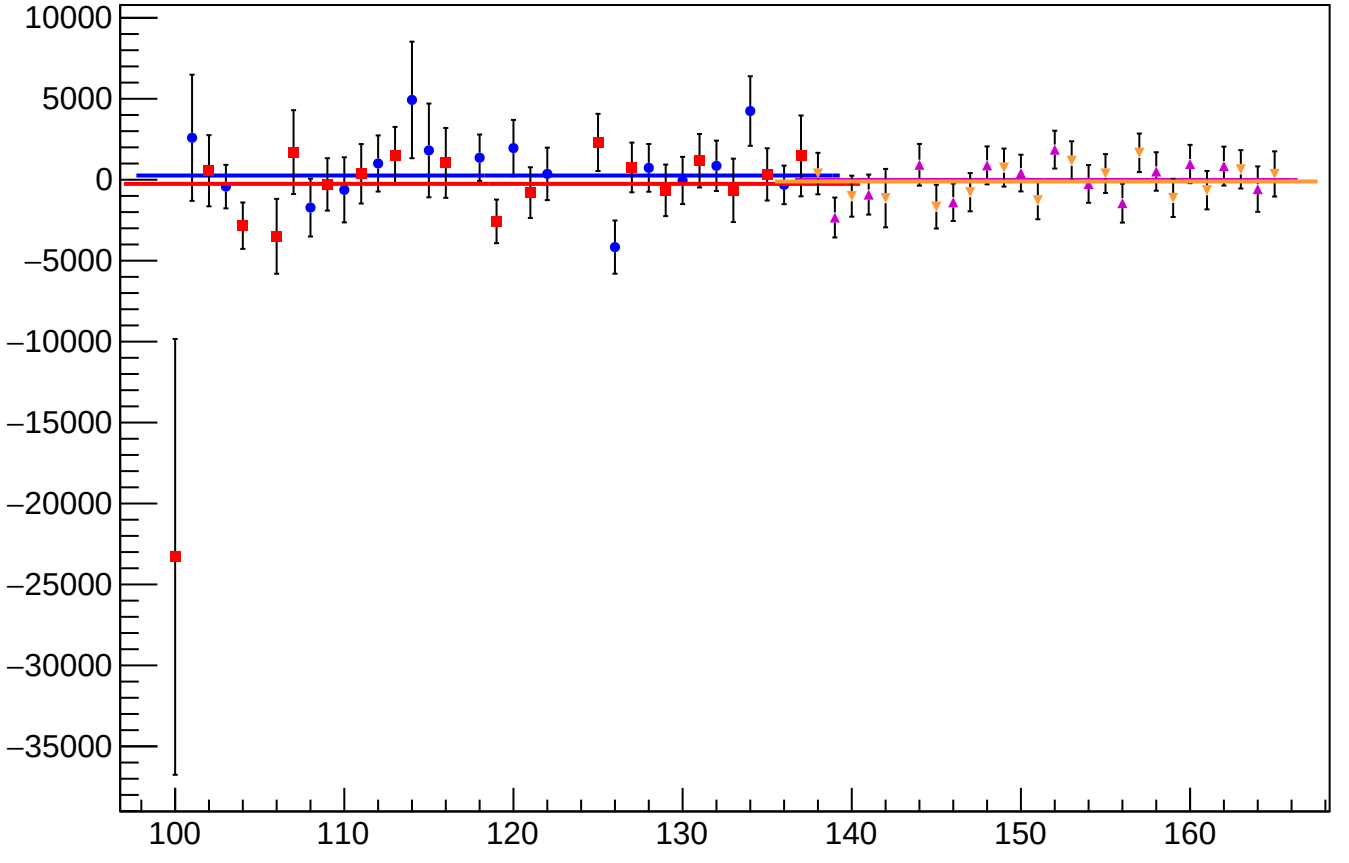
Left In: 0.000+/-0.000 χ^2/NDF:1434584.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 5245438.4/29

All: 0.000+/-0.000 χ^2/NDF: 10866885.1/60

- sign 0.000+/-0.000 χ^2/NDF: 5601622.2/30

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -106.956+/-333.225 χ^2/NDF:9.1/13

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

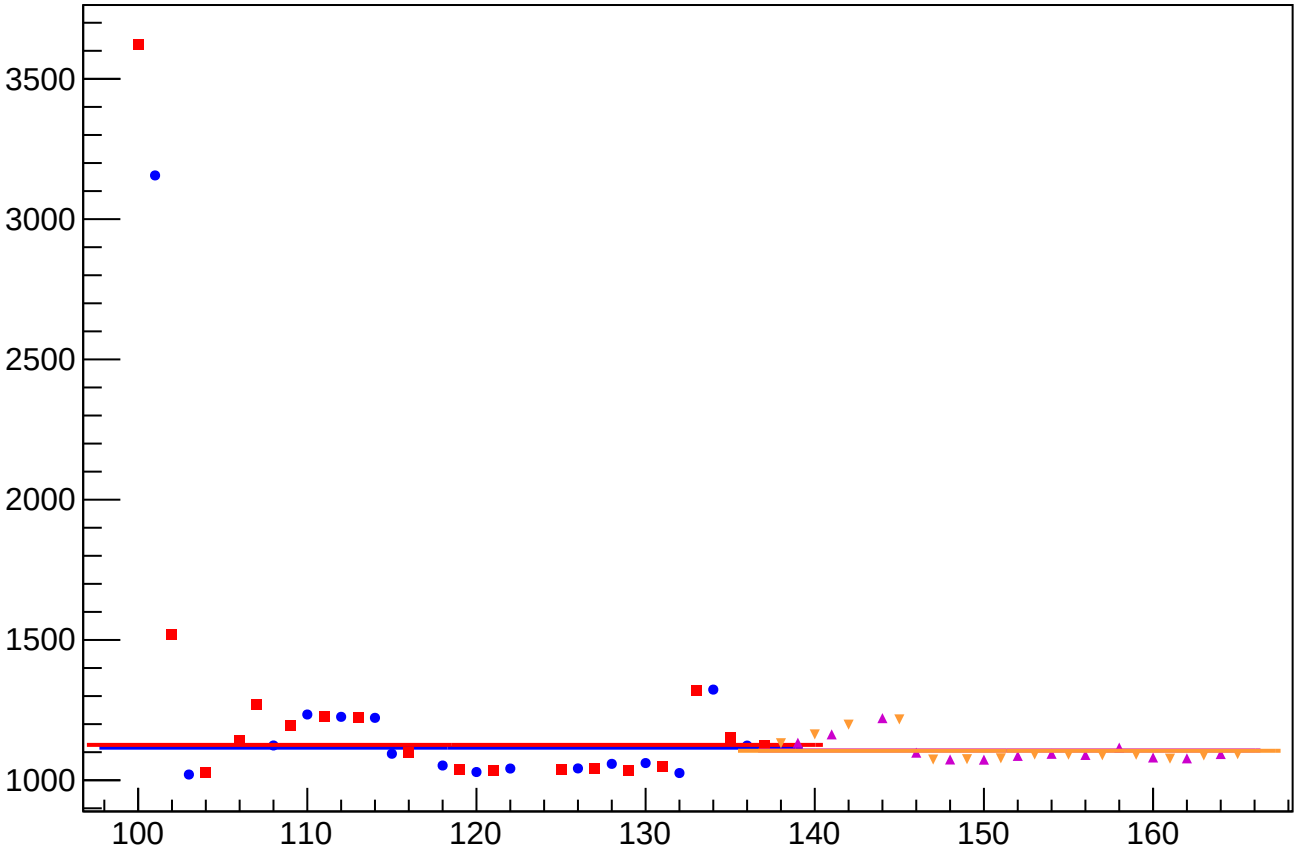
Left In: -14.917+/-334.191 χ^2/NDF:12.4/12

+ sign 33.191+/-262.151 χ^2/NDF: 26.5/29

All: -36.605+/-185.628 χ^2/NDF: 56.6/60

- sign -106.794+/-262.887 χ^2/NDF: 29.9/30

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1104.996+/-0.236 χ^2/NDF:30746.2/13

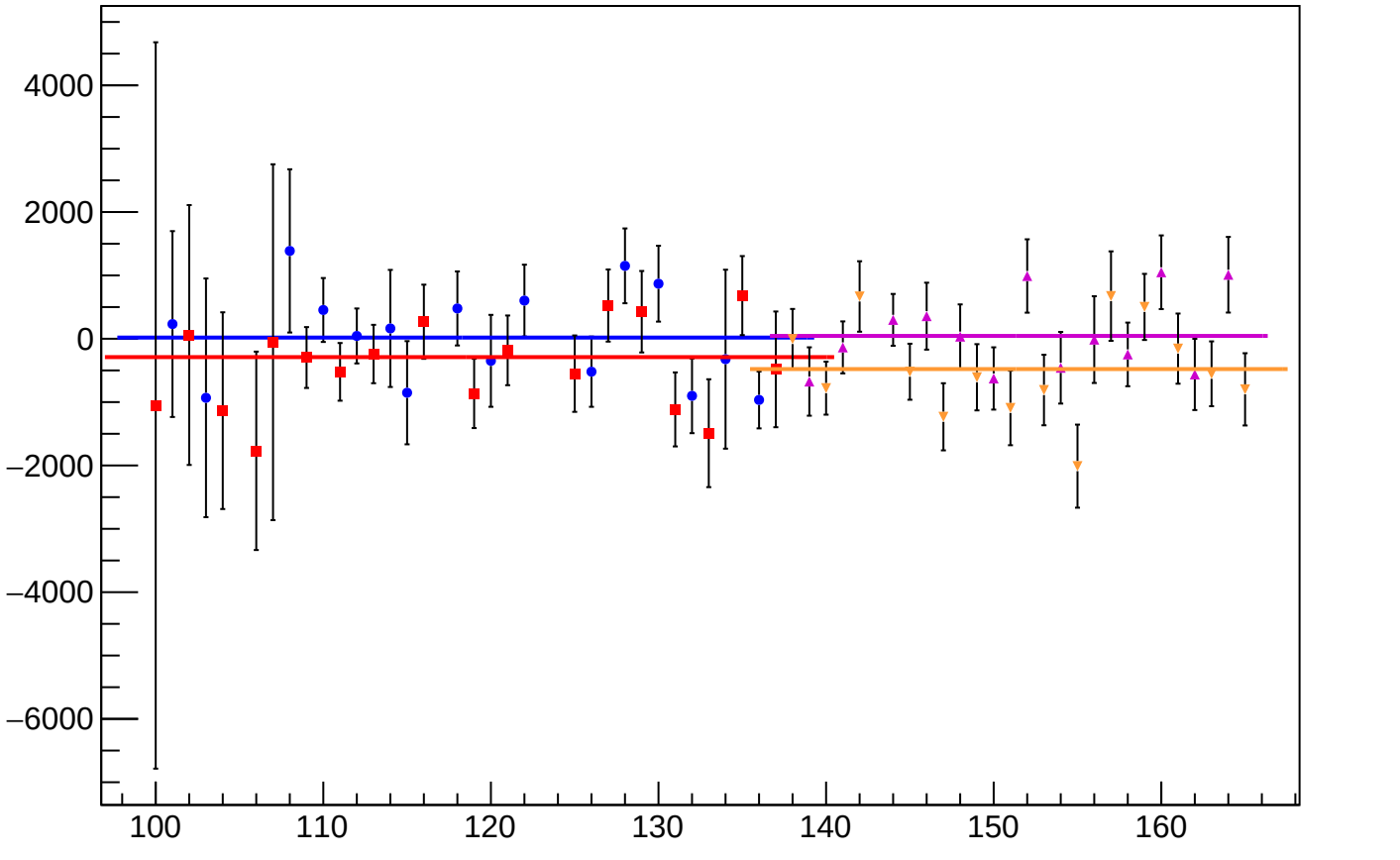
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

+ sign 1109.223+/-0.185 χ^2/NDF: 654981.8/29

All: 1111.475+/-0.131 χ^2/NDF: 908049.4/60

- sign 1113.739+/-0.186 χ^2/NDF: 252771.7/30



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -478.612+/-141.415 χ^2/NDF:21.6/13

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

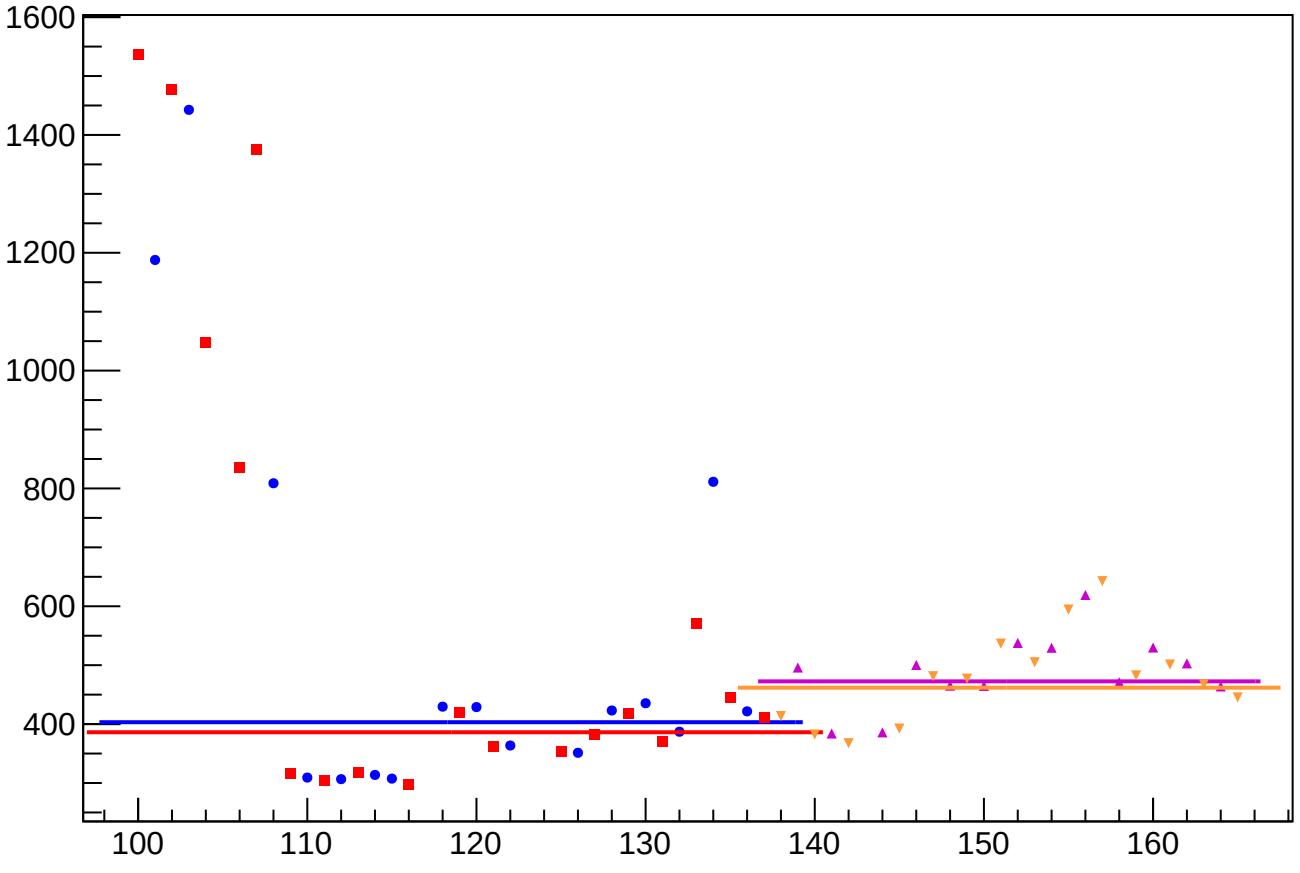
Left In: 44.437+/-144.202 χ^2/NDF:15.2/12

+ sign -262.488+/-106.317 χ^2/NDF: 46.2/29

All: -185.696+/-75.048 χ^2/NDF: 78.3/60

- sign -109.433+/-105.951 χ^2/NDF: 31.1/30

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: 461.813+/-0.100 χ^2/NDF:476393.4/13

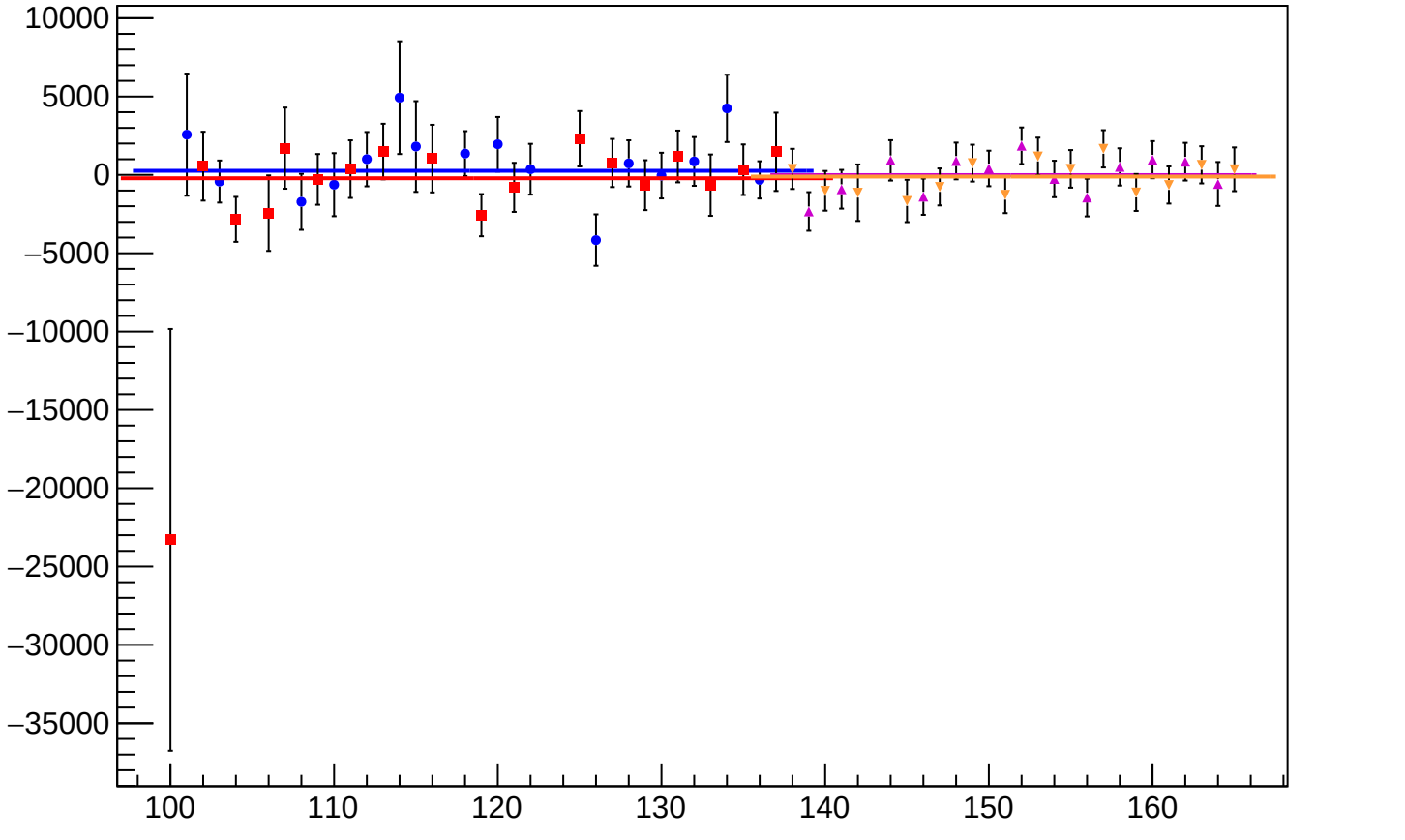
Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 472.524+/-0.102 χ^2/NDF:356230.3/12

+ sign 436.326+/-0.075 χ^2/NDF: 2434237.6/29

All: 434.545+/-0.053 χ^2/NDF: 4880917.2/60

- sign 432.776+/-0.075 χ^2/NDF: 2445560.8/30



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -106.979+/-333.225 χ^2/NDF:9.1/13

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

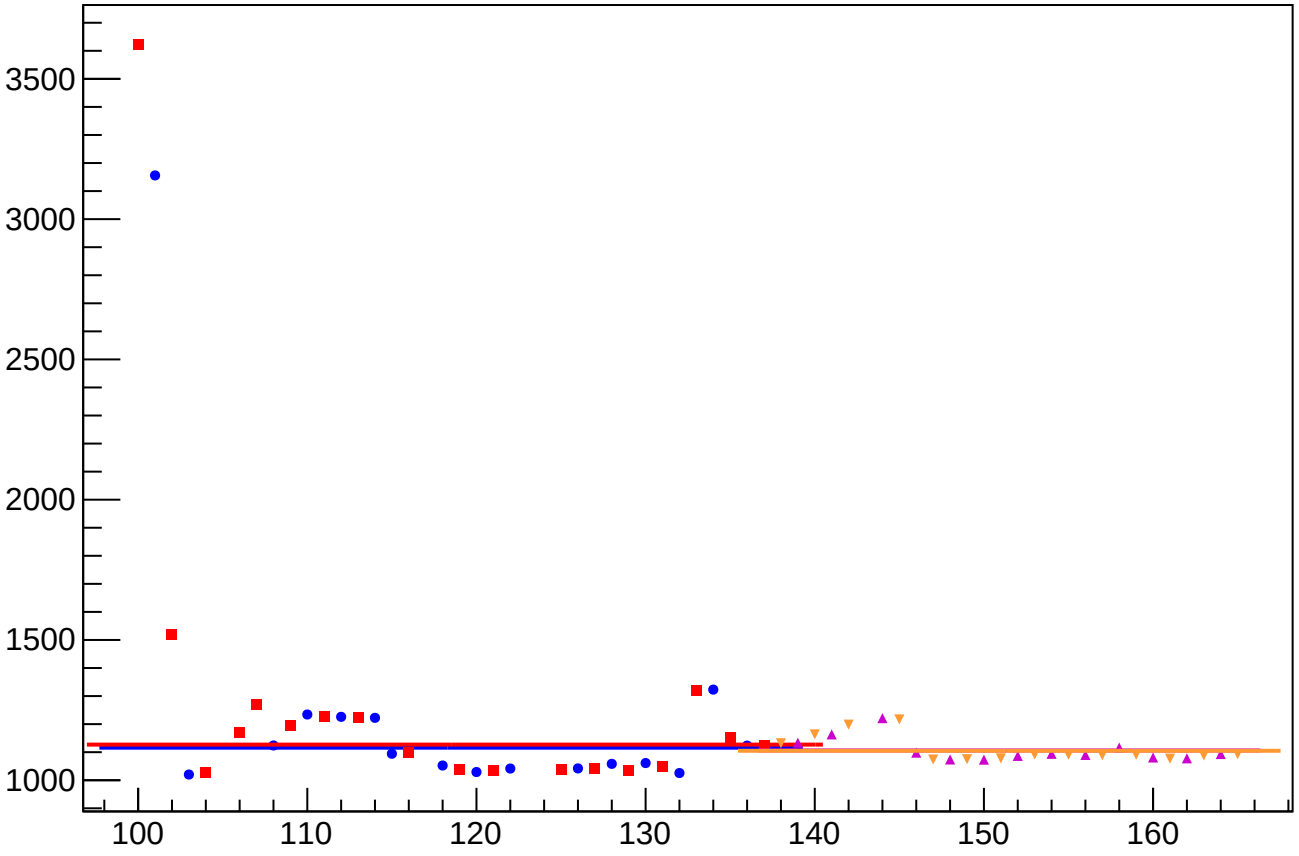
Left In: -14.907+/-334.191 χ^2/NDF:12.4/12

\+ sign 33.031+/-262.151 χ^2/NDF: 26.5/29

All: -28.715+/-185.674 χ^2/NDF: 55.3/60

\- sign -90.870+/-263.018 χ^2/NDF: 28.7/30

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1104.996+/-0.236 χ^2/NDF:30746.2/13

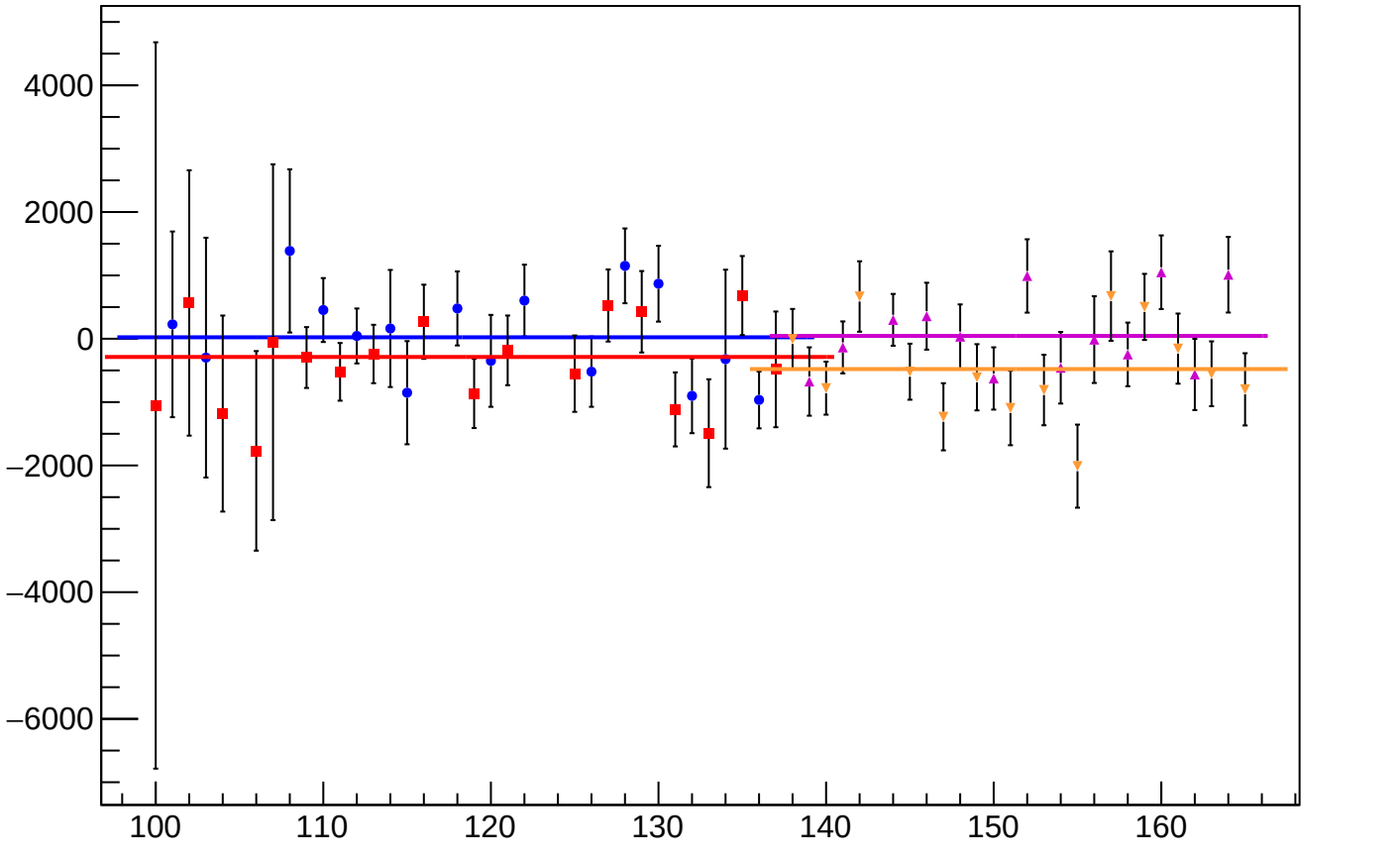
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

+ sign 1109.223+/-0.185 χ^2/NDF: 654982.8/29

All: 1111.647+/-0.131 χ^2/NDF: 908988.9/60

- sign 1114.086+/-0.186 χ^2/NDF: 253663.1/30



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -478.662+/-141.415 χ^2/NDF:21.6/13

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

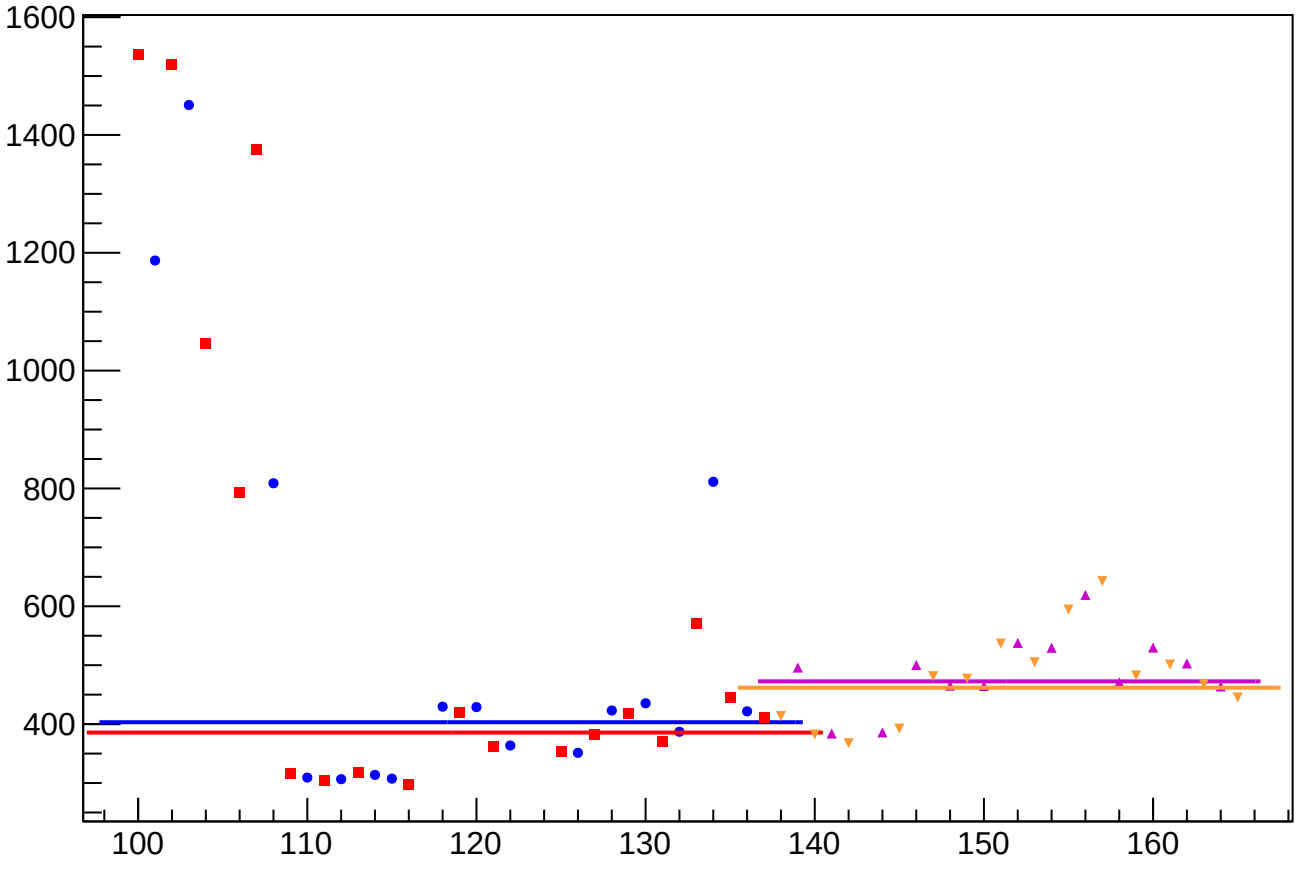
Left In: 44.416+/-144.201 χ^2/NDF:15.2/12

\+ sign -260.582+/-106.317 χ^2/NDF: 46.0/29

All: -184.206+/-75.050 χ^2/NDF: 78.3/60

\- sign -108.345+/-105.958 χ^2/NDF: 31.3/30

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 461.810+/-0.100 χ^2/NDF:476414.5/13

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

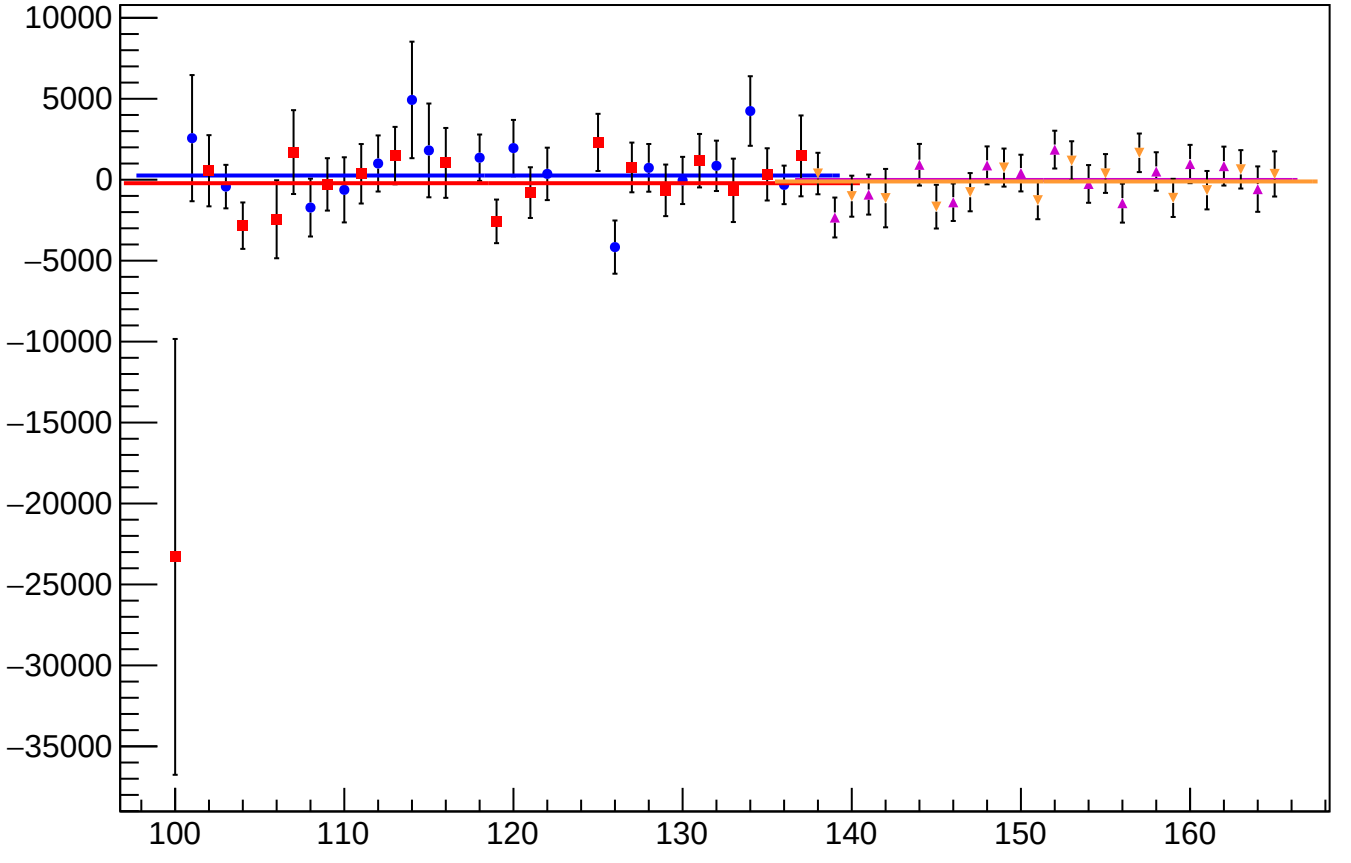
Left In: 472.520+/-0.102 χ^2/NDF:356210.8/12

+ sign 436.320+/-0.075 χ^2/NDF: 2437983.6/29

All: 434.437+/-0.053 χ^2/NDF: 4876294.7/60

- sign 432.567+/-0.075 χ^2/NDF: 2437061.1/30

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: -106.979+/-333.225 χ^2/NDF:9.1/13

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

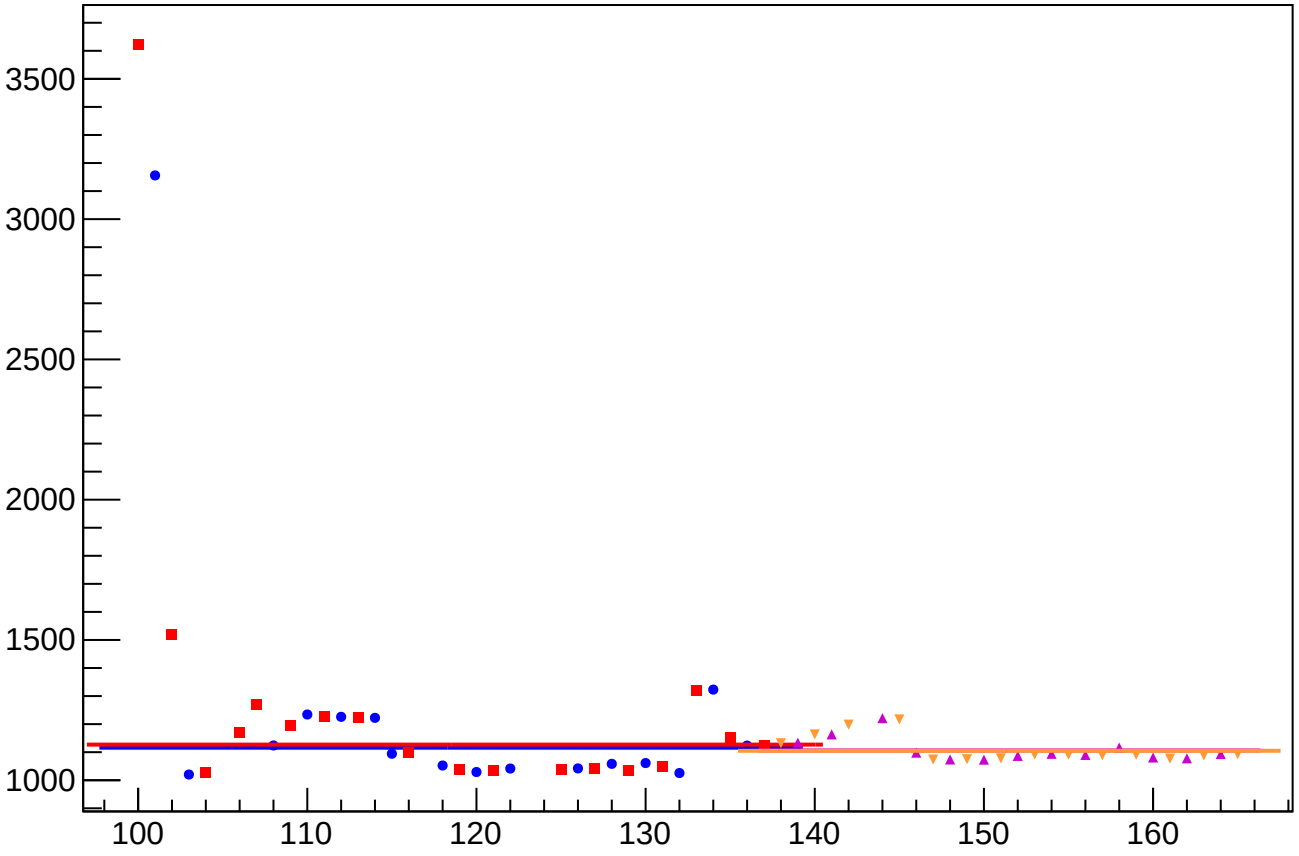
Left In: -14.907+/-334.191 χ^2/NDF:12.4/12

+ sign 33.031+/-262.151 χ^2/NDF: 26.5/29

All: -28.715+/-185.674 χ^2/NDF: 55.3/60

- sign -90.870+/-263.018 χ^2/NDF: 28.7/30

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: 1104.996+/-0.236 χ^2/NDF:30746.2/13

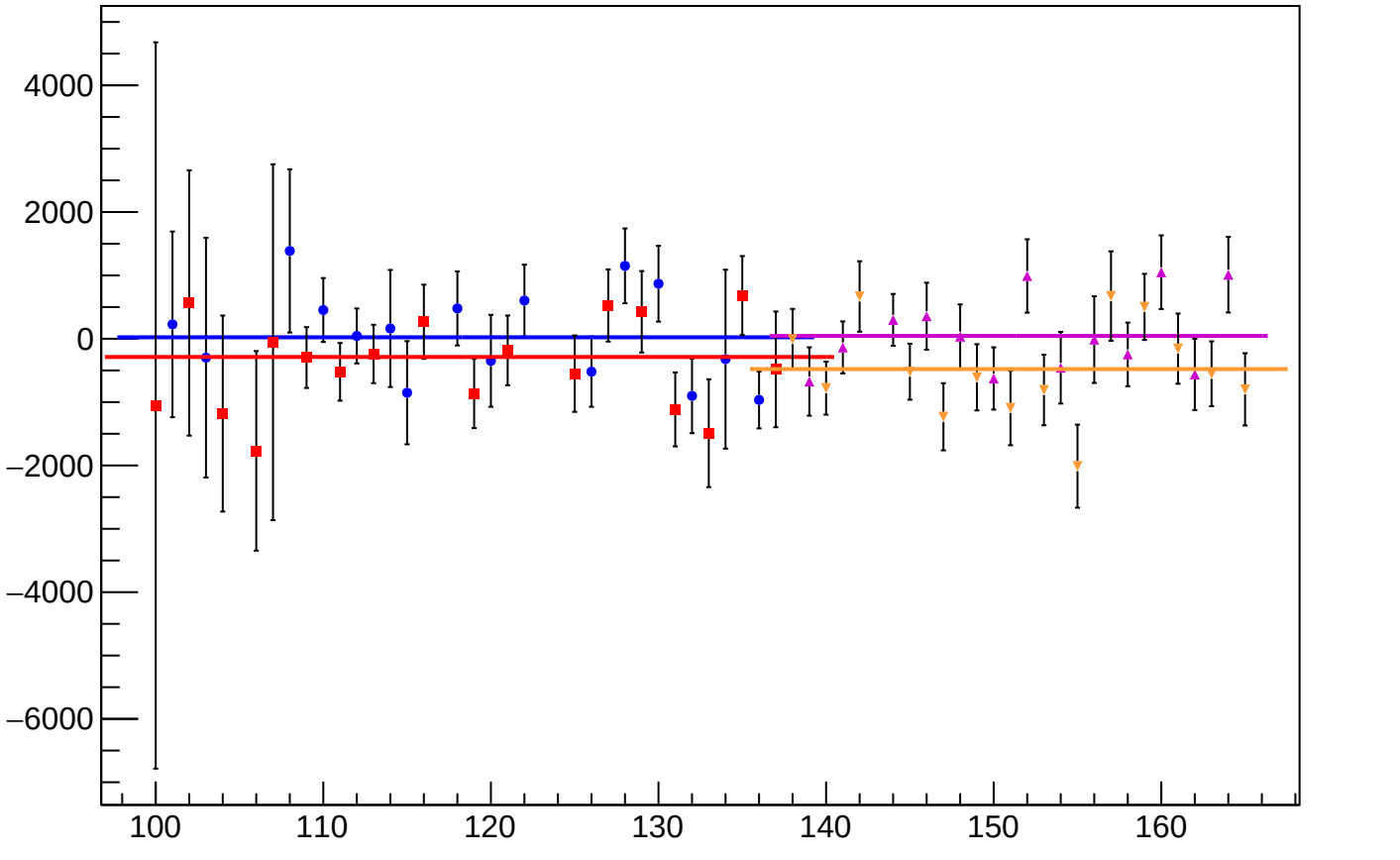
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

+ sign 1109.223+/-0.185 χ^2/NDF: 654982.8/29

All: 1111.647+/-0.131 χ^2/NDF: 908988.9/60

- sign 1114.086+/-0.186 χ^2/NDF: 253663.1/30



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -478.662+/-141.415 χ^2/NDF:21.6/13

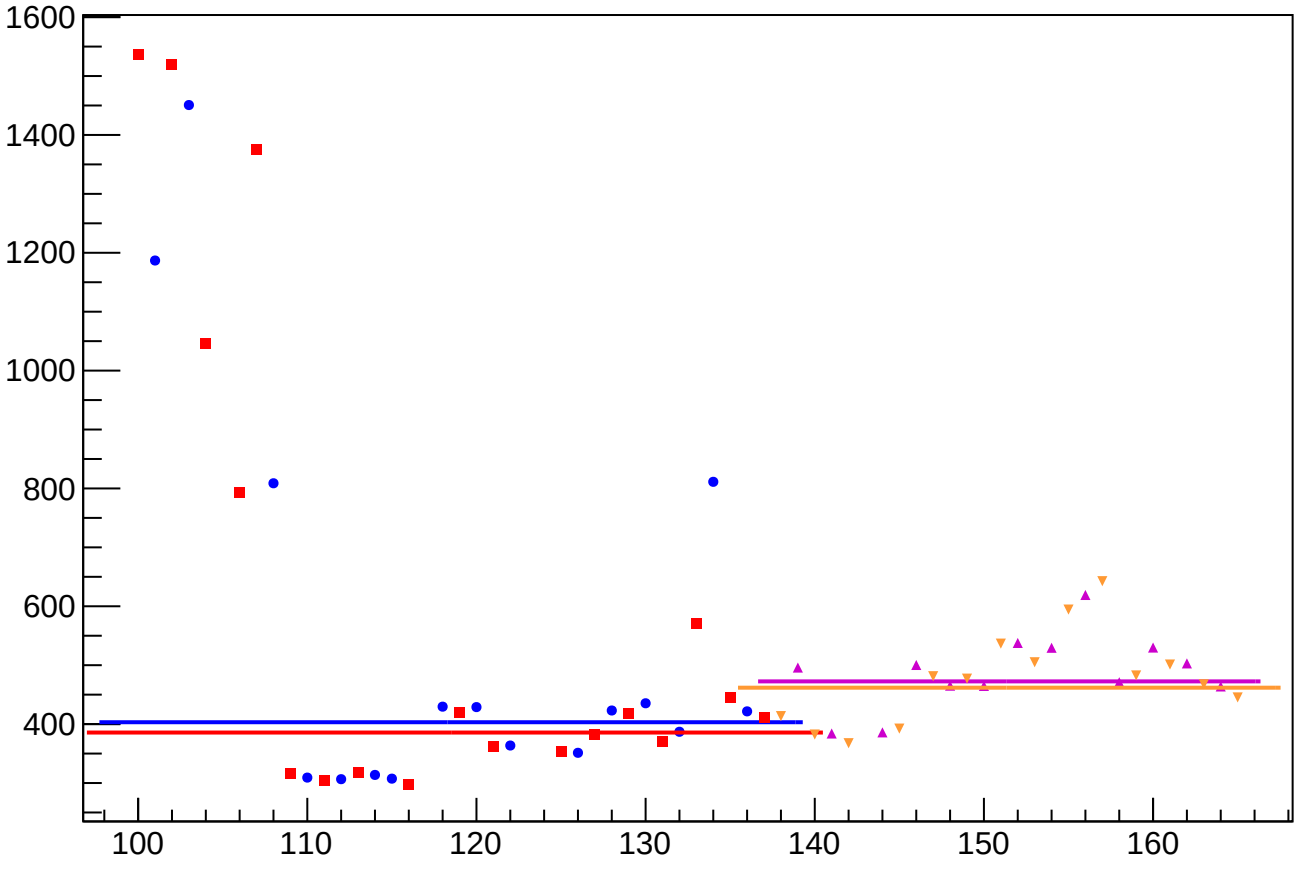
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 44.416+/-144.201 χ^2/NDF:15.2/12

+ sign -260.582+/-106.317 χ^2/NDF: 46.0/29

All: -184.206+/-75.050 χ^2/NDF: 78.3/60

- sign -108.345+/-105.958 χ^2/NDF: 31.3/30



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 461.810+/-0.100 χ^2/NDF:476414.5/13

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

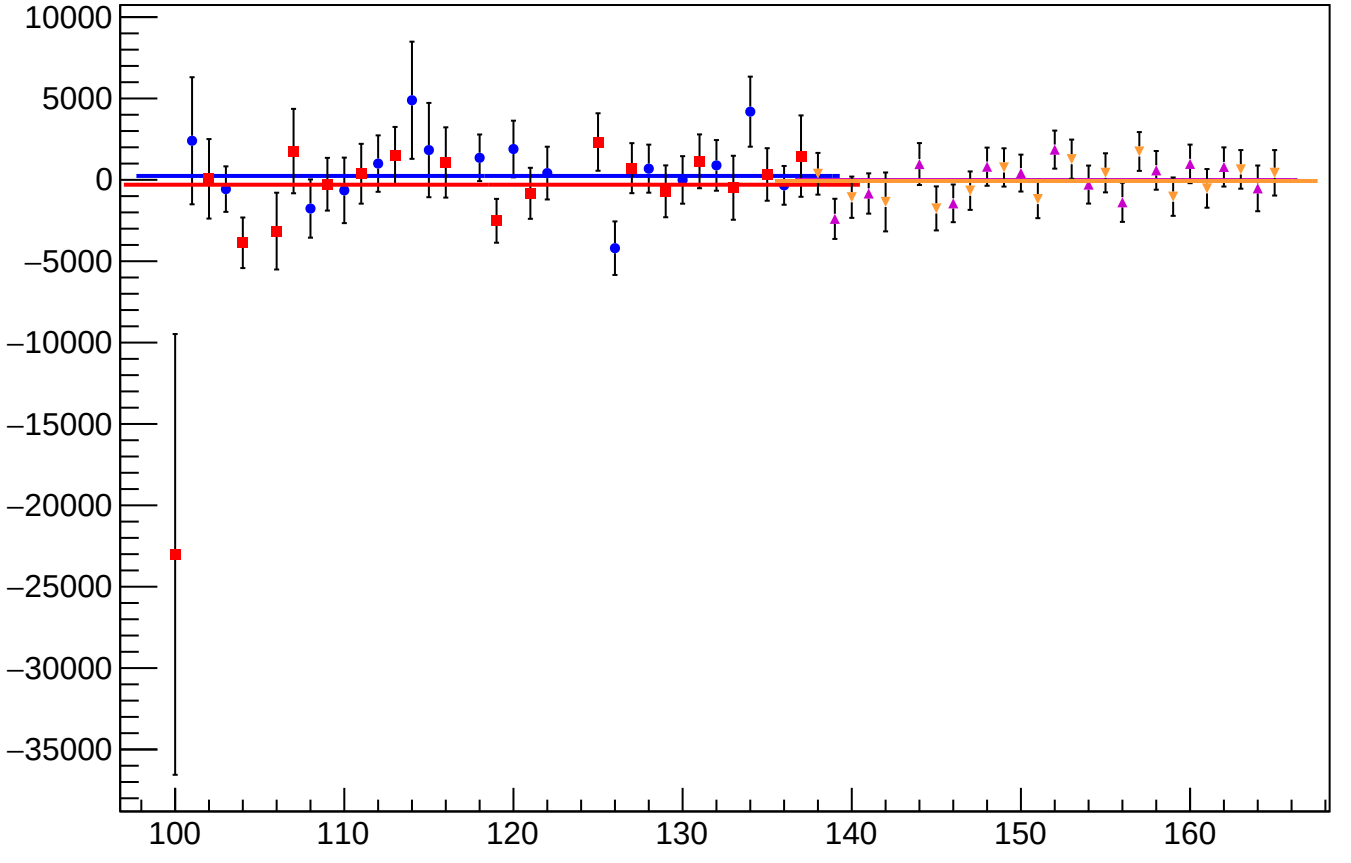
Left In: 472.520+/-0.102 χ^2/NDF:356210.8/12

+ sign 436.320+/-0.075 χ^2/NDF: 2437983.6/29

All: 434.437+/-0.053 χ^2/NDF: 4876294.7/60

- sign 432.567+/-0.075 χ^2/NDF: 2437061.1/30

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -69.220+/-333.613 χ^2/NDF:9.5/13

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

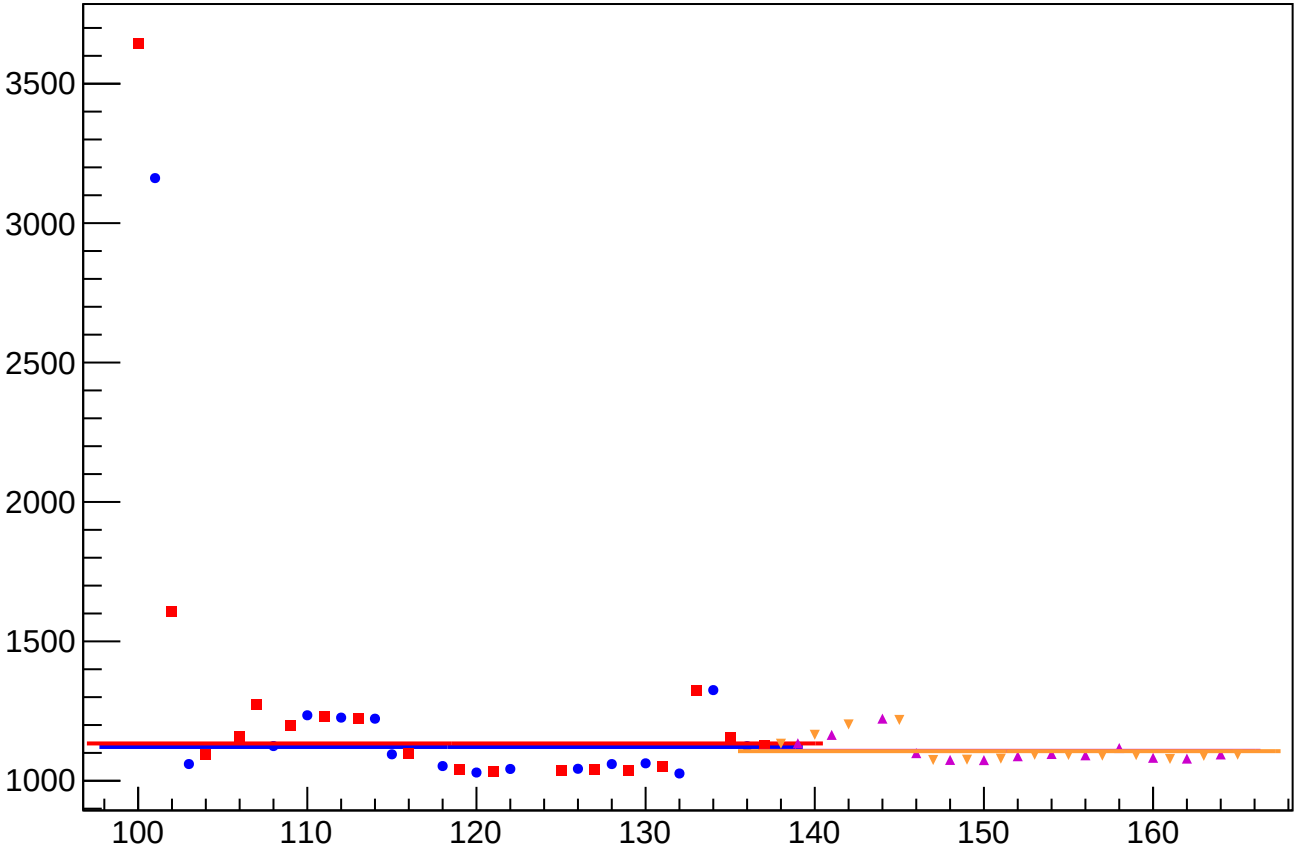
Left In: -12.516+/-334.569 χ^2/NDF:12.4/12

+ sign 48.441+/-262.794 χ^2/NDF: 26.8/29

All: -35.458+/-186.330 χ^2/NDF: 58.3/60

- sign -120.279+/-264.233 χ^2/NDF: 31.3/30

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1106.266+/-0.236 χ^2/NDF:31118.6/13

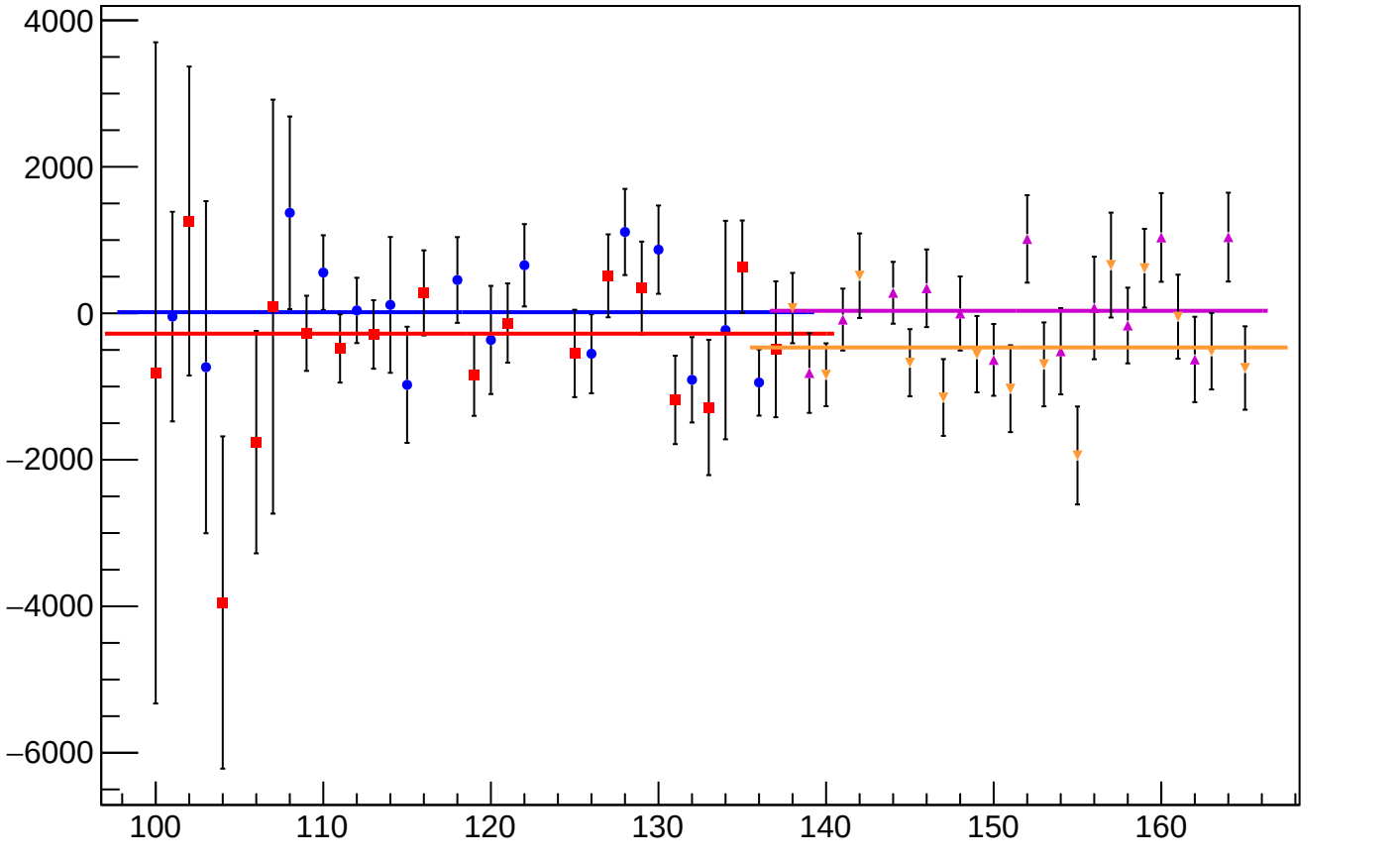
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1107.422+/-0.237 χ^2/NDF:28020.8/12

+ sign 1111.969+/-0.186 χ^2/NDF: 649687.0/29

All: 1114.667+/-0.132 χ^2/NDF: 910312.6/60

- sign 1117.395+/-0.187 χ^2/NDF: 260201.6/30



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -466.608+/-144.054 χ^2/NDF:20.1/13

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

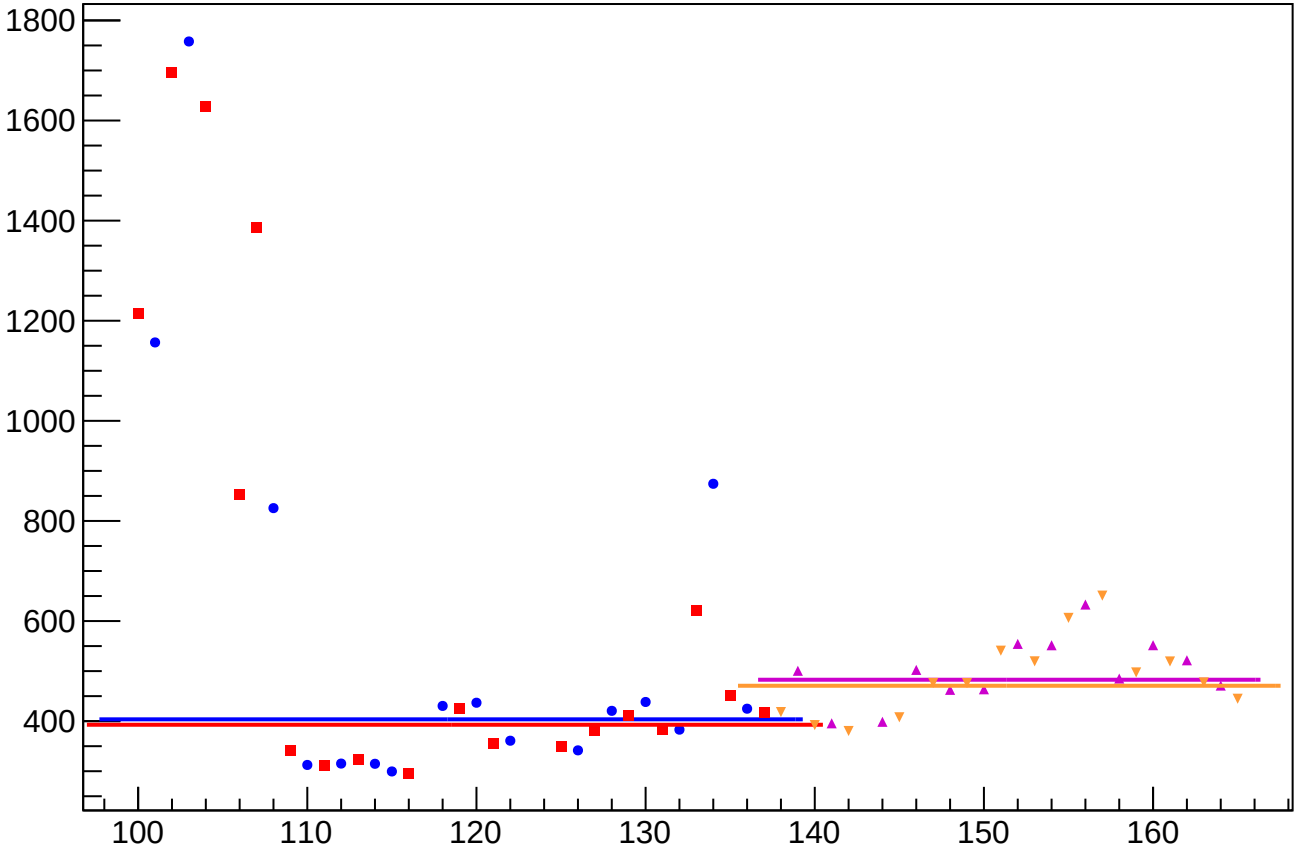
Left In: 34.278+/-147.306 χ^2/NDF:15.6/12

+ sign -253.592+/-107.604 χ^2/NDF: 44.6/29

All: -182.183+/-76.229 χ^2/NDF: 78.2/60

- sign -110.241+/-108.005 χ^2/NDF: 32.7/30

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 470.734+/-0.102 χ^2/NDF:453311.6/13

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

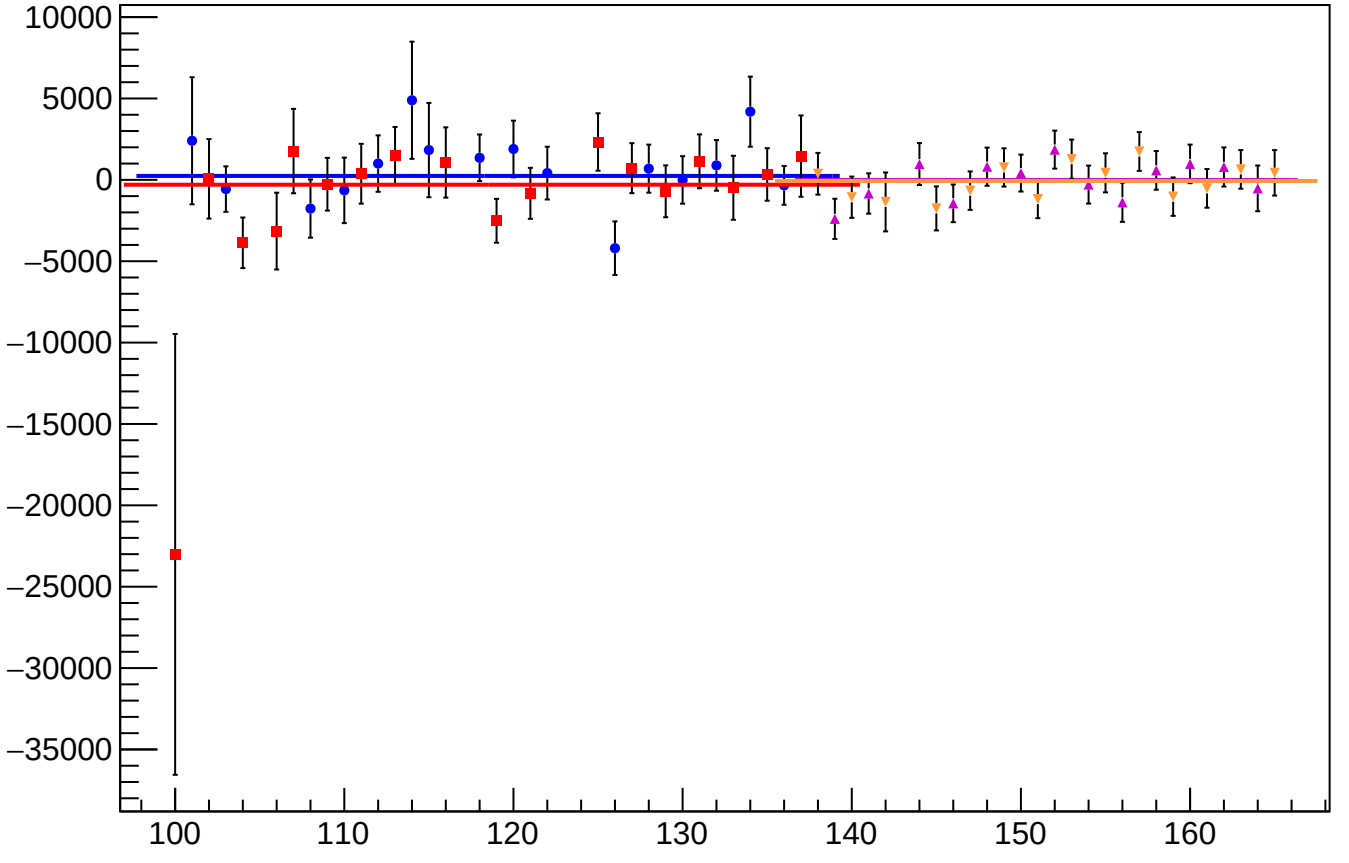
Left In: 482.757+/-0.104 χ^2/NDF:359101.0/12

+ sign 441.083+/-0.076 χ^2/NDF: 2574600.7/29

All: 441.126+/-0.054 χ^2/NDF: 5481902.7/60

- sign 441.169+/-0.076 χ^2/NDF: 2907301.3/30

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: -69.224+/-333.613 χ^2/NDF:9.5/13

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

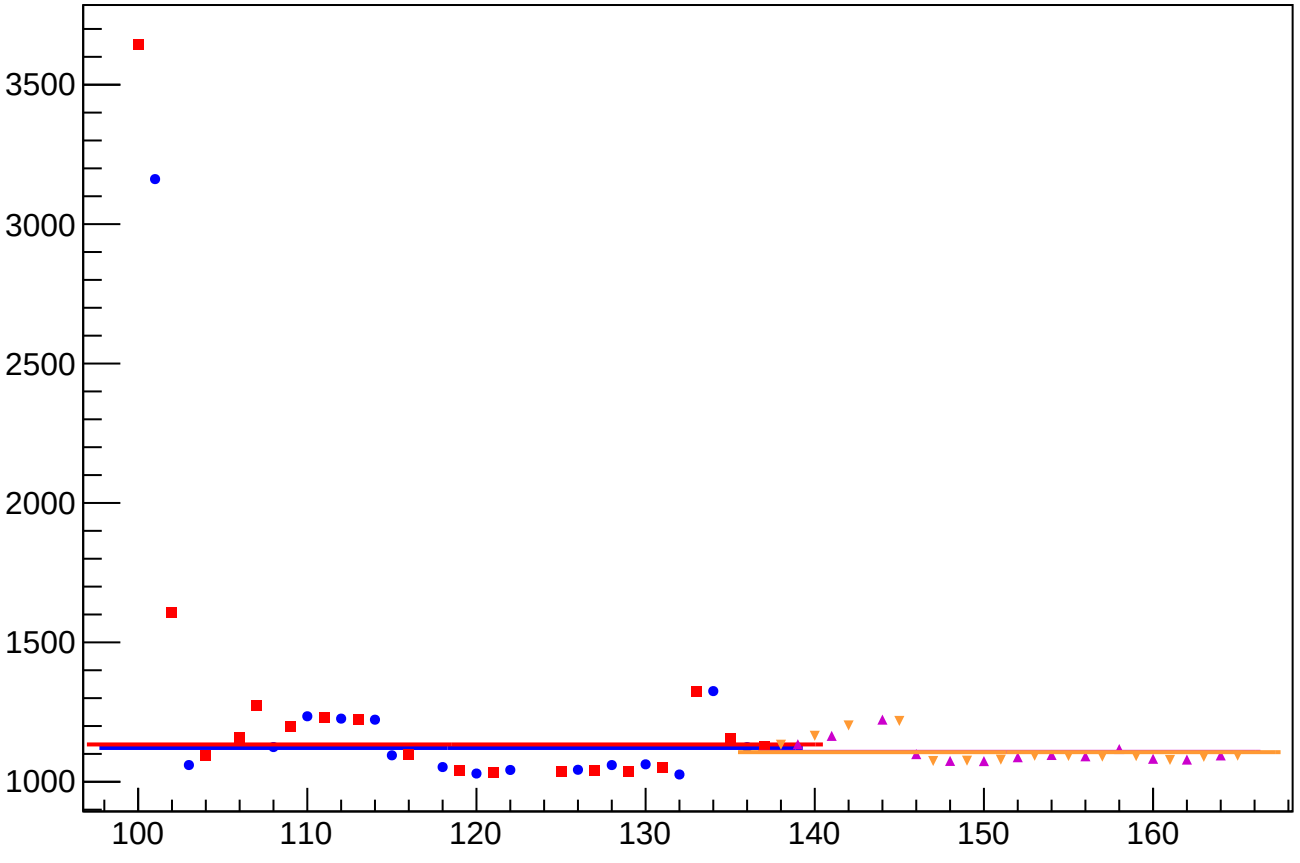
Left In: -12.516+/-334.569 χ^2/NDF:12.4/12

+ sign 48.439+/-262.794 χ^2/NDF: 26.8/29

All: -35.459+/-186.330 χ^2/NDF: 58.3/60

- sign -120.280+/-264.233 χ^2/NDF: 31.3/30

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: 1106.266+/-0.236 χ^2/NDF:31118.6/13

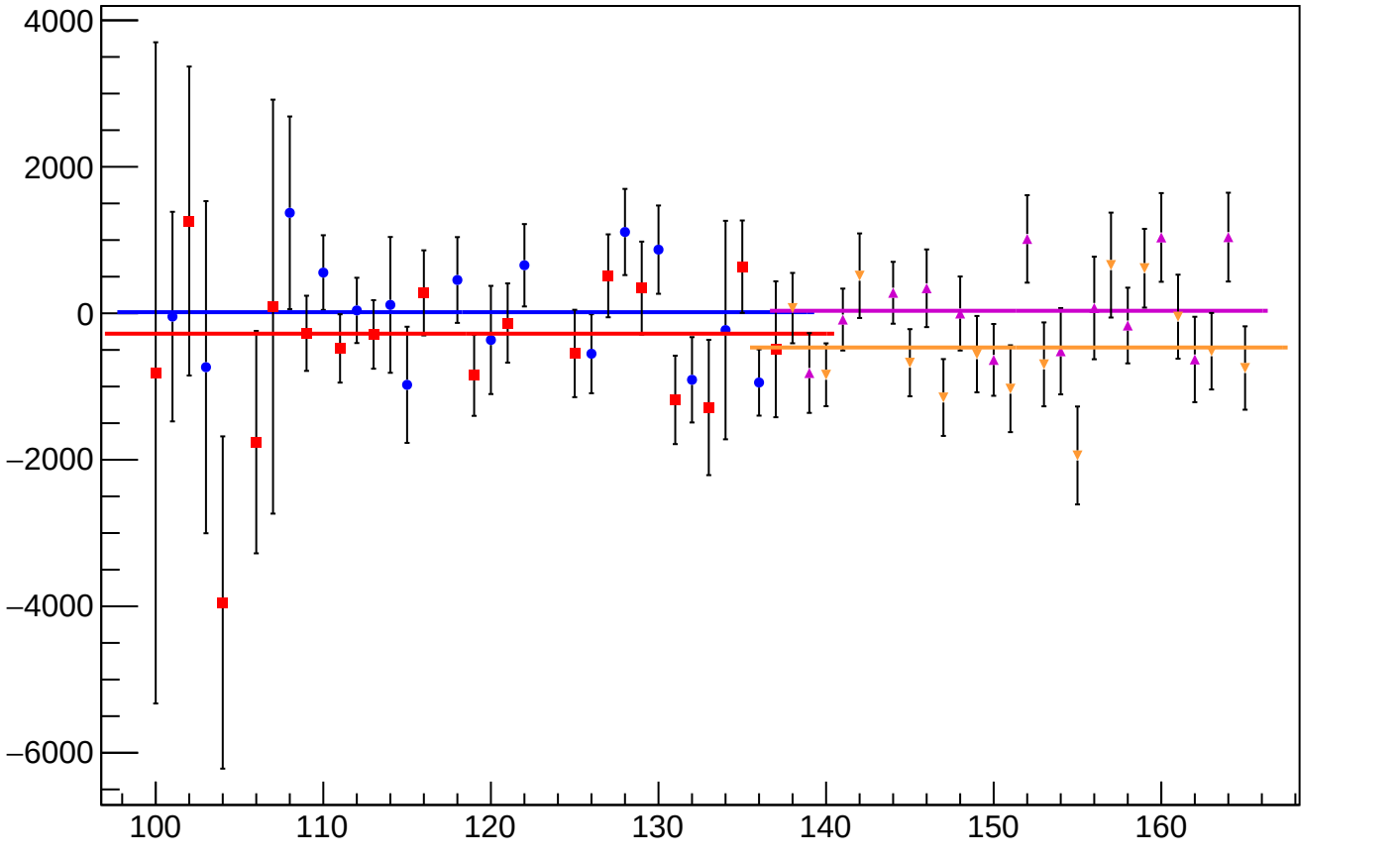
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1107.422+/-0.237 χ^2/NDF:28020.8/12

+ sign 1111.969+/-0.186 χ^2/NDF: 649687.1/29

All: 1114.668+/-0.132 χ^2/NDF: 910312.8/60

- sign 1117.395+/-0.187 χ^2/NDF: 260201.7/30



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -466.611+/-144.054 χ^2/NDF:20.1/13

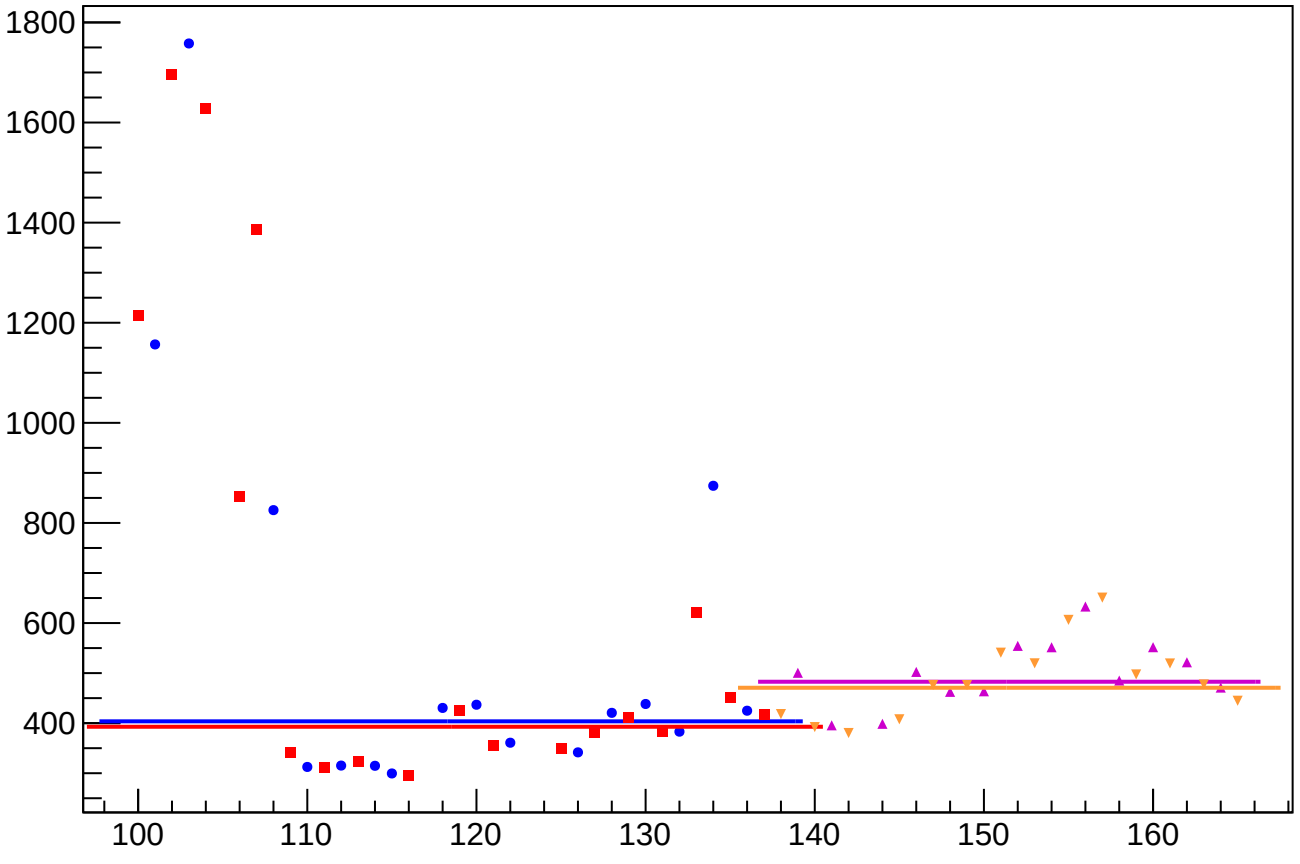
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 34.278+/-147.307 χ^2/NDF:15.6/12

+ sign -253.593+/-107.604 χ^2/NDF: 44.6/29

All: -182.184+/-76.229 χ^2/NDF: 78.2/60

- sign -110.242+/-108.005 χ^2/NDF: 32.7/30



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 470.734+/-0.102 χ^2/NDF:453333.9/13

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

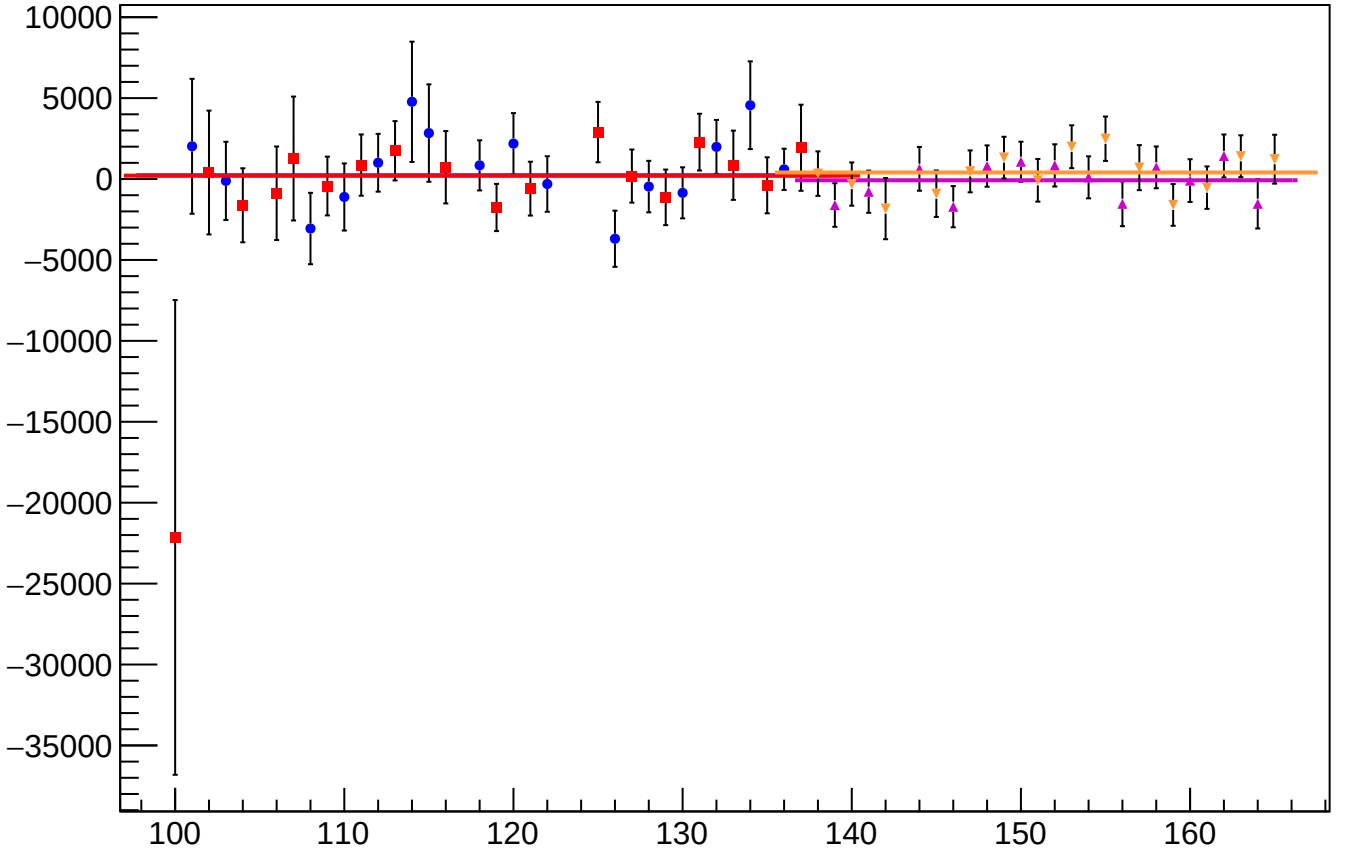
Left In: 482.758+/-0.104 χ^2/NDF:359109.6/12

+ sign 441.082+/-0.076 χ^2/NDF: 2574639.4/29

All: 441.124+/-0.054 χ^2/NDF: 5481992.5/60

- sign 441.167+/-0.076 χ^2/NDF: 2907352.5/30

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 404.668+/-365.972 χ^2/NDF:10.8/13

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

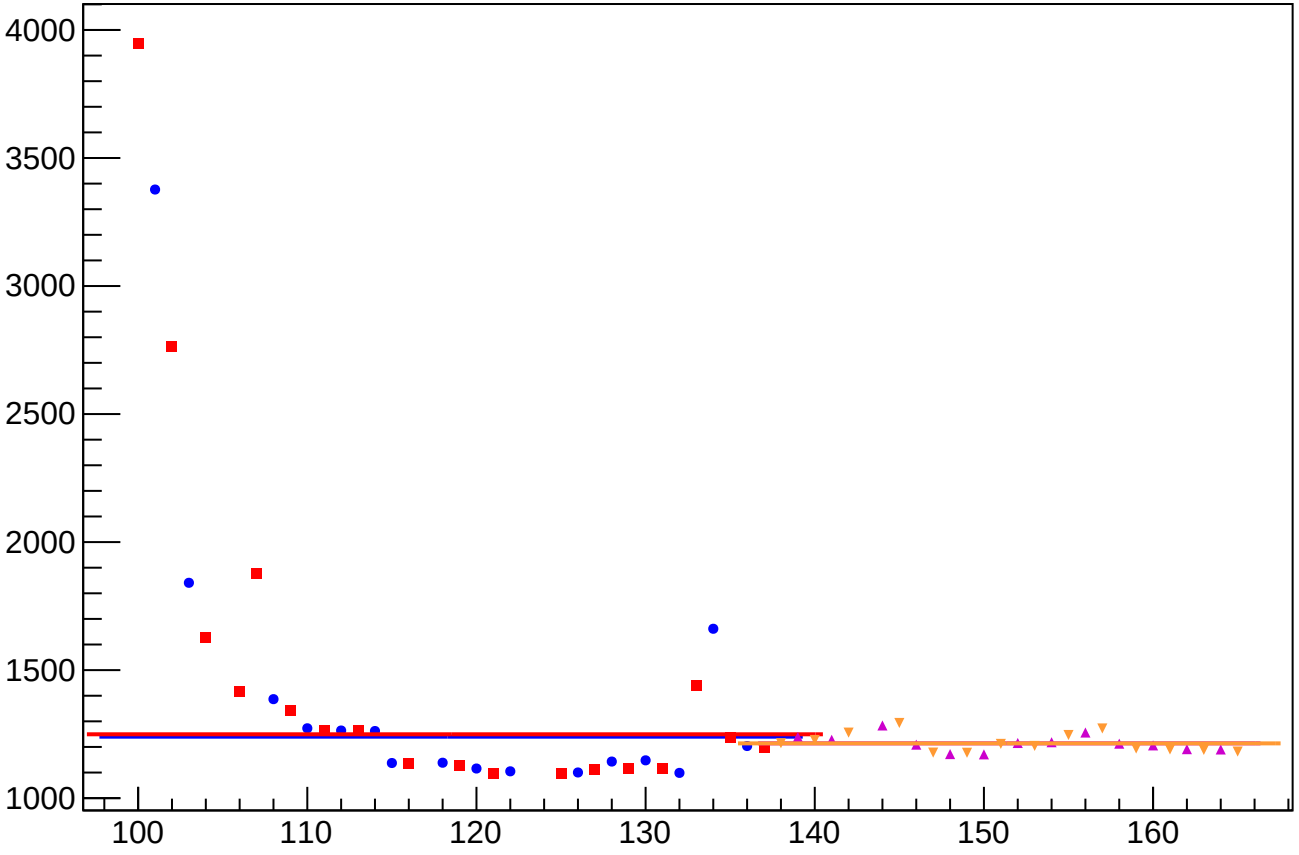
Left In: -77.231+/-366.689 χ^2/NDF:9.0/12

+ sign 337.595+/-289.804 χ^2/NDF: 27.0/29

All: 183.949+/-205.309 χ^2/NDF: 47.8/60

- sign 29.138+/-290.901 χ^2/NDF: 20.2/30

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1213.930+/-0.259 χ^2/NDF:18110.6/13

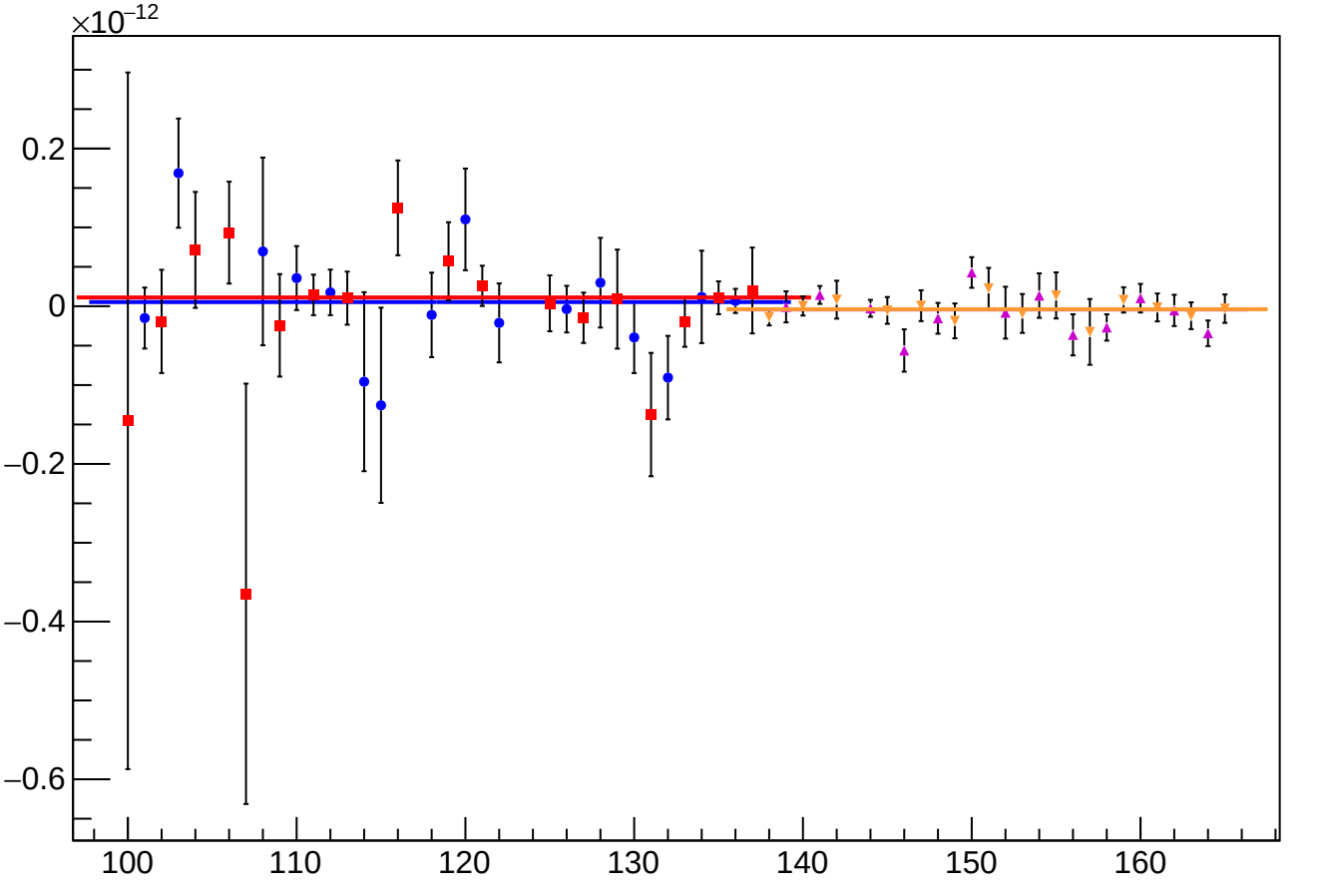
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1214.079+/-0.259 χ^2/NDF:13864.7/12

+ sign 1223.704+/-0.205 χ^2/NDF: 804616.0/29

All: 1225.433+/-0.145 χ^2/NDF: 1431604.9/60

- sign 1227.174+/-0.206 χ^2/NDF: 626846.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/13

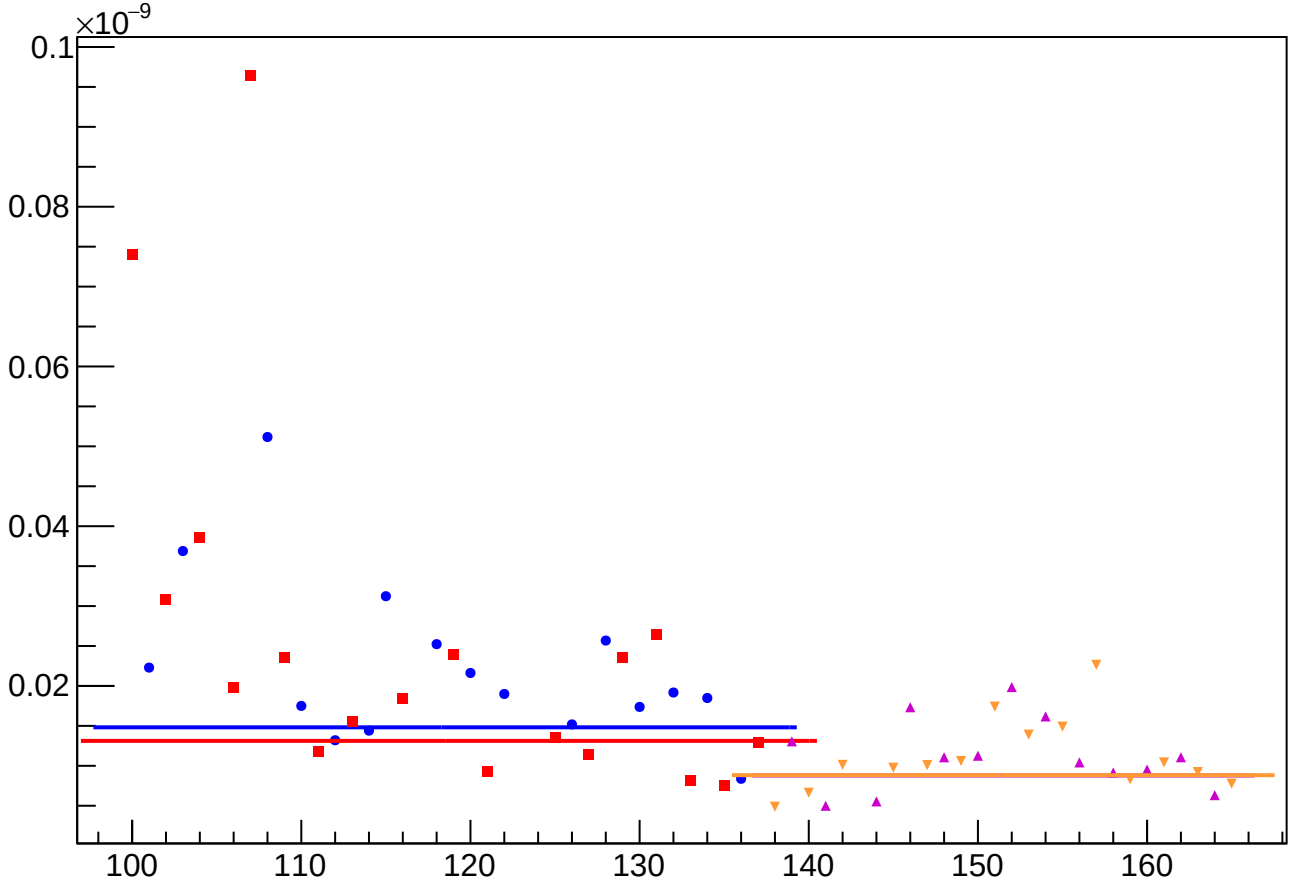
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:20.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/29

All: -0.000+/-0.000 χ^2/NDF: 59.2/60

- sign -0.000+/-0.000 χ^2/NDF: 37.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1009893.3/13

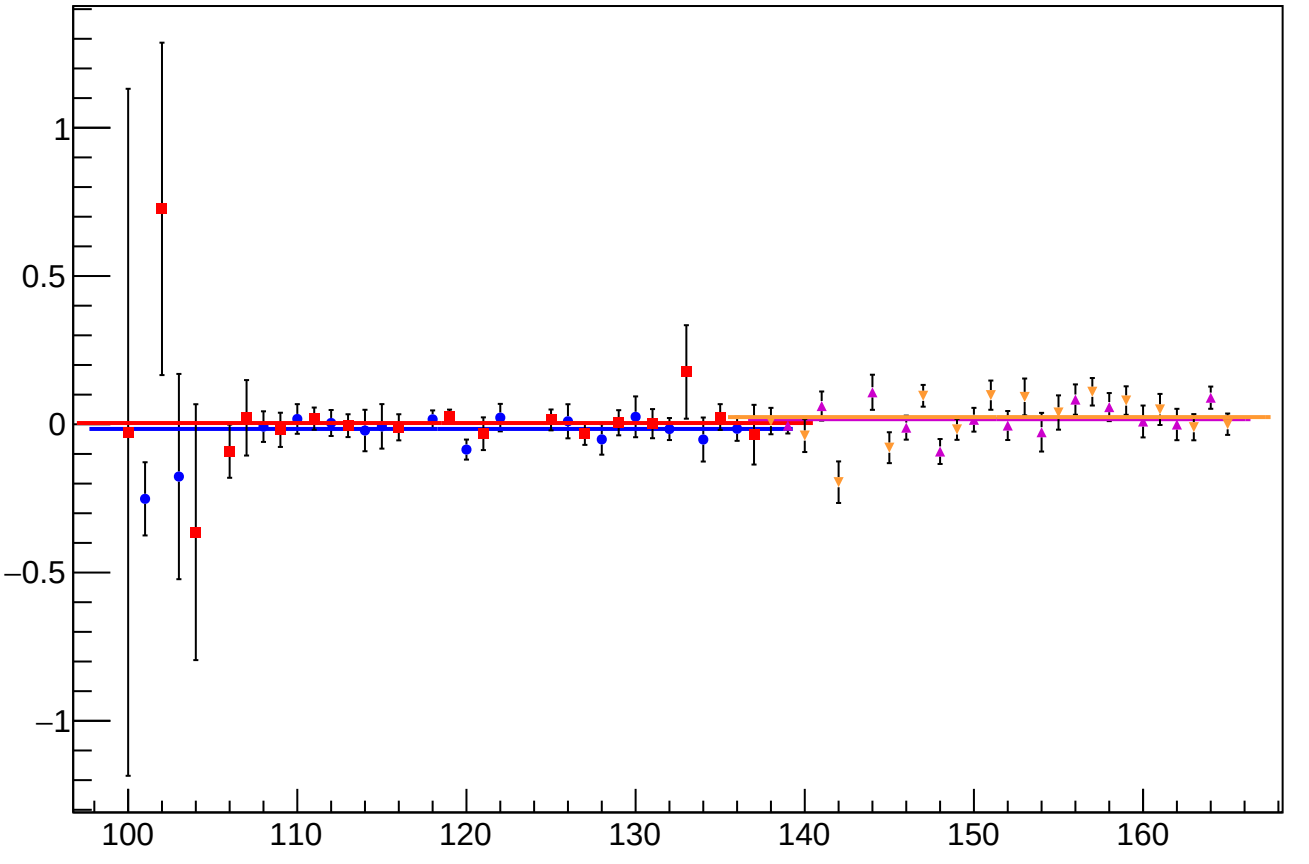
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1211181.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 2711158.3/29

All: 0.000+/-0.000 χ^2/NDF: 5445693.8/60

- sign 0.000+/-0.000 χ^2/NDF: 2729851.3/30



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

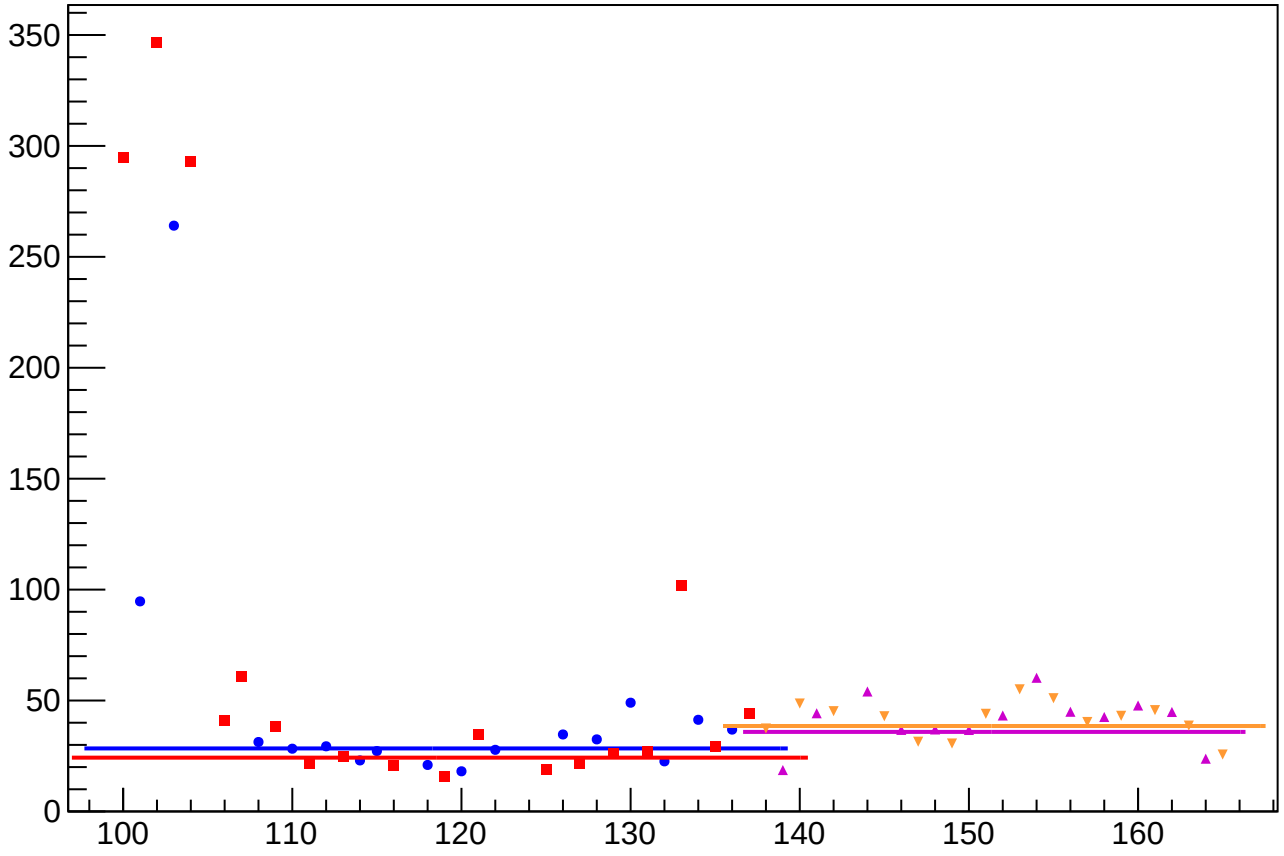
Left In: 0.017+/-0.012 χ^2/NDF:18.0/12

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/29

All: 0.007+/-0.006 χ^2/NDF: 73.7/60

- sign 0.010+/-0.008 χ^2/NDF: 26.4/30

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: 38.515+/-0.009 χ^2/NDF:848965.1/13

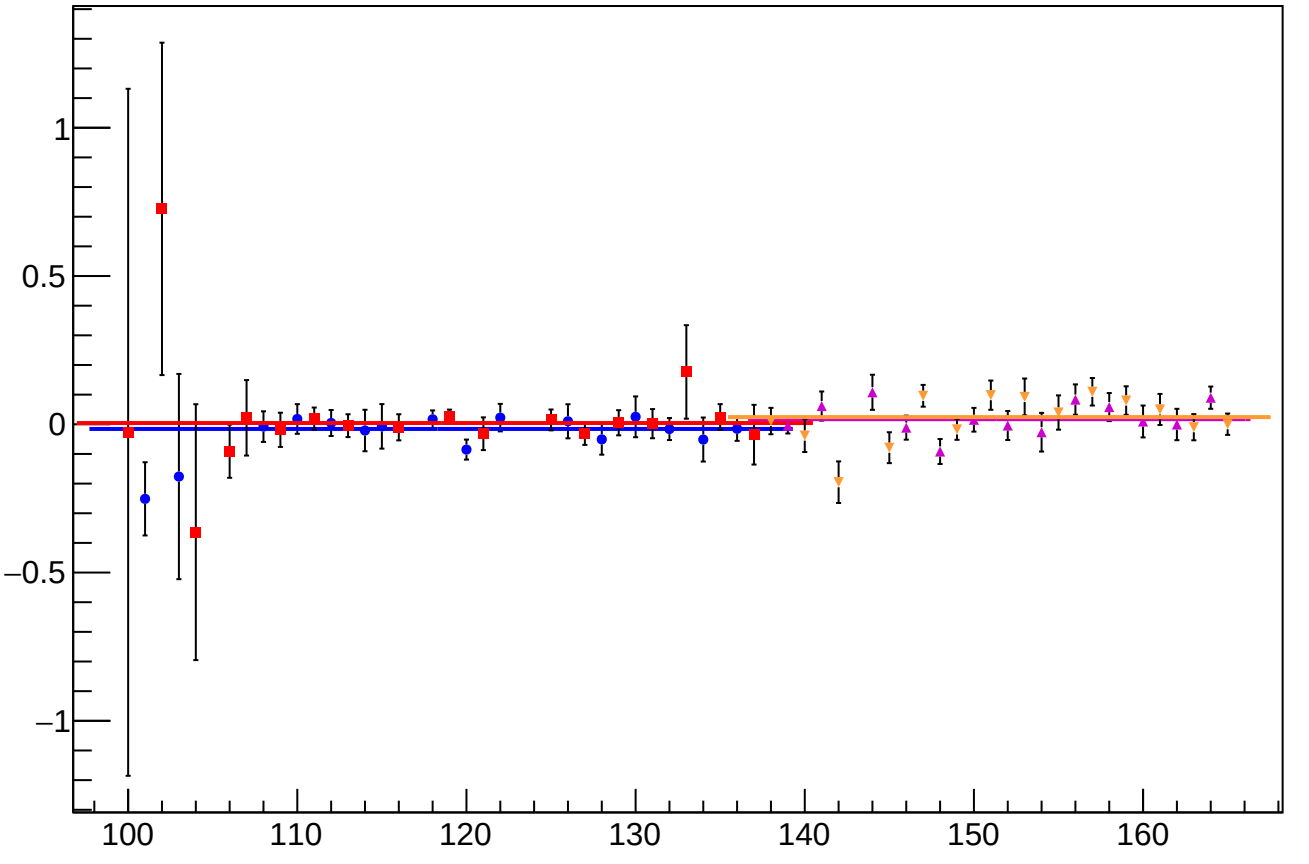
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.856+/-0.009 χ^2/NDF:1885824.2/12

+ sign 33.412+/-0.006 χ^2/NDF: 3761806.1/29

All: 31.475+/-0.004 χ^2/NDF: 9717761.0/60

- sign 29.725+/-0.006 χ^2/NDF: 5769272.4/30



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

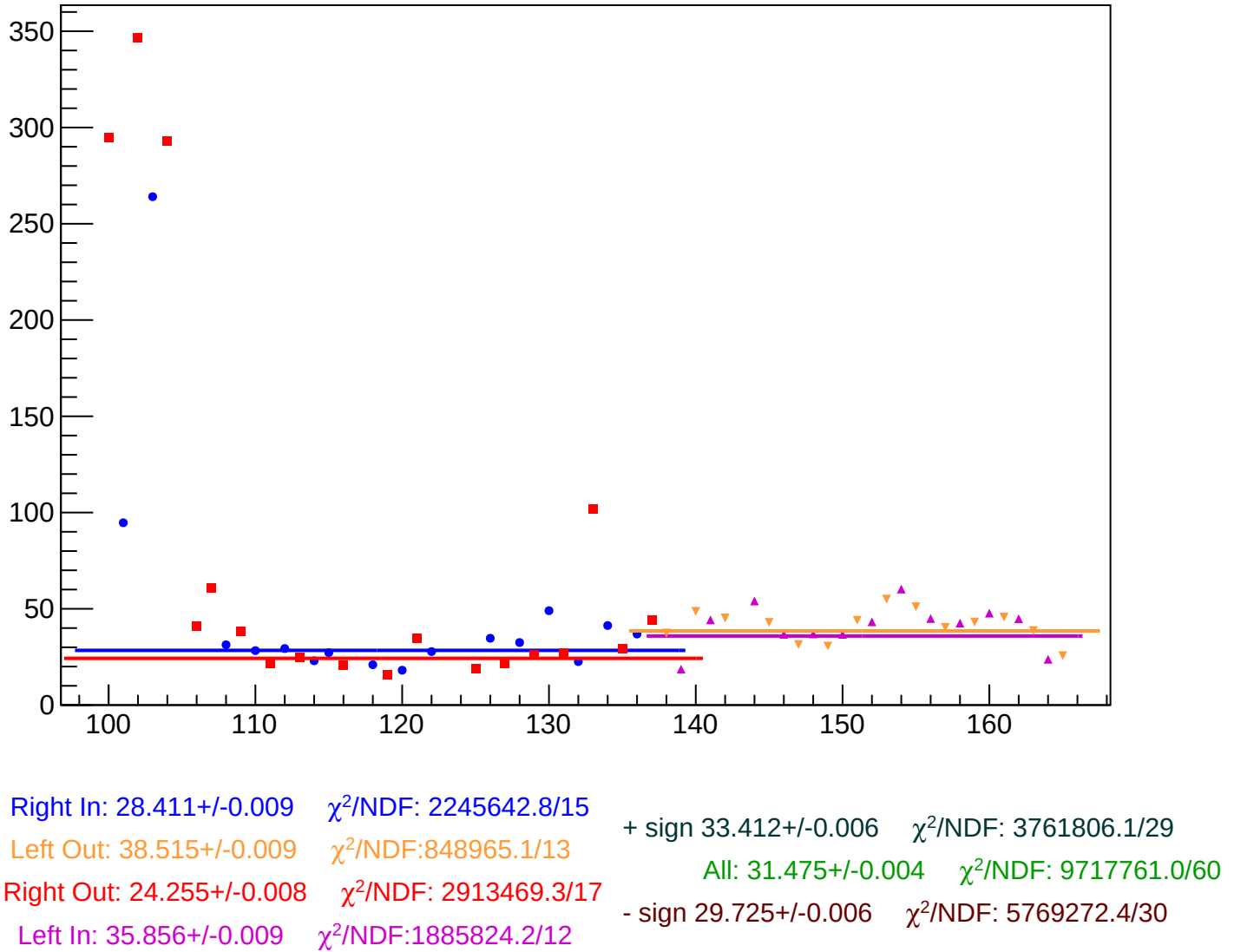
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

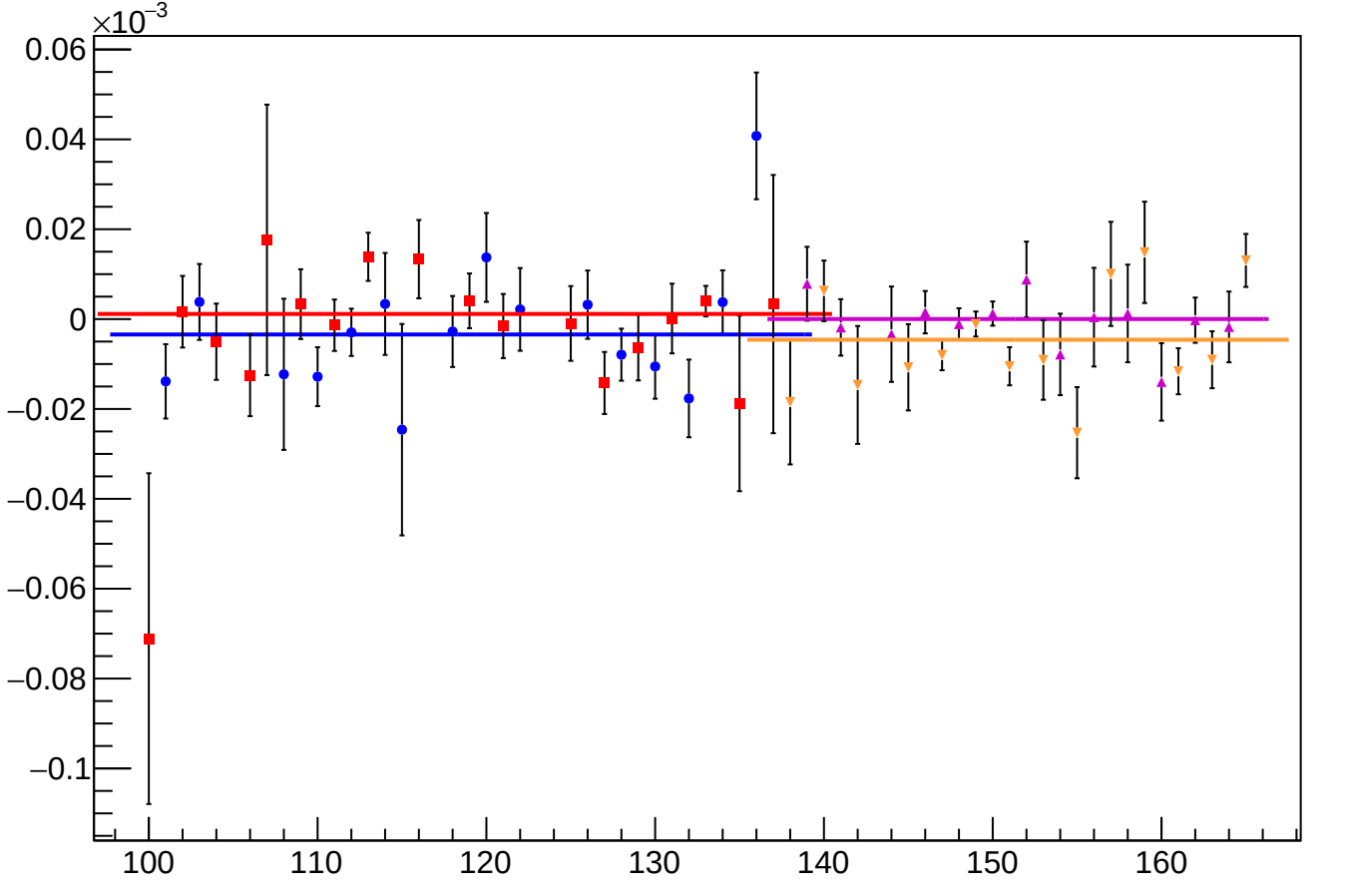
Left In: 0.017+/-0.012 χ^2/NDF:18.0/12

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/29

All: 0.007+/-0.006 χ^2/NDF: 73.7/60

- sign 0.010+/-0.008 χ^2/NDF: 26.4/30


asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
160
Right In: 28.411+/-0.009 χ²/NDF: 2245642.8/15
Left Out: 38.515+/-0.009 χ²/NDF:848965.1/13
Right Out: 24.255+/-0.008 χ²/NDF: 2913469.3/17
Left In: 35.856+/-0.009 χ²/NDF:1885824.2/12
+ sign 33.412+/-0.006 χ²/NDF: 3761806.1/29
All: 31.475+/-0.004 χ²/NDF: 9717761.0/60
- sign 29.725+/-0.006 χ²/NDF: 5769272.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.4/13

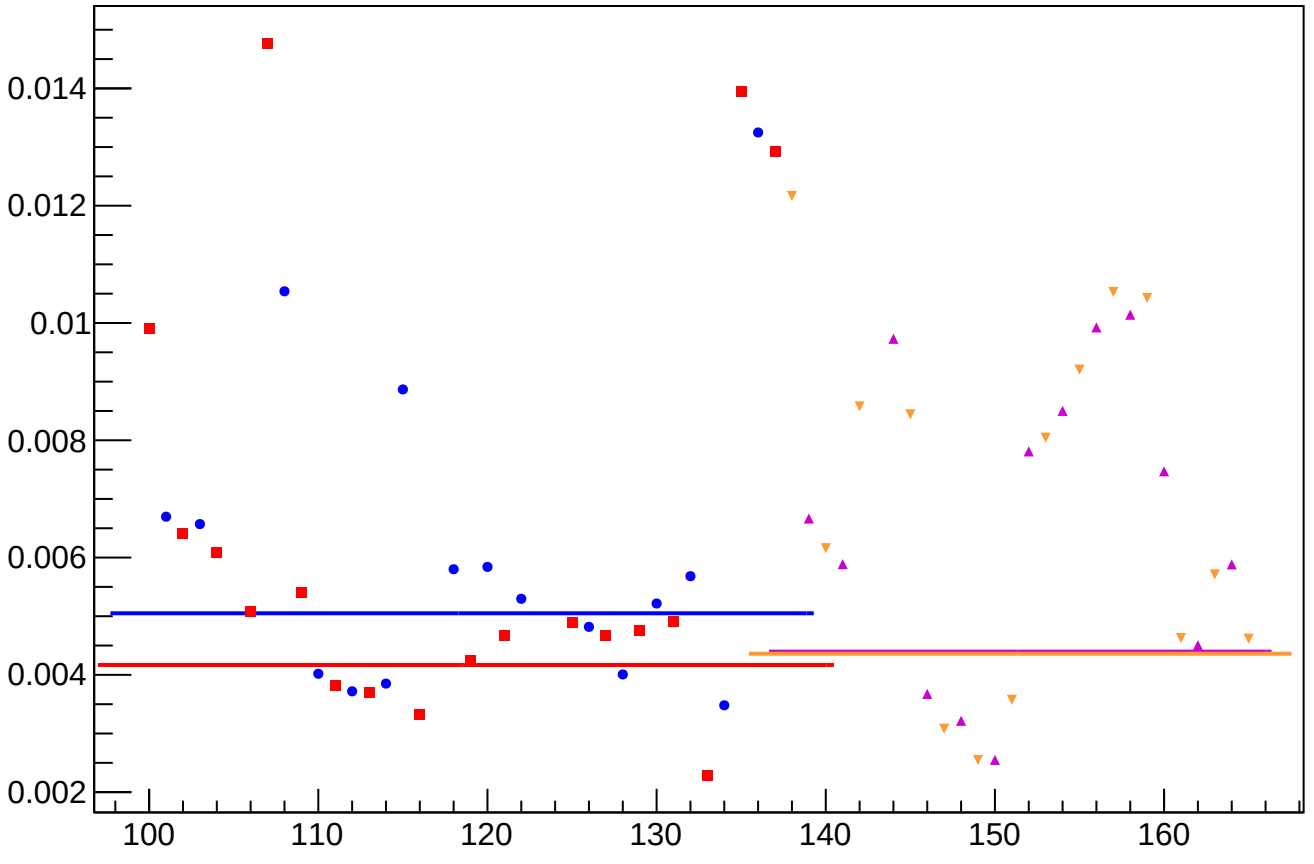
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/29

All: -0.000+/-0.000 χ^2/NDF: 92.1/60

- sign 0.000+/-0.000 χ^2/NDF: 29.3/30



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:4587517.9/13

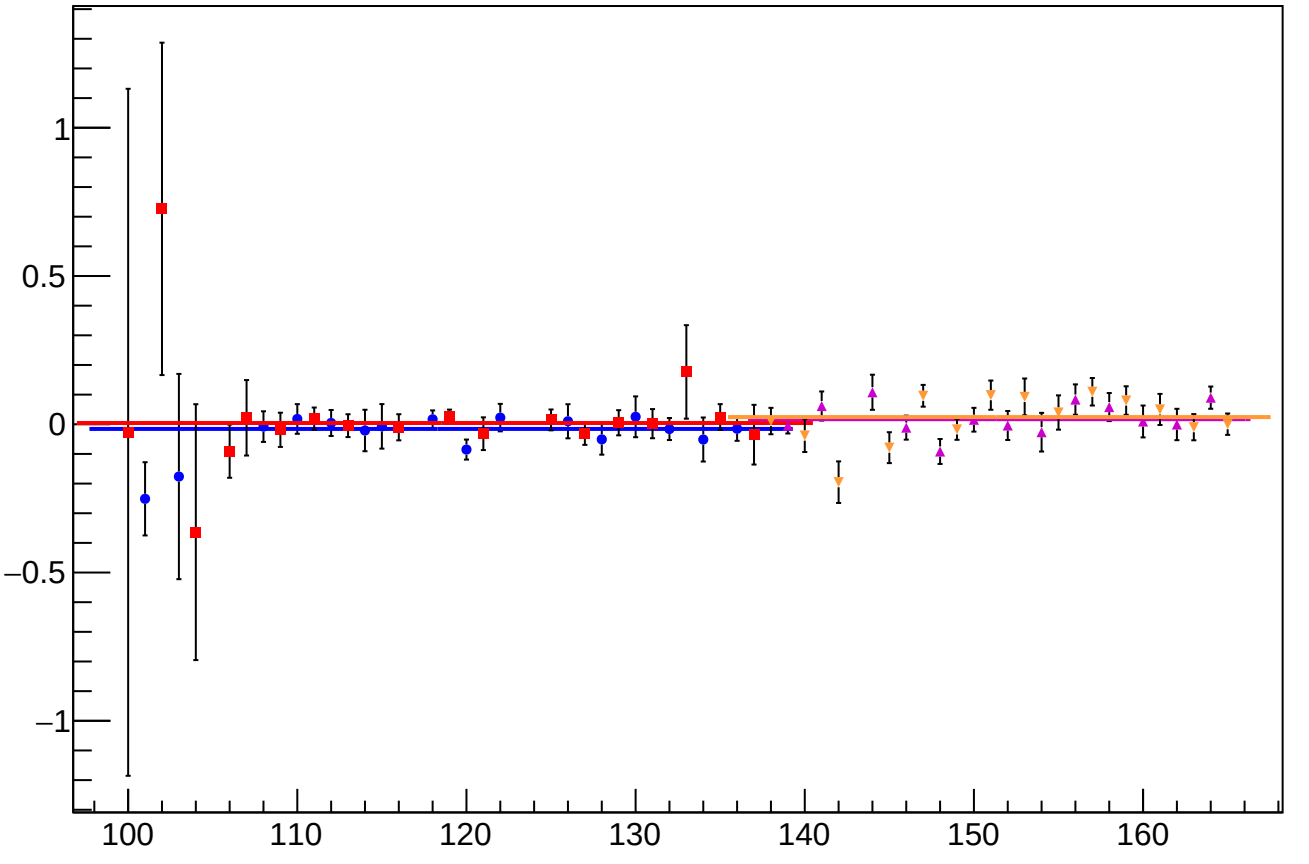
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:4110791.2/12

+ sign 0.005+/-0.000 χ^2/NDF: 6231499.0/29

All: 0.004+/-0.000 χ^2/NDF: 12474401.9/60

- sign 0.004+/-0.000 χ^2/NDF: 6172489.2/30



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

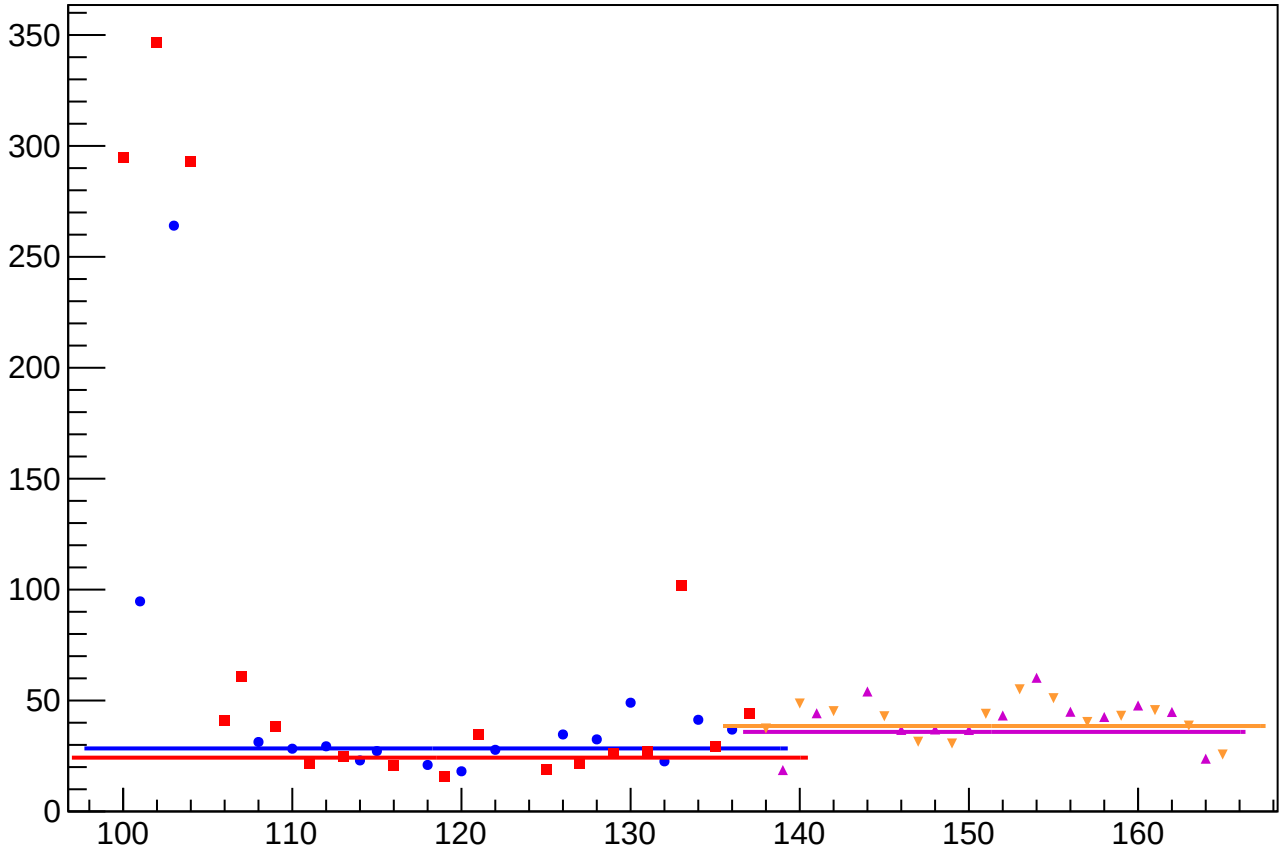
Left In: 0.017+/-0.012 χ^2/NDF:18.0/12

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/29

All: 0.007+/-0.006 χ^2/NDF: 73.7/60

- sign 0.010+/-0.008 χ^2/NDF: 26.4/30

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.515+/-0.009 χ^2/NDF:849136.2/13

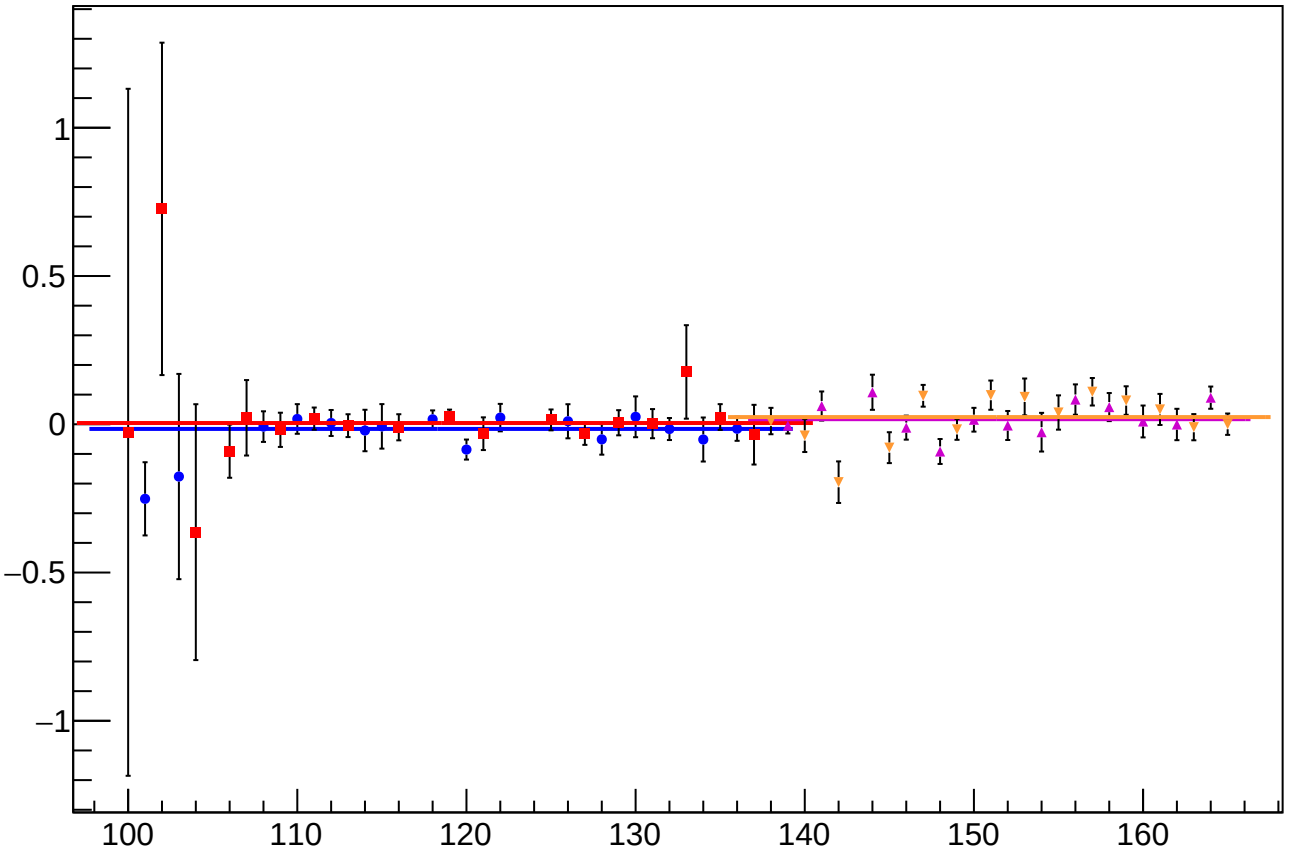
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.856+/-0.009 χ^2/NDF:1886263.6/12

+ sign 33.412+/-0.006 χ^2/NDF: 3761956.2/29

All: 31.474+/-0.004 χ^2/NDF: 9718941.9/60

- sign 29.723+/-0.006 χ^2/NDF: 5770190.0/30



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.024+/-0.012 χ^2/NDF:29.9/13

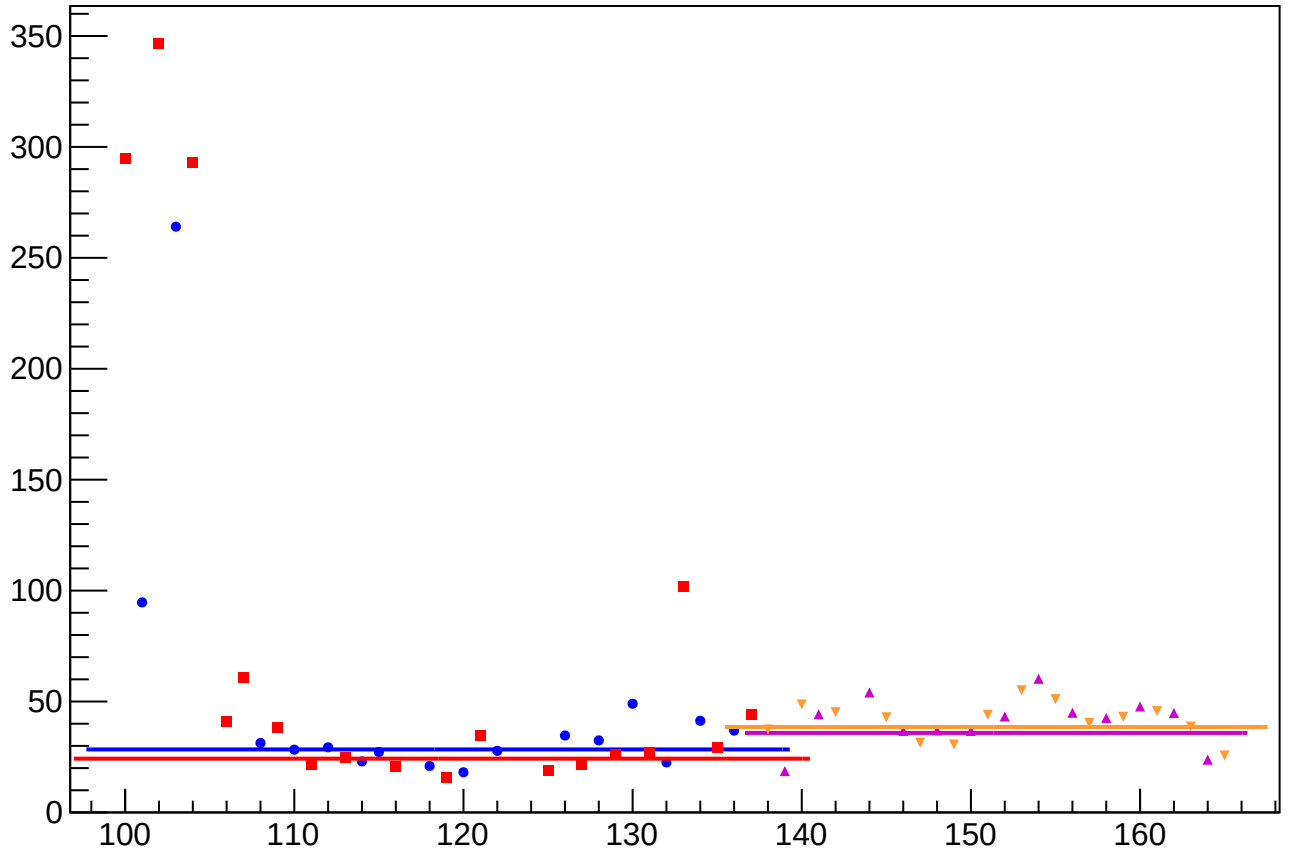
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.017+/-0.012 χ^2/NDF:18.0/12

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/29

All: 0.007+/-0.006 χ^2/NDF: 73.7/60

- sign 0.010+/-0.008 χ^2/NDF: 26.4/30



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 38.515+/-0.009 χ^2/NDF:849136.2/13

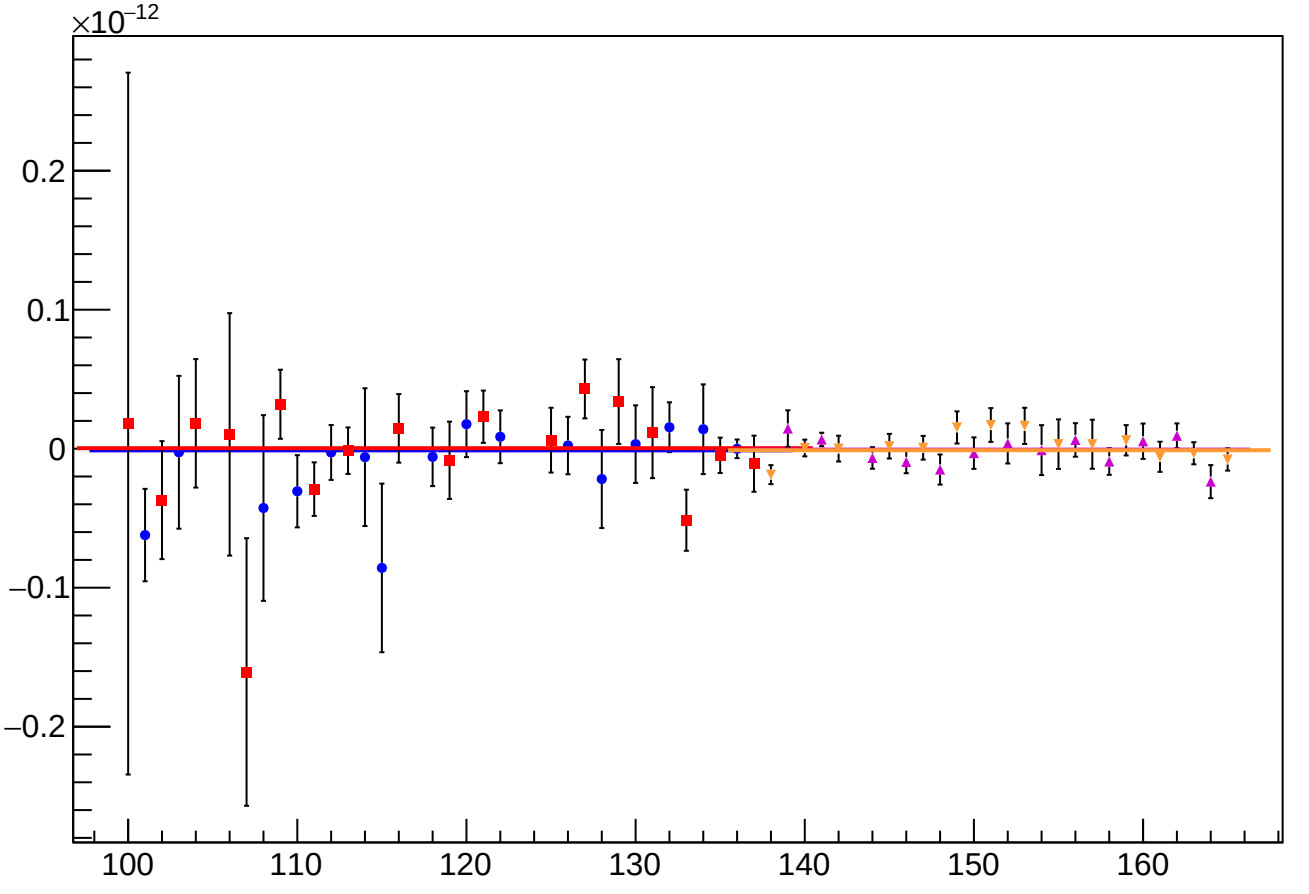
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.856+/-0.009 χ^2/NDF:1886263.6/12

+ sign 33.412+/-0.006 χ^2/NDF: 3761956.2/29

All: 31.474+/-0.004 χ^2/NDF: 9718941.9/60

- sign 29.723+/-0.006 χ^2/NDF: 5770190.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/13

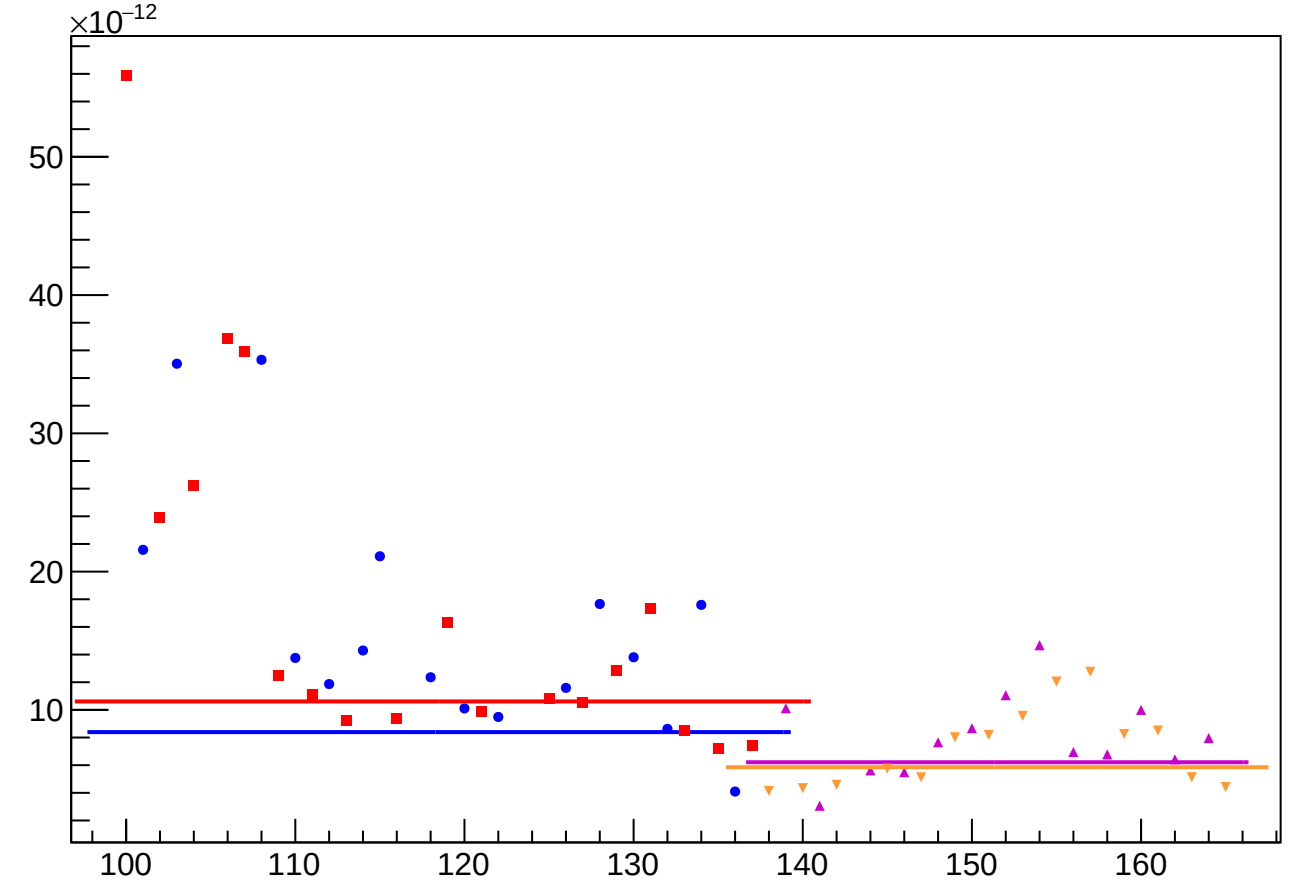
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 23.8/29

All: -0.000+/-0.000 χ^2/NDF: 58.6/60

- sign -0.000+/-0.000 χ^2/NDF: 34.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1456664.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

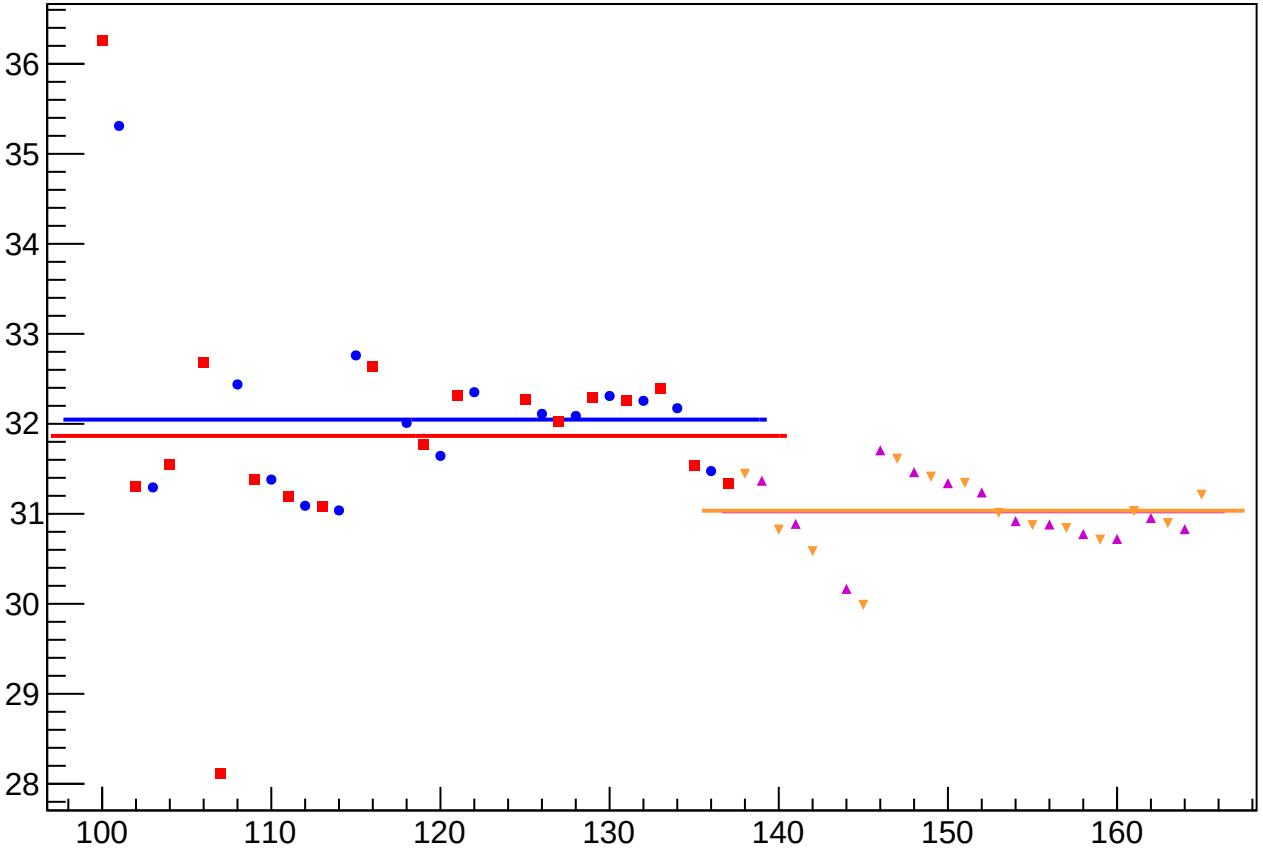
Left In: 0.000+/-0.000 χ^2/NDF:2077276.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 4612038.8/29

All: 0.000+/-0.000 χ^2/NDF: 9001323.3/60

- sign 0.000+/-0.000 χ^2/NDF: 4320854.7/30

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.035+/-0.000 χ^2/NDF:219814198.2/13

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

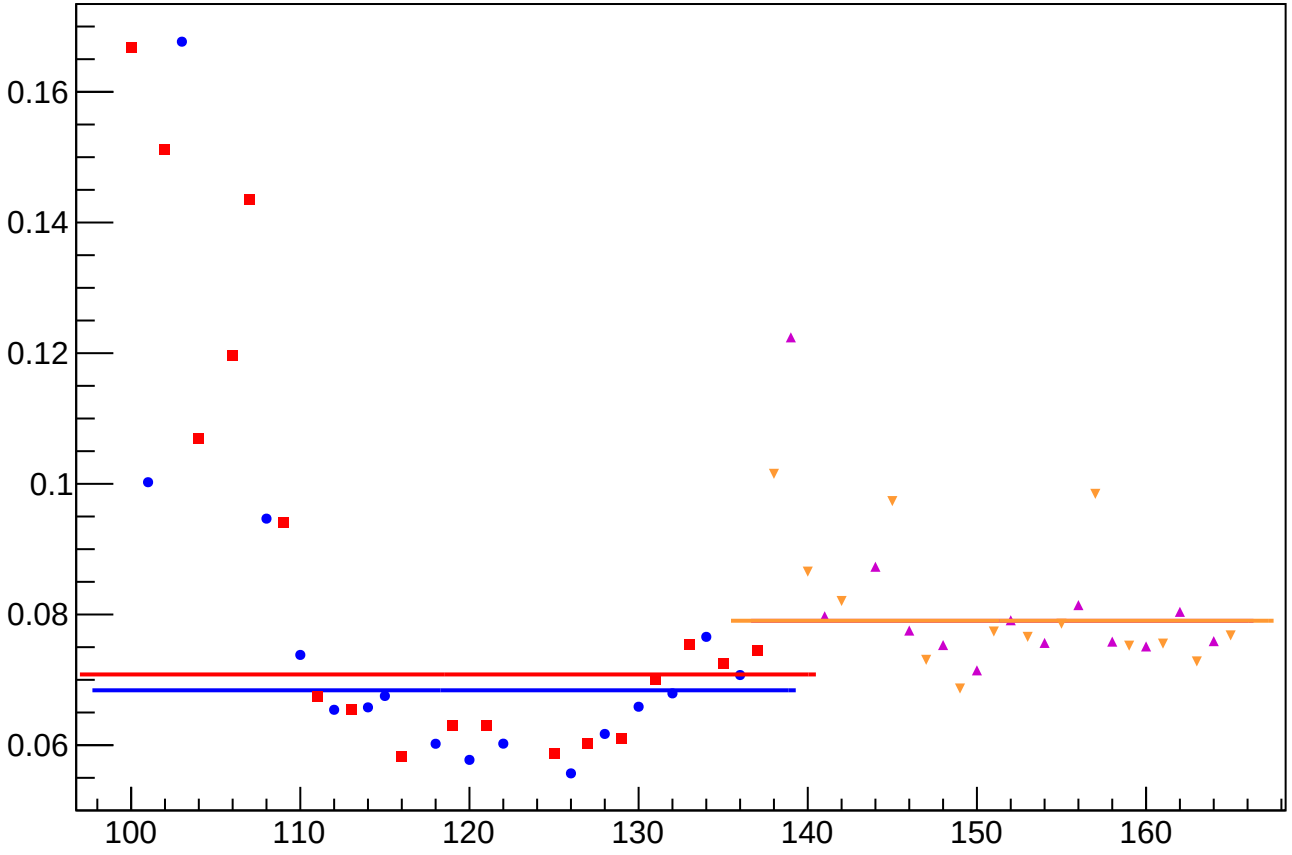
Left In: 31.028+/-0.000 χ^2/NDF:224050206.6/12

+ sign 31.501+/-0.000 χ^2/NDF: 1858223323.4/29

All: 31.450+/-0.000 χ^2/NDF: 3069097227.9/6

- sign 31.399+/-0.000 χ^2/NDF: 1195991725.8/30

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.079+/-0.000 χ^2/NDF:255605.0/13

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

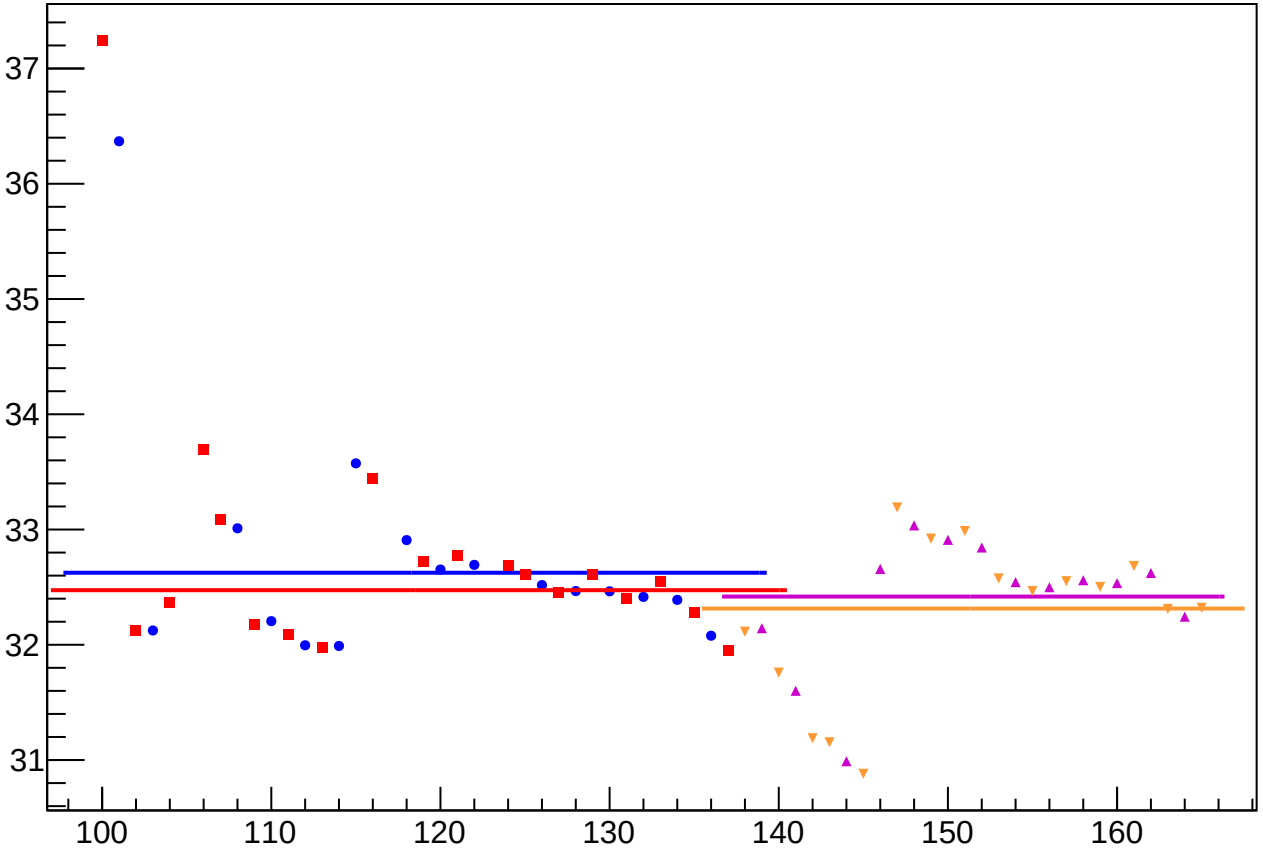
Left In: 0.079+/-0.000 χ^2/NDF:249014.4/12

+ sign 0.074+/-0.000 χ^2/NDF: 1122502.1/29

All: 0.075+/-0.000 χ^2/NDF: 2337334.8/60

- sign 0.075+/-0.000 χ^2/NDF: 1210346.9/30

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.314+/-0.000 χ^2/NDF:773276305.5/14

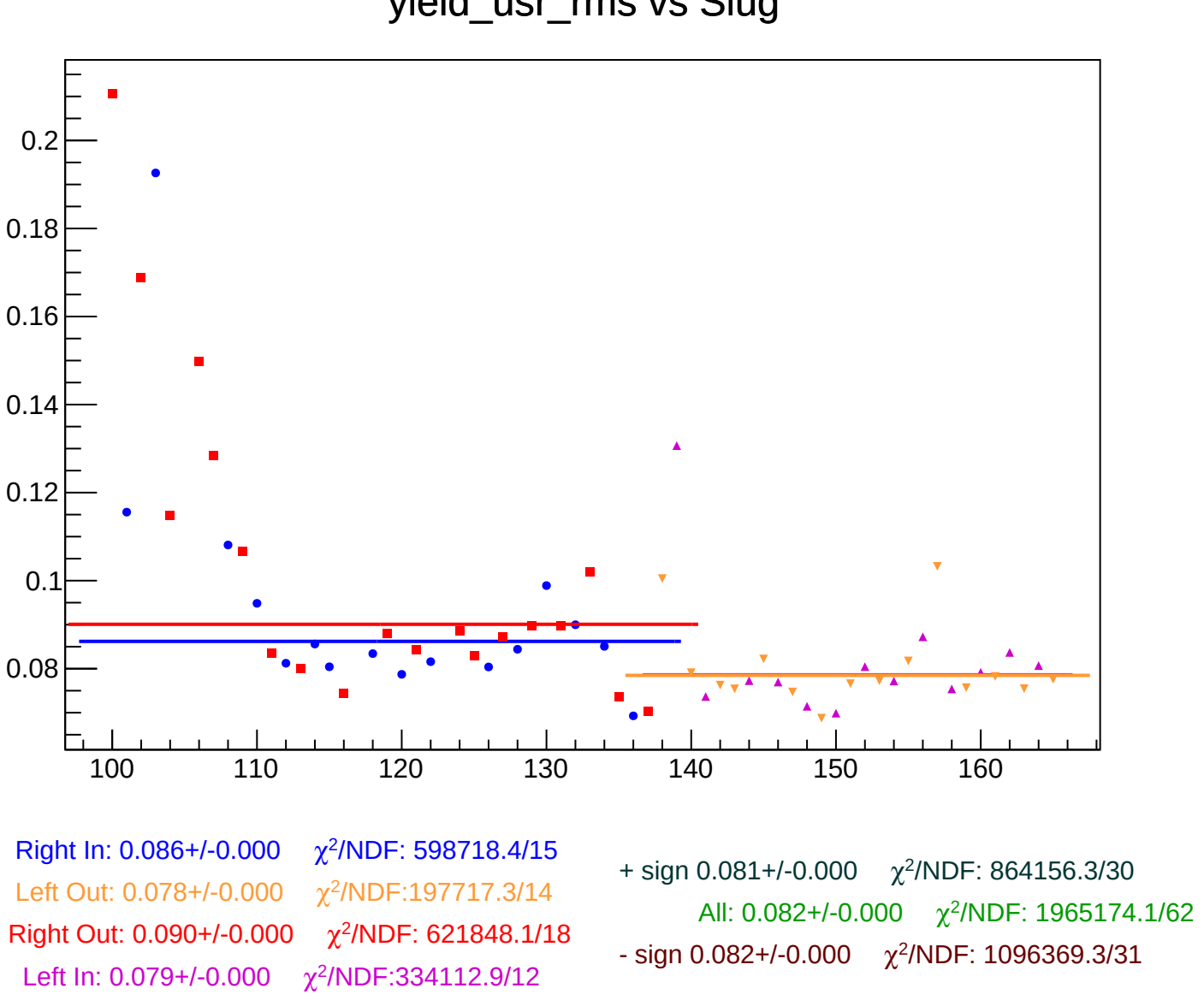
Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.418+/-0.000 χ^2/NDF:527571428.5/12

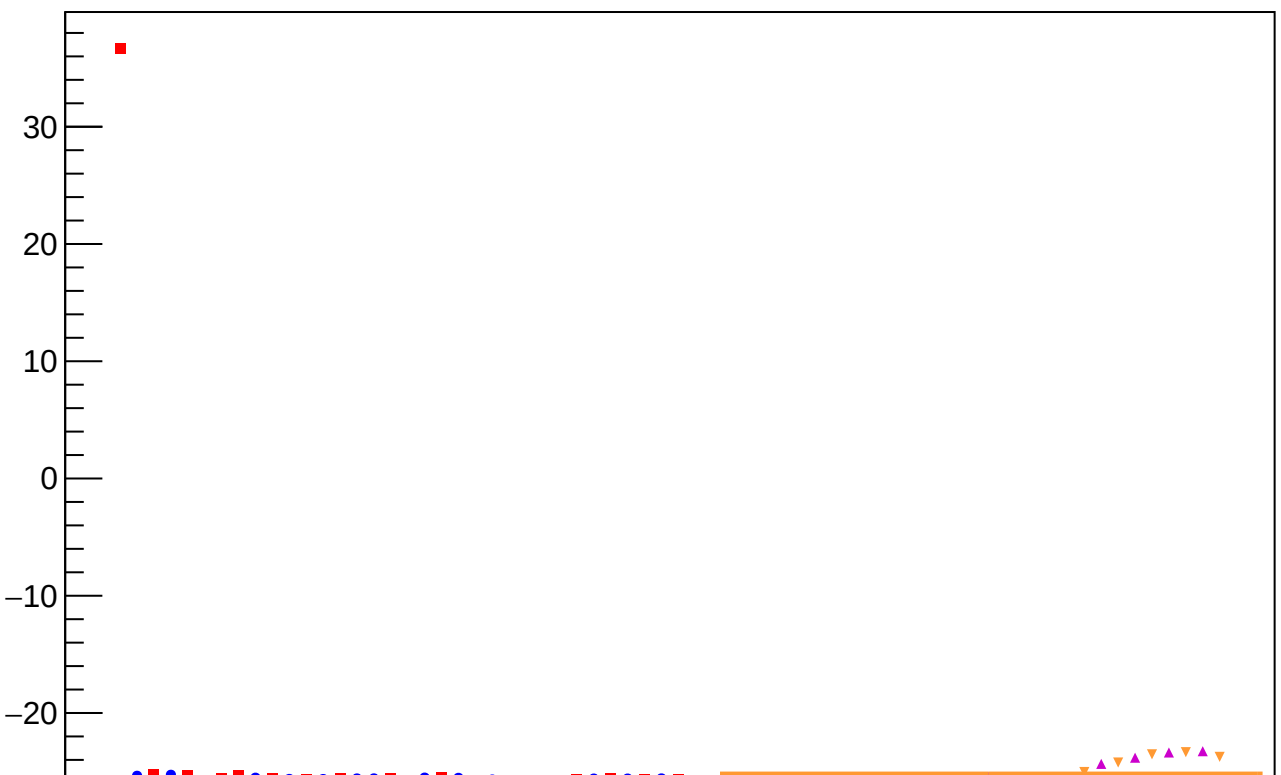
+ sign 32.417+/-0.000 χ^2/NDF: 1567105142.1/30

All: 32.426+/-0.000 χ^2/NDF: 2253596753.9/6

- sign 32.437+/-0.000 χ^2/NDF: 685993353.5/31


yield_usr_rms vs Slug
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
Right In: 0.086+/-0.000 χ²/NDF: 598718.4/15
Left Out: 0.078+/-0.000 χ²/NDF:197717.3/14
Right Out: 0.090+/-0.000 χ²/NDF: 621848.1/18
Left In: 0.079+/-0.000 χ²/NDF:334112.9/12
+ sign 0.081+/-0.000 χ²/NDF: 864156.3/30
All: 0.082+/-0.000 χ²/NDF: 1965174.1/62
- sign 0.082+/-0.000 χ²/NDF: 1096369.3/31

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.167+/-0.000 χ^2/NDF:3821861946.9/13

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

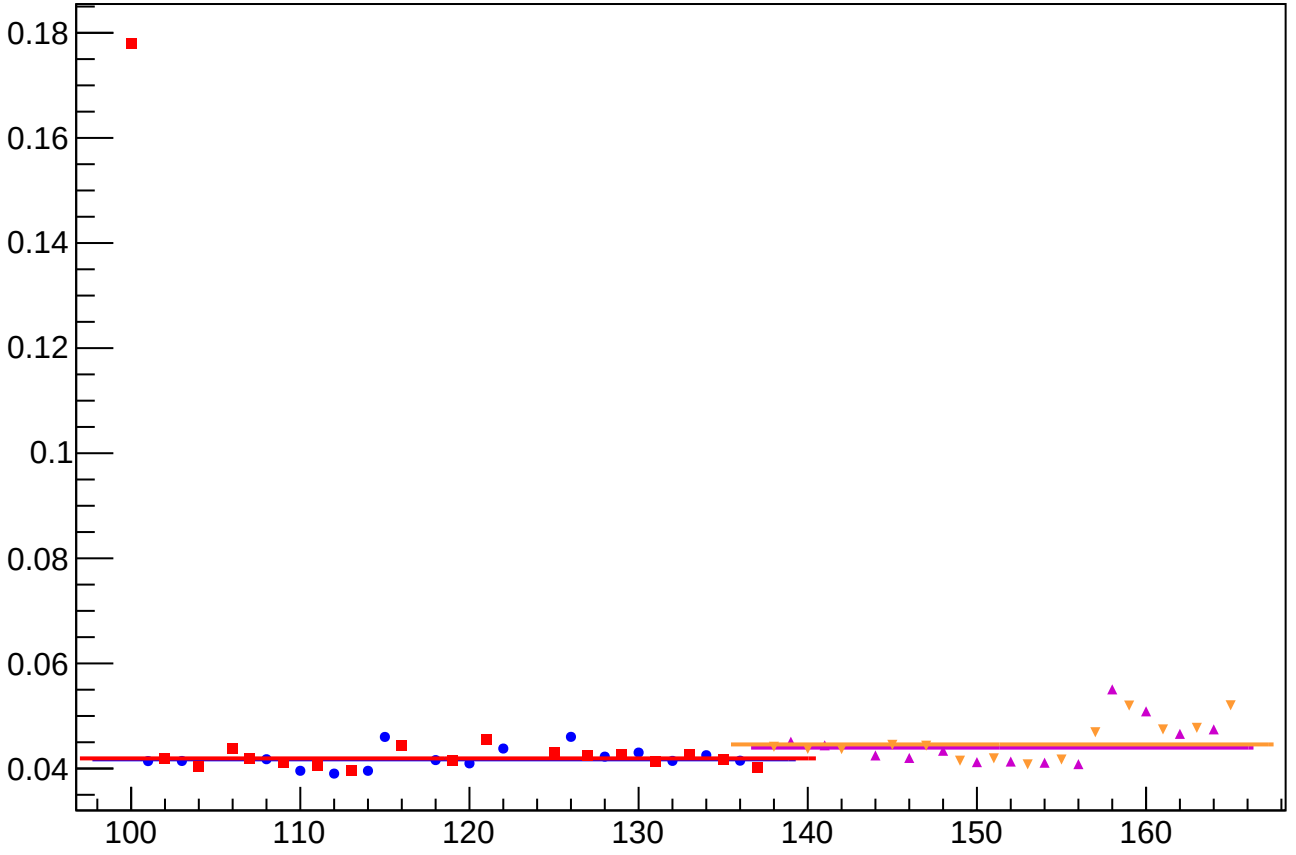
Left In: -25.218+/-0.000 χ^2/NDF:3897508943.9/12

+ sign -25.345+/-0.000 χ^2/NDF: 4315469334.8/29

All: -25.351+/-0.000 χ^2/NDF: 17371739672.0

- sign -25.357+/-0.000 χ^2/NDF: 13055629999.0/30

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:113134.6/13

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

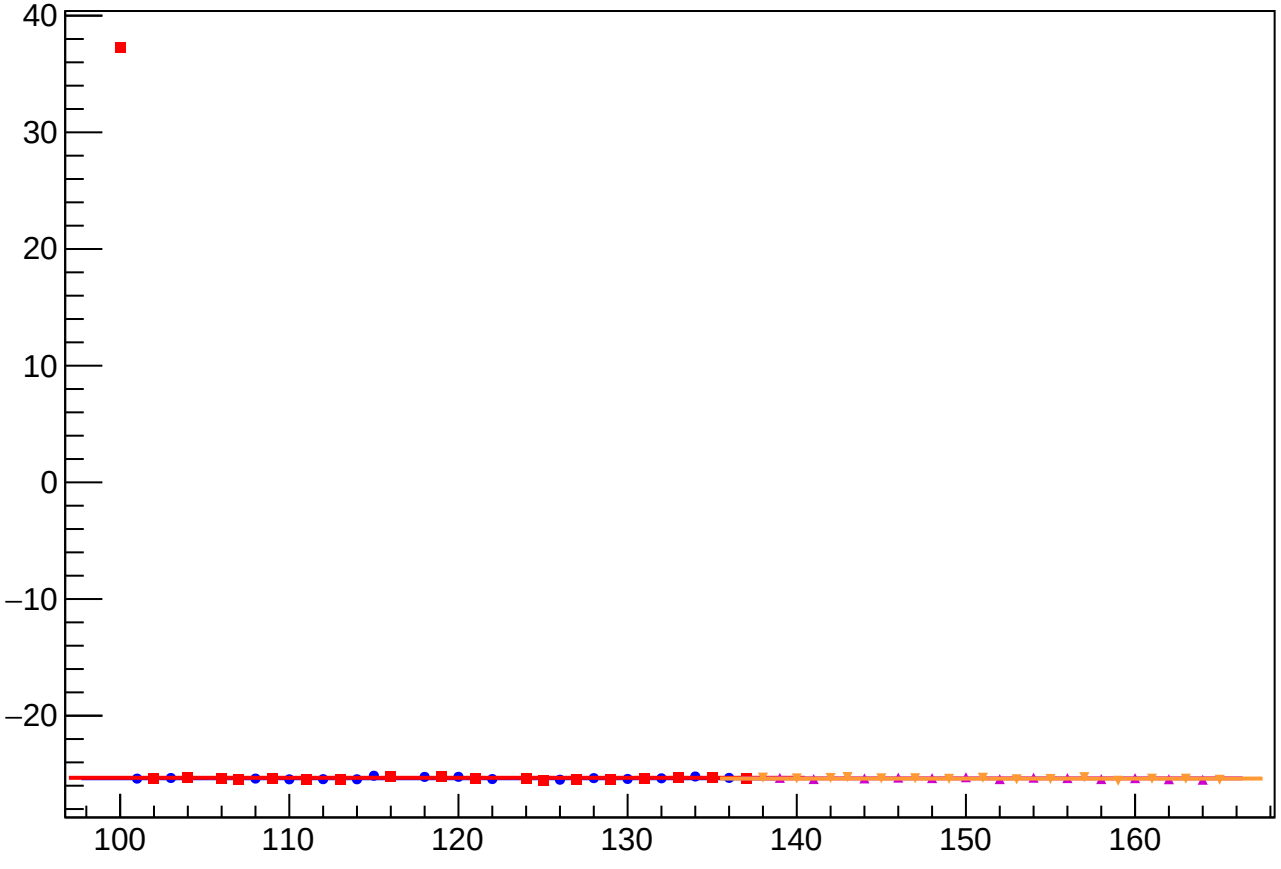
Left In: 0.044+/-0.000 χ^2/NDF:150518.7/12

+ sign 0.043+/-0.000 χ^2/NDF: 171416.5/29

All: 0.043+/-0.000 χ^2/NDF: 442536.8/60

- sign 0.043+/-0.000 χ^2/NDF: 270500.1/30

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.388+/-0.000 χ^2/NDF:24595498.8/14

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

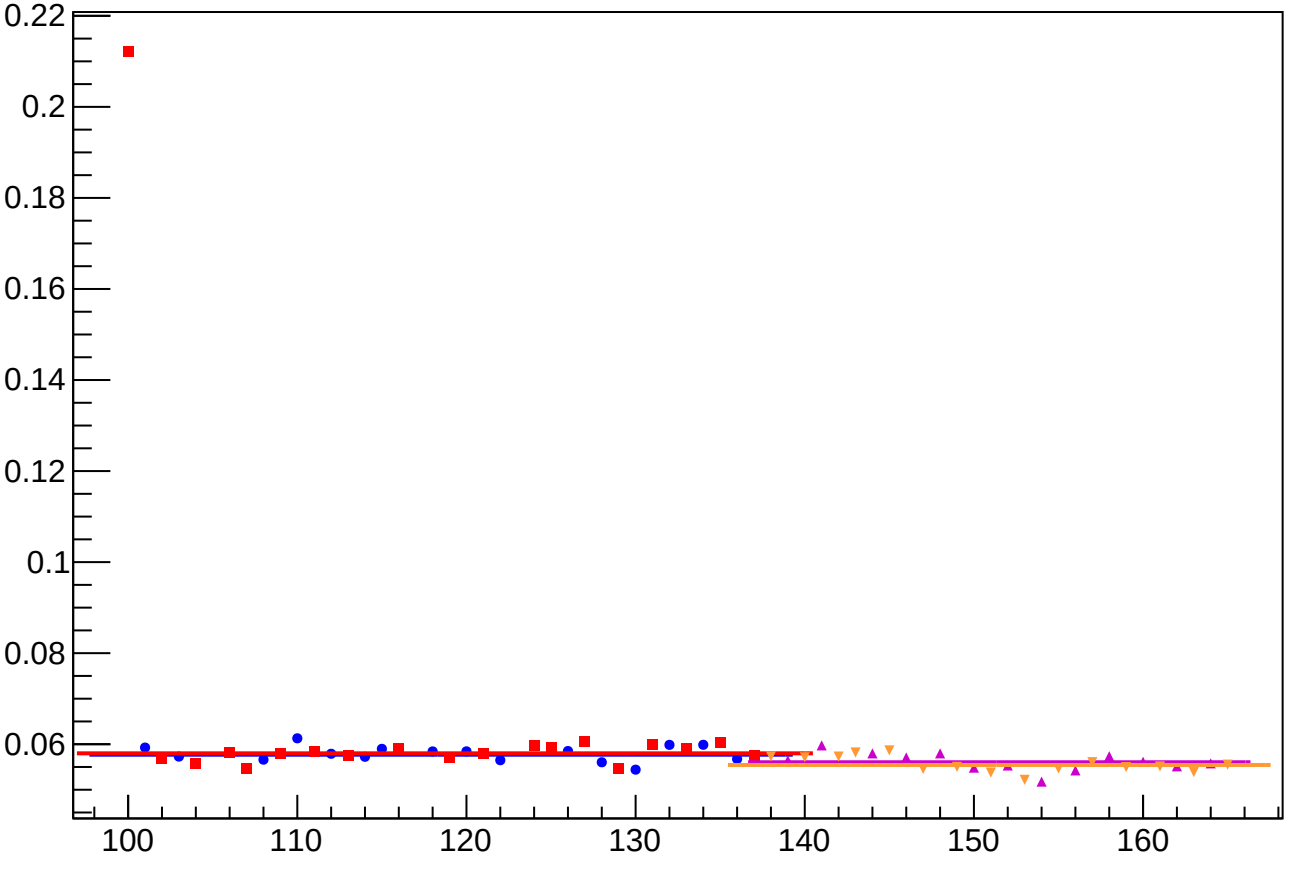
Left In: -25.368+/-0.000 χ^2/NDF:12532538.4/12

\+ sign -25.378+/-0.000 χ^2/NDF: 38885766.9/30

All: -25.364+/-0.000 χ^2/NDF: 6371242110.5/

\- sign -25.350+/-0.000 χ^2/NDF: 6330163202.1/31

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:22437.2/14

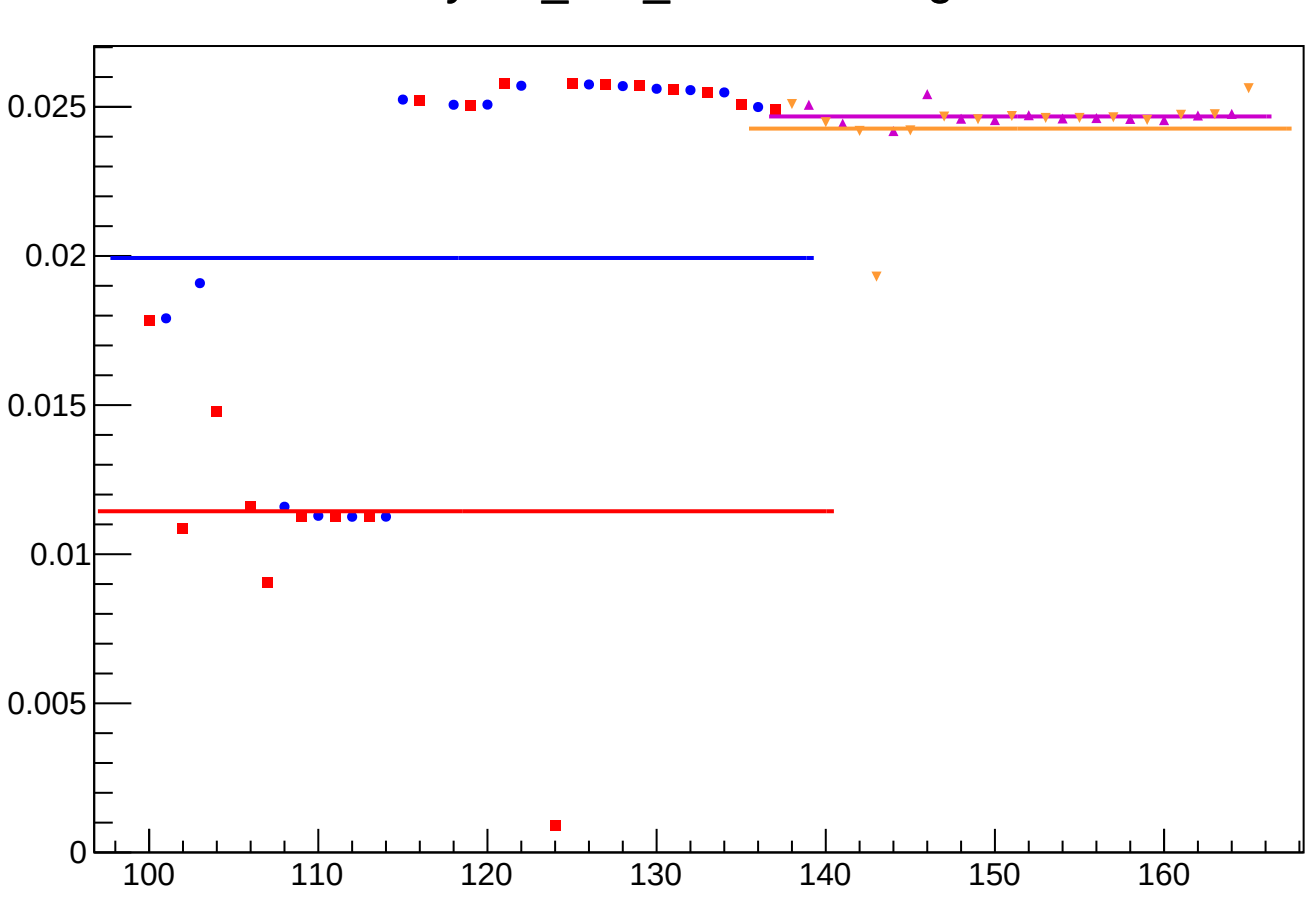
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26667.1/12

+ sign 0.056+/-0.000 χ^2/NDF: 47892.0/30

All: 0.057+/-0.000 χ^2/NDF: 175004.5/62

- sign 0.057+/-0.000 χ^2/NDF: 125456.1/31



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4975471196.5/14

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

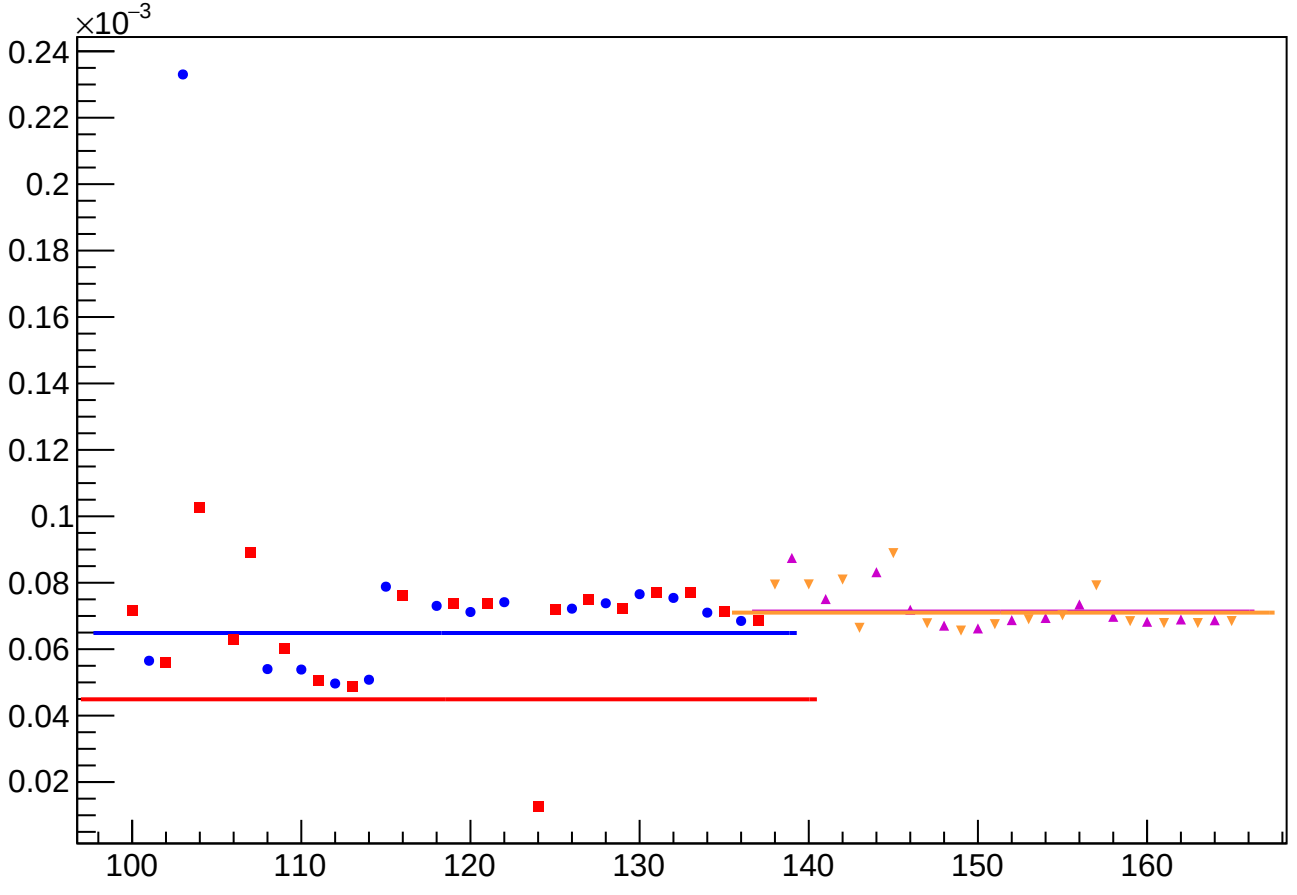
Left In: 0.025+/-0.000 χ^2/NDF:159928467.3/12

+ sign 0.023+/-0.000 χ^2/NDF: 84833163369.2/30

All: 0.020+/-0.000 χ^2/NDF: 593050725705.0

- sign 0.017+/-0.000 χ^2/NDF: 454746716156.4/31

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:167311.2/14

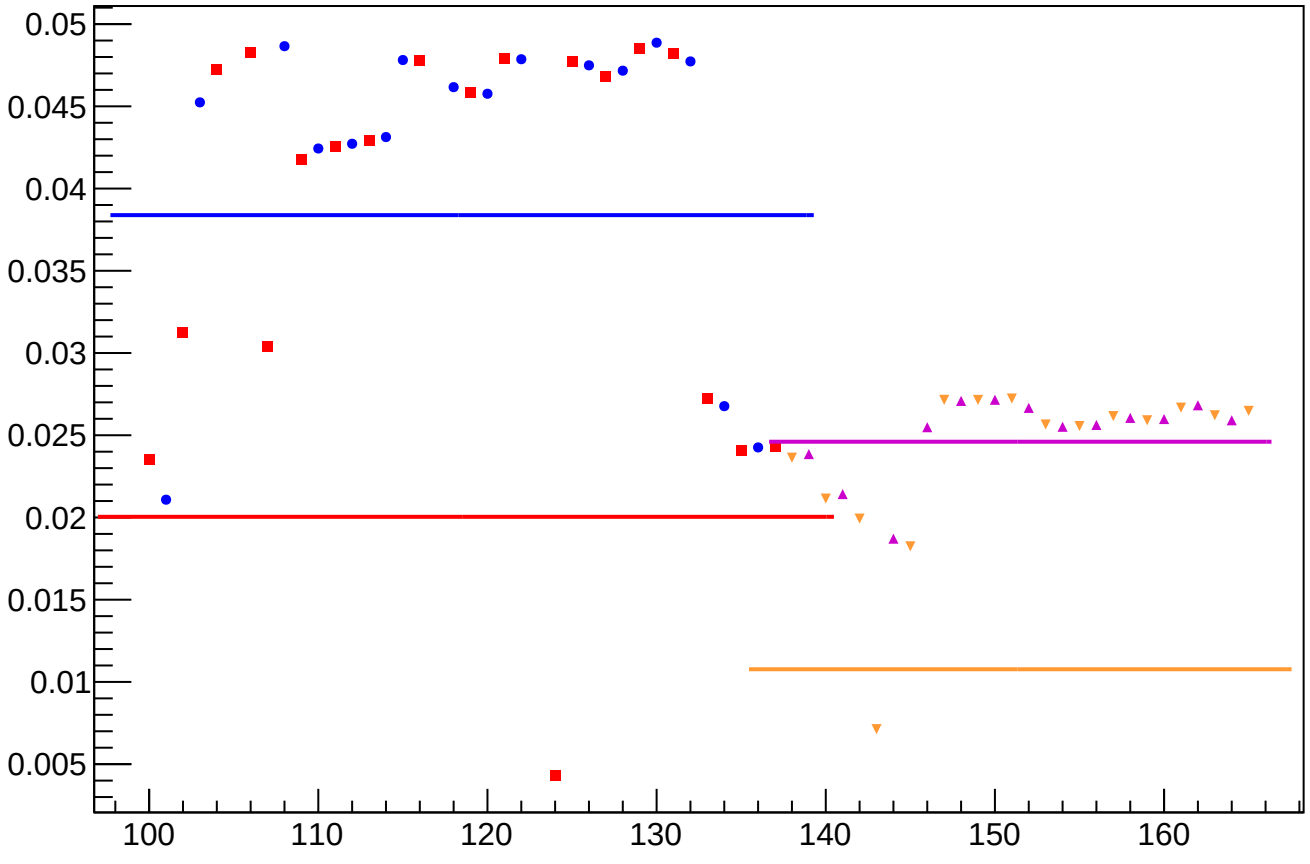
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:124454.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 1053743.9/30

All: 0.000+/-0.000 χ^2/NDF: 7111179.6/62

- sign 0.000+/-0.000 χ^2/NDF: 5493283.3/31



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:28712651067.7/14

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

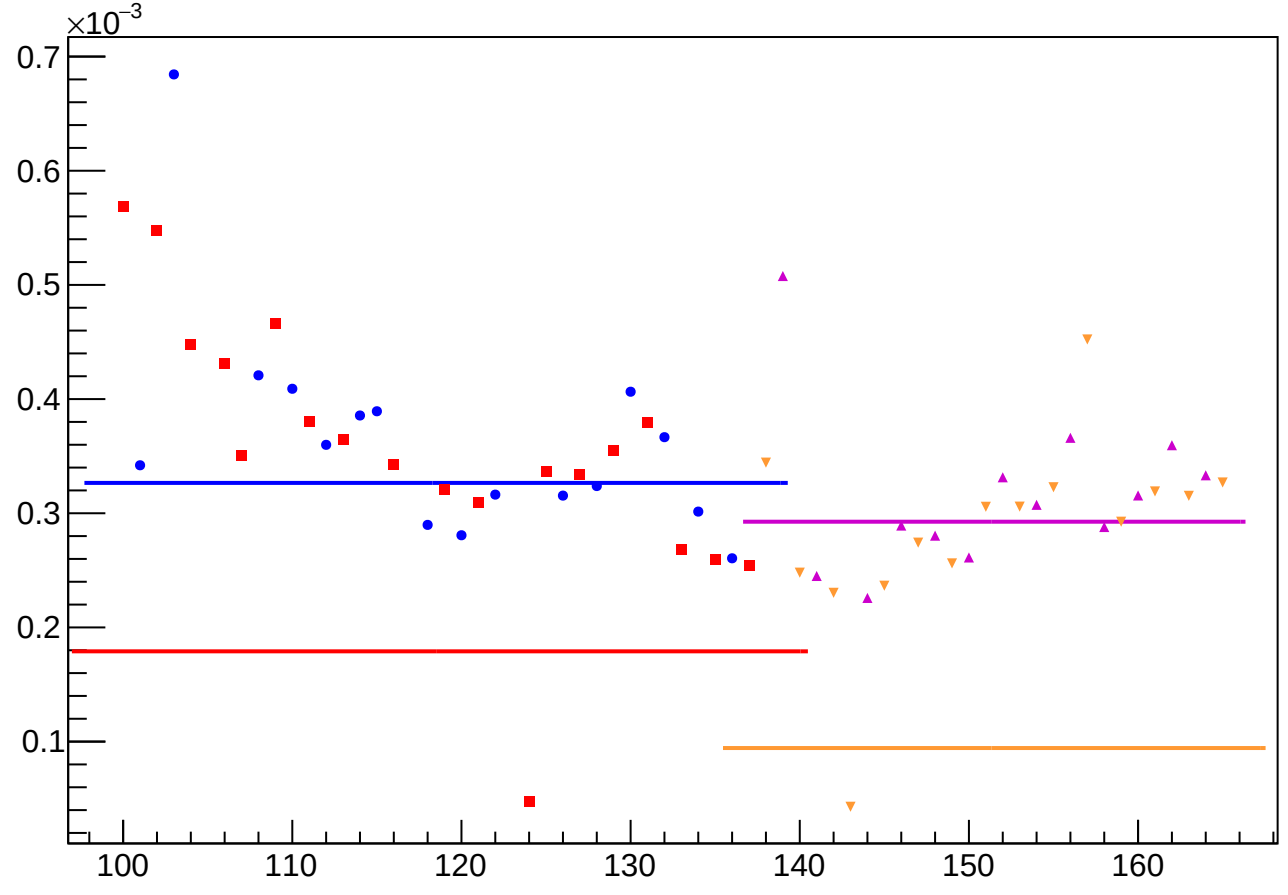
Left In: 0.025+/-0.000 χ^2/NDF:944901021.6/12

+ sign 0.013+/-0.000 χ^2/NDF: 76555597870.7/30

All: 0.016+/-0.000 χ^2/NDF: 133983426332.4

- sign 0.022+/-0.000 χ^2/NDF: 44352136513.4/31

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:11468532.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

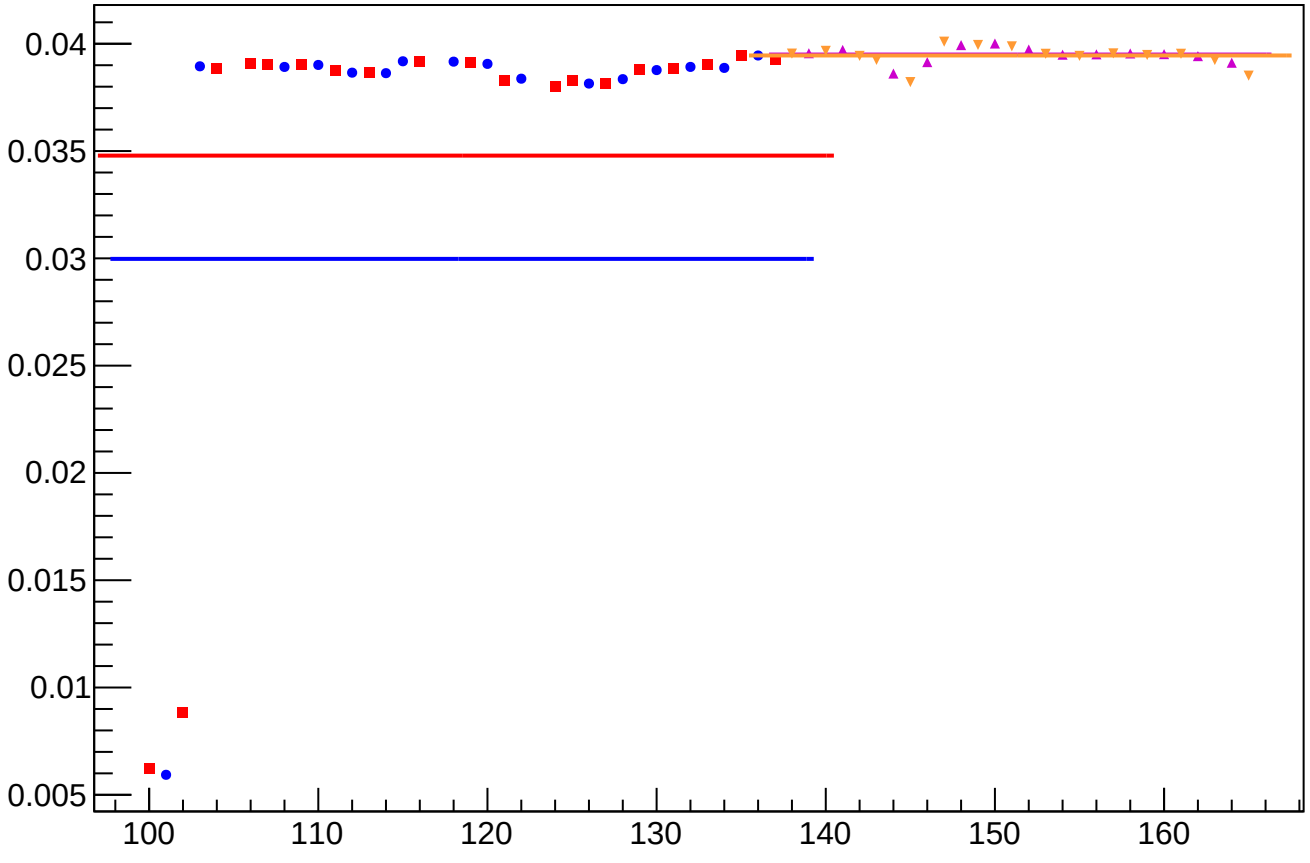
Left In: 0.000+/-0.000 χ^2/NDF:674013.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 17815851.9/30

All: 0.000+/-0.000 χ^2/NDF: 30279375.1/62

- sign 0.000+/-0.000 χ^2/NDF: 7846294.4/31

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:133771699.8/14

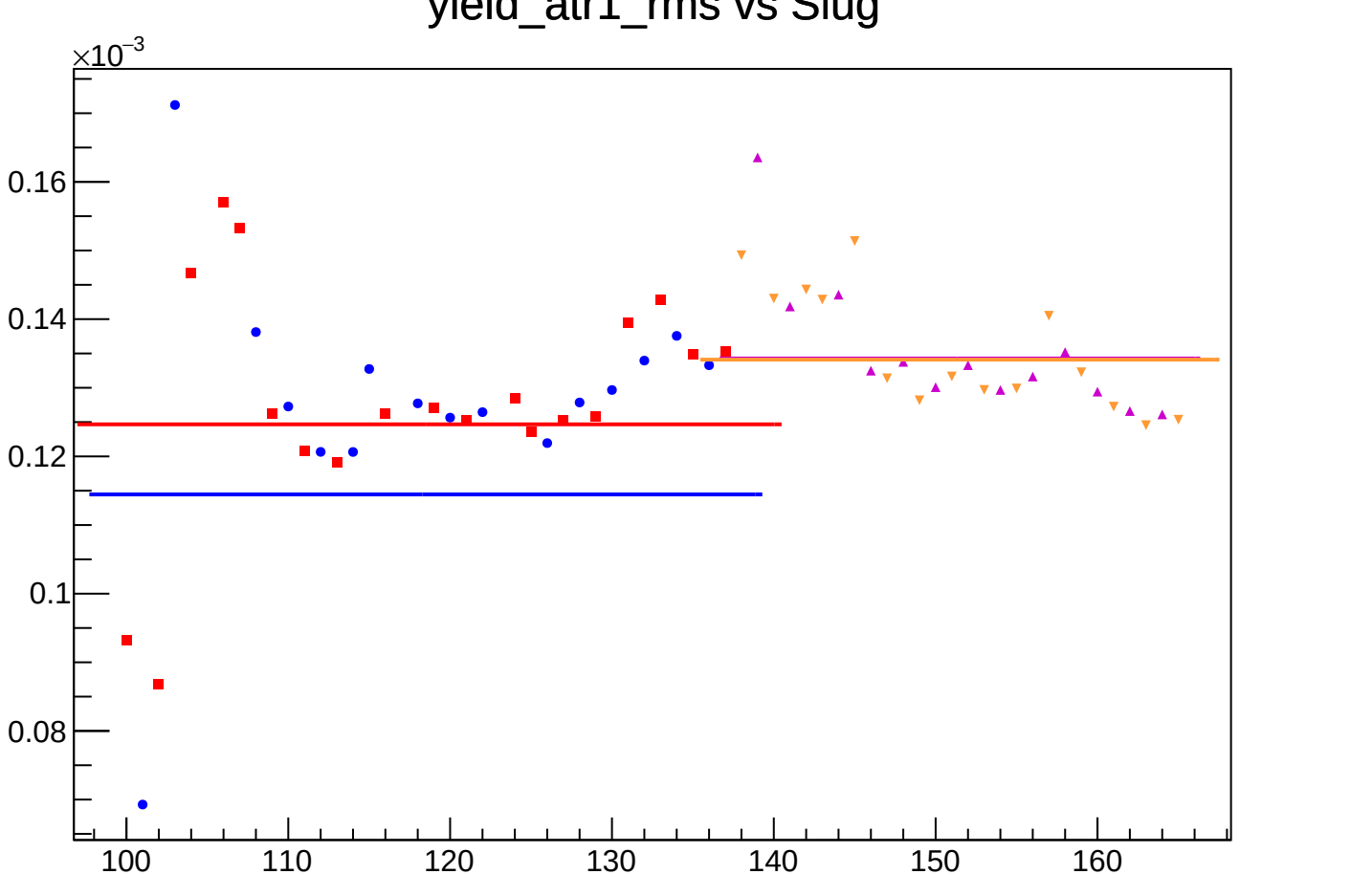
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:72237429.1/12

+ sign 0.035+/-0.000 χ^2/NDF: 133781456963.7/30

All: 0.036+/-0.000 χ^2/NDF: 189434772547.8

- sign 0.037+/-0.000 χ^2/NDF: 52972716480.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:84526.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

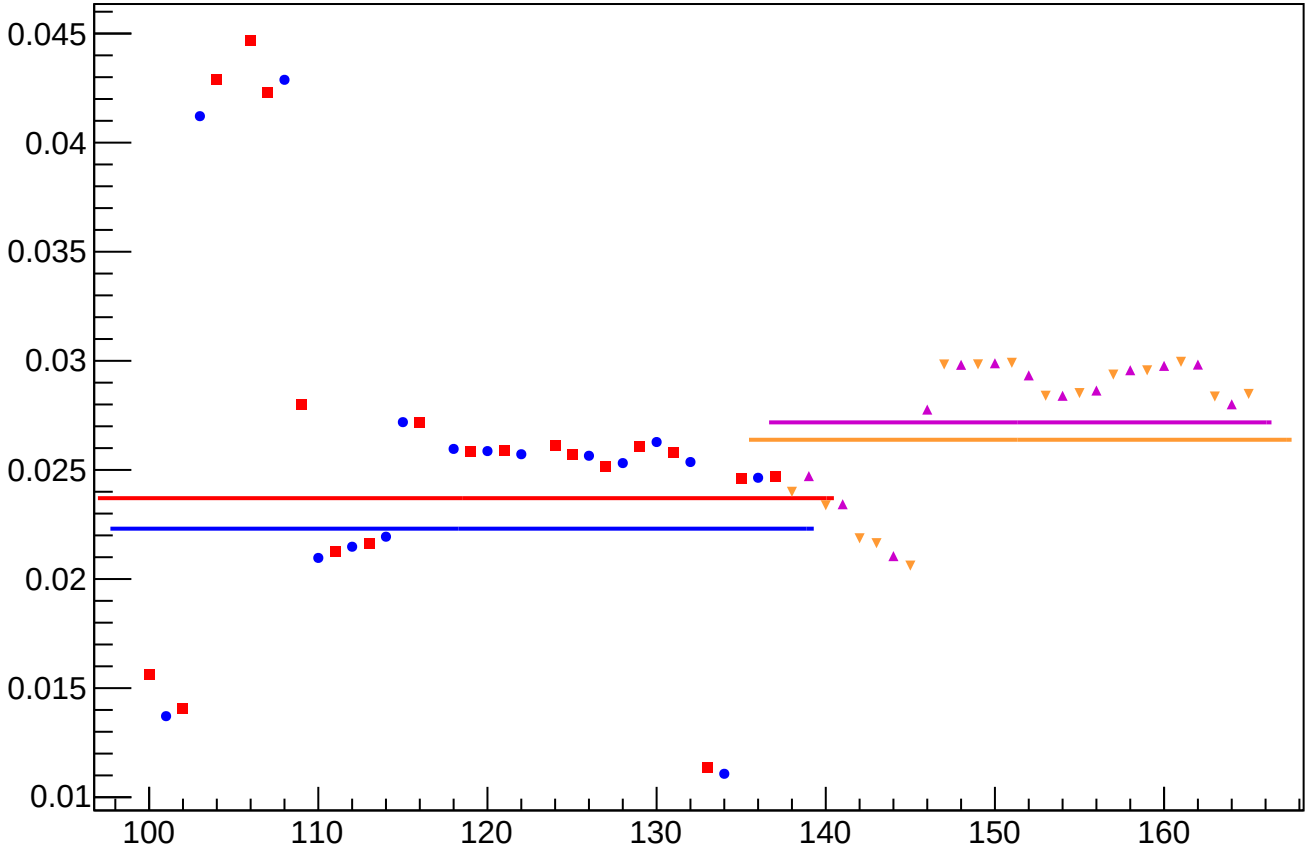
Left In: 0.000+/-0.000 χ^2/NDF:83230.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 1155467.4/30

All: 0.000+/-0.000 χ^2/NDF: 1570391.1/62

- sign 0.000+/-0.000 χ^2/NDF: 390394.7/31

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1799177455.5/14

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

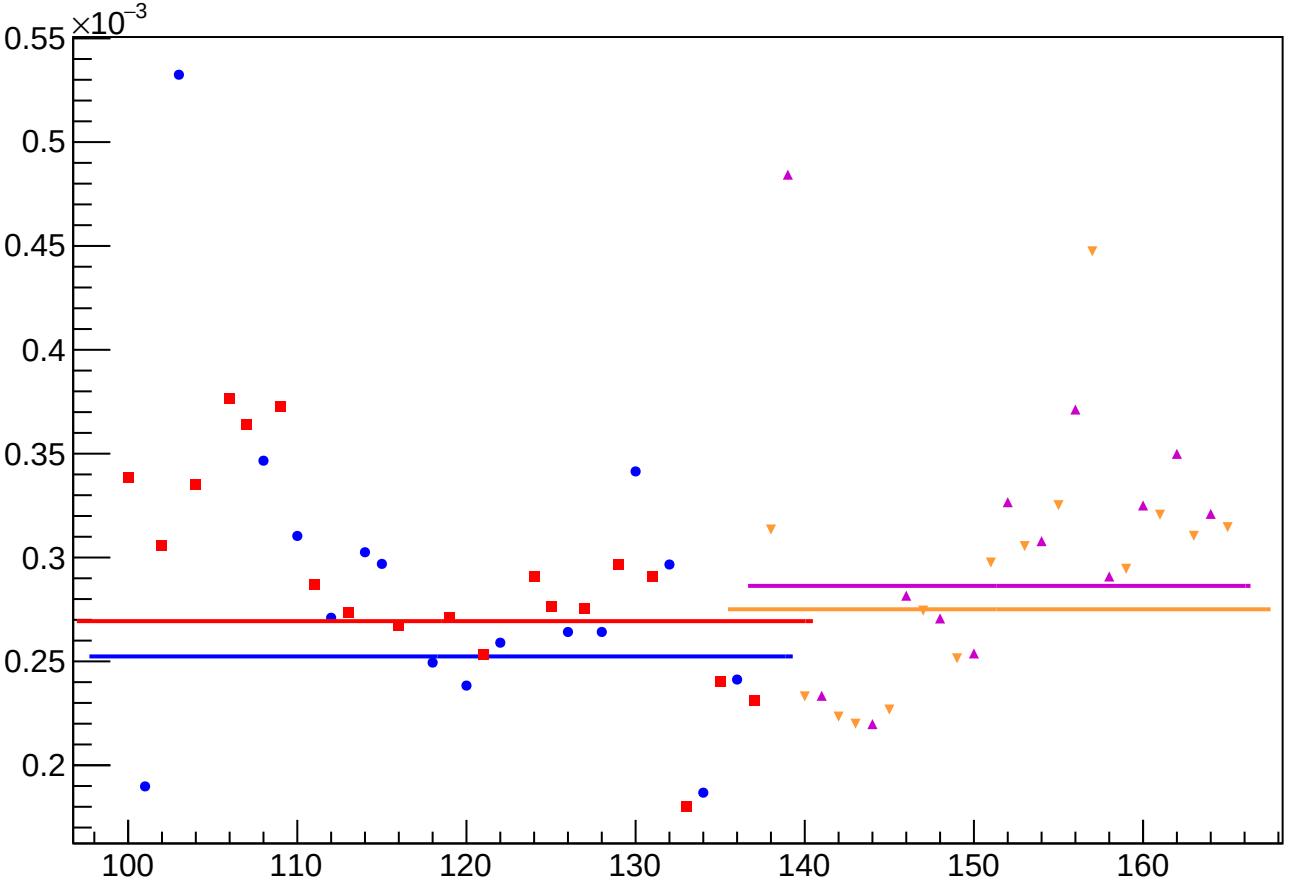
Left In: 0.027+/-0.000 χ^2/NDF:1241563777.5/12

+ sign 0.025+/-0.000 χ^2/NDF: 7756315657.3/30

All: 0.025+/-0.000 χ^2/NDF: 15307202772.0/6

- sign 0.026+/-0.000 χ^2/NDF: 7437148686.6/31

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:598560.6/14

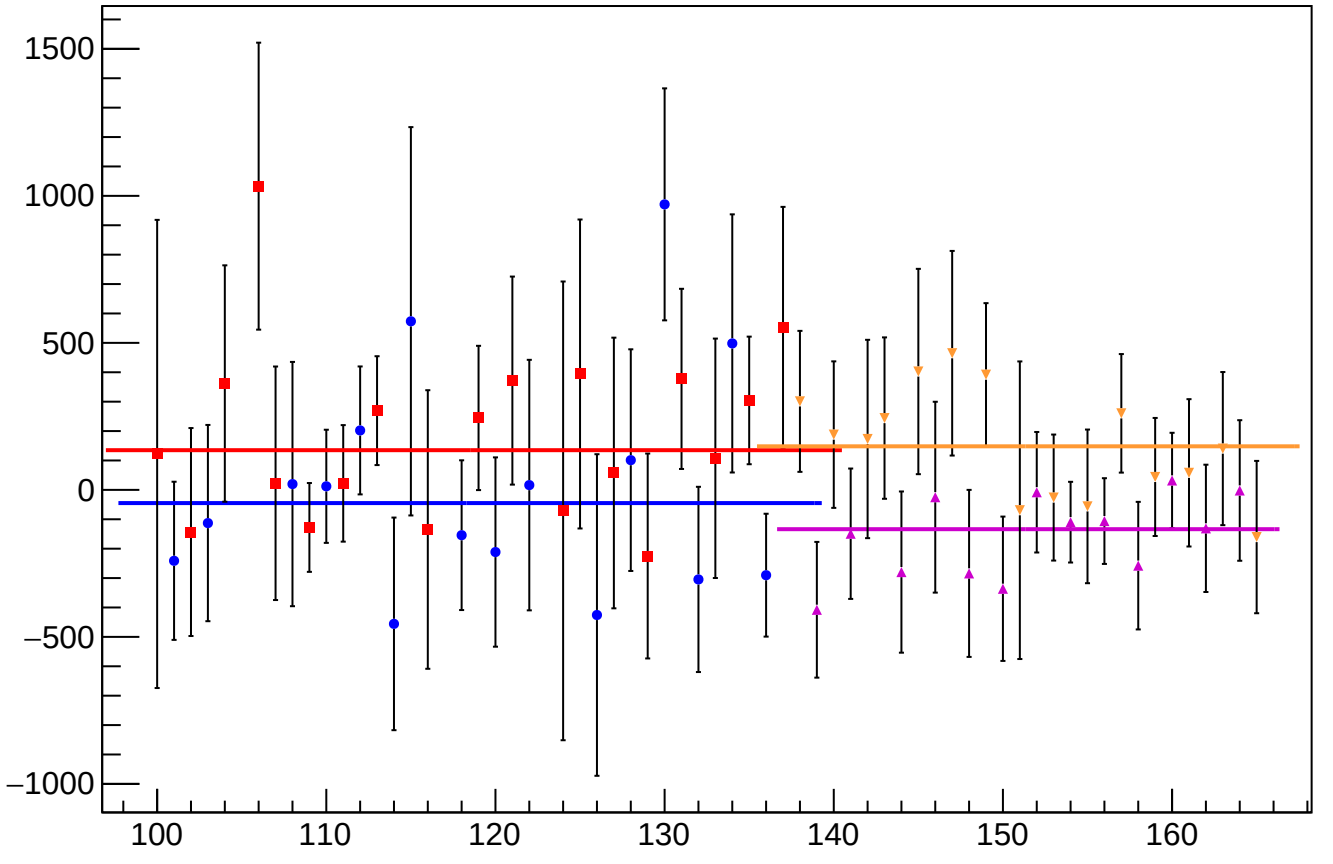
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:726822.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 1365042.3/30

All: 0.000+/-0.000 χ^2/NDF: 2607668.4/62

- sign 0.000+/-0.000 χ^2/NDF: 1202496.3/31



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 148.147+/-66.780 χ^2/NDF:6.5/14

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

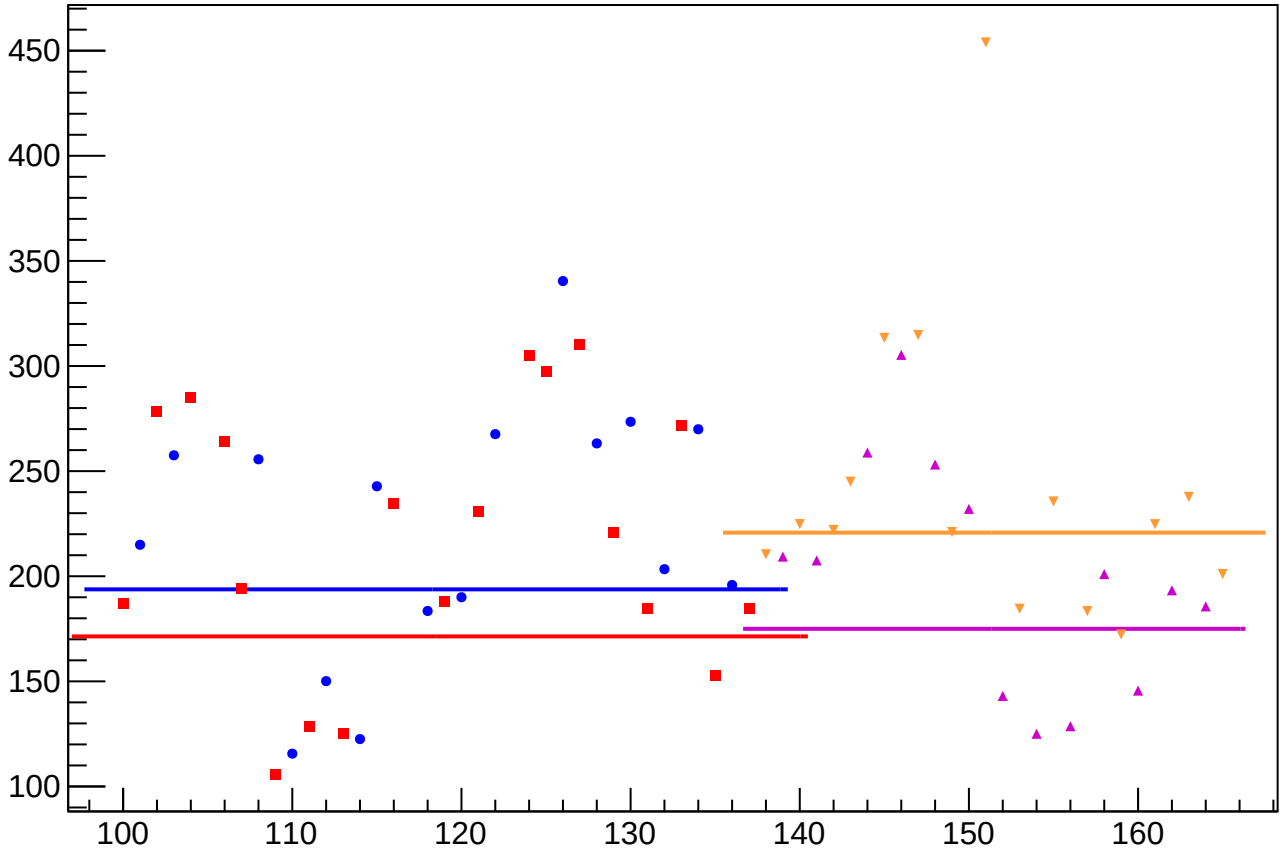
Left In: -133.698+/-56.524 χ^2/NDF:4.9/12

+ sign 64.278+/-50.222 χ^2/NDF: 25.6/30

All: 13.810+/-32.874 χ^2/NDF: 54.4/62

- sign -24.024+/-43.484 χ^2/NDF: 27.0/31

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 220.749+/-0.047 χ^2/NDF:1000383.6/14

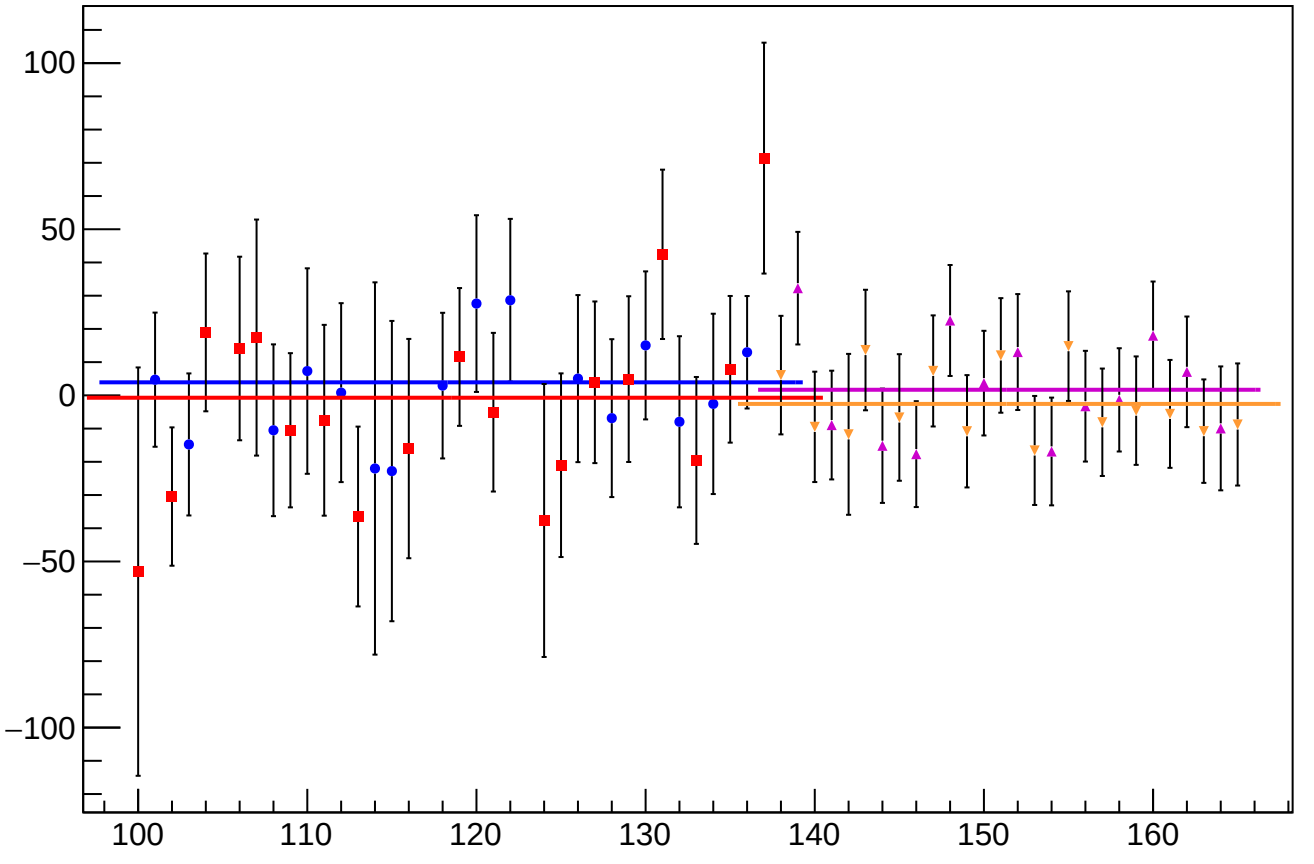
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 174.992+/-0.040 χ^2/NDF:1484400.4/12

+ sign 209.028+/-0.036 χ^2/NDF: 2190307.7/30

All: 188.733+/-0.023 χ^2/NDF: 5907573.0/62

- sign 173.518+/-0.031 χ^2/NDF: 3145809.4/31



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.574+/-4.448 χ^2/NDF:5.1/14

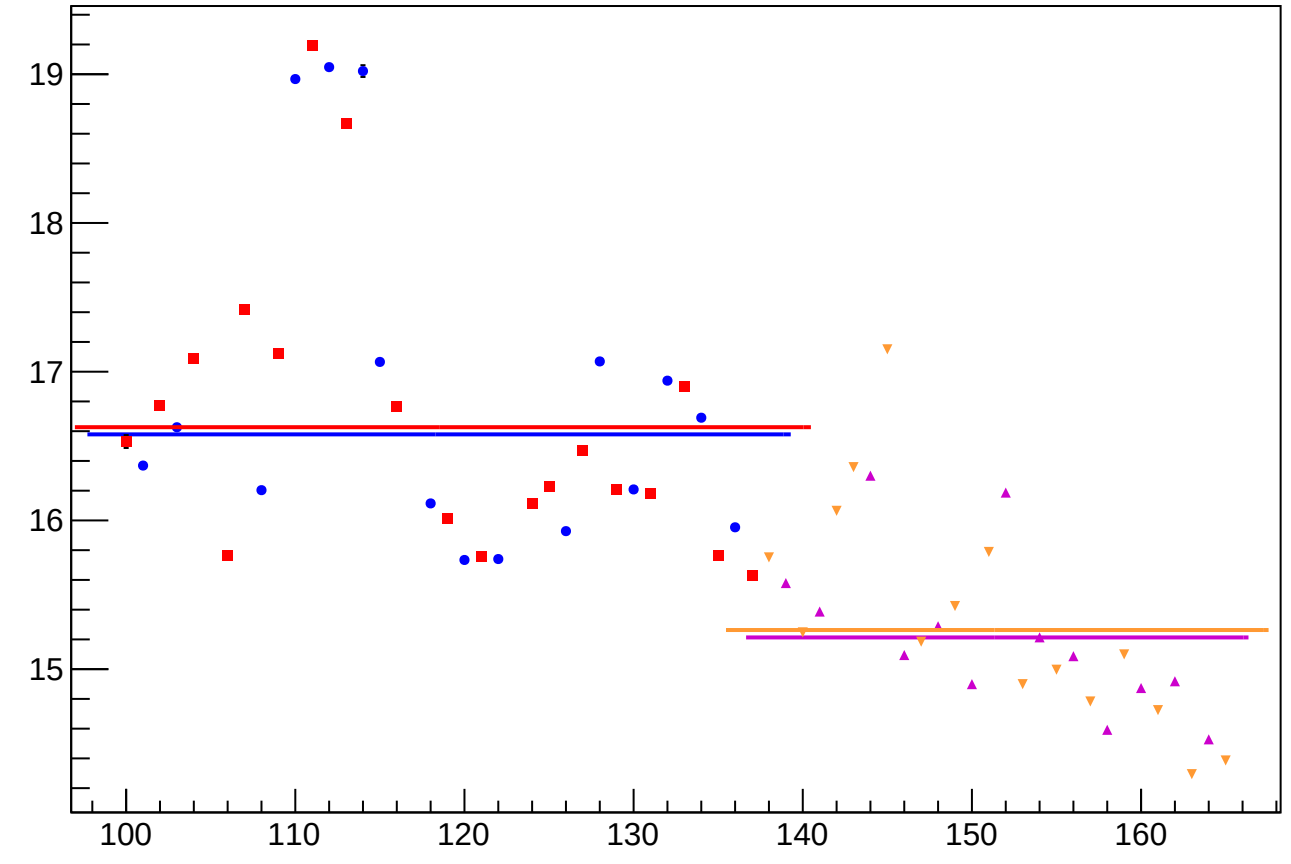
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 1.686+/-4.602 χ^2/NDF:11.0/12

+ sign -0.353+/-3.608 χ^2/NDF: 10.3/30

All: 0.220+/-2.572 χ^2/NDF: 37.4/62

- sign 0.812+/-3.668 χ^2/NDF: 27.0/31



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.263+/-0.003 χ^2/NDF:50664.8/14

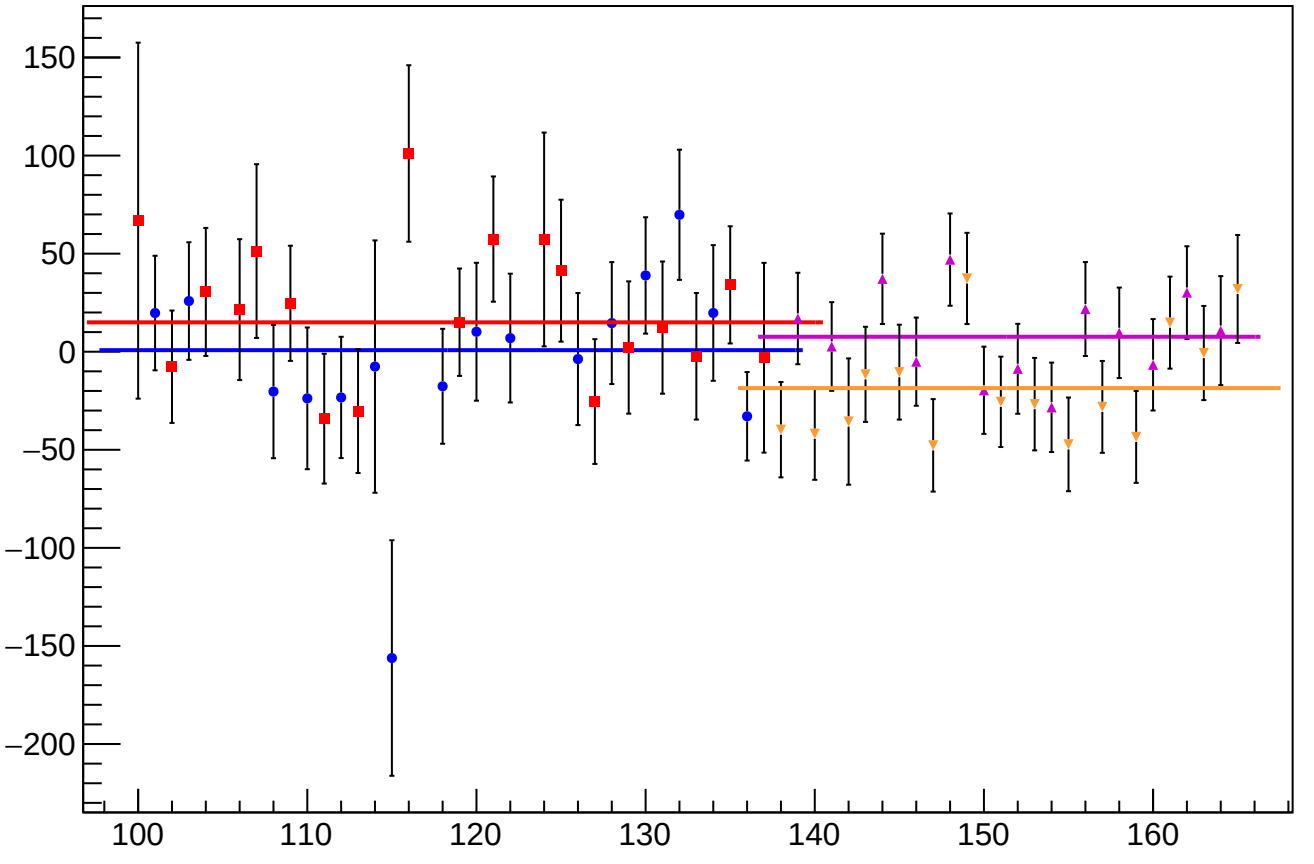
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.213+/-0.003 χ^2/NDF:23827.4/12

\+ sign 15.713+/-0.003 χ^2/NDF: 155041.9/30

All: 15.721+/-0.002 χ^2/NDF: 291135.6/62

\- sign 15.728+/-0.003 χ^2/NDF: 136075.3/31



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -18.555+/-6.265 χ^2/NDF:18.4/14

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

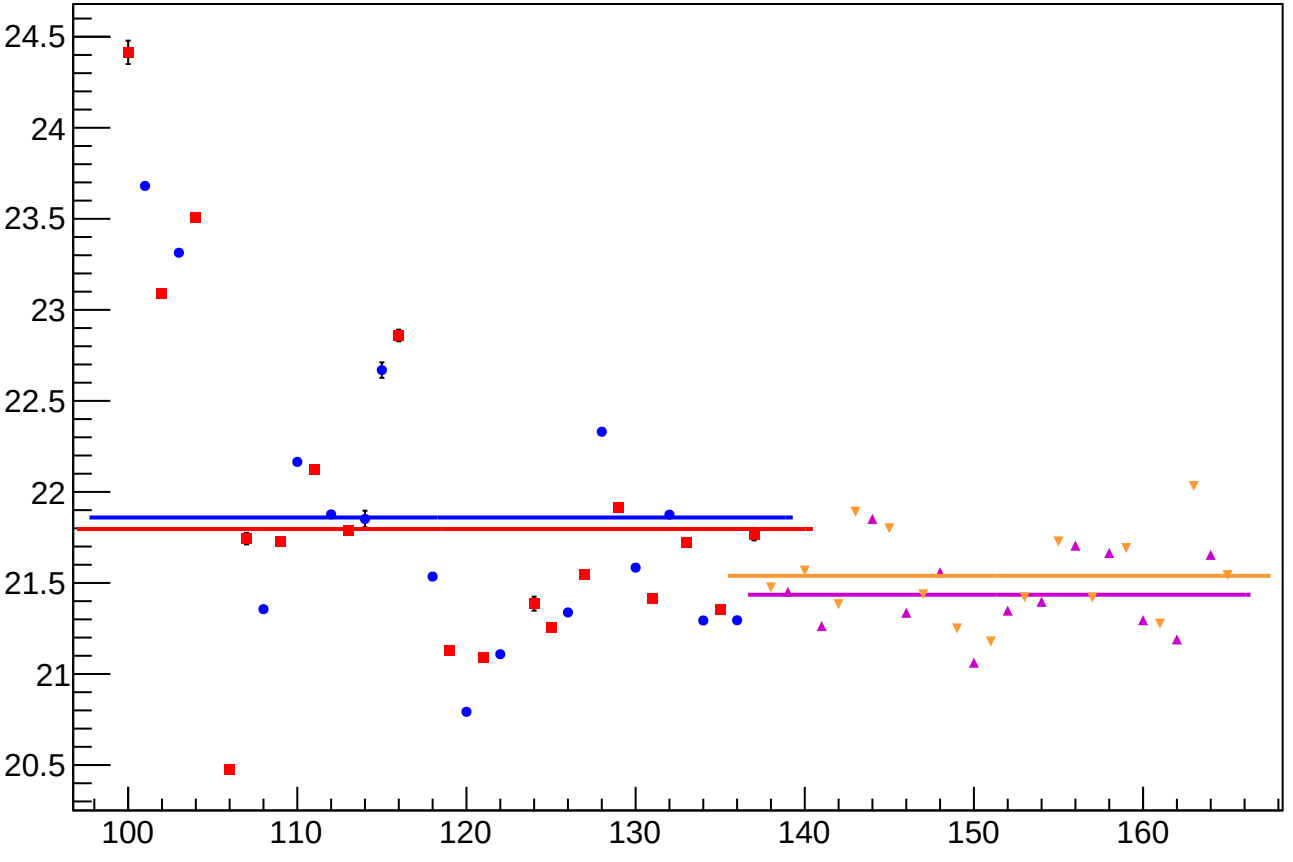
Left In: 7.627+/-6.473 χ^2/NDF:11.1/12

+ sign -11.343+/-4.961 χ^2/NDF: 40.6/30

All: -0.523+/-3.529 χ^2/NDF: 77.3/62

- sign 10.557+/-5.020 χ^2/NDF: 27.0/31

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: 21.539+/-0.004 χ^2/NDF:2957.9/14

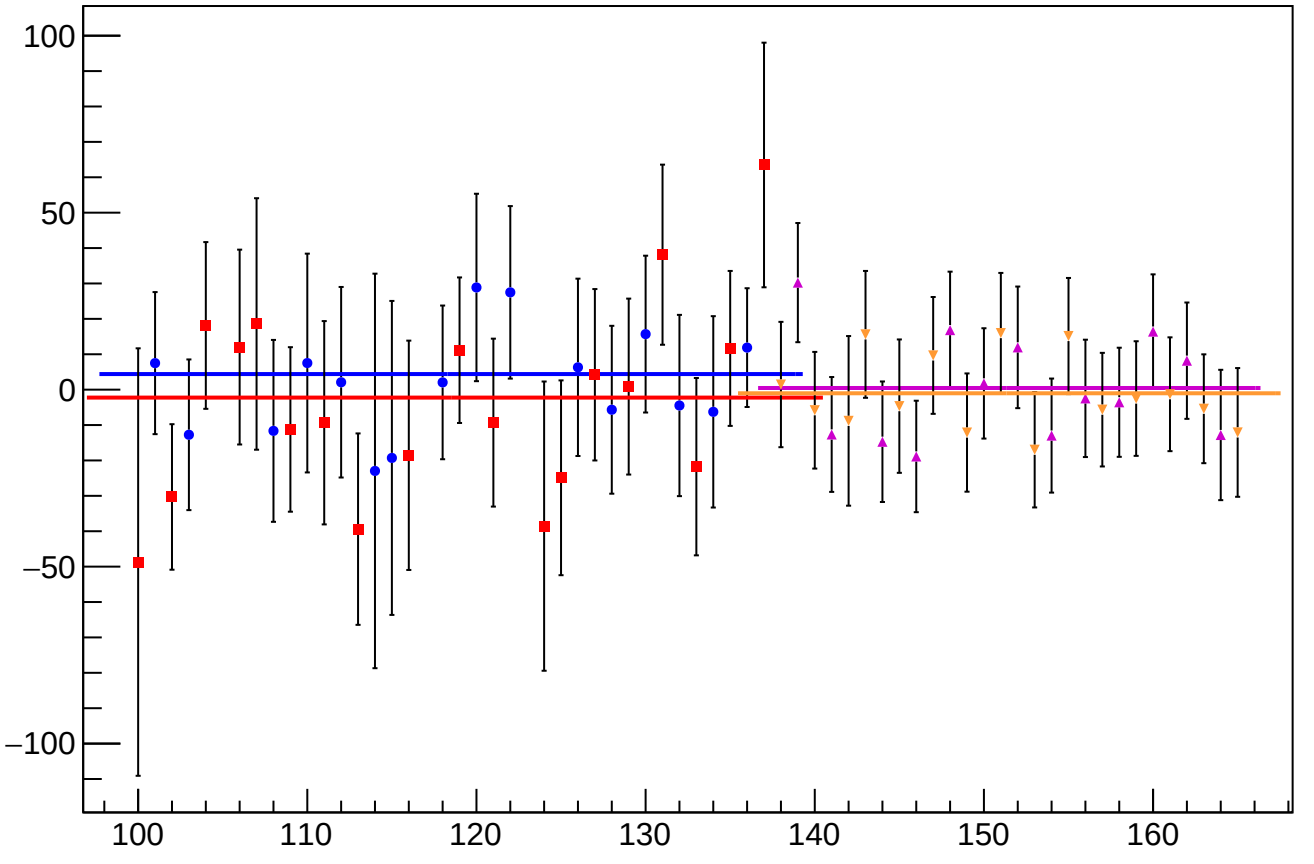
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.435+/-0.005 χ^2/NDF:2325.4/12

+ sign 21.659+/-0.004 χ^2/NDF: 24377.1/30

All: 21.619+/-0.002 χ^2/NDF: 48295.1/62

- sign 21.579+/-0.004 χ^2/NDF: 23664.4/31



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -1.025+/-4.404 χ^2/NDF:5.4/14

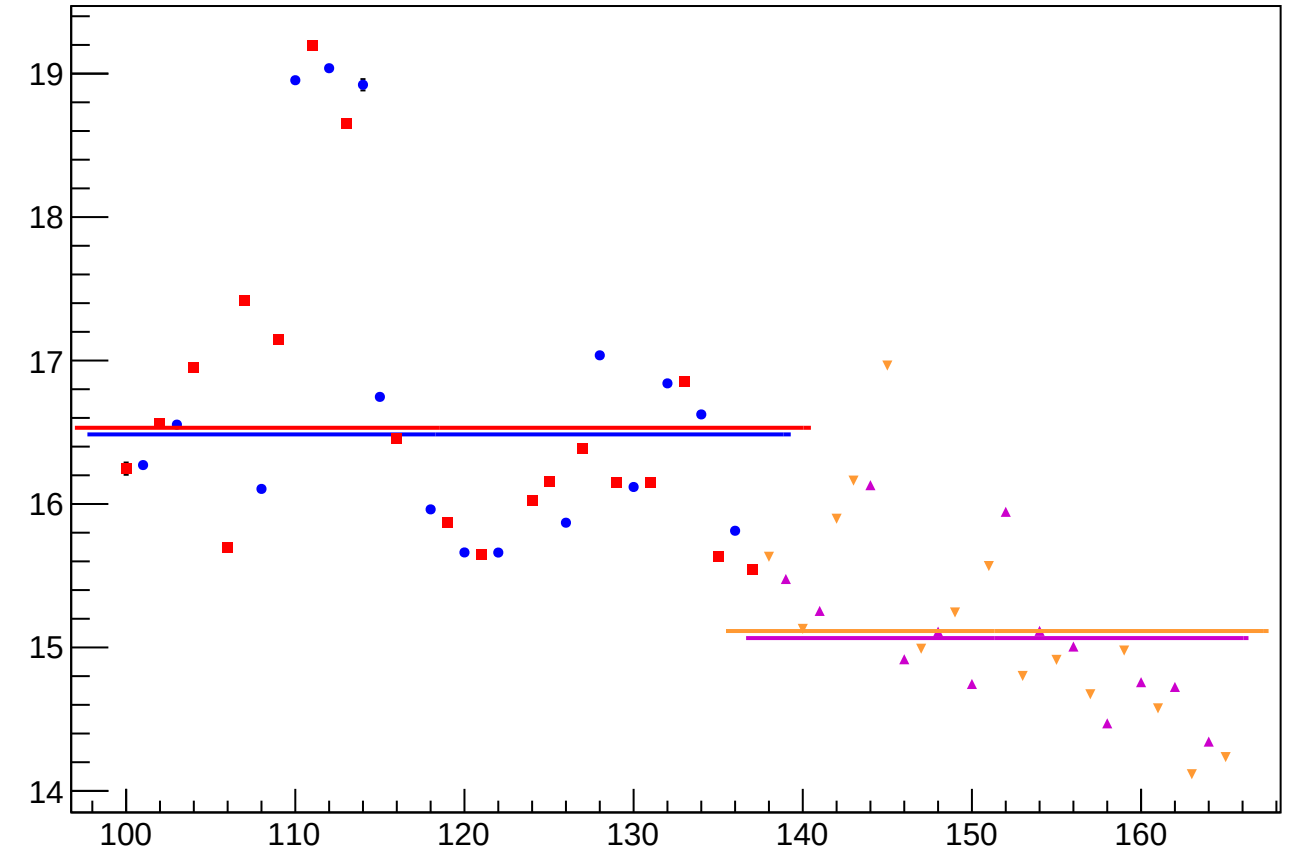
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.469+/-4.557 χ^2/NDF:10.0/12

+ sign 0.821+/-3.578 χ^2/NDF: 10.3/30

All: 0.164+/-2.551 χ^2/NDF: 35.9/62

- sign -0.514+/-3.638 χ^2/NDF: 25.5/31



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.115+/-0.003 χ^2/NDF:49666.8/14

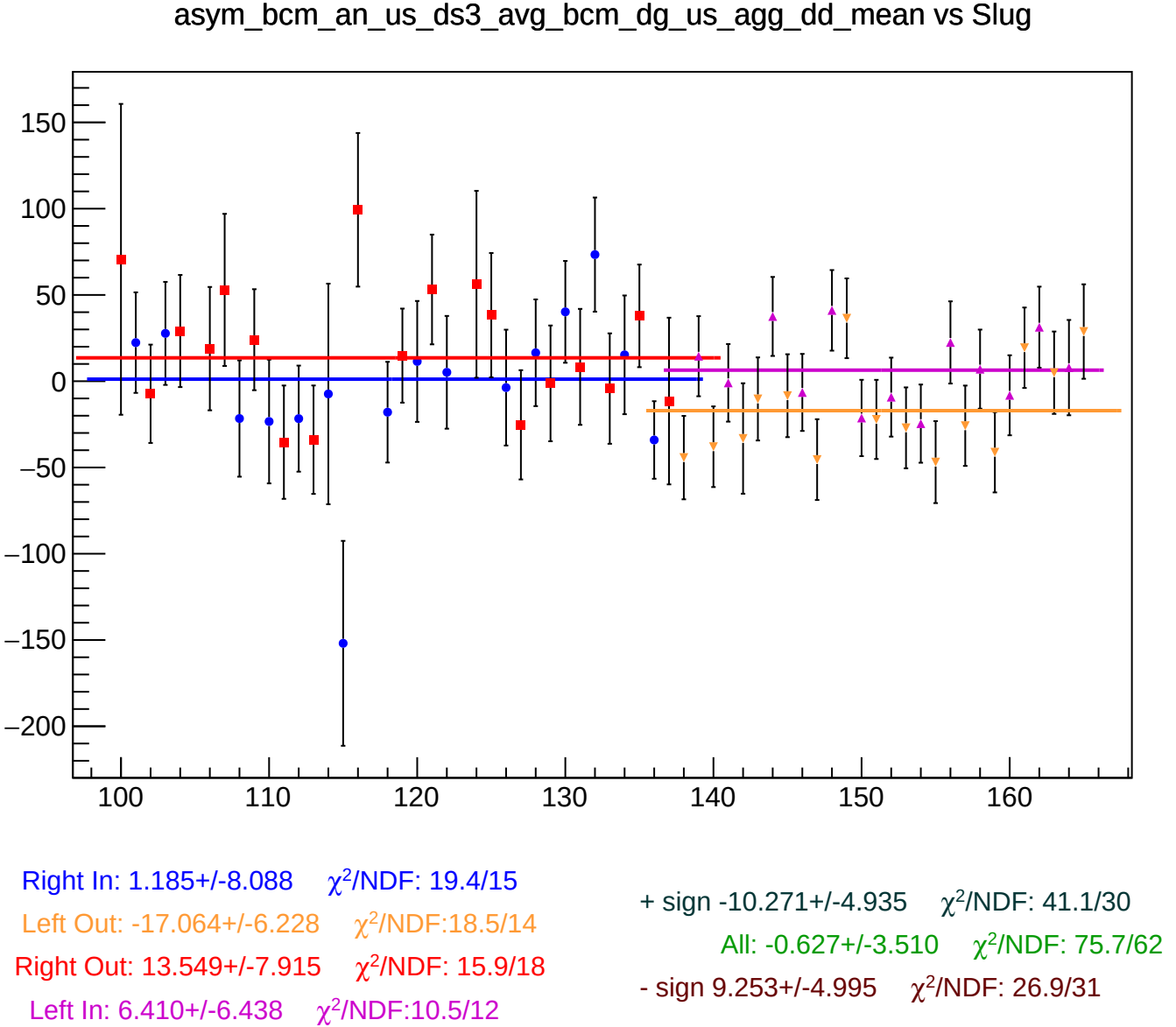
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

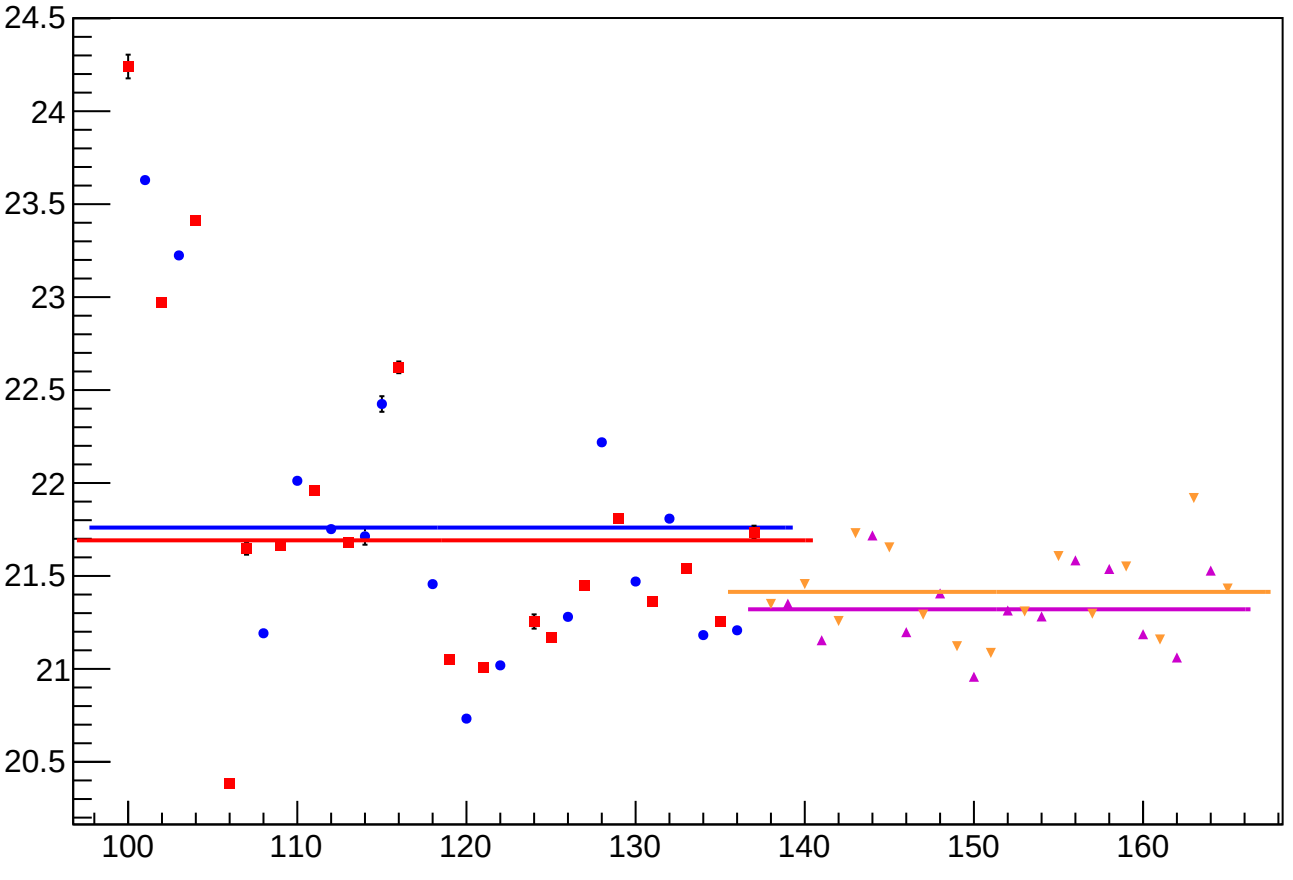
Left In: 15.065+/-0.003 χ^2/NDF:23262.2/12

+ sign 15.580+/-0.003 χ^2/NDF: 162692.2/30

All: 15.588+/-0.002 χ^2/NDF: 307495.2/62

- sign 15.597+/-0.003 χ^2/NDF: 144782.5/31


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -17.064+/-6.228 χ²/NDF:18.5/14
Right Out: 13.549+/-7.915 χ²/NDF: 15.9/18
Left In: 6.410+/-6.438 χ²/NDF:10.5/12
+ sign -10.271+/-4.935 χ²/NDF: 41.1/30
All: -0.627+/-3.510 χ²/NDF: 75.7/62
- sign 9.253+/-4.995 χ²/NDF: 26.9/31



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.414+/-0.004 χ^2/NDF:2823.5/14

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

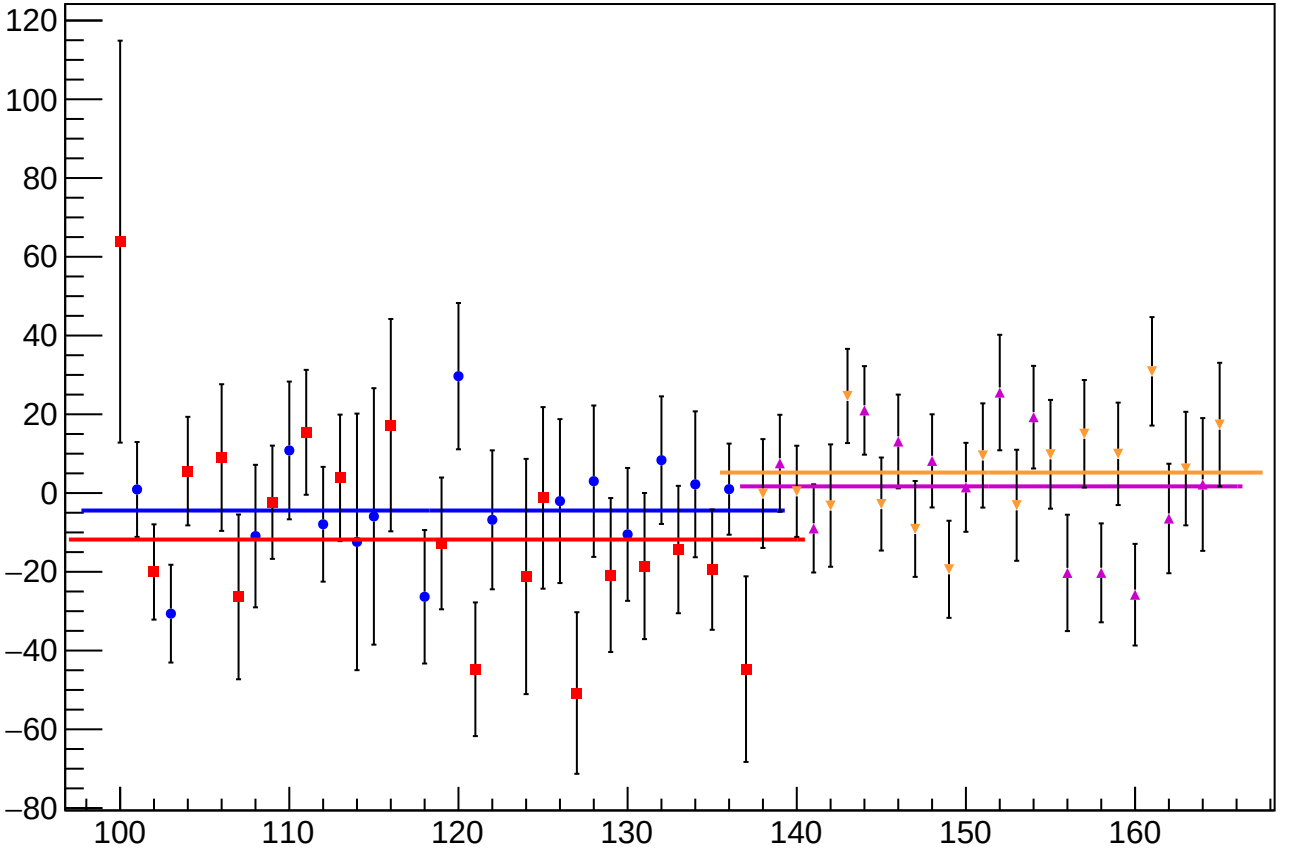
Left In: 21.321+/-0.005 χ^2/NDF:2193.6/12

+ sign 21.543+/-0.003 χ^2/NDF: 24866.1/30

All: 21.506+/-0.002 χ^2/NDF: 48261.0/62

- sign 21.468+/-0.004 χ^2/NDF: 23168.0/31

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: 5.208+/-3.416 χ^2/NDF:14.4/14

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

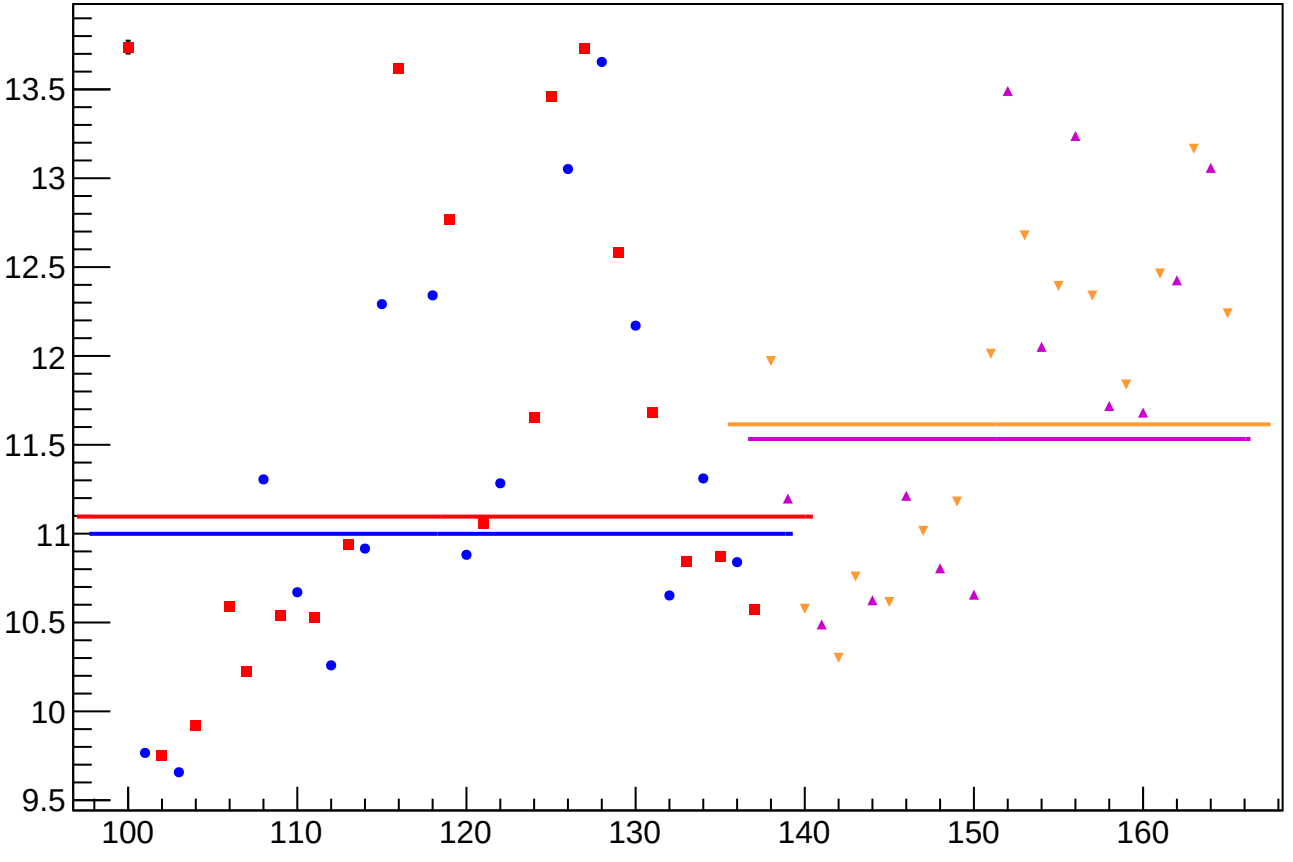
Left In: 1.694+/-3.521 χ^2/NDF:19.9/12

+ sign 1.290+/-2.632 χ^2/NDF: 29.6/30

All: -1.337+/-1.875 χ^2/NDF: 79.5/62

- sign -4.040+/-2.670 χ^2/NDF: 47.9/31

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.615+/-0.002 χ^2/NDF:123274.0/14

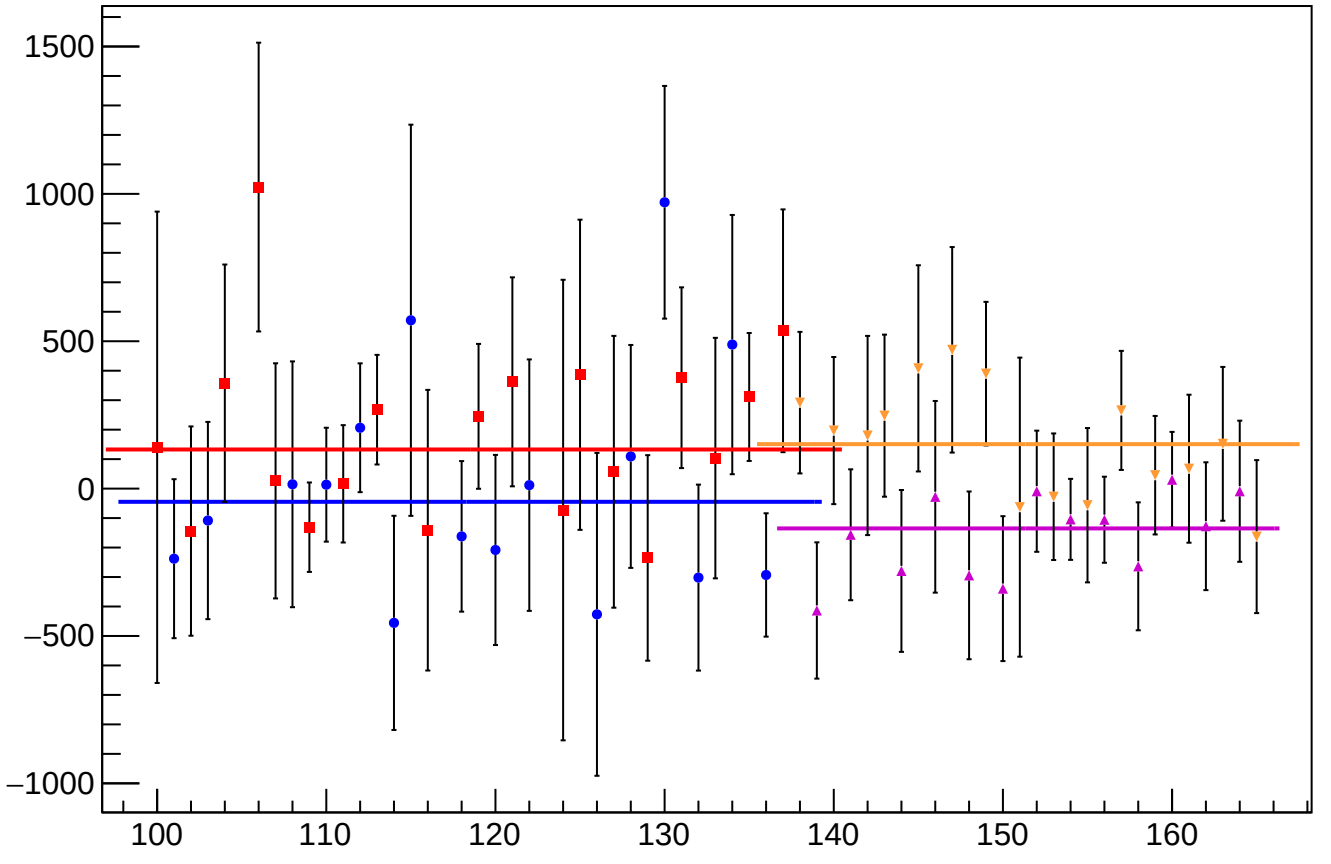
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.533+/-0.002 χ^2/NDF:143719.9/12

+ sign 11.365+/-0.002 χ^2/NDF: 285850.9/30

All: 11.356+/-0.001 χ^2/NDF: 605599.1/62

- sign 11.347+/-0.002 χ^2/NDF: 319703.8/31



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 150.815+/-66.900 χ^2/NDF:6.5/14

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

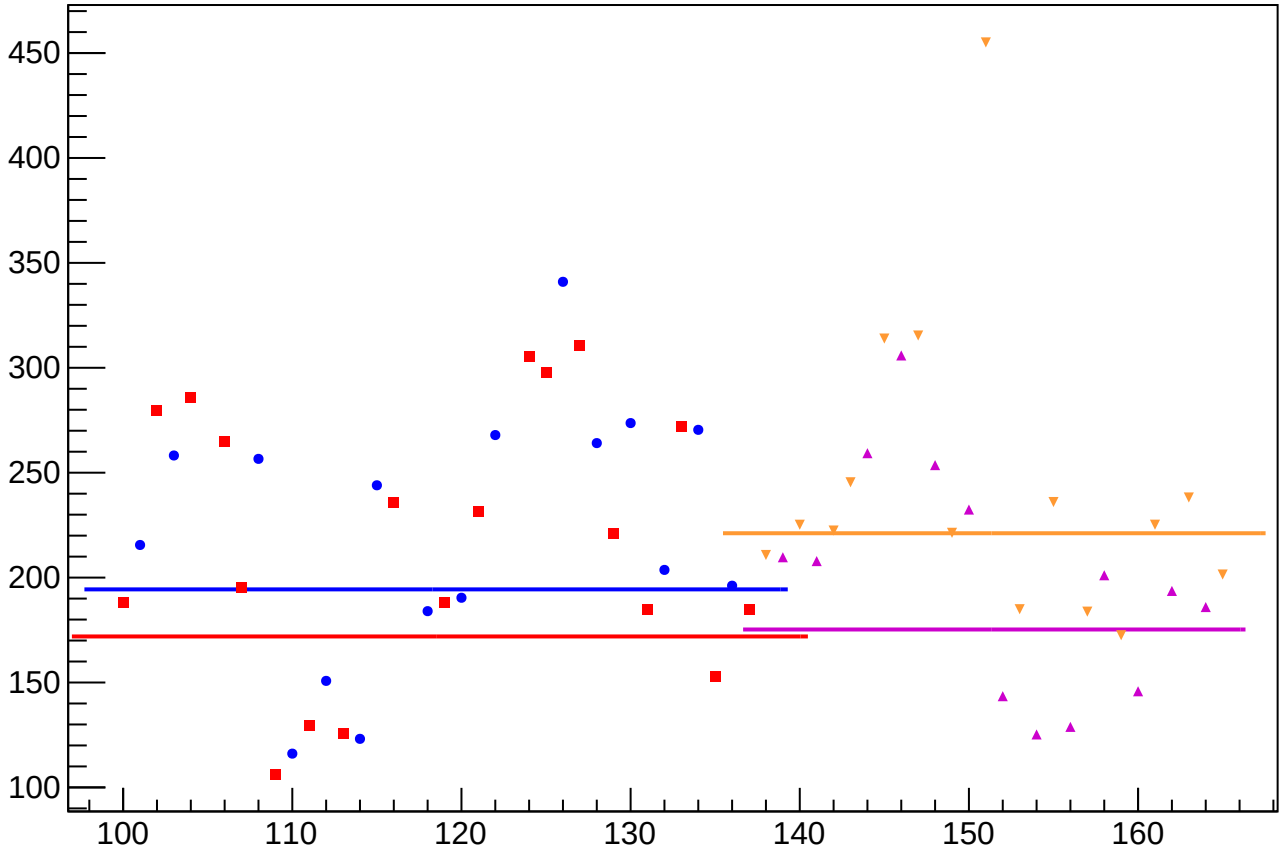
Left In: -135.082+/-56.613 χ^2/NDF:5.0/12

+ sign 65.949+/-50.338 χ^2/NDF: 25.7/30

All: 13.416+/-32.947 χ^2/NDF: 54.5/62

- sign -25.957+/-43.579 χ^2/NDF: 26.9/31

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 221.143+/-0.047 χ^2/NDF:1001102.8/14

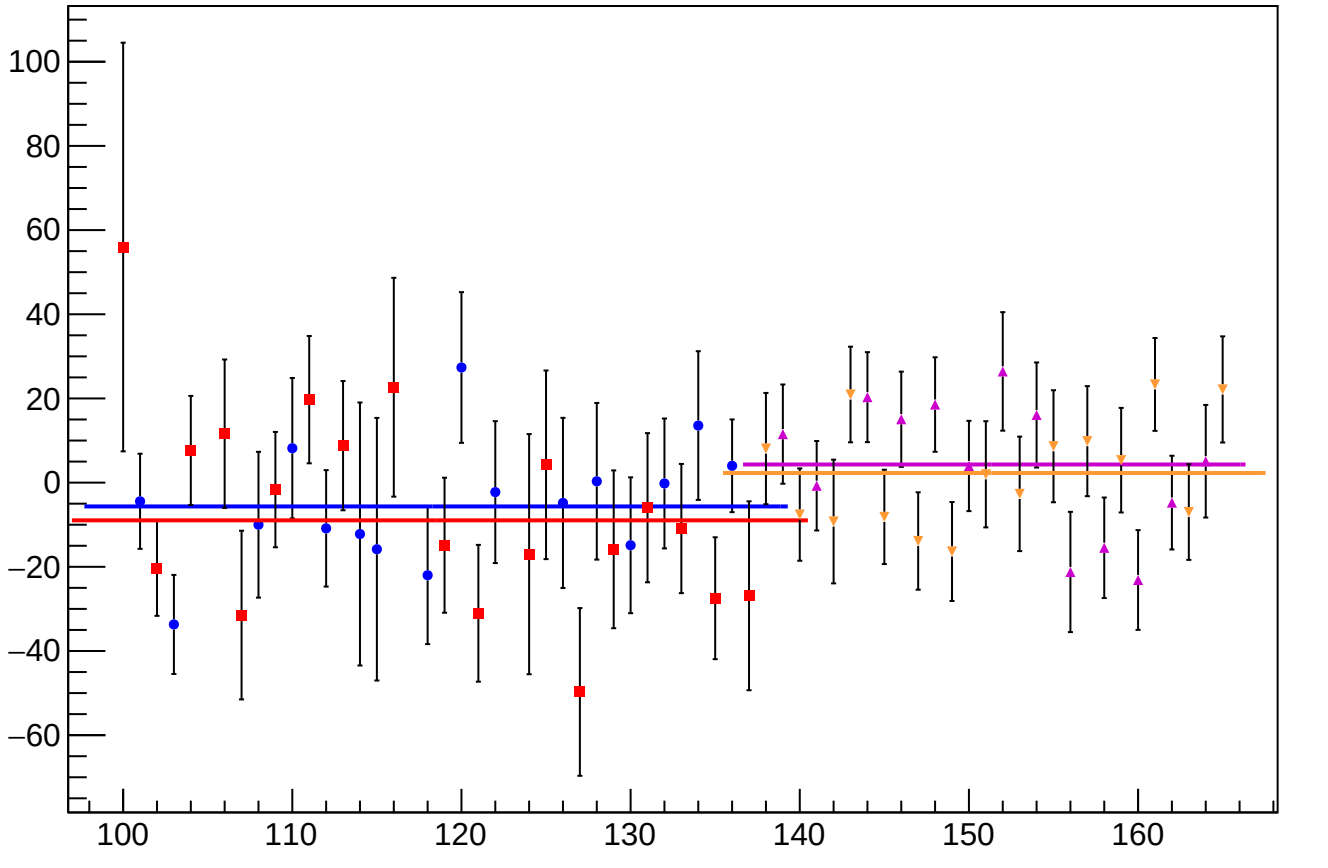
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 175.267+/-0.040 χ^2/NDF:1484496.3/12

+ sign 209.534+/-0.036 χ^2/NDF: 2181929.3/30

All: 189.174+/-0.023 χ^2/NDF: 5892953.0/62

- sign 173.915+/-0.031 χ^2/NDF: 3138640.0/31



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.295+/-3.147 χ^2/NDF:17.2/14

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

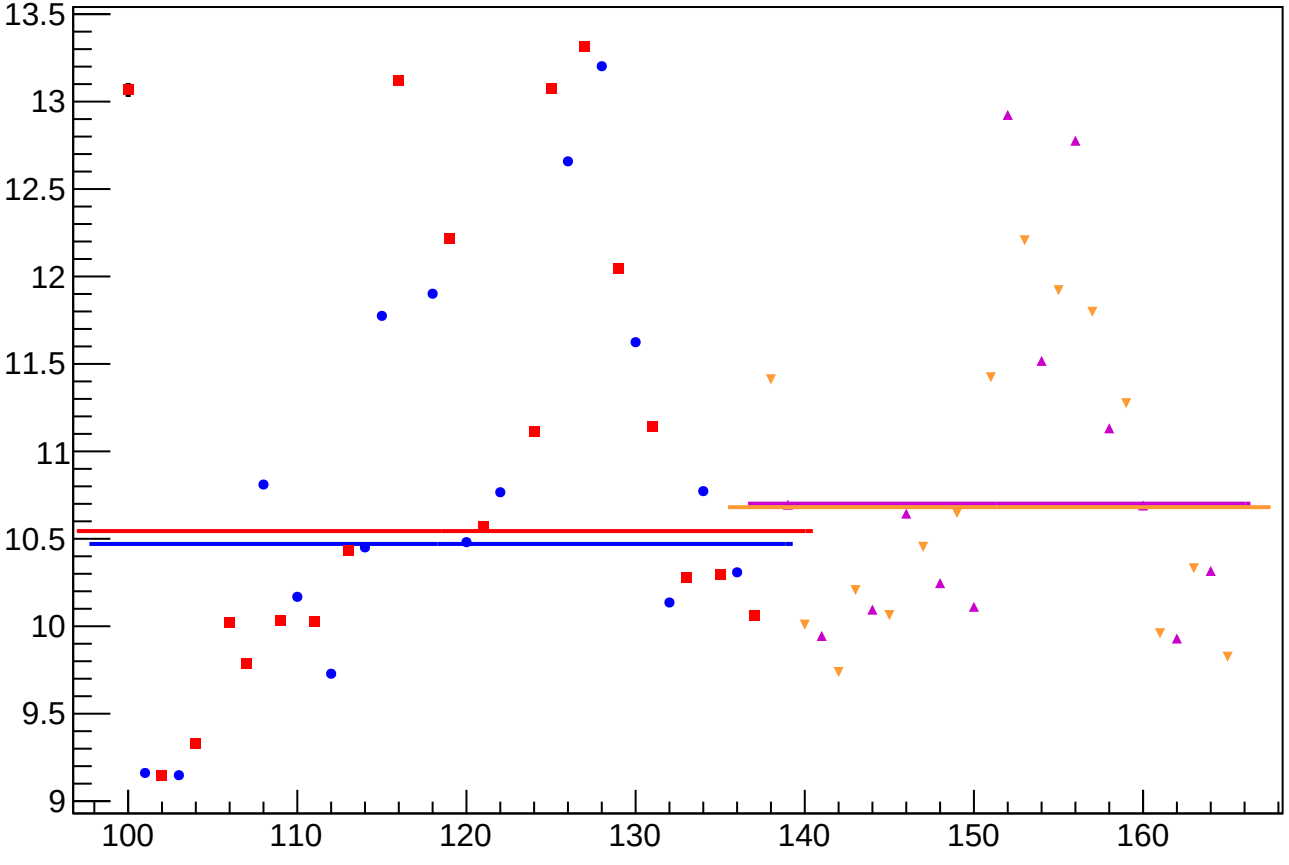
Left In: 4.312+/-3.272 χ^2/NDF:20.7/12

+ sign -0.803+/-2.459 χ^2/NDF: 33.4/30

All: -0.983+/-1.755 χ^2/NDF: 83.6/62

- sign -1.169+/-2.507 χ^2/NDF: 50.3/31

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: 10.681+/-0.002 χ^2/NDF:120492.5/14

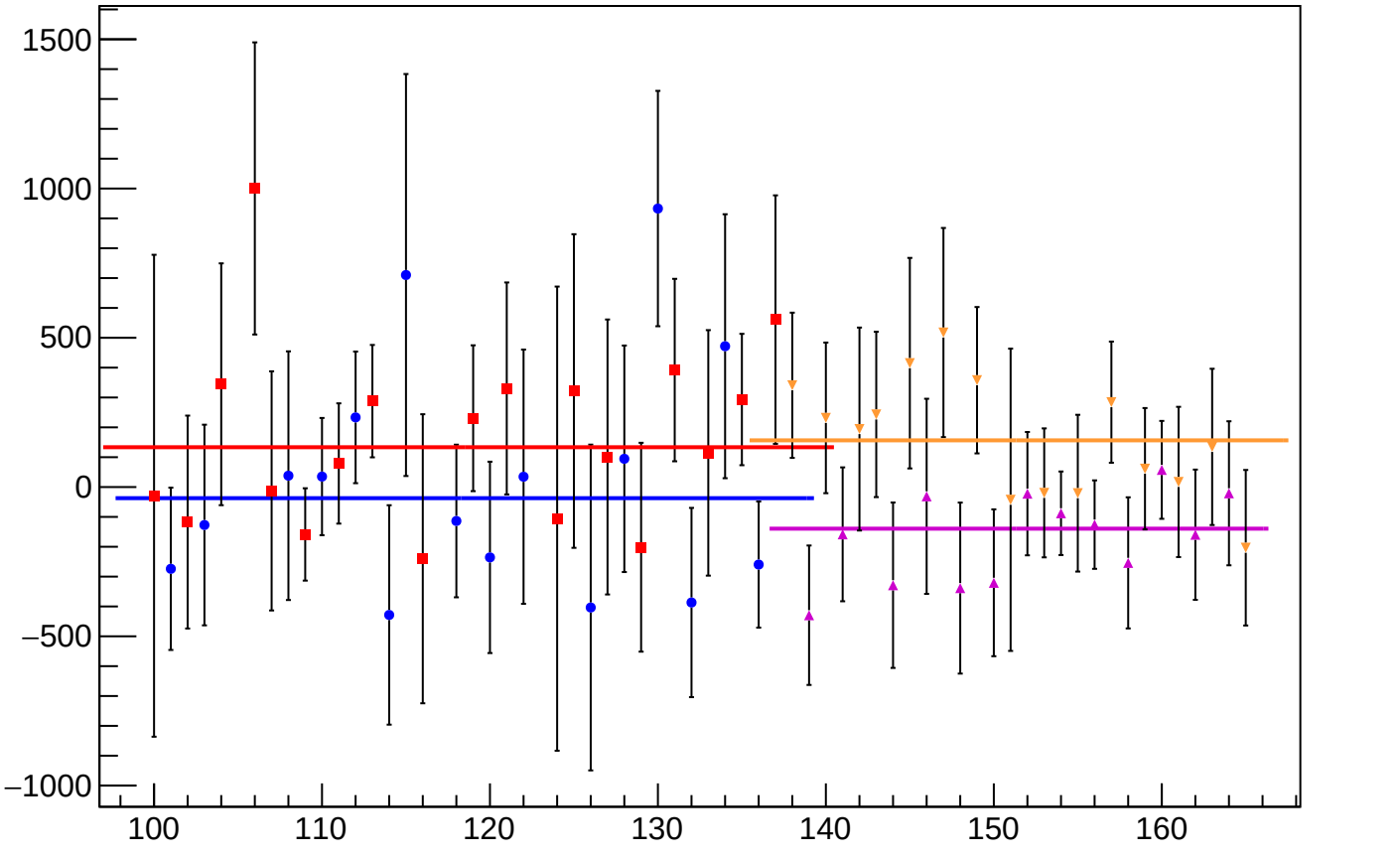
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.701+/-0.002 χ^2/NDF:140413.5/12

+ sign 10.599+/-0.002 χ^2/NDF: 281340.4/30

All: 10.617+/-0.001 χ^2/NDF: 610651.0/62

- sign 10.636+/-0.002 χ^2/NDF: 329085.5/31



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 156.463+/-67.332 χ^2/NDF:7.2/14

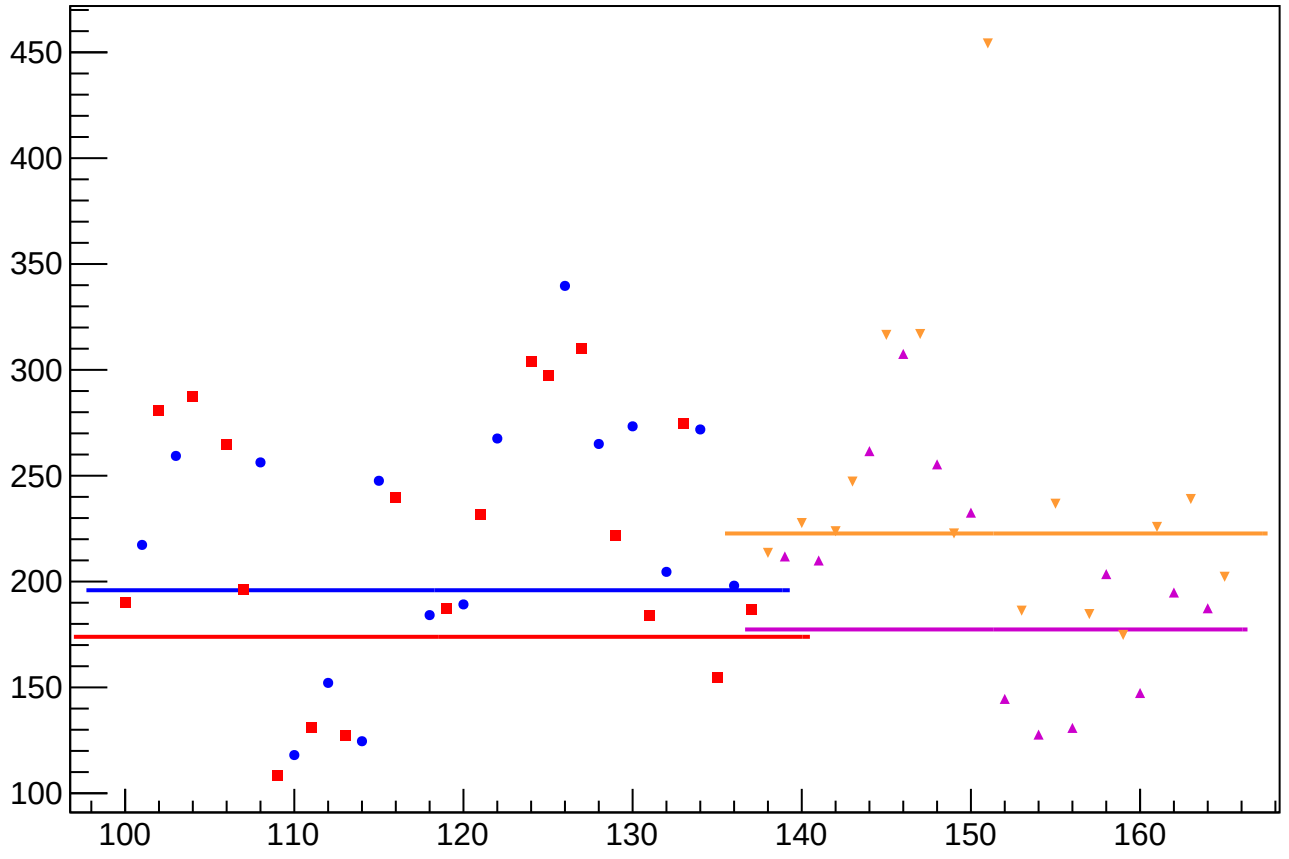
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -139.435+/-57.212 χ^2/NDF:5.6/12

+ sign 72.423+/-50.662 χ^2/NDF: 26.4/30

All: 15.154+/-33.225 χ^2/NDF: 56.4/62

- sign -28.066+/-44.012 χ^2/NDF: 27.8/31



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 222.713+/-0.048 χ^2/NDF:988245.3/14

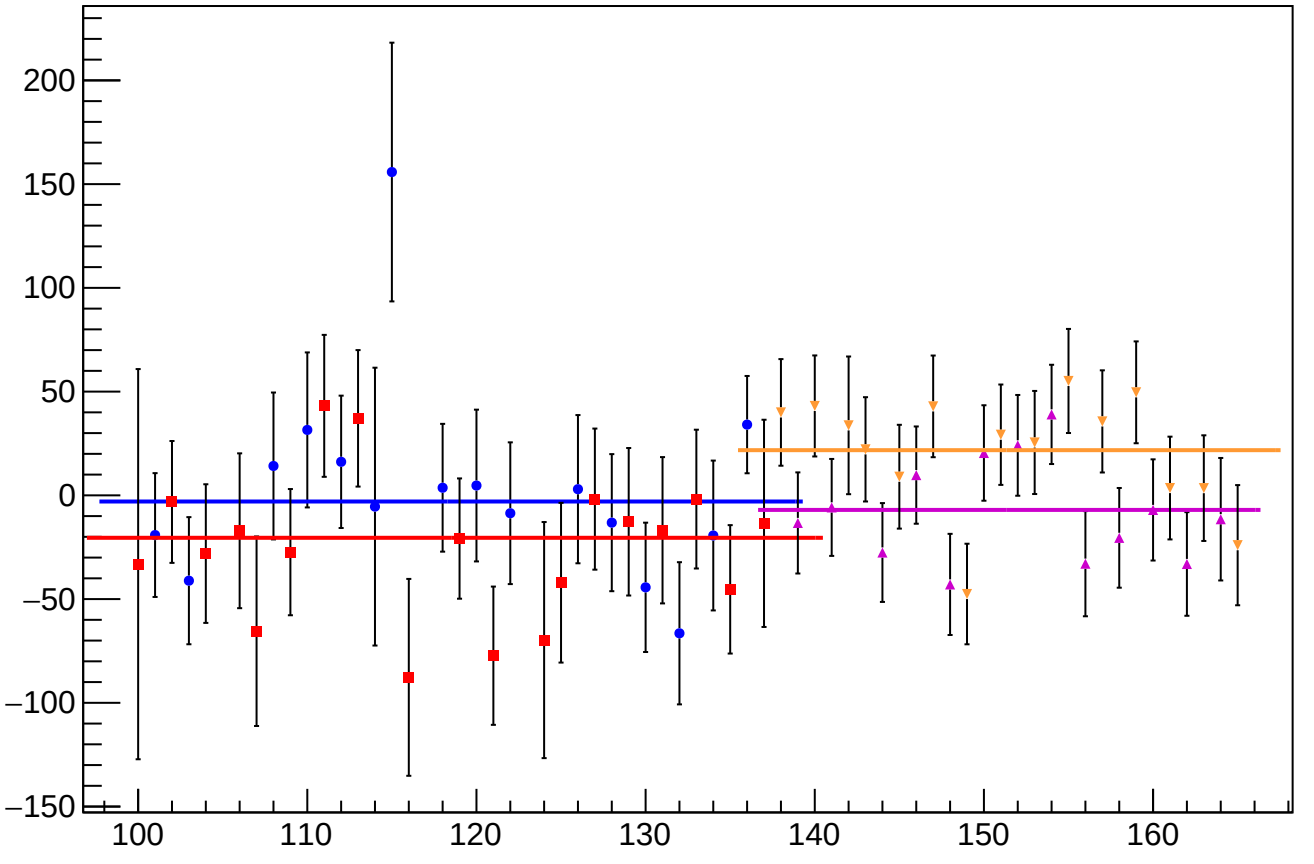
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 177.375+/-0.040 χ^2/NDF:1447922.4/12

+ sign 211.079+/-0.036 χ^2/NDF: 2136857.7/30

All: 191.063+/-0.023 χ^2/NDF: 5735199.9/62

- sign 175.957+/-0.031 χ^2/NDF: 3050540.3/31



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 21.773+/-6.558 χ^2/NDF:17.6/14

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

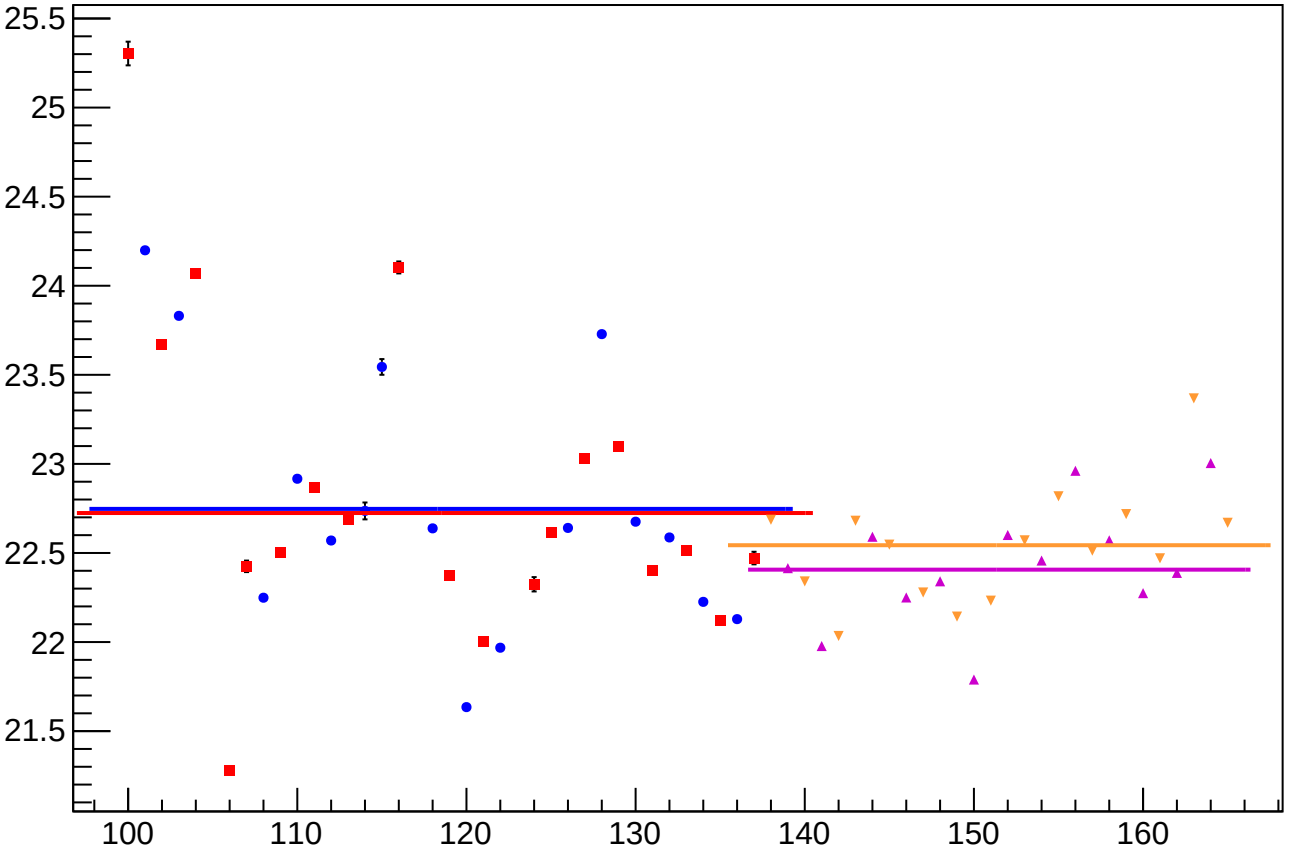
Left In: -7.022+/-6.767 χ^2/NDF:12.7/12

+ sign 12.479+/-5.182 χ^2/NDF: 40.9/30

All: 0.189+/-3.685 χ^2/NDF: 81.9/62

- sign -12.393+/-5.243 χ^2/NDF: 29.6/31

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.544+/-0.005 χ^2/NDF:4342.5/14

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

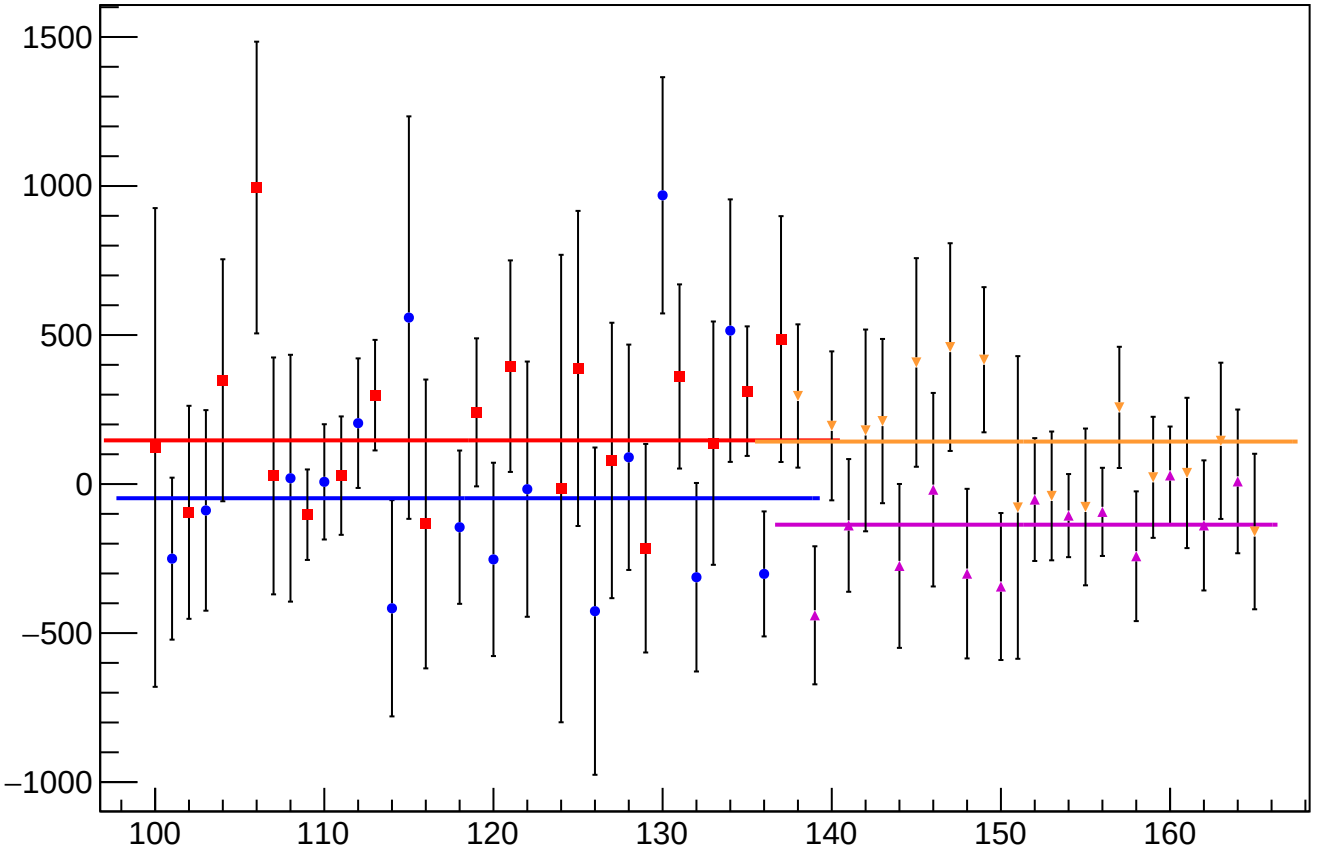
Left In: 22.406+/-0.005 χ^2/NDF:4406.8/12

\+ sign 22.620+/-0.004 χ^2/NDF: 19692.0/30

All: 22.577+/-0.003 χ^2/NDF: 40630.3/62

\- sign 22.533+/-0.004 χ^2/NDF: 20661.6/31

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 142.596+/-67.171 χ^2/NDF:7.0/14

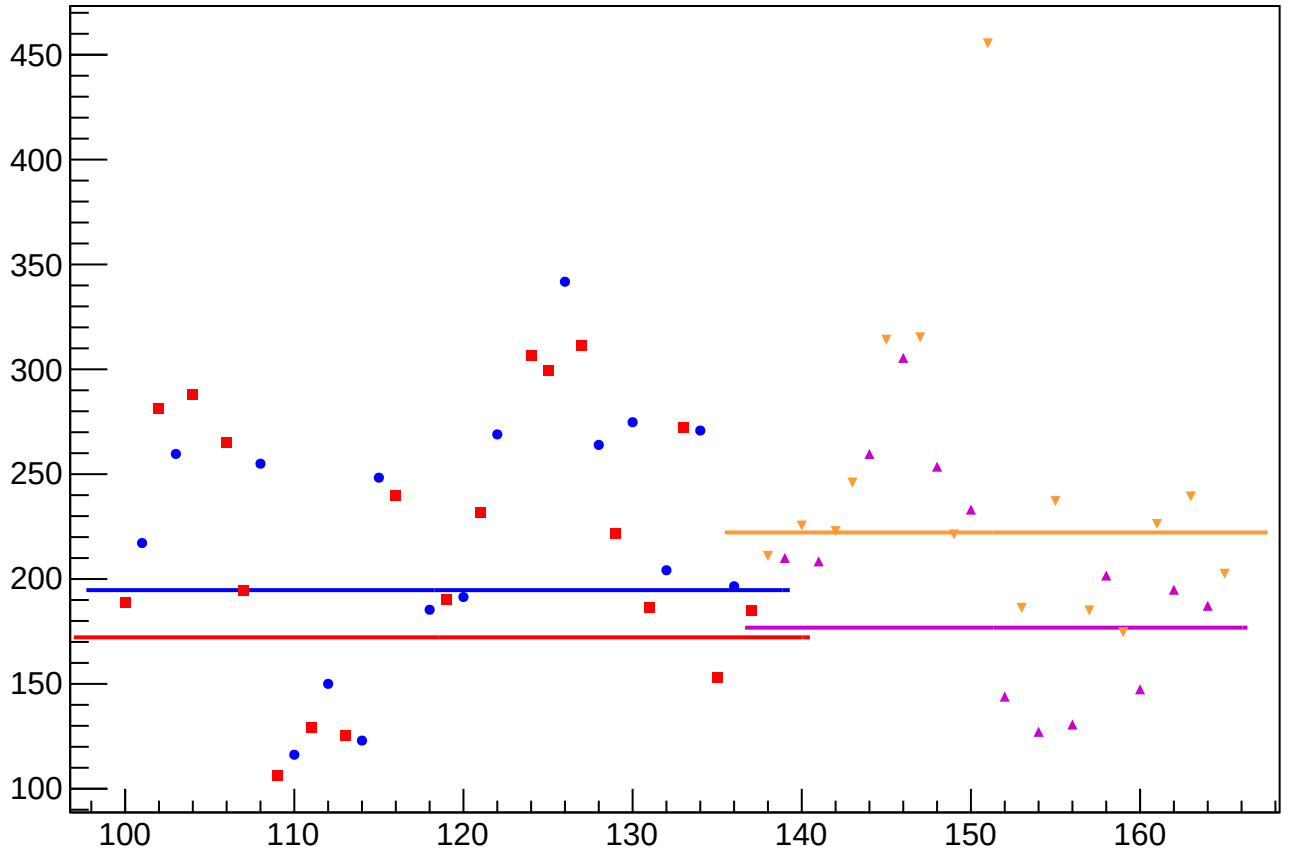
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -136.323+/-57.027 χ^2/NDF:5.1/12

+ sign 59.917+/-50.495 χ^2/NDF: 25.9/30

All: 14.135+/-33.087 χ^2/NDF: 54.0/62

- sign -20.312+/-43.801 χ^2/NDF: 26.7/31



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 222.186+/-0.047 χ^2/NDF:981179.0/14

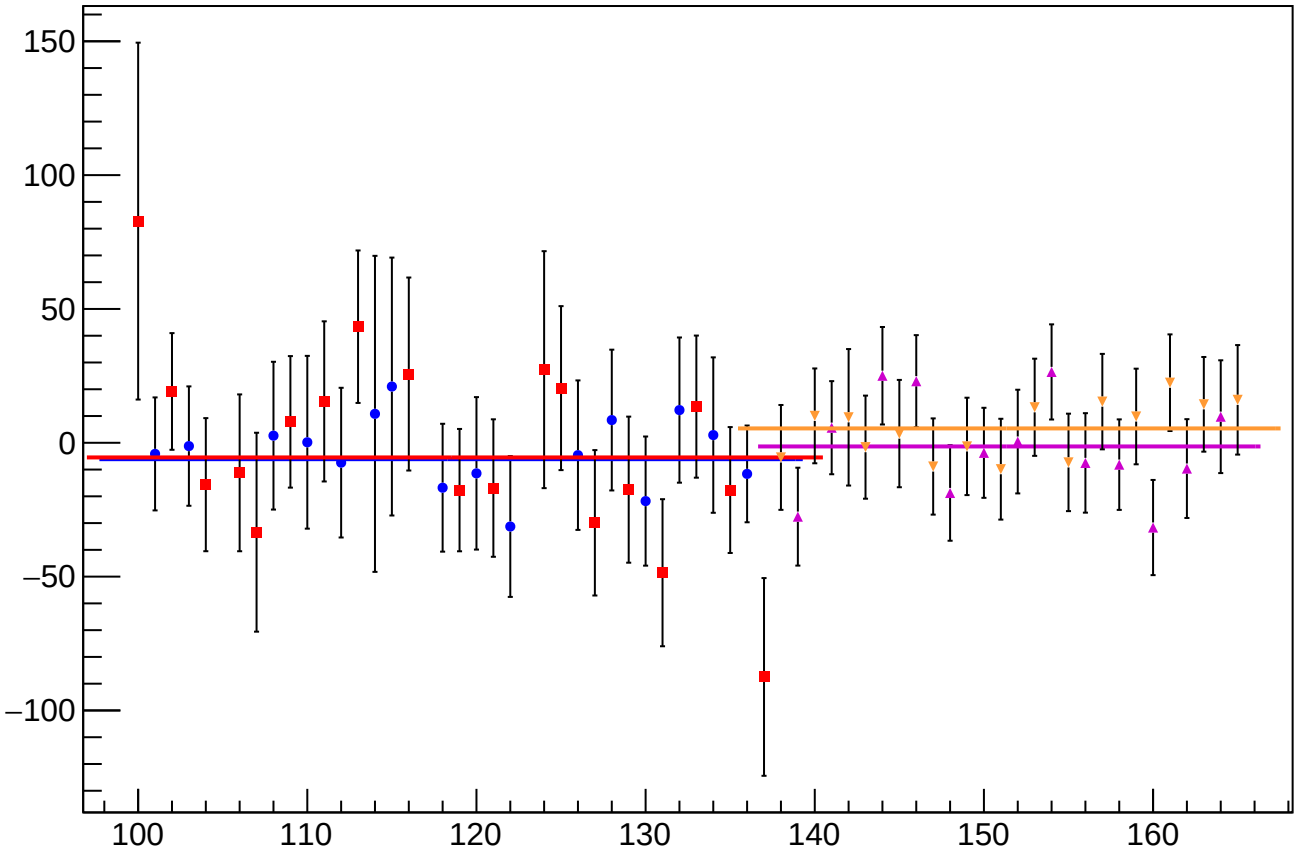
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 176.812+/-0.040 χ^2/NDF:1434578.4/12

+ sign 210.236+/-0.036 χ^2/NDF: 2179017.5/30

All: 190.080+/-0.023 χ^2/NDF: 5848492.5/62

- sign 174.915+/-0.031 χ^2/NDF: 3111042.8/31



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.368+/-4.854 χ^2/NDF:4.4/14

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

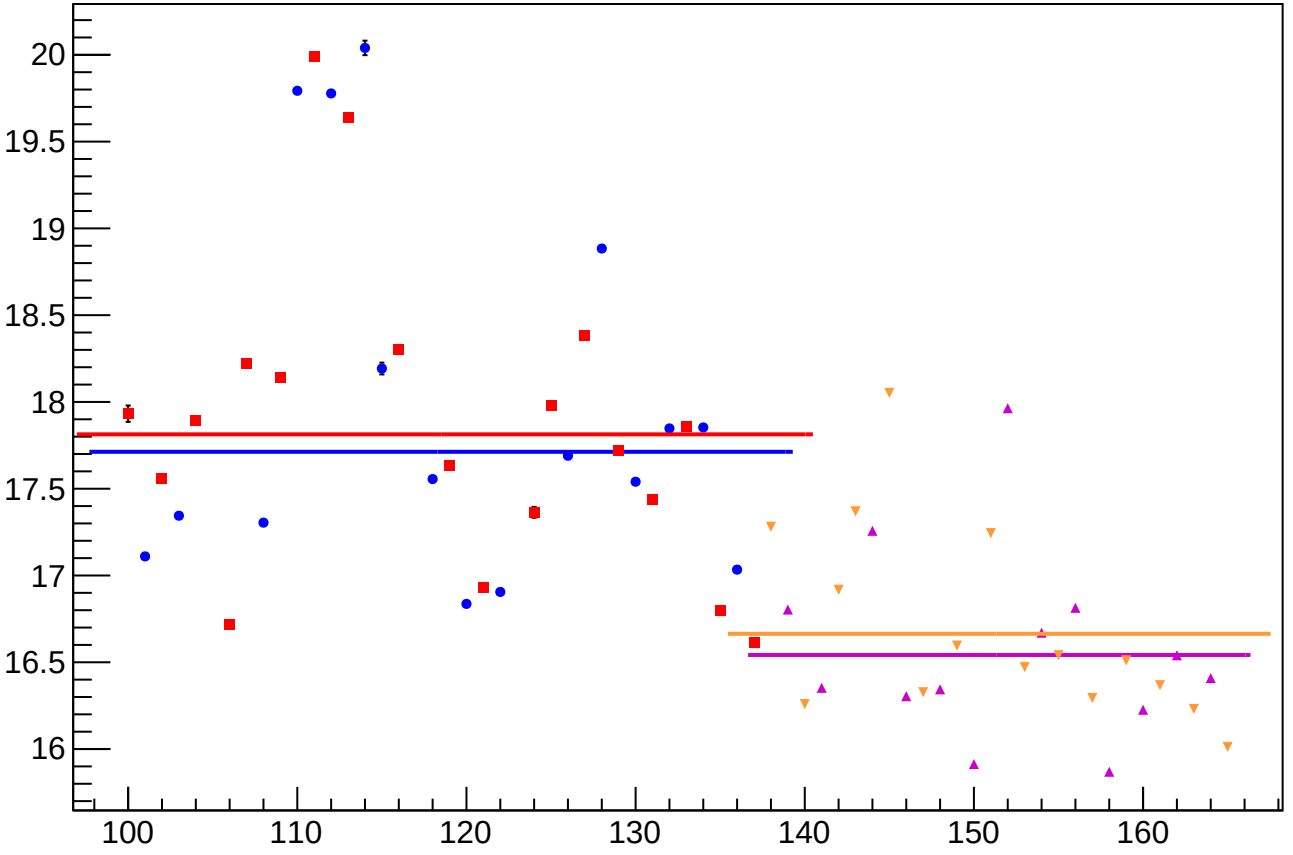
Left In: -1.366+/-5.004 χ^2/NDF:13.4/12

+ sign 1.329+/-3.909 χ^2/NDF: 9.5/30

All: -0.749+/-2.784 χ^2/NDF: 43.0/62

- sign -2.891+/-3.967 χ^2/NDF: 32.9/31

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.664+/-0.003 χ^2/NDF:23218.0/14

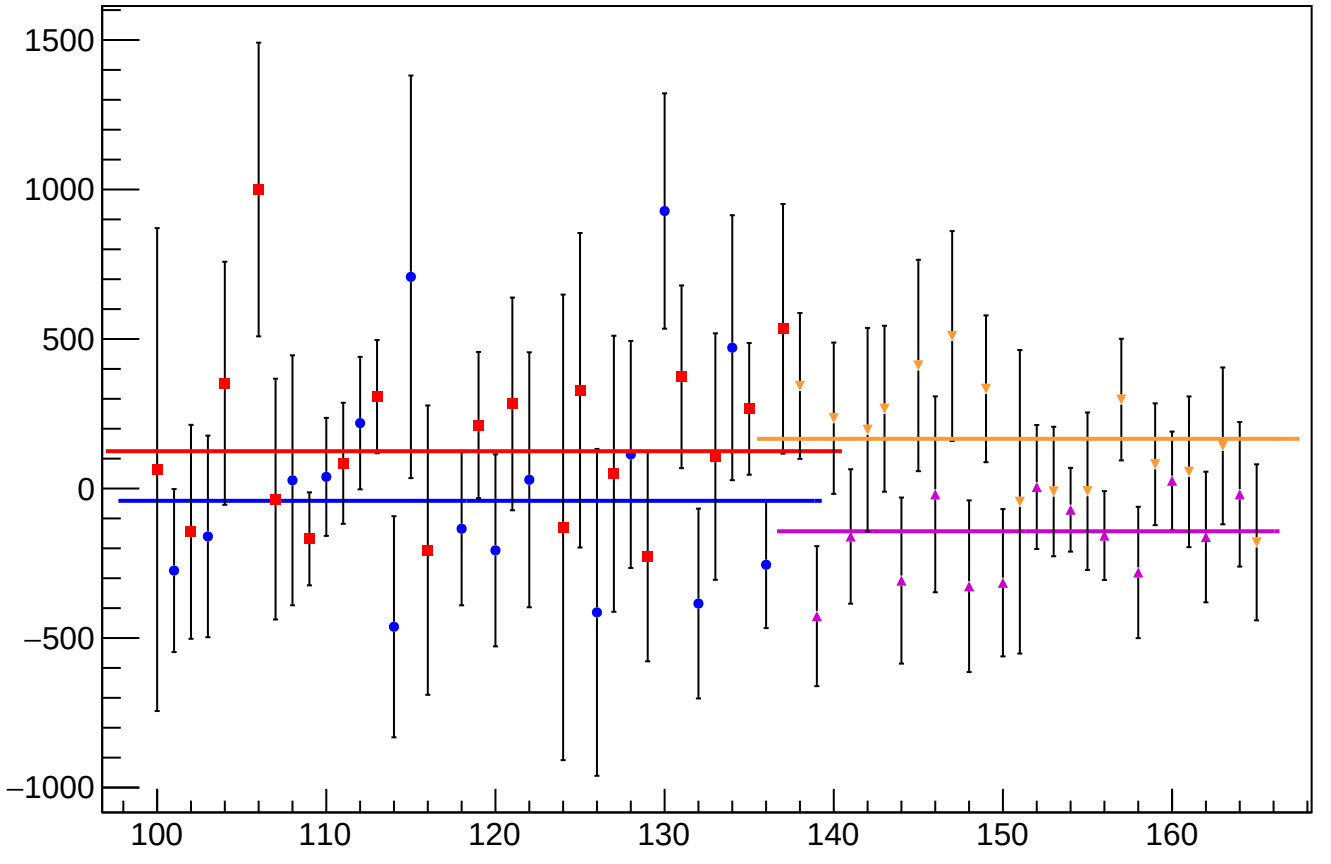
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.542+/-0.004 χ^2/NDF:22340.1/12

\+ sign 17.033+/-0.003 χ^2/NDF: 92015.4/30

All: 17.024+/-0.002 χ^2/NDF: 195041.1/62

\- sign 17.014+/-0.003 χ^2/NDF: 103003.8/31



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 166.229+/-67.480 χ^2/NDF:6.5/14

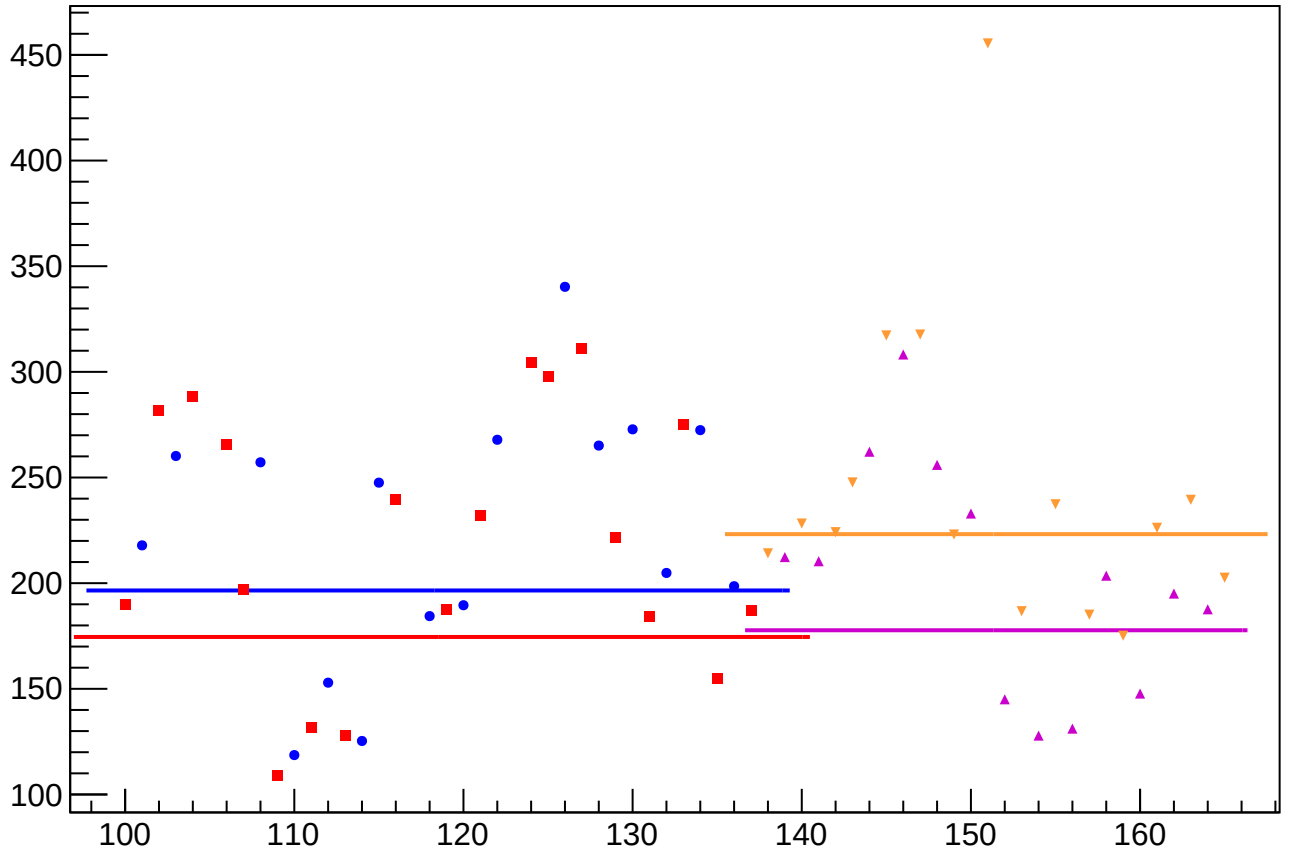
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -142.956+/-57.322 χ^2/NDF:5.4/12

+ sign 76.345+/-50.789 χ^2/NDF: 26.2/30

All: 13.575+/-33.308 χ^2/NDF: 56.0/62

- sign -33.794+/-44.120 χ^2/NDF: 27.1/31



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 223.197+/-0.048 χ^2/NDF:988439.9/14

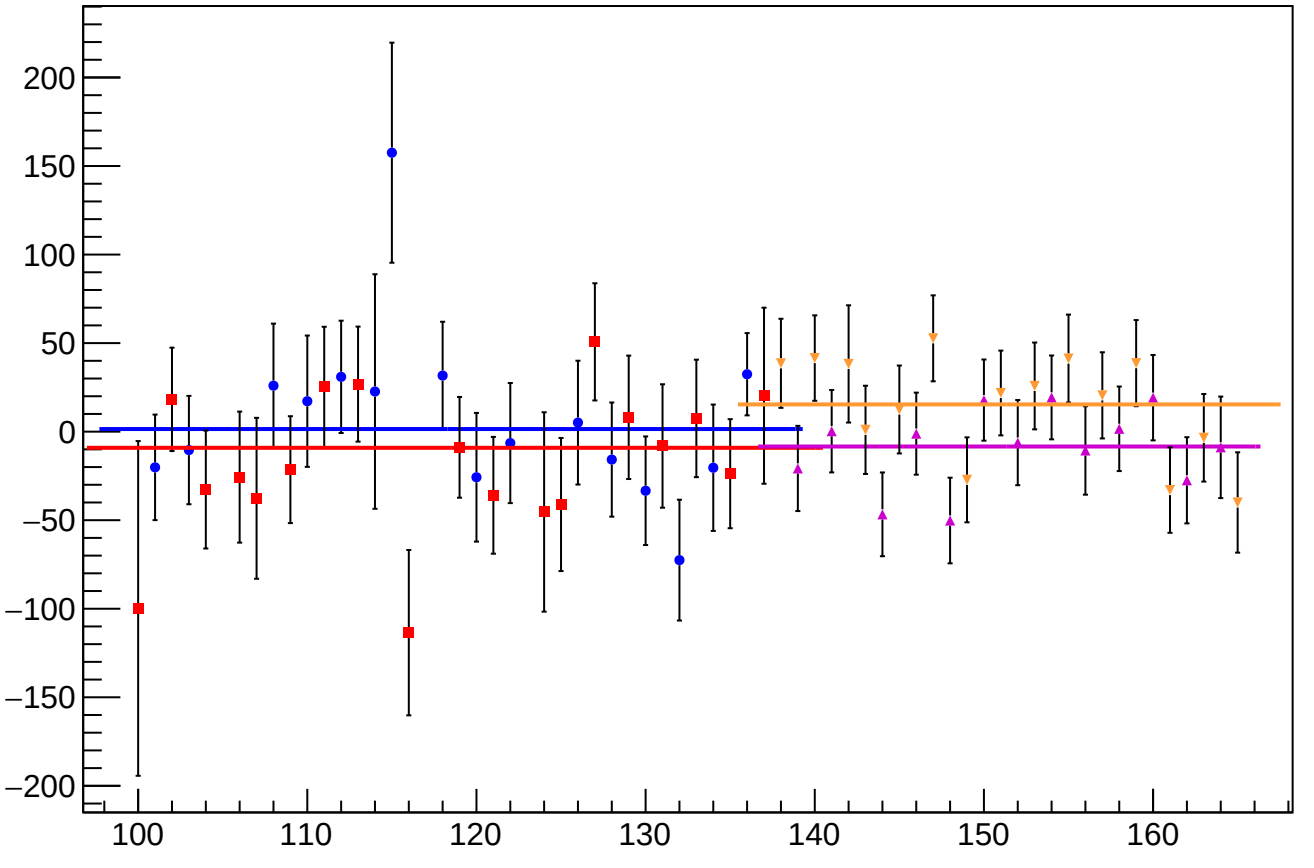
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 177.717+/-0.041 χ^2/NDF:1447392.0/12

+ sign 211.642+/-0.036 χ^2/NDF: 2124486.4/30

All: 191.569+/-0.024 χ^2/NDF: 5711232.6/62

- sign 176.422+/-0.031 χ^2/NDF: 3038620.8/31



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 15.381+/-6.470 χ^2/NDF:19.1/14

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

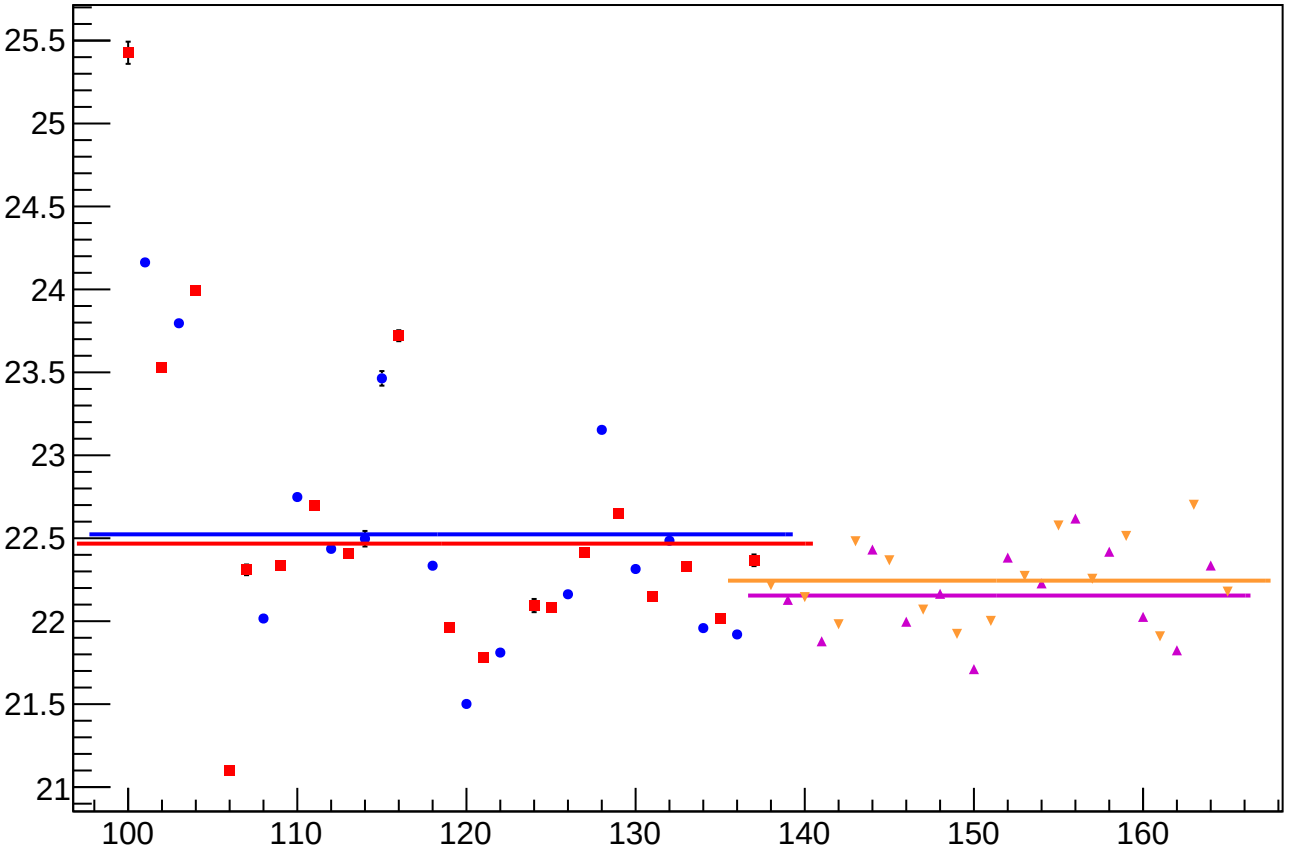
Left In: -8.392+/-6.690 χ^2/NDF:10.9/12

+ sign 10.181+/-5.119 χ^2/NDF: 39.5/30

All: 0.868+/-3.642 χ^2/NDF: 73.6/62

- sign -8.681+/-5.183 χ^2/NDF: 27.4/31

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.244+/-0.005 χ^2/NDF:2749.1/14

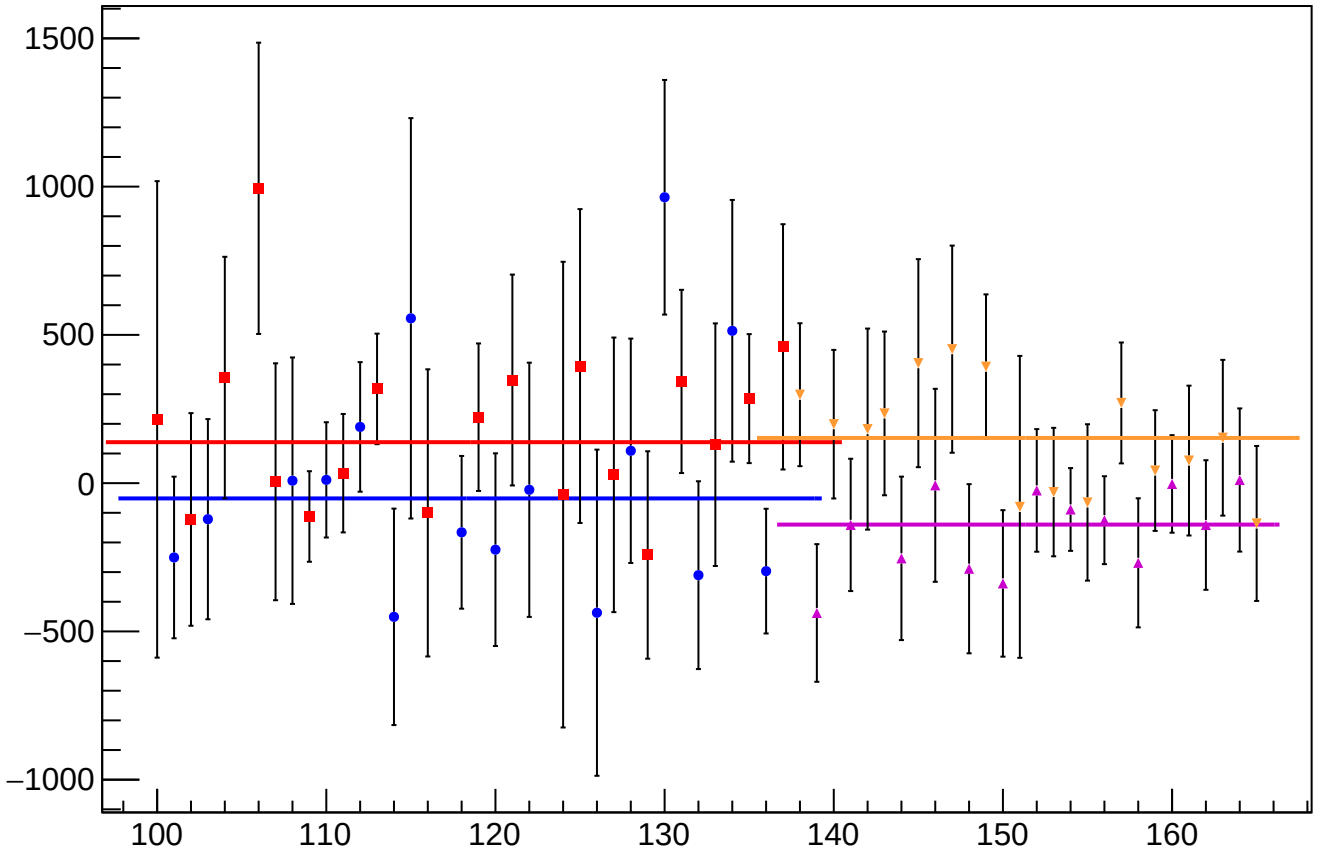
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.155+/-0.005 χ^2/NDF:3041.5/12

\+ sign 22.349+/-0.004 χ^2/NDF: 20089.0/30

All: 22.315+/-0.003 χ^2/NDF: 40687.2/62

\- sign 22.280+/-0.004 χ^2/NDF: 20418.0/31



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 152.449+/-67.318 χ^2/NDF:6.3/14

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

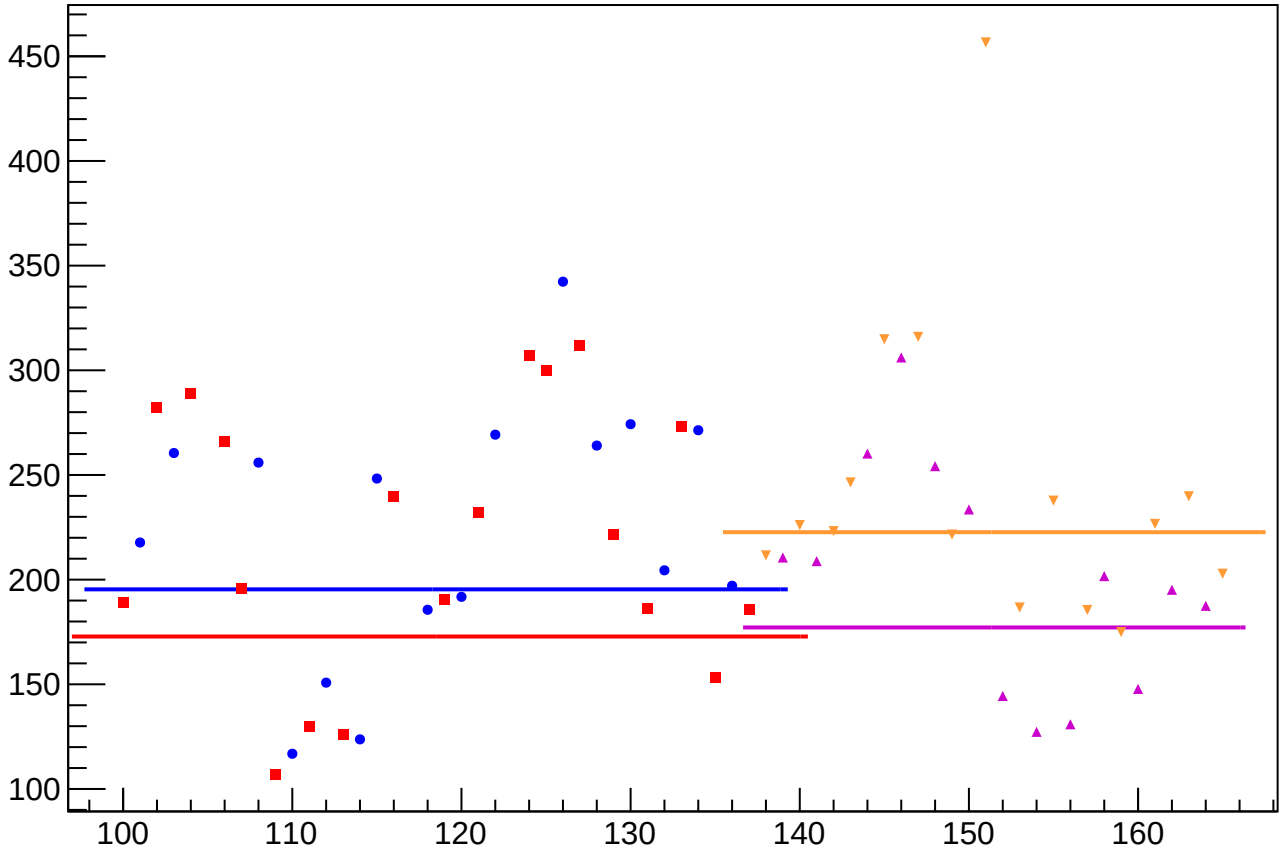
Left In: -139.744+/-57.137 χ^2/NDF:4.8/12

+ sign 63.836+/-50.623 χ^2/NDF: 25.6/30

All: 12.595+/-33.170 χ^2/NDF: 53.5/62

- sign -25.957+/-43.910 χ^2/NDF: 26.1/31

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 222.669+/-0.048 χ^2/NDF:981375.8/14

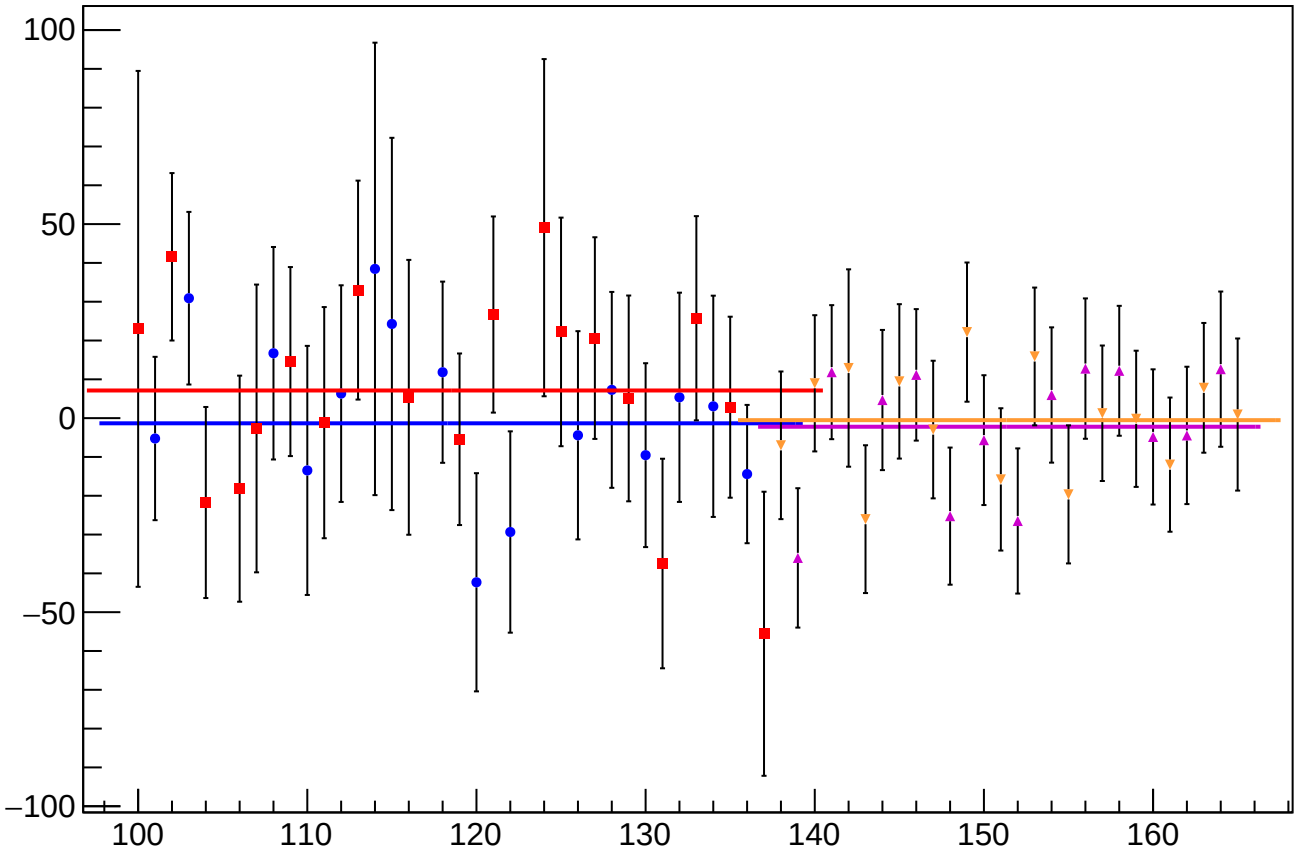
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 177.151+/-0.040 χ^2/NDF:1434158.5/12

+ sign 210.804+/-0.036 χ^2/NDF: 2165811.0/30

All: 190.592+/-0.023 χ^2/NDF: 5822771.1/62

- sign 175.385+/-0.031 χ^2/NDF: 3098256.8/31



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.521+/-4.741 χ^2/NDF:7.8/14

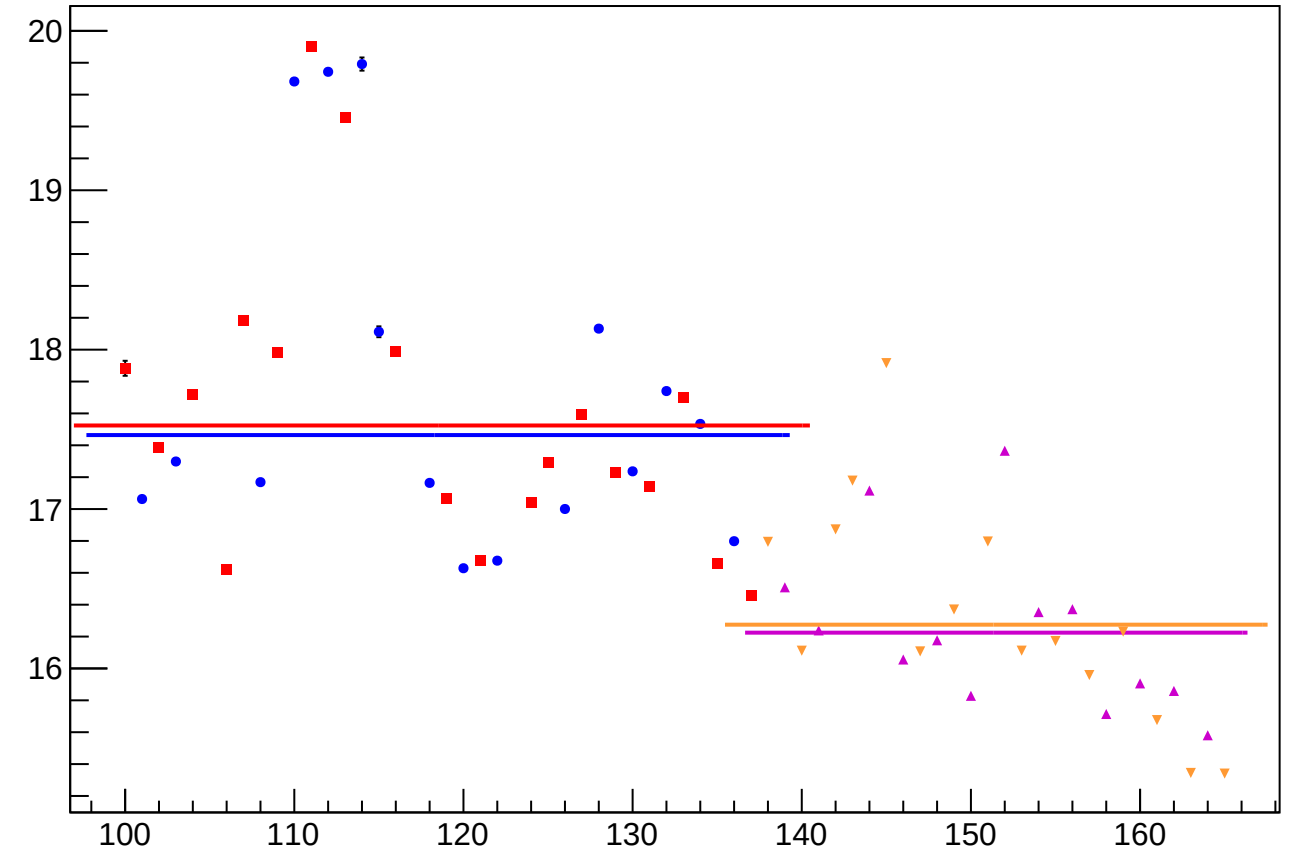
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: -2.216+/-4.906 χ^2/NDF:10.6/12

+ sign -0.803+/-3.830 χ^2/NDF: 15.8/30

All: 0.202+/-2.731 χ^2/NDF: 42.3/62

- sign 1.240+/-3.894 χ^2/NDF: 26.4/31



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.275+/-0.003 χ^2/NDF:36772.9/14

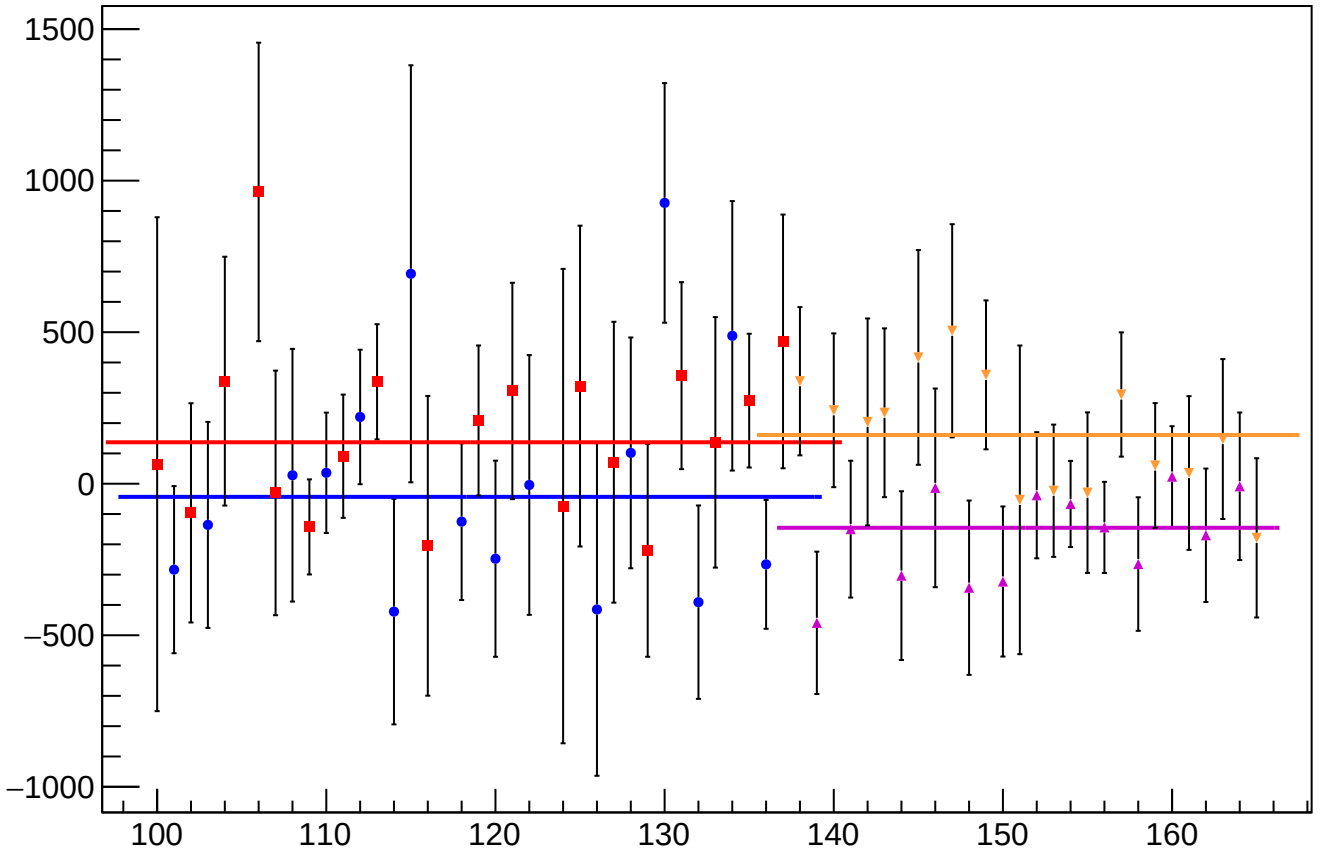
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.225+/-0.003 χ^2/NDF:19849.2/12

+ sign 16.688+/-0.003 χ^2/NDF: 117160.3/30

All: 16.696+/-0.002 χ^2/NDF: 223694.7/62

- sign 16.705+/-0.003 χ^2/NDF: 106513.5/31



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 160.769+/-67.847 χ^2/NDF:6.8/14

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

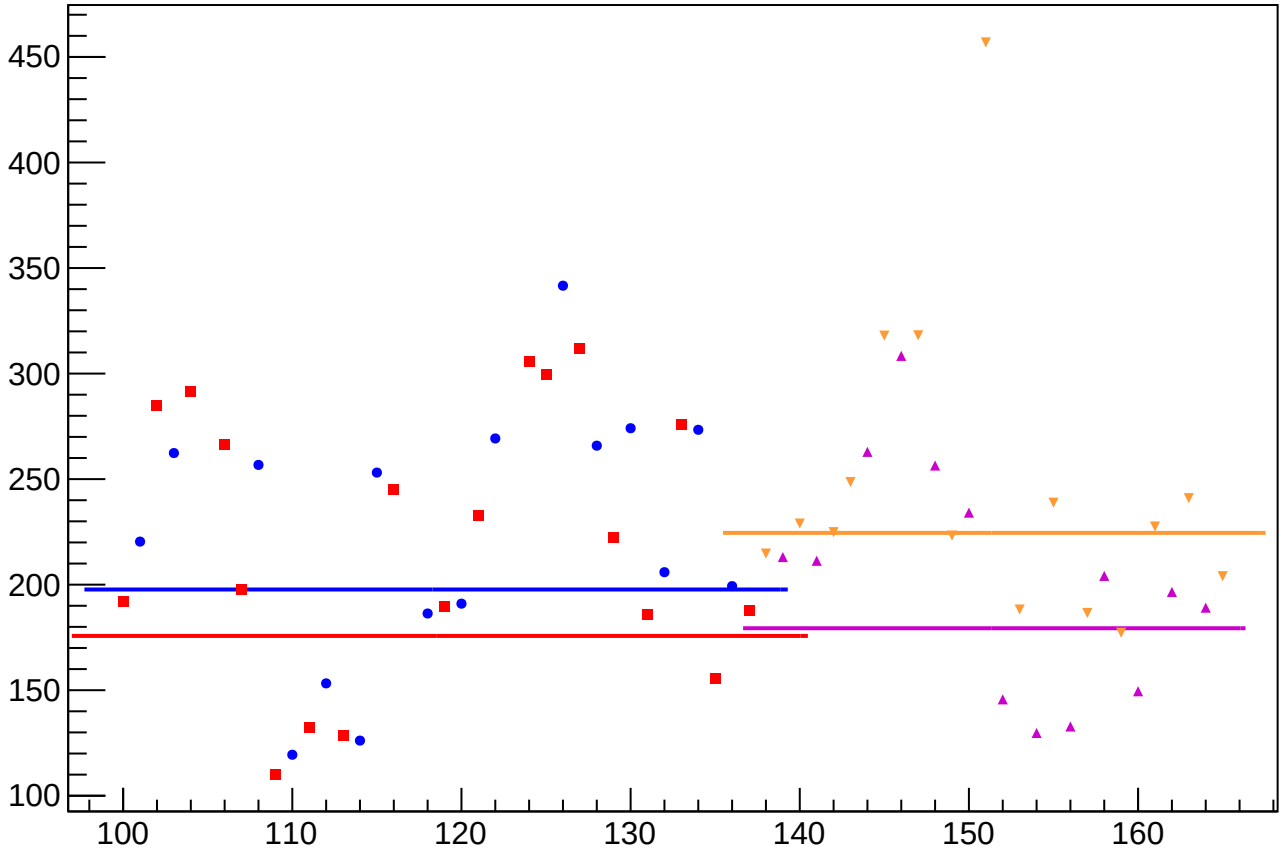
Left In: -145.392+/-57.781 χ^2/NDF:5.5/12

+ sign 72.299+/-51.073 χ^2/NDF: 26.2/30

All: 13.984+/-33.528 χ^2/NDF: 55.2/62

- sign -30.180+/-44.446 χ^2/NDF: 26.7/31

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 224.537+/-0.048 χ^2/NDF:971696.0/14

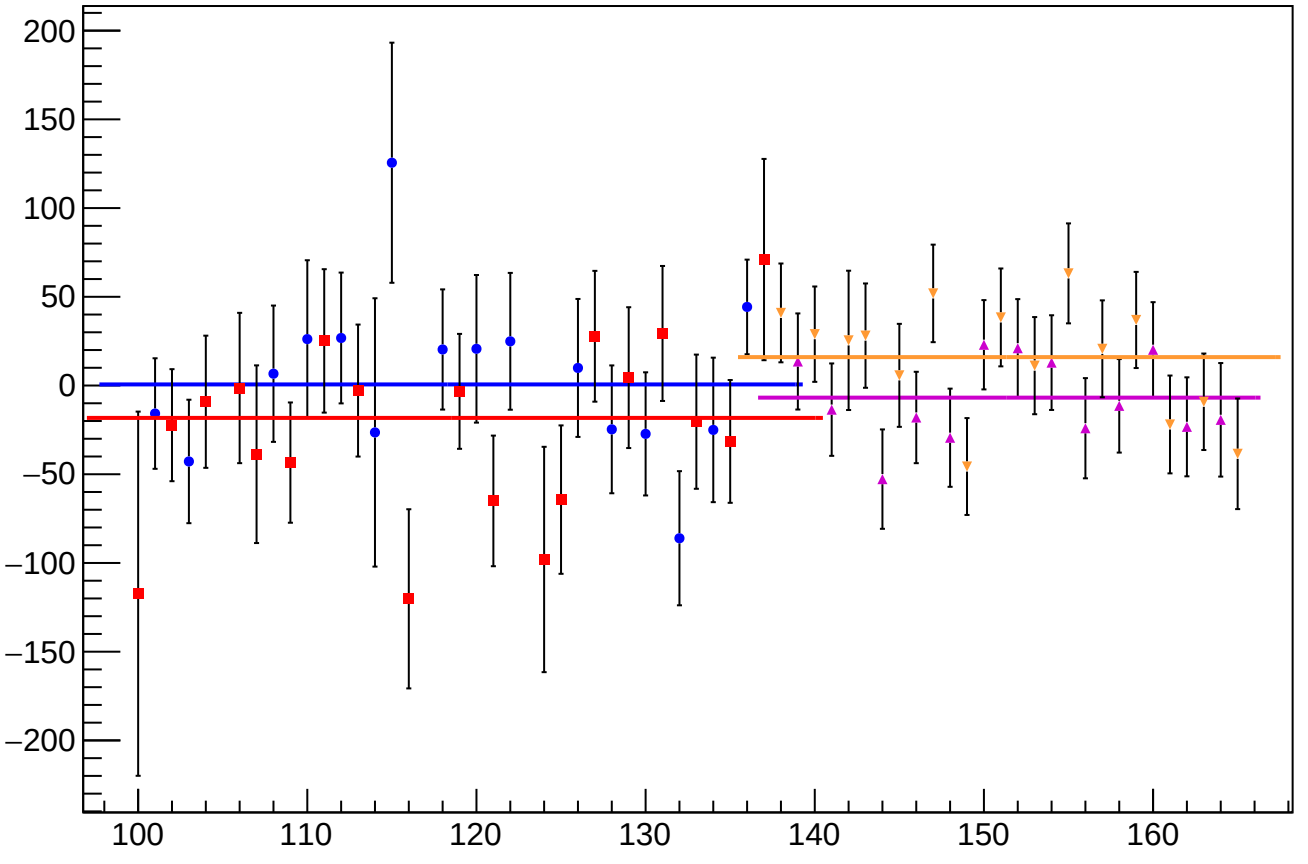
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 179.352+/-0.041 χ^2/NDF:1406319.4/12

+ sign 212.911+/-0.036 χ^2/NDF: 2107555.2/30

All: 192.969+/-0.024 χ^2/NDF: 5643482.0/62

- sign 177.867+/-0.031 χ^2/NDF: 3000113.1/31



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 16.007+/-7.323 χ^2/NDF:18.1/14

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

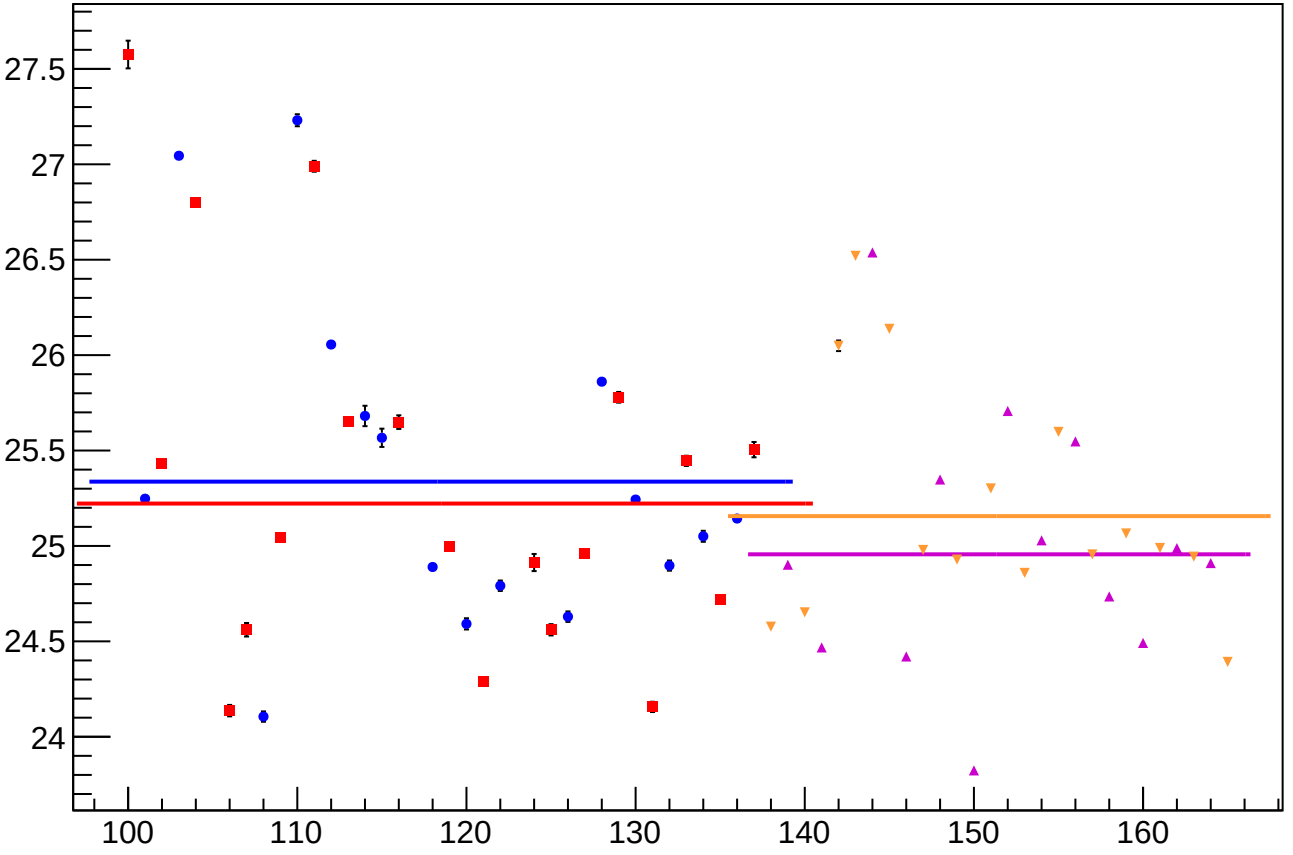
Left In: -6.830+/-7.545 χ^2/NDF:9.1/12

+ sign 10.211+/-5.782 χ^2/NDF: 36.5/30

All: -0.502+/-4.108 χ^2/NDF: 71.4/62

- sign -11.417+/-5.836 χ^2/NDF: 28.0/31

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: 25.156+/-0.005 χ^2/NDF:11731.0/14

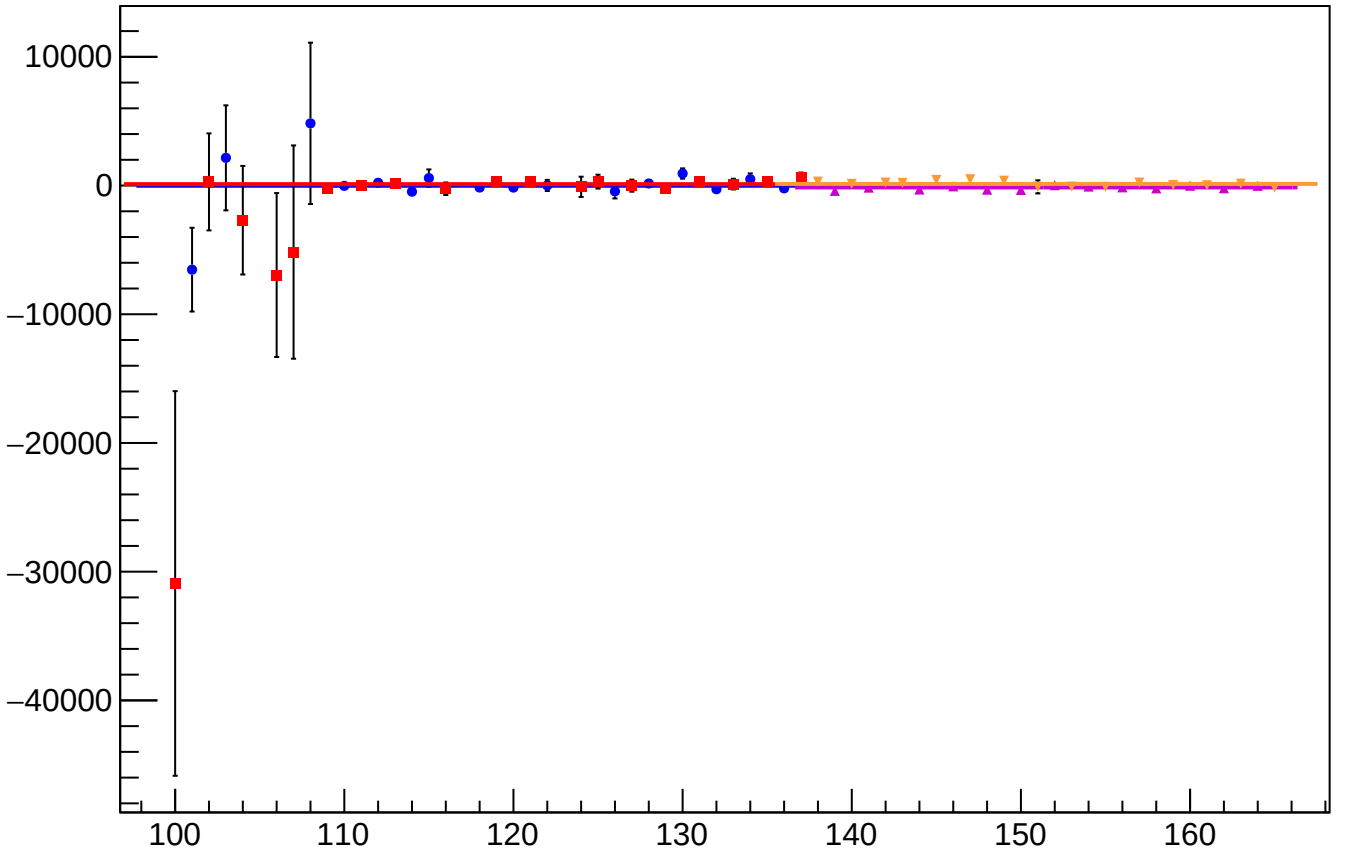
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.956+/-0.005 χ^2/NDF:15522.5/12

+ sign 25.224+/-0.004 χ^2/NDF: 26504.6/30

All: 25.144+/-0.003 χ^2/NDF: 59022.3/62

- sign 25.063+/-0.004 χ^2/NDF: 31745.8/31



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 128.440+/-68.723 χ^2/NDF:7.0/14

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

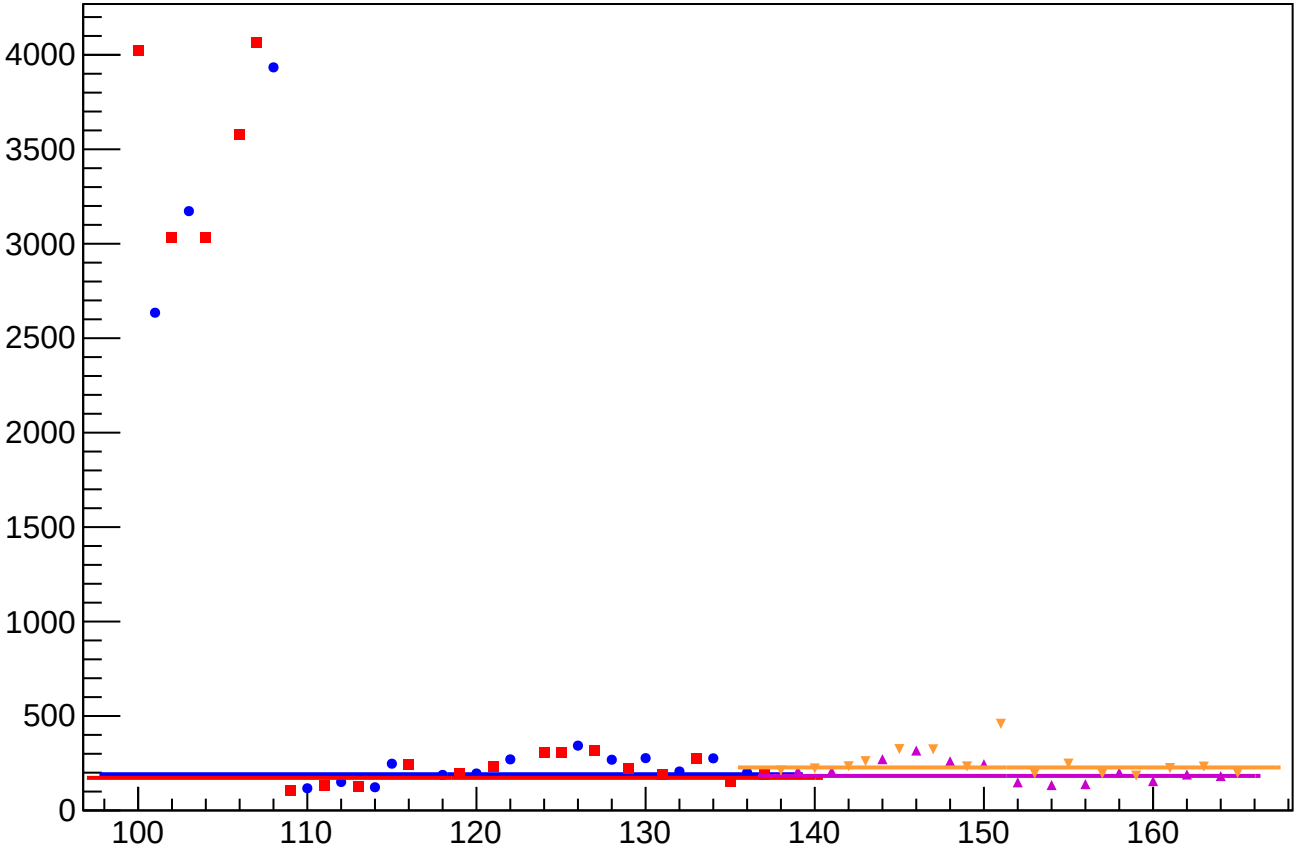
Left In: -146.993+/-58.710 χ^2/NDF:4.6/12

+ sign 71.319+/-53.367 χ^2/NDF: 27.1/30

All: 0.296+/-35.241 χ^2/NDF: 55.7/62

- sign -54.625+/-46.929 χ^2/NDF: 25.5/31

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 227.681+/-0.049 χ^2/NDF:950598.3/14

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

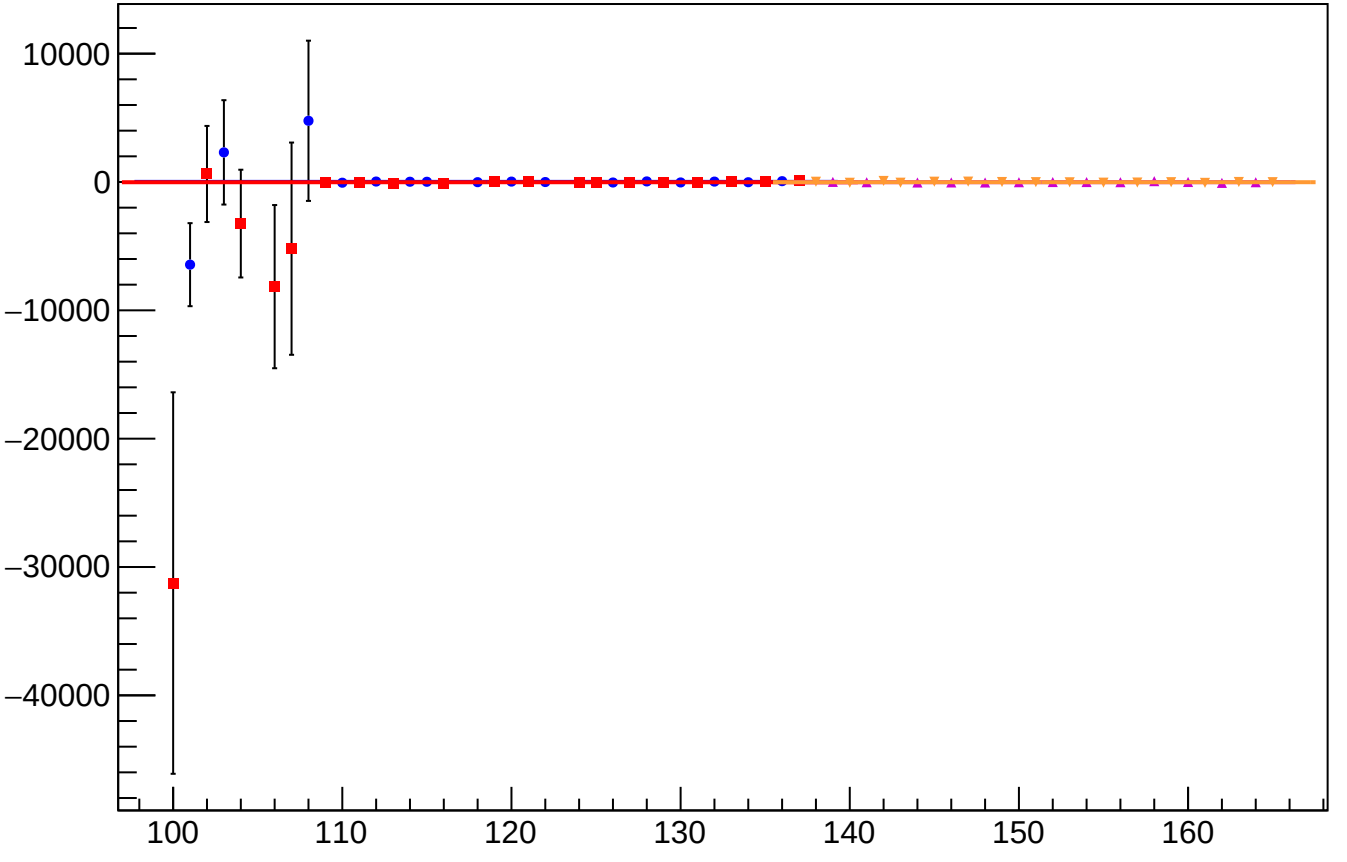
Left In: 182.806+/-0.042 χ^2/NDF:1298297.4/12

+ sign 213.412+/-0.038 χ^2/NDF: 4989612.7/30

All: 194.046+/-0.025 χ^2/NDF: 11080466.9/62

- sign 179.071+/-0.033 χ^2/NDF: 5623841.1/31

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -15.705+/-8.474 χ^2/NDF:17.6/14

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

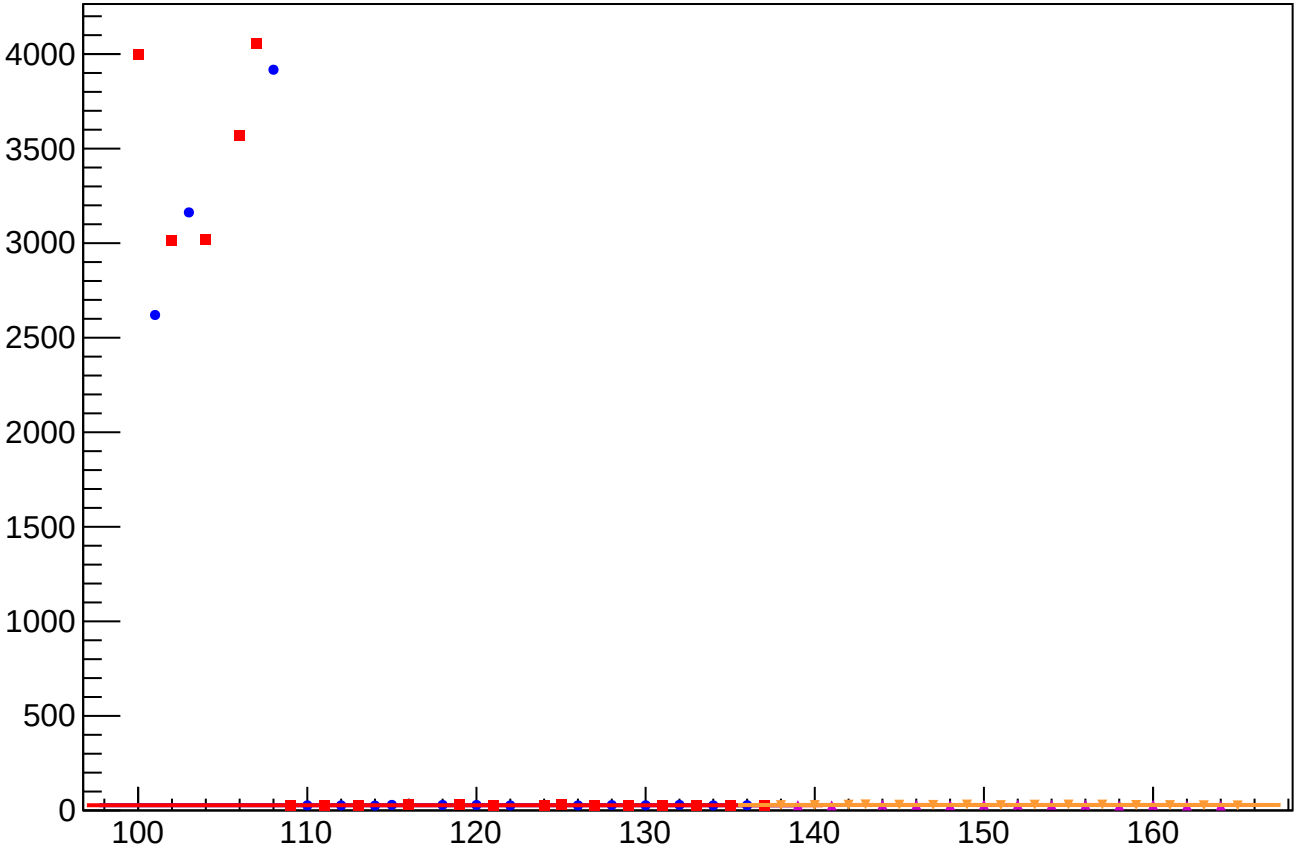
Left In: -12.323+/-8.792 χ^2/NDF:13.9/12

+ sign -6.991+/-6.860 χ^2/NDF: 36.6/30

All: -10.587+/-4.917 χ^2/NDF: 76.0/62

- sign -14.386+/-7.051 χ^2/NDF: 38.8/31

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: 29.046+/-0.006 χ^2/NDF:63136.4/14

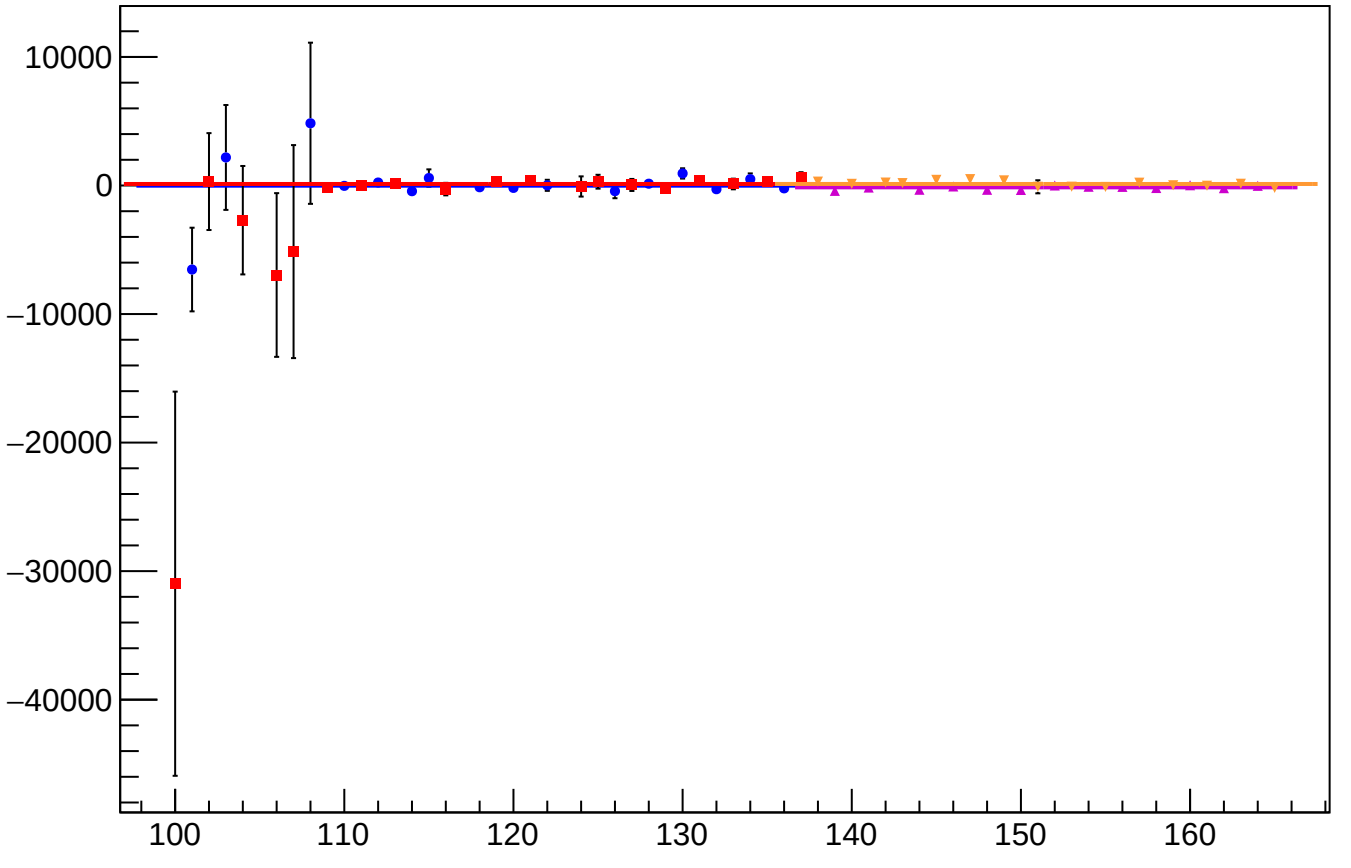
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.994+/-0.006 χ^2/NDF:96848.9/12

+ sign 28.562+/-0.005 χ^2/NDF: 3347572.1/30

All: 28.519+/-0.003 χ^2/NDF: 7019469.0/62

- sign 28.473+/-0.005 χ^2/NDF: 3671733.8/31



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 118.199+/-68.577 χ^2/NDF:7.8/14

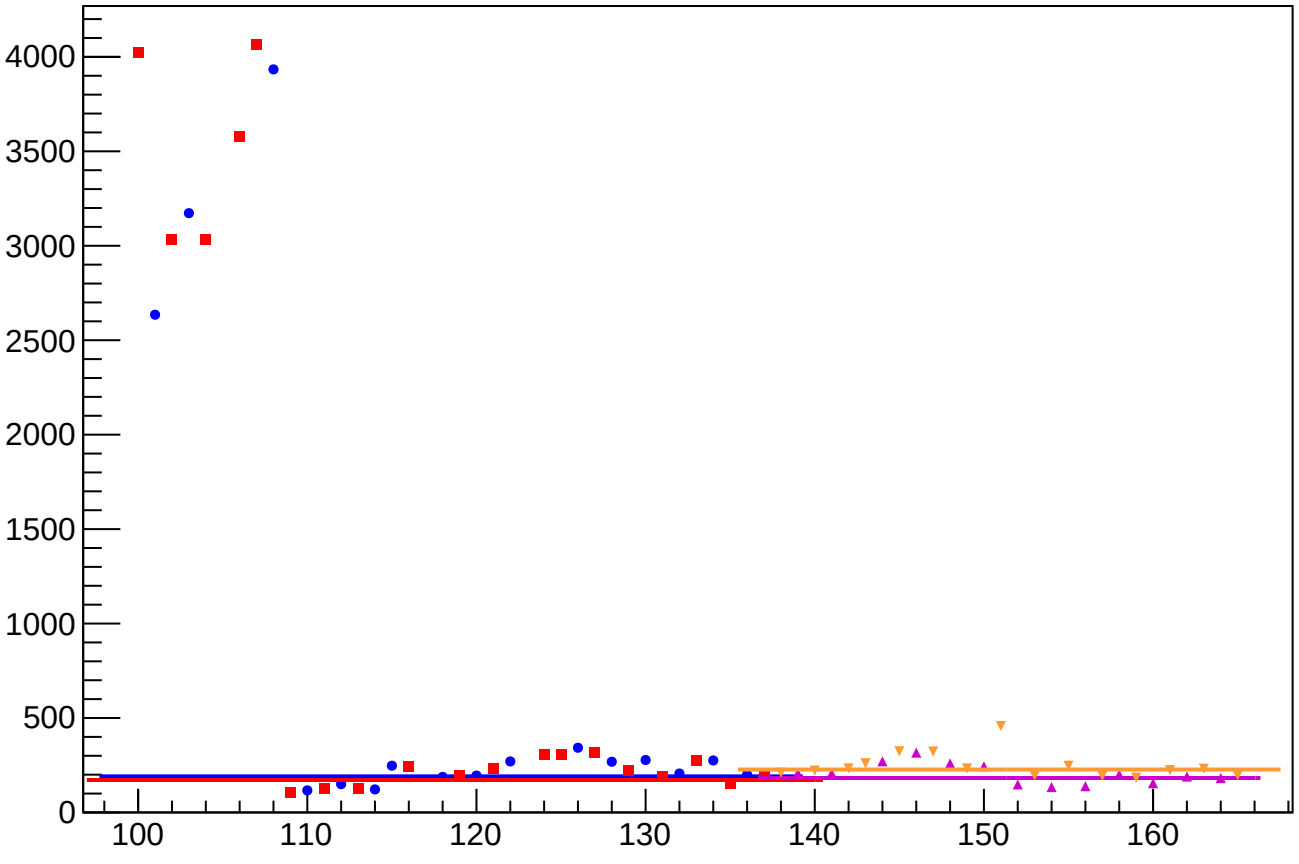
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -143.882+/-58.602 χ^2/NDF:4.8/12

+ sign 66.002+/-53.237 χ^2/NDF: 27.6/30

All: 1.070+/-35.159 χ^2/NDF: 56.7/62

- sign -49.158+/-46.822 χ^2/NDF: 26.5/31



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 227.203+/-0.048 χ^2/NDF:950283.3/14

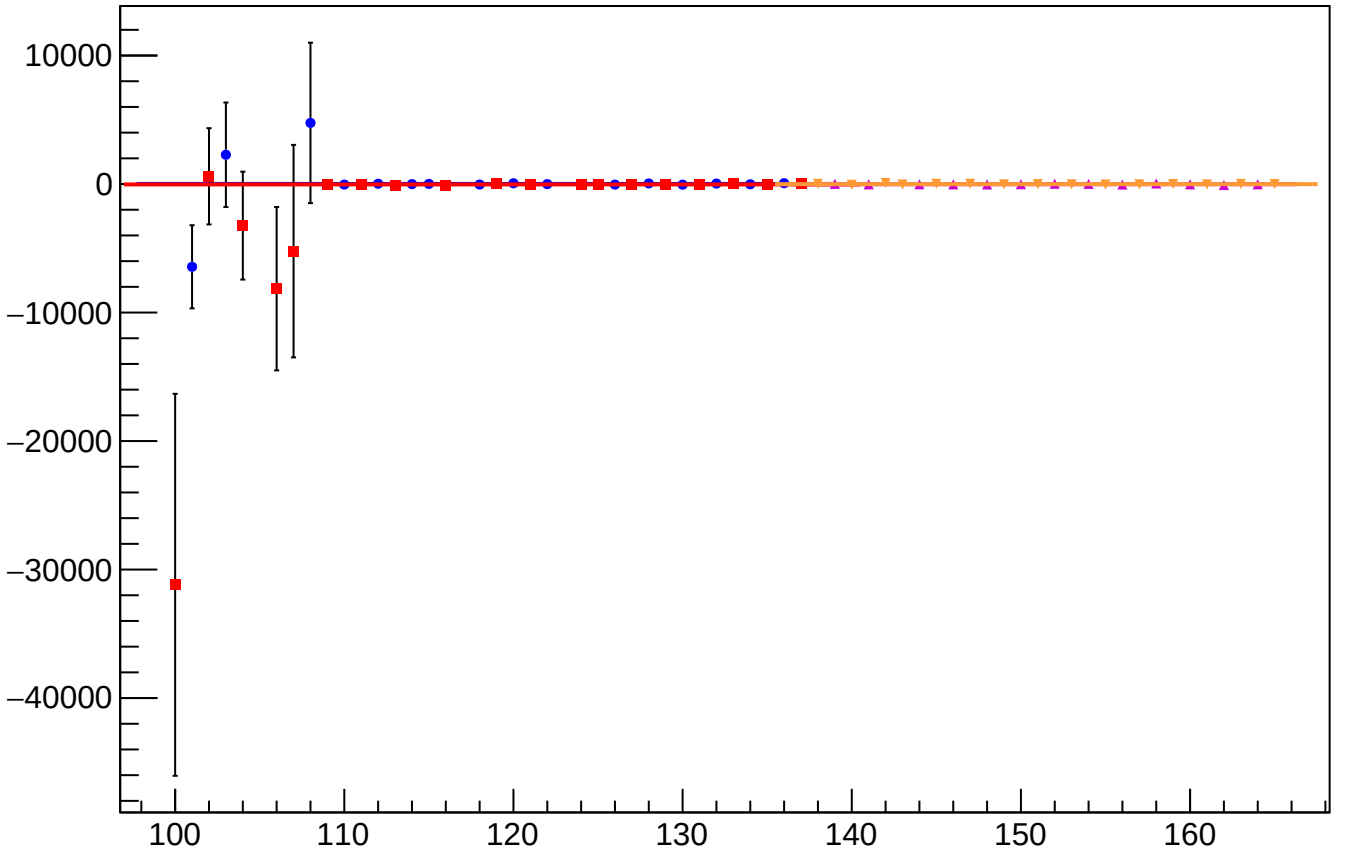
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 182.472+/-0.041 χ^2/NDF:1298321.0/12

+ sign 212.845+/-0.038 χ^2/NDF: 5004868.6/30

All: 193.551+/-0.025 χ^2/NDF: 11107671.2/62

- sign 178.626+/-0.033 χ^2/NDF: 5636871.9/31



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.685+/-8.546 χ^2/NDF:11.2/14

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

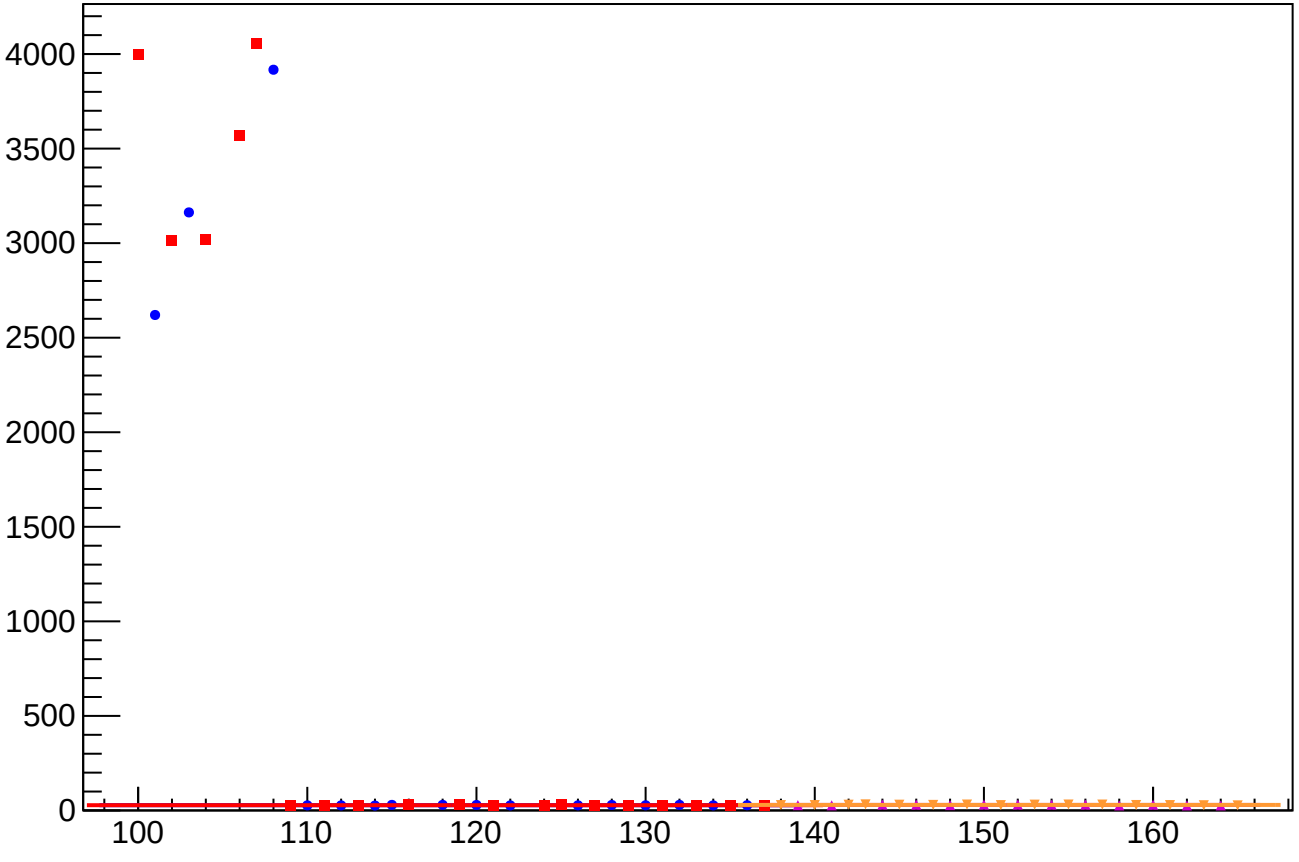
Left In: -12.349+/-8.854 χ^2/NDF:12.2/12

+ sign -3.443+/-6.914 χ^2/NDF: 30.6/30

All: -11.002+/-4.955 χ^2/NDF: 66.7/62

- sign -18.980+/-7.104 χ^2/NDF: 33.6/31

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.289+/-0.006 χ^2/NDF:64346.8/14

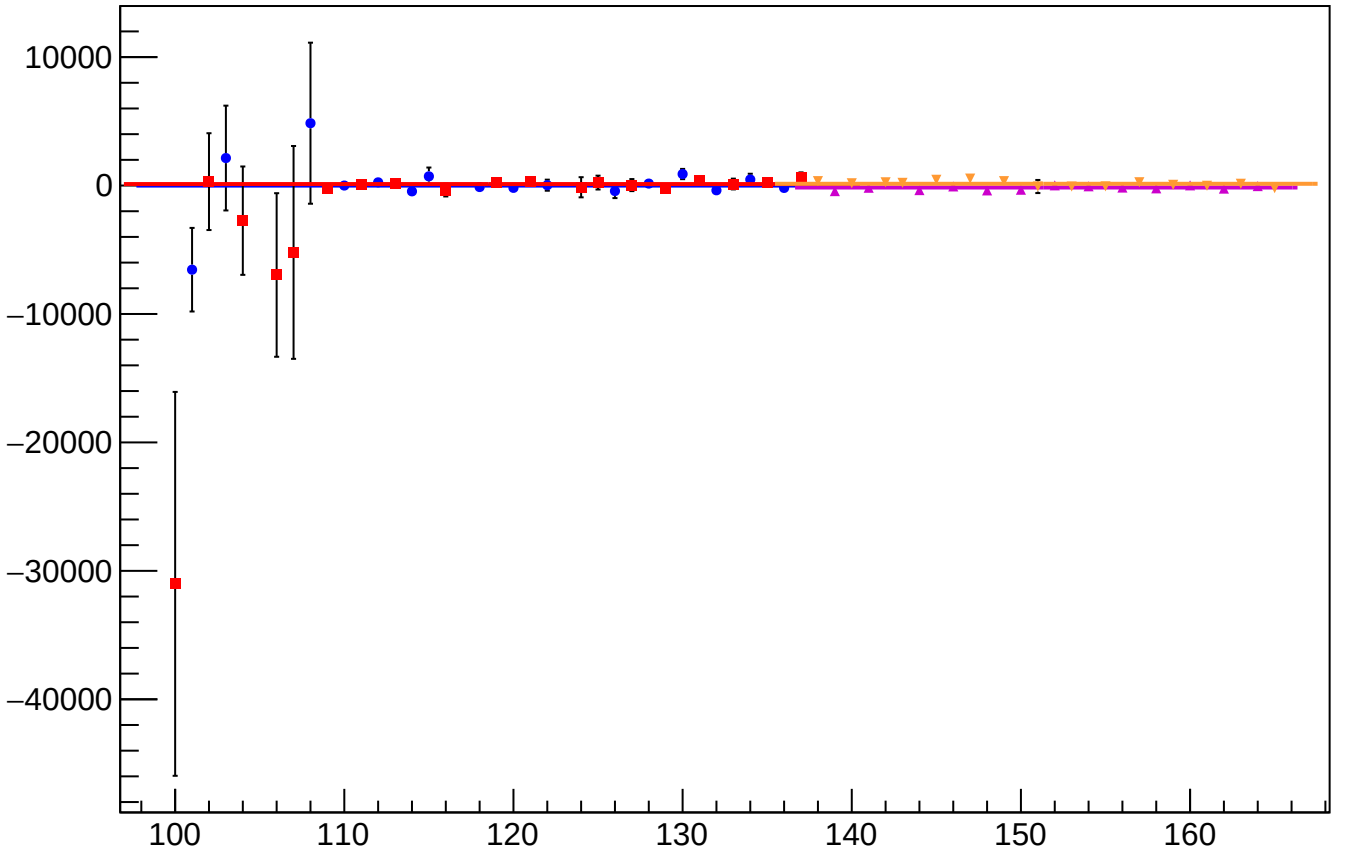
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.202+/-0.006 χ^2/NDF:95553.6/12

+ sign 28.783+/-0.005 χ^2/NDF: 3350520.7/30

All: 28.736+/-0.004 χ^2/NDF: 7024007.9/62

- sign 28.686+/-0.005 χ^2/NDF: 3673294.0/31



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 136.225+/-69.253 χ^2/NDF:7.7/14

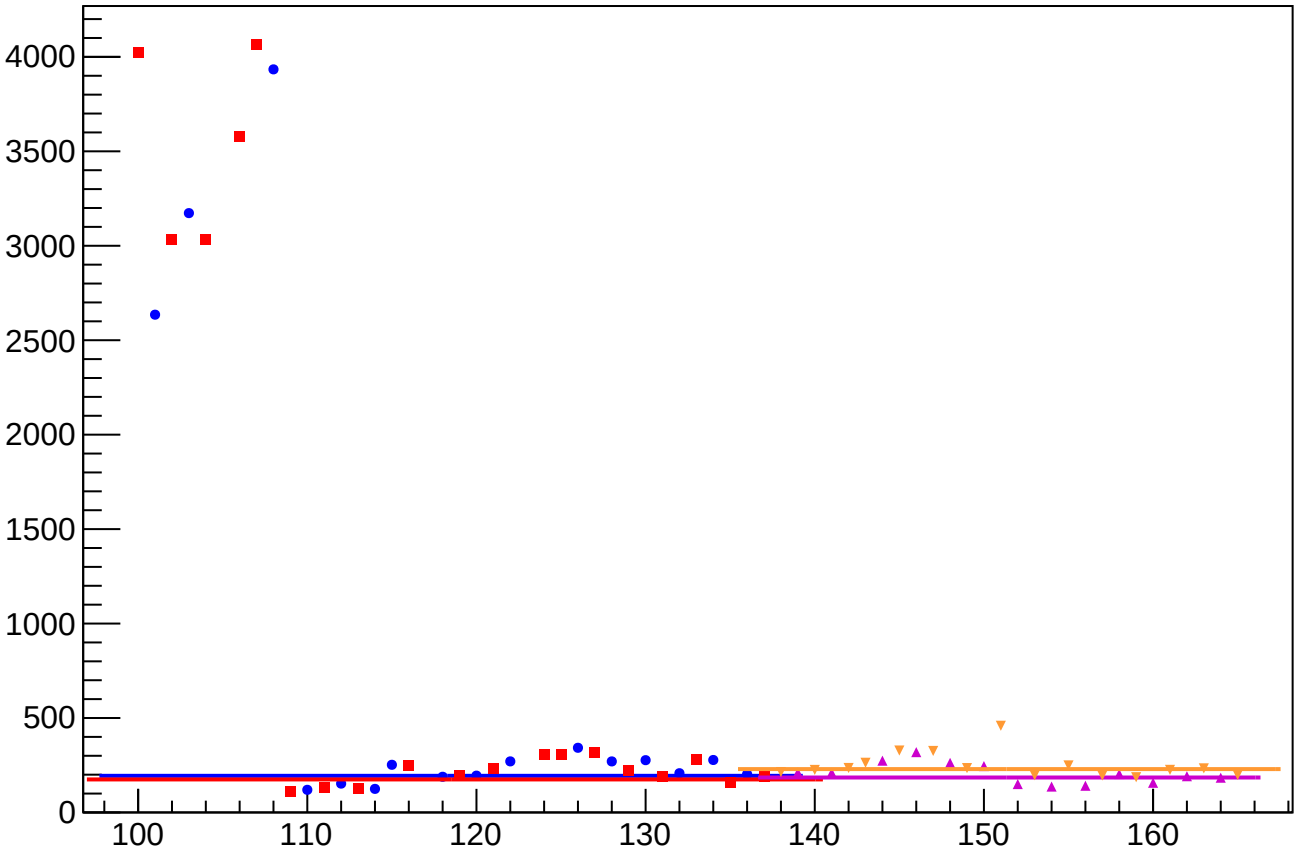
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -153.416+/-59.351 χ^2/NDF:5.4/12

+ sign 81.157+/-53.817 χ^2/NDF: 27.5/30

All: 3.848+/-35.588 χ^2/NDF: 57.8/62

- sign -56.229+/-47.441 χ^2/NDF: 26.7/31



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 229.550+/-0.049 χ^2/NDF:941458.3/14

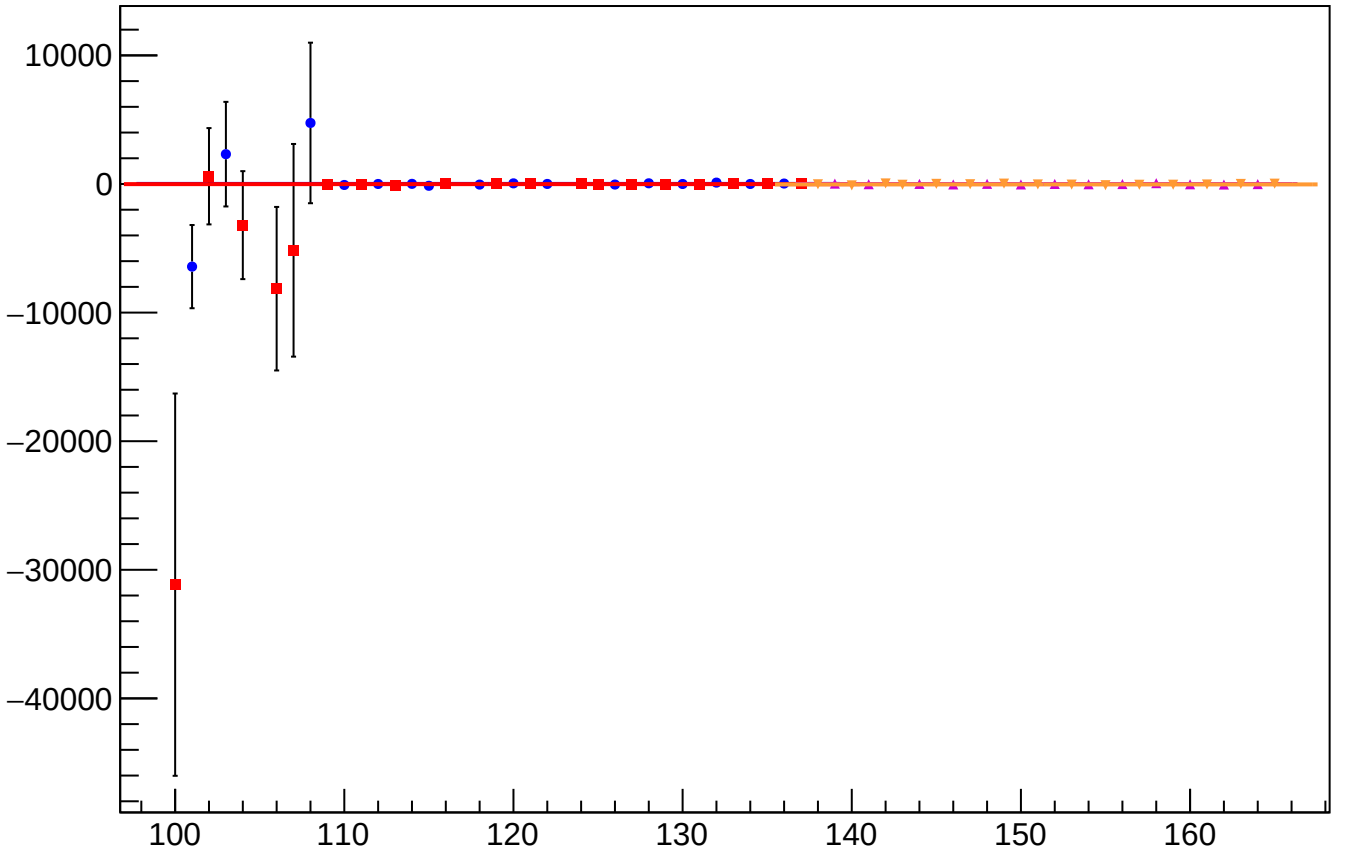
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 184.993+/-0.042 χ^2/NDF:1274064.1/12

+ sign 215.447+/-0.038 χ^2/NDF: 4935321.5/30

All: 196.235+/-0.025 χ^2/NDF: 10943041.0/62

- sign 181.306+/-0.034 χ^2/NDF: 5554774.7/31



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -31.582+/-10.085 χ^2/NDF:16.4/14

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

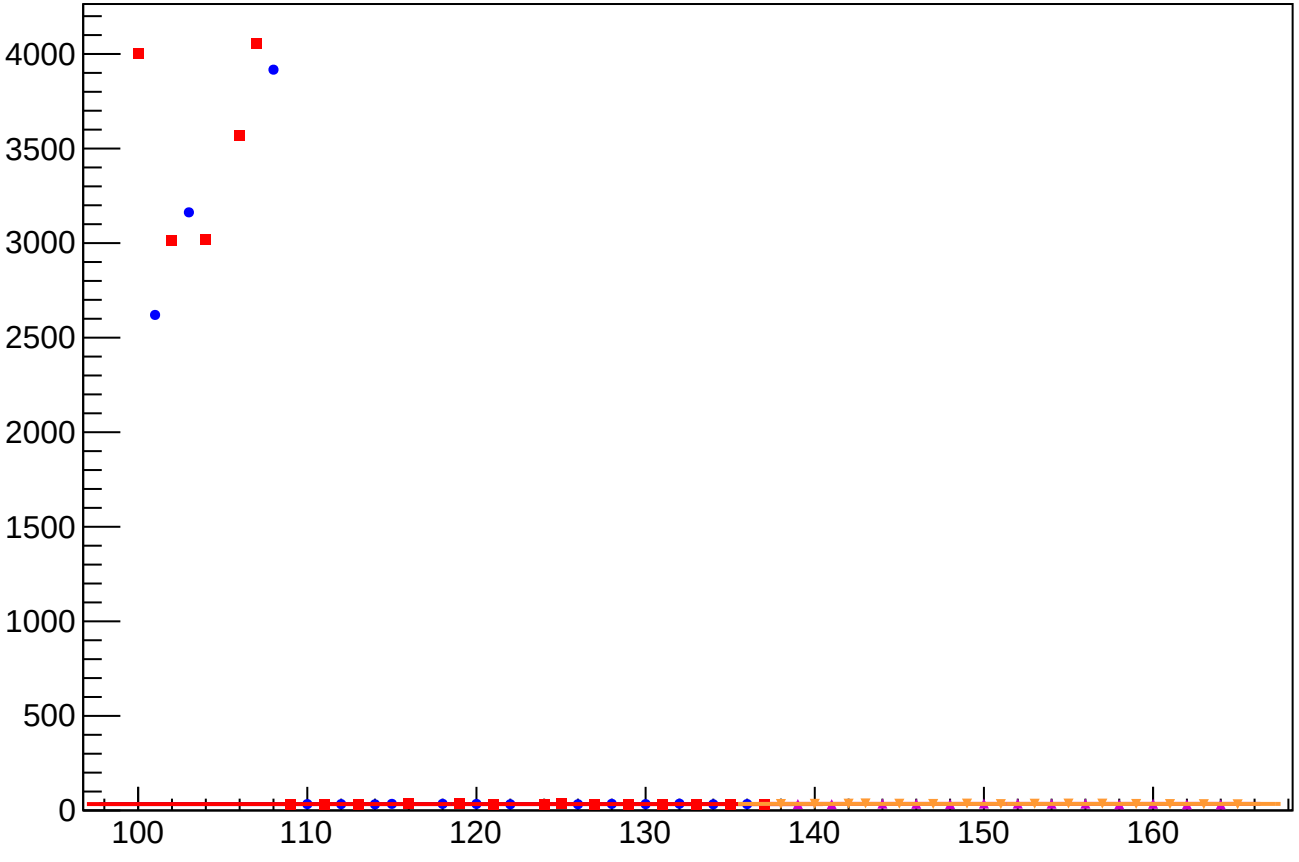
Left In: -3.214+/-10.476 χ^2/NDF:7.8/12

+ sign -19.217+/-8.243 χ^2/NDF: 38.4/30

All: -12.579+/-5.910 χ^2/NDF: 71.1/62

- sign -5.556+/-8.478 χ^2/NDF: 31.4/31

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.620+/-0.007 χ^2/NDF:30685.2/14

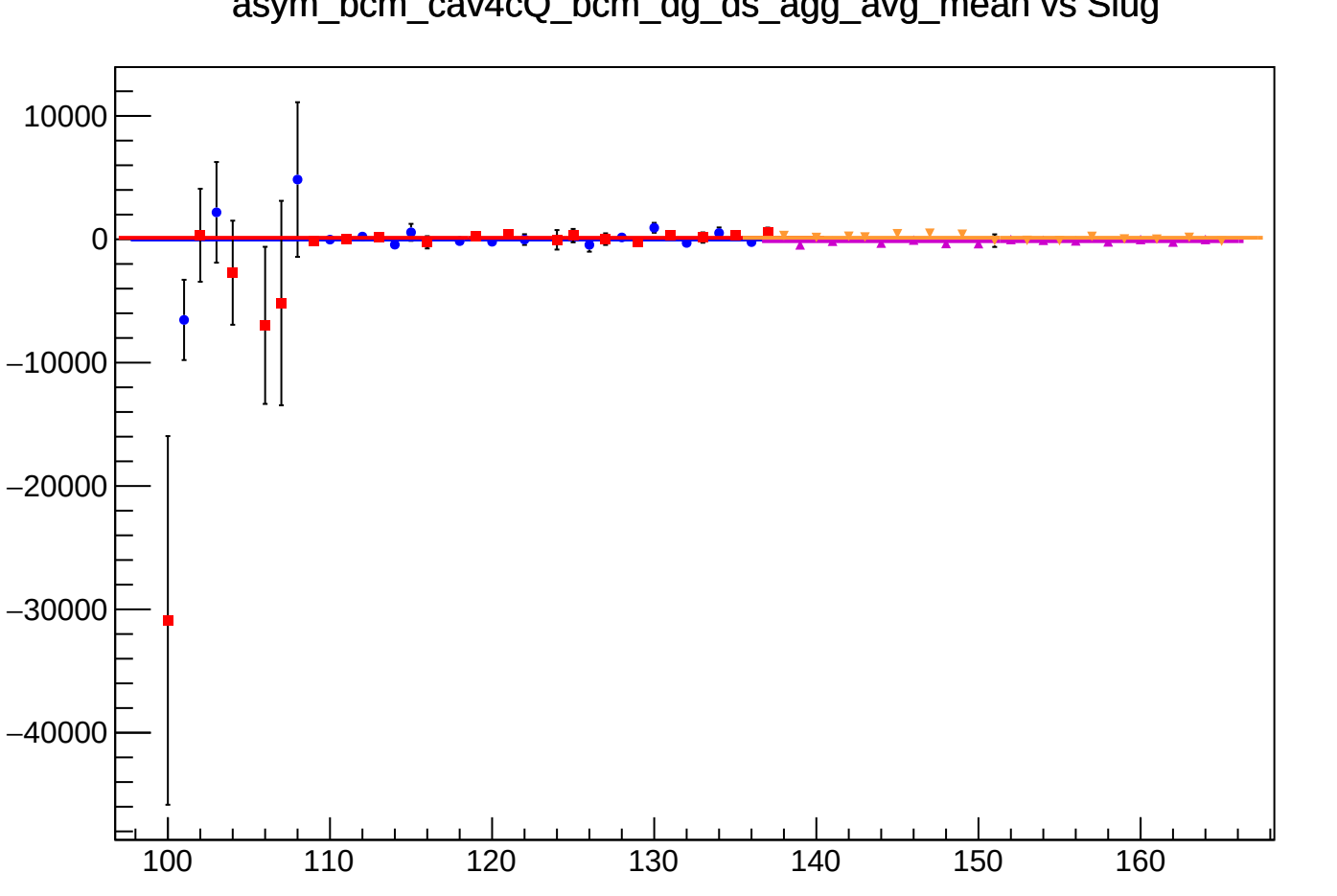
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.623+/-0.007 χ^2/NDF:41952.7/12

+ sign 34.381+/-0.006 χ^2/NDF: 3278460.3/30

All: 34.348+/-0.004 χ^2/NDF: 6851996.3/62

- sign 34.313+/-0.006 χ^2/NDF: 3573470.3/31



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 123.170+/-69.090 χ^2/NDF:7.5/14

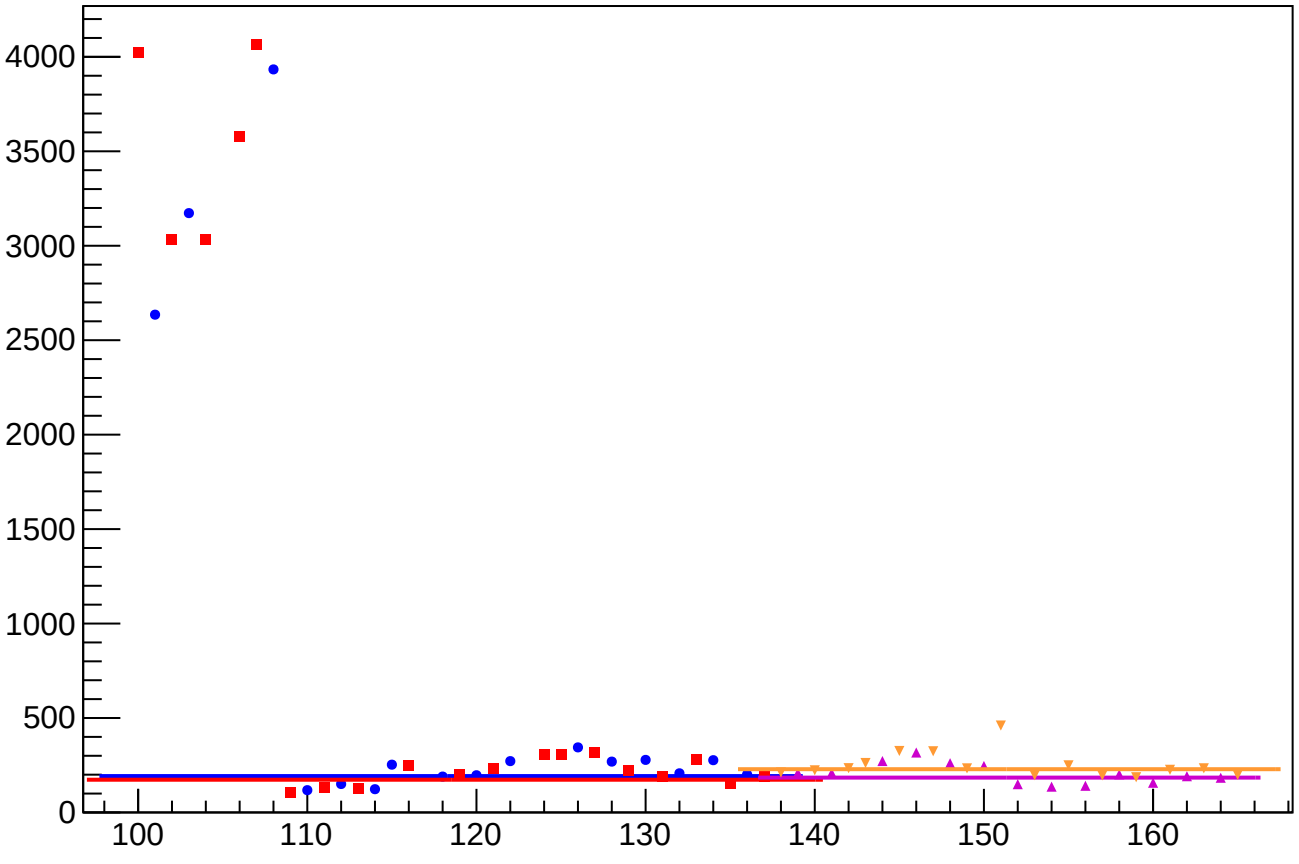
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -149.850+/-59.170 χ^2/NDF:4.8/12

+ sign 66.453+/-53.629 χ^2/NDF: 27.3/30

All: -0.267+/-35.449 χ^2/NDF: 55.7/62

- sign -52.038+/-47.241 χ^2/NDF: 25.6/31



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.014+/-0.049 χ^2/NDF:935425.0/14

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

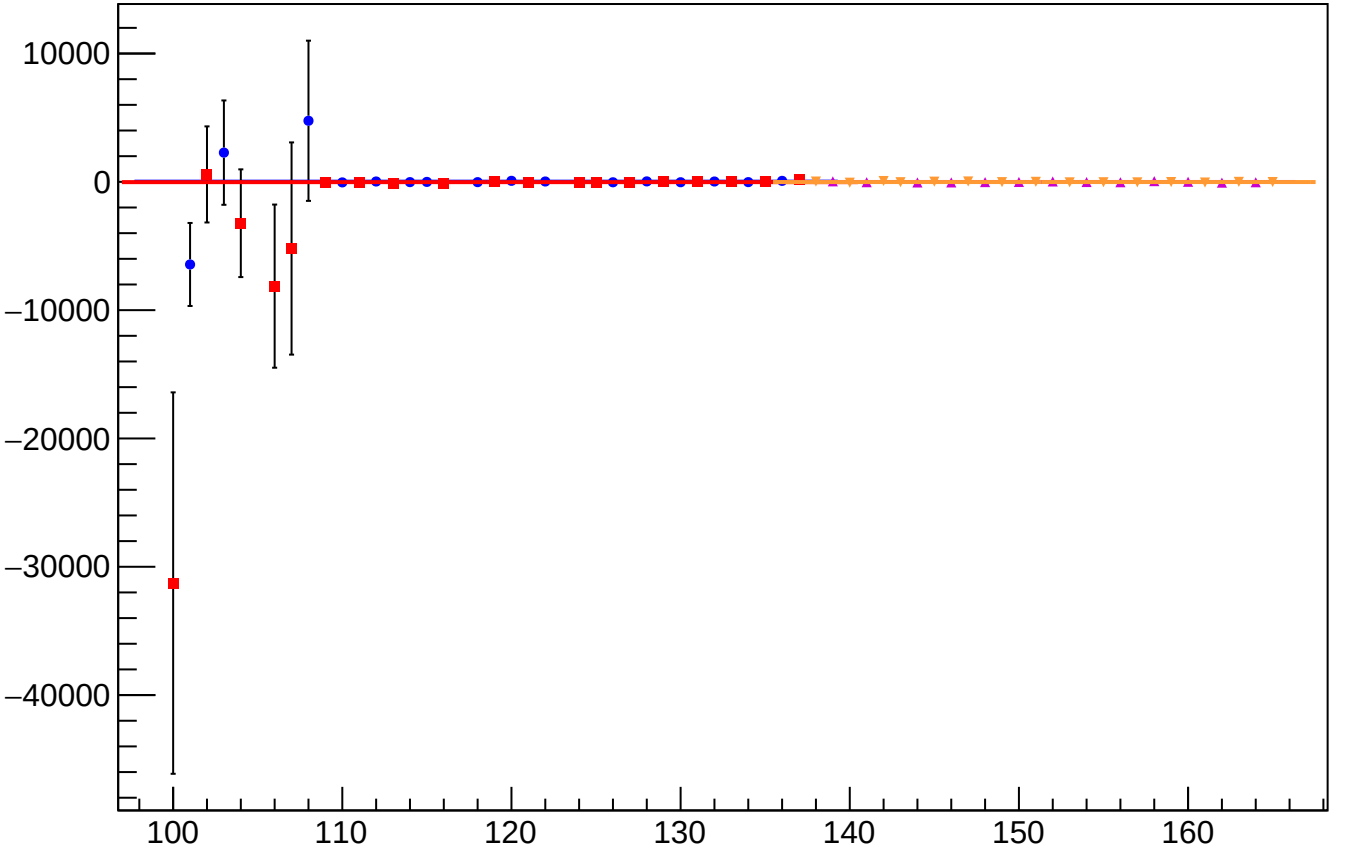
Left In: 184.447+/-0.042 χ^2/NDF:1259604.0/12

+ sign 214.524+/-0.038 χ^2/NDF: 4979523.5/30

All: 195.302+/-0.025 χ^2/NDF: 11028818.1/62

- sign 180.387+/-0.033 χ^2/NDF: 5592997.9/31

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: -15.759+/-9.143 χ^2/NDF:11.6/14

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

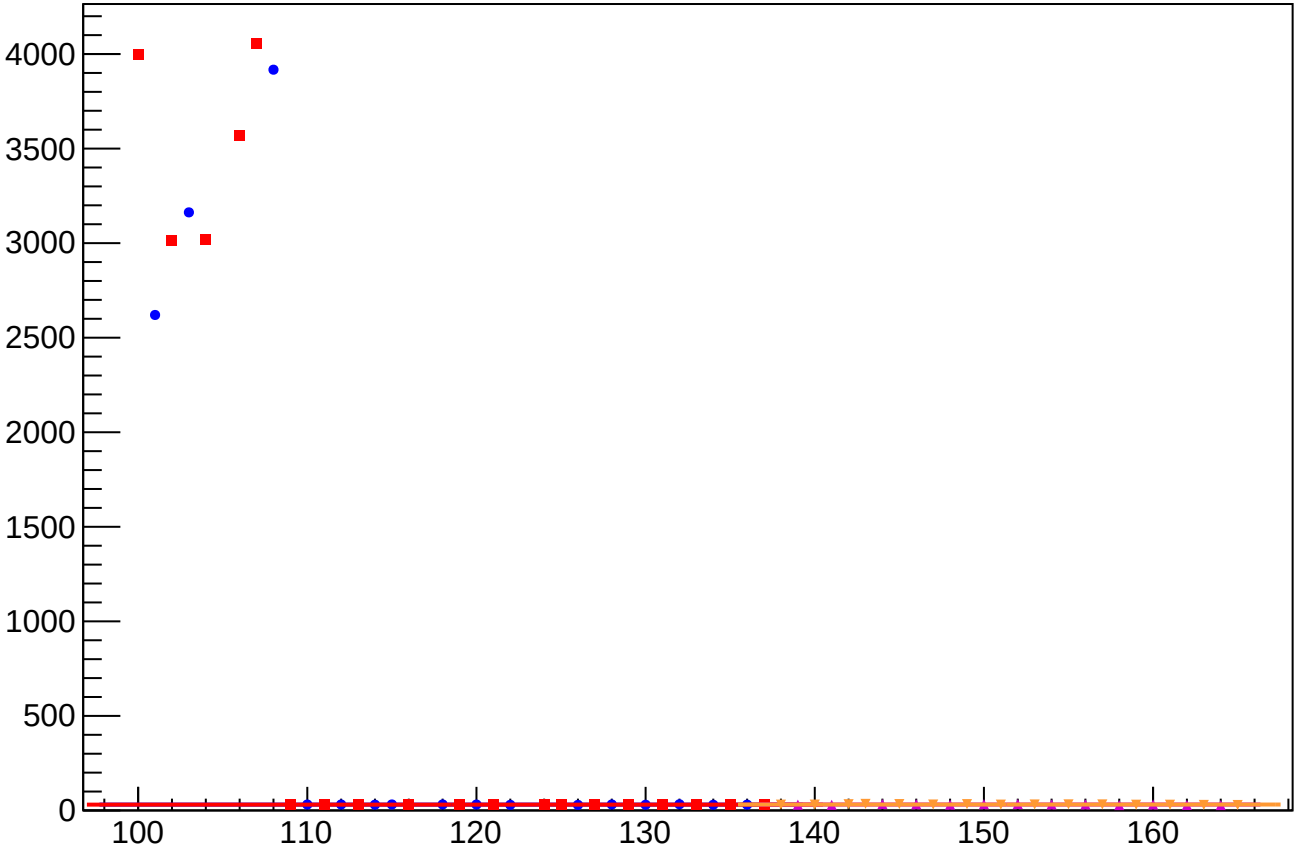
Left In: -10.555+/-9.487 χ^2/NDF:14.0/12

+ sign -6.068+/-7.490 χ^2/NDF: 30.4/30

All: -10.353+/-5.369 χ^2/NDF: 74.4/62

- sign -14.880+/-7.700 χ^2/NDF: 43.3/31

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.349+/-0.006 χ^2/NDF:56847.3/14

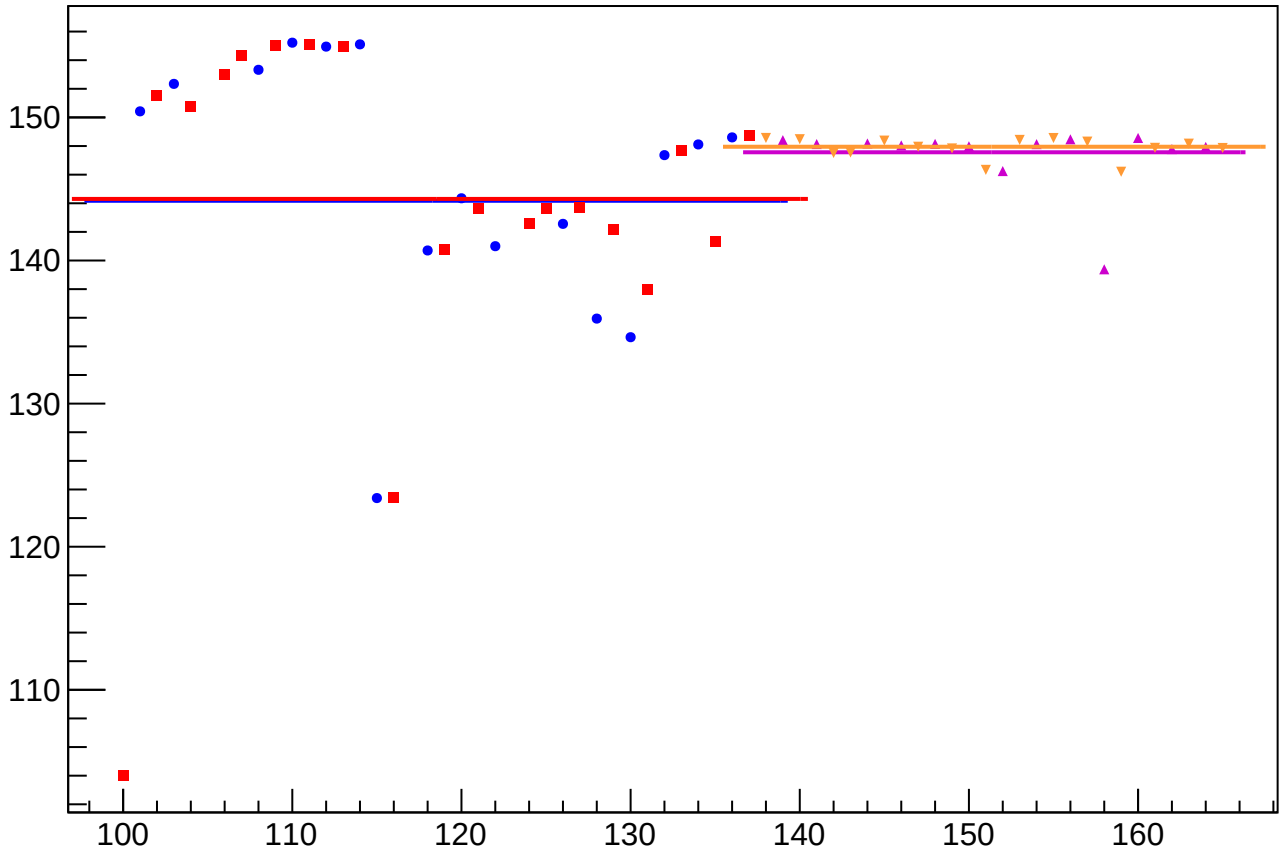
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.304+/-0.007 χ^2/NDF:74911.5/12

+ sign 31.211+/-0.005 χ^2/NDF: 3310848.3/30

All: 31.169+/-0.004 χ^2/NDF: 6924229.1/62

- sign 31.124+/-0.005 χ^2/NDF: 3613250.0/31



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.951+/-0.000 χ^2/NDF:32724865.1/14

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

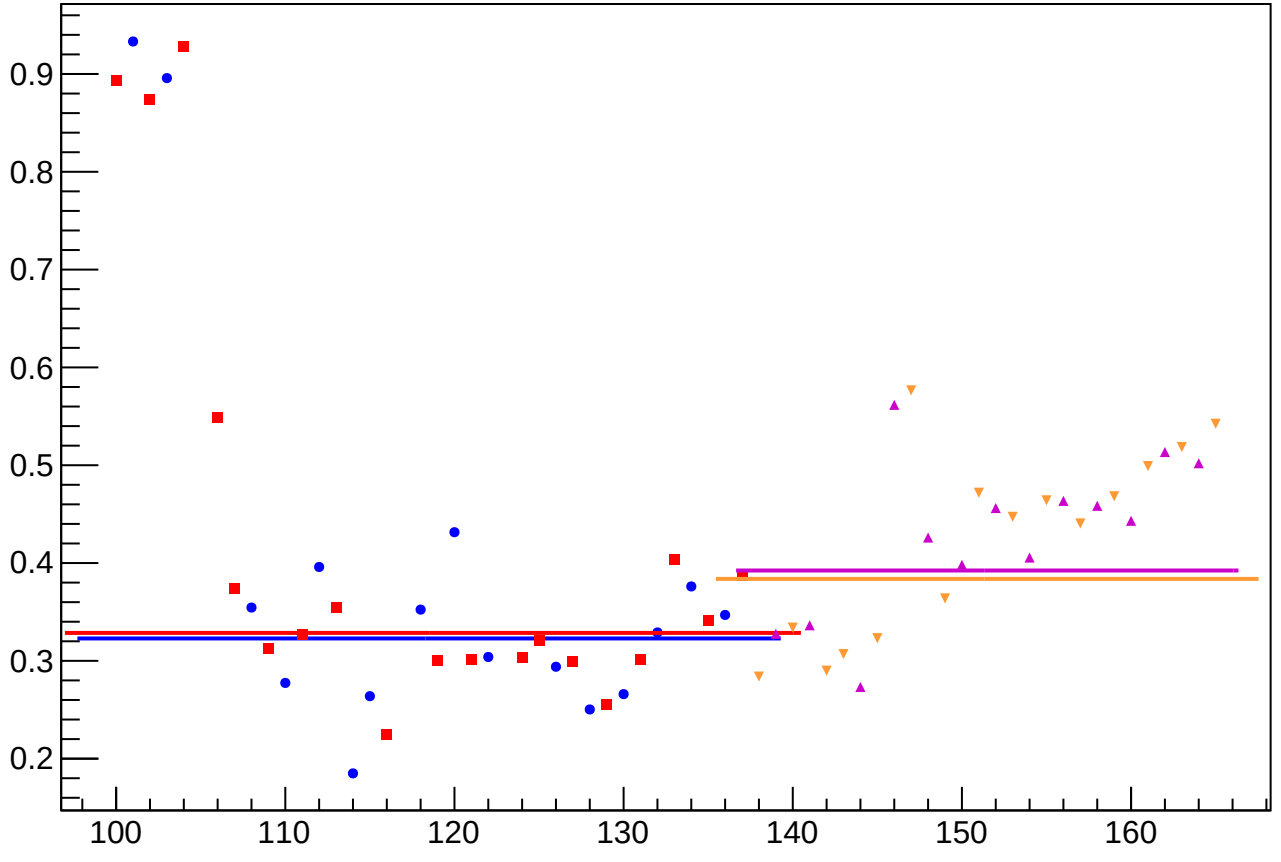
Left In: 147.564+/-0.000 χ^2/NDF:284672720.0/12

+ sign 146.292+/-0.000 χ^2/NDF: 4213327674.8/30

All: 146.176+/-0.000 χ^2/NDF: 9087684151.6

- sign 146.052+/-0.000 χ^2/NDF: 4870715323.9/31

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.384+/-0.000 χ^2/NDF:1149862.2/14

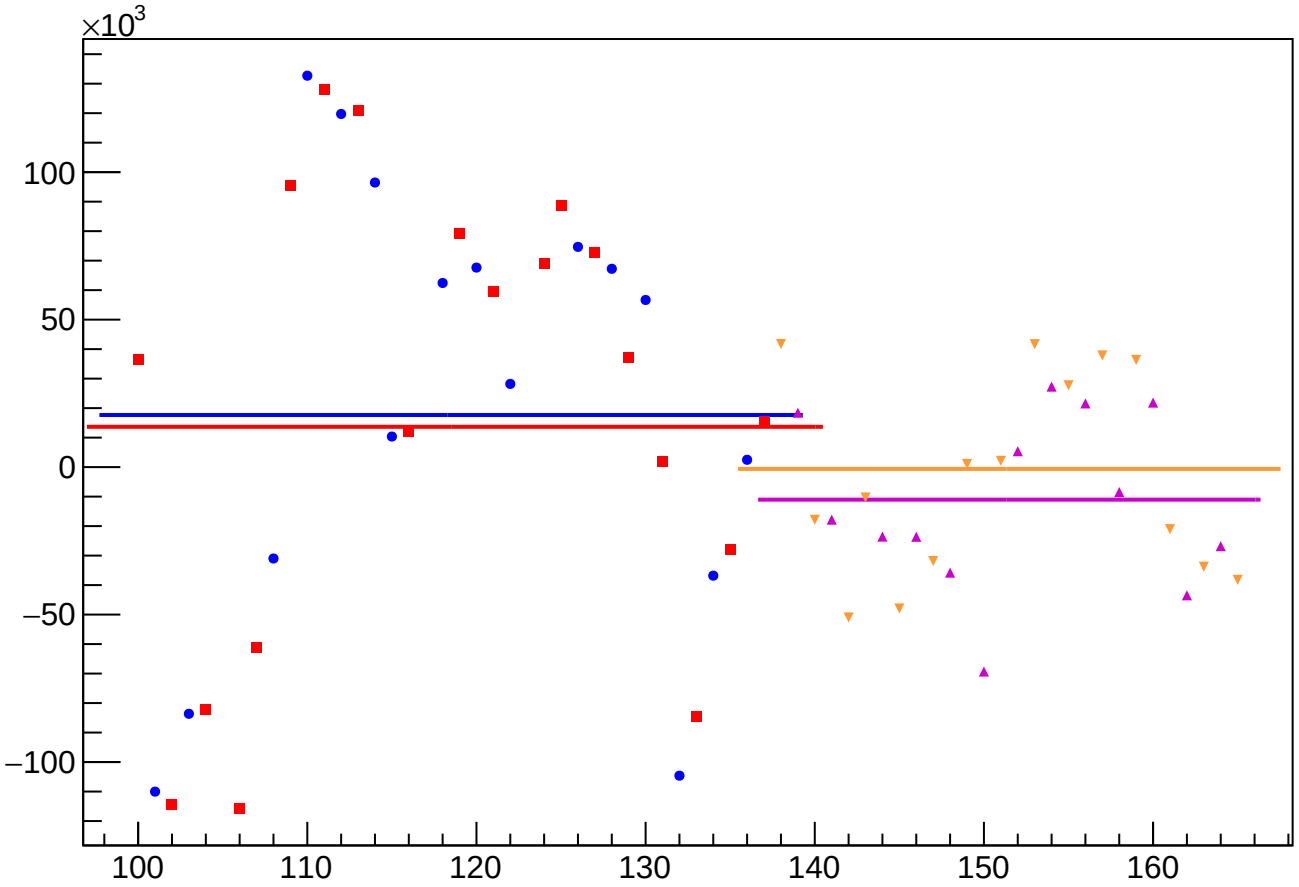
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.392+/-0.000 χ^2/NDF:873013.7/12

+ sign 0.357+/-0.000 χ^2/NDF: 2783246.8/30

All: 0.360+/-0.000 χ^2/NDF: 5210958.5/62

- sign 0.363+/-0.000 χ^2/NDF: 2423579.7/31



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -617.701+/-1.432 χ^2/NDF:510240184.6/14

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

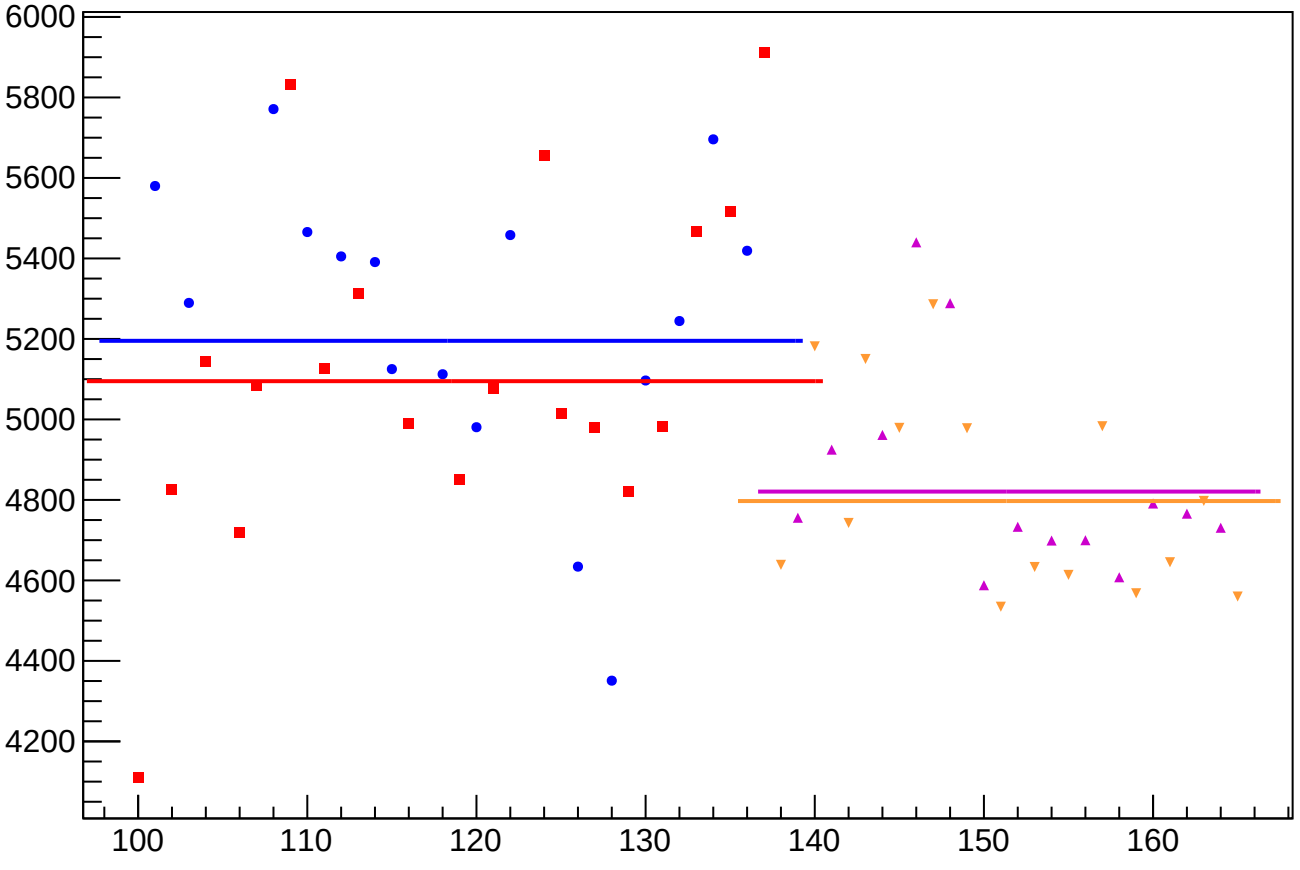
Left In: -11032.865+/-1.497 χ^2/NDF:384706925.5/12

+ sign 5554.371+/-1.165 χ^2/NDF: 1964018909.6/30

All: 1963.731+/-0.830 χ^2/NDF: 4327557075.

- sign -1727.499+/-1.182 χ^2/NDF: 2344283359.7/31

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4797.154+/-1.012 χ^2/NDF:55864.8/14

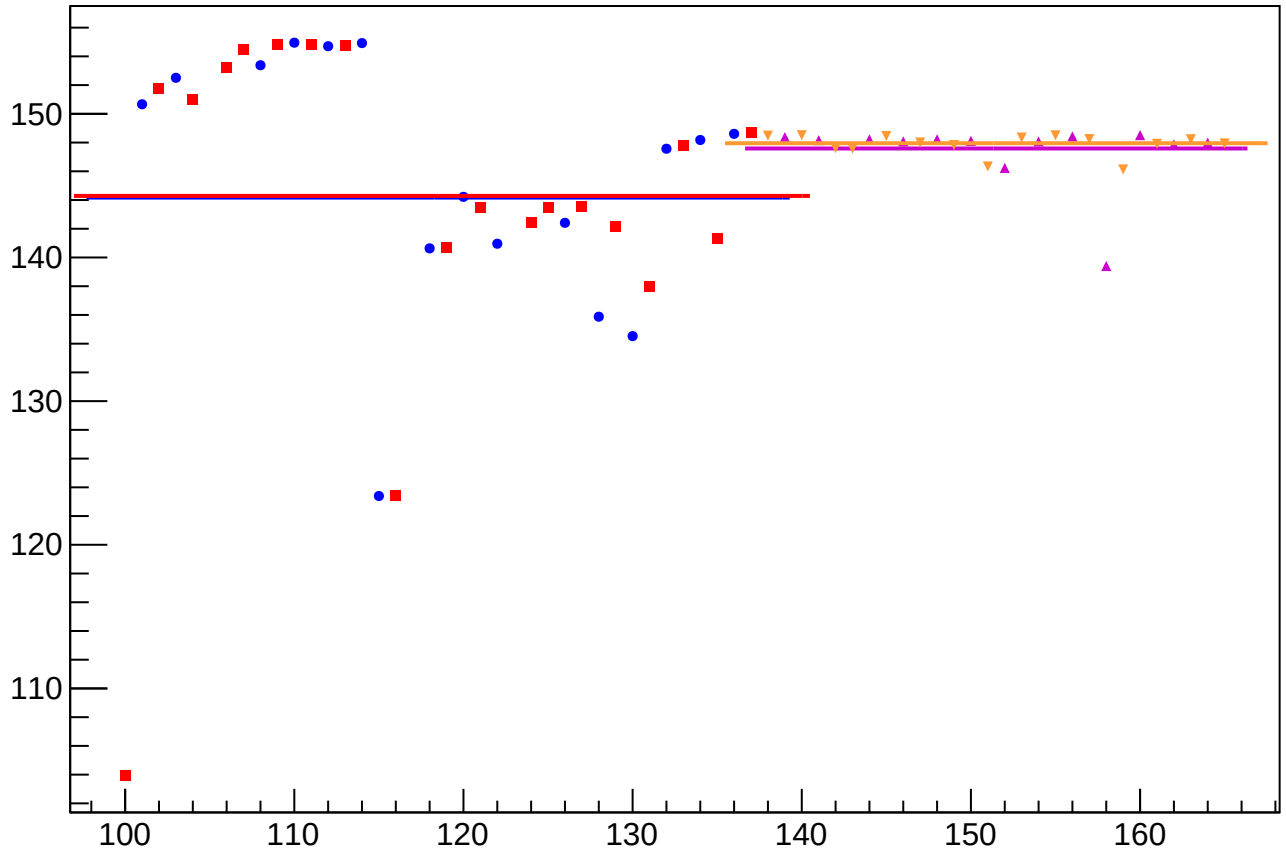
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4820.704+/-1.058 χ^2/NDF:46799.2/12

+ sign 4931.573+/-0.824 χ^2/NDF: 185242.3/30

All: 4927.870+/-0.587 χ^2/NDF: 316514.1/62

- sign 4924.063+/-0.835 χ^2/NDF: 131230.8/31



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.954+/-0.000 χ^2/NDF:32790303.4/14

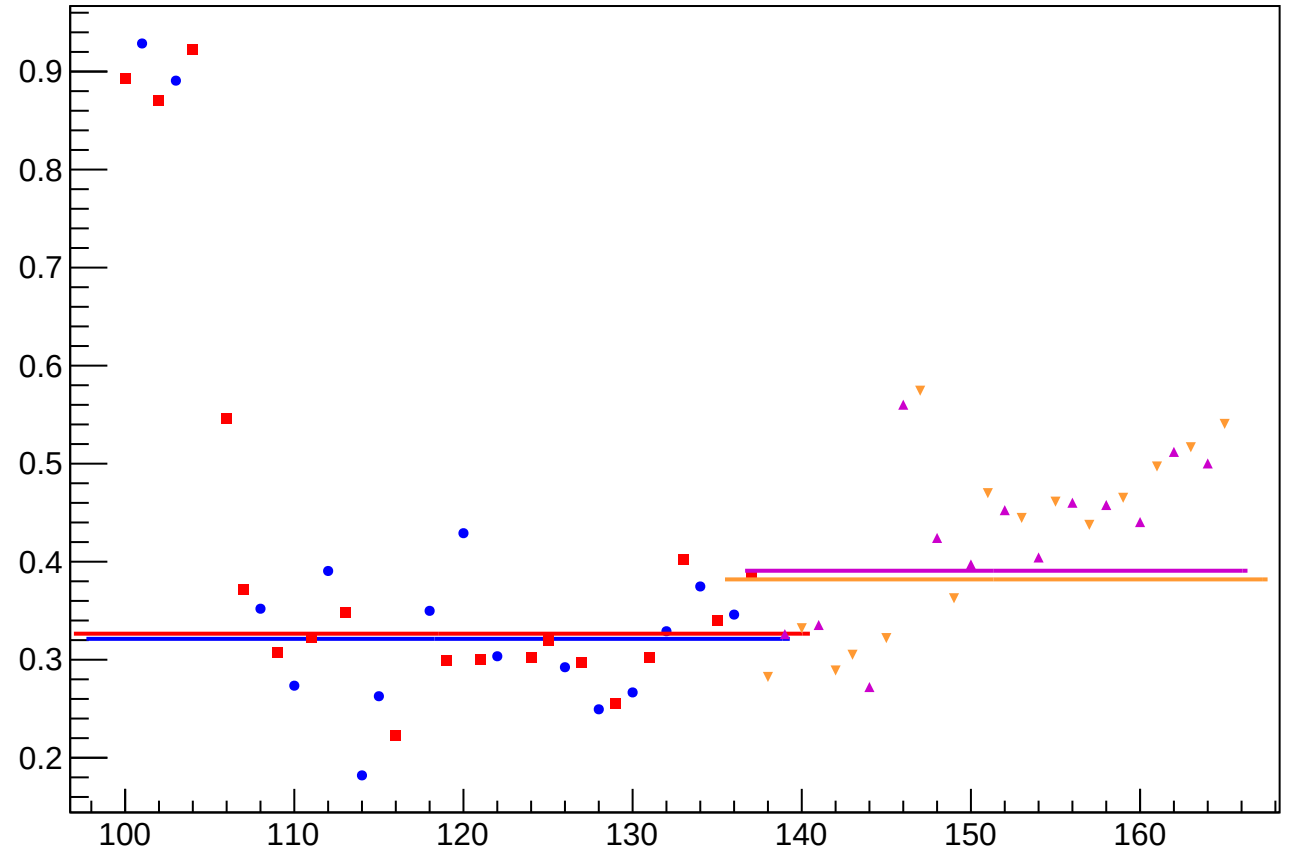
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.588+/-0.000 χ^2/NDF:285822610.8/12

+ sign 146.292+/-0.000 χ^2/NDF: 4259887857.0/30

All: 146.176+/-0.000 χ^2/NDF: 9172846791.5

- sign 146.053+/-0.000 χ^2/NDF: 4909338554.0/31



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.382+/-0.000 χ^2/NDF:1150123.0/14

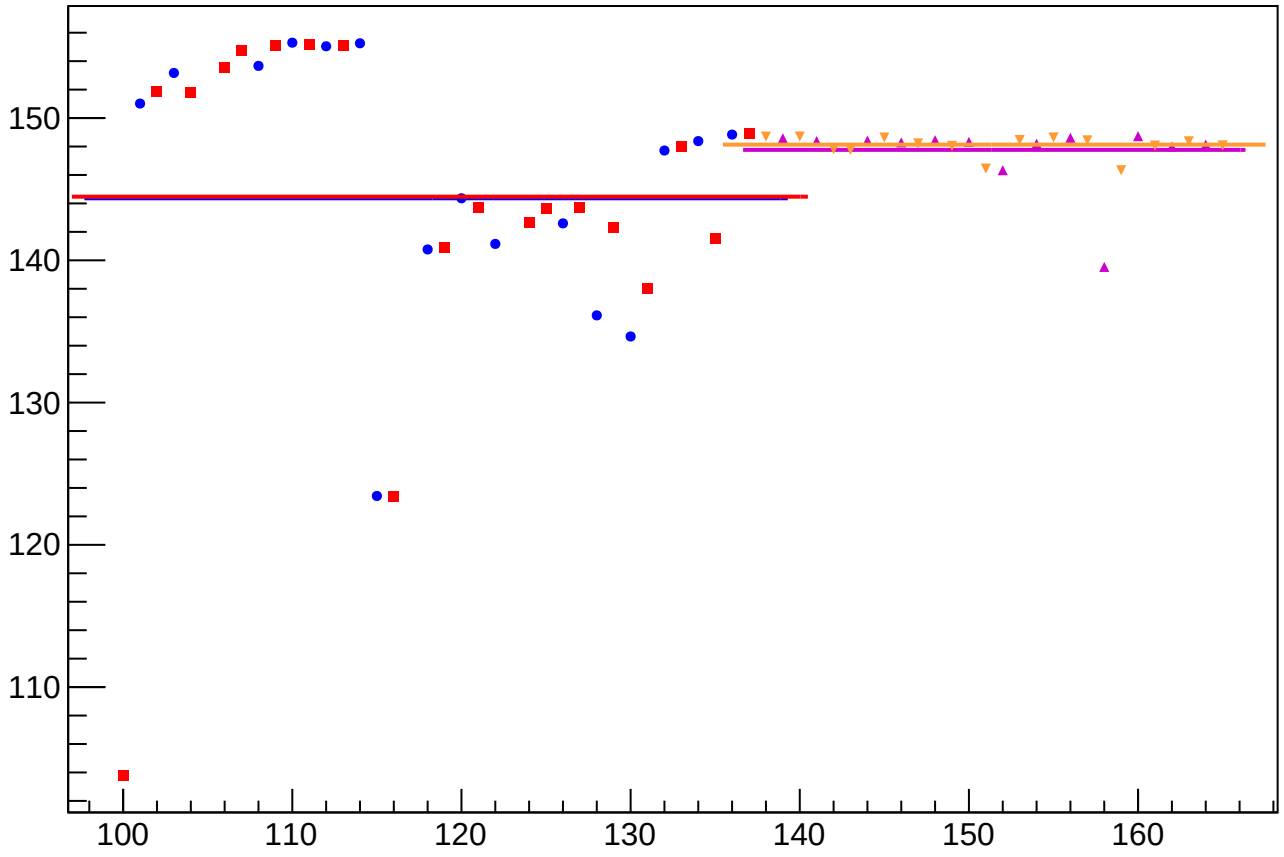
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.391+/-0.000 χ^2/NDF:871956.6/12

+ sign 0.355+/-0.000 χ^2/NDF: 2784066.9/30

All: 0.358+/-0.000 χ^2/NDF: 5214927.9/62

- sign 0.361+/-0.000 χ^2/NDF: 2426835.4/31



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.132+/-0.000 χ^2/NDF:32772346.8/14

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

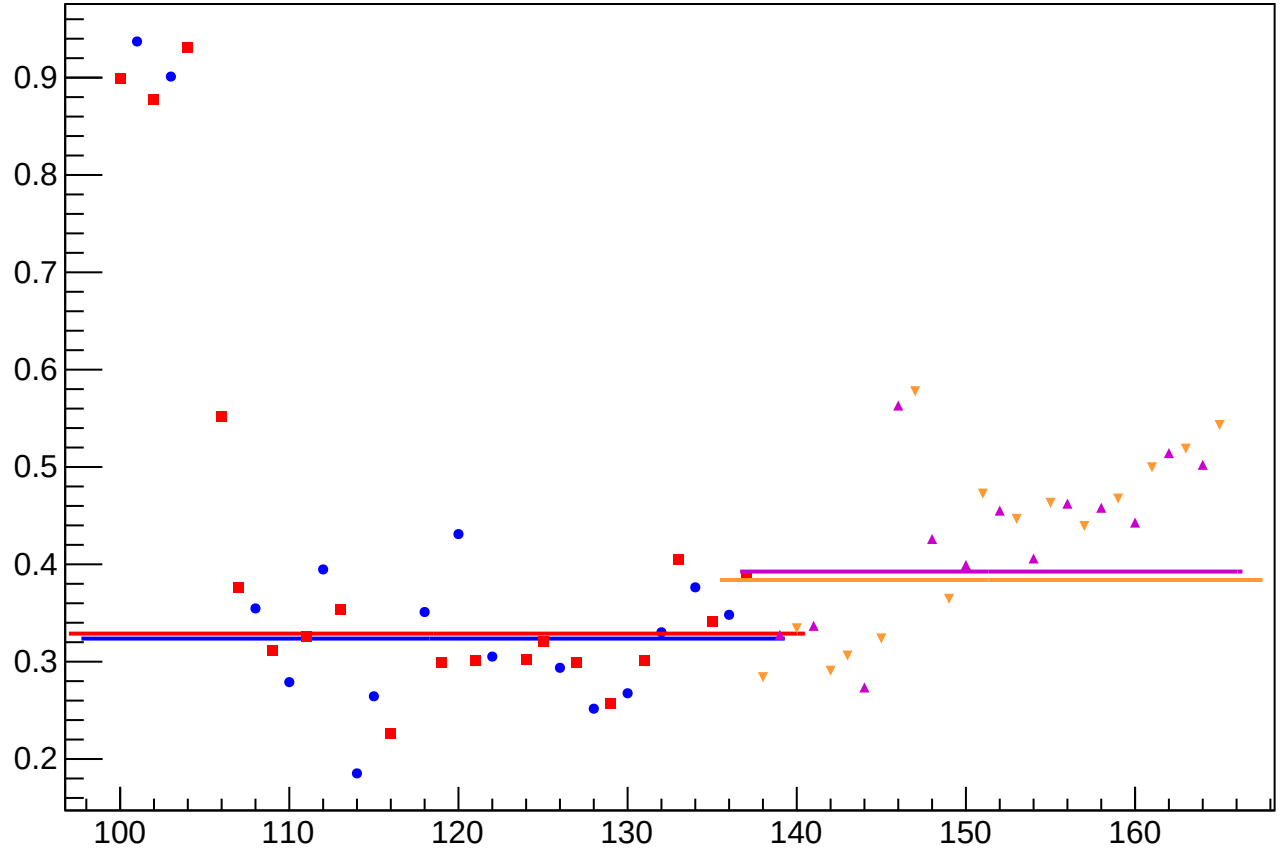
Left In: 147.764+/-0.000 χ^2/NDF:290041088.2/12

+ sign 146.479+/-0.000 χ^2/NDF: 4245258789.6/30

All: 146.363+/-0.000 χ^2/NDF: 9148018942.1

- sign 146.239+/-0.000 χ^2/NDF: 4899137856.5/31

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.384+/-0.000 χ^2/NDF:1147926.2/14

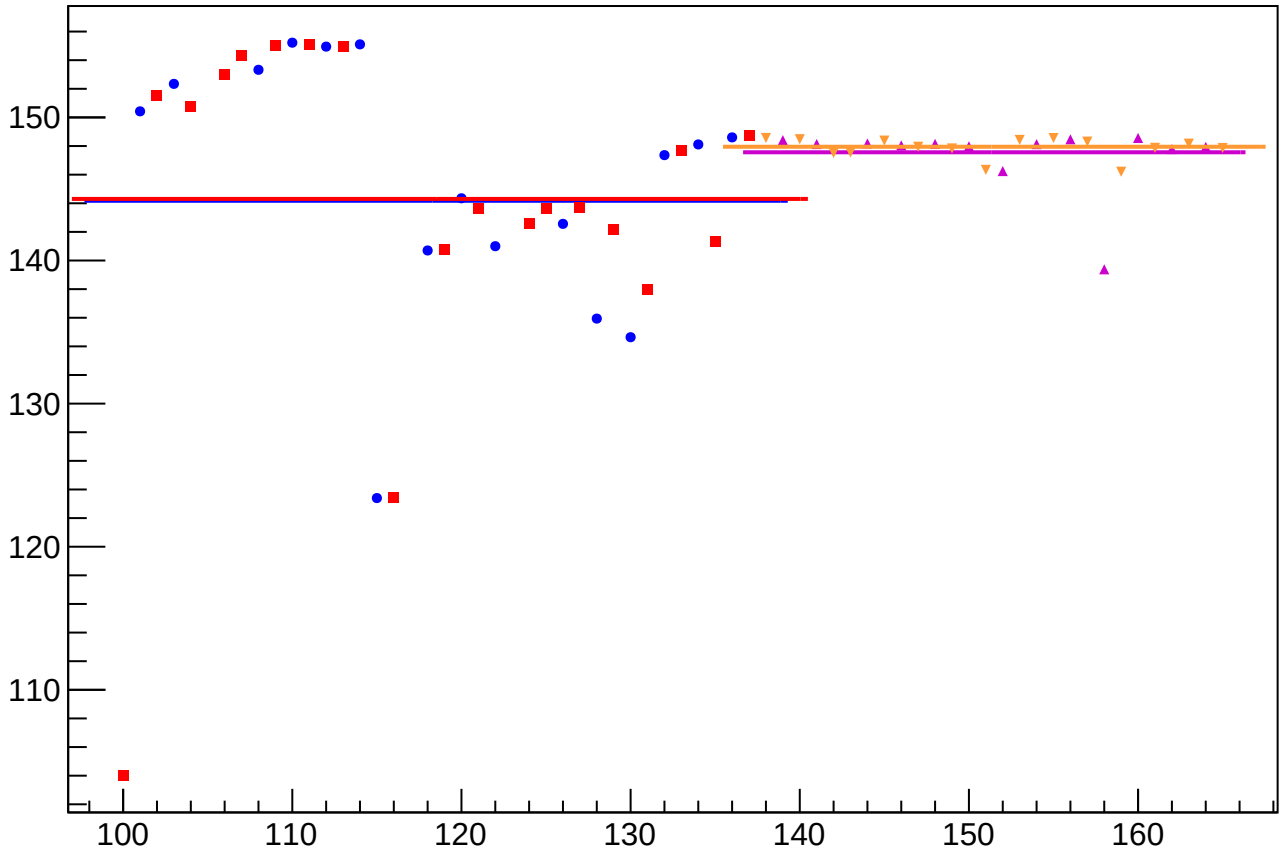
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.393+/-0.000 χ^2/NDF:870613.9/12

+ sign 0.358+/-0.000 χ^2/NDF: 2771645.3/30

All: 0.360+/-0.000 χ^2/NDF: 5194981.8/62

- sign 0.363+/-0.000 χ^2/NDF: 2419570.2/31



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.951+/-0.000 χ^2/NDF:32724865.1/14

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

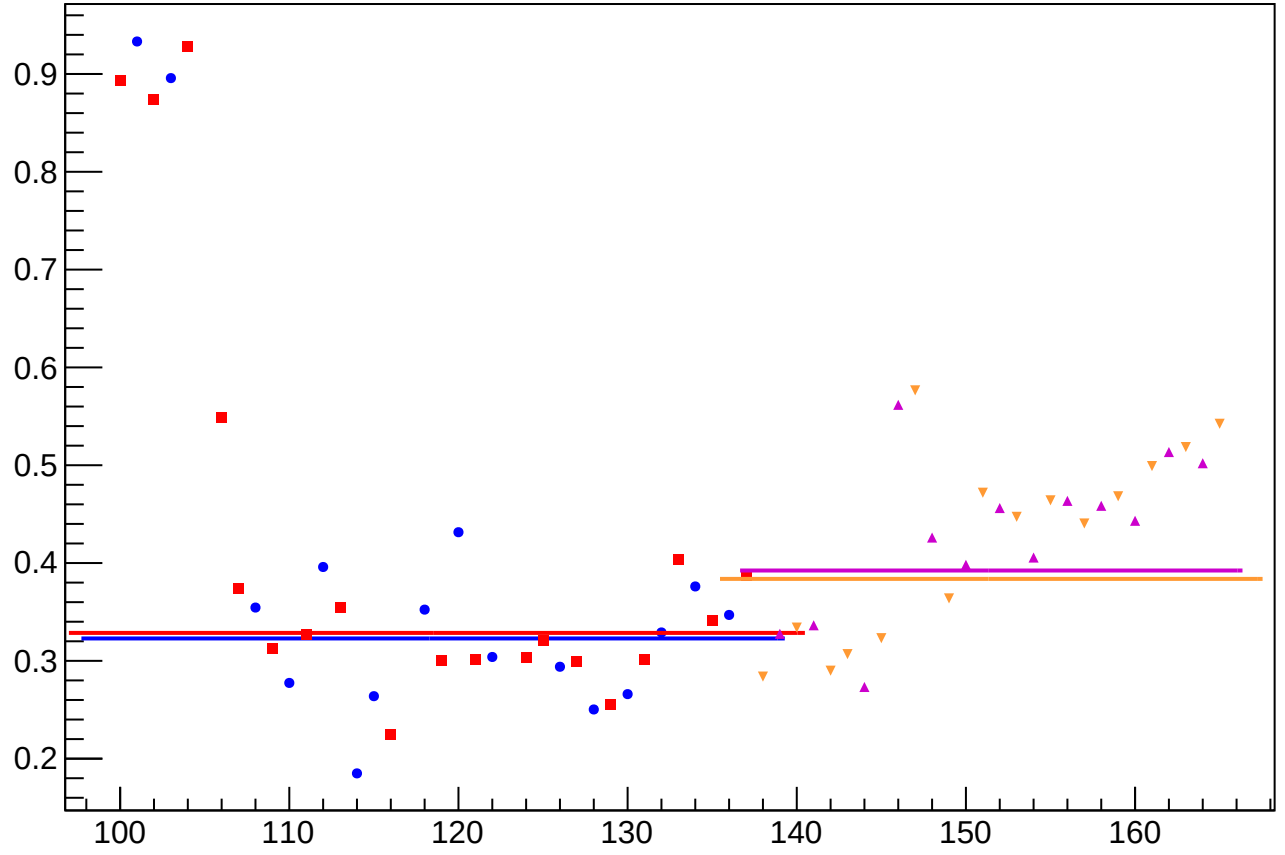
Left In: 147.564+/-0.000 χ^2/NDF:284672720.0/12

+ sign 146.292+/-0.000 χ^2/NDF: 4213327674.8/30

All: 146.176+/-0.000 χ^2/NDF: 9087684151.6

- sign 146.052+/-0.000 χ^2/NDF: 4870715323.9/31

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.384+/-0.000 χ^2/NDF:1149862.2/14

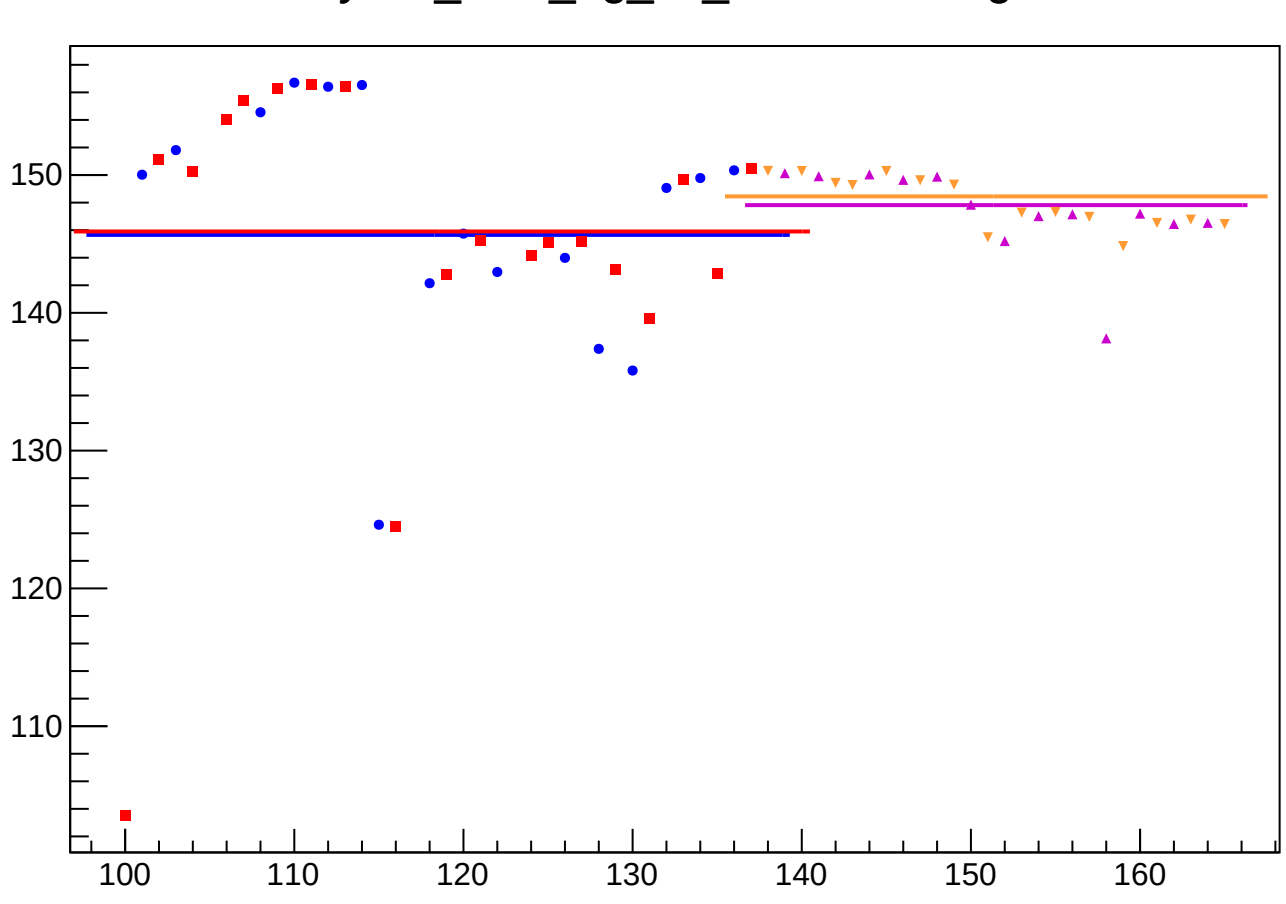
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.392+/-0.000 χ^2/NDF:873013.7/12

+ sign 0.357+/-0.000 χ^2/NDF: 2783246.8/30

All: 0.360+/-0.000 χ^2/NDF: 5210958.5/62

- sign 0.363+/-0.000 χ^2/NDF: 2423579.7/31



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.450+/-0.000 χ^2/NDF:213414116.6/14

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

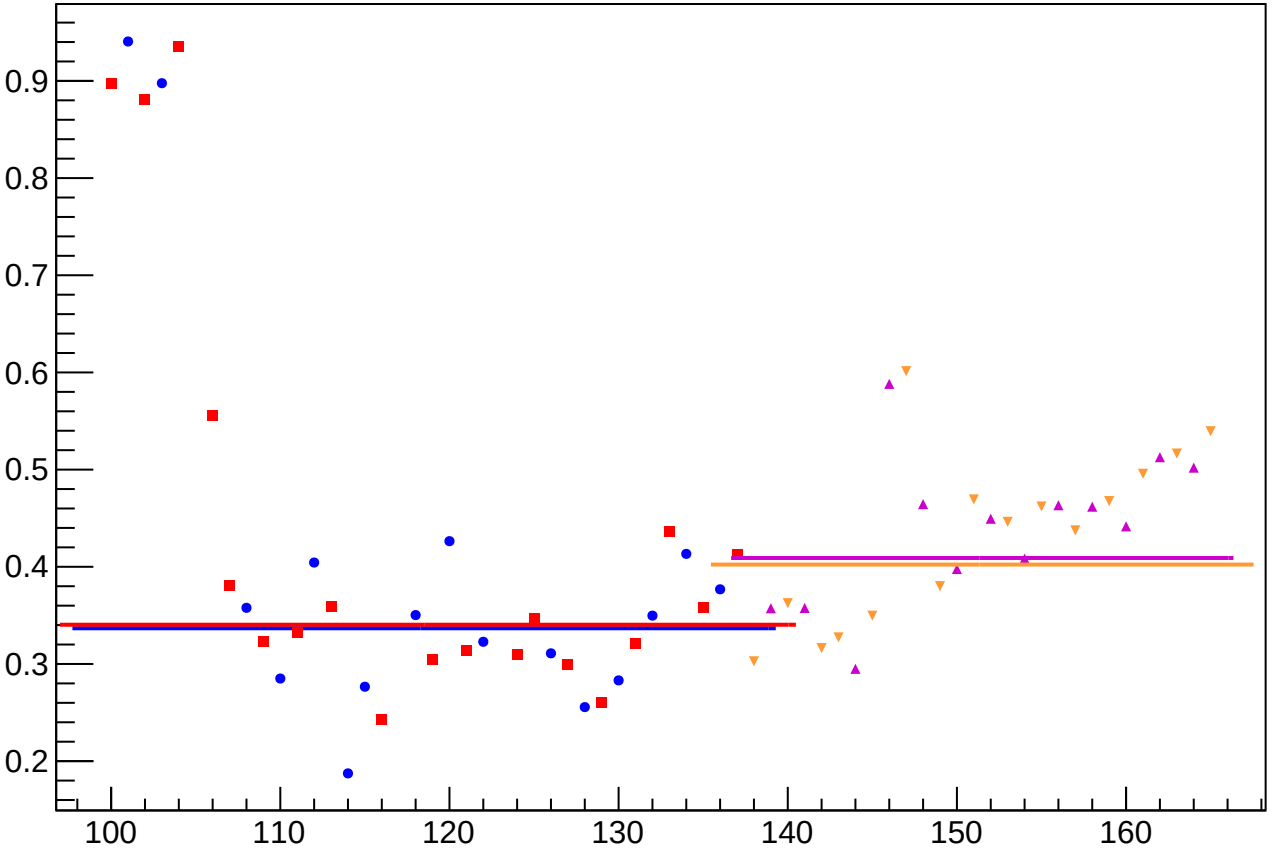
Left In: 147.816+/-0.000 χ^2/NDF:528490335.0/12

+ sign 147.223+/-0.000 χ^2/NDF: 3924349184.2/30

All: 147.079+/-0.000 χ^2/NDF: 8423808819.2

- sign 146.928+/-0.000 χ^2/NDF: 4494412650.7/31

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.402+/-0.000 χ^2/NDF:859294.8/14

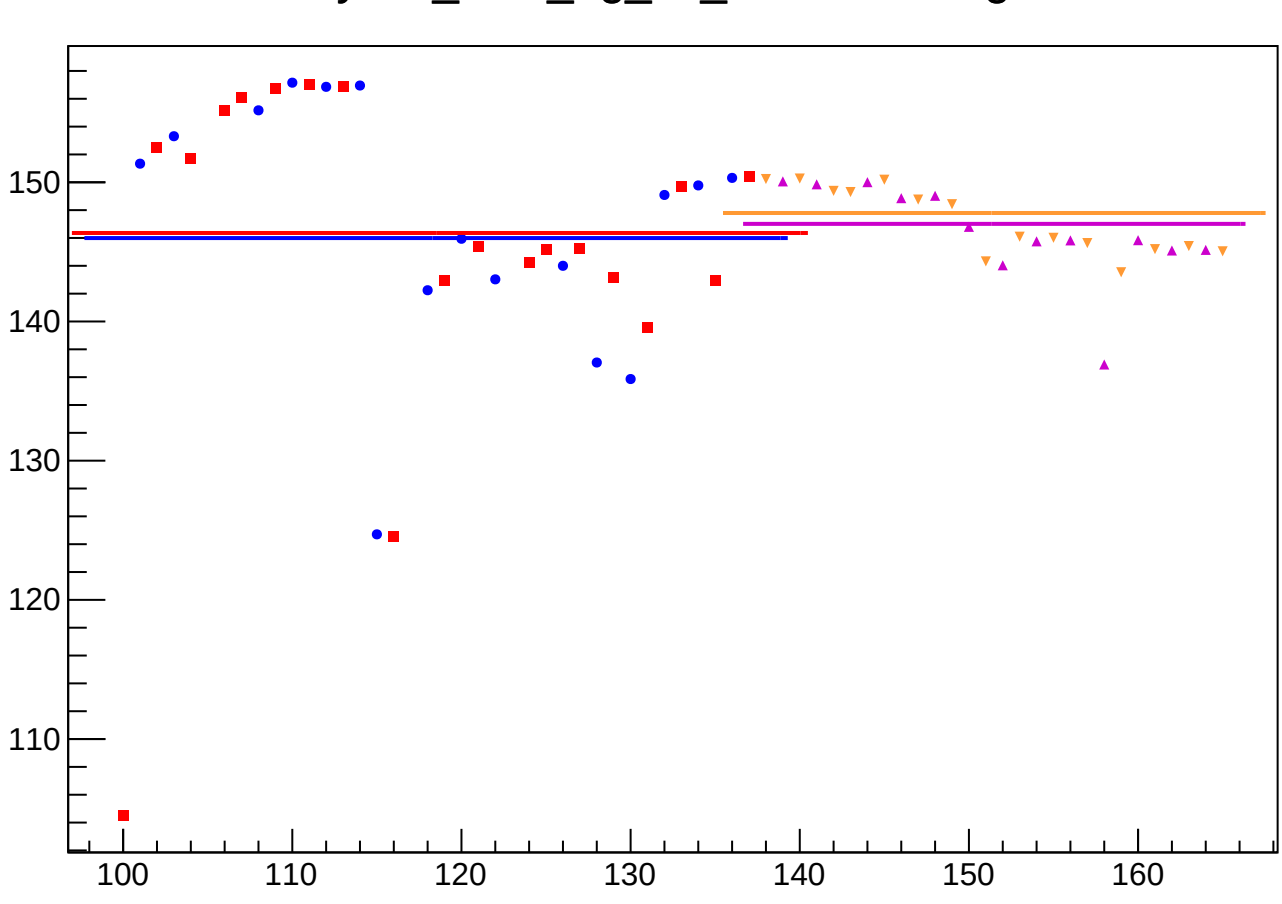
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.409+/-0.000 χ^2/NDF:675645.4/12

+ sign 0.373+/-0.000 χ^2/NDF: 2482496.2/30

All: 0.375+/-0.000 χ^2/NDF: 4700151.4/62

- sign 0.377+/-0.000 χ^2/NDF: 2216090.6/31



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.795+/-0.000 χ^2/NDF:359639533.3/14

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

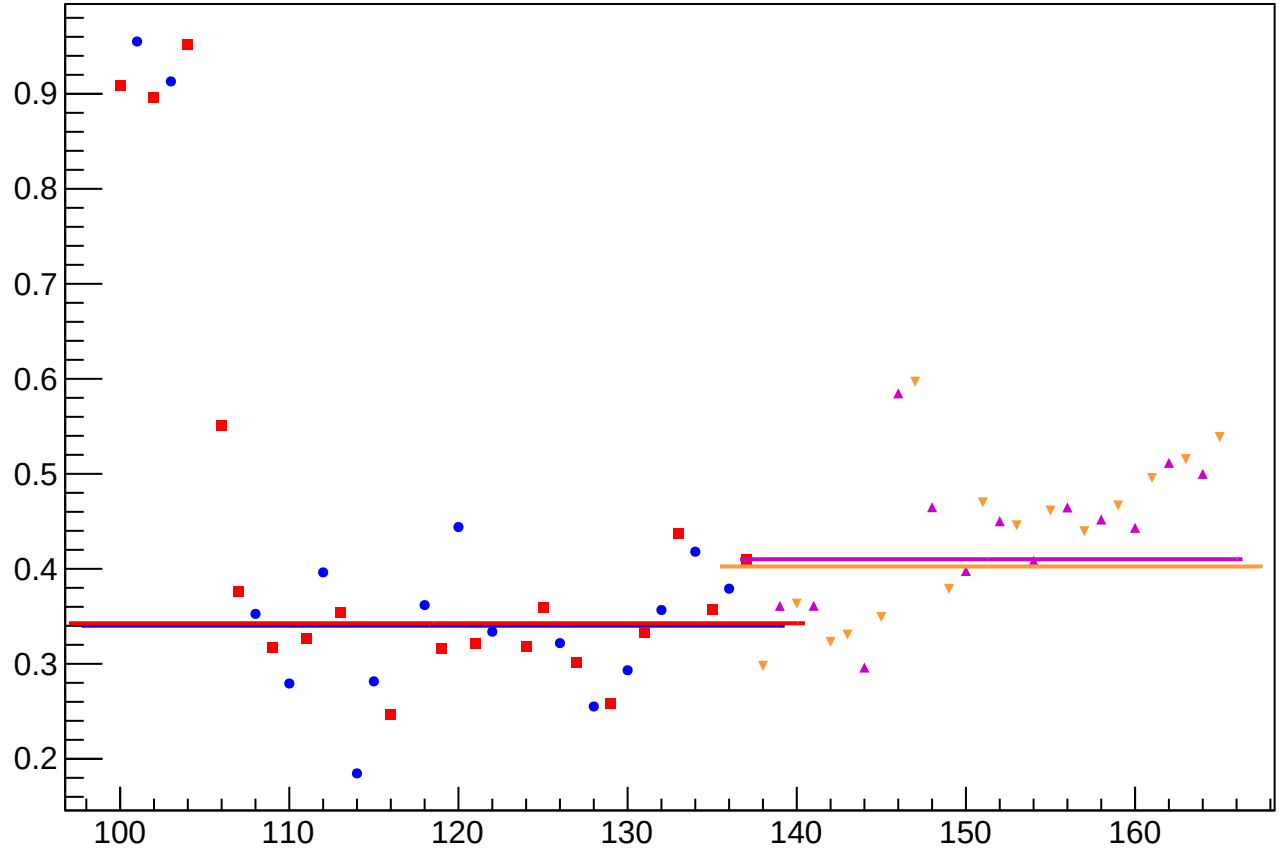
Left In: 147.013+/-0.000 χ^2/NDF:692231254.0/12

+ sign 147.012+/-0.000 χ^2/NDF: 4075409450.3/30

All: 146.865+/-0.000 χ^2/NDF: 8747919120.0

- sign 146.711+/-0.000 χ^2/NDF: 4667277242.2/31

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.402+/-0.000 χ^2/NDF:852568.3/14

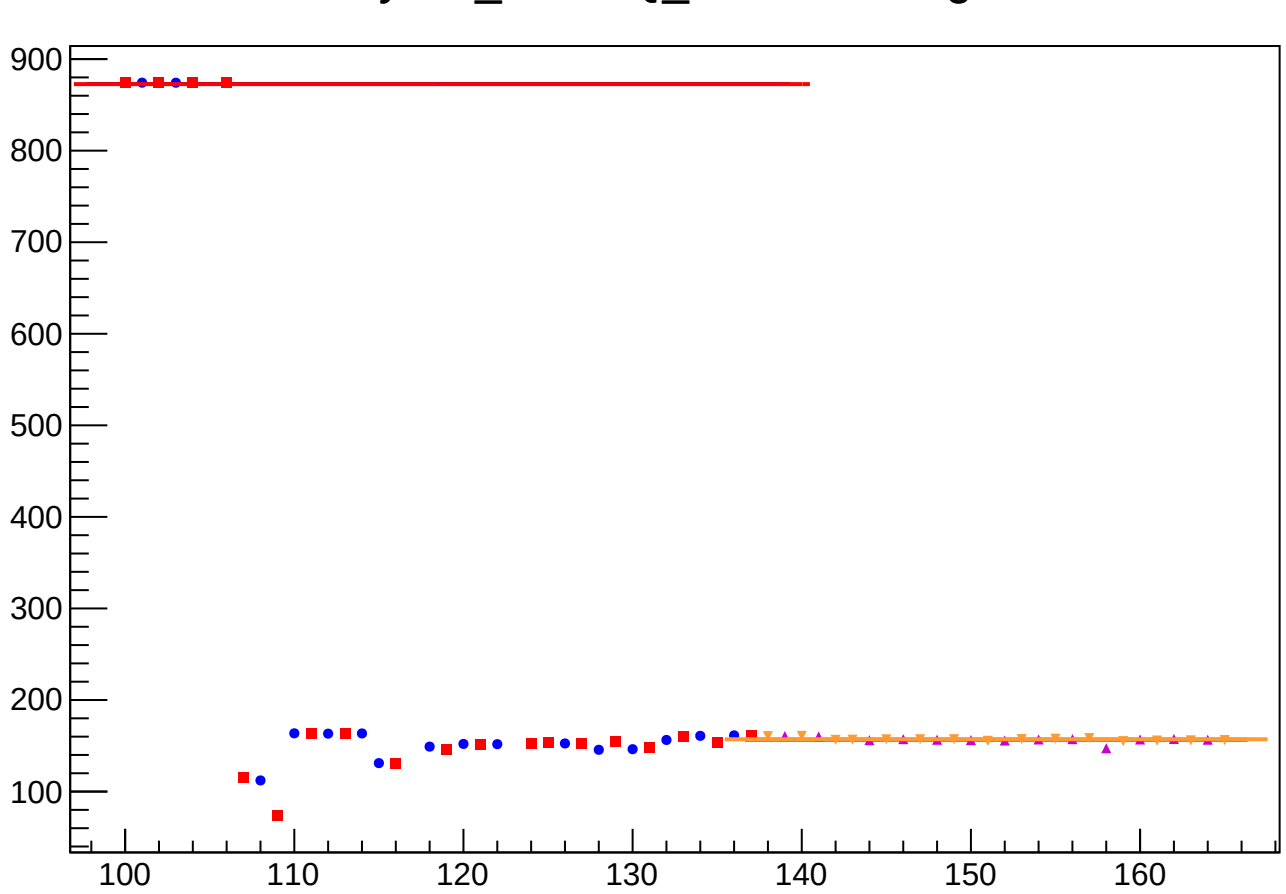
Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.410+/-0.000 χ^2/NDF:645329.1/12

+ sign 0.375+/-0.000 χ^2/NDF: 2471033.6/30

All: 0.377+/-0.000 χ^2/NDF: 4641229.8/62

- sign 0.379+/-0.000 χ^2/NDF: 2168750.7/31



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.123+/-0.000 χ^2/NDF:62824777.6/14

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

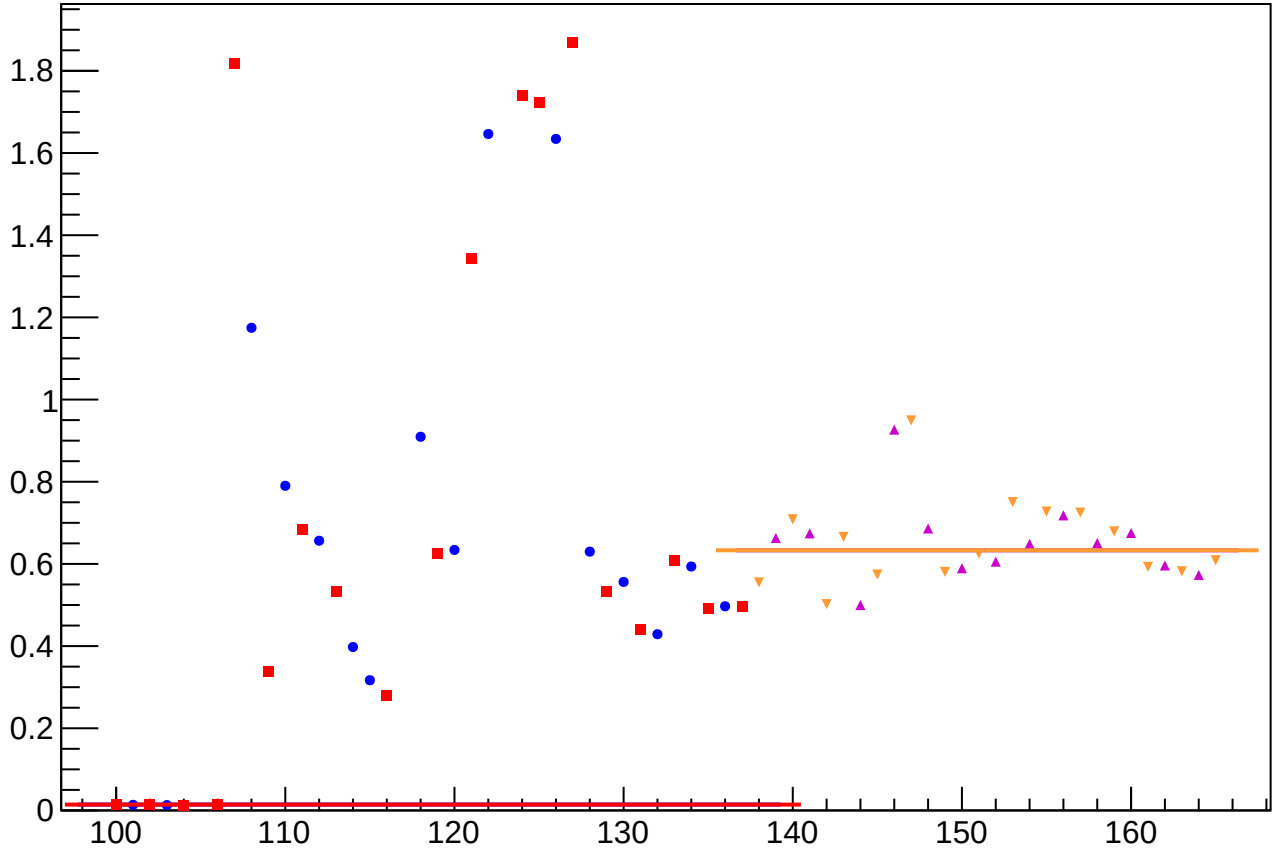
Left In: 156.650+/-0.000 χ^2/NDF:165669810.0/12

+ sign 870.752+/-0.000 χ^2/NDF: 17748045716800.

All: 870.894+/-0.000 χ^2/NDF: 366663192975

- sign 871.017+/-0.000 χ^2/NDF: 18918004502123.1

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.633+/-0.000 χ^2/NDF:301498.6/14

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

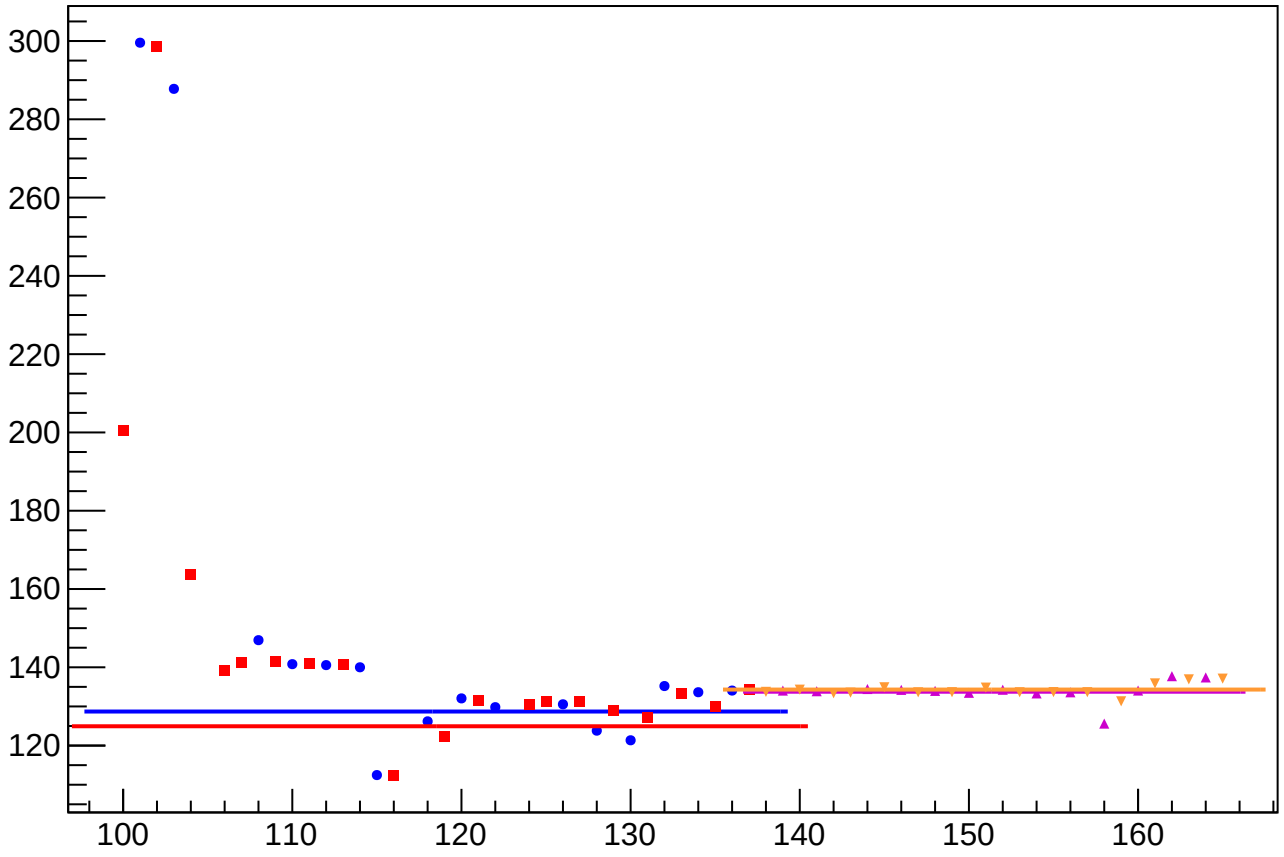
Left In: 0.633+/-0.000 χ^2/NDF:243397.9/12

+ sign 0.016+/-0.000 χ^2/NDF: 25705721.7/30

All: 0.016+/-0.000 χ^2/NDF: 49929990.5/62

- sign 0.016+/-0.000 χ^2/NDF: 24222379.1/31

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.312+/-0.000 χ^2/NDF:101076898.2/14

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

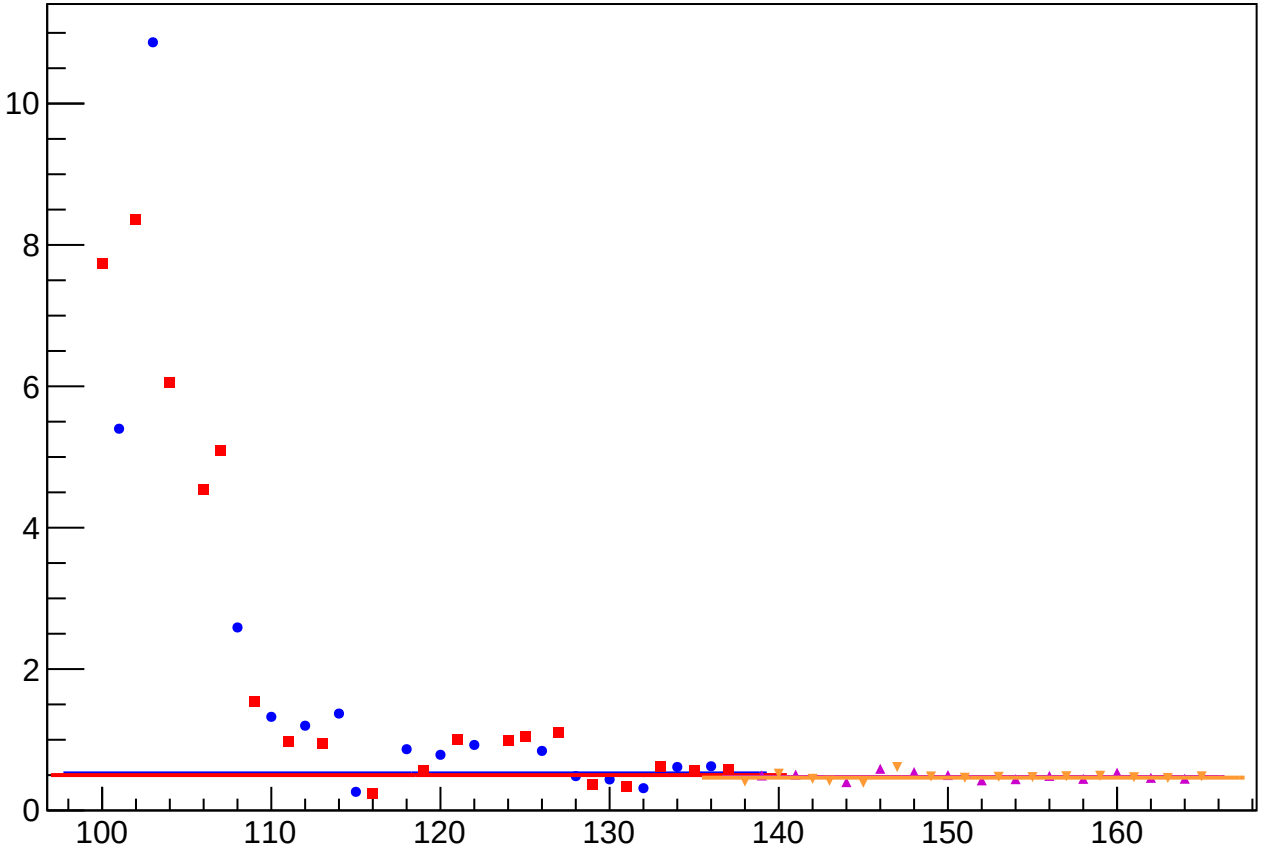
Left In: 133.760+/-0.000 χ^2/NDF:358584209.9/12

+ sign 133.091+/-0.000 χ^2/NDF: 2086516342.2/30

All: 132.366+/-0.000 χ^2/NDF: 4733226456.8

- sign 131.582+/-0.000 χ^2/NDF: 2579479085.3/31

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.464+/-0.000 χ^2/NDF:197000.1/14

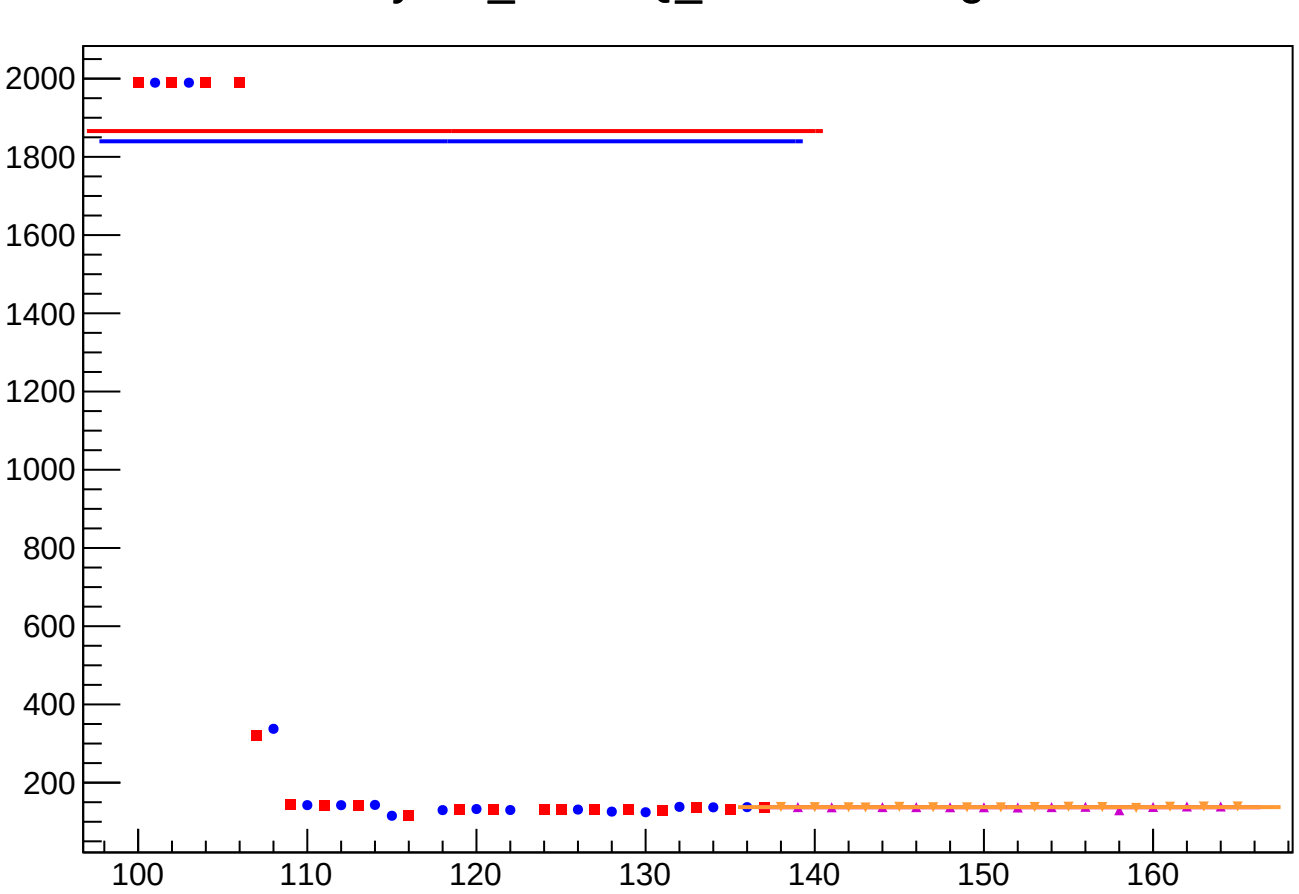
Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.473+/-0.000 χ^2/NDF:214127.8/12

+ sign 0.477+/-0.000 χ^2/NDF: 4410034.3/30

All: 0.479+/-0.000 χ^2/NDF: 9524553.1/62

- sign 0.480+/-0.000 χ^2/NDF: 5114123.7/31



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.427+/-0.000 χ^2/NDF:55466981.3/14

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

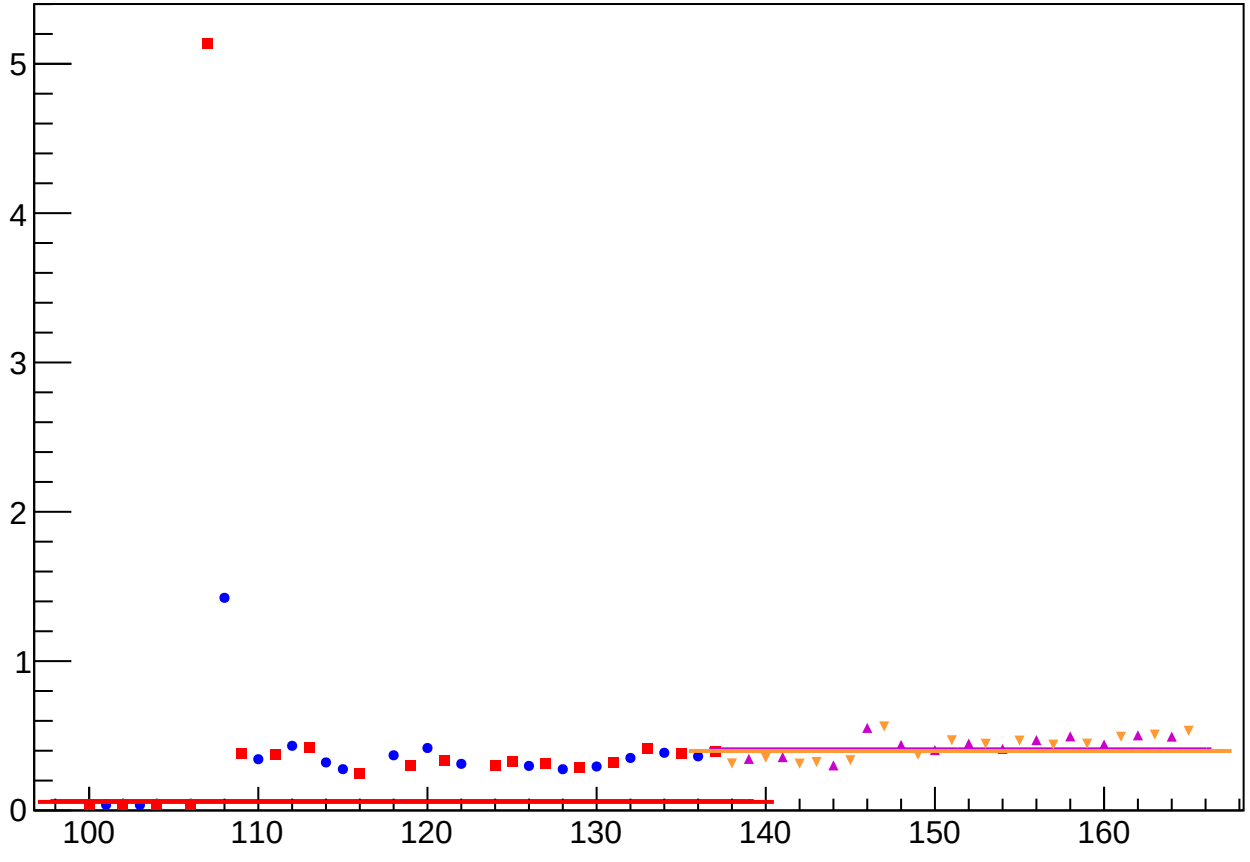
Left In: 137.166+/-0.000 χ^2/NDF:225536109.9/12

+ sign 1656.021+/-0.000 χ^2/NDF: 32432930112050

All: 1690.503+/-0.000 χ^2/NDF: 6356200461

- sign 1720.829+/-0.000 χ^2/NDF: 30986199715036

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.398+/-0.000 χ^2/NDF:804995.4/14

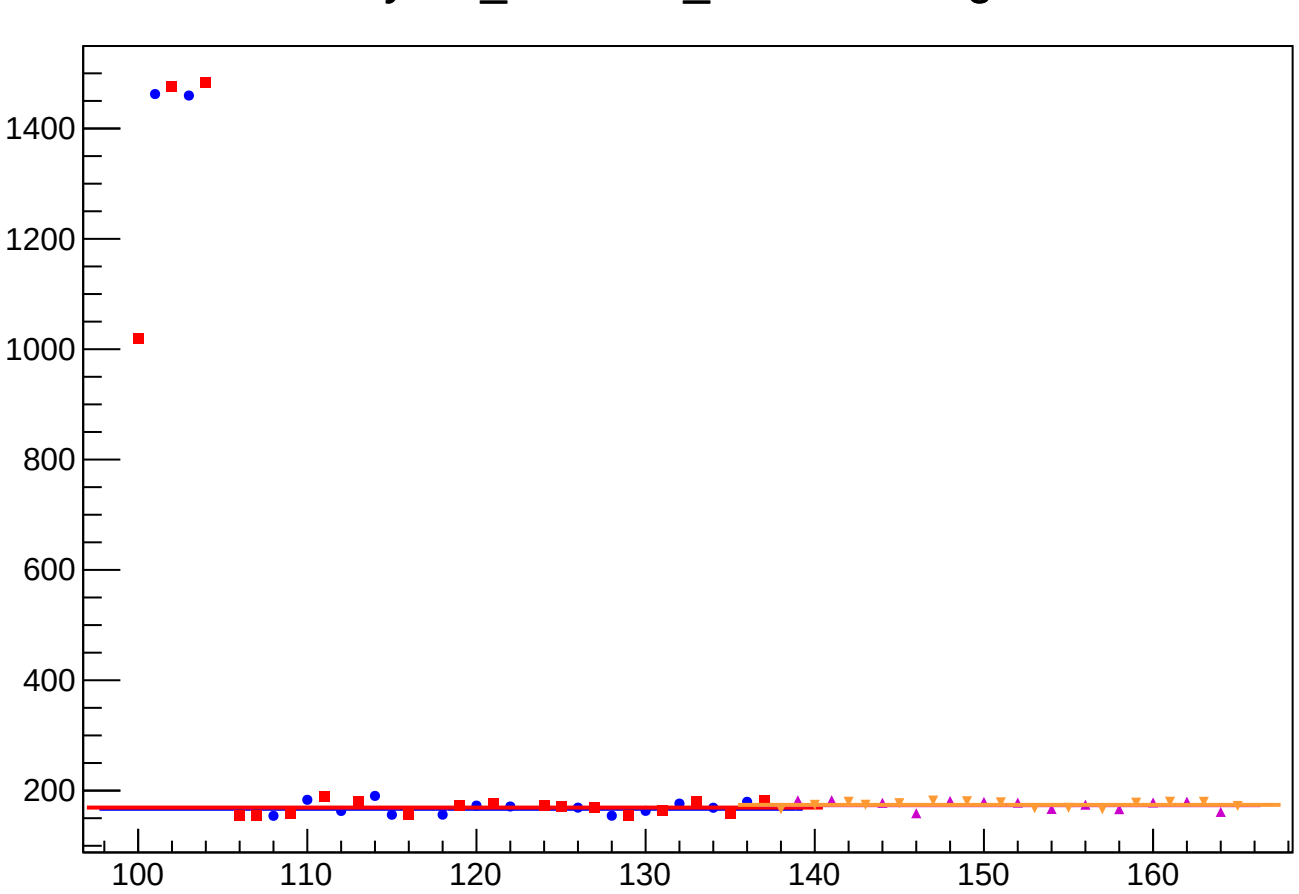
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.409+/-0.000 χ^2/NDF:622743.3/12

+ sign 0.098+/-0.000 χ^2/NDF: 22928911.2/30

All: 0.092+/-0.000 χ^2/NDF: 45227967.3/62

- sign 0.087+/-0.000 χ^2/NDF: 22212574.2/31



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.163+/-0.000 χ^2/NDF:308665350.0/14

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

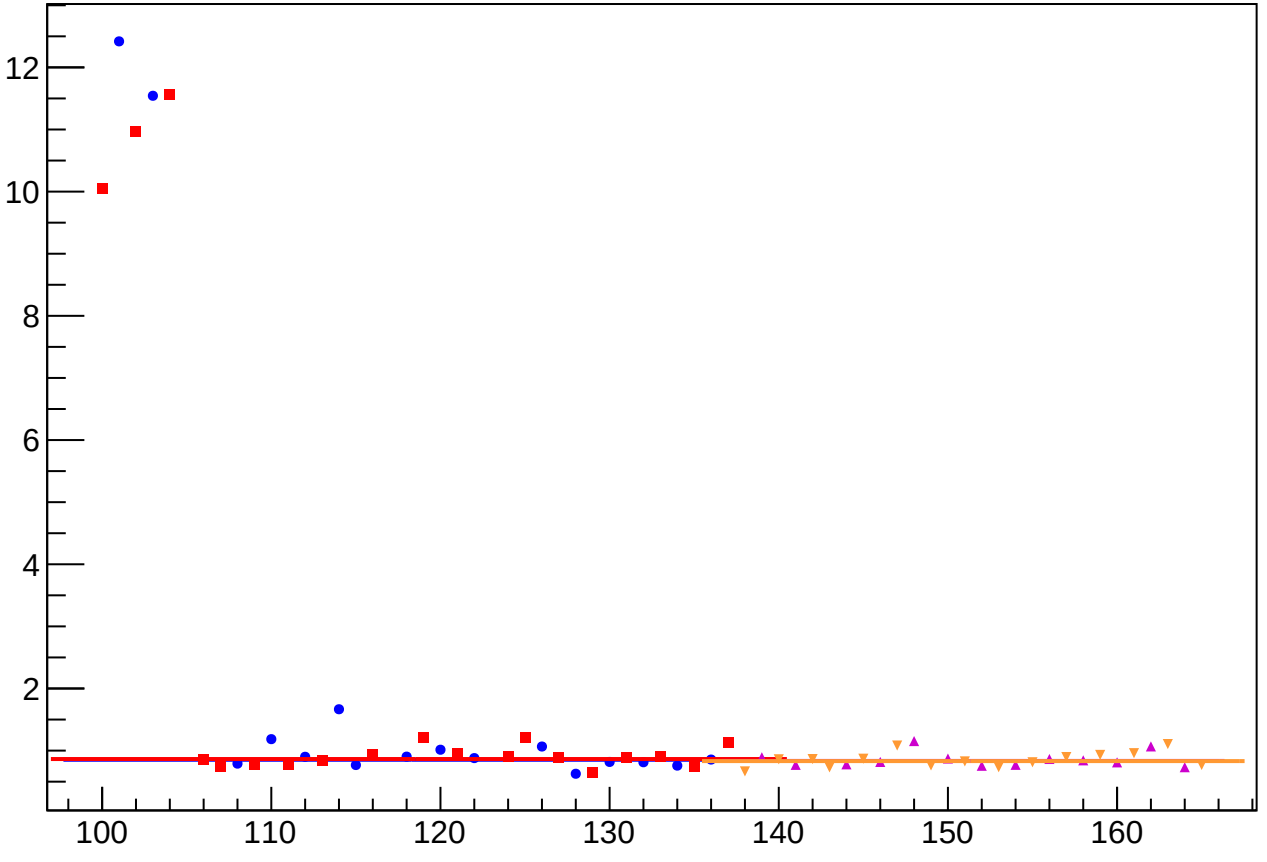
Left In: 173.590+/-0.000 χ^2/NDF:643840116.0/12

+ sign 171.770+/-0.000 χ^2/NDF: 15103536921.0/30

All: 171.896+/-0.000 χ^2/NDF: 32130828634.

- sign 172.027+/-0.000 χ^2/NDF: 17026781315.0/31

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.831+/-0.000 χ^2/NDF:269731.4/14

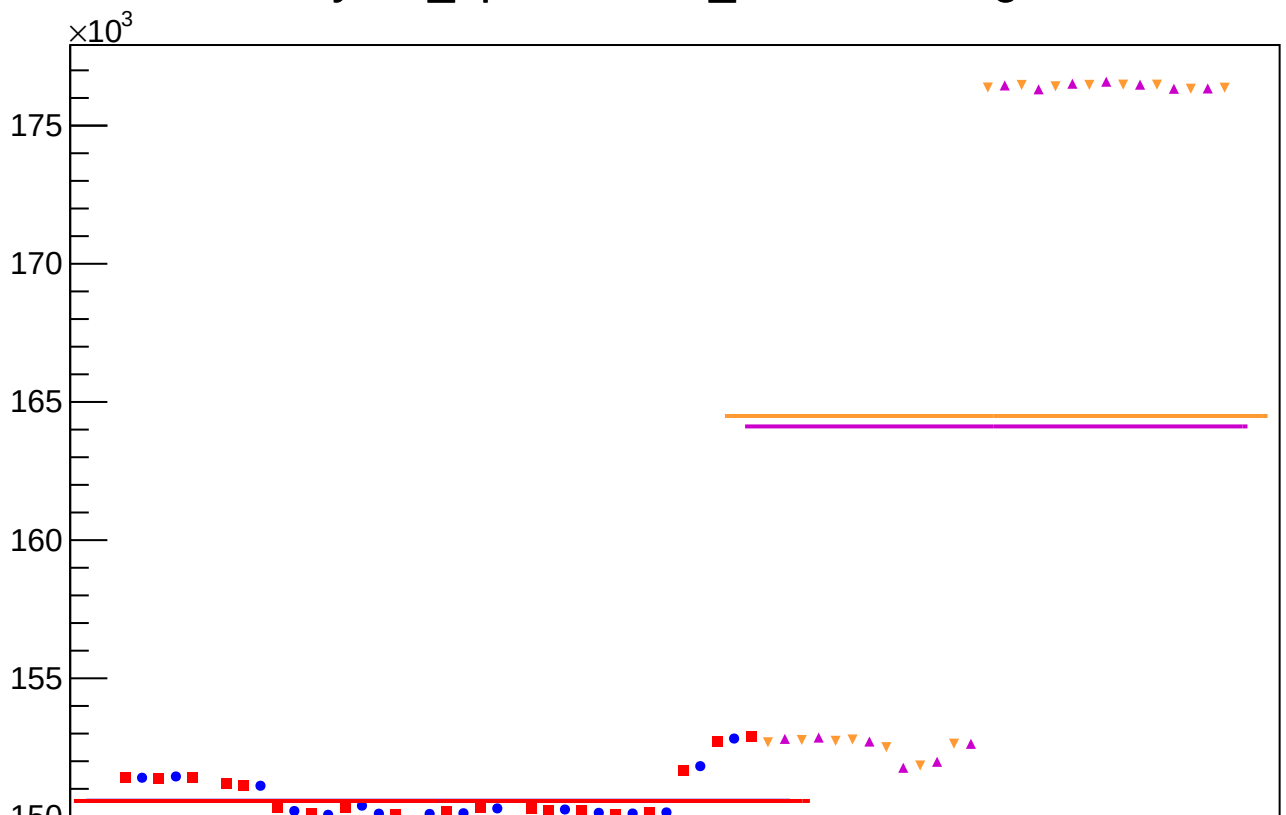
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.834+/-0.000 χ^2/NDF:195985.7/12

+ sign 0.838+/-0.000 χ^2/NDF: 2575390.8/30

All: 0.842+/-0.000 χ^2/NDF: 4987728.4/62

- sign 0.845+/-0.000 χ^2/NDF: 2411717.9/31



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164491.500+/-0.054 χ^2/NDF:48452443763.7714

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

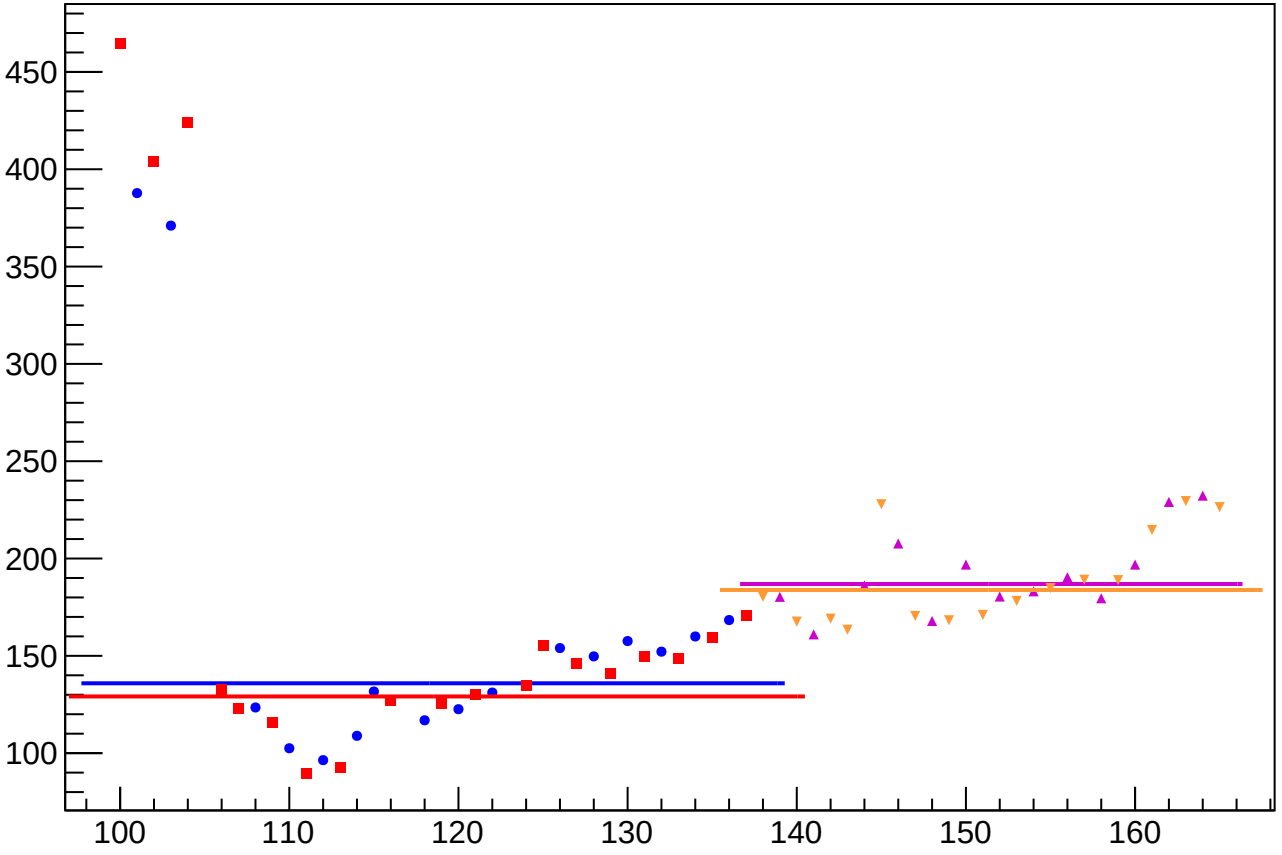
Left In: 164114.776+/-0.057 χ^2/NDF:43918022957.4/12

+ sign 157577.235+/-0.038 χ^2/NDF: 81409024818.

All: 157066.308+/-0.027 χ^2/NDF: 15718750

- sign 156566.964+/-0.038 χ^2/NDF: 75429957616.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 183.848+/-0.038 χ^2/NDF:287994.3/14

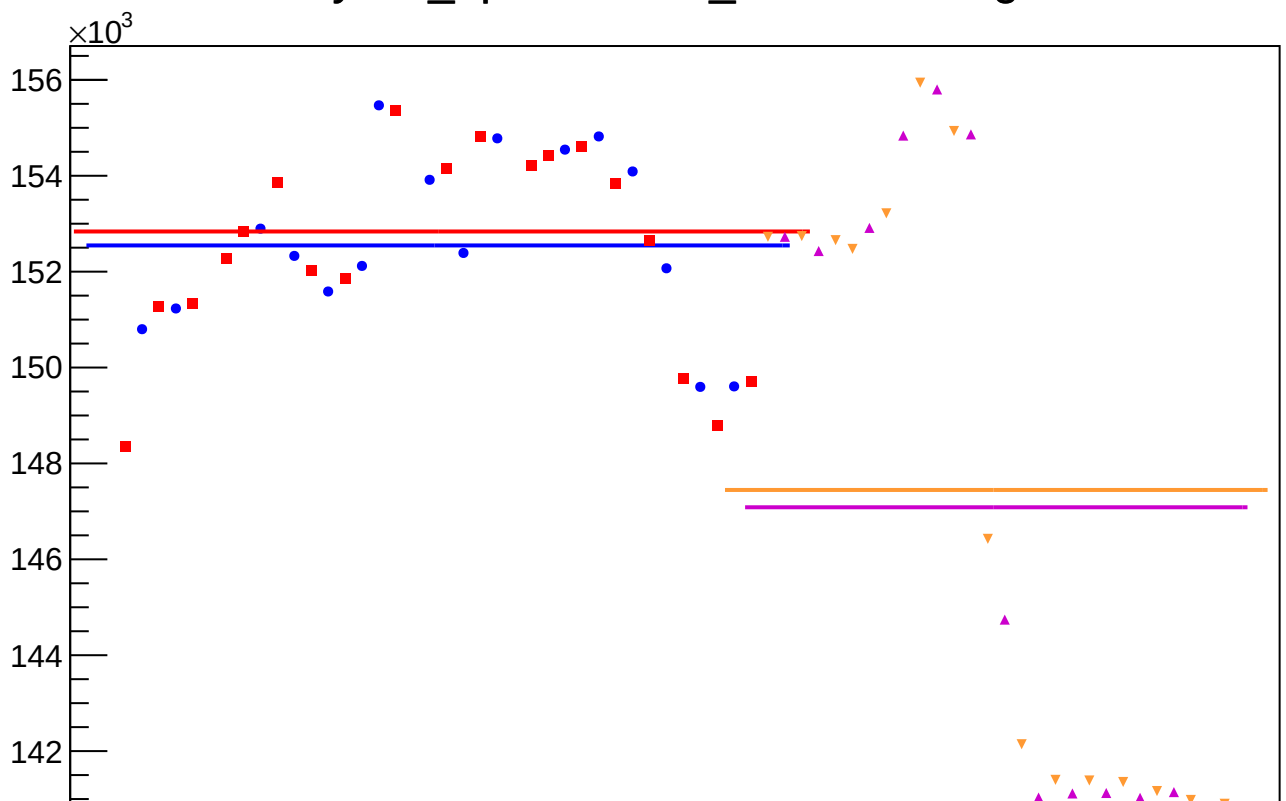
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 186.904+/-0.040 χ^2/NDF:200647.2/12

+ sign 160.034+/-0.027 χ^2/NDF: 2480544.4/30

All: 157.352+/-0.019 χ^2/NDF: 5452750.2/62

- sign 154.730+/-0.027 χ^2/NDF: 2952988.2/31



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147446.699+/-0.060 χ^2/NDF:9435898810.4/14

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

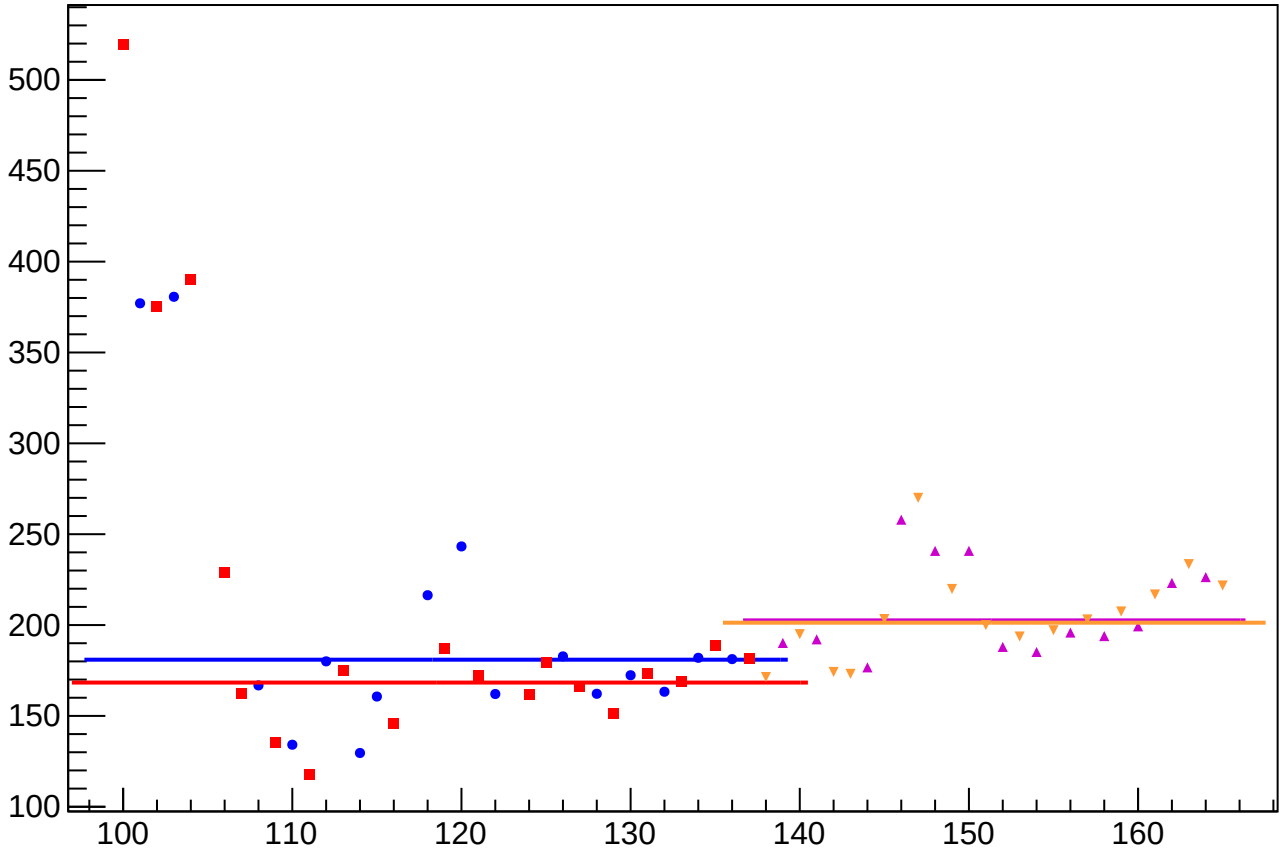
Left In: 147085.466+/-0.062 χ^2/NDF:9557098224.0/12

+ sign 149498.881+/-0.046 χ^2/NDF: 13038583852.

All: 149633.112+/-0.032 χ^2/NDF: 27328657

- sign 149764.015+/-0.045 χ^2/NDF: 14273299501.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 201.303+/-0.042 χ^2/NDF:283412.0/14

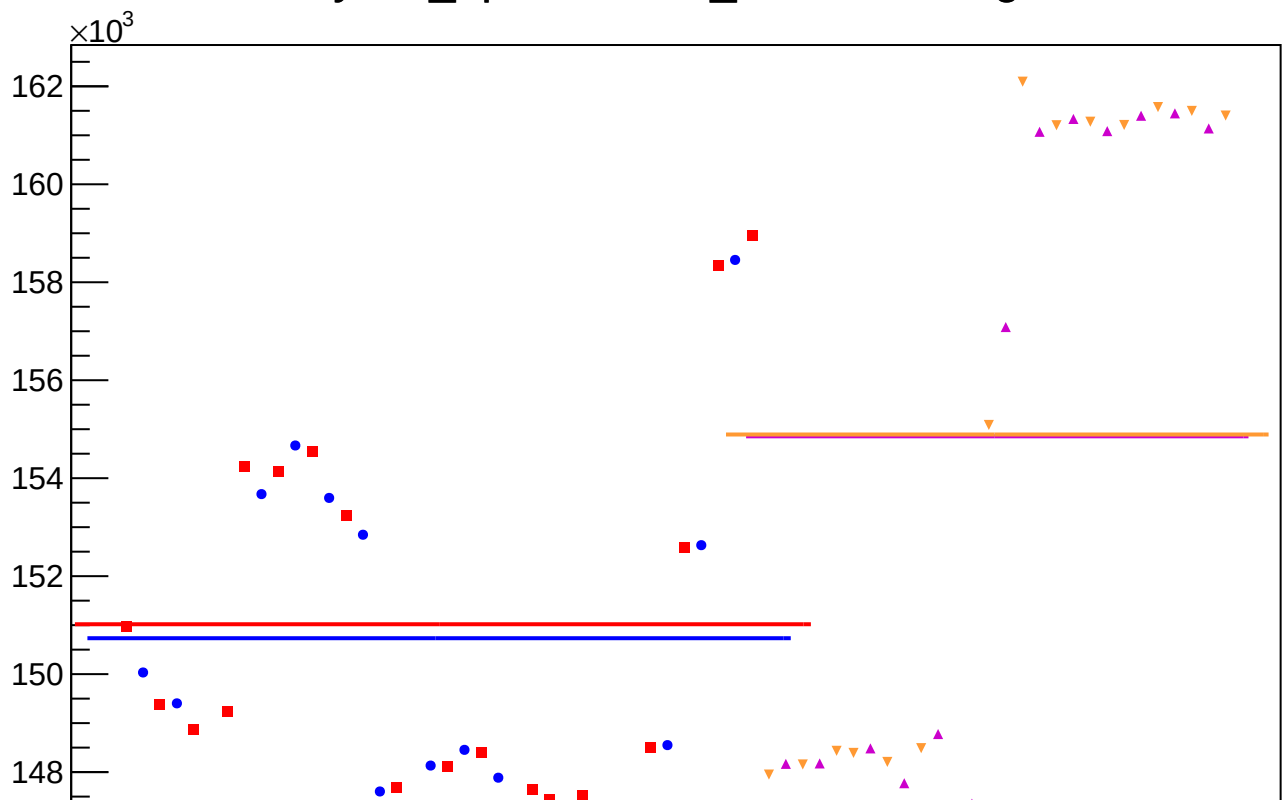
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.574+/-0.044 χ^2/NDF:274087.0/12

+ sign 193.109+/-0.033 χ^2/NDF: 1285179.2/30

All: 189.833+/-0.023 χ^2/NDF: 2950068.7/62

- sign 186.638+/-0.032 χ^2/NDF: 1644904.0/31



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 154892.011+/-0.057 χ^2/NDF:12557498759.0/14

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

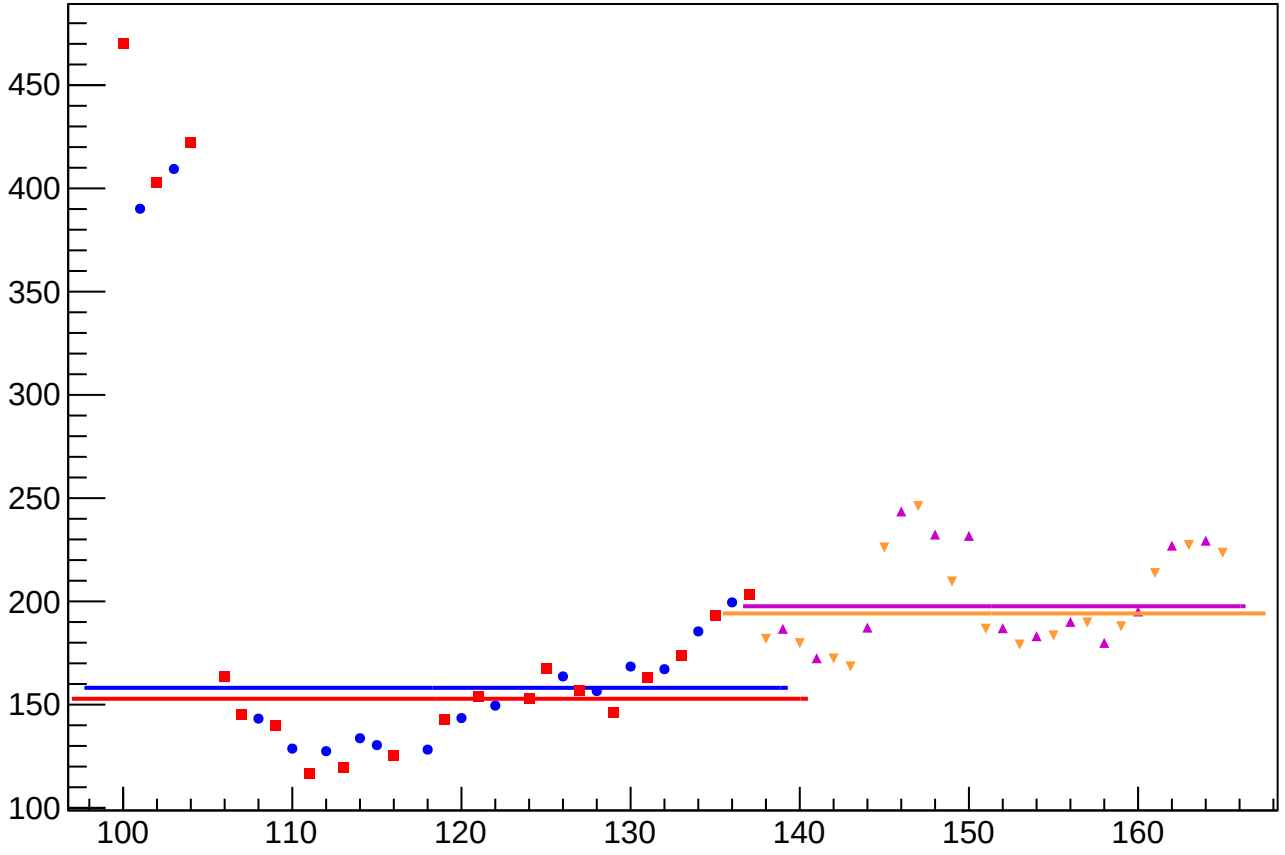
Left In: 154854.741+/-0.061 χ^2/NDF:10786712318.8/12

+ sign 153006.293+/-0.042 χ^2/NDF: 18230661847.

All: 152963.938+/-0.030 χ^2/NDF: 34329124

- sign 152921.015+/-0.043 χ^2/NDF: 16096449322.

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 194.163+/-0.041 χ^2/NDF:274581.7/14

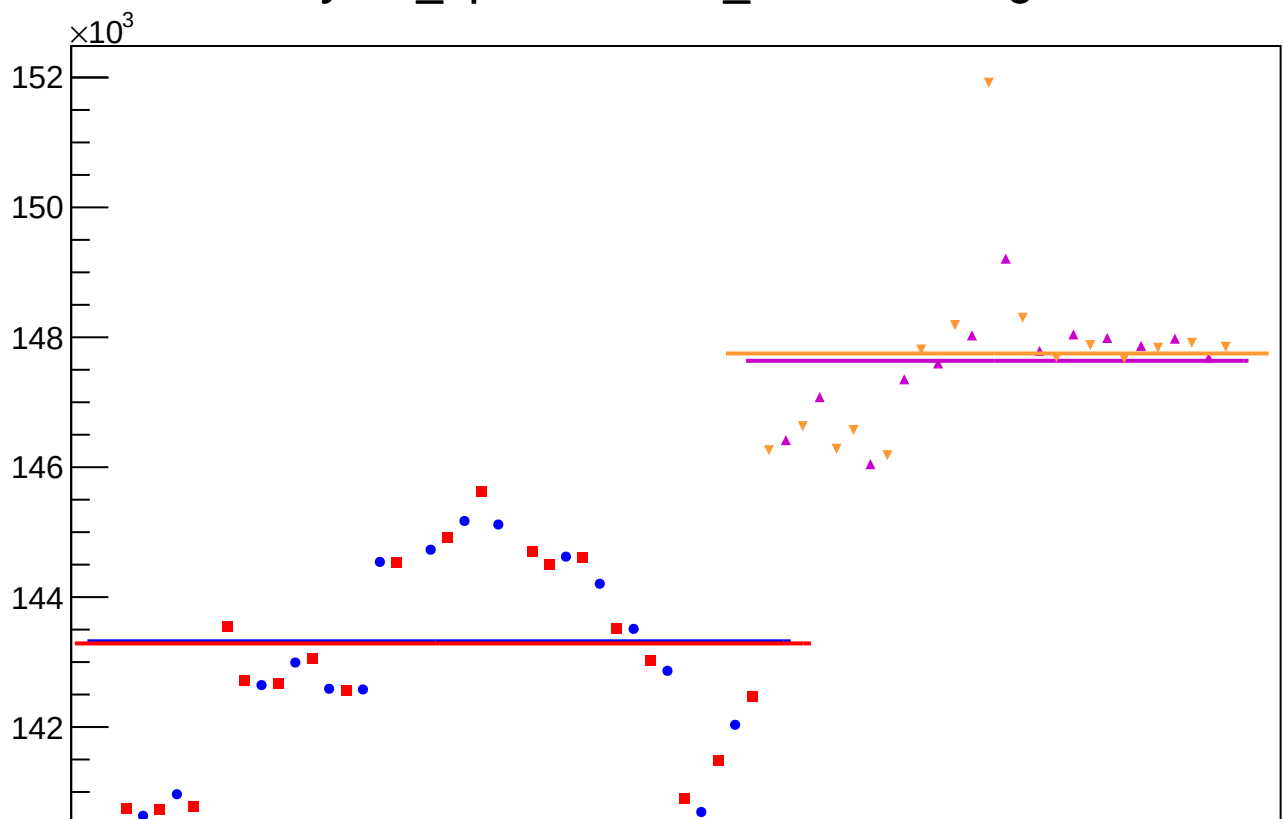
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.643+/-0.043 χ^2/NDF:271707.5/12

+ sign 177.828+/-0.030 χ^2/NDF: 1828865.1/30

All: 176.453+/-0.021 χ^2/NDF: 3921046.0/62

- sign 175.060+/-0.030 χ^2/NDF: 2087938.9/31



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147750.993+/-0.054 χ^2/NDF:670429385.0/14

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

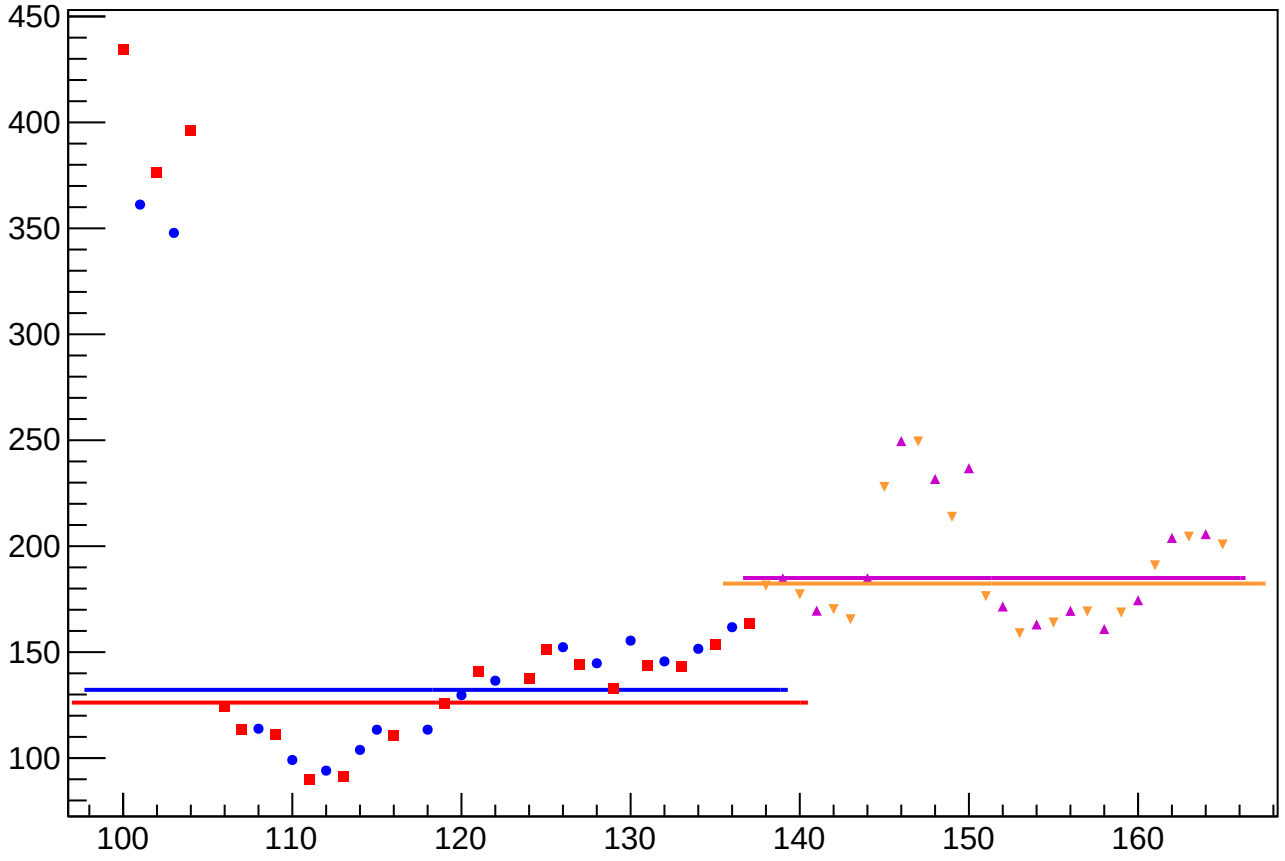
Left In: 147637.746+/-0.057 χ^2/NDF:199198233.9/12

+ sign 145501.754+/-0.038 χ^2/NDF: 4656022086.2

All: 145334.109+/-0.027 χ^2/NDF: 88305943

- sign 145170.107+/-0.037 χ^2/NDF: 4135758949.1/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 182.355+/-0.038 χ^2/NDF:351770.0/14

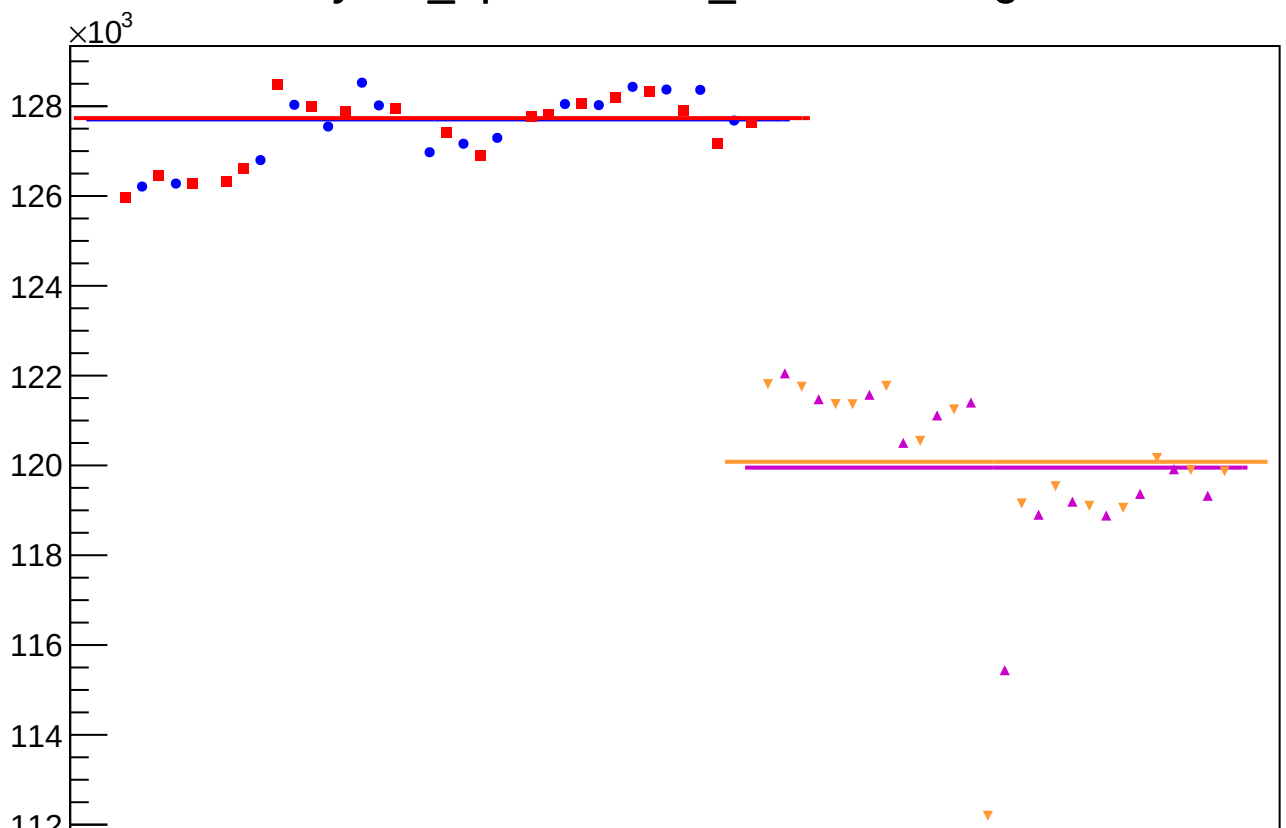
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 184.983+/-0.040 χ^2/NDF:408916.8/12

+ sign 156.899+/-0.027 χ^2/NDF: 2608610.0/30

All: 154.240+/-0.019 χ^2/NDF: 5793104.4/62

- sign 151.638+/-0.026 χ^2/NDF: 3164956.0/31



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120081.125+/-0.053 χ^2/NDF:1752484445.3/14

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

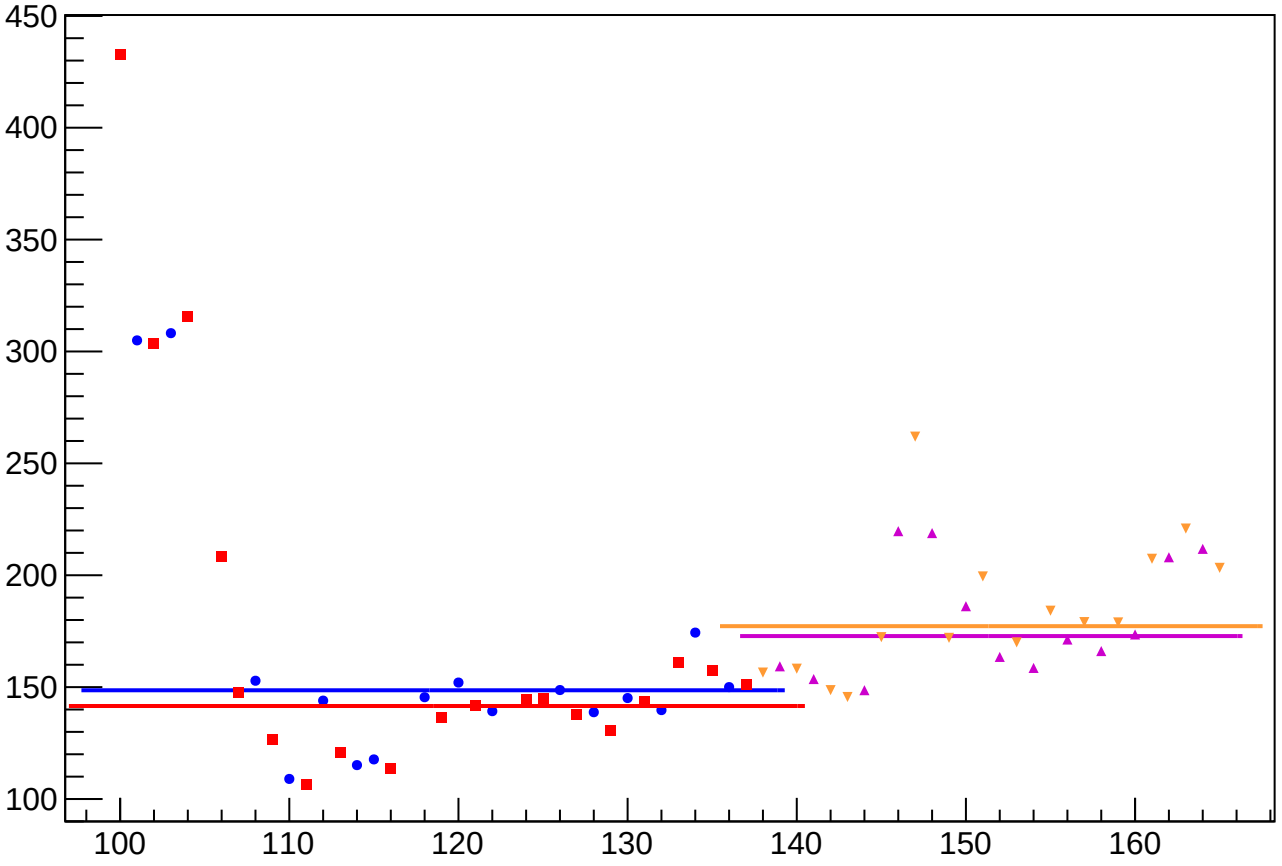
Left In: 119951.337+/-0.053 χ^2/NDF:1149216675.7/12

+ sign 123522.120+/-0.039 χ^2/NDF: 11202835182.

All: 123631.427+/-0.027 χ^2/NDF: 22798651

- sign 123735.478+/-0.038 χ^2/NDF: 11580673915.0

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 177.244+/-0.037 χ^2/NDF:470703.5/14

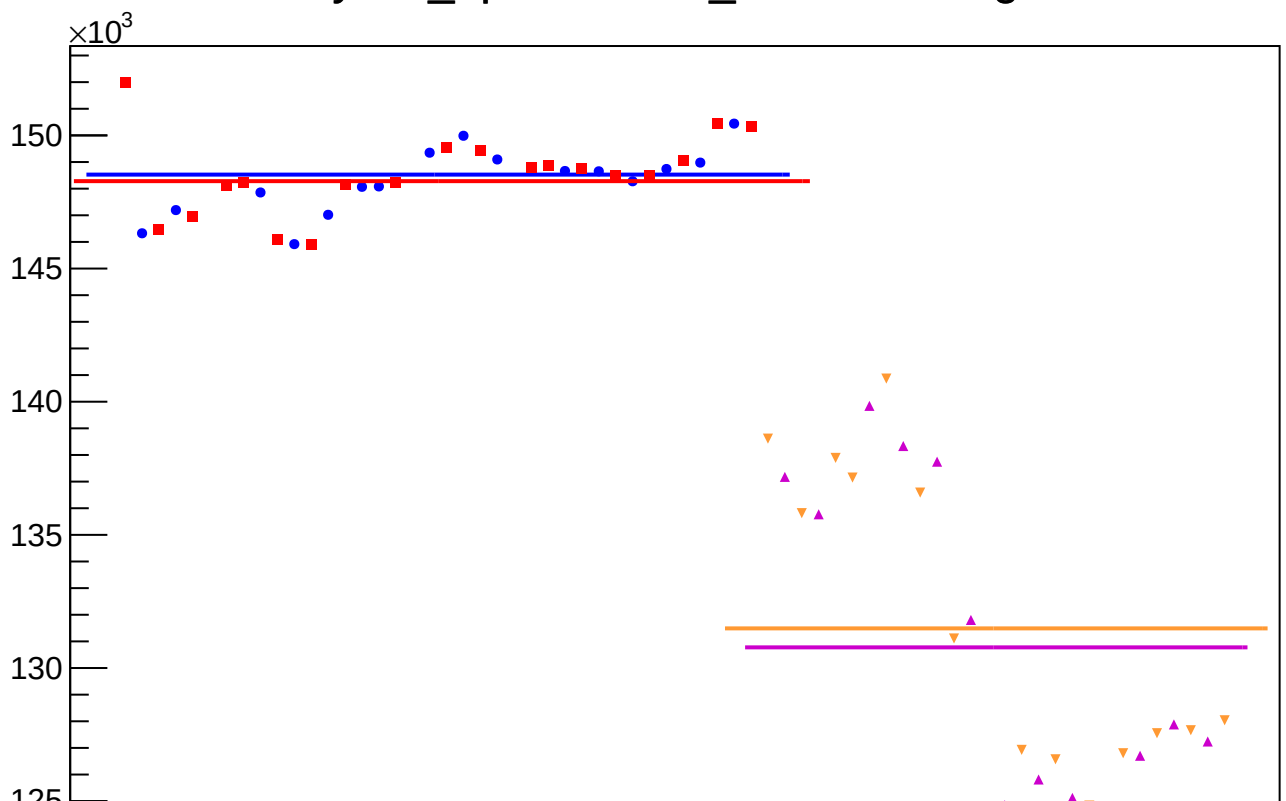
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 172.819+/-0.038 χ^2/NDF:351252.2/12

+ sign 164.313+/-0.028 χ^2/NDF: 1562368.3/30

All: 160.885+/-0.019 χ^2/NDF: 3277542.3/62

- sign 157.623+/-0.027 χ^2/NDF: 1685396.4/31



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131488.265+/-0.076 χ^2/NDF:5098087271.5/14

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

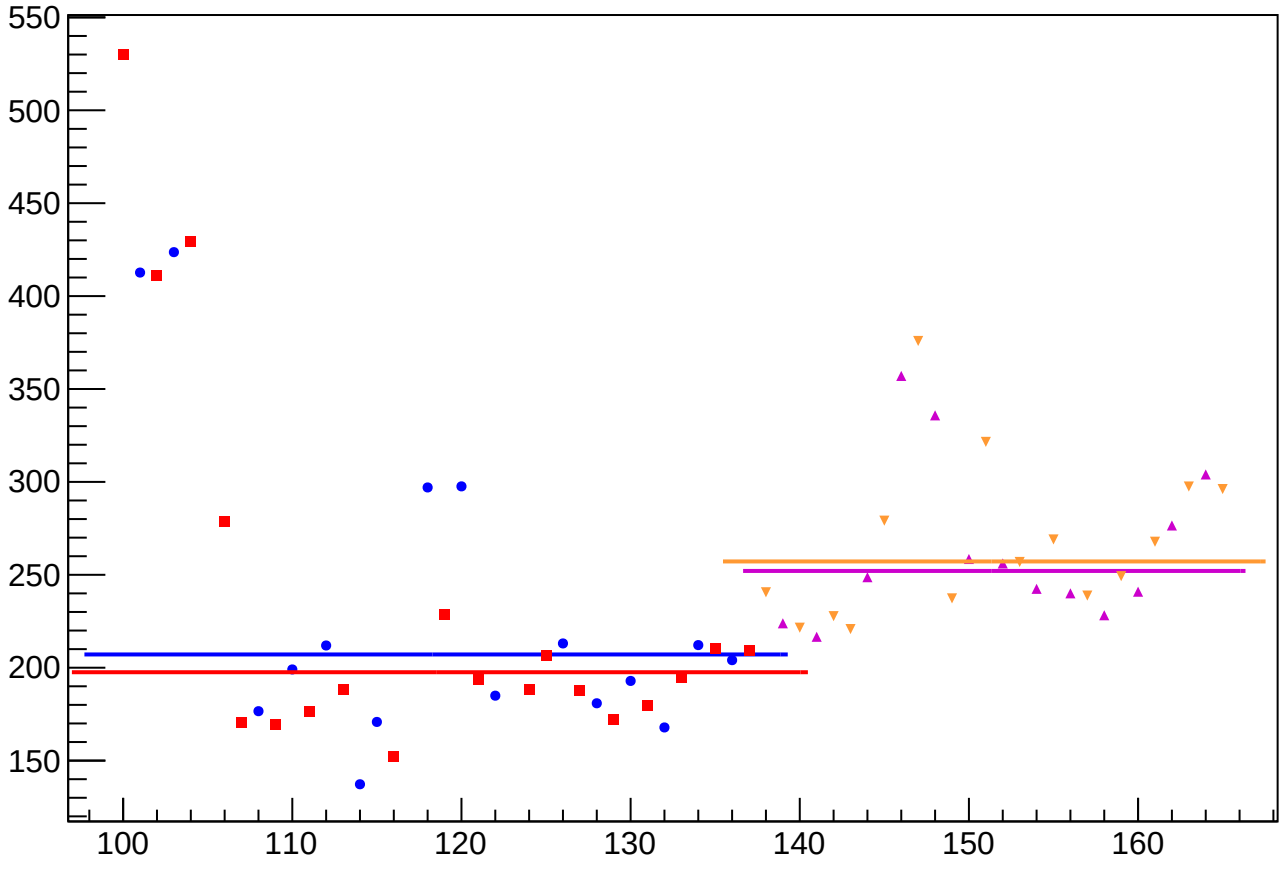
Left In: 130775.614+/-0.078 χ^2/NDF:5408247542.4/12

+ sign 139406.947+/-0.056 χ^2/NDF: 28454058846.

All: 139526.361+/-0.039 χ^2/NDF: 599462993

- sign 139640.080+/-0.055 χ^2/NDF: 31483318447.5

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 257.192+/-0.054 χ^2/NDF:424043.9/14

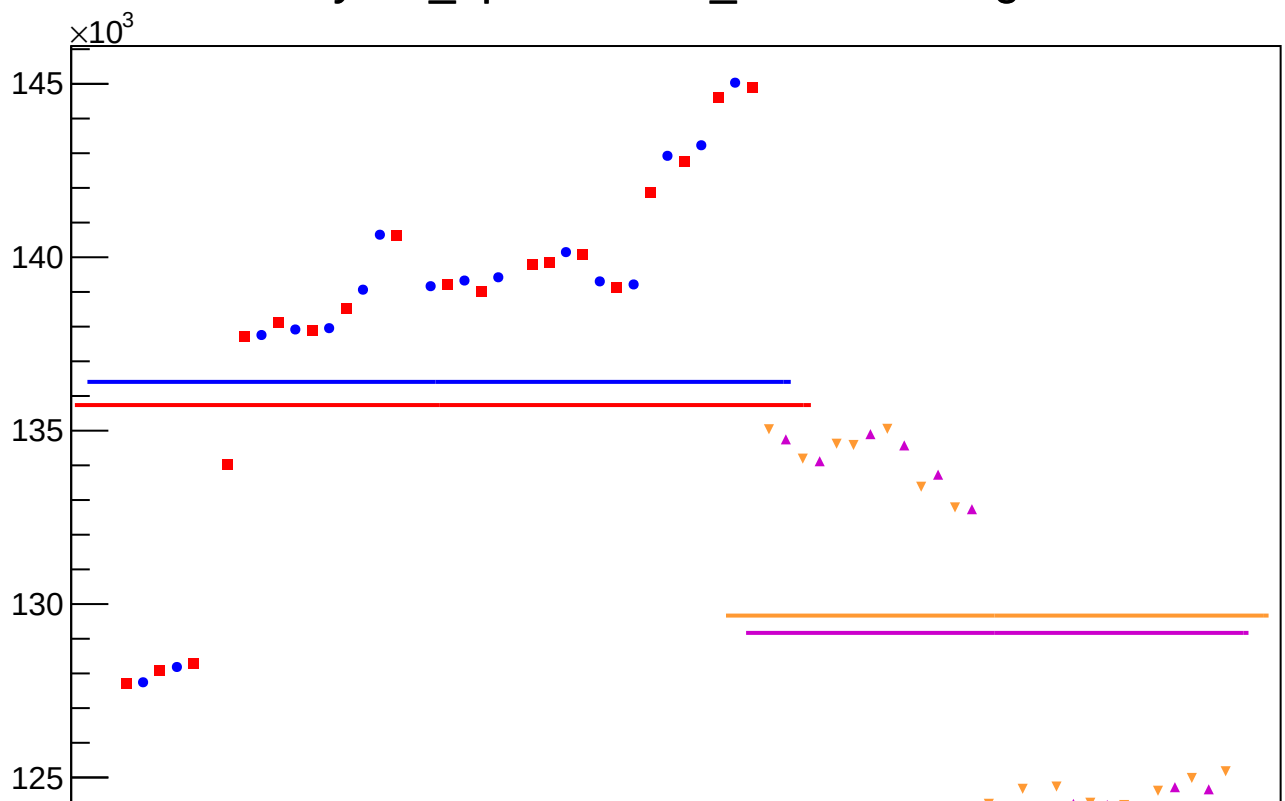
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 252.081+/-0.055 χ^2/NDF:402813.6/12

+ sign 233.929+/-0.039 χ^2/NDF: 1795790.0/30

All: 229.089+/-0.028 χ^2/NDF: 3631808.9/62

- sign 224.479+/-0.039 χ^2/NDF: 1806699.7/31



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129668.254+/-0.176 χ^2/NDF:792093693.8/14

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

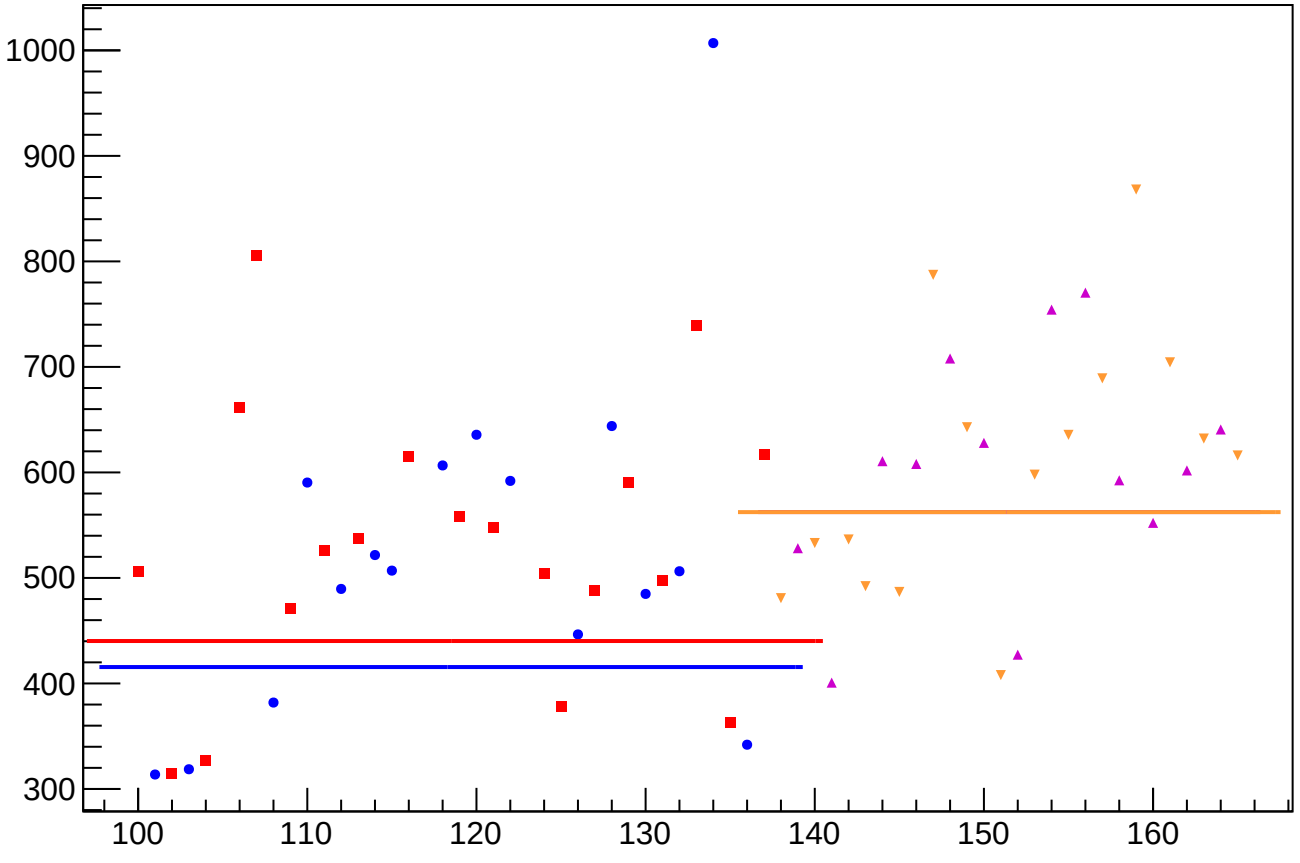
Left In: 129169.046+/-0.186 χ^2/NDF:728402984.5/12

+ sign 133179.097+/-0.122 χ^2/NDF: 3134572842.7

All: 132911.258+/-0.088 χ^2/NDF: 57046726

- sign 132615.066+/-0.128 χ^2/NDF: 2559896376.8/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 562.381+/-0.124 χ^2/NDF:804524.8/14

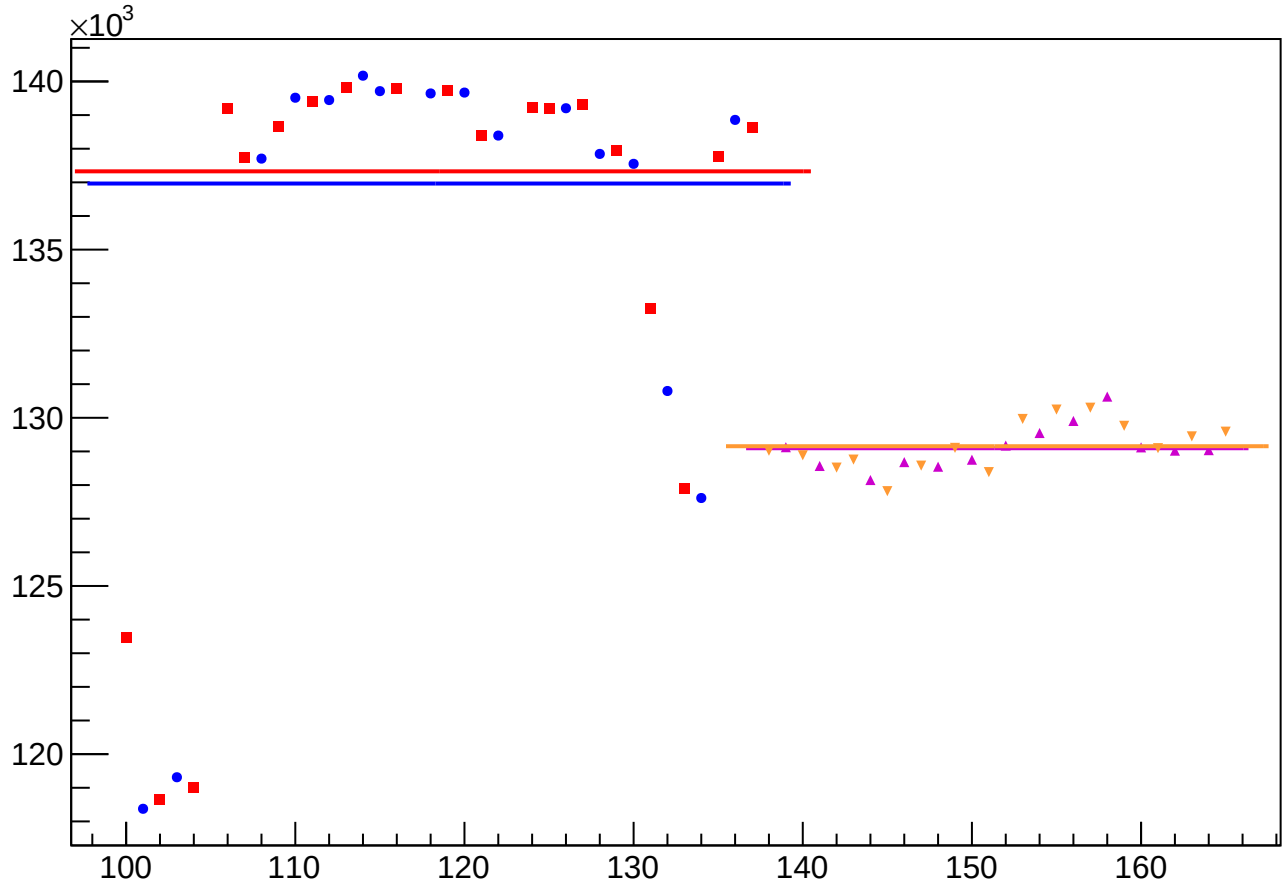
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 562.435+/-0.131 χ^2/NDF:701705.0/12

+ sign 485.881+/-0.086 χ^2/NDF: 2562943.8/30

All: 491.790+/-0.062 χ^2/NDF: 4640421.5/62

- sign 498.325+/-0.090 χ^2/NDF: 2067544.4/31



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129154.909+/-0.056 χ^2/NDF:149831588.7/14

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

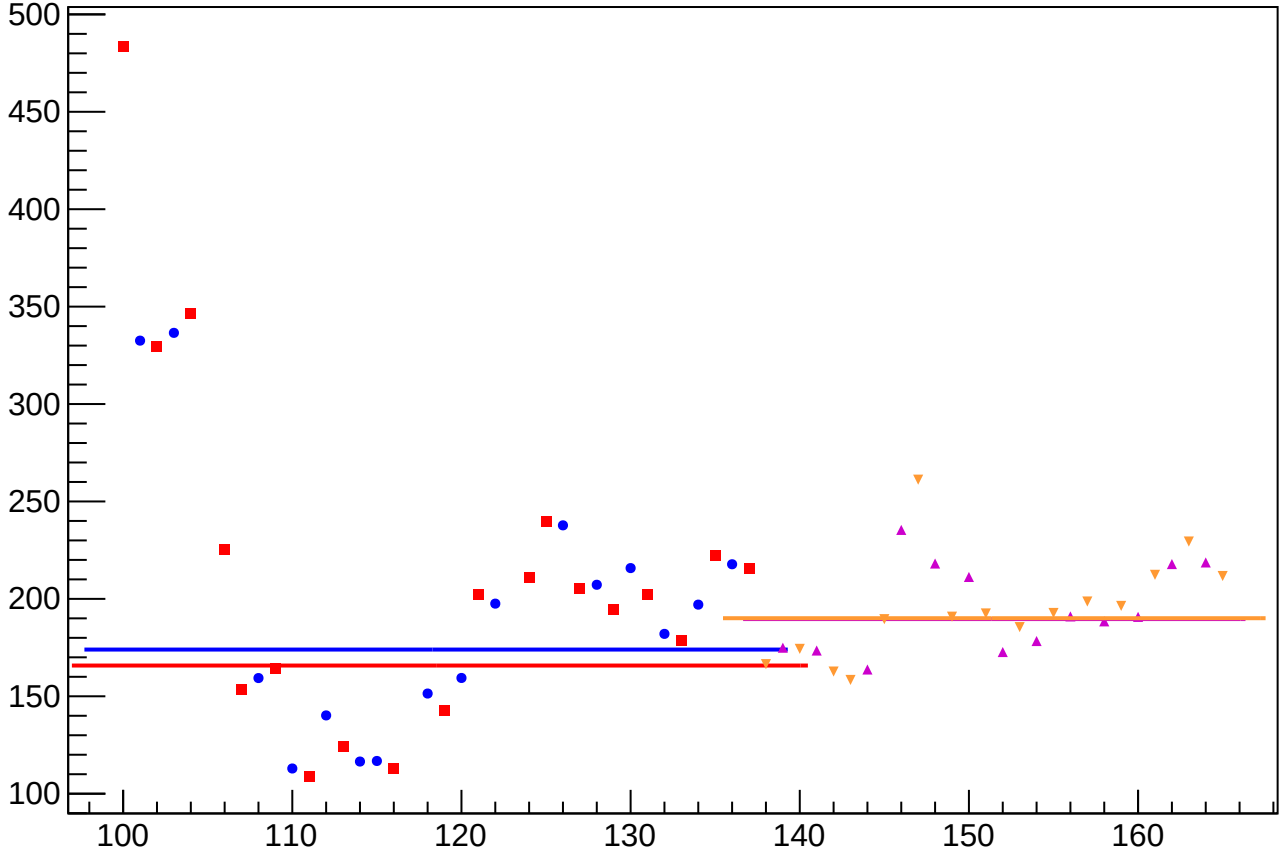
Left In: 129094.862+/-0.058 χ^2/NDF:125179948.0/12

+ sign 132244.183+/-0.044 χ^2/NDF: 13540950470.

All: 132486.197+/-0.031 χ^2/NDF: 28261230

- sign 132725.213+/-0.044 χ^2/NDF: 14659745529.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 190.073+/-0.040 χ^2/NDF:337835.9/14

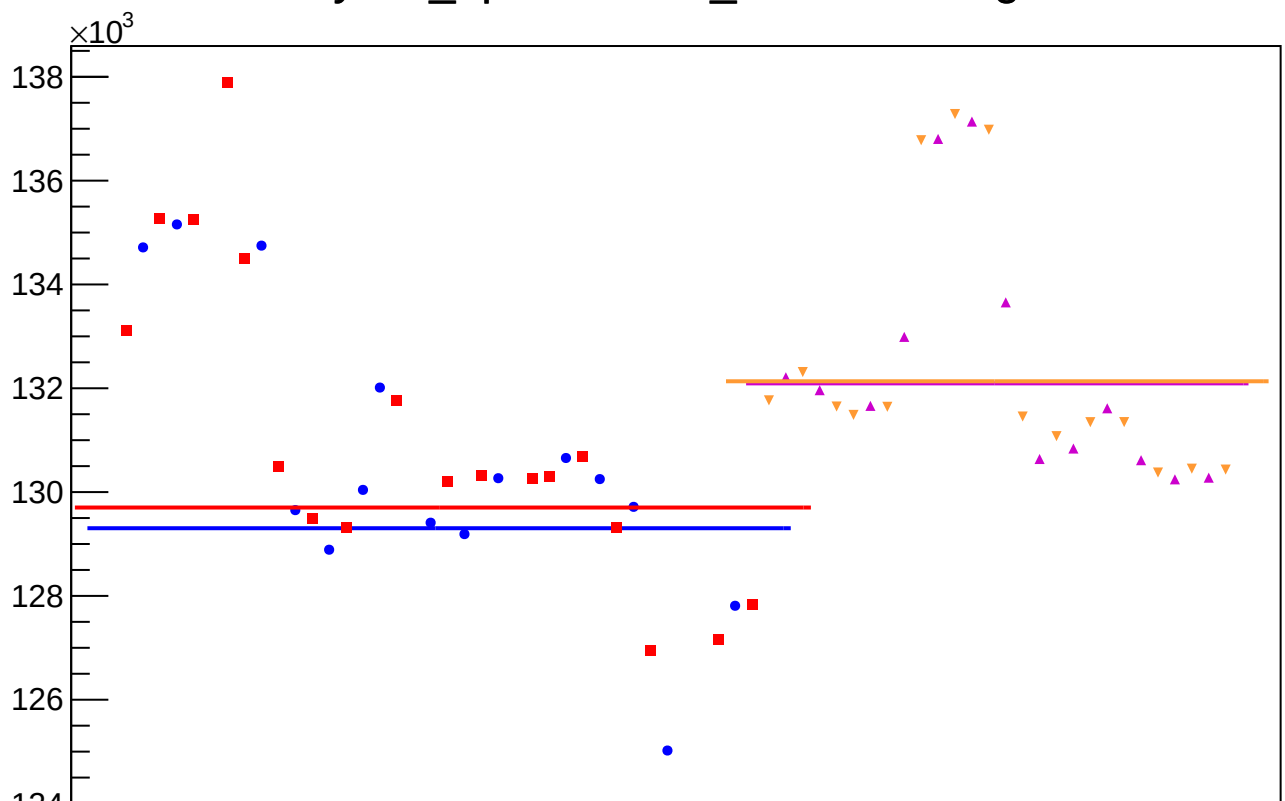
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 189.635+/-0.041 χ^2/NDF:254073.2/12

+ sign 183.708+/-0.031 χ^2/NDF: 1590710.1/30

All: 181.397+/-0.022 χ^2/NDF: 3436690.5/62

- sign 179.116+/-0.031 χ^2/NDF: 1834945.0/31



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132134.783+/-0.057 χ^2/NDF:1257292201.0/14

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

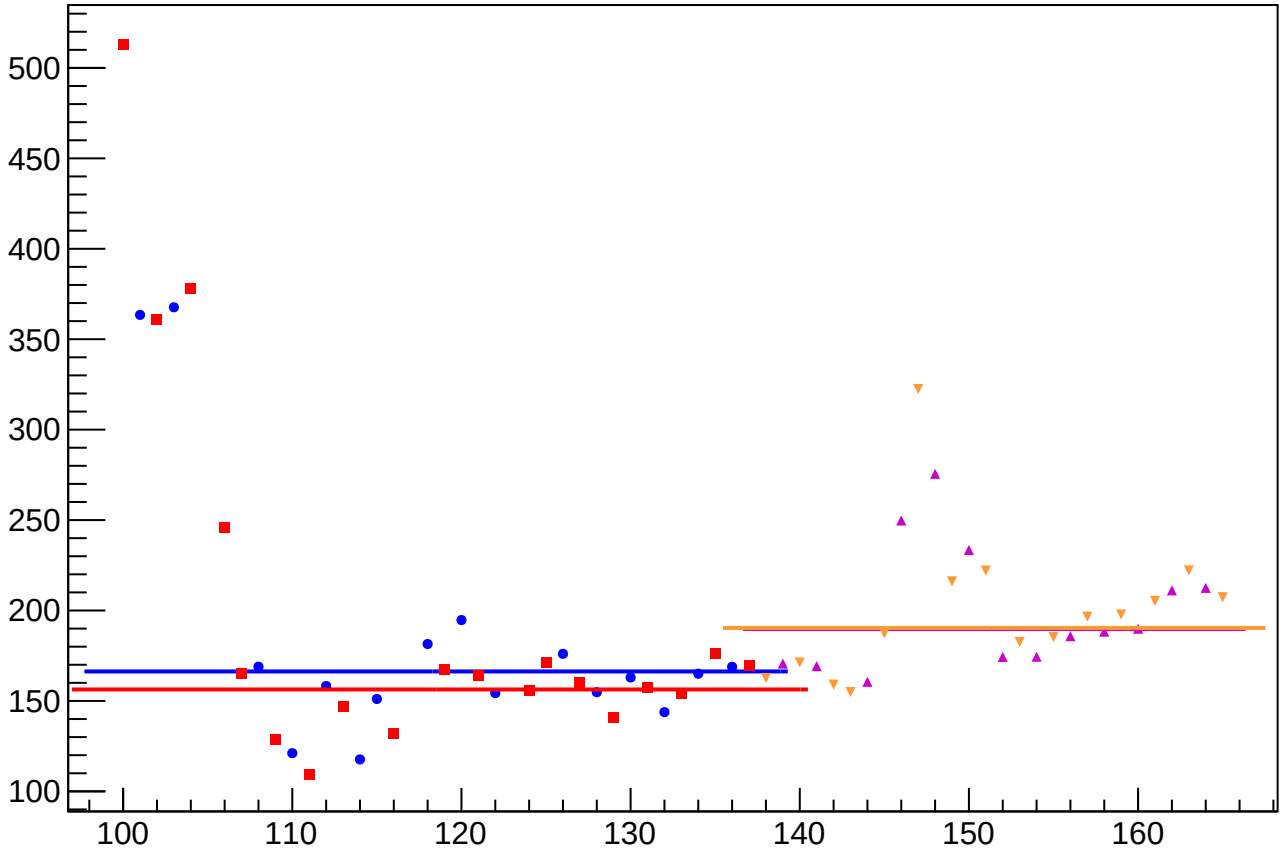
Left In: 132094.457+/-0.059 χ^2/NDF:987767192.5/12

+ sign 130932.112+/-0.043 χ^2/NDF: 3959262094.8

All: 130943.874+/-0.030 χ^2/NDF: 75160102

- sign 130955.271+/-0.042 χ^2/NDF: 3556601881.2/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 190.354+/-0.040 χ^2/NDF:568242.9/14

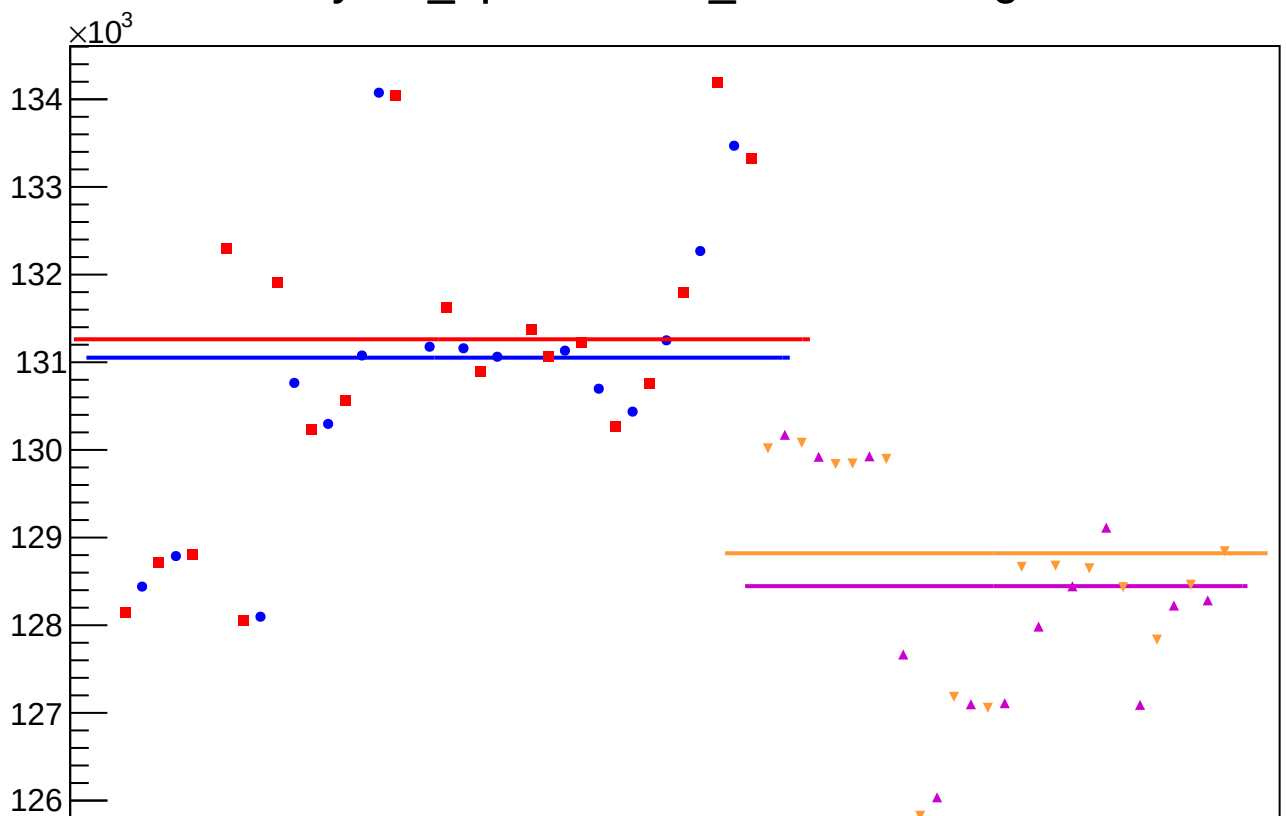
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 189.751+/-0.041 χ^2/NDF:480612.1/12

+ sign 180.136+/-0.031 χ^2/NDF: 1658026.1/30

All: 176.936+/-0.021 χ^2/NDF: 3641951.8/62

- sign 173.835+/-0.030 χ^2/NDF: 1962267.2/31



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128821.195+/-0.054 χ^2/NDF:434556982.3/14

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

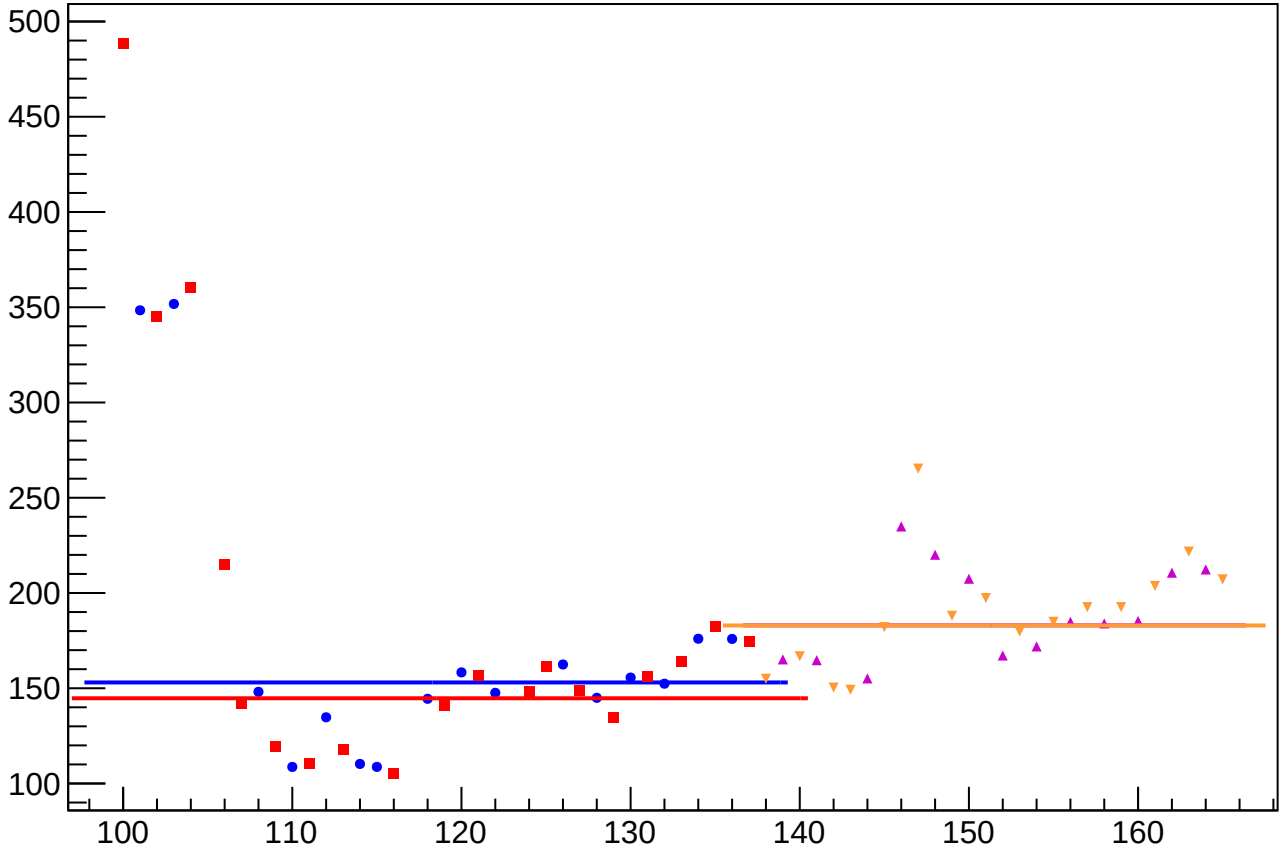
Left In: 128446.098+/-0.056 χ^2/NDF:501778334.2/12

+ sign 129816.224+/-0.040 χ^2/NDF: 1708350656.7

All: 129831.078+/-0.028 χ^2/NDF: 40572263

- sign 129845.529+/-0.040 χ^2/NDF: 2348610224.6/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 182.942+/-0.038 χ^2/NDF:446565.9/14

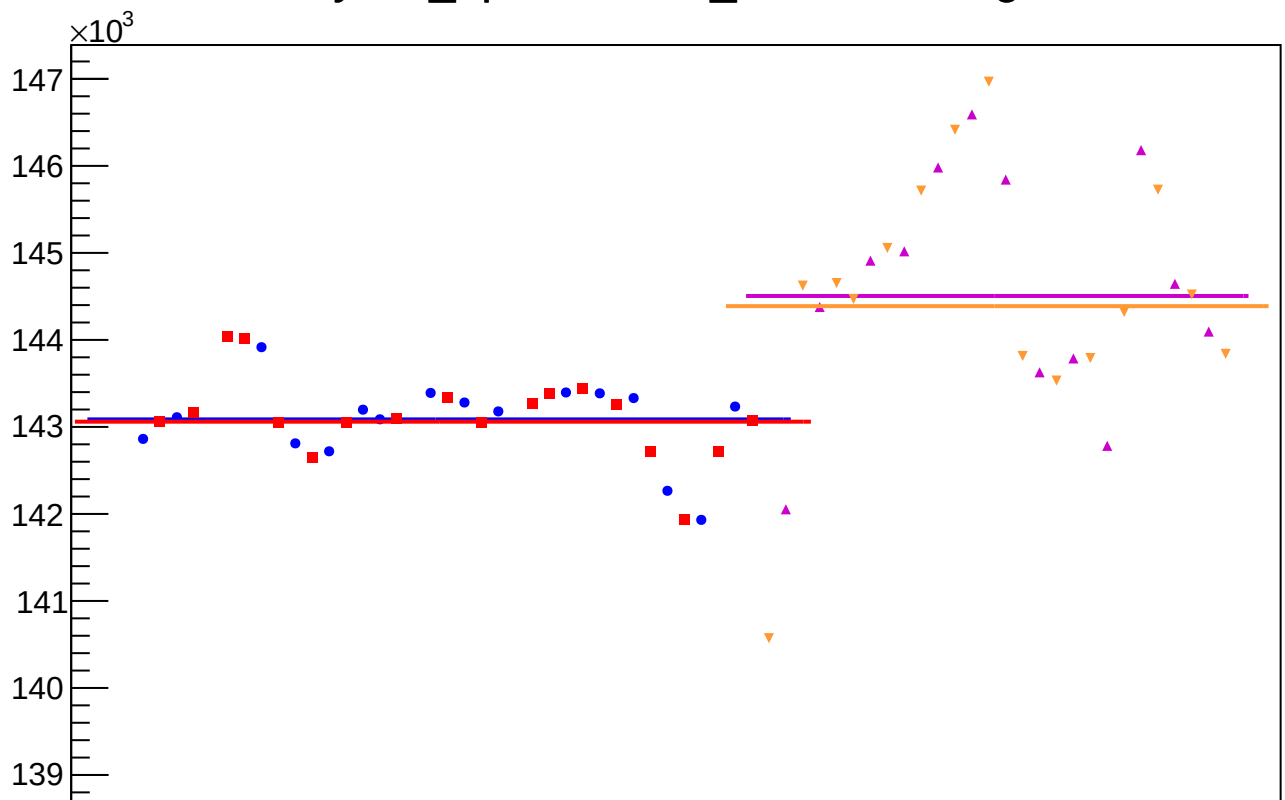
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 182.995+/-0.040 χ^2/NDF:326464.8/12

+ sign 169.608+/-0.029 χ^2/NDF: 1775427.4/30

All: 166.756+/-0.020 χ^2/NDF: 3843710.4/62

- sign 163.980+/-0.028 χ^2/NDF: 2048704.0/31



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144387.922+/-0.063 χ^2/NDF:598259464.4/14

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

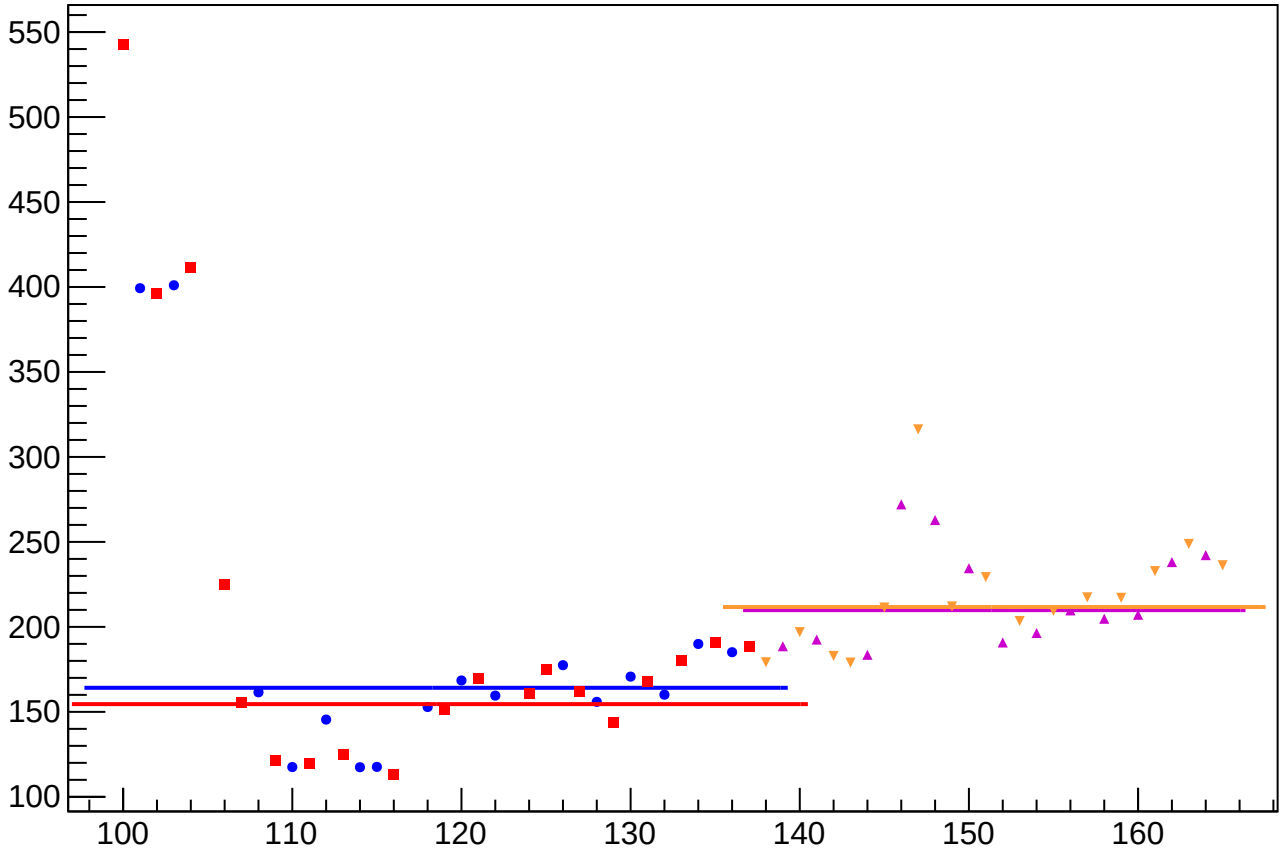
Left In: 144504.907+/-0.065 χ^2/NDF:429375965.1/12

+ sign 143758.538+/-0.045 χ^2/NDF: 851473816.3/3

All: 143747.523+/-0.032 χ^2/NDF: 15984118

- sign 143737.007+/-0.044 χ^2/NDF: 746822241.0/3

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 211.685+/-0.045 χ^2/NDF:388525.7/14

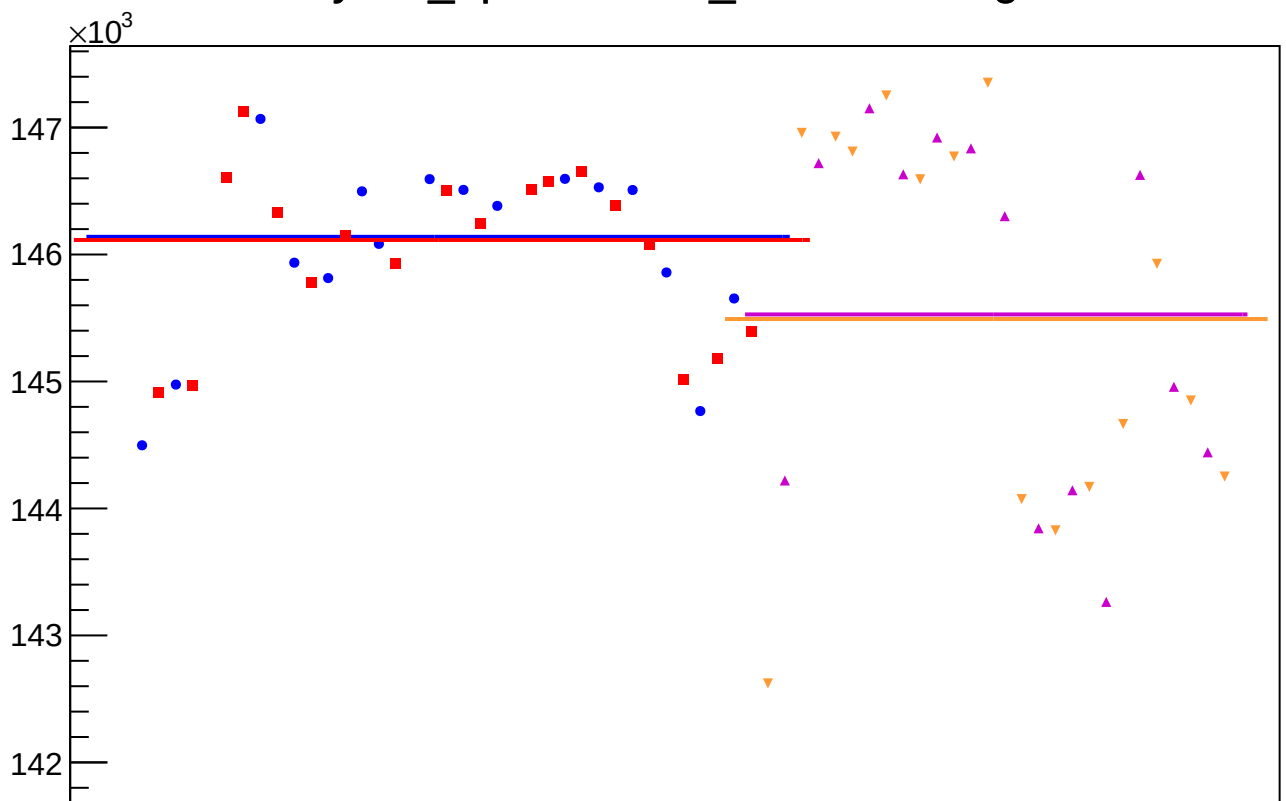
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 209.853+/-0.046 χ^2/NDF:317353.1/12

+ sign 188.705+/-0.032 χ^2/NDF: 2068836.6/30

All: 184.487+/-0.022 χ^2/NDF: 4565592.6/62

- sign 180.461+/-0.031 χ^2/NDF: 2462809.3/31



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145492.016+/-0.062 χ^2/NDF:619084329.8/14

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

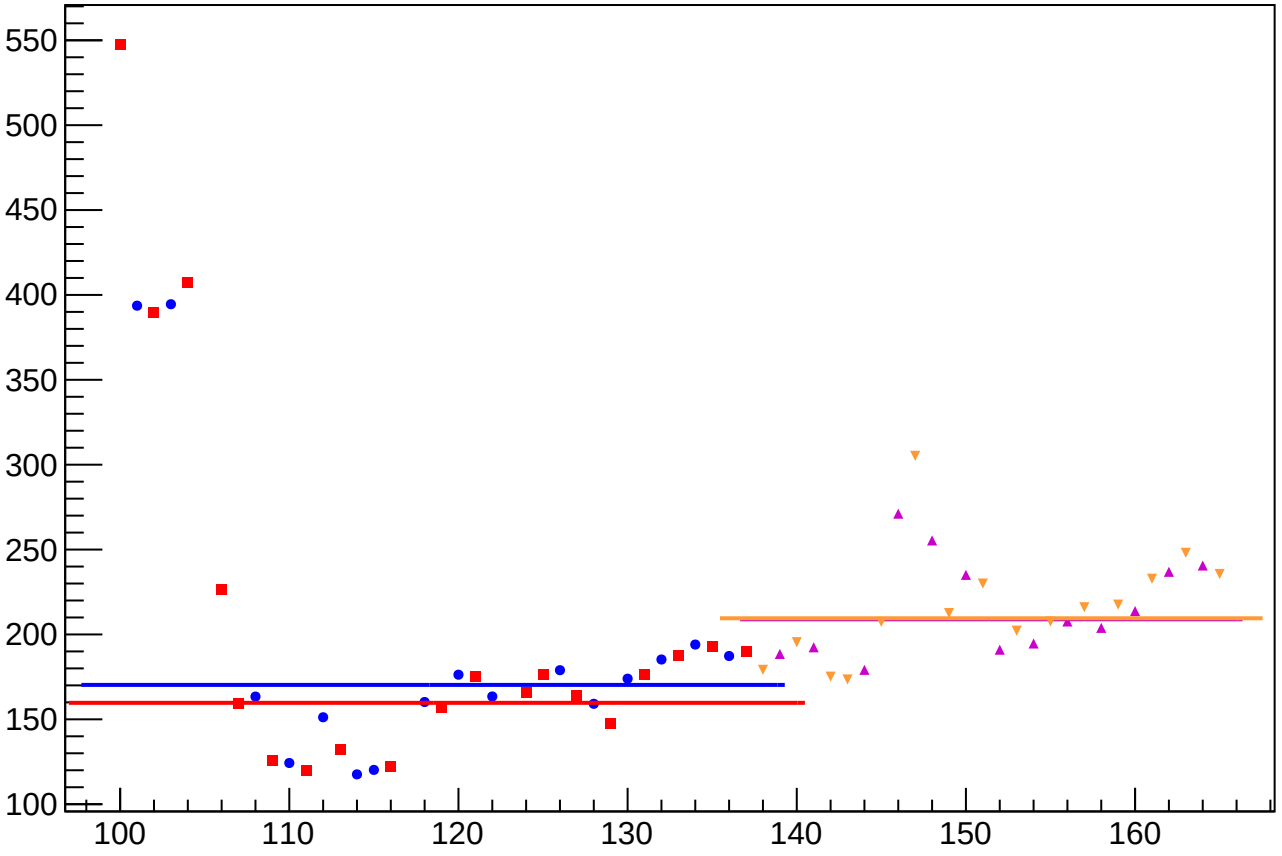
Left In: 145528.020+/-0.064 χ^2/NDF:469991836.2/12

+ sign 145790.283+/-0.046 χ^2/NDF: 740534965.3/3

All: 145810.471+/-0.032 χ^2/NDF: 13267660

- sign 145829.849+/-0.045 χ^2/NDF: 585849437.3/3

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 209.520+/-0.044 χ^2/NDF:403788.2/14

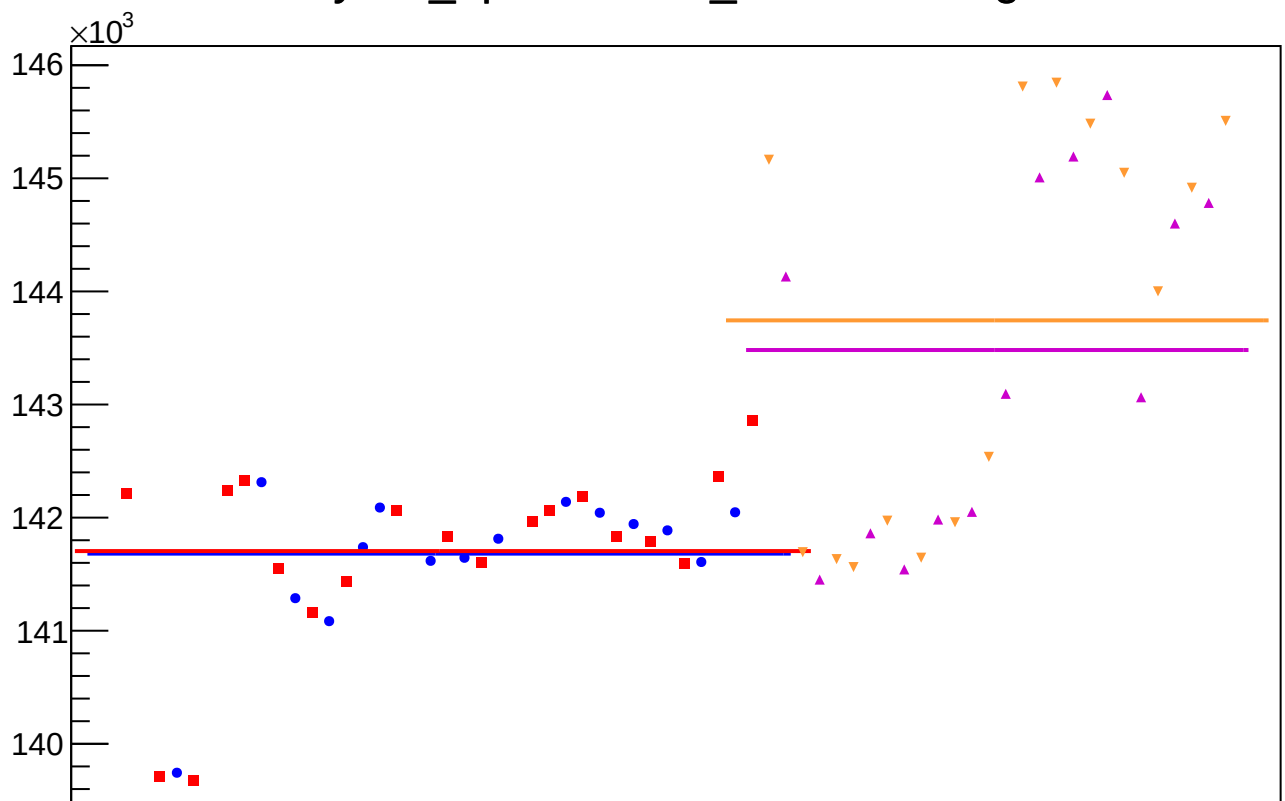
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 208.911+/-0.045 χ^2/NDF:316199.7/12

+ sign 191.436+/-0.032 χ^2/NDF: 1827026.9/30

All: 187.436+/-0.023 χ^2/NDF: 4066056.8/62

- sign 183.596+/-0.032 χ^2/NDF: 2209060.1/31



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143744.014+/-0.066 χ^2/NDF:691952787.4/14

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

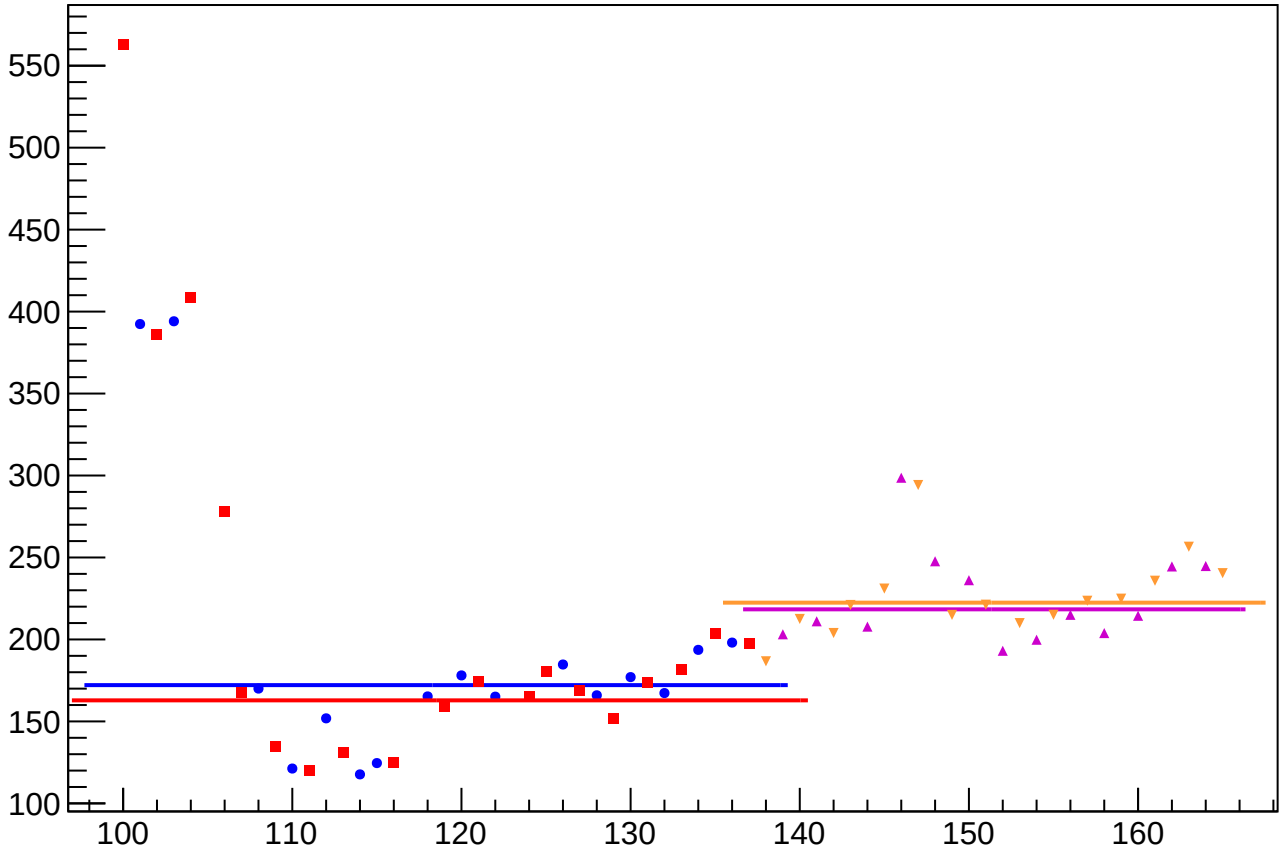
Left In: 143481.961+/-0.067 χ^2/NDF:486291014.2/12

+ sign 142750.629+/-0.047 χ^2/NDF: 1229131303.0

All: 142646.250+/-0.033 χ^2/NDF: 21584813

- sign 142546.717+/-0.046 χ^2/NDF: 919870079.4/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 222.449+/-0.047 χ^2/NDF:217687.2/14

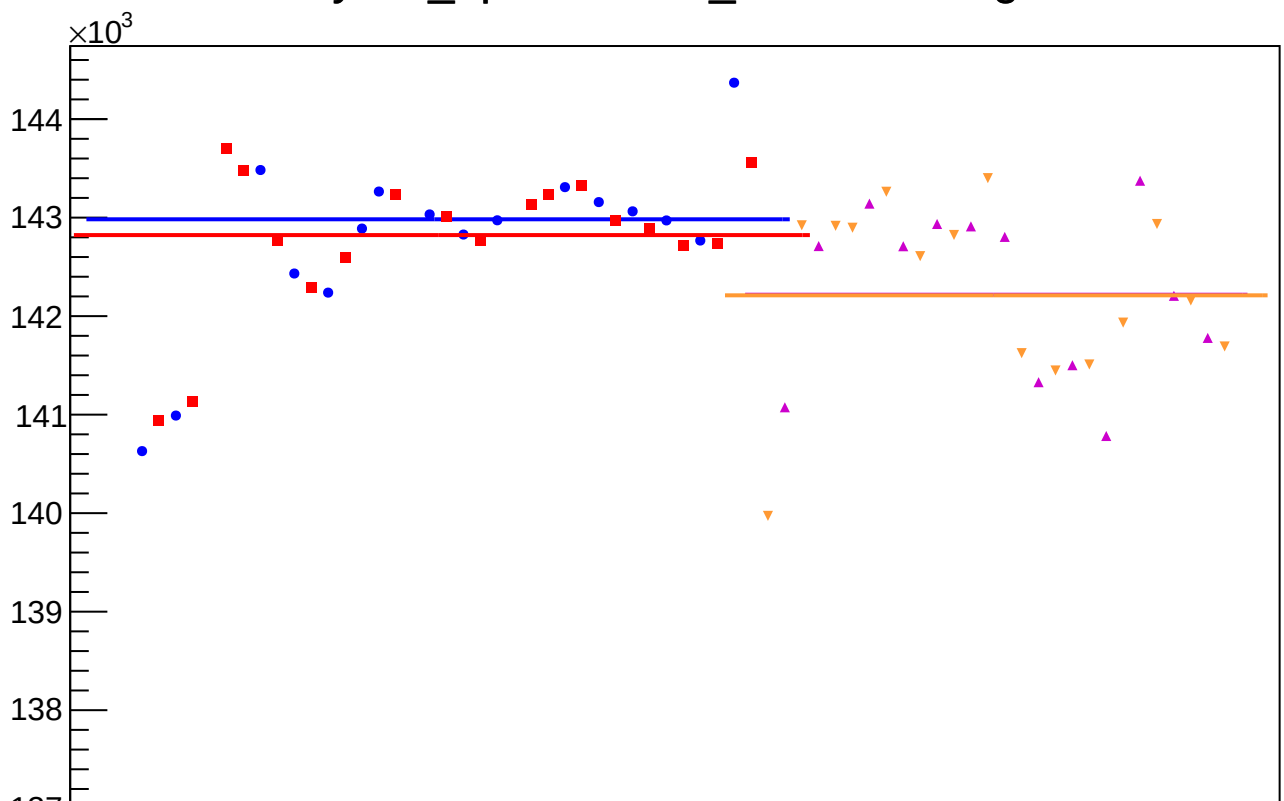
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 218.362+/-0.048 χ^2/NDF:259021.6/12

+ sign 198.214+/-0.034 χ^2/NDF: 1849207.7/30

All: 193.577+/-0.023 χ^2/NDF: 4169373.0/62

- sign 189.156+/-0.033 χ^2/NDF: 2282752.9/31



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142211.212+/-0.061 χ^2/NDF:250401404.8/14

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

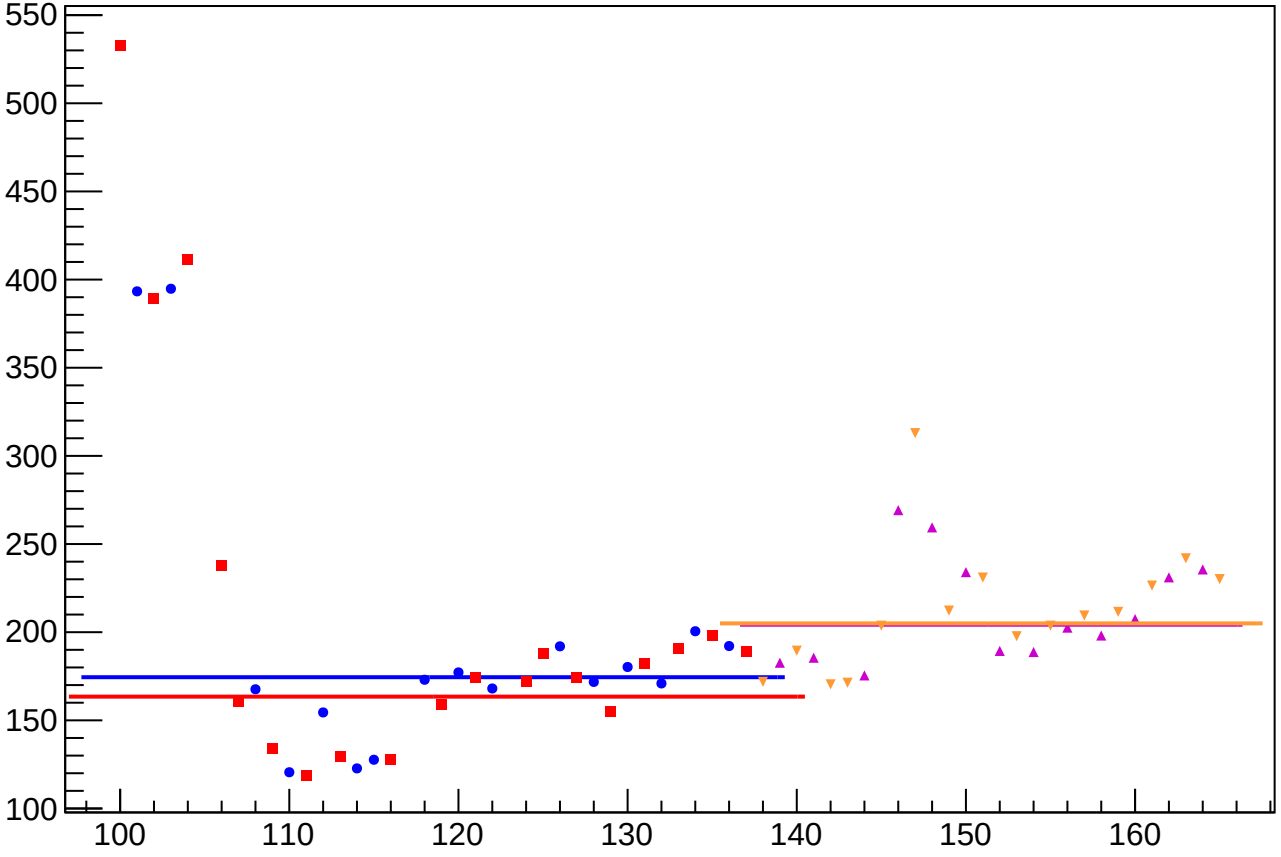
Left In: 142217.362+/-0.063 χ^2/NDF:190446806.9/12

+ sign 142548.949+/-0.046 χ^2/NDF: 428236737.7/3

All: 142531.481+/-0.032 χ^2/NDF: 72803732

- sign 142514.652+/-0.045 χ^2/NDF: 299513941.4/3

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 204.993+/-0.043 χ^2/NDF:452944.3/14

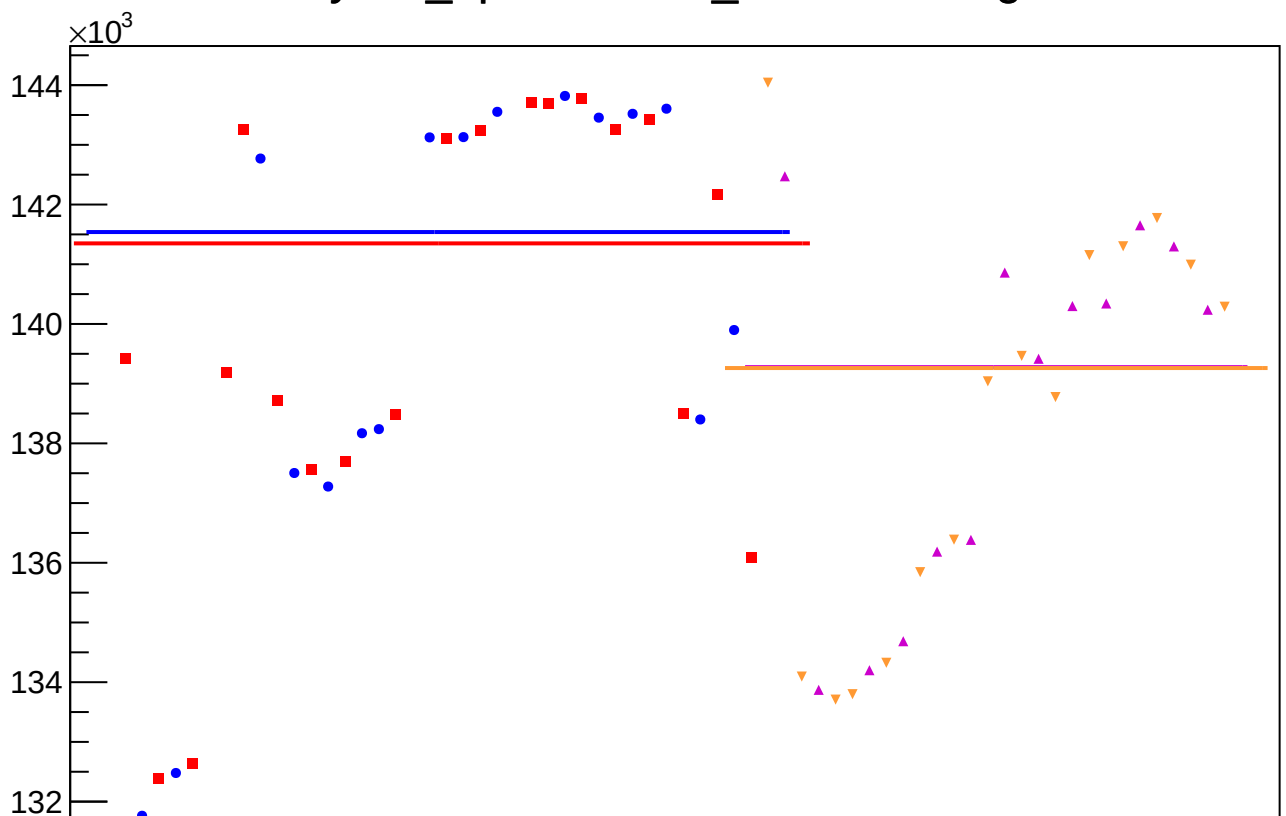
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 204.231+/-0.044 χ^2/NDF:358159.3/12

+ sign 191.635+/-0.032 χ^2/NDF: 1721513.6/30

All: 187.850+/-0.023 χ^2/NDF: 3801974.4/62

- sign 184.203+/-0.032 χ^2/NDF: 2053544.1/31



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139261.602+/-0.090 χ^2/NDF:1413044572.1/14

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

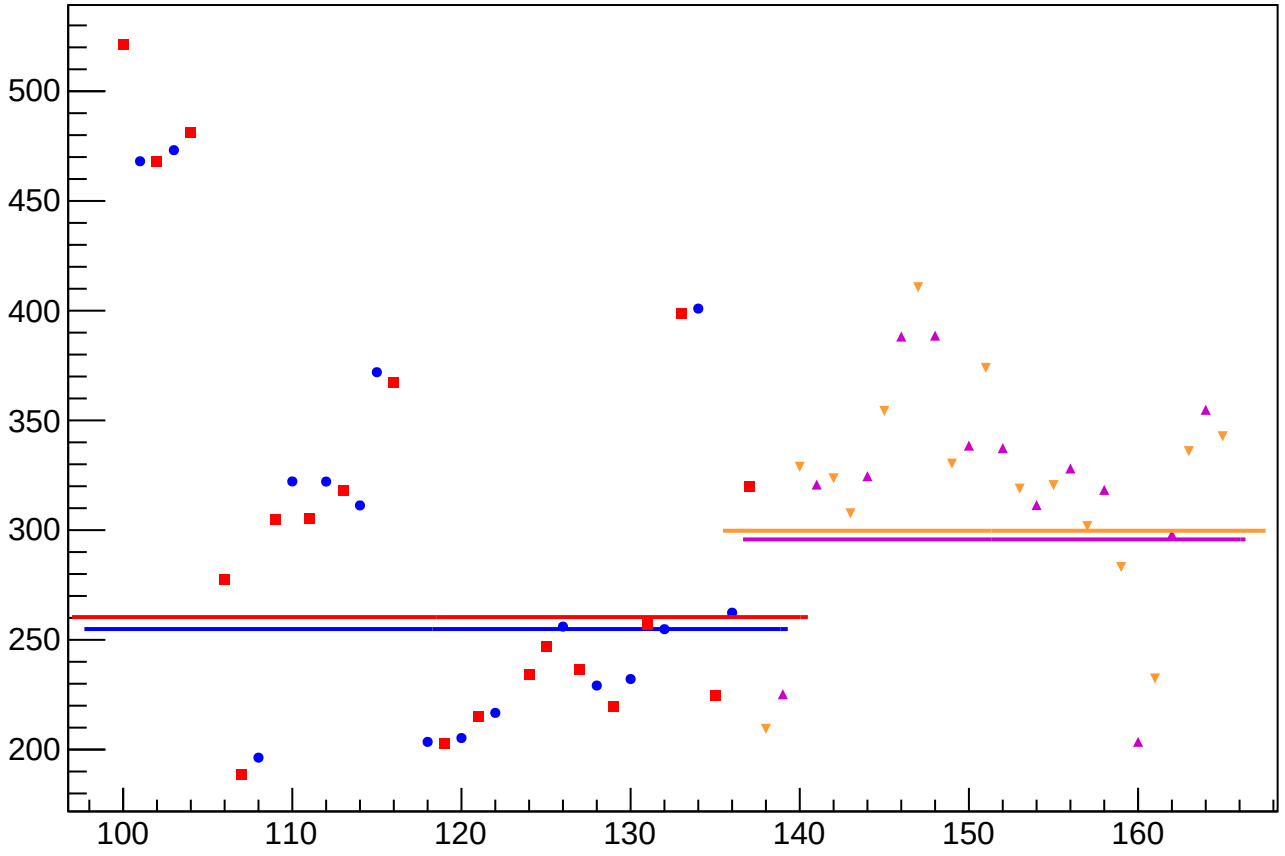
Left In: 139277.336+/-0.093 χ^2/NDF:1032713038.4/12

+ sign 140273.397+/-0.067 χ^2/NDF: 2644562805.4

All: 140249.042+/-0.048 χ^2/NDF: 48326085

- sign 140223.875+/-0.068 χ^2/NDF: 2187778611.5/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 299.721+/-0.064 χ^2/NDF:725034.2/14

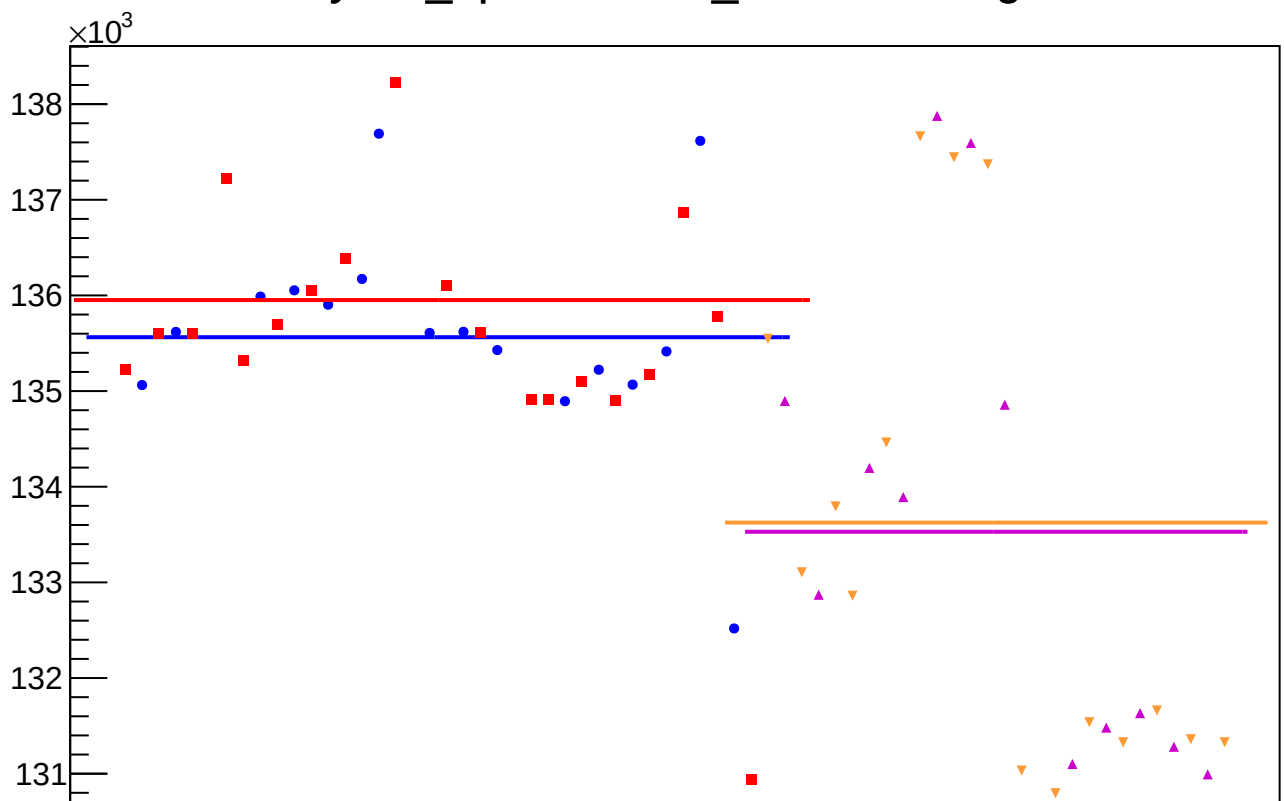
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 295.764+/-0.066 χ^2/NDF:820468.7/12

+ sign 279.821+/-0.048 χ^2/NDF: 1894540.9/30

All: 279.710+/-0.034 χ^2/NDF: 3841606.8/62

- sign 279.596+/-0.048 χ^2/NDF: 1947054.8/31



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133625.037+/-0.079 χ^2/NDF:670765825.6/14

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

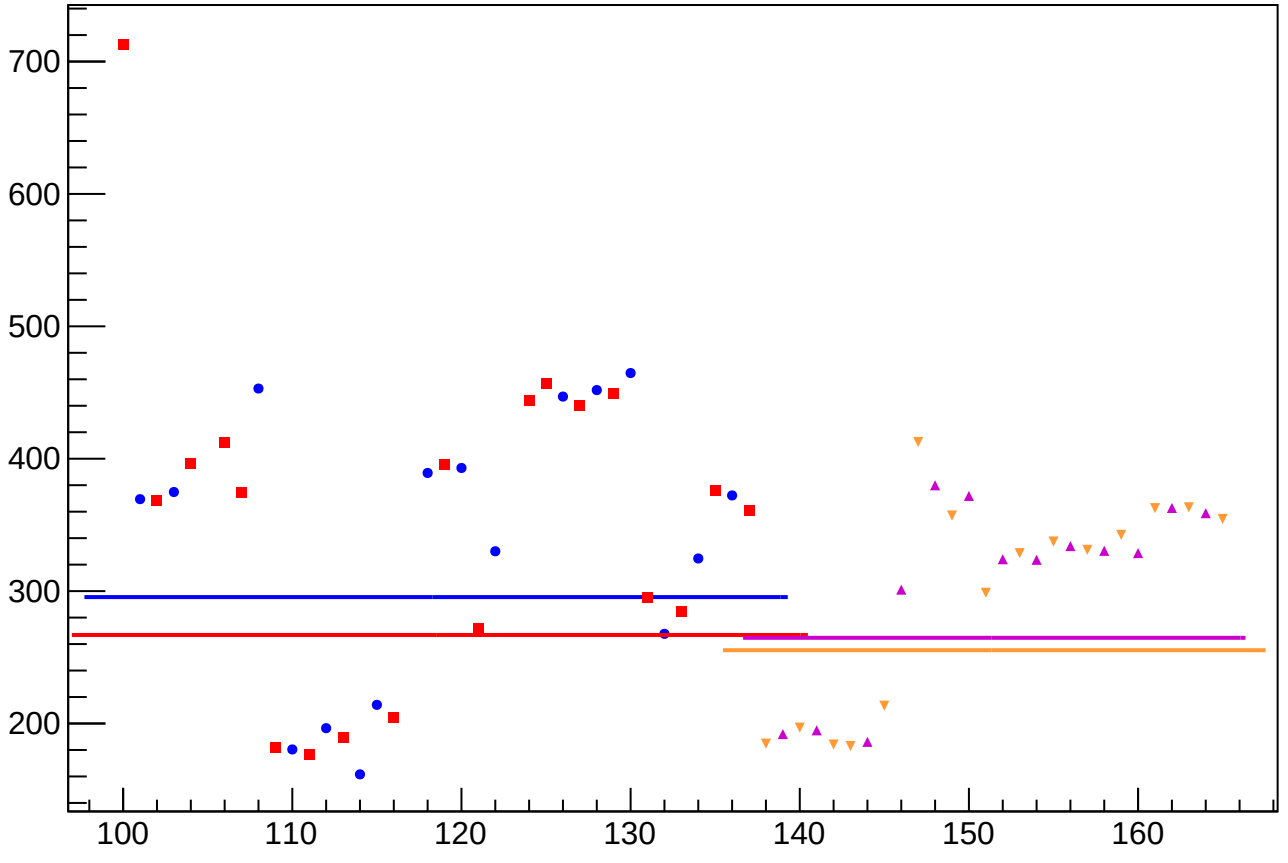
Left In: 133529.084+/-0.084 χ^2/NDF:530328160.5/12

+ sign 134219.917+/-0.066 χ^2/NDF: 950765742.8/3

All: 134340.084+/-0.047 χ^2/NDF: 18984628

- sign 134461.803+/-0.066 χ^2/NDF: 940936929.7/3

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 255.341+/-0.056 χ^2/NDF:1947446.0/14

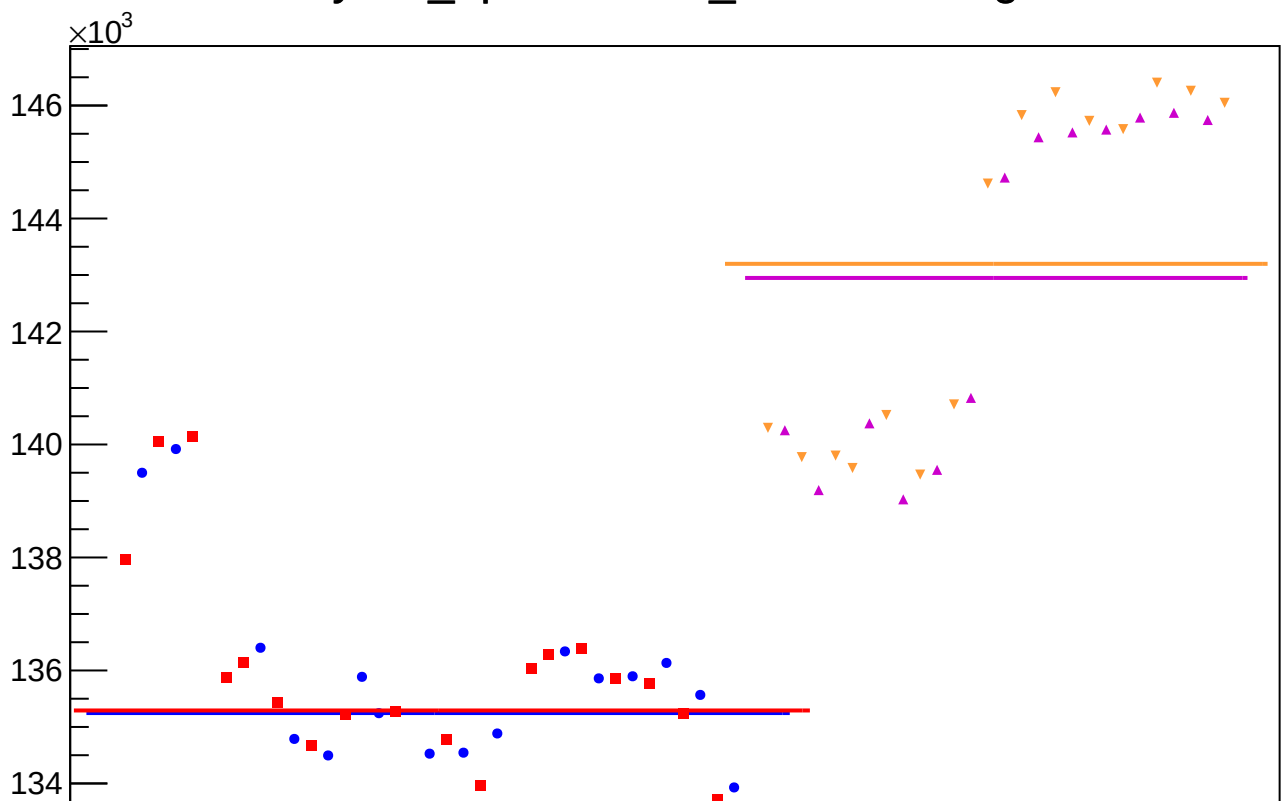
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.741+/-0.060 χ^2/NDF:1606743.7/12

+ sign 267.662+/-0.046 χ^2/NDF: 3549416.5/30

All: 266.617+/-0.033 χ^2/NDF: 6835746.7/62

- sign 265.558+/-0.047 χ^2/NDF: 3285307.4/31



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143197.698+/-0.057 χ^2/NDF:2597691664.9/14

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

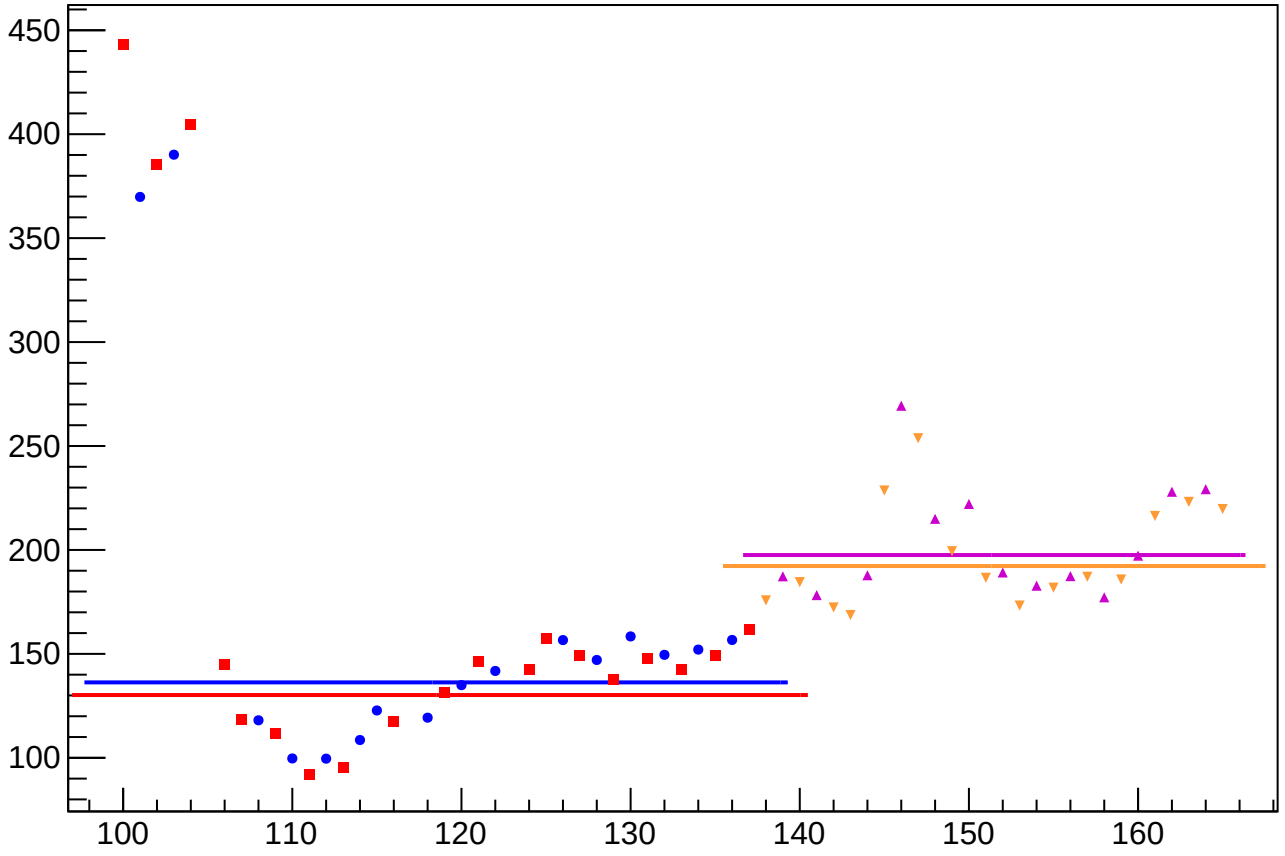
Left In: 142947.904+/-0.061 χ^2/NDF:2149261174.9/12

+ sign 139054.647+/-0.040 χ^2/NDF: 1309871377

All: 138779.647+/-0.028 χ^2/NDF: 2491450

- sign 138505.778+/-0.039 χ^2/NDF: 11719055955.

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 192.256+/-0.040 χ^2/NDF:292263.9/14

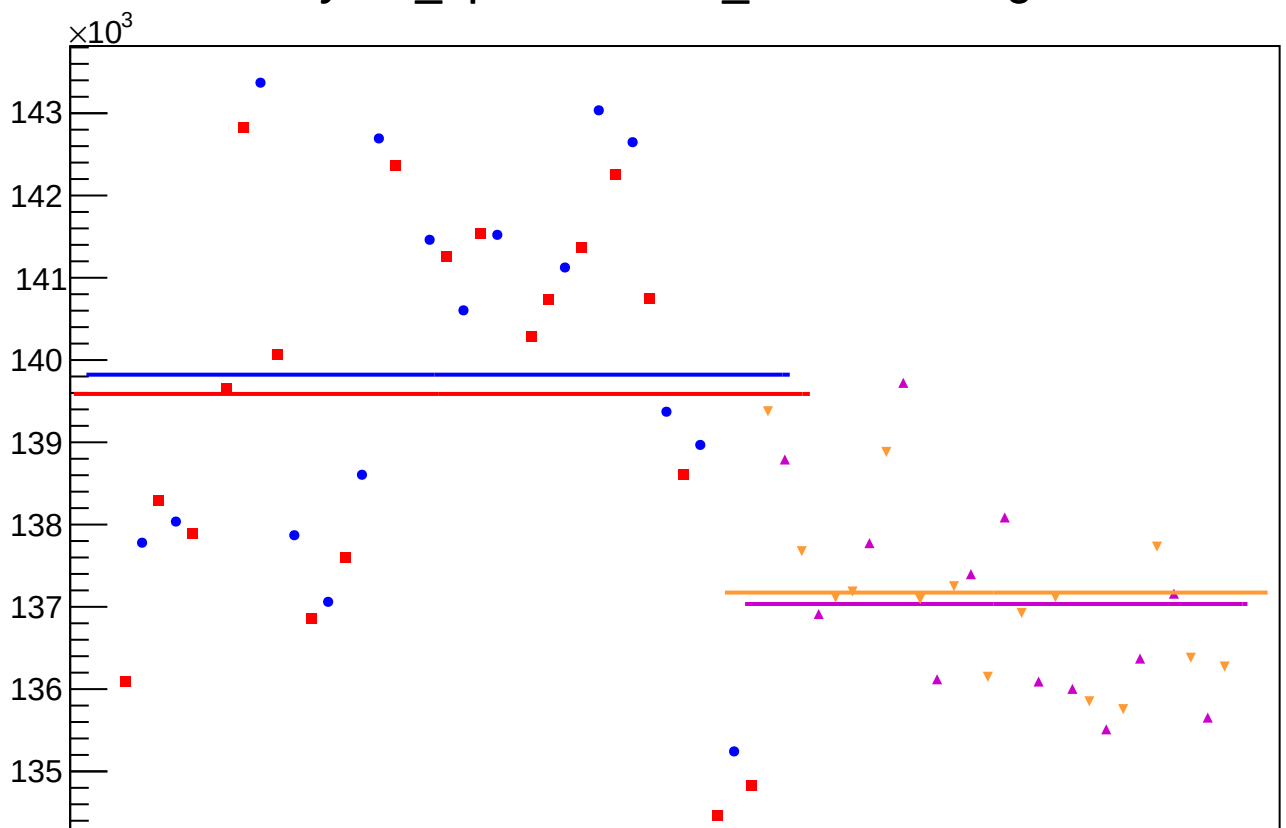
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 197.548+/-0.043 χ^2/NDF:274305.8/12

+ sign 163.093+/-0.028 χ^2/NDF: 2678460.0/30

All: 160.779+/-0.020 χ^2/NDF: 5909035.8/62

- sign 158.475+/-0.028 χ^2/NDF: 3216885.0/31



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137173.451+/-0.059 χ^2/NDF:304380982.9/14

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

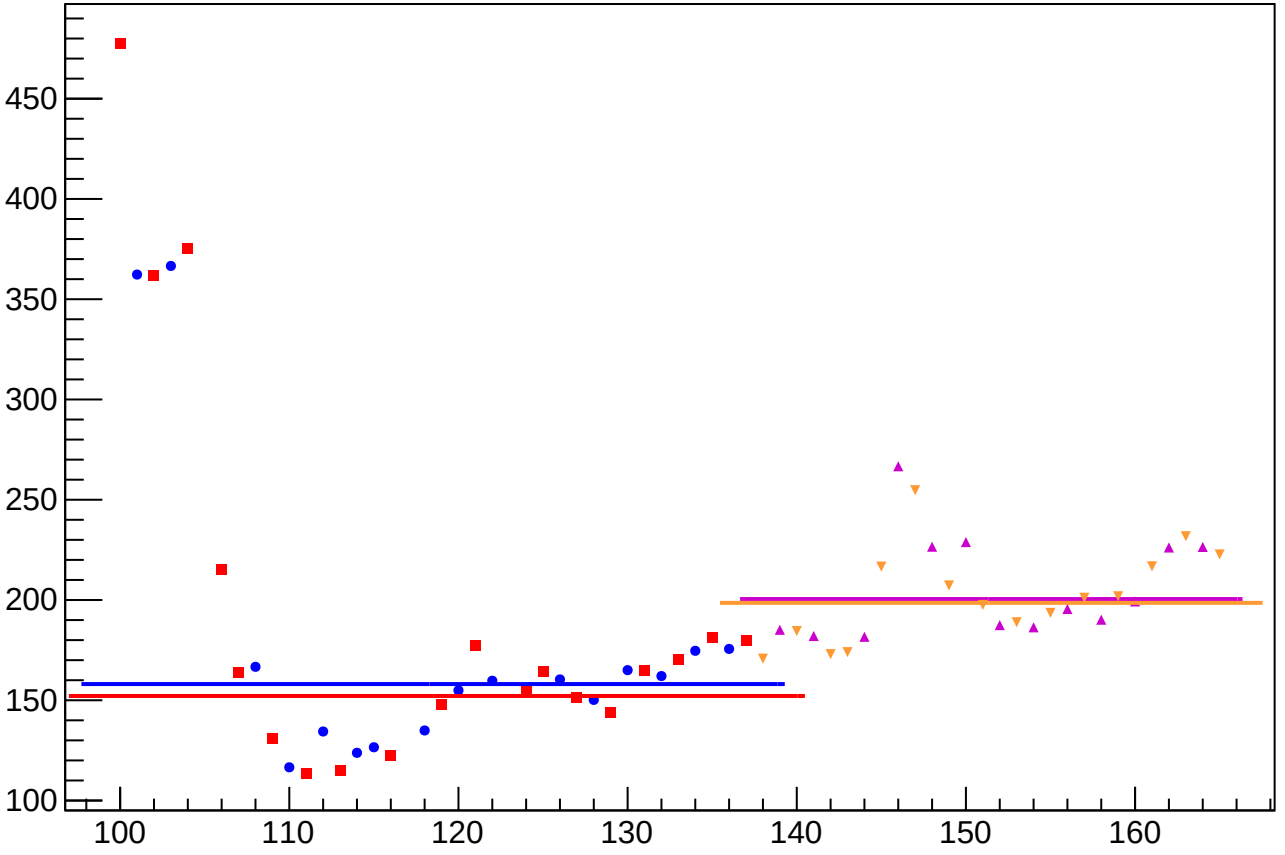
Left In: 137034.790+/-0.062 χ^2/NDF:349782944.4/12

+ sign 138420.678+/-0.043 χ^2/NDF: 2915241906.0

All: 138388.296+/-0.030 χ^2/NDF: 563082913

- sign 138355.896+/-0.043 χ^2/NDF: 2714450131.6/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 198.577+/-0.042 χ^2/NDF:256719.7/14

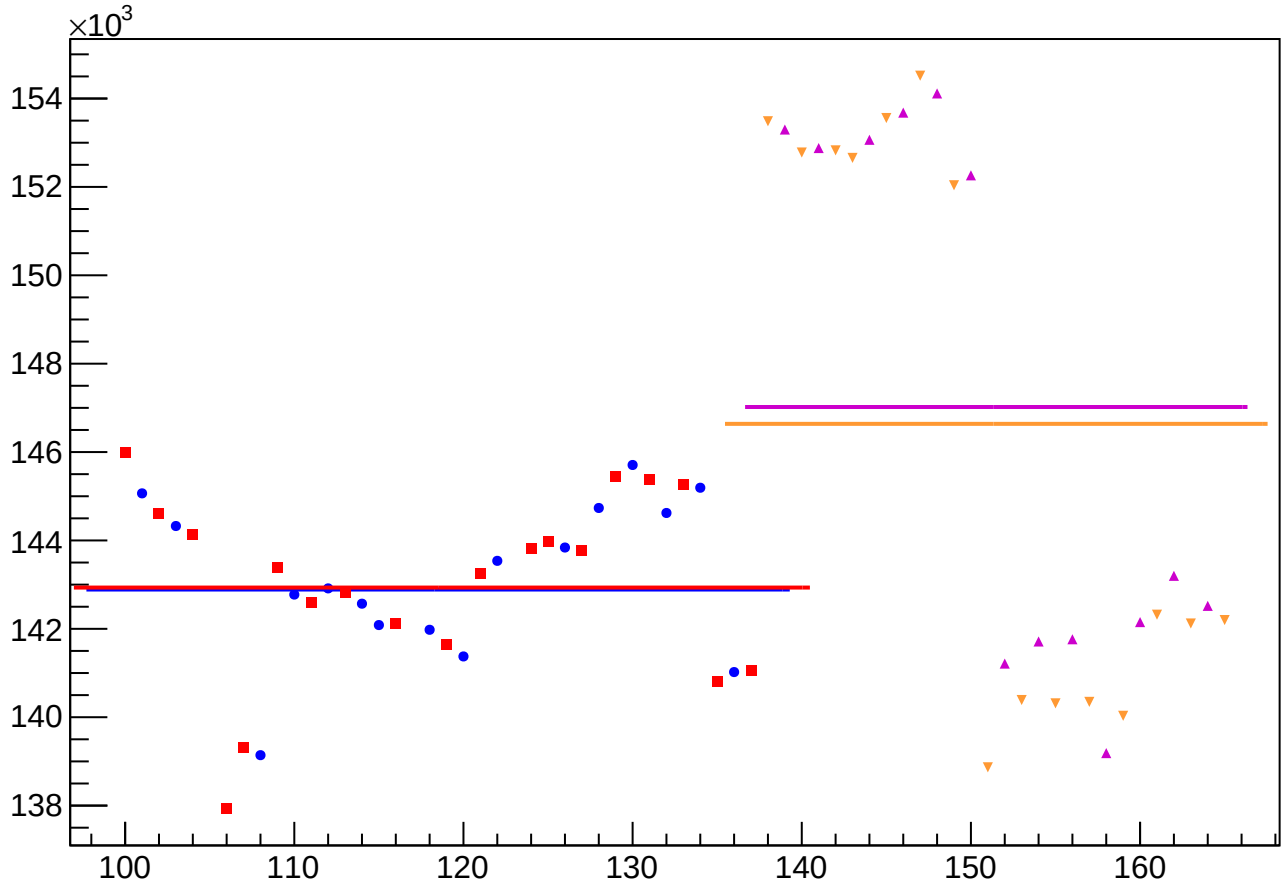
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 200.476+/-0.044 χ^2/NDF:262353.8/12

+ sign 179.507+/-0.030 χ^2/NDF: 1717650.5/30

All: 177.486+/-0.021 χ^2/NDF: 3850022.8/62

- sign 175.464+/-0.030 χ^2/NDF: 2123511.7/31



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146638.261+/-0.060 χ^2/NDF:10928371666.6/14

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

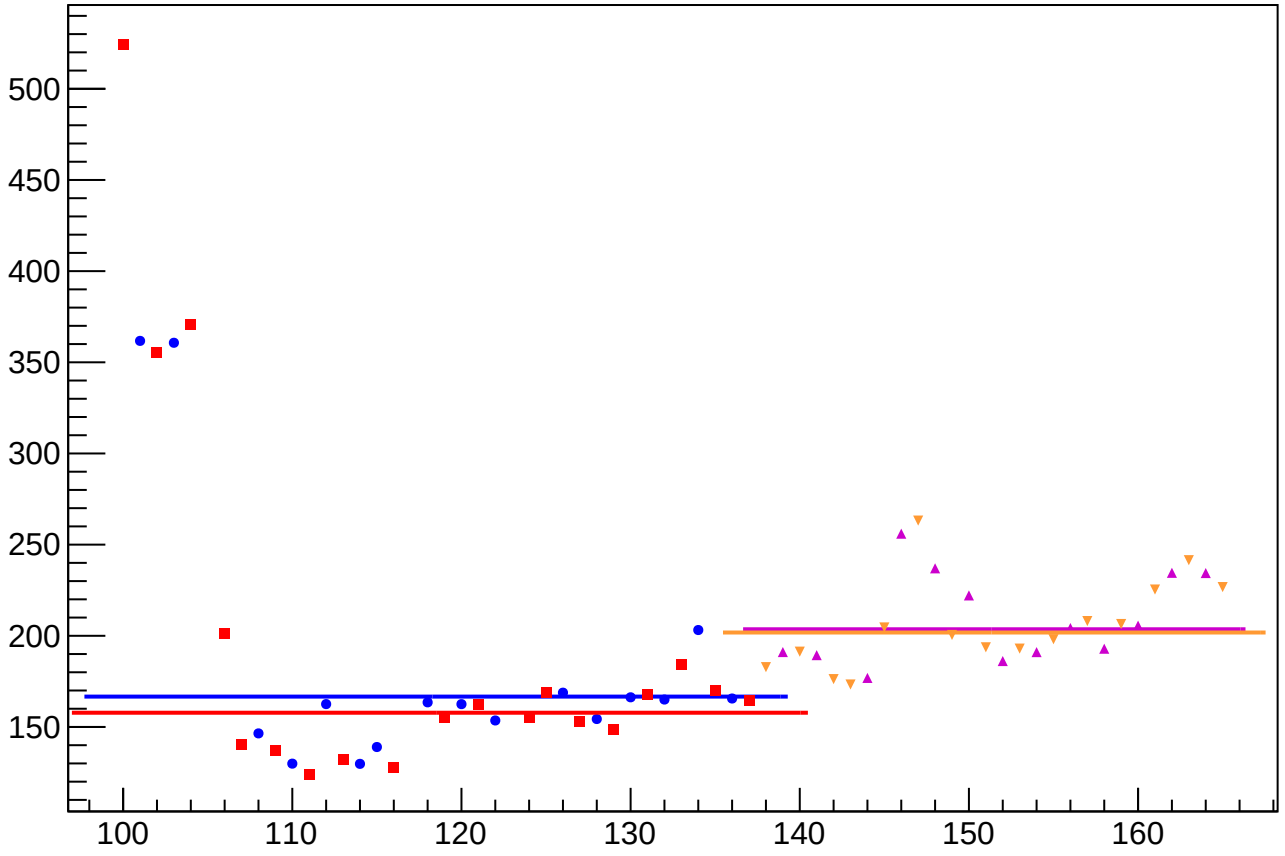
Left In: 147019.727+/-0.063 χ^2/NDF:8848888088.0/12

+ sign 144934.206+/-0.044 χ^2/NDF: 13468426808.

All: 144935.949+/-0.031 χ^2/NDF: 25266729

- sign 144937.665+/-0.044 χ^2/NDF: 1179829974

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 201.807+/-0.042 χ^2/NDF:256015.9/14

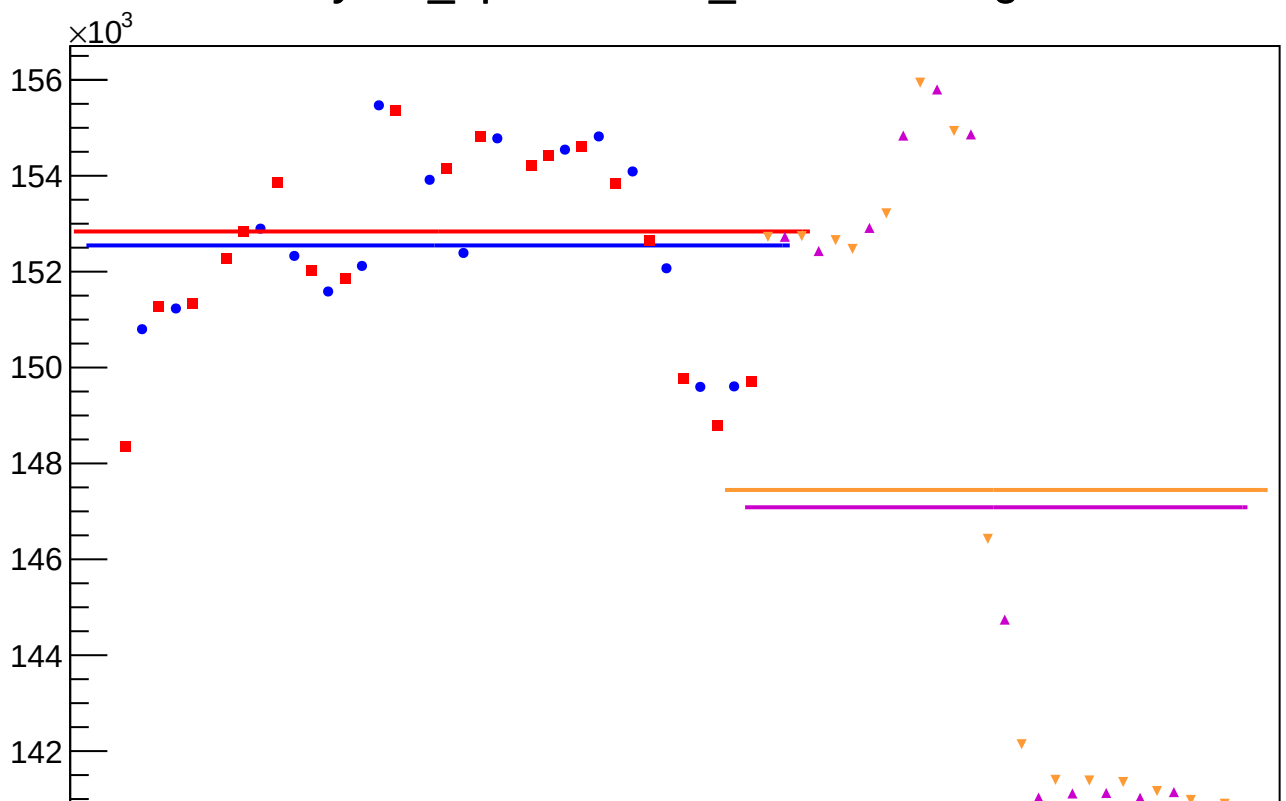
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 203.583+/-0.044 χ^2/NDF:249491.3/12

+ sign 185.829+/-0.031 χ^2/NDF: 1431988.9/30

All: 183.021+/-0.022 χ^2/NDF: 3262477.1/62

- sign 180.257+/-0.031 χ^2/NDF: 1814531.4/31



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147446.699+/-0.060 χ^2/NDF:9435898810.4/14

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

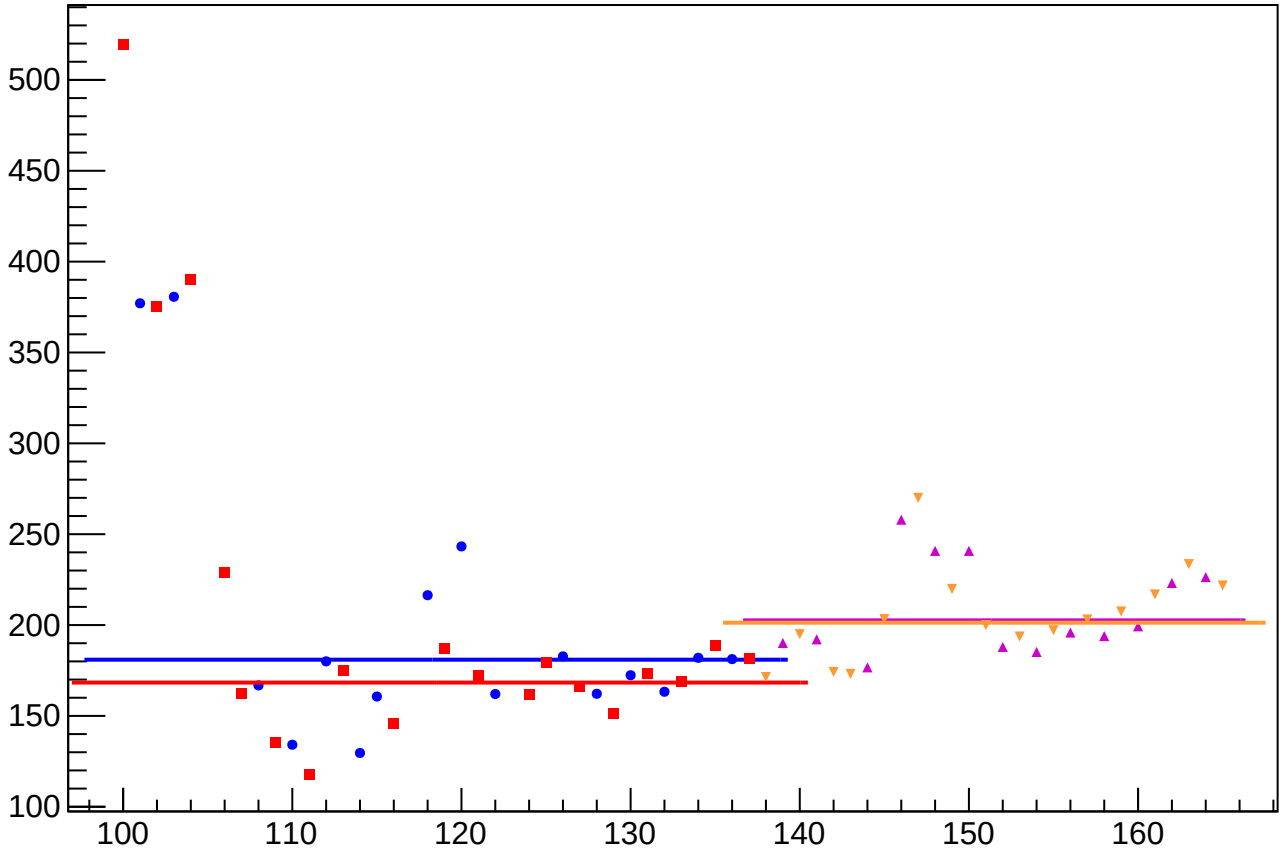
Left In: 147085.466+/-0.062 χ^2/NDF:9557098224.0/12

+ sign 149498.881+/-0.046 χ^2/NDF: 13038583852.

All: 149633.112+/-0.032 χ^2/NDF: 27328657

- sign 149764.015+/-0.045 χ^2/NDF: 14273299501.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 201.303+/-0.042 χ^2/NDF:283412.0/14

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

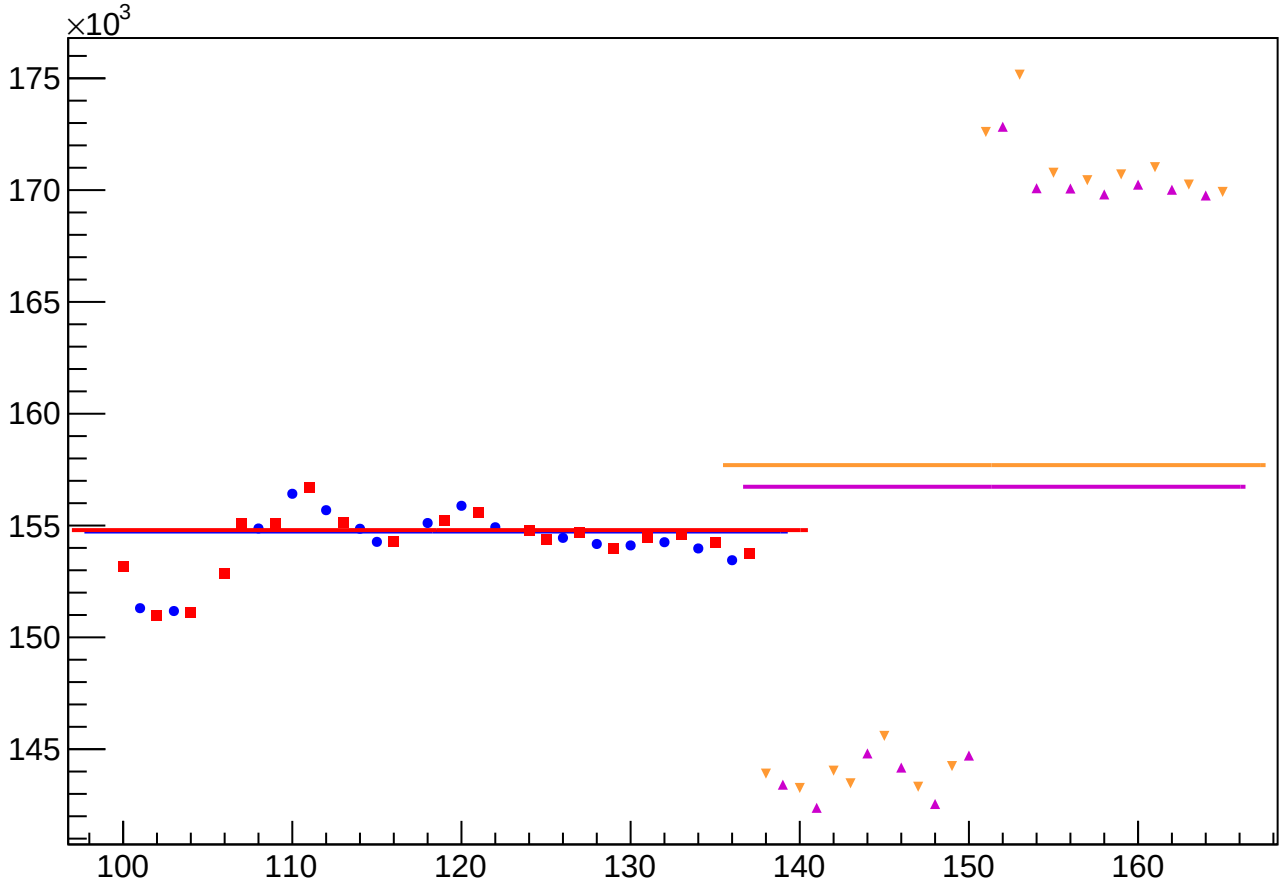
Left In: 202.574+/-0.044 χ^2/NDF:274087.0/12

+ sign 193.109+/-0.033 χ^2/NDF: 1285179.2/30

All: 189.833+/-0.023 χ^2/NDF: 2950068.7/62

- sign 186.638+/-0.032 χ^2/NDF: 1644904.0/31

yield_bpm1i02WS_mean vs Slug



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 157702.220+/-0.055 χ^2/NDF:63201356441.1/14

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

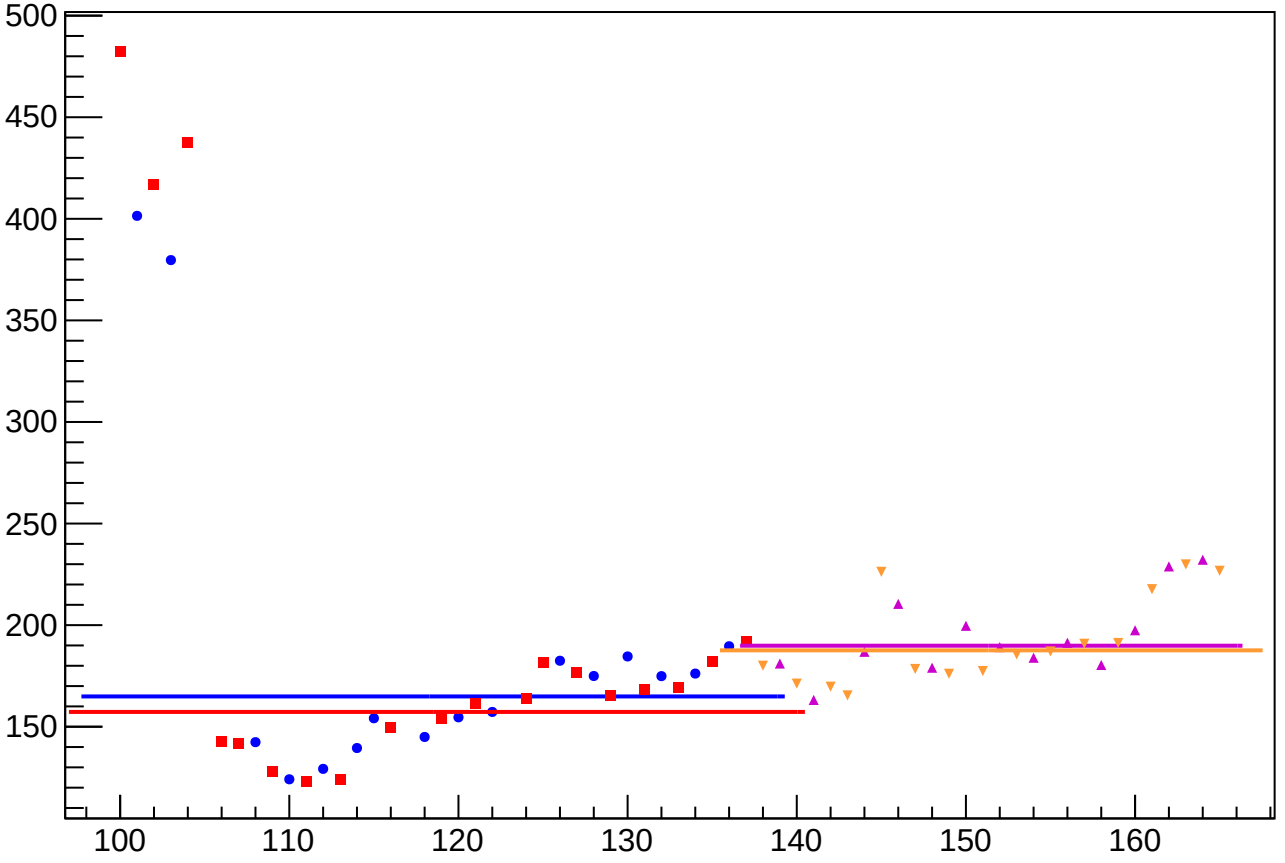
Left In: 156734.824+/-0.058 χ^2/NDF:54072926523.1/12

+ sign 156458.688+/-0.042 χ^2/NDF: 64681165701.

All: 156135.865+/-0.030 χ^2/NDF: 11970488

- sign 155815.112+/-0.042 χ^2/NDF: 54907014914.

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 187.589+/-0.039 χ^2/NDF:244509.3/14

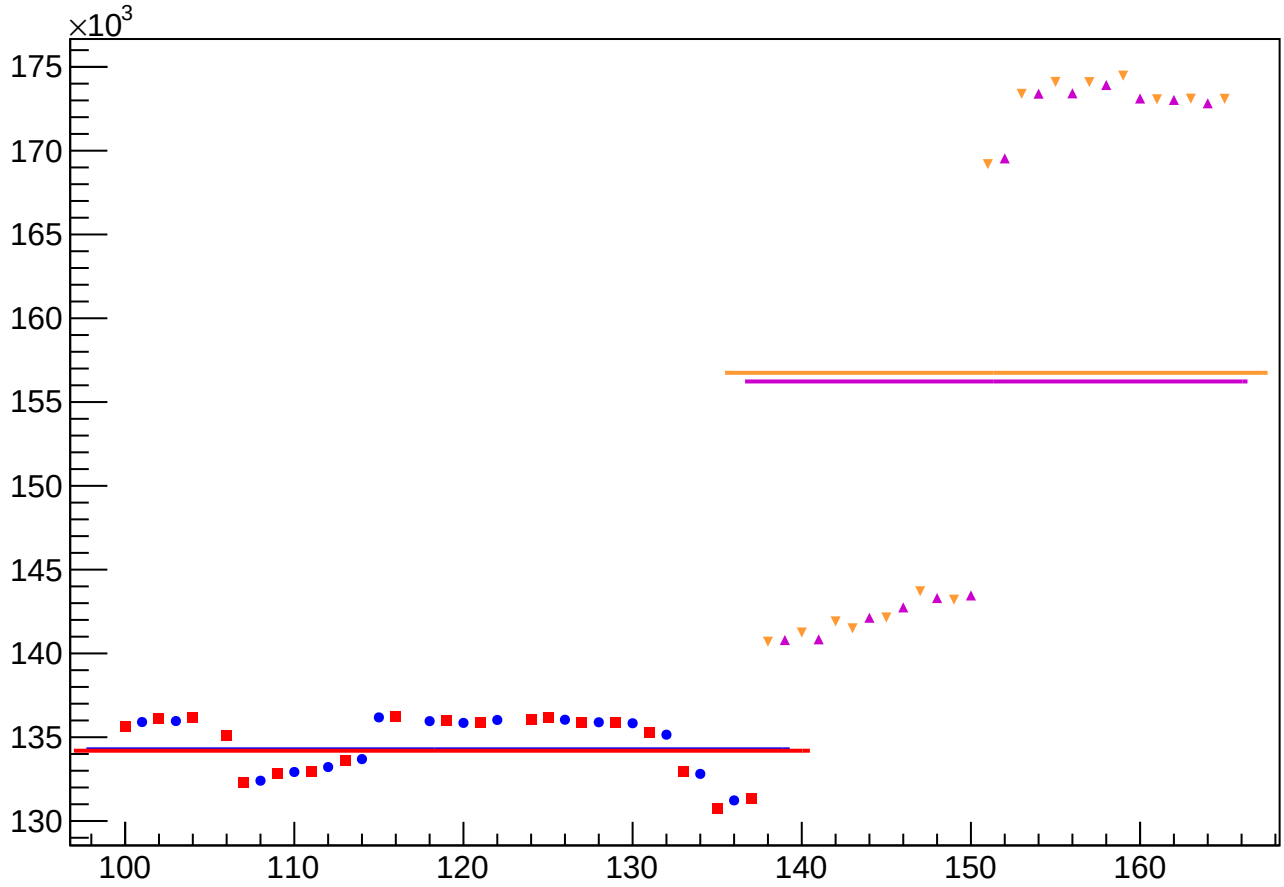
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 189.877+/-0.041 χ^2/NDF:173241.5/12

+ sign 178.089+/-0.030 χ^2/NDF: 1457939.4/30

All: 176.247+/-0.021 χ^2/NDF: 3193136.5/62

- sign 174.416+/-0.030 χ^2/NDF: 1727596.6/31



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 156746.264+/-0.056 χ^2/NDF:77070653142.2/14

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

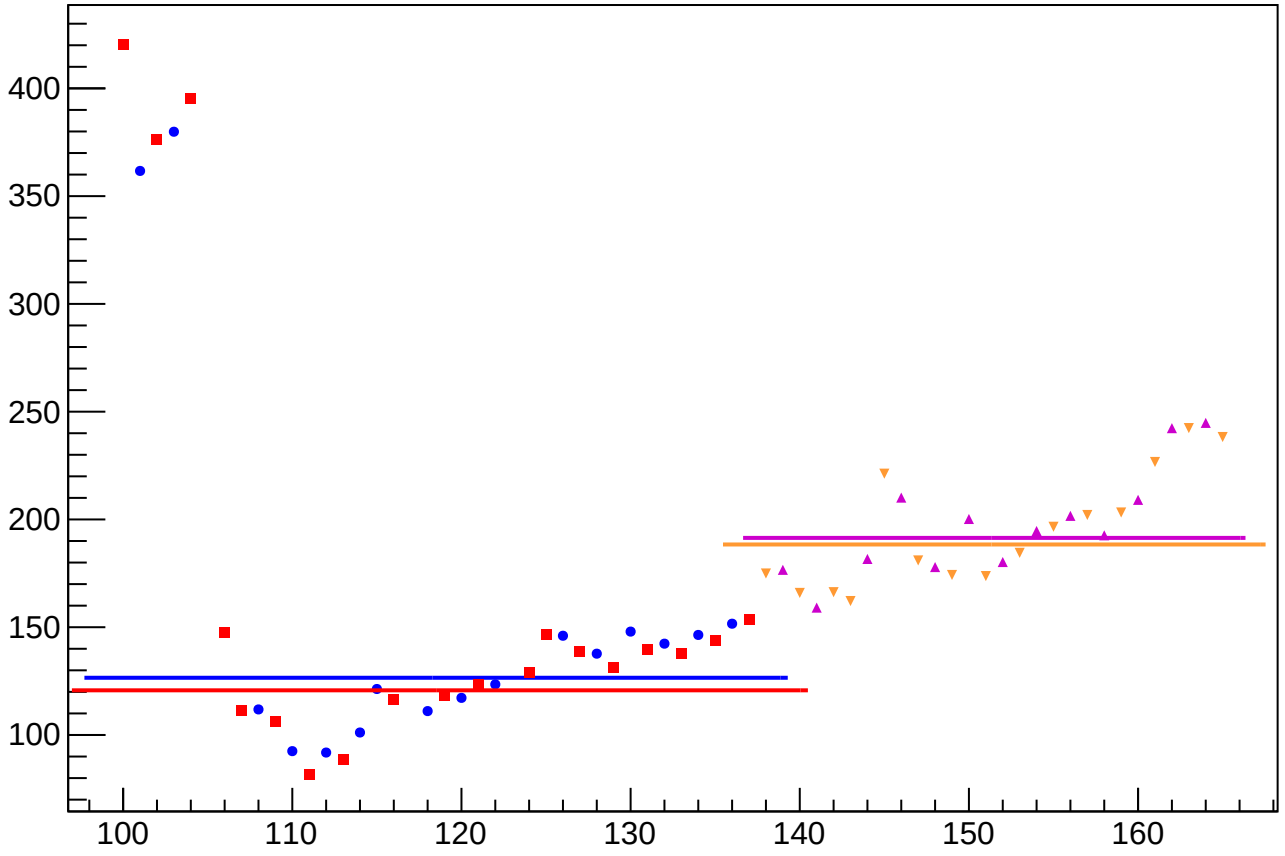
Left In: 156228.549+/-0.059 χ^2/NDF:67898931825.0/12

+ sign 144475.607+/-0.038 χ^2/NDF: 16693429021

All: 143741.411+/-0.026 χ^2/NDF: 3213102

- sign 143023.507+/-0.037 χ^2/NDF: 153620229653

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 188.387+/-0.039 χ^2/NDF:359014.1/14

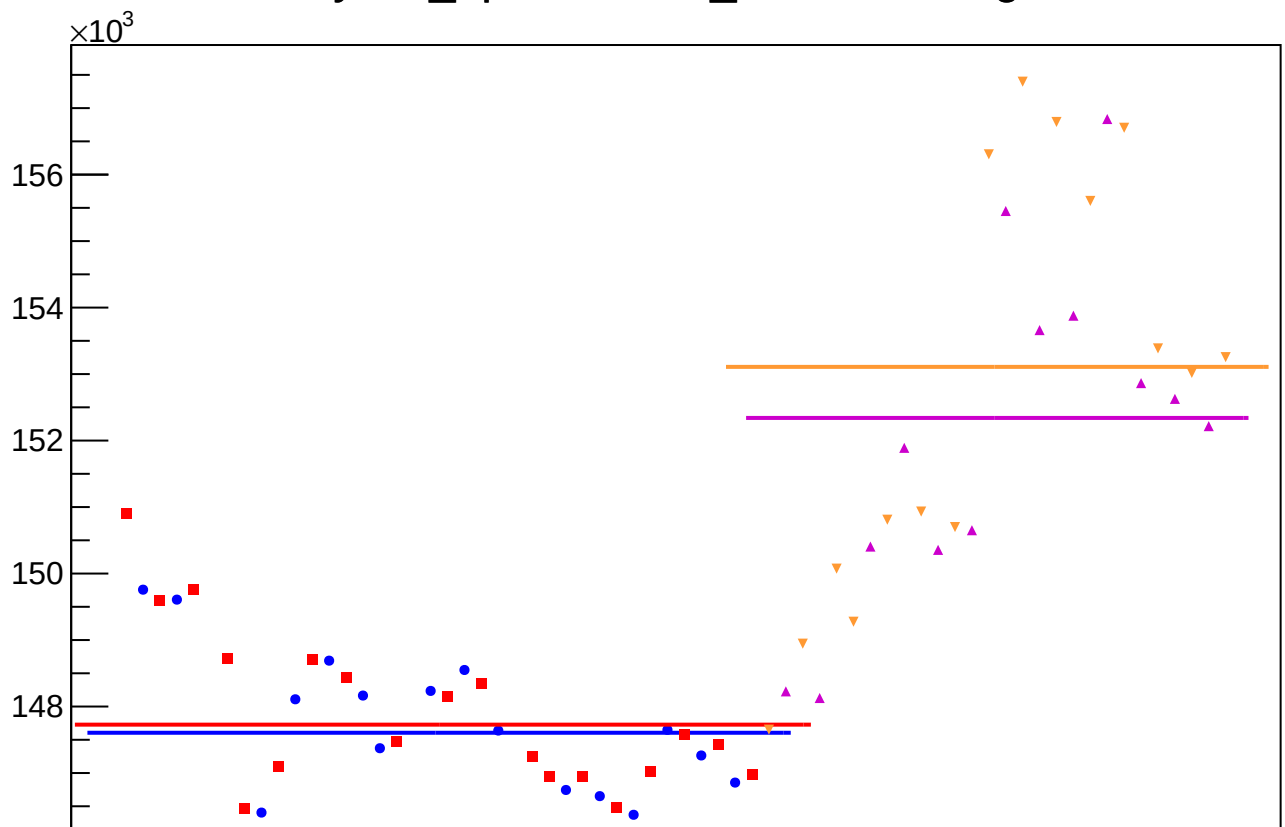
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 191.441+/-0.041 χ^2/NDF:265521.3/12

+ sign 154.619+/-0.027 χ^2/NDF: 3180221.7/30

All: 151.807+/-0.019 χ^2/NDF: 6841913.8/62

- sign 149.058+/-0.026 χ^2/NDF: 3639524.1/31



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153108.365+/-0.061 χ^2/NDF:2908454391.0/14

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

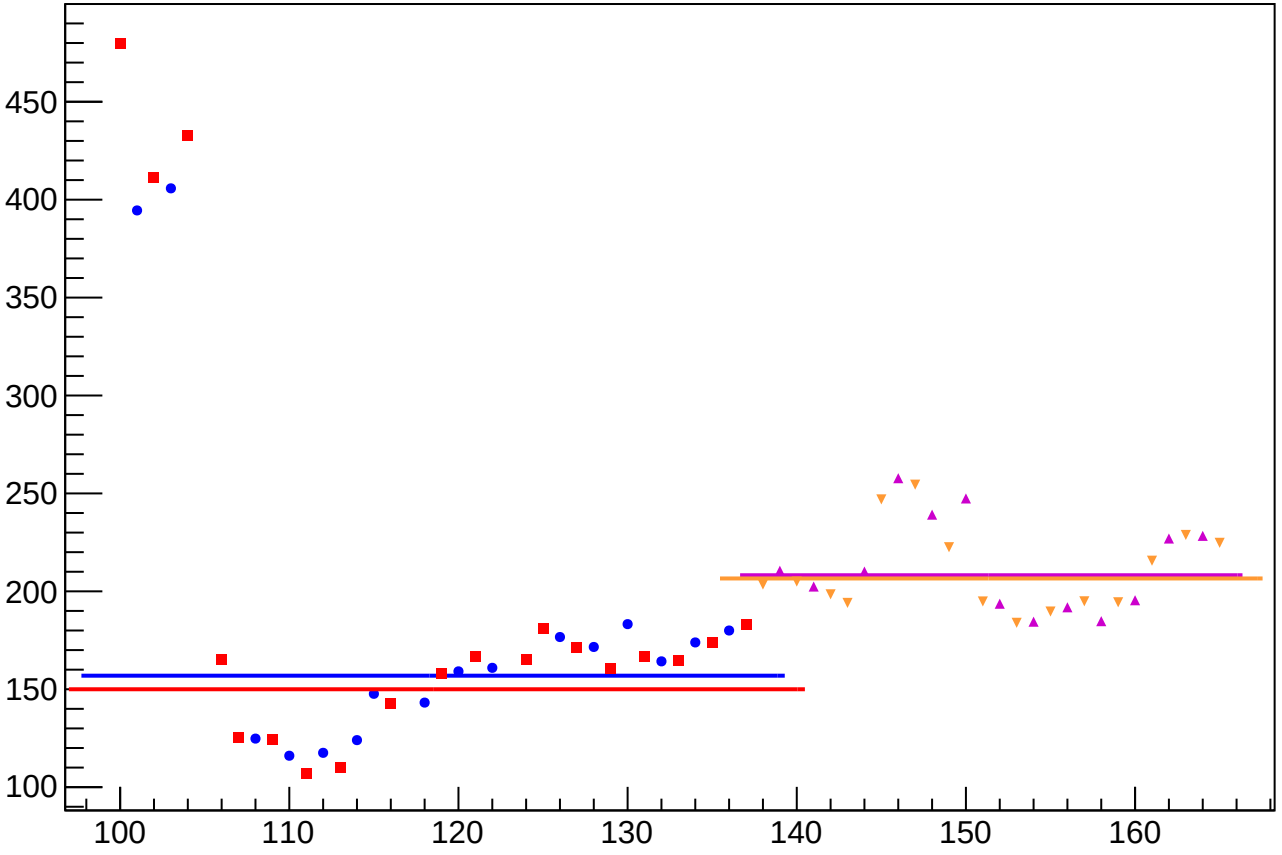
Left In: 152340.519+/-0.064 χ^2/NDF:1709991750.2/12

+ sign 150425.116+/-0.044 χ^2/NDF: 7084127155.7

All: 150136.538+/-0.031 χ^2/NDF: 11898079

- sign 149852.507+/-0.043 χ^2/NDF: 4727128619.3/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 206.572+/-0.043 χ^2/NDF:200274.7/14

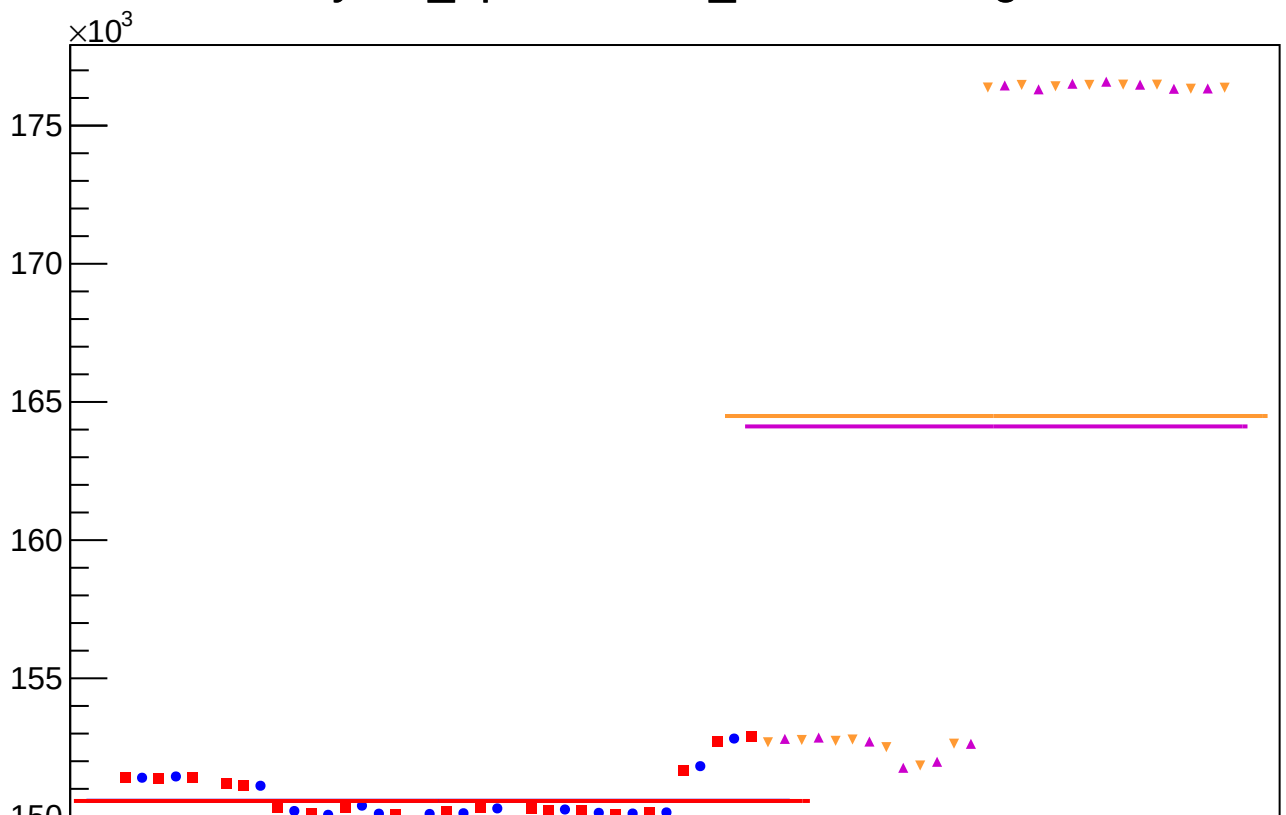
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 208.216+/-0.045 χ^2/NDF:243942.3/12

+ sign 182.364+/-0.031 χ^2/NDF: 2113151.5/30

All: 179.567+/-0.022 χ^2/NDF: 4726553.4/62

- sign 176.814+/-0.031 χ^2/NDF: 2597084.5/31



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164491.500+/-0.054 χ^2/NDF:48452443763.7714

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

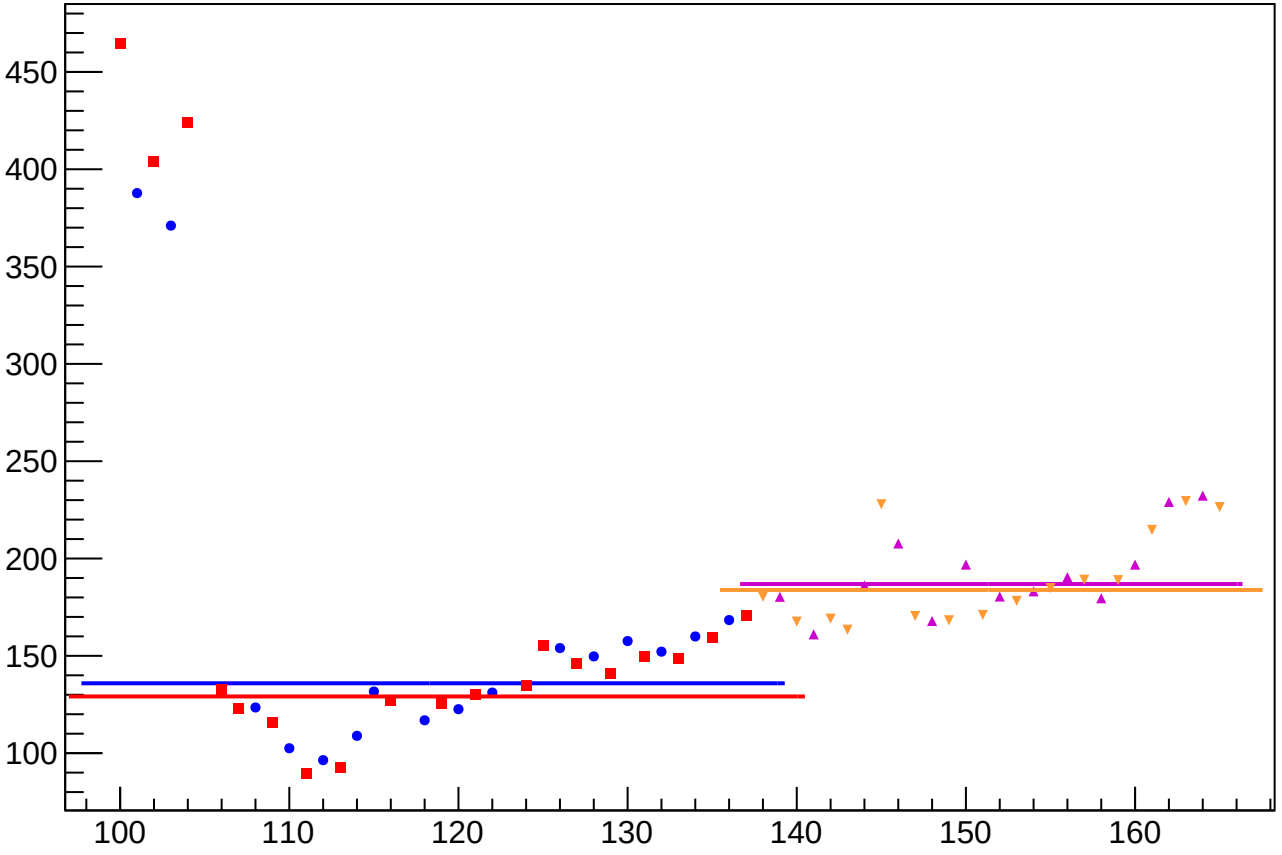
Left In: 164114.776+/-0.057 χ^2/NDF:43918022957.4/12

+ sign 157577.235+/-0.038 χ^2/NDF: 81409024818.

All: 157066.308+/-0.027 χ^2/NDF: 15718750

- sign 156566.964+/-0.038 χ^2/NDF: 75429957616.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 183.848+/-0.038 χ^2/NDF:287994.3/14

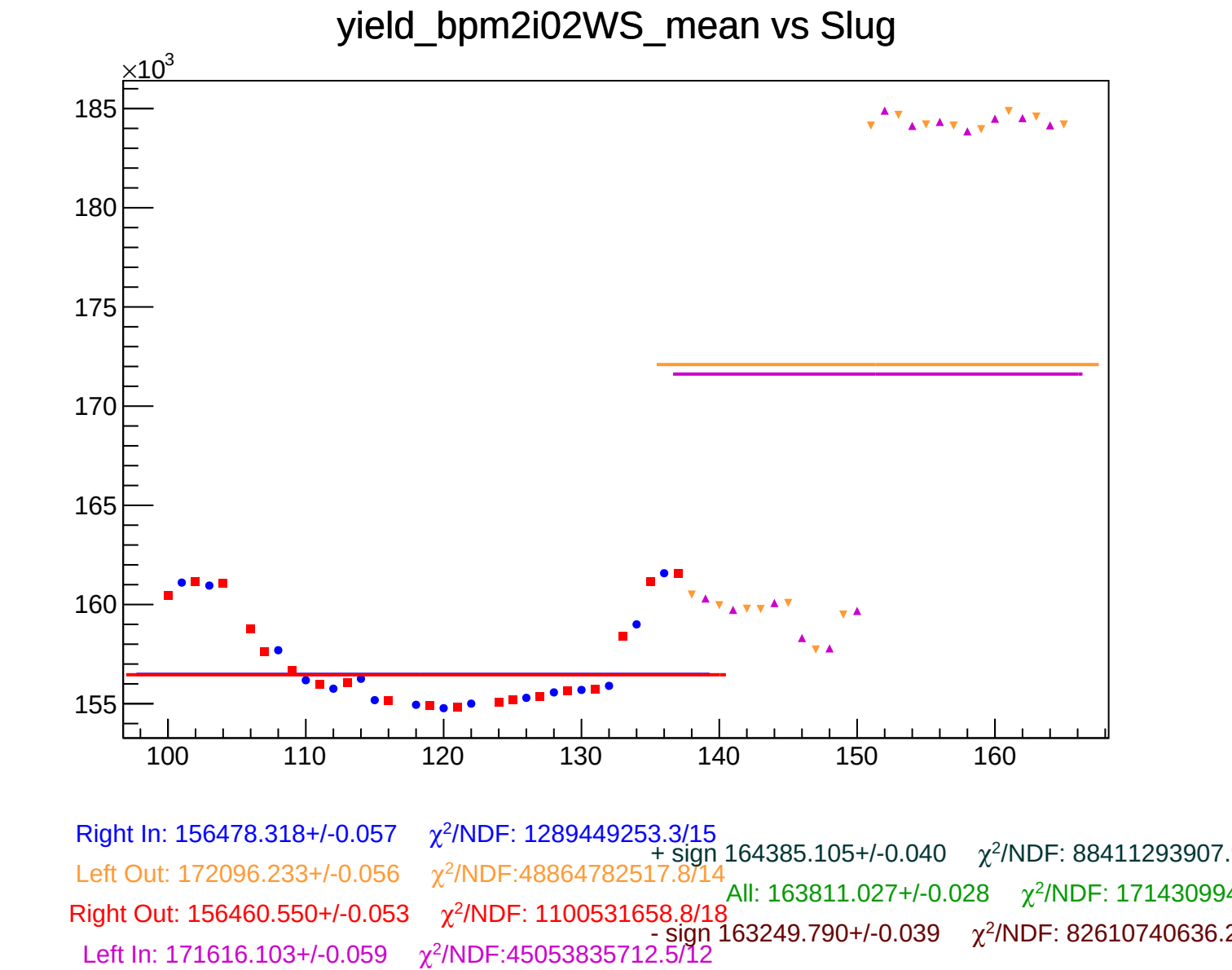
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 186.904+/-0.040 χ^2/NDF:200647.2/12

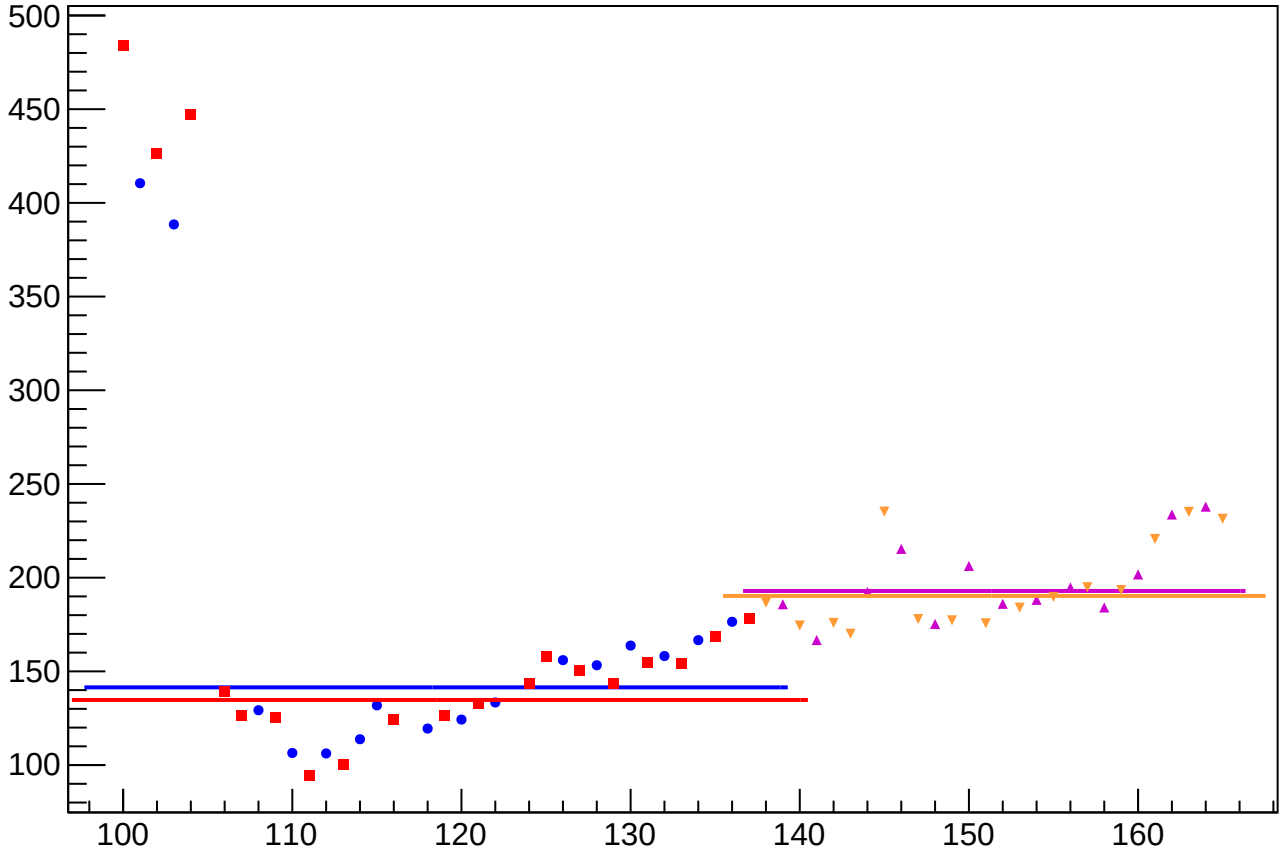
+ sign 160.034+/-0.027 χ^2/NDF: 2480544.4/30

All: 157.352+/-0.019 χ^2/NDF: 5452750.2/62

- sign 154.730+/-0.027 χ^2/NDF: 2952988.2/31


yield_bpm2i02WS_mean vs Slug
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 172096.233+/-0.056 χ²/NDF:48864782517.8/14
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 171616.103+/-0.059 χ²/NDF:45053835712.5/12
+ sign 164385.105+/-0.040 χ²/NDF: 88411293907.
All: 163811.027+/-0.028 χ²/NDF: 17143099
- sign 163249.790+/-0.039 χ²/NDF: 82610740636.2

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 190.258+/-0.040 χ^2/NDF:262922.4/14

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

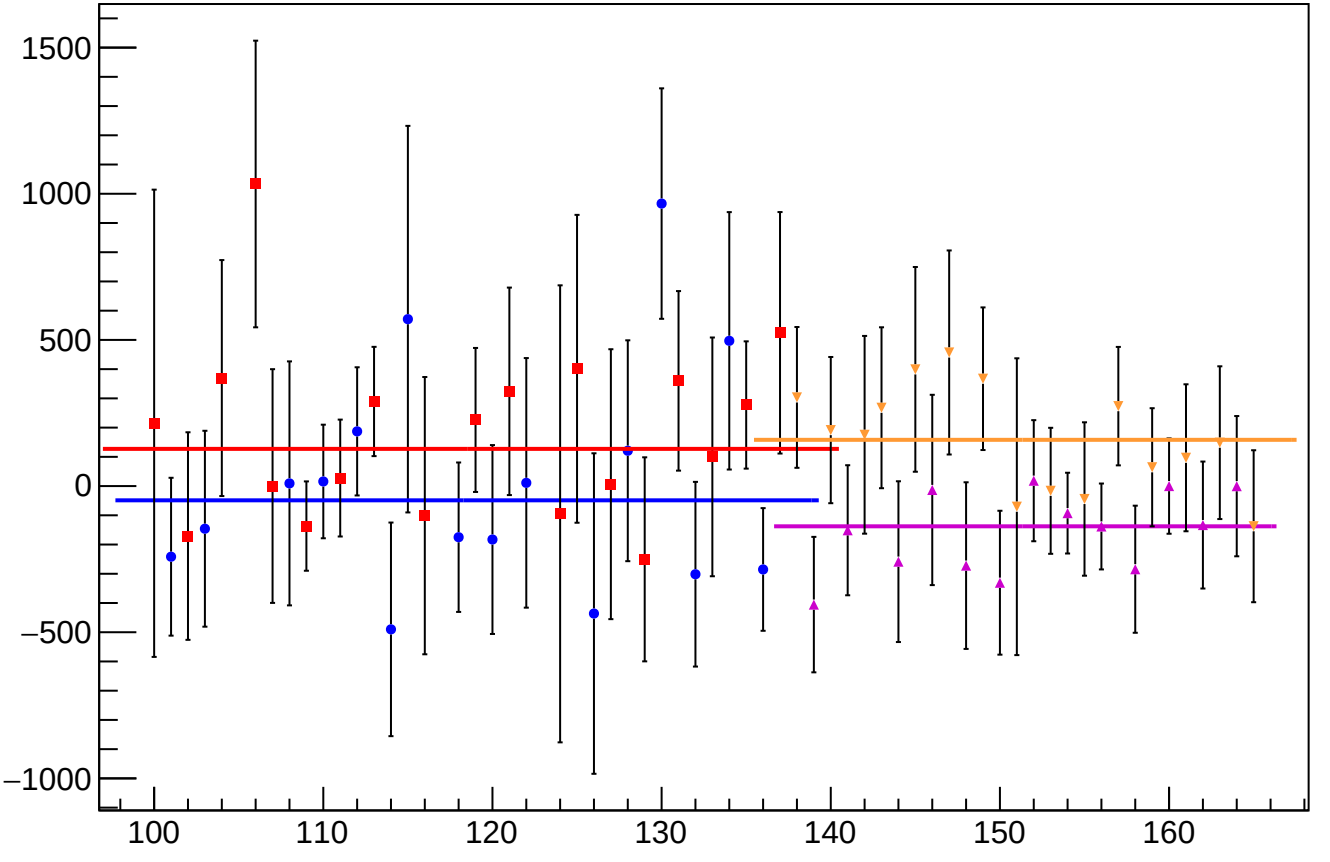
Left In: 192.891+/-0.042 χ^2/NDF:190385.9/12

+ sign 166.170+/-0.028 χ^2/NDF: 2401505.8/30

All: 163.451+/-0.020 χ^2/NDF: 5262479.7/62

- sign 160.793+/-0.028 χ^2/NDF: 2842629.7/31

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 158.207+/-67.057 χ^2/NDF:5.8/14

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

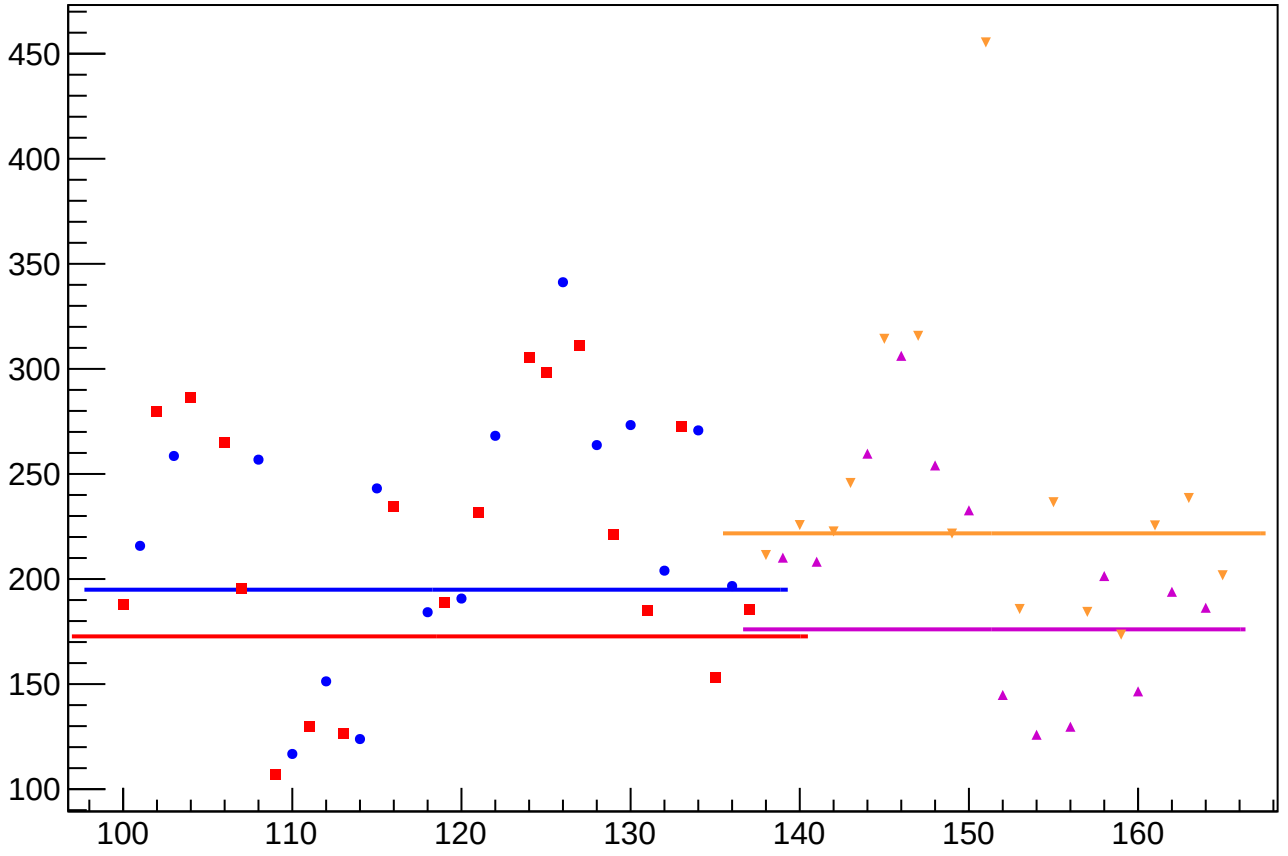
Left In: -137.662+/-56.826 χ^2/NDF:4.7/12

+ sign 68.405+/-50.453 χ^2/NDF: 25.4/30

All: 12.404+/-33.048 χ^2/NDF: 54.0/62

- sign -29.681+/-43.737 χ^2/NDF: 26.4/31

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.734+/-0.047 χ^2/NDF:992331.8/14

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

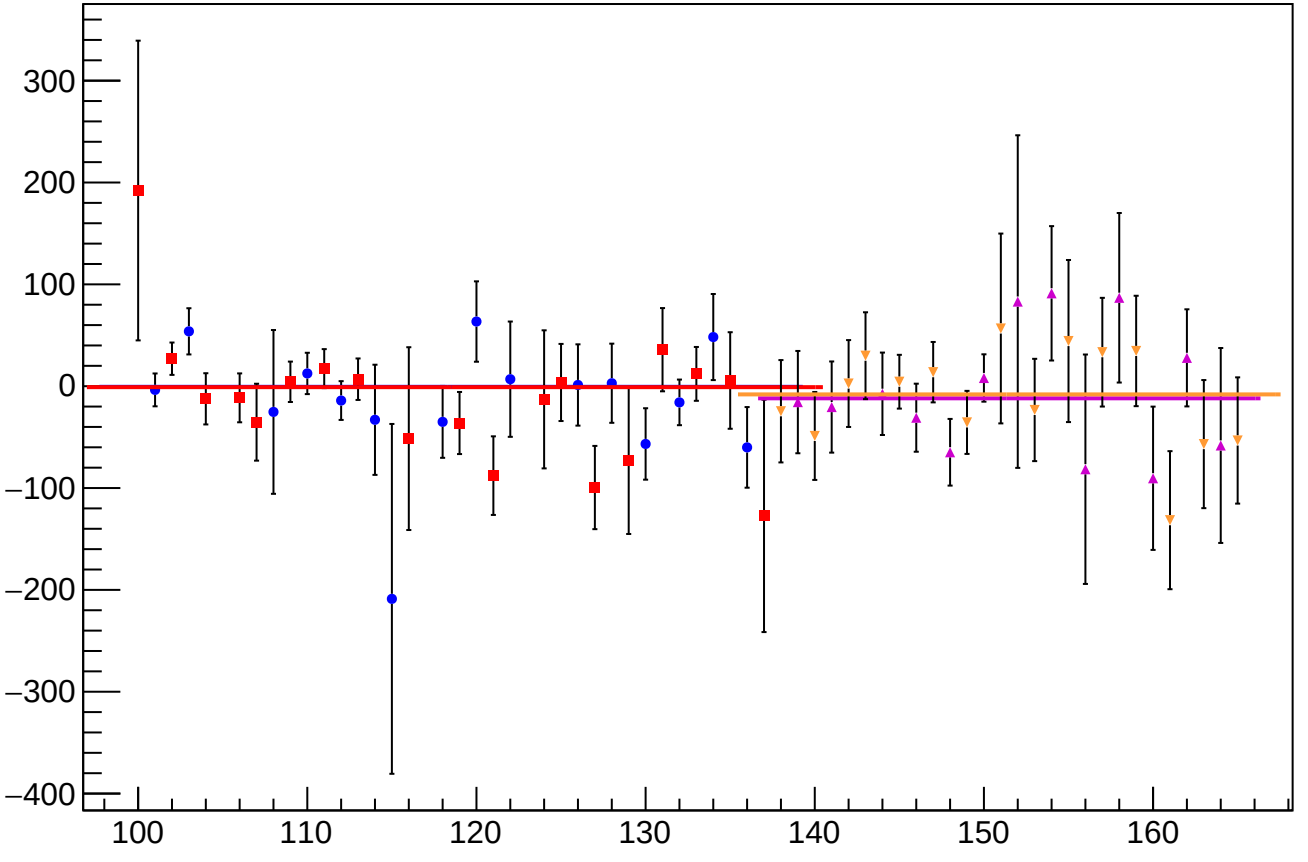
Left In: 176.050+/-0.040 χ^2/NDF:1463746.8/12

+ sign 210.100+/-0.036 χ^2/NDF: 2159969.9/30

All: 189.881+/-0.023 χ^2/NDF: 5820502.1/62

- sign 174.686+/-0.031 χ^2/NDF: 3097923.0/31

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -8.047+/-11.368 χ^2/NDF:10.1/14

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

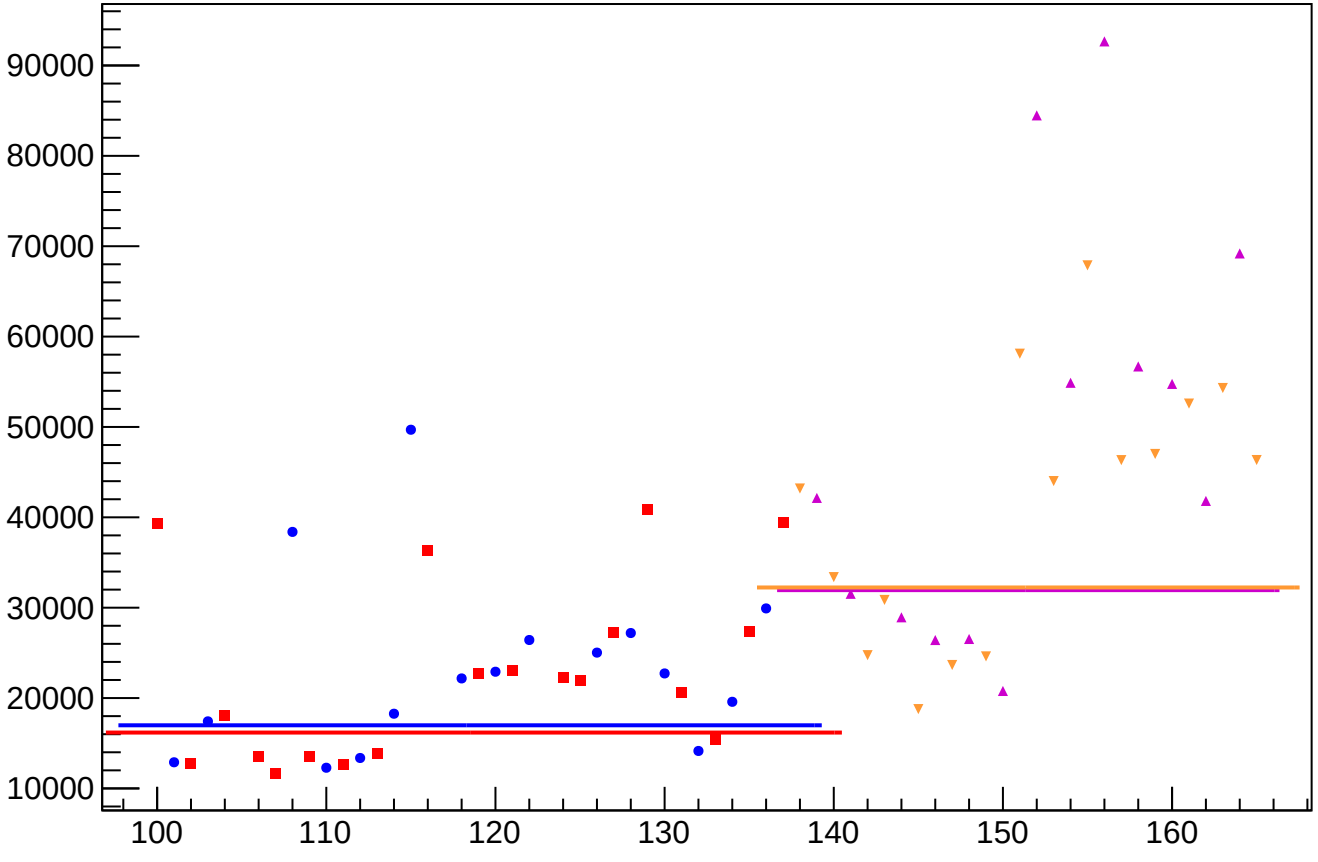
Left In: -11.903+/-12.474 χ^2/NDF:10.5/12

+ sign -2.808+/-6.166 χ^2/NDF: 29.3/30

All: -3.131+/-4.281 χ^2/NDF: 63.4/62

- sign -3.431+/-5.948 χ^2/NDF: 34.1/31

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 32236.319+/-8.038 χ^2/NDF:2451989.7/14

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

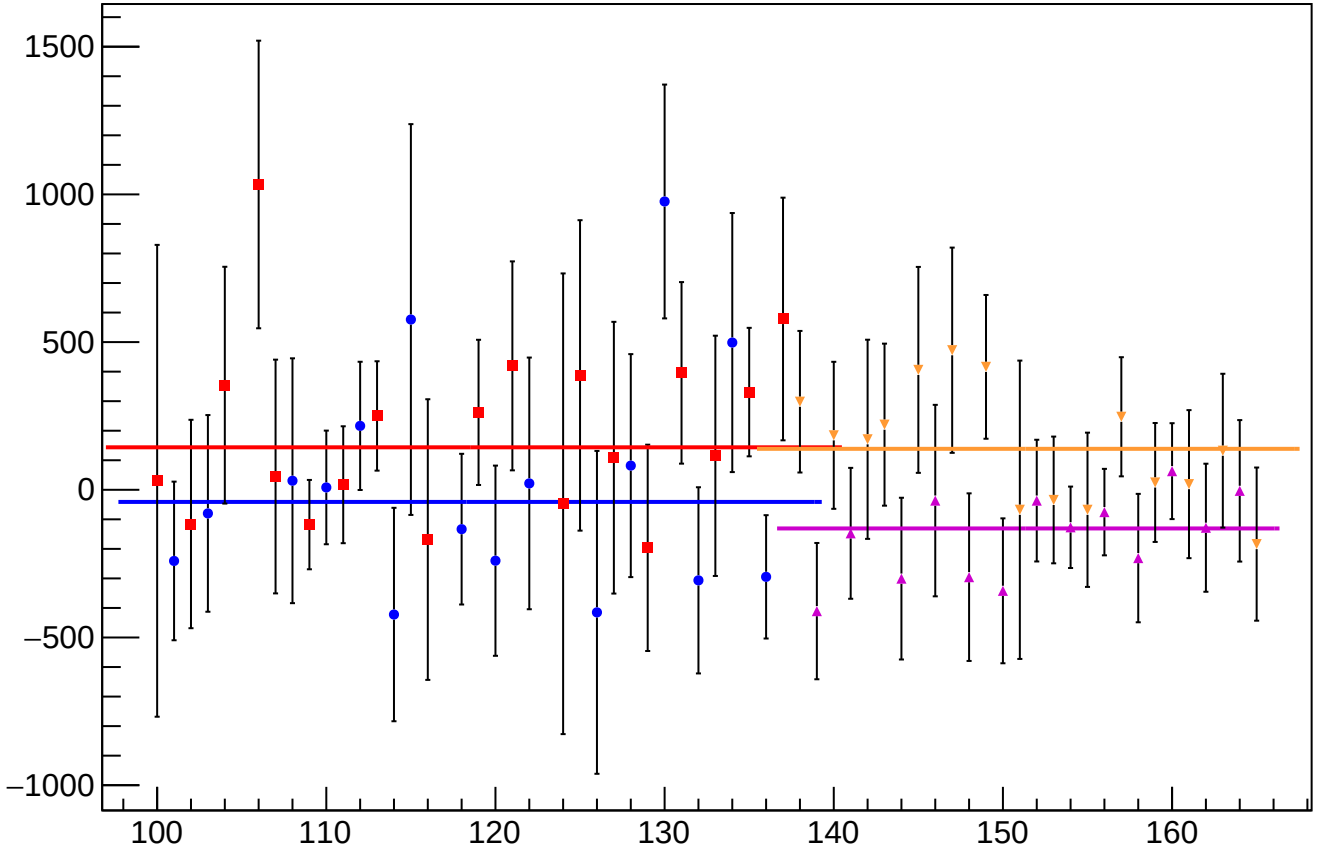
Left In: 31943.476+/-8.820 χ^2/NDF:2469754.4/12

+ sign 21473.724+/-4.360 χ^2/NDF: 6186235.6/30

All: 20589.020+/-3.027 χ^2/NDF: 12454097.1

- sign 19765.865+/-4.206 χ^2/NDF: 6188391.2/31

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 138.709+/-66.785 χ^2/NDF:7.2/14

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

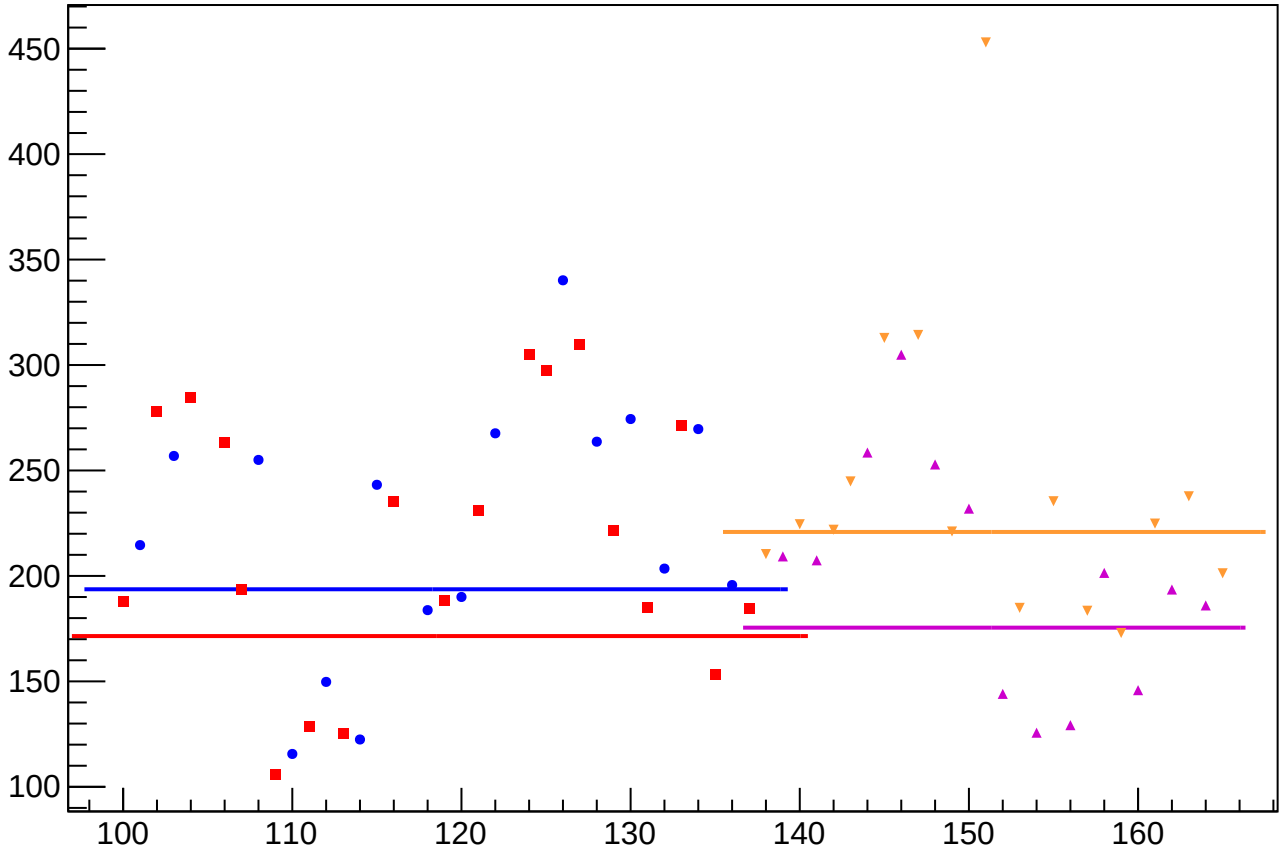
Left In: -130.853+/-56.635 χ^2/NDF:5.3/12

+ sign 60.565+/-50.213 χ^2/NDF: 25.8/30

All: 15.425+/-32.895 χ^2/NDF: 55.2/62

- sign -18.513+/-43.539 χ^2/NDF: 27.9/31

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 220.851+/-0.047 χ^2/NDF:990768.0/14

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

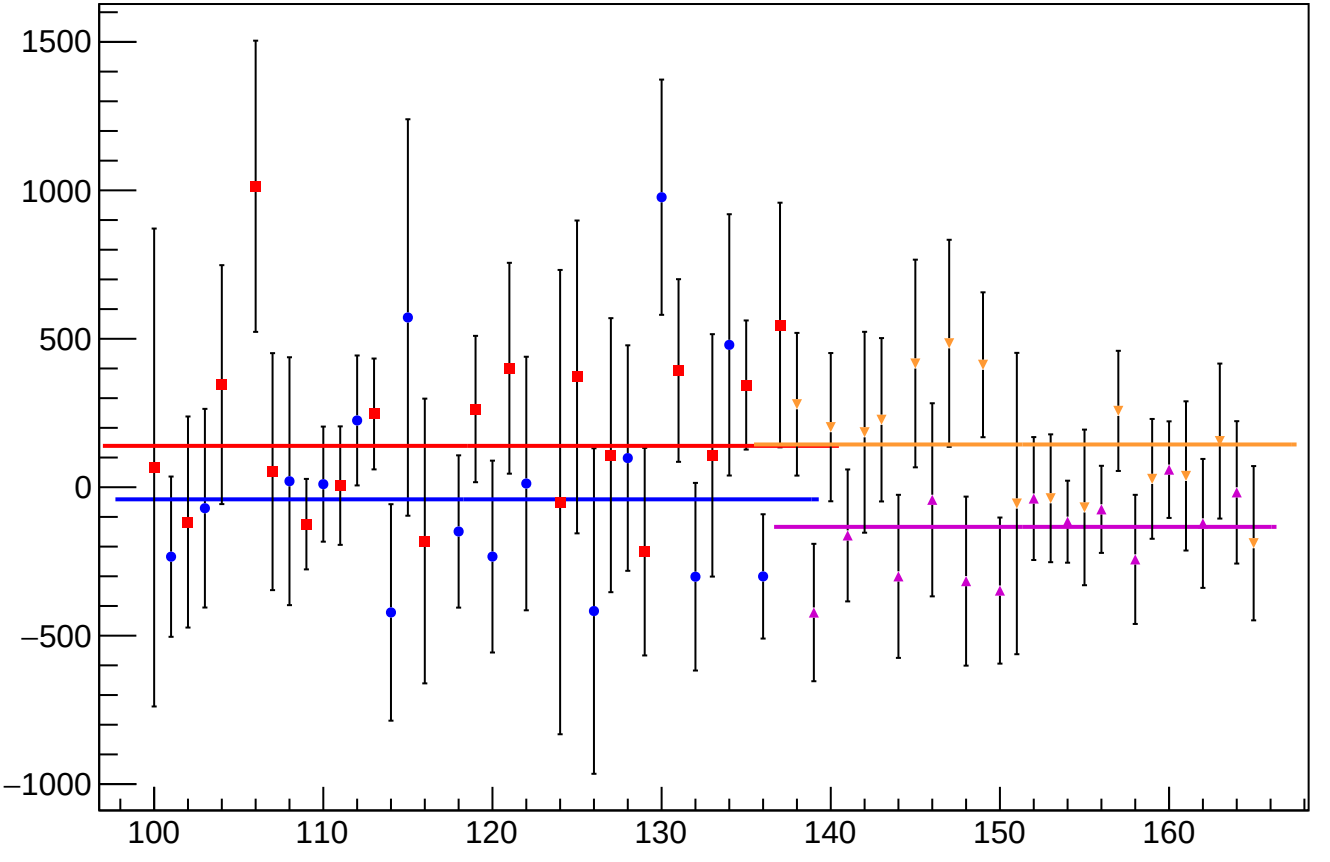
Left In: 175.473+/-0.040 χ^2/NDF:1461979.3/12

+ sign 209.035+/-0.036 χ^2/NDF: 2184557.3/30

All: 188.946+/-0.023 χ^2/NDF: 5864429.4/62

- sign 173.841+/-0.031 χ^2/NDF: 3119027.0/31

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 143.993+/-66.995 χ^2/NDF:7.2/14

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

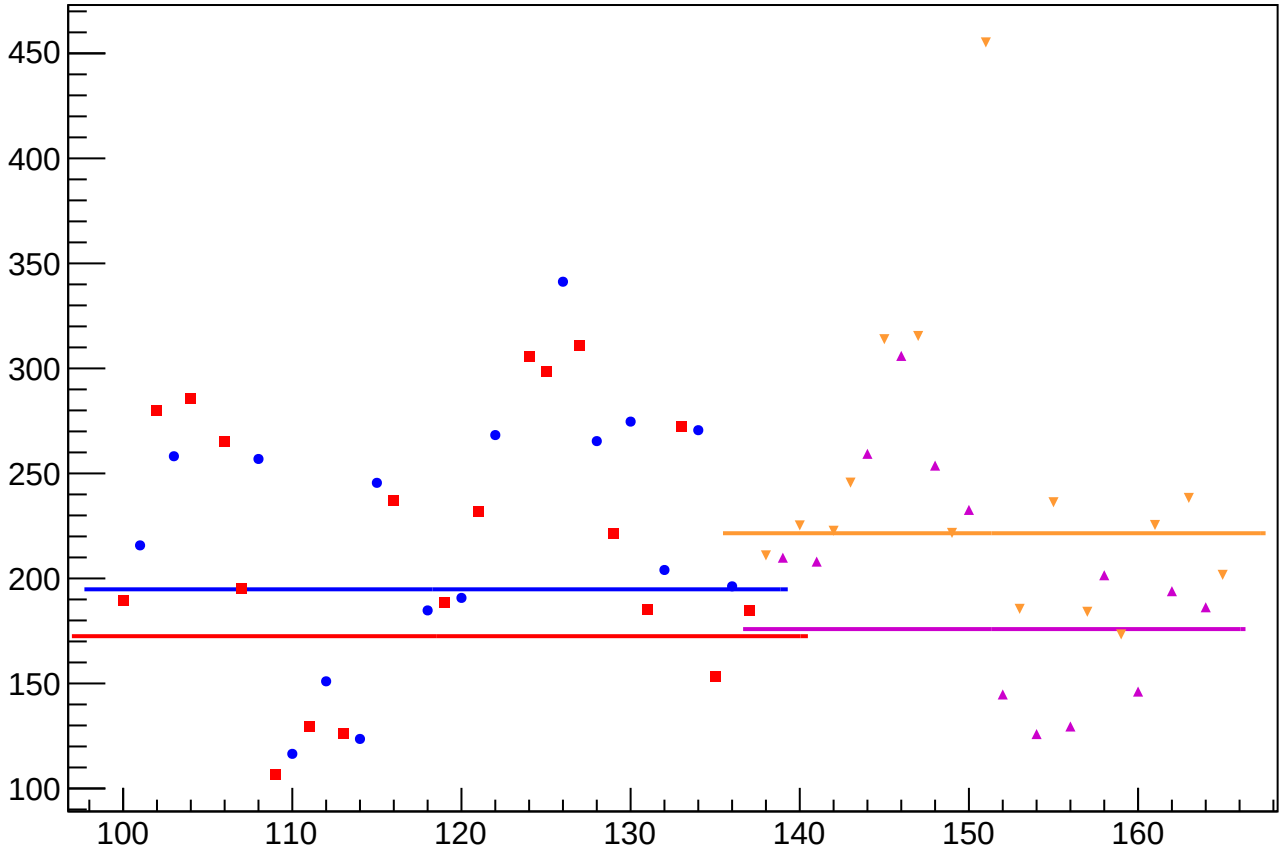
Left In: -133.546+/-56.775 χ^2/NDF:5.5/12

+ sign 63.879+/-50.423 χ^2/NDF: 25.9/30

All: 14.632+/-33.024 χ^2/NDF: 55.4/62

- sign -22.362+/-43.702 χ^2/NDF: 27.8/31

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 221.522+/-0.047 χ^2/NDF:993229.0/14

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

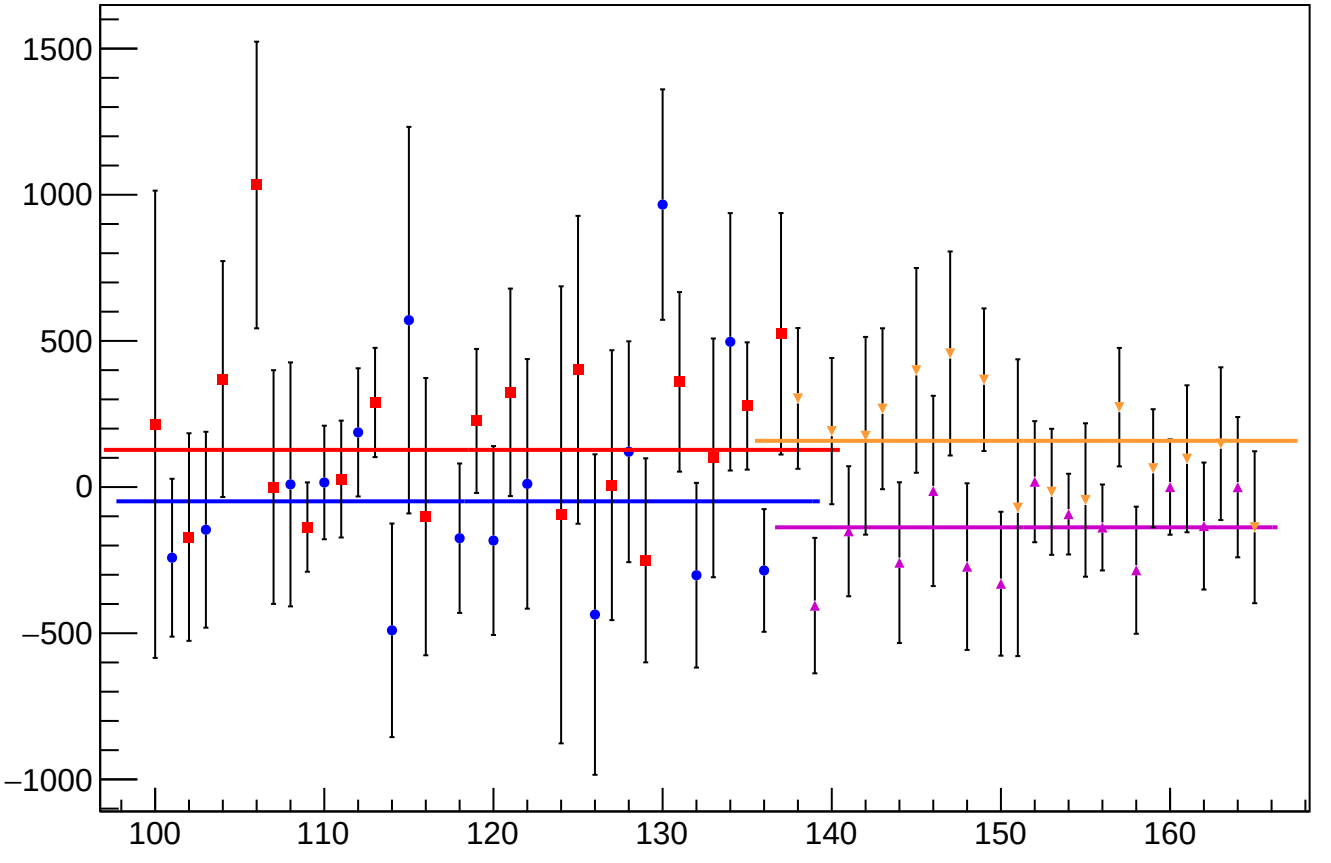
Left In: 175.887+/-0.040 χ^2/NDF:1464555.2/12

+ sign 209.946+/-0.036 χ^2/NDF: 2170077.2/30

All: 189.710+/-0.023 χ^2/NDF: 5843649.1/62

- sign 174.510+/-0.031 χ^2/NDF: 3109504.2/31

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 158.207+/-67.057 χ^2/NDF:5.8/14

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

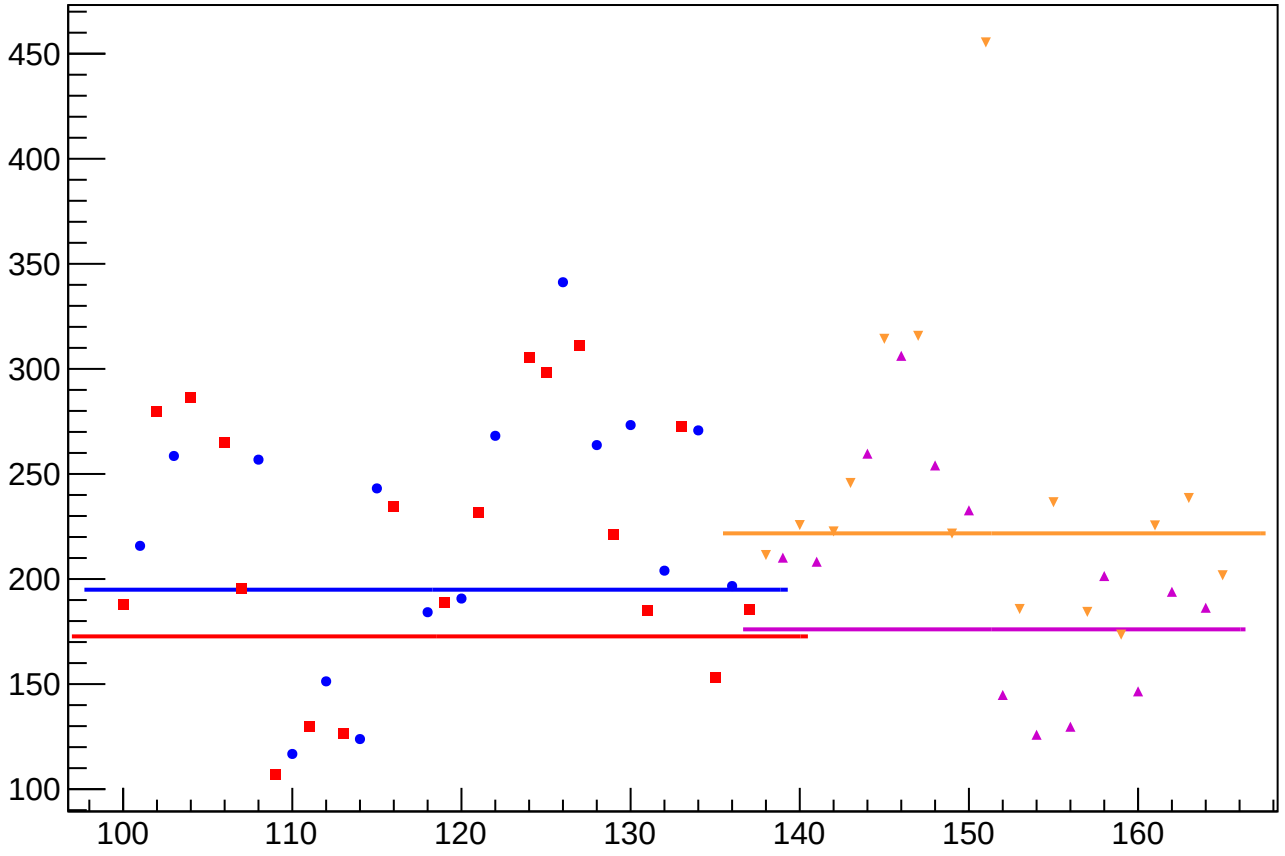
Left In: -137.662+/-56.826 χ^2/NDF:4.7/12

\+ sign 68.405+/-50.453 χ^2/NDF: 25.4/30

All: 12.404+/-33.048 χ^2/NDF: 54.0/62

\- sign -29.681+/-43.737 χ^2/NDF: 26.4/31

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.734+/-0.047 χ^2/NDF:992331.8/14

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

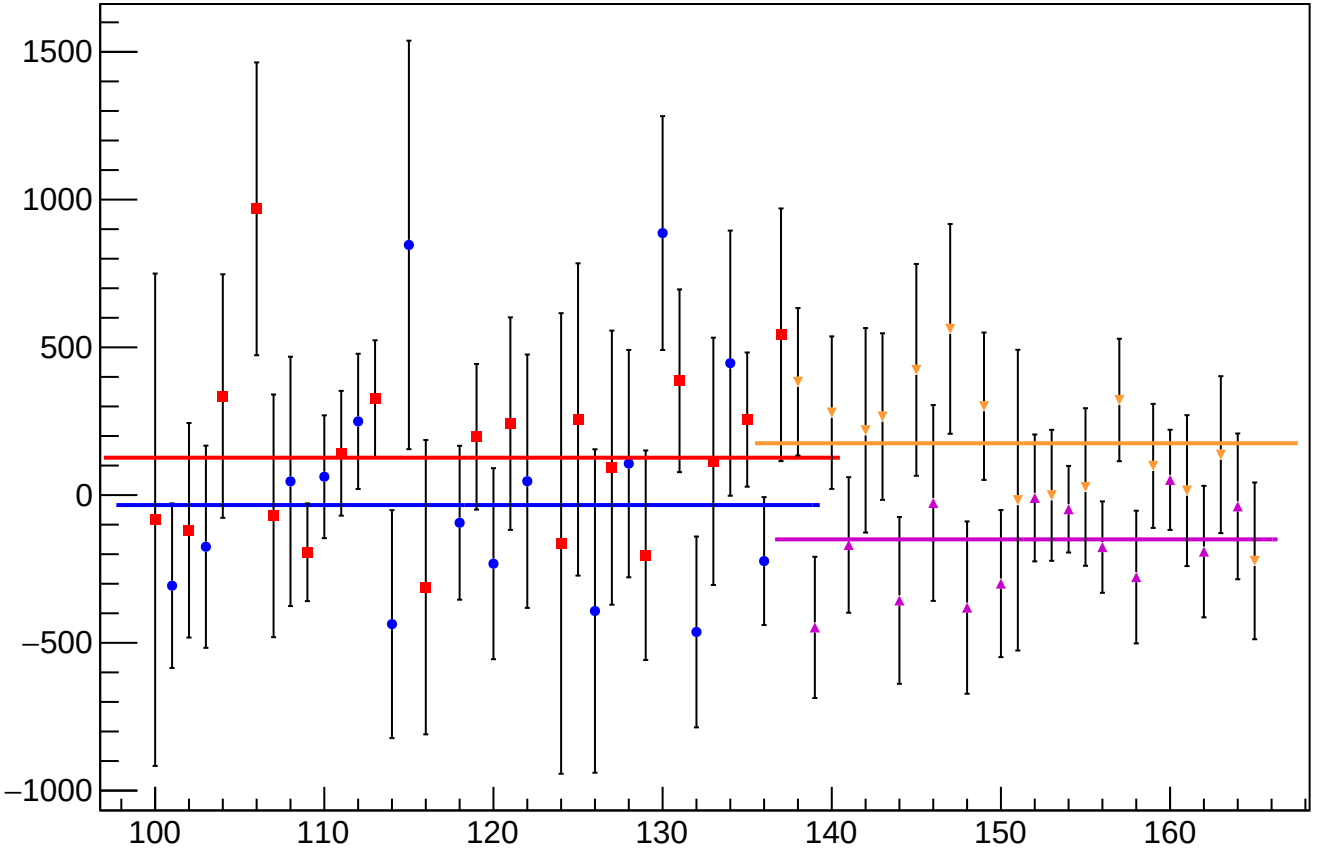
Left In: 176.050+/-0.040 χ^2/NDF:1463746.8/12

+ sign 210.100+/-0.036 χ^2/NDF: 2159969.9/30

All: 189.881+/-0.023 χ^2/NDF: 5820502.1/62

- sign 174.686+/-0.031 χ^2/NDF: 3097923.0/31

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 175.472+/-68.714 χ^2/NDF:7.3/14

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

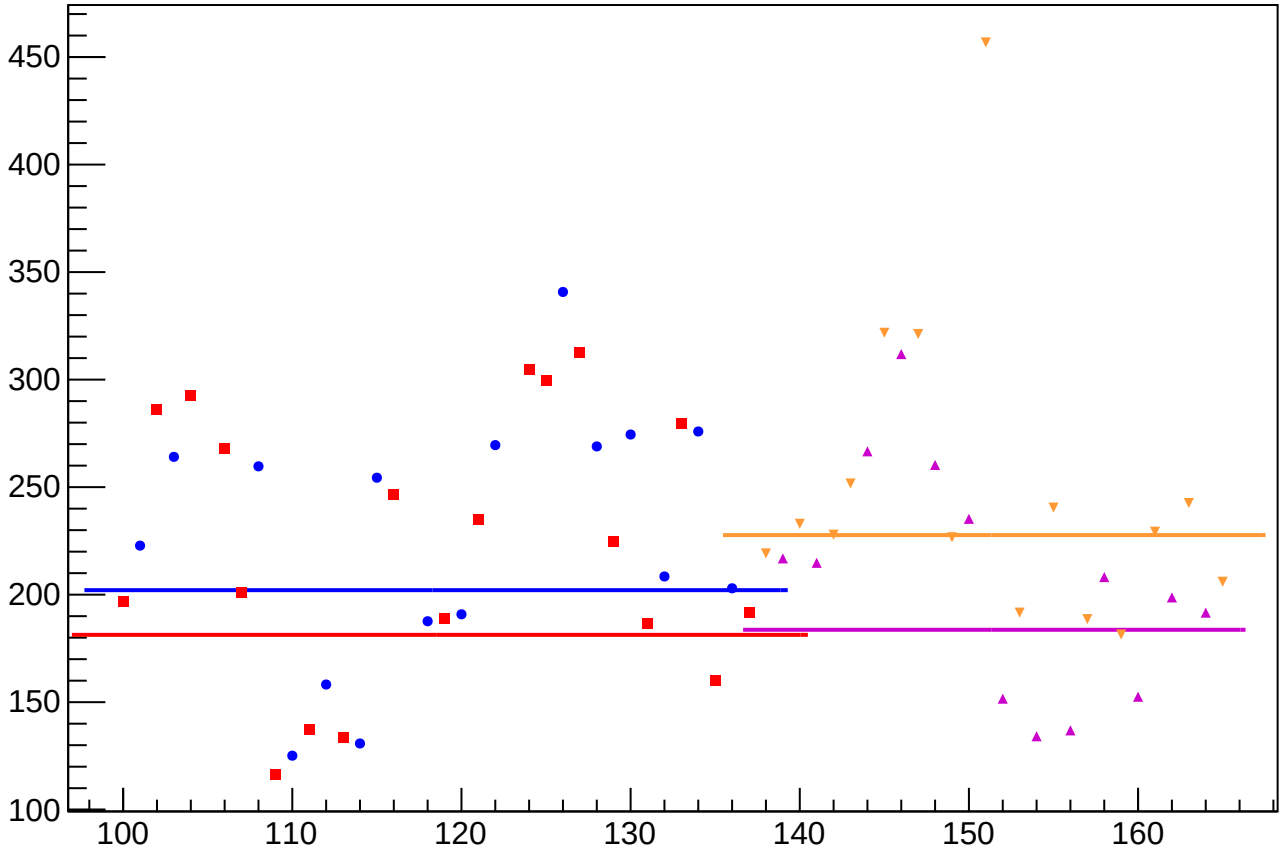
Left In: -149.825+/-58.990 χ^2/NDF:6.1/12

+ sign 85.363+/-51.845 χ^2/NDF: 27.0/30

All: 15.878+/-34.178 χ^2/NDF: 57.9/62

- sign -37.530+/-45.453 χ^2/NDF: 27.7/31

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 227.702+/-0.049 χ^2/NDF:944916.9/14

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

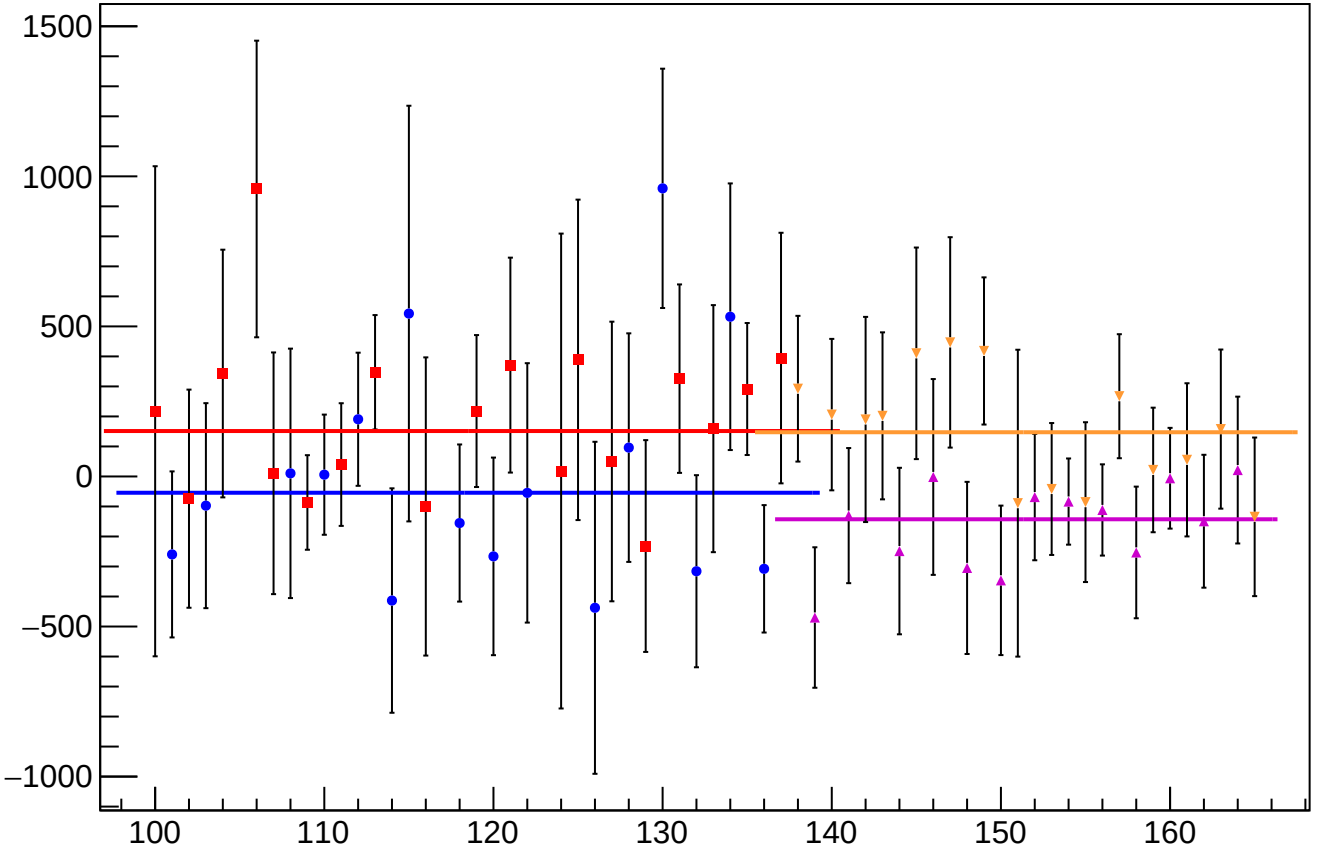
Left In: 183.668+/-0.042 χ^2/NDF:1330184.6/12

+ sign 216.670+/-0.037 χ^2/NDF: 1974855.7/30

All: 197.469+/-0.024 χ^2/NDF: 5232510.3/62

- sign 182.711+/-0.032 χ^2/NDF: 2772469.6/31

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 147.343+/-68.016 χ^2/NDF:6.7/14

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

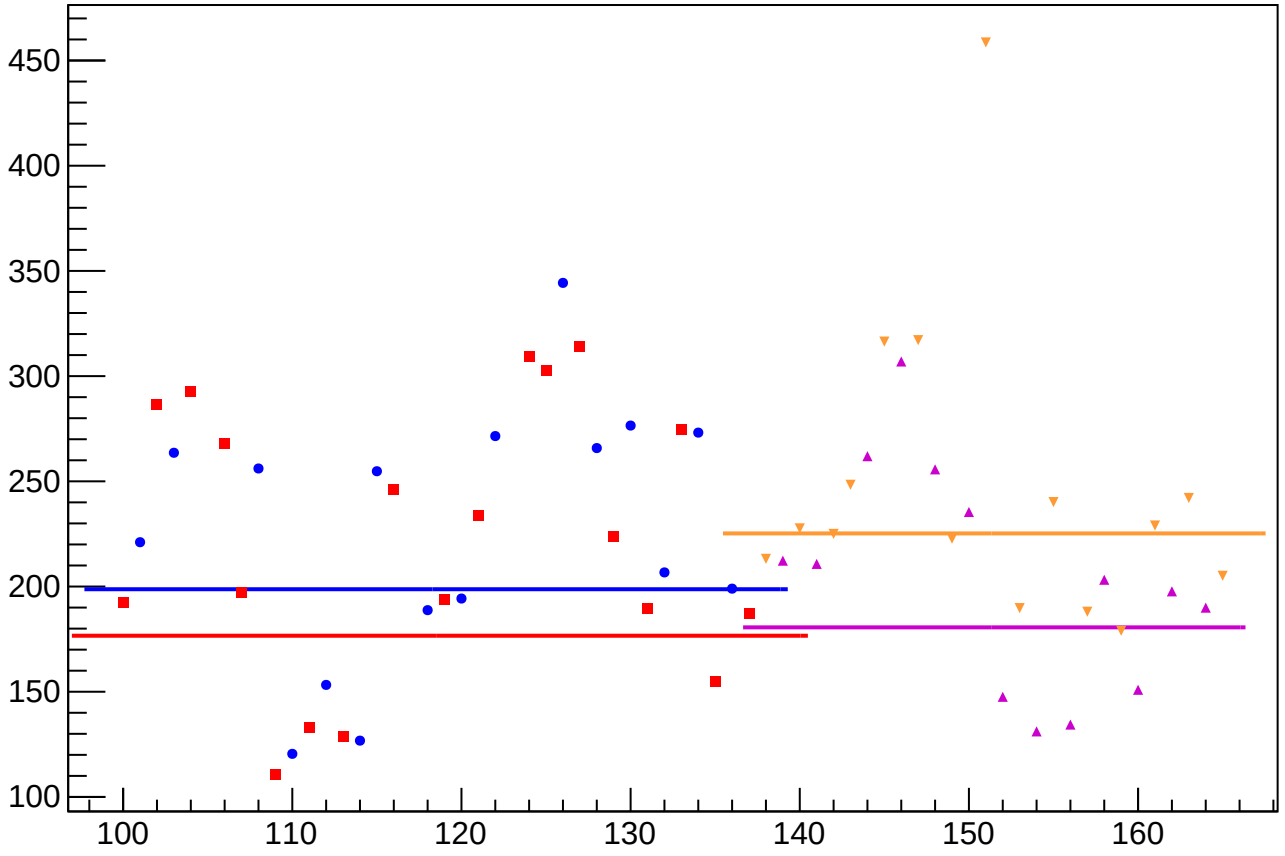
Left In: -142.662+/-58.087 χ^2/NDF:5.0/12

+ sign 60.196+/-51.248 χ^2/NDF: 25.5/30

All: 13.171+/-33.676 χ^2/NDF: 52.7/62

- sign -22.564+/-44.675 χ^2/NDF: 25.7/31

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 225.244+/-0.048 χ^2/NDF:949770.8/14

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

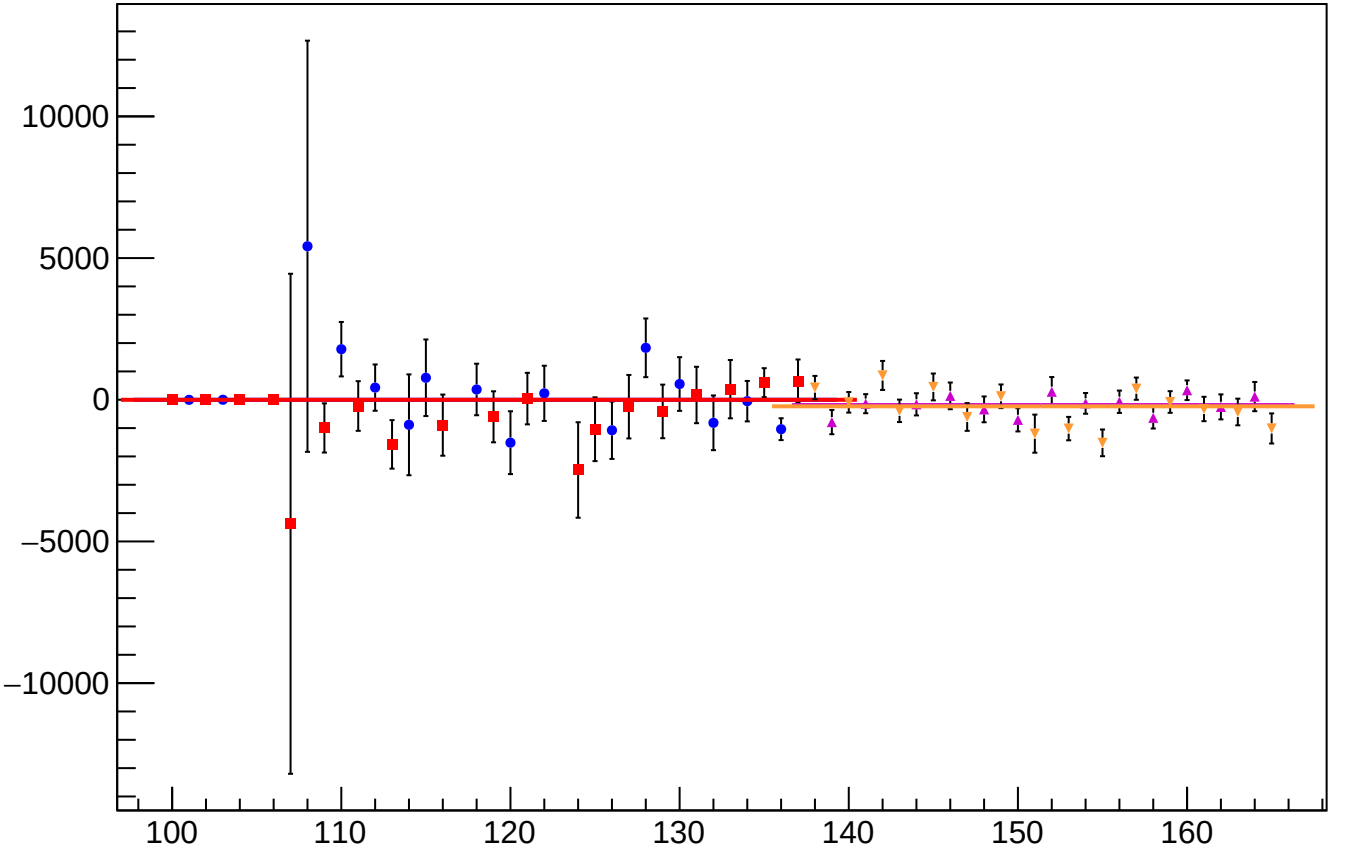
Left In: 180.595+/-0.041 χ^2/NDF:1348399.0/12

+ sign 213.778+/-0.036 χ^2/NDF: 2075337.7/30

All: 194.001+/-0.024 χ^2/NDF: 5547455.0/62

- sign 178.972+/-0.032 χ^2/NDF: 2947931.3/31

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -231.400+/-113.663 χ^2/NDF:29.0/14

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

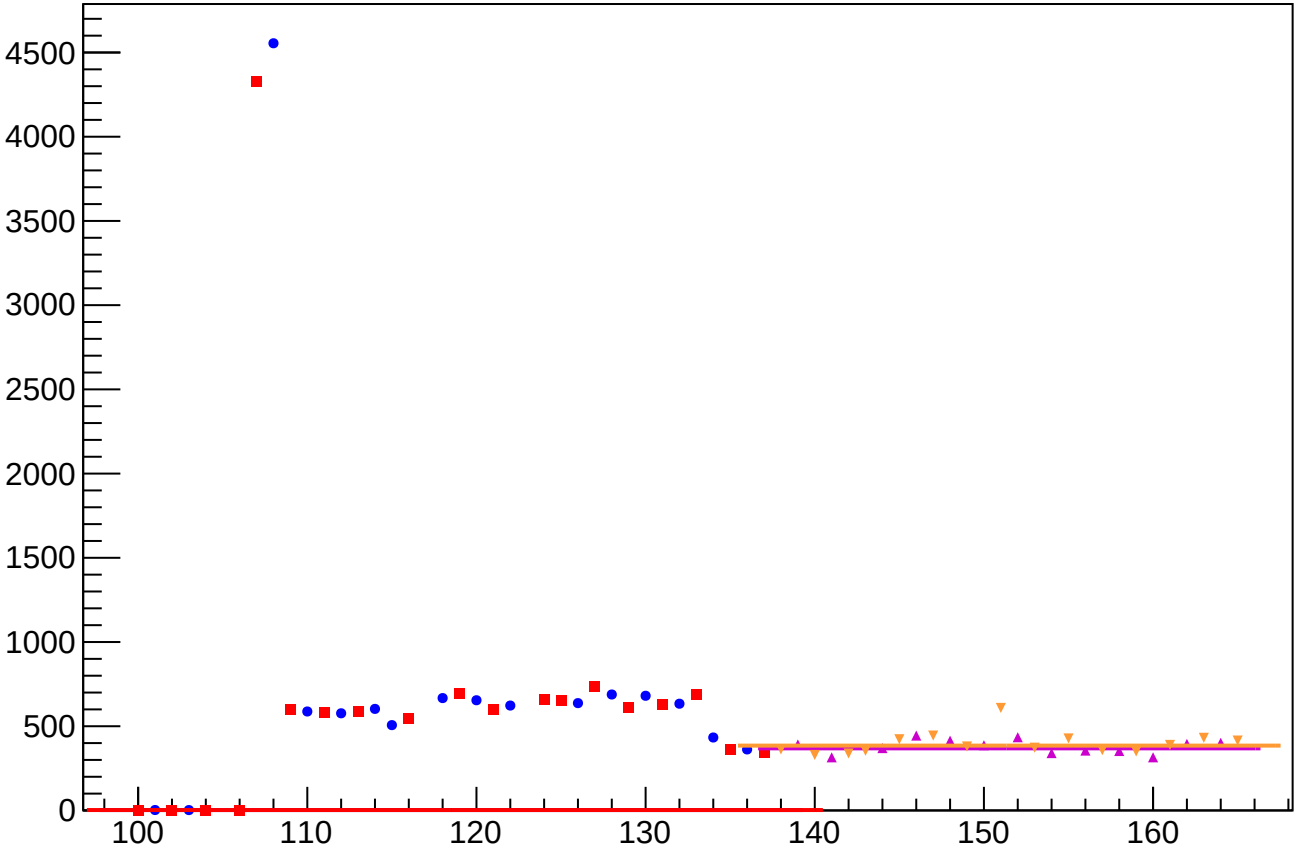
Left In: -188.464+/-113.302 χ^2/NDF:9.2/12

+ sign -1.323+/-2.170 χ^2/NDF: 53.0/30

All: -1.384+/-1.479 χ^2/NDF: 81.8/62

- sign -1.437+/-2.022 χ^2/NDF: 28.8/31

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 384.983+/-0.080 χ^2/NDF:415133.2/14

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

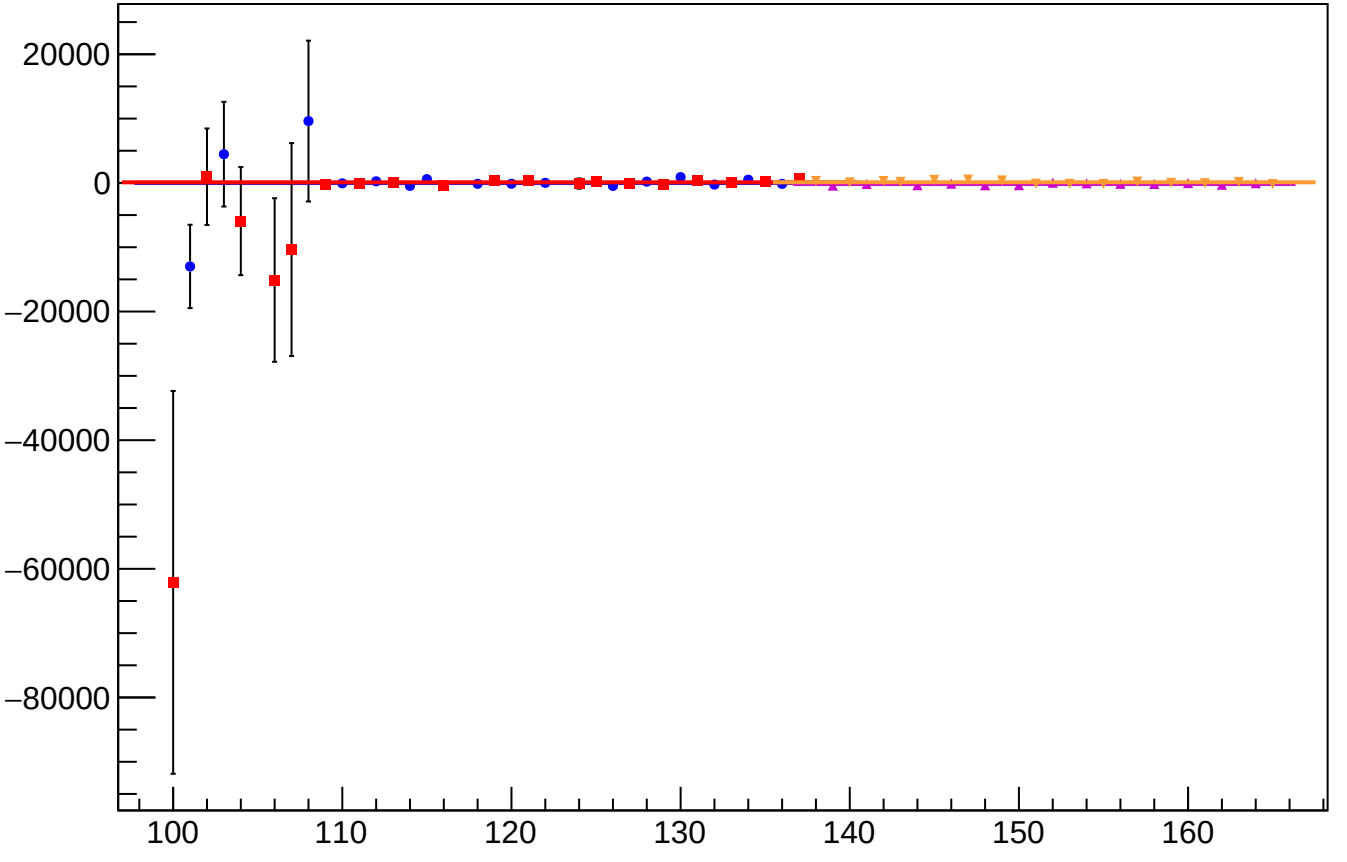
Left In: 368.688+/-0.080 χ^2/NDF:244297.9/12

+ sign 2.616+/-0.002 χ^2/NDF: 34683125.1/30

All: 2.596+/-0.001 χ^2/NDF: 67361879.1/62

- sign 2.579+/-0.001 χ^2/NDF: 32678436.7/31

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 99.184+/-71.305 χ^2/NDF:8.3/14

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

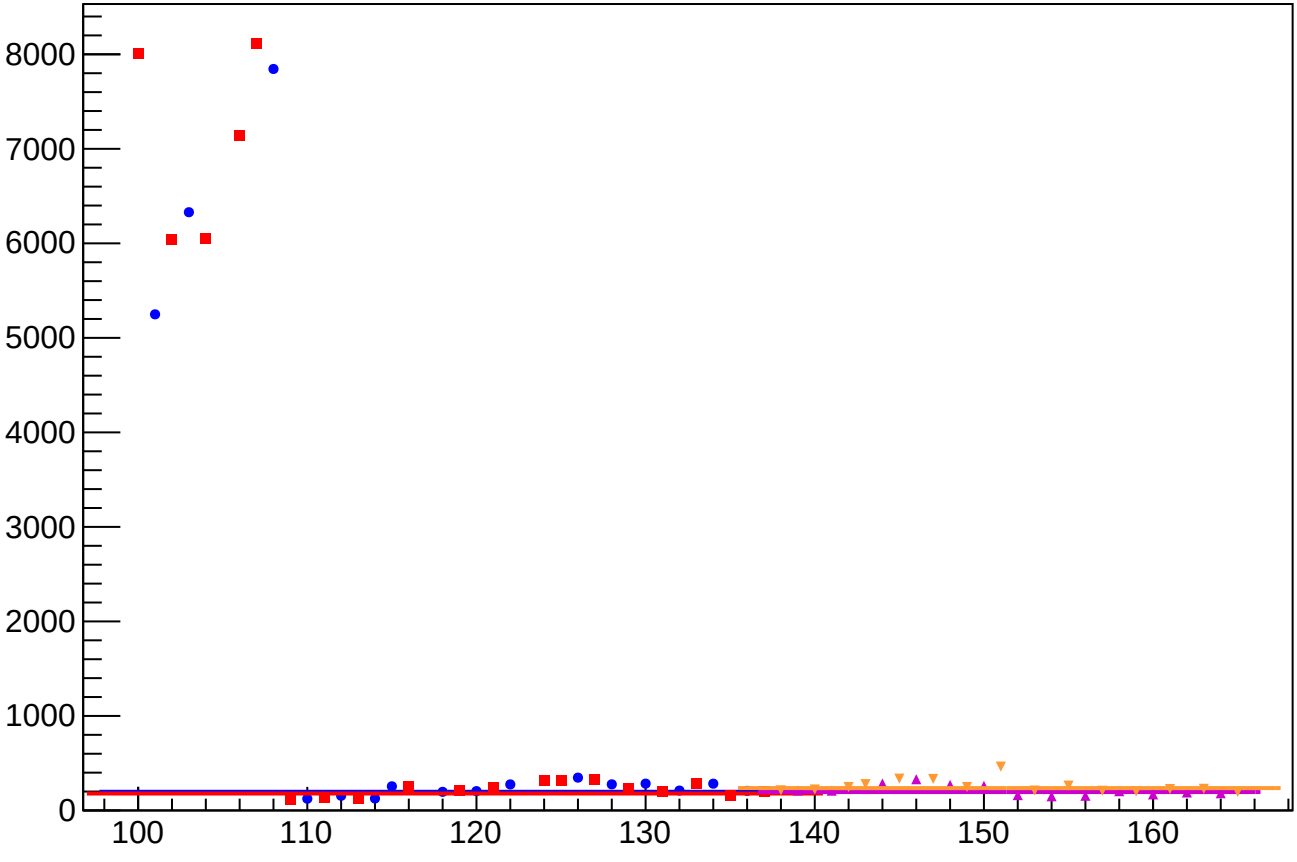
Left In: -159.832+/-62.036 χ^2/NDF:4.9/12

+ sign 60.006+/-55.357 χ^2/NDF: 25.9/30

All: -11.844+/-36.852 χ^2/NDF: 54.5/62

- sign -69.031+/-49.386 χ^2/NDF: 25.6/31

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 236.781+/-0.050 χ^2/NDF:911754.3/14

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

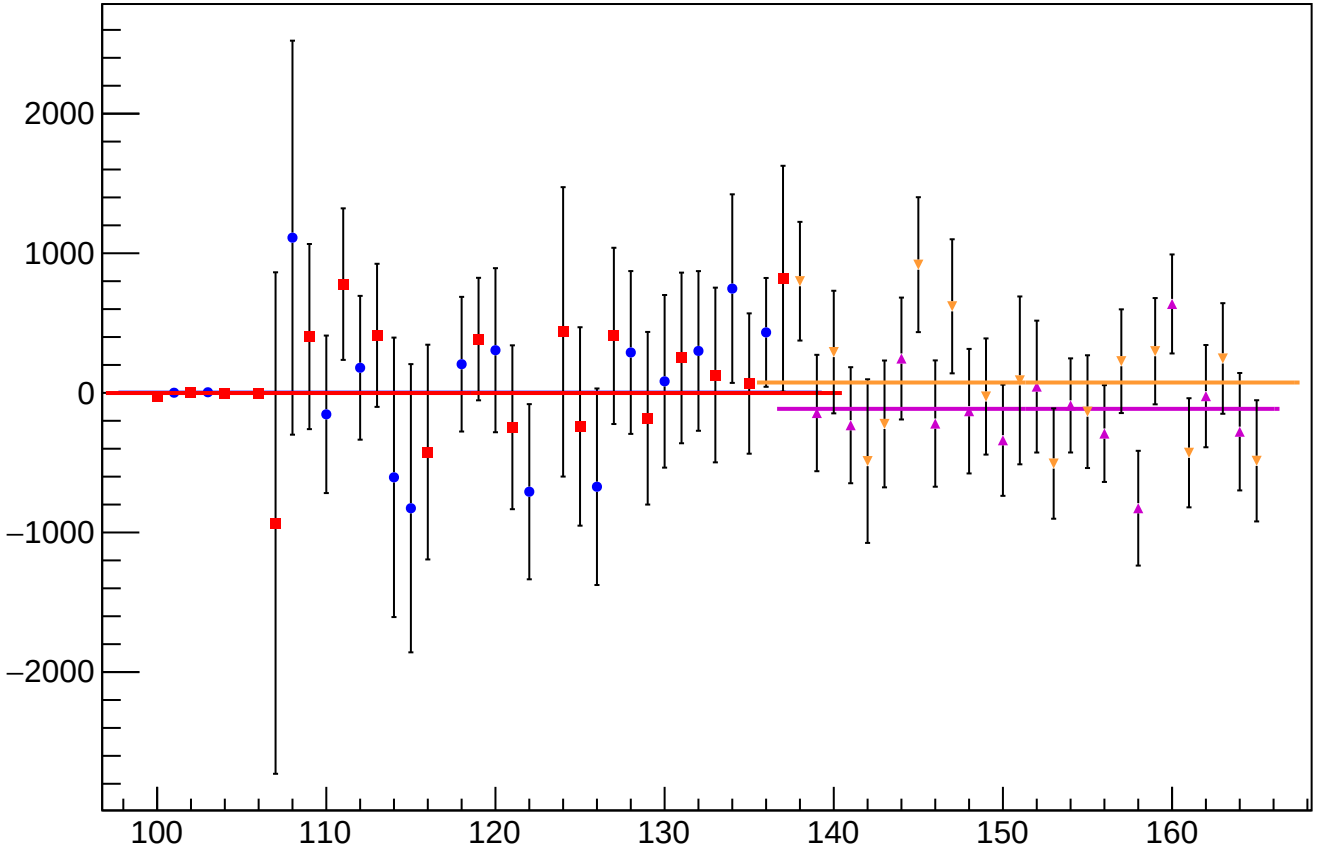
Left In: 194.624+/-0.044 χ^2/NDF:1070483.1/12

+ sign 221.222+/-0.039 χ^2/NDF: 5108623.9/30

All: 203.276+/-0.026 χ^2/NDF: 11019994.3/62

- sign 188.993+/-0.035 χ^2/NDF: 5533895.2/31

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 74.187+/-111.421 χ^2/NDF:15.4/14

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

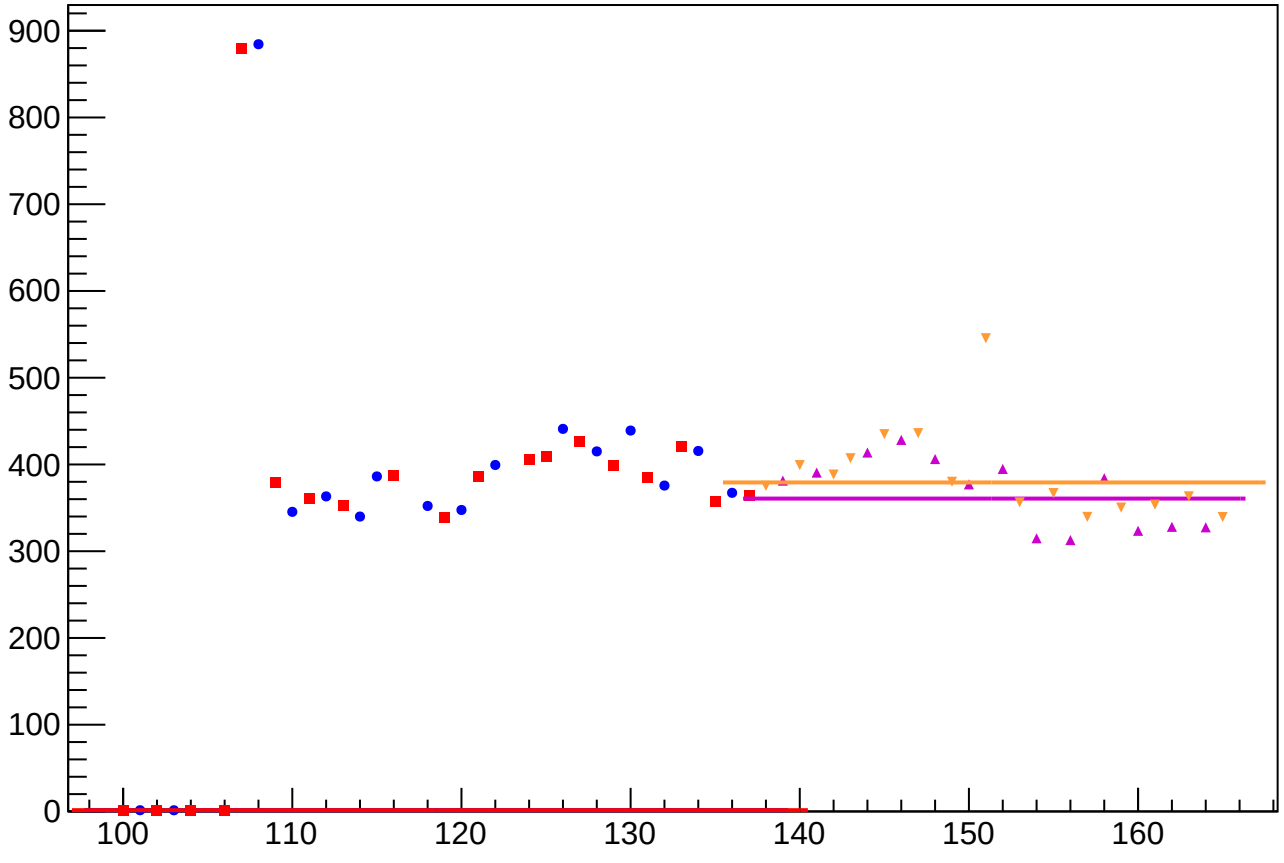
Left In: -114.448+/-110.709 χ^2/NDF:9.2/12

+ sign 1.472+/-1.660 χ^2/NDF: 23.7/30

All: 0.071+/-1.124 χ^2/NDF: 44.4/62

- sign -1.115+/-1.528 χ^2/NDF: 19.4/31

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 379.282+/-0.079 χ^2/NDF:291506.9/14

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

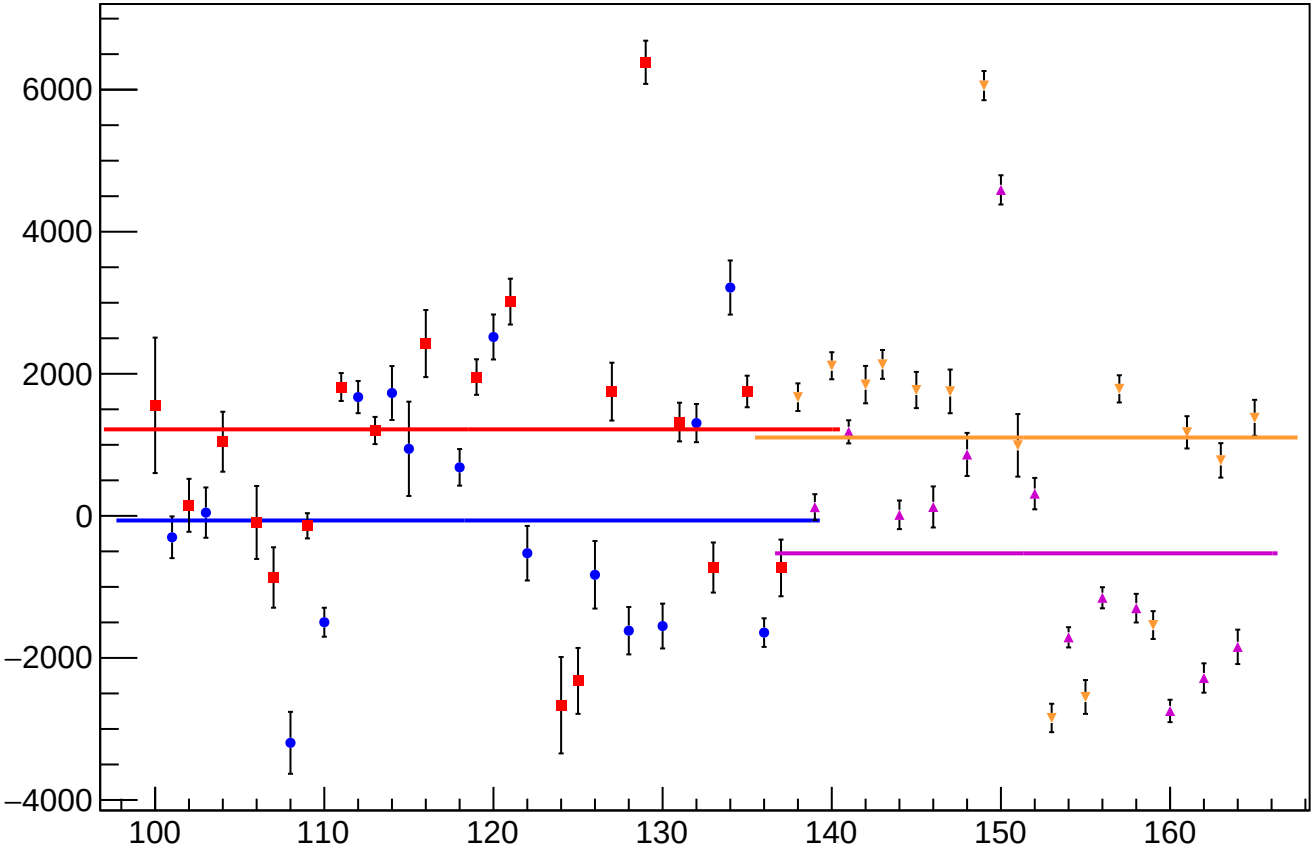
Left In: 360.680+/-0.078 χ^2/NDF:255934.8/12

+ sign 1.554+/-0.001 χ^2/NDF: 35017493.5/30

All: 1.544+/-0.001 χ^2/NDF: 67595719.3/62

- sign 1.536+/-0.001 χ^2/NDF: 32578091.3/31

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1103.059+/-58.194 χ^2/NDF:1486.4/14

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

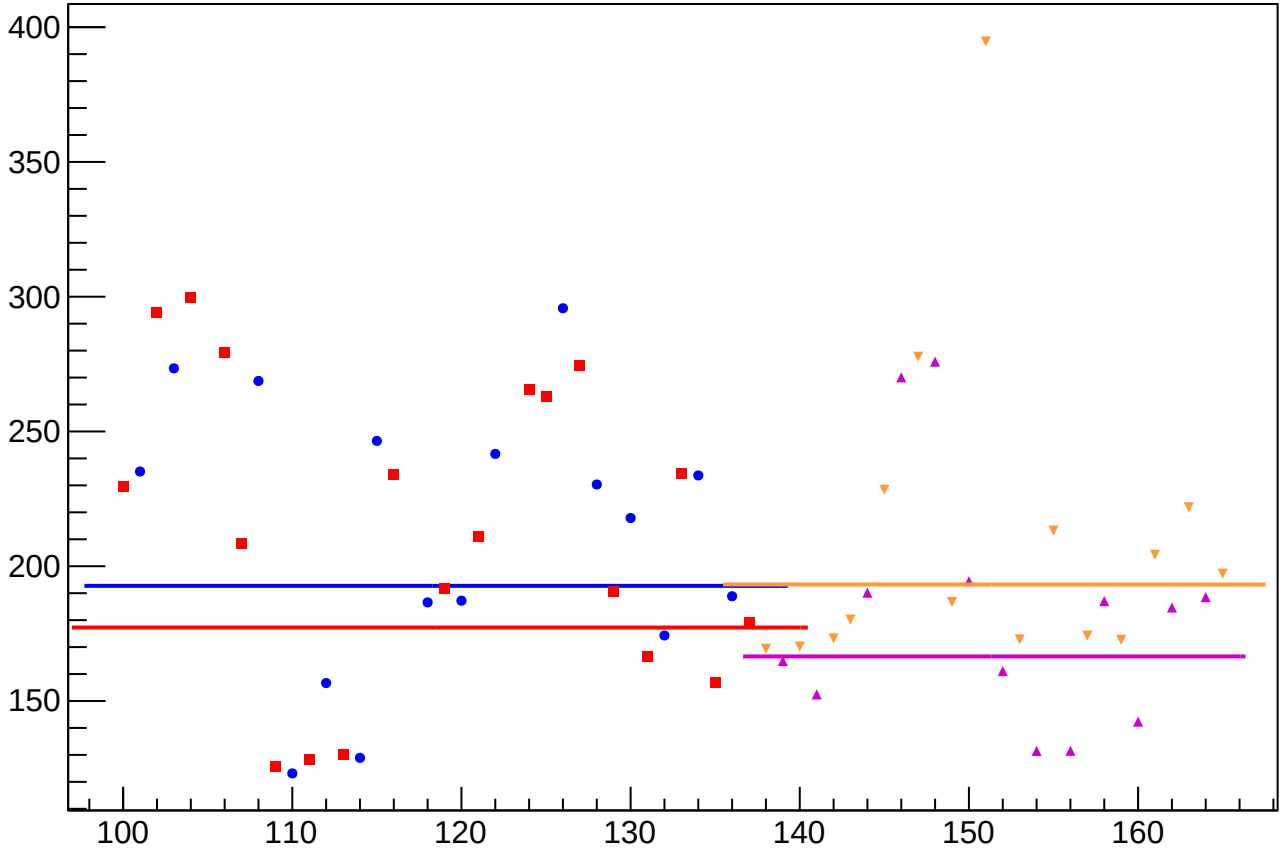
Left In: -527.502+/-52.760 χ^2/NDF:1188.8/12

+ sign 663.333+/-45.953 χ^2/NDF: 2107.6/30

All: 364.679+/-30.968 χ^2/NDF: 4372.0/62

- sign 116.187+/-41.917 χ^2/NDF: 2187.0/31

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.224+/-0.041 χ^2/NDF:797756.0/14

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

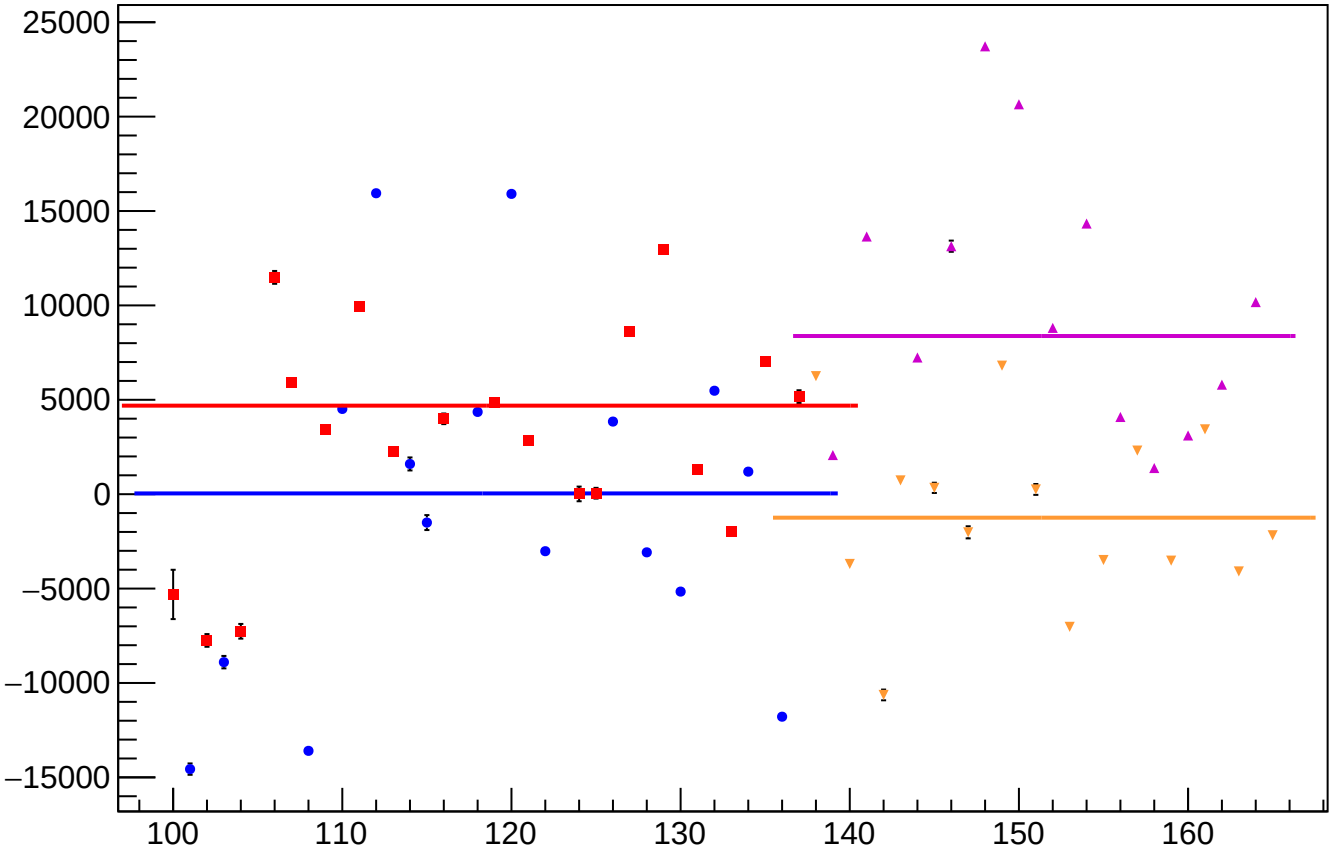
Left In: 166.529+/-0.037 χ^2/NDF:929003.4/12

+ sign 193.034+/-0.032 χ^2/NDF: 1556959.0/30

All: 180.725+/-0.022 χ^2/NDF: 4005507.9/62

- sign 170.483+/-0.030 χ^2/NDF: 2185649.0/31

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1244.360+/-50.455 χ^2/NDF:7689.2/14

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

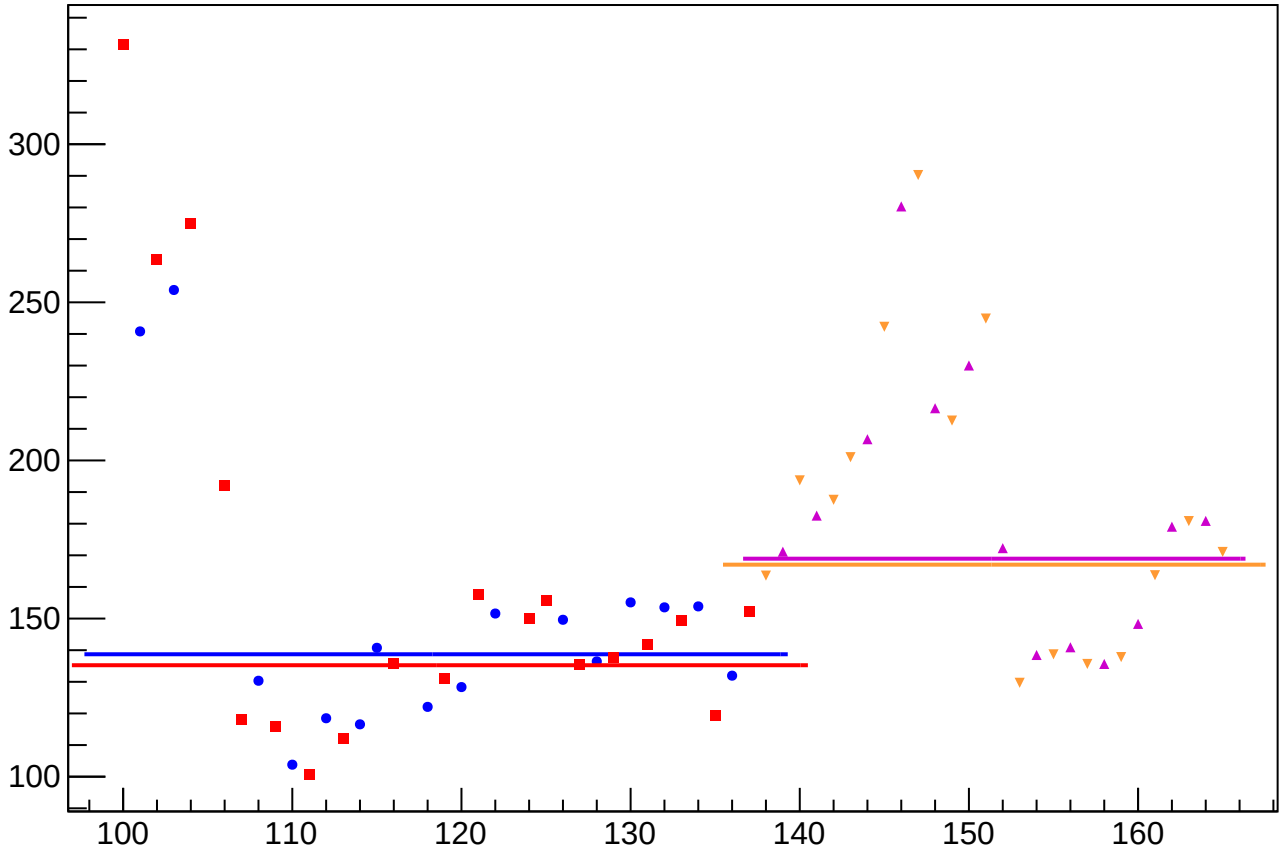
Left In: 8378.659+/-53.222 χ^2/NDF:14443.2/12

+ sign -647.637+/-36.930 χ^2/NDF: 38776.8/30

All: 2894.720+/-26.218 χ^2/NDF: 82020.7/62

- sign 6494.699+/-37.229 χ^2/NDF: 24692.4/31

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.045+/-0.036 χ^2/NDF:1137674.7/14

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

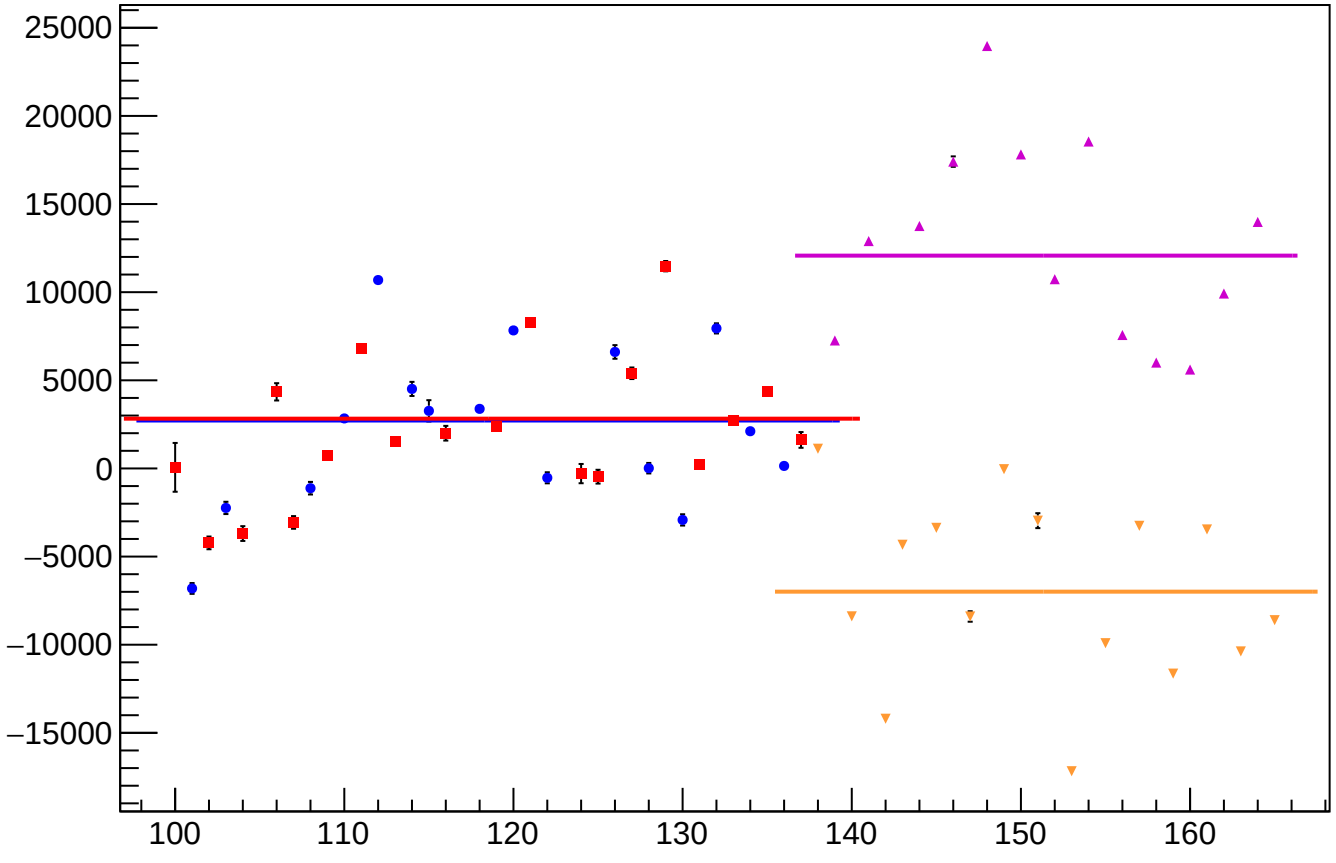
Left In: 168.933+/-0.038 χ^2/NDF:845762.8/12

+ sign 153.891+/-0.026 χ^2/NDF: 2088277.4/30

All: 152.818+/-0.019 χ^2/NDF: 4236684.1/62

- sign 151.728+/-0.026 χ^2/NDF: 2145006.2/31

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6990.230+/-59.569 χ^2/NDF:7910.6/14

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

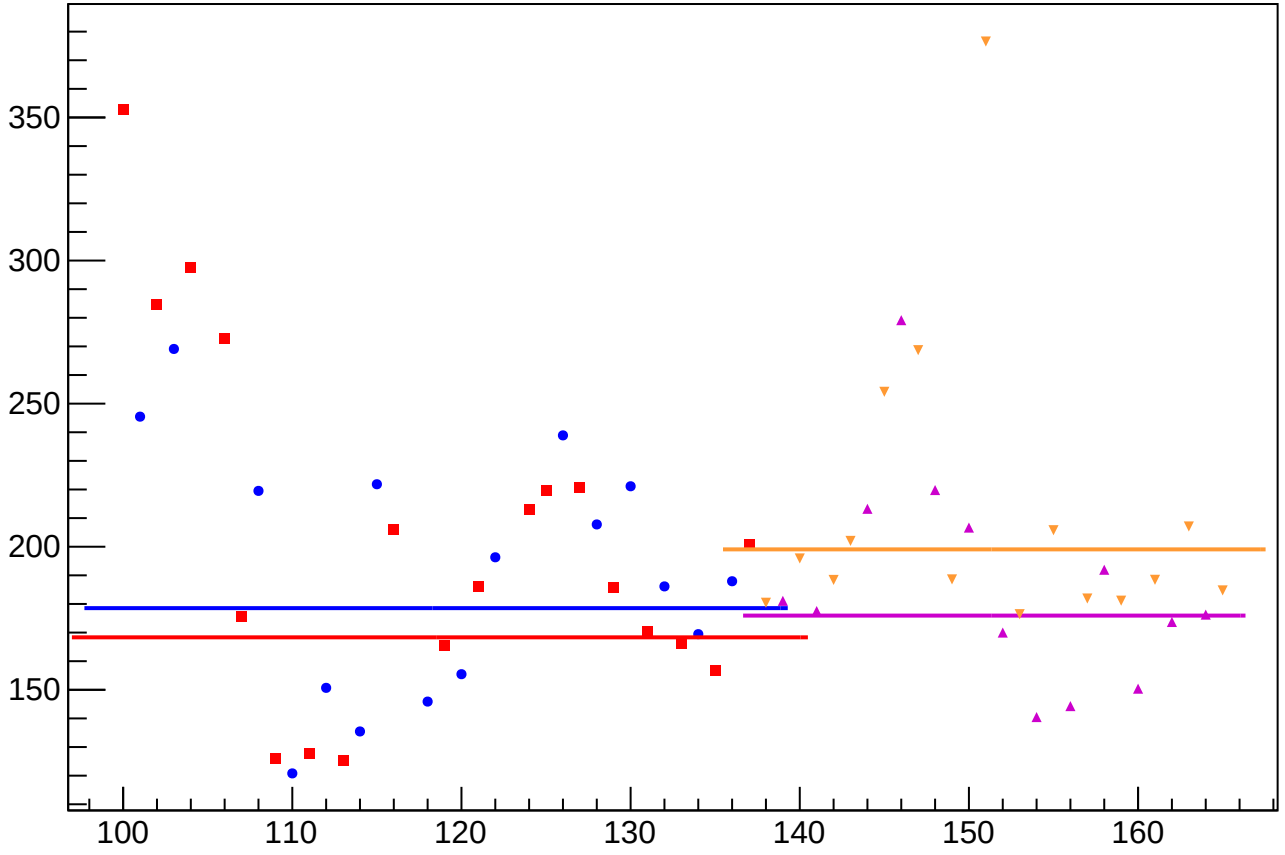
Left In: 12073.705+/-55.284 χ^2/NDF:9199.7/12

+ sign -2860.613+/-45.159 χ^2/NDF: 23340.4/30

All: 3050.307+/-30.783 χ^2/NDF: 79388.1/62

- sign 8180.610+/-42.071 χ^2/NDF: 24045.0/31

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.072+/-0.042 χ^2/NDF:633068.0/14

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

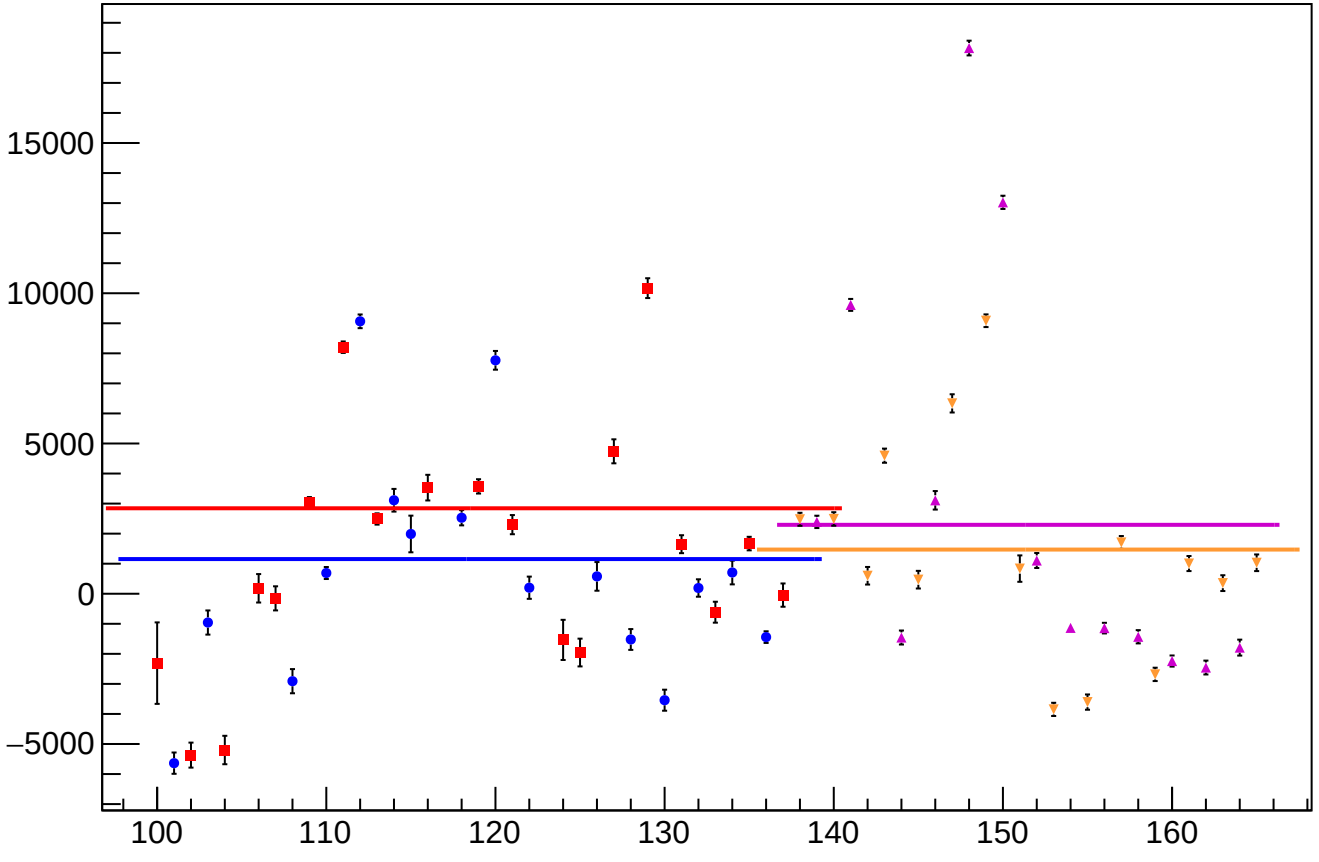
Left In: 175.934+/-0.039 χ^2/NDF:647712.3/12

+ sign 190.341+/-0.032 χ^2/NDF: 1408678.3/30

All: 180.916+/-0.022 χ^2/NDF: 3214504.1/62

- sign 172.736+/-0.030 χ^2/NDF: 1643103.8/31

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1470.143+/-64.219 χ^2/NDF:3159.3/14

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

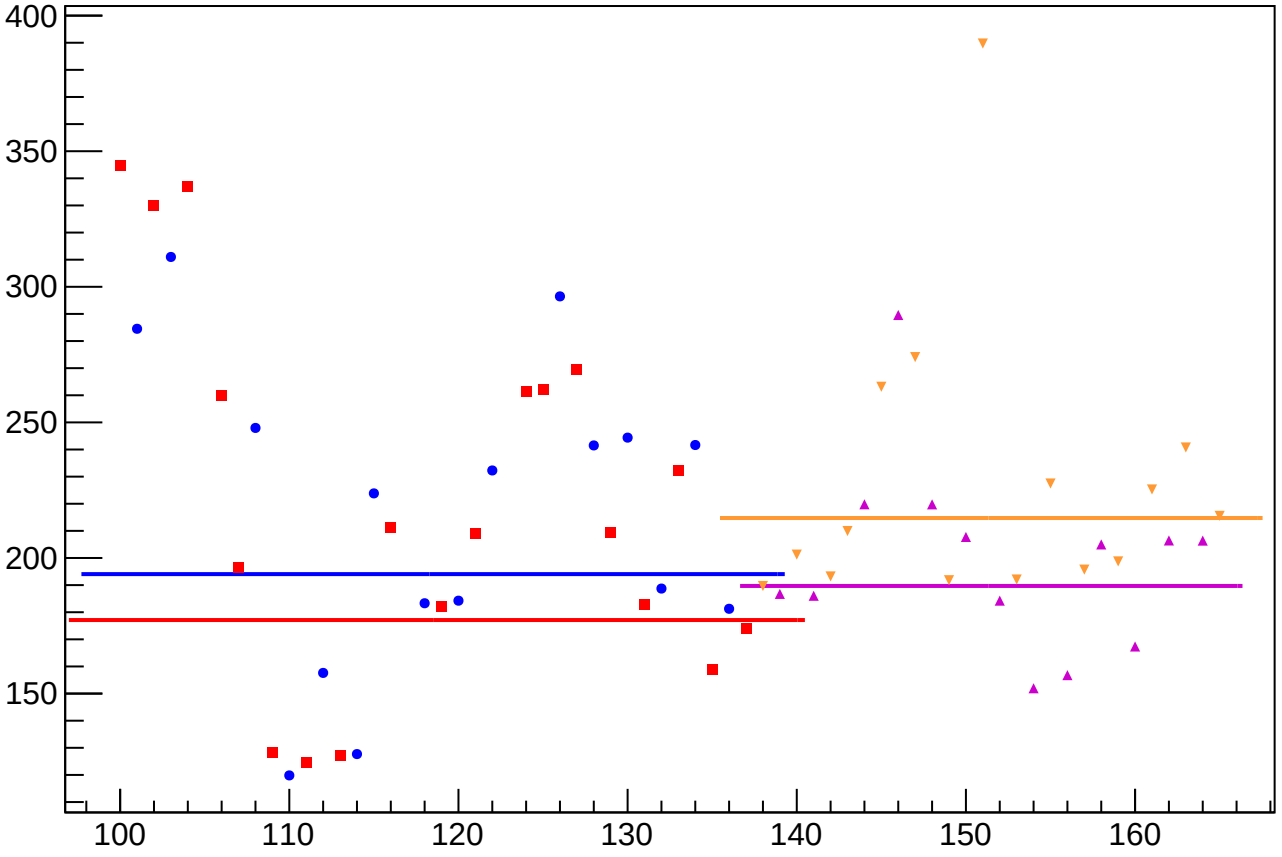
Left In: 2293.328+/-59.458 χ^2/NDF:10555.0/12

+ sign 1338.285+/-49.041 χ^2/NDF: 5824.7/30

All: 1982.783+/-33.189 χ^2/NDF: 19188.0/62

- sign 2527.396+/-45.081 χ^2/NDF: 13044.6/31

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.740+/-0.045 χ^2/NDF:592616.1/14

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

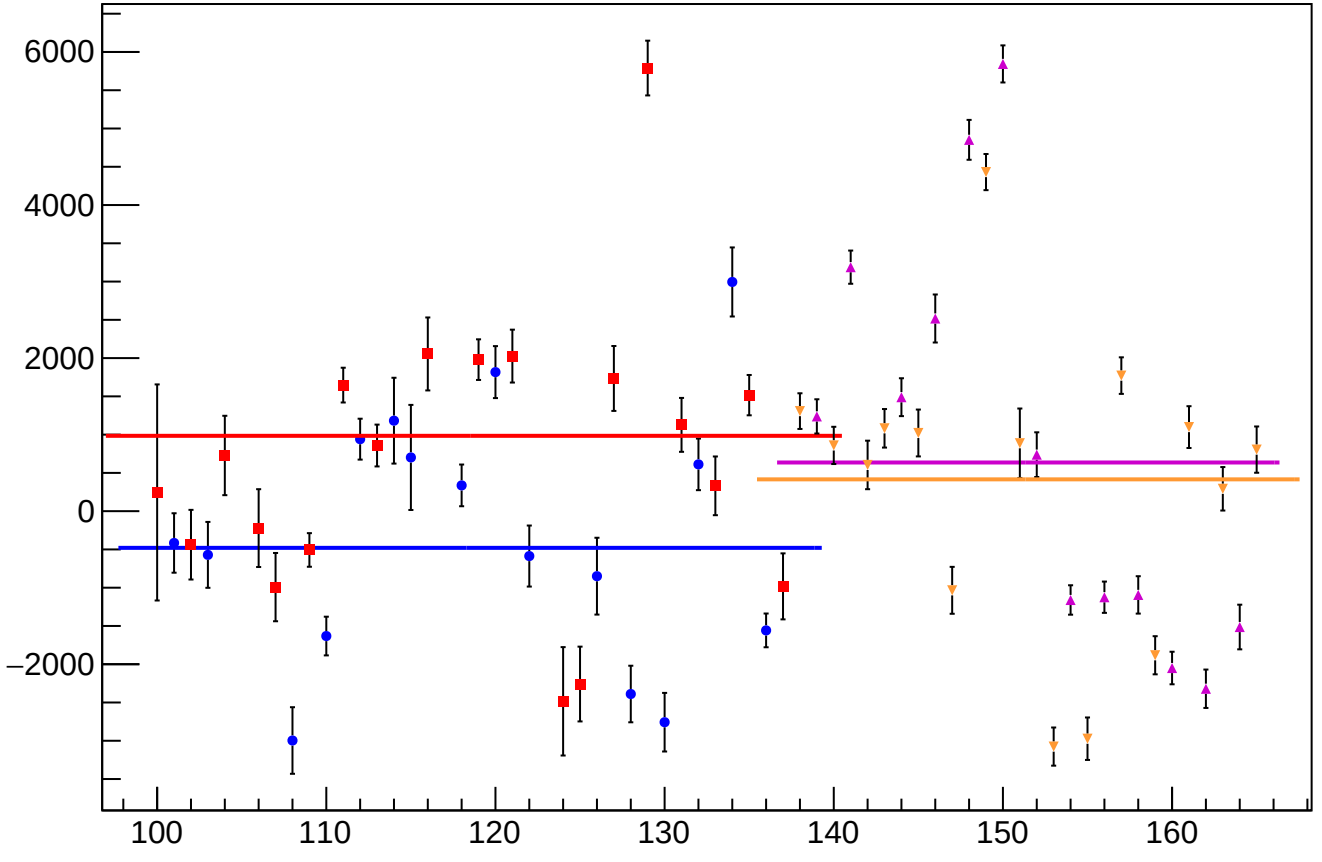
Left In: 189.687+/-0.042 χ^2/NDF:520939.8/12

+ sign 206.117+/-0.035 χ^2/NDF: 1644913.8/30

All: 194.315+/-0.023 χ^2/NDF: 3776917.6/62

- sign 184.342+/-0.032 χ^2/NDF: 1918300.5/31

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 415.651+/-69.912 χ^2/NDF:812.7/14

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

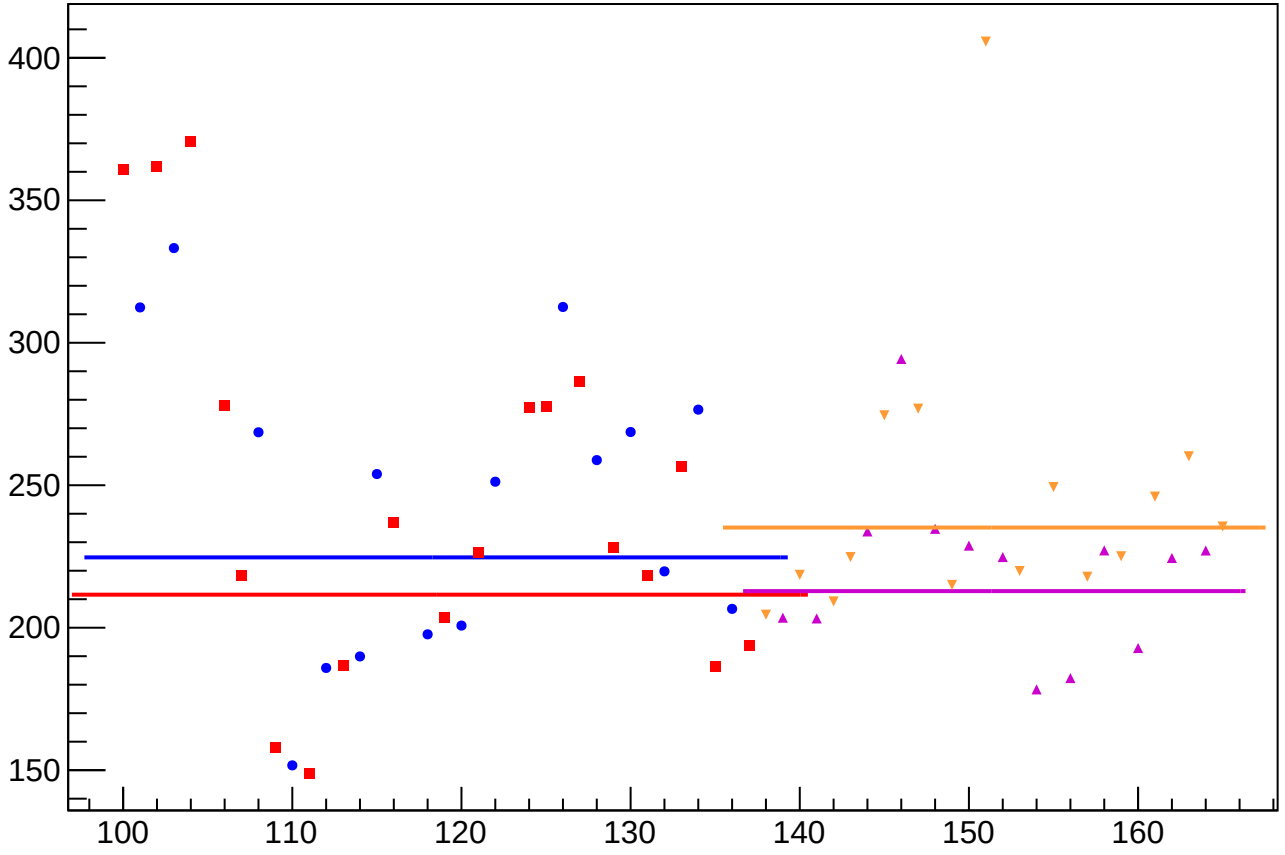
Left In: 635.935+/-66.118 χ^2/NDF:1481.9/12

+ sign 62.946+/-54.419 χ^2/NDF: 1182.7/30

All: 440.835+/-37.292 χ^2/NDF: 3164.8/62

- sign 775.426+/-51.206 χ^2/NDF: 1891.2/31

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.154+/-0.049 χ^2/NDF:472816.7/14

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

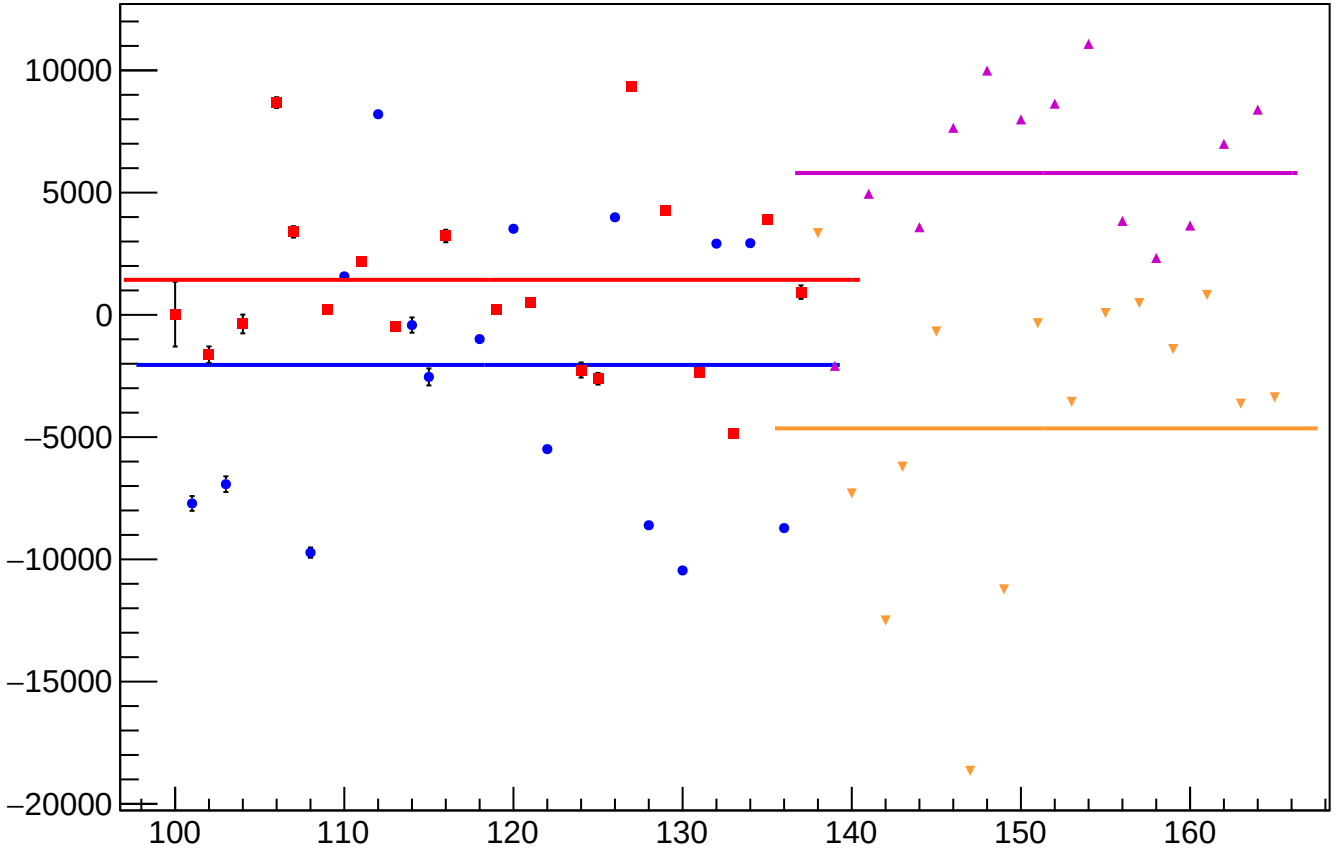
Left In: 212.846+/-0.047 χ^2/NDF:325184.7/12

+ sign 231.027+/-0.038 χ^2/NDF: 1143694.2/30

All: 221.119+/-0.026 χ^2/NDF: 2527086.3/62

- sign 212.345+/-0.036 χ^2/NDF: 1258373.8/31

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4643.867+/-35.414 χ^2/NDF:29736.6/14

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

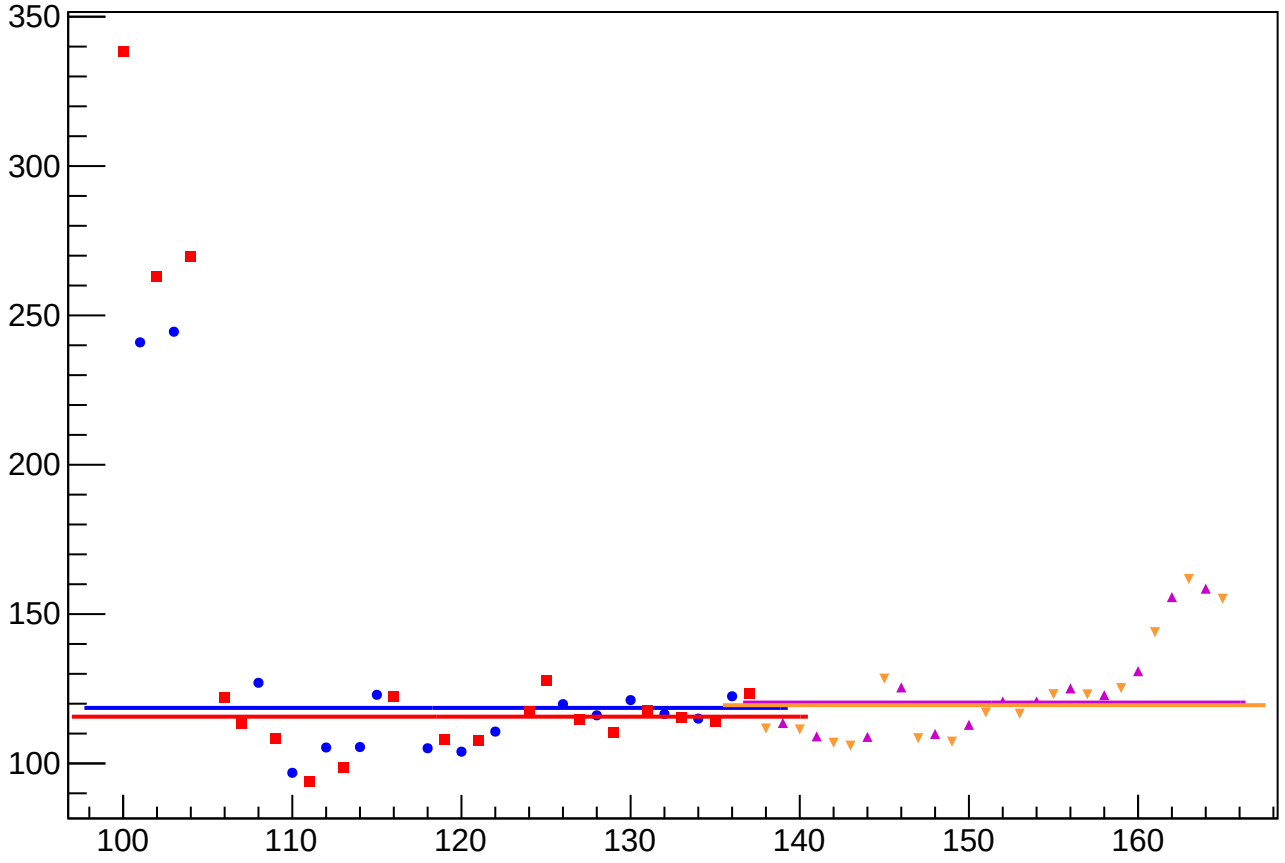
Left In: 5801.144+/-36.961 χ^2/NDF:9436.1/12

+ sign -3696.389+/-28.223 χ^2/NDF: 48407.3/30

All: 129.489+/-20.051 χ^2/NDF: 107003.5/62

- sign 4028.686+/-28.492 χ^2/NDF: 21491.4/31

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 119.502+/-0.025 χ^2/NDF:331883.8/14

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

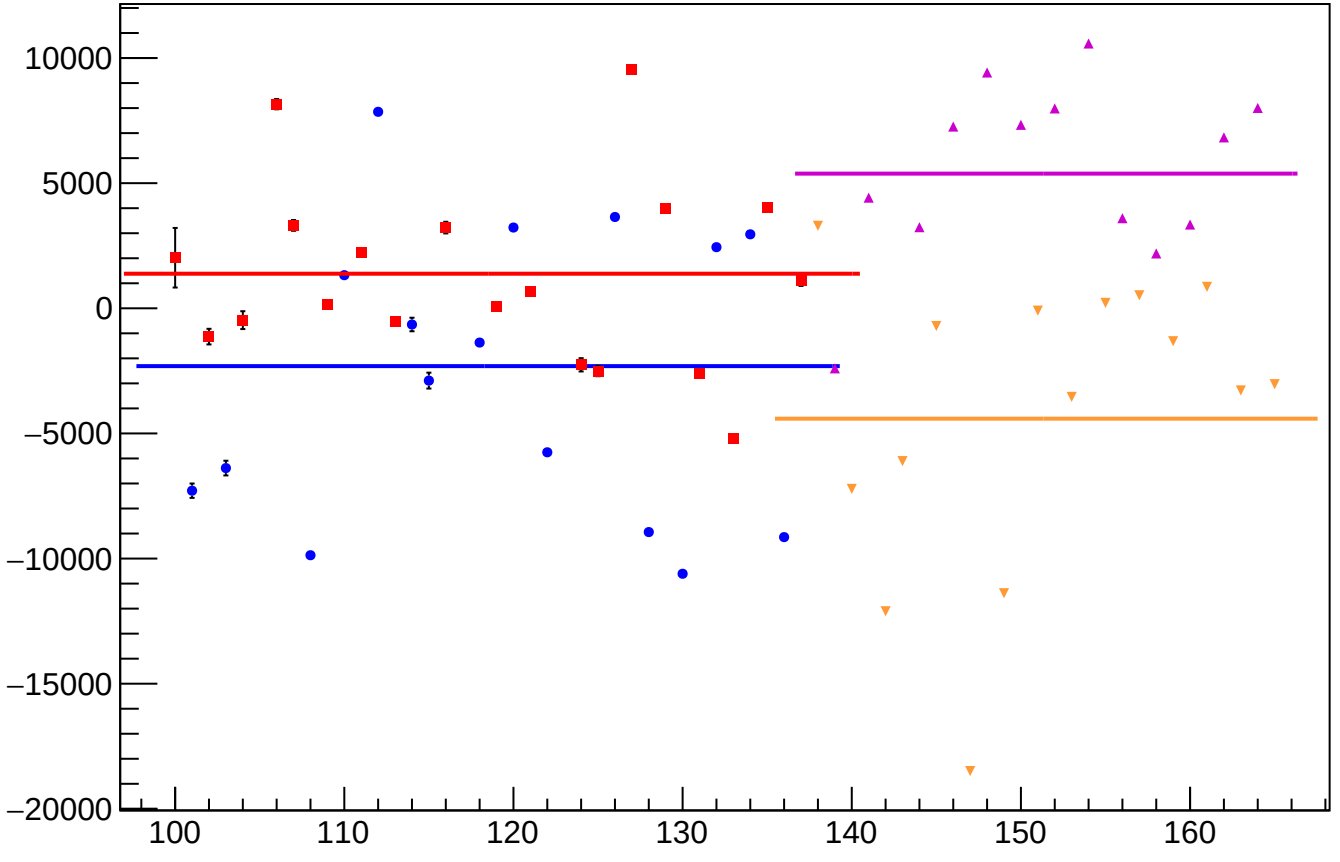
Left In: 120.373+/-0.026 χ^2/NDF:234975.0/12

+ sign 119.172+/-0.020 χ^2/NDF: 1066520.6/30

All: 118.819+/-0.014 χ^2/NDF: 2179525.7/62

- sign 118.460+/-0.020 χ^2/NDF: 1112375.9/31

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4409.970+/-31.755 χ^2/NDF:35957.3/14

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

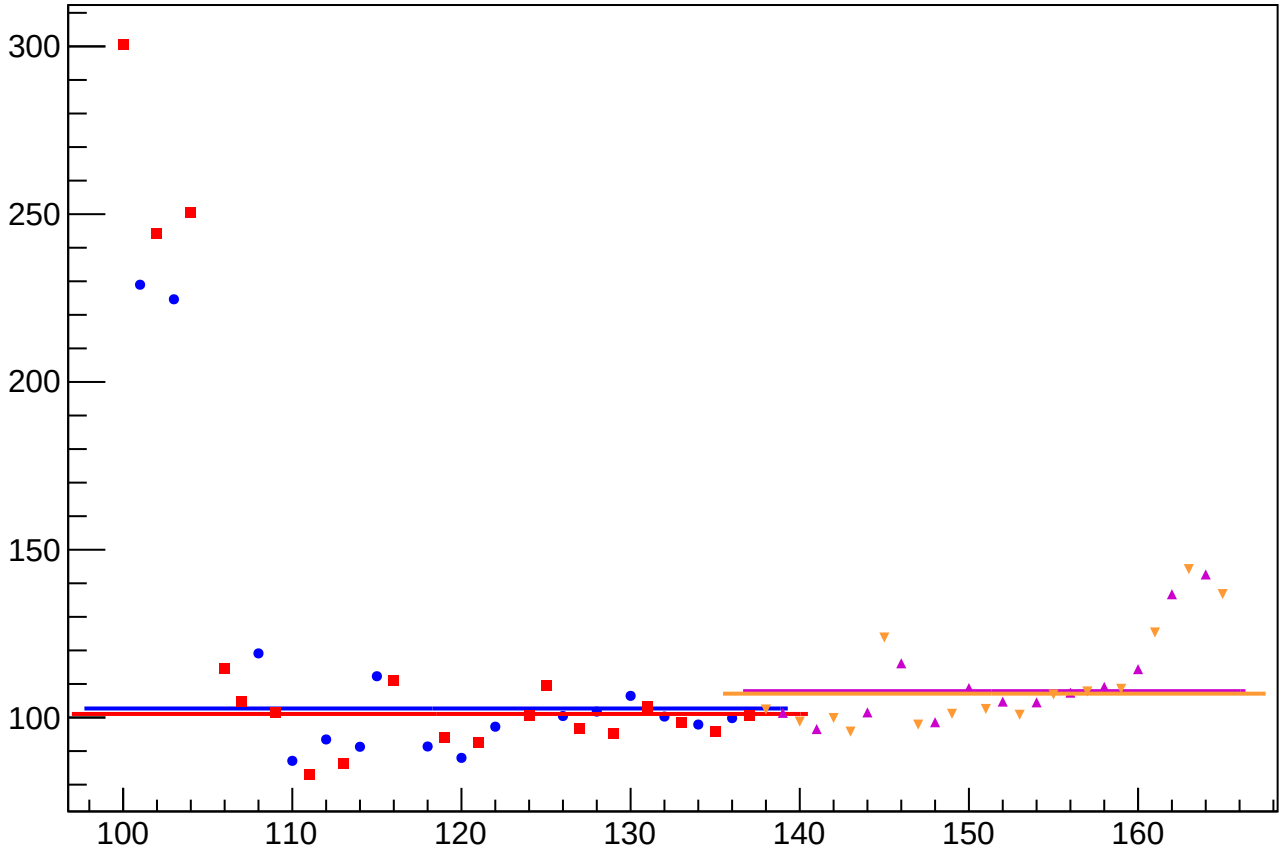
Left In: 5381.420+/-33.136 χ^2/NDF:11219.0/12

+ sign -3616.391+/-25.044 χ^2/NDF: 59288.9/30

All: 8.966+/-17.814 χ^2/NDF: 127546.4/62

- sign 3721.707+/-25.344 χ^2/NDF: 25842.9/31

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 107.115+/-0.022 χ^2/NDF:301242.4/14

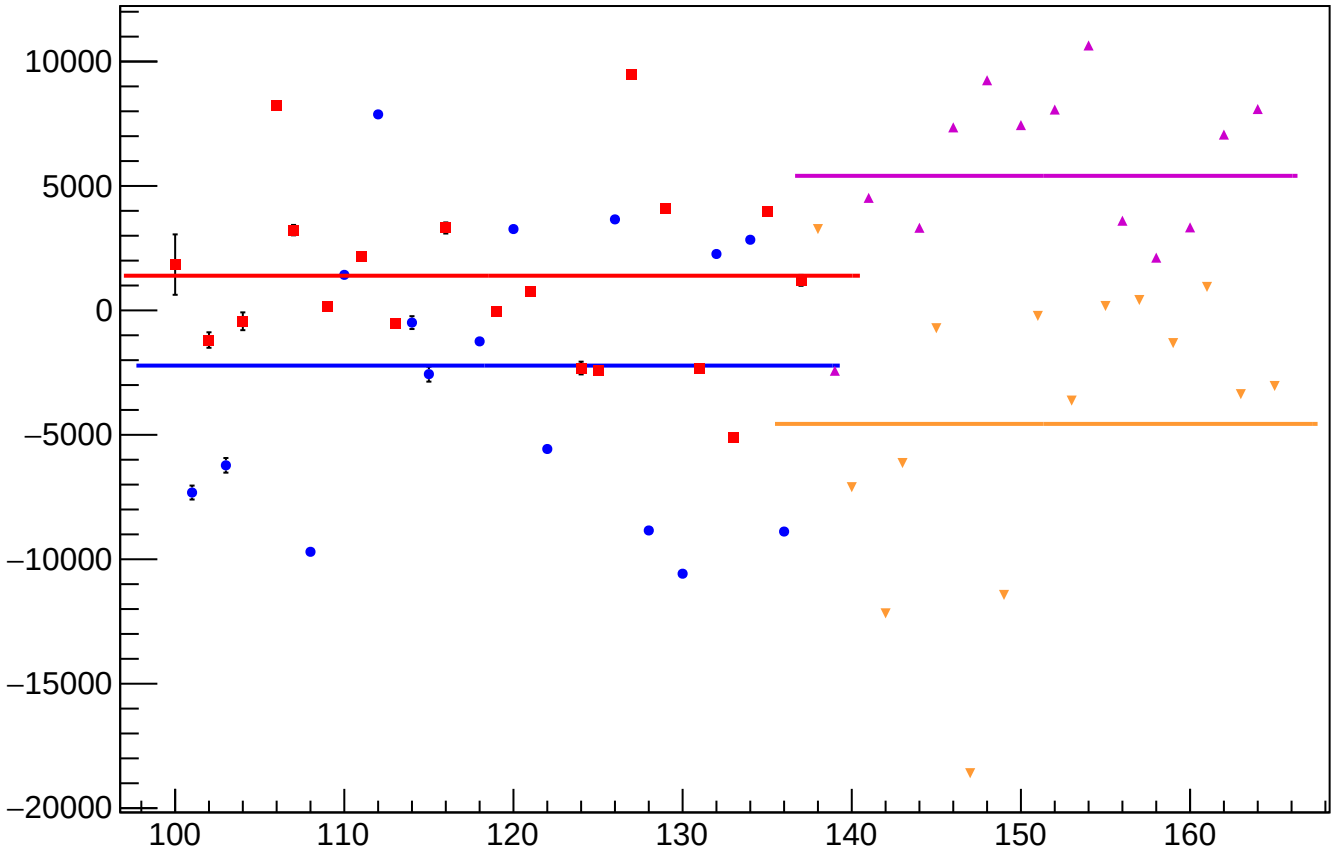
Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 107.858+/-0.023 χ^2/NDF:211938.3/12

+ sign 105.443+/-0.018 χ^2/NDF: 1141696.4/30

All: 105.243+/-0.013 χ^2/NDF: 2319246.6/62

- sign 105.038+/-0.018 χ^2/NDF: 1177291.1/31



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4560.796+/-31.086 χ^2/NDF:38817.4/14

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

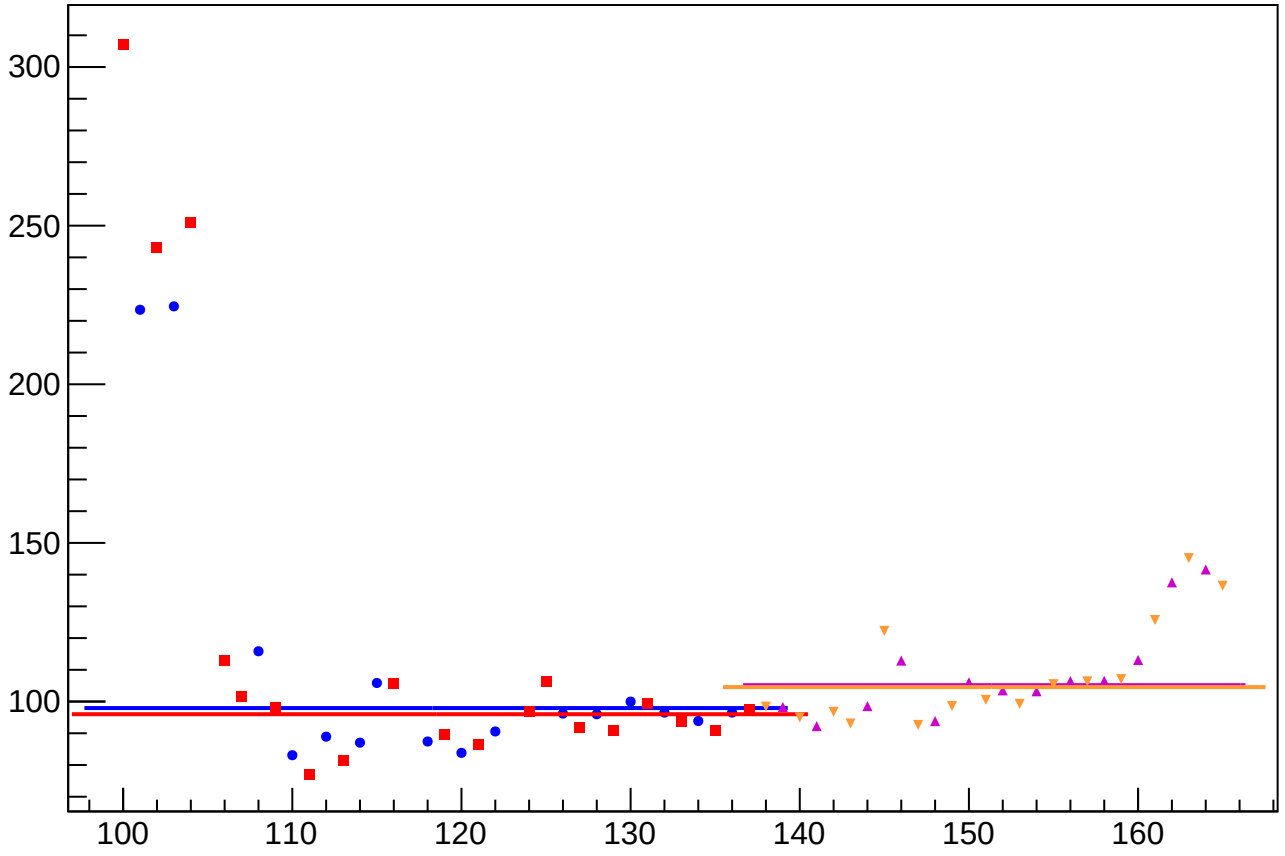
Left In: 5406.740+/-32.401 χ^2/NDF:11888.7/12

+ sign -3651.753+/-24.318 χ^2/NDF: 64062.0/30

All: -11.400+/-17.273 χ^2/NDF: 136873.7/62

- sign 3695.529+/-24.539 χ^2/NDF: 27582.4/31

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 104.548+/-0.022 χ^2/NDF:367931.9/14

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

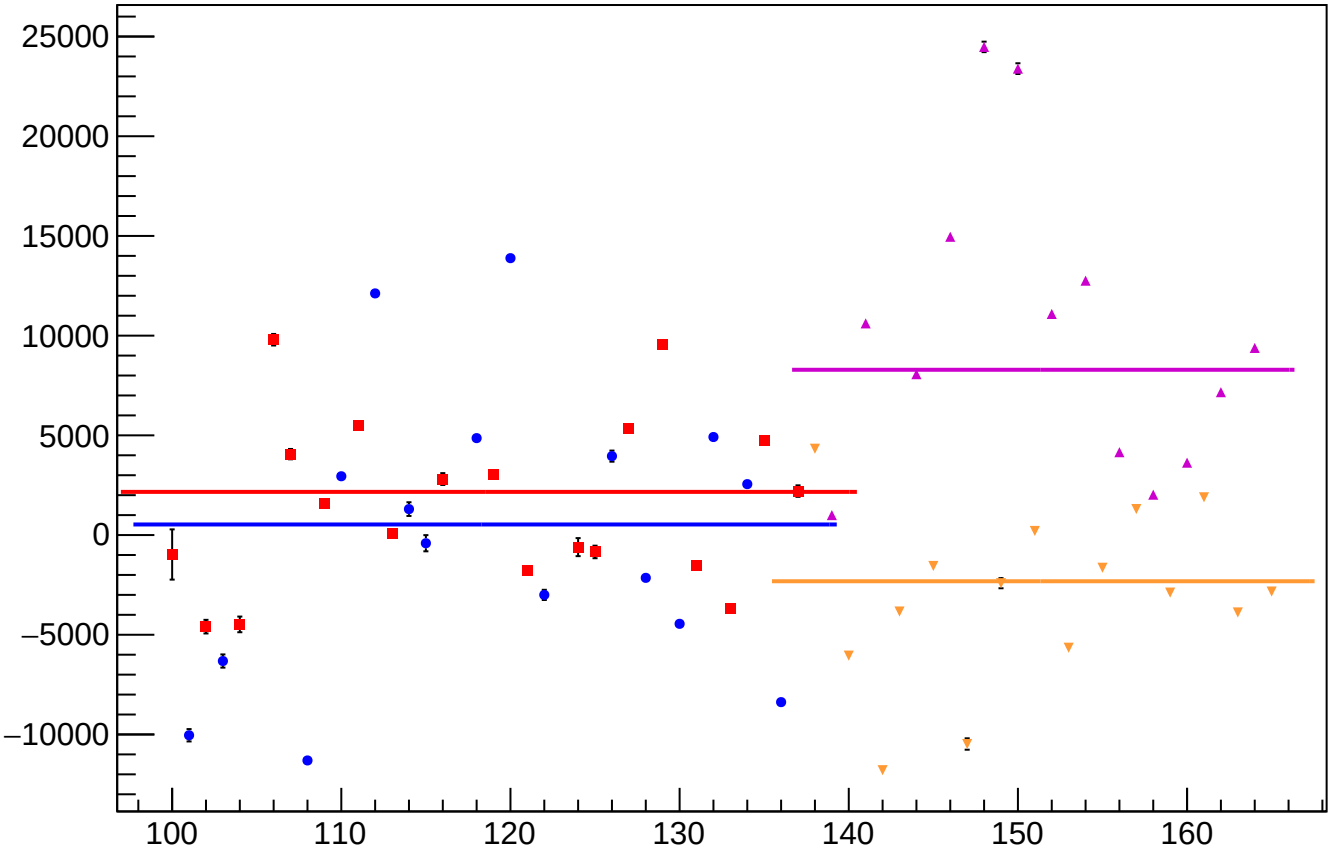
Left In: 105.170+/-0.023 χ^2/NDF:258729.1/12

+ sign 101.986+/-0.017 χ^2/NDF: 1271112.8/30

All: 101.627+/-0.012 χ^2/NDF: 2611241.5/62

- sign 101.262+/-0.017 χ^2/NDF: 1339251.2/31

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2316.582+/-45.579 χ^2/NDF:6954.5/14

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

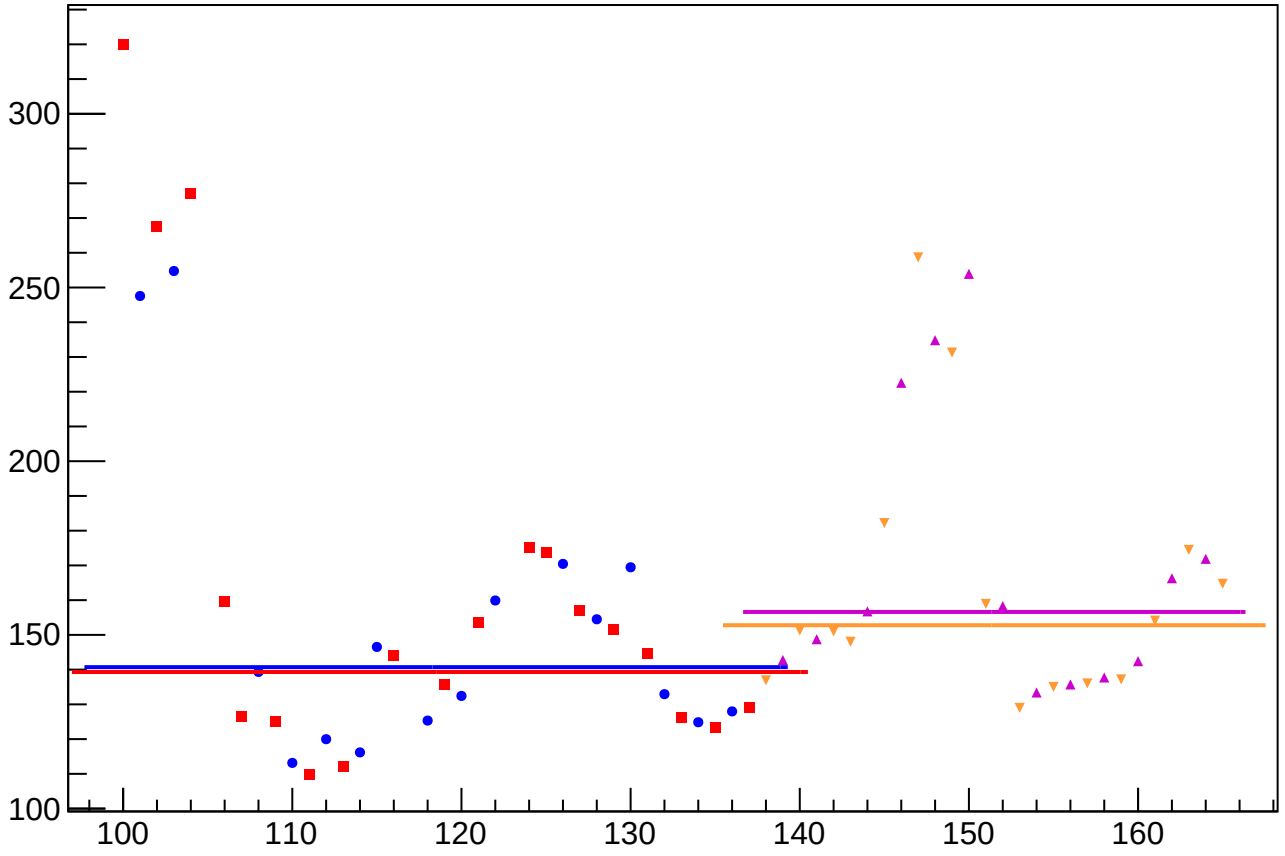
Left In: 8288.269+/-48.717 χ^2/NDF:14794.7/12

+ sign -1153.743+/-35.057 χ^2/NDF: 27135.8/30

All: 2089.023+/-25.118 χ^2/NDF: 71648.8/62

- sign 5510.163+/-36.008 χ^2/NDF: 26929.4/31

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 152.782+/-0.032 χ^2/NDF:696078.0/14

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

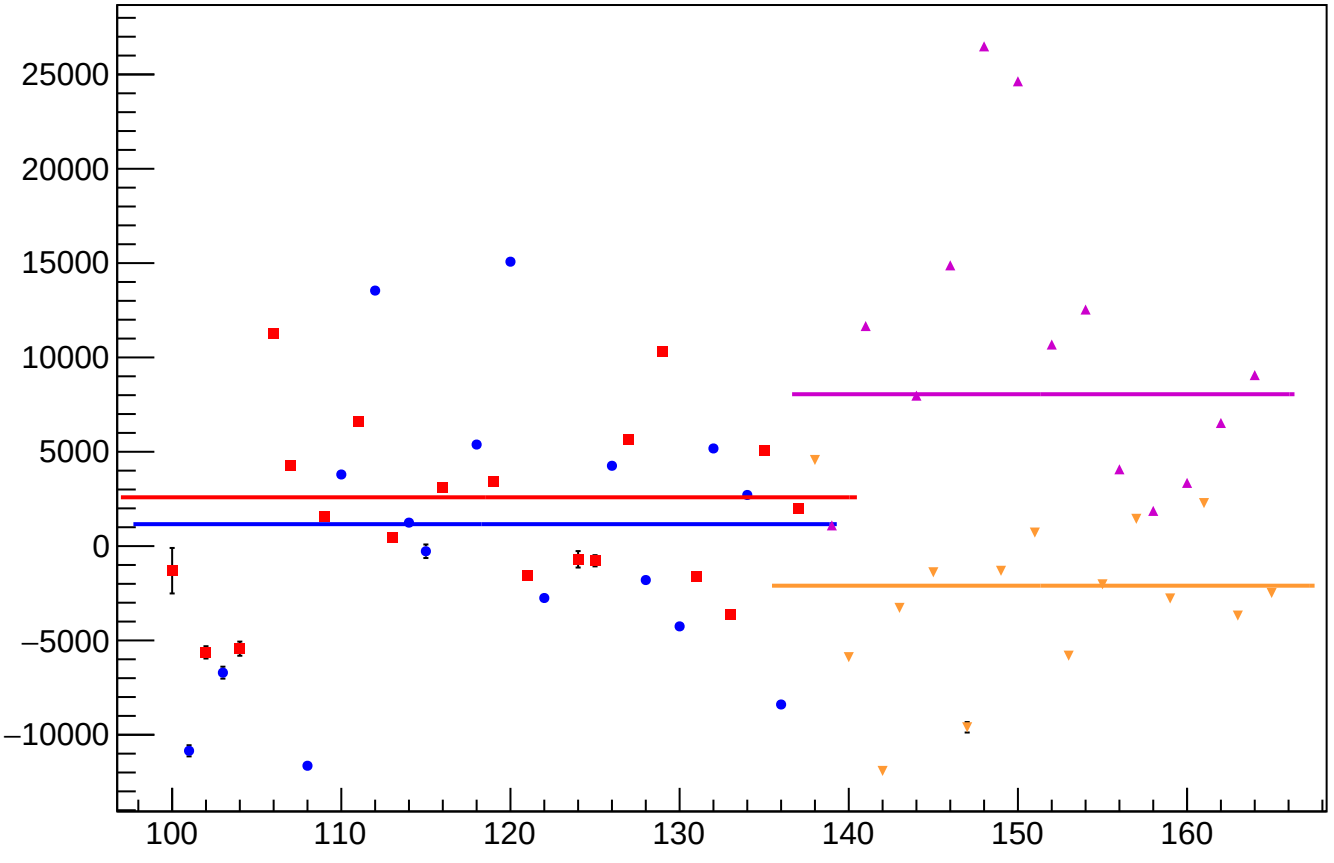
Left In: 156.605+/-0.034 χ^2/NDF:771943.0/12

+ sign 147.853+/-0.025 χ^2/NDF: 1428946.6/30

All: 148.295+/-0.018 χ^2/NDF: 3118131.5/62

- sign 148.762+/-0.025 χ^2/NDF: 1688531.8/31

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2098.166+/-40.152 χ^2/NDF:9199.4/14

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

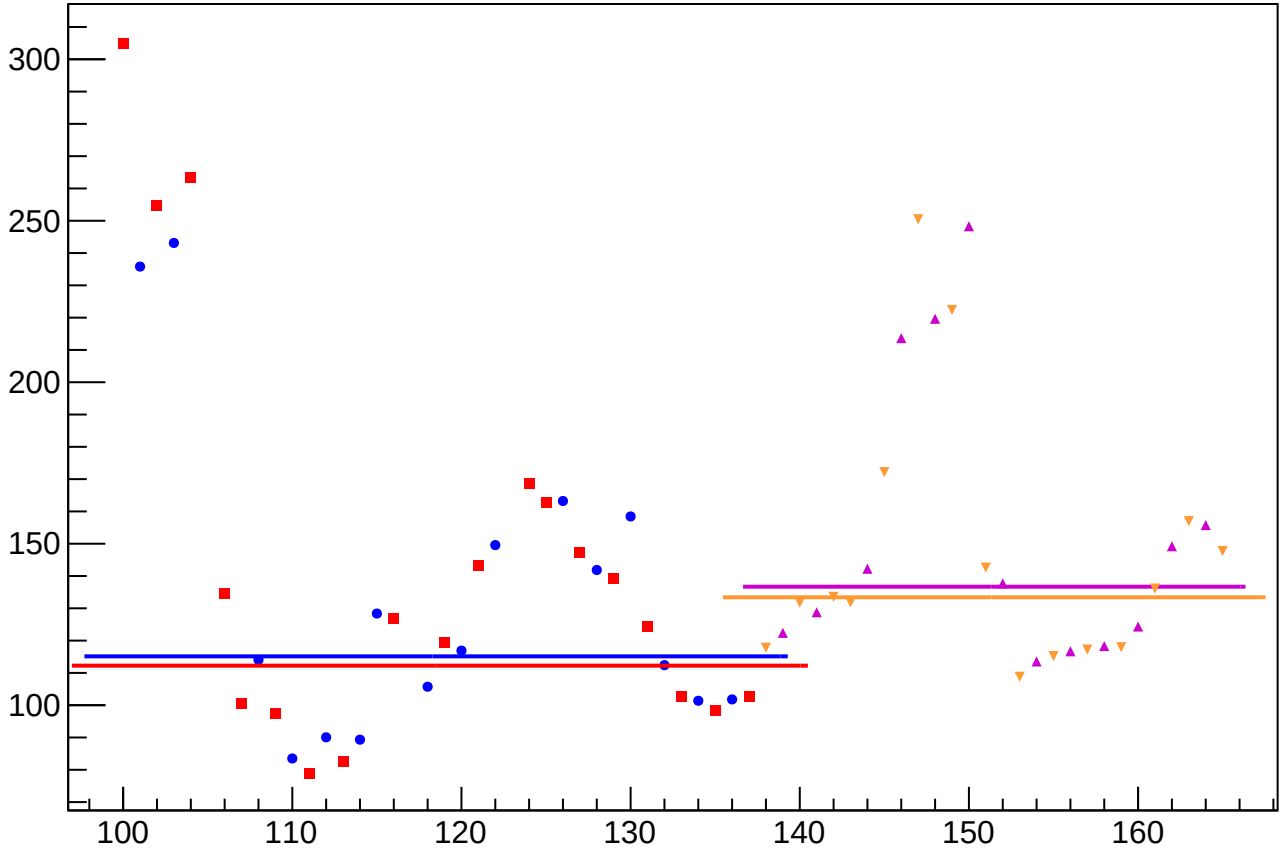
Left In: 8050.101+/-42.987 χ^2/NDF:19889.1/12

+ sign -685.491+/-30.230 χ^2/NDF: 42811.2/30

All: 2295.877+/-21.587 χ^2/NDF: 98488.4/62

- sign 5397.909+/-30.835 χ^2/NDF: 35830.1/31

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 133.416+/-0.028 χ^2/NDF:971579.0/14

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

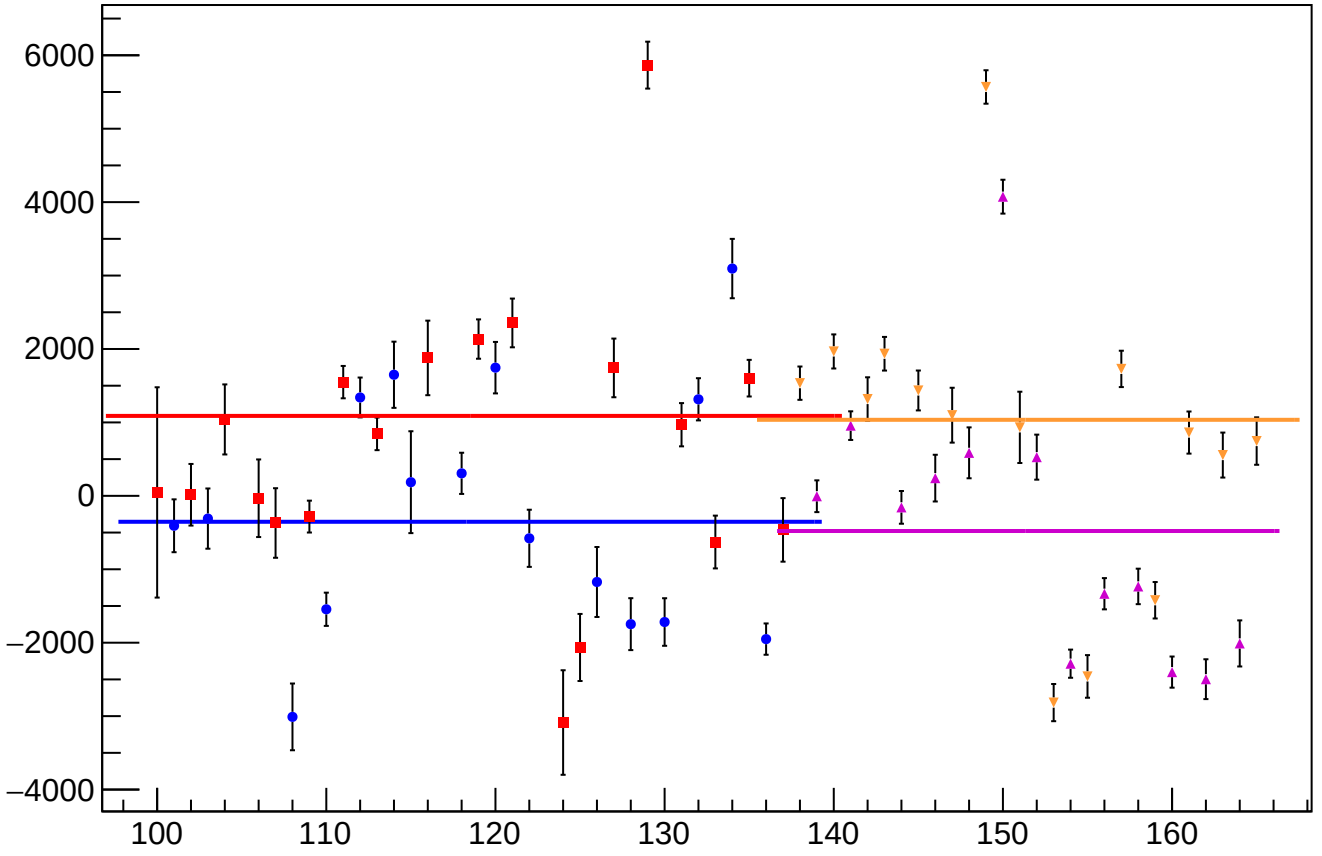
Left In: 136.691+/-0.030 χ^2/NDF:1053790.4/12

+ sign 125.493+/-0.021 χ^2/NDF: 2264342.8/30

All: 125.164+/-0.015 χ^2/NDF: 4960853.8/62

- sign 124.822+/-0.022 χ^2/NDF: 2696027.8/31

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1035.548+/-69.826 χ^2/NDF:921.4/14

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

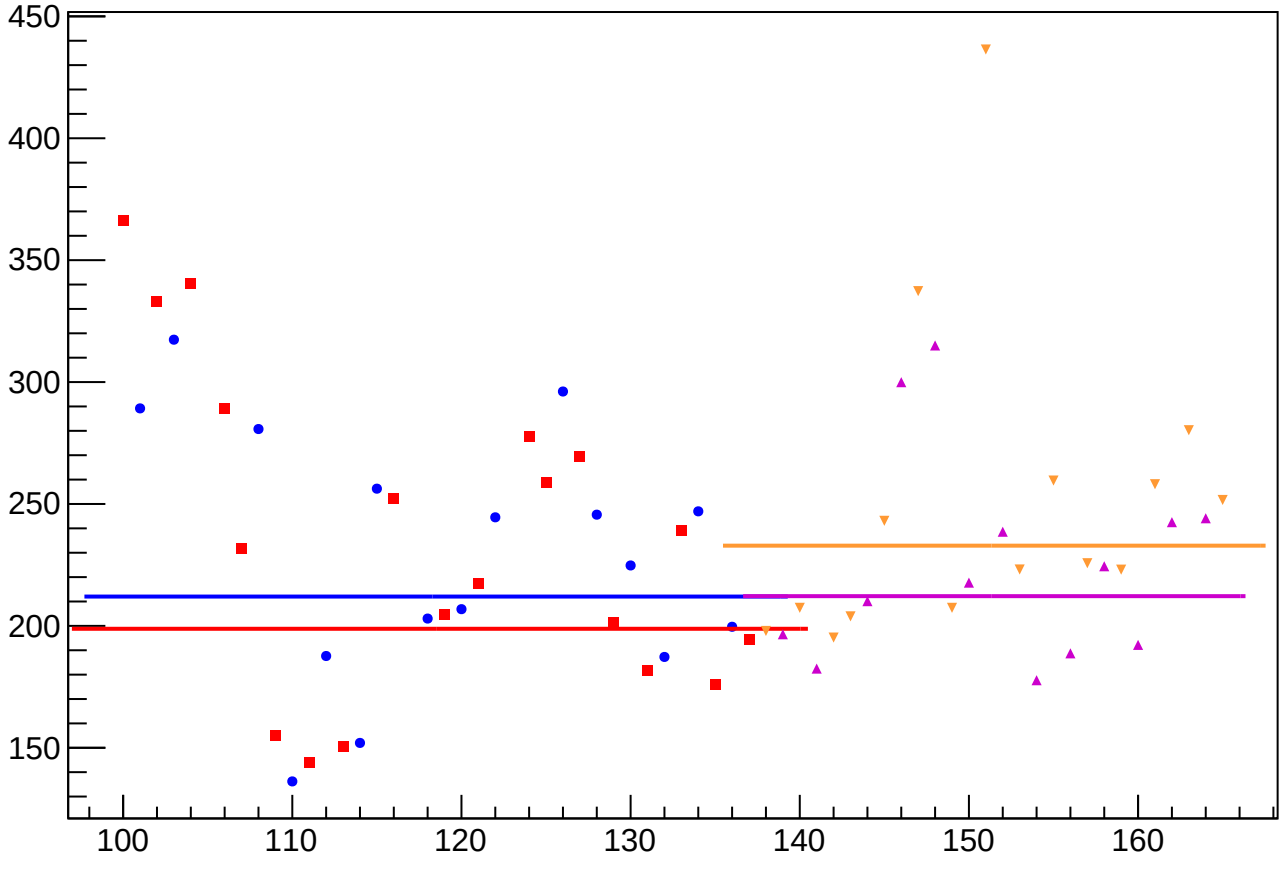
Left In: -478.812+/-66.252 χ^2/NDF:752.0/12

+ sign 452.963+/-53.200 χ^2/NDF: 1449.1/30

All: 315.402+/-36.459 χ^2/NDF: 2901.1/62

- sign 193.574+/-50.066 χ^2/NDF: 1439.3/31

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 232.903+/-0.049 χ^2/NDF:766303.5/14

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

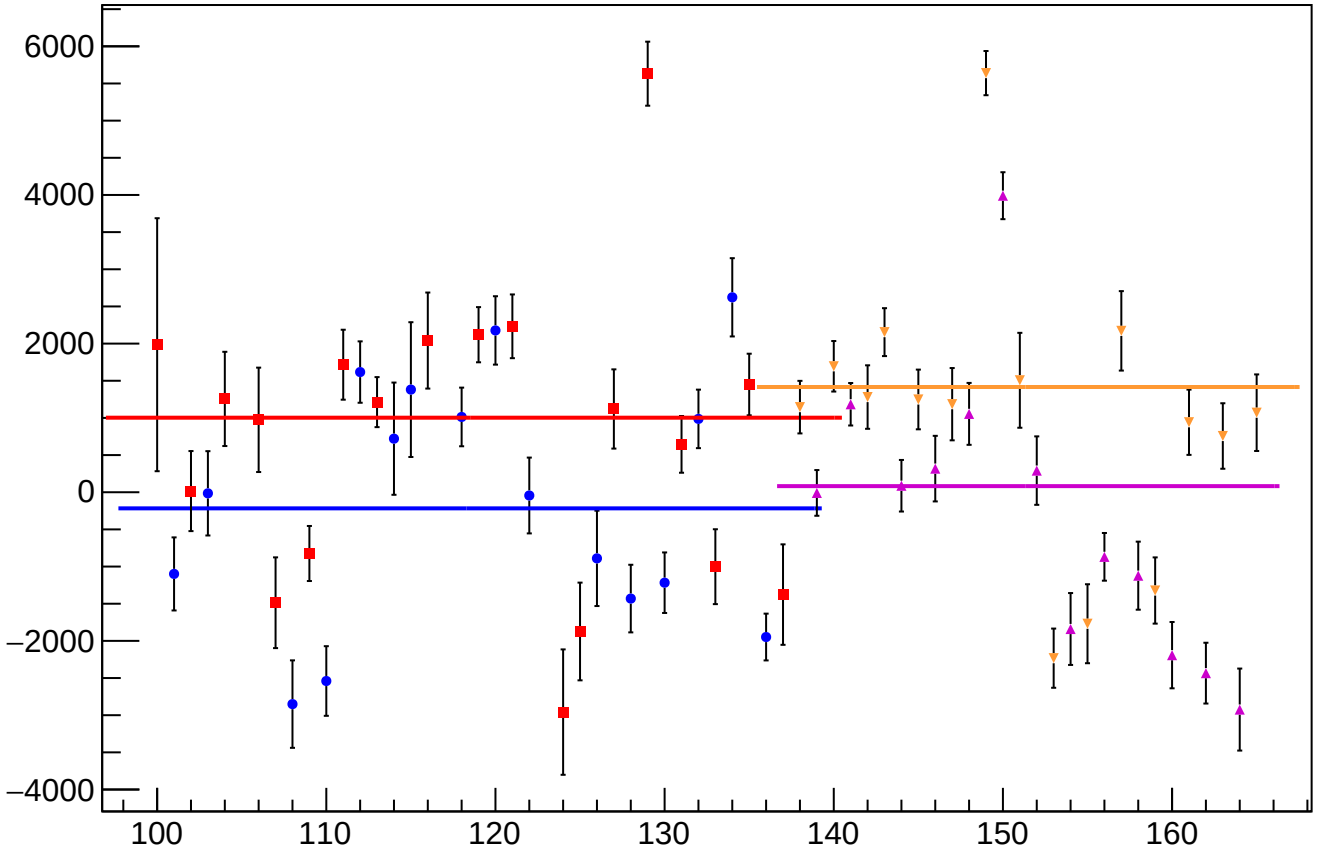
Left In: 212.191+/-0.047 χ^2/NDF:558866.7/12

+ sign 224.145+/-0.038 χ^2/NDF: 1531658.0/30

All: 214.762+/-0.026 χ^2/NDF: 3217782.8/62

- sign 206.451+/-0.035 χ^2/NDF: 1568794.2/31

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1416.009+/-106.339 χ^2/NDF:372.3/14

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

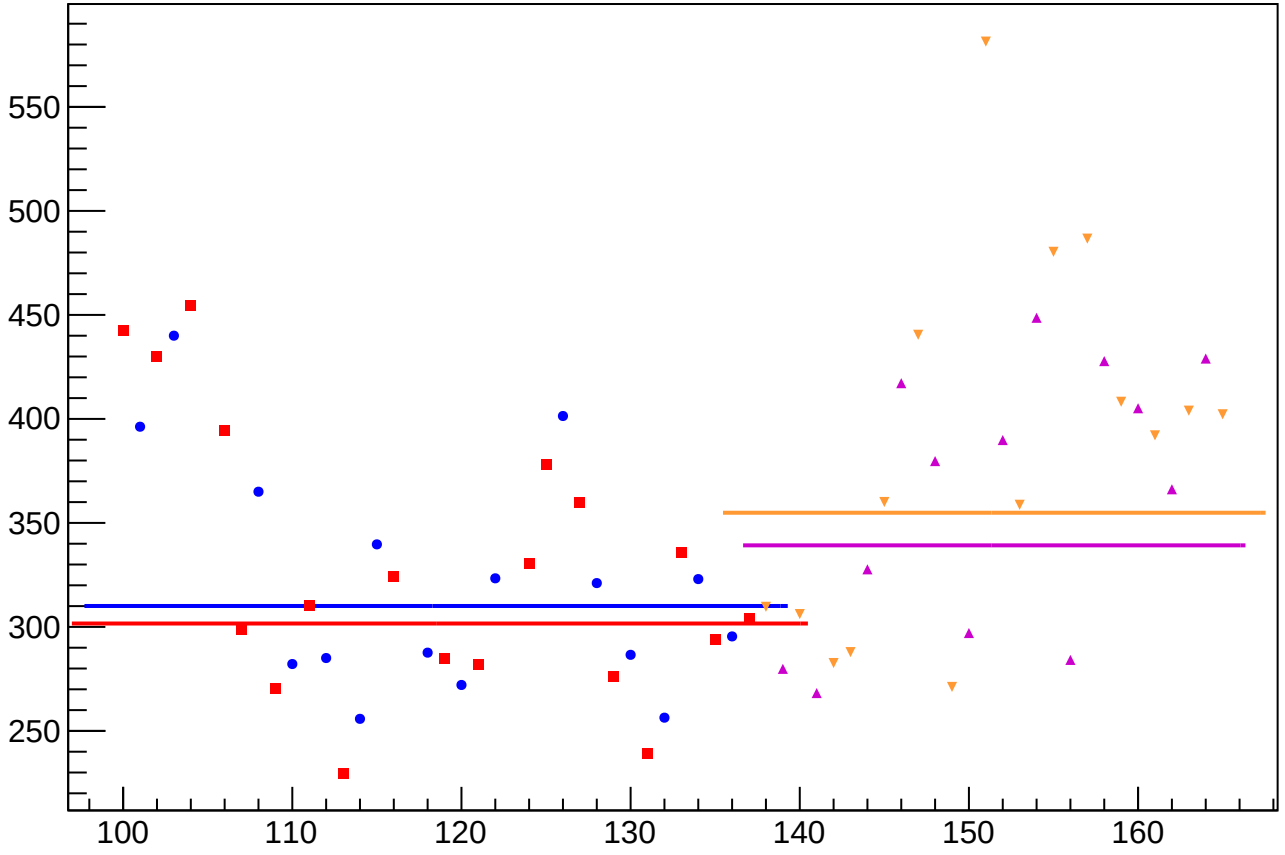
Left In: 82.172+/-105.524 χ^2/NDF:299.1/12

+ sign 683.406+/-78.961 χ^2/NDF: 670.2/30

All: 595.059+/-55.186 χ^2/NDF: 1261.5/62

- sign 510.696+/-77.160 χ^2/NDF: 588.8/31

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 354.894+/-0.075 χ^2/NDF:1007937.9/14

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

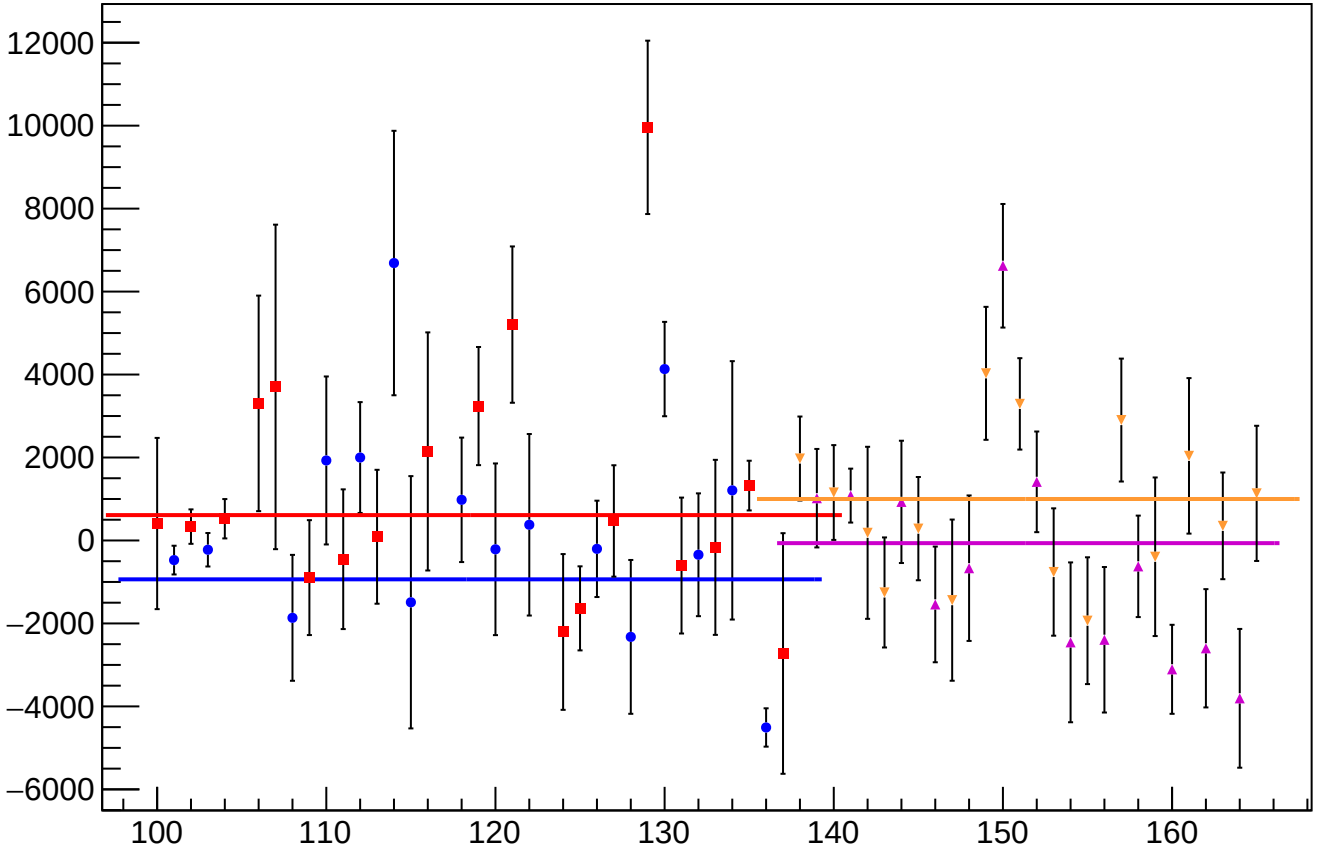
Left In: 339.213+/-0.075 χ^2/NDF:682821.1/12

+ sign 334.781+/-0.056 χ^2/NDF: 1490701.6/30

All: 328.103+/-0.039 χ^2/NDF: 2839381.8/62

- sign 321.727+/-0.055 χ^2/NDF: 1320721.9/31

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 999.992+/-364.811 χ^2/NDF:21.5/14

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

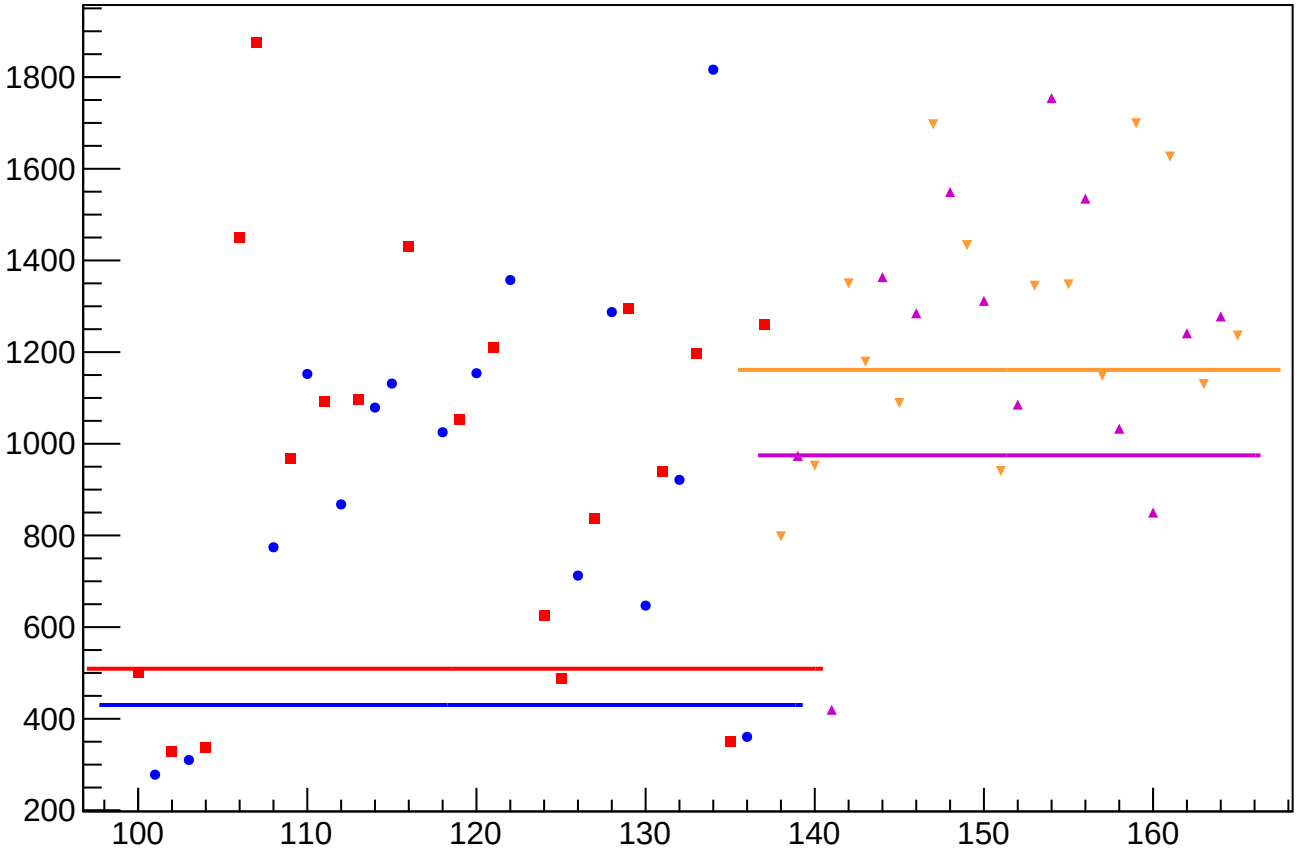
Left In: -64.377+/-343.266 χ^2/NDF:47.0/12

+ sign -473.081+/-178.528 χ^2/NDF: 144.2/30

All: -71.000+/-131.014 χ^2/NDF: 248.9/62

- sign 398.254+/-192.865 χ^2/NDF: 93.8/31

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1161.205+/-0.258 χ^2/NDF:983817.5/14

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

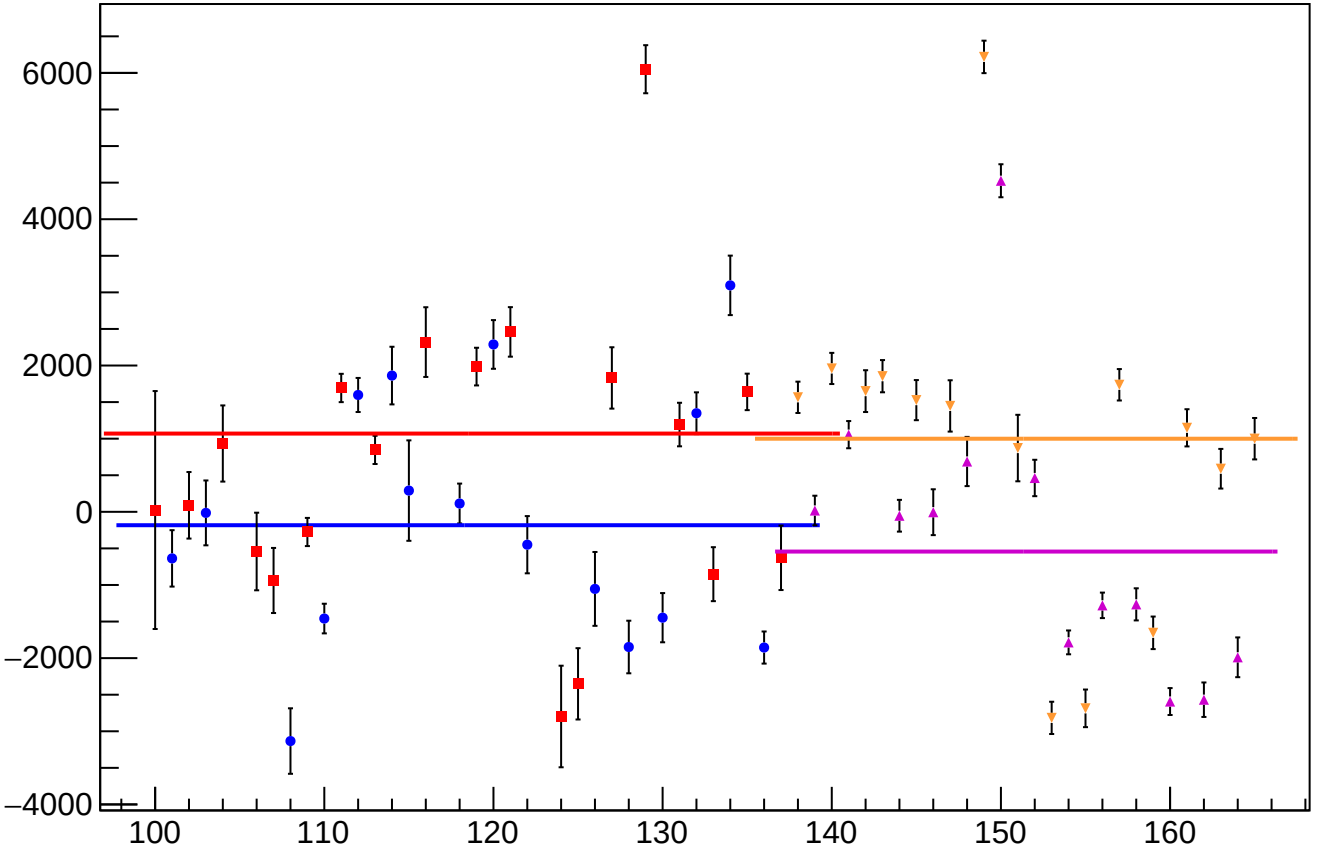
Left In: 974.759+/-0.243 χ^2/NDF:2728579.8/12

+ sign 605.197+/-0.126 χ^2/NDF: 10614389.8/30

All: 628.729+/-0.093 χ^2/NDF: 19608854.8/62

- sign 656.192+/-0.136 χ^2/NDF: 8919162.2/31

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 999.347+/-64.231 χ^2/NDF:1267.6/14

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

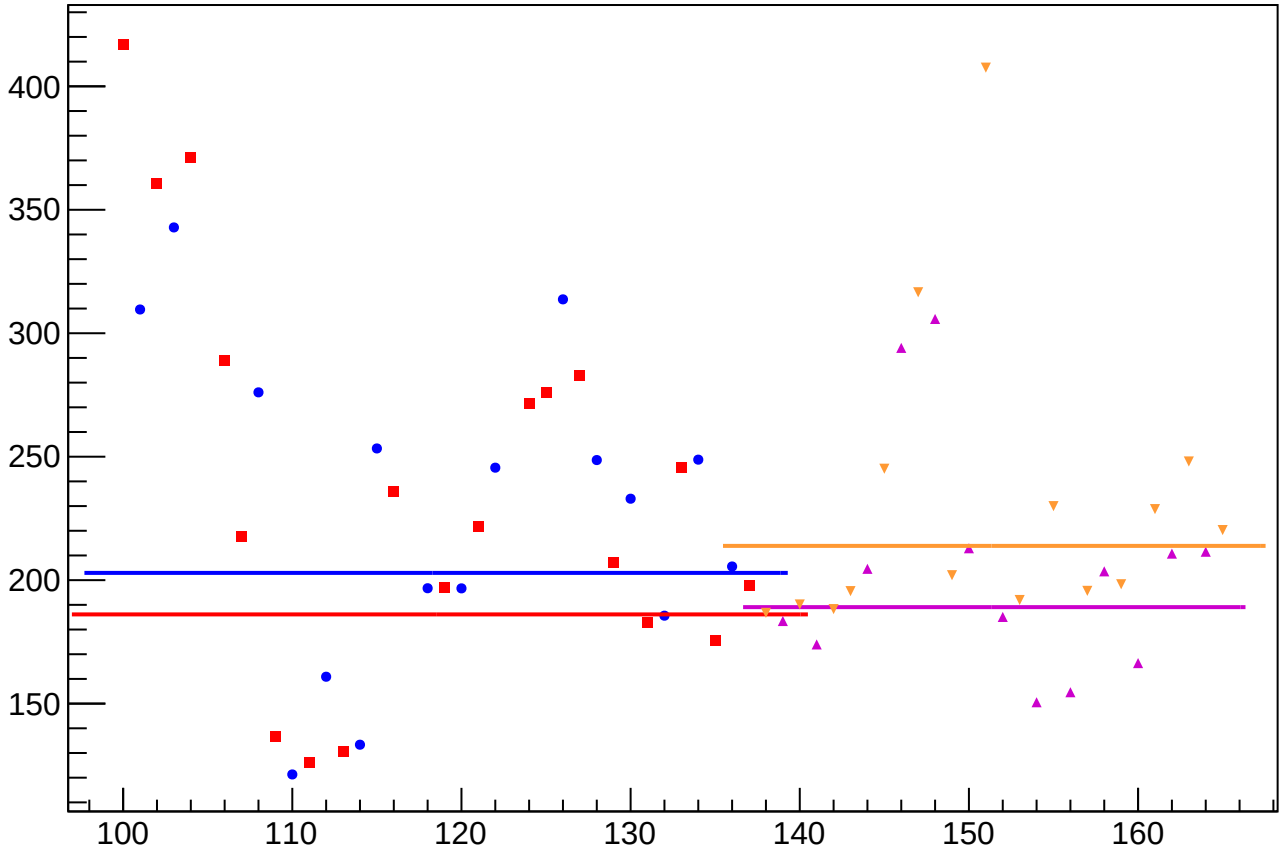
Left In: -543.299+/-59.565 χ^2/NDF:937.1/12

+ sign 534.946+/-50.052 χ^2/NDF: 1818.4/30

All: 300.353+/-33.935 χ^2/NDF: 3581.2/62

- sign 100.767+/-46.166 χ^2/NDF: 1722.2/31

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 213.880+/-0.045 χ^2/NDF:744680.8/14

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

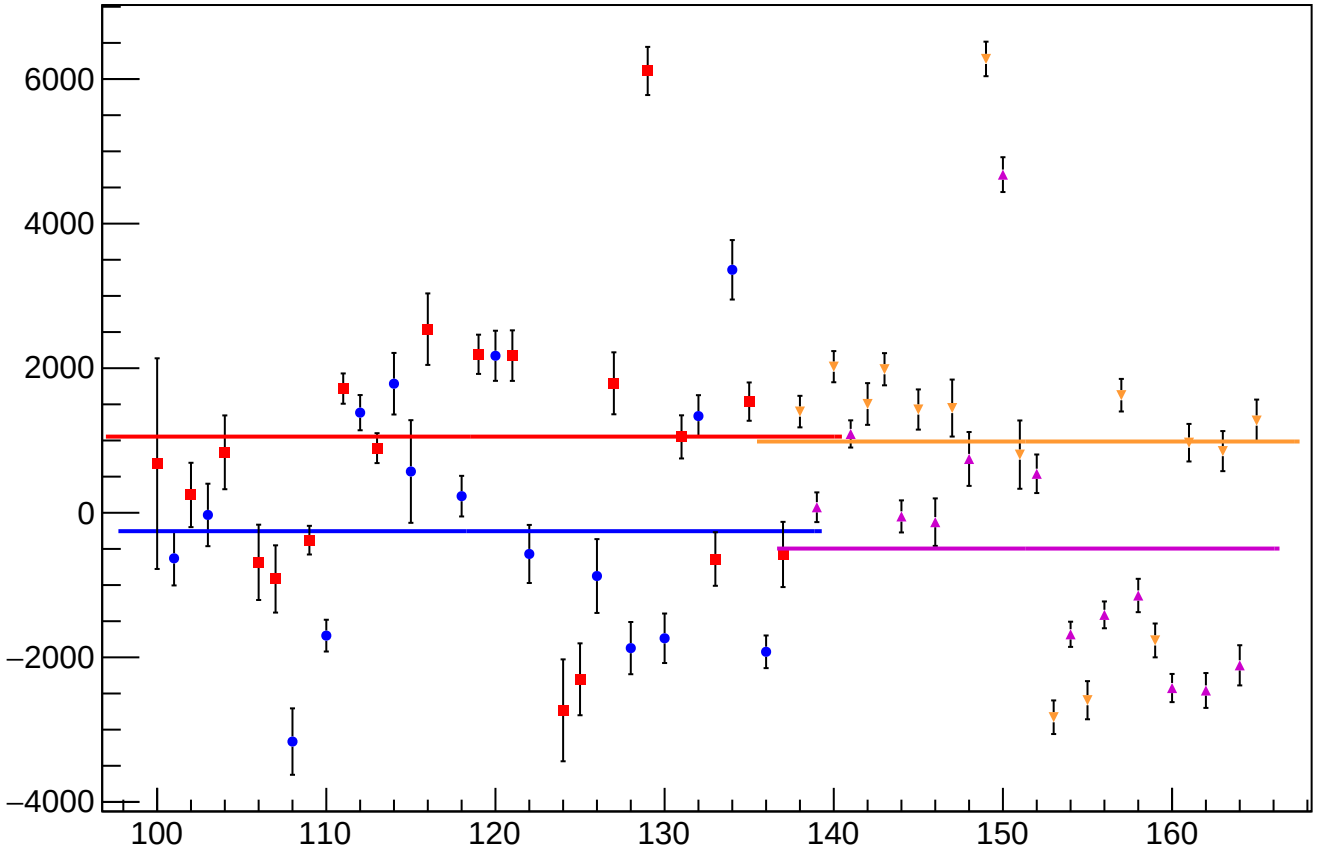
Left In: 189.074+/-0.042 χ^2/NDF:772756.8/12

+ sign 209.584+/-0.035 χ^2/NDF: 1839325.0/30

All: 197.867+/-0.024 χ^2/NDF: 4298550.0/62

- sign 187.898+/-0.033 χ^2/NDF: 2256374.0/31

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 985.893+/-66.439 χ^2/NDF:1145.6/14

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

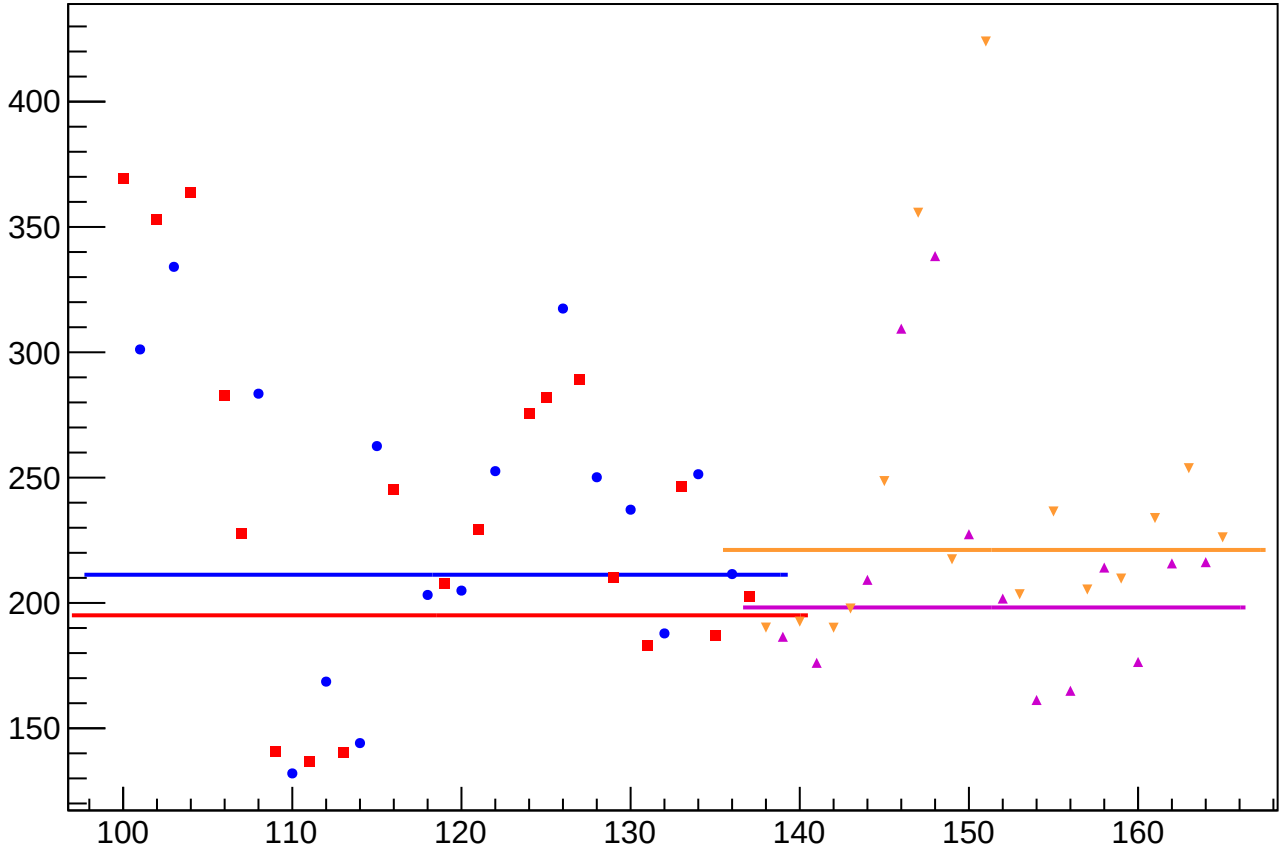
Left In: -495.030+/-62.359 χ^2/NDF:847.7/12

+ sign 497.854+/-51.743 χ^2/NDF: 1692.0/30

All: 300.061+/-35.269 χ^2/NDF: 3293.0/62

- sign 128.427+/-48.200 χ^2/NDF: 1573.7/31

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.145+/-0.047 χ^2/NDF:808297.0/14

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

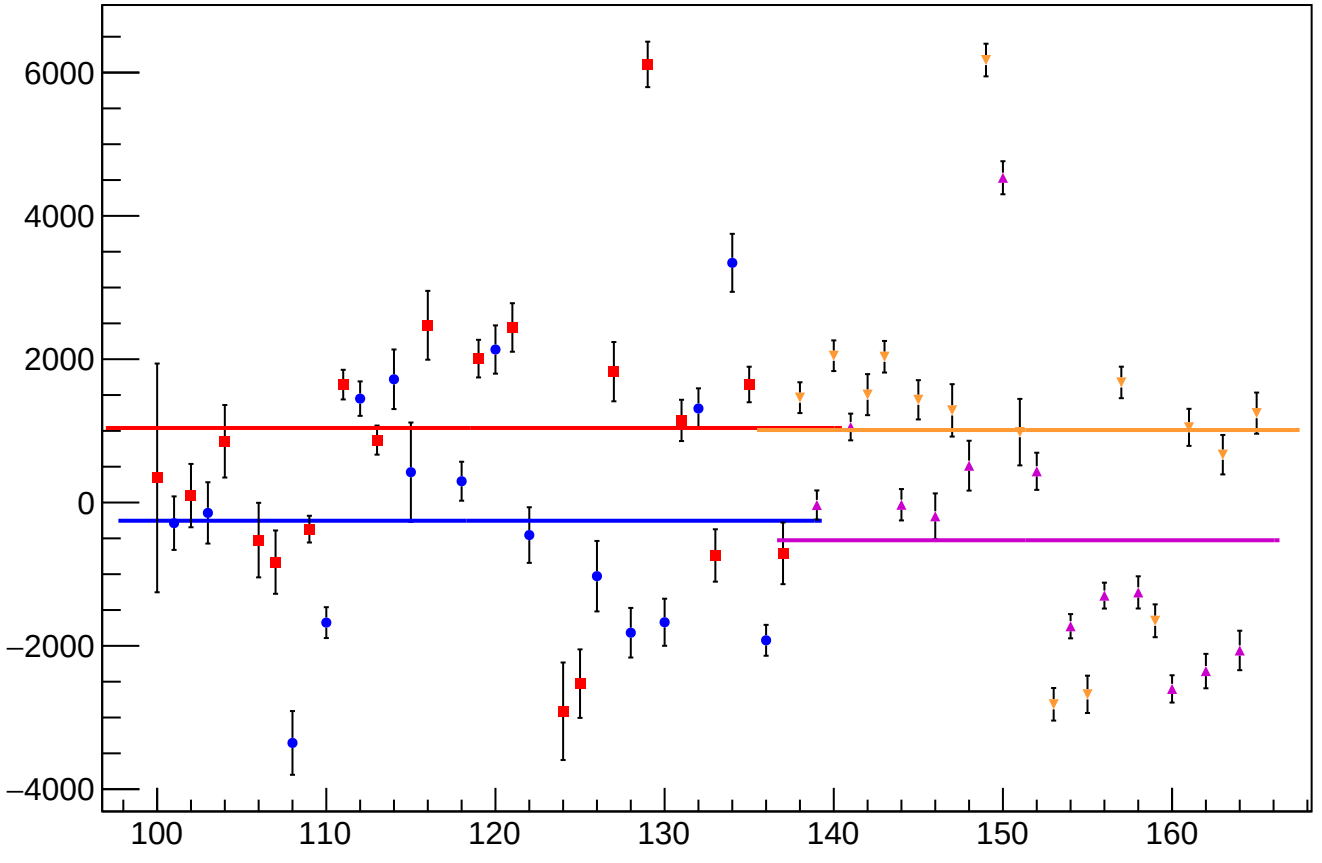
Left In: 198.203+/-0.044 χ^2/NDF:788429.8/12

+ sign 217.253+/-0.037 χ^2/NDF: 1710102.2/30

All: 206.376+/-0.025 χ^2/NDF: 3950509.5/62

- sign 196.938+/-0.034 χ^2/NDF: 2075353.5/31

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1011.633+/-65.225 χ^2/NDF:1198.8/14

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

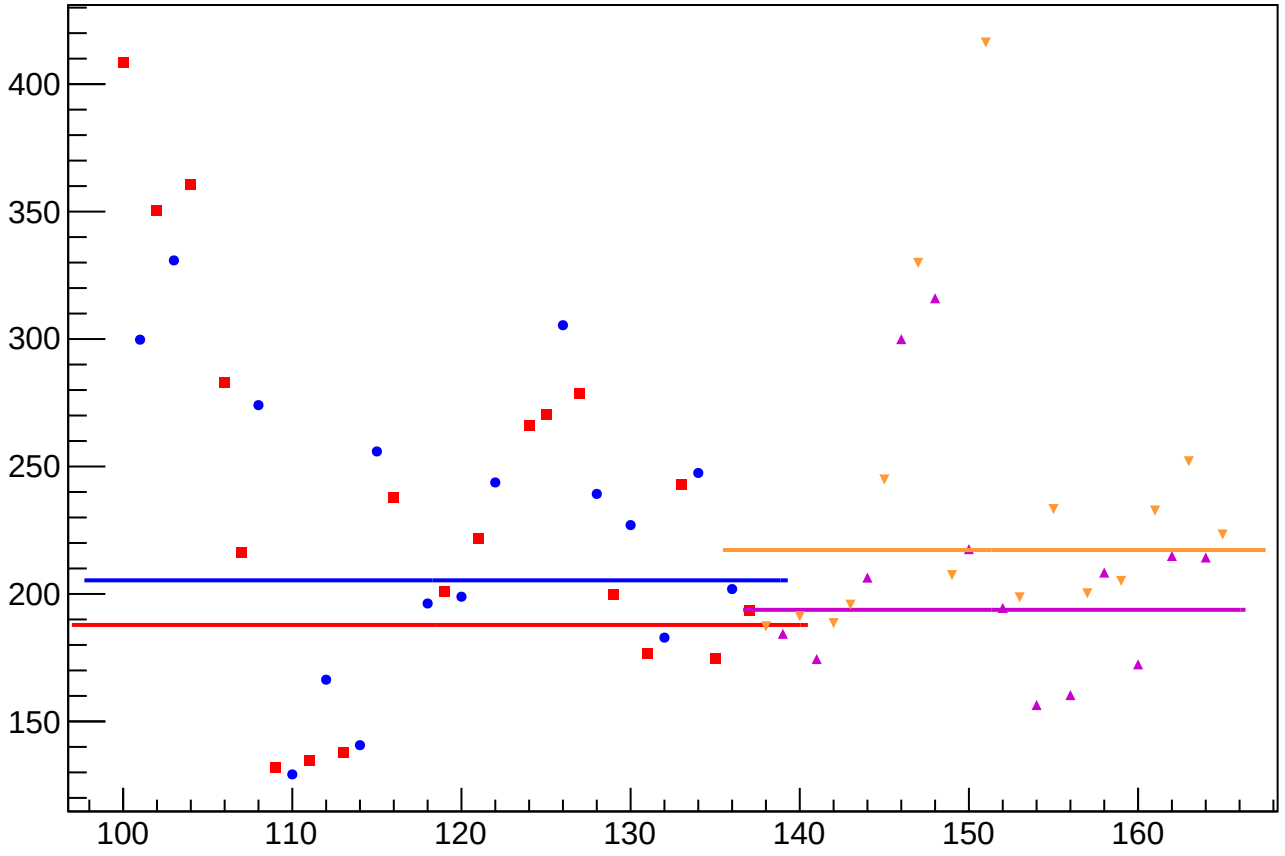
Left In: -526.494+/-60.957 χ^2/NDF:874.6/12

+ sign 507.928+/-50.608 χ^2/NDF: 1780.8/30

All: 295.638+/-34.394 χ^2/NDF: 3491.3/62

- sign 113.440+/-46.885 χ^2/NDF: 1677.8/31

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.229+/-0.046 χ^2/NDF:767972.1/14

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

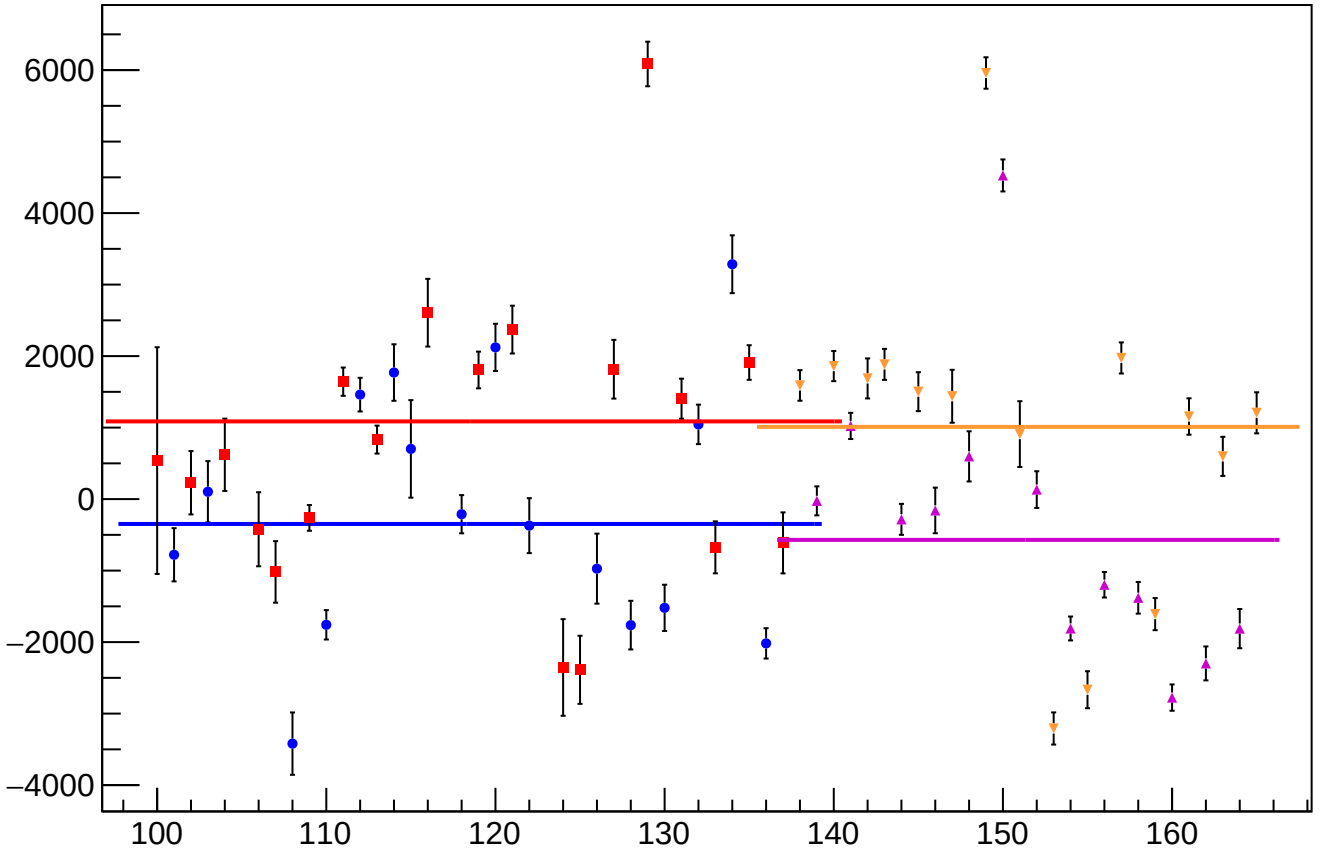
Left In: 193.777+/-0.043 χ^2/NDF:748476.6/12

+ sign 212.498+/-0.036 χ^2/NDF: 1671810.8/30

All: 201.120+/-0.024 χ^2/NDF: 3952905.5/62

- sign 191.356+/-0.033 χ^2/NDF: 2093252.9/31

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1009.982+/-64.393 χ^2/NDF:1268.8/14

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

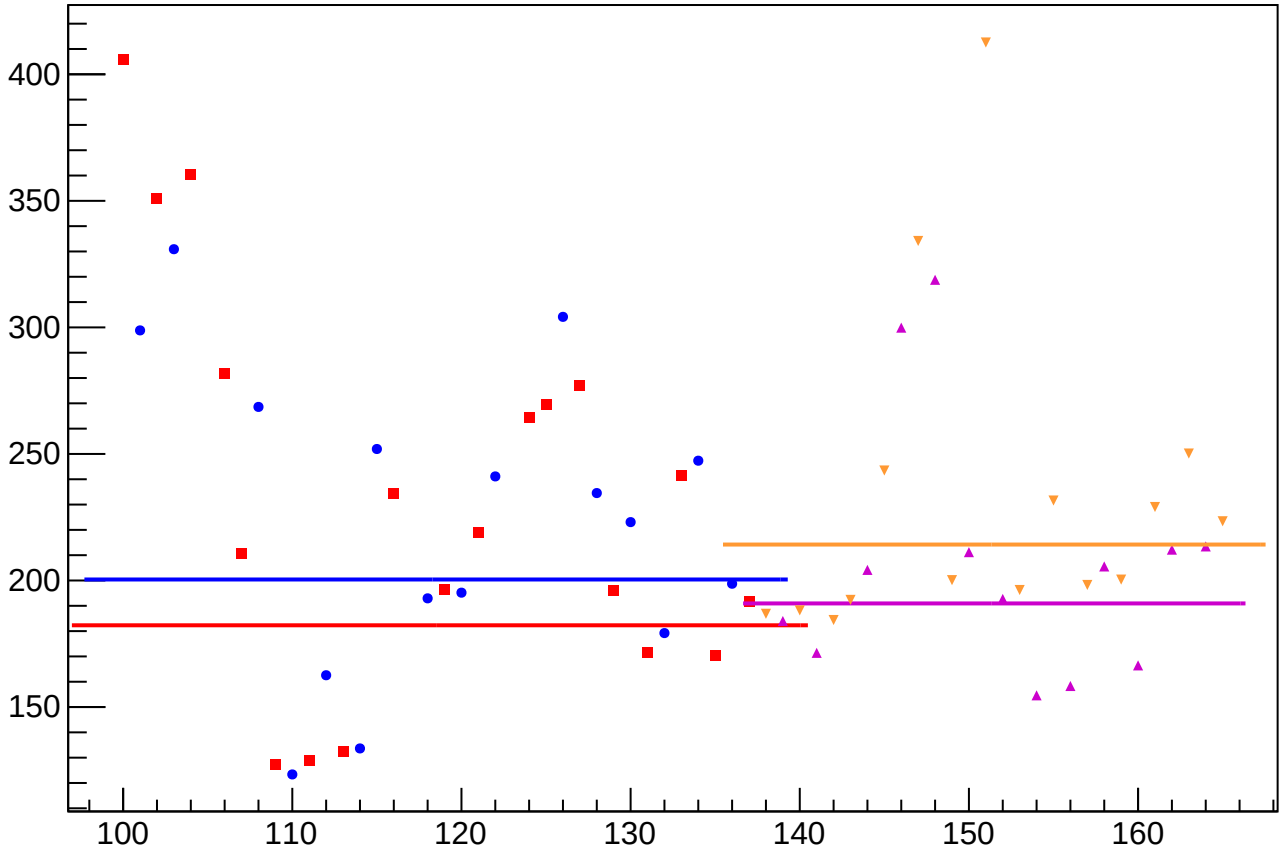
Left In: -570.438+/-60.125 χ^2/NDF:921.4/12

+ sign 464.459+/-49.803 χ^2/NDF: 1893.2/30

All: 276.264+/-33.802 χ^2/NDF: 3682.7/62

- sign 115.518+/-46.028 χ^2/NDF: 1763.0/31

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.204+/-0.046 χ^2/NDF:802489.1/14

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

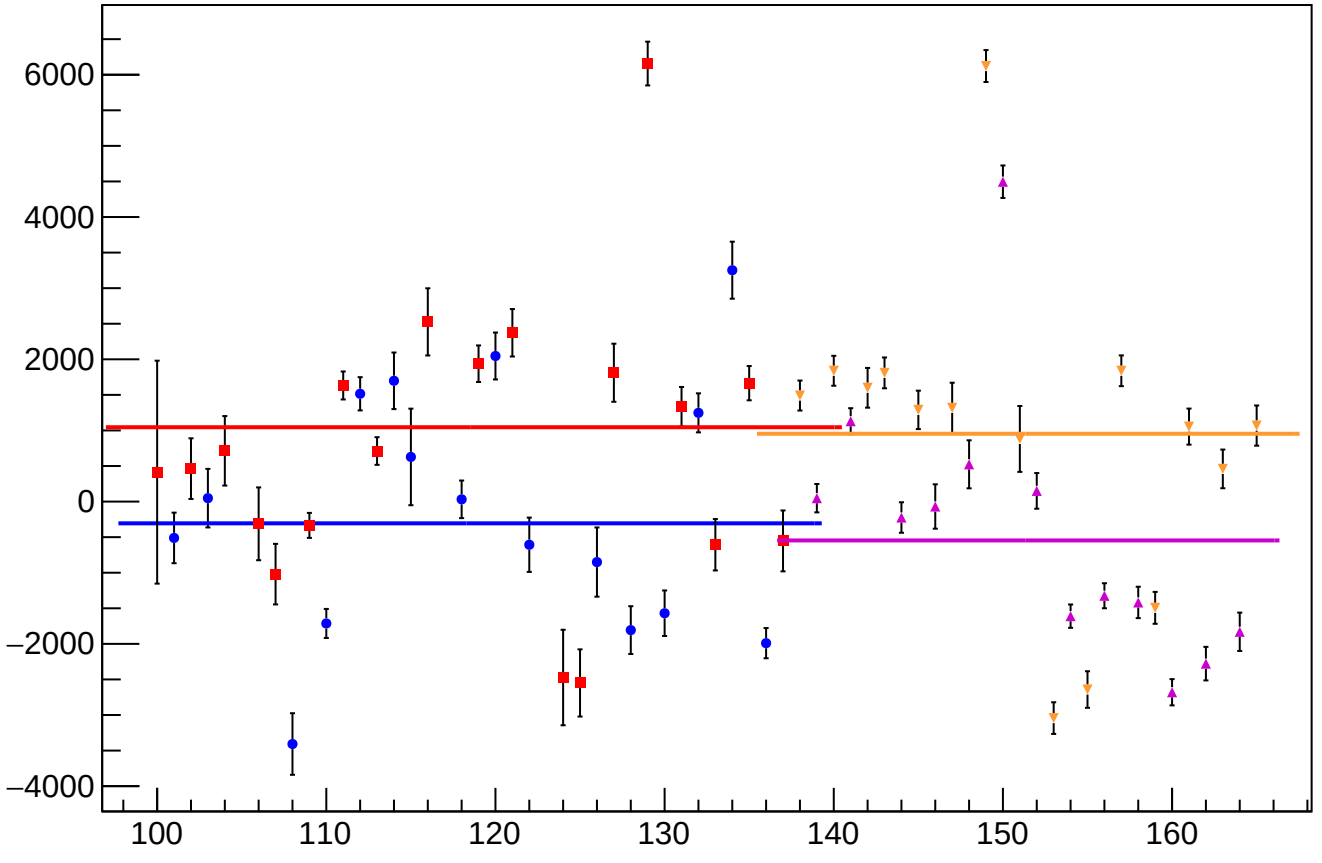
Left In: 190.940+/-0.043 χ^2/NDF:782681.3/12

+ sign 208.657+/-0.035 χ^2/NDF: 1798429.5/30

All: 197.173+/-0.024 χ^2/NDF: 4242576.4/62

- sign 187.364+/-0.033 χ^2/NDF: 2246966.6/31

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 953.467+/-64.053 χ^2/NDF:1236.5/14

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

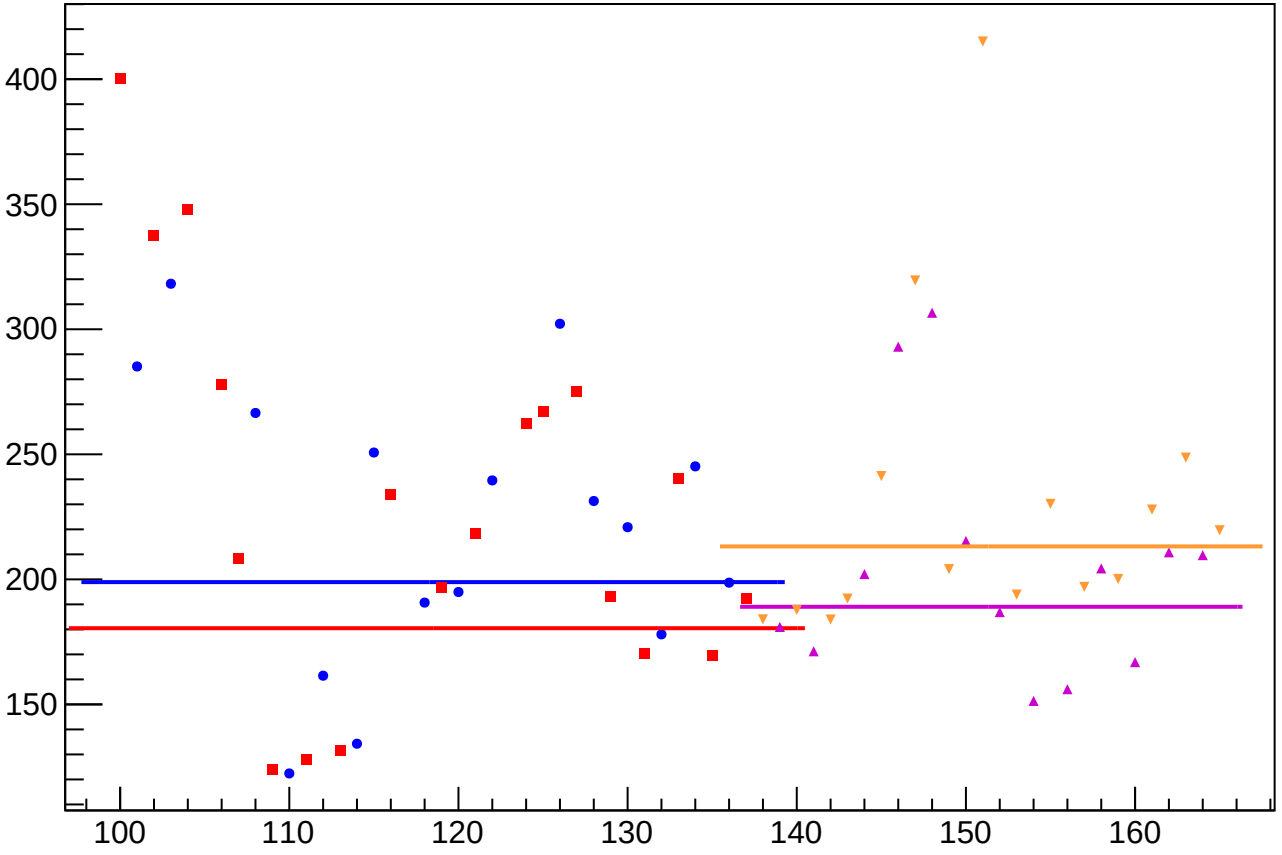
Left In: -546.106+/-59.546 χ^2/NDF:891.0/12

+ sign 445.323+/-49.468 χ^2/NDF: 1844.3/30

All: 265.522+/-33.519 χ^2/NDF: 3607.6/62

- sign 112.890+/-45.577 χ^2/NDF: 1738.9/31

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 213.177+/-0.045 χ^2/NDF:777240.7/14

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

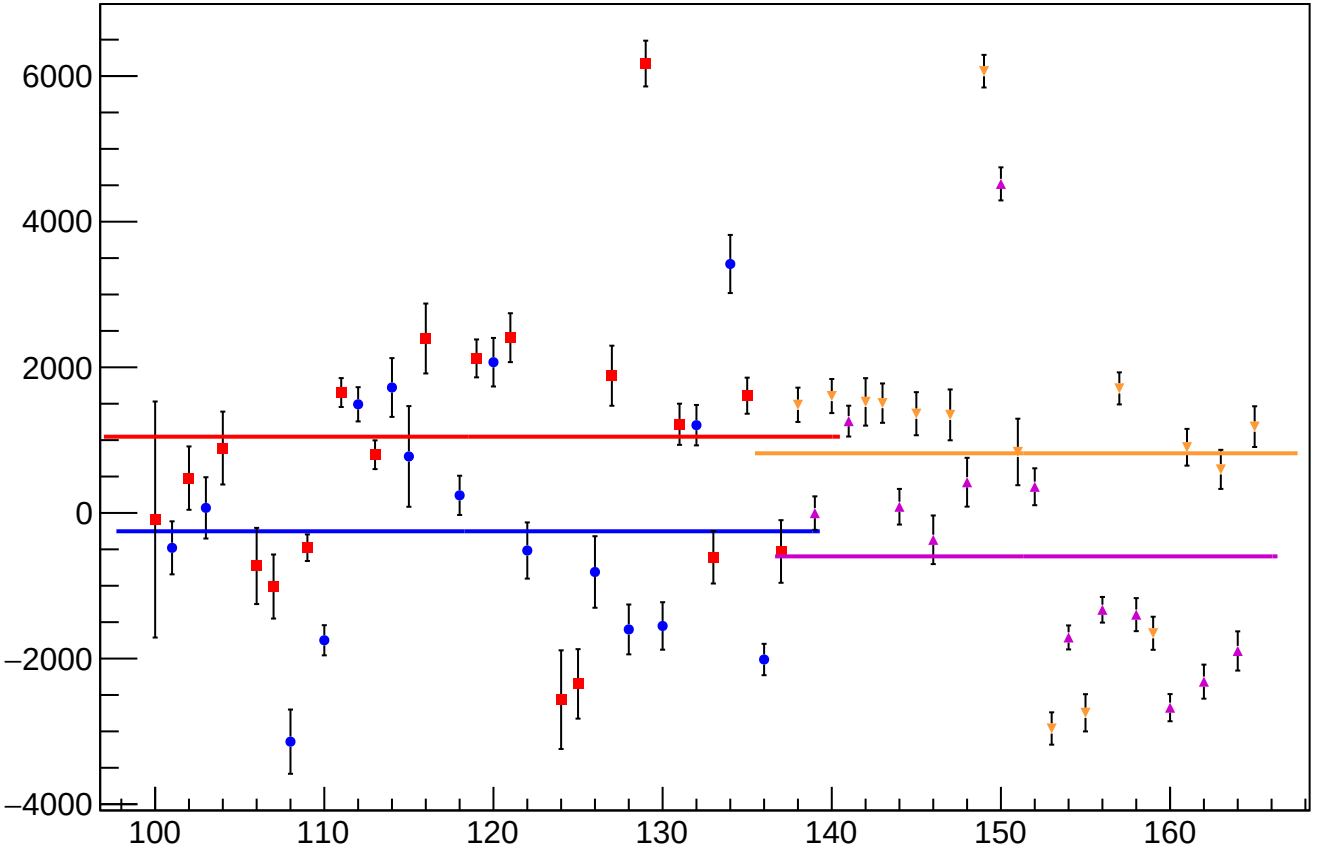
Left In: 189.043+/-0.042 χ^2/NDF:763989.9/12

+ sign 207.416+/-0.035 χ^2/NDF: 1730090.8/30

All: 195.559+/-0.024 χ^2/NDF: 4158120.9/62

- sign 185.494+/-0.032 χ^2/NDF: 2215584.8/31

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 819.280+/-67.156 χ^2/NDF:1207.0/14

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

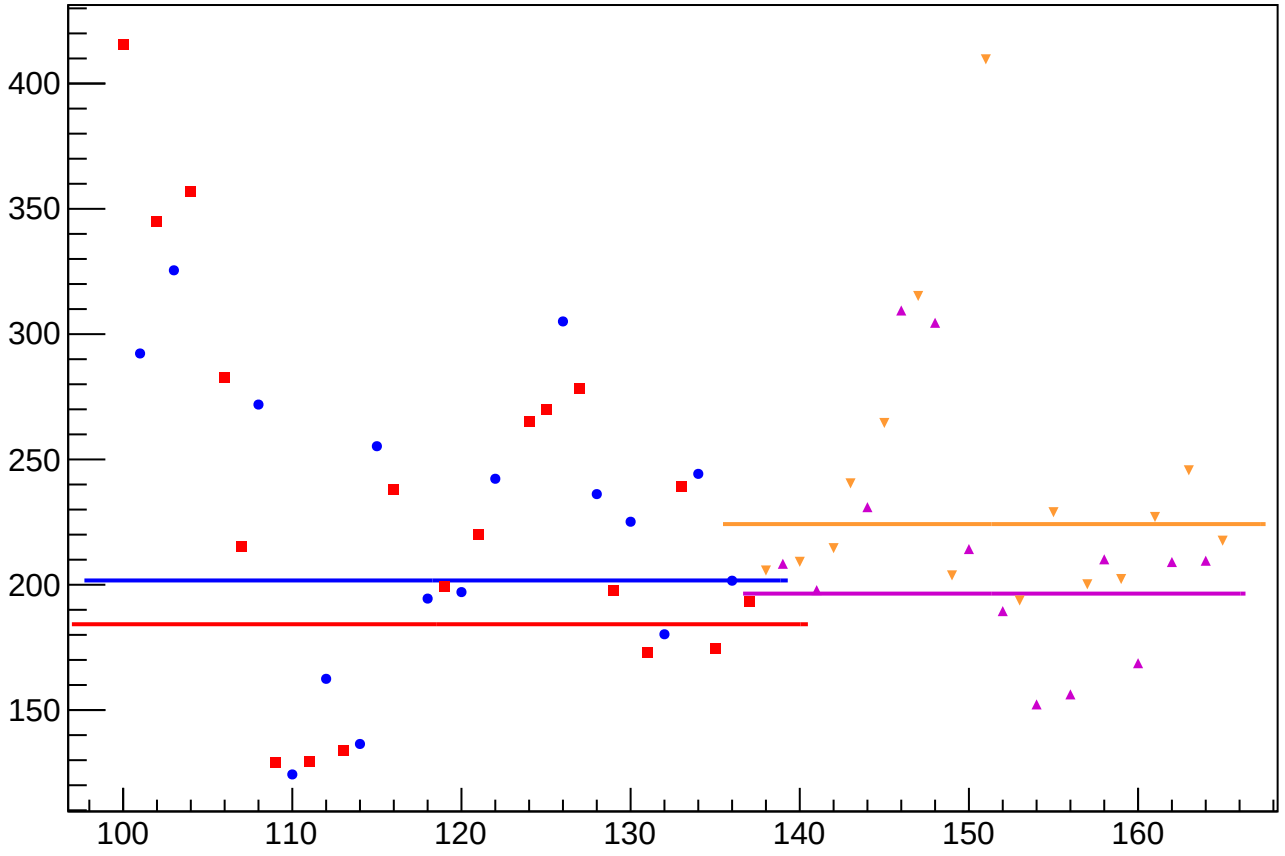
Left In: -596.477+/-62.013 χ^2/NDF:899.9/12

+ sign 369.799+/-51.160 χ^2/NDF: 1754.9/30

All: 224.357+/-34.627 χ^2/NDF: 3514.8/62

- sign 101.397+/-47.040 χ^2/NDF: 1744.9/31

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.207+/-0.047 χ^2/NDF:644100.0/14

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

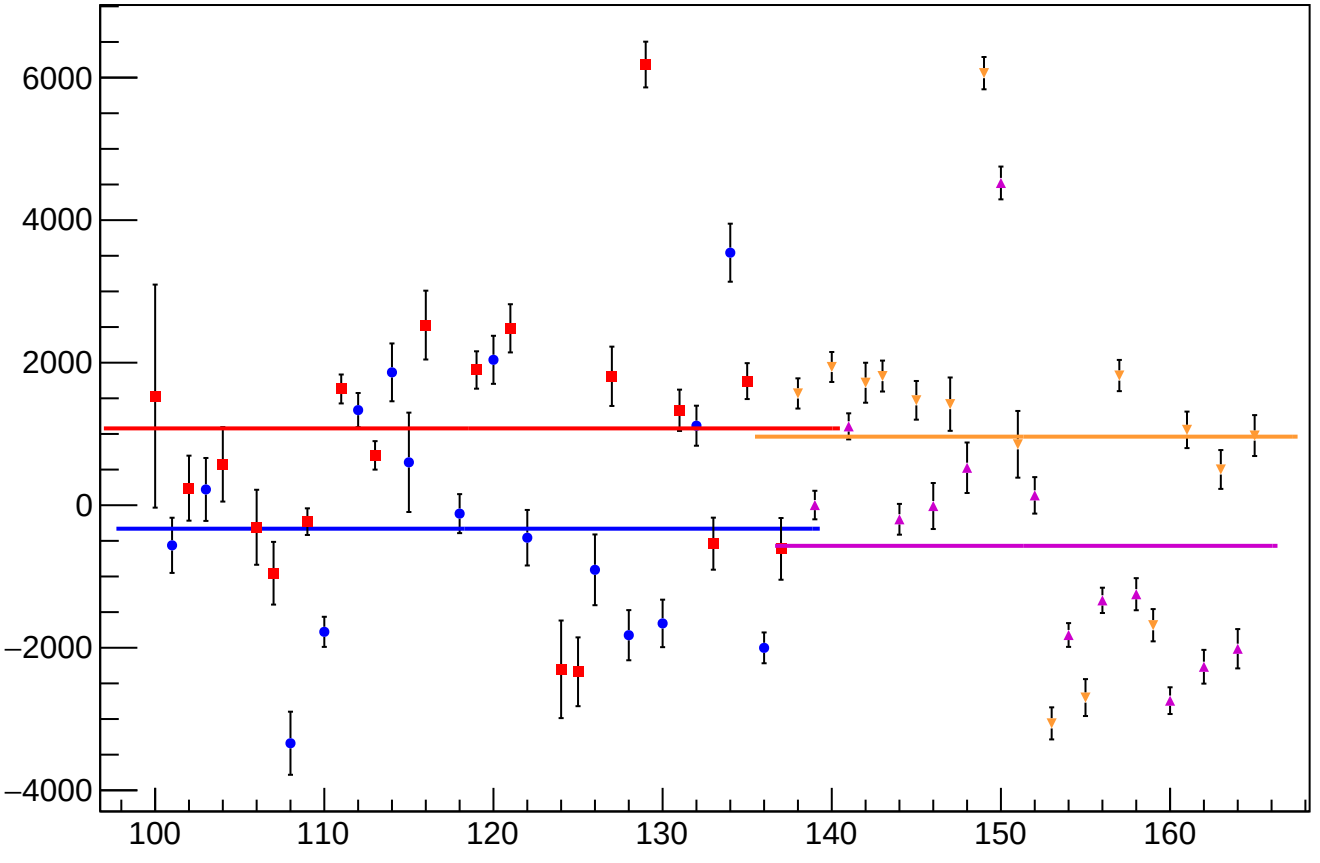
Left In: 196.466+/-0.044 χ^2/NDF:805991.5/12

+ sign 214.767+/-0.036 χ^2/NDF: 1662465.5/30

All: 202.038+/-0.024 χ^2/NDF: 4133695.7/62

- sign 191.277+/-0.033 χ^2/NDF: 2242741.9/31

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 962.132+/-64.626 χ^2/NDF:1238.2/14

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

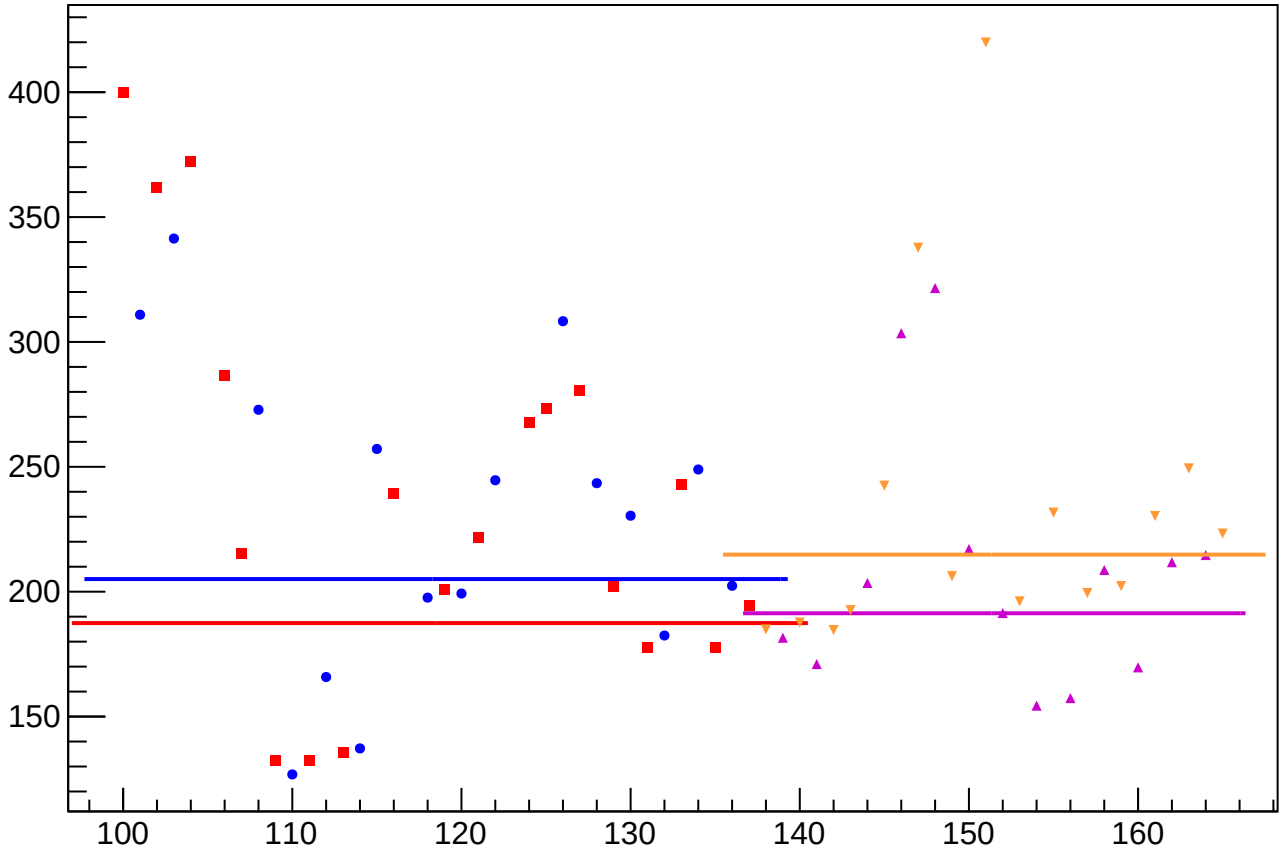
Left In: -569.865+/-60.326 χ^2/NDF:902.0/12

+ sign 454.955+/-50.363 χ^2/NDF: 1831.5/30

All: 260.729+/-34.207 χ^2/NDF: 3563.9/62

- sign 94.394+/-46.606 χ^2/NDF: 1704.8/31

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 214.843+/-0.046 χ^2/NDF:819912.0/14

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

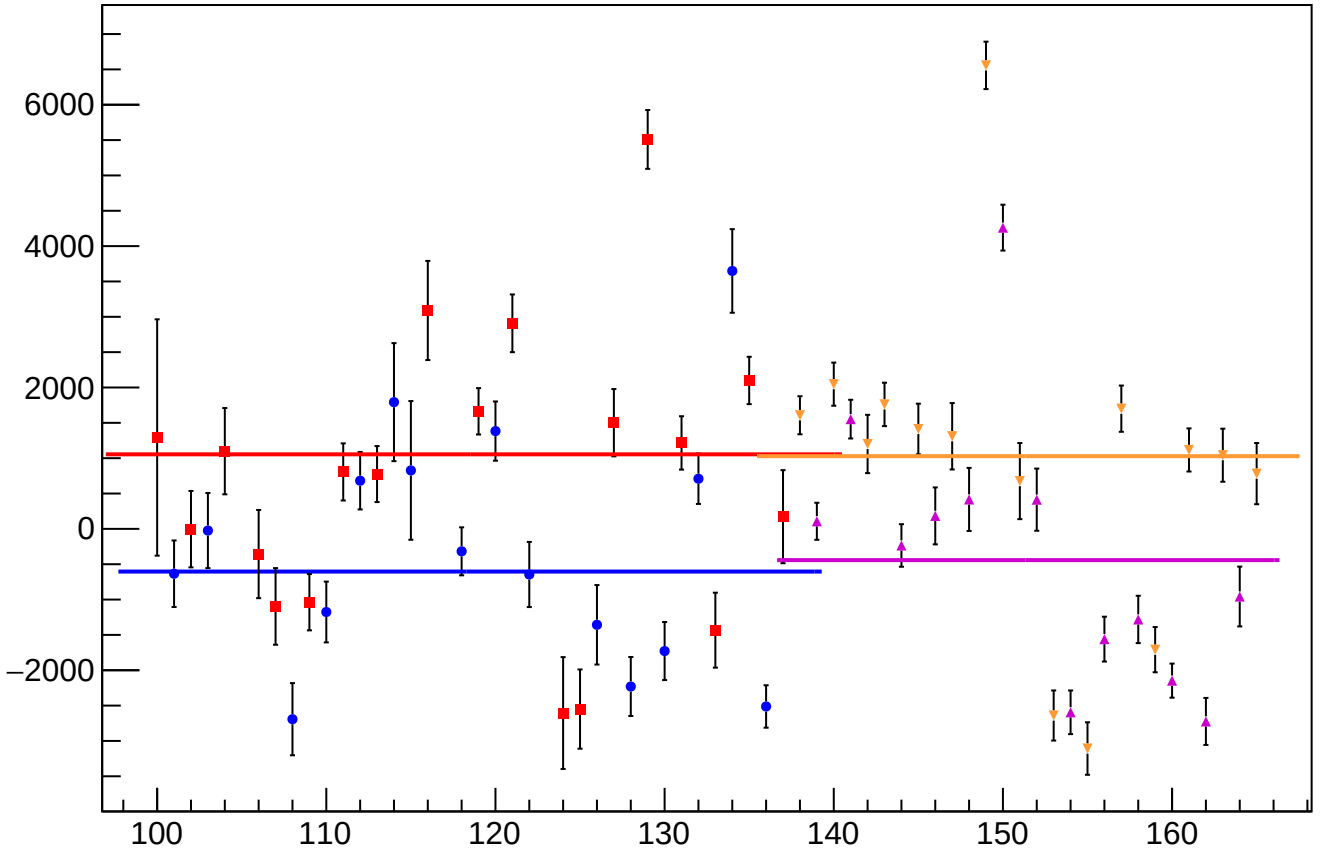
Left In: 191.368+/-0.043 χ^2/NDF:811421.5/12

+ sign 210.999+/-0.036 χ^2/NDF: 1800989.6/30

All: 199.569+/-0.024 χ^2/NDF: 4217865.2/62

- sign 189.781+/-0.033 χ^2/NDF: 2225658.0/31

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1028.303+/-90.093 χ^2/NDF:604.2/14

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

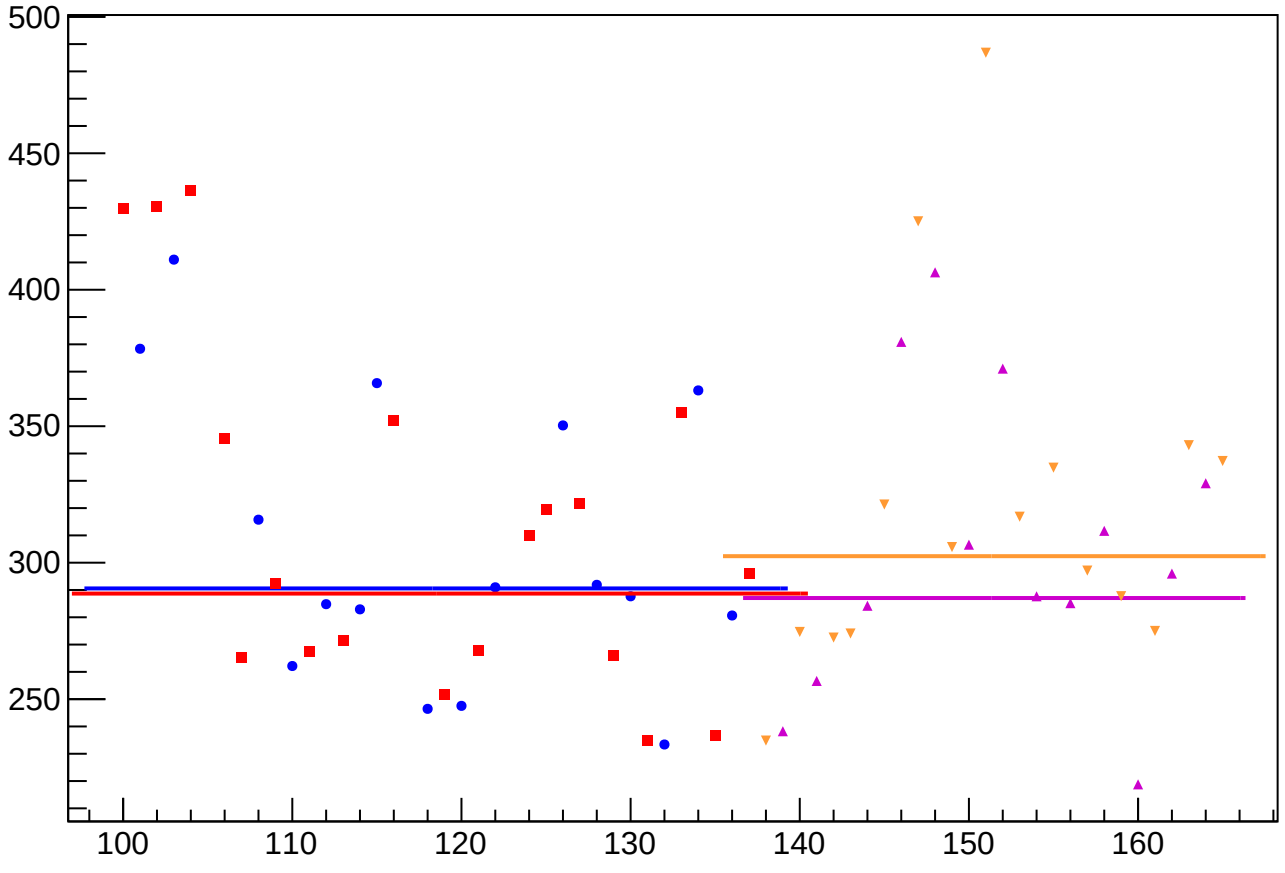
Left In: -441.972+/-89.087 χ^2/NDF:443.9/12

+ sign 377.930+/-69.875 χ^2/NDF: 928.6/30

All: 268.399+/-49.021 χ^2/NDF: 1788.9/62

- sign 162.237+/-68.791 χ^2/NDF: 855.5/31

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 302.386+/-0.064 χ^2/NDF:622704.5/14

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

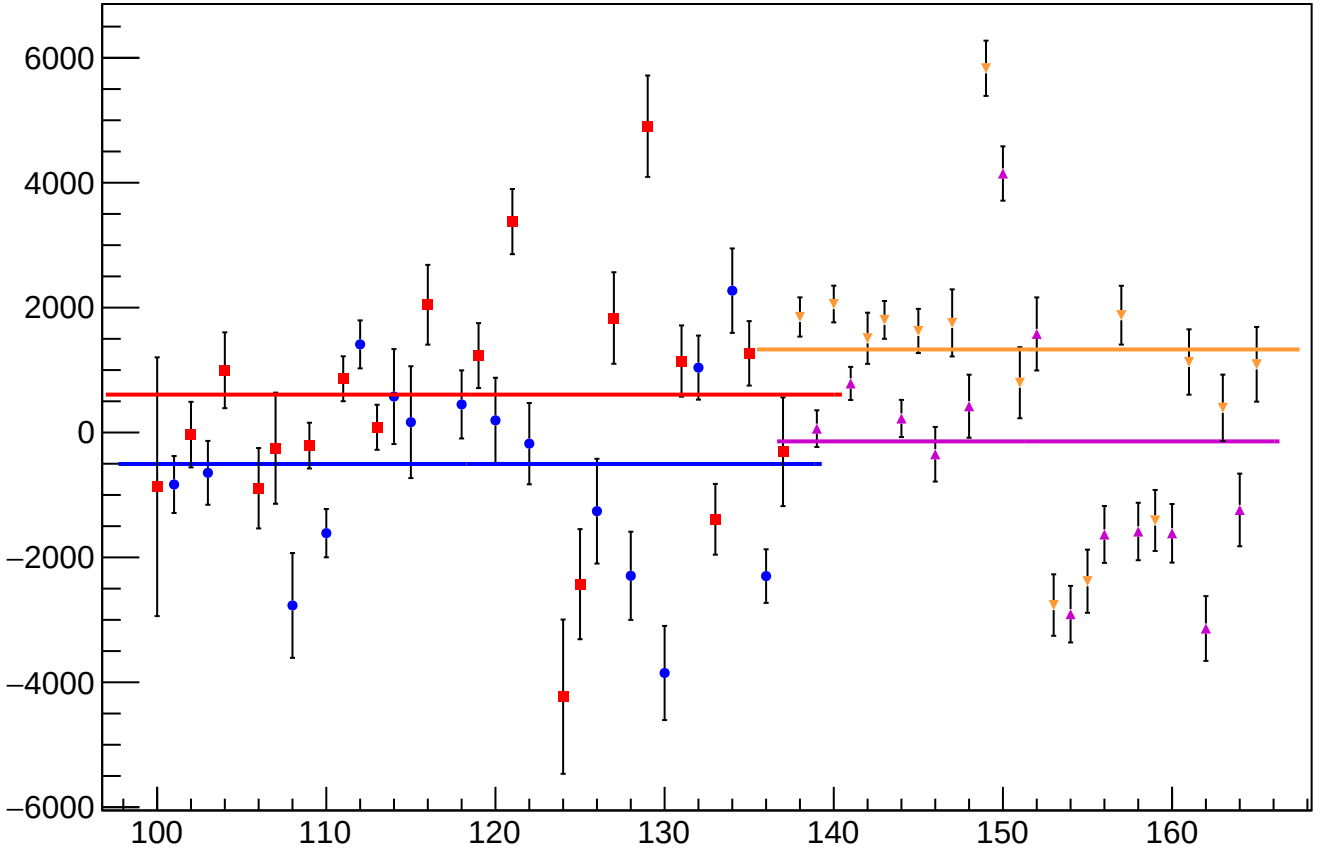
Left In: 287.055+/-0.063 χ^2/NDF:618884.5/12

+ sign 297.676+/-0.049 χ^2/NDF: 996229.8/30

All: 292.617+/-0.035 χ^2/NDF: 2125127.2/62

- sign 287.713+/-0.049 χ^2/NDF: 1108249.9/31

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1329.948+/-108.500 χ^2/NDF:276.5/14

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

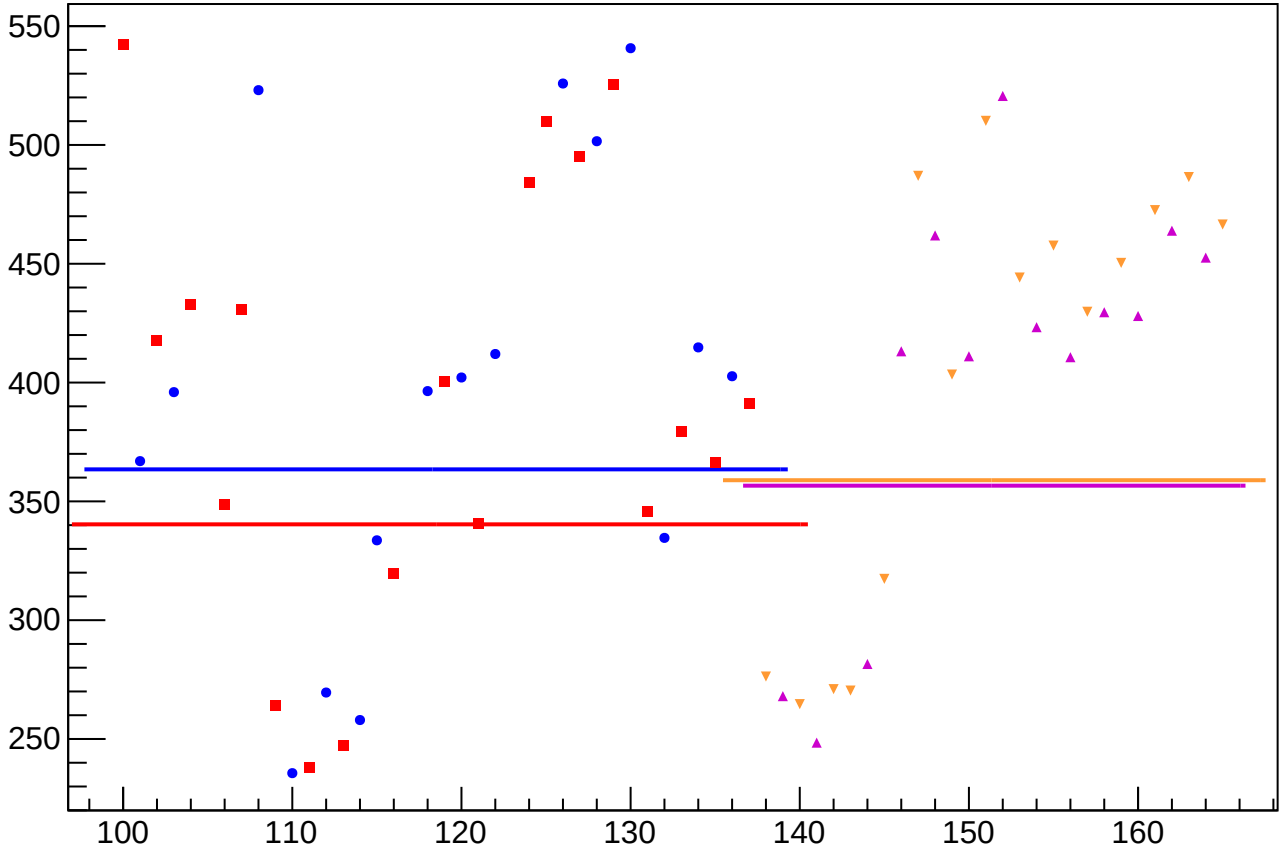
Left In: -142.059+/-111.754 χ^2/NDF:226.3/12

\+ sign 642.248+/-85.773 χ^2/NDF: 501.9/30

All: 406.677+/-60.245 χ^2/NDF: 887.3/62

\- sign 177.310+/-84.636 χ^2/NDF: 370.6/31

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 358.903+/-0.077 χ^2/NDF:1435899.6/14

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

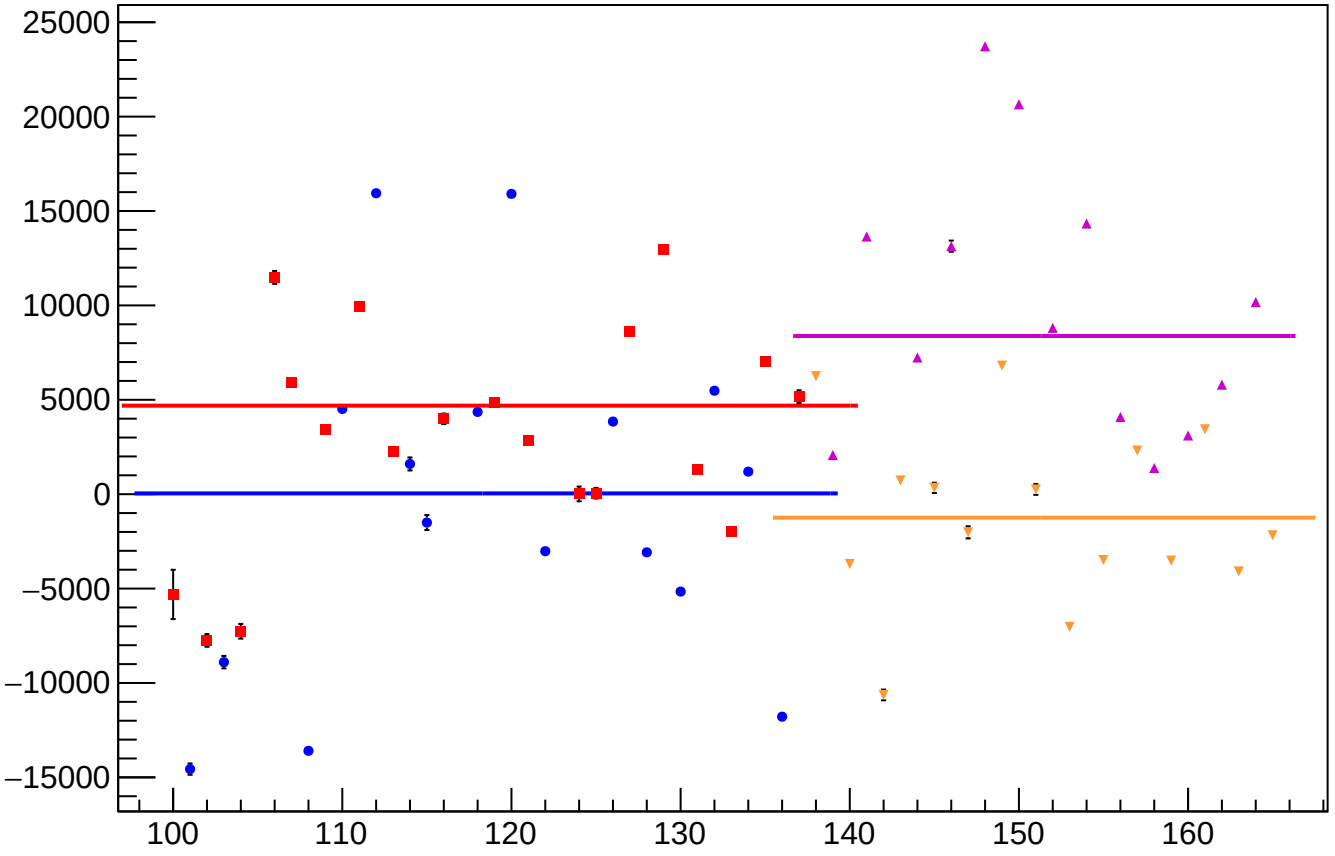
Left In: 356.609+/-0.079 χ^2/NDF:1258876.4/12

+ sign 360.616+/-0.061 χ^2/NDF: 2218122.2/30

All: 355.069+/-0.043 χ^2/NDF: 4367831.1/62

- sign 349.668+/-0.060 χ^2/NDF: 2133198.0/31

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1244.360+/-50.455 χ^2/NDF:7689.2/14

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

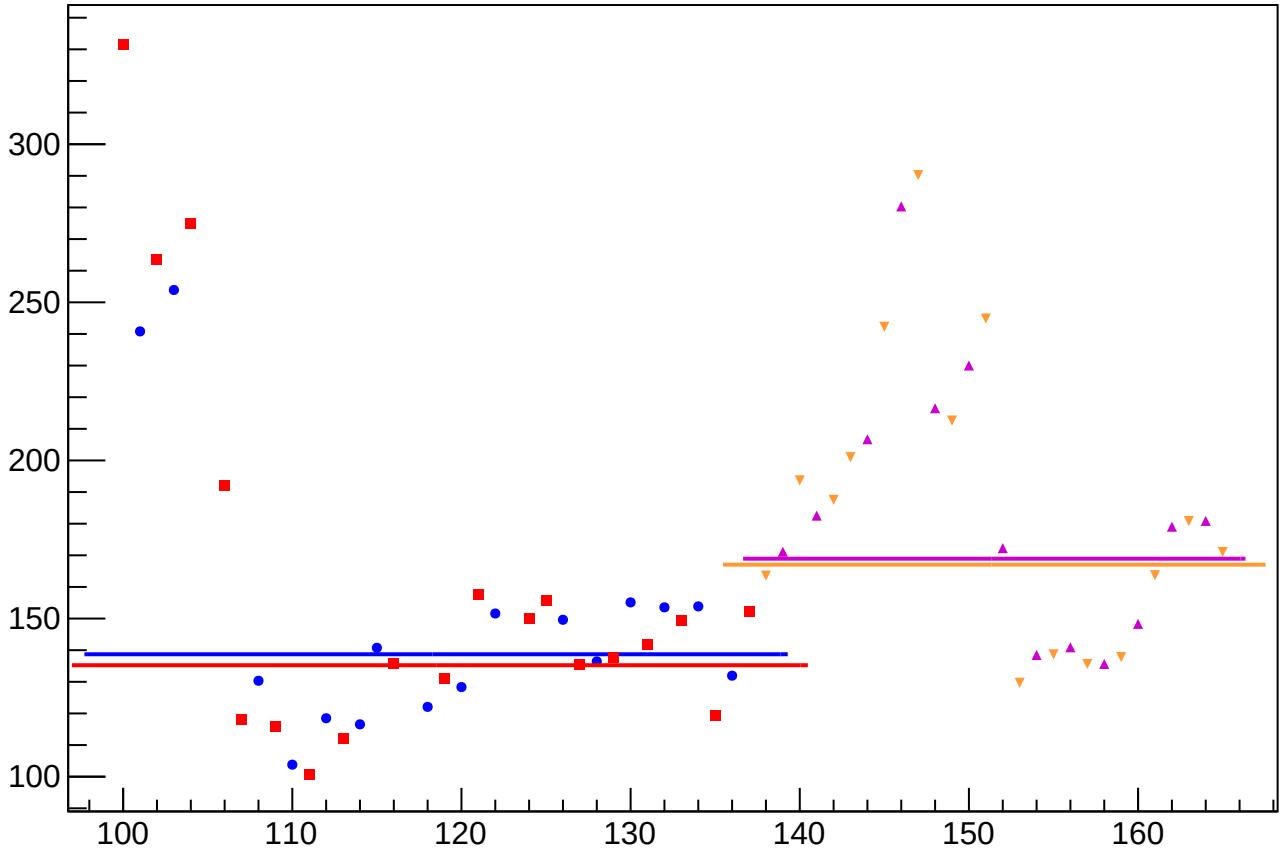
Left In: 8378.659+/-53.222 χ^2/NDF:14443.2/12

+ sign -647.637+/-36.930 χ^2/NDF: 38776.8/30

All: 2894.720+/-26.218 χ^2/NDF: 82020.7/62

- sign 6494.699+/-37.229 χ^2/NDF: 24692.4/31

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 167.045+/-0.036 χ^2/NDF:1137674.7/14

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

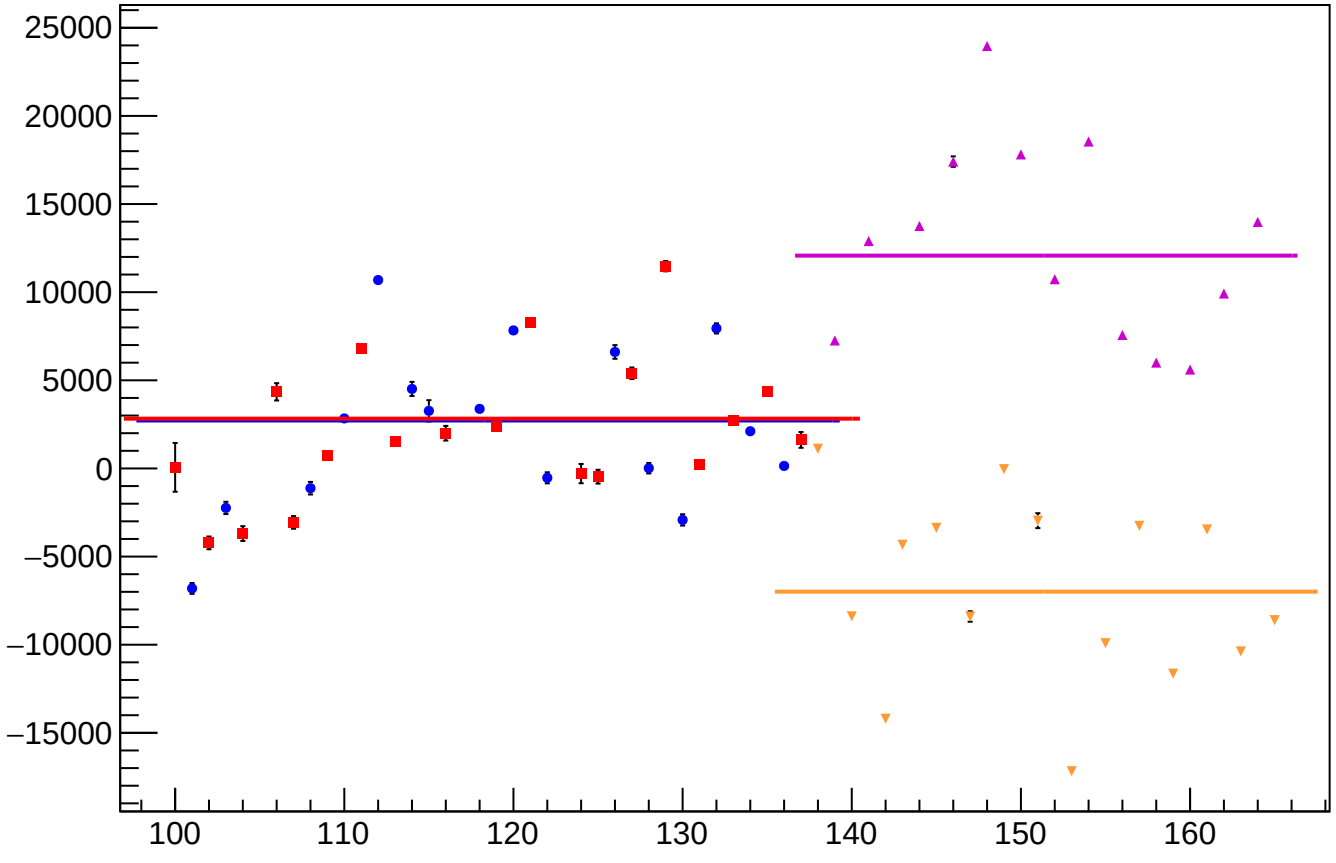
Left In: 168.933+/-0.038 χ^2/NDF:845762.8/12

+ sign 153.891+/-0.026 χ^2/NDF: 2088277.4/30

All: 152.818+/-0.019 χ^2/NDF: 4236684.1/62

- sign 151.728+/-0.026 χ^2/NDF: 2145006.2/31

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6990.230+/-59.569 χ^2/NDF:7910.6/14

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

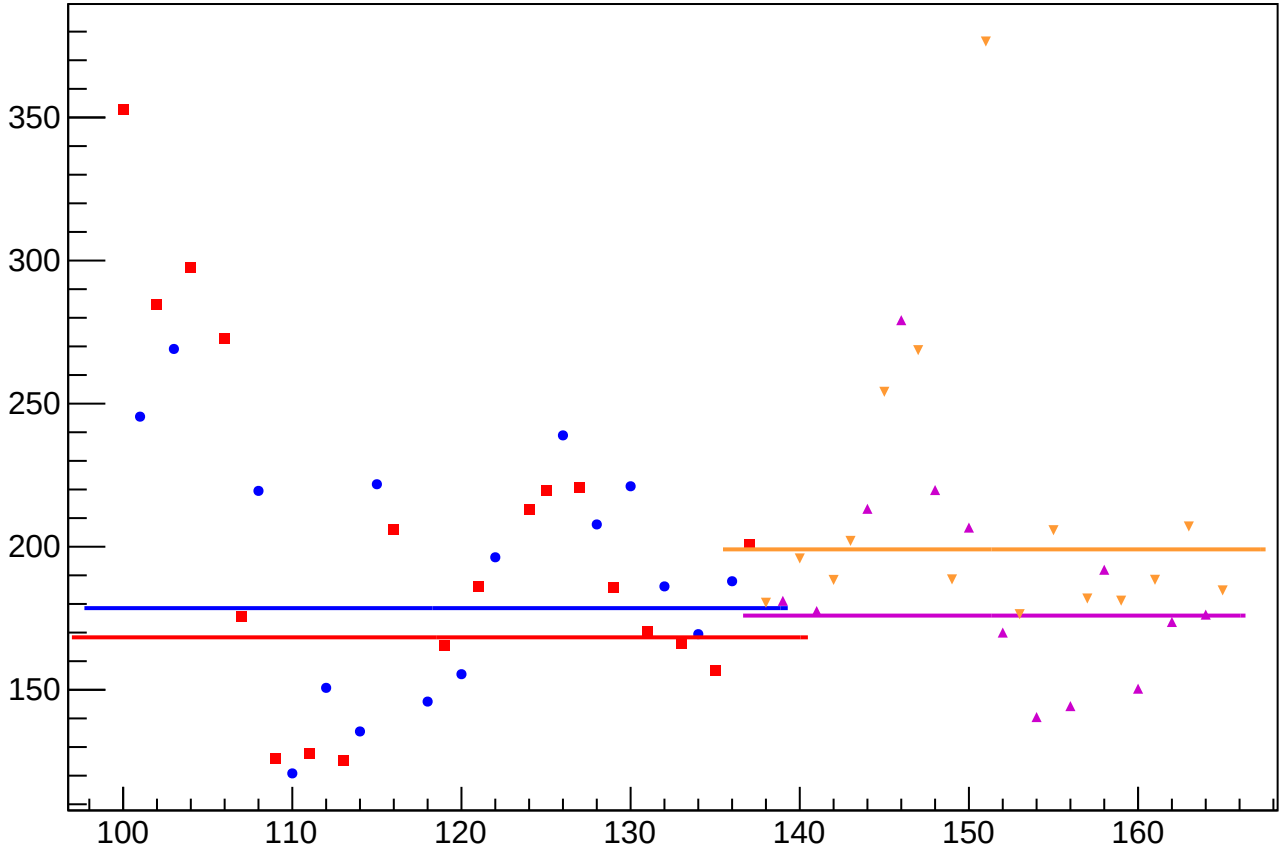
Left In: 12073.705+/-55.284 χ^2/NDF:9199.7/12

+ sign -2860.613+/-45.159 χ^2/NDF: 23340.4/30

All: 3050.307+/-30.783 χ^2/NDF: 79388.1/62

- sign 8180.610+/-42.071 χ^2/NDF: 24045.0/31

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.072+/-0.042 χ^2/NDF:633068.0/14

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

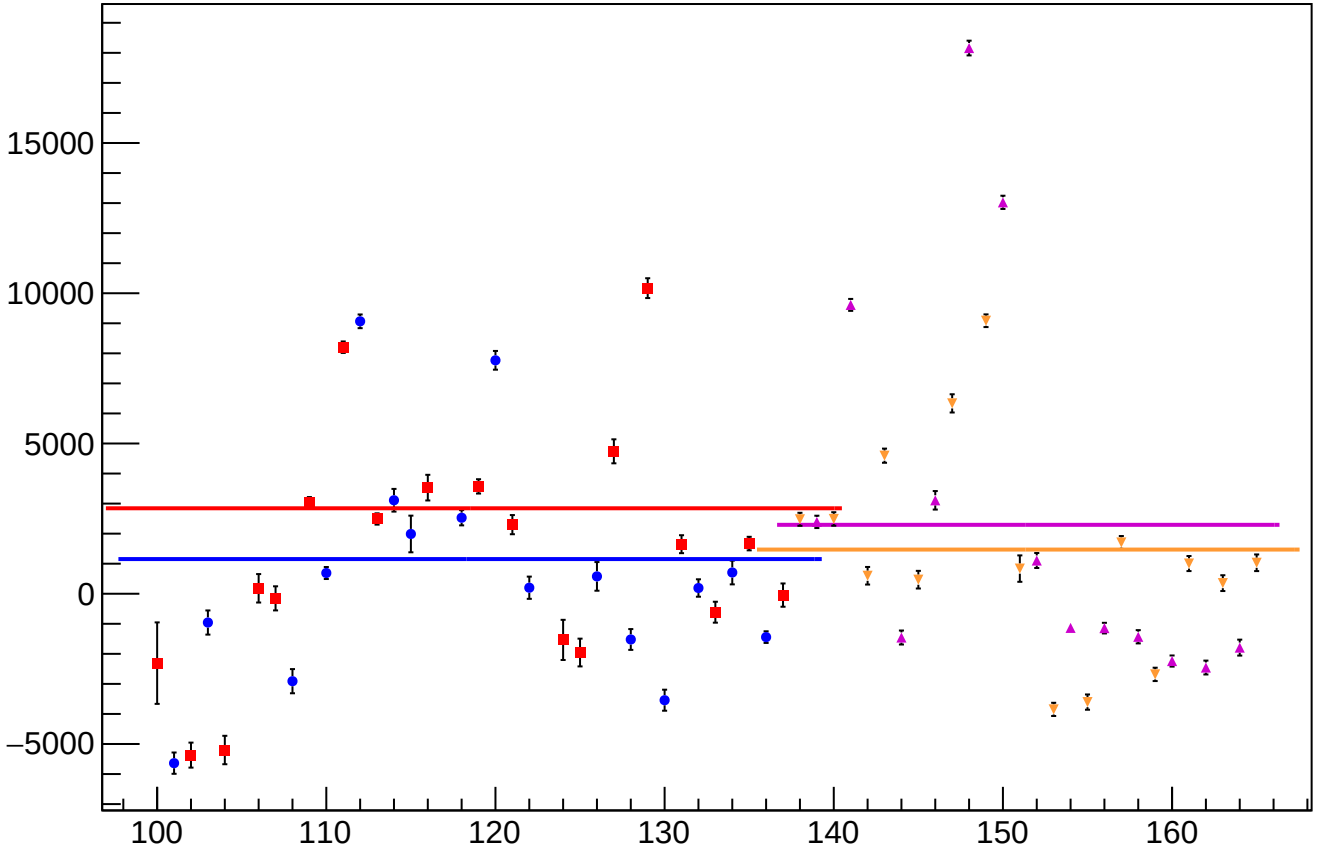
Left In: 175.934+/-0.039 χ^2/NDF:647712.3/12

+ sign 190.341+/-0.032 χ^2/NDF: 1408678.3/30

All: 180.916+/-0.022 χ^2/NDF: 3214504.1/62

- sign 172.736+/-0.030 χ^2/NDF: 1643103.8/31

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1470.143+/-64.219 χ^2/NDF:3159.3/14

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

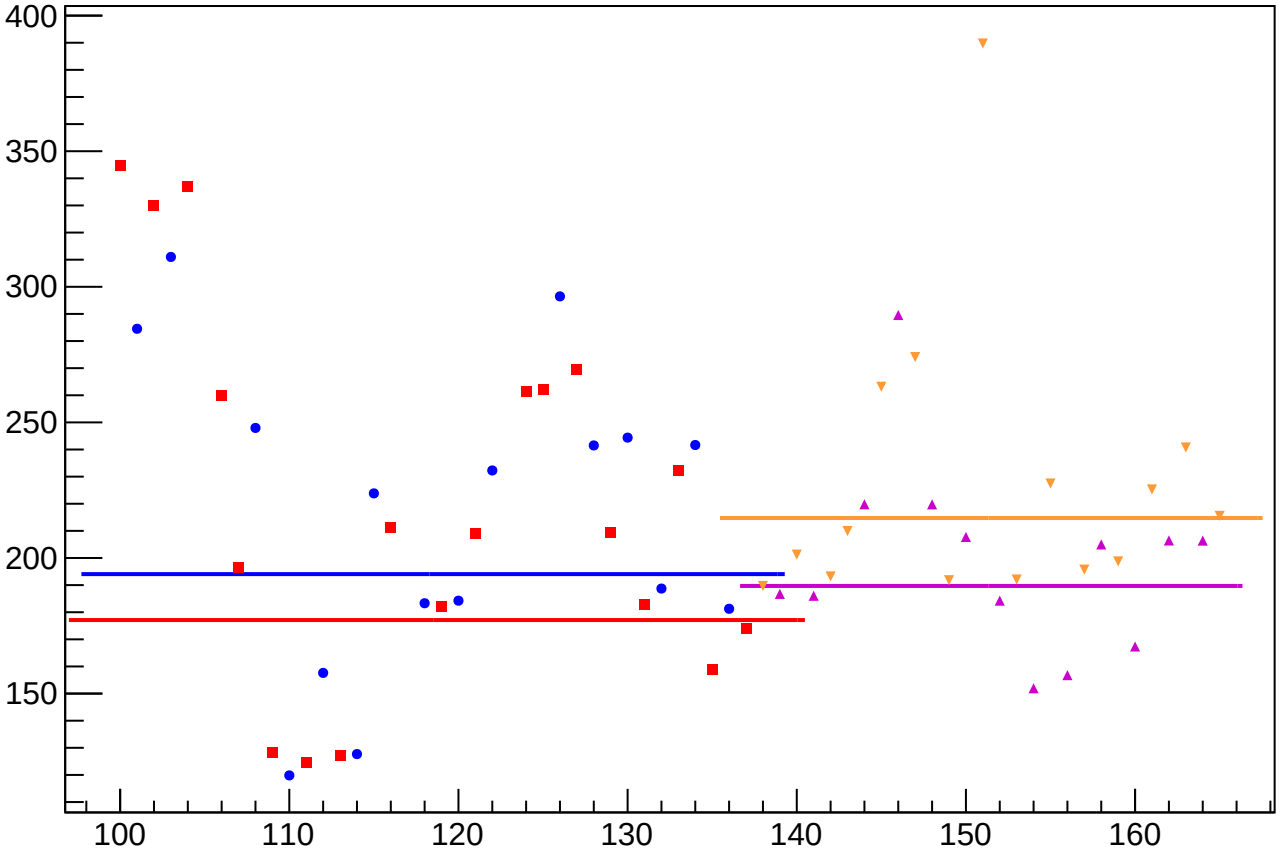
Left In: 2293.328+/-59.458 χ^2/NDF:10555.0/12

+ sign 1338.285+/-49.041 χ^2/NDF: 5824.7/30

All: 1982.783+/-33.189 χ^2/NDF: 19188.0/62

- sign 2527.396+/-45.081 χ^2/NDF: 13044.6/31

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.740+/-0.045 χ^2/NDF:592616.1/14

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

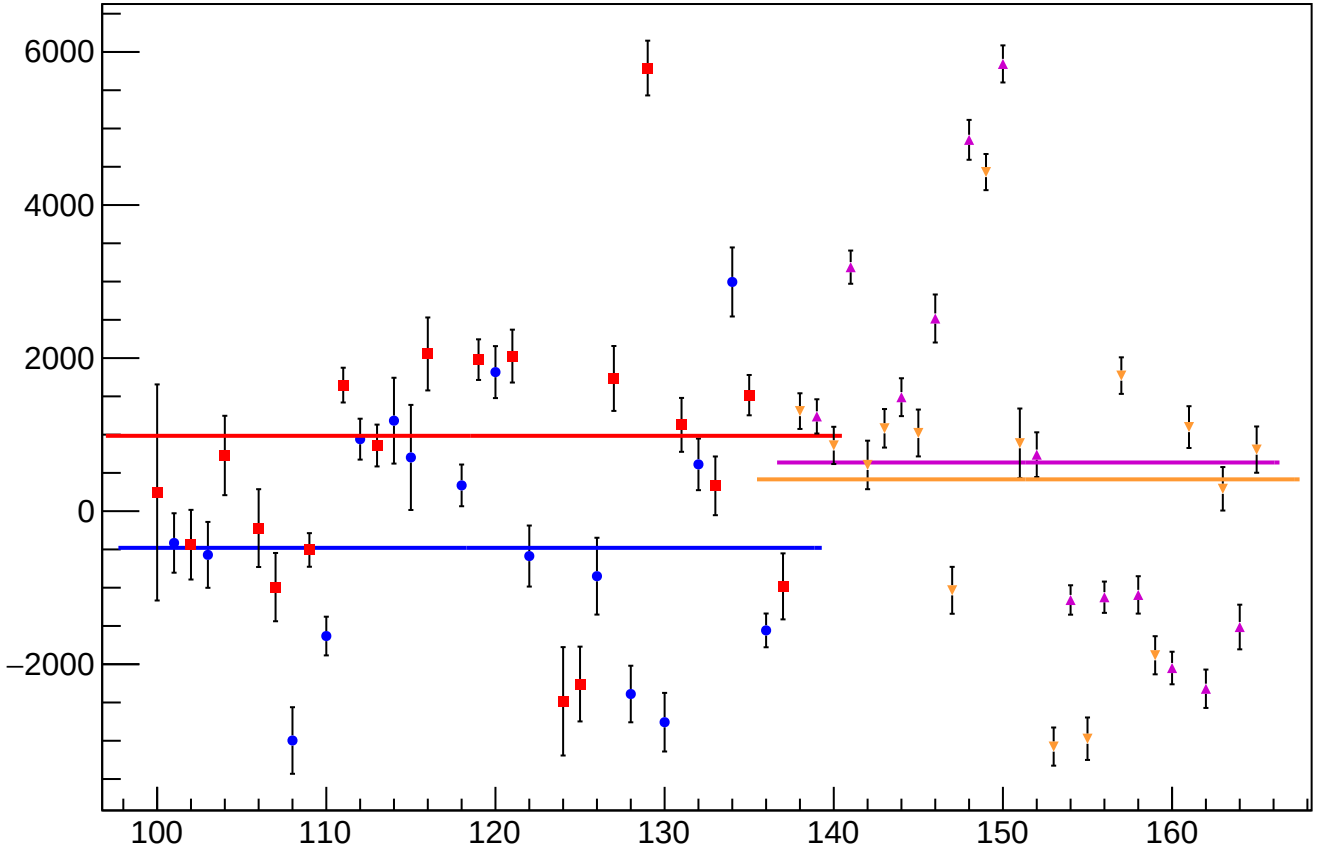
Left In: 189.687+/-0.042 χ^2/NDF:520939.8/12

+ sign 206.117+/-0.035 χ^2/NDF: 1644913.8/30

All: 194.315+/-0.023 χ^2/NDF: 3776917.6/62

- sign 184.342+/-0.032 χ^2/NDF: 1918300.5/31

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 415.651+/-69.912 χ^2/NDF:812.7/14

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

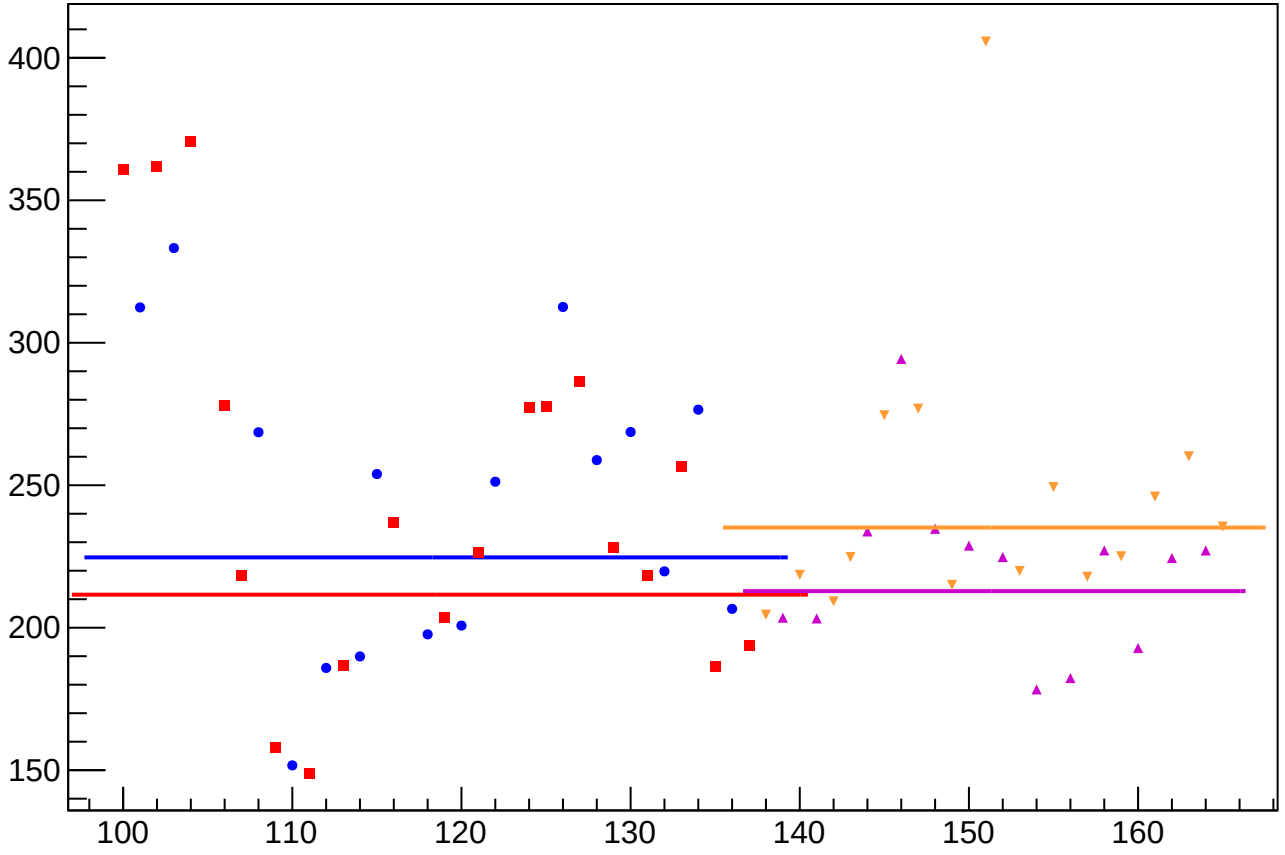
Left In: 635.935+/-66.118 χ^2/NDF:1481.9/12

+ sign 62.946+/-54.419 χ^2/NDF: 1182.7/30

All: 440.835+/-37.292 χ^2/NDF: 3164.8/62

- sign 775.426+/-51.206 χ^2/NDF: 1891.2/31

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.154+/-0.049 χ^2/NDF:472816.7/14

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

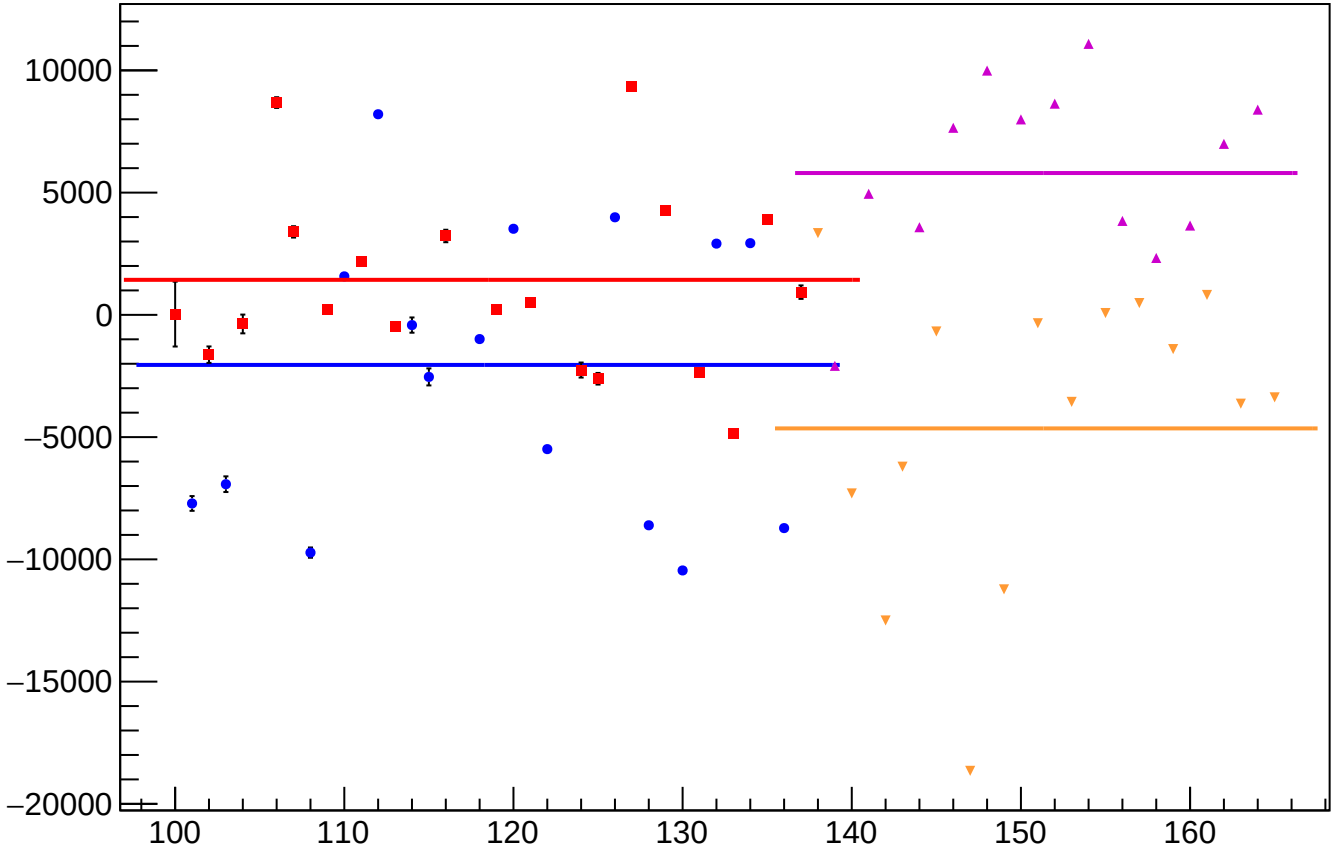
Left In: 212.846+/-0.047 χ^2/NDF:325184.7/12

+ sign 231.027+/-0.038 χ^2/NDF: 1143694.2/30

All: 221.119+/-0.026 χ^2/NDF: 2527086.3/62

- sign 212.345+/-0.036 χ^2/NDF: 1258373.8/31

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4643.867+/-35.414 χ^2/NDF:29736.6/14

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

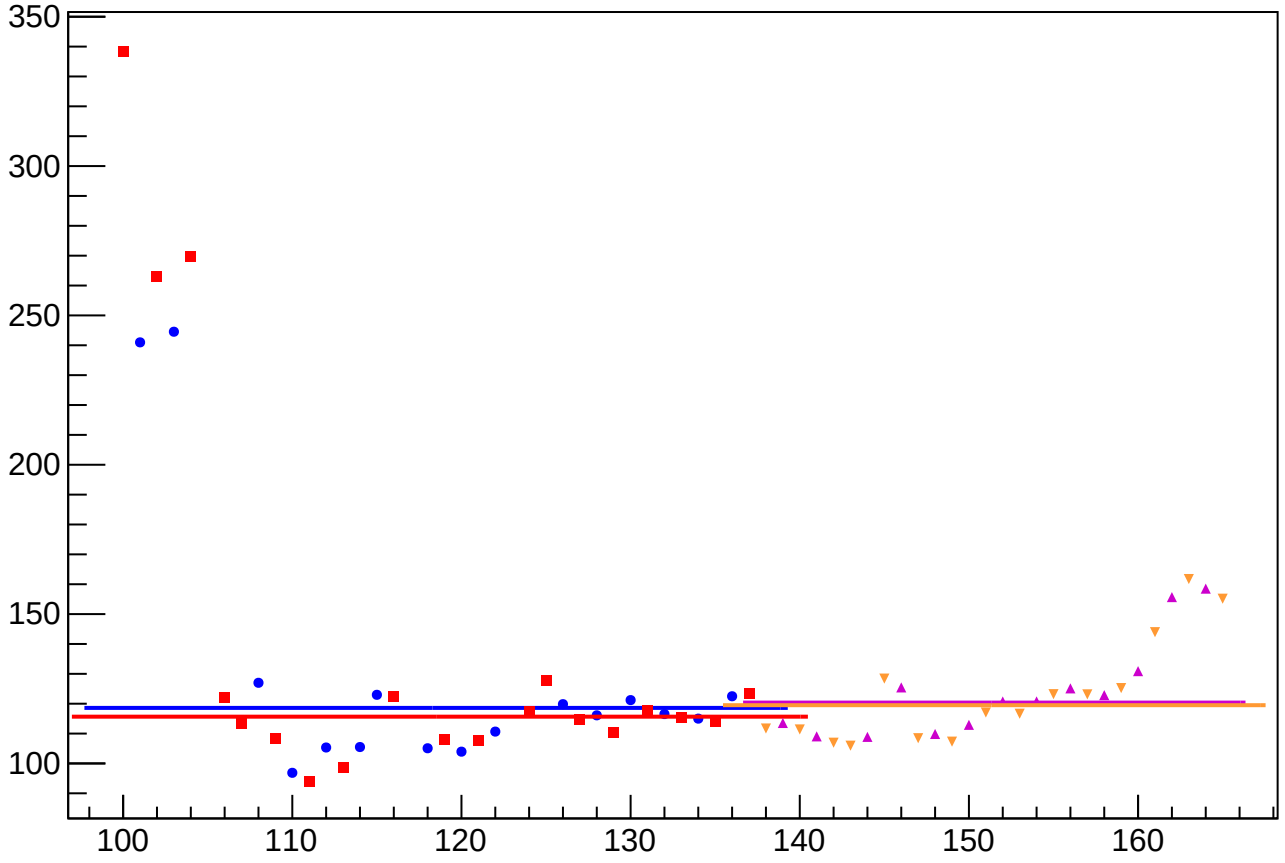
Left In: 5801.144+/-36.961 χ^2/NDF:9436.1/12

+ sign -3696.389+/-28.223 χ^2/NDF: 48407.3/30

All: 129.489+/-20.051 χ^2/NDF: 107003.5/62

- sign 4028.686+/-28.492 χ^2/NDF: 21491.4/31

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 119.502+/-0.025 χ^2/NDF:331883.8/14

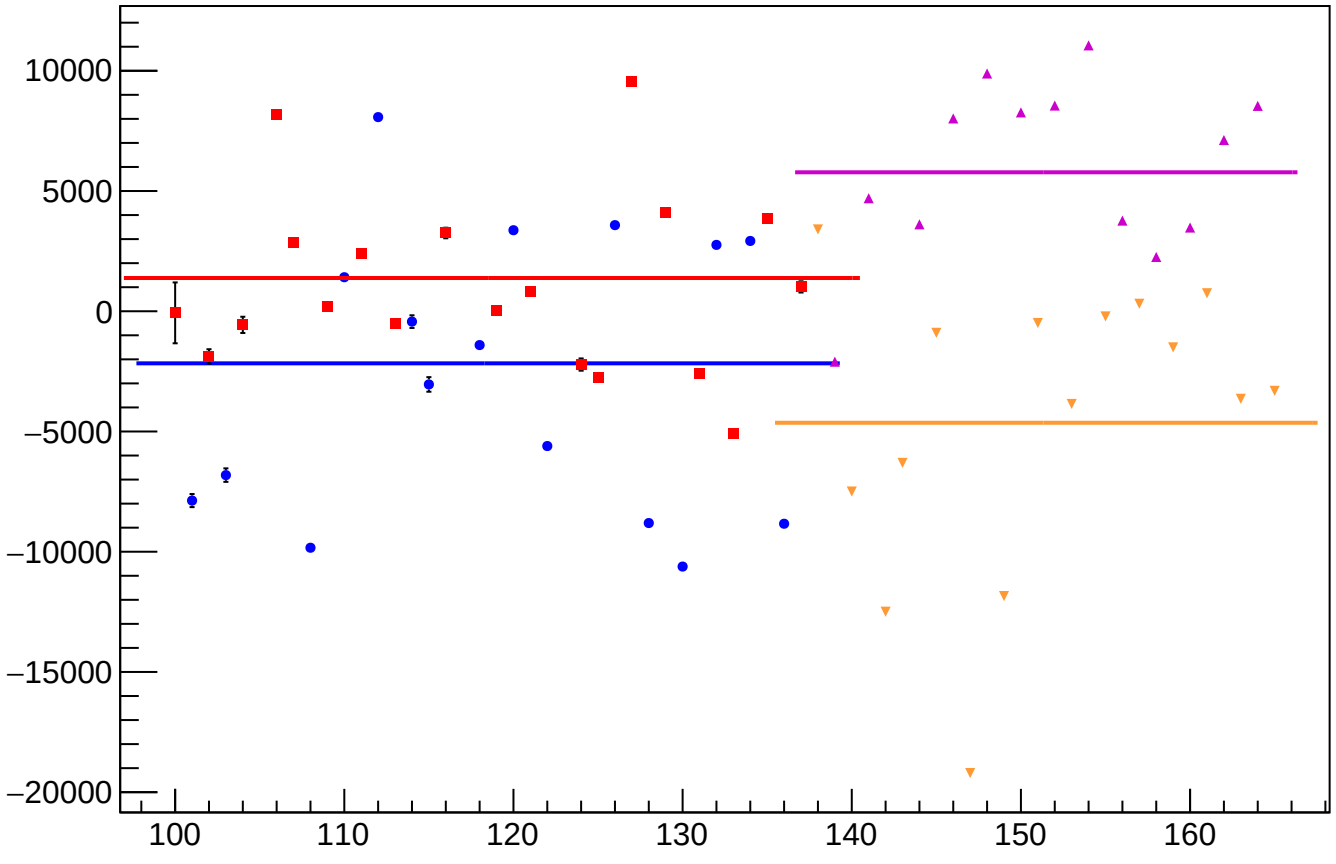
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 120.373+/-0.026 χ^2/NDF:234975.0/12

+ sign 119.172+/-0.020 χ^2/NDF: 1066520.6/30

All: 118.819+/-0.014 χ^2/NDF: 2179525.7/62

- sign 118.460+/-0.020 χ^2/NDF: 1112375.9/31



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4636.640+/-31.890 χ^2/NDF:36174.3/14

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

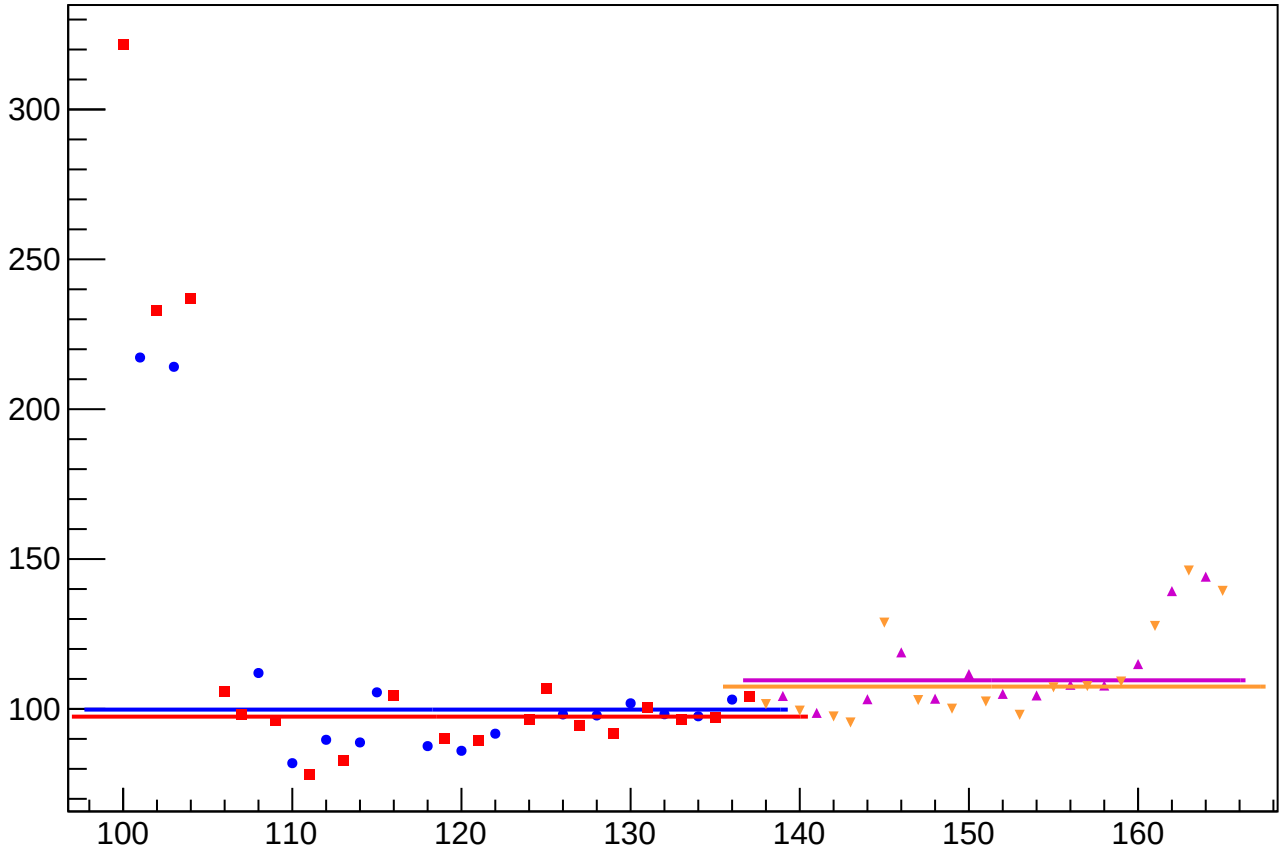
Left In: 5778.460+/-33.645 χ^2/NDF:11688.9/12

+ sign -3665.621+/-24.845 χ^2/NDF: 61408.3/30

All: 39.272+/-17.686 χ^2/NDF: 134832.5/62

- sign 3845.603+/-25.183 χ^2/NDF: 28342.6/31

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 107.448+/-0.023 χ^2/NDF:344749.3/14

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

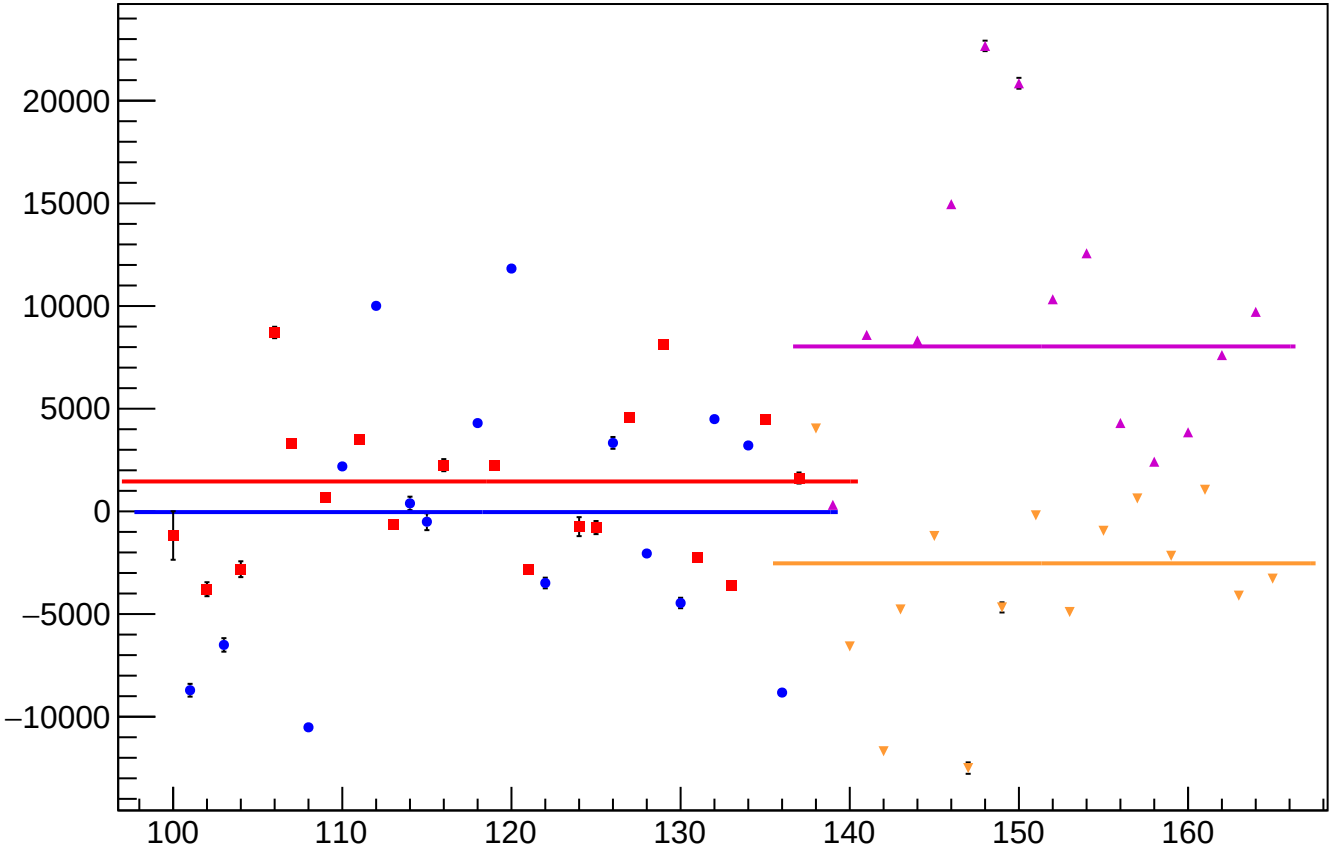
Left In: 109.549+/-0.024 χ^2/NDF:202328.8/12

\+ sign 104.432+/-0.018 χ^2/NDF: 1199409.9/30

All: 104.327+/-0.013 χ^2/NDF: 2442021.7/62

\- sign 104.219+/-0.018 χ^2/NDF: 1242539.0/31

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2530.427+/-45.685 χ^2/NDF:6994.4/14

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

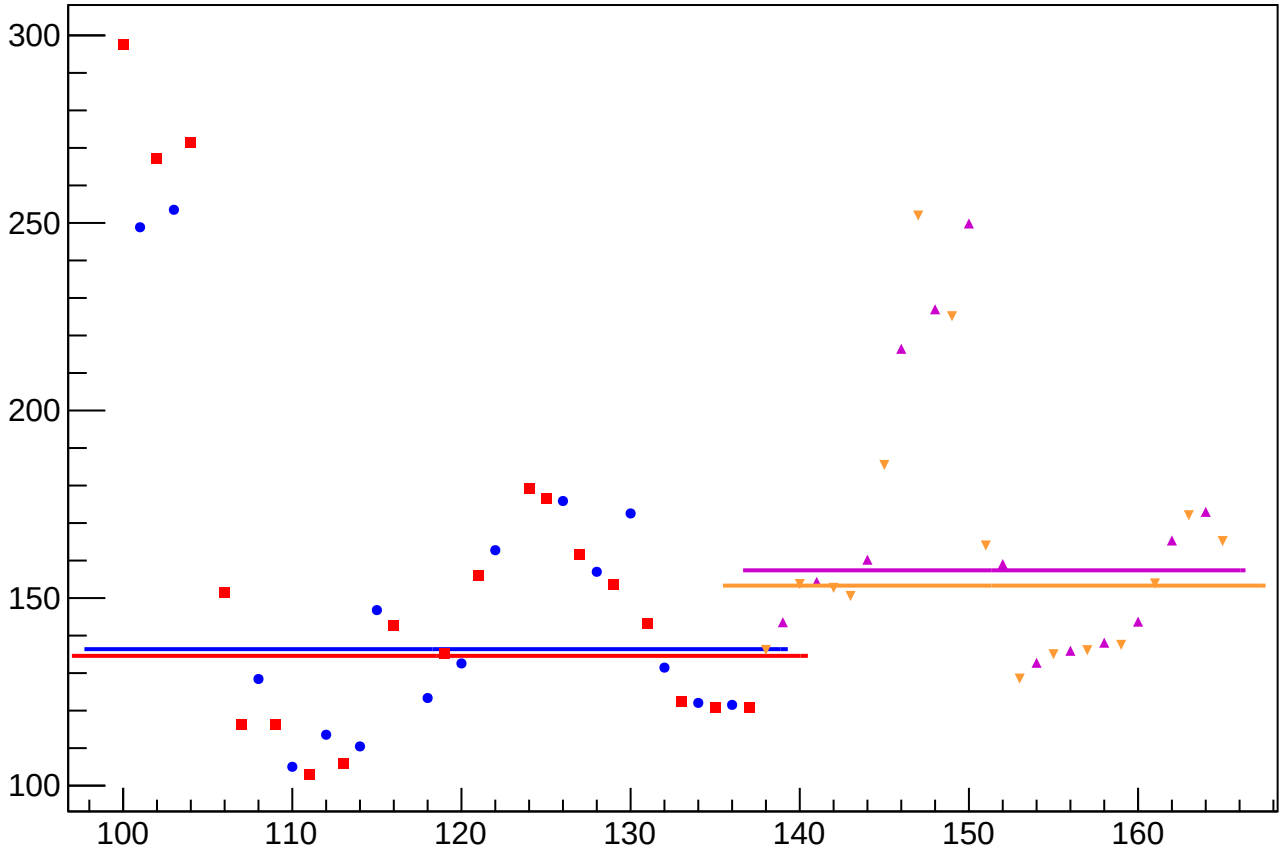
Left In: 8032.276+/-48.886 χ^2/NDF:12904.7/12

+ sign -1477.193+/-34.732 χ^2/NDF: 25056.6/30

All: 1654.065+/-24.861 χ^2/NDF: 67243.0/62

- sign 4943.803+/-35.600 χ^2/NDF: 25519.4/31

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 153.322+/-0.032 χ^2/NDF:666268.0/14

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

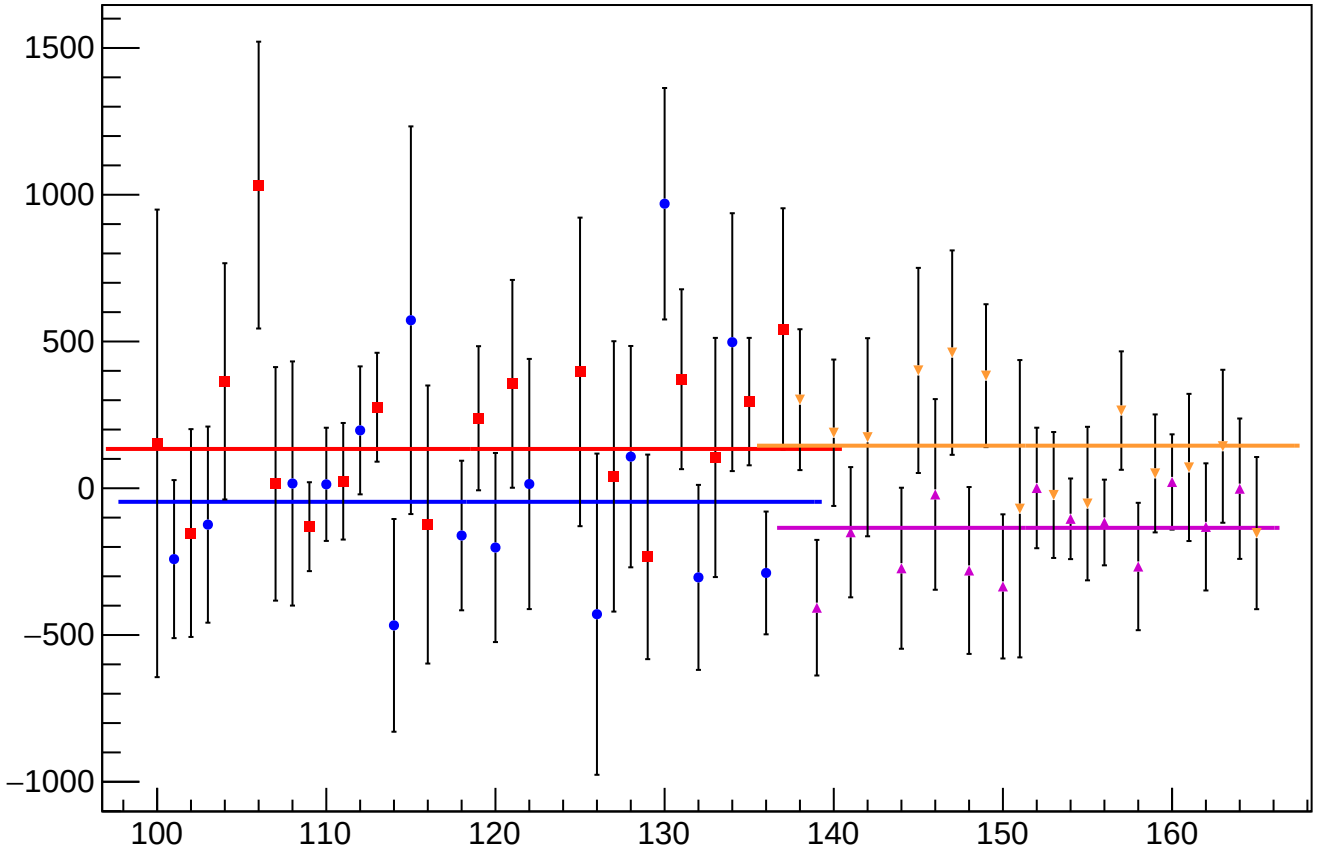
Left In: 157.397+/-0.035 χ^2/NDF:706032.7/12

+ sign 146.174+/-0.025 χ^2/NDF: 1579148.1/30

All: 146.425+/-0.018 χ^2/NDF: 3409302.0/62

- sign 146.689+/-0.025 χ^2/NDF: 1829939.3/31

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 145.097+/-68.906 χ^2/NDF:6.1/13

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

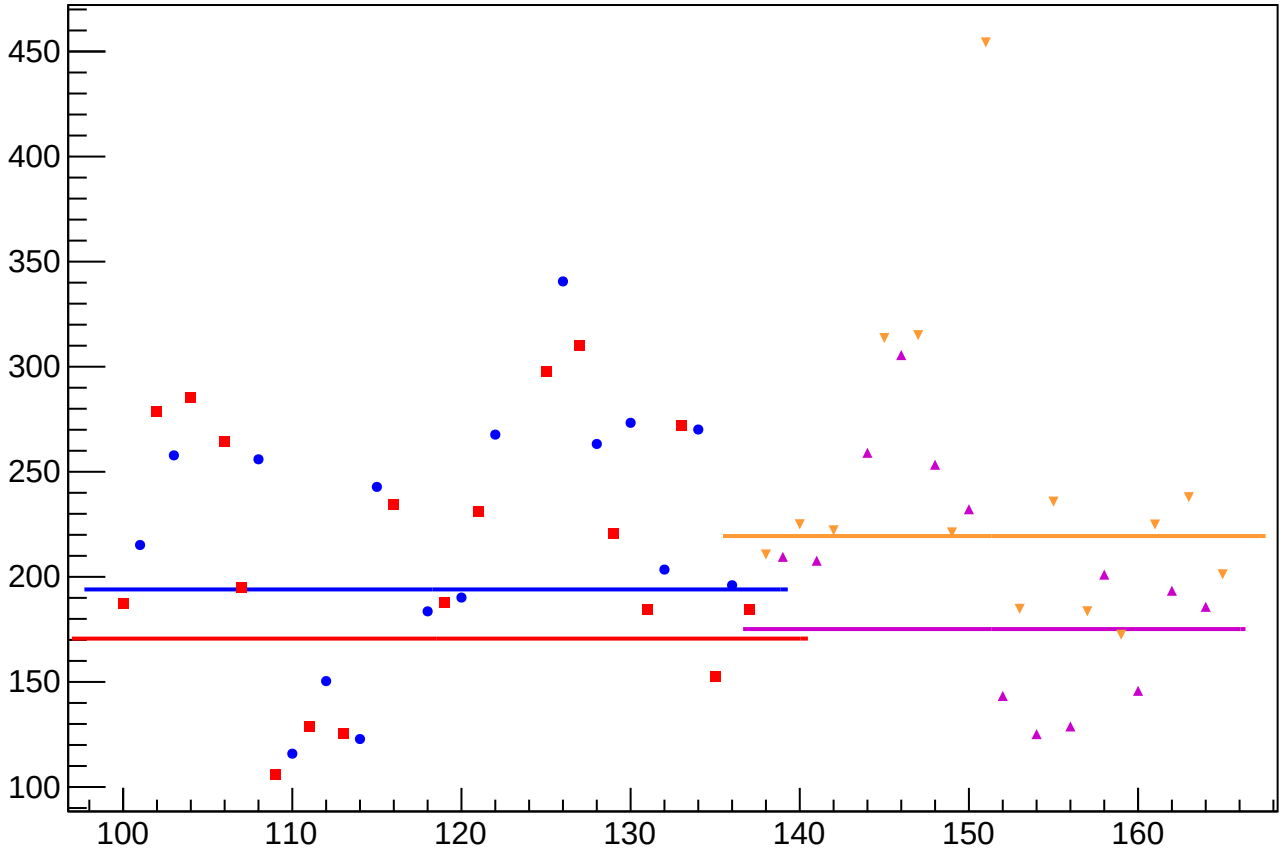
Left In: -134.889+/-56.573 χ^2/NDF:4.8/12

+ sign 59.144+/-51.133 χ^2/NDF: 25.1/29

All: 10.000+/-33.176 χ^2/NDF: 53.4/60

- sign -25.727+/-43.598 χ^2/NDF: 26.8/30

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 219.410+/-0.049 χ^2/NDF:983113.1/13

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

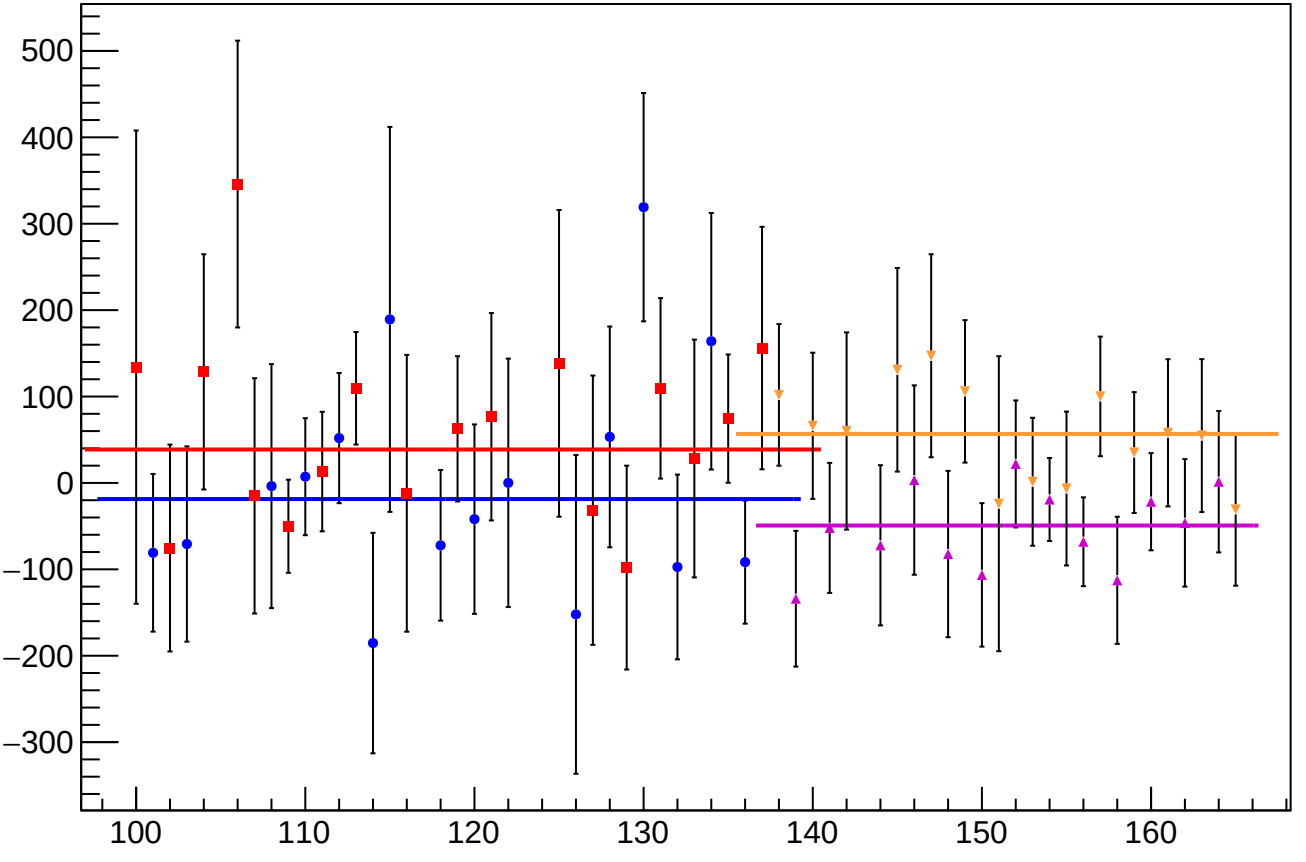
Left In: 175.156+/-0.040 χ^2/NDF:1482254.2/12

+ sign 208.001+/-0.036 χ^2/NDF: 2148746.5/29

All: 187.916+/-0.023 χ^2/NDF: 5762816.7/60

- sign 173.316+/-0.031 χ^2/NDF: 3081203.8/30

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 56.707+/-23.526 χ^2/NDF:4.4/13

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

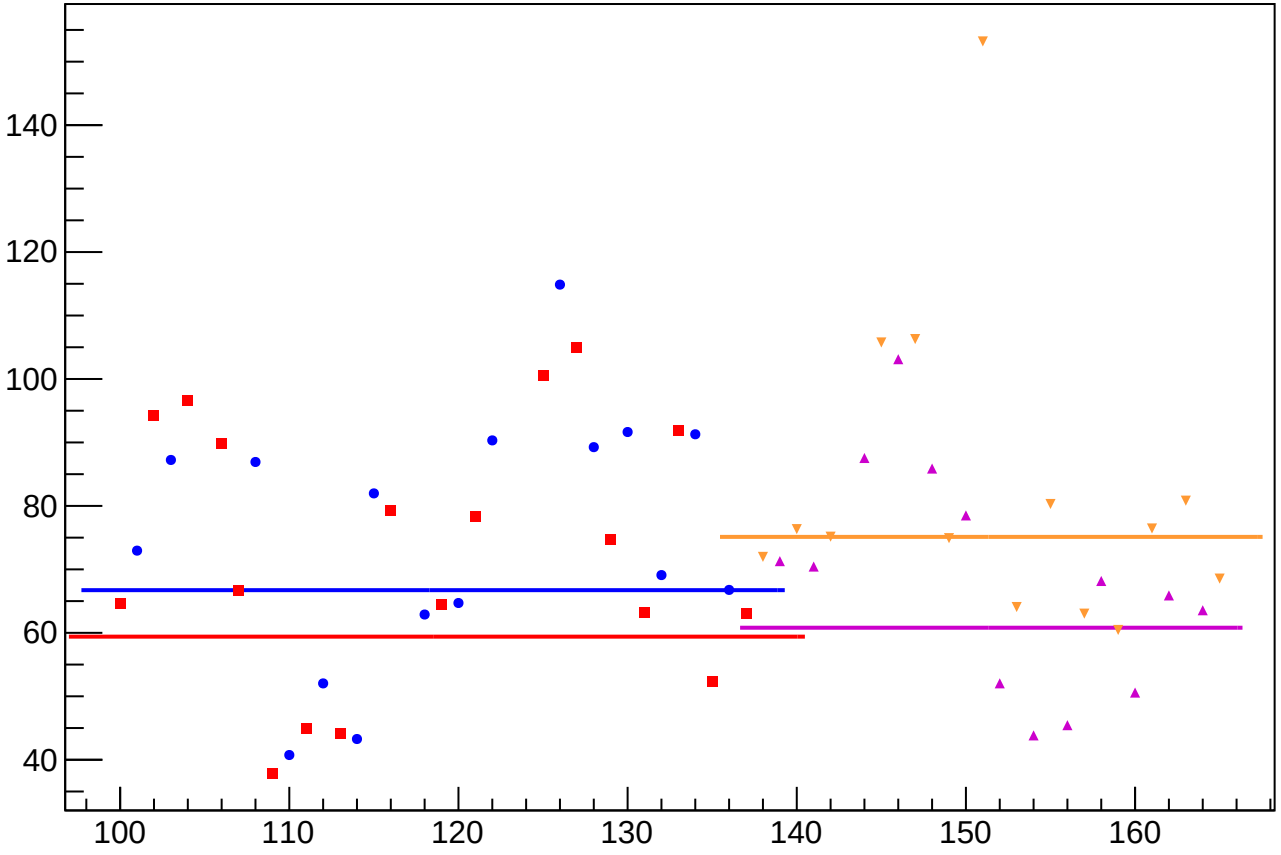
Left In: -49.307+/-19.528 χ^2/NDF:4.9/12

+ sign 22.961+/-17.481 χ^2/NDF: 24.2/29

All: 1.958+/-11.409 χ^2/NDF: 52.5/60

- sign -13.626+/-15.059 χ^2/NDF: 25.7/30

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 75.120+/-0.017 χ^2/NDF:917829.5/13

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

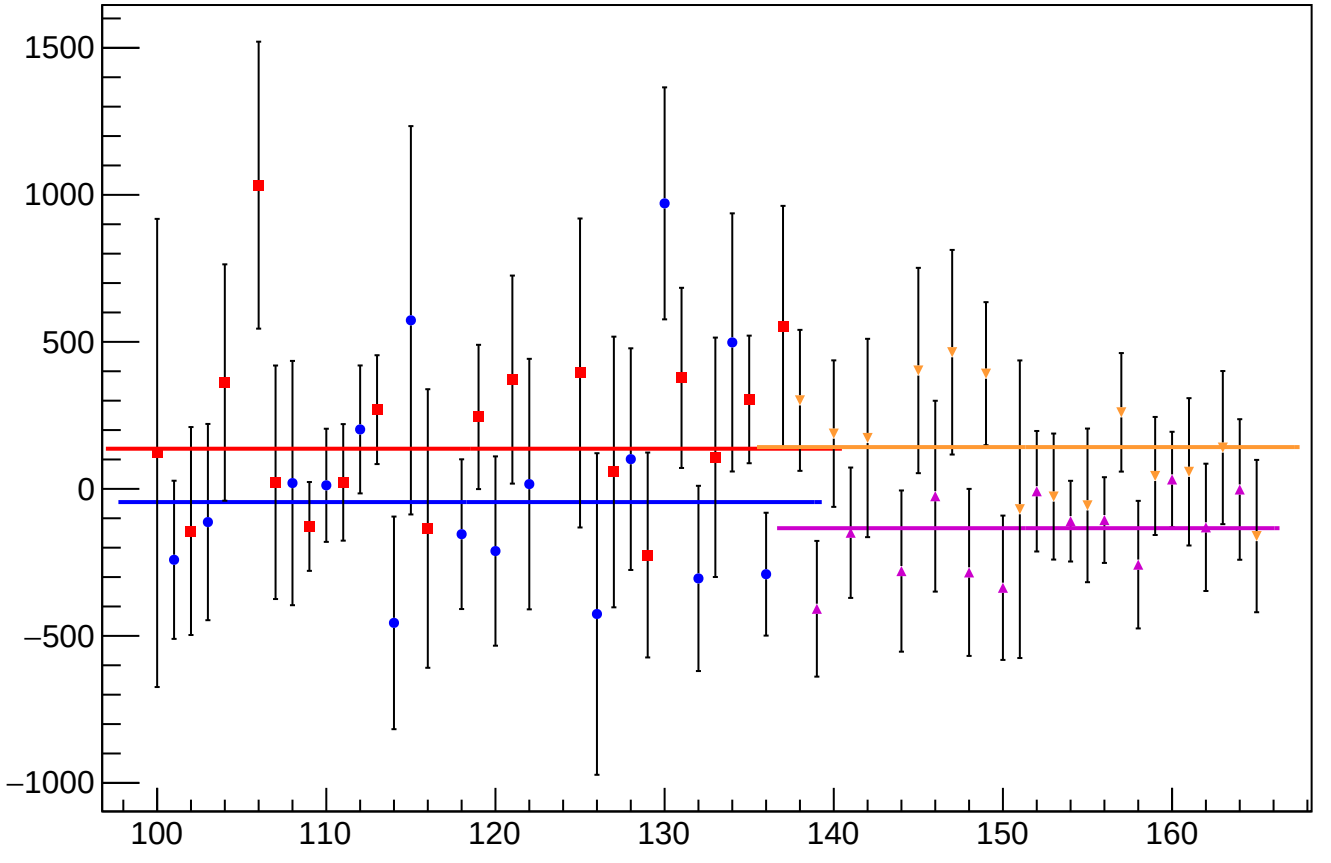
Left In: 60.806+/-0.014 χ^2/NDF:1313881.6/12

+ sign 71.360+/-0.012 χ^2/NDF: 1978936.4/29

All: 64.974+/-0.008 χ^2/NDF: 5207234.2/60

- sign 60.236+/-0.011 χ^2/NDF: 2763453.6/30

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 142.106+/-68.849 χ^2/NDF:6.4/13

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

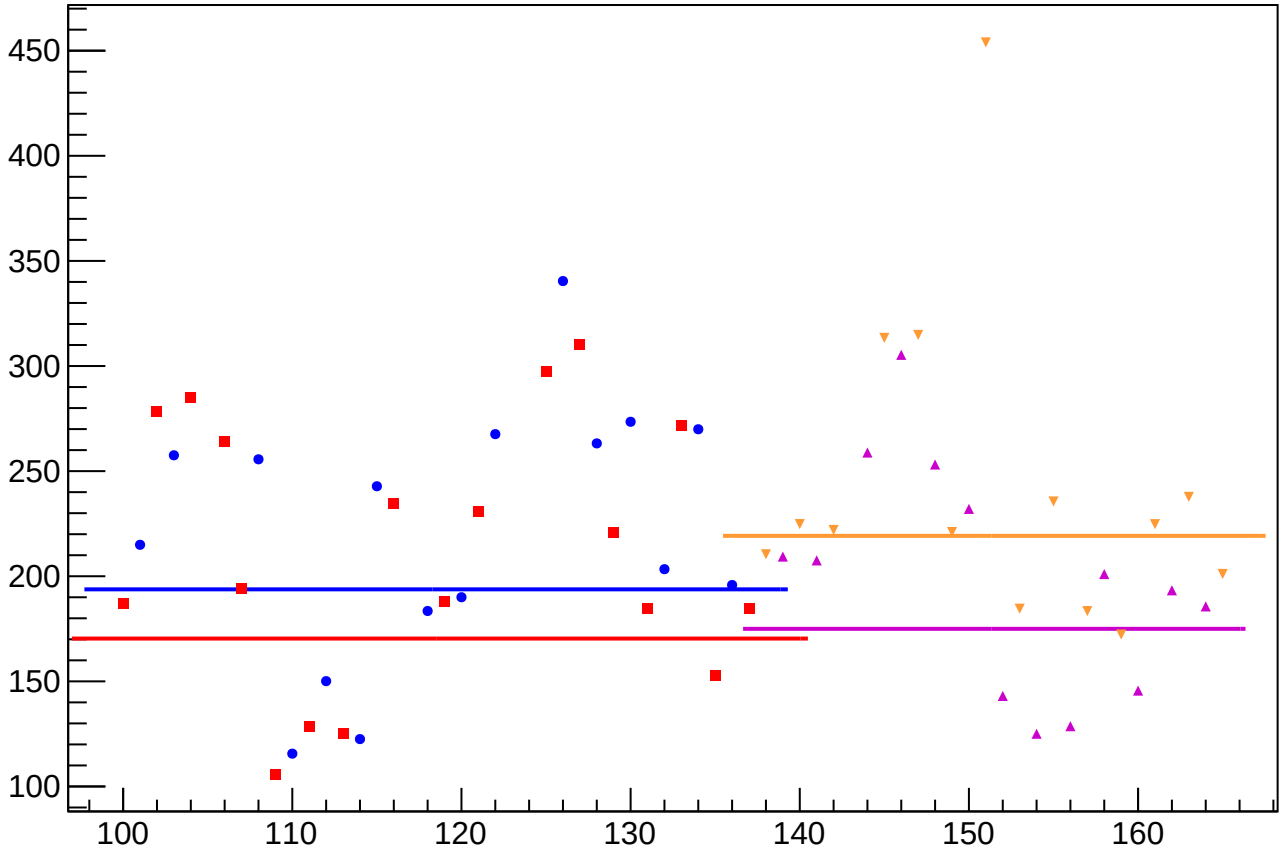
Left In: -133.698+/-56.524 χ^2/NDF:4.9/12

+ sign 58.047+/-51.085 χ^2/NDF: 25.2/29

All: 10.605+/-33.142 χ^2/NDF: 53.7/60

- sign -23.876+/-43.551 χ^2/NDF: 27.0/30

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 219.223+/-0.049 χ^2/NDF:983786.9/13

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

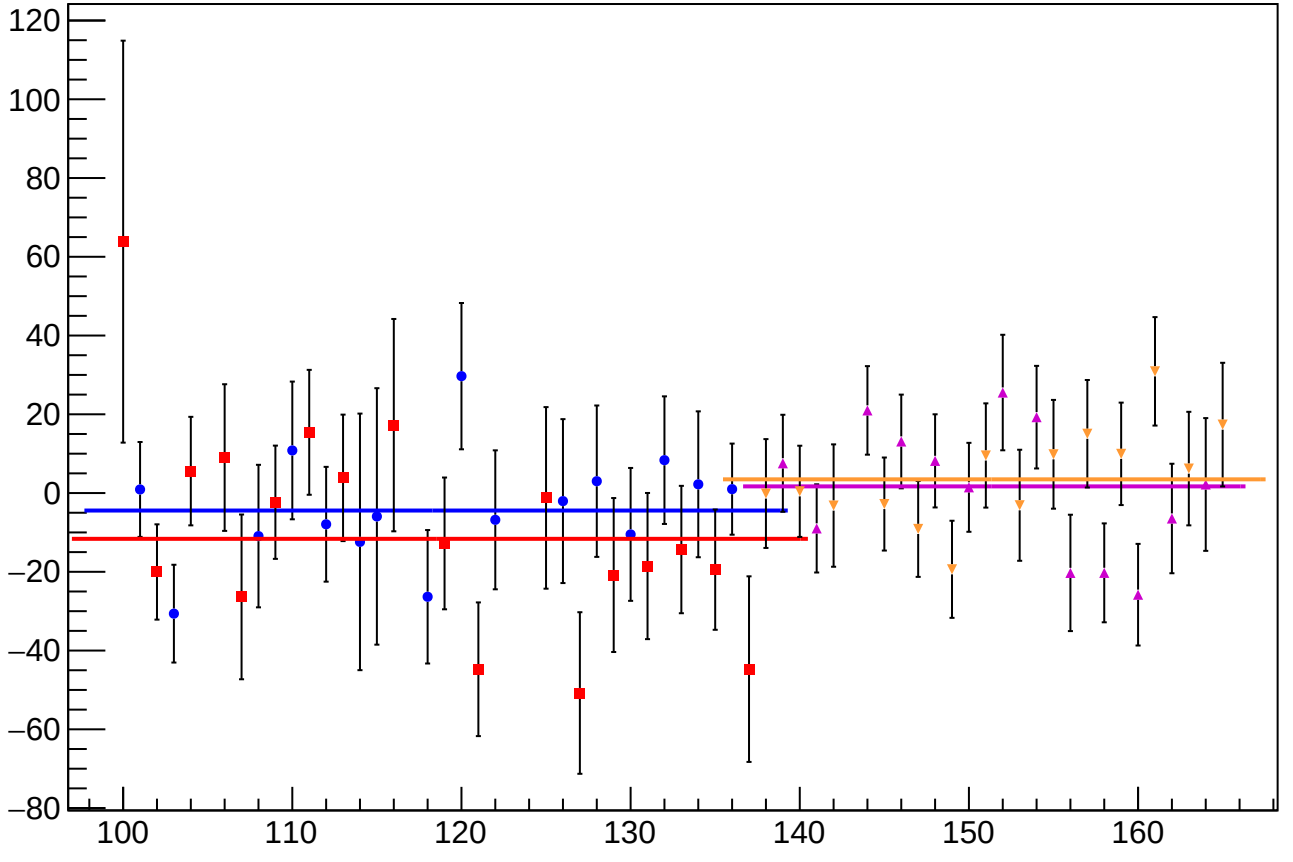
Left In: 174.992+/-0.040 χ^2/NDF:1484400.4/12

+ sign 207.782+/-0.036 χ^2/NDF: 2154763.2/29

All: 187.703+/-0.023 χ^2/NDF: 5777221.1/60

- sign 173.109+/-0.031 χ^2/NDF: 3088887.7/30

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 3.483+/-3.564 χ^2/NDF:11.5/13

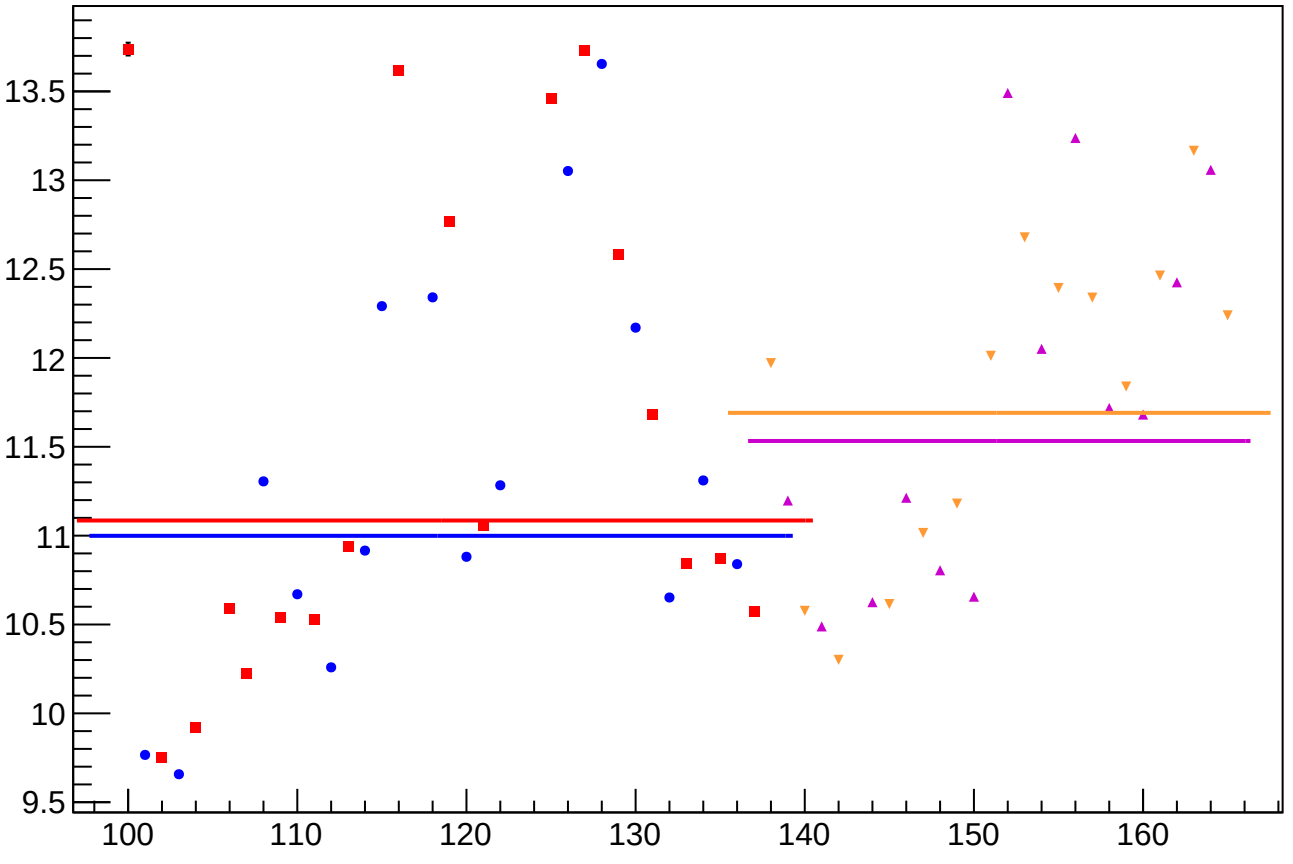
Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: 1.694+/-3.521 χ^2/NDF:19.9/12

+ sign 0.102+/-2.699 χ^2/NDF: 25.6/29

All: -1.913+/-1.902 χ^2/NDF: 74.3/60

- sign -3.902+/-2.681 χ^2/NDF: 47.6/30



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.691+/-0.003 χ^2/NDF:112119.8/13

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

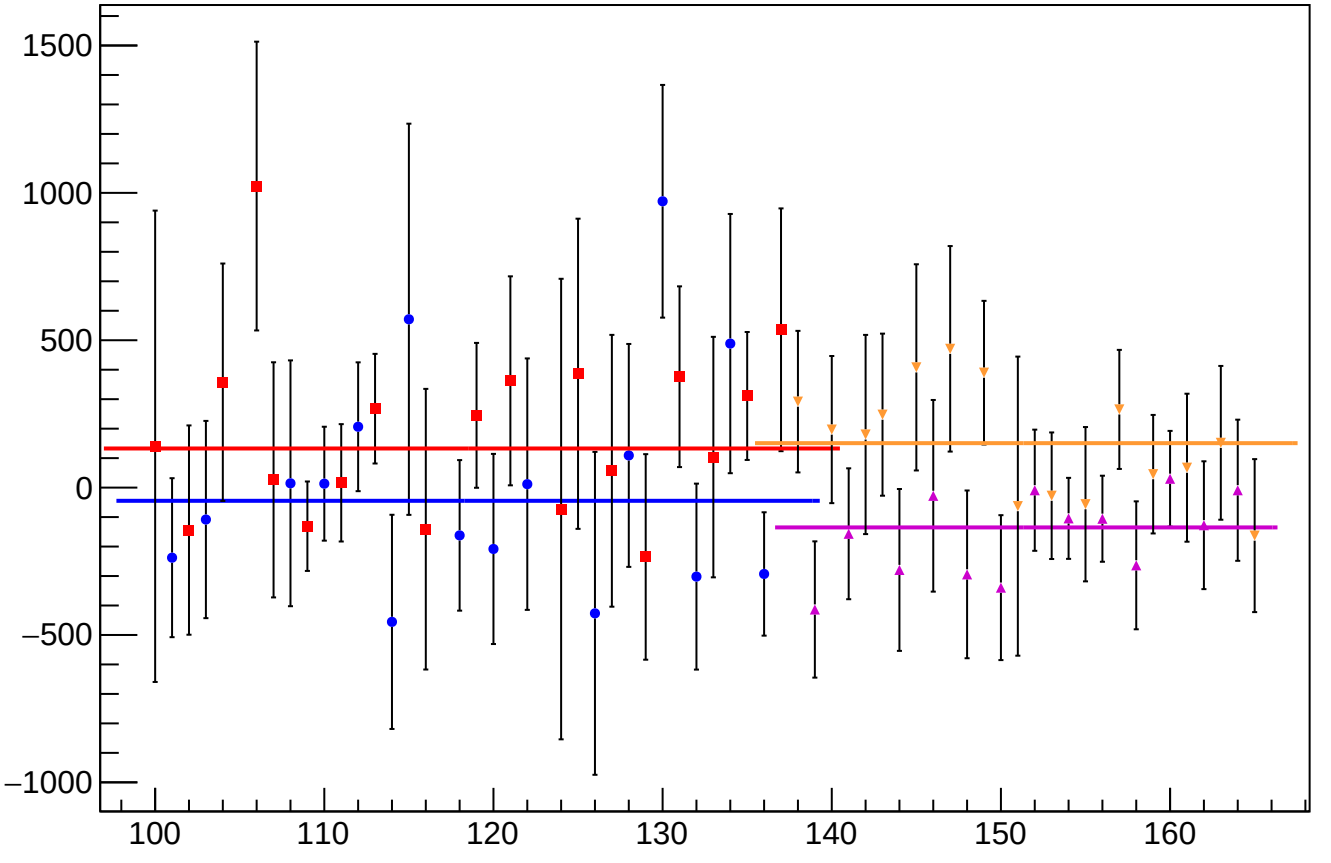
Left In: 11.533+/-0.002 χ^2/NDF:143719.9/12

+ sign 11.396+/-0.002 χ^2/NDF: 280456.0/29

All: 11.370+/-0.001 χ^2/NDF: 600309.8/60

- sign 11.345+/-0.002 χ^2/NDF: 319494.9/30

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 150.815+/-66.900 χ^2/NDF:6.5/14

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

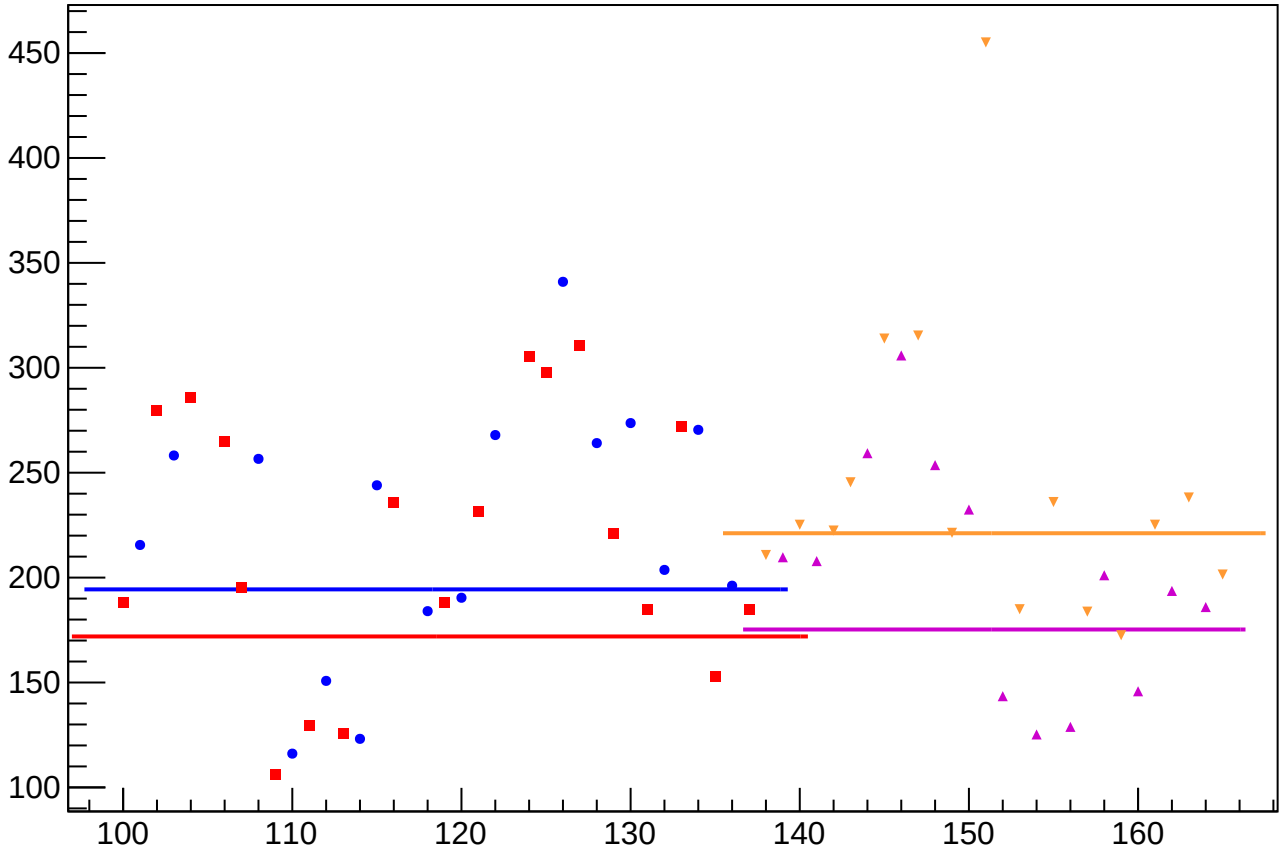
Left In: -135.082+/-56.613 χ^2/NDF:5.0/12

+ sign 65.949+/-50.338 χ^2/NDF: 25.7/30

All: 13.416+/-32.947 χ^2/NDF: 54.5/62

- sign -25.957+/-43.579 χ^2/NDF: 26.9/31

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 221.143+/-0.047 χ^2/NDF:1001102.8/14

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

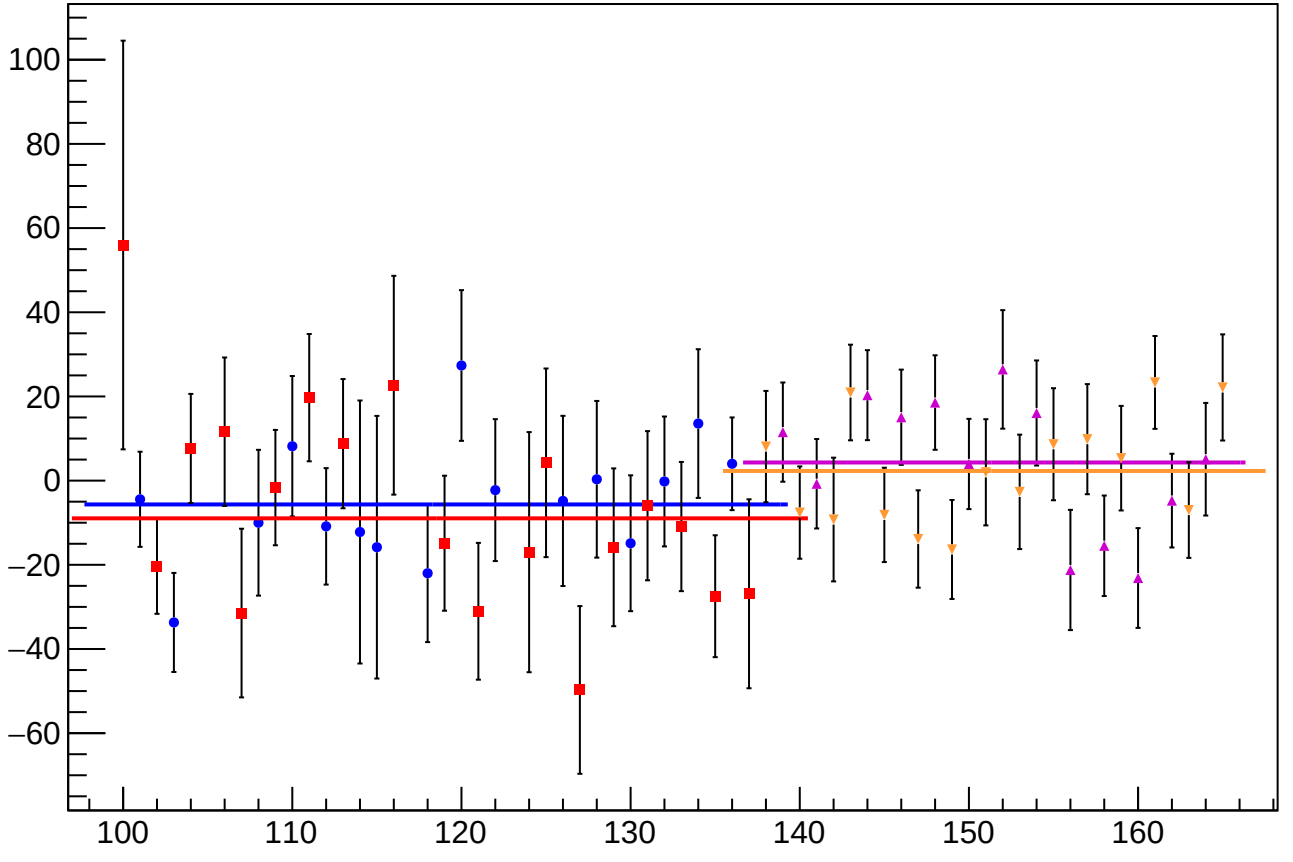
Left In: 175.267+/-0.040 χ^2/NDF:1484496.3/12

+ sign 209.534+/-0.036 χ^2/NDF: 2181929.3/30

All: 189.174+/-0.023 χ^2/NDF: 5892953.0/62

- sign 173.915+/-0.031 χ^2/NDF: 3138640.0/31

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 2.295+/-3.147 χ^2/NDF:17.2/14

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

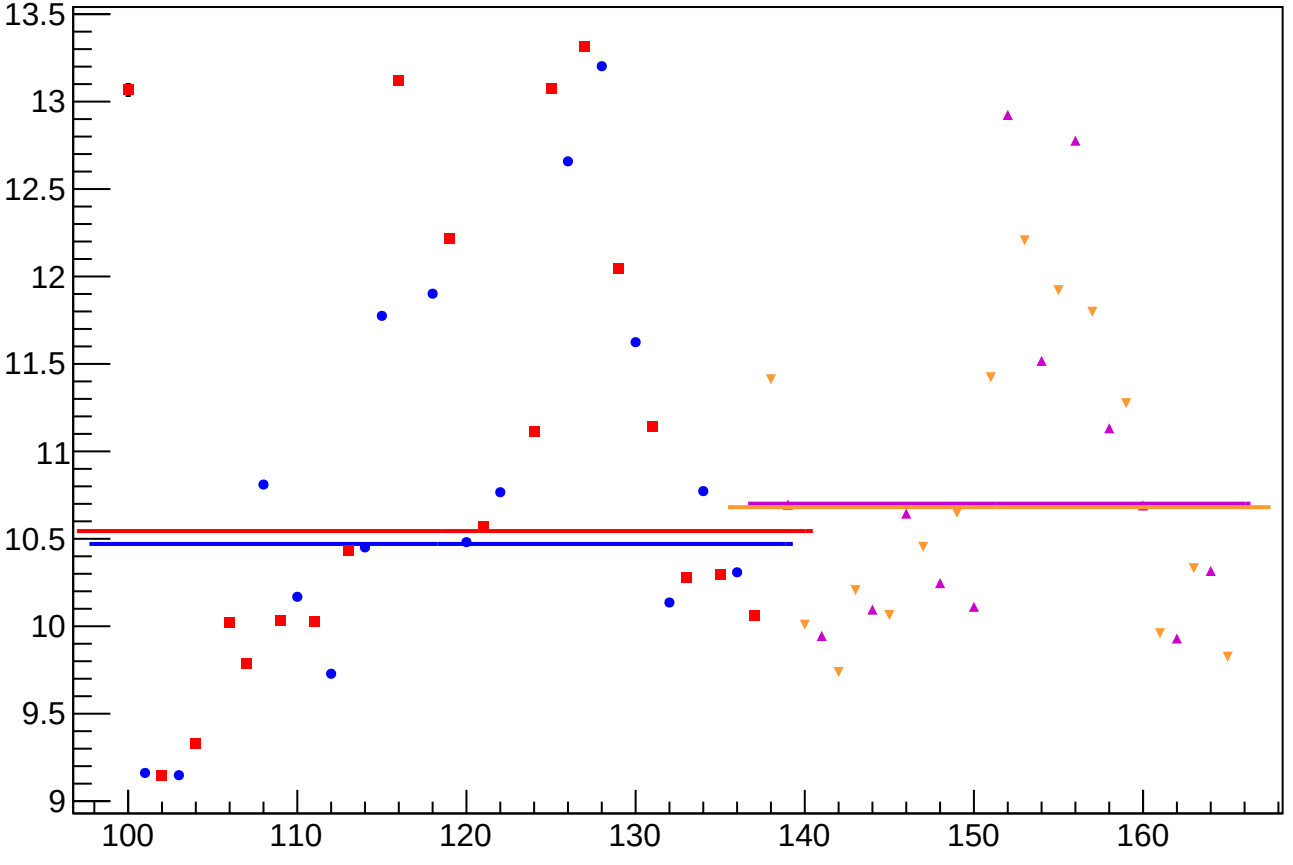
Left In: 4.312+/-3.272 χ^2/NDF:20.7/12

\+ sign -0.803+/-2.459 χ^2/NDF: 33.4/30

All: -0.983+/-1.755 χ^2/NDF: 83.6/62

\- sign -1.169+/-2.507 χ^2/NDF: 50.3/31

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.681+/-0.002 χ^2/NDF:120492.5/14

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

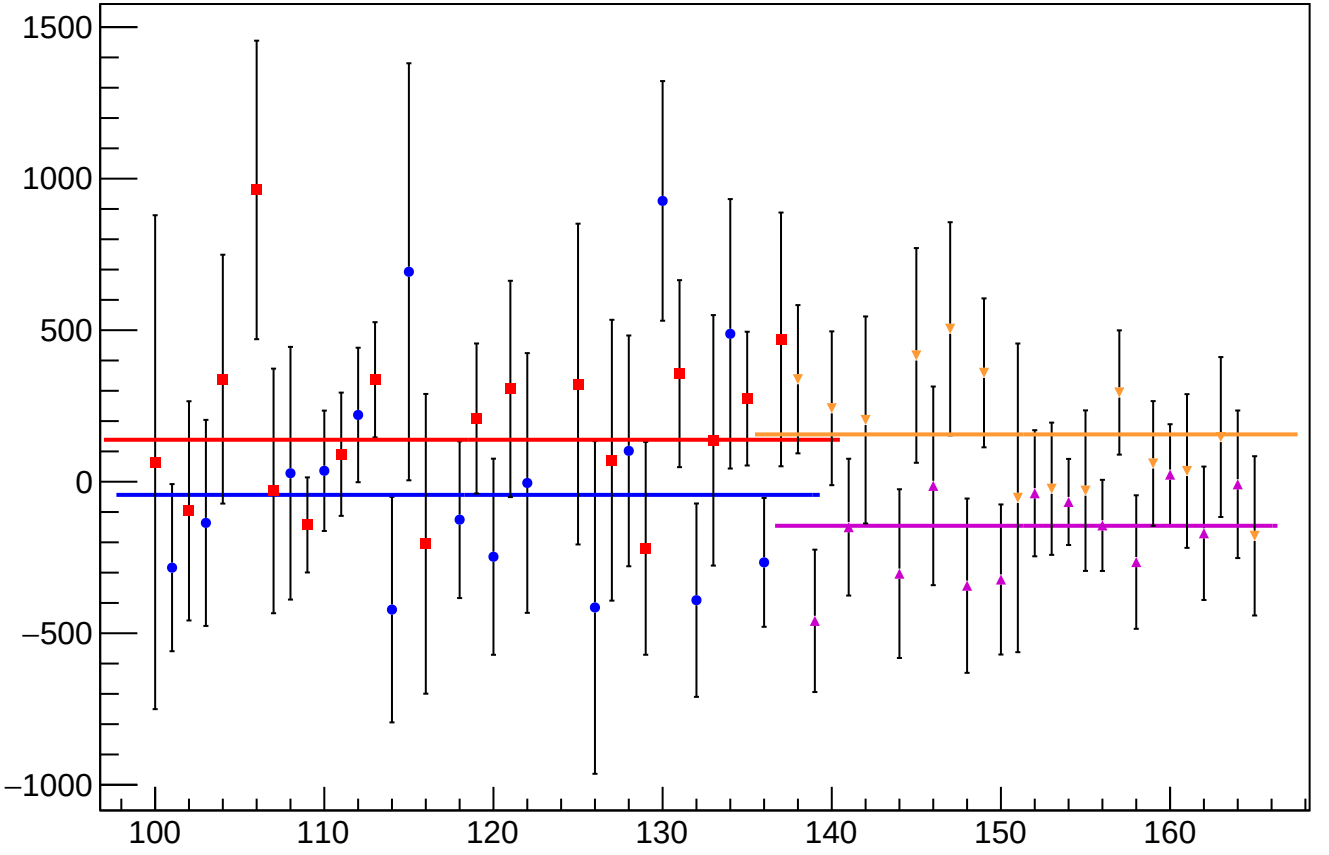
Left In: 10.701+/-0.002 χ^2/NDF:140413.5/12

+ sign 10.599+/-0.002 χ^2/NDF: 281340.4/30

All: 10.617+/-0.001 χ^2/NDF: 610651.0/62

- sign 10.636+/-0.002 χ^2/NDF: 329085.5/31

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 156.140+/-69.955 χ^2/NDF:6.8/13

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

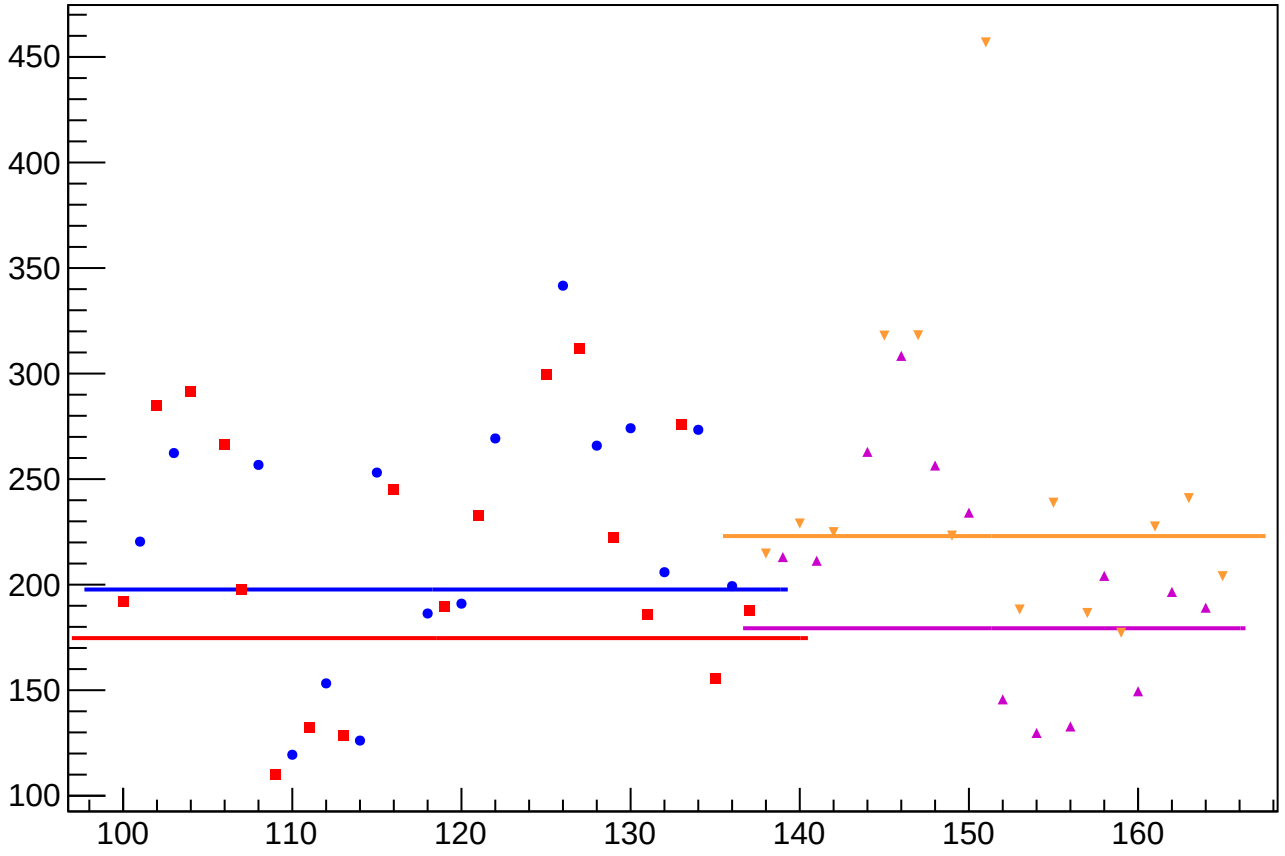
Left In: -145.392+/-57.781 χ^2/NDF:5.5/12

+ sign 66.668+/-51.954 χ^2/NDF: 25.9/29

All: 10.904+/-33.805 χ^2/NDF: 54.6/60

- sign -30.039+/-44.518 χ^2/NDF: 26.7/30

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 223.019+/-0.049 χ^2/NDF:955814.3/13

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

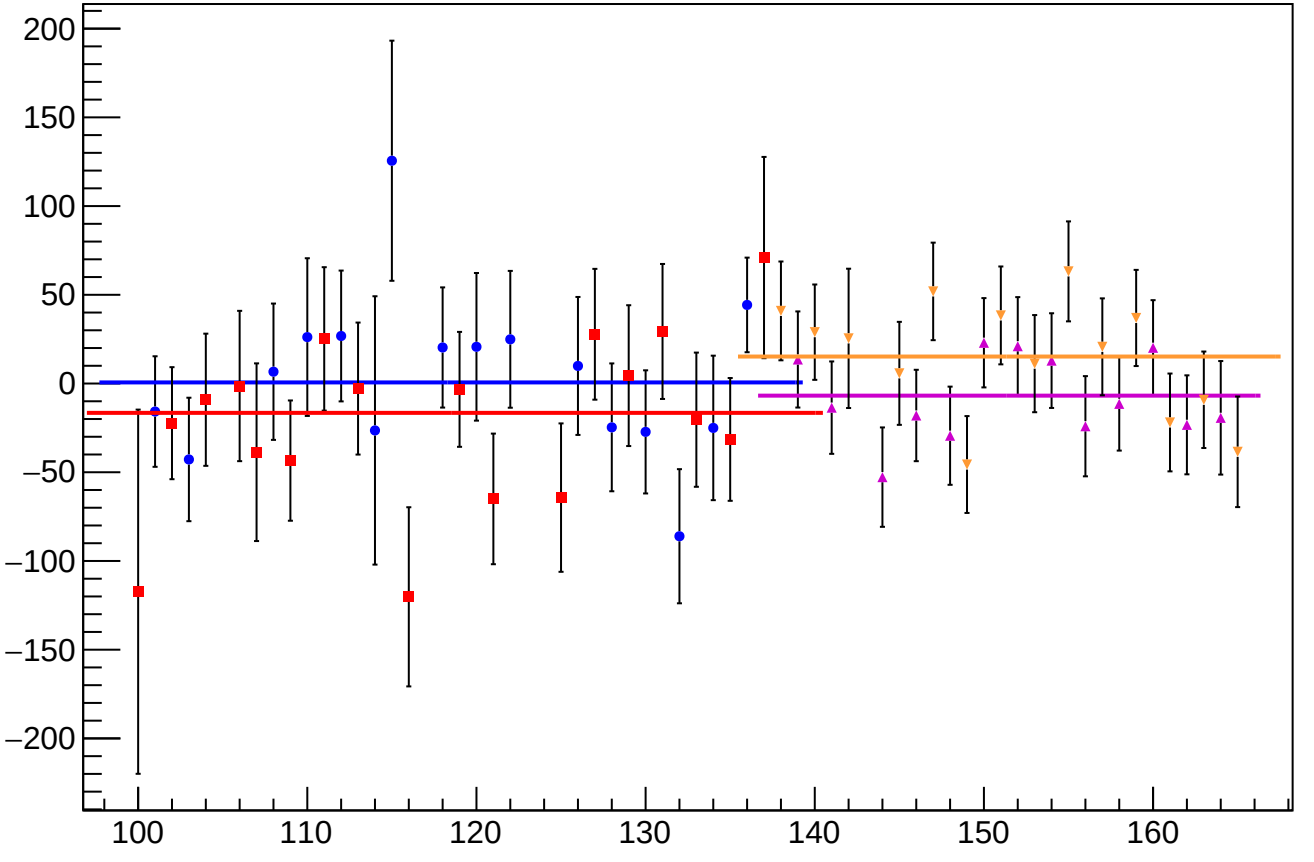
Left In: 179.352+/-0.041 χ^2/NDF:1406319.4/12

+ sign 211.668+/-0.037 χ^2/NDF: 2073554.4/29

All: 191.939+/-0.024 χ^2/NDF: 5520133.2/60

- sign 177.453+/-0.031 χ^2/NDF: 2946386.2/30

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 15.206+/-7.562 χ^2/NDF:17.9/13

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

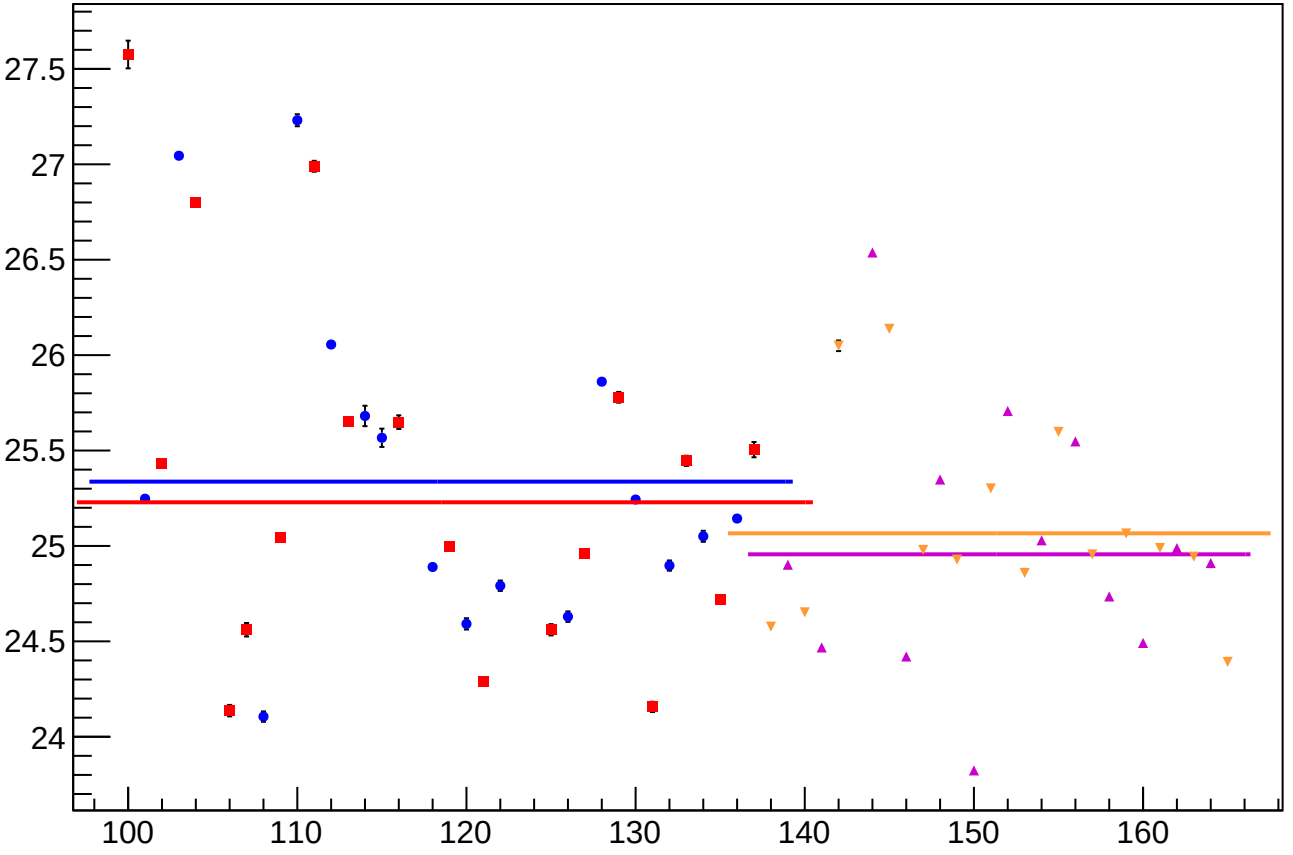
Left In: -6.830+/-7.545 χ^2/NDF:9.1/12

+ sign 9.491+/-5.897 χ^2/NDF: 36.1/29

All: -0.656+/-4.157 χ^2/NDF: 68.1/60

- sign -10.679+/-5.861 χ^2/NDF: 26.1/30

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.066+/-0.005 χ^2/NDF:7140.3/13

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

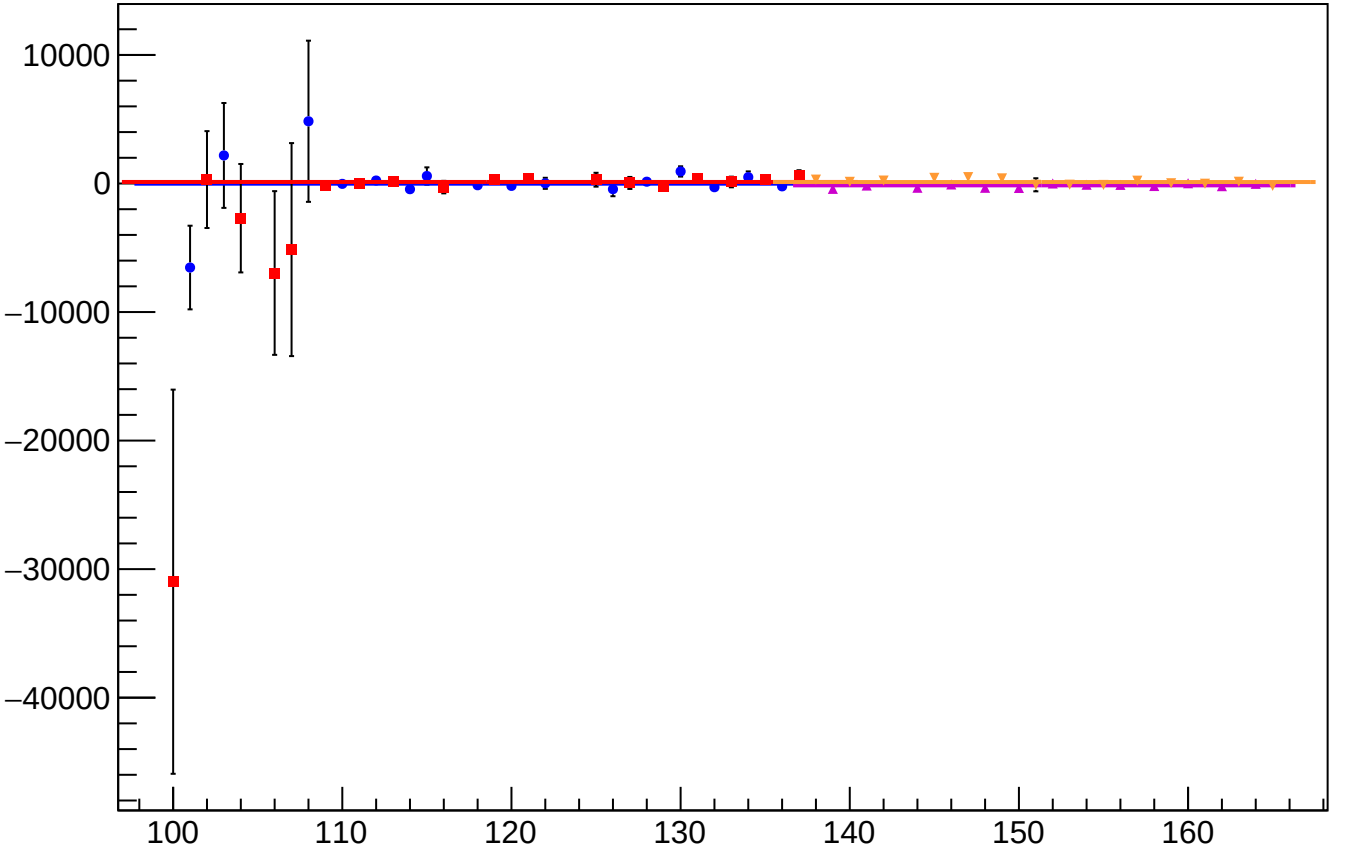
Left In: 24.956+/-0.005 χ^2/NDF:15522.5/12

+ sign 25.172+/-0.004 χ^2/NDF: 22461.3/29

All: 25.118+/-0.003 χ^2/NDF: 54533.1/60

- sign 25.064+/-0.004 χ^2/NDF: 31734.5/30

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.234+/-70.555 χ^2/NDF:7.7/13

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

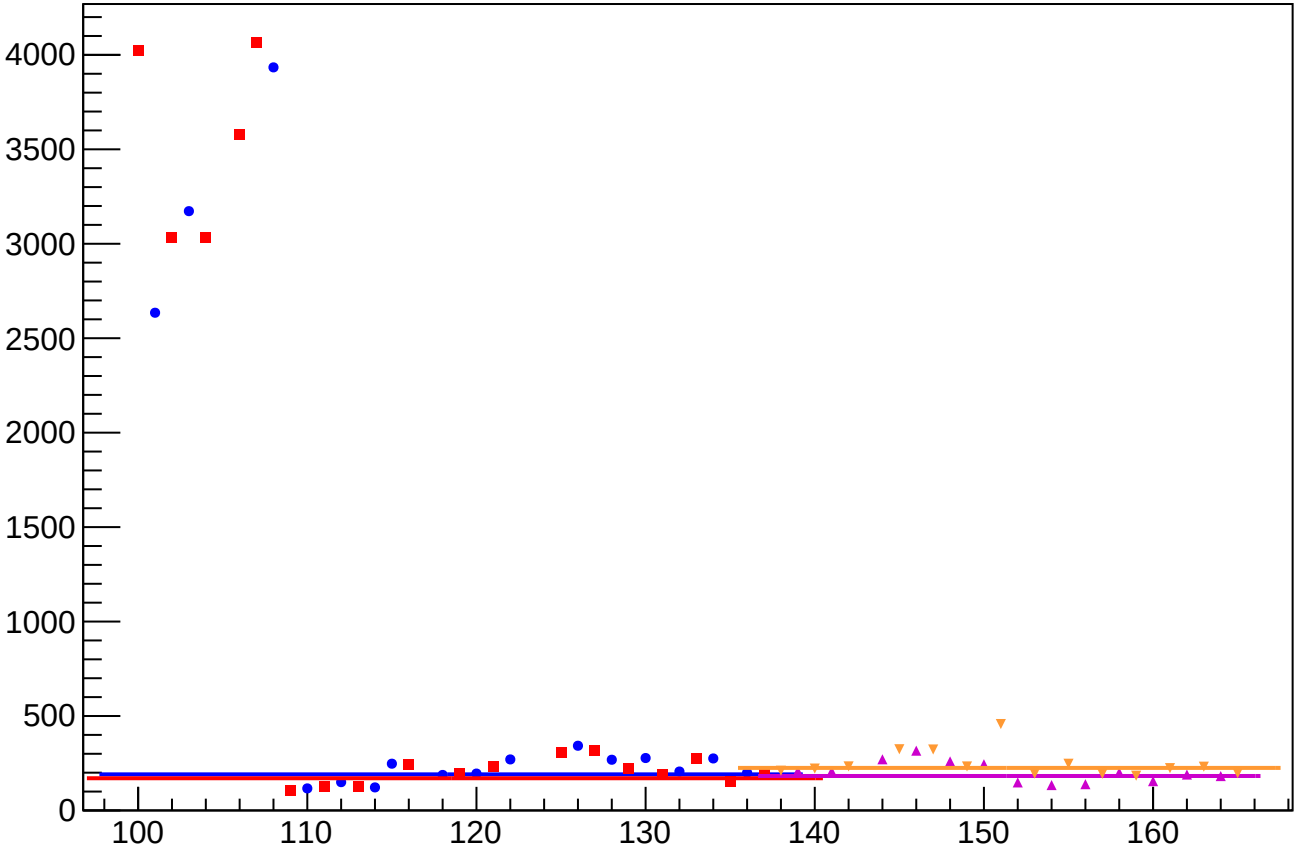
Left In: -143.882+/-58.602 χ^2/NDF:4.8/12

+ sign 61.869+/-54.146 χ^2/NDF: 27.4/29

All: -1.505+/-35.453 χ^2/NDF: 56.3/60

- sign -49.063+/-46.906 χ^2/NDF: 26.5/30

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 225.261+/-0.050 χ^2/NDF:922863.1/13

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

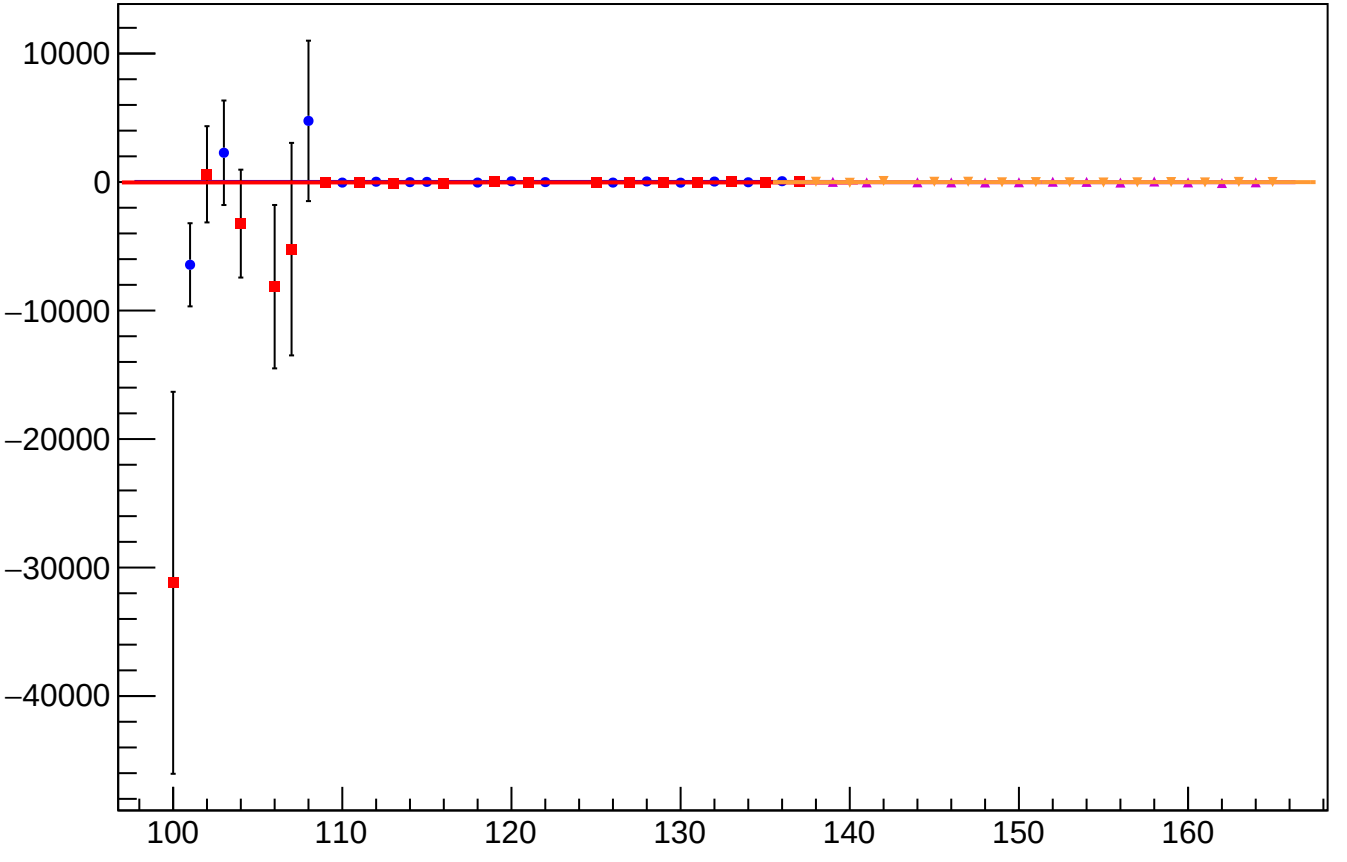
Left In: 182.472+/-0.041 χ^2/NDF:1298321.0/12

+ sign 211.207+/-0.038 χ^2/NDF: 4949879.1/29

All: 192.332+/-0.025 χ^2/NDF: 10958455.6/60

- sign 178.168+/-0.033 χ^2/NDF: 5583170.0/30

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.178+/-8.802 χ^2/NDF:10.7/13

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

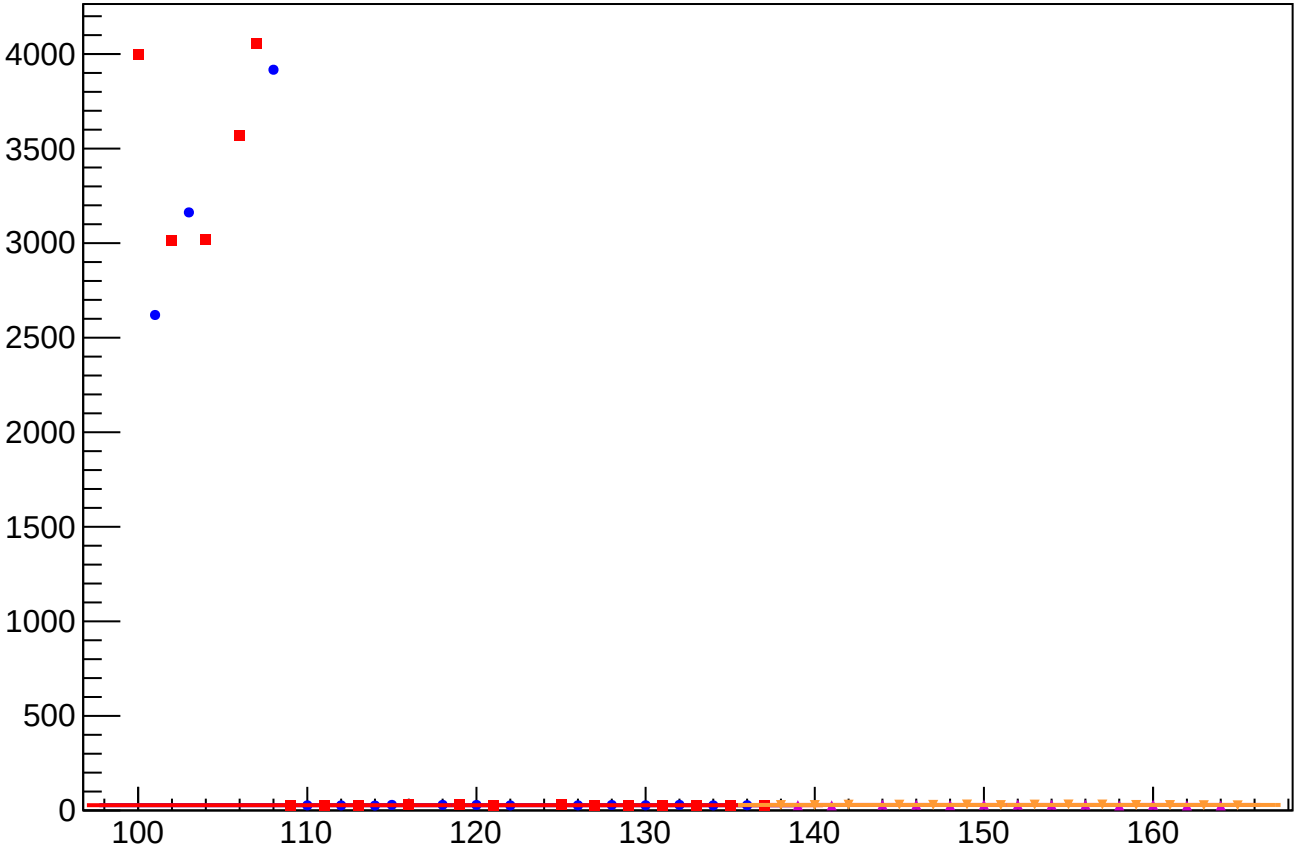
Left In: -12.349+/-8.854 χ^2/NDF:12.2/12

+ sign -2.273+/-7.047 χ^2/NDF: 29.9/29

All: -10.413+/-5.016 χ^2/NDF: 66.1/60

- sign -18.774+/-7.142 χ^2/NDF: 33.6/30

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.123+/-0.006 χ^2/NDF:51884.6/13

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

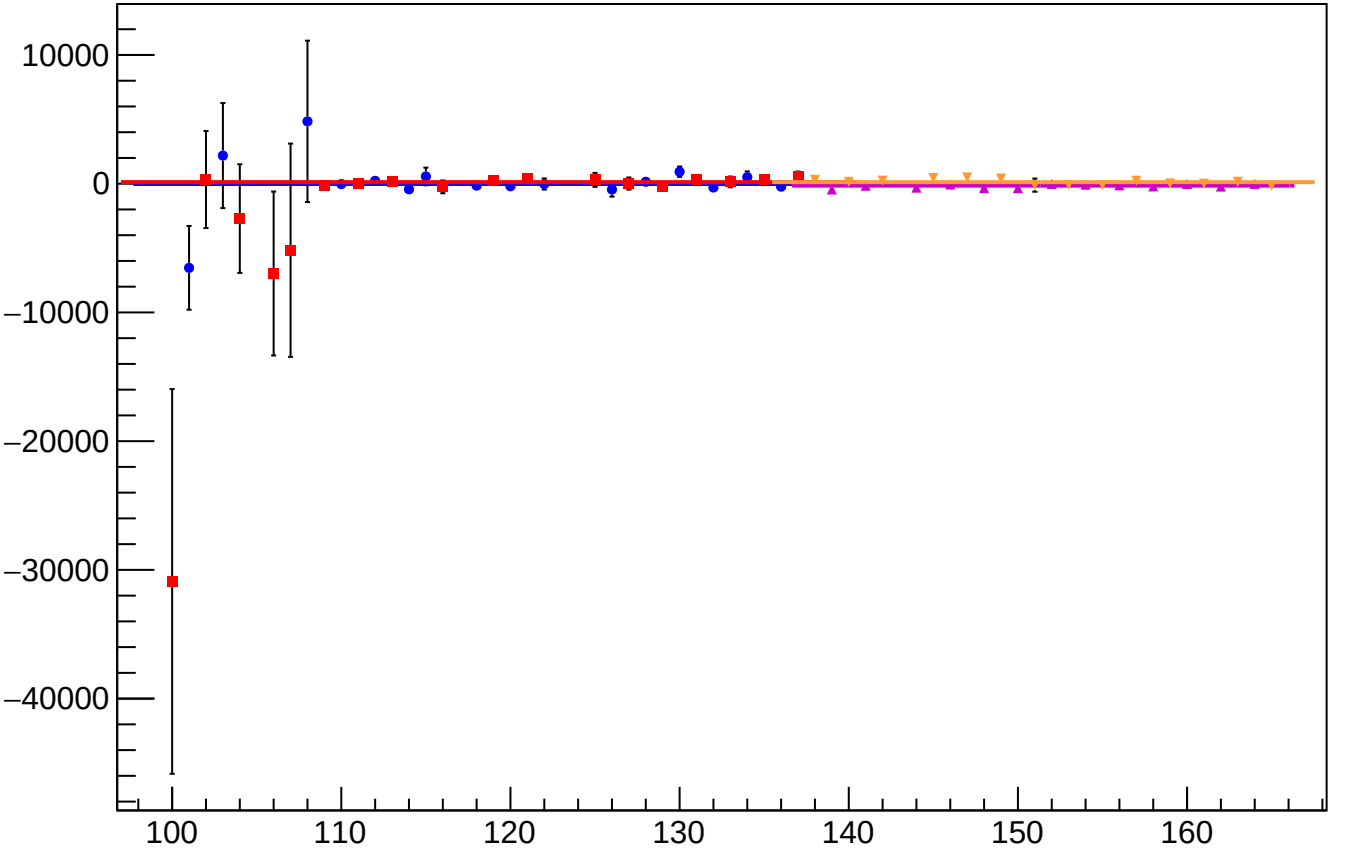
Left In: 29.202+/-0.006 χ^2/NDF:95553.6/12

\+ sign 28.657+/-0.005 χ^2/NDF: 3333389.5/29

All: 28.680+/-0.004 χ^2/NDF: 7005446.6/60

\- sign 28.704+/-0.005 χ^2/NDF: 3672012.3/30

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.002+/-71.091 χ^2/NDF:7.4/13

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

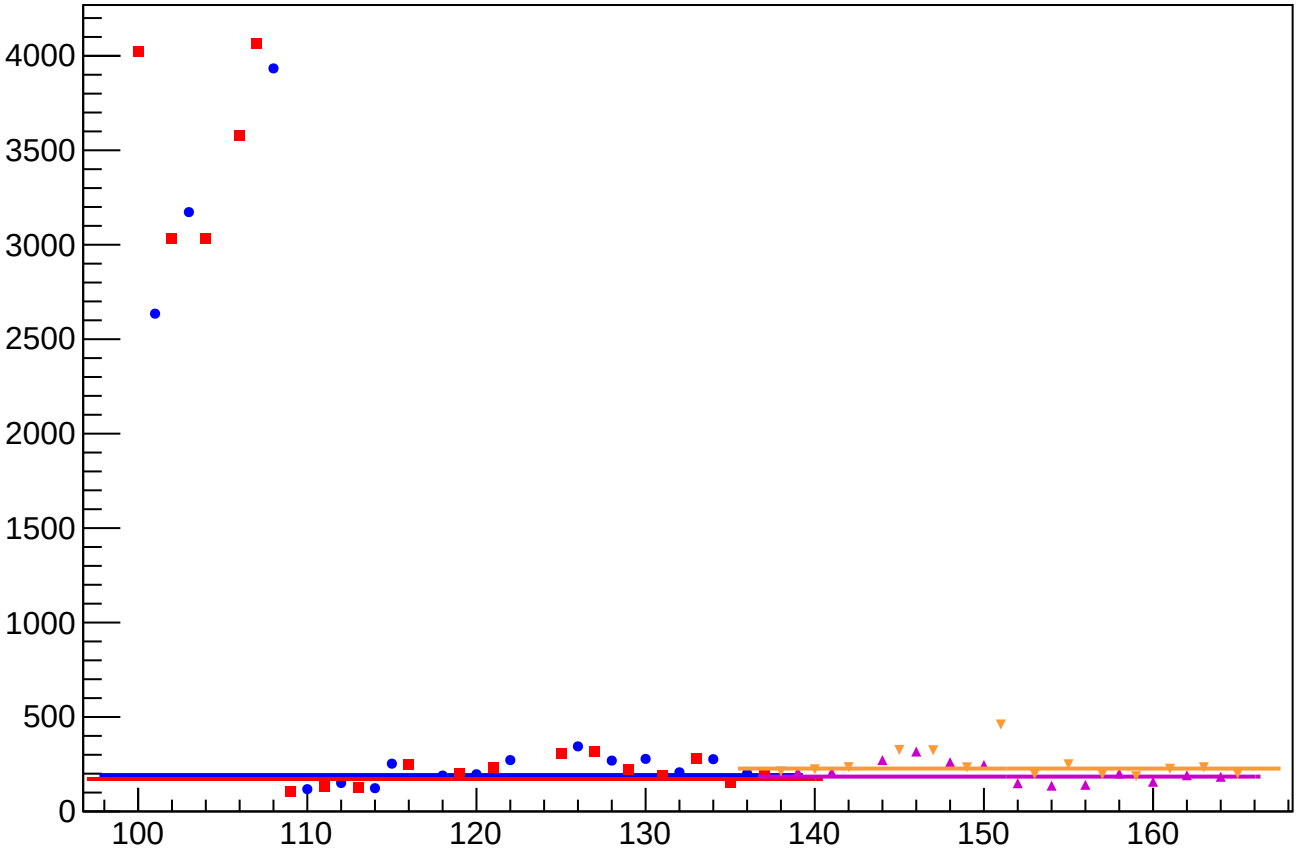
Left In: -149.850+/-59.170 χ^2/NDF:4.8/12

+ sign 62.625+/-54.549 χ^2/NDF: 27.2/29

All: -2.814+/-35.747 χ^2/NDF: 55.3/60

- sign -52.069+/-47.325 χ^2/NDF: 25.6/30

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 227.086+/-0.050 χ^2/NDF:908935.1/13

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

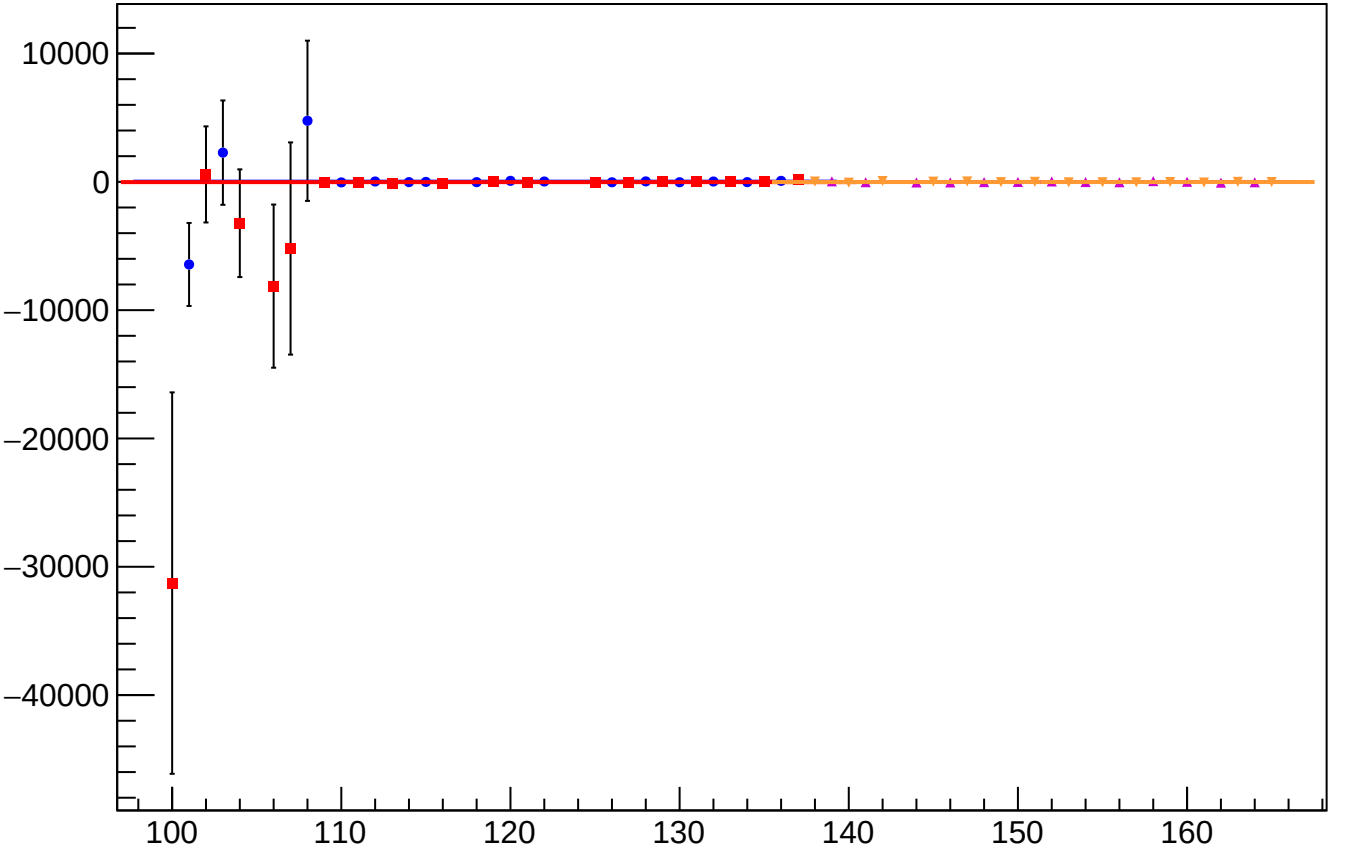
Left In: 184.447+/-0.042 χ^2/NDF:1259604.0/12

+ sign 212.888+/-0.039 χ^2/NDF: 4925717.9/29

All: 194.082+/-0.025 χ^2/NDF: 10882183.5/60

- sign 179.926+/-0.033 χ^2/NDF: 5539813.9/30

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.931+/-9.410 χ^2/NDF:11.4/13

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

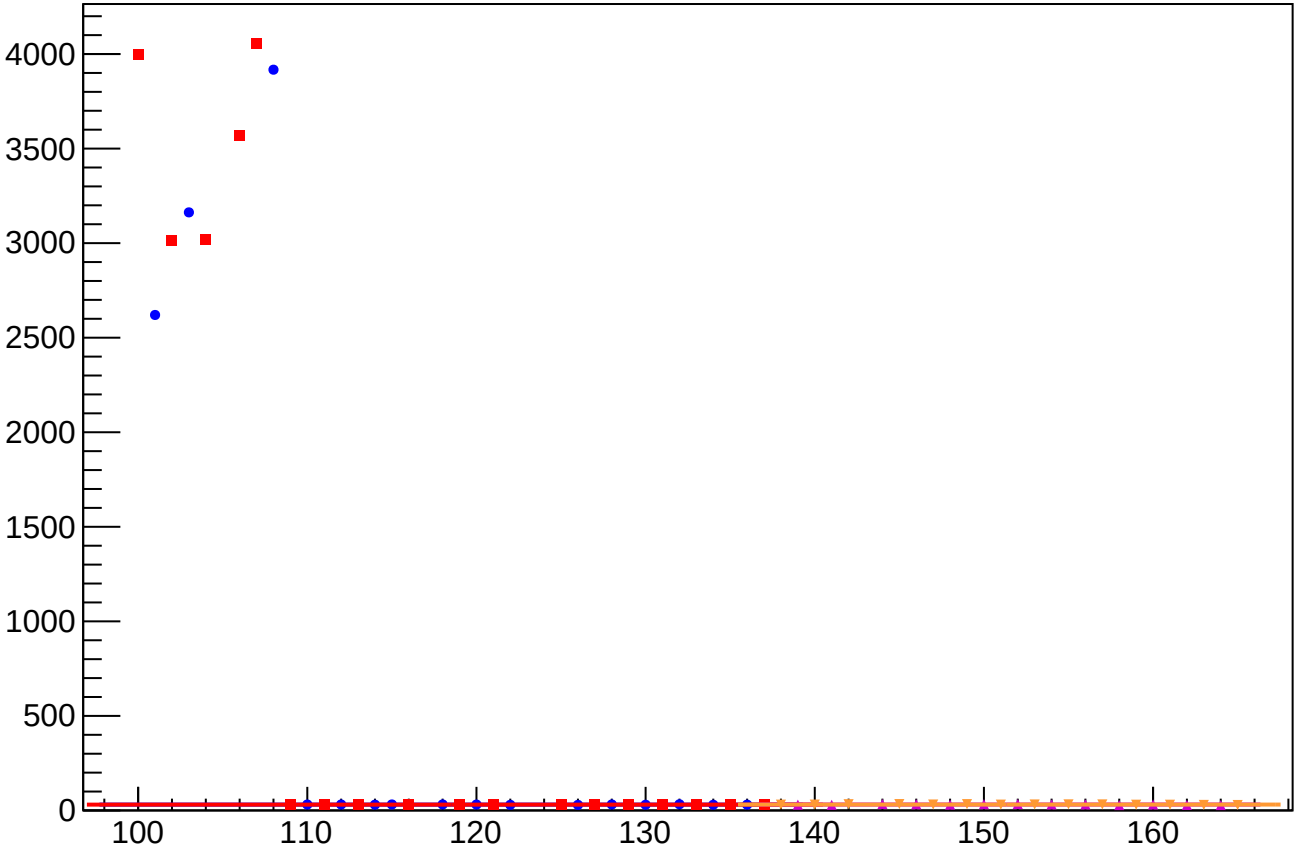
Left In: -10.555+/-9.487 χ^2/NDF:14.0/12

+ sign -5.145+/-7.635 χ^2/NDF: 30.1/29

All: -9.685+/-5.435 χ^2/NDF: 73.6/60

- sign -14.351+/-7.739 χ^2/NDF: 42.9/30

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.151+/-0.007 χ^2/NDF:40979.7/13

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

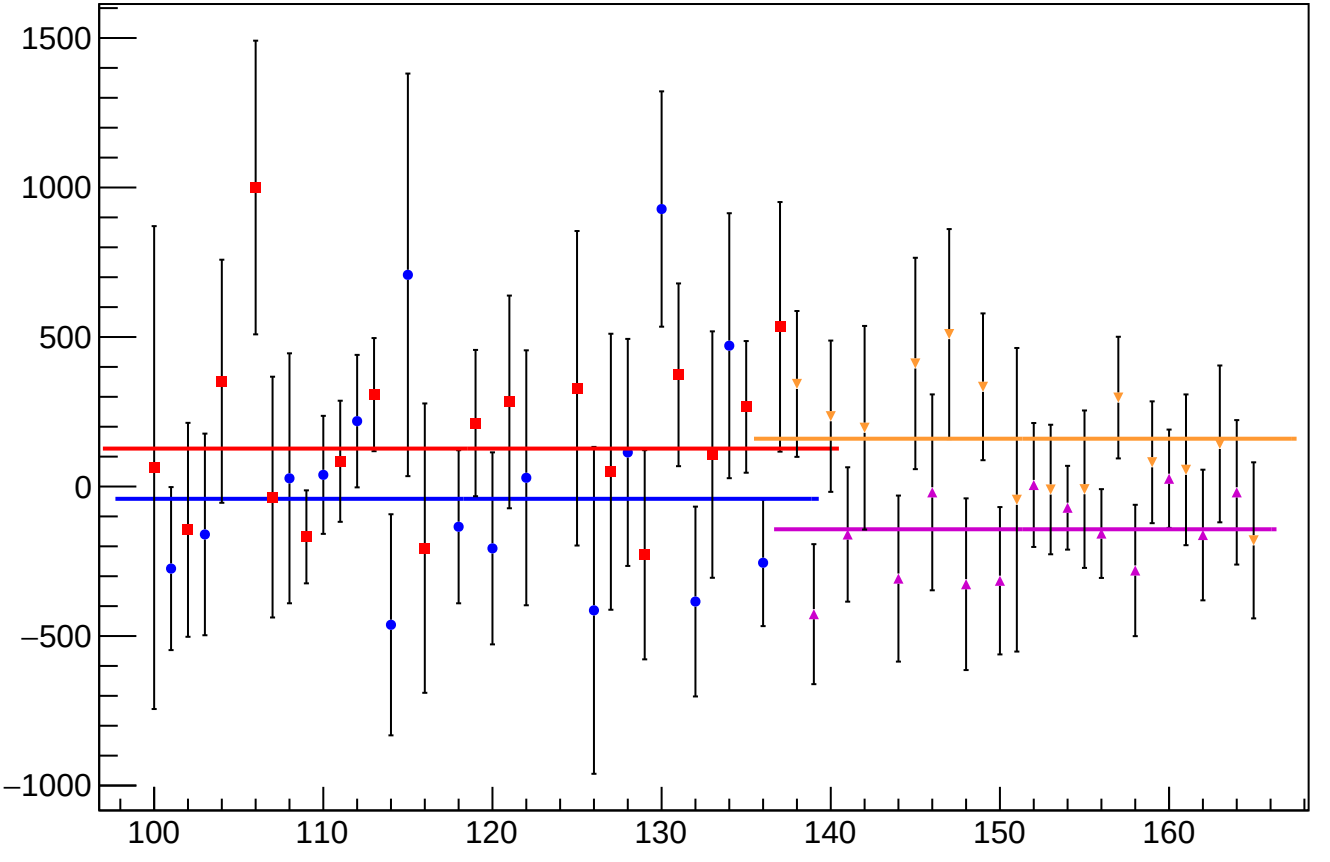
Left In: 31.304+/-0.007 χ^2/NDF:74911.5/12

+ sign 31.075+/-0.005 χ^2/NDF: 3293969.6/29

All: 31.105+/-0.004 χ^2/NDF: 6906760.4/60

- sign 31.137+/-0.005 χ^2/NDF: 3612726.4/30

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 159.906+/-69.568 χ^2/NDF:6.3/13

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

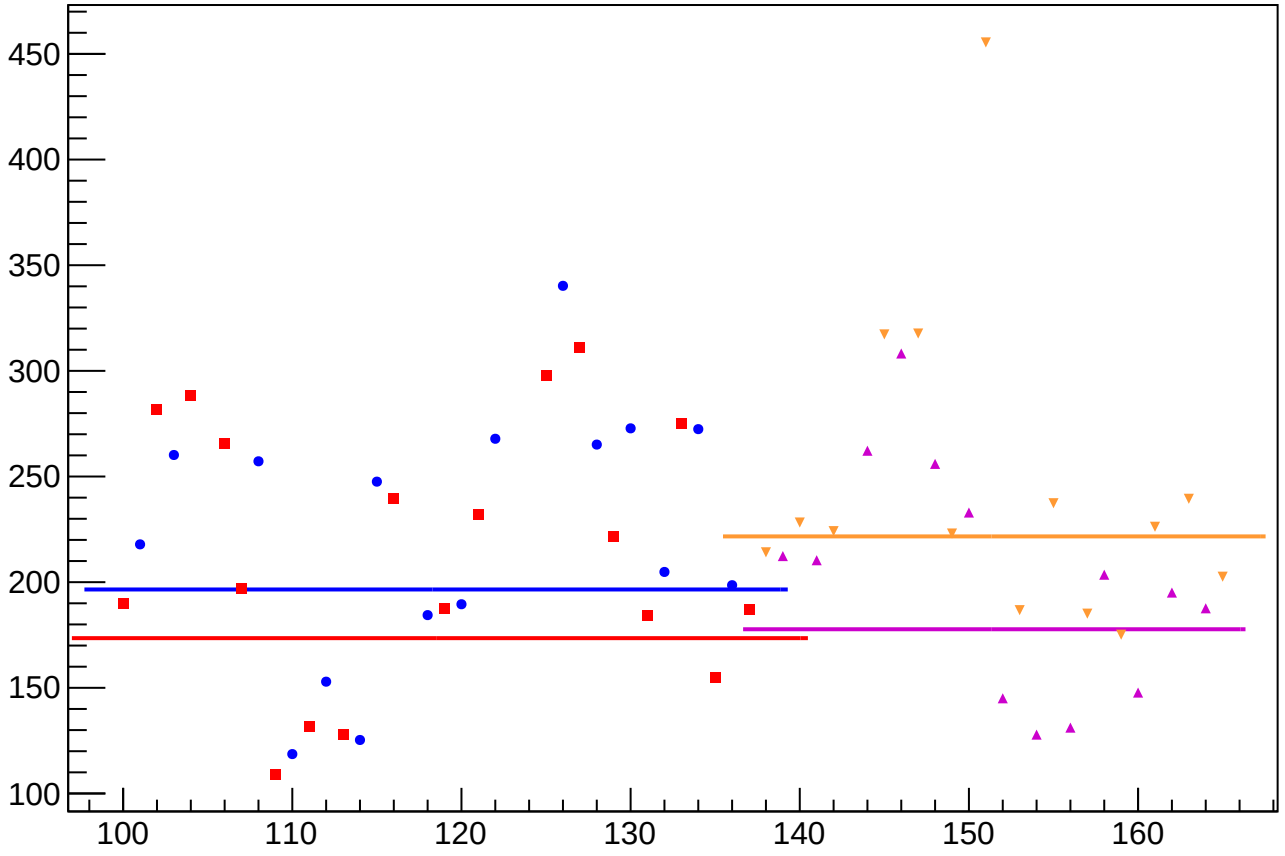
Left In: -142.956+/-57.322 χ^2/NDF:5.4/12

+ sign 69.742+/-51.662 χ^2/NDF: 25.7/29

All: 10.132+/-33.582 χ^2/NDF: 55.1/60

- sign -33.484+/-44.191 χ^2/NDF: 27.1/30

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.657+/-0.049 χ^2/NDF:971881.0/13

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

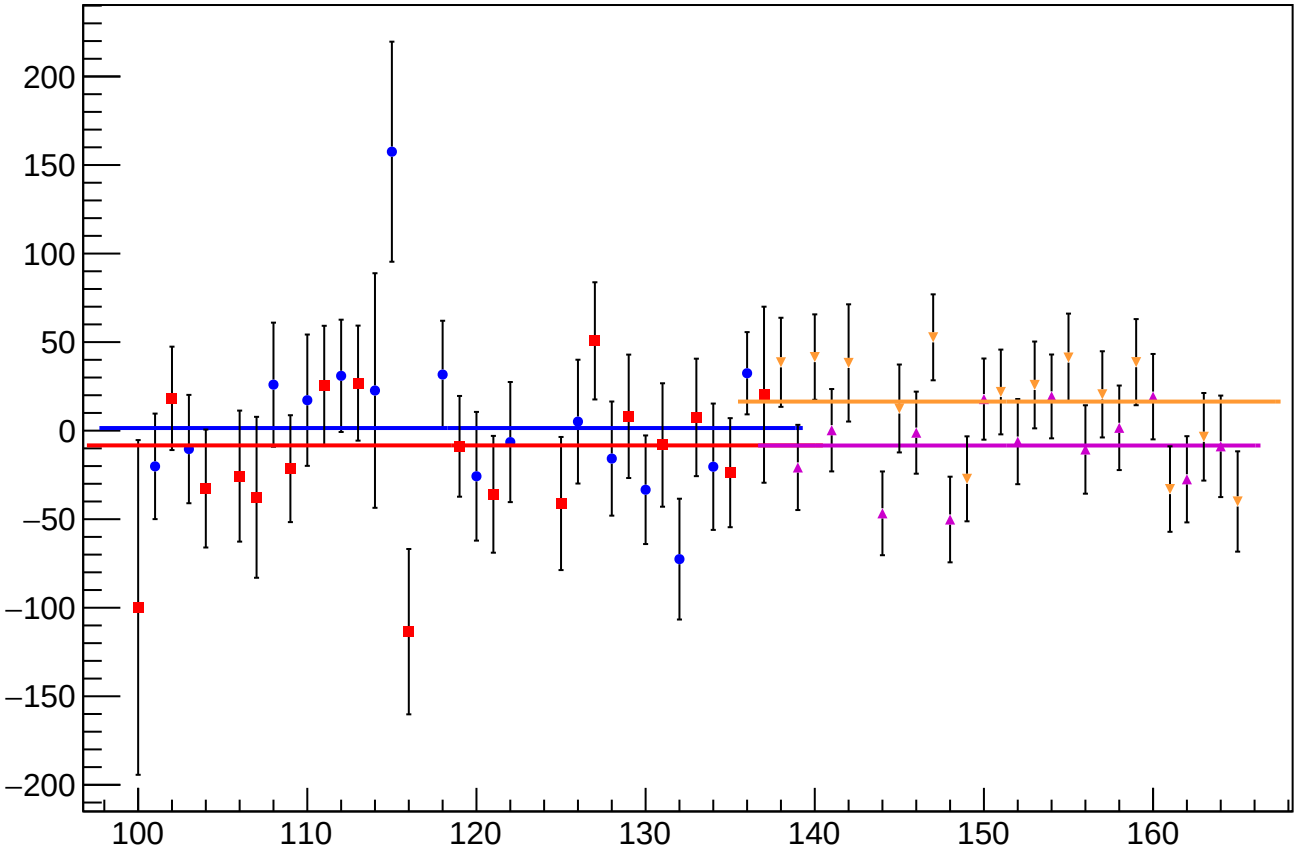
Left In: 177.717+/-0.041 χ^2/NDF:1447392.0/12

+ sign 210.392+/-0.037 χ^2/NDF: 2089566.6/29

All: 190.538+/-0.024 χ^2/NDF: 5585602.5/60

- sign 176.010+/-0.031 χ^2/NDF: 2984483.6/30

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 16.420+/-6.700 χ^2/NDF:18.7/13

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

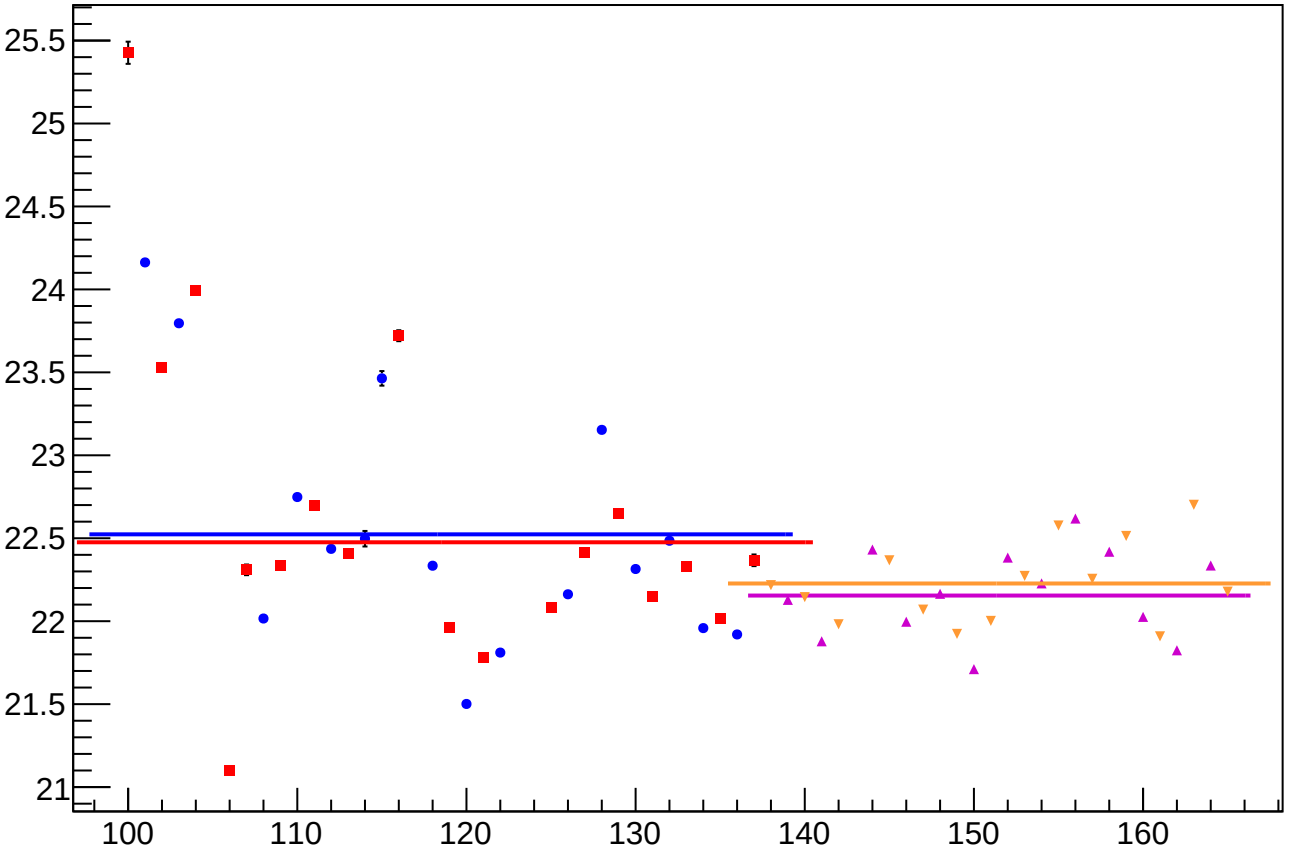
Left In: -8.392+/-6.690 χ^2/NDF:10.9/12

+ sign 10.584+/-5.231 χ^2/NDF: 39.3/29

All: 1.063+/-3.690 χ^2/NDF: 72.9/60

- sign -8.367+/-5.205 χ^2/NDF: 26.9/30

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.227+/-0.005 χ^2/NDF:2554.5/13

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

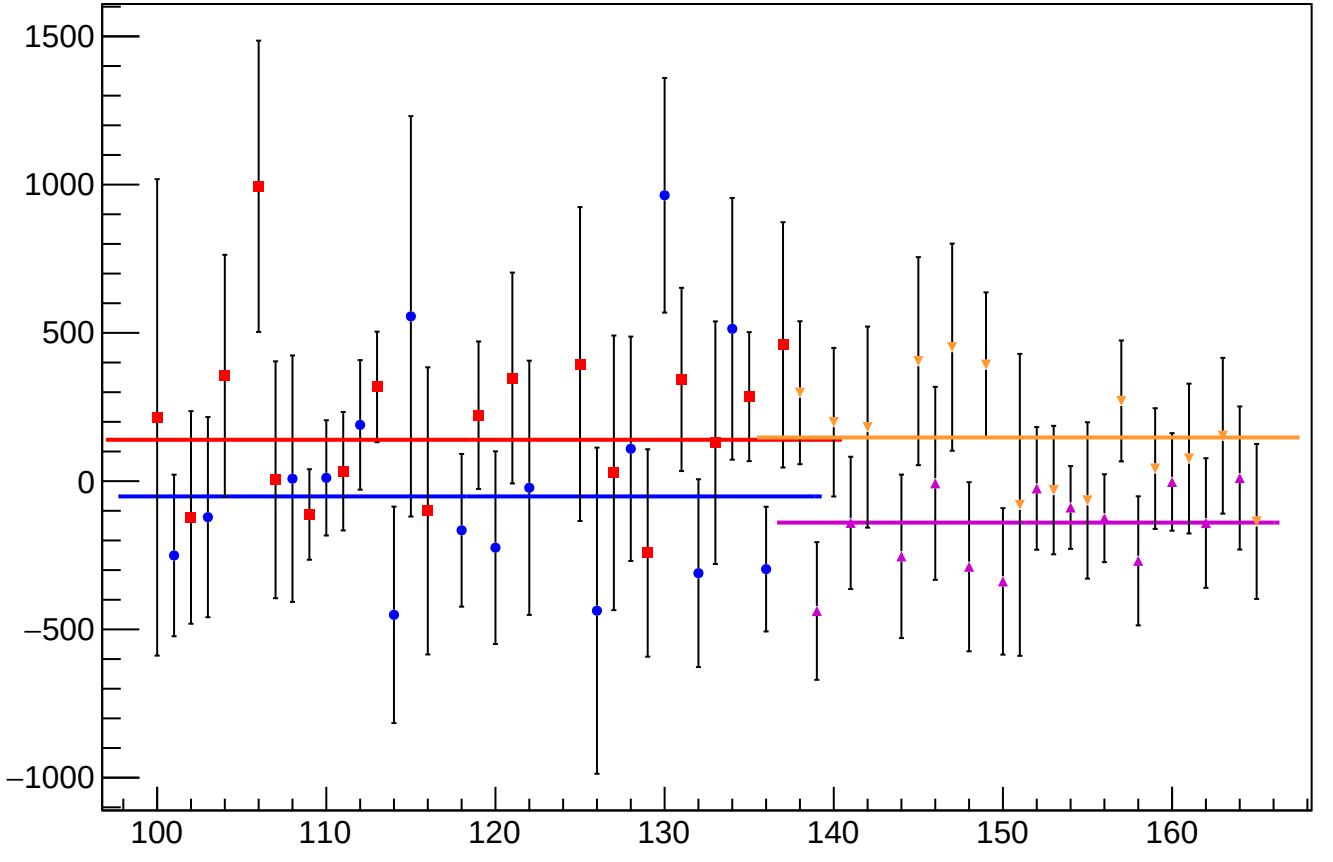
Left In: 22.155+/-0.005 χ^2/NDF:3041.5/12

+ sign 22.343+/-0.004 χ^2/NDF: 20029.6/29

All: 22.312+/-0.003 χ^2/NDF: 40565.5/60

- sign 22.281+/-0.004 χ^2/NDF: 20396.1/30

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 147.219+/-69.413 χ^2/NDF:6.2/13

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

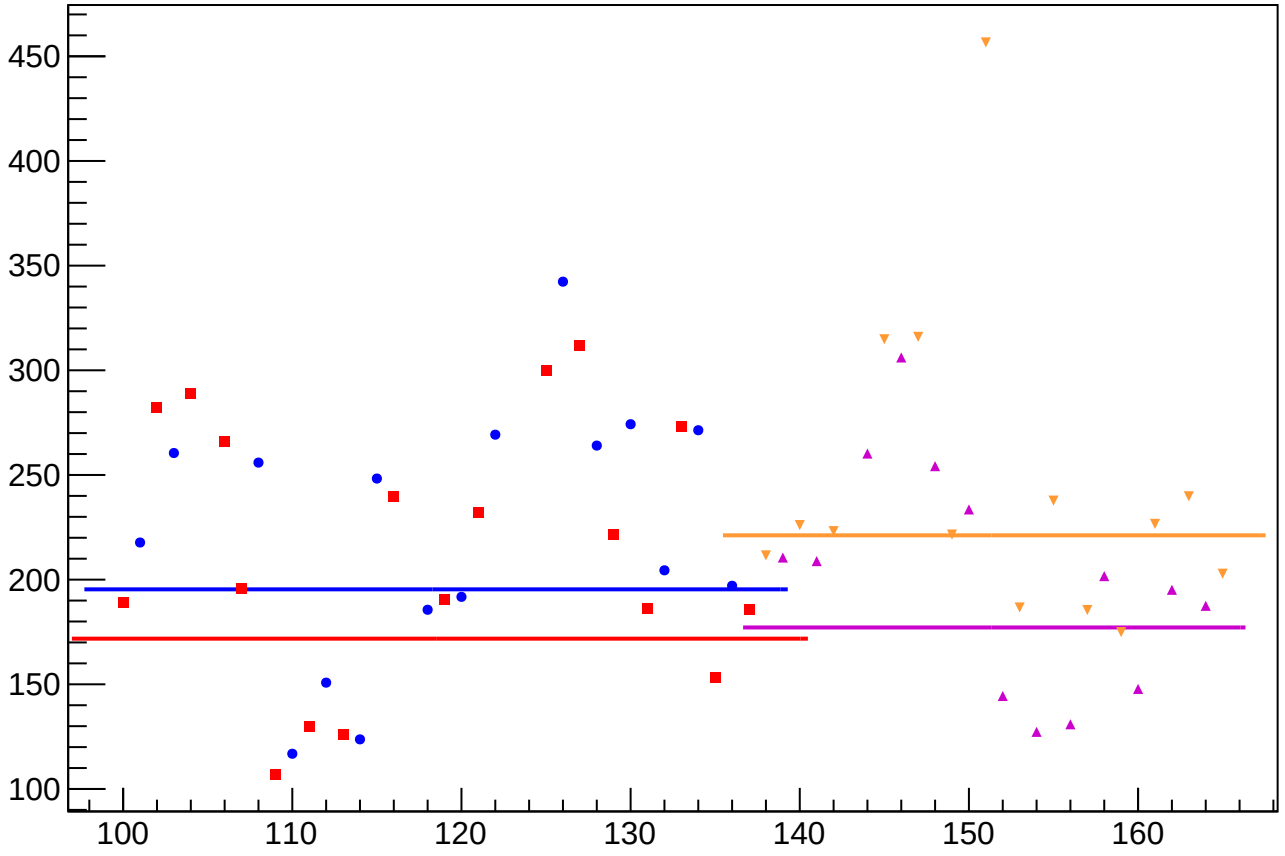
Left In: -139.744+/-57.137 χ^2/NDF:4.8/12

\+ sign 57.875+/-51.496 χ^2/NDF: 25.2/29

All: 9.422+/-33.443 χ^2/NDF: 52.8/60

\- sign -25.917+/-43.979 χ^2/NDF: 26.1/30

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 221.167+/-0.049 χ^2/NDF:965624.9/13

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

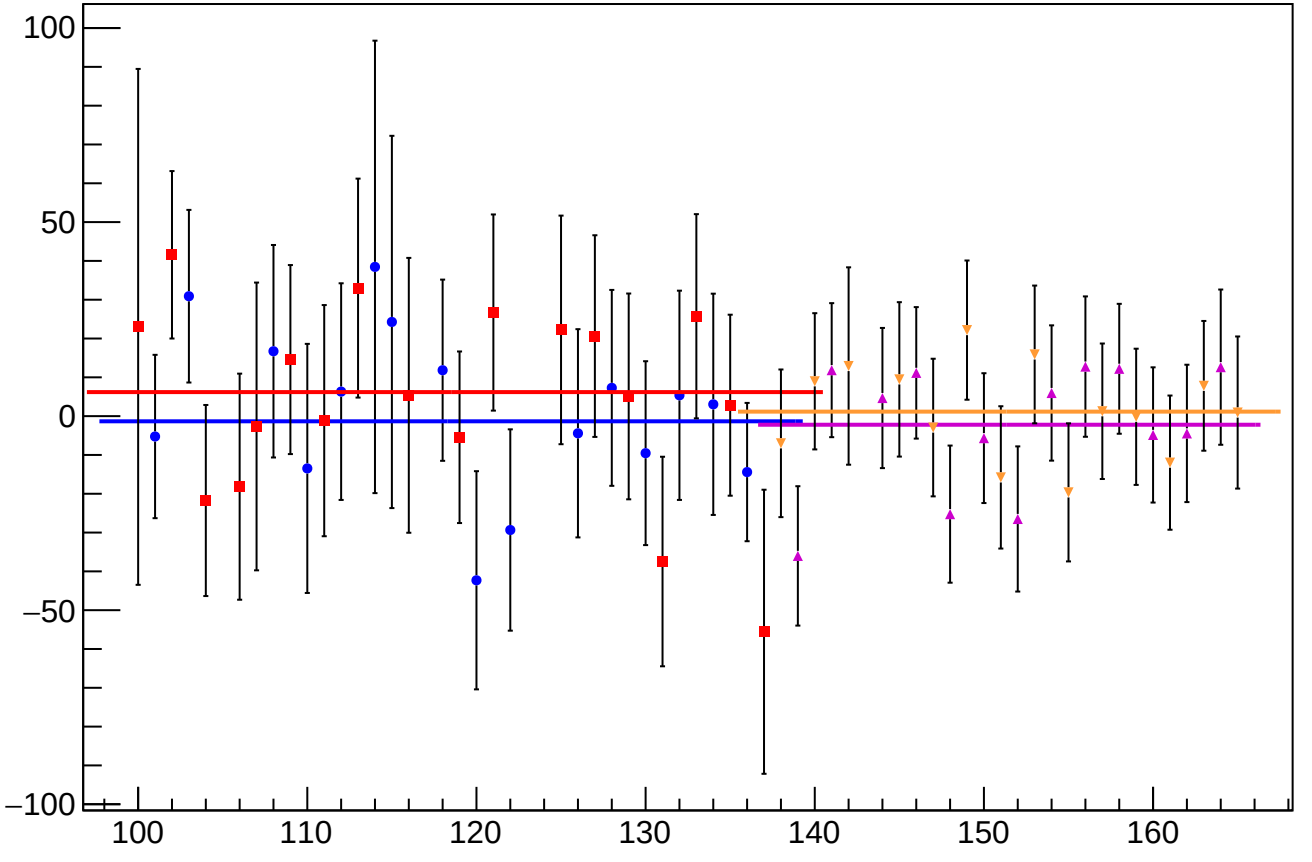
Left In: 177.151+/-0.040 χ^2/NDF:1434158.5/12

+ sign 209.564+/-0.036 χ^2/NDF: 2131347.3/29

All: 189.561+/-0.024 χ^2/NDF: 5695160.3/60

- sign 174.972+/-0.031 χ^2/NDF: 3041958.2/30

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.164+/-4.895 χ^2/NDF:5.8/13

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

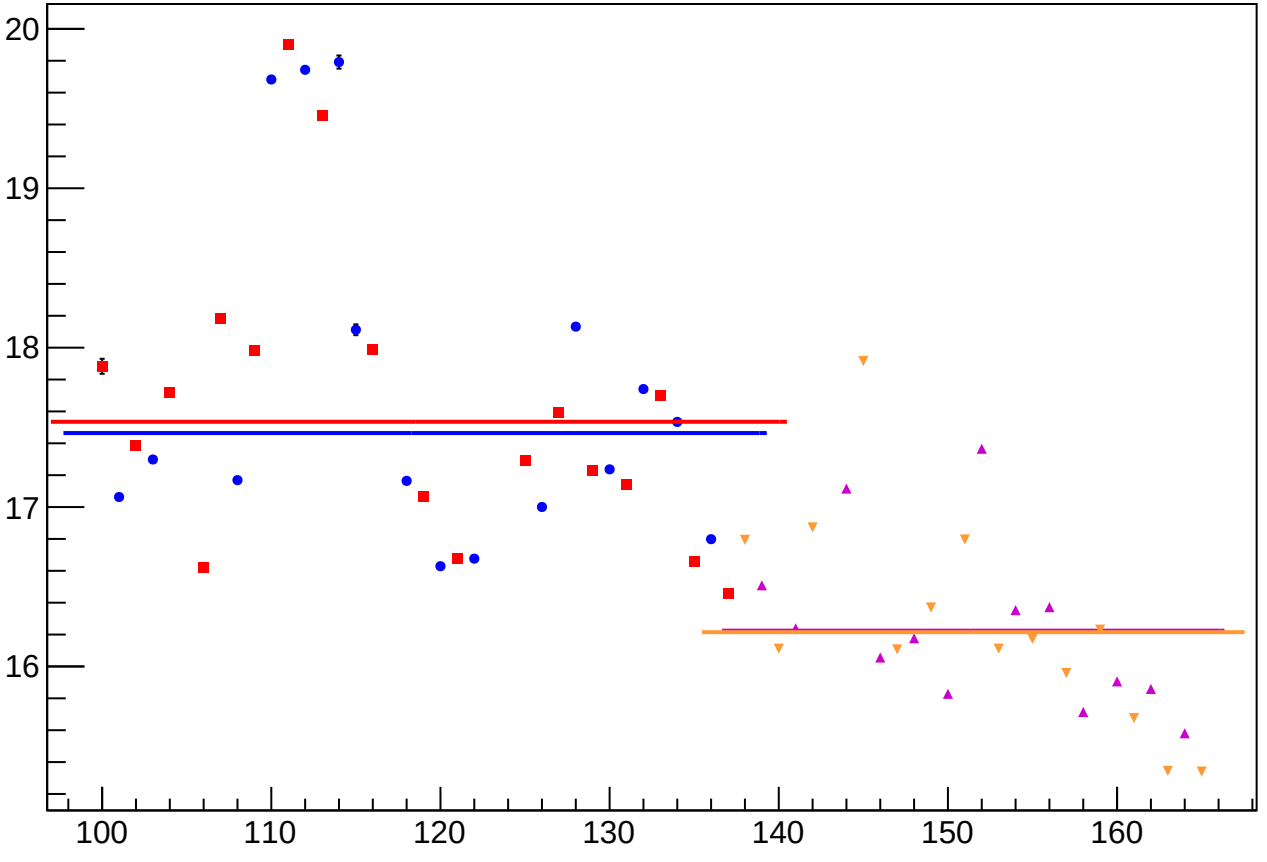
Left In: -2.216+/-4.906 χ^2/NDF:10.6/12

+ sign 0.261+/-3.910 χ^2/NDF: 14.0/29

All: 0.557+/-2.765 χ^2/NDF: 39.1/60

- sign 0.853+/-3.910 χ^2/NDF: 25.2/30

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.215+/-0.003 χ^2/NDF:31971.4/13

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

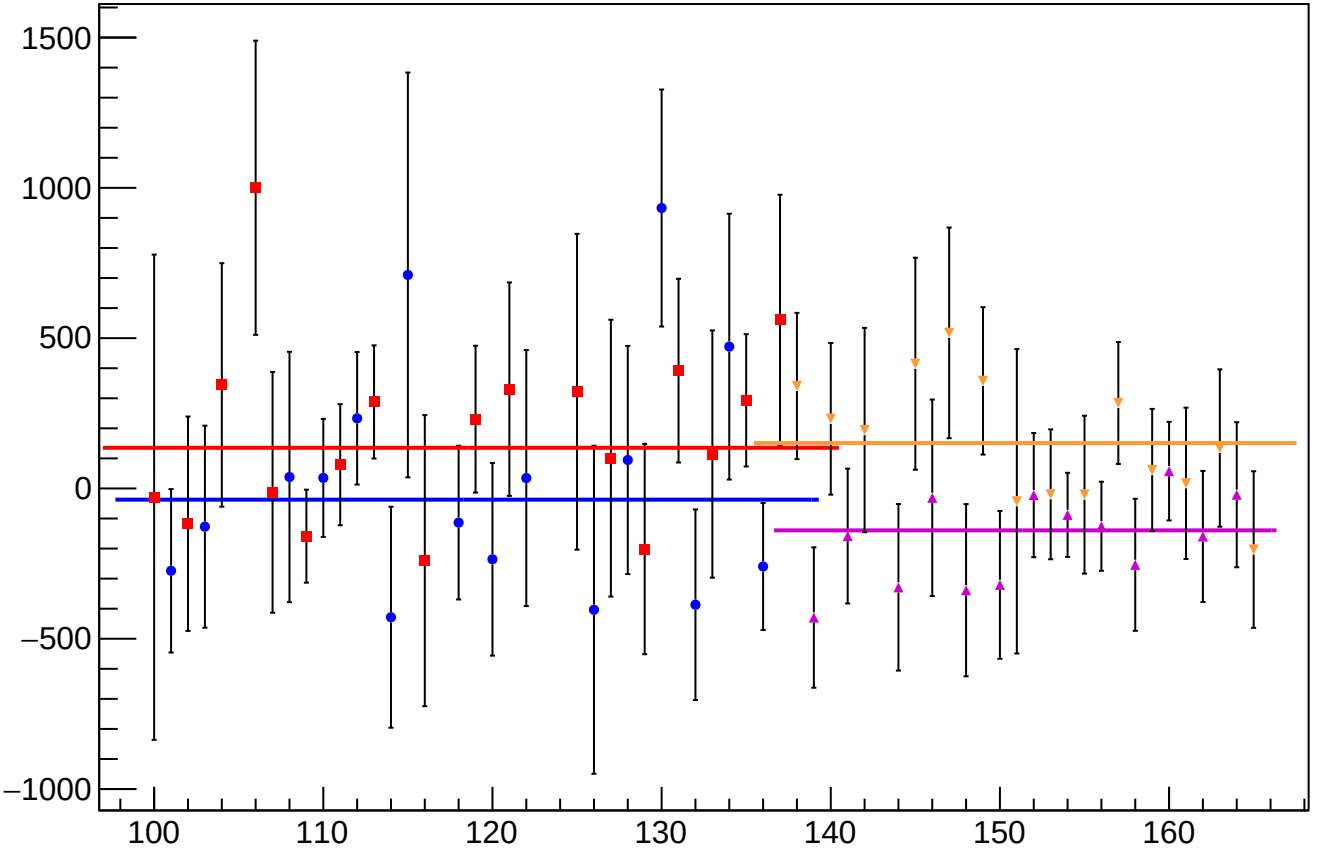
Left In: 16.225+/-0.003 χ^2/NDF:19849.2/12

+ sign 16.667+/-0.003 χ^2/NDF: 115777.2/29

All: 16.685+/-0.002 χ^2/NDF: 222251.8/60

- sign 16.703+/-0.003 χ^2/NDF: 106391.8/30

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 151.011+/-69.415 χ^2/NDF:7.1/13

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

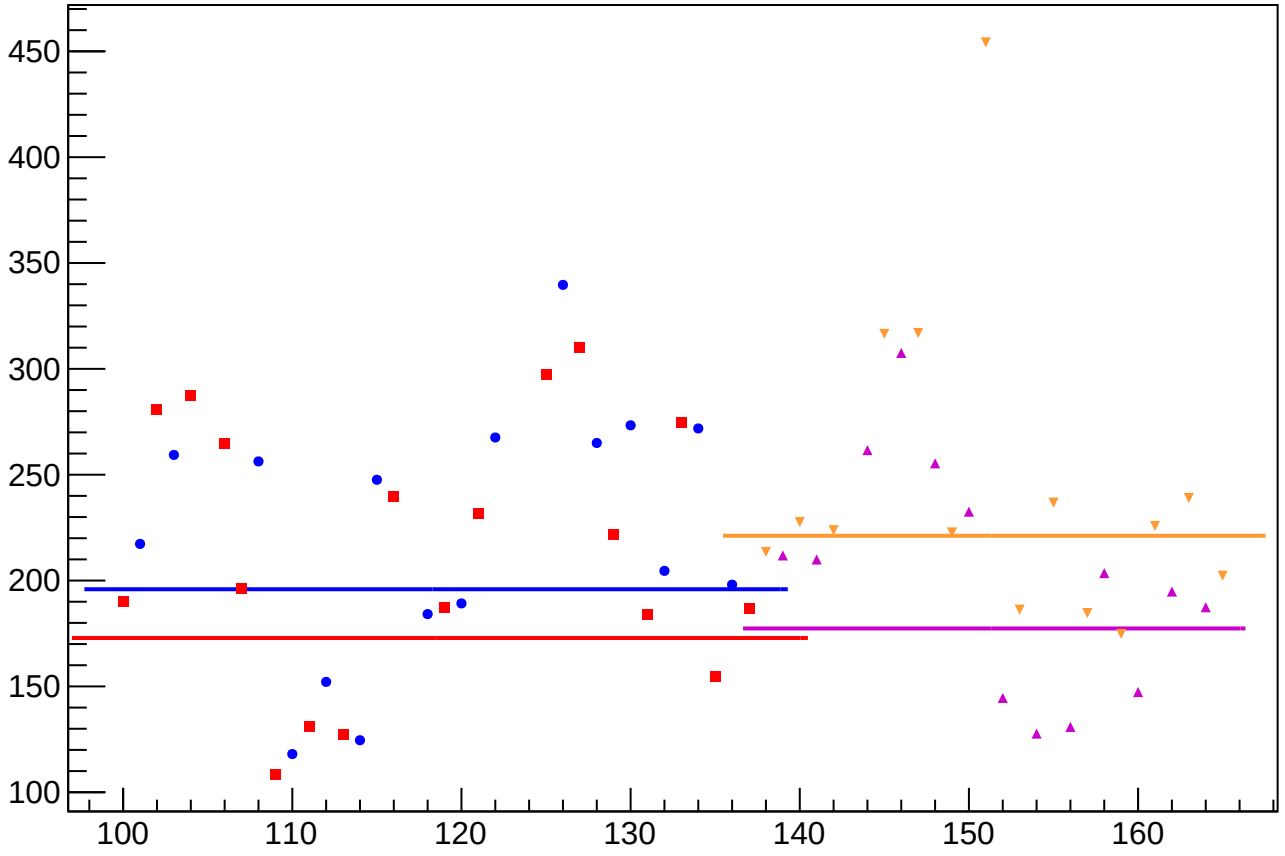
Left In: -139.435+/-57.212 χ^2/NDF:5.6/12

+ sign 66.508+/-51.532 χ^2/NDF: 26.0/29

All: 12.042+/-33.498 χ^2/NDF: 55.7/60

- sign -27.816+/-44.083 χ^2/NDF: 27.8/30

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.172+/-0.049 χ^2/NDF:971590.1/13

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

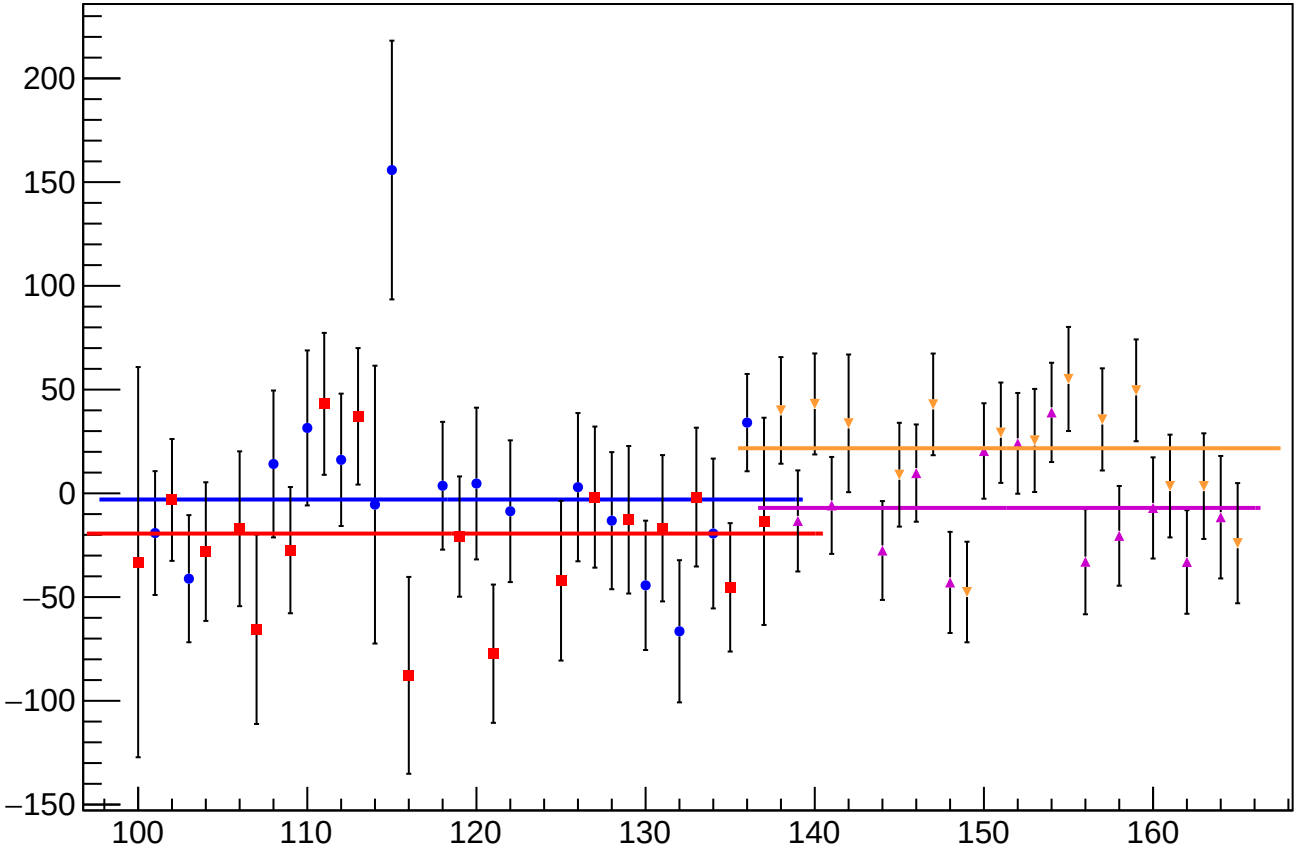
Left In: 177.375+/-0.040 χ^2/NDF:1447922.4/12

+ sign 209.828+/-0.036 χ^2/NDF: 2101606.8/29

All: 190.032+/-0.024 χ^2/NDF: 5608935.8/60

- sign 175.546+/-0.031 χ^2/NDF: 2996213.1/30

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 21.743+/-6.793 χ^2/NDF:17.6/13

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

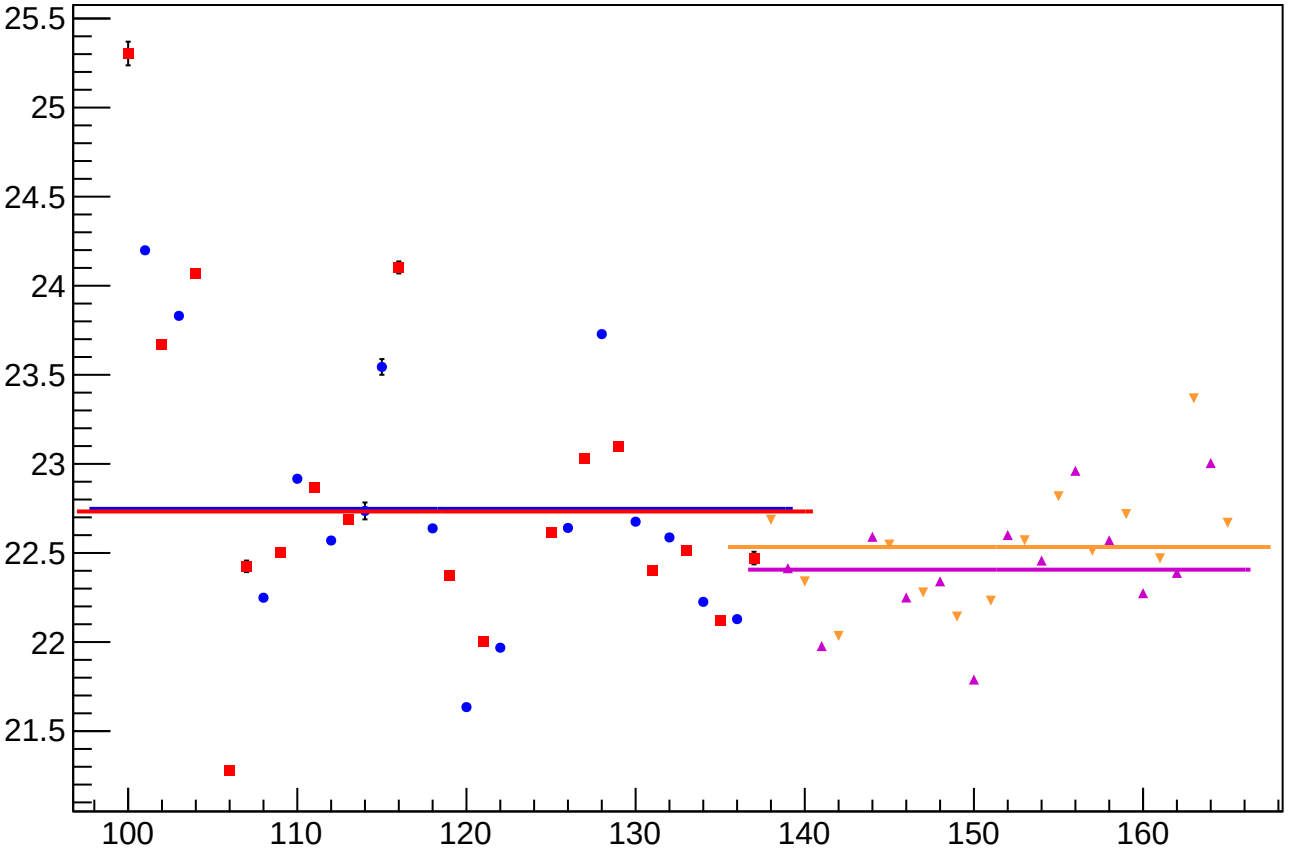
Left In: -7.022+/-6.767 χ^2/NDF:12.7/12

+ sign 12.048+/-5.295 χ^2/NDF: 40.8/29

All: 0.005+/-3.734 χ^2/NDF: 79.6/60

- sign -11.902+/-5.265 χ^2/NDF: 28.6/30

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.533+/-0.005 χ^2/NDF:4278.4/13

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

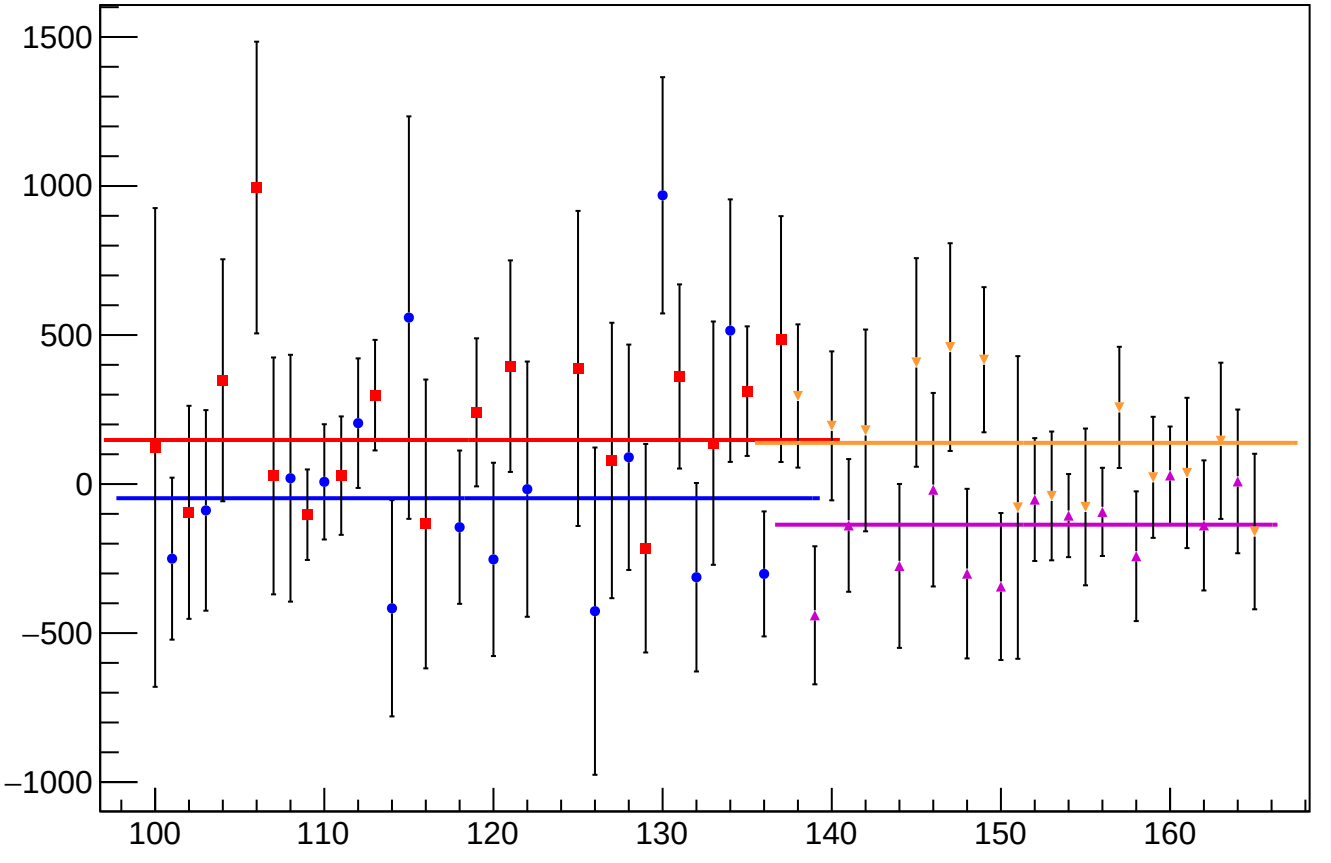
Left In: 22.406+/-0.005 χ^2/NDF:4406.8/12

\+ sign 22.617+/-0.004 χ^2/NDF: 19679.8/29

All: 22.576+/-0.003 χ^2/NDF: 40556.5/60

\- sign 22.535+/-0.004 χ^2/NDF: 20634.4/30

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 138.254+/-69.260 χ^2/NDF:6.9/13

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

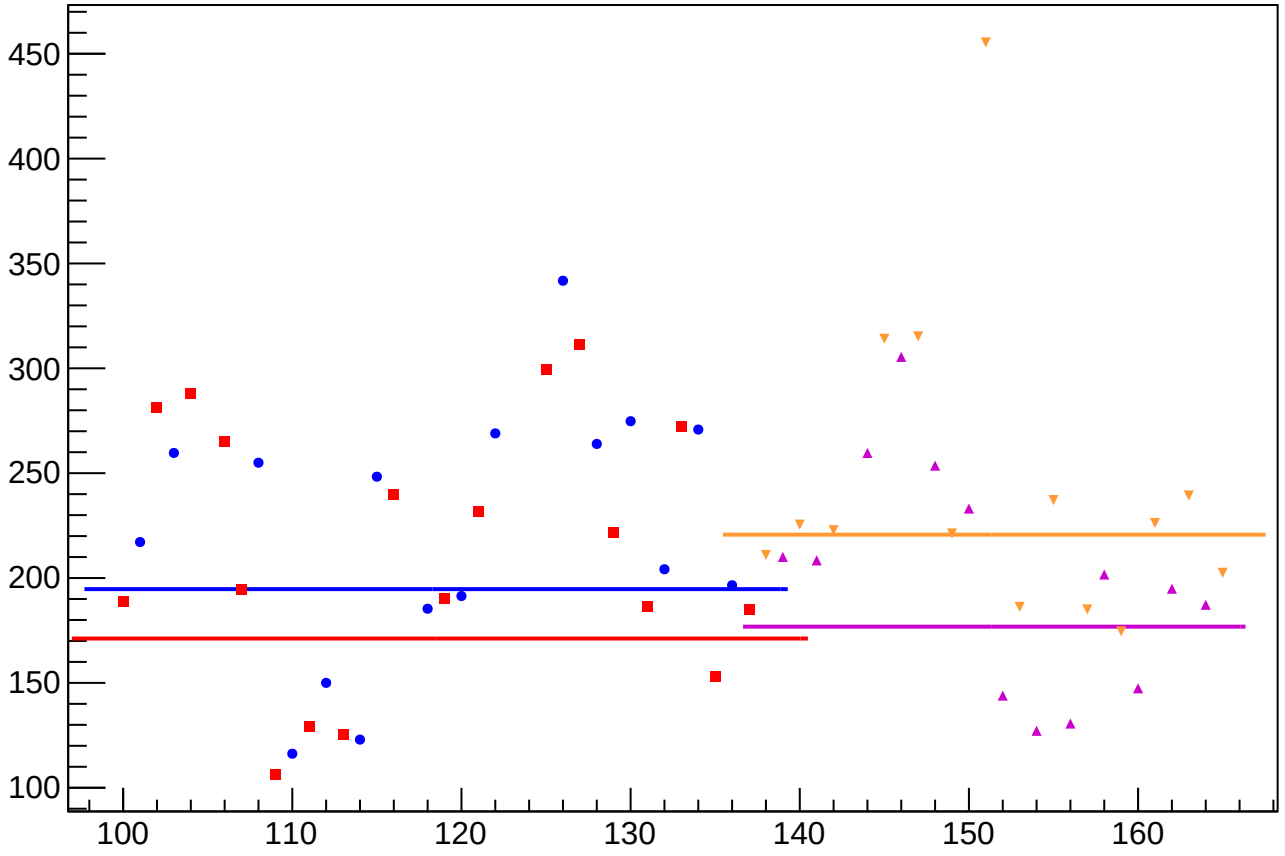
Left In: -136.323+/-57.027 χ^2/NDF:5.1/12

+ sign 54.656+/-51.365 χ^2/NDF: 25.5/29

All: 11.298+/-33.359 χ^2/NDF: 53.5/60

- sign -20.329+/-43.869 χ^2/NDF: 26.7/30

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 220.683+/-0.049 χ^2/NDF:965338.8/13

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

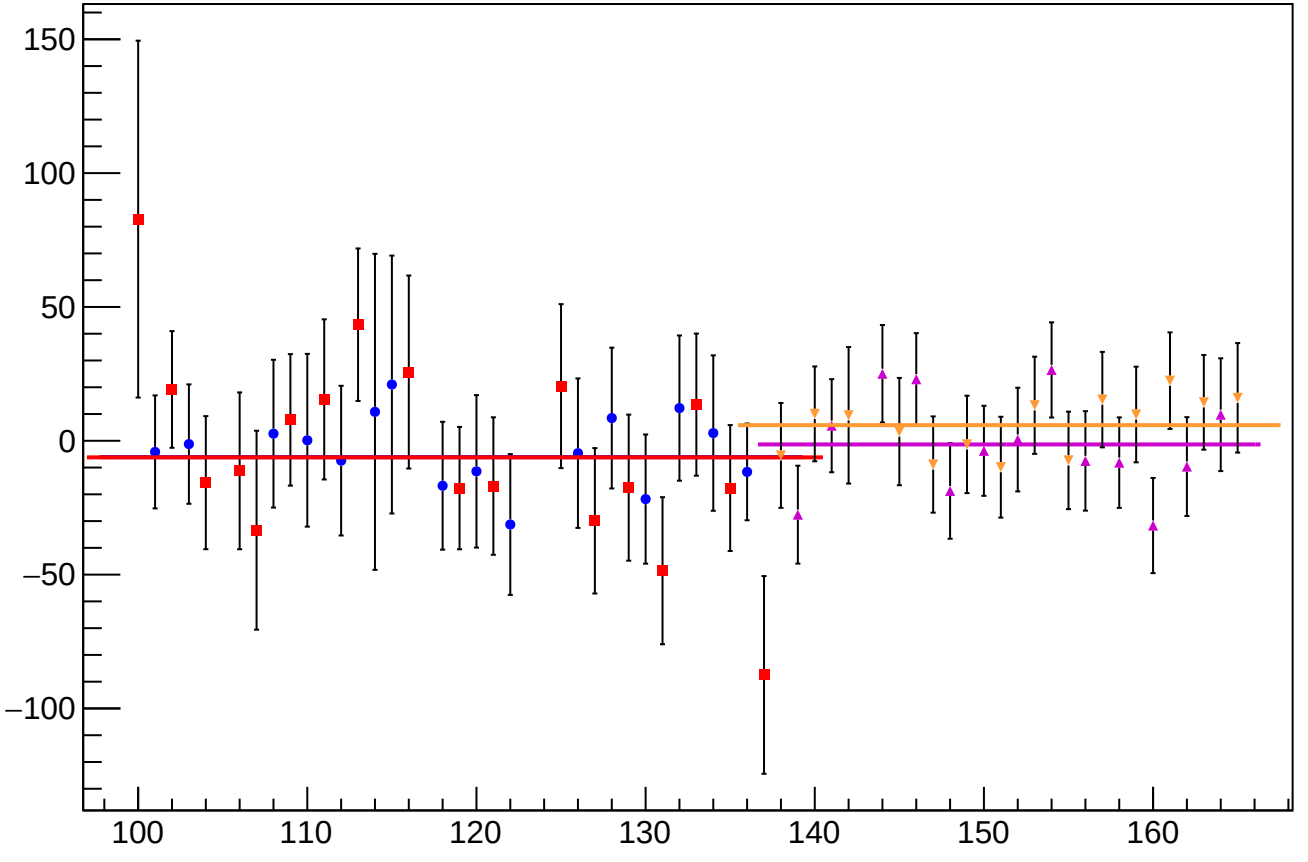
Left In: 176.812+/-0.040 χ^2/NDF:1434578.4/12

+ sign 208.995+/-0.036 χ^2/NDF: 2144217.2/29

All: 189.051+/-0.024 χ^2/NDF: 5720223.6/60

- sign 174.503+/-0.031 χ^2/NDF: 3054543.7/30

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.843+/-5.016 χ^2/NDF:4.3/13

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

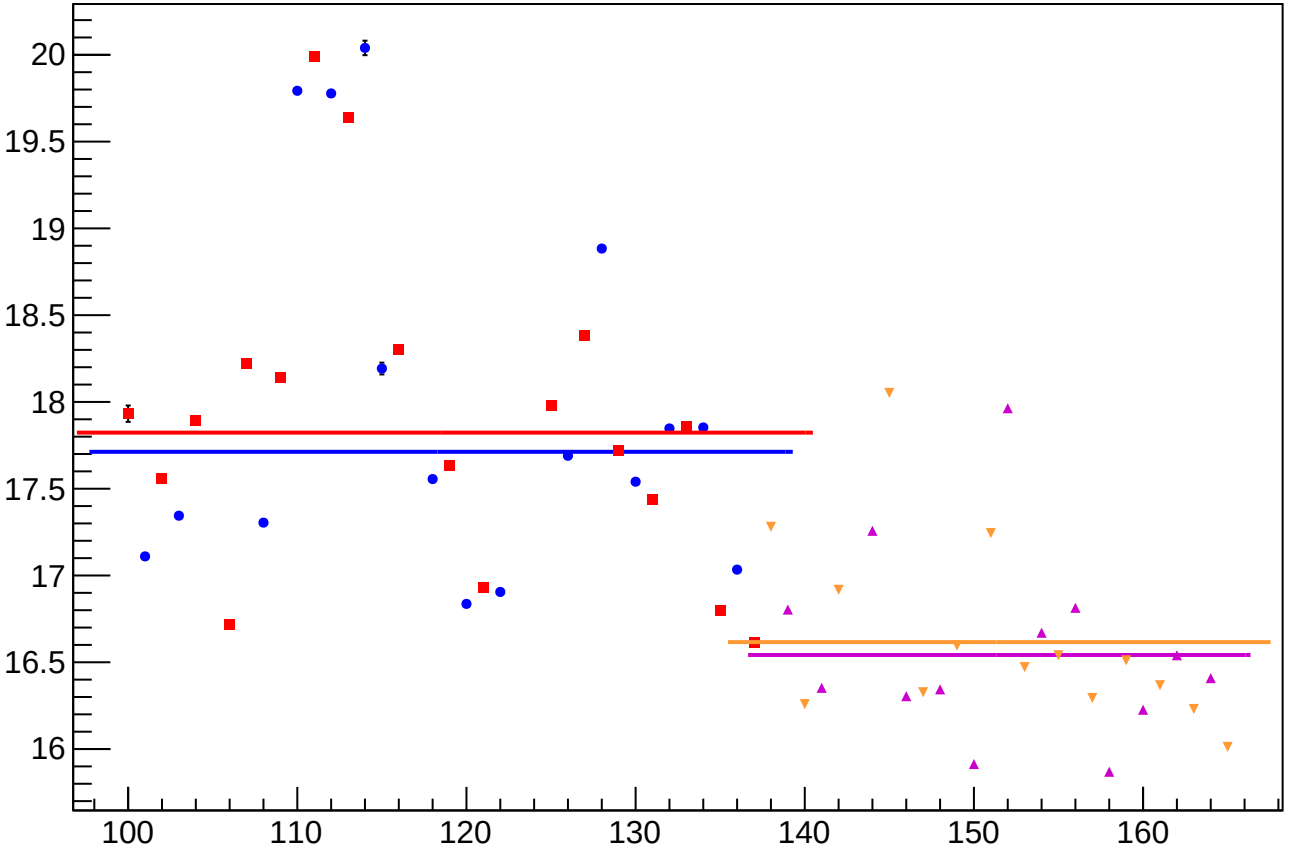
Left In: -1.366+/-5.004 χ^2/NDF:13.4/12

+ sign 1.457+/-3.992 χ^2/NDF: 9.5/29

All: -0.844+/-2.820 χ^2/NDF: 42.6/60

- sign -3.135+/-3.983 χ^2/NDF: 32.4/30

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.616+/-0.004 χ^2/NDF:20350.7/13

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

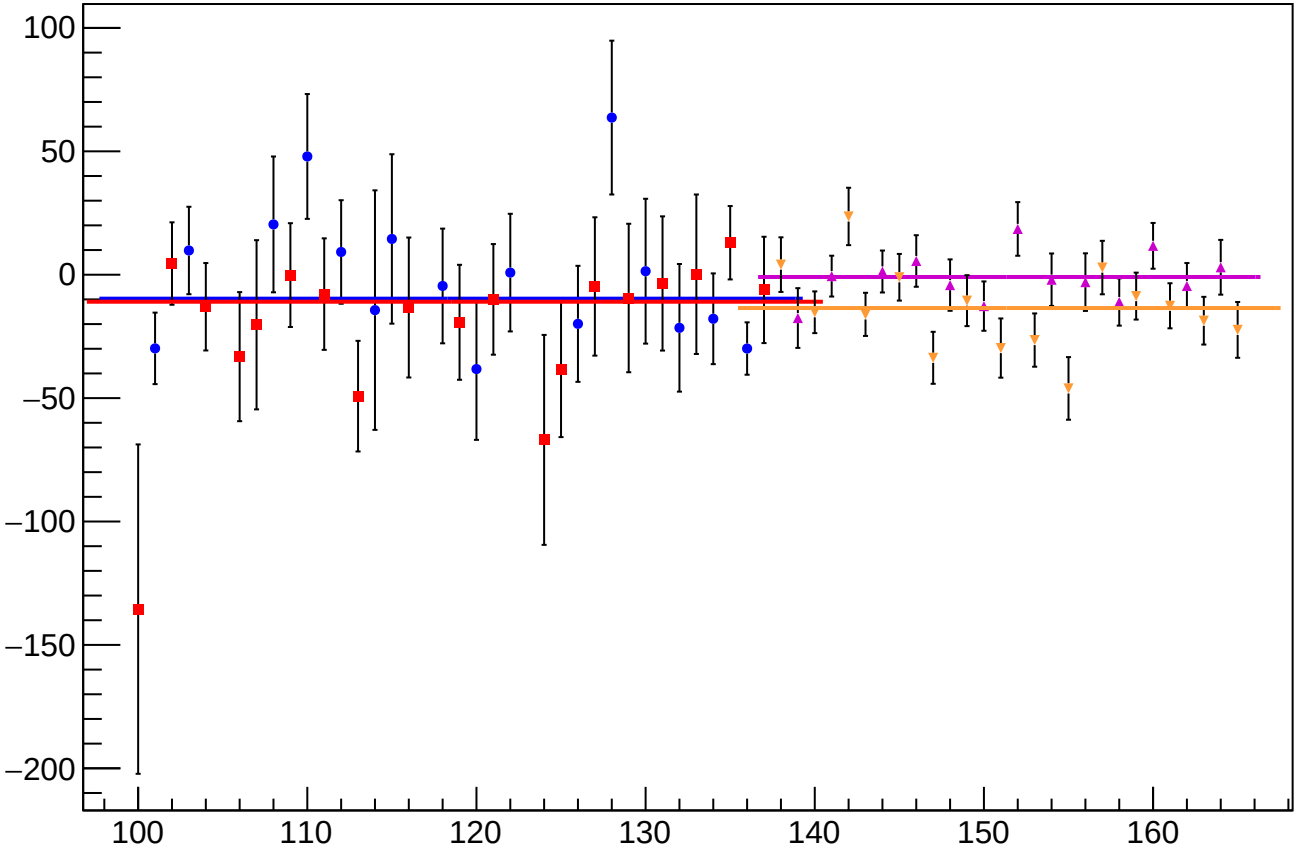
Left In: 16.542+/-0.004 χ^2/NDF:22340.1/12

+ sign 17.018+/-0.003 χ^2/NDF: 91376.7/29

All: 17.015+/-0.002 χ^2/NDF: 194257.7/60

- sign 17.011+/-0.003 χ^2/NDF: 102878.0/30

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -13.497+/-2.635 χ^2/NDF:31.7/14

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

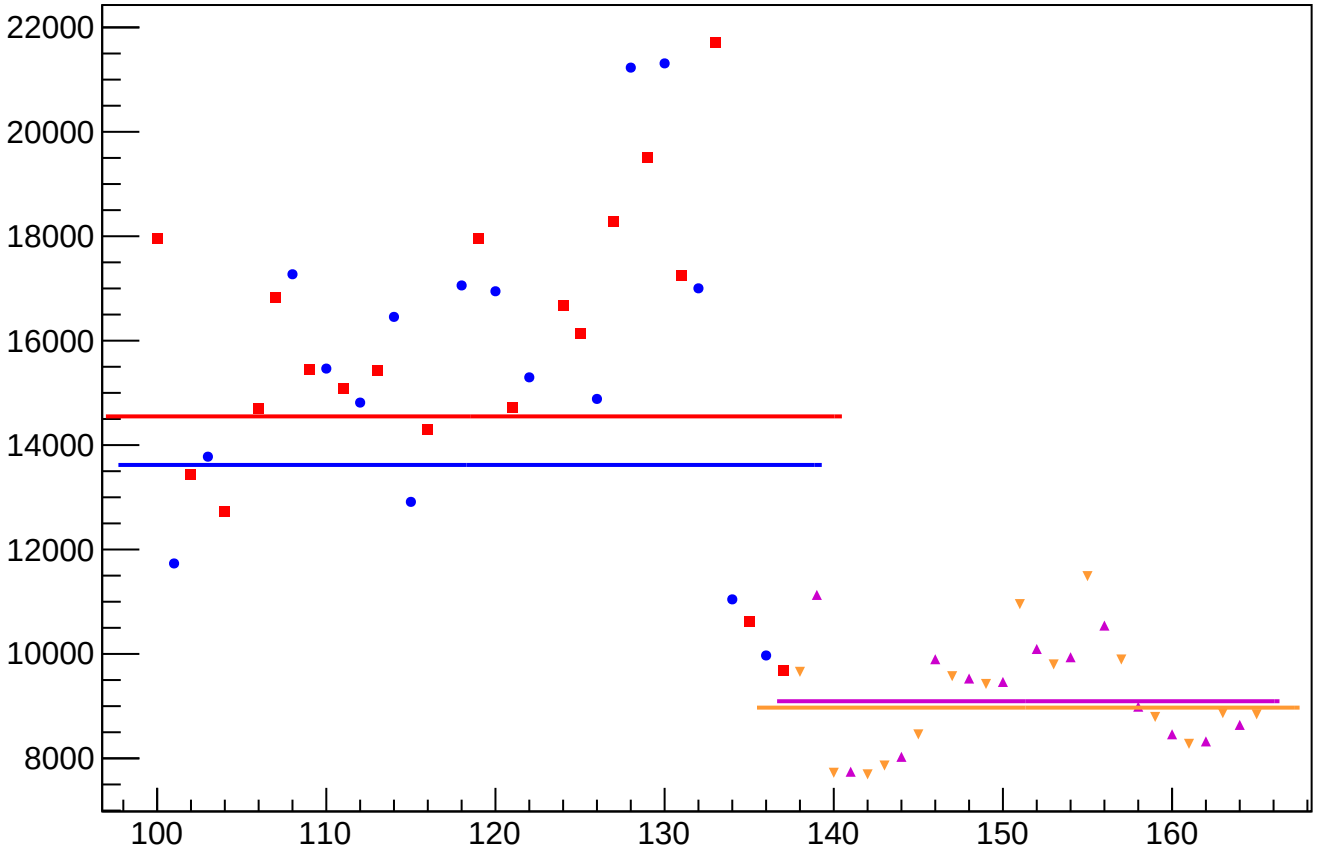
Left In: -0.920+/-2.767 χ^2/NDF:10.3/12

+ sign -12.729+/-2.353 χ^2/NDF: 54.1/30

All: -8.084+/-1.702 χ^2/NDF: 89.4/62

- sign -2.982+/-2.466 χ^2/NDF: 27.1/31

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8971.739+/-1.863 χ^2/NDF:296149.7/14

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

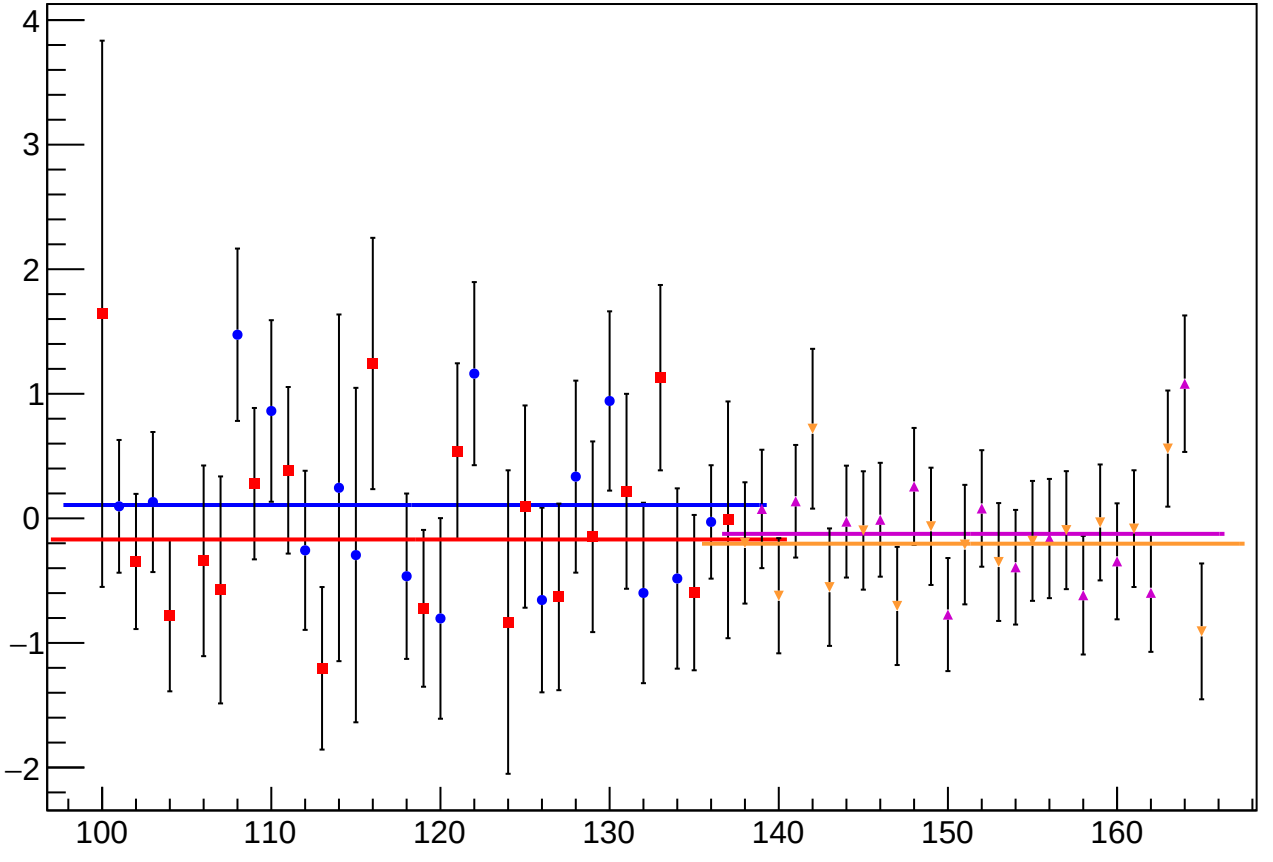
Left In: 9094.299+/-1.957 χ^2/NDF:246393.7/12

+ sign 9912.142+/-1.664 χ^2/NDF: 2302570.2/30

All: 10057.446+/-1.204 χ^2/NDF: 4720471.7/6

- sign 10217.054+/-1.744 χ^2/NDF: 2401898.4/31

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.203+/-0.125 χ^2/NDF:9.4/14

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

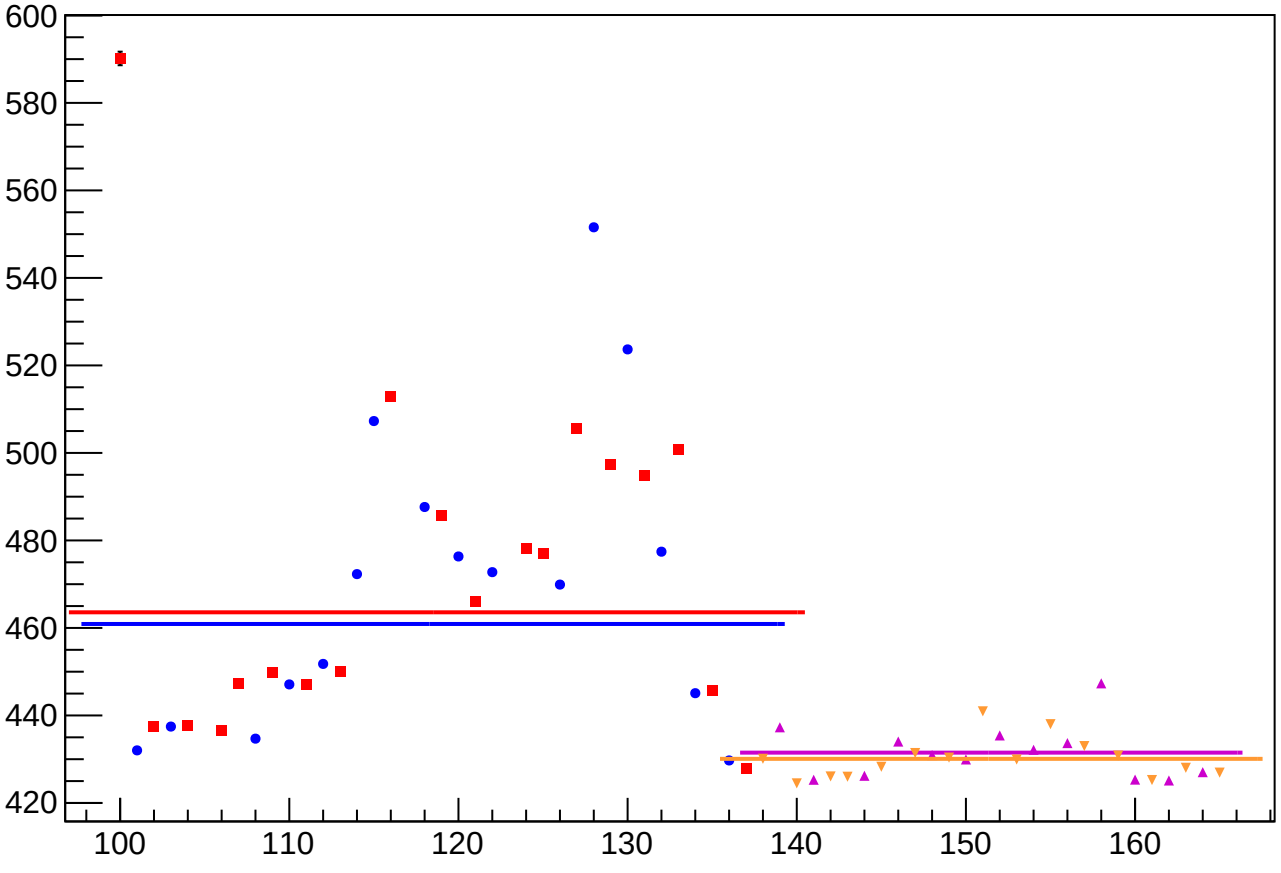
Left In: -0.124+/-0.130 χ^2/NDF:11.0/12

+ sign -0.096+/-0.101 χ^2/NDF: 25.2/30

All: -0.118+/-0.072 χ^2/NDF: 50.4/62

- sign -0.141+/-0.103 χ^2/NDF: 25.1/31

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.083+/-0.088 χ^2/NDF:2534.6/14

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

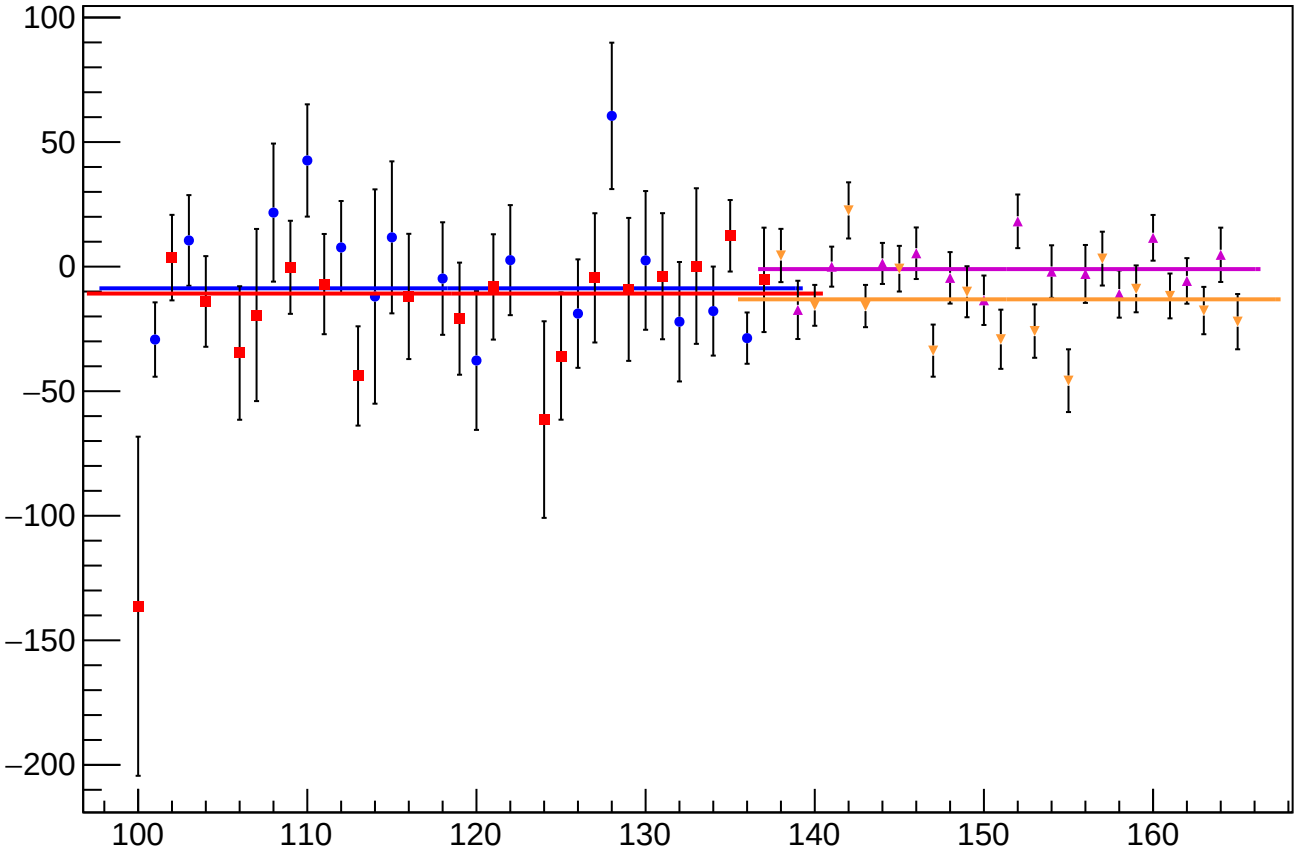
Left In: 431.503+/-0.092 χ^2/NDF:4280.0/12

+ sign 440.766+/-0.071 χ^2/NDF: 119575.7/30

All: 442.064+/-0.051 χ^2/NDF: 221732.4/62

- sign 443.419+/-0.073 χ^2/NDF: 101482.8/31

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -13.126+/-2.587 χ^2/NDF:32.0/14

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

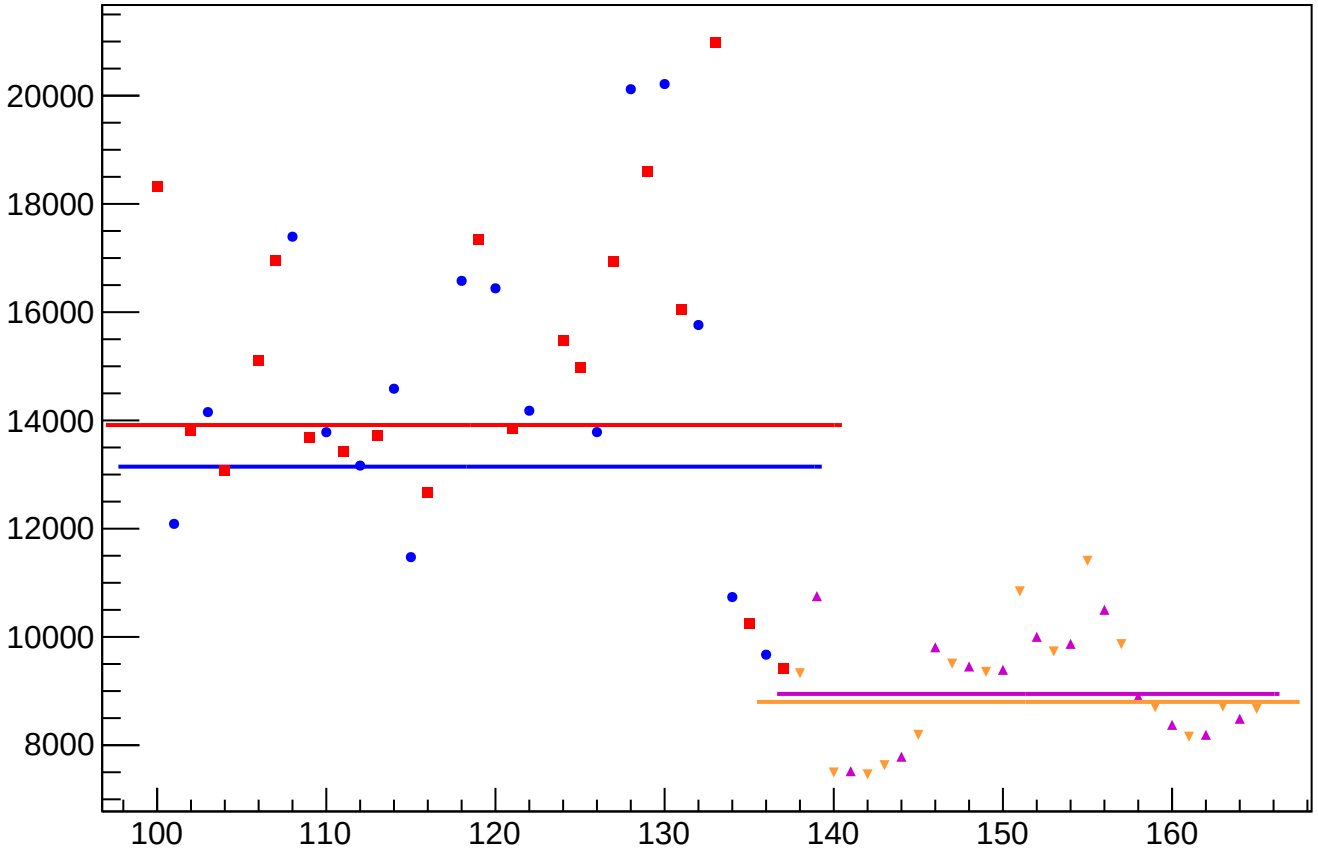
Left In: -0.991+/-2.724 χ^2/NDF:10.9/12

+ sign -12.204+/-2.301 χ^2/NDF: 54.9/30

All: -7.872+/-1.665 χ^2/NDF: 89.9/62

- sign -3.110+/-2.412 χ^2/NDF: 27.6/31

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8799.857+/-1.829 χ^2/NDF:335752.5/14

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

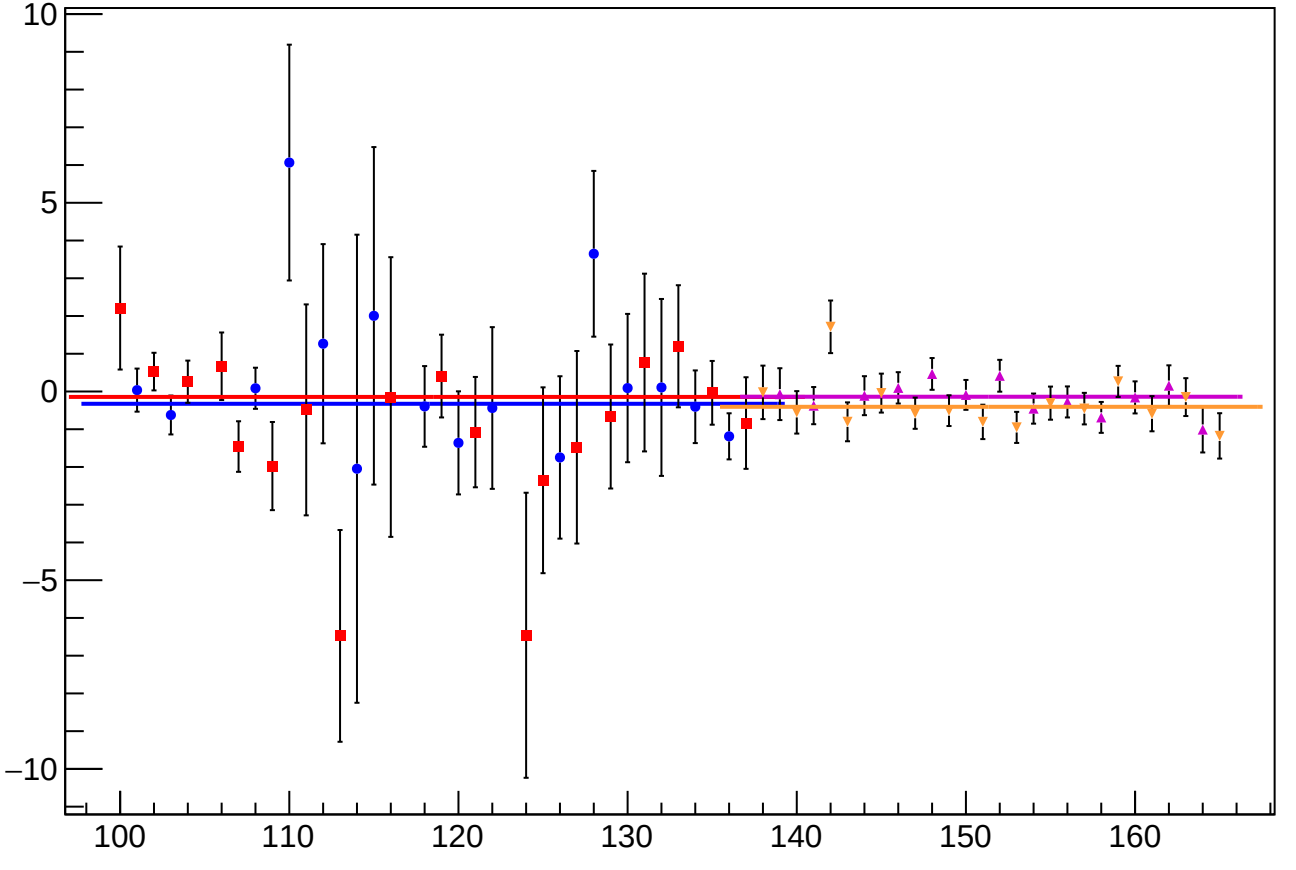
Left In: 8947.253+/-1.926 χ^2/NDF:268513.2/12

+ sign 9707.101+/-1.627 χ^2/NDF: 2197042.9/30

All: 9855.967+/-1.177 χ^2/NDF: 4429963.3/62

- sign 10019.578+/-1.706 χ^2/NDF: 2215346.0/31

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.406+/-0.124 χ^2/NDF:18.2/14

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

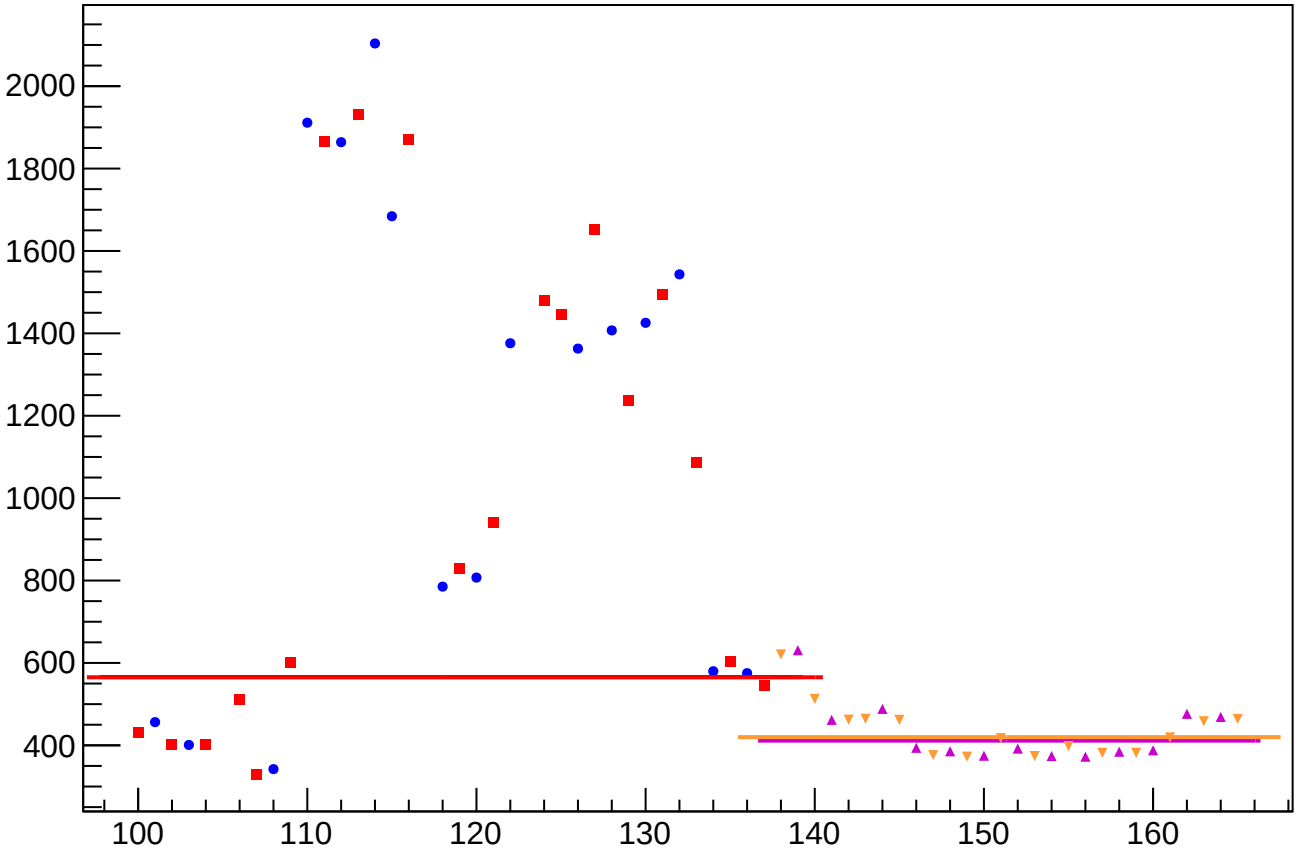
Left In: -0.139+/-0.126 χ^2/NDF:9.2/12

+ sign -0.389+/-0.110 χ^2/NDF: 30.9/30

All: -0.266+/-0.078 χ^2/NDF: 65.1/62

- sign -0.140+/-0.112 χ^2/NDF: 31.7/31

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 419.886+/-0.087 χ^2/NDF:386223.1/14

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

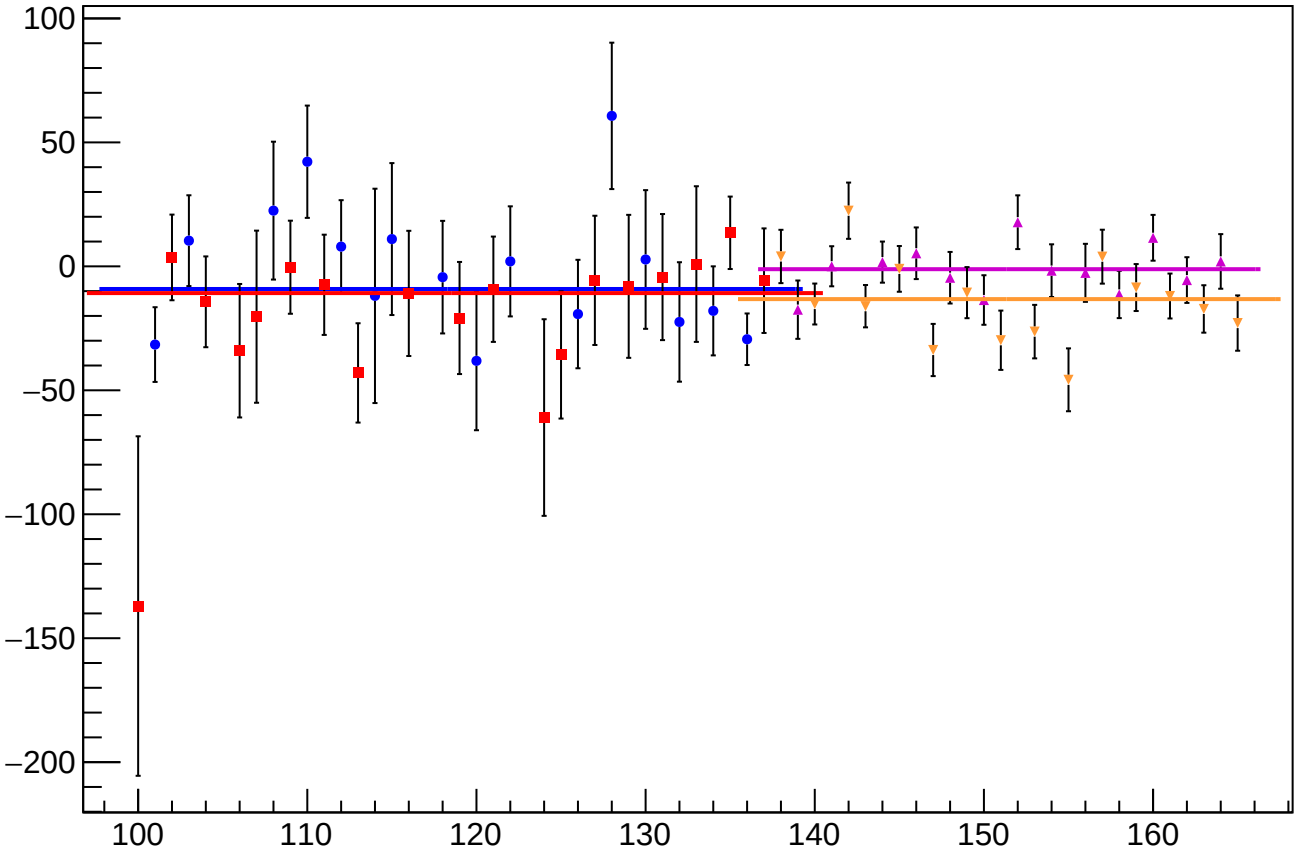
Left In: 411.385+/-0.089 χ^2/NDF:399961.0/12

+ sign 449.604+/-0.078 χ^2/NDF: 4403365.8/30

All: 446.626+/-0.056 χ^2/NDF: 9004718.8/62

- sign 443.567+/-0.079 χ^2/NDF: 4598396.3/31

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -13.216+/-2.603 χ^2/NDF:31.9/14

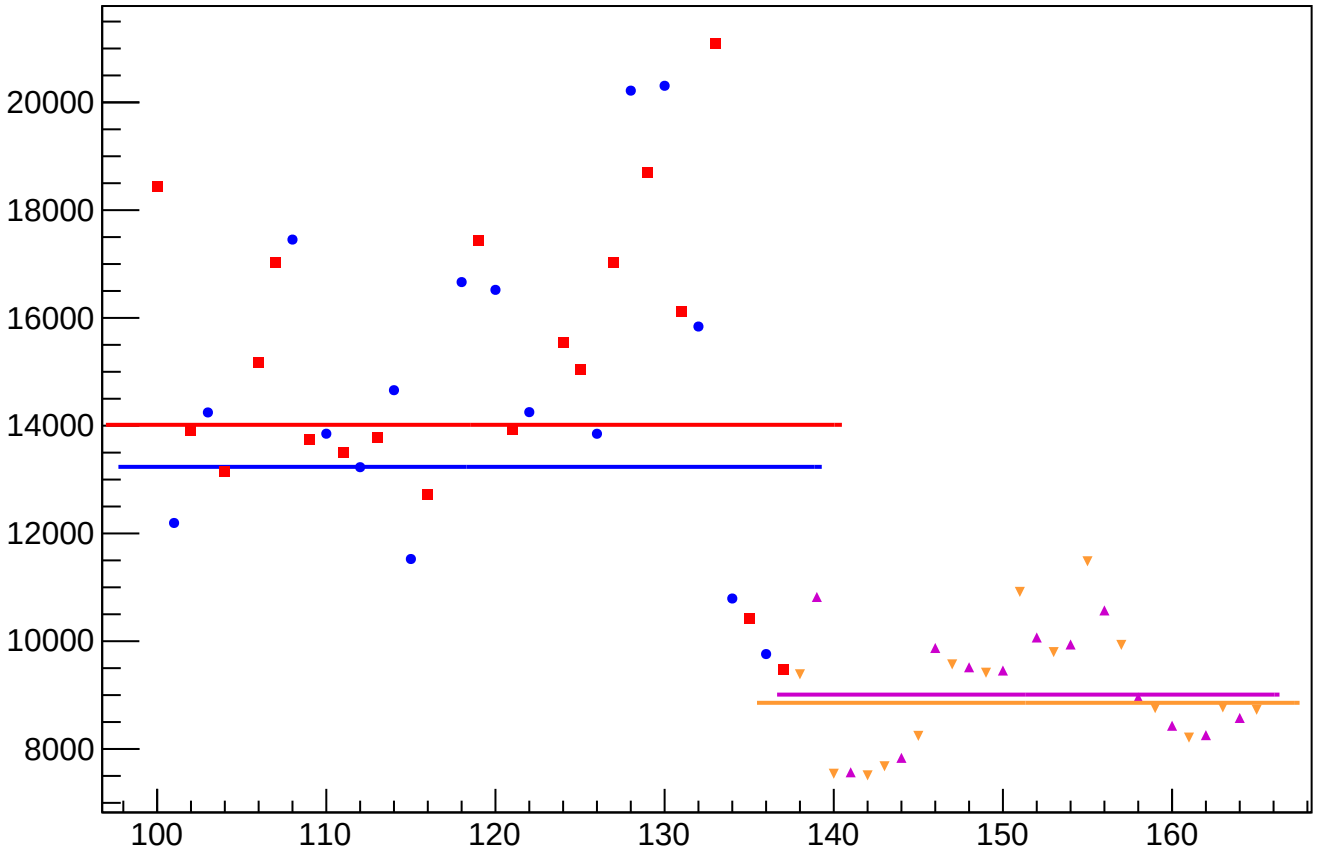
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -1.143+/-2.743 χ^2/NDF:10.5/12

+ sign -12.364+/-2.316 χ^2/NDF: 55.1/30

All: -8.012+/-1.676 χ^2/NDF: 89.4/62

- sign -3.225+/-2.429 χ^2/NDF: 26.9/31



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8856.878+/-1.841 χ^2/NDF:336382.3/14

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

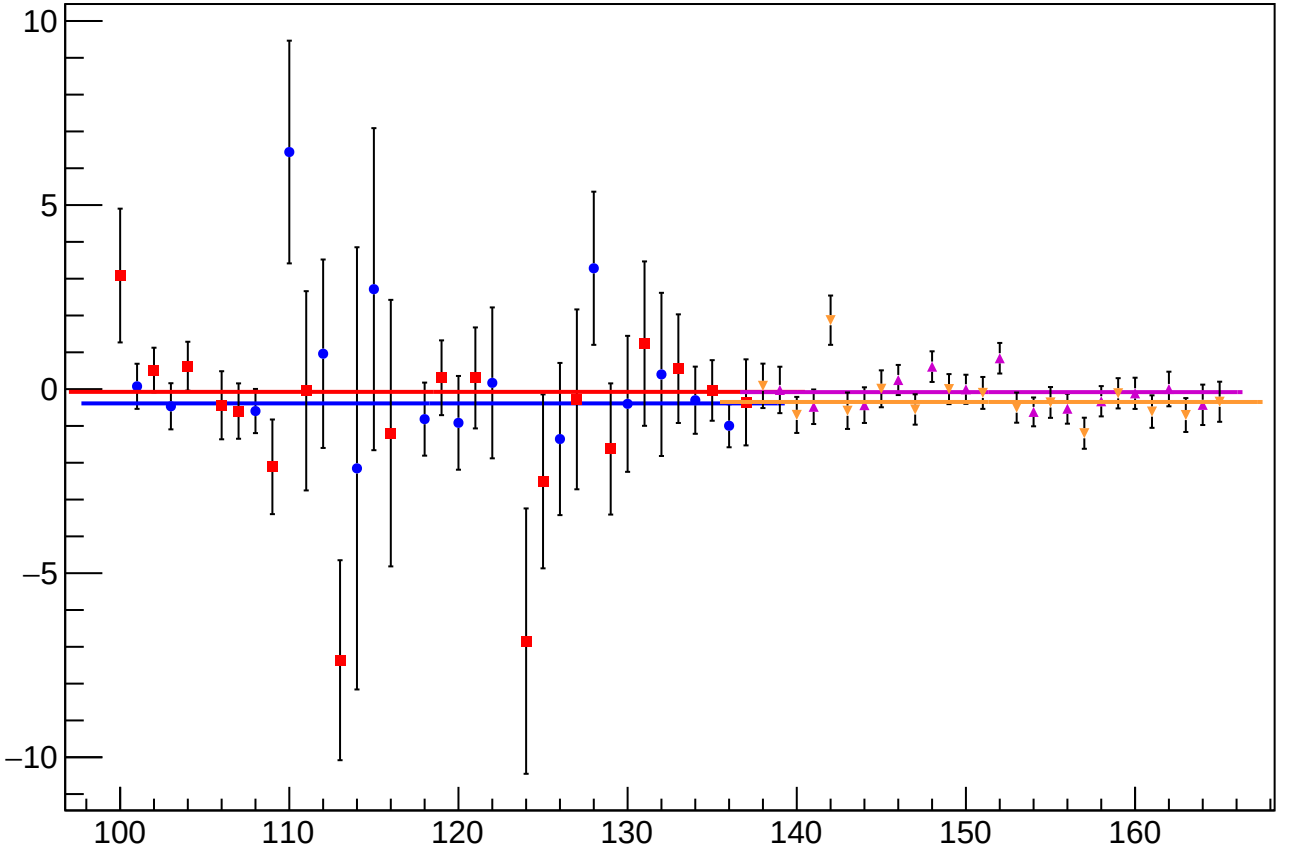
Left In: 9009.045+/-1.939 χ^2/NDF:268110.5/12

+ sign 9770.772+/-1.638 χ^2/NDF: 2191193.0/30

All: 9922.739+/-1.185 χ^2/NDF: 4414776.9/62

- sign 10089.885+/-1.717 χ^2/NDF: 2205499.3/31

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.349+/-0.119 χ^2/NDF:19.6/14

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

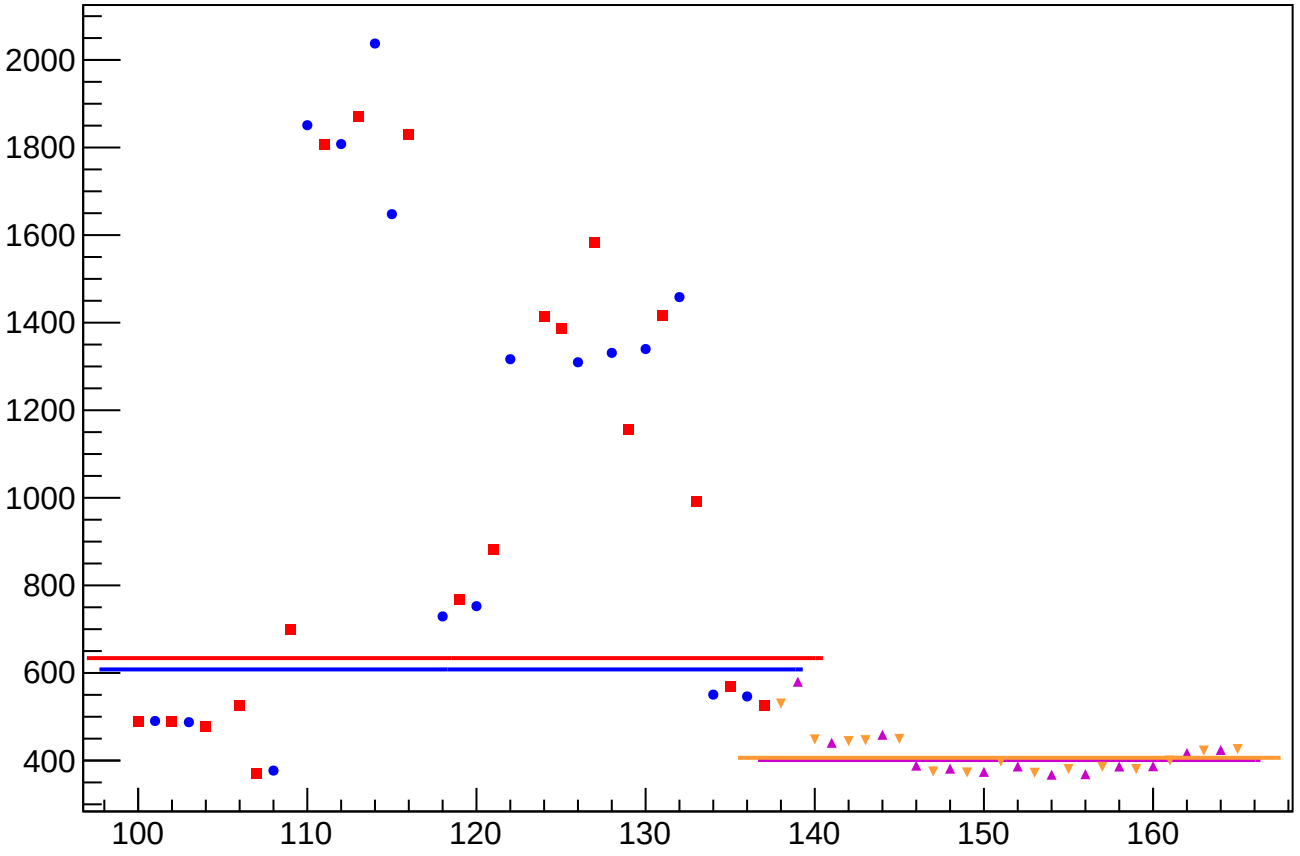
Left In: -0.081+/-0.122 χ^2/NDF:13.5/12

+ sign -0.356+/-0.108 χ^2/NDF: 31.2/30

All: -0.222+/-0.077 χ^2/NDF: 69.6/62

- sign -0.080+/-0.111 χ^2/NDF: 35.2/31

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 406.273+/-0.084 χ^2/NDF:198836.2/14

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

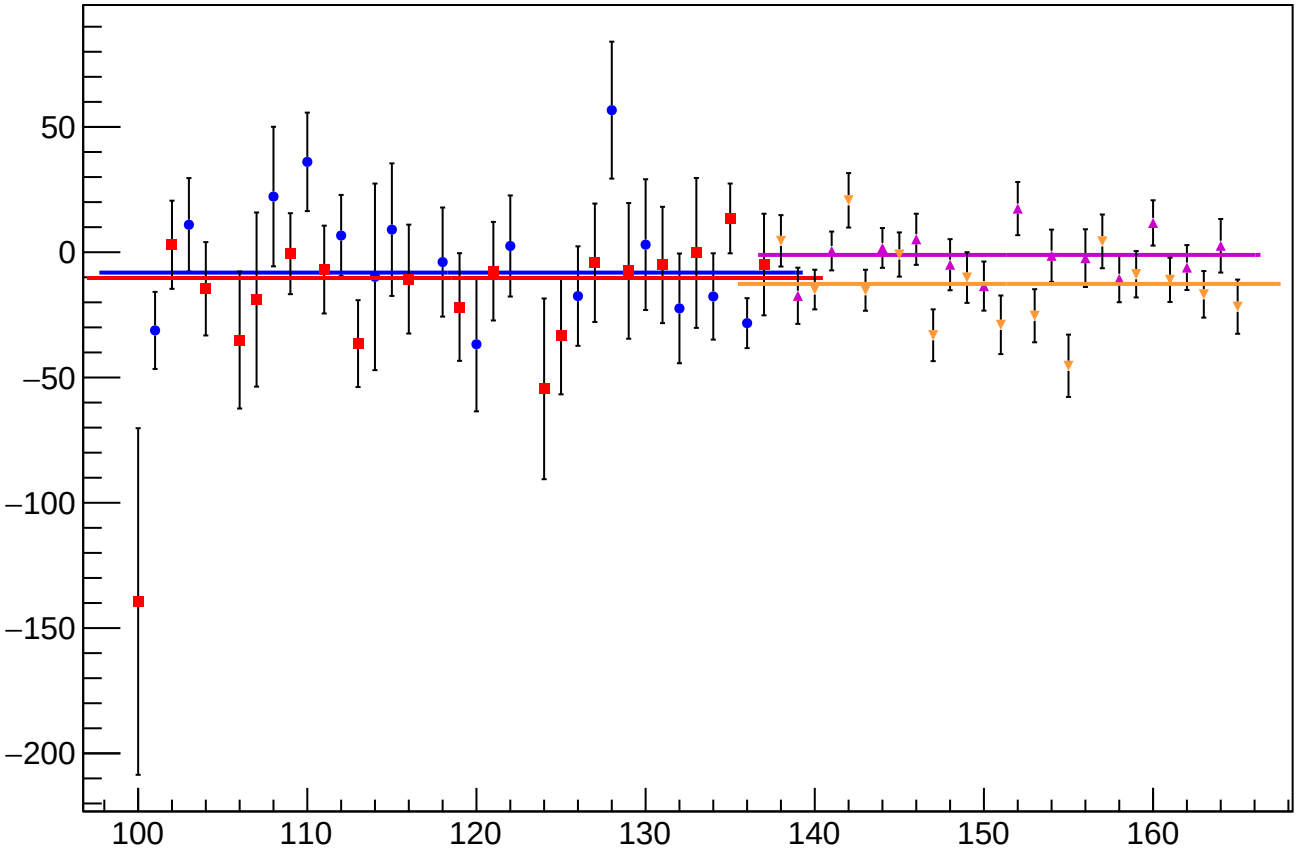
Left In: 401.148+/-0.086 χ^2/NDF:259579.4/12

+ sign 442.100+/-0.076 χ^2/NDF: 4075964.6/30

All: 442.050+/-0.055 χ^2/NDF: 8400473.8/62

- sign 441.998+/-0.078 χ^2/NDF: 4324508.4/31

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -12.650+/-2.525 χ^2/NDF:32.1/14

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

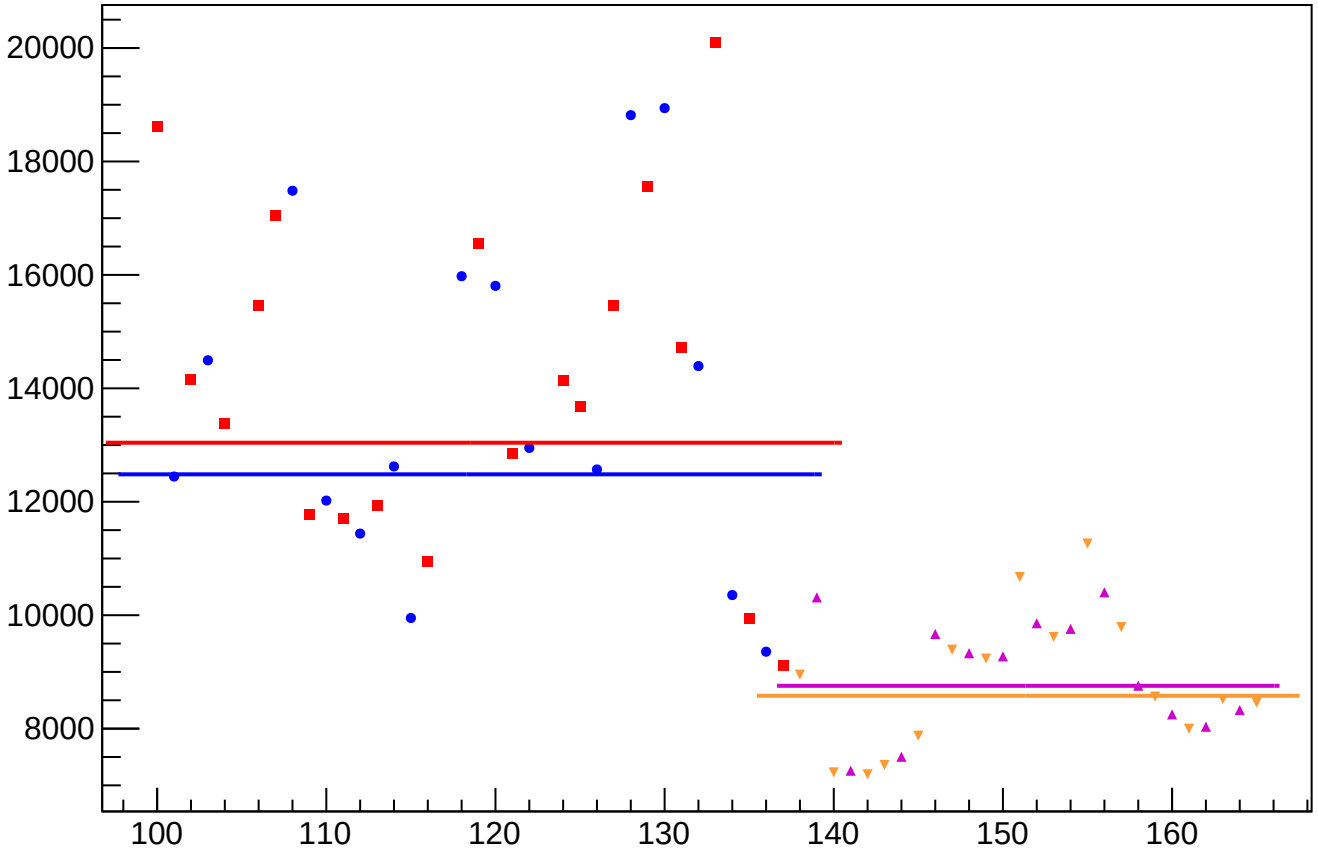
Left In: -1.070+/-2.667 χ^2/NDF:10.9/12

+ sign -11.665+/-2.232 χ^2/NDF: 55.9/30

All: -7.628+/-1.615 χ^2/NDF: 90.1/62

- sign -3.194+/-2.340 χ^2/NDF: 27.4/31

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8579.727+/-1.785 χ^2/NDF:382360.7/14

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

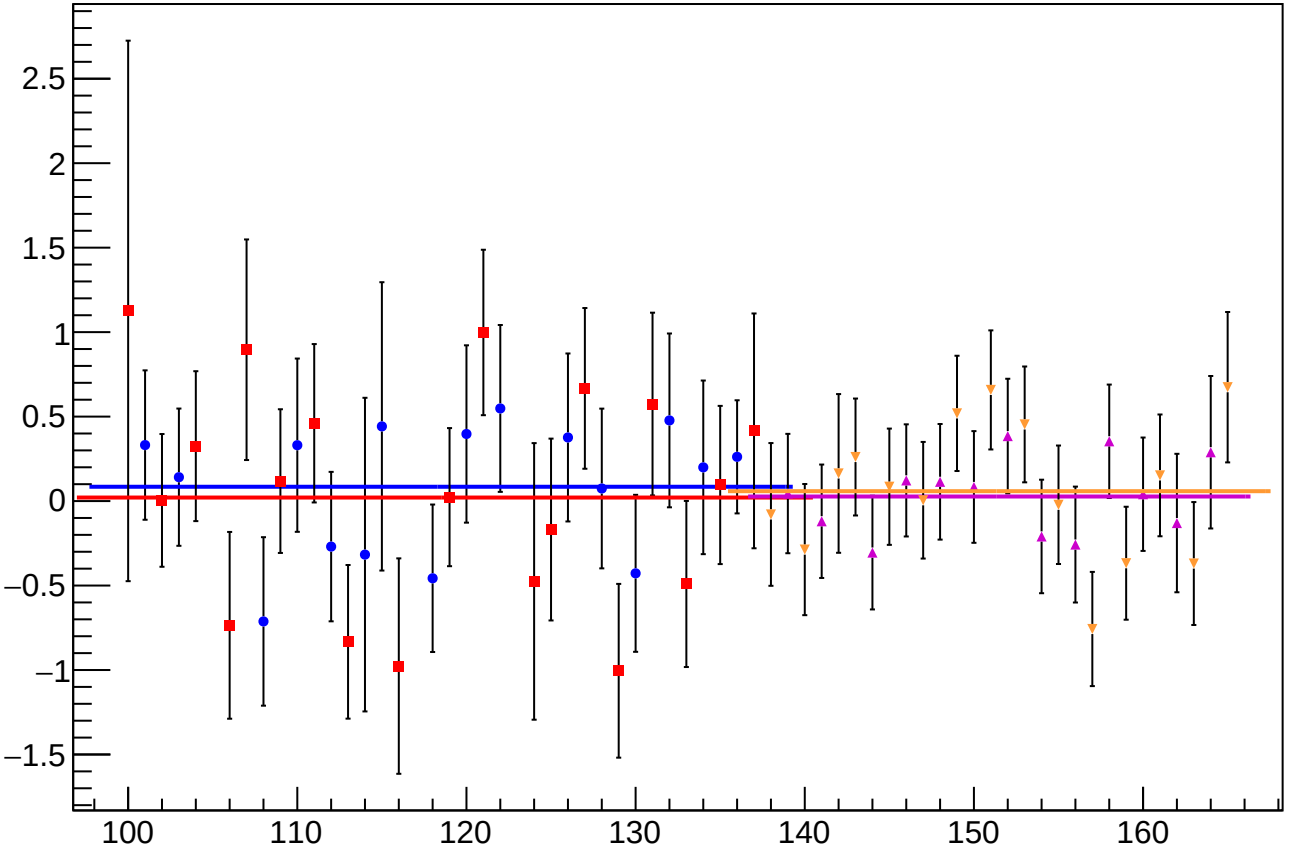
Left In: 8755.284+/-1.886 χ^2/NDF:294291.1/12

+ sign 9431.526+/-1.578 χ^2/NDF: 2097488.4/30

All: 9579.988+/-1.142 χ^2/NDF: 4145217.0/62

- sign 9743.069+/-1.654 χ^2/NDF: 2029164.7/31

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.059+/-0.094 χ^2/NDF:18.2/14

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

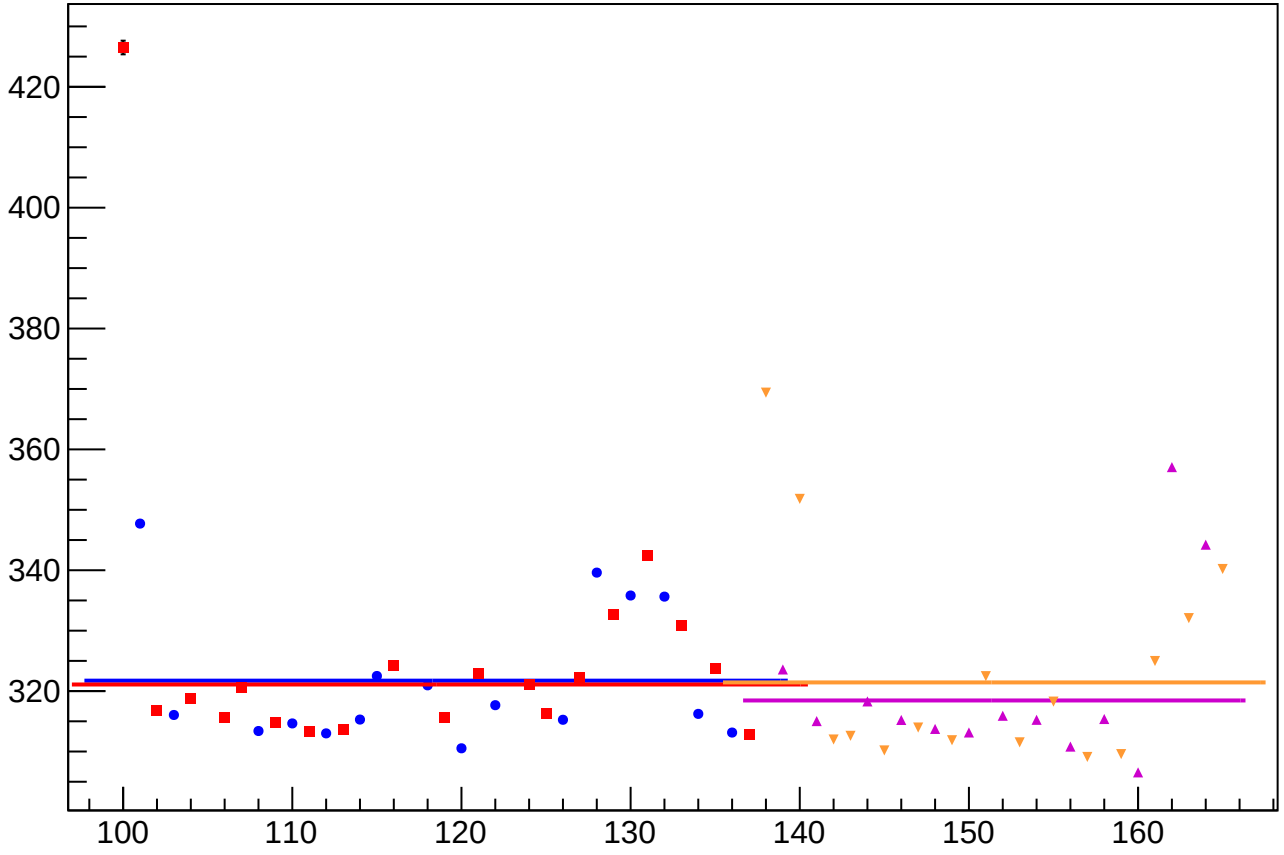
Left In: 0.027+/-0.097 χ^2/NDF:5.1/12

+ sign 0.068+/-0.074 χ^2/NDF: 27.6/30

All: 0.047+/-0.053 χ^2/NDF: 57.2/62

- sign 0.025+/-0.075 χ^2/NDF: 29.4/31

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 321.436+/-0.066 χ^2/NDF:57275.4/14

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

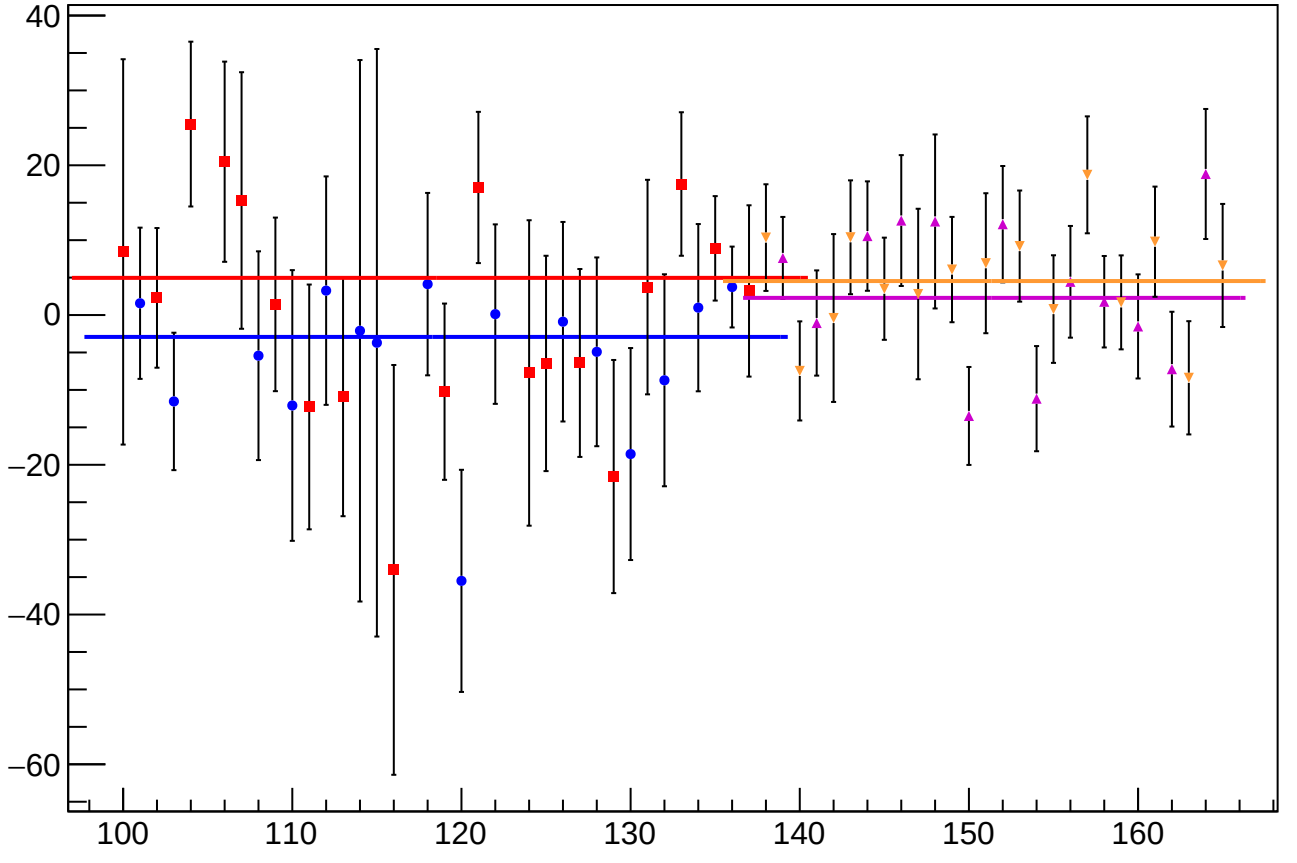
Left In: 318.450+/-0.068 χ^2/NDF:29966.3/12

+ sign 321.547+/-0.052 χ^2/NDF: 75497.3/30

All: 320.540+/-0.037 χ^2/NDF: 123393.1/62

- sign 319.516+/-0.053 χ^2/NDF: 47149.2/31

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.539+/-1.966 χ^2/NDF:12.6/14

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

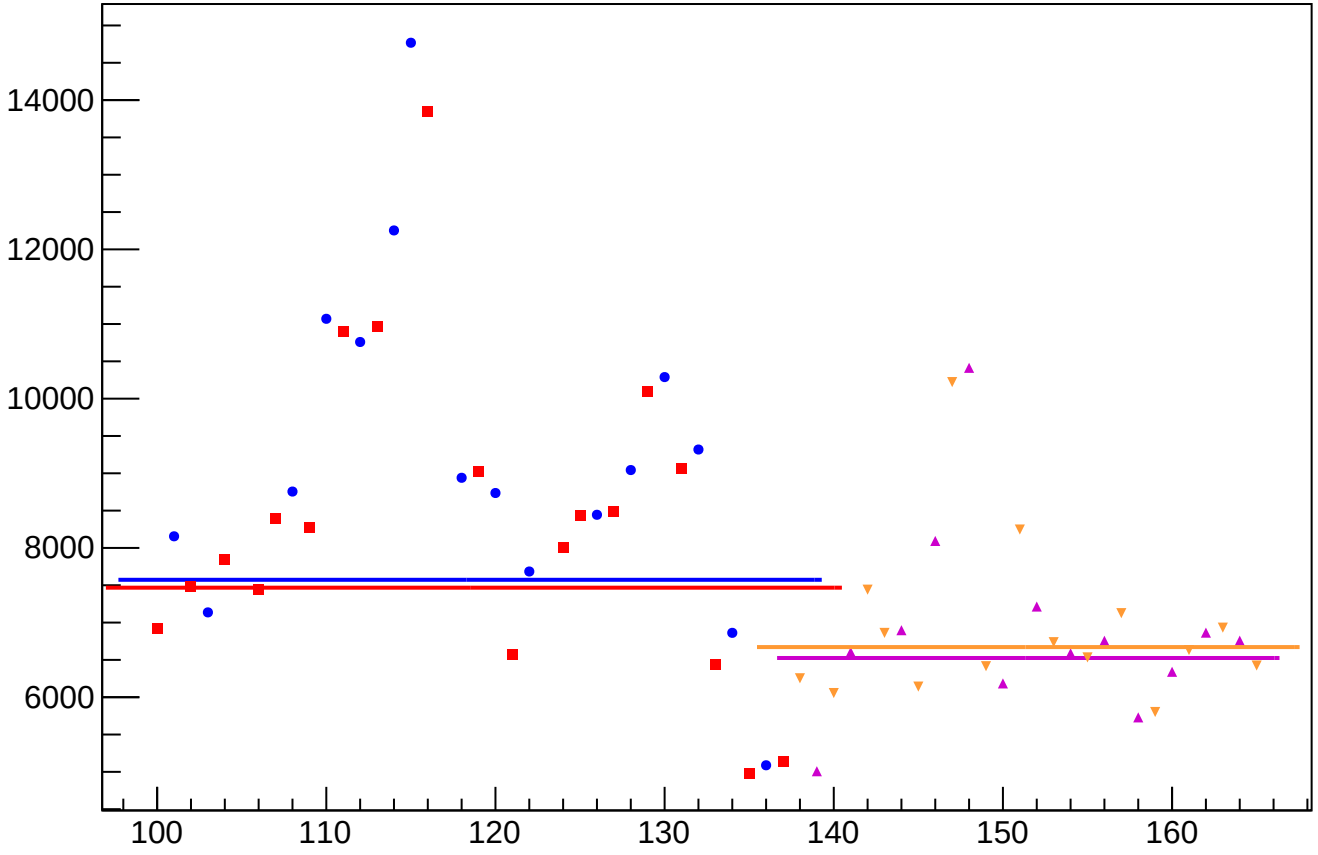
Left In: 2.292+/-2.005 χ^2/NDF:21.3/12

+ sign 2.201+/-1.629 χ^2/NDF: 26.9/30

All: 2.693+/-1.154 χ^2/NDF: 68.4/62

- sign 3.188+/-1.635 χ^2/NDF: 41.3/31

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6671.658+/-1.390 χ^2/NDF:351058.0/14

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

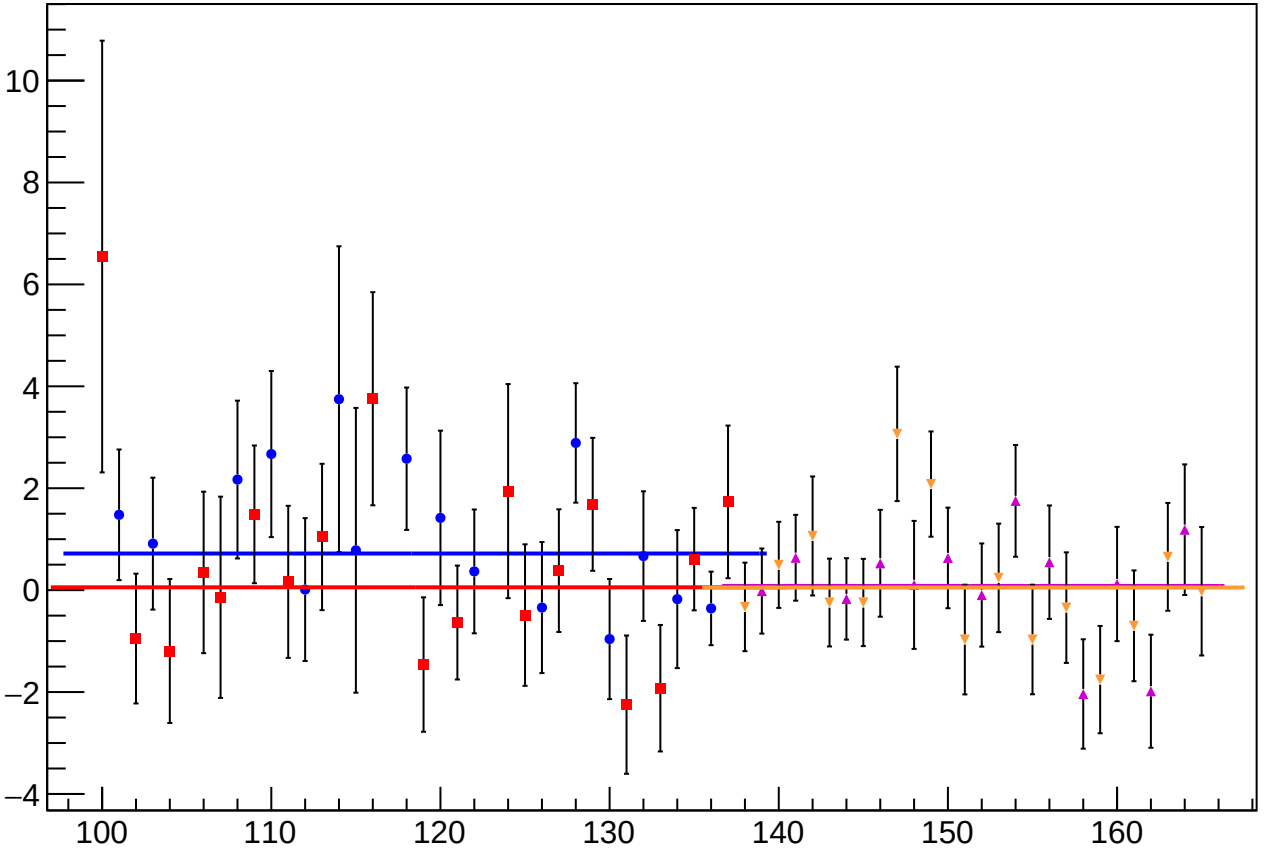
Left In: 6525.444+/-1.418 χ^2/NDF:511004.2/12

+ sign 6954.142+/-1.152 χ^2/NDF: 1380418.2/30

All: 6897.863+/-0.816 χ^2/NDF: 2872529.2/62

- sign 6841.184+/-1.156 χ^2/NDF: 1487320.5/31

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.051+/-0.263 χ^2/NDF:16.3/14

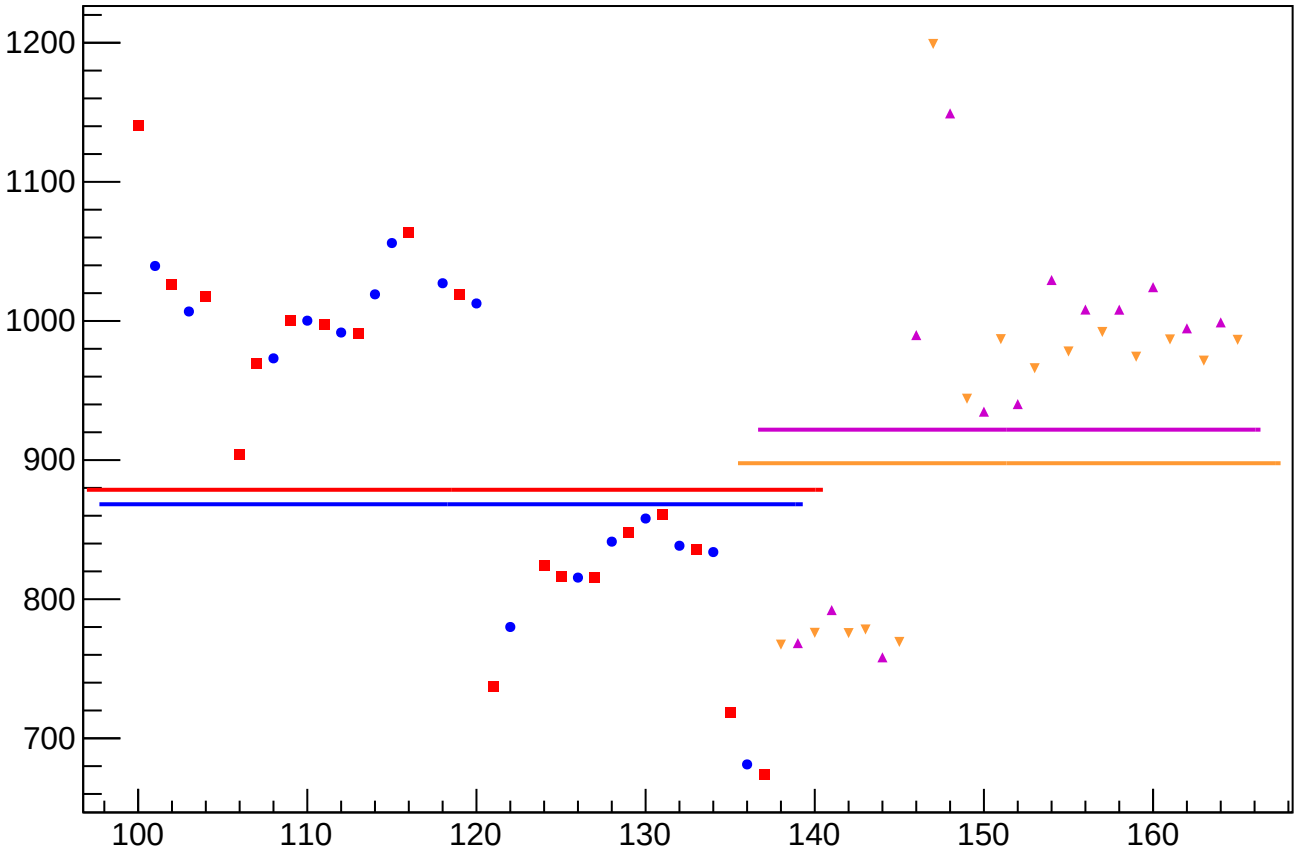
Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: 0.082+/-0.281 χ^2/NDF:11.7/12

+ sign 0.315+/-0.205 χ^2/NDF: 33.6/30

All: 0.197+/-0.147 χ^2/NDF: 65.8/62

- sign 0.071+/-0.212 χ^2/NDF: 31.5/31



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 897.752+/-0.186 χ^2/NDF:392473.4/14

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

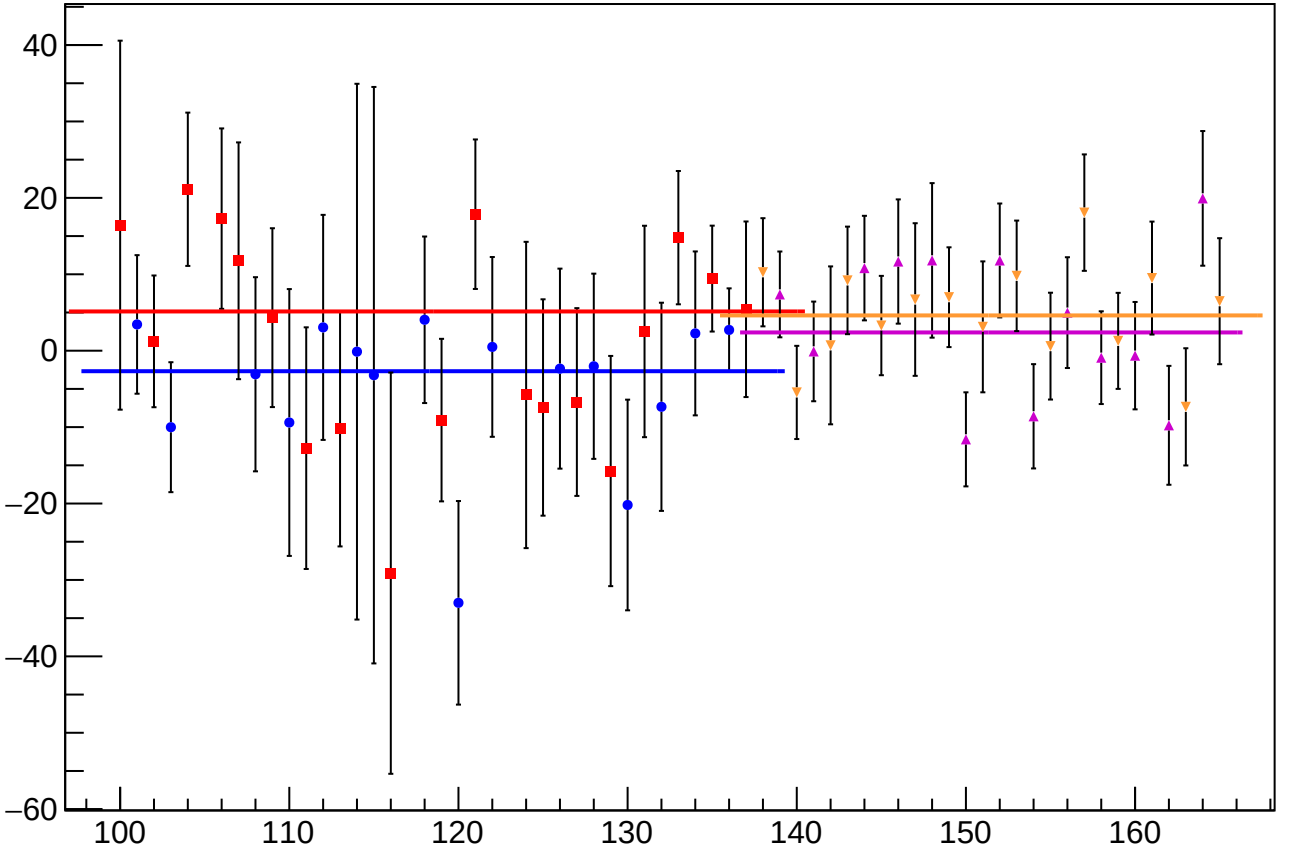
Left In: 921.864+/-0.199 χ^2/NDF:350582.0/12

+ sign 886.098+/-0.145 χ^2/NDF: 704794.7/30

All: 894.397+/-0.104 χ^2/NDF: 1355061.6/62

- sign 903.288+/-0.150 χ^2/NDF: 643467.6/31

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.618+/-1.892 χ^2/NDF:11.3/14

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

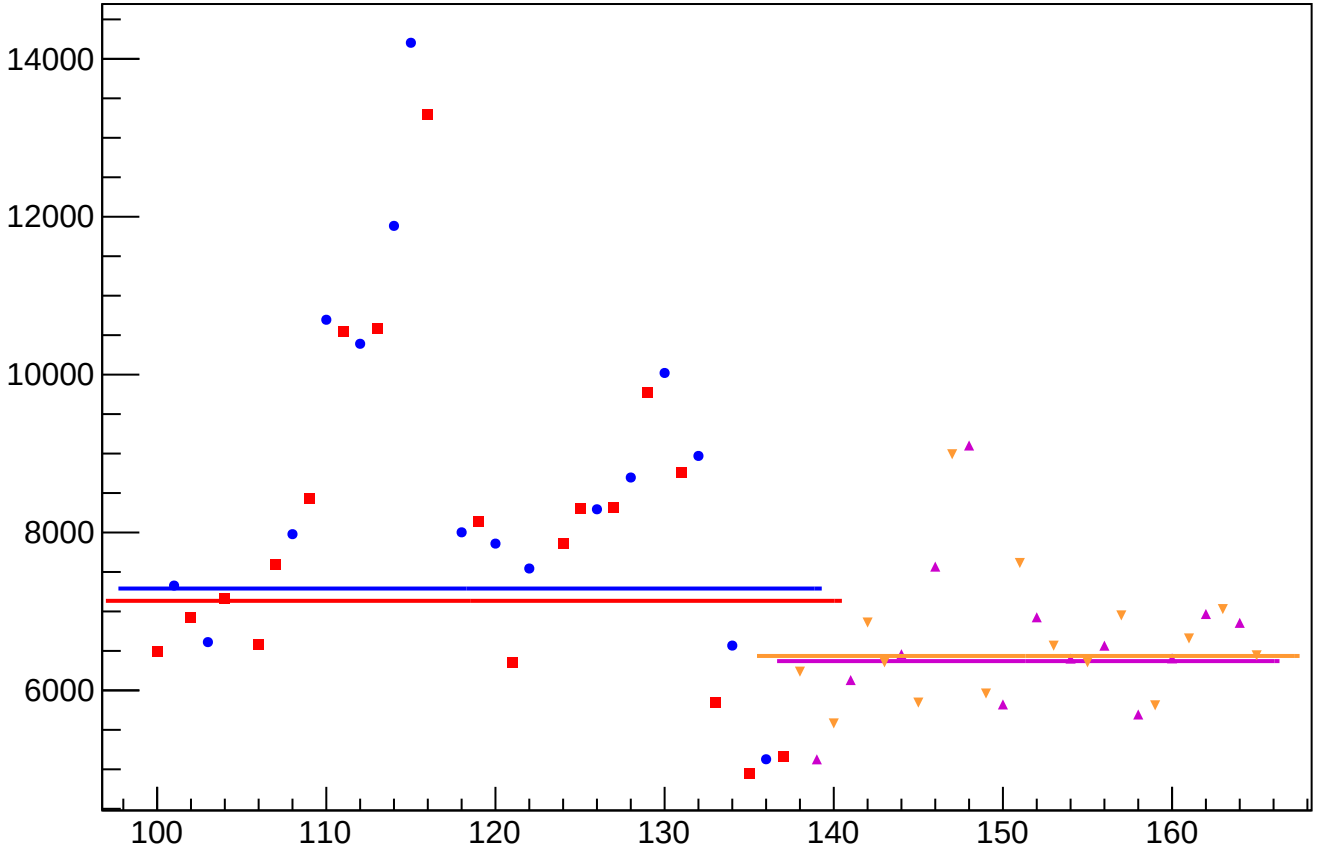
Left In: 2.389+/-1.949 χ^2/NDF:21.0/12

+ sign 2.316+/-1.566 χ^2/NDF: 26.1/30

All: 2.821+/-1.112 χ^2/NDF: 65.2/62

- sign 3.334+/-1.579 χ^2/NDF: 38.9/31

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6436.065+/-1.338 χ^2/NDF:283974.3/14

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

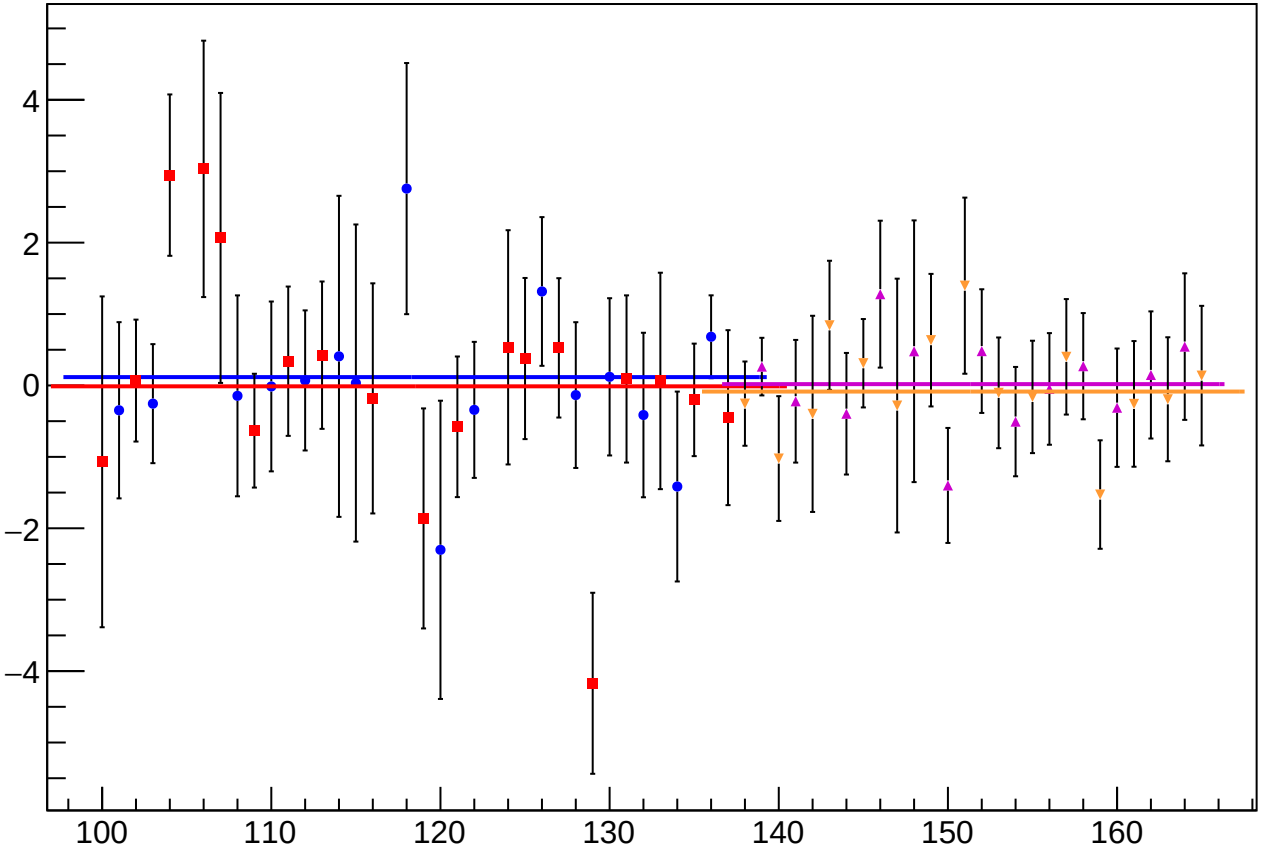
Left In: 6370.886+/-1.378 χ^2/NDF:361741.5/12

+ sign 6705.388+/-1.107 χ^2/NDF: 1183017.4/30

All: 6669.737+/-0.786 χ^2/NDF: 2445199.1/62

- sign 6633.487+/-1.116 χ^2/NDF: 1260090.1/31

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.085+/-0.219 χ^2/NDF:8.9/14

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

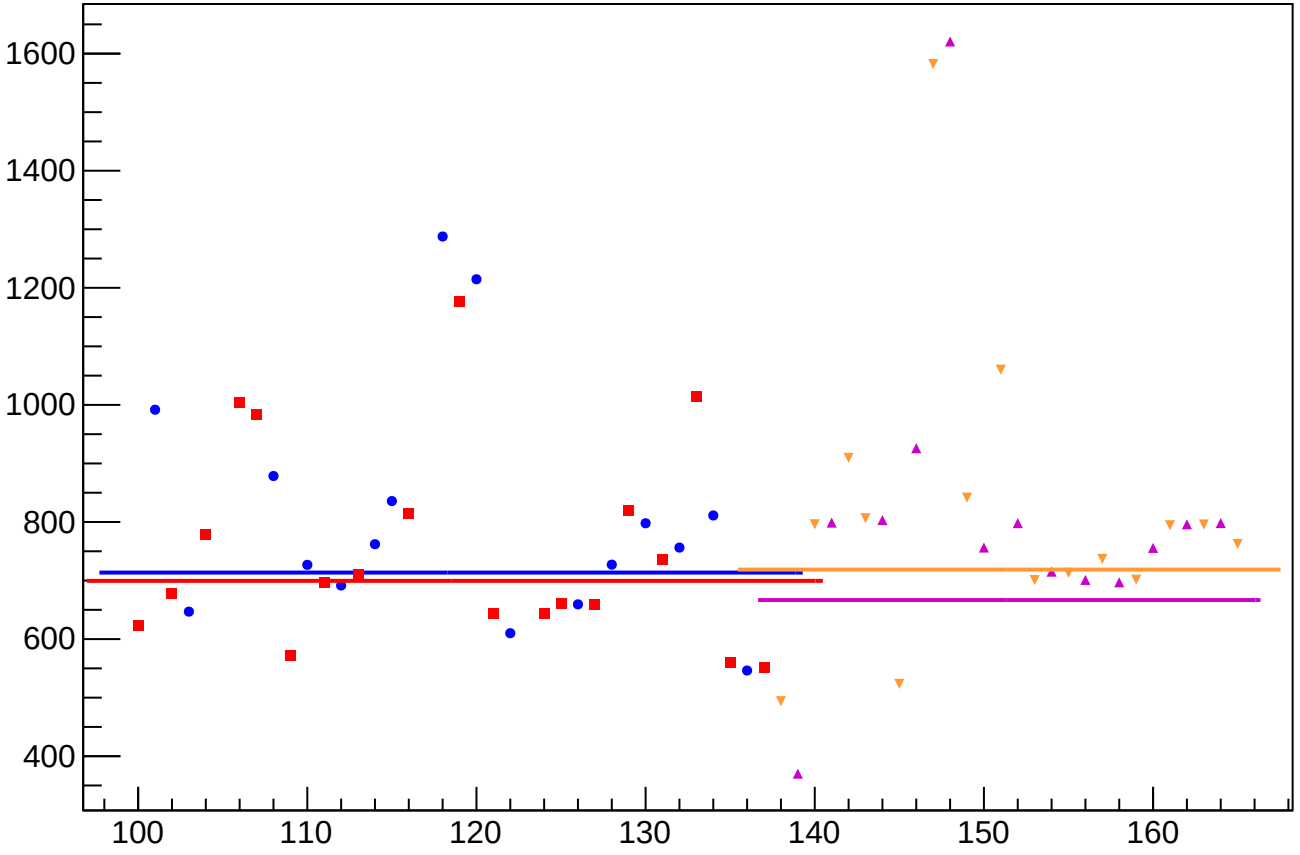
Left In: 0.019+/-0.214 χ^2/NDF:6.7/12

\+ sign -0.006+/-0.171 χ^2/NDF: 17.3/30

All: 0.000+/-0.119 χ^2/NDF: 49.2/62

\- sign 0.006+/-0.166 χ^2/NDF: 31.8/31

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 718.705+/-0.155 χ^2/NDF:1260678.4/14

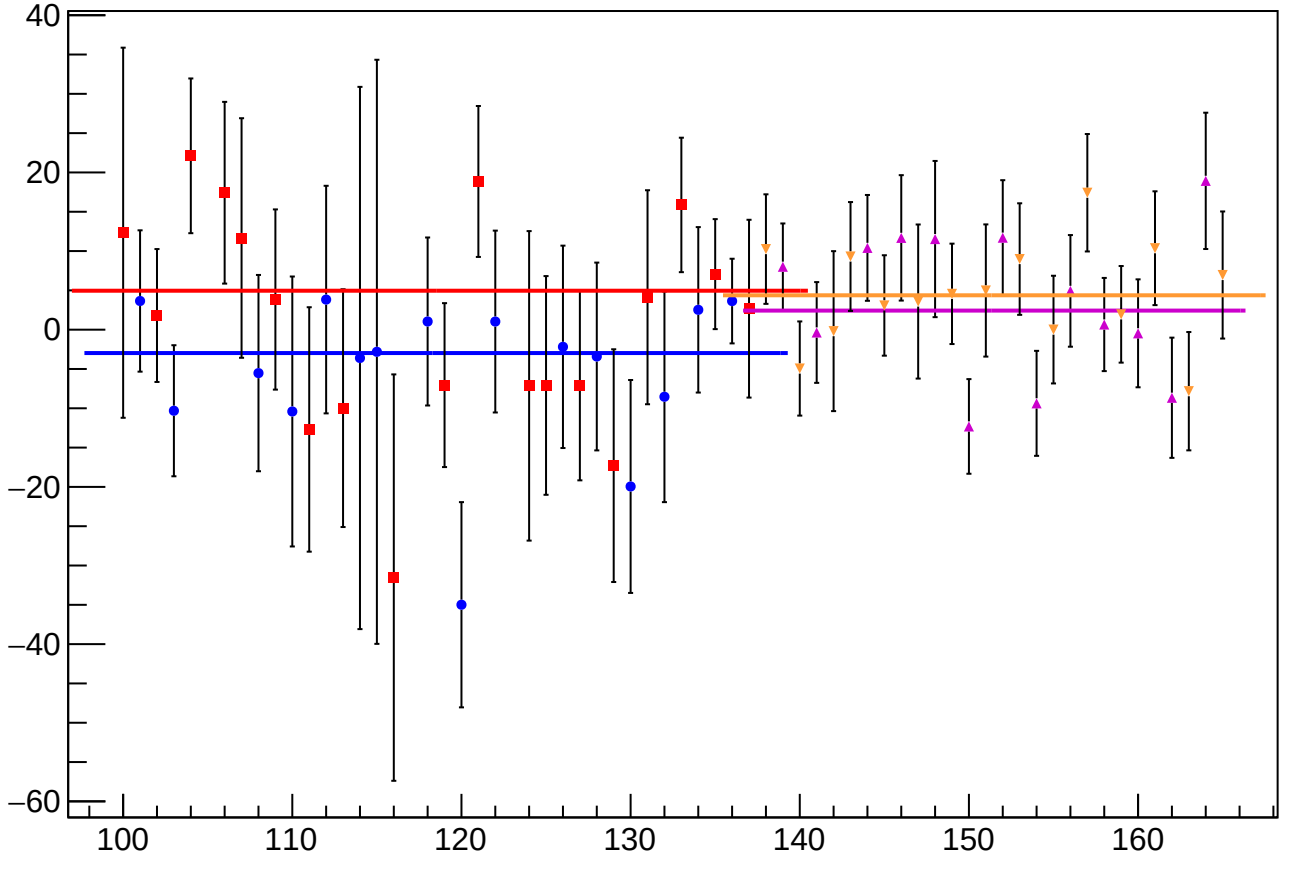
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 666.689+/-0.151 χ^2/NDF:2033721.2/12

+ sign 716.721+/-0.121 χ^2/NDF: 1960403.3/30

All: 697.722+/-0.084 χ^2/NDF: 4636761.0/62

- sign 679.753+/-0.117 χ^2/NDF: 2628190.1/31



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.374+/-1.856 χ^2/NDF:11.3/14

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

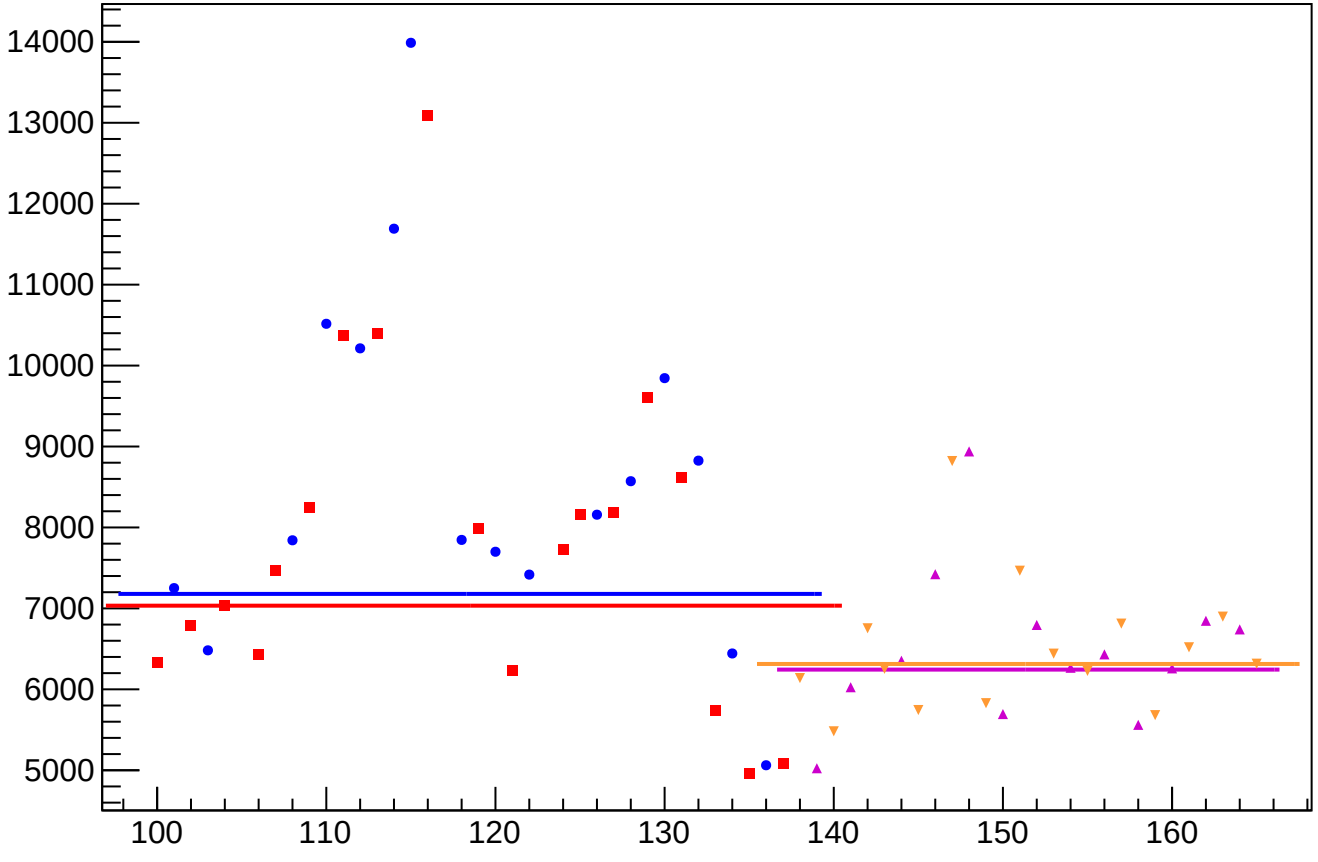
Left In: 2.428+/-1.911 χ^2/NDF:21.6/12

+ sign 2.069+/-1.538 χ^2/NDF: 27.8/30

All: 2.675+/-1.092 χ^2/NDF: 68.8/62

- sign 3.291+/-1.550 χ^2/NDF: 40.7/31

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6313.302+/-1.313 χ^2/NDF:284361.7/14

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

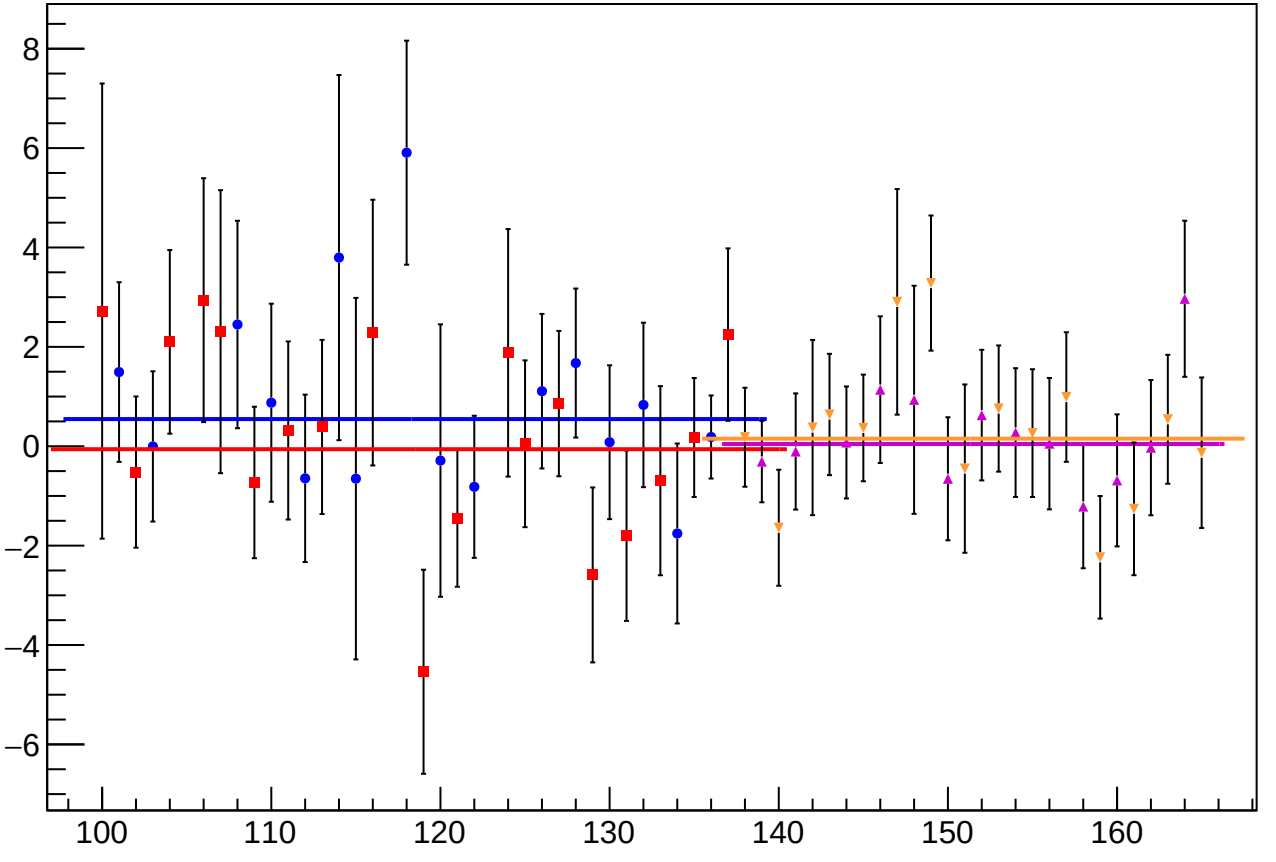
Left In: 6243.637+/-1.351 χ^2/NDF:366839.8/12

+ sign 6584.785+/-1.087 χ^2/NDF: 1182703.1/30

All: 6549.380+/-0.772 χ^2/NDF: 2434801.8/62

- sign 6513.391+/-1.096 χ^2/NDF: 1249961.1/31

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.153+/-0.338 χ^2/NDF:15.1/14

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

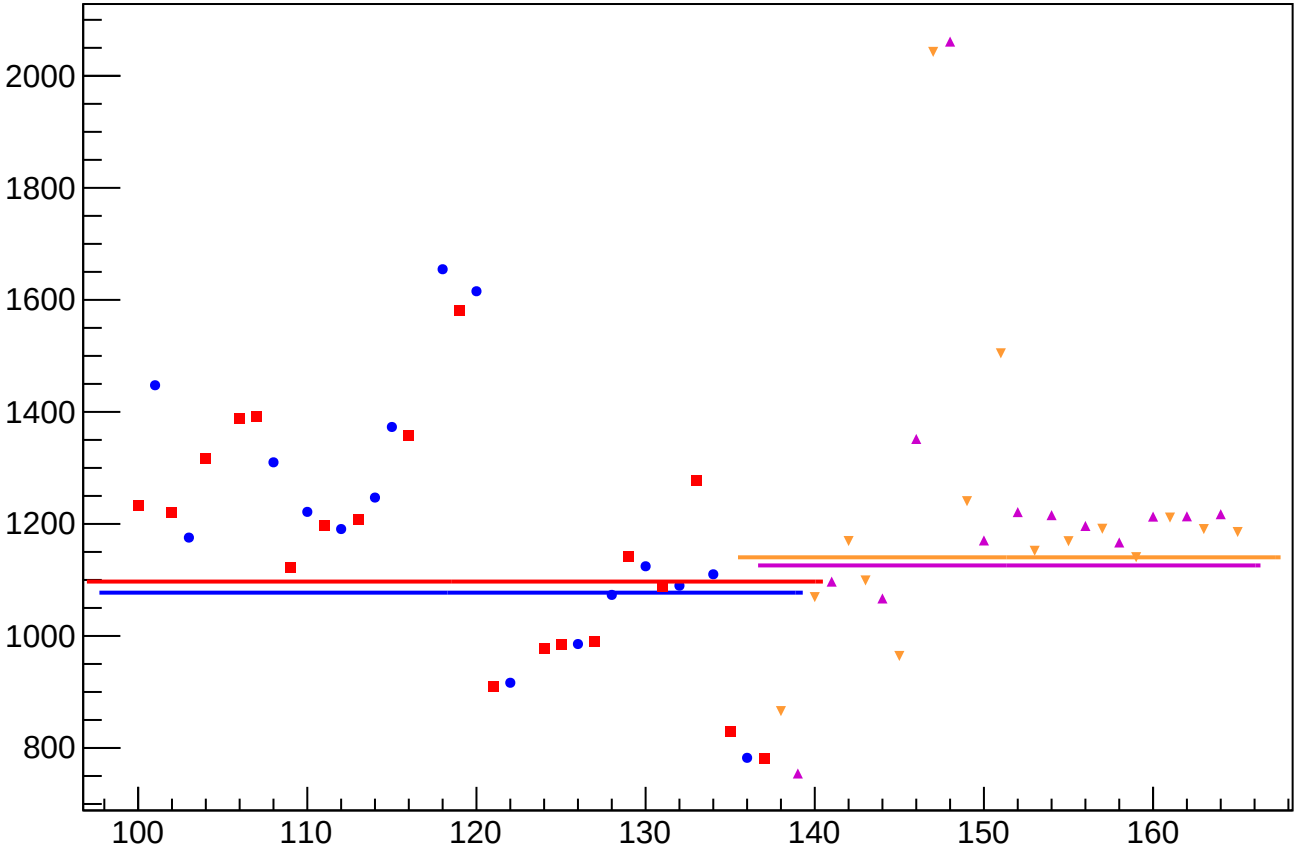
Left In: 0.045+/-0.349 χ^2/NDF:6.2/12

+ sign 0.312+/-0.261 χ^2/NDF: 27.6/30

All: 0.159+/-0.186 χ^2/NDF: 51.4/62

- sign 0.001+/-0.265 χ^2/NDF: 23.1/31

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1140.407+/-0.239 χ^2/NDF:650042.7/14

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

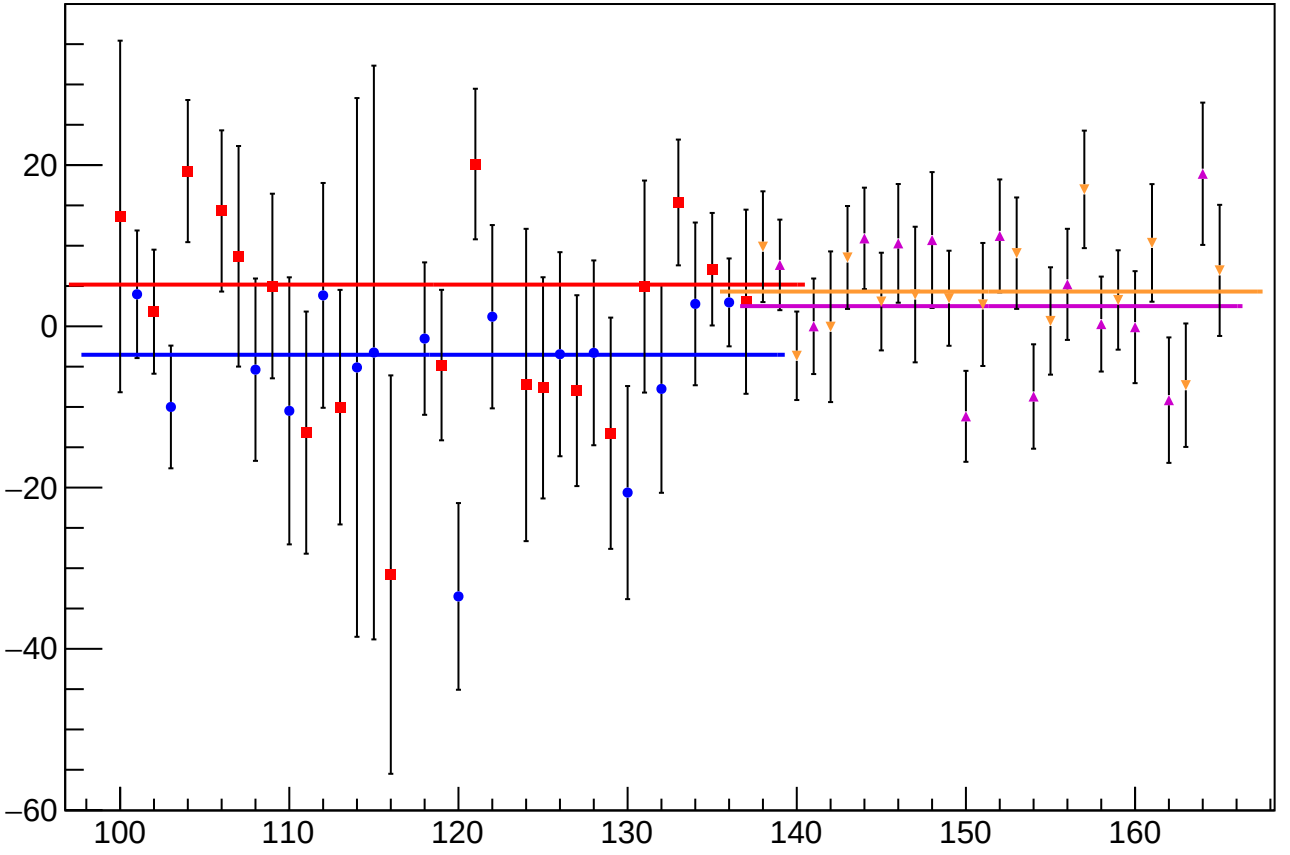
Left In: 1125.911+/-0.247 χ^2/NDF:850276.7/12

+ sign 1114.929+/-0.185 χ^2/NDF: 1324689.7/30

All: 1114.361+/-0.132 χ^2/NDF: 2665100.1/62

- sign 1113.774+/-0.188 χ^2/NDF: 1340391.1/31

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.314+/-1.775 χ^2/NDF:10.4/14

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

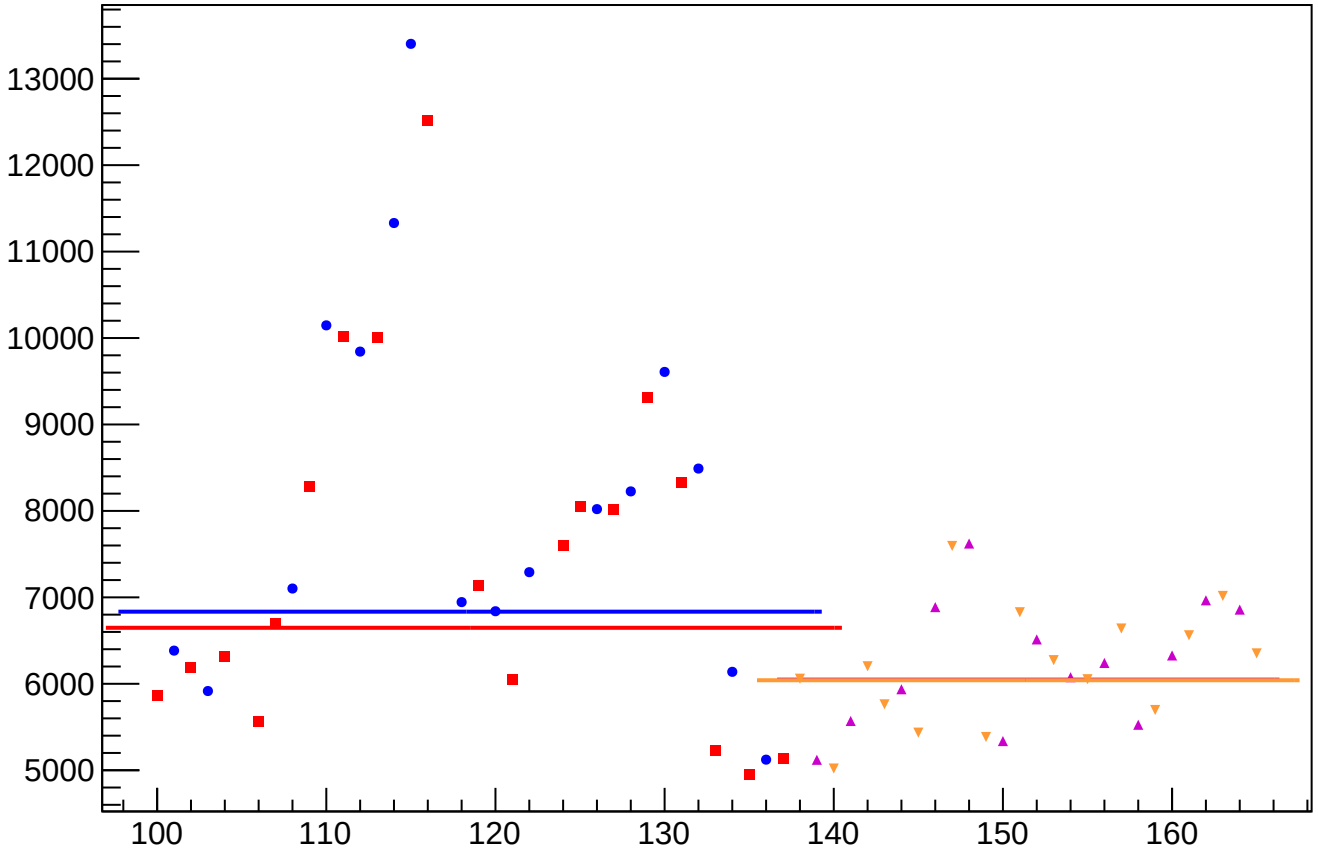
Left In: 2.506+/-1.845 χ^2/NDF:21.4/12

+ sign 1.832+/-1.467 χ^2/NDF: 29.2/30

All: 2.627+/-1.044 χ^2/NDF: 70.2/62

- sign 3.444+/-1.486 χ^2/NDF: 40.3/31

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6041.102+/-1.255 χ^2/NDF:275586.0/14

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

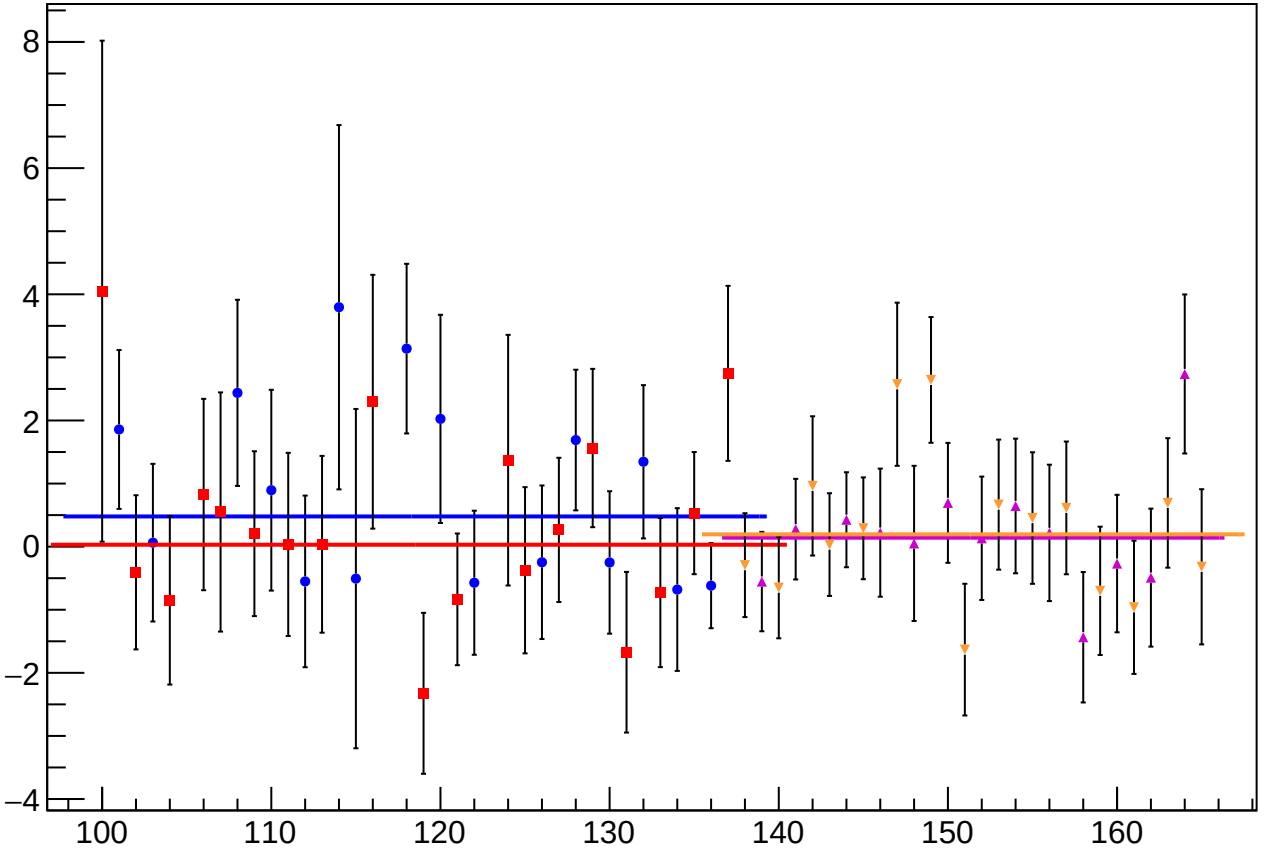
Left In: 6048.237+/-1.305 χ^2/NDF:269820.5/12

\+ sign 6292.222+/-1.038 χ^2/NDF: 1094744.2/30

All: 6275.781+/-0.738 χ^2/NDF: 2224377.1/62

\- sign 6258.912+/-1.051 χ^2/NDF: 1129124.3/31

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.195+/-0.253 χ^2/NDF:17.3/14

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

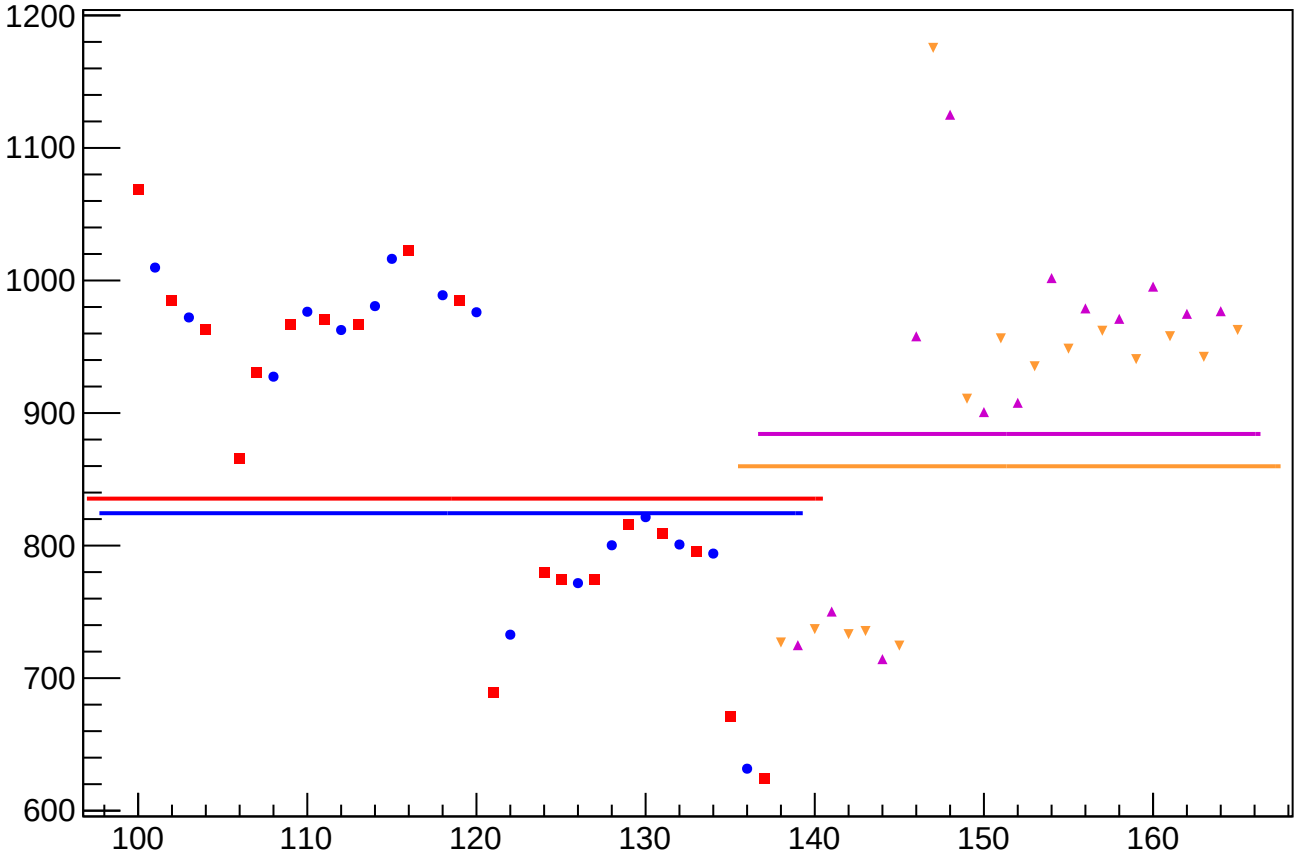
Left In: 0.142+/-0.270 χ^2/NDF:8.6/12

+ sign 0.308+/-0.196 χ^2/NDF: 34.5/30

All: 0.205+/-0.141 χ^2/NDF: 59.5/62

- sign 0.094+/-0.203 χ^2/NDF: 24.4/31

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 859.846+/-0.179 χ^2/NDF:470676.6/14

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

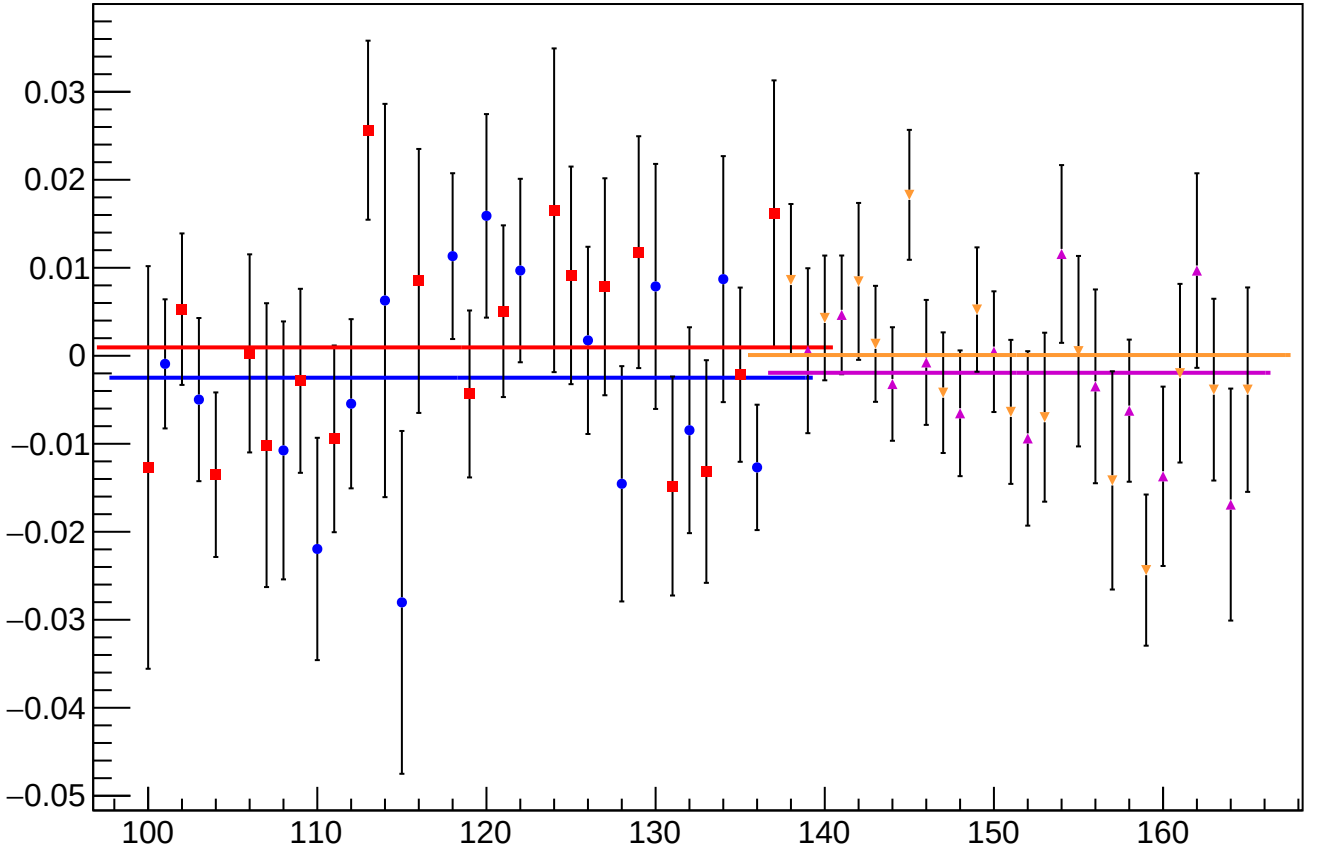
Left In: 884.221+/-0.191 χ^2/NDF:428240.6/12

+ sign 845.749+/-0.139 χ^2/NDF: 851771.1/30

All: 854.094+/-0.100 χ^2/NDF: 1635134.6/62

- sign 863.057+/-0.144 χ^2/NDF: 775850.7/31

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:20.1/14

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

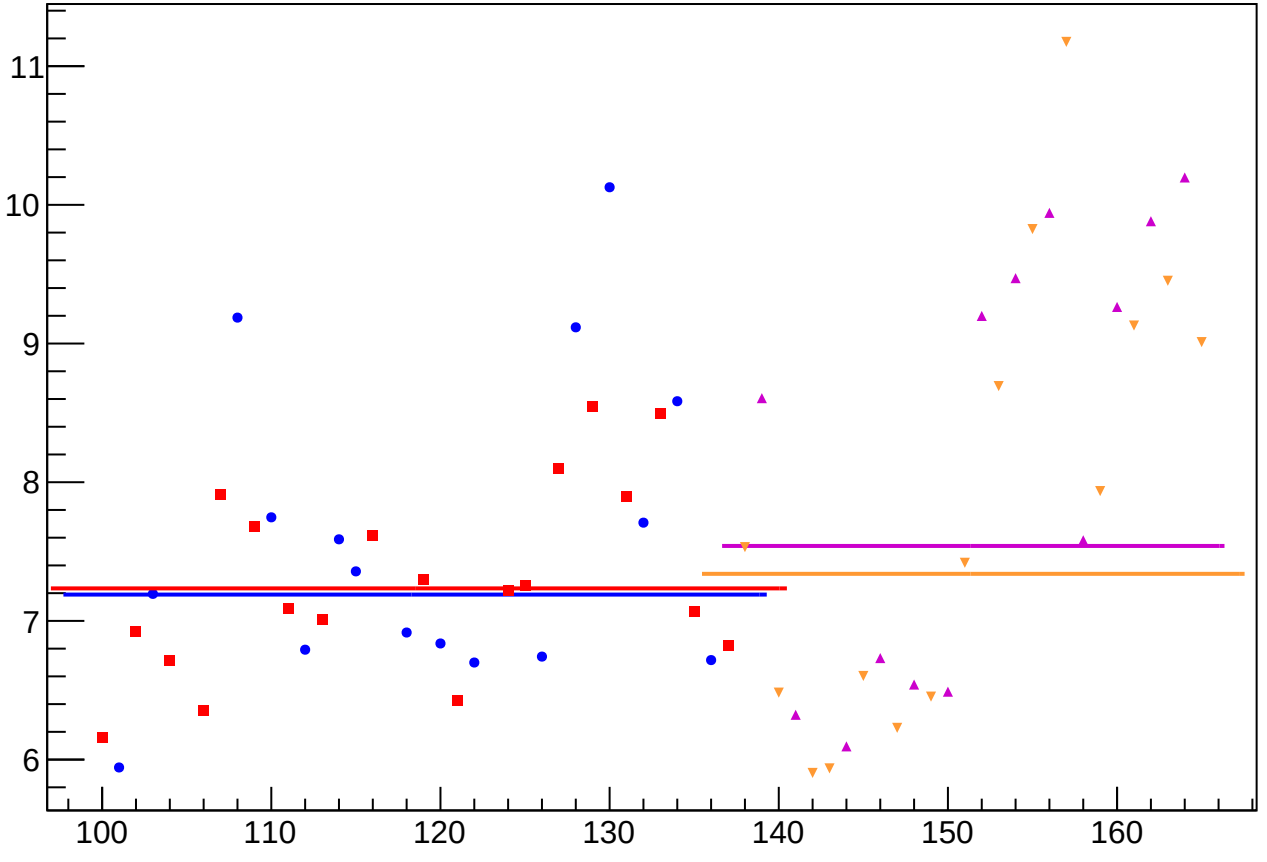
Left In: -0.002+/-0.002 χ^2/NDF:8.0/12

+ sign -0.001+/-0.002 χ^2/NDF: 36.0/30

All: -0.001+/-0.001 χ^2/NDF: 62.0/62

- sign -0.001+/-0.002 χ^2/NDF: 26.0/31

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.339+/-0.002 χ^2/NDF:810258.4/14

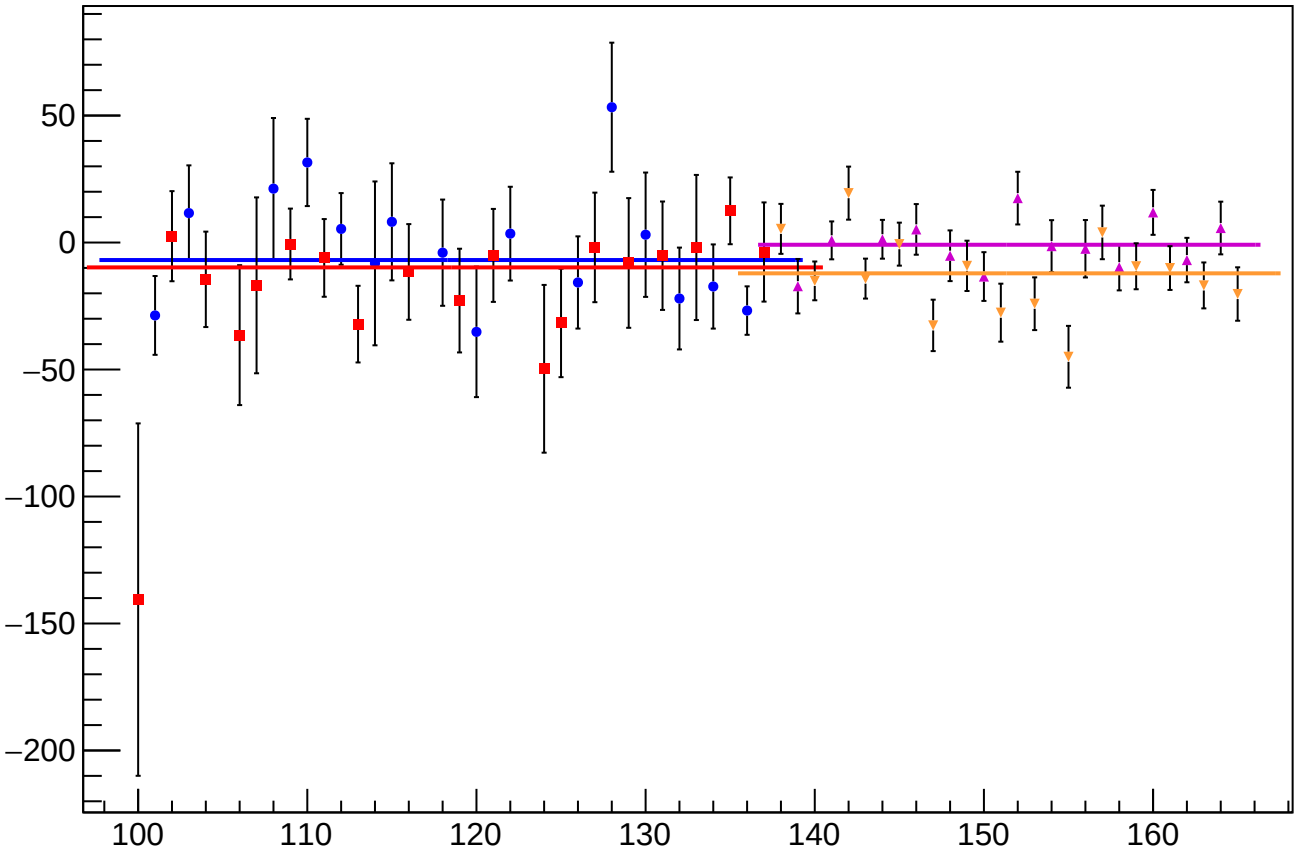
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.540+/-0.002 χ^2/NDF:755785.8/12

+ sign 7.280+/-0.001 χ^2/NDF: 1091593.8/30

All: 7.342+/-0.001 χ^2/NDF: 1974129.8/62

- sign 7.408+/-0.001 χ^2/NDF: 877074.0/31



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -12.129+/-2.451 χ^2/NDF:32.4/14

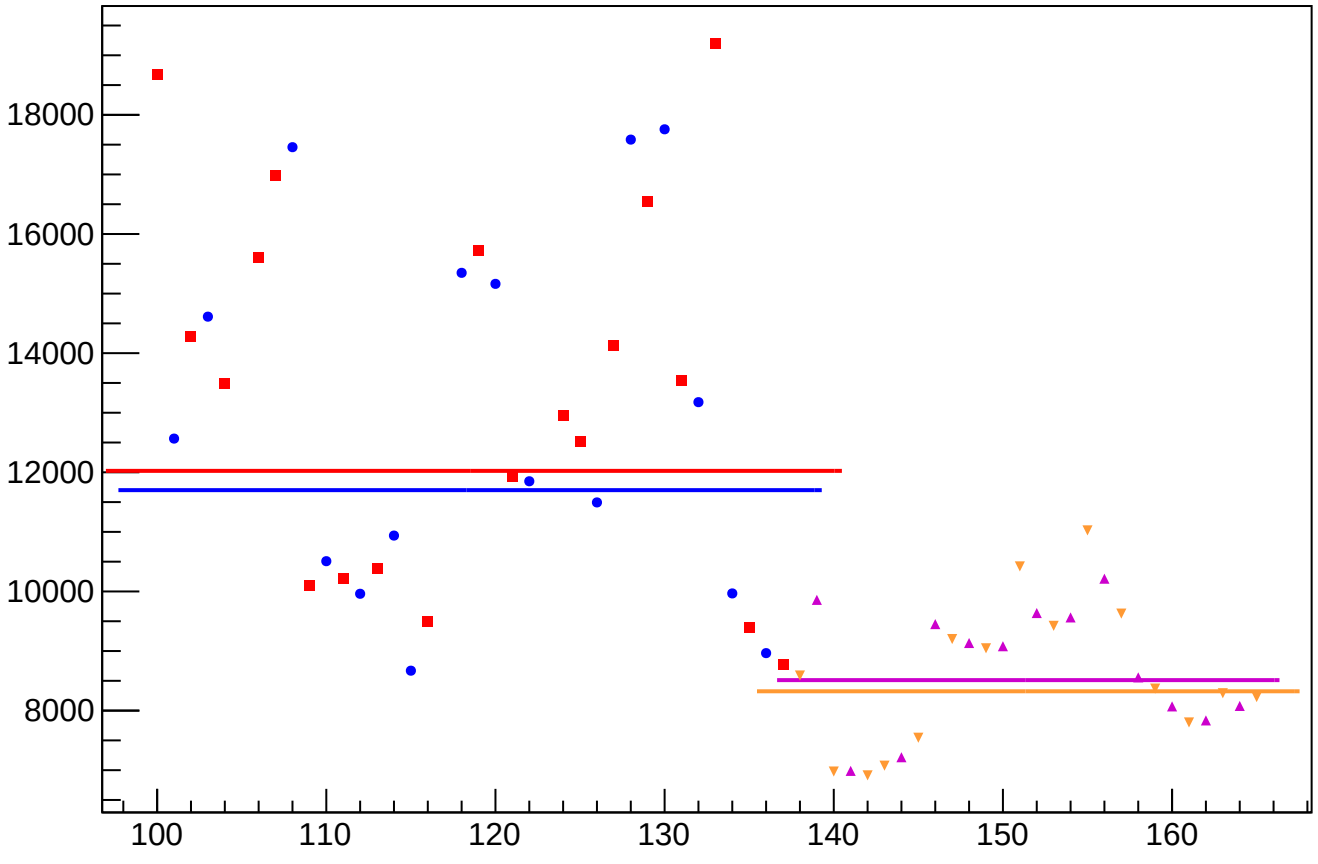
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -0.875+/-2.594 χ^2/NDF:11.8/12

+ sign -10.925+/-2.151 χ^2/NDF: 56.5/30

All: -7.180+/-1.555 χ^2/NDF: 91.5/62

- sign -3.086+/-2.249 χ^2/NDF: 28.7/31



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8324.199+/-1.733 χ^2/NDF:419650.2/14

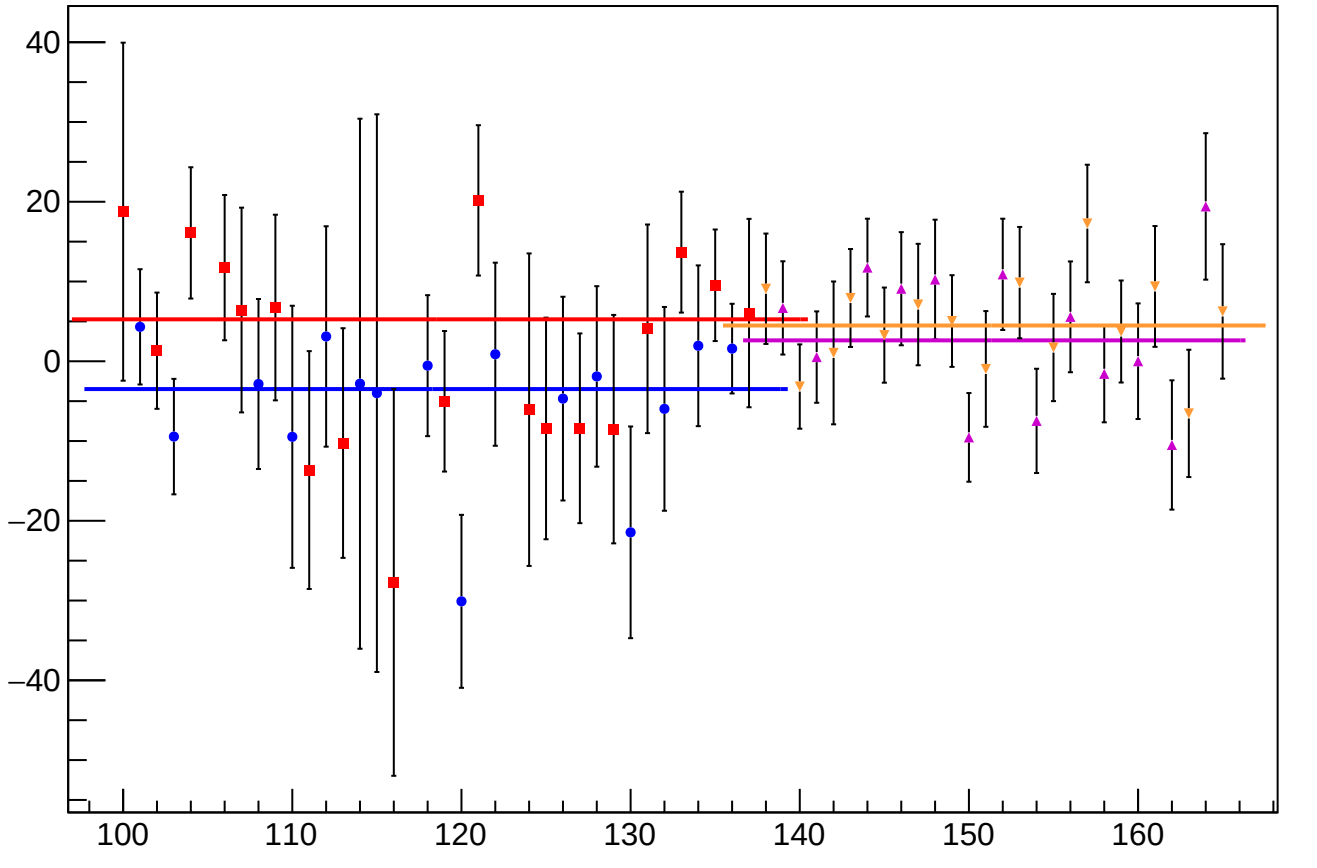
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8511.728+/-1.834 χ^2/NDF:315572.7/12

+ sign 9099.994+/-1.521 χ^2/NDF: 2031587.5/30

All: 9235.068+/-1.099 χ^2/NDF: 3957811.0/62

- sign 9382.733+/-1.591 χ^2/NDF: 1909721.9/31



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.484+/-1.759 χ^2/NDF:9.9/14

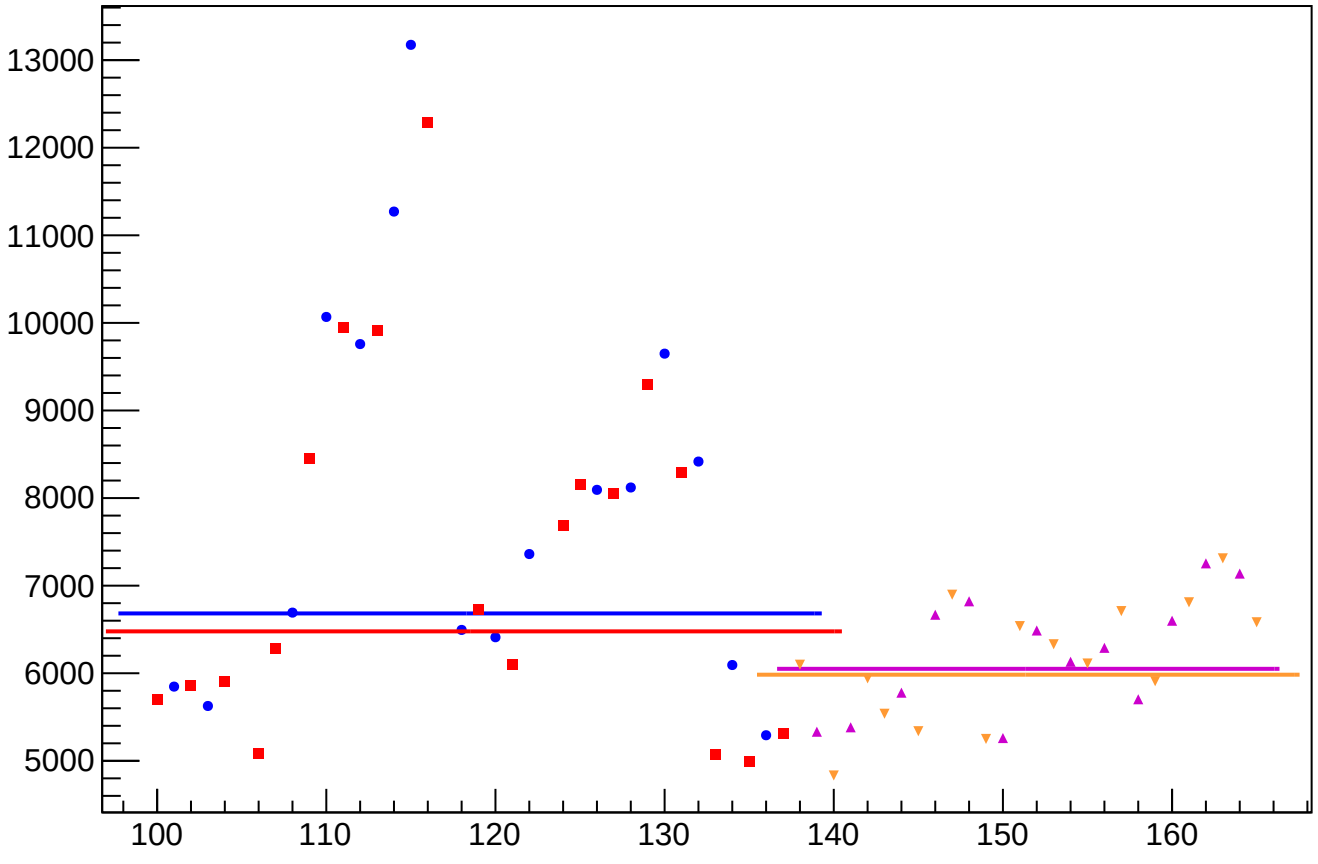
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 2.621+/-1.844 χ^2/NDF:20.0/12

+ sign 1.914+/-1.448 χ^2/NDF: 28.0/30

All: 2.731+/-1.032 χ^2/NDF: 66.0/62

- sign 3.577+/-1.472 χ^2/NDF: 37.4/31



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5983.466+/-1.244 χ^2/NDF:316997.7/14

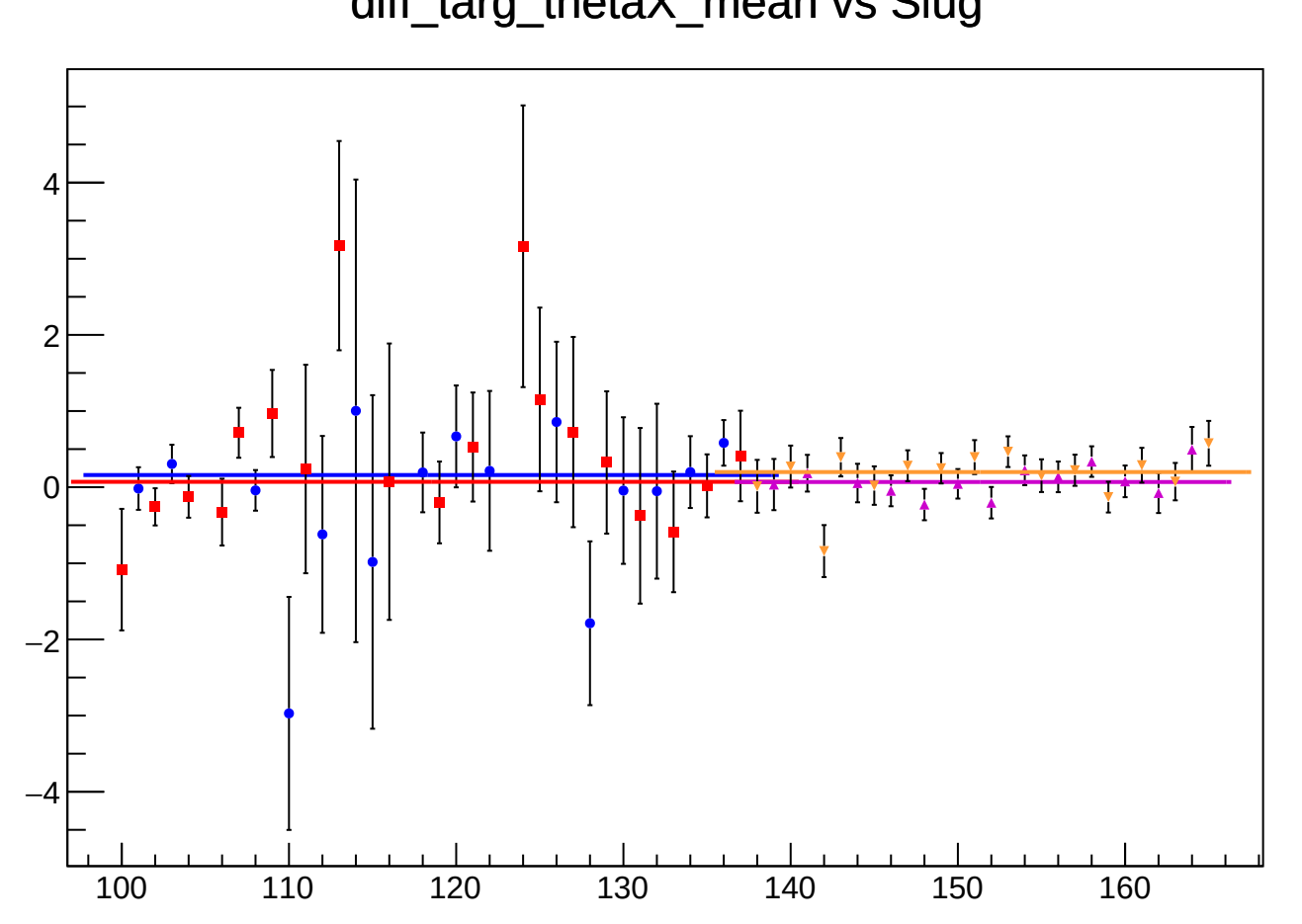
Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6050.502+/-1.304 χ^2/NDF:238708.1/12

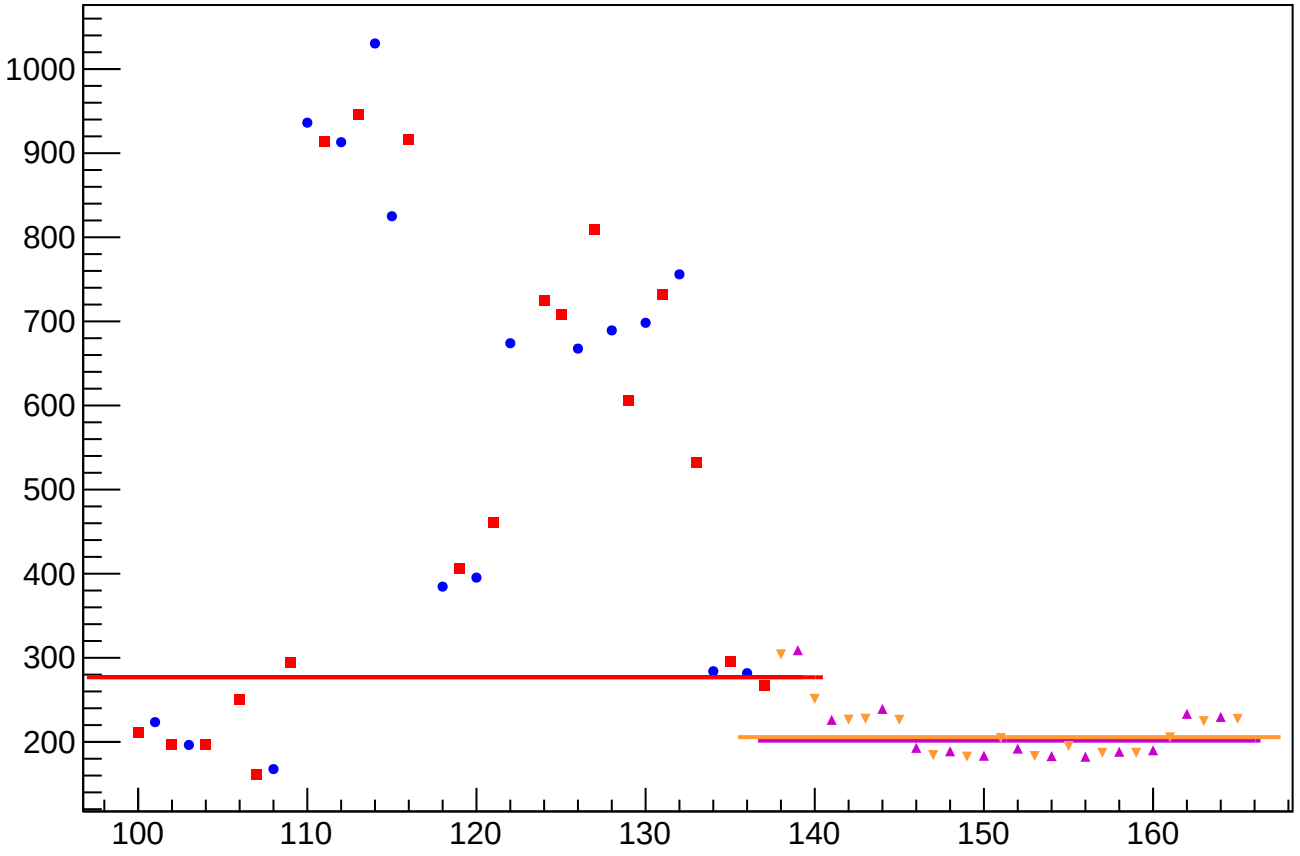
+ sign 6209.112+/-1.024 χ^2/NDF: 1111183.6/30

All: 6207.288+/-0.730 χ^2/NDF: 2228099.9/62

- sign 6205.402+/-1.041 χ^2/NDF: 1116909.8/31


diff_targ_thetaX_mean vs Slug
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: 0.160+/-0.120 χ²/NDF: 12.6/15
Left Out: 0.199+/-0.061 χ²/NDF:18.2/14
Right Out: 0.070+/-0.120 χ²/NDF: 22.5/18
Left In: 0.068+/-0.062 χ²/NDF:9.2/12
+ sign 0.191+/-0.054 χ²/NDF: 30.9/30
All: 0.131+/-0.038 χ²/NDF: 65.1/62
- sign 0.069+/-0.055 χ²/NDF: 31.7/31

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 205.675+/-0.043 χ^2/NDF:386223.1/14

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

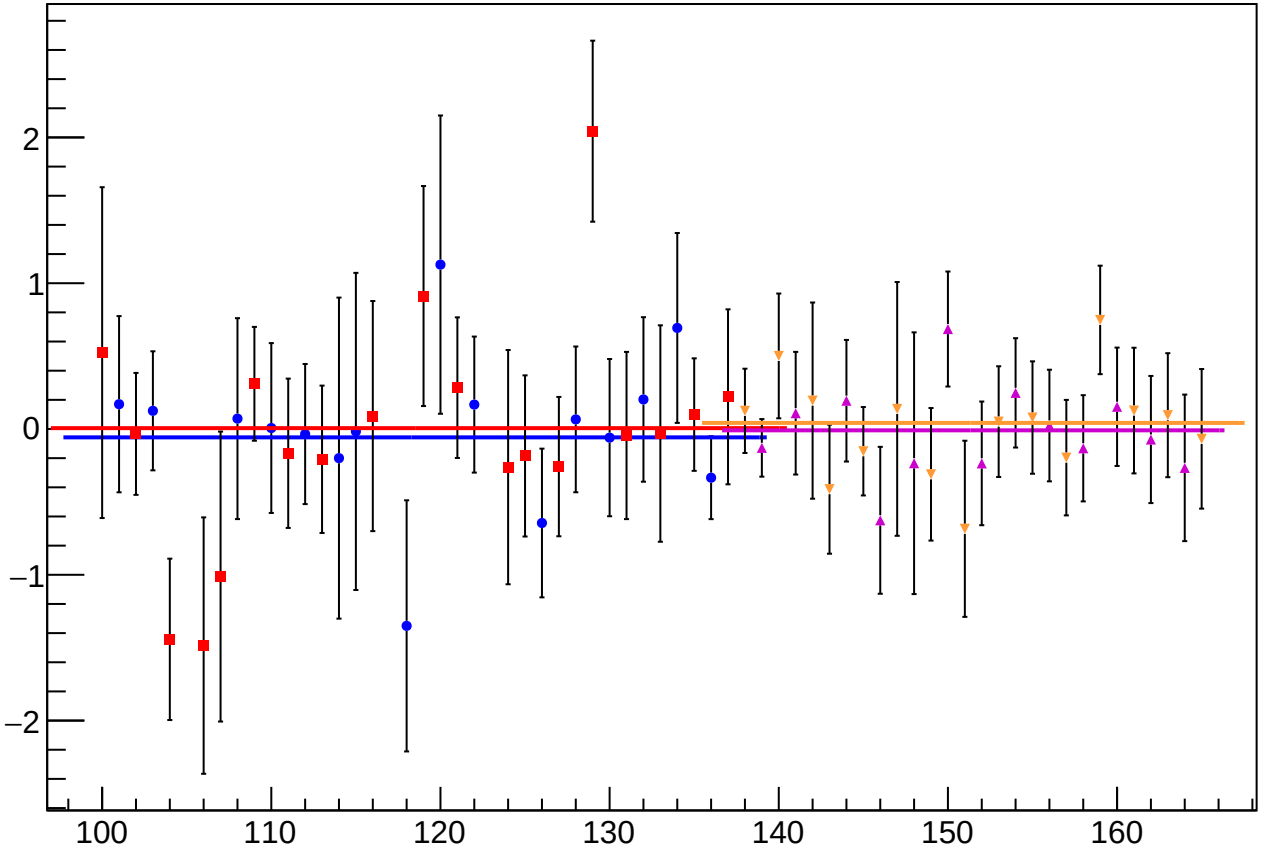
Left In: 201.511+/-0.044 χ^2/NDF:399961.0/12

+ sign 220.232+/-0.038 χ^2/NDF: 4403365.8/30

All: 218.773+/-0.027 χ^2/NDF: 9004718.8/62

- sign 217.275+/-0.039 χ^2/NDF: 4598396.3/31

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.042+/-0.107 χ^2/NDF:8.9/14

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

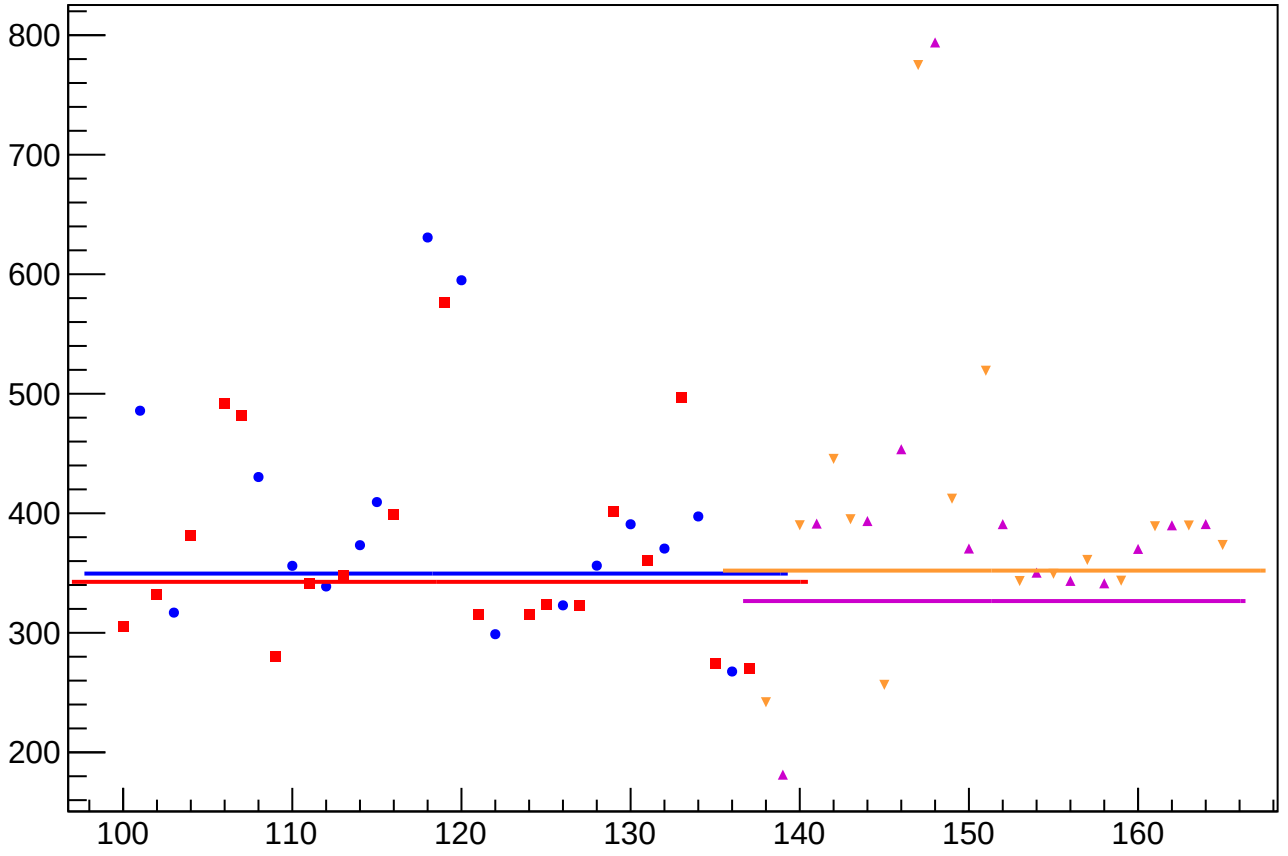
Left In: -0.009+/-0.105 χ^2/NDF:6.7/12

+ sign 0.003+/-0.084 χ^2/NDF: 17.3/30

All: -0.000+/-0.058 χ^2/NDF: 49.2/62

- sign -0.003+/-0.081 χ^2/NDF: 31.8/31

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 352.048+/-0.076 χ^2/NDF:1260678.4/14

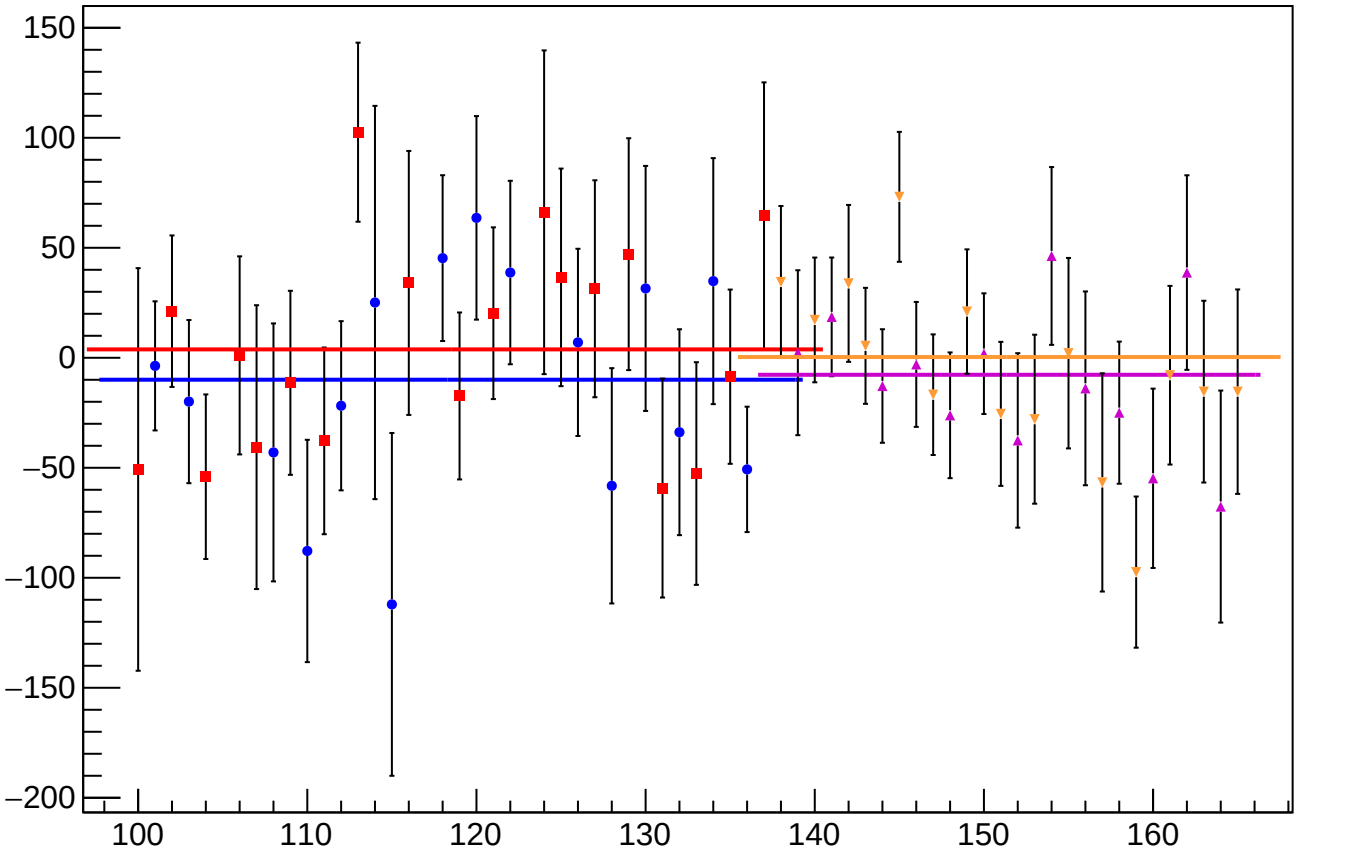
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 326.568+/-0.074 χ^2/NDF:2033721.2/12

+ sign 351.075+/-0.059 χ^2/NDF: 1960403.3/30

All: 341.769+/-0.041 χ^2/NDF: 4636761.0/62

- sign 332.967+/-0.058 χ^2/NDF: 2628190.1/31



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.339+/-8.740 χ^2/NDF:20.1/14

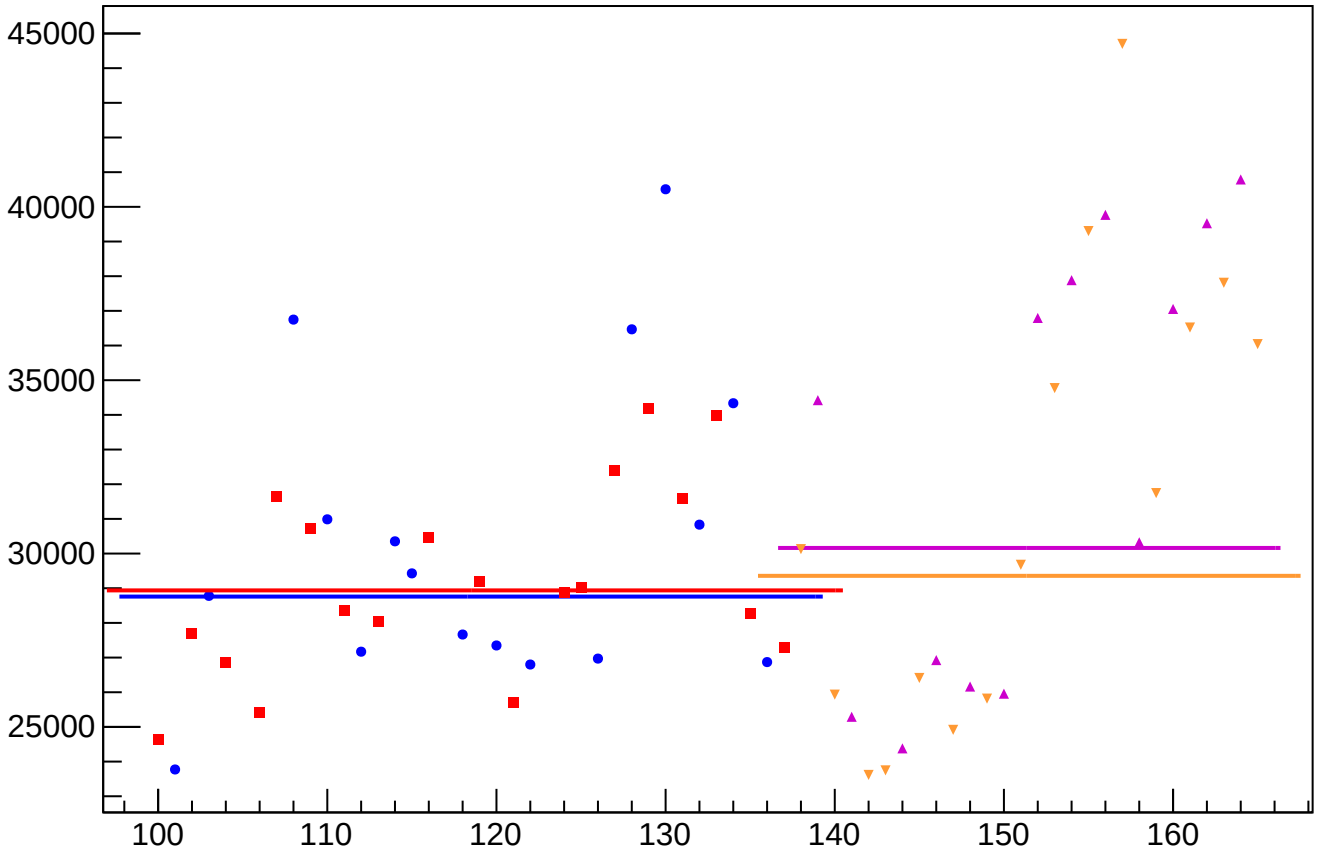
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -7.729+/-9.295 χ^2/NDF:8.0/12

+ sign -3.724+/-6.803 χ^2/NDF: 36.0/30

All: -3.242+/-4.878 χ^2/NDF: 62.0/62

- sign -2.731+/-6.999 χ^2/NDF: 26.0/31



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29357.532+/-6.180 χ^2/NDF:810258.4/14

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

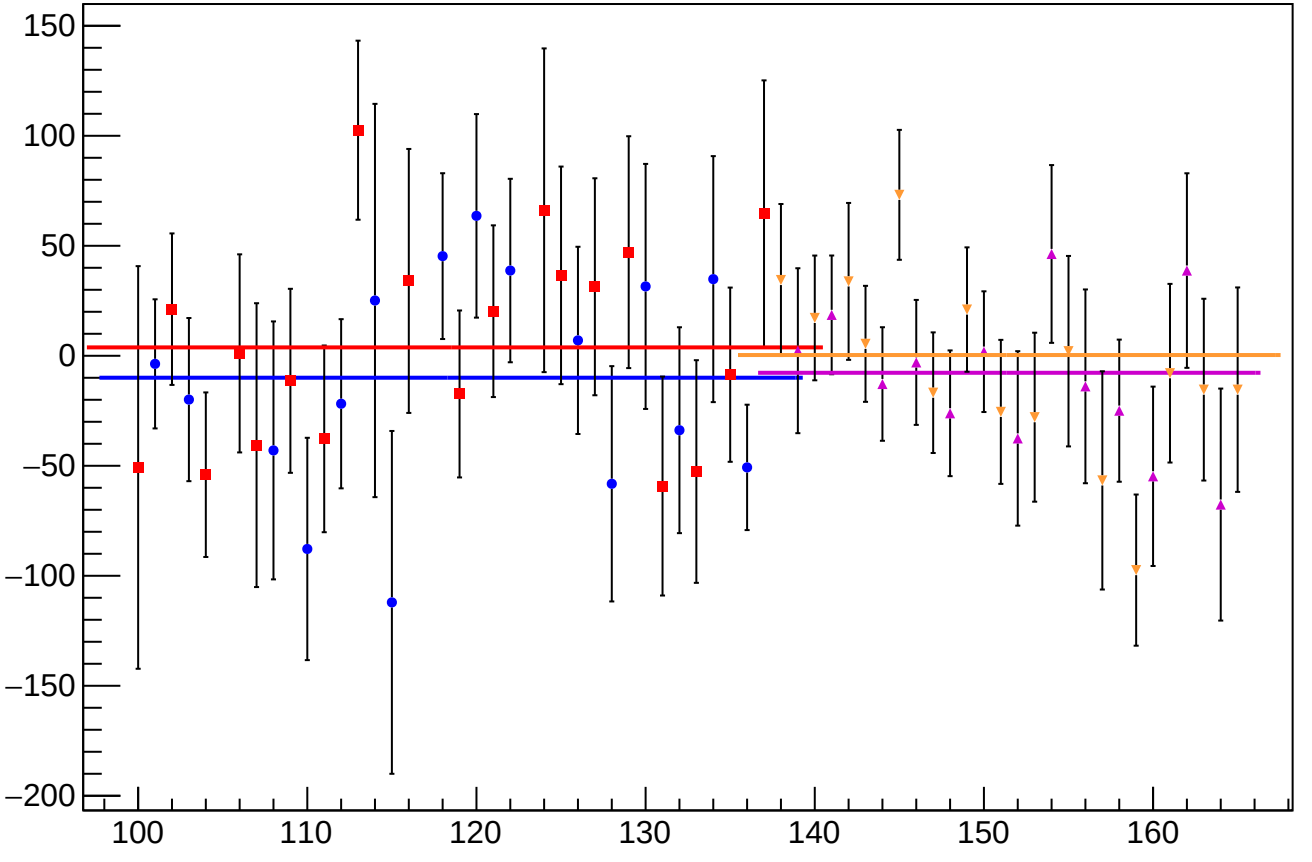
Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

+ sign 29121.652+/-4.811 χ^2/NDF: 1091593.8/30

All: 29369.459+/-3.450 χ^2/NDF: 1974129.8/6

- sign 29631.738+/-4.949 χ^2/NDF: 877074.0/31

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.339+/-8.740 χ^2/NDF:20.1/14

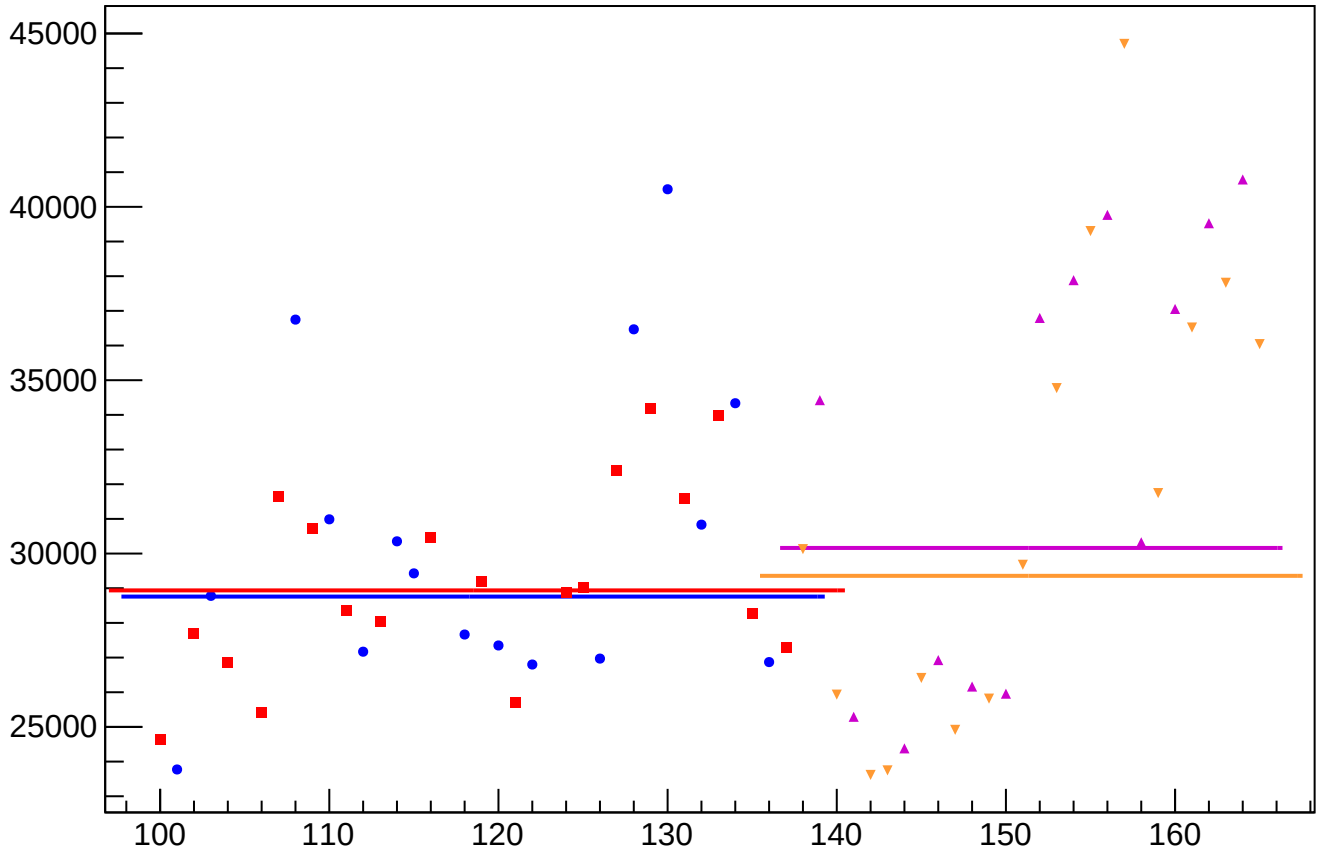
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -7.729+/-9.295 χ^2/NDF:8.0/12

+ sign -3.724+/-6.803 χ^2/NDF: 36.0/30

All: -3.242+/-4.878 χ^2/NDF: 62.0/62

- sign -2.731+/-6.999 χ^2/NDF: 26.0/31



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29357.532+/-6.180 χ^2/NDF:810258.4/14

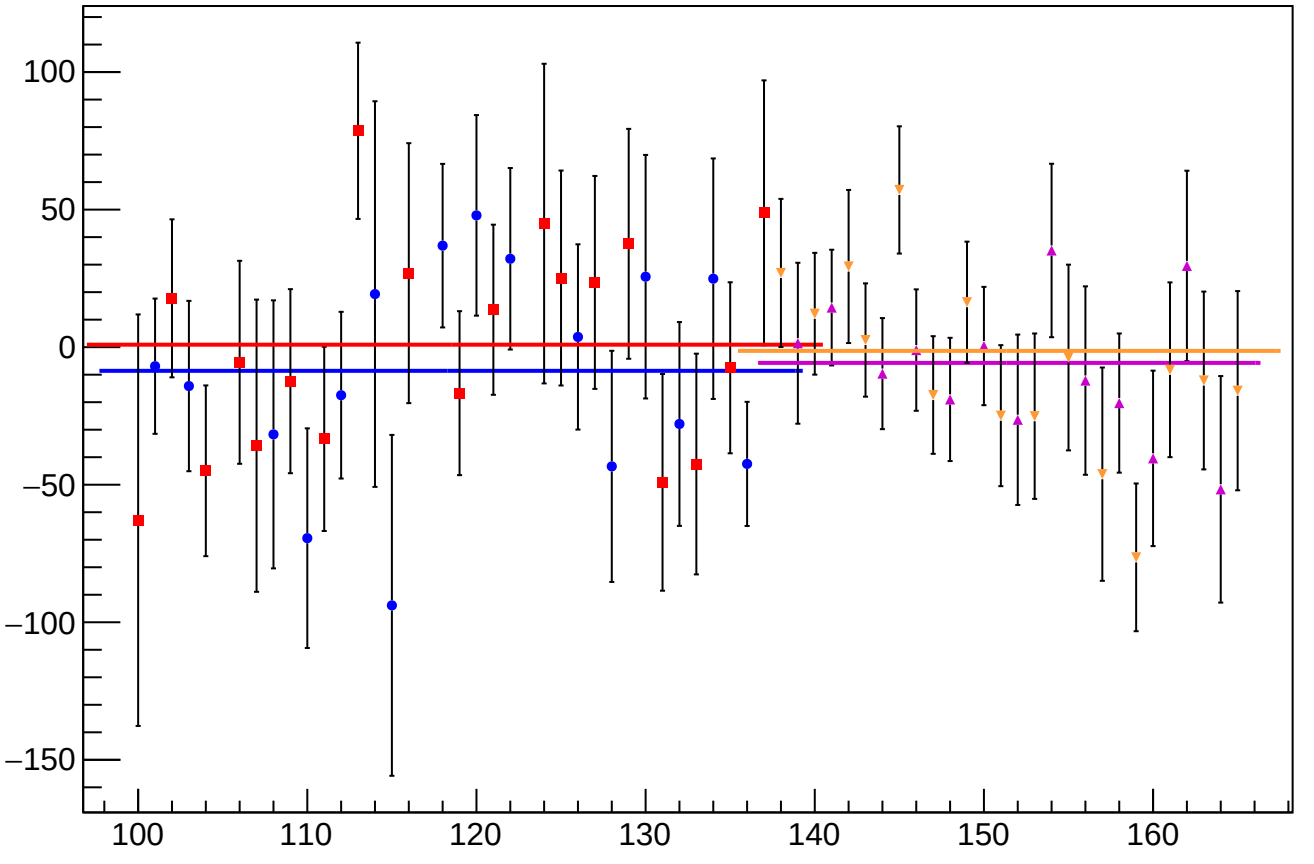
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

+ sign 29121.652+/-4.811 χ^2/NDF: 1091593.8/30

All: 29369.459+/-3.450 χ^2/NDF: 1974129.8/6

- sign 29631.738+/-4.949 χ^2/NDF: 877074.0/31



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -1.346+/-6.826 χ^2/NDF:21.3/14

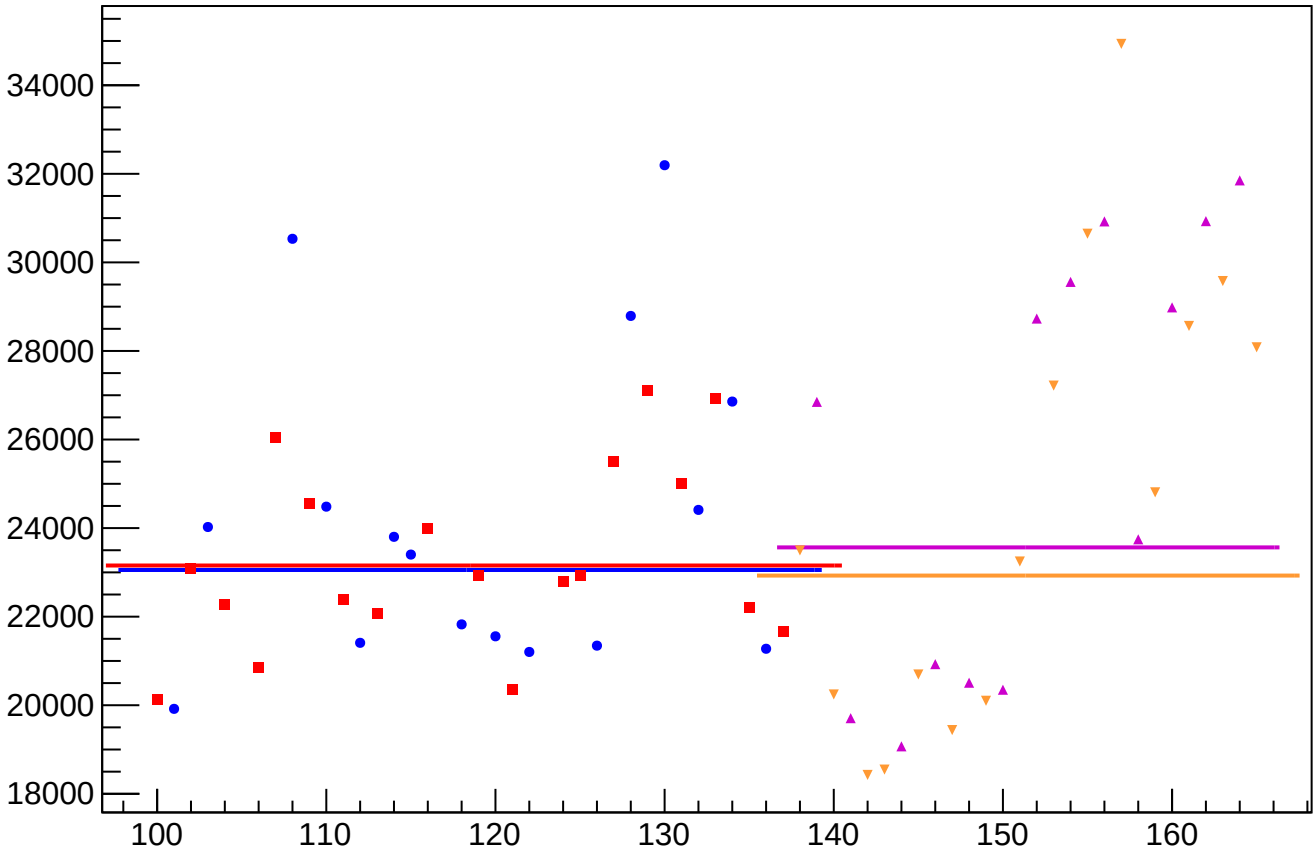
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -5.715+/-7.261 χ^2/NDF:7.5/12

+ sign -4.119+/-5.365 χ^2/NDF: 37.2/30

All: -3.539+/-3.848 χ^2/NDF: 62.6/62

- sign -2.925+/-5.523 χ^2/NDF: 25.4/31



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 22927.973+/-4.827 χ^2/NDF:813474.8/14

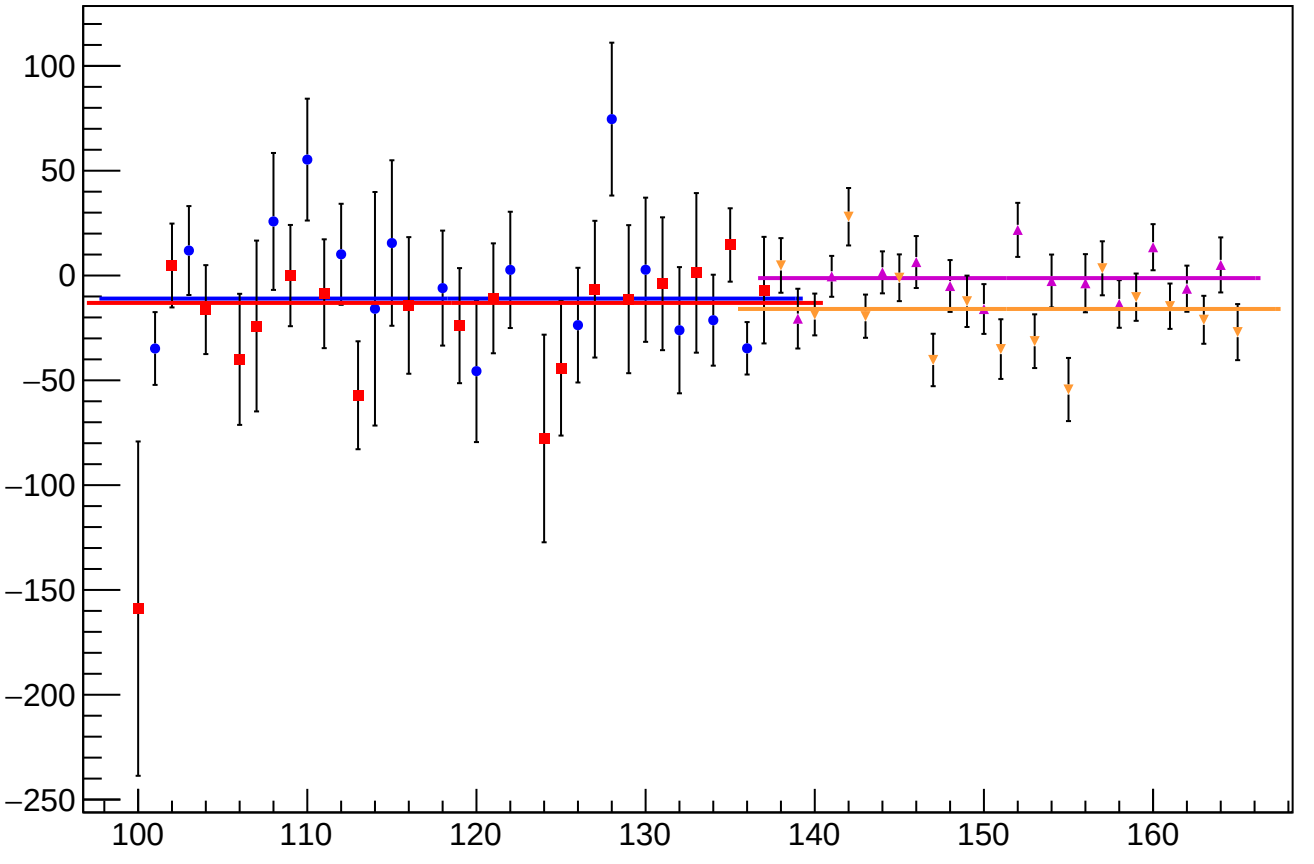
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 23564.164+/-5.135 χ^2/NDF:751974.7/12

+ sign 22976.109+/-3.794 χ^2/NDF: 1075179.8/30

All: 23177.944+/-2.721 χ^2/NDF: 1929551.0/6

- sign 23391.783+/-3.905 χ^2/NDF: 848542.5/31



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -15.953+/-3.118 χ^2/NDF:31.9/14

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

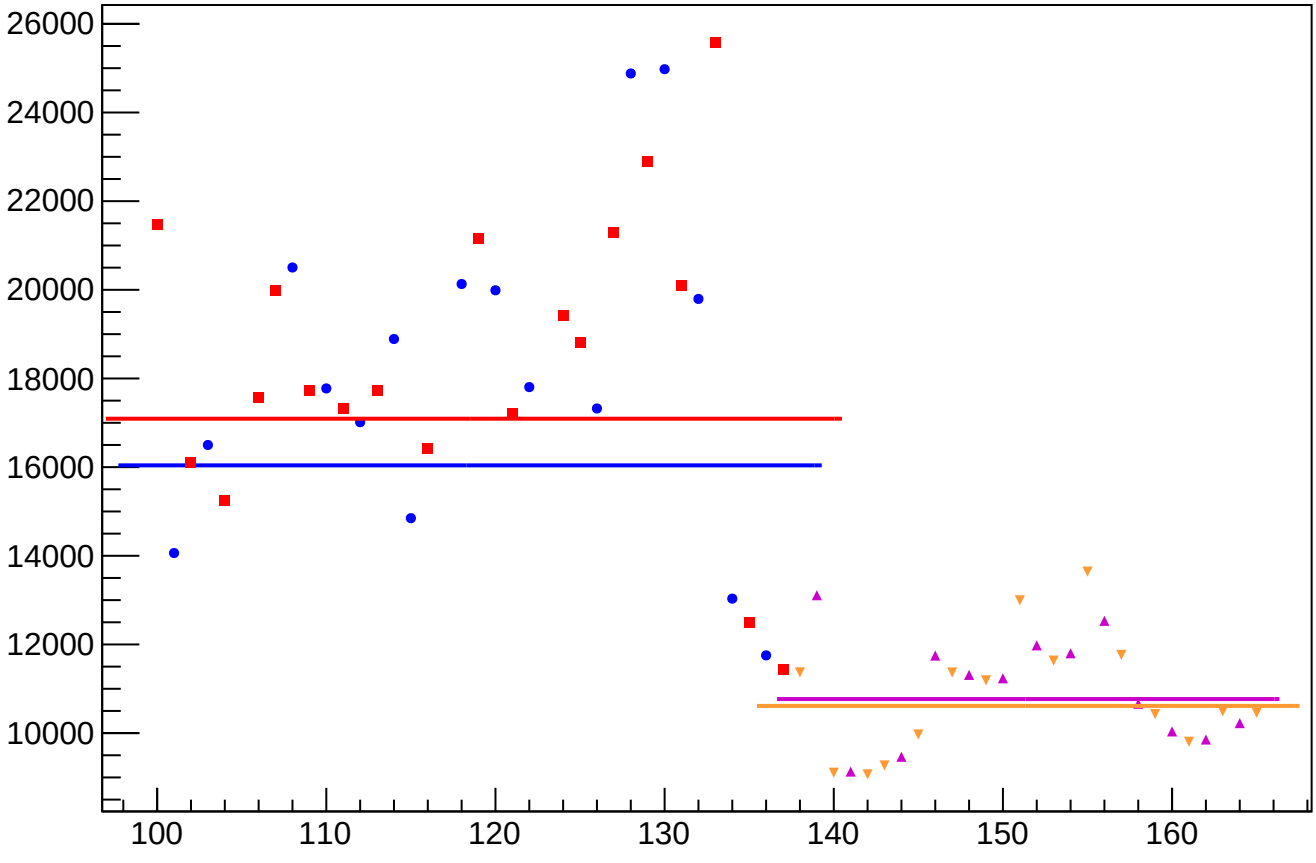
Left In: -1.234+/-3.277 χ^2/NDF:10.6/12

+ sign -14.942+/-2.781 χ^2/NDF: 54.4/30

All: -9.587+/-2.012 χ^2/NDF: 89.3/62

- sign -3.704+/-2.915 χ^2/NDF: 27.2/31

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10613.483+/-2.205 χ^2/NDF:307908.1/14

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

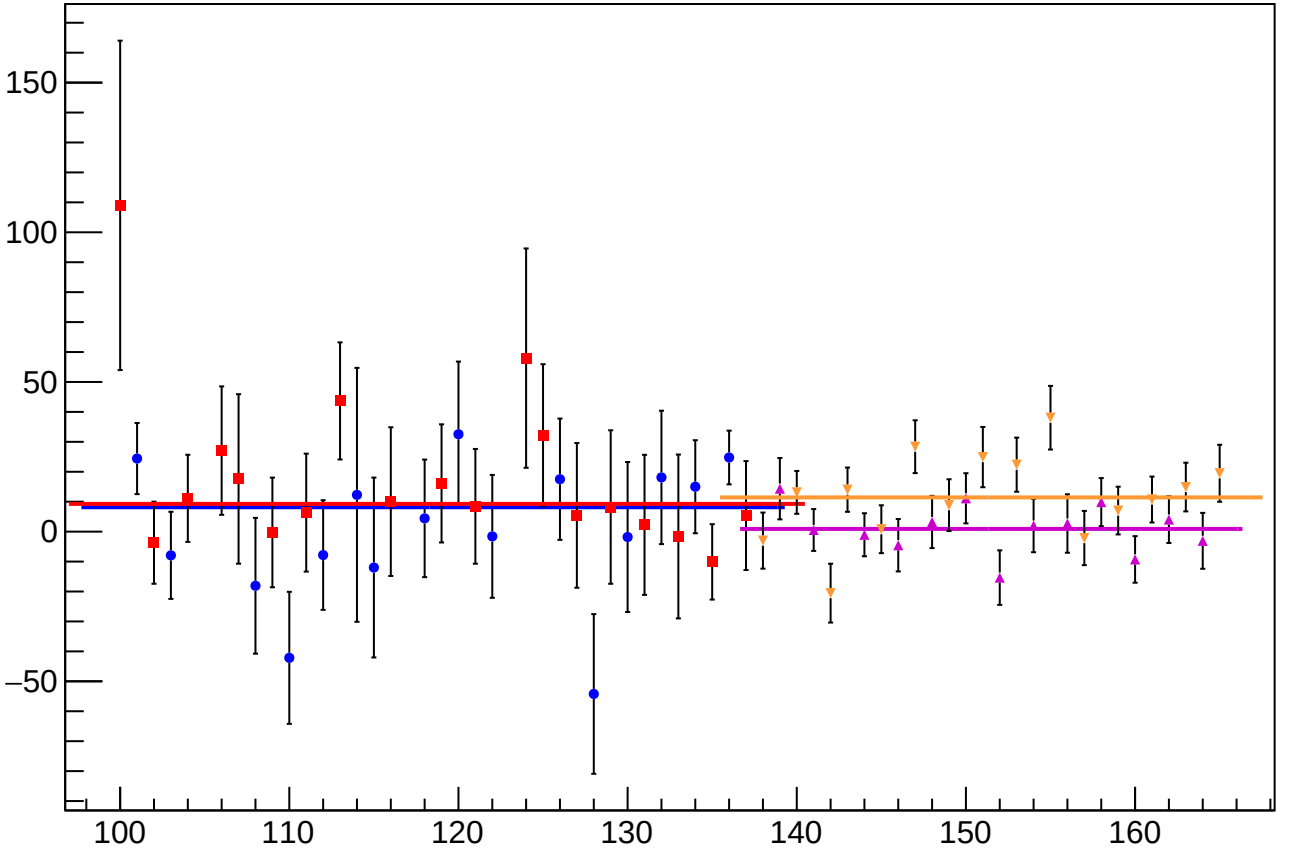
Left In: 10768.678+/-2.317 χ^2/NDF:253098.3/12

+ sign 11721.508+/-1.967 χ^2/NDF: 2267818.5/30

All: 11896.319+/-1.423 χ^2/NDF: 4626994.8/6

- sign 12088.404+/-2.061 χ^2/NDF: 2342592.9/31

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 11.432+/-2.217 χ^2/NDF:31.7/14

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

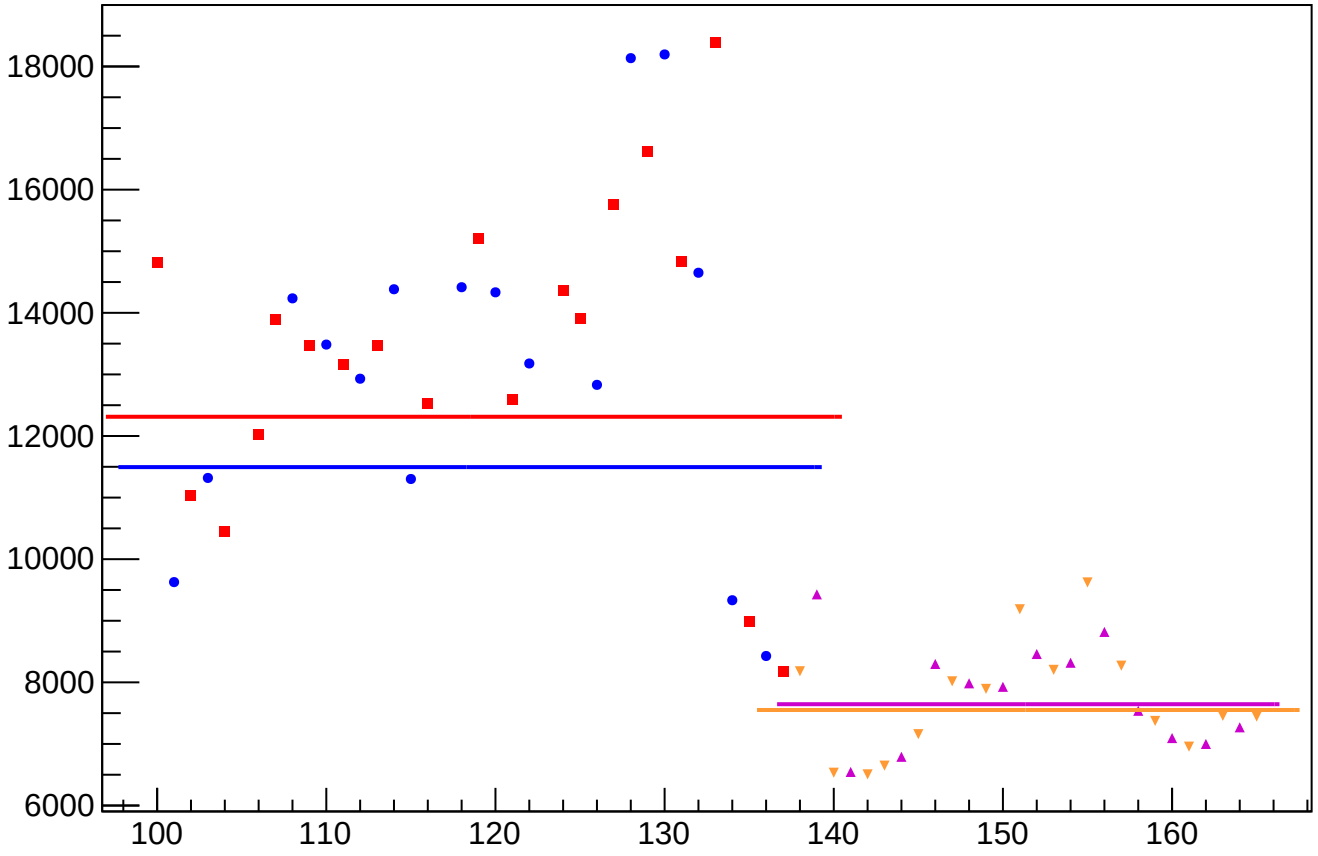
Left In: 0.910+/-2.326 χ^2/NDF:10.3/12

+ sign 10.773+/-1.982 χ^2/NDF: 53.9/30

All: 6.881+/-1.434 χ^2/NDF: 88.8/62

- sign 2.608+/-2.076 χ^2/NDF: 26.8/31

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7551.337+/-1.567 χ^2/NDF:280968.5/14

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

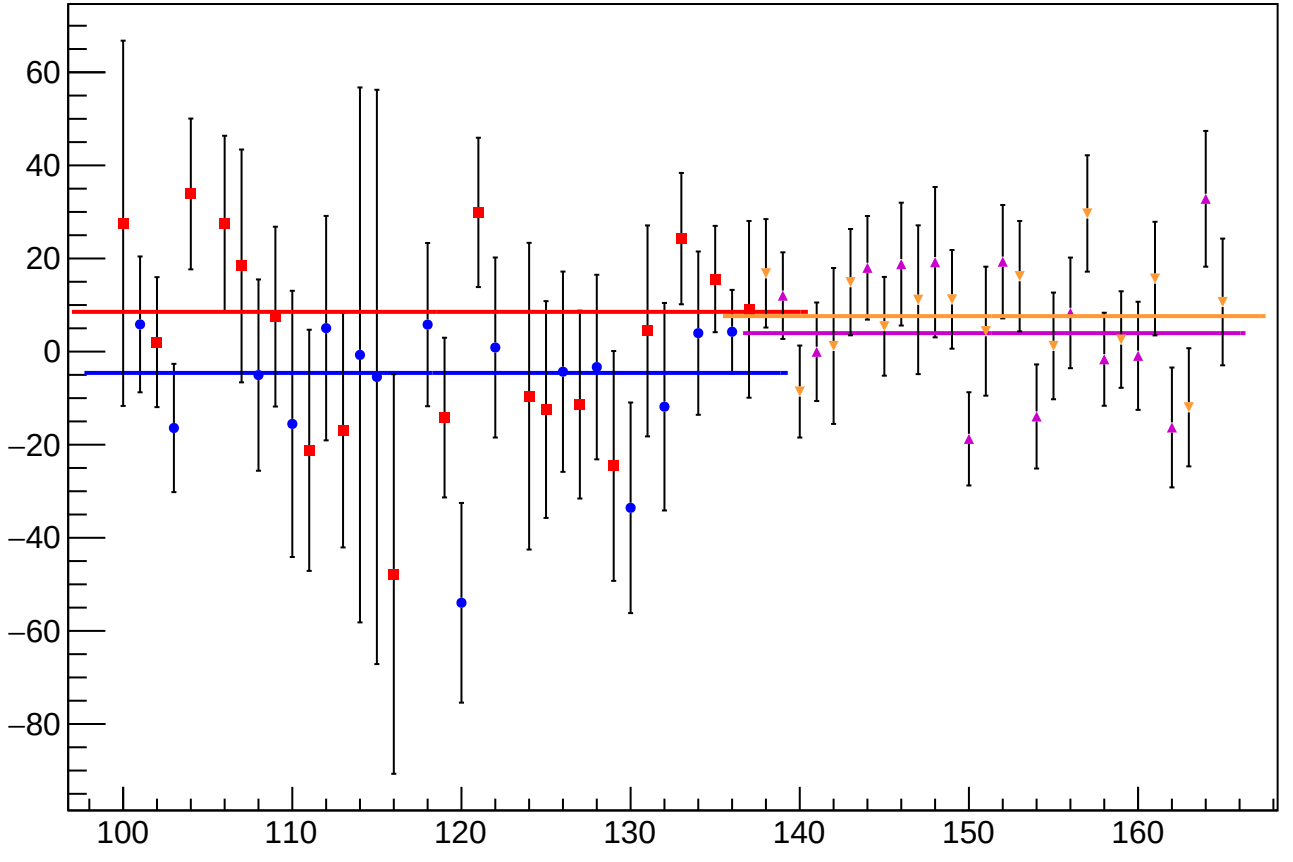
Left In: 7645.250+/-1.645 χ^2/NDF:238278.2/12

+ sign 8343.113+/-1.401 χ^2/NDF: 2341803.2/30

All: 8462.354+/-1.014 χ^2/NDF: 4829657.7/62

- sign 8593.253+/-1.468 χ^2/NDF: 2472665.4/31

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 7.620+/-3.093 χ^2/NDF:11.2/14

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

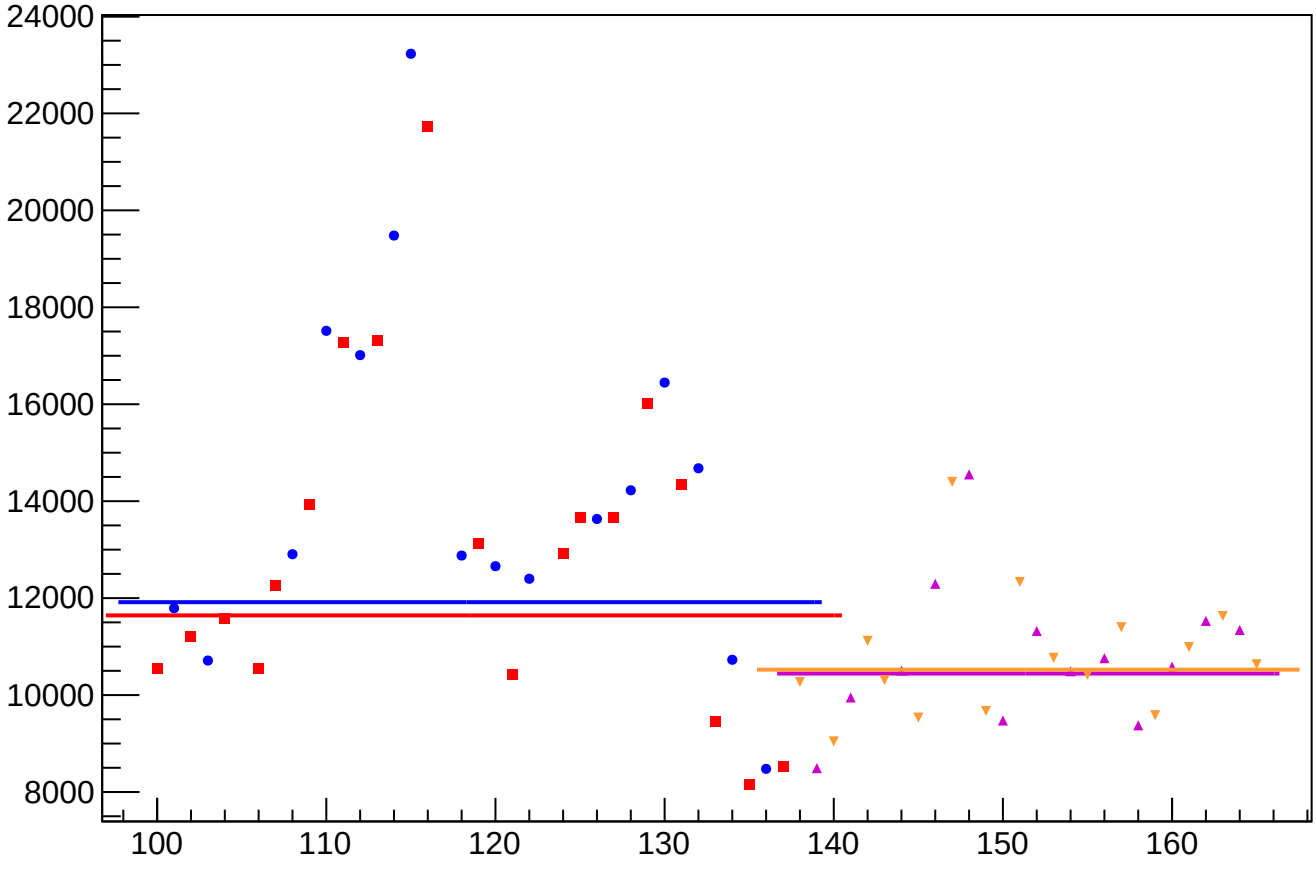
Left In: 3.967+/-3.193 χ^2/NDF:21.0/12

+ sign 3.769+/-2.559 χ^2/NDF: 26.3/30

All: 4.650+/-1.818 χ^2/NDF: 65.4/62

- sign 5.547+/-2.583 χ^2/NDF: 38.8/31

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10524.333+/-2.187 χ^2/NDF:276643.6/14

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

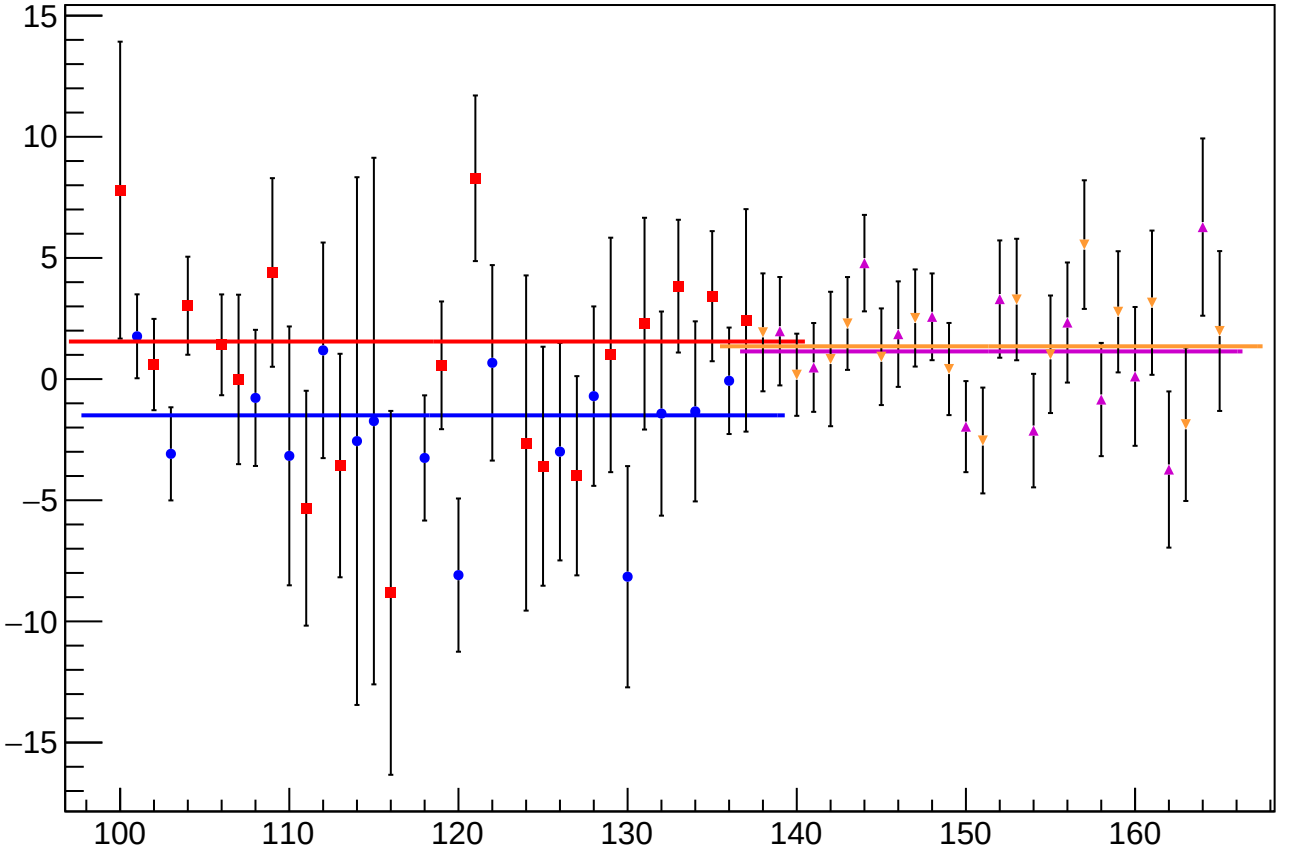
Left In: 10443.586+/-2.258 χ^2/NDF:336843.4/12

+ sign 10963.755+/-1.809 χ^2/NDF: 1154295.1/30

All: 10911.586+/-1.285 χ^2/NDF: 2380857.9/6

- sign 10858.441+/-1.826 χ^2/NDF: 1224884.4/31

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.353+/-0.593 χ^2/NDF:9.5/14

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

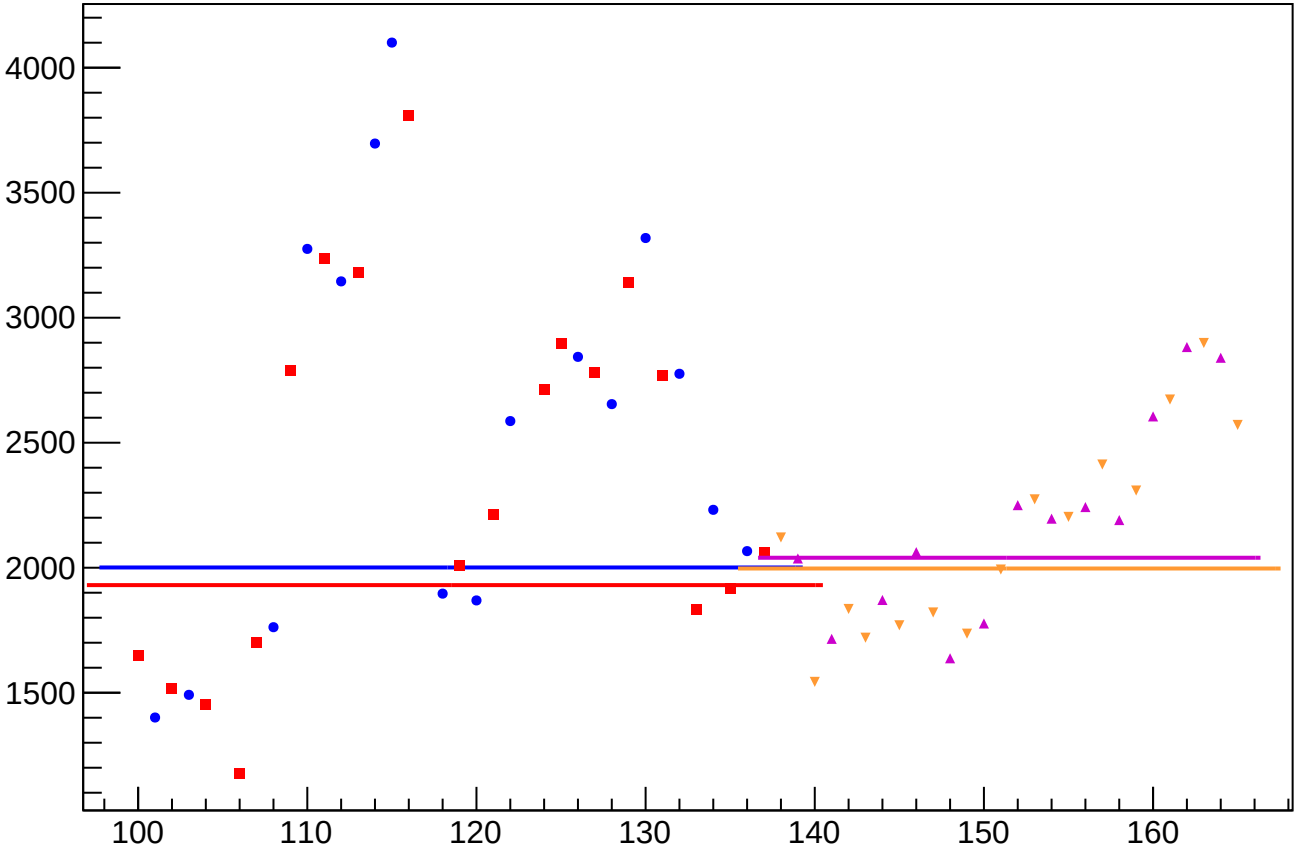
Left In: 1.142+/-0.627 χ^2/NDF:15.2/12

+ sign 0.306+/-0.472 χ^2/NDF: 30.5/30

All: 0.801+/-0.336 χ^2/NDF: 64.4/62

- sign 1.311+/-0.479 χ^2/NDF: 31.6/31

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1996.870+/-0.420 χ^2/NDF:720854.6/14

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

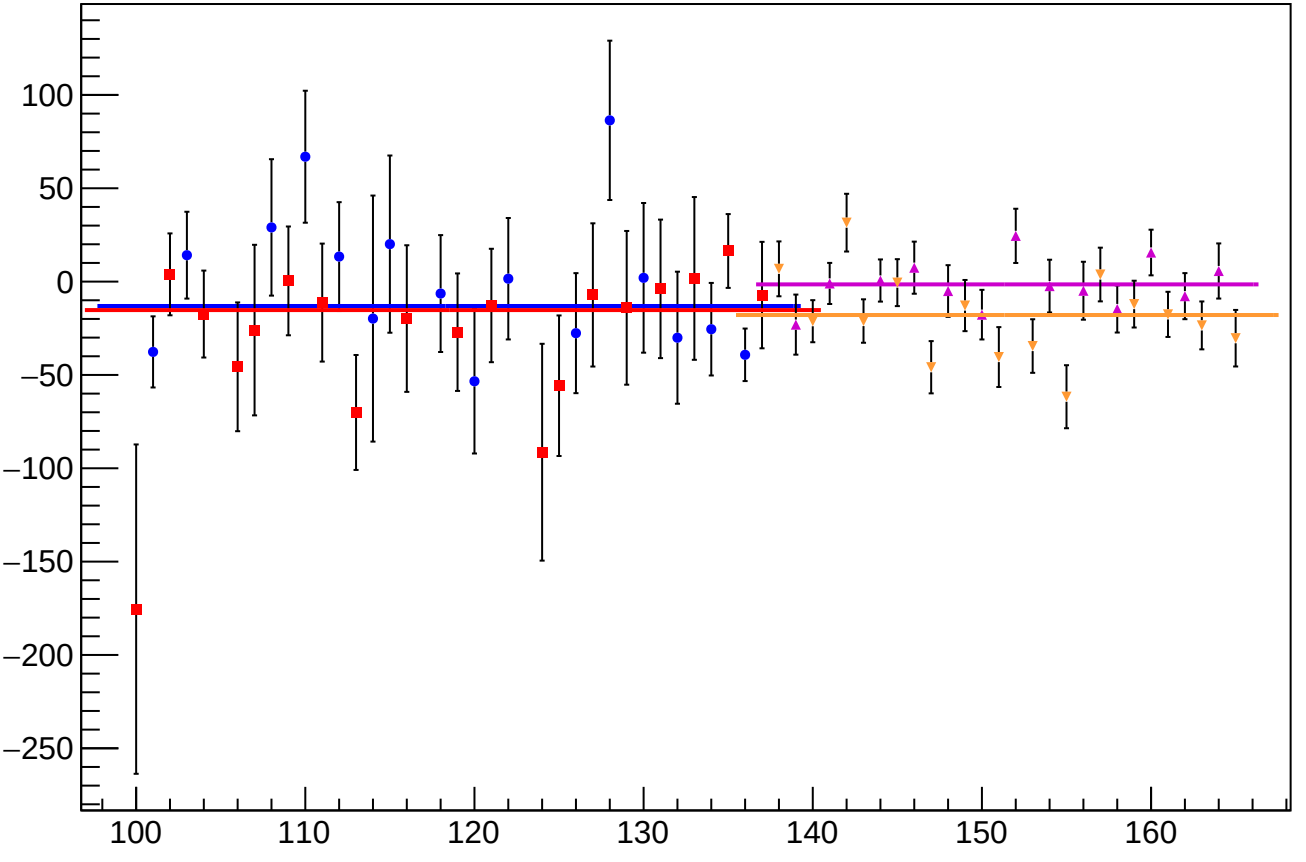
Left In: 2039.882+/-0.443 χ^2/NDF:573206.2/12

+ sign 1998.388+/-0.334 χ^2/NDF: 1910674.4/30

All: 1996.478+/-0.238 χ^2/NDF: 3912802.0/62

- sign 1994.507+/-0.339 χ^2/NDF: 2002061.0/31

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -17.899+/-3.502 χ^2/NDF:32.7/14

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

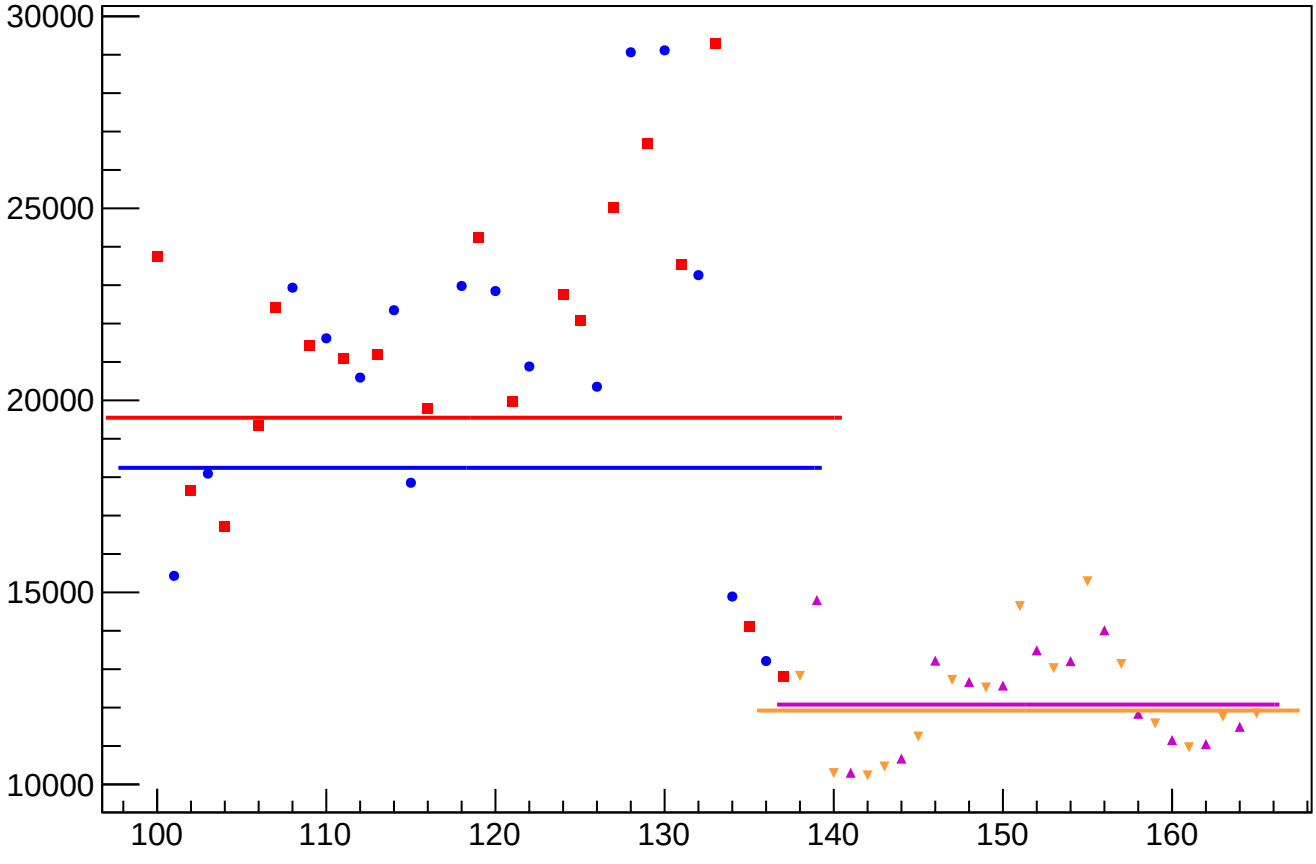
Left In: -1.487+/-3.676 χ^2/NDF:10.6/12

+ sign -16.938+/-3.134 χ^2/NDF: 54.9/30

All: -10.897+/-2.268 χ^2/NDF: 90.4/62

- sign -4.259+/-3.285 χ^2/NDF: 27.8/31

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11923.692+/-2.476 χ^2/NDF:297924.7/14

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

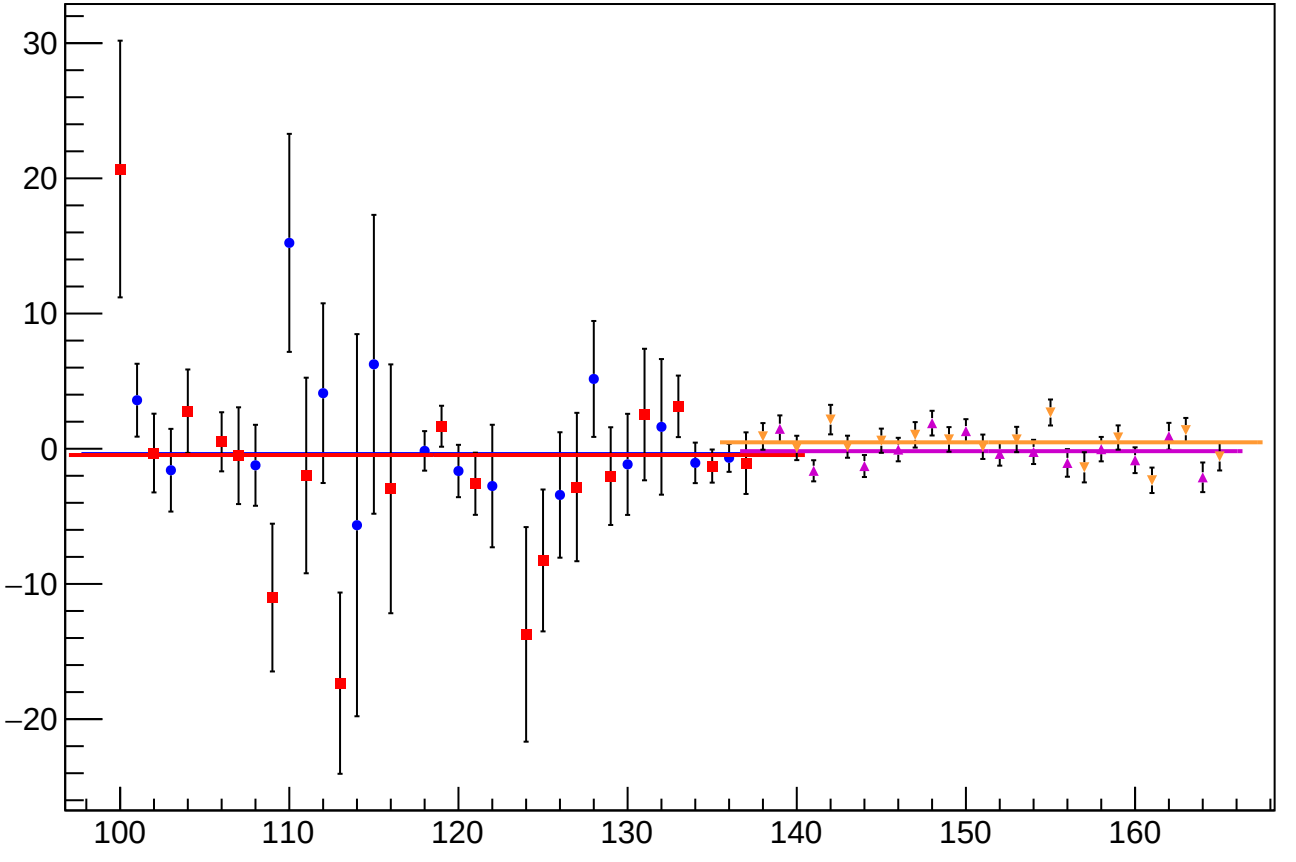
Left In: 12078.281+/-2.599 χ^2/NDF:251914.2/12

+ sign 13180.998+/-2.216 χ^2/NDF: 2413771.2/30

All: 13372.311+/-1.603 χ^2/NDF: 4966202.7/6

- sign 13582.504+/-2.323 χ^2/NDF: 2536790.8/31

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.476+/-0.243 χ^2/NDF:22.6/14

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

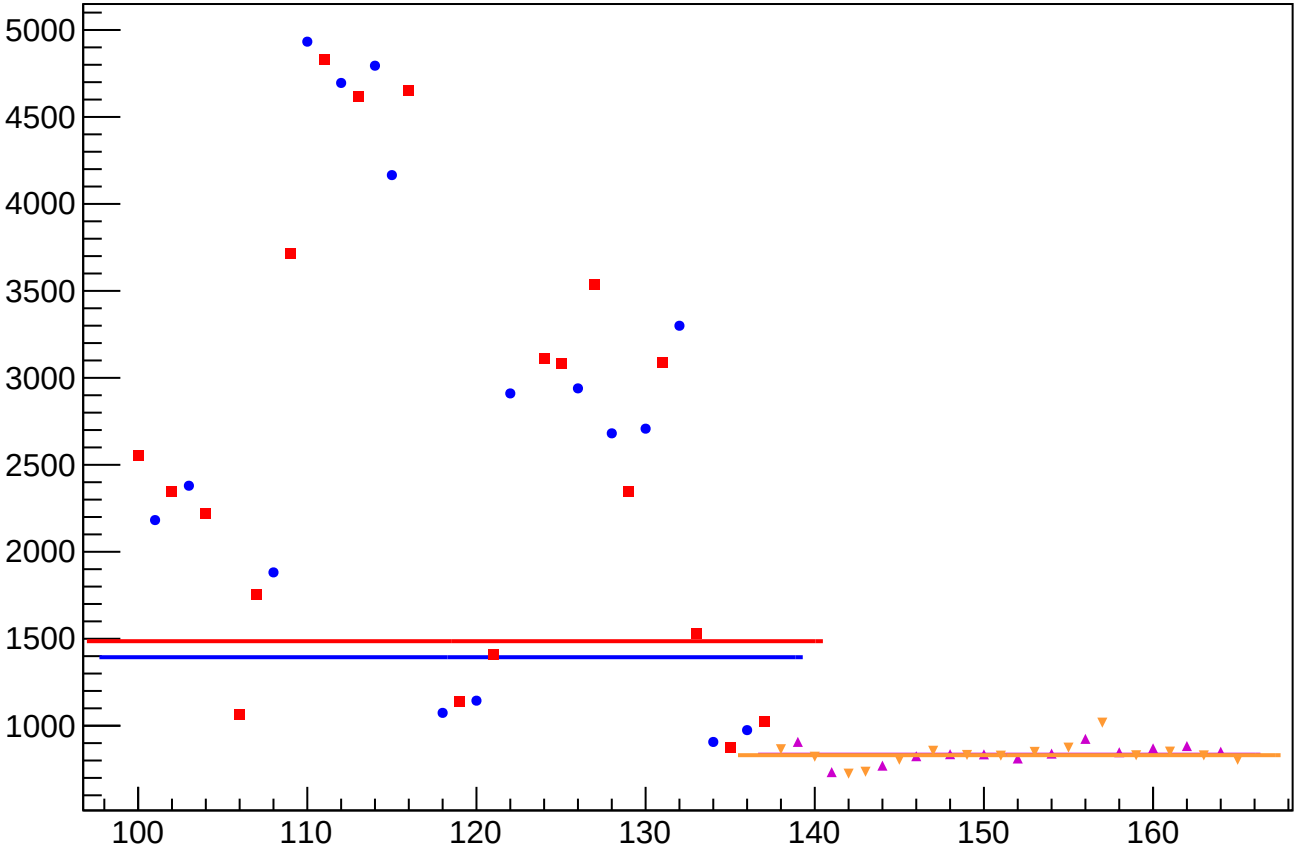
Left In: -0.180+/-0.253 χ^2/NDF:21.7/12

+ sign 0.353+/-0.225 χ^2/NDF: 34.9/30

All: 0.079+/-0.162 χ^2/NDF: 87.9/62

- sign -0.219+/-0.235 χ^2/NDF: 50.0/31

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 830.655+/-0.172 χ^2/NDF:115260.7/14

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

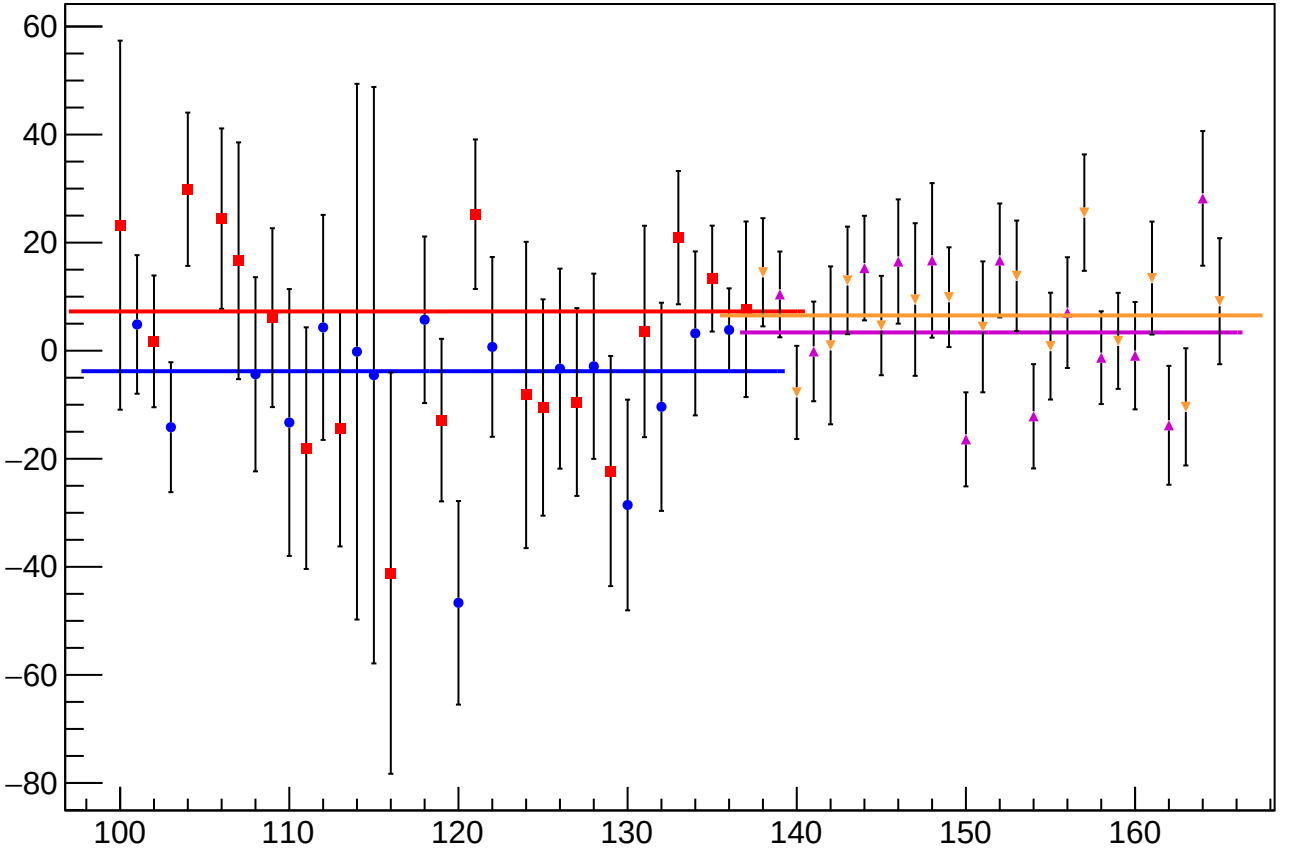
Left In: 833.495+/-0.179 χ^2/NDF:82313.4/12

+ sign 909.867+/-0.159 χ^2/NDF: 5010273.4/30

All: 916.115+/-0.115 χ^2/NDF: 10323332.8/62

- sign 922.908+/-0.166 χ^2/NDF: 5309842.2/31

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.530+/-2.676 χ^2/NDF:11.3/14

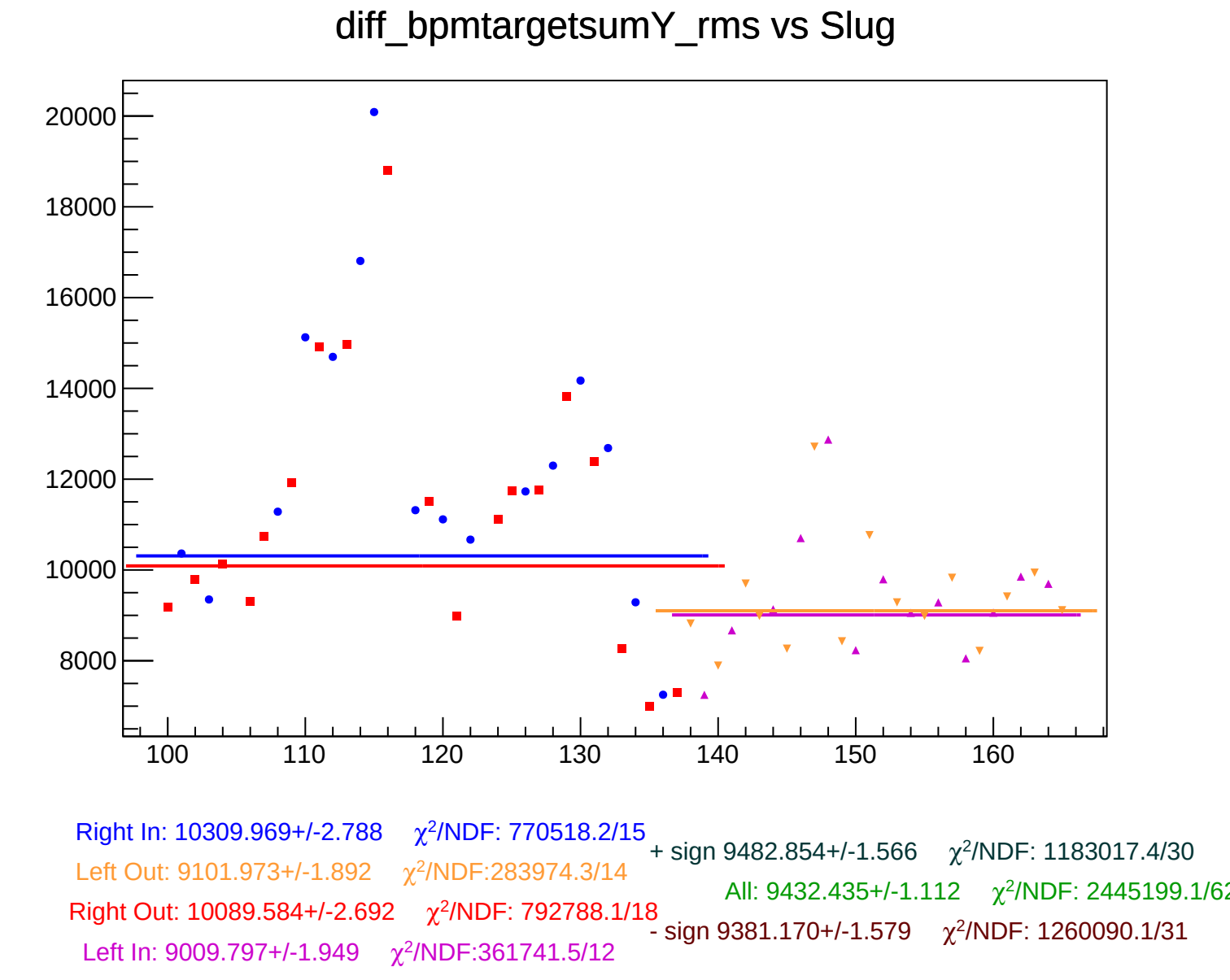
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 3.379+/-2.756 χ^2/NDF:21.0/12

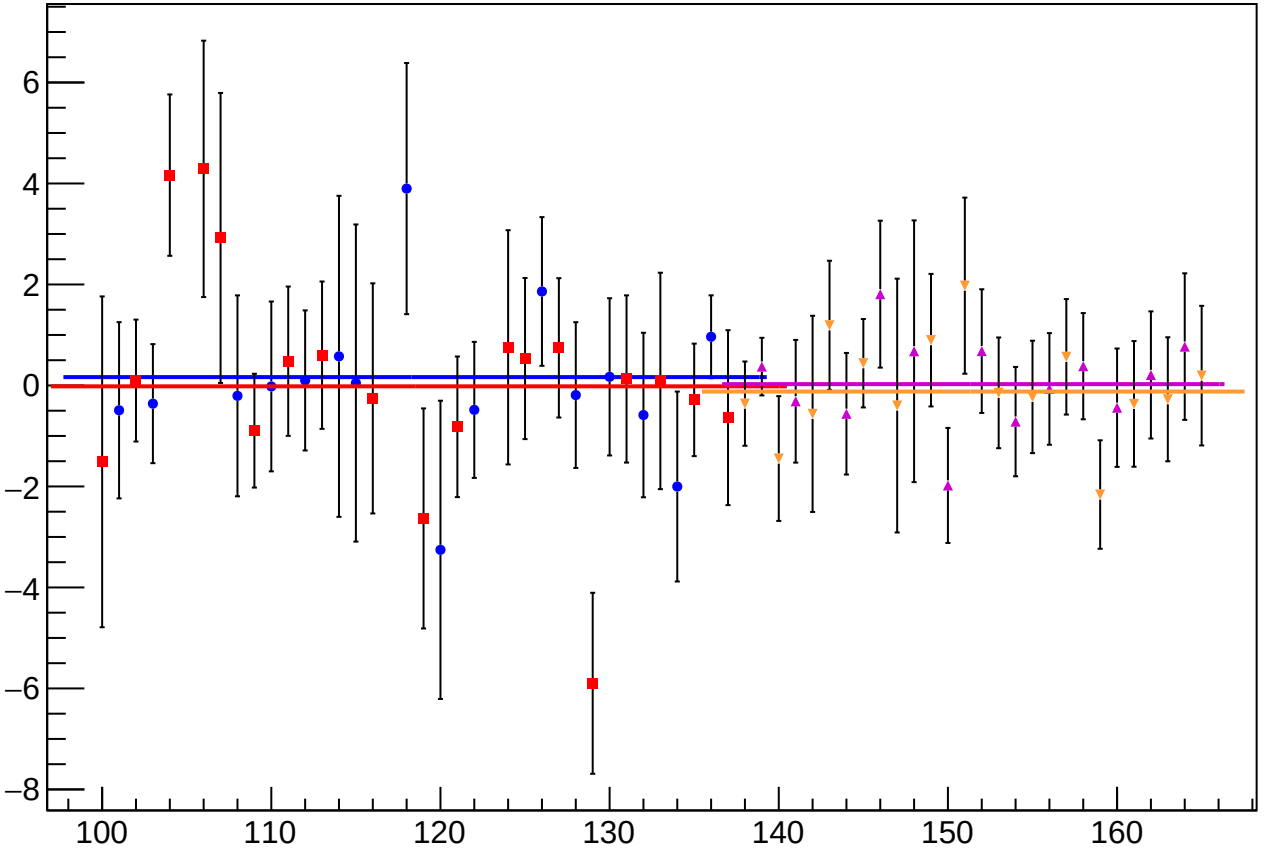
+ sign 3.275+/-2.214 χ^2/NDF: 26.1/30

All: 3.989+/-1.572 χ^2/NDF: 65.2/62

- sign 4.715+/-2.233 χ^2/NDF: 38.9/31


diff_bpmtargetsumY_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9101.973+/-1.892 χ²/NDF:283974.3/14
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9009.797+/-1.949 χ²/NDF:361741.5/12
+ sign 9482.854+/-1.566 χ²/NDF: 1183017.4/30
All: 9432.435+/-1.112 χ²/NDF: 2445199.1/62
- sign 9381.170+/-1.579 χ²/NDF: 1260090.1/31

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.121+/-0.309 χ^2/NDF:8.9/14

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

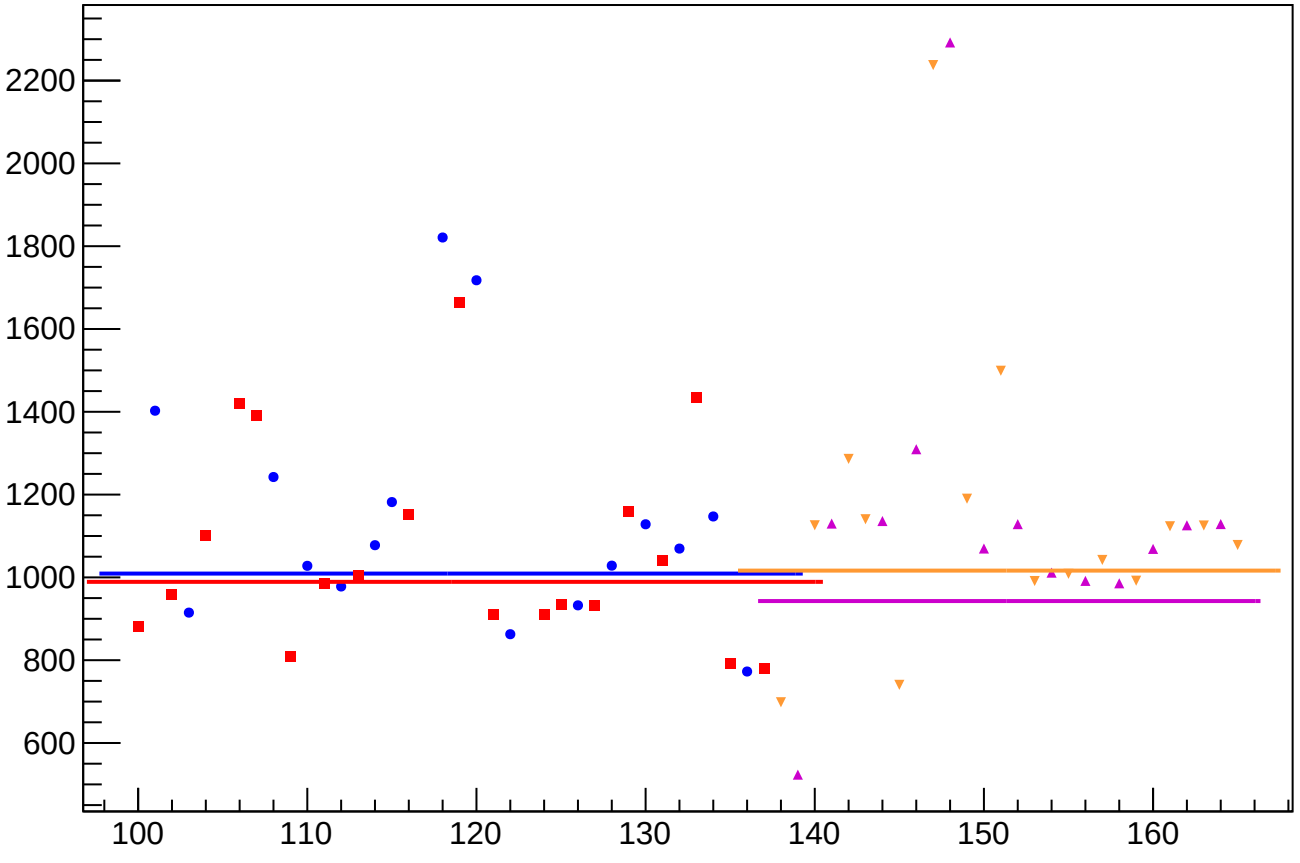
Left In: 0.026+/-0.303 χ^2/NDF:6.7/12

+ sign -0.009+/-0.242 χ^2/NDF: 17.3/30

All: 0.000+/-0.168 χ^2/NDF: 49.2/62

- sign 0.009+/-0.235 χ^2/NDF: 31.8/31

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1016.403+/-0.219 χ^2/NDF:1260678.4/14

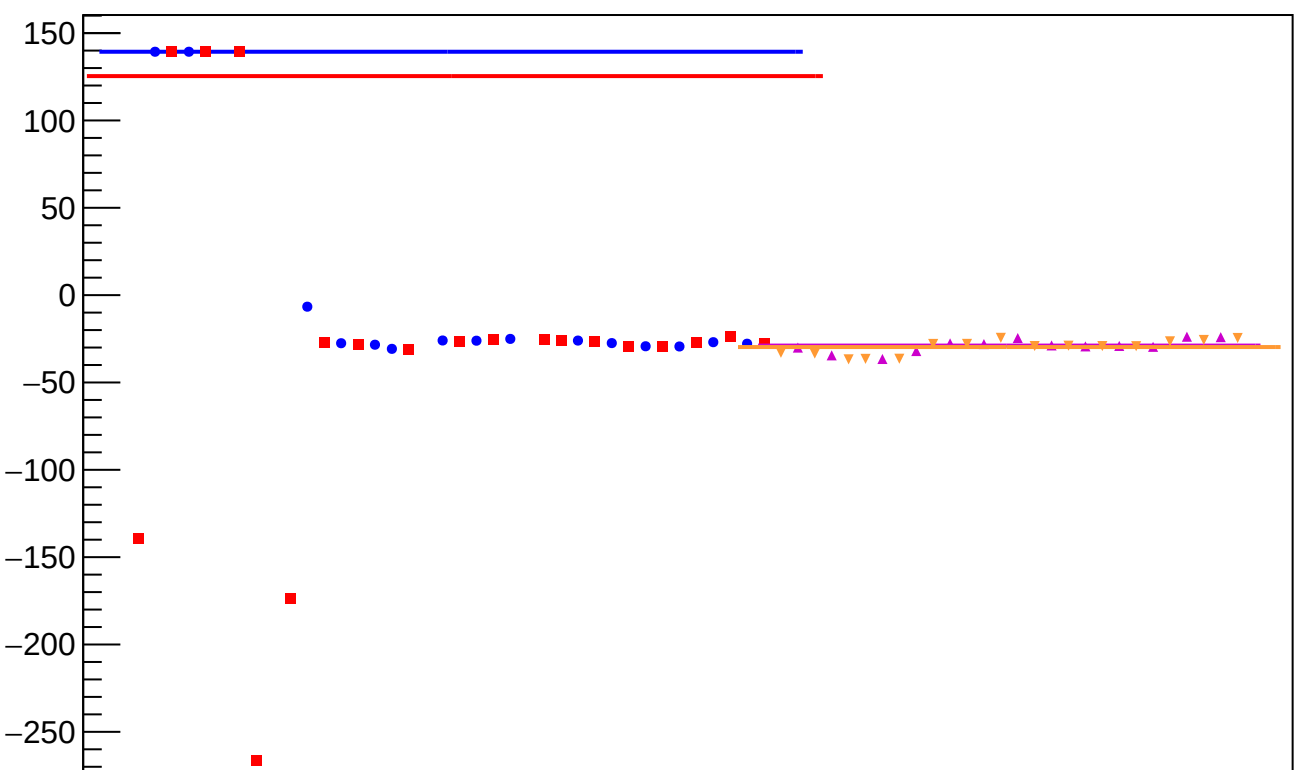
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 942.841+/-0.214 χ^2/NDF:2033721.2/12

+ sign 1013.596+/-0.171 χ^2/NDF: 1960403.3/30

All: 986.728+/-0.119 χ^2/NDF: 4636761.0/62

- sign 961.316+/-0.166 χ^2/NDF: 2628190.1/31



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -29.721+/-0.000 χ^2/NDF:112114720.7/14

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

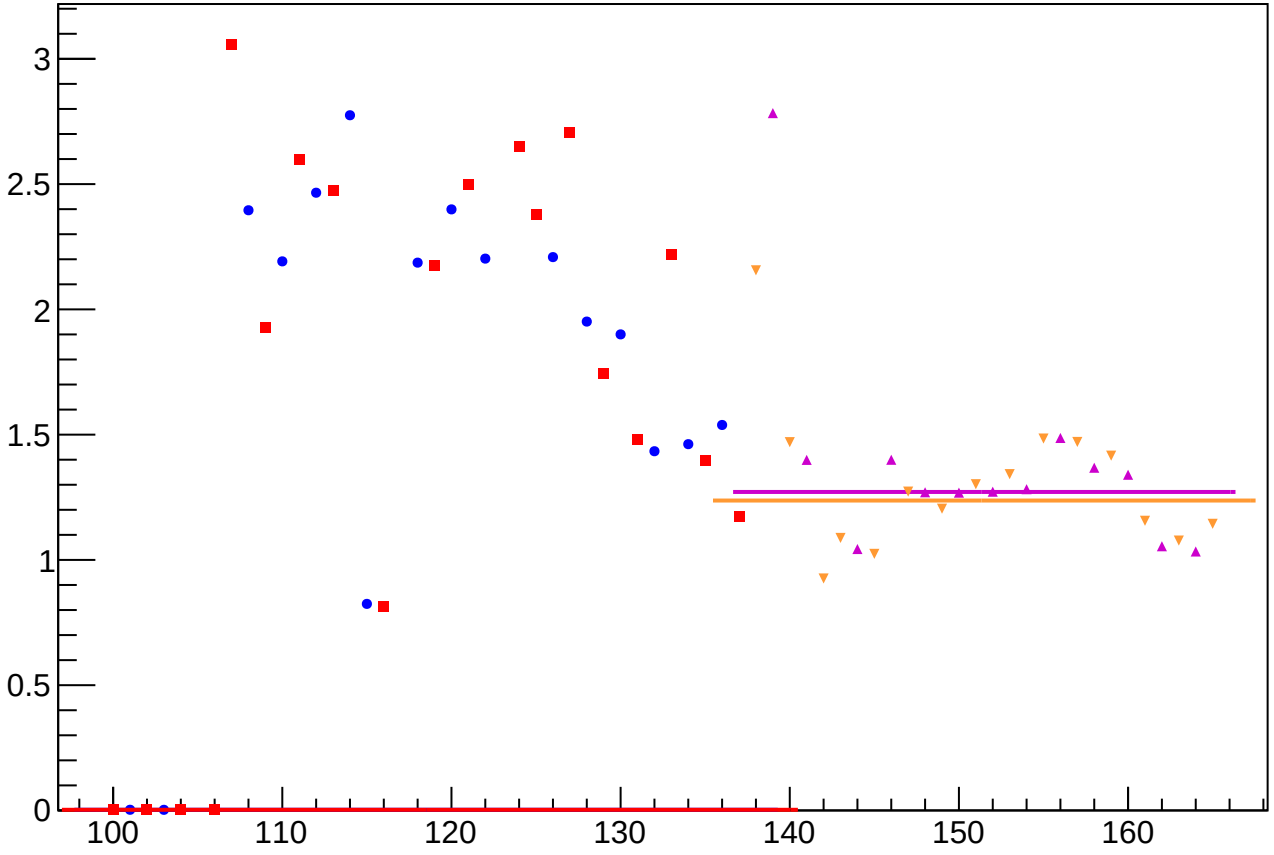
Left In: -28.877+/-0.000 χ^2/NDF:85708224.6/12

+ sign 139.331+/-0.000 χ^2/NDF: 220934483600.1/3

All: 131.813+/-0.000 χ^2/NDF: 79330261491

- sign 125.388+/-0.000 χ^2/NDF: 774301119042691

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.237+/-0.000 χ^2/NDF:563715.7/14

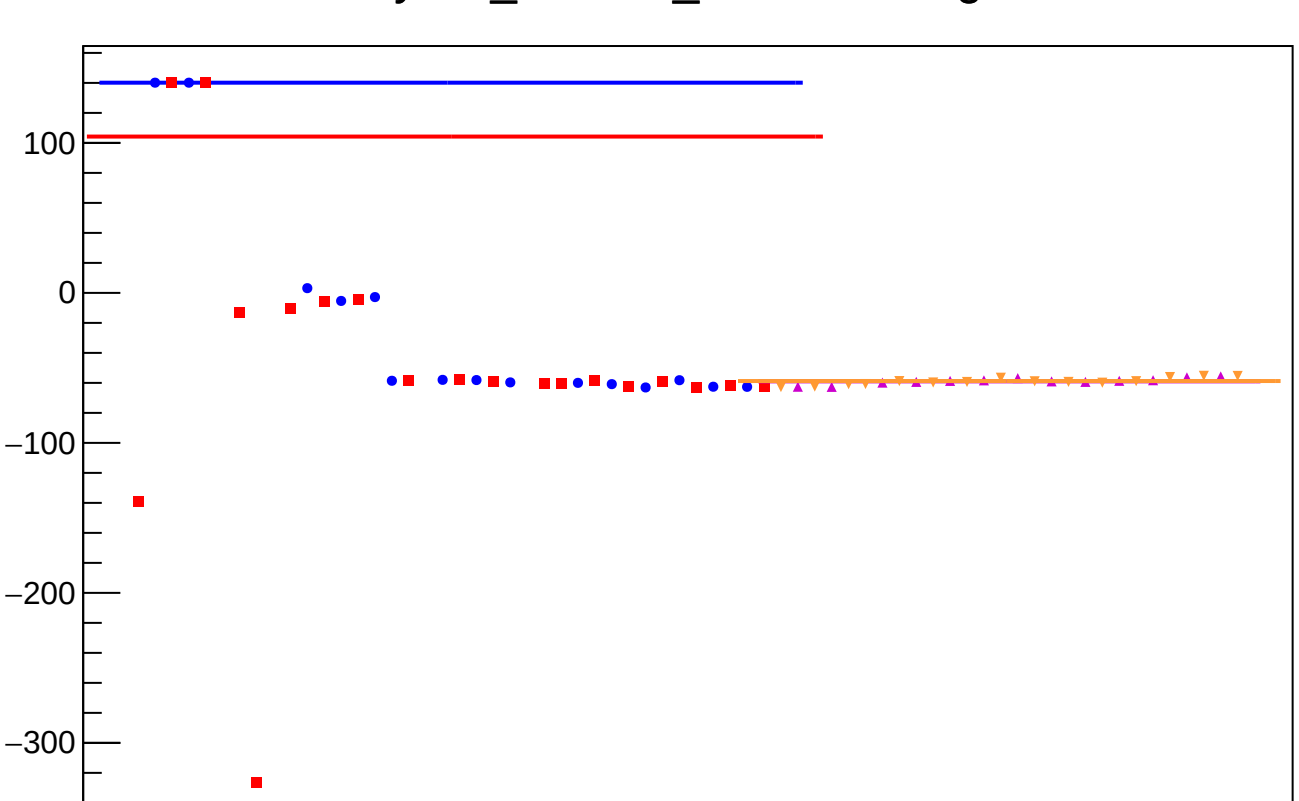
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.271+/-0.000 χ^2/NDF:721866.8/12

+ sign 0.003+/-0.000 χ^2/NDF: 28652946.9/30

All: 0.003+/-0.000 χ^2/NDF: 56409299.2/62

- sign 0.003+/-0.000 χ^2/NDF: 27756040.6/31



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -58.769+/-0.000 χ^2/NDF:122144182.4/14

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

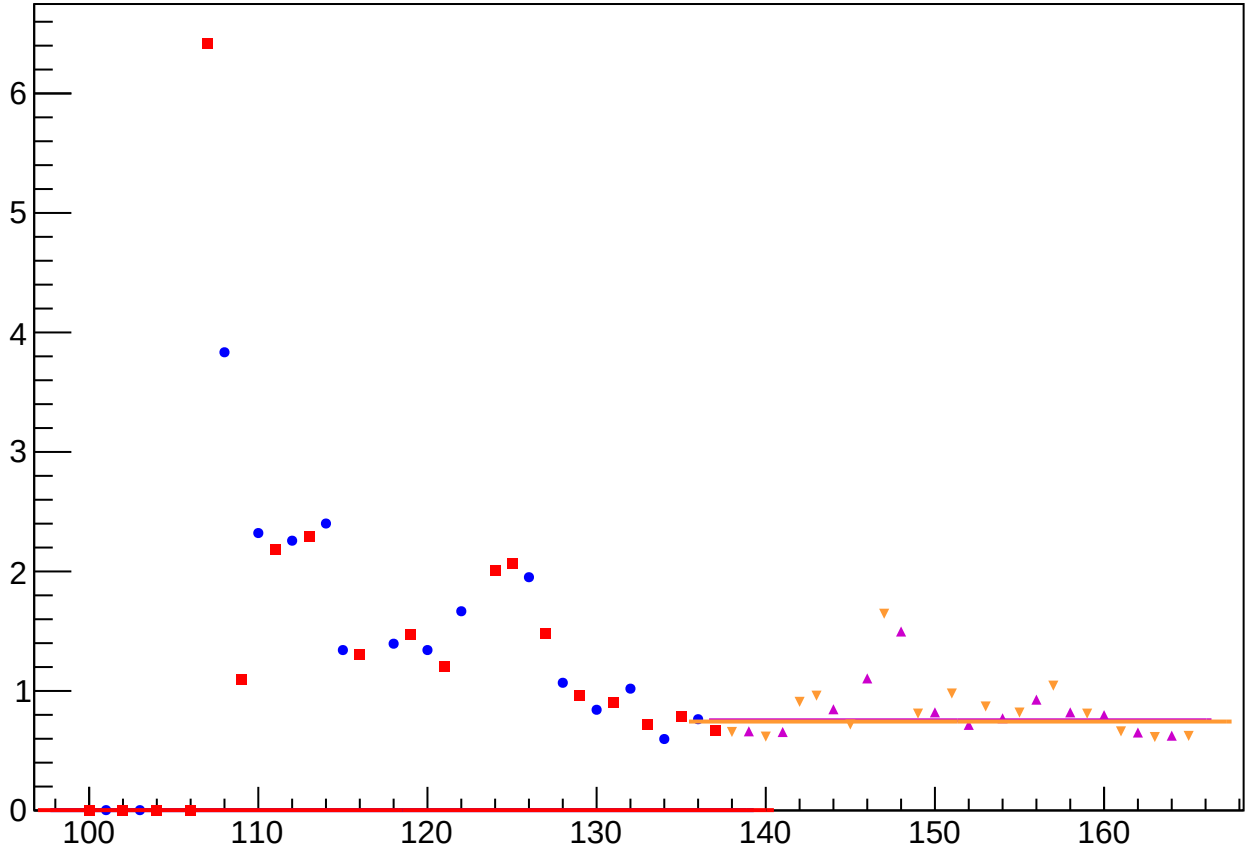
Left In: -58.993+/-0.000 χ^2/NDF:88552239.0/12

+ sign 140.125+/-0.000 χ^2/NDF: 836204547551.7/3

All: 120.817+/-0.000 χ^2/NDF: 13819057718

- sign 104.213+/-0.000 χ^2/NDF: 125779828406273

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.744+/-0.000 χ^2/NDF:971289.3/14

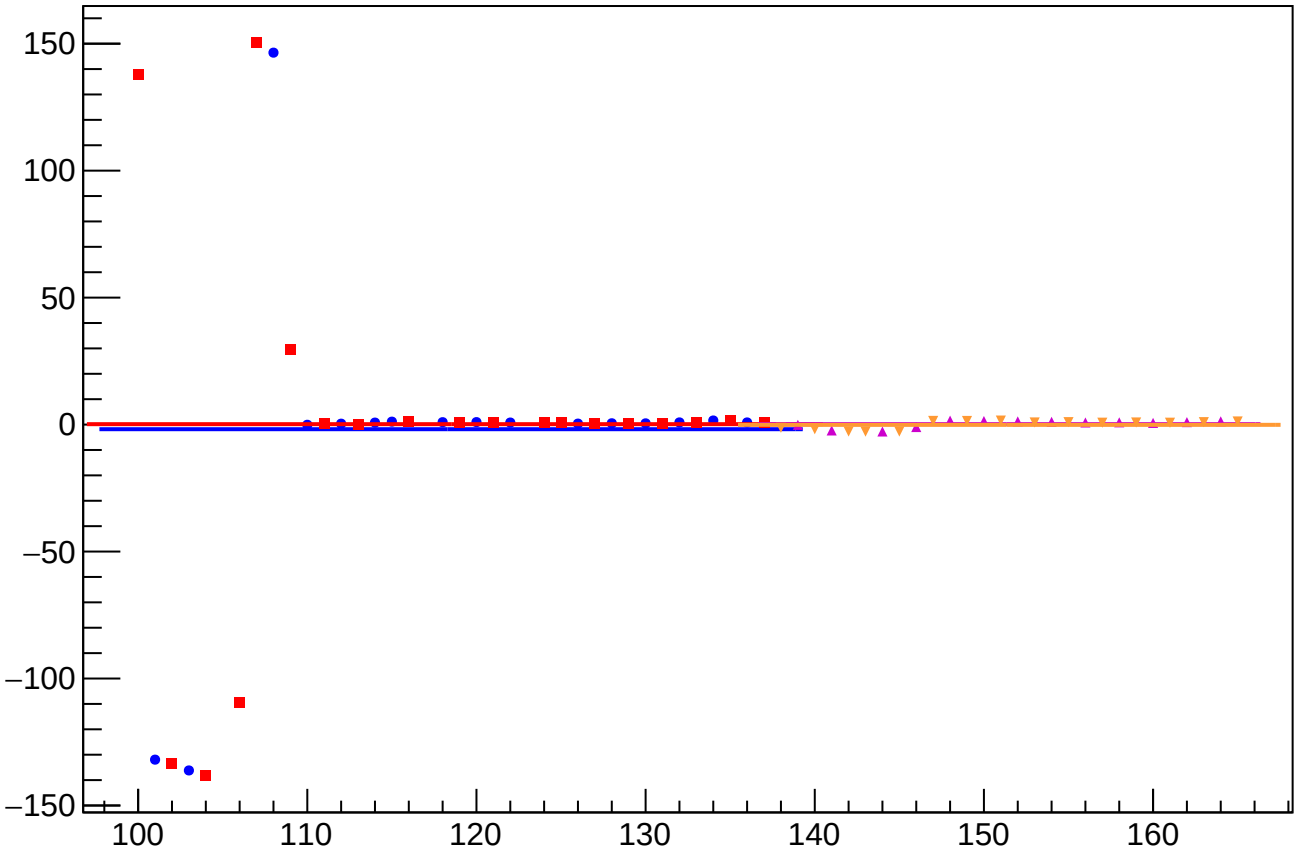
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.754+/-0.000 χ^2/NDF:713524.9/12

+ sign 0.003+/-0.000 χ^2/NDF: 29564985.5/30

All: 0.003+/-0.000 χ^2/NDF: 57357505.7/62

- sign 0.003+/-0.000 χ^2/NDF: 27792095.2/31



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.097+/-0.000 χ^2/NDF:94516295.8/14

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

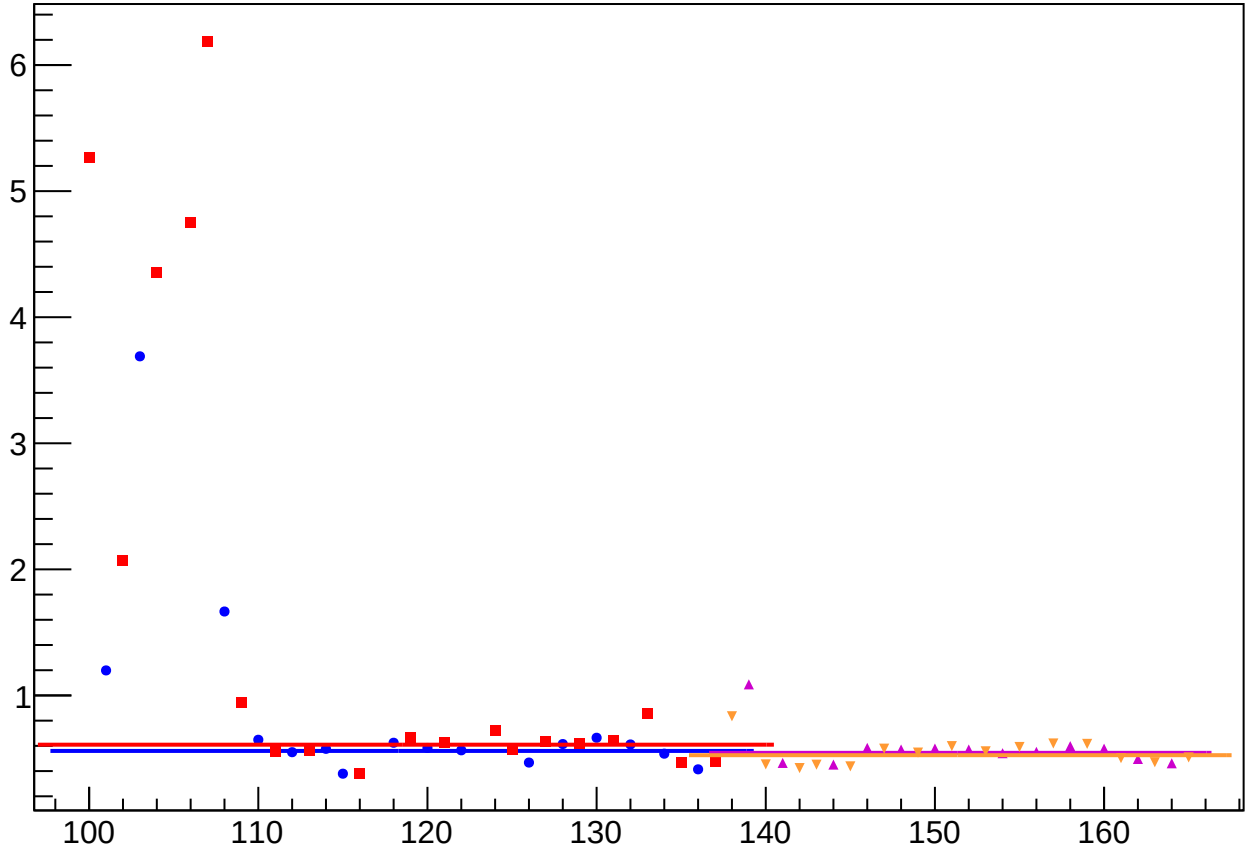
Left In: 0.179+/-0.000 χ^2/NDF:66086211.3/12

+ sign -0.657+/-0.000 χ^2/NDF: 10013913909.8/30

All: -0.272+/-0.000 χ^2/NDF: 13707122407.5/

- sign 0.175+/-0.000 χ^2/NDF: 3677333197.7/31

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.526+/-0.000 χ^2/NDF:465692.9/14

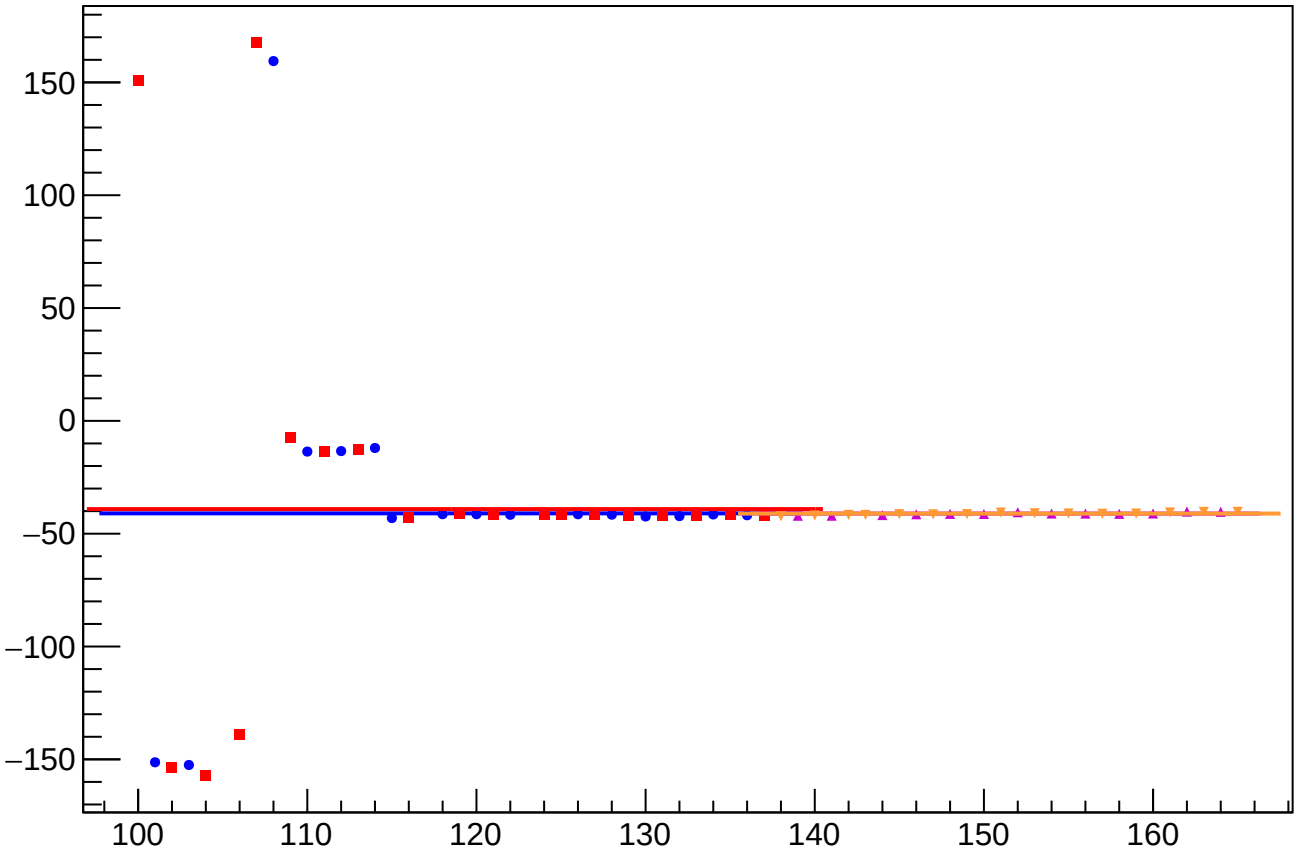
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.545+/-0.000 χ^2/NDF:590436.0/12

+ sign 0.537+/-0.000 χ^2/NDF: 2088938.7/30

All: 0.550+/-0.000 χ^2/NDF: 5267942.8/62

- sign 0.565+/-0.000 χ^2/NDF: 3143371.1/31



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.085+/-0.000 χ^2/NDF:23852656.9/14

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

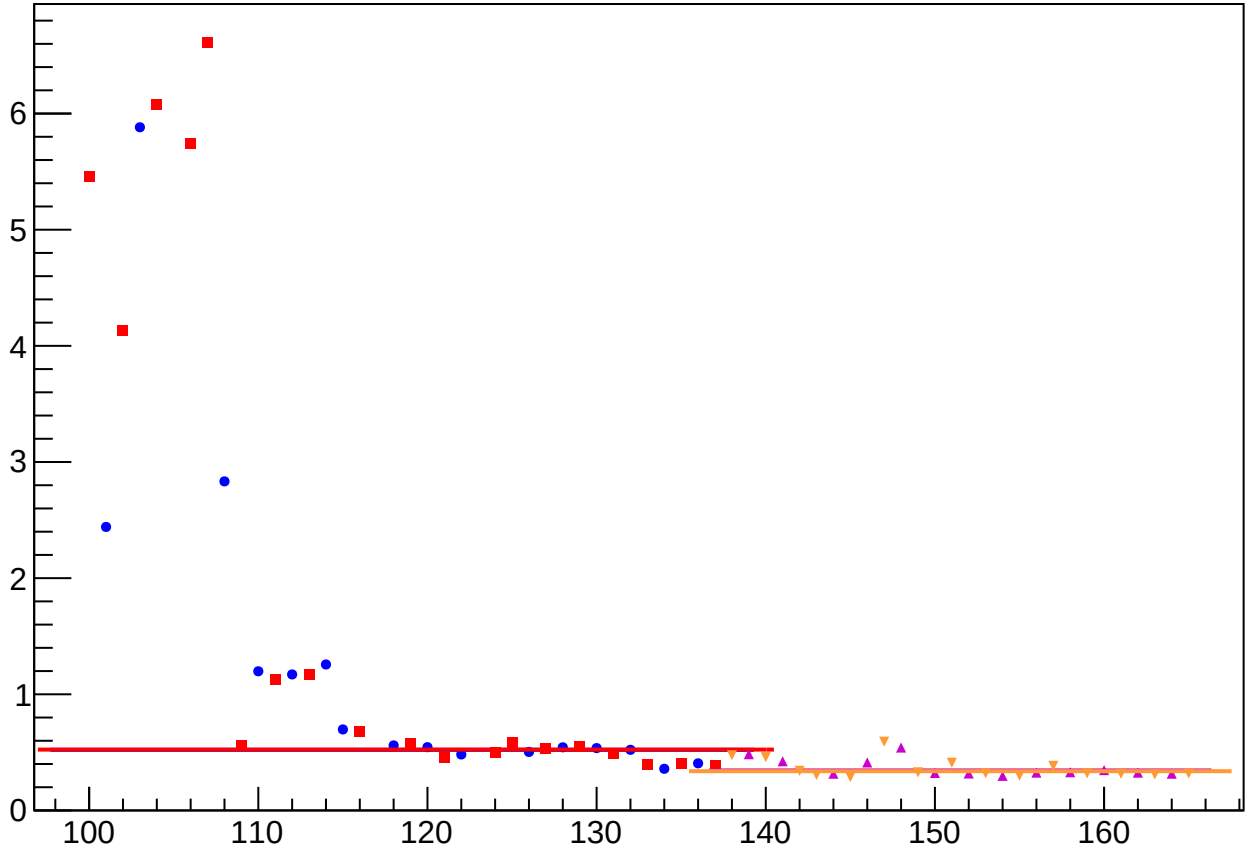
Left In: -41.084+/-0.000 χ^2/NDF:23173826.0/12

+ sign -41.069+/-0.000 χ^2/NDF: 3473624070.9/30

All: -40.913+/-0.000 χ^2/NDF: 6041001002.2/

- sign -40.740+/-0.000 χ^2/NDF: 2561519224.6/31

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.338+/-0.000 χ^2/NDF:709833.8/14

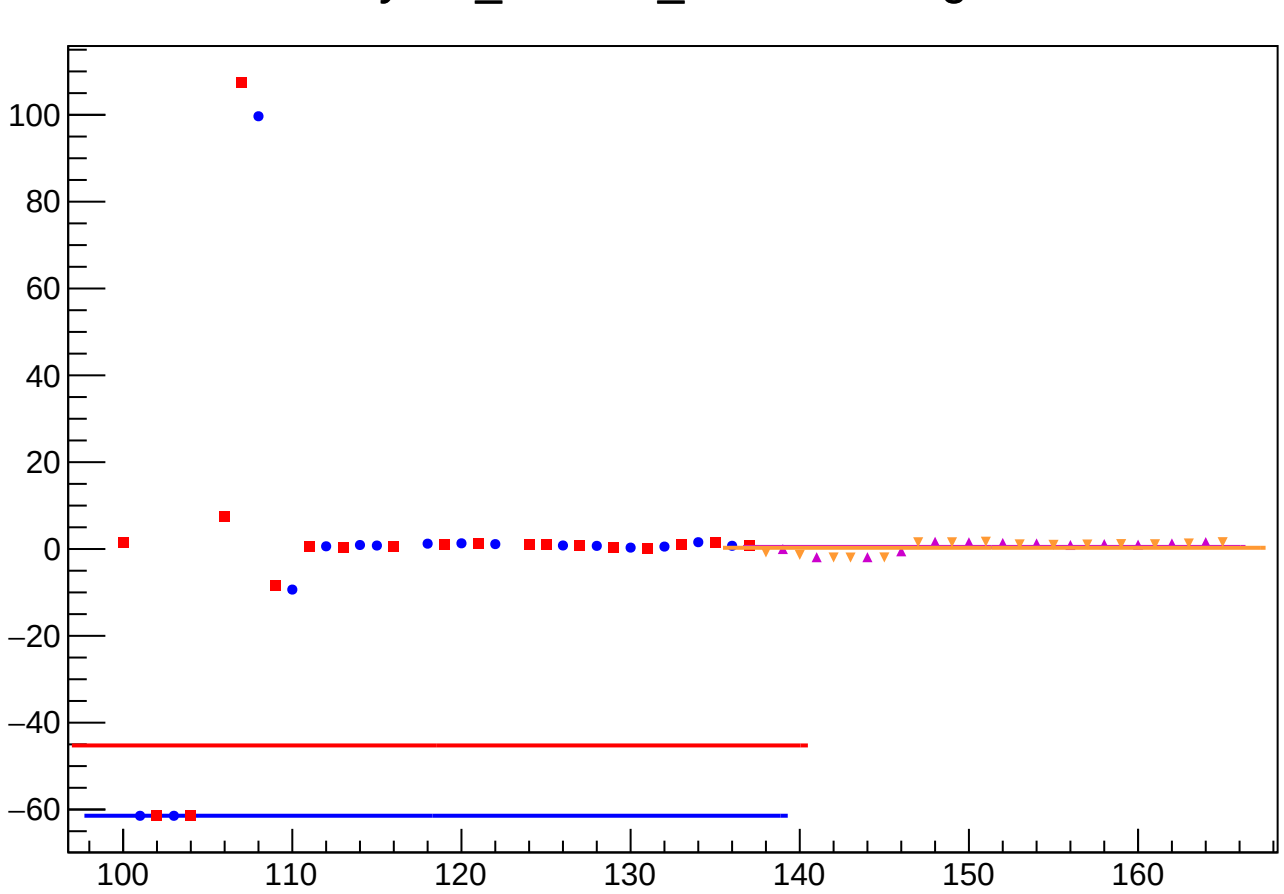
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.344+/-0.000 χ^2/NDF:532265.7/12

+ sign 0.368+/-0.000 χ^2/NDF: 4705925.1/30

All: 0.372+/-0.000 χ^2/NDF: 9463107.5/62

- sign 0.376+/-0.000 χ^2/NDF: 4750758.4/31



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.281+/-0.000 χ^2/NDF:97537011.8/14

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

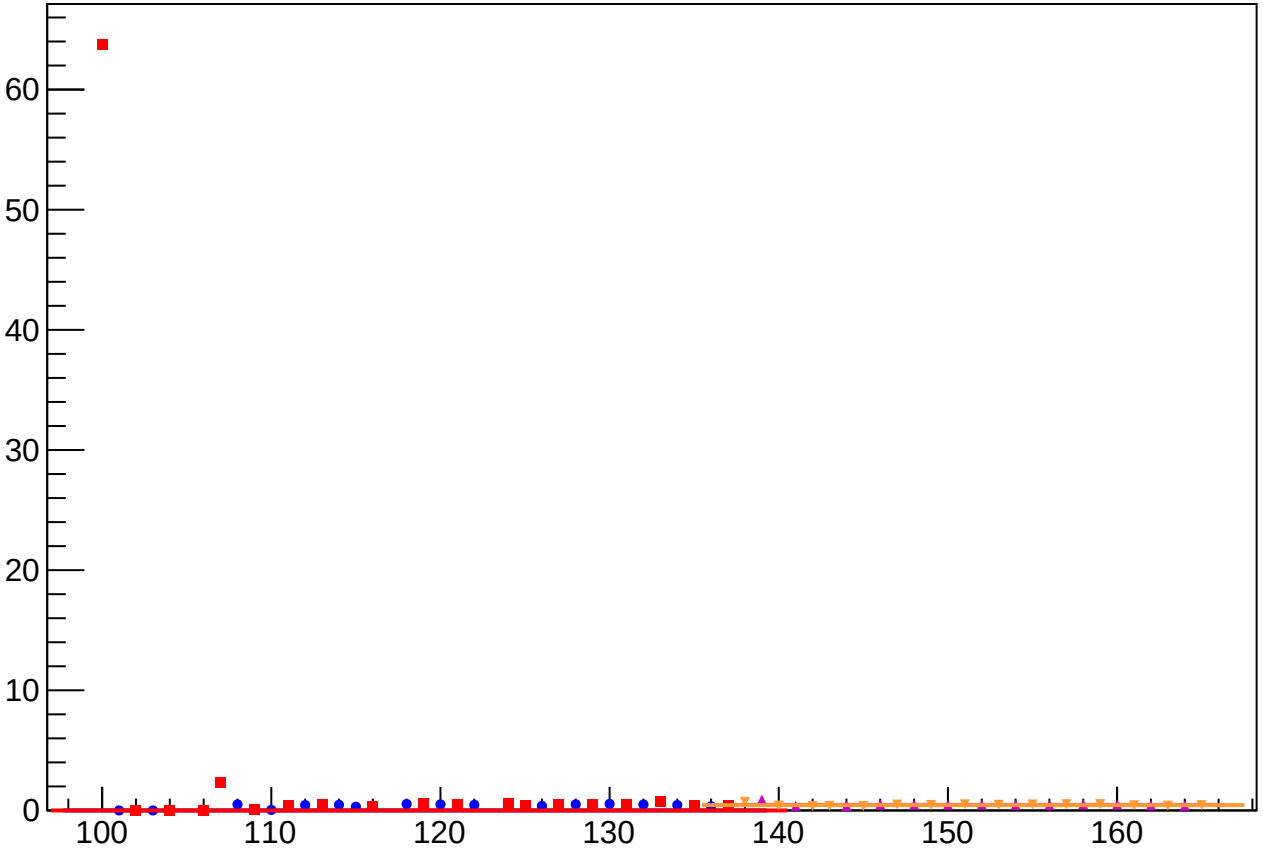
Left In: 0.479+/-0.000 χ^2/NDF:72956453.9/12

+ sign -61.428+/-0.000 χ^2/NDF: 451725931804.3/3

All: -52.743+/-0.000 χ^2/NDF: 409369977454

- sign -45.241+/-0.000 χ^2/NDF: 357956274354026.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.445+/-0.000 χ^2/NDF:453385.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

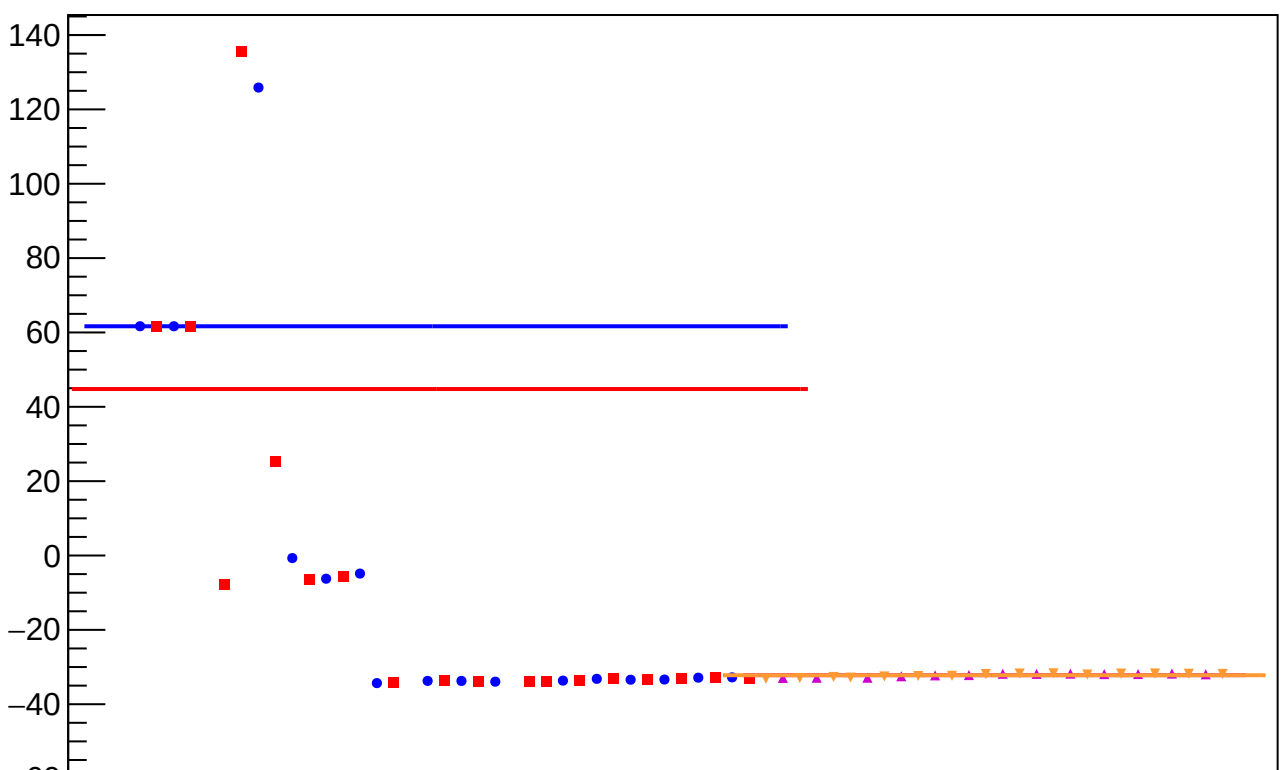
Left In: 0.461+/-0.000 χ^2/NDF:564760.5/12

+ sign 0.002+/-0.000 χ^2/NDF: 28040544.7/30

All: 0.002+/-0.000 χ^2/NDF: 55279609.1/62

- sign 0.002+/-0.000 χ^2/NDF: 27238980.2/31

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.202+/-0.000 χ^2/NDF:30449527.9/14

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

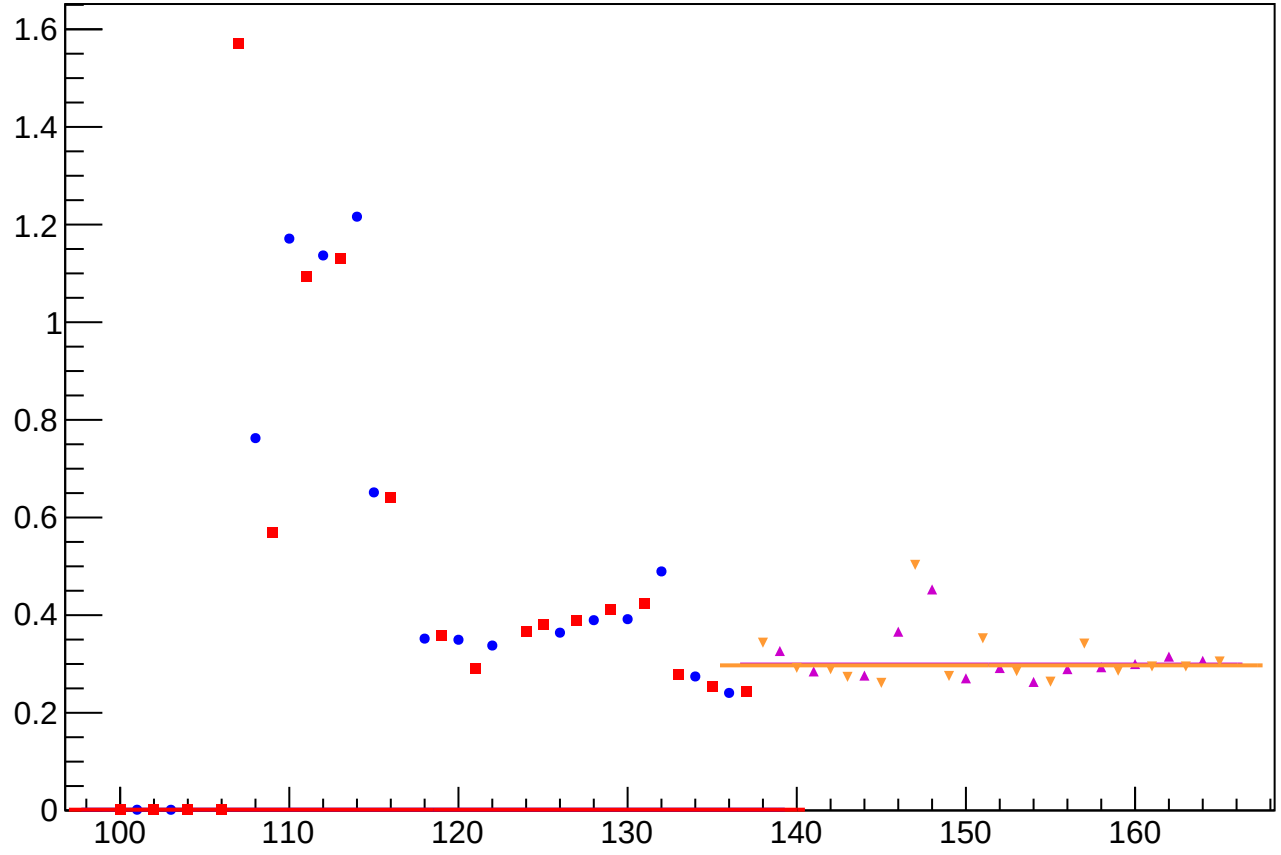
Left In: -32.178+/-0.000 χ^2/NDF:22995871.6/12

+ sign 61.627+/-0.000 χ^2/NDF: 1477763975985.3/3

All: 52.660+/-0.000 χ^2/NDF: 419311475264

- sign 44.762+/-0.000 χ^2/NDF: 366783038353444.8

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:444175.8/14

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

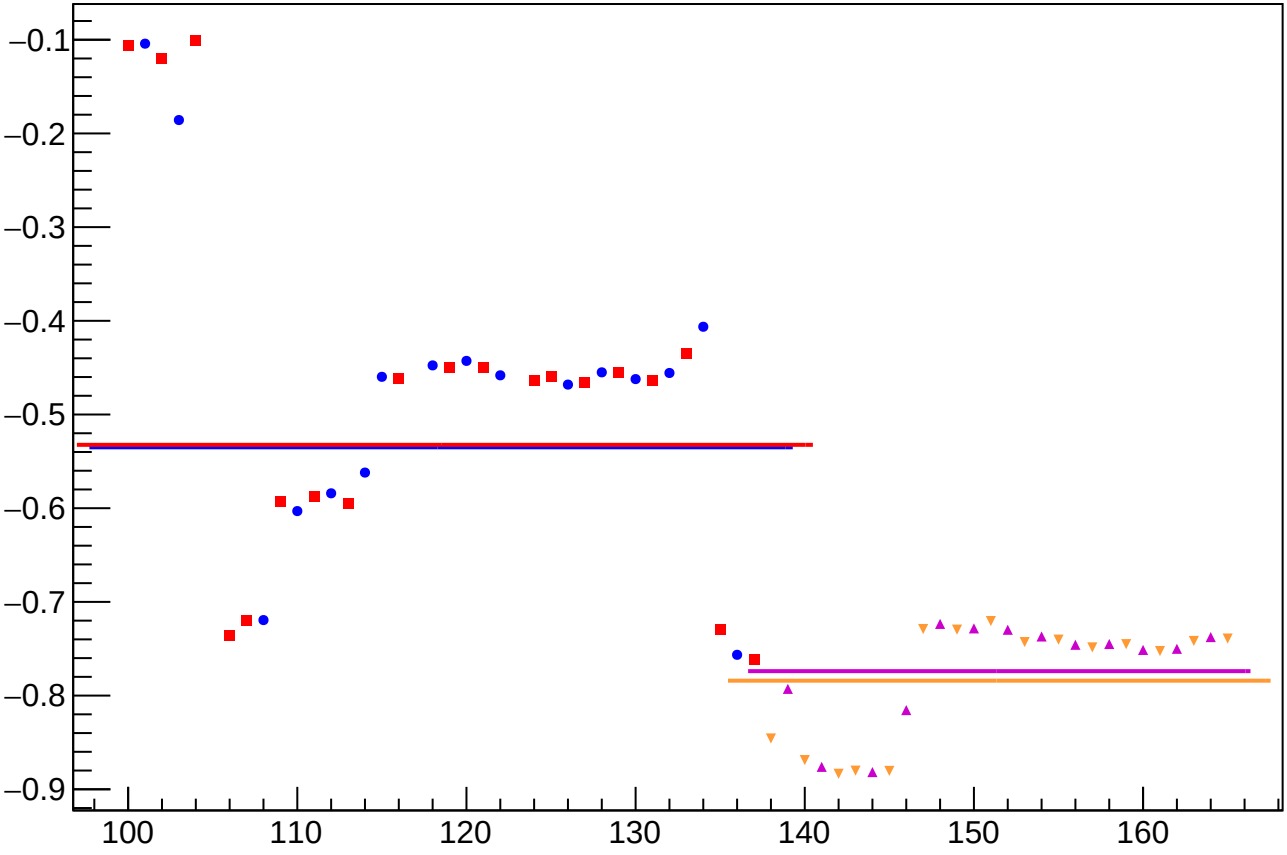
Left In: 0.299+/-0.000 χ^2/NDF:324529.9/12

+ sign 0.002+/-0.000 χ^2/NDF: 33462156.4/30

All: 0.002+/-0.000 χ^2/NDF: 64882381.4/62

- sign 0.002+/-0.000 χ^2/NDF: 31420224.5/31

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.784+/-0.000 χ^2/NDF:104759788.0/14

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

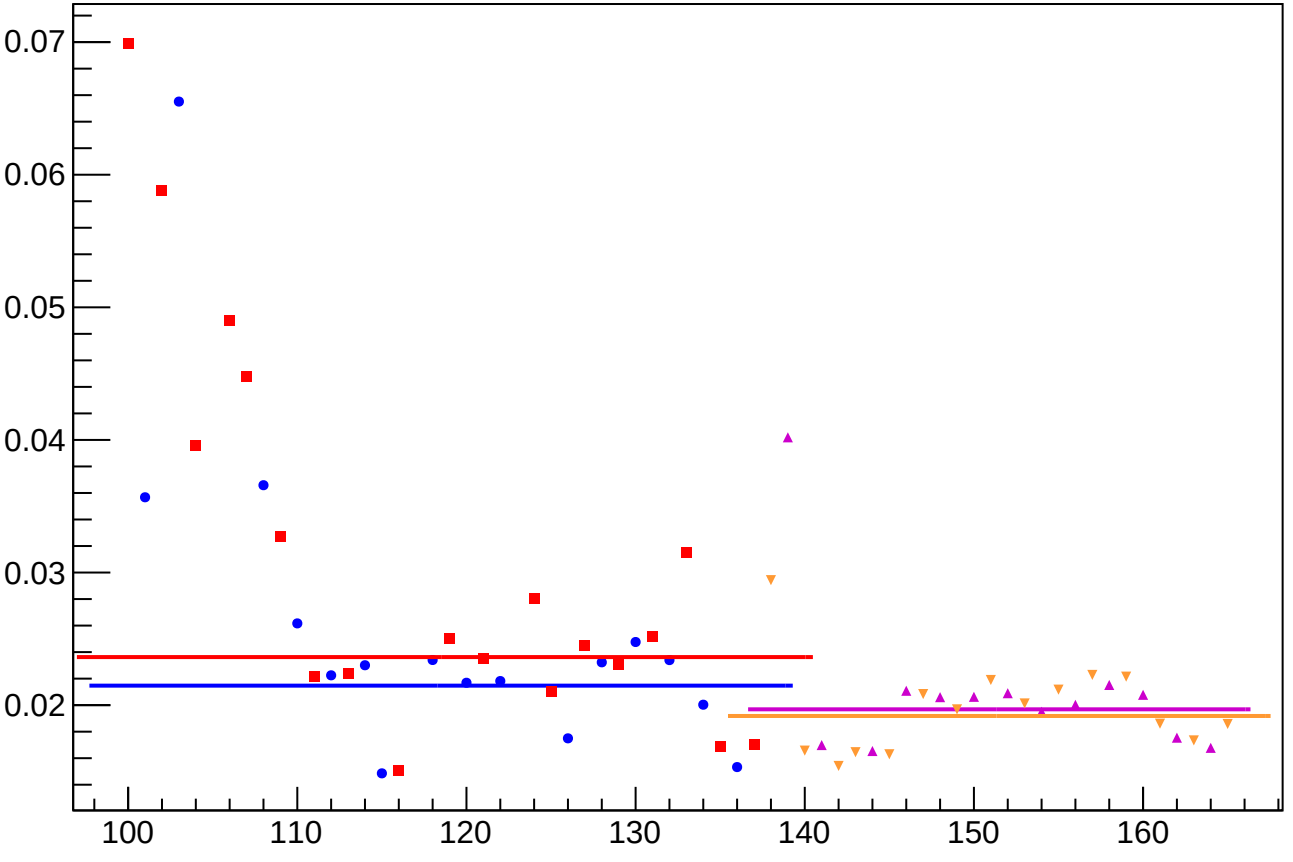
Left In: -0.774+/-0.000 χ^2/NDF:73299789.9/12

+ sign -0.705+/-0.000 χ^2/NDF: 898954665.0/30

All: -0.703+/-0.000 χ^2/NDF: 1590180581.7/6

- sign -0.699+/-0.000 χ^2/NDF: 690605406.6/31

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:405303.9/14

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

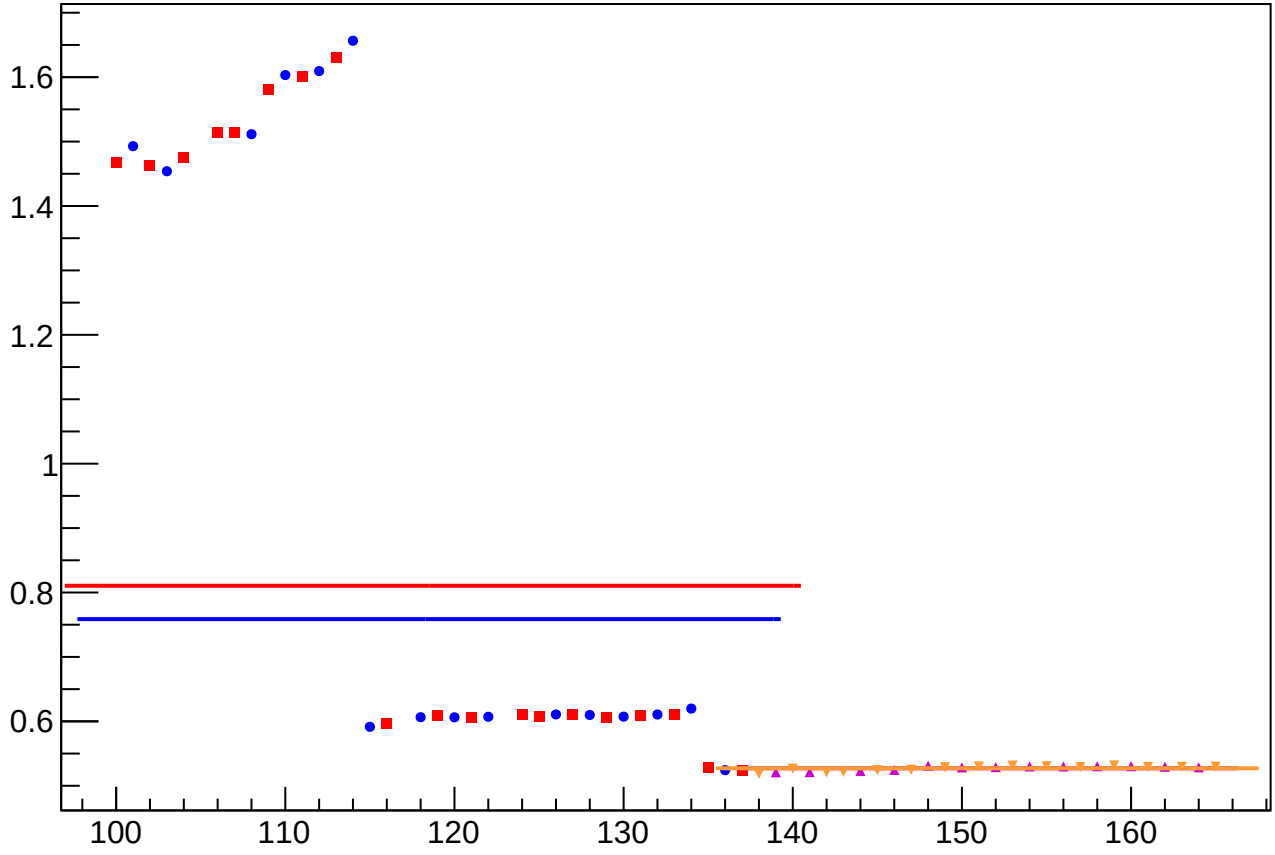
Left In: 0.020+/-0.000 χ^2/NDF:597930.7/12

+ sign 0.020+/-0.000 χ^2/NDF: 1642550.6/30

All: 0.020+/-0.000 χ^2/NDF: 3766317.4/62

- sign 0.021+/-0.000 χ^2/NDF: 2089674.9/31

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1176778.1/14

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

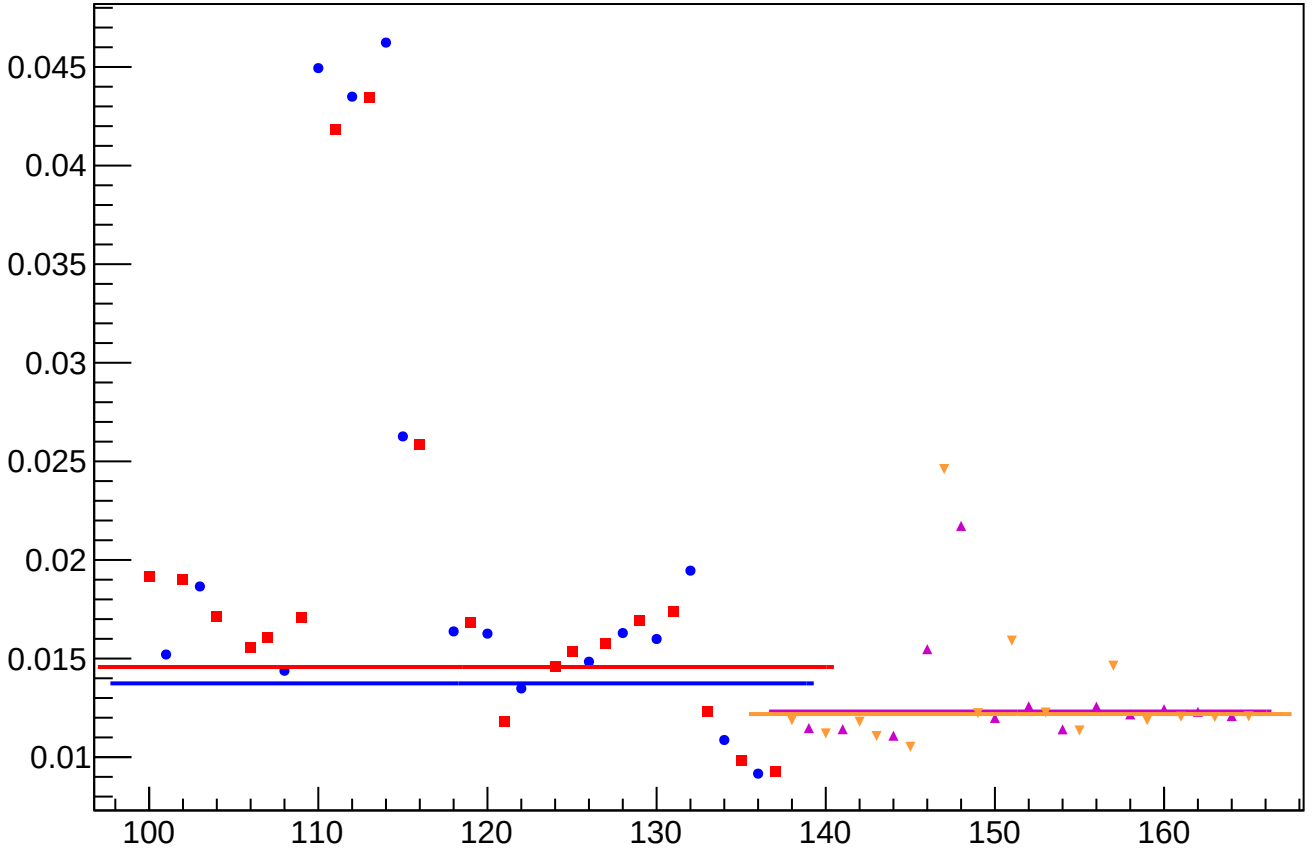
Left In: 0.527+/-0.000 χ^2/NDF:918571.4/12

+ sign 0.596+/-0.000 χ^2/NDF: 5494786799.4/30

All: 0.604+/-0.000 χ^2/NDF: 11929539807.9/6

- sign 0.612+/-0.000 χ^2/NDF: 6421146693.4/31

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:613931.7/14

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

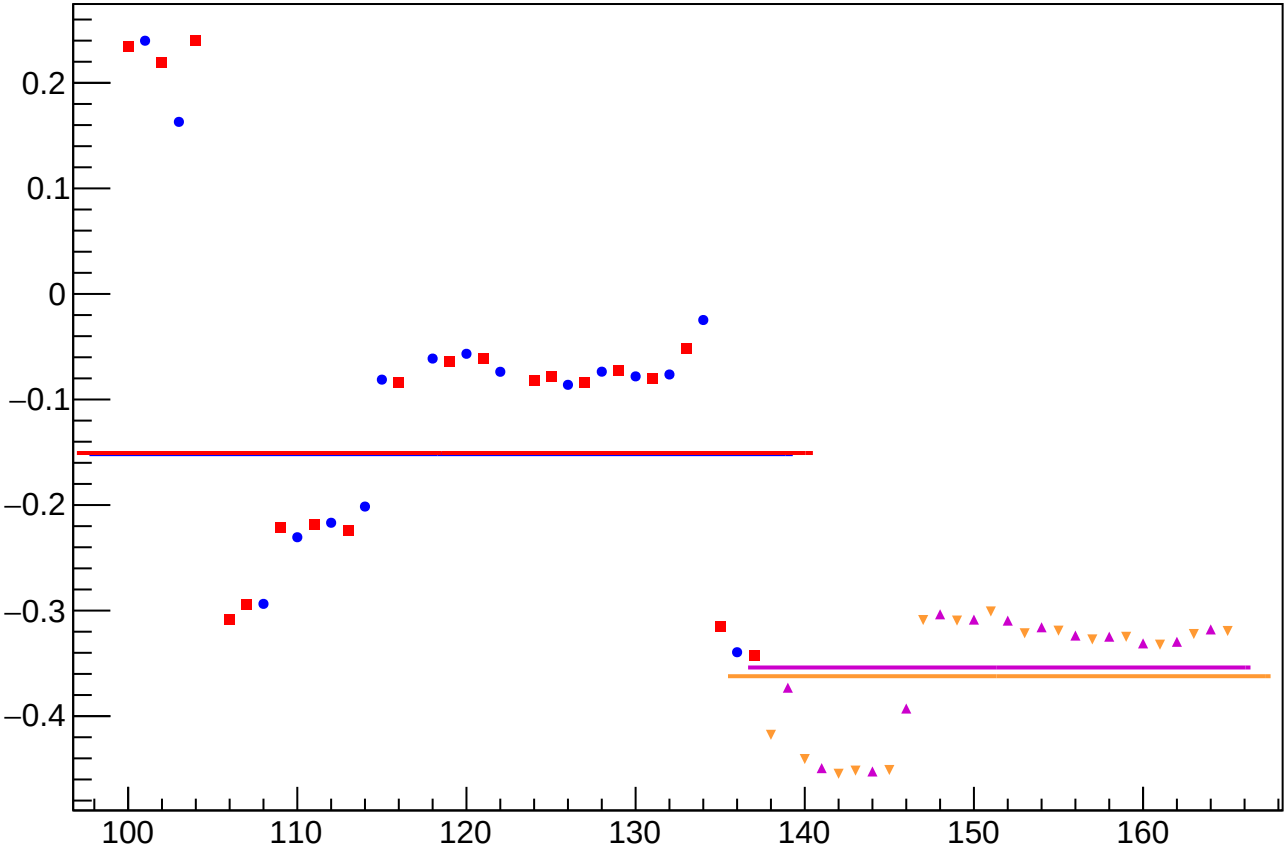
Left In: 0.012+/-0.000 χ^2/NDF:416807.7/12

+ sign 0.013+/-0.000 χ^2/NDF: 2371023.6/30

All: 0.013+/-0.000 χ^2/NDF: 4464568.4/62

- sign 0.013+/-0.000 χ^2/NDF: 2081404.0/31

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.362+/-0.000 χ^2/NDF:101362031.0/14

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

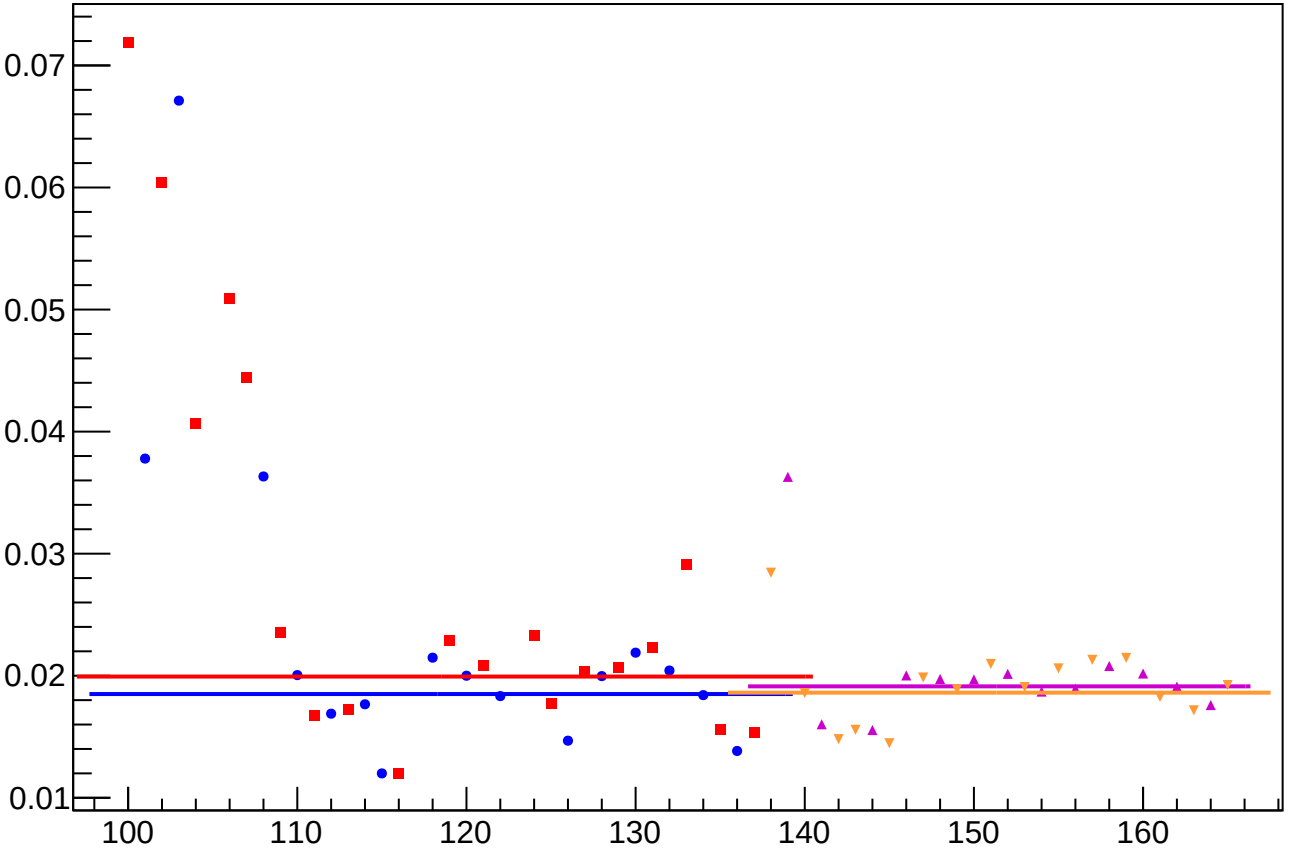
Left In: -0.354+/-0.000 χ^2/NDF:74012478.4/12

+ sign -0.286+/-0.000 χ^2/NDF: 812482260.9/30

All: -0.283+/-0.000 χ^2/NDF: 1446867532.3/6

- sign -0.280+/-0.000 χ^2/NDF: 633734568.2/31

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:434685.5/14

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

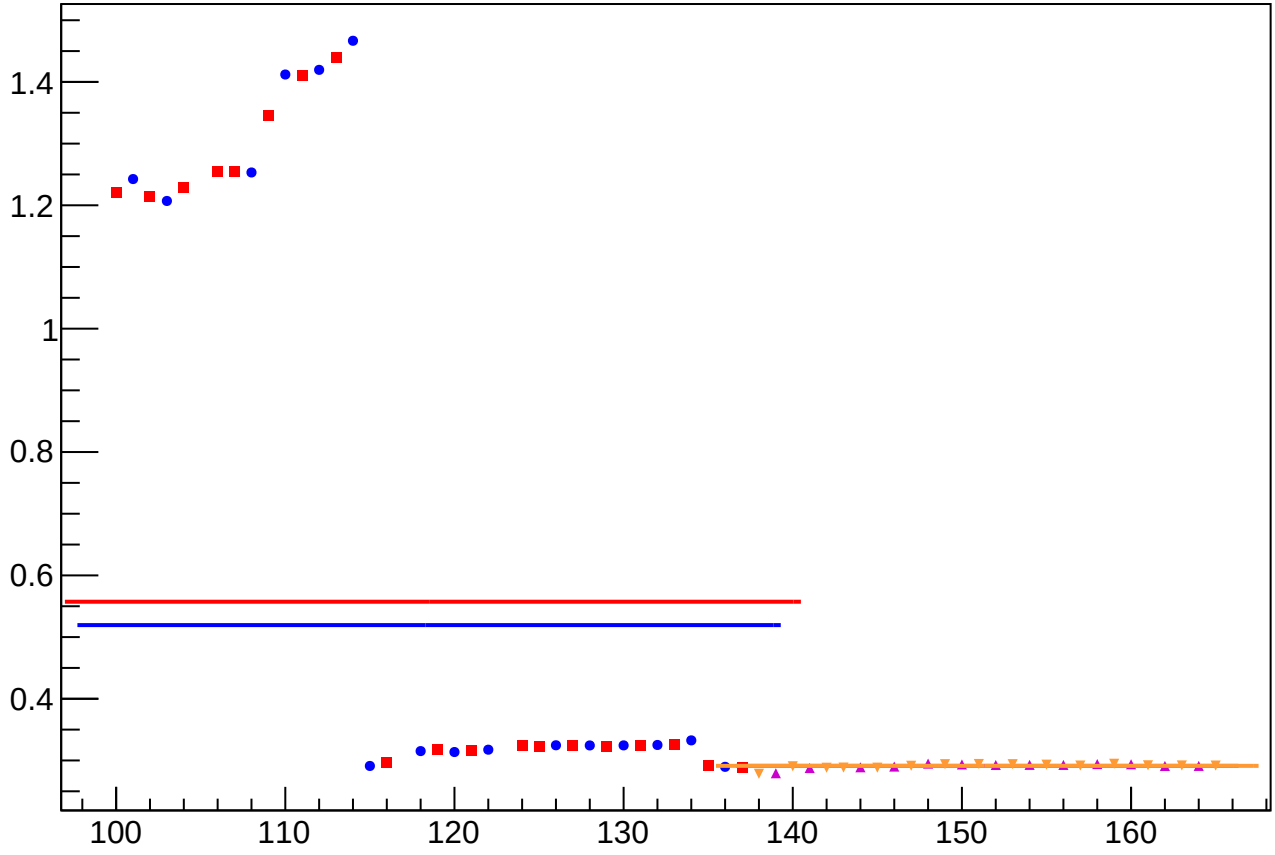
Left In: 0.019+/-0.000 χ^2/NDF:524598.2/12

+ sign 0.019+/-0.000 χ^2/NDF: 1807304.4/30

All: 0.019+/-0.000 χ^2/NDF: 3919475.5/62

- sign 0.019+/-0.000 χ^2/NDF: 2083398.1/31

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:1135554.8/14

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

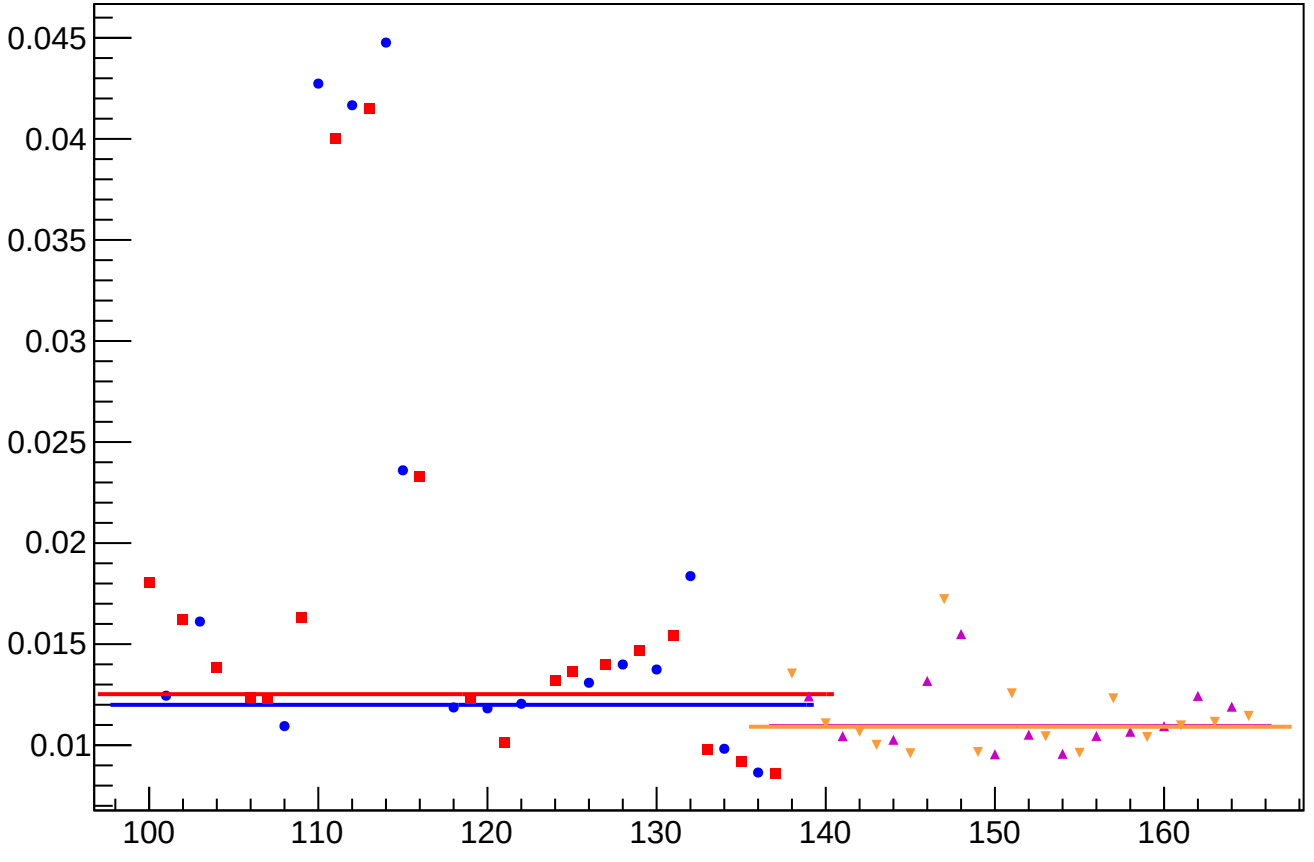
Left In: 0.291+/-0.000 χ^2/NDF:1167471.9/12

+ sign 0.361+/-0.000 χ^2/NDF: 7812823124.6/30

All: 0.367+/-0.000 χ^2/NDF: 16475200068.2/6

- sign 0.374+/-0.000 χ^2/NDF: 8652286479.5/31

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:427477.4/14

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

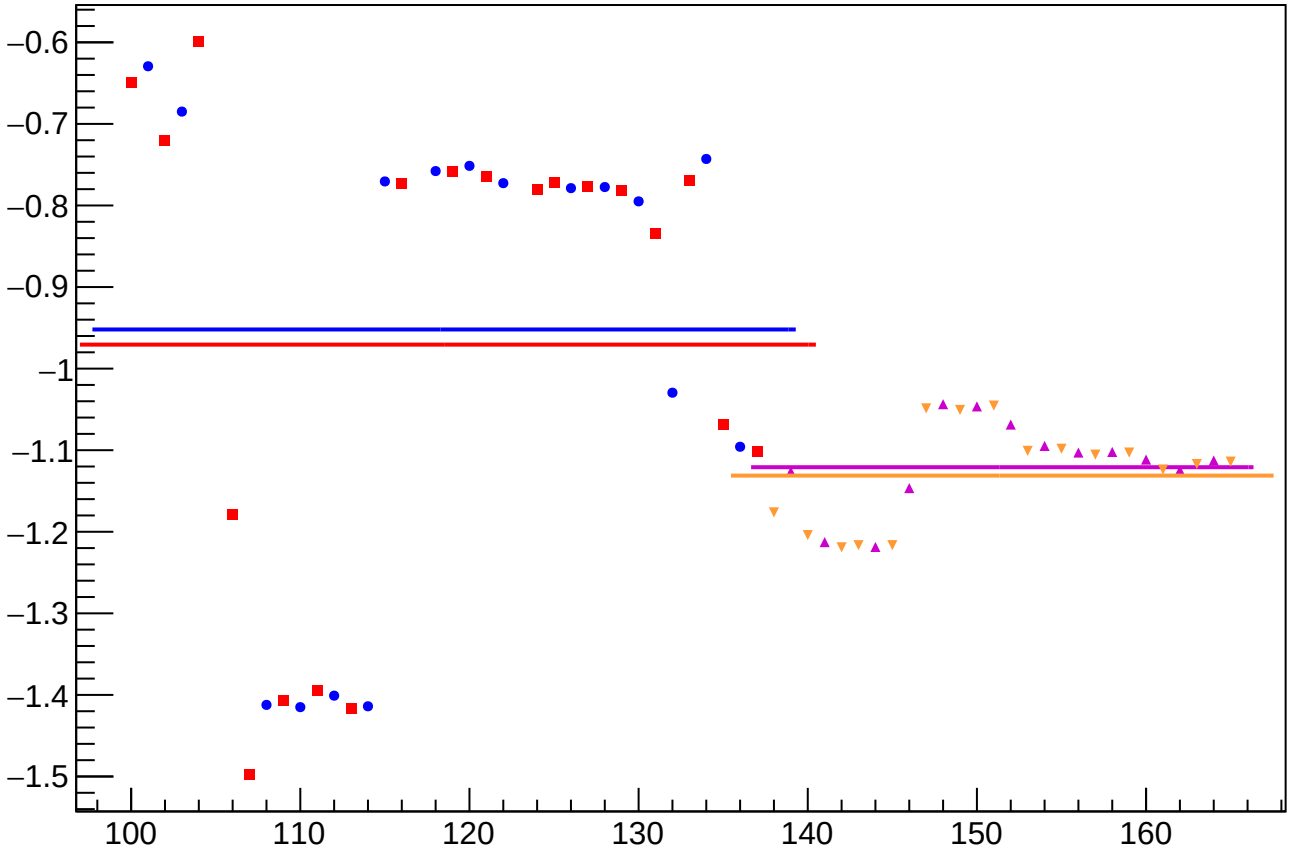
Left In: 0.011+/-0.000 χ^2/NDF:328960.3/12

+ sign 0.011+/-0.000 χ^2/NDF: 1986353.2/30

All: 0.011+/-0.000 χ^2/NDF: 3888404.4/62

- sign 0.011+/-0.000 χ^2/NDF: 1897390.0/31

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.131+/-0.000 χ^2/NDF:97375476.1/14

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

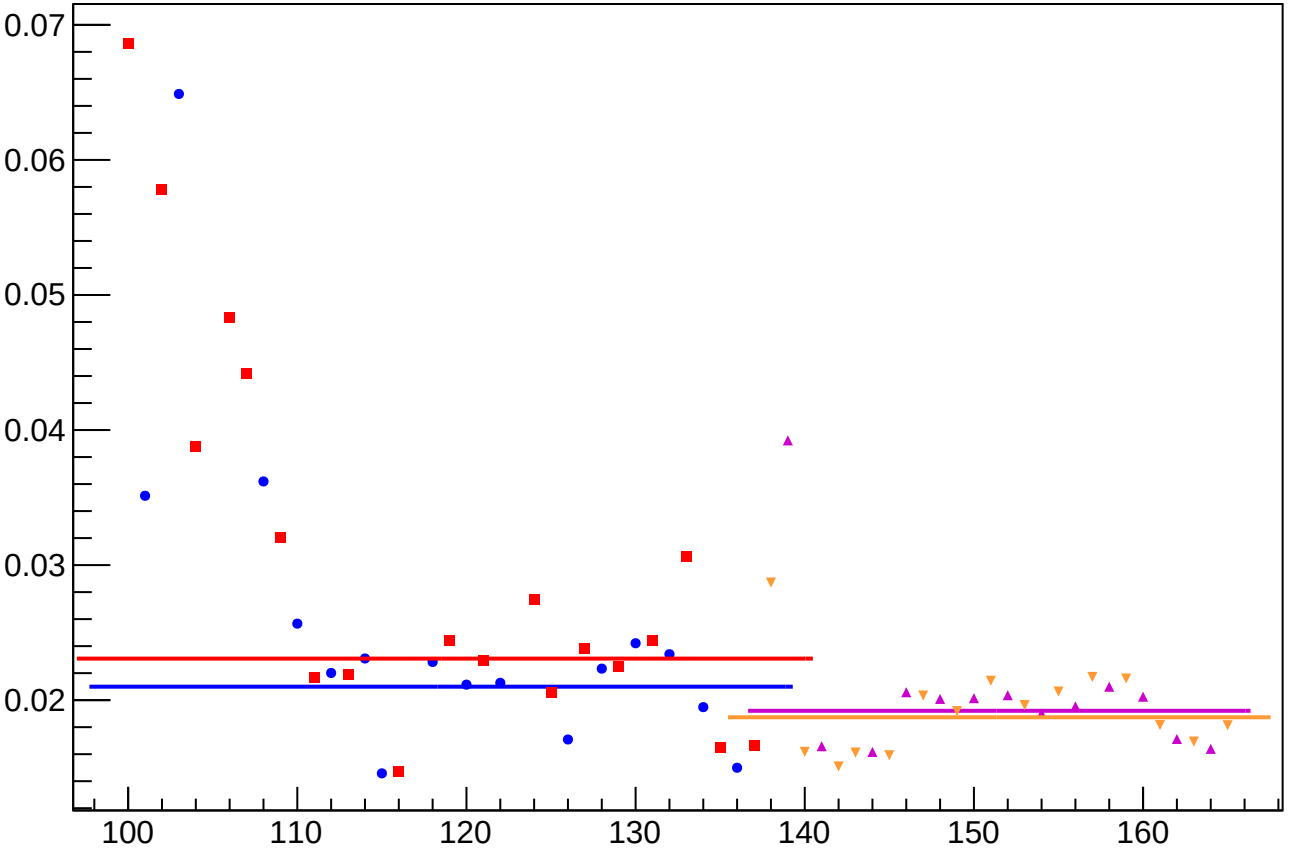
Left In: -1.121+/-0.000 χ^2/NDF:71494178.2/12

+ sign -1.075+/-0.000 χ^2/NDF: 1063698238.9/30

All: -1.075+/-0.000 χ^2/NDF: 2012940633.8/6

- sign -1.075+/-0.000 χ^2/NDF: 949242327.4/31

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:401871.8/14

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

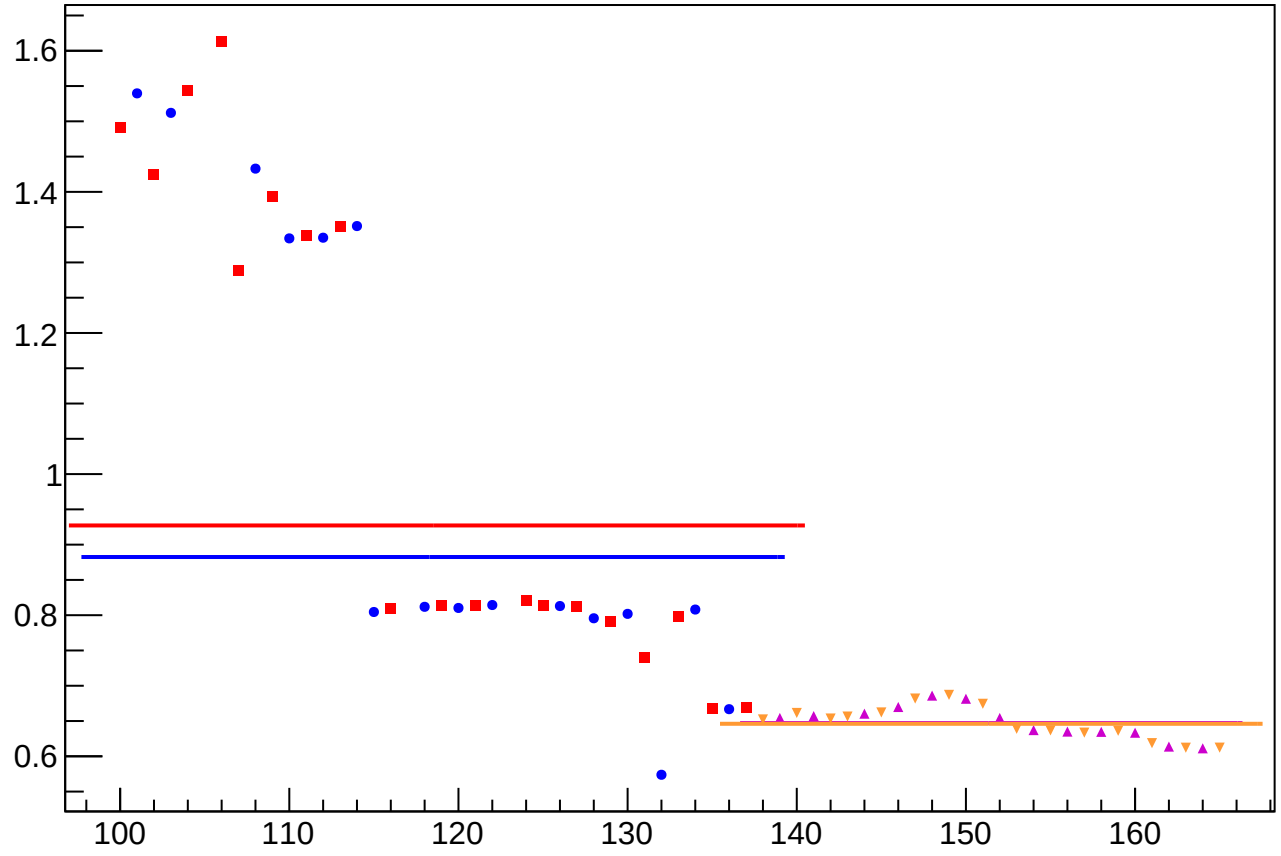
Left In: 0.019+/-0.000 χ^2/NDF:596303.9/12

+ sign 0.019+/-0.000 χ^2/NDF: 1654211.2/30

All: 0.020+/-0.000 χ^2/NDF: 3780691.5/62

- sign 0.020+/-0.000 χ^2/NDF: 2093533.7/31

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.646+/-0.000 χ^2/NDF:35095567.4/14

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

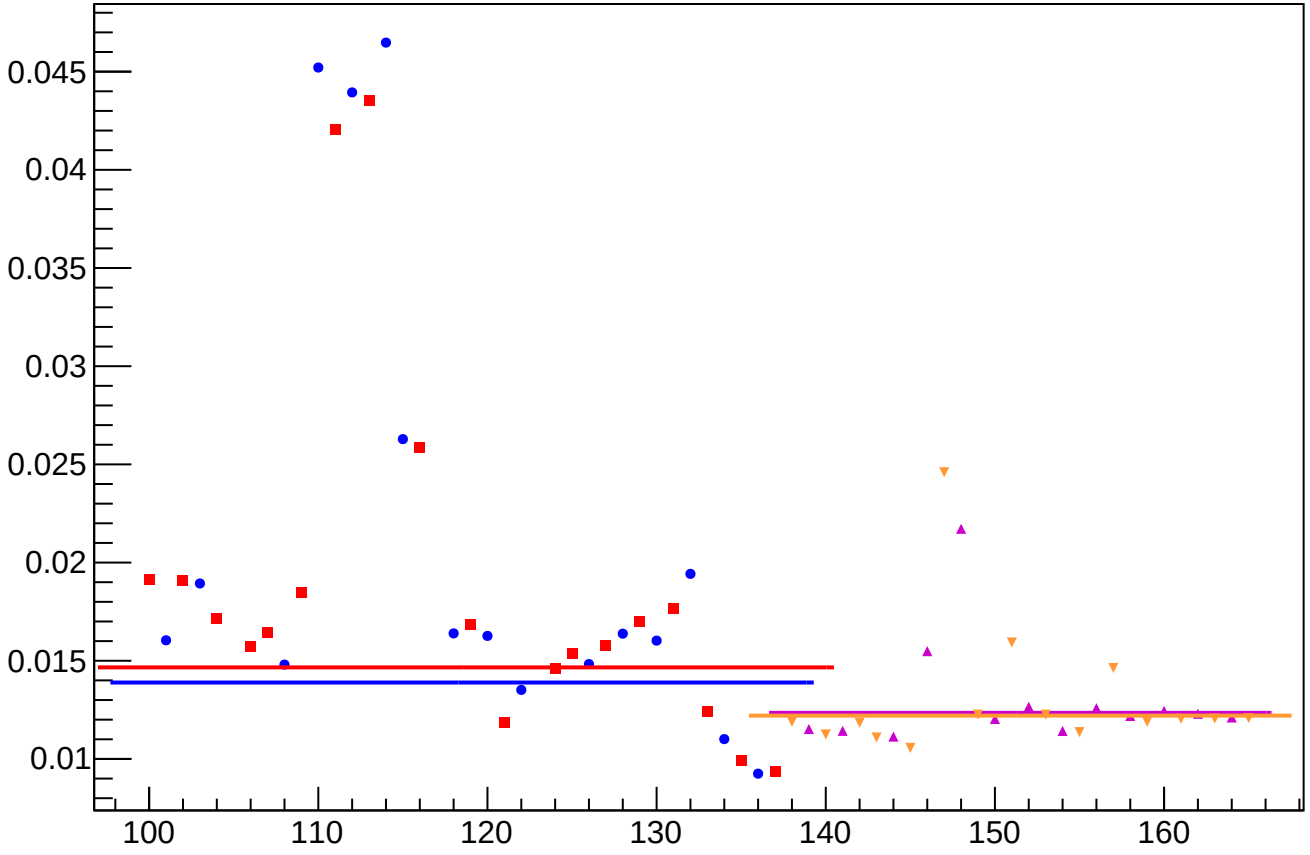
Left In: 0.647+/-0.000 χ^2/NDF:28271061.9/12

+ sign 0.715+/-0.000 χ^2/NDF: 4034606880.5/30

All: 0.722+/-0.000 χ^2/NDF: 8428102387.6/62

- sign 0.730+/-0.000 χ^2/NDF: 4381541810.0/31

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:608838.5/14

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

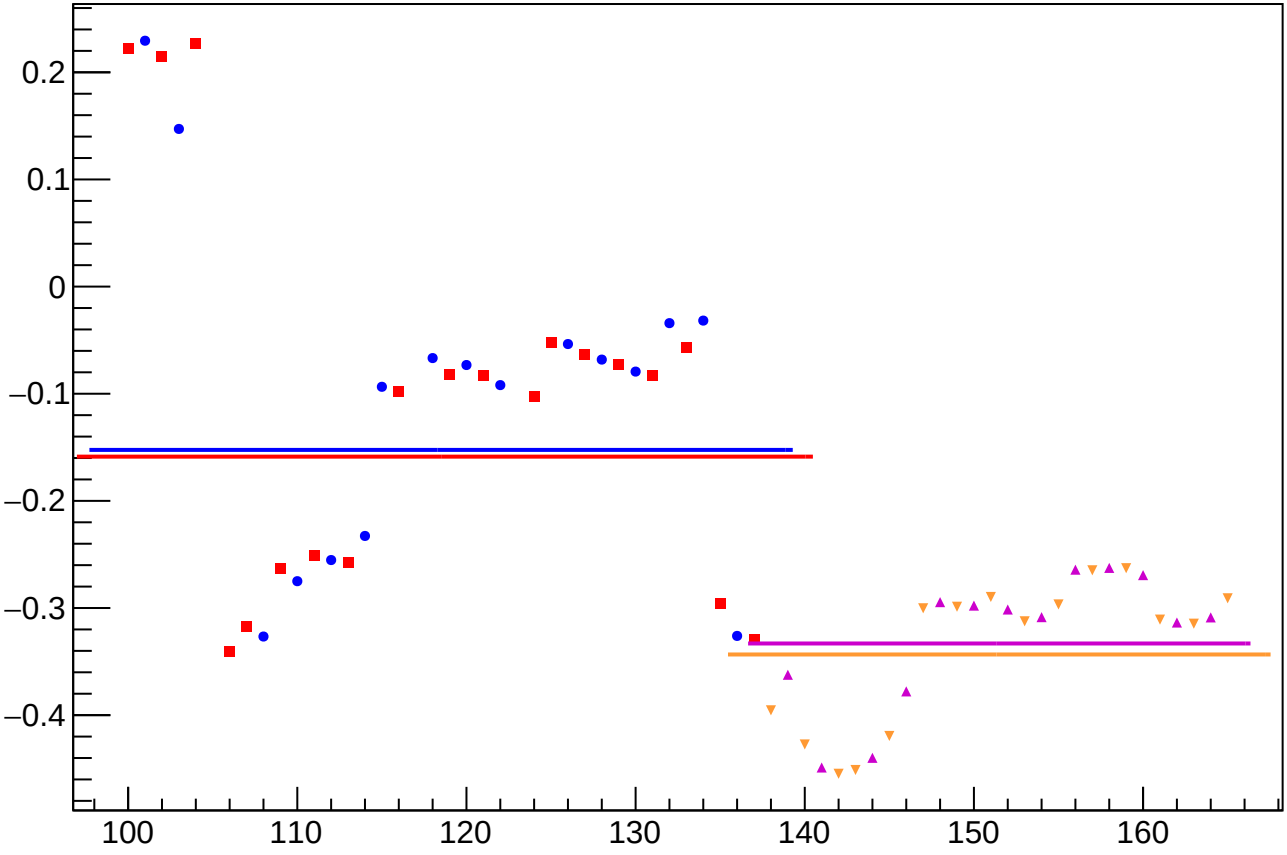
Left In: 0.012+/-0.000 χ^2/NDF:413269.3/12

+ sign 0.013+/-0.000 χ^2/NDF: 2379055.5/30

All: 0.013+/-0.000 χ^2/NDF: 4488398.5/62

- sign 0.013+/-0.000 χ^2/NDF: 2097857.7/31

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.343+/-0.000 χ^2/NDF:121596041.4/14

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

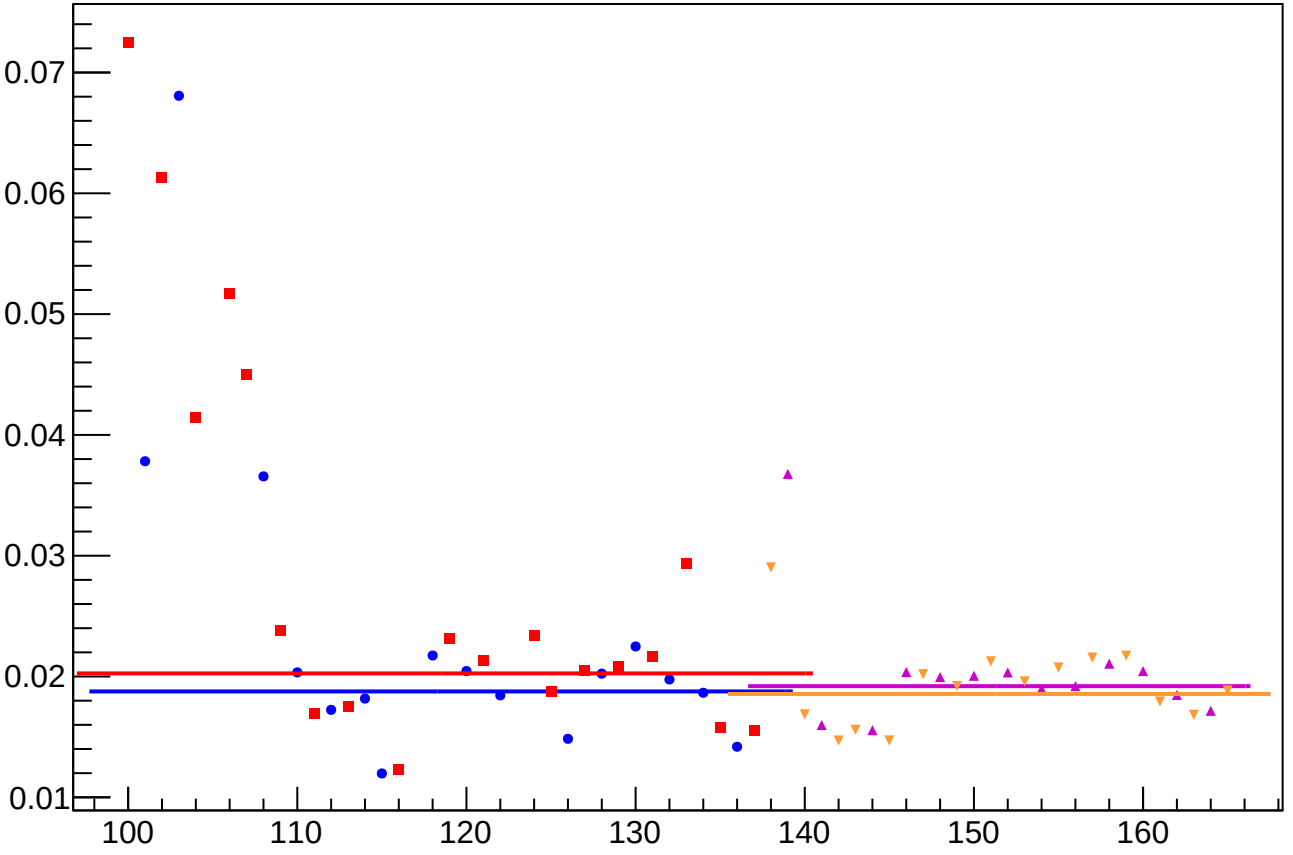
Left In: -0.333+/-0.000 χ^2/NDF:101343980.6/12

+ sign -0.275+/-0.000 χ^2/NDF: 747306033.5/30

All: -0.273+/-0.000 χ^2/NDF: 1303401534.0/6

- sign -0.271+/-0.000 χ^2/NDF: 555671338.6/31

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:477606.7/14

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

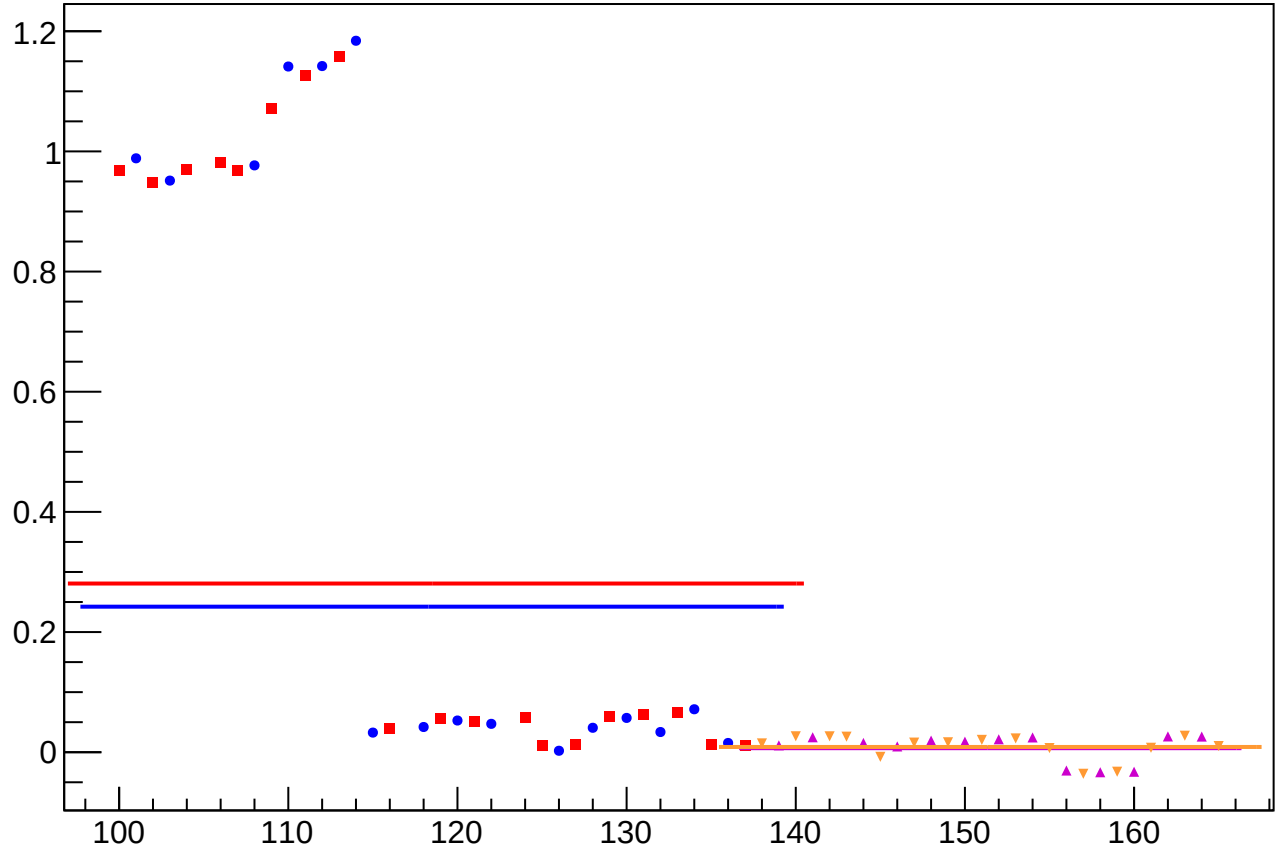
Left In: 0.019+/-0.000 χ^2/NDF:553222.6/12

+ sign 0.019+/-0.000 χ^2/NDF: 1827855.5/30

All: 0.019+/-0.000 χ^2/NDF: 3965087.6/62

- sign 0.020+/-0.000 χ^2/NDF: 2101818.4/31

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:38042761.8/14

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

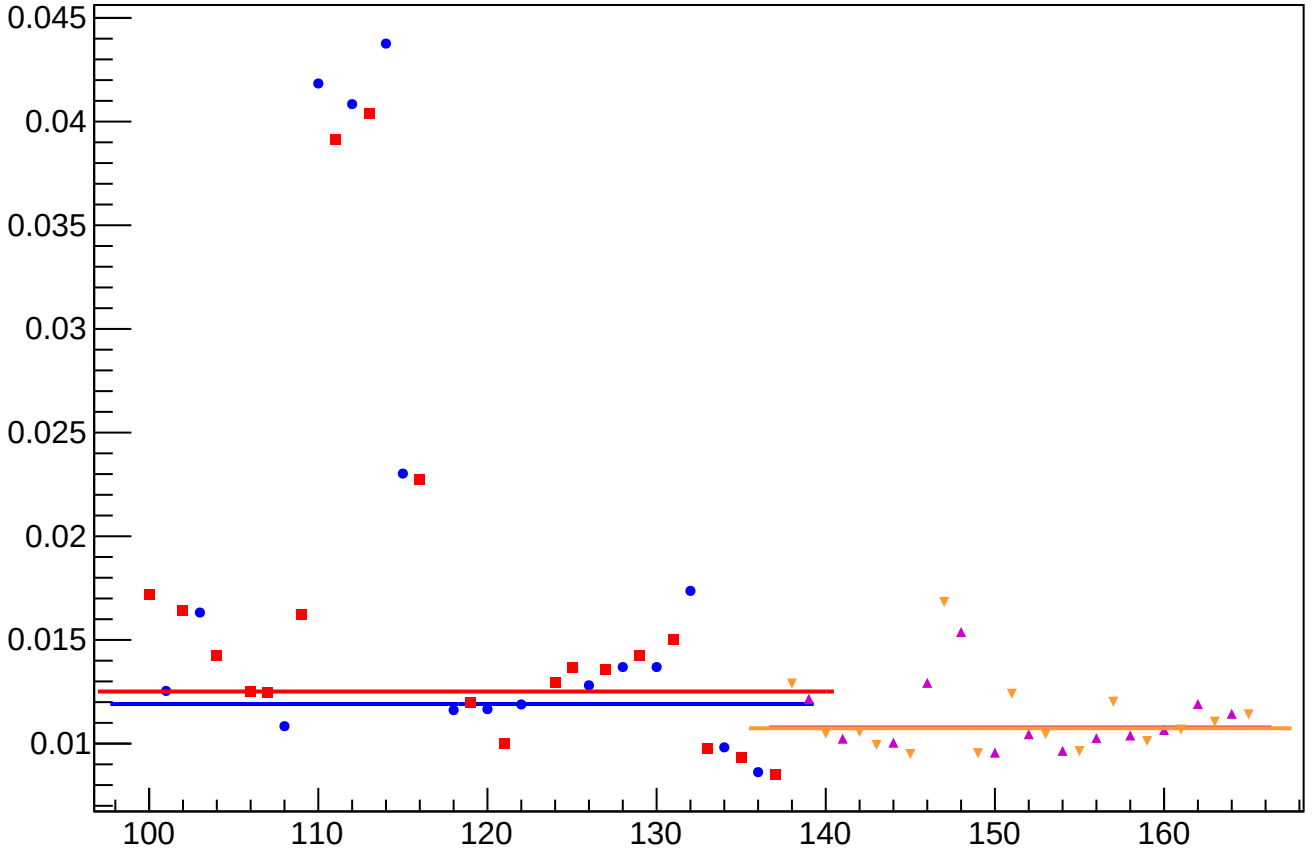
Left In: 0.007+/-0.000 χ^2/NDF:47606850.1/12

+ sign 0.080+/-0.000 χ^2/NDF: 8143445130.2/30

All: 0.085+/-0.000 χ^2/NDF: 17001323170.5/6

- sign 0.090+/-0.000 χ^2/NDF: 8850458911.0/31

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:394746.6/14

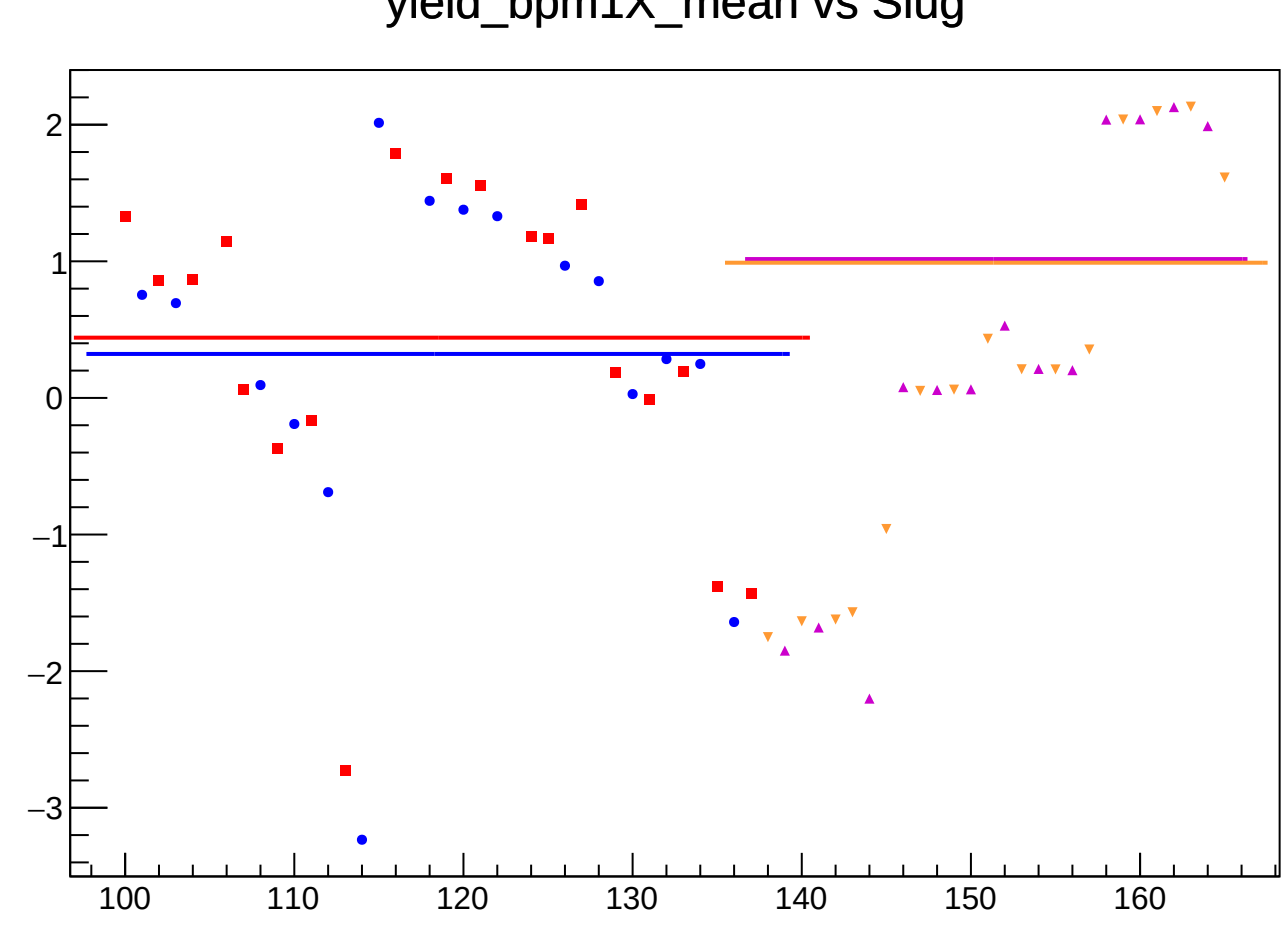
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:301499.7/12

+ sign 0.011+/-0.000 χ^2/NDF: 1934591.3/30

All: 0.011+/-0.000 χ^2/NDF: 3798880.1/62

- sign 0.011+/-0.000 χ^2/NDF: 1858426.6/31



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.990+/-0.000 χ^2/NDF:27821041721.3/14

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

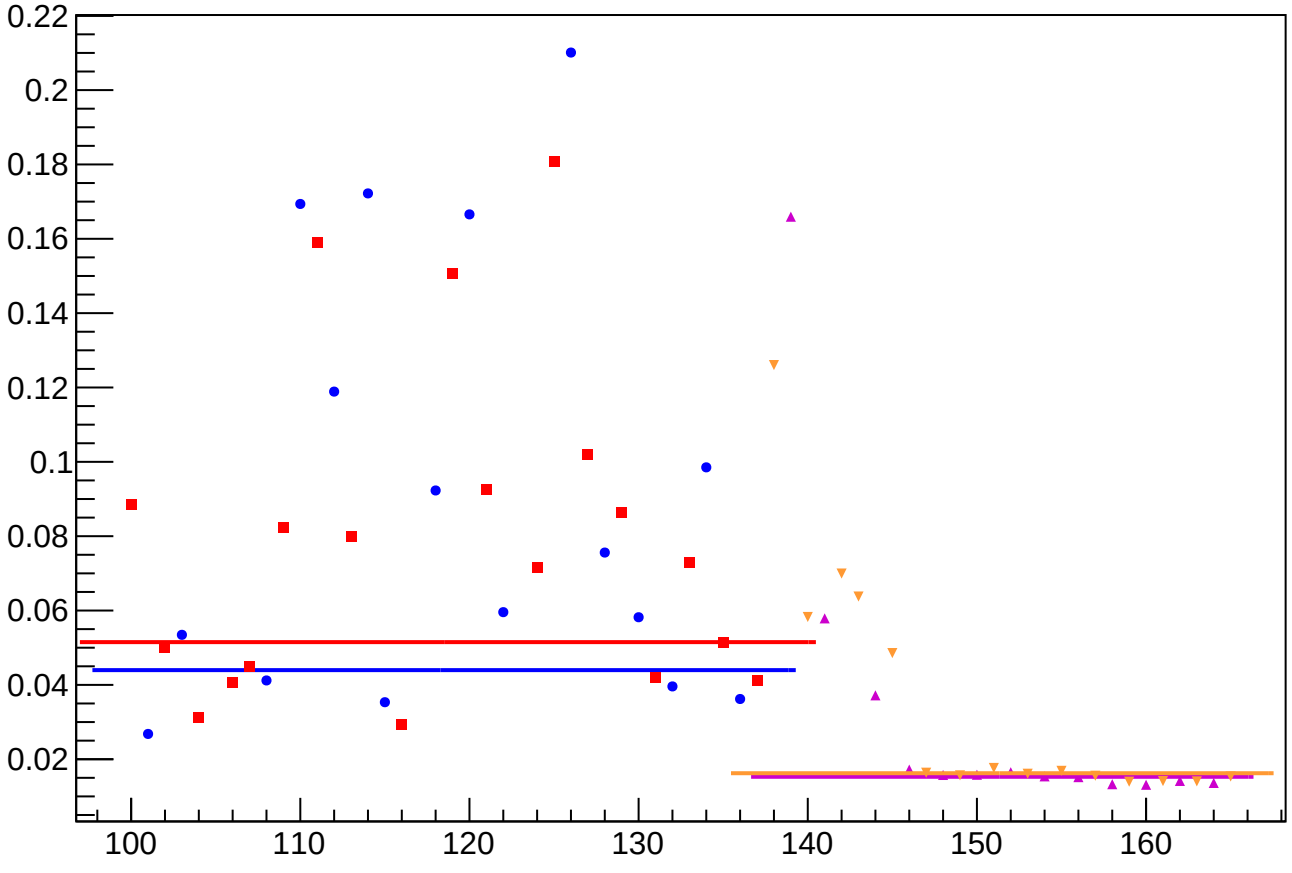
Left In: 1.017+/-0.000 χ^2/NDF:31802029243.7/12

+ sign 0.949+/-0.000 χ^2/NDF: 30316951760.2/30

All: 0.969+/-0.000 χ^2/NDF: 64461030746.7/6

- sign 0.989+/-0.000 χ^2/NDF: 34117476978.8/31

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2876356.7/14

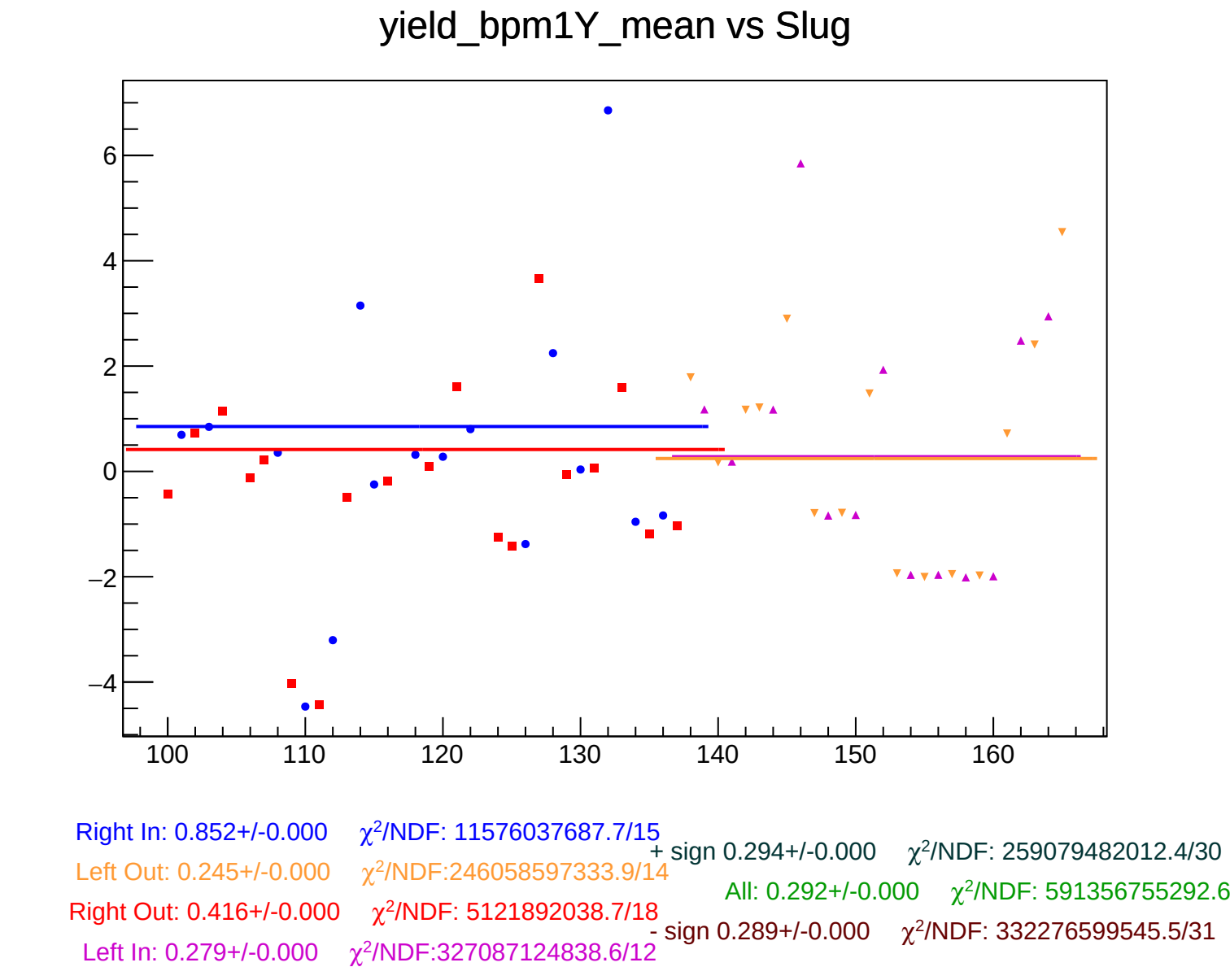
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2143706.2/12

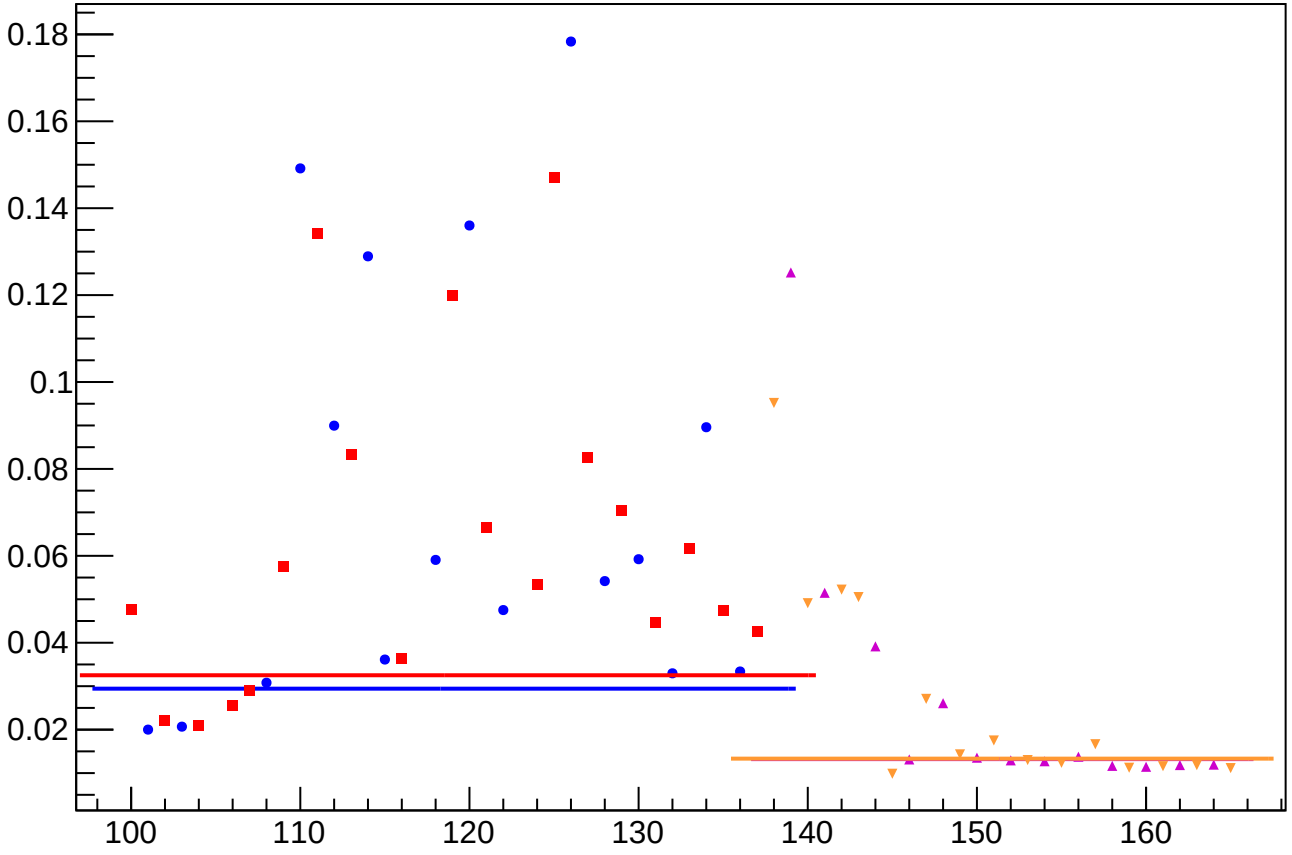
+ sign 0.018+/-0.000 χ^2/NDF: 8529486.7/30

All: 0.017+/-0.000 χ^2/NDF: 17179321.9/62

- sign 0.017+/-0.000 χ^2/NDF: 8622173.6/31


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: 0.245+/-0.000 χ²/NDF:246058597333.9/14
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 0.279+/-0.000 χ²/NDF:327087124838.6/12
+ sign 0.294+/-0.000 χ²/NDF: 259079482012.4/30
All: 0.292+/-0.000 χ²/NDF: 591356755292.6
- sign 0.289+/-0.000 χ²/NDF: 332276599545.5/31

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3070780.3/14

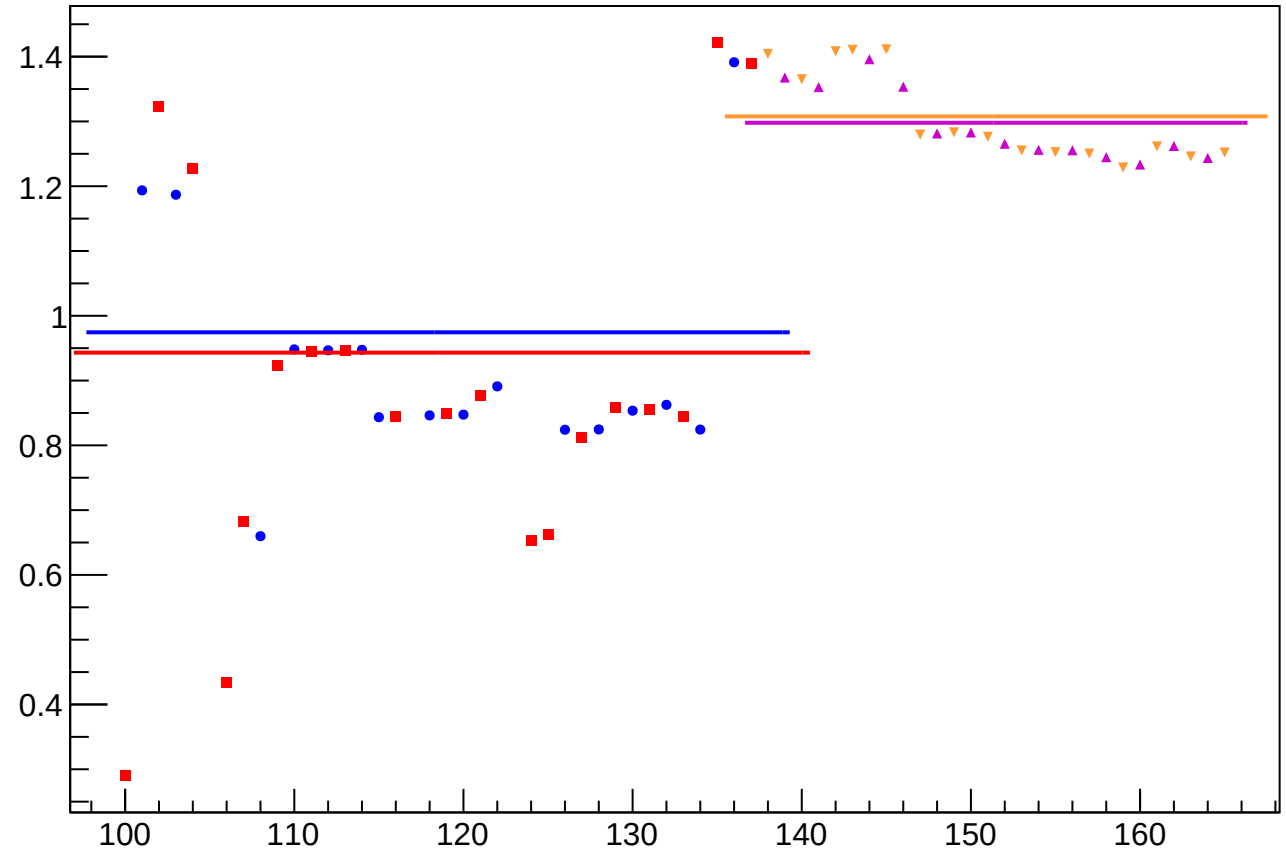
Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2629962.1/12

+ sign 0.015+/-0.000 χ^2/NDF: 8290734.3/30

All: 0.015+/-0.000 χ^2/NDF: 16923004.0/62

- sign 0.015+/-0.000 χ^2/NDF: 8632227.7/31



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.308+/-0.000 χ^2/NDF:259709314.9/14

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

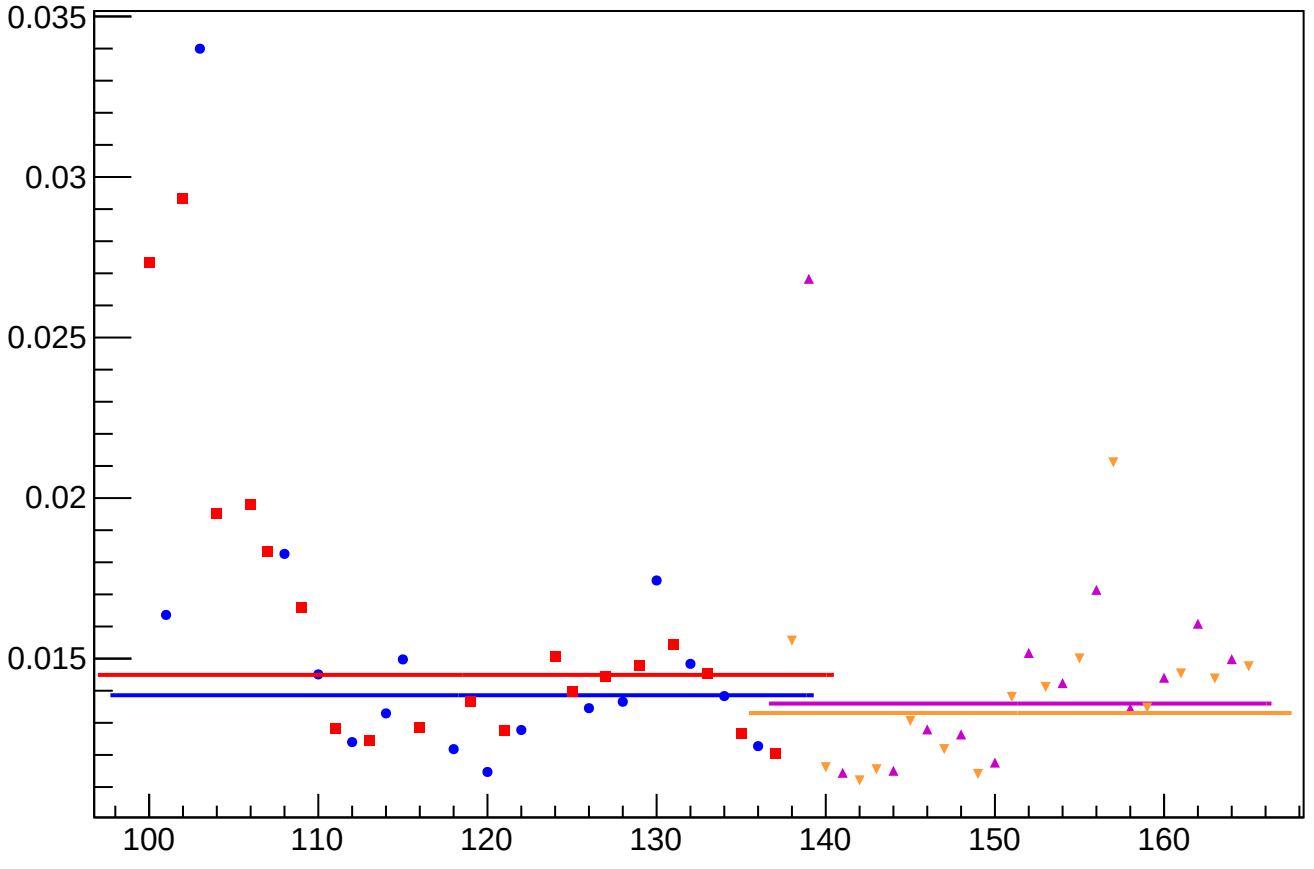
Left In: 1.298+/-0.000 χ^2/NDF:151887677.7/12

+ sign 1.187+/-0.000 χ^2/NDF: 4013306342.5/30

All: 1.177+/-0.000 χ^2/NDF: 8269037914.6/62

- sign 1.166+/-0.000 χ^2/NDF: 4236410951.4/31

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:400746.8/14

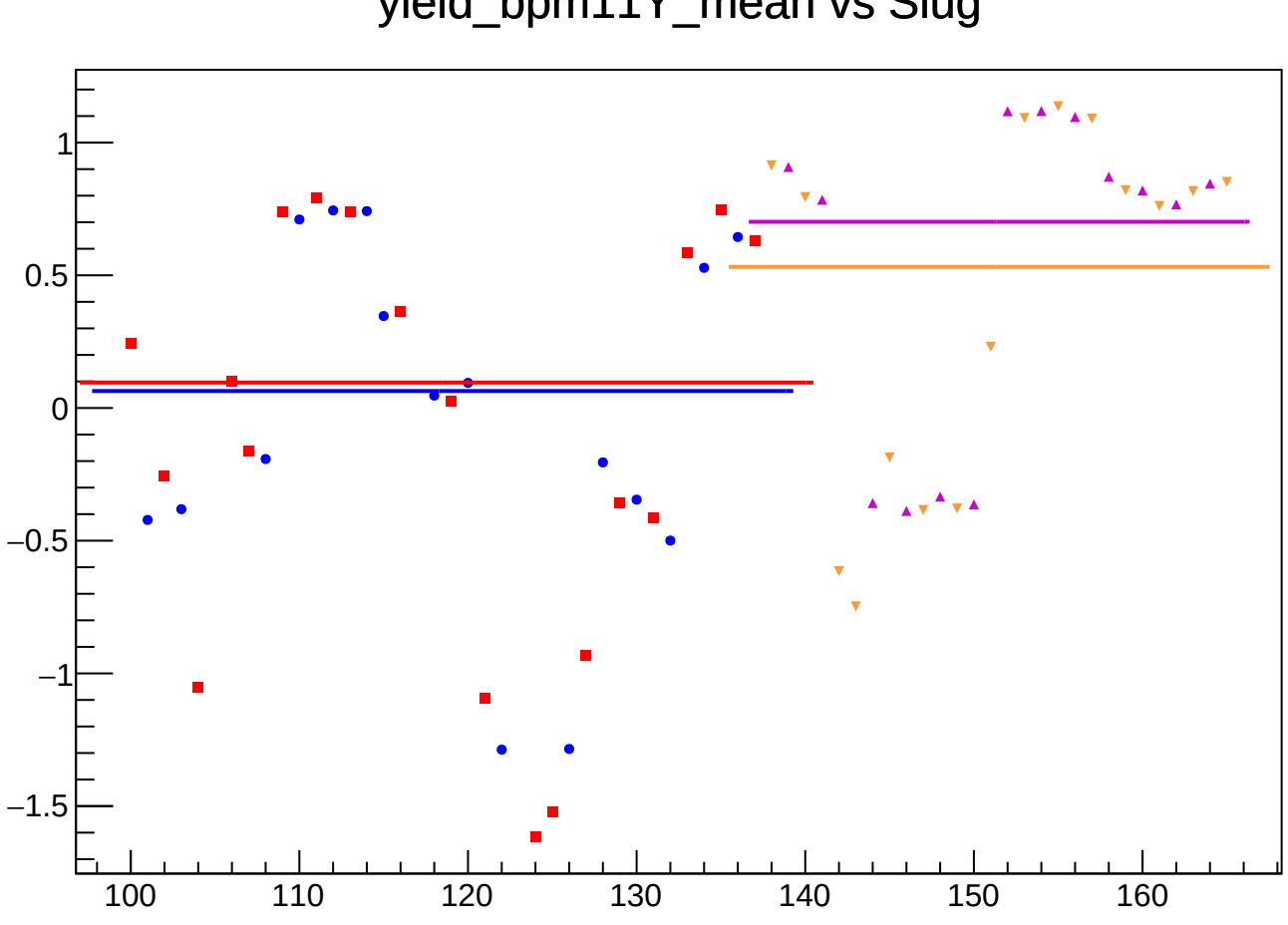
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:684590.7/12

\+ sign 0.014+/-0.000 χ^2/NDF: 1013388.4/30

All: 0.014+/-0.000 χ^2/NDF: 2288455.1/62

\- sign 0.014+/-0.000 χ^2/NDF: 1259482.5/31



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.532+/-0.000 χ^2/NDF:26916421250.4/14

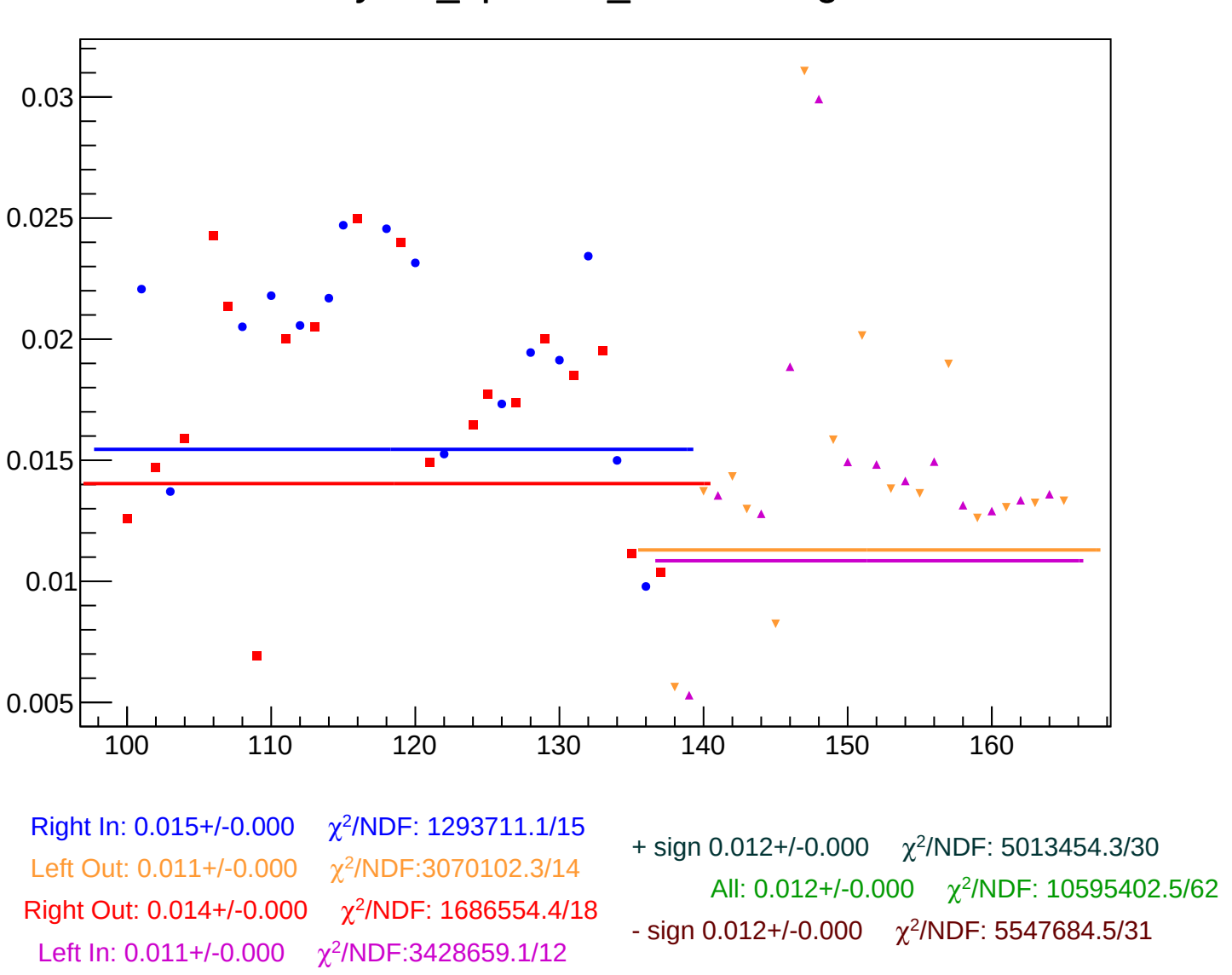
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.702+/-0.000 χ^2/NDF:17456719142.7/12

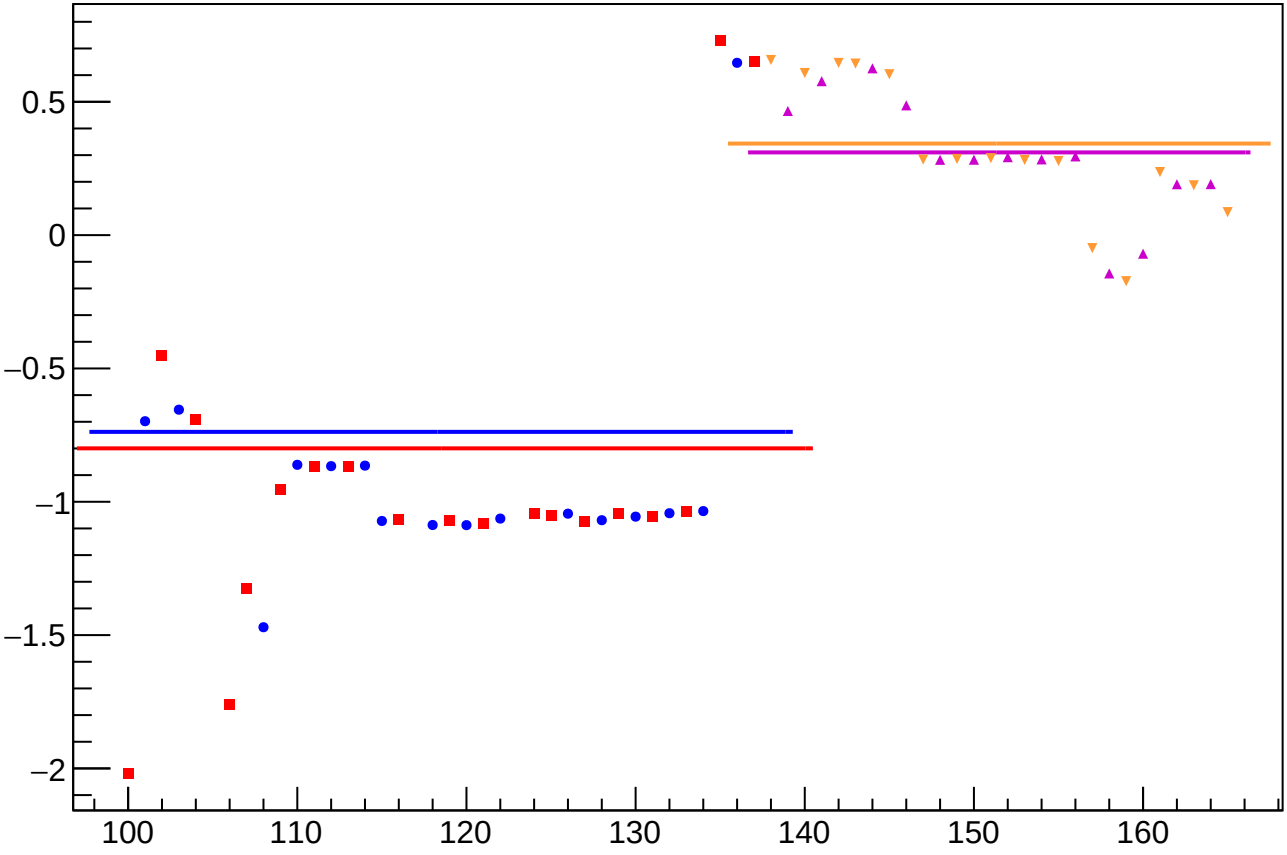
+ sign 0.414+/-0.000 χ^2/NDF: 42070831535.8/30

All: 0.472+/-0.000 χ^2/NDF: 85780789750.7/6

- sign 0.528+/-0.000 χ^2/NDF: 43047452665.8/31


yield_bpm11Y_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.015+/-0.000 χ²/NDF: 1293711.1/15
Left Out: 0.011+/-0.000 χ²/NDF:3070102.3/14
Right Out: 0.014+/-0.000 χ²/NDF: 1686554.4/18
Left In: 0.011+/-0.000 χ²/NDF:3428659.1/12
+ sign 0.012+/-0.000 χ²/NDF: 5013454.3/30
All: 0.012+/-0.000 χ²/NDF: 10595402.5/62
- sign 0.012+/-0.000 χ²/NDF: 5547684.5/31

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.343+/-0.000 χ^2/NDF:504477948.7/14

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

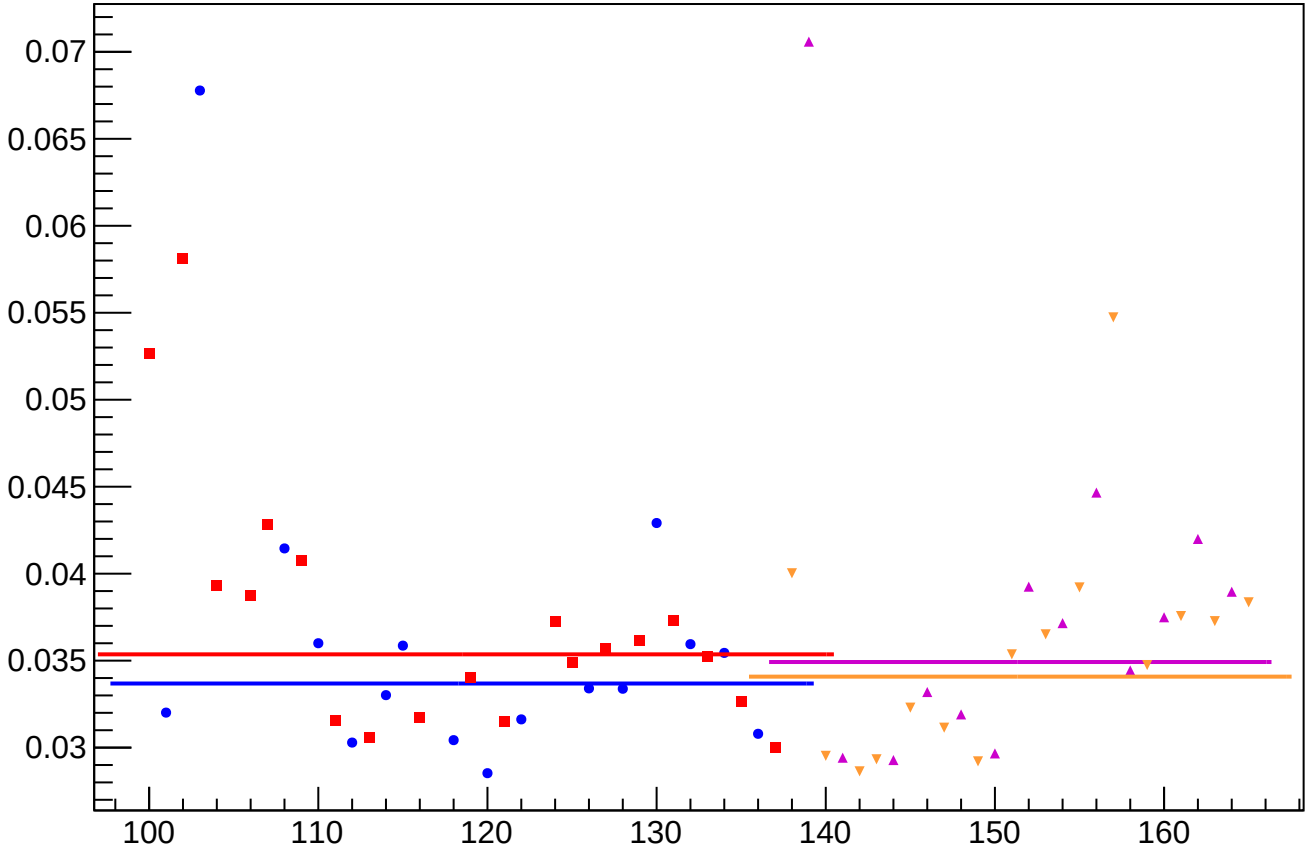
Left In: 0.310+/-0.000 χ^2/NDF:404942792.2/12

+ sign -0.080+/-0.000 χ^2/NDF: 6529492382.6/30

All: -0.105+/-0.000 χ^2/NDF: 12661239824.7/

- sign -0.134+/-0.000 χ^2/NDF: 6112125986.3/31

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:436130.0/14

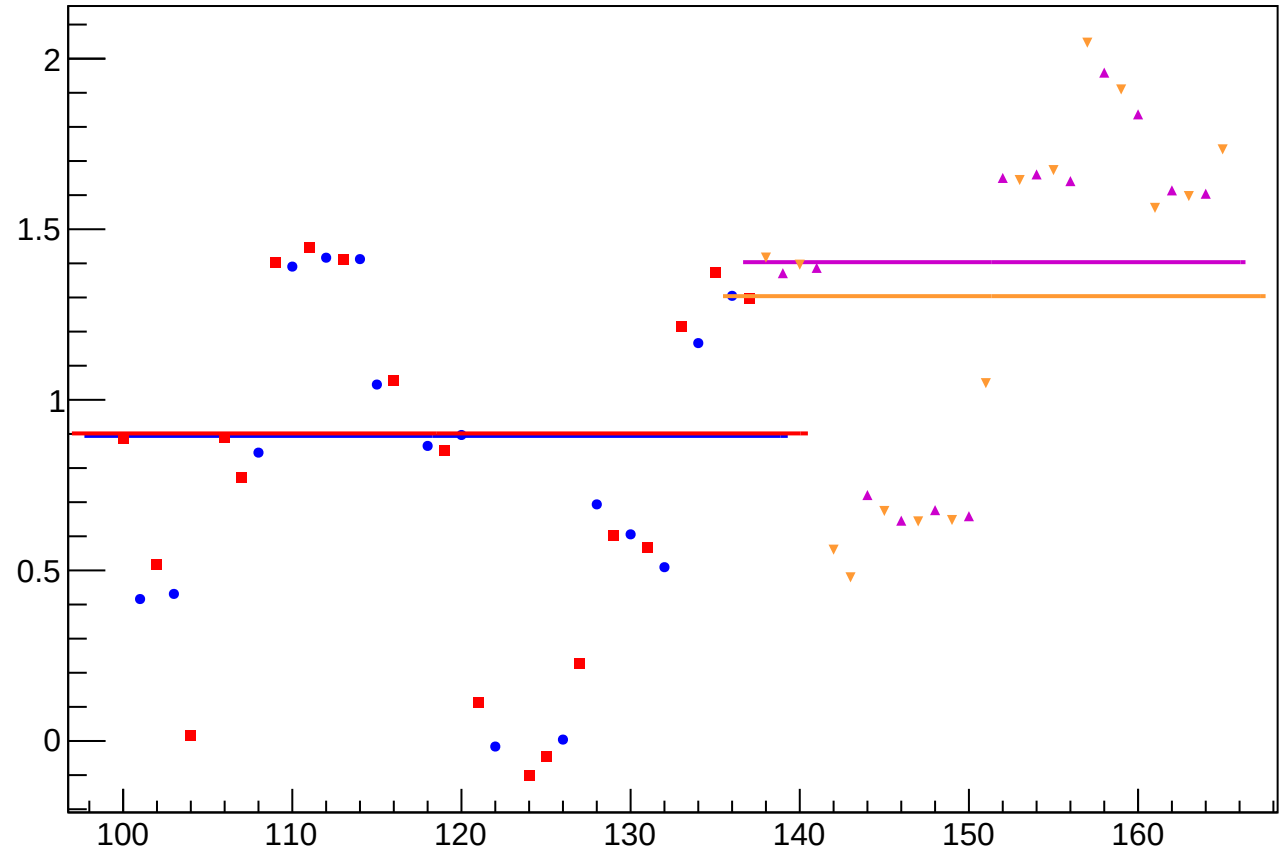
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:744944.4/12

+ sign 0.034+/-0.000 χ^2/NDF: 857413.9/30

All: 0.034+/-0.000 χ^2/NDF: 1918500.7/62

- sign 0.035+/-0.000 χ^2/NDF: 1042505.3/31



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.304+/-0.000 χ^2/NDF:32339163277.5/14

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

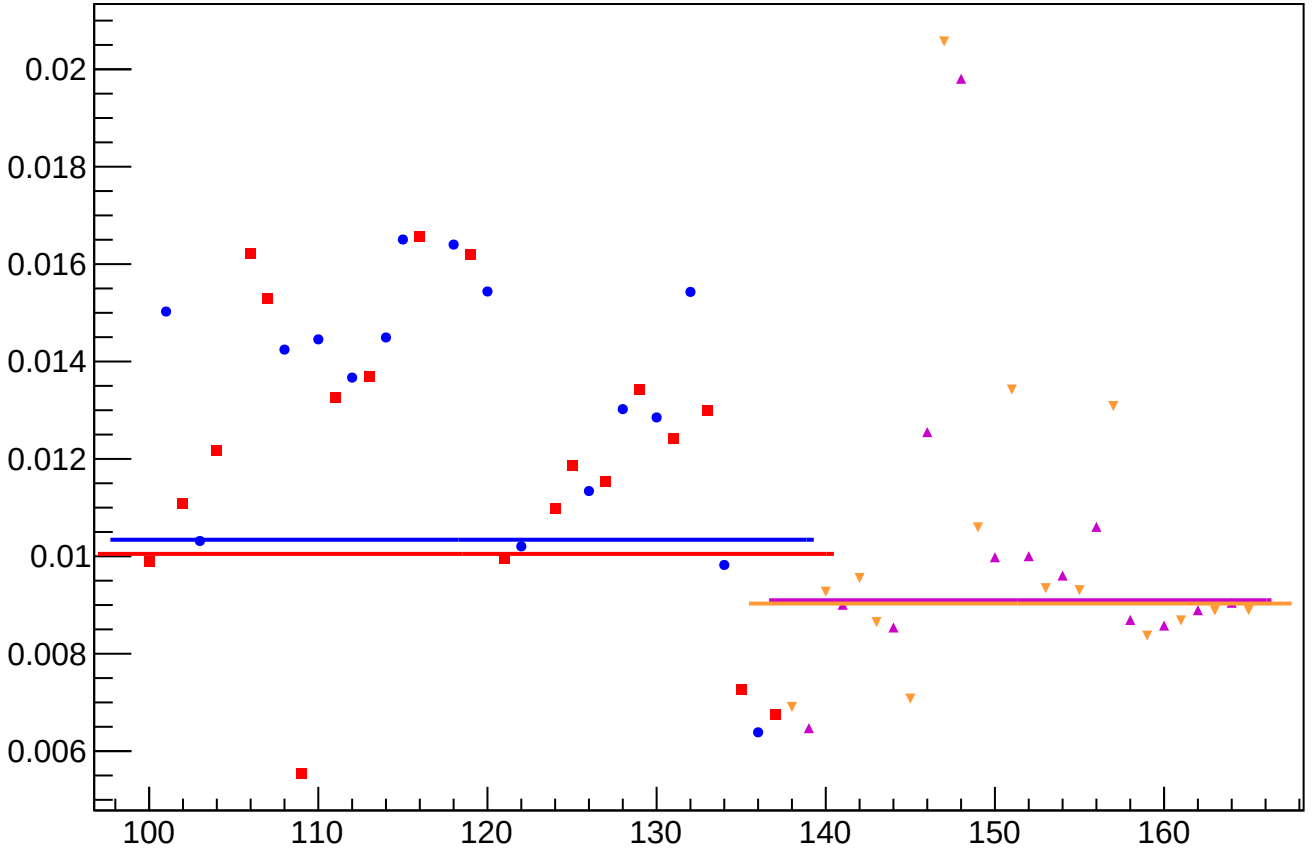
Left In: 1.404+/-0.000 χ^2/NDF:22198176243.5/12

+ sign 1.182+/-0.000 χ^2/NDF: 51655313051.4/30

All: 1.209+/-0.000 χ^2/NDF: 102161018349.2

- sign 1.237+/-0.000 χ^2/NDF: 50228416474.5/31

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:1123829.9/14

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

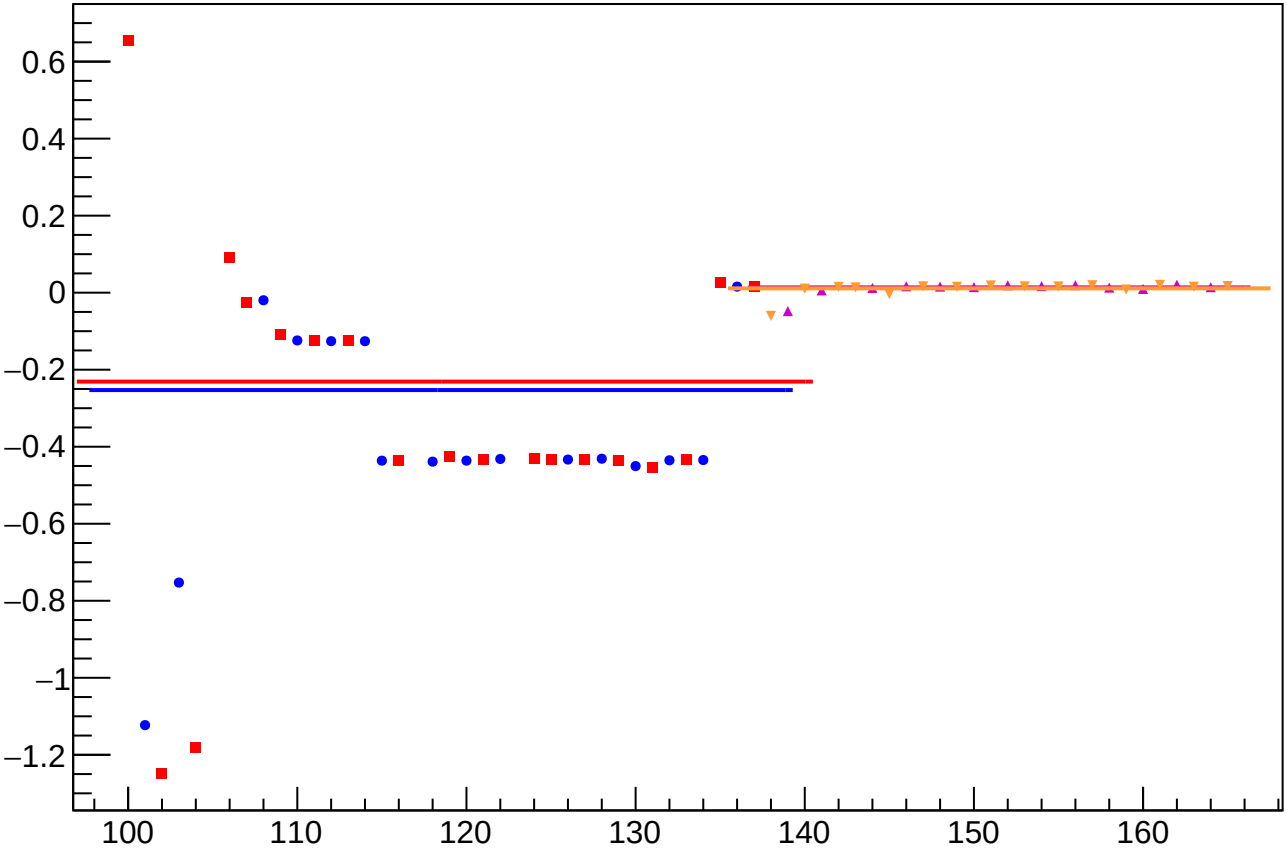
Left In: 0.009+/-0.000 χ^2/NDF:917976.6/12

+ sign 0.009+/-0.000 χ^2/NDF: 2608676.8/30

All: 0.009+/-0.000 χ^2/NDF: 4936549.1/62

- sign 0.009+/-0.000 χ^2/NDF: 2327863.1/31

yield_bpm16X_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:23079249.8/14

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

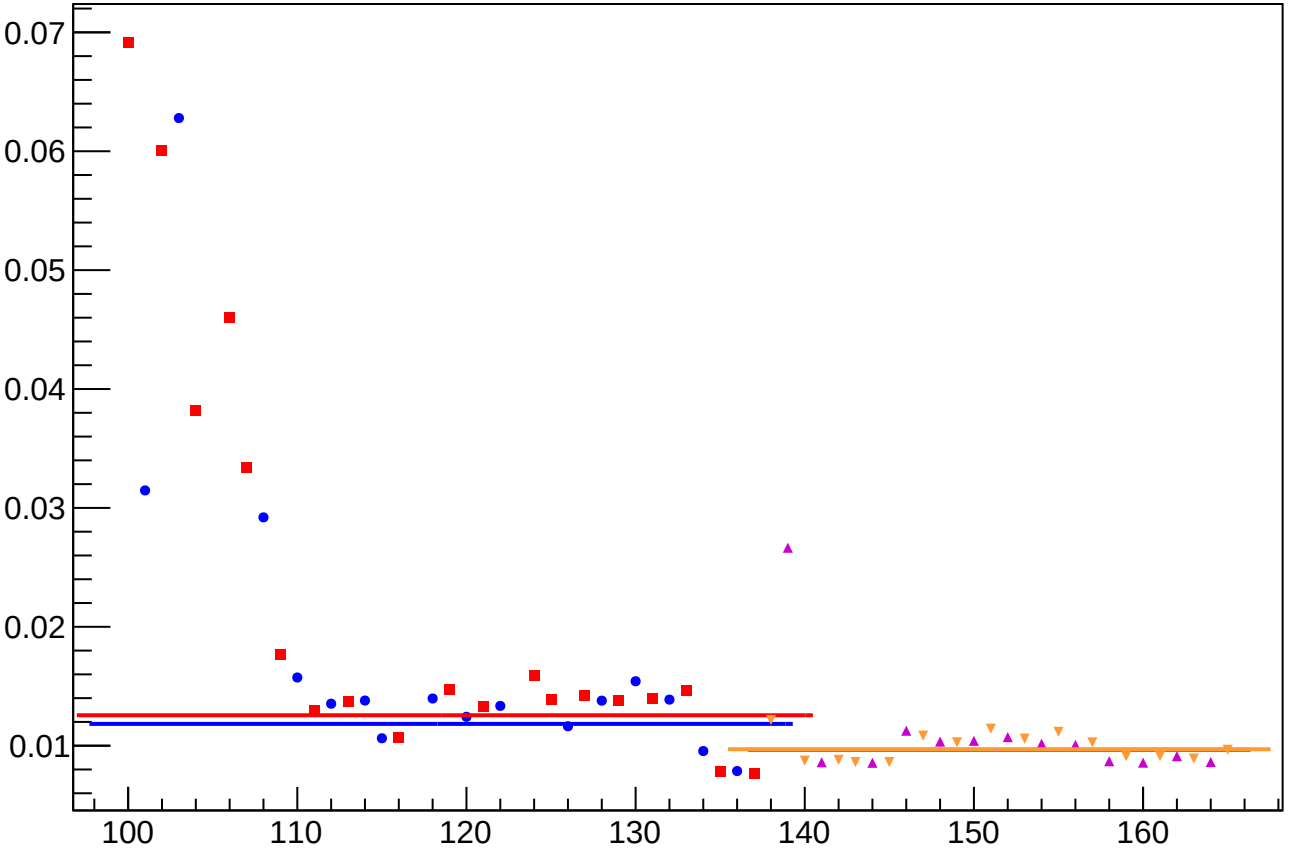
Left In: 0.014+/-0.000 χ^2/NDF:6203930.2/12

+ sign -0.056+/-0.000 χ^2/NDF: 3892021342.2/30

All: -0.052+/-0.000 χ^2/NDF: 7138315977.5/6

- sign -0.047+/-0.000 χ^2/NDF: 3240906324.5/31

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:222044.2/14

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

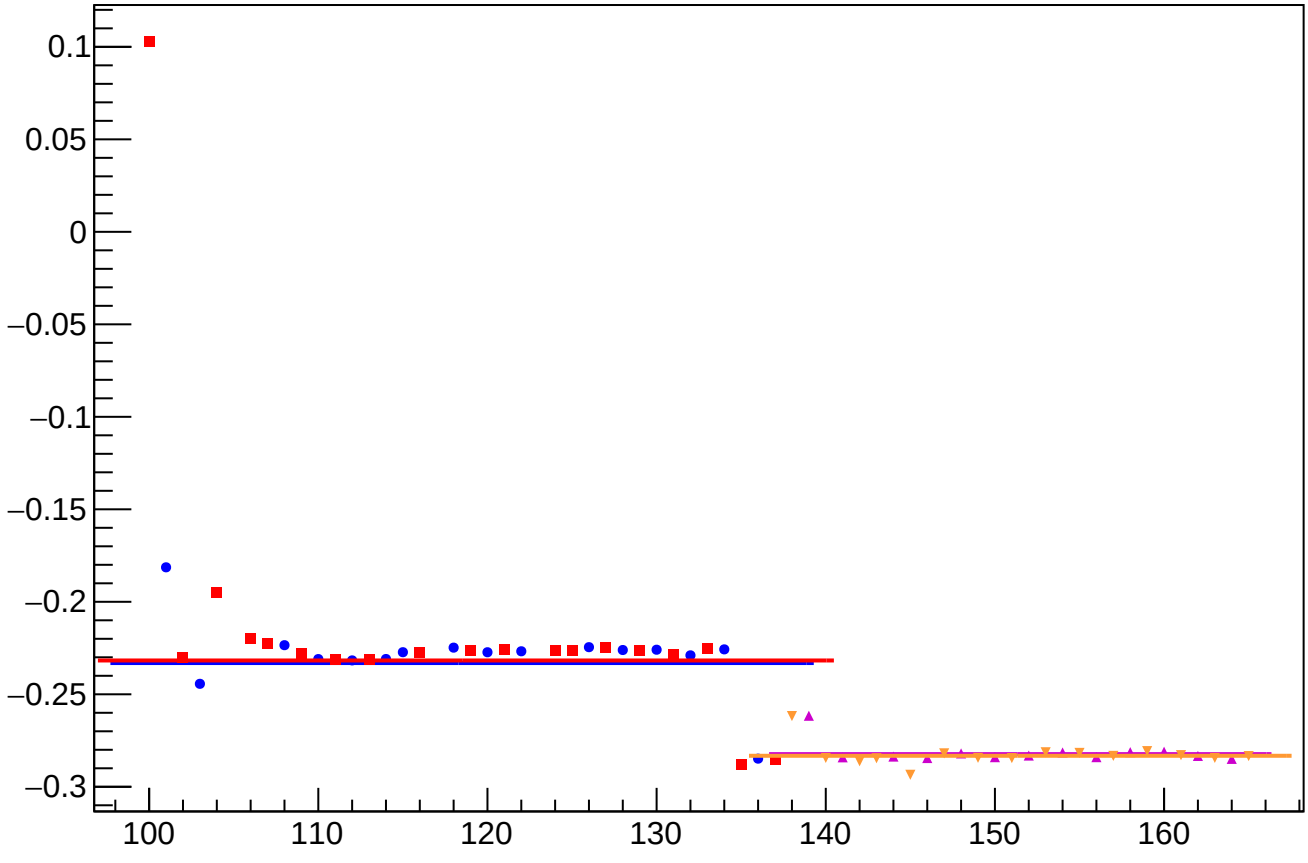
Left In: 0.010+/-0.000 χ^2/NDF:845436.1/12

+ sign 0.010+/-0.000 χ^2/NDF: 2404818.2/30

All: 0.010+/-0.000 χ^2/NDF: 5872278.1/62

- sign 0.010+/-0.000 χ^2/NDF: 3465152.8/31

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:15014174.1/14

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

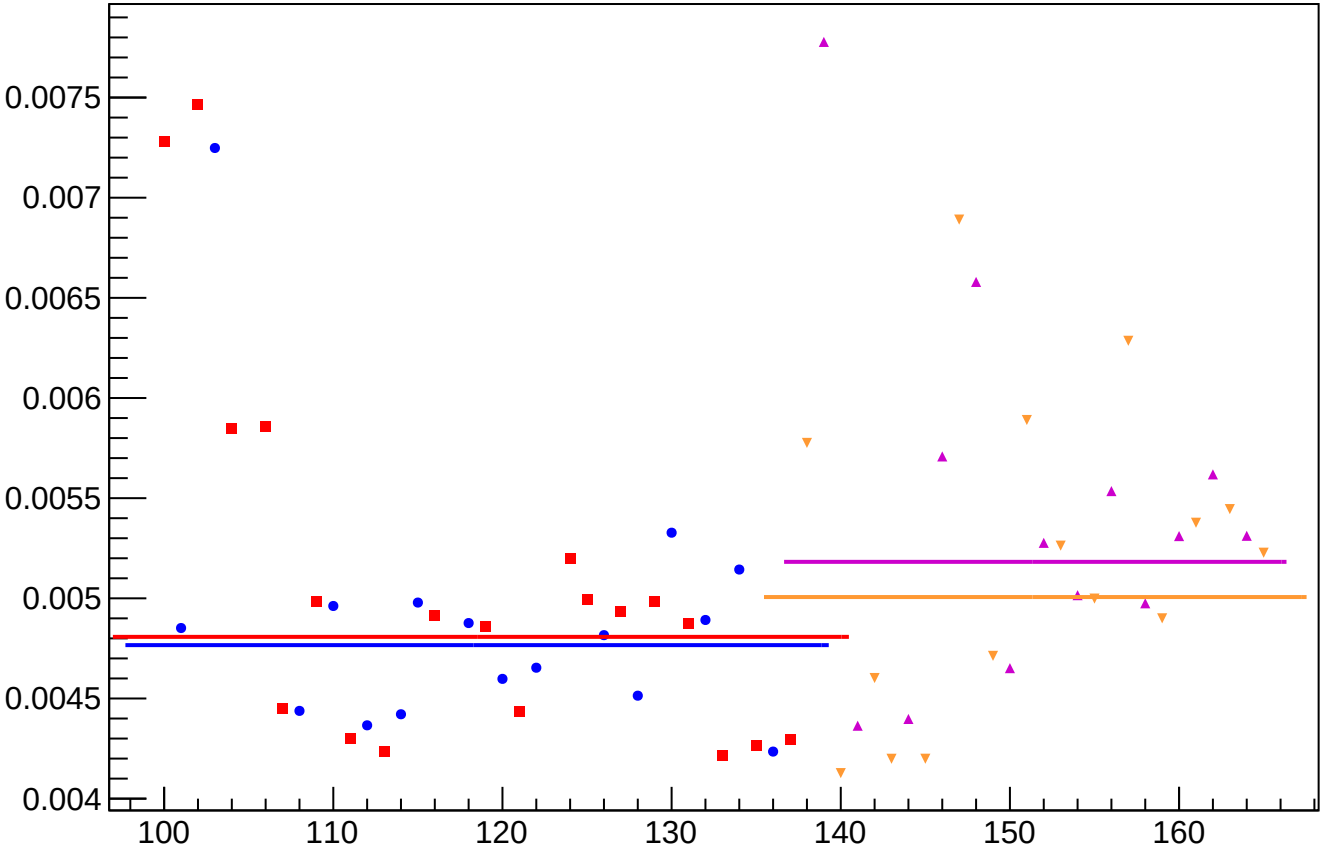
Left In: -0.282+/-0.000 χ^2/NDF:6479885.8/12

+ sign -0.263+/-0.000 χ^2/NDF: 644175752.3/30

All: -0.262+/-0.000 χ^2/NDF: 1361997324.7/6

- sign -0.260+/-0.000 χ^2/NDF: 714714762.9/31

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:453111.4/14

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

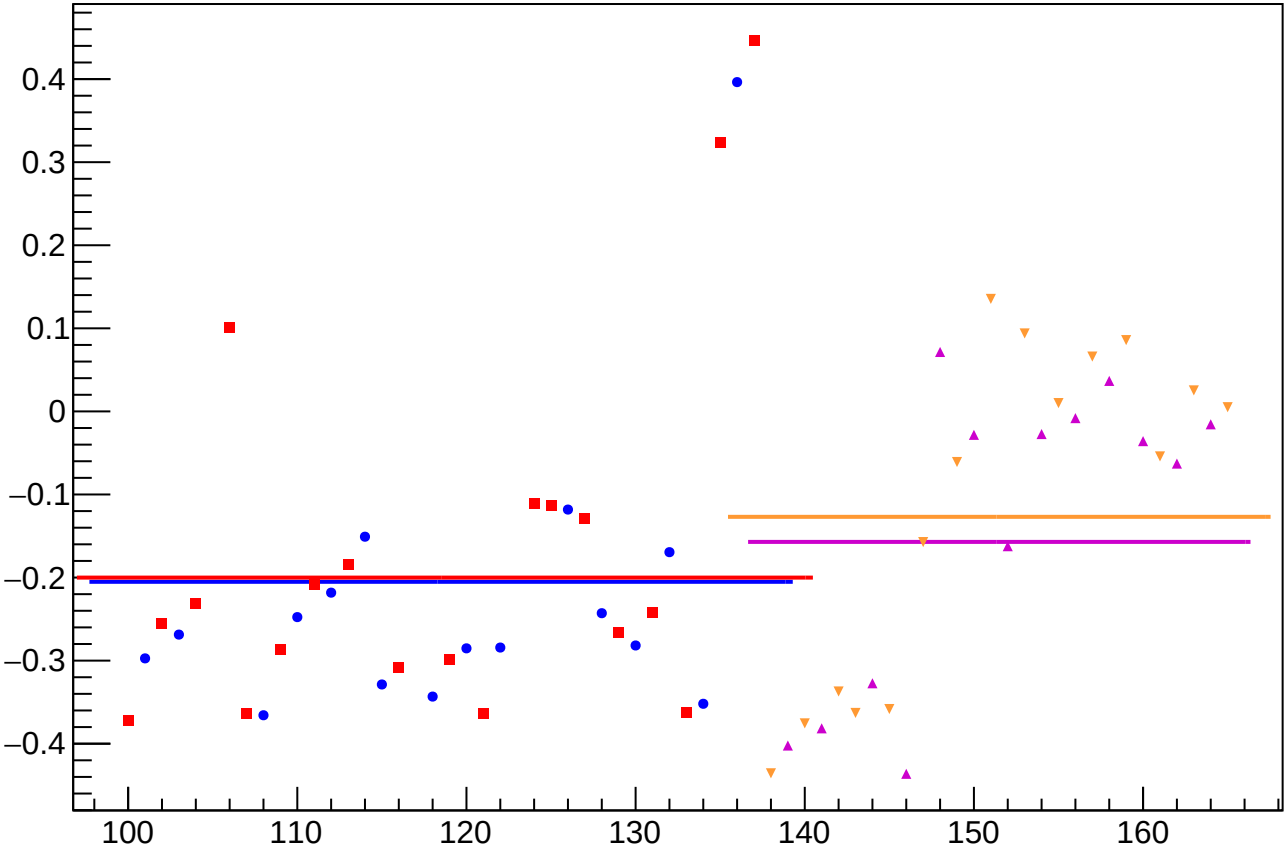
Left In: 0.005+/-0.000 χ^2/NDF:418116.8/12

+ sign 0.005+/-0.000 χ^2/NDF: 664587.6/30

All: 0.005+/-0.000 χ^2/NDF: 1430622.1/62

- sign 0.005+/-0.000 χ^2/NDF: 757919.3/31

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.127+/-0.000 χ^2/NDF:14731687325.5/14

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

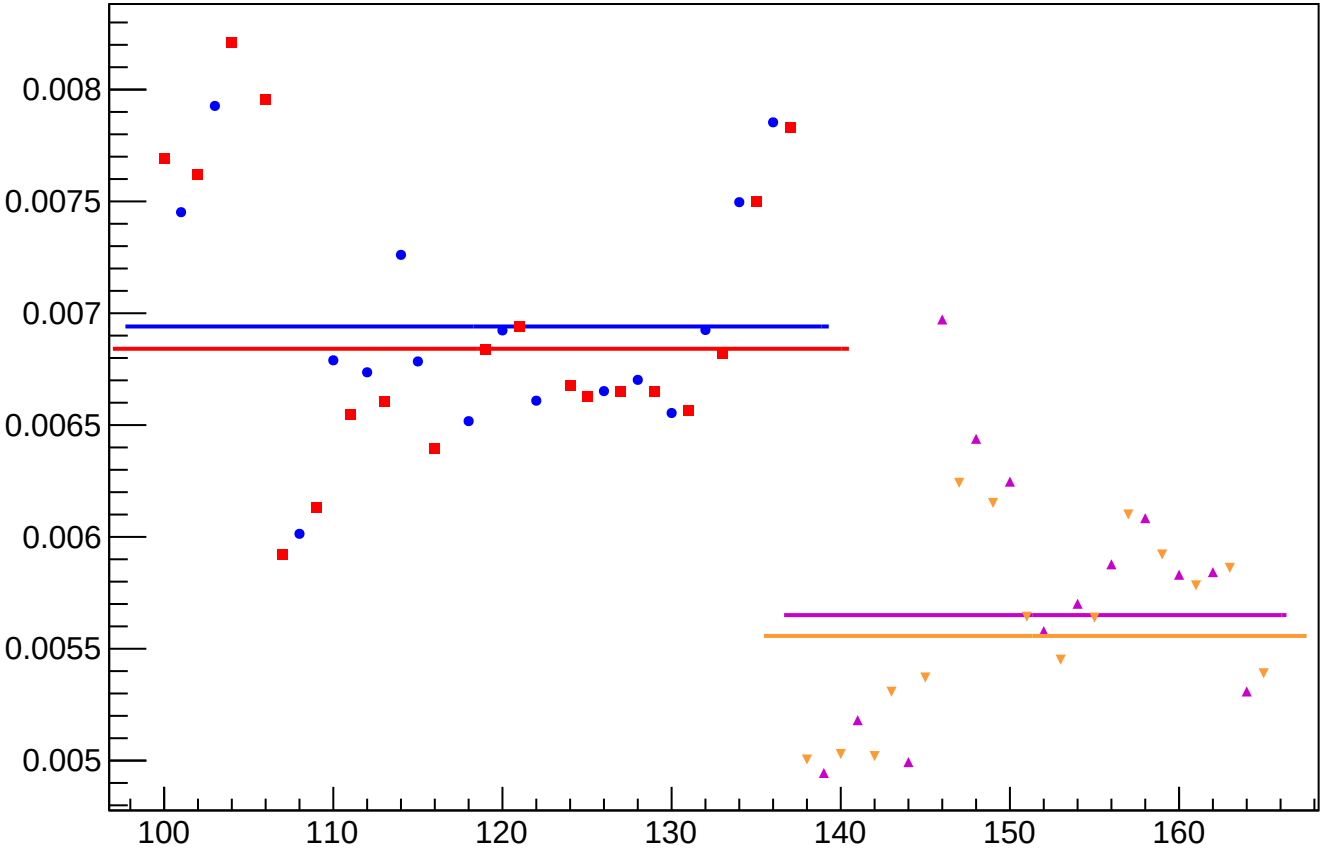
Left In: -0.157+/-0.000 χ^2/NDF:9724593731.8/12

+ sign -0.150+/-0.000 χ^2/NDF: 21553781003.7/30

All: -0.160+/-0.000 χ^2/NDF: 36831313885.1/

- sign -0.171+/-0.000 χ^2/NDF: 15165565022.3/31

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:109557.3/14

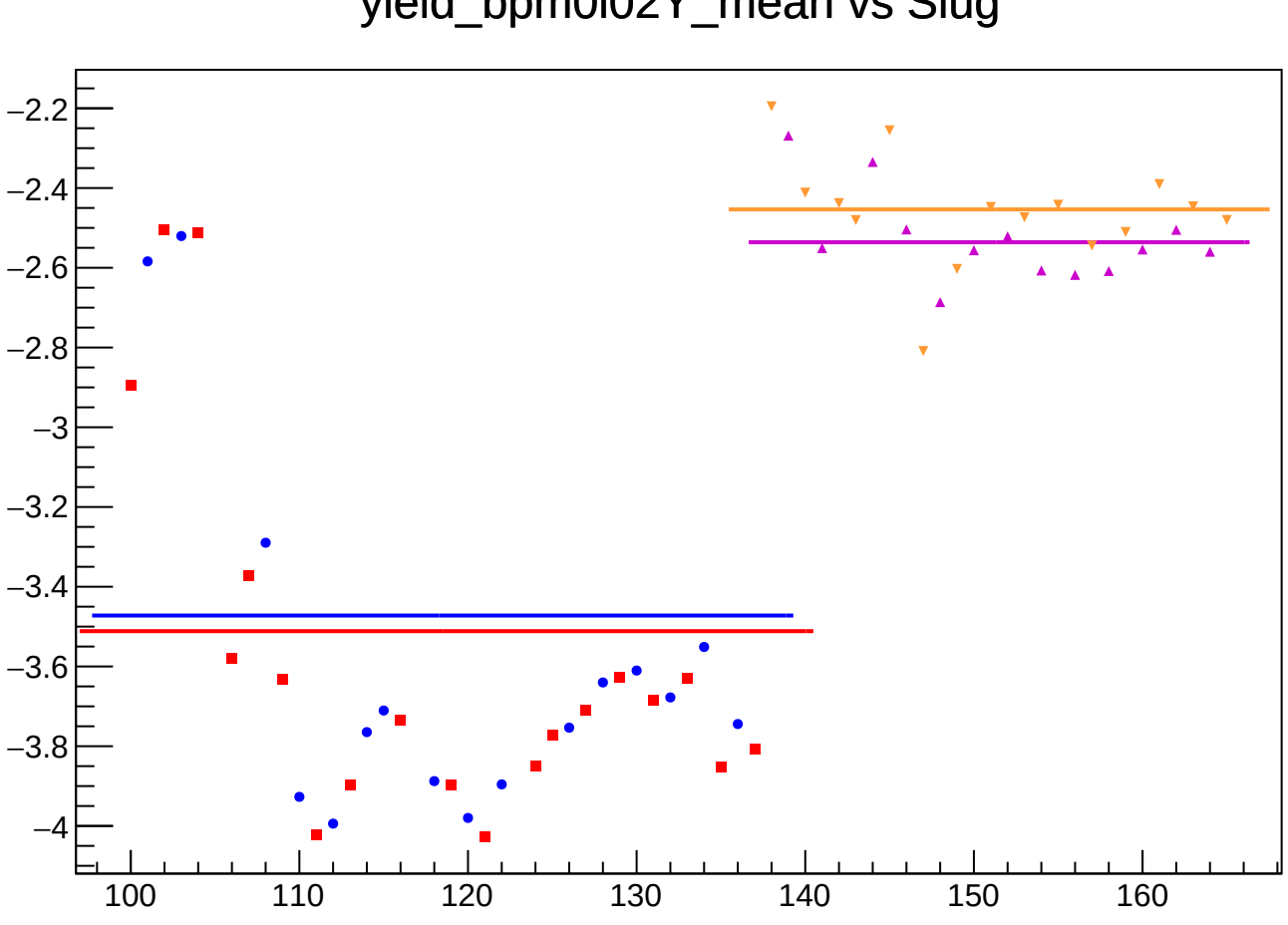
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:183481.8/12

+ sign 0.006+/-0.000 χ^2/NDF: 590761.5/30

All: 0.006+/-0.000 χ^2/NDF: 1170637.8/62

- sign 0.006+/-0.000 χ^2/NDF: 576670.3/31



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.454+/-0.000 χ^2/NDF:1630368101.7/14

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

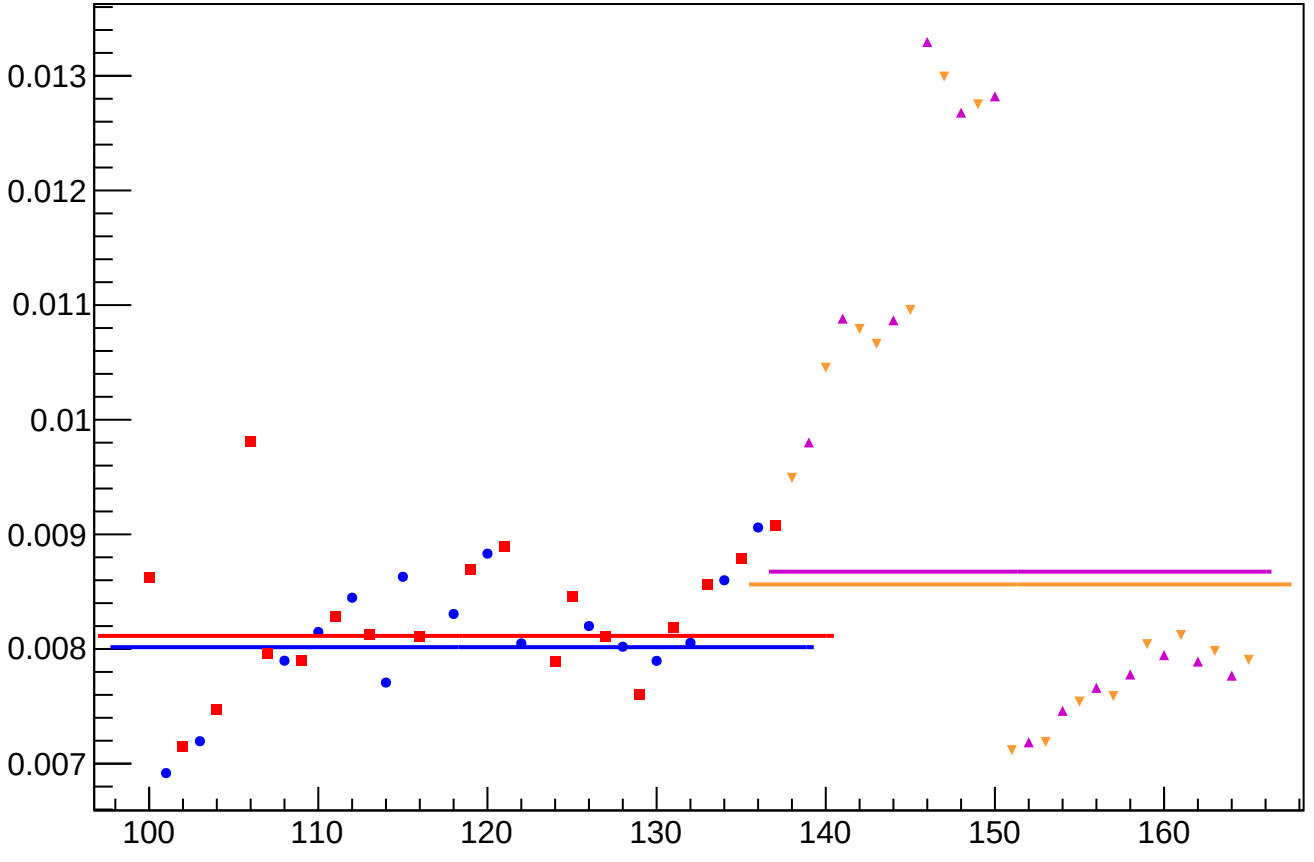
Left In: -2.536+/-0.000 χ^2/NDF:1295219267.0/12

+ sign -2.889+/-0.000 χ^2/NDF: 95852085244.7/30

All: -2.931+/-0.000 χ^2/NDF: 184177021705.6

- sign -2.977+/-0.000 χ^2/NDF: 87372135344.2/31

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:743315.5/14

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

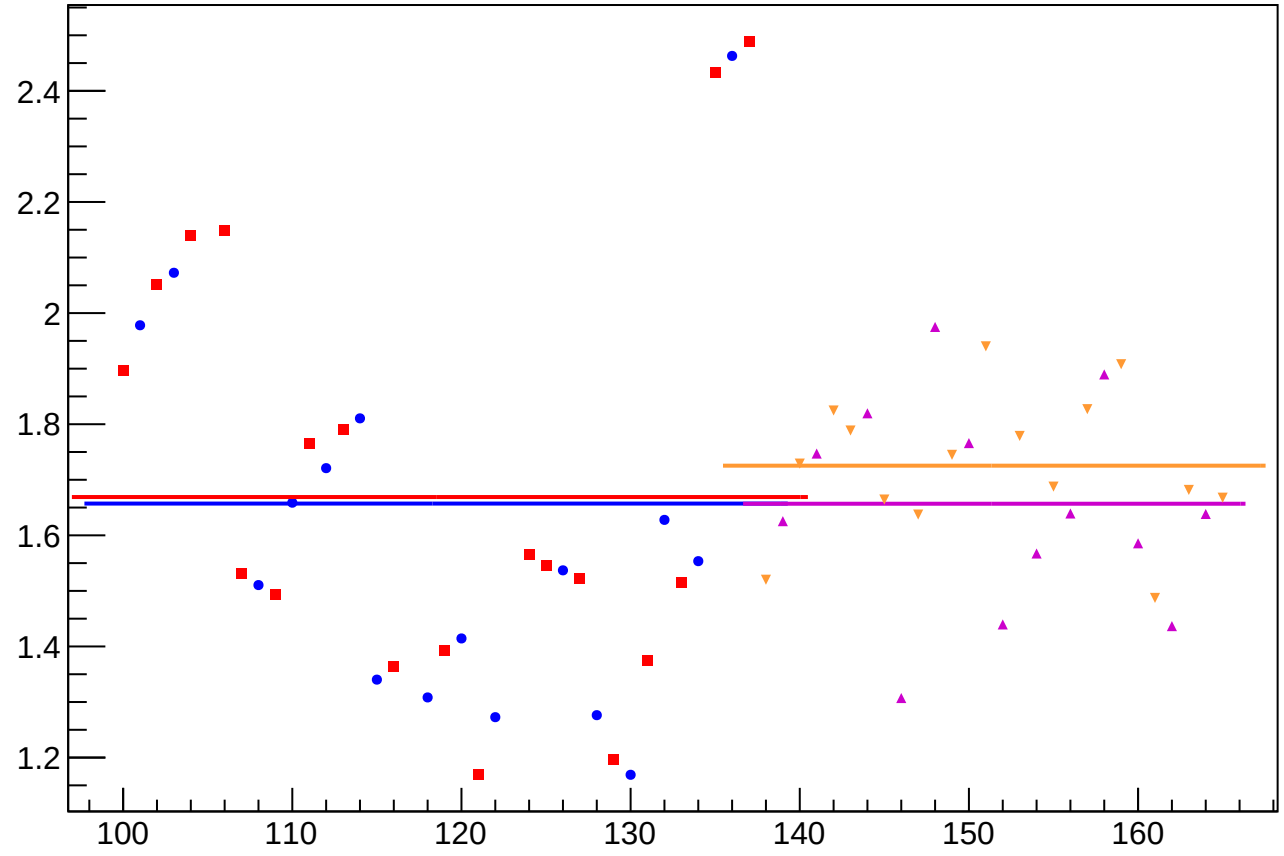
Left In: 0.009+/-0.000 χ^2/NDF:844511.0/12

+ sign 0.008+/-0.000 χ^2/NDF: 866891.7/30

All: 0.008+/-0.000 χ^2/NDF: 1821725.4/62

- sign 0.008+/-0.000 χ^2/NDF: 952745.1/31

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.725+/-0.000 χ^2/NDF:1301511386.1/14

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

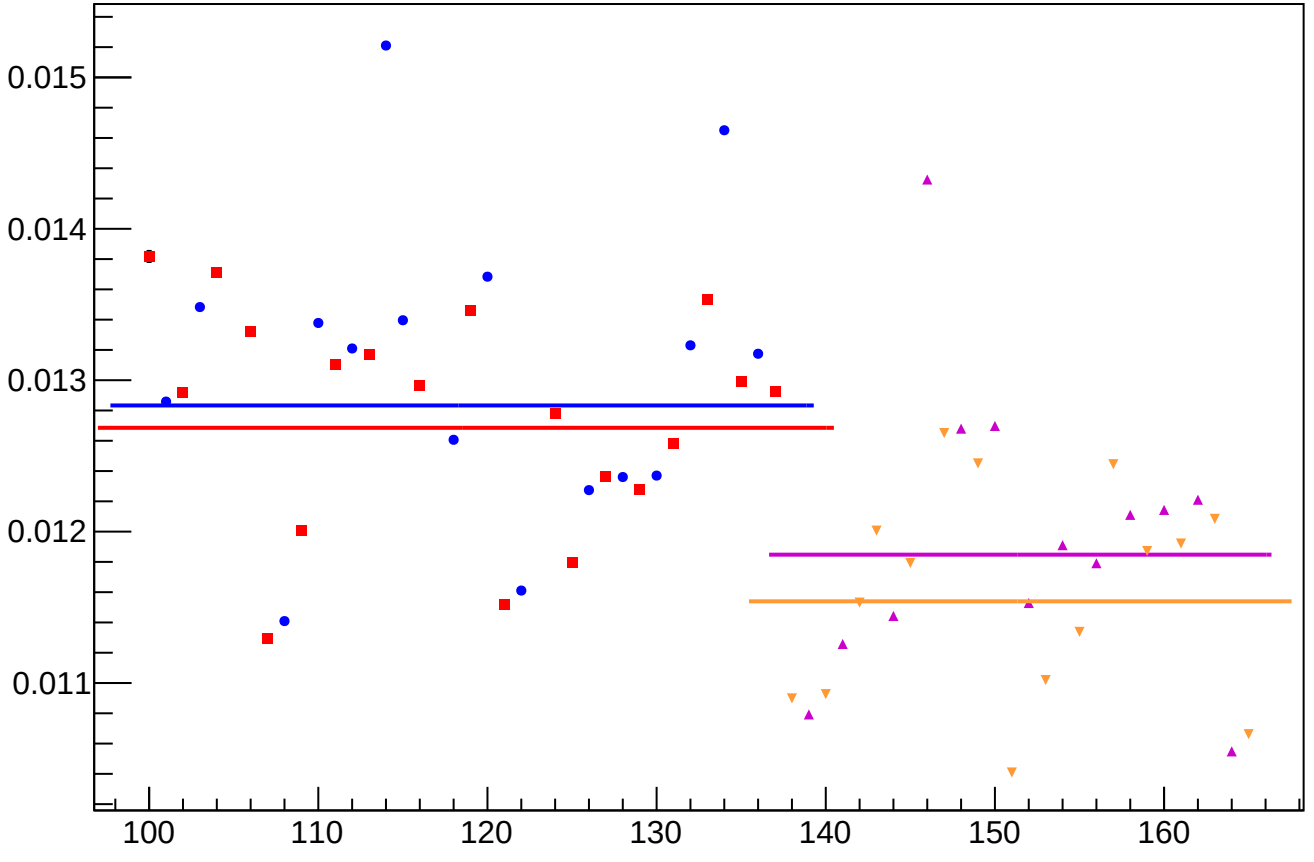
Left In: 1.657+/-0.000 χ^2/NDF:2136284499.6/12

+ sign 1.702+/-0.000 χ^2/NDF: 8098766048.4/30

All: 1.683+/-0.000 χ^2/NDF: 16697604087.3/6

- sign 1.661+/-0.000 χ^2/NDF: 8497895964.2/31

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:76999.8/14

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

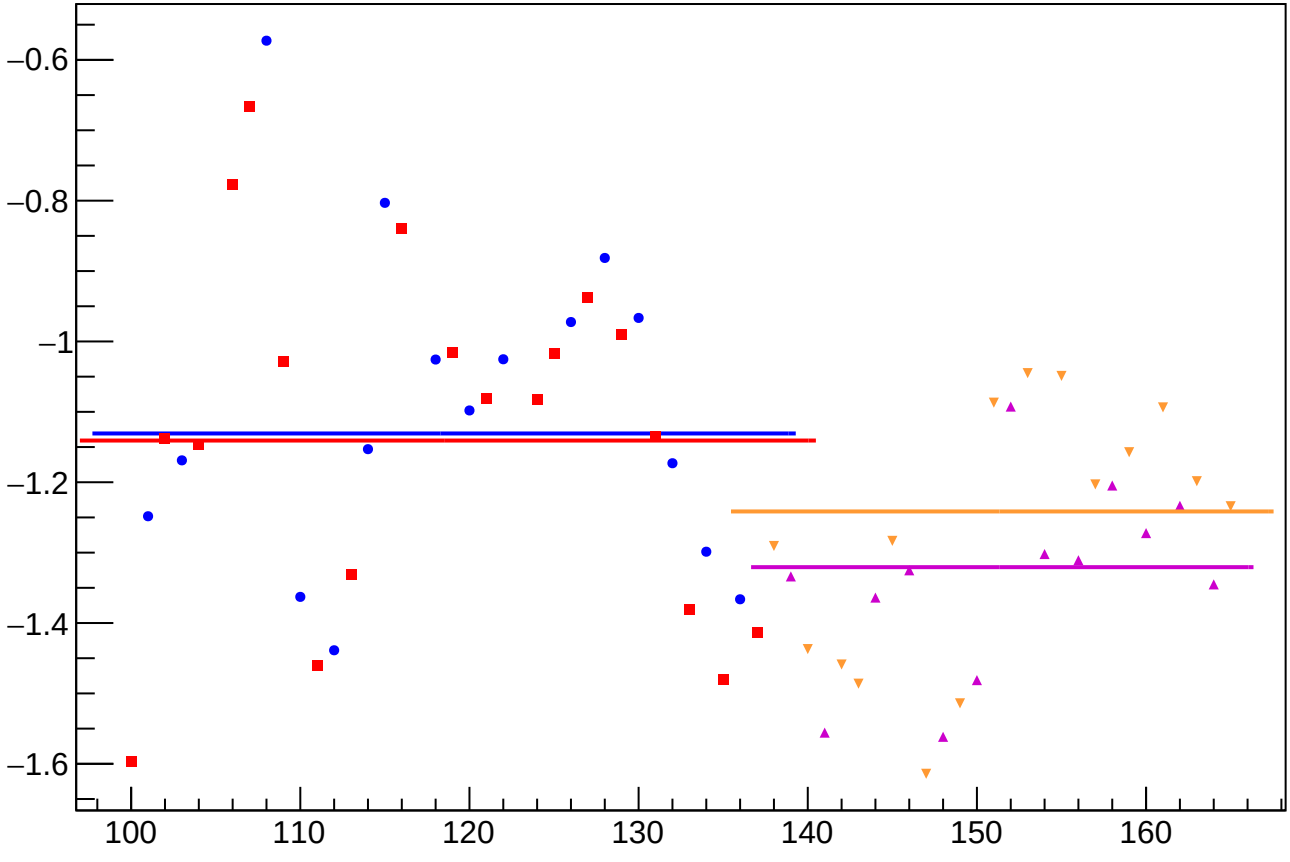
Left In: 0.012+/-0.000 χ^2/NDF:105009.9/12

+ sign 0.012+/-0.000 χ^2/NDF: 223837.6/30

All: 0.012+/-0.000 χ^2/NDF: 415400.1/62

- sign 0.012+/-0.000 χ^2/NDF: 187154.9/31

yield_bpm0i02aY_mean vs Slug



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.242+/-0.000 χ^2/NDF:4374833103.3/14

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

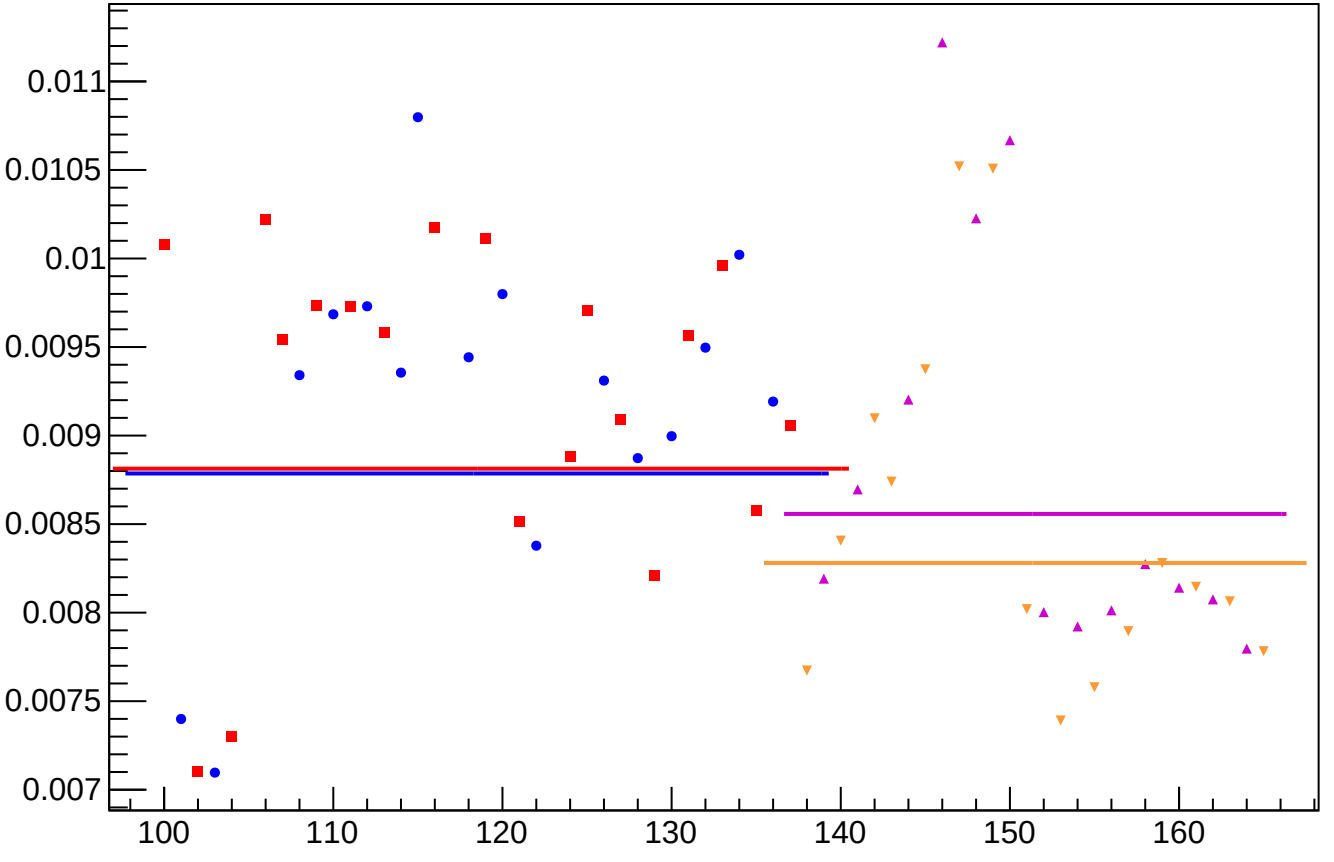
Left In: -1.321+/-0.000 χ^2/NDF:2150386905.5/12

+ sign -1.202+/-0.000 χ^2/NDF: 8861190894.7/30

All: -1.225+/-0.000 χ^2/NDF: 16579760562.8/

- sign -1.250+/-0.000 χ^2/NDF: 7445091438.2/31

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:212499.0/14

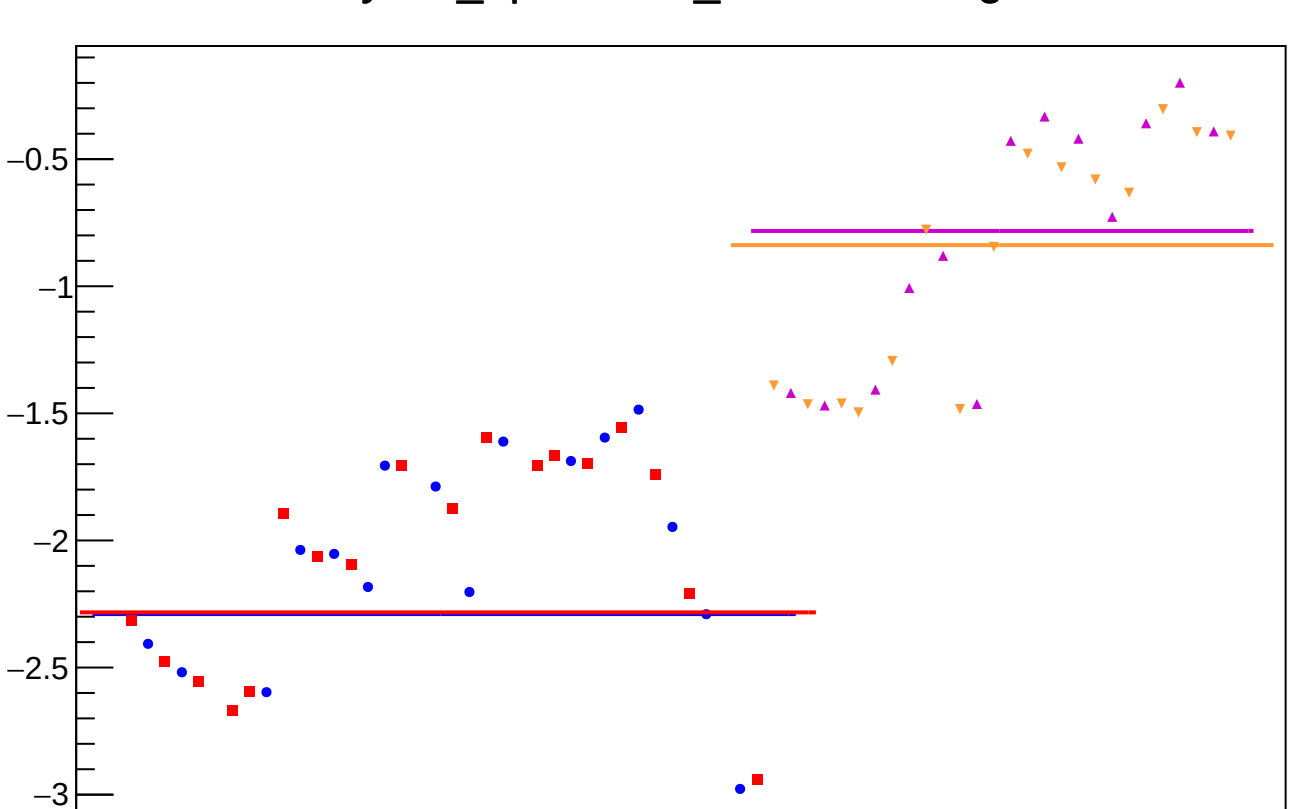
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:237014.3/12

+ sign 0.008+/-0.000 χ^2/NDF: 414945.9/30

All: 0.009+/-0.000 χ^2/NDF: 872494.2/62

- sign 0.009+/-0.000 χ^2/NDF: 448535.3/31



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.838+/-0.000 χ^2/NDF:31130200856.7/14

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

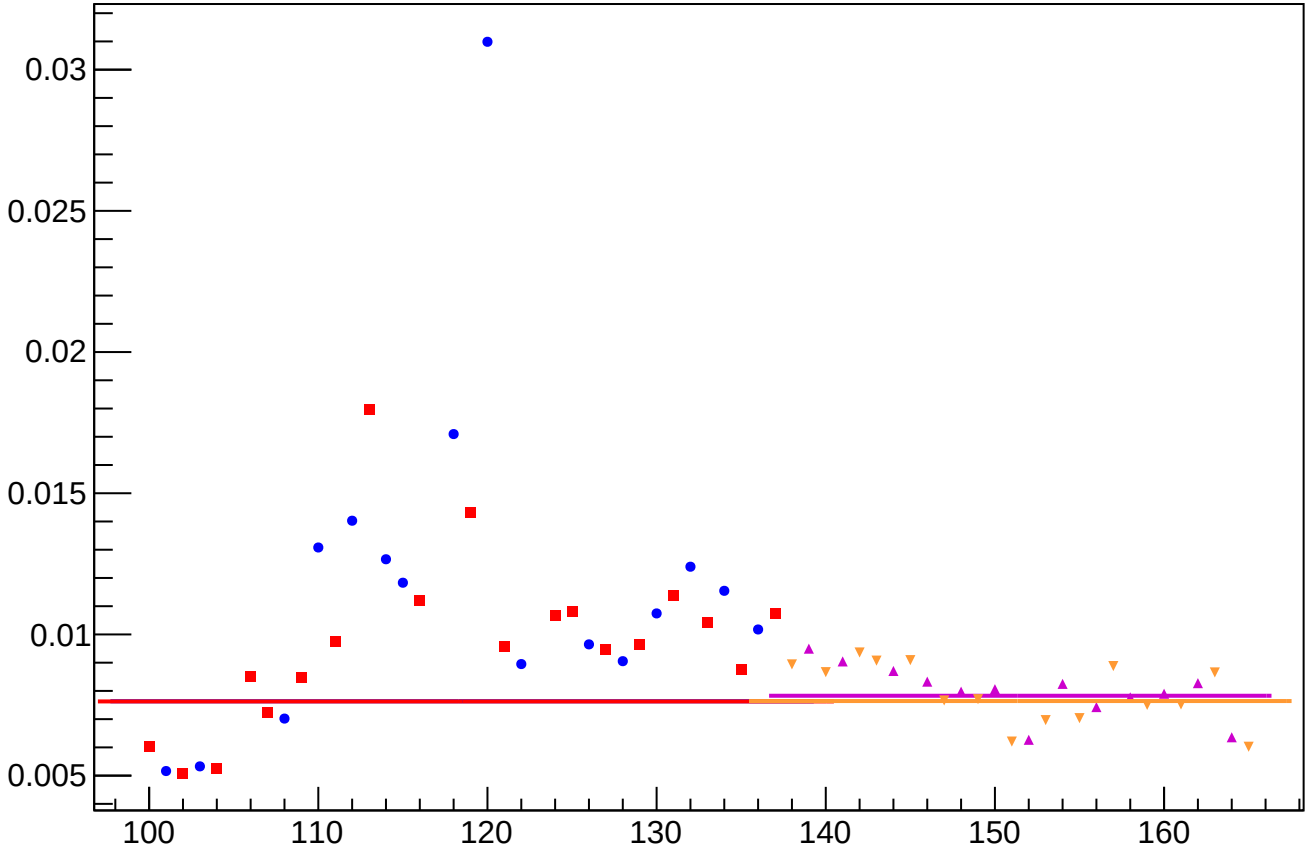
Left In: -0.782+/-0.000 χ^2/NDF:31711390829.8/12

+ sign -1.332+/-0.000 χ^2/NDF: 167613939704.9/30

All: -1.347+/-0.000 χ^2/NDF: 347938192185.2

- sign -1.363+/-0.000 χ^2/NDF: 180201843035.5/31

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:372285.2/14

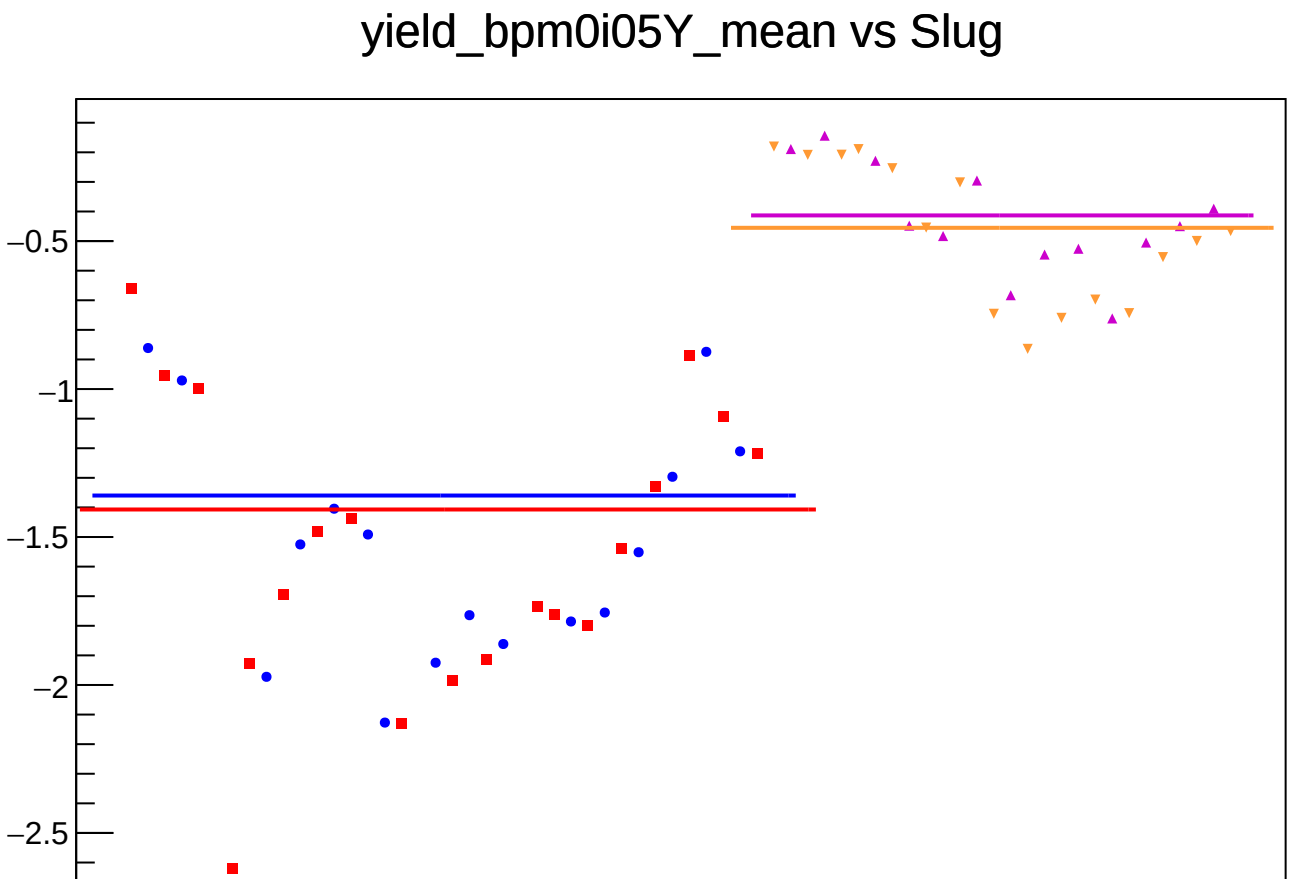
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:261844.5/12

+ sign 0.008+/-0.000 χ^2/NDF: 2083090.3/30

All: 0.008+/-0.000 χ^2/NDF: 3670581.6/62

- sign 0.008+/-0.000 χ^2/NDF: 1584309.6/31



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.455+/-0.000 χ^2/NDF:27893755537.7/14

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

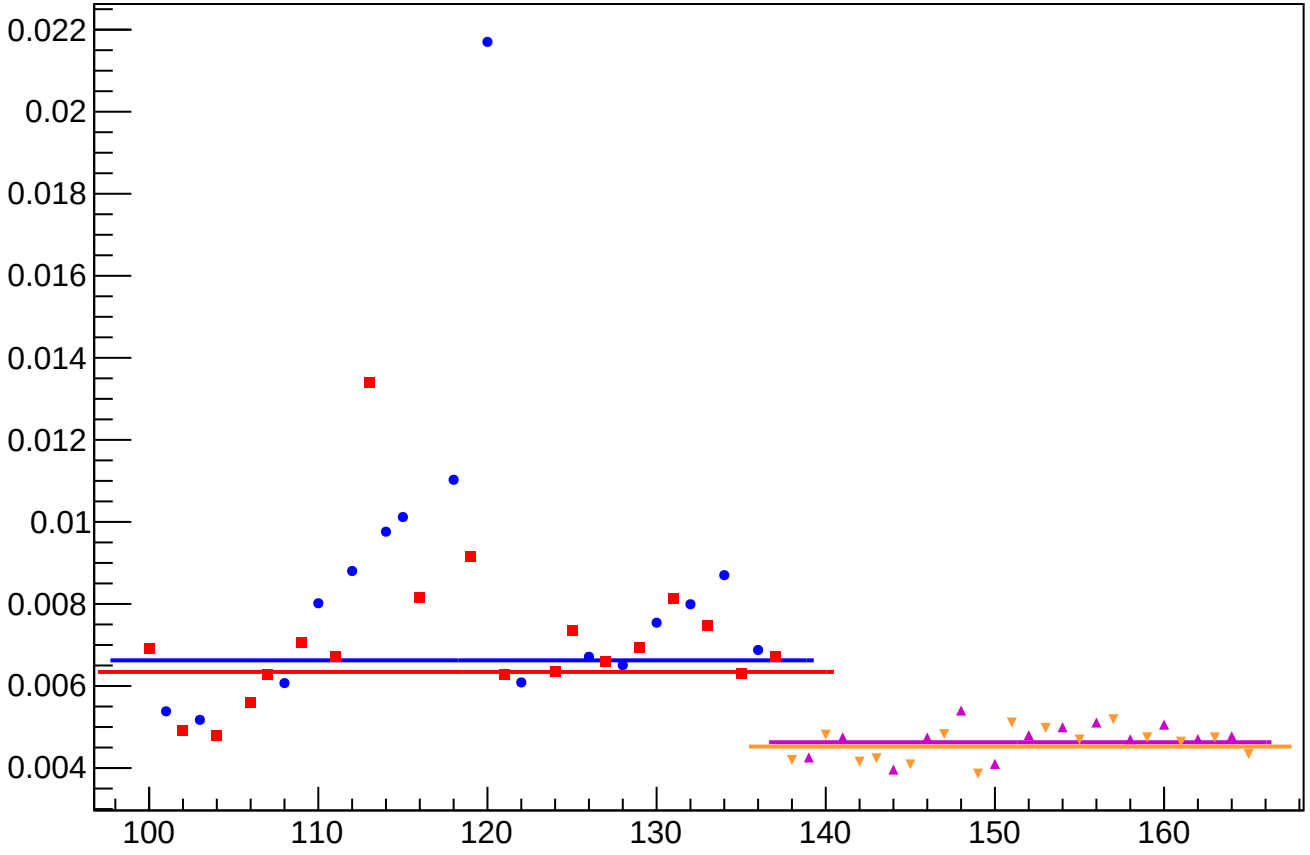
Left In: -0.413+/-0.000 χ^2/NDF:15498387499.0/12

+ sign -0.640+/-0.000 χ^2/NDF: 135246760826.9/30

All: -0.651+/-0.000 χ^2/NDF: 293141651508.7

- sign -0.663+/-0.000 χ^2/NDF: 157730770848.7/31

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:157030.1/14

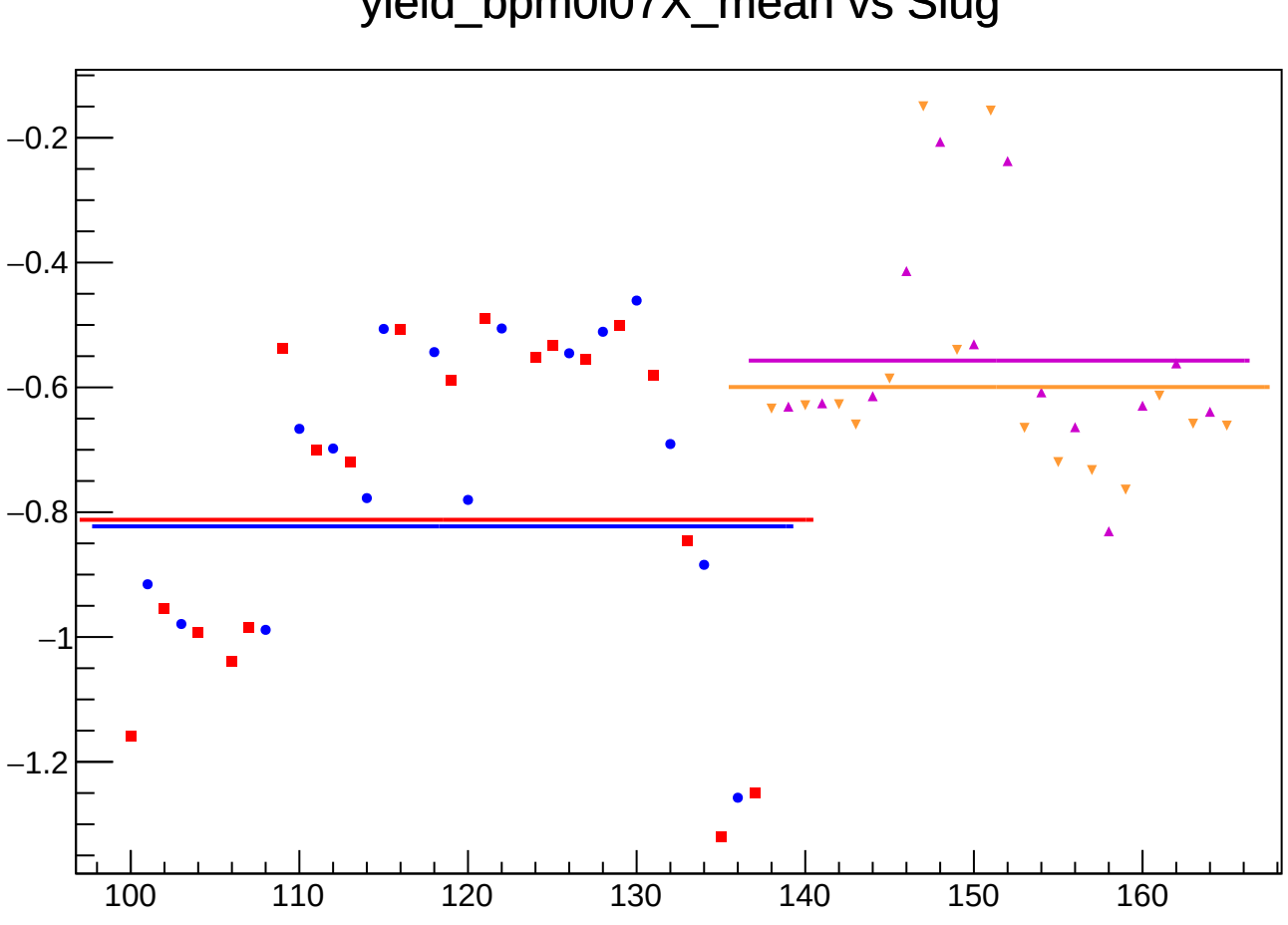
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:148942.8/12

+ sign 0.005+/-0.000 χ^2/NDF: 1777626.0/30

All: 0.005+/-0.000 χ^2/NDF: 3132272.9/62

- sign 0.005+/-0.000 χ^2/NDF: 1347548.8/31



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.599+/-0.000 χ^2/NDF:14421044265.7/14

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

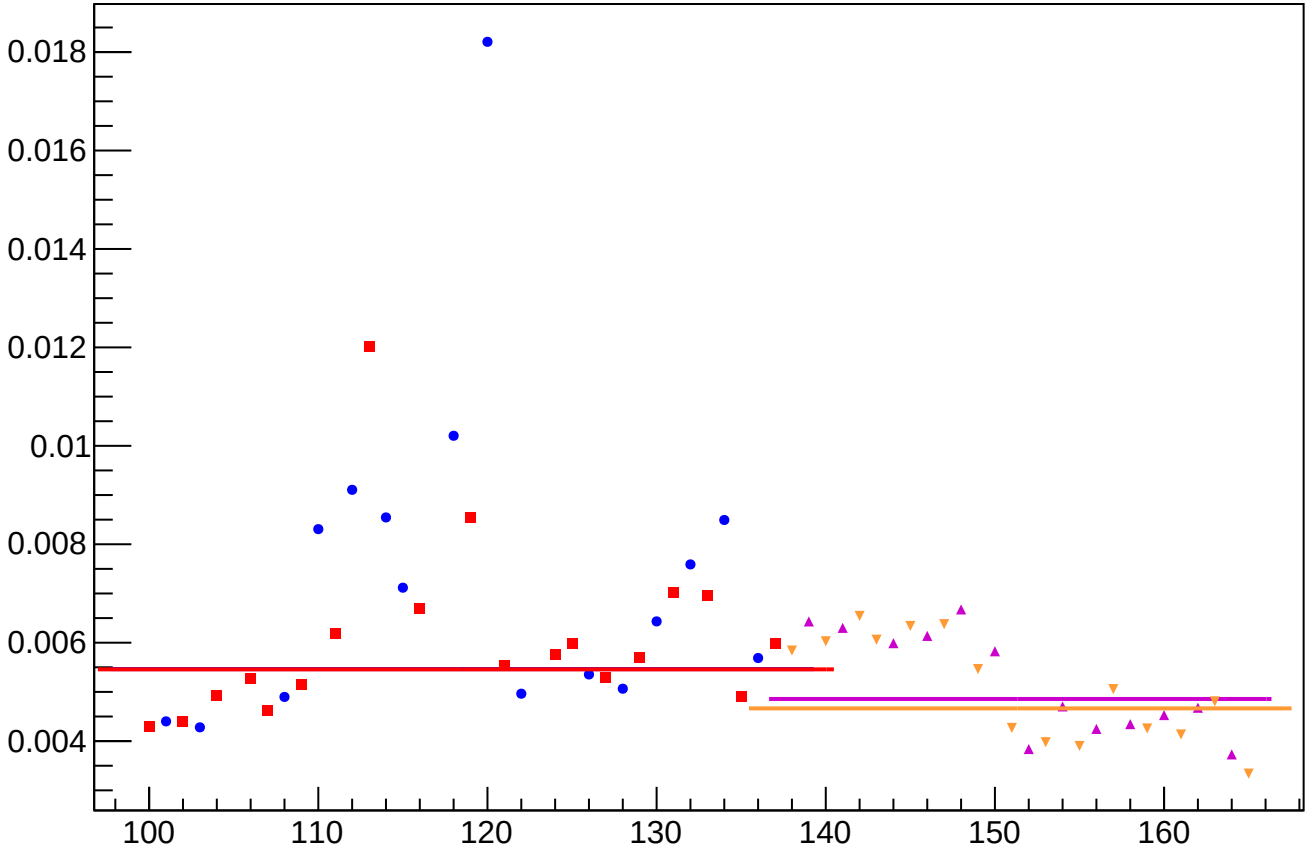
Left In: -0.557+/-0.000 χ^2/NDF:12332122844.6/12

+ sign -0.664+/-0.000 χ^2/NDF: 33177478437.5/30

All: -0.654+/-0.000 χ^2/NDF: 69119997141.4/

- sign -0.644+/-0.000 χ^2/NDF: 35814209154.2/31

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:840067.0/14

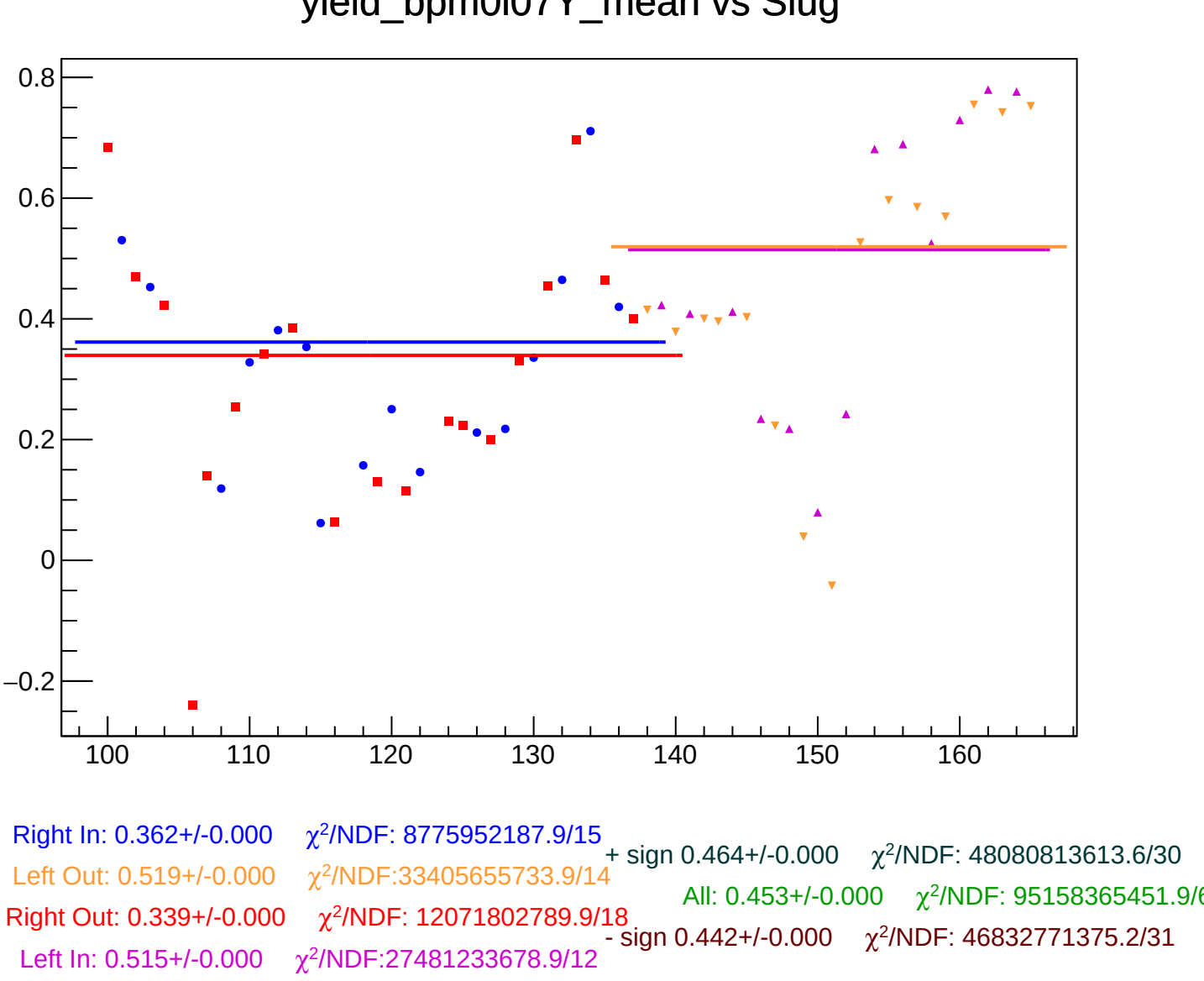
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:724107.8/12

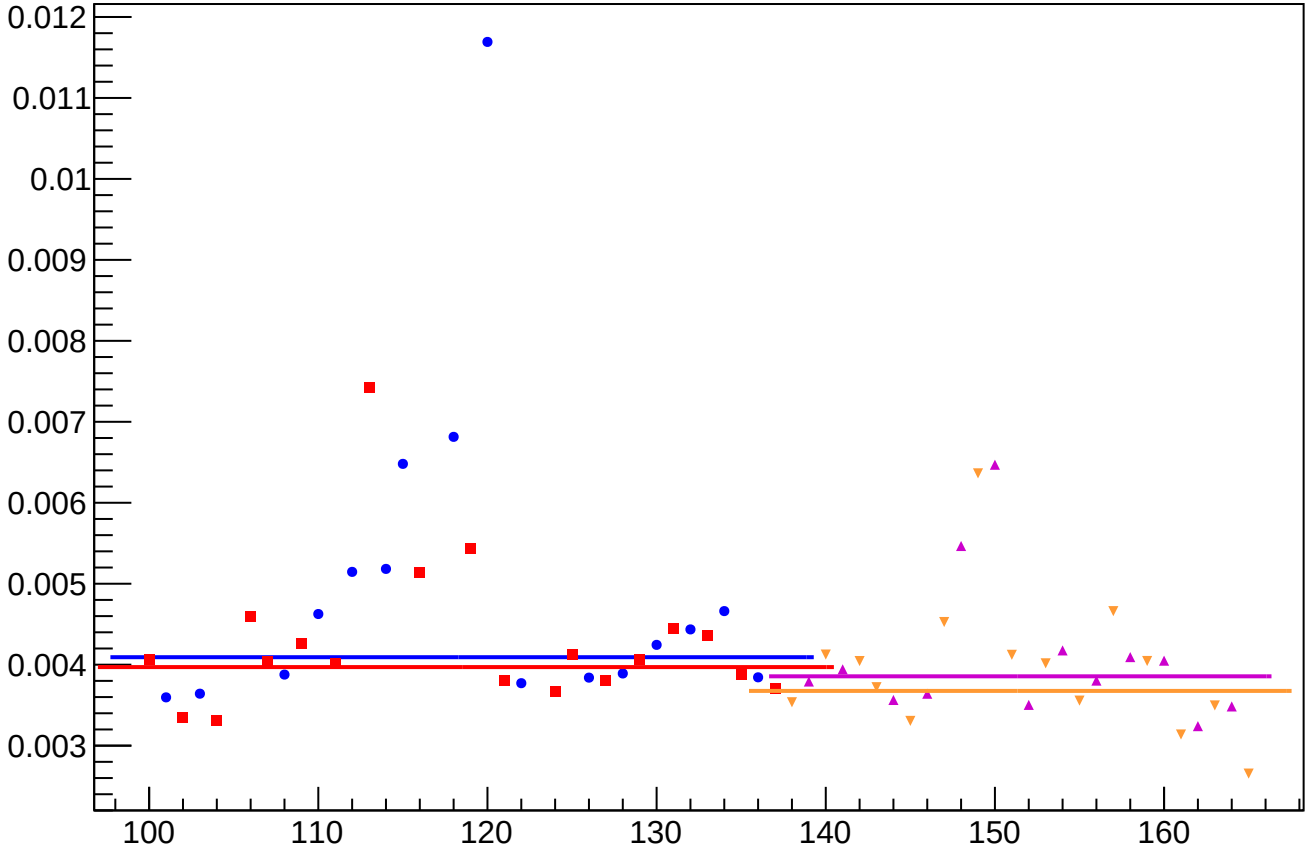
+ sign 0.005+/-0.000 χ^2/NDF: 1968502.0/30

All: 0.005+/-0.000 χ^2/NDF: 3313319.9/62

- sign 0.005+/-0.000 χ^2/NDF: 1328244.8/31


yield_bpm0i07Y_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
Right In: 0.362+/-0.000 χ²/NDF: 8775952187.9/15
Left Out: 0.519+/-0.000 χ²/NDF:33405655733.9/14
Right Out: 0.339+/-0.000 χ²/NDF: 12071802789.9/18
Left In: 0.515+/-0.000 χ²/NDF:27481233678.9/12
+ sign 0.464+/-0.000 χ²/NDF: 48080813613.6/30
All: 0.453+/-0.000 χ²/NDF: 95158365451.9/6
- sign 0.442+/-0.000 χ²/NDF: 46832771375.2/31

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:623697.9/14

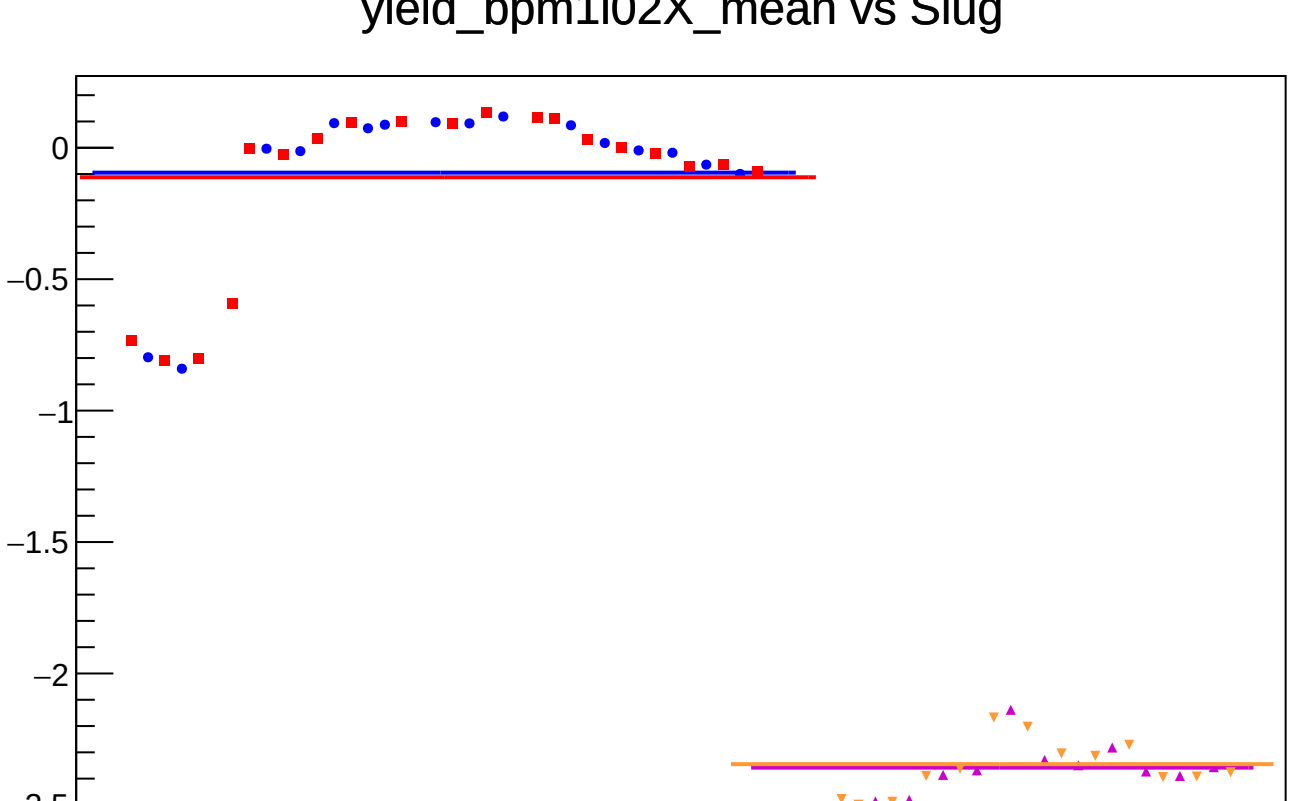
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:447519.9/12

+ sign 0.004+/-0.000 χ^2/NDF: 1197514.3/30

All: 0.004+/-0.000 χ^2/NDF: 1971469.3/62

- sign 0.004+/-0.000 χ^2/NDF: 767384.2/31



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.345+/-0.000 χ^2/NDF:1652204980.5/14

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

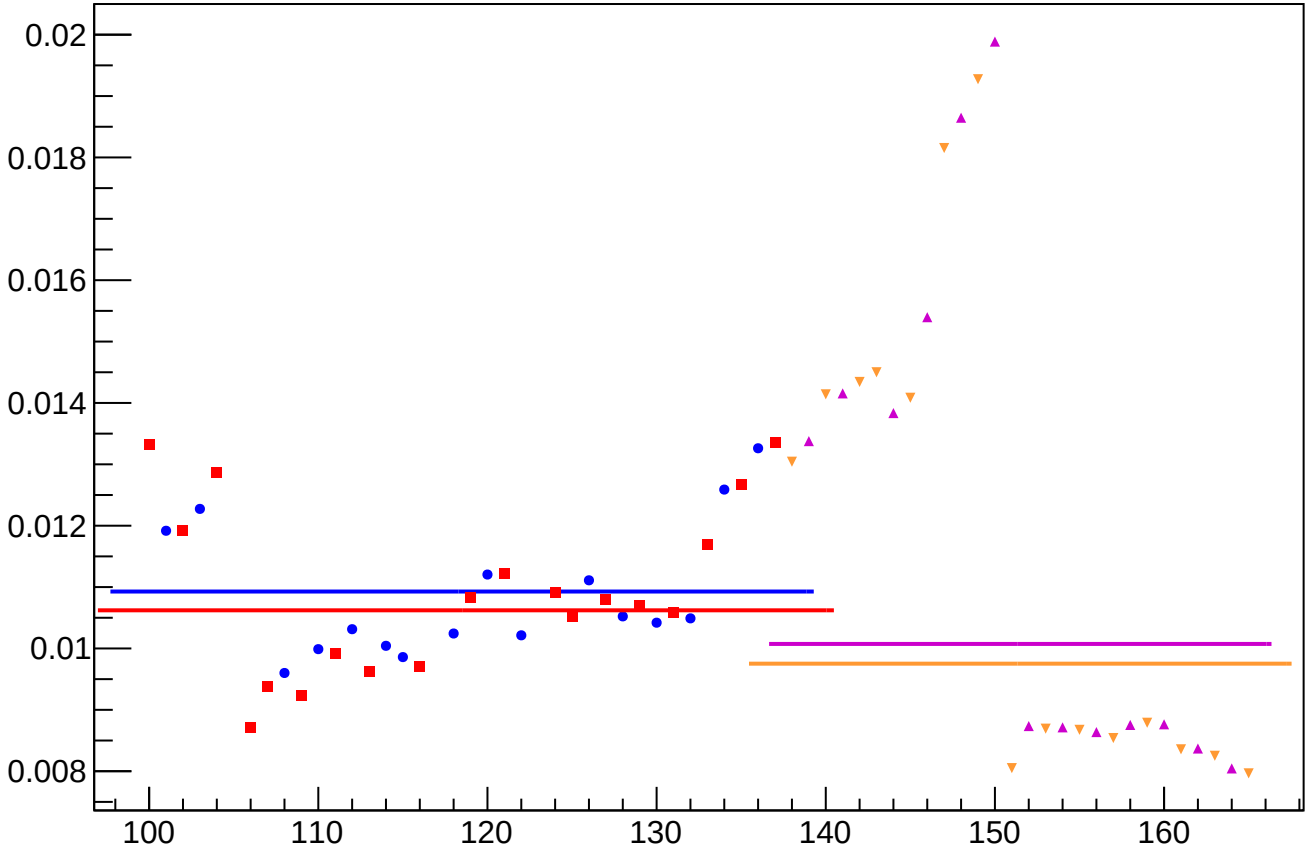
Left In: -2.358+/-0.000 χ^2/NDF:1281876717.9/12

+ sign -1.571+/-0.000 χ^2/NDF: 205246444667.6/30

All: -1.519+/-0.000 χ^2/NDF: 412025479098.3

- sign -1.464+/-0.000 χ^2/NDF: 205818068927.0/31

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1769905.4/14

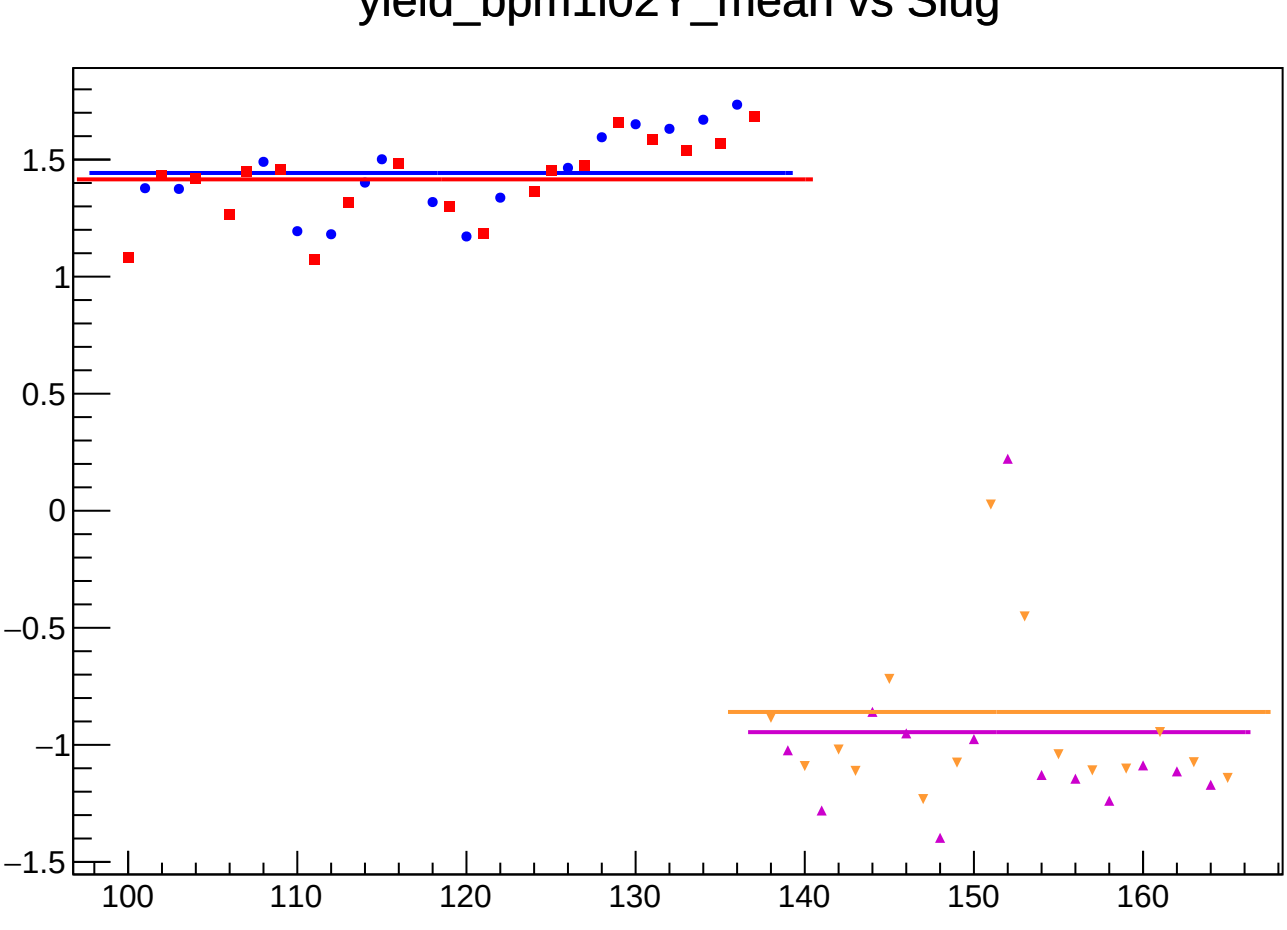
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1729458.3/12

+ sign 0.010+/-0.000 χ^2/NDF: 2014466.9/30

All: 0.010+/-0.000 χ^2/NDF: 3961127.9/62

- sign 0.010+/-0.000 χ^2/NDF: 1943582.1/31



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.859+/-0.000 χ^2/NDF:29072645115.5/14

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

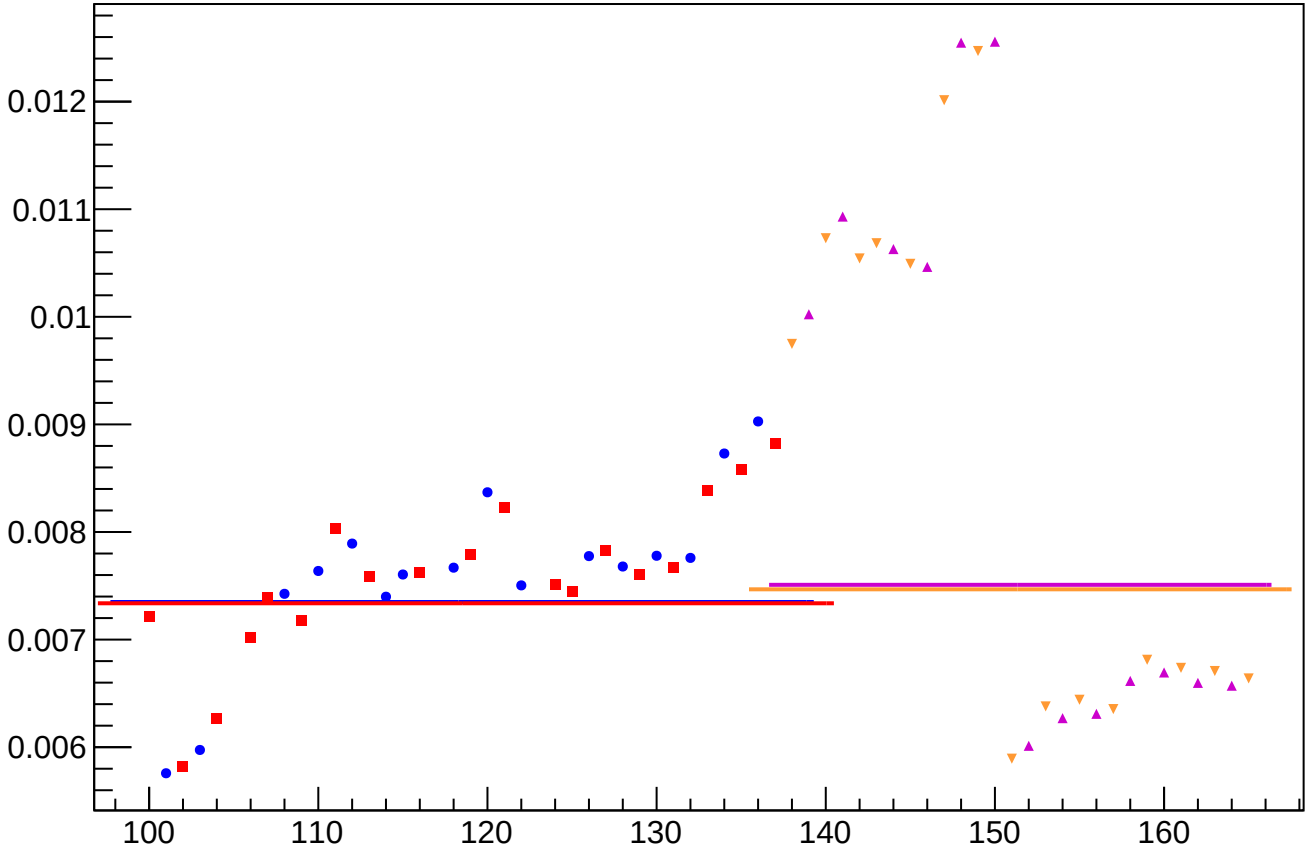
Left In: -0.946+/-0.000 χ^2/NDF:39437336831.6/12

+ sign 0.059+/-0.000 χ^2/NDF: 449653640754.0/30

All: 0.066+/-0.000 χ^2/NDF: 925809148499.6

- sign 0.073+/-0.000 χ^2/NDF: 476120607831.5/31

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1433189.4/14

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

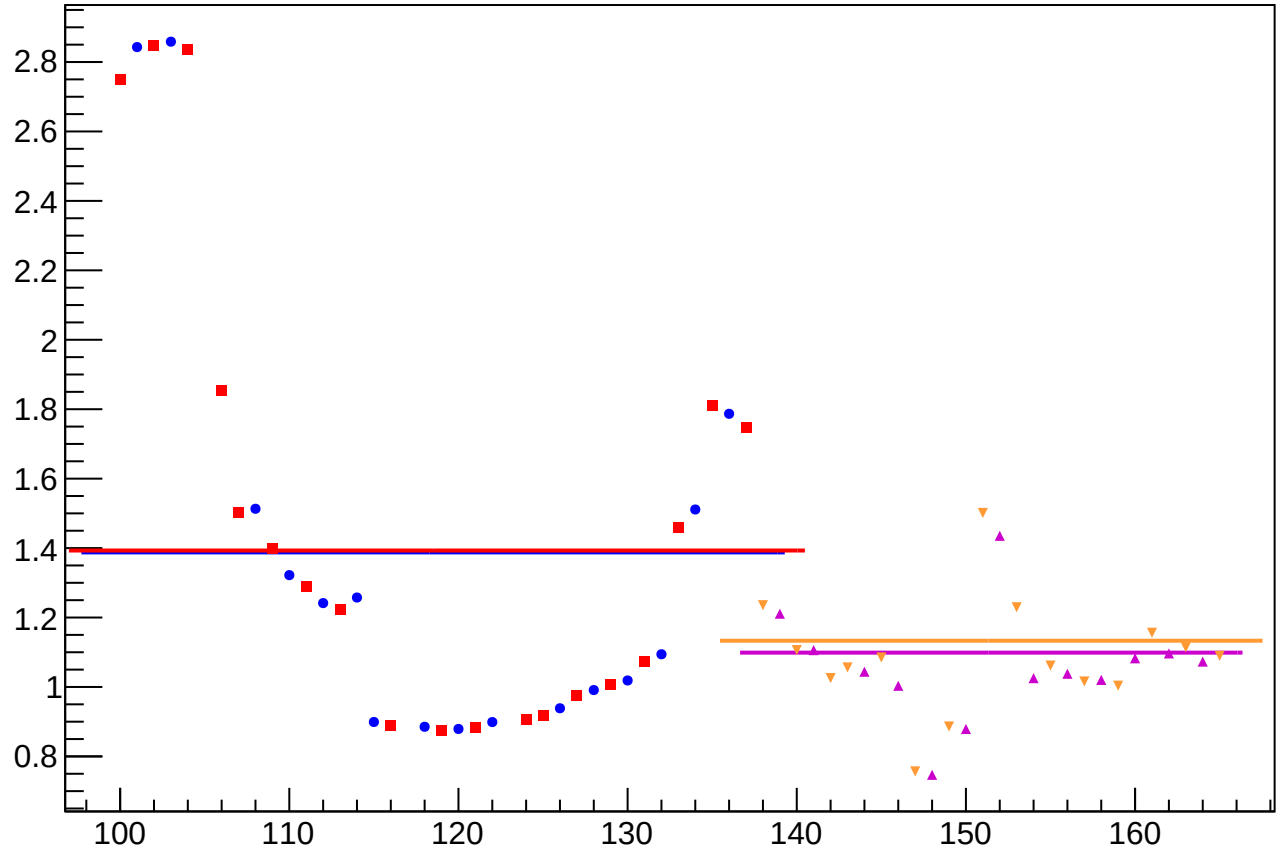
Left In: 0.008+/-0.000 χ^2/NDF:1479554.4/12

+ sign 0.007+/-0.000 χ^2/NDF: 1706241.0/30

All: 0.007+/-0.000 χ^2/NDF: 3385819.1/62

- sign 0.007+/-0.000 χ^2/NDF: 1679507.8/31

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.133+/-0.000 χ^2/NDF:5346437017.4/14

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

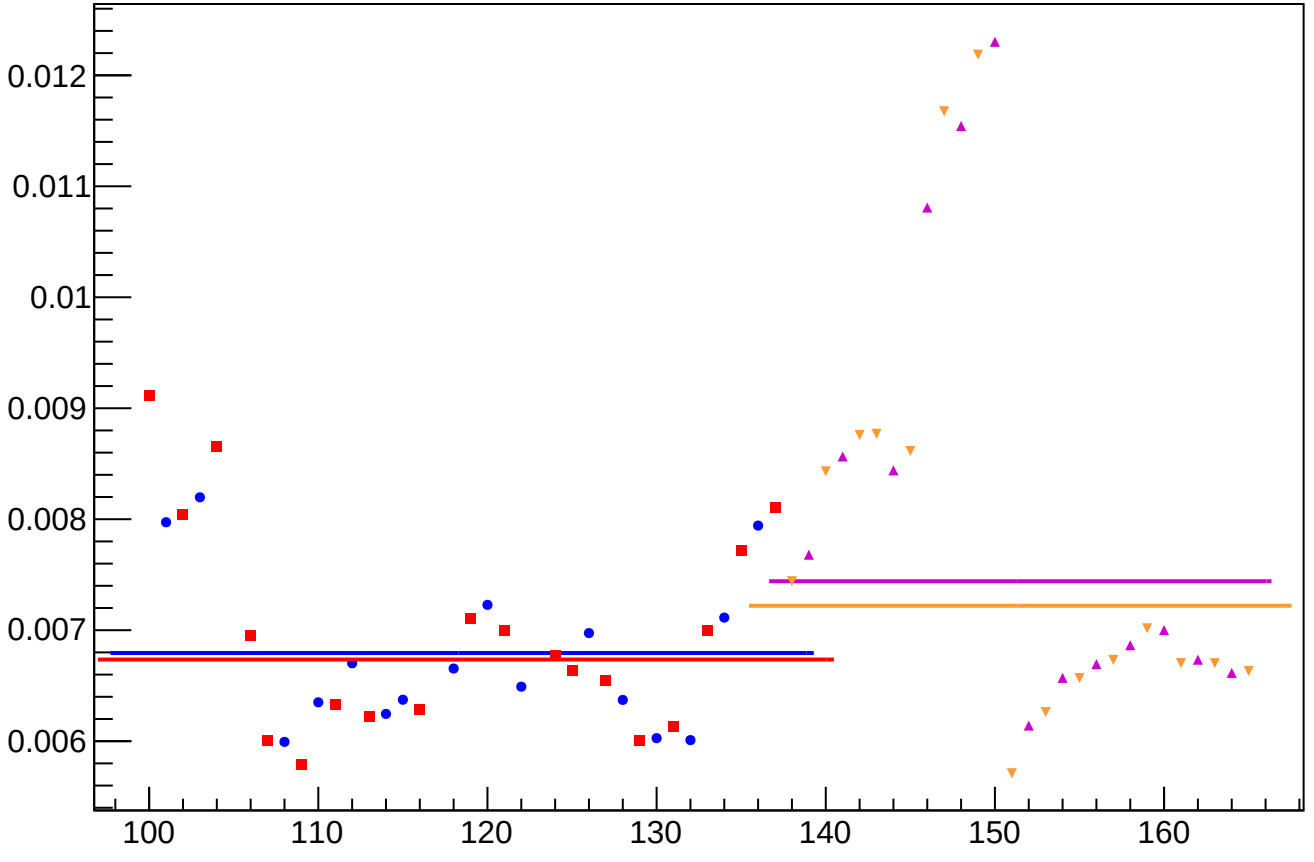
Left In: 1.099+/-0.000 χ^2/NDF:4154223198.6/12

+ sign 1.241+/-0.000 χ^2/NDF: 69711544704.0/30

All: 1.239+/-0.000 χ^2/NDF: 136701311128.0

- sign 1.236+/-0.000 χ^2/NDF: 66986724427.5/31

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:820782.3/14

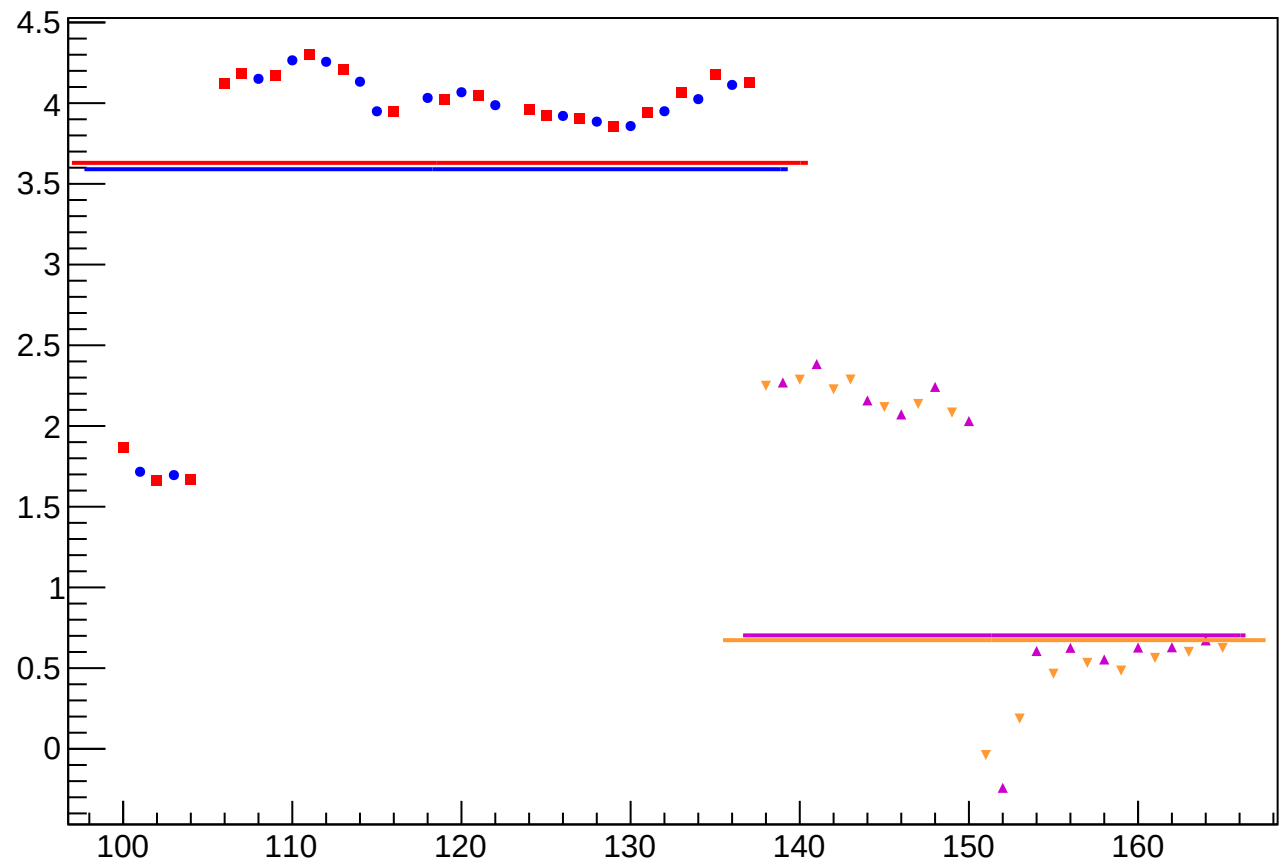
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:850646.8/12

+ sign 0.007+/-0.000 χ^2/NDF: 1017501.6/30

All: 0.007+/-0.000 χ^2/NDF: 2154321.0/62

- sign 0.007+/-0.000 χ^2/NDF: 1135045.9/31



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.673+/-0.000 χ^2/NDF:244052259408.7/14

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

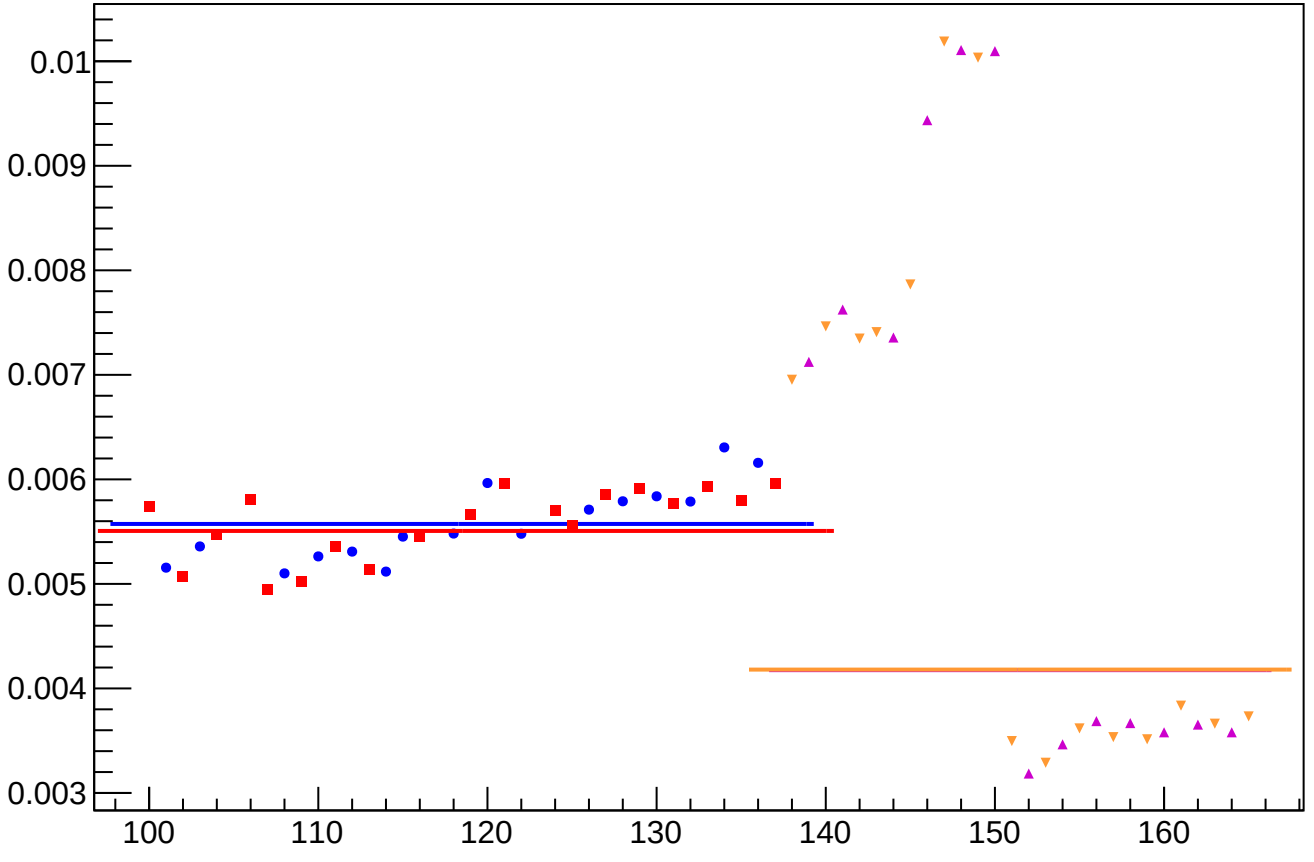
Left In: 0.703+/-0.000 χ^2/NDF:241830909833.7/12

+ sign 1.523+/-0.000 χ^2/NDF: 1838319253808.1/30

All: 1.576+/-0.000 χ^2/NDF: 3706475110442.

- sign 1.631+/-0.000 χ^2/NDF: 1863592972385.6/31

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2761399.8/14

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

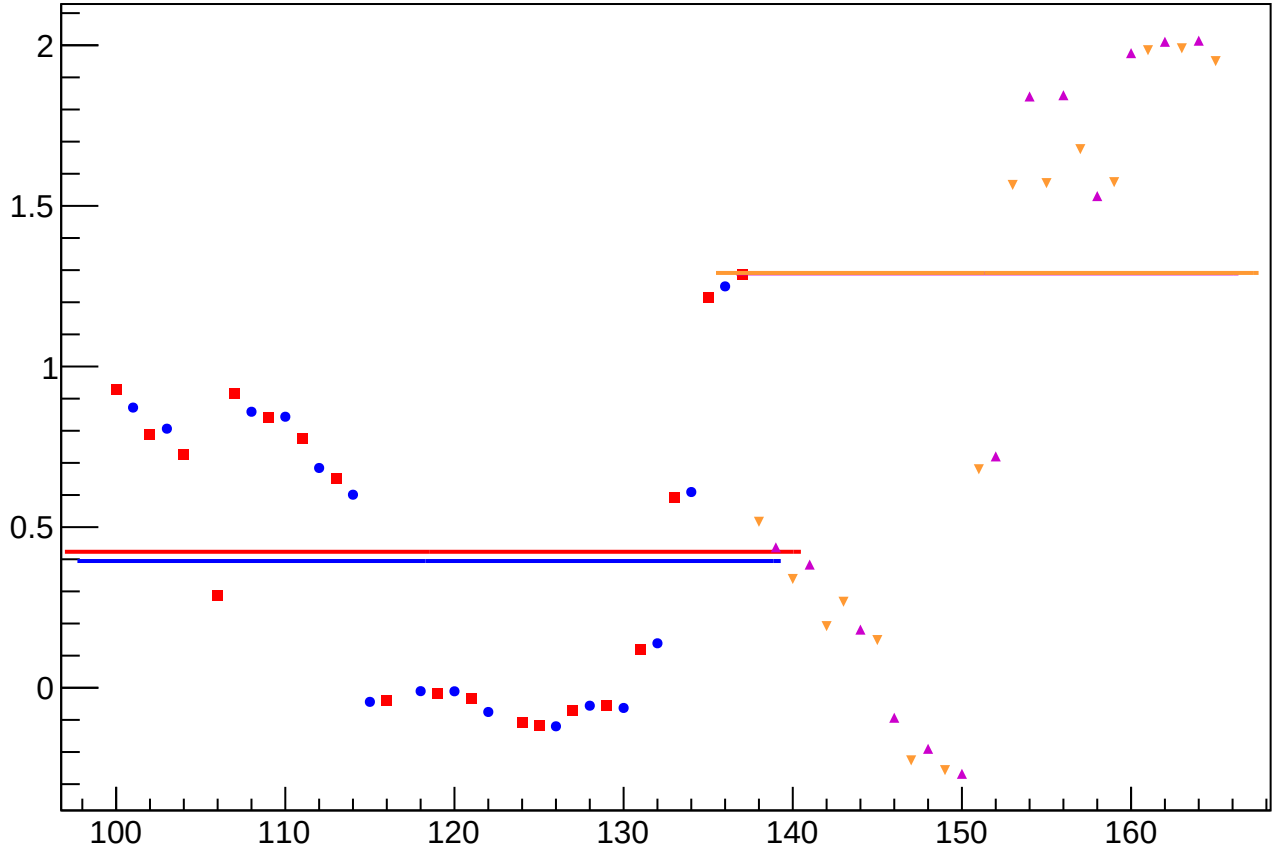
Left In: 0.004+/-0.000 χ^2/NDF:2946113.7/12

+ sign 0.005+/-0.000 χ^2/NDF: 3455634.0/30

All: 0.005+/-0.000 χ^2/NDF: 7042632.5/62

- sign 0.005+/-0.000 χ^2/NDF: 3586898.2/31

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.291+/-0.000 χ^2/NDF:45311317642.0/14

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

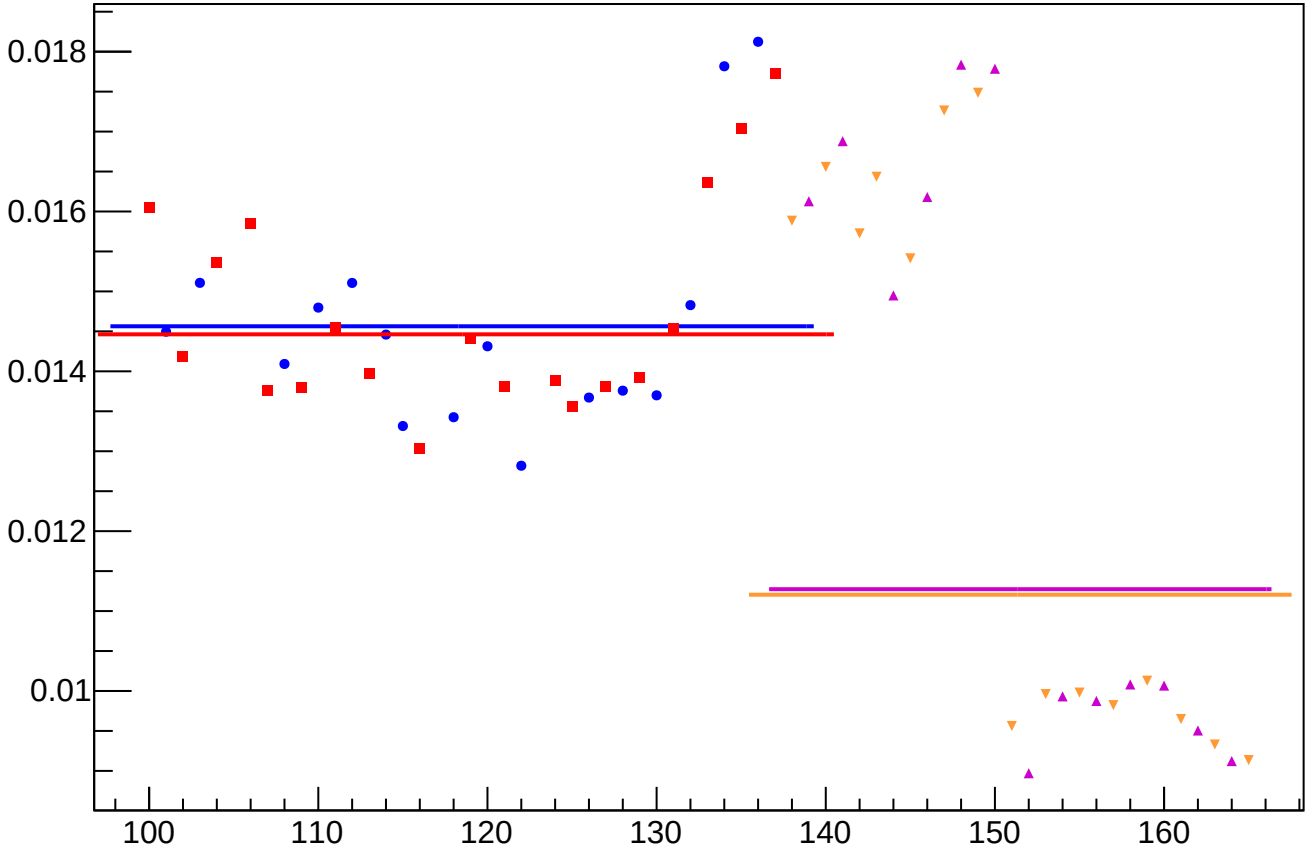
Left In: 1.290+/-0.000 χ^2/NDF:49972445397.2/12

+ sign 1.042+/-0.000 χ^2/NDF: 72147508293.5/30

All: 1.034+/-0.000 χ^2/NDF: 147226699440.3

- sign 1.026+/-0.000 χ^2/NDF: 75064262454.7/31

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1392135.0/14

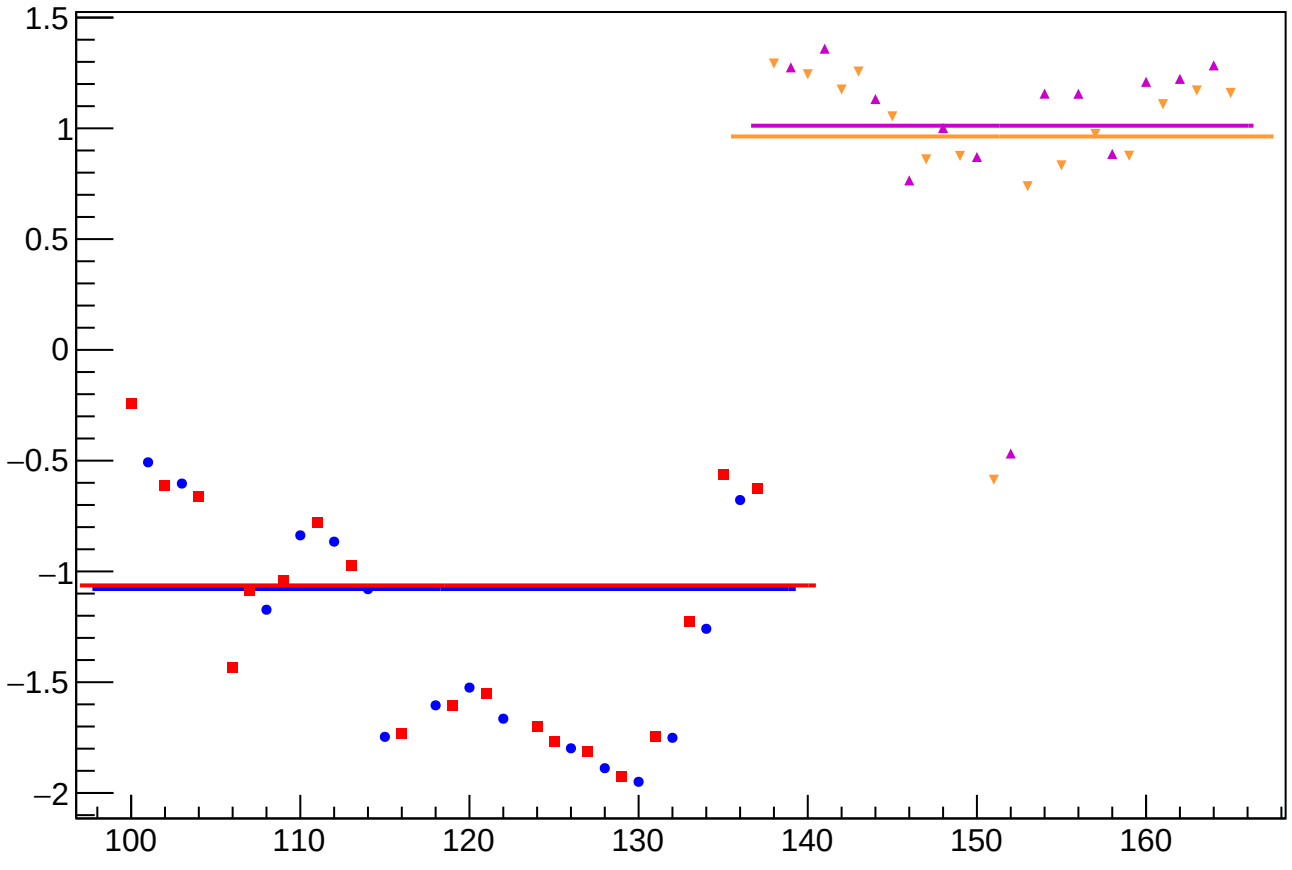
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1421072.6/12

+ sign 0.012+/-0.000 χ^2/NDF: 2070377.1/30

All: 0.012+/-0.000 χ^2/NDF: 4062918.3/62

- sign 0.012+/-0.000 χ^2/NDF: 1991217.8/31



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.963+/-0.000 χ^2/NDF:106239038076.2/14

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

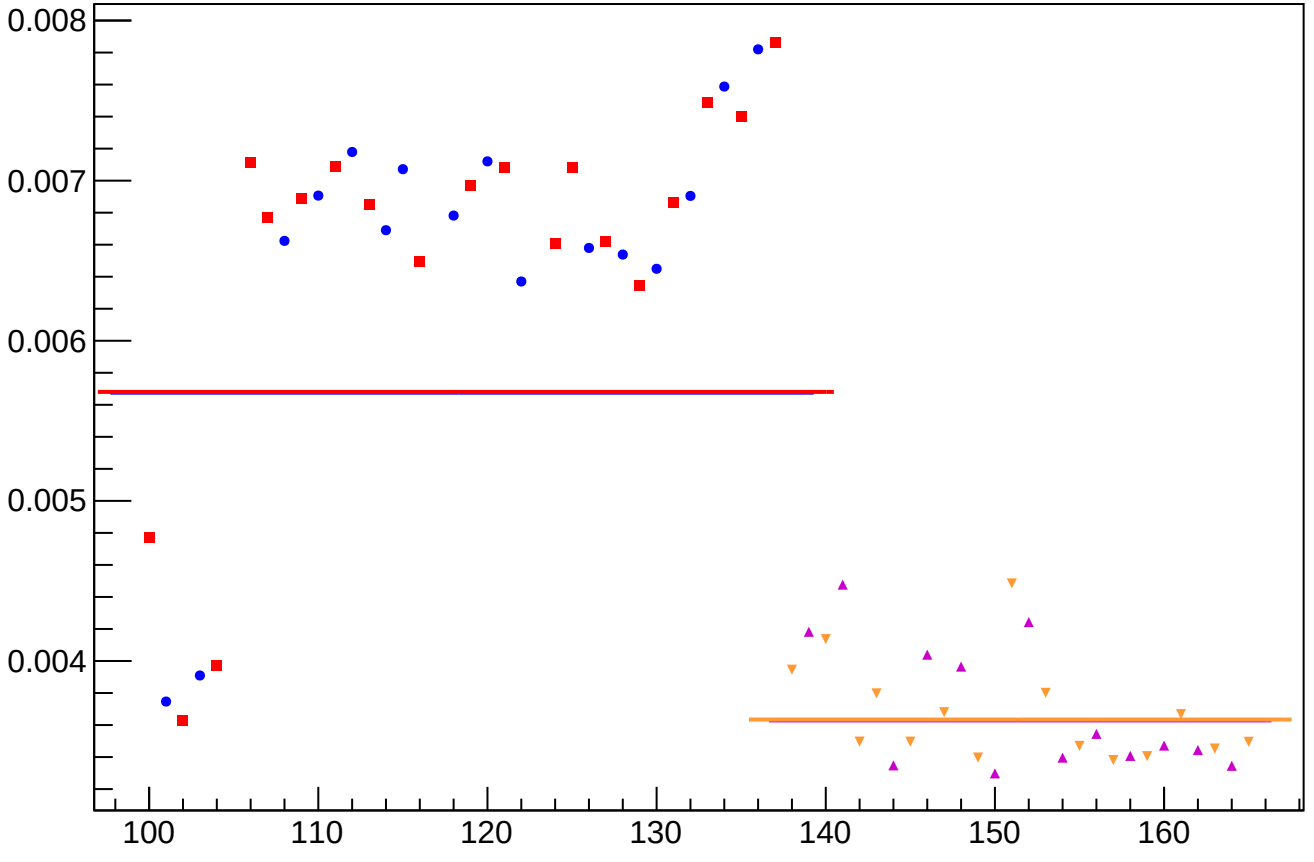
Left In: 1.012+/-0.000 χ^2/NDF:123553112555.8/12

+ sign 0.559+/-0.000 χ^2/NDF: 827551971864.9/30

All: 0.565+/-0.000 χ^2/NDF: 1678716918121.

- sign 0.571+/-0.000 χ^2/NDF: 851097207128.4/31

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:122640.1/14

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

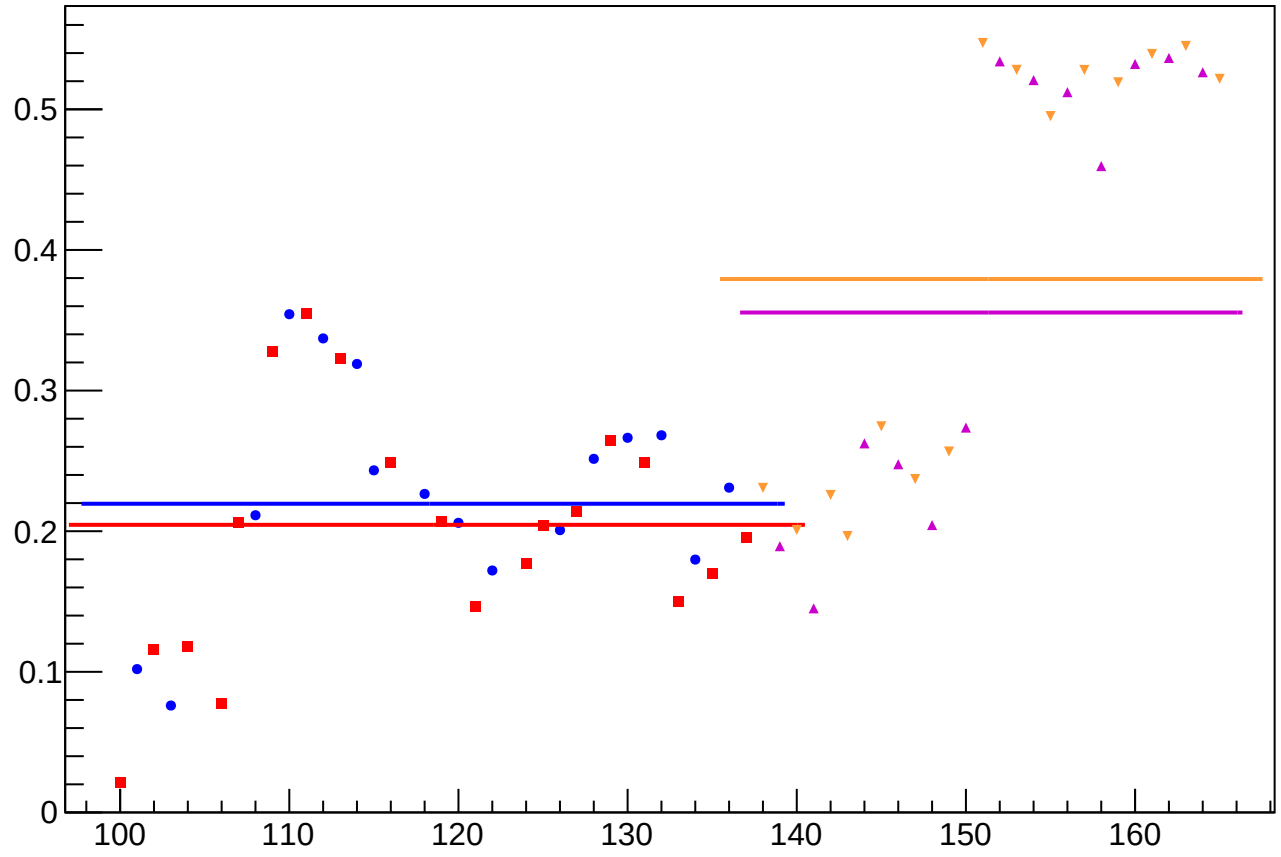
Left In: 0.004+/-0.000 χ^2/NDF:202917.5/12

+ sign 0.004+/-0.000 χ^2/NDF: 2389269.6/30

All: 0.004+/-0.000 χ^2/NDF: 4898499.8/62

- sign 0.004+/-0.000 χ^2/NDF: 2508546.5/31

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.379+/-0.000 χ^2/NDF:119774193095.7/14

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

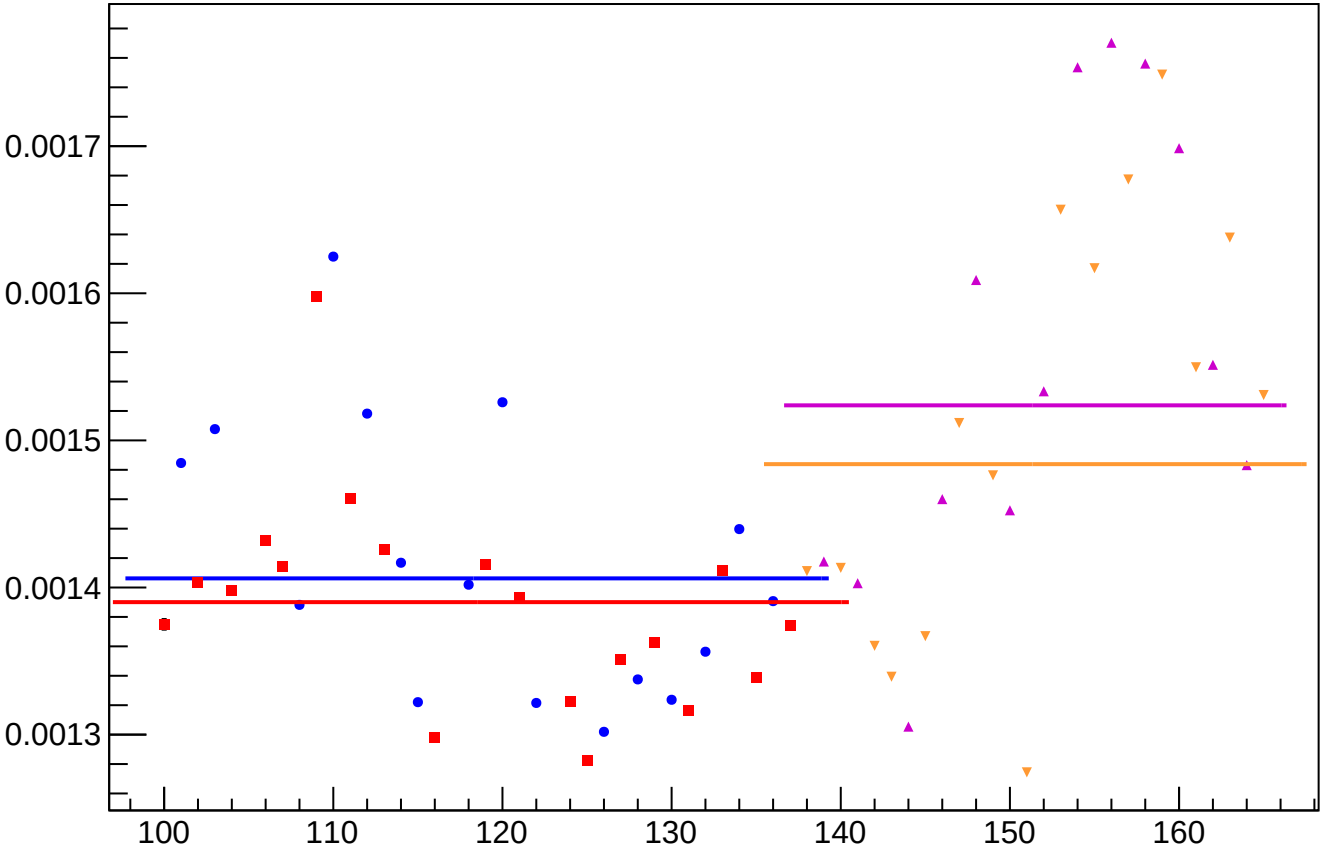
Left In: 0.356+/-0.000 χ^2/NDF:106531752058.8/12

+ sign 0.315+/-0.000 χ^2/NDF: 190258042339.4/30

All: 0.302+/-0.000 χ^2/NDF: 369832998792.3

- sign 0.287+/-0.000 χ^2/NDF: 176158264501.4/31

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:200611.5/14

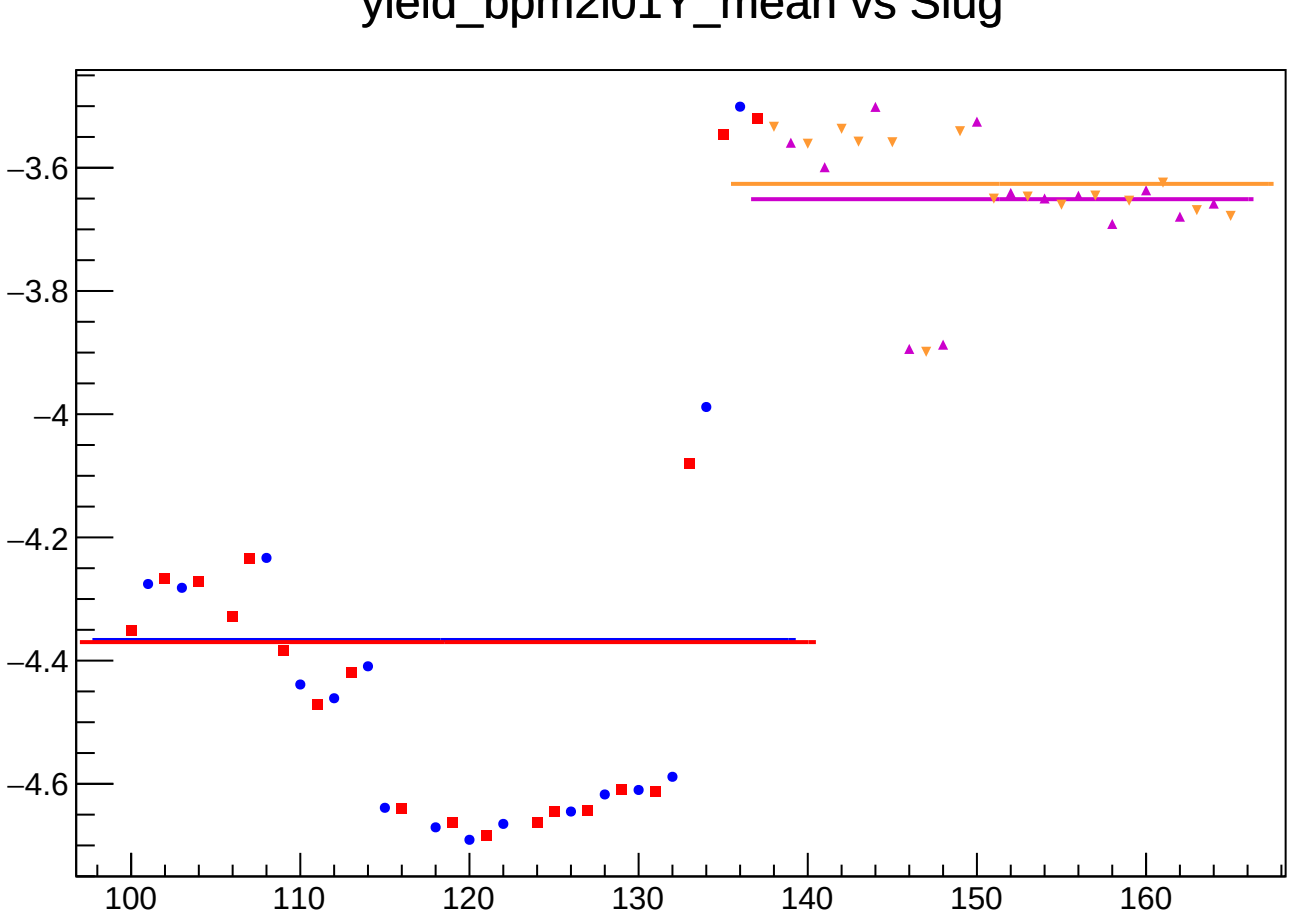
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:194466.4/12

+ sign 0.001+/-0.000 χ^2/NDF: 274194.1/30

All: 0.001+/-0.000 χ^2/NDF: 578686.6/62

- sign 0.001+/-0.000 χ^2/NDF: 303554.3/31



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.626+/-0.000 χ^2/NDF:21429474193.9/14

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

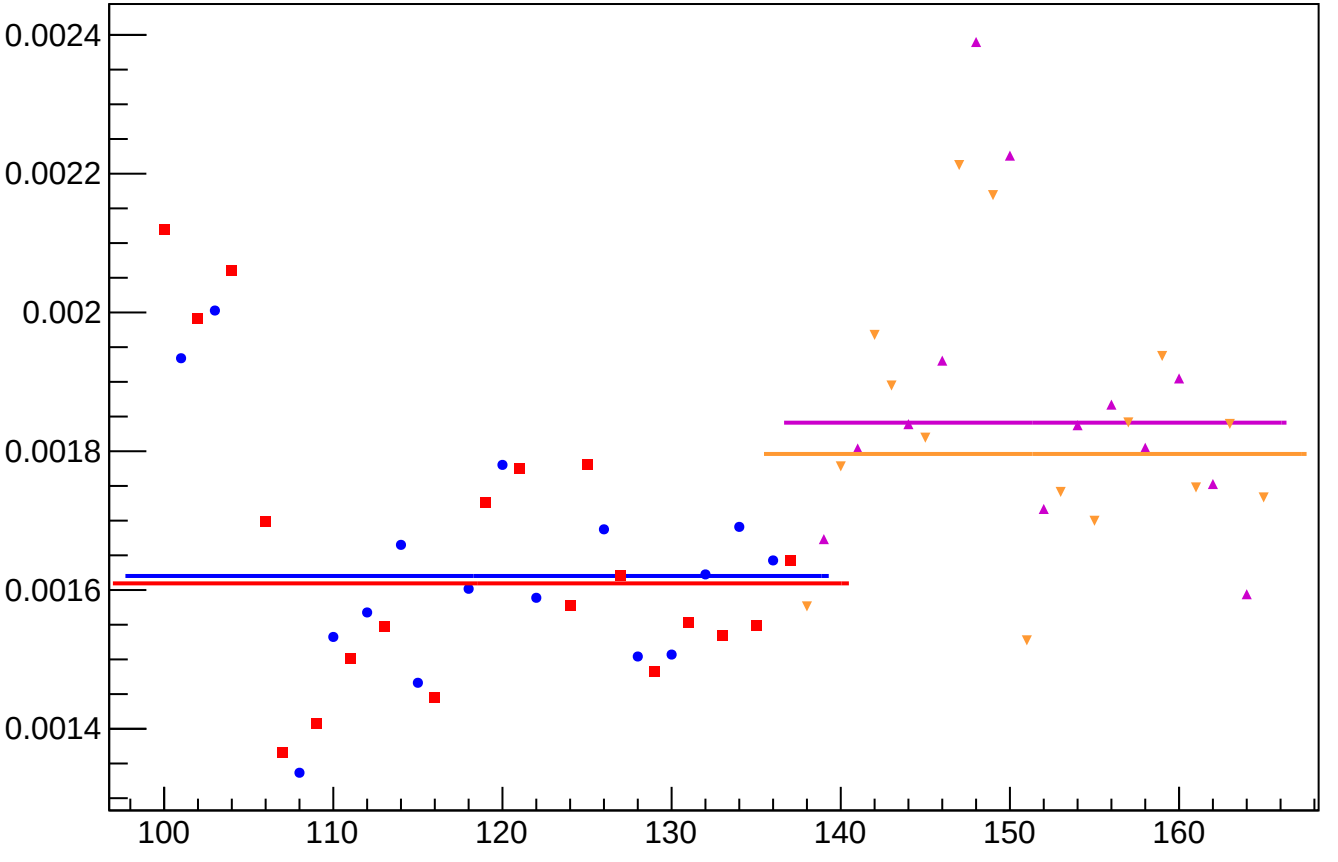
Left In: -3.651+/-0.000 χ^2/NDF:33183406372.4/12

+ sign -3.944+/-0.000 χ^2/NDF: 1193931551586.5/3

All: -3.966+/-0.000 χ^2/NDF: 2280817703420

- sign -3.990+/-0.000 χ^2/NDF: 1080625019704.3/31

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:213378.4/14

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

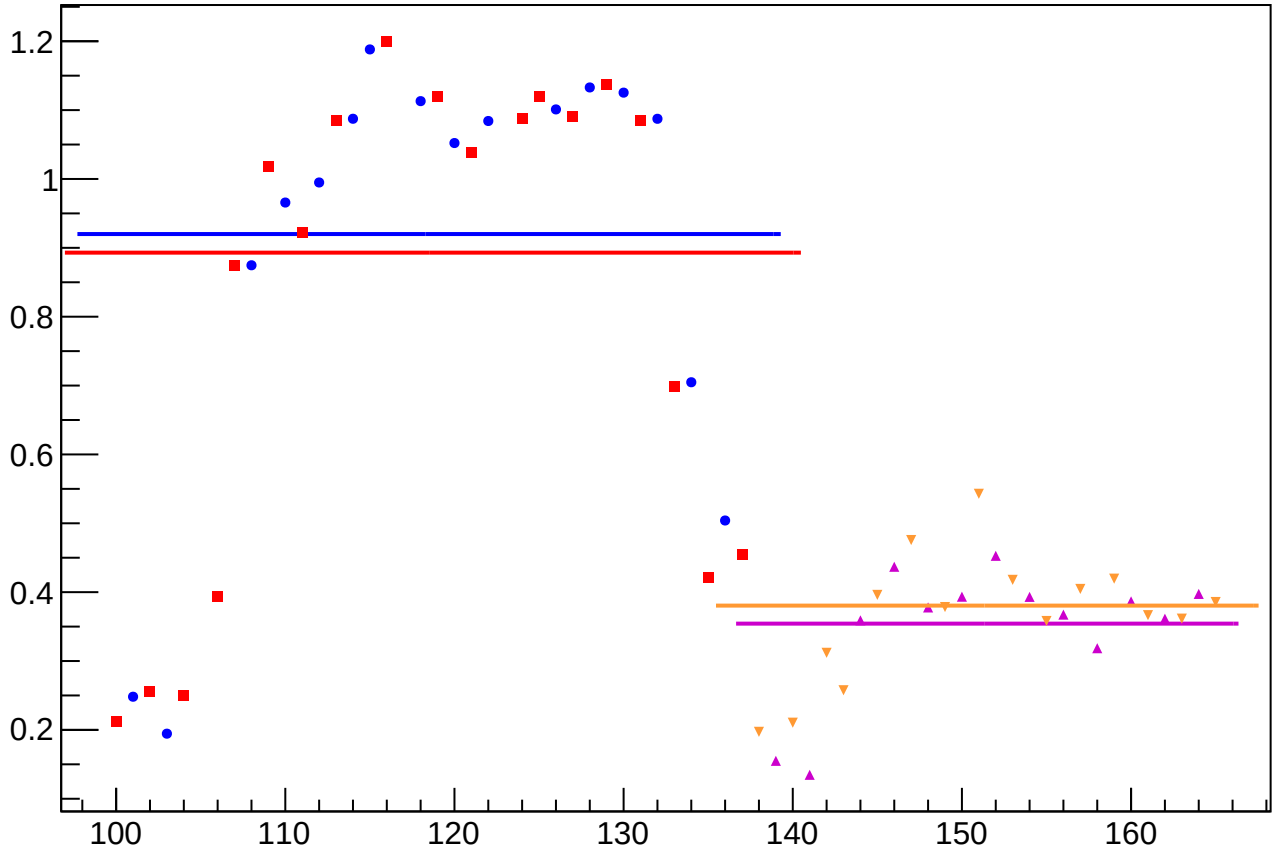
Left In: 0.002+/-0.000 χ^2/NDF:200840.7/12

+ sign 0.002+/-0.000 χ^2/NDF: 446054.7/30

All: 0.002+/-0.000 χ^2/NDF: 988561.6/62

- sign 0.002+/-0.000 χ^2/NDF: 541724.7/31

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.380+/-0.000 χ^2/NDF:1676222429.2/14

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

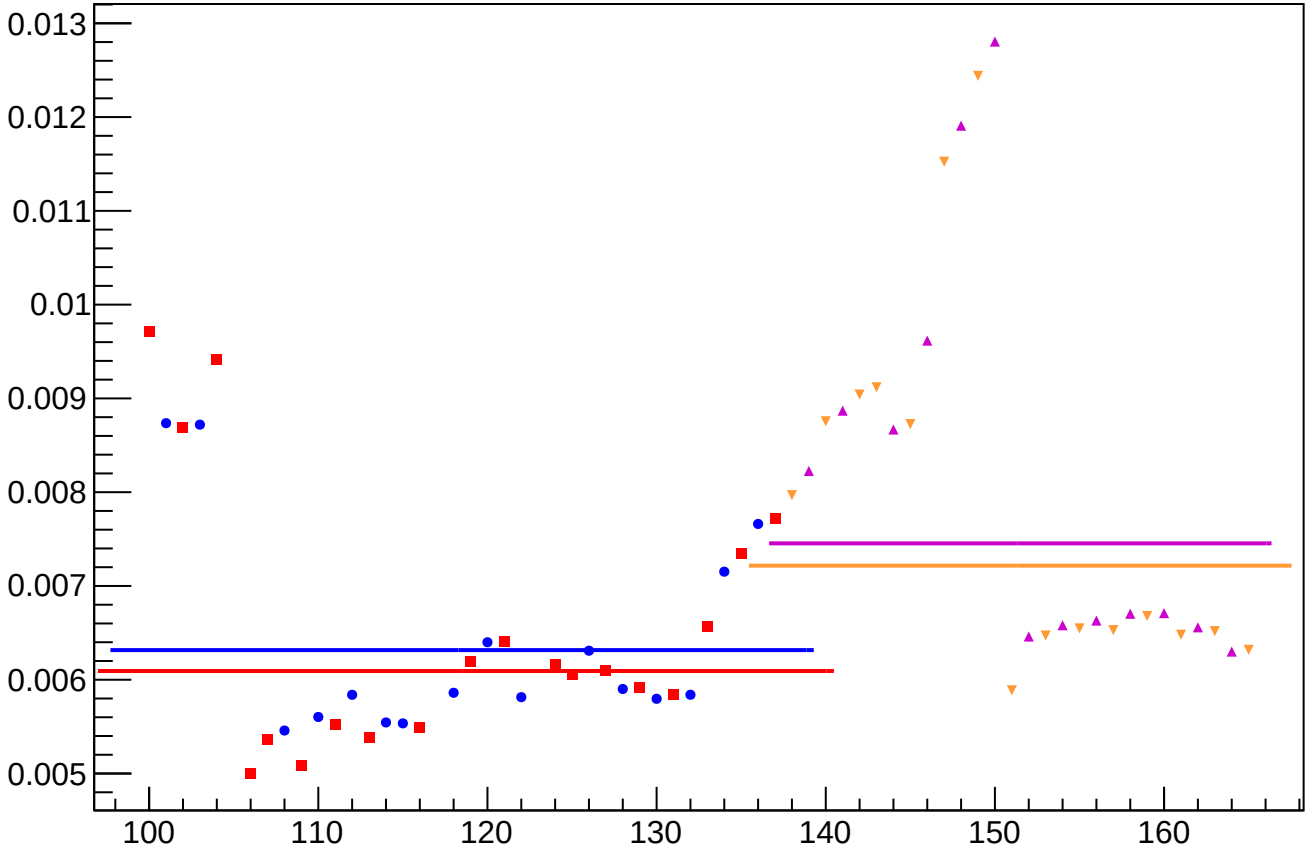
Left In: 0.354+/-0.000 χ^2/NDF:1417680459.3/12

+ sign 0.623+/-0.000 χ^2/NDF: 44431414856.9/30

All: 0.626+/-0.000 χ^2/NDF: 91266045461.4/6

- sign 0.629+/-0.000 χ^2/NDF: 46826588385.8/31

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:959856.6/14

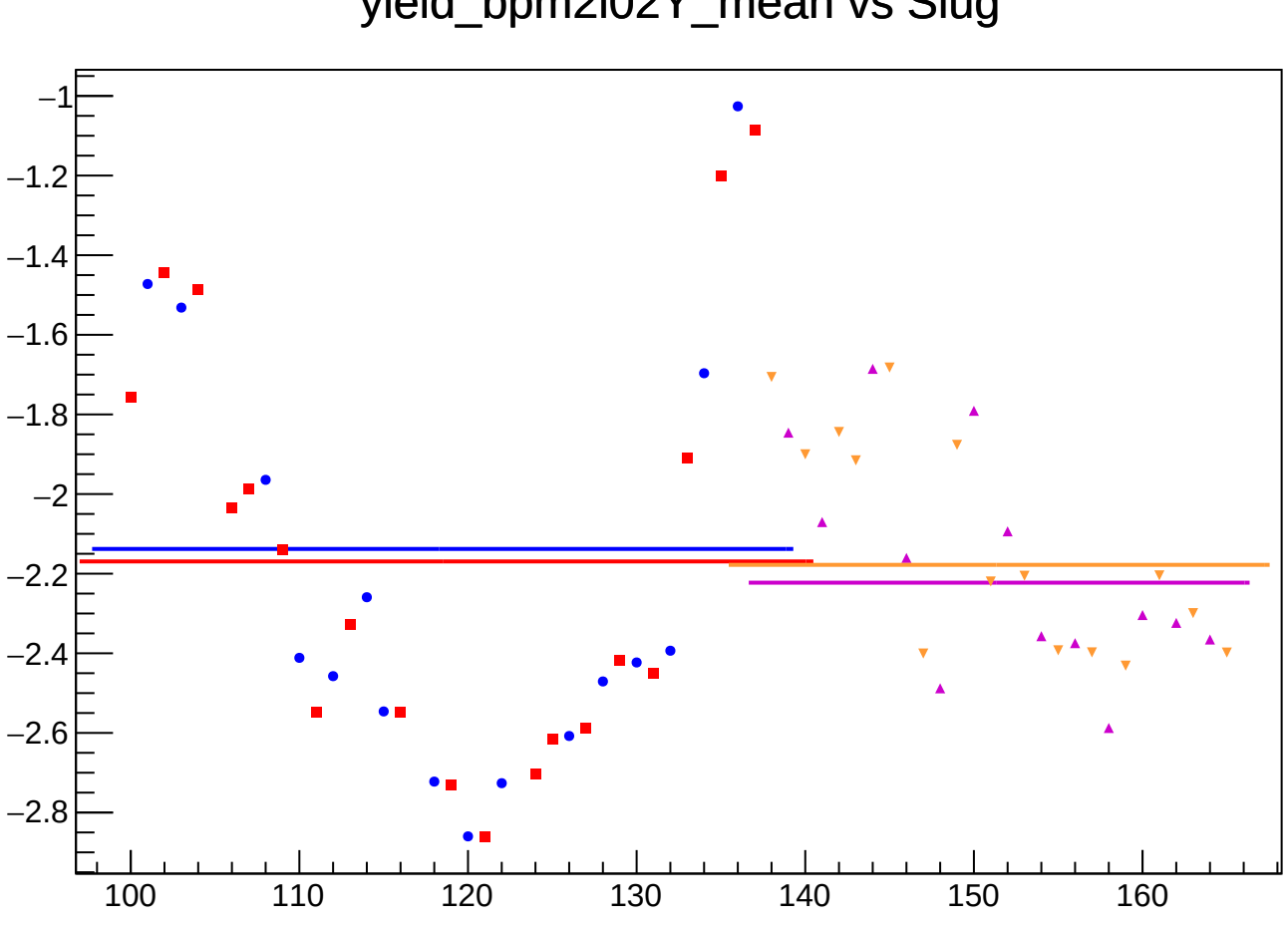
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

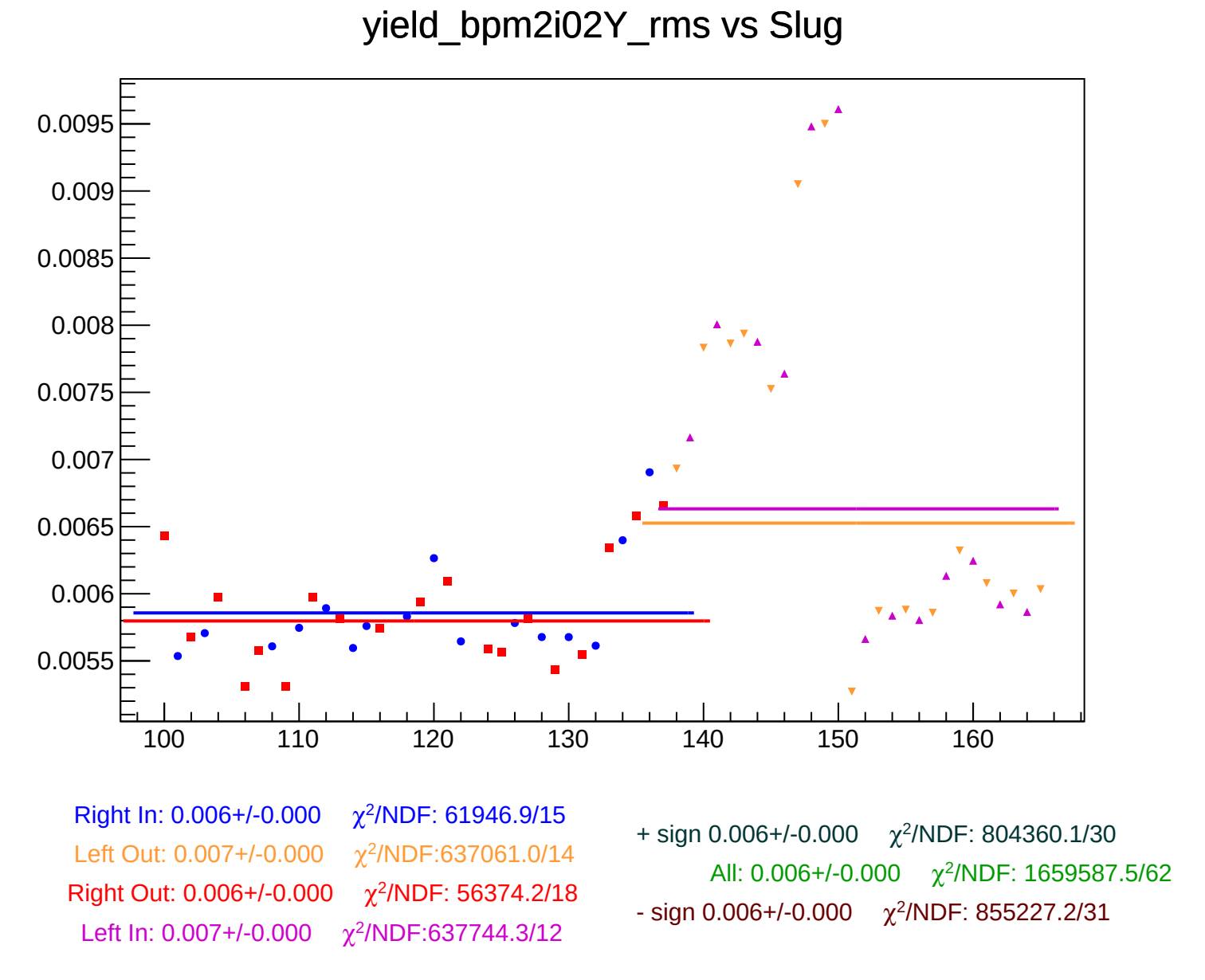
Left In: 0.007+/-0.000 χ^2/NDF:937880.8/12

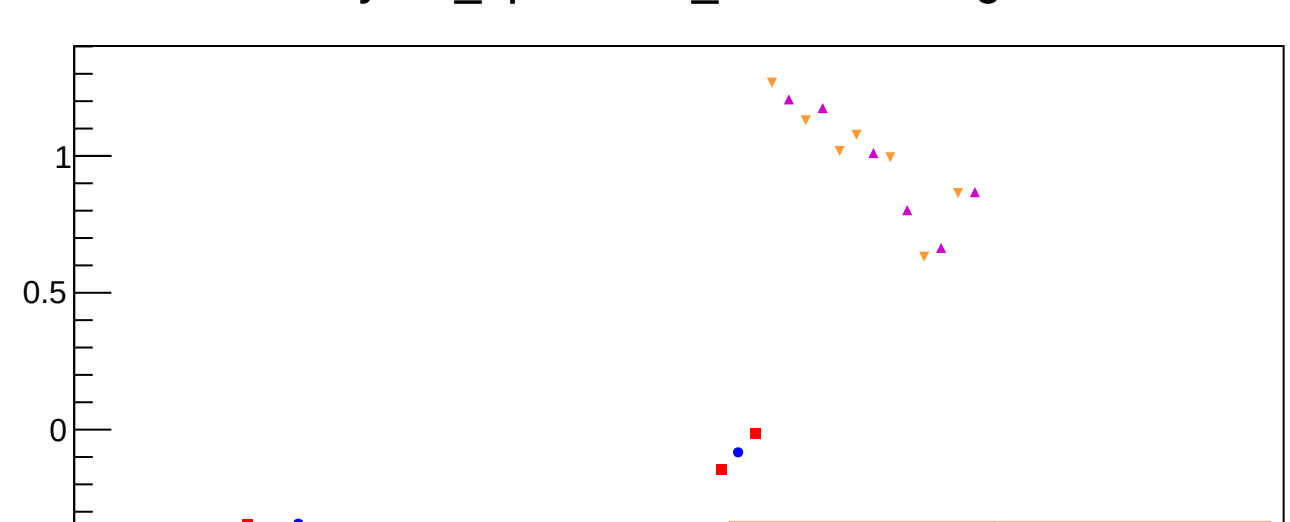
+ sign 0.007+/-0.000 χ^2/NDF: 1452616.8/30

All: 0.007+/-0.000 χ^2/NDF: 3182001.4/62

- sign 0.007+/-0.000 χ^2/NDF: 1728318.2/31


yield_bpm2i02Y_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
160
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.178+/-0.000 χ²/NDF:16060589883.7/14
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.223+/-0.000 χ²/NDF:14673301282.9/12
+ sign -2.160+/-0.000 χ²/NDF: 81915144069.1/30
All: -2.178+/-0.000 χ²/NDF: 154643648456.6
- sign -2.197+/-0.000 χ²/NDF: 72411229743.5/31


yield_bpm2i02Y_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
100
110
120
130
140
150
160
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.007+/-0.000 χ²/NDF:637061.0/14
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.007+/-0.000 χ²/NDF:637744.3/12
+ sign 0.006+/-0.000 χ²/NDF: 804360.1/30
All: 0.006+/-0.000 χ²/NDF: 1659587.5/62
- sign 0.006+/-0.000 χ²/NDF: 855227.2/31



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.342+/-0.000 χ^2/NDF:77237412443.2/14

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

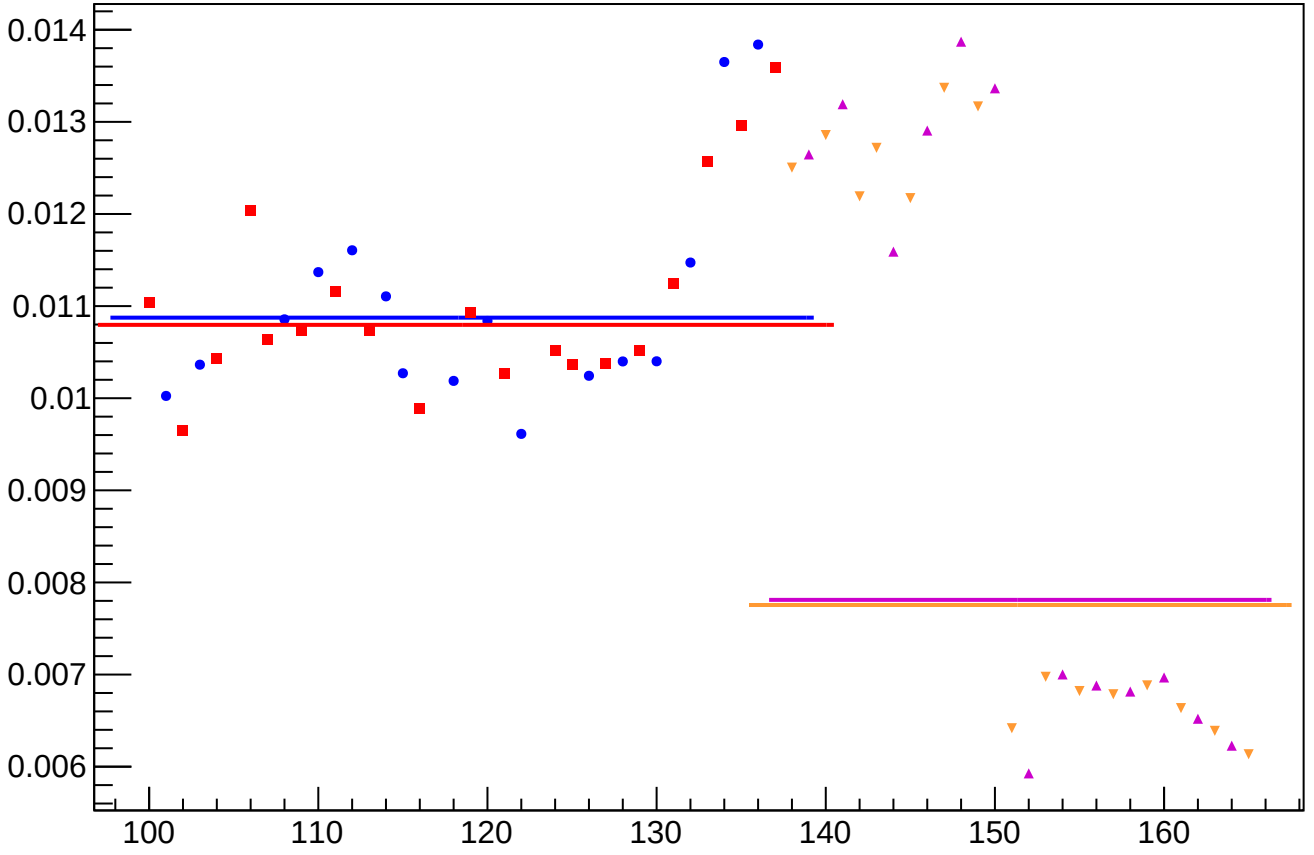
Left In: -0.368+/-0.000 χ^2/NDF:87046037060.6/12

+ sign -0.466+/-0.000 χ^2/NDF: 94965969300.6/30

All: -0.479+/-0.000 χ^2/NDF: 198909590593.0

- sign -0.492+/-0.000 χ^2/NDF: 103869819140.2/31

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:1989332.2/14

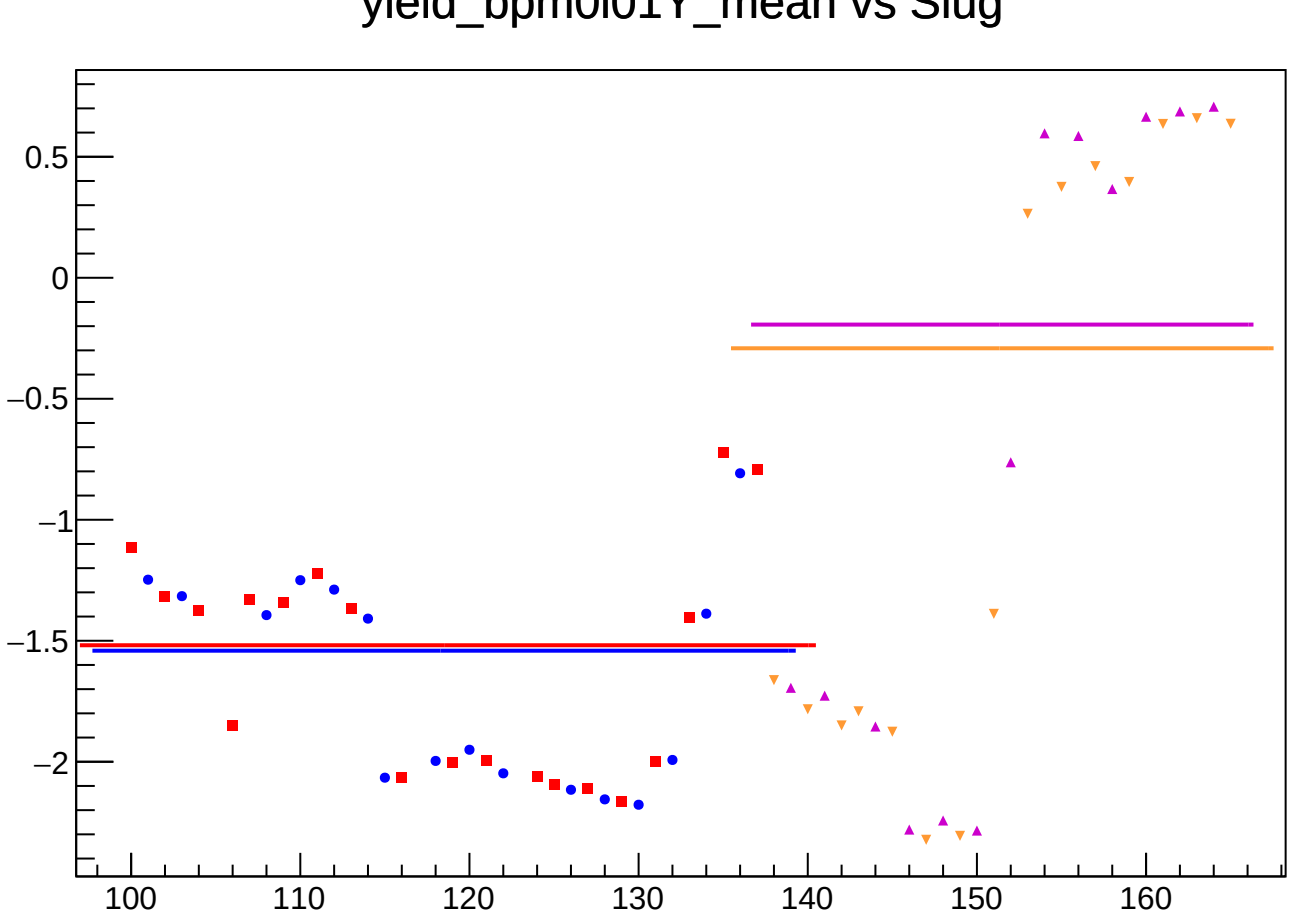
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2025717.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 3010896.5/30

All: 0.009+/-0.000 χ^2/NDF: 5933752.2/62

- sign 0.009+/-0.000 χ^2/NDF: 2920583.6/31



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.291+/-0.000 χ^2/NDF:1824479515004.5/14

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

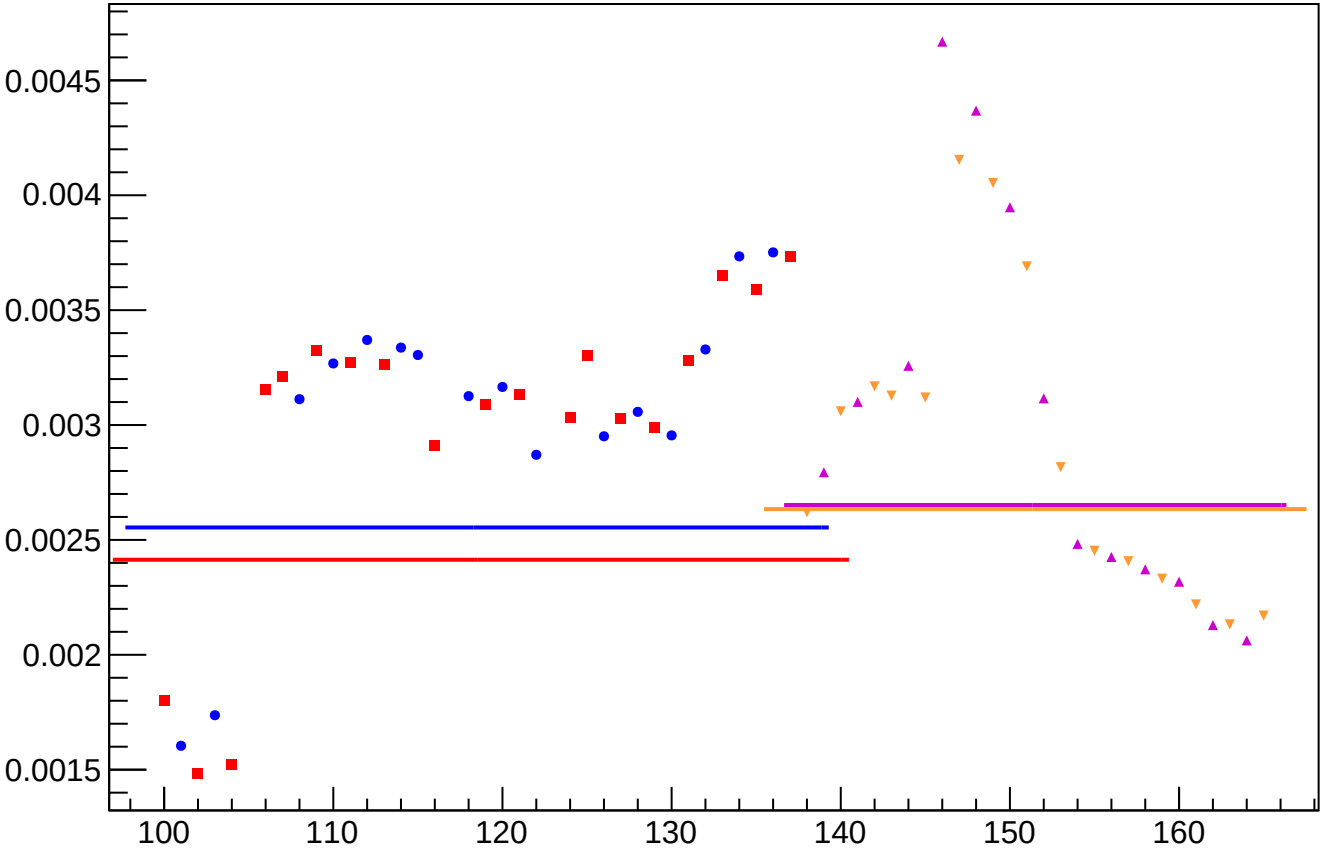
Left In: -0.193+/-0.000 χ^2/NDF:1693524340978.4/12

+ sign -0.777+/-0.000 χ^2/NDF: 2873009961894.2/3

All: -0.774+/-0.000 χ^2/NDF: 5719466331926

- sign -0.771+/-0.000 χ^2/NDF: 2846403804075.1/31

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:804717.5/14

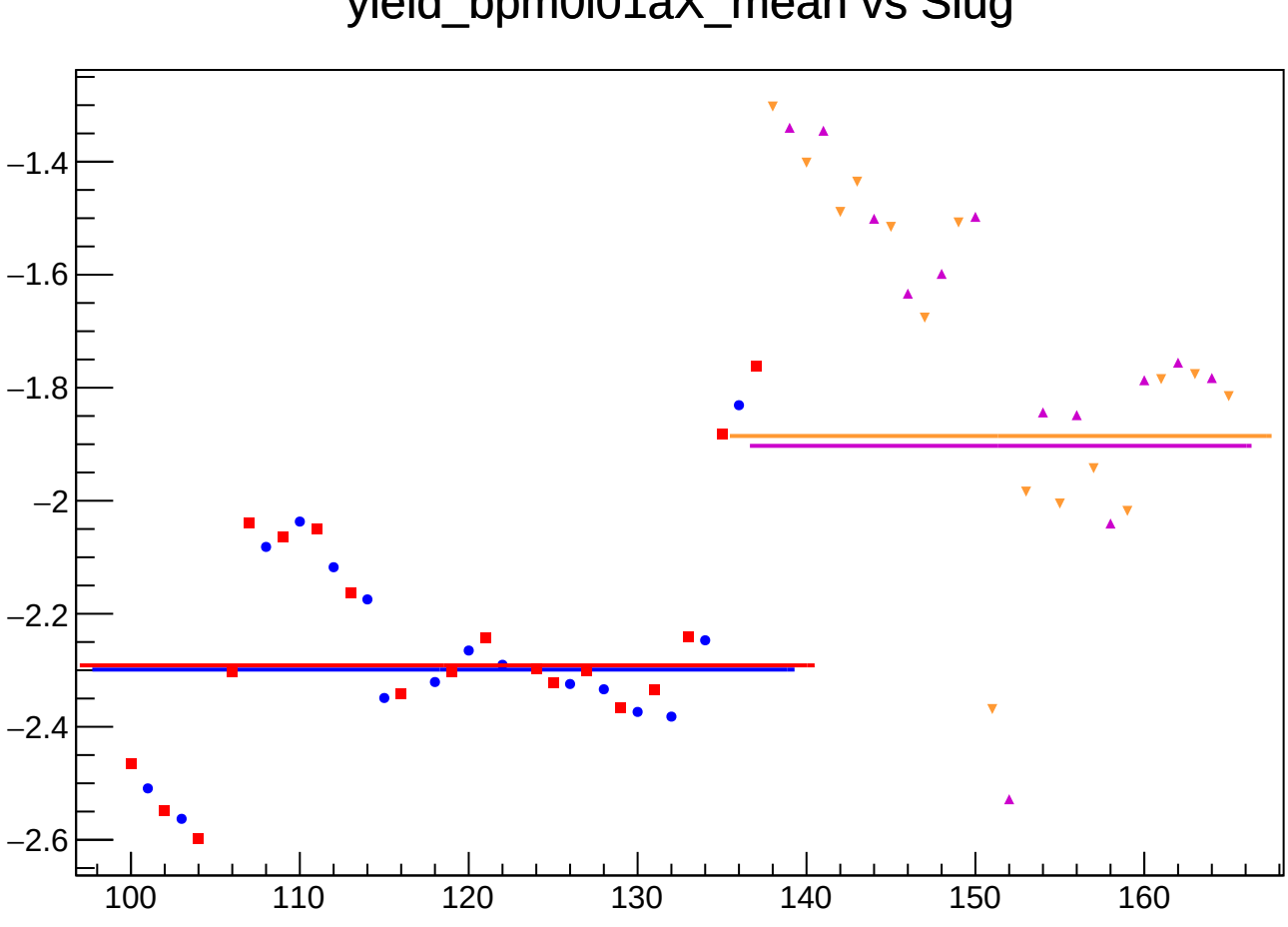
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:963823.9/12

+ sign 0.003+/-0.000 χ^2/NDF: 1984398.0/30

All: 0.003+/-0.000 χ^2/NDF: 4567256.3/62

- sign 0.003+/-0.000 χ^2/NDF: 2575735.1/31



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.885+/-0.000 χ^2/NDF:27008172868.7/14

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

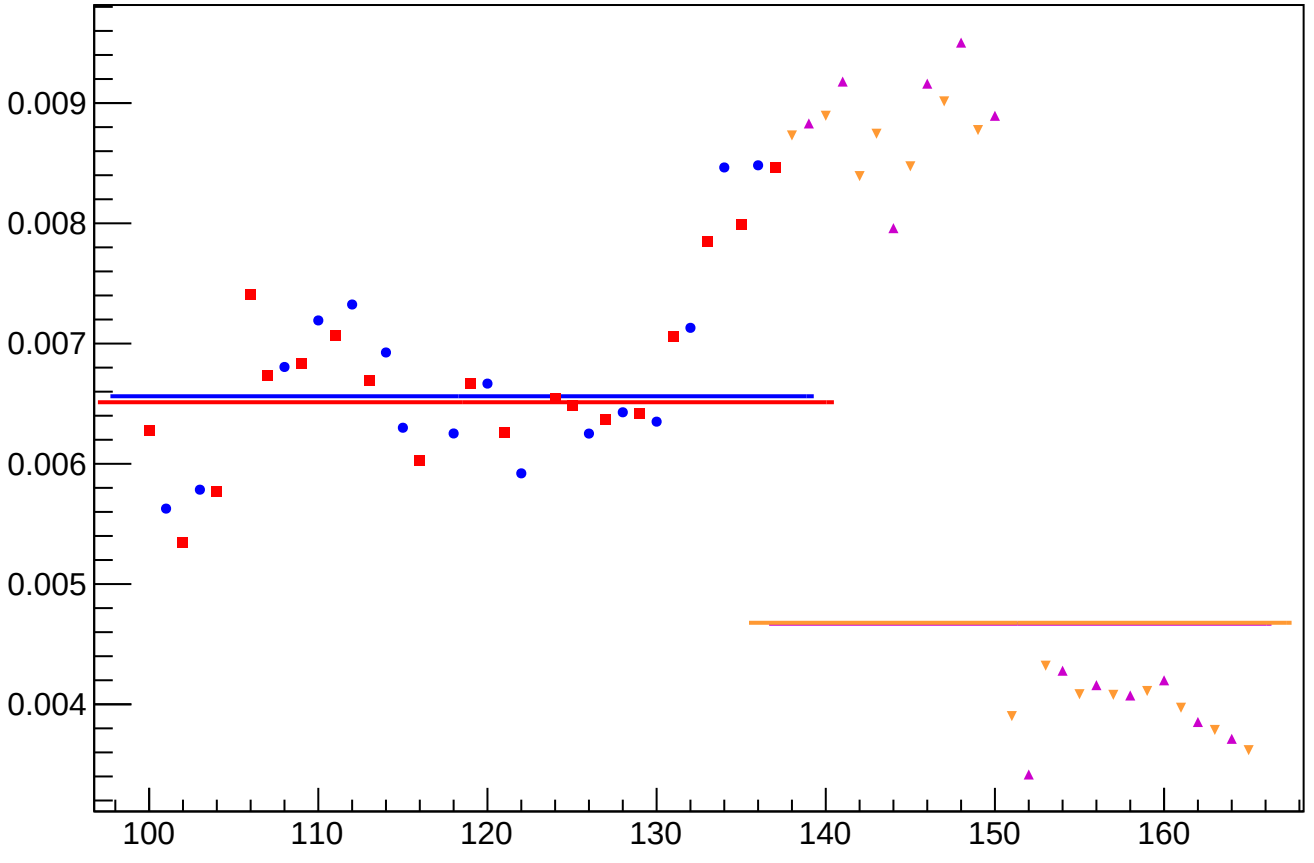
Left In: -1.903+/-0.000 χ^2/NDF:43040246070.5/12

+ sign -1.993+/-0.000 χ^2/NDF: 53468504469.2/30

All: -2.003+/-0.000 χ^2/NDF: 121547567781.5

- sign -2.013+/-0.000 χ^2/NDF: 67952290645.3/31

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2633236.8/14

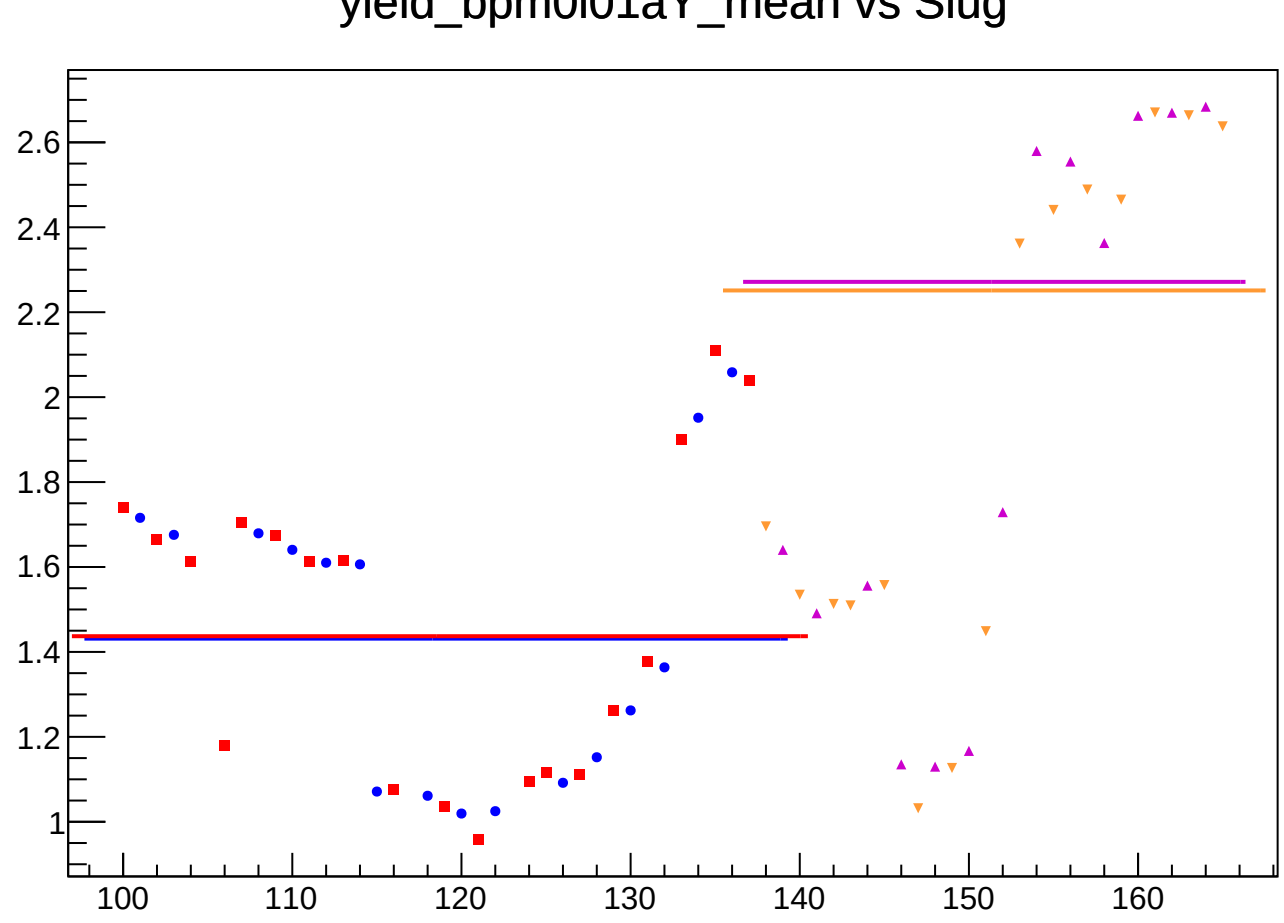
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2728981.8/12

+ sign 0.005+/-0.000 χ^2/NDF: 3699467.0/30

All: 0.005+/-0.000 χ^2/NDF: 7426830.0/62

- sign 0.005+/-0.000 χ^2/NDF: 3726945.6/31



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.251+/-0.000 χ^2/NDF:193264704598.9/14

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

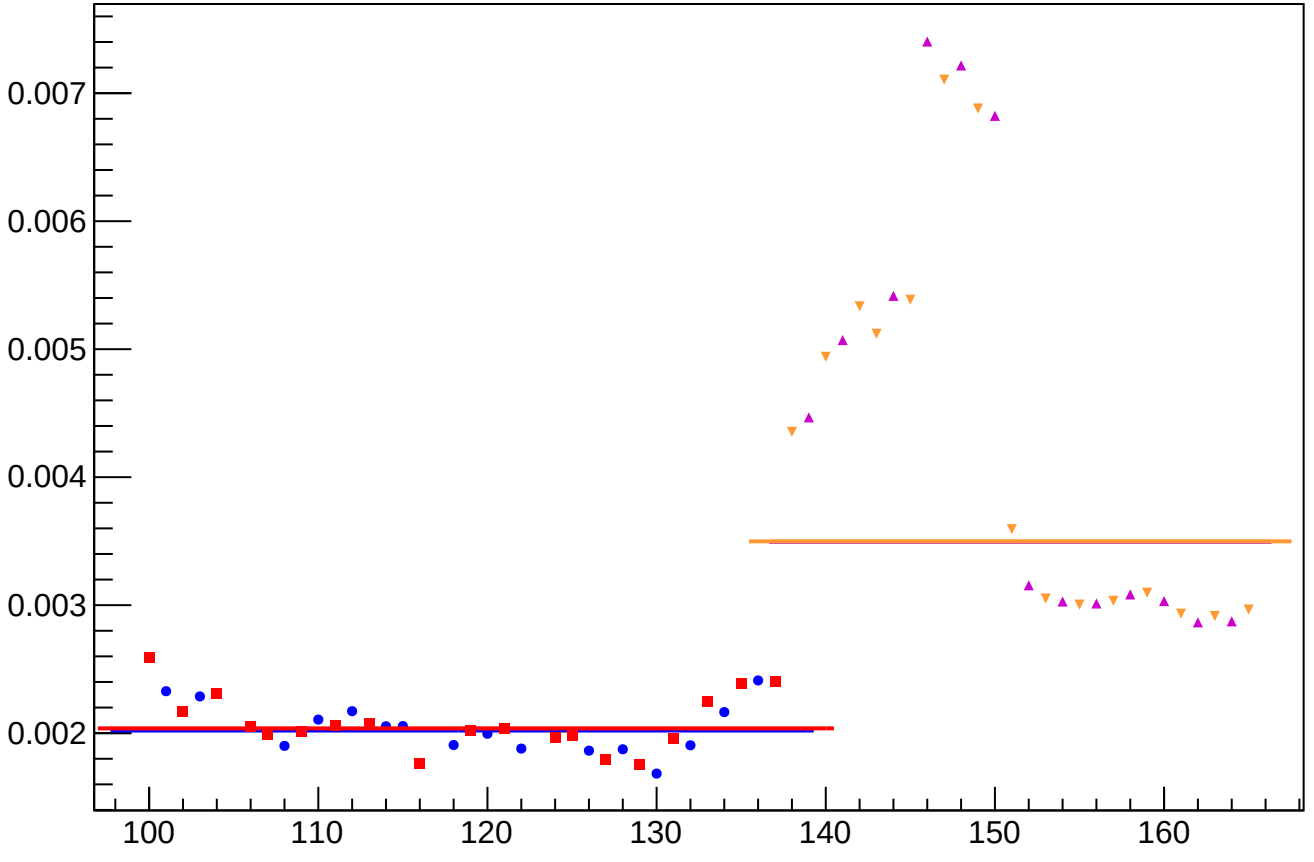
Left In: 2.271+/-0.000 χ^2/NDF:186220942286.5/12

+ sign 1.708+/-0.000 χ^2/NDF: 751840008001.8/30

All: 1.705+/-0.000 χ^2/NDF: 1480066962747.

- sign 1.701+/-0.000 χ^2/NDF: 728166967851.2/31

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1594295.4/14

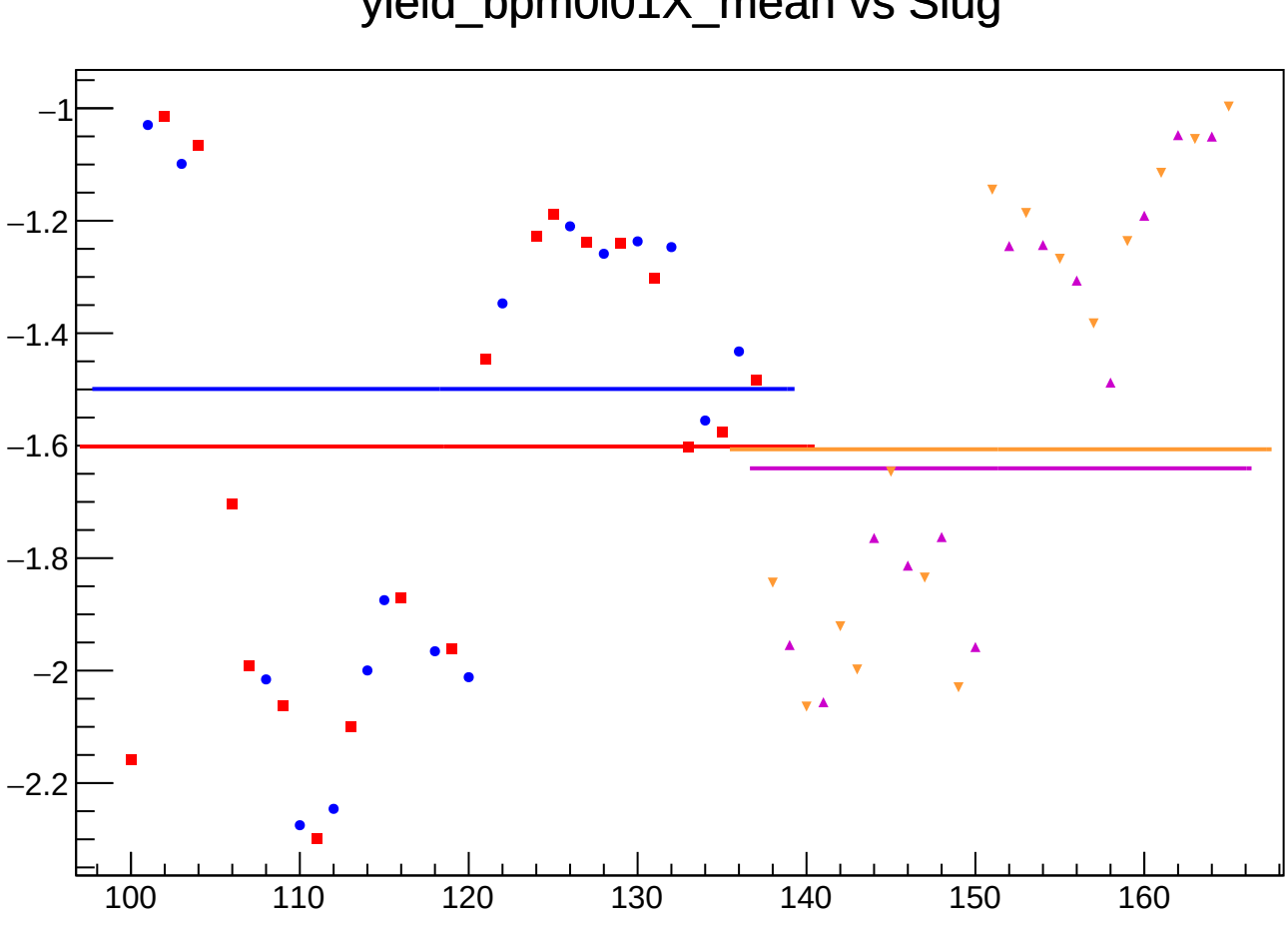
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1837492.5/12

+ sign 0.003+/-0.000 χ^2/NDF: 4149927.6/30

All: 0.003+/-0.000 χ^2/NDF: 8297869.4/62

- sign 0.002+/-0.000 χ^2/NDF: 4146884.5/31



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.606+/-0.000 χ^2/NDF:36736067789.8/14

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

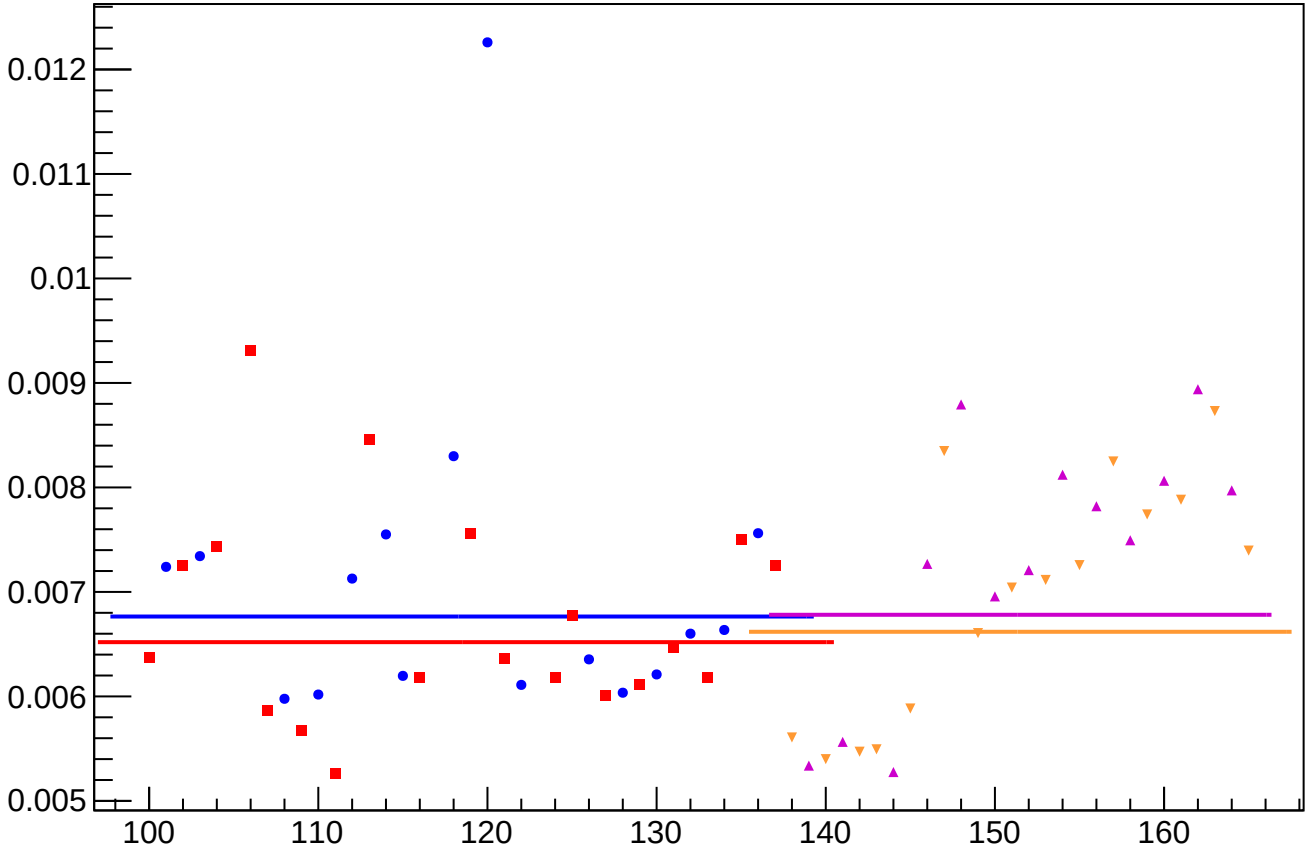
Left In: -1.640+/-0.000 χ^2/NDF:25396676349.9/12

+ sign -1.567+/-0.000 χ^2/NDF: 60702082214.5/30

All: -1.595+/-0.000 χ^2/NDF: 115168960277.4

- sign -1.624+/-0.000 χ^2/NDF: 53860790533.3/31

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:585628.4/14

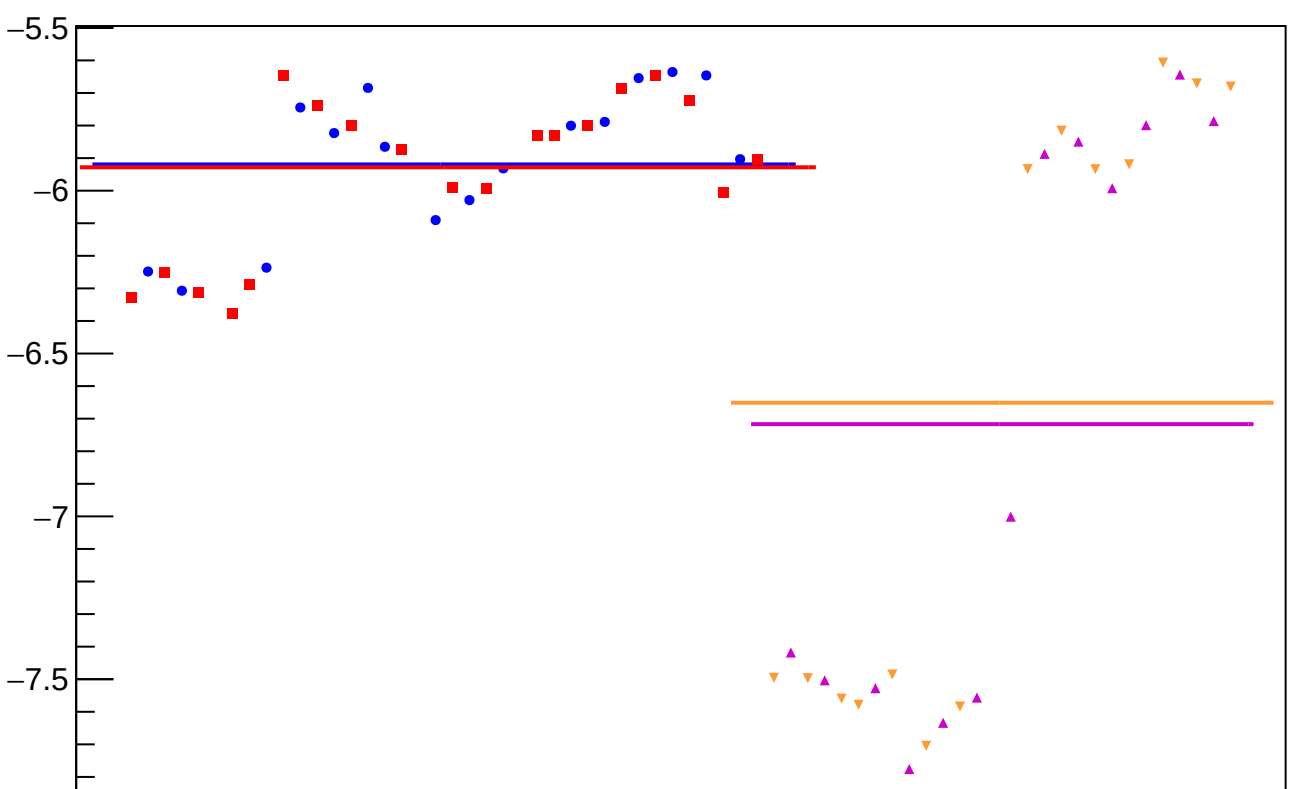
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:673431.5/12

+ sign 0.007+/-0.000 χ^2/NDF: 828034.5/30

All: 0.007+/-0.000 χ^2/NDF: 1759569.8/62

- sign 0.007+/-0.000 χ^2/NDF: 931530.9/31



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.651+/-0.000 χ^2/NDF:86244505464.7/14

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

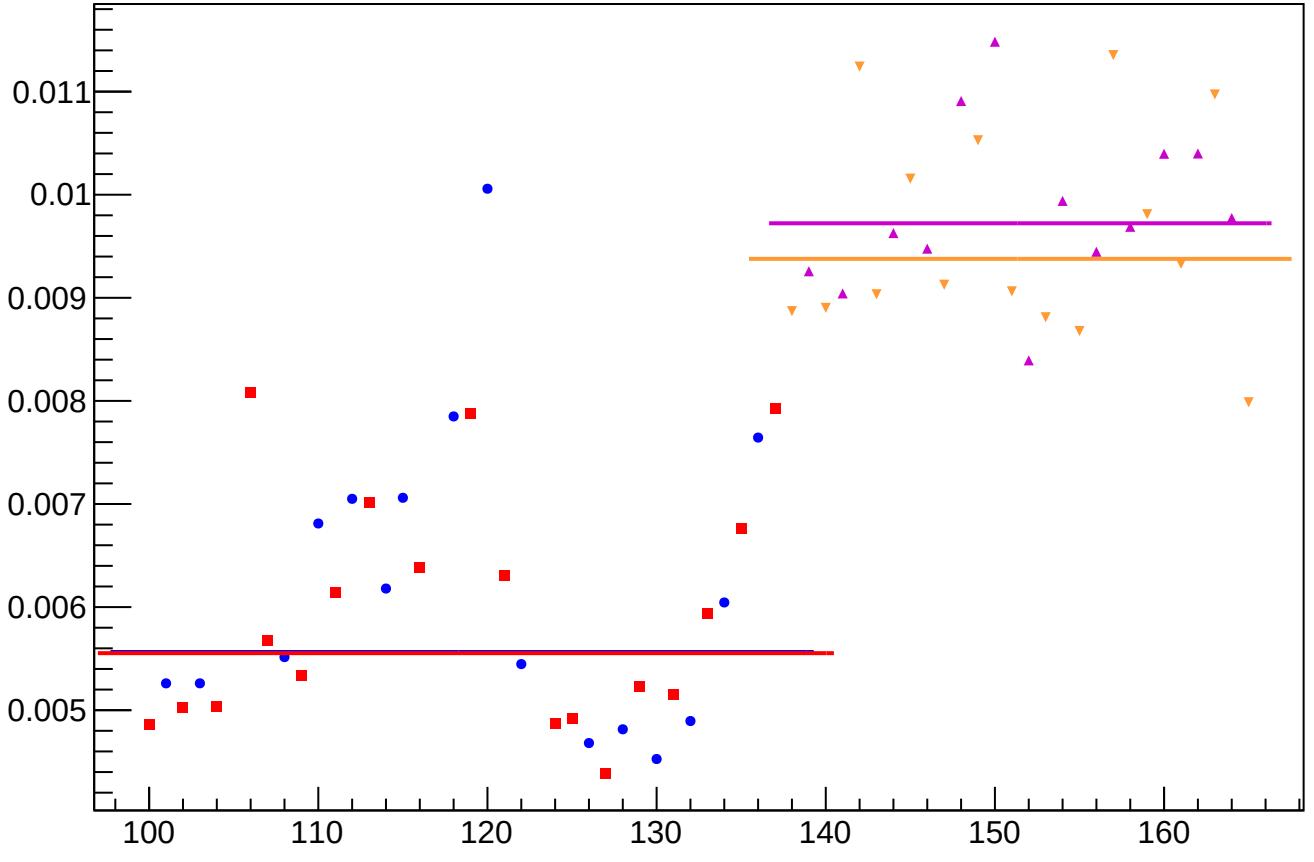
Left In: -6.717+/-0.000 χ^2/NDF:61787825005.0/12

+ sign -6.169+/-0.000 χ^2/NDF: 134241995834.9/30

All: -6.166+/-0.000 χ^2/NDF: 247724496906.3

- sign -6.163+/-0.000 χ^2/NDF: 113476418928.3/31

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:172245.5/14

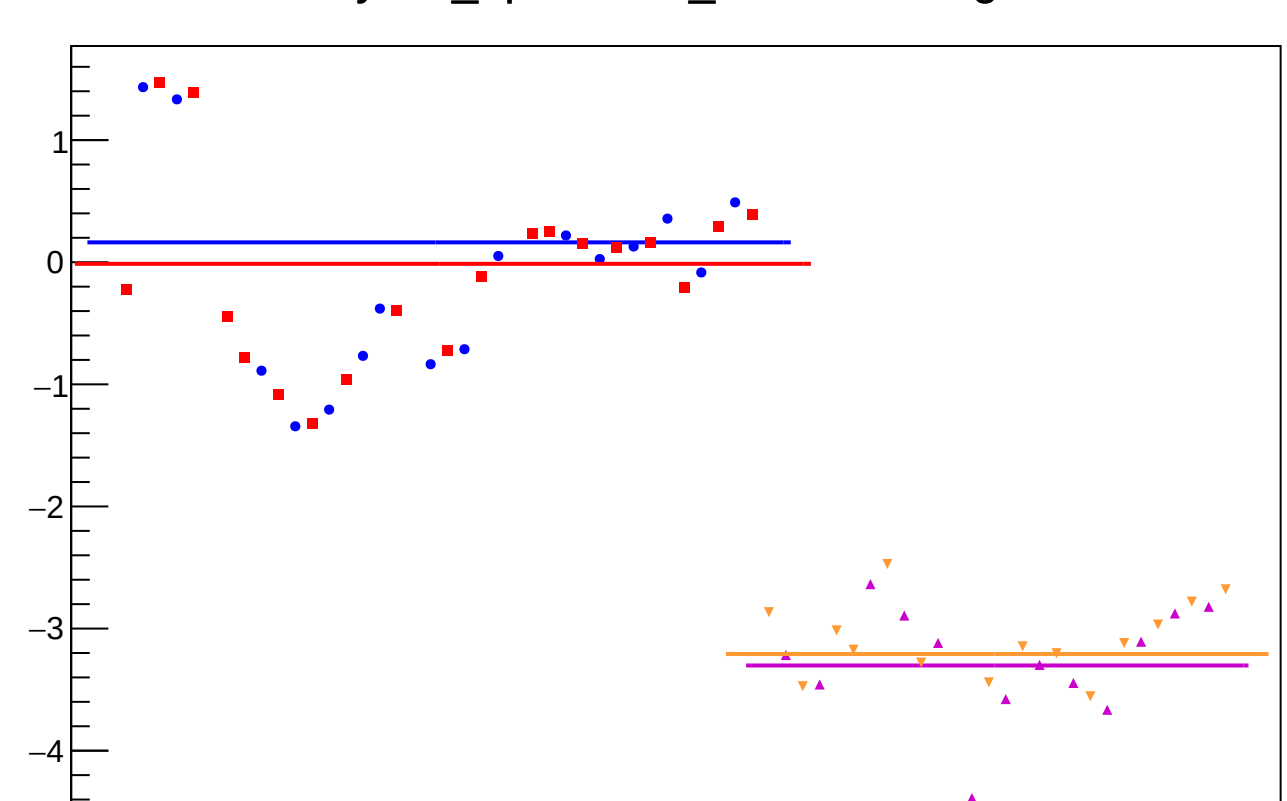
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:105881.1/12

+ sign 0.007+/-0.000 χ^2/NDF: 2637700.5/30

All: 0.007+/-0.000 χ^2/NDF: 5291836.1/62

- sign 0.007+/-0.000 χ^2/NDF: 2652560.3/31



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.208+/-0.000 χ^2/NDF:8070346218.6/14

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

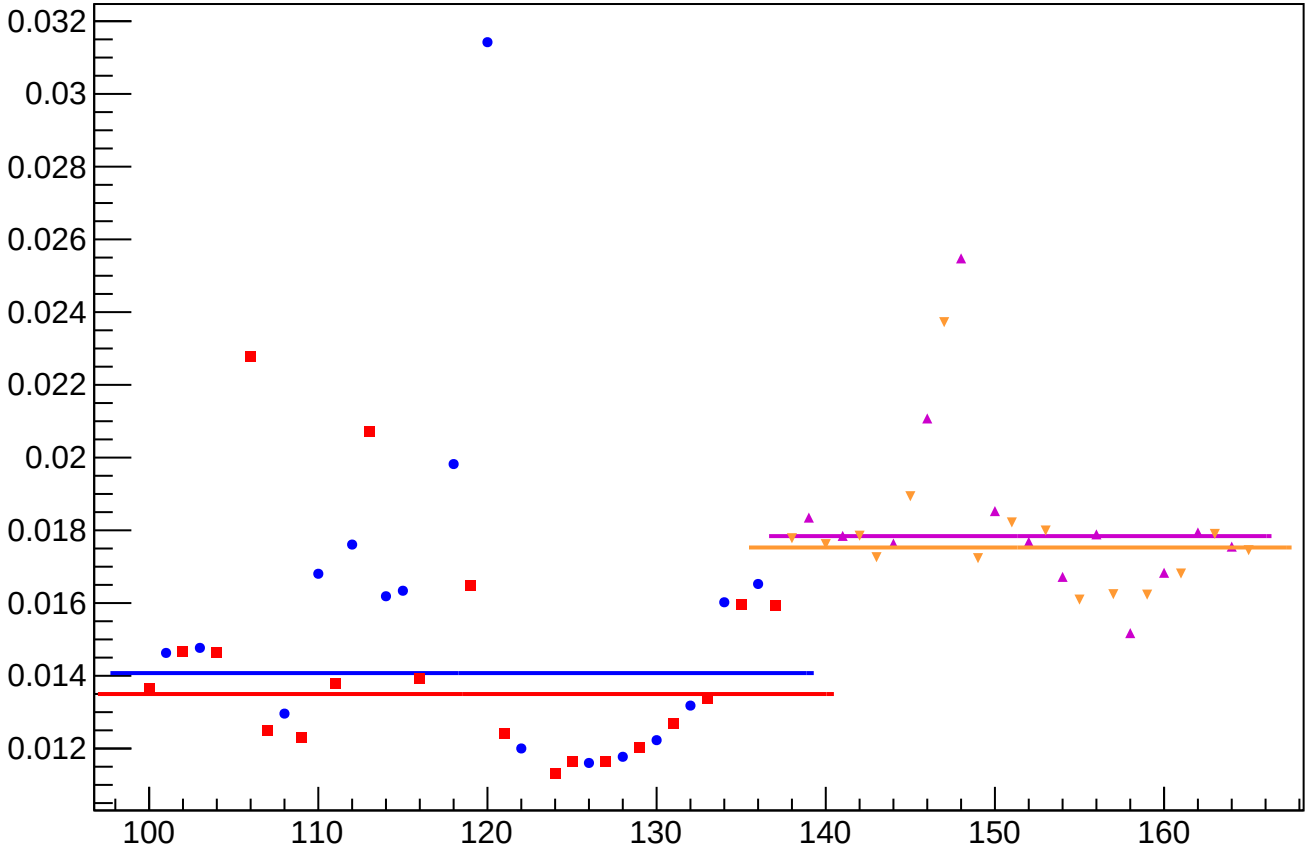
Left In: -3.302+/-0.000 χ^2/NDF:6262896257.5/12

+ sign -1.634+/-0.000 χ^2/NDF: 218863127140.1/30

All: -1.588+/-0.000 χ^2/NDF: 435028082096.4

- sign -1.543+/-0.000 χ^2/NDF: 215878053592.9/31

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:152391.4/14

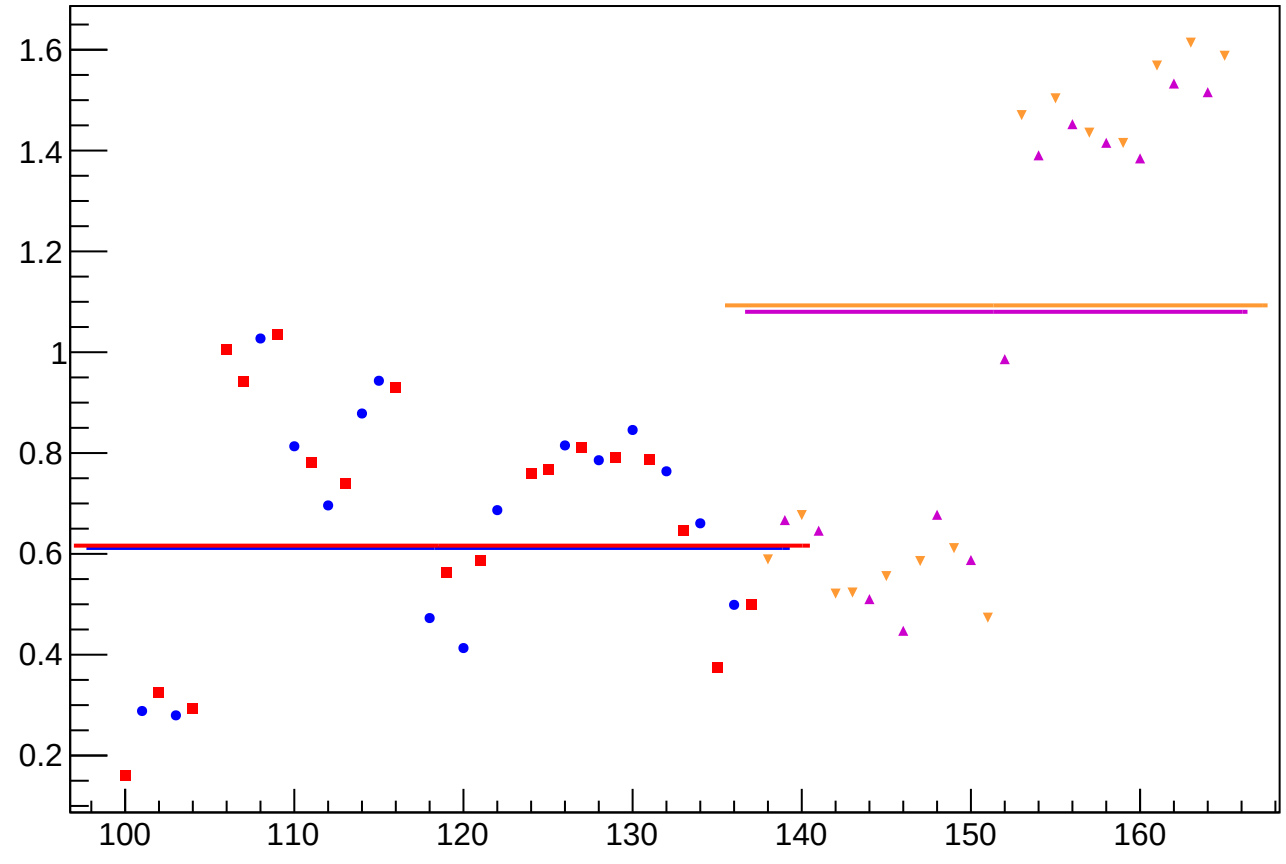
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:243386.7/12

+ sign 0.016+/-0.000 χ^2/NDF: 1022714.6/30

All: 0.016+/-0.000 χ^2/NDF: 2244087.6/62

- sign 0.016+/-0.000 χ^2/NDF: 1210525.3/31



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.093+/-0.000 χ^2/NDF:35837154894.0/14

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

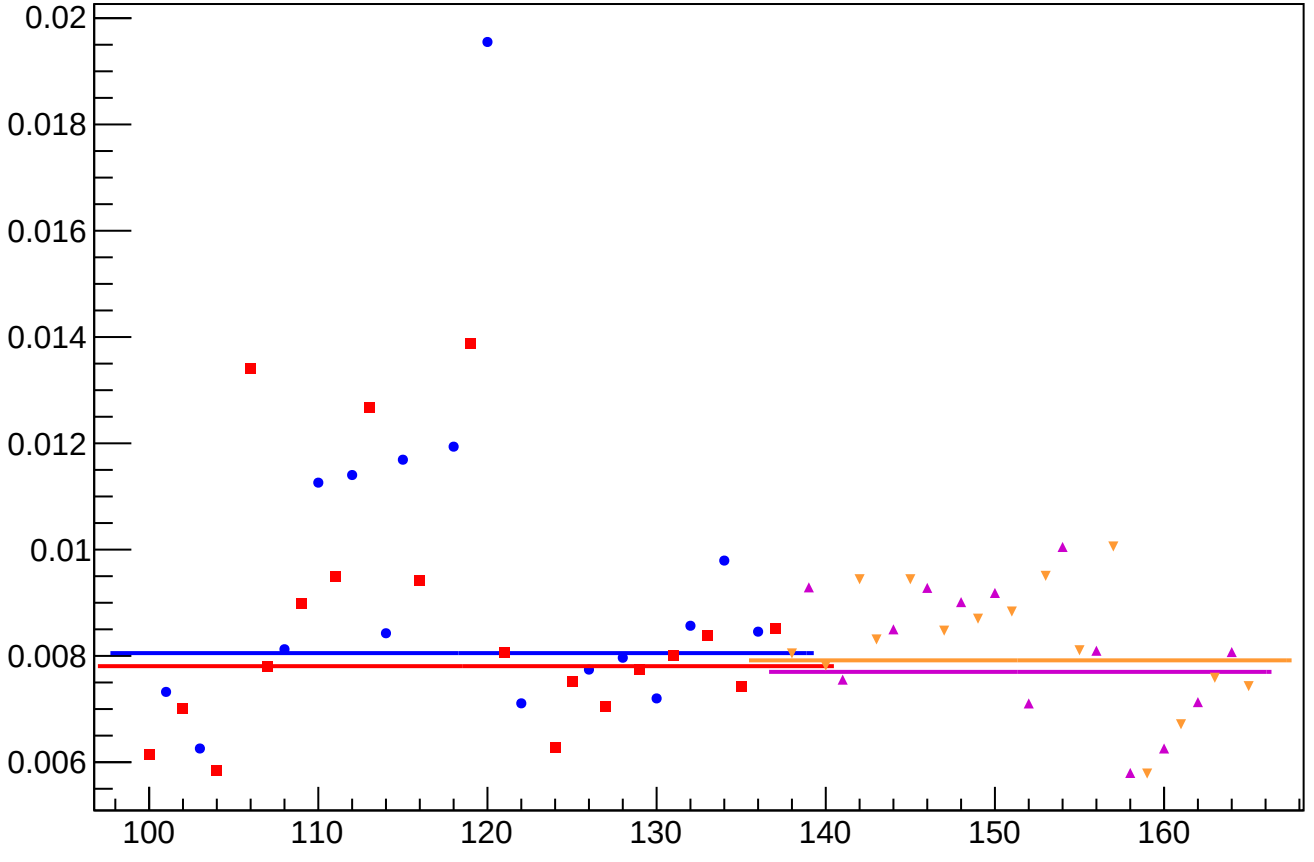
Left In: 1.080+/-0.000 χ^2/NDF:26283458745.0/12

+ sign 0.916+/-0.000 χ^2/NDF: 55294285386.0/30

All: 0.906+/-0.000 χ^2/NDF: 101707213931.3

- sign 0.896+/-0.000 χ^2/NDF: 46363429607.8/31

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:466135.6/14

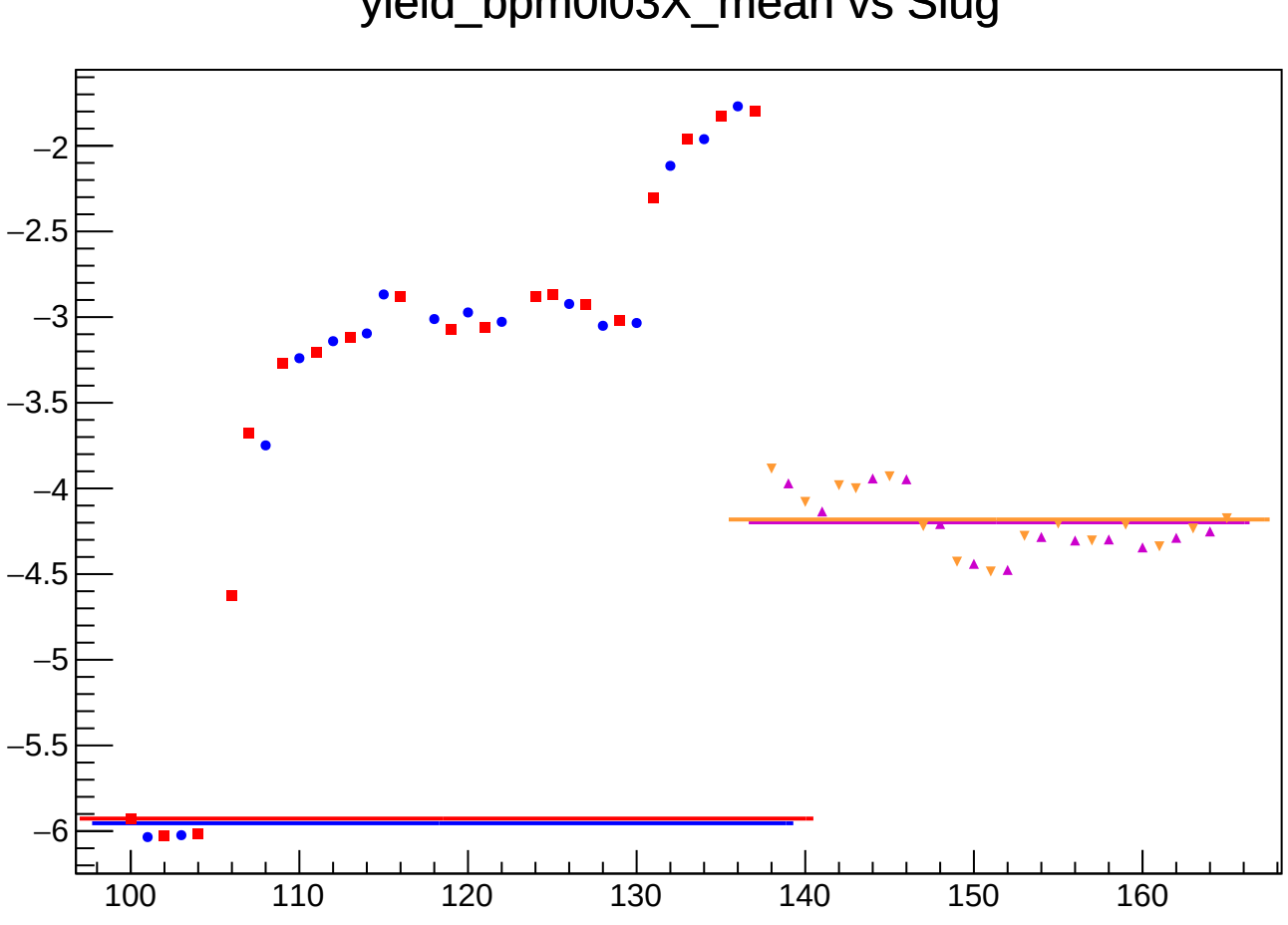
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:537369.5/12

+ sign 0.008+/-0.000 χ^2/NDF: 1066663.1/30

All: 0.008+/-0.000 χ^2/NDF: 2205787.0/62

- sign 0.008+/-0.000 χ^2/NDF: 1125995.0/31



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.181+/-0.000 χ^2/NDF:52549975.0/14

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

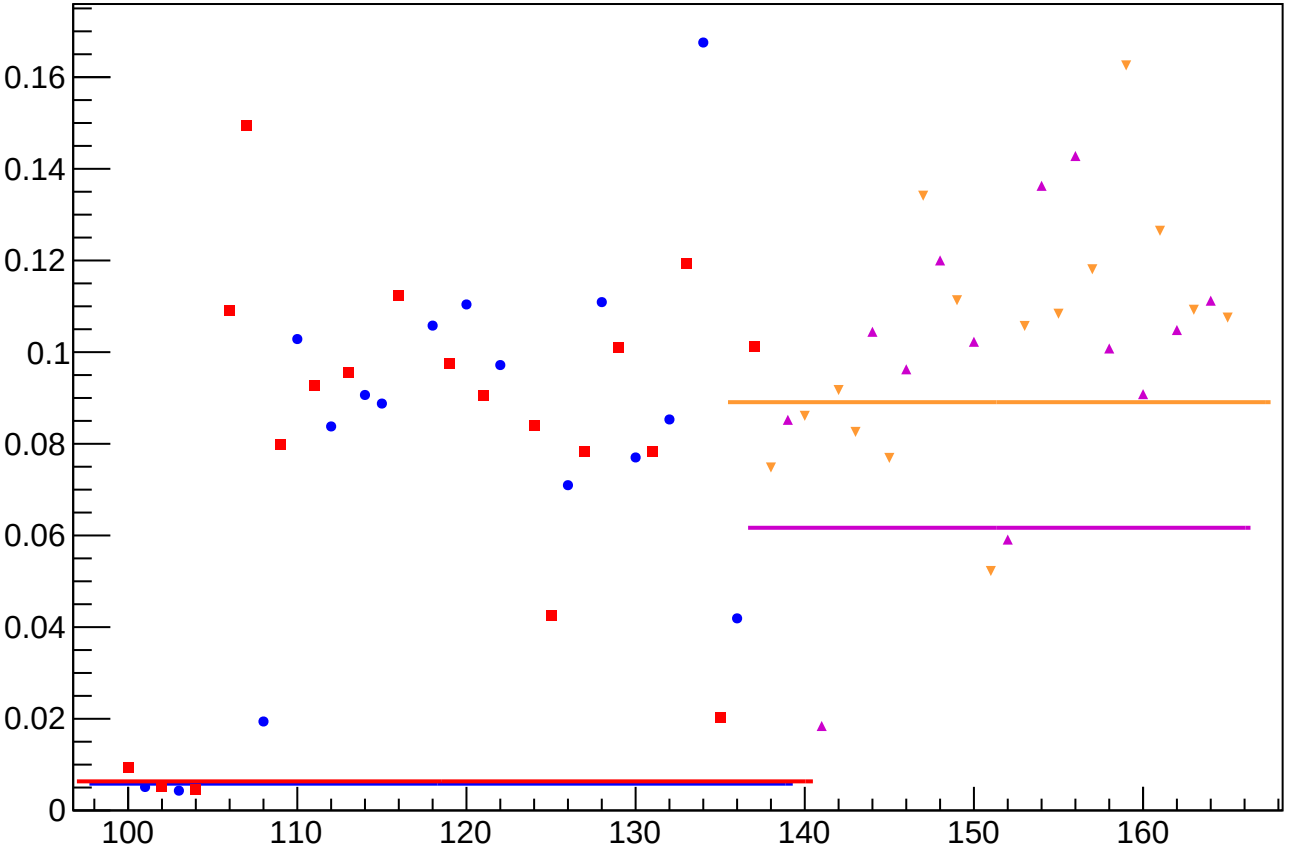
Left In: -4.197+/-0.000 χ^2/NDF:39973374.2/12

+ sign -5.914+/-0.000 χ^2/NDF: 16796492036.1/30

All: -5.892+/-0.000 χ^2/NDF: 35352349073.6/

- sign -5.865+/-0.000 χ^2/NDF: 18497719553.1/31

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.089+/-0.000 χ^2/NDF:1569168.5/14

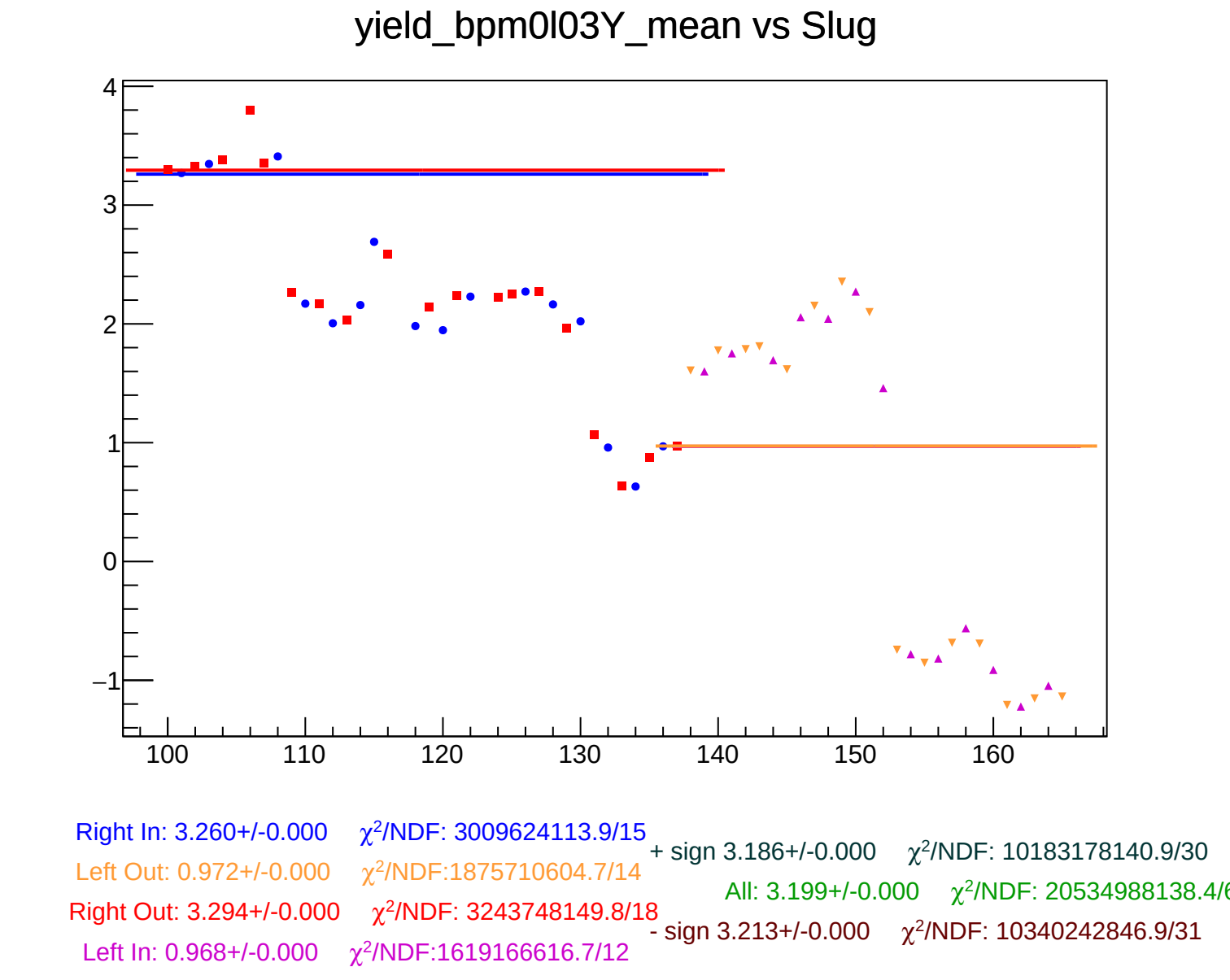
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.062+/-0.000 χ^2/NDF:5419940.7/12

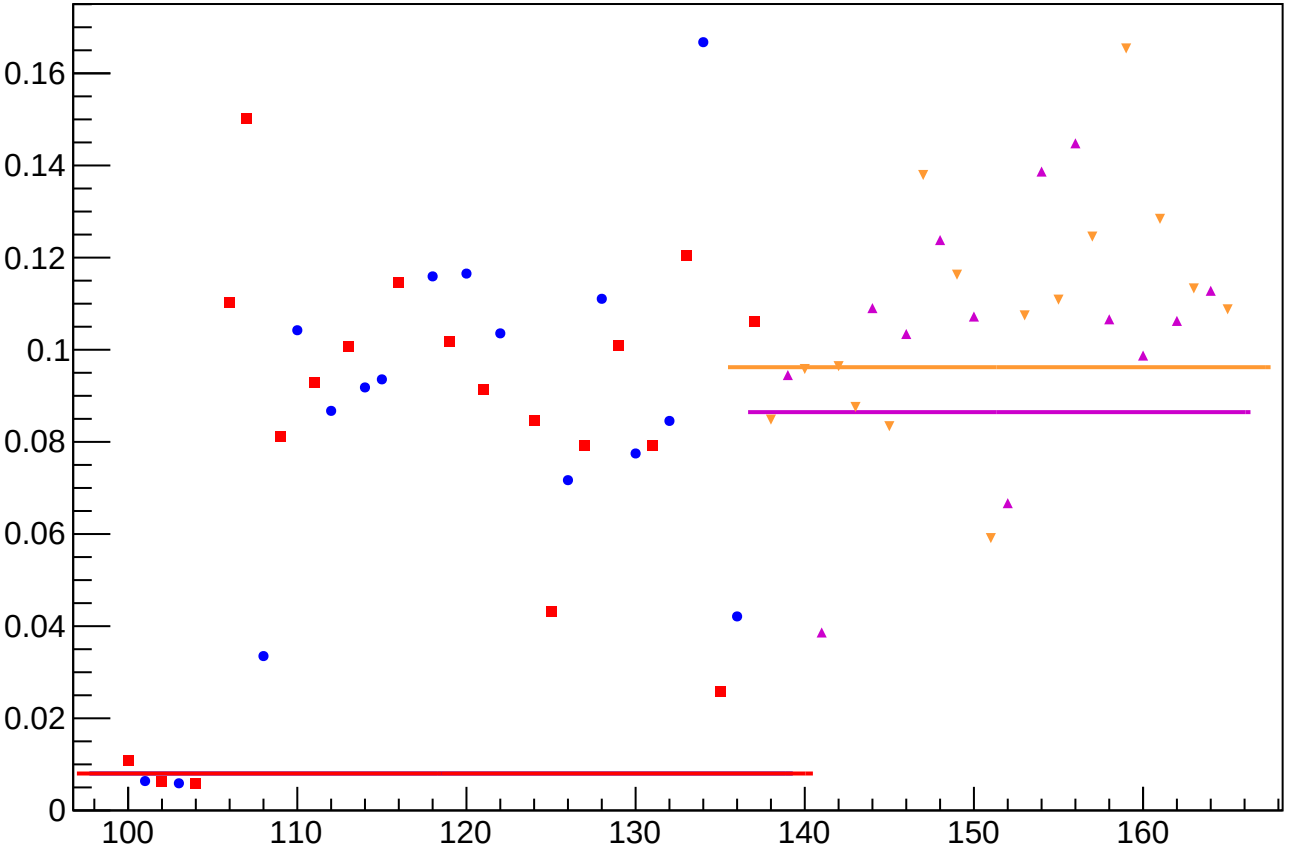
+ sign 0.008+/-0.000 χ^2/NDF: 26339594.6/30

All: 0.008+/-0.000 χ^2/NDF: 49813585.2/62

- sign 0.008+/-0.000 χ^2/NDF: 23456079.1/31


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 3.260+/-0.000 χ²/NDF: 3009624113.9/15
Left Out: 0.972+/-0.000 χ²/NDF:1875710604.7/14
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 0.968+/-0.000 χ²/NDF:1619166616.7/12
+ sign 3.186+/-0.000 χ²/NDF: 10183178140.9/30
All: 3.199+/-0.000 χ²/NDF: 20534988138.4/6
- sign 3.213+/-0.000 χ²/NDF: 10340242846.9/31

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.096+/-0.000 χ^2/NDF:1235687.1/14

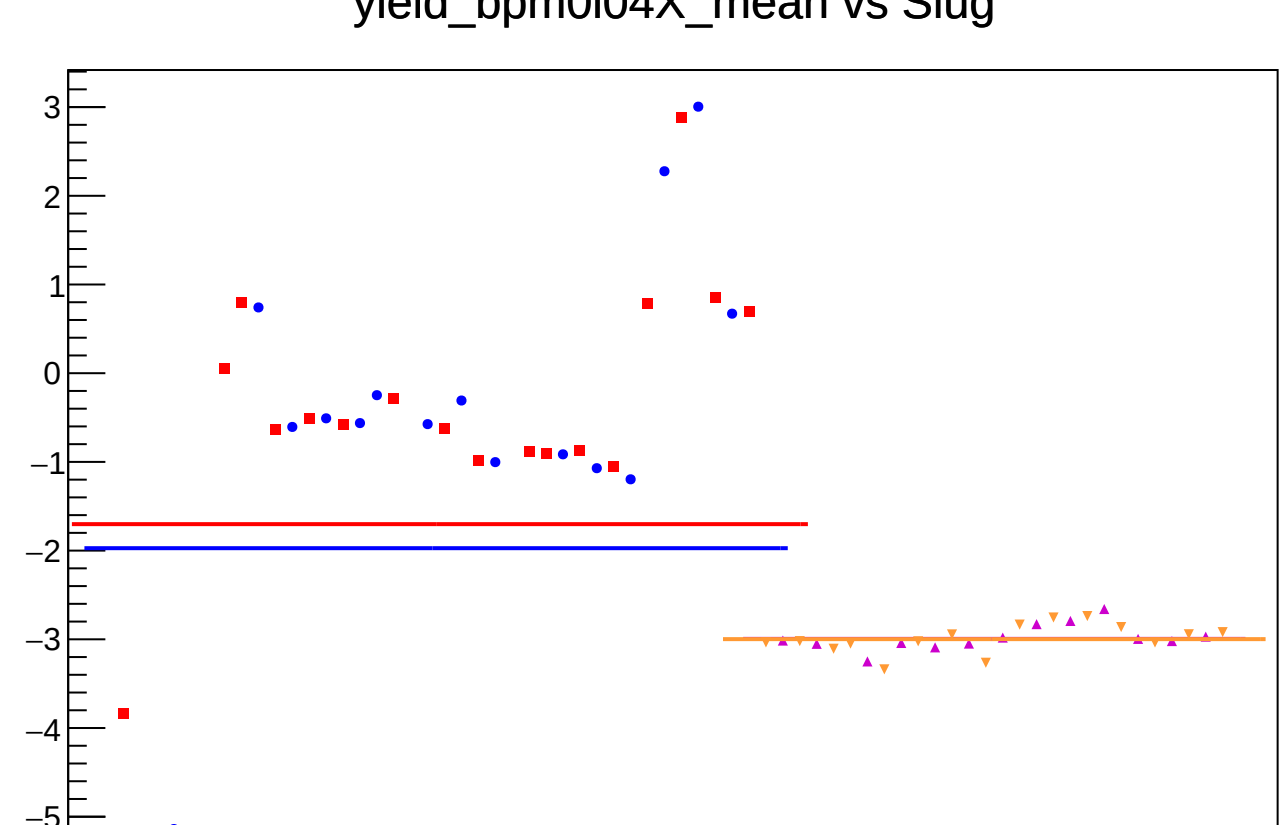
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.086+/-0.000 χ^2/NDF:2204307.5/12

+ sign 0.011+/-0.000 χ^2/NDF: 25382092.2/30

All: 0.011+/-0.000 χ^2/NDF: 48596471.3/62

- sign 0.011+/-0.000 χ^2/NDF: 23213562.8/31



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.998+/-0.000 χ^2/NDF:4302163489.8/14

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

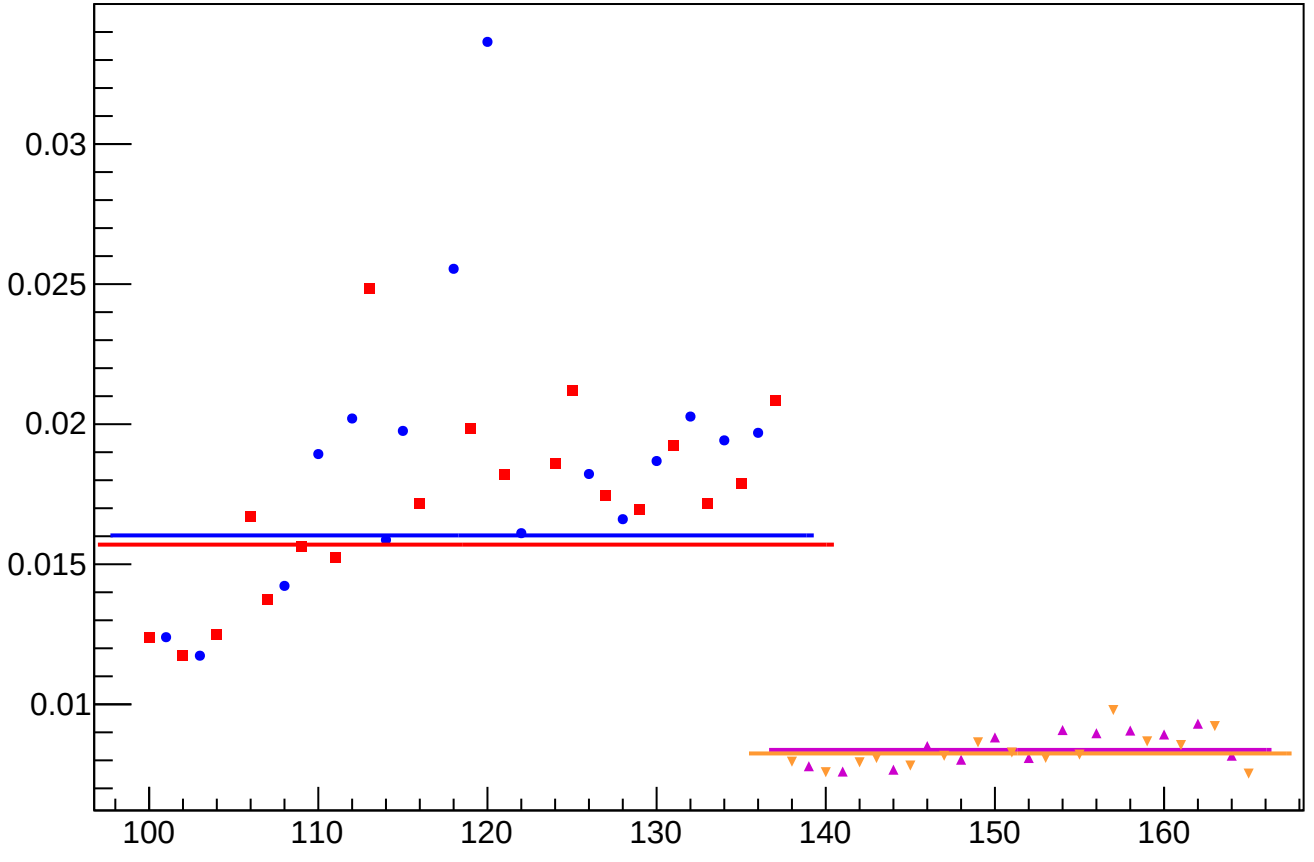
Left In: -2.995+/-0.000 χ^2/NDF:2987602124.6/12

+ sign -2.873+/-0.000 χ^2/NDF: 187191397837.9/30

All: -2.839+/-0.000 χ^2/NDF: 395552084963.8

- sign -2.802+/-0.000 χ^2/NDF: 207905041426.6/31

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:97468.6/14

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

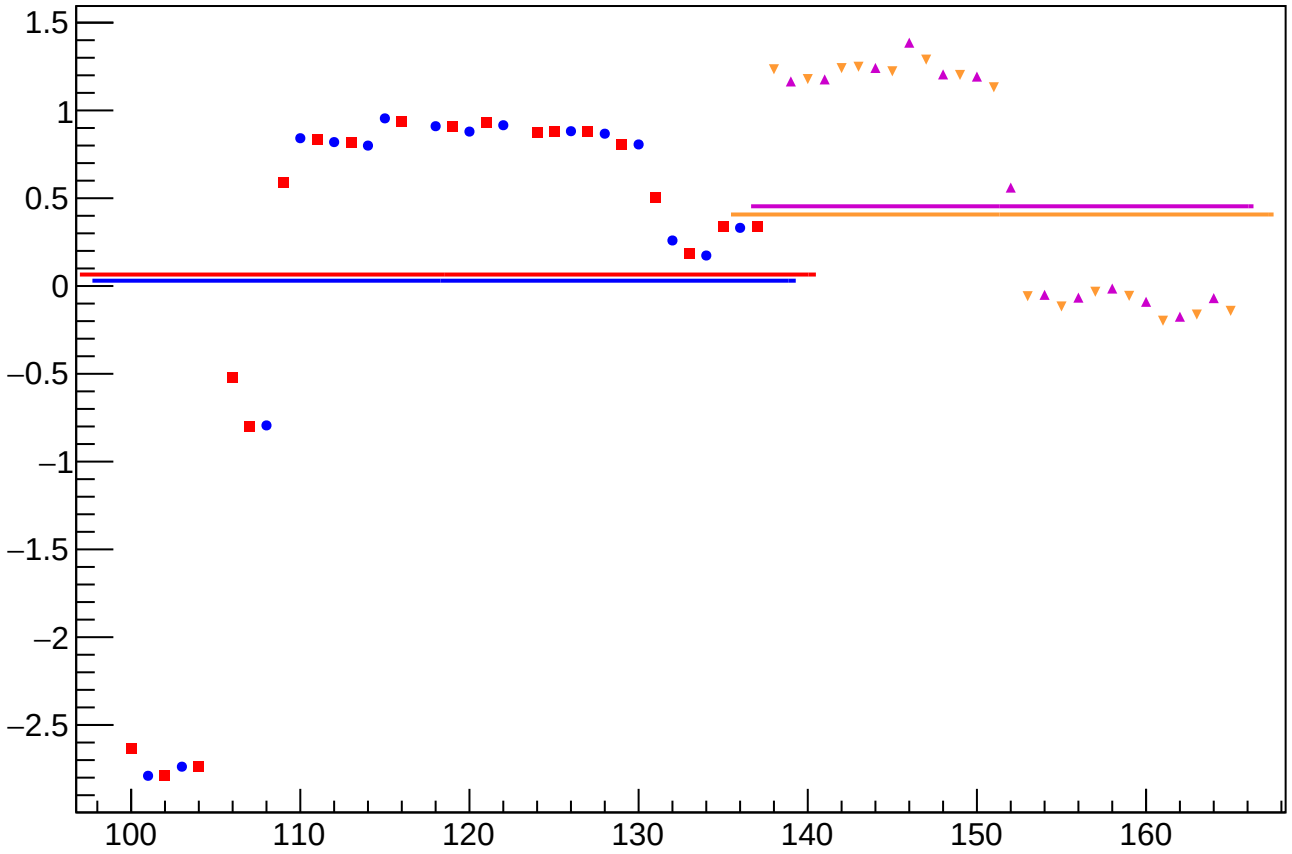
Left In: 0.008+/-0.000 χ^2/NDF:99496.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 3243737.2/30

All: 0.009+/-0.000 χ^2/NDF: 6220982.1/62

- sign 0.009+/-0.000 χ^2/NDF: 2963819.0/31

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.407+/-0.000 χ^2/NDF:86689705516.2/14

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

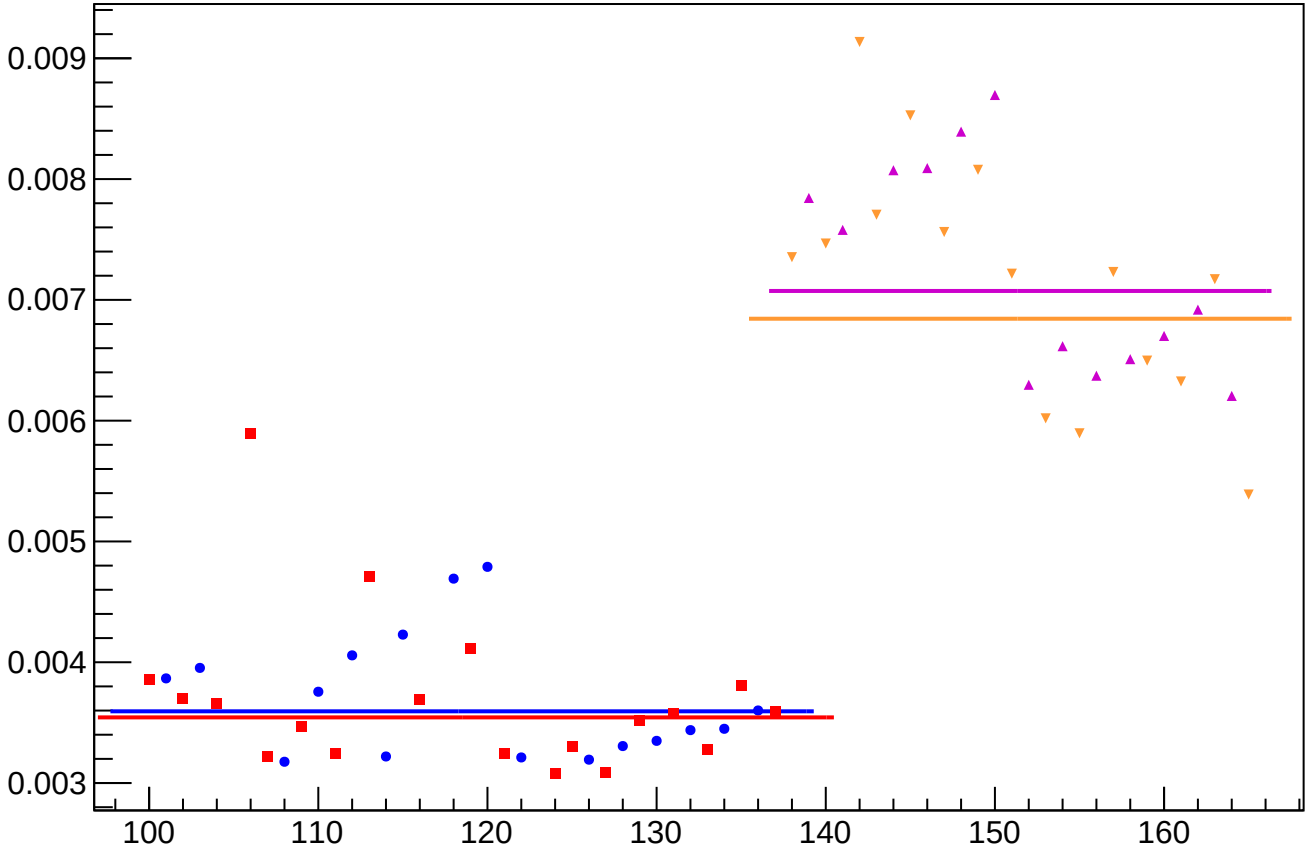
Left In: 0.454+/-0.000 χ^2/NDF:66631353544.9/12

+ sign 0.137+/-0.000 χ^2/NDF: 959345079003.2/30

All: 0.149+/-0.000 χ^2/NDF: 1982272236135.

- sign 0.160+/-0.000 χ^2/NDF: 1022731453600.2/31

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:343477.6/14

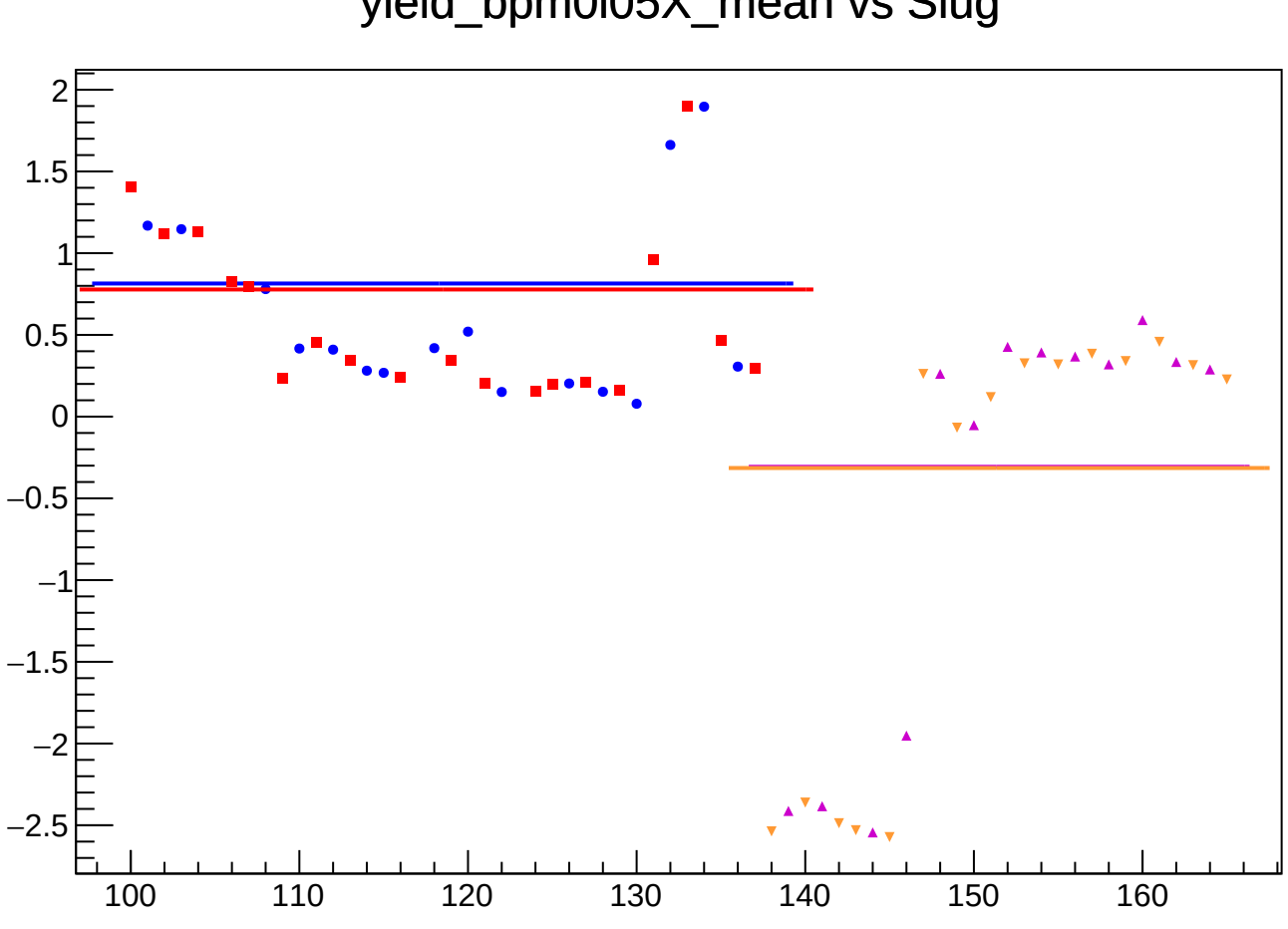
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:233058.3/12

+ sign 0.005+/-0.000 χ^2/NDF: 3640650.7/30

All: 0.004+/-0.000 χ^2/NDF: 7509138.3/62

- sign 0.004+/-0.000 χ^2/NDF: 3859669.0/31



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.314+/-0.000 χ^2/NDF:354216844764.3/14

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

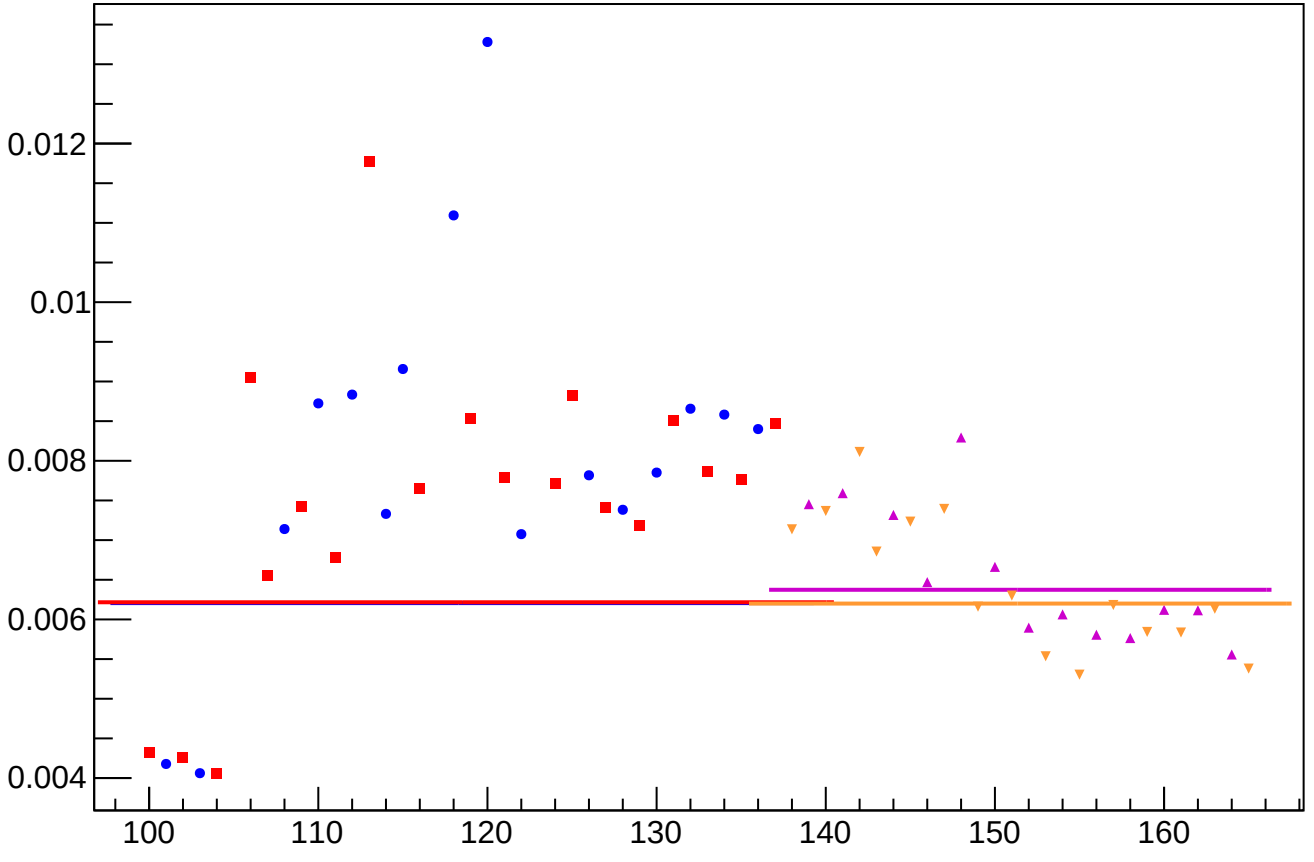
Left In: -0.307+/-0.000 χ^2/NDF:315314299026.8/12

+ sign 0.078+/-0.000 χ^2/NDF: 509635450924.9/30

All: 0.098+/-0.000 χ^2/NDF: 971054706689.6

- sign 0.119+/-0.000 χ^2/NDF: 461077098969.6/31

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:283932.7/14

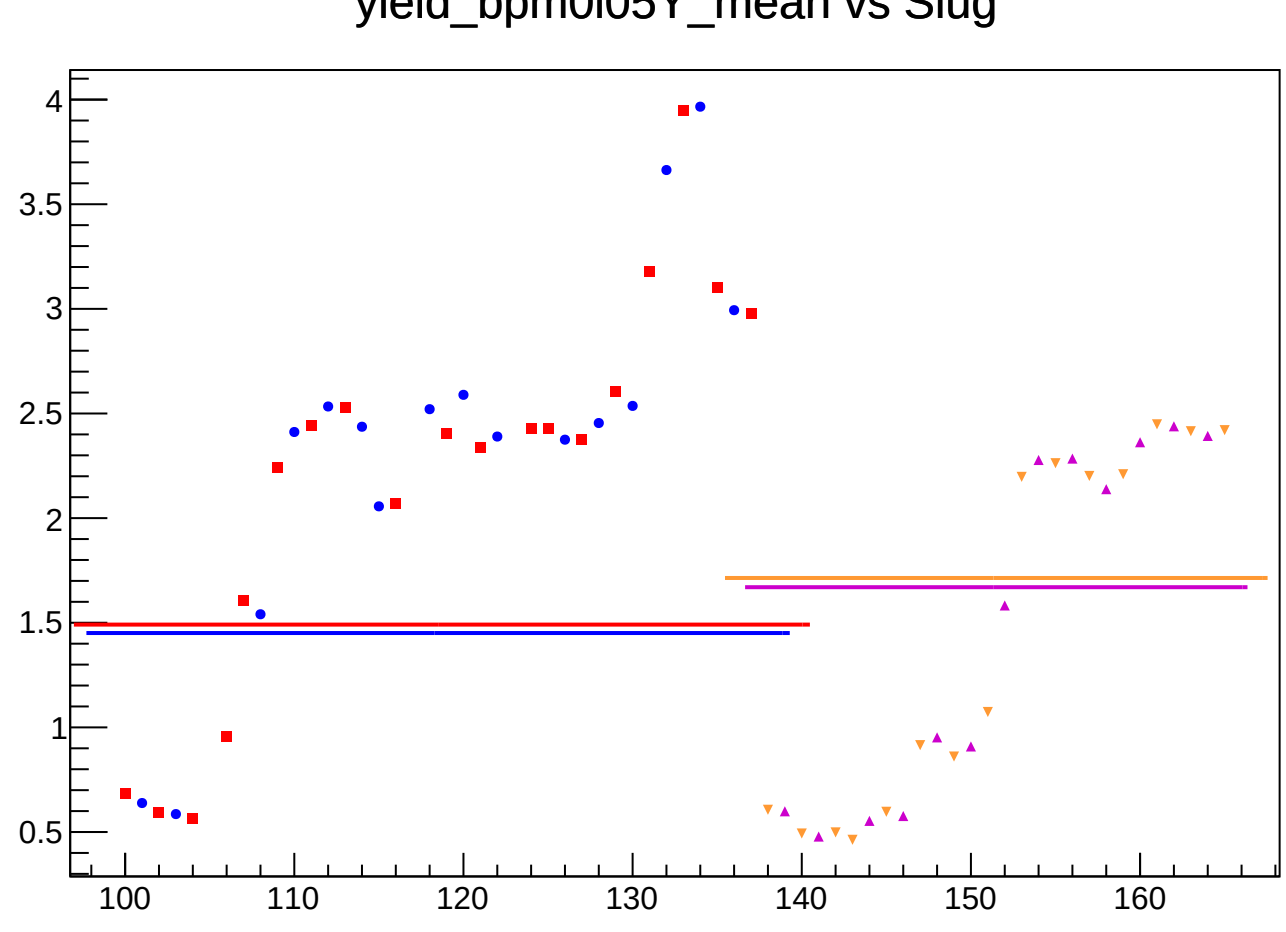
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:257240.0/12

+ sign 0.006+/-0.000 χ^2/NDF: 1707825.8/30

All: 0.006+/-0.000 χ^2/NDF: 3135778.0/62

- sign 0.006+/-0.000 χ^2/NDF: 1423042.3/31



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.714+/-0.000 χ^2/NDF:172468381376.6/14

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

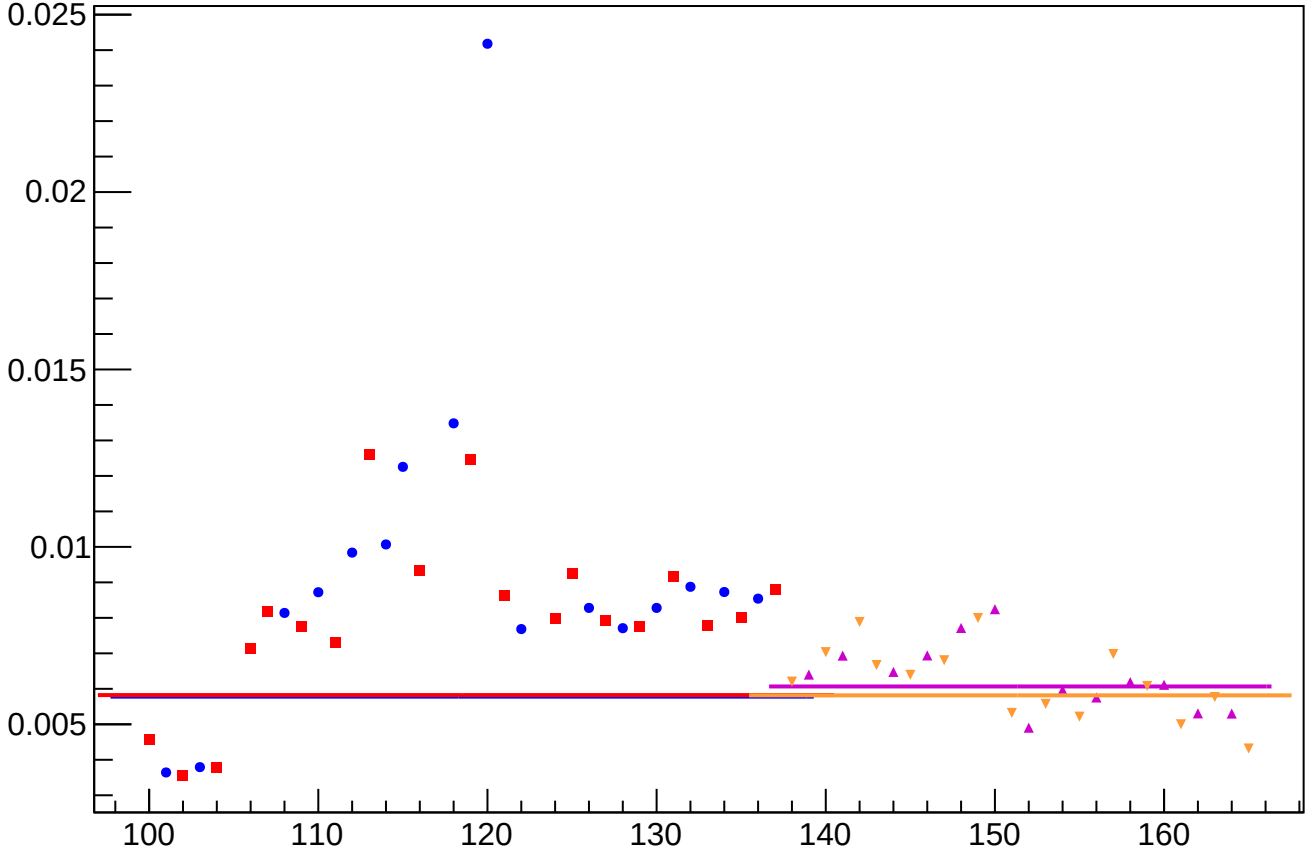
Left In: 1.670+/-0.000 χ^2/NDF:139559153711.0/12

+ sign 1.621+/-0.000 χ^2/NDF: 348820435817.6/30

All: 1.610+/-0.000 χ^2/NDF: 678512336487.3

- sign 1.597+/-0.000 χ^2/NDF: 329574336961.3/31

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:485966.1/14

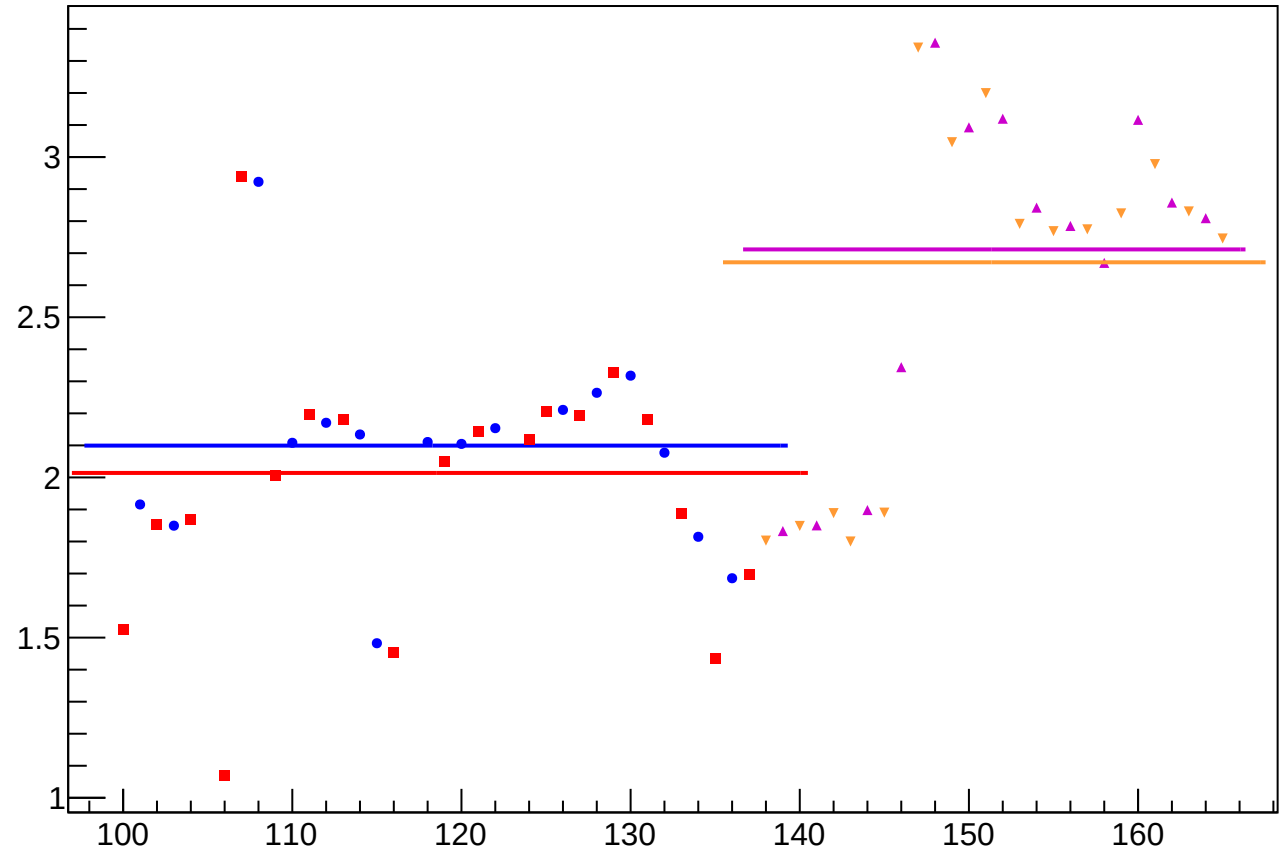
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:344094.6/12

+ sign 0.006+/-0.000 χ^2/NDF: 2700098.9/30

All: 0.006+/-0.000 χ^2/NDF: 5022379.7/62

- sign 0.006+/-0.000 χ^2/NDF: 2311160.8/31



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.671+/-0.000 χ^2/NDF:42891644822.9/14

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

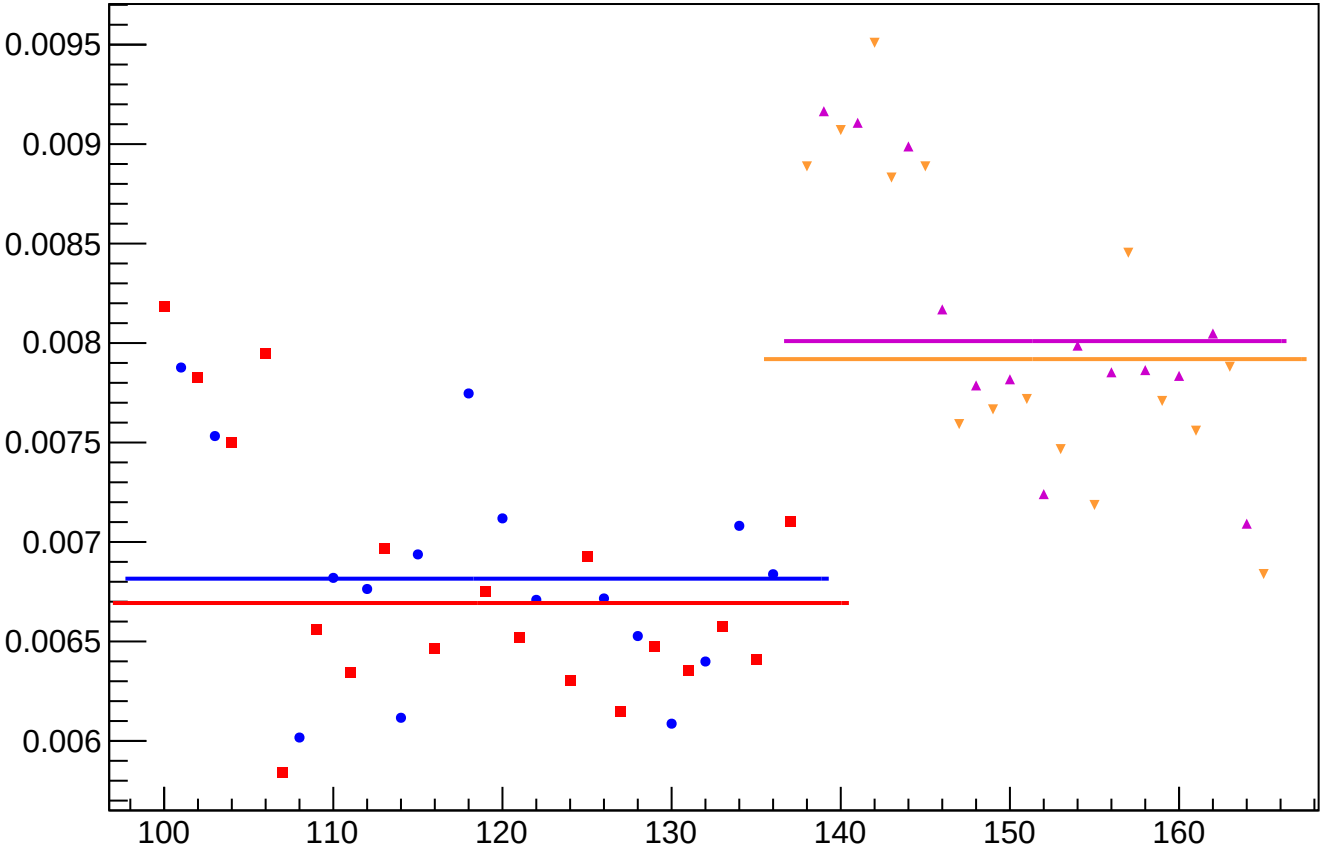
Left In: 2.712+/-0.000 χ^2/NDF:36162298484.5/12

+ sign 2.410+/-0.000 χ^2/NDF: 82949929951.7/30

All: 2.387+/-0.000 χ^2/NDF: 177975997544.9

- sign 2.364+/-0.000 χ^2/NDF: 94683117778.5/31

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:165858.2/14

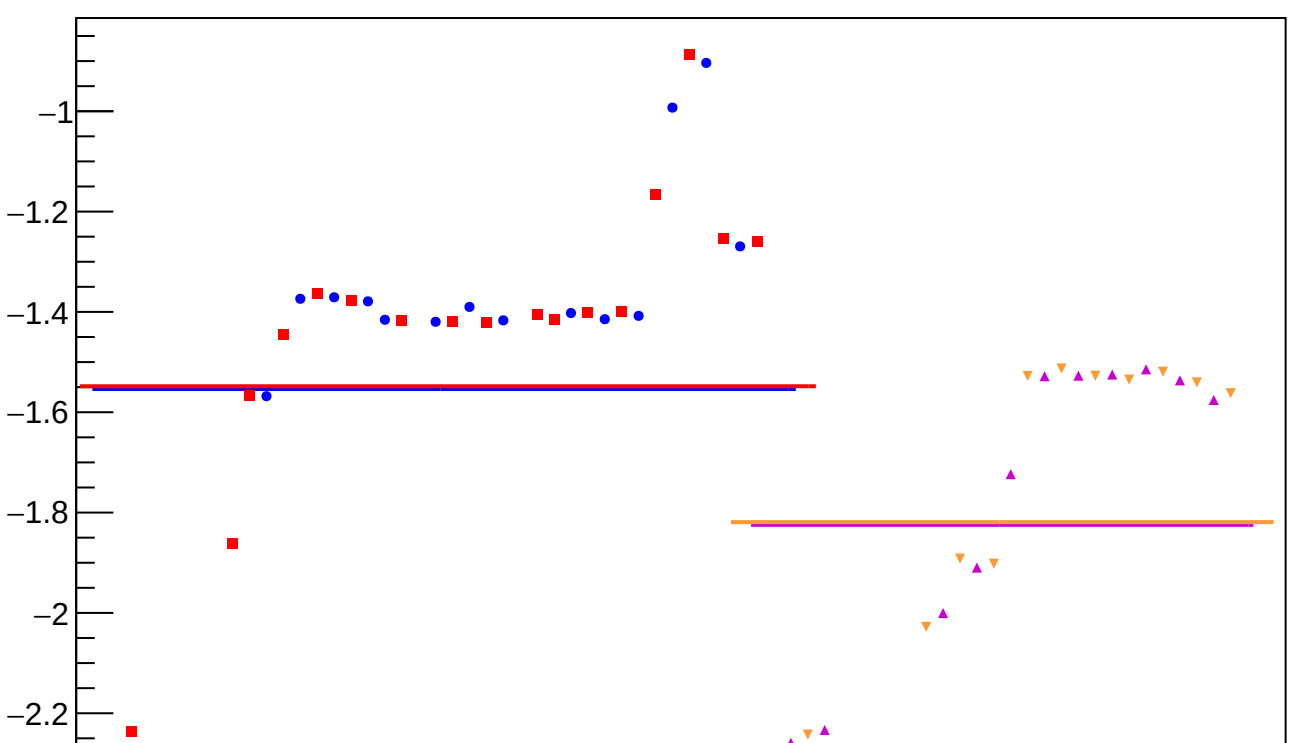
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:112294.2/12

+ sign 0.007+/-0.000 χ^2/NDF: 447090.0/30

All: 0.007+/-0.000 χ^2/NDF: 925544.2/62

- sign 0.007+/-0.000 χ^2/NDF: 477236.2/31



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.819+/-0.000 χ^2/NDF:123242623331.4/14

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

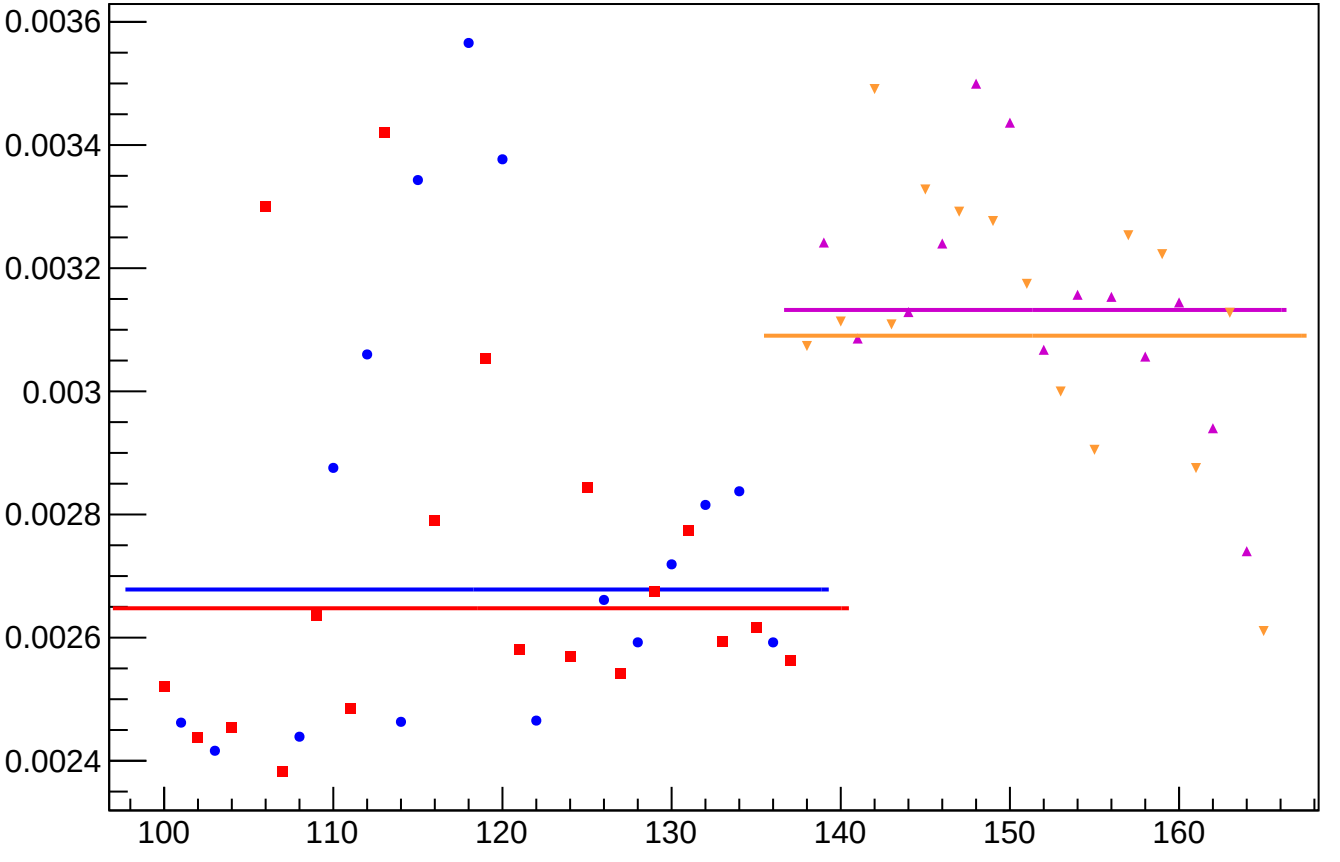
Left In: -1.824+/-0.000 χ^2/NDF:108034957570.4/12

+ sign -1.699+/-0.000 χ^2/NDF: 334417320905.5/30

All: -1.693+/-0.000 χ^2/NDF: 655981245156.2

- sign -1.688+/-0.000 χ^2/NDF: 321452311825.0/31

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:93107.3/14

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

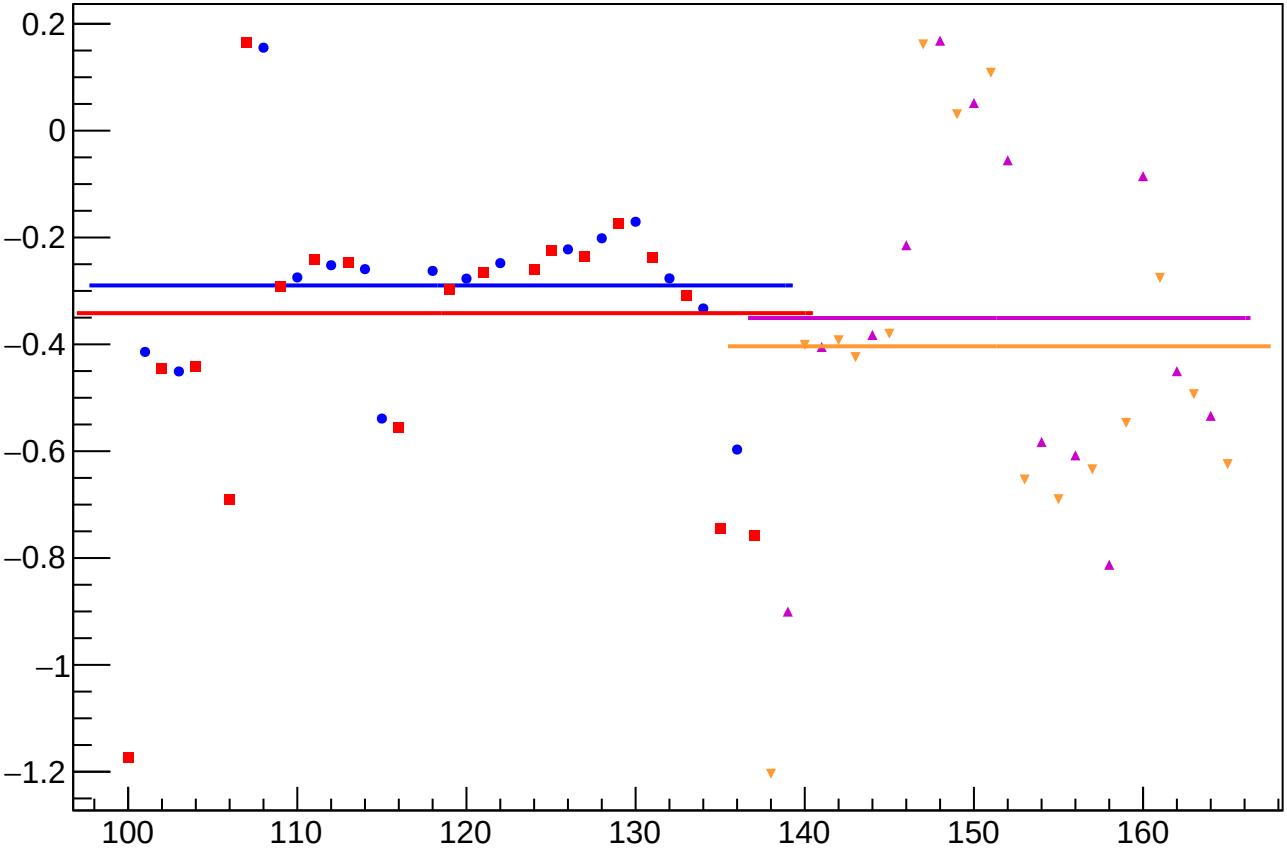
Left In: 0.003+/-0.000 χ^2/NDF:66122.9/12

+ sign 0.003+/-0.000 χ^2/NDF: 424639.1/30

All: 0.003+/-0.000 χ^2/NDF: 845020.2/62

- sign 0.003+/-0.000 χ^2/NDF: 420168.2/31

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.404+/-0.000 χ^2/NDF:7262431346.6/14

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

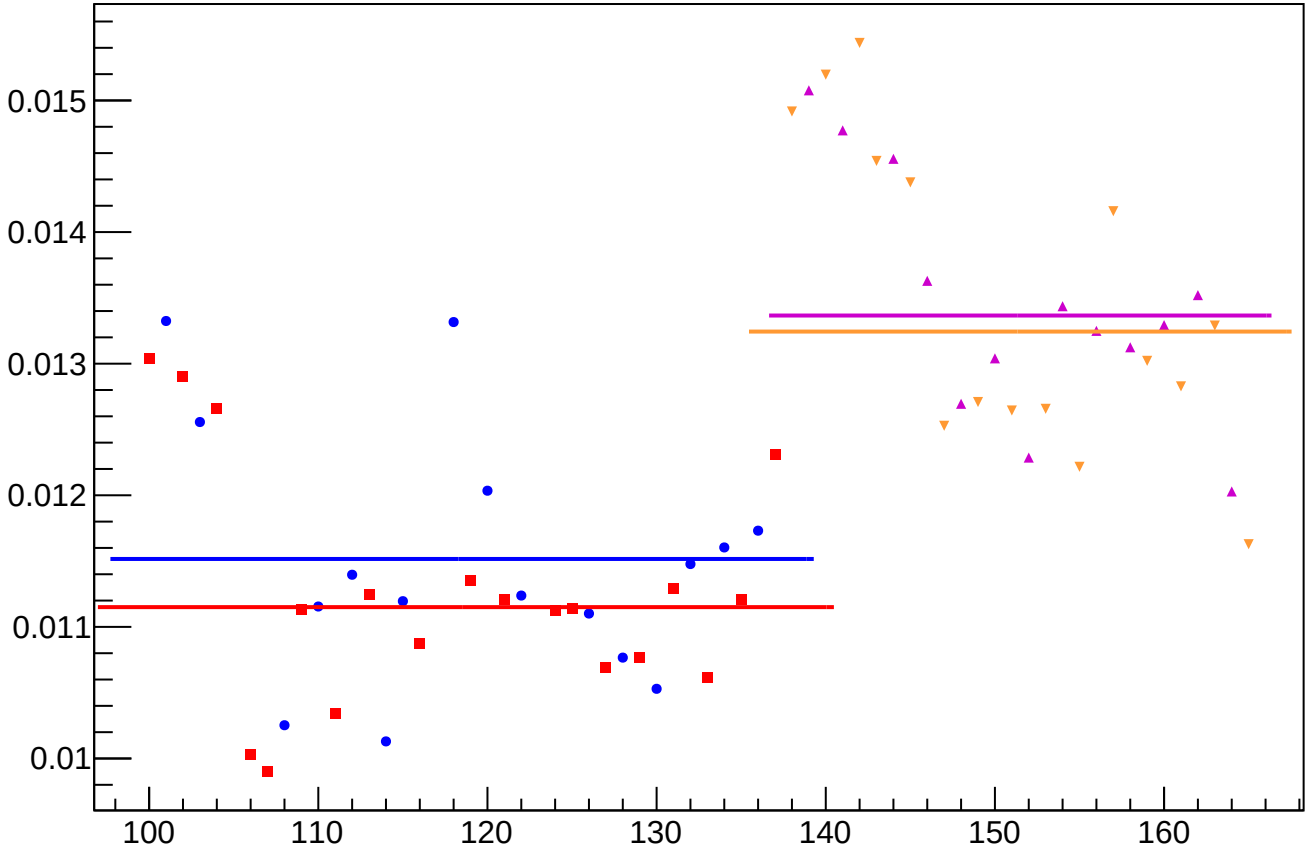
Left In: -0.351+/-0.000 χ^2/NDF:5824857362.3/12

+ sign -0.352+/-0.000 χ^2/NDF: 9277368722.1/30

All: -0.349+/-0.000 χ^2/NDF: 17715895545.6/

- sign -0.346+/-0.000 χ^2/NDF: 8436535829.9/31

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:137804.2/14

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

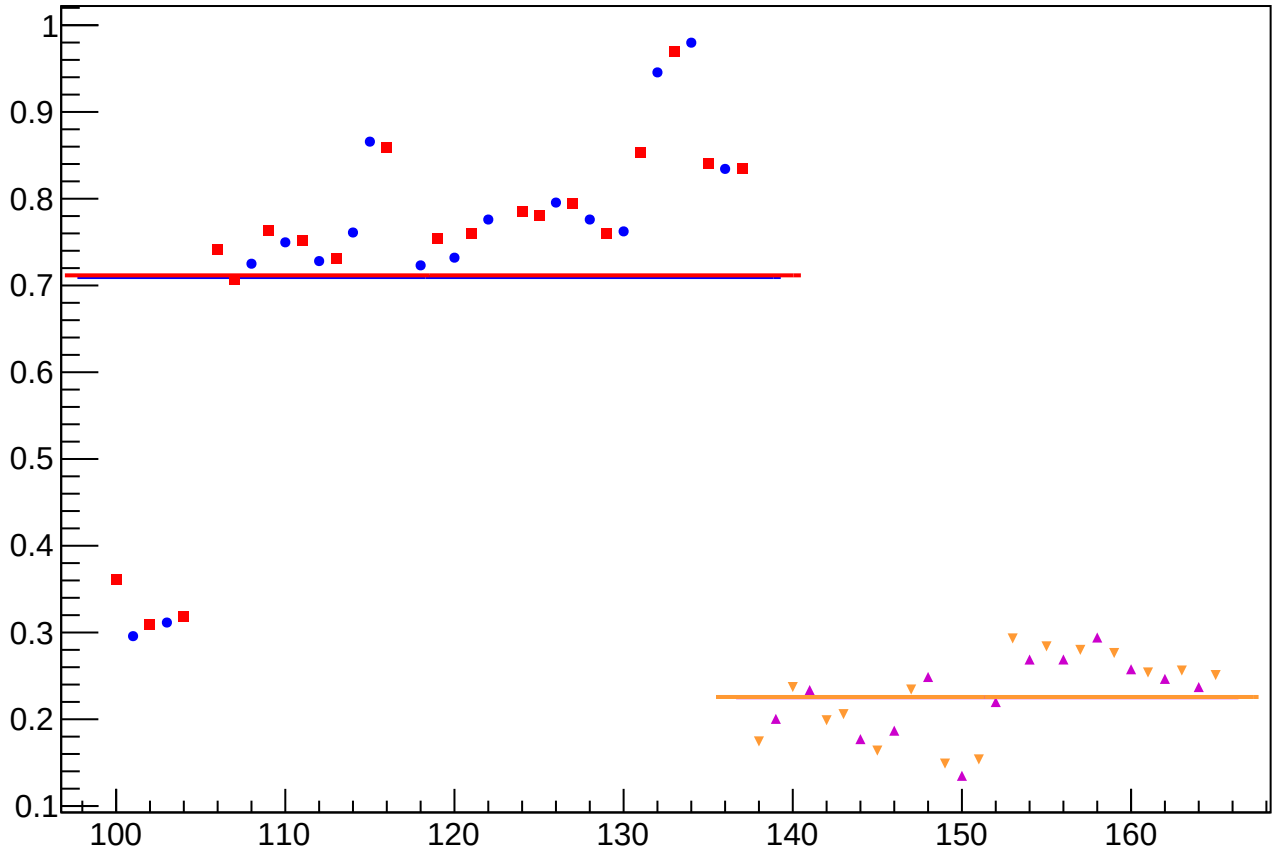
Left In: 0.013+/-0.000 χ^2/NDF:80707.0/12

+ sign 0.012+/-0.000 χ^2/NDF: 392170.2/30

All: 0.012+/-0.000 χ^2/NDF: 832904.0/62

- sign 0.012+/-0.000 χ^2/NDF: 435620.6/31

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.226+/-0.000 χ^2/NDF:5585895936.5/14

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

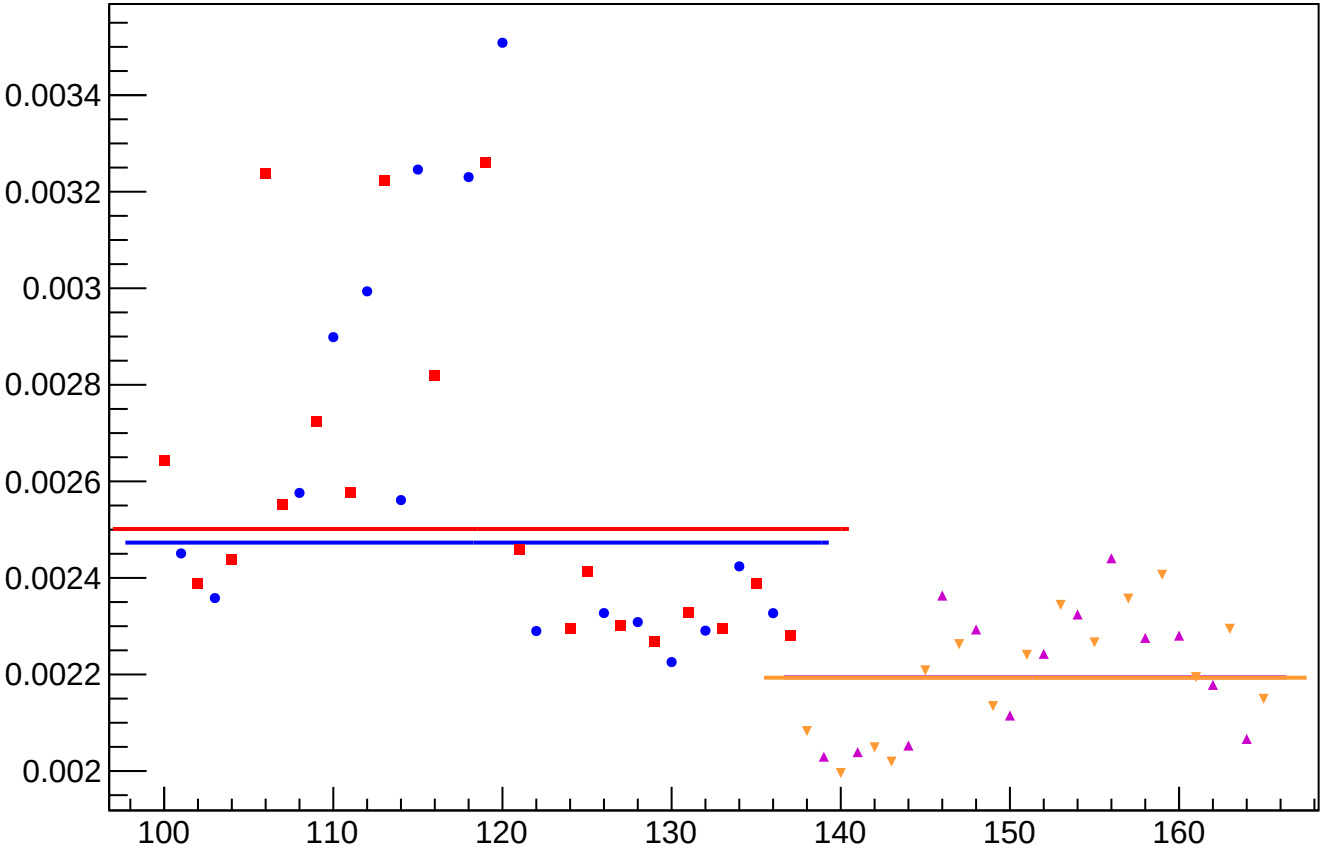
Left In: 0.225+/-0.000 χ^2/NDF:4223844476.3/12

+ sign 0.378+/-0.000 χ^2/NDF: 233303346467.0/30

All: 0.383+/-0.000 χ^2/NDF: 459001355302.8

- sign 0.388+/-0.000 χ^2/NDF: 225550776928.8/31

yield_bpm0l07Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:74137.3/14

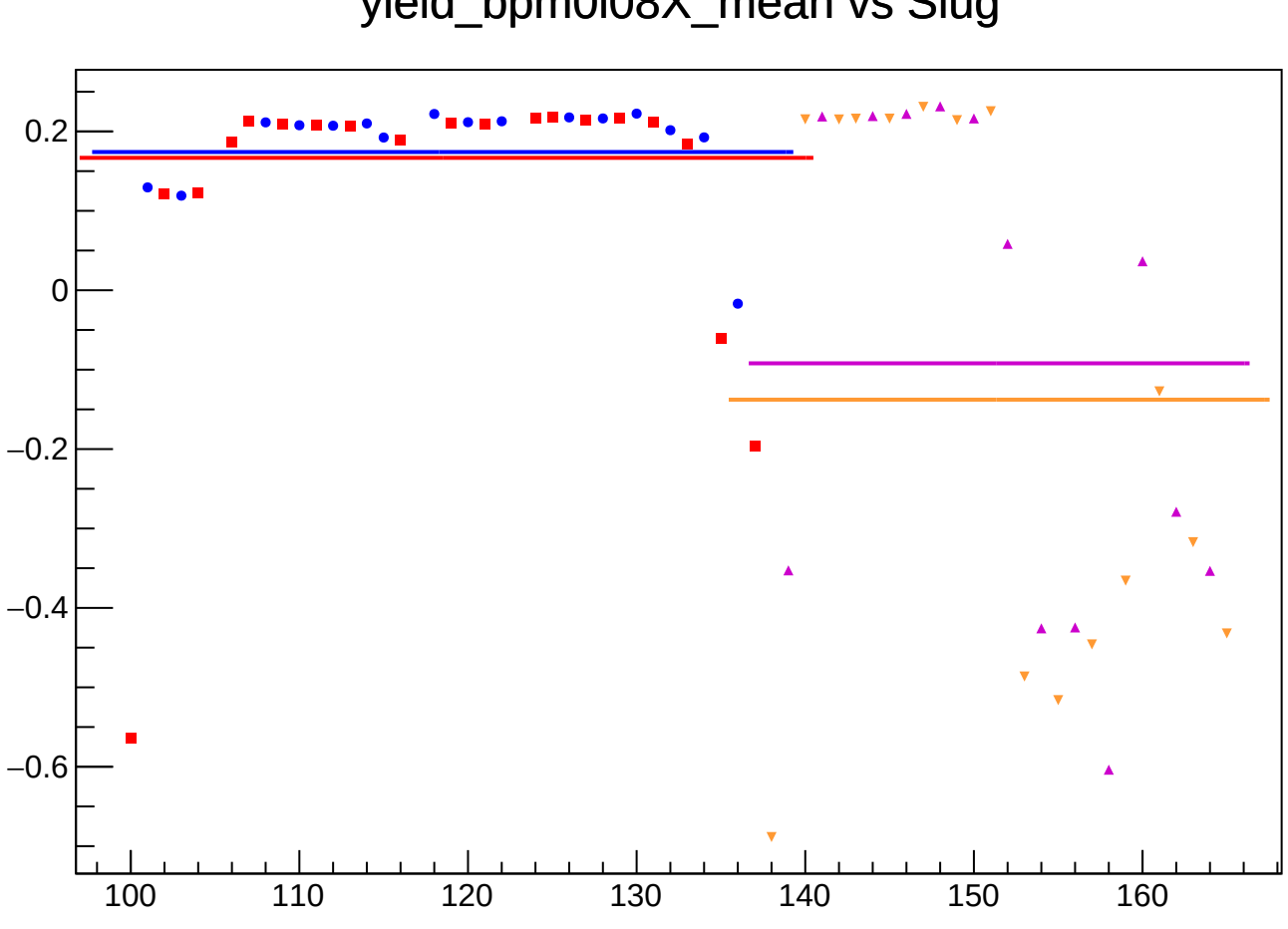
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:76473.4/12

+ sign 0.002+/-0.000 χ^2/NDF: 401749.4/30

All: 0.002+/-0.000 χ^2/NDF: 797843.1/62

- sign 0.002+/-0.000 χ^2/NDF: 395307.9/31



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.138+/-0.000 χ^2/NDF:8486480811.6/14

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

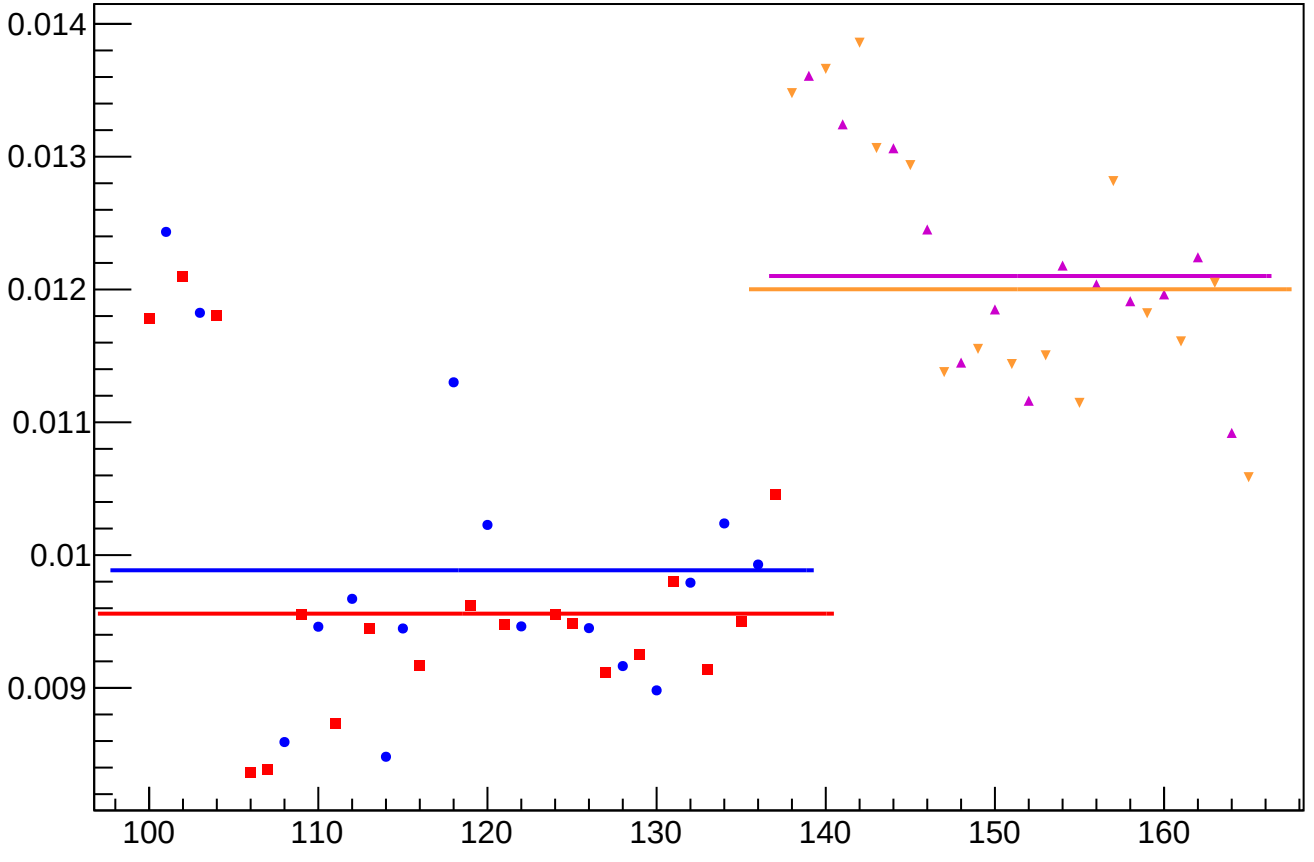
Left In: -0.092+/-0.000 χ^2/NDF:6491491859.5/12

+ sign 0.011+/-0.000 χ^2/NDF: 12453873235.7/30

All: 0.028+/-0.000 χ^2/NDF: 22410900274.7/

- sign 0.045+/-0.000 χ^2/NDF: 9873562268.6/31

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:124647.7/14

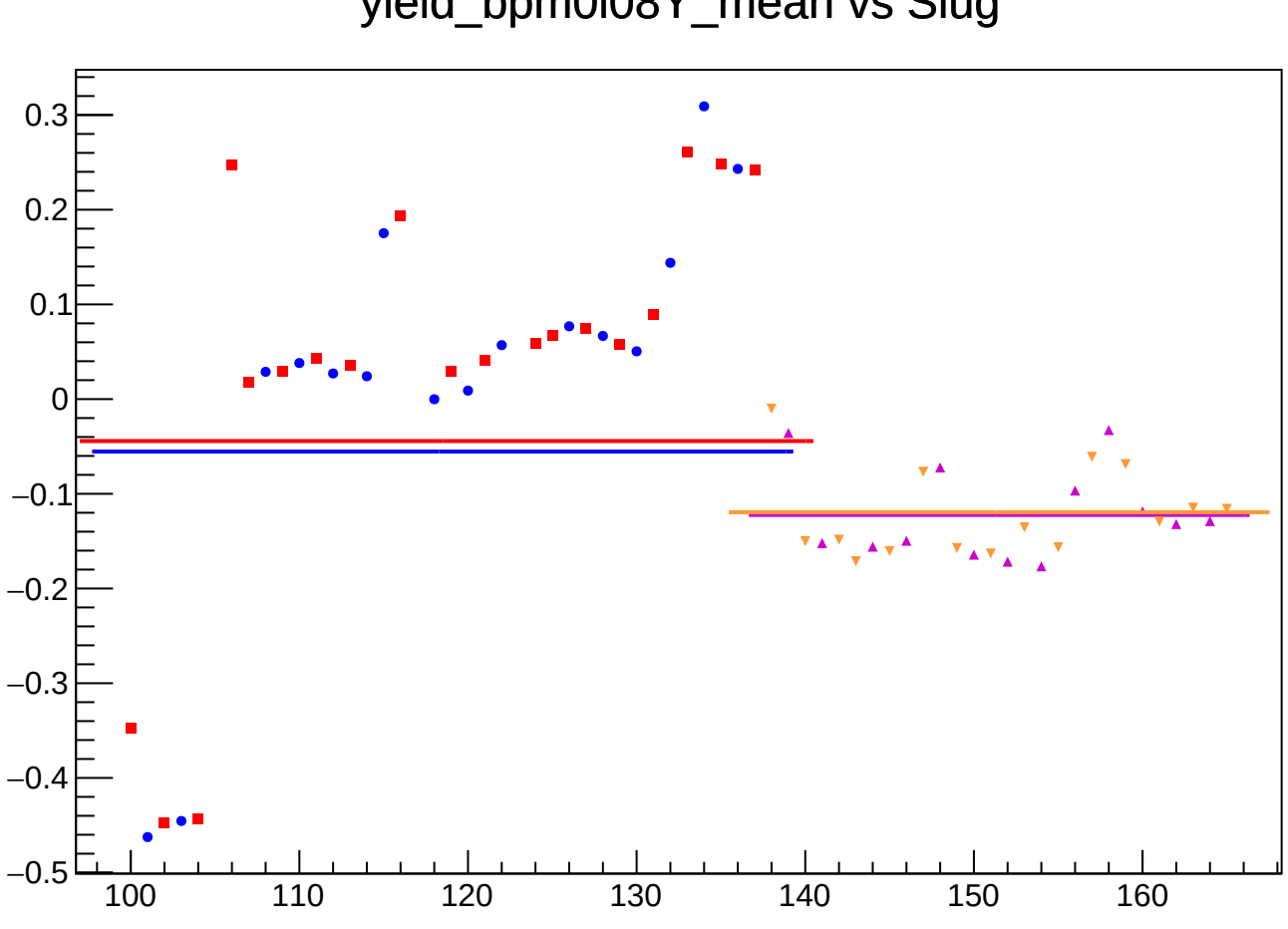
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:74399.9/12

+ sign 0.011+/-0.000 χ^2/NDF: 601560.6/30

All: 0.011+/-0.000 χ^2/NDF: 1300592.1/62

- sign 0.011+/-0.000 χ^2/NDF: 690978.9/31



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.119+/-0.000 χ^2/NDF:2711965170.8/14

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

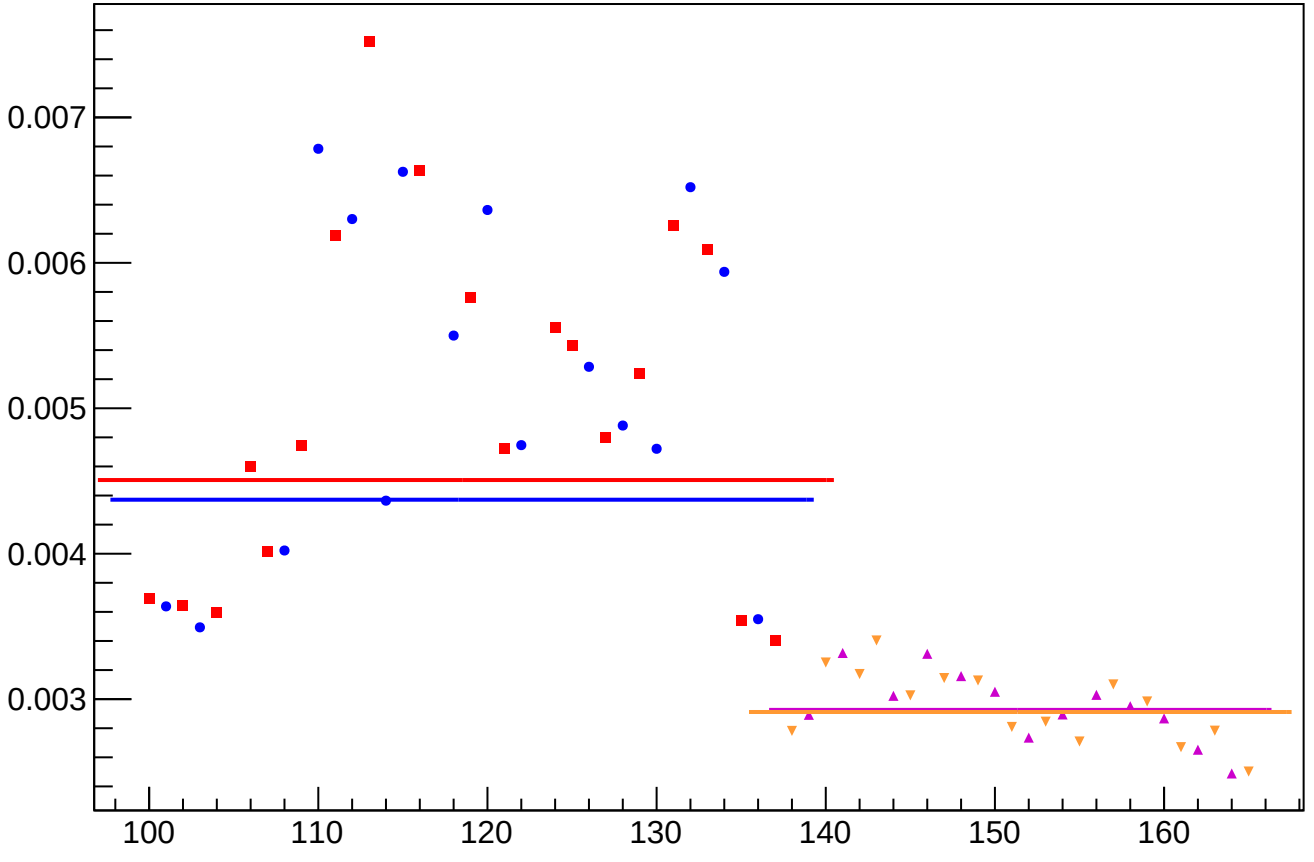
Left In: -0.122+/-0.000 χ^2/NDF:2738486736.5/12

+ sign -0.107+/-0.000 χ^2/NDF: 27849624679.2/30

All: -0.107+/-0.000 χ^2/NDF: 54245395808.0/

- sign -0.106+/-0.000 χ^2/NDF: 26395385749.1/31

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:141349.9/14

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

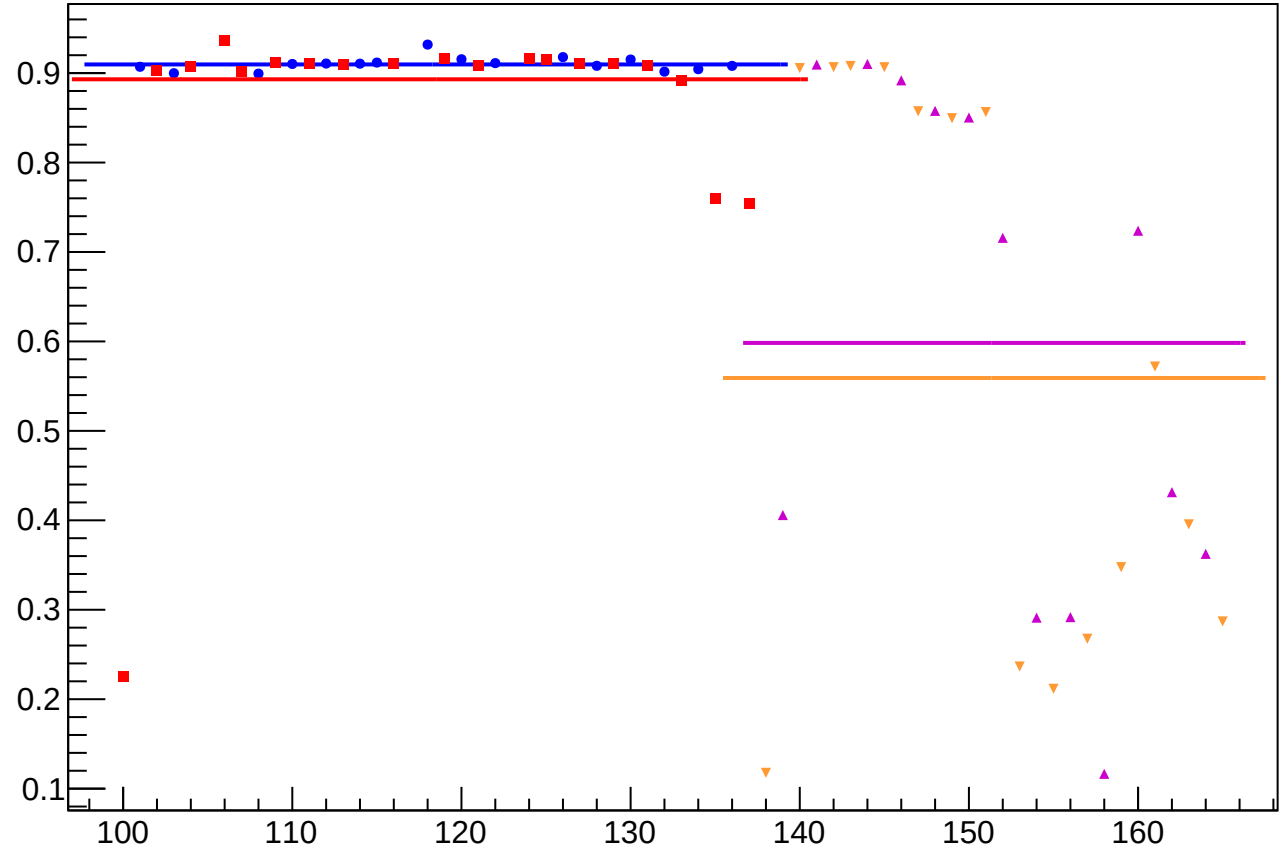
Left In: 0.003+/-0.000 χ^2/NDF:121296.2/12

+ sign 0.003+/-0.000 χ^2/NDF: 1896290.4/30

All: 0.003+/-0.000 χ^2/NDF: 3974058.0/62

- sign 0.003+/-0.000 χ^2/NDF: 2072868.6/31

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.559+/-0.000 χ^2/NDF:7208754223.4/14

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

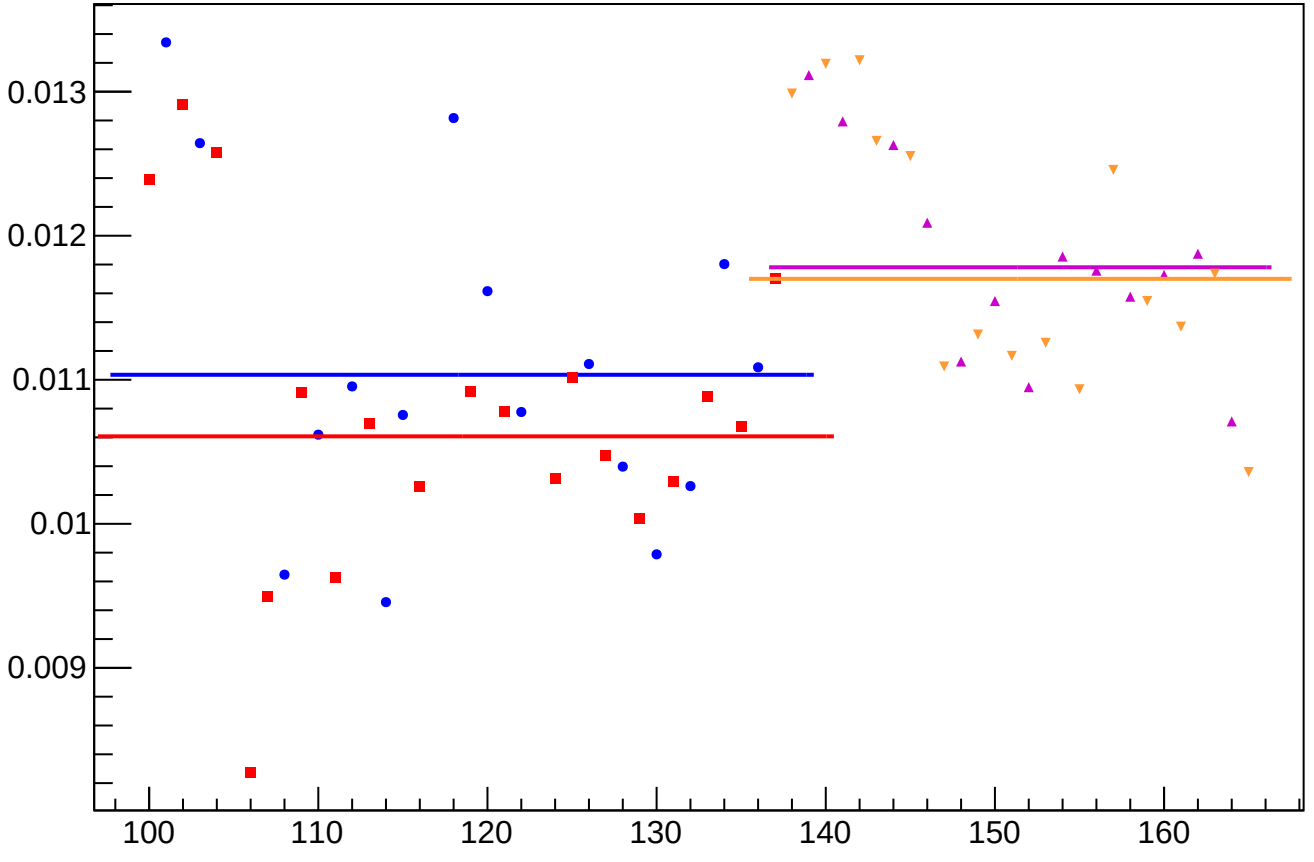
Left In: 0.598+/-0.000 χ^2/NDF:5703541805.9/12

+ sign 0.703+/-0.000 χ^2/NDF: 11306183937.1/30

All: 0.719+/-0.000 χ^2/NDF: 20403300147.0/6

- sign 0.734+/-0.000 χ^2/NDF: 9027479033.3/31

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:108113.3/14

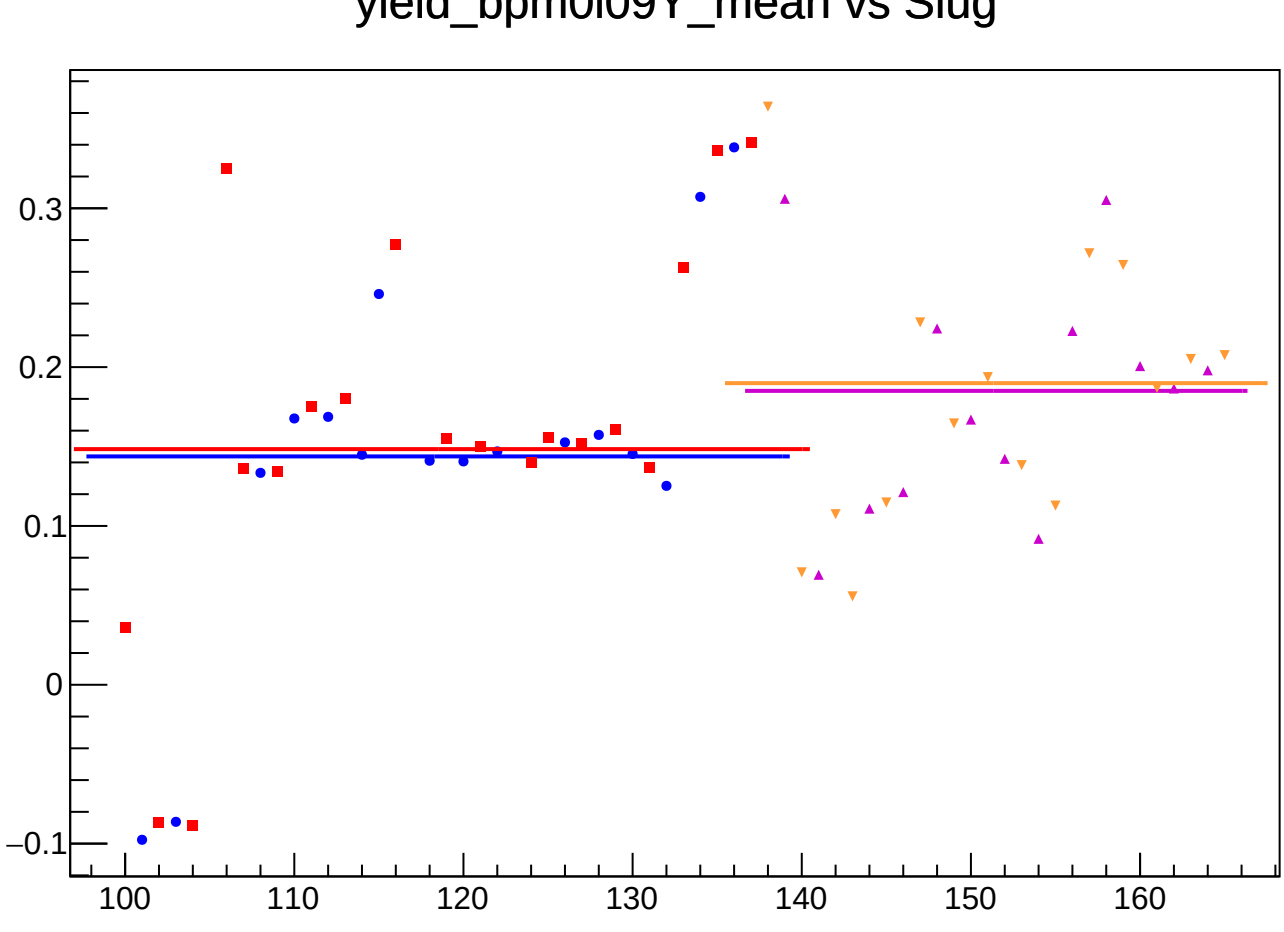
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:64071.1/12

+ sign 0.011+/-0.000 χ^2/NDF: 268022.8/30

All: 0.011+/-0.000 χ^2/NDF: 575967.1/62

- sign 0.011+/-0.000 χ^2/NDF: 303021.4/31



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.190+/-0.000 χ^2/NDF:5900097154.3/14

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

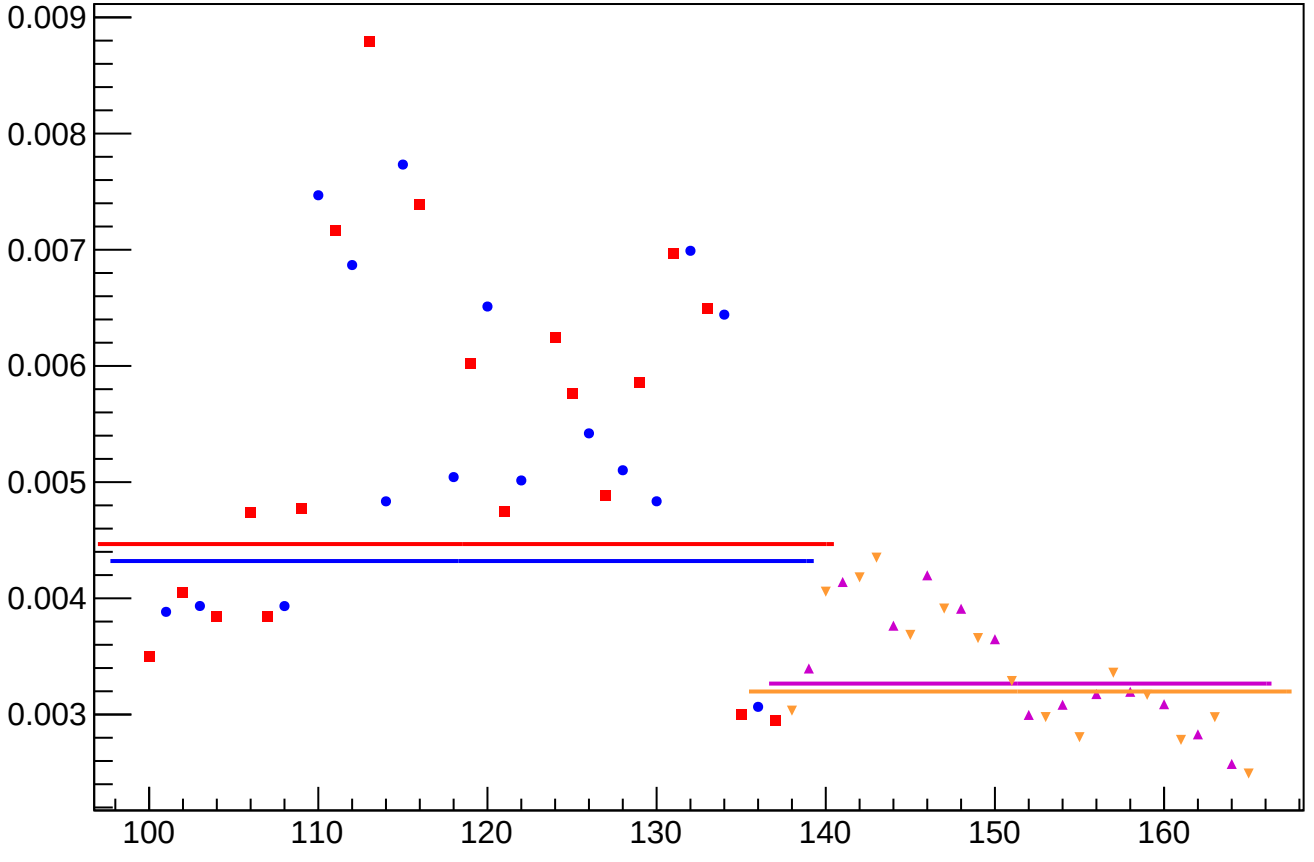
Left In: 0.185+/-0.000 χ^2/NDF:4403906918.7/12

+ sign 0.179+/-0.000 χ^2/NDF: 14271497716.1/30

All: 0.178+/-0.000 χ^2/NDF: 26113578194.5/6

- sign 0.176+/-0.000 χ^2/NDF: 11835219146.6/31

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:492772.2/14

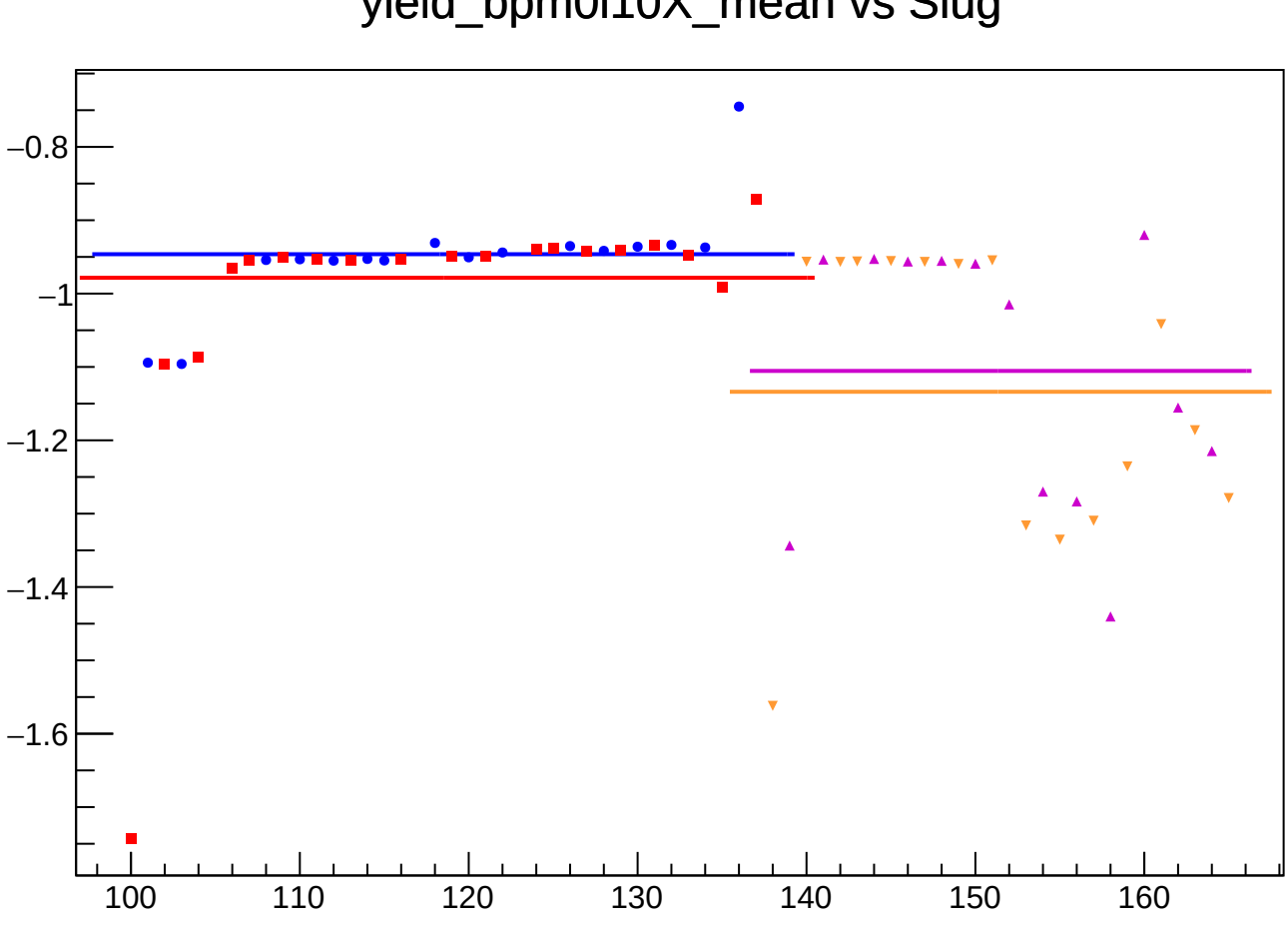
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:379257.5/12

+ sign 0.003+/-0.000 χ^2/NDF: 1968314.1/30

All: 0.004+/-0.000 χ^2/NDF: 4096835.3/62

- sign 0.004+/-0.000 χ^2/NDF: 2114641.2/31



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.134+/-0.000 χ^2/NDF:3536256709.7/14

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

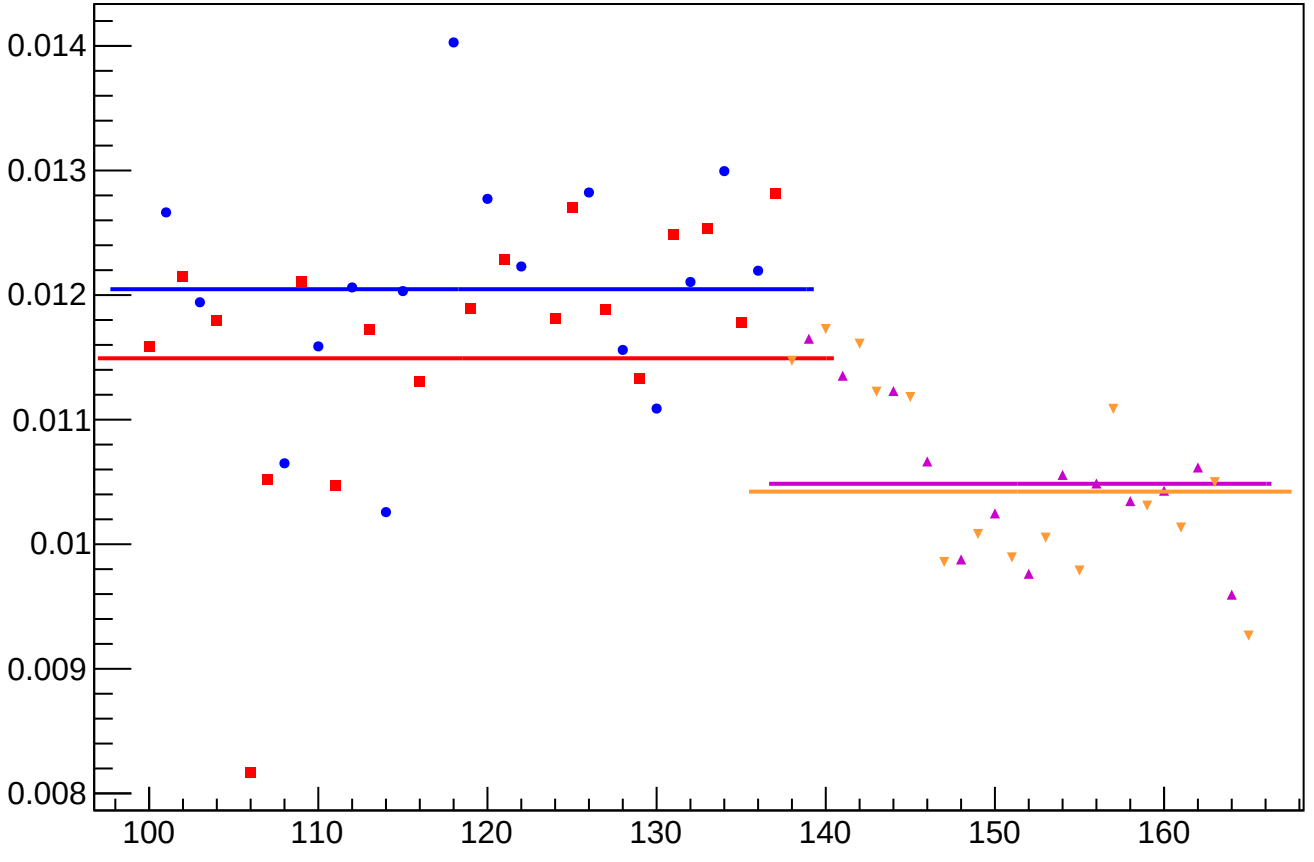
Left In: -1.105+/-0.000 χ^2/NDF:2909341666.3/12

+ sign -1.075+/-0.000 χ^2/NDF: 5081730638.9/30

All: -1.067+/-0.000 χ^2/NDF: 9026596576.9/6

- sign -1.059+/-0.000 χ^2/NDF: 3926728132.5/31

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:101070.5/14

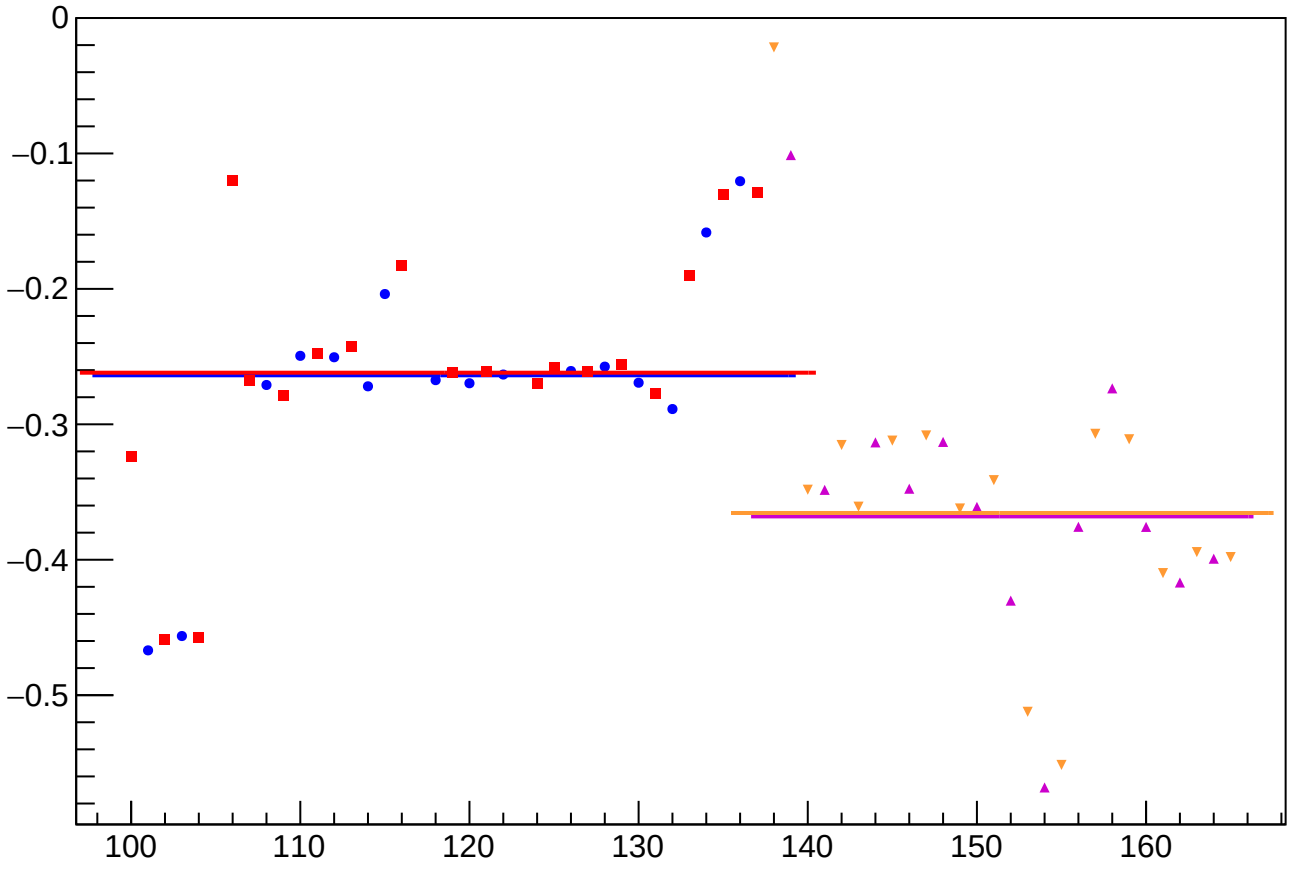
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:60951.9/12

+ sign 0.011+/-0.000 χ^2/NDF: 334867.8/30

All: 0.011+/-0.000 χ^2/NDF: 618148.1/62

- sign 0.011+/-0.000 χ^2/NDF: 282272.2/31



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.365+/-0.000 χ^2/NDF:11658269426.1/14

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

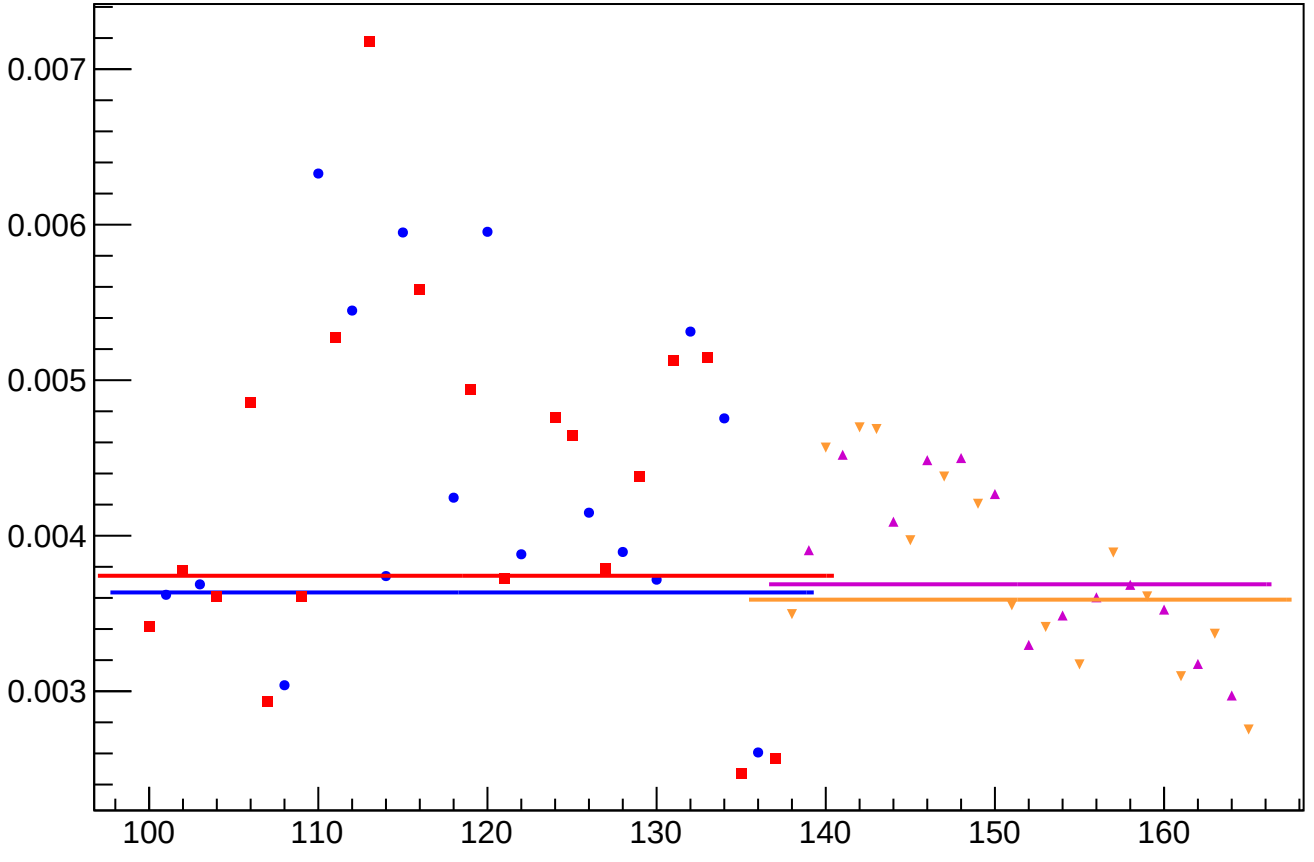
Left In: -0.368+/-0.000 χ^2/NDF:7543388795.1/12

+ sign -0.330+/-0.000 χ^2/NDF: 20700019047.1/30

All: -0.329+/-0.000 χ^2/NDF: 36517606825.3/

- sign -0.328+/-0.000 χ^2/NDF: 15815658051.7/31

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:470139.2/14

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

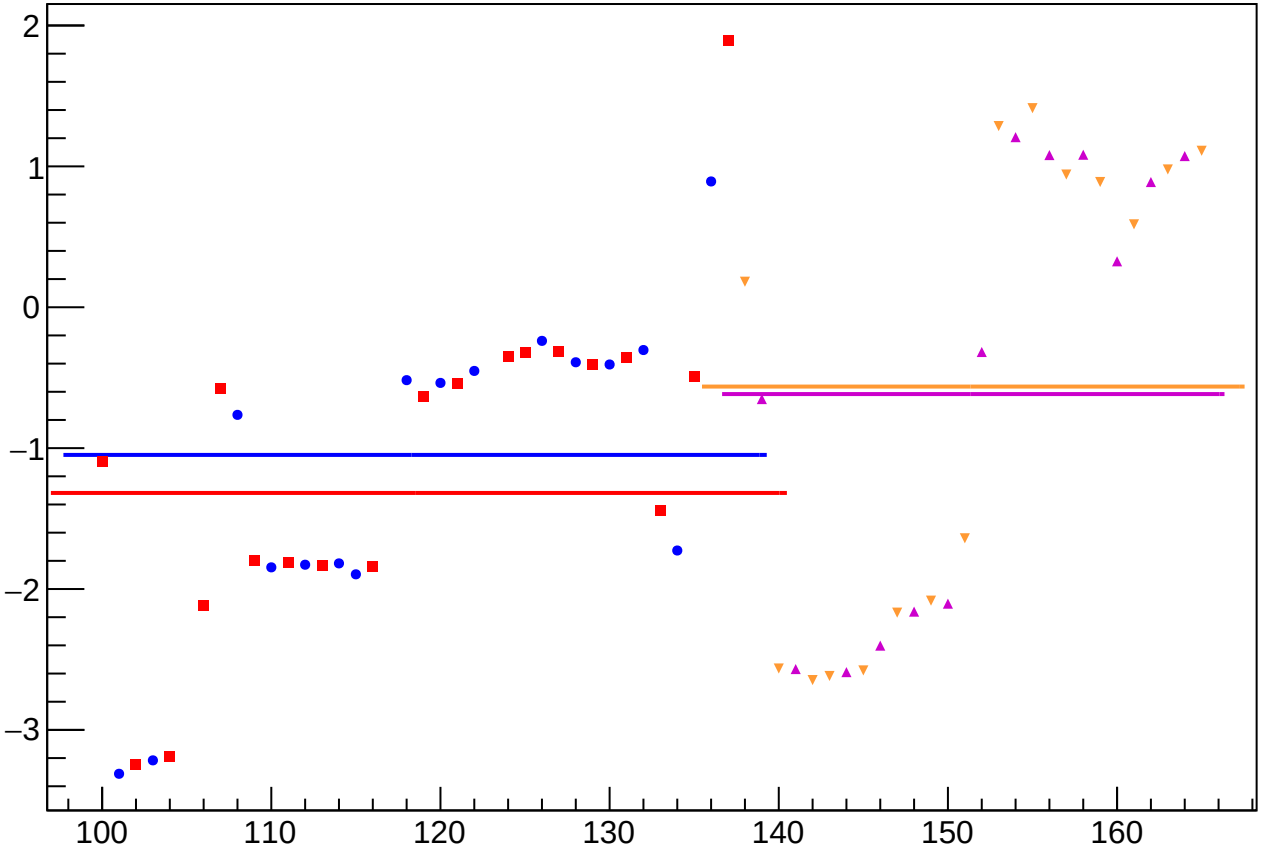
Left In: 0.004+/-0.000 χ^2/NDF:333822.8/12

+ sign 0.004+/-0.000 χ^2/NDF: 1199957.8/30

All: 0.004+/-0.000 χ^2/NDF: 2442294.9/62

- sign 0.004+/-0.000 χ^2/NDF: 1229626.8/31

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.563+/-0.000 χ^2/NDF:5482126473.9/14

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

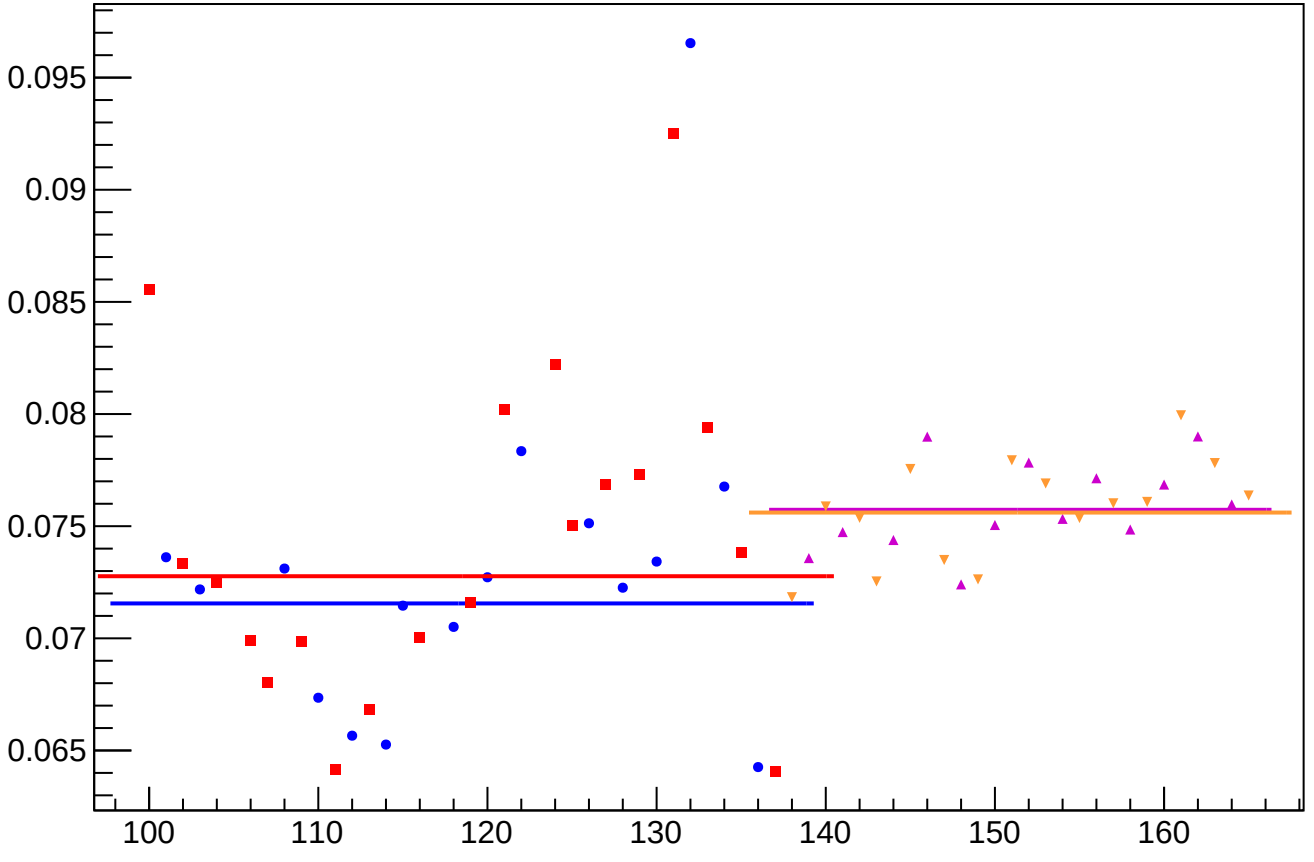
Left In: -0.616+/-0.000 χ^2/NDF:4421241598.5/12

+ sign -0.758+/-0.000 χ^2/NDF: 8021559622.1/30

All: -0.834+/-0.000 χ^2/NDF: 14720334063.3/

- sign -0.913+/-0.000 χ^2/NDF: 6659042602.8/31

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.076+/-0.000 χ^2/NDF:20580.3/14

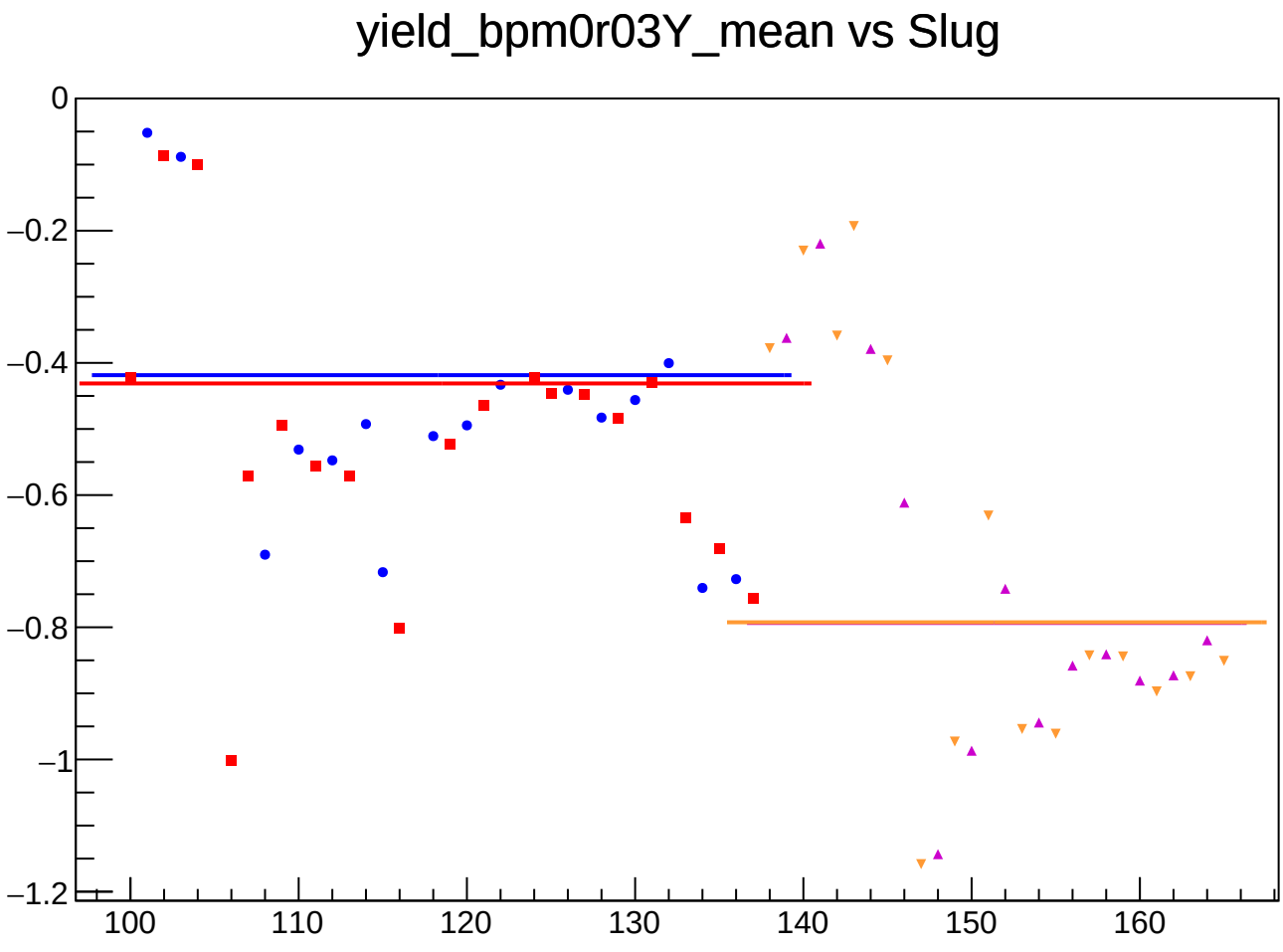
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:13892.3/12

+ sign 0.074+/-0.000 χ^2/NDF: 148664.1/30

All: 0.074+/-0.000 χ^2/NDF: 274146.0/62

- sign 0.074+/-0.000 χ^2/NDF: 124645.2/31



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.792+/-0.000 χ^2/NDF:13897466207.1/14

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

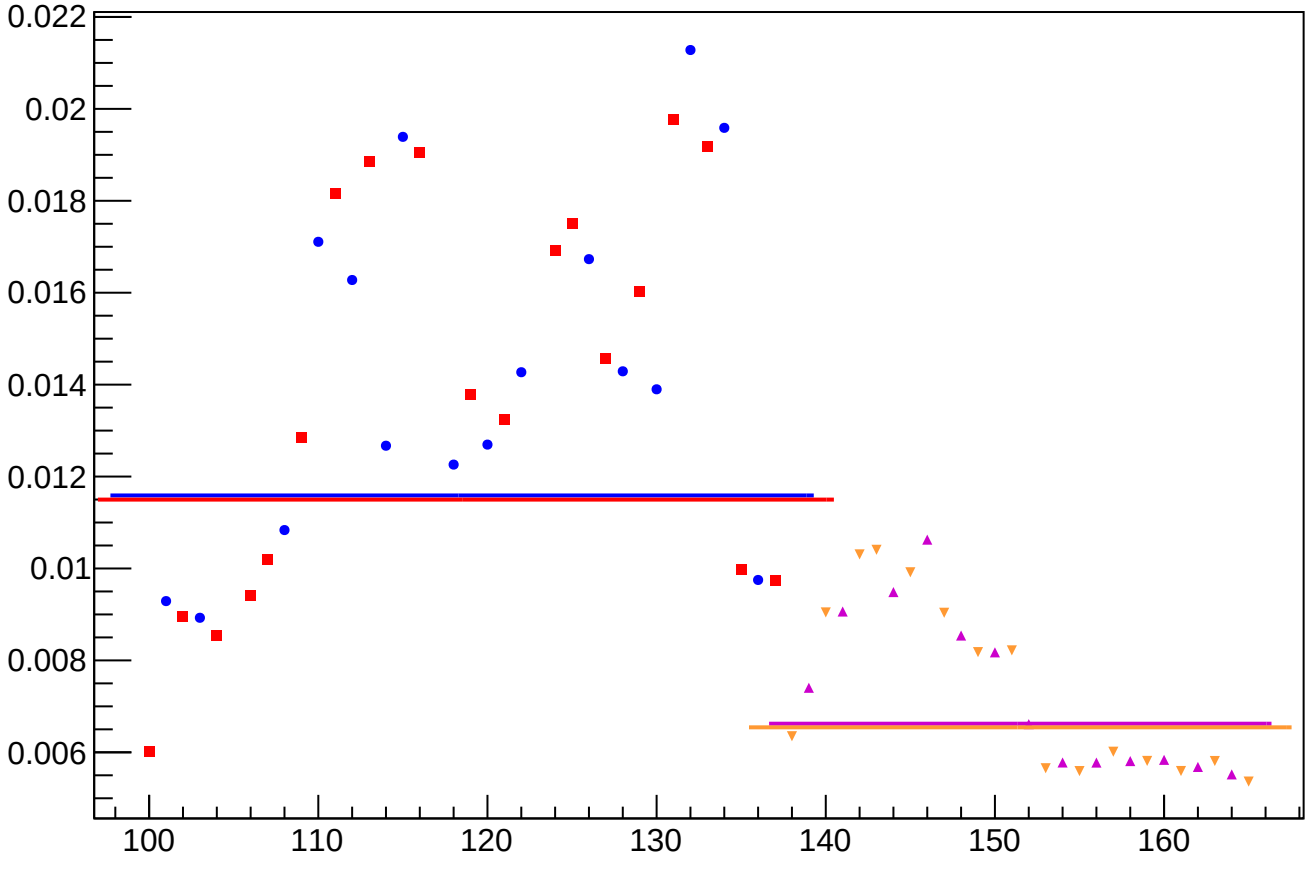
Left In: -0.793+/-0.000 χ^2/NDF:10432432838.5/12

+ sign -0.735+/-0.000 χ^2/NDF: 22225082764.2/30

All: -0.734+/-0.000 χ^2/NDF: 40816494630.1/

- sign -0.732+/-0.000 χ^2/NDF: 18590310712.3/31

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:1078652.7/14

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

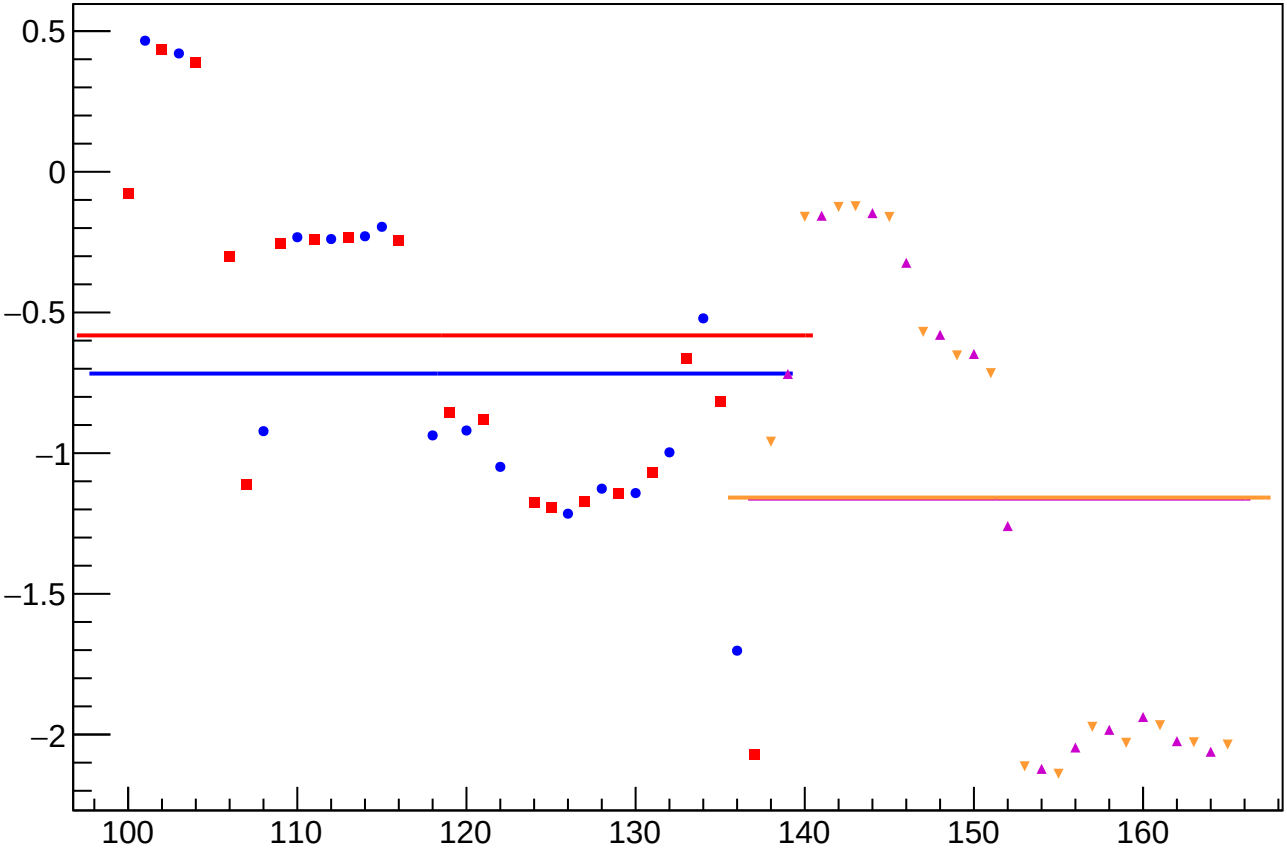
Left In: 0.007+/-0.000 χ^2/NDF:853398.1/12

+ sign 0.007+/-0.000 χ^2/NDF: 3778639.4/30

All: 0.007+/-0.000 χ^2/NDF: 7597684.4/62

- sign 0.007+/-0.000 χ^2/NDF: 3814426.5/31

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.158+/-0.000 χ^2/NDF:1073207544.3/14

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

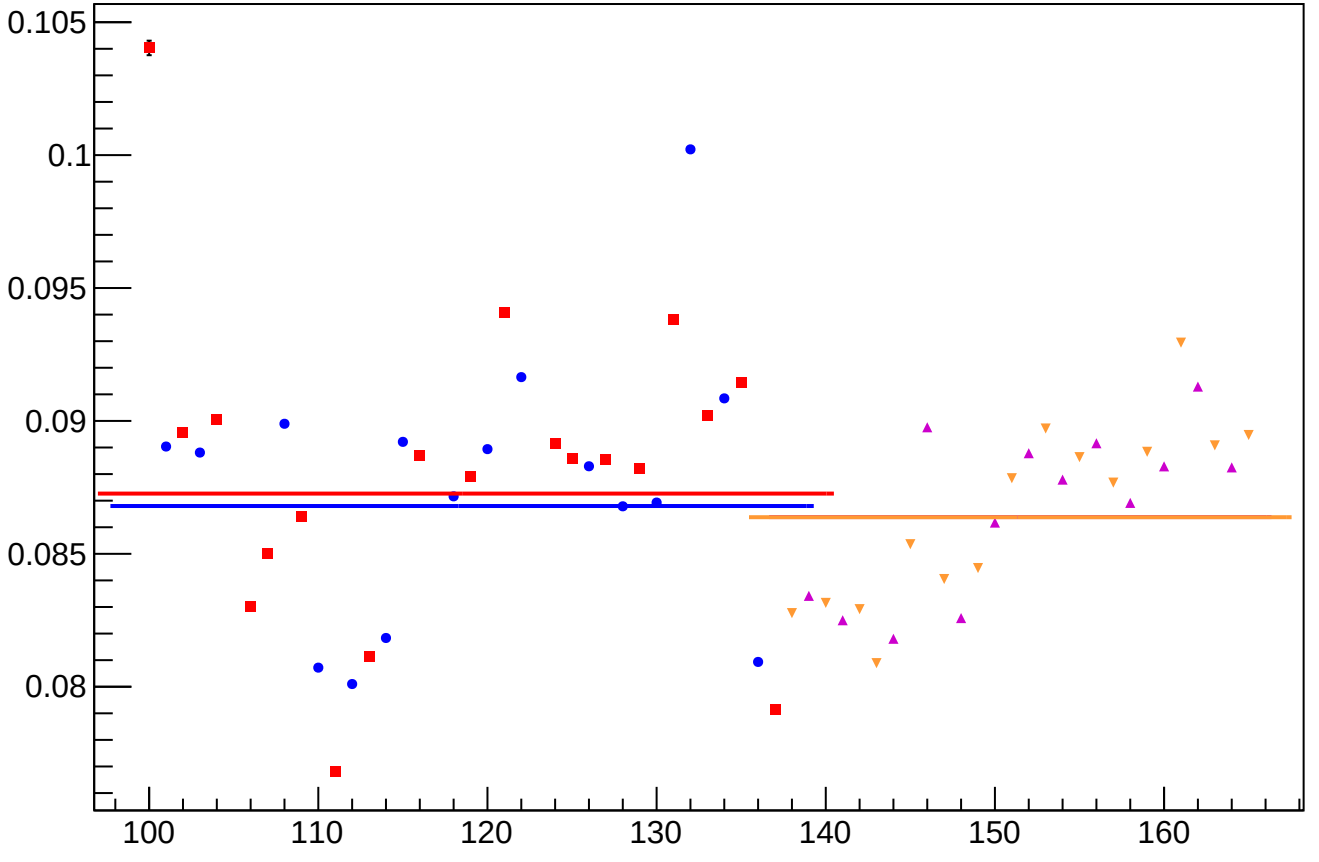
Left In: -1.162+/-0.000 χ^2/NDF:903677600.4/12

+ sign -0.992+/-0.000 χ^2/NDF: 1625861072.7/30

All: -0.961+/-0.000 χ^2/NDF: 3073325248.0/6

- sign -0.929+/-0.000 χ^2/NDF: 1442534203.1/31

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33352.4/14

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

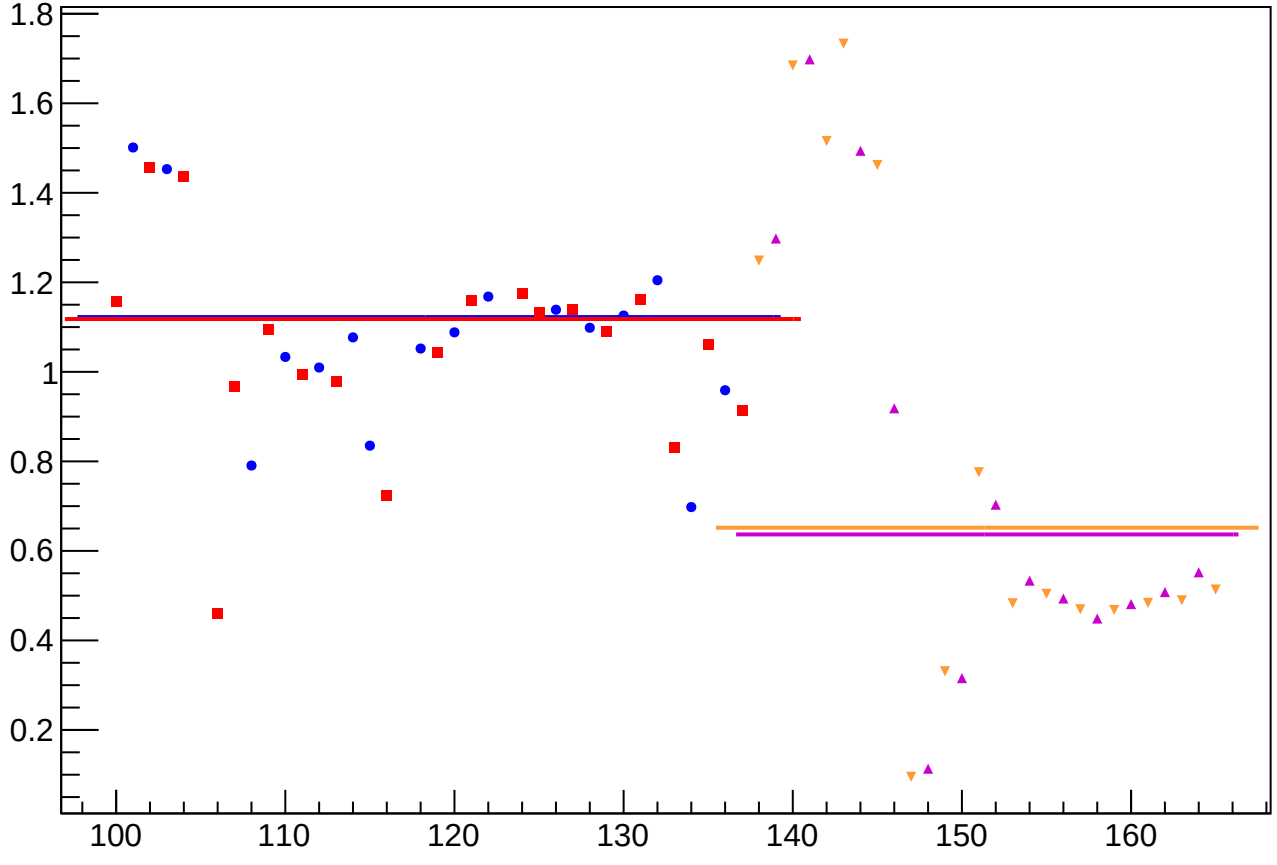
Left In: 0.086+/-0.000 χ^2/NDF:26898.5/12

+ sign 0.087+/-0.000 χ^2/NDF: 77138.7/30

All: 0.087+/-0.000 χ^2/NDF: 151213.3/62

- sign 0.087+/-0.000 χ^2/NDF: 73973.6/31

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.652+/-0.000 χ^2/NDF:28070985831.0/14

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

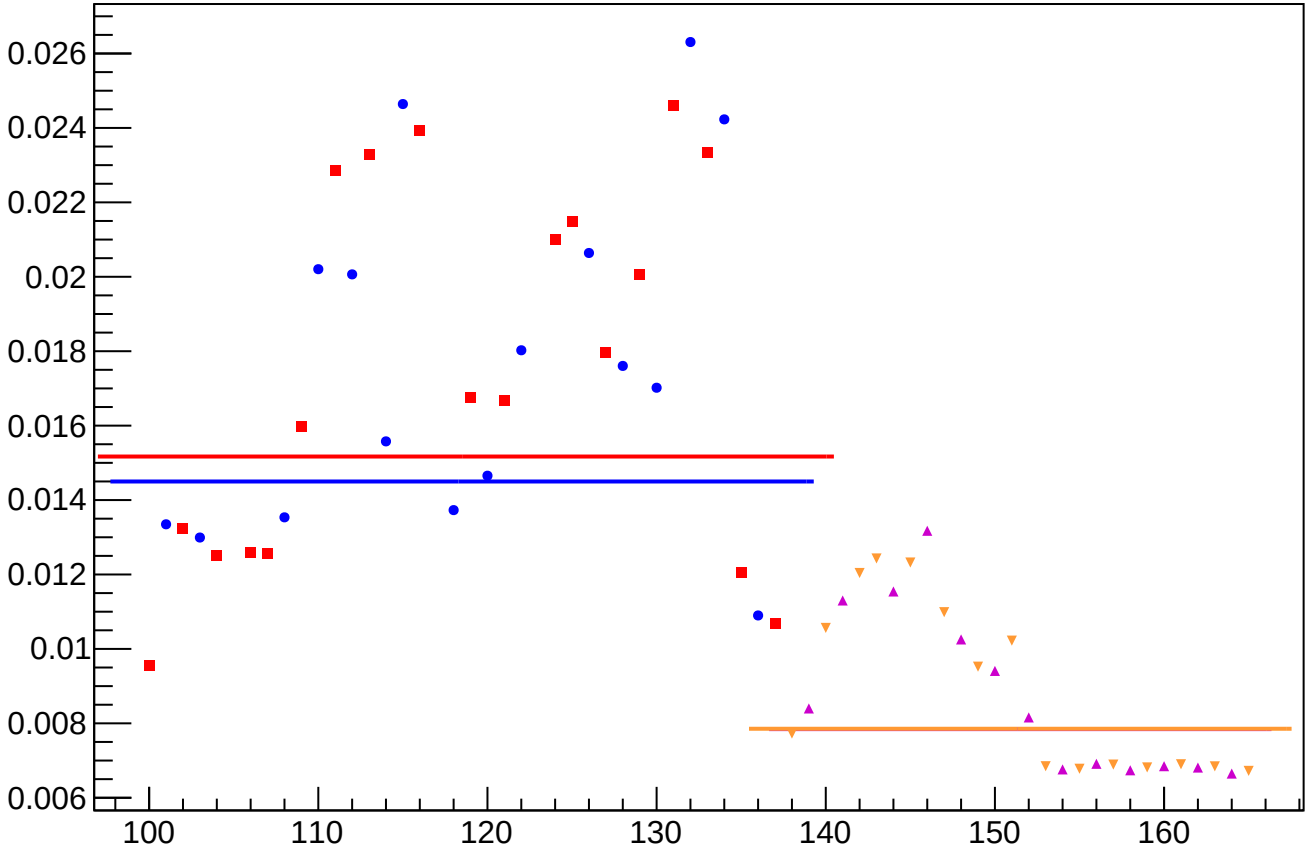
Left In: 0.637+/-0.000 χ^2/NDF:21783941220.1/12

+ sign 0.718+/-0.000 χ^2/NDF: 34928638211.0/30

All: 0.712+/-0.000 χ^2/NDF: 63597095827.3/6

- sign 0.705+/-0.000 χ^2/NDF: 28651983224.1/31

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1082153.1/14

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

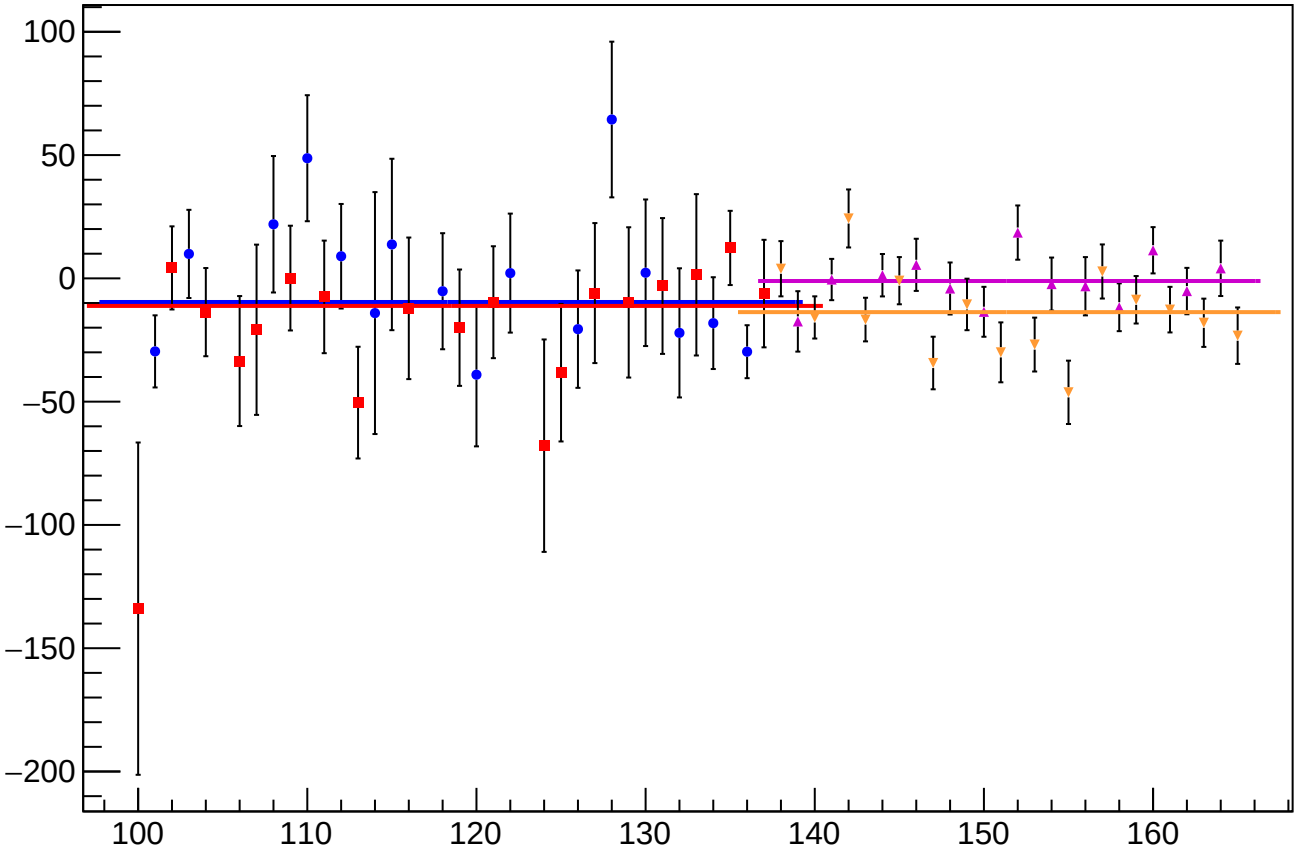
Left In: 0.008+/-0.000 χ^2/NDF:932476.2/12

+ sign 0.009+/-0.000 χ^2/NDF: 3947288.7/30

All: 0.009+/-0.000 χ^2/NDF: 8200854.2/62

- sign 0.009+/-0.000 χ^2/NDF: 4251853.8/31

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -13.692+/-2.667 χ^2/NDF:31.8/14

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

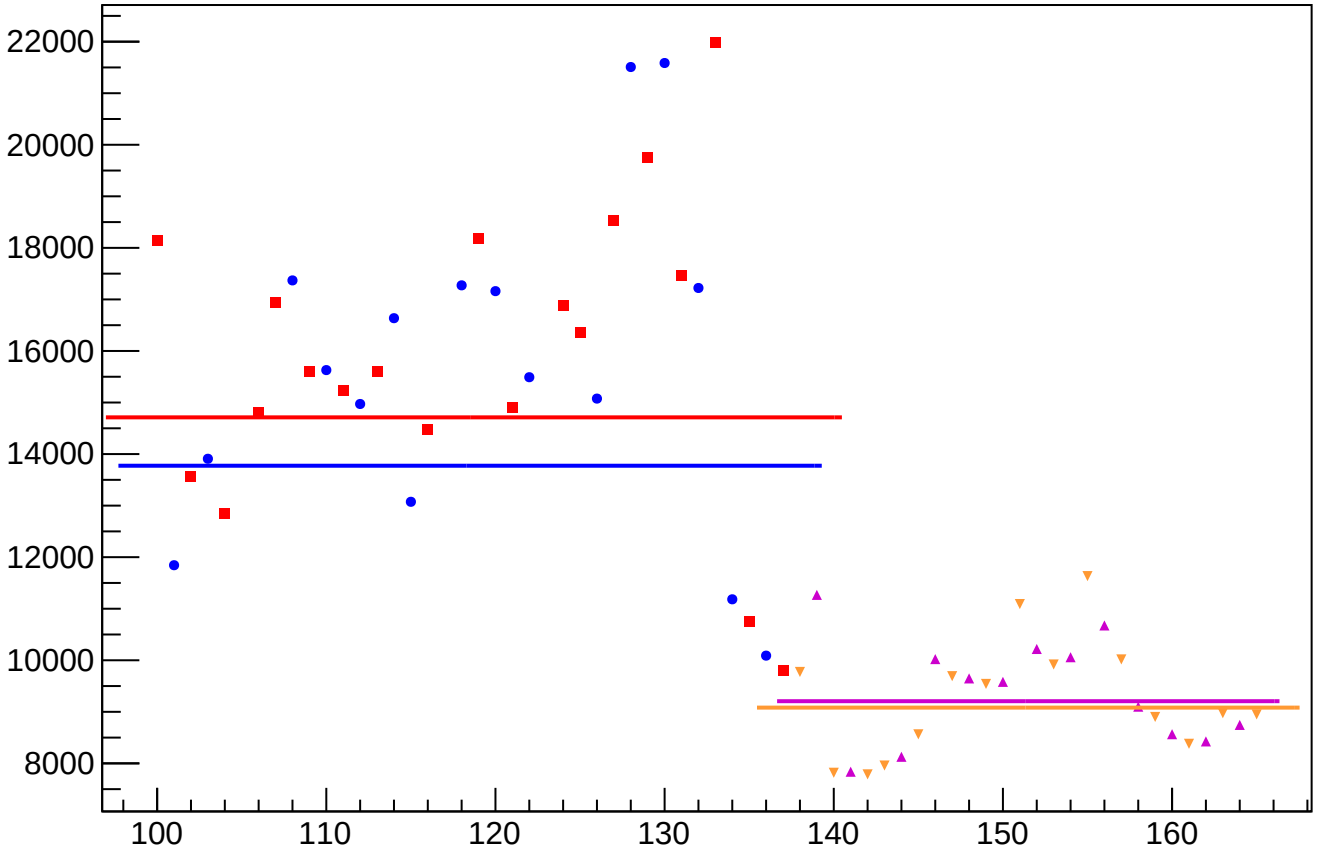
Left In: -1.071+/-2.801 χ^2/NDF:10.5/12

+ sign -12.859+/-2.382 χ^2/NDF: 54.2/30

All: -8.235+/-1.723 χ^2/NDF: 89.1/62

- sign -3.155+/-2.496 χ^2/NDF: 27.0/31

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9081.685+/-1.886 χ^2/NDF:296502.8/14

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

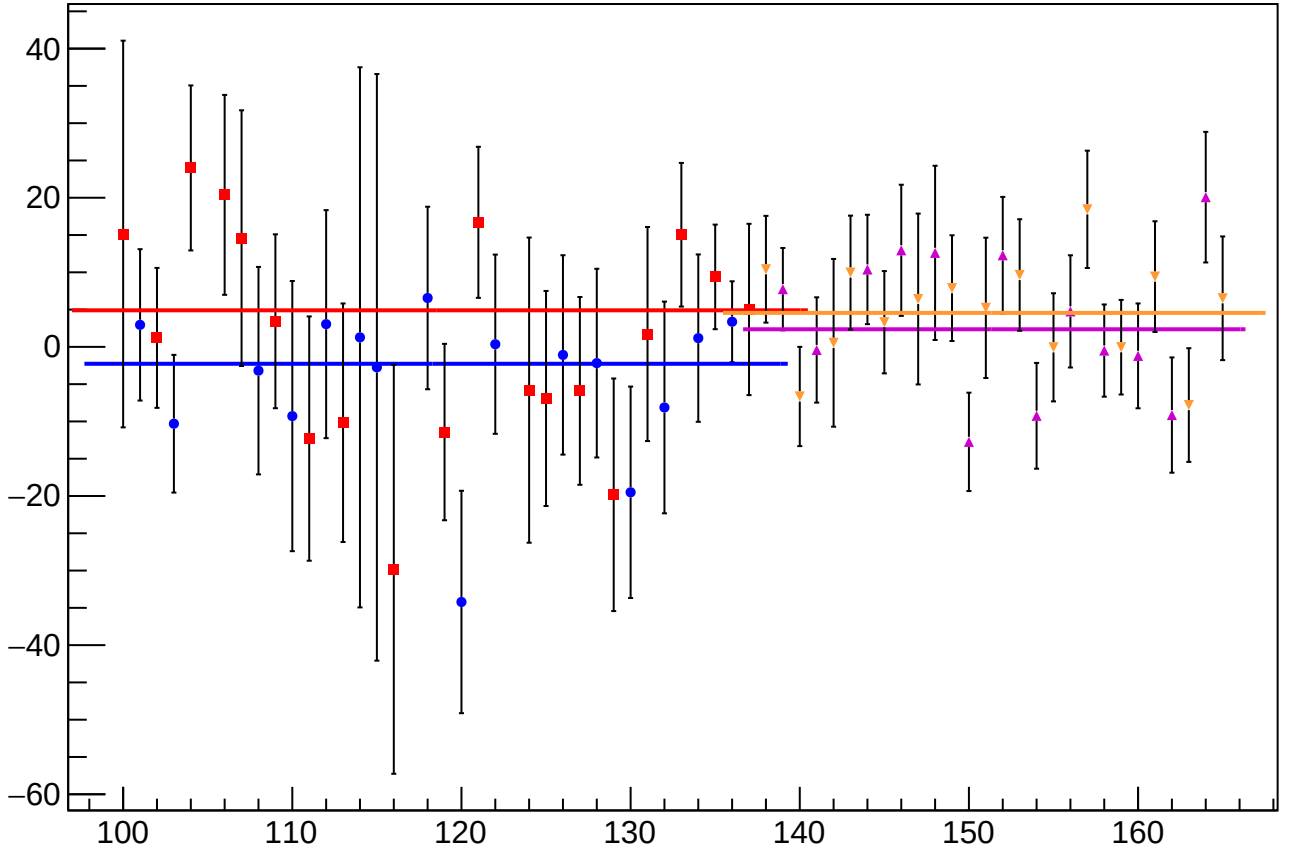
Left In: 9206.230+/-1.981 χ^2/NDF:246812.2/12

+ sign 10032.417+/-1.684 χ^2/NDF: 2298456.8/30

All: 10179.645+/-1.218 χ^2/NDF: 4711373.8/6

- sign 10341.371+/-1.765 χ^2/NDF: 2396876.8/31

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.559+/-1.980 χ^2/NDF:12.0/14

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

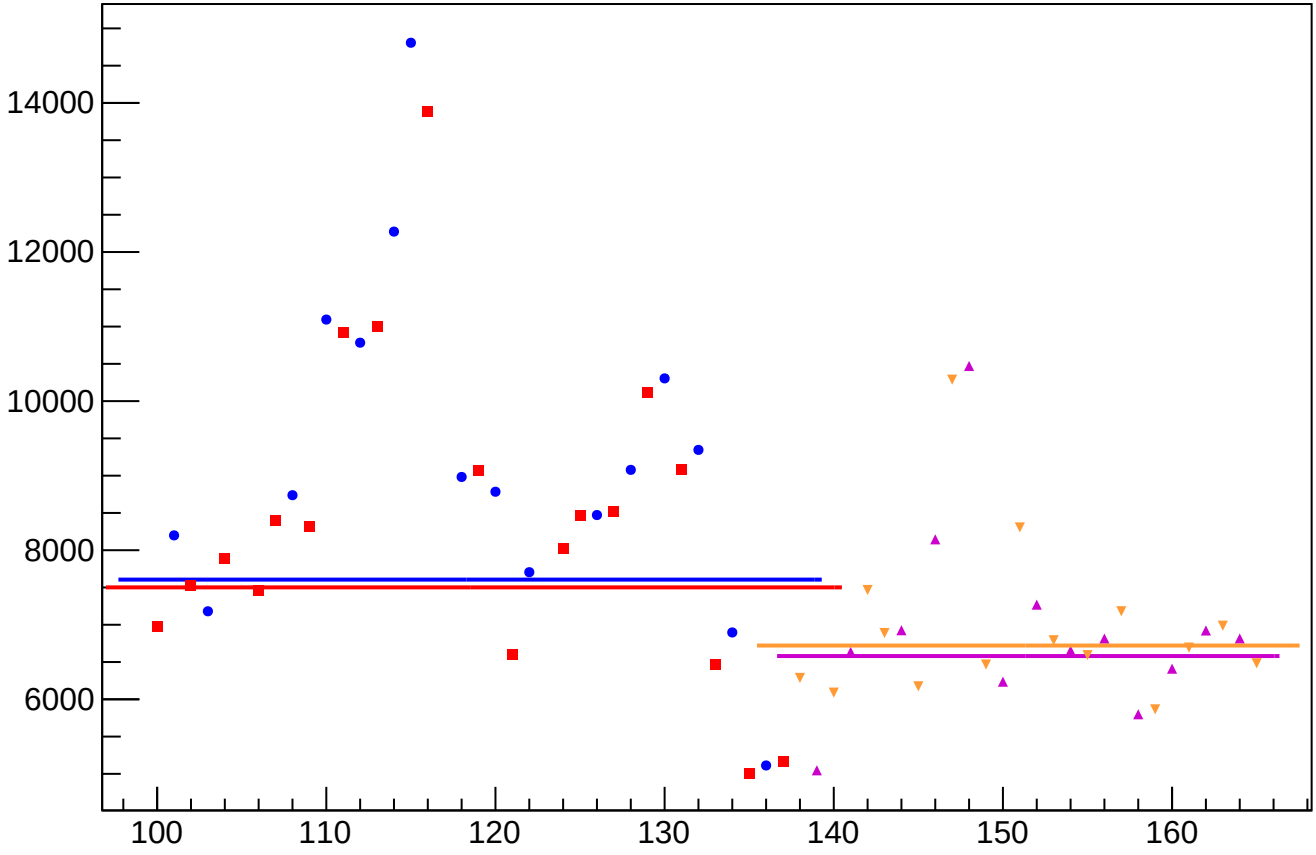
Left In: 2.360+/-2.021 χ^2/NDF:20.9/12

+ sign 2.411+/-1.639 χ^2/NDF: 25.1/30

All: 2.812+/-1.162 χ^2/NDF: 64.2/62

- sign 3.217+/-1.646 χ^2/NDF: 39.0/31

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6721.281+/-1.400 χ^2/NDF:349155.8/14

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

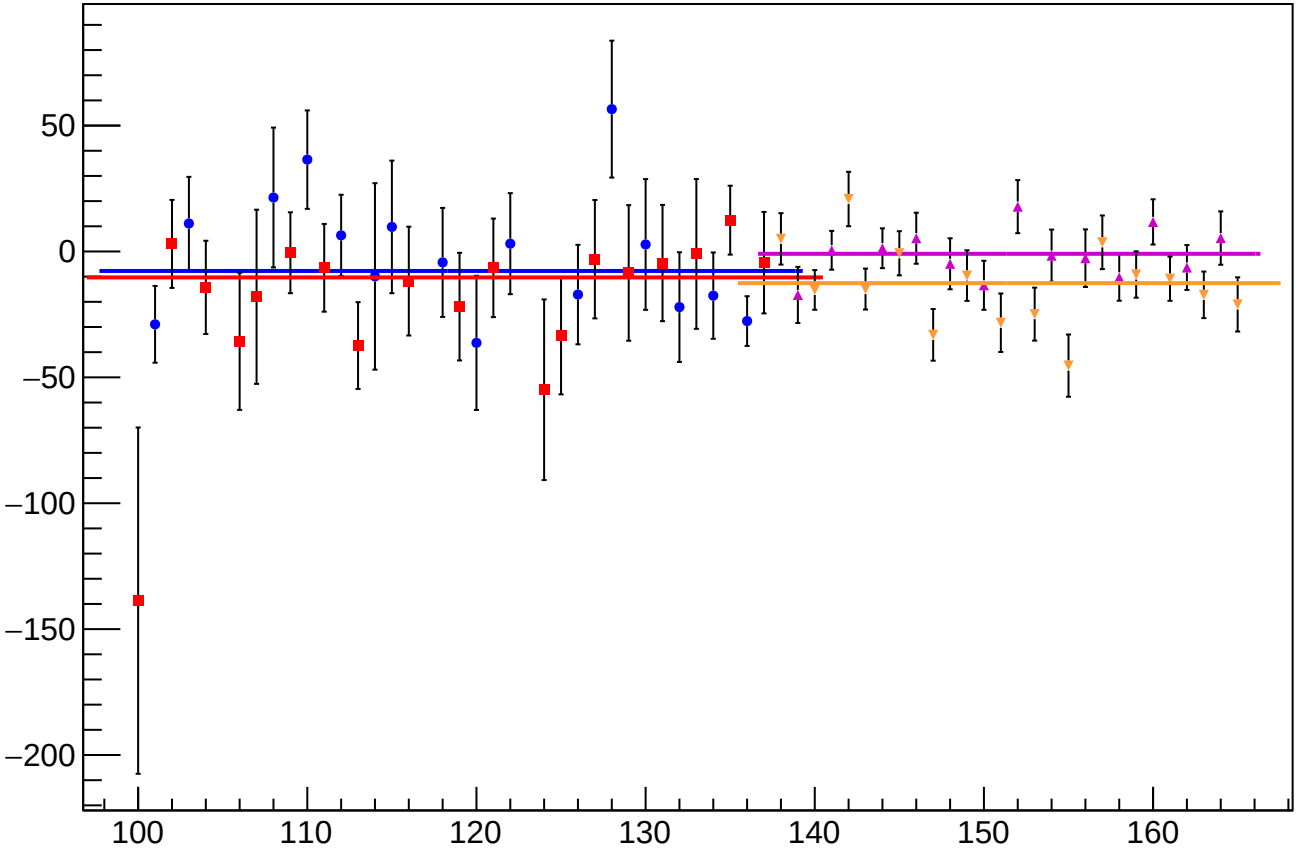
Left In: 6580.178+/-1.429 χ^2/NDF:505602.1/12

+ sign 6999.644+/-1.159 χ^2/NDF: 1366203.5/30

All: 6945.340+/-0.821 χ^2/NDF: 2839746.7/62

- sign 6890.588+/-1.164 χ^2/NDF: 1469135.8/31

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -12.568+/-2.510 χ^2/NDF:32.2/14

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

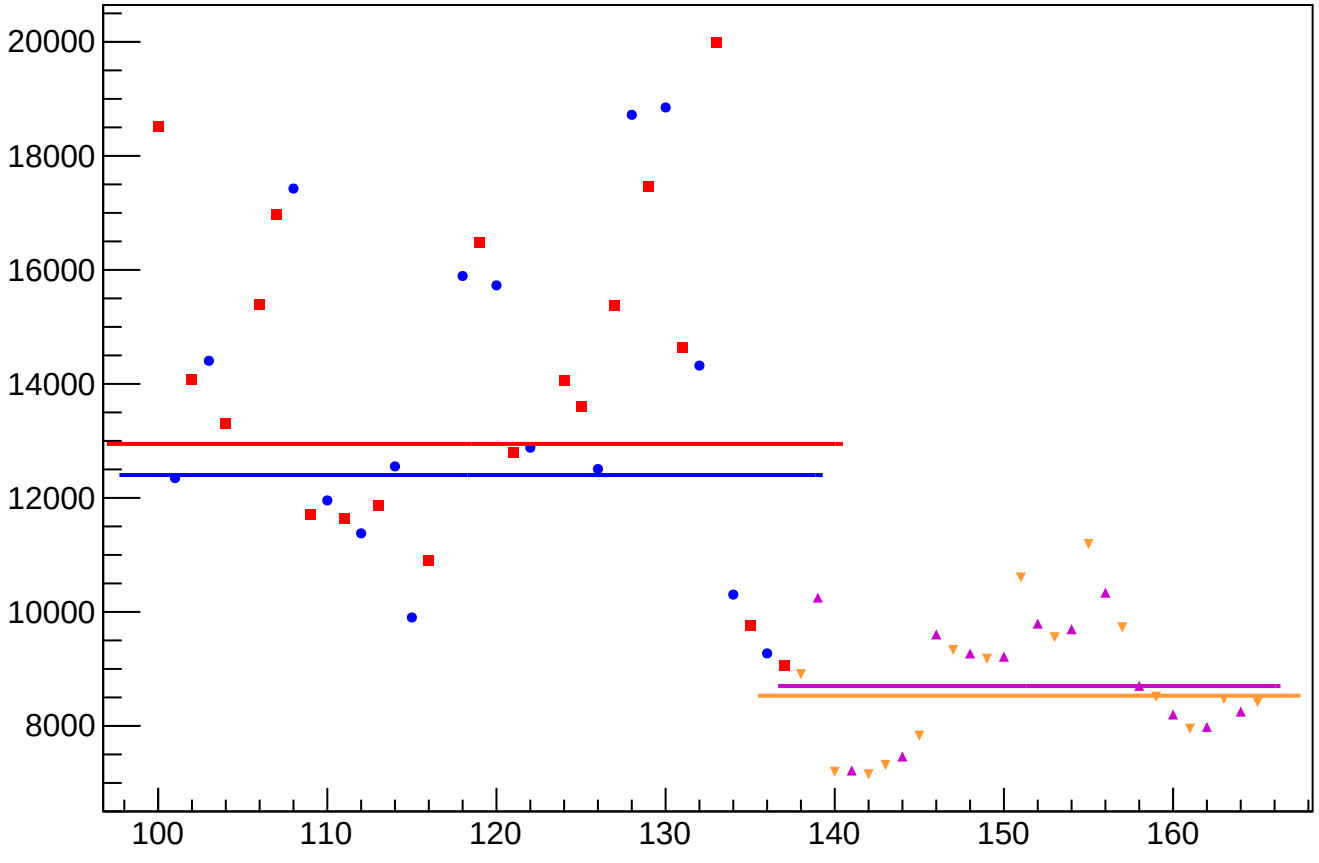
Left In: -0.922+/-2.650 χ^2/NDF:11.3/12

+ sign -11.514+/-2.219 χ^2/NDF: 55.7/30

All: -7.496+/-1.605 χ^2/NDF: 90.8/62

- sign -3.087+/-2.325 χ^2/NDF: 28.2/31

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8530.540+/-1.775 χ^2/NDF:380271.2/14

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

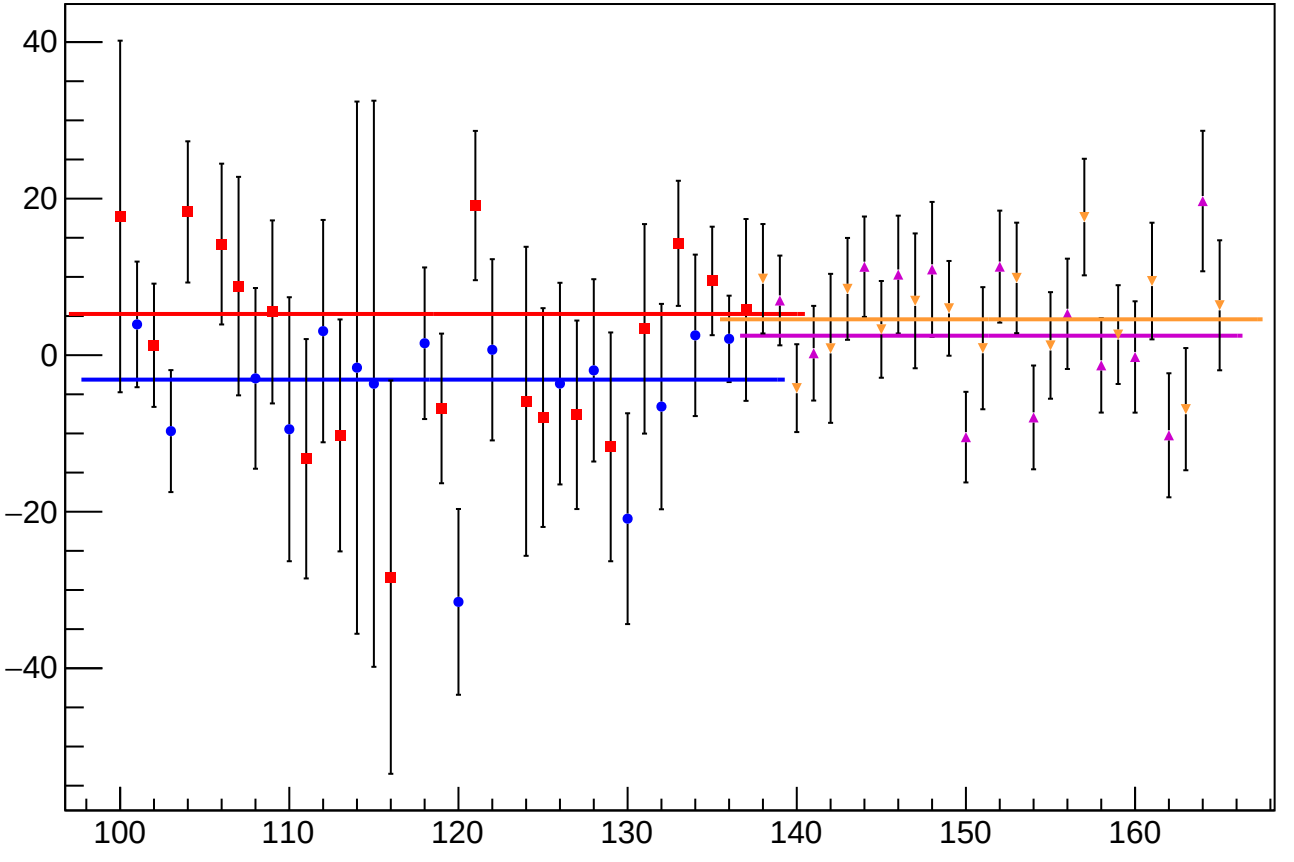
Left In: 8700.490+/-1.874 χ^2/NDF:293361.6/12

+ sign 9376.043+/-1.569 χ^2/NDF: 2097681.8/30

All: 9521.052+/-1.135 χ^2/NDF: 4148854.1/62

- sign 9680.180+/-1.644 χ^2/NDF: 2033258.9/31

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.582+/-1.814 χ^2/NDF:10.5/14

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

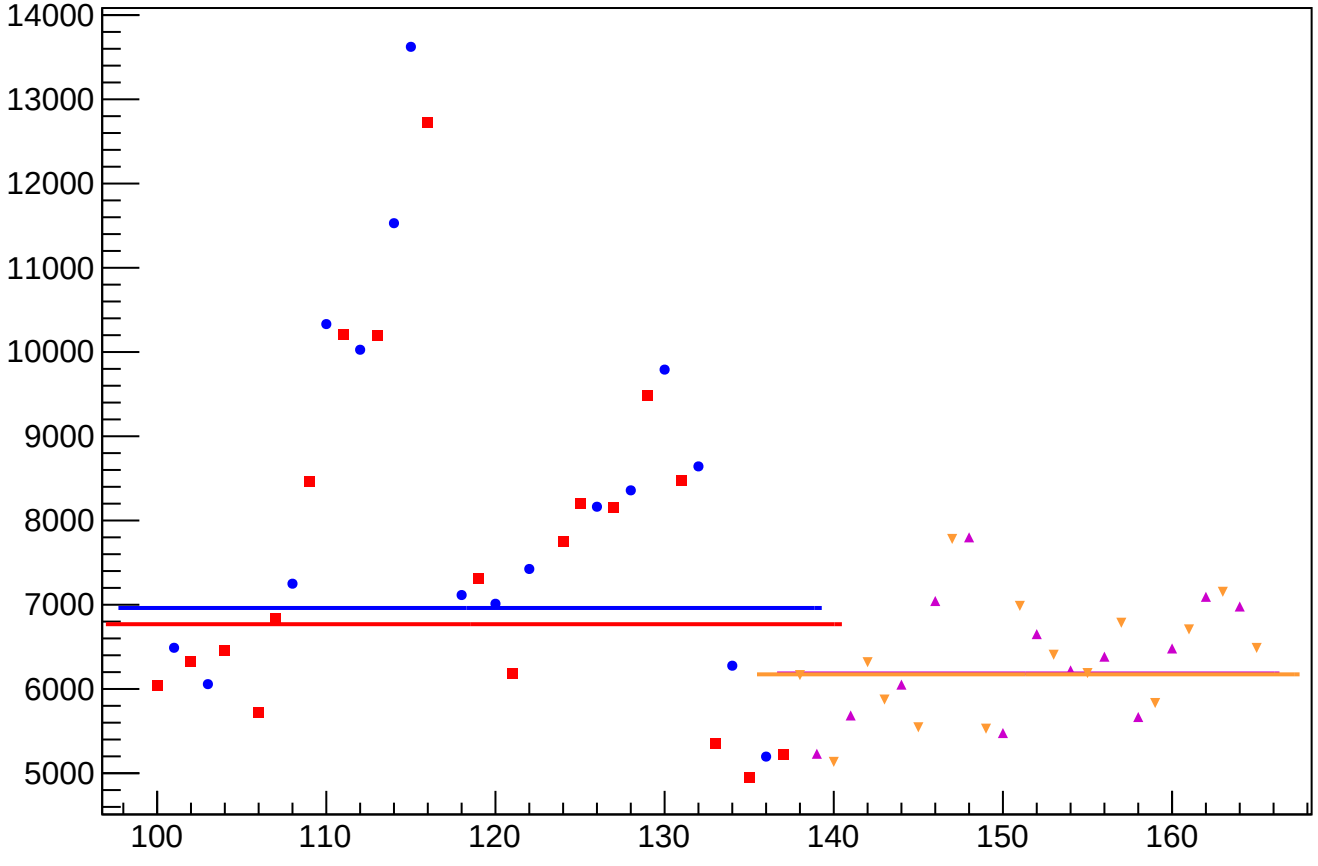
Left In: 2.488+/-1.887 χ^2/NDF:20.6/12

+ sign 2.131+/-1.498 χ^2/NDF: 27.2/30

All: 2.791+/-1.066 χ^2/NDF: 65.9/62

- sign 3.469+/-1.517 χ^2/NDF: 38.3/31

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6173.631+/-1.282 χ^2/NDF:274179.4/14

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

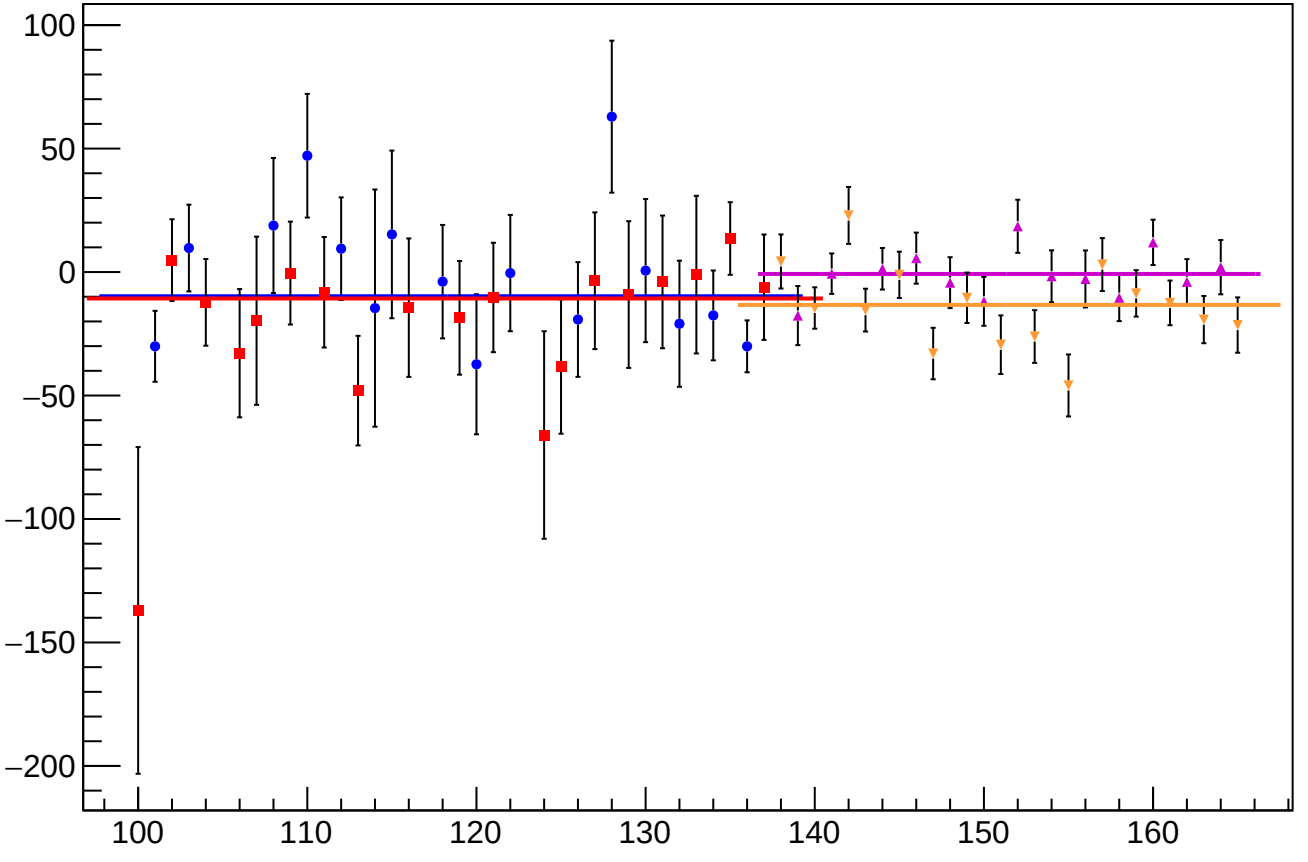
Left In: 6184.372+/-1.334 χ^2/NDF:266411.2/12

+ sign 6424.265+/-1.059 χ^2/NDF: 1090662.7/30

All: 6407.771+/-0.754 χ^2/NDF: 2223504.4/62

- sign 6390.845+/-1.073 χ^2/NDF: 1132350.2/31

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -13.306+/-2.608 χ^2/NDF:31.4/14

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

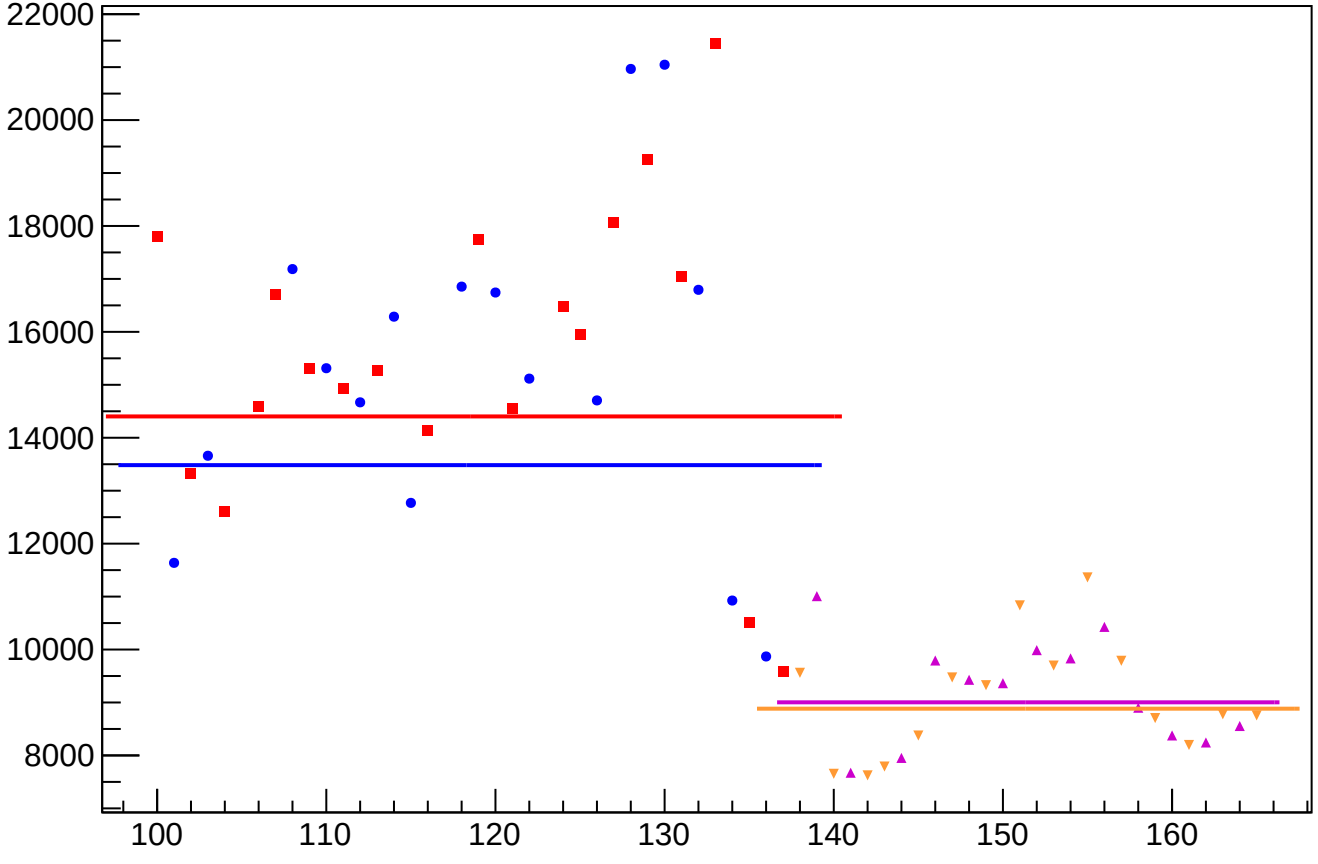
Left In: -0.769+/-2.739 χ^2/NDF:10.2/12

+ sign -12.599+/-2.329 χ^2/NDF: 53.8/30

All: -7.935+/-1.685 χ^2/NDF: 89.5/62

- sign -2.814+/-2.441 χ^2/NDF: 27.2/31

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8883.013+/-1.844 χ^2/NDF:293301.4/14

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

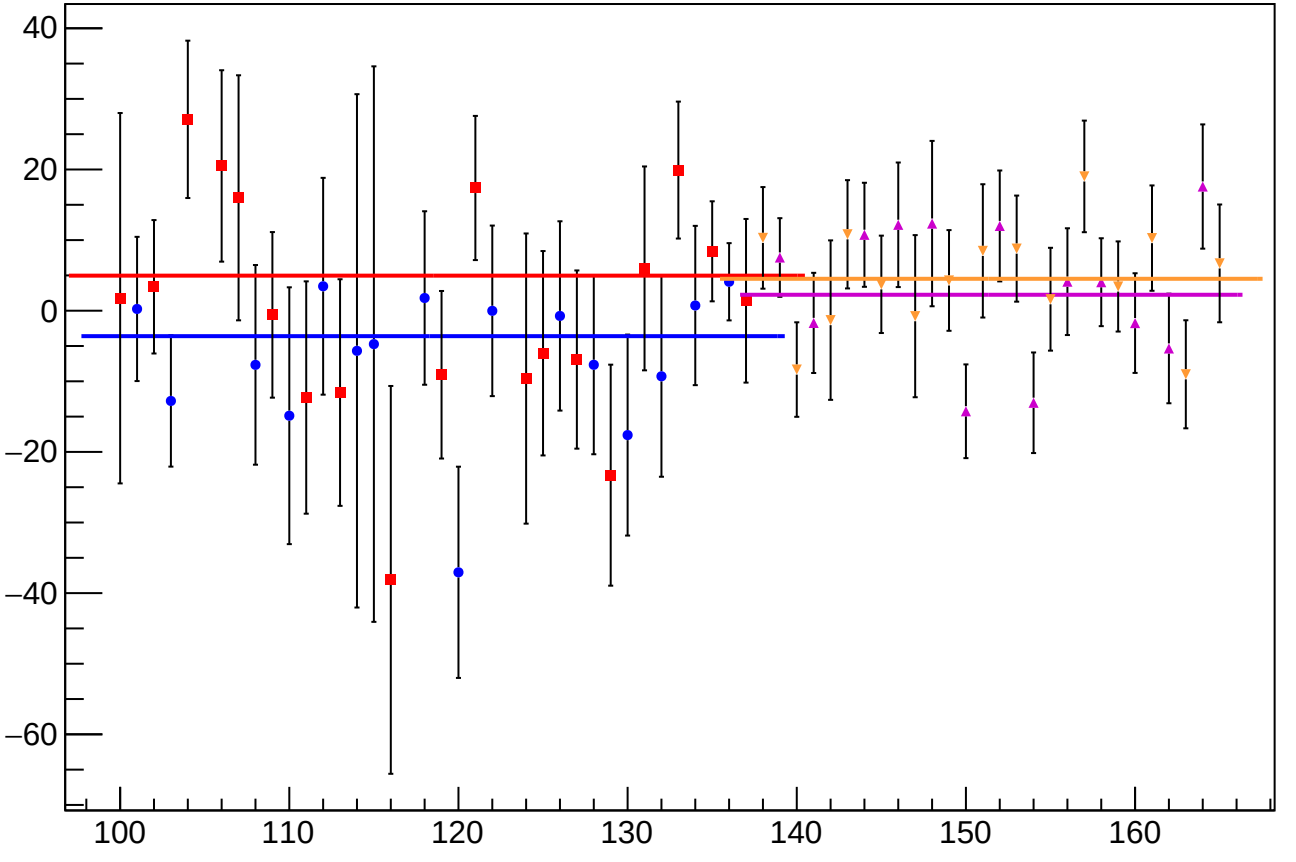
Left In: 9003.113+/-1.937 χ^2/NDF:243811.9/12

+ sign 9813.963+/-1.647 χ^2/NDF: 2295869.7/30

All: 9957.244+/-1.192 χ^2/NDF: 4707513.5/62

- sign 10114.598+/-1.726 χ^2/NDF: 2395767.8/31

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.519+/-1.990 χ^2/NDF:13.3/14

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

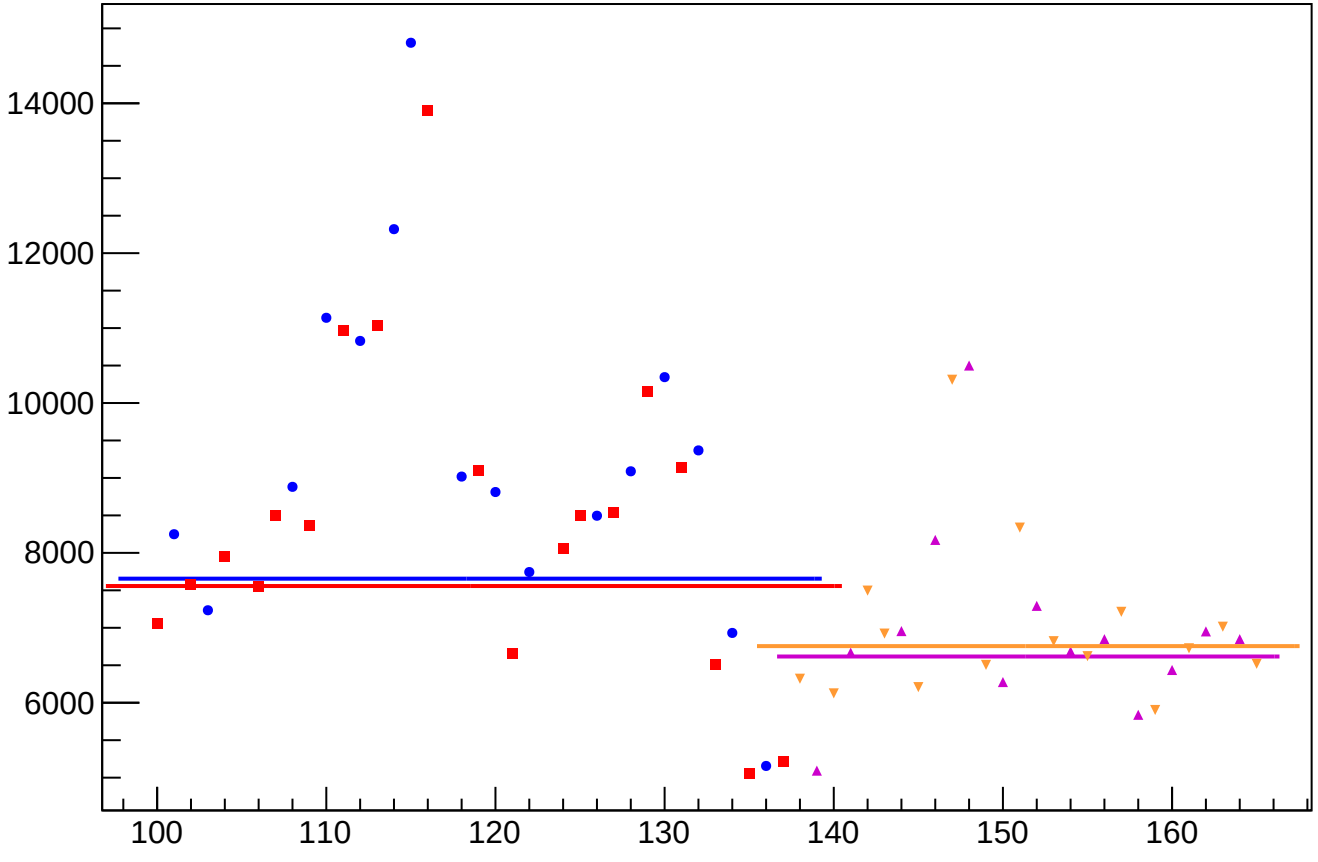
Left In: 2.257+/-2.032 χ^2/NDF:21.3/12

+ sign 1.966+/-1.648 χ^2/NDF: 29.1/30

All: 2.564+/-1.168 χ^2/NDF: 72.6/62

- sign 3.167+/-1.656 χ^2/NDF: 43.3/31

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6755.492+/-1.407 χ^2/NDF:344741.9/14

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

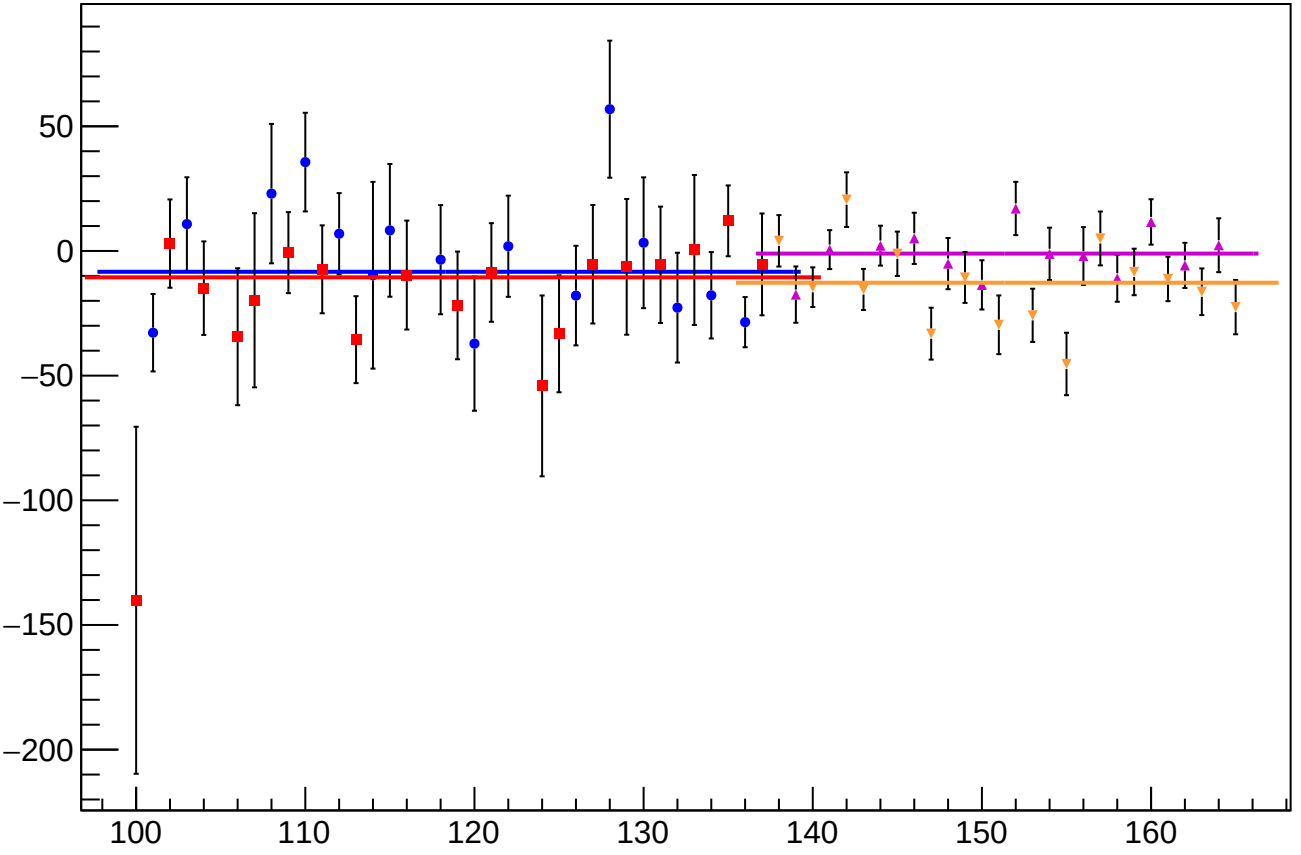
Left In: 6616.887+/-1.437 χ^2/NDF:495867.6/12

+ sign 7038.396+/-1.165 χ^2/NDF: 1353150.5/30

All: 6986.000+/-0.826 χ^2/NDF: 2807002.0/62

- sign 6933.116+/-1.171 χ^2/NDF: 1449789.2/31

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -12.742+/-2.543 χ^2/NDF:31.9/14

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

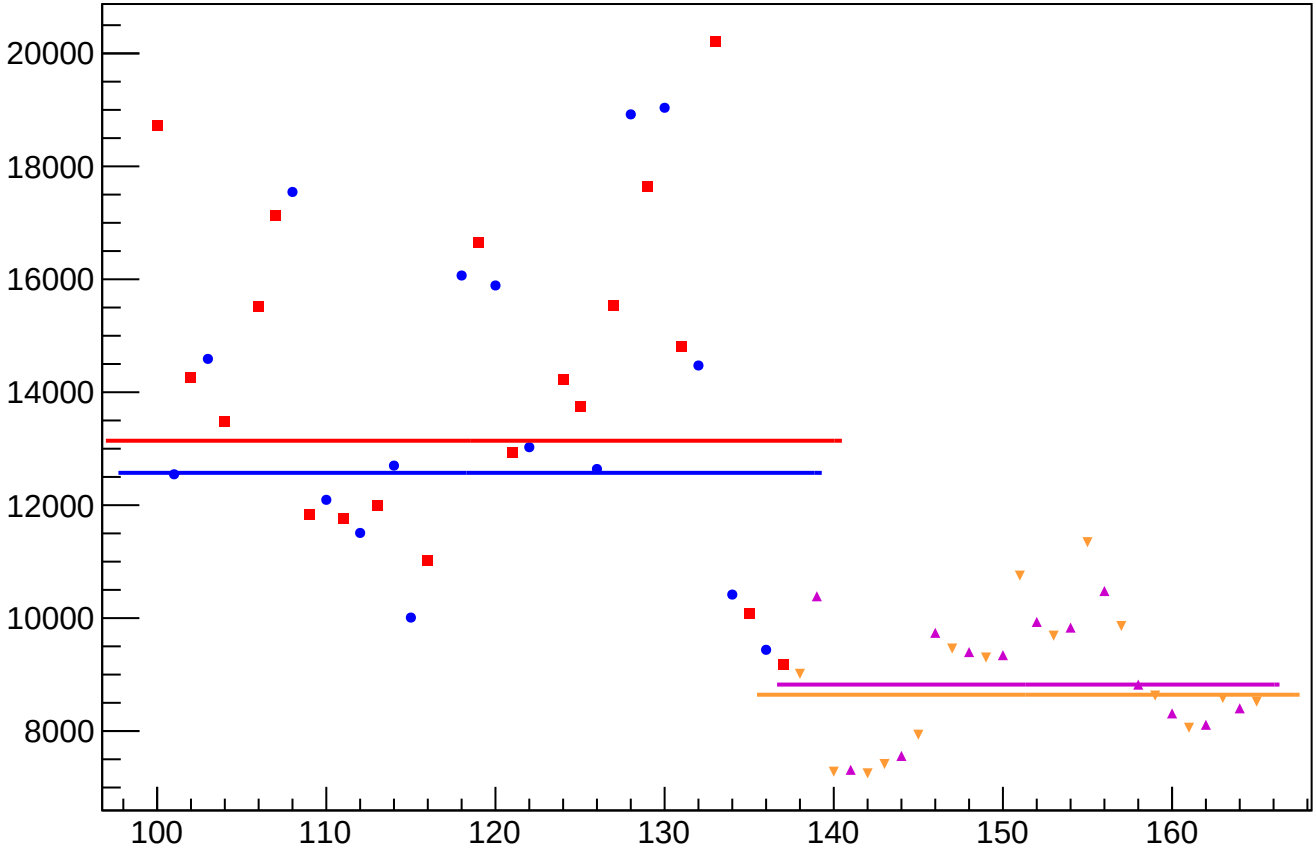
Left In: -1.053+/-2.688 χ^2/NDF:10.7/12

+ sign -11.784+/-2.249 χ^2/NDF: 55.8/30

All: -7.718+/-1.627 χ^2/NDF: 89.2/62

- sign -3.248+/-2.358 χ^2/NDF: 26.5/31

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8643.445+/-1.798 χ^2/NDF:381796.7/14

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

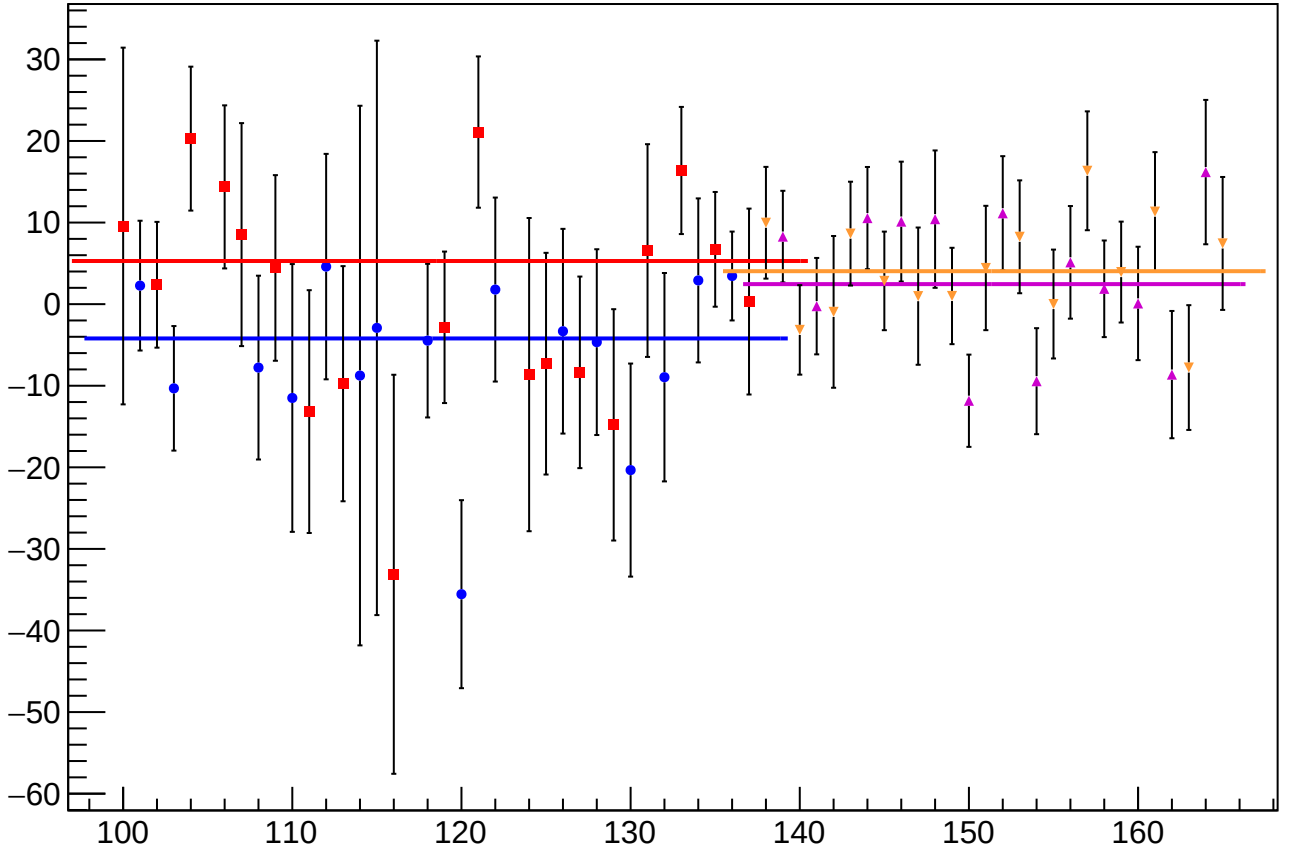
Left In: 8823.114+/-1.901 χ^2/NDF:293056.6/12

+ sign 9500.885+/-1.590 χ^2/NDF: 2088518.0/30

All: 9652.178+/-1.151 χ^2/NDF: 4125166.7/62

- sign 9818.507+/-1.667 χ^2/NDF: 2017642.9/31

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.040+/-1.775 χ^2/NDF:10.9/14

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

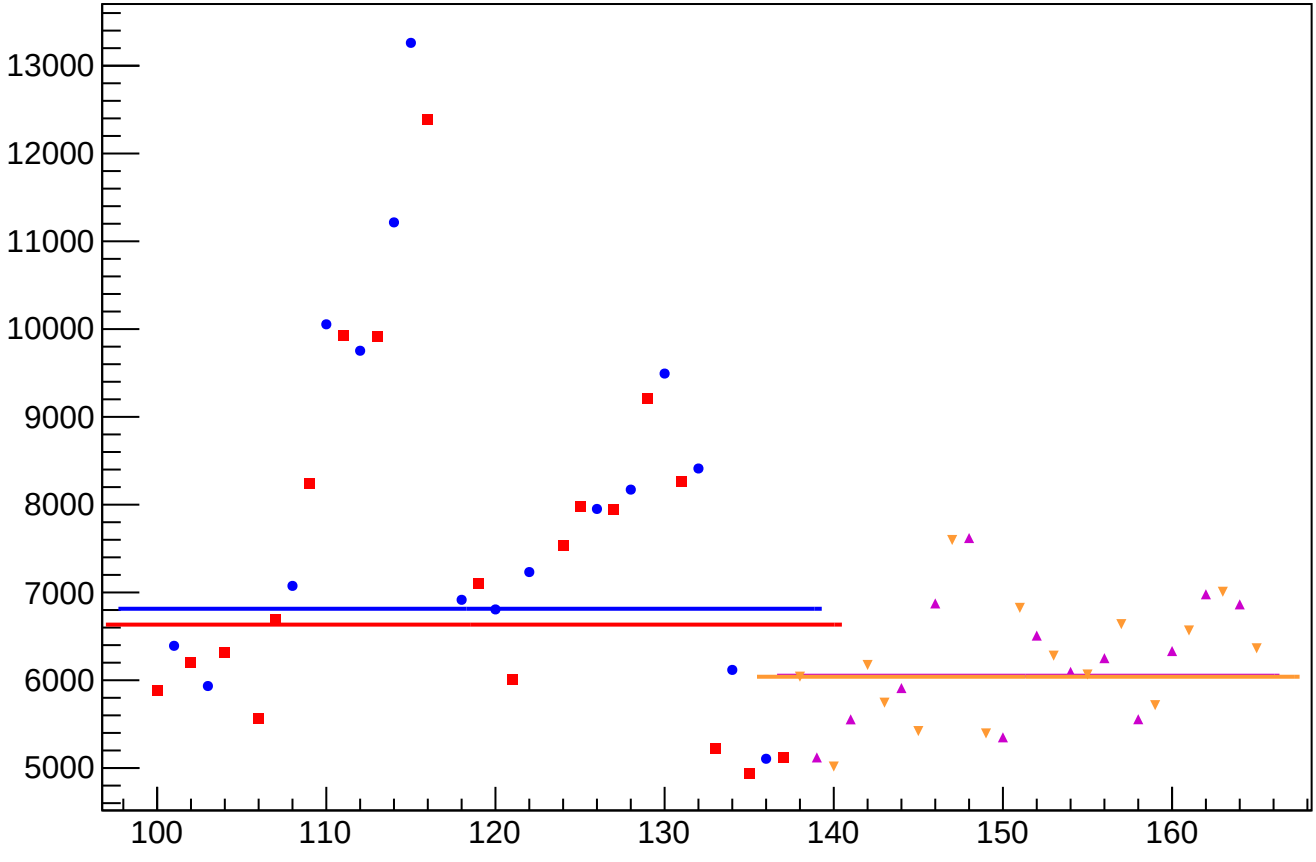
Left In: 2.455+/-1.846 χ^2/NDF:20.9/12

+ sign 1.421+/-1.466 χ^2/NDF: 31.6/30

All: 2.423+/-1.043 χ^2/NDF: 74.0/62

- sign 3.454+/-1.486 χ^2/NDF: 41.5/31

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6039.986+/-1.255 χ^2/NDF:276111.0/14

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

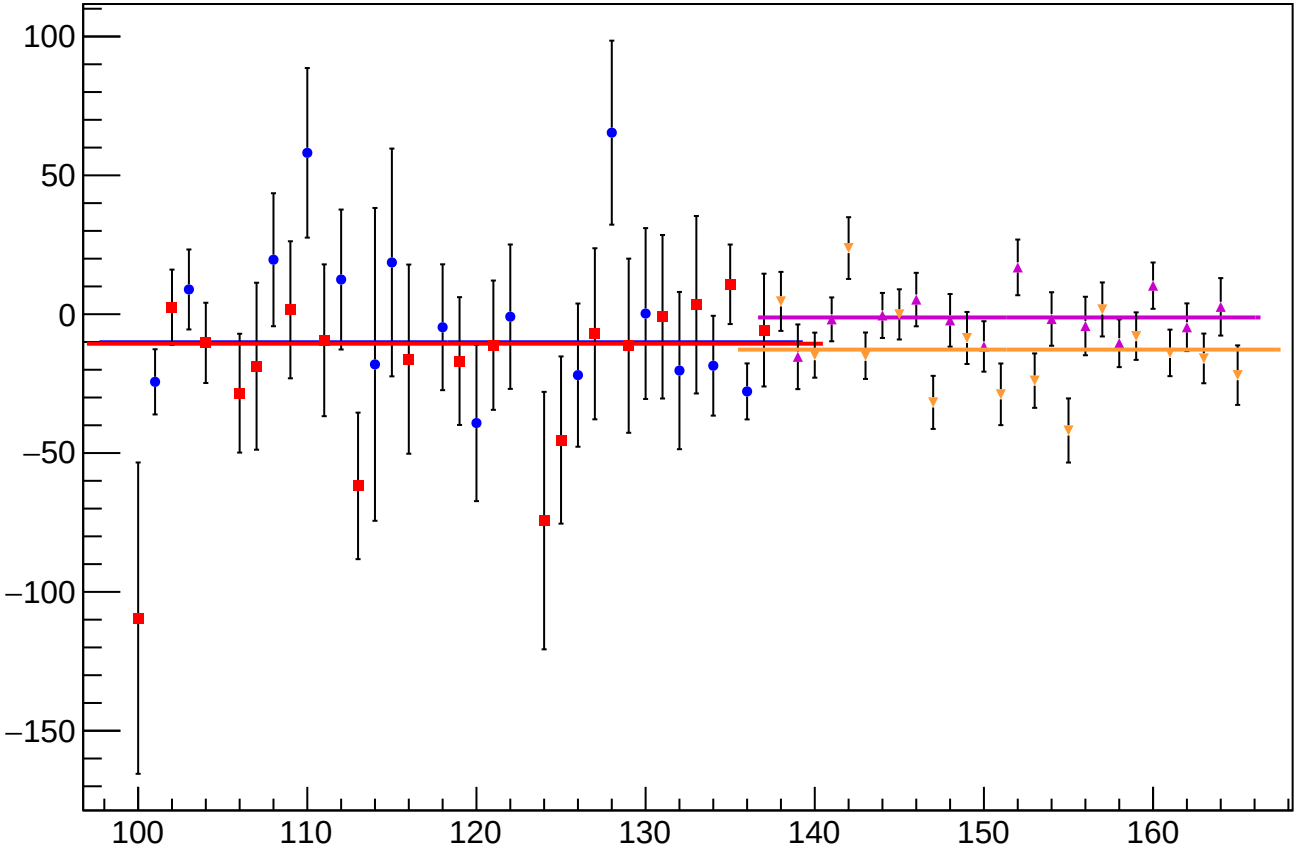
Left In: 6051.624+/-1.306 χ^2/NDF:268188.3/12

+ sign 6286.001+/-1.036 χ^2/NDF: 1071191.3/30

All: 6271.626+/-0.738 χ^2/NDF: 2173195.3/62

- sign 6256.857+/-1.051 χ^2/NDF: 1101614.0/31

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -12.753+/-2.449 χ^2/NDF:32.9/14

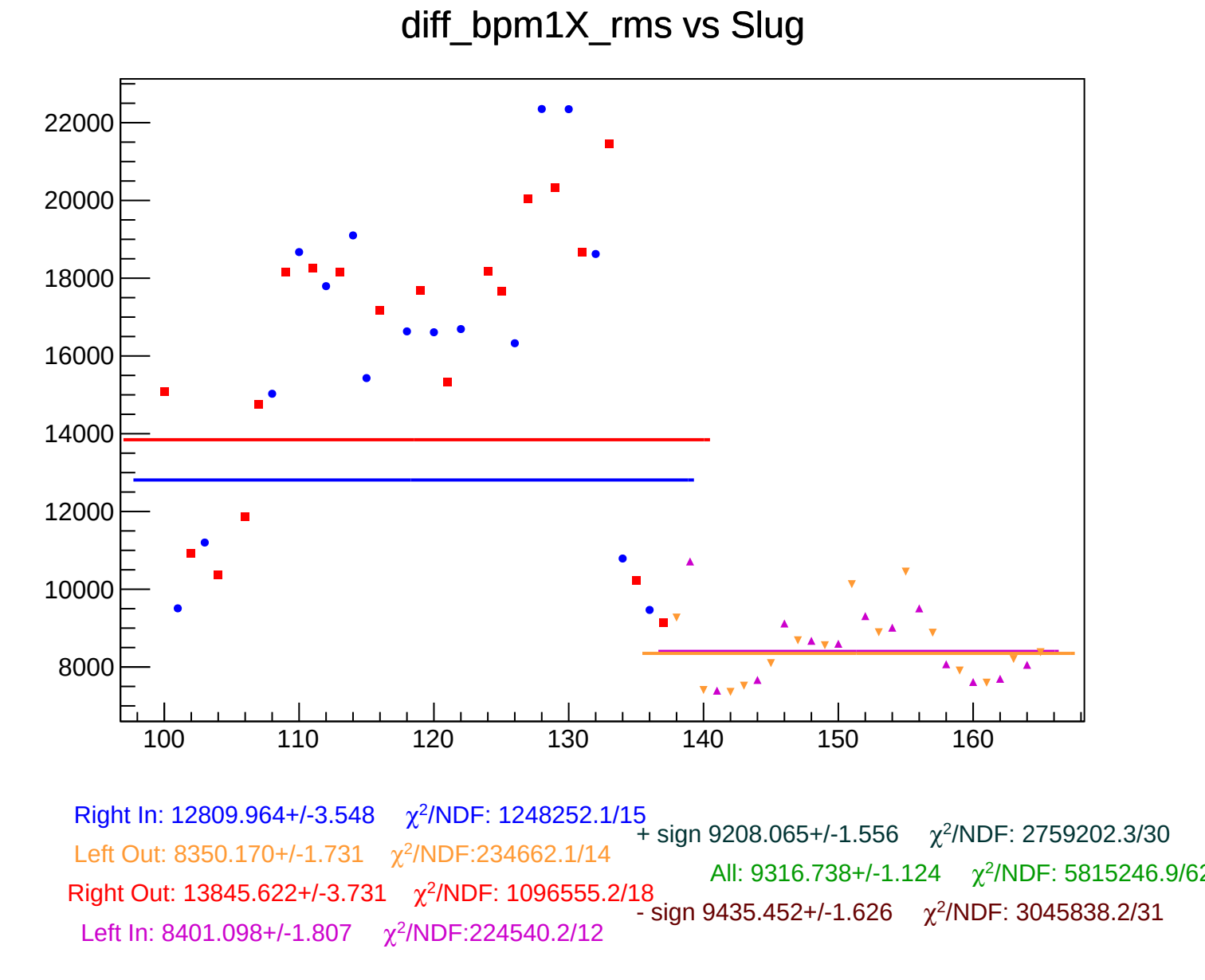
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.175+/-2.555 χ^2/NDF:10.0/12

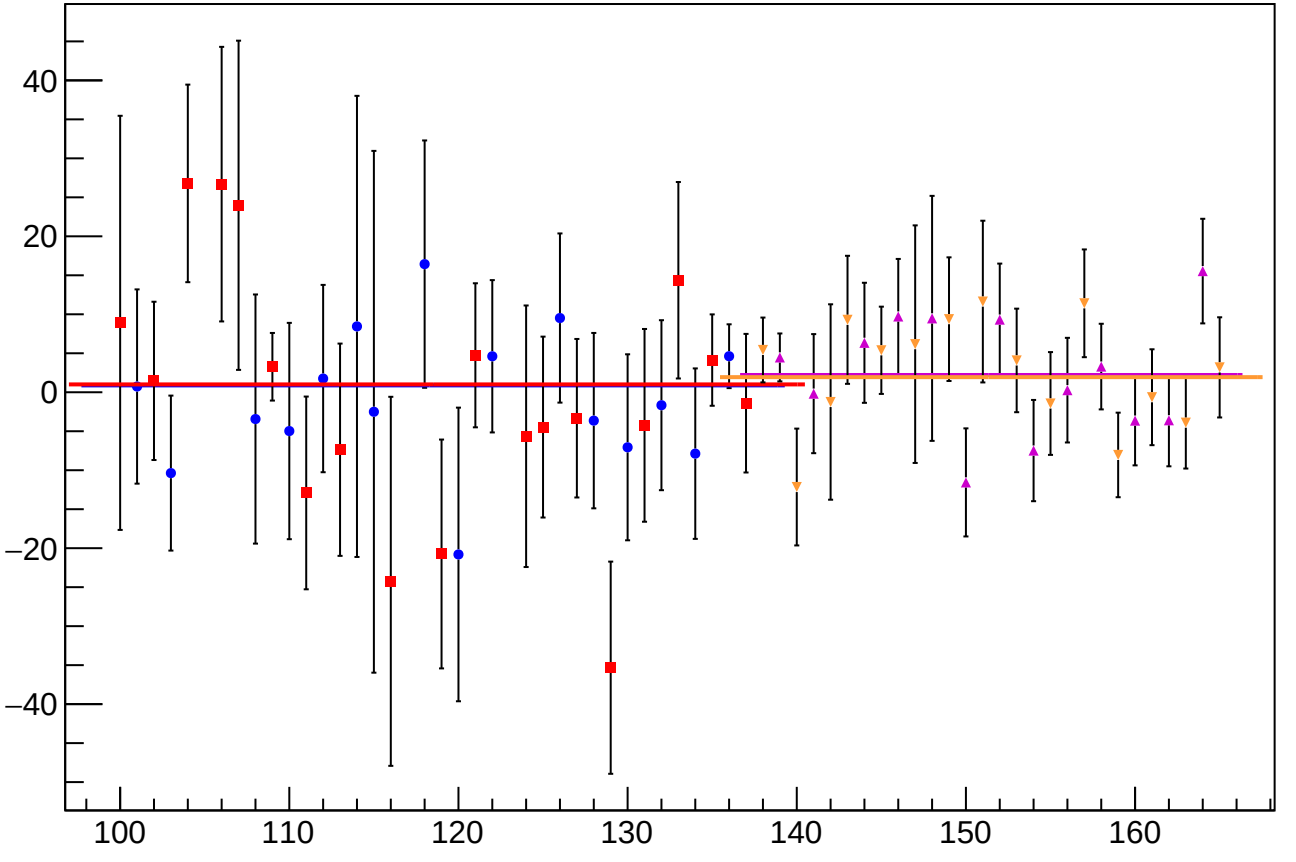
+ sign -12.245+/-2.201 χ^2/NDF: 54.4/30

All: -7.812+/-1.590 χ^2/NDF: 90.2/62

- sign -2.970+/-2.300 χ^2/NDF: 27.3/31


diff_bpm1X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8350.170+/-1.731 χ²/NDF:234662.1/14
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8401.098+/-1.807 χ²/NDF:224540.2/12
+ sign 9208.065+/-1.556 χ²/NDF: 2759202.3/30
All: 9316.738+/-1.124 χ²/NDF: 5815246.9/62
- sign 9435.452+/-1.626 χ²/NDF: 3045838.2/31

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.937+/-1.719 χ^2/NDF:14.1/14

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

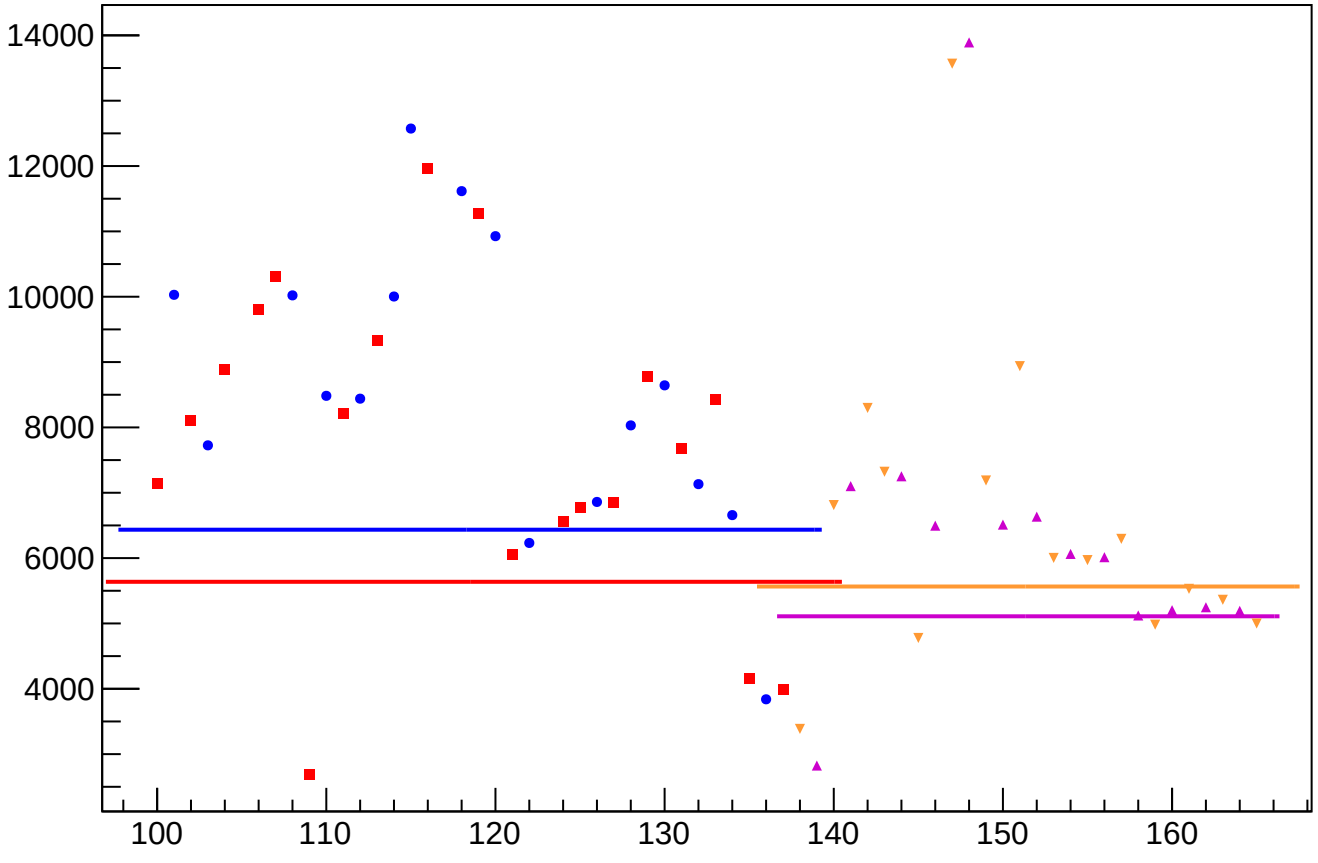
Left In: 2.214+/-1.660 χ^2/NDF:15.4/12

+ sign 1.610+/-1.428 χ^2/NDF: 21.1/30

All: 1.712+/-0.981 χ^2/NDF: 59.0/62

- sign 1.803+/-1.349 χ^2/NDF: 37.9/31

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5565.208+/-1.215 χ^2/NDF:1758213.1/14

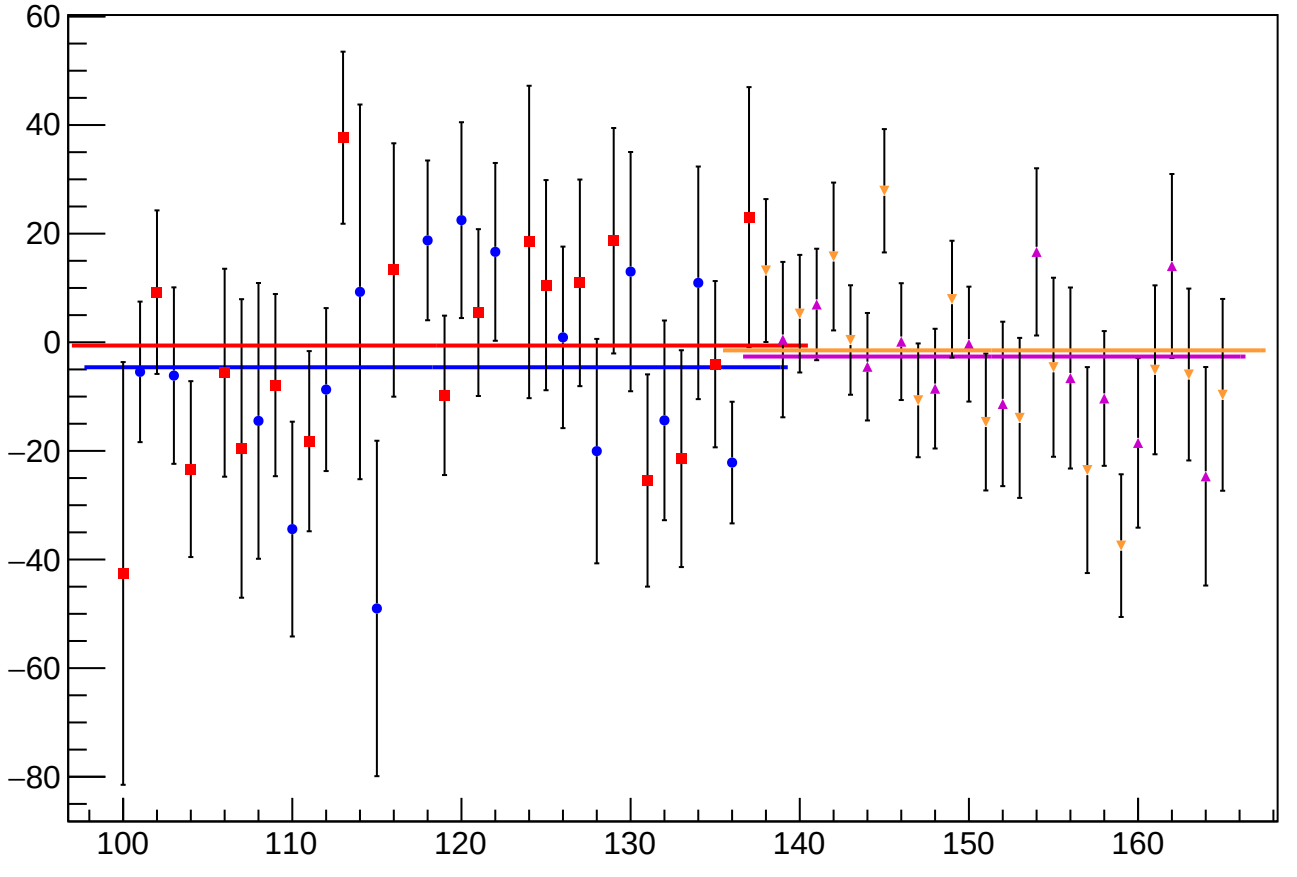
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5109.367+/-1.174 χ^2/NDF:2345546.1/12

+ sign 5834.405+/-1.010 χ^2/NDF: 3667293.4/30

All: 5546.060+/-0.693 χ^2/NDF: 8815920.7/62

- sign 5288.776+/-0.954 χ^2/NDF: 4994305.7/31



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.489+/-3.342 χ^2/NDF:22.6/14

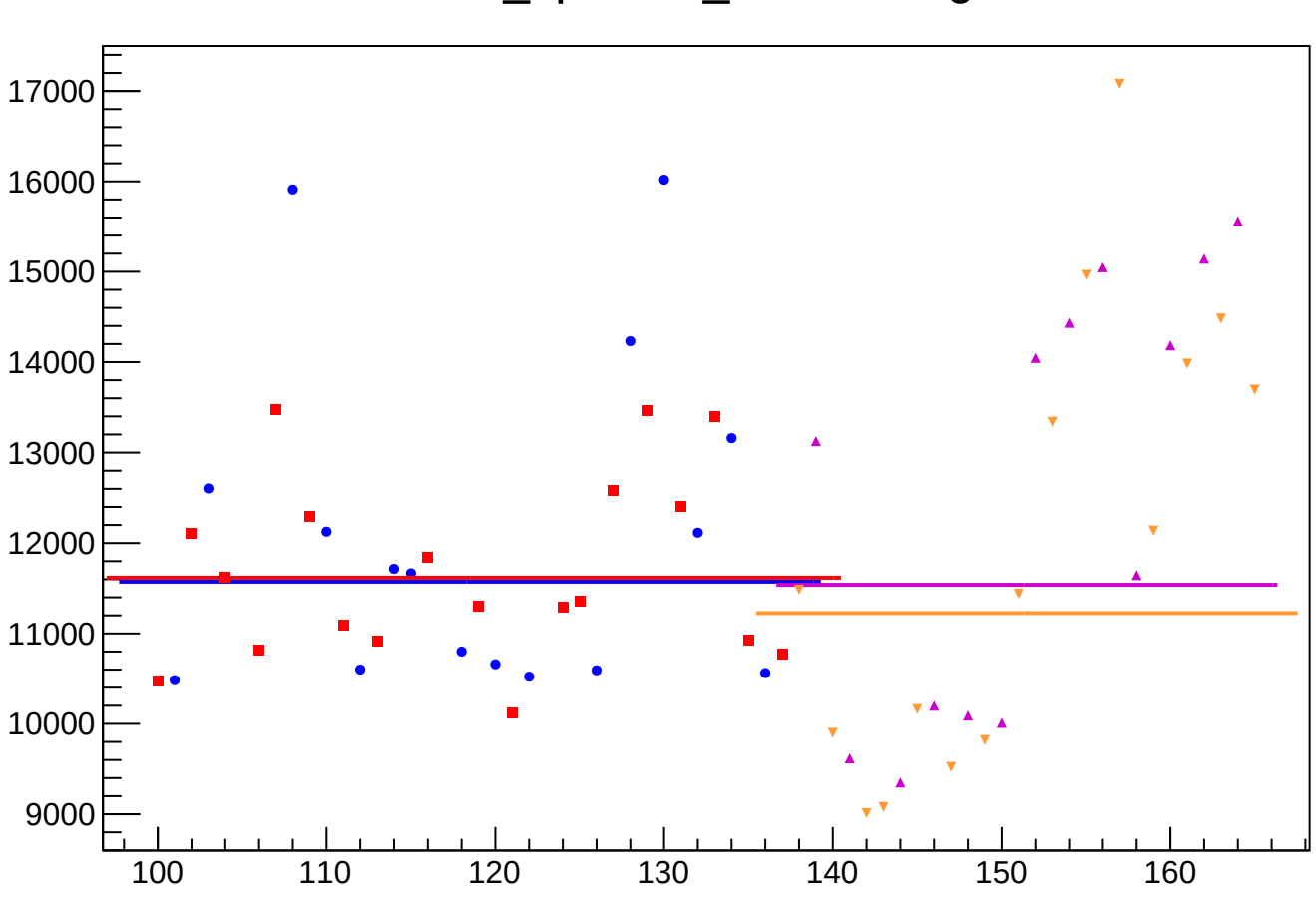
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -2.629+/-3.555 χ^2/NDF:6.9/12

+ sign -2.643+/-2.651 χ^2/NDF: 38.7/30

All: -2.233+/-1.902 χ^2/NDF: 63.6/62

- sign -1.798+/-2.731 χ^2/NDF: 24.9/31



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11225.107+/-2.363 χ^2/NDF:810562.8/14

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

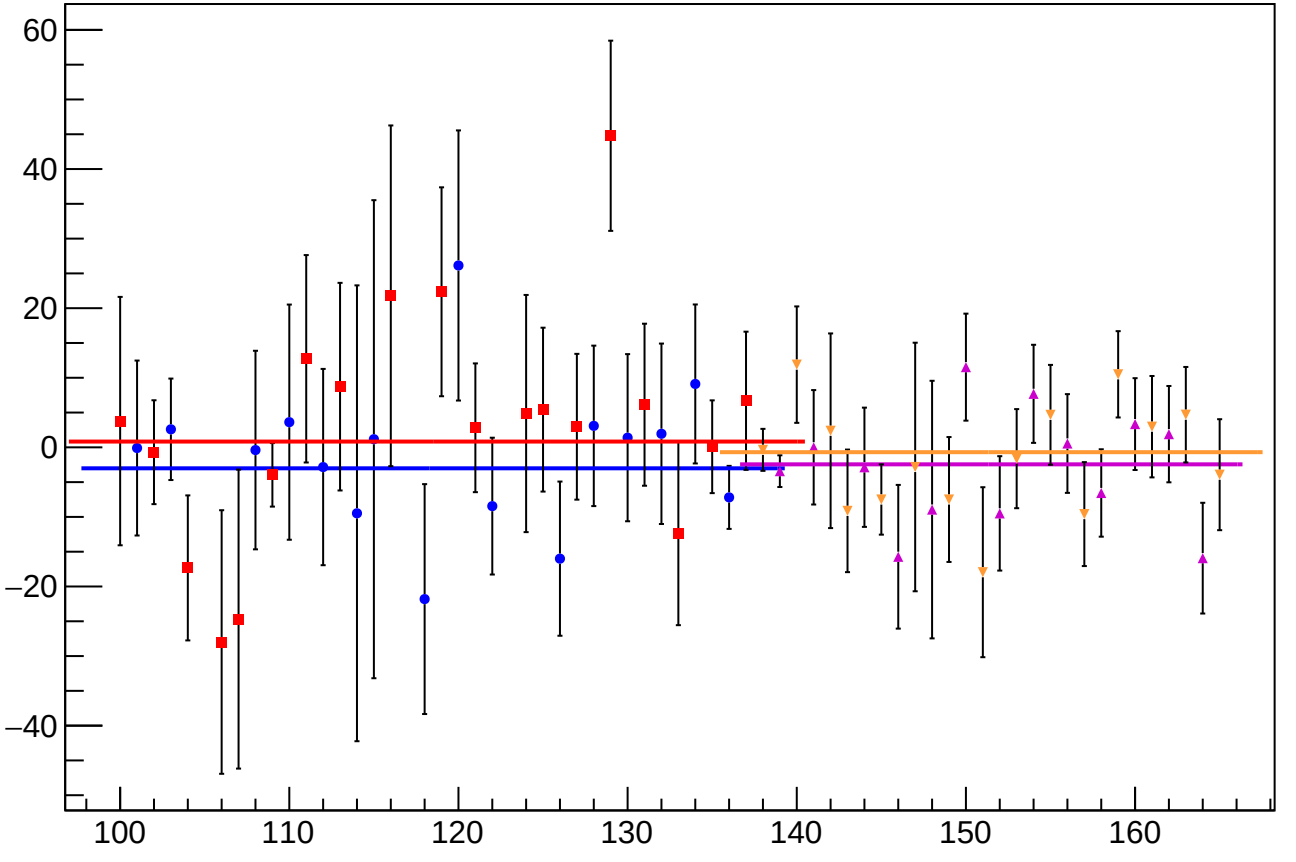
Left In: 11537.931+/-2.514 χ^2/NDF:742140.2/12

\+ sign 11354.061+/-1.875 χ^2/NDF: 1078667.1/30

All: 11458.935+/-1.345 χ^2/NDF: 1920828.0/6

\- sign 11570.235+/-1.931 χ^2/NDF: 835709.0/31

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.695+/-1.709 χ^2/NDF:13.9/14

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

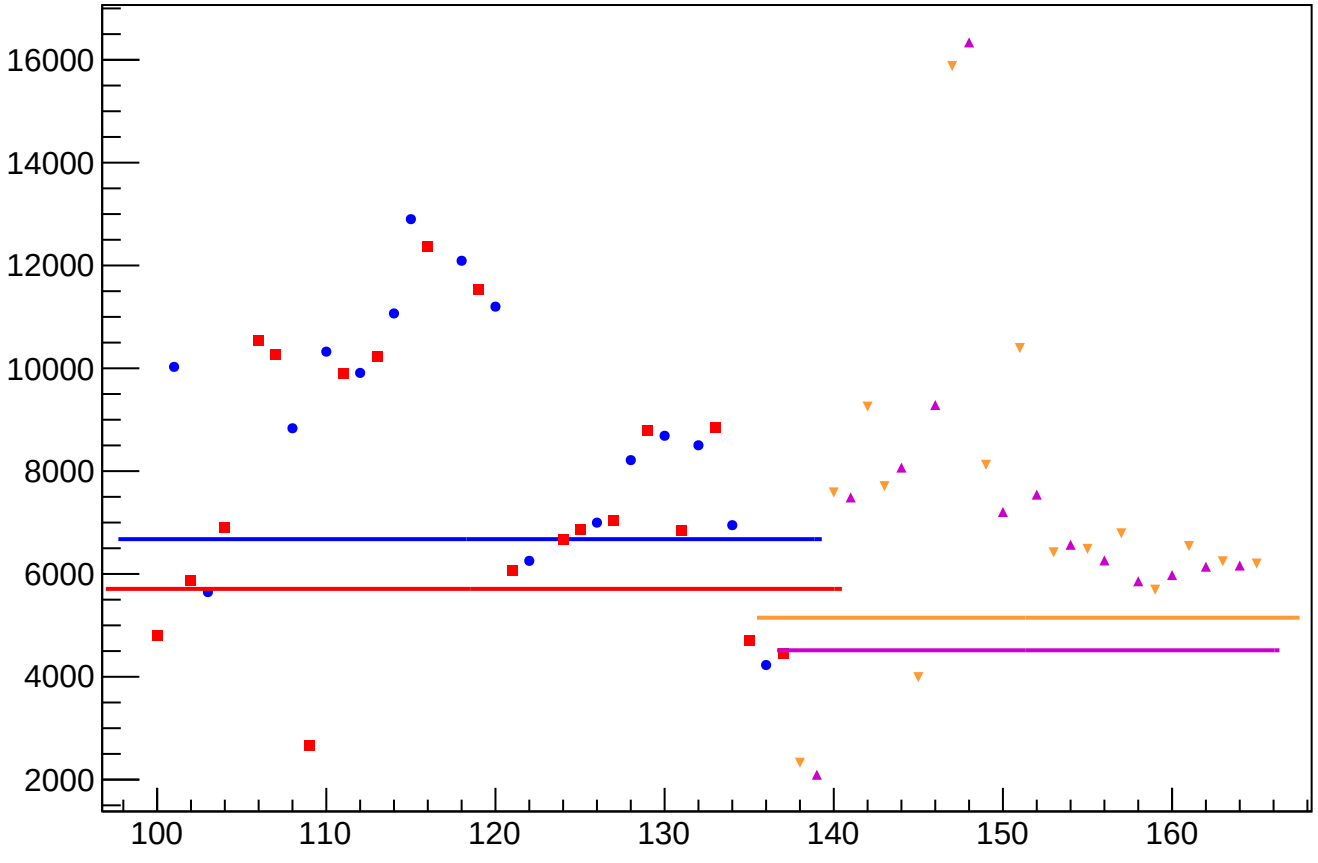
Left In: -2.443+/-1.602 χ^2/NDF:12.8/12

+ sign -1.375+/-1.437 χ^2/NDF: 23.1/30

All: -1.391+/-0.974 χ^2/NDF: 61.1/62

- sign -1.405+/-1.324 χ^2/NDF: 37.9/31

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5148.964+/-1.209 χ^2/NDF:4077845.5/14

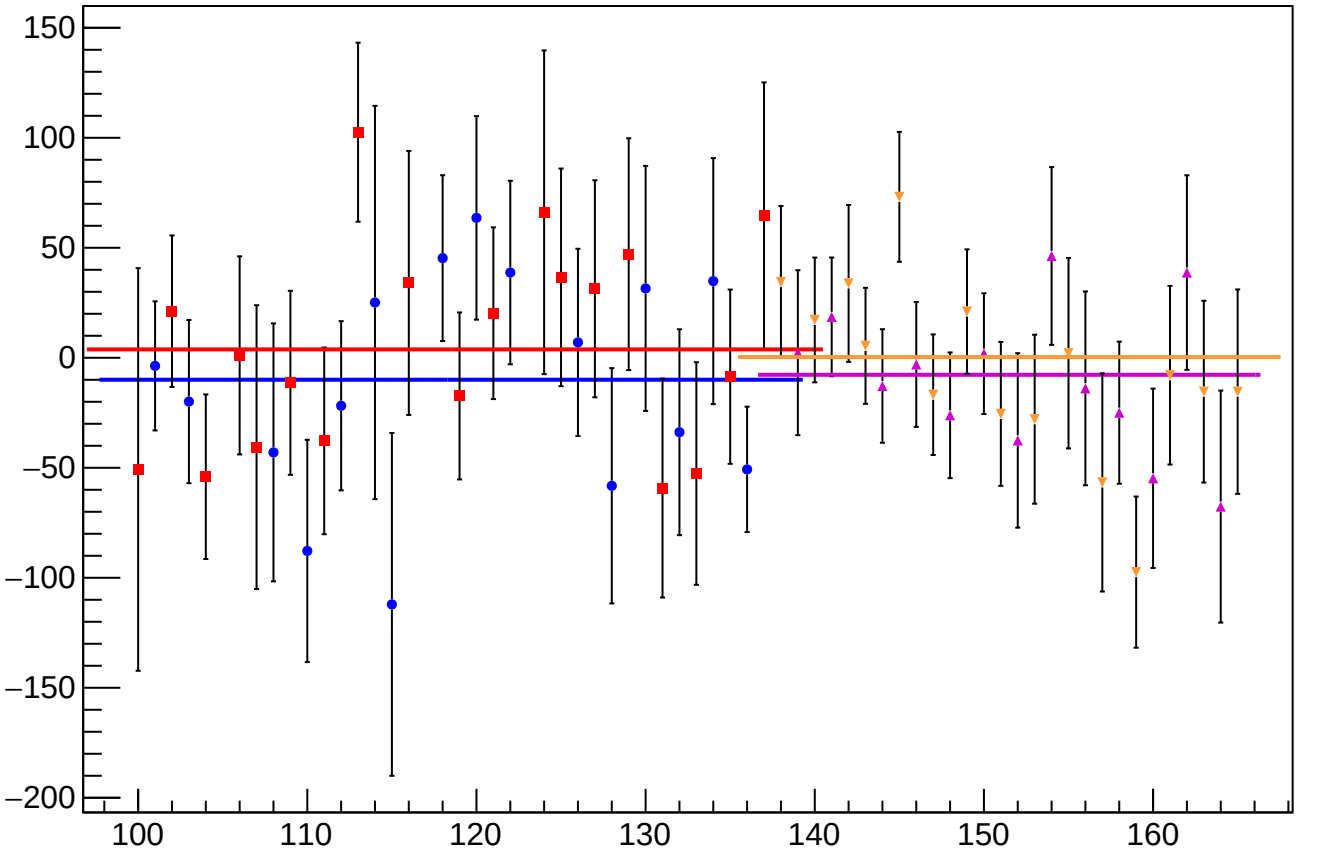
Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4515.492+/-1.133 χ^2/NDF:5294737.6/12

+ sign 5596.862+/-1.016 χ^2/NDF: 6119304.2/30

All: 5216.729+/-0.688 χ^2/NDF: 14326249.3/6

- sign 4894.031+/-0.936 χ^2/NDF: 7948149.2/31



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.339+/-8.740 χ^2/NDF:20.1/14

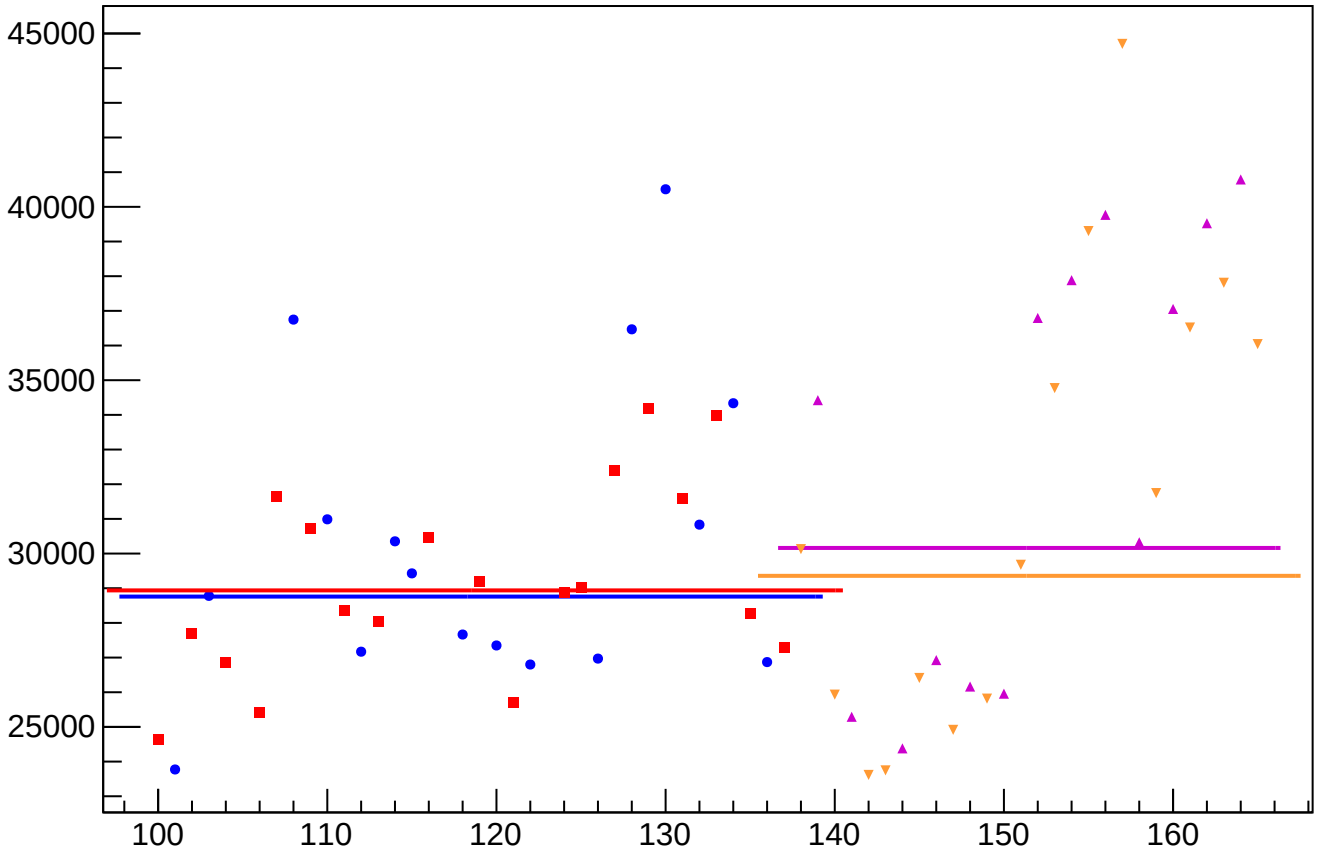
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -7.729+/-9.295 χ^2/NDF:8.0/12

+ sign -3.724+/-6.803 χ^2/NDF: 36.0/30

All: -3.242+/-4.878 χ^2/NDF: 62.0/62

- sign -2.731+/-6.999 χ^2/NDF: 26.0/31



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29357.532+/-6.180 χ^2/NDF:810258.4/14

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

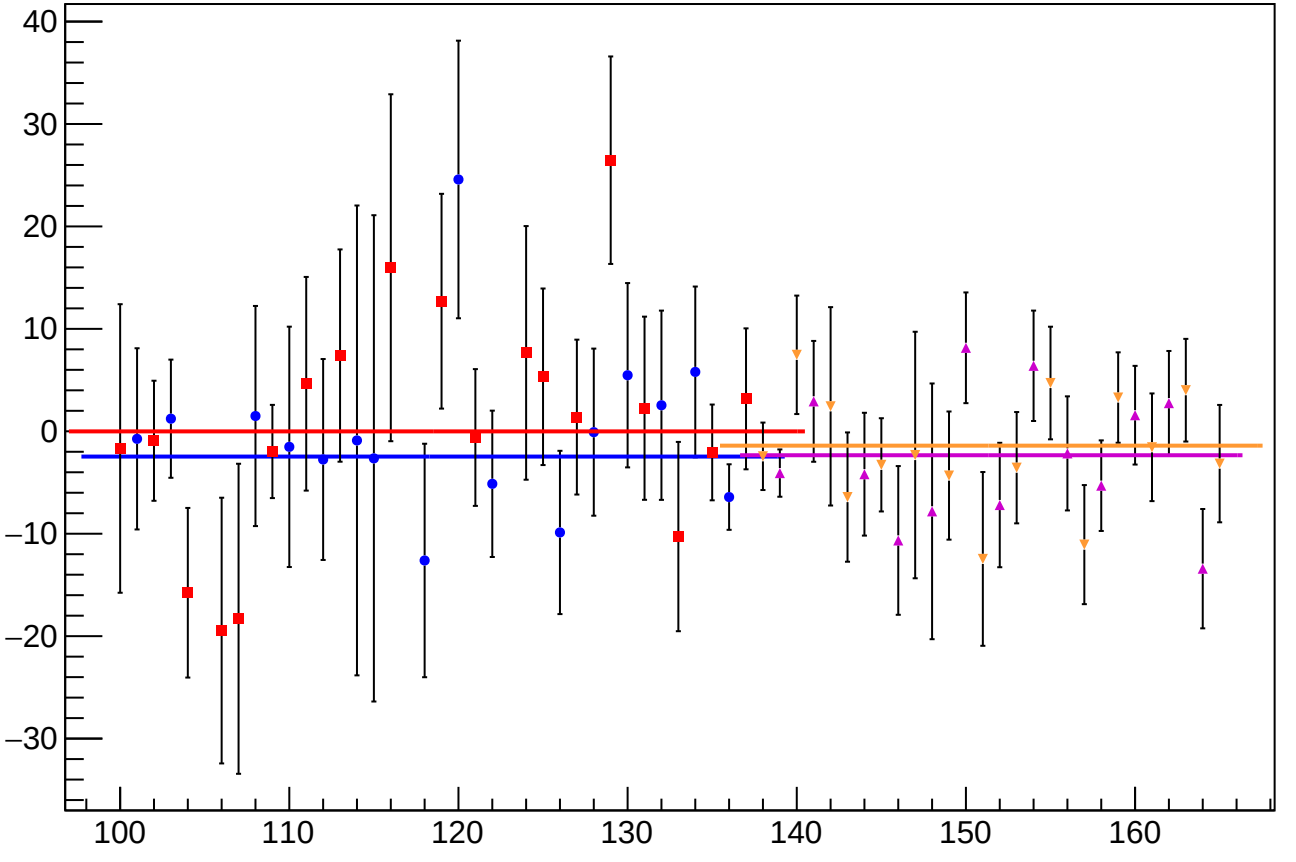
Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

+ sign 29121.652+/-4.811 χ^2/NDF: 1091593.8/30

All: 29369.459+/-3.450 χ^2/NDF: 1974129.8/6

- sign 29631.738+/-4.949 χ^2/NDF: 877074.0/31

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.402+/-1.405 χ^2/NDF:11.9/14

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

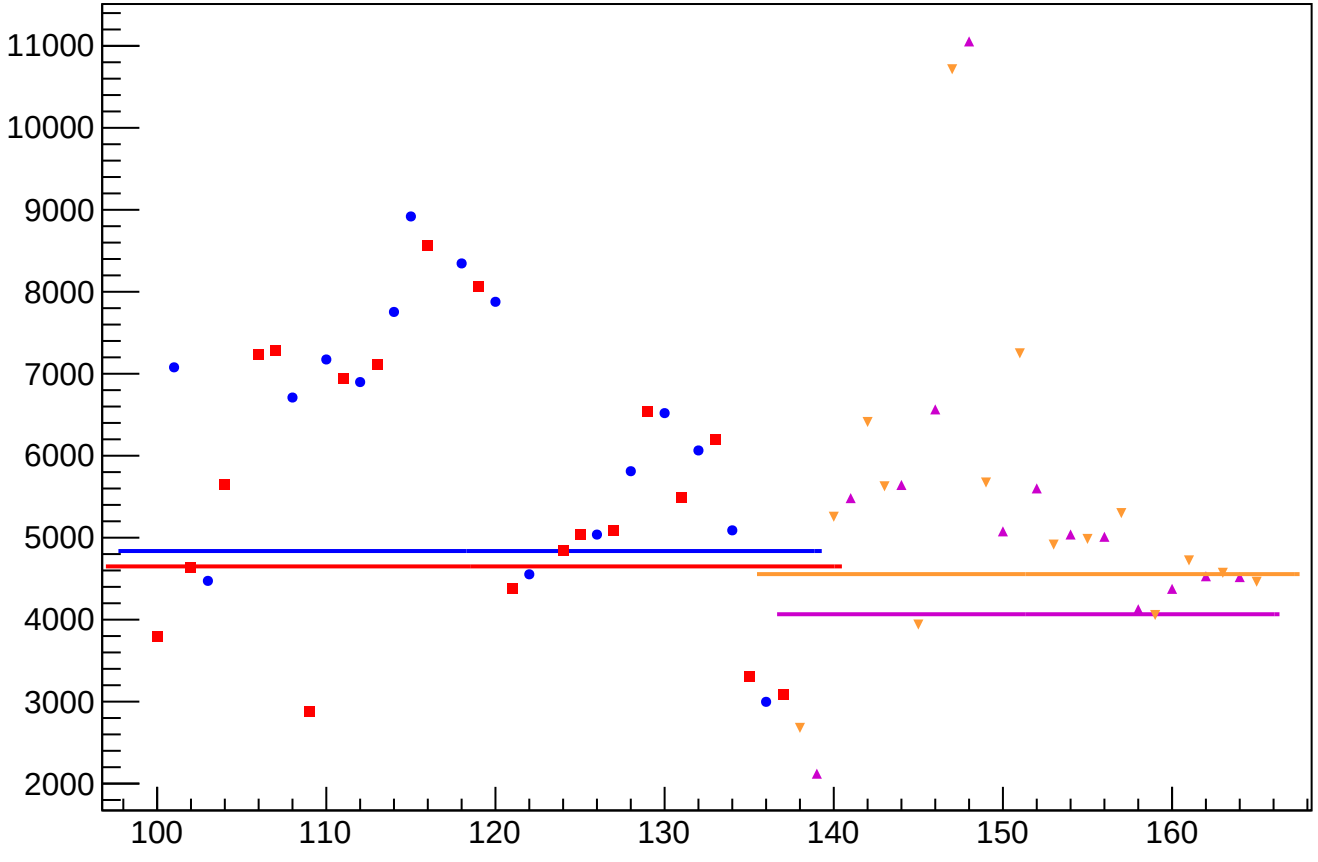
Left In: -2.337+/-1.336 χ^2/NDF:15.7/12

+ sign -1.774+/-1.133 χ^2/NDF: 22.1/30

All: -1.644+/-0.781 χ^2/NDF: 58.9/62

- sign -1.526+/-1.079 χ^2/NDF: 36.7/31

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4555.644+/-0.993 χ^2/NDF:1717390.5/14

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

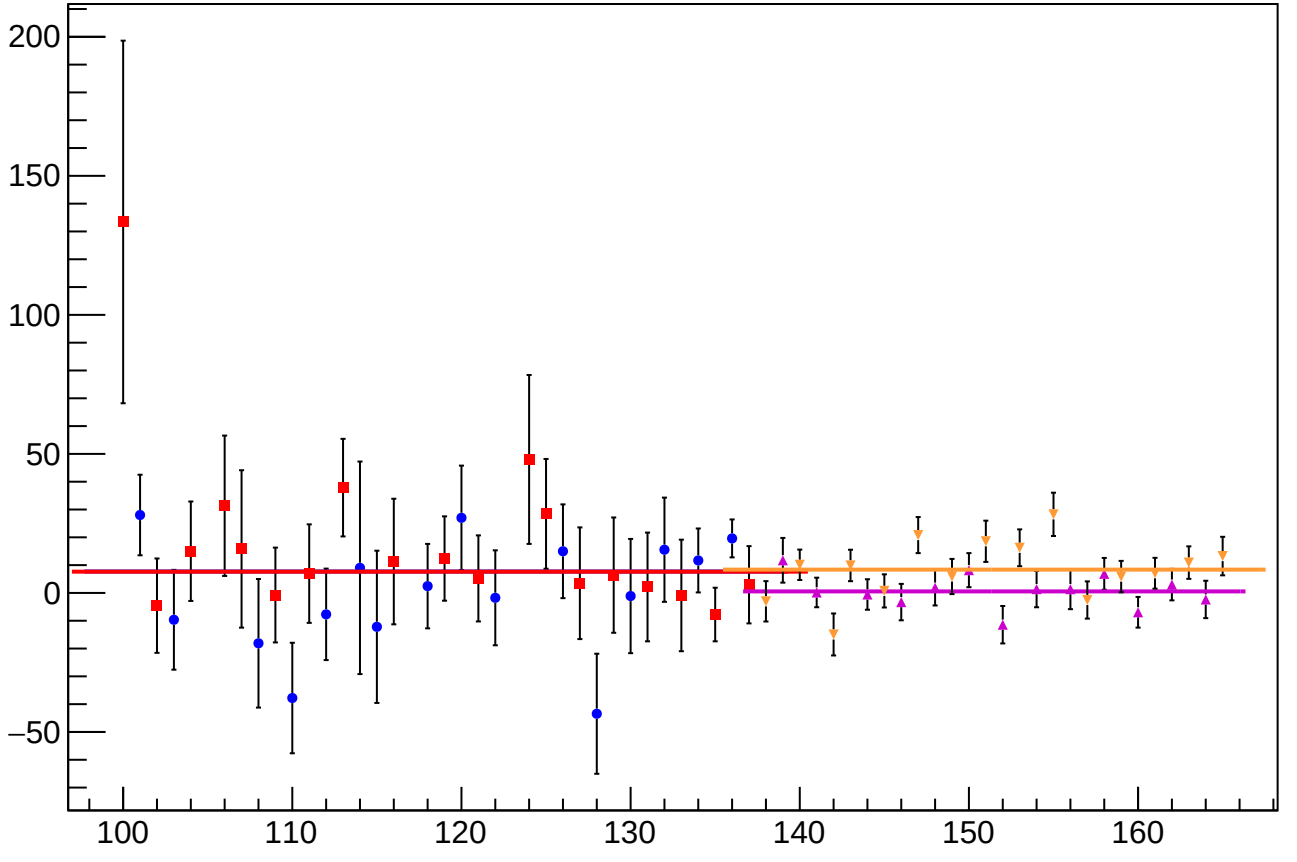
Left In: 4066.061+/-0.945 χ^2/NDF:2895098.9/12

+ sign 4654.073+/-0.801 χ^2/NDF: 3293252.1/30

All: 4452.340+/-0.552 χ^2/NDF: 7876705.3/62

- sign 4269.310+/-0.763 χ^2/NDF: 4462455.0/31

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.385+/-1.640 χ^2/NDF:31.1/14

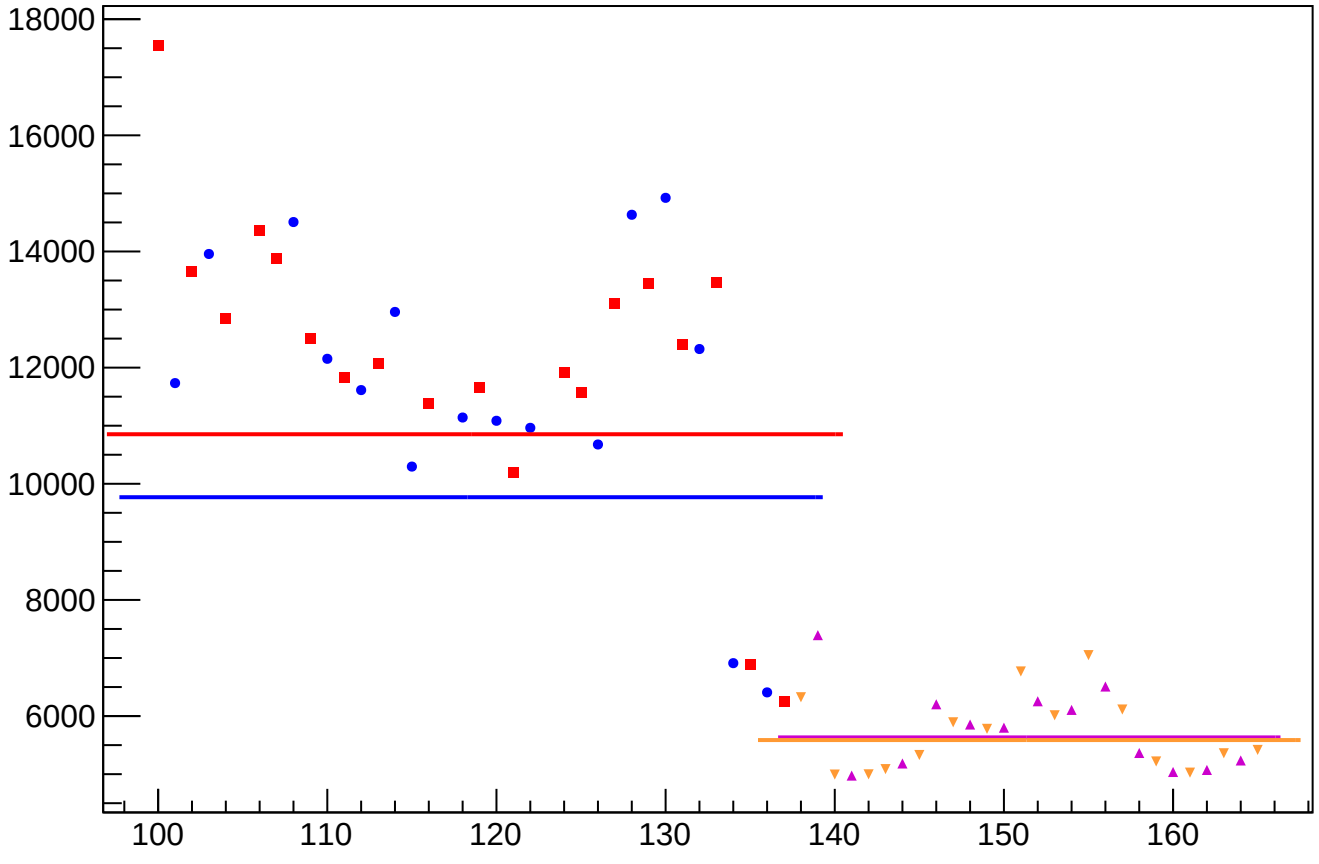
Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: 0.550+/-1.715 χ^2/NDF:10.6/12

+ sign 8.278+/-1.507 χ^2/NDF: 52.7/30

All: 5.106+/-1.091 χ^2/NDF: 89.7/62

- sign 1.607+/-1.582 χ^2/NDF: 27.7/31



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5587.110+/-1.159 χ^2/NDF:257370.0/14

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

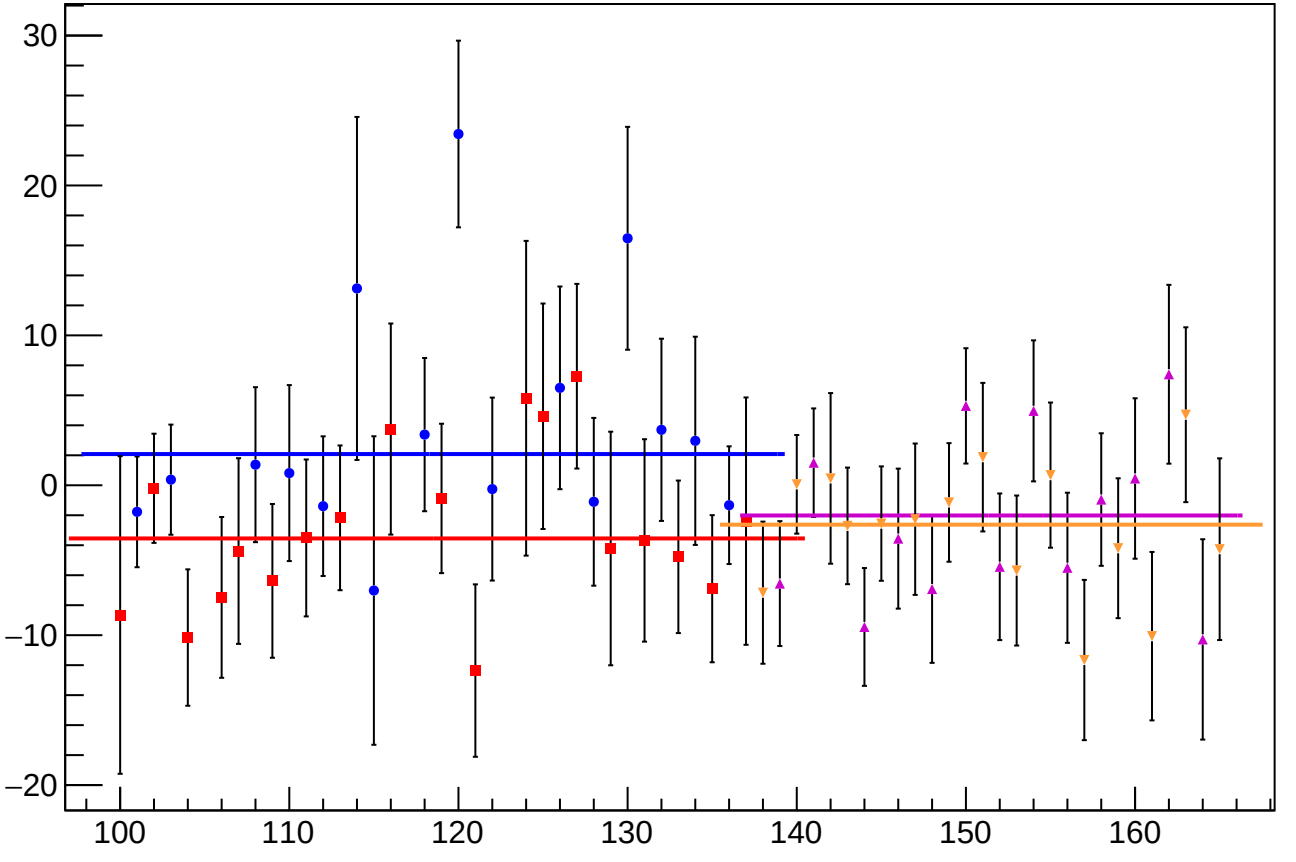
Left In: 5632.815+/-1.213 χ^2/NDF:270419.7/12

+ sign 6237.658+/-1.065 χ^2/NDF: 3495091.1/30

All: 6319.841+/-0.772 χ^2/NDF: 7412729.0/62

- sign 6410.473+/-1.119 χ^2/NDF: 3905124.2/31

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.628+/-1.197 χ^2/NDF:10.1/14

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

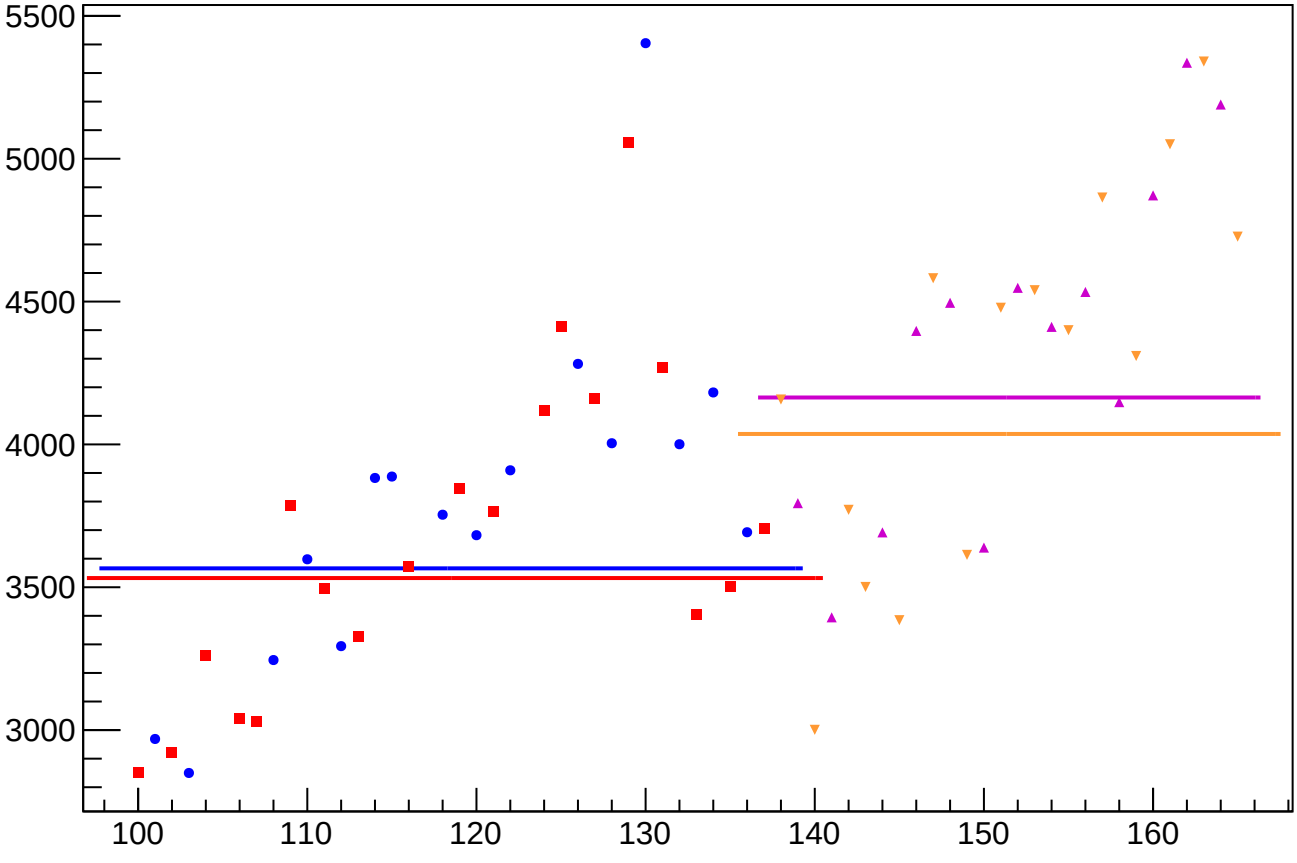
Left In: -2.015+/-1.273 χ^2/NDF:17.9/12

+ sign -0.547+/-0.894 χ^2/NDF: 37.9/30

All: -1.634+/-0.638 χ^2/NDF: 72.9/62

- sign -2.762+/-0.911 χ^2/NDF: 32.1/31

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4036.581+/-0.846 χ^2/NDF:639490.5/14

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

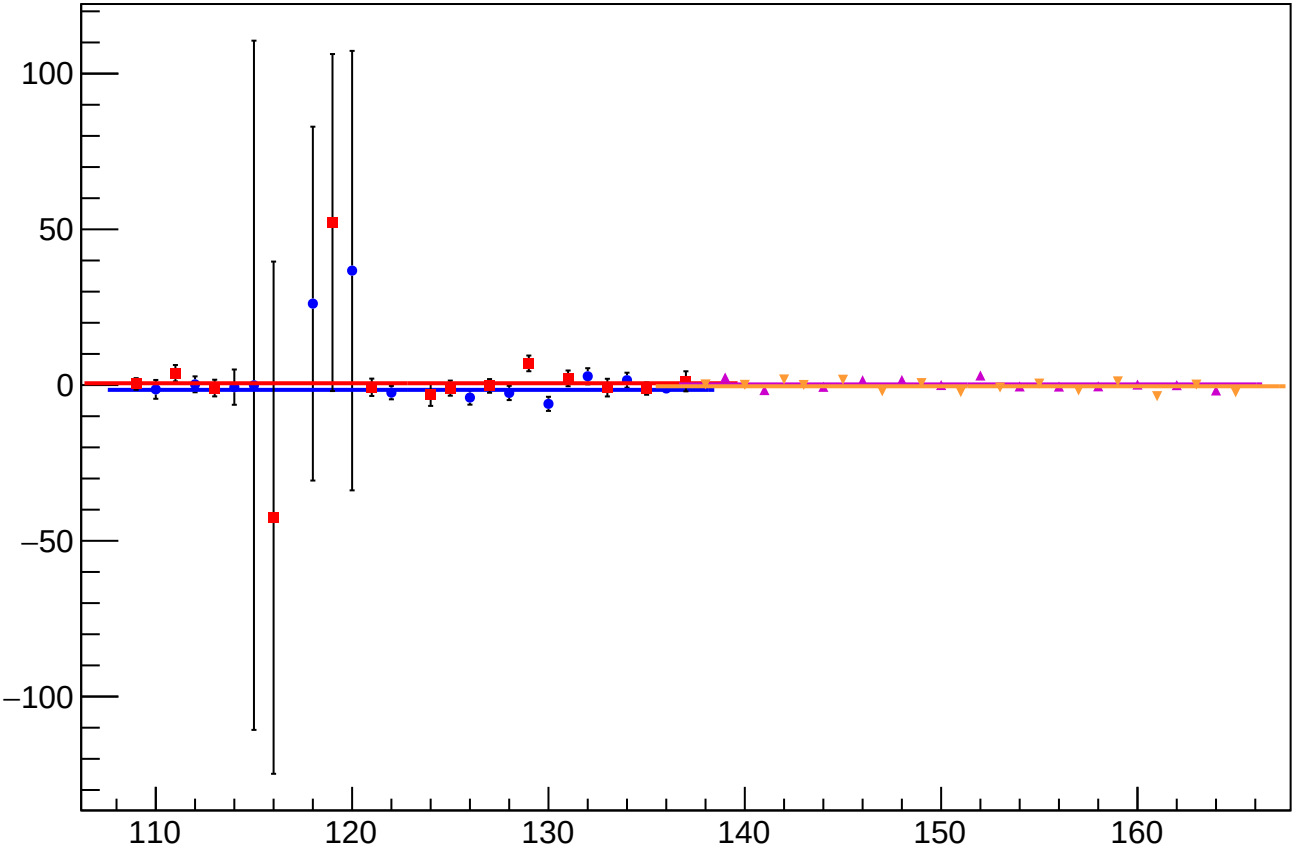
Left In: 4164.211+/-0.900 χ^2/NDF:374383.4/12

+ sign 3828.766+/-0.632 χ^2/NDF: 1117117.0/30

All: 3842.016+/-0.451 χ^2/NDF: 2011566.5/62

- sign 3855.773+/-0.644 χ^2/NDF: 893554.2/31

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.383+/-0.297 χ^2/NDF:26.1/14

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

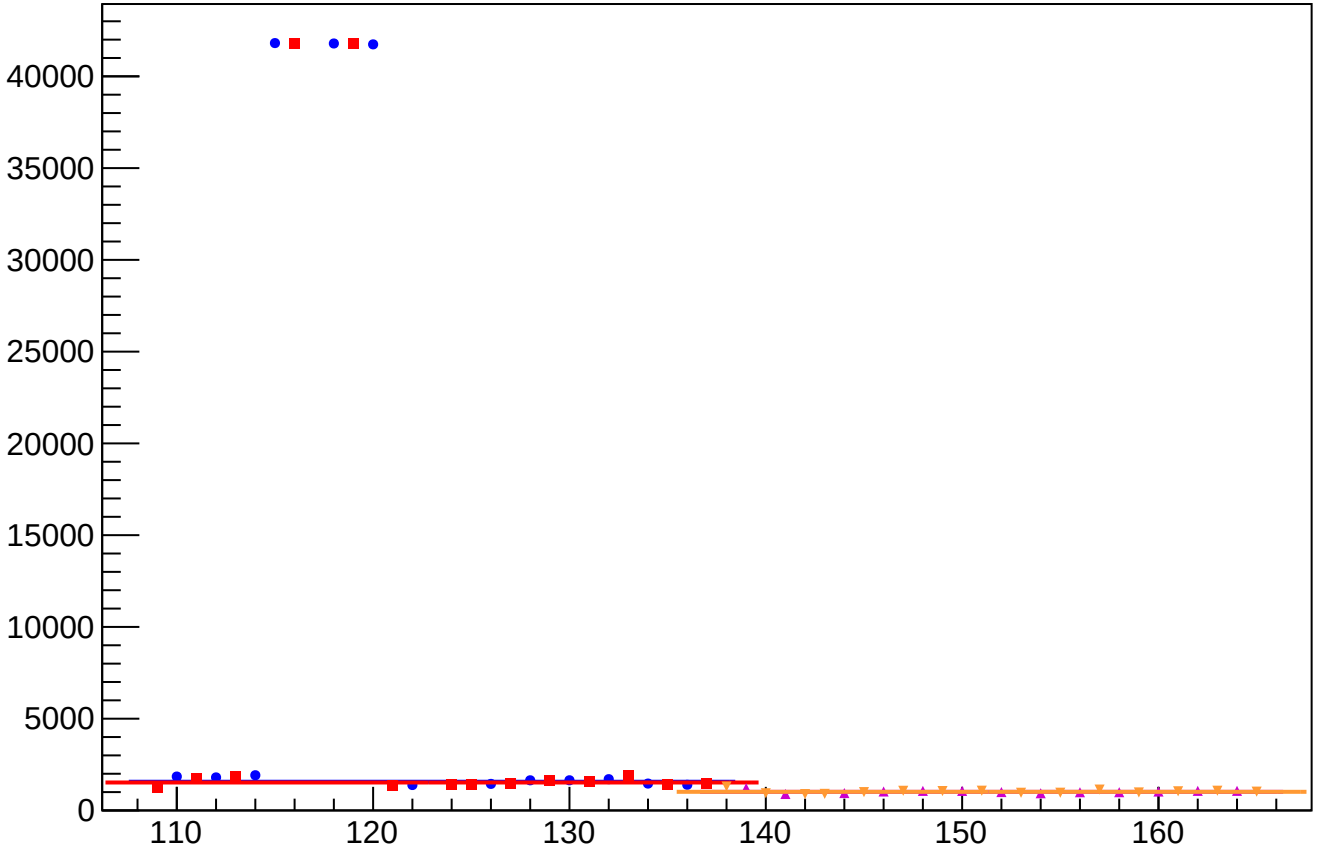
Left In: 0.217+/-0.307 χ^2/NDF:20.2/12

+ sign -0.546+/-0.275 χ^2/NDF: 39.3/27

All: -0.146+/-0.197 χ^2/NDF: 76.7/54

- sign 0.274+/-0.282 χ^2/NDF: 33.1/26

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1015.655+/-0.210 χ^2/NDF:177346.8/14

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

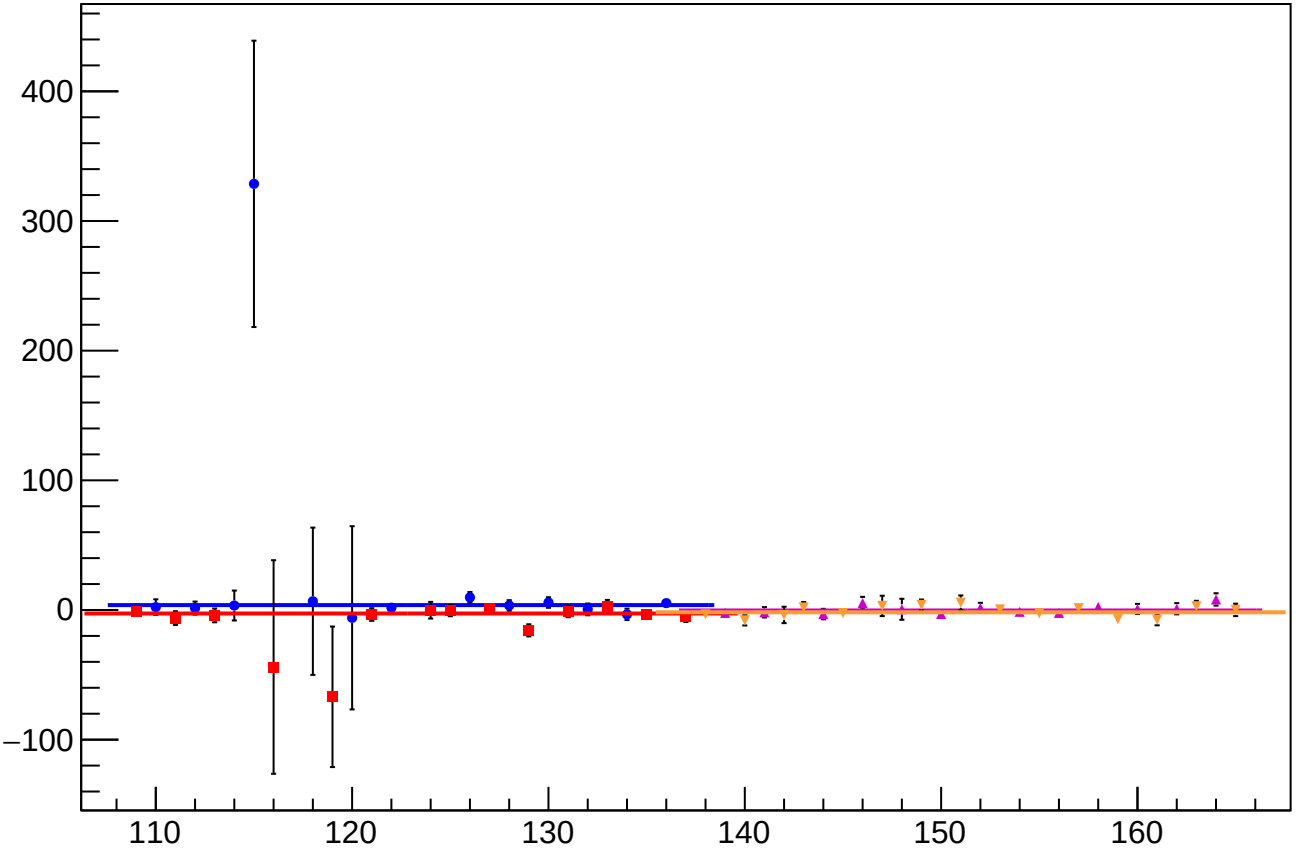
Left In: 1012.699+/-0.217 χ^2/NDF:114310.5/12

+ sign 1093.178+/-0.195 χ^2/NDF: 3157273.8/27

All: 1092.590+/-0.139 χ^2/NDF: 5869219.9/54

- sign 1091.971+/-0.200 χ^2/NDF: 2711927.4/26

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.770+/-0.994 χ^2/NDF:14.0/14

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

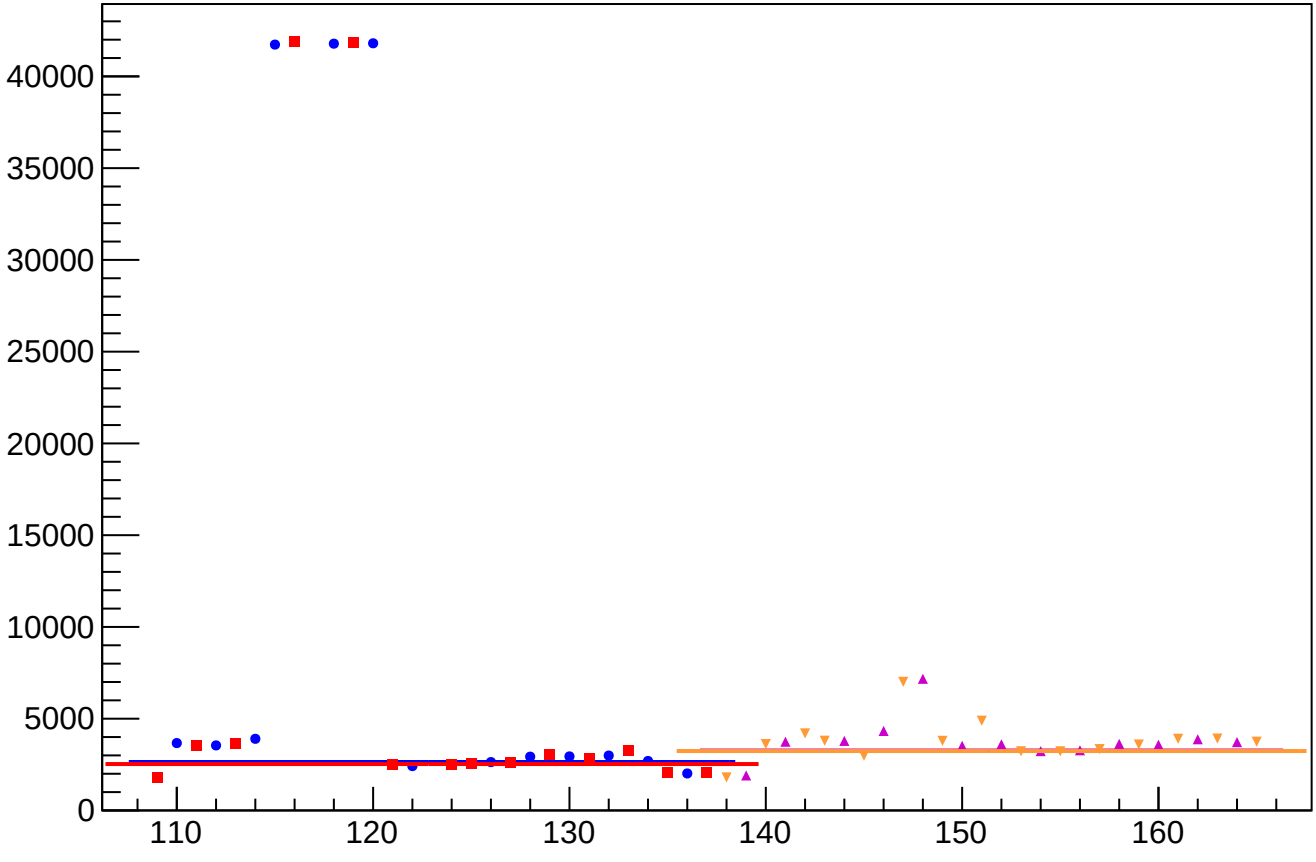
Left In: -0.368+/-1.036 χ^2/NDF:7.8/12

+ sign 0.381+/-0.777 χ^2/NDF: 41.3/27

All: -0.477+/-0.553 χ^2/NDF: 67.3/54

- sign -1.357+/-0.787 χ^2/NDF: 23.5/26

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3237.769+/-0.703 χ^2/NDF:1858321.5/14

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

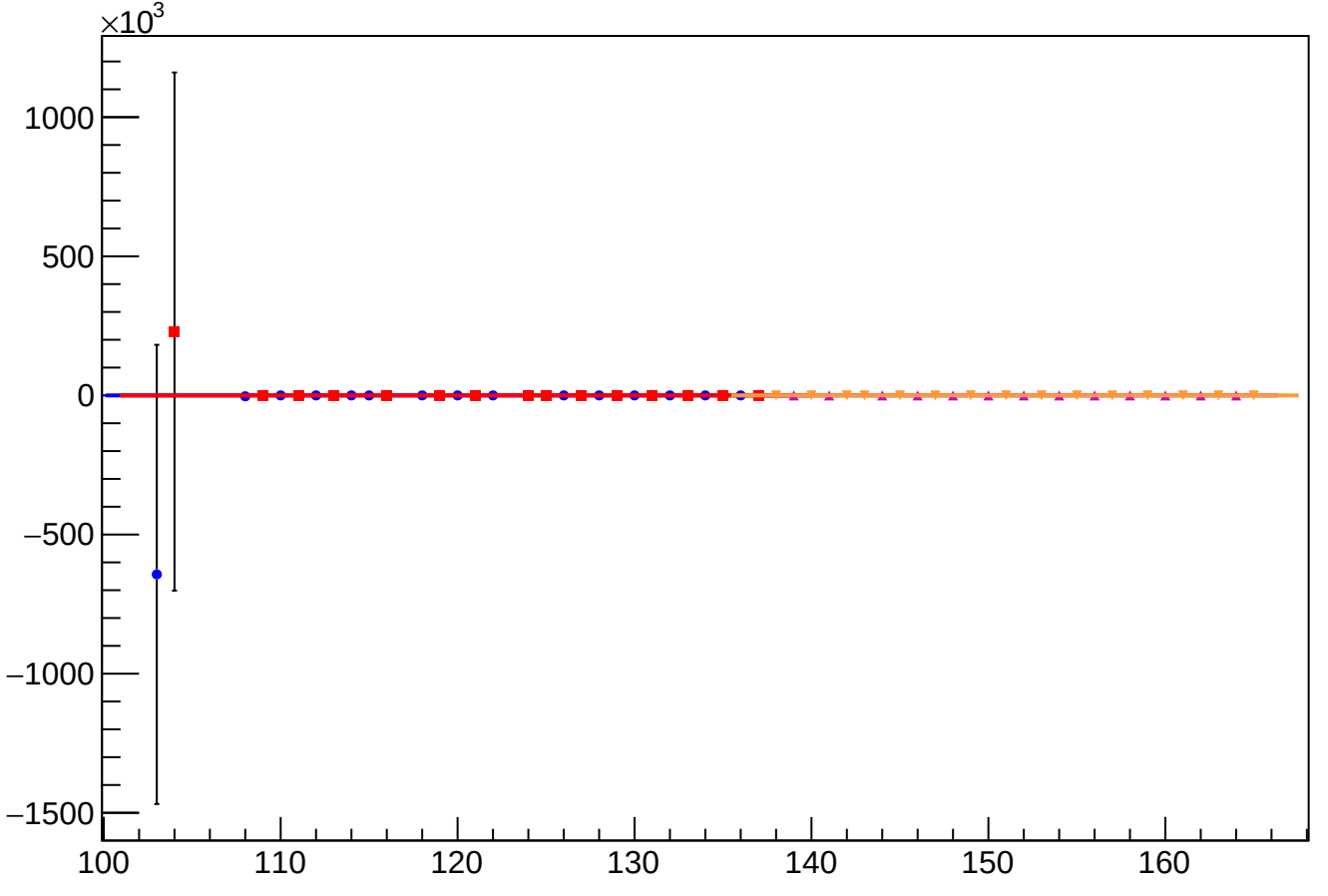
Left In: 3267.165+/-0.733 χ^2/NDF:1567440.4/12

\+ sign 3005.913+/-0.550 χ^2/NDF: 4312512.6/27

All: 2980.844+/-0.391 χ^2/NDF: 8263100.6/54

\- sign 2955.132+/-0.557 χ^2/NDF: 3946375.3/26

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.167+/-0.463 χ^2/NDF:26.9/14

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

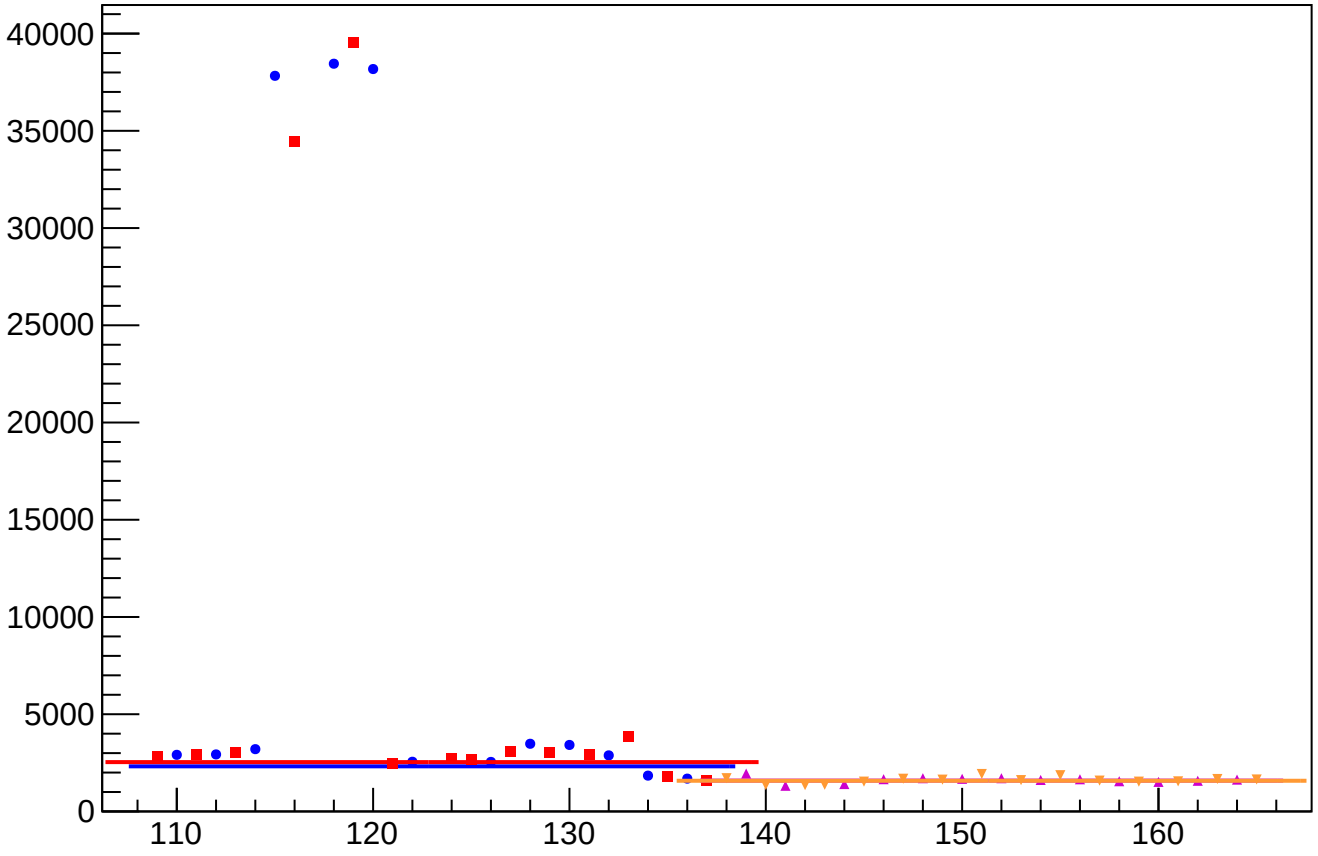
Left In: -0.089+/-0.482 χ^2/NDF:14.0/12

+ sign -2.030+/-0.428 χ^2/NDF: 46.3/29

All: -1.273+/-0.309 χ^2/NDF: 85.3/57

- sign -0.443+/-0.448 χ^2/NDF: 32.4/27

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1578.506+/-0.327 χ^2/NDF:225490.1/14

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

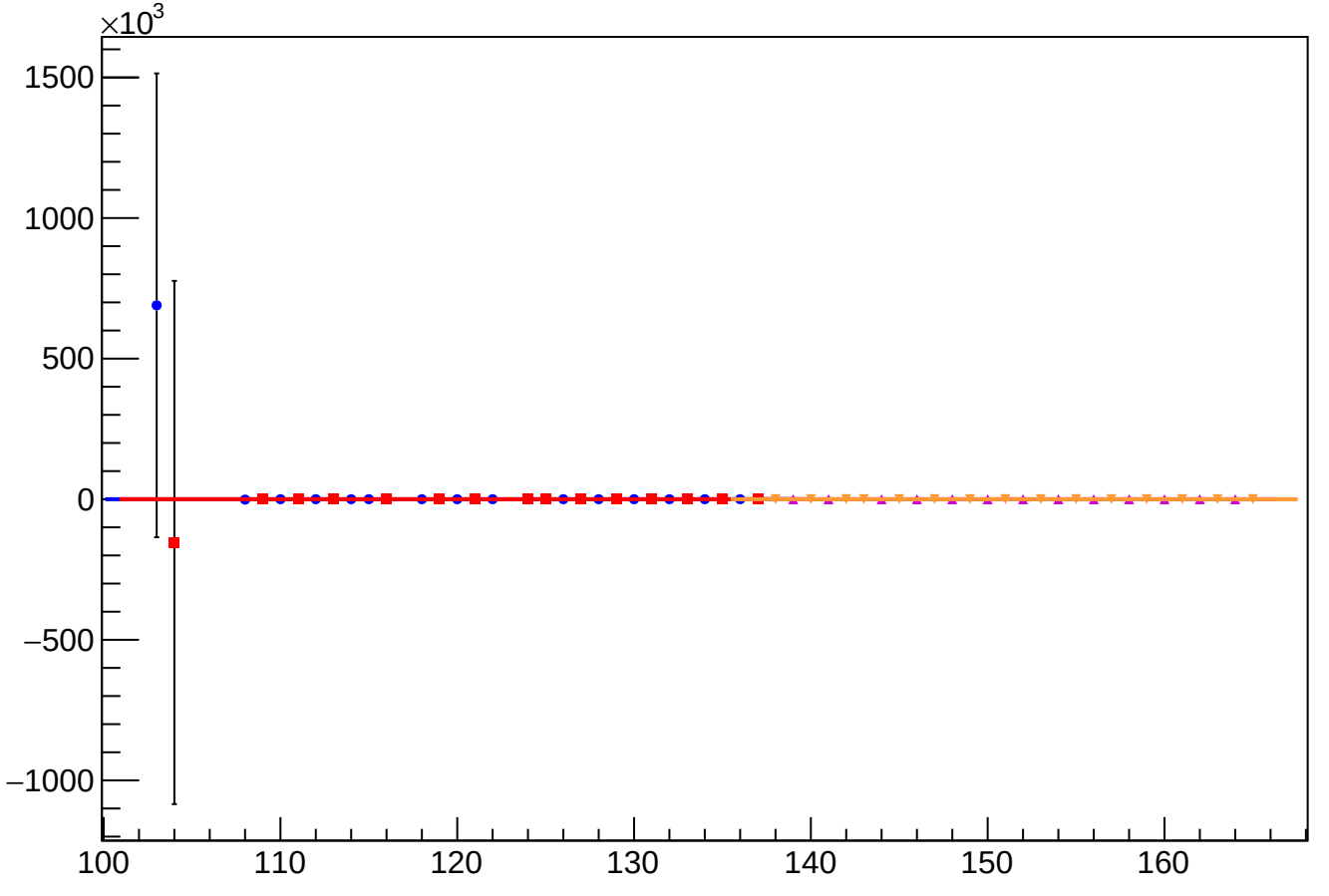
Left In: 1586.212+/-0.341 χ^2/NDF:191816.6/12

+ sign 1685.730+/-0.302 χ^2/NDF: 3430745.3/27

All: 1700.374+/-0.219 χ^2/NDF: 6730871.1/54

- sign 1716.442+/-0.317 χ^2/NDF: 3295210.3/26

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.836+/-0.636 χ^2/NDF:17.6/14

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

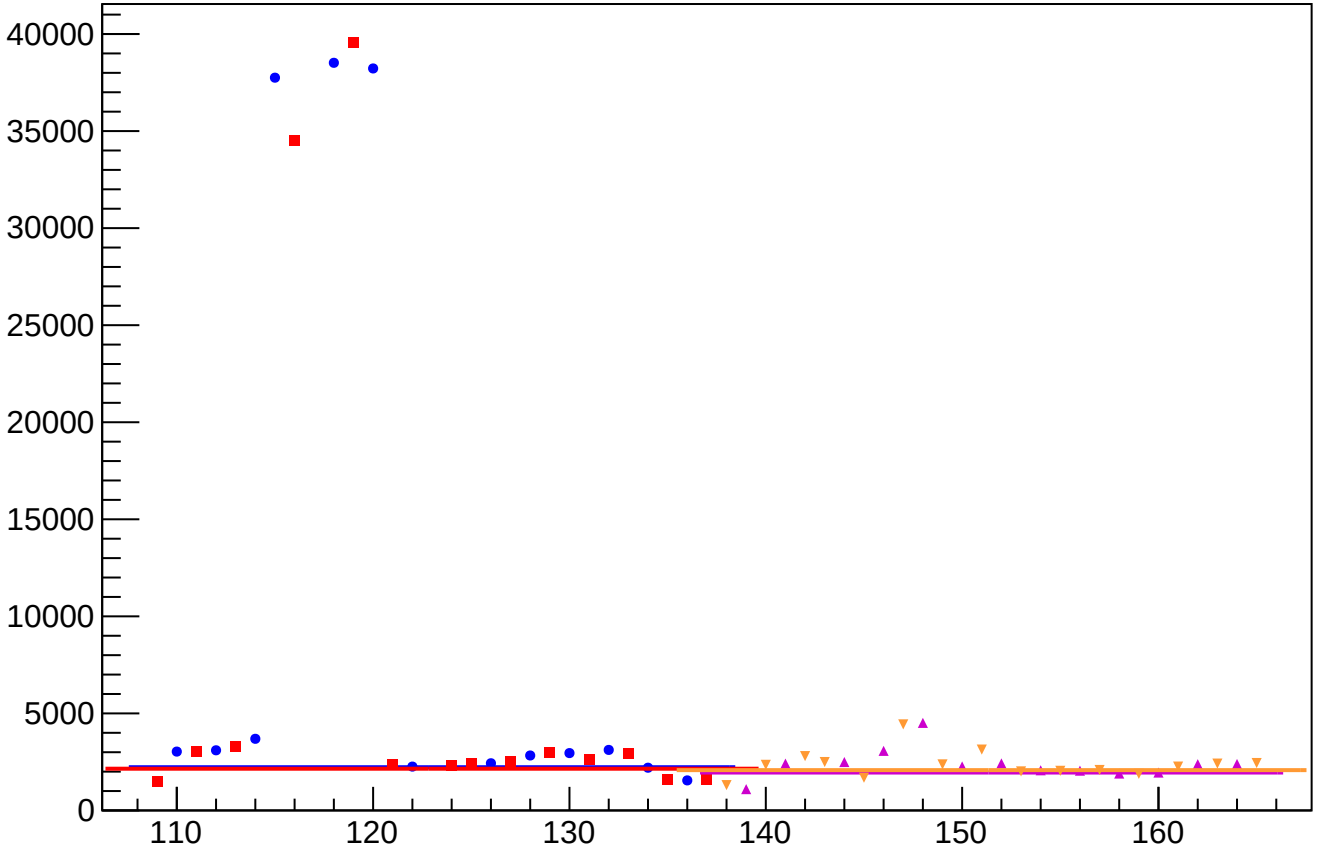
Left In: 0.306+/-0.628 χ^2/NDF:8.9/12

+ sign -0.178+/-0.548 χ^2/NDF: 26.8/29

All: -0.226+/-0.384 χ^2/NDF: 54.2/57

- sign -0.272+/-0.539 χ^2/NDF: 27.4/27

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2077.087+/-0.450 χ^2/NDF:1402657.2/14

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

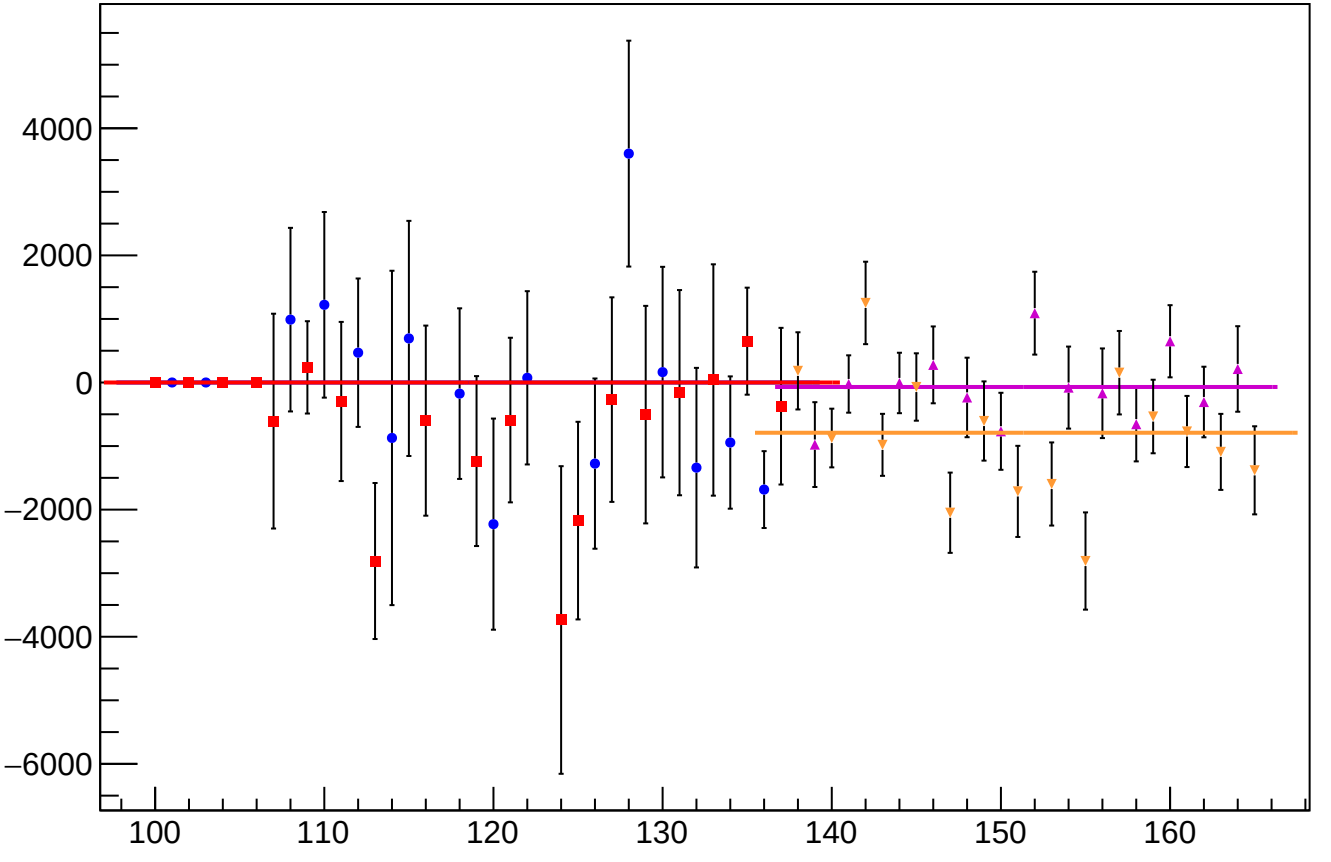
Left In: 1953.775+/-0.444 χ^2/NDF:2096279.5/12

+ sign 2115.863+/-0.387 χ^2/NDF: 3953678.9/27

All: 2059.888+/-0.272 χ^2/NDF: 8374216.0/54

- sign 2005.587+/-0.381 χ^2/NDF: 4379357.4/26

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -790.393+/-154.315 χ^2/NDF:32.0/14

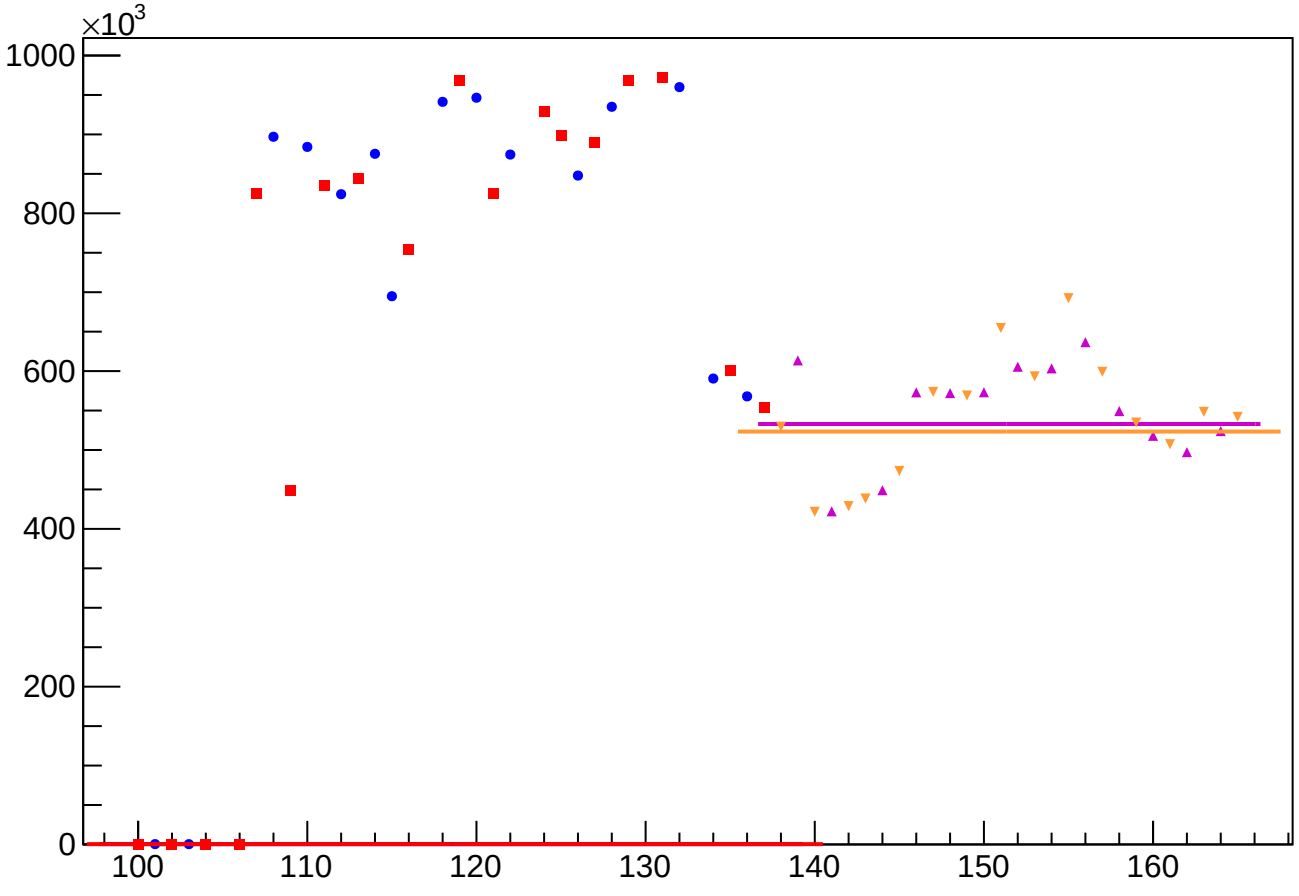
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -70.357+/-162.582 χ^2/NDF:9.8/12

+ sign 0.251+/-0.356 χ^2/NDF: 76.0/30

All: 0.167+/-0.241 χ^2/NDF: 101.4/62

- sign 0.096+/-0.328 χ^2/NDF: 25.4/31



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 523346.754+/-109.117 χ^2/NDF:463033.6/14

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

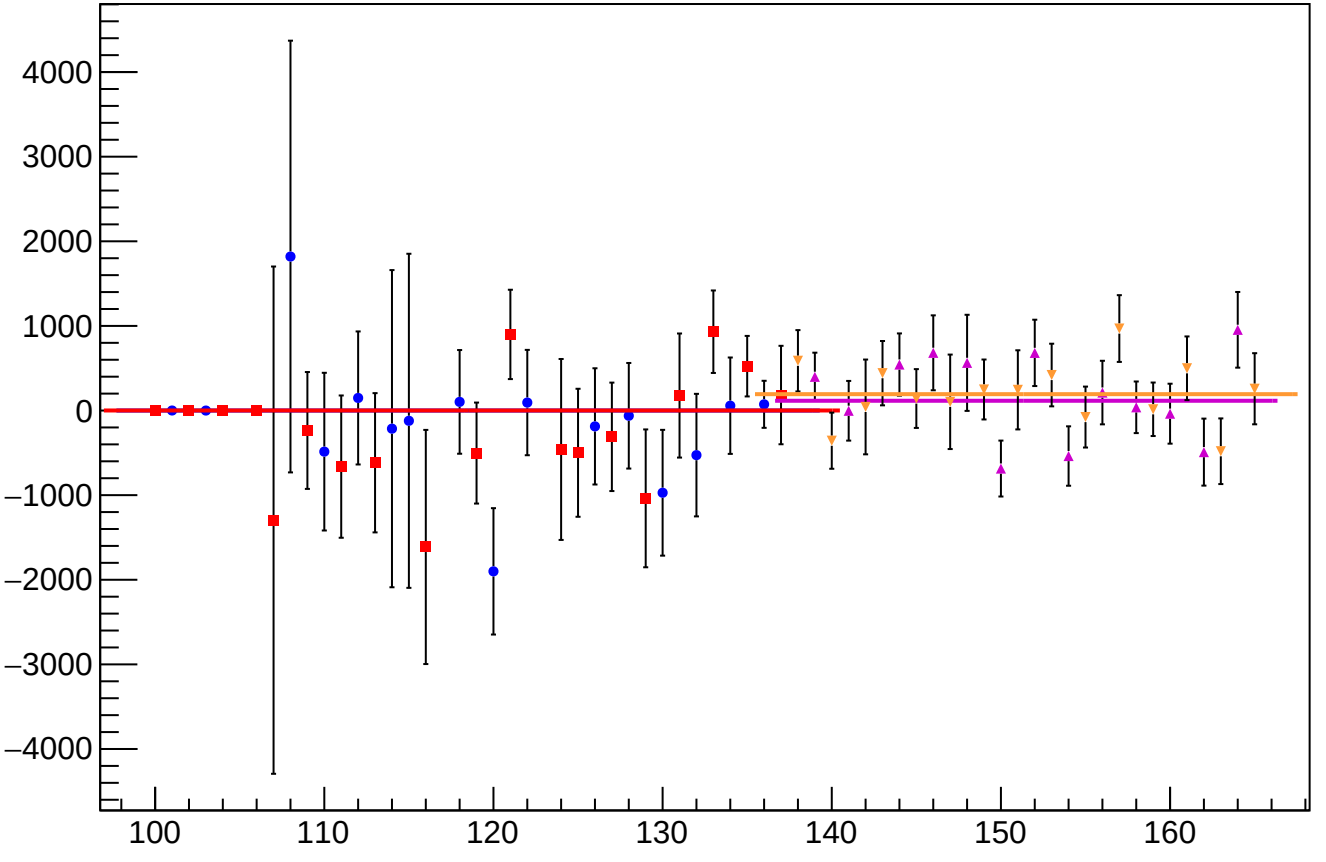
Left In: 532952.527+/-114.963 χ^2/NDF:340826.4/12

+ sign 401.659+/-0.251 χ^2/NDF: 31923151.7/29

All: 398.277+/-0.170 χ^2/NDF: 61372325.4/60

- sign 395.405+/-0.232 χ^2/NDF: 29448839.2/30

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 193.394+/-99.178 χ^2/NDF:13.3/14

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

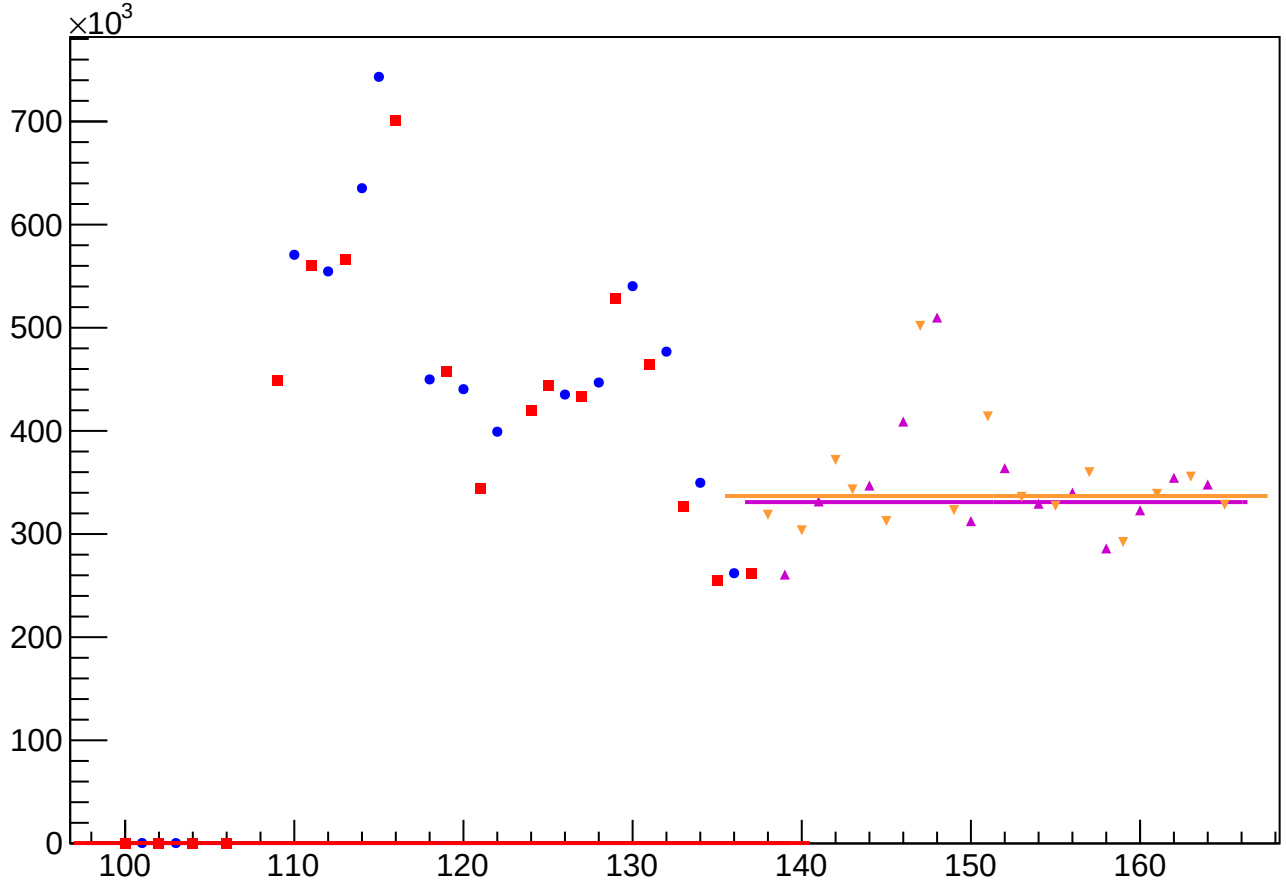
Left In: 115.383+/-101.574 χ^2/NDF:22.3/12

+ sign -0.018+/-0.347 χ^2/NDF: 27.6/30

All: 0.312+/-0.237 χ^2/NDF: 67.9/62

- sign 0.600+/-0.324 χ^2/NDF: 38.6/31

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 336859.803+/-70.129 χ^2/NDF:329050.0/14

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

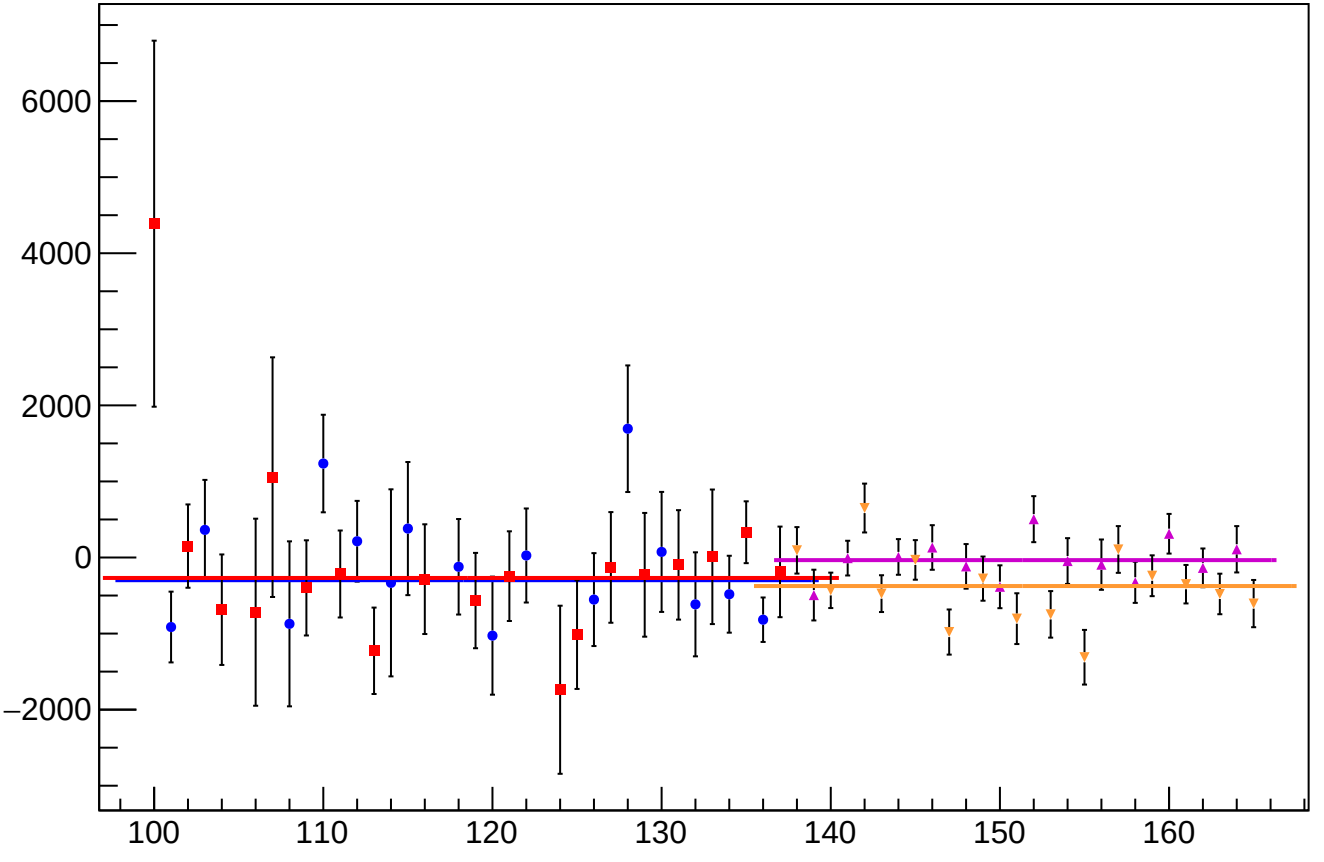
Left In: 330965.189+/-71.829 χ^2/NDF:462126.4/12

+ sign 394.397+/-0.245 χ^2/NDF: 34480424.5/29

All: 392.764+/-0.167 χ^2/NDF: 67197657.9/60

- sign 391.343+/-0.229 χ^2/NDF: 32717150.6/30

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -375.149+/-73.342 χ^2/NDF:32.1/14

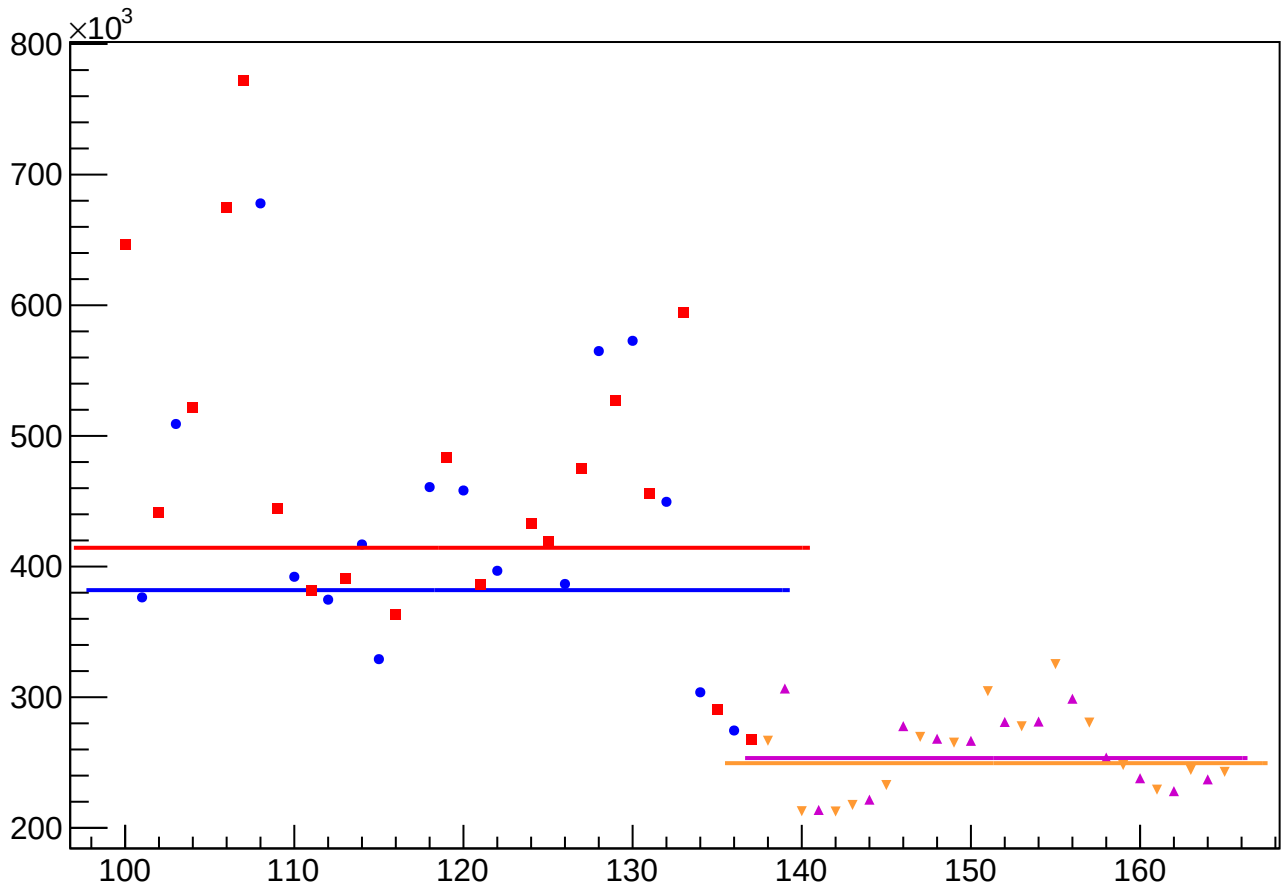
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -34.452+/-77.169 χ^2/NDF:10.4/12

+ sign -359.886+/-65.660 χ^2/NDF: 53.5/30

All: -227.449+/-47.637 χ^2/NDF: 88.2/62

- sign -80.267+/-69.219 χ^2/NDF: 26.1/31



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 249524.026+/-51.861 χ^2/NDF:336527.0/14

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

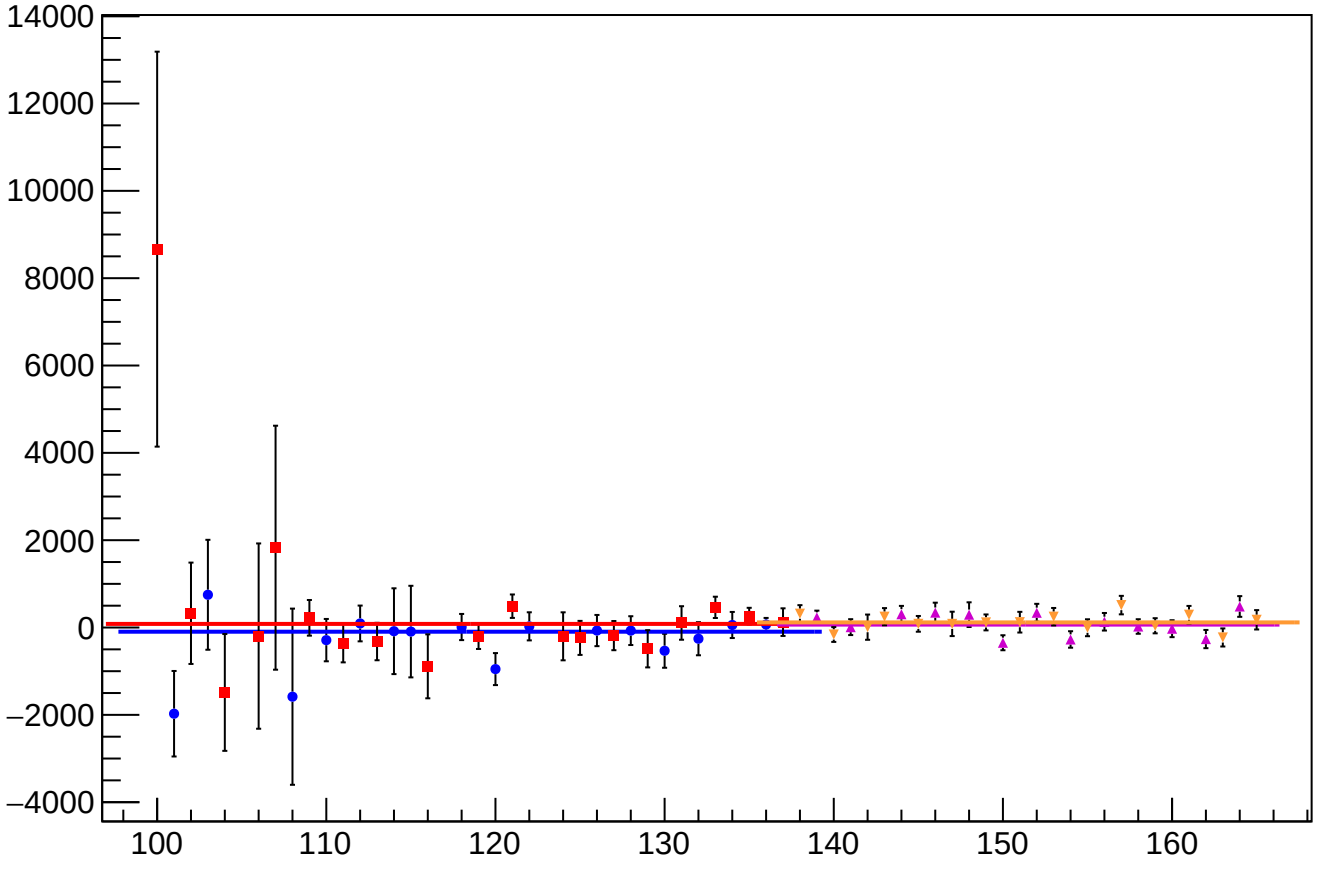
Left In: 253436.602+/-54.567 χ^2/NDF:275870.6/12

+ sign 275807.471+/-46.430 χ^2/NDF: 2467199.2/30

All: 280102.024+/-33.686 χ^2/NDF: 5220530.

- sign 284874.906+/-48.948 χ^2/NDF: 2735267.7/31

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 117.348+/-52.290 χ^2/NDF:12.5/14

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

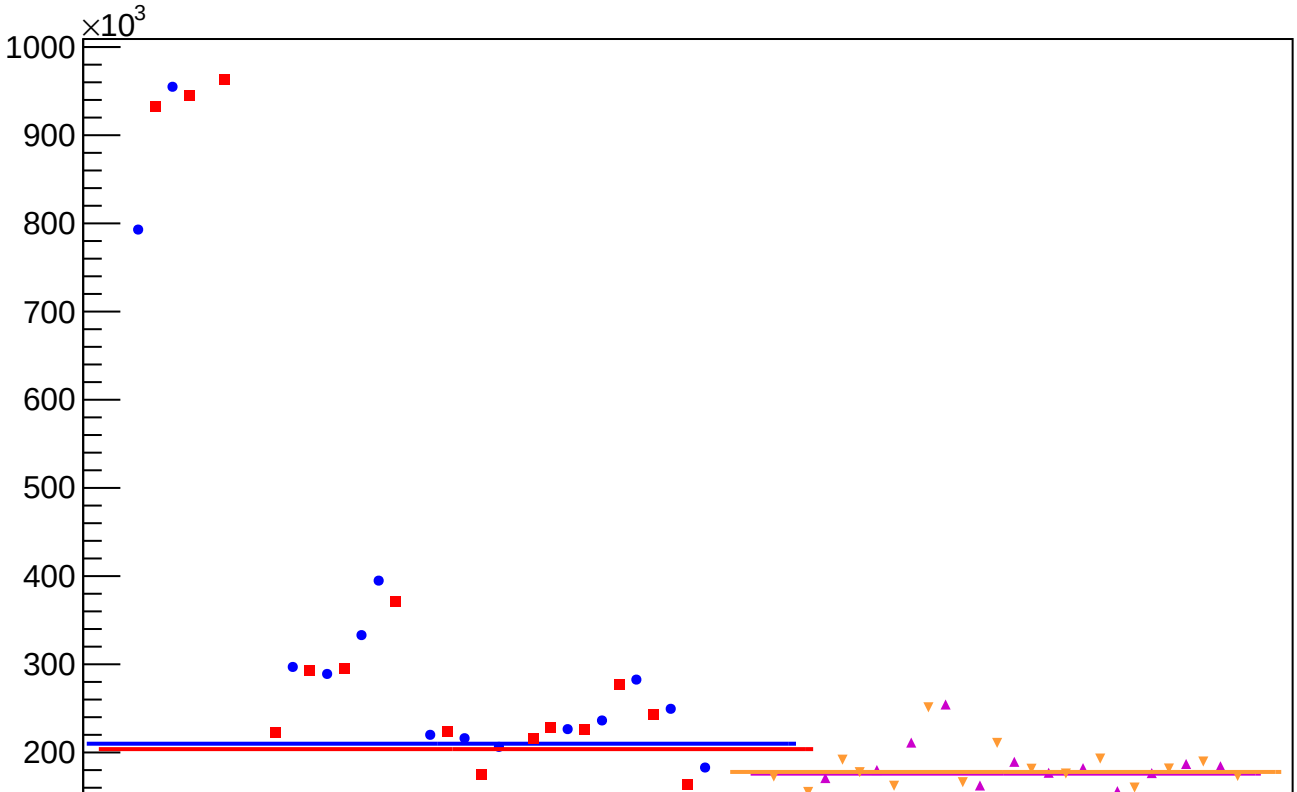
Left In: 66.933+/-53.830 χ^2/NDF:21.8/12

+ sign 61.963+/-44.988 χ^2/NDF: 30.5/30

All: 66.540+/-32.102 χ^2/NDF: 71.4/62

- sign 71.289+/-45.822 χ^2/NDF: 40.9/31

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177910.616+/-36.974 χ^2/NDF:281818.5/14

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

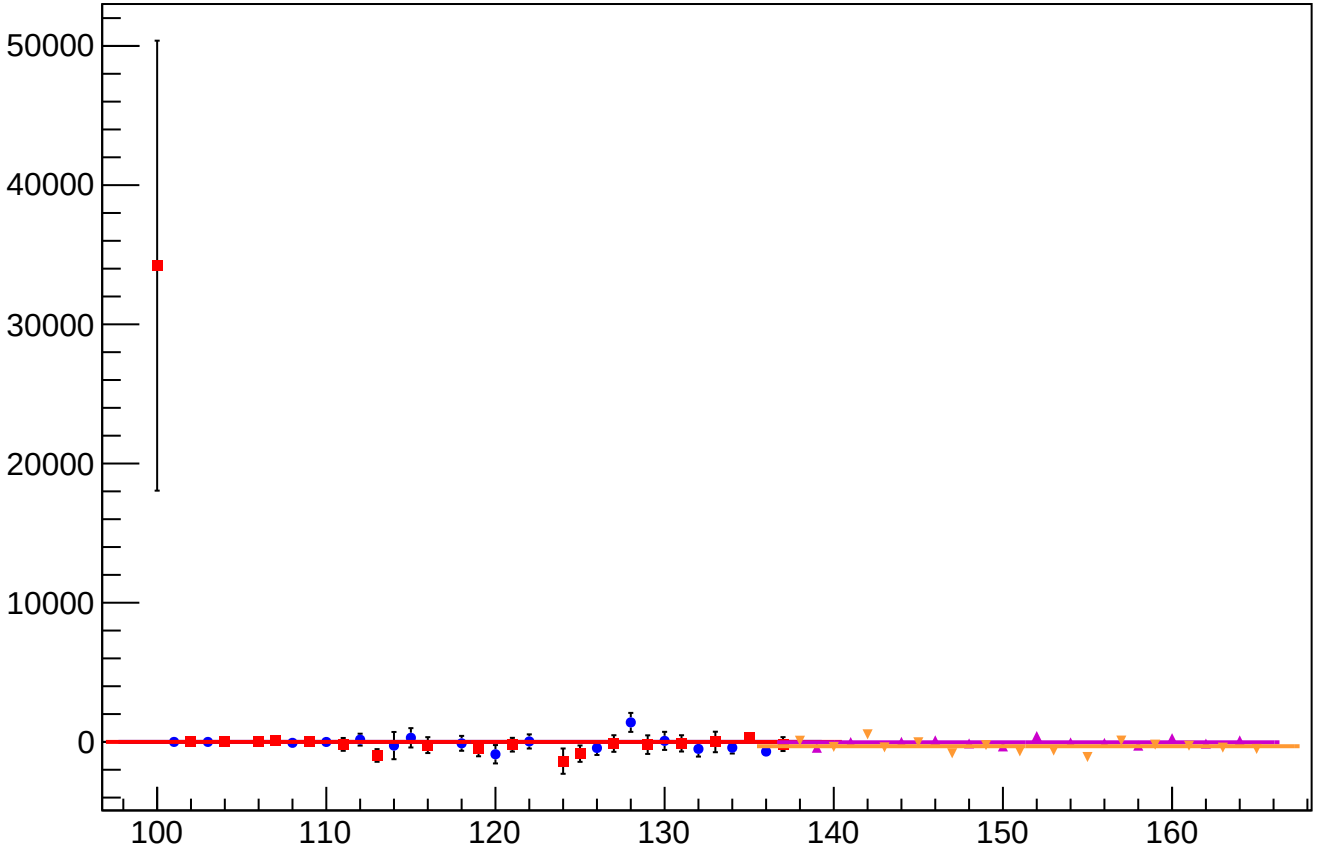
Left In: 175970.636+/-38.063 χ^2/NDF:357576.3/12

+ sign 186206.919+/-31.826 χ^2/NDF: 2436020.1/29

All: 184930.360+/-22.712 χ^2/NDF: 5013970.

- sign 183605.447+/-32.423 χ^2/NDF: 2574671.8/29

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -309.993+/-61.437 χ^2/NDF:32.2/14

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

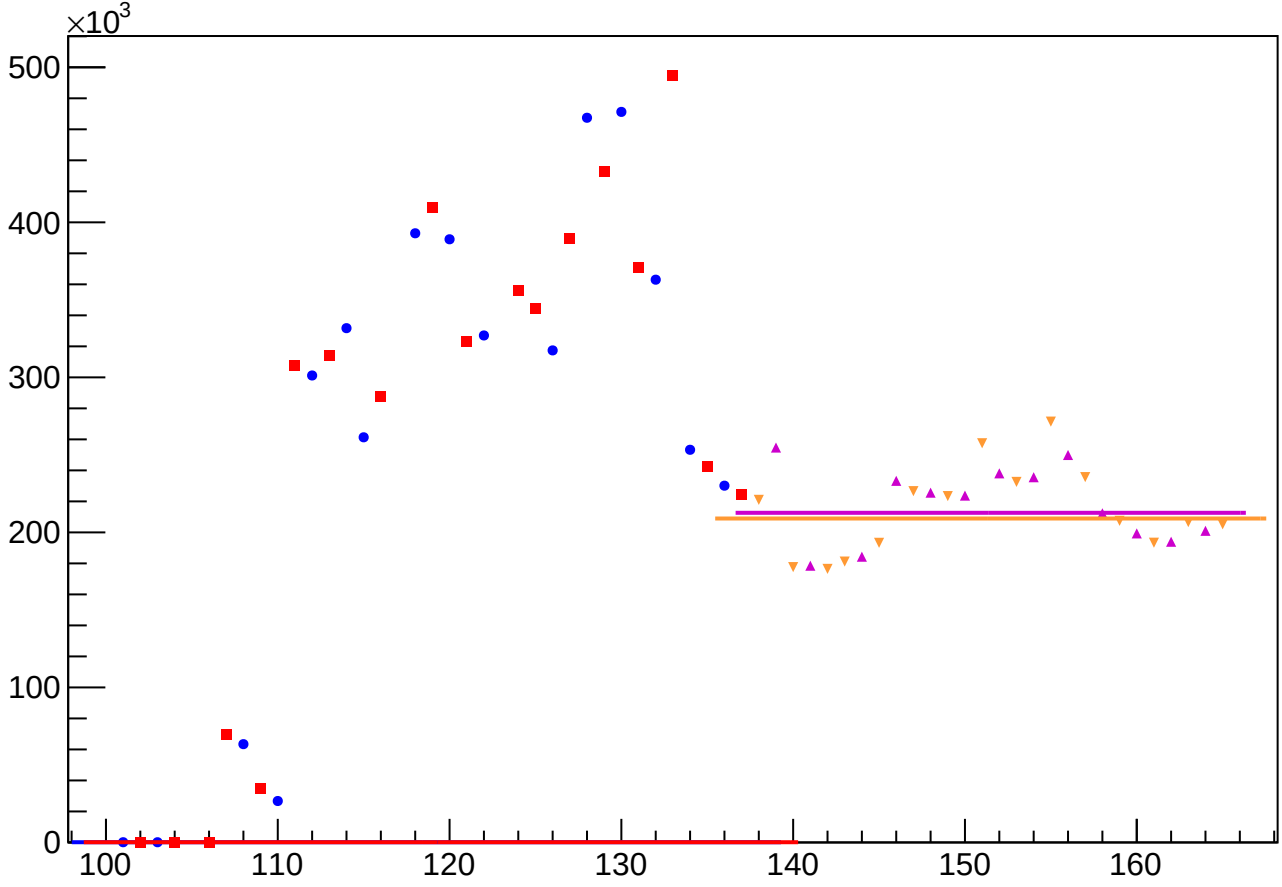
Left In: -28.034+/-64.745 χ^2/NDF:10.5/12

+ sign -0.038+/-0.172 χ^2/NDF: 75.8/30

All: -0.208+/-0.117 χ^2/NDF: 104.8/62

- sign -0.355+/-0.160 χ^2/NDF: 27.2/31

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 208956.281+/-43.443 χ^2/NDF:347734.6/14

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

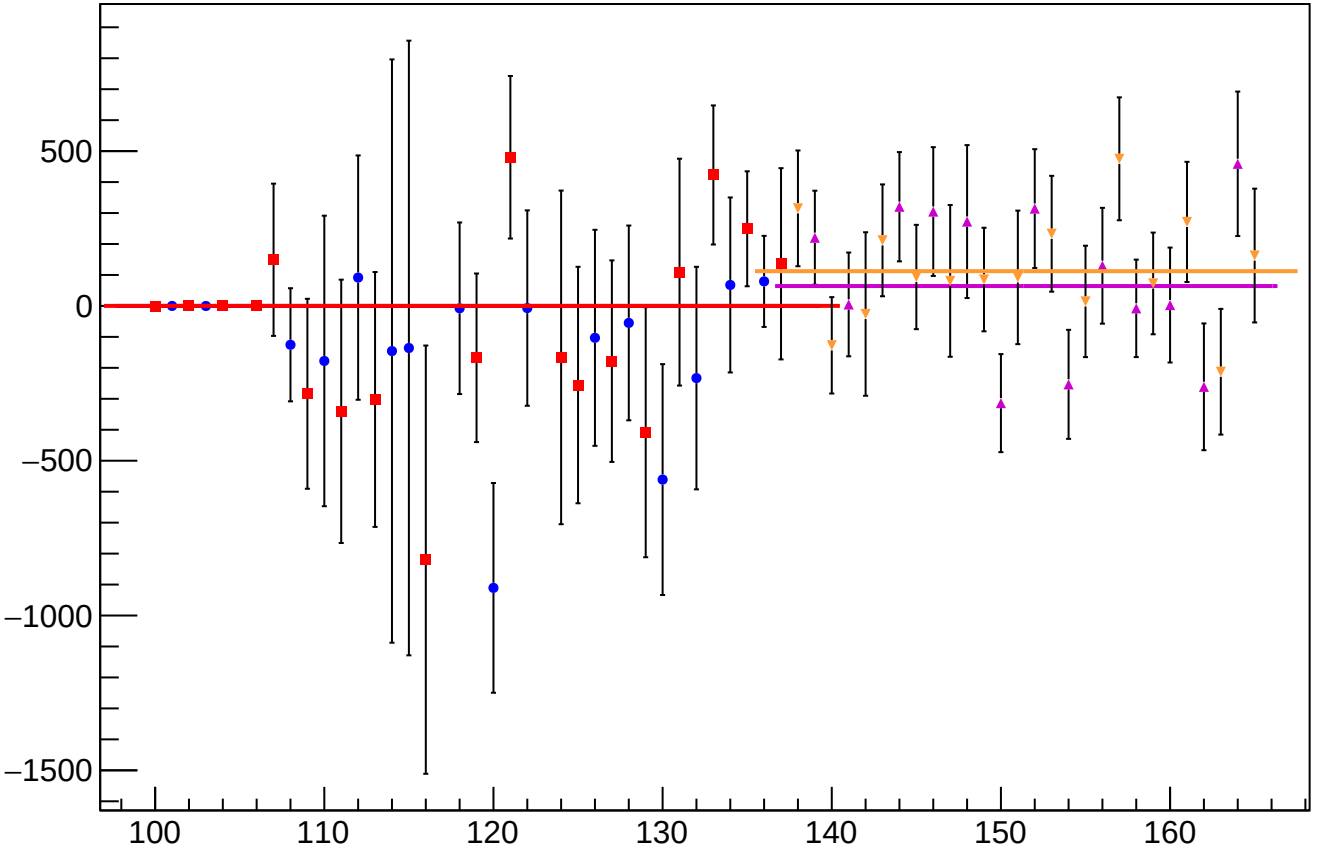
Left In: 212635.638+/-45.782 χ^2/NDF:275377.6/12

+ sign 150.734+/-0.122 χ^2/NDF: 34752086.1/30

All: 150.704+/-0.083 χ^2/NDF: 67857623.5/61

- sign 150.678+/-0.113 χ^2/NDF: 33105537.3/30

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 112.263+/-48.907 χ^2/NDF:11.6/14

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

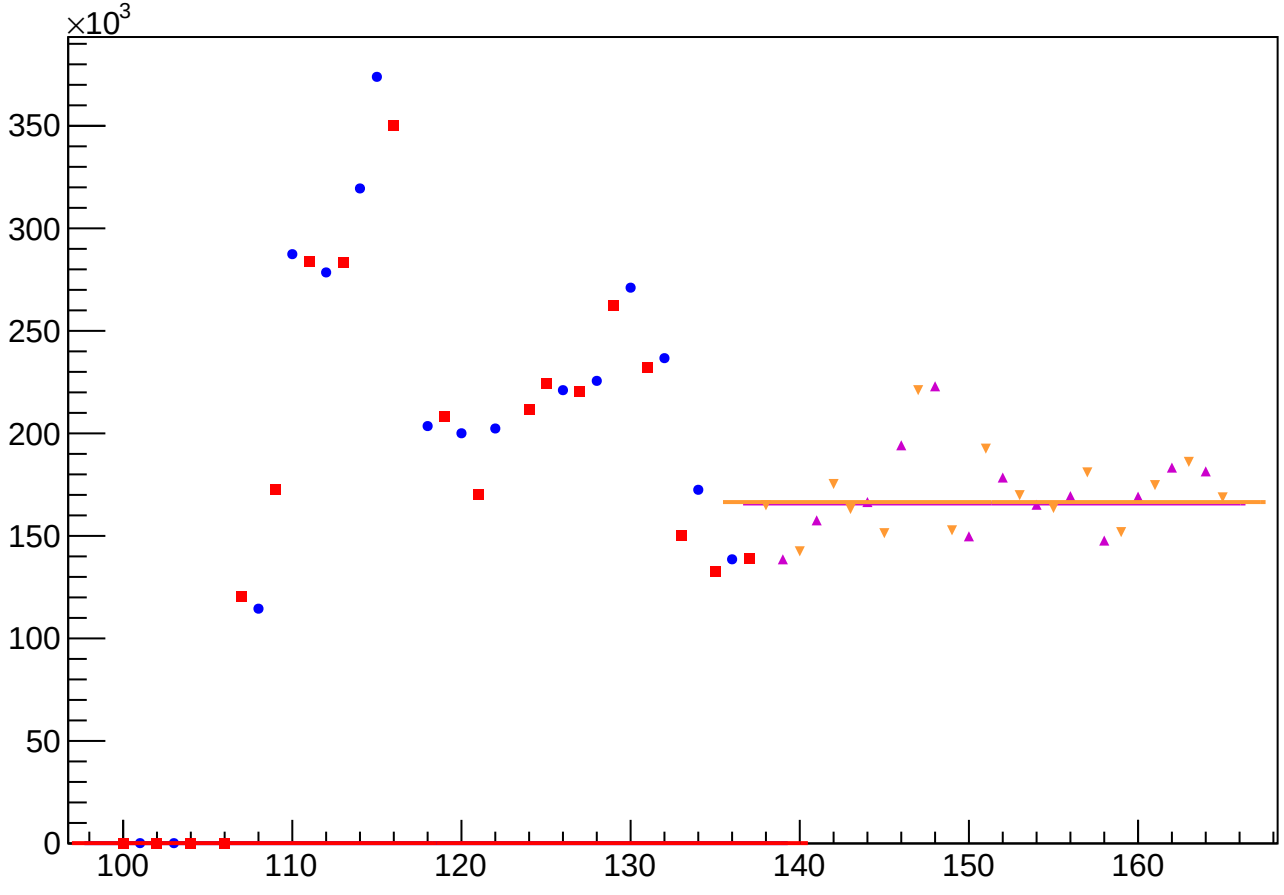
Left In: 64.199+/-50.631 χ^2/NDF:21.8/12

+ sign -0.067+/-0.177 χ^2/NDF: 28.1/30

All: 0.036+/-0.121 χ^2/NDF: 67.4/62

- sign 0.127+/-0.166 χ^2/NDF: 38.7/31

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 166499.445+/-34.582 χ^2/NDF:259023.6/14

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

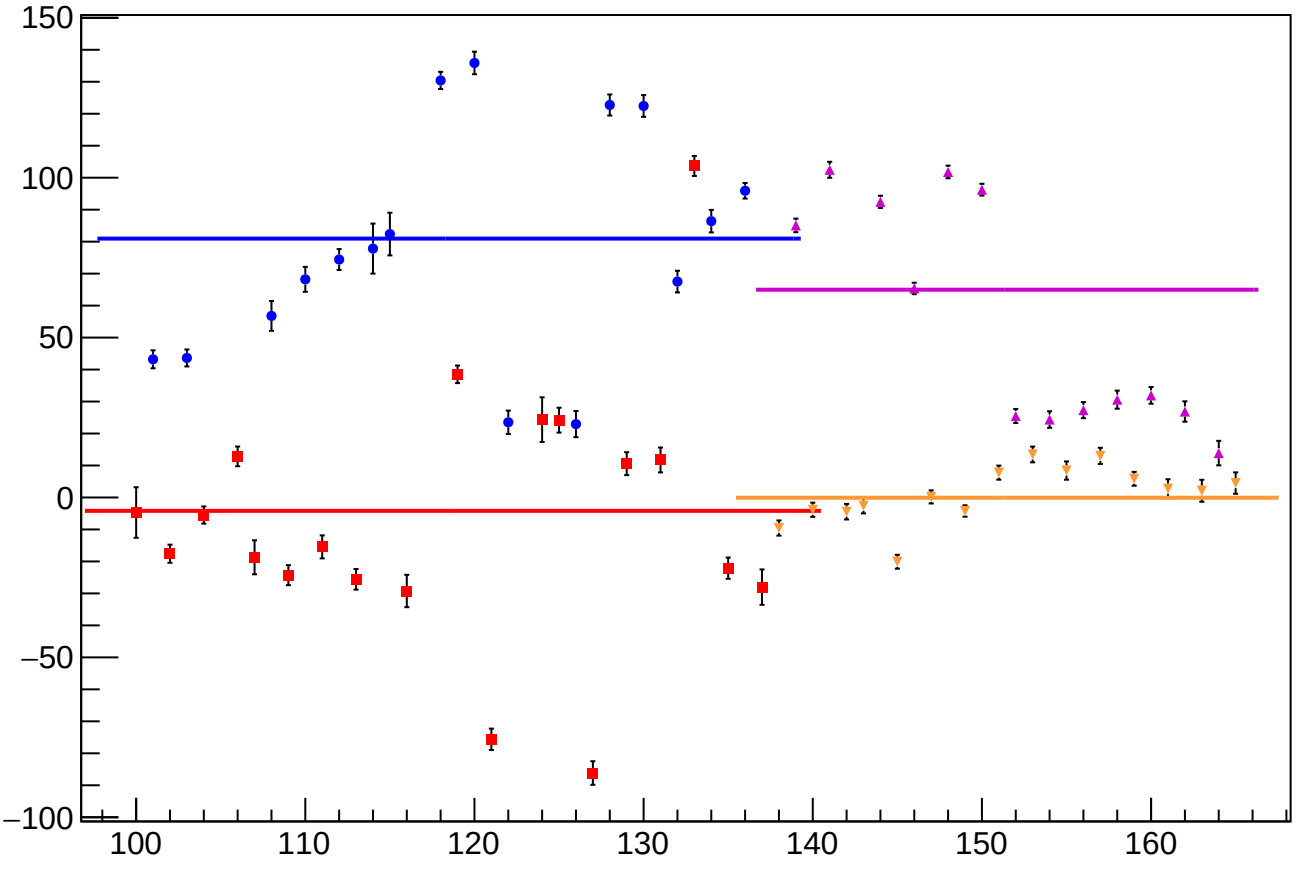
Left In: 165819.400+/-35.802 χ^2/NDF:294135.7/12

+ sign 155.645+/-0.125 χ^2/NDF: 35301251.6/30

All: 156.869+/-0.086 χ^2/NDF: 68337490.5/62

- sign 157.949+/-0.118 χ^2/NDF: 33036059.4/31

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.079+/-0.616 χ^2/NDF:202.7/14

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

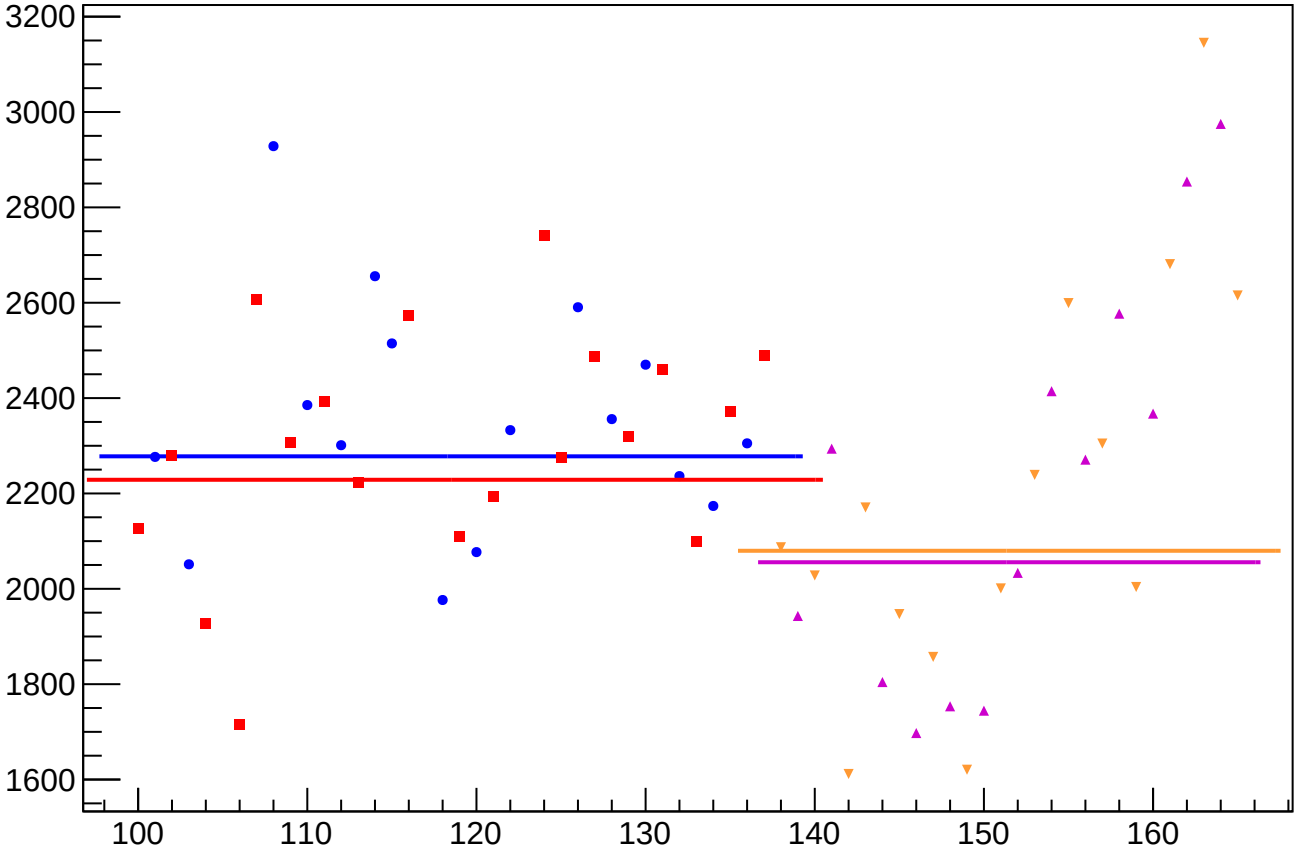
Left In: 64.974+/-0.636 χ^2/NDF:2580.8/12

+ sign 27.736+/-0.499 χ^2/NDF: 7965.2/30

All: 33.321+/-0.354 χ^2/NDF: 17957.7/62

- sign 38.992+/-0.503 χ^2/NDF: 9739.9/31

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2079.778+/-0.435 χ^2/NDF:663866.7/14

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

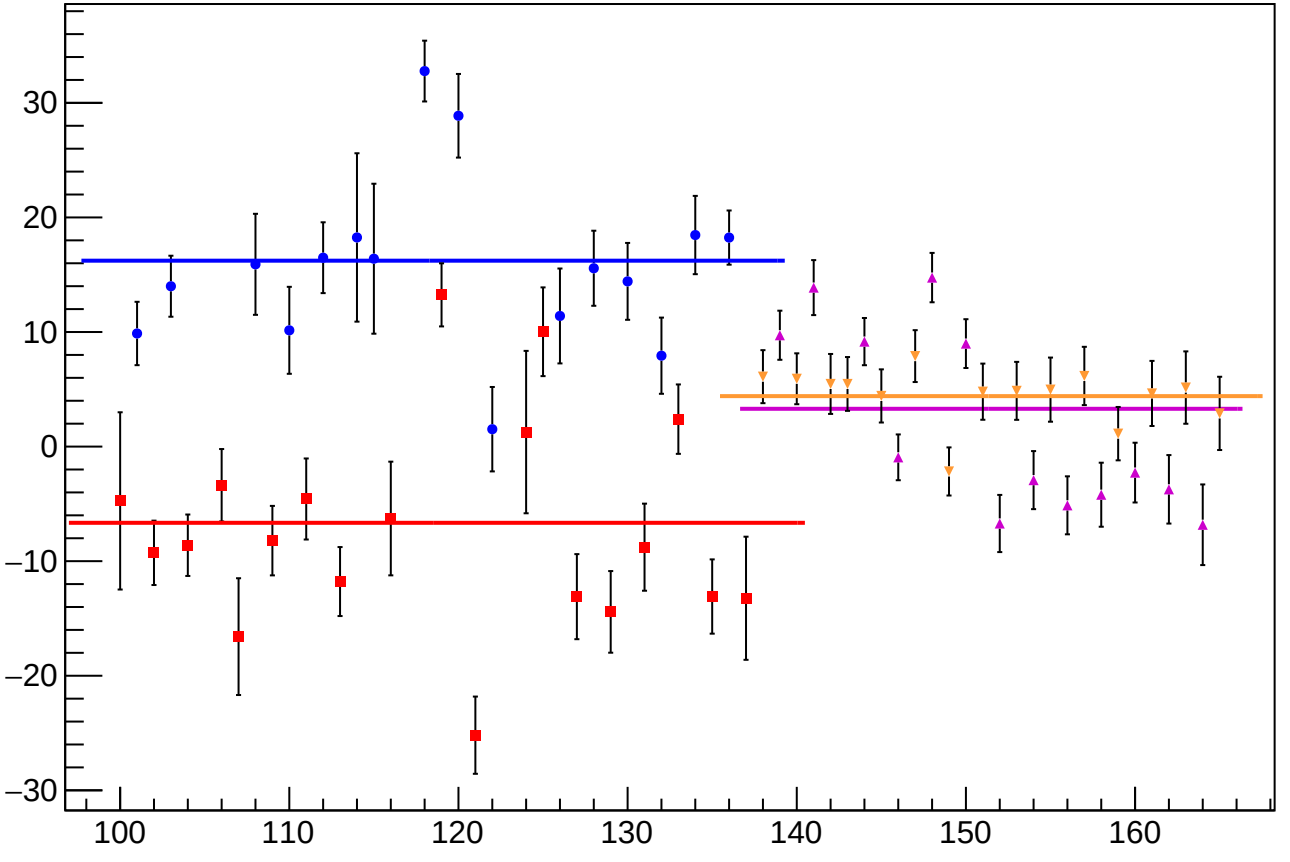
Left In: 2055.737+/-0.450 χ^2/NDF:632972.5/12

+ sign 2147.774+/-0.353 χ^2/NDF: 850730.8/30

All: 2134.348+/-0.250 χ^2/NDF: 1693289.9/62

- sign 2120.715+/-0.355 χ^2/NDF: 839639.4/31

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.404+/-0.641 χ^2/NDF:16.4/14

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

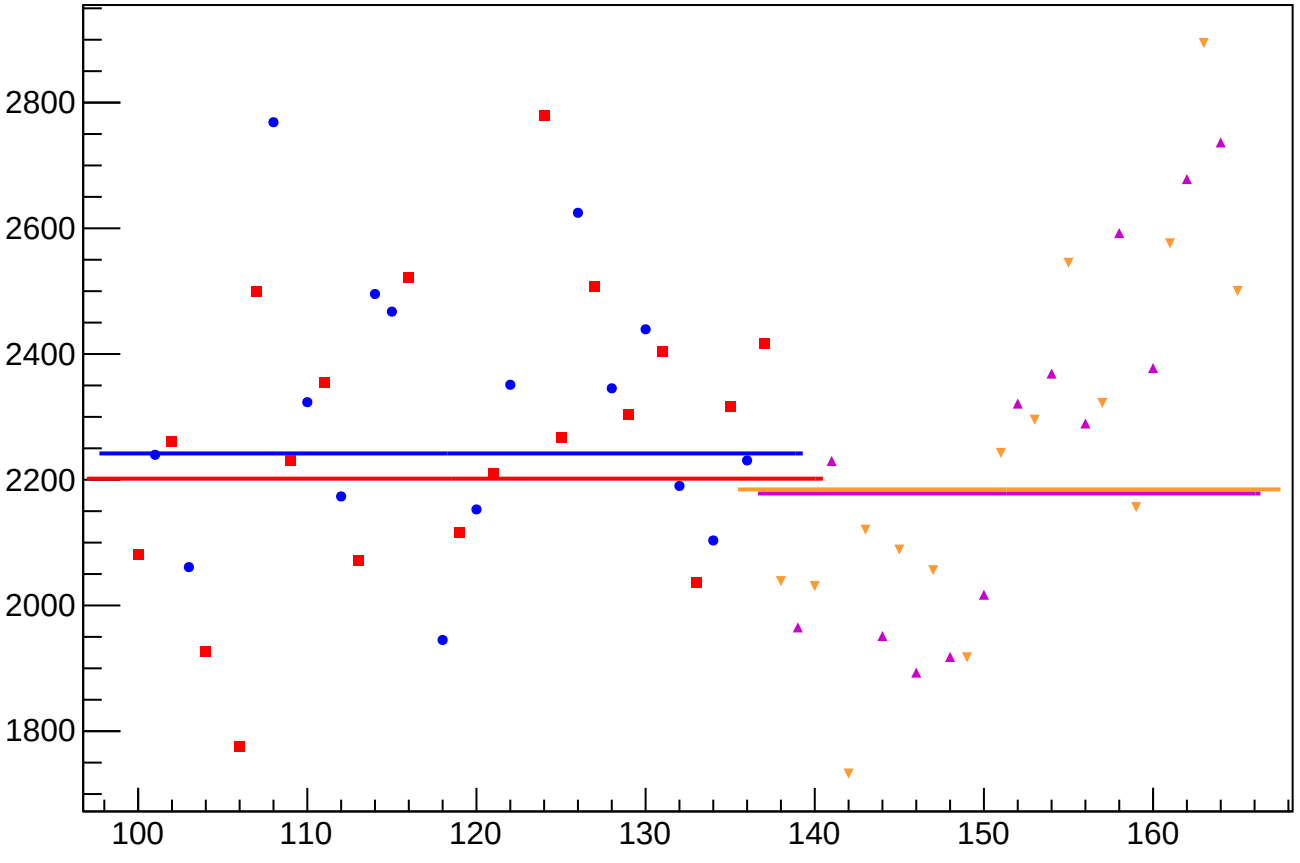
Left In: 3.298+/-0.666 χ^2/NDF:135.2/12

+ sign 8.768+/-0.509 χ^2/NDF: 226.6/30

All: 4.074+/-0.362 χ^2/NDF: 758.4/62

- sign -0.720+/-0.514 χ^2/NDF: 359.8/31

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2184.628+/-0.453 χ^2/NDF:323902.0/14

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

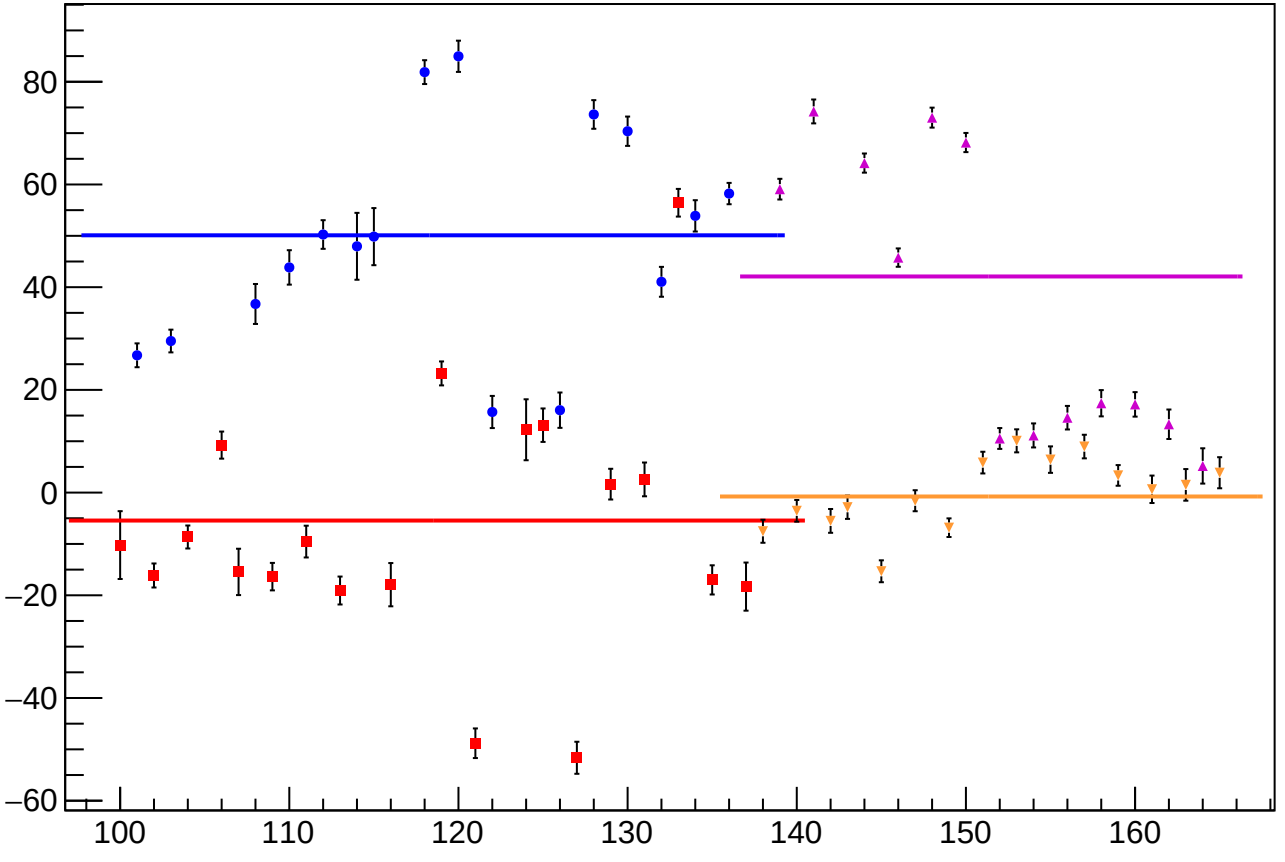
Left In: 2178.134+/-0.471 χ^2/NDF:309979.9/12

+ sign 2205.752+/-0.360 χ^2/NDF: 432051.9/30

All: 2196.805+/-0.256 χ^2/NDF: 874178.0/62

- sign 2187.667+/-0.364 χ^2/NDF: 440876.7/31

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.760+/-0.584 χ^2/NDF:140.0/14

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

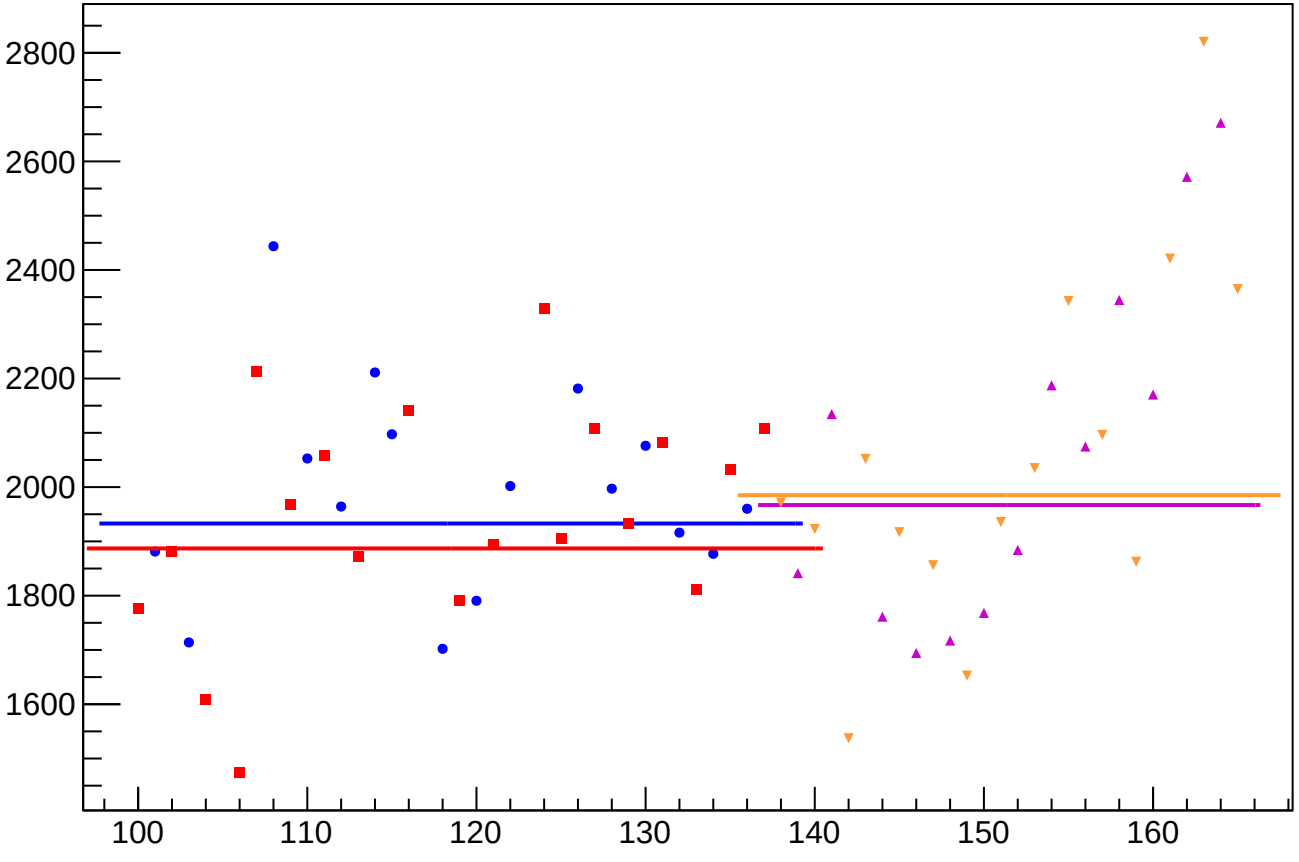
Left In: 42.087+/-0.605 χ^2/NDF:1833.1/12

+ sign 19.358+/-0.454 χ^2/NDF: 4027.3/30

All: 20.462+/-0.322 χ^2/NDF: 9847.9/62

- sign 21.574+/-0.456 χ^2/NDF: 5808.8/31

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1985.099+/-0.413 χ^2/NDF:439788.1/14

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

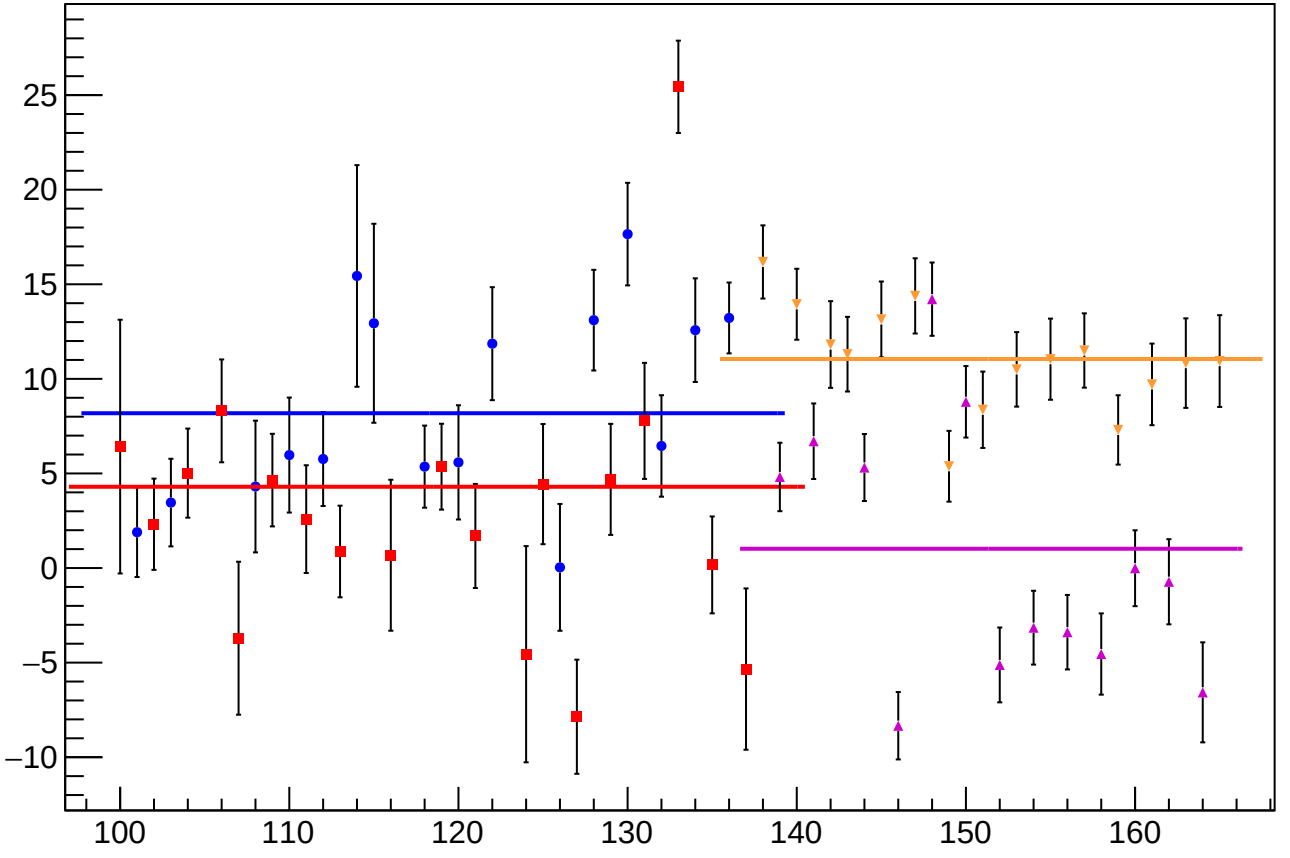
Left In: 1966.940+/-0.428 χ^2/NDF:400886.7/12

+ sign 1964.453+/-0.321 χ^2/NDF: 552071.3/30

All: 1948.516+/-0.228 χ^2/NDF: 1122721.6/62

- sign 1932.443+/-0.323 χ^2/NDF: 565703.6/31

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.051+/-0.525 χ^2/NDF:29.1/14

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

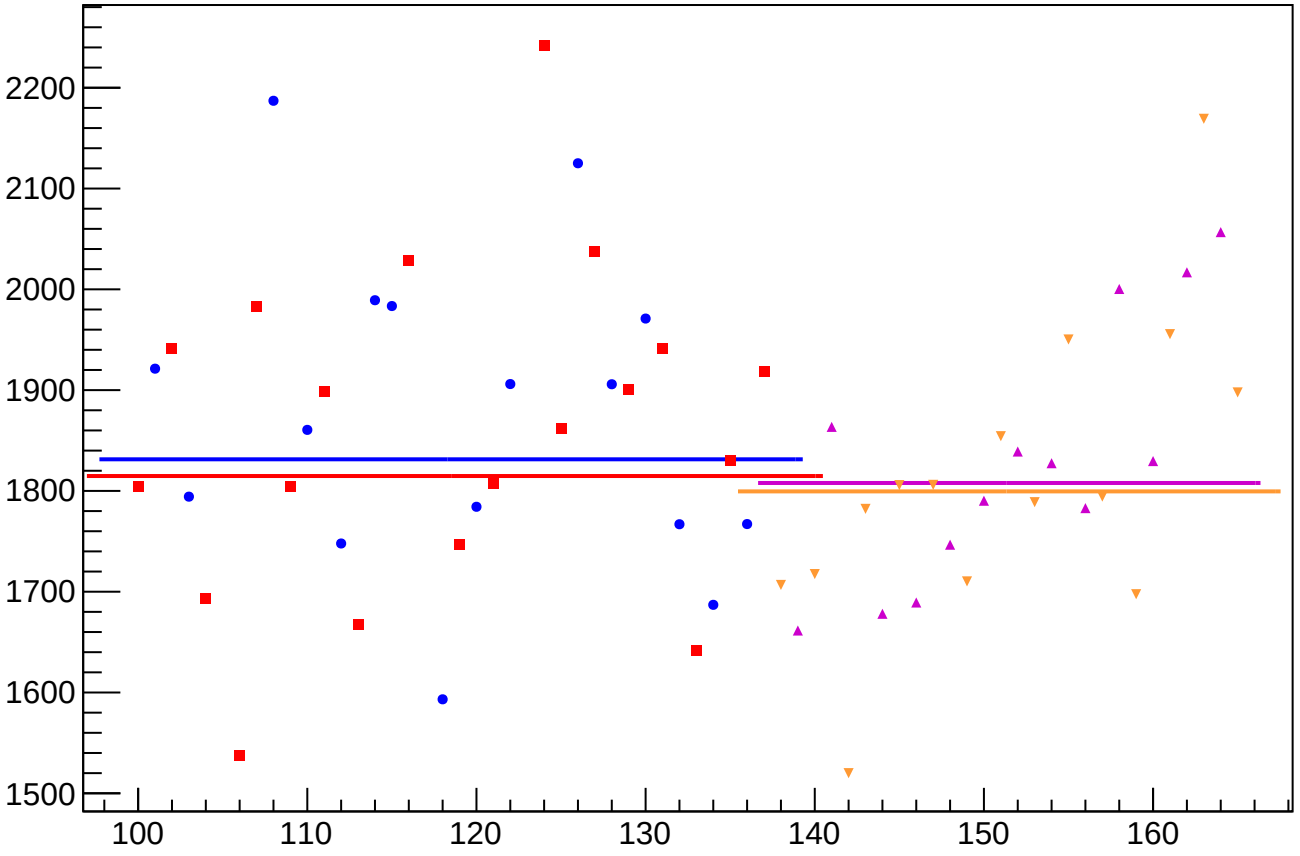
Left In: 1.019+/-0.549 χ^2/NDF:144.3/12

\+ sign 9.987+/-0.416 χ^2/NDF: 92.1/30

All: 6.231+/-0.297 χ^2/NDF: 530.2/62

\- sign 2.346+/-0.423 χ^2/NDF: 272.6/31

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1799.530+/-0.371 χ^2/NDF:123130.1/14

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

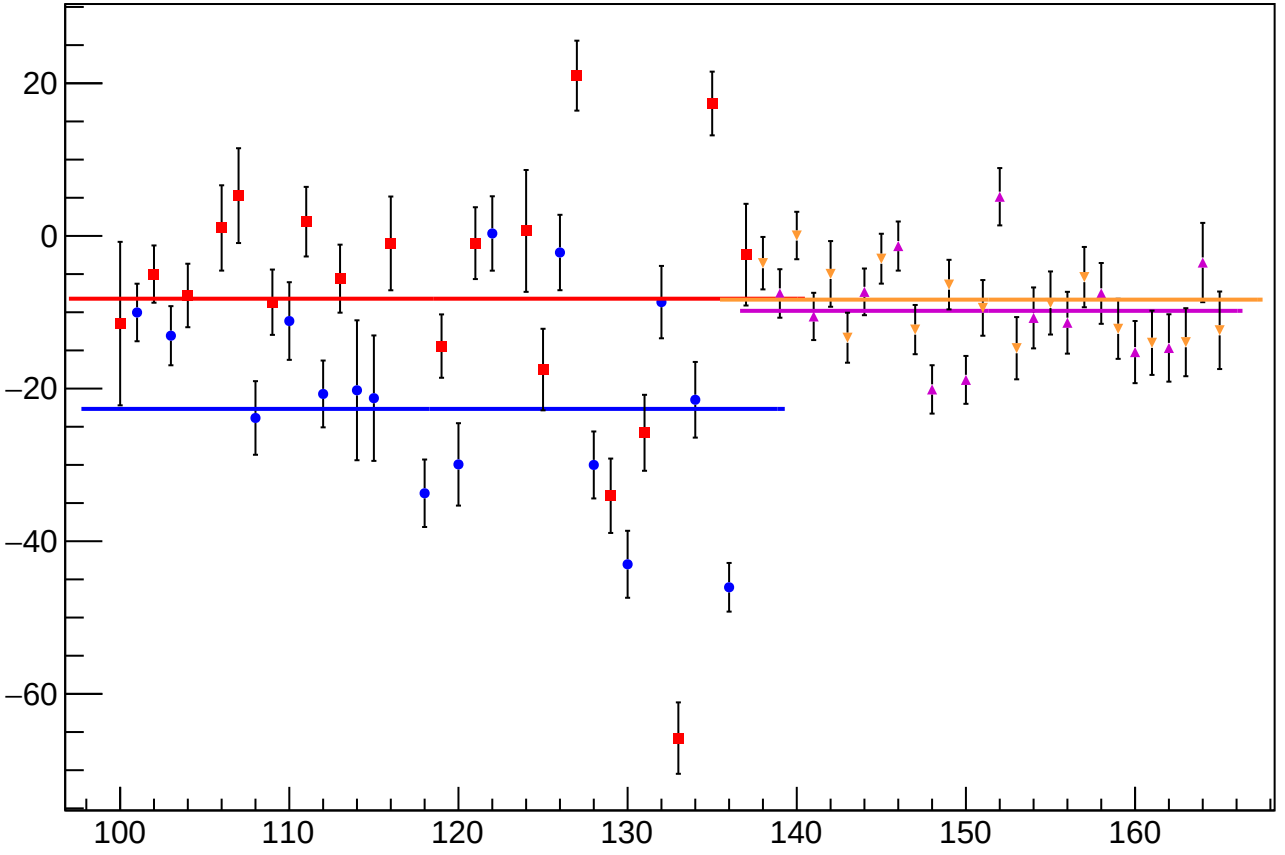
Left In: 1807.879+/-0.388 χ^2/NDF:88691.0/12

+ sign 1811.343+/-0.294 χ^2/NDF: 212776.3/30

All: 1811.013+/-0.210 χ^2/NDF: 392336.3/62

- sign 1810.671+/-0.299 χ^2/NDF: 179557.4/31

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -8.346+/-0.959 χ^2/NDF:24.8/14

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

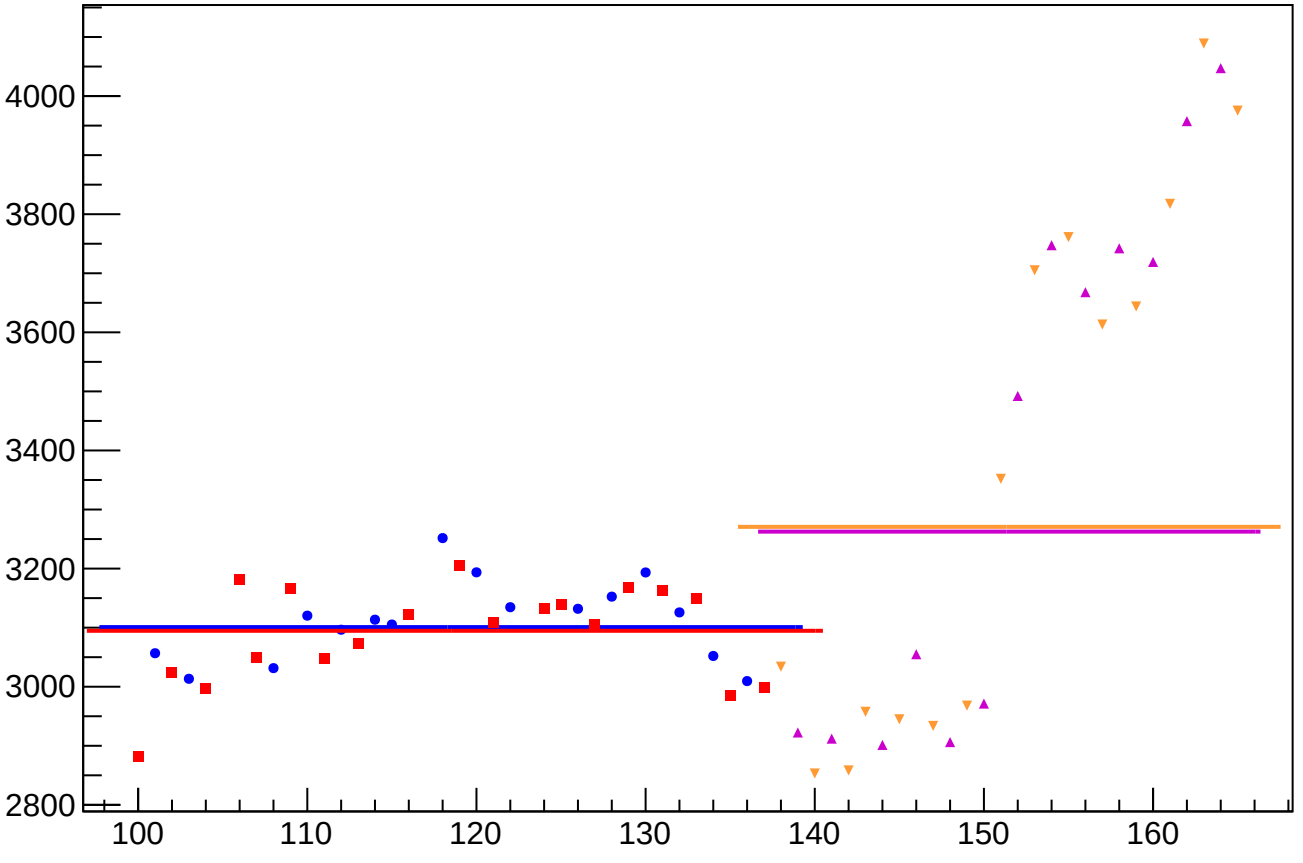
Left In: -9.815+/-0.993 χ^2/NDF:47.9/12

+ sign -14.204+/-0.737 χ^2/NDF: 273.2/30

All: -11.692+/-0.524 χ^2/NDF: 640.6/62

- sign -9.121+/-0.745 χ^2/NDF: 343.8/31

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3270.669+/-0.678 χ^2/NDF:365960.5/14

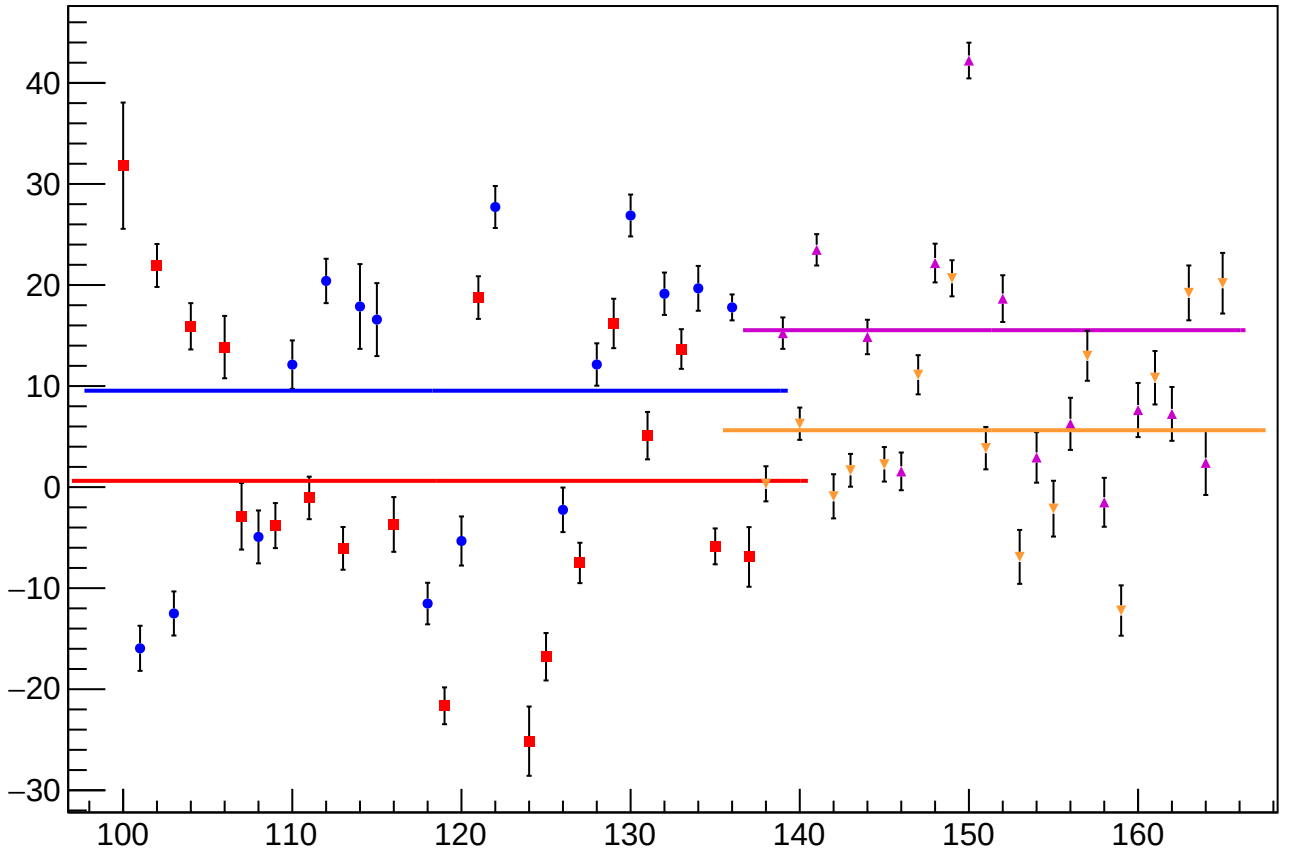
Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3262.574+/-0.702 χ^2/NDF:333695.0/12

+ sign 3201.225+/-0.521 χ^2/NDF: 399508.7/30

All: 3195.356+/-0.371 χ^2/NDF: 766989.4/62

- sign 3189.348+/-0.527 χ^2/NDF: 367223.9/31



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.627+/-0.538 χ^2/NDF:250.5/14

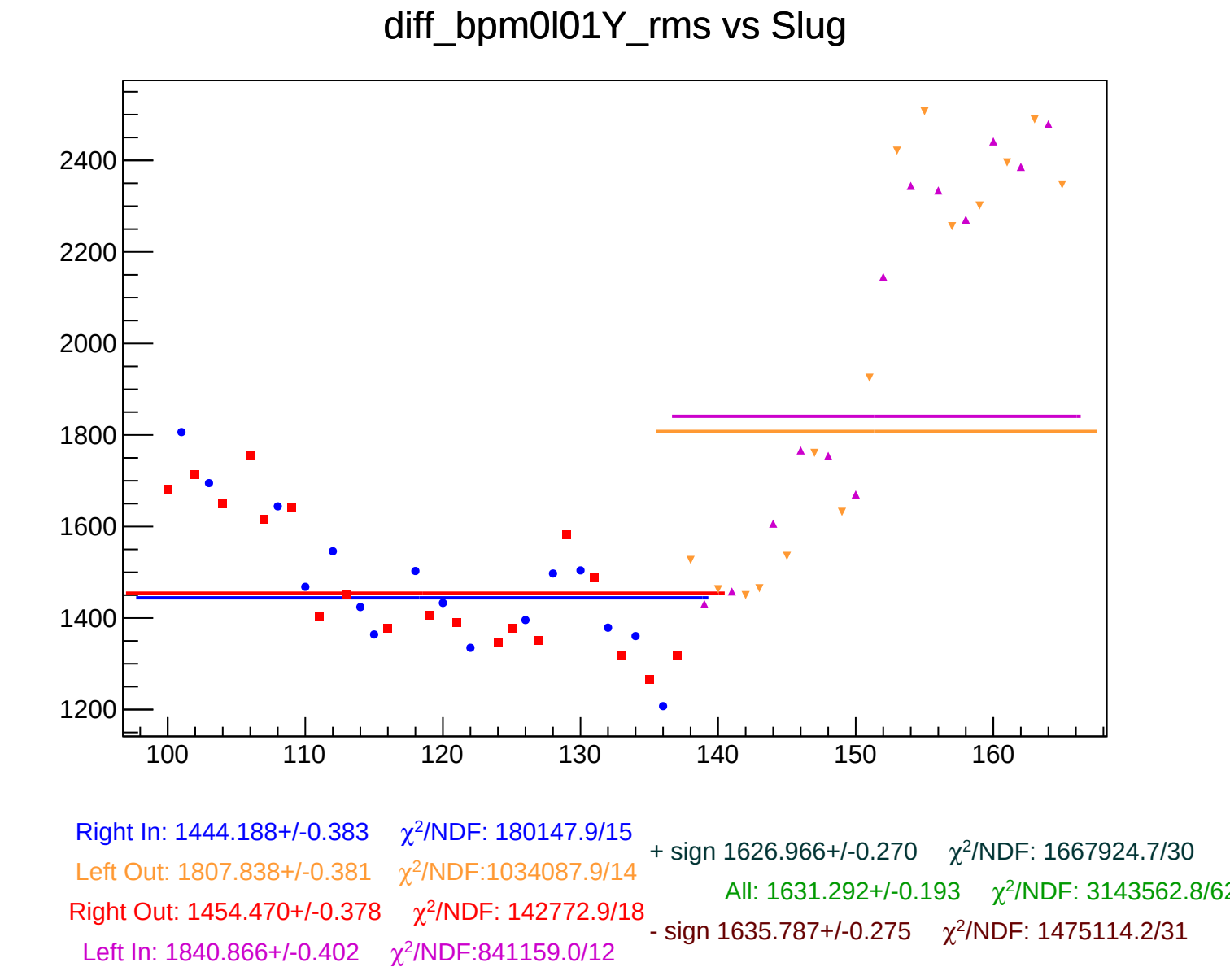
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 15.528+/-0.568 χ^2/NDF:447.5/12

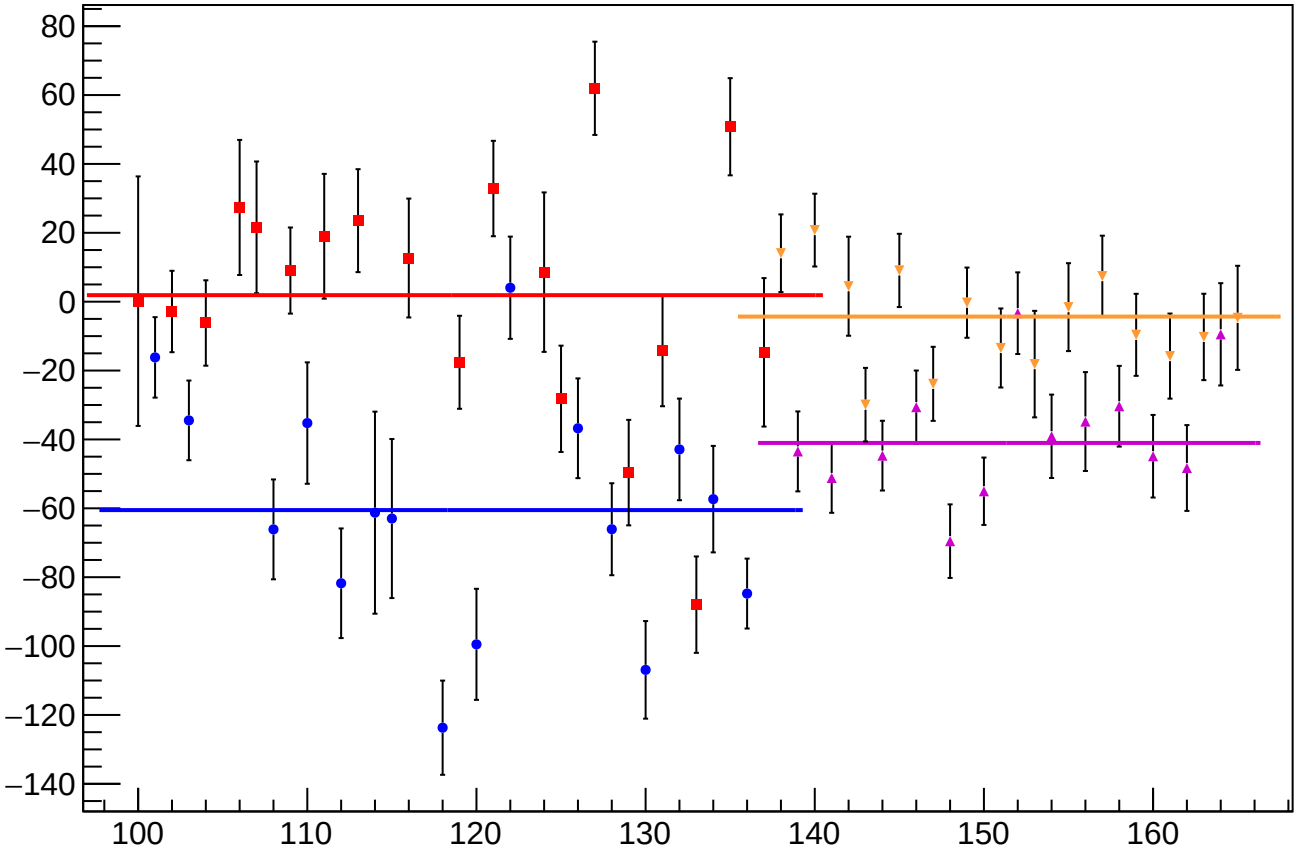
+ sign 7.574+/-0.382 χ^2/NDF: 975.5/30

All: 7.594+/-0.273 χ^2/NDF: 2454.4/62

- sign 7.615+/-0.389 χ^2/NDF: 1478.9/31


diff_bpm0l01Y_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
Right In: 1444.188+/-0.383 χ²/NDF: 180147.9/15
Left Out: 1807.838+/-0.381 χ²/NDF:1034087.9/14
Right Out: 1454.470+/-0.378 χ²/NDF: 142772.9/18
Left In: 1840.866+/-0.402 χ²/NDF:841159.0/12
+ sign 1626.966+/-0.270 χ²/NDF: 1667924.7/30
All: 1631.292+/-0.193 χ²/NDF: 3143562.8/62
- sign 1635.787+/-0.275 χ²/NDF: 1475114.2/31

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -4.326+/-3.057 χ^2/NDF:23.2/14

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

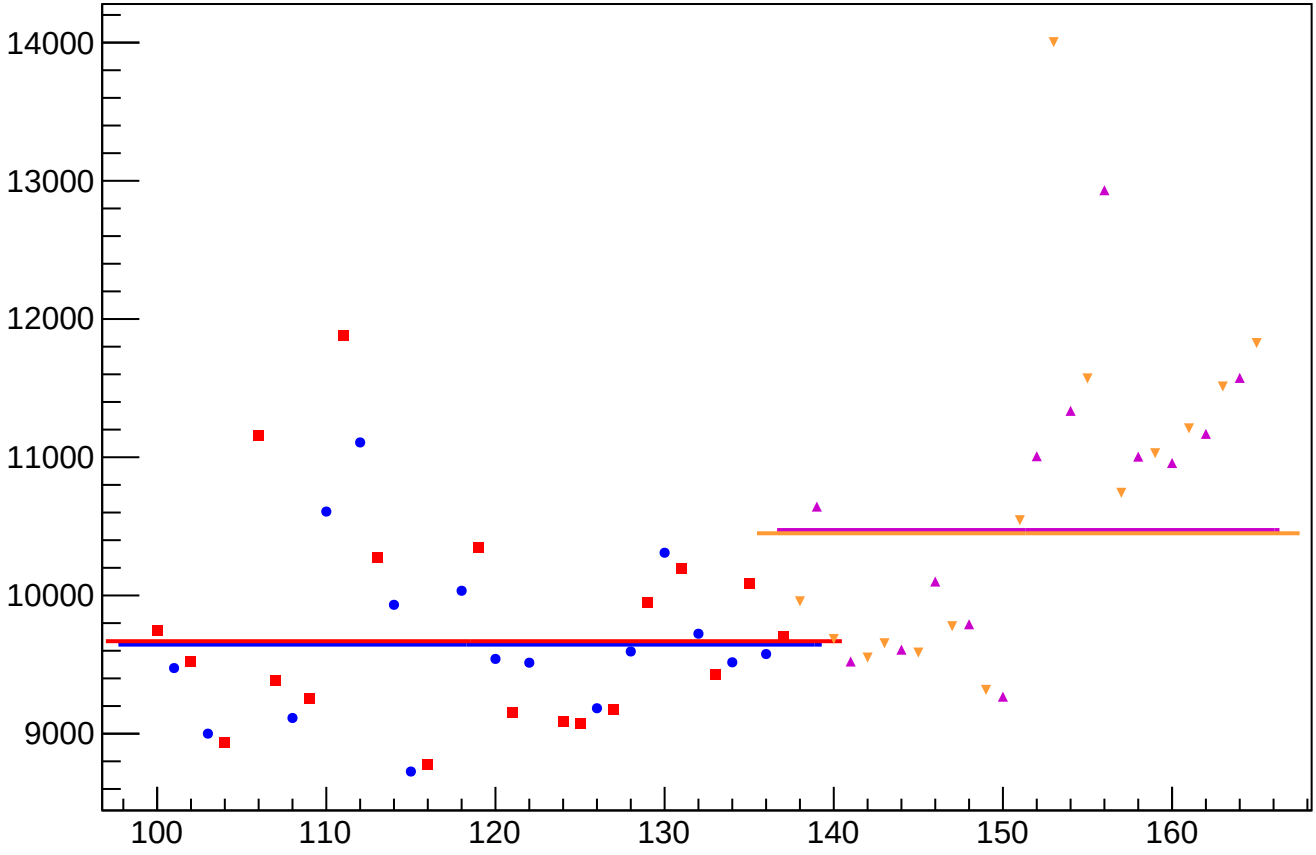
Left In: -41.015+/-3.178 χ^2/NDF:27.4/12

+ sign -27.893+/-2.329 χ^2/NDF: 255.3/30

All: -24.934+/-1.660 χ^2/NDF: 471.1/62

- sign -21.881+/-2.366 χ^2/NDF: 212.5/31

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10449.953+/-2.161 χ^2/NDF:244488.9/14

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

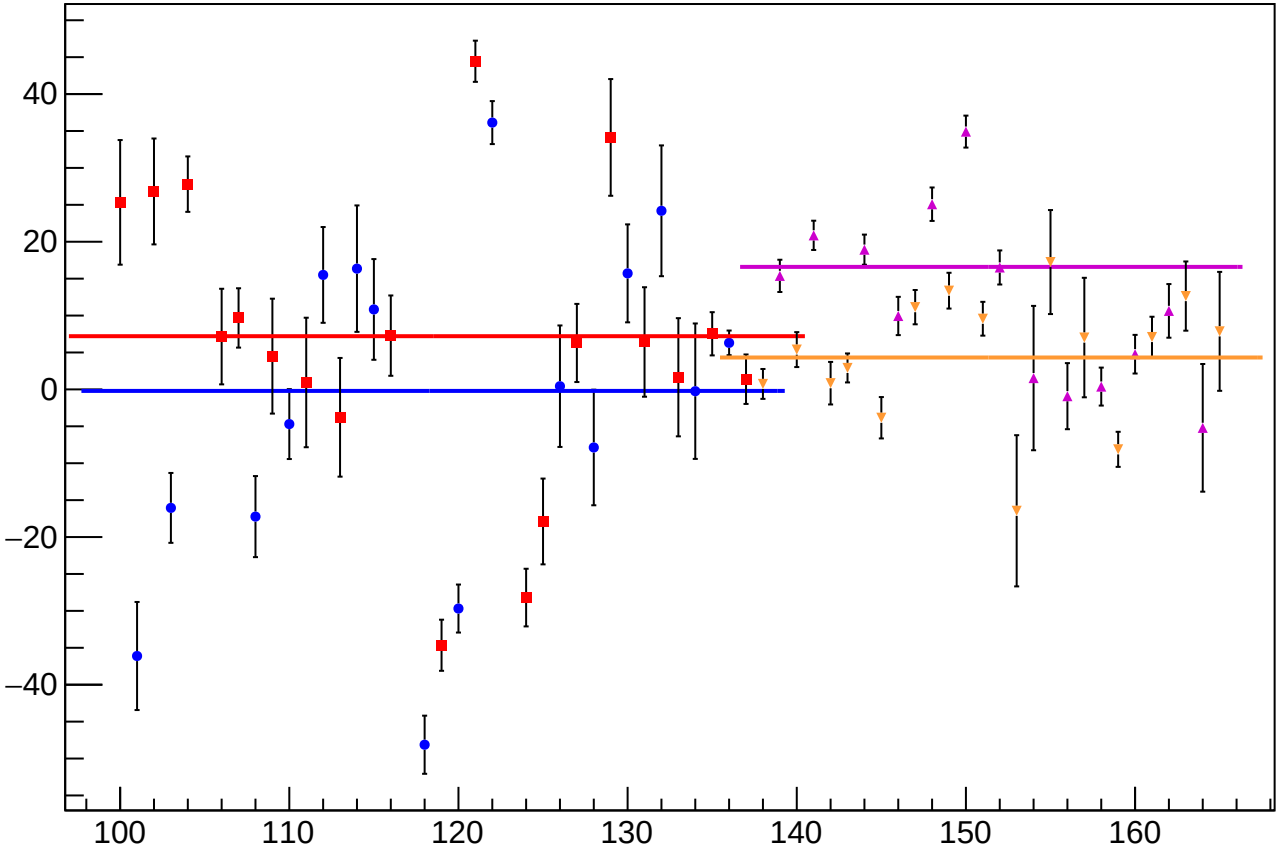
Left In: 10473.382+/-2.247 χ^2/NDF:171111.8/12

+ sign 10112.090+/-1.647 χ^2/NDF: 346852.9/30

All: 10113.399+/-1.174 χ^2/NDF: 654949.4/62

- sign 10114.750+/-1.673 χ^2/NDF: 308095.2/31

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.320+/-0.727 χ^2/NDF:81.0/14

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

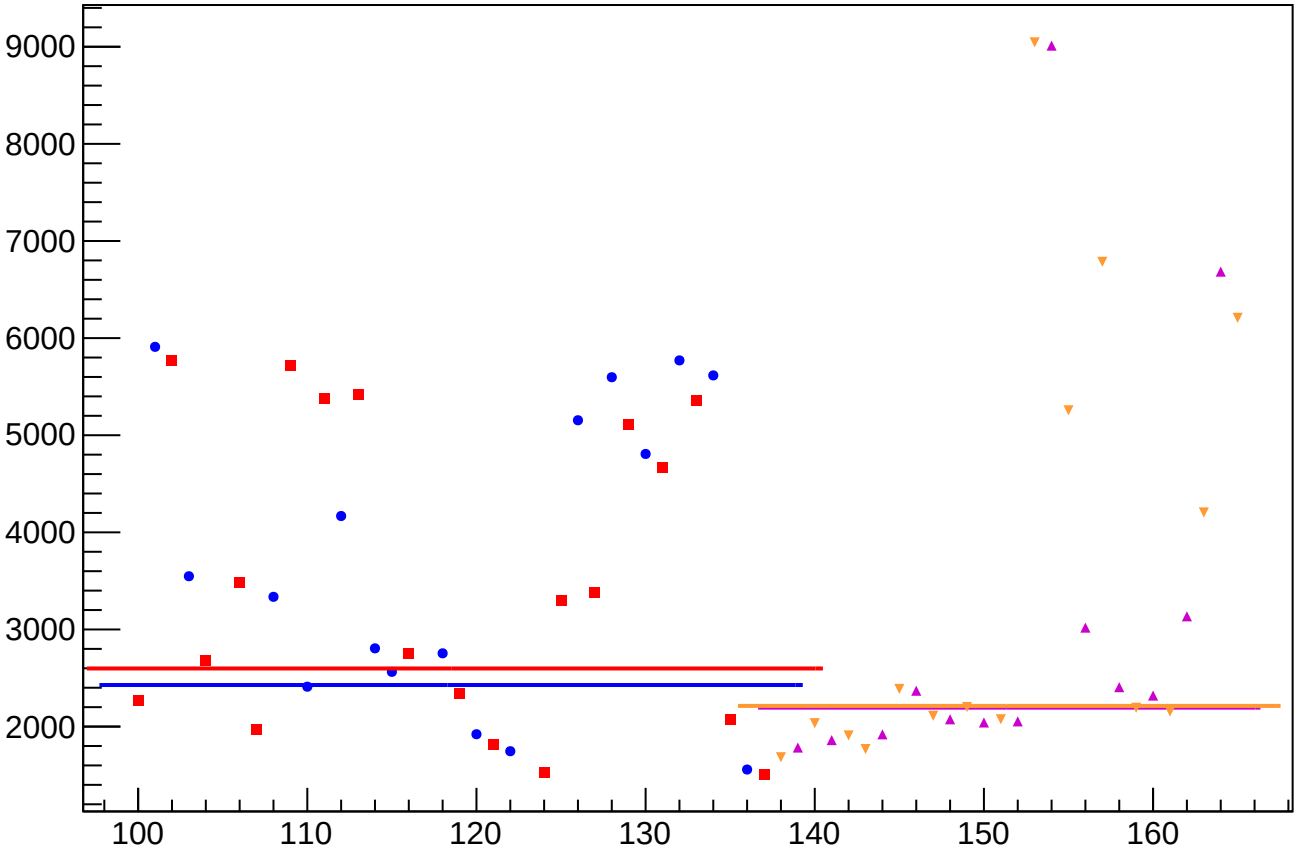
Left In: 16.594+/-0.726 χ^2/NDF:185.4/12

+ sign 2.844+/-0.597 χ^2/NDF: 567.3/30

All: 8.204+/-0.424 χ^2/NDF: 1453.4/62

- sign 13.647+/-0.602 χ^2/NDF: 723.5/31

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2212.884+/-0.514 χ^2/NDF:3047840.9/14

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

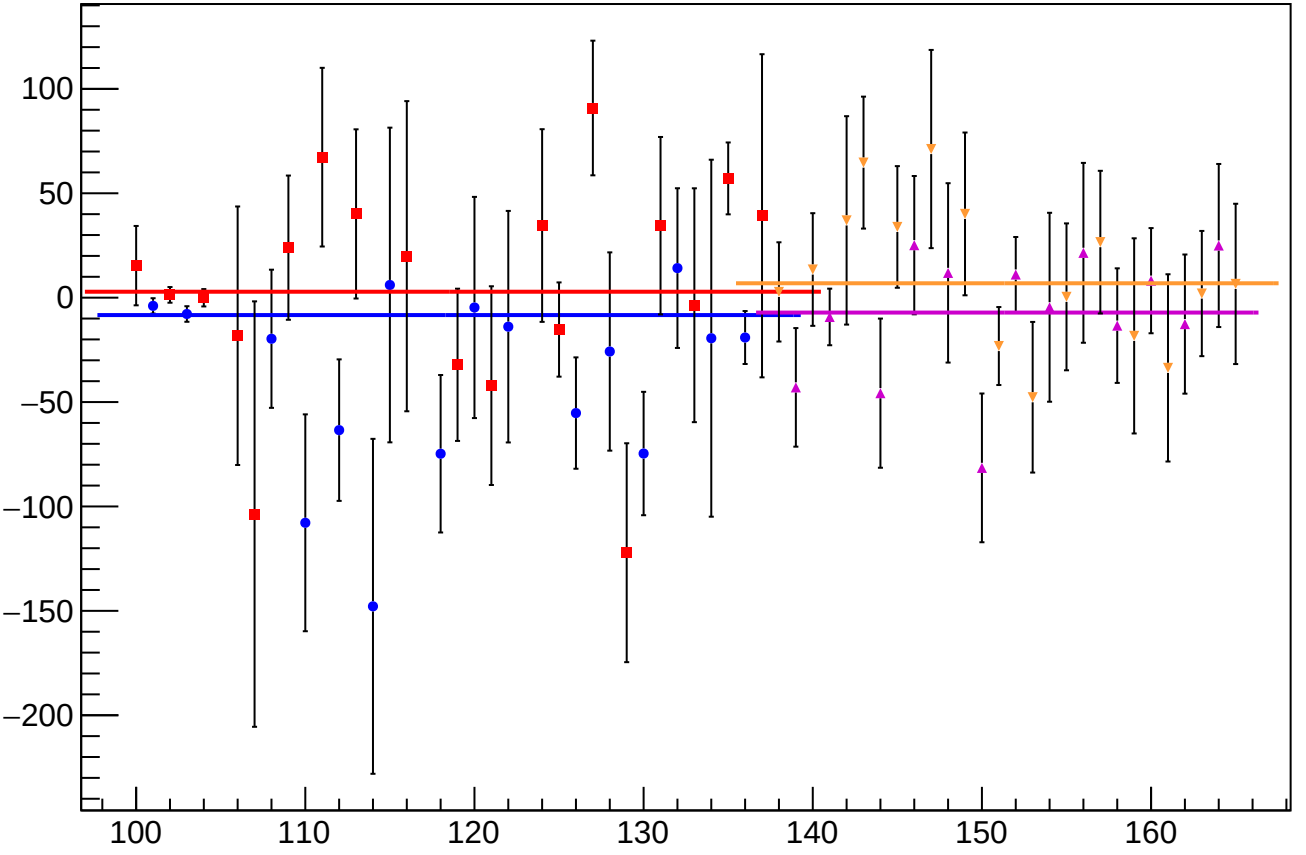
Left In: 2195.084+/-0.514 χ^2/NDF:1927227.0/12

+ sign 2283.042+/-0.422 χ^2/NDF: 5920300.4/30

All: 2302.205+/-0.300 χ^2/NDF: 10560177.3/6

- sign 2321.669+/-0.425 χ^2/NDF: 4635721.3/31

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 6.898+/-8.199 χ^2/NDF:13.6/14

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

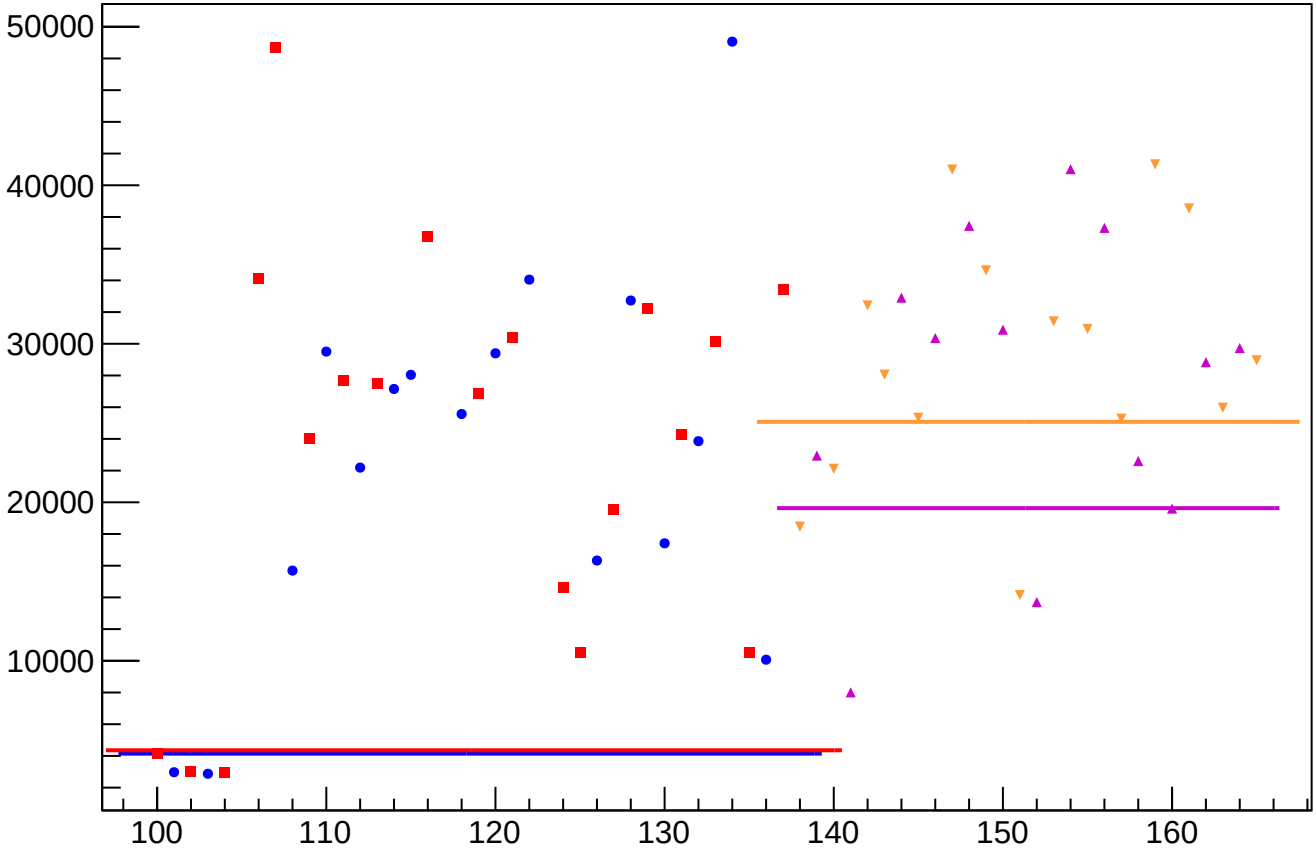
Left In: -7.136+/-7.393 χ^2/NDF:10.9/12

+ sign -7.038+/-2.391 χ^2/NDF: 40.2/30

All: -2.830+/-1.723 χ^2/NDF: 91.7/62

- sign 1.719+/-2.486 χ^2/NDF: 45.1/31

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 25076.024+/-5.798 χ^2/NDF:1831589.7/14

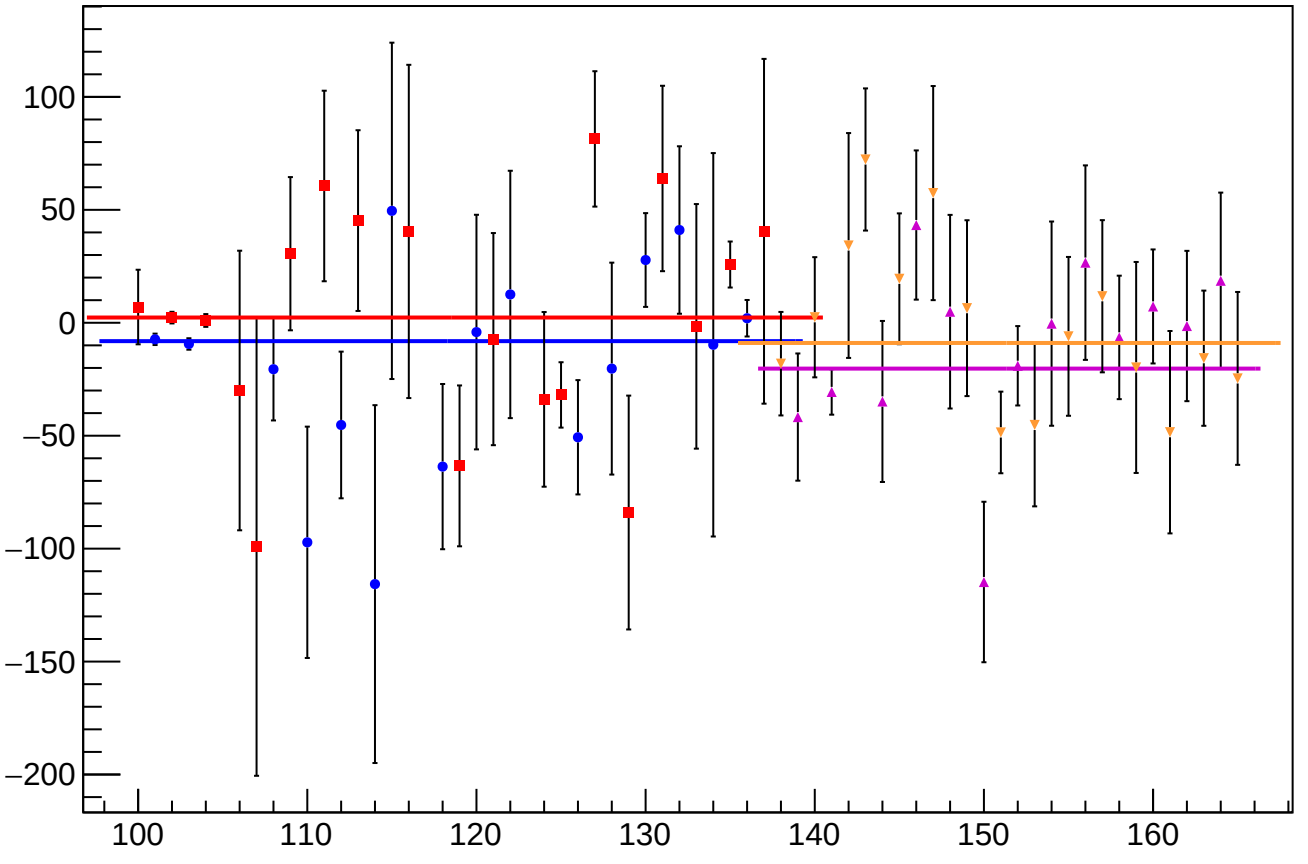
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 19630.553+/-5.228 χ^2/NDF:3839628.9/12

+ sign 5925.273+/-1.691 χ^2/NDF: 20592888.0/30

All: 6000.385+/-1.218 χ^2/NDF: 39635120.0/6

- sign 6081.592+/-1.758 χ^2/NDF: 19038123.6/31



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -8.939+/-8.083 χ^2/NDF:18.1/14

Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

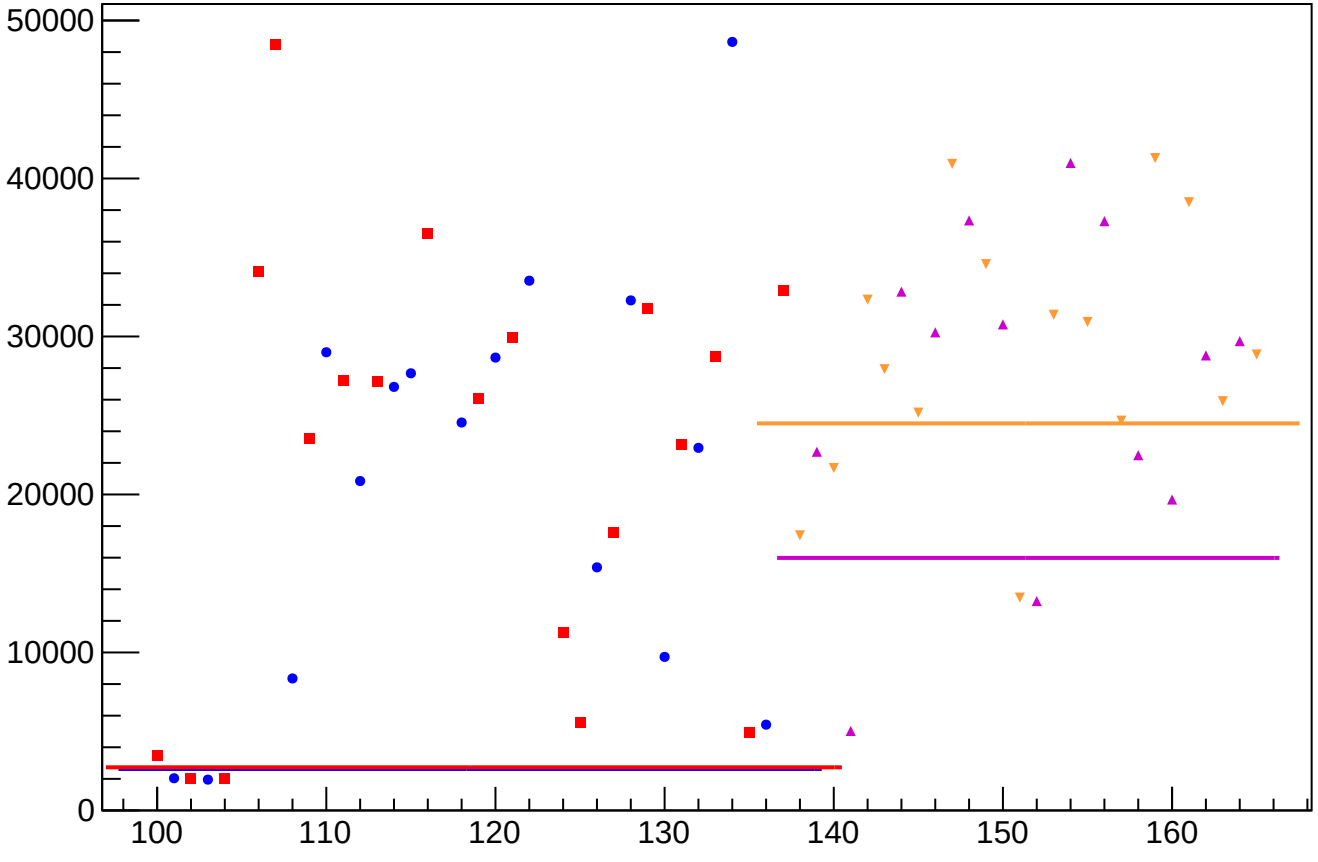
Left In: -20.293+/-6.607 χ^2/NDF:17.1/12

+ sign -8.167+/-1.683 χ^2/NDF: 37.2/30

All: -3.910+/-1.215 χ^2/NDF: 111.6/62

- sign 0.727+/-1.756 χ^2/NDF: 61.0/31

diff_bpm0l03Y_rms vs Slug



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24498.208+/-5.715 χ^2/NDF:2031121.4/14

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

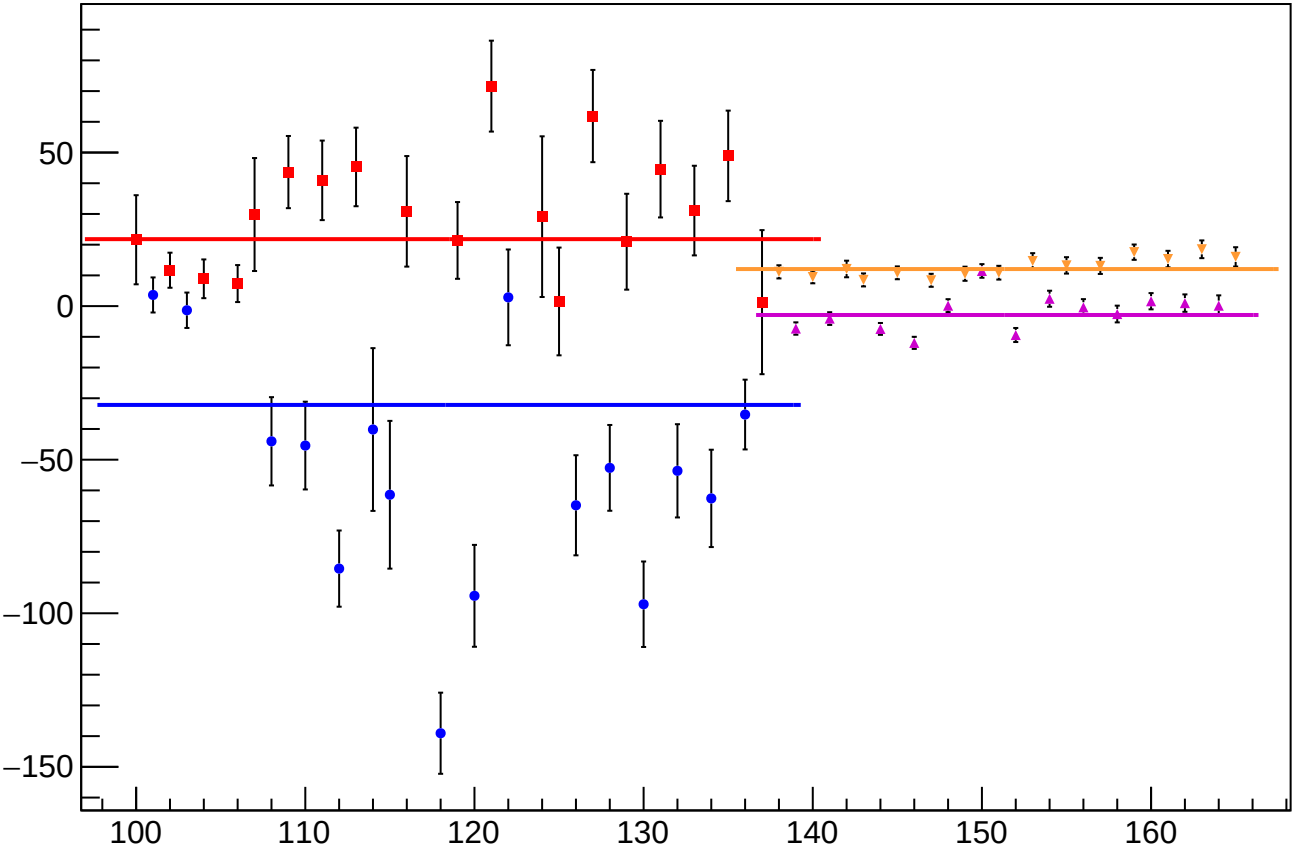
Left In: 15984.415+/-4.672 χ^2/NDF:5996499.4/12

+ sign 3574.339+/-1.190 χ^2/NDF: 22821632.5/30

All: 3618.538+/-0.859 χ^2/NDF: 44287490.4/6

- sign 3666.679+/-1.242 χ^2/NDF: 21462975.1/31

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 12.062+/-0.618 χ^2/NDF:22.9/14

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

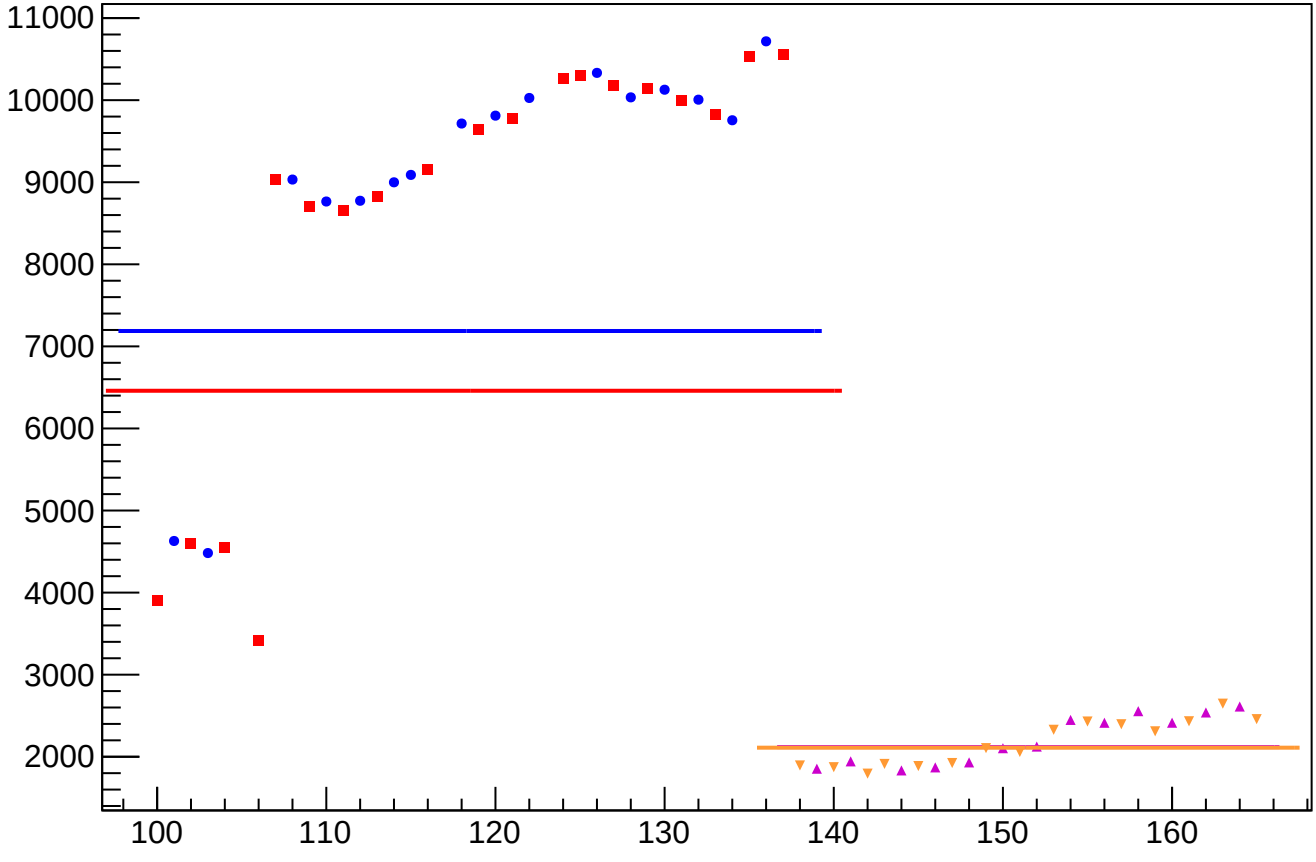
Left In: -2.891+/-0.645 χ^2/NDF:94.2/12

+ sign 10.062+/-0.604 χ^2/NDF: 462.0/30

All: 4.524+/-0.435 χ^2/NDF: 867.1/62

- sign -1.413+/-0.626 χ^2/NDF: 231.0/31

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2110.441+/-0.437 χ^2/NDF:333812.6/14

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

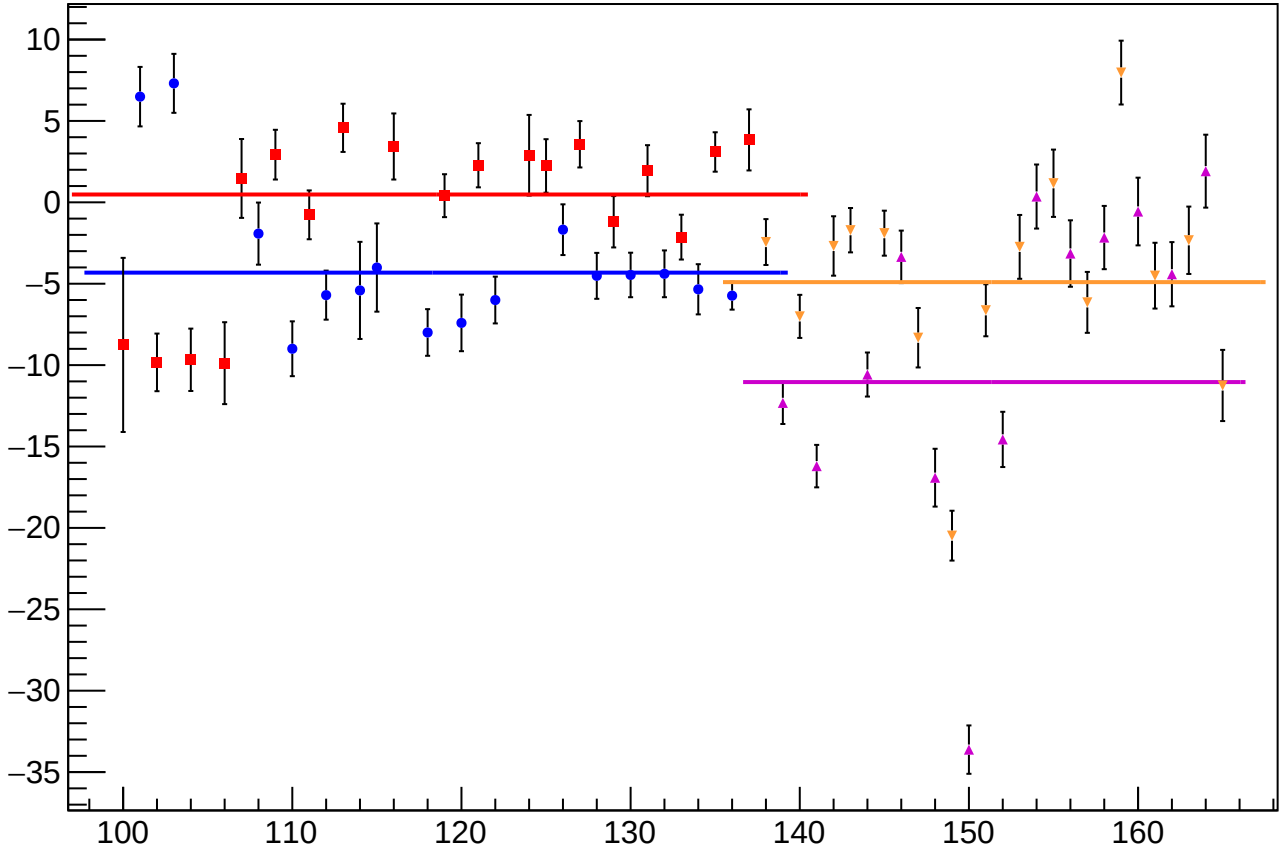
Left In: 2117.602+/-0.456 χ^2/NDF:360232.4/12

+ sign 2339.971+/-0.427 χ^2/NDF: 8134747.2/30

All: 2358.062+/-0.307 χ^2/NDF: 16194766.8/6

- sign 2377.456+/-0.442 χ^2/NDF: 8056304.9/31

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.902+/-0.435 χ^2/NDF:188.8/14

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

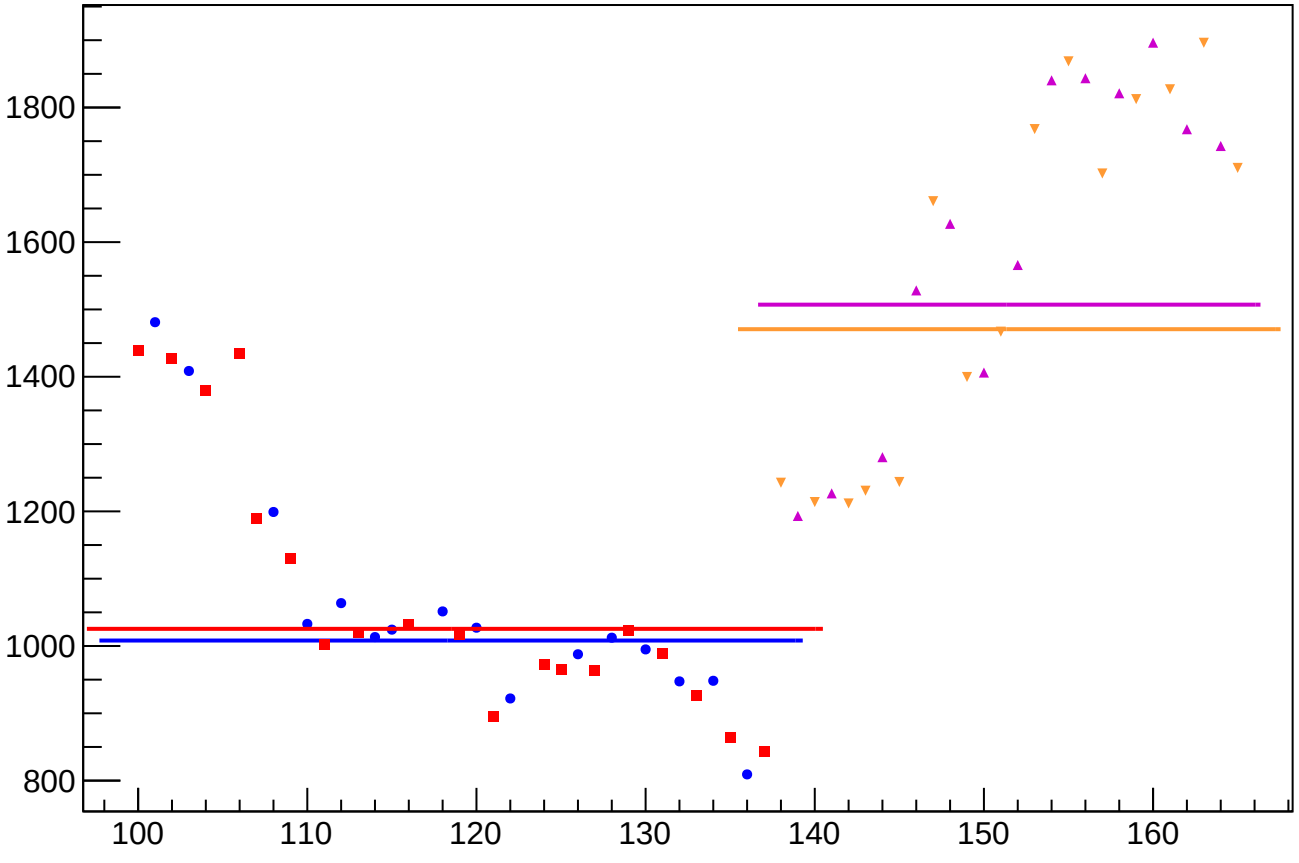
Left In: -11.042+/-0.462 χ^2/NDF:425.3/12

+ sign -4.571+/-0.286 χ^2/NDF: 293.5/30

All: -4.364+/-0.205 χ^2/NDF: 1209.0/62

- sign -4.147+/-0.293 χ^2/NDF: 914.4/31

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1470.663+/-0.308 χ^2/NDF:692115.3/14

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

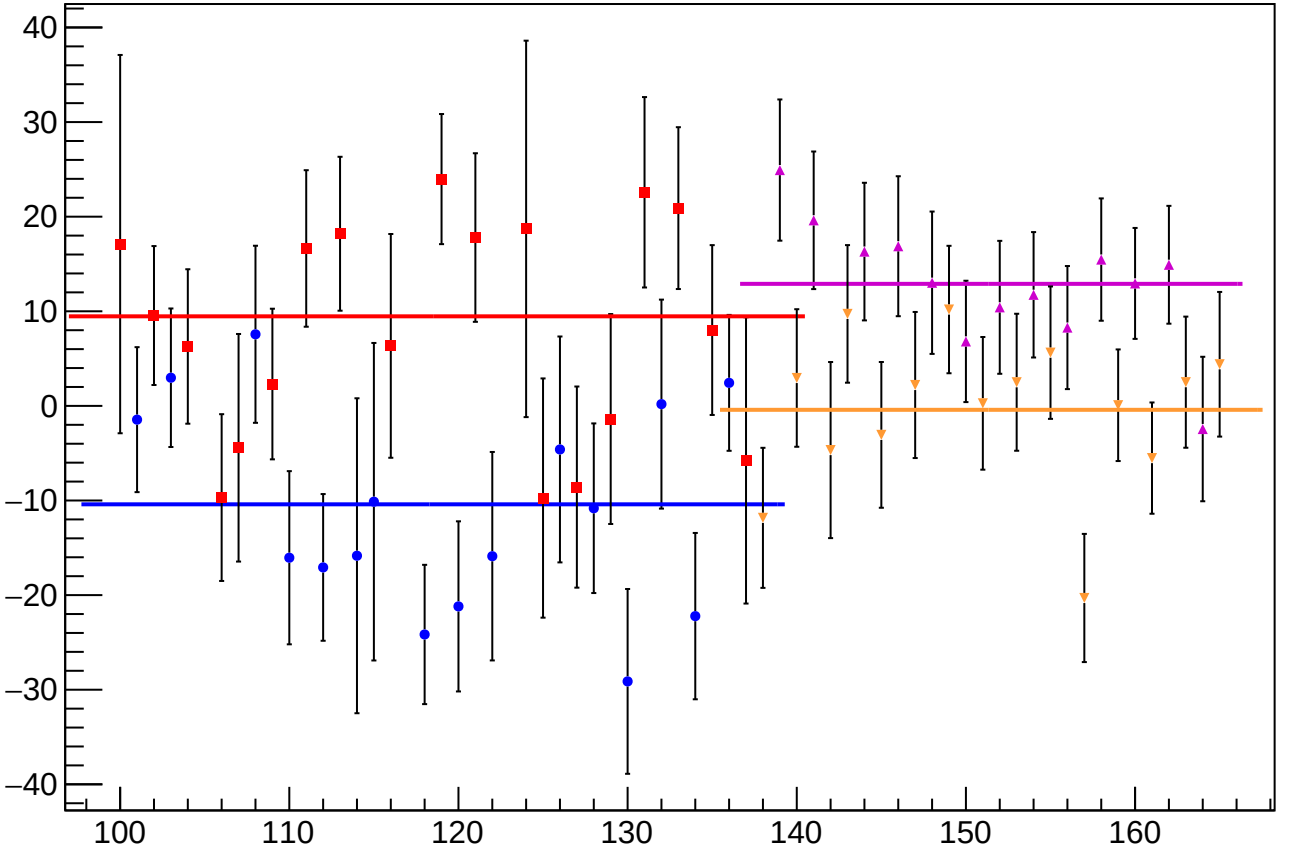
Left In: 1507.112+/-0.327 χ^2/NDF:577725.1/12

+ sign 1208.107+/-0.202 χ^2/NDF: 2353928.1/30

All: 1213.383+/-0.145 χ^2/NDF: 4578507.4/62

- sign 1218.913+/-0.207 χ^2/NDF: 2223186.4/31

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.415+/-1.824 χ^2/NDF:18.3/14

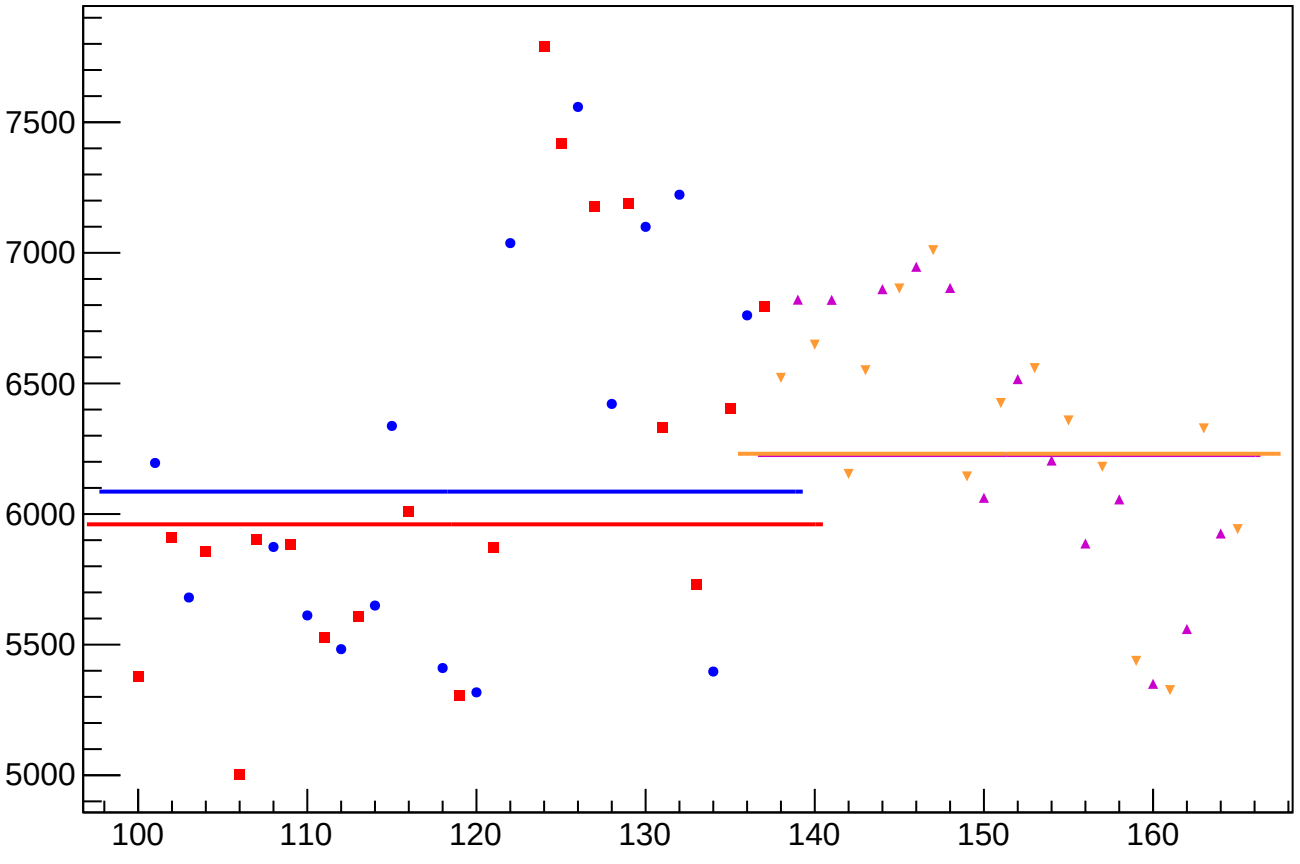
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 12.900+/-1.894 χ^2/NDF:9.8/12

+ sign -4.313+/-1.424 χ^2/NDF: 54.7/30

All: 3.511+/-1.010 χ^2/NDF: 152.0/62

- sign 11.431+/-1.433 χ^2/NDF: 36.6/31



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6230.847+/-1.290 χ^2/NDF:141045.4/14

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

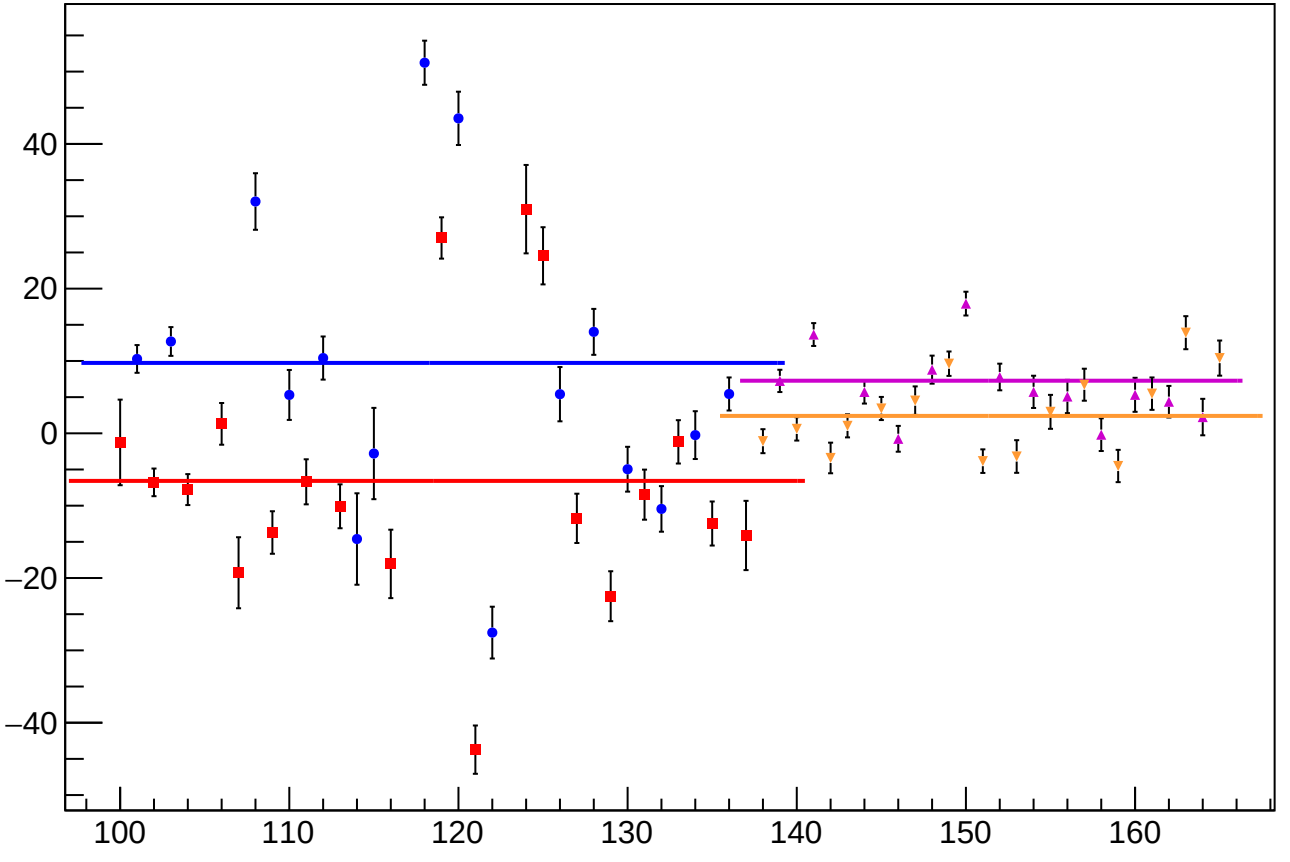
Left In: 6225.823+/-1.340 χ^2/NDF:156913.3/12

+ sign 6174.266+/-1.007 χ^2/NDF: 325094.4/30

All: 6143.501+/-0.714 χ^2/NDF: 663426.5/62

- sign 6112.363+/-1.013 χ^2/NDF: 336454.7/31

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 2.408+/-0.495 χ^2/NDF:106.3/14

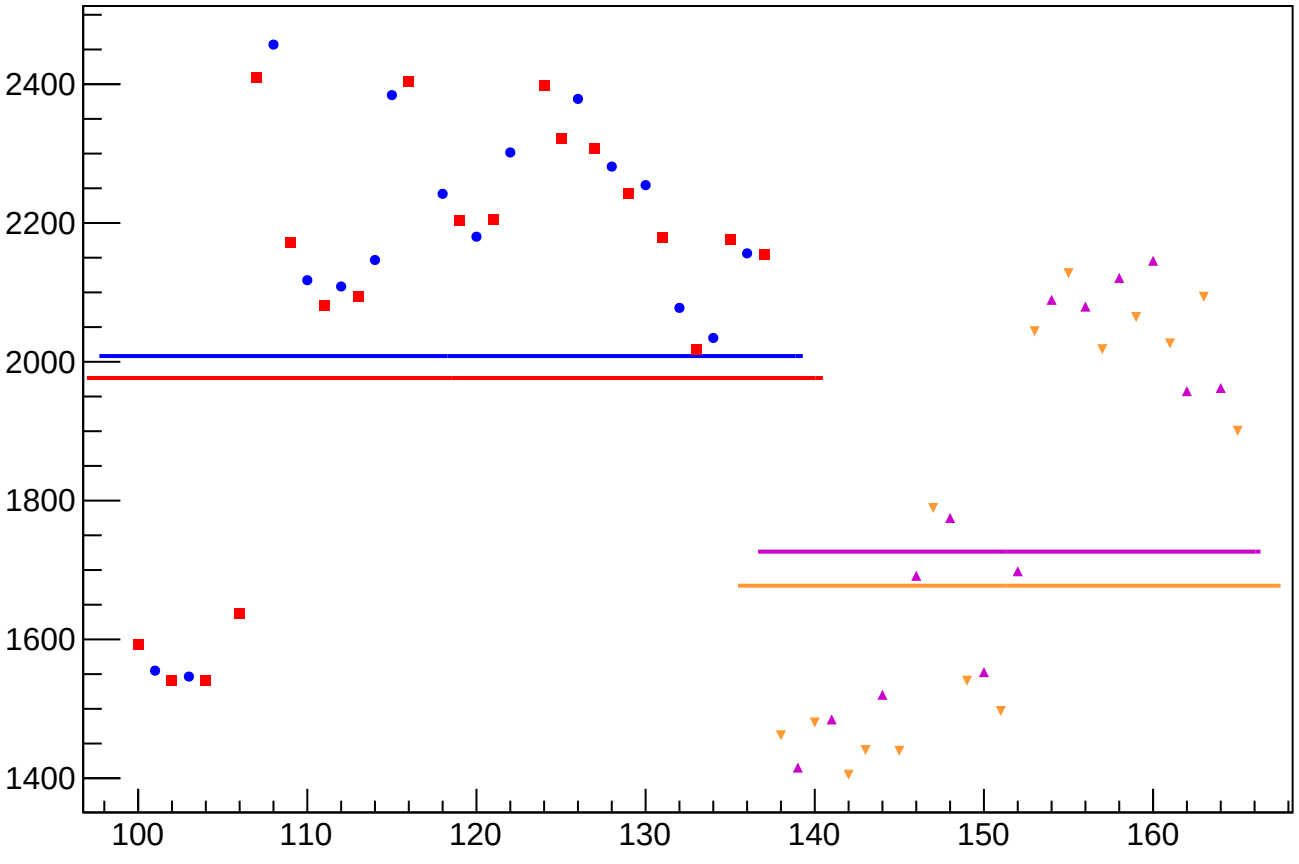
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 7.272+/-0.528 χ^2/NDF:99.0/12

+ sign 4.609+/-0.414 χ^2/NDF: 684.6/30

All: 3.599+/-0.297 χ^2/NDF: 1455.8/62

- sign 2.521+/-0.428 χ^2/NDF: 758.9/31



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1677.406+/-0.350 χ^2/NDF:595284.0/14

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

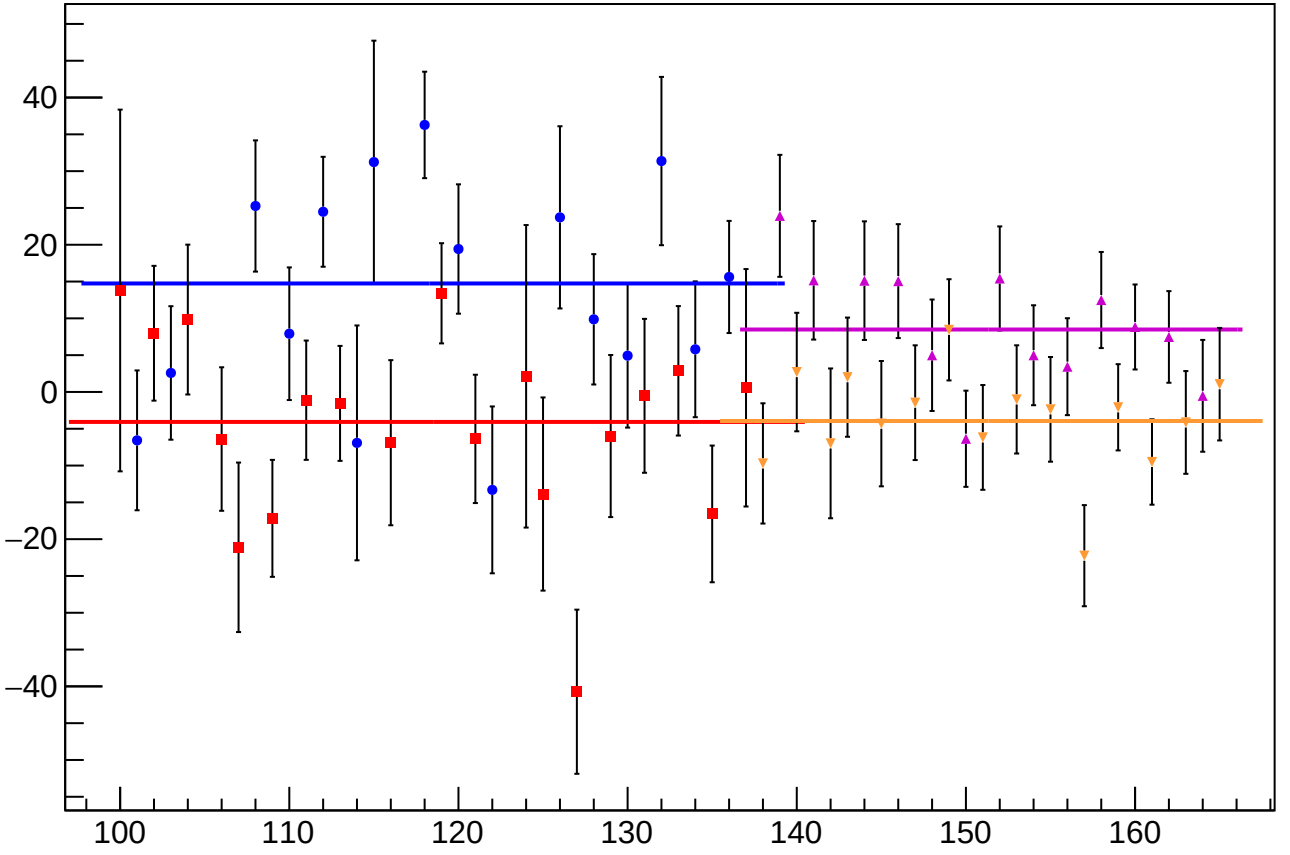
Left In: 1726.497+/-0.373 χ^2/NDF:450829.3/12

+ sign 1776.831+/-0.293 χ^2/NDF: 1208447.9/30

All: 1793.995+/-0.210 χ^2/NDF: 2185934.2/62

- sign 1812.338+/-0.303 χ^2/NDF: 970368.6/31

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -3.946+/-1.882 χ^2/NDF:14.0/14

Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

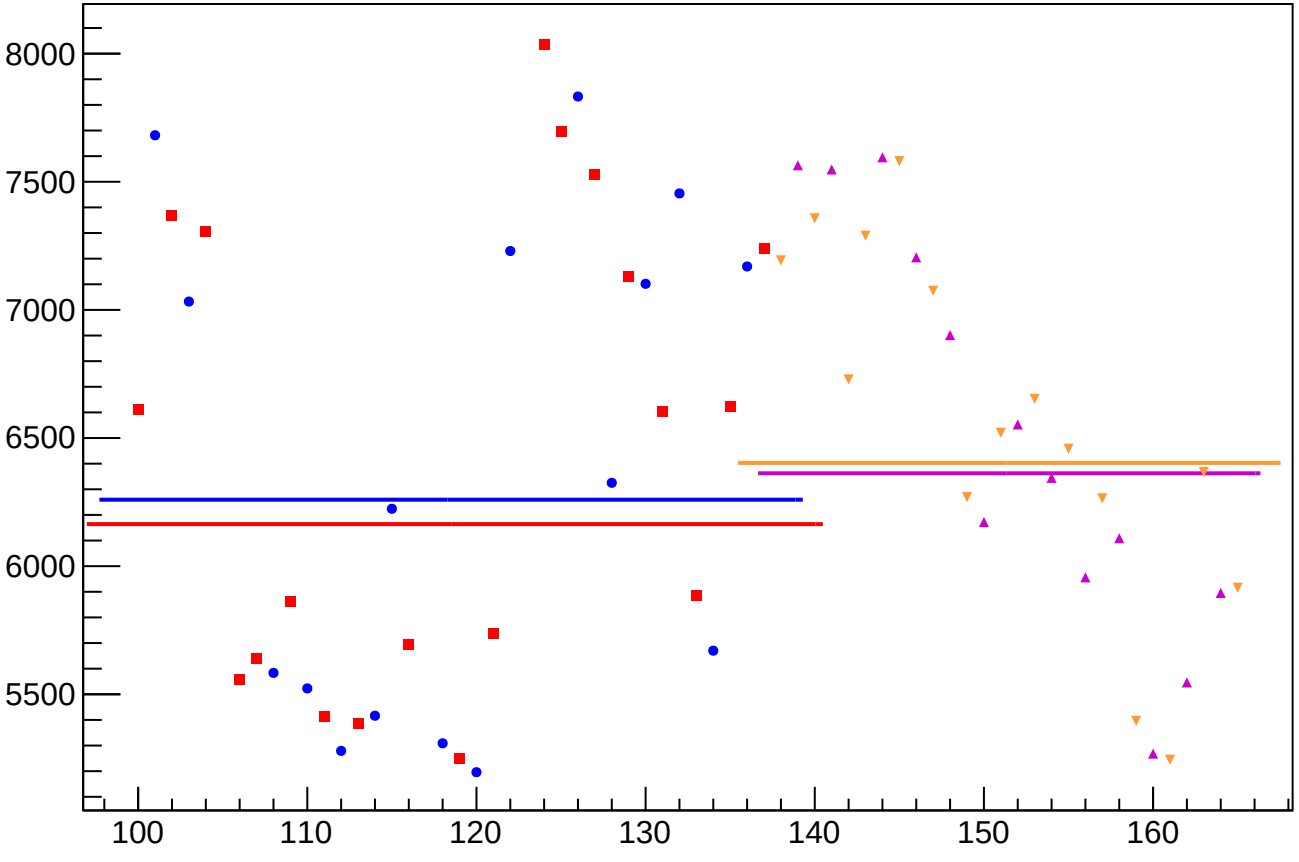
Left In: 8.484+/-1.945 χ^2/NDF:14.6/12

+ sign 3.325+/-1.471 χ^2/NDF: 85.9/30

All: 3.252+/-1.043 χ^2/NDF: 148.2/62

- sign 3.178+/-1.478 χ^2/NDF: 62.3/31

diff_bpm0l06X_rms vs Slug



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6402.938+/-1.331 χ^2/NDF:277479.7/14

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

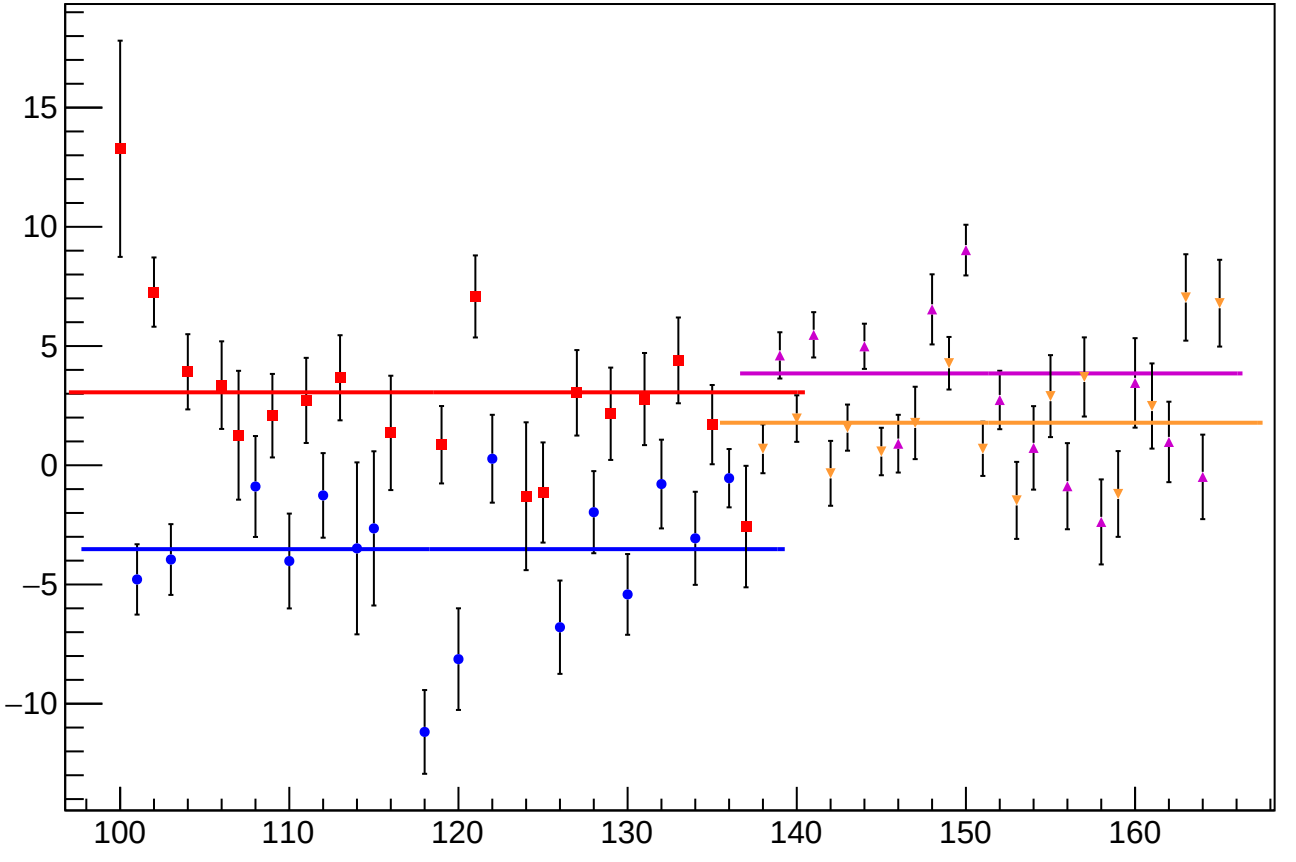
Left In: 6362.368+/-1.375 χ^2/NDF:293627.2/12

+ sign 6347.088+/-1.040 χ^2/NDF: 590613.9/30

All: 6313.015+/-0.737 χ^2/NDF: 1160234.7/62

- sign 6278.599+/-1.045 χ^2/NDF: 567463.0/31

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.784+/-0.334 χ^2/NDF:35.9/14

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

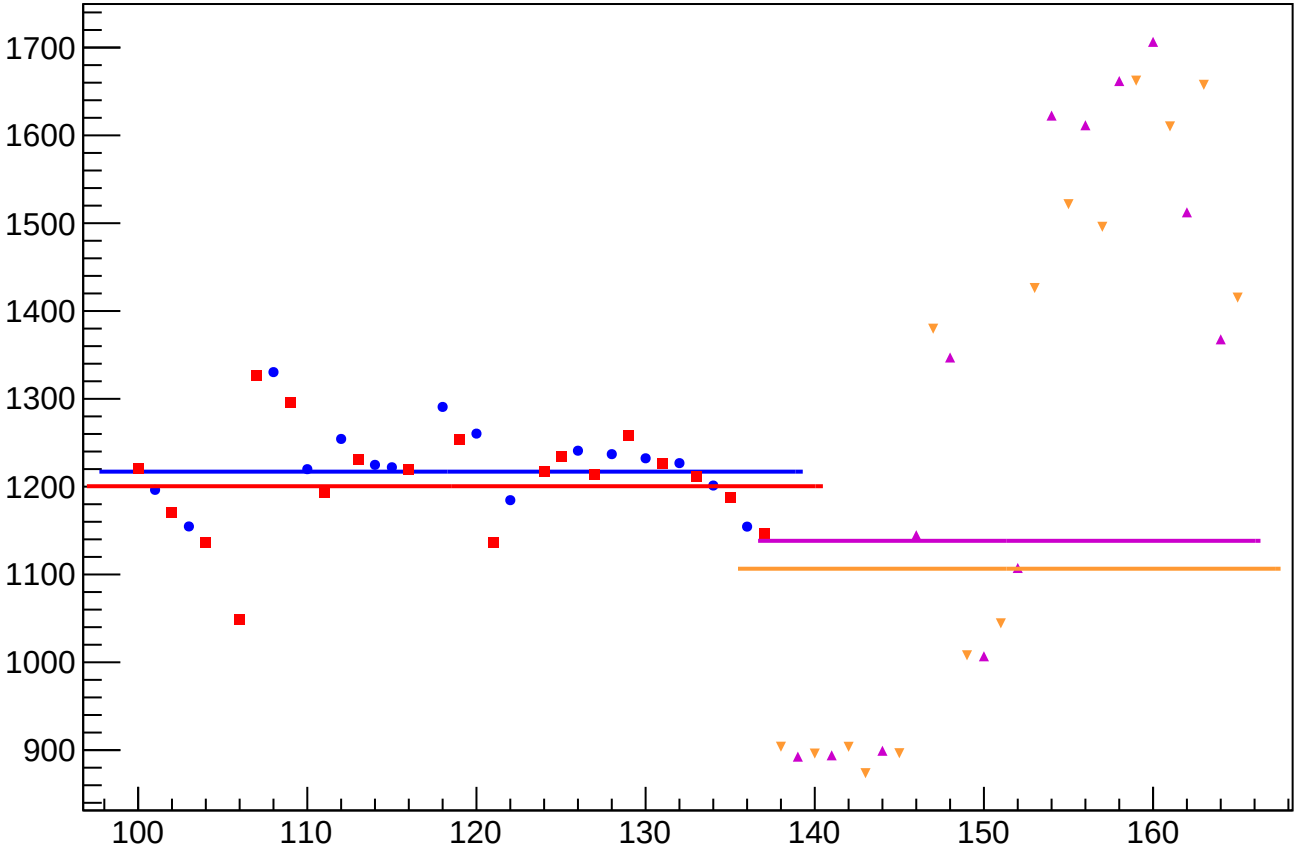
Left In: 3.852+/-0.356 χ^2/NDF:69.9/12

+ sign -0.087+/-0.269 χ^2/NDF: 169.9/30

All: 1.673+/-0.193 χ^2/NDF: 364.8/62

- sign 3.537+/-0.276 χ^2/NDF: 106.7/31

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1106.555+/-0.236 χ^2/NDF:1404796.8/14

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

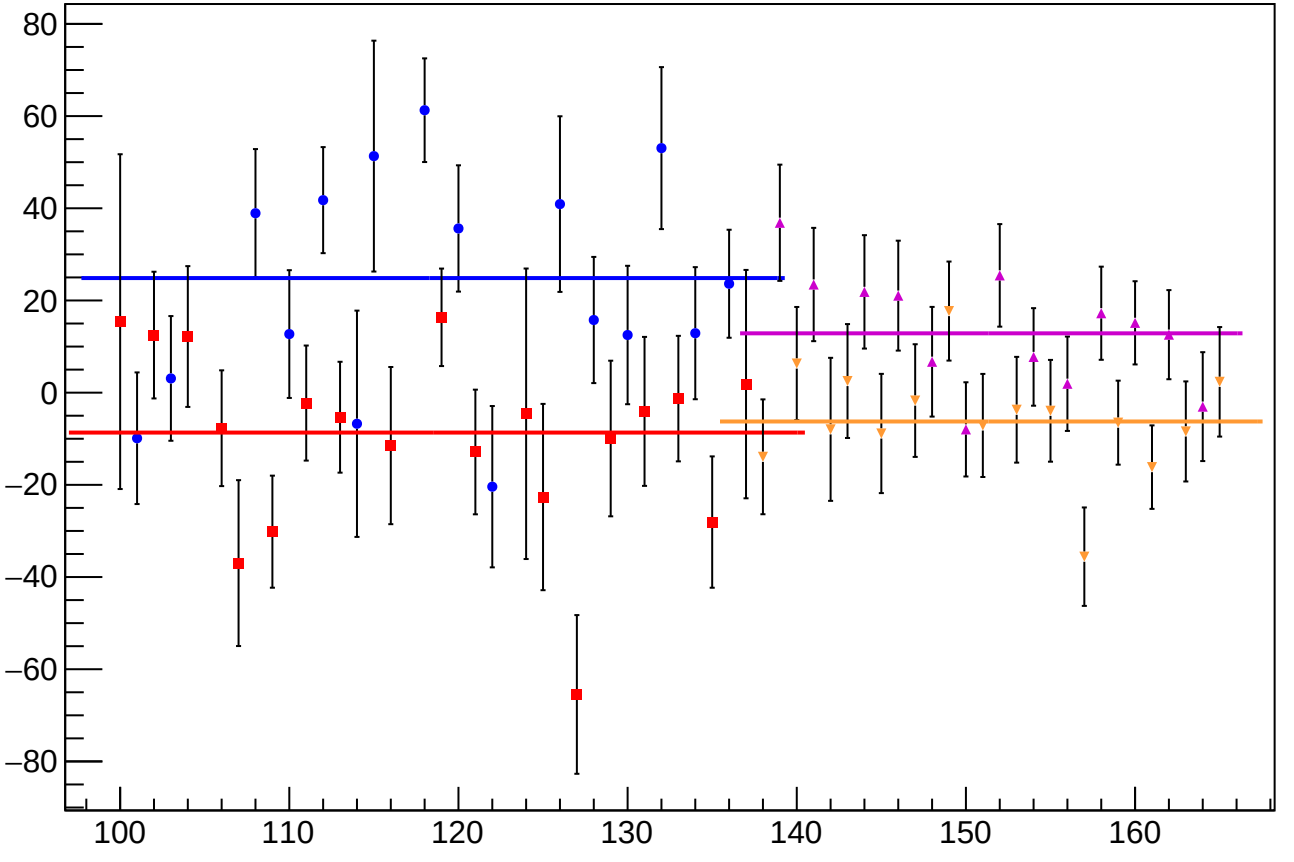
Left In: 1138.327+/-0.252 χ^2/NDF:1237624.4/12

+ sign 1145.553+/-0.190 χ^2/NDF: 1503758.2/30

All: 1154.057+/-0.136 χ^2/NDF: 2807387.3/62

- sign 1163.058+/-0.195 χ^2/NDF: 1299506.3/31

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -6.253+/-2.917 χ^2/NDF:16.5/14

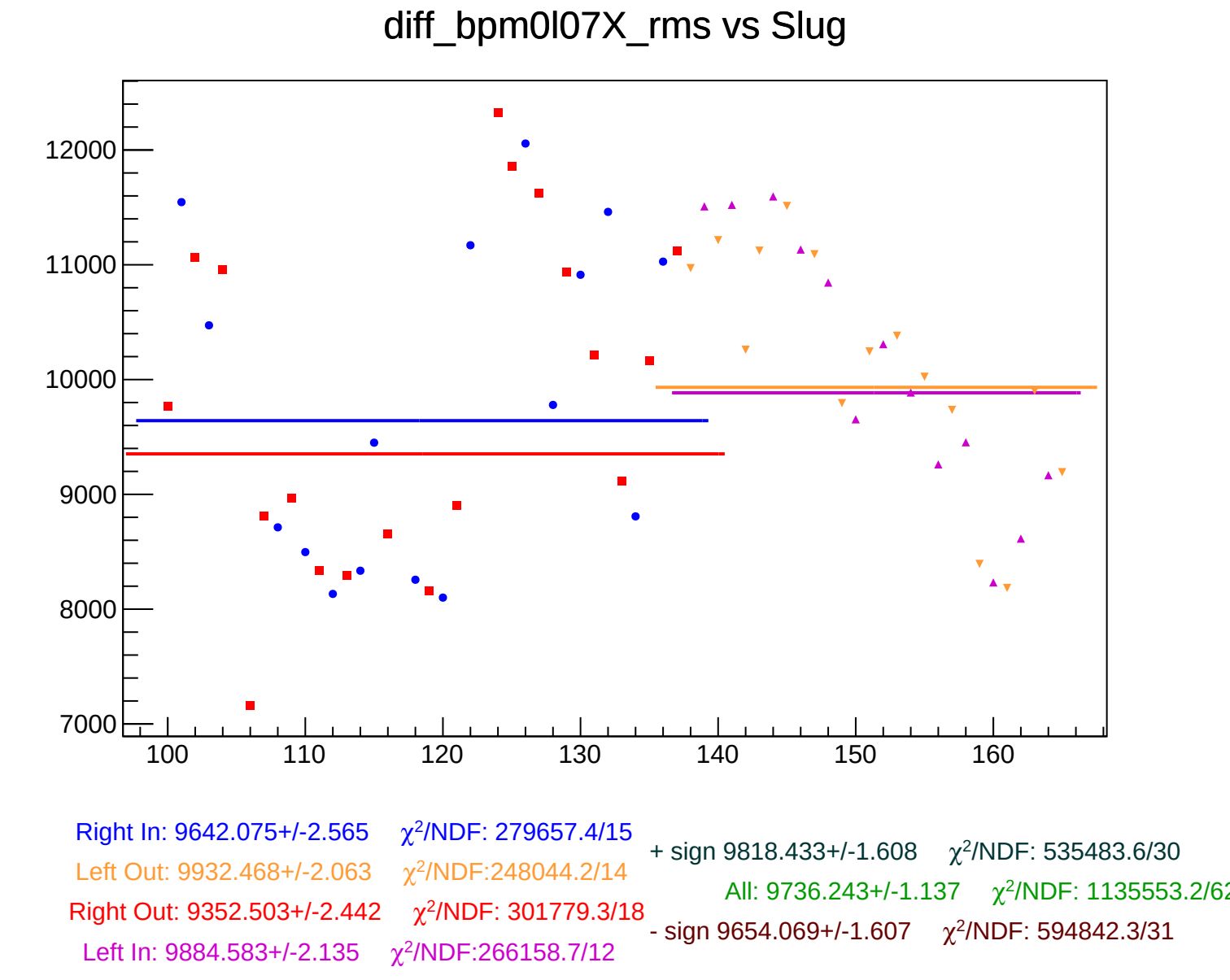
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 12.872+/-3.020 χ^2/NDF:14.5/12

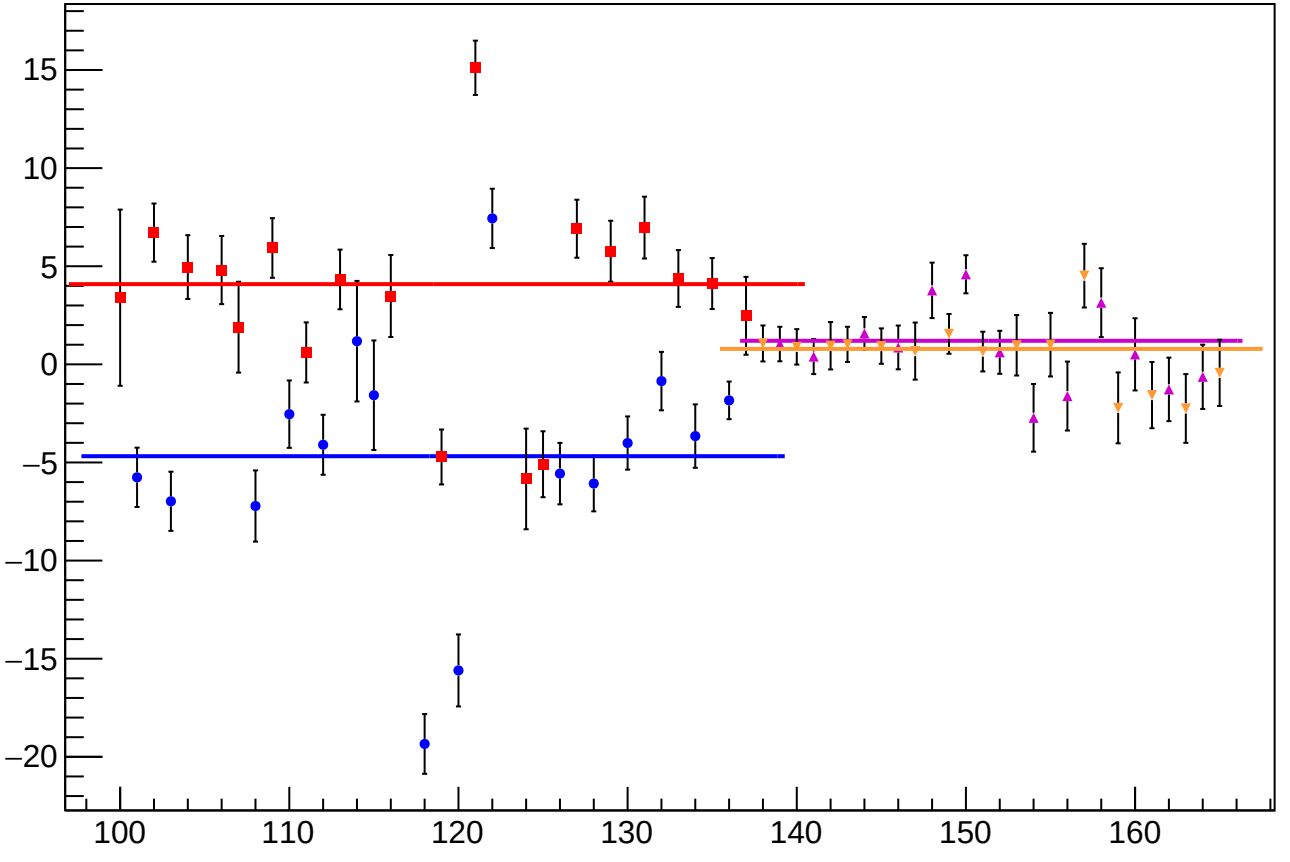
+ sign 5.965+/-2.273 χ^2/NDF: 99.3/30

All: 4.754+/-1.608 χ^2/NDF: 166.5/62

- sign 3.544+/-2.273 χ^2/NDF: 66.7/31


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
160
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 9932.468+/-2.063 χ²/NDF:248044.2/14
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 9884.583+/-2.135 χ²/NDF:266158.7/12
+ sign 9818.433+/-1.608 χ²/NDF: 535483.6/30
All: 9736.243+/-1.137 χ²/NDF: 1135553.2/62
- sign 9654.069+/-1.607 χ²/NDF: 594842.3/31

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.787+/-0.308 χ^2/NDF:14.4/14

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

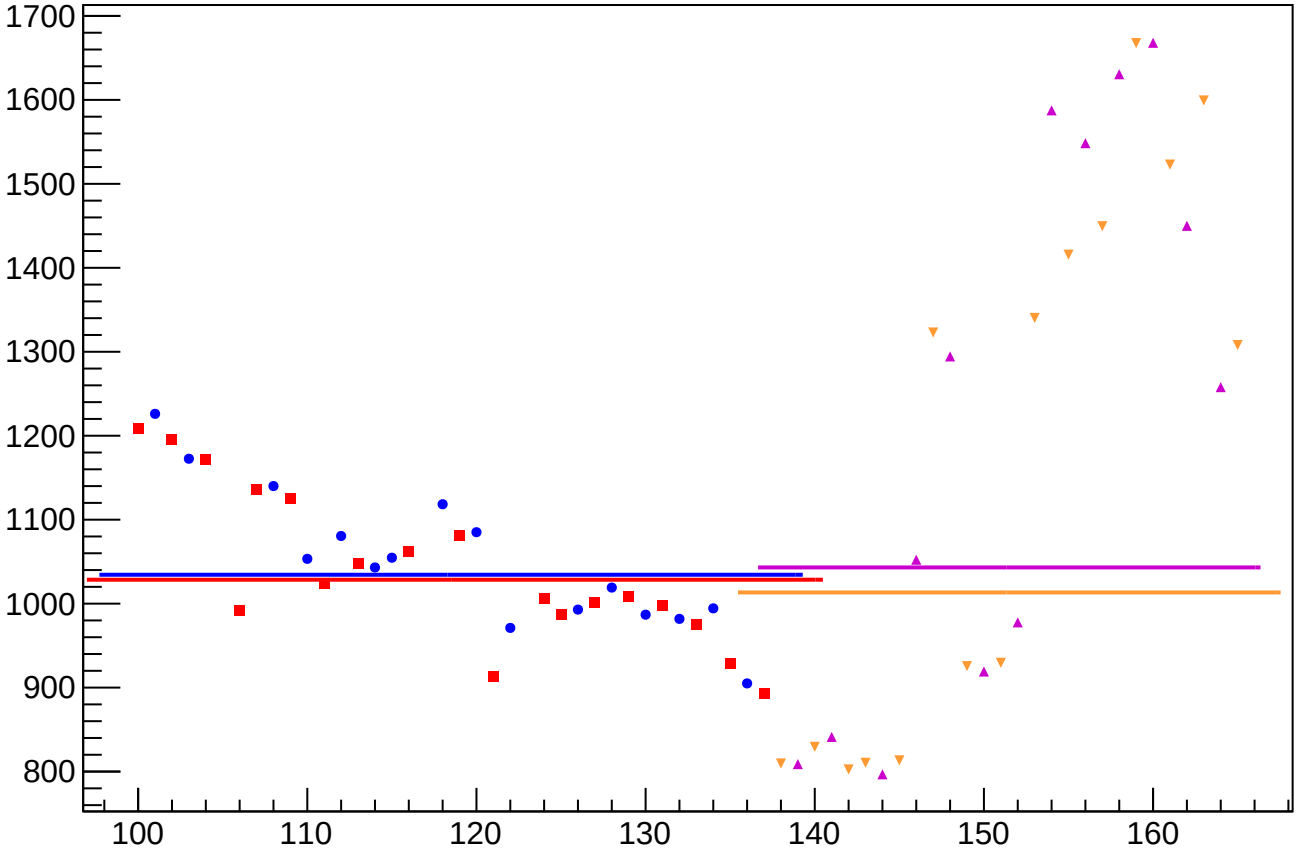
Left In: 1.200+/-0.330 χ^2/NDF:29.6/12

\+ sign -1.345+/-0.241 χ^2/NDF: 358.1/30

All: 0.499+/-0.173 χ^2/NDF: 709.8/62

\- sign 2.454+/-0.248 χ^2/NDF: 231.0/31

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1013.343+/-0.218 χ^2/NDF:1649956.3/14

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

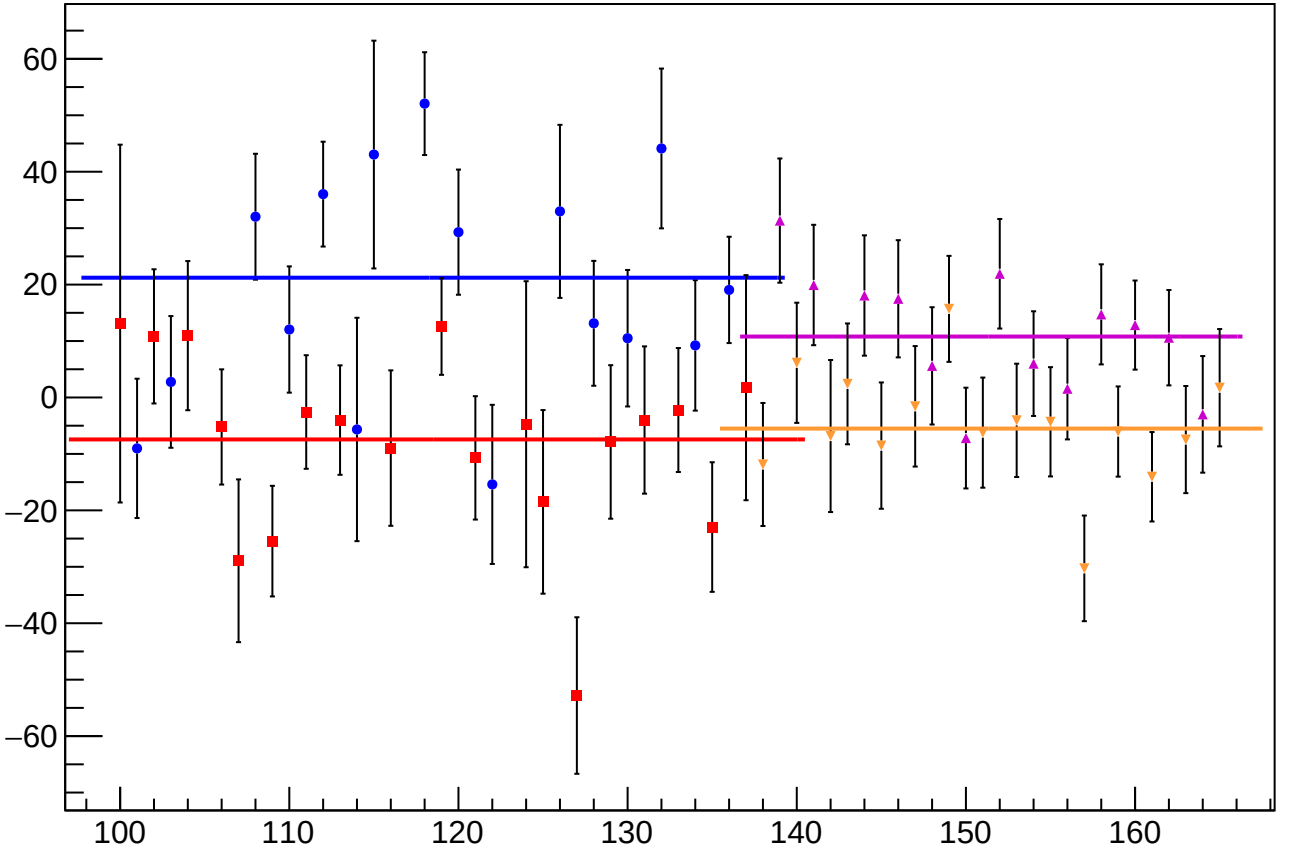
Left In: 1043.124+/-0.233 χ^2/NDF:1499647.4/12

+ sign 1021.556+/-0.170 χ^2/NDF: 1766870.4/30

All: 1028.943+/-0.122 χ^2/NDF: 3373723.6/62

- sign 1036.773+/-0.175 χ^2/NDF: 1602980.0/31

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -5.510+/-2.548 χ^2/NDF:16.1/14

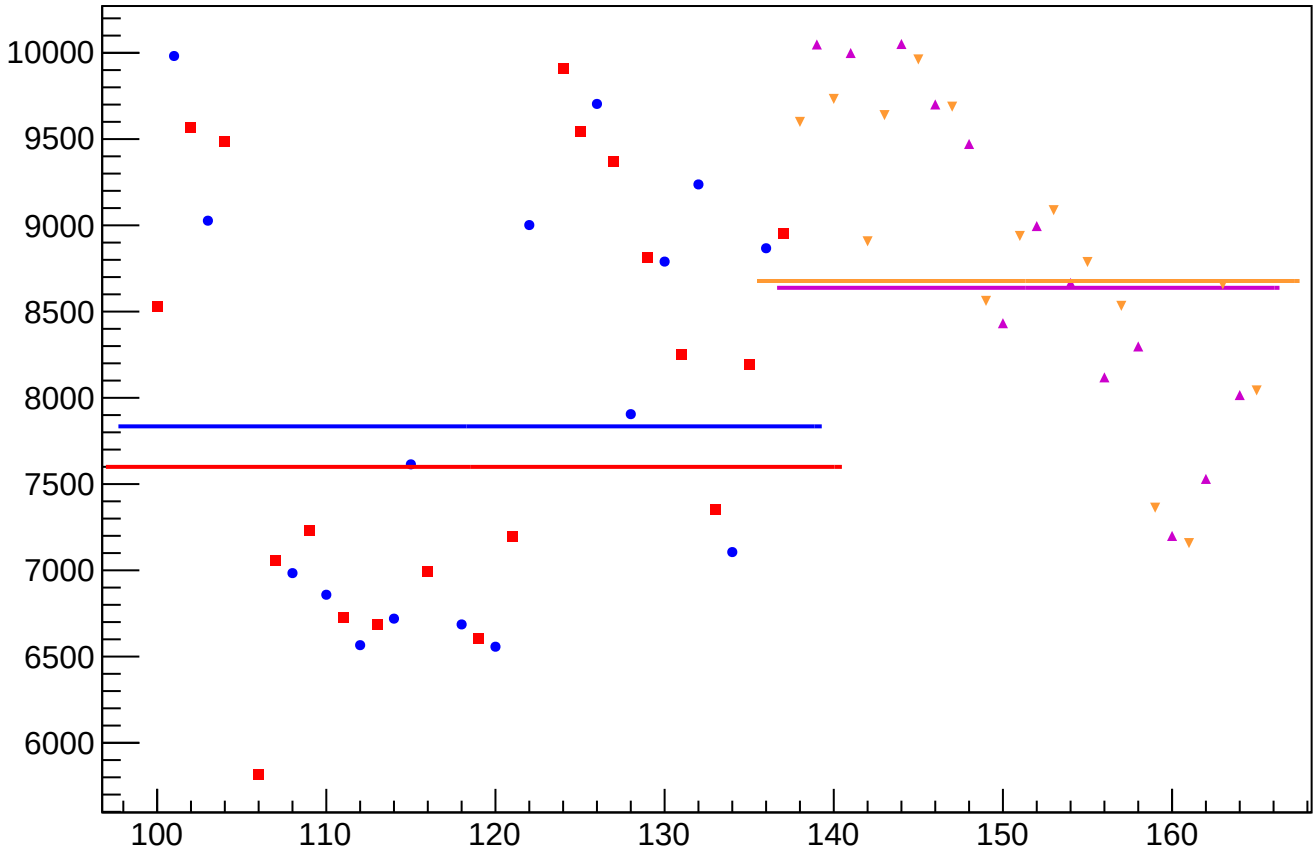
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 10.797+/-2.638 χ^2/NDF:14.1/12

+ sign 5.904+/-1.929 χ^2/NDF: 103.2/30

All: 4.076+/-1.362 χ^2/NDF: 171.3/62

- sign 2.258+/-1.923 χ^2/NDF: 66.3/31



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8677.345+/-1.802 χ^2/NDF:235910.7/14

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

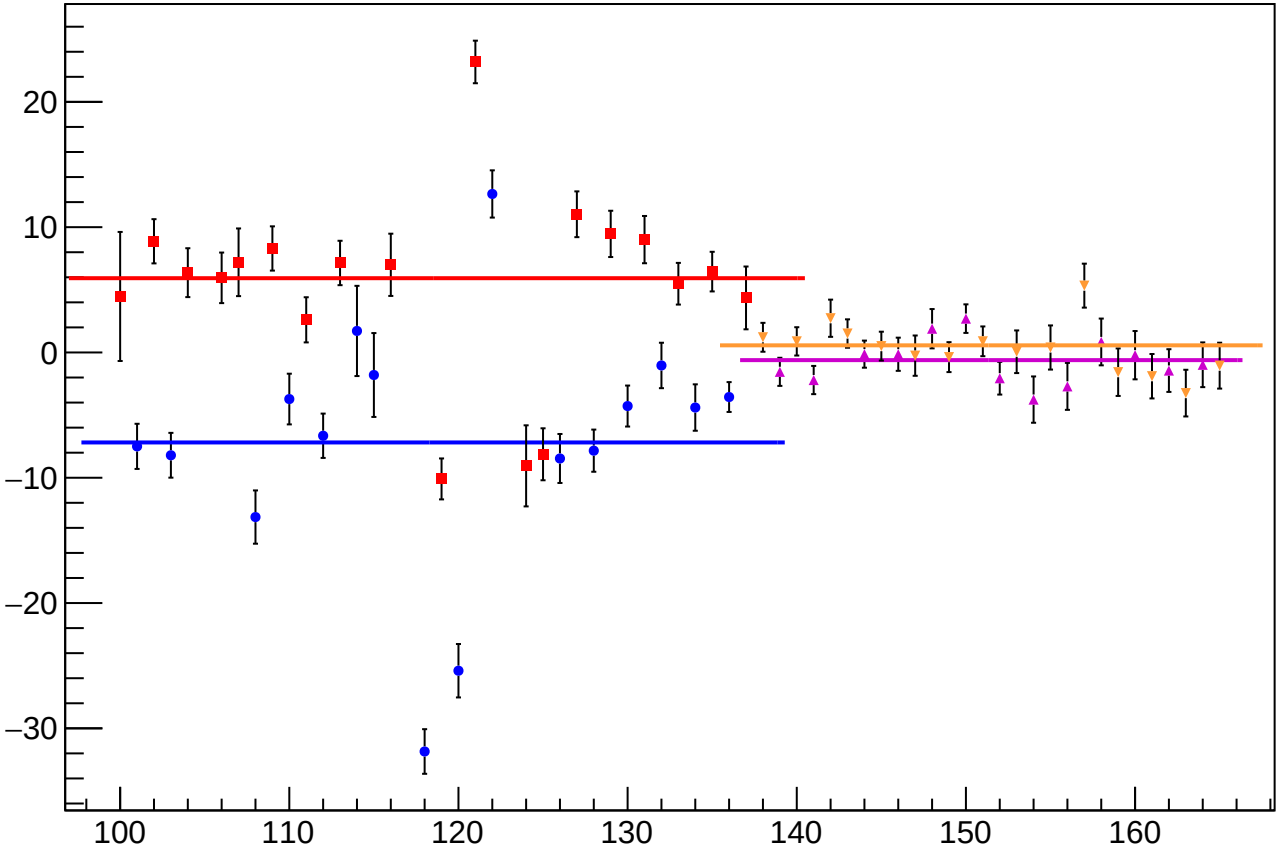
Left In: 8637.826+/-1.865 χ^2/NDF:255900.1/12

+ sign 8317.541+/-1.364 χ^2/NDF: 647416.5/30

All: 8234.350+/-0.963 χ^2/NDF: 1400110.9/62

- sign 8151.630+/-1.360 χ^2/NDF: 745273.9/31

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.569+/-0.365 χ^2/NDF:19.8/14

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

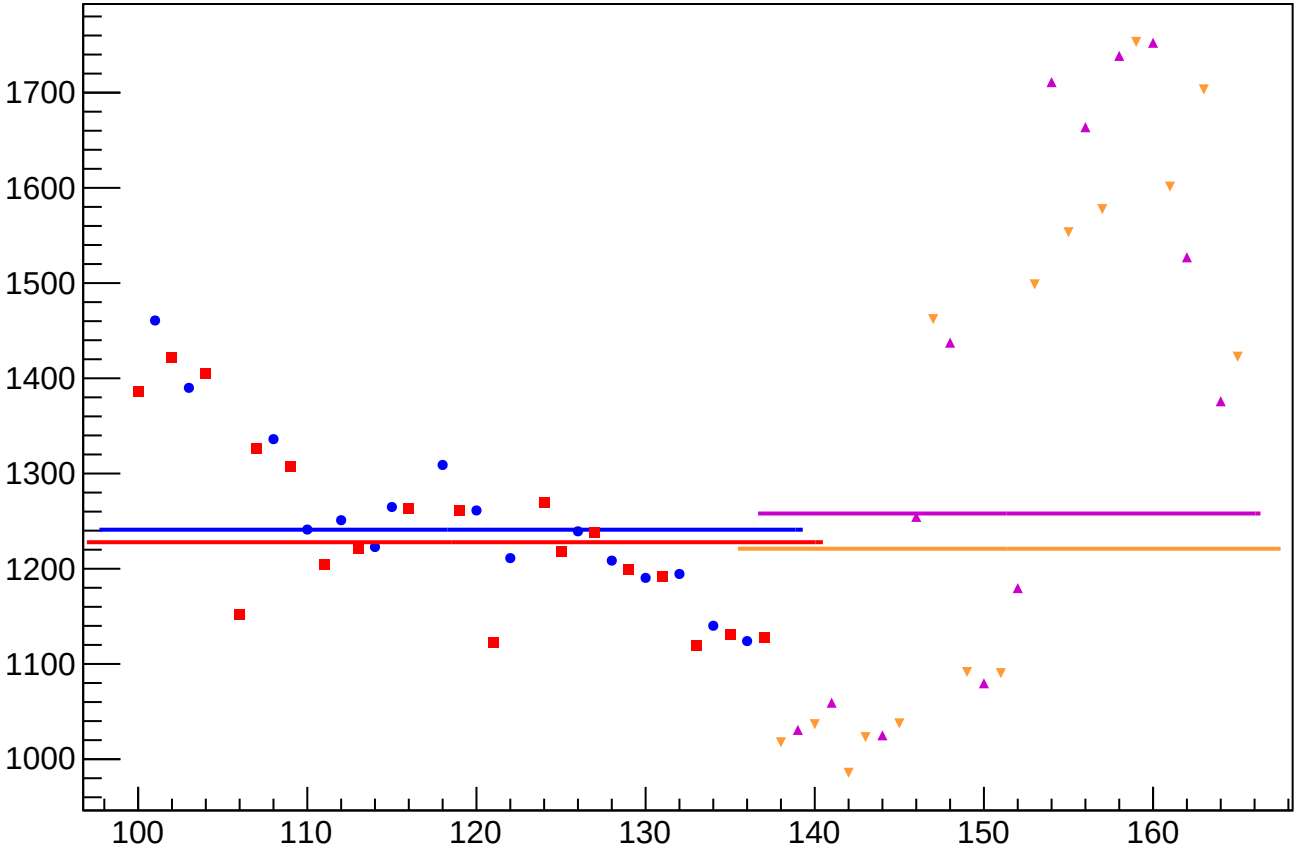
Left In: -0.612+/-0.390 χ^2/NDF:20.3/12

+ sign -2.410+/-0.287 χ^2/NDF: 615.1/30

All: -0.168+/-0.205 χ^2/NDF: 1172.5/62

- sign 2.202+/-0.295 χ^2/NDF: 431.4/31

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1221.019+/-0.258 χ^2/NDF:985042.8/14

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

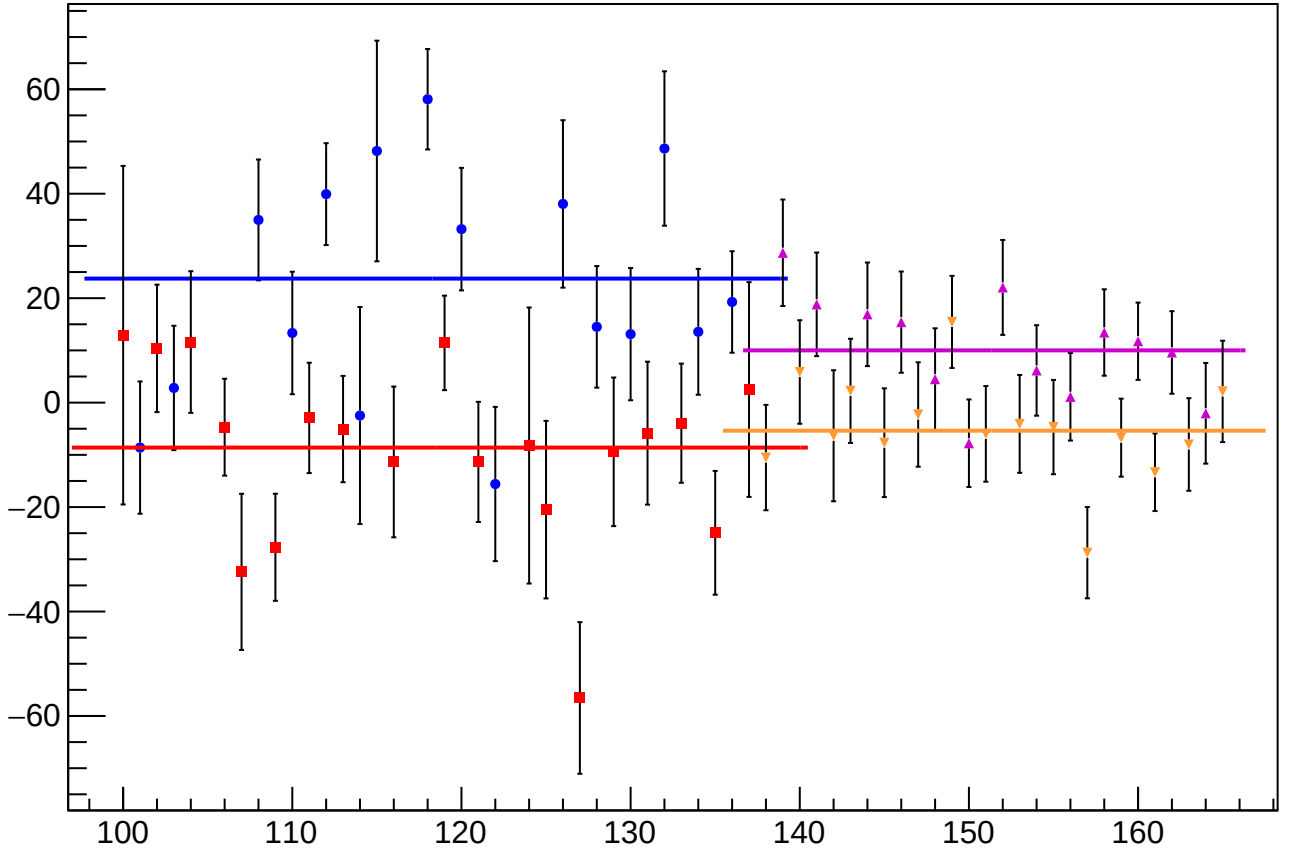
Left In: 1258.022+/-0.276 χ^2/NDF:856038.8/12

+ sign 1228.701+/-0.203 χ^2/NDF: 1067997.8/30

All: 1236.648+/-0.145 χ^2/NDF: 2014675.9/62

- sign 1245.046+/-0.208 χ^2/NDF: 943515.3/31

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -5.372+/-2.380 χ^2/NDF:16.9/14

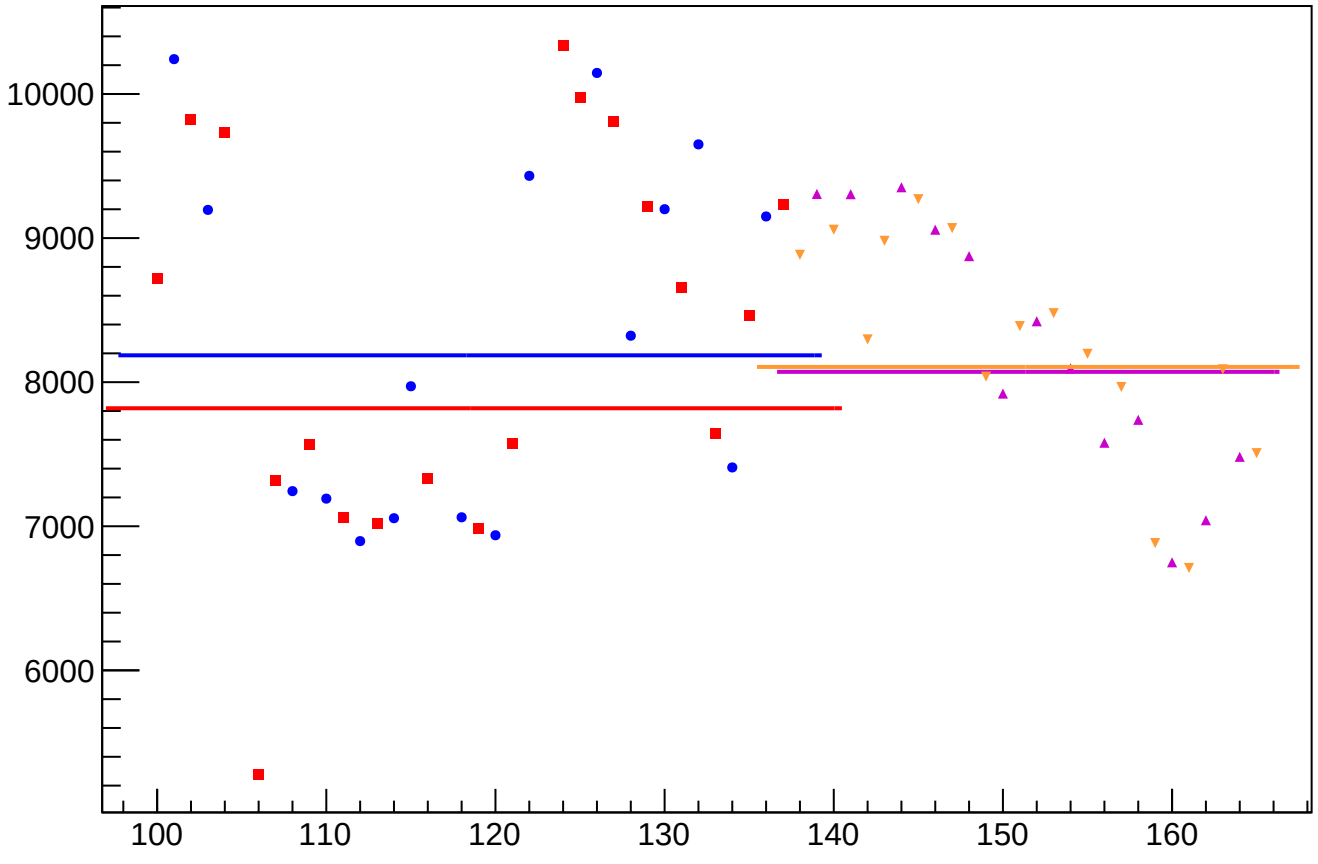
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.007+/-2.464 χ^2/NDF:14.6/12

+ sign 5.507+/-1.883 χ^2/NDF: 116.3/30

All: 3.847+/-1.330 χ^2/NDF: 186.9/62

- sign 2.198+/-1.878 χ^2/NDF: 69.0/31



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8105.916+/-1.683 χ^2/NDF:227519.3/14

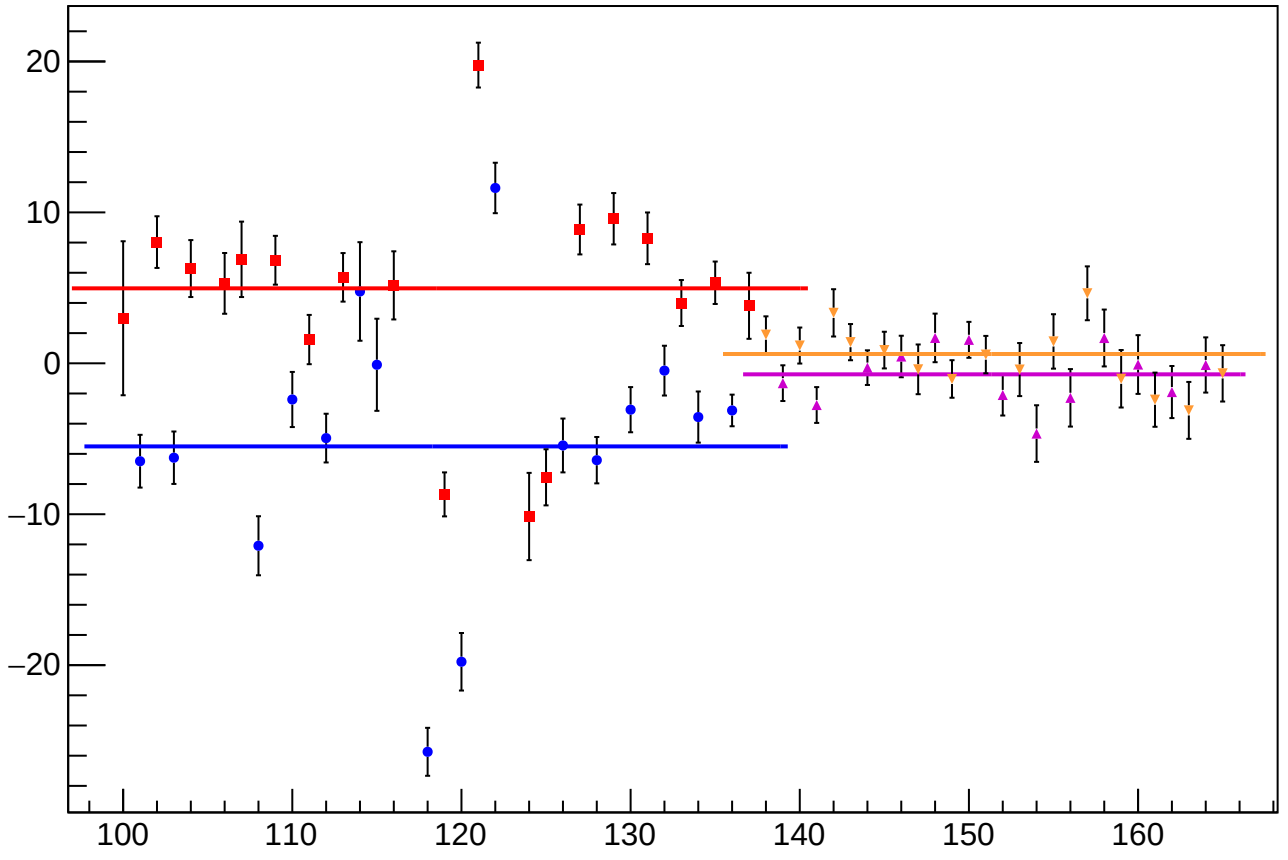
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8071.606+/-1.742 χ^2/NDF:246993.2/12

+ sign 8135.967+/-1.332 χ^2/NDF: 519001.9/30

All: 8050.539+/-0.940 χ^2/NDF: 1206016.2/62

- sign 7965.638+/-1.328 χ^2/NDF: 678809.6/31



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.616+/-0.380 χ^2/NDF:20.6/14

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

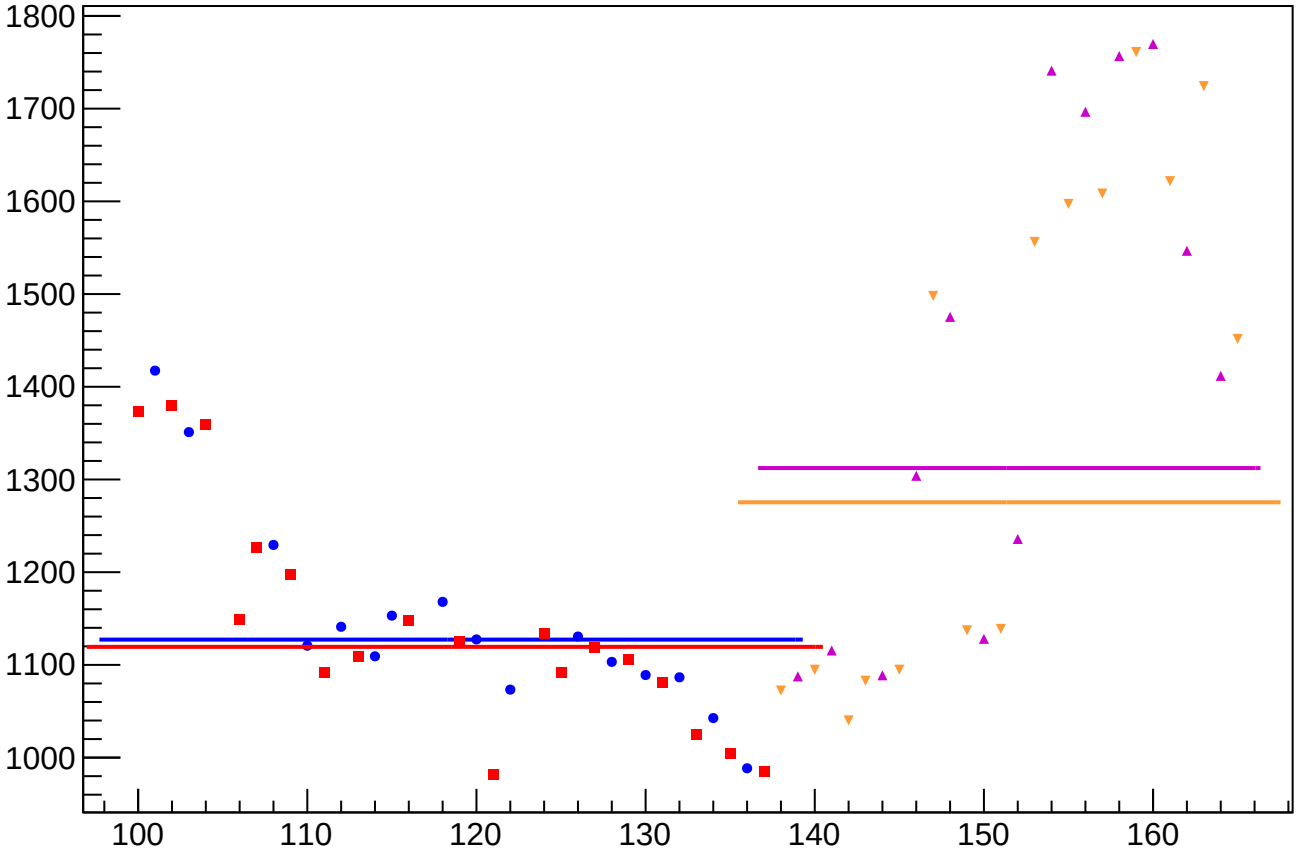
Left In: -0.730+/-0.406 χ^2/NDF:18.4/12

+ sign -2.133+/-0.282 χ^2/NDF: 507.0/30

All: -0.072+/-0.202 χ^2/NDF: 1019.5/62

- sign 2.085+/-0.288 χ^2/NDF: 403.2/31

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1275.407+/-0.269 χ^2/NDF:847937.3/14

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

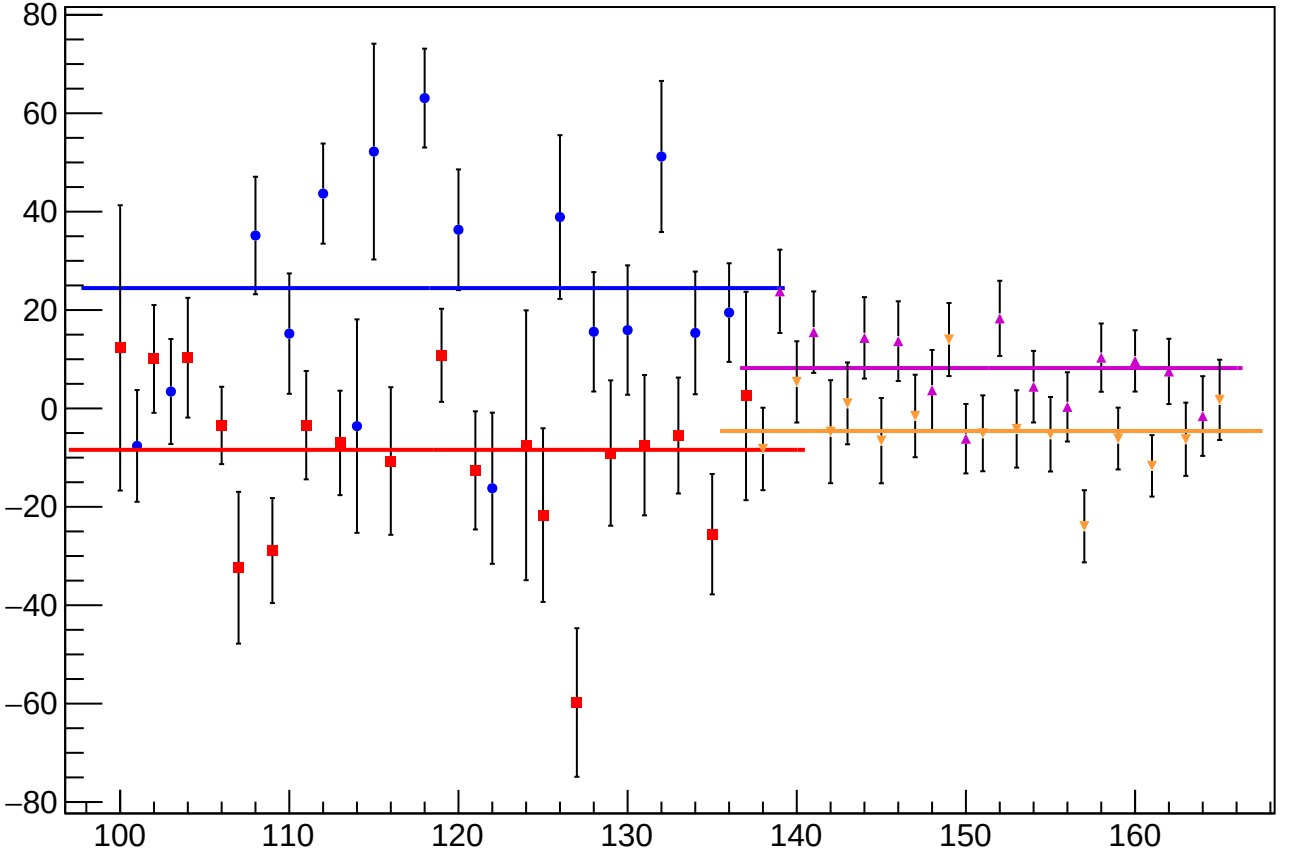
Left In: 1312.345+/-0.287 χ^2/NDF:728070.5/12

+ sign 1208.884+/-0.199 χ^2/NDF: 1125007.8/30

All: 1212.874+/-0.143 χ^2/NDF: 2218169.5/62

- sign 1217.048+/-0.204 χ^2/NDF: 1092342.7/31

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -4.584+/-1.995 χ^2/NDF:17.6/14

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

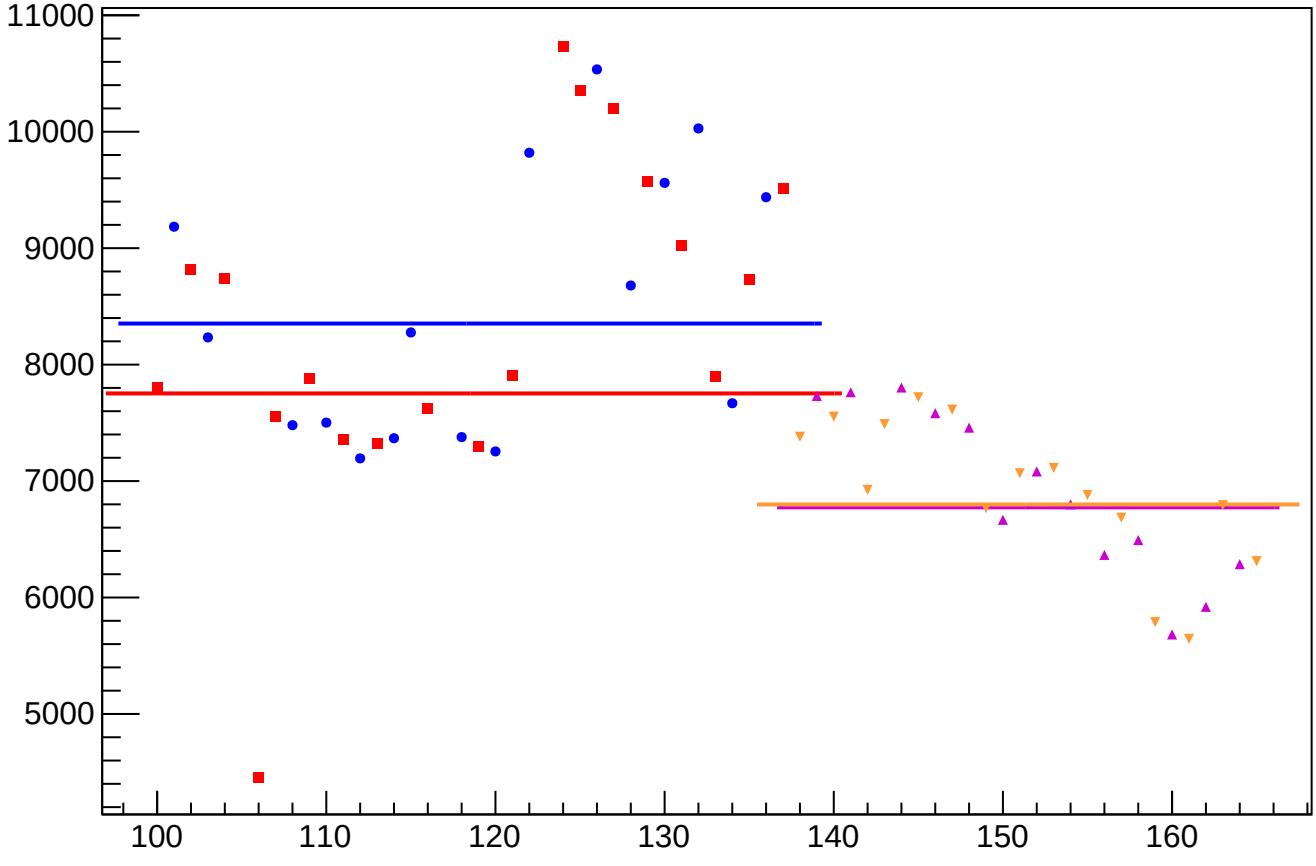
Left In: 8.211+/-2.067 χ^2/NDF:14.5/12

+ sign 3.785+/-1.683 χ^2/NDF: 126.9/30

All: 3.185+/-1.190 χ^2/NDF: 194.7/62

- sign 2.586+/-1.682 χ^2/NDF: 67.5/31

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6798.996+/-1.411 χ^2/NDF:215184.6/14

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

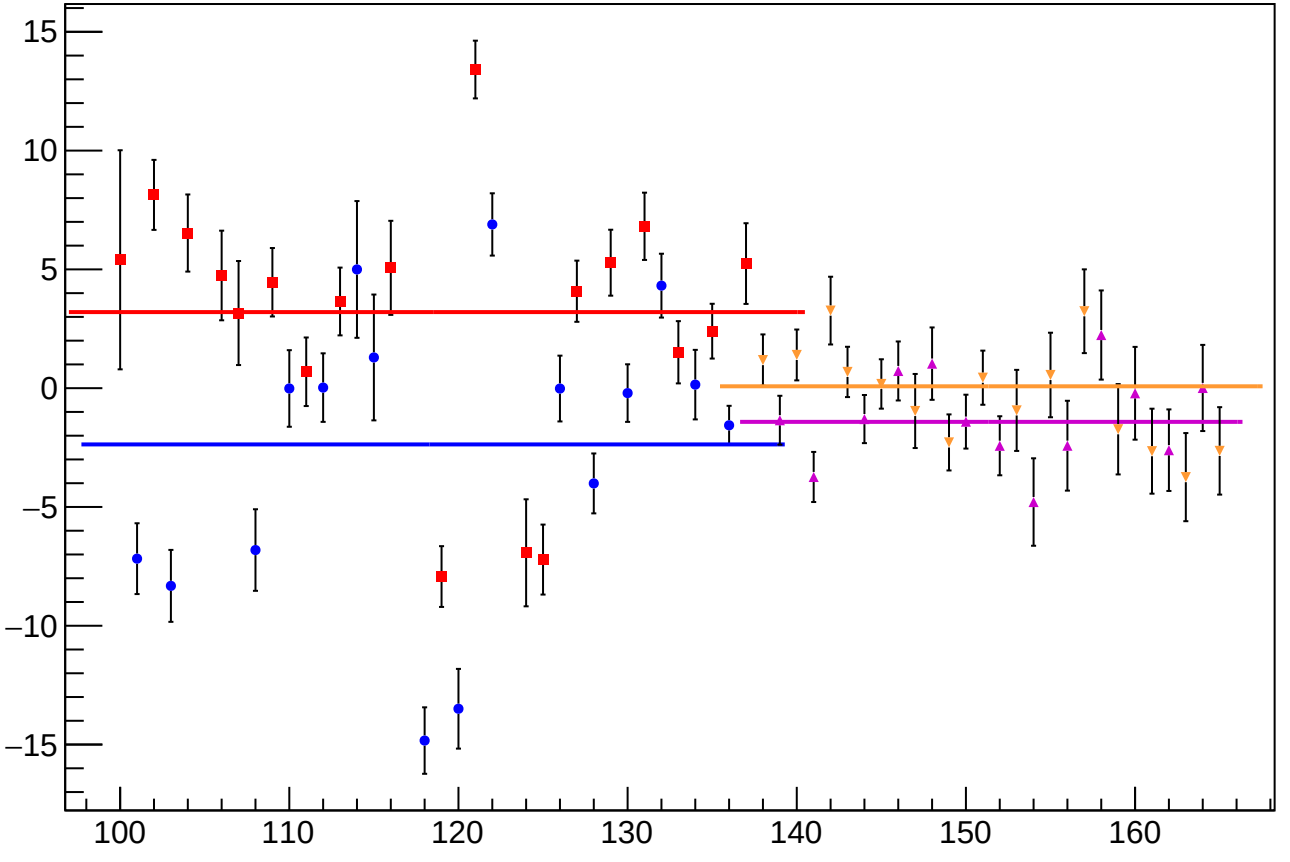
Left In: 6774.210+/-1.462 χ^2/NDF:234372.0/12

+ sign 7246.676+/-1.190 χ^2/NDF: 785067.0/30

All: 7175.886+/-0.841 χ^2/NDF: 1766170.3/62

- sign 7105.252+/-1.189 χ^2/NDF: 974037.8/31

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.079+/-0.351 χ^2/NDF:25.7/14

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

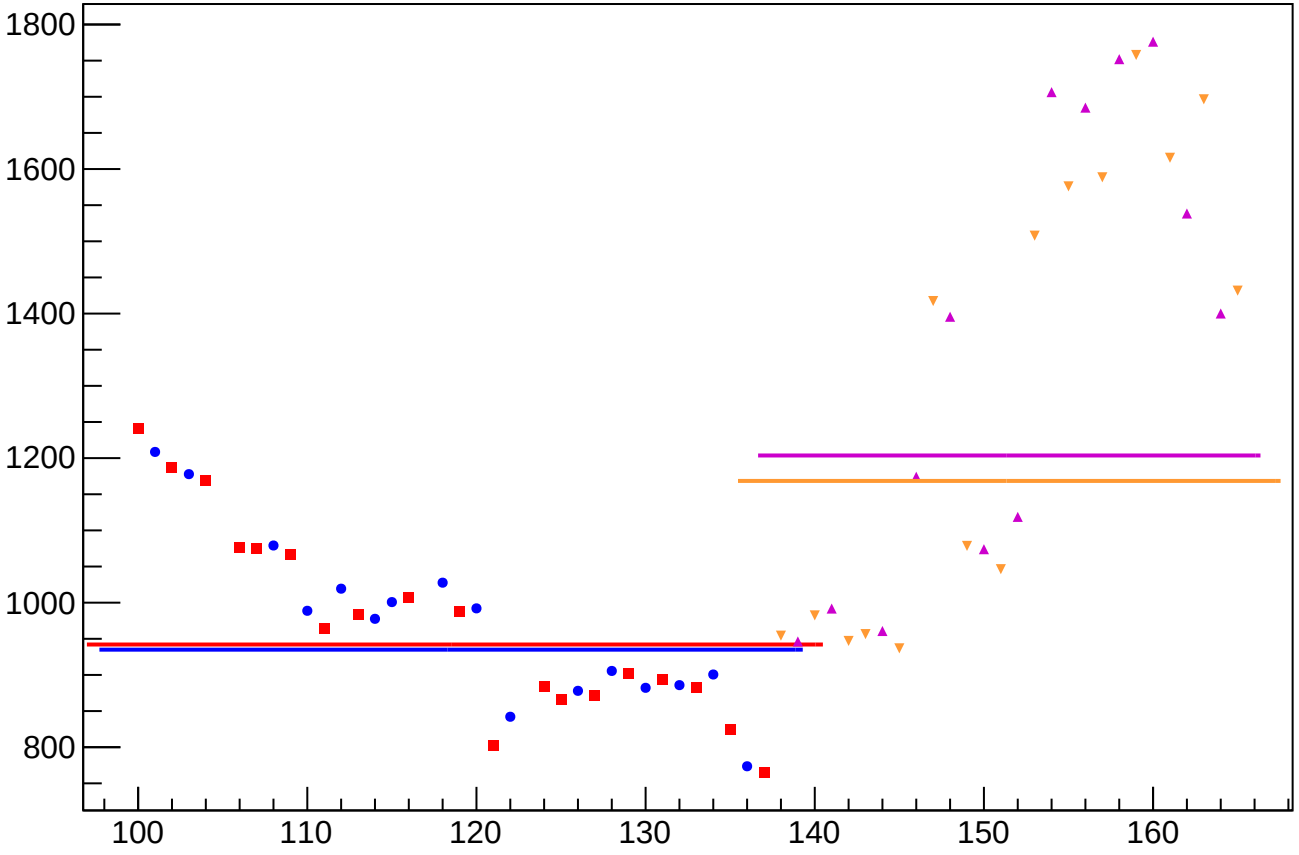
Left In: -1.418+/-0.376 χ^2/NDF:20.0/12

+ sign -1.148+/-0.248 χ^2/NDF: 305.6/30

All: -0.063+/-0.178 χ^2/NDF: 697.1/62

- sign 1.079+/-0.255 χ^2/NDF: 352.3/31

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1168.455+/-0.249 χ^2/NDF:1269851.1/14

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

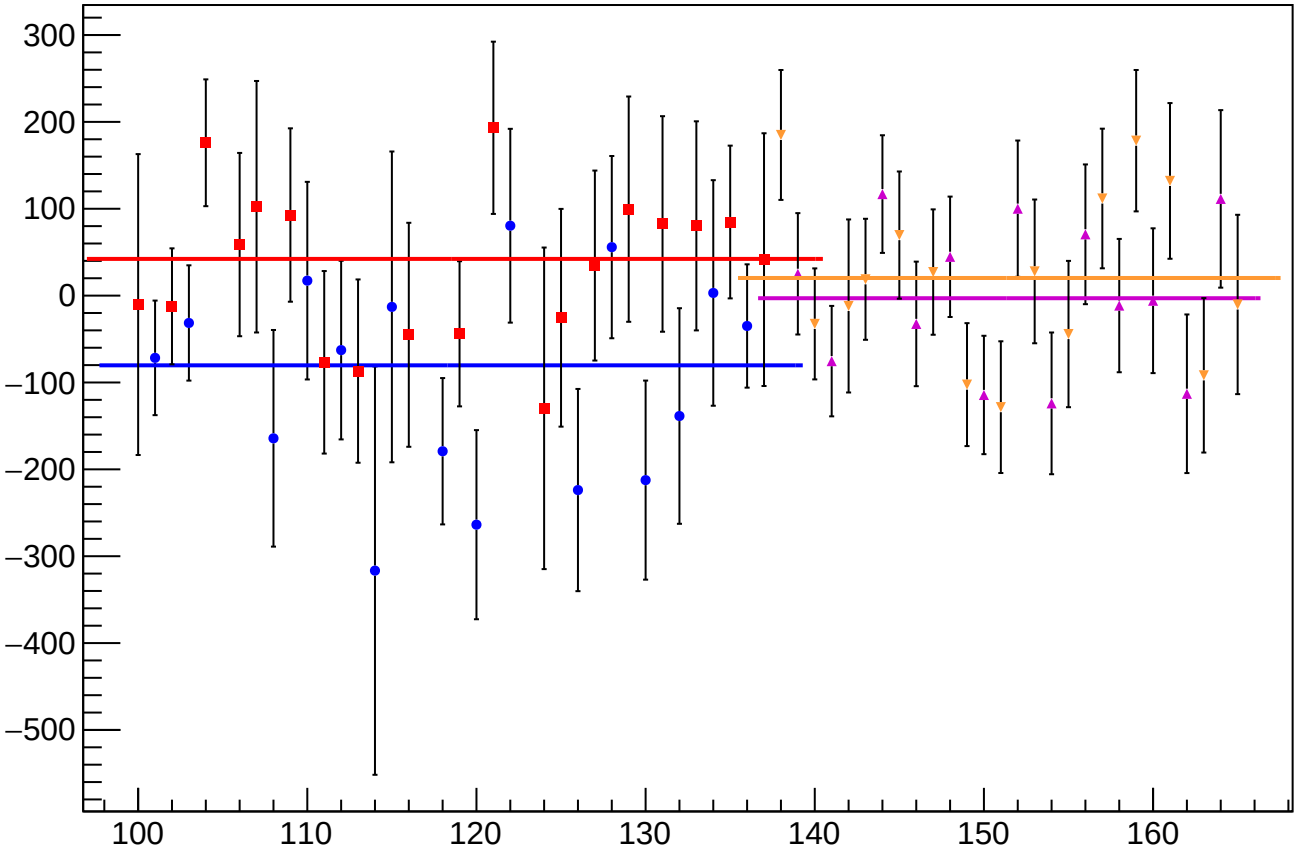
Left In: 1203.656+/-0.266 χ^2/NDF:1110266.2/12

+ sign 1051.371+/-0.175 χ^2/NDF: 1966766.6/30

All: 1056.693+/-0.126 χ^2/NDF: 3835496.3/62

- sign 1062.296+/-0.180 χ^2/NDF: 1866841.5/31

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 20.302+/-20.326 χ^2/NDF:21.9/14

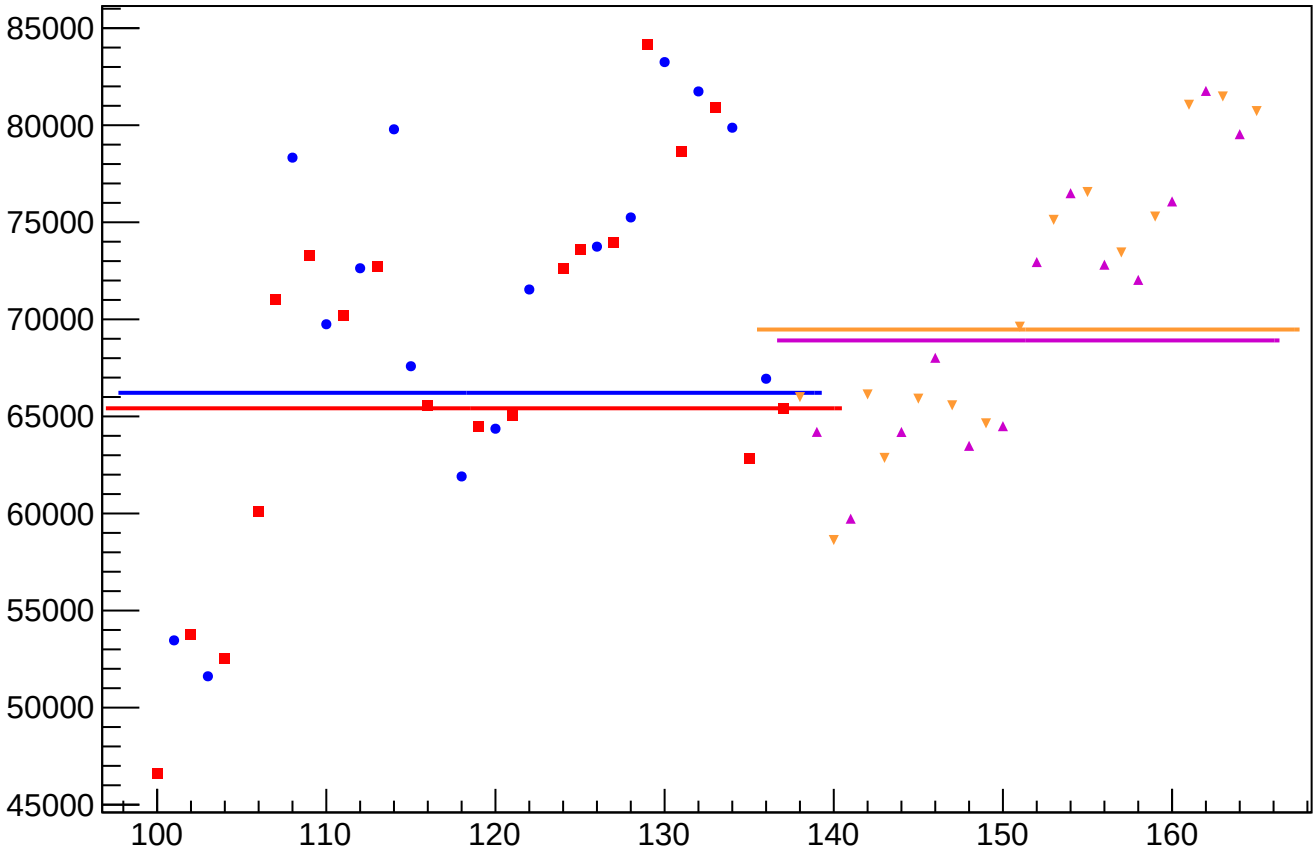
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -2.990+/-20.919 χ^2/NDF:15.4/12

+ sign -19.891+/-15.748 χ^2/NDF: 46.4/30

All: -1.810+/-11.158 χ^2/NDF: 79.5/62

- sign 16.414+/-15.810 χ^2/NDF: 30.4/31



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 69476.297+/-14.373 χ^2/NDF:234295.2/14

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

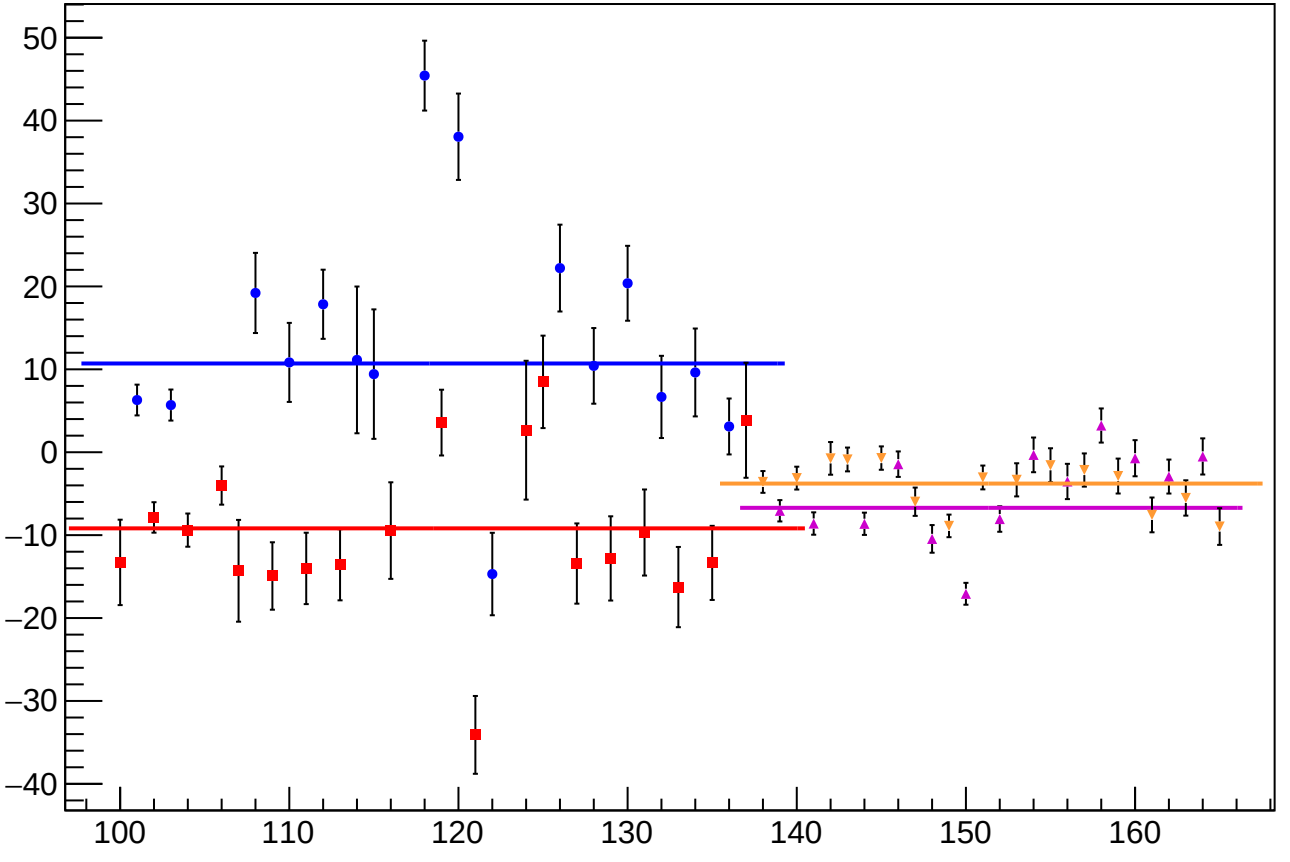
Left In: 68913.988+/-14.792 χ^2/NDF:188094.8/12

+ sign 68173.131+/-11.136 χ^2/NDF: 593239.1/30

All: 67795.647+/-7.890 χ^2/NDF: 1112141.4/6

- sign 67415.192+/-11.179 χ^2/NDF: 516595.0/31

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.780+/-0.433 χ^2/NDF:38.9/14

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

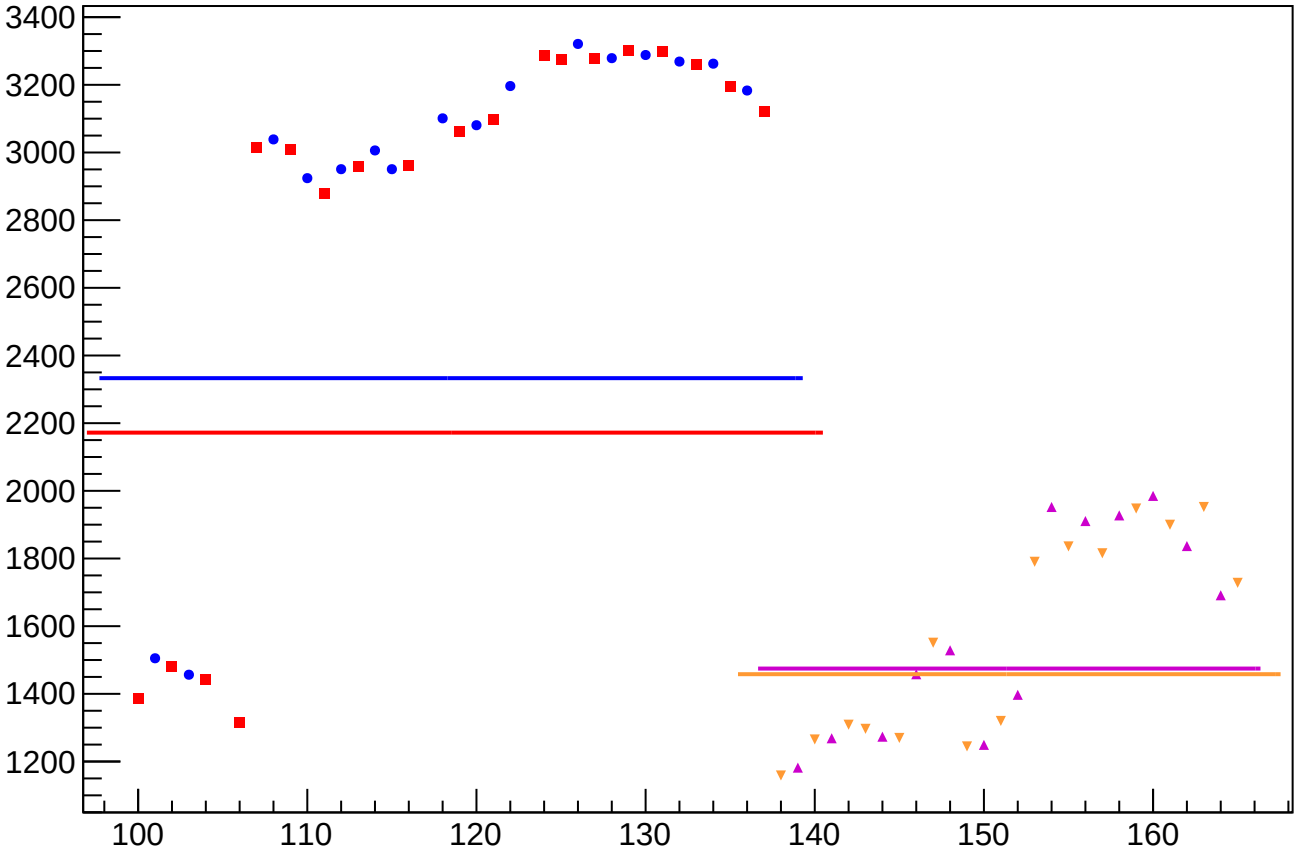
Left In: -6.707+/-0.455 χ^2/NDF:137.3/12

+ sign -1.156+/-0.392 χ^2/NDF: 397.2/30

All: -4.136+/-0.280 χ^2/NDF: 729.0/62

- sign -7.258+/-0.401 χ^2/NDF: 213.4/31

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1458.076+/-0.306 χ^2/NDF:810230.6/14

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

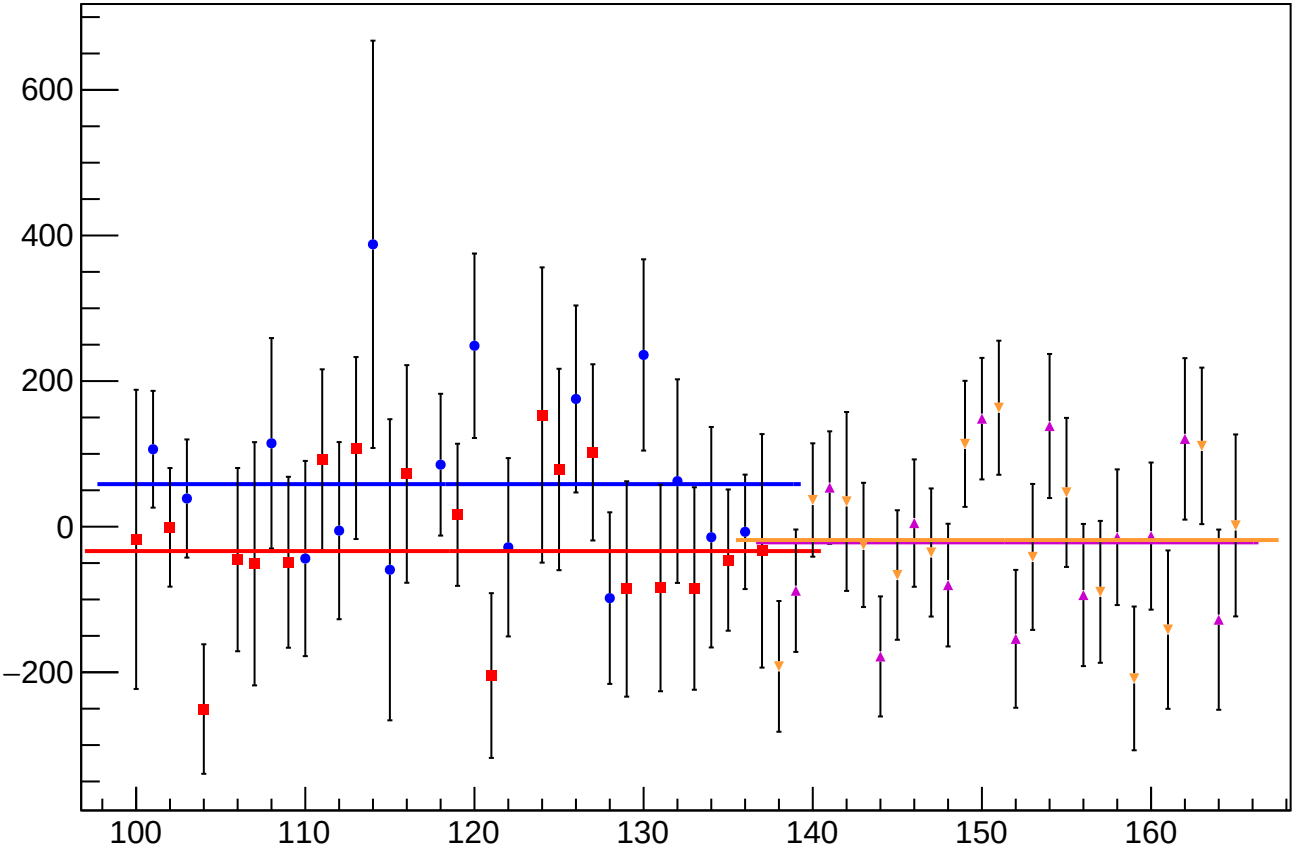
Left In: 1474.708+/-0.322 χ^2/NDF:737761.7/12

+ sign 1616.575+/-0.277 χ^2/NDF: 3941085.3/30

All: 1623.091+/-0.198 χ^2/NDF: 7710325.1/62

- sign 1629.918+/-0.284 χ^2/NDF: 3768107.3/31

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -18.376+/-24.717 χ^2/NDF:18.4/14

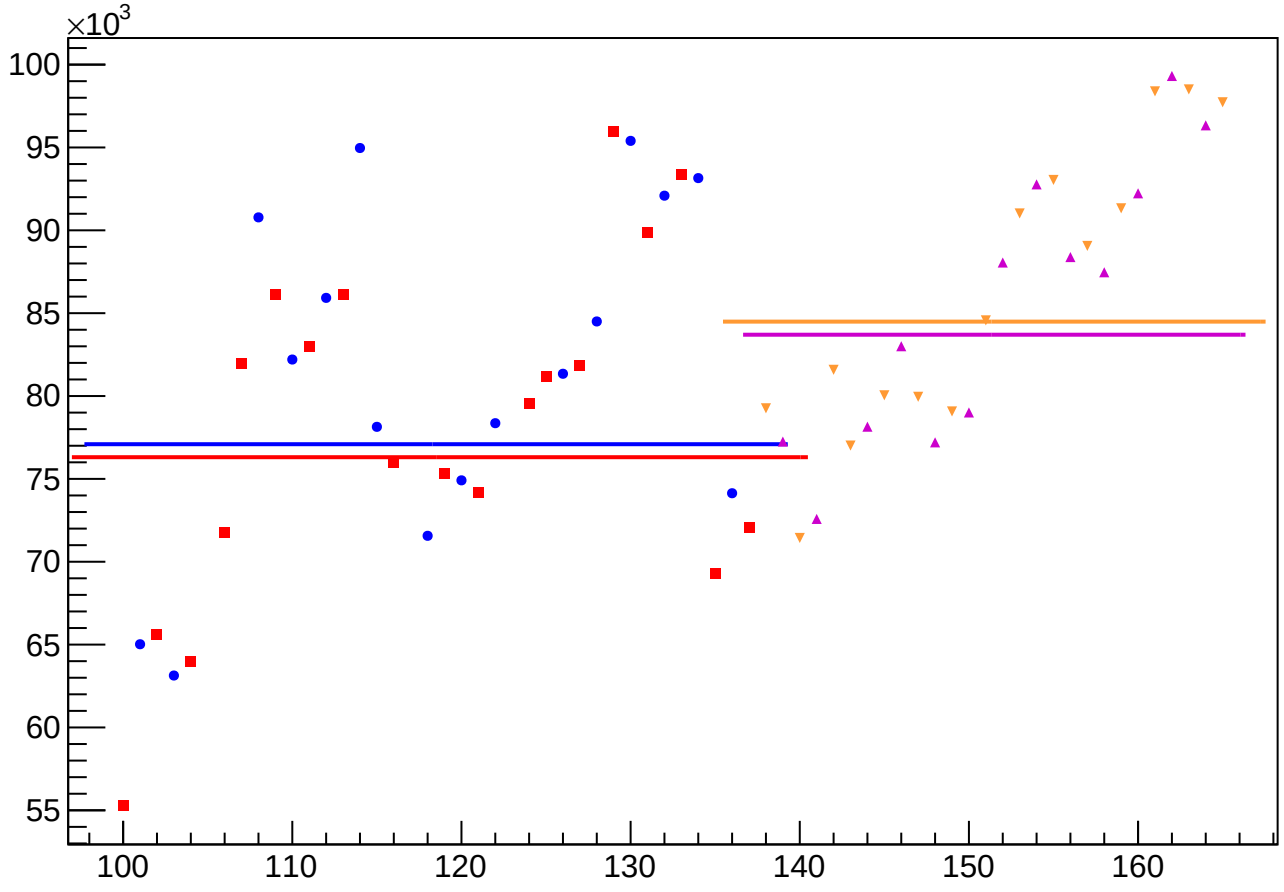
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -21.548+/-25.408 χ^2/NDF:17.4/12

+ sign 14.055+/-18.789 χ^2/NDF: 33.8/30

All: -6.374+/-13.307 χ^2/NDF: 68.4/62

- sign -26.932+/-18.848 χ^2/NDF: 32.2/31



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 84490.632+/-17.477 χ^2/NDF:223062.0/14

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

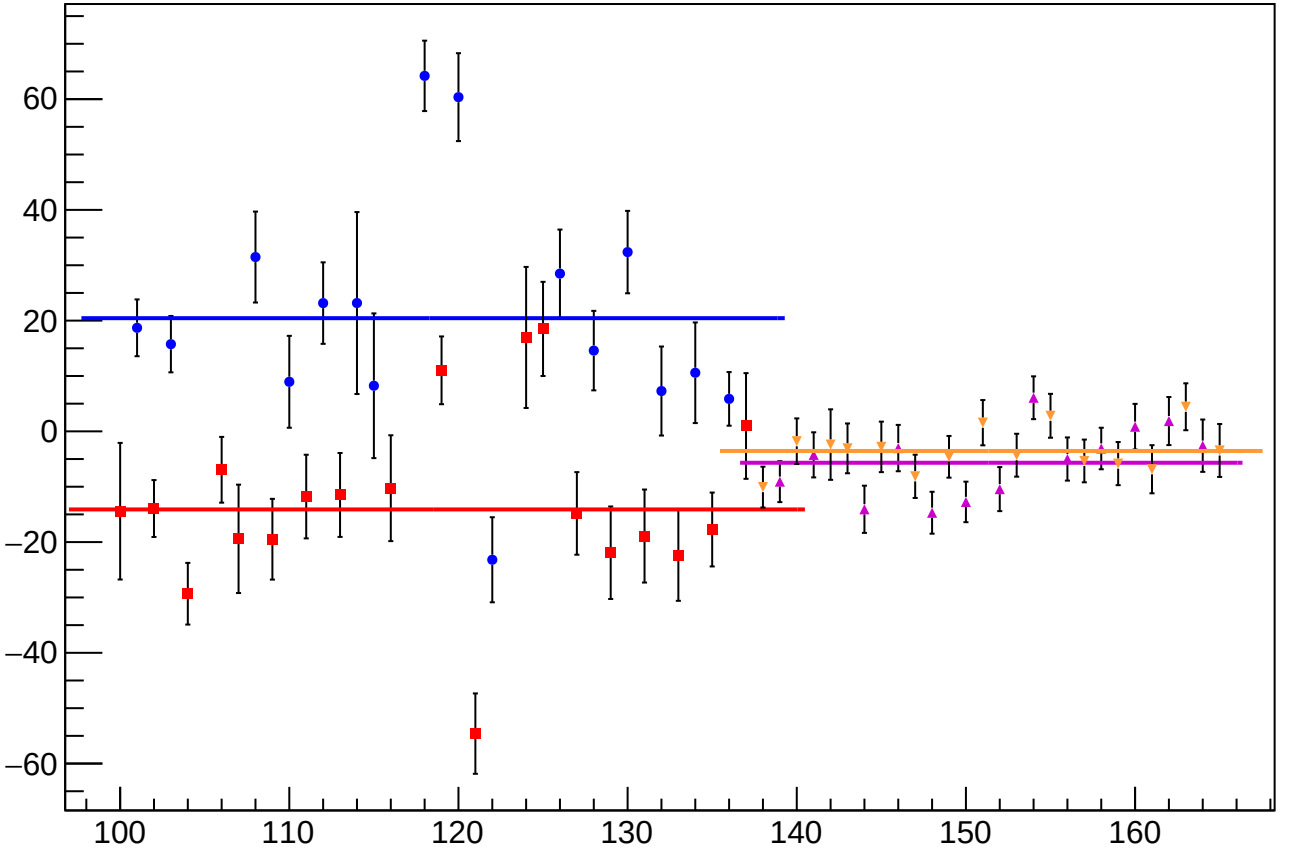
Left In: 83700.114+/-17.966 χ^2/NDF:184186.2/12

+ sign 81367.767+/-13.286 χ^2/NDF: 547234.2/30

All: 80873.470+/-9.409 χ^2/NDF: 1044747.9/6

- sign 80376.050+/-13.328 χ^2/NDF: 494736.6/31

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.544+/-1.075 χ^2/NDF:13.7/14

Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

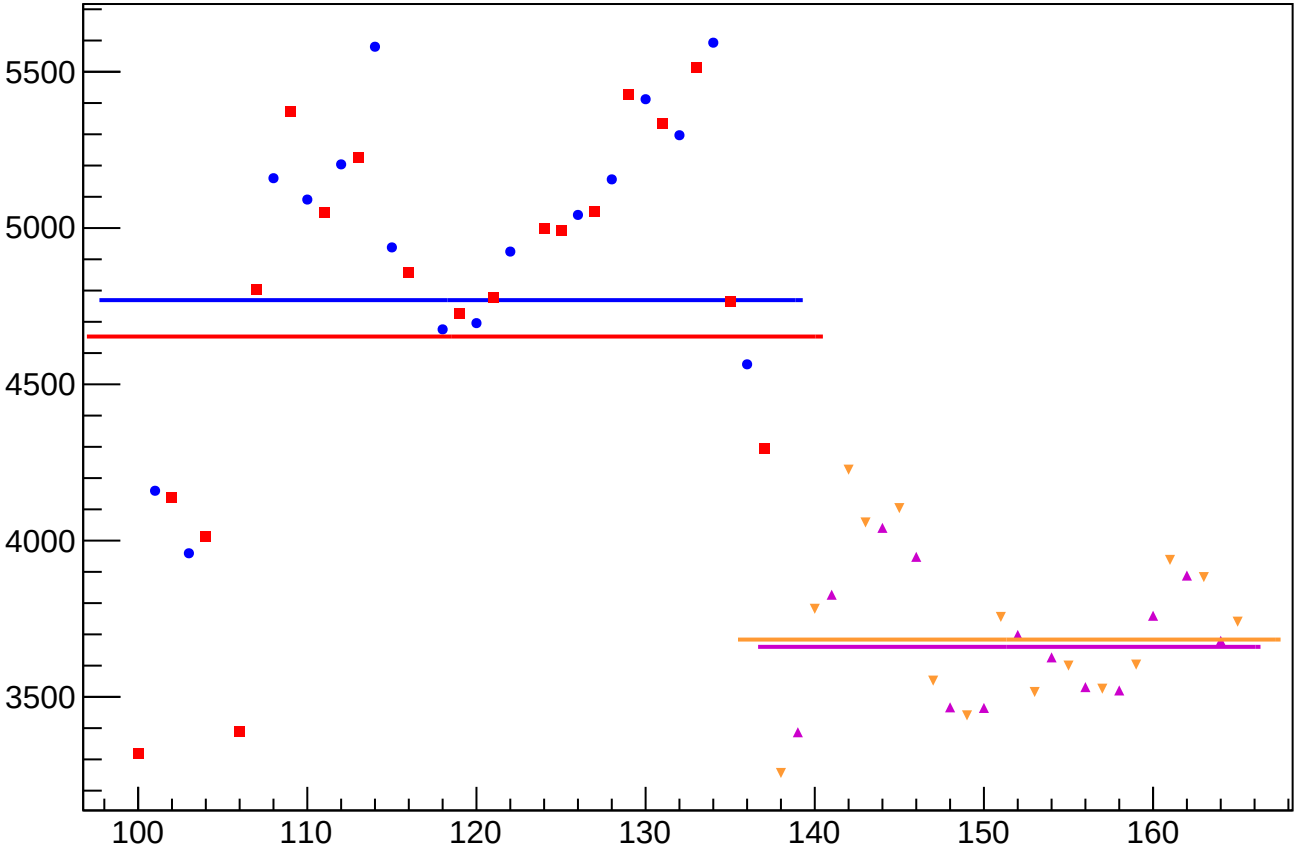
Left In: -5.672+/-1.109 χ^2/NDF:31.8/12

+ sign 2.853+/-0.920 χ^2/NDF: 274.4/30

All: -2.590+/-0.654 χ^2/NDF: 477.8/62

- sign -8.159+/-0.931 χ^2/NDF: 132.6/31

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3683.397+/-0.760 χ^2/NDF:104946.8/14

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

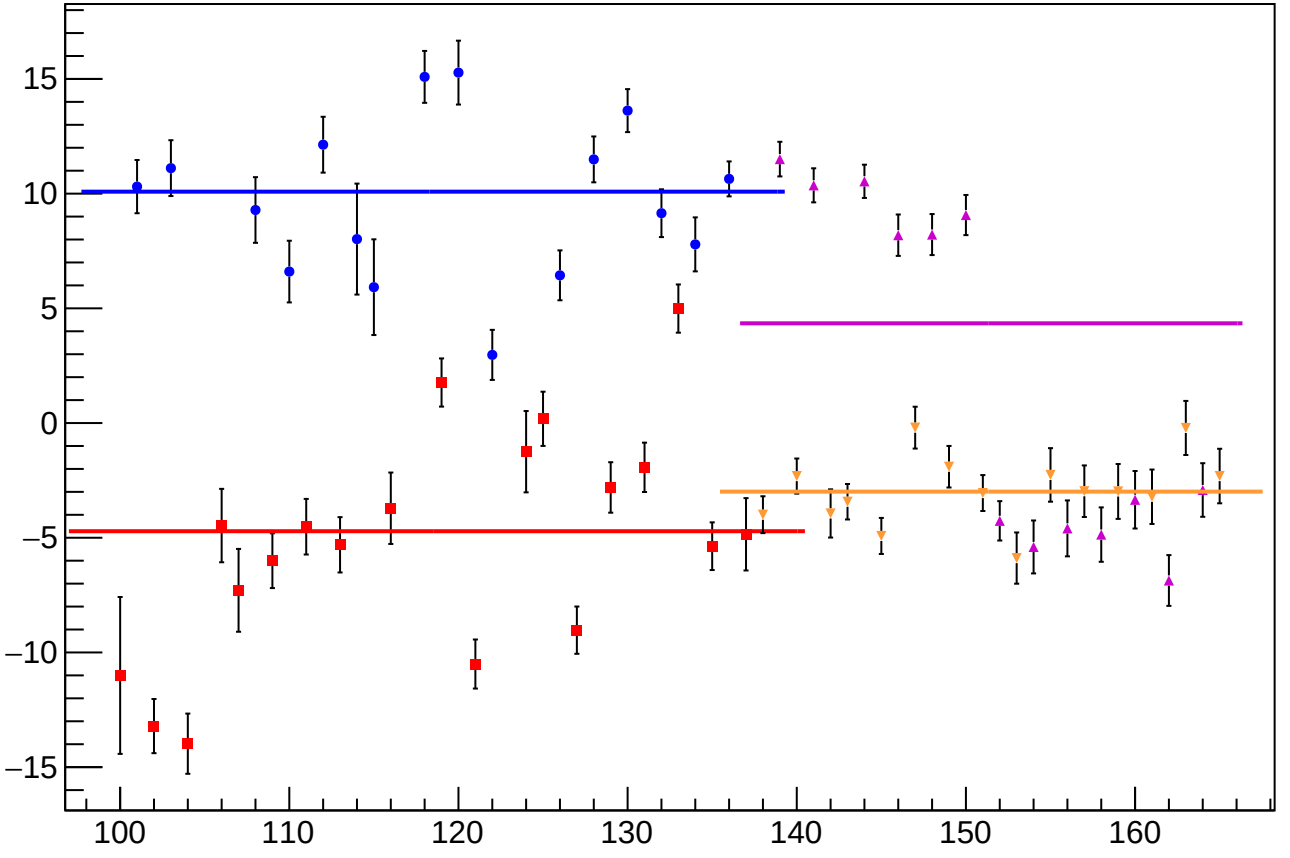
Left In: 3660.077+/-0.784 χ^2/NDF:62625.5/12

+ sign 3973.011+/-0.651 χ^2/NDF: 801335.9/30

All: 3963.127+/-0.463 χ^2/NDF: 1602855.8/62

- sign 3953.014+/-0.658 χ^2/NDF: 801053.1/31

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -2.989+/-0.245 χ^2/NDF:33.4/14

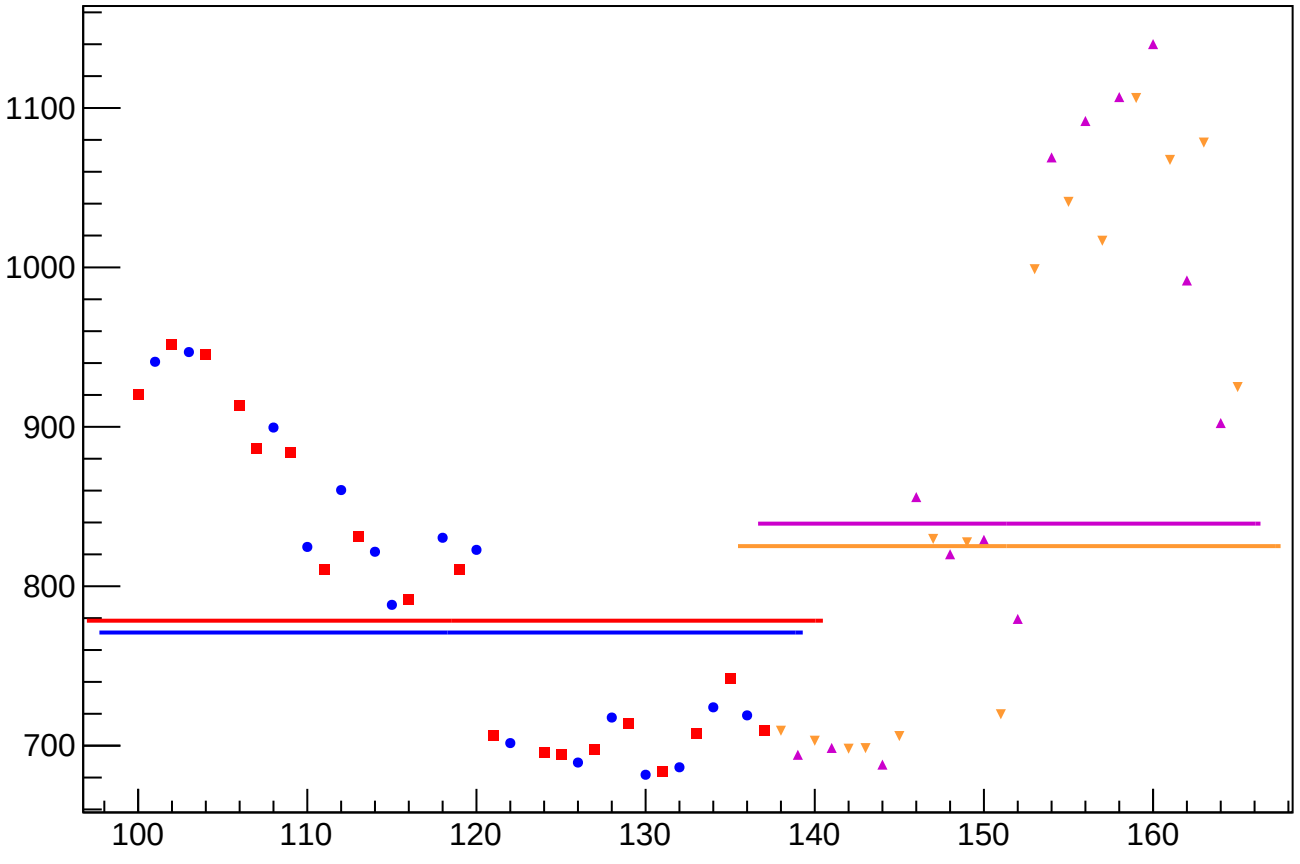
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 4.348+/-0.259 χ^2/NDF:759.5/12

+ sign 2.490+/-0.187 χ^2/NDF: 1351.6/30

All: 1.408+/-0.134 χ^2/NDF: 3043.2/62

- sign 0.265+/-0.192 χ^2/NDF: 1622.4/31



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 825.170+/-0.173 χ^2/NDF:732844.1/14

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

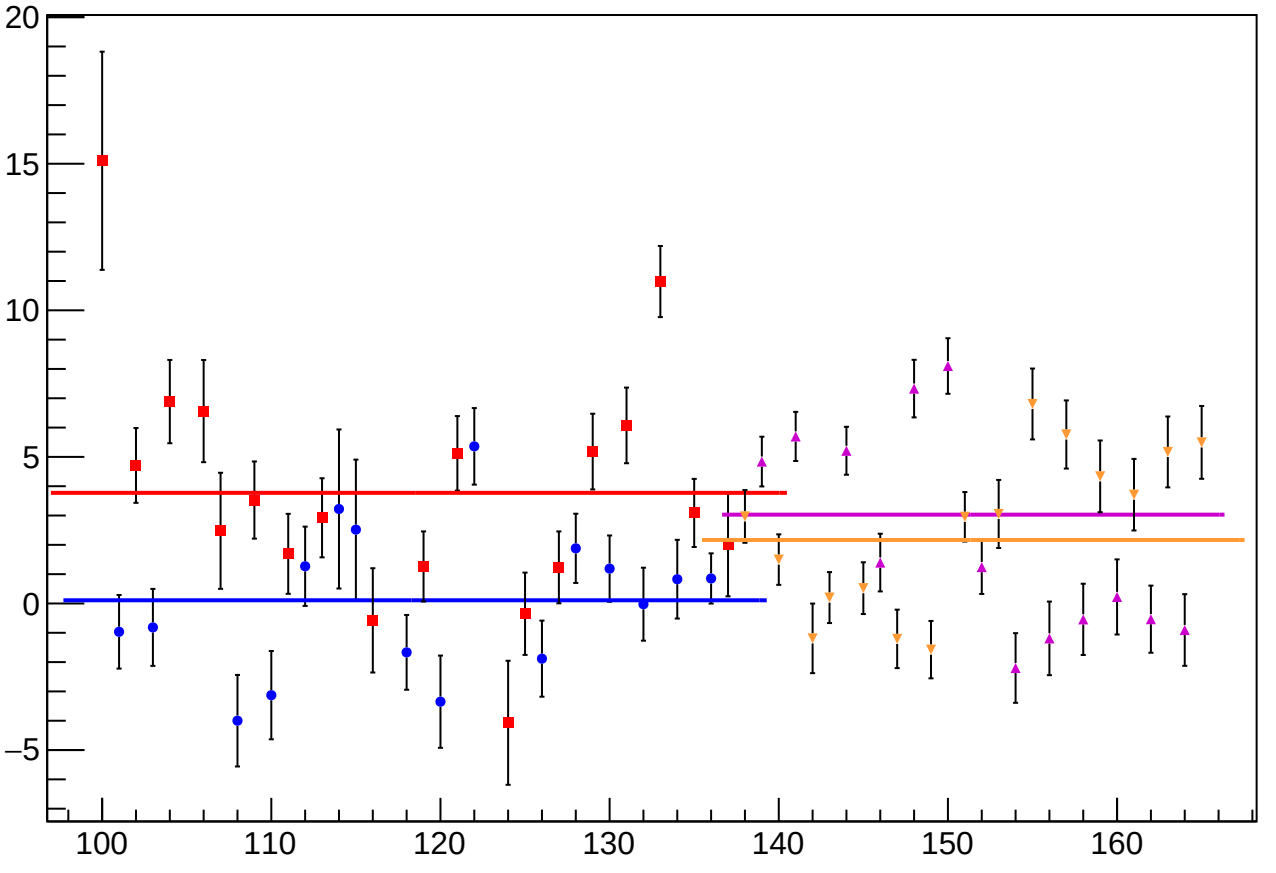
Left In: 839.275+/-0.183 χ^2/NDF:670144.5/12

+ sign 802.457+/-0.132 χ^2/NDF: 966793.1/30

All: 807.024+/-0.095 χ^2/NDF: 1885822.2/62

- sign 811.846+/-0.136 χ^2/NDF: 916568.2/31

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.166+/-0.265 χ^2/NDF:87.9/14

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

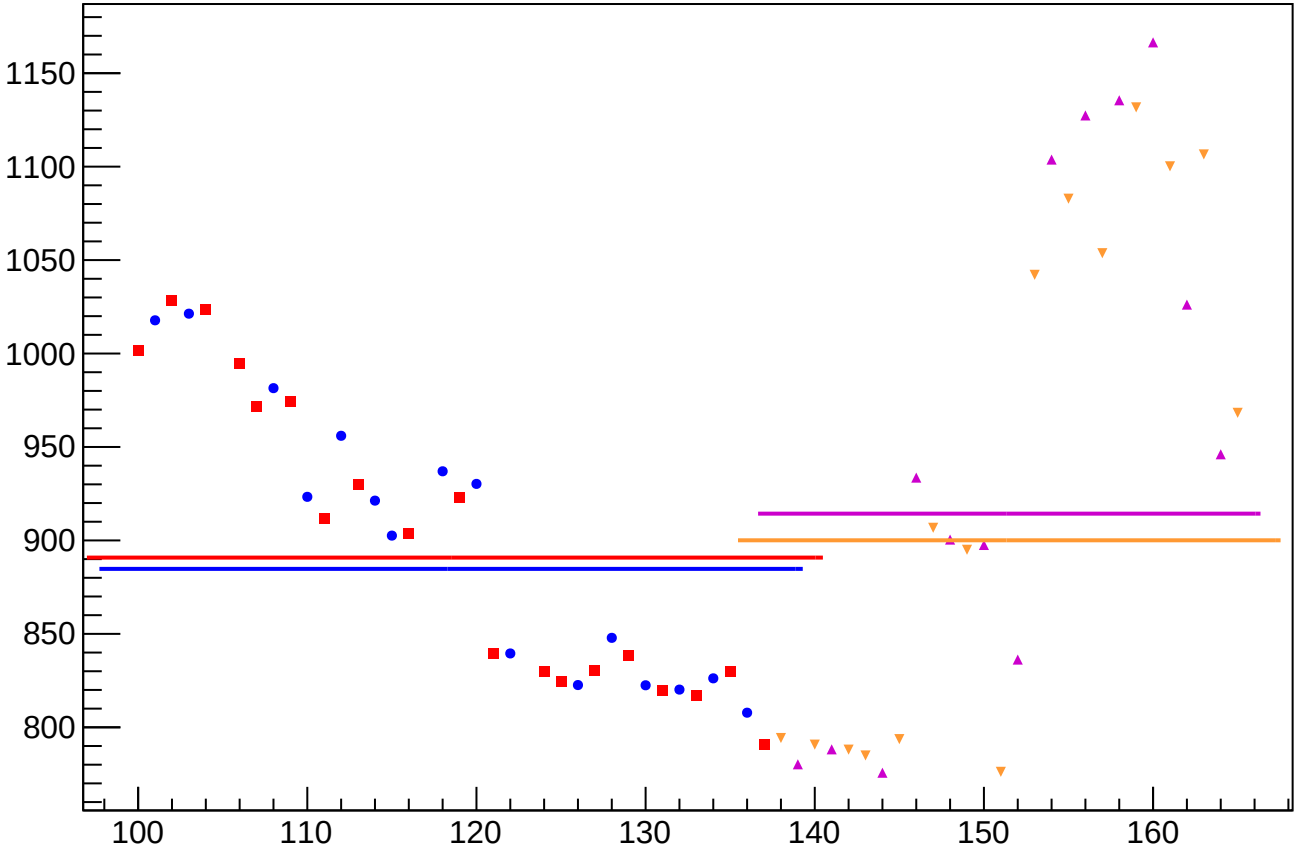
Left In: 3.029+/-0.280 χ^2/NDF:140.4/12

+ sign 1.358+/-0.207 χ^2/NDF: 156.9/30

All: 2.325+/-0.148 χ^2/NDF: 444.8/62

- sign 3.345+/-0.212 χ^2/NDF: 242.9/31

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 900.065+/-0.188 χ^2/NDF:485489.0/14

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

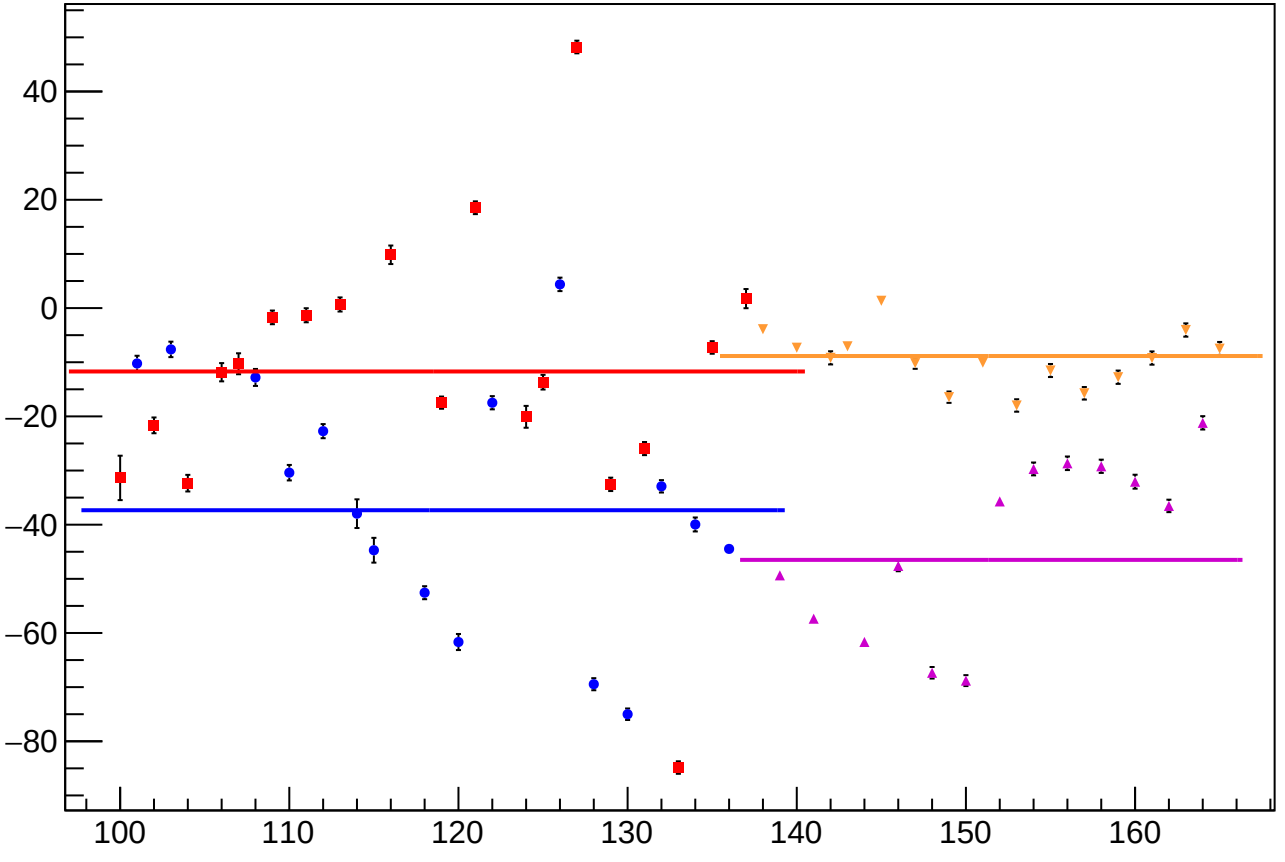
Left In: 914.327+/-0.198 χ^2/NDF:441851.2/12

+ sign 894.056+/-0.146 χ^2/NDF: 592591.6/30

All: 899.062+/-0.105 χ^2/NDF: 1150599.0/62

- sign 904.345+/-0.150 χ^2/NDF: 555598.8/31

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.851+/-0.269 χ^2/NDF:349.8/14

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

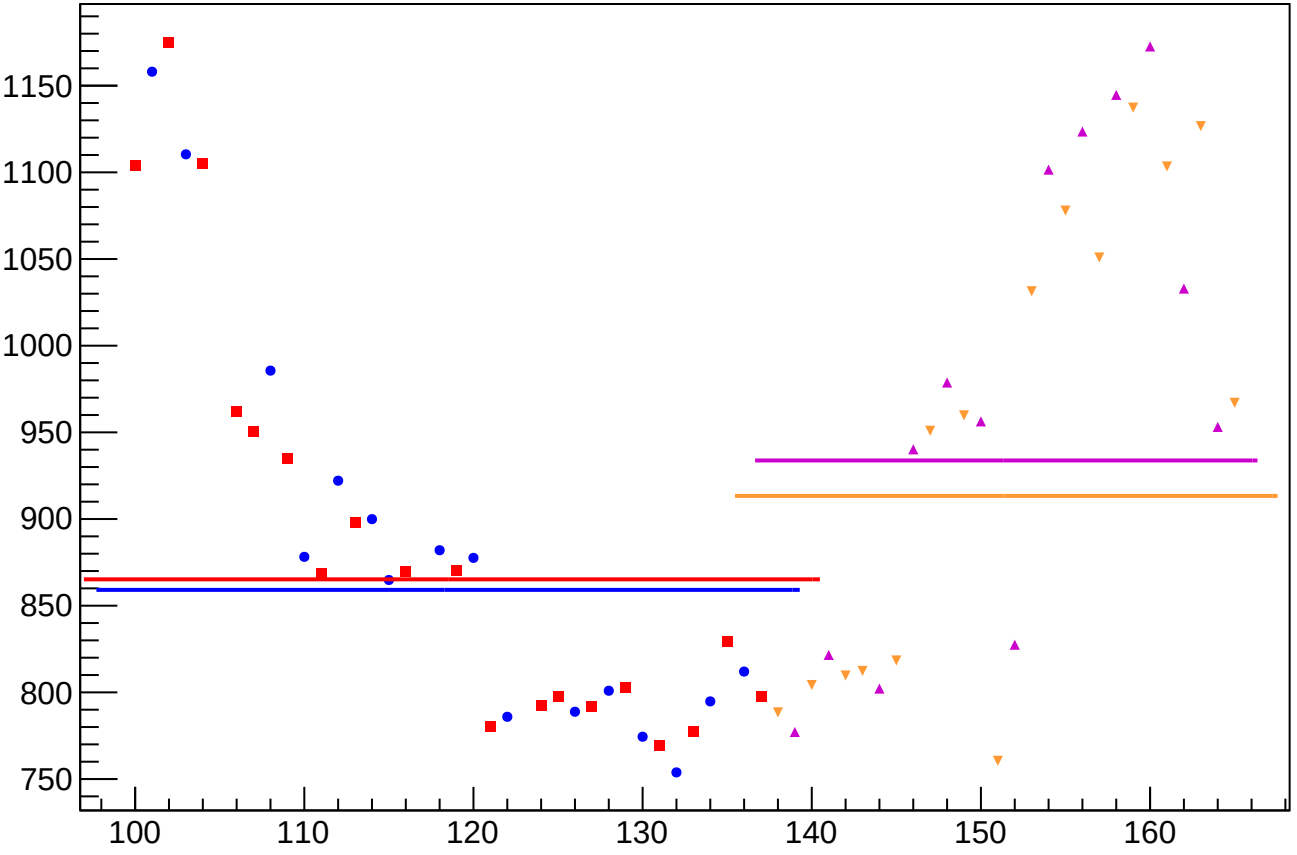
Left In: -46.499+/-0.286 χ^2/NDF:2722.9/12

+ sign -20.587+/-0.207 χ^2/NDF: 10140.8/30

All: -25.613+/-0.148 χ^2/NDF: 29168.2/62

- sign -30.939+/-0.213 χ^2/NDF: 17807.6/31

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 913.337+/-0.190 χ^2/NDF:471125.3/14

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

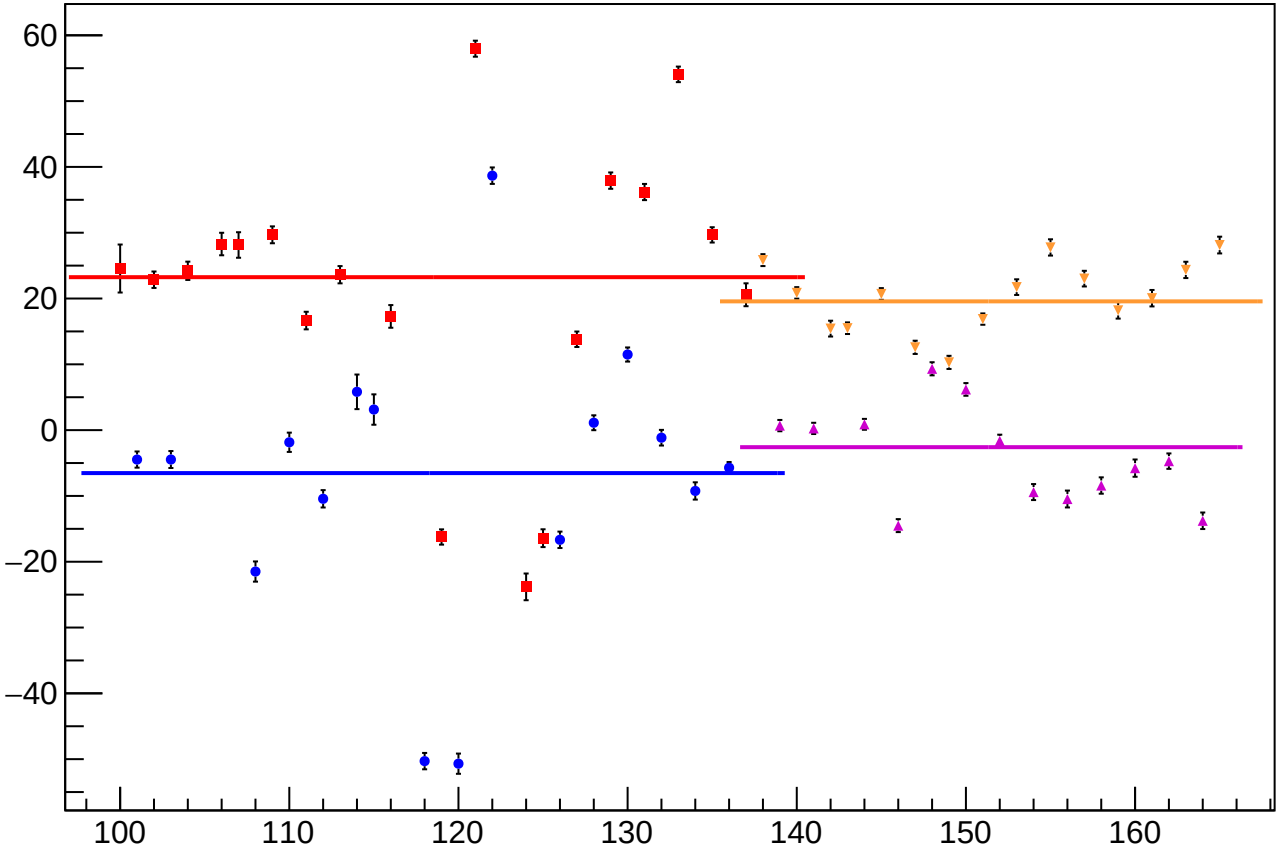
Left In: 933.783+/-0.202 χ^2/NDF:411411.3/12

+ sign 890.997+/-0.146 χ^2/NDF: 733218.1/30

All: 896.882+/-0.105 χ^2/NDF: 1423074.3/62

- sign 903.117+/-0.150 χ^2/NDF: 686512.1/31

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 19.567+/-0.270 χ^2/NDF:345.8/14

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

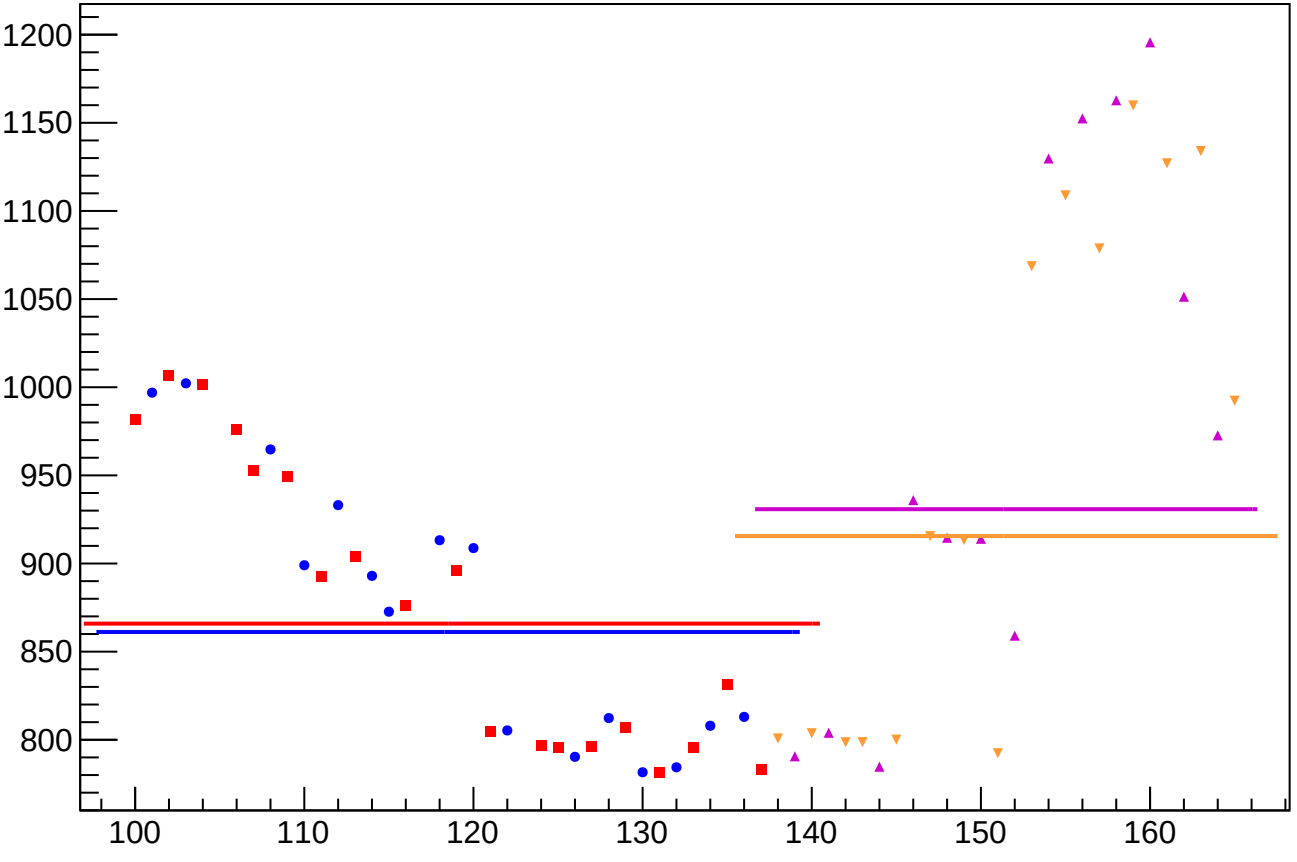
Left In: -2.590+/-0.285 χ^2/NDF:595.4/12

\+ sign 8.754+/-0.207 χ^2/NDF: 8157.7/30

All: 8.857+/-0.148 χ^2/NDF: 16893.4/62

\- sign 8.966+/-0.212 χ^2/NDF: 8735.3/31

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 915.564+/-0.191 χ^2/NDF:515265.1/14

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

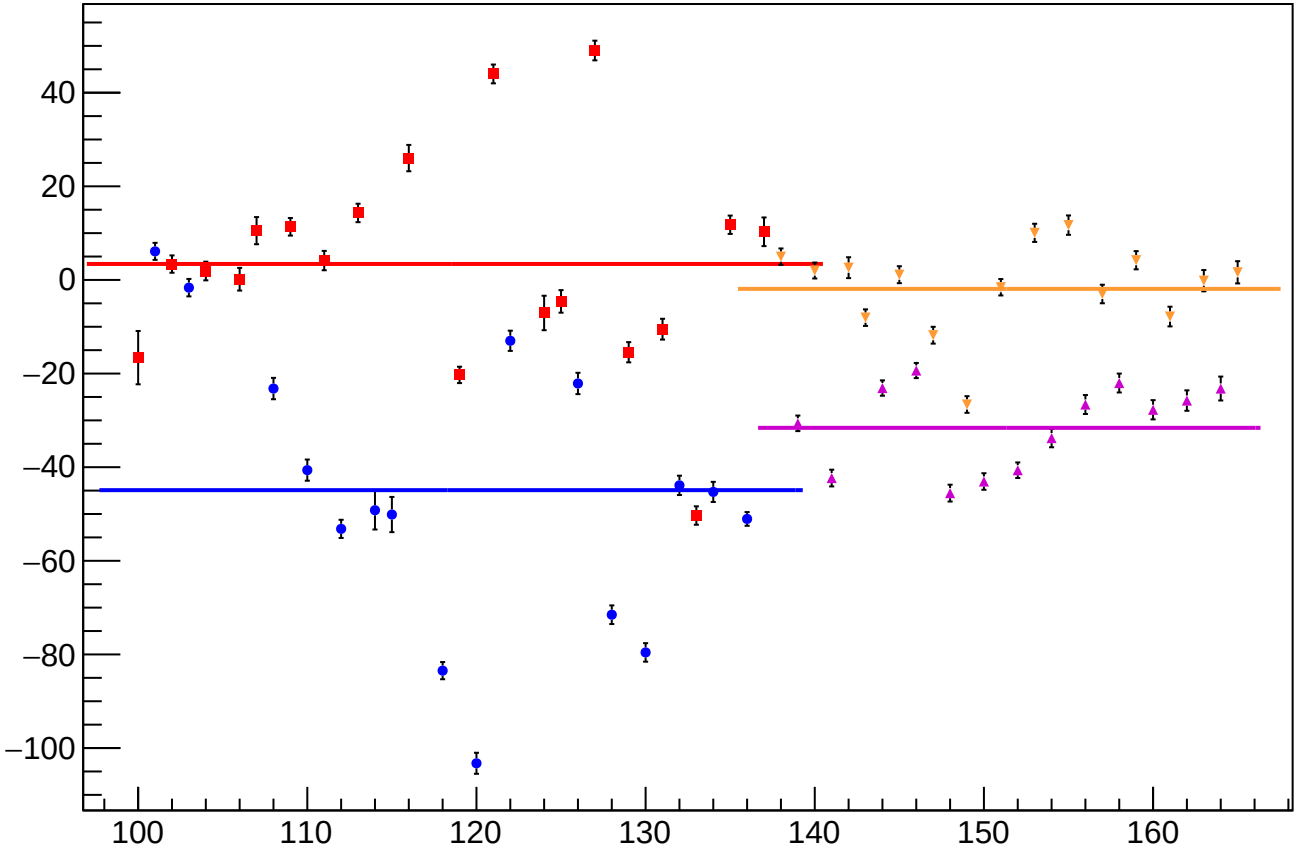
Left In: 930.817+/-0.202 χ^2/NDF:460066.0/12

\+ sign 893.026+/-0.146 χ^2/NDF: 662388.5/30

All: 897.293+/-0.105 χ^2/NDF: 1288959.1/62

\- sign 901.781+/-0.150 χ^2/NDF: 624822.6/31

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.907+/-0.496 χ^2/NDF:365.4/14

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

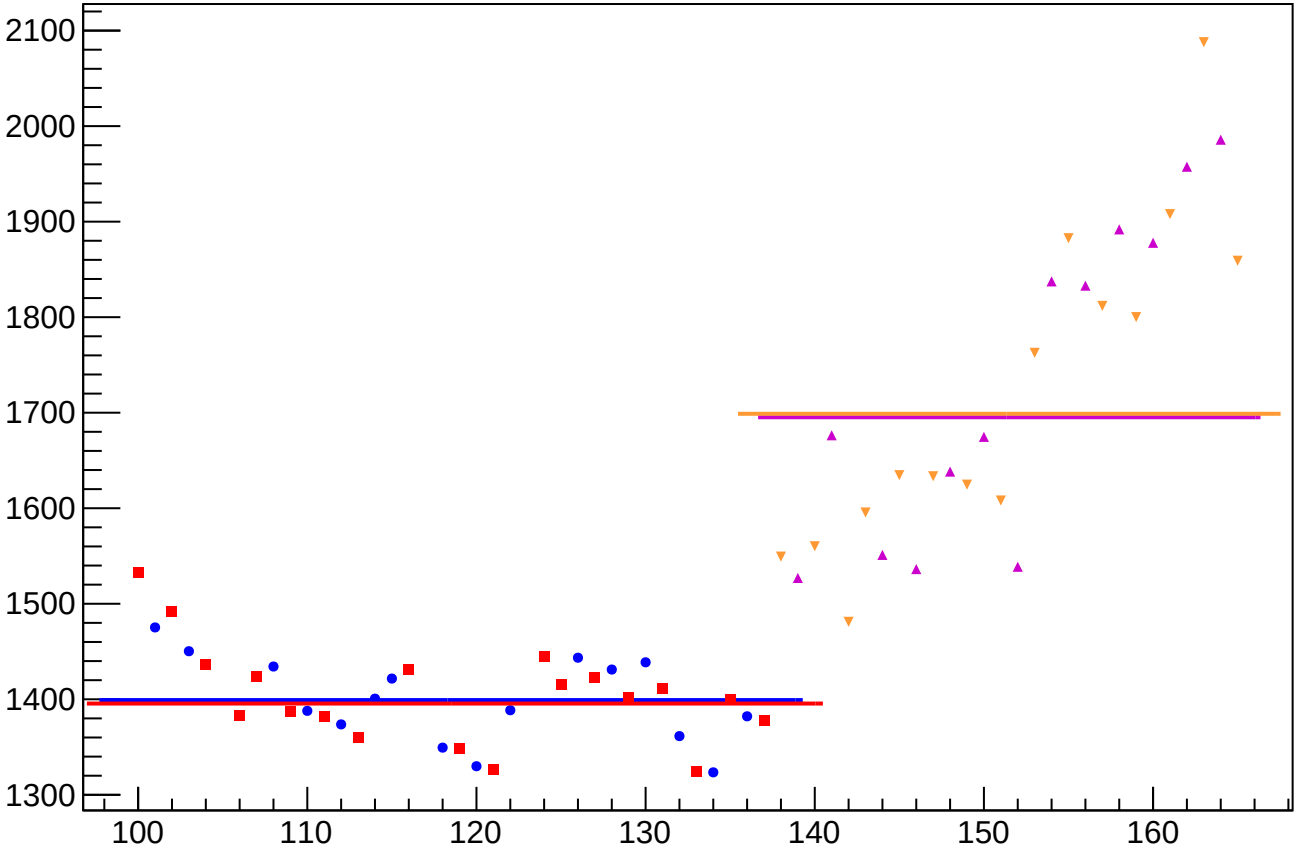
Left In: -31.593+/-0.515 χ^2/NDF:303.5/12

\+ sign -22.402+/-0.359 χ^2/NDF: 7322.7/30

All: -18.183+/-0.255 χ^2/NDF: 12344.2/62

\- sign -13.890+/-0.362 χ^2/NDF: 4742.8/31

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1698.870+/-0.351 χ^2/NDF:184879.7/14

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

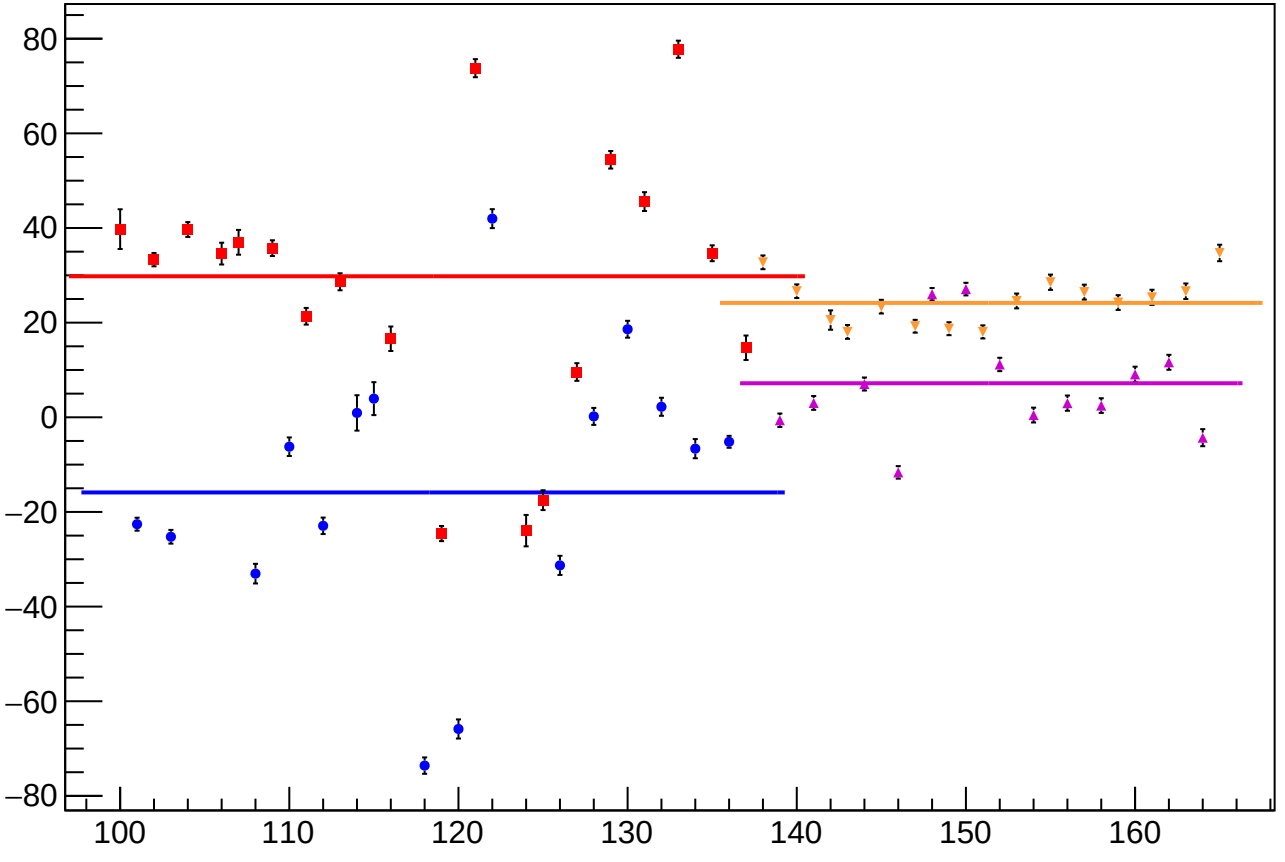
Left In: 1695.214+/-0.364 χ^2/NDF:184885.1/12

+ sign 1556.015+/-0.254 χ^2/NDF: 547535.3/30

All: 1549.902+/-0.180 χ^2/NDF: 1092309.1/62

- sign 1543.683+/-0.256 χ^2/NDF: 543603.6/31

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 24.172+/-0.395 χ^2/NDF:156.2/14

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

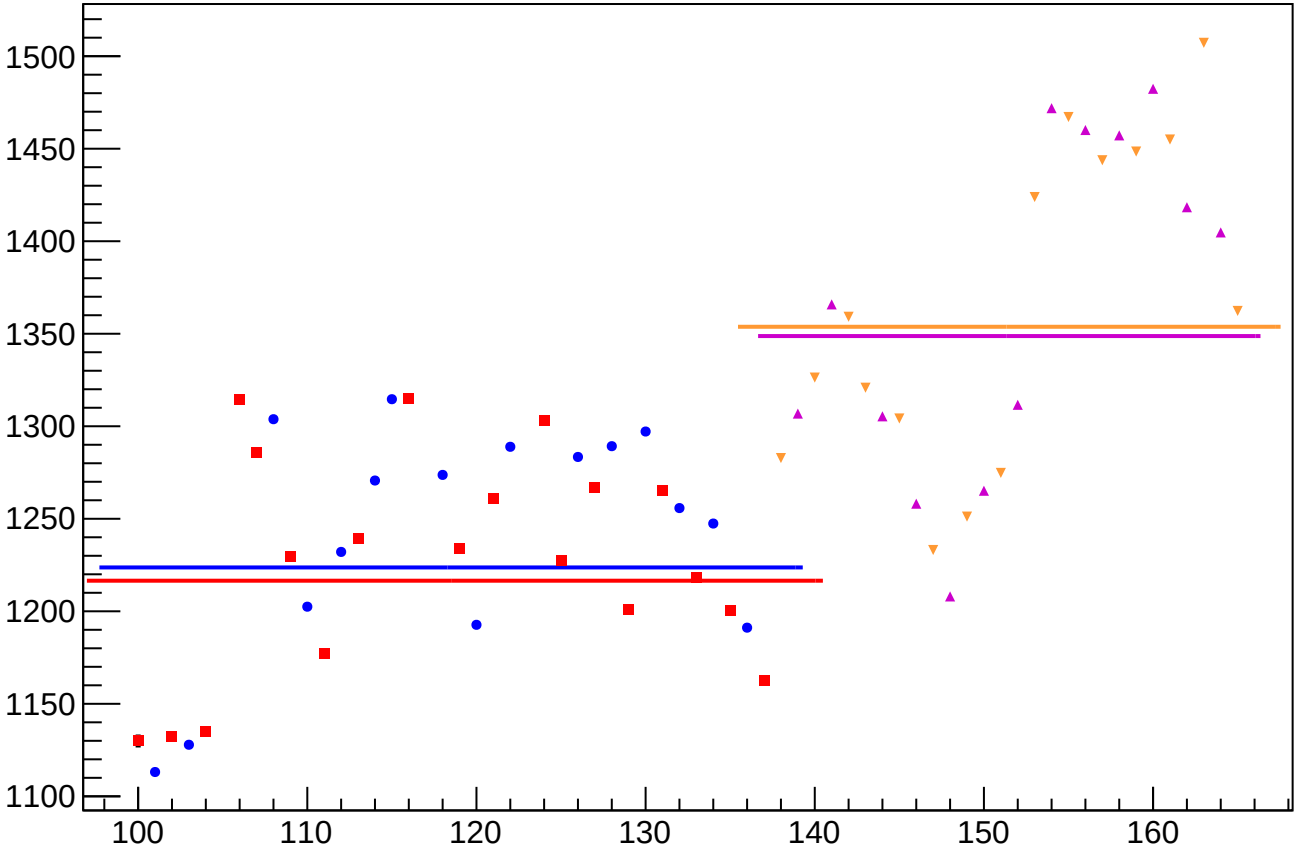
Left In: 7.192+/-0.409 χ^2/NDF:758.5/12

+ sign 6.989+/-0.298 χ^2/NDF: 8053.2/30

All: 12.224+/-0.212 χ^2/NDF: 14517.4/62

- sign 17.548+/-0.301 χ^2/NDF: 5842.6/31

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1353.770+/-0.279 χ^2/NDF:95579.8/14

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

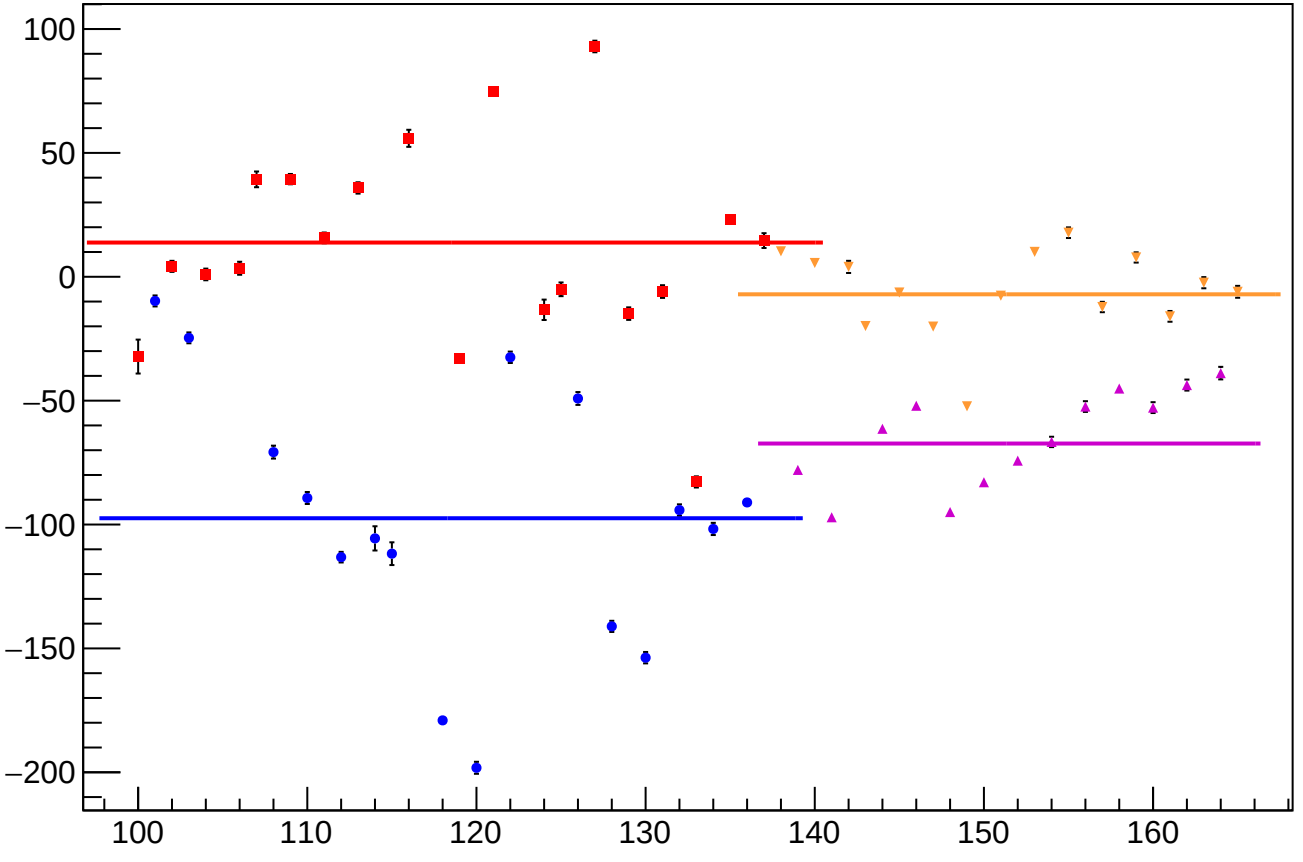
Left In: 1348.748+/-0.289 χ^2/NDF:96367.6/12

+ sign 1297.967+/-0.211 χ^2/NDF: 229681.8/30

All: 1293.118+/-0.150 χ^2/NDF: 452453.1/62

- sign 1288.185+/-0.213 χ^2/NDF: 221704.3/31

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.074+/-0.510 χ^2/NDF:1189.5/14

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

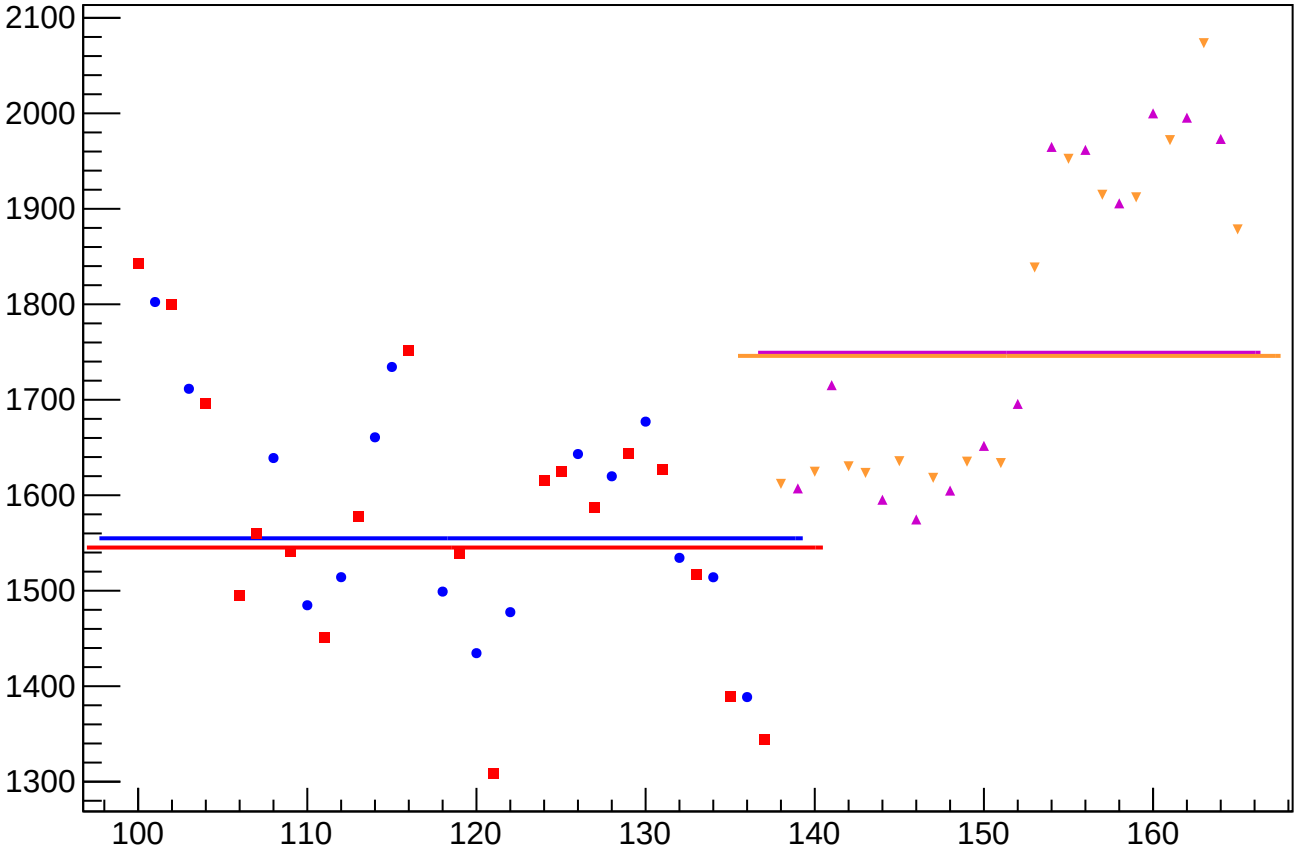
Left In: -67.305+/-0.531 χ^2/NDF:1190.9/12

+ sign -46.536+/-0.383 χ^2/NDF: 23197.5/30

All: -38.014+/-0.272 χ^2/NDF: 41673.1/62

- sign -29.297+/-0.387 χ^2/NDF: 17473.3/31

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1745.969+/-0.361 χ^2/NDF:185495.4/14

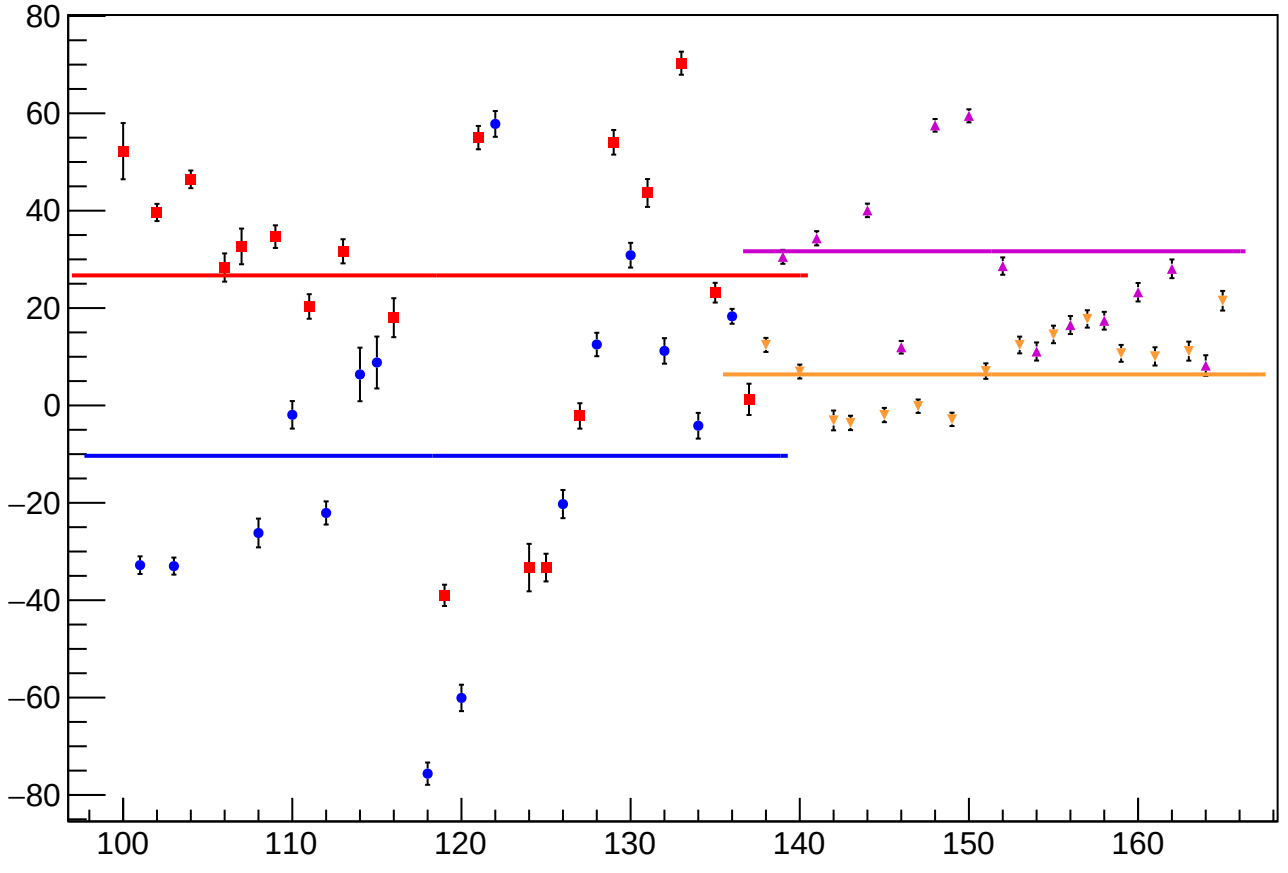
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1749.253+/-0.376 χ^2/NDF:192938.4/12

+ sign 1662.548+/-0.271 χ^2/NDF: 395928.2/30

All: 1658.157+/-0.193 χ^2/NDF: 836450.0/62

- sign 1653.666+/-0.274 χ^2/NDF: 439989.7/31



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 6.373+/-0.420 χ^2/NDF:331.4/14

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

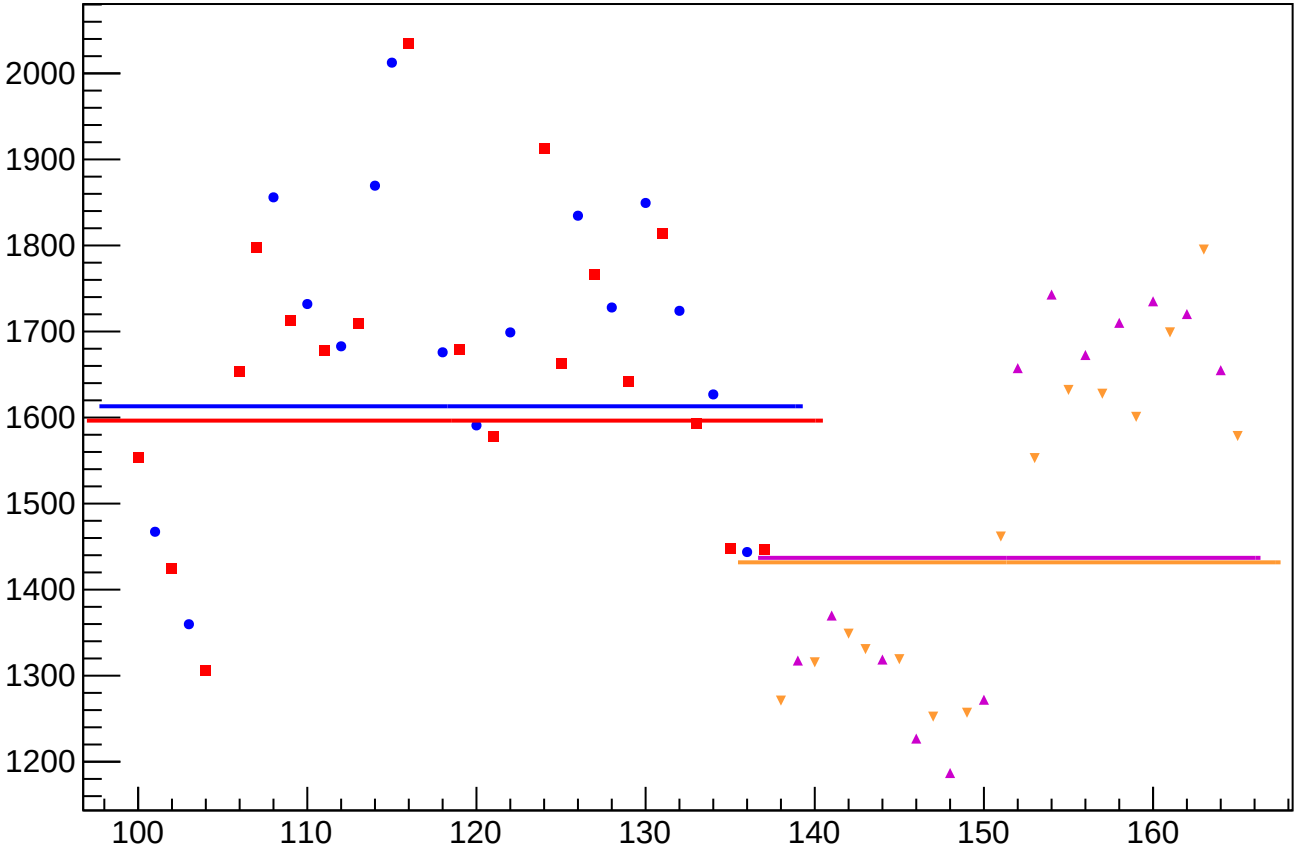
Left In: 31.664+/-0.439 χ^2/NDF:1497.0/12

+ sign 0.914+/-0.345 χ^2/NDF: 3855.9/30

All: 15.109+/-0.246 χ^2/NDF: 11401.5/62

- sign 29.883+/-0.352 χ^2/NDF: 4083.5/31

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1431.733+/-0.297 χ^2/NDF:327658.7/14

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

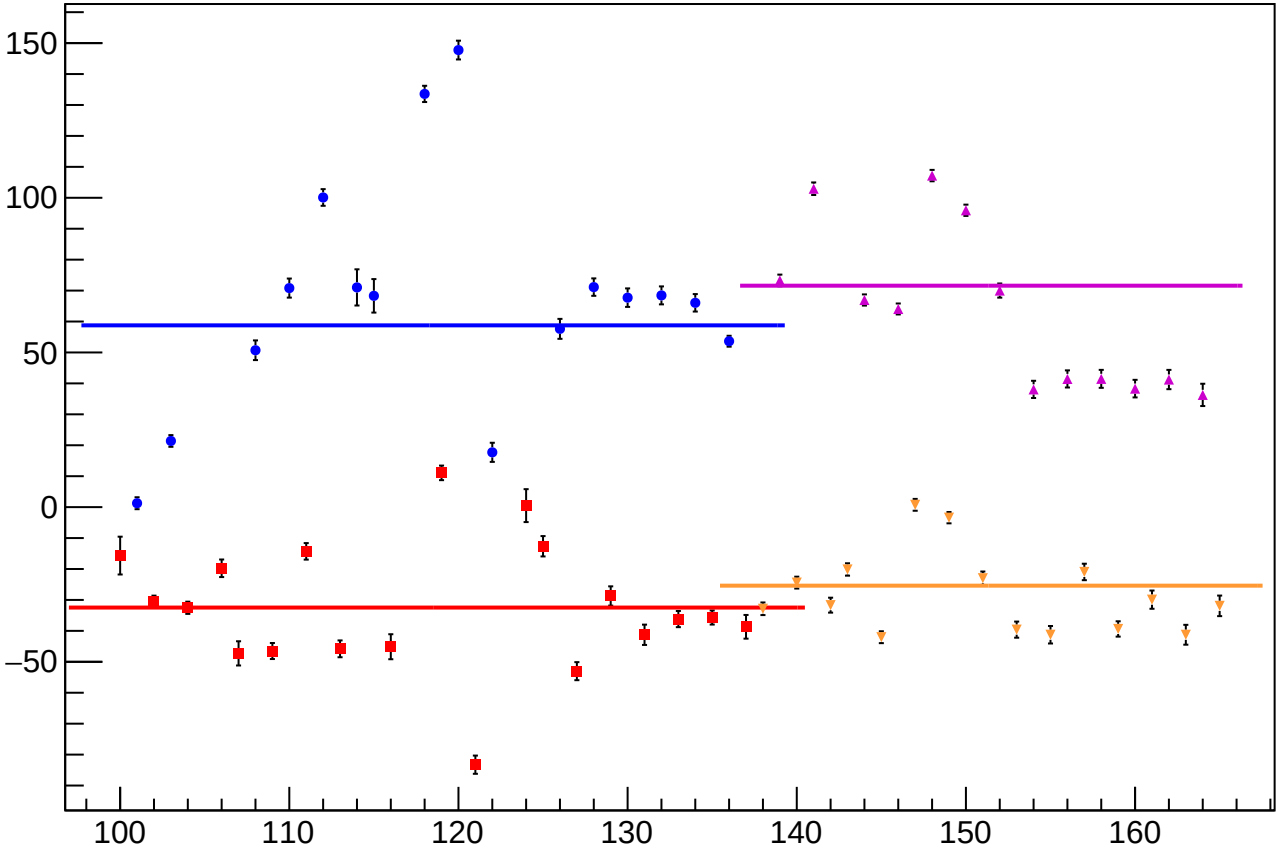
Left In: 1436.948+/-0.311 χ^2/NDF:465424.6/12

+ sign 1490.947+/-0.244 χ^2/NDF: 604164.2/30

All: 1492.585+/-0.174 χ^2/NDF: 1325171.1/62

- sign 1494.290+/-0.249 χ^2/NDF: 720914.6/31

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -25.388+/-0.591 χ^2/NDF:560.8/14

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

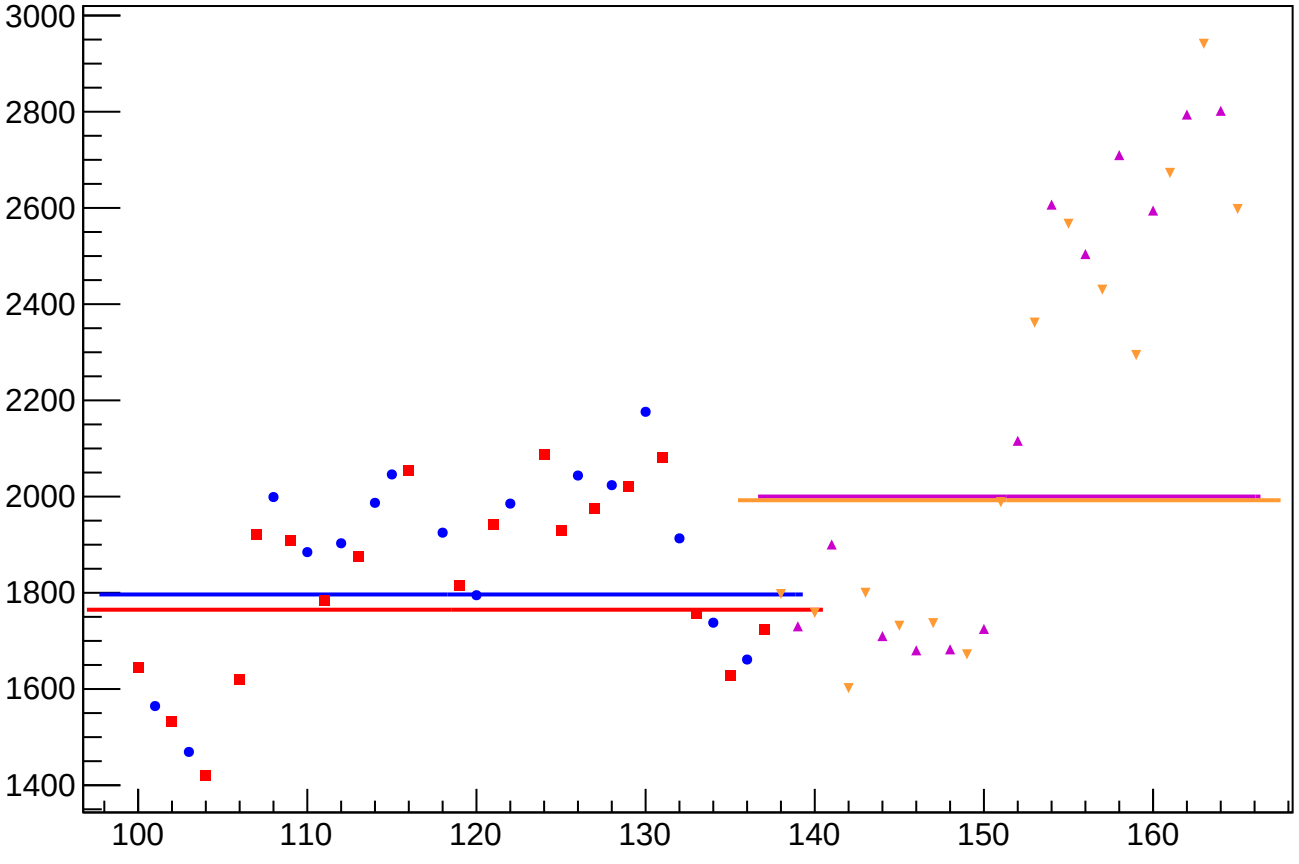
Left In: 71.584+/-0.618 χ^2/NDF:1515.8/12

+ sign 11.252+/-0.444 χ^2/NDF: 12845.1/30

All: 16.616+/-0.315 χ^2/NDF: 29081.6/62

- sign 22.068+/-0.447 χ^2/NDF: 15941.7/31

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1992.398+/-0.418 χ^2/NDF:807042.0/14

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

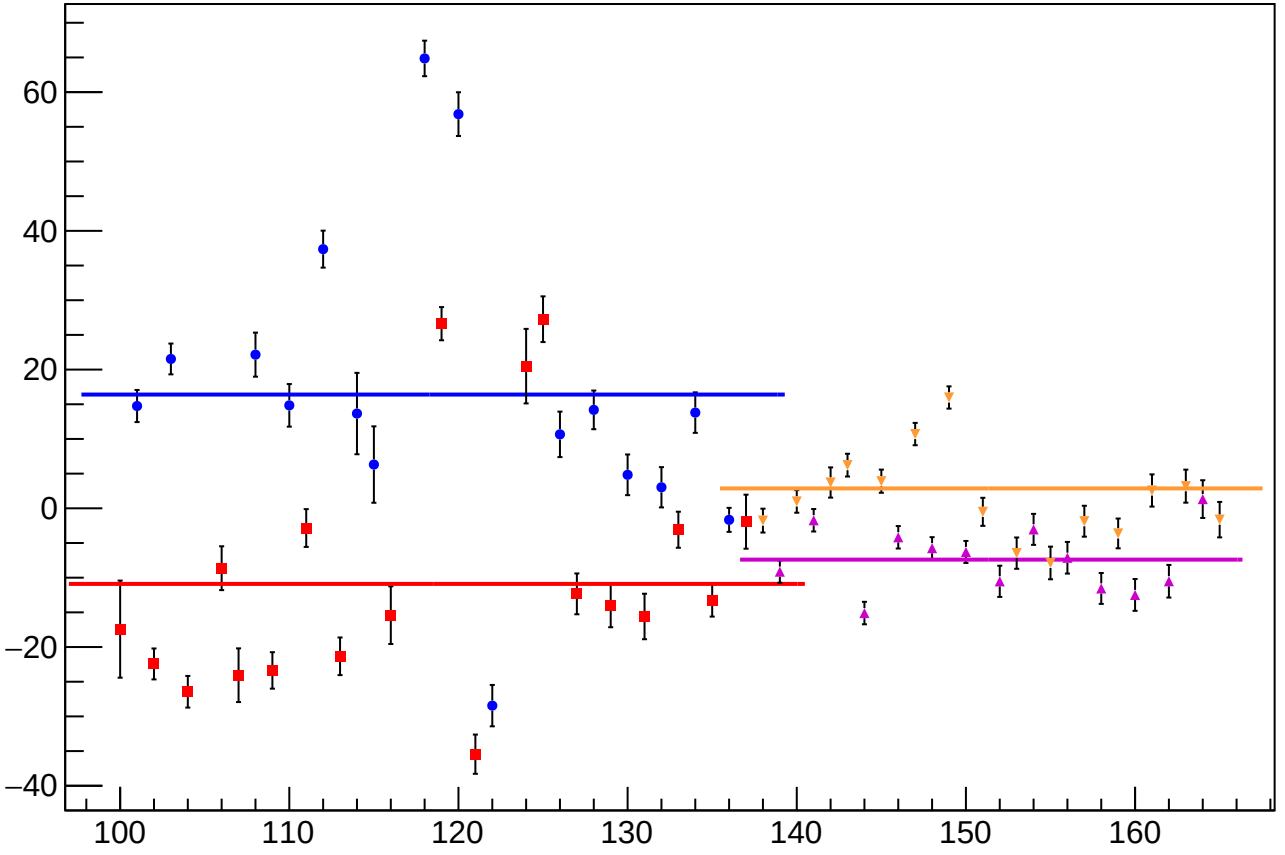
Left In: 2000.115+/-0.437 χ^2/NDF:870116.1/12

+ sign 1907.125+/-0.314 χ^2/NDF: 1095989.9/30

All: 1897.720+/-0.223 χ^2/NDF: 2295879.2/62

- sign 1888.161+/-0.316 χ^2/NDF: 1198077.4/31

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 2.865+/-0.501 χ^2/NDF:161.2/14

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

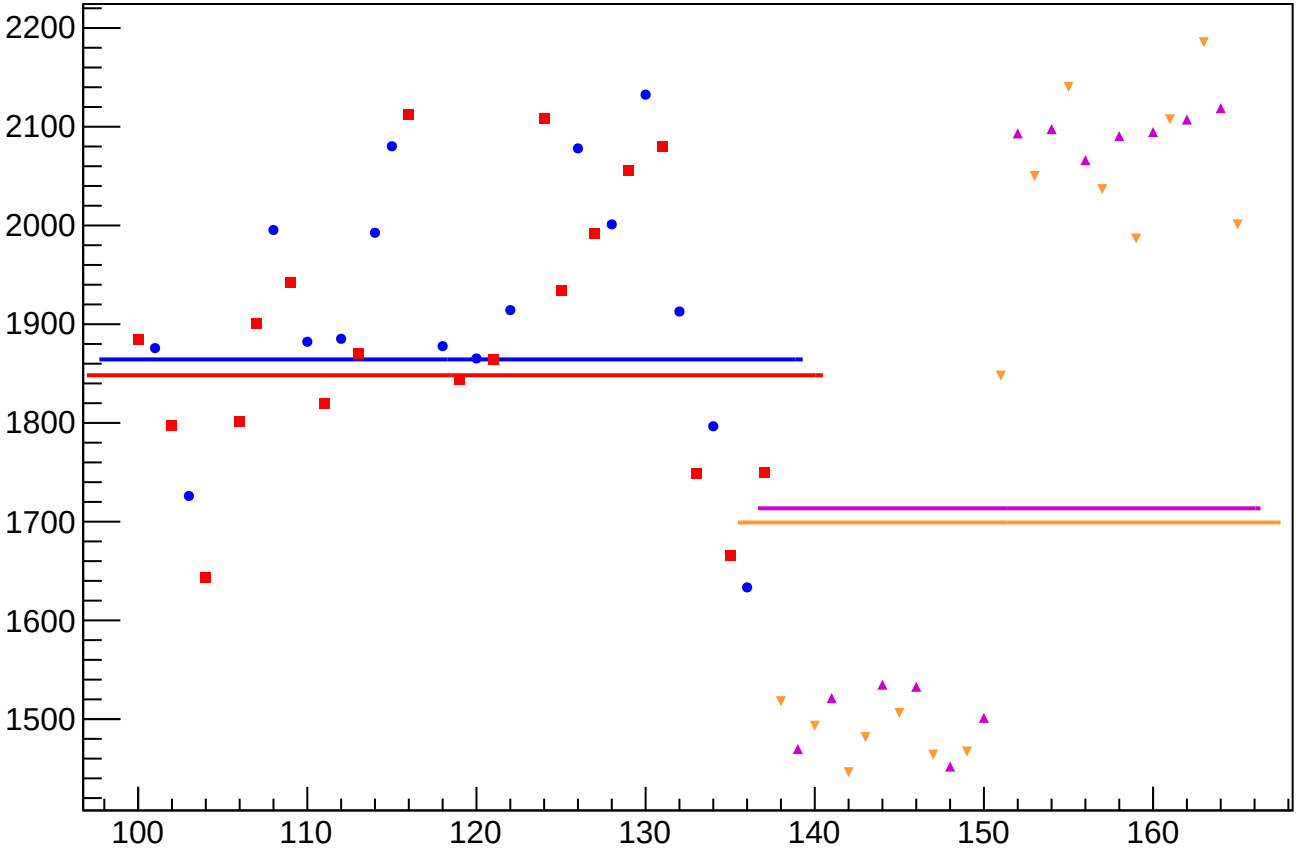
Left In: -7.397+/-0.525 χ^2/NDF:67.8/12

\+ sign 7.493+/-0.406 χ^2/NDF: 1383.8/30

All: -0.448+/-0.290 χ^2/NDF: 2889.3/62

\- sign -8.714+/-0.415 χ^2/NDF: 726.2/31

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1699.181+/-0.354 χ^2/NDF:611828.2/14

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

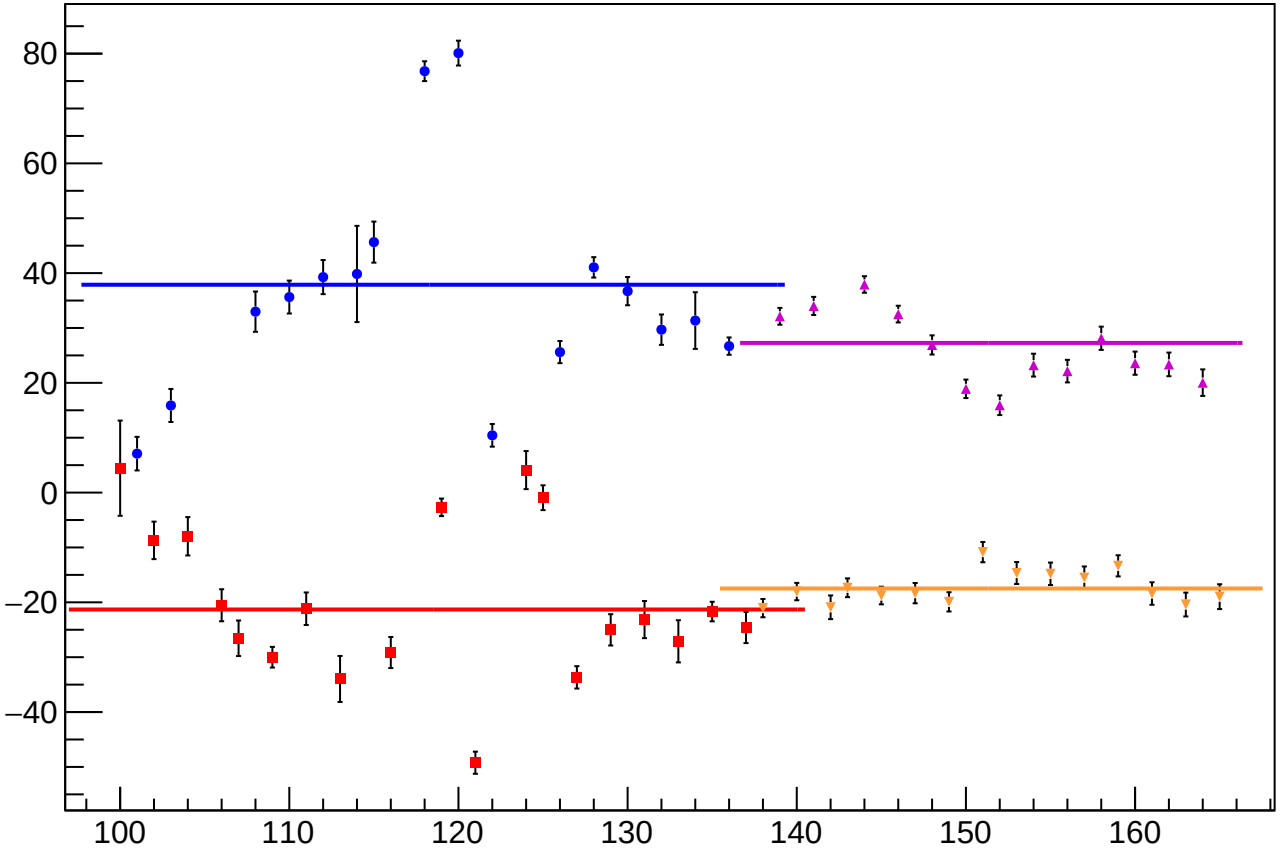
Left In: 1713.506+/-0.371 χ^2/NDF:591294.3/12

+ sign 1755.658+/-0.287 χ^2/NDF: 769462.5/30

All: 1759.830+/-0.205 χ^2/NDF: 1485721.4/62

- sign 1764.172+/-0.293 χ^2/NDF: 715828.8/31

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.480+/-0.485 χ^2/NDF:34.6/14

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

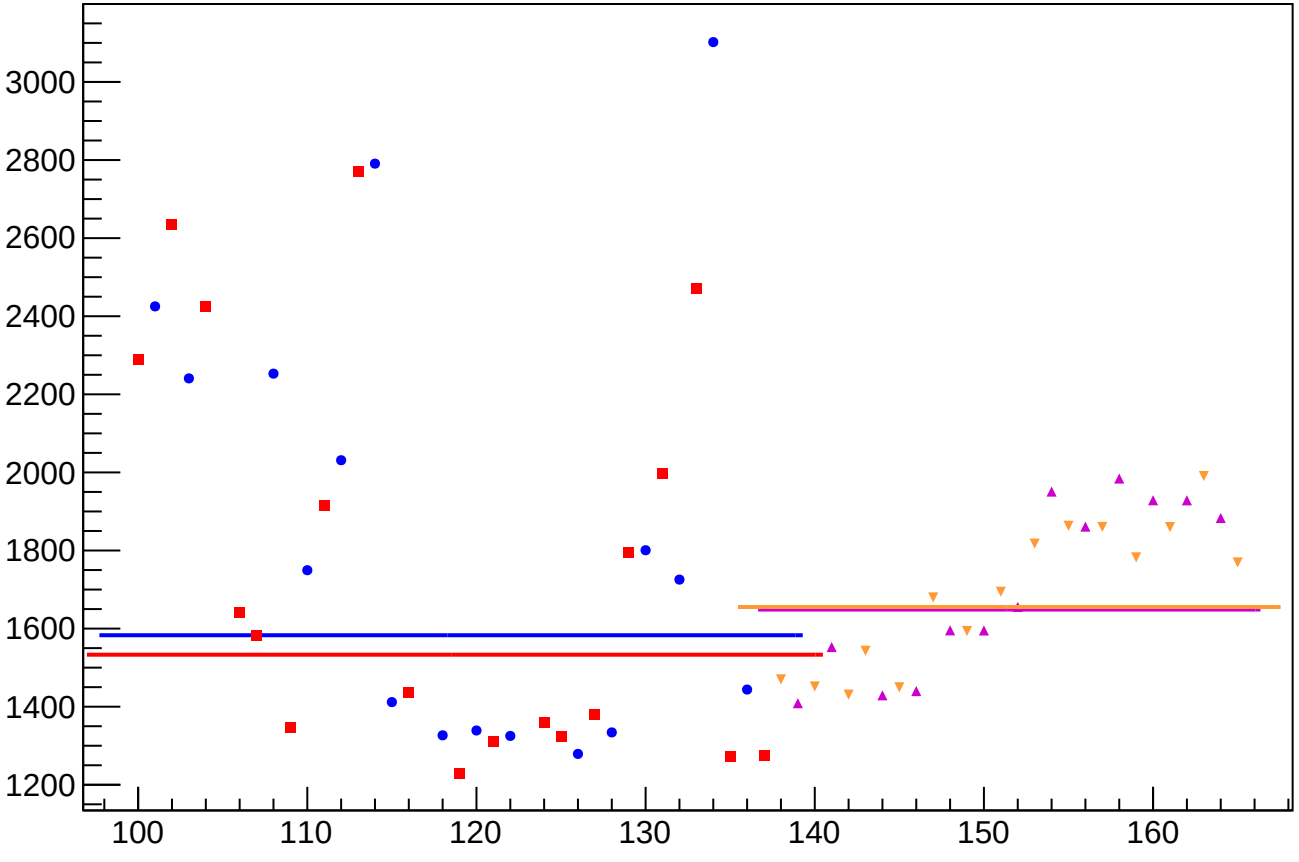
Left In: 27.277+/-0.503 χ^2/NDF:178.8/12

+ sign 3.432+/-0.383 χ^2/NDF: 6208.0/30

All: 5.184+/-0.271 χ^2/NDF: 10915.5/62

- sign 6.946+/-0.384 χ^2/NDF: 4665.5/31

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1655.342+/-0.343 χ^2/NDF:259764.0/14

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

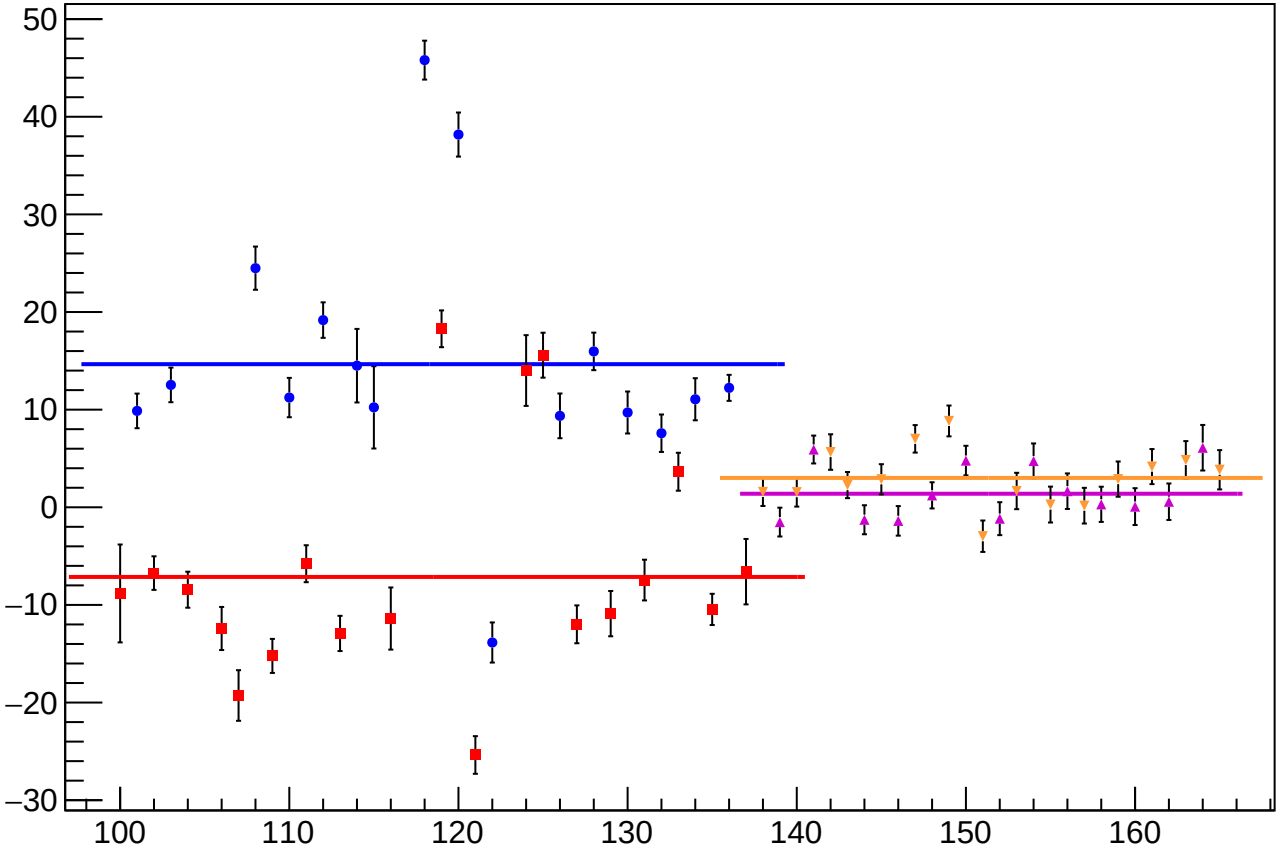
Left In: 1648.761+/-0.356 χ^2/NDF:340870.7/12

+ sign 1628.034+/-0.270 χ^2/NDF: 1064228.1/30

All: 1614.254+/-0.192 χ^2/NDF: 2405267.9/62

- sign 1600.396+/-0.271 χ^2/NDF: 1335833.5/31

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.008+/-0.426 χ^2/NDF:46.5/14

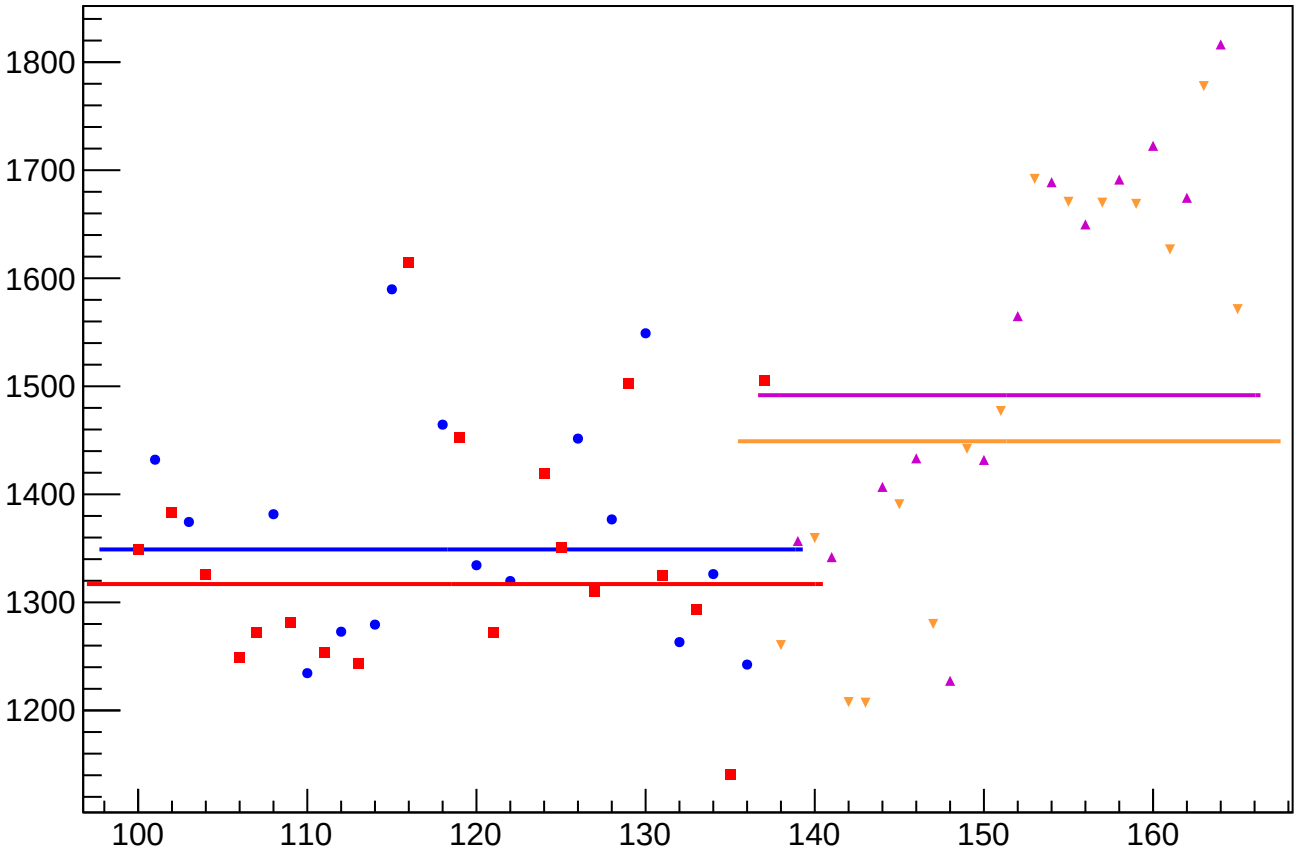
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 1.388+/-0.454 χ^2/NDF:36.4/12

+ sign 7.851+/-0.325 χ^2/NDF: 972.9/30

All: 2.710+/-0.232 χ^2/NDF: 2192.2/62

- sign -2.609+/-0.331 χ^2/NDF: 711.1/31



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1449.131+/-0.301 χ^2/NDF:380961.0/14

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

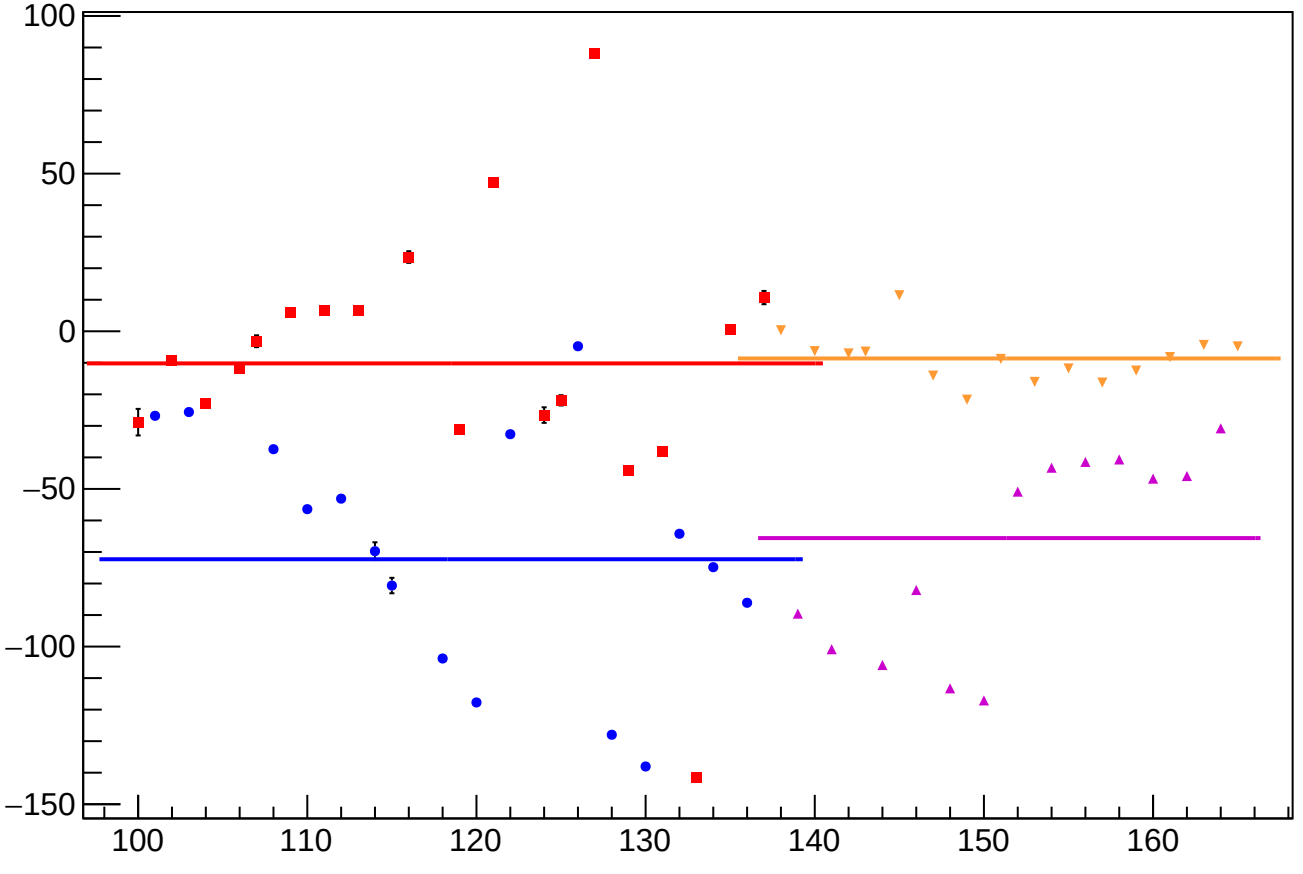
Left In: 1491.744+/-0.321 χ^2/NDF:284203.5/12

+ sign 1407.509+/-0.230 χ^2/NDF: 495381.2/30

All: 1408.626+/-0.164 χ^2/NDF: 1005491.1/62

- sign 1409.783+/-0.234 χ^2/NDF: 510061.9/31

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -8.624+/-0.250 χ^2/NDF:826.4/14

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

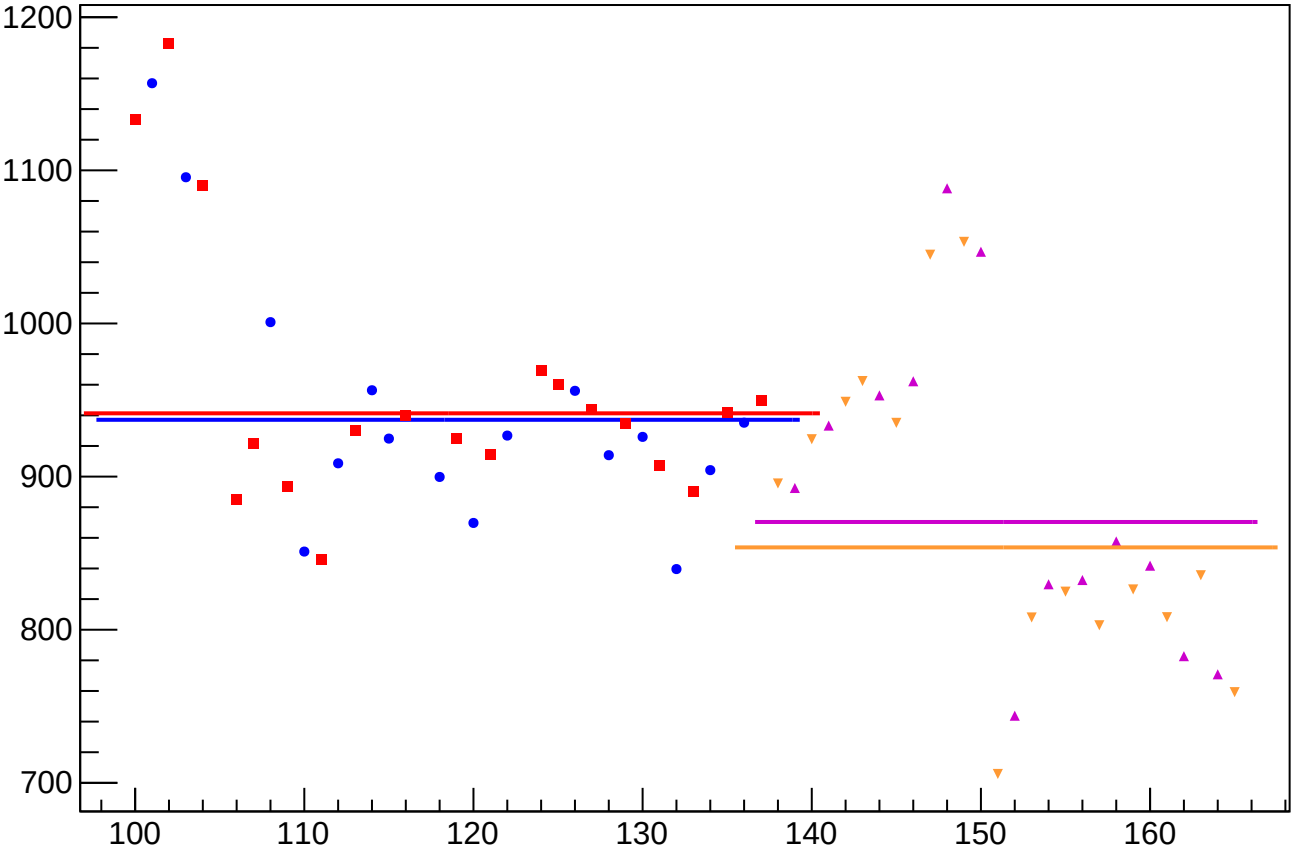
Left In: -65.594+/-0.265 χ^2/NDF:12084.4/12

\+ sign -30.185+/-0.203 χ^2/NDF: 34943.5/30

All: -37.374+/-0.146 χ^2/NDF: 84918.7/62

\- sign -45.033+/-0.210 χ^2/NDF: 47393.8/31

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 853.768+/-0.177 χ^2/NDF:285551.1/14

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

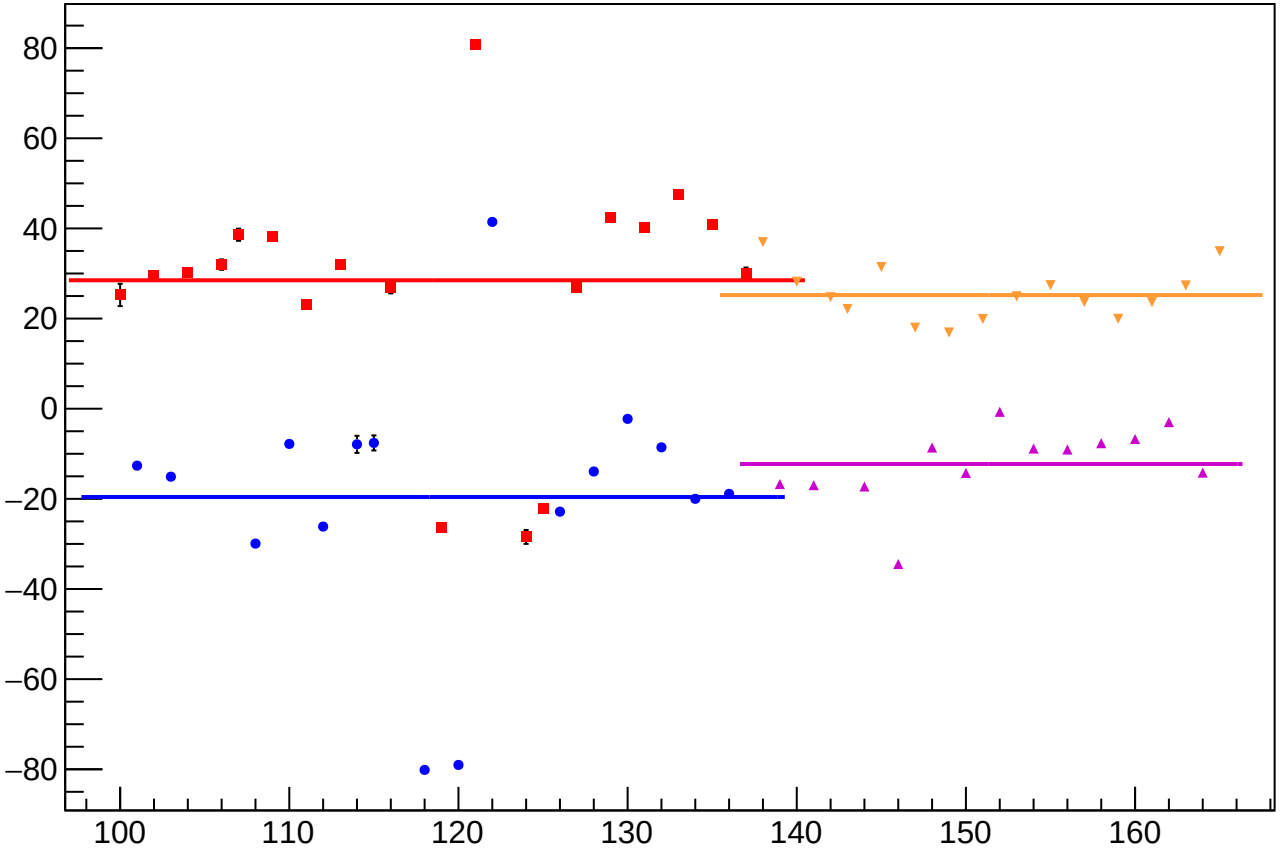
Left In: 870.363+/-0.187 χ^2/NDF:257295.8/12

+ sign 881.982+/-0.144 χ^2/NDF: 465428.0/30

All: 889.107+/-0.103 χ^2/NDF: 882178.8/62

- sign 896.697+/-0.148 χ^2/NDF: 411680.2/31

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 25.213+/-0.194 χ^2/NDF:870.5/14

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

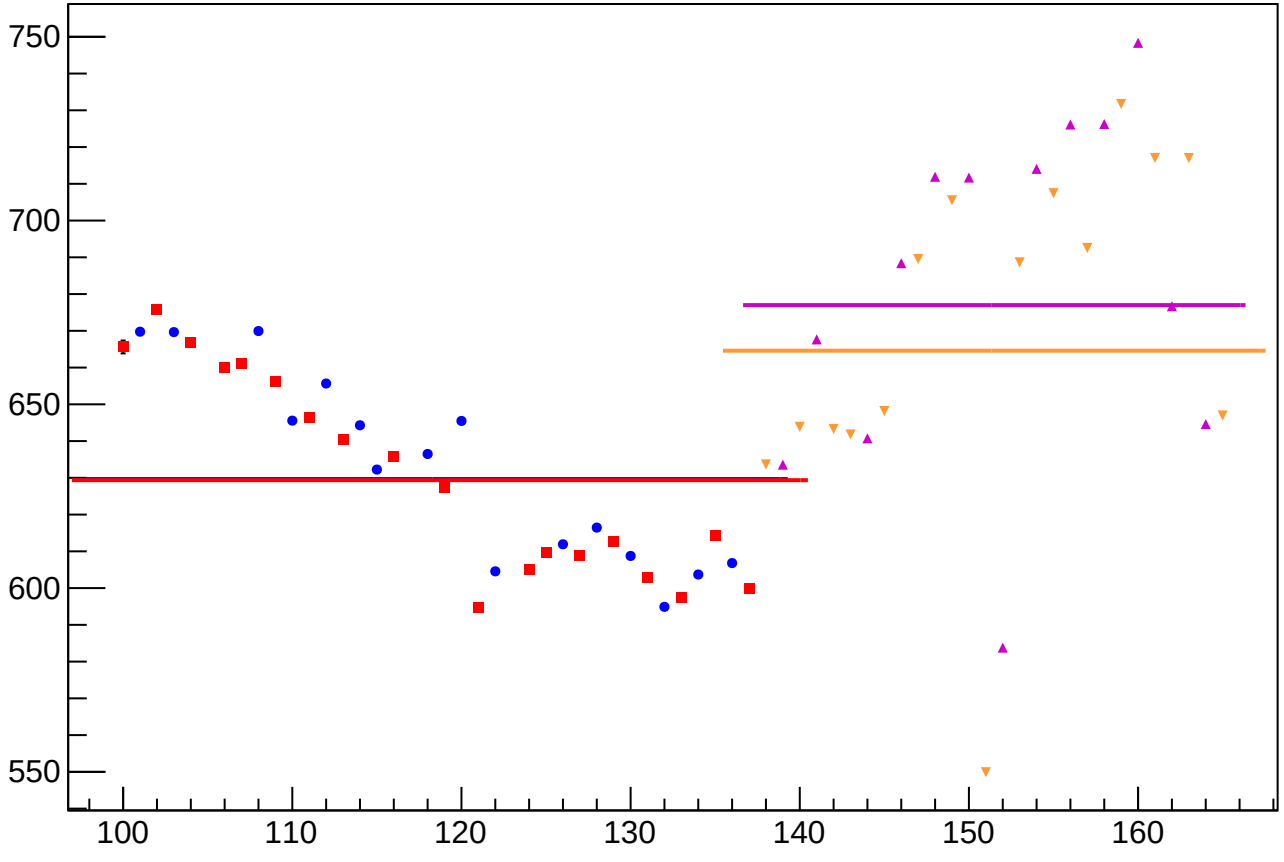
Left In: -12.274+/-0.205 χ^2/NDF:1714.3/12

\+ sign 6.951+/-0.149 χ^2/NDF: 35756.2/30

All: 6.406+/-0.107 χ^2/NDF: 67984.3/62

\- sign 5.834+/-0.153 χ^2/NDF: 32200.8/31

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 664.594+/-0.137 χ^2/NDF:134574.7/14

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

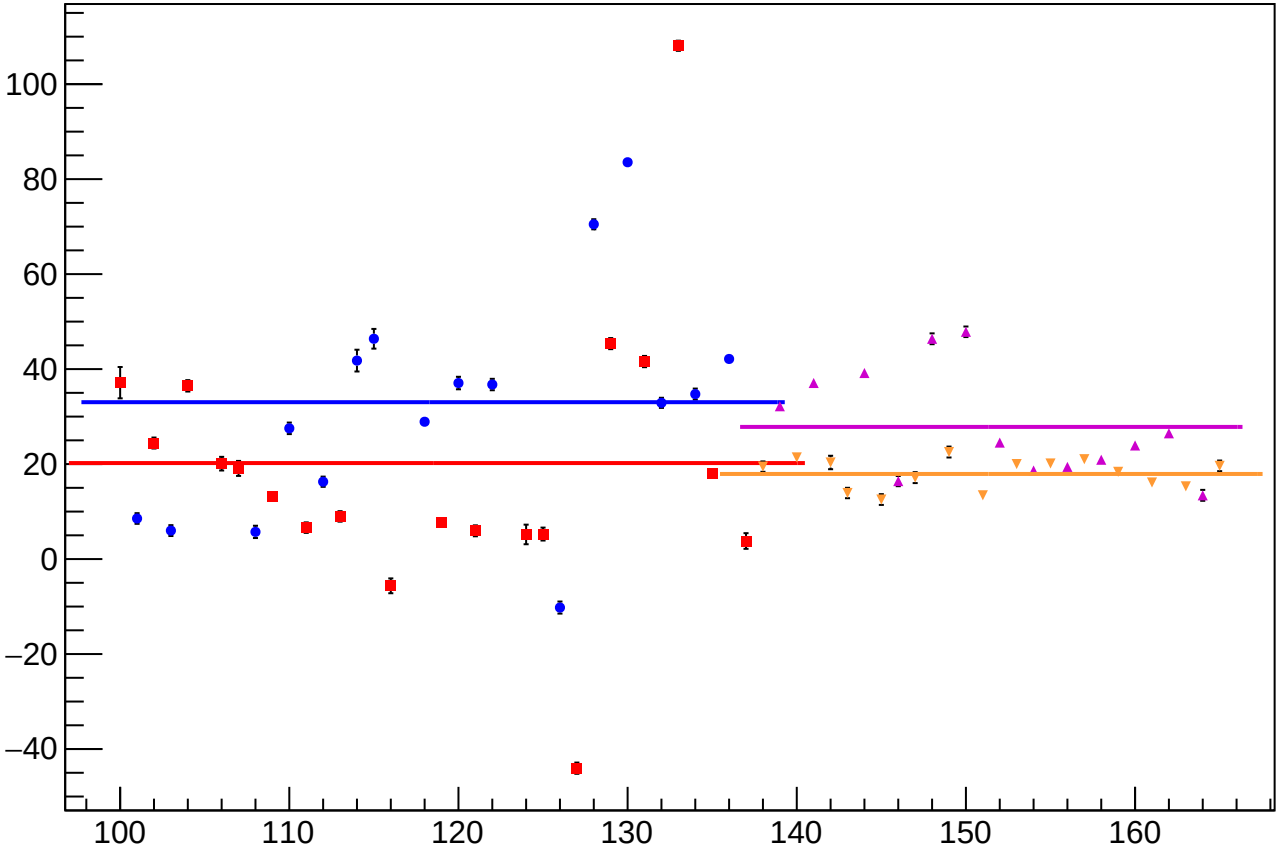
Left In: 676.992+/-0.145 χ^2/NDF:104502.9/12

+ sign 650.357+/-0.106 χ^2/NDF: 186286.6/30

All: 653.031+/-0.076 χ^2/NDF: 366707.9/62

- sign 655.838+/-0.108 χ^2/NDF: 179108.1/31

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.921+/-0.275 χ^2/NDF:125.2/14

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

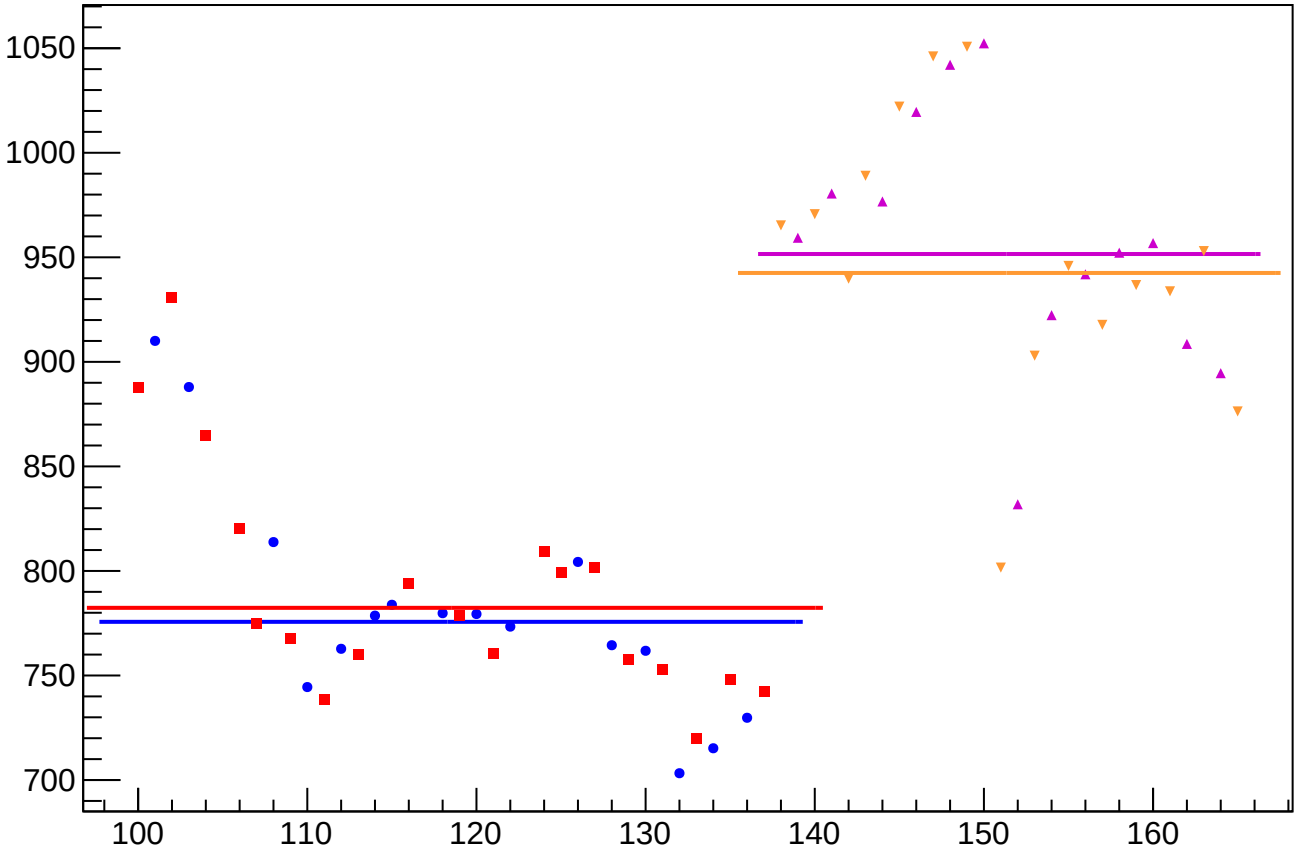
Left In: 27.828+/-0.288 χ^2/NDF:1305.2/12

+ sign 25.102+/-0.199 χ^2/NDF: 8261.3/30

All: 24.558+/-0.142 χ^2/NDF: 21803.0/62

- sign 23.992+/-0.203 χ^2/NDF: 13526.4/31

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 942.522+/-0.194 χ^2/NDF:113620.7/14

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

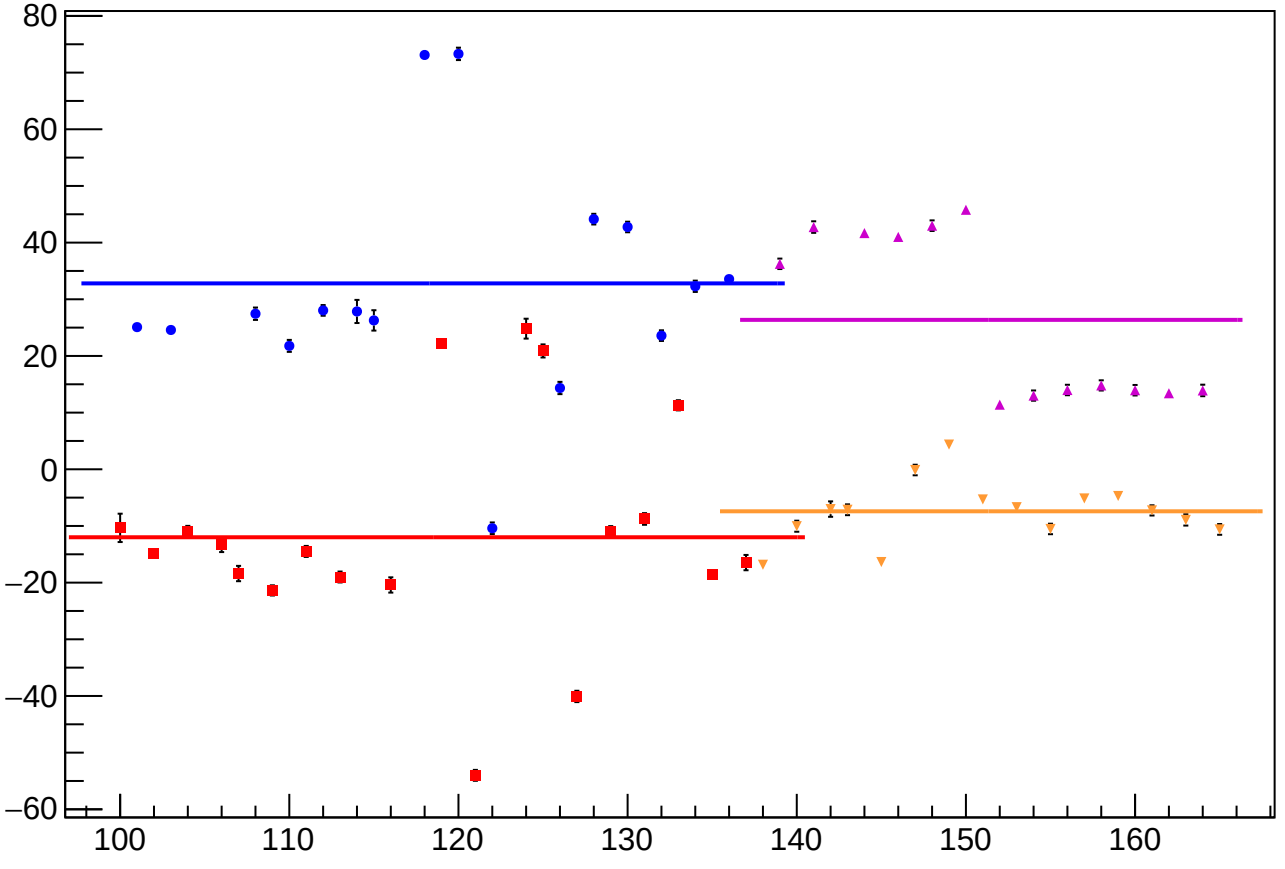
Left In: 951.578+/-0.204 χ^2/NDF:86068.3/12

+ sign 863.233+/-0.141 χ^2/NDF: 538393.9/30

All: 864.740+/-0.101 χ^2/NDF: 1036709.9/62

- sign 866.306+/-0.144 χ^2/NDF: 498082.3/31

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.414+/-0.234 χ^2/NDF:514.9/14

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

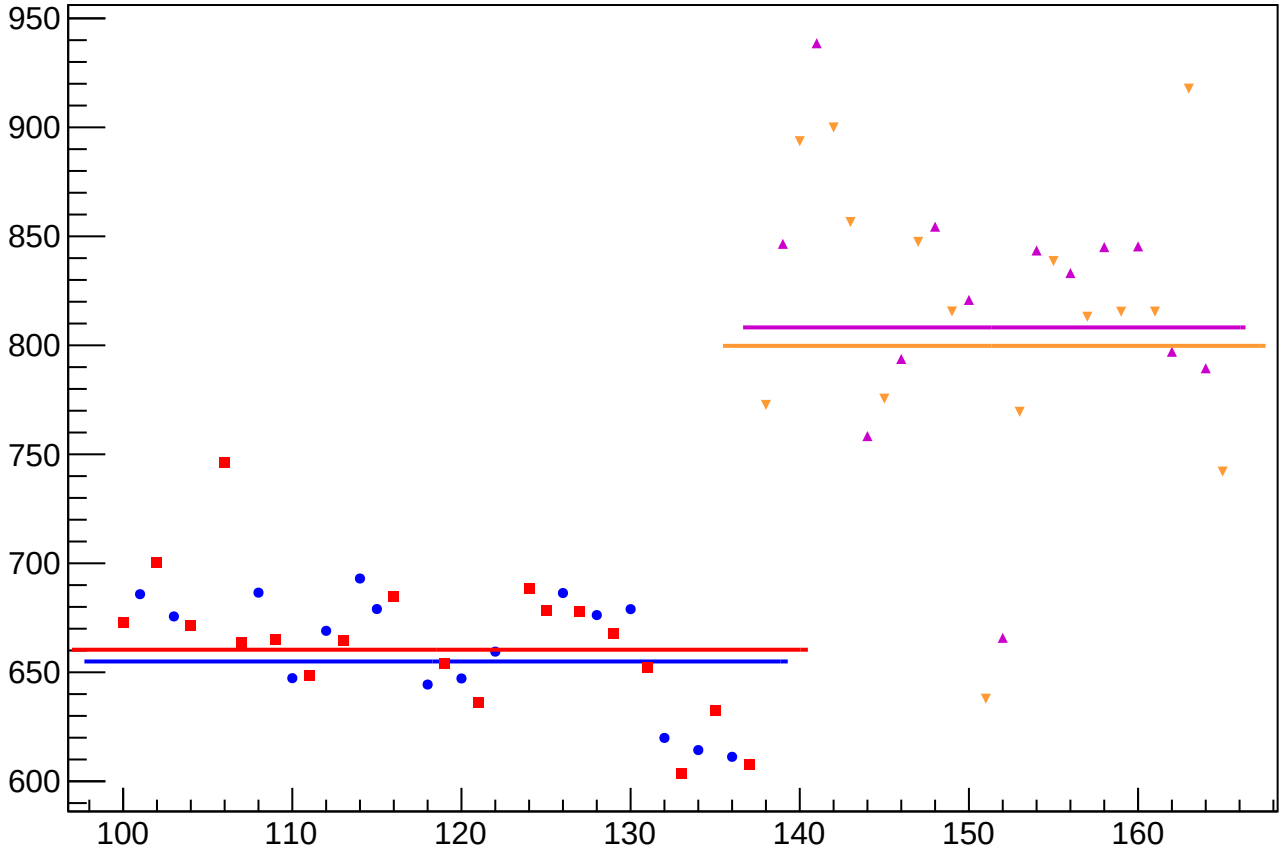
Left In: 26.367+/-0.246 χ^2/NDF:3393.2/12

\+ sign 11.911+/-0.169 χ^2/NDF: 20943.5/30

All: 9.408+/-0.121 χ^2/NDF: 43747.4/62

\- sign 6.804+/-0.172 χ^2/NDF: 22355.4/31

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 799.766+/-0.166 χ^2/NDF:197510.2/14

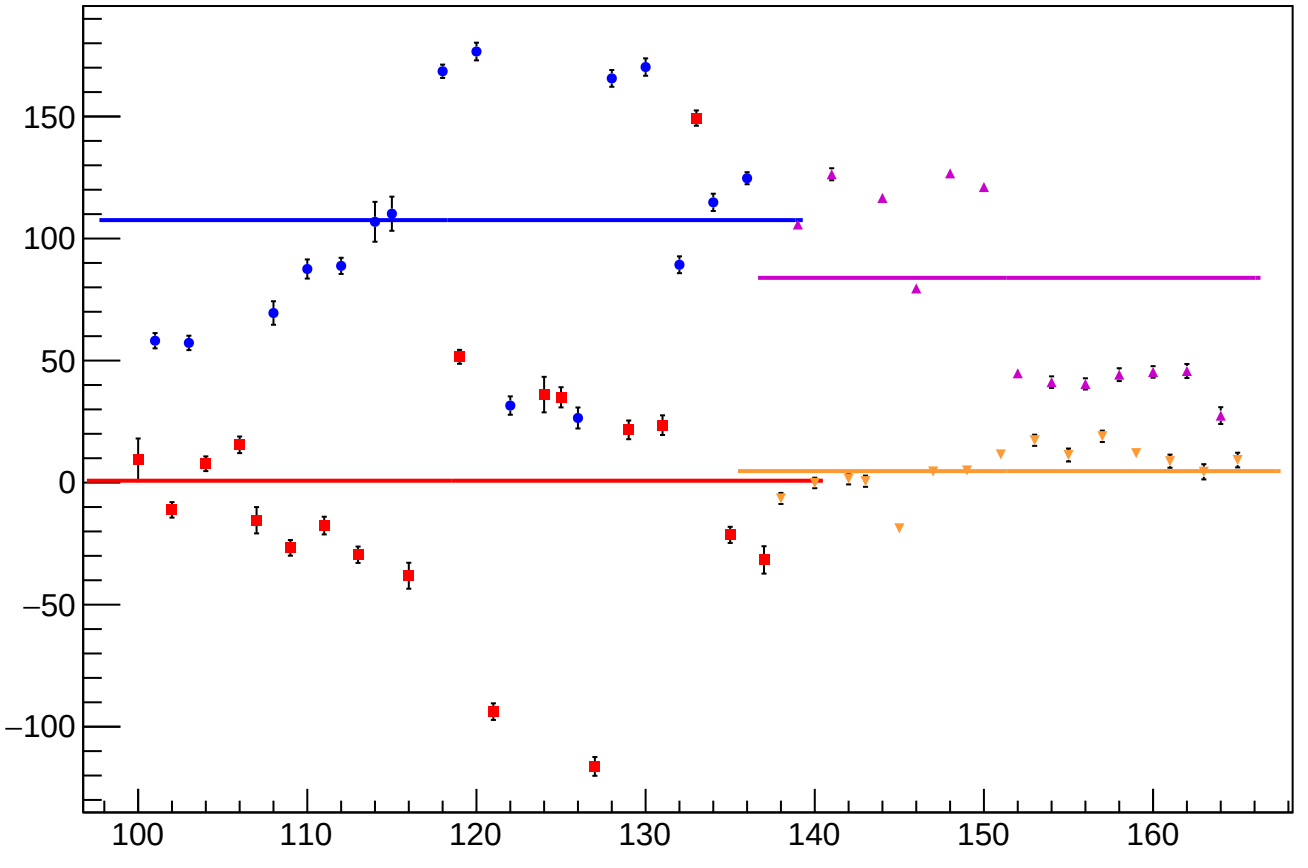
Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 808.221+/-0.174 χ^2/NDF:139586.1/12

+ sign 730.192+/-0.119 χ^2/NDF: 591597.3/30

All: 731.476+/-0.085 χ^2/NDF: 1130384.8/62

- sign 732.812+/-0.122 χ^2/NDF: 538551.3/31



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 4.727+/-0.568 χ^2/NDF:281.5/14

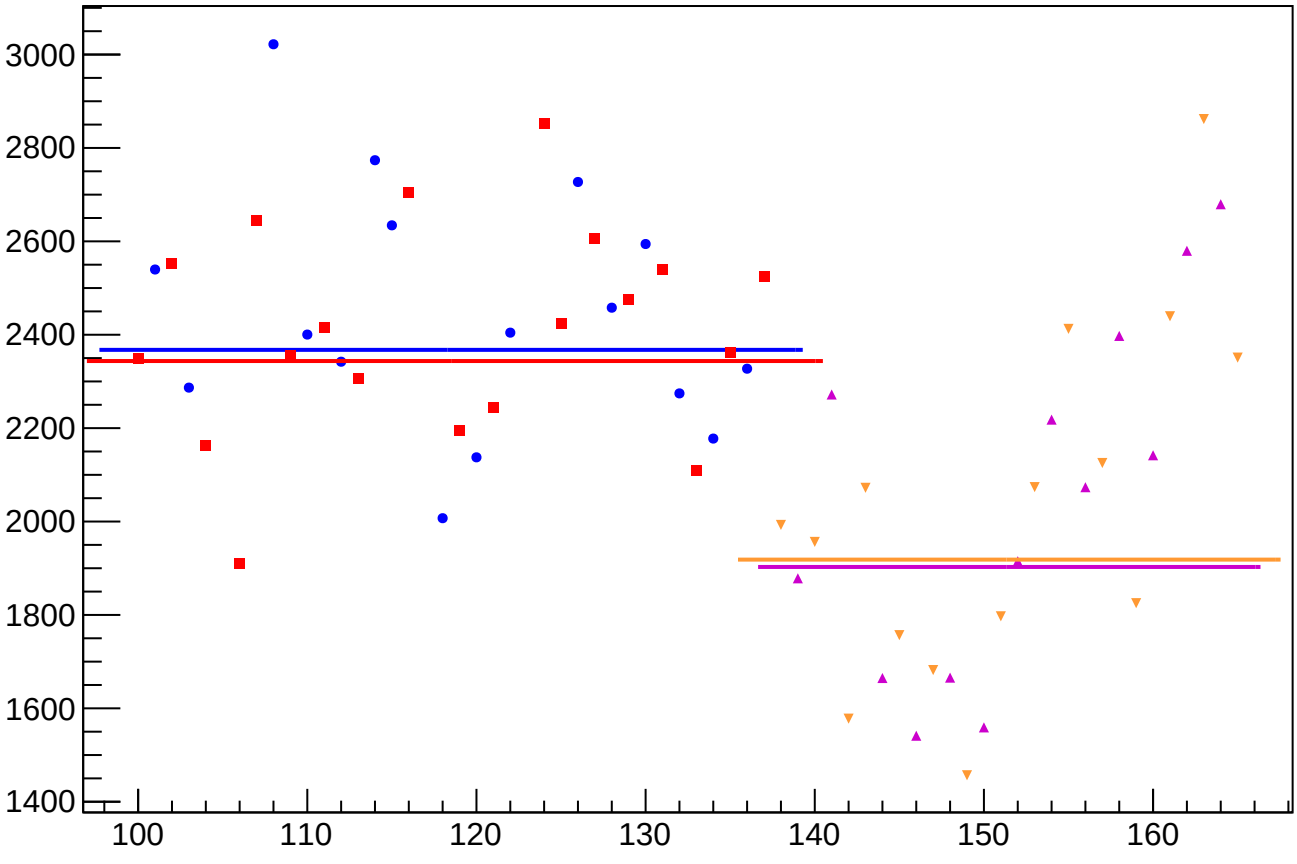
Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 83.900+/-0.589 χ^2/NDF:3777.8/12

+ sign 34.736+/-0.478 χ^2/NDF: 12788.8/30

All: 45.901+/-0.341 χ^2/NDF: 28789.8/62

- sign 57.422+/-0.486 χ^2/NDF: 14893.8/31



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1918.470+/-0.402 χ^2/NDF:670248.7/14

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

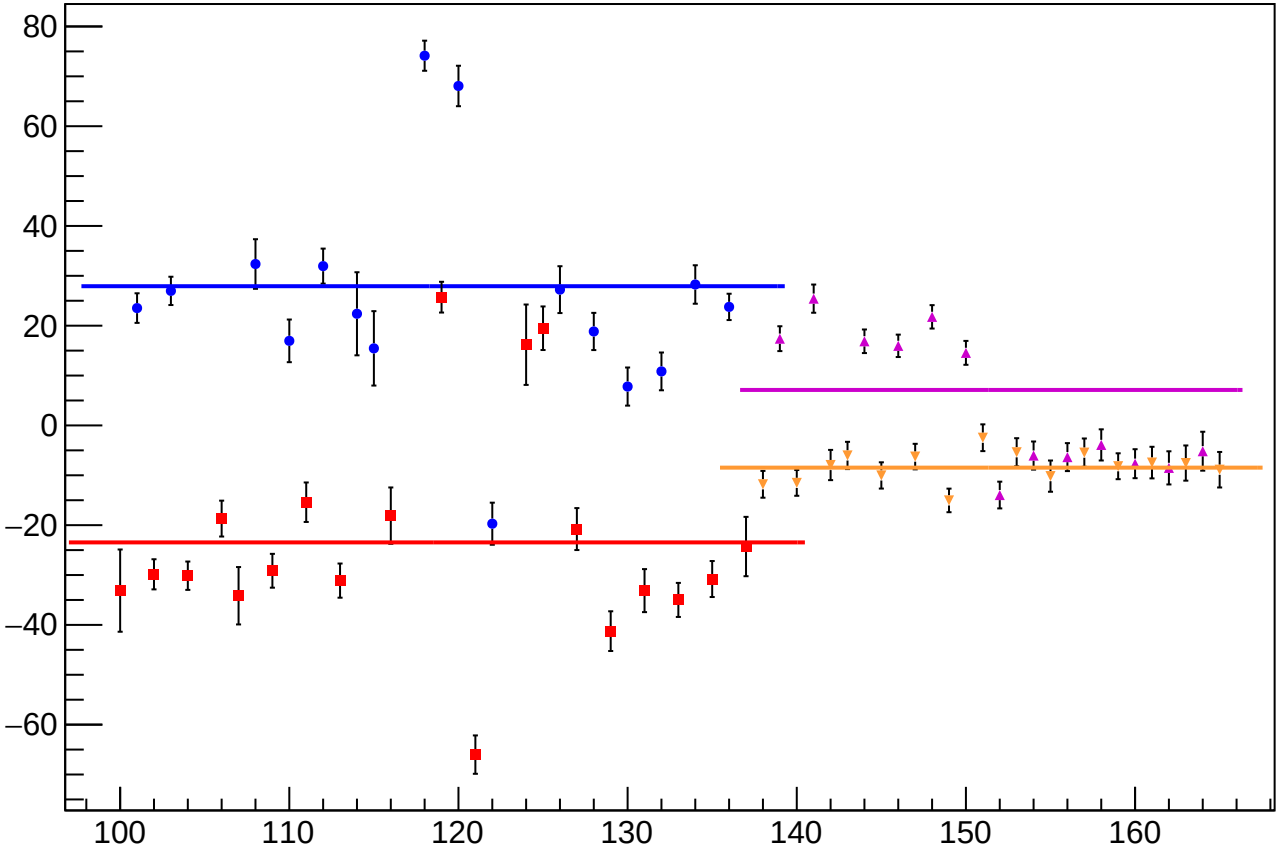
Left In: 1902.734+/-0.416 χ^2/NDF:649180.6/12

+ sign 2049.563+/-0.338 χ^2/NDF: 1161547.0/30

All: 2046.440+/-0.241 χ^2/NDF: 2280810.8/62

- sign 2043.217+/-0.344 χ^2/NDF: 1119090.4/31

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.465+/-0.725 χ^2/NDF:20.4/14

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

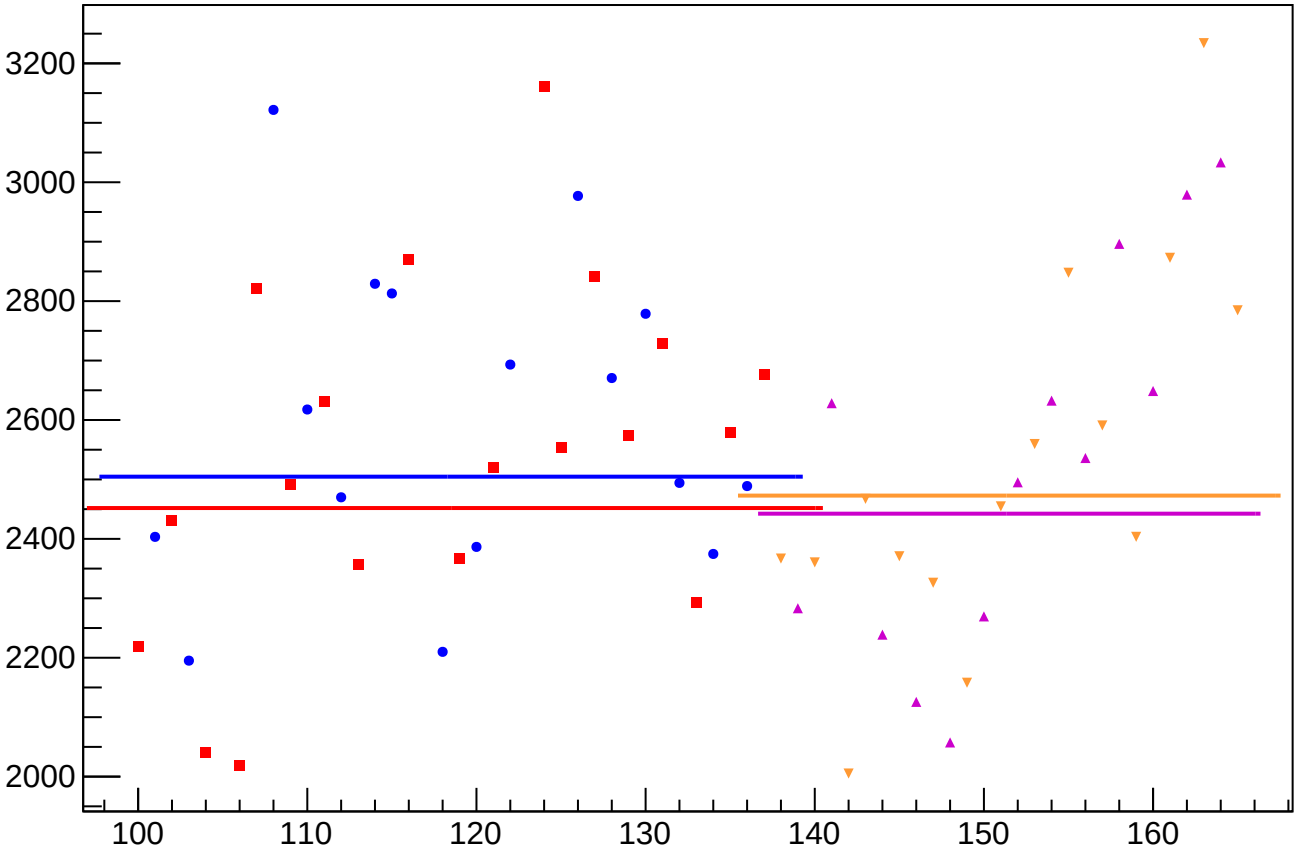
Left In: 7.115+/-0.748 χ^2/NDF:317.1/12

+ sign 5.155+/-0.573 χ^2/NDF: 1494.8/30

All: -0.063+/-0.406 χ^2/NDF: 3226.5/62

- sign -5.329+/-0.576 χ^2/NDF: 1565.2/31

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2472.809+/-0.512 χ^2/NDF:275408.0/14

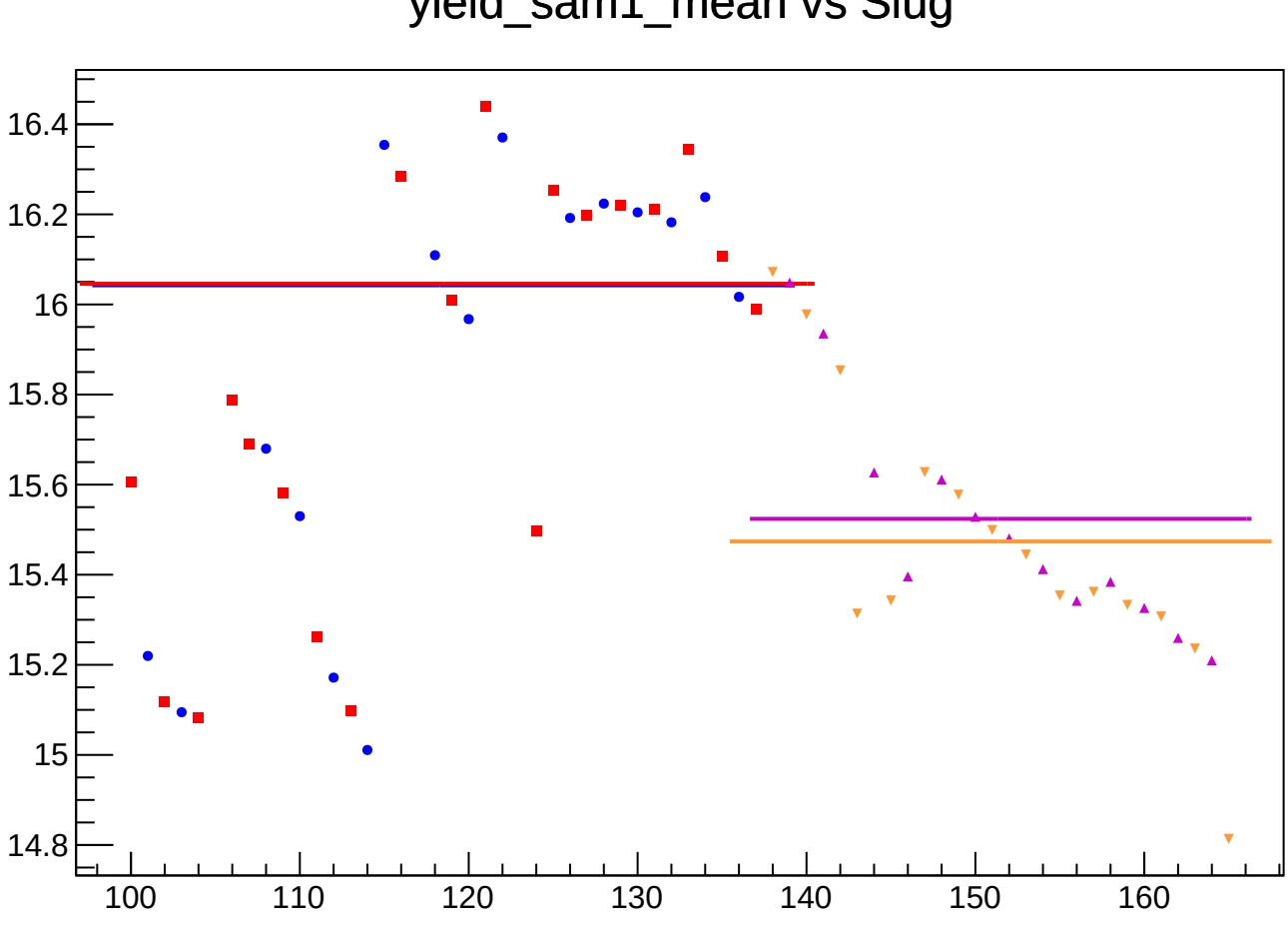
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2442.385+/-0.529 χ^2/NDF:298043.5/12

\+ sign 2484.731+/-0.405 χ^2/NDF: 403453.1/30

All: 2465.581+/-0.287 χ^2/NDF: 859351.0/62

\- sign 2446.250+/-0.407 χ^2/NDF: 451411.8/31



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.474+/-0.000 χ^2/NDF:8949815217.8/14

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

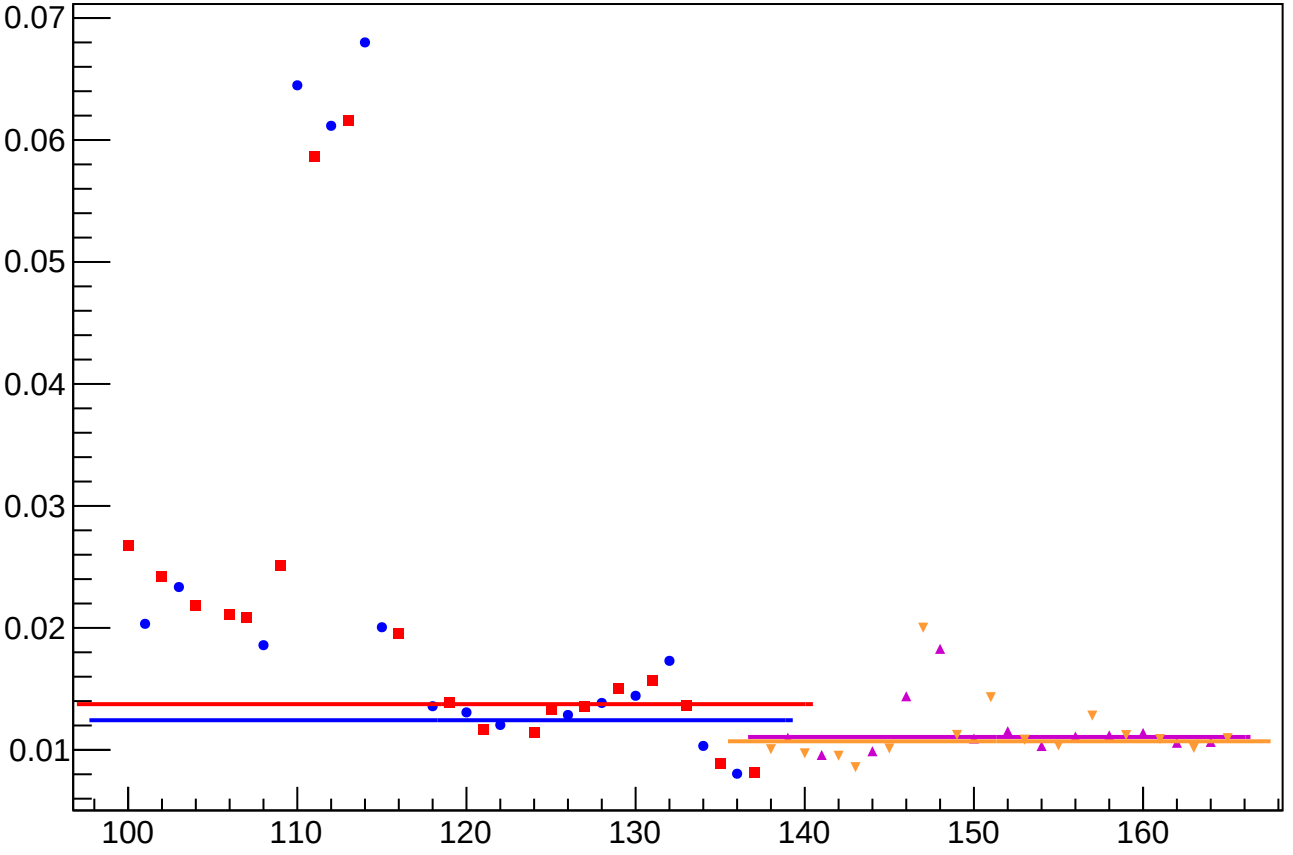
Left In: 15.524+/-0.000 χ^2/NDF:5208066333.4/12

+ sign 15.629+/-0.000 χ^2/NDF: 20172795291.9/30

All: 15.644+/-0.000 χ^2/NDF: 35021091870.7

- sign 15.663+/-0.000 χ^2/NDF: 14778372875.7/31

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:635976.2/14

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

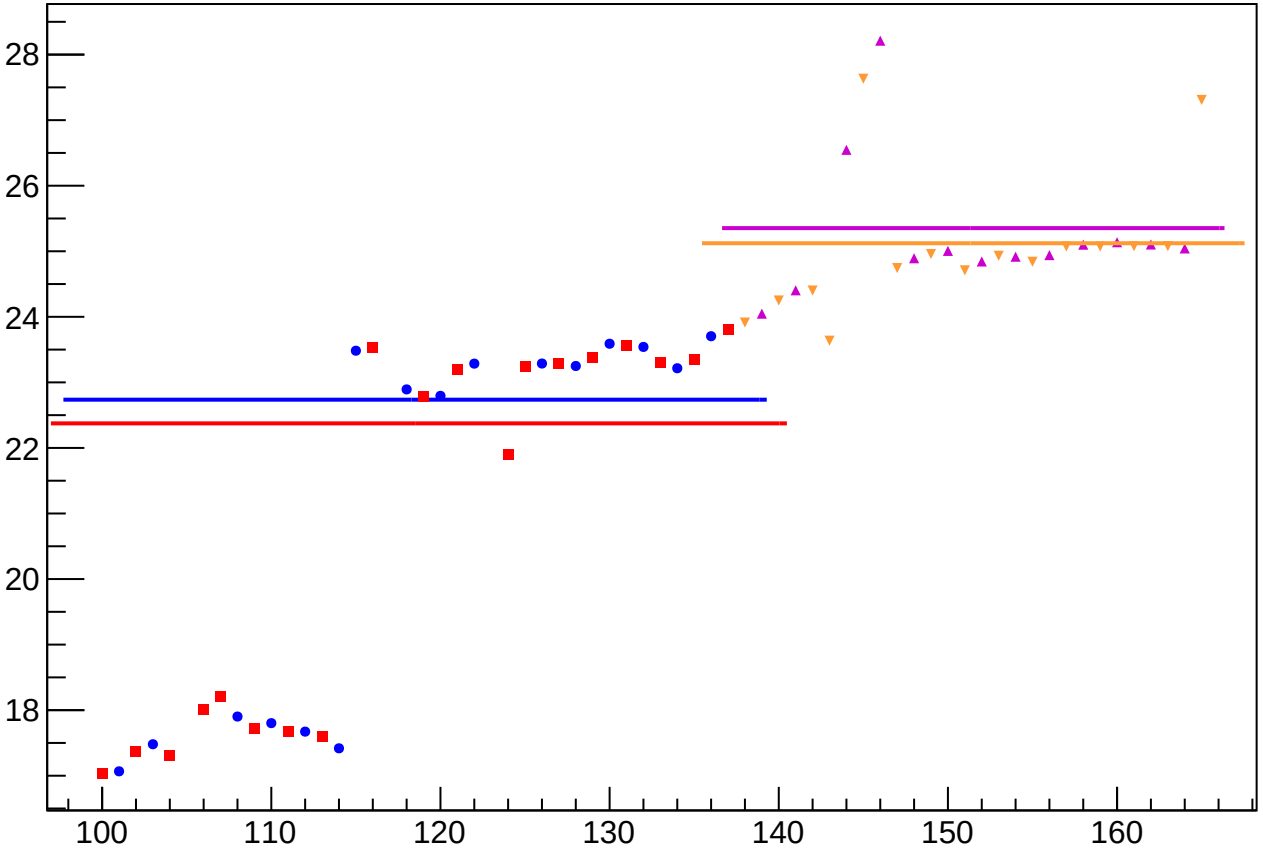
Left In: 0.011+/-0.000 χ^2/NDF:414557.2/12

+ sign 0.011+/-0.000 χ^2/NDF: 3107458.2/30

All: 0.011+/-0.000 χ^2/NDF: 6115977.5/62

- sign 0.012+/-0.000 χ^2/NDF: 2964937.6/31

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.122+/-0.000 χ^2/NDF:1004998467.1/14

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

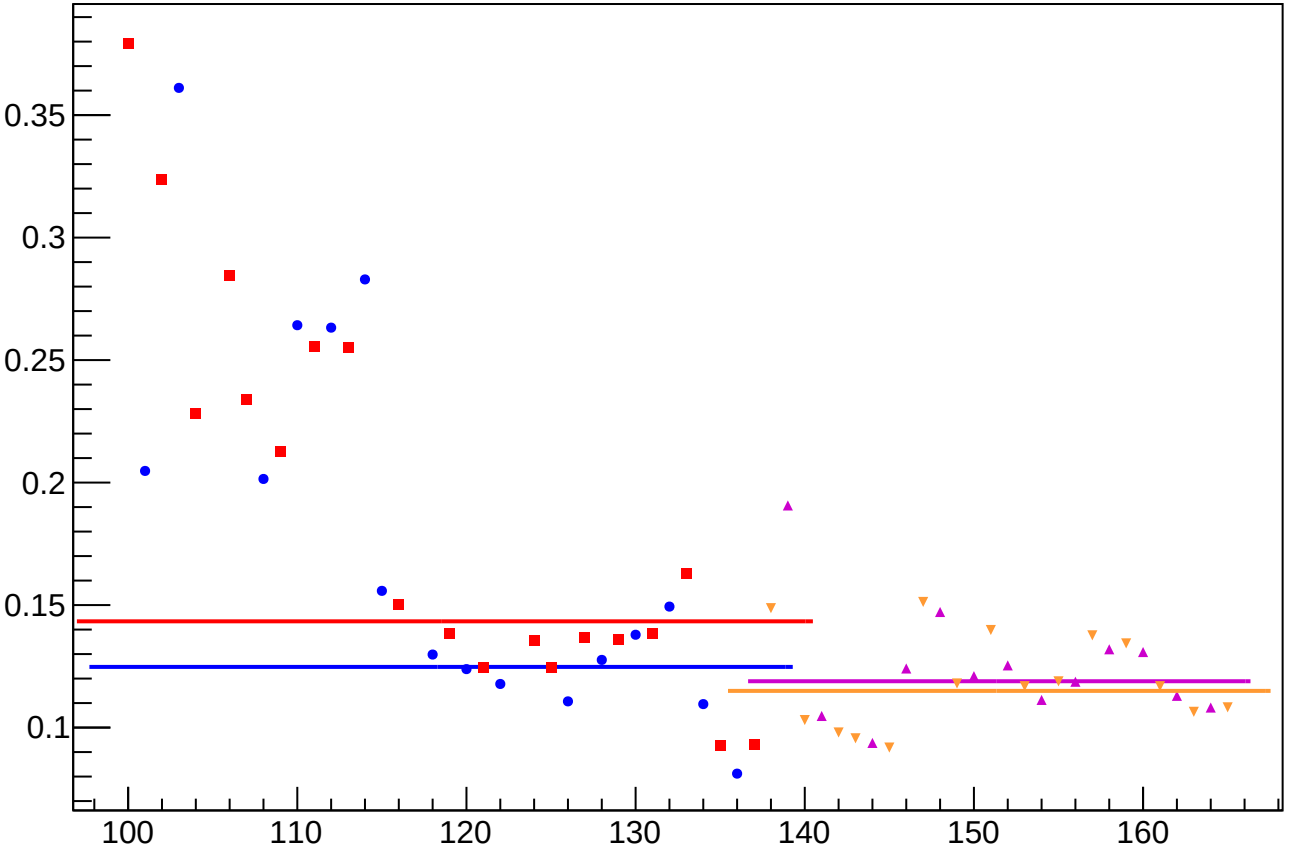
Left In: 25.353+/-0.000 χ^2/NDF:691721725.7/12

+ sign 24.375+/-0.000 χ^2/NDF: 3569394886.4/30

All: 24.418+/-0.000 χ^2/NDF: 7223547785.7/6

- sign 24.468+/-0.000 χ^2/NDF: 3649811003.3/31

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.115+/-0.000 χ^2/NDF:469645.4/14

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

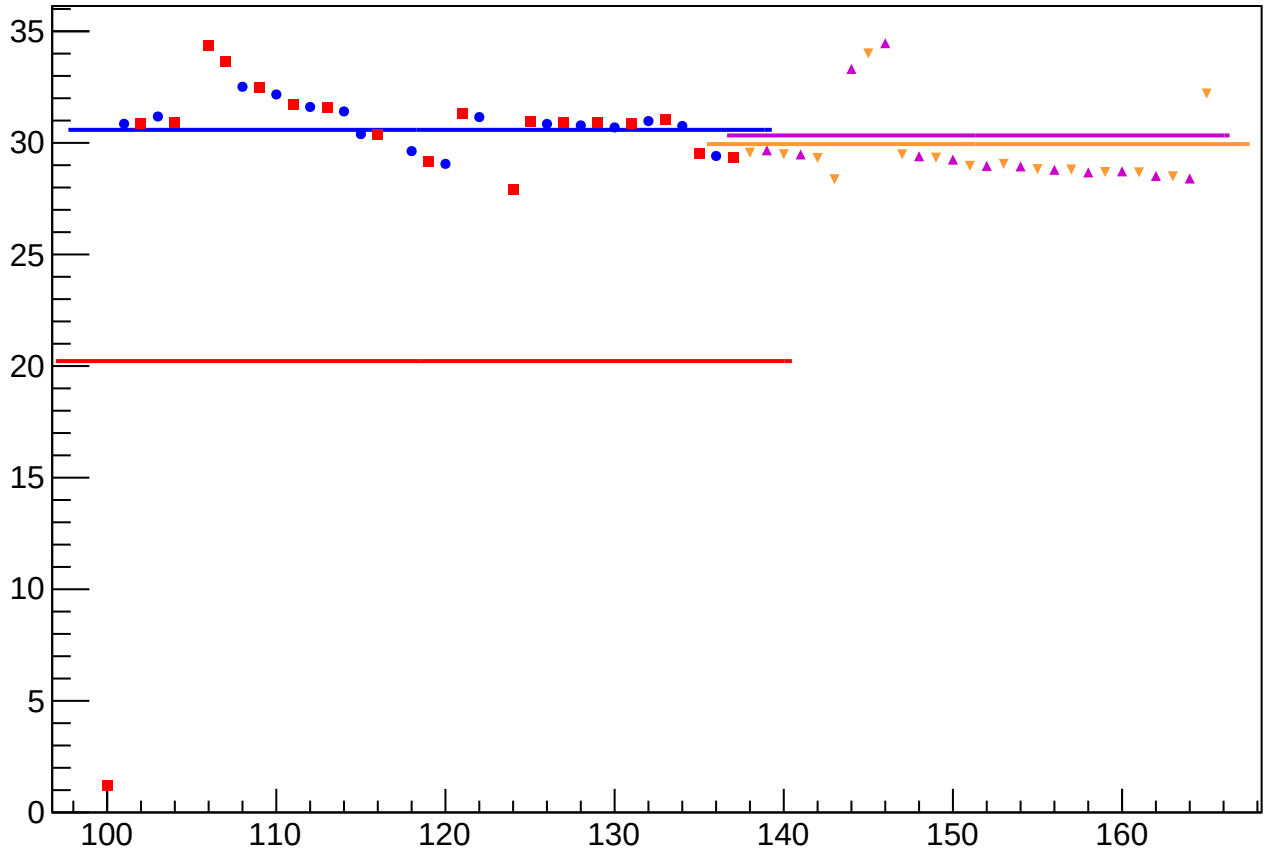
Left In: 0.119+/-0.000 χ^2/NDF:483550.5/12

+ sign 0.118+/-0.000 χ^2/NDF: 2264681.5/30

All: 0.122+/-0.000 χ^2/NDF: 4620427.3/62

- sign 0.126+/-0.000 χ^2/NDF: 2288575.8/31

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.946+/-0.000 χ^2/NDF:7179613963.1/14

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

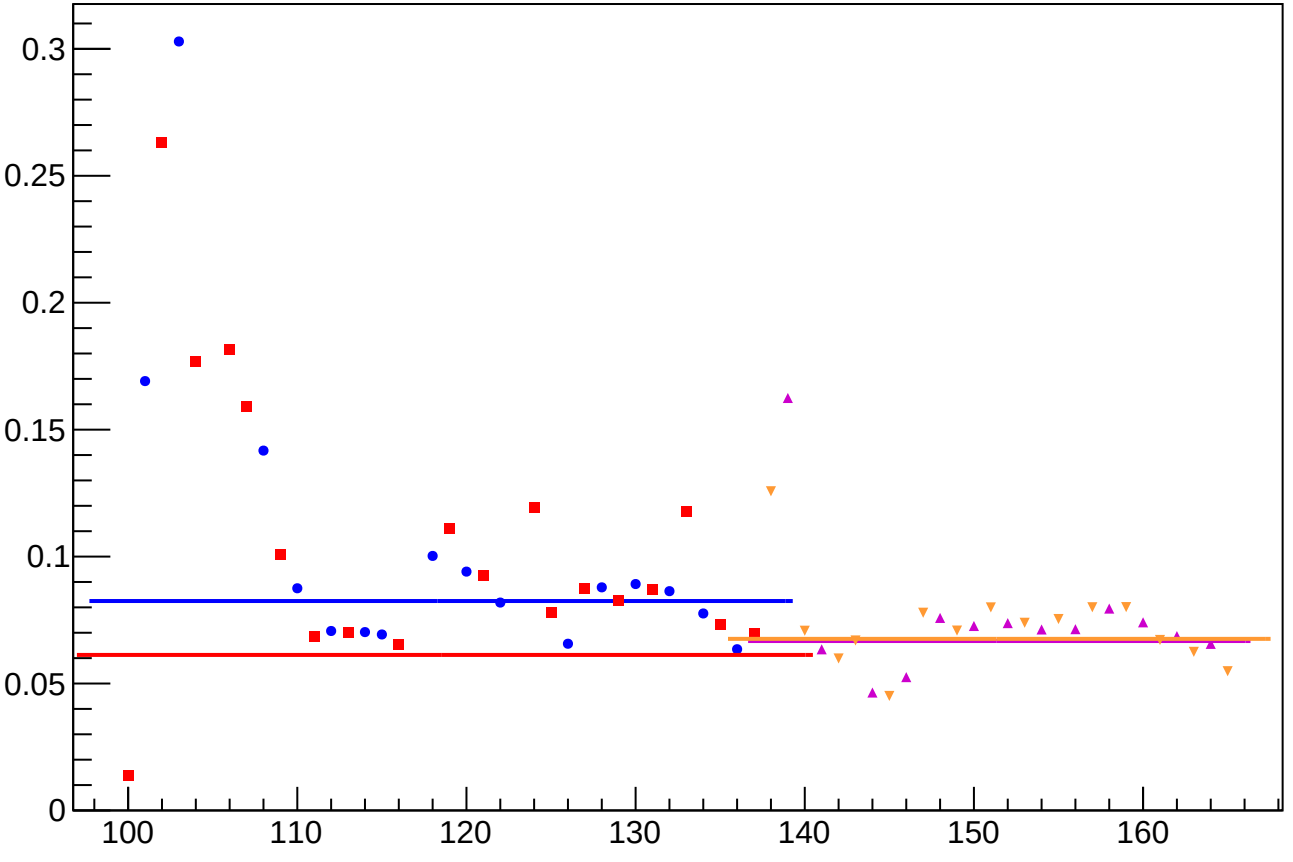
Left In: 30.333+/-0.000 χ^2/NDF:9332805268.3/12

+ sign 30.128+/-0.000 χ^2/NDF: 8057779034.9/30

All: 28.287+/-0.000 χ^2/NDF: 326319112786.

- sign 26.579+/-0.000 χ^2/NDF: 300500832096.1/31

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:786776.6/14

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

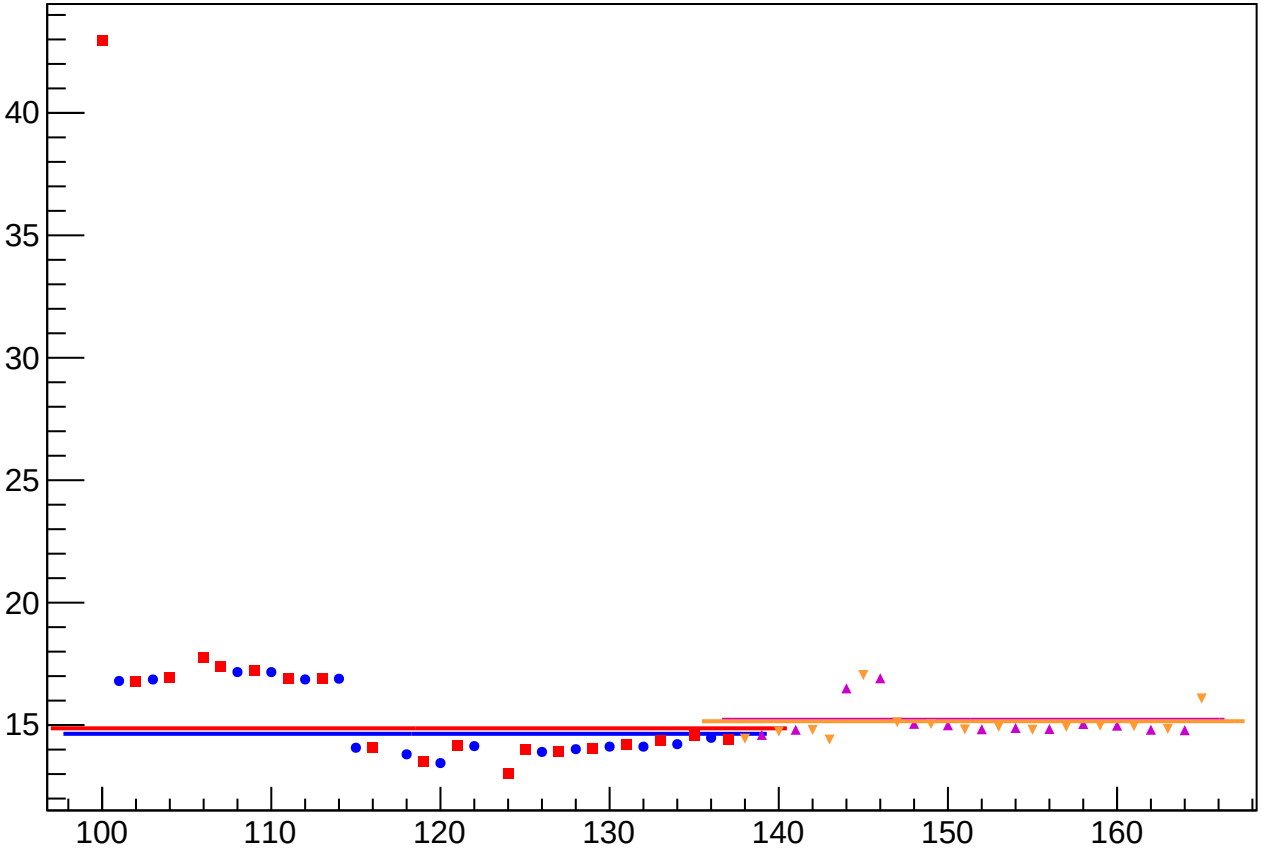
Left In: 0.067+/-0.000 χ^2/NDF:1013050.7/12

+ sign 0.072+/-0.000 χ^2/NDF: 2294202.6/30

All: 0.068+/-0.000 χ^2/NDF: 7505988.4/62

- sign 0.065+/-0.000 χ^2/NDF: 5068361.6/31

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.158+/-0.000 χ^2/NDF:1135554250.5/14

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

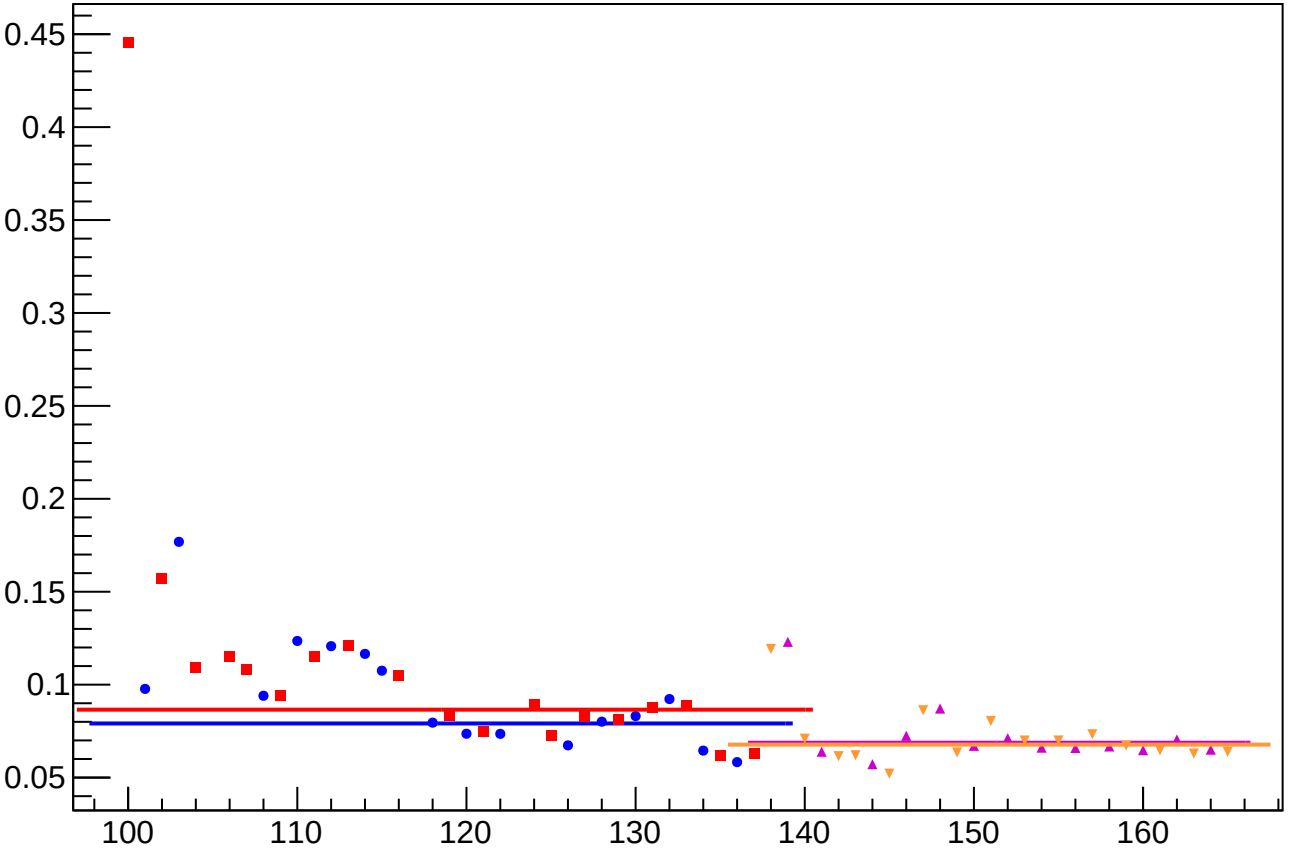
Left In: 15.218+/-0.000 χ^2/NDF:942902393.3/12

+ sign 15.001+/-0.000 χ^2/NDF: 2501633355.3/30

All: 15.055+/-0.000 χ^2/NDF: 5263569894.3/6

- sign 15.114+/-0.000 χ^2/NDF: 2743443808.3/31

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:536541.7/14

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

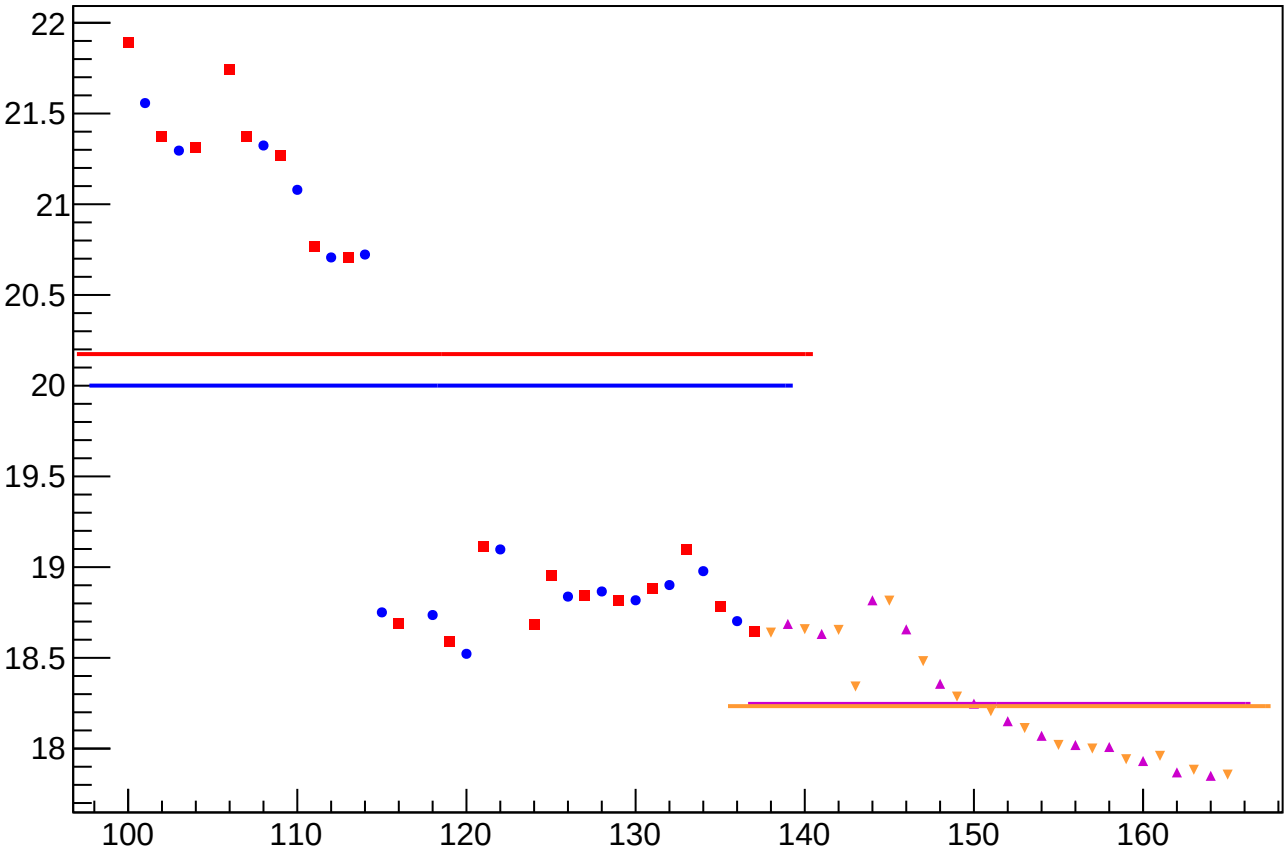
Left In: 0.069+/-0.000 χ^2/NDF:472904.9/12

+ sign 0.071+/-0.000 χ^2/NDF: 1623980.5/30

All: 0.073+/-0.000 χ^2/NDF: 3278550.5/62

- sign 0.074+/-0.000 χ^2/NDF: 1631364.9/31

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.234+/-0.000 χ^2/NDF:1043401434.1/14

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

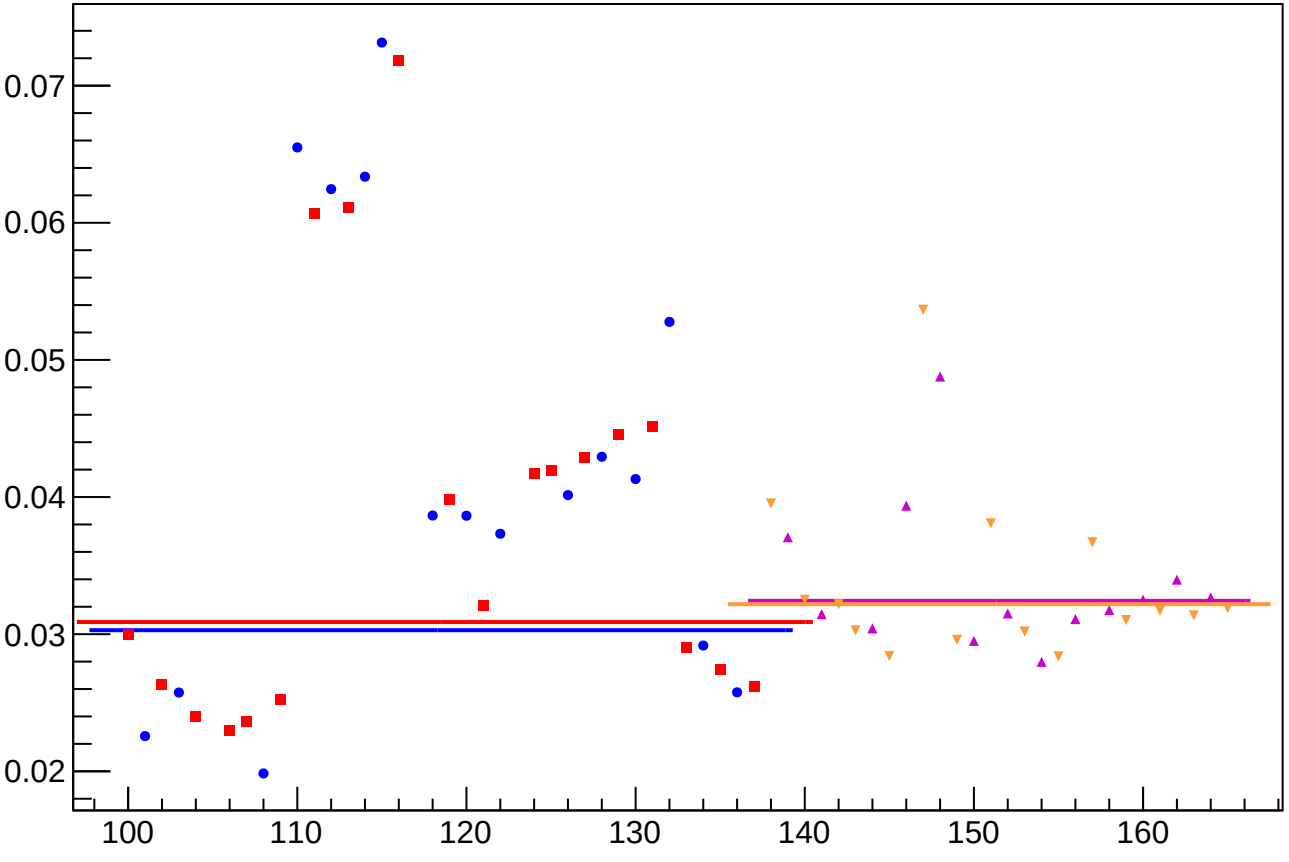
Left In: 18.246+/-0.000 χ^2/NDF:1019952583.7/12

+ sign 18.902+/-0.000 χ^2/NDF: 24538012022.0/30

All: 18.957+/-0.000 χ^2/NDF: 50659630569.4

- sign 19.015+/-0.000 χ^2/NDF: 26013759822.1/31

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:454136.1/14

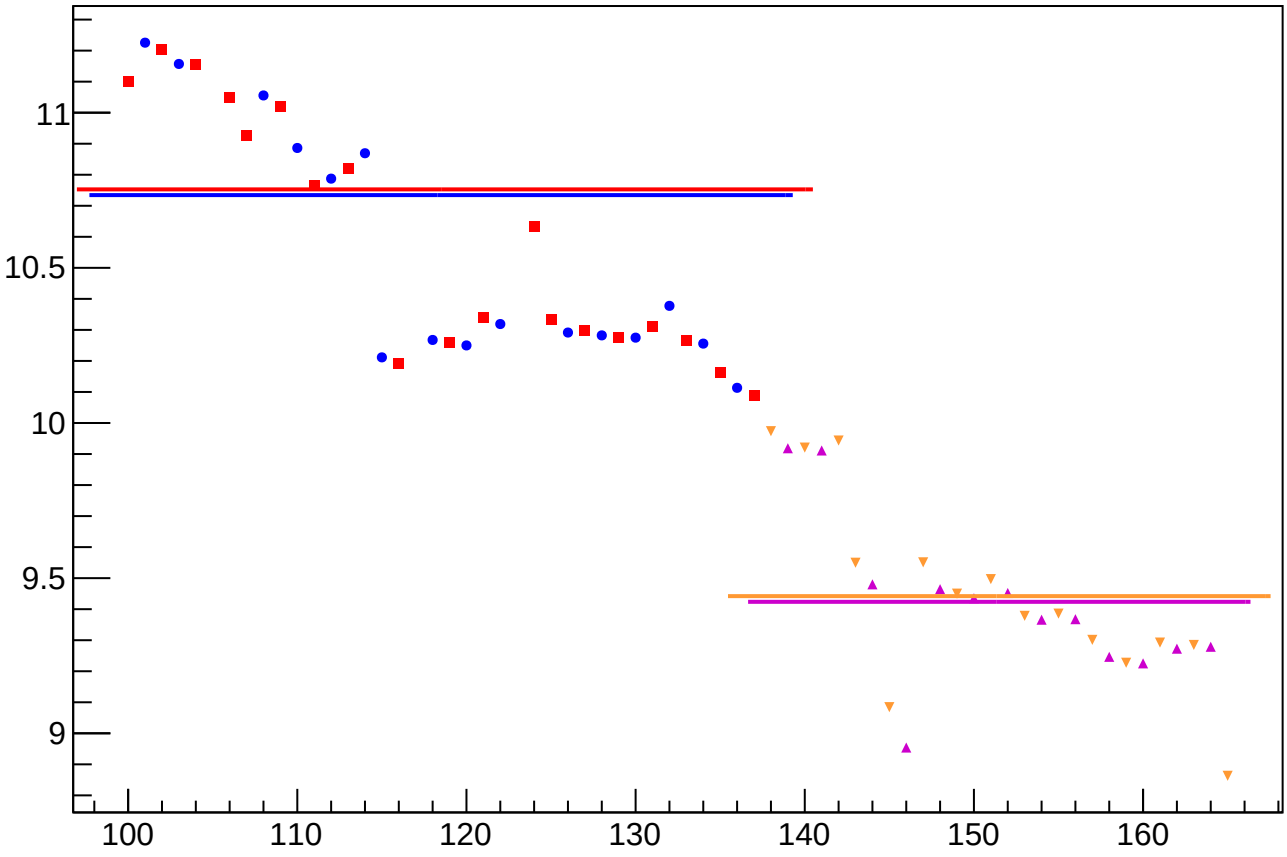
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:332118.9/12

+ sign 0.031+/-0.000 χ^2/NDF: 1930609.9/30

All: 0.032+/-0.000 χ^2/NDF: 3488108.8/62

- sign 0.032+/-0.000 χ^2/NDF: 1555514.9/31



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.442+/-0.000 χ^2/NDF:2279115556.1/14

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

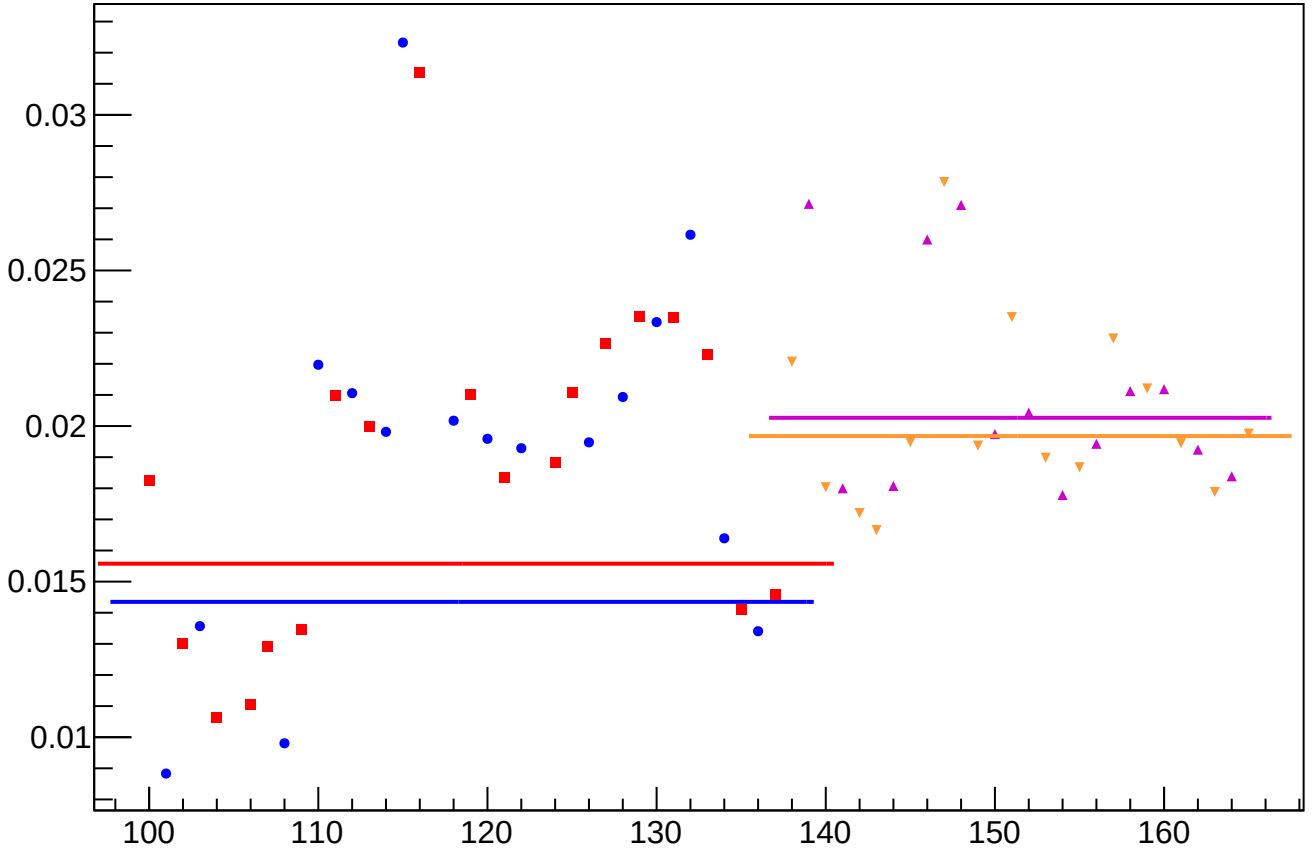
Left In: 9.424+/-0.000 χ^2/NDF:1356484224.3/12

+ sign 10.090+/-0.000 χ^2/NDF: 31146526126.3/30

All: 10.098+/-0.000 χ^2/NDF: 58736771933.0

- sign 10.107+/-0.000 χ^2/NDF: 27582545841.6/31

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:330296.4/14

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

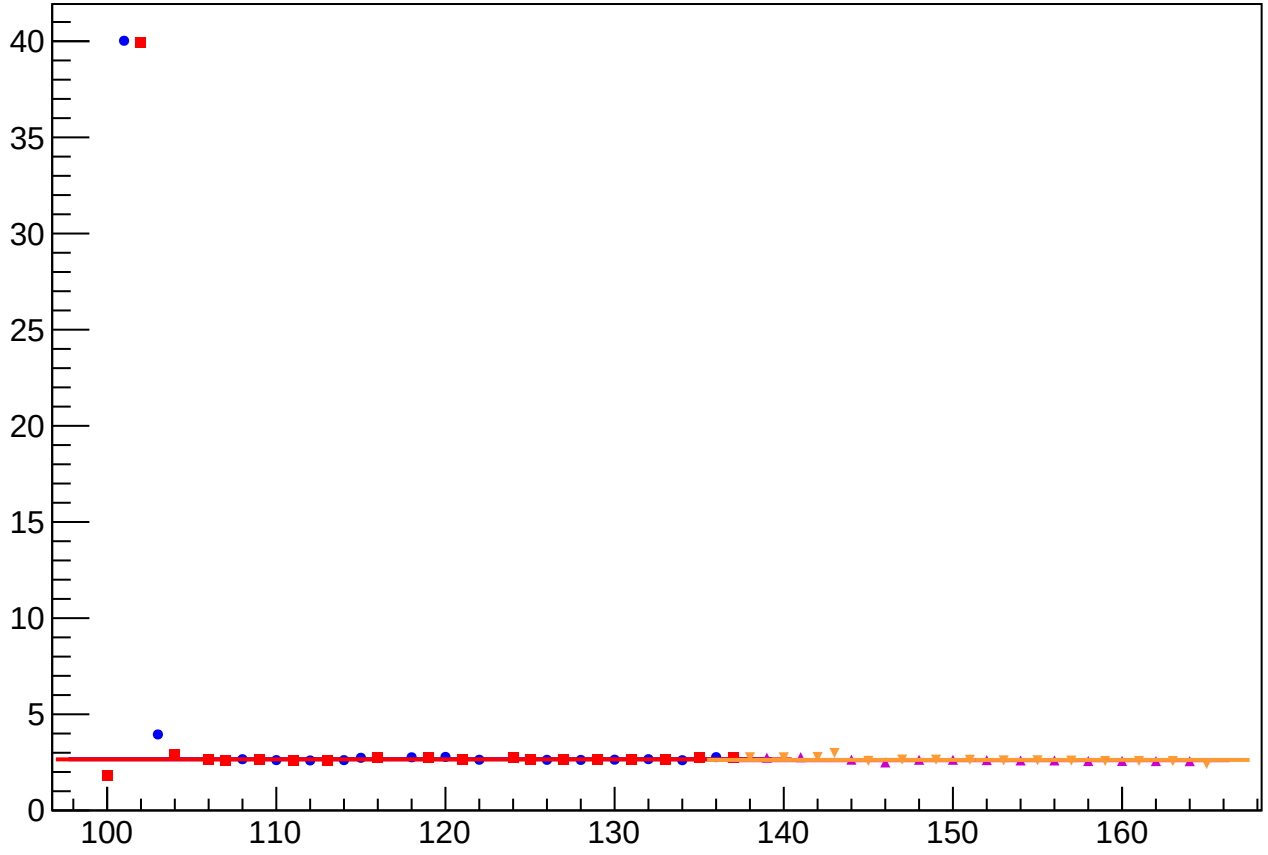
Left In: 0.020+/-0.000 χ^2/NDF:391647.5/12

+ sign 0.017+/-0.000 χ^2/NDF: 2594069.9/30

All: 0.017+/-0.000 χ^2/NDF: 4639613.6/62

- sign 0.018+/-0.000 χ^2/NDF: 2008095.8/31

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.628+/-0.000 χ^2/NDF:26290356847.3/14

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

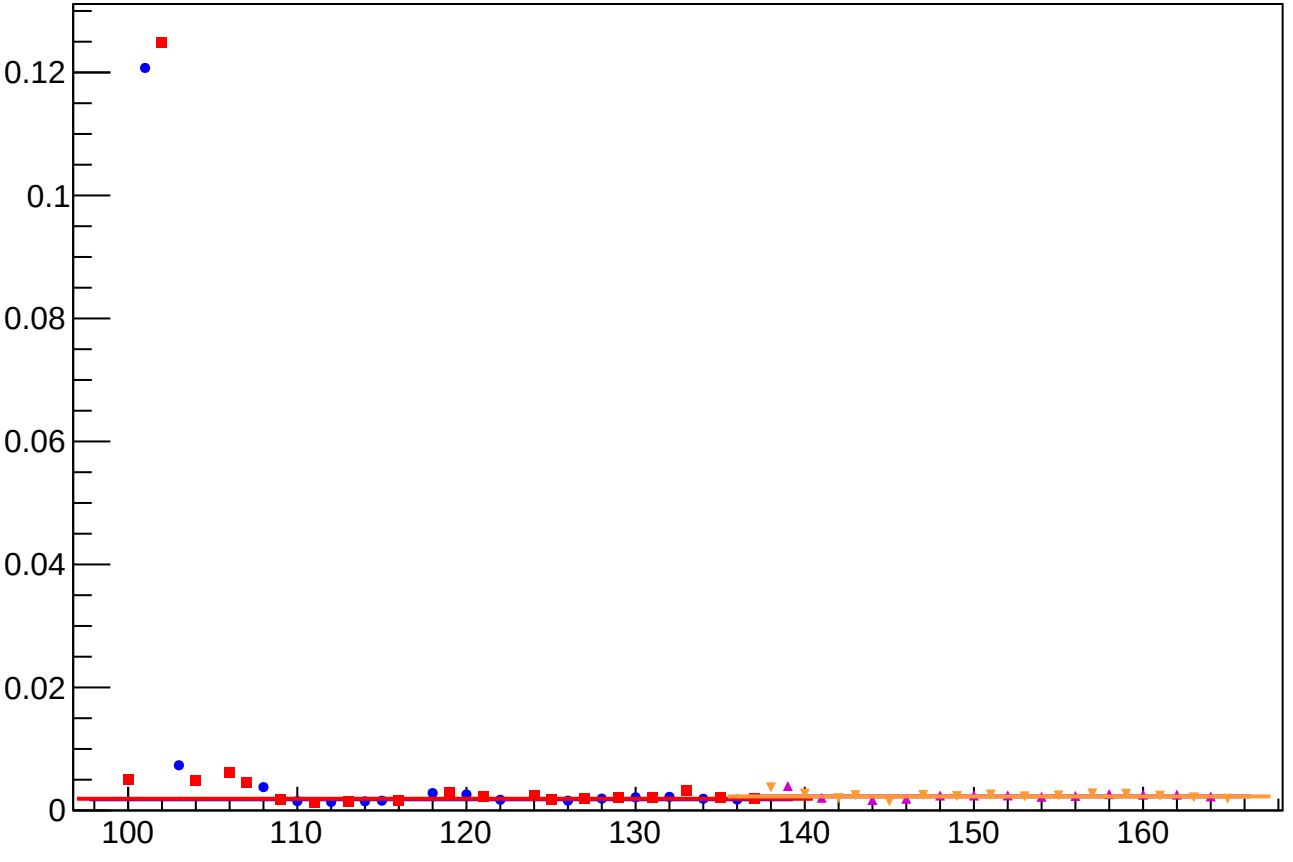
Left In: 2.614+/-0.000 χ^2/NDF:8651667831.0/12

+ sign 2.644+/-0.000 χ^2/NDF: 95174064600.3/30

All: 2.639+/-0.000 χ^2/NDF: 170460893402.6

- sign 2.633+/-0.000 χ^2/NDF: 75109534156.6/31

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:786839.3/14

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

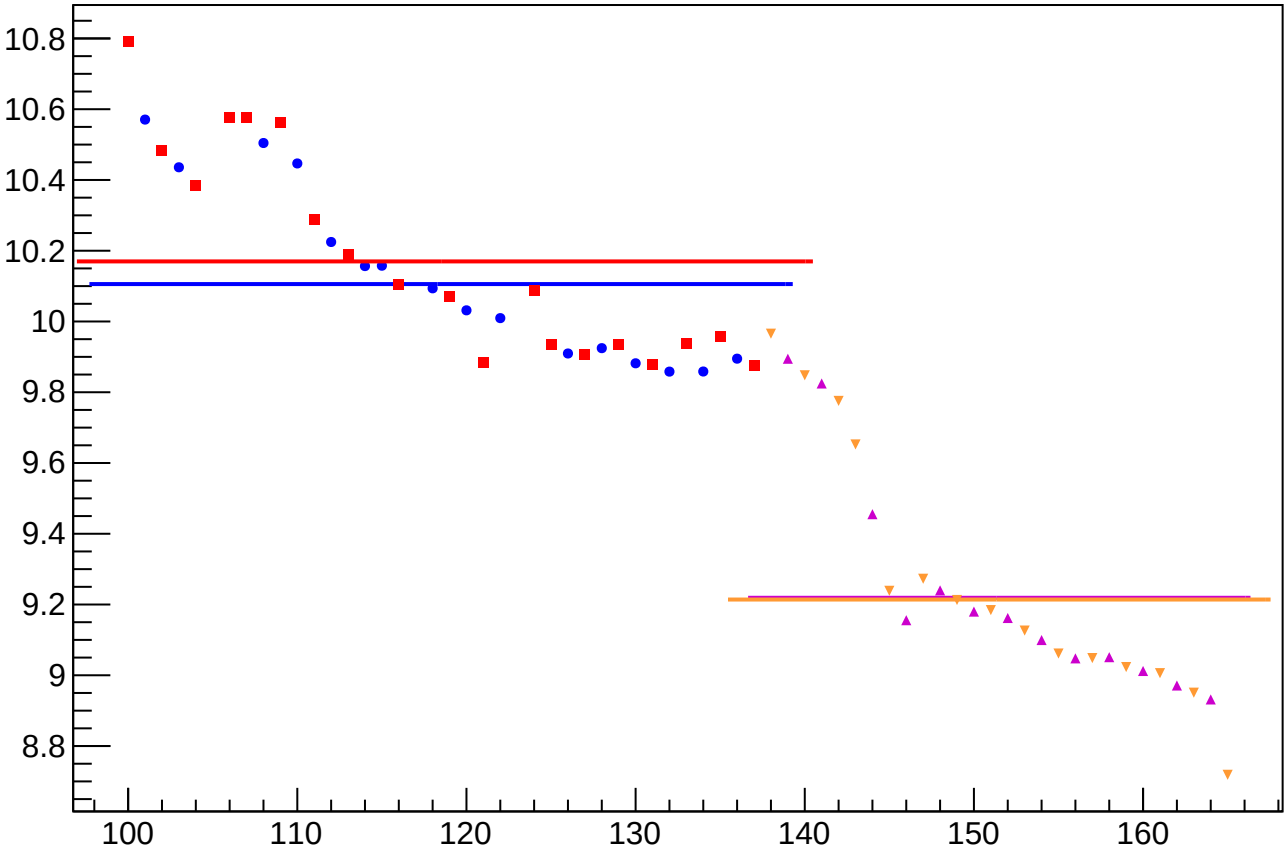
Left In: 0.002+/-0.000 χ^2/NDF:606711.3/12

+ sign 0.002+/-0.000 χ^2/NDF: 2953812.1/30

All: 0.002+/-0.000 χ^2/NDF: 6319817.3/62

- sign 0.002+/-0.000 χ^2/NDF: 3361375.3/31

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.214+/-0.000 χ^2/NDF:21642780263.1/14

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

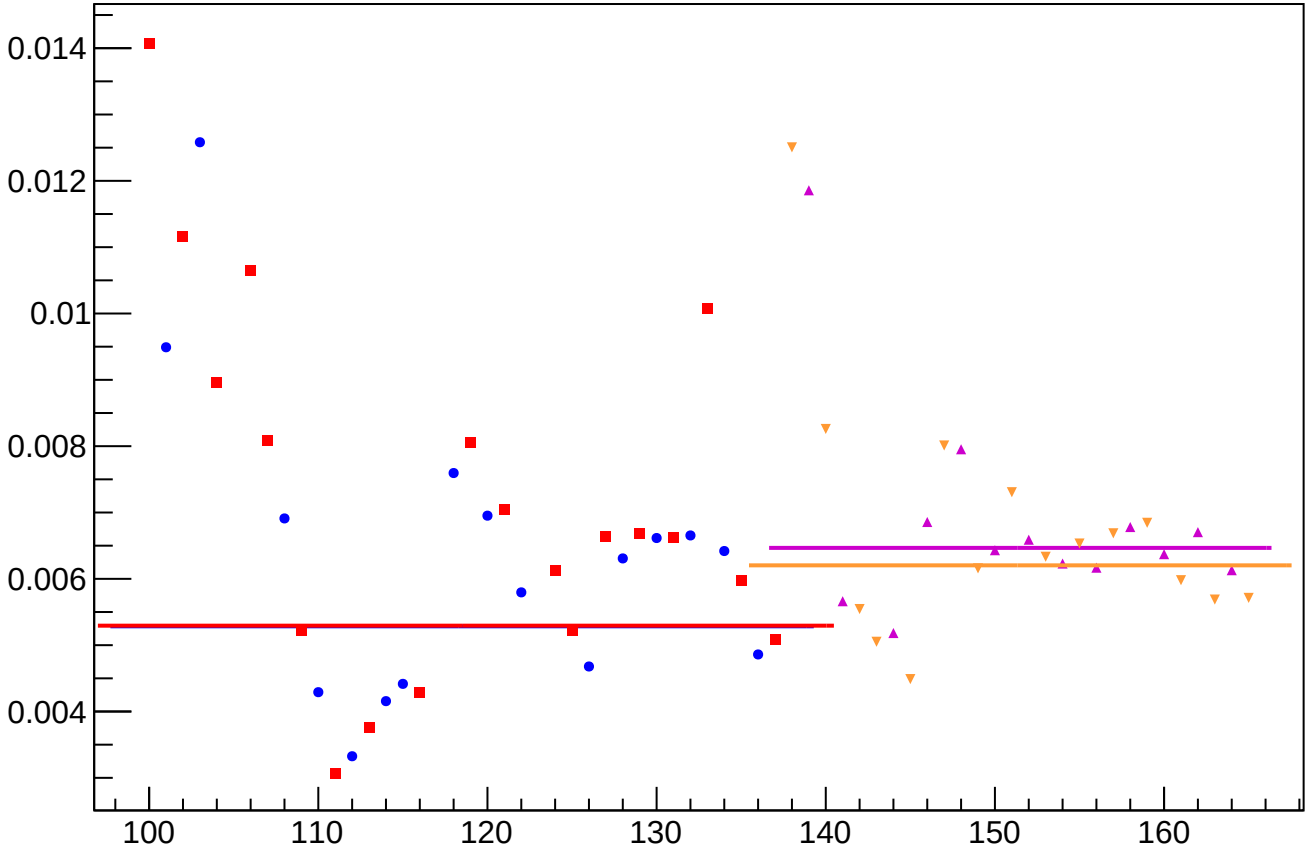
Left In: 9.219+/-0.000 χ^2/NDF:15075498949.1/12

+ sign 9.611+/-0.000 χ^2/NDF: 116153531548.5/30

All: 9.644+/-0.000 χ^2/NDF: 233226585263.5

- sign 9.679+/-0.000 χ^2/NDF: 116095814230.4/31

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:825191.4/14

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

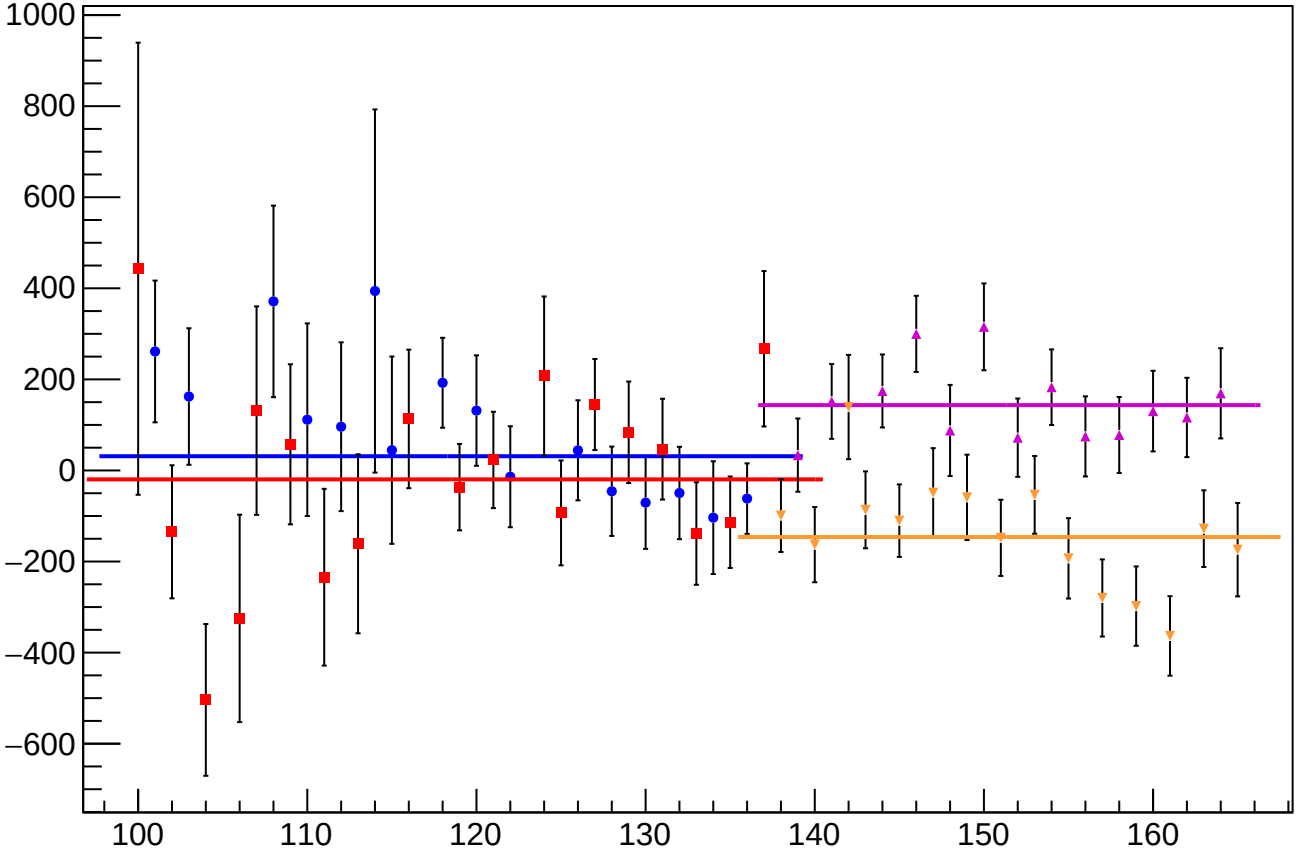
Left In: 0.006+/-0.000 χ^2/NDF:500356.7/12

+ sign 0.006+/-0.000 χ^2/NDF: 2280713.0/30

All: 0.006+/-0.000 χ^2/NDF: 4857503.7/62

- sign 0.006+/-0.000 χ^2/NDF: 2572173.1/31

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.172+/-22.686 χ^2/NDF:22.5/14

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

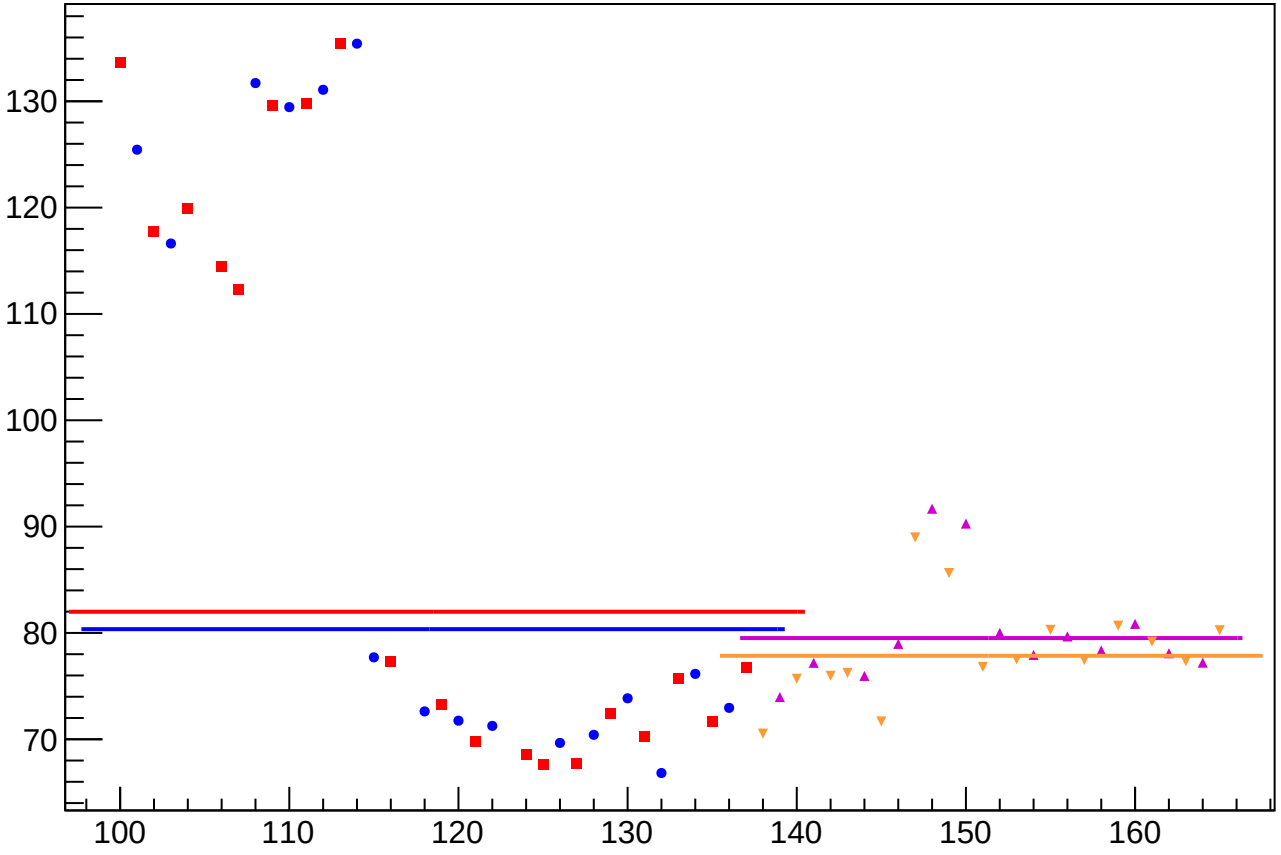
Left In: 143.433+/-24.070 χ^2/NDF:11.4/12

+ sign -83.734+/-18.263 χ^2/NDF: 59.1/30

All: -4.126+/-13.175 χ^2/NDF: 153.2/62

- sign 82.266+/-19.026 χ^2/NDF: 54.5/31

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.851+/-0.016 χ^2/NDF:76724.0/14

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

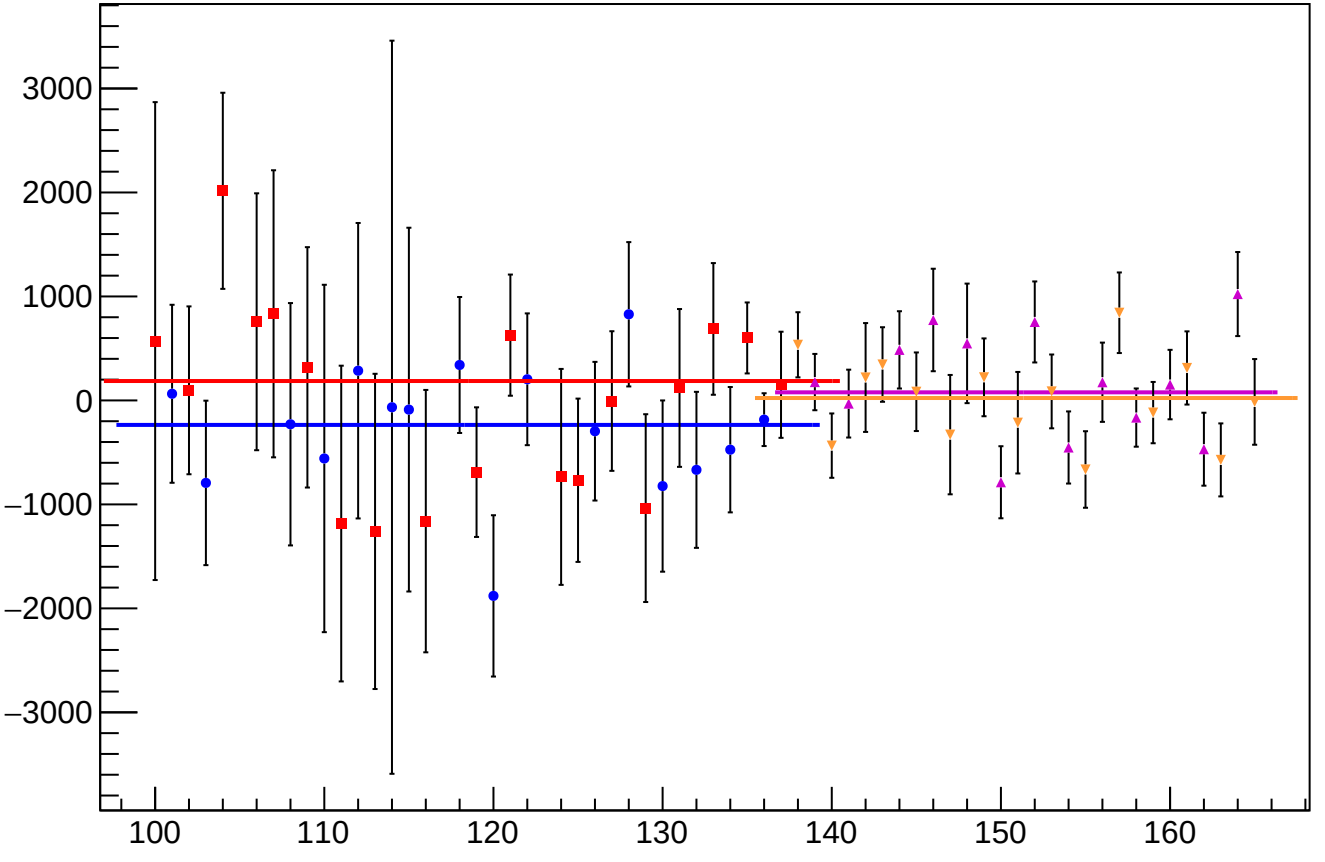
Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

+ sign 78.732+/-0.013 χ^2/NDF: 925332.3/30

All: 79.554+/-0.009 χ^2/NDF: 1947544.7/62

- sign 80.446+/-0.013 χ^2/NDF: 1013760.7/31

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 23.135+/-95.785 χ^2/NDF:18.5/14

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

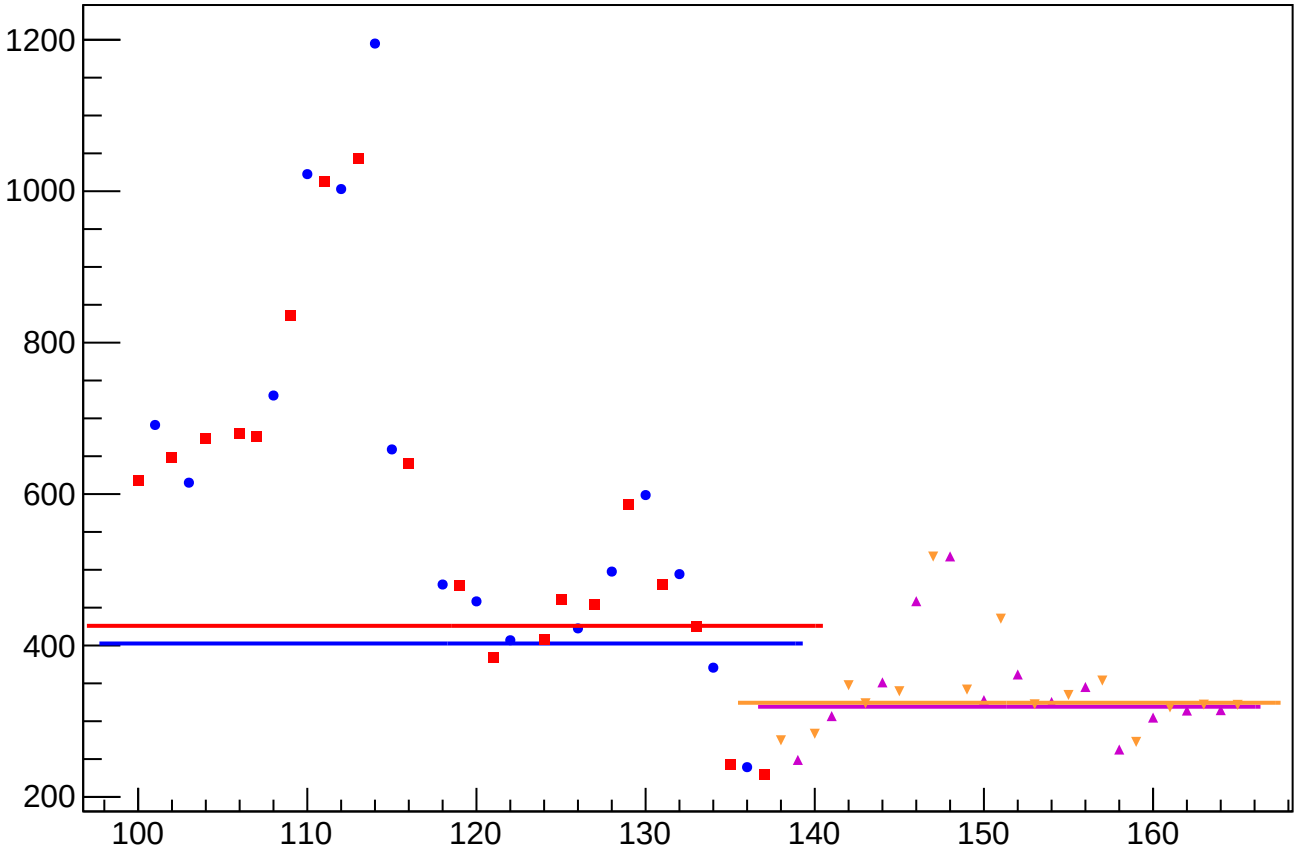
Left In: 77.786+/-98.299 χ^2/NDF:24.5/12

+ sign -42.796+/-82.681 χ^2/NDF: 30.3/30

All: 28.912+/-59.317 χ^2/NDF: 72.6/62

- sign 104.961+/-85.147 χ^2/NDF: 40.7/31

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 324.387+/-0.068 χ^2/NDF:501735.9/14

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

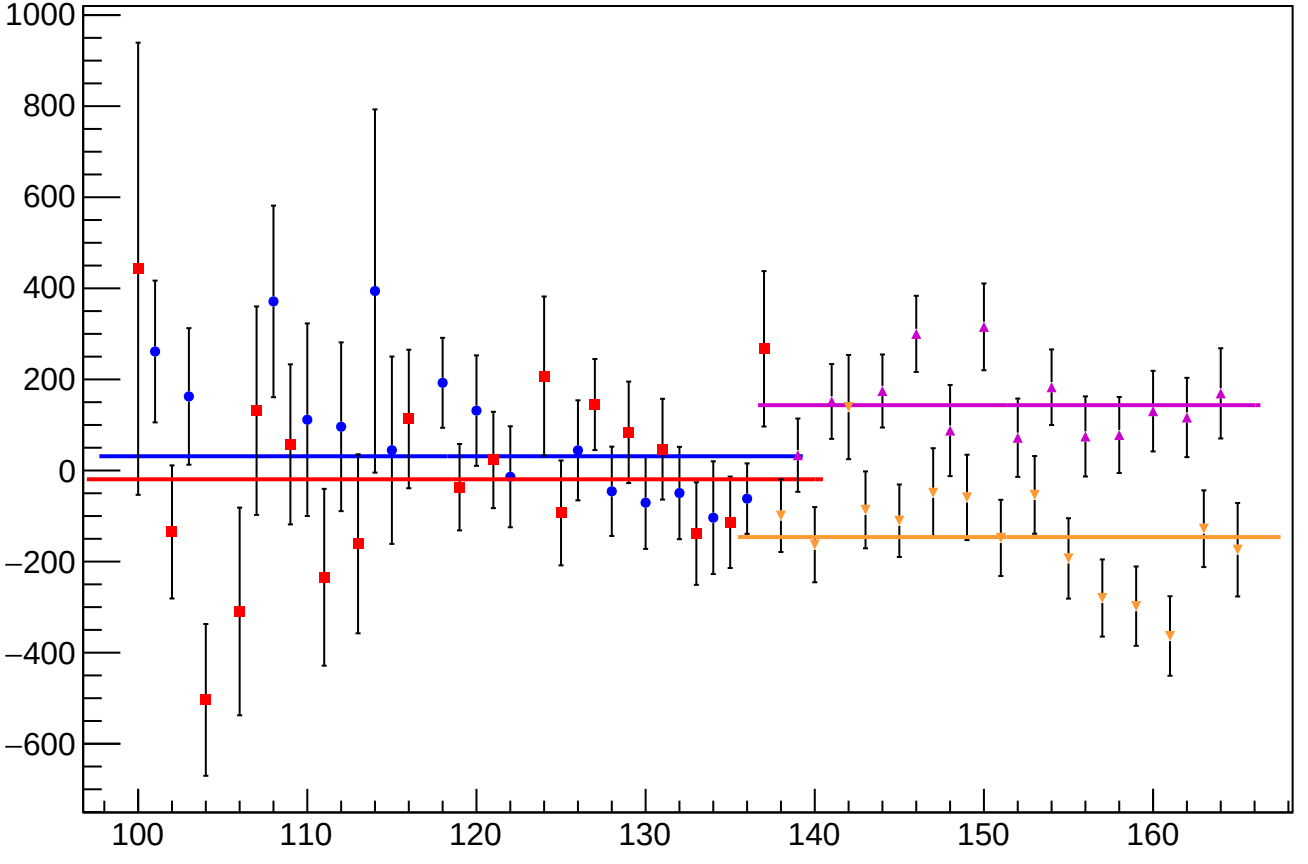
Left In: 319.163+/-0.070 χ^2/NDF:672099.6/12

+ sign 344.339+/-0.058 χ^2/NDF: 3202233.4/30

All: 345.065+/-0.042 χ^2/NDF: 6833140.6/62

- sign 345.836+/-0.060 χ^2/NDF: 3630588.8/31

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.168+/-22.686 χ^2/NDF:22.5/14

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

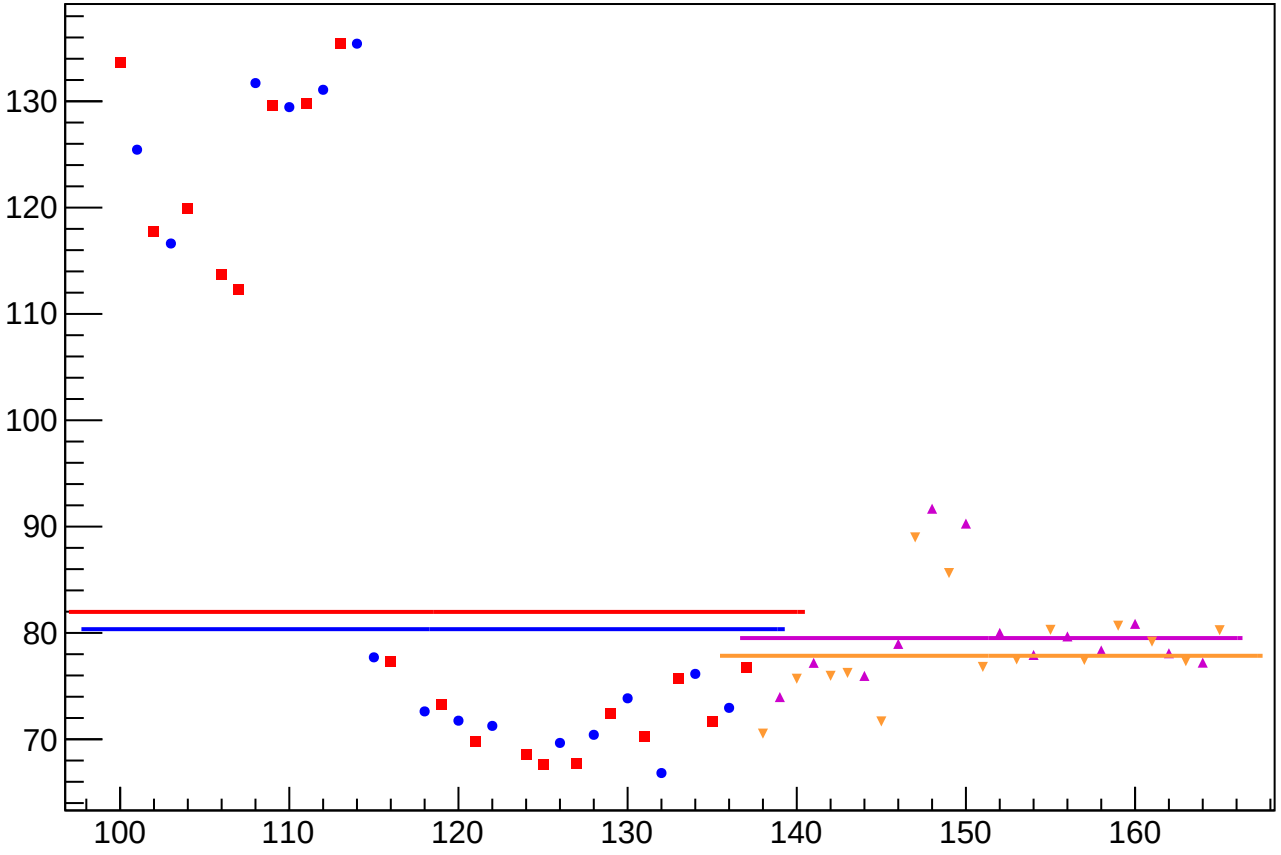
Left In: 143.436+/-24.070 χ^2/NDF:11.4/12

+ sign -83.728+/-18.263 χ^2/NDF: 59.1/30

All: -4.069+/-13.175 χ^2/NDF: 153.0/62

- sign 82.380+/-19.026 χ^2/NDF: 54.3/31

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.851+/-0.016 χ^2/NDF:76724.0/14

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

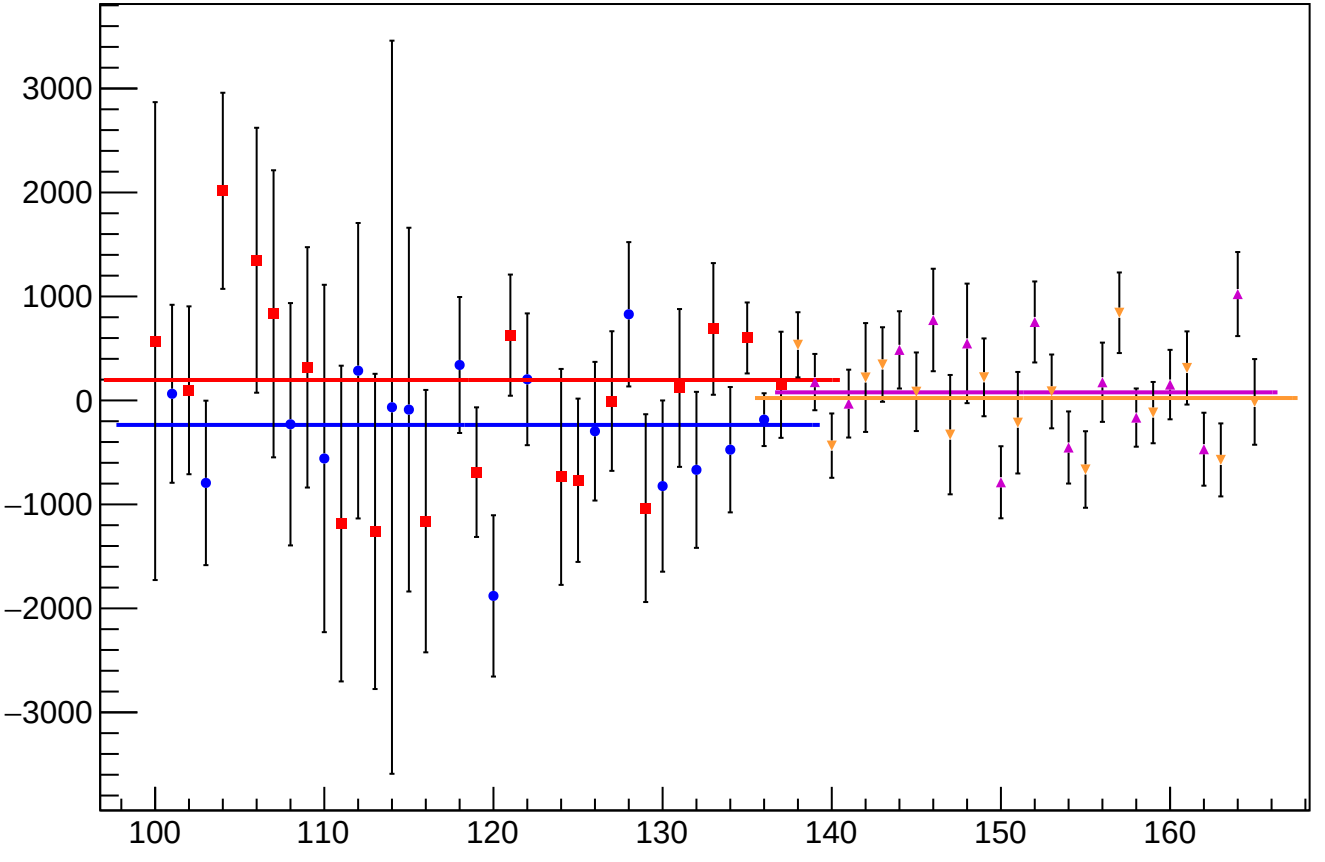
Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

+ sign 78.732+/-0.013 χ^2/NDF: 925332.5/30

All: 79.551+/-0.009 χ^2/NDF: 1945521.2/62

- sign 80.440+/-0.013 χ^2/NDF: 1011793.0/31

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 23.137+/-95.785 χ^2/NDF:18.5/14

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

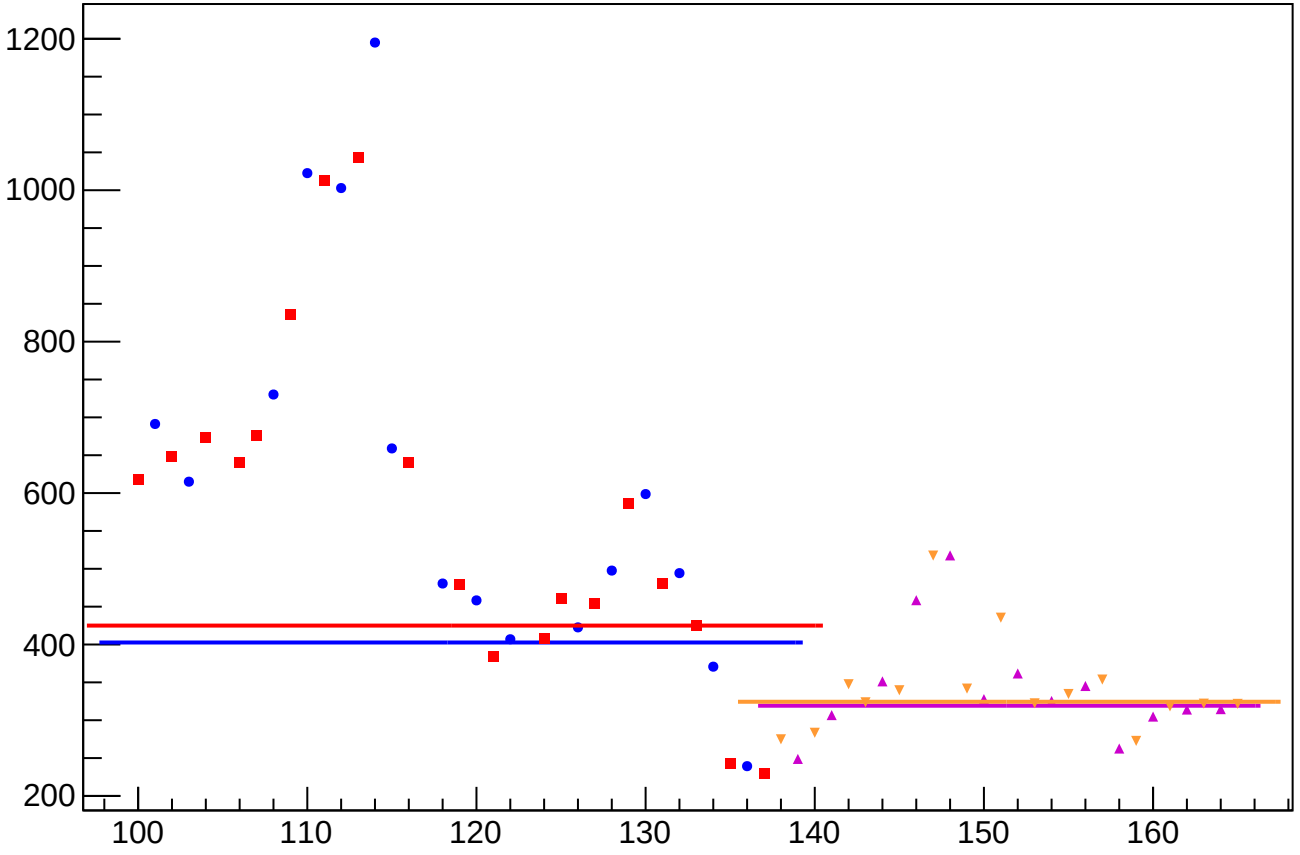
Left In: 77.791+/-98.300 χ^2/NDF:24.5/12

+ sign -42.795+/-82.681 χ^2/NDF: 30.3/30

All: 30.099+/-59.321 χ^2/NDF: 73.3/62

- sign 107.427+/-85.159 χ^2/NDF: 41.4/31

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.387+/-0.068 χ^2/NDF:501743.1/14

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

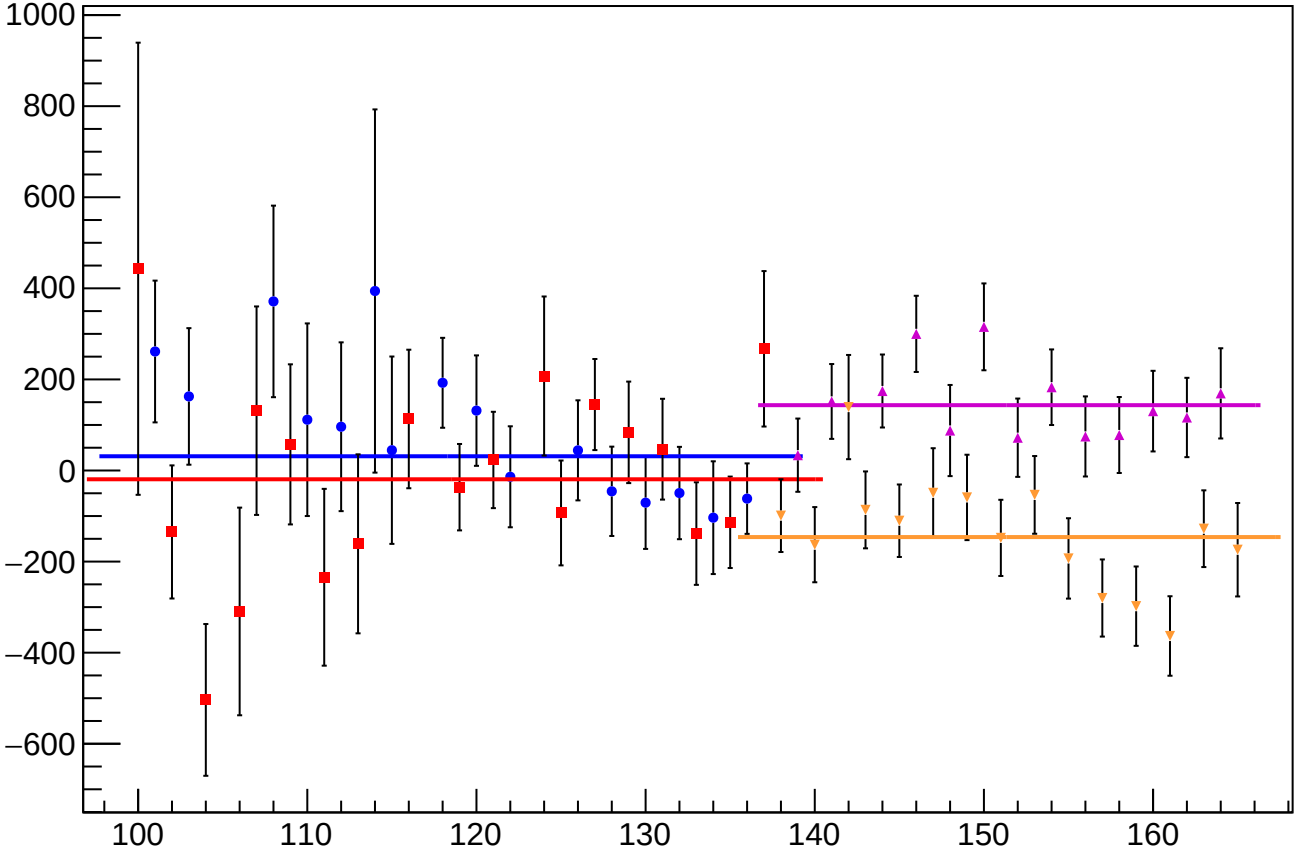
Left In: 319.164+/-0.070 χ^2/NDF:672100.2/12

\+ sign 344.339+/-0.058 χ^2/NDF: 3202239.0/30

All: 344.934+/-0.042 χ^2/NDF: 6793873.8/62

\- sign 345.566+/-0.060 χ^2/NDF: 3591421.0/31

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.168+/-22.686 χ^2/NDF:22.5/14

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

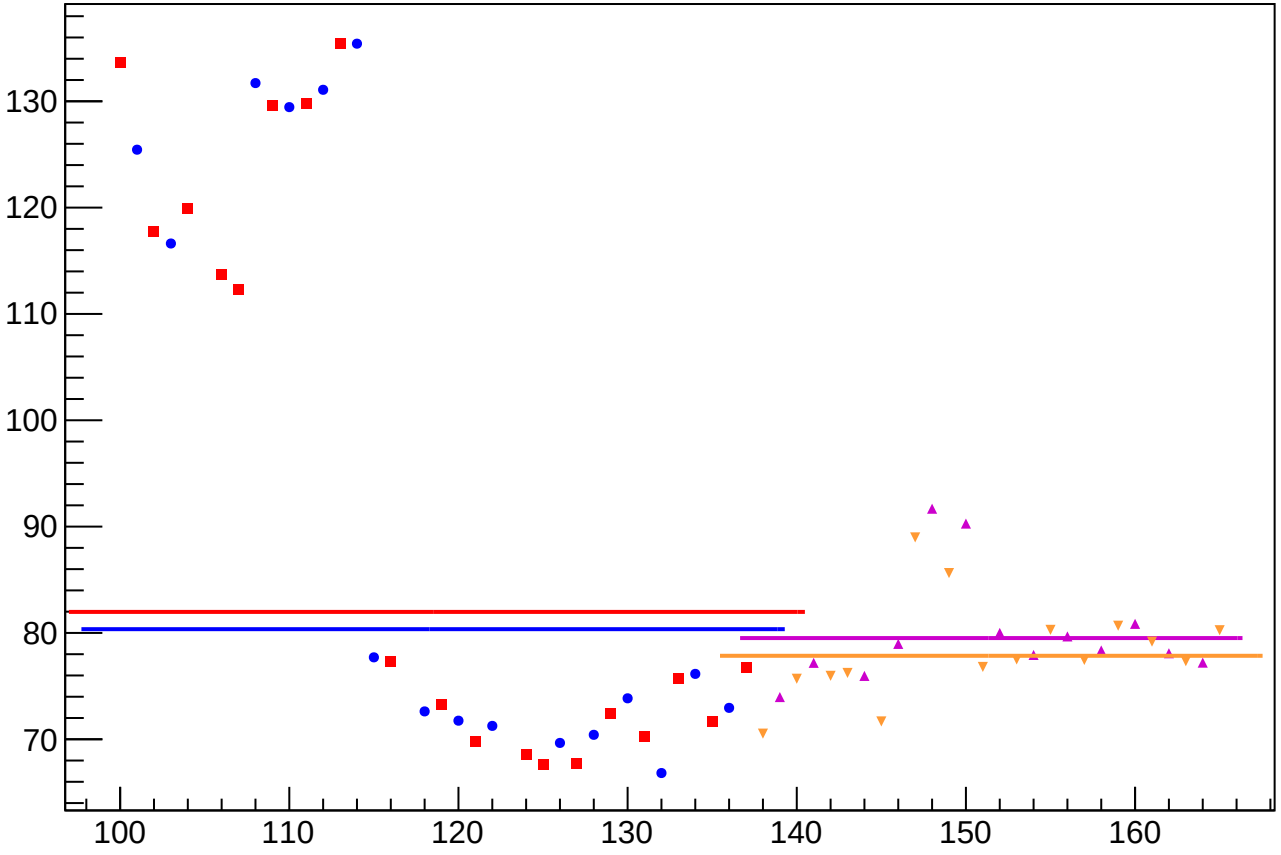
Left In: 143.436+/-24.070 χ^2/NDF:11.4/12

+ sign -83.728+/-18.263 χ^2/NDF: 59.1/30

All: -4.069+/-13.175 χ^2/NDF: 153.0/62

- sign 82.380+/-19.026 χ^2/NDF: 54.3/31

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.851+/-0.016 χ^2/NDF:76724.0/14

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

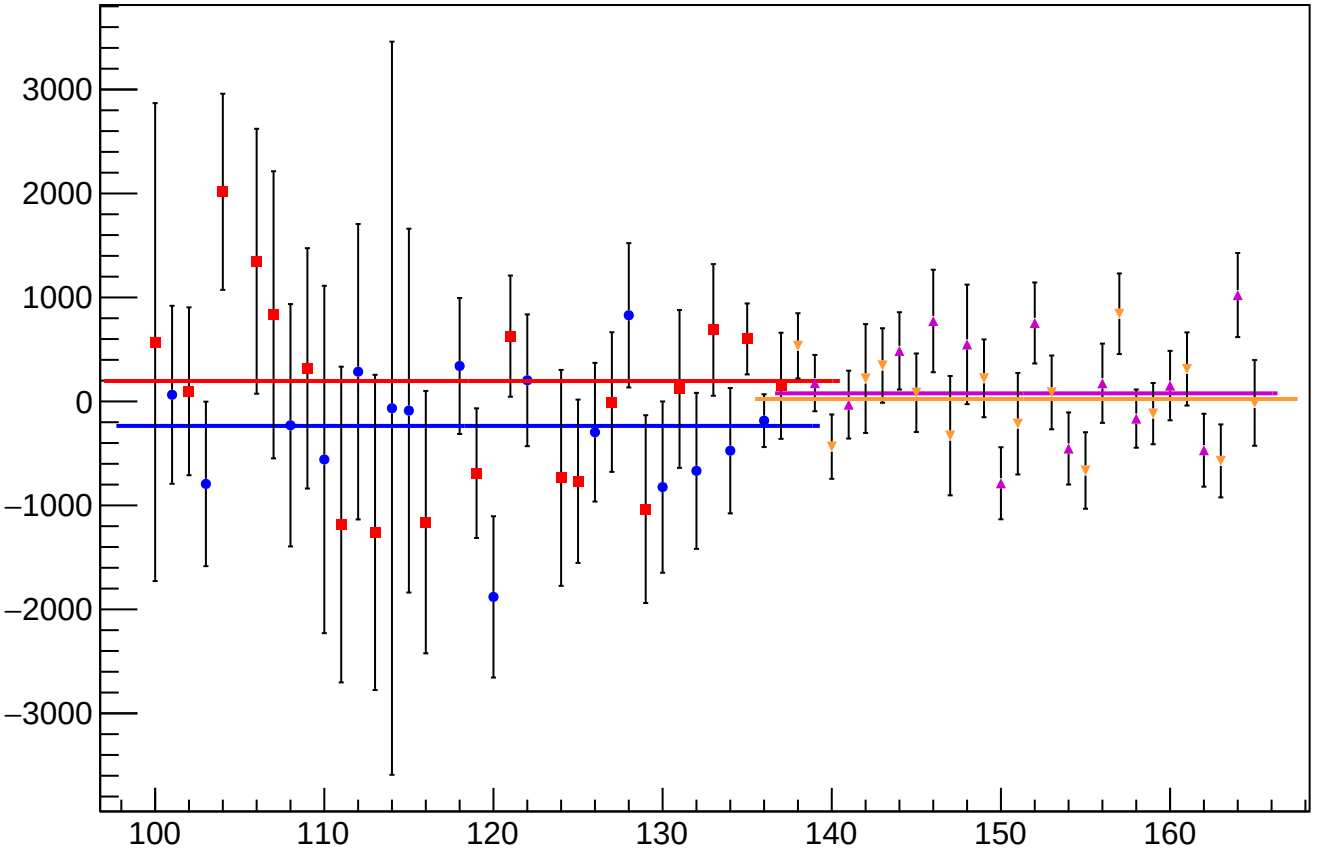
Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

+ sign 78.732+/-0.013 χ^2/NDF: 925332.5/30

All: 79.551+/-0.009 χ^2/NDF: 1945521.2/62

- sign 80.440+/-0.013 χ^2/NDF: 1011793.0/31

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 23.137+/-95.785 χ^2/NDF:18.5/14

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

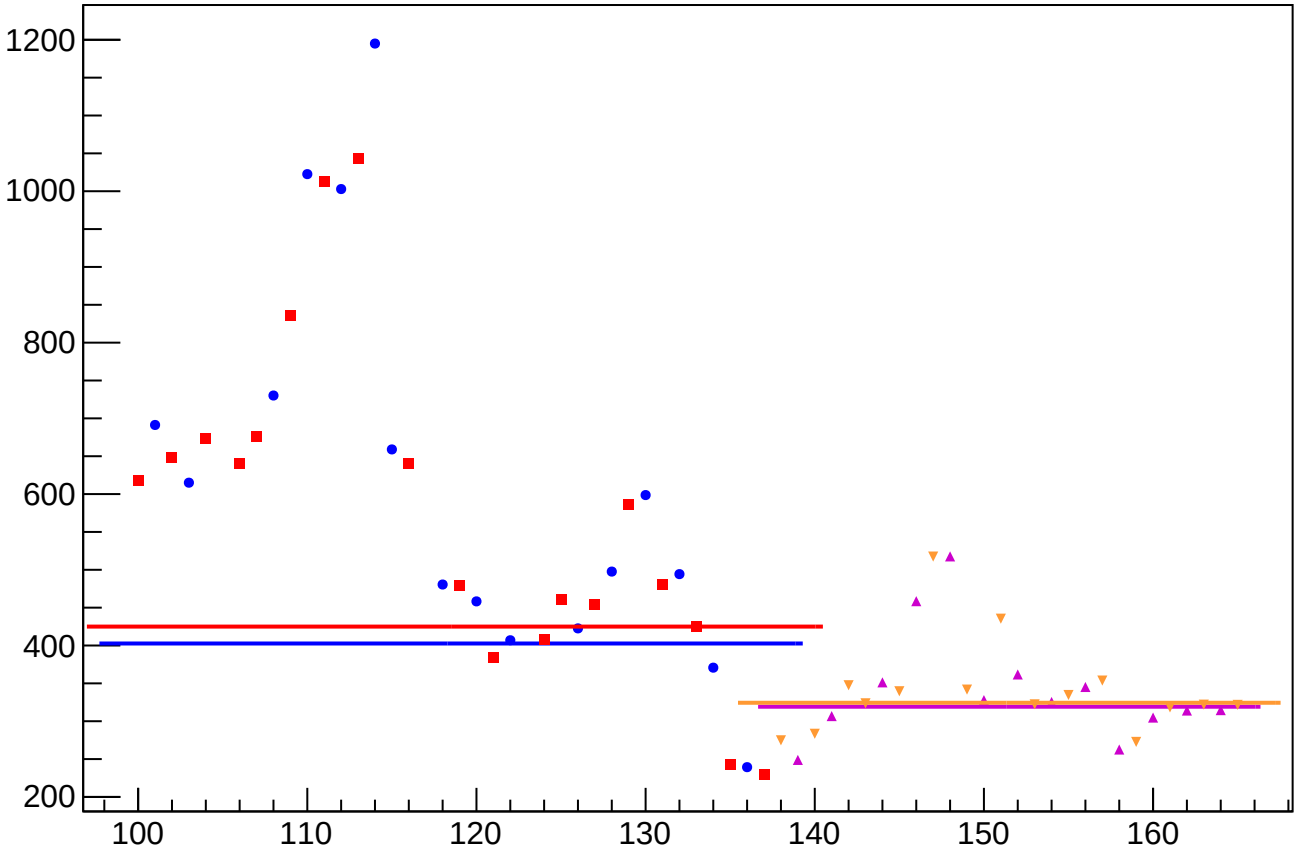
Left In: 77.791+/-98.300 χ^2/NDF:24.5/12

+ sign -42.795+/-82.681 χ^2/NDF: 30.3/30

All: 30.099+/-59.321 χ^2/NDF: 73.3/62

- sign 107.427+/-85.159 χ^2/NDF: 41.4/31

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.387+/-0.068 χ^2/NDF:501743.1/14

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

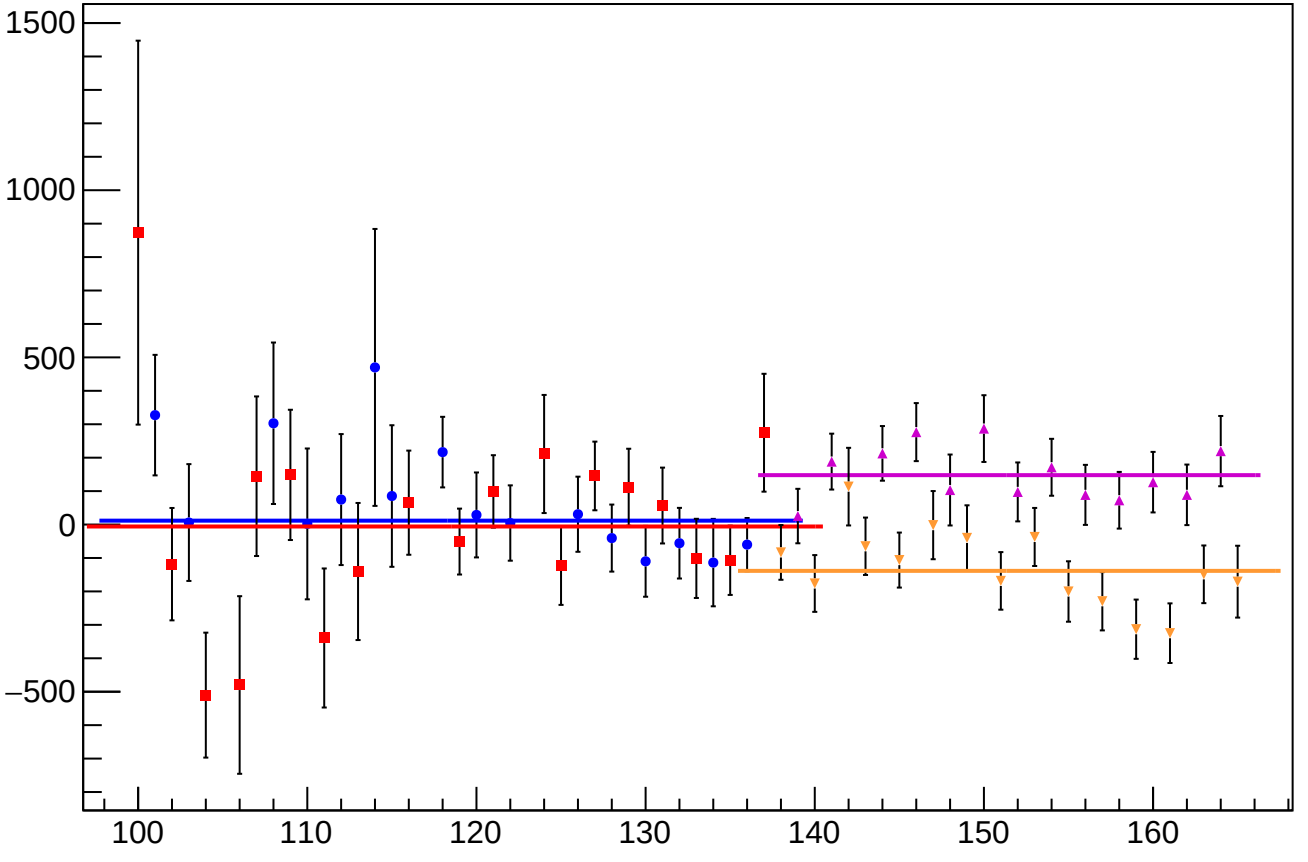
Left In: 319.164+/-0.070 χ^2/NDF:672100.2/12

+ sign 344.339+/-0.058 χ^2/NDF: 3202239.0/30

All: 344.934+/-0.042 χ^2/NDF: 6793873.8/62

- sign 345.566+/-0.060 χ^2/NDF: 3591421.0/31

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -138.524+/-23.296 χ^2/NDF:20.5/14

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

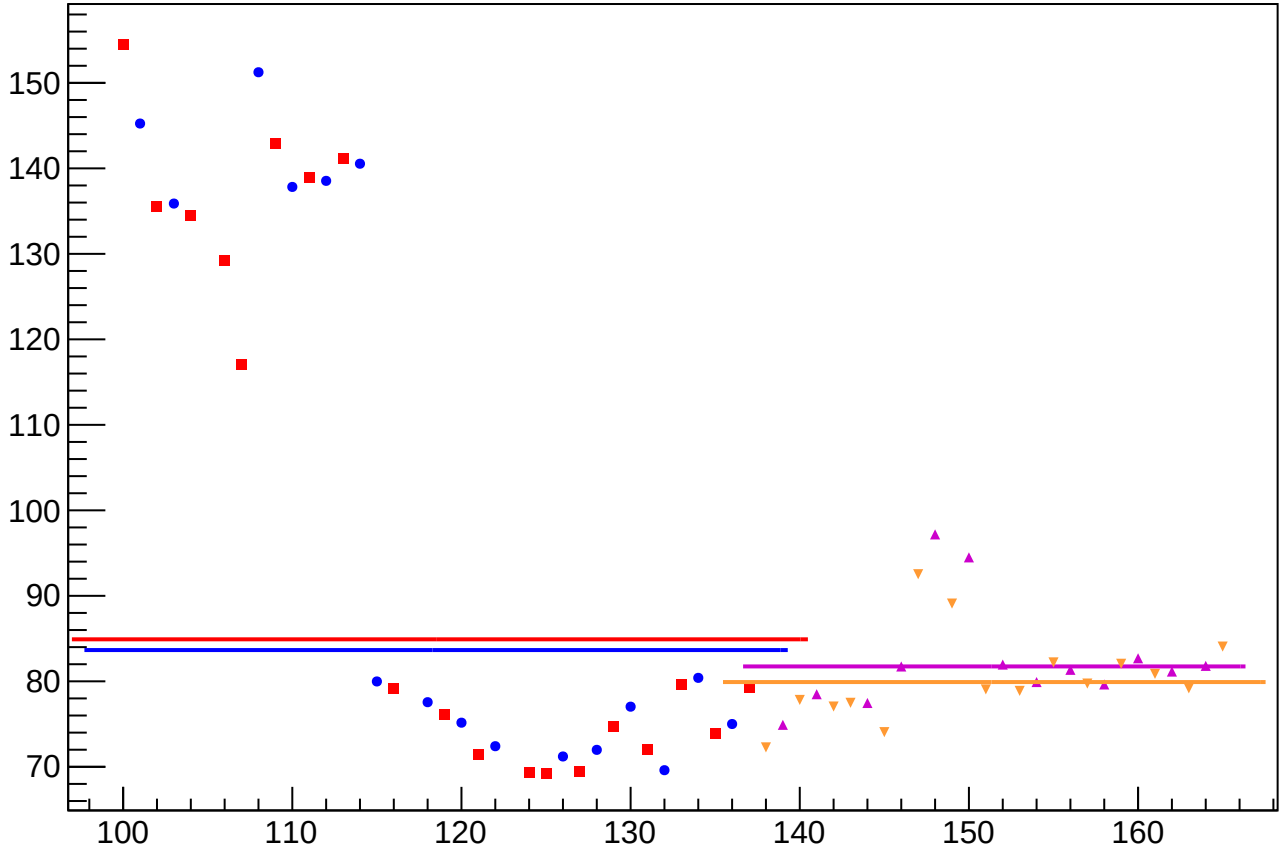
Left In: 147.761+/-24.769 χ^2/NDF:10.0/12

+ sign -87.130+/-18.894 χ^2/NDF: 48.2/30

All: -1.626+/-13.632 χ^2/NDF: 143.9/62

- sign 91.211+/-19.687 χ^2/NDF: 52.9/31

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.914+/-0.016 χ^2/NDF:86245.3/14

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

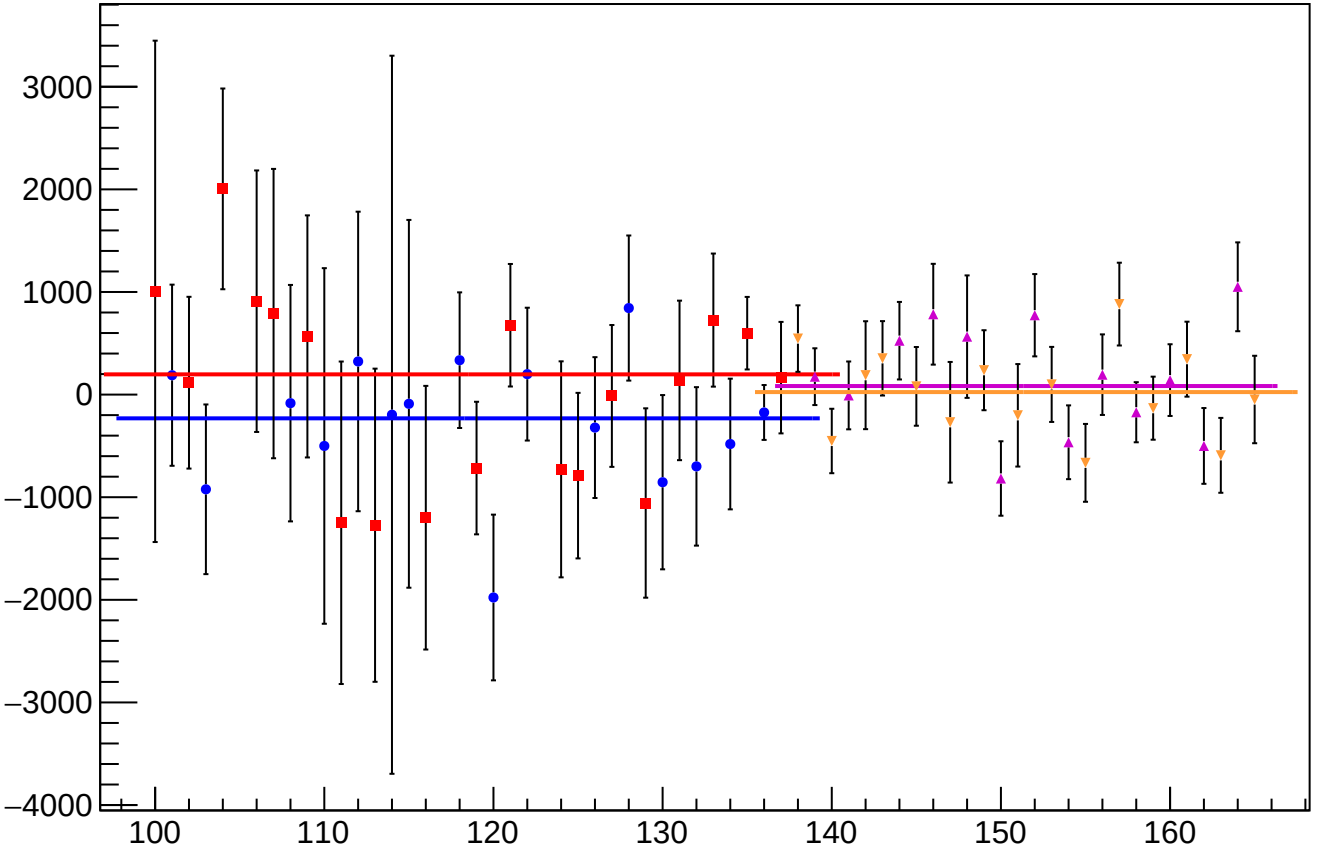
Left In: 81.742+/-0.018 χ^2/NDF:100127.3/12

+ sign 81.195+/-0.013 χ^2/NDF: 1138706.4/30

All: 82.017+/-0.010 χ^2/NDF: 2380468.7/62

- sign 82.910+/-0.014 χ^2/NDF: 1233866.3/31

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 24.502+/-98.603 χ^2/NDF:18.4/14

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

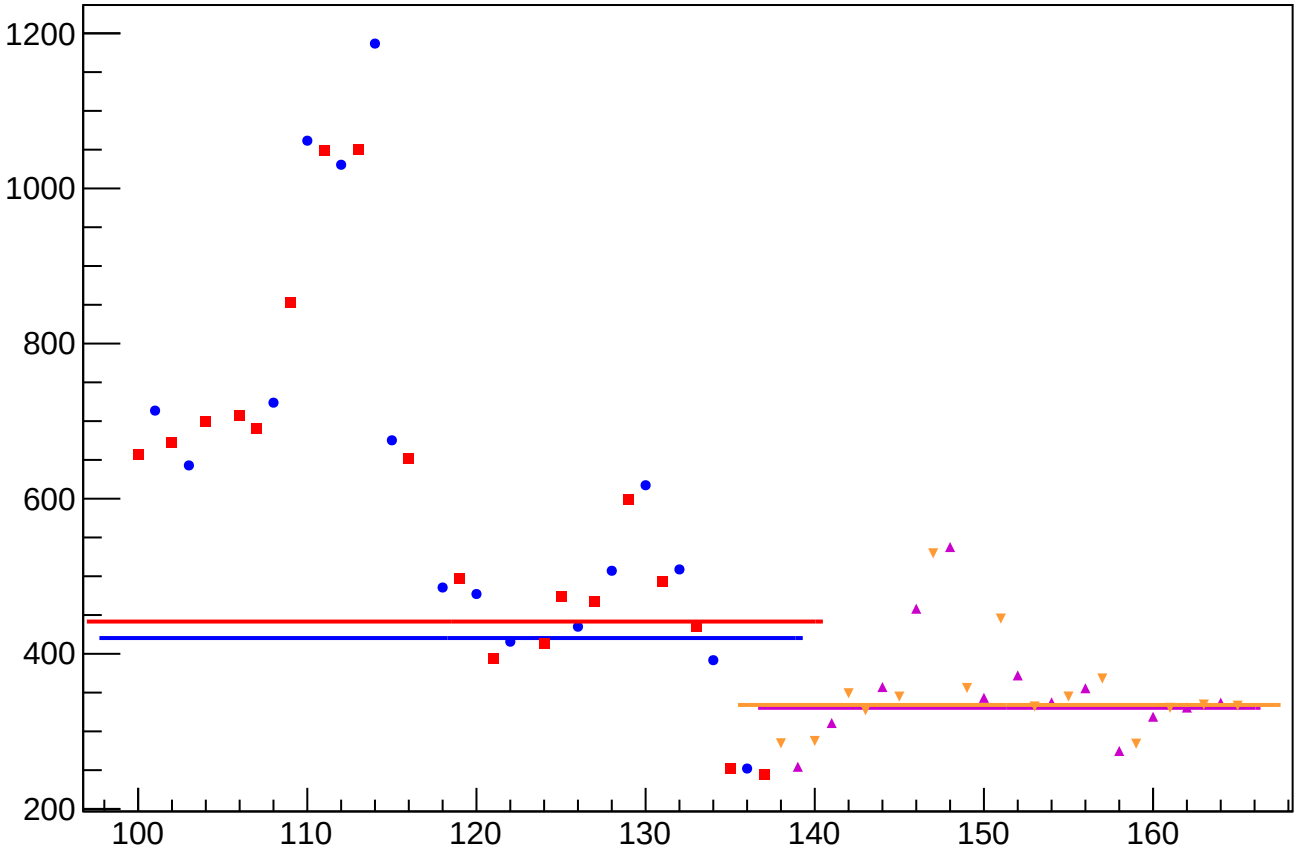
Left In: 83.450+/-101.676 χ^2/NDF:24.0/12

+ sign -39.843+/-85.311 χ^2/NDF: 30.5/30

All: 33.626+/-61.270 χ^2/NDF: 72.2/62

- sign 111.893+/-88.052 χ^2/NDF: 40.2/31

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 334.080+/-0.070 χ^2/NDF:490372.5/14

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

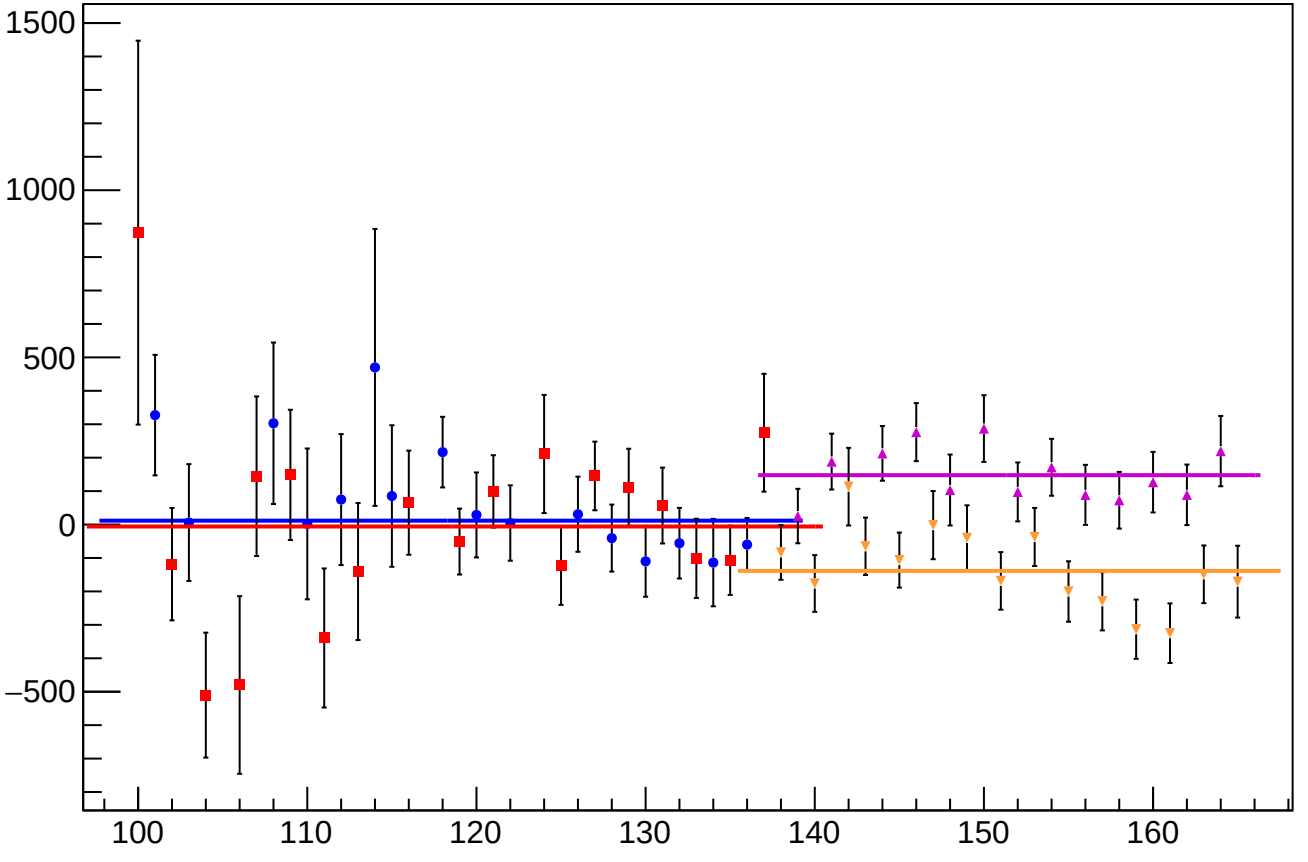
Left In: 330.386+/-0.072 χ^2/NDF:652904.4/12

\+ sign 355.766+/-0.060 χ^2/NDF: 3129745.2/30

All: 356.941+/-0.043 χ^2/NDF: 6689287.6/62

\- sign 358.193+/-0.062 χ^2/NDF: 3558758.8/31

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -138.523+/-23.296 χ^2/NDF:20.5/14

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

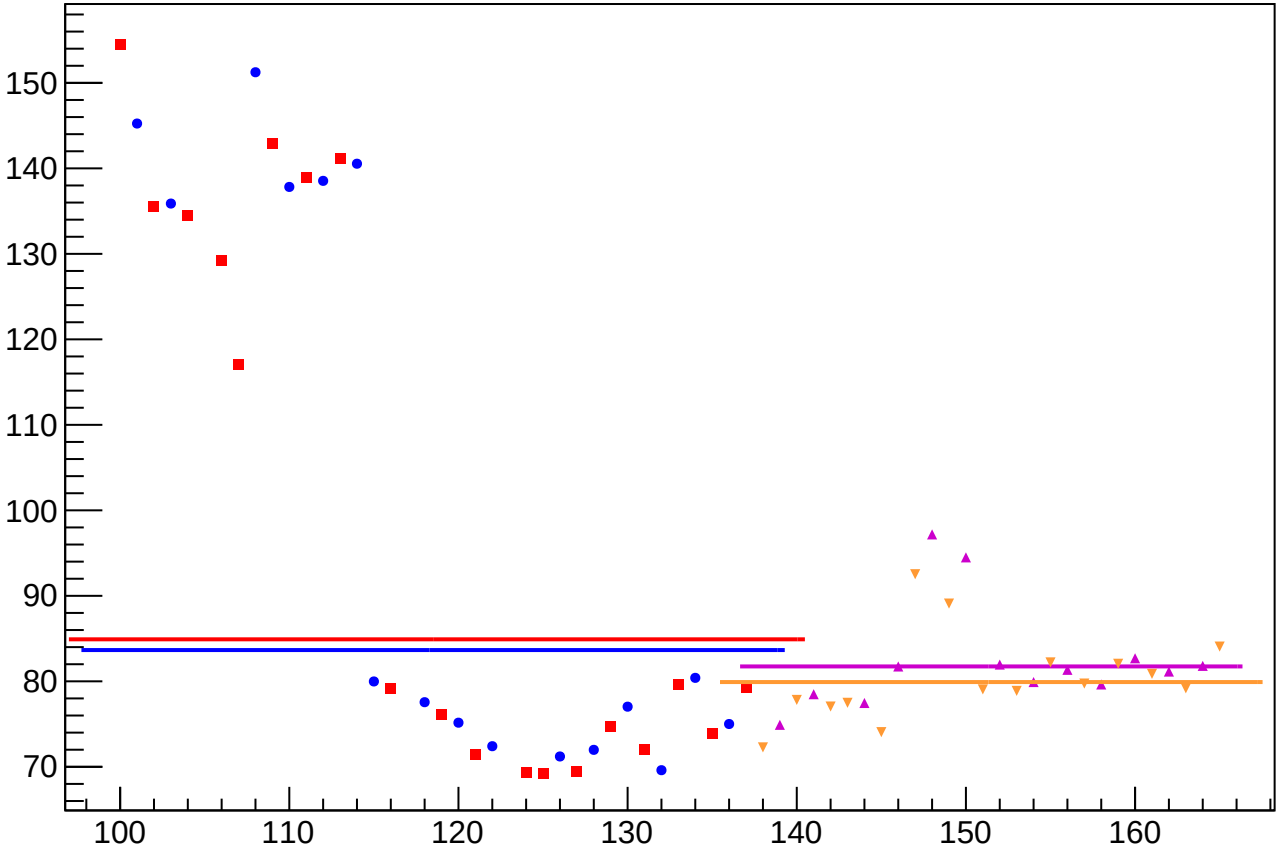
Left In: 147.762+/-24.769 χ^2/NDF:10.0/12

+ sign -87.129+/-18.894 χ^2/NDF: 48.2/30

All: -1.625+/-13.632 χ^2/NDF: 143.9/62

- sign 91.211+/-19.687 χ^2/NDF: 52.9/31

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.914+/-0.016 χ^2/NDF:86244.8/14

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

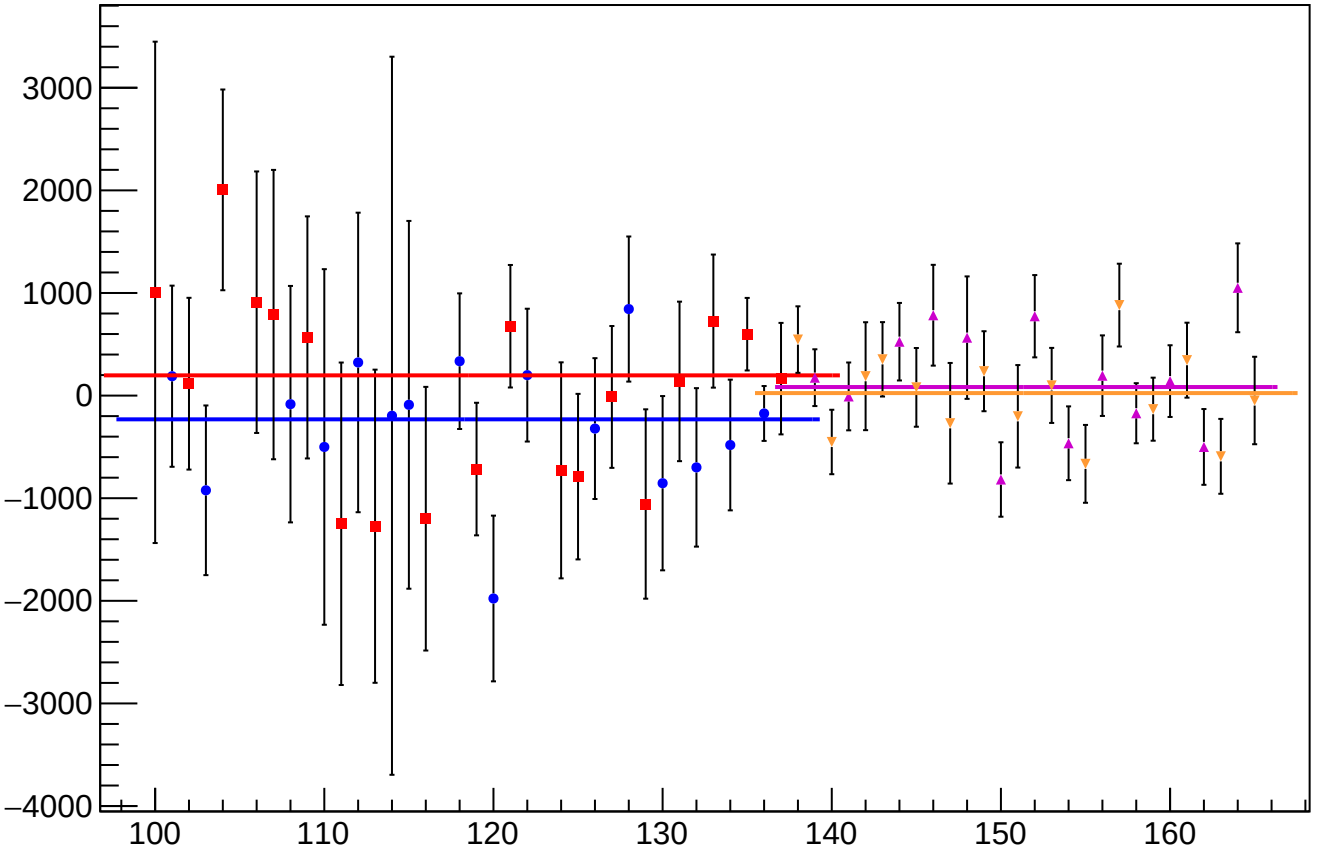
Left In: 81.742+/-0.018 χ^2/NDF:100126.5/12

\+ sign 81.195+/-0.013 χ^2/NDF: 1138704.8/30

All: 82.017+/-0.010 χ^2/NDF: 2380464.7/62

\- sign 82.910+/-0.014 χ^2/NDF: 1233864.0/31

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 24.503+/-98.603 χ^2/NDF:18.4/14

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

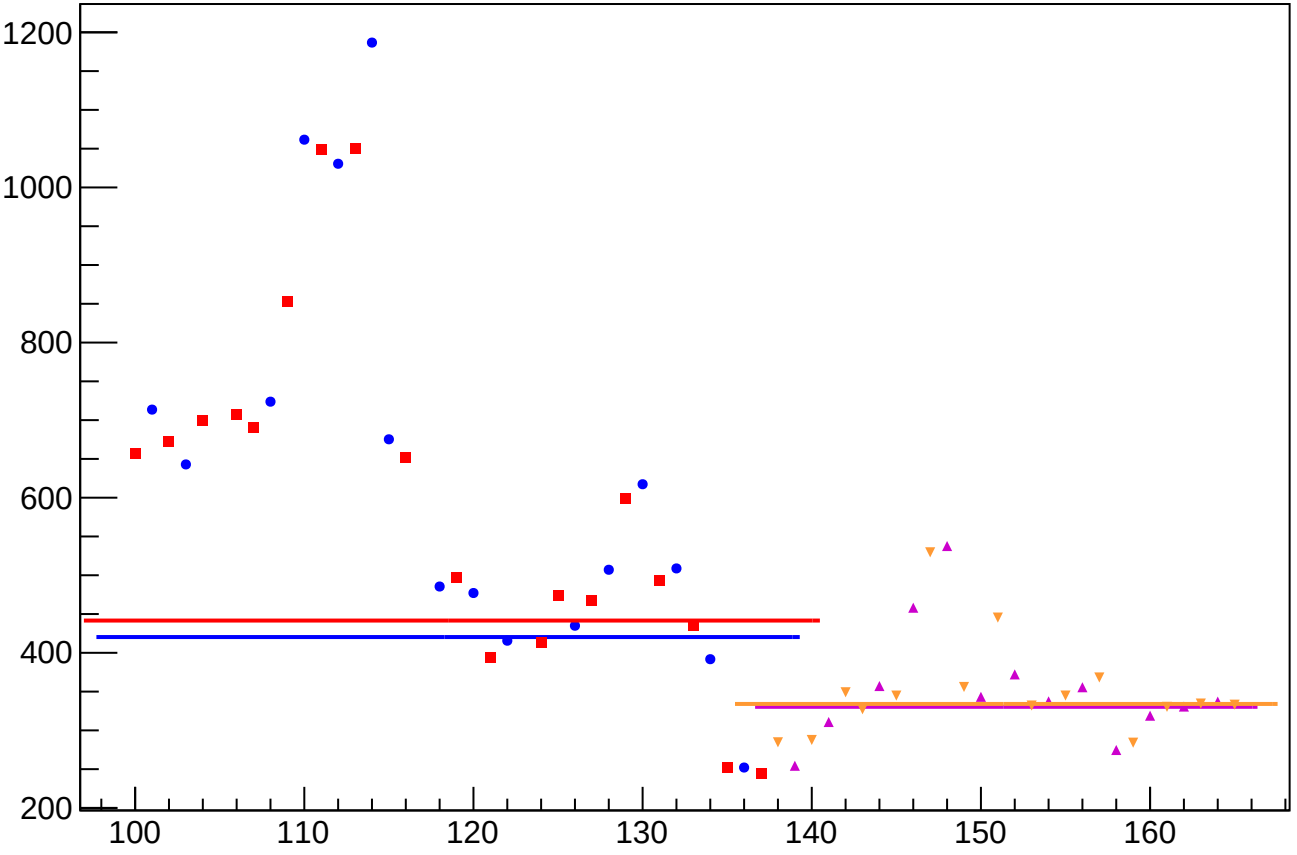
Left In: 83.450+/-101.676 χ^2/NDF:24.0/12

+ sign -39.842+/-85.310 χ^2/NDF: 30.5/30

All: 33.627+/-61.270 χ^2/NDF: 72.2/62

- sign 111.893+/-88.052 χ^2/NDF: 40.2/31

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 334.080+/-0.070 χ^2/NDF:490372.9/14

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

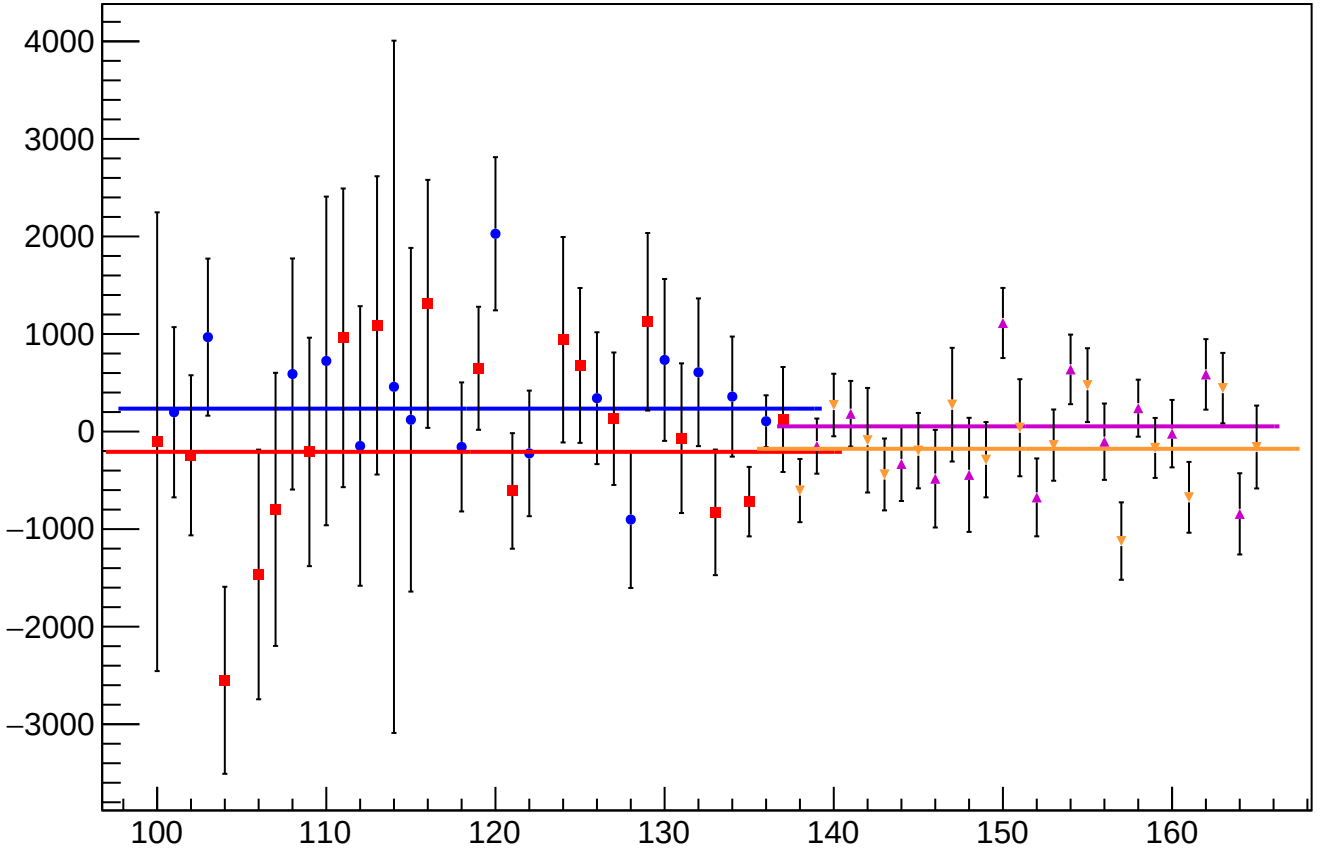
Left In: 330.386+/-0.072 χ^2/NDF:652906.1/12

+ sign 355.766+/-0.060 χ^2/NDF: 3129746.4/30

All: 356.941+/-0.043 χ^2/NDF: 6689291.1/62

- sign 358.193+/-0.062 χ^2/NDF: 3558761.0/31

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -176.620+/-98.676 χ^2/NDF:18.6/14

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

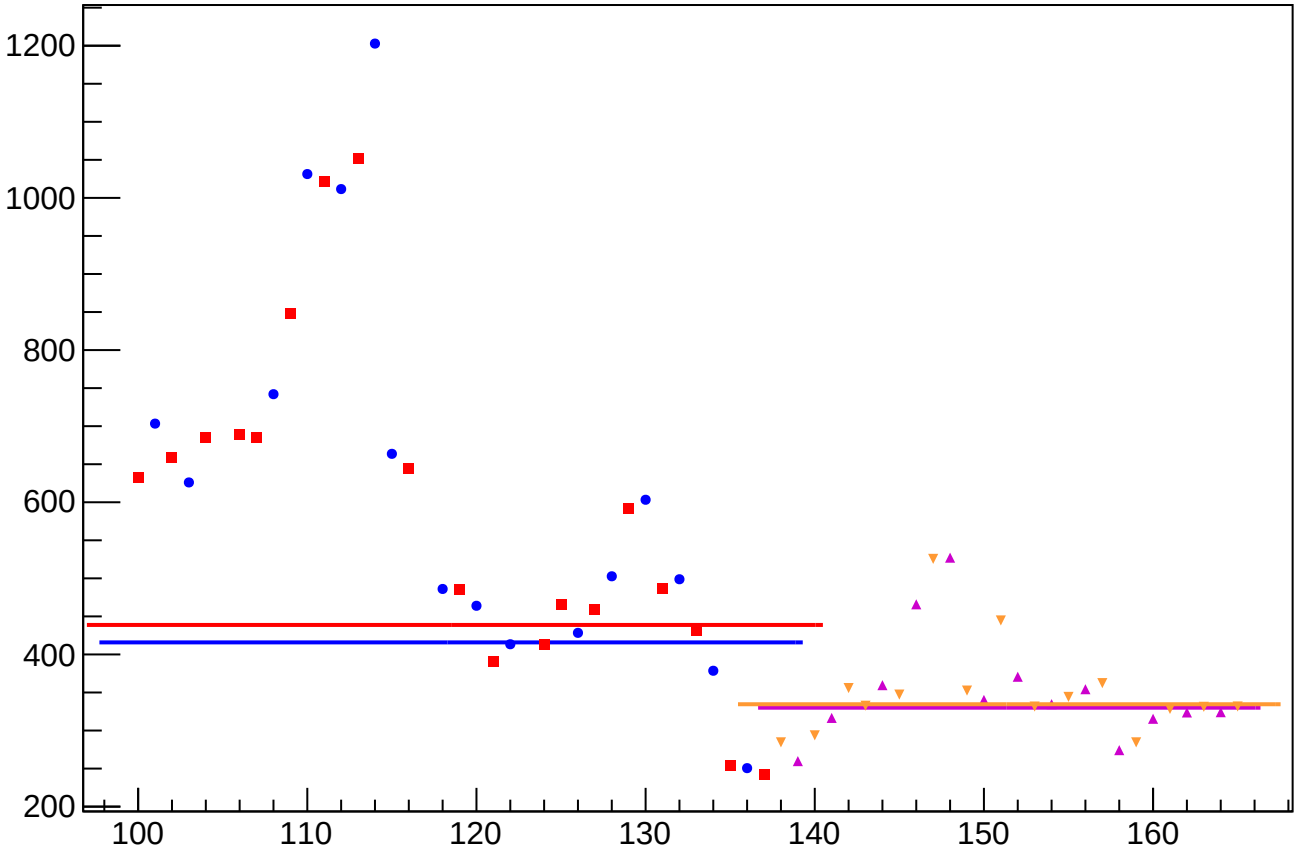
Left In: 53.286+/-101.497 χ^2/NDF:25.7/12

+ sign -71.212+/-85.110 χ^2/NDF: 33.8/30

All: -42.818+/-61.098 χ^2/NDF: 81.7/62

- sign -12.626+/-87.763 χ^2/NDF: 47.7/31

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 334.550+/-0.070 χ^2/NDF:467967.5/14

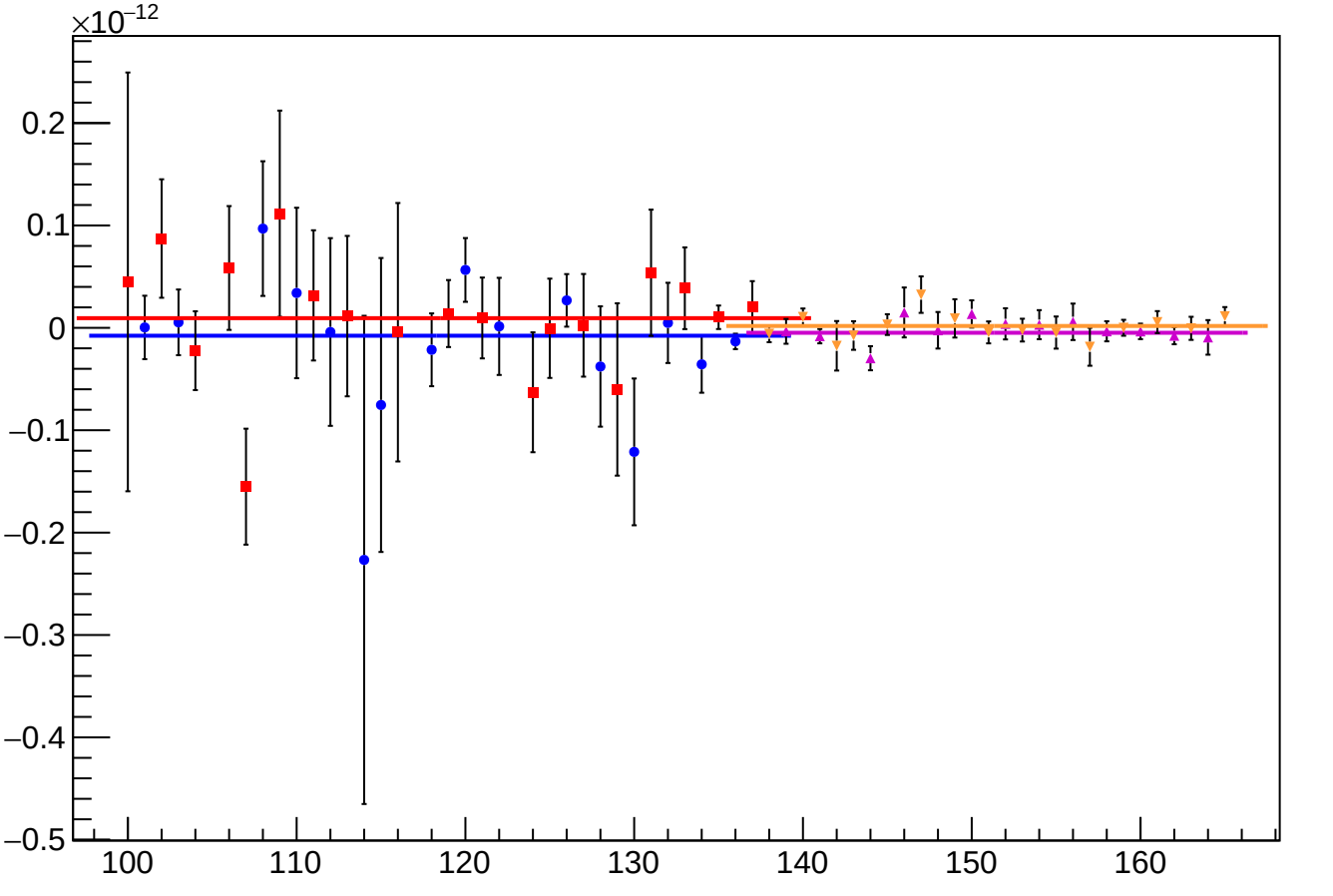
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 330.023+/-0.072 χ^2/NDF:621391.7/12

+ sign 355.364+/-0.060 χ^2/NDF: 3039451.3/30

All: 356.381+/-0.043 χ^2/NDF: 6475555.8/62

- sign 357.463+/-0.062 χ^2/NDF: 3435515.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

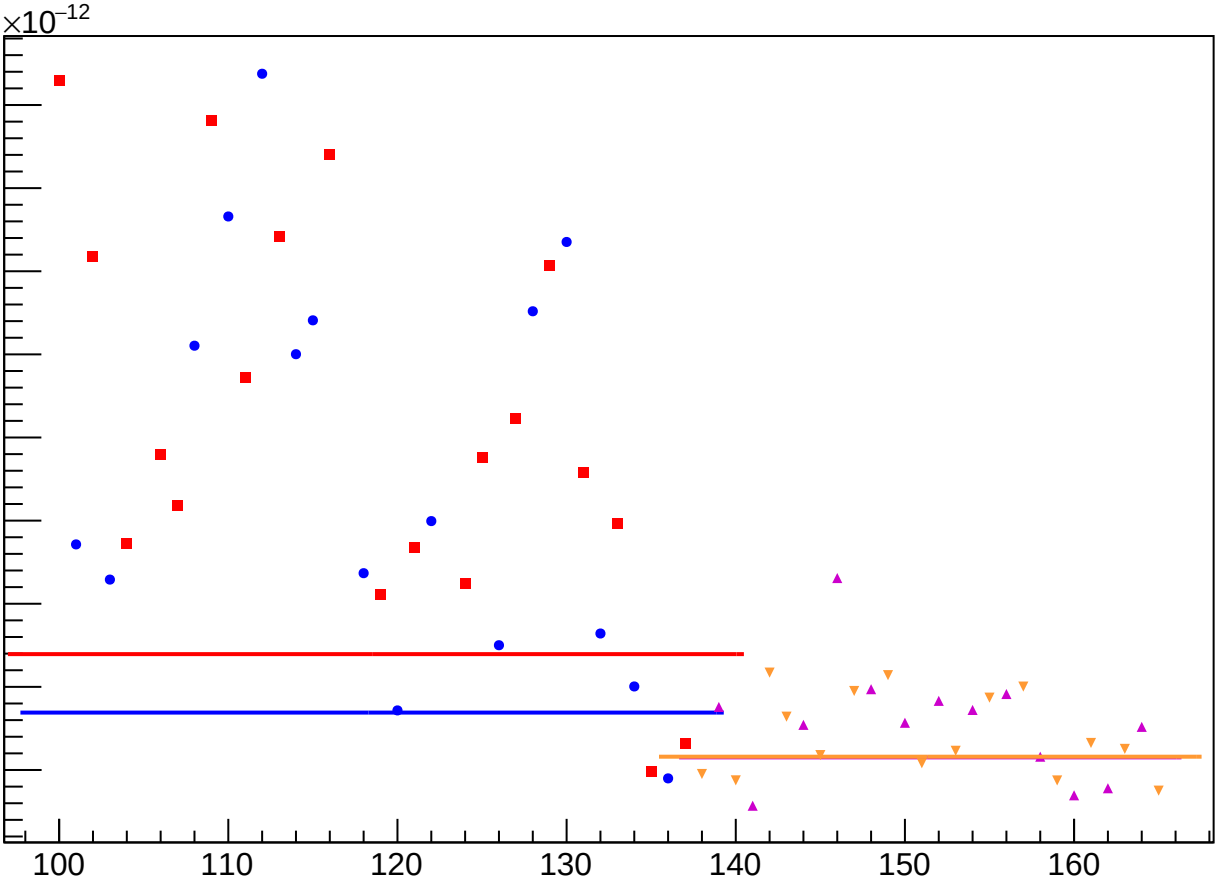
Left In: -0.000+/-0.000 χ^2/NDF:8.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 26.1/30

All: -0.000+/-0.000 χ^2/NDF: 54.3/62

- sign -0.000+/-0.000 χ^2/NDF: 27.5/31

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:872216.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

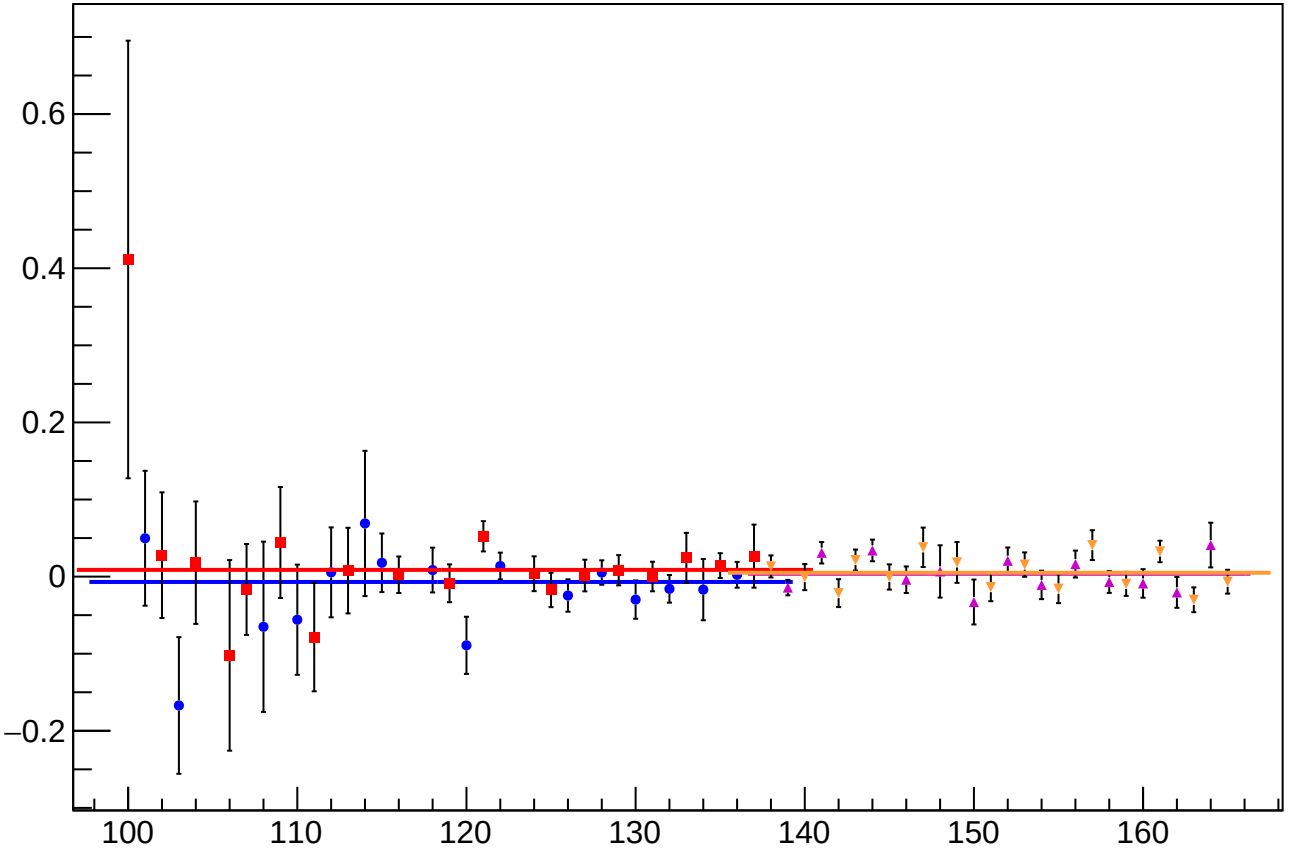
Left In: 0.000+/-0.000 χ^2/NDF:1645476.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 3933097.6/30

All: 0.000+/-0.000 χ^2/NDF: 9361813.8/62

- sign 0.000+/-0.000 χ^2/NDF: 5418615.0/31

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+/-0.004 χ^2/NDF:22.3/14

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

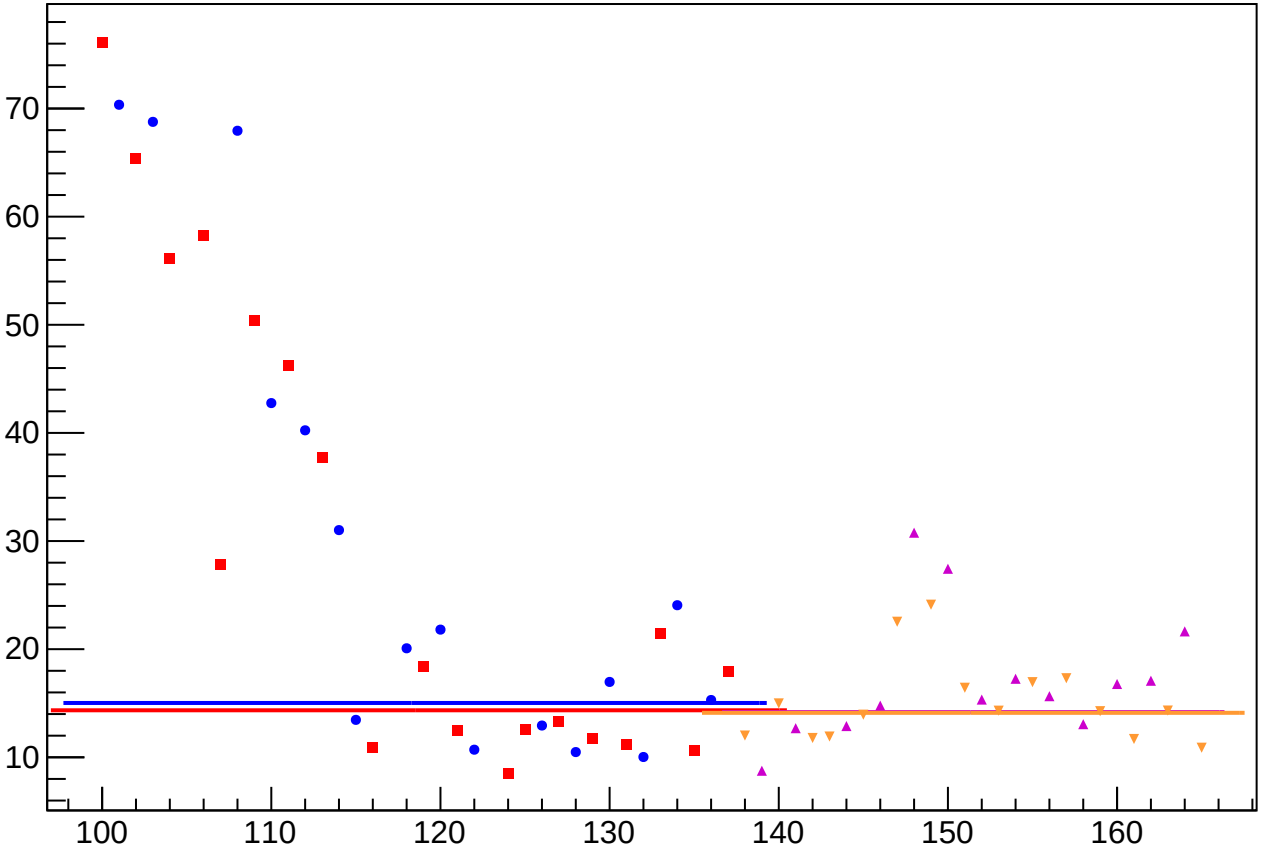
Left In: 0.004+/-0.005 χ^2/NDF:19.7/12

+ sign 0.002+/-0.004 χ^2/NDF: 39.5/30

All: 0.003+/-0.003 χ^2/NDF: 72.8/62

- sign 0.005+/-0.004 χ^2/NDF: 32.8/31

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.115+/-0.003 χ^2/NDF:916419.5/14

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

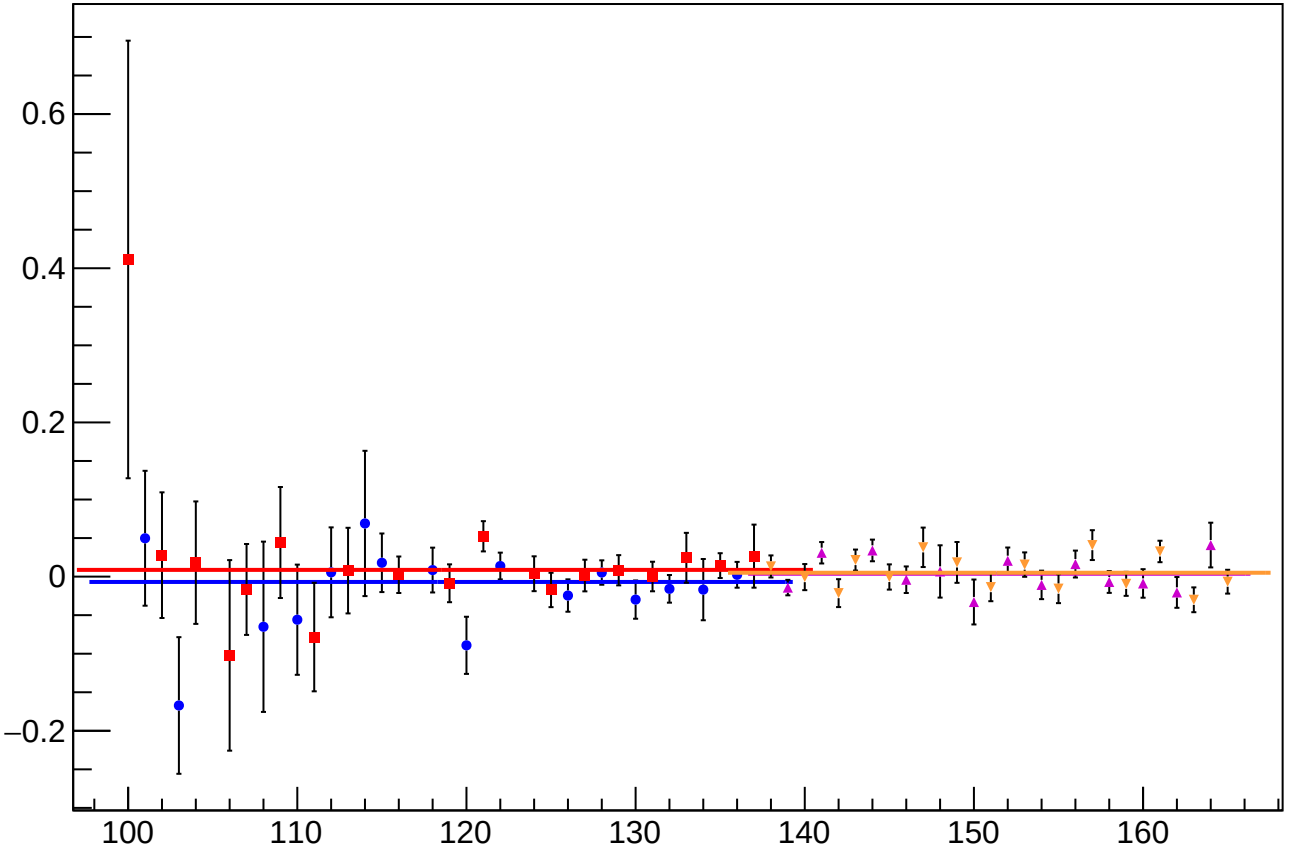
Left In: 14.181+/-0.003 χ^2/NDF:1823830.5/12

\+ sign 14.382+/-0.003 χ^2/NDF: 4380546.3/30

All: 14.312+/-0.002 χ^2/NDF: 9835795.6/62

\- sign 14.238+/-0.003 χ^2/NDF: 5453746.4/31

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+/-0.004 χ^2/NDF:22.3/14

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

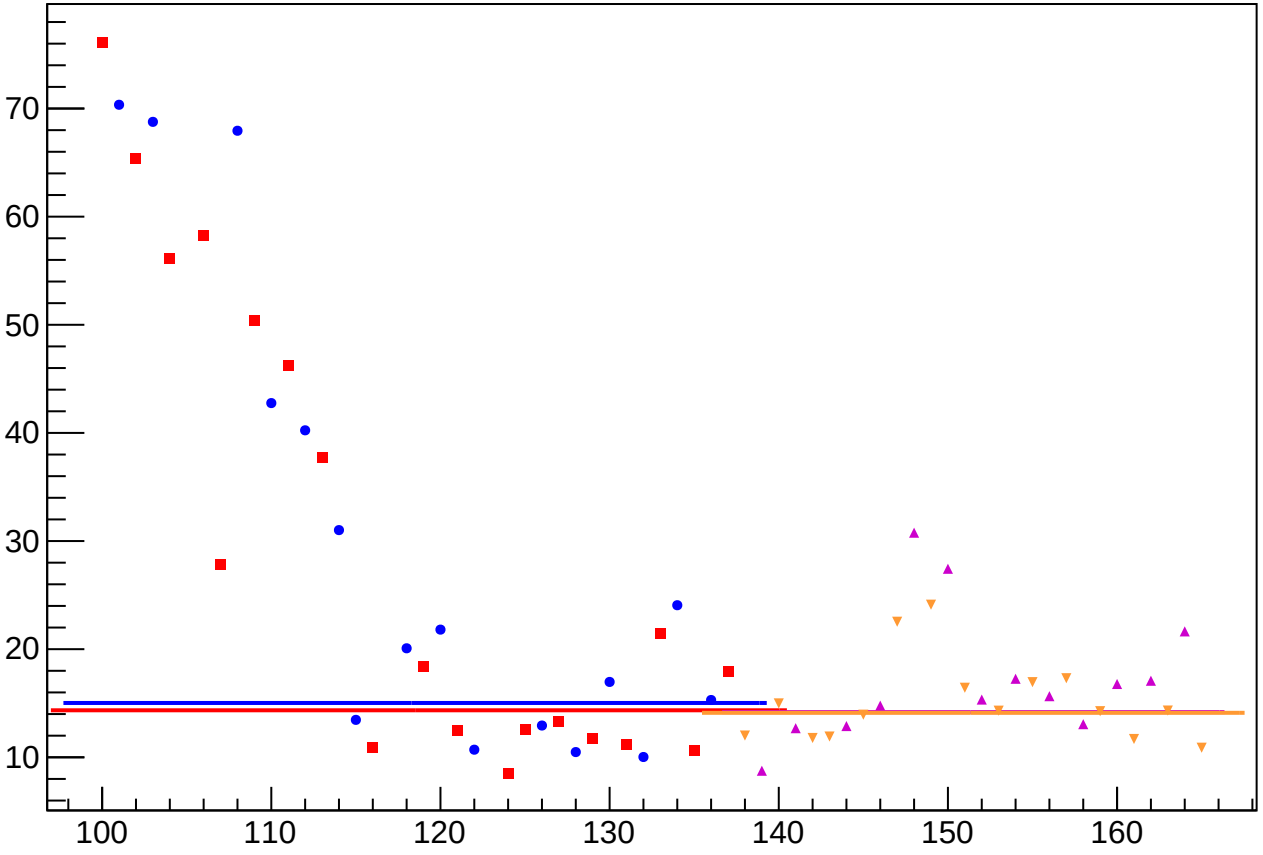
Left In: 0.004+/-0.005 χ^2/NDF:19.7/12

\+ sign 0.002+/-0.004 χ^2/NDF: 39.5/30

All: 0.003+/-0.003 χ^2/NDF: 72.8/62

\- sign 0.005+/-0.004 χ^2/NDF: 32.8/31

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.115+/-0.003 χ^2/NDF:916419.5/14

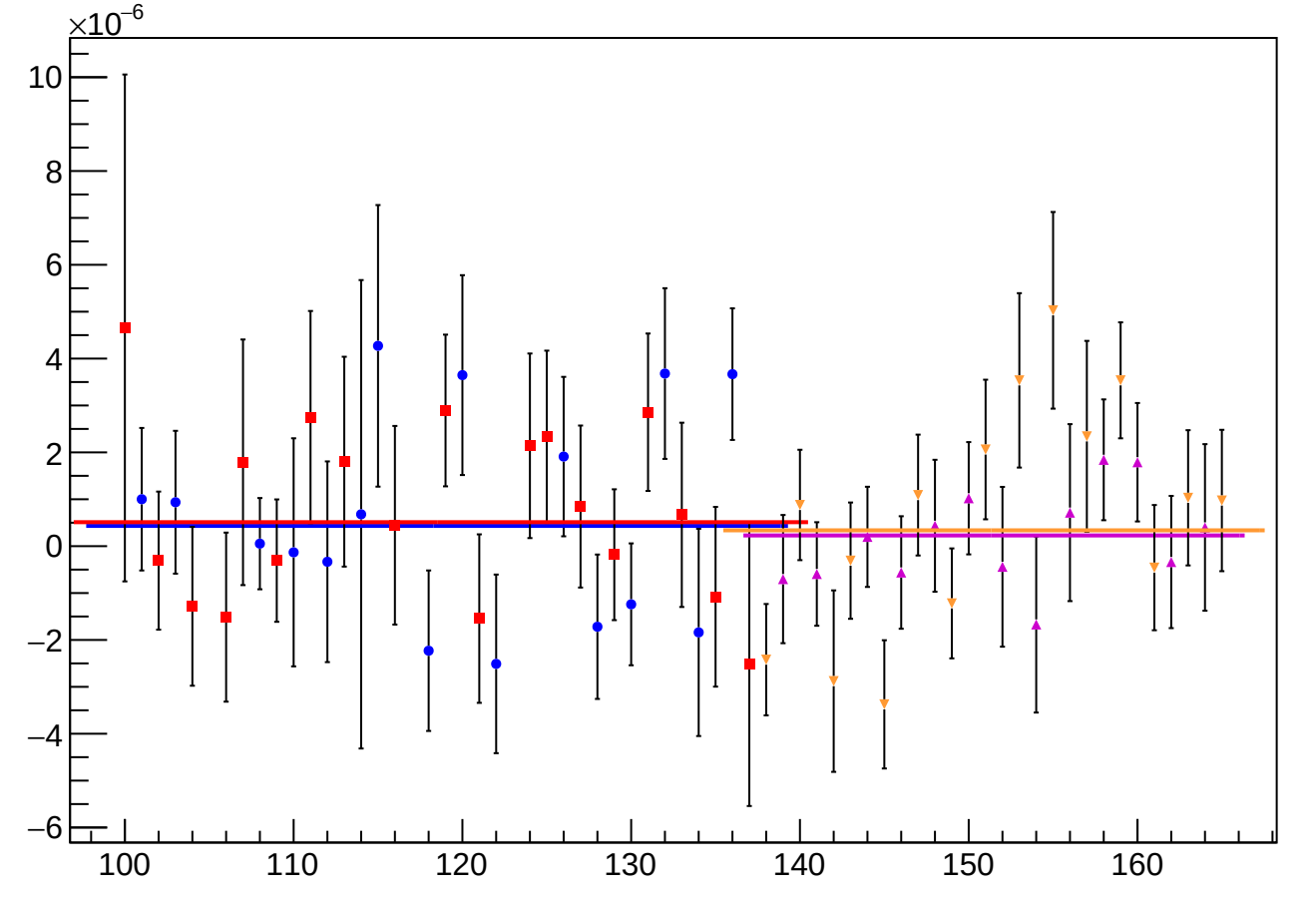
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823830.5/12

+ sign 14.382+/-0.003 χ^2/NDF: 4380546.3/30

All: 14.312+/-0.002 χ^2/NDF: 9835795.6/62

- sign 14.238+/-0.003 χ^2/NDF: 5453746.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

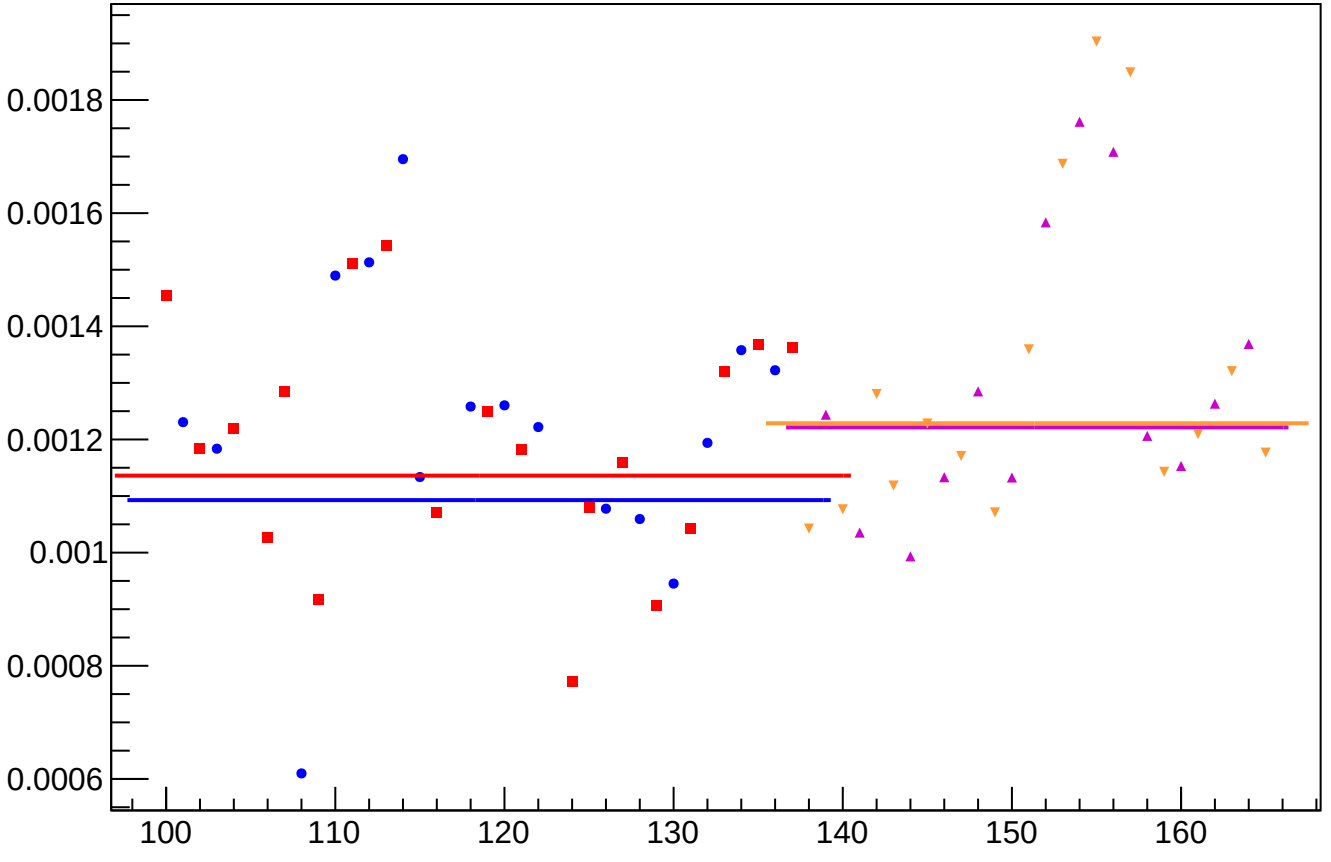
Left In: 0.000+/-0.000 χ^2/NDF:6.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 59.1/30

All: 0.000+/-0.000 χ^2/NDF: 80.1/62

- sign 0.000+/-0.000 χ^2/NDF: 21.0/31

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:690178.2/14

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

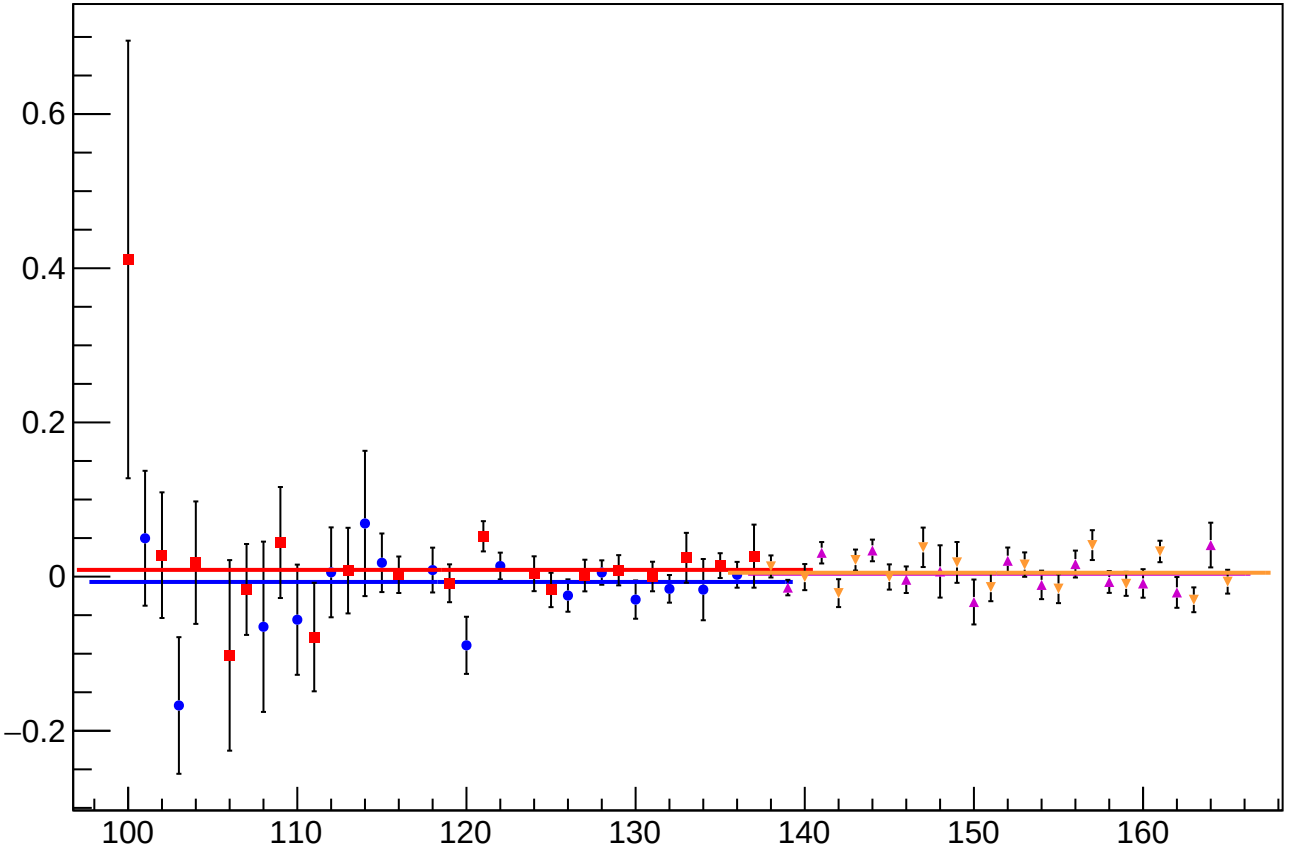
Left In: 0.001+/-0.000 χ^2/NDF:584801.8/12

+ sign 0.001+/-0.000 χ^2/NDF: 1641585.7/30

All: 0.001+/-0.000 χ^2/NDF: 2681348.8/62

- sign 0.001+/-0.000 χ^2/NDF: 1037470.2/31

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+/-0.004 χ^2/NDF:22.3/14

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

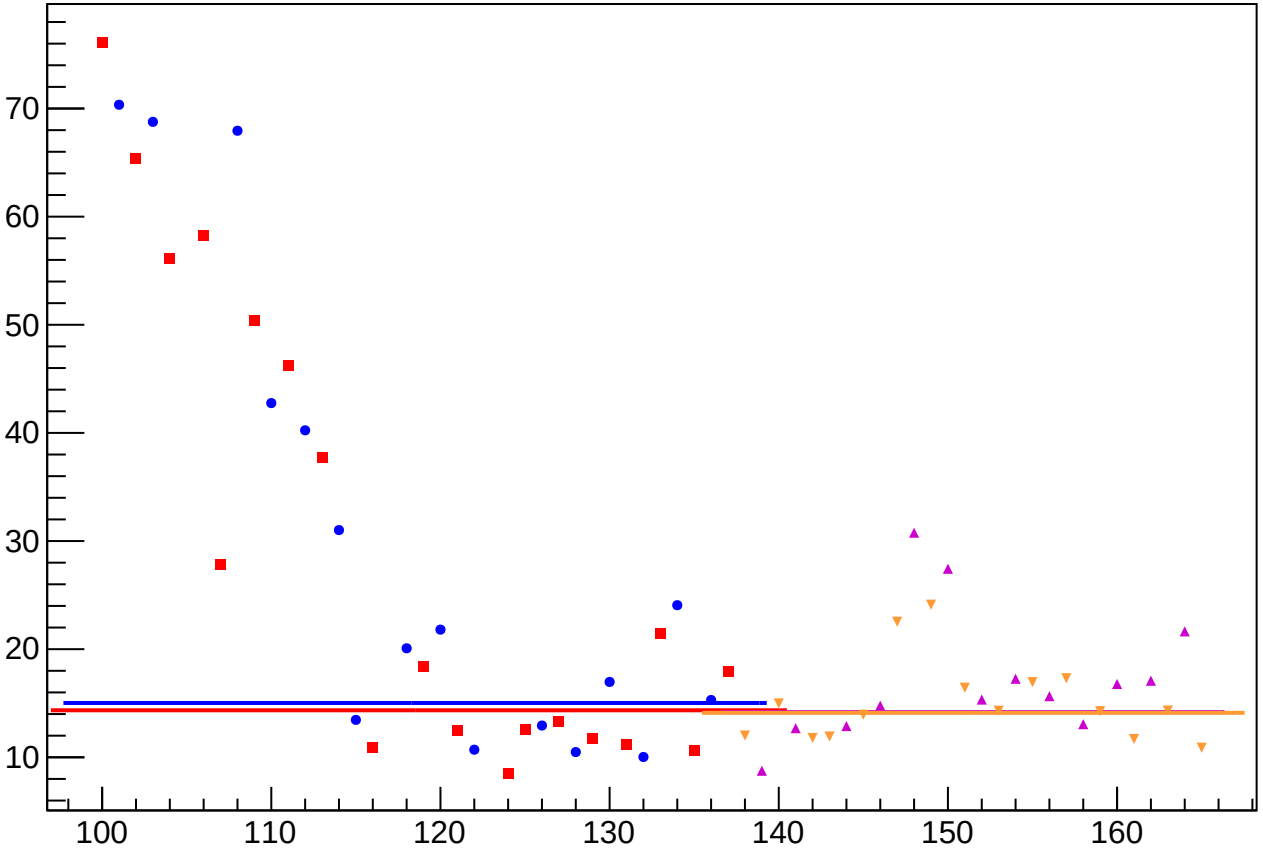
Left In: 0.004+/-0.005 χ^2/NDF:19.7/12

+ sign 0.002+/-0.004 χ^2/NDF: 39.5/30

All: 0.003+/-0.003 χ^2/NDF: 72.8/62

- sign 0.005+/-0.004 χ^2/NDF: 32.8/31

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.115+/-0.003 χ^2/NDF:916486.9/14

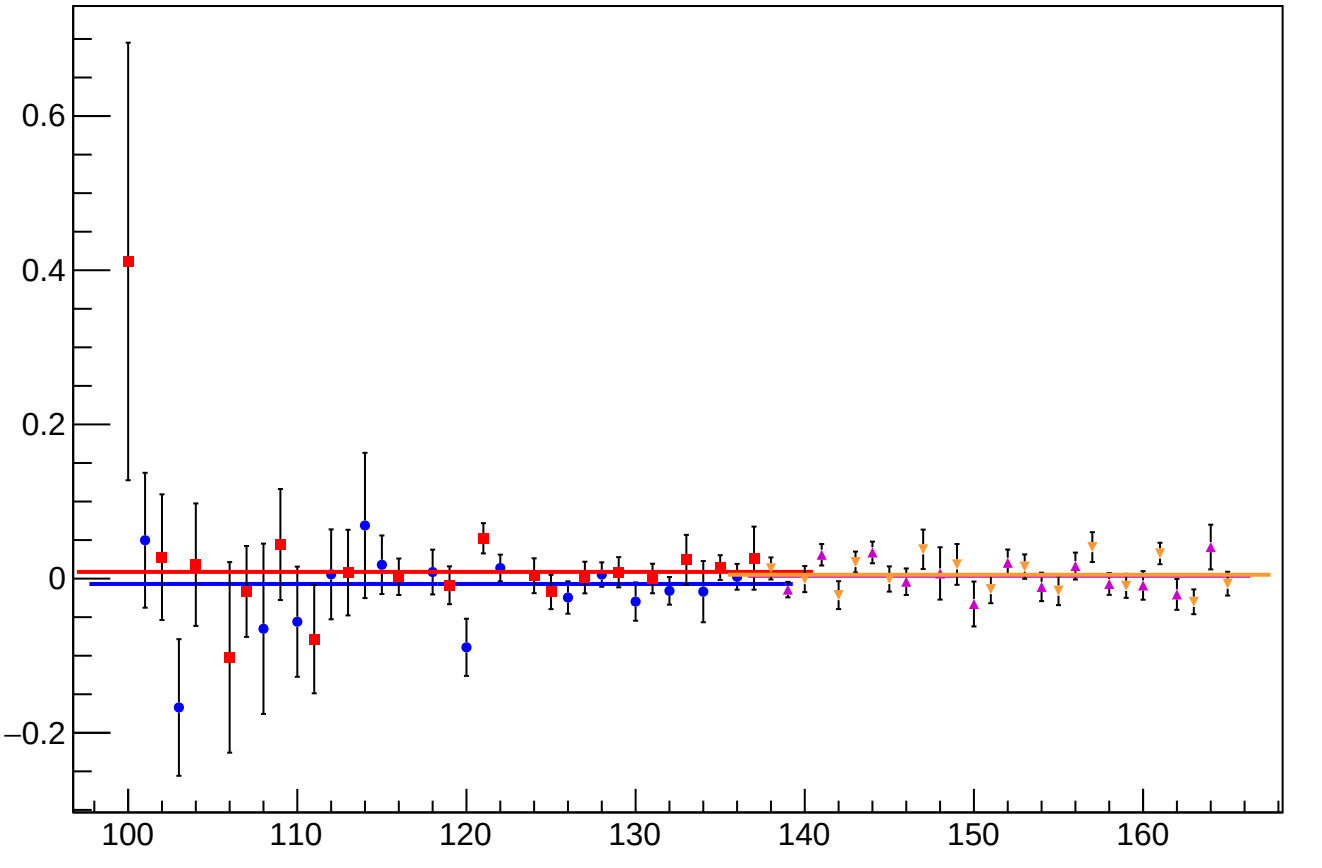
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823882.7/12

+ sign 14.381+/-0.003 χ^2/NDF: 4380626.2/30

All: 14.312+/-0.002 χ^2/NDF: 9835916.3/62

- sign 14.238+/-0.003 χ^2/NDF: 5453788.1/31



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:22.3/14

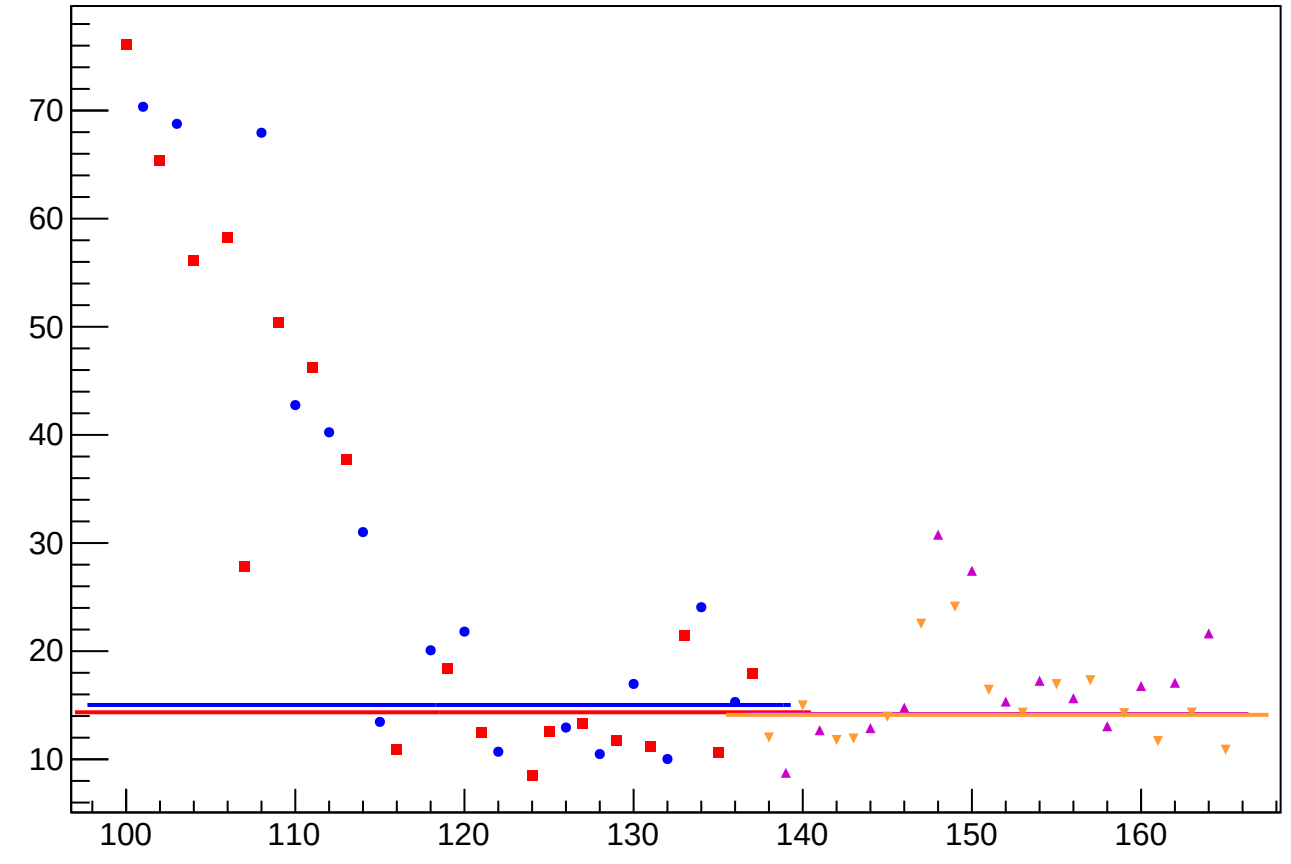
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.005 χ^2/NDF:19.7/12

+ sign 0.002+/-0.004 χ^2/NDF: 39.5/30

All: 0.003+/-0.003 χ^2/NDF: 72.8/62

- sign 0.005+/-0.004 χ^2/NDF: 32.8/31



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.115+/-0.003 χ^2/NDF:916486.9/14

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

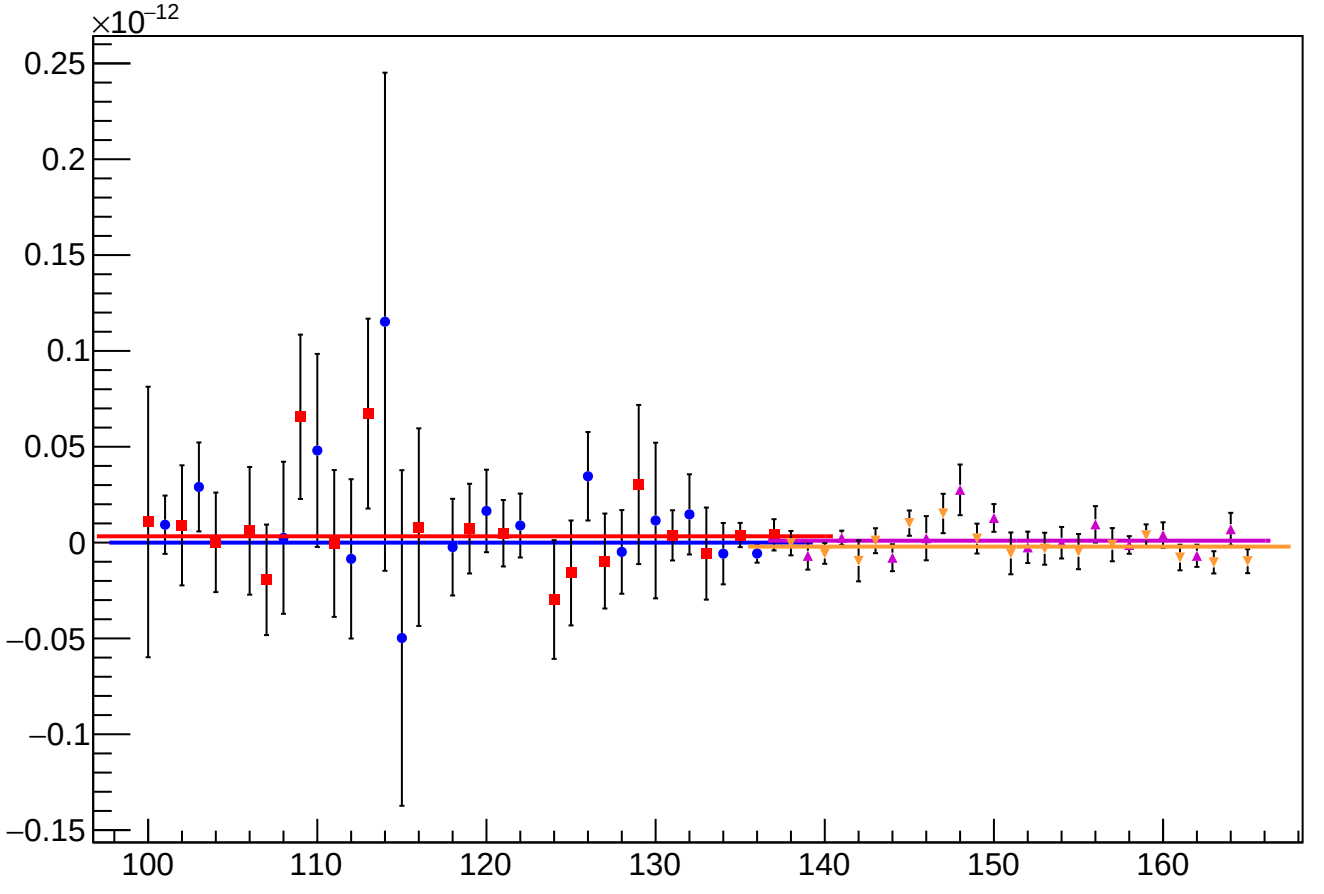
Left In: 14.181+/-0.003 χ^2/NDF:1823882.7/12

+ sign 14.381+/-0.003 χ^2/NDF: 4380626.2/30

All: 14.312+/-0.002 χ^2/NDF: 9835916.3/62

- sign 14.238+/-0.003 χ^2/NDF: 5453788.1/31

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

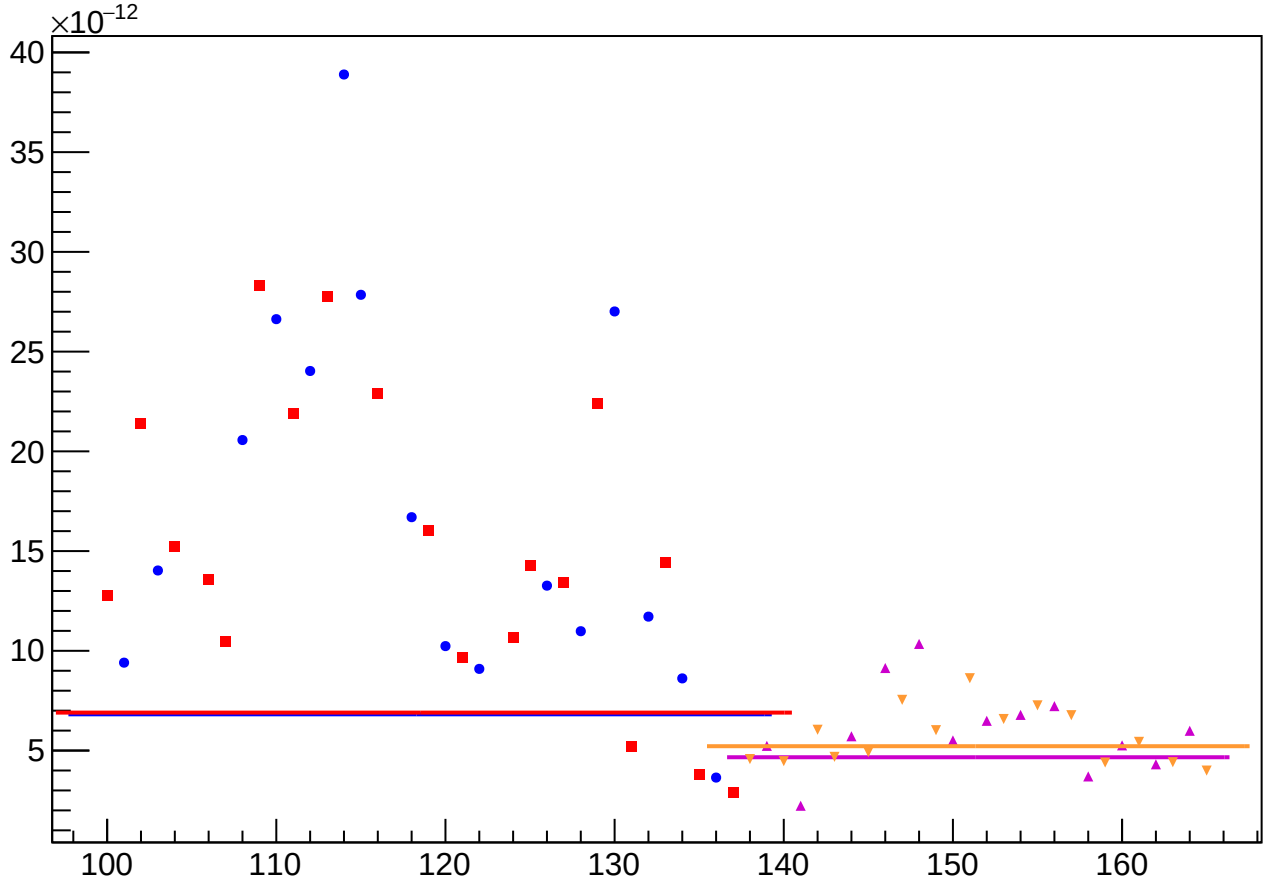
Left In: 0.000+/-0.000 χ^2/NDF:13.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 22.8/30

All: -0.000+/-0.000 χ^2/NDF: 45.3/62

- sign 0.000+/-0.000 χ^2/NDF: 20.8/31

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:781345.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

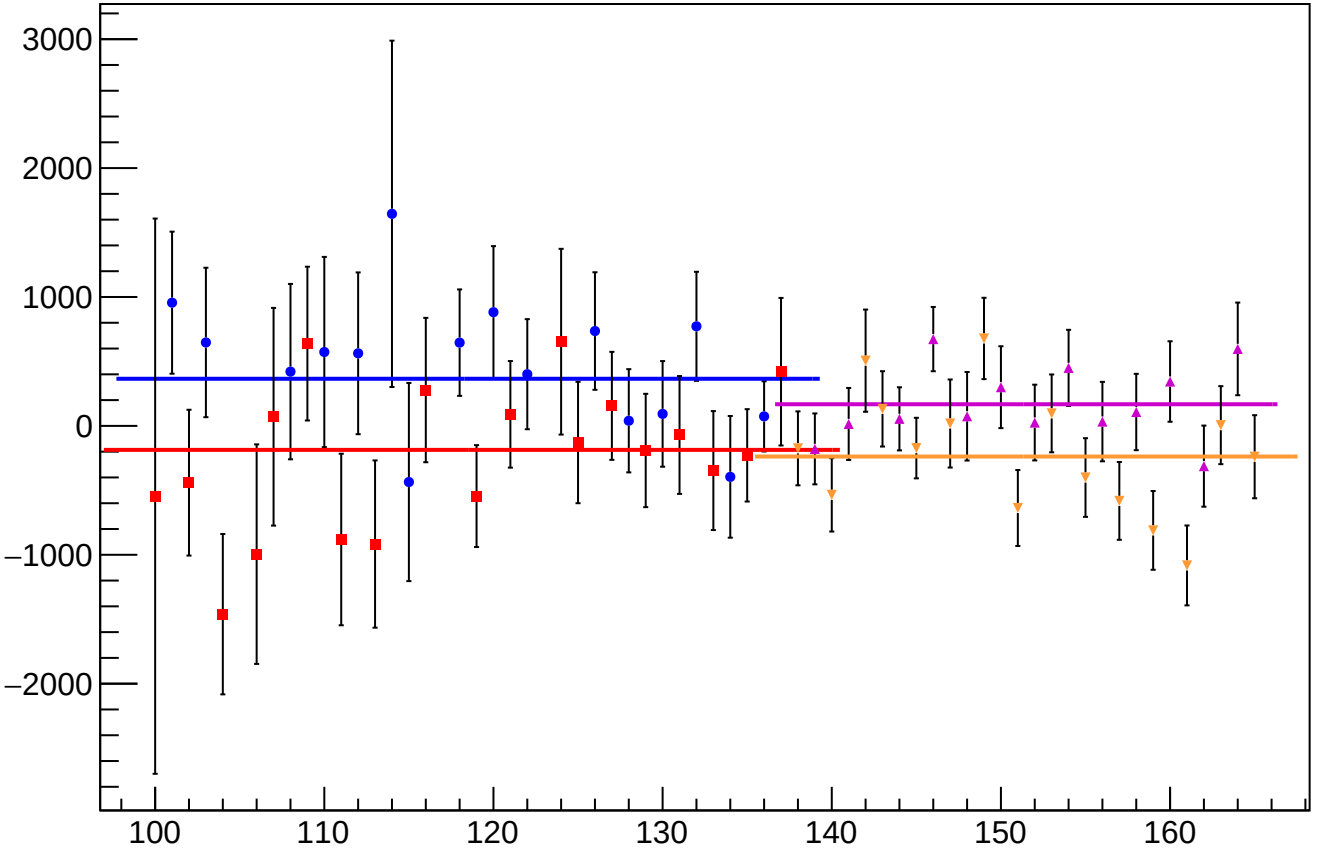
Left In: 0.000+/-0.000 χ^2/NDF:2153980.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 4581132.9/30

All: 0.000+/-0.000 χ^2/NDF: 11583322.6/62

- sign 0.000+/-0.000 χ^2/NDF: 6924441.6/31

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.756+/-77.798 χ^2/NDF:31.6/14

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

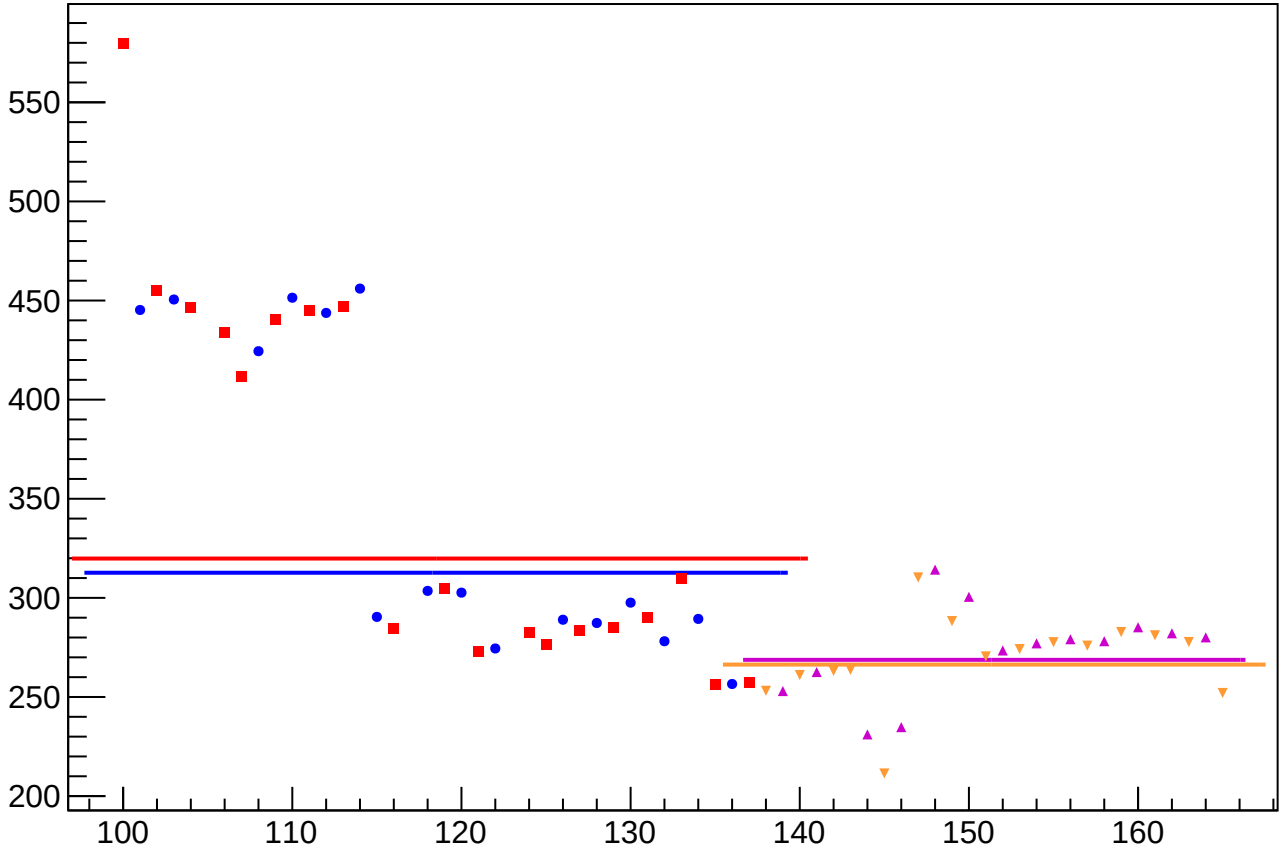
Left In: 167.886+/-81.571 χ^2/NDF:11.9/12

+ sign -56.840+/-65.096 χ^2/NDF: 61.1/30

All: -2.345+/-46.855 χ^2/NDF: 95.4/62

- sign 56.238+/-67.494 χ^2/NDF: 32.9/31

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 266.350+/-0.055 χ^2/NDF:181018.4/14

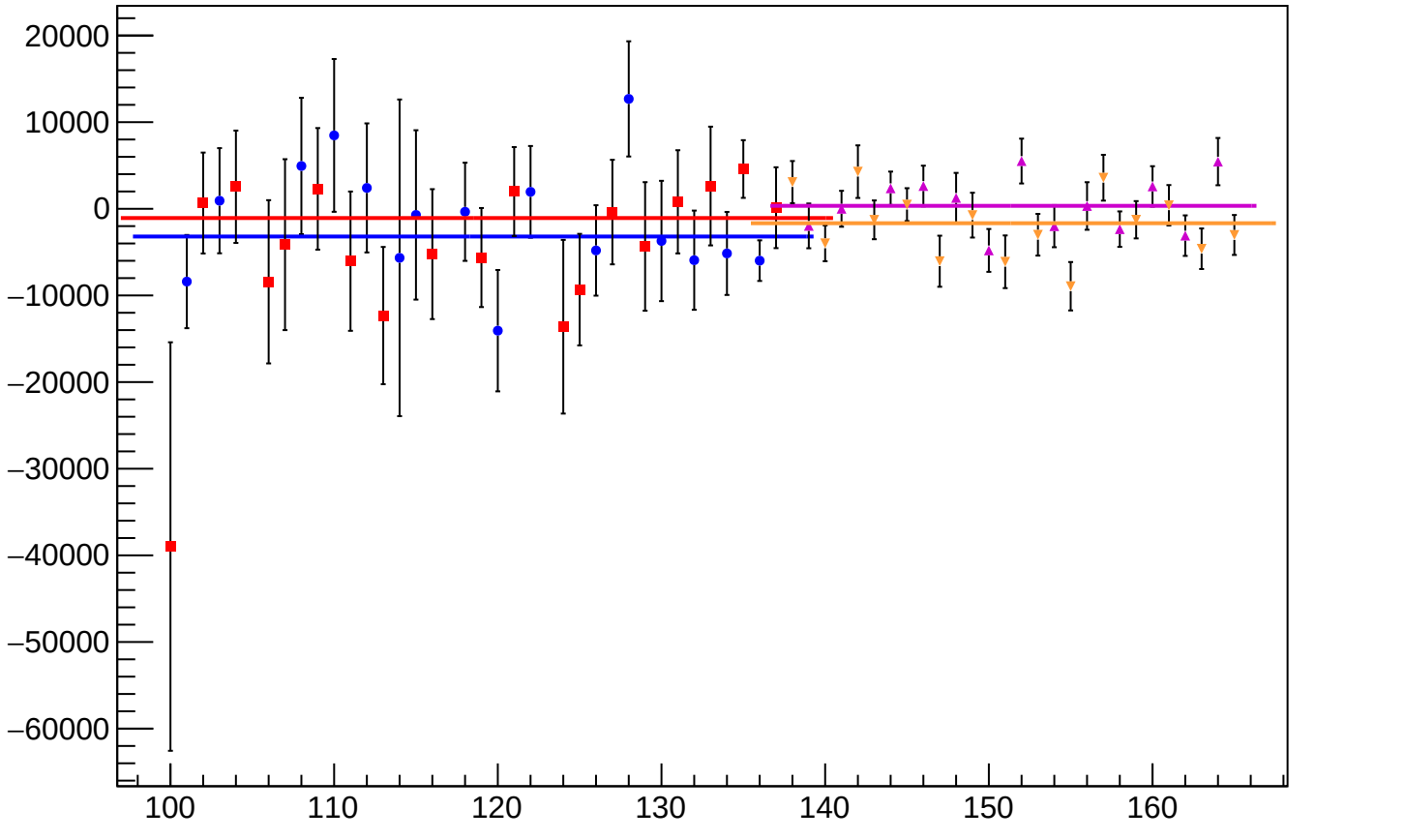
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

+ sign 280.244+/-0.046 χ^2/NDF: 995951.0/30

All: 282.466+/-0.033 χ^2/NDF: 2110712.3/62

- sign 284.855+/-0.048 χ^2/NDF: 1109926.2/31



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1664.004+/-622.939 χ^2/NDF:28.5/14

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

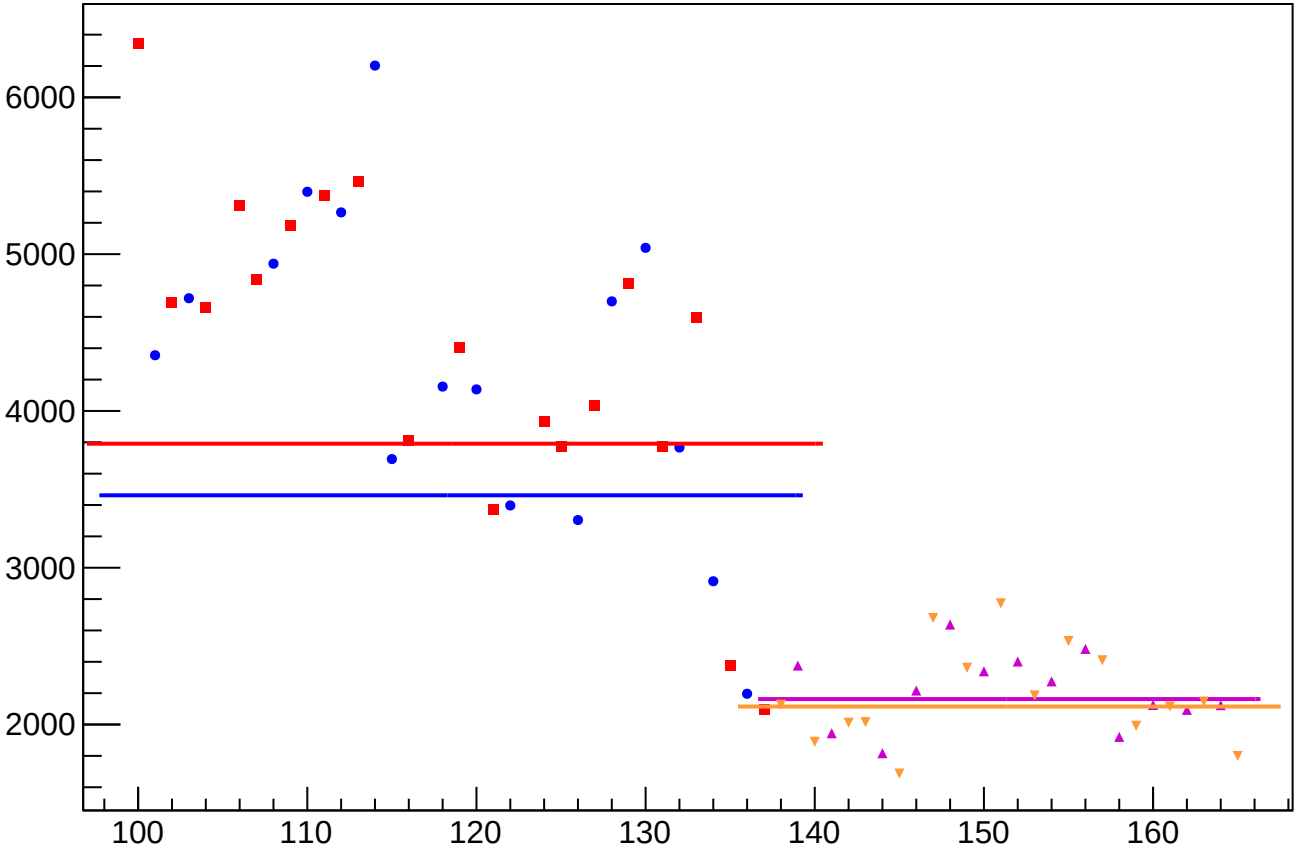
Left In: 343.177+/-658.320 χ^2/NDF:20.5/12

+ sign -1932.170+/-565.905 χ^2/NDF: 45.7/30

All: -973.461+/-411.344 χ^2/NDF: 87.5/62

- sign 100.510+/-598.958 χ^2/NDF: 35.7/31

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2114.664+/-0.440 χ^2/NDF:433123.9/14

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

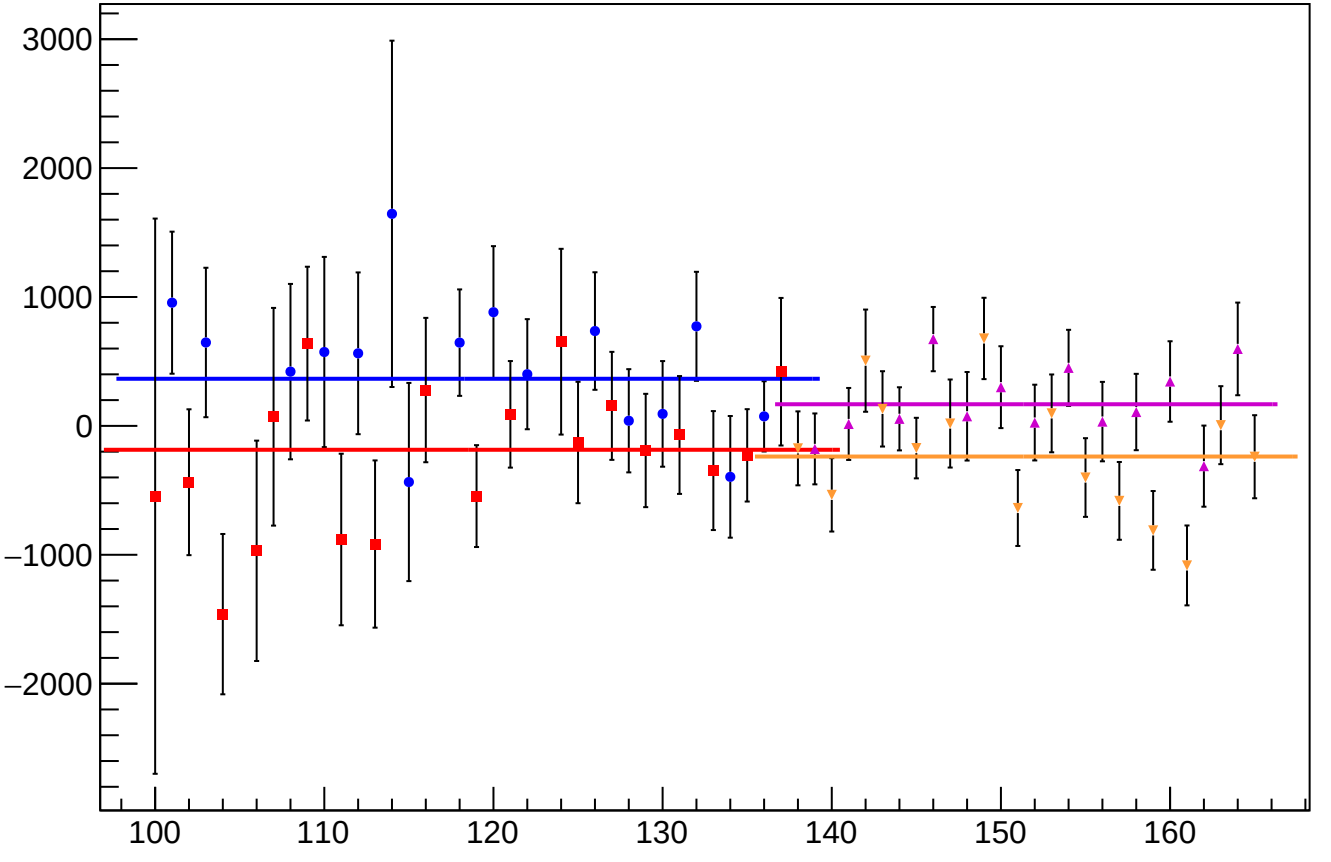
Left In: 2162.330+/-0.466 χ^2/NDF:244450.1/12

+ sign 2350.073+/-0.400 χ^2/NDF: 3377308.6/30

All: 2393.827+/-0.291 χ^2/NDF: 6911477.1/62

- sign 2442.843+/-0.424 χ^2/NDF: 3508818.6/31

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.750+/-77.798 χ^2/NDF:31.6/14

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

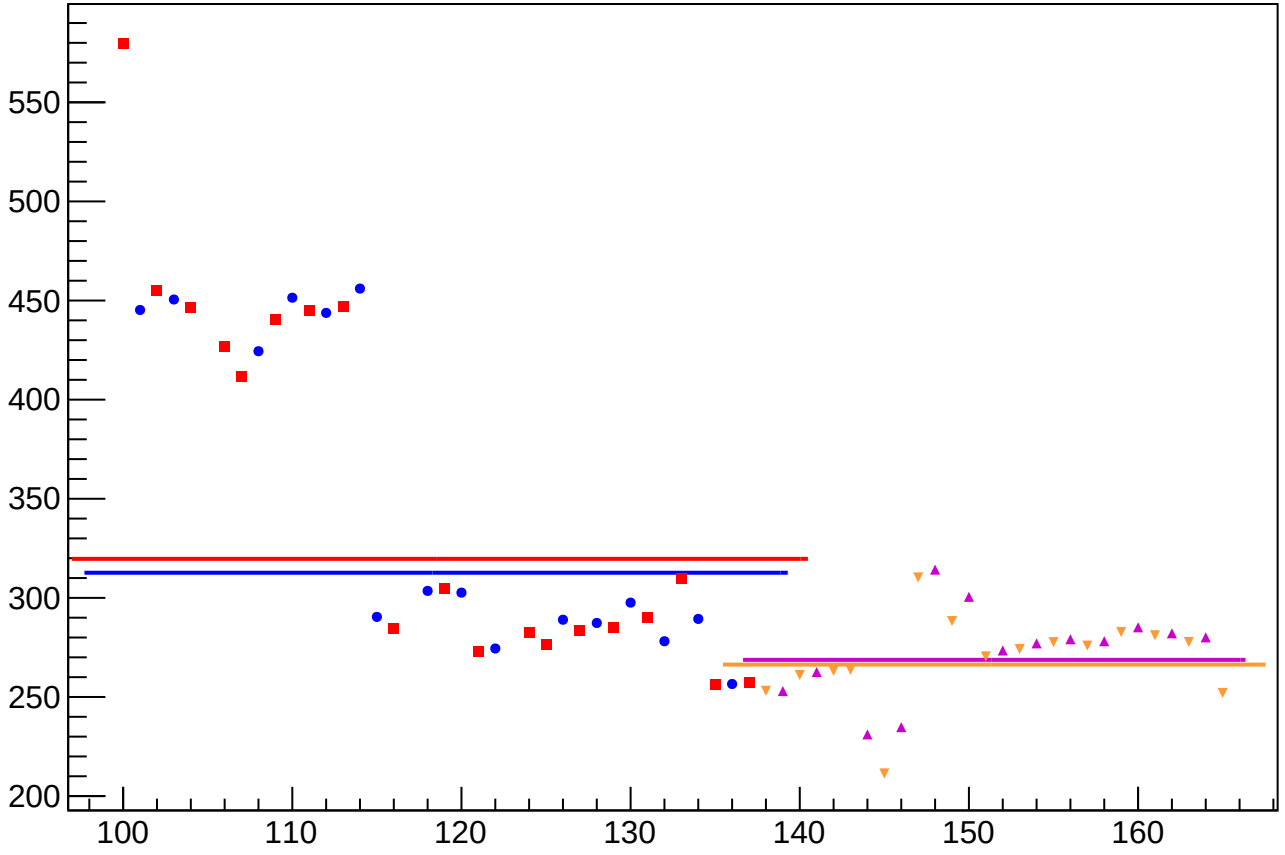
Left In: 167.889+/-81.571 χ^2/NDF:11.9/12

\+ sign -56.840+/-65.096 χ^2/NDF: 61.1/30

All: -2.216+/-46.856 χ^2/NDF: 95.3/62

\- sign 56.510+/-67.496 χ^2/NDF: 32.8/31

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.350+/-0.055 χ^2/NDF:181018.4/14

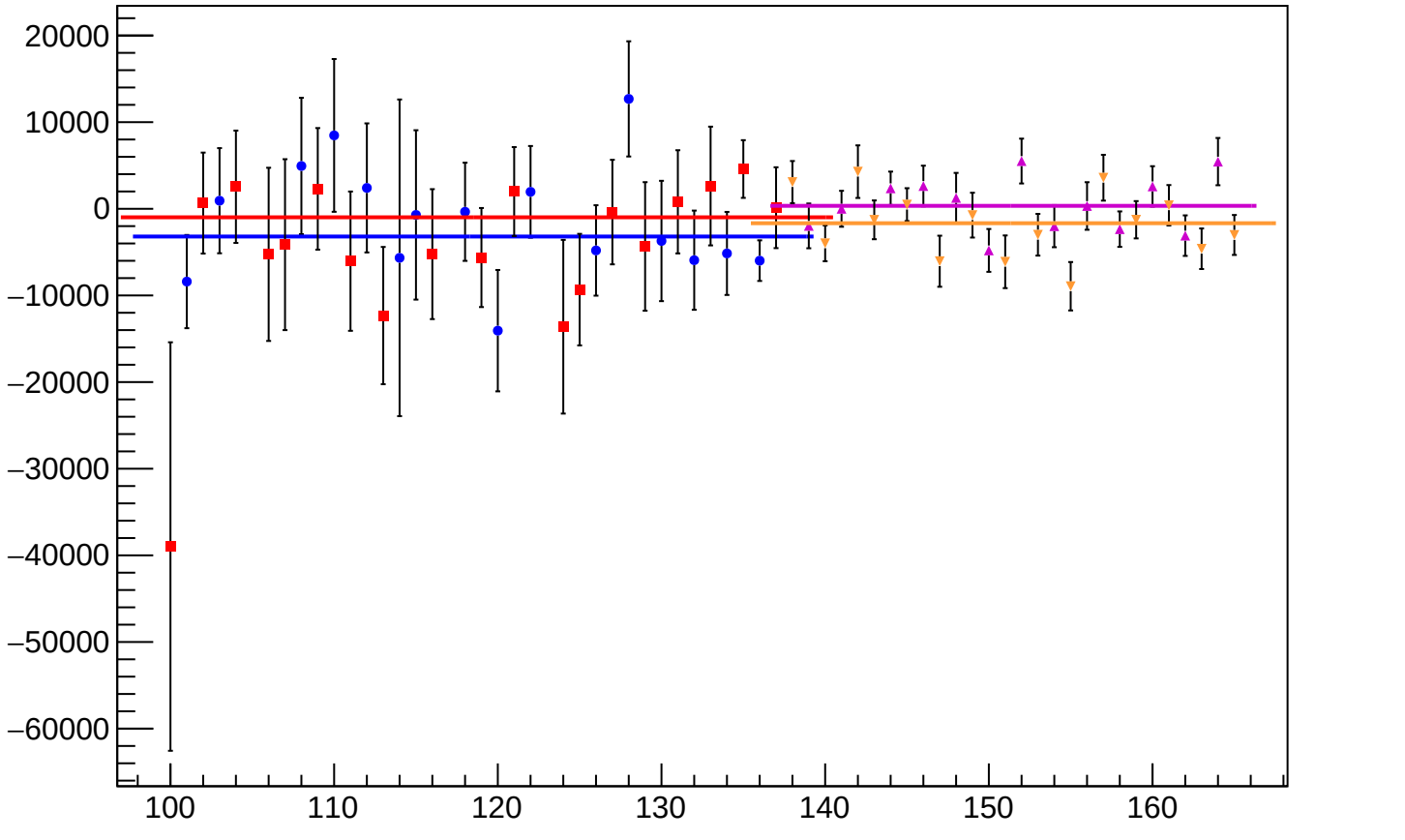
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

+ sign 280.244+/-0.046 χ^2/NDF: 995952.6/30

All: 282.442+/-0.033 χ^2/NDF: 2104983.8/62

- sign 284.806+/-0.048 χ^2/NDF: 1104298.0/31



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1663.995+/-622.939 χ^2/NDF:28.5/14

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

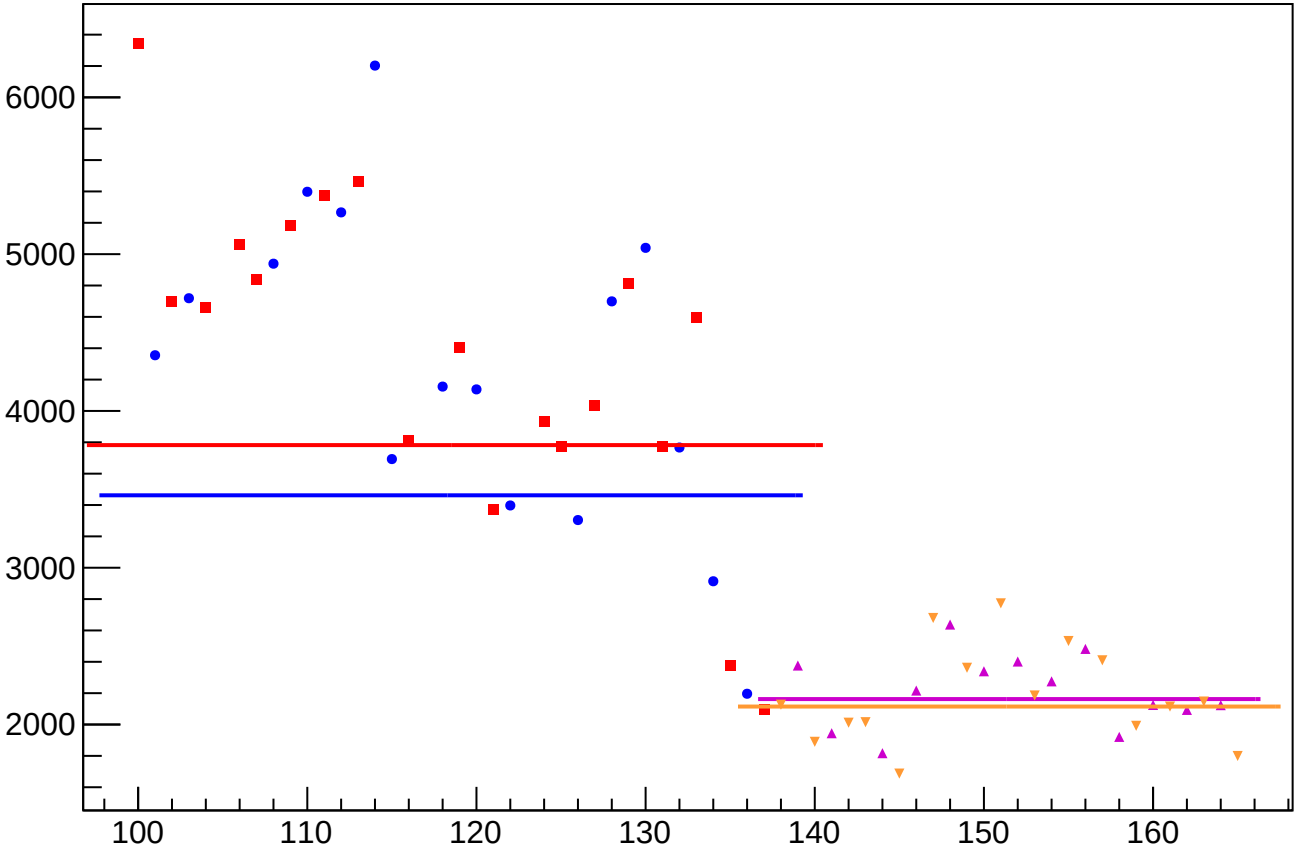
Left In: 343.170+/-658.320 χ^2/NDF:20.5/12

+ sign -1932.150+/-565.905 χ^2/NDF: 45.7/30

All: -966.546+/-411.389 χ^2/NDF: 87.0/62

- sign 115.649+/-599.096 χ^2/NDF: 35.2/31

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2114.665+/-0.440 χ^2/NDF:433124.4/14

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

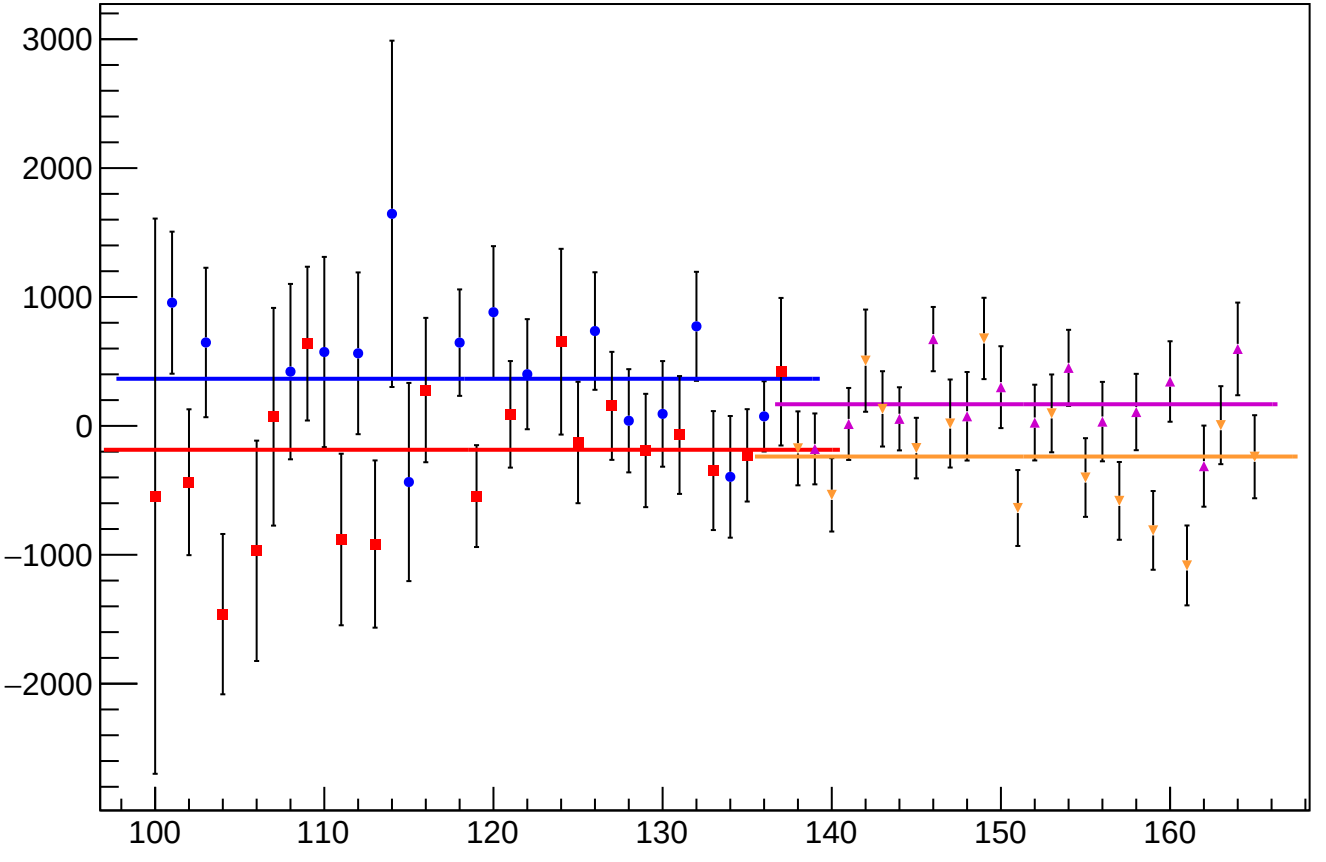
Left In: 2162.331+/-0.466 χ^2/NDF:244450.0/12

+ sign 2350.073+/-0.400 χ^2/NDF: 3377329.3/30

All: 2392.792+/-0.291 χ^2/NDF: 6862954.7/62

- sign 2440.669+/-0.424 χ^2/NDF: 3461455.5/31

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.750+/-77.798 χ^2/NDF:31.6/14

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

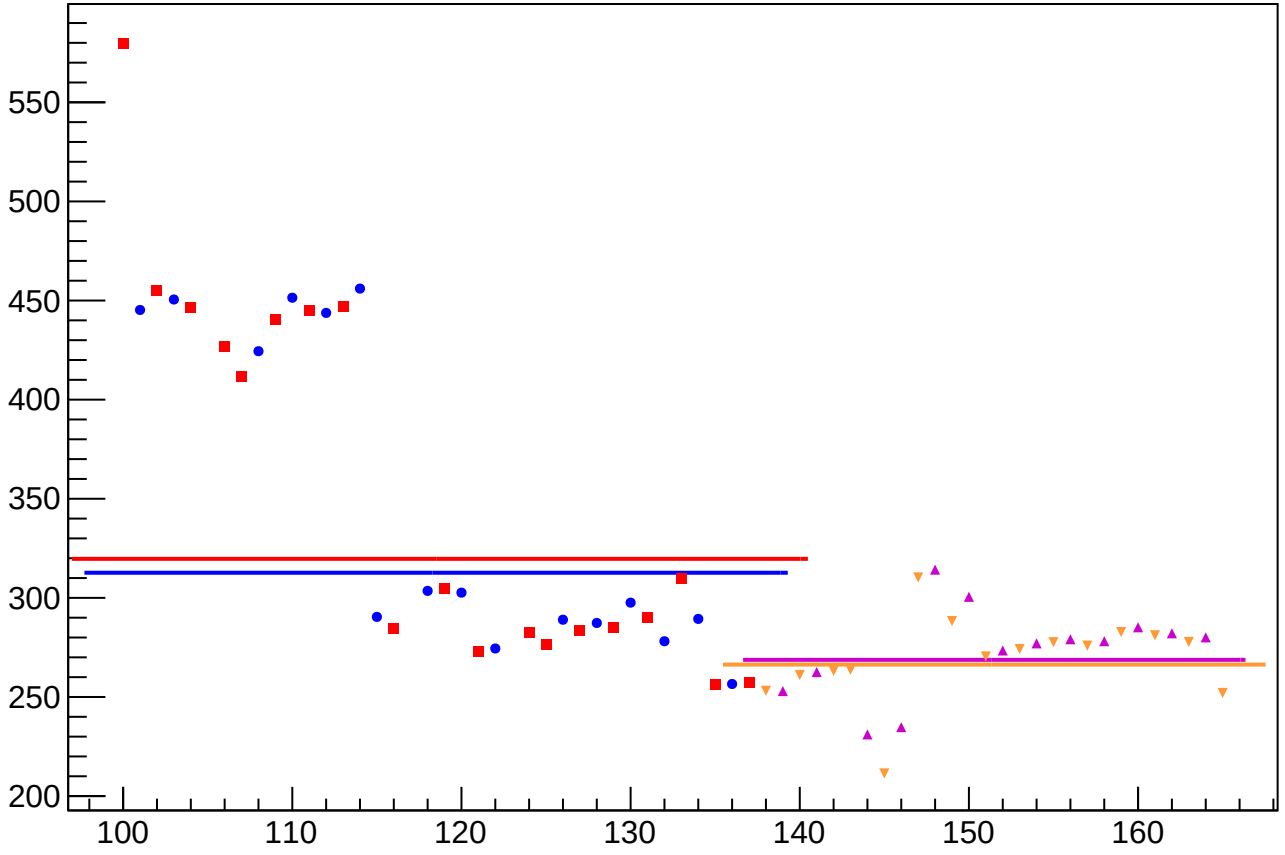
Left In: 167.889+/-81.571 χ^2/NDF:11.9/12

+ sign -56.840+/-65.096 χ^2/NDF: 61.1/30

All: -2.216+/-46.856 χ^2/NDF: 95.3/62

- sign 56.510+/-67.496 χ^2/NDF: 32.8/31

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.350+/-0.055 χ^2/NDF:181018.4/14

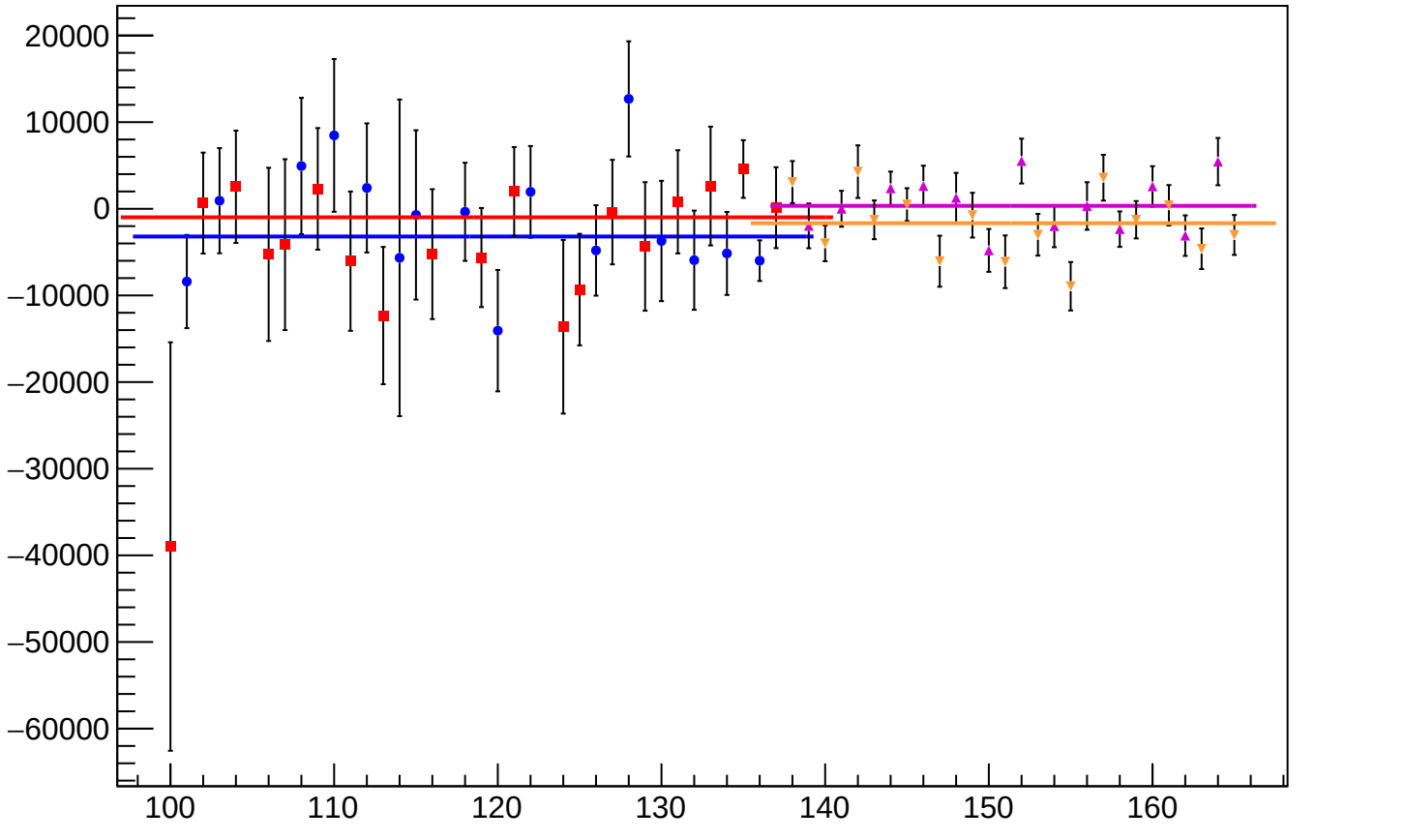
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

+ sign 280.244+/-0.046 χ^2/NDF: 995952.6/30

All: 282.442+/-0.033 χ^2/NDF: 2104983.8/62

- sign 284.806+/-0.048 χ^2/NDF: 1104298.0/31



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1663.995+/-622.939 χ^2/NDF:28.5/14

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

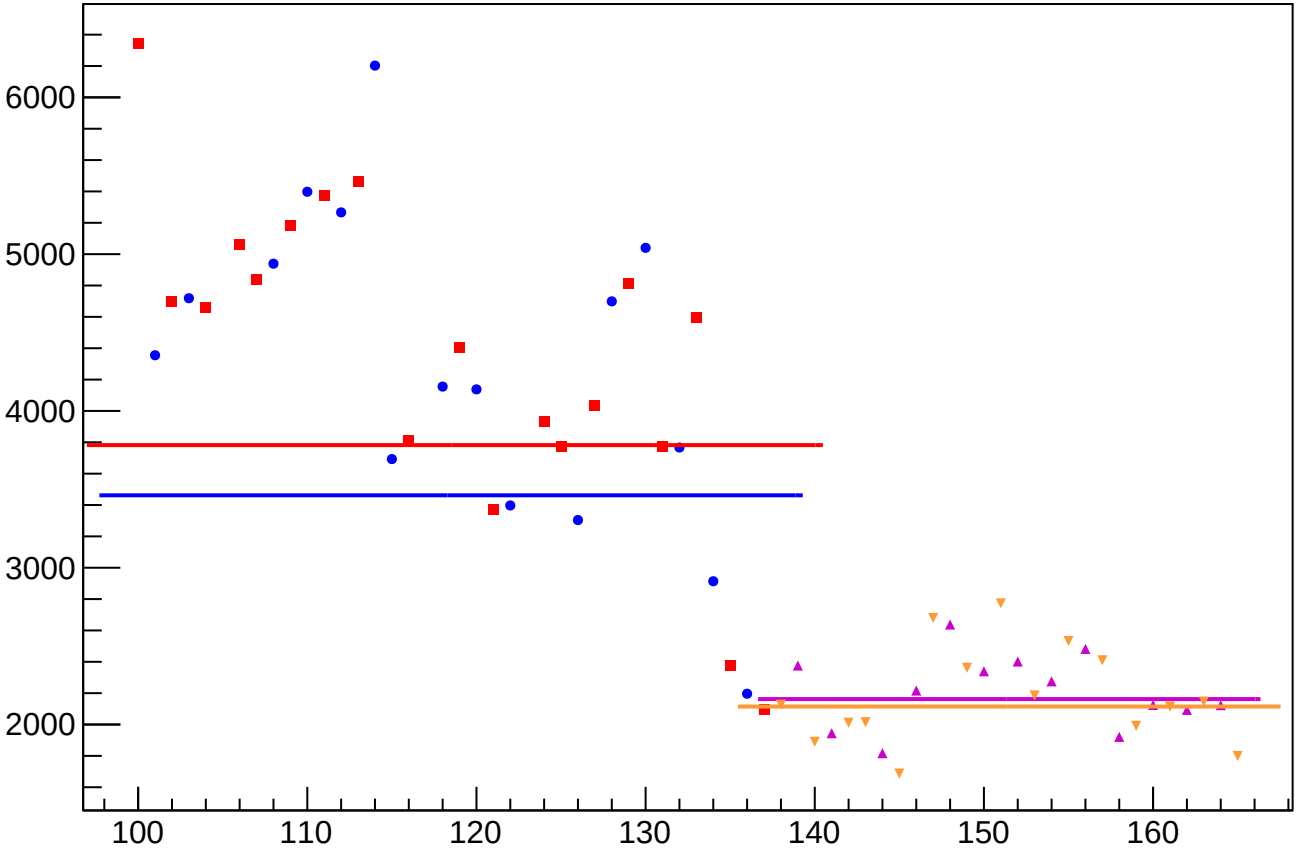
Left In: 343.170+/-658.320 χ^2/NDF:20.5/12

+ sign -1932.150+/-565.905 χ^2/NDF: 45.7/30

All: -966.546+/-411.389 χ^2/NDF: 87.0/62

- sign 115.649+/-599.096 χ^2/NDF: 35.2/31

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2114.665+/-0.440 χ^2/NDF:433124.4/14

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

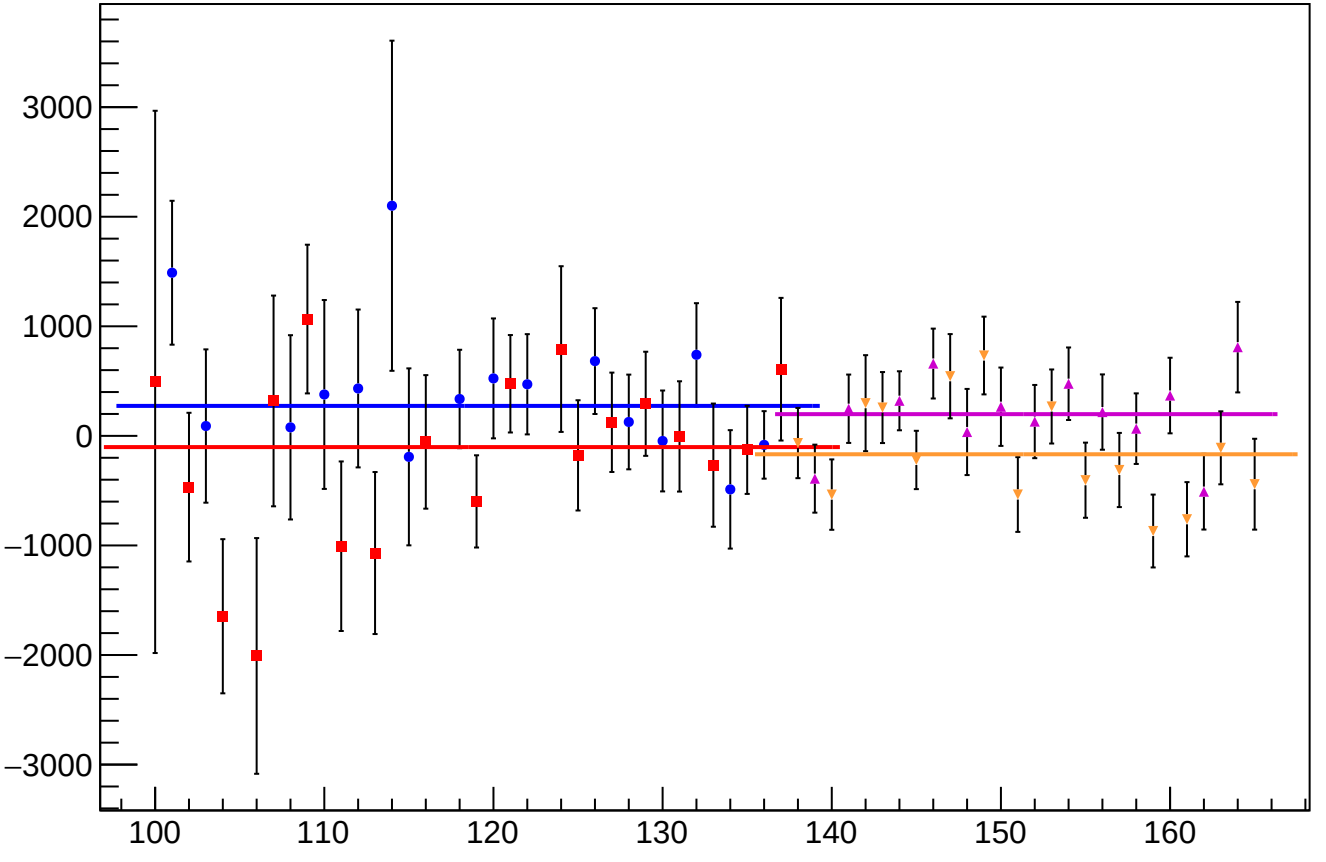
Left In: 2162.331+/-0.466 χ^2/NDF:244450.0/12

+ sign 2350.073+/-0.400 χ^2/NDF: 3377329.3/30

All: 2392.792+/-0.291 χ^2/NDF: 6862954.7/62

- sign 2440.669+/-0.424 χ^2/NDF: 3461455.5/31

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -167.882+/-87.657 χ^2/NDF:25.6/14

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

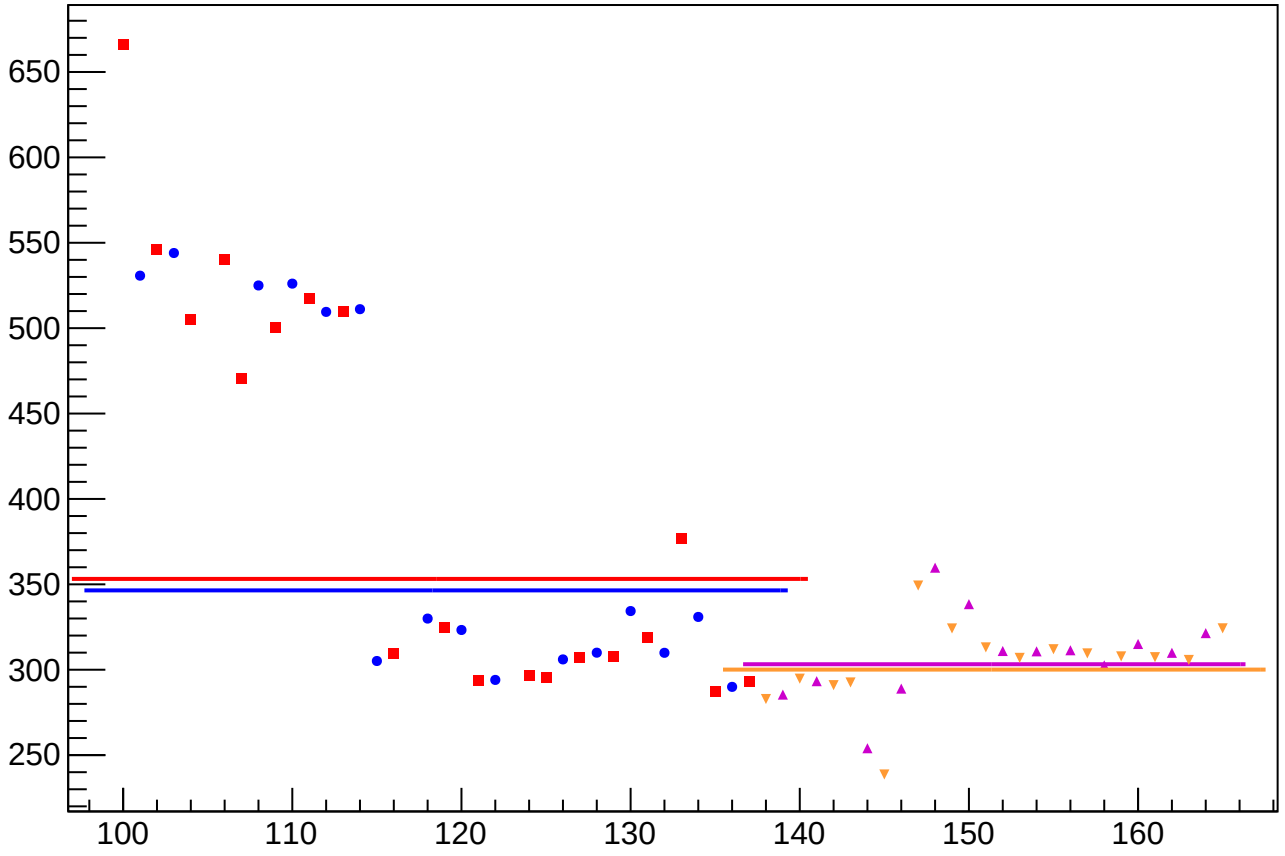
Left In: 198.228+/-92.290 χ^2/NDF:13.7/12

+ sign -33.543+/-73.113 χ^2/NDF: 44.8/30

All: 31.244+/-52.668 χ^2/NDF: 84.9/62

- sign 101.129+/-75.935 χ^2/NDF: 38.4/31

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 300.075+/-0.062 χ^2/NDF:173844.6/14

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

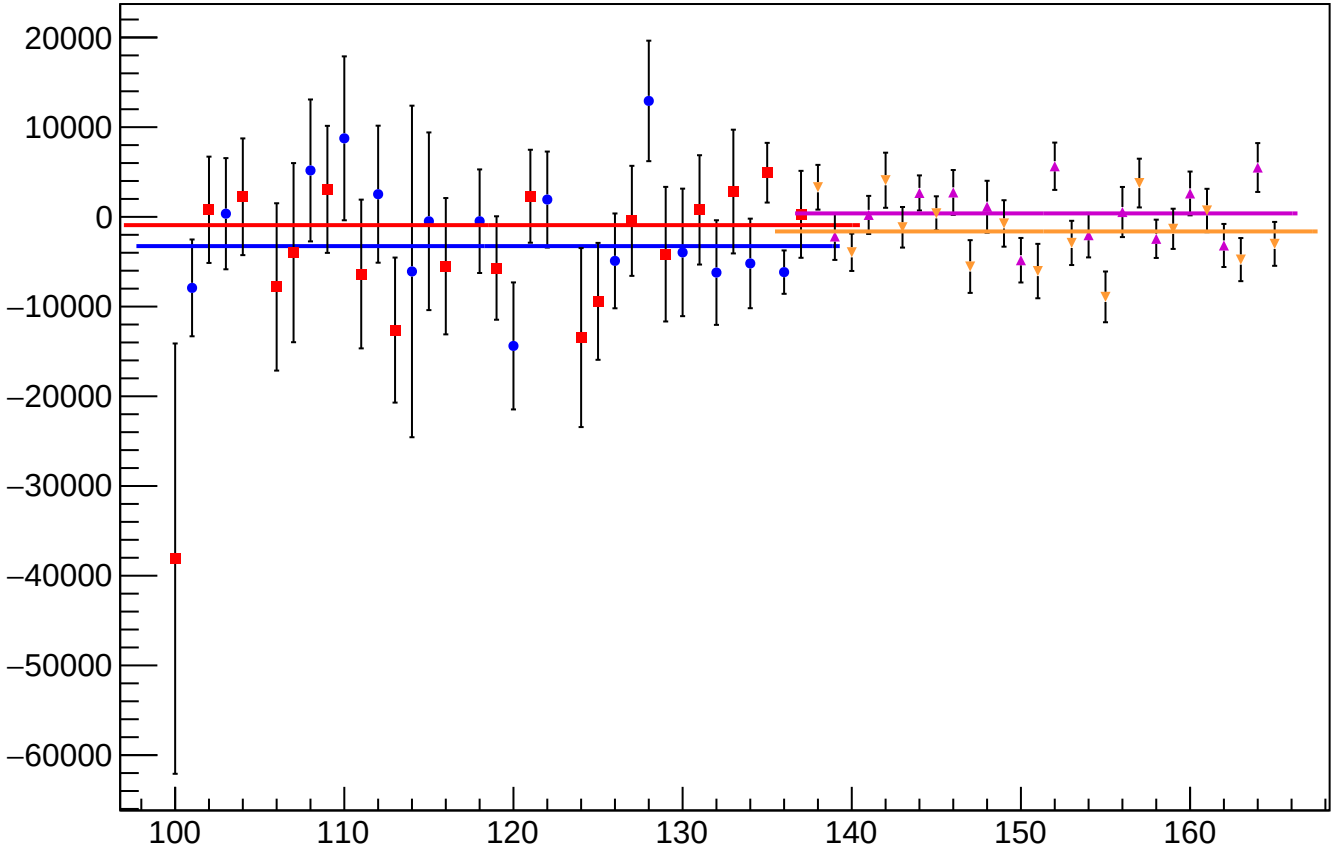
Left In: 303.216+/-0.065 χ^2/NDF:150325.6/12

+ sign 314.188+/-0.052 χ^2/NDF: 1112995.5/30

All: 316.674+/-0.037 χ^2/NDF: 2323821.2/62

- sign 319.355+/-0.054 χ^2/NDF: 1206021.5/31

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1622.750+/-635.043 χ^2/NDF:27.6/14

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

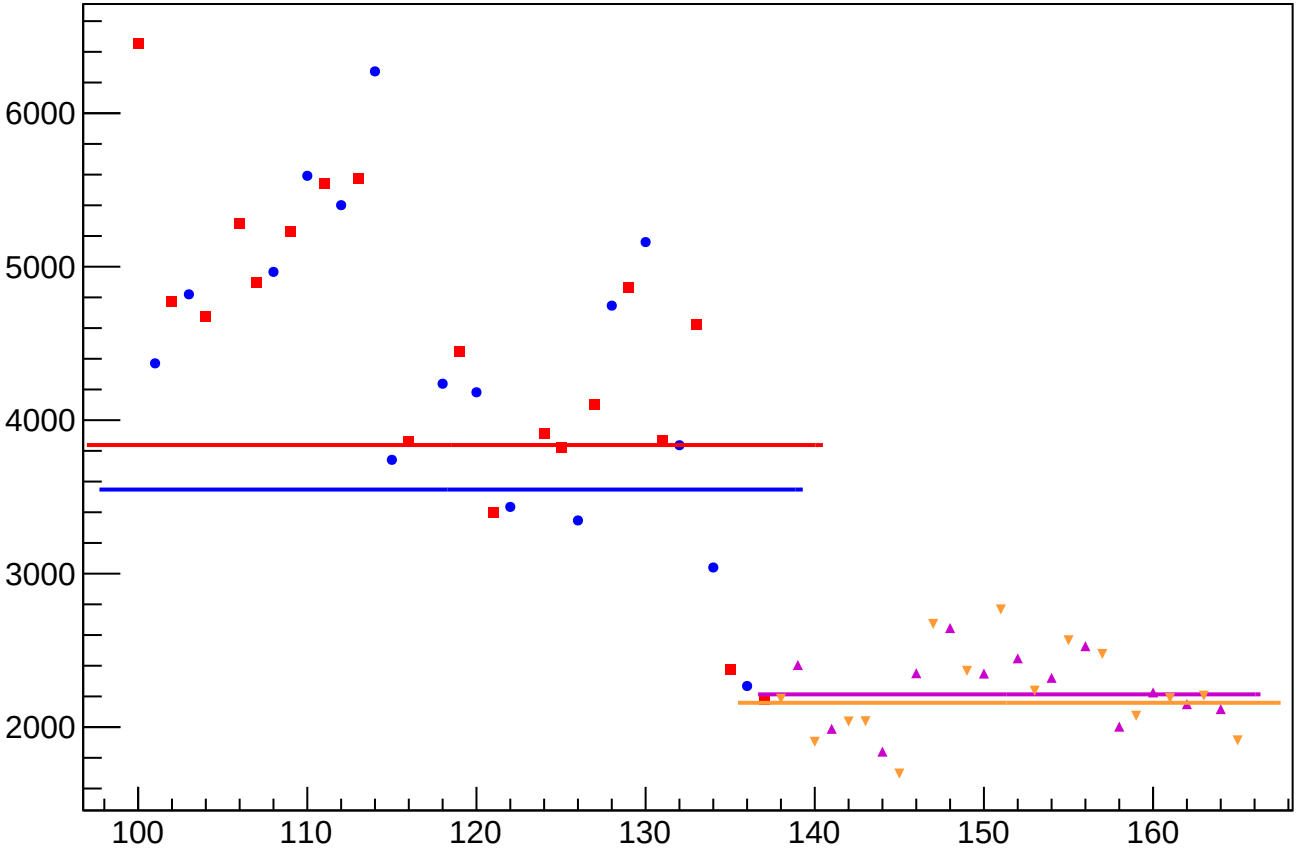
Left In: 387.318+/-673.714 χ^2/NDF:21.0/12

+ sign -1907.254+/-577.193 χ^2/NDF: 44.8/30

All: -934.751+/-419.832 χ^2/NDF: 87.1/62

- sign 157.792+/-611.780 χ^2/NDF: 36.3/31

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2158.586+/-0.449 χ^2/NDF:406070.1/14

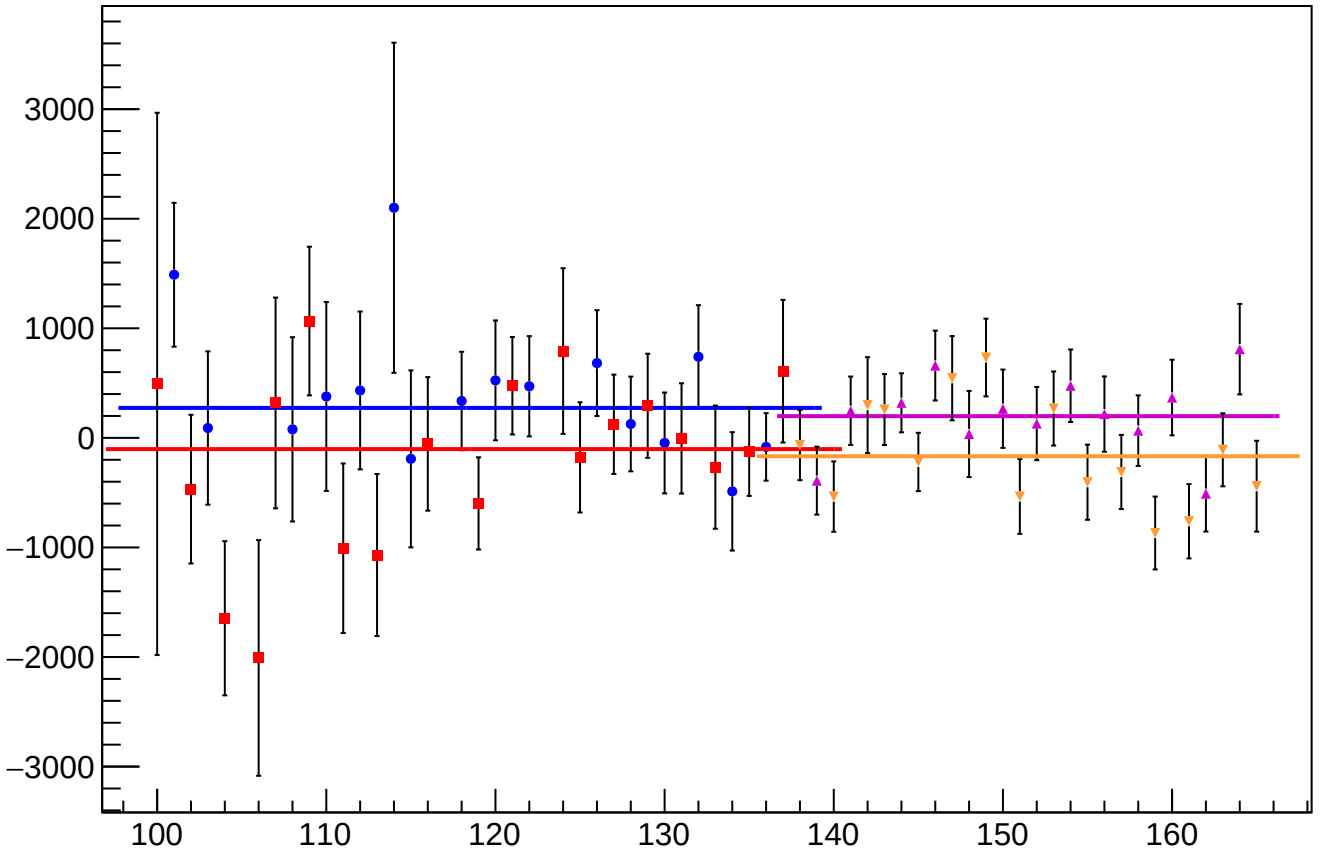
Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2213.484+/-0.476 χ^2/NDF:230939.6/12

+ sign 2400.190+/-0.408 χ^2/NDF: 3329313.1/30

All: 2446.456+/-0.297 χ^2/NDF: 6783052.1/62

- sign 2498.433+/-0.433 χ^2/NDF: 3426452.3/31



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -167.881+/-87.657 χ^2/NDF:25.6/14

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

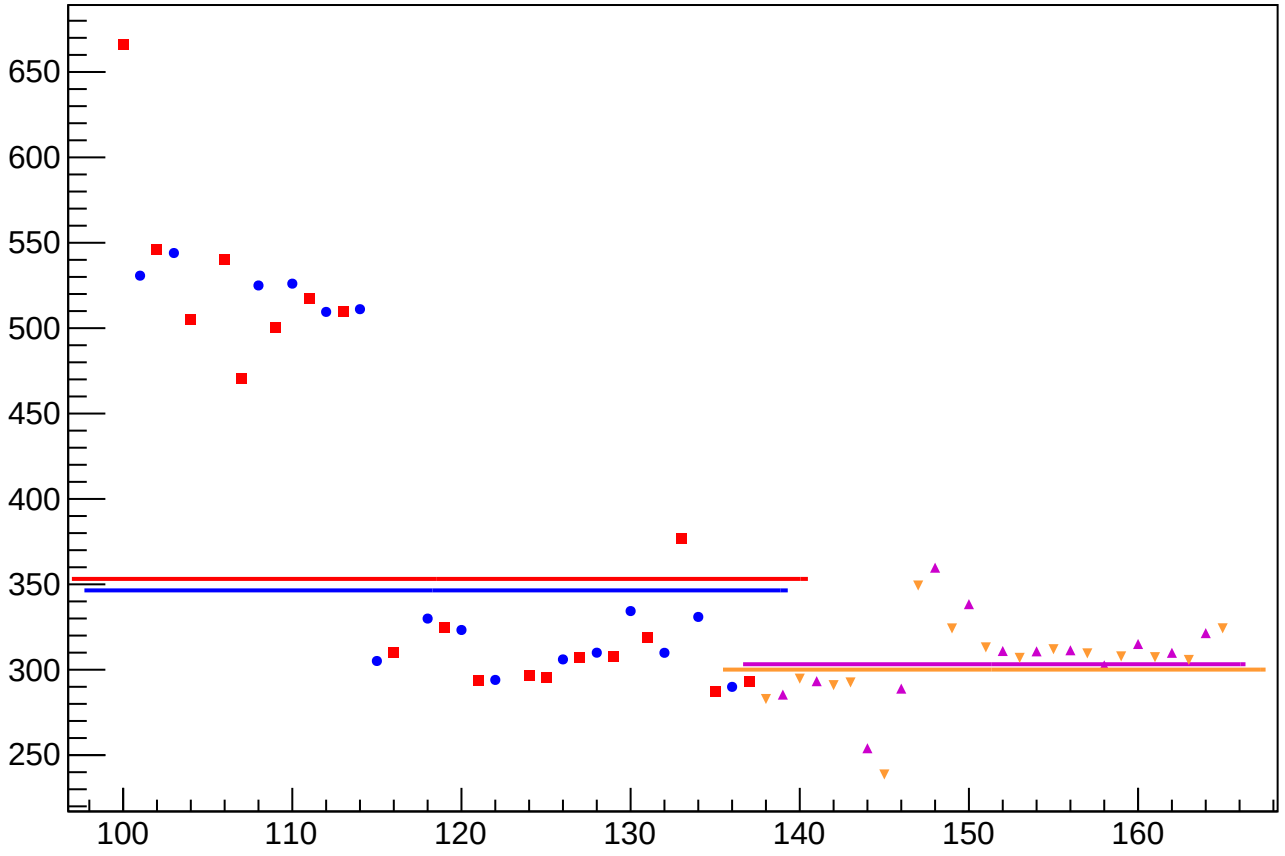
Left In: 198.232+/-92.290 χ^2/NDF:13.7/12

+ sign -33.540+/-73.113 χ^2/NDF: 44.8/30

All: 31.247+/-52.668 χ^2/NDF: 84.9/62

- sign 101.132+/-75.935 χ^2/NDF: 38.4/31

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 300.075+/-0.062 χ^2/NDF:173847.8/14

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

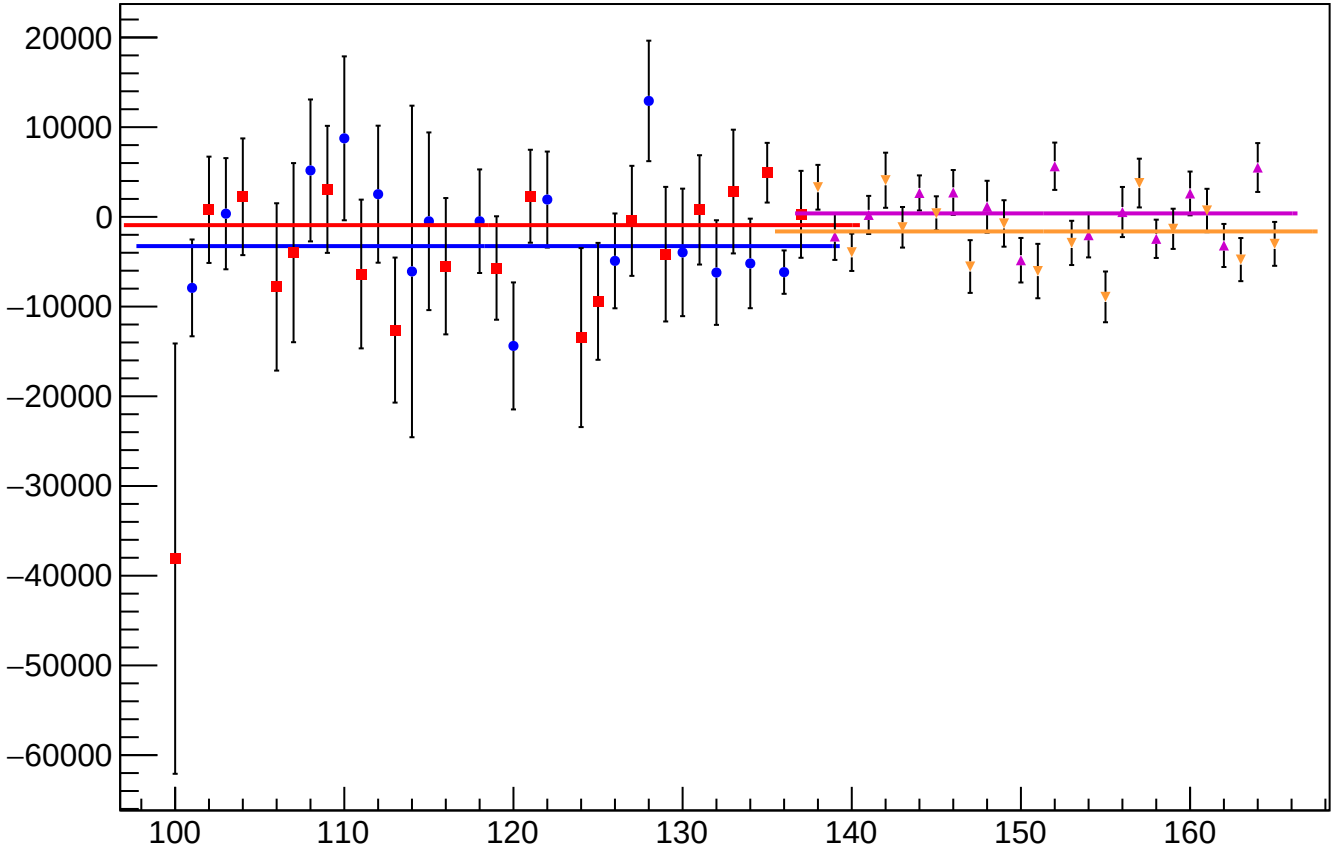
Left In: 303.216+/-0.065 χ^2/NDF:150327.7/12

+ sign 314.188+/-0.052 χ^2/NDF: 1112975.5/30

All: 316.673+/-0.037 χ^2/NDF: 2323784.1/62

- sign 319.354+/-0.054 χ^2/NDF: 1206004.2/31

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1622.746+/-635.043 χ^2/NDF:27.6/14

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

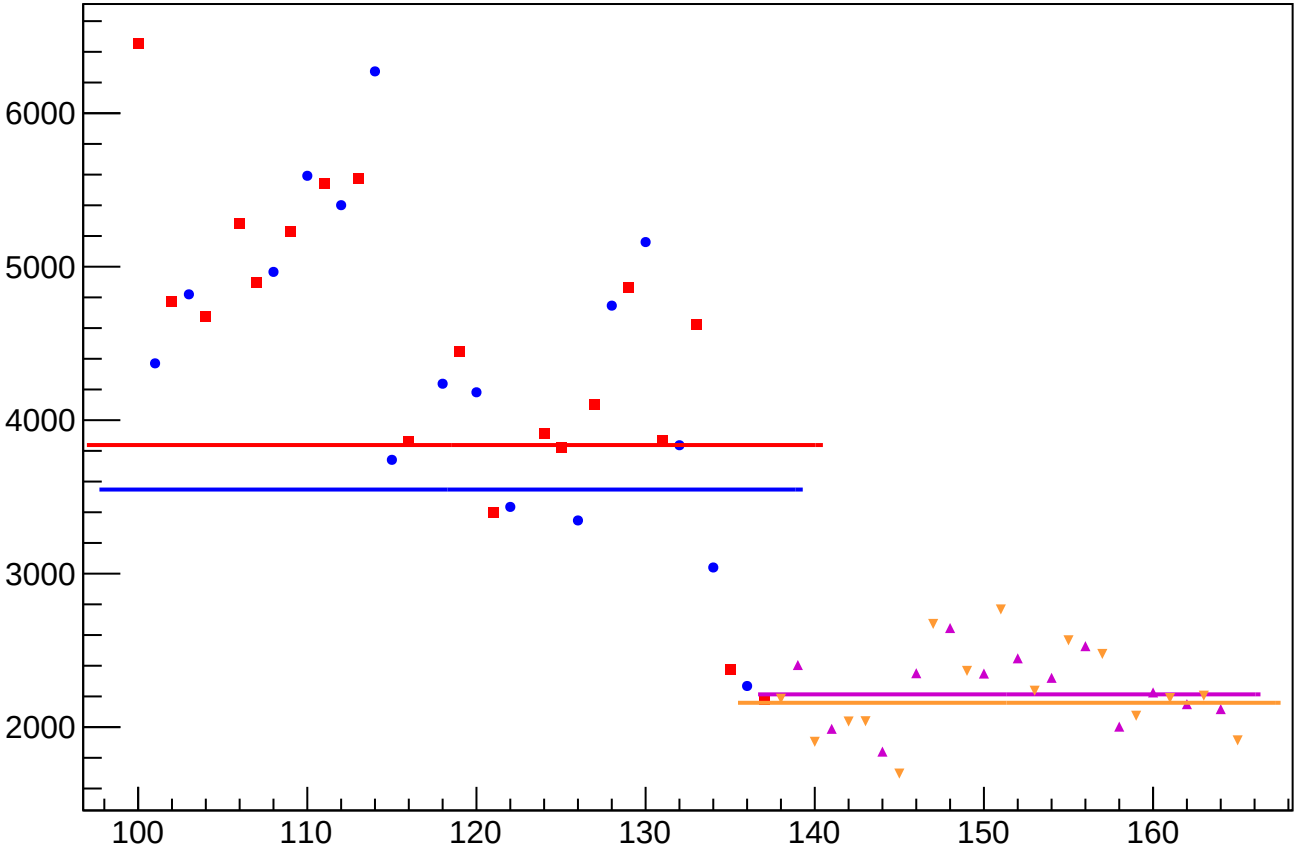
Left In: 387.316+/-673.714 χ^2/NDF:21.0/12

+ sign -1907.250+/-577.193 χ^2/NDF: 44.8/30

All: -934.750+/-419.832 χ^2/NDF: 87.1/62

- sign 157.790+/-611.779 χ^2/NDF: 36.3/31

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2158.585+/-0.449 χ^2/NDF:406076.5/14

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

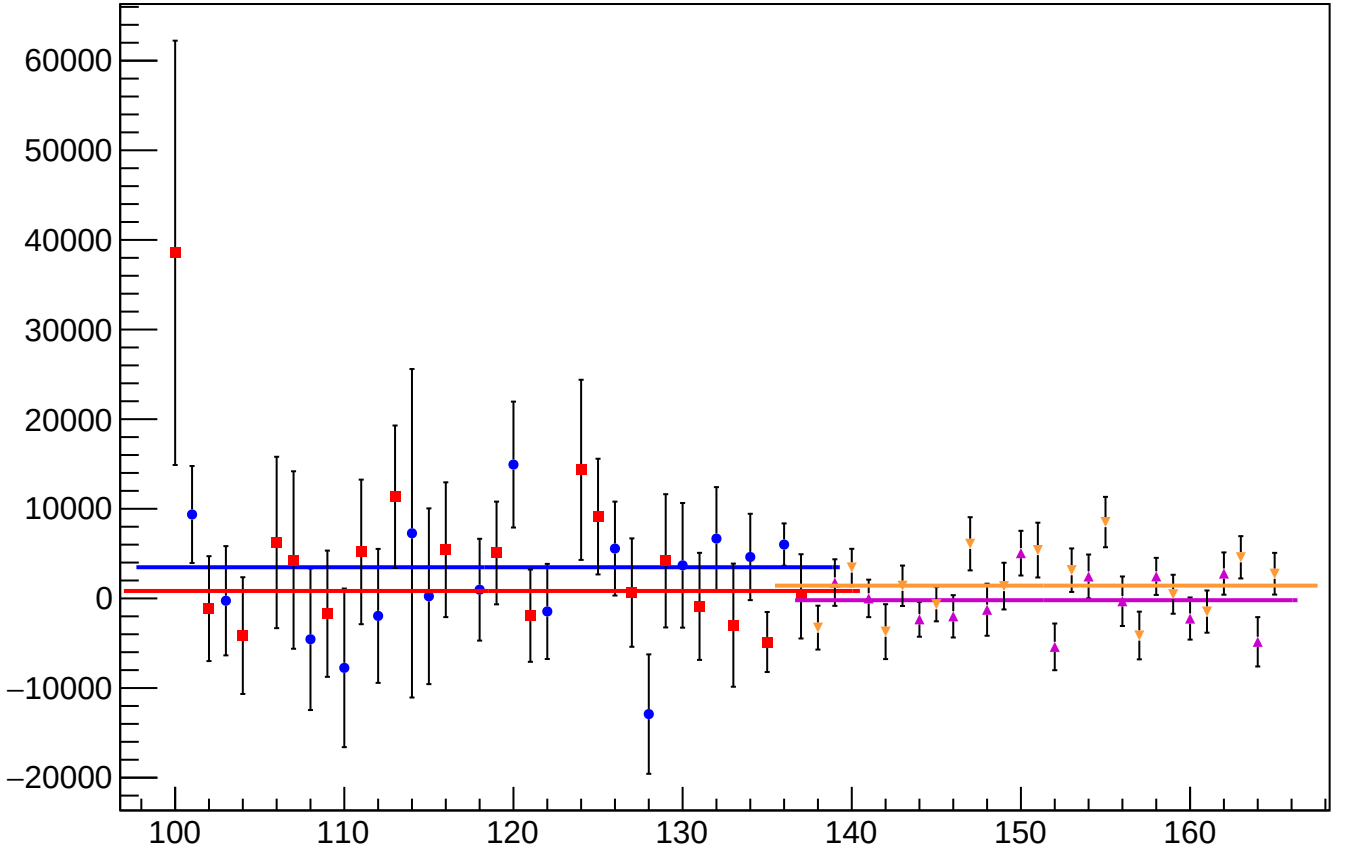
Left In: 2213.483+/-0.476 χ^2/NDF:230940.8/12

+ sign 2400.190+/-0.408 χ^2/NDF: 3329303.3/30

All: 2446.456+/-0.297 χ^2/NDF: 6783028.1/62

- sign 2498.433+/-0.433 χ^2/NDF: 3426437.9/31

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1427.454+/-628.032 χ^2/NDF:27.8/14

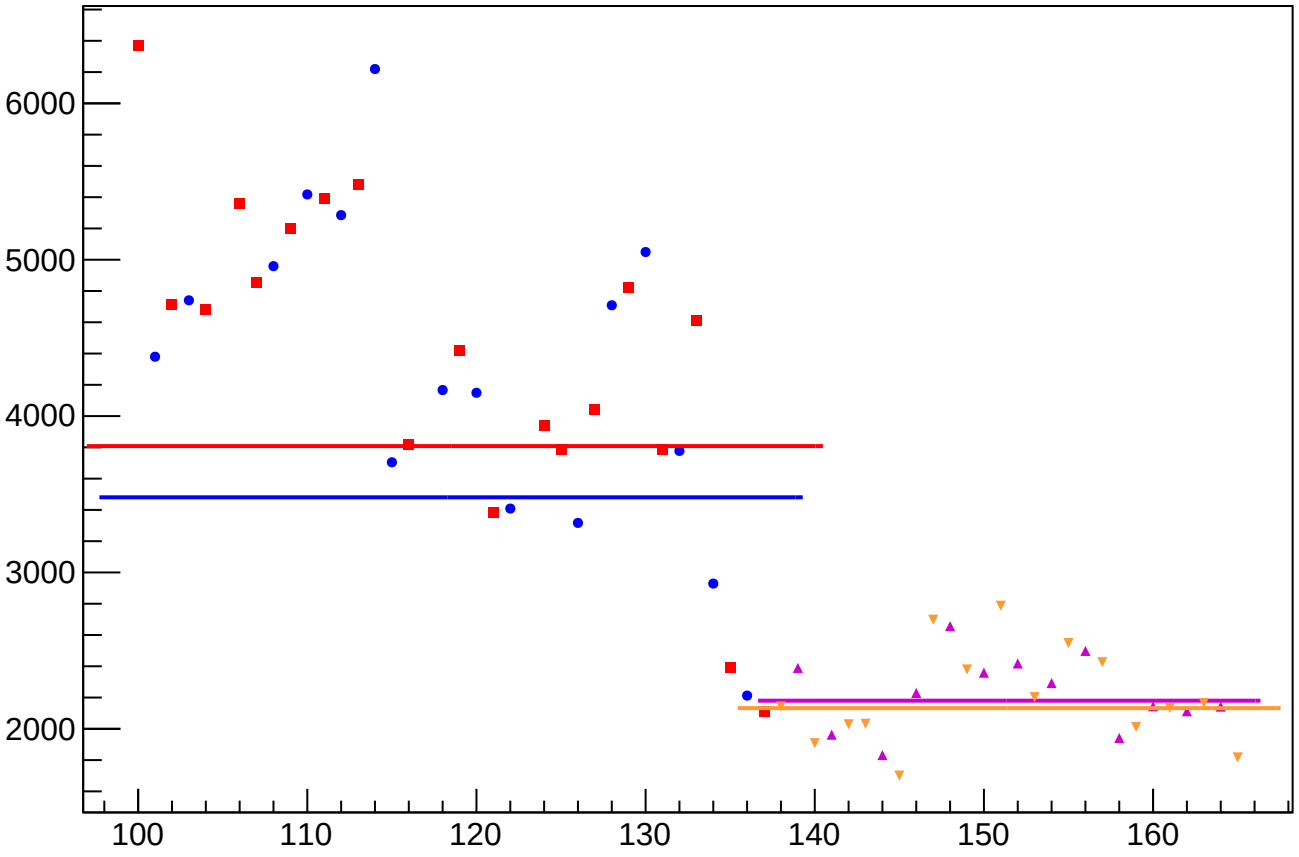
Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -198.375+/-663.611 χ^2/NDF:18.9/12

+ sign 1787.781+/-570.200 χ^2/NDF: 46.0/30

All: 935.093+/-414.430 χ^2/NDF: 84.1/62

- sign -19.761+/-603.393 χ^2/NDF: 33.4/31



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2132.409+/-0.444 χ^2/NDF:426958.8/14

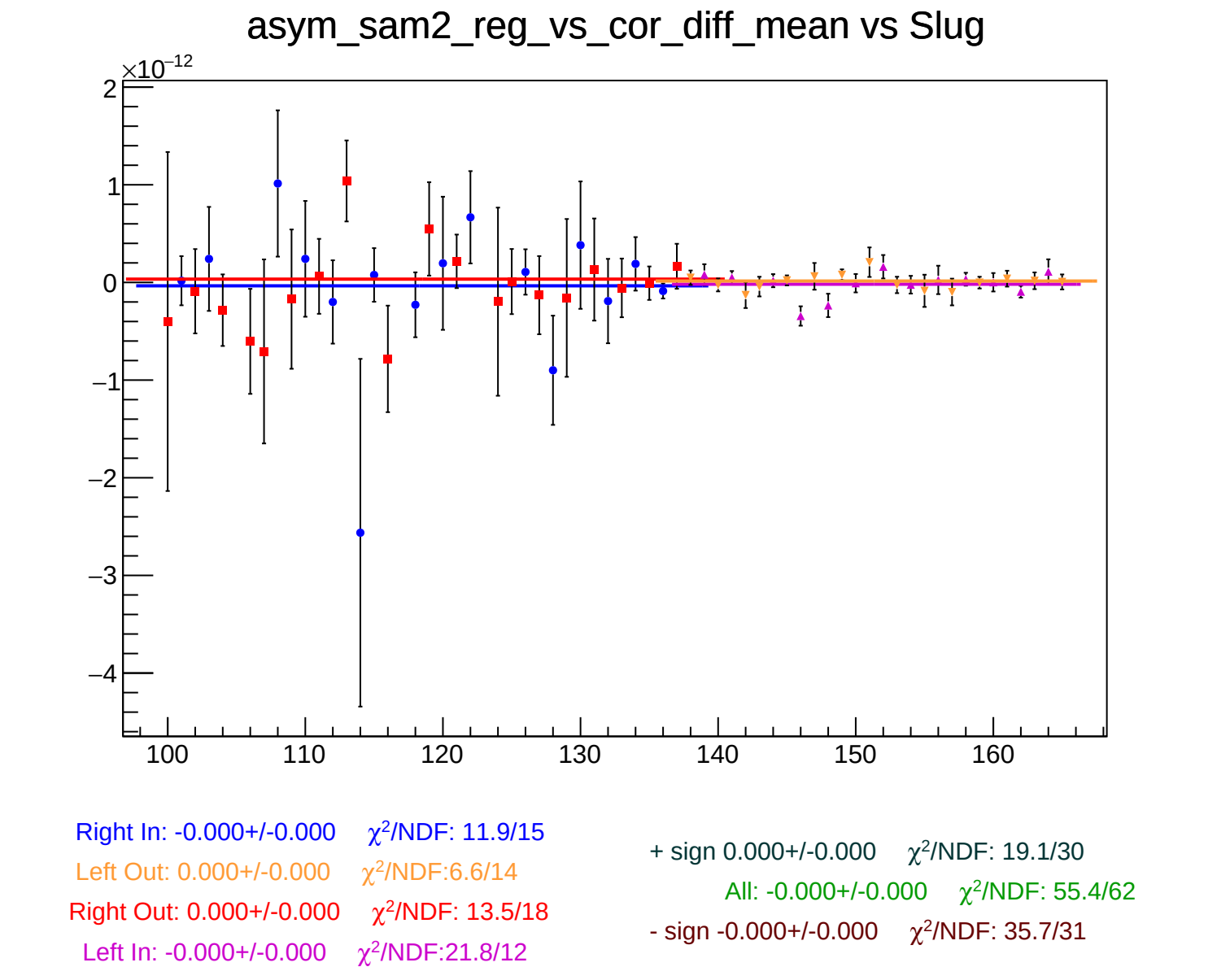
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

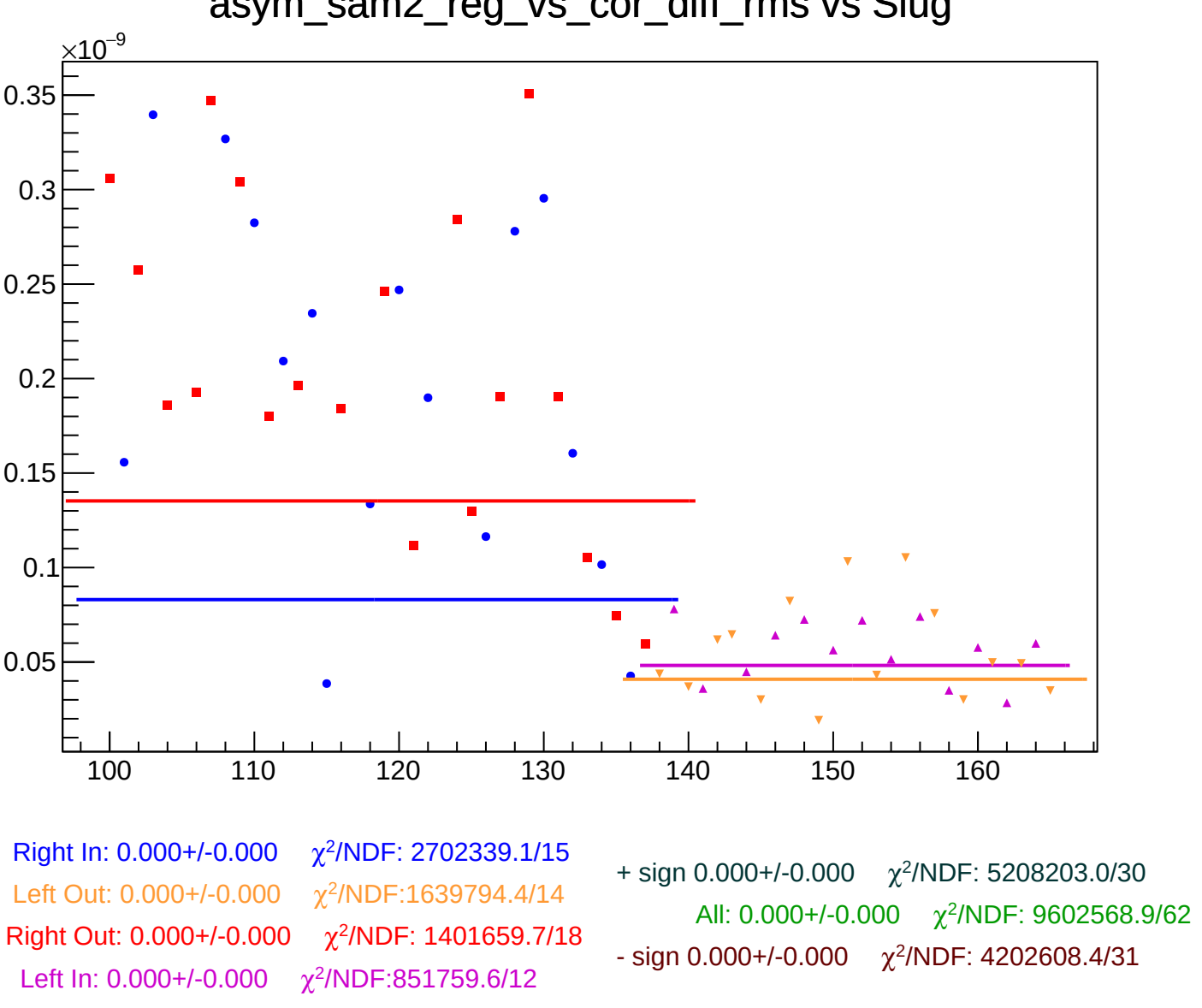
Left In: 2180.026+/-0.469 χ^2/NDF:240187.9/12

+ sign 2369.266+/-0.403 χ^2/NDF: 3342767.6/30

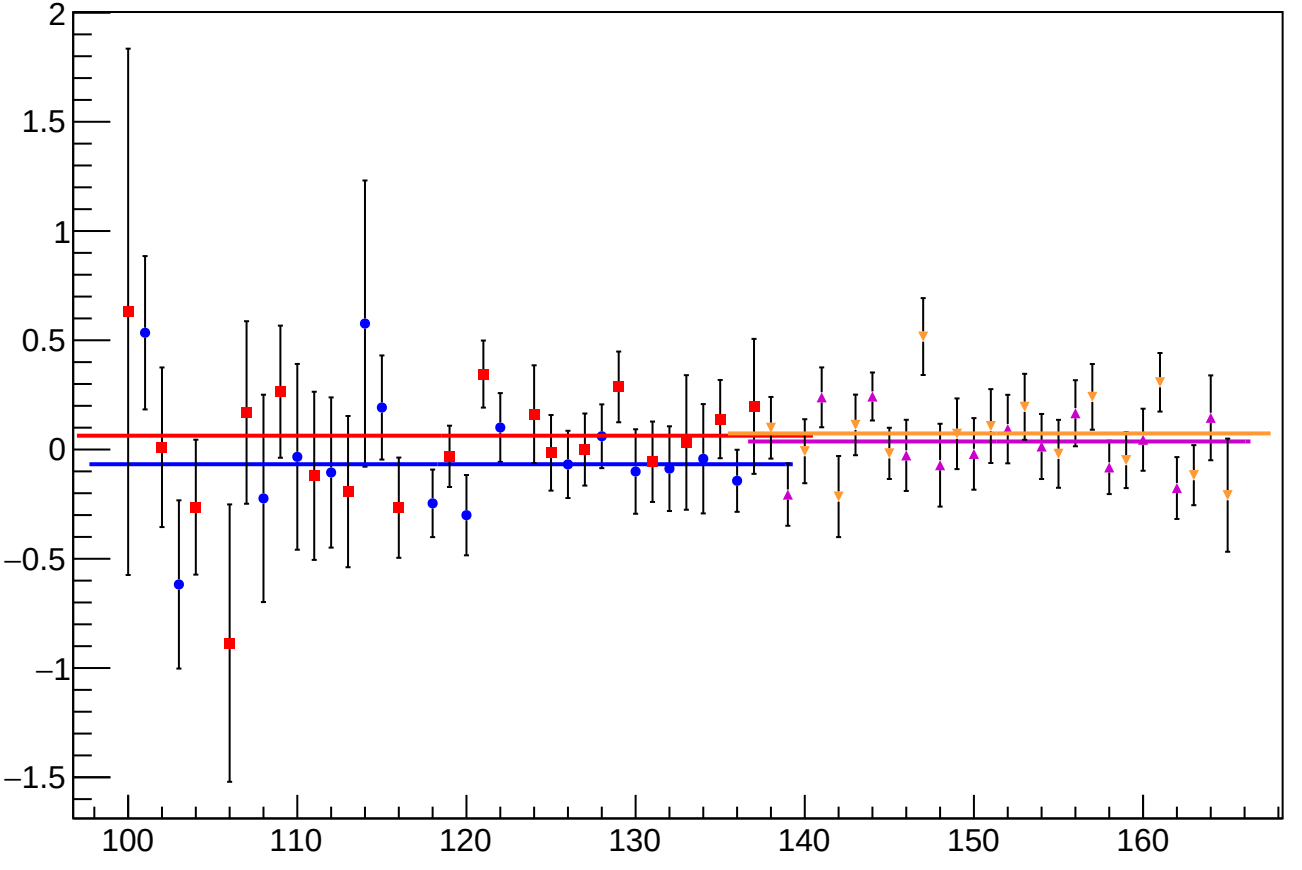
All: 2413.059+/-0.293 χ^2/NDF: 6841238.9/62

- sign 2462.100+/-0.427 χ^2/NDF: 3473462.9/31


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:21.8/12
+ sign 0.000+/-0.000 χ²/NDF: 19.1/30
All: -0.000+/-0.000 χ²/NDF: 55.4/62
- sign -0.000+/-0.000 χ²/NDF: 35.7/31


asym_sam2_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2702339.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1639794.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:851759.6/12
+ sign 0.000+/-0.000 χ²/NDF: 5208203.0/30
All: 0.000+/-0.000 χ²/NDF: 9602568.9/62
- sign 0.000+/-0.000 χ²/NDF: 4202608.4/31

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

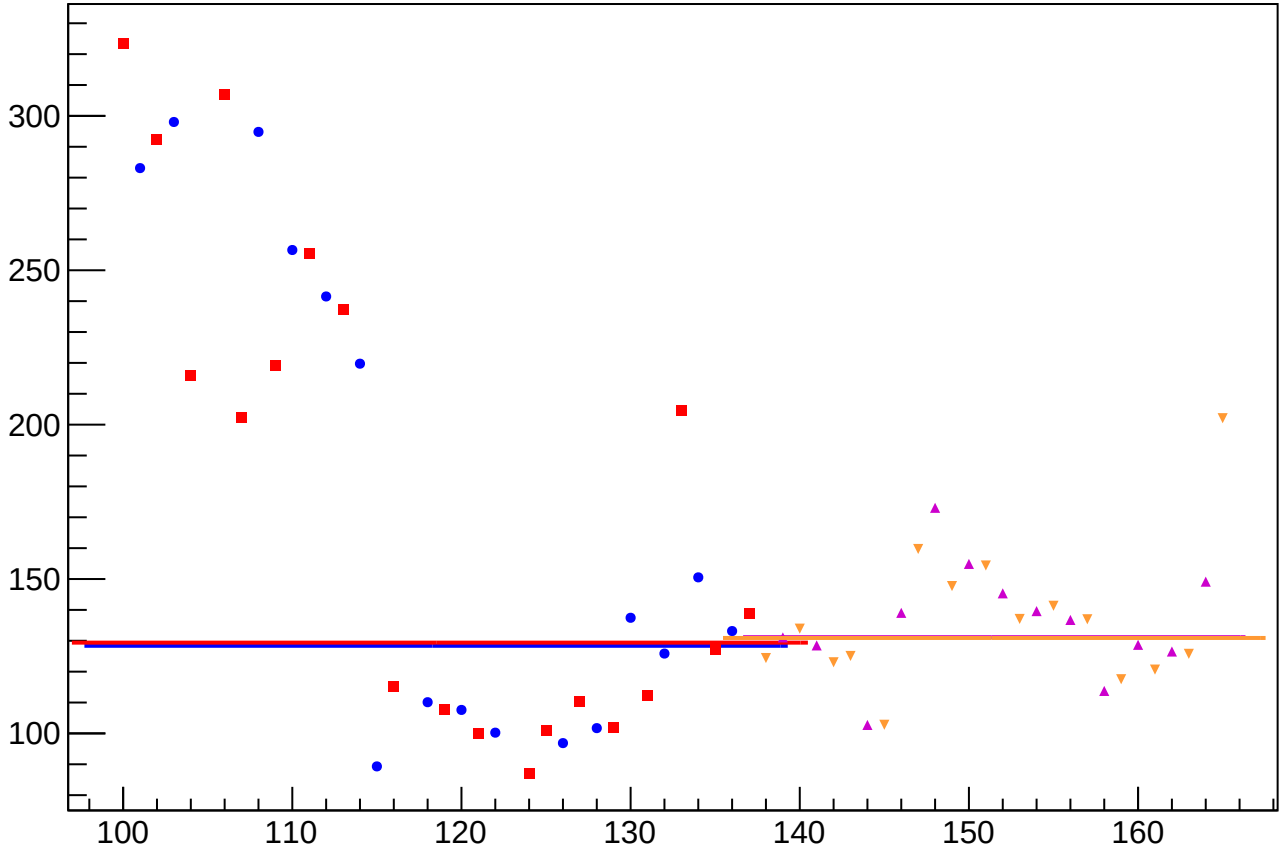
Left In: 0.037+/-0.040 χ^2/NDF:13.6/12

+ sign 0.023+/-0.031 χ^2/NDF: 36.4/30

All: 0.035+/-0.022 χ^2/NDF: 64.5/62

- sign 0.047+/-0.032 χ^2/NDF: 27.8/31

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.913+/-0.027 χ^2/NDF:444287.3/14

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

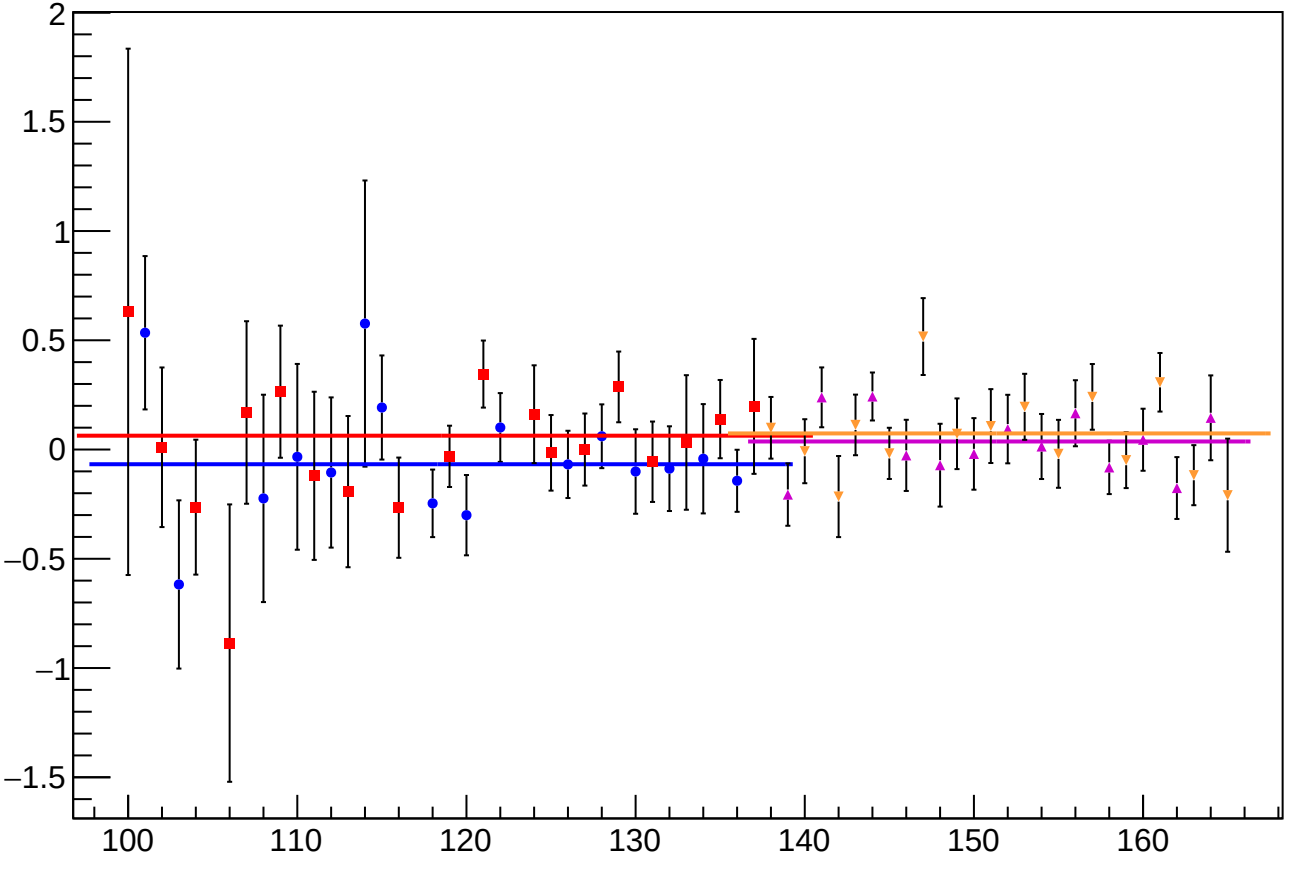
Left In: 131.173+/-0.029 χ^2/NDF:365289.2/12

+ sign 130.007+/-0.022 χ^2/NDF: 2252441.4/30

All: 130.246+/-0.016 χ^2/NDF: 4507710.8/62

- sign 130.498+/-0.023 χ^2/NDF: 2255024.8/31

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

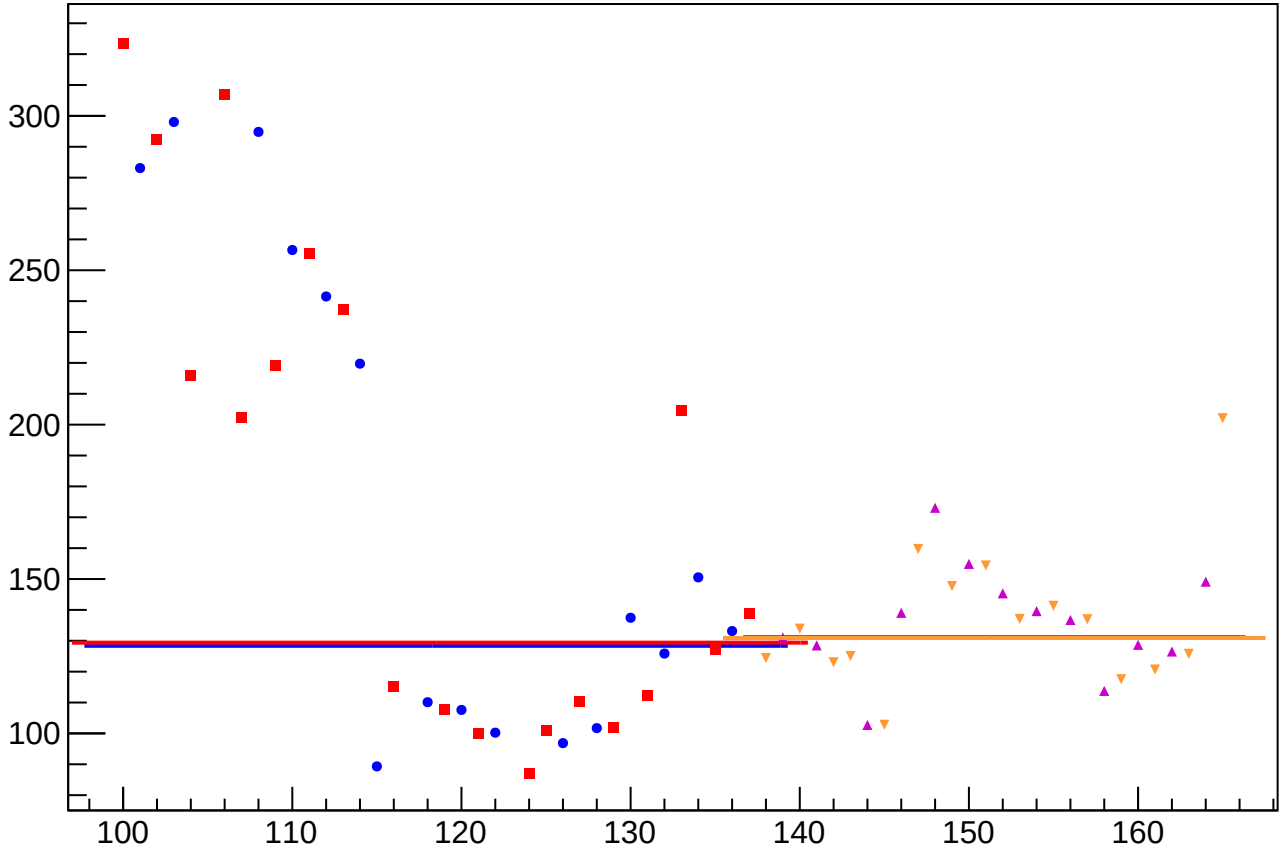
Left In: 0.037+/-0.040 χ^2/NDF:13.6/12

+ sign 0.023+/-0.031 χ^2/NDF: 36.4/30

All: 0.035+/-0.022 χ^2/NDF: 64.5/62

- sign 0.047+/-0.032 χ^2/NDF: 27.8/31

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.913+/-0.027 χ^2/NDF:444287.3/14

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

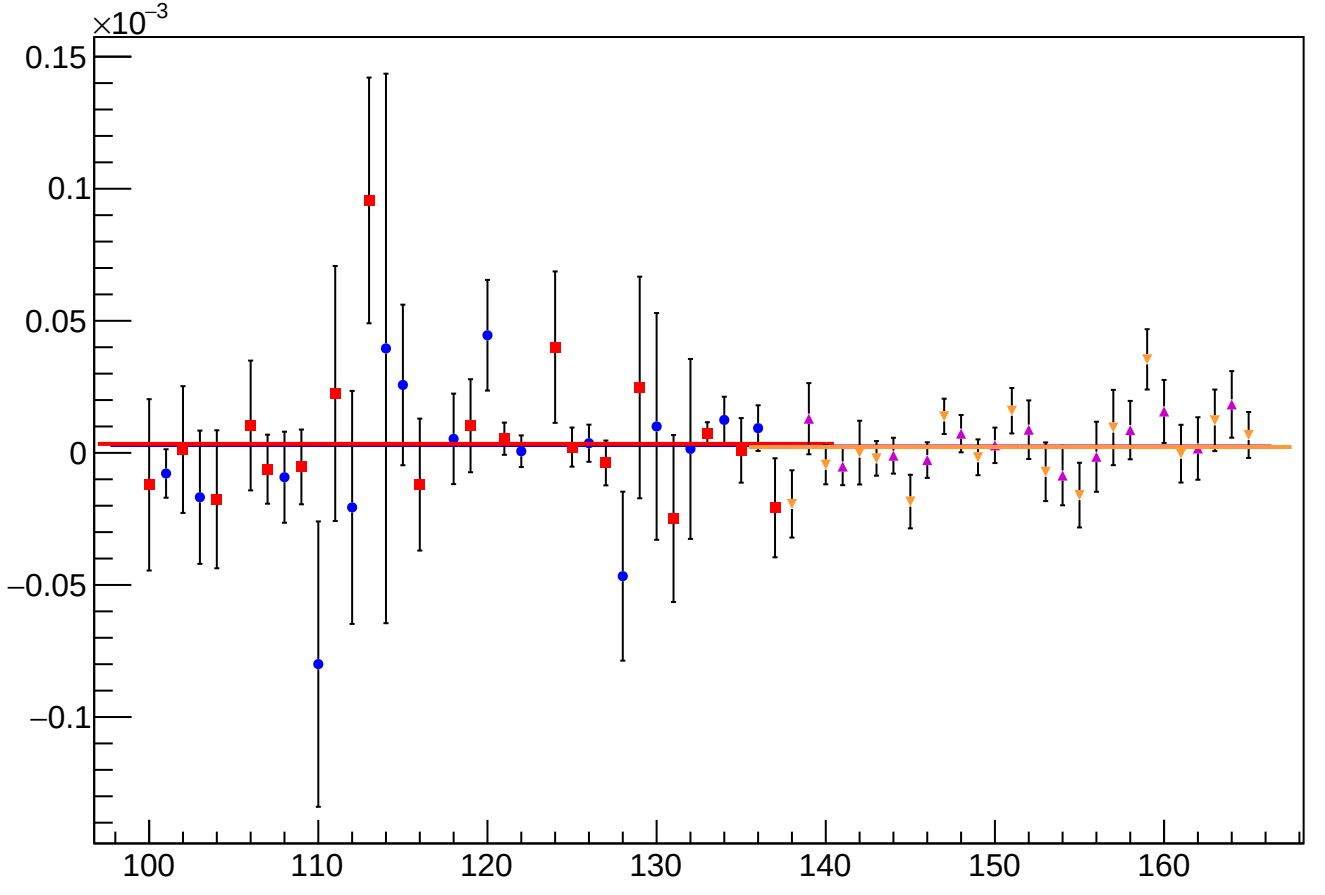
Left In: 131.173+/-0.029 χ^2/NDF:365289.2/12

+ sign 130.007+/-0.022 χ^2/NDF: 2252441.4/30

All: 130.246+/-0.016 χ^2/NDF: 4507710.8/62

- sign 130.498+/-0.023 χ^2/NDF: 2255024.8/31

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:26.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

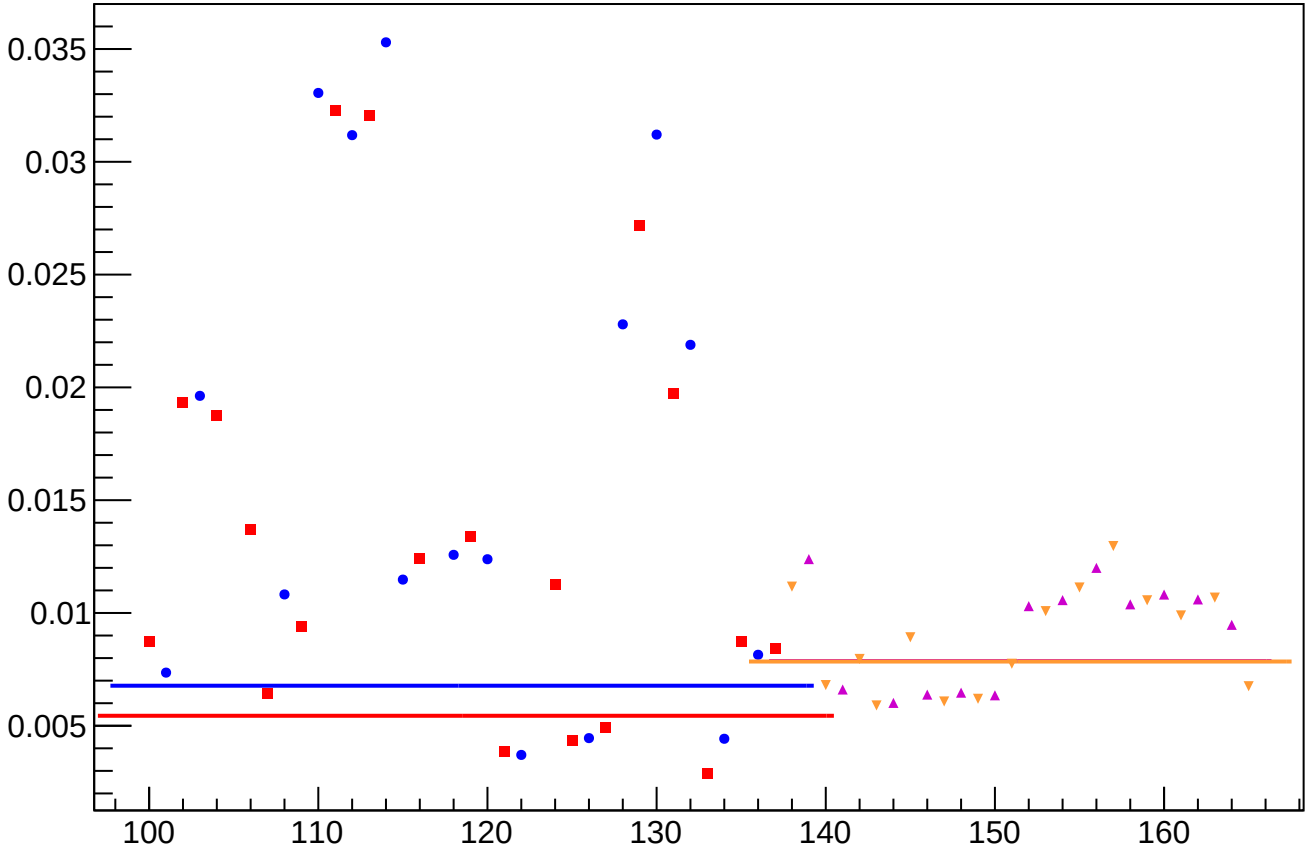
Left In: 0.000+/-0.000 χ^2/NDF:7.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/30

All: 0.000+/-0.000 χ^2/NDF: 61.3/62

- sign 0.000+/-0.000 χ^2/NDF: 20.3/31

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1449149.4/14

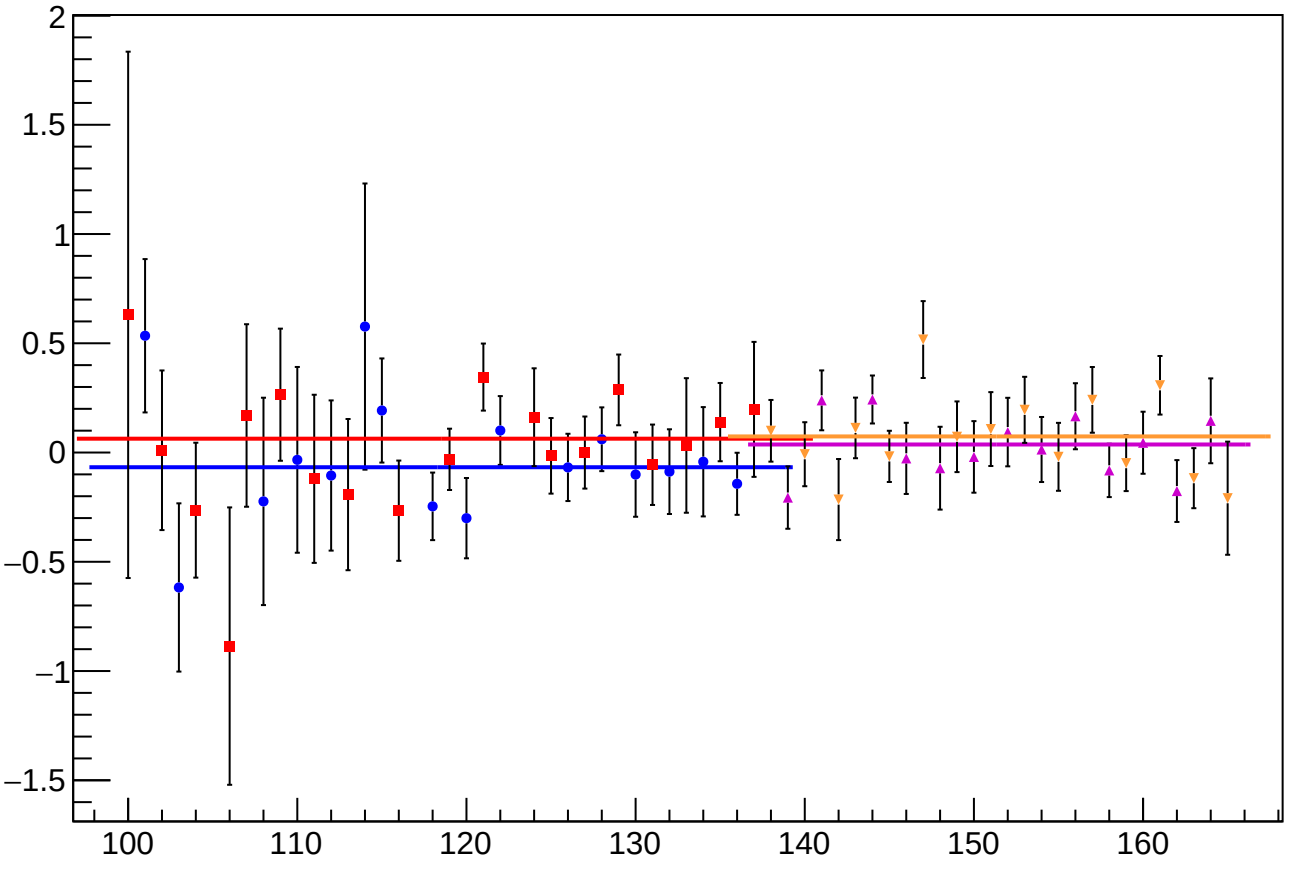
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1486575.6/12

+ sign 0.007+/-0.000 χ^2/NDF: 6370004.5/30

All: 0.007+/-0.000 χ^2/NDF: 14507030.7/62

- sign 0.007+/-0.000 χ^2/NDF: 7971485.6/31



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

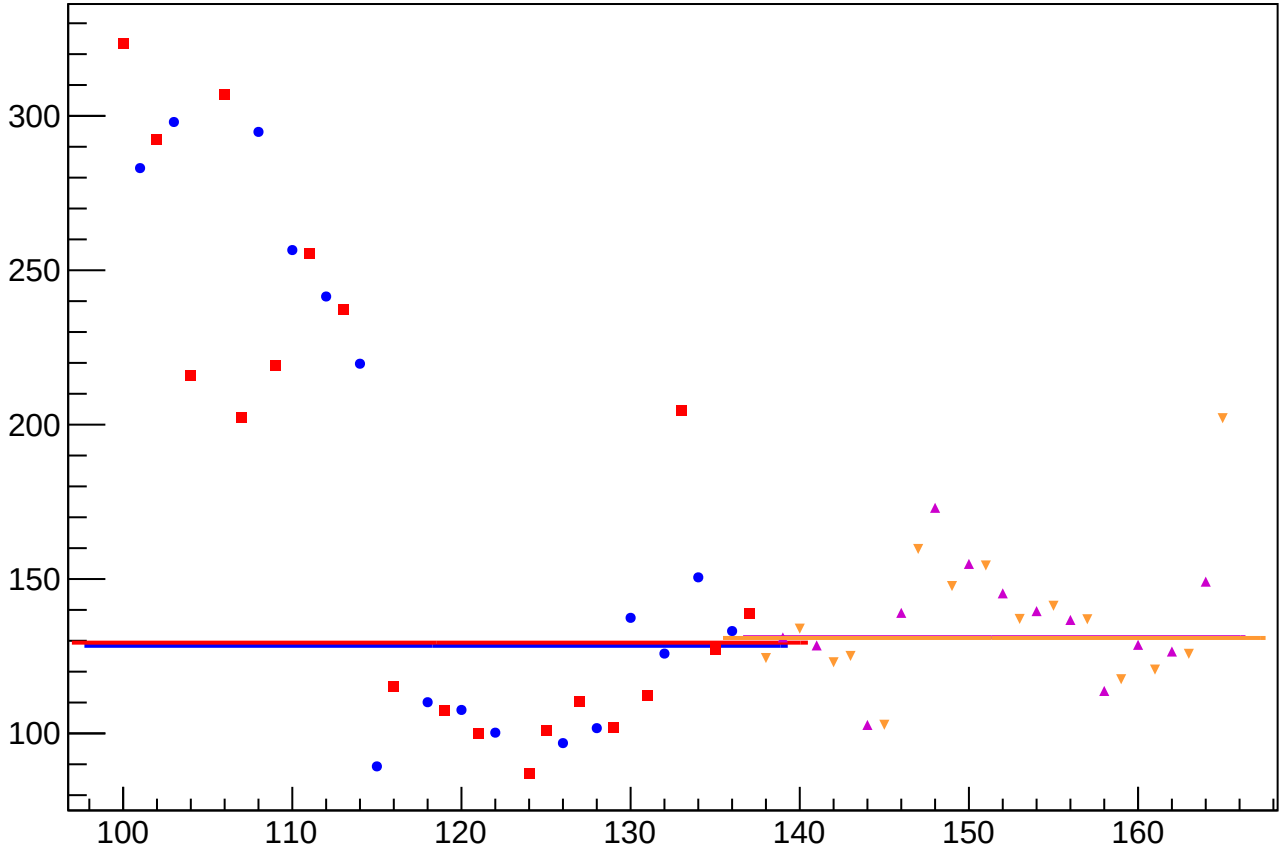
Left In: 0.037+/-0.040 χ^2/NDF:13.6/12

+ sign 0.023+/-0.031 χ^2/NDF: 36.4/30

All: 0.035+/-0.022 χ^2/NDF: 64.5/62

- sign 0.047+/-0.032 χ^2/NDF: 27.8/31

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.913+/-0.027 χ^2/NDF:444316.8/14

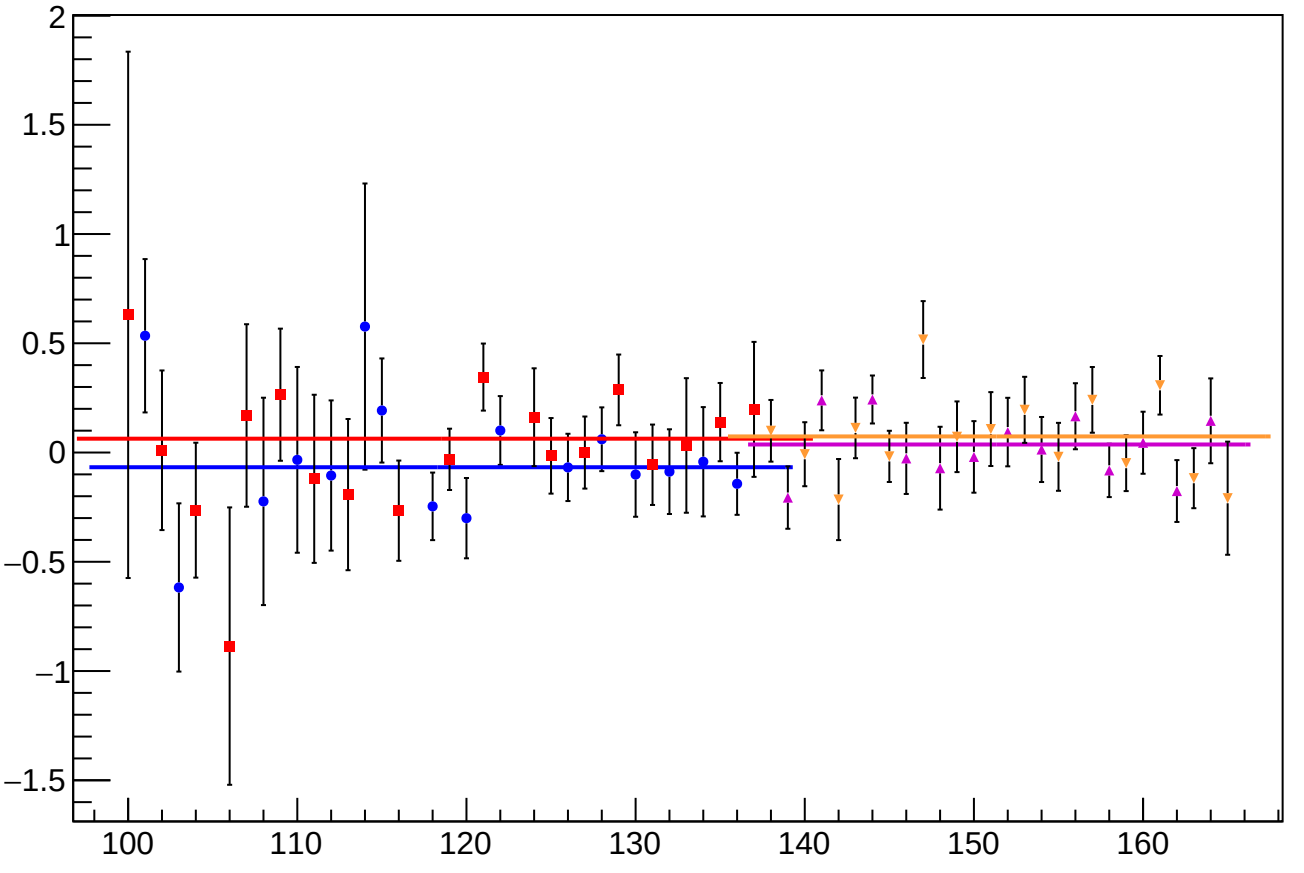
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 131.173+/-0.029 χ^2/NDF:365312.1/12

+ sign 130.006+/-0.022 χ^2/NDF: 2252426.4/30

All: 130.244+/-0.016 χ^2/NDF: 4507724.6/62

- sign 130.497+/-0.023 χ^2/NDF: 2255053.7/31



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.074+/-0.039 χ^2/NDF:19.2/14

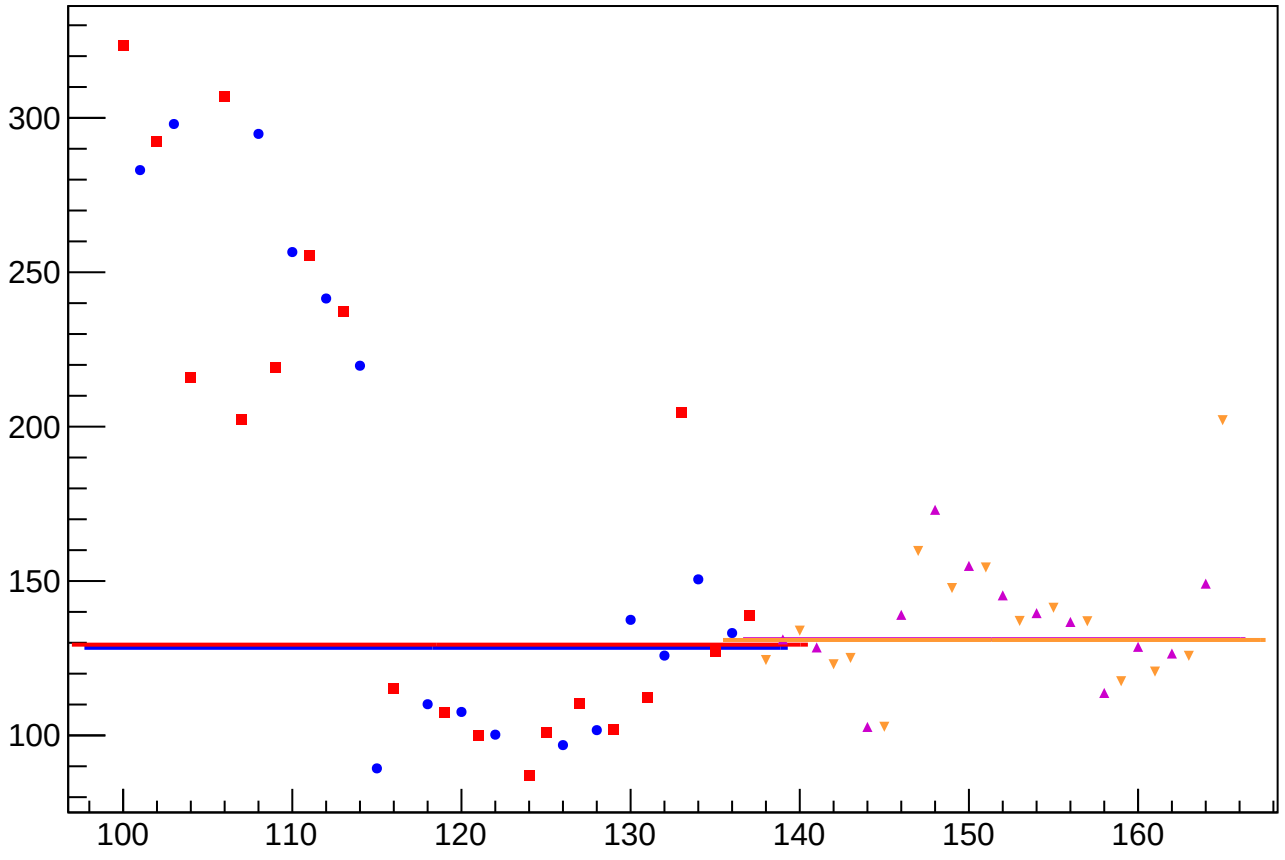
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.037+/-0.040 χ^2/NDF:13.6/12

+ sign 0.023+/-0.031 χ^2/NDF: 36.4/30

All: 0.035+/-0.022 χ^2/NDF: 64.5/62

- sign 0.047+/-0.032 χ^2/NDF: 27.8/31



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.913+/-0.027 χ^2/NDF:444316.8/14

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

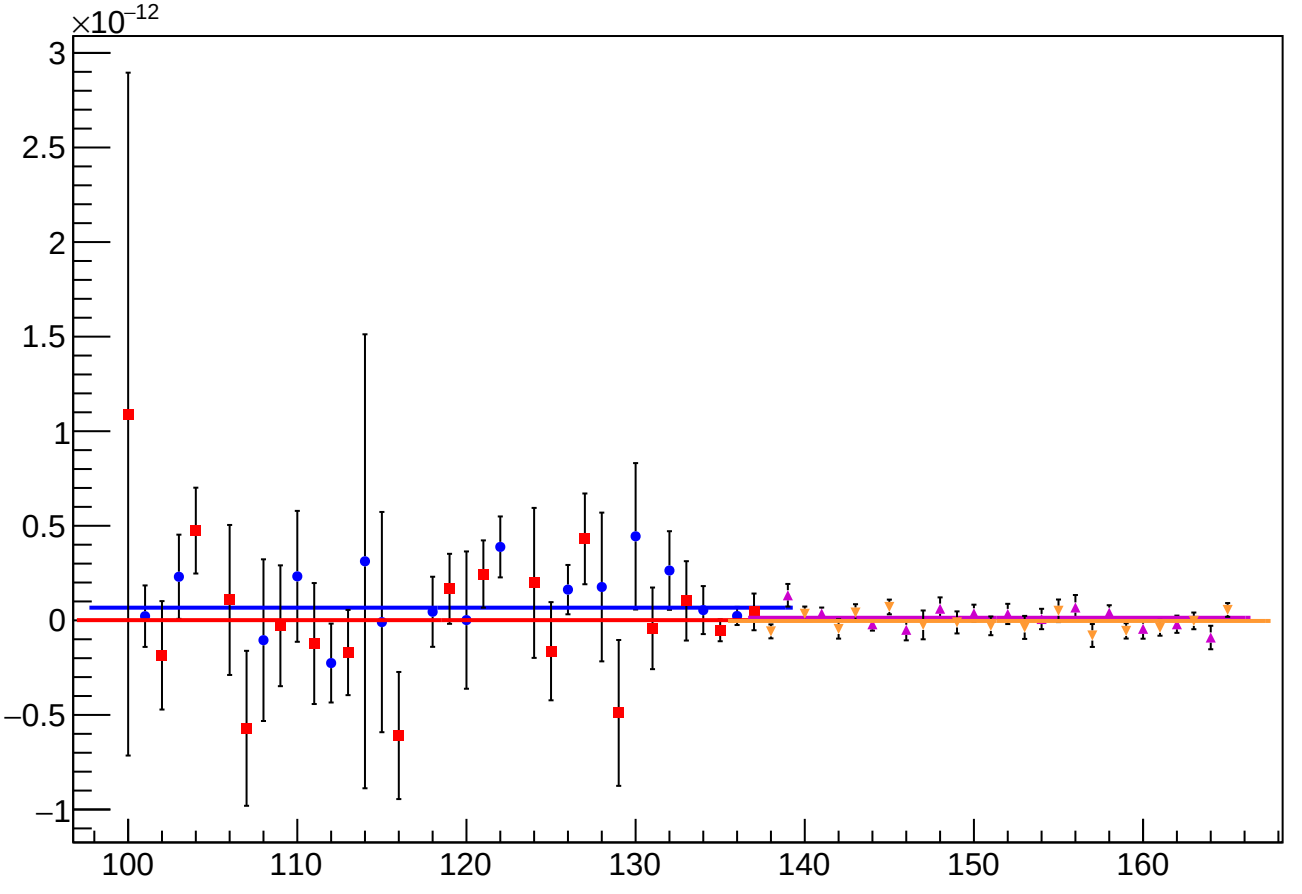
Left In: 131.173+/-0.029 χ^2/NDF:365312.1/12

+ sign 130.006+/-0.022 χ^2/NDF: 2252426.4/30

All: 130.244+/-0.016 χ^2/NDF: 4507724.6/62

- sign 130.497+/-0.023 χ^2/NDF: 2255053.7/31

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:16.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

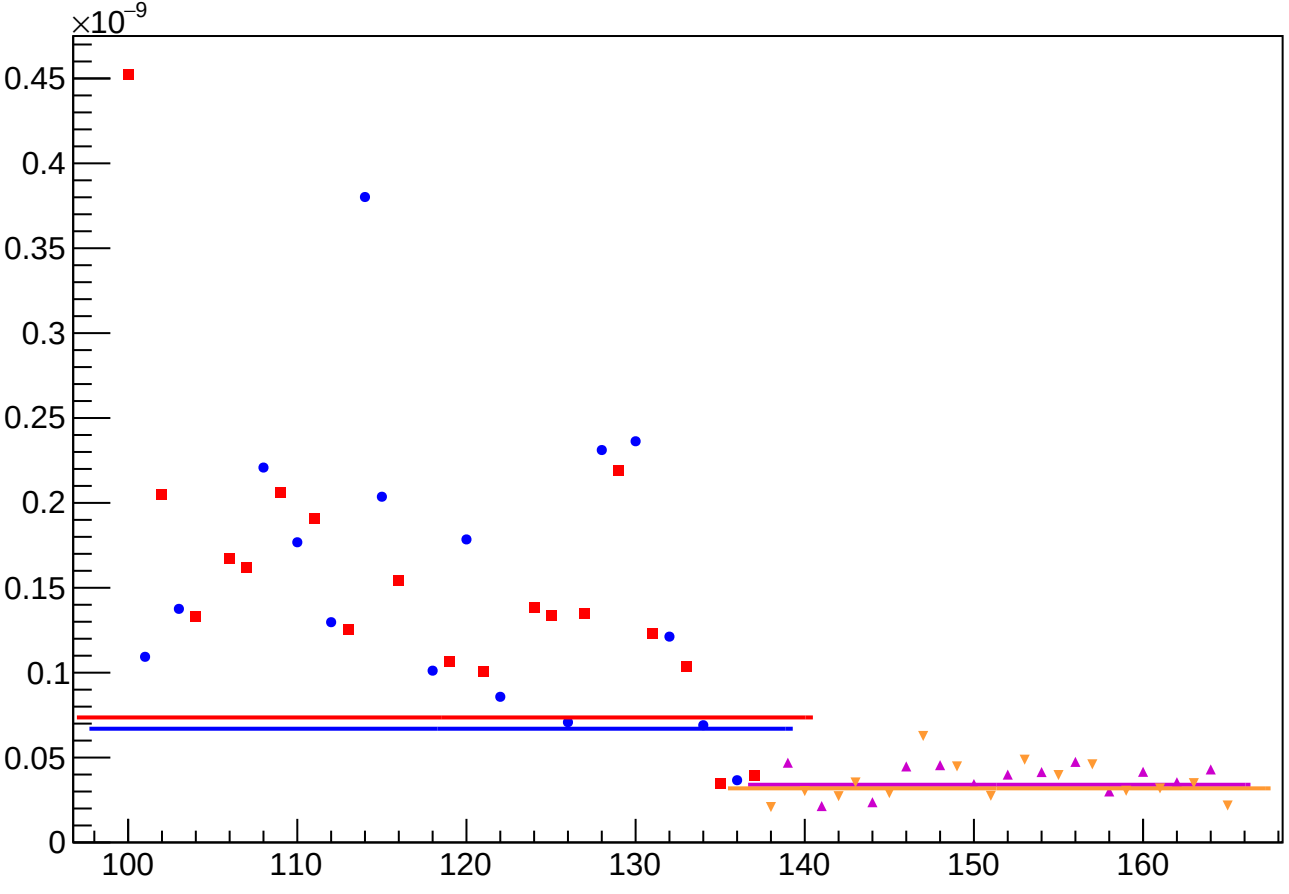
Left In: 0.000+/-0.000 χ^2/NDF:13.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 30.4/30

All: 0.000+/-0.000 χ^2/NDF: 65.0/62

- sign 0.000+/-0.000 χ^2/NDF: 34.4/31

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:1125691.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

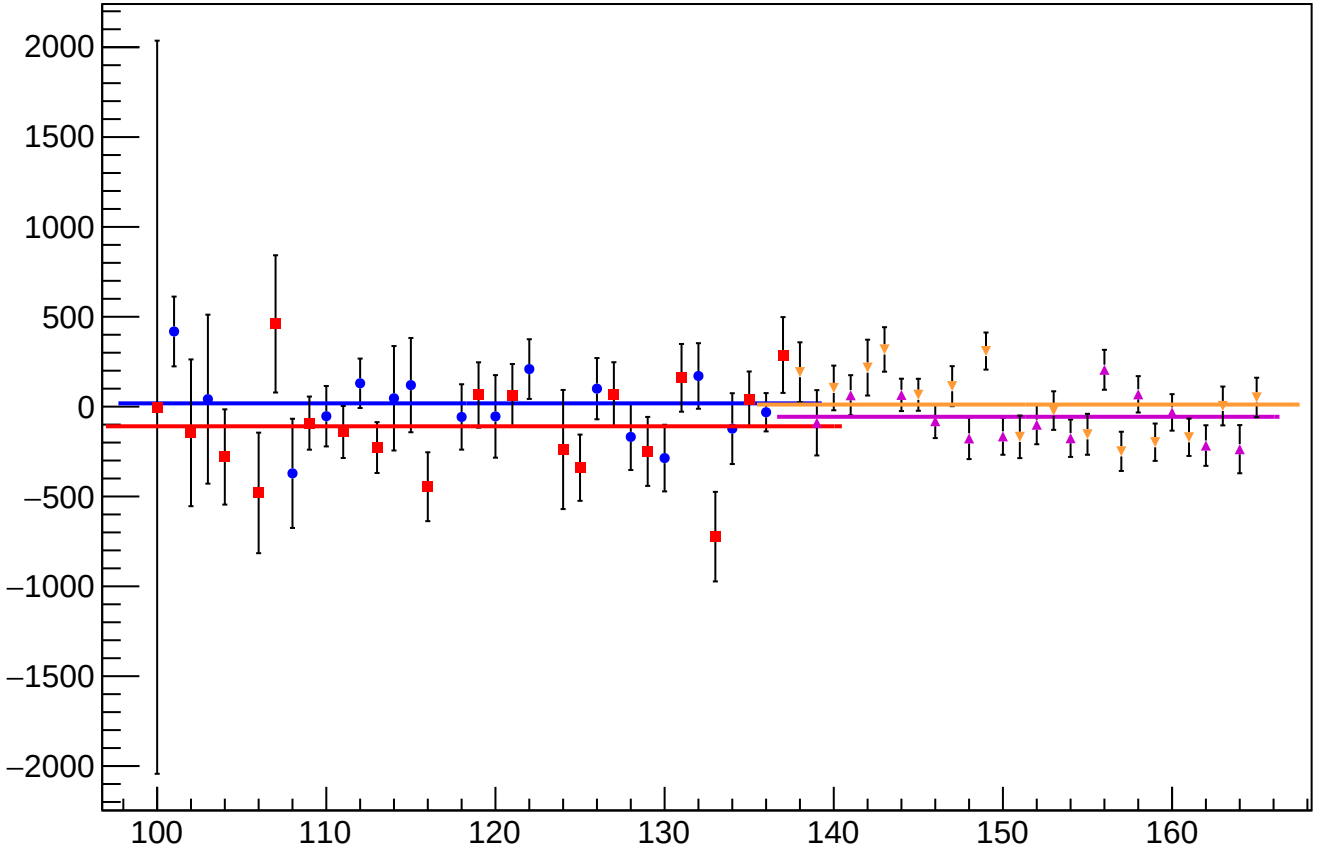
Left In: 0.000+/-0.000 χ^2/NDF:999246.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 6014301.3/30

All: 0.000+/-0.000 χ^2/NDF: 12543046.3/62

- sign 0.000+/-0.000 χ^2/NDF: 6480469.2/31

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 11.548+/-29.087 χ^2/NDF:36.6/14

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

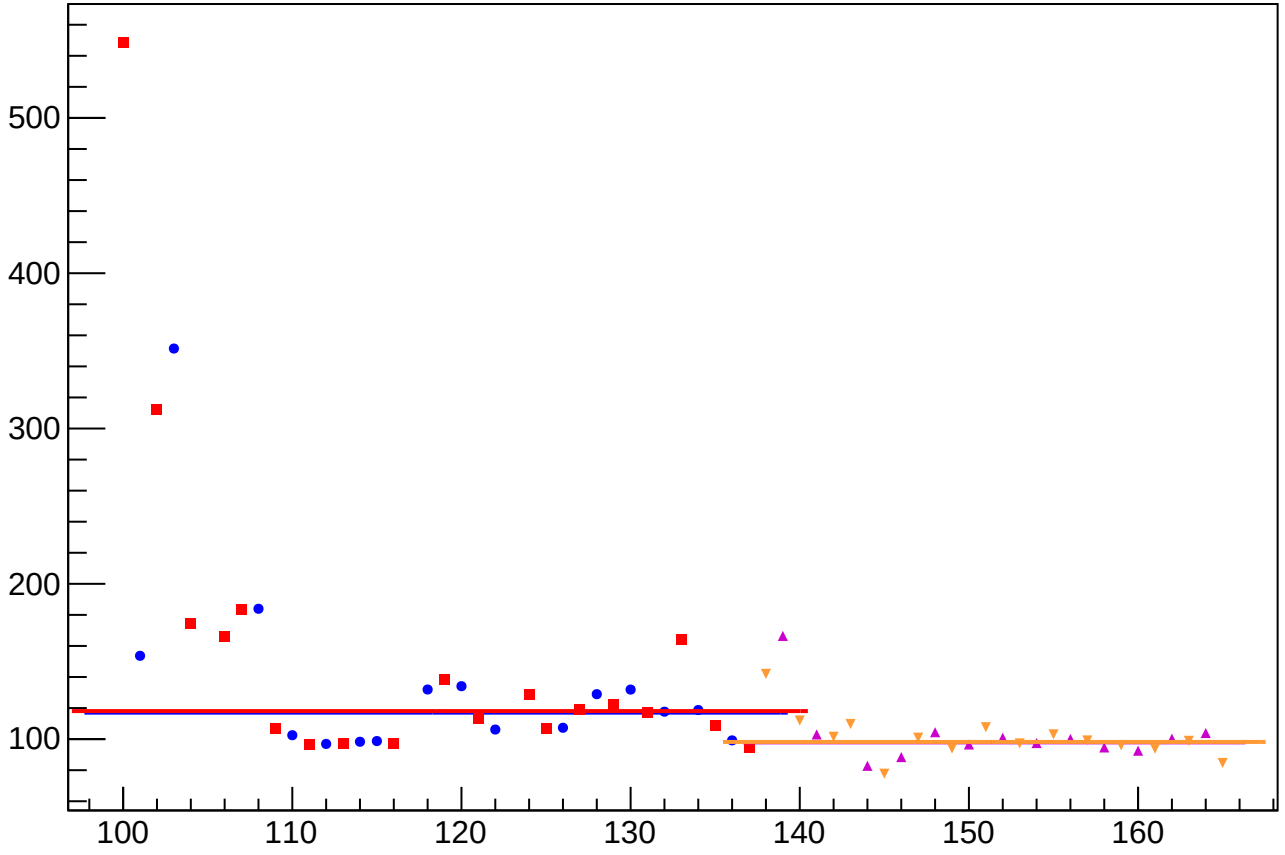
Left In: -56.583+/-30.100 χ^2/NDF:17.7/12

+ sign 13.467+/-24.539 χ^2/NDF: 50.5/30

All: -28.452+/-17.567 χ^2/NDF: 100.6/62

- sign -72.512+/-25.158 χ^2/NDF: 44.1/31

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 98.194+/-0.021 χ^2/NDF:344131.6/14

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

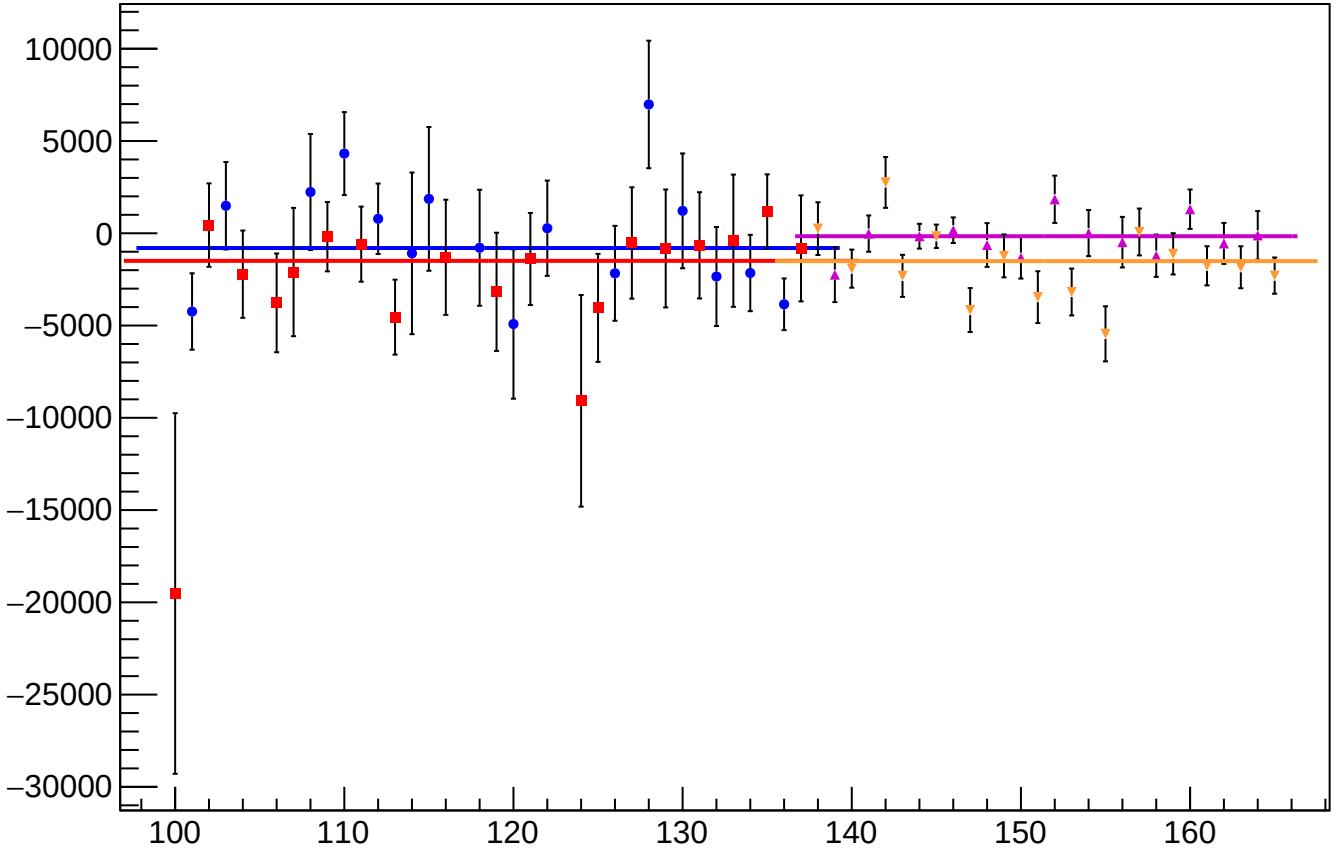
Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

+ sign 103.633+/-0.017 χ^2/NDF: 1445139.4/30

All: 103.805+/-0.012 χ^2/NDF: 3092904.1/62

- sign 103.985+/-0.018 χ^2/NDF: 1647564.4/31

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1509.768+/-284.632 χ^2/NDF:34.3/14

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

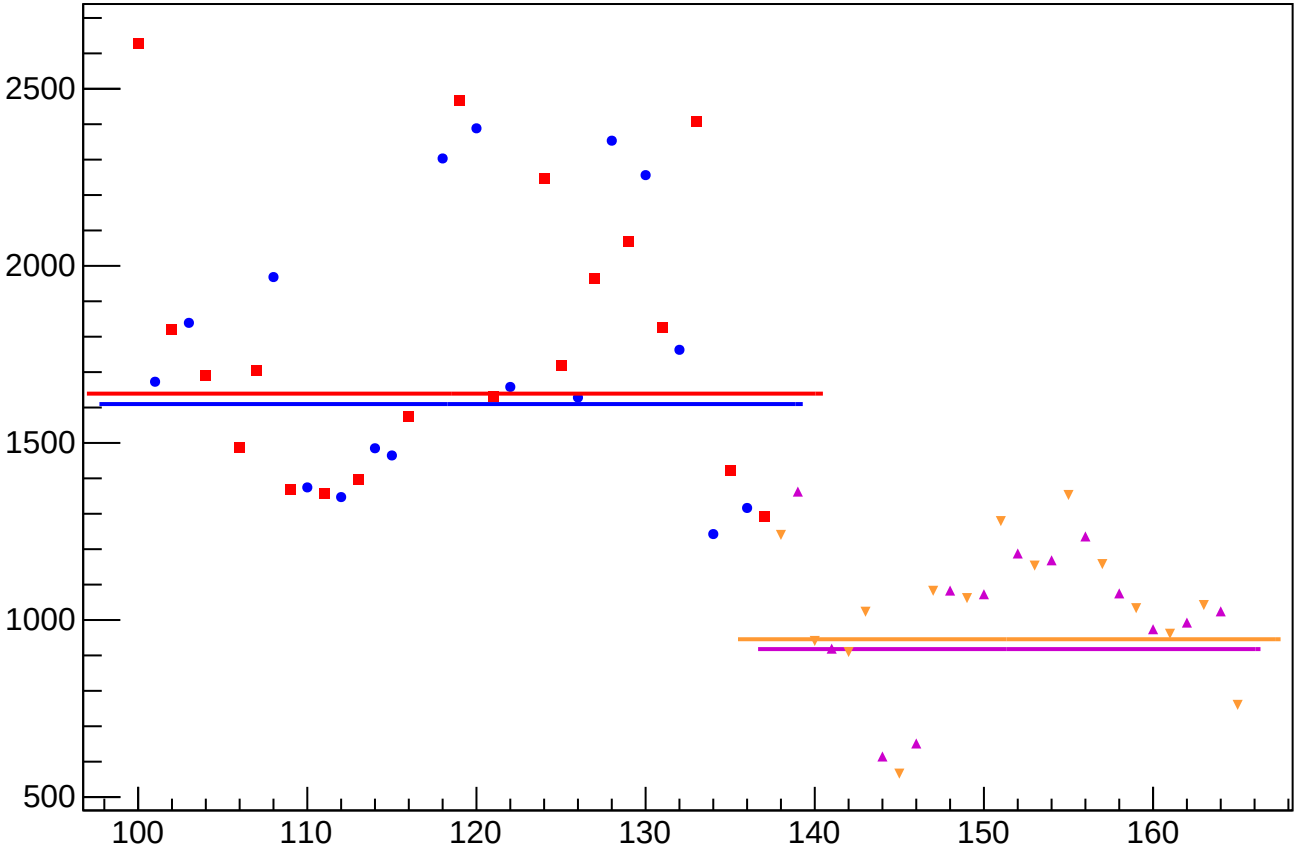
Left In: -160.693+/-287.671 χ^2/NDF:8.8/12

+ sign -1384.742+/-258.383 χ^2/NDF: 58.9/30

All: -896.872+/-183.423 χ^2/NDF: 91.6/62

- sign -401.248+/-260.428 χ^2/NDF: 25.6/31

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 945.710+/-0.201 χ^2/NDF:1325356.9/14

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

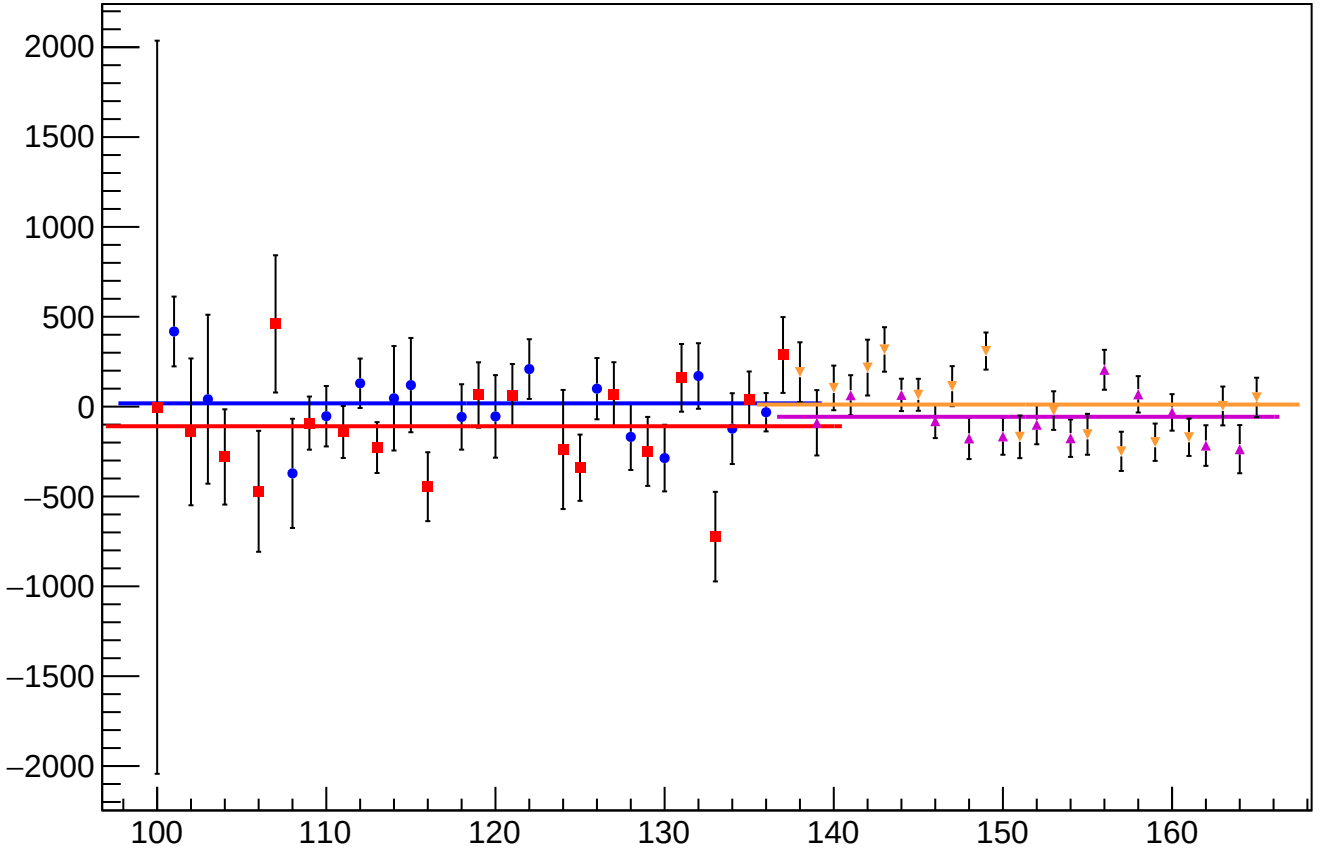
Left In: 917.873+/-0.203 χ^2/NDF:1301389.7/12

+ sign 1062.544+/-0.183 χ^2/NDF: 3859828.0/30

All: 1055.346+/-0.130 χ^2/NDF: 7953709.4/62

- sign 1048.033+/-0.184 χ^2/NDF: 4090752.0/31

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 11.554+/-29.087 χ^2/NDF:36.6/14

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

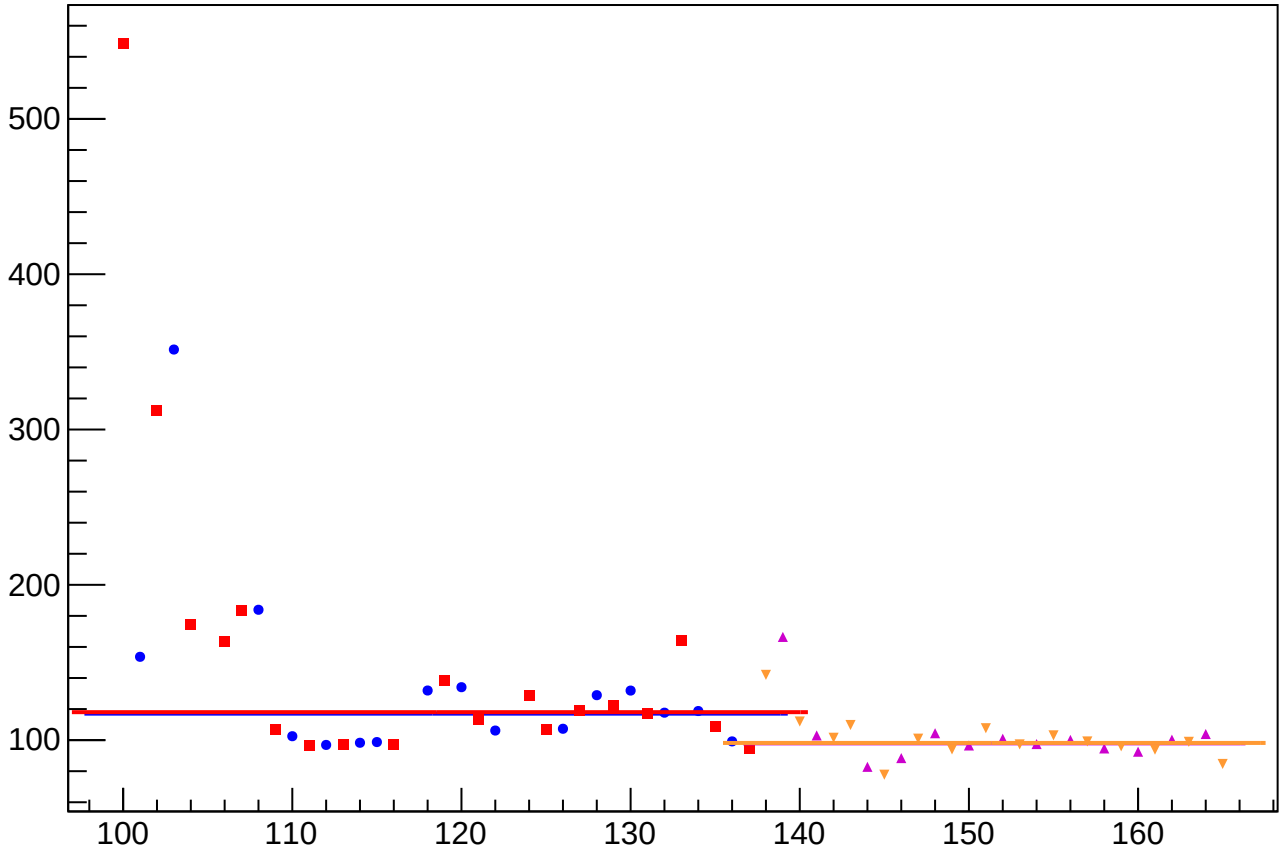
Left In: -56.584+/-30.100 χ^2/NDF:17.7/12

+ sign 13.467+/-24.539 χ^2/NDF: 50.5/30

All: -28.409+/-17.567 χ^2/NDF: 100.5/62

- sign -72.427+/-25.159 χ^2/NDF: 44.0/31

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 98.194+/-0.021 χ^2/NDF:344131.6/14

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

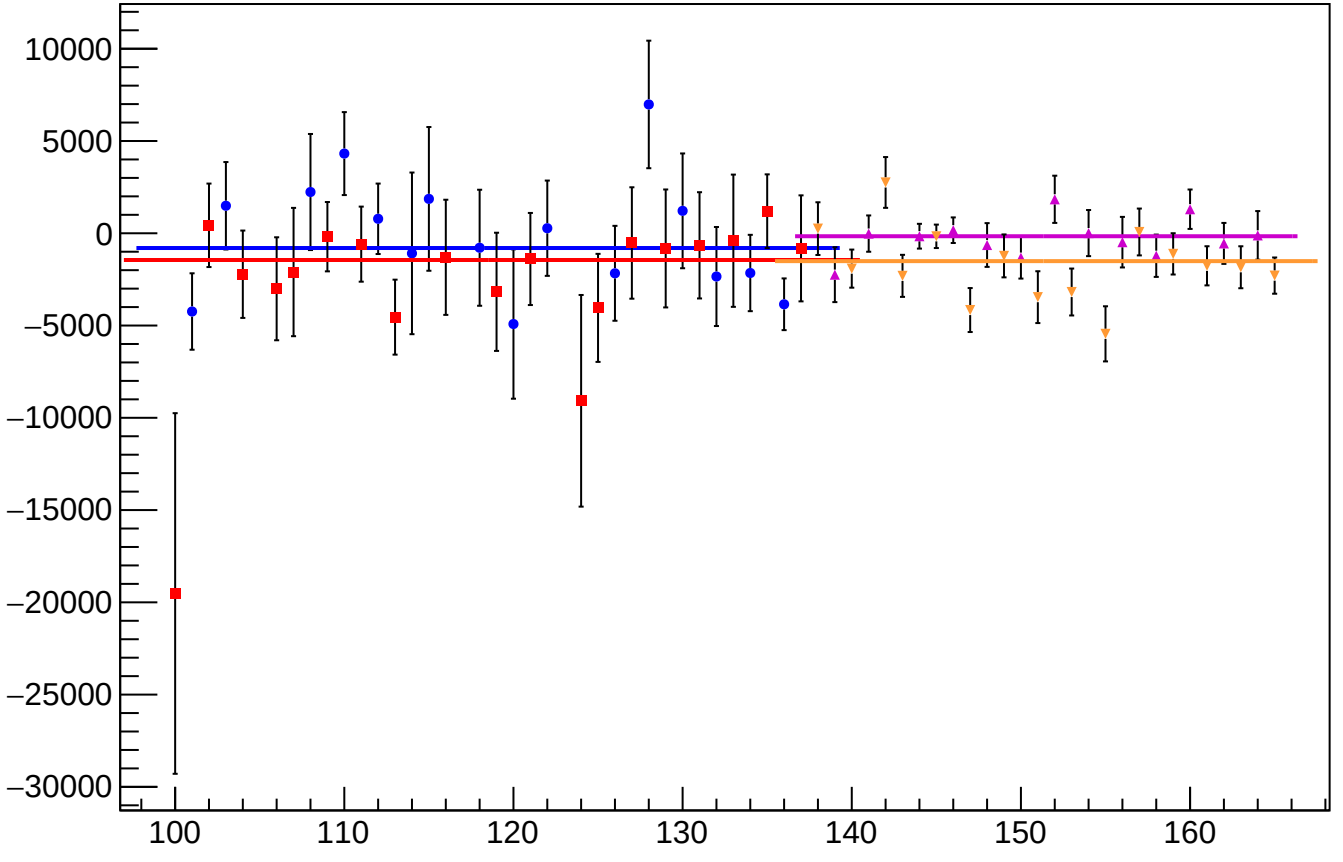
Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

+ sign 103.633+/-0.017 χ^2/NDF: 1445141.2/30

All: 103.797+/-0.012 χ^2/NDF: 3087282.8/62

- sign 103.969+/-0.018 χ^2/NDF: 1641959.2/31

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1509.763+/-284.632 χ^2/NDF:34.3/14

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

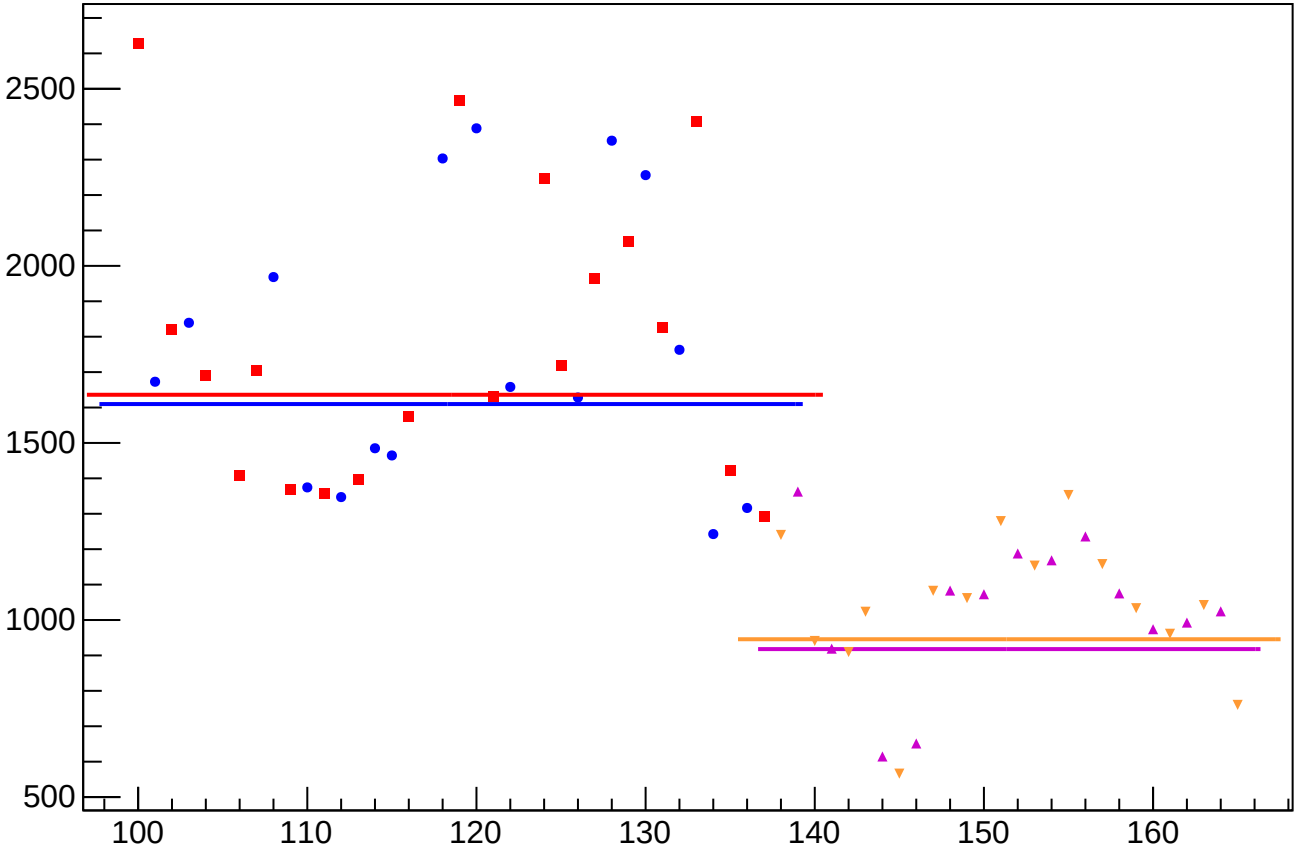
Left In: -160.698+/-287.671 χ^2/NDF:8.8/12

+ sign -1384.736+/-258.383 χ^2/NDF: 58.9/30

All: -892.584+/-183.459 χ^2/NDF: 91.0/62

- sign -392.215+/-260.531 χ^2/NDF: 24.9/31

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 945.710+/-0.201 χ^2/NDF:1325357.8/14

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

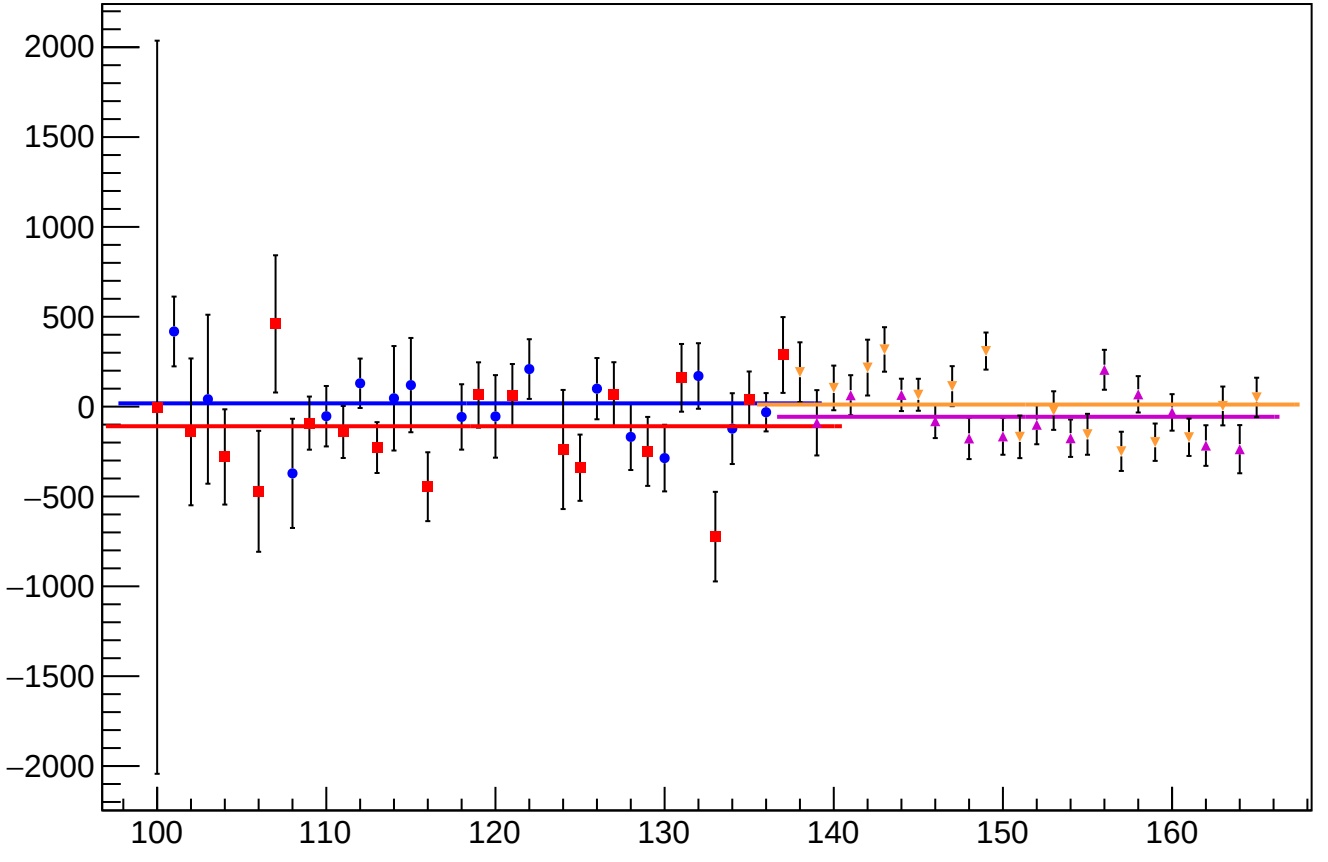
Left In: 917.873+/-0.203 χ^2/NDF:1301391.8/12

+ sign 1062.544+/-0.183 χ^2/NDF: 3859890.5/30

All: 1054.832+/-0.130 χ^2/NDF: 7933737.5/62

- sign 1046.991+/-0.184 χ^2/NDF: 4070253.6/31

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 11.554+/-29.087 χ^2/NDF:36.6/14

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

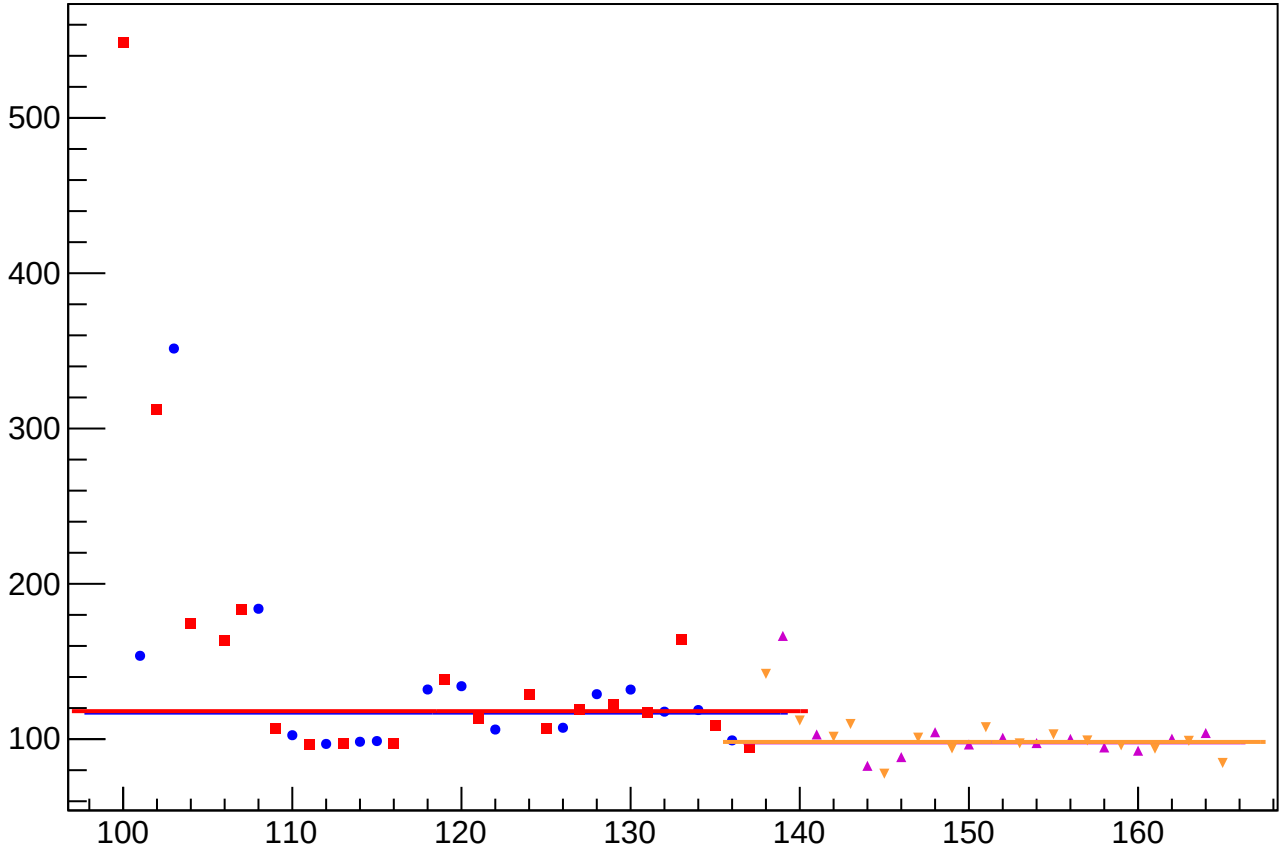
Left In: -56.584+/-30.100 χ^2/NDF:17.7/12

+ sign 13.467+/-24.539 χ^2/NDF: 50.5/30

All: -28.409+/-17.567 χ^2/NDF: 100.5/62

- sign -72.427+/-25.159 χ^2/NDF: 44.0/31

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 98.194+/-0.021 χ^2/NDF:344131.6/14

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

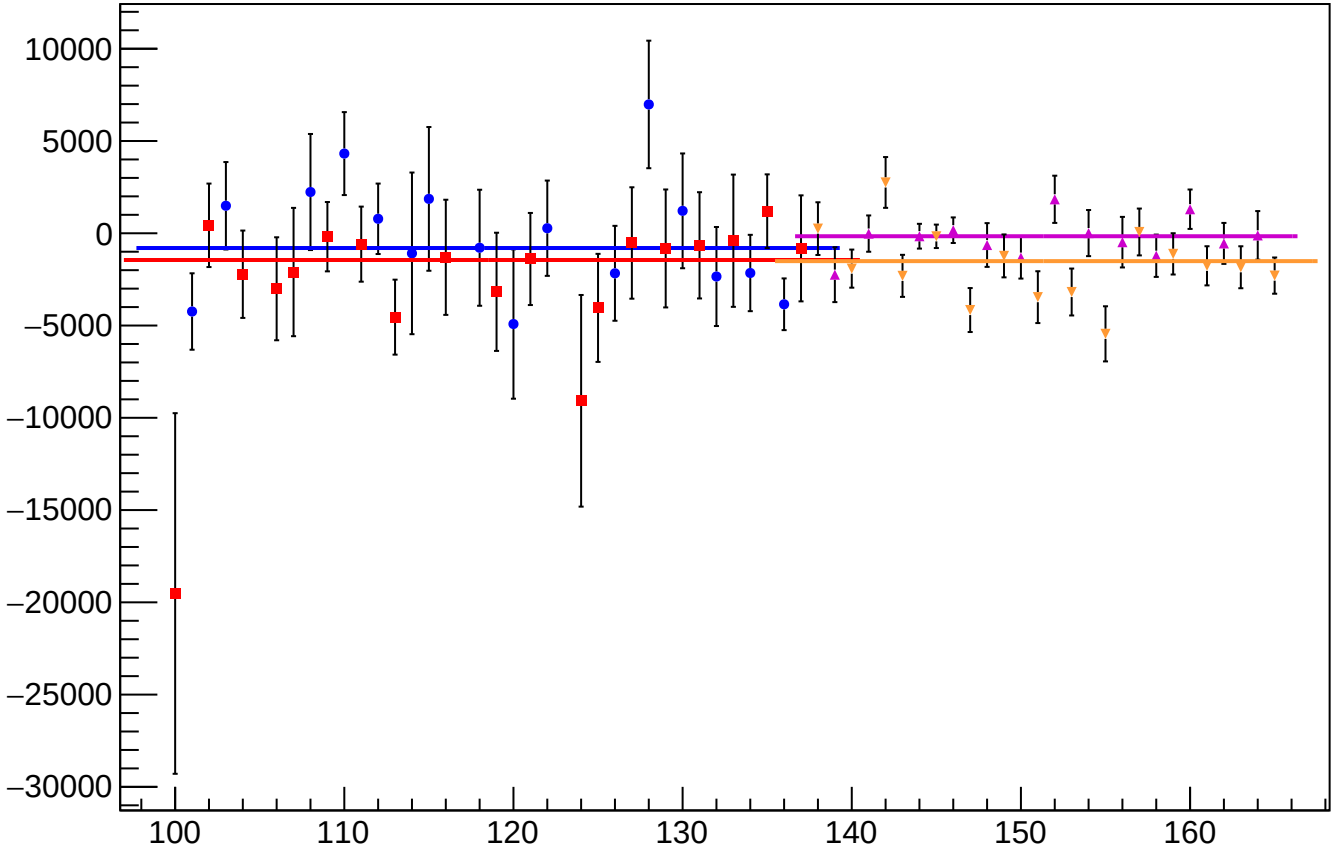
Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

+ sign 103.633+/-0.017 χ^2/NDF: 1445141.2/30

All: 103.797+/-0.012 χ^2/NDF: 3087282.8/62

- sign 103.969+/-0.018 χ^2/NDF: 1641959.2/31

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1509.763+/-284.632 χ^2/NDF:34.3/14

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

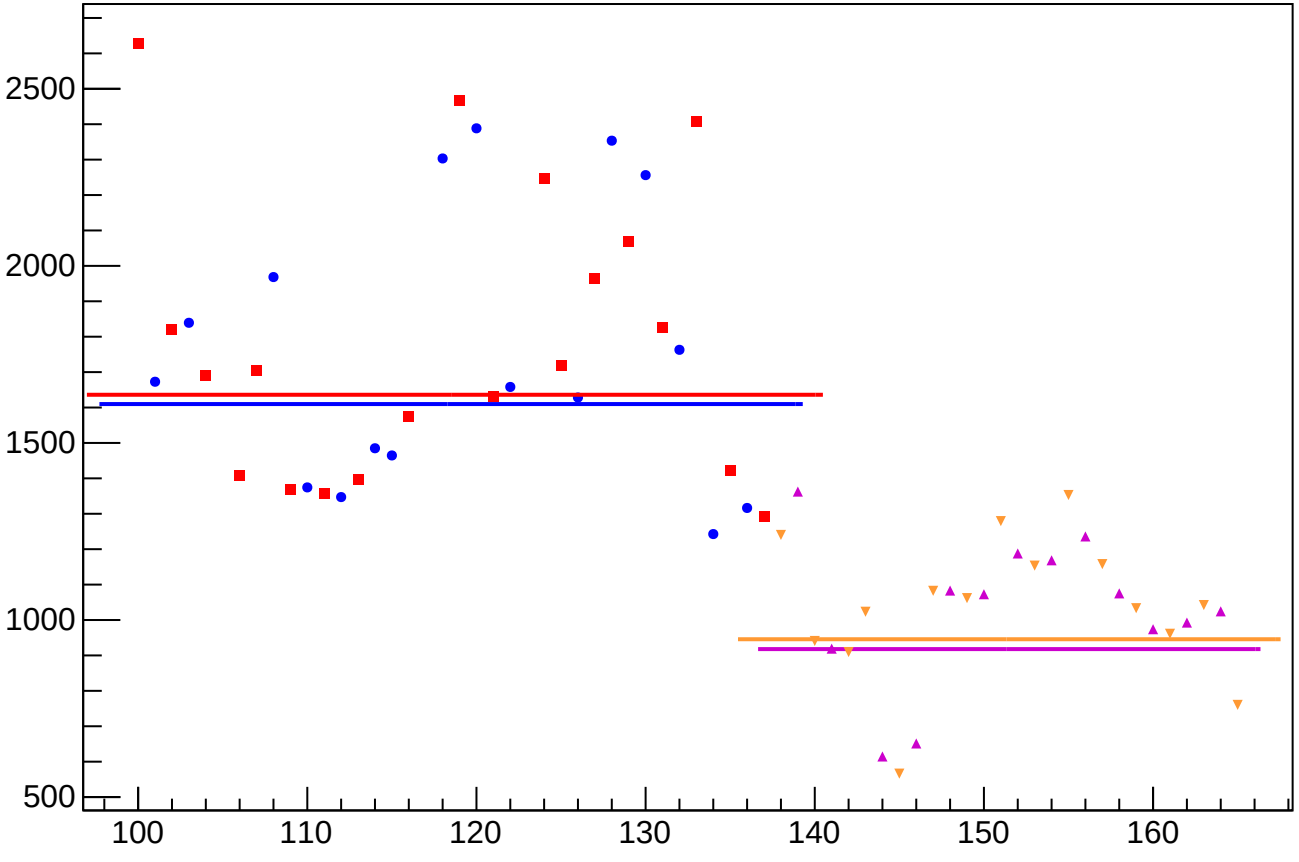
Left In: -160.698+/-287.671 χ^2/NDF:8.8/12

+ sign -1384.736+/-258.383 χ^2/NDF: 58.9/30

All: -892.584+/-183.459 χ^2/NDF: 91.0/62

- sign -392.215+/-260.531 χ^2/NDF: 24.9/31

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 945.710+/-0.201 χ^2/NDF:1325357.8/14

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

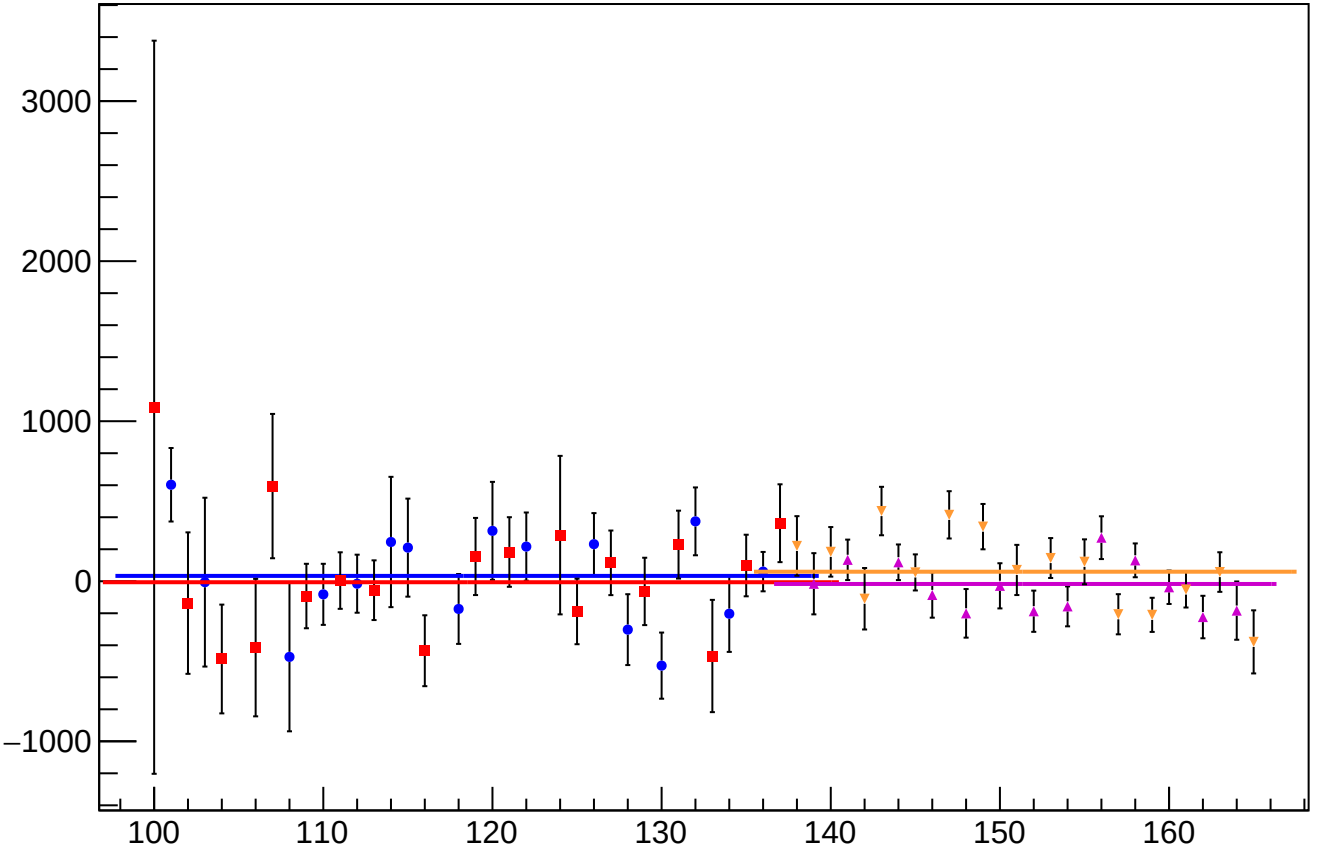
Left In: 917.873+/-0.203 χ^2/NDF:1301391.8/12

+ sign 1062.544+/-0.183 χ^2/NDF: 3859890.5/30

All: 1054.832+/-0.130 χ^2/NDF: 7933737.5/62

- sign 1046.991+/-0.184 χ^2/NDF: 4070253.6/31

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.612+/-35.506 χ^2/NDF:35.6/14

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

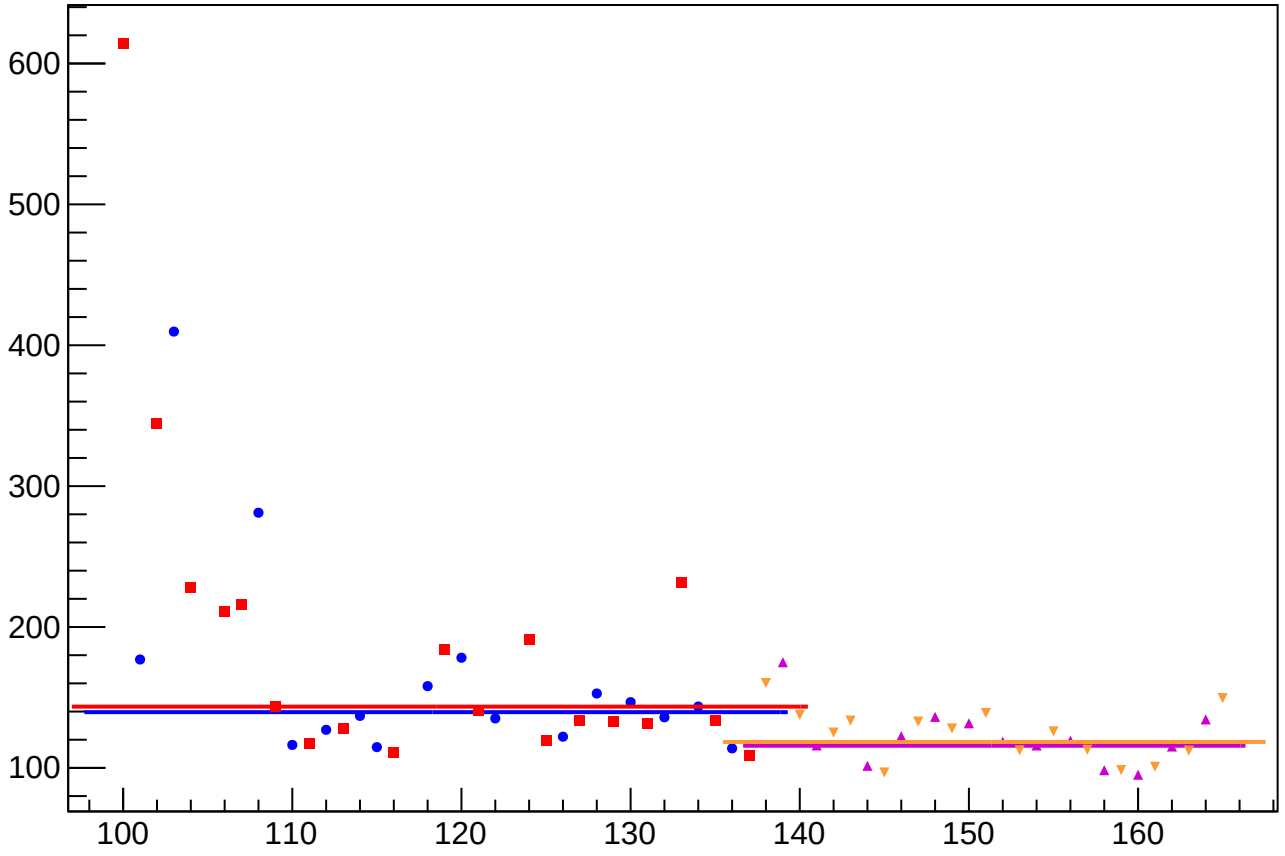
Left In: -17.022+/-36.213 χ^2/NDF:17.5/12

+ sign 51.904+/-29.815 χ^2/NDF: 61.0/30

All: 19.710+/-21.294 χ^2/NDF: 98.2/62

- sign -13.811+/-30.423 χ^2/NDF: 34.9/31

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 118.414+/-0.025 χ^2/NDF:478778.2/14

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

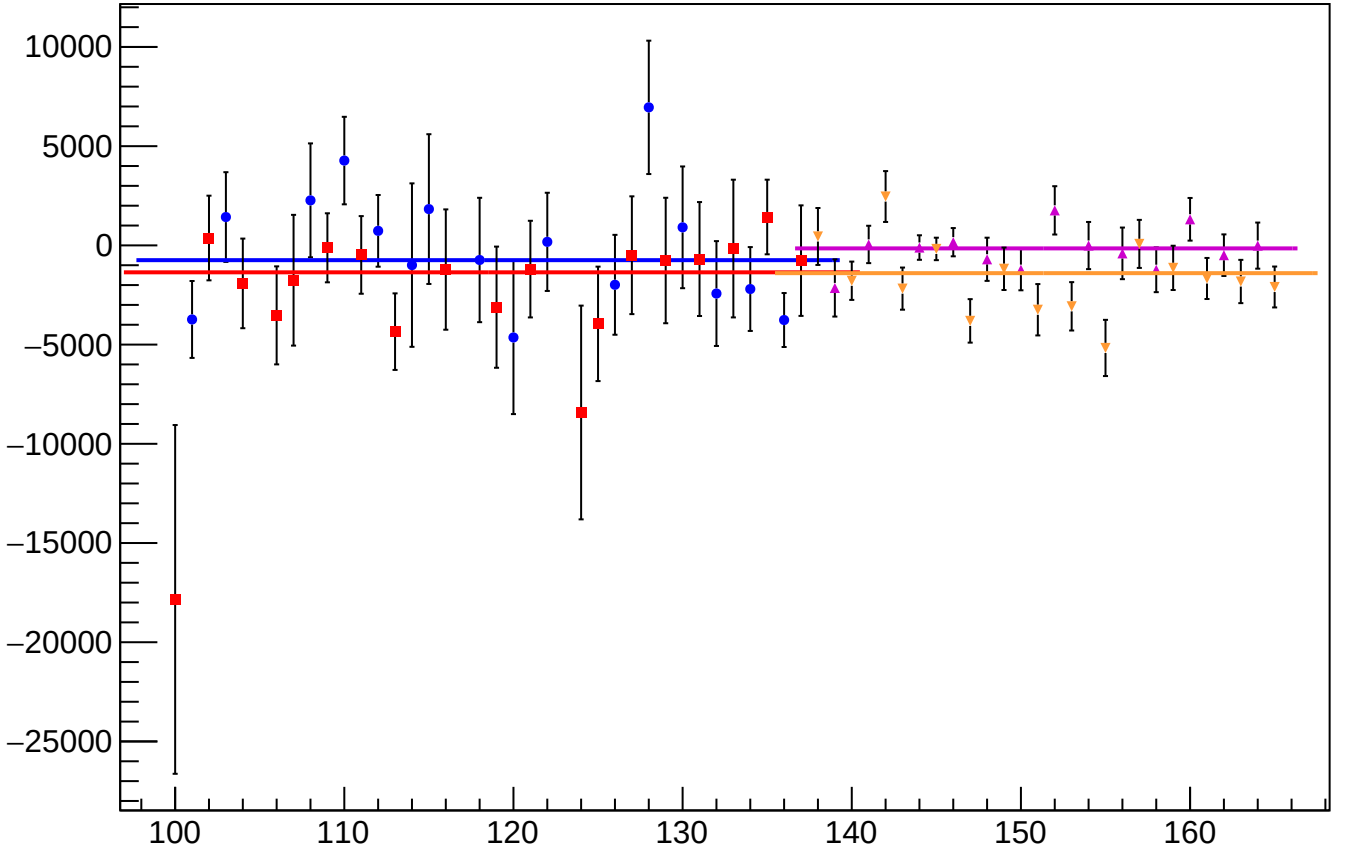
Left In: 115.739+/-0.026 χ^2/NDF:446458.4/12

+ sign 124.651+/-0.021 χ^2/NDF: 1664808.4/30

All: 124.283+/-0.015 χ^2/NDF: 3573826.1/62

- sign 123.900+/-0.022 χ^2/NDF: 1908396.6/31

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1399.549+/-268.669 χ^2/NDF:34.2/14

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

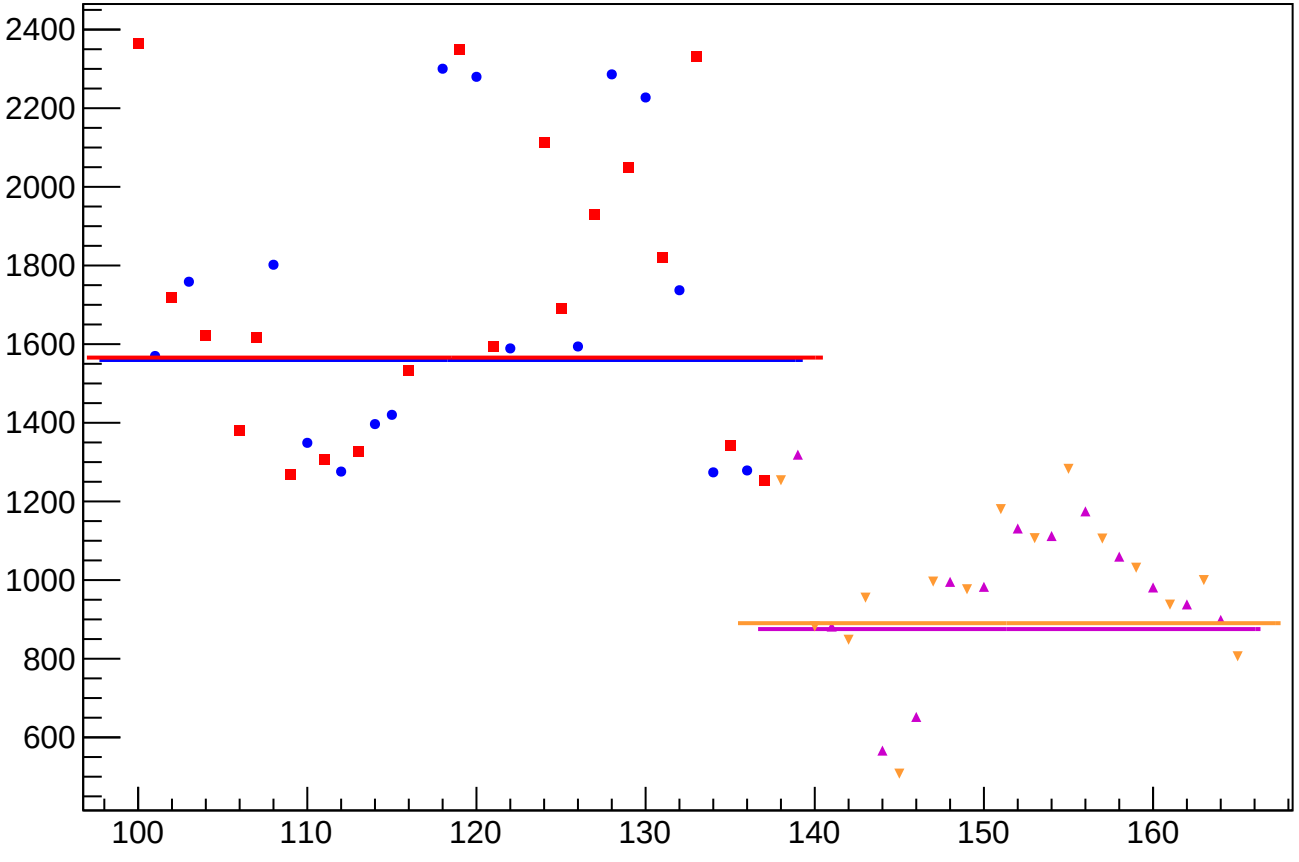
Left In: -151.846+/-274.757 χ^2/NDF:8.9/12

\+ sign -1288.891+/-244.920 χ^2/NDF: 58.6/30

All: -836.246+/-174.525 χ^2/NDF: 91.5/62

\- sign -369.312+/-248.755 χ^2/NDF: 25.9/31

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 890.397+/-0.190 χ^2/NDF:1533313.0/14

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

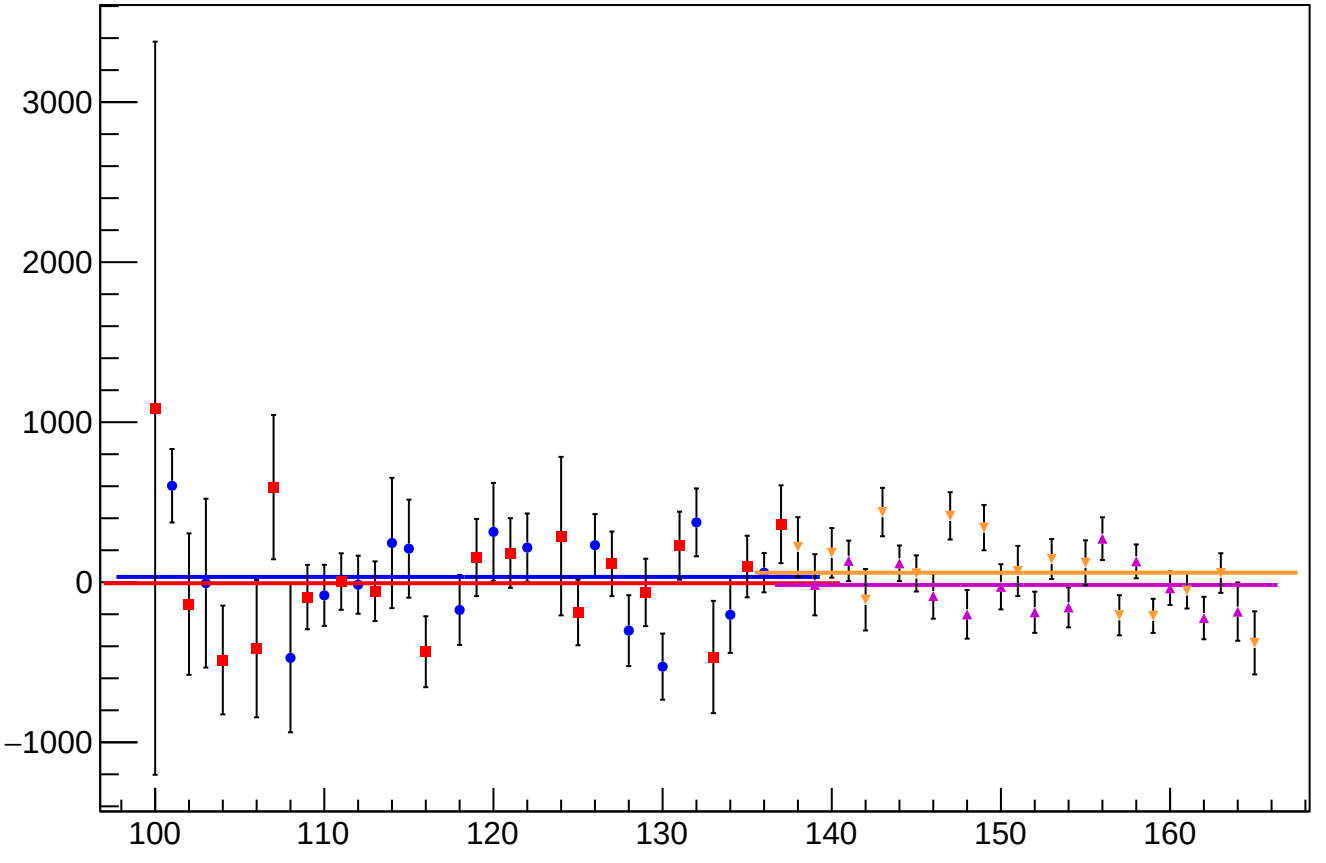
Left In: 875.406+/-0.194 χ^2/NDF:1286152.2/12

+ sign 1003.501+/-0.173 χ^2/NDF: 4235099.5/30

All: 1001.727+/-0.123 χ^2/NDF: 8362349.6/62

- sign 999.896+/-0.176 χ^2/NDF: 4127036.9/31

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.615+/-35.506 χ^2/NDF:35.6/14

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

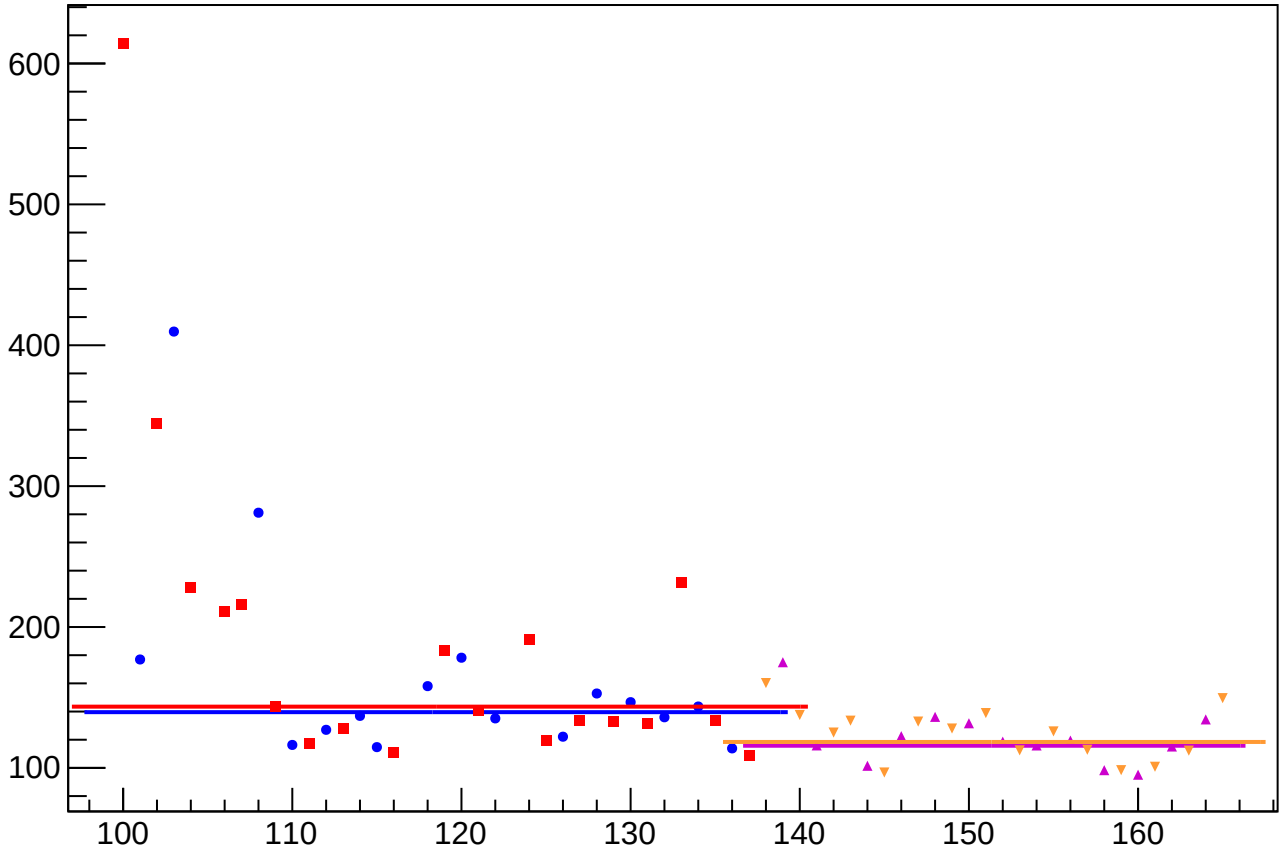
Left In: -17.021+/-36.213 χ^2/NDF:17.5/12

+ sign 51.905+/-29.816 χ^2/NDF: 61.0/30

All: 19.711+/-21.294 χ^2/NDF: 98.2/62

- sign -13.809+/-30.423 χ^2/NDF: 34.9/31

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 118.415+/-0.025 χ^2/NDF:478789.8/14

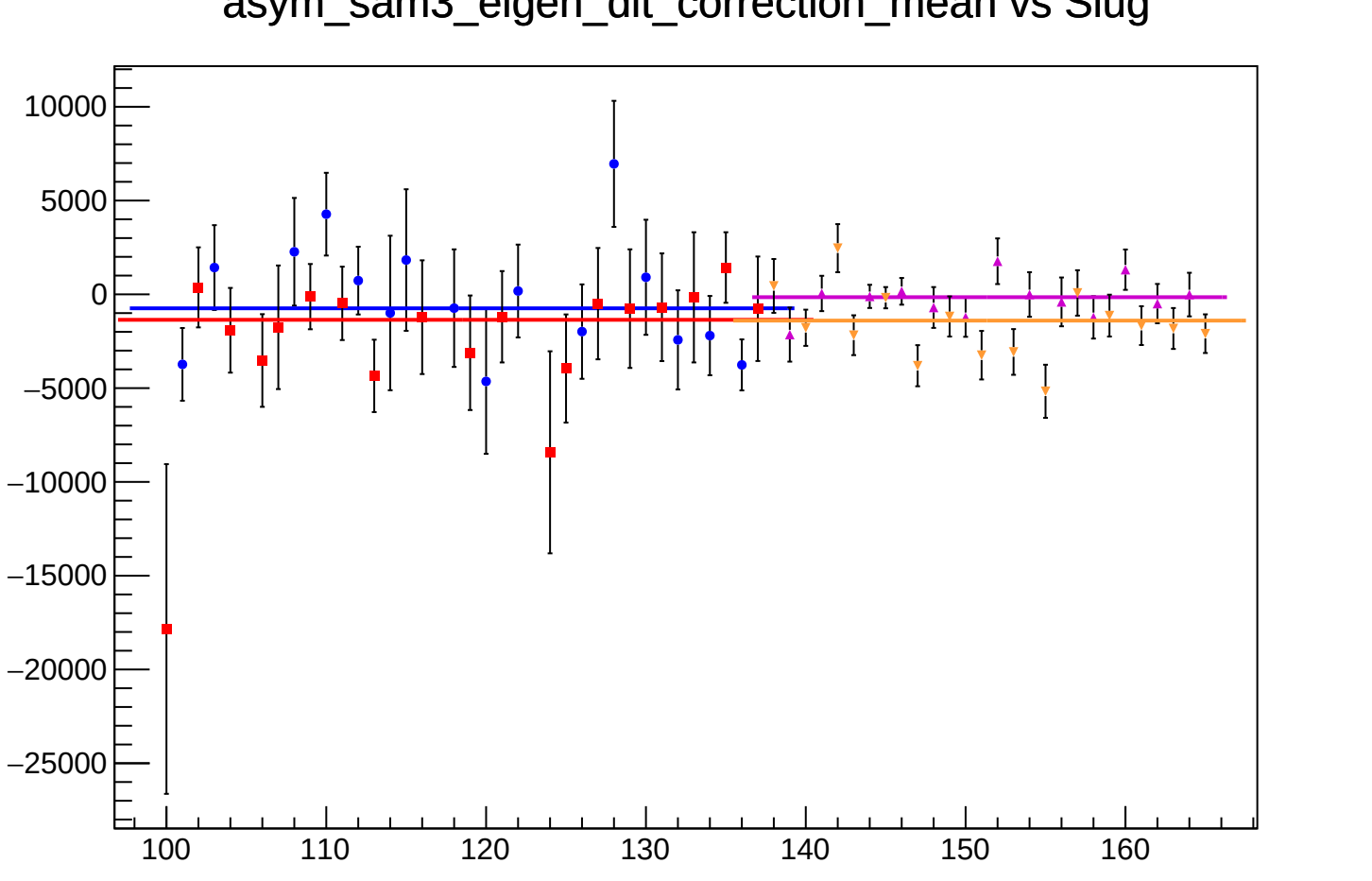
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 115.740+/-0.026 χ^2/NDF:446467.5/12

+ sign 124.652+/-0.021 χ^2/NDF: 1664816.0/30

All: 124.284+/-0.015 χ^2/NDF: 3573847.3/62

- sign 123.901+/-0.022 χ^2/NDF: 1908410.2/31



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1399.550+/-268.669 χ^2/NDF:34.2/14

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

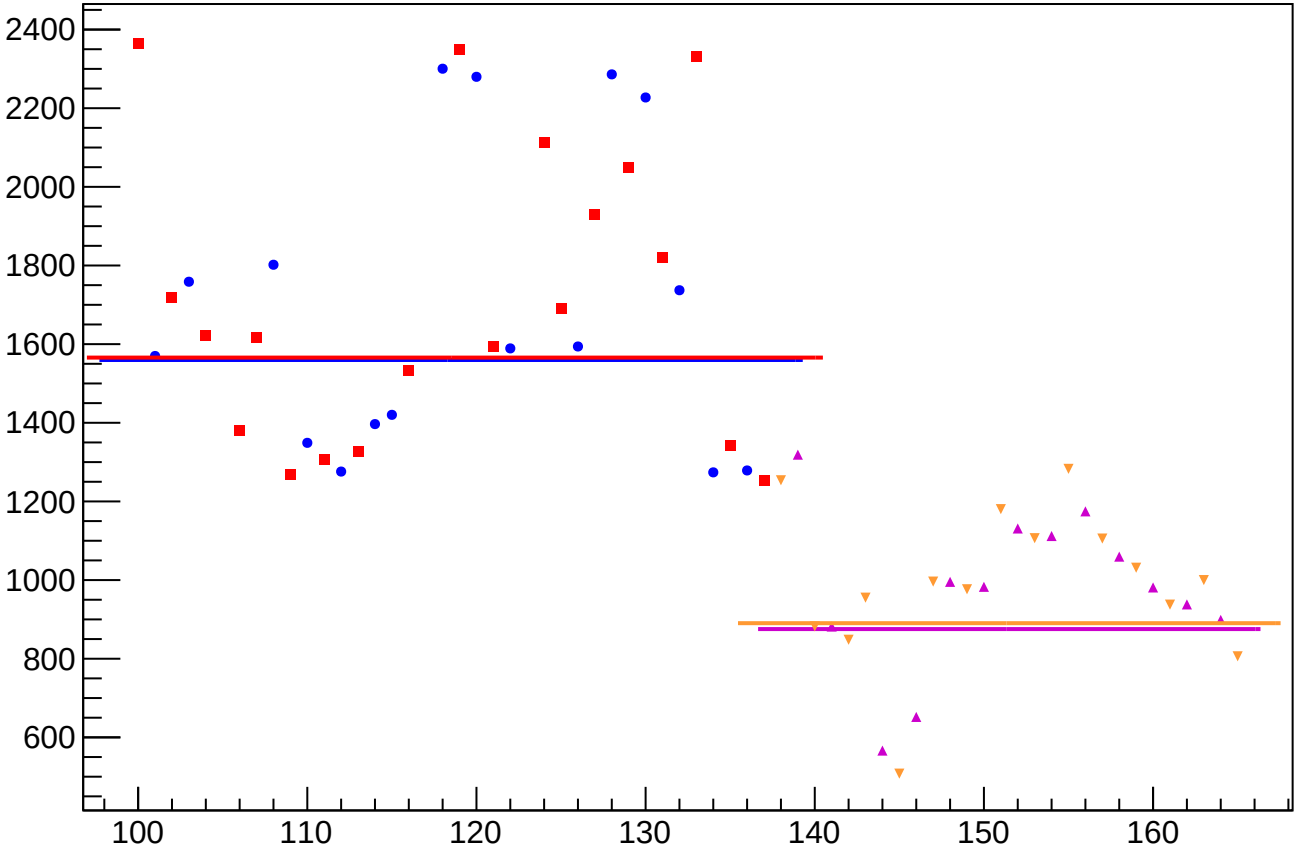
Left In: -151.845+/-274.757 χ^2/NDF:8.9/12

+ sign -1288.890+/-244.919 χ^2/NDF: 58.6/30

All: -836.245+/-174.524 χ^2/NDF: 91.5/62

- sign -369.311+/-248.755 χ^2/NDF: 25.9/31

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 890.396+/-0.190 χ^2/NDF:1533309.6/14

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

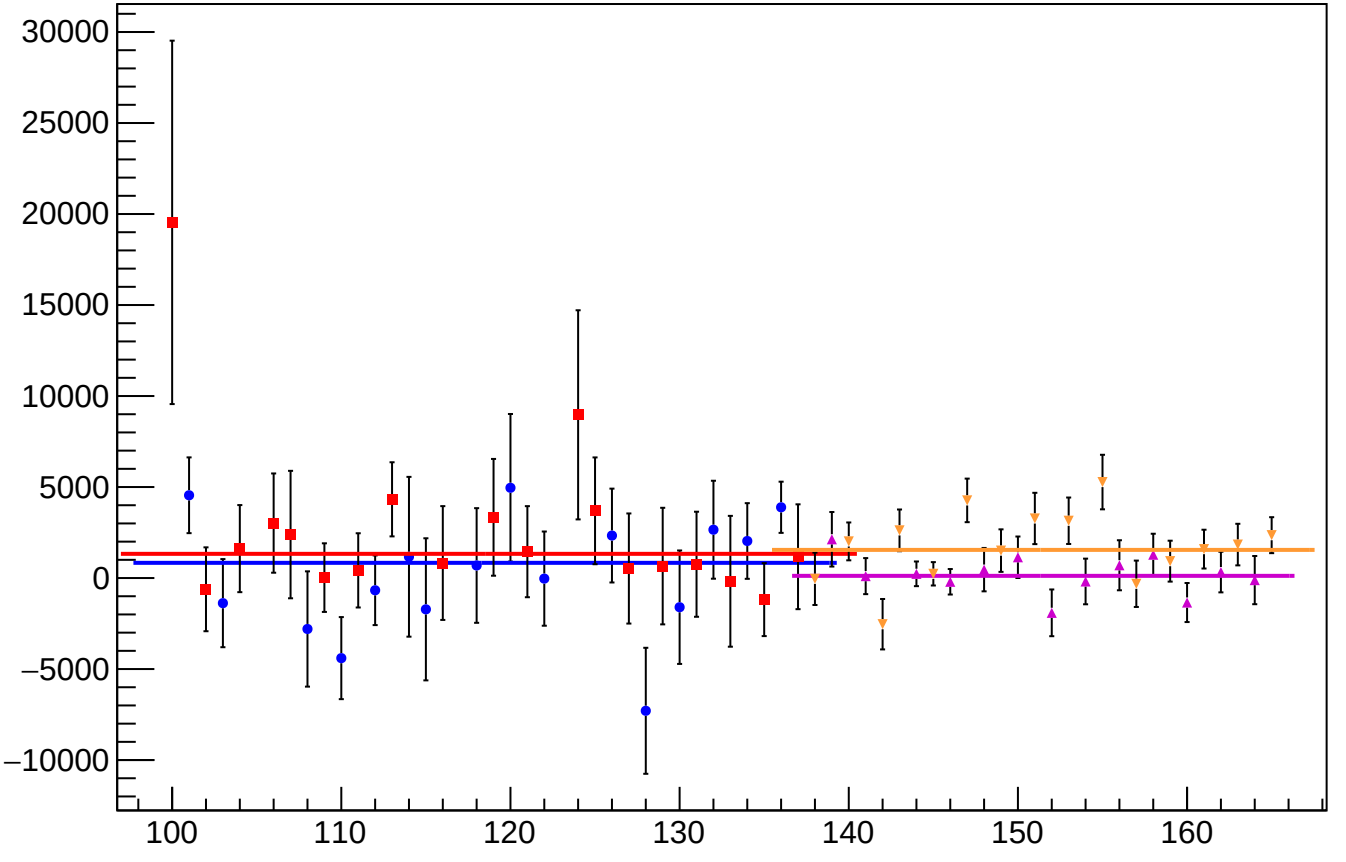
Left In: 875.405+/-0.194 χ^2/NDF:1286149.3/12

+ sign 1003.500+/-0.173 χ^2/NDF: 4235097.5/30

All: 1001.726+/-0.123 χ^2/NDF: 8362341.6/62

- sign 999.895+/-0.176 χ^2/NDF: 4127030.8/31

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1546.307+/-286.394 χ^2/NDF:32.8/14

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

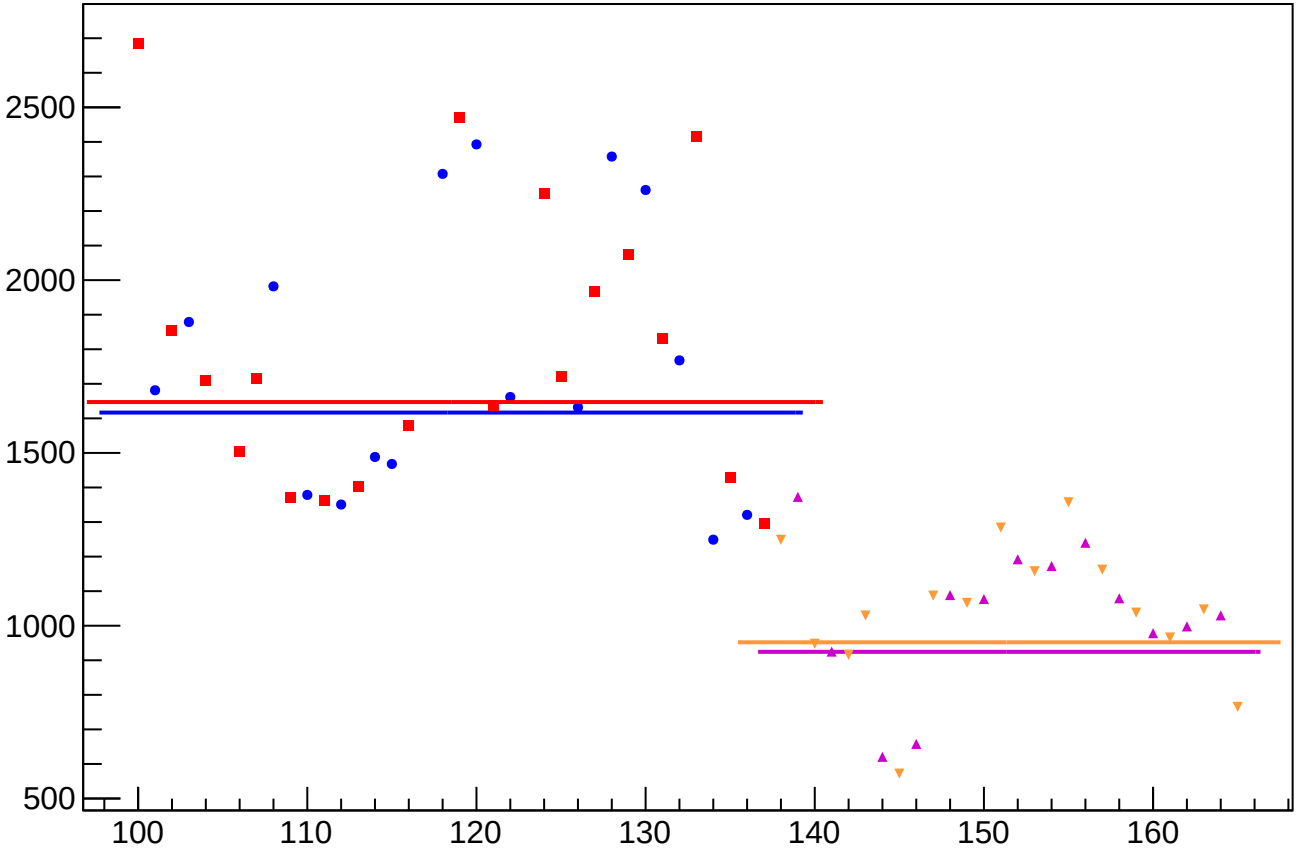
Left In: 120.683+/-289.576 χ^2/NDF:8.6/12

+ sign 1420.902+/-259.906 χ^2/NDF: 58.8/30

All: 884.602+/-184.551 χ^2/NDF: 91.2/62

- sign 339.224+/-262.097 χ^2/NDF: 23.9/31

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 952.009+/-0.203 χ^2/NDF:1302465.5/14

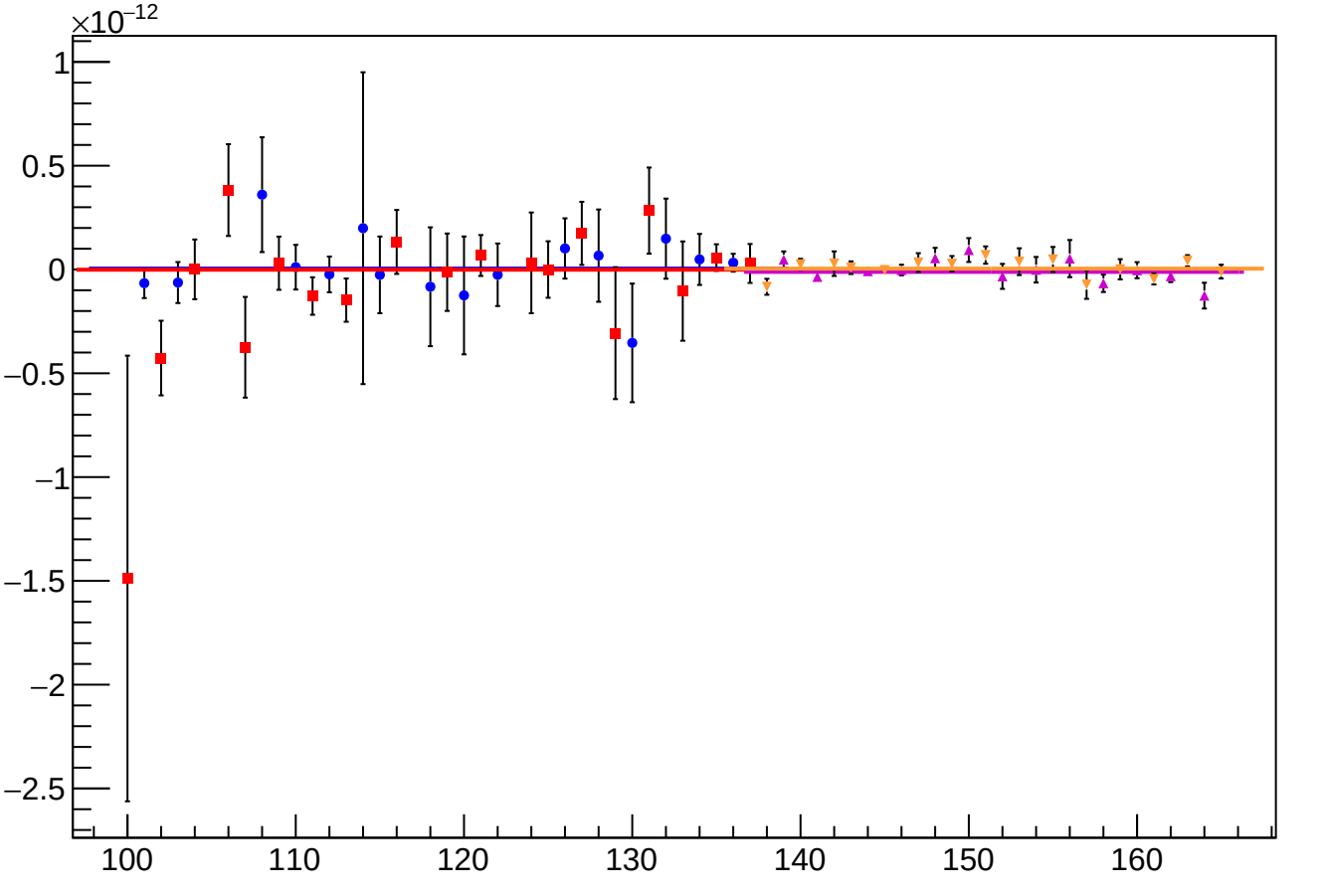
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 924.487+/-0.205 χ^2/NDF:1277990.0/12

\+ sign 1069.295+/-0.184 χ^2/NDF: 3825974.0/30

All: 1062.280+/-0.130 χ^2/NDF: 7883075.3/62

\- sign 1055.147+/-0.185 χ^2/NDF: 4054162.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

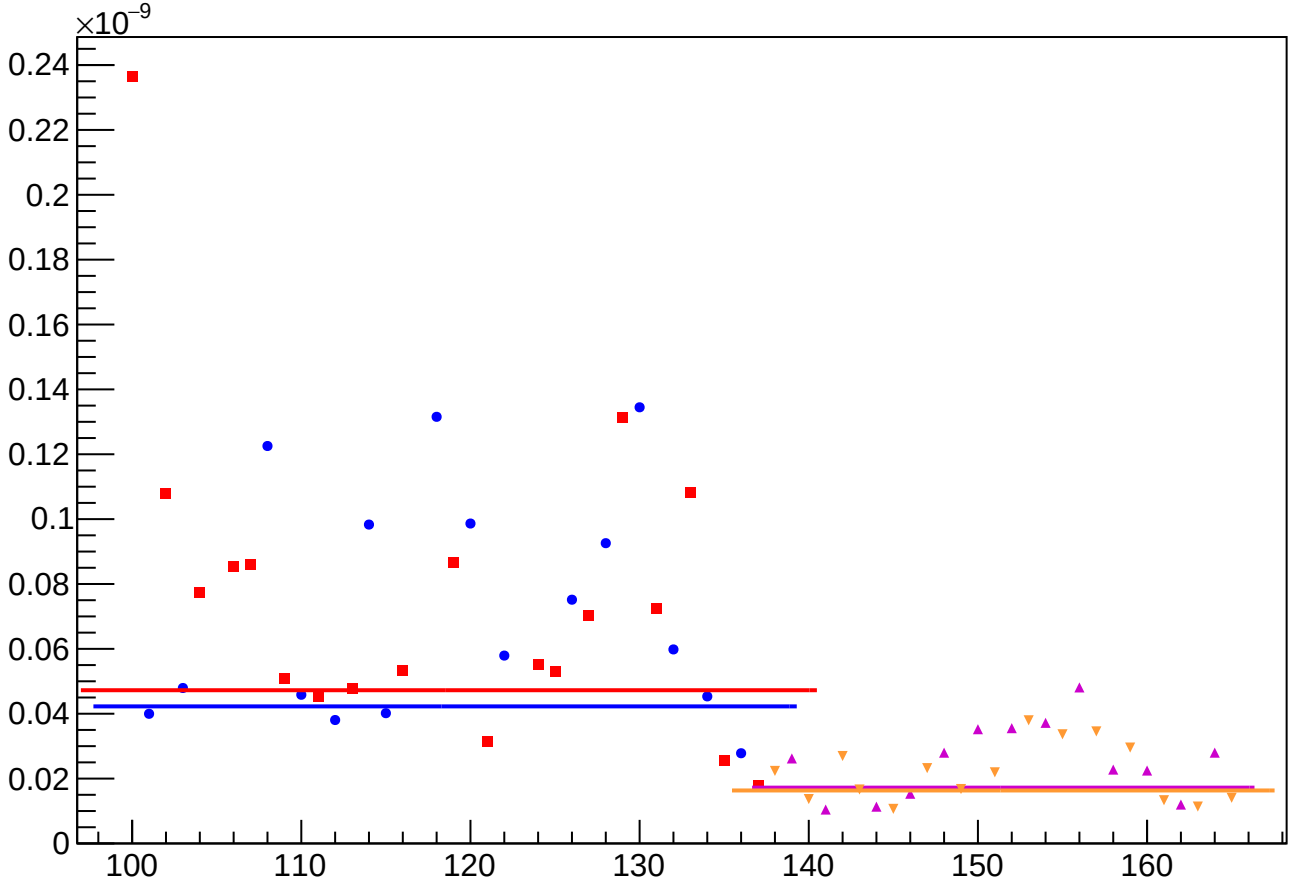
Left In: -0.000+/-0.000 χ^2/NDF:14.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 24.0/30

All: -0.000+/-0.000 χ^2/NDF: 63.8/62

- sign -0.000+/-0.000 χ^2/NDF: 38.4/31

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1182659.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

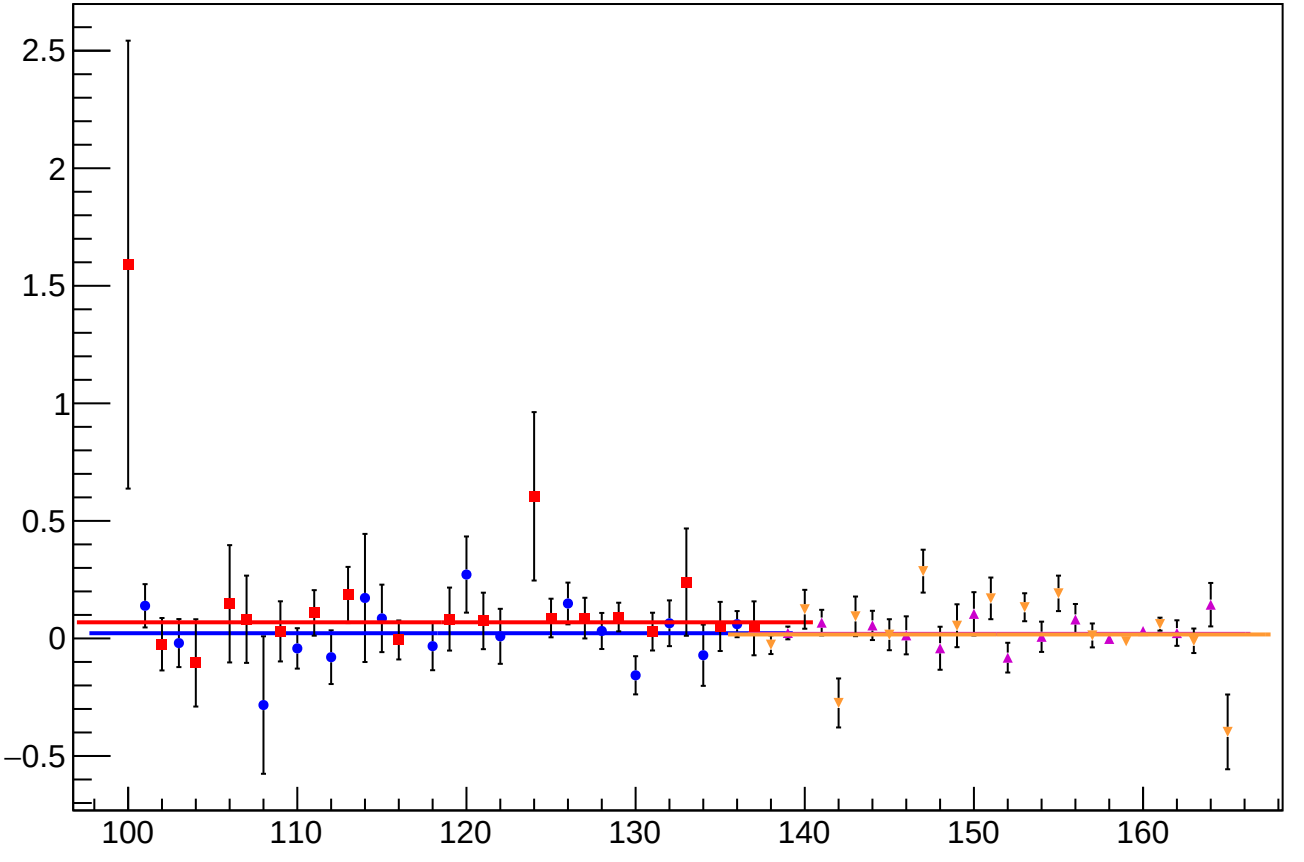
Left In: 0.000+/-0.000 χ^2/NDF:1608270.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3972400.5/30

All: 0.000+/-0.000 χ^2/NDF: 8797912.0/62

- sign 0.000+/-0.000 χ^2/NDF: 4808606.3/31

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

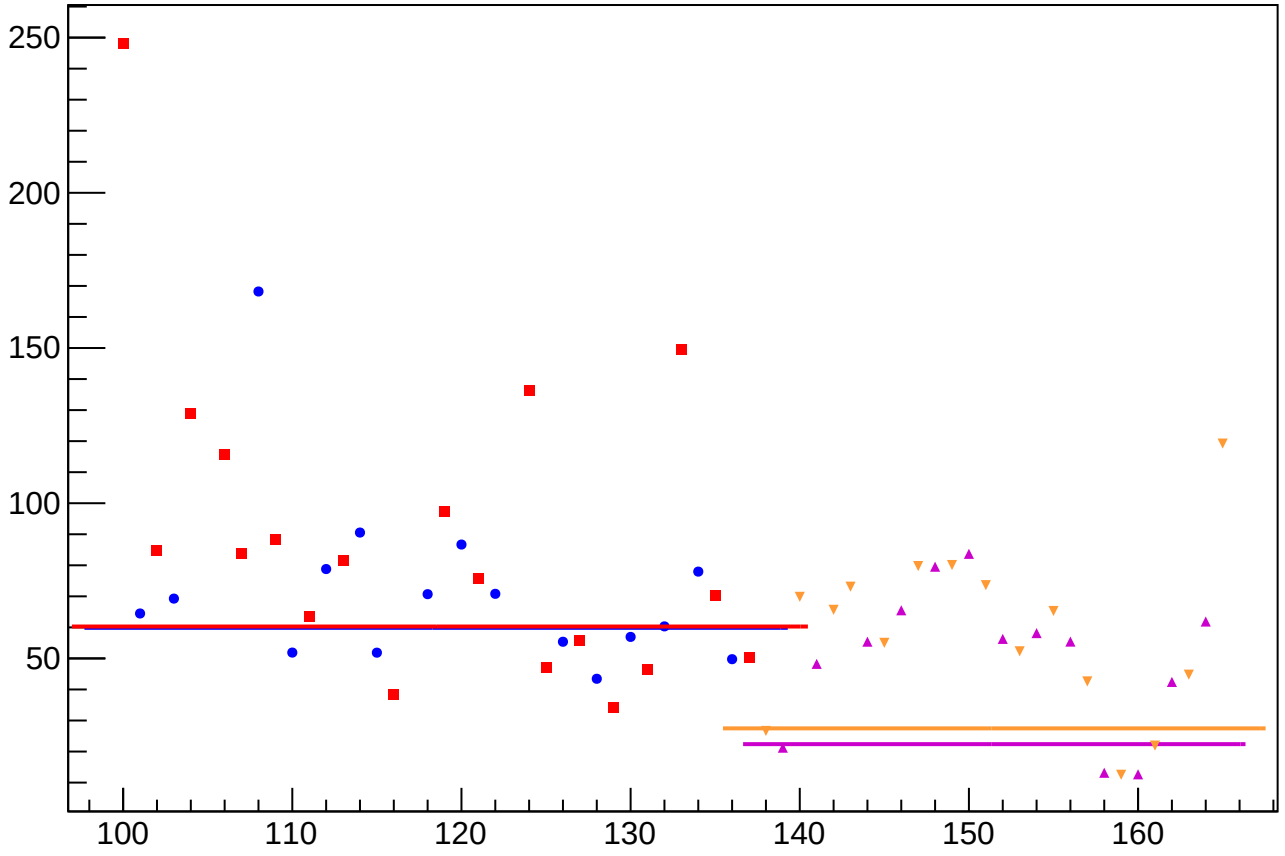
Left In: 0.019+/-0.009 χ^2/NDF:10.0/12

+ sign 0.018+/-0.010 χ^2/NDF: 61.2/30

All: 0.022+/-0.007 χ^2/NDF: 84.4/62

- sign 0.025+/-0.009 χ^2/NDF: 22.9/31

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.468+/-0.008 χ^2/NDF:7460953.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

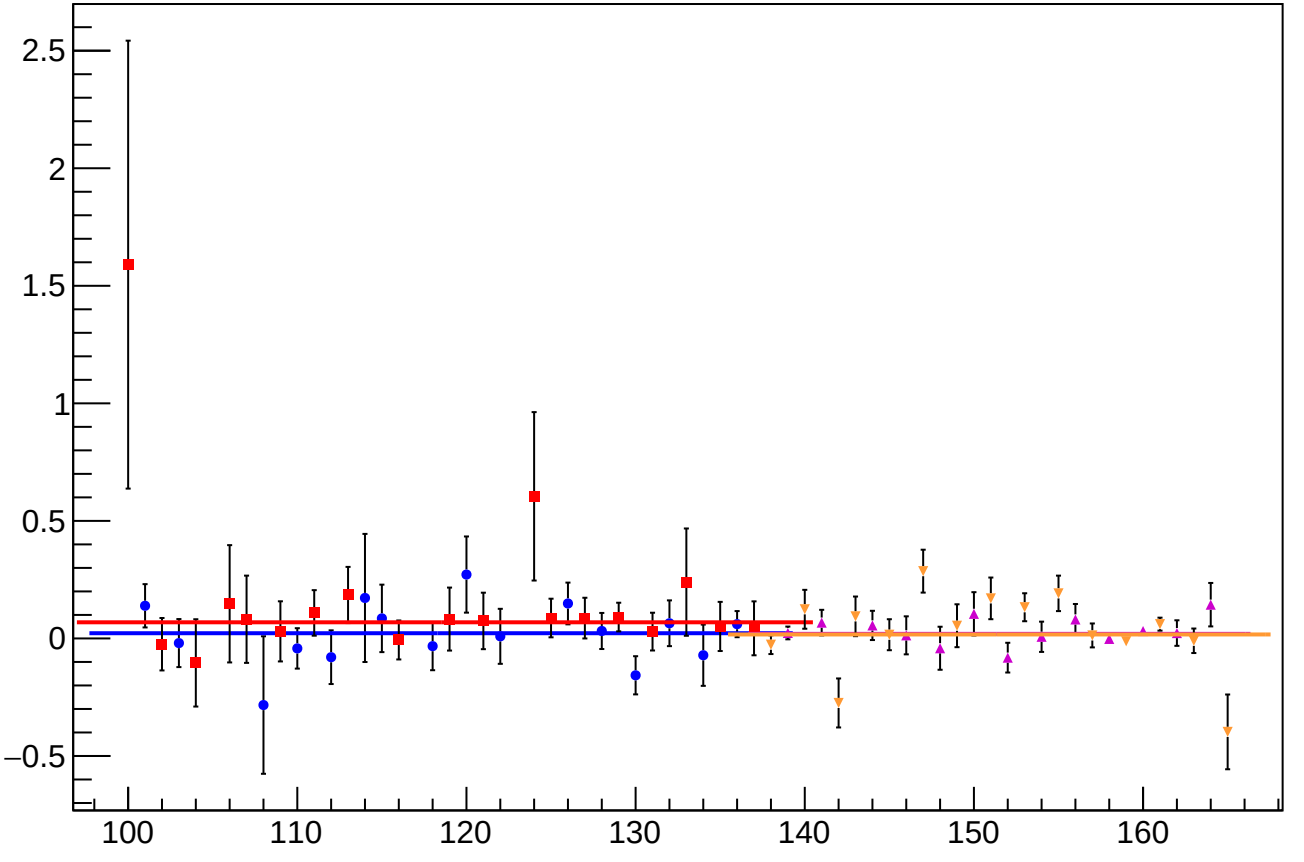
Left In: 22.388+/-0.007 χ^2/NDF:6965108.3/12

+ sign 32.787+/-0.007 χ^2/NDF: 11042156.4/30

All: 29.568+/-0.005 χ^2/NDF: 24296490.2/62

- sign 27.041+/-0.006 χ^2/NDF: 12884203.6/31

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

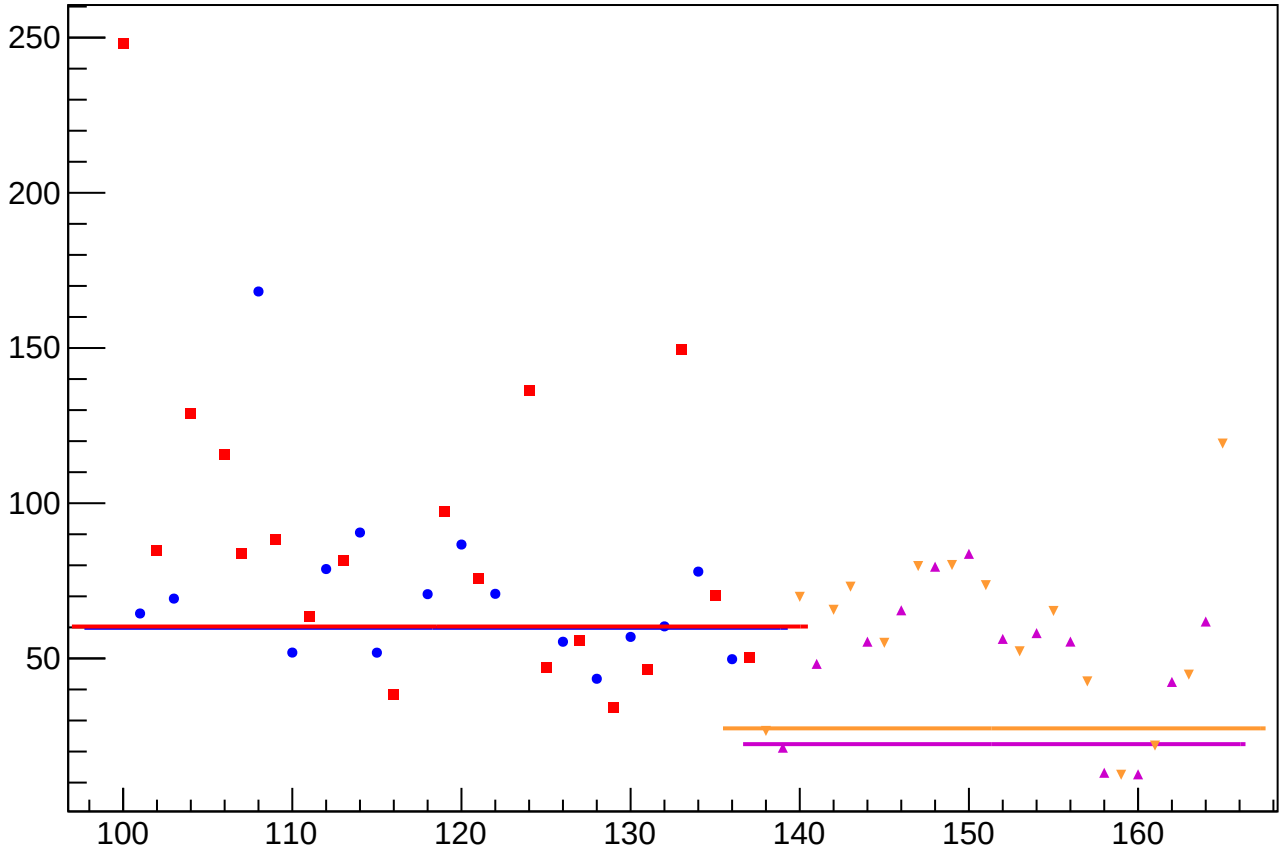
Left In: 0.019+/-0.009 χ^2/NDF:10.0/12

+ sign 0.018+/-0.010 χ^2/NDF: 61.2/30

All: 0.022+/-0.007 χ^2/NDF: 84.4/62

- sign 0.025+/-0.009 χ^2/NDF: 22.9/31

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.468+/-0.008 χ^2/NDF:7460953.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

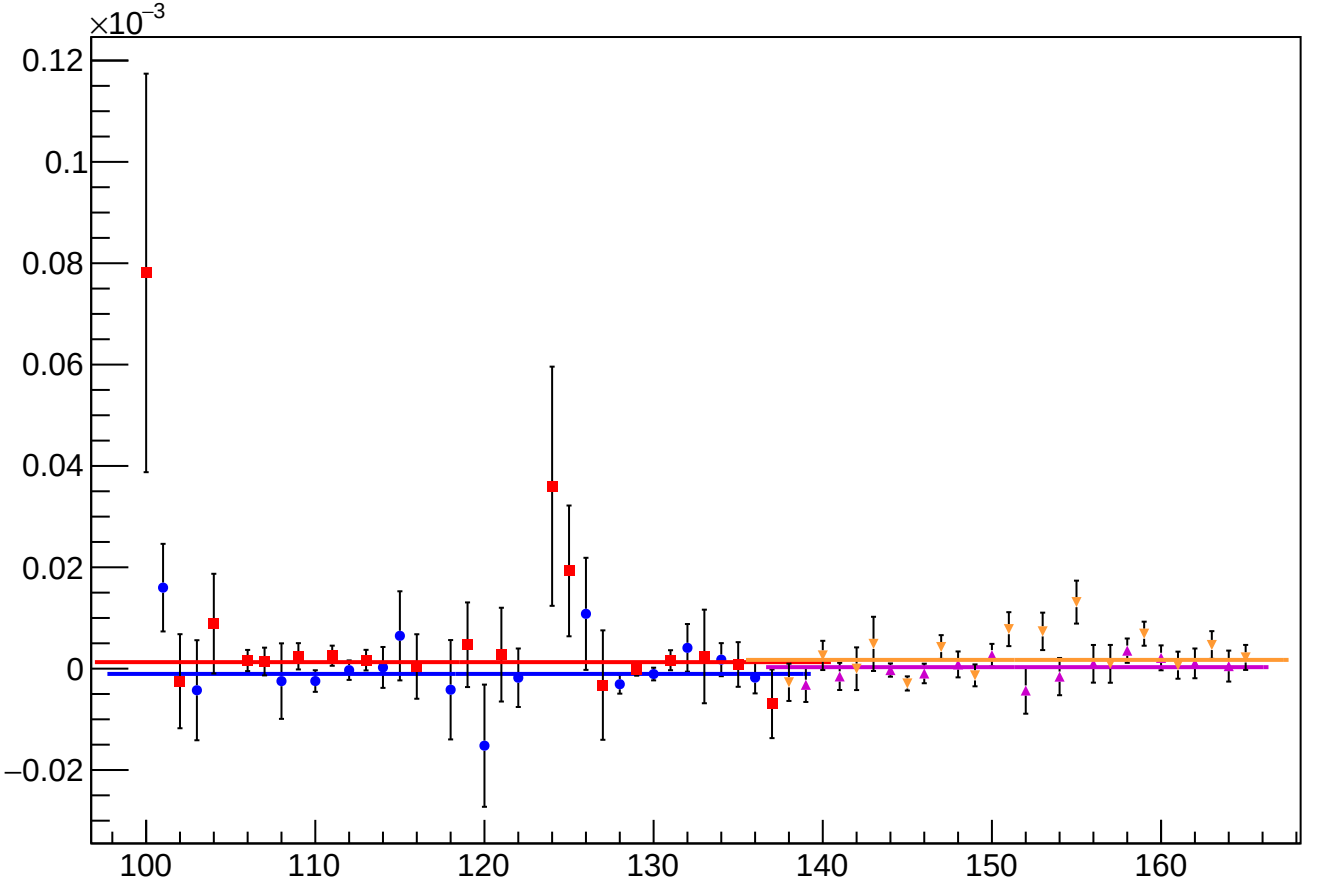
Left In: 22.388+/-0.007 χ^2/NDF:6965108.3/12

\+ sign 32.787+/-0.007 χ^2/NDF: 11042156.4/30

All: 29.568+/-0.005 χ^2/NDF: 24296490.2/62

\- sign 27.041+/-0.006 χ^2/NDF: 12884203.6/31

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

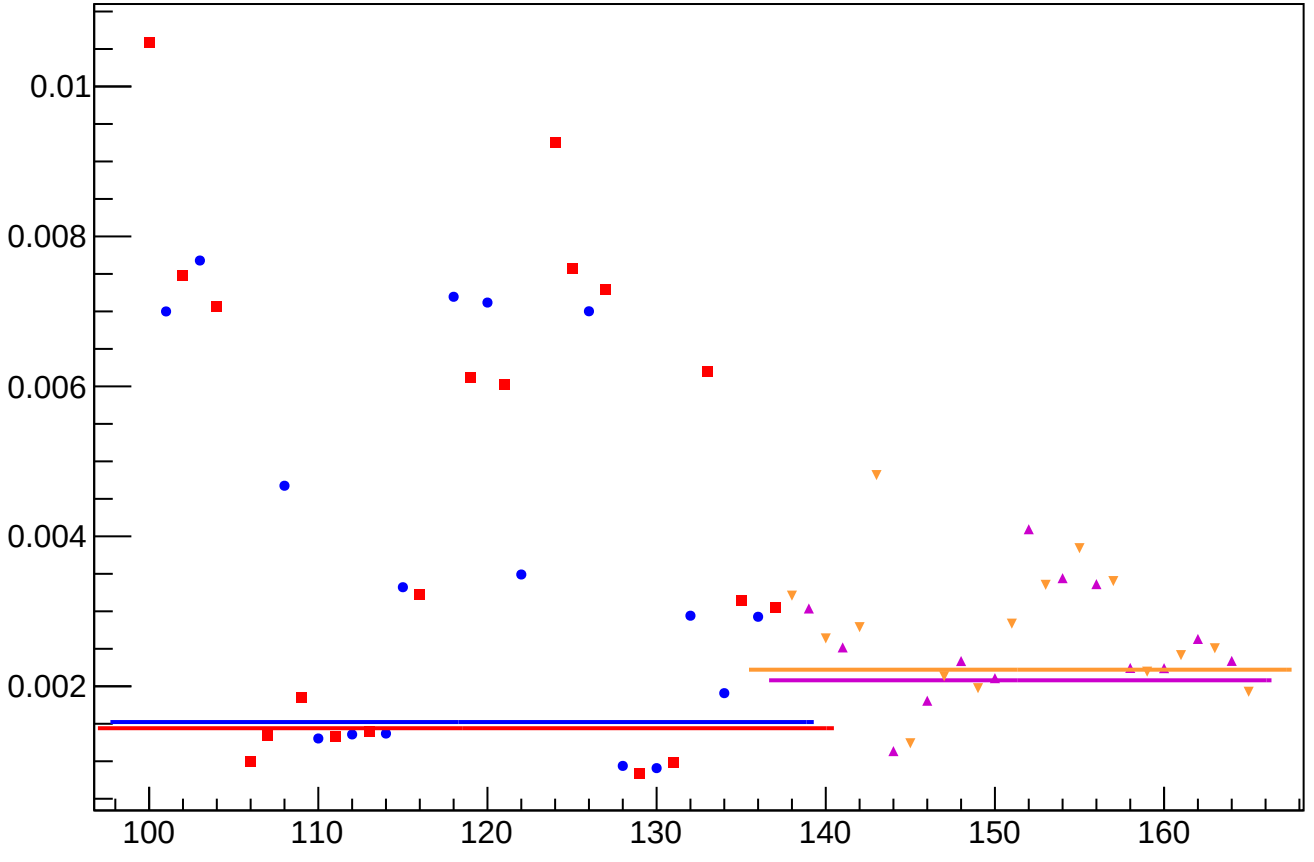
Left In: 0.000+/-0.000 χ^2/NDF:7.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/30

All: 0.000+/-0.000 χ^2/NDF: 74.8/62

- sign 0.000+/-0.000 χ^2/NDF: 20.6/31

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:2517800.4/14

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

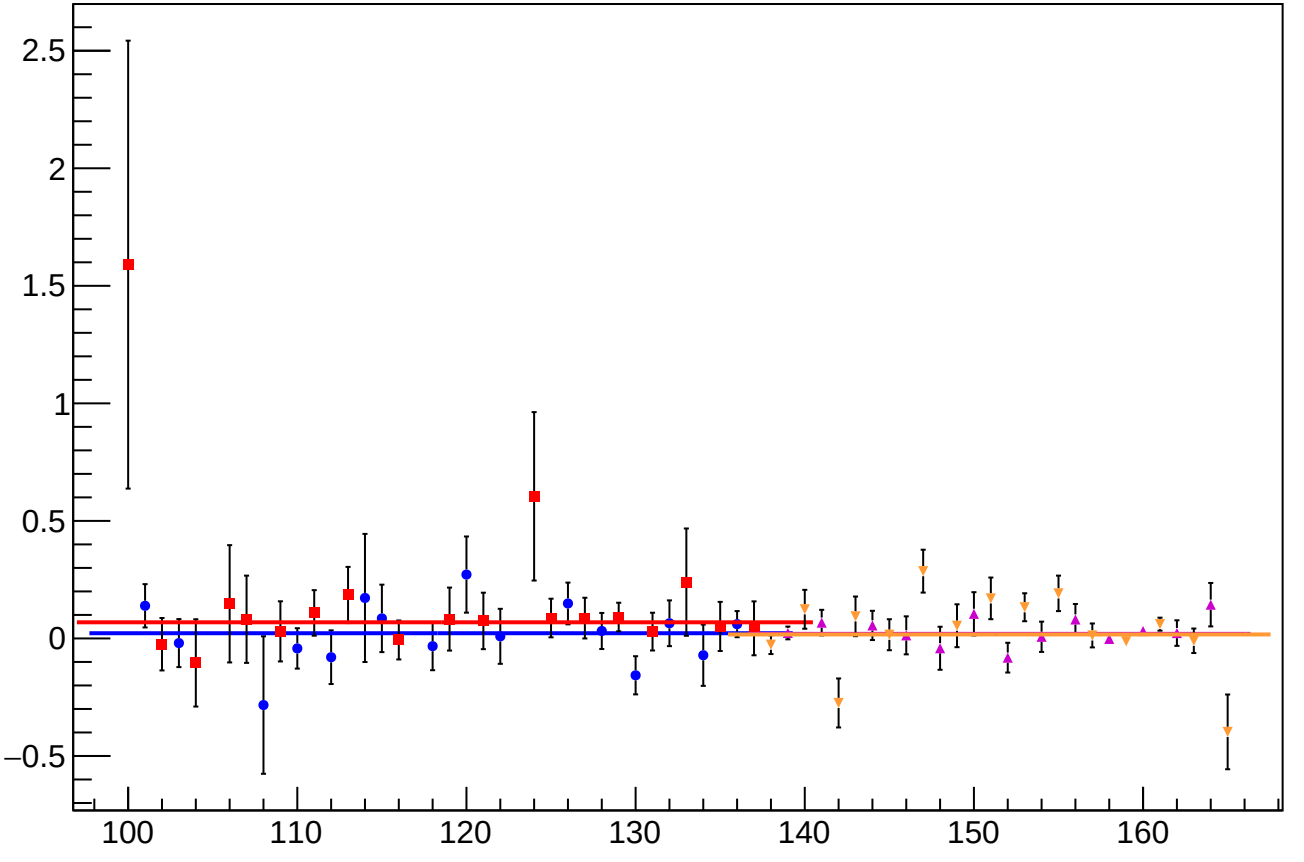
Left In: 0.002+/-0.000 χ^2/NDF:2321814.5/12

+ sign 0.002+/-0.000 χ^2/NDF: 8655231.7/30

All: 0.002+/-0.000 χ^2/NDF: 17694346.2/62

- sign 0.002+/-0.000 χ^2/NDF: 8975730.0/31

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.017+/-0.011 χ^2/NDF:45.7/14

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

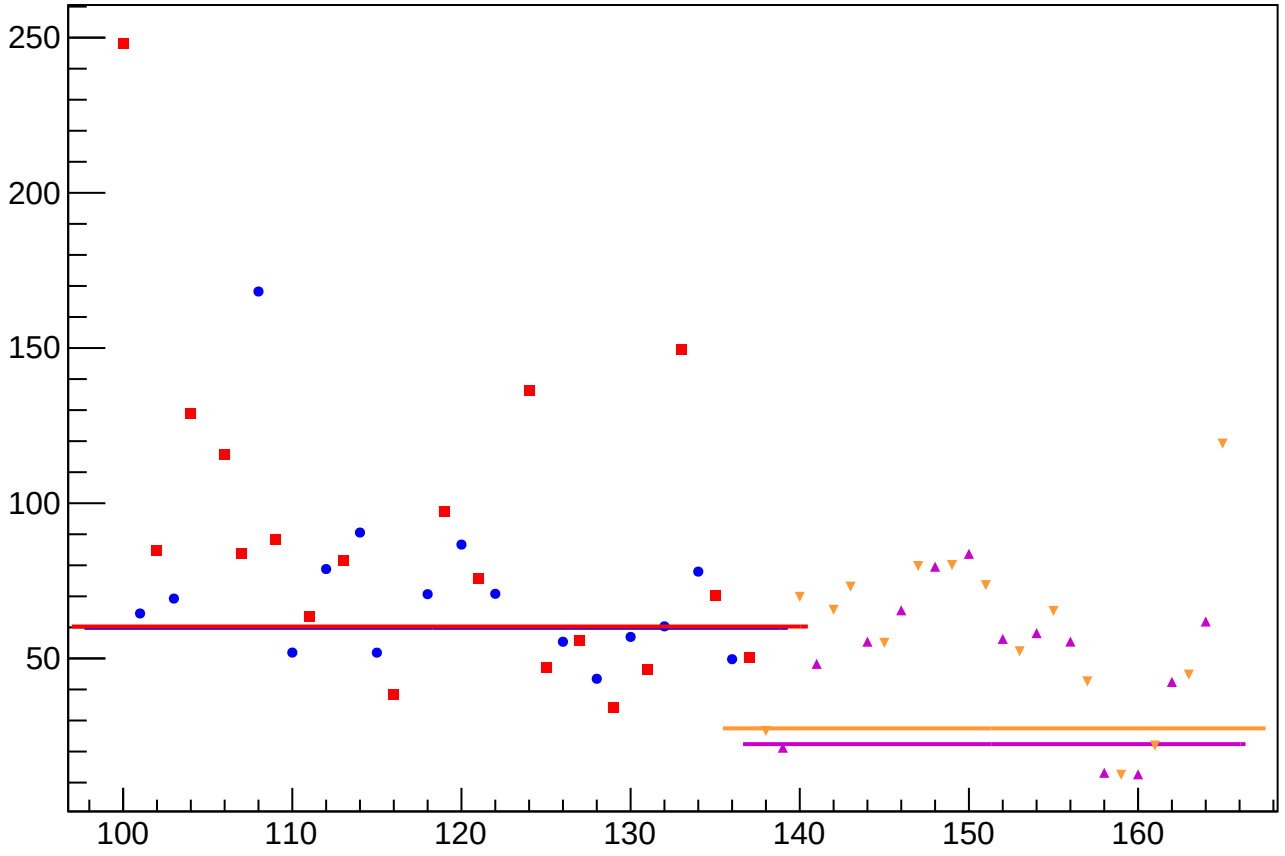
Left In: 0.019+/-0.009 χ^2/NDF:10.0/12

+ sign 0.018+/-0.010 χ^2/NDF: 61.2/30

All: 0.022+/-0.007 χ^2/NDF: 84.4/62

- sign 0.025+/-0.009 χ^2/NDF: 22.9/31

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.466+/-0.008 χ^2/NDF:7461964.9/14

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

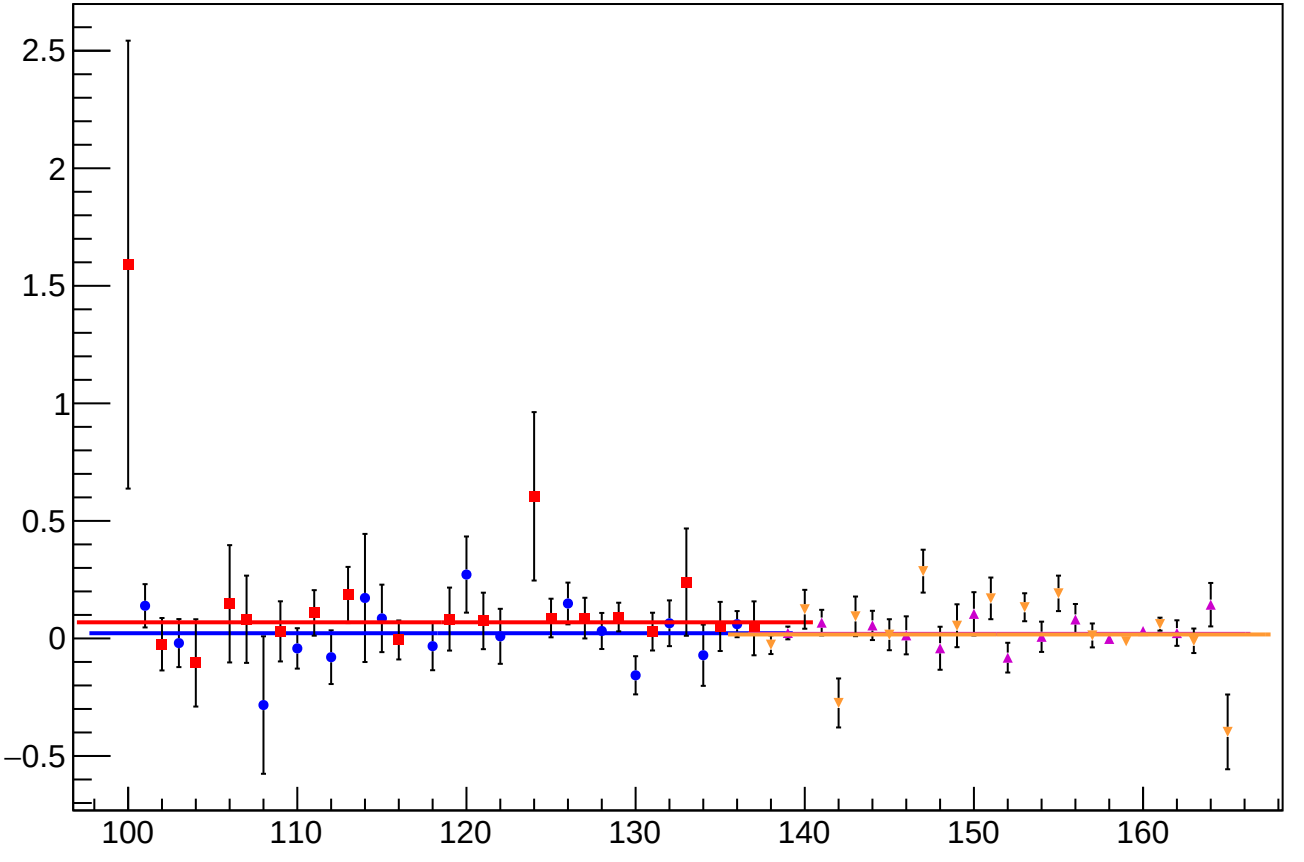
Left In: 22.387+/-0.007 χ^2/NDF:6965482.7/12

+ sign 32.784+/-0.007 χ^2/NDF: 11043745.2/30

All: 29.566+/-0.005 χ^2/NDF: 24298537.0/62

- sign 27.040+/-0.006 χ^2/NDF: 12884838.0/31

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: 0.017+/-0.011 χ^2/NDF:45.7/14

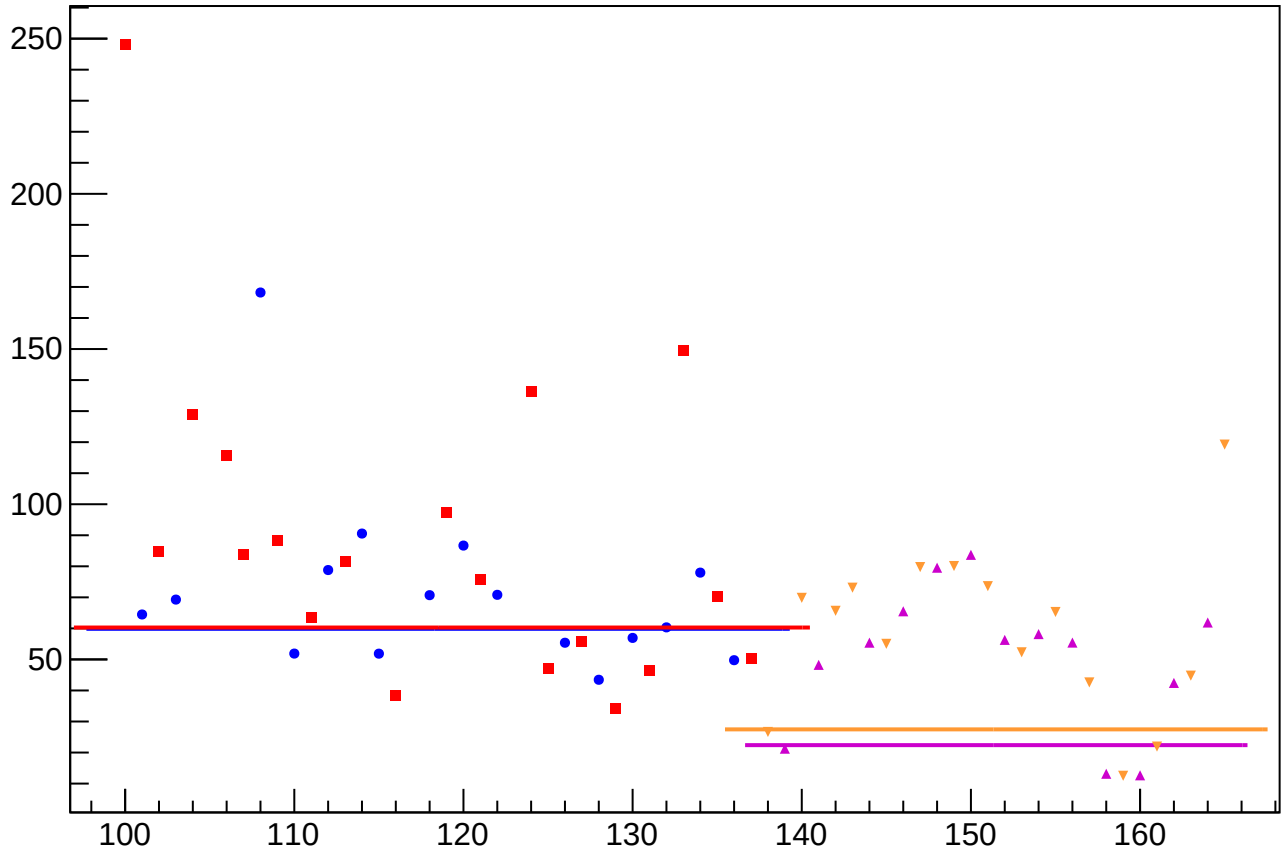
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.019+/-0.009 χ^2/NDF:10.0/12

+ sign 0.018+/-0.010 χ^2/NDF: 61.2/30

All: 0.022+/-0.007 χ^2/NDF: 84.4/62

- sign 0.025+/-0.009 χ^2/NDF: 22.9/31



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.466+/-0.008 χ^2/NDF:7461964.9/14

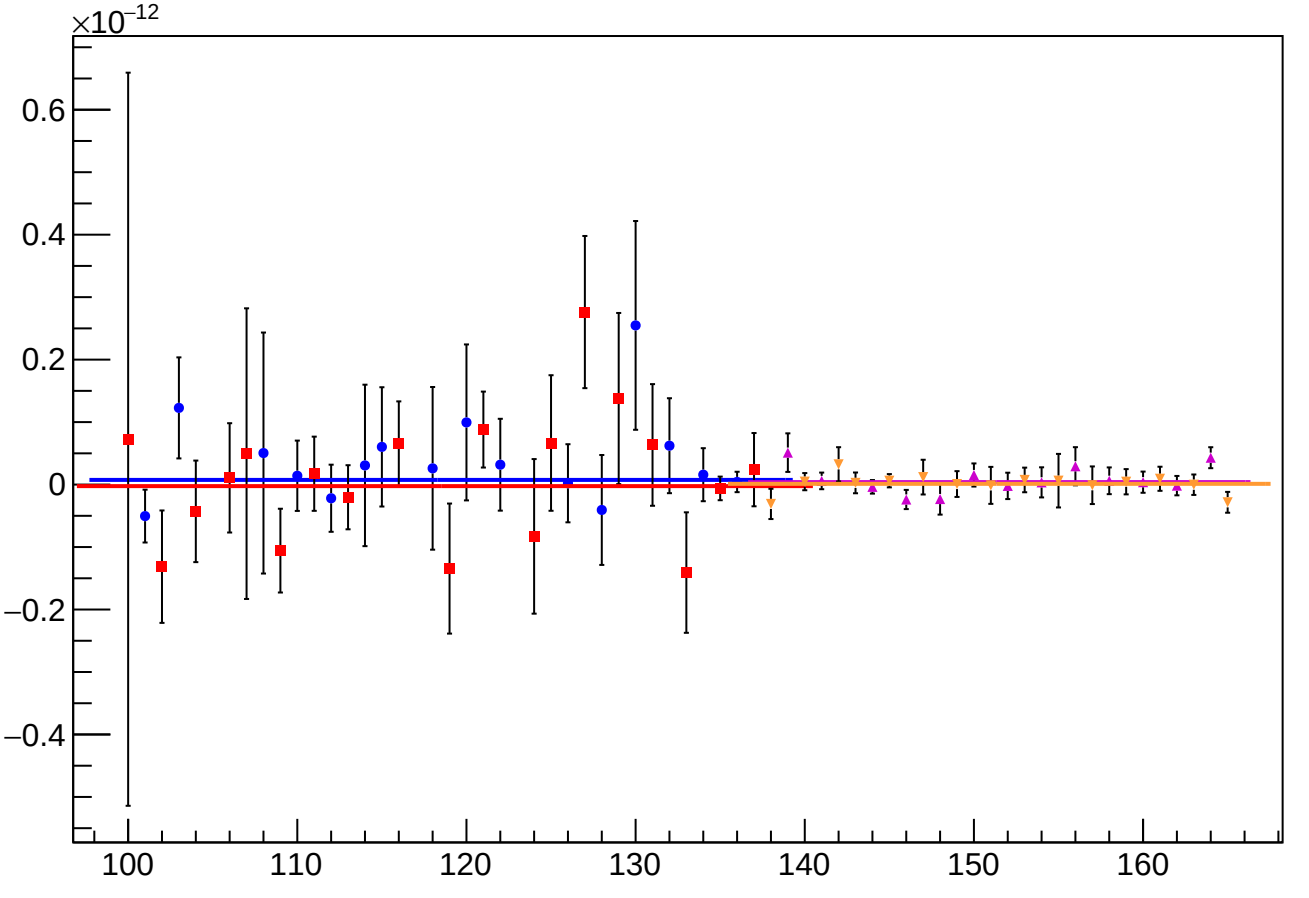
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.387+/-0.007 χ^2/NDF:6965482.7/12

+ sign 32.784+/-0.007 χ^2/NDF: 11043745.2/30

All: 29.566+/-0.005 χ^2/NDF: 24298537.0/62

- sign 27.040+/-0.006 χ^2/NDF: 12884838.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/14

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

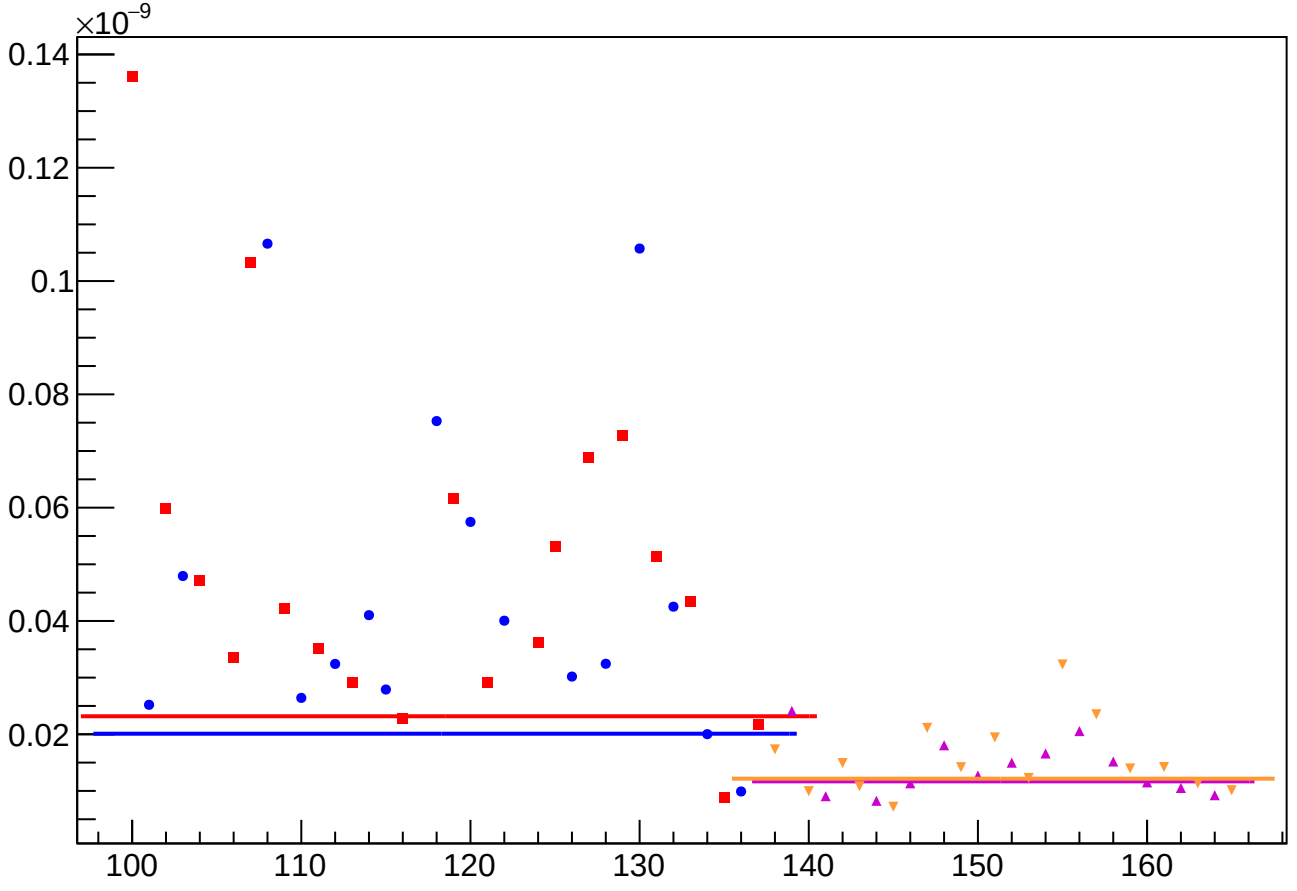
Left In: 0.000+/-0.000 χ^2/NDF:14.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 15.6/30

All: 0.000+/-0.000 χ^2/NDF: 49.5/62

- sign 0.000+/-0.000 χ^2/NDF: 33.9/31

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:1761022.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

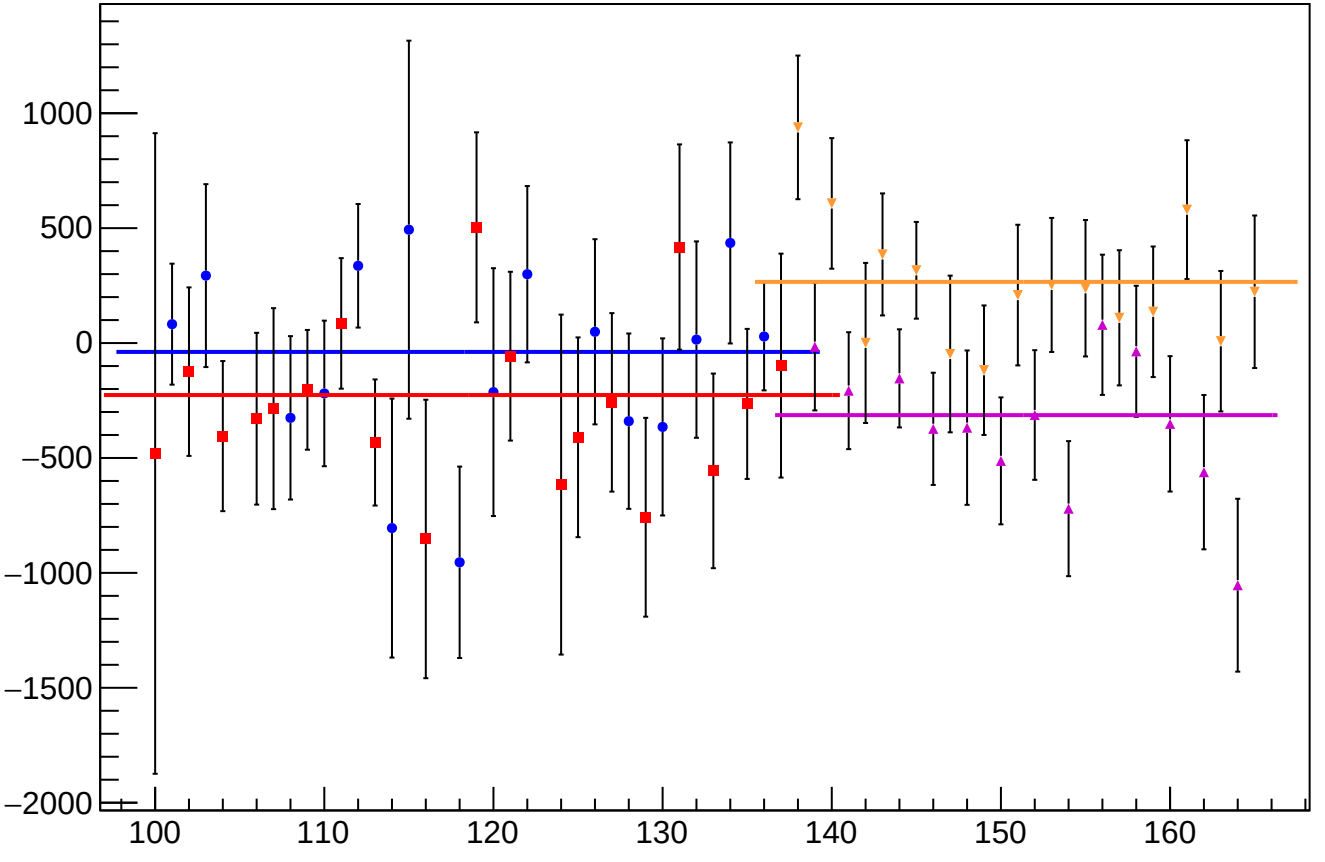
Left In: 0.000+/-0.000 χ^2/NDF:1148025.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 5618851.4/30

All: 0.000+/-0.000 χ^2/NDF: 11580815.0/62

- sign 0.000+/-0.000 χ^2/NDF: 5958673.3/31

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 266.194+/-75.095 χ^2/NDF:12.0/14

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

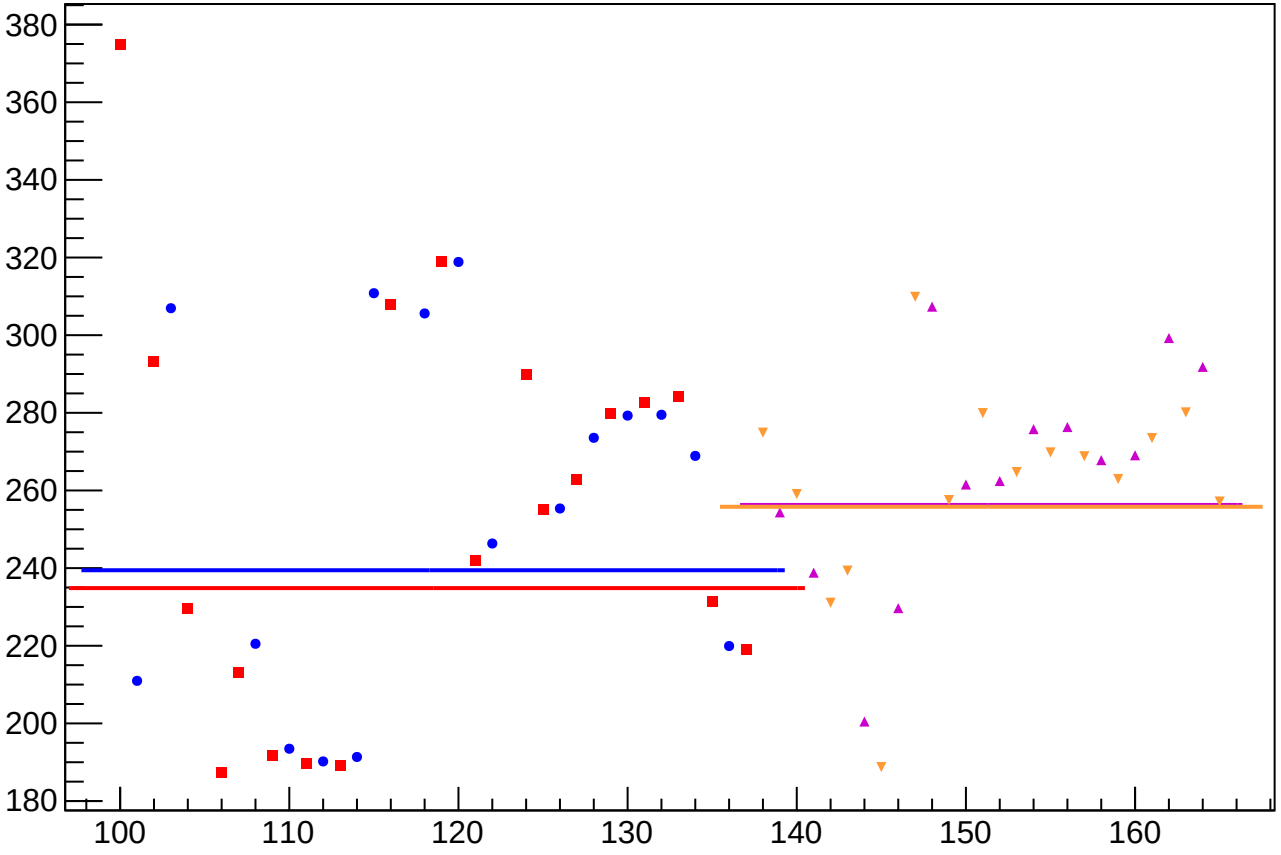
Left In: -313.606+/-78.128 χ^2/NDF:11.5/12

+ sign 142.143+/-57.821 χ^2/NDF: 33.1/30

All: -64.369+/-41.088 χ^2/NDF: 82.3/62

- sign -275.019+/-58.398 χ^2/NDF: 23.4/31

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 255.798+/-0.053 χ^2/NDF:322359.7/14

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

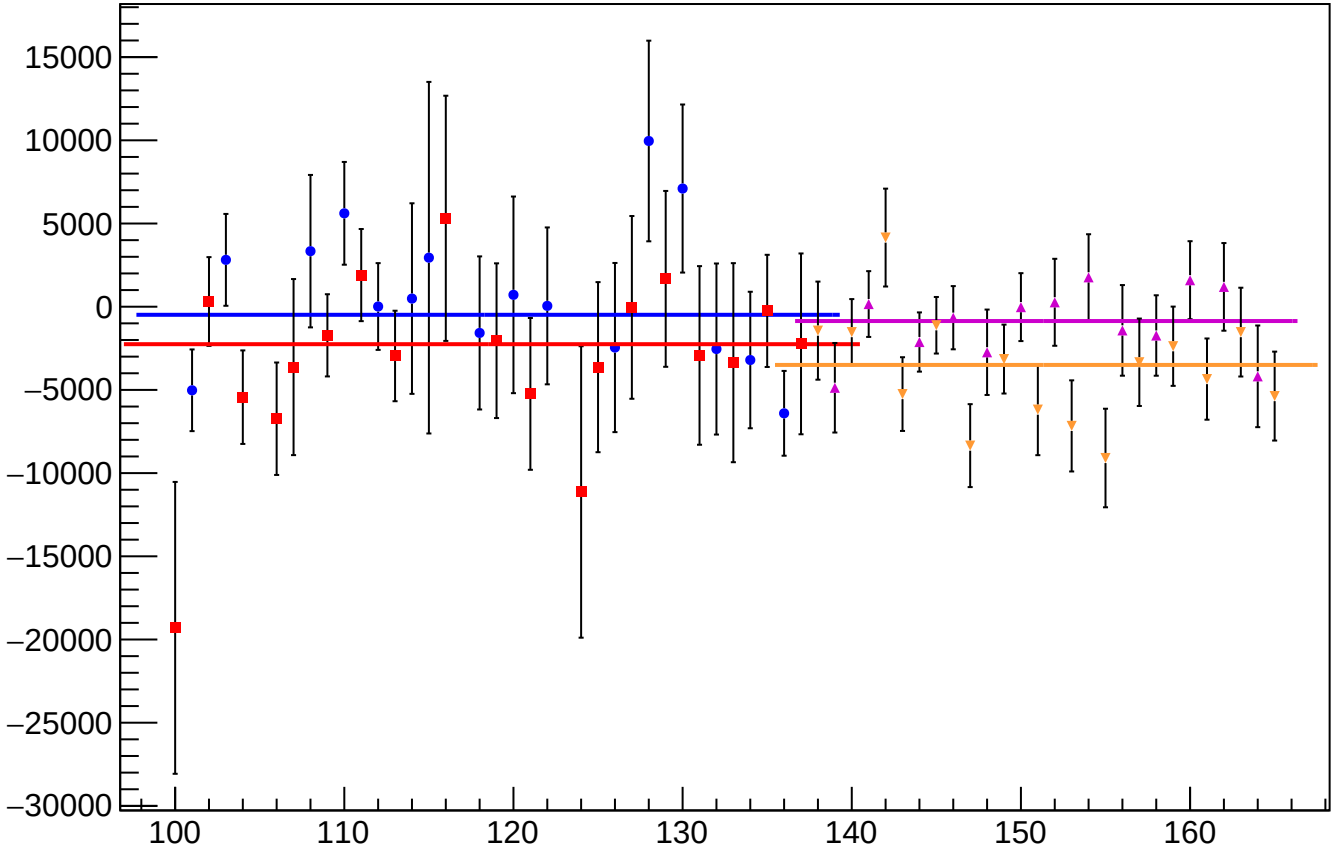
Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

+ sign 249.142+/-0.041 χ^2/NDF: 761911.7/30

All: 247.992+/-0.029 χ^2/NDF: 1604431.1/62

- sign 246.818+/-0.041 χ^2/NDF: 840920.7/31

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3498.719+/-622.695 χ^2/NDF:22.4/14

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

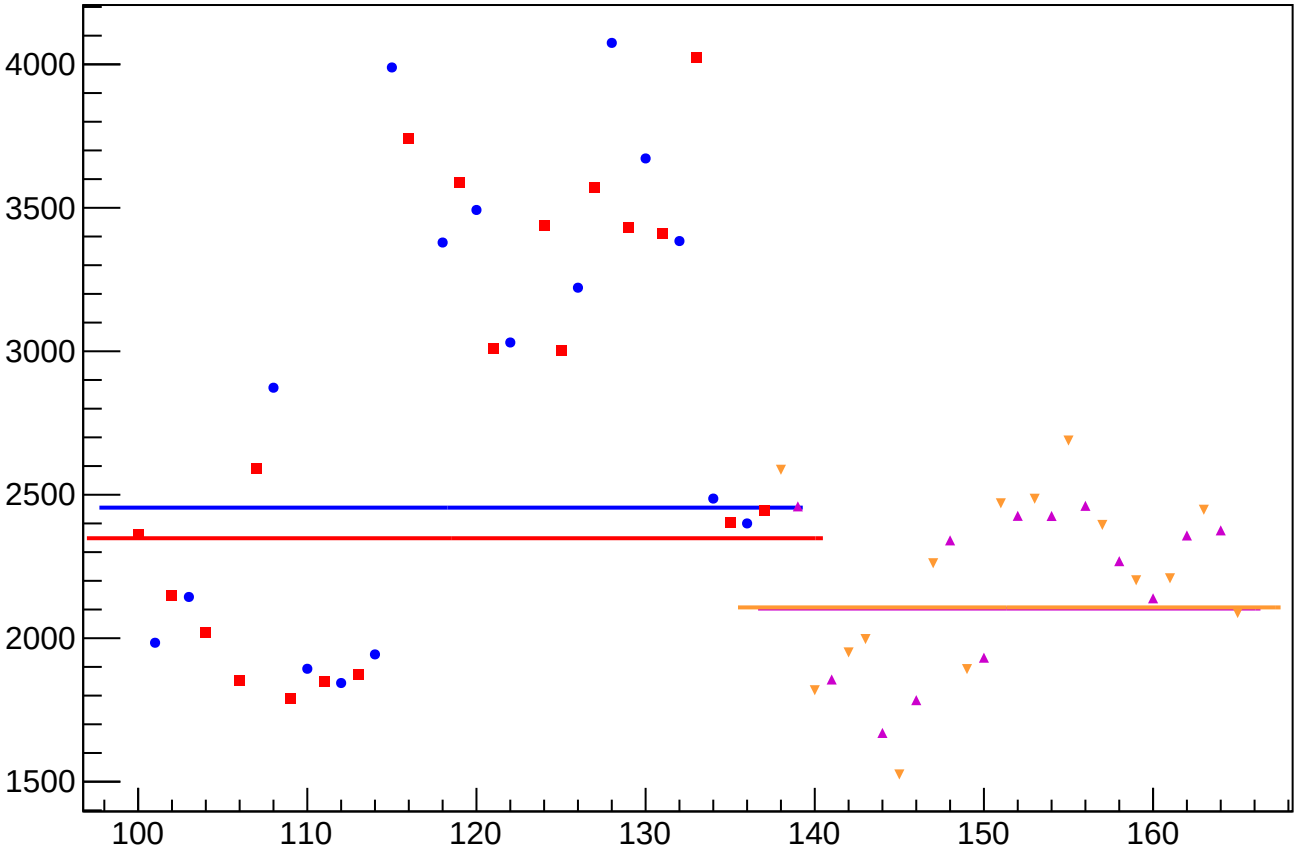
Left In: -860.989+/-643.654 χ^2/NDF:8.0/12

+ sign -2589.912+/-520.370 χ^2/NDF: 50.6/30

All: -1965.243+/-368.669 χ^2/NDF: 76.9/62

- sign -1335.717+/-522.389 χ^2/NDF: 23.5/31

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2107.365+/-0.440 χ^2/NDF:583405.1/14

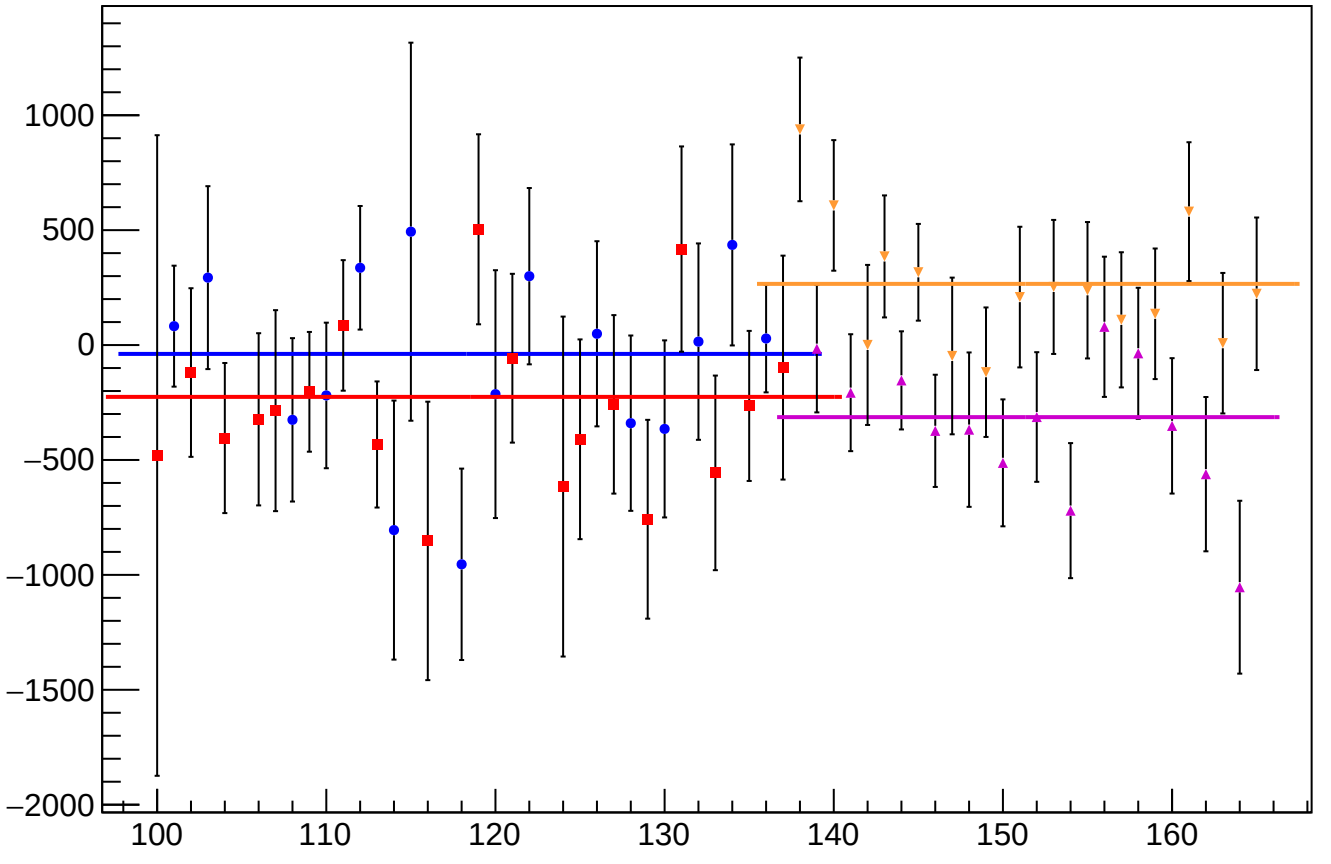
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2103.371+/-0.455 χ^2/NDF:413364.9/12

+ sign 2212.260+/-0.368 χ^2/NDF: 1665936.9/30

All: 2199.688+/-0.261 χ^2/NDF: 3233029.8/62

- sign 2187.017+/-0.369 χ^2/NDF: 1564748.8/31



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 266.203+/-75.095 χ^2/NDF:12.0/14

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

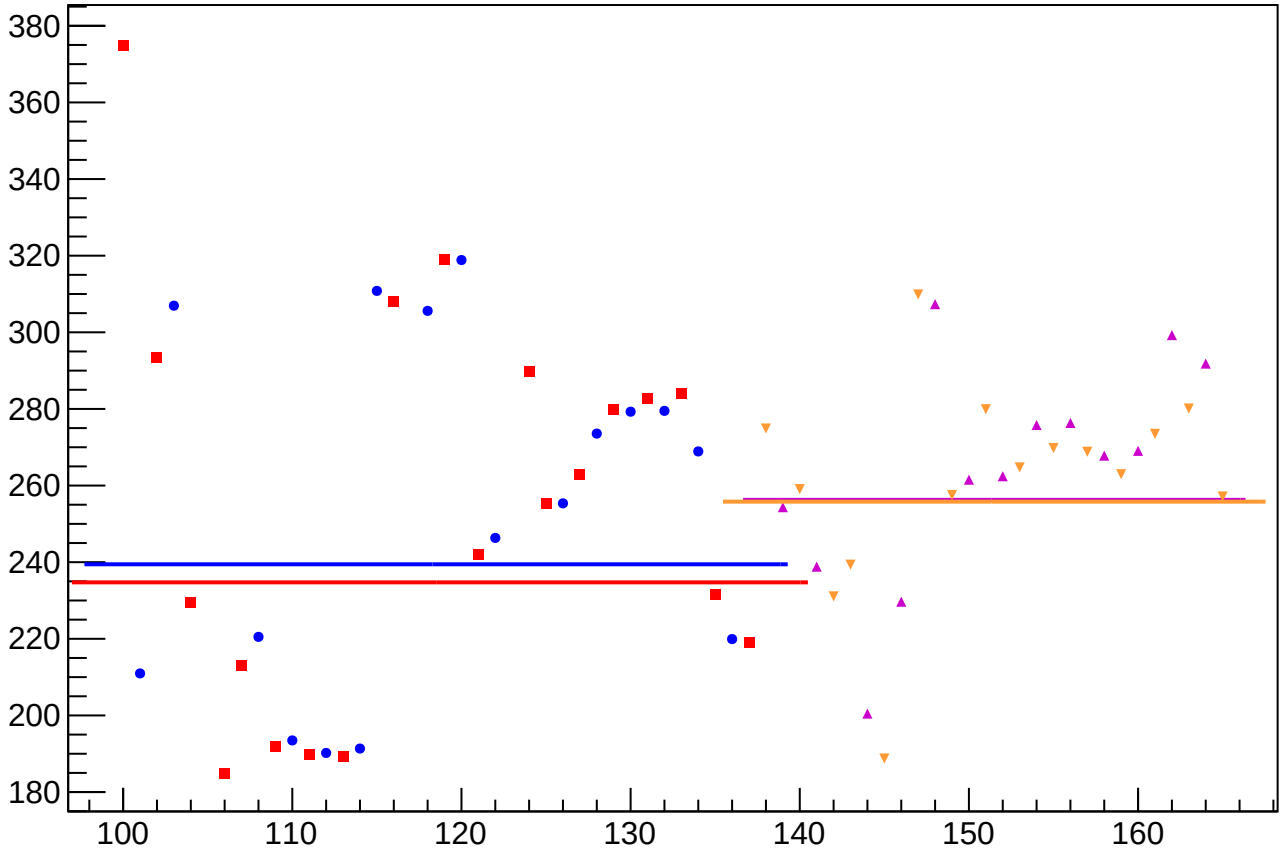
Left In: -313.610+/-78.128 χ^2/NDF:11.5/12

+ sign 142.139+/-57.821 χ^2/NDF: 33.1/30

All: -64.218+/-41.089 χ^2/NDF: 82.3/62

- sign -274.740+/-58.402 χ^2/NDF: 23.4/31

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.798+/-0.053 χ^2/NDF:322359.7/14

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

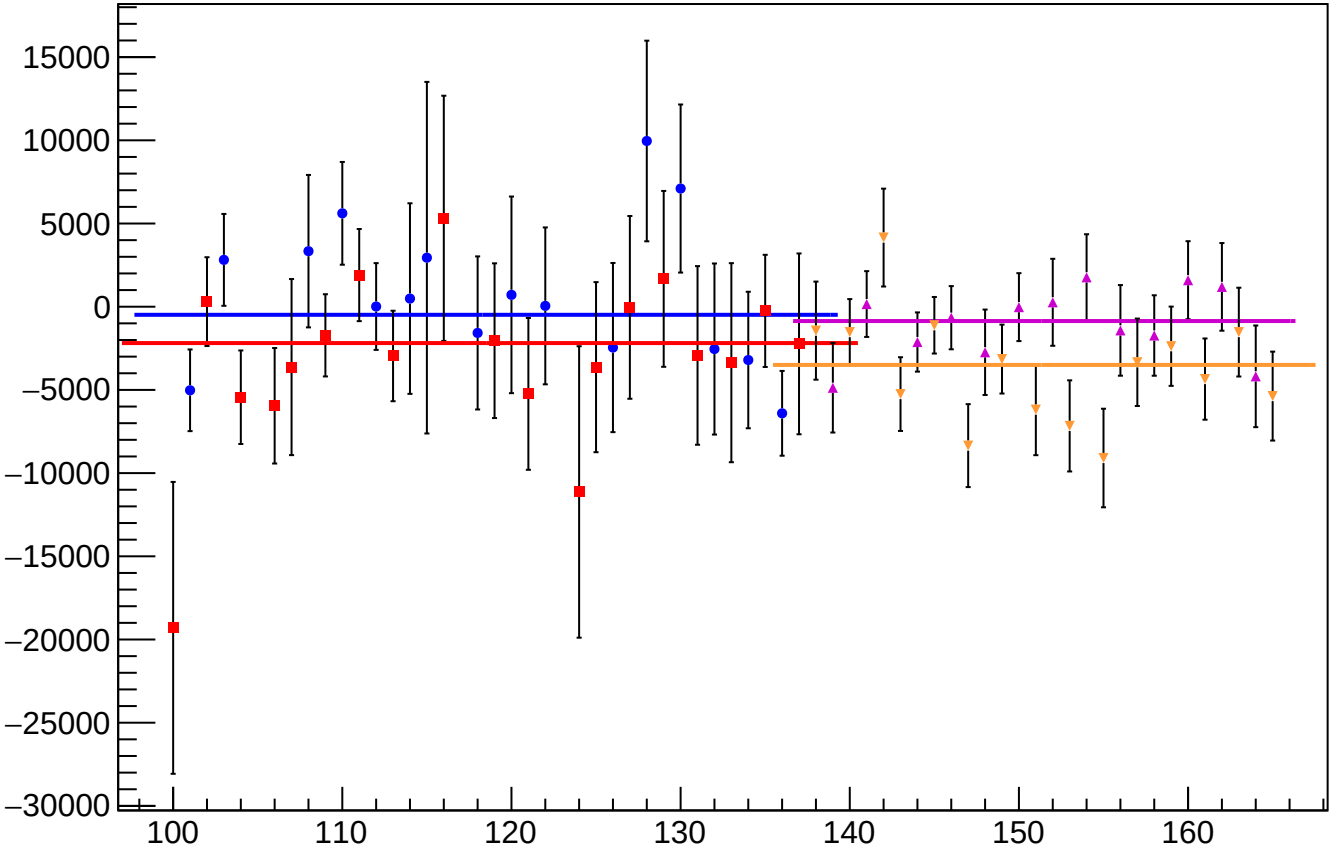
Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

+ sign 249.142+/-0.041 χ^2/NDF: 761913.8/30

All: 247.966+/-0.029 χ^2/NDF: 1608772.9/62

- sign 246.766+/-0.041 χ^2/NDF: 845188.0/31

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3498.708+/-622.695 χ^2/NDF:22.4/14

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

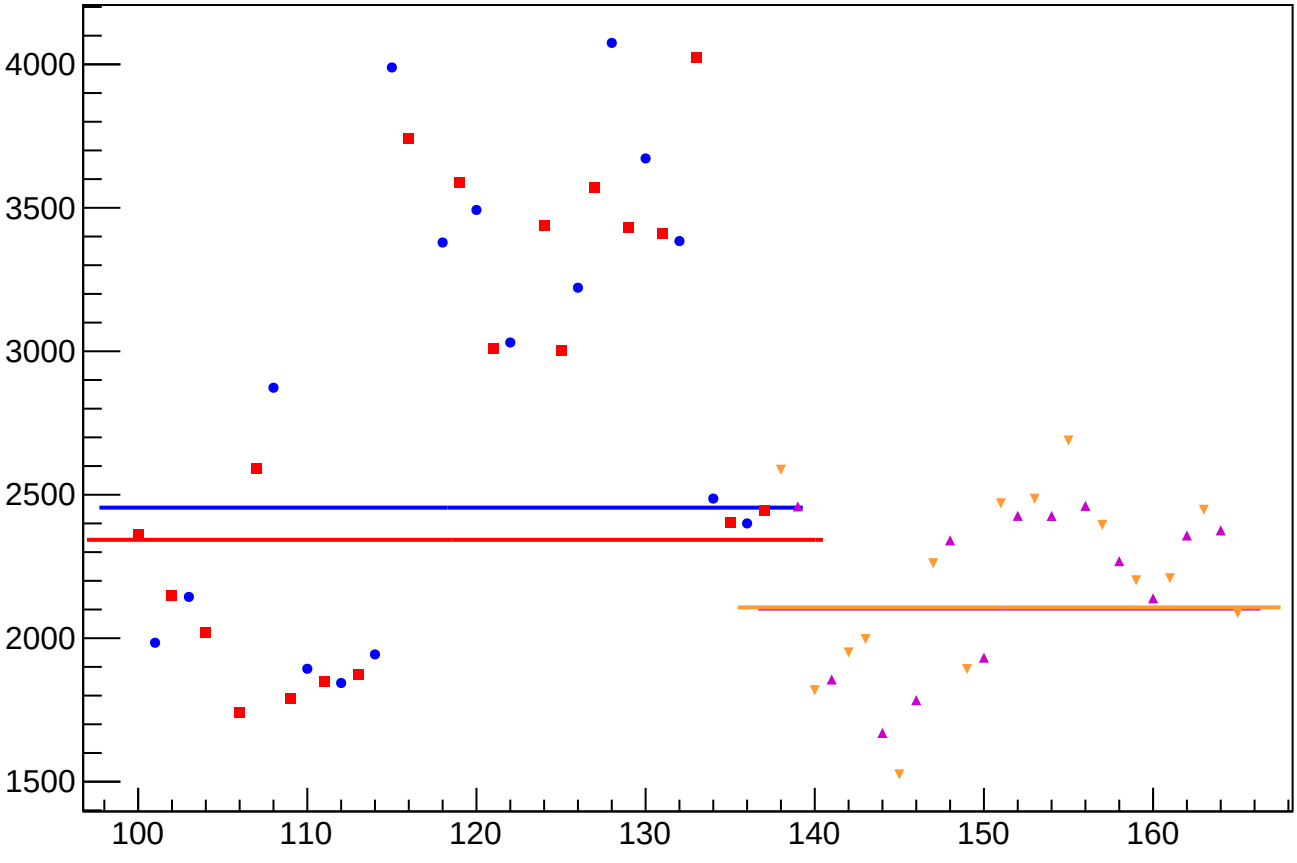
Left In: -861.003+/-643.654 χ^2/NDF:8.0/12

+ sign -2589.967+/-520.371 χ^2/NDF: 50.6/30

All: -1953.725+/-368.788 χ^2/NDF: 76.2/62

- sign -1311.713+/-522.725 χ^2/NDF: 22.7/31

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2107.365+/-0.440 χ^2/NDF:583407.0/14

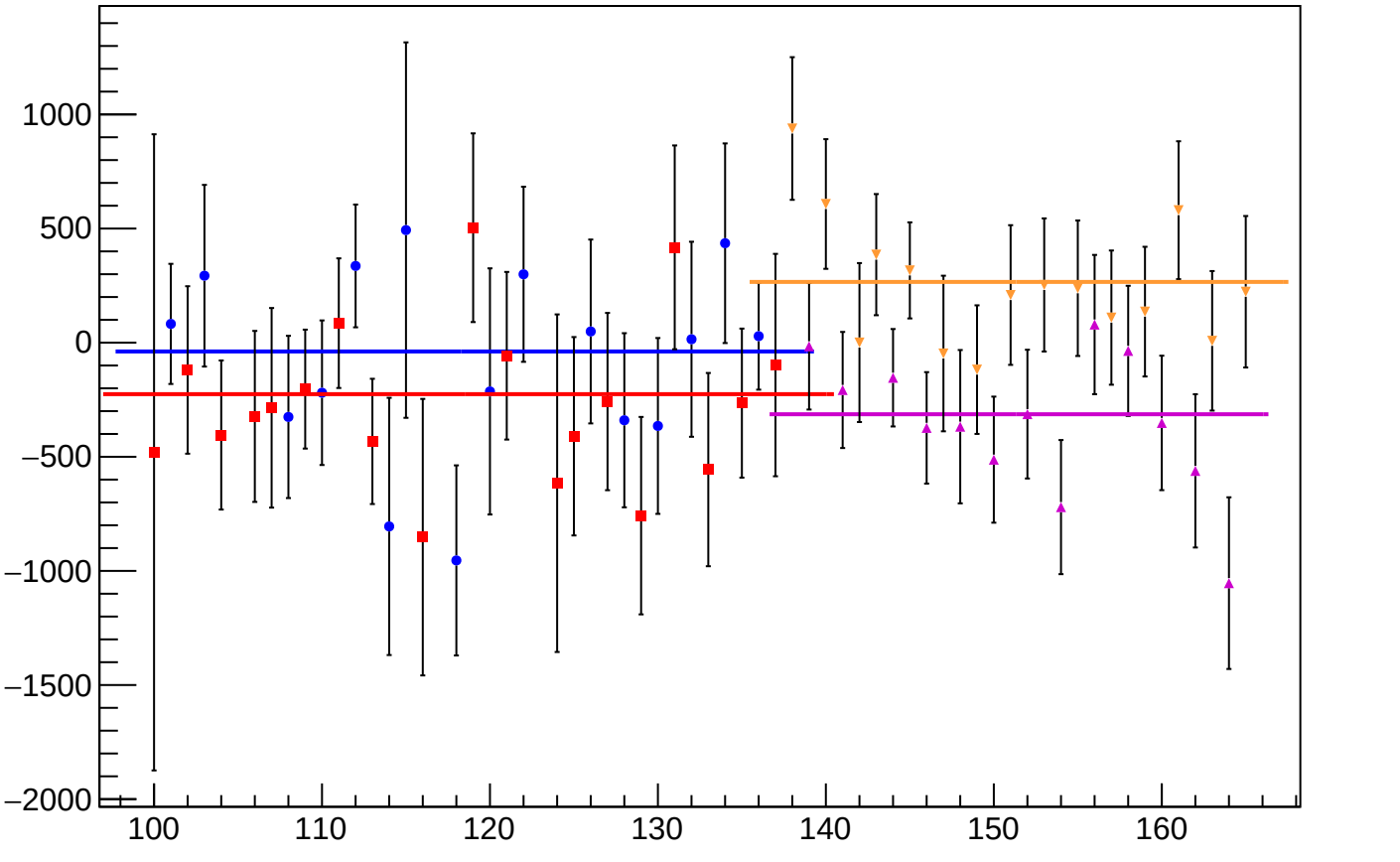
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2103.372+/-0.455 χ^2/NDF:413362.9/12

+ sign 2212.266+/-0.368 χ^2/NDF: 1665932.0/30

All: 2198.665+/-0.261 χ^2/NDF: 3246769.5/62

- sign 2184.940+/-0.370 χ^2/NDF: 1578092.3/31



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 266.203+/-75.095 χ^2/NDF:12.0/14

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

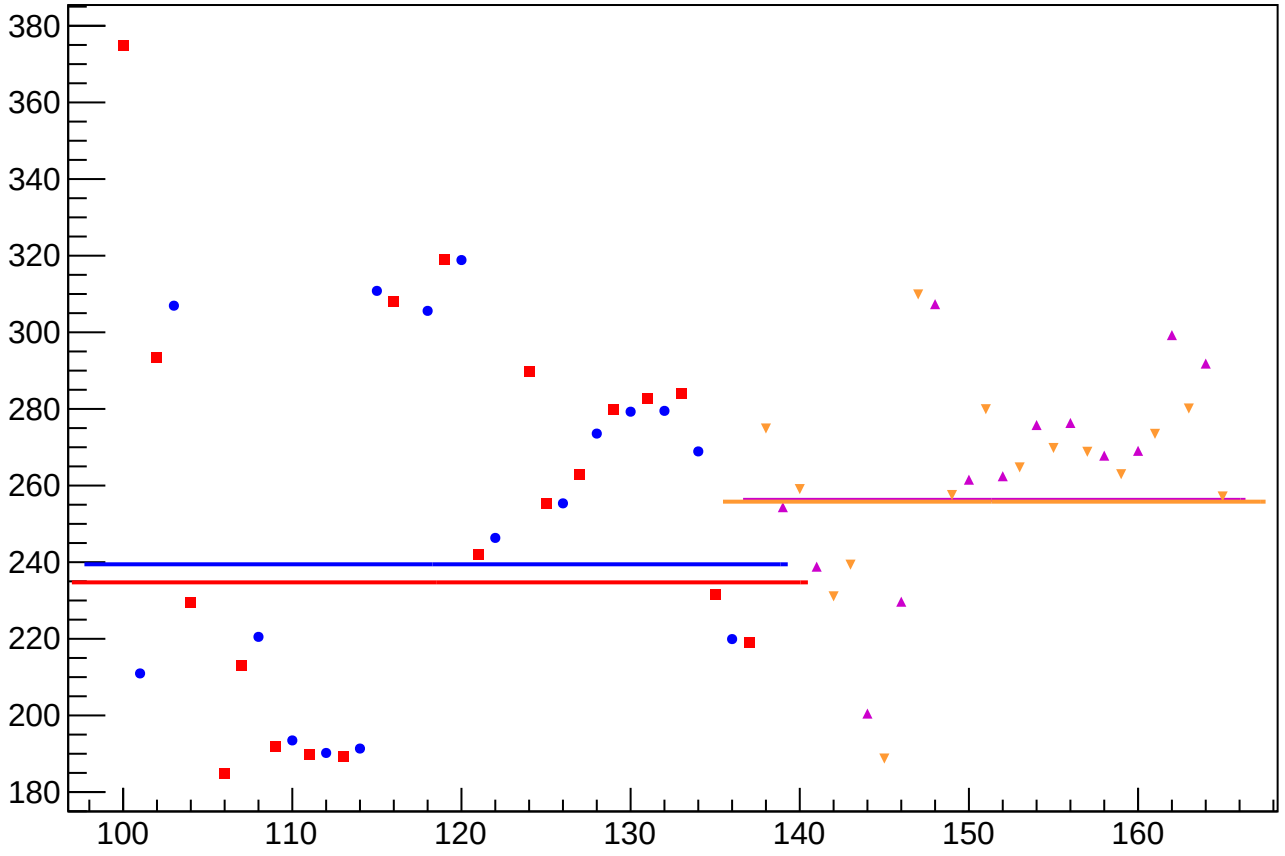
Left In: -313.610+/-78.128 χ^2/NDF:11.5/12

+ sign 142.139+/-57.821 χ^2/NDF: 33.1/30

All: -64.218+/-41.089 χ^2/NDF: 82.3/62

- sign -274.740+/-58.402 χ^2/NDF: 23.4/31

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.798+/-0.053 χ^2/NDF:322359.7/14

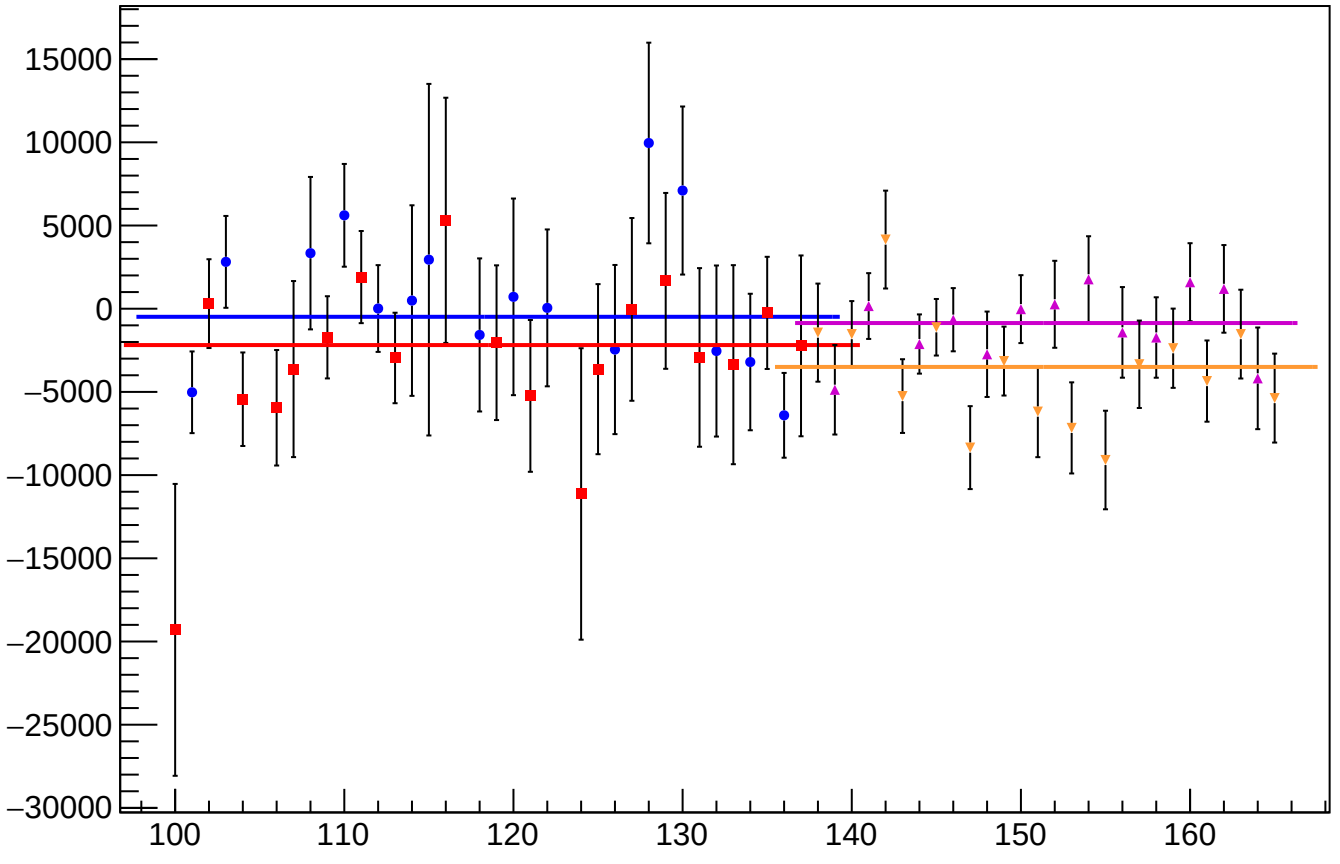
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

+ sign 249.142+/-0.041 χ^2/NDF: 761913.8/30

All: 247.966+/-0.029 χ^2/NDF: 1608772.9/62

- sign 246.766+/-0.041 χ^2/NDF: 845188.0/31



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3498.708+/-622.695 χ^2/NDF:22.4/14

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

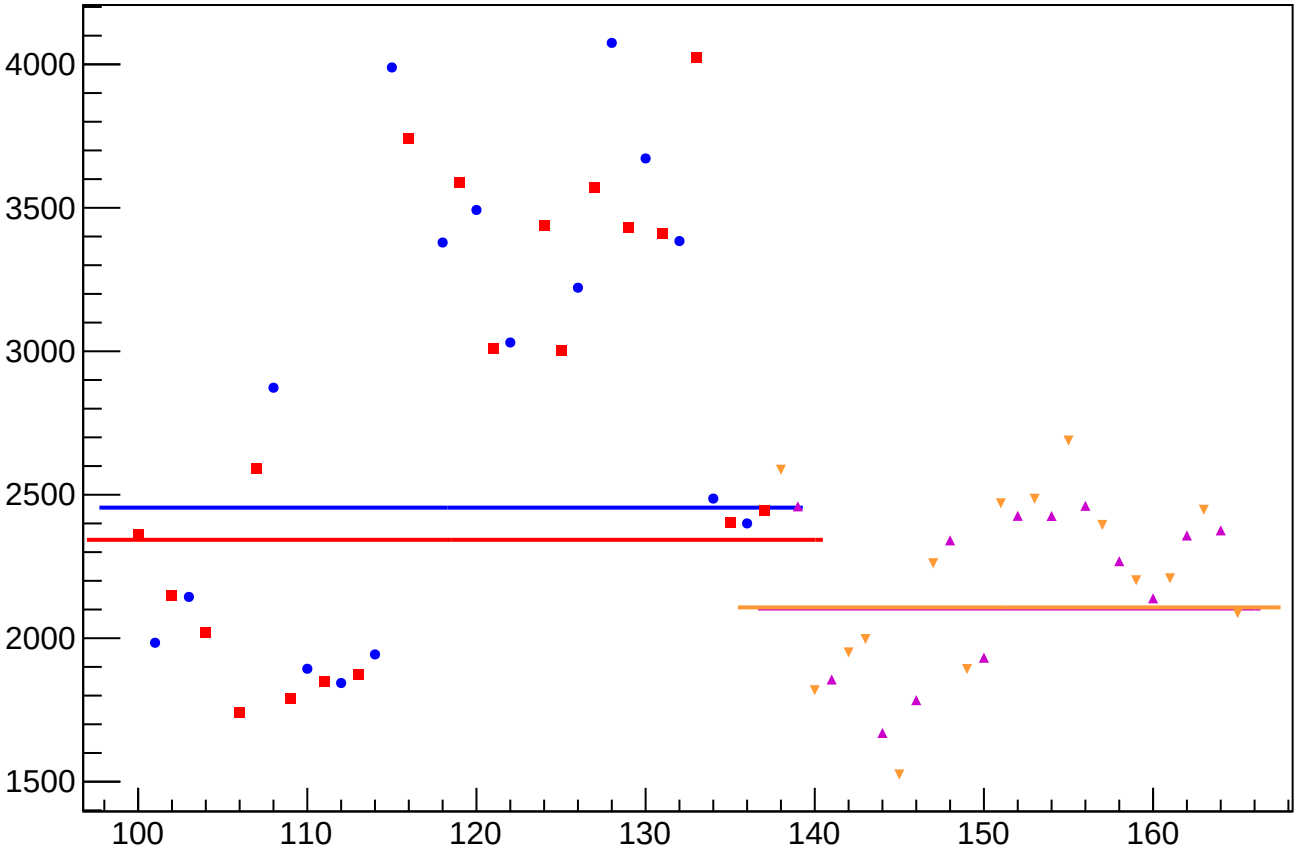
Left In: -861.003+/-643.654 χ^2/NDF:8.0/12

+ sign -2589.967+/-520.371 χ^2/NDF: 50.6/30

All: -1953.725+/-368.788 χ^2/NDF: 76.2/62

- sign -1311.713+/-522.725 χ^2/NDF: 22.7/31

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2107.365+/-0.440 χ^2/NDF:583407.0/14

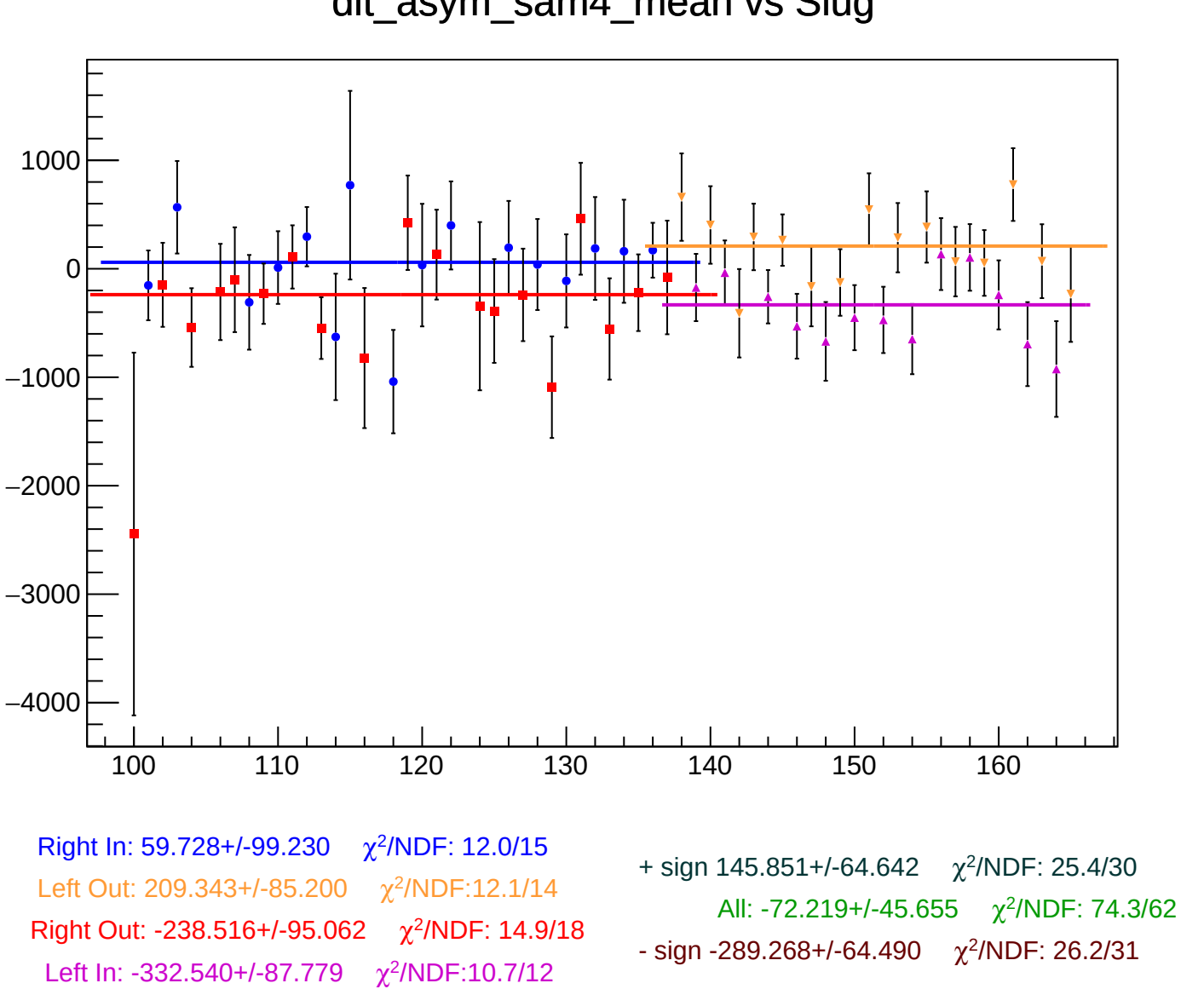
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2103.372+/-0.455 χ^2/NDF:413362.9/12

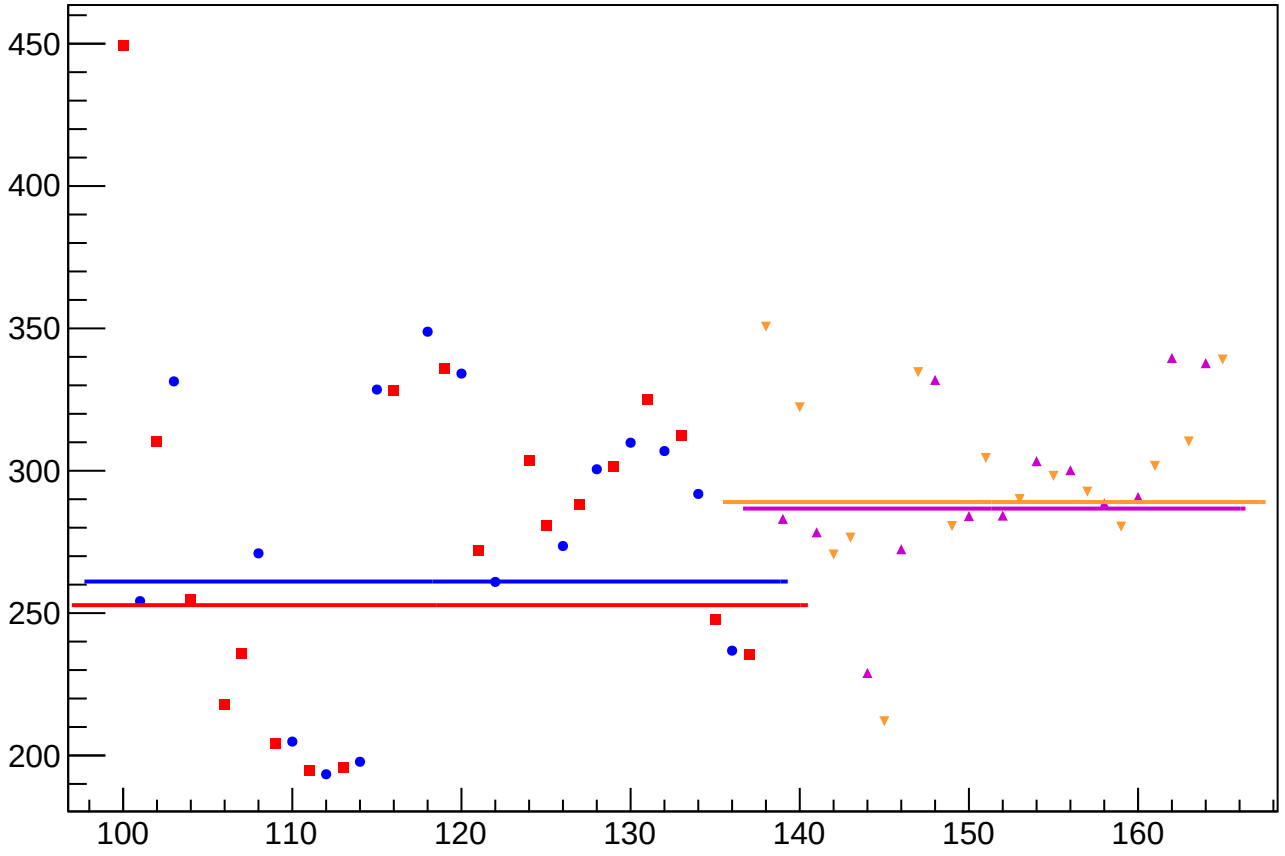
+ sign 2212.266+/-0.368 χ^2/NDF: 1665932.0/30

All: 2198.665+/-0.261 χ^2/NDF: 3246769.5/62

- sign 2184.940+/-0.370 χ^2/NDF: 1578092.3/31


dit_asym_sam4_mean vs Slug
1000
0
−1000
−2000
−3000
−4000
100
110
120
130
140
150
160
Right In: 59.728+/-99.230 χ²/NDF: 12.0/15
Left Out: 209.343+/-85.200 χ²/NDF:12.1/14
Right Out: -238.516+/-95.062 χ²/NDF: 14.9/18
Left In: -332.540+/-87.779 χ²/NDF:10.7/12
+ sign 145.851+/-64.642 χ²/NDF: 25.4/30
All: -72.219+/-45.655 χ²/NDF: 74.3/62
- sign -289.268+/-64.490 χ²/NDF: 26.2/31

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 289.011+/-0.060 χ^2/NDF:359077.5/14

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

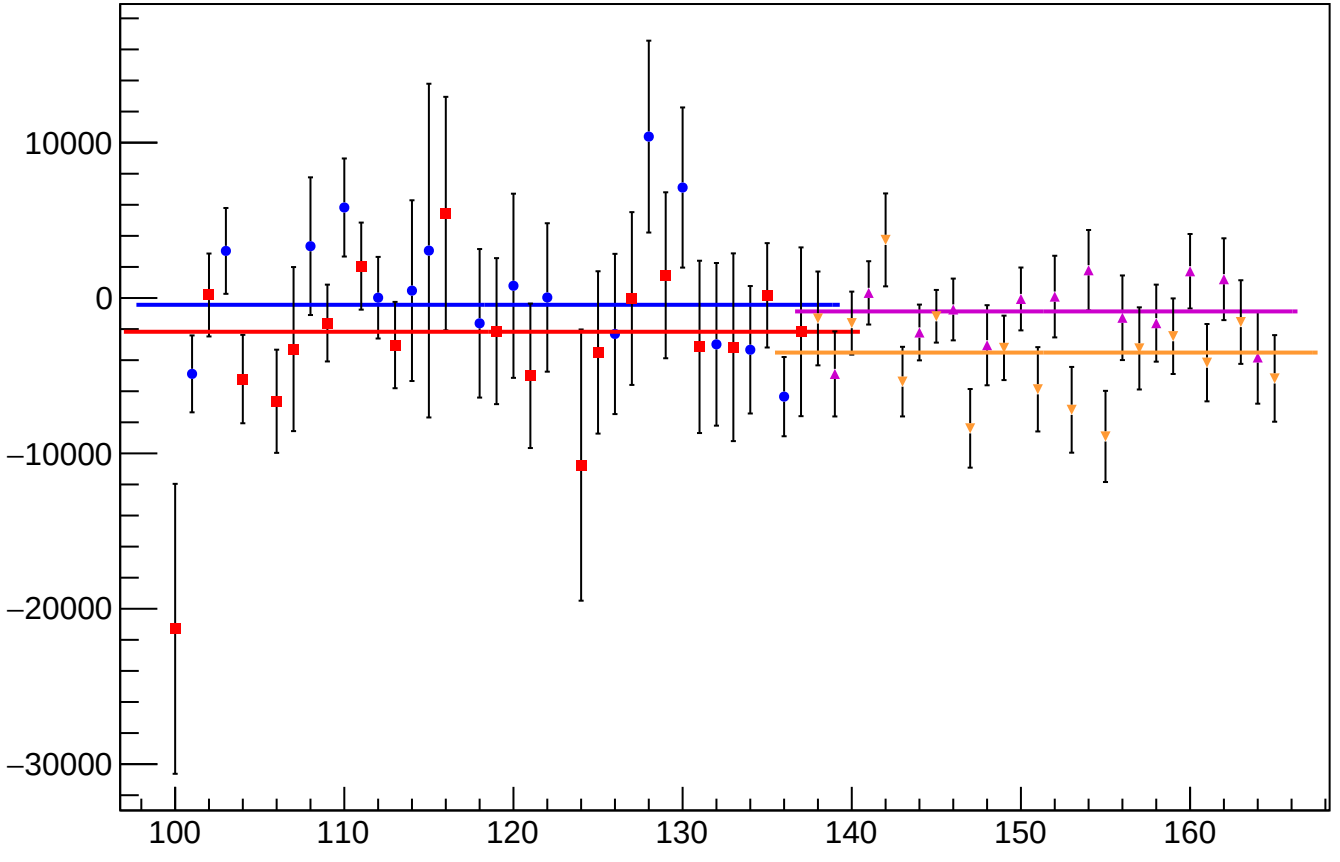
Left In: 286.716+/-0.062 χ^2/NDF:220969.4/12

+ sign 277.162+/-0.046 χ^2/NDF: 912895.5/30

All: 274.124+/-0.032 χ^2/NDF: 1817483.4/62

- sign 271.101+/-0.046 χ^2/NDF: 895776.1/31

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3511.378+/-629.386 χ^2/NDF:20.7/14

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

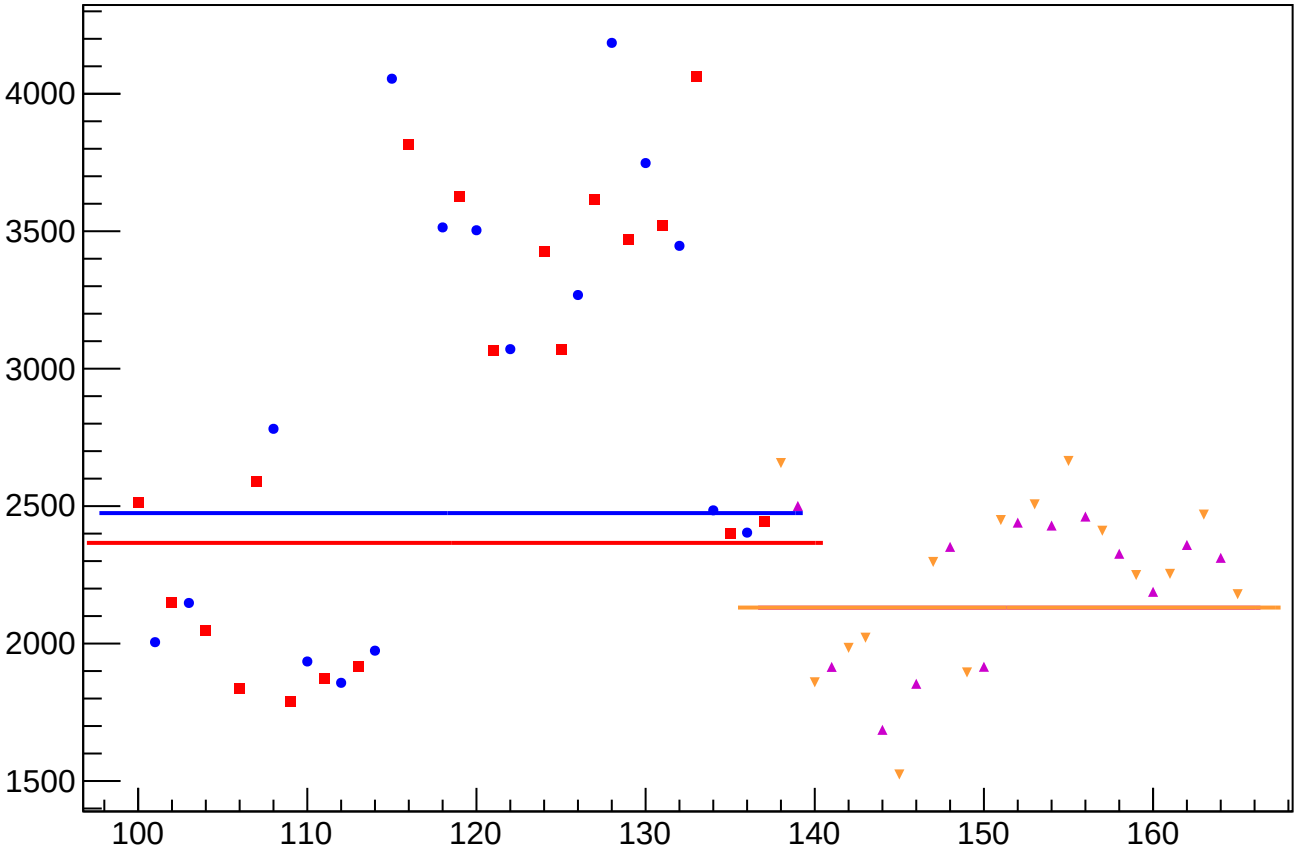
Left In: -863.025+/-651.635 χ^2/NDF:8.0/12

+ sign -2580.514+/-525.545 χ^2/NDF: 49.1/30

All: -1949.519+/-372.493 χ^2/NDF: 75.4/62

- sign -1312.533+/-528.034 χ^2/NDF: 23.4/31

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2130.976+/-0.445 χ^2/NDF:592053.0/14

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

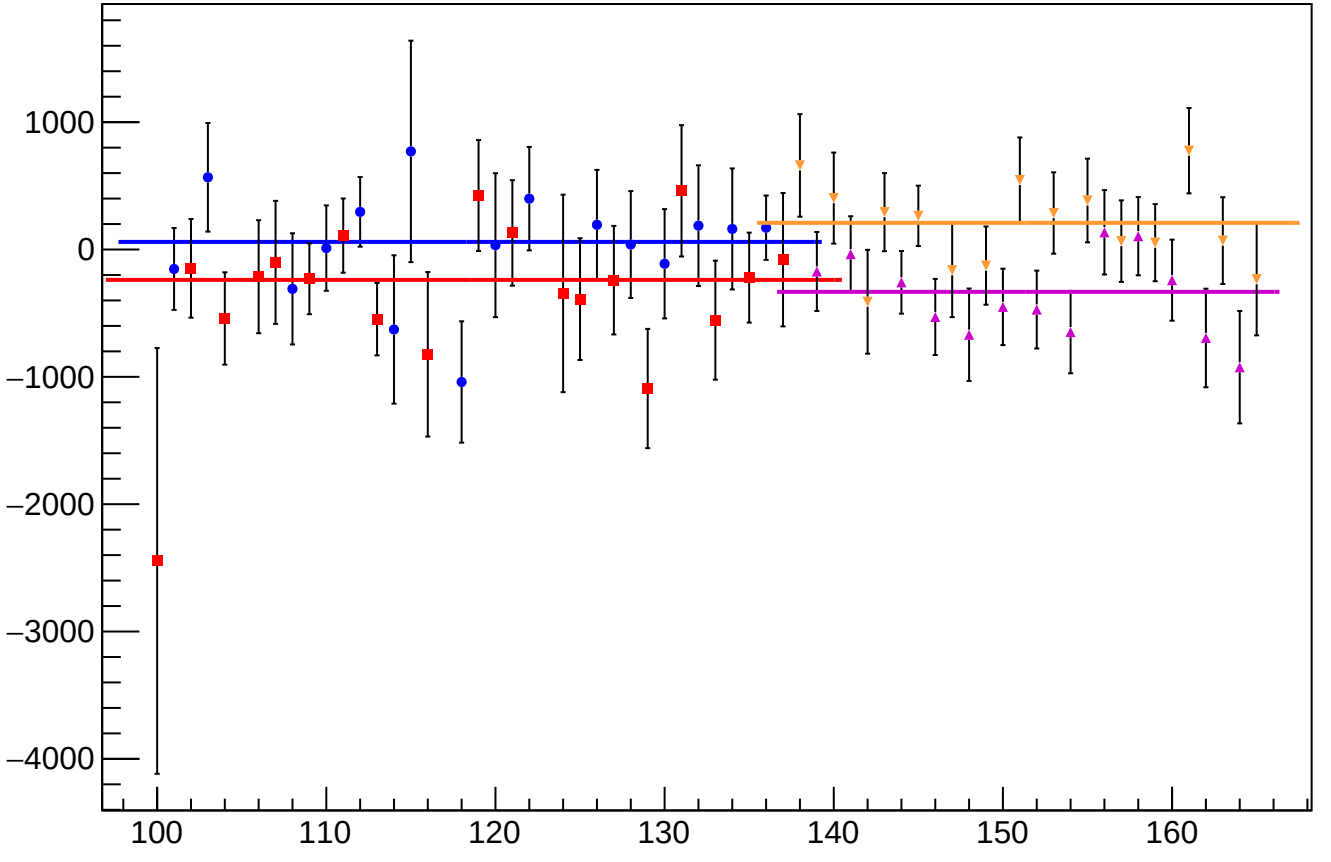
Left In: 2130.480+/-0.461 χ^2/NDF:377701.3/12

+ sign 2235.016+/-0.372 χ^2/NDF: 1688817.1/30

All: 2223.278+/-0.263 χ^2/NDF: 3235579.5/62

- sign 2211.429+/-0.373 χ^2/NDF: 1544757.4/31

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 209.346+/-85.200 χ^2/NDF:12.1/14

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

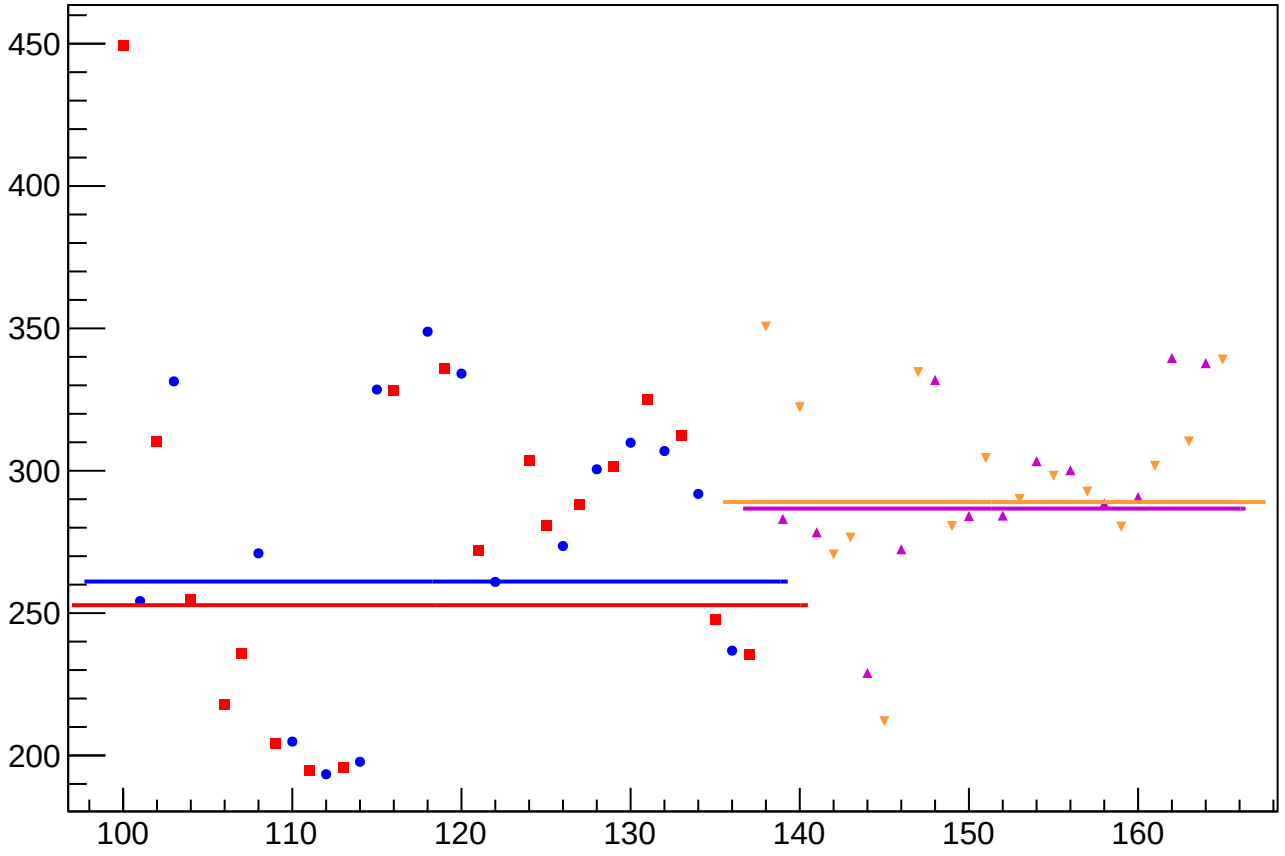
Left In: -332.541+/-87.779 χ^2/NDF:10.7/12

+ sign 145.855+/-64.642 χ^2/NDF: 25.4/30

All: -72.216+/-45.655 χ^2/NDF: 74.3/62

- sign -289.268+/-64.490 χ^2/NDF: 26.2/31

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 289.011+/-0.060 χ^2/NDF:359074.1/14

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

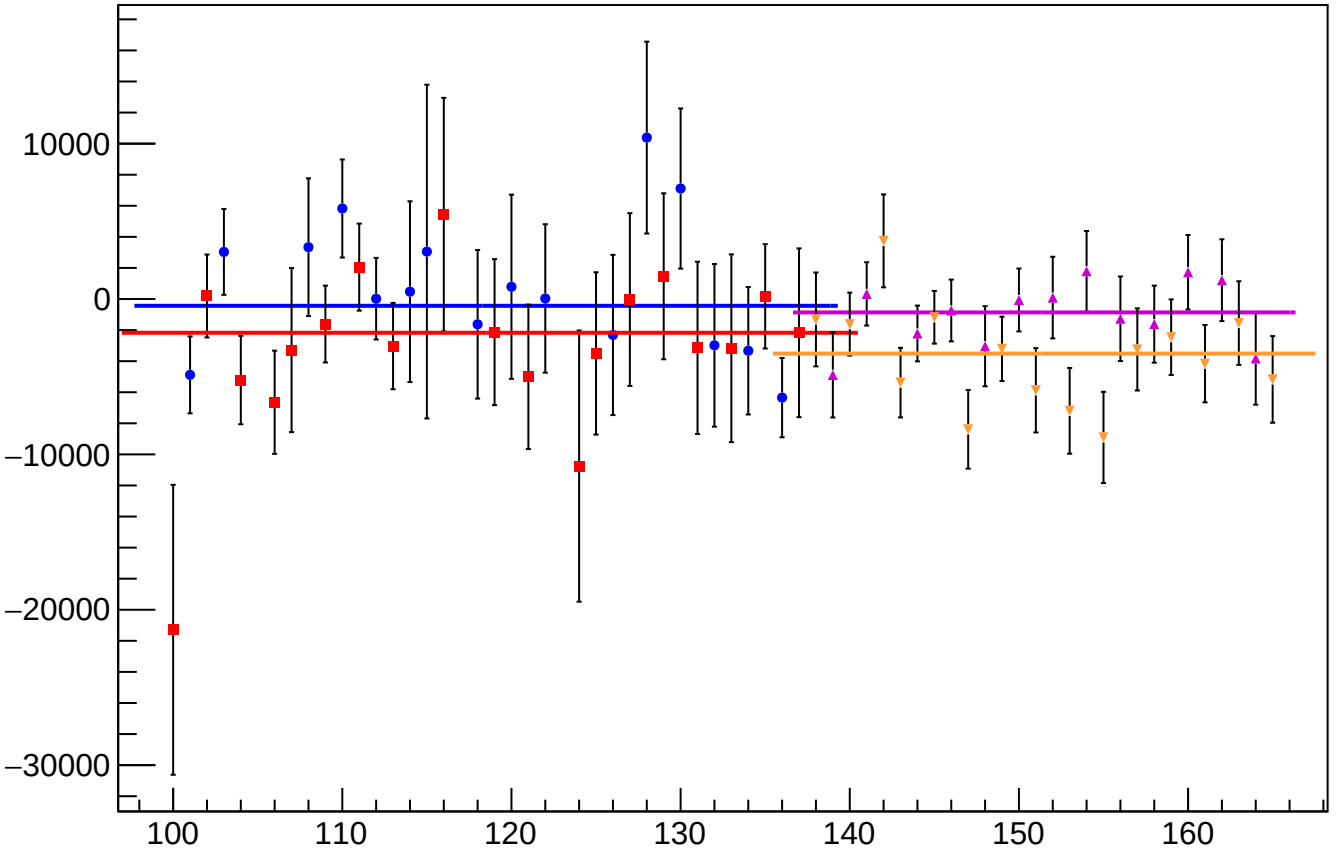
Left In: 286.716+/-0.062 χ^2/NDF:220967.6/12

+ sign 277.162+/-0.046 χ^2/NDF: 912898.1/30

All: 274.124+/-0.032 χ^2/NDF: 1817491.4/62

- sign 271.101+/-0.046 χ^2/NDF: 895781.3/31

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3511.371+/-629.385 χ^2/NDF:20.7/14

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

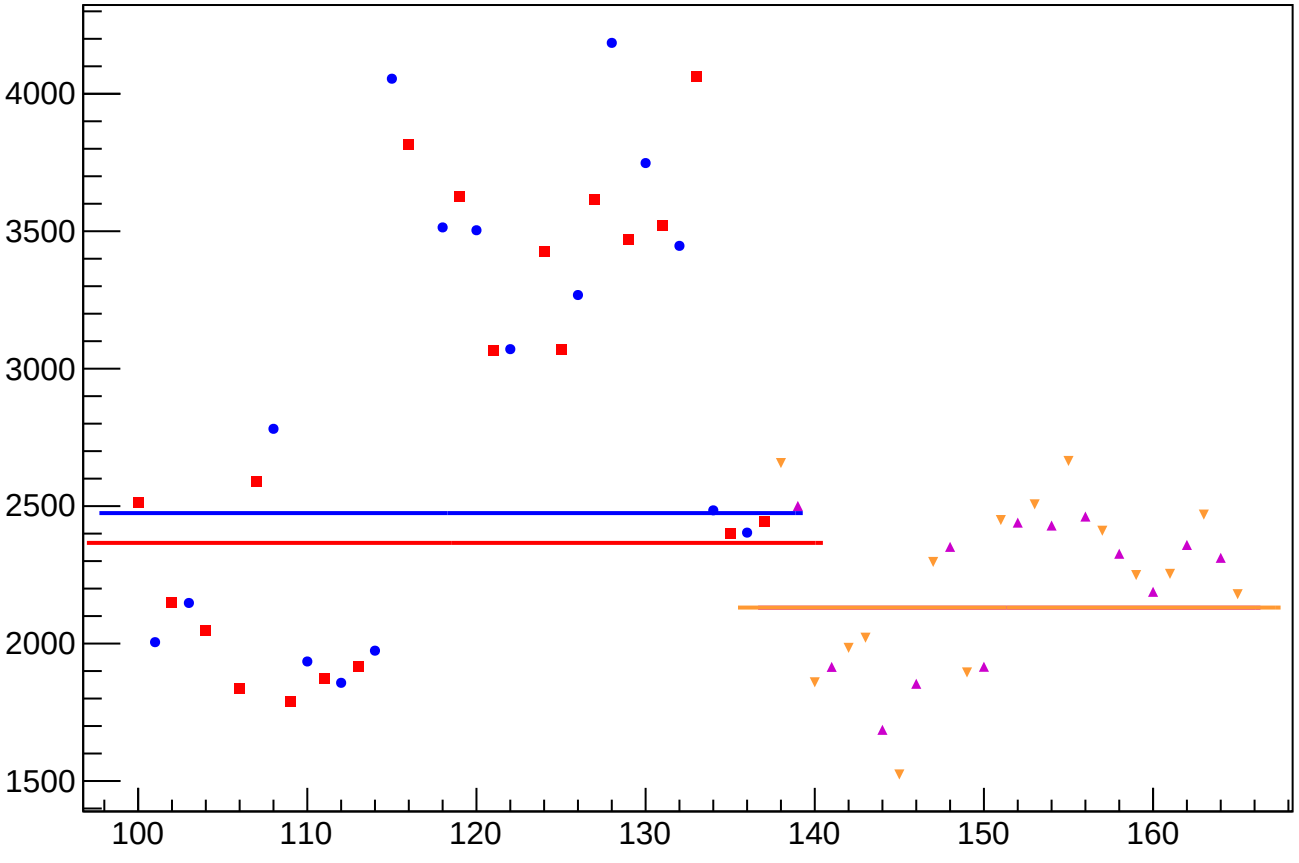
Left In: -863.023+/-651.635 χ^2/NDF:8.0/12

+ sign -2580.510+/-525.544 χ^2/NDF: 49.1/30

All: -1949.516+/-372.493 χ^2/NDF: 75.4/62

- sign -1312.531+/-528.033 χ^2/NDF: 23.4/31

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2130.974+/-0.445 χ^2/NDF:592056.1/14

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

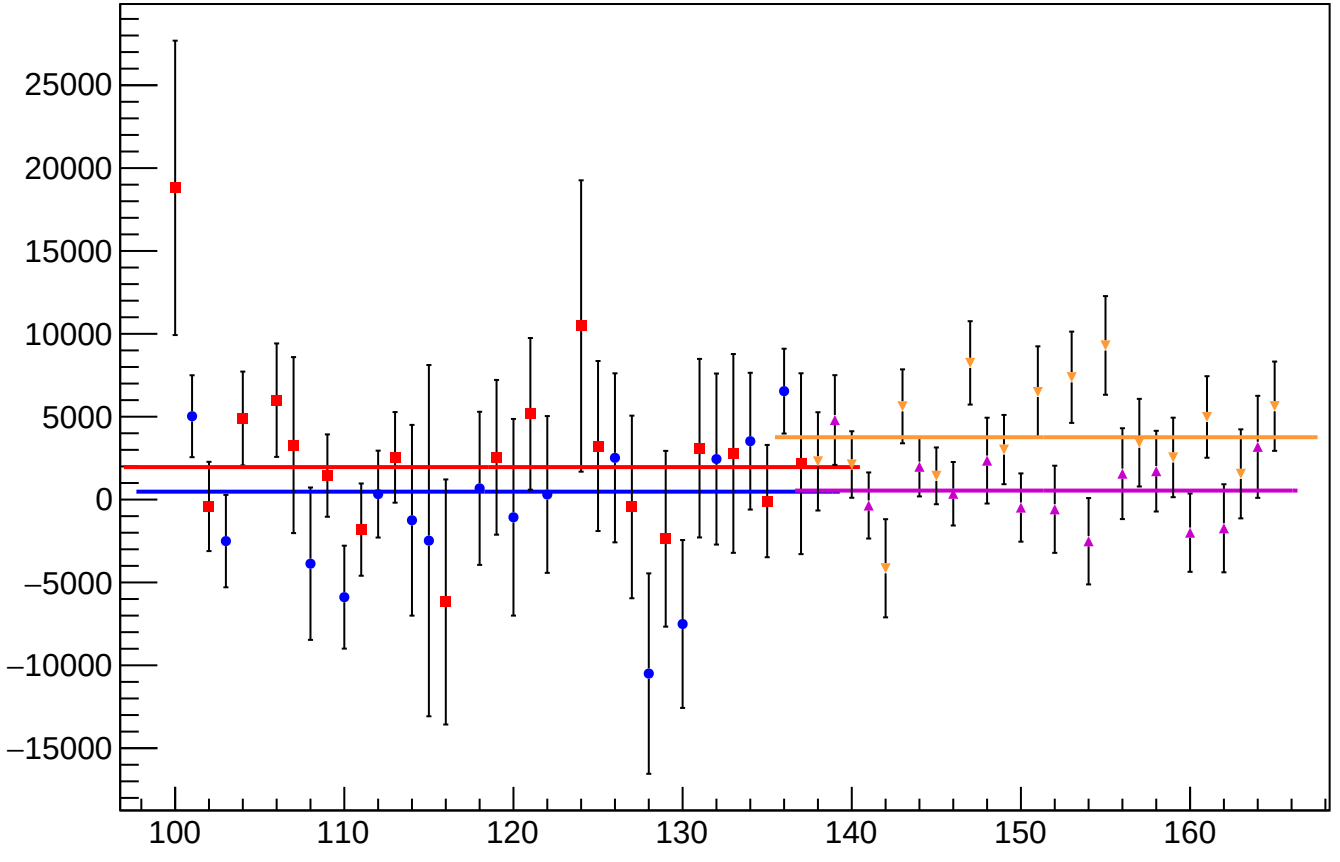
Left In: 2130.479+/-0.461 χ^2/NDF:377699.5/12

+ sign 2235.015+/-0.372 χ^2/NDF: 1688824.3/30

All: 2223.277+/-0.263 χ^2/NDF: 3235586.9/62

- sign 2211.427+/-0.373 χ^2/NDF: 1544757.8/31

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3761.153+/-627.469 χ^2/NDF:21.7/14

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

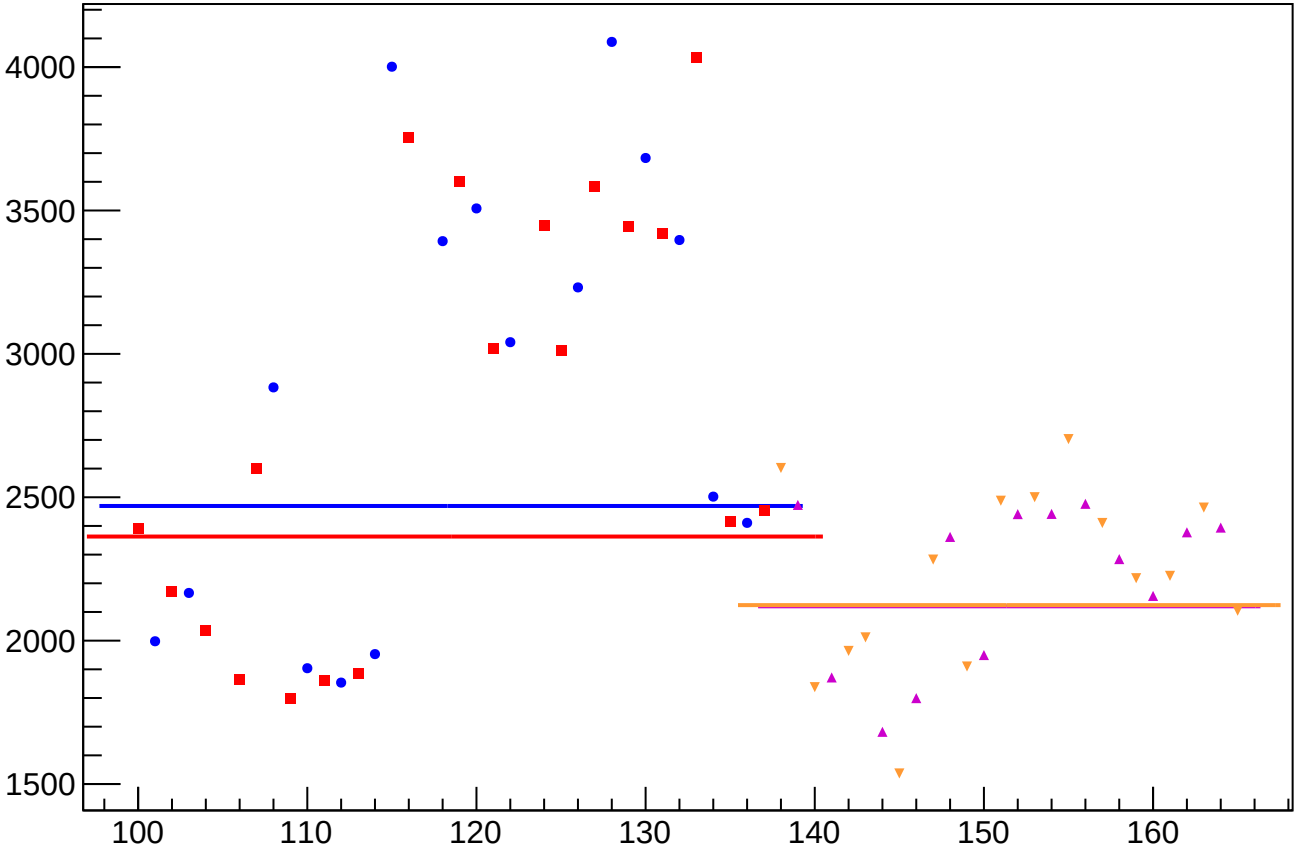
Left In: 543.231+/-648.583 χ^2/NDF:8.6/12

+ sign 2767.713+/-524.032 χ^2/NDF: 52.1/30

All: 1901.098+/-371.285 χ^2/NDF: 80.7/62

- sign 1027.543+/-526.126 χ^2/NDF: 23.1/31

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2123.898+/-0.444 χ^2/NDF:577487.3/14

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

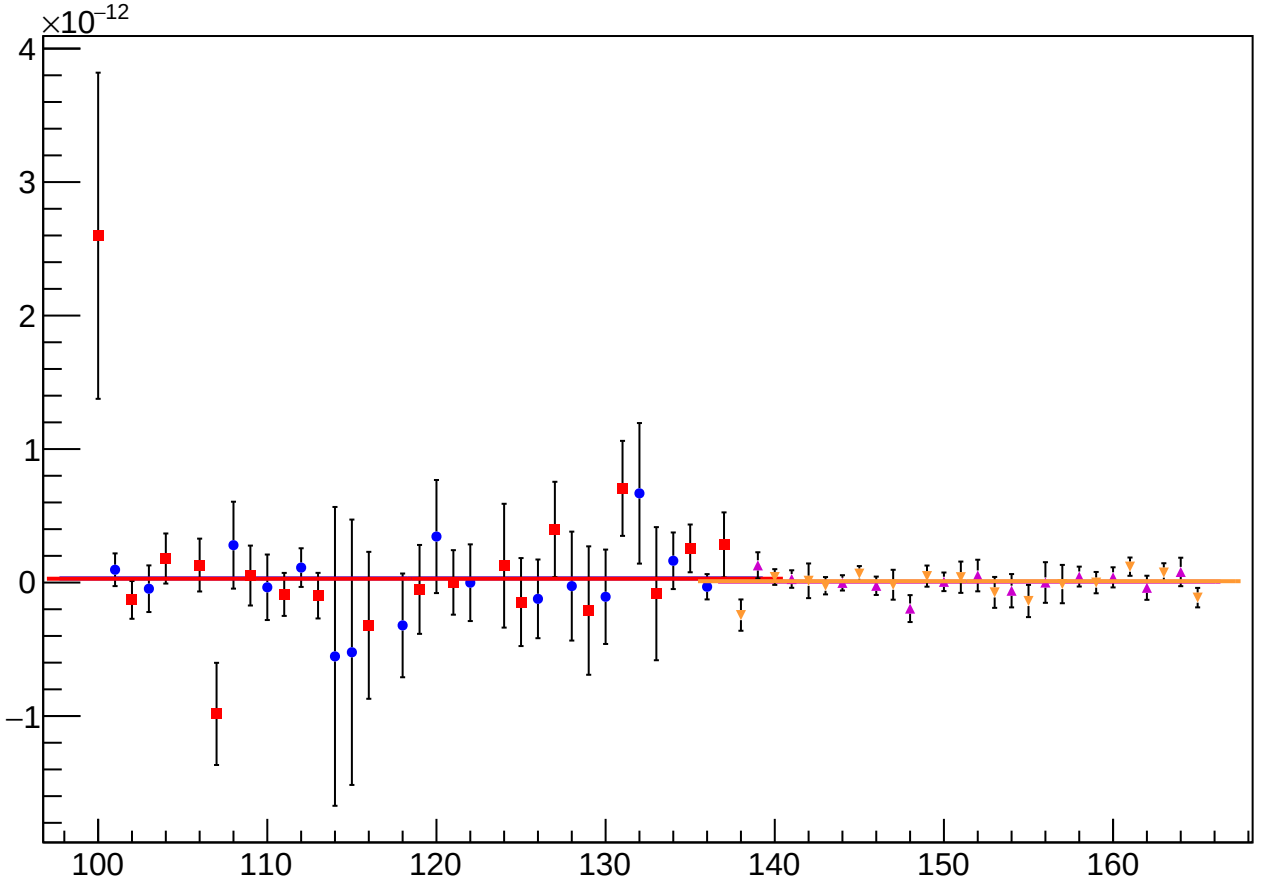
Left In: 2119.731+/-0.459 χ^2/NDF:410225.8/12

+ sign 2228.492+/-0.371 χ^2/NDF: 1647364.1/30

All: 2215.766+/-0.263 χ^2/NDF: 3199561.6/62

- sign 2202.939+/-0.372 χ^2/NDF: 1549829.3/31

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:14.9/14

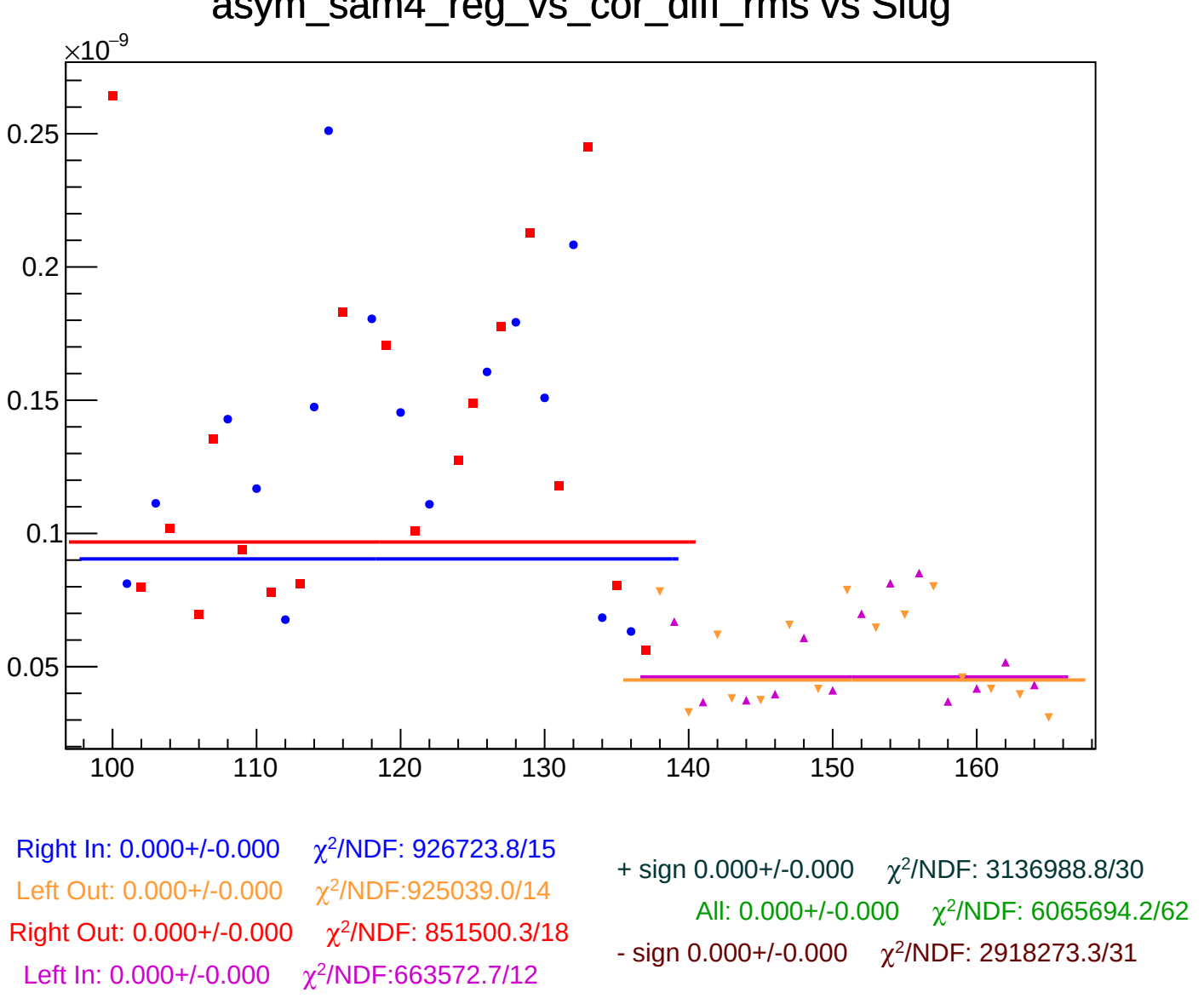
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/12

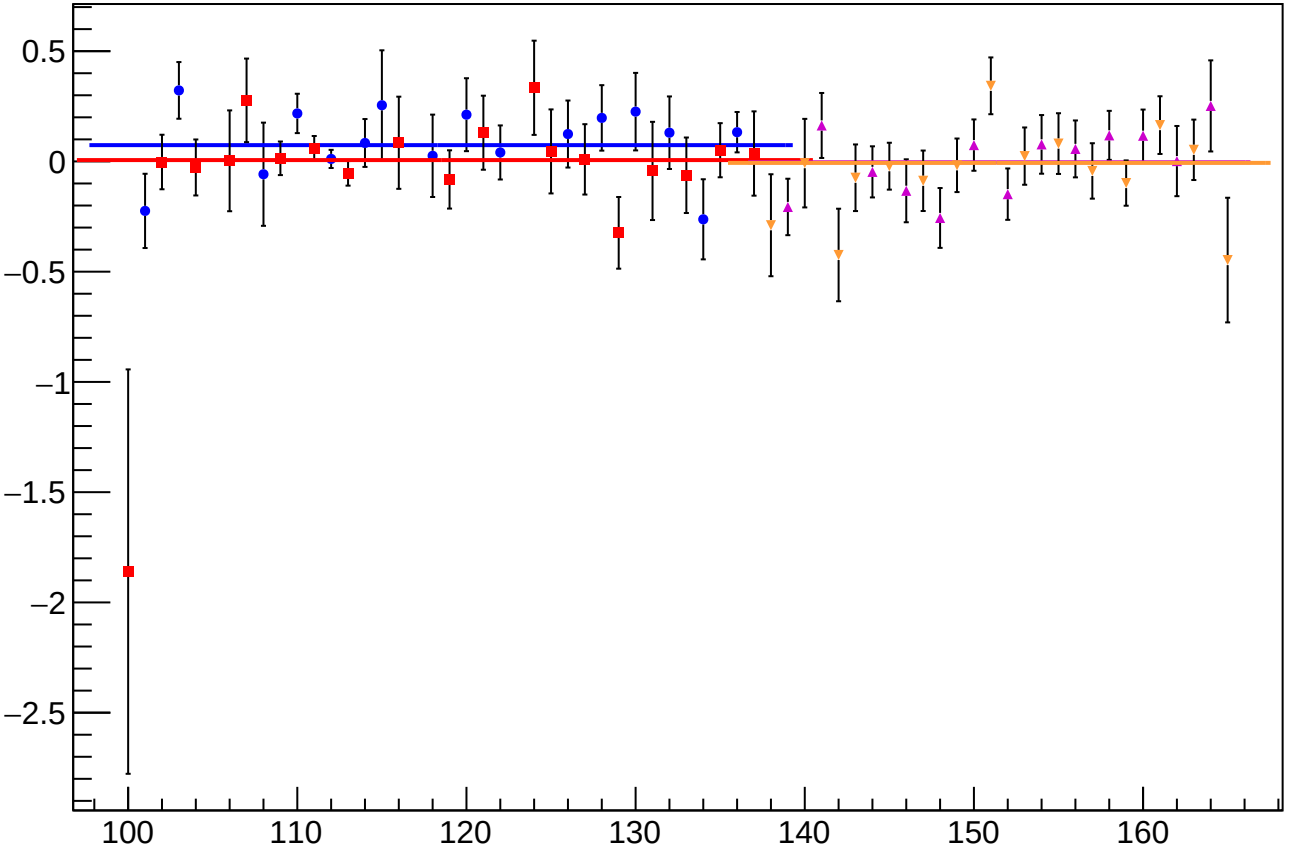
+ sign 0.000+/-0.000 χ^2/NDF: 21.1/30

All: 0.000+/-0.000 χ^2/NDF: 51.9/62

- sign 0.000+/-0.000 χ^2/NDF: 30.8/31


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 926723.8/15
Left Out: 0.000+/-0.000 χ²/NDF:925039.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:663572.7/12
+ sign 0.000+/-0.000 χ²/NDF: 3136988.8/30
All: 0.000+/-0.000 χ²/NDF: 6065694.2/62
- sign 0.000+/-0.000 χ²/NDF: 2918273.3/31

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

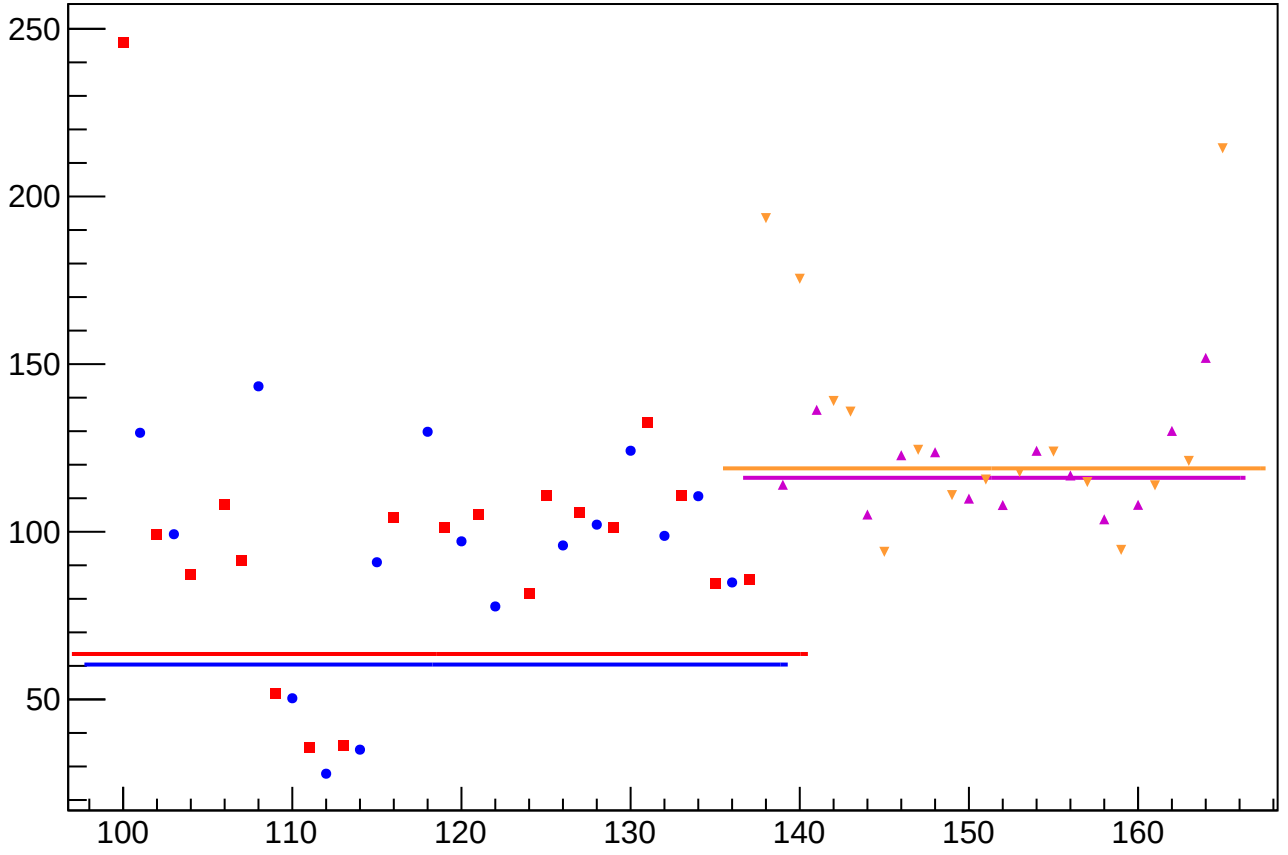
Left In: -0.004+/-0.036 χ^2/NDF:14.6/12

+ sign 0.045+/-0.022 χ^2/NDF: 41.2/30

All: 0.024+/-0.015 χ^2/NDF: 74.2/62

- sign 0.003+/-0.022 χ^2/NDF: 31.0/31

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.912+/-0.025 χ^2/NDF:881800.1/14

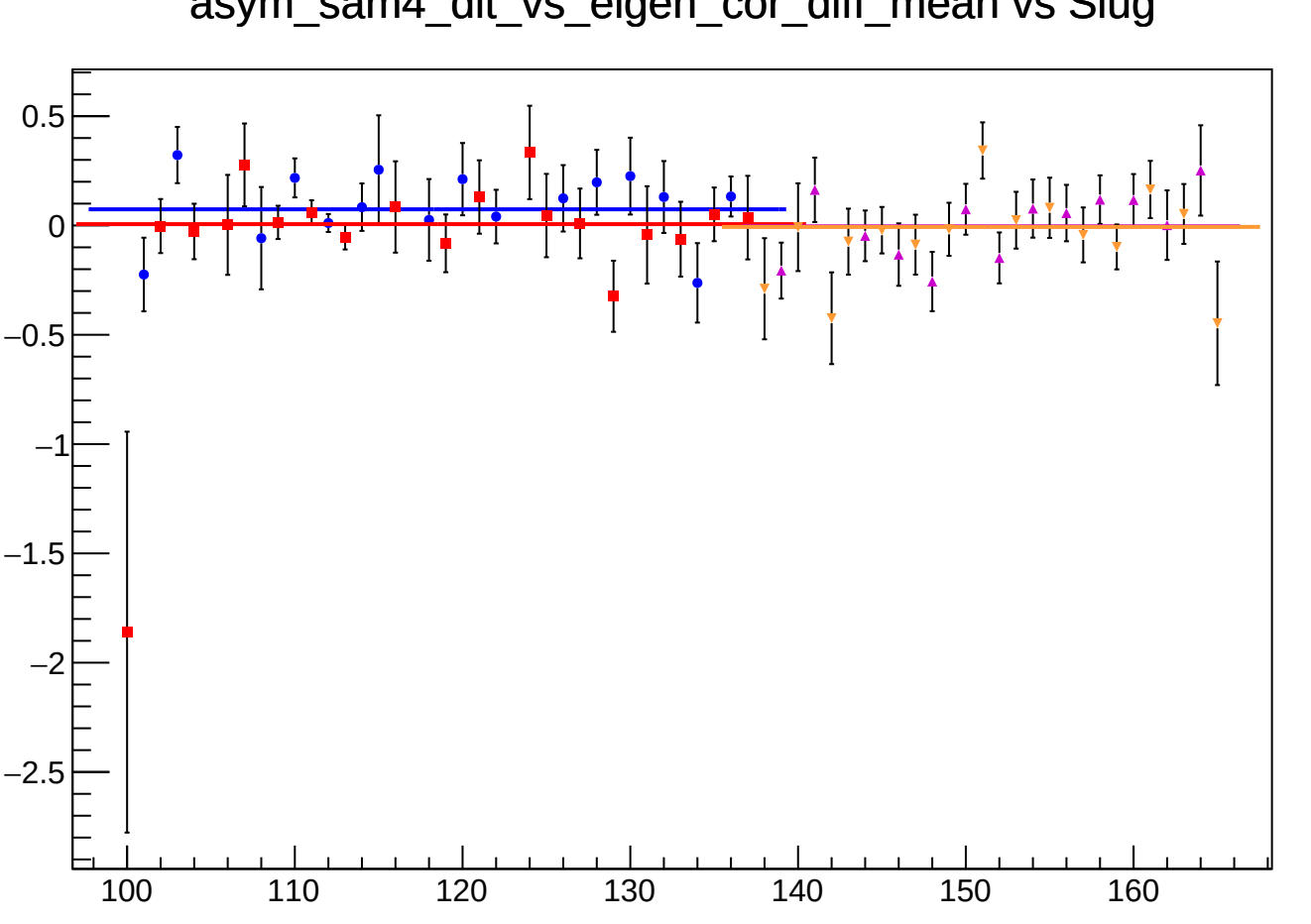
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.097+/-0.026 χ^2/NDF:199152.5/12

\+ sign 81.519+/-0.015 χ^2/NDF: 7806843.8/30

All: 81.856+/-0.011 χ^2/NDF: 13382552.7/62

\- sign 82.193+/-0.015 χ^2/NDF: 5574733.2/31



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

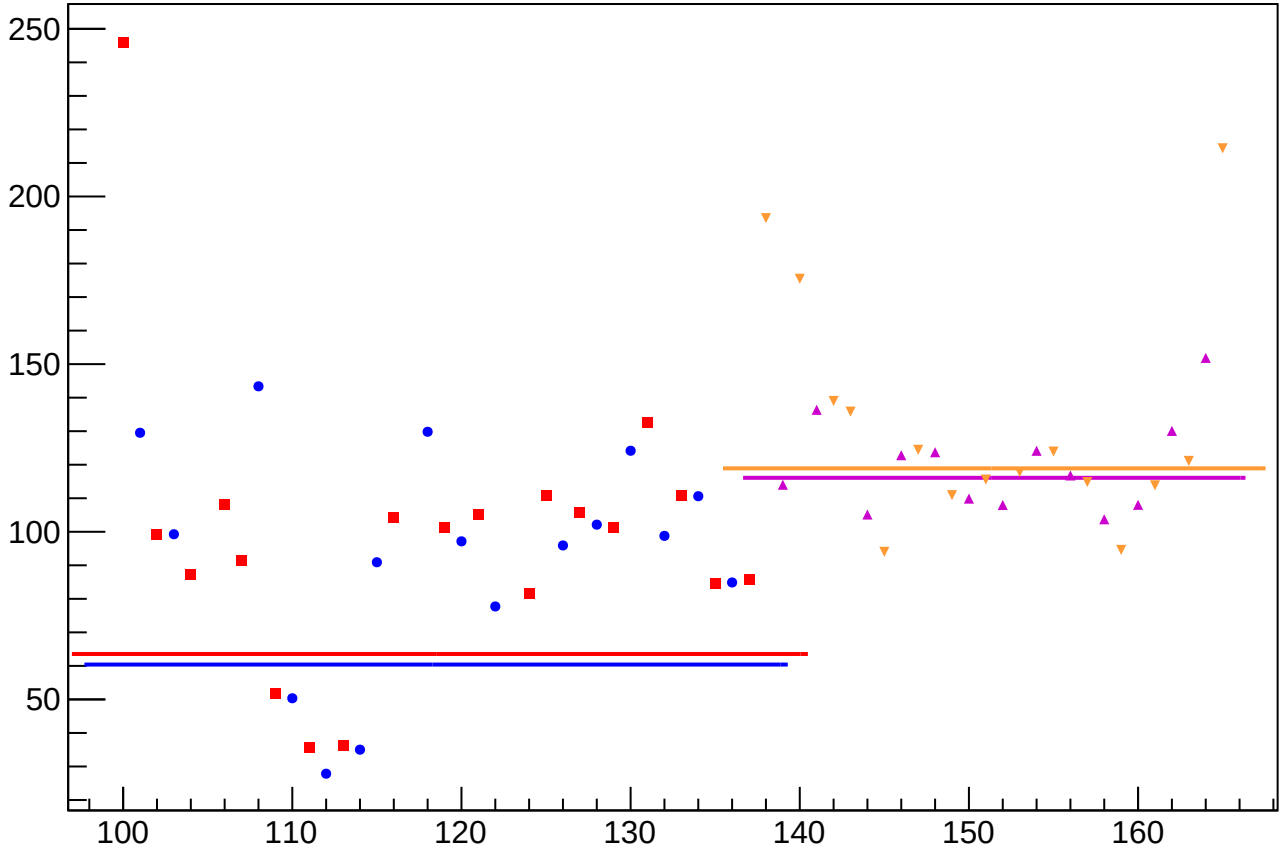
Left In: -0.004+/-0.036 χ^2/NDF:14.6/12

+ sign 0.045+/-0.022 χ^2/NDF: 41.2/30

All: 0.024+/-0.015 χ^2/NDF: 74.2/62

- sign 0.003+/-0.022 χ^2/NDF: 31.0/31

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.912+/-0.025 χ^2/NDF:881800.1/14

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

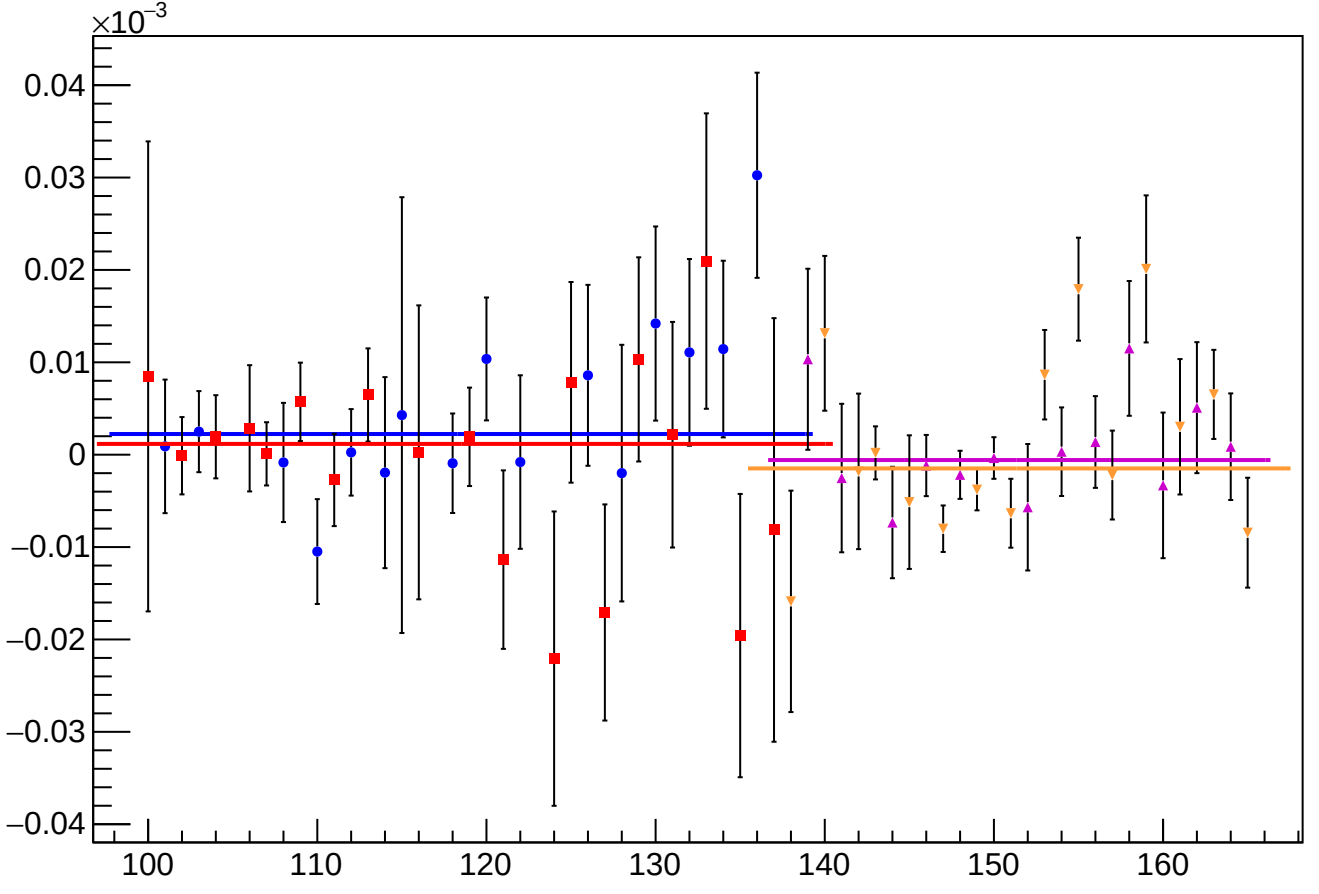
Left In: 116.097+/-0.026 χ^2/NDF:199152.5/12

\+ sign 81.519+/-0.015 χ^2/NDF: 7806843.8/30

All: 81.856+/-0.011 χ^2/NDF: 13382552.7/62

\- sign 82.193+/-0.015 χ^2/NDF: 5574733.2/31

asym_sam4_eigen_dit_vs_dit_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:42.9/14

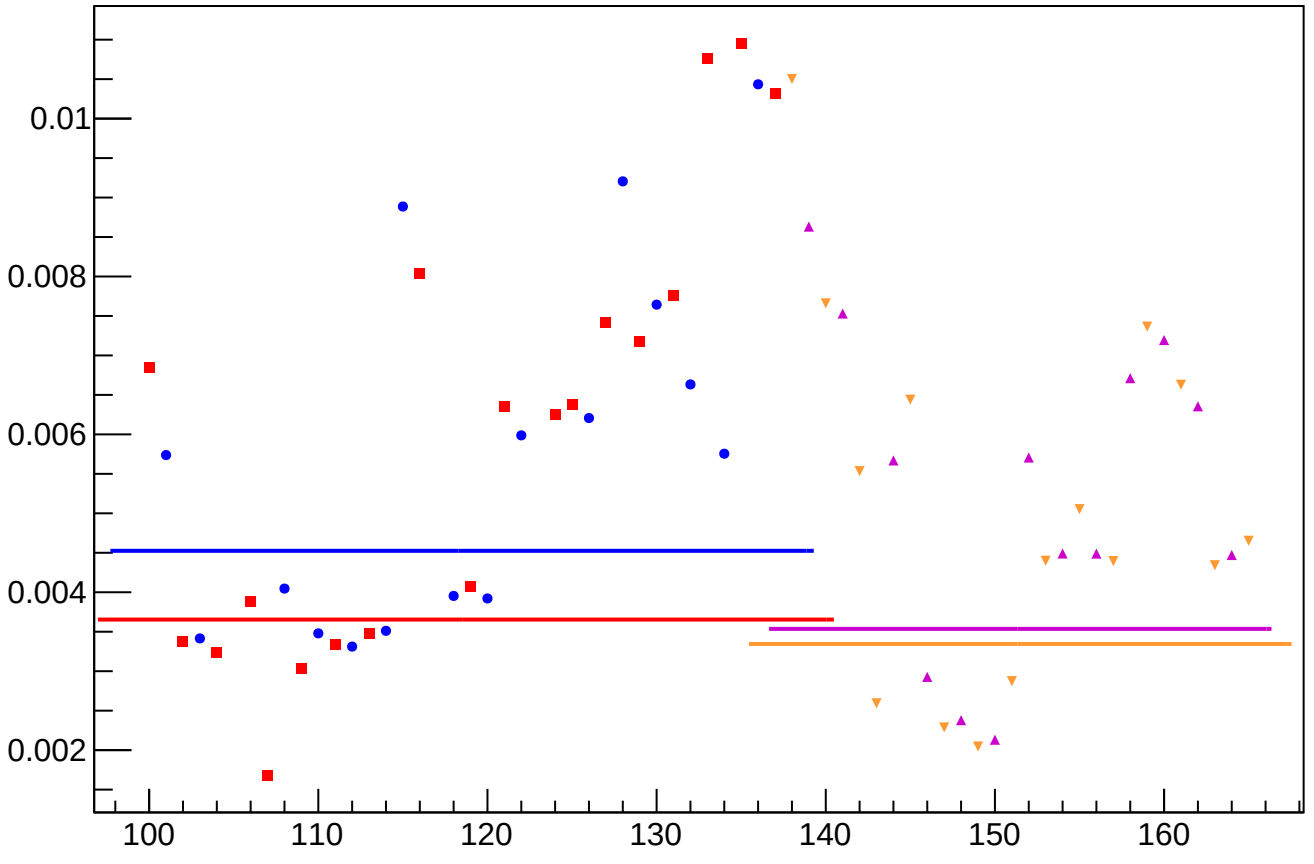
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/12

+ sign -0.000+/-0.000 χ^2/NDF: 63.5/30

All: -0.000+/-0.000 χ^2/NDF: 85.9/62

- sign 0.000+/-0.000 χ^2/NDF: 22.2/31



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:4411258.5/14

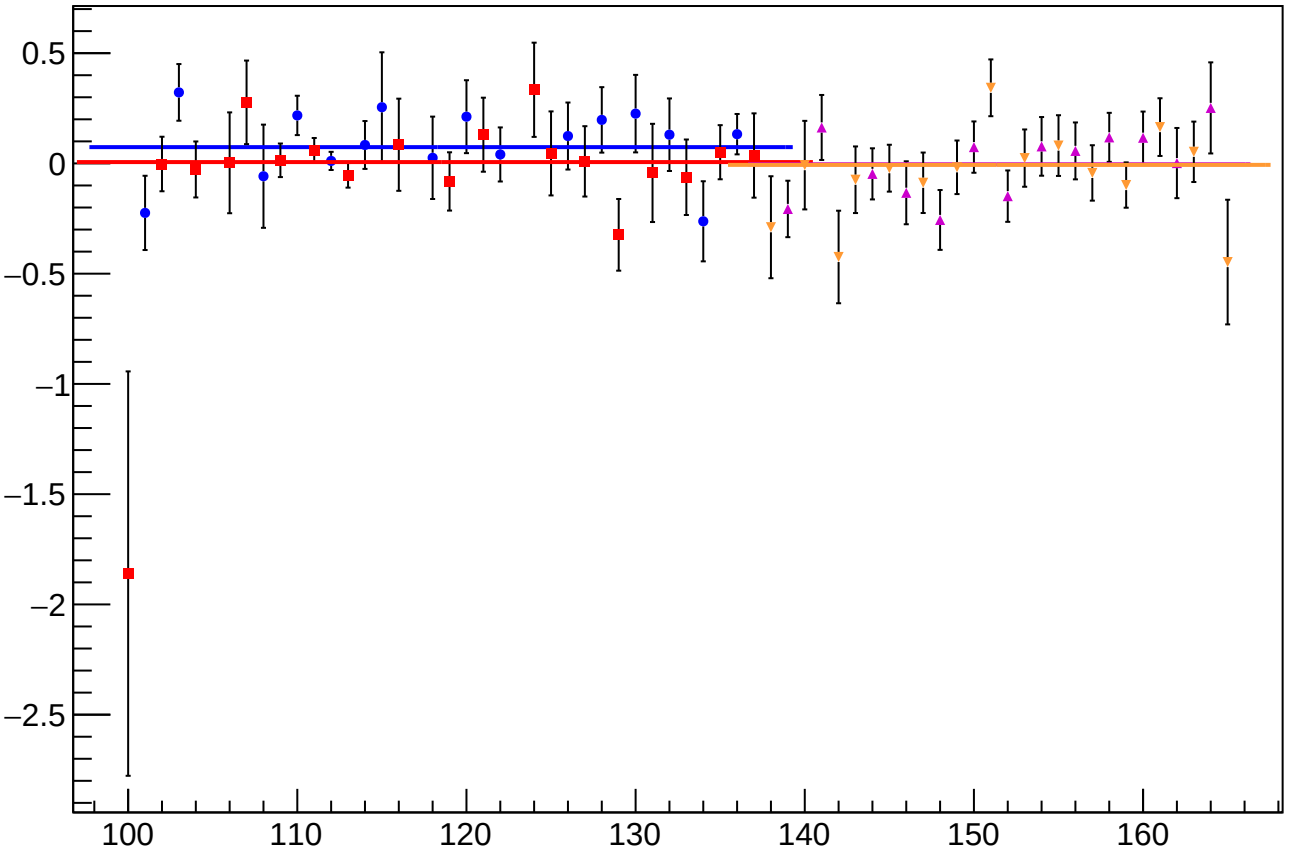
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:4058593.9/12

+ sign 0.004+/-0.000 χ^2/NDF: 6753037.6/30

All: 0.004+/-0.000 χ^2/NDF: 13759518.2/62

- sign 0.004+/-0.000 χ^2/NDF: 6999325.6/31



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

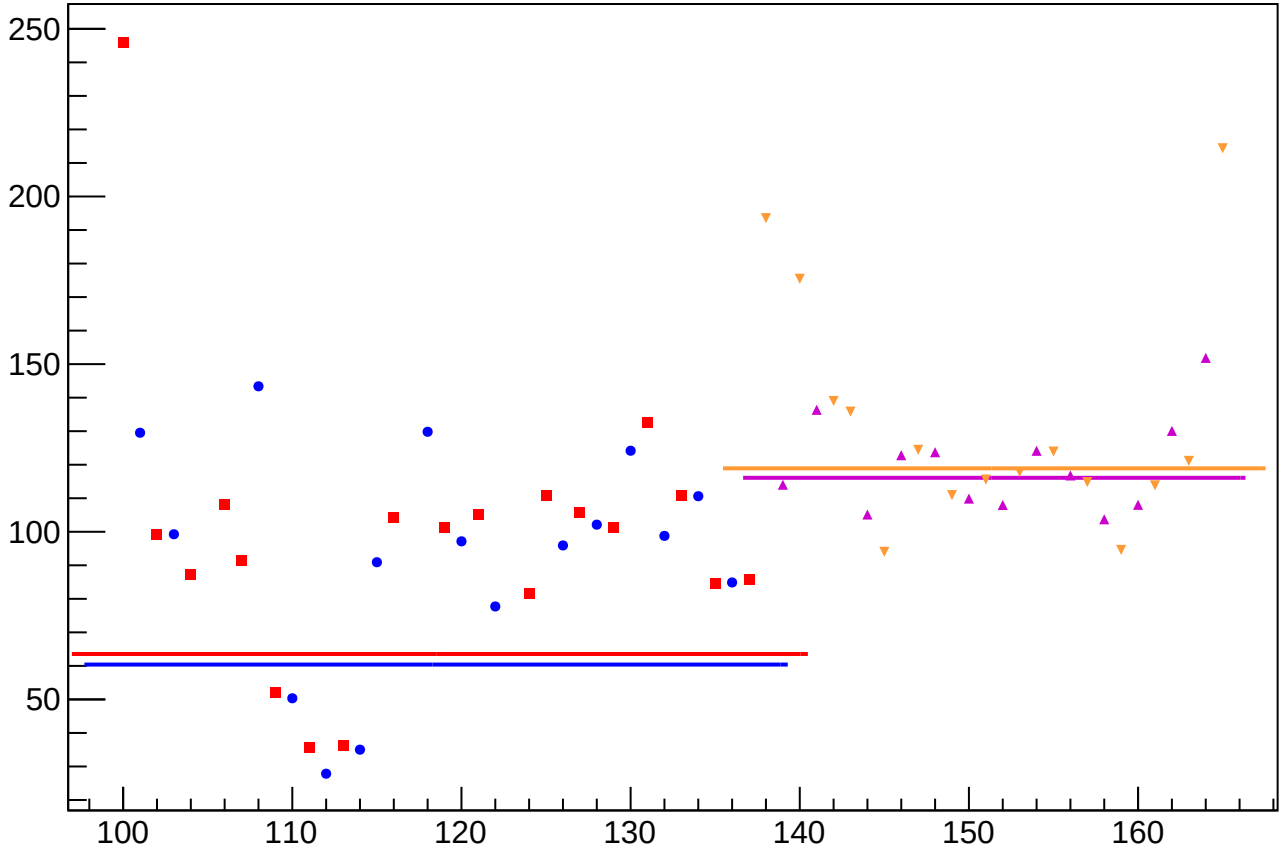
Left In: -0.004+/-0.036 χ^2/NDF:14.6/12

+ sign 0.045+/-0.022 χ^2/NDF: 41.2/30

All: 0.024+/-0.015 χ^2/NDF: 74.2/62

- sign 0.003+/-0.022 χ^2/NDF: 31.0/31

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.913+/-0.025 χ^2/NDF:881772.3/14

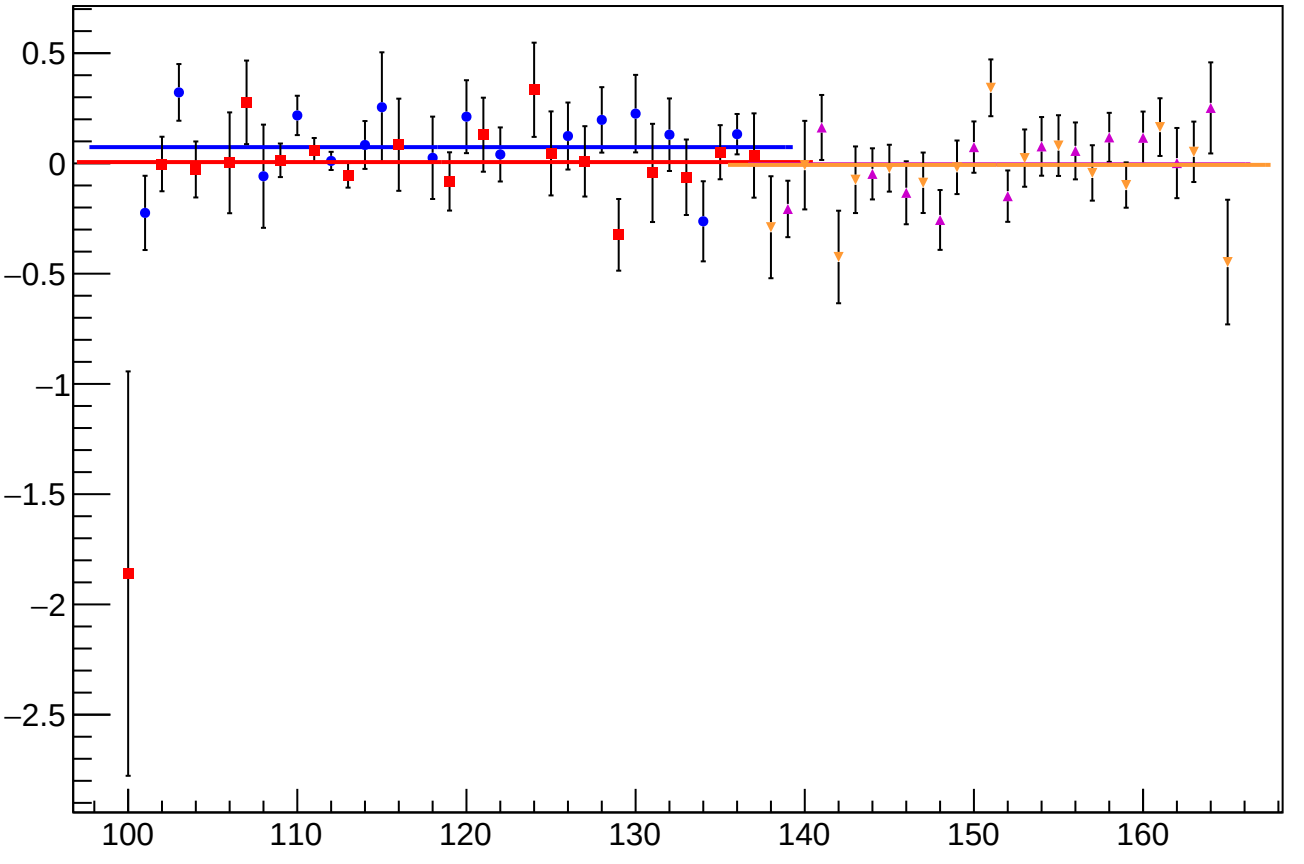
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.098+/-0.026 χ^2/NDF:199152.3/12

\+ sign 81.517+/-0.015 χ^2/NDF: 7807479.2/30

All: 81.855+/-0.011 χ^2/NDF: 13383776.2/62

\- sign 82.191+/-0.015 χ^2/NDF: 5575320.3/31



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.007+/-0.036 χ^2/NDF:19.1/14

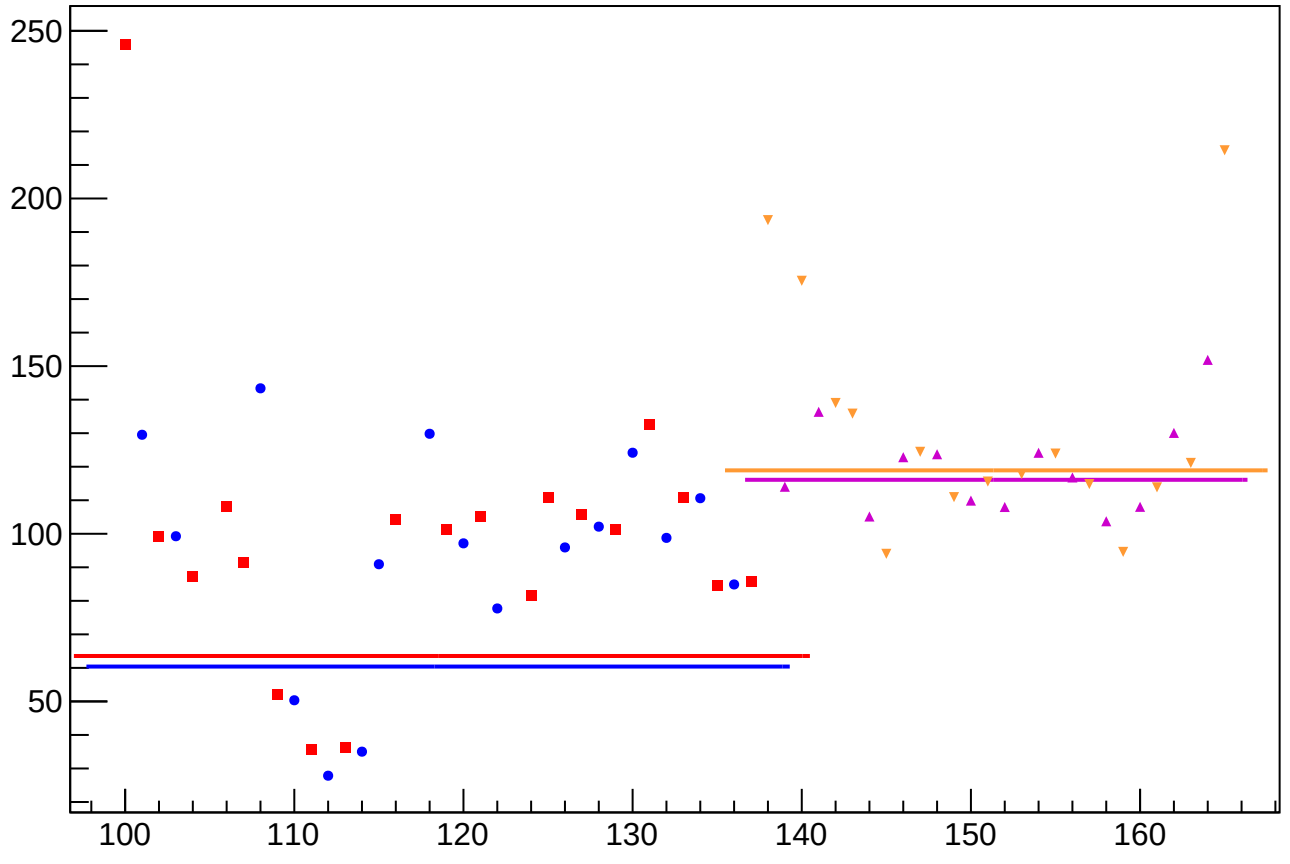
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.004+/-0.036 χ^2/NDF:14.6/12

+ sign 0.045+/-0.022 χ^2/NDF: 41.2/30

All: 0.024+/-0.015 χ^2/NDF: 74.2/62

- sign 0.003+/-0.022 χ^2/NDF: 31.0/31



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.913+/-0.025 χ^2/NDF:881772.3/14

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

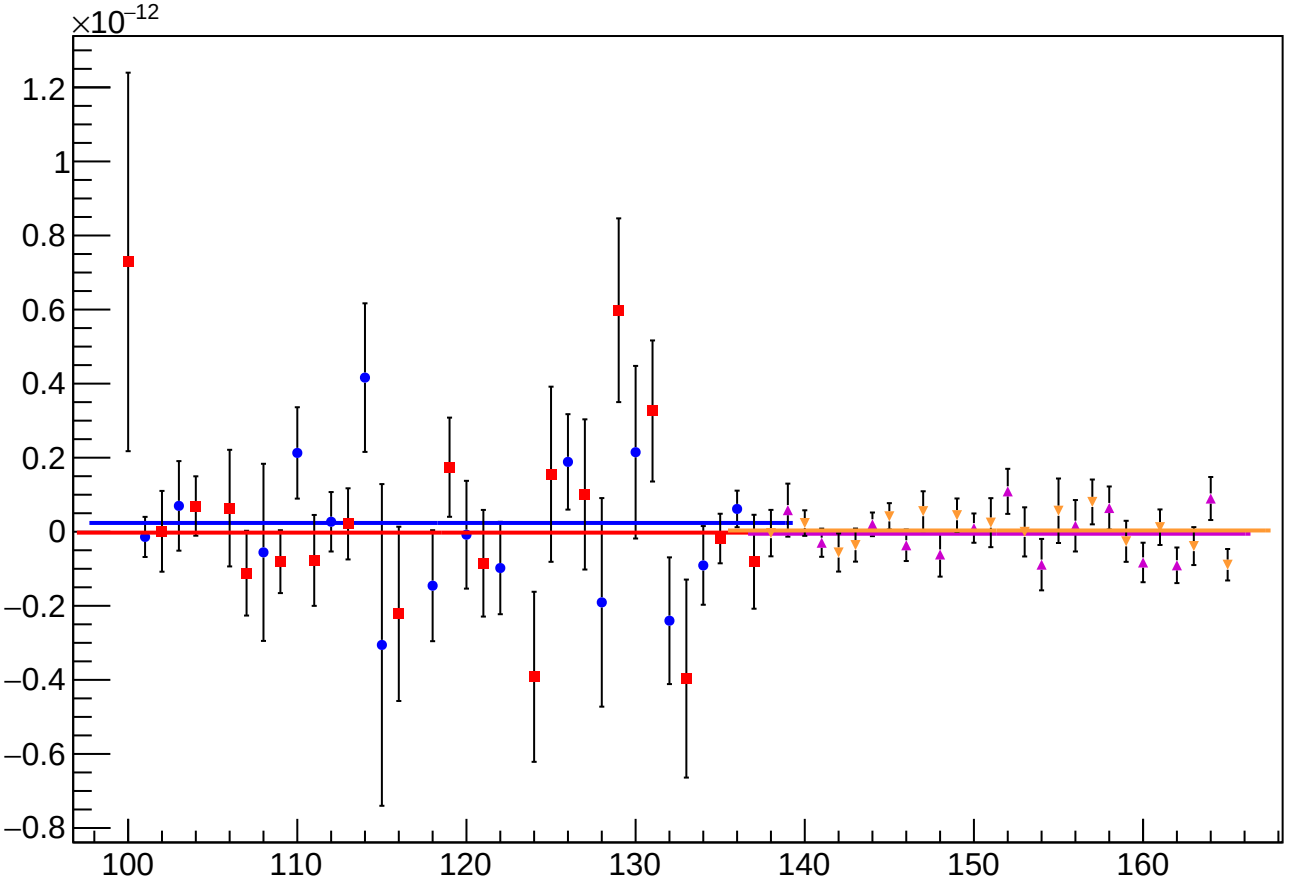
Left In: 116.098+/-0.026 χ^2/NDF:199152.3/12

+ sign 81.517+/-0.015 χ^2/NDF: 7807479.2/30

All: 81.855+/-0.011 χ^2/NDF: 13383776.2/62

- sign 82.191+/-0.015 χ^2/NDF: 5575320.3/31

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/14

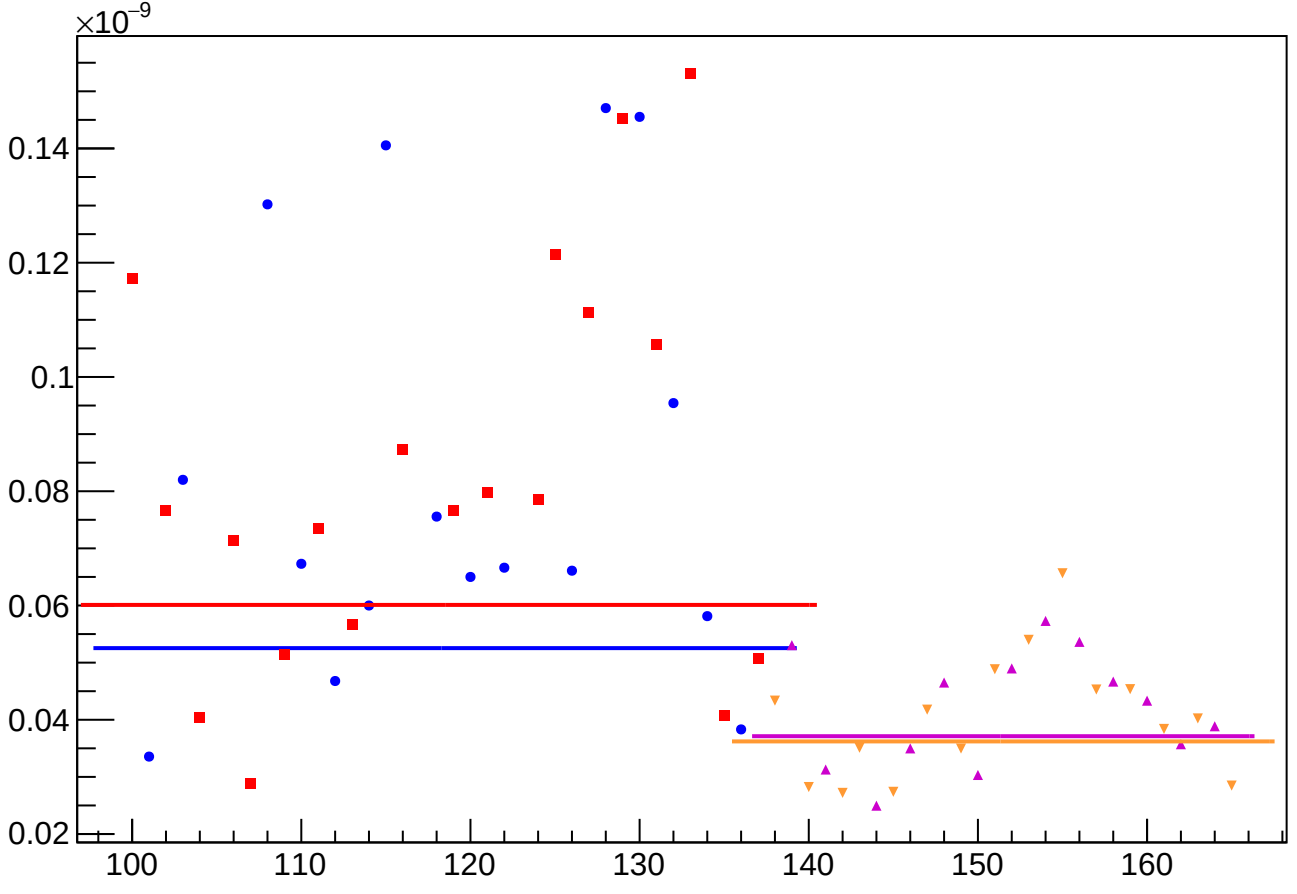
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/30

All: 0.000+/-0.000 χ^2/NDF: 72.0/62

- sign -0.000+/-0.000 χ^2/NDF: 41.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:967560.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

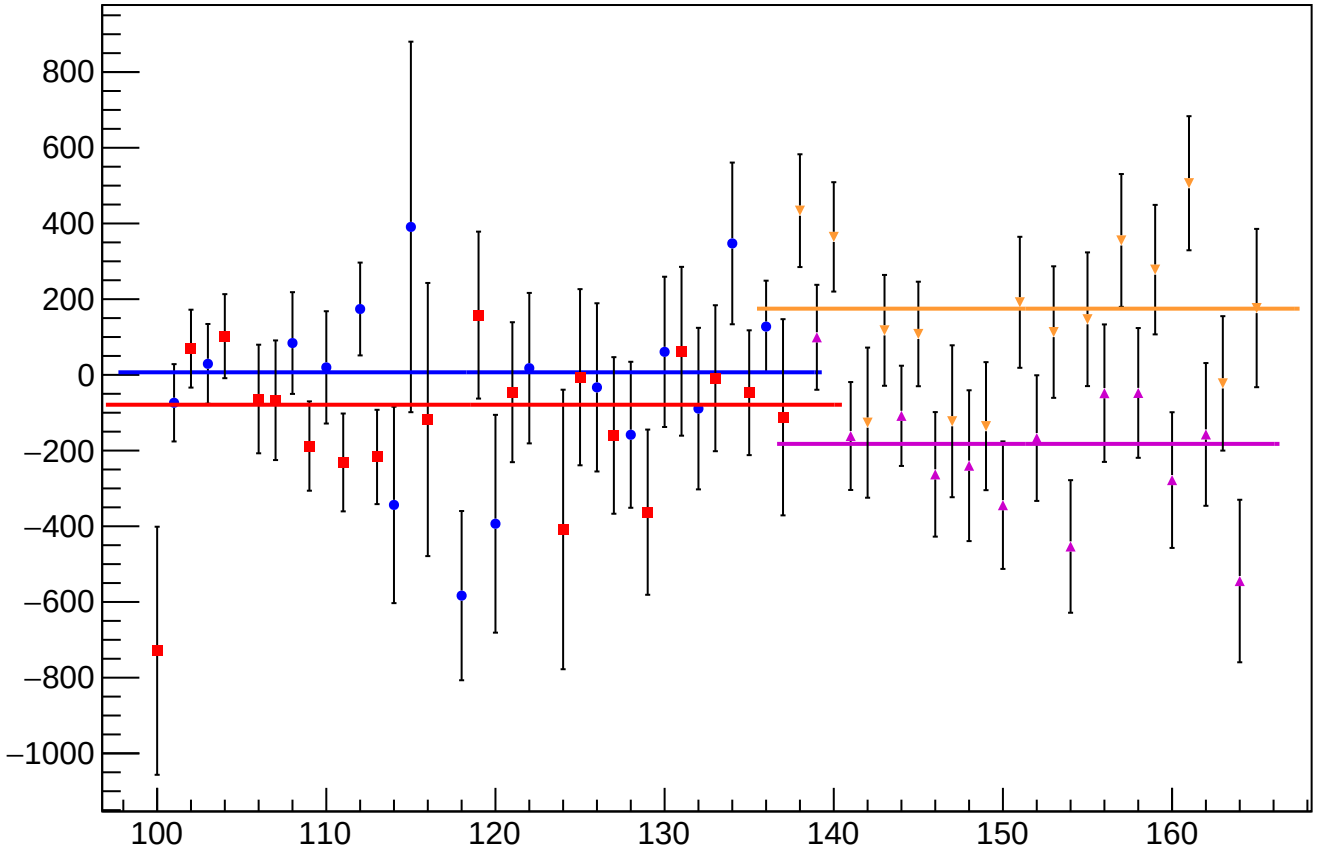
Left In: 0.000+/-0.000 χ^2/NDF:992135.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3244957.7/30

All: 0.000+/-0.000 χ^2/NDF: 6840171.6/62

- sign 0.000+/-0.000 χ^2/NDF: 3568029.9/31

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.932+/-43.485 χ^2/NDF:19.3/14

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

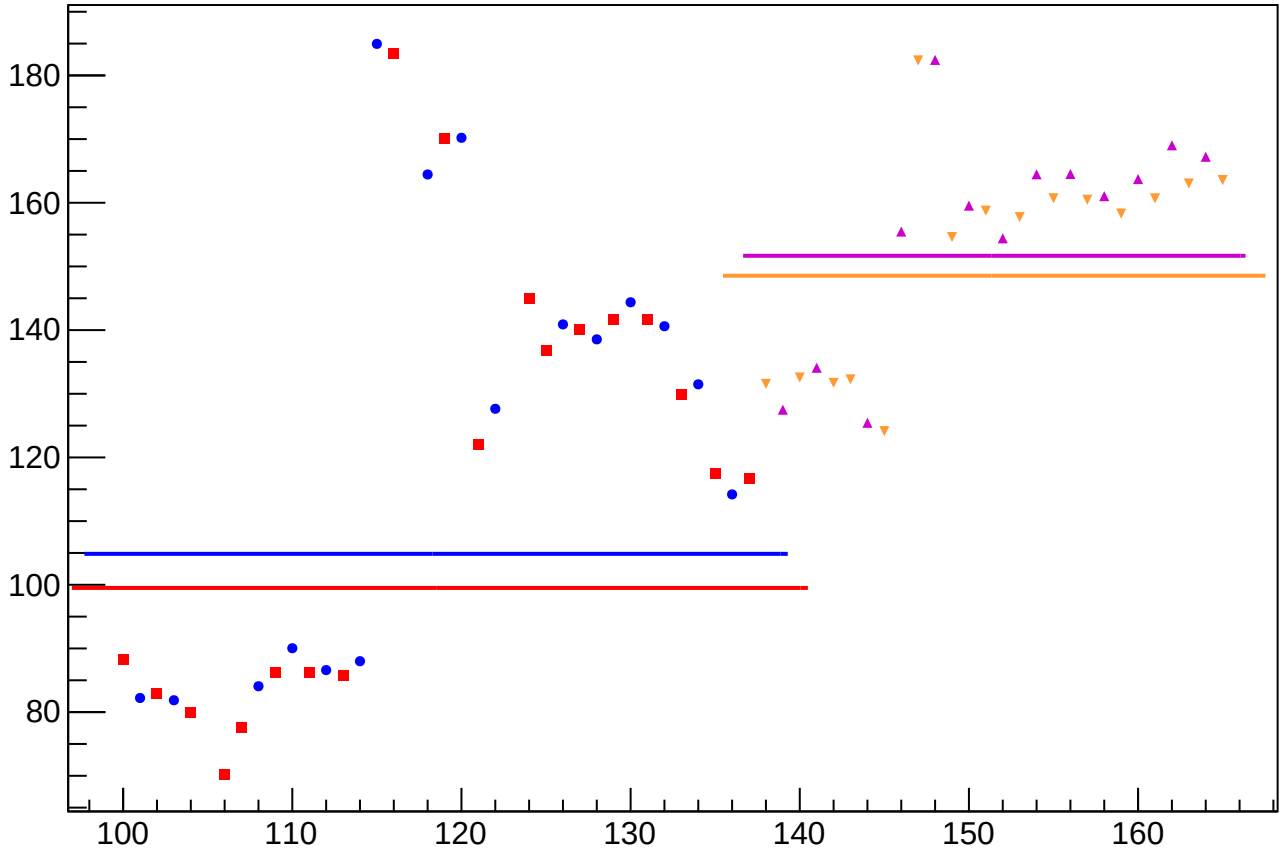
Left In: -182.327+/-46.137 χ^2/NDF:12.4/12

+ sign 84.600+/-29.579 χ^2/NDF: 46.1/30

All: -18.998+/-20.812 χ^2/NDF: 102.5/62

- sign -120.570+/-29.288 χ^2/NDF: 32.1/31

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 148.541+/-0.031 χ^2/NDF:282330.5/14

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

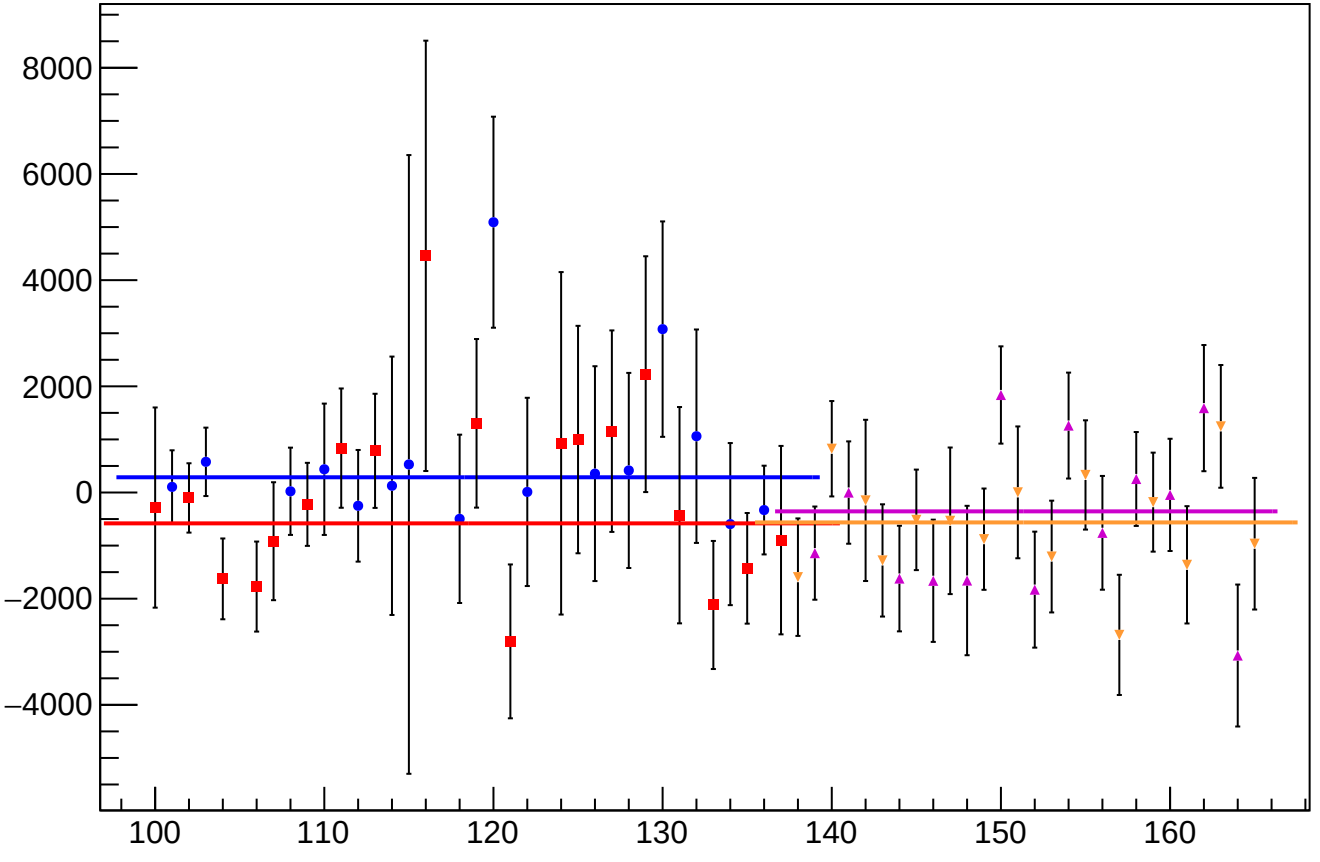
Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

+ sign 125.071+/-0.021 χ^2/NDF: 2297883.0/30

All: 122.778+/-0.015 χ^2/NDF: 5173731.2/62

- sign 120.531+/-0.021 χ^2/NDF: 2852054.2/31

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -563.631+/-279.868 χ^2/NDF:12.0/14

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

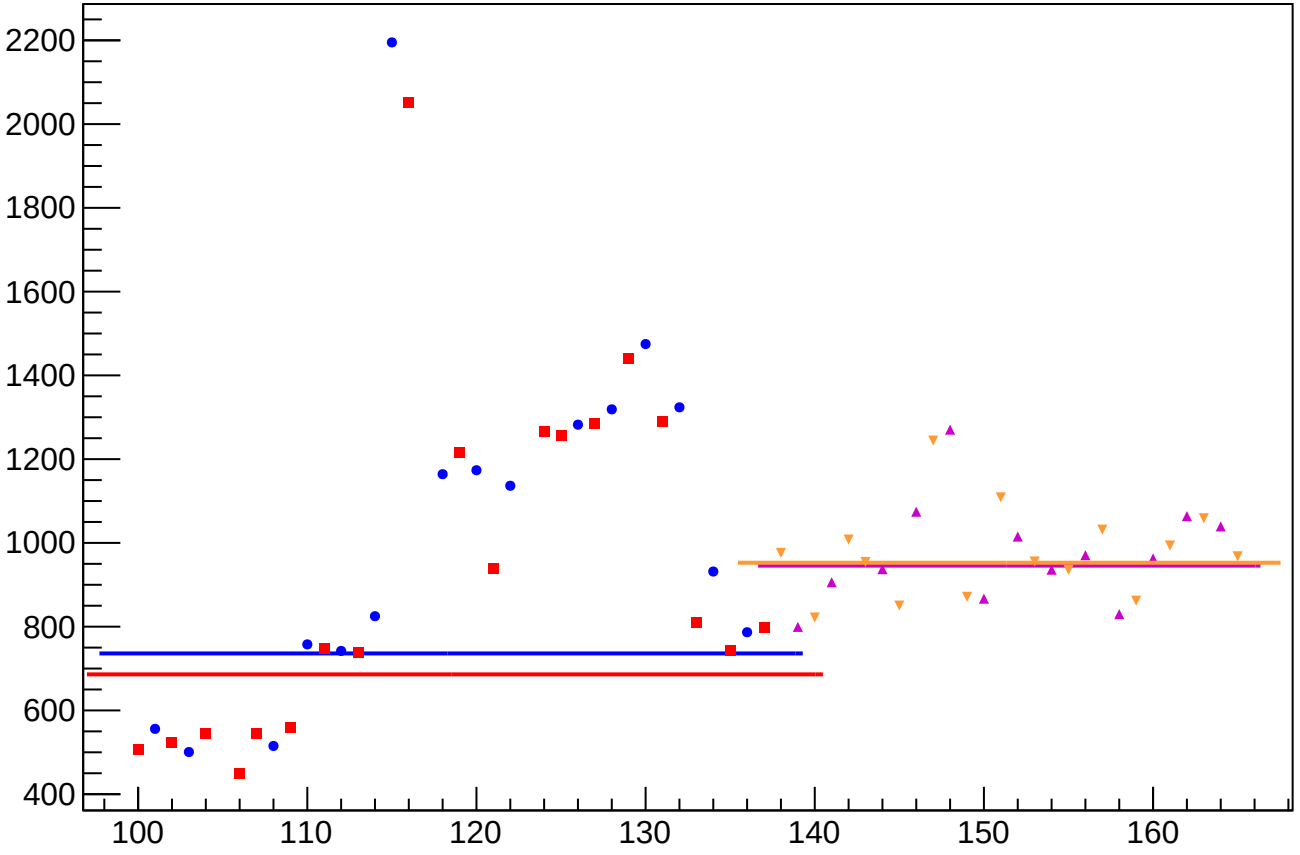
Left In: -355.164+/-288.801 χ^2/NDF:22.4/12

+ sign -158.530+/-202.536 χ^2/NDF: 26.1/30

All: -321.487+/-141.269 χ^2/NDF: 68.8/62

- sign -475.881+/-197.143 χ^2/NDF: 41.5/31

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 952.661+/-0.198 χ^2/NDF:253767.0/14

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

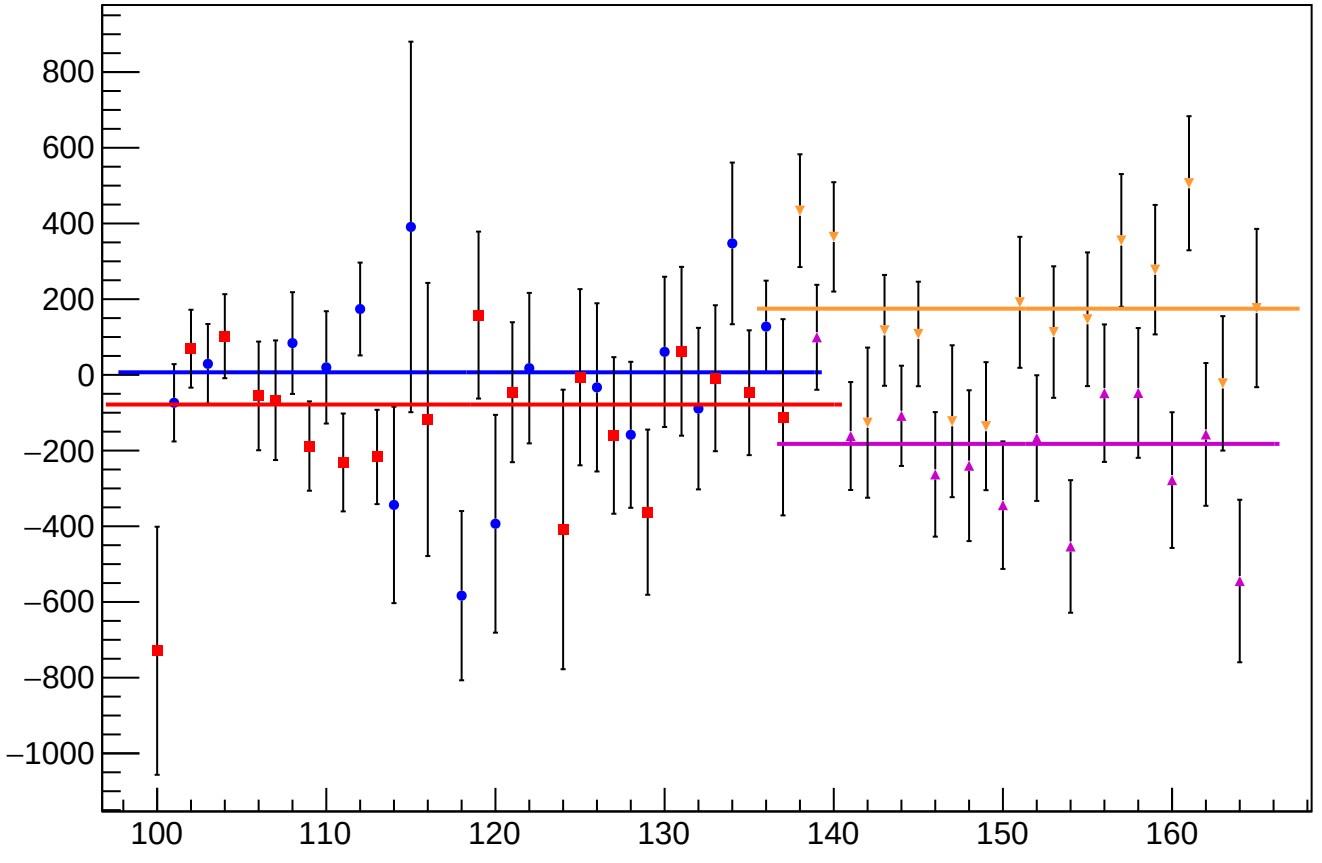
Left In: 945.750+/-0.204 χ^2/NDF:279113.3/12

+ sign 849.509+/-0.143 χ^2/NDF: 2668707.8/30

All: 827.730+/-0.100 χ^2/NDF: 5675292.3/62

- sign 807.095+/-0.139 χ^2/NDF: 2961547.8/31

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.930+/-43.485 χ^2/NDF:19.3/14

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

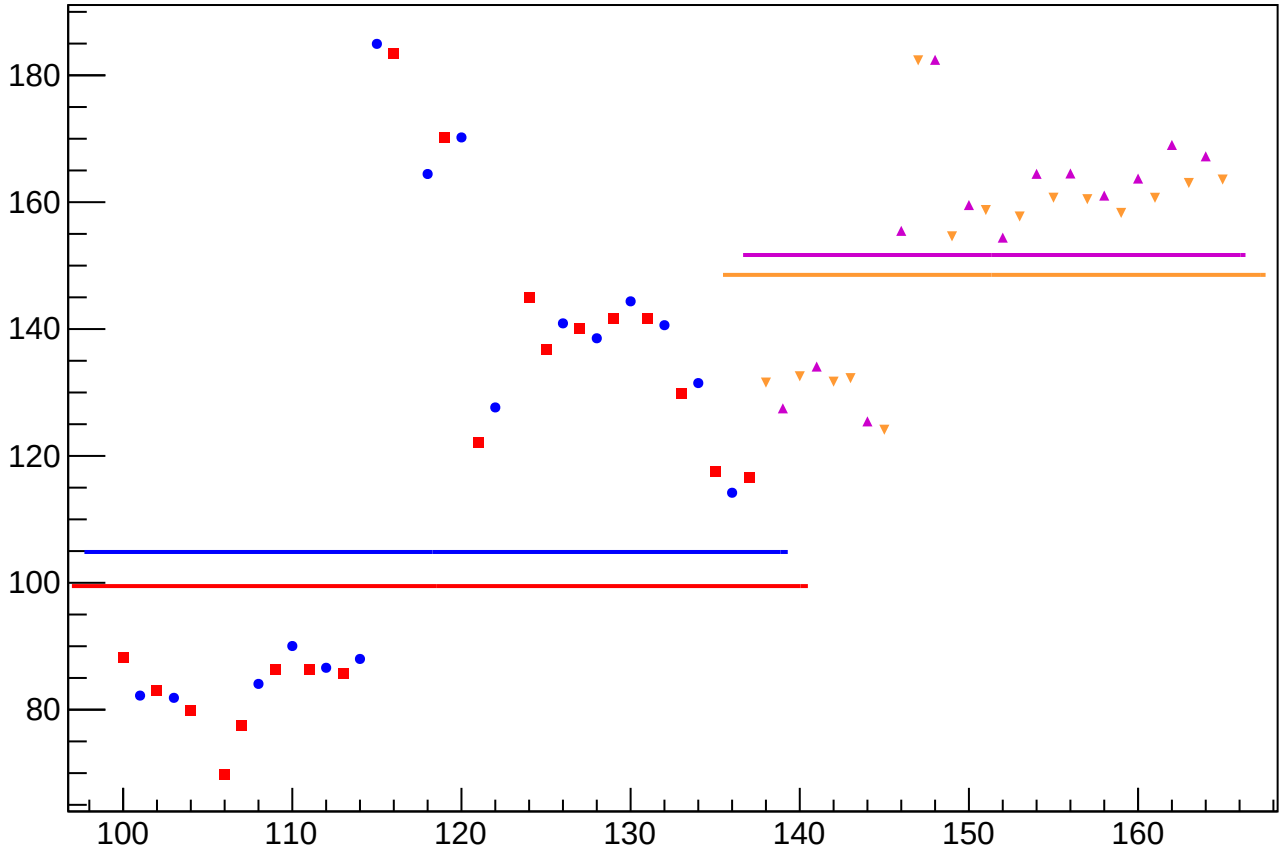
Left In: -182.329+/-46.137 χ^2/NDF:12.4/12

+ sign 84.593+/-29.579 χ^2/NDF: 46.1/30

All: -18.838+/-20.812 χ^2/NDF: 102.5/62

- sign -120.255+/-29.290 χ^2/NDF: 32.1/31

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 148.541+/-0.031 χ^2/NDF:282330.5/14

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

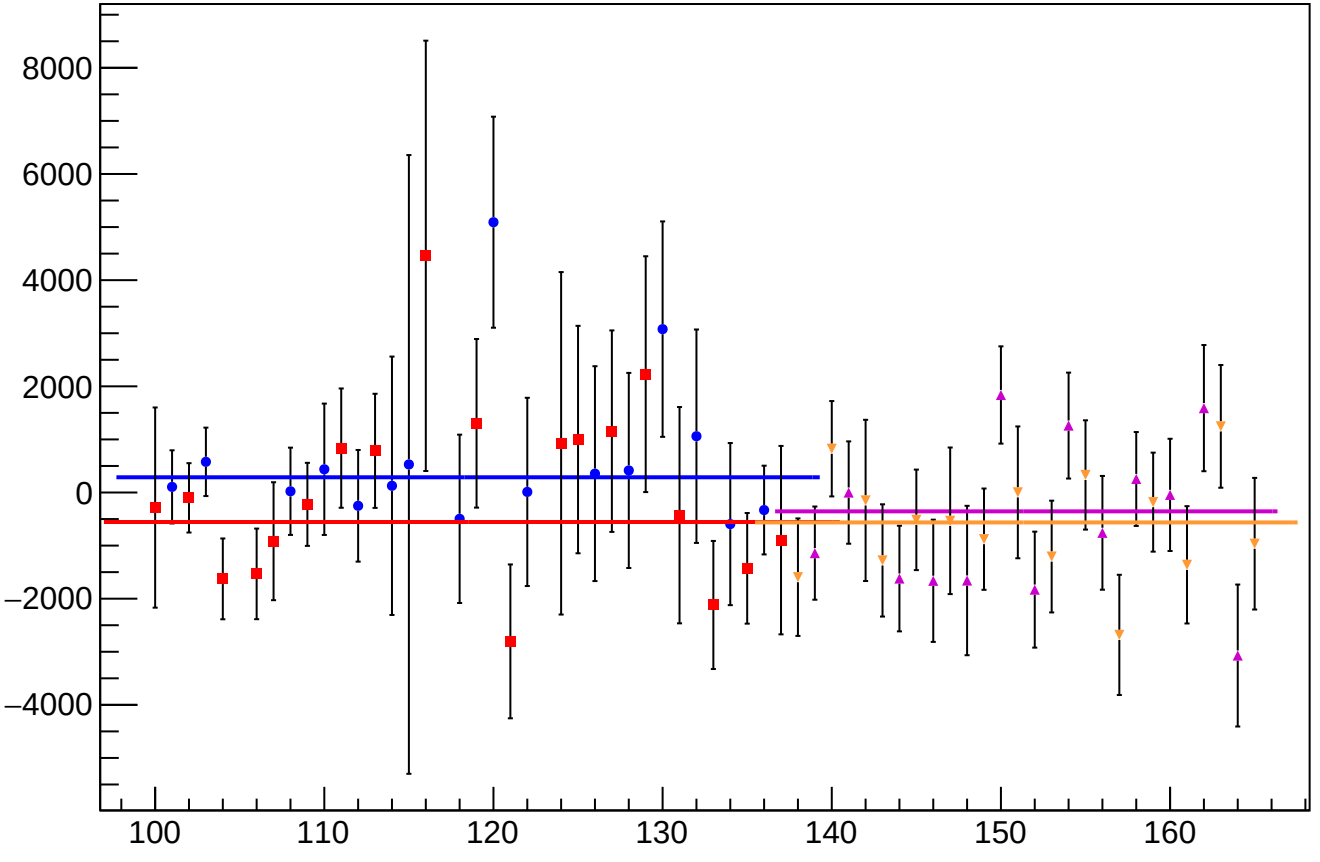
Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

+ sign 125.071+/-0.021 χ^2/NDF: 2297881.4/30

All: 122.772+/-0.015 χ^2/NDF: 5177357.8/62

- sign 120.518+/-0.021 χ^2/NDF: 2855552.2/31

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -563.627+/-279.868 χ^2/NDF:12.0/14

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

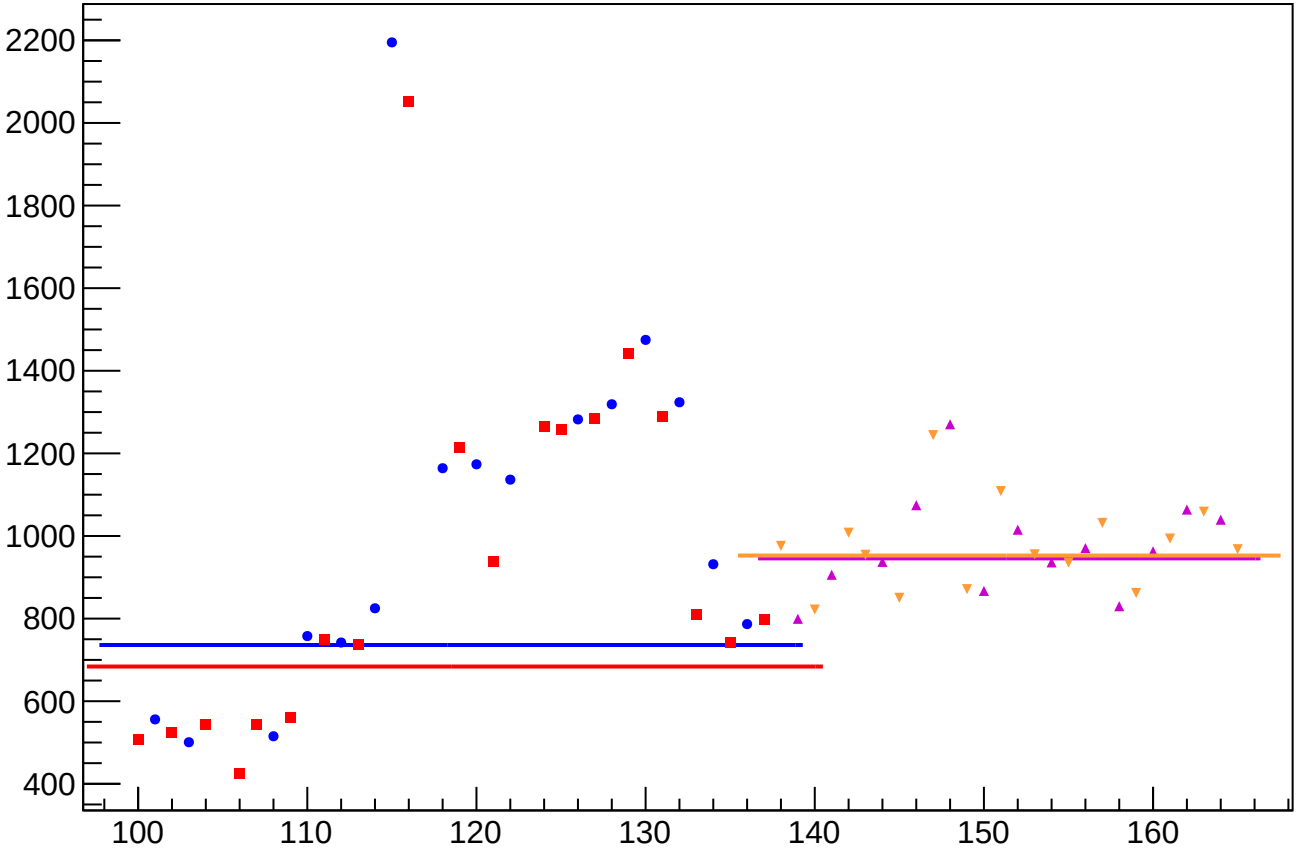
Left In: -355.163+/-288.801 χ^2/NDF:22.4/12

+ sign -158.527+/-202.536 χ^2/NDF: 26.1/30

All: -314.328+/-141.295 χ^2/NDF: 67.9/62

- sign -462.047+/-197.213 χ^2/NDF: 40.7/31

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 952.661+/-0.198 χ^2/NDF:253766.7/14

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

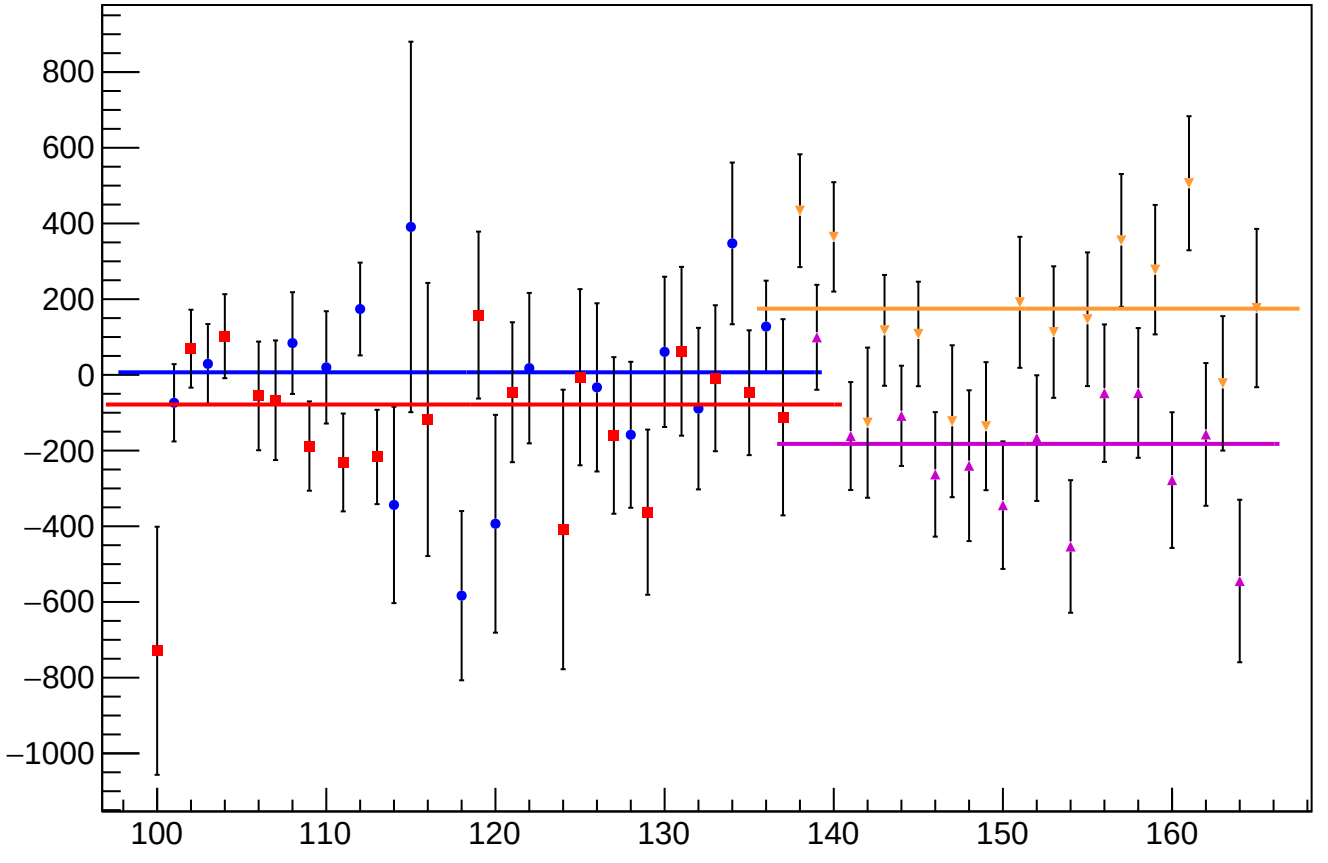
Left In: 945.750+/-0.204 χ^2/NDF:279114.5/12

+ sign 849.509+/-0.143 χ^2/NDF: 2668714.7/30

All: 827.198+/-0.100 χ^2/NDF: 5722434.8/62

- sign 806.045+/-0.139 χ^2/NDF: 3006442.5/31

eigen_cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.930+/-43.485 χ^2/NDF:19.3/14

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

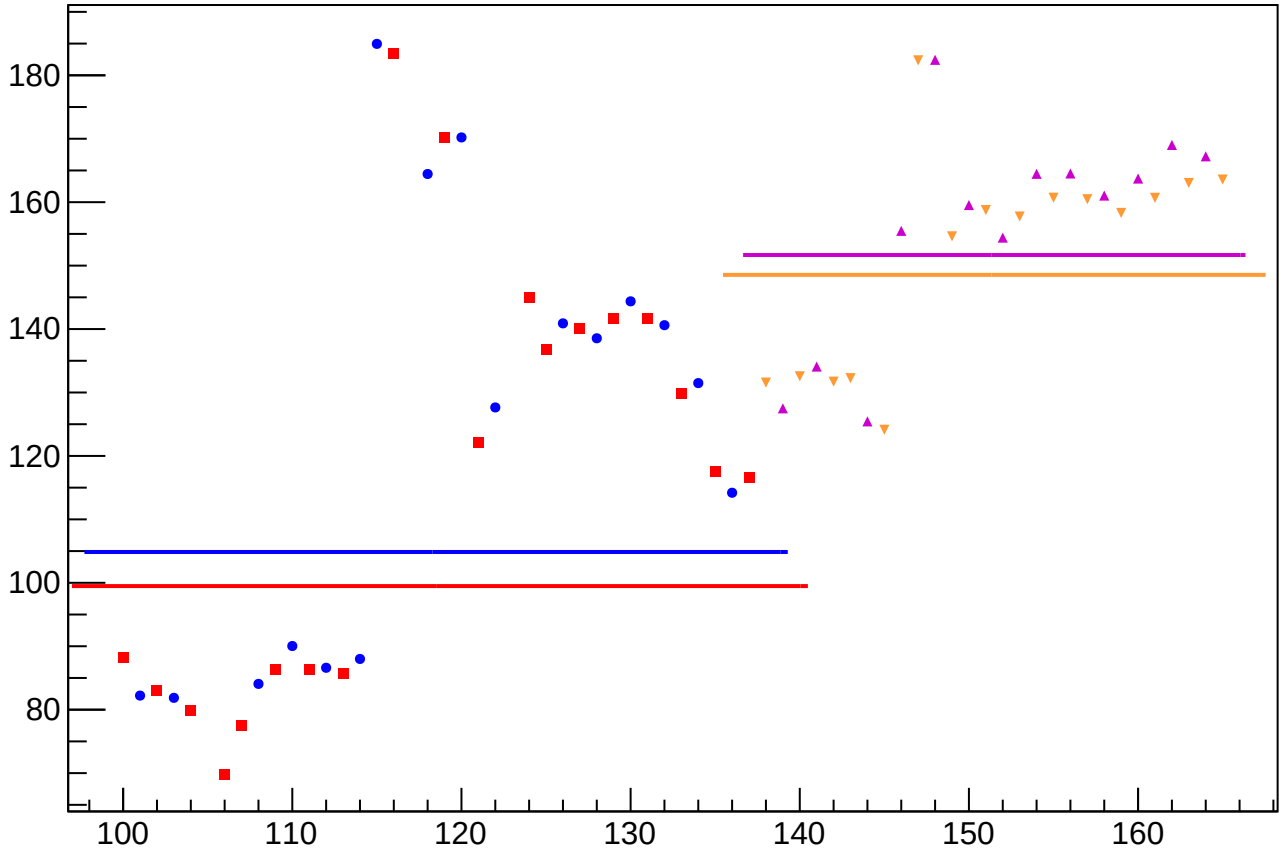
Left In: -182.329+/-46.137 χ^2/NDF:12.4/12

+ sign 84.593+/-29.579 χ^2/NDF: 46.1/30

All: -18.838+/-20.812 χ^2/NDF: 102.5/62

- sign -120.255+/-29.290 χ^2/NDF: 32.1/31

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 148.541+/-0.031 χ^2/NDF:282330.5/14

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

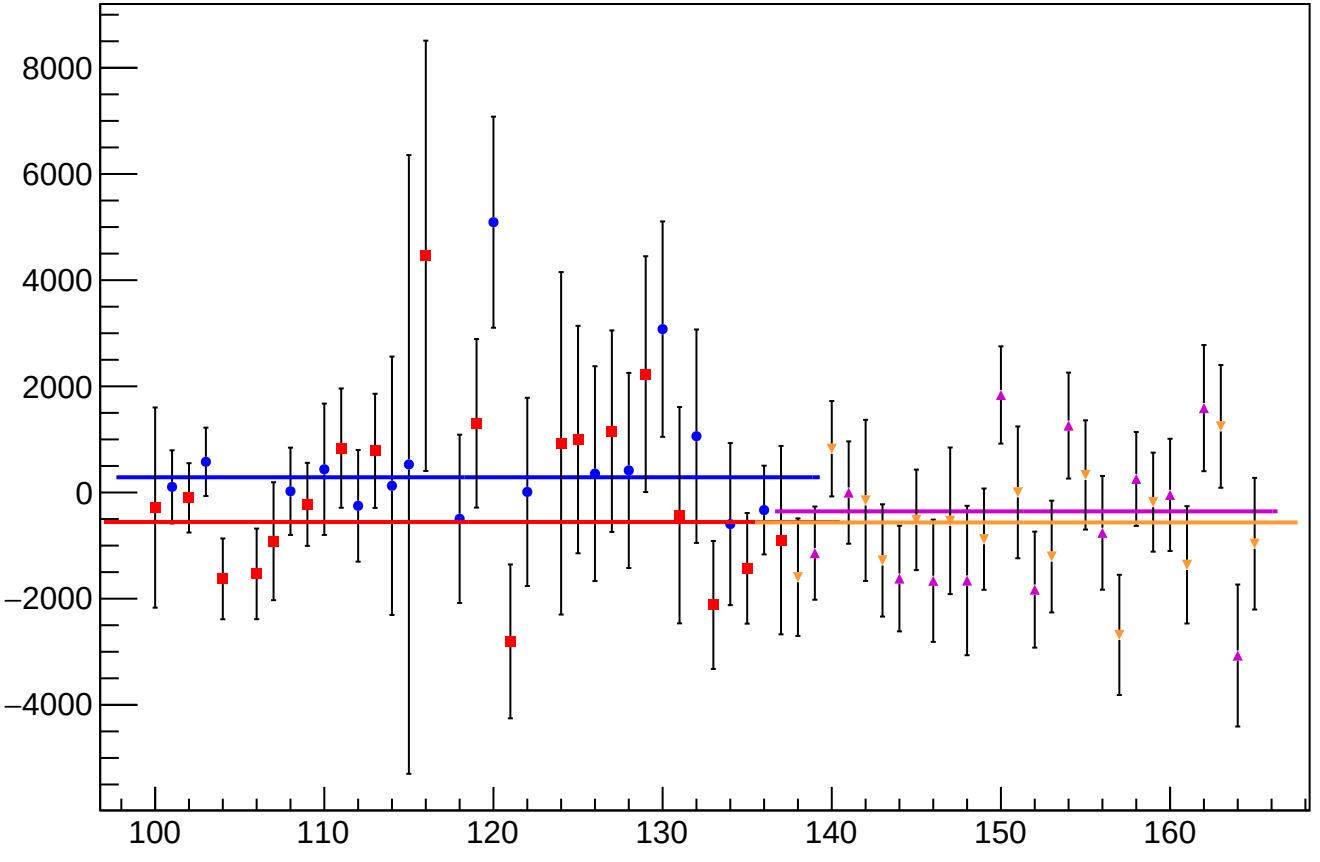
Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

+ sign 125.071+/-0.021 χ^2/NDF: 2297881.4/30

All: 122.772+/-0.015 χ^2/NDF: 5177357.8/62

- sign 120.518+/-0.021 χ^2/NDF: 2855552.2/31

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -563.627+/-279.868 χ^2/NDF:12.0/14

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

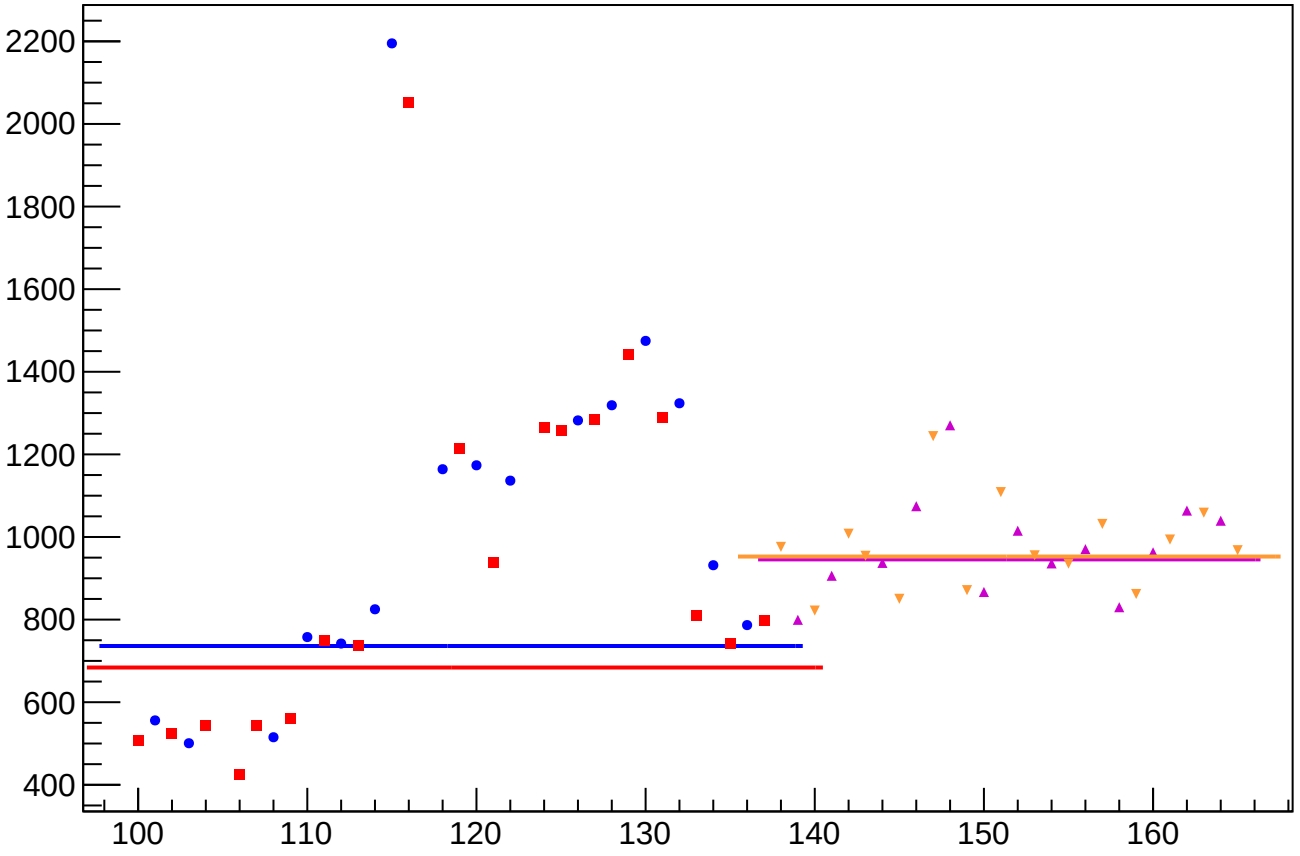
Left In: -355.163+/-288.801 χ^2/NDF:22.4/12

+ sign -158.527+/-202.536 χ^2/NDF: 26.1/30

All: -314.328+/-141.295 χ^2/NDF: 67.9/62

- sign -462.047+/-197.213 χ^2/NDF: 40.7/31

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 952.661+/-0.198 χ^2/NDF:253766.7/14

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

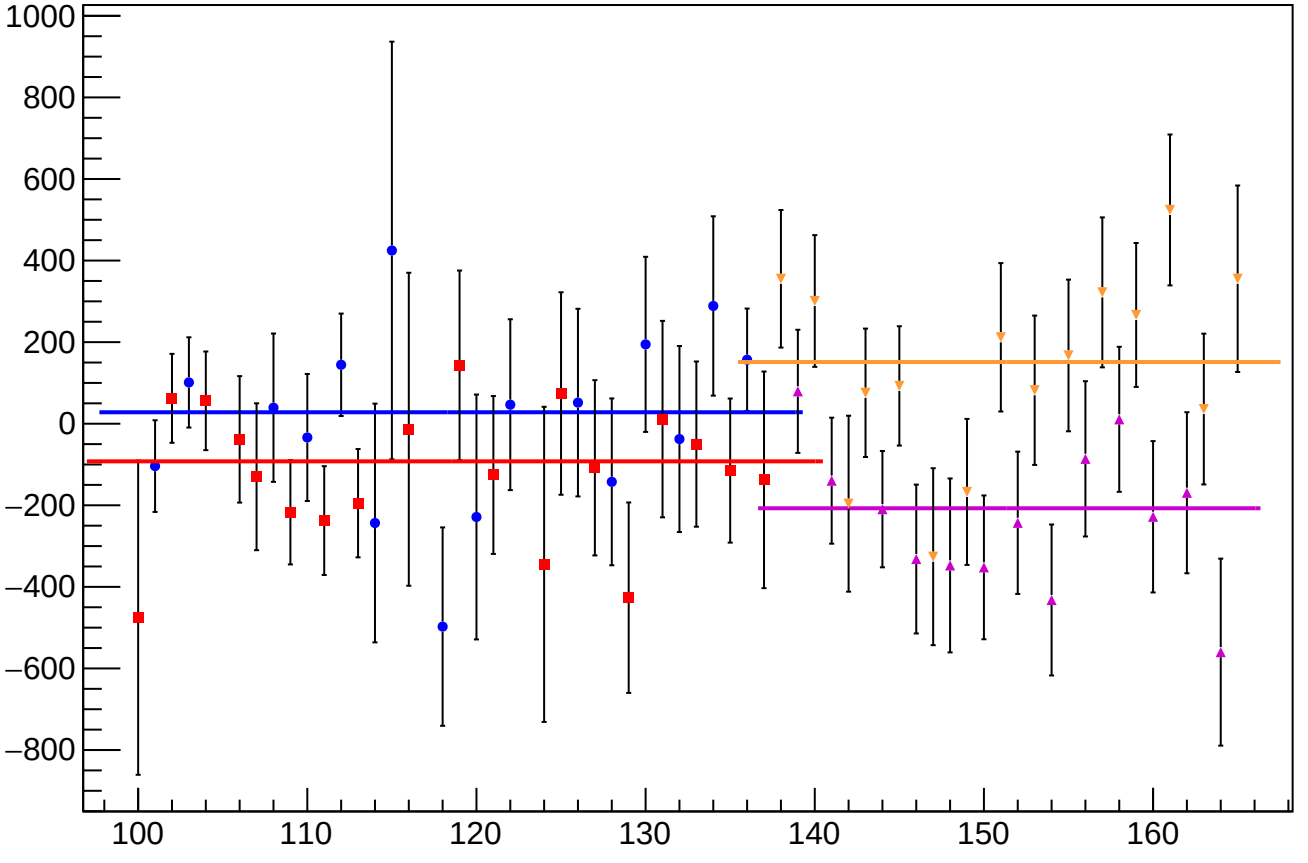
Left In: 945.750+/-0.204 χ^2/NDF:279114.5/12

+ sign 849.509+/-0.143 χ^2/NDF: 2668714.7/30

All: 827.198+/-0.100 χ^2/NDF: 5722434.8/62

- sign 806.045+/-0.139 χ^2/NDF: 3006442.5/31

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 151.244+/-46.482 χ^2/NDF:20.1/14

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

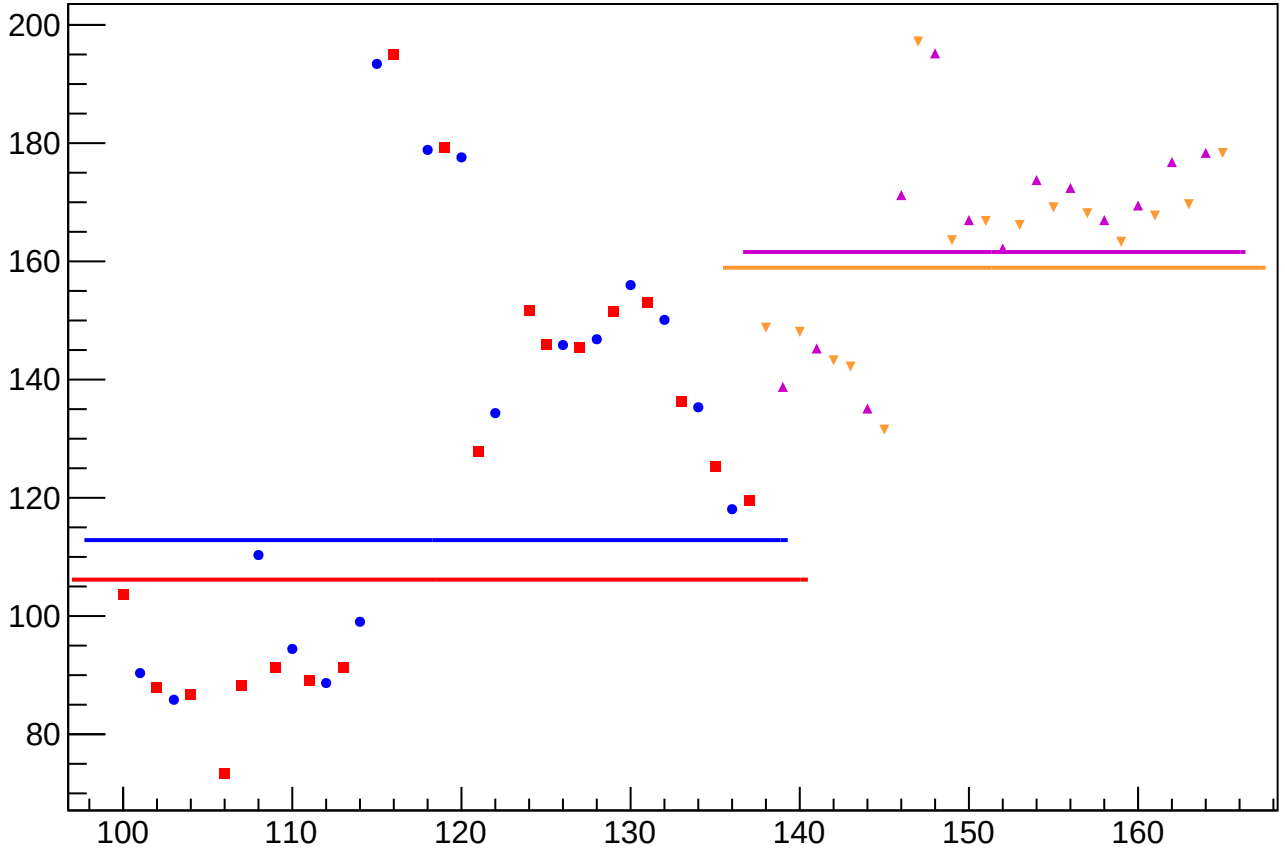
Left In: -207.309+/-49.134 χ^2/NDF:11.2/12

+ sign 85.507+/-31.737 χ^2/NDF: 37.4/30

All: -28.336+/-22.274 χ^2/NDF: 89.0/62

- sign -138.849+/-31.270 χ^2/NDF: 26.2/31

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 158.928+/-0.033 χ^2/NDF:227971.0/14

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

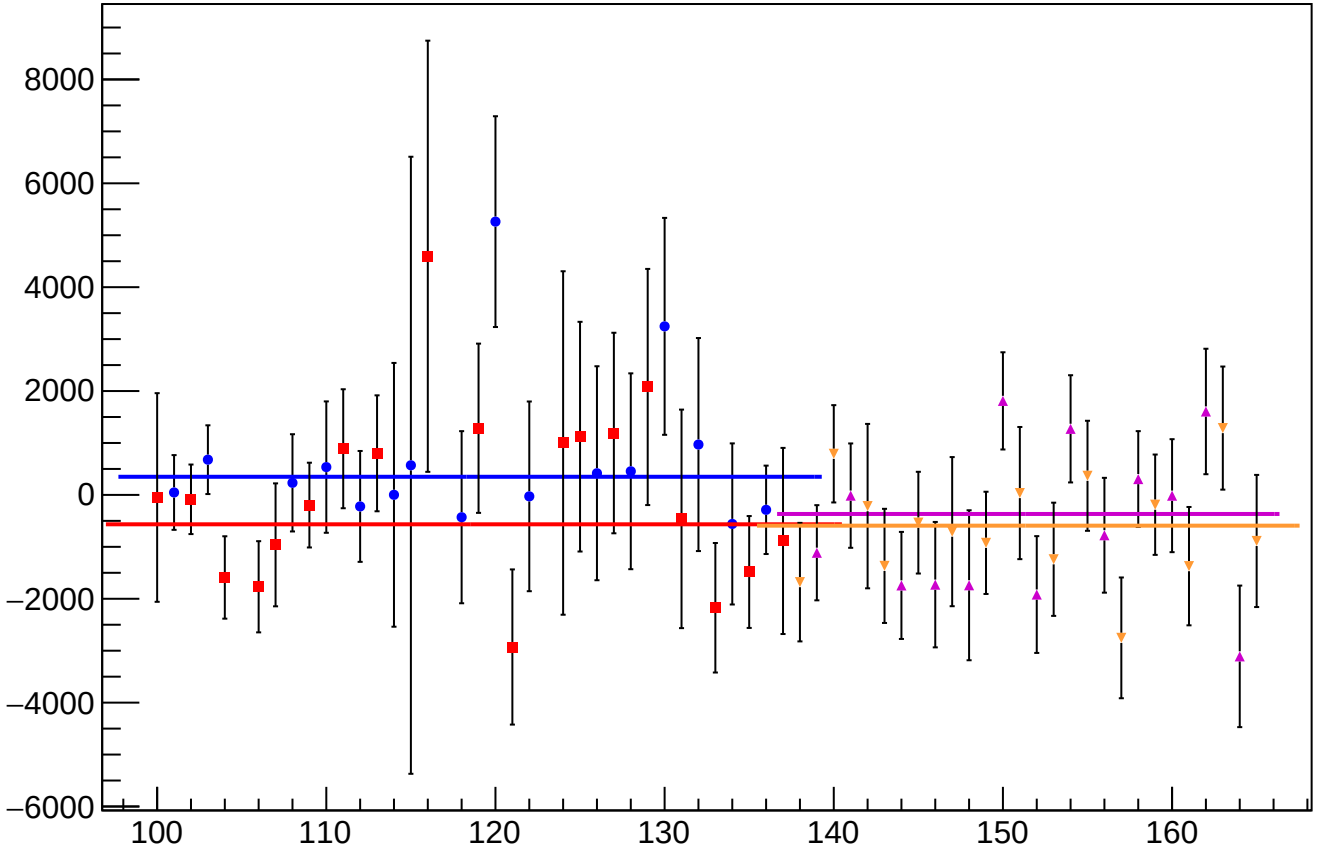
Left In: 161.585+/-0.035 χ^2/NDF:237281.4/12

+ sign 134.328+/-0.022 χ^2/NDF: 2149661.7/30

All: 131.425+/-0.016 χ^2/NDF: 4936323.6/62

- sign 128.608+/-0.022 χ^2/NDF: 2753697.1/31

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -592.201+/-289.217 χ^2/NDF:11.8/14

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

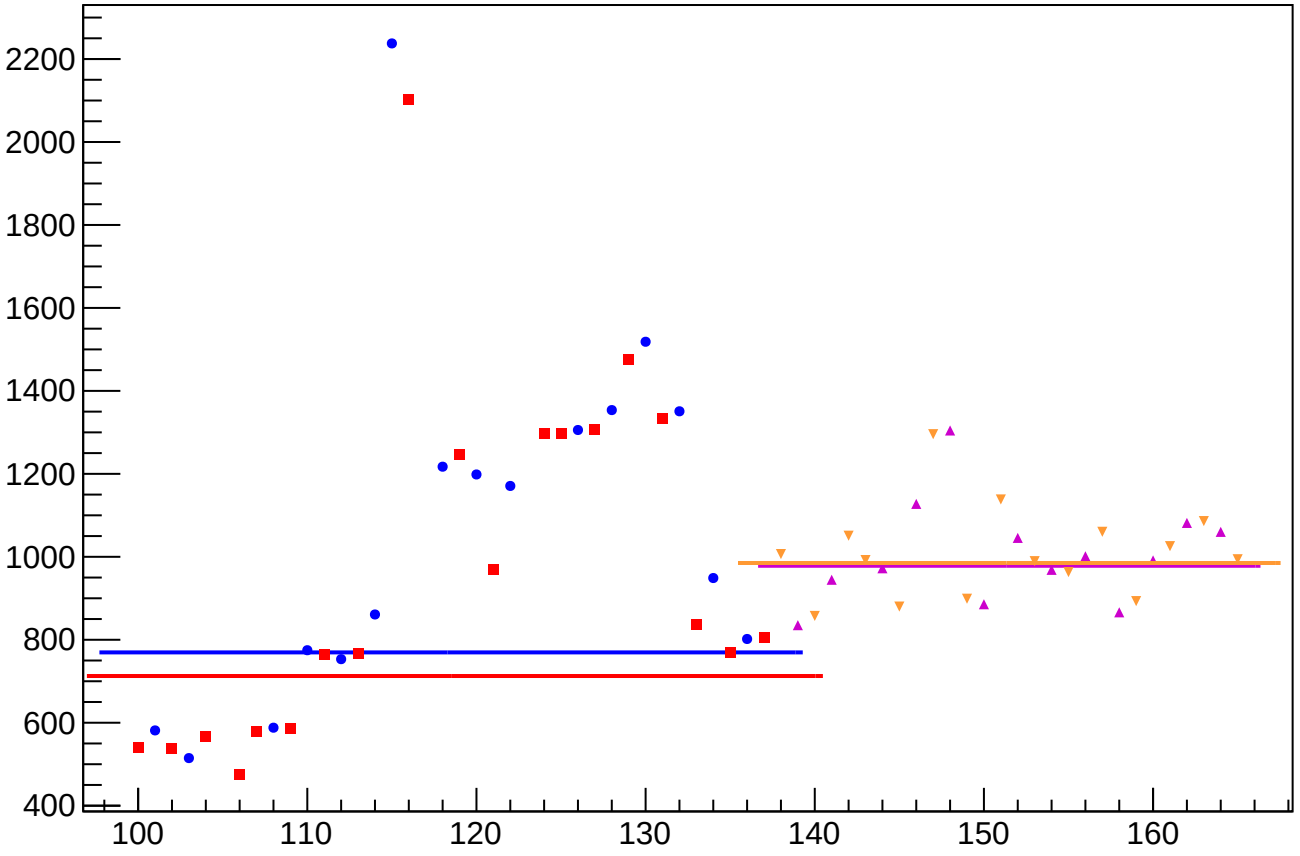
Left In: -367.181+/-298.547 χ^2/NDF:22.1/12

+ sign -147.033+/-209.972 χ^2/NDF: 26.7/30

All: -314.903+/-146.289 χ^2/NDF: 68.5/62

- sign -473.248+/-203.928 χ^2/NDF: 40.6/31

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 985.103+/-0.205 χ^2/NDF:246726.0/14

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

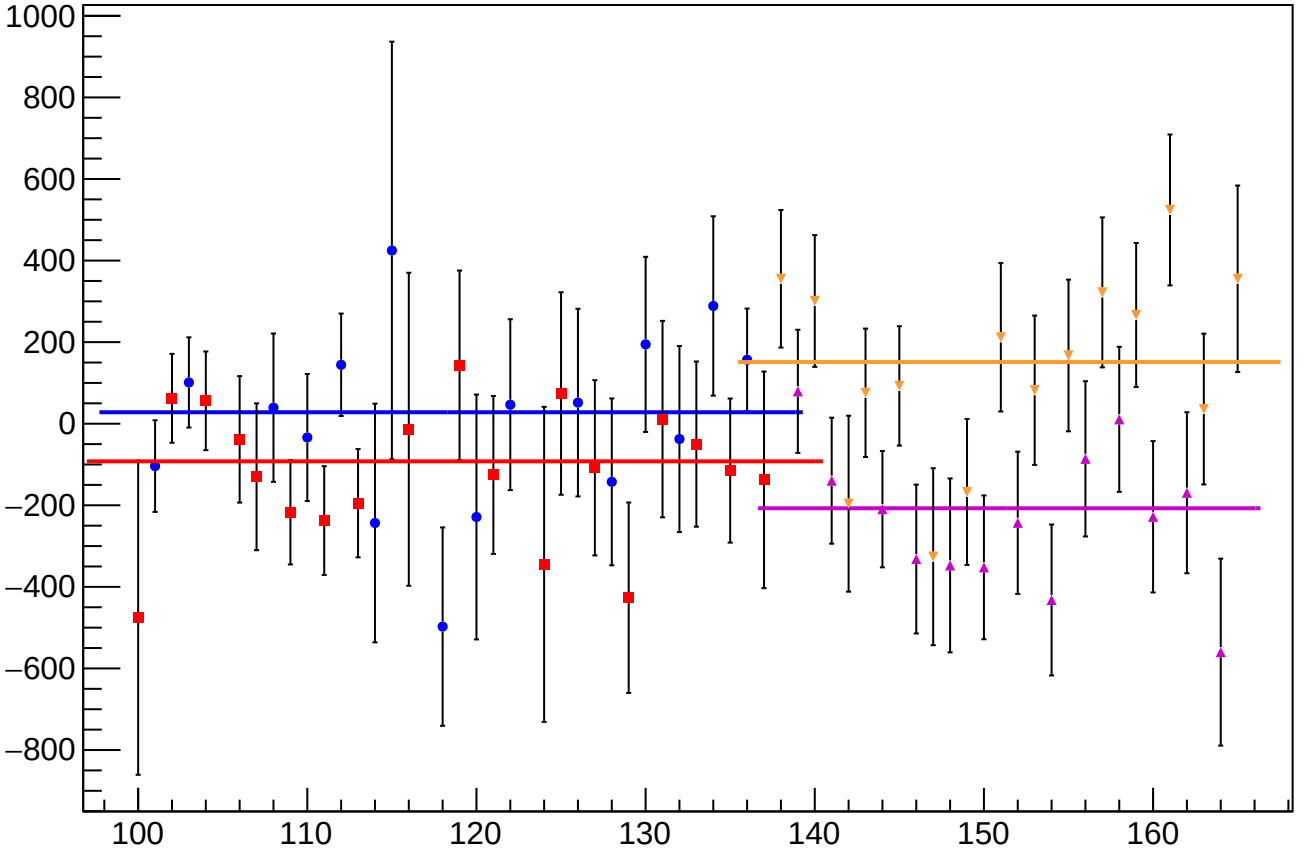
Left In: 978.405+/-0.211 χ^2/NDF:263236.3/12

+ sign 883.167+/-0.148 χ^2/NDF: 2512013.9/30

All: 859.222+/-0.103 χ^2/NDF: 5438503.0/62

- sign 836.635+/-0.144 χ^2/NDF: 2875945.8/31

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 151.245+/-46.482 χ^2/NDF:20.1/14

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

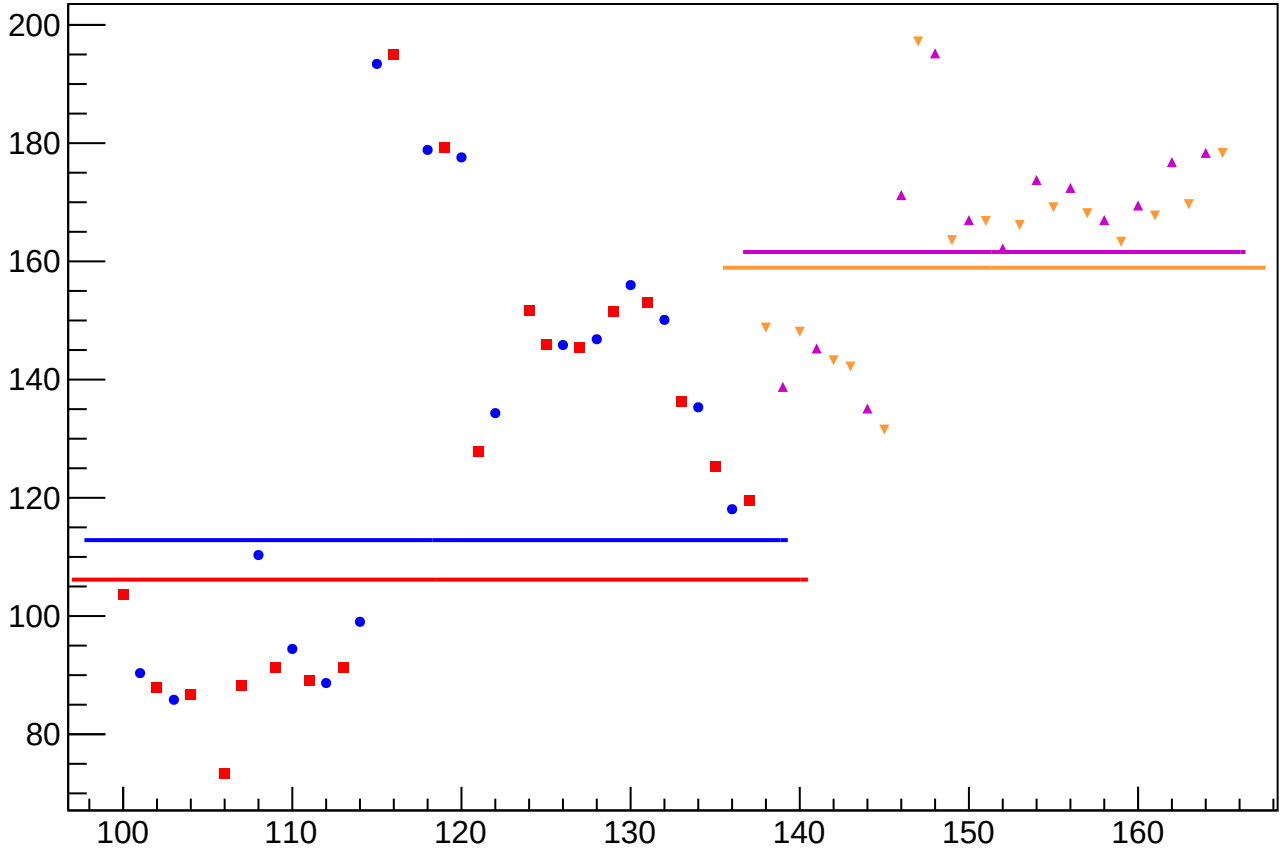
Left In: -207.311+/-49.134 χ^2/NDF:11.2/12

+ sign 85.506+/-31.737 χ^2/NDF: 37.4/30

All: -28.336+/-22.274 χ^2/NDF: 89.0/62

- sign -138.850+/-31.270 χ^2/NDF: 26.2/31

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 158.928+/-0.033 χ^2/NDF:227972.0/14

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

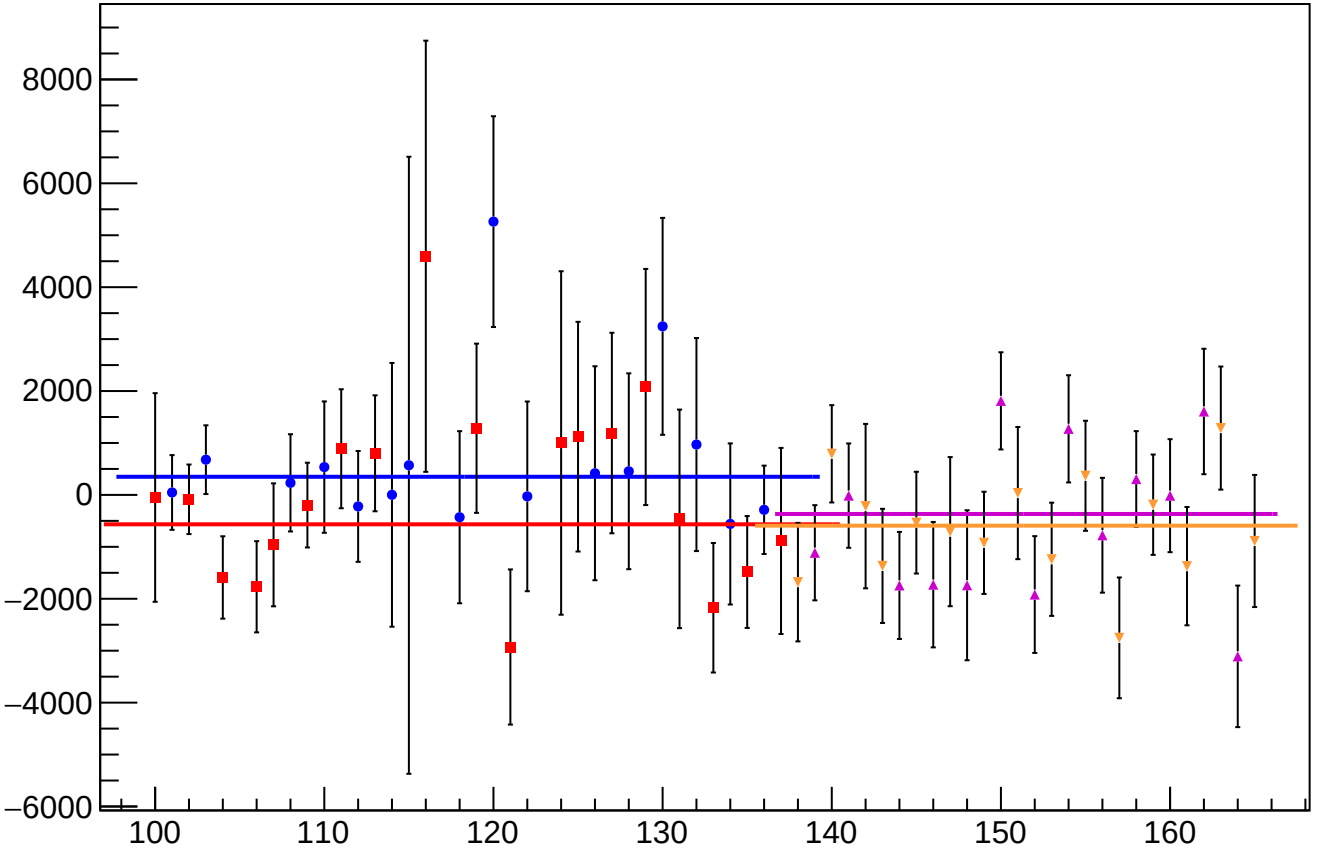
Left In: 161.586+/-0.035 χ^2/NDF:237276.6/12

+ sign 134.327+/-0.022 χ^2/NDF: 2149680.5/30

All: 131.425+/-0.016 χ^2/NDF: 4936352.9/62

- sign 128.607+/-0.022 χ^2/NDF: 2753708.2/31

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -592.201+/-289.217 χ^2/NDF:11.8/14

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

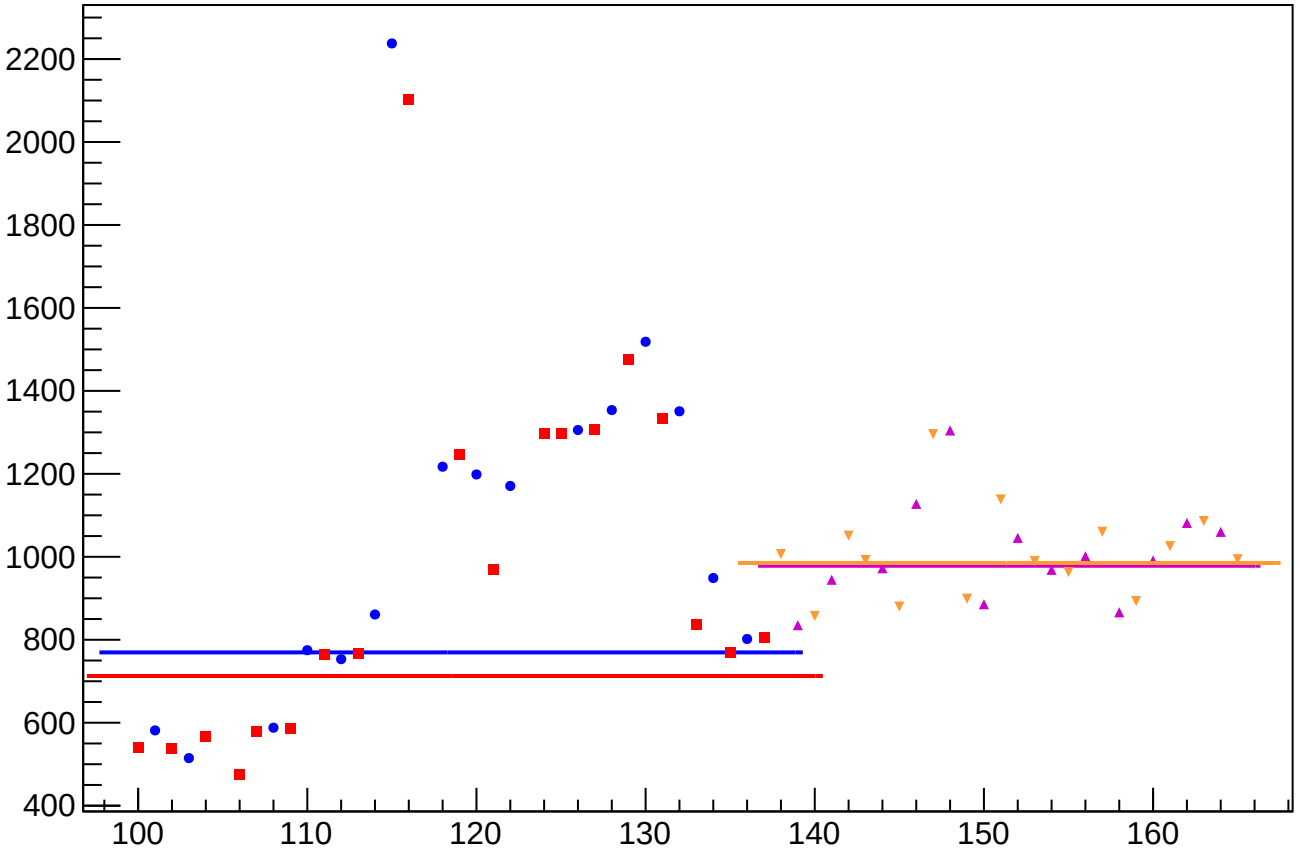
Left In: -367.182+/-298.547 χ^2/NDF:22.1/12

+ sign -147.032+/-209.972 χ^2/NDF: 26.7/30

All: -314.903+/-146.289 χ^2/NDF: 68.5/62

- sign -473.249+/-203.928 χ^2/NDF: 40.6/31

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 985.104+/-0.205 χ^2/NDF:246726.3/14

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

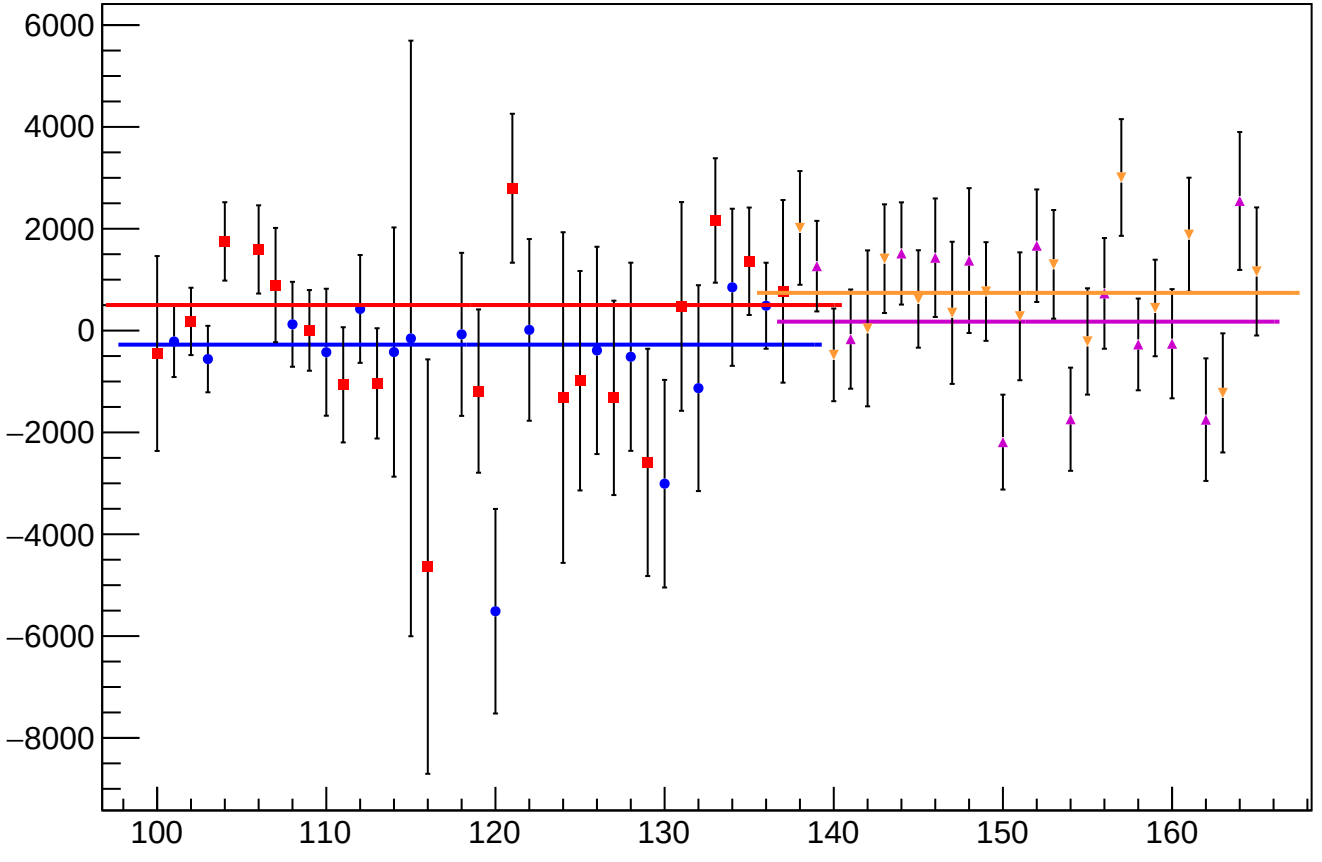
Left In: 978.407+/-0.211 χ^2/NDF:263235.8/12

+ sign 883.167+/-0.148 χ^2/NDF: 2512024.7/30

All: 859.222+/-0.103 χ^2/NDF: 5438522.7/62

- sign 836.635+/-0.144 χ^2/NDF: 2875954.0/31

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 740.969+/-283.438 χ^2/NDF:13.0/14

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

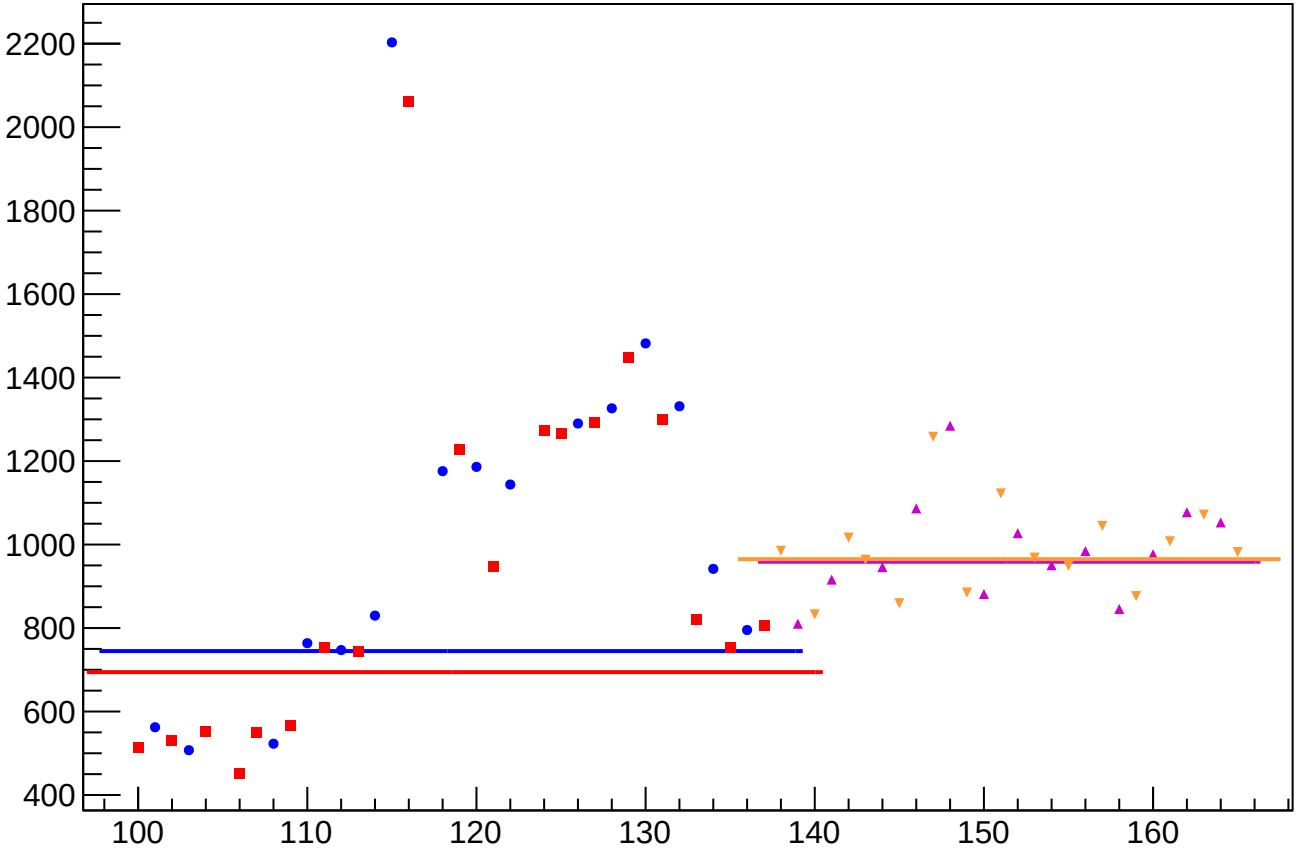
Left In: 175.469+/-292.723 χ^2/NDF:23.4/12

+ sign 255.639+/-204.952 χ^2/NDF: 30.2/30

All: 304.109+/-143.010 χ^2/NDF: 74.9/62

- sign 350.102+/-199.645 χ^2/NDF: 44.6/31

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 965.062+/-0.200 χ^2/NDF:250180.9/14

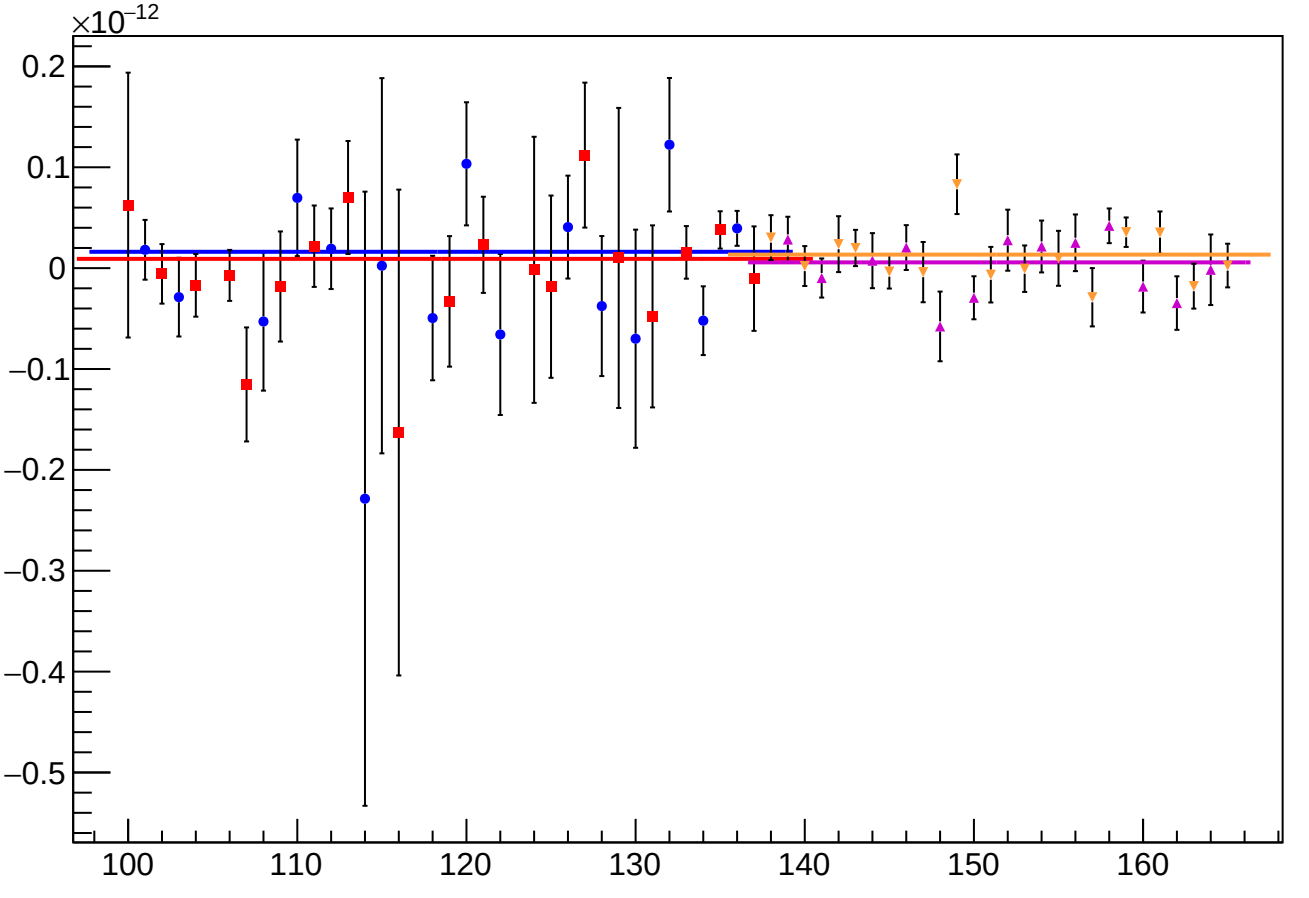
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 958.885+/-0.207 χ^2/NDF:272981.0/12

+ sign 859.958+/-0.145 χ^2/NDF: 2649106.0/30

All: 838.121+/-0.101 χ^2/NDF: 5643673.0/62

- sign 817.401+/-0.141 χ^2/NDF: 2950319.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

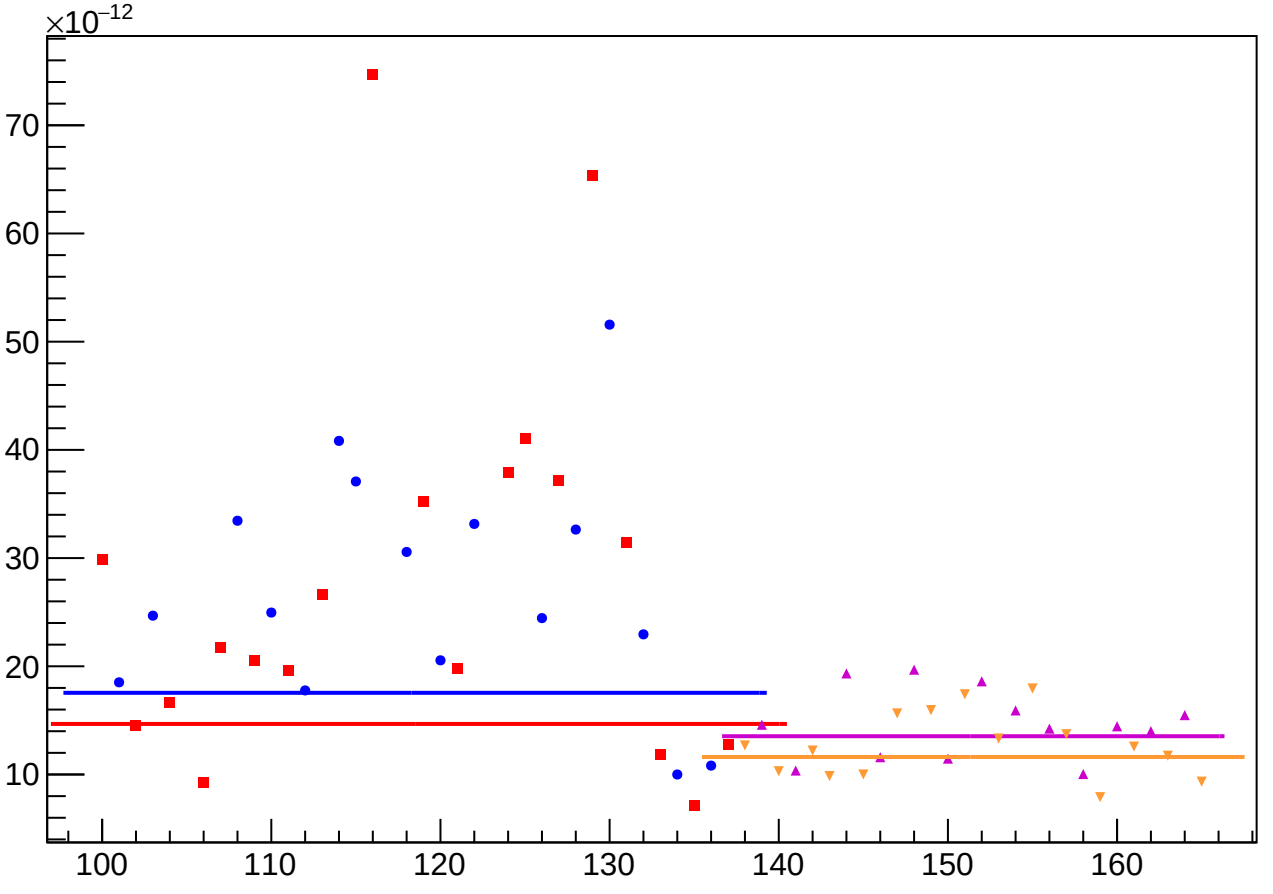
Left In: 0.000+/-0.000 χ^2/NDF:17.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 34.8/30

All: 0.000+/-0.000 χ^2/NDF: 67.1/62

- sign 0.000+/-0.000 χ^2/NDF: 31.4/31

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:505136.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

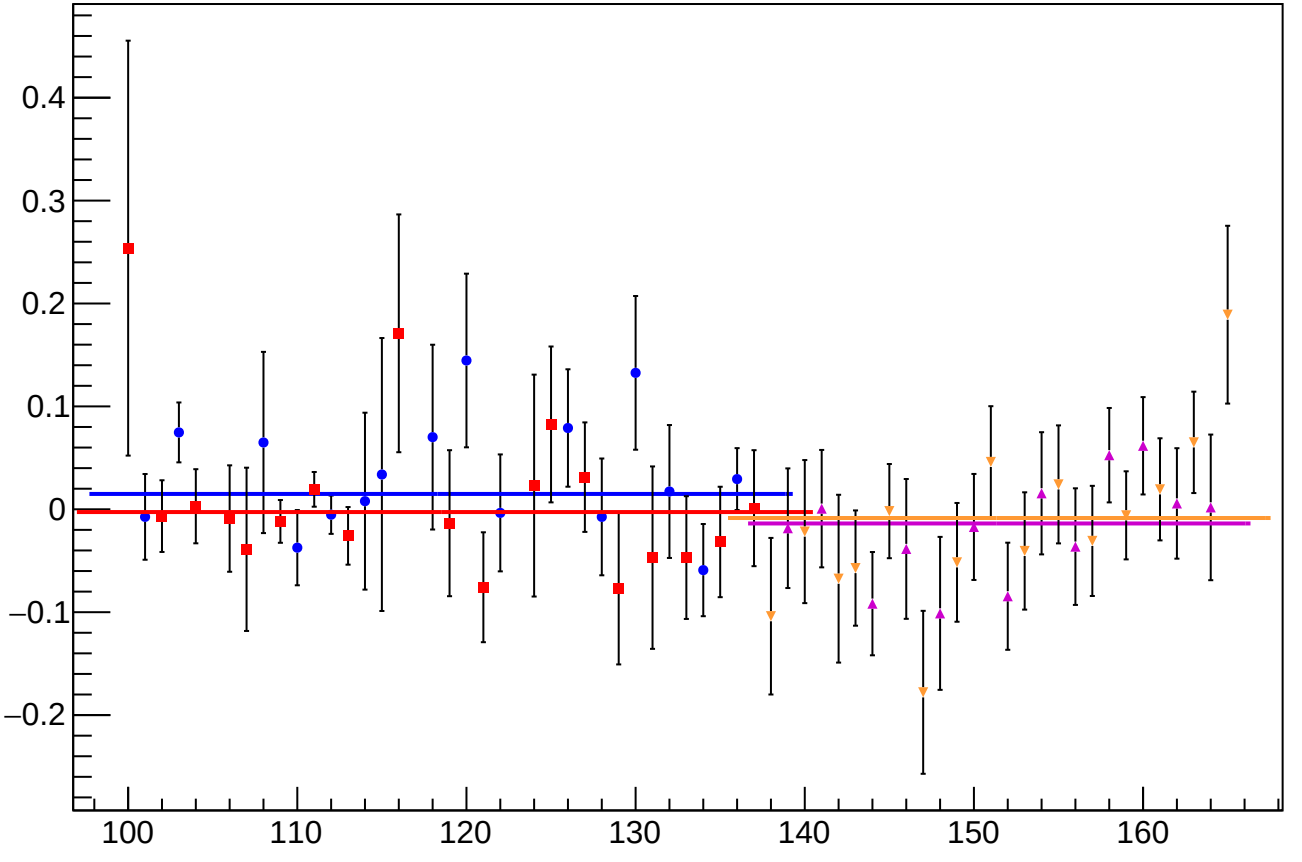
Left In: 0.000+/-0.000 χ^2/NDF:412576.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 2144664.2/30

All: 0.000+/-0.000 χ^2/NDF: 4356266.1/62

- sign 0.000+/-0.000 χ^2/NDF: 2173536.9/31

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.008+/-0.015 χ^2/NDF:17.6/14

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

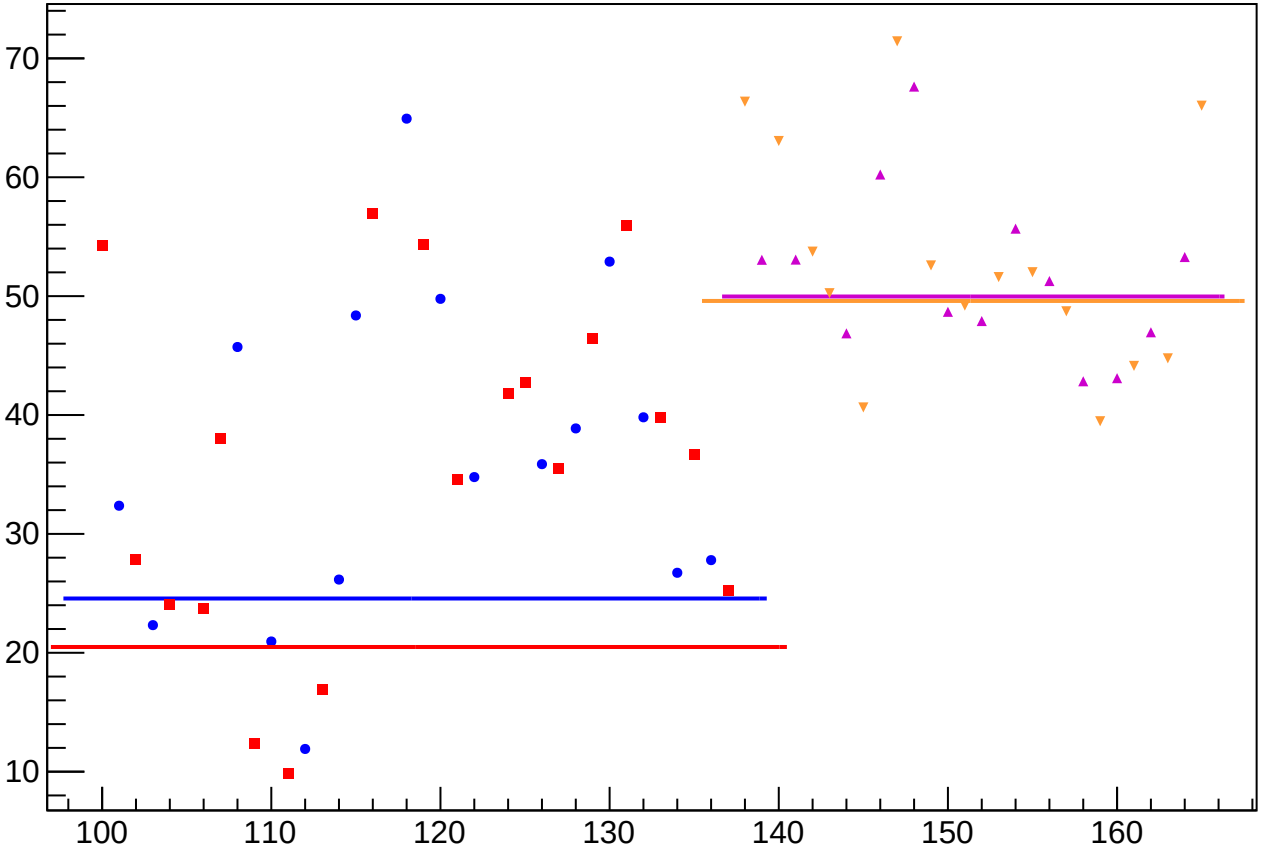
Left In: -0.014+/-0.015 χ^2/NDF:11.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 37.1/30

All: 0.000+/-0.006 χ^2/NDF: 62.1/62

- sign -0.006+/-0.008 χ^2/NDF: 23.9/31

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645680.5/14

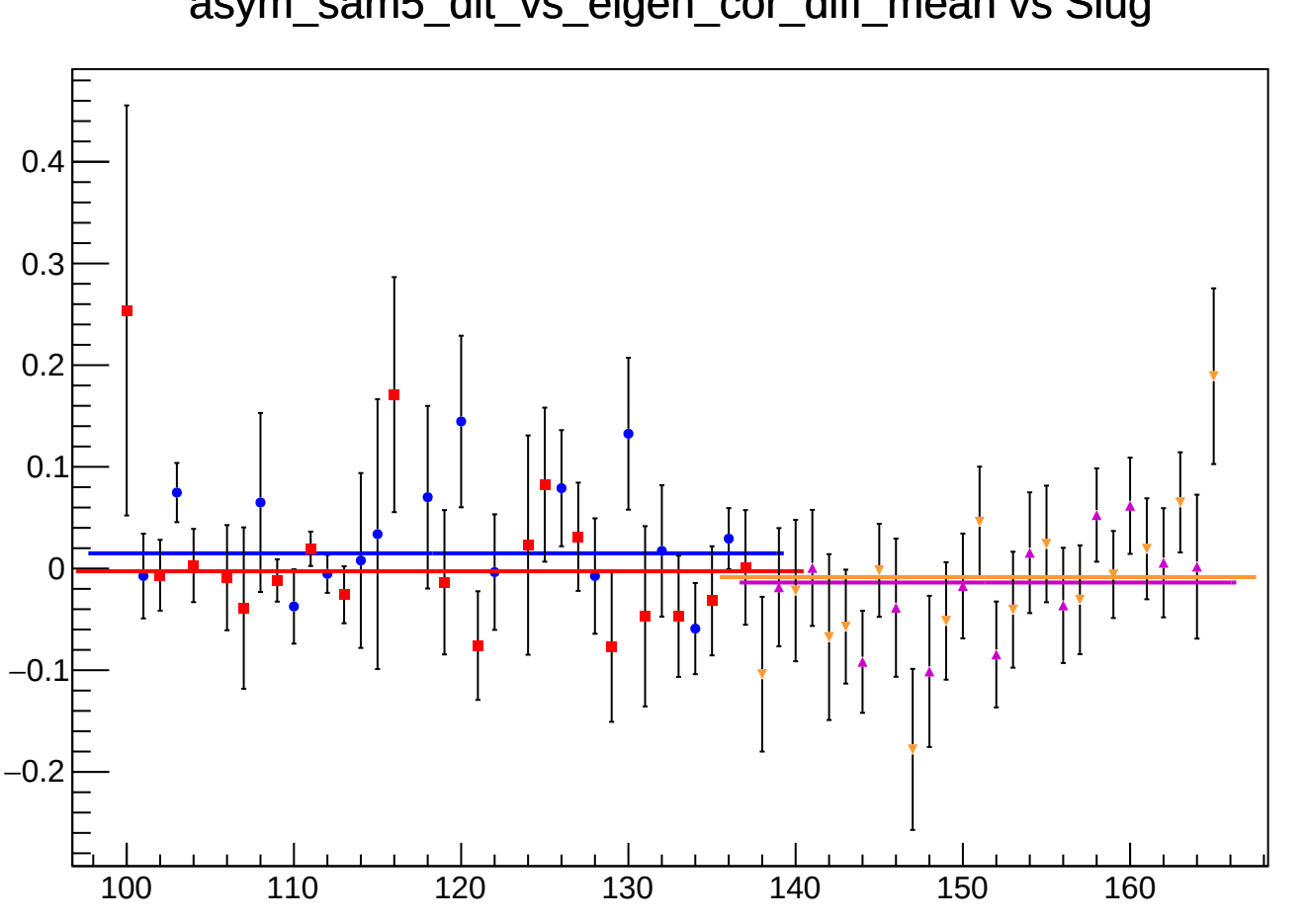
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.969+/-0.011 χ^2/NDF:302769.7/12

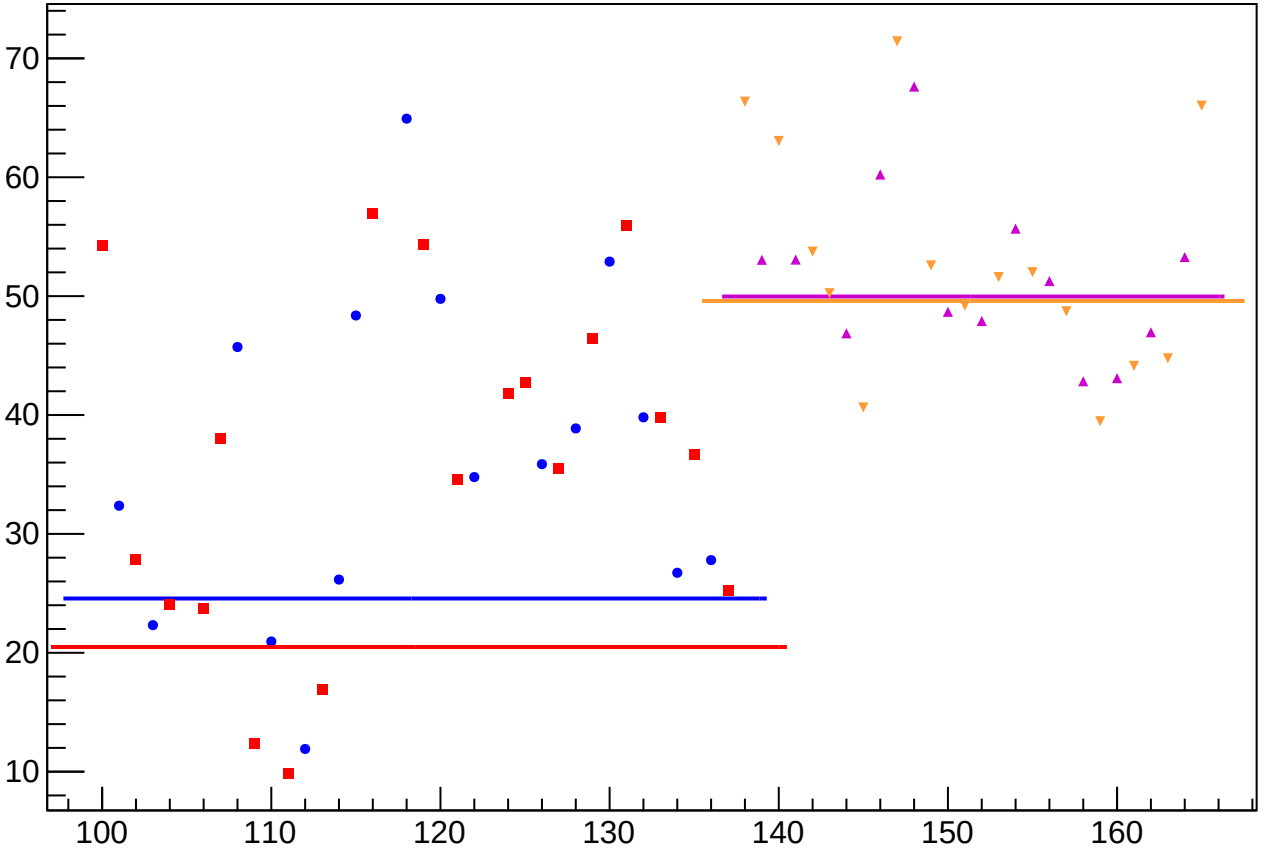
+ sign 33.063+/-0.006 χ^2/NDF: 6924976.7/30

All: 30.463+/-0.004 χ^2/NDF: 16534047.8/62

- sign 28.262+/-0.006 χ^2/NDF: 9271808.7/31


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.008+/-0.015 χ²/NDF:17.6/14
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.014+/-0.015 χ²/NDF:11.1/12
+ sign 0.007+/-0.009 χ²/NDF: 37.1/30
All: 0.000+/-0.006 χ²/NDF: 62.1/62
- sign -0.006+/-0.008 χ²/NDF: 23.9/31

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645680.5/14

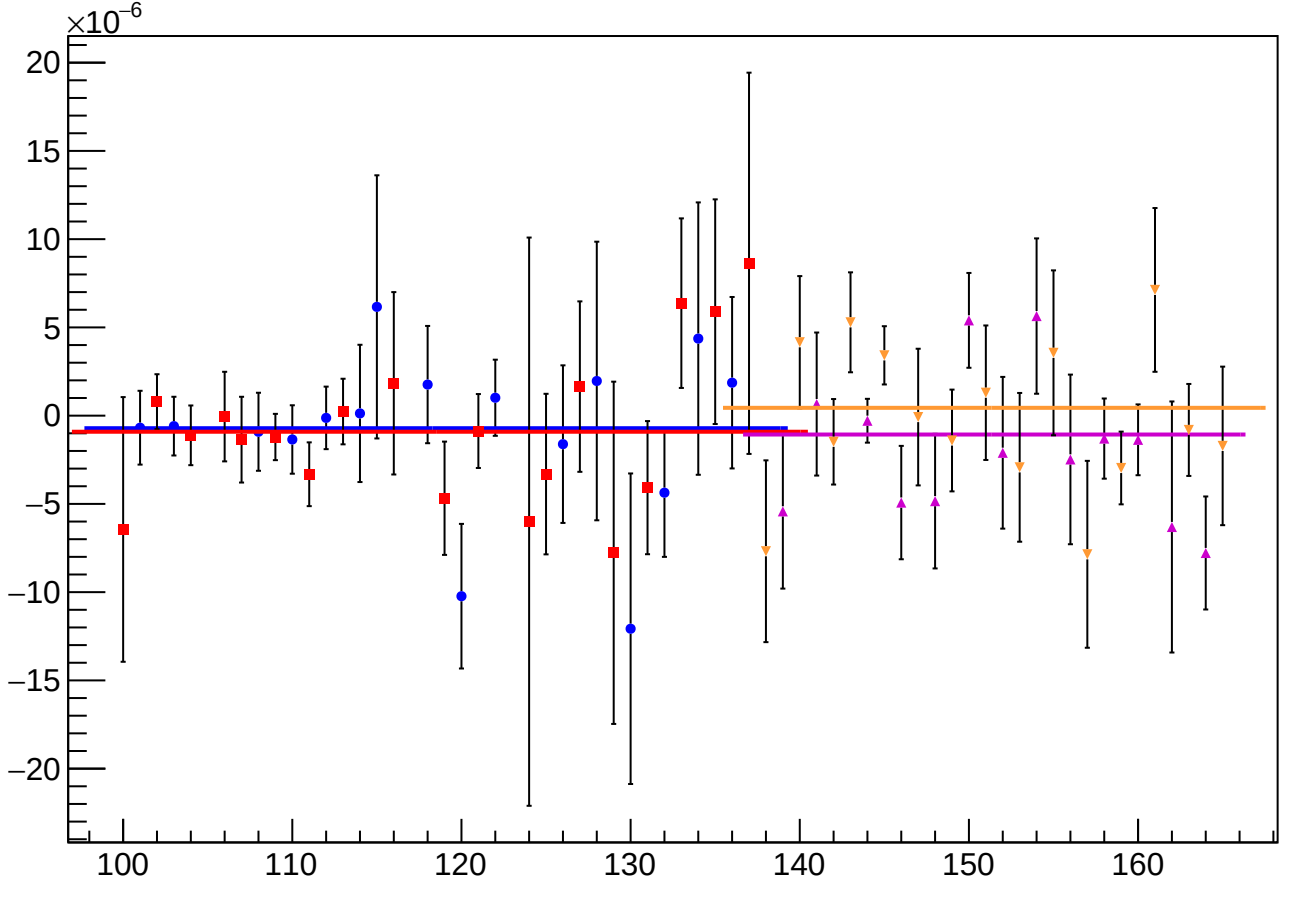
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.969+/-0.011 χ^2/NDF:302769.7/12

+ sign 33.063+/-0.006 χ^2/NDF: 6924976.7/30

All: 30.463+/-0.004 χ^2/NDF: 16534047.8/62

- sign 28.262+/-0.006 χ^2/NDF: 9271808.7/31



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/14

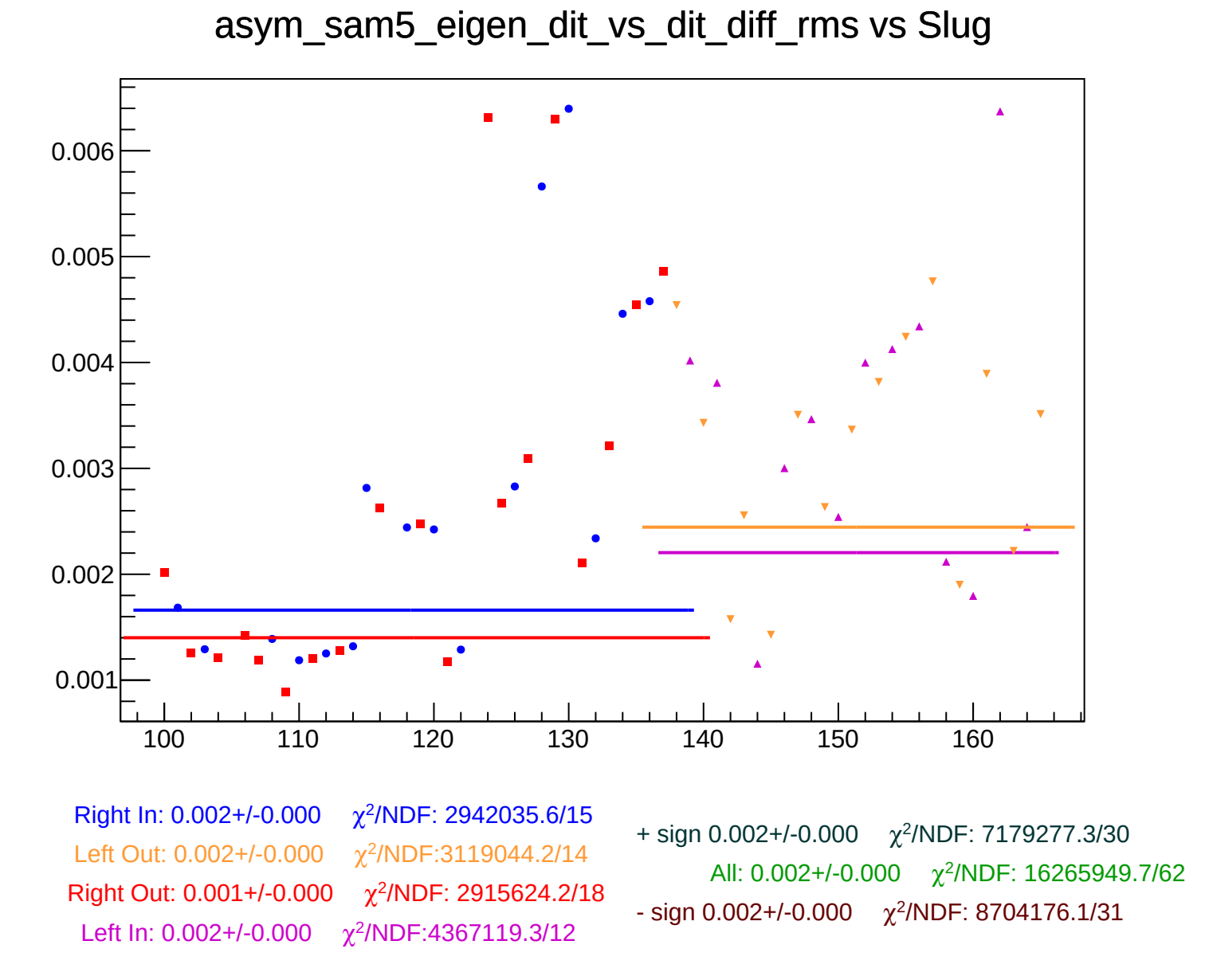
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

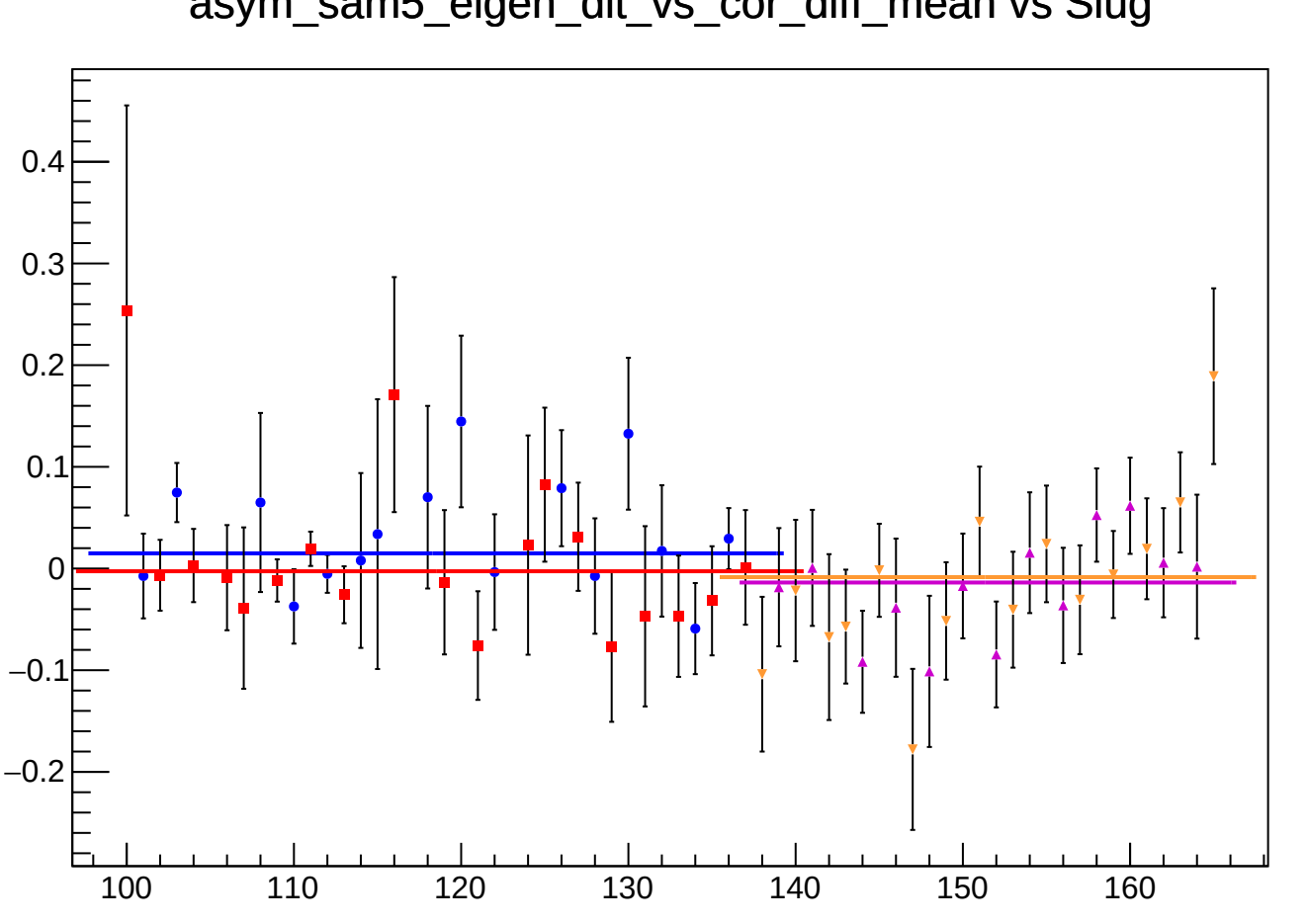
Left In: -0.000+/-0.000 χ^2/NDF:17.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/30

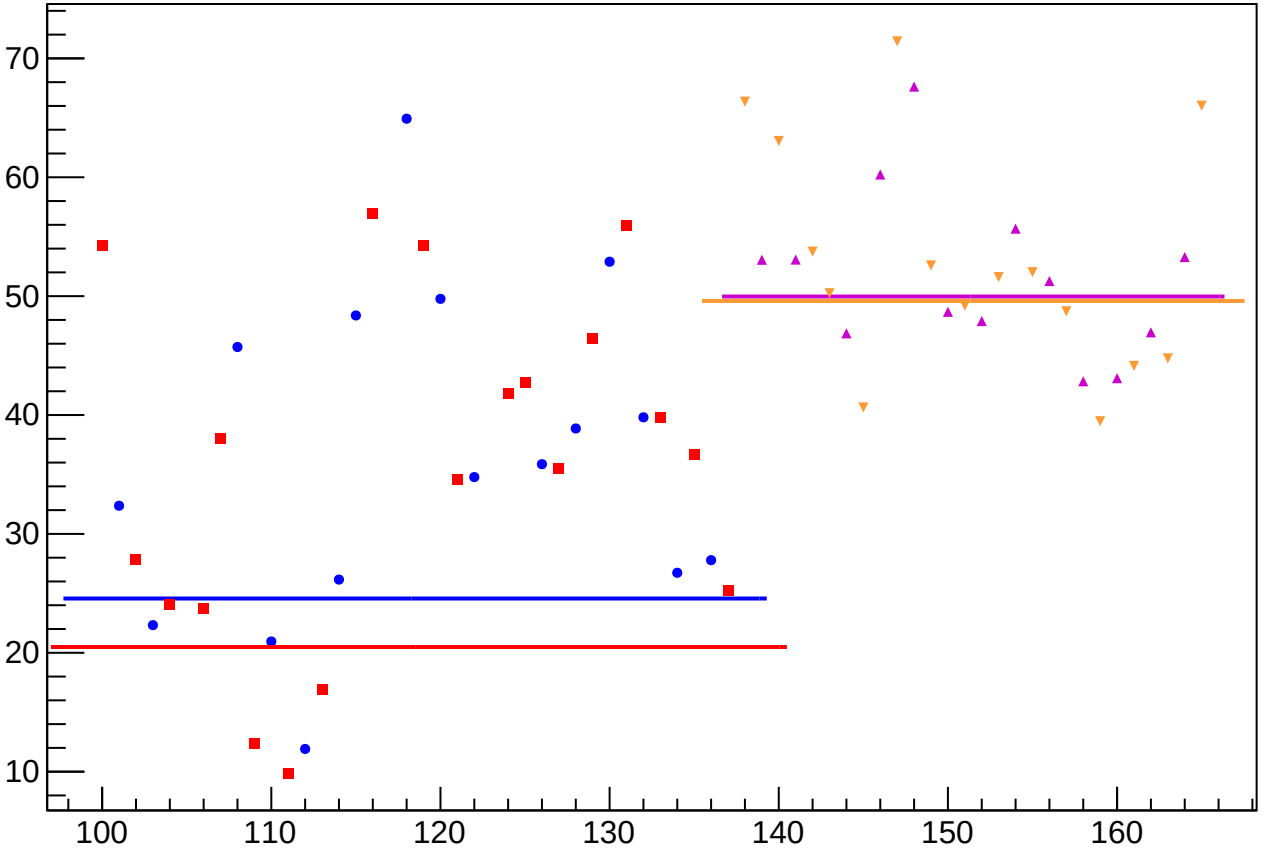
All: -0.000+/-0.000 χ^2/NDF: 62.4/62

- sign -0.000+/-0.000 χ^2/NDF: 29.1/31


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.002+/-0.000 χ²/NDF:3119044.2/14
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:4367119.3/12
+ sign 0.002+/-0.000 χ²/NDF: 7179277.3/30
All: 0.002+/-0.000 χ²/NDF: 16265949.7/62
- sign 0.002+/-0.000 χ²/NDF: 8704176.1/31


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.008+/-0.015 χ²/NDF:17.6/14
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.014+/-0.015 χ²/NDF:11.1/12
+ sign 0.007+/-0.009 χ²/NDF: 37.1/30
All: 0.000+/-0.006 χ²/NDF: 62.1/62
- sign -0.006+/-0.008 χ²/NDF: 23.9/31

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645817.8/14

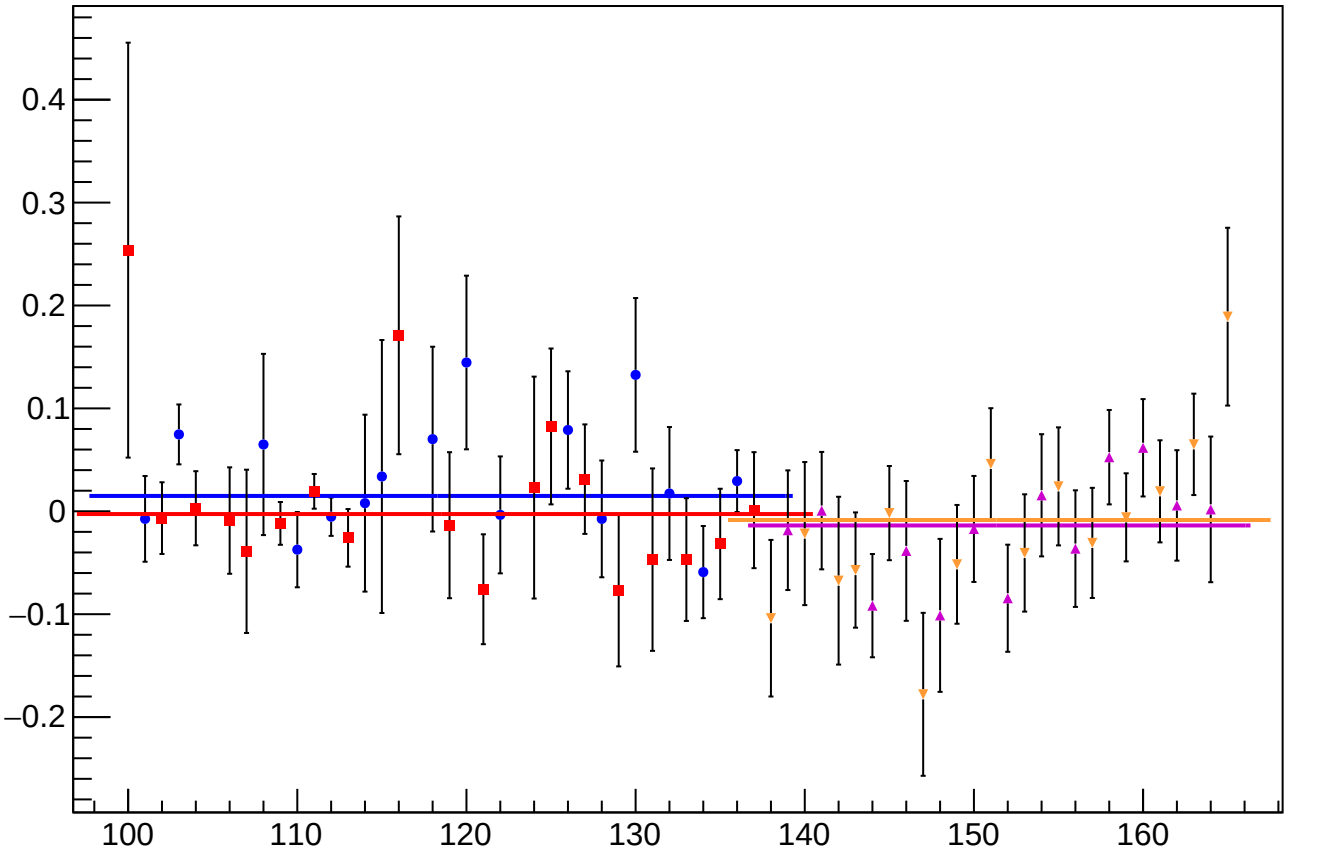
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 49.969+/-0.011 χ^2/NDF:302870.9/12

+ sign 33.063+/-0.006 χ^2/NDF: 6925215.9/30

All: 30.462+/-0.004 χ^2/NDF: 16534576.8/62

- sign 28.261+/-0.006 χ^2/NDF: 9272075.9/31



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.008+/-0.015 χ^2/NDF:17.6/14

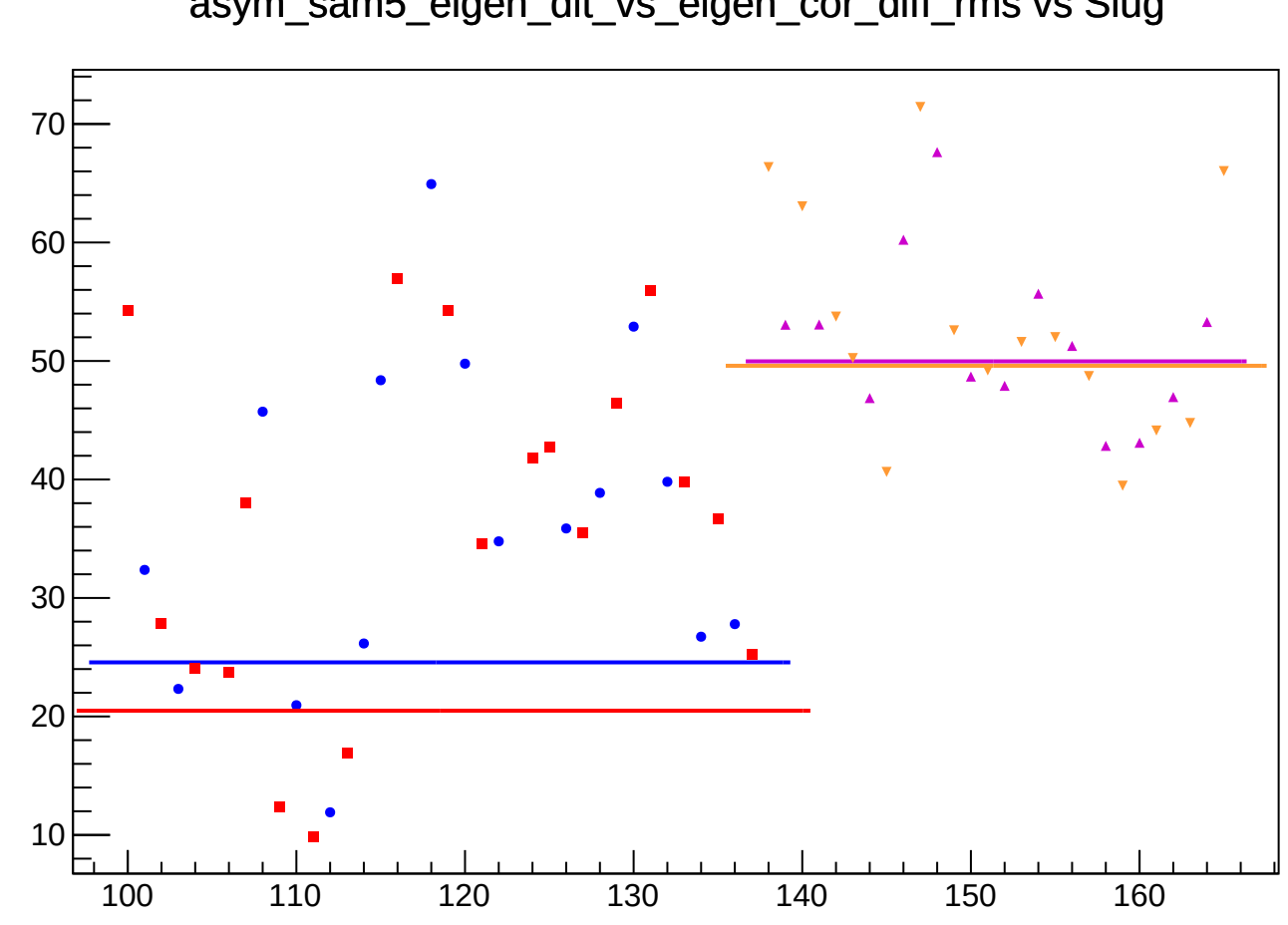
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.014+/-0.015 χ^2/NDF:11.1/12

+ sign 0.007+/-0.009 χ^2/NDF: 37.1/30

All: 0.000+/-0.006 χ^2/NDF: 62.1/62

- sign -0.006+/-0.008 χ^2/NDF: 23.9/31



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.595+/-0.010 χ^2/NDF:645817.8/14

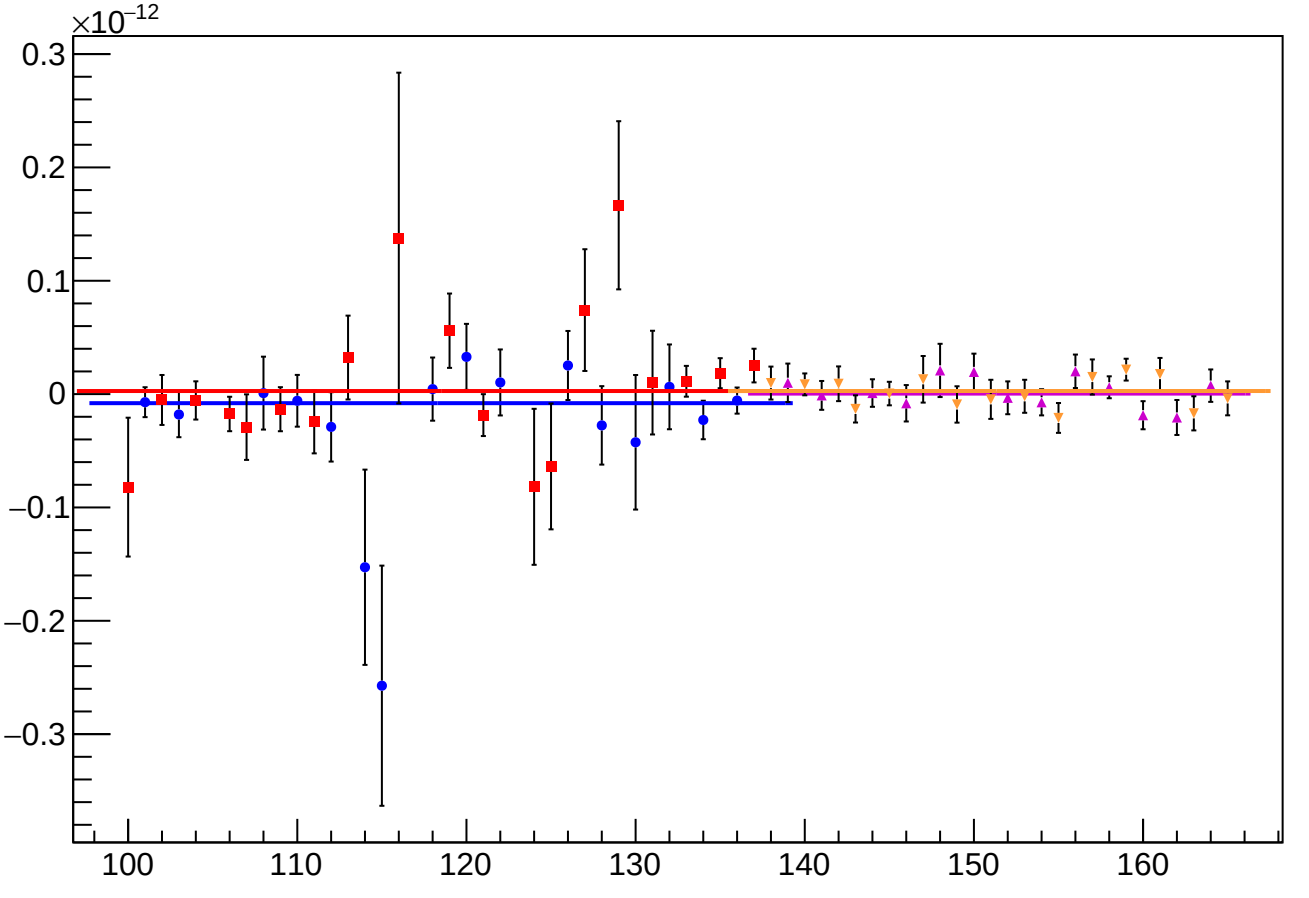
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 49.969+/-0.011 χ^2/NDF:302870.9/12

+ sign 33.063+/-0.006 χ^2/NDF: 6925215.9/30

All: 30.462+/-0.004 χ^2/NDF: 16534576.8/62

- sign 28.261+/-0.006 χ^2/NDF: 9272075.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

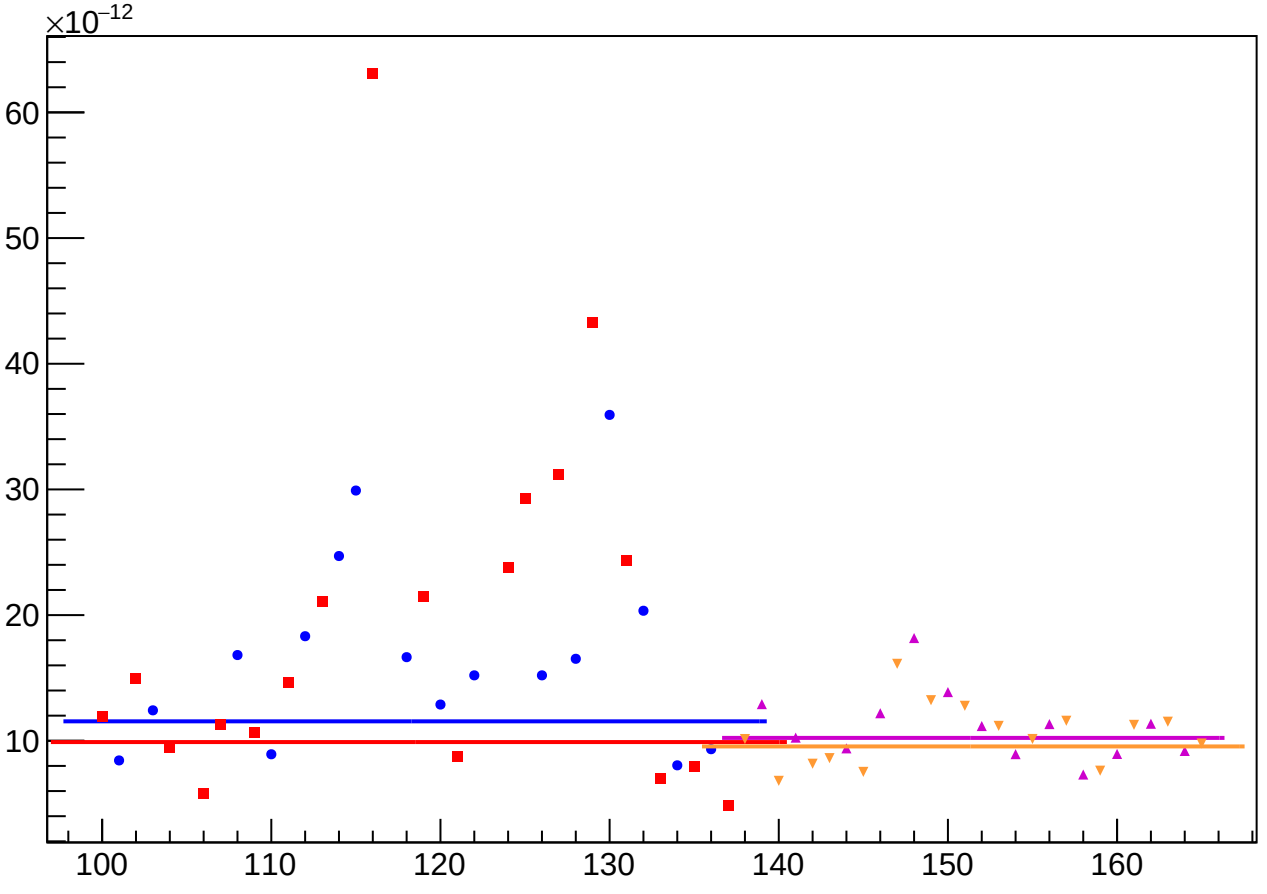
Left In: 0.000+/-0.000 χ^2/NDF:9.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.4/30

All: 0.000+/-0.000 χ^2/NDF: 67.6/62

- sign 0.000+/-0.000 χ^2/NDF: 36.1/31

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:856291.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

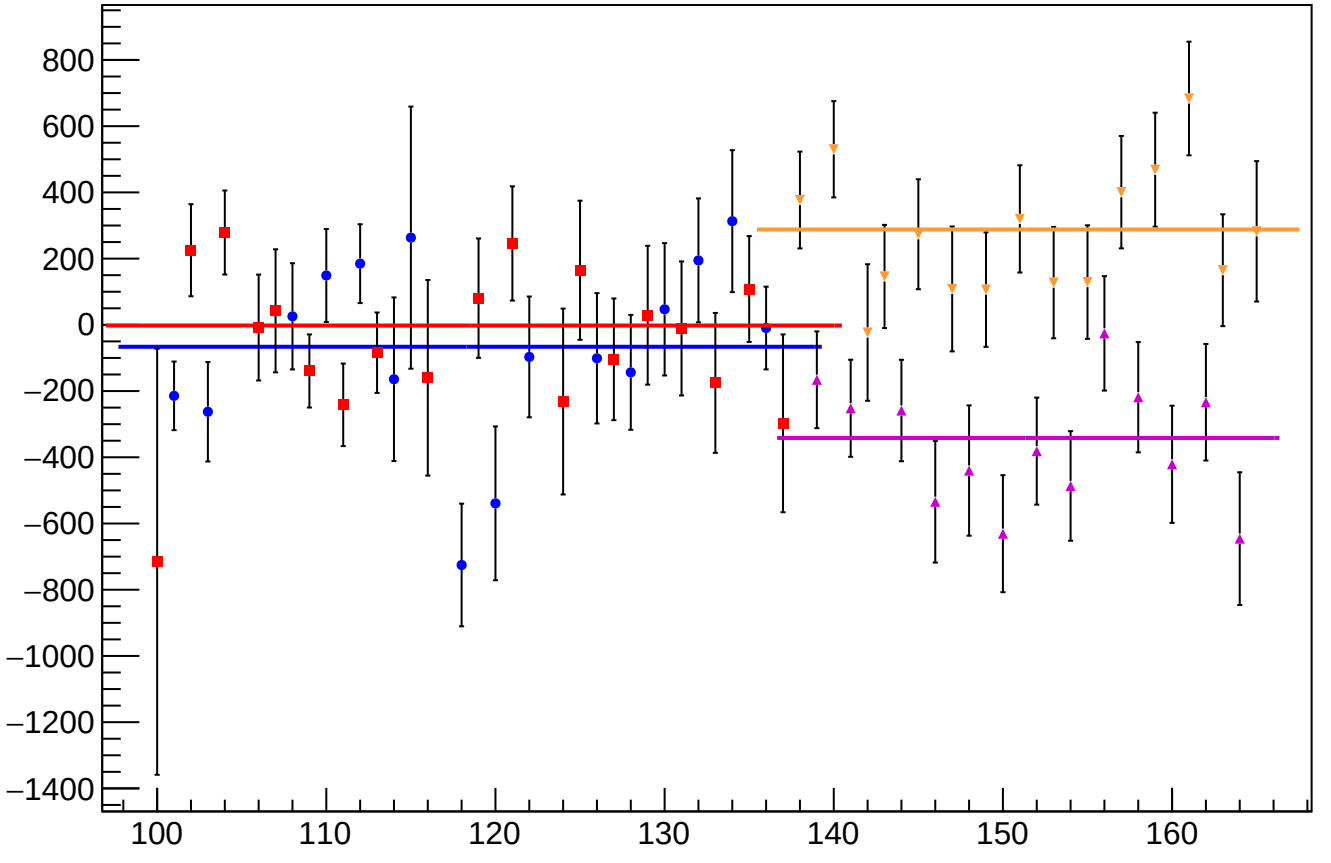
Left In: 0.000+/-0.000 χ^2/NDF:689270.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 2212831.6/30

All: 0.000+/-0.000 χ^2/NDF: 5543362.8/62

- sign 0.000+/-0.000 χ^2/NDF: 3330337.1/31

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 287.953+/-43.688 χ^2/NDF:17.5/14

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

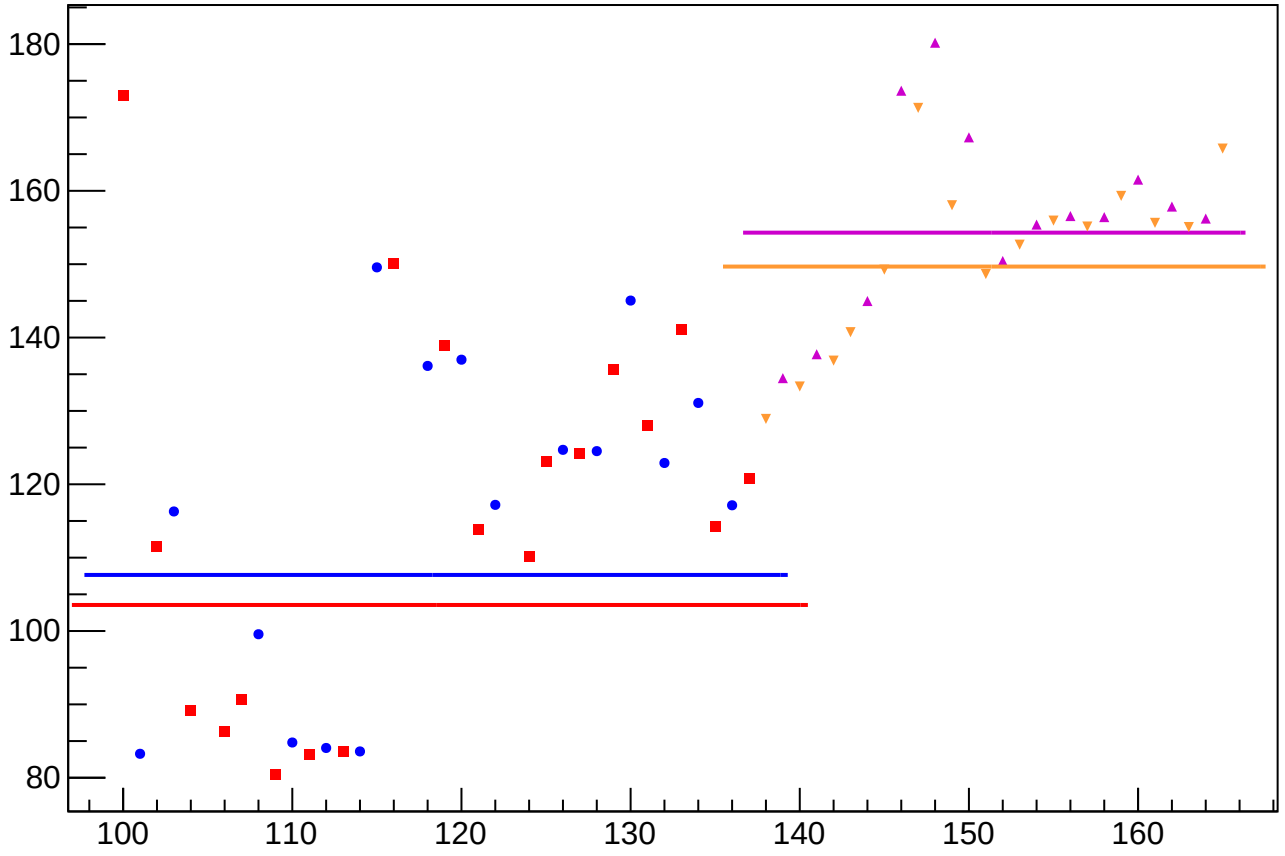
Left In: -341.647+/-46.781 χ^2/NDF:13.7/12

+ sign 99.362+/-29.872 χ^2/NDF: 86.9/30

All: -20.584+/-21.131 χ^2/NDF: 185.2/62

- sign -140.714+/-29.895 χ^2/NDF: 66.0/31

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 149.676+/-0.031 χ^2/NDF:138648.5/14

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

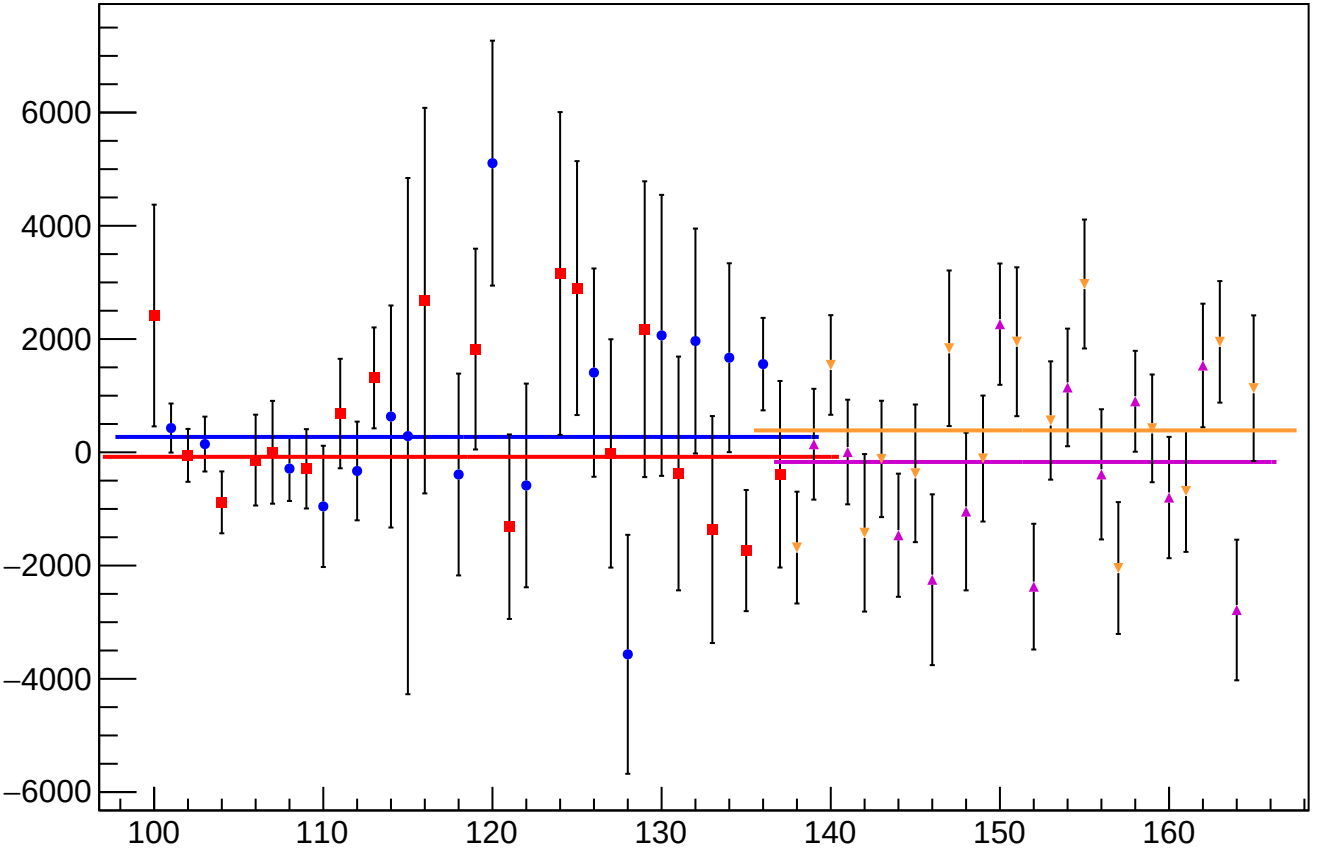
Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

+ sign 127.296+/-0.021 χ^2/NDF: 1657236.5/30

All: 125.786+/-0.015 χ^2/NDF: 3820993.7/62

- sign 124.275+/-0.021 χ^2/NDF: 2153538.4/31

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 386.675+/-285.749 χ^2/NDF:24.2/14

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

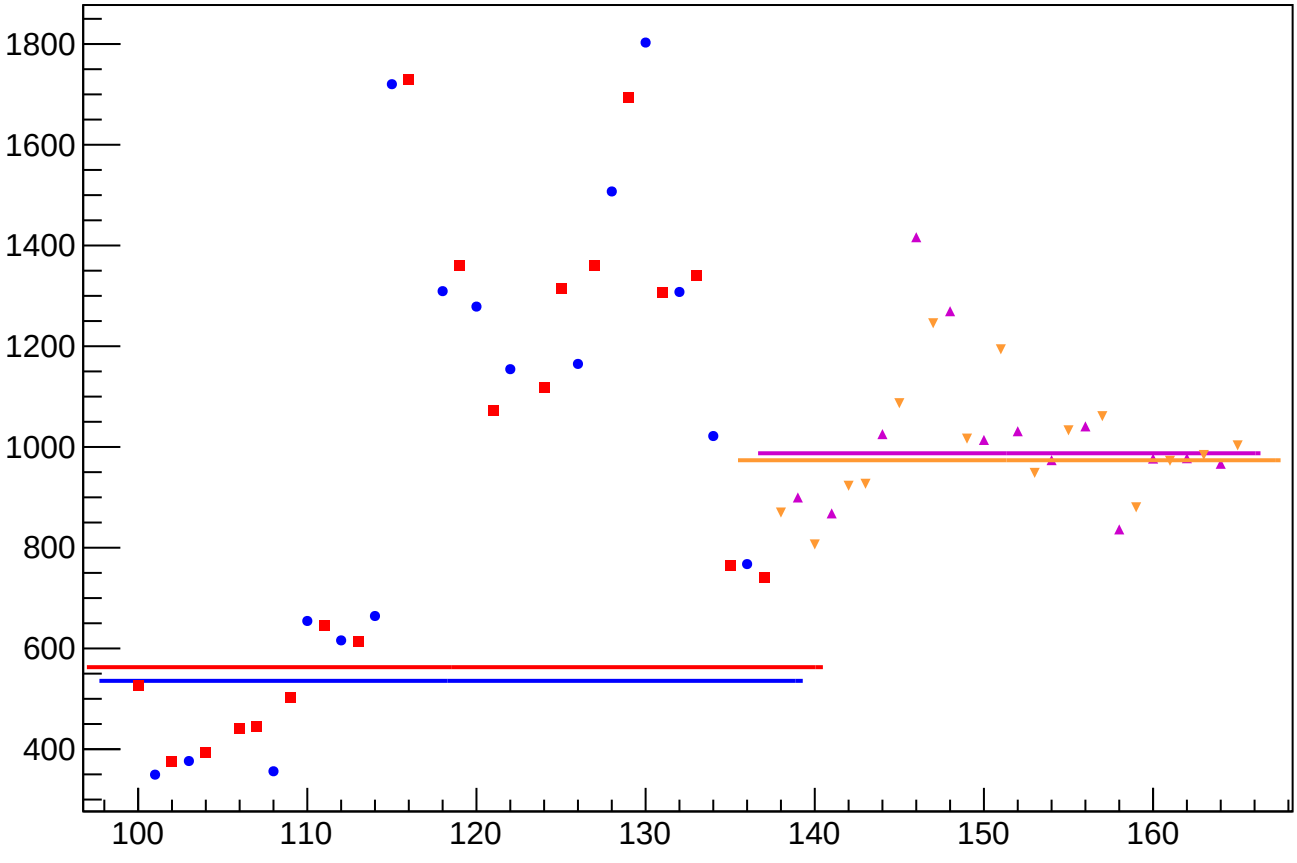
Left In: -170.429+/-301.468 χ^2/NDF:23.2/12

+ sign 316.943+/-179.483 χ^2/NDF: 40.7/30

All: 106.886+/-128.459 χ^2/NDF: 82.9/62

- sign -113.723+/-183.936 χ^2/NDF: 39.3/31

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 973.641+/-0.202 χ^2/NDF:294401.8/14

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

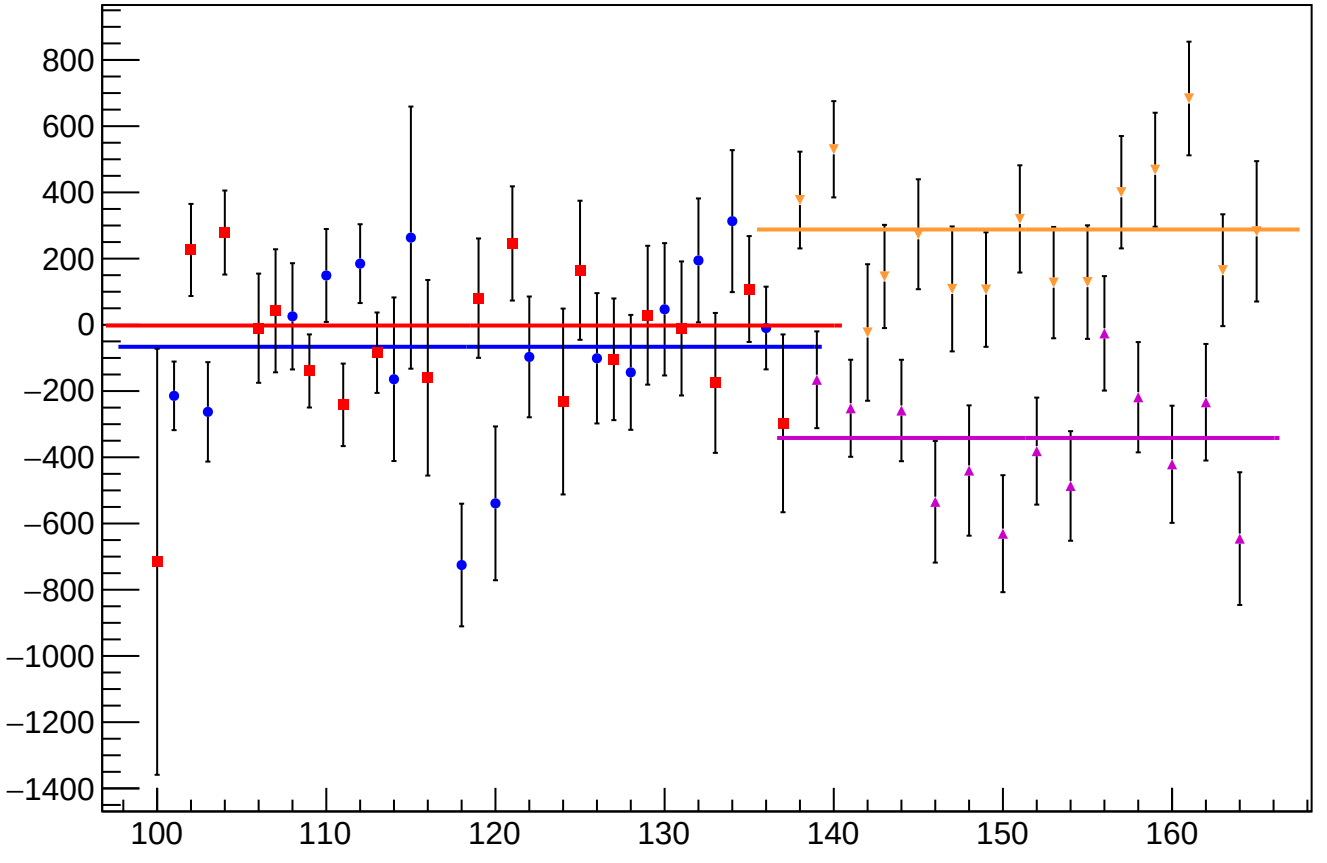
Left In: 987.503+/-0.213 χ^2/NDF:363258.2/12

+ sign 708.470+/-0.127 χ^2/NDF: 6771372.4/30

All: 714.547+/-0.091 χ^2/NDF: 12741532.7/62

- sign 720.929+/-0.130 χ^2/NDF: 5965459.8/31

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 287.949+/-43.688 χ^2/NDF:17.5/14

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

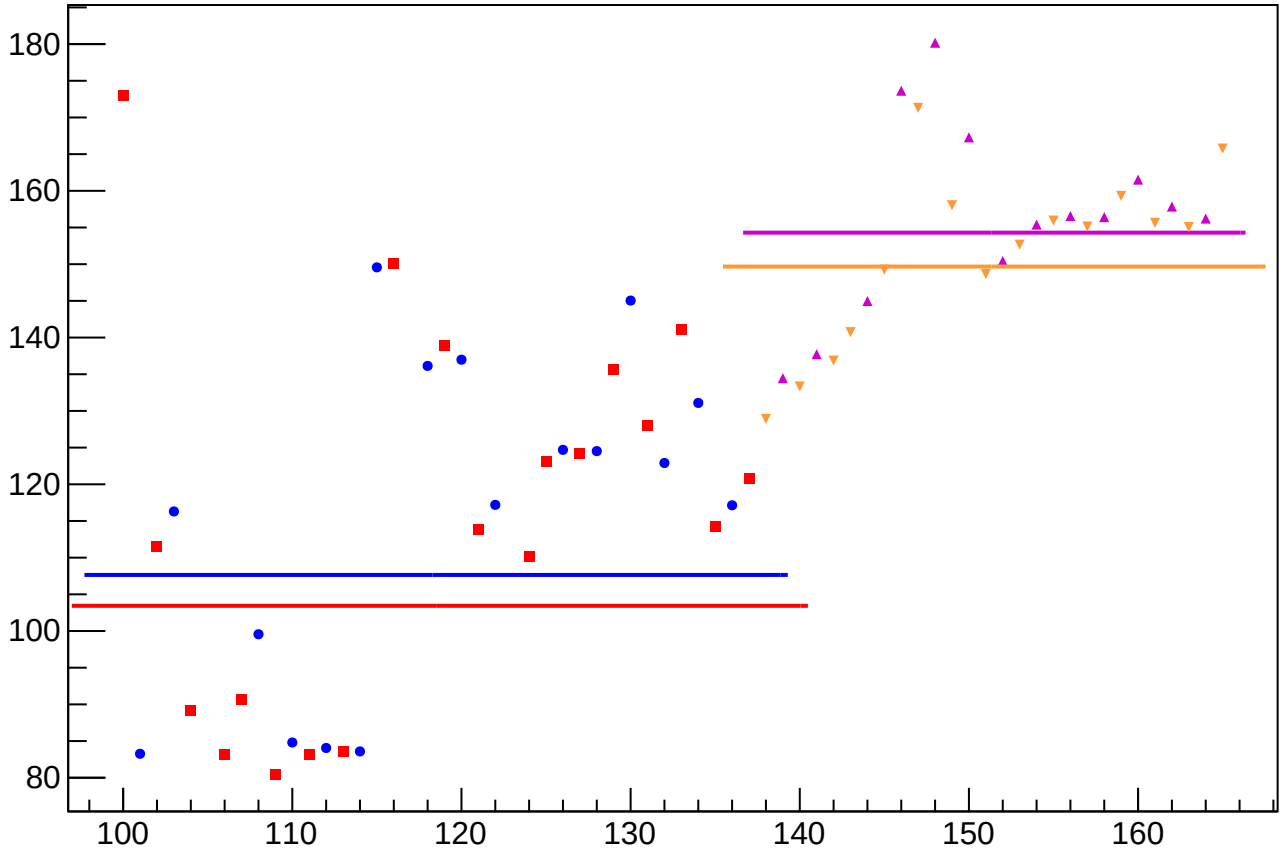
Left In: -341.651+/-46.781 χ^2/NDF:13.7/12

+ sign 99.346+/-29.872 χ^2/NDF: 86.9/30

All: -20.626+/-21.142 χ^2/NDF: 185.2/62

- sign -141.039+/-29.927 χ^2/NDF: 66.0/31

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 149.676+/-0.031 χ^2/NDF:138648.5/14

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

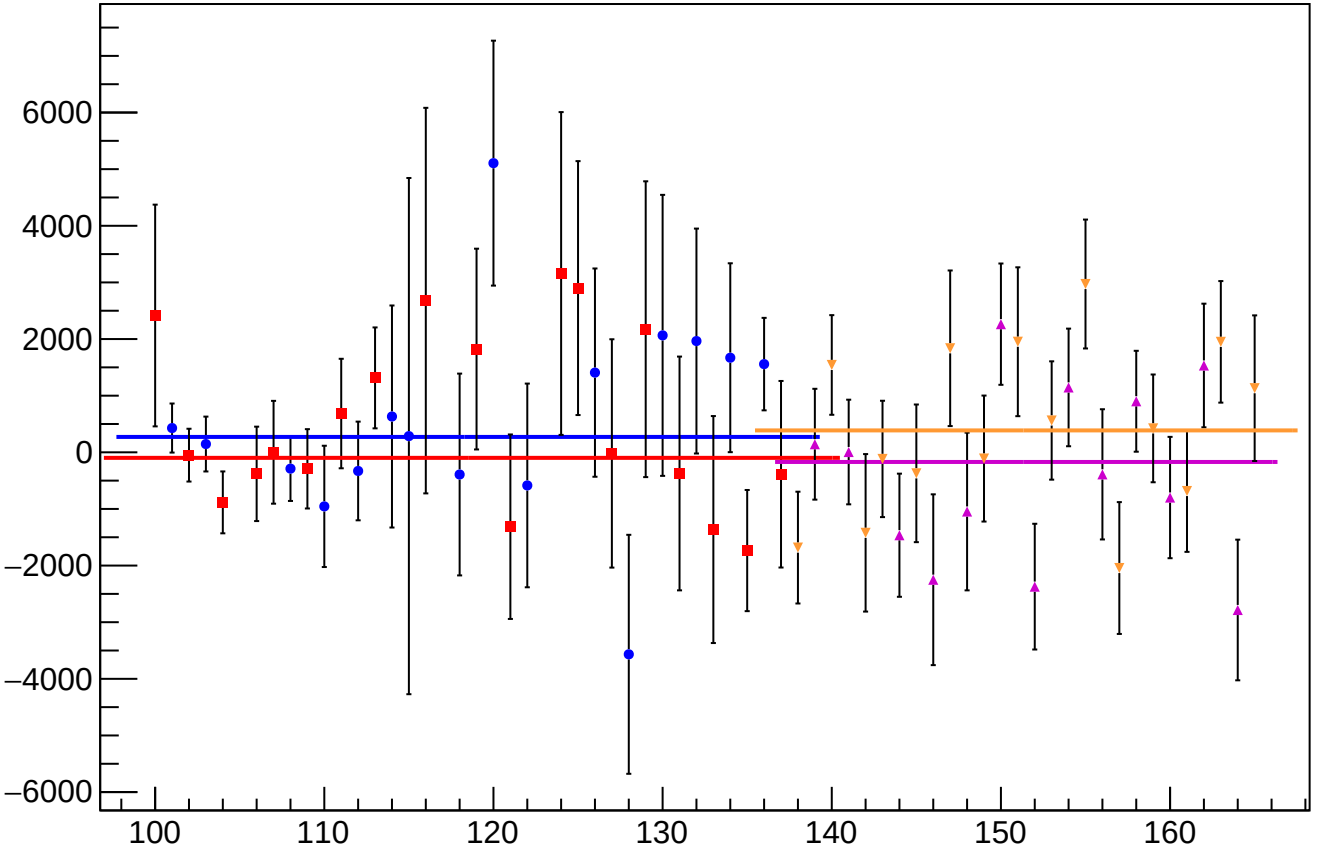
Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

+ sign 127.296+/-0.021 χ^2/NDF: 1657234.9/30

All: 125.777+/-0.015 χ^2/NDF: 3832631.2/62

- sign 124.253+/-0.021 χ^2/NDF: 2165039.2/31

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 386.679+/-285.750 χ^2/NDF:24.2/14

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

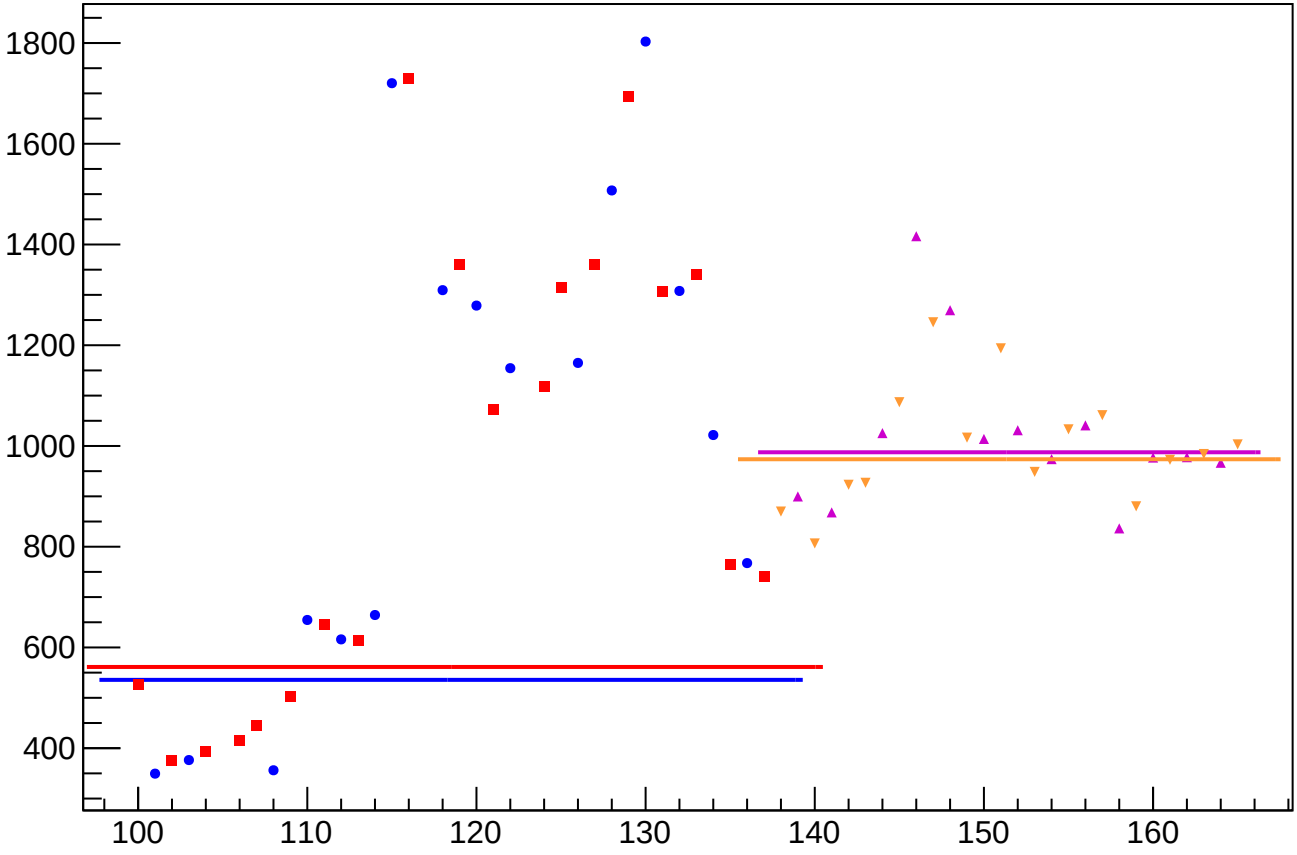
Left In: -170.429+/-301.468 χ^2/NDF:23.2/12

+ sign 317.027+/-179.480 χ^2/NDF: 40.7/30

All: 101.826+/-128.564 χ^2/NDF: 83.1/62

- sign -124.958+/-184.247 χ^2/NDF: 39.4/31

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 973.642+/-0.202 χ^2/NDF:294402.2/14

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

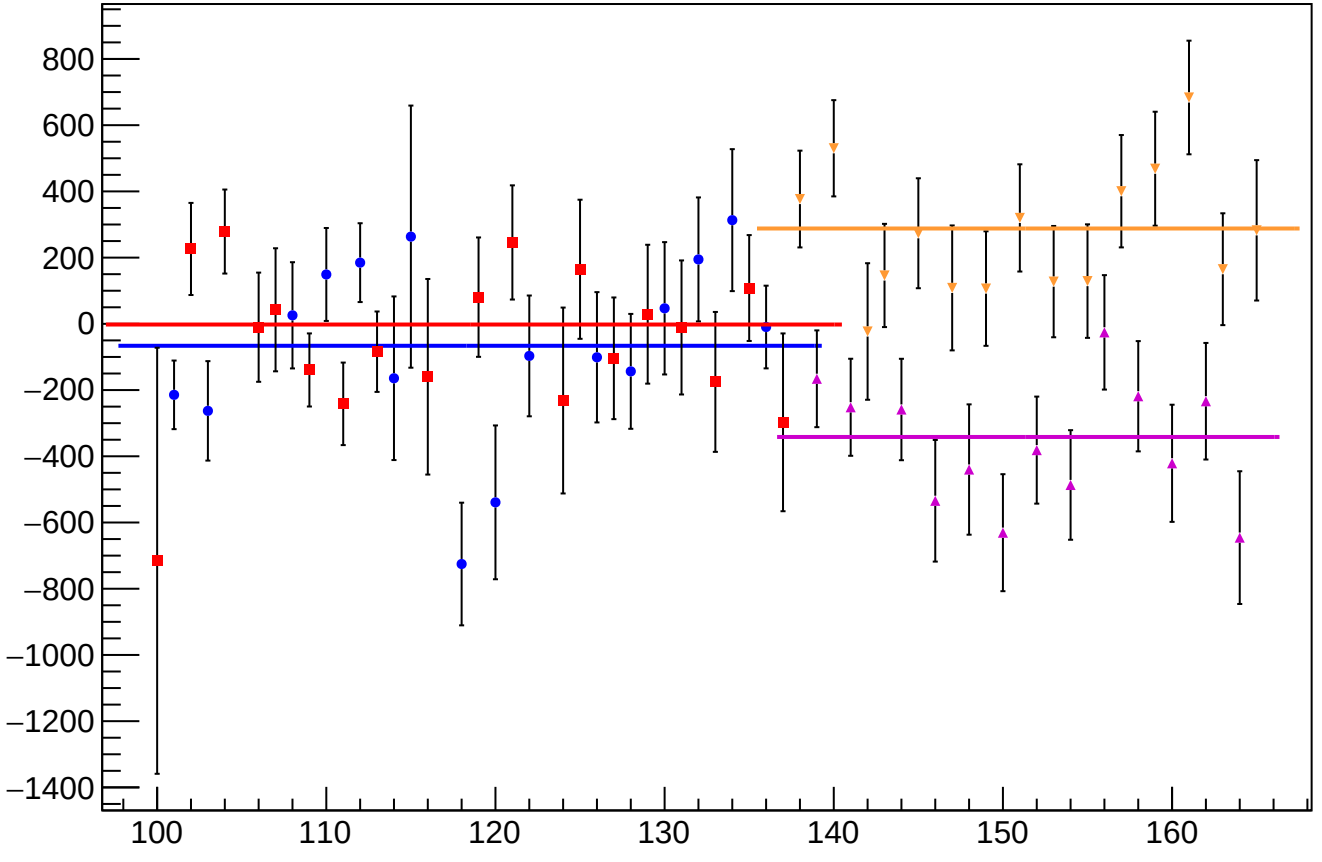
Left In: 987.503+/-0.213 χ^2/NDF:363257.5/12

+ sign 708.450+/-0.127 χ^2/NDF: 6771927.8/30

All: 714.306+/-0.091 χ^2/NDF: 12774968.9/62

- sign 720.477+/-0.130 χ^2/NDF: 5998668.2/31

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 287.949+/-43.688 χ^2/NDF:17.5/14

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

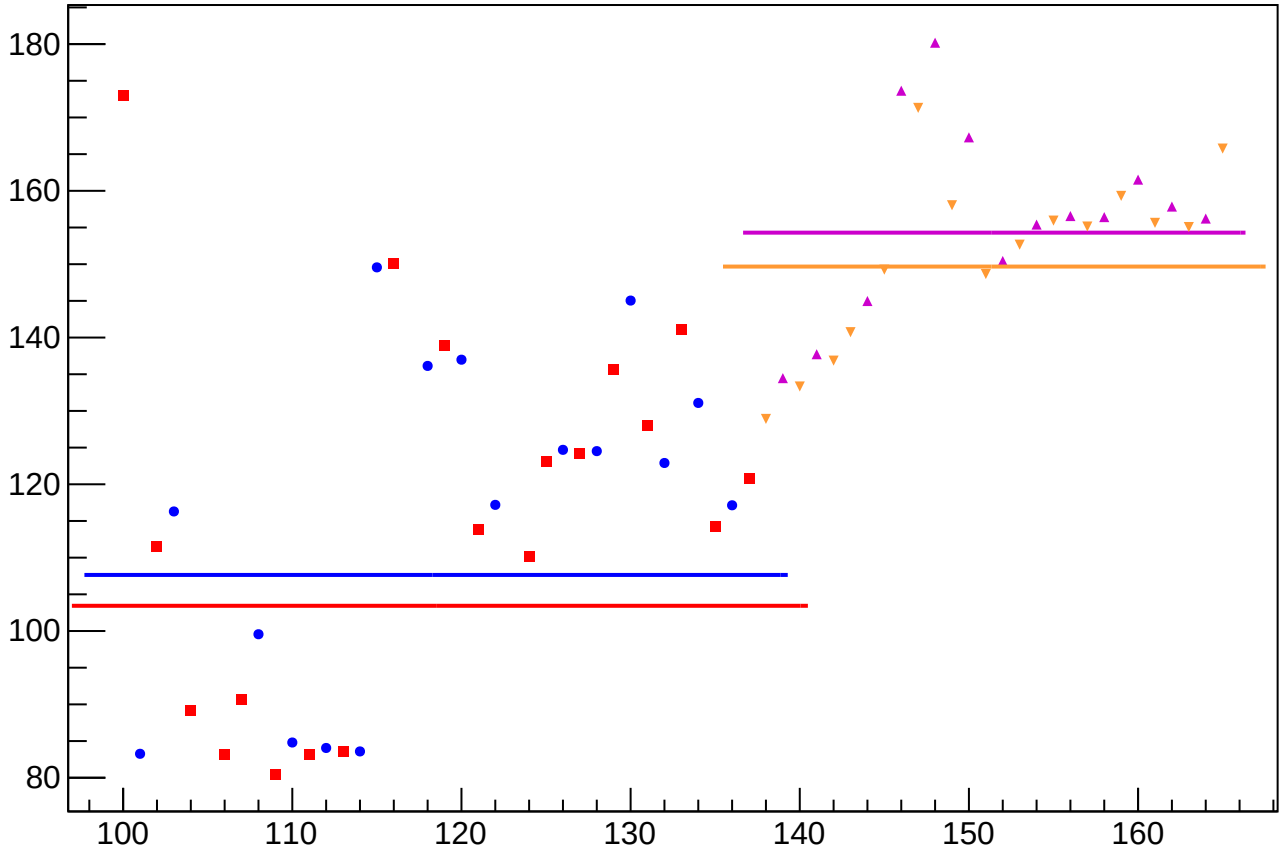
Left In: -341.651+/-46.781 χ^2/NDF:13.7/12

+ sign 99.346+/-29.872 χ^2/NDF: 86.9/30

All: -20.626+/-21.142 χ^2/NDF: 185.2/62

- sign -141.039+/-29.927 χ^2/NDF: 66.0/31

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 149.676+/-0.031 χ^2/NDF:138648.5/14

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

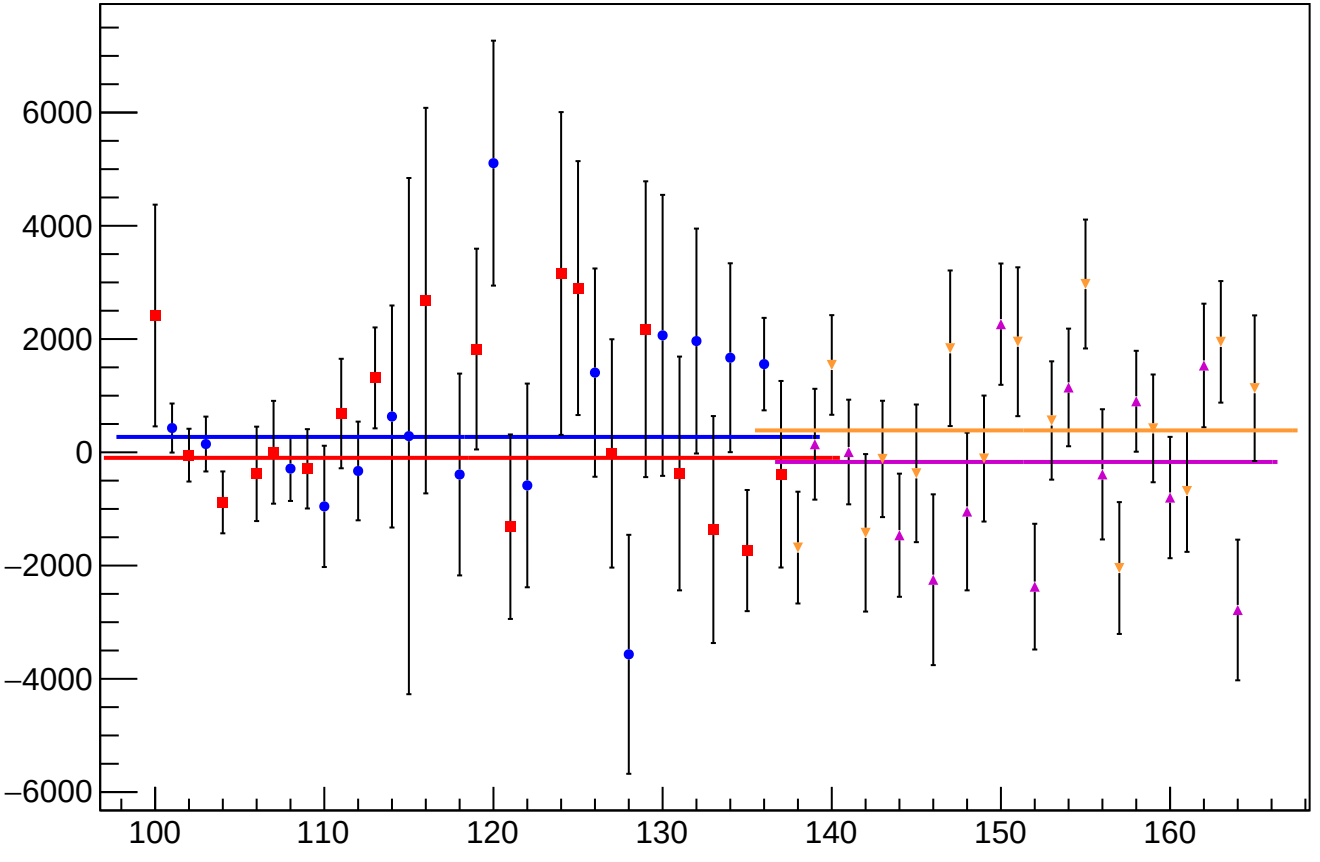
Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

+ sign 127.296+/-0.021 χ^2/NDF: 1657234.9/30

All: 125.777+/-0.015 χ^2/NDF: 3832631.2/62

- sign 124.253+/-0.021 χ^2/NDF: 2165039.2/31

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 386.679+/-285.750 χ^2/NDF:24.2/14

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

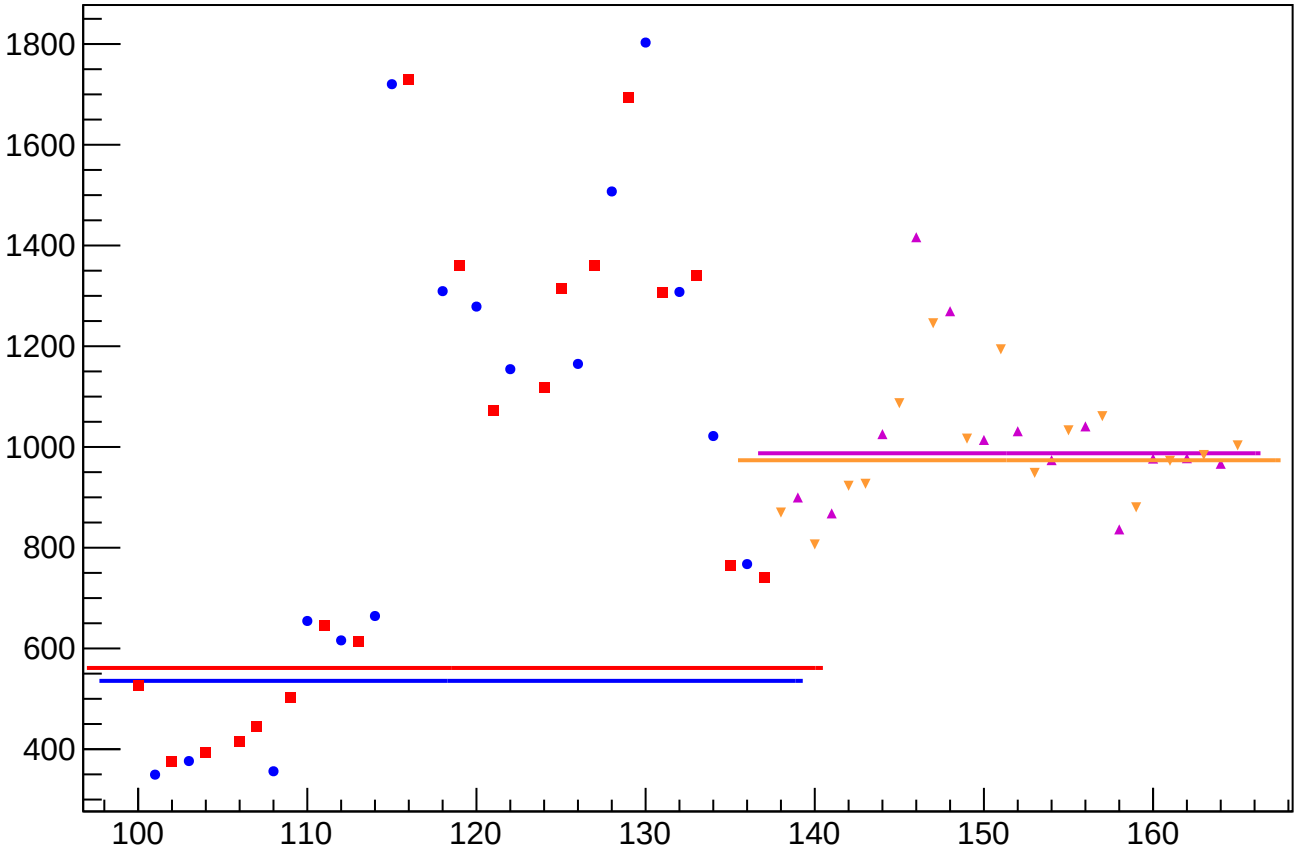
Left In: -170.429+/-301.468 χ^2/NDF:23.2/12

+ sign 317.027+/-179.480 χ^2/NDF: 40.7/30

All: 101.826+/-128.564 χ^2/NDF: 83.1/62

- sign -124.958+/-184.247 χ^2/NDF: 39.4/31

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 973.642+/-0.202 χ^2/NDF:294402.2/14

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

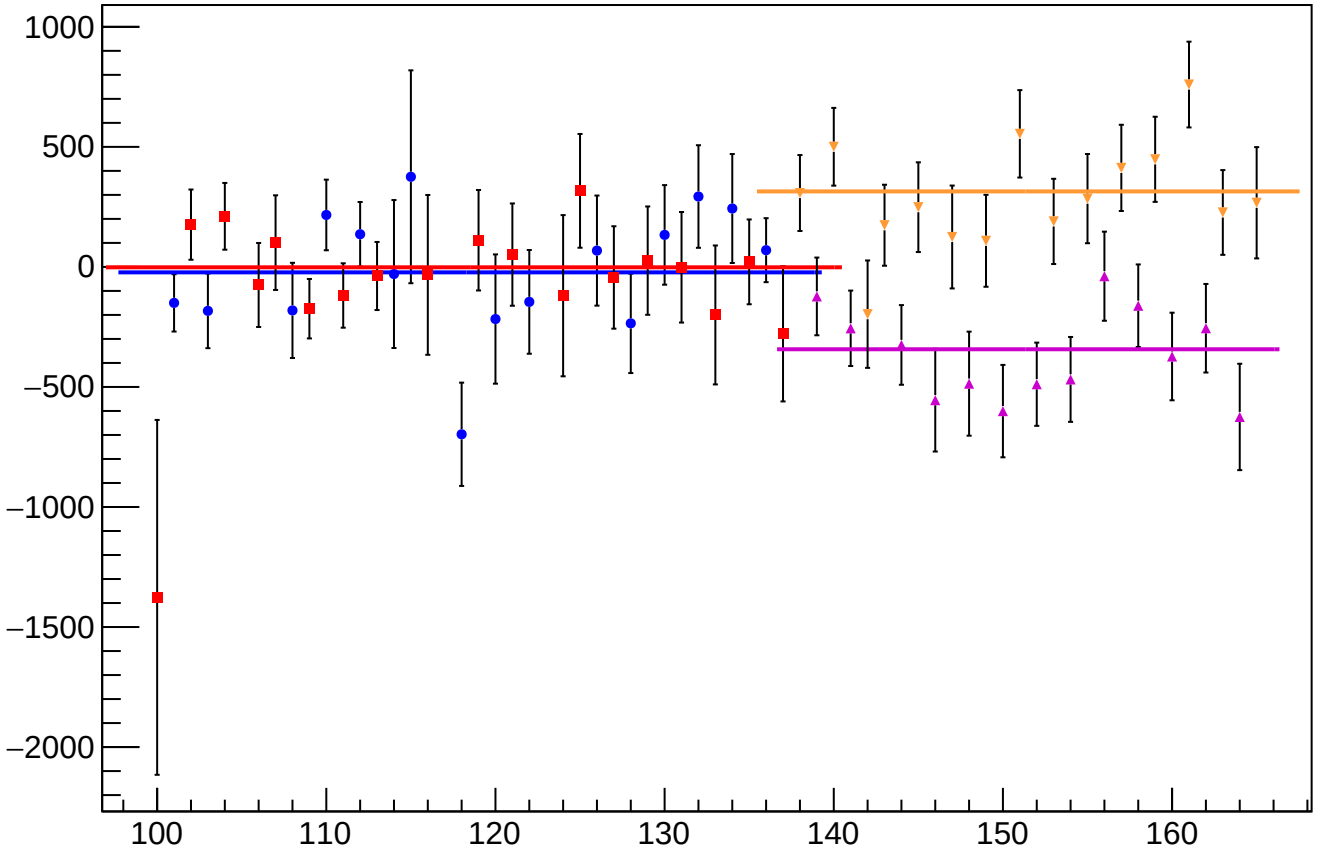
Left In: 987.503+/-0.213 χ^2/NDF:363257.5/12

+ sign 708.450+/-0.127 χ^2/NDF: 6771927.8/30

All: 714.306+/-0.091 χ^2/NDF: 12774968.9/62

- sign 720.477+/-0.130 χ^2/NDF: 5998668.2/31

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.478+/-47.316 χ^2/NDF:18.9/14

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

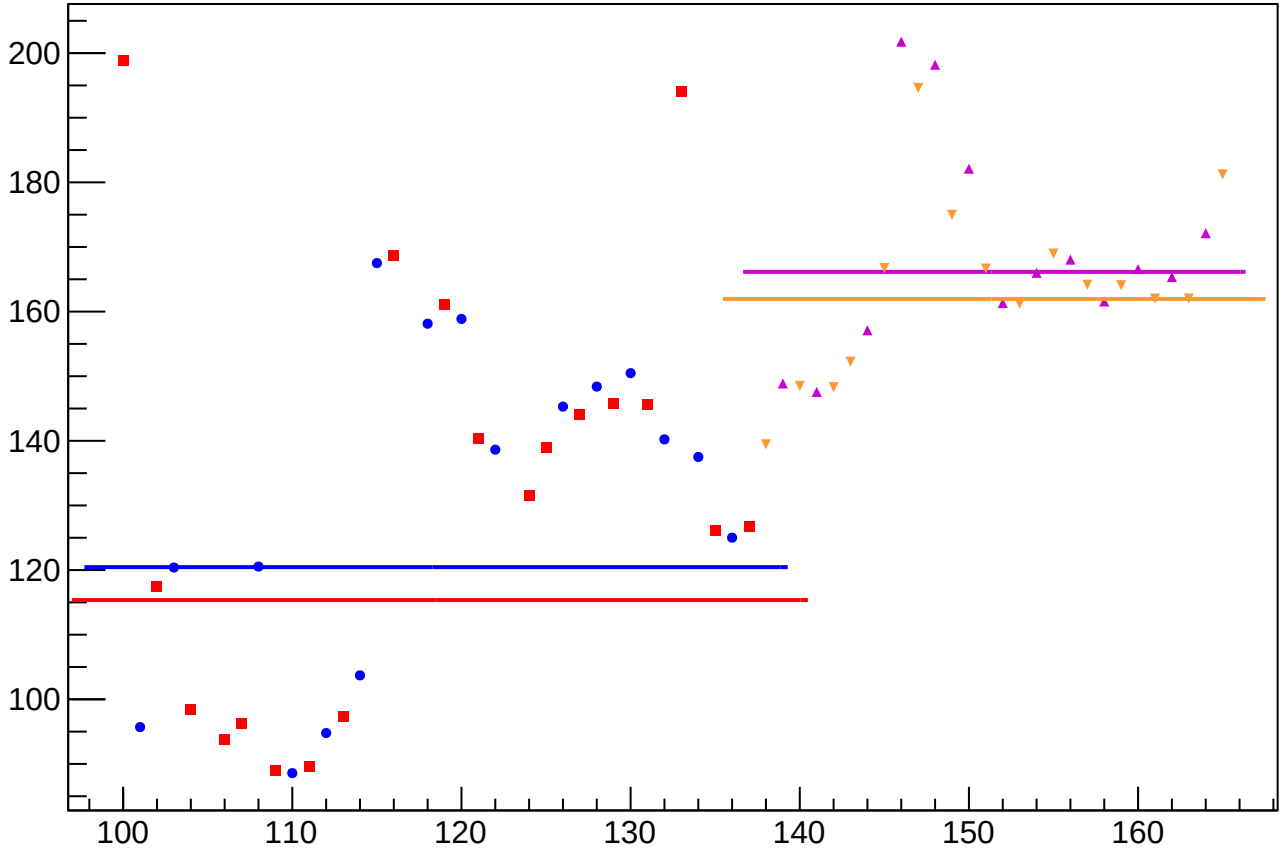
Left In: -343.010+/-50.438 χ^2/NDF:12.3/12

+ sign 140.809+/-32.949 χ^2/NDF: 69.3/30

All: -3.242+/-23.305 χ^2/NDF: 160.3/62

- sign -147.468+/-32.969 χ^2/NDF: 52.8/31

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 161.953+/-0.033 χ^2/NDF:144007.1/14

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

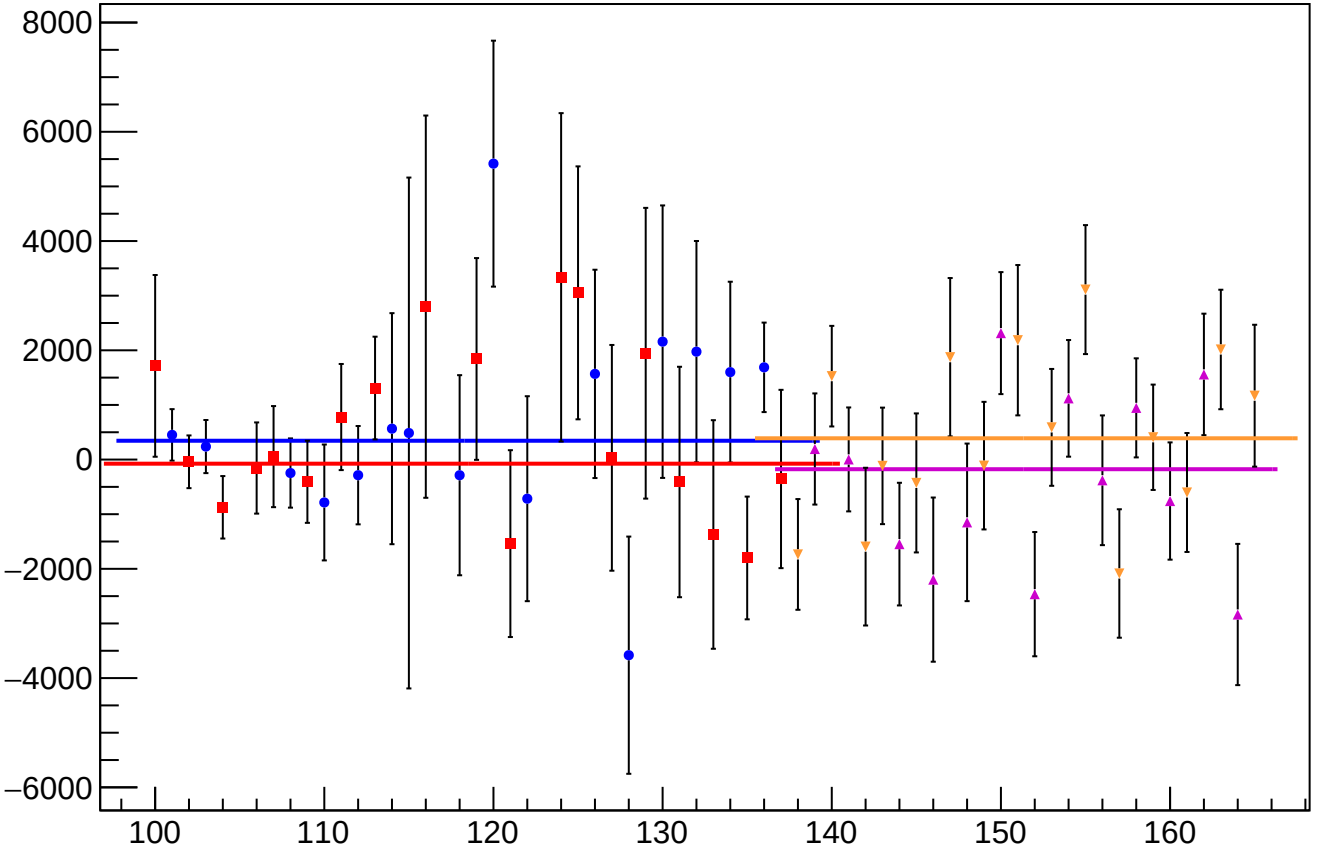
Left In: 166.149+/-0.036 χ^2/NDF:174264.1/12

+ sign 140.579+/-0.023 χ^2/NDF: 1466636.3/30

All: 138.820+/-0.016 χ^2/NDF: 3581182.9/62

- sign 137.058+/-0.023 χ^2/NDF: 2103132.6/31

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 389.497+/-294.489 χ^2/NDF:24.6/14

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

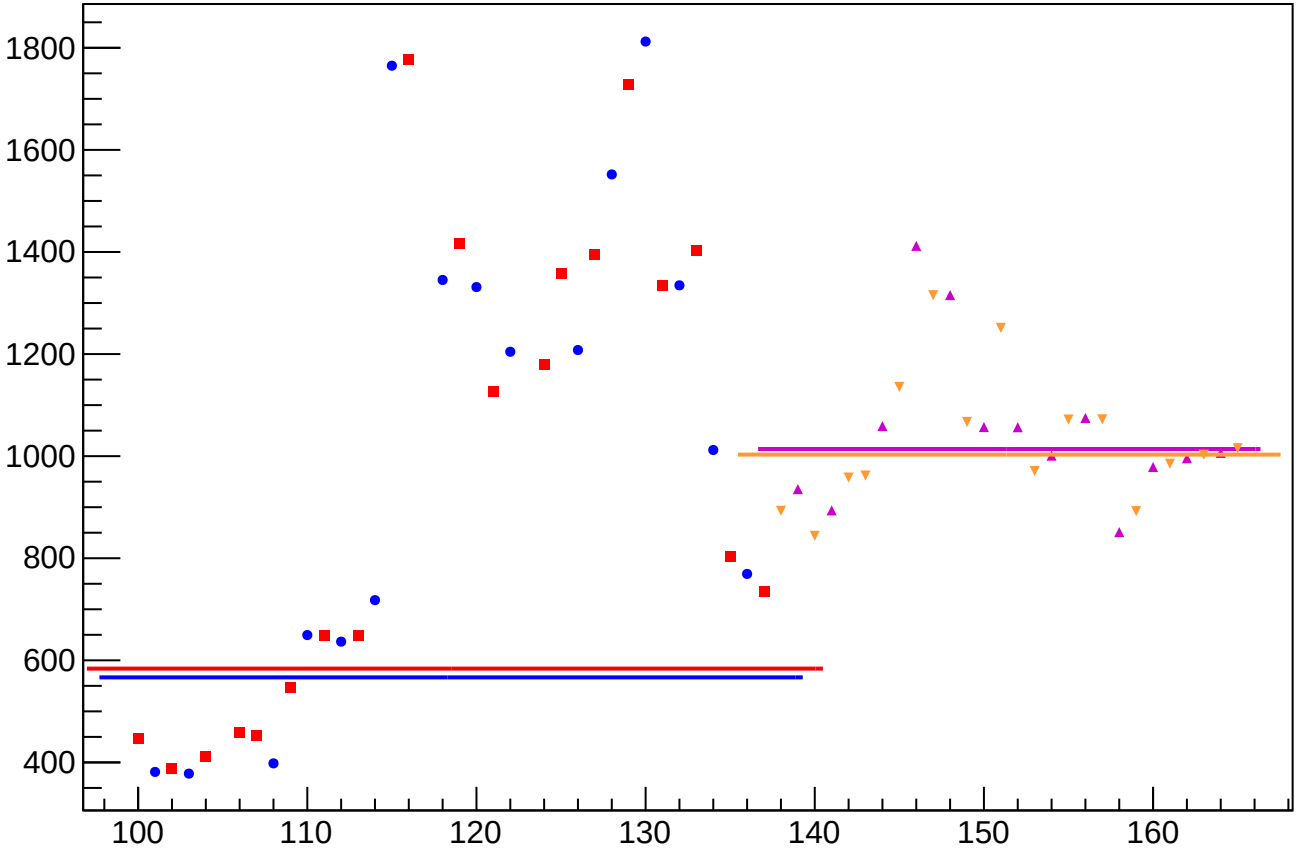
Left In: -176.509+/-309.472 χ^2/NDF:22.9/12

+ sign 362.558+/-186.753 χ^2/NDF: 40.8/30

All: 128.498+/-133.149 χ^2/NDF: 82.3/62

- sign -113.488+/-189.889 χ^2/NDF: 38.3/31

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1003.071+/-0.208 χ^2/NDF:316633.8/14

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

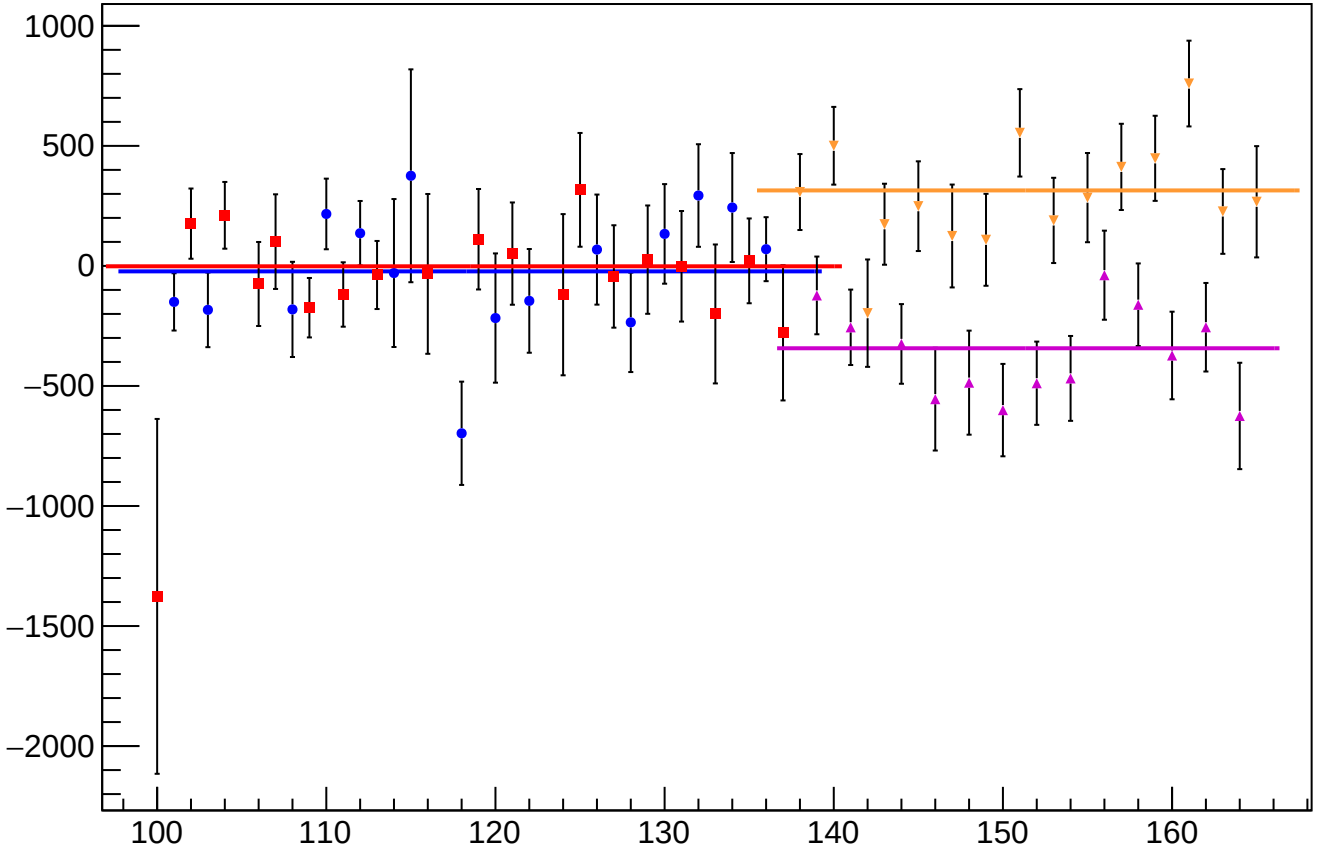
Left In: 1013.992+/-0.219 χ^2/NDF:353374.6/12

+ sign 742.132+/-0.132 χ^2/NDF: 6375607.6/30

All: 743.916+/-0.094 χ^2/NDF: 12246590.4/62

- sign 745.760+/-0.134 χ^2/NDF: 5870611.8/31

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 314.479+/-47.316 χ^2/NDF:18.9/14

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

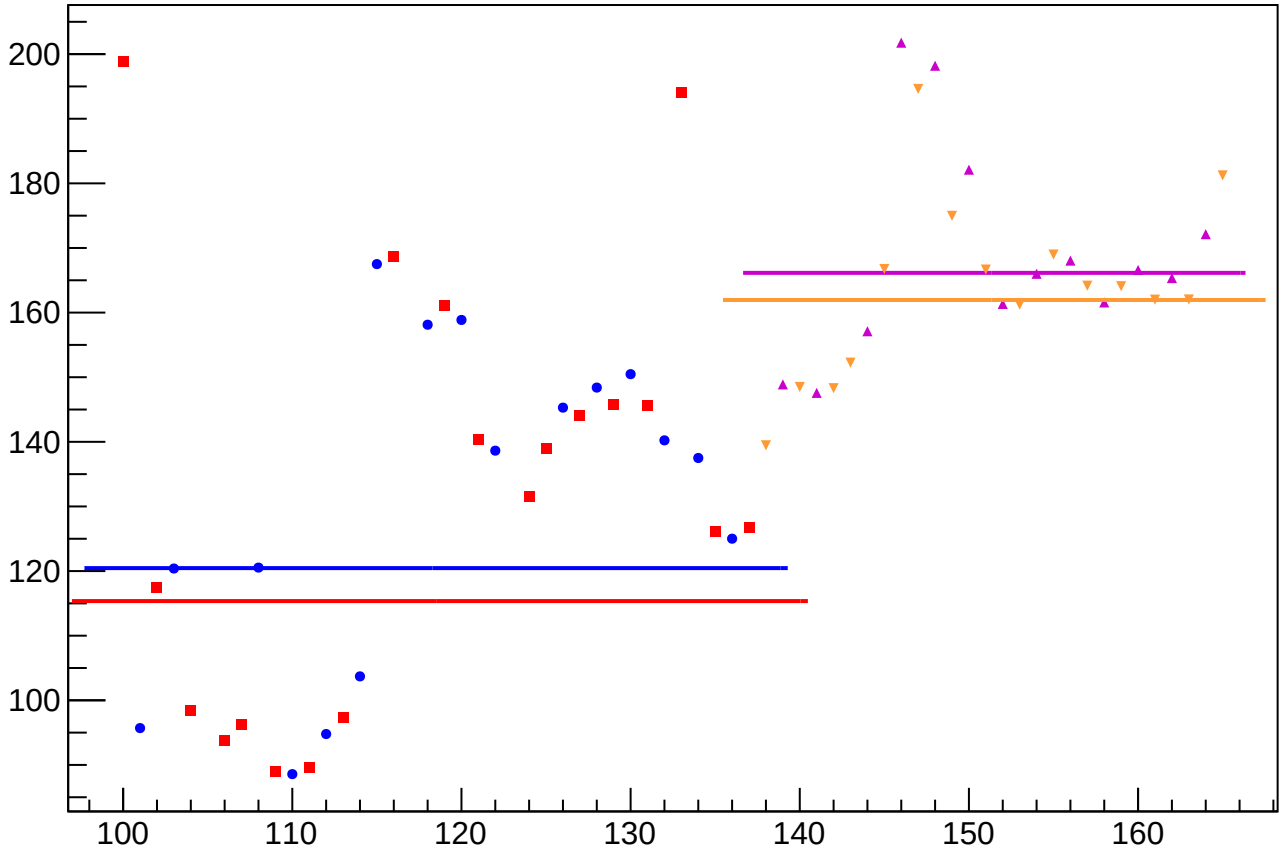
Left In: -343.010+/-50.438 χ^2/NDF:12.3/12

+ sign 140.808+/-32.949 χ^2/NDF: 69.3/30

All: -3.243+/-23.305 χ^2/NDF: 160.3/62

- sign -147.469+/-32.968 χ^2/NDF: 52.8/31

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 161.953+/-0.033 χ^2/NDF:144006.2/14

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

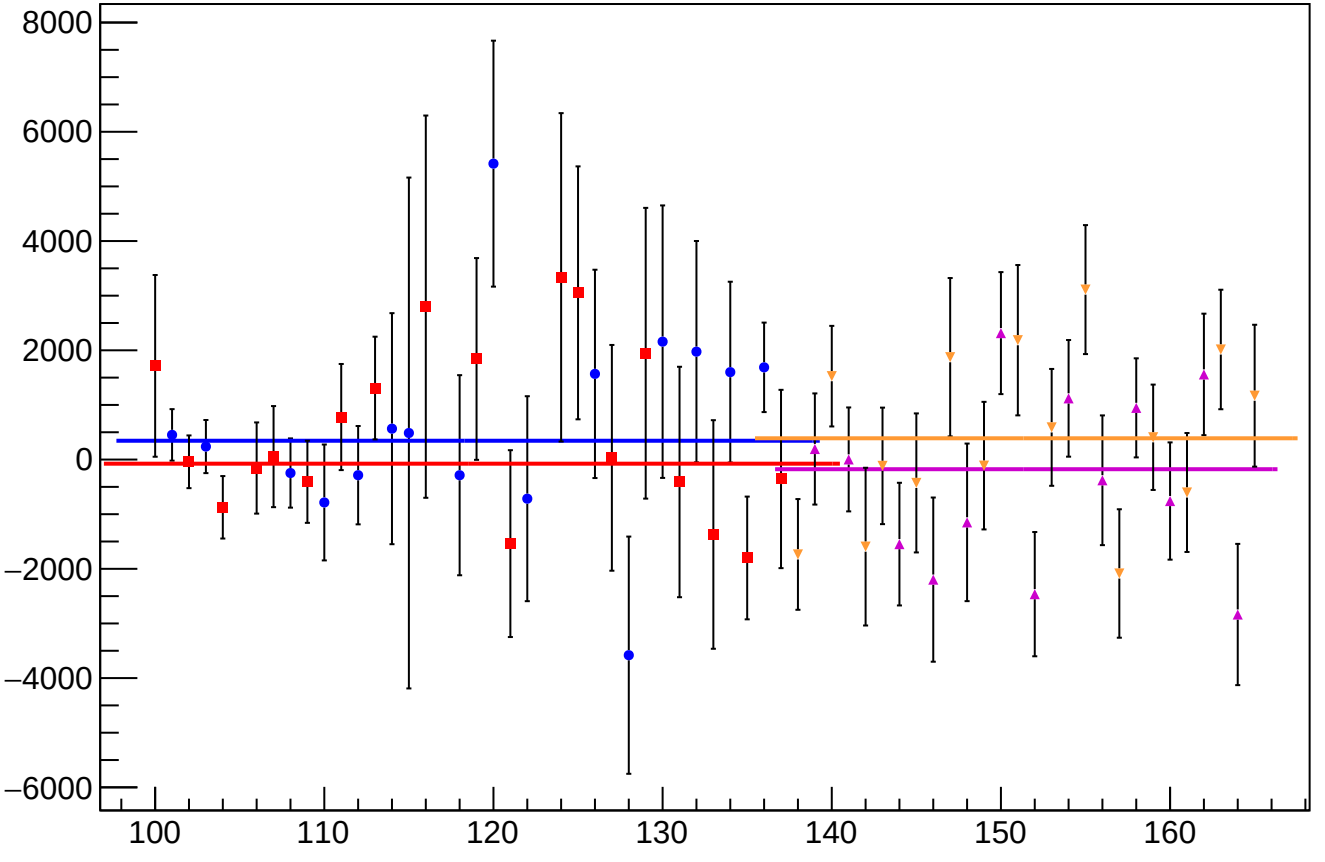
Left In: 166.149+/-0.036 χ^2/NDF:174264.6/12

+ sign 140.579+/-0.023 χ^2/NDF: 1466643.4/30

All: 138.819+/-0.016 χ^2/NDF: 3581193.5/62

- sign 137.058+/-0.023 χ^2/NDF: 2103136.5/31

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 389.497+/-294.489 χ^2/NDF:24.6/14

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

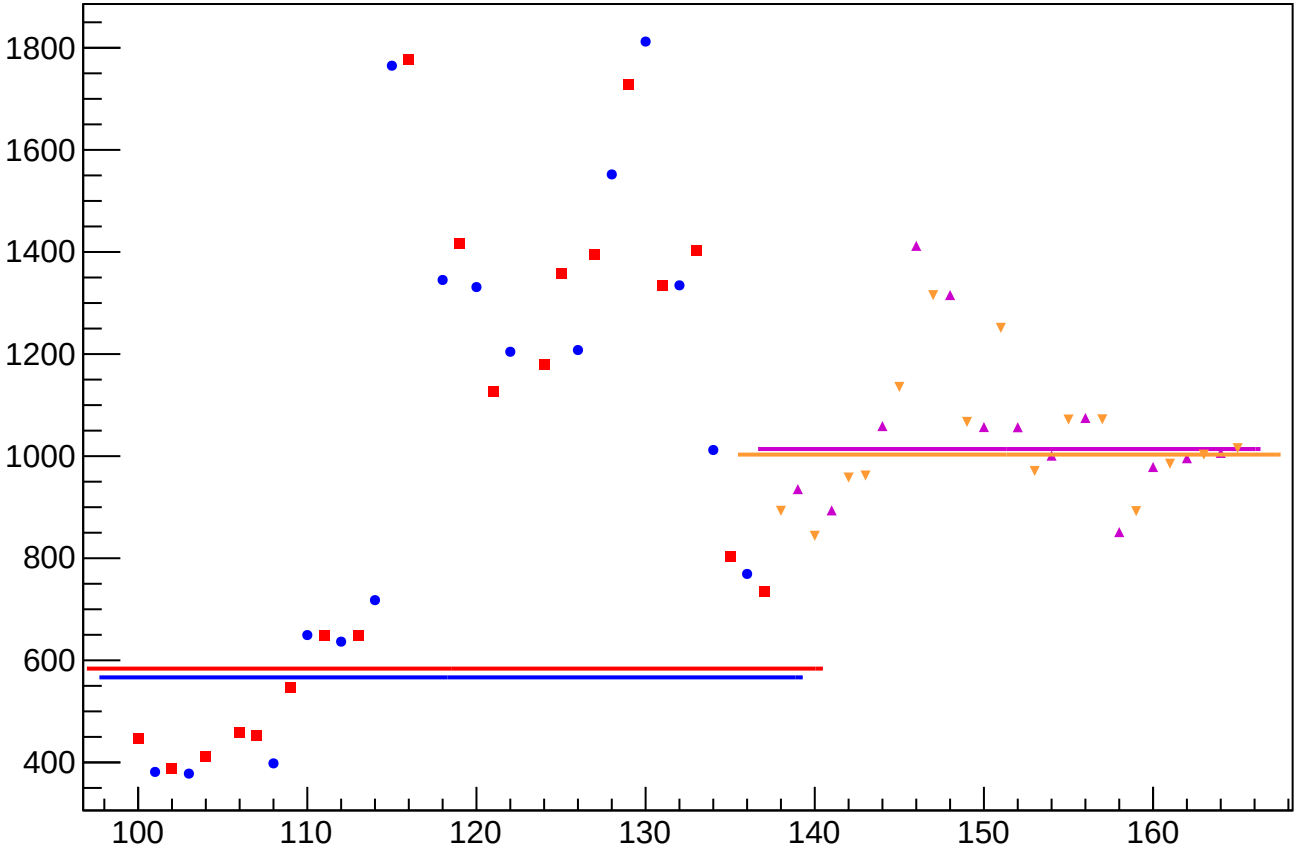
Left In: -176.509+/-309.472 χ^2/NDF:22.9/12

+ sign 362.558+/-186.753 χ^2/NDF: 40.8/30

All: 128.498+/-133.149 χ^2/NDF: 82.3/62

- sign -113.489+/-189.888 χ^2/NDF: 38.3/31

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1003.071+/-0.208 χ^2/NDF:316636.2/14

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

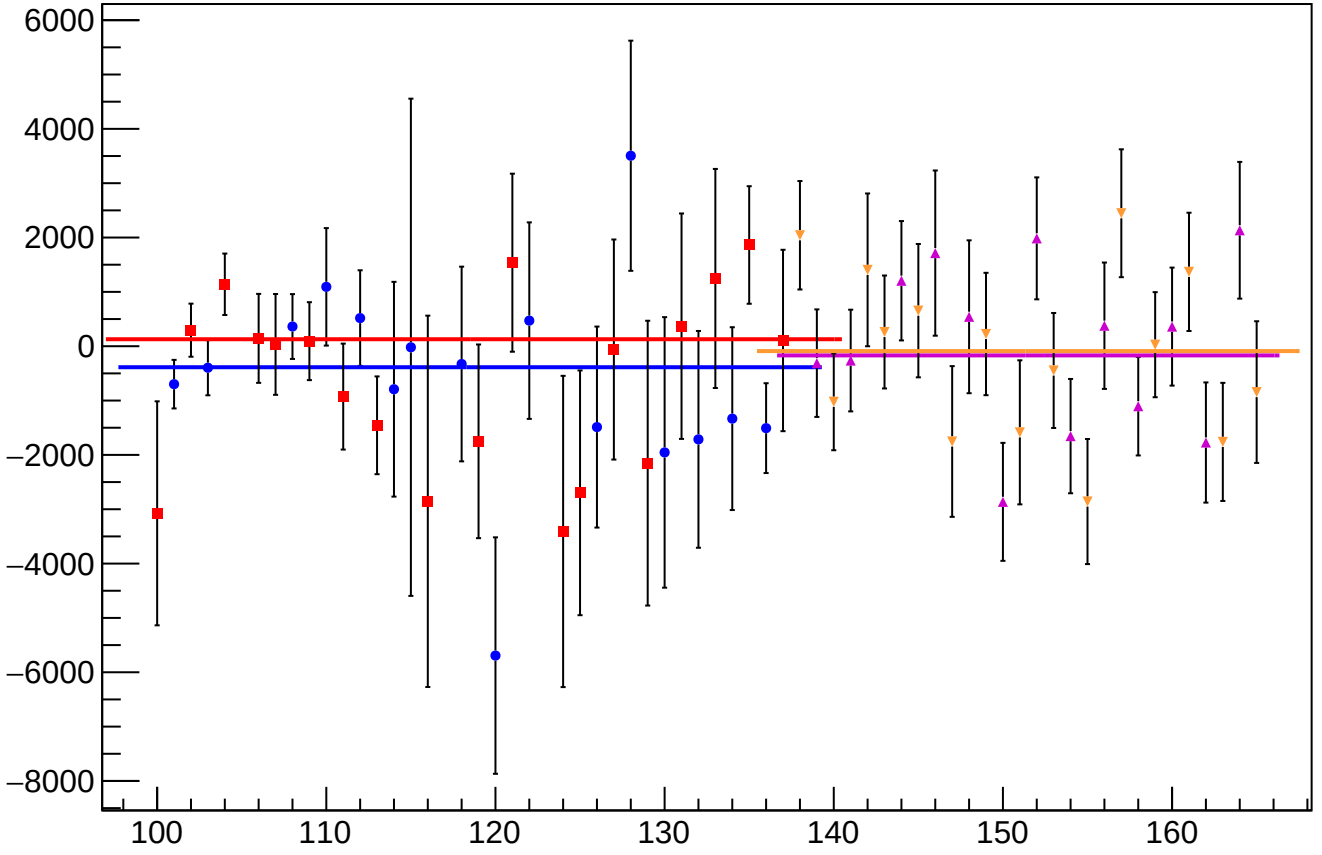
Left In: 1013.992+/-0.219 χ^2/NDF:353377.4/12

+ sign 742.132+/-0.132 χ^2/NDF: 6375625.1/30

All: 743.915+/-0.094 χ^2/NDF: 12246615.7/62

- sign 745.759+/-0.134 χ^2/NDF: 5870619.6/31

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -89.798+/-289.217 χ^2/NDF:25.1/14

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

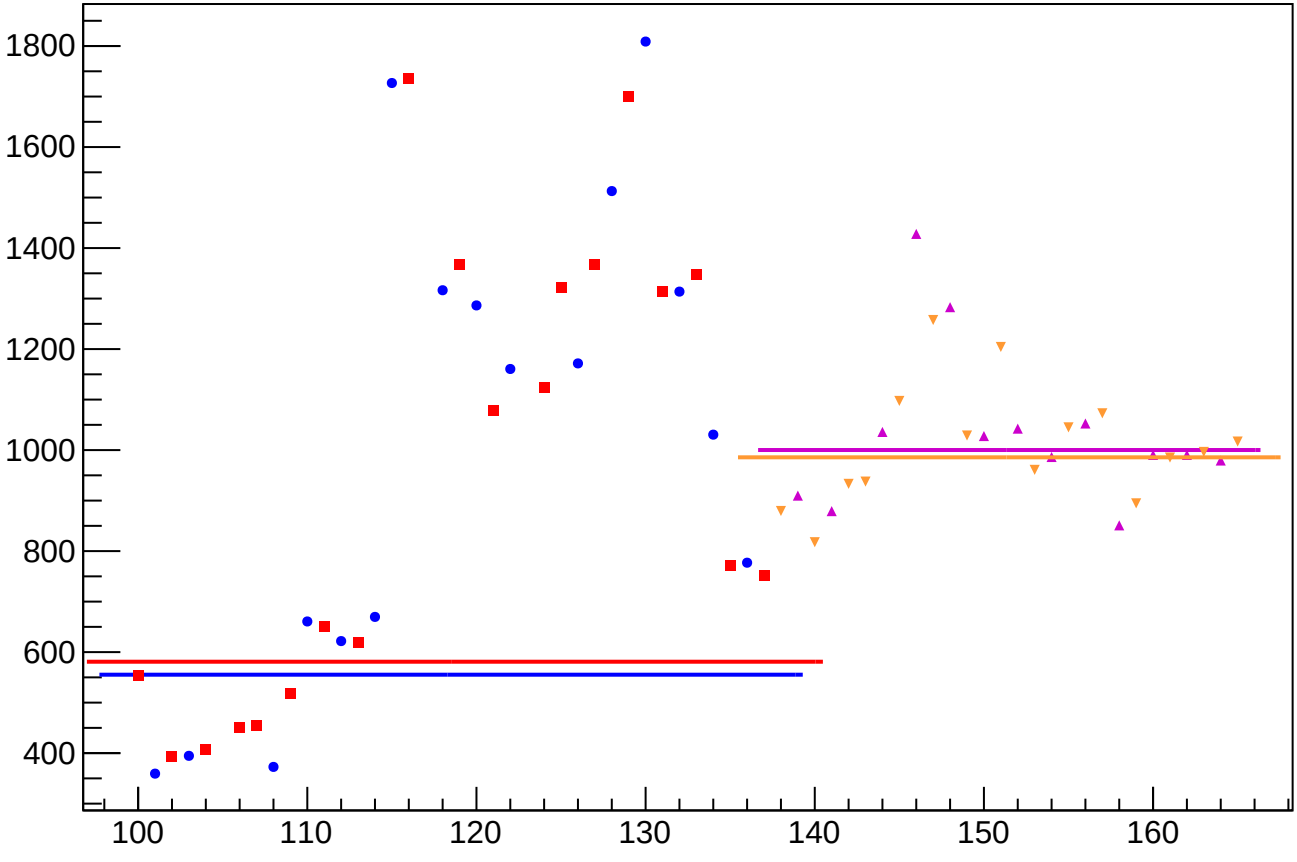
Left In: -168.952+/-305.248 χ^2/NDF:22.2/12

+ sign -267.002+/-183.556 χ^2/NDF: 43.7/30

All: -128.767+/-131.272 χ^2/NDF: 87.0/62

- sign 15.949+/-187.809 χ^2/NDF: 42.2/31

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 985.682+/-0.205 χ^2/NDF:288013.3/14

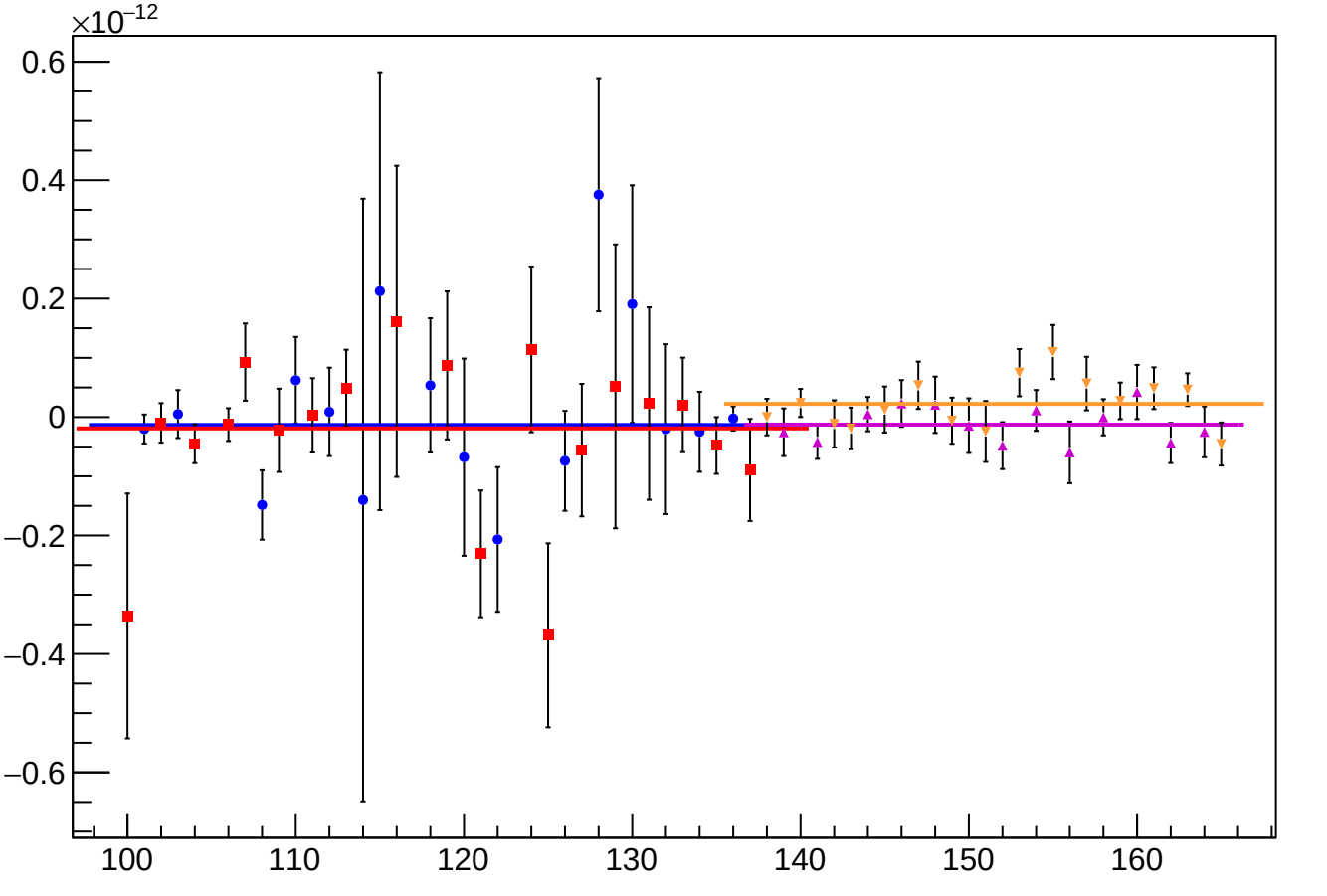
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1000.151+/-0.216 χ^2/NDF:355190.3/12

+ sign 728.653+/-0.130 χ^2/NDF: 6415542.9/30

All: 734.035+/-0.093 χ^2/NDF: 12101385.4/62

- sign 739.669+/-0.133 χ^2/NDF: 5682322.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/14

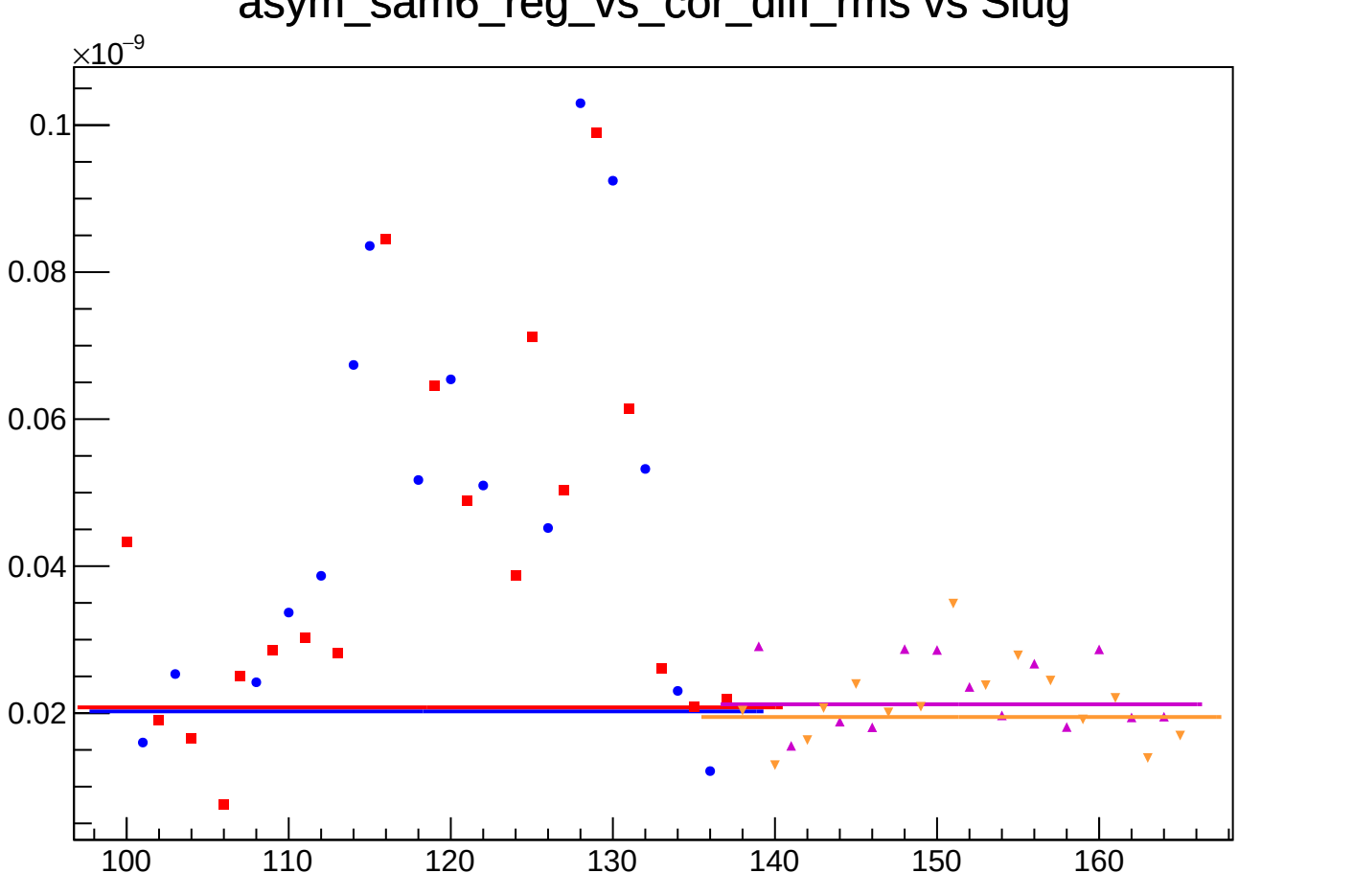
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/12

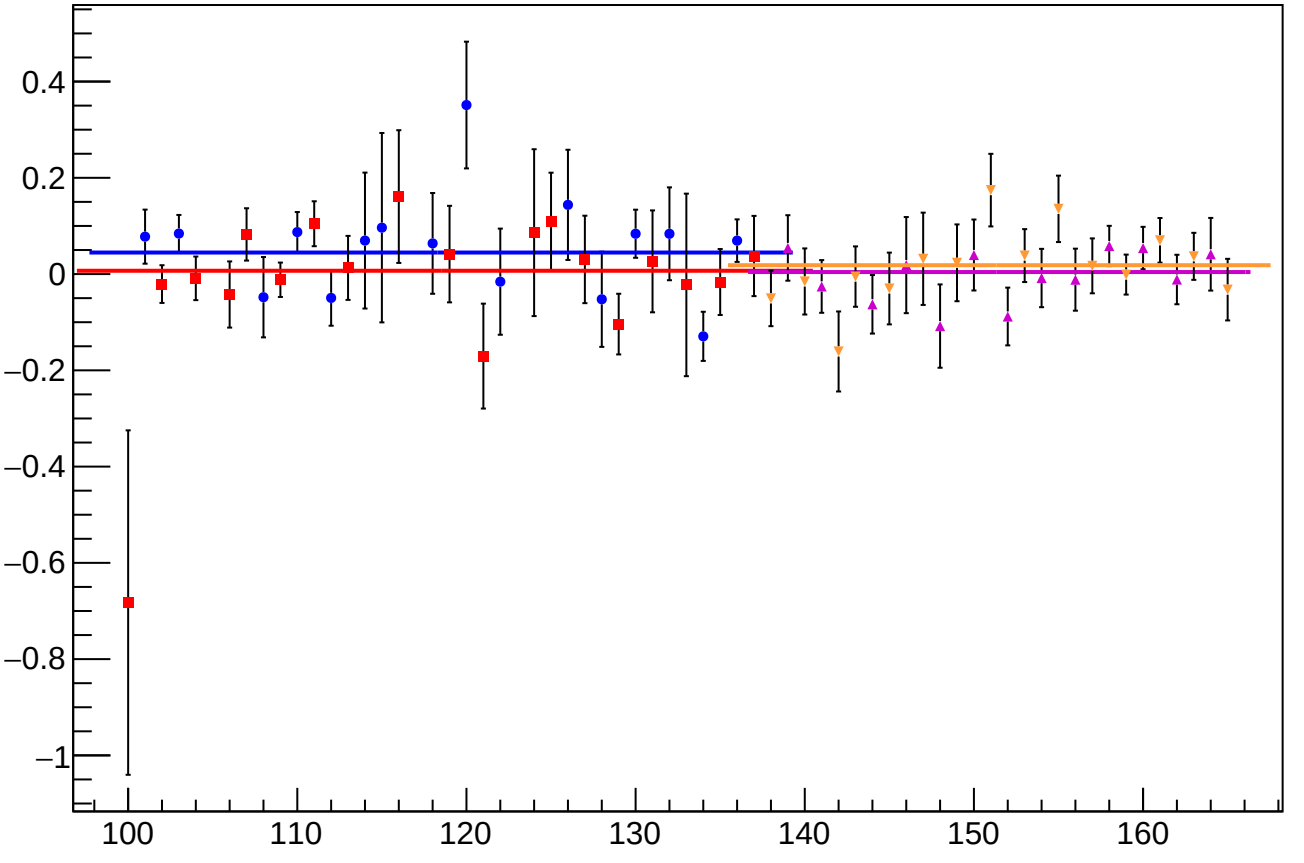
+ sign 0.000+/-0.000 χ^2/NDF: 36.5/30

All: -0.000+/-0.000 χ^2/NDF: 69.2/62

- sign -0.000+/-0.000 χ^2/NDF: 27.5/31


asym_sam6_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:596714.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:398341.6/12
+ sign 0.000+/-0.000 χ²/NDF: 2606142.6/30
All: 0.000+/-0.000 χ²/NDF: 4889942.7/62
- sign 0.000+/-0.000 χ²/NDF: 2255401.0/31

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

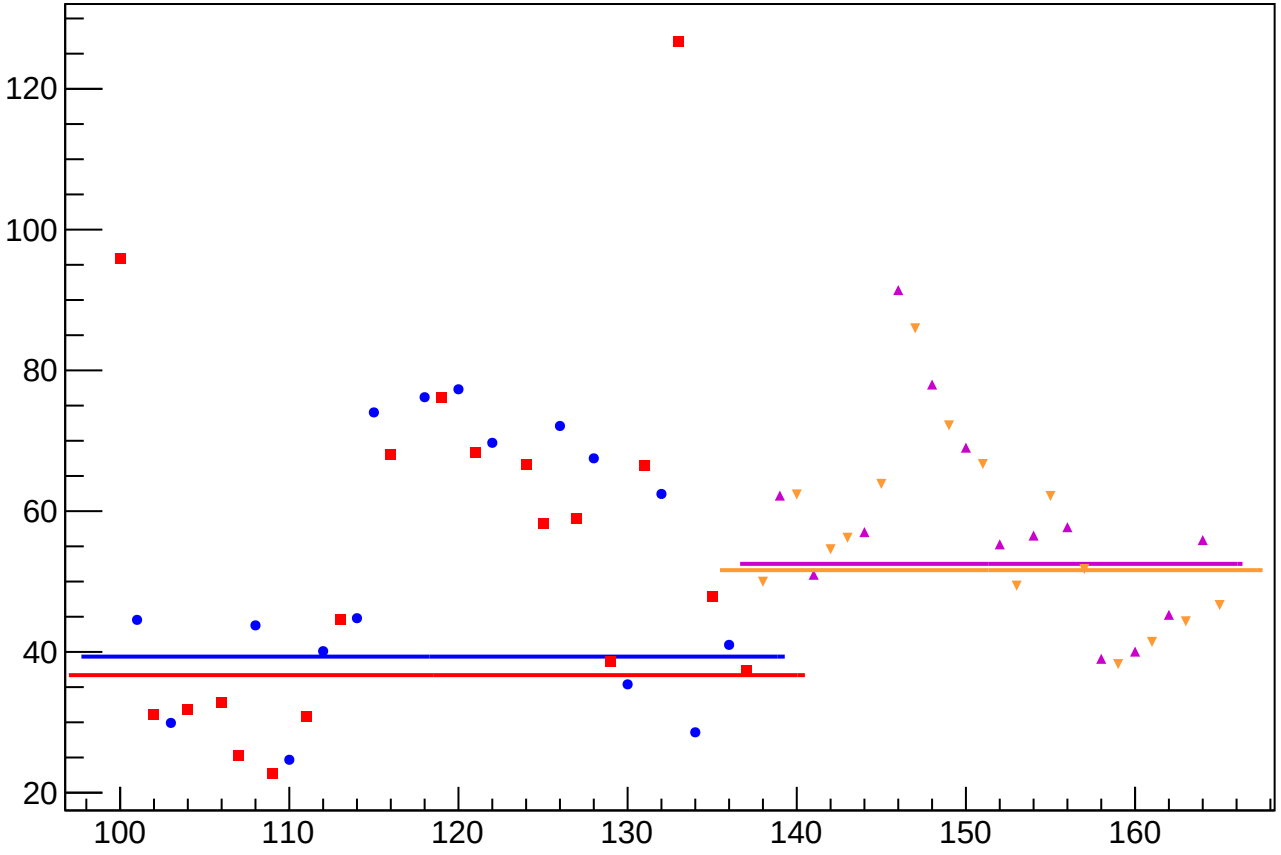
Left In: 0.004+/-0.017 χ^2/NDF:9.7/12

+ sign 0.031+/-0.011 χ^2/NDF: 44.4/30

All: 0.018+/-0.008 χ^2/NDF: 77.0/62

- sign 0.006+/-0.011 χ^2/NDF: 29.9/31

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.617+/-0.011 χ^2/NDF:997279.2/14

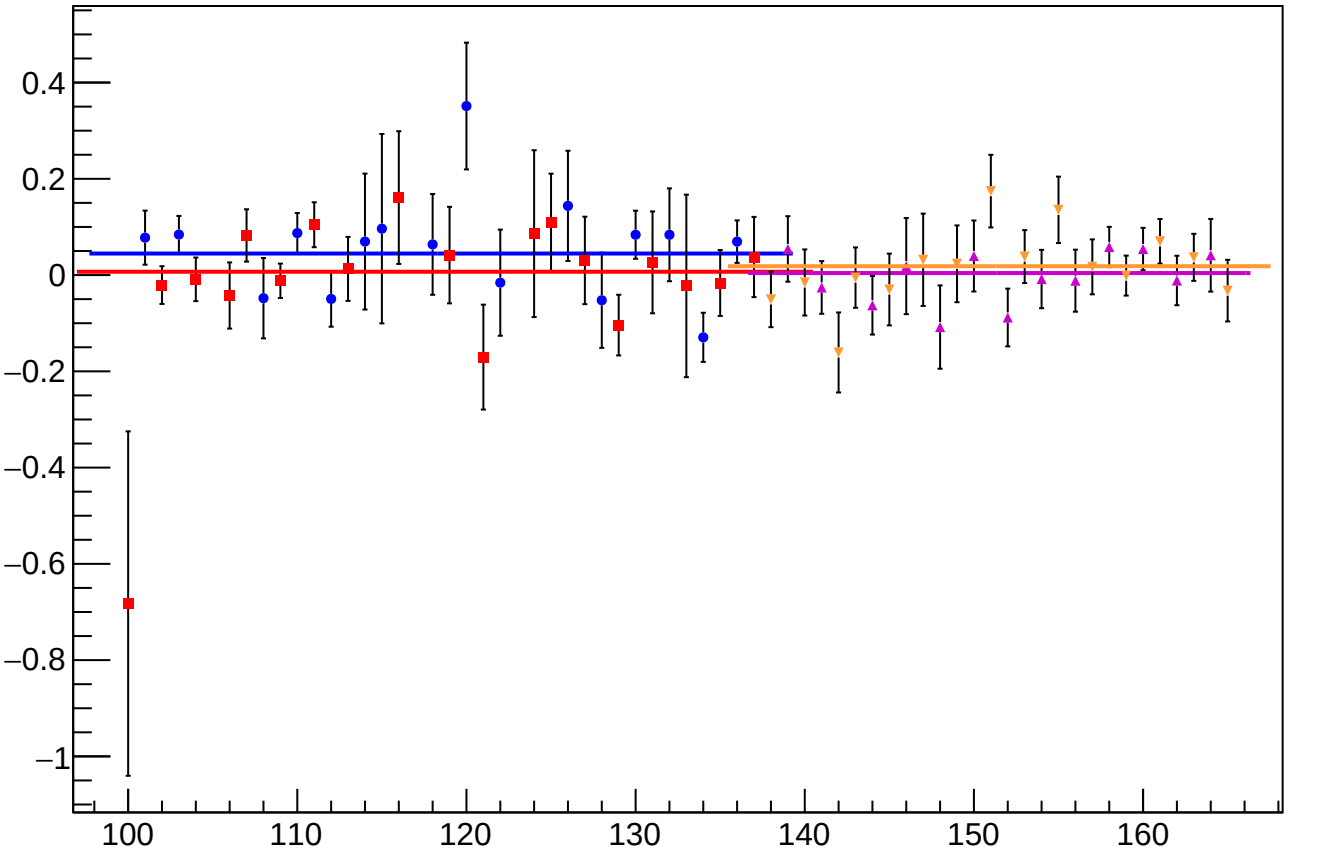
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.514+/-0.012 χ^2/NDF:1067819.5/12

+ sign 45.625+/-0.008 χ^2/NDF: 3165745.4/30

All: 44.763+/-0.006 χ^2/NDF: 7352489.6/62

- sign 43.909+/-0.008 χ^2/NDF: 4163139.0/31



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

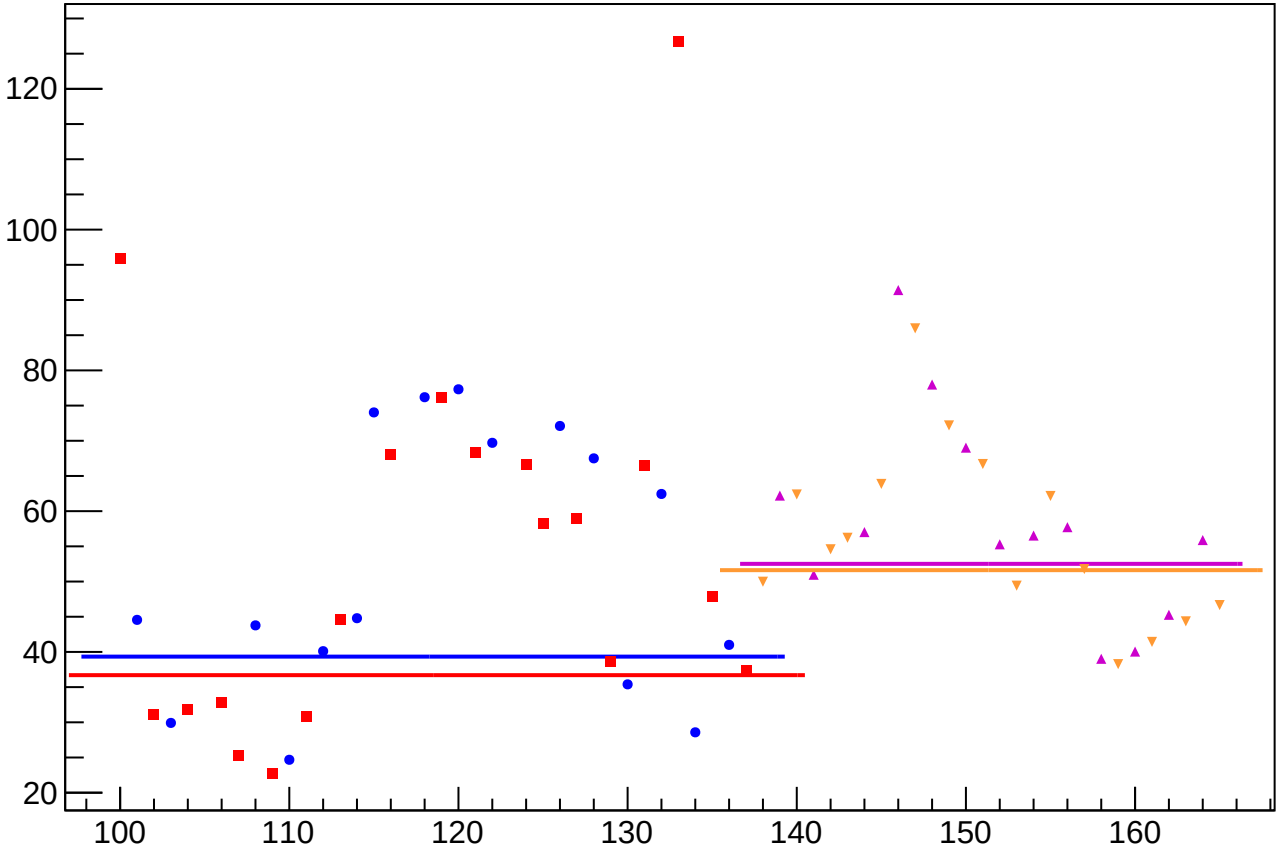
Left In: 0.004+/-0.017 χ^2/NDF:9.7/12

+ sign 0.031+/-0.011 χ^2/NDF: 44.4/30

All: 0.018+/-0.008 χ^2/NDF: 77.0/62

- sign 0.006+/-0.011 χ^2/NDF: 29.9/31

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.617+/-0.011 χ^2/NDF:997279.2/14

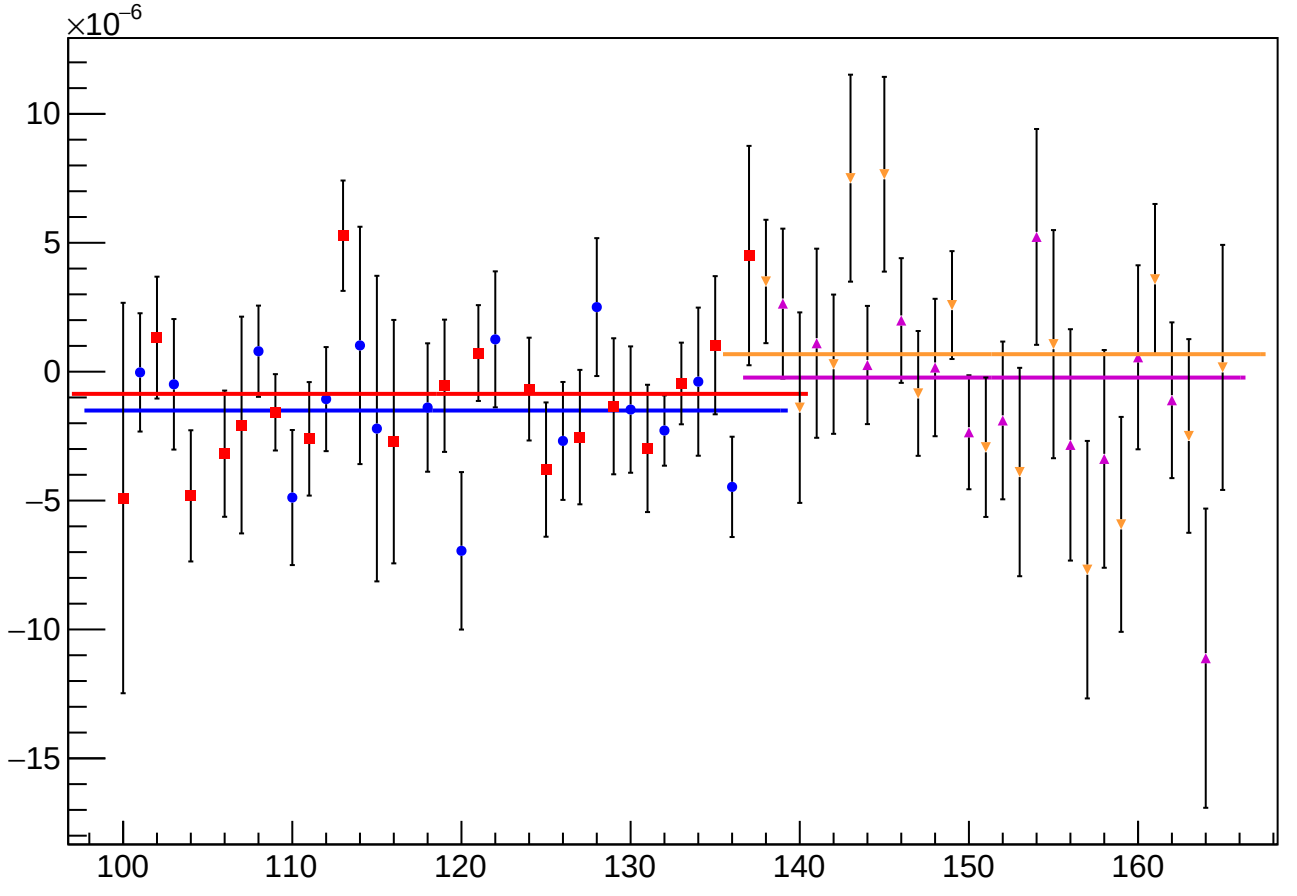
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.514+/-0.012 χ^2/NDF:1067819.5/12

\+ sign 45.625+/-0.008 χ^2/NDF: 3165745.4/30

All: 44.763+/-0.006 χ^2/NDF: 7352489.6/62

\- sign 43.909+/-0.008 χ^2/NDF: 4163139.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

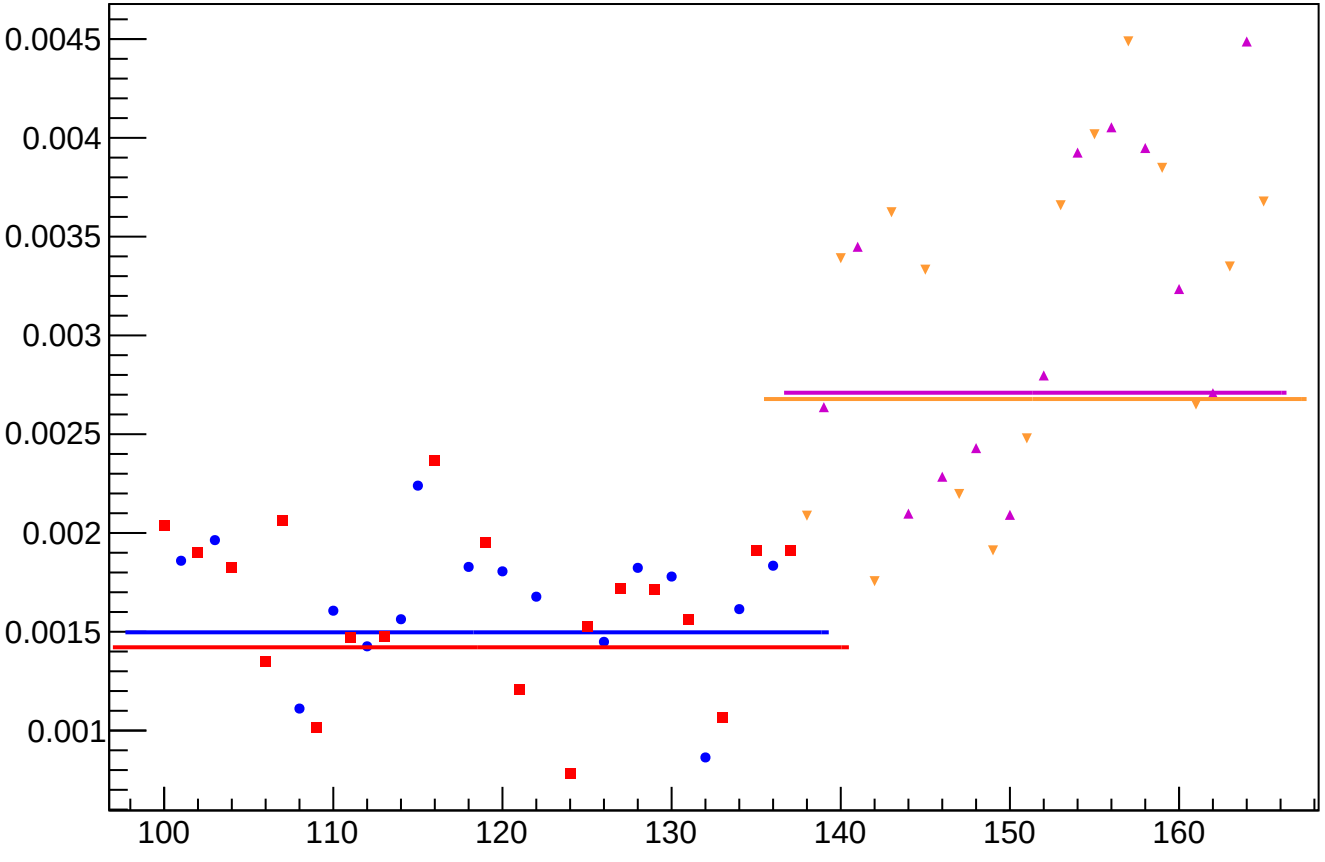
Left In: -0.000+/-0.000 χ^2/NDF:9.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 38.0/30

All: -0.000+/-0.000 χ^2/NDF: 67.0/62

- sign -0.000+/-0.000 χ^2/NDF: 29.0/31

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:1831731.7/14

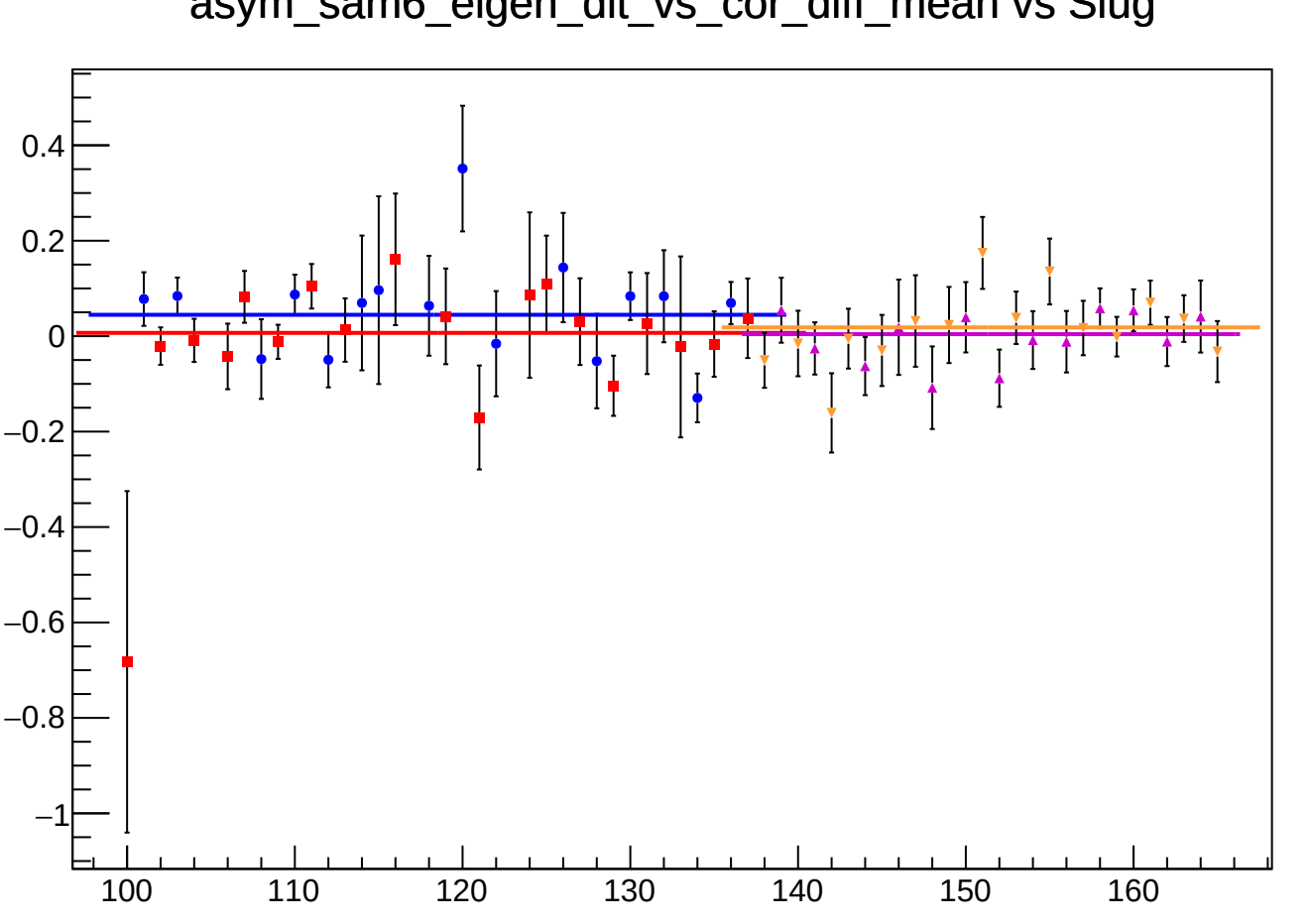
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1217387.8/12

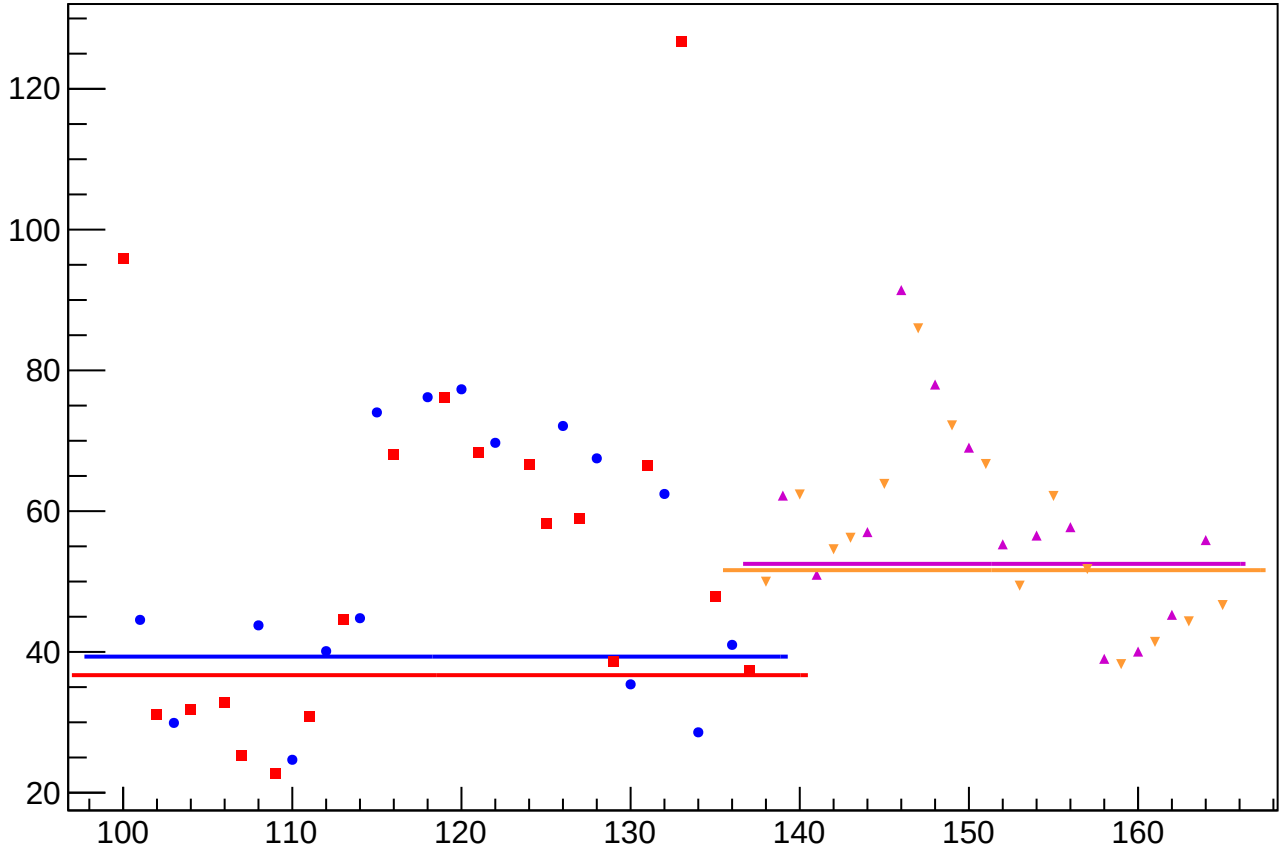
+ sign 0.002+/-0.000 χ^2/NDF: 5469905.1/30

All: 0.002+/-0.000 χ^2/NDF: 10995413.3/62

- sign 0.002+/-0.000 χ^2/NDF: 5481720.4/31


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
160
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.018+/-0.016 χ²/NDF:16.4/14
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: 0.004+/-0.017 χ²/NDF:9.7/12
+ sign 0.031+/-0.011 χ²/NDF: 44.4/30
All: 0.018+/-0.008 χ²/NDF: 77.0/62
- sign 0.006+/-0.011 χ²/NDF: 29.9/31

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.616+/-0.011 χ^2/NDF:997352.9/14

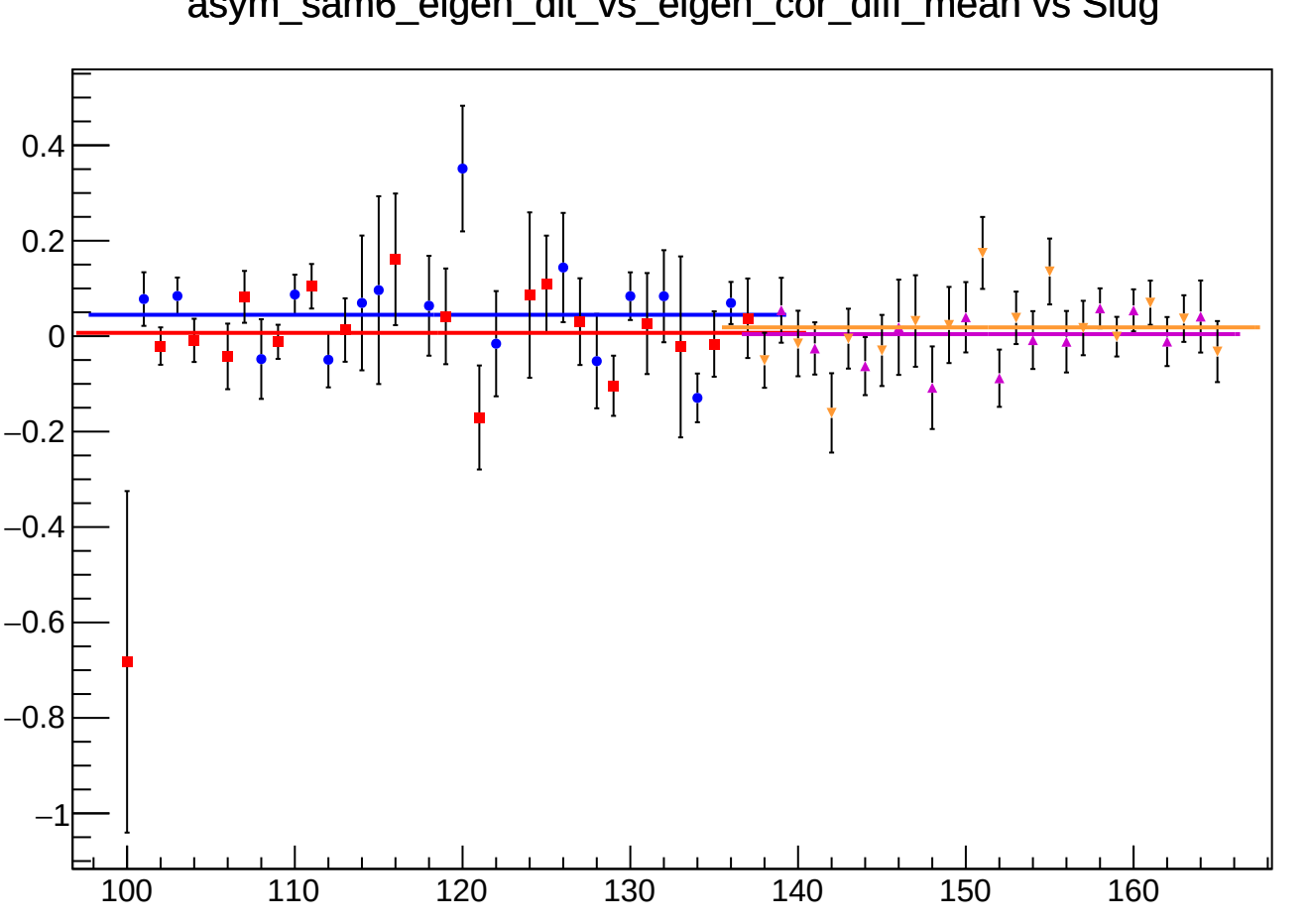
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.513+/-0.012 χ^2/NDF:1067945.6/12

+ sign 45.624+/-0.008 χ^2/NDF: 3165807.2/30

All: 44.762+/-0.006 χ^2/NDF: 7352571.2/62

- sign 43.908+/-0.008 χ^2/NDF: 4163162.4/31



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.018+/-0.016 χ^2/NDF:16.4/14

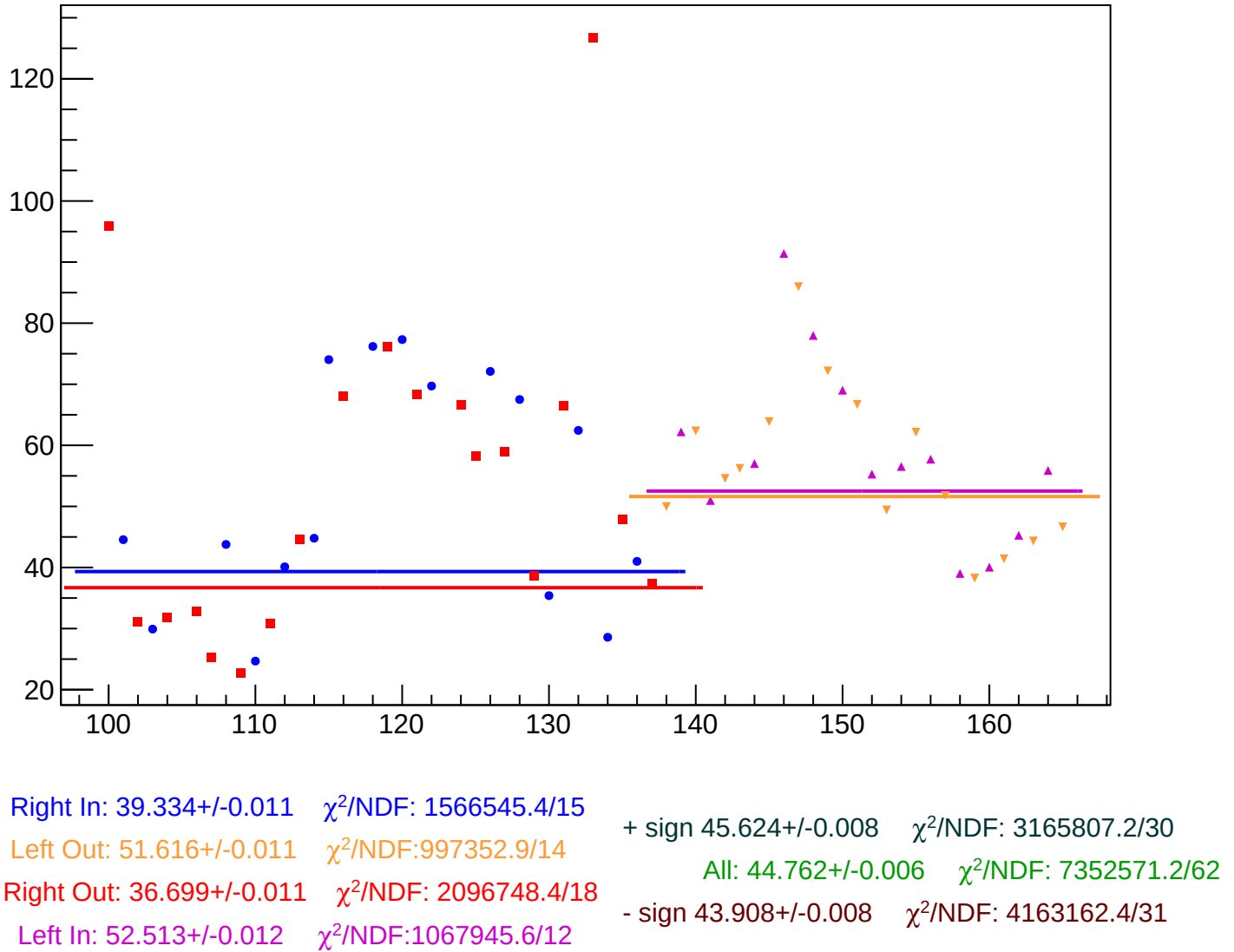
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

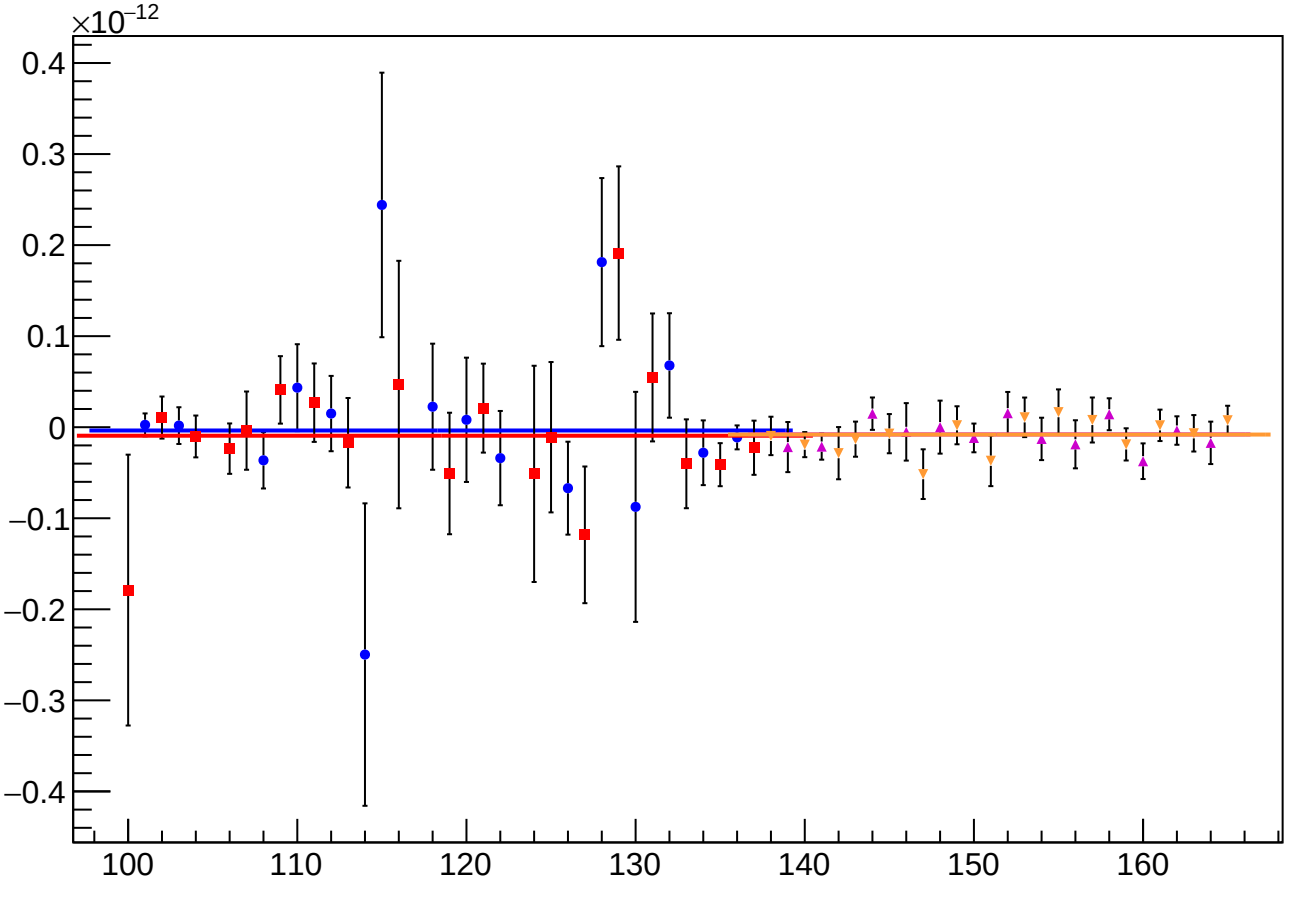
Left In: 0.004+/-0.017 χ^2/NDF:9.7/12

+ sign 0.031+/-0.011 χ^2/NDF: 44.4/30

All: 0.018+/-0.008 χ^2/NDF: 77.0/62

- sign 0.006+/-0.011 χ^2/NDF: 29.9/31


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 39.334+/-0.011 χ²/NDF: 1566545.4/15
Left Out: 51.616+/-0.011 χ²/NDF:997352.9/14
Right Out: 36.699+/-0.011 χ²/NDF: 2096748.4/18
Left In: 52.513+/-0.012 χ²/NDF:1067945.6/12
+ sign 45.624+/-0.008 χ²/NDF: 3165807.2/30
All: 44.762+/-0.006 χ²/NDF: 7352571.2/62
- sign 43.908+/-0.008 χ²/NDF: 4163162.4/31



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/14

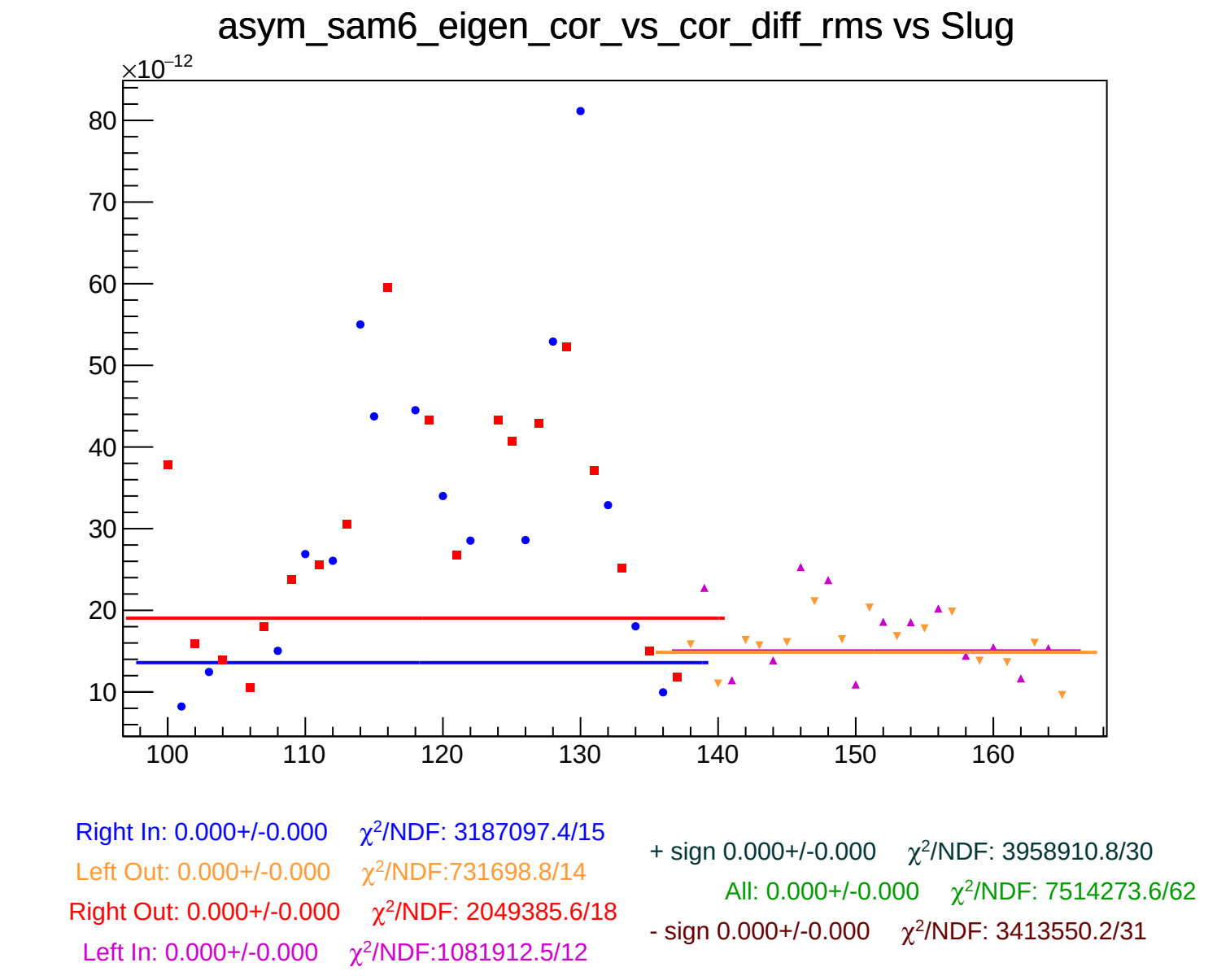
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/12

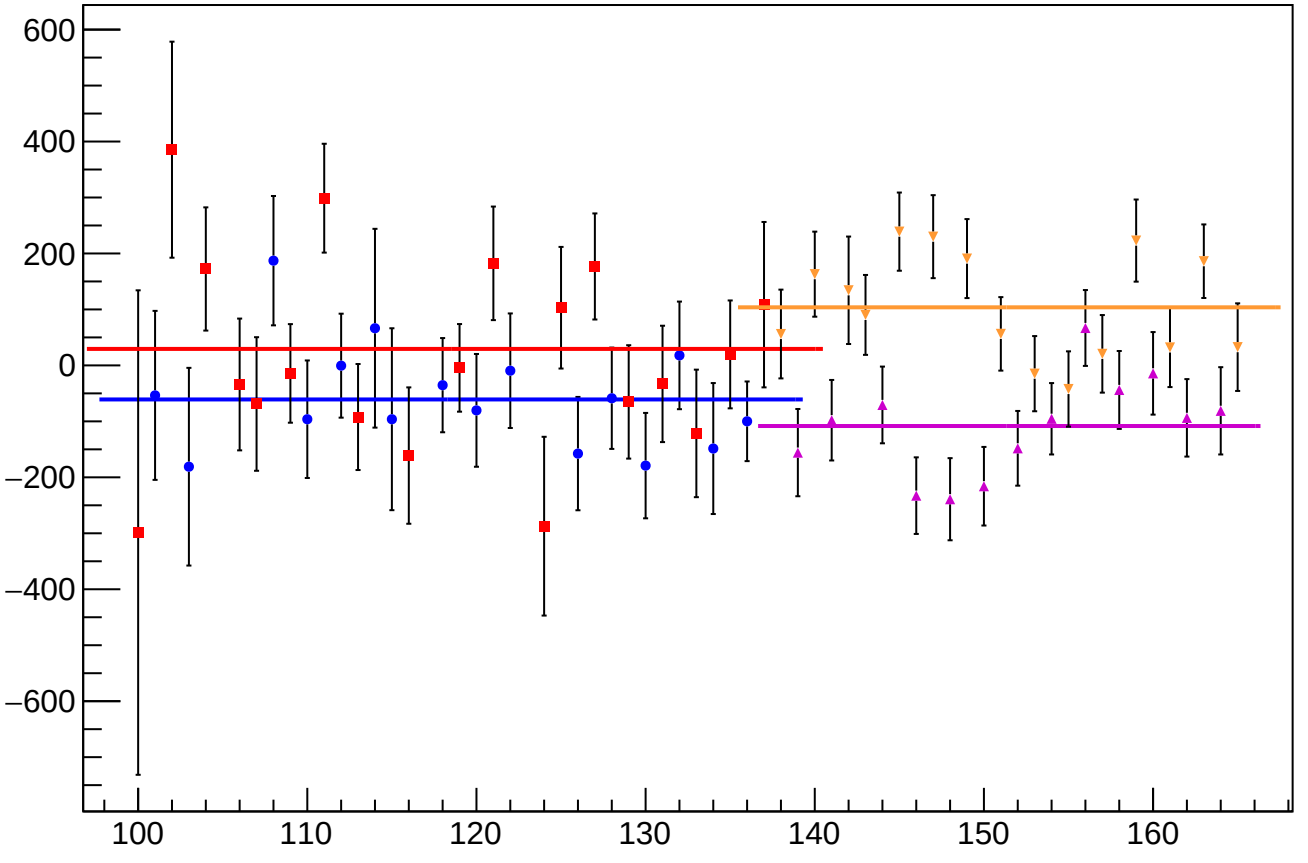
+ sign -0.000+/-0.000 χ^2/NDF: 25.7/30

All: -0.000+/-0.000 χ^2/NDF: 49.8/62

- sign -0.000+/-0.000 χ^2/NDF: 24.0/31


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
160
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:731698.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1081912.5/12
+ sign 0.000+/-0.000 χ²/NDF: 3958910.8/30
All: 0.000+/-0.000 χ²/NDF: 7514273.6/62
- sign 0.000+/-0.000 χ²/NDF: 3413550.2/31

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.768+/-18.612 χ^2/NDF:25.1/14

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

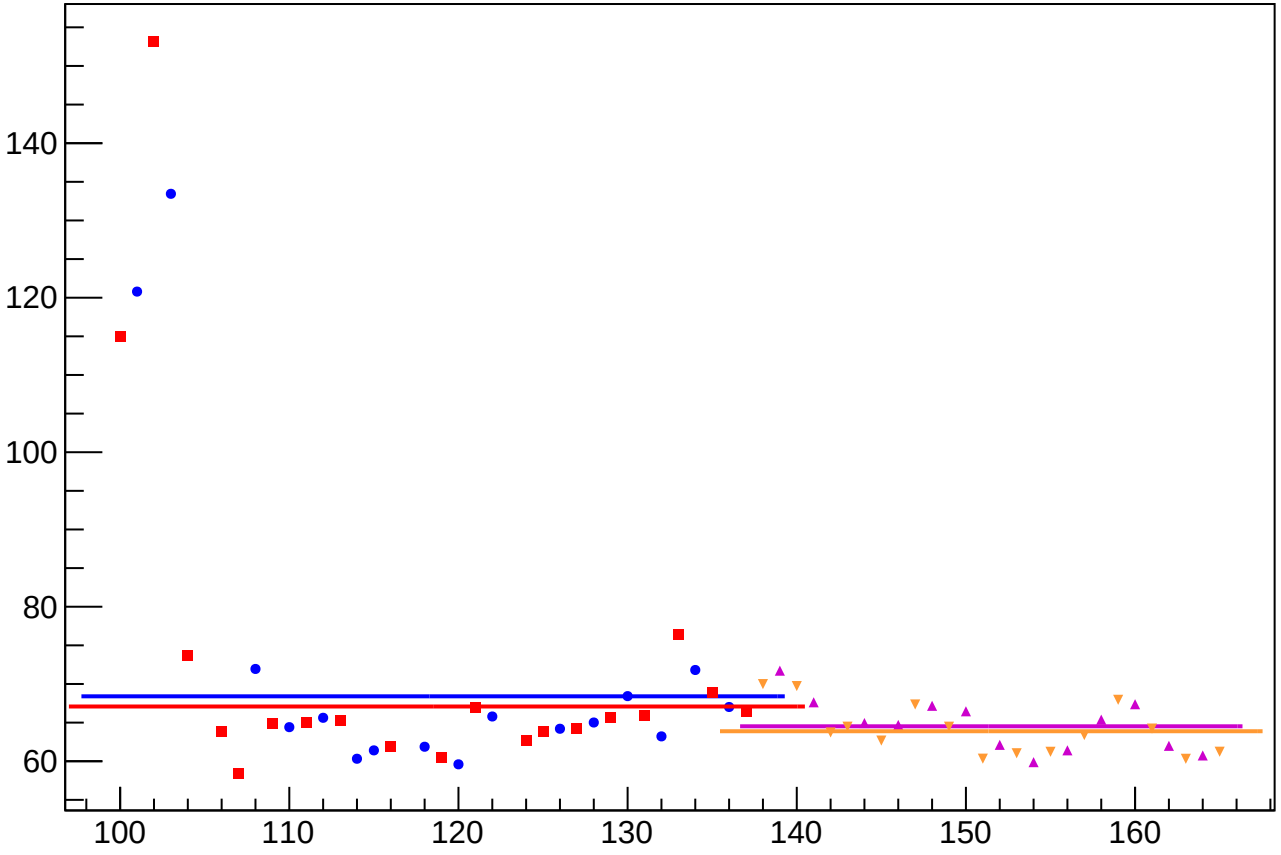
Left In: -108.309+/-19.522 χ^2/NDF:19.2/12

+ sign 48.145+/-15.145 χ^2/NDF: 62.1/30

All: -3.214+/-10.802 χ^2/NDF: 154.7/62

- sign -56.396+/-15.411 χ^2/NDF: 69.2/31

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.884+/-0.013 χ^2/NDF:55981.7/14

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

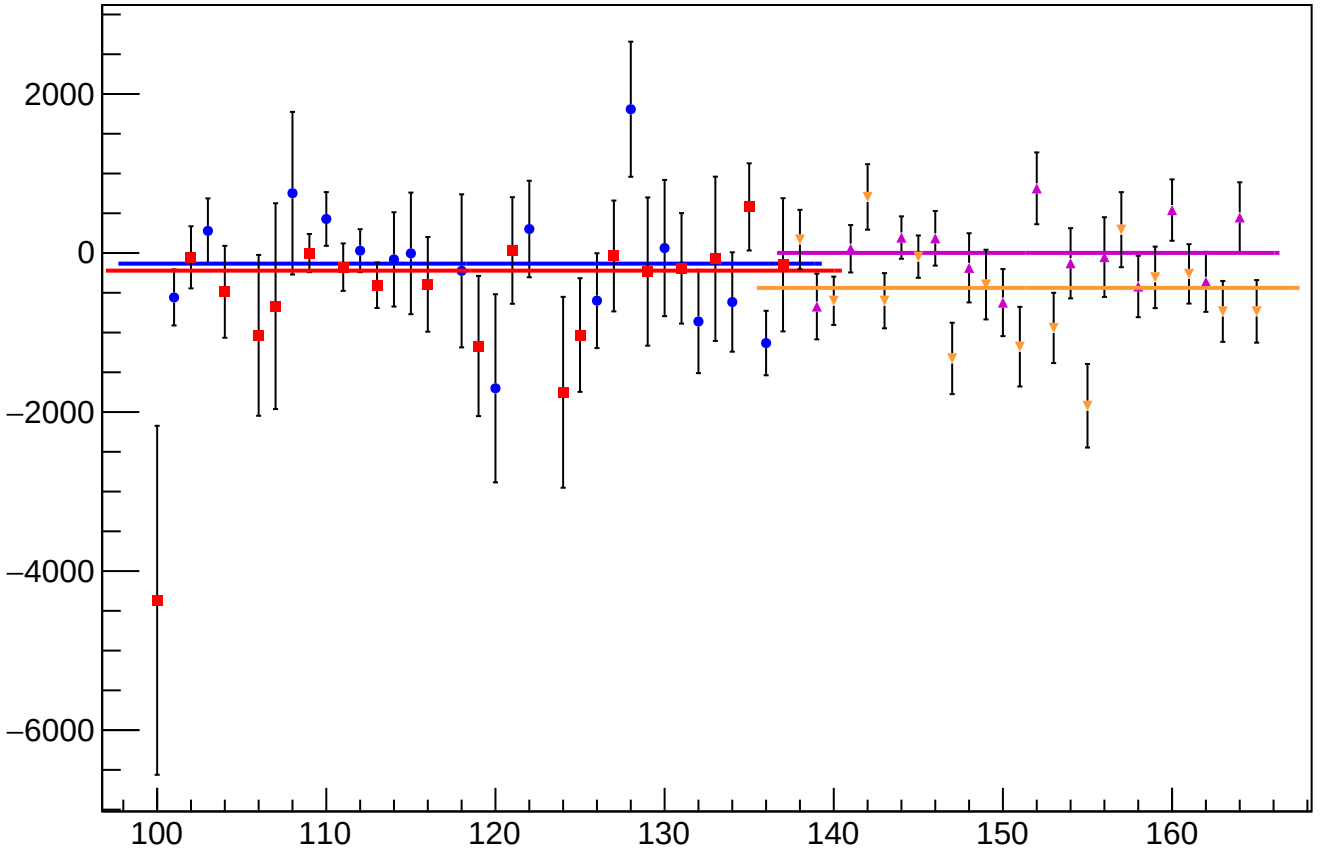
Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

+ sign 65.411+/-0.011 χ^2/NDF: 665391.6/30

All: 65.449+/-0.008 χ^2/NDF: 1213299.3/62

- sign 65.489+/-0.011 χ^2/NDF: 547881.6/31

asym_sam7_reg_correction_mean vs Slug



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -438.496+/-99.592 χ^2/NDF:32.3/14

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

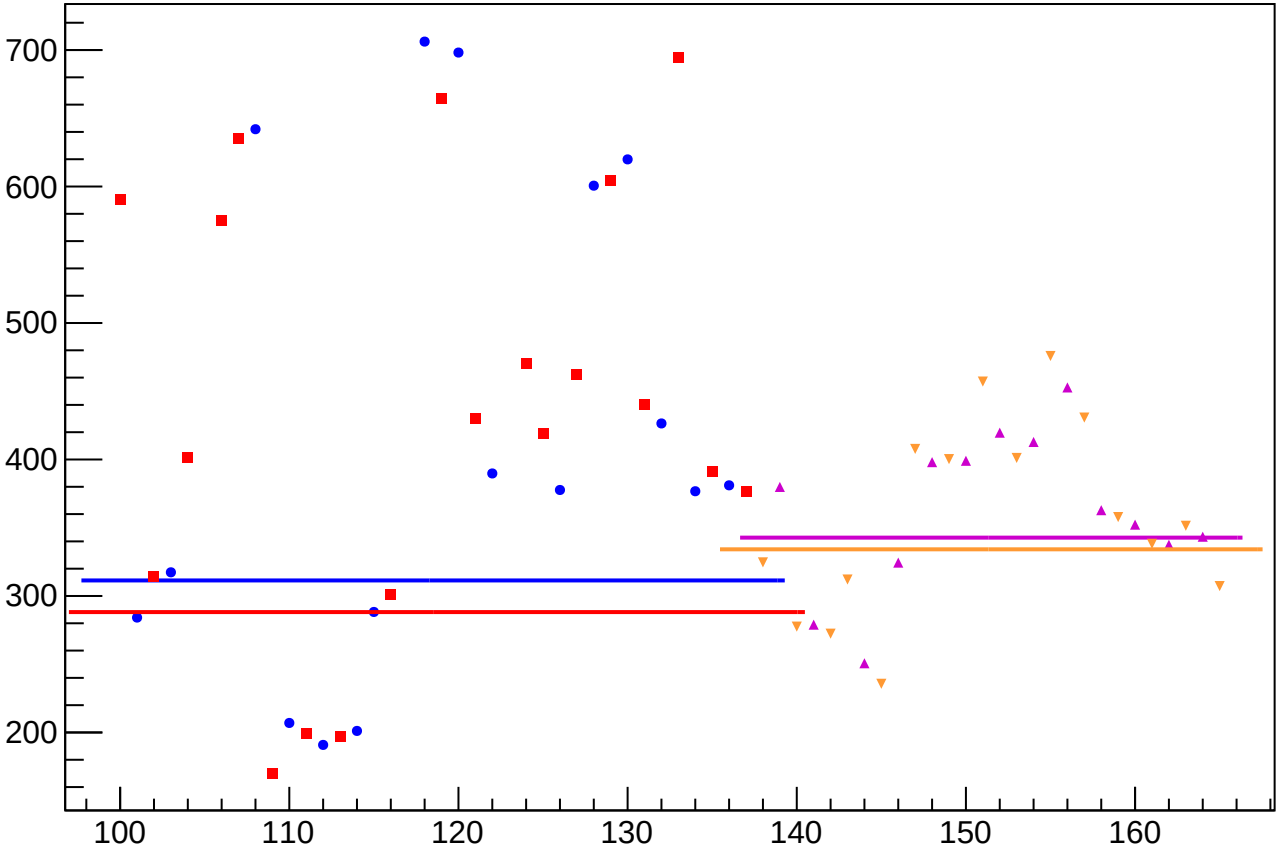
Left In: 1.804+/-105.328 χ^2/NDF:14.3/12

+ sign -321.143+/-78.109 χ^2/NDF: 58.4/30

All: -209.820+/-55.374 χ^2/NDF: 91.3/62

- sign -97.343+/-78.513 χ^2/NDF: 28.8/31

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 334.187+/-0.070 χ^2/NDF:913526.3/14

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

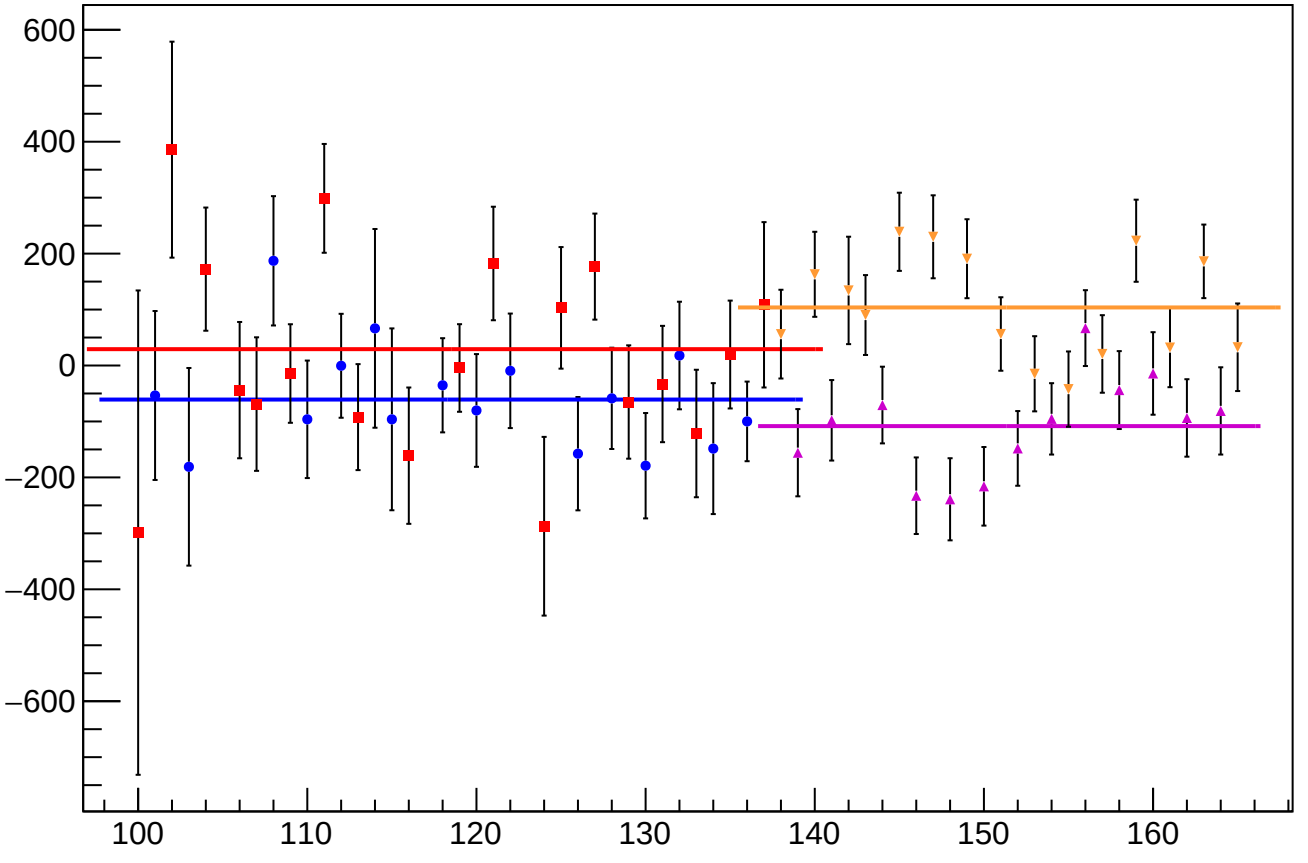
Left In: 342.750+/-0.074 χ^2/NDF:631362.8/12

+ sign 325.412+/-0.055 χ^2/NDF: 3077672.0/30

All: 321.980+/-0.039 χ^2/NDF: 6670510.7/62

- sign 318.513+/-0.056 χ^2/NDF: 3585078.8/31

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.769+/-18.612 χ^2/NDF:25.1/14

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

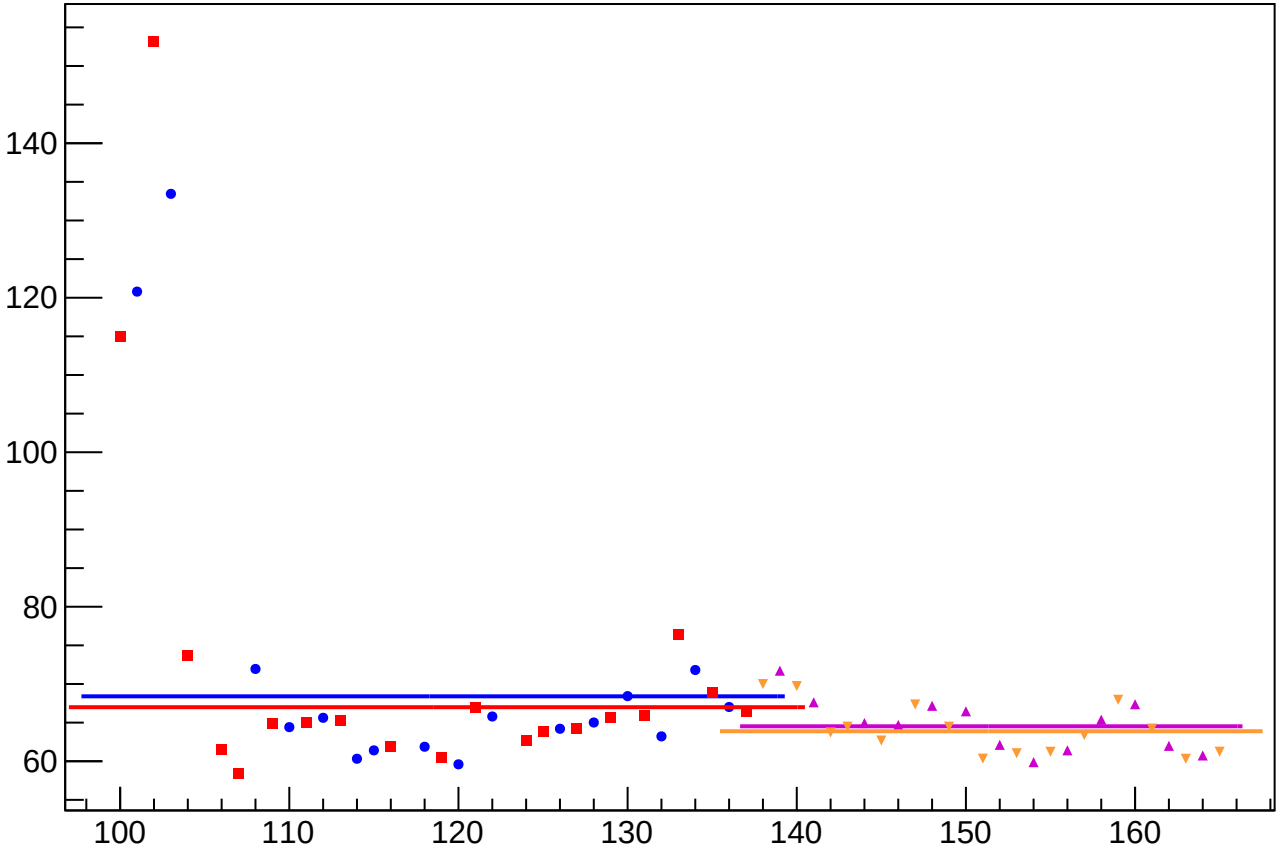
Left In: -108.308+/-19.522 χ^2/NDF:19.2/12

+ sign 48.145+/-15.145 χ^2/NDF: 62.1/30

All: -3.275+/-10.805 χ^2/NDF: 154.8/62

- sign -56.580+/-15.420 χ^2/NDF: 69.2/31

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.884+/-0.013 χ^2/NDF:55981.7/14

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

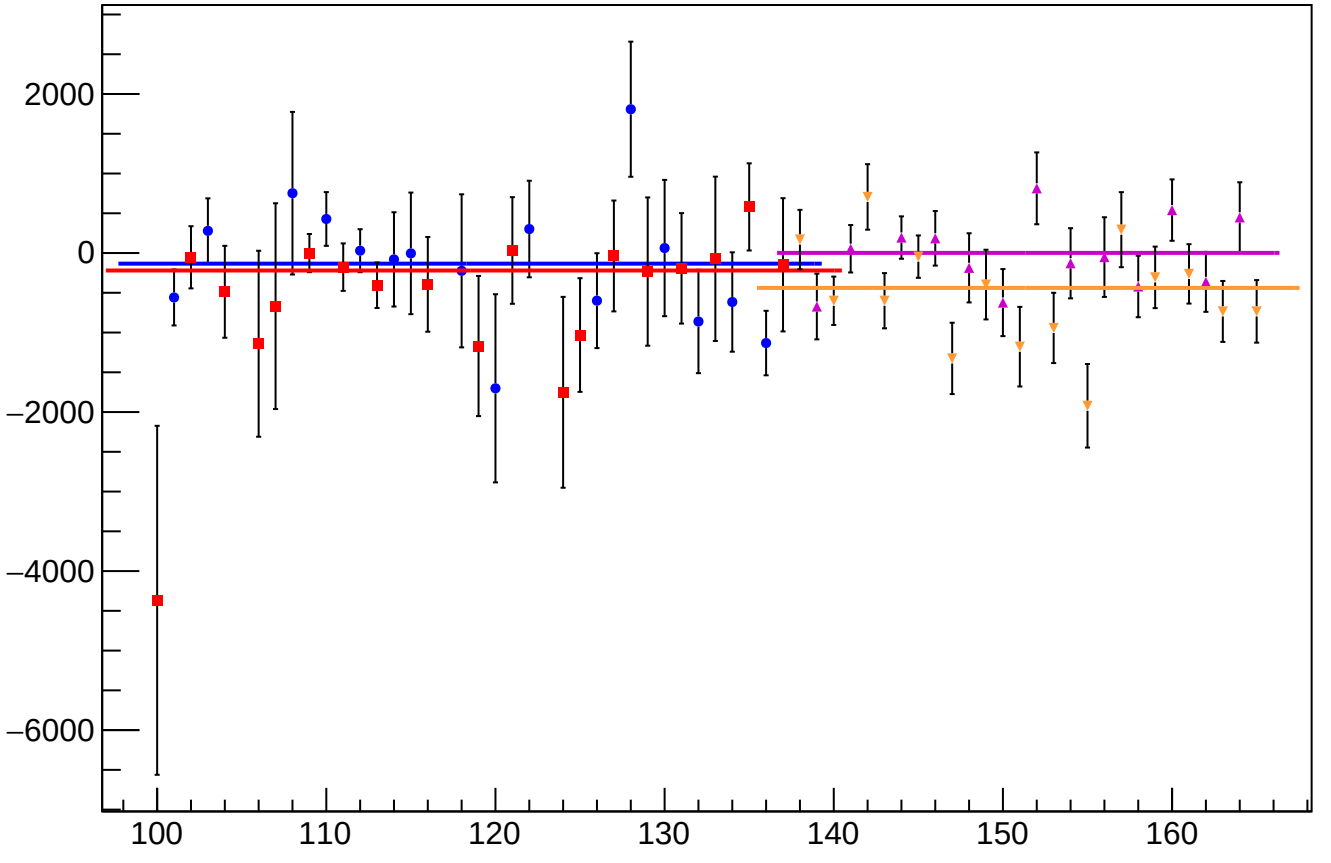
Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

+ sign 65.411+/-0.011 χ^2/NDF: 665392.0/30

All: 65.431+/-0.008 χ^2/NDF: 1215024.1/62

- sign 65.453+/-0.011 χ^2/NDF: 549624.6/31

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -438.496+/-99.592 χ^2/NDF:32.3/14

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

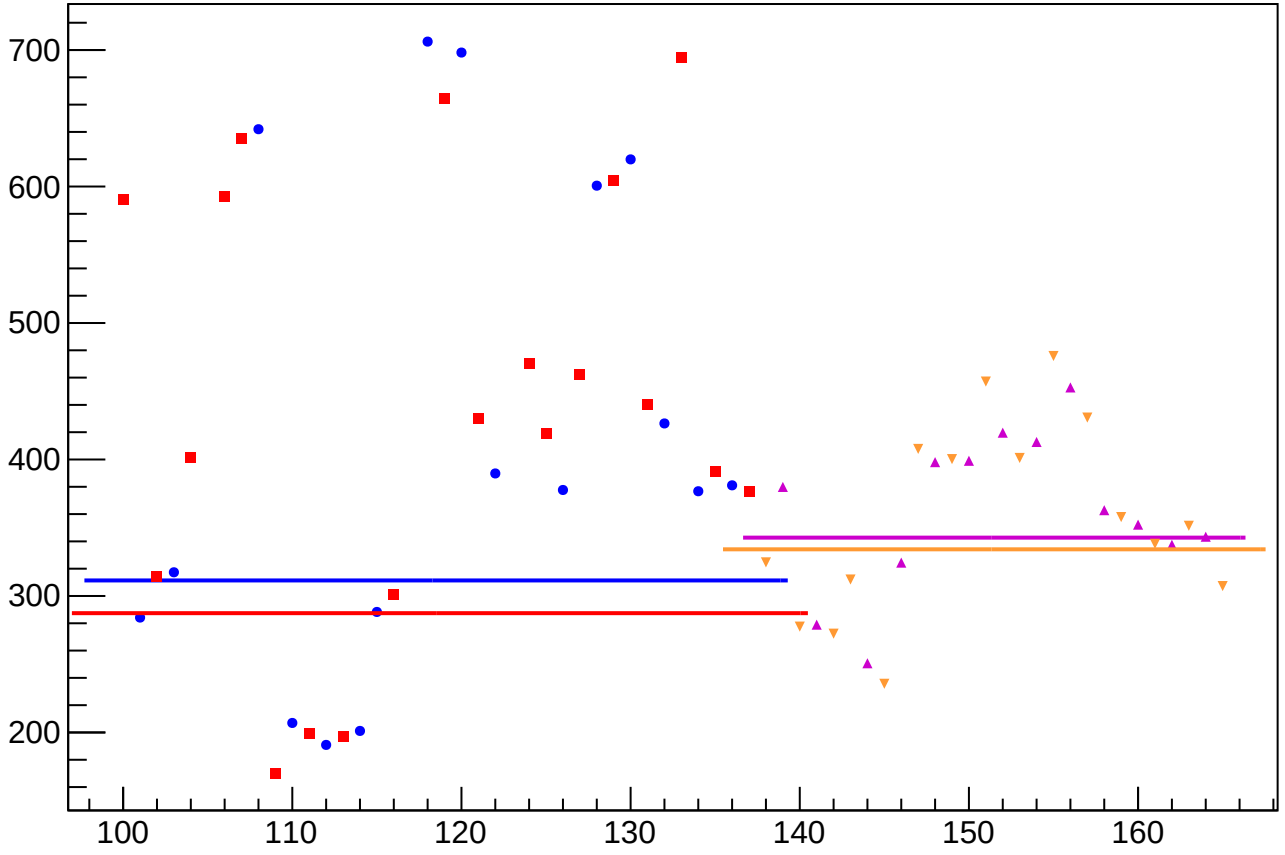
Left In: 1.809+/-105.328 χ^2/NDF:14.3/12

+ sign -321.143+/-78.109 χ^2/NDF: 58.4/30

All: -209.433+/-55.395 χ^2/NDF: 91.3/62

- sign -96.389+/-78.575 χ^2/NDF: 28.8/31

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.187+/-0.070 χ^2/NDF:913530.7/14

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

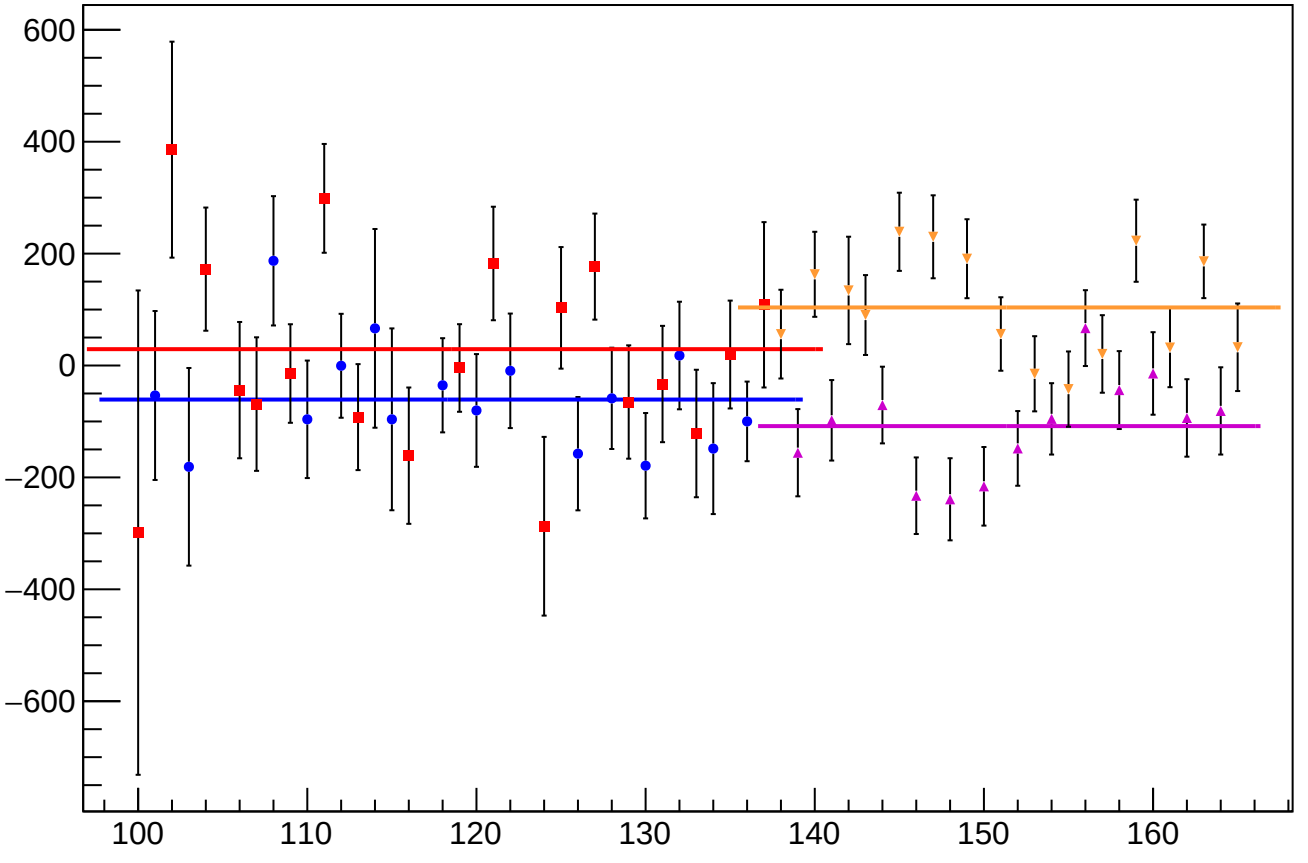
Left In: 342.751+/-0.074 χ^2/NDF:631359.8/12

+ sign 325.412+/-0.055 χ^2/NDF: 3077670.0/30

All: 321.832+/-0.039 χ^2/NDF: 6652569.2/62

- sign 318.209+/-0.056 χ^2/NDF: 3566446.0/31

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.769+/-18.612 χ^2/NDF:25.1/14

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

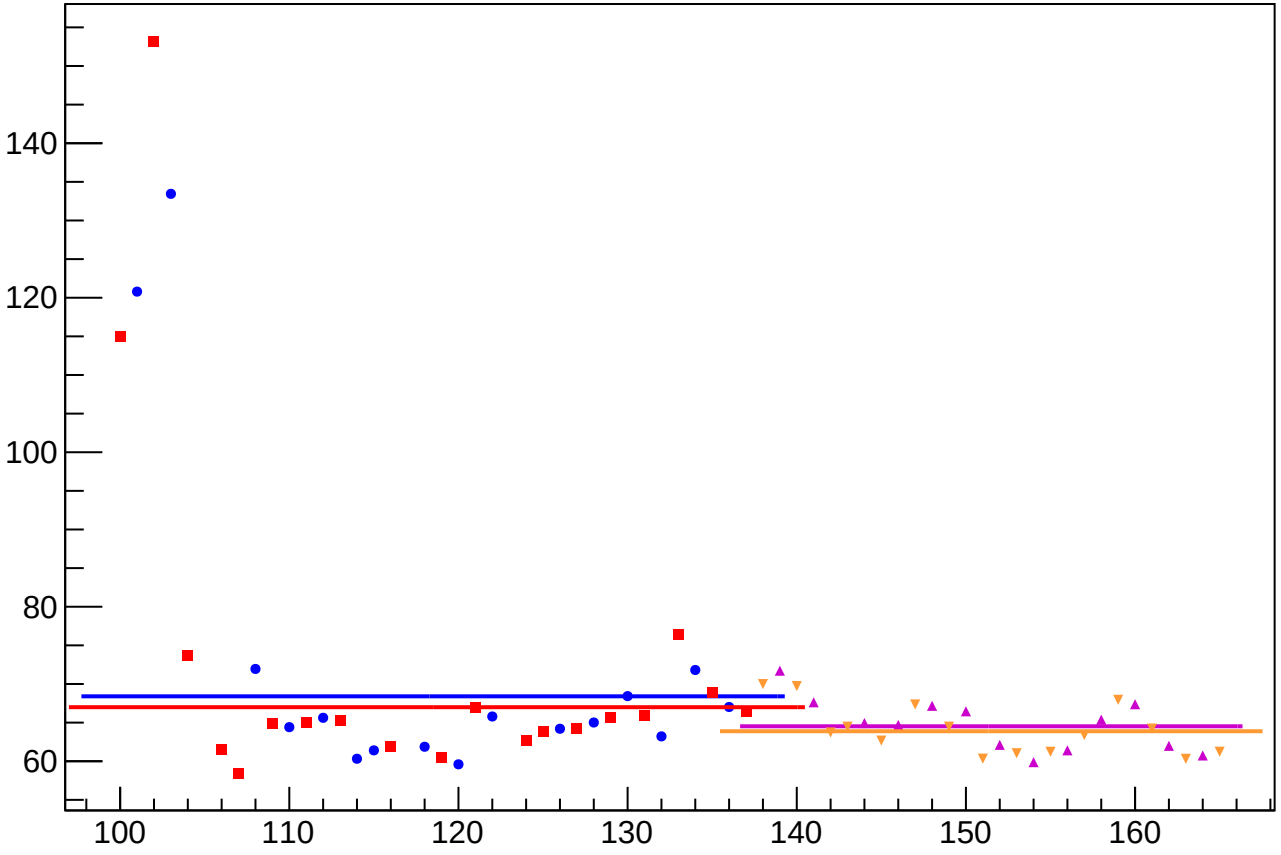
Left In: -108.308+/-19.522 χ^2/NDF:19.2/12

+ sign 48.145+/-15.145 χ^2/NDF: 62.1/30

All: -3.275+/-10.805 χ^2/NDF: 154.8/62

- sign -56.580+/-15.420 χ^2/NDF: 69.2/31

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.884+/-0.013 χ^2/NDF:55981.7/14

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

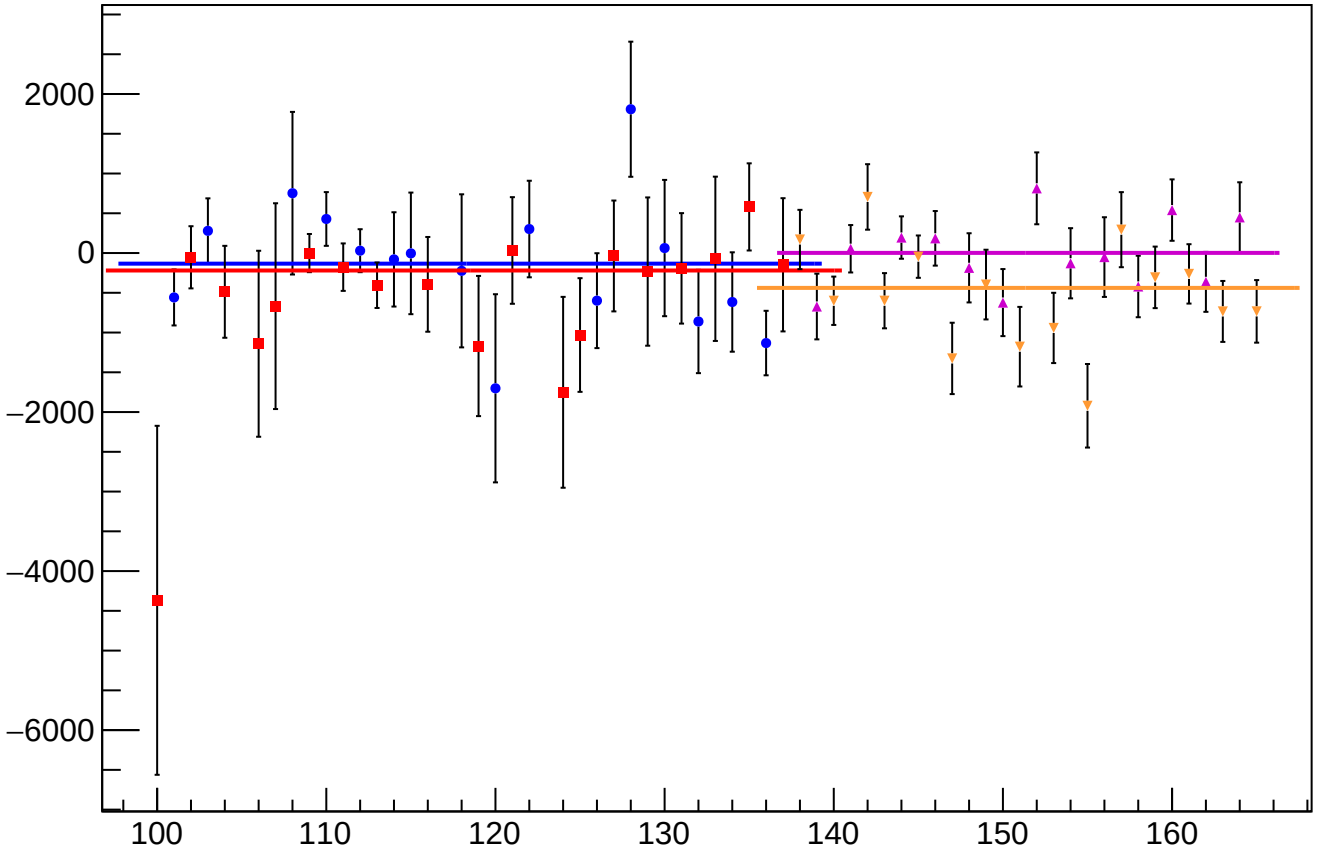
Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

+ sign 65.411+/-0.011 χ^2/NDF: 665392.0/30

All: 65.431+/-0.008 χ^2/NDF: 1215024.1/62

- sign 65.453+/-0.011 χ^2/NDF: 549624.6/31

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -438.496+/-99.592 χ^2/NDF:32.3/14

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

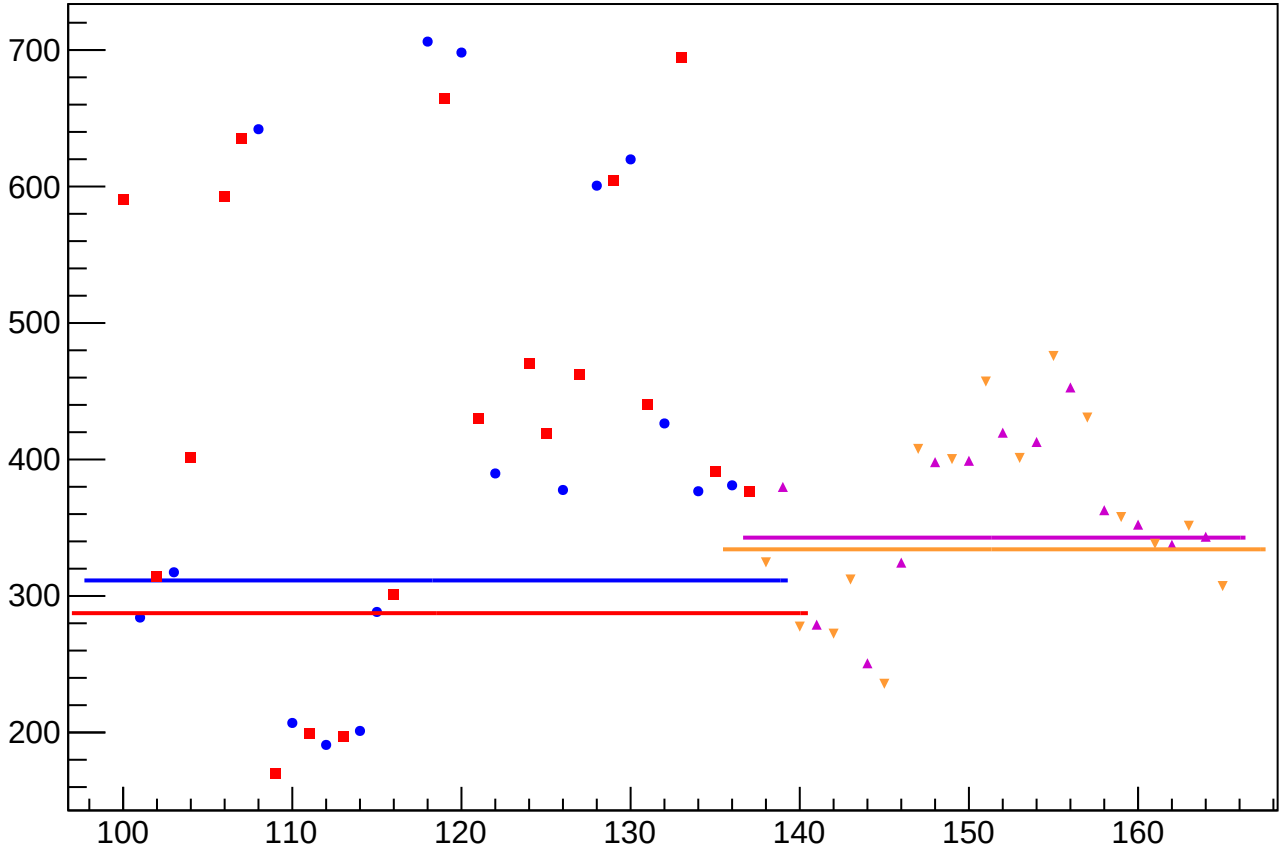
Left In: 1.809+/-105.328 χ^2/NDF:14.3/12

+ sign -321.143+/-78.109 χ^2/NDF: 58.4/30

All: -209.433+/-55.395 χ^2/NDF: 91.3/62

- sign -96.389+/-78.575 χ^2/NDF: 28.8/31

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.187+/-0.070 χ^2/NDF:913530.7/14

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

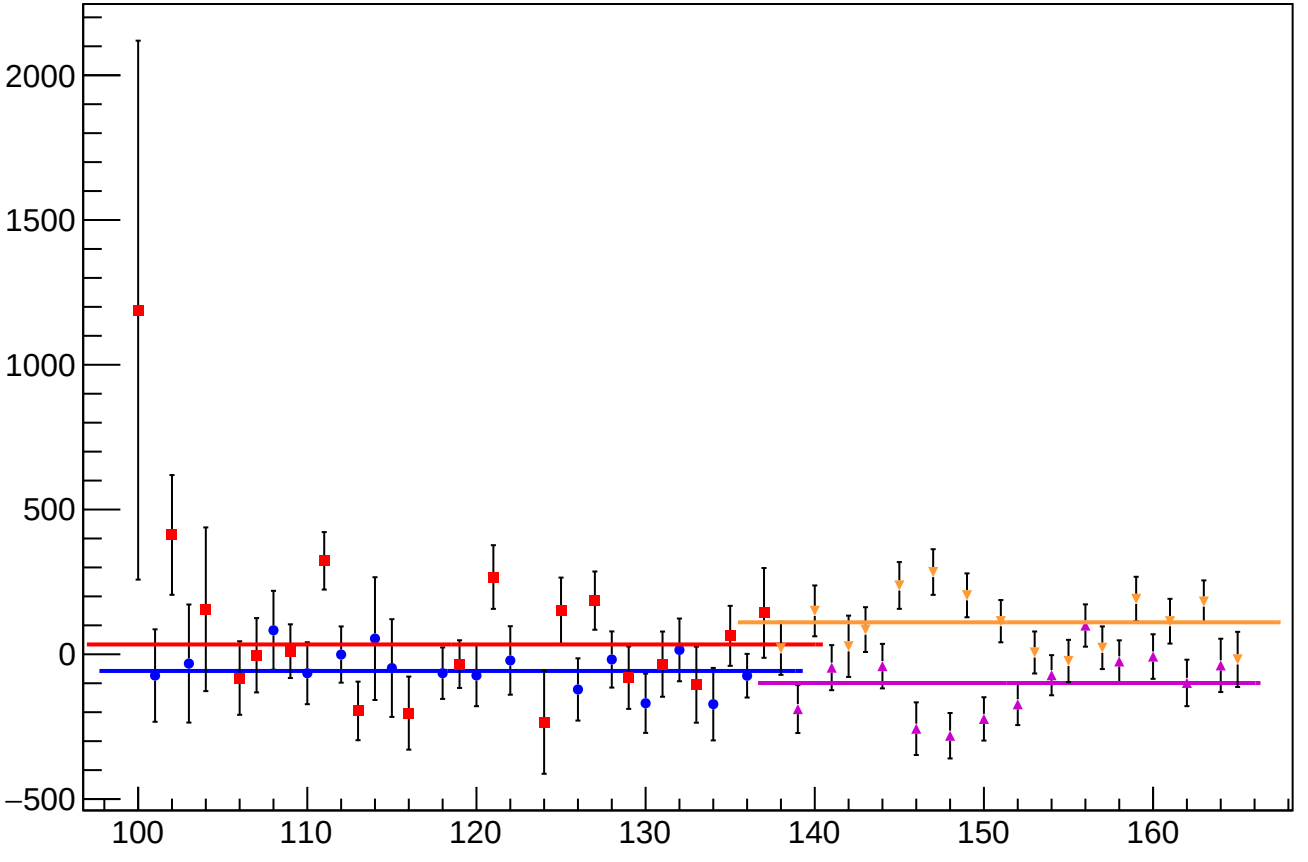
Left In: 342.751+/-0.074 χ^2/NDF:631359.8/12

+ sign 325.412+/-0.055 χ^2/NDF: 3077670.0/30

All: 321.832+/-0.039 χ^2/NDF: 6652569.2/62

- sign 318.209+/-0.056 χ^2/NDF: 3566446.0/31

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.477+/-20.509 χ^2/NDF:21.4/14

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

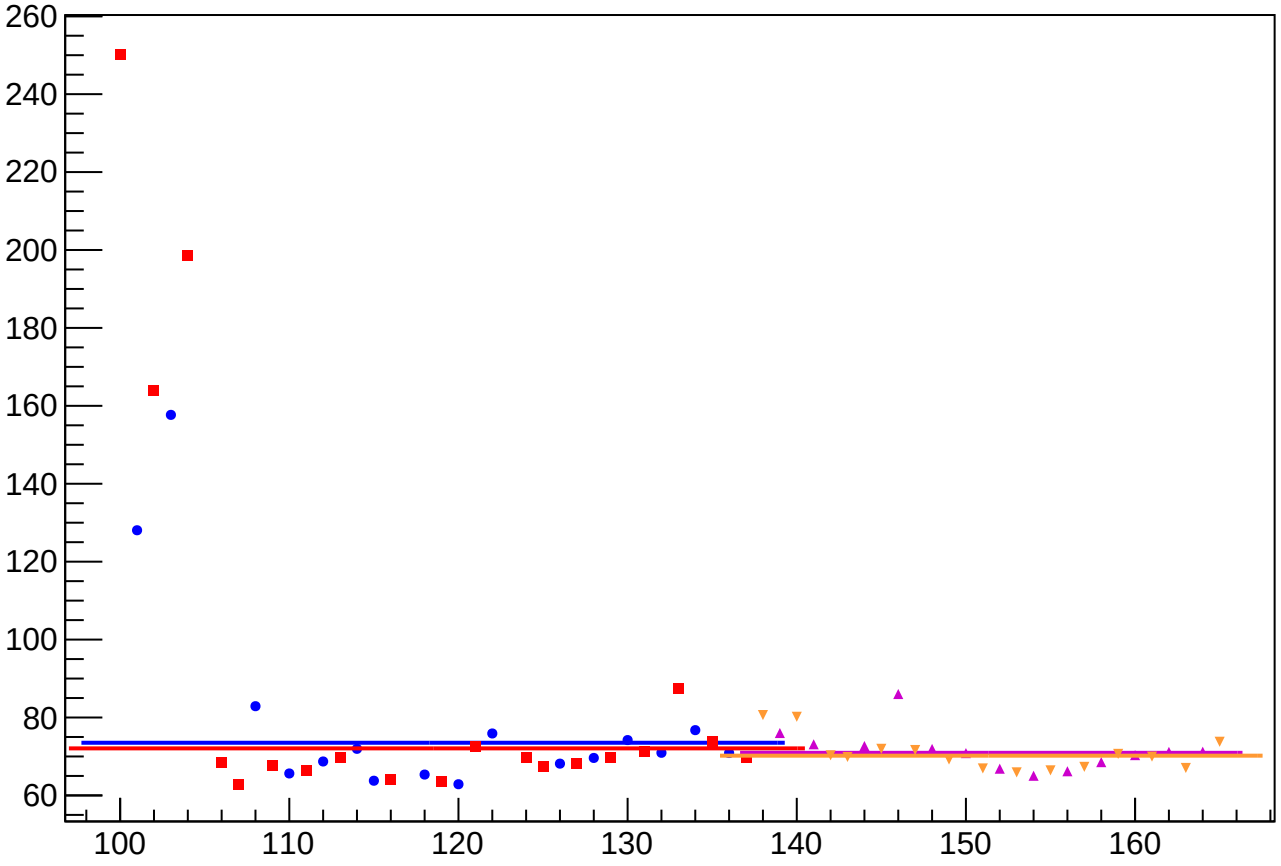
Left In: -99.165+/-21.514 χ^2/NDF:24.8/12

+ sign 52.050+/-16.563 χ^2/NDF: 49.7/30

All: 2.918+/-11.836 χ^2/NDF: 144.2/62

- sign -48.360+/-16.921 χ^2/NDF: 76.6/31

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.204+/-0.015 χ^2/NDF:79637.7/14

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

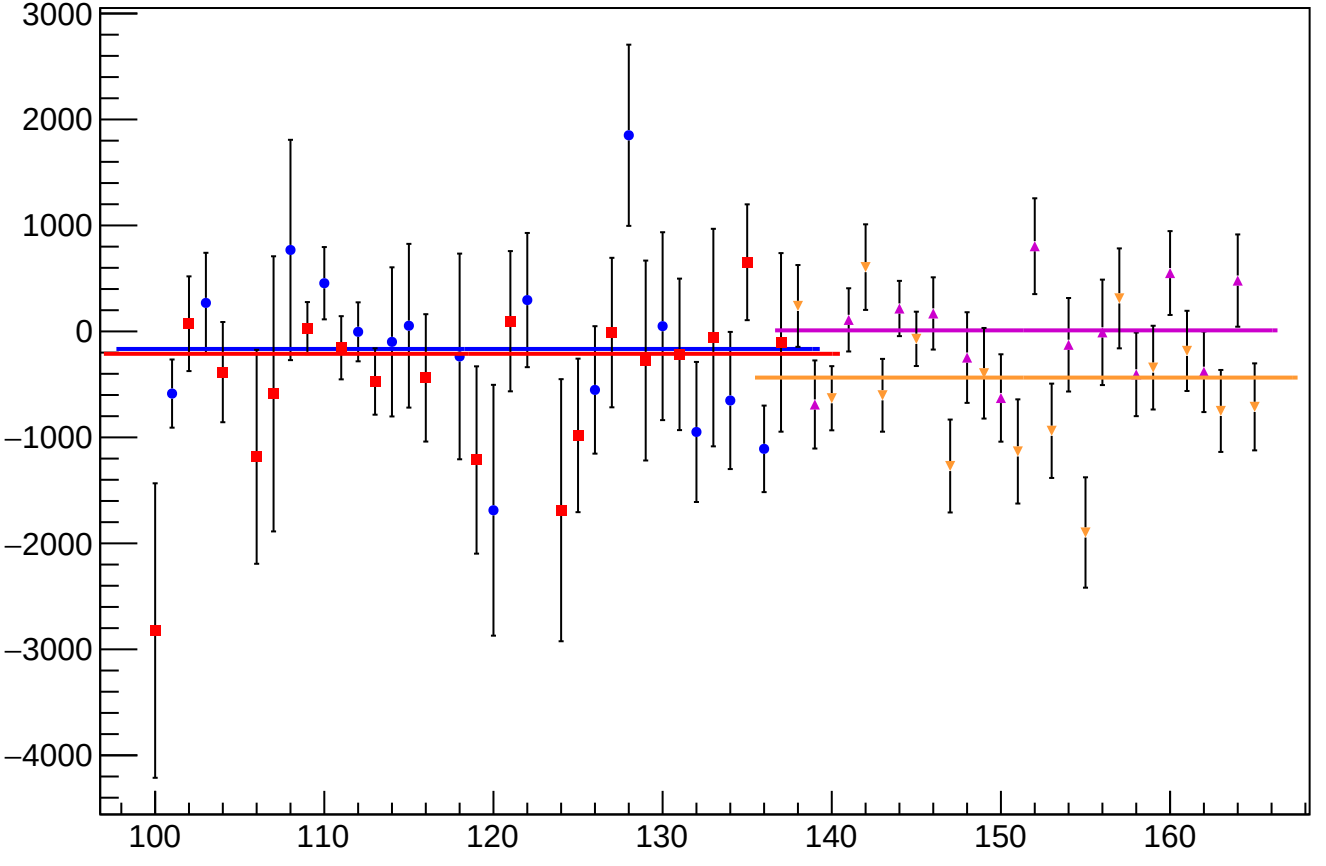
Left In: 70.934+/-0.015 χ^2/NDF:97084.1/12

+ sign 71.357+/-0.012 χ^2/NDF: 754656.5/30

All: 71.363+/-0.008 χ^2/NDF: 1812376.8/62

- sign 71.369+/-0.012 χ^2/NDF: 1057719.8/31

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -435.670+/-99.251 χ^2/NDF:31.3/14

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

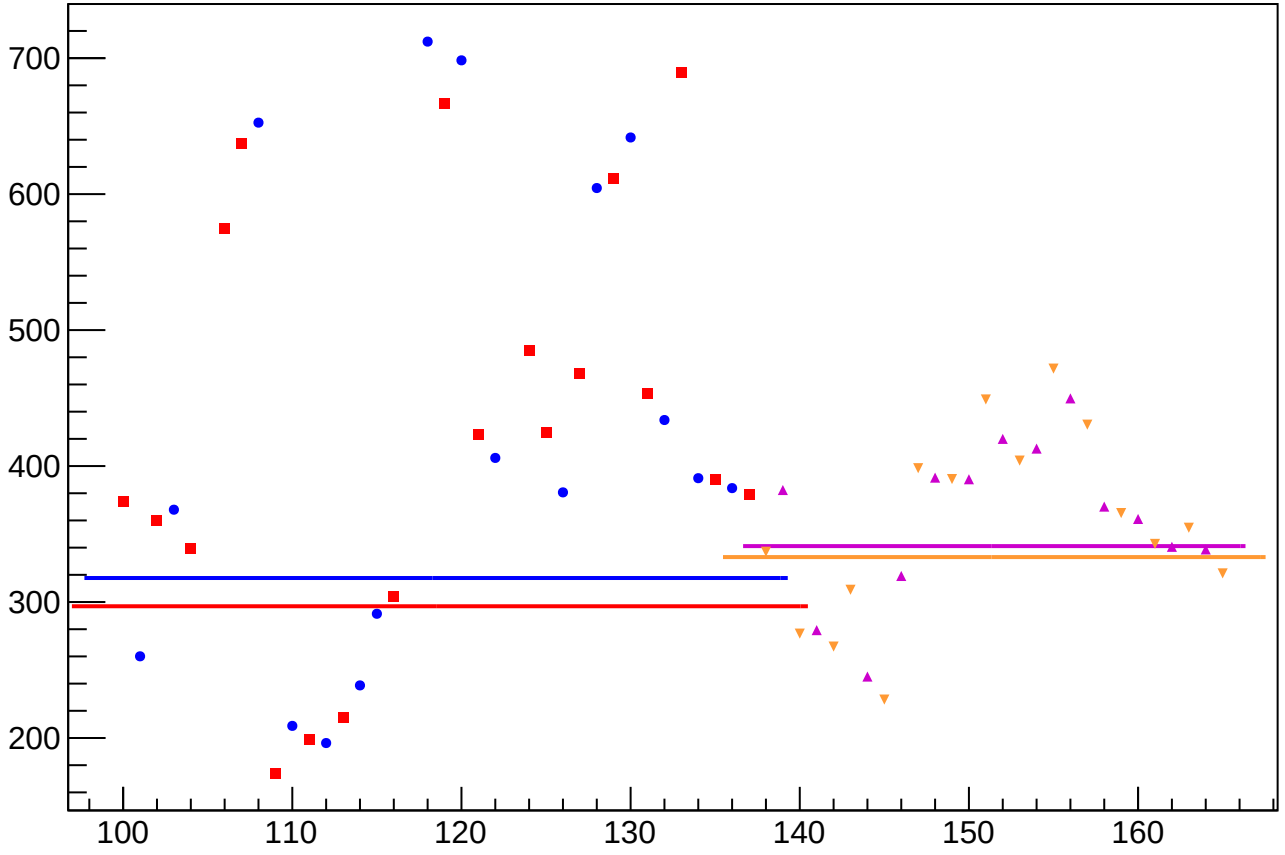
Left In: 9.887+/-104.963 χ^2/NDF:14.9/12

+ sign -334.656+/-78.535 χ^2/NDF: 56.7/30

All: -211.074+/-55.710 χ^2/NDF: 92.2/62

- sign -85.898+/-79.040 χ^2/NDF: 30.5/31

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 333.054+/-0.070 χ^2/NDF:958874.7/14

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

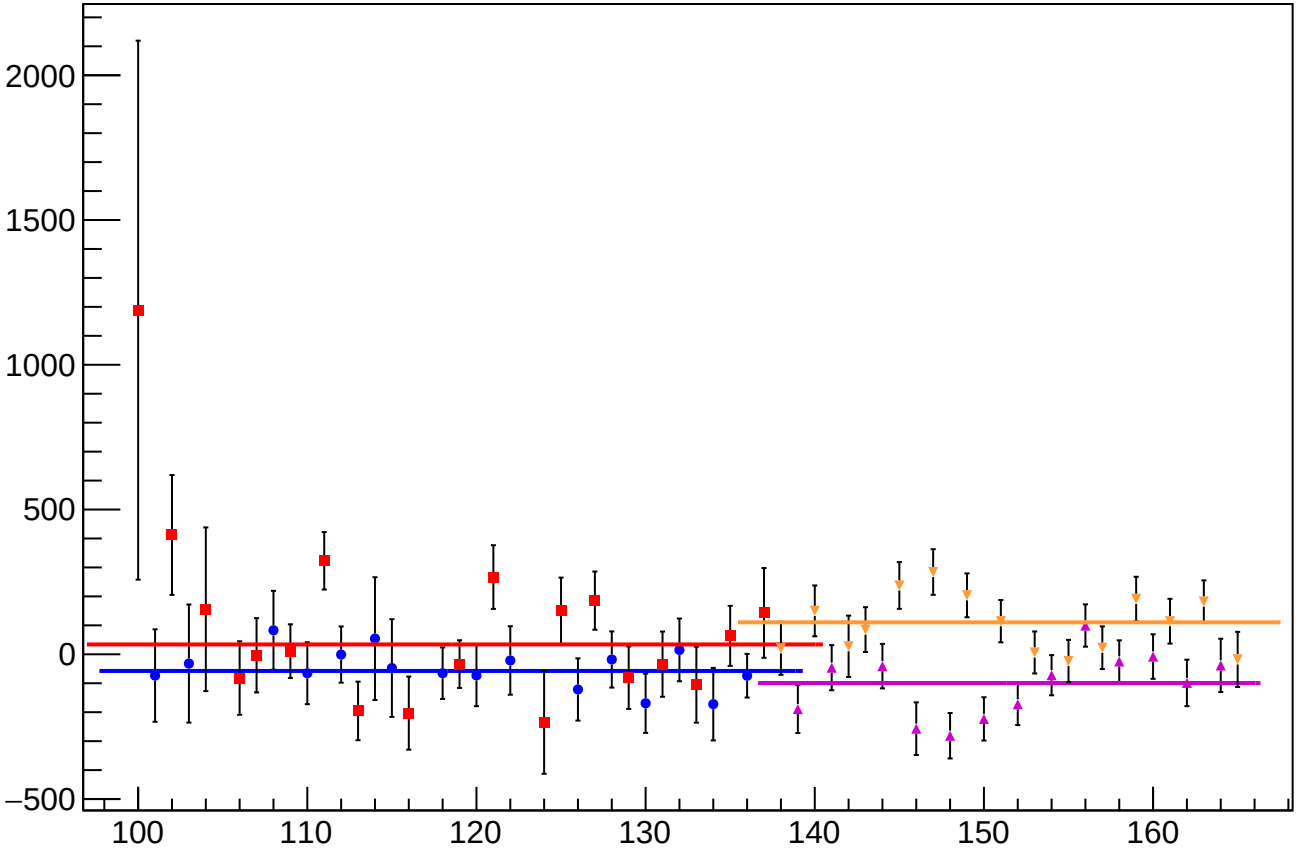
Left In: 341.127+/-0.074 χ^2/NDF:665885.1/12

+ sign 327.300+/-0.056 χ^2/NDF: 3113047.3/30

All: 324.654+/-0.039 χ^2/NDF: 6478362.2/62

- sign 321.973+/-0.056 χ^2/NDF: 3360744.3/31

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.477+/-20.509 χ^2/NDF:21.4/14

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

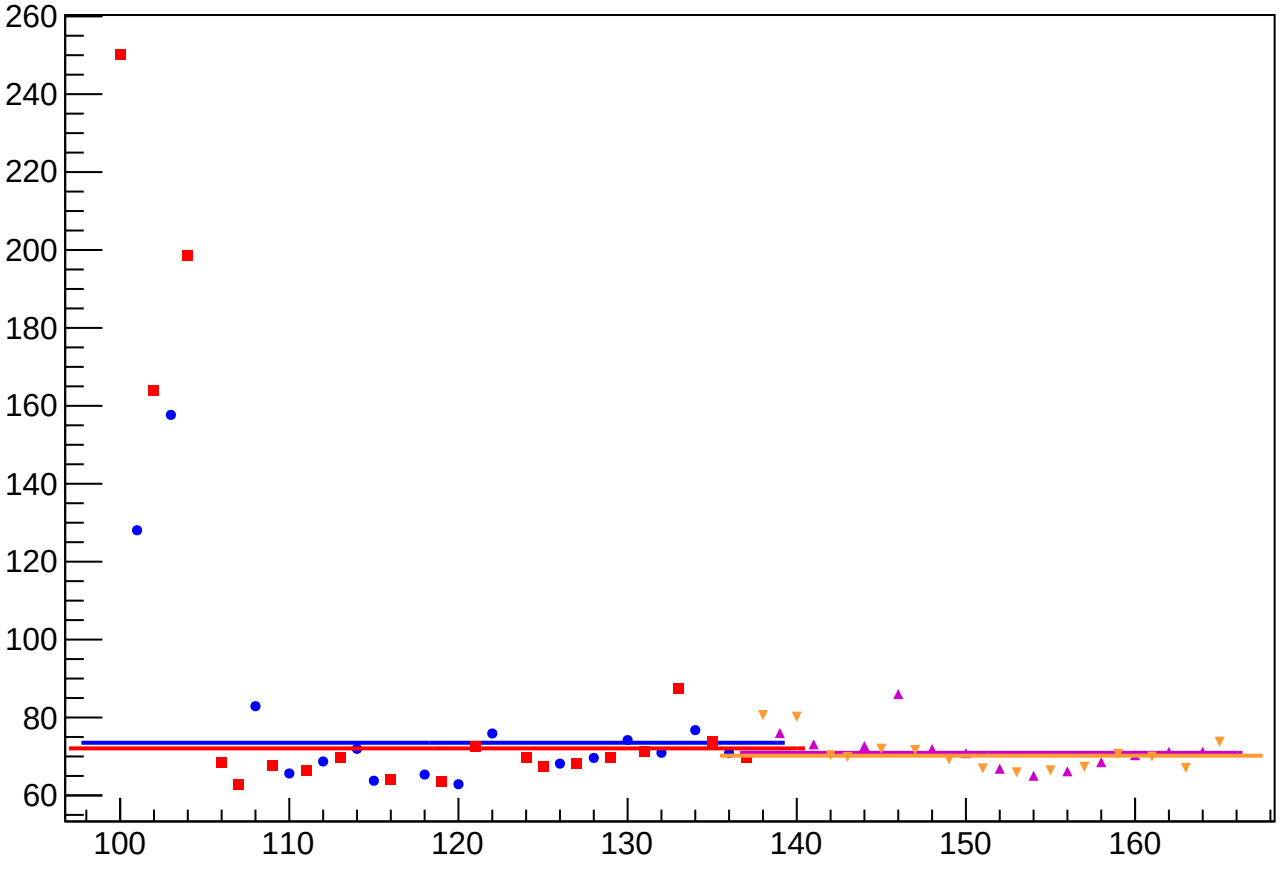
Left In: -99.164+/-21.514 χ^2/NDF:24.8/12

+ sign 52.051+/-16.563 χ^2/NDF: 49.7/30

All: 2.919+/-11.836 χ^2/NDF: 144.2/62

- sign -48.359+/-16.921 χ^2/NDF: 76.6/31

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.204+/-0.015 χ^2/NDF:79637.0/14

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

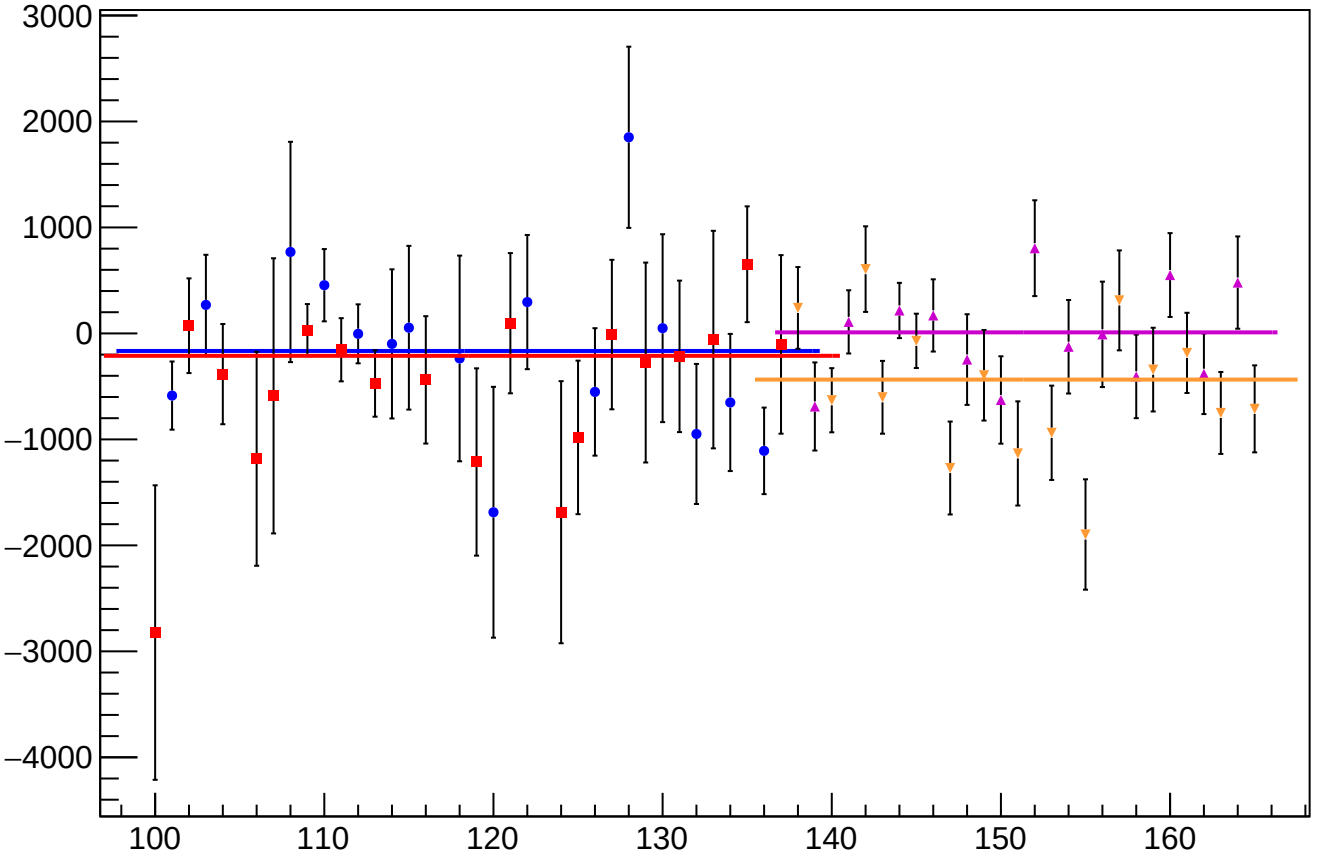
Left In: 70.934+/-0.015 χ^2/NDF:97084.6/12

+ sign 71.357+/-0.012 χ^2/NDF: 754656.1/30

All: 71.363+/-0.008 χ^2/NDF: 1812377.9/62

- sign 71.369+/-0.012 χ^2/NDF: 1057721.3/31

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -435.669+/-99.251 χ^2/NDF:31.3/14

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

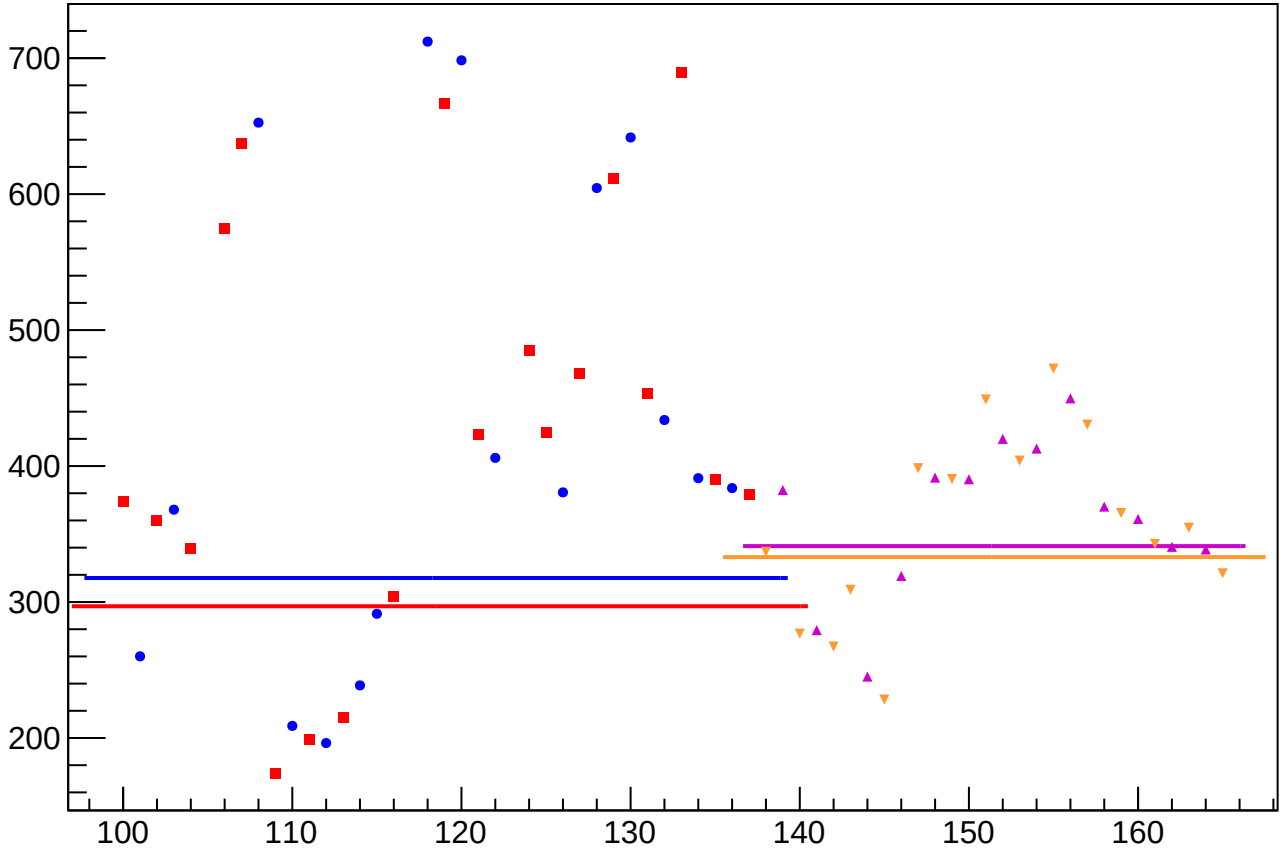
Left In: 9.888+/-104.963 χ^2/NDF:14.9/12

+ sign -334.655+/-78.535 χ^2/NDF: 56.7/30

All: -211.073+/-55.710 χ^2/NDF: 92.2/62

- sign -85.898+/-79.039 χ^2/NDF: 30.5/31

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 333.054+/-0.070 χ^2/NDF:958885.9/14

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

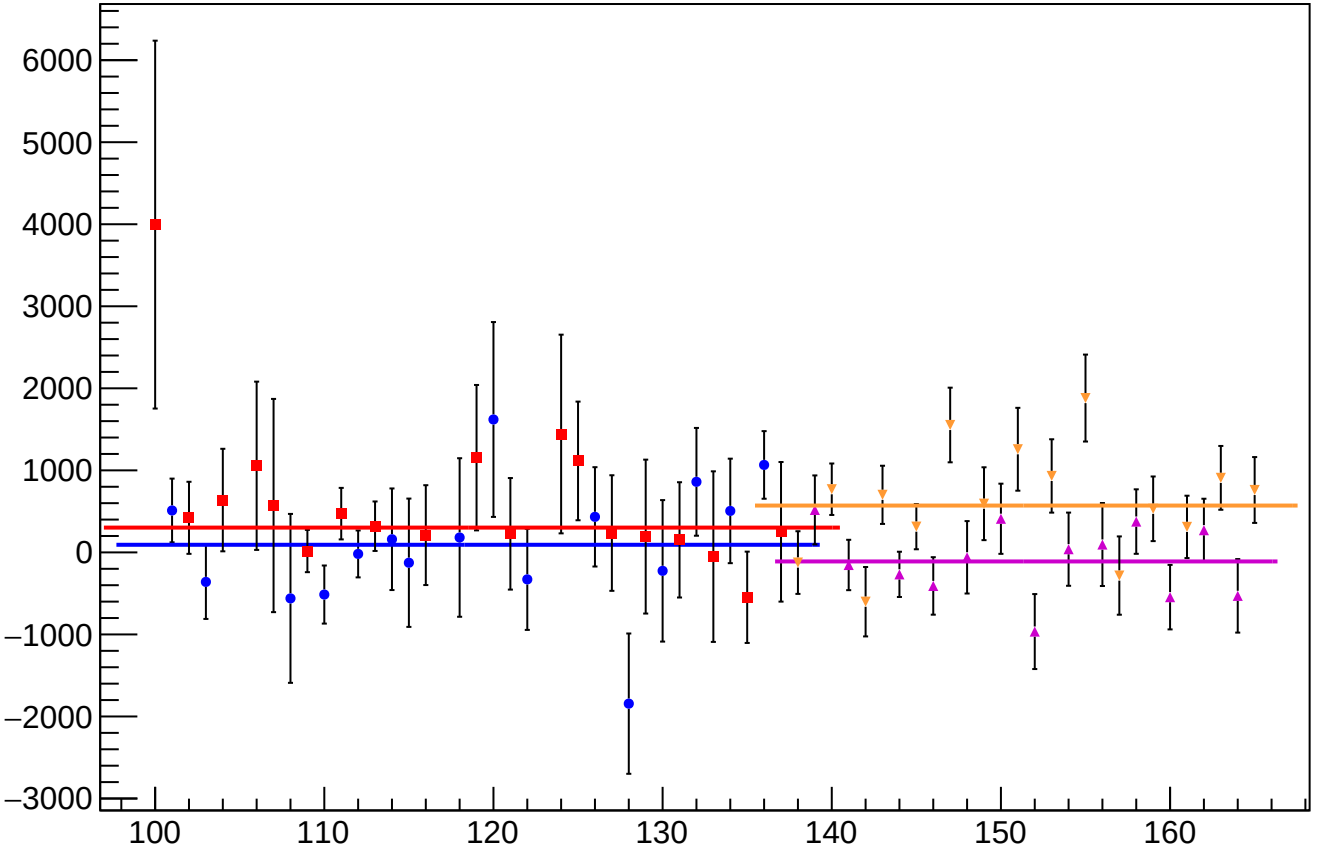
Left In: 341.127+/-0.074 χ^2/NDF:665891.1/12

+ sign 327.299+/-0.056 χ^2/NDF: 3113095.0/30

All: 324.653+/-0.039 χ^2/NDF: 6478436.0/62

- sign 321.972+/-0.056 χ^2/NDF: 3360771.0/31

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 570.972+/-101.709 χ^2/NDF:30.3/14

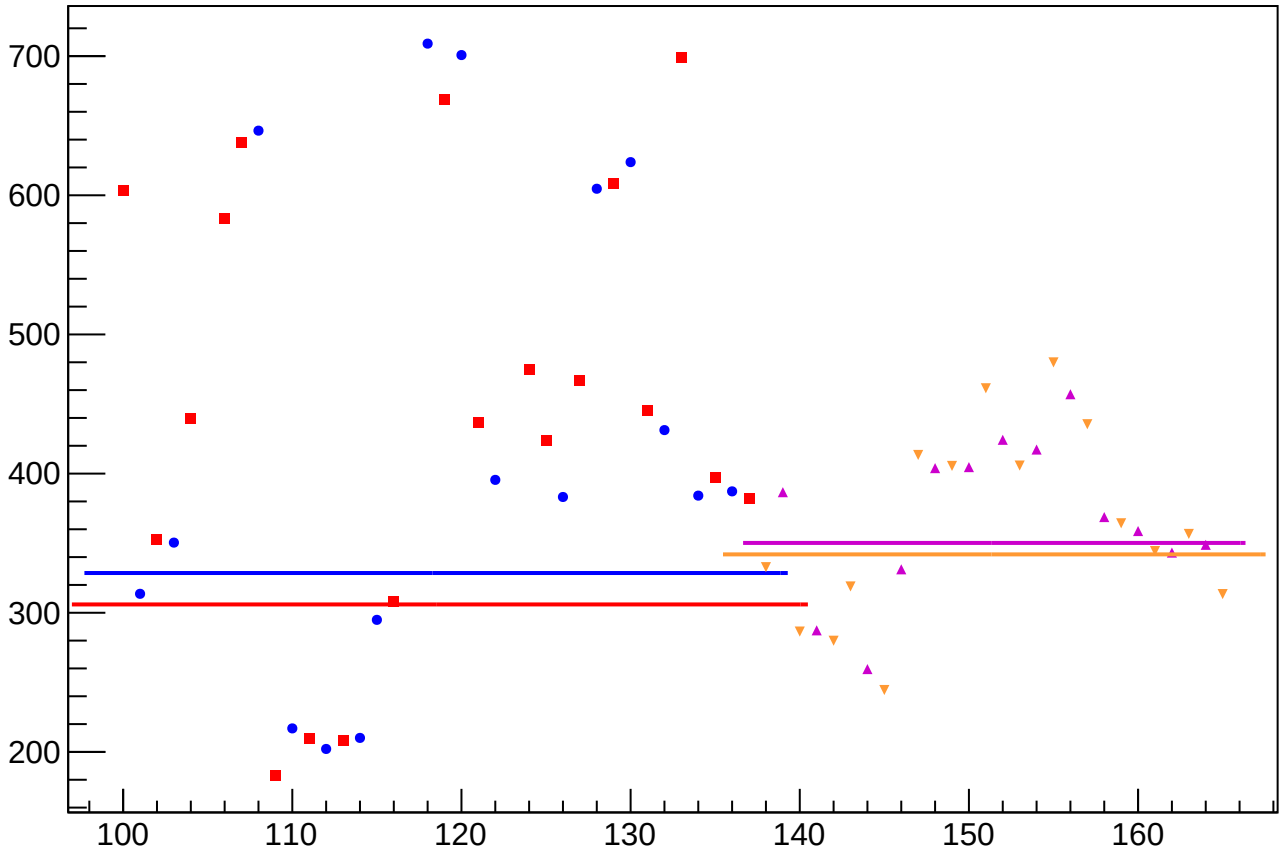
Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: -110.310+/-107.451 χ^2/NDF:13.2/12

\+ sign 392.716+/-80.550 χ^2/NDF: 59.4/30

All: 231.013+/-57.179 χ^2/NDF: 97.8/62

\- sign 66.767+/-81.181 χ^2/NDF: 30.3/31



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 341.955+/-0.072 χ^2/NDF:839507.7/14

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

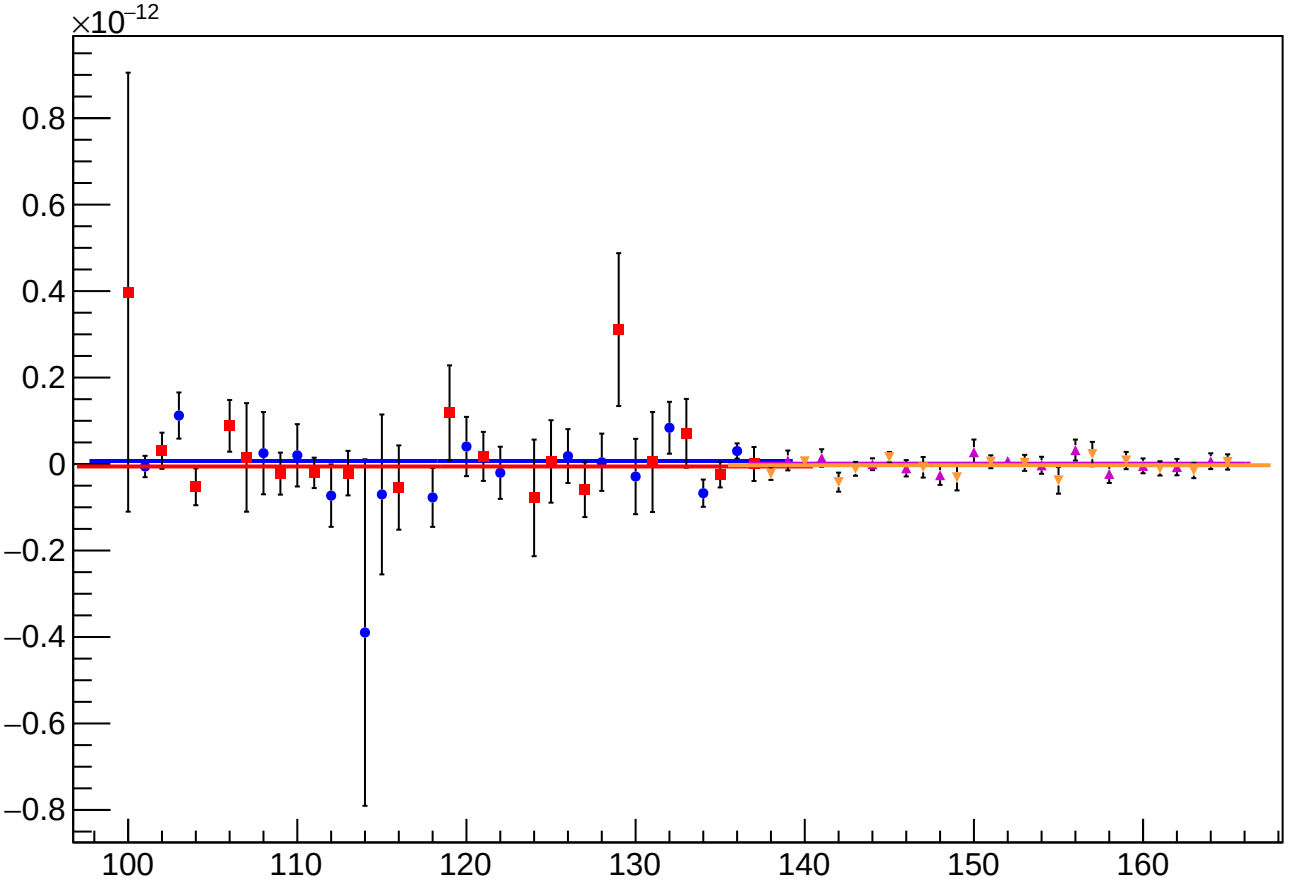
Left In: 350.183+/-0.076 χ^2/NDF:576024.6/12

+ sign 336.964+/-0.057 χ^2/NDF: 2811299.8/30

All: 334.112+/-0.040 χ^2/NDF: 6065053.4/62

- sign 331.215+/-0.057 χ^2/NDF: 3248699.6/31

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/14

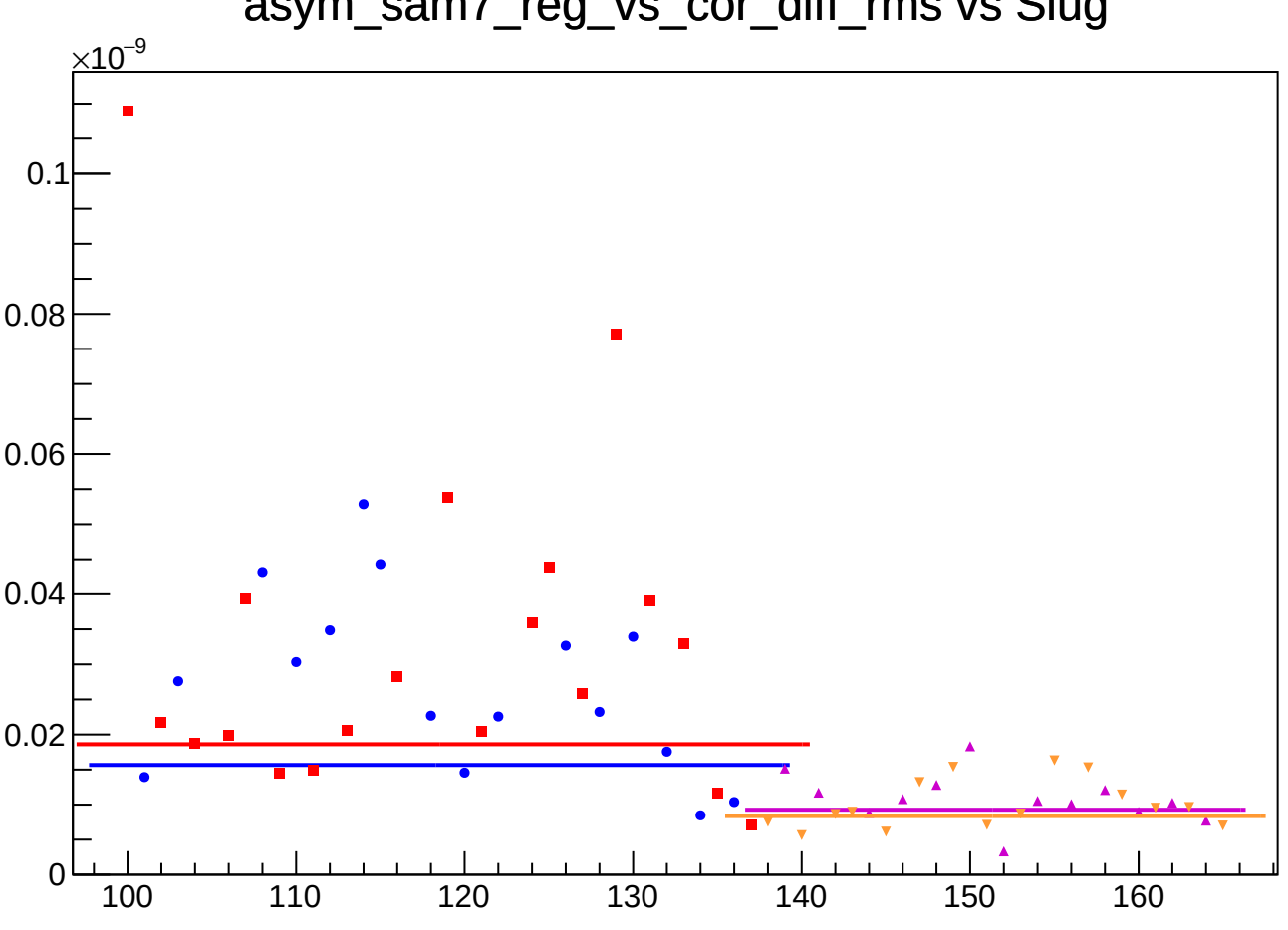
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/30

All: -0.000+/-0.000 χ^2/NDF: 51.1/62

- sign 0.000+/-0.000 χ^2/NDF: 19.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:751739.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

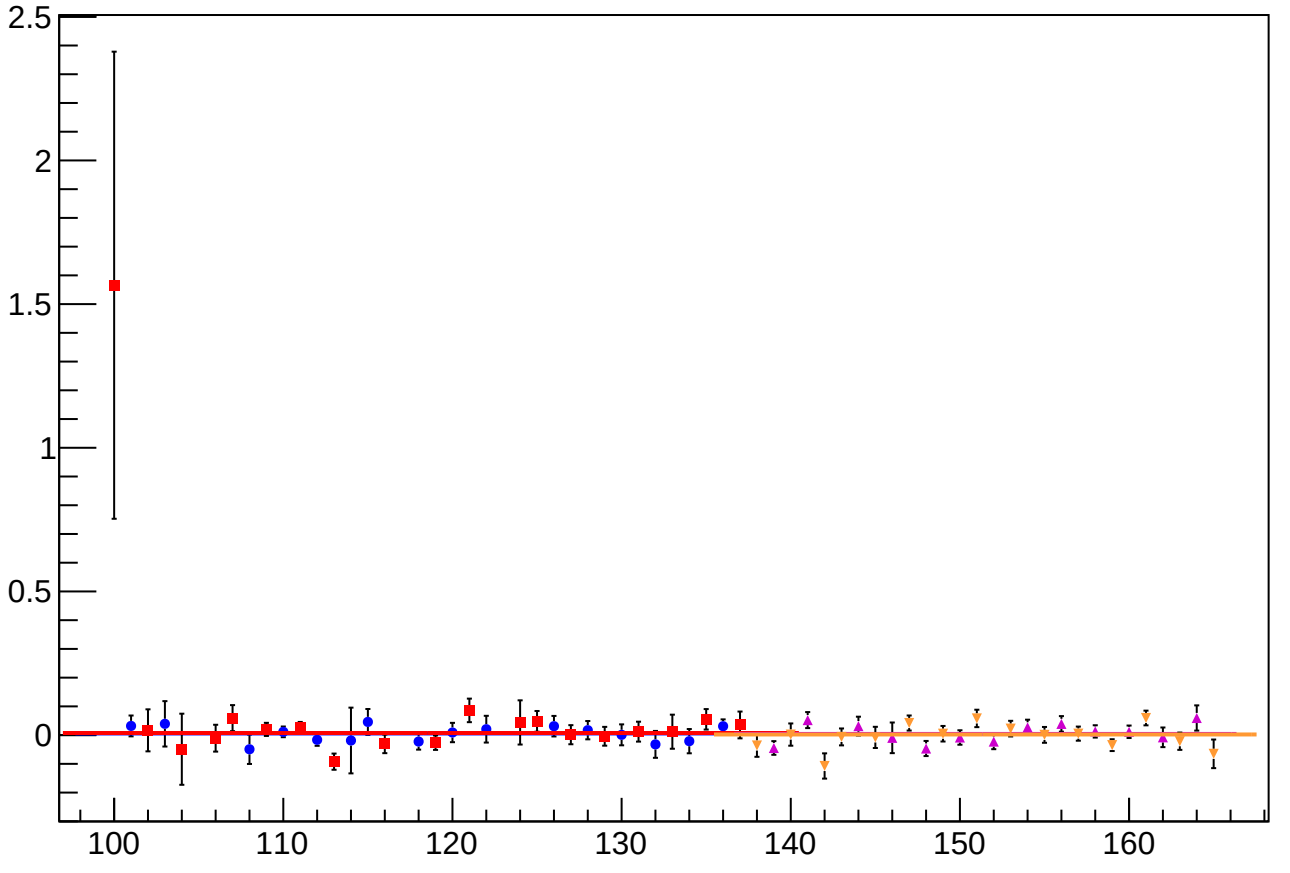
Left In: 0.000+/-0.000 χ^2/NDF:1012188.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 2680448.9/30

All: 0.000+/-0.000 χ^2/NDF: 5907000.8/62

- sign 0.000+/-0.000 χ^2/NDF: 3157041.2/31

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

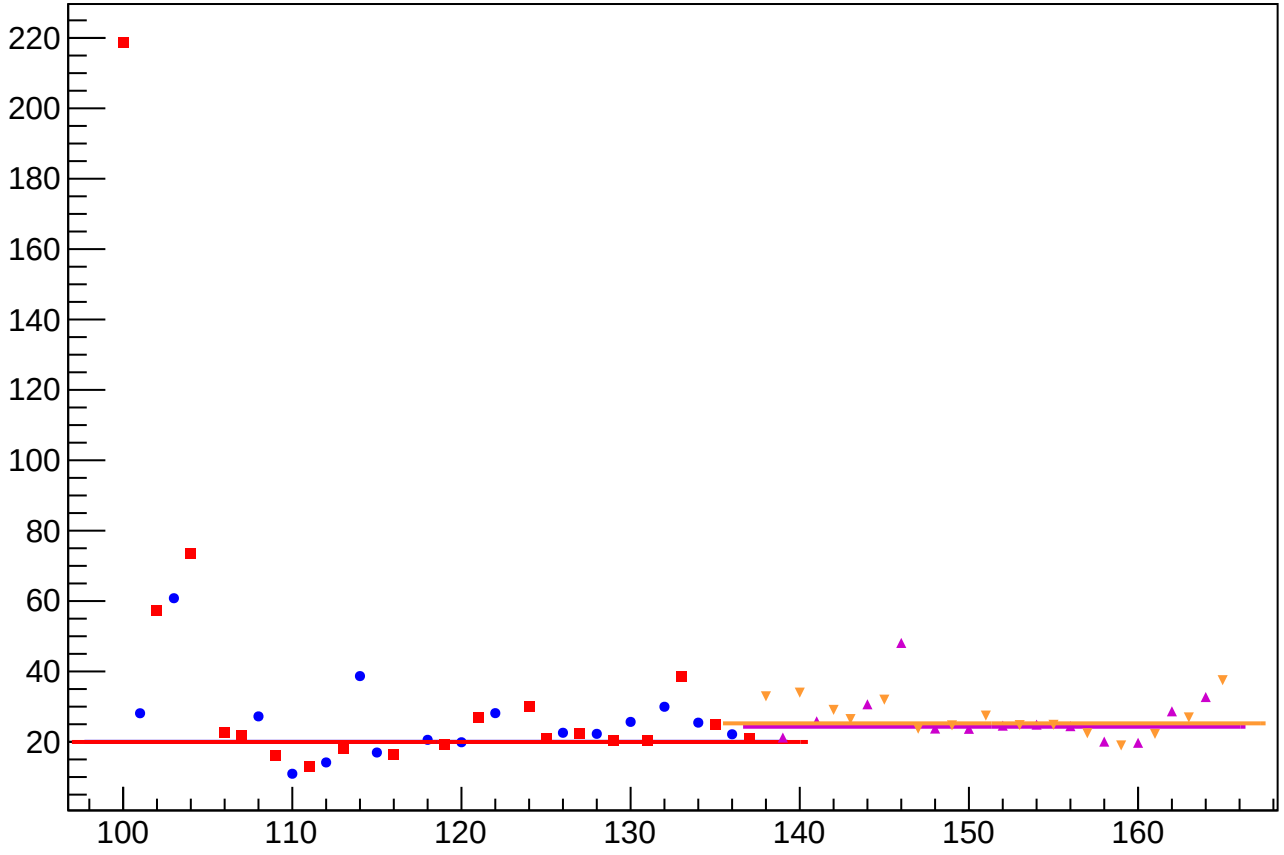
Left In: 0.004+/-0.008 χ^2/NDF:17.3/12

+ sign 0.004+/-0.006 χ^2/NDF: 32.3/30

All: 0.005+/-0.004 χ^2/NDF: 79.6/62

- sign 0.006+/-0.006 χ^2/NDF: 47.2/31

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.252+/-0.005 χ^2/NDF:648971.9/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

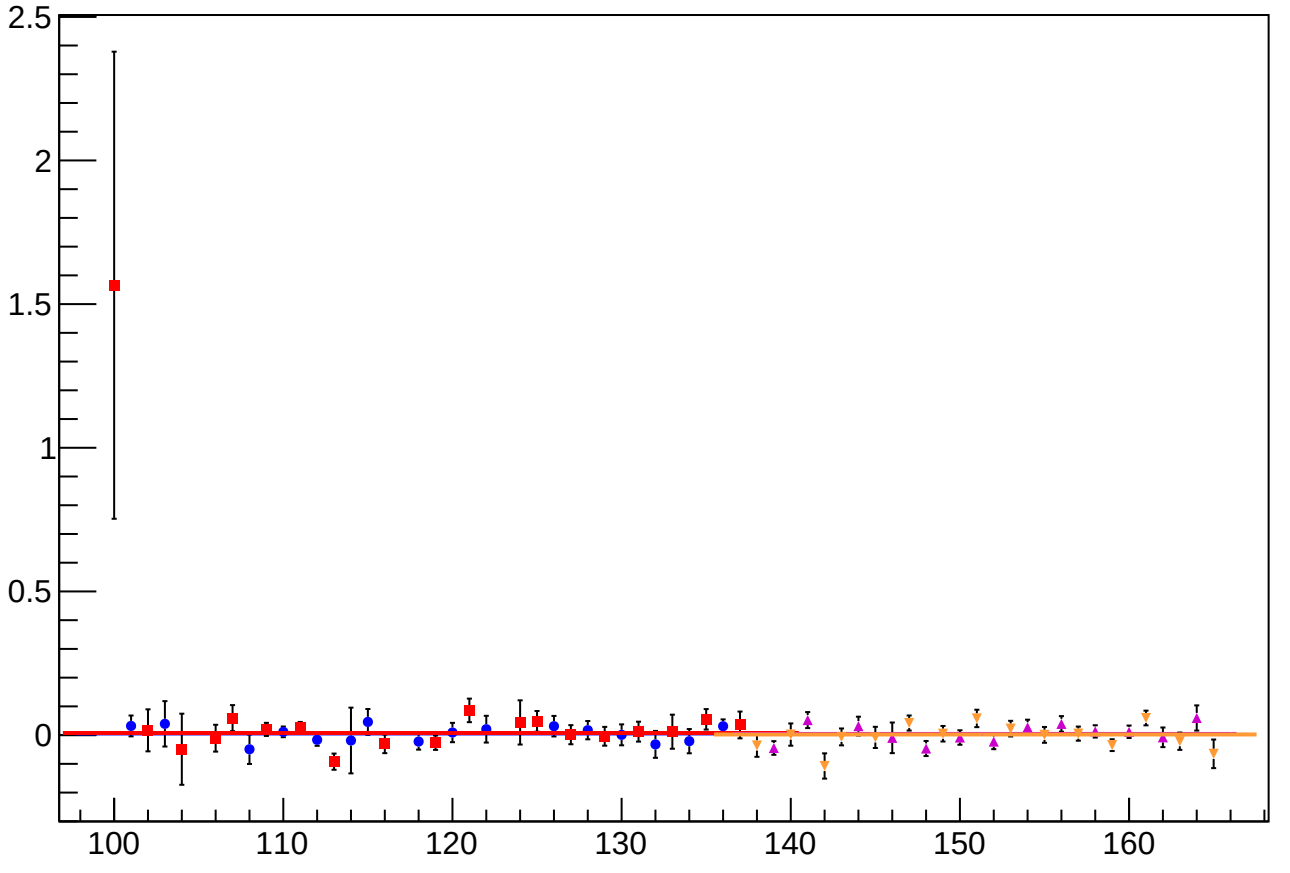
Left In: 24.292+/-0.005 χ^2/NDF:789980.8/12

+ sign 22.816+/-0.004 χ^2/NDF: 2733745.9/30

All: 22.537+/-0.003 χ^2/NDF: 5554051.0/62

- sign 22.258+/-0.004 χ^2/NDF: 2810215.8/31

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

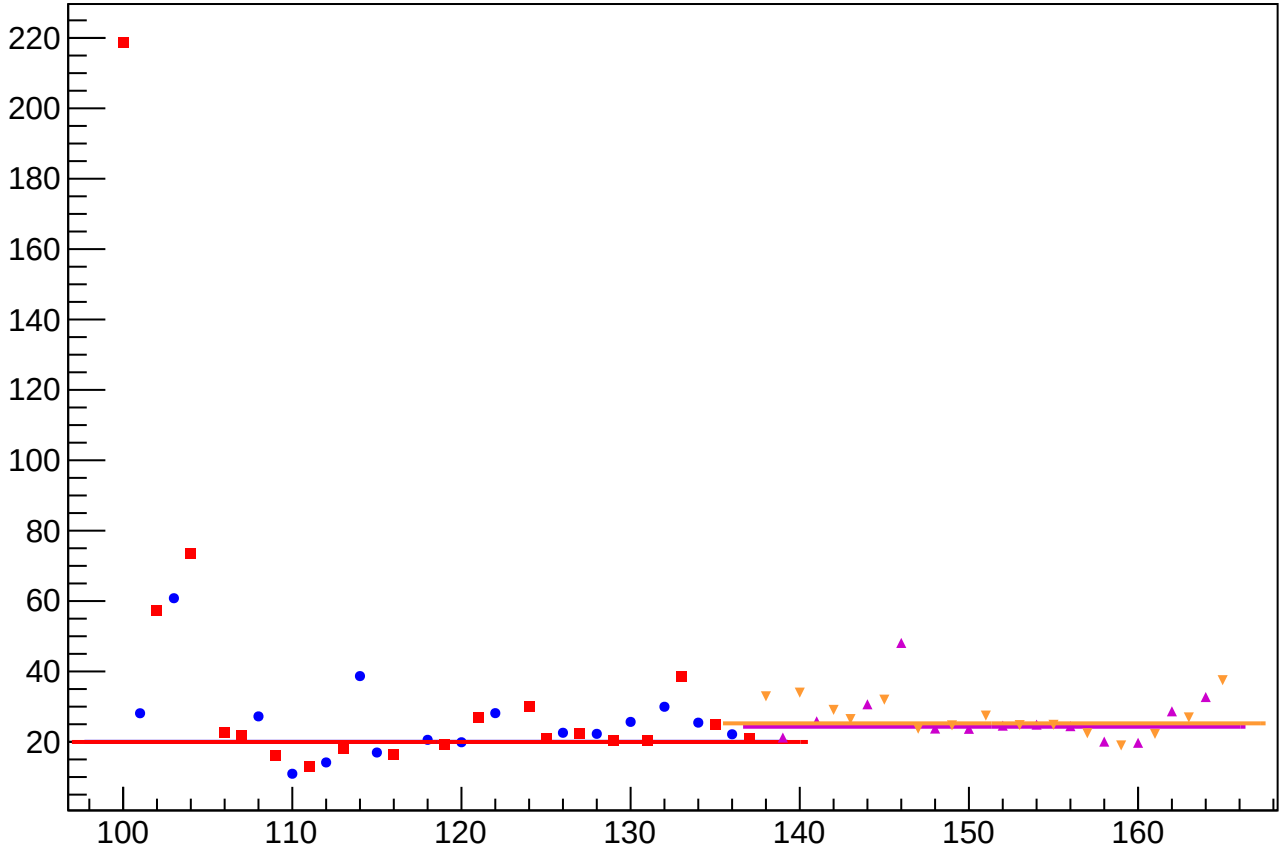
Left In: 0.004+/-0.008 χ^2/NDF:17.3/12

+ sign 0.004+/-0.006 χ^2/NDF: 32.3/30

All: 0.005+/-0.004 χ^2/NDF: 79.6/62

- sign 0.006+/-0.006 χ^2/NDF: 47.2/31

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.252+/-0.005 χ^2/NDF:648971.9/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

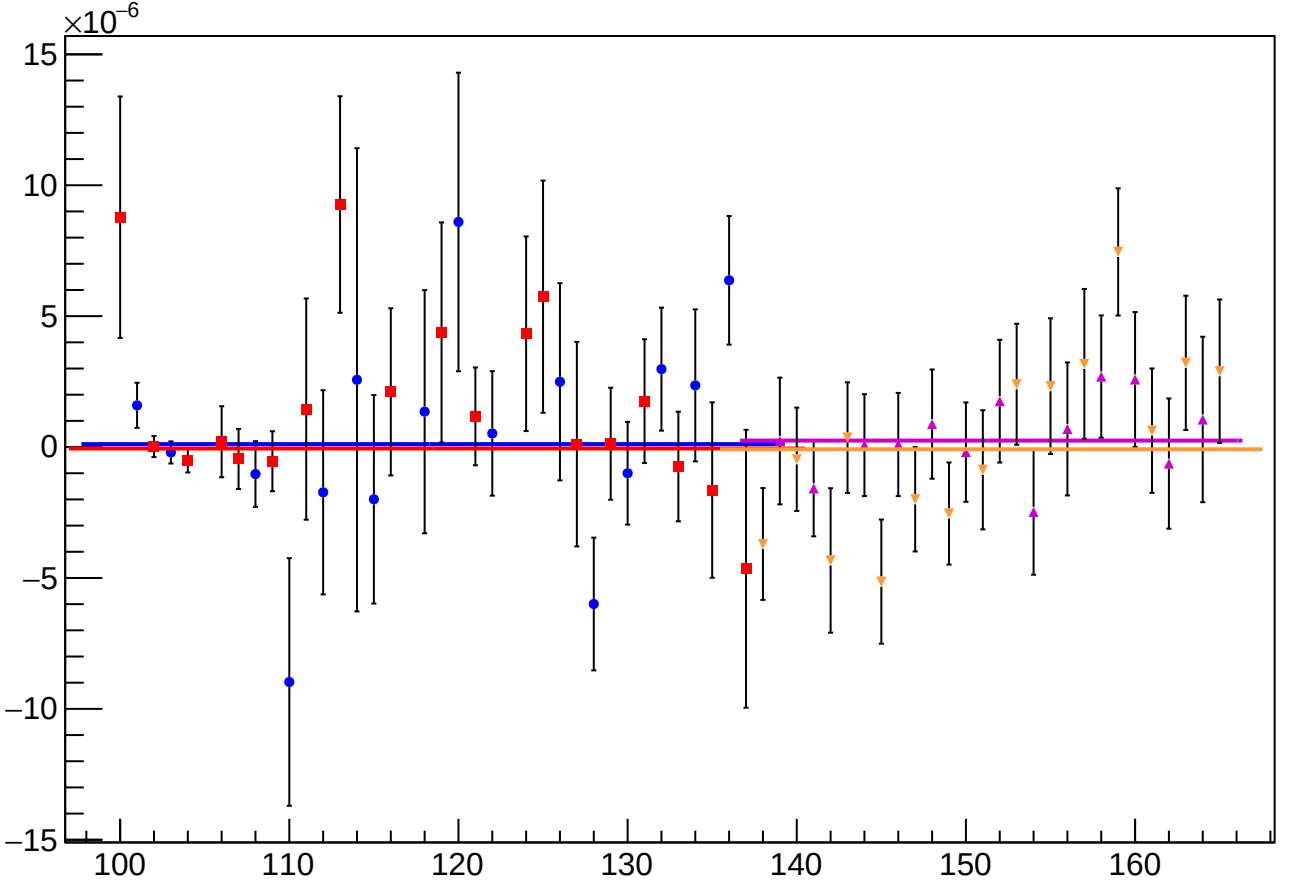
Left In: 24.292+/-0.005 χ^2/NDF:789980.8/12

+ sign 22.816+/-0.004 χ^2/NDF: 2733745.9/30

All: 22.537+/-0.003 χ^2/NDF: 5554051.0/62

- sign 22.258+/-0.004 χ^2/NDF: 2810215.8/31

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

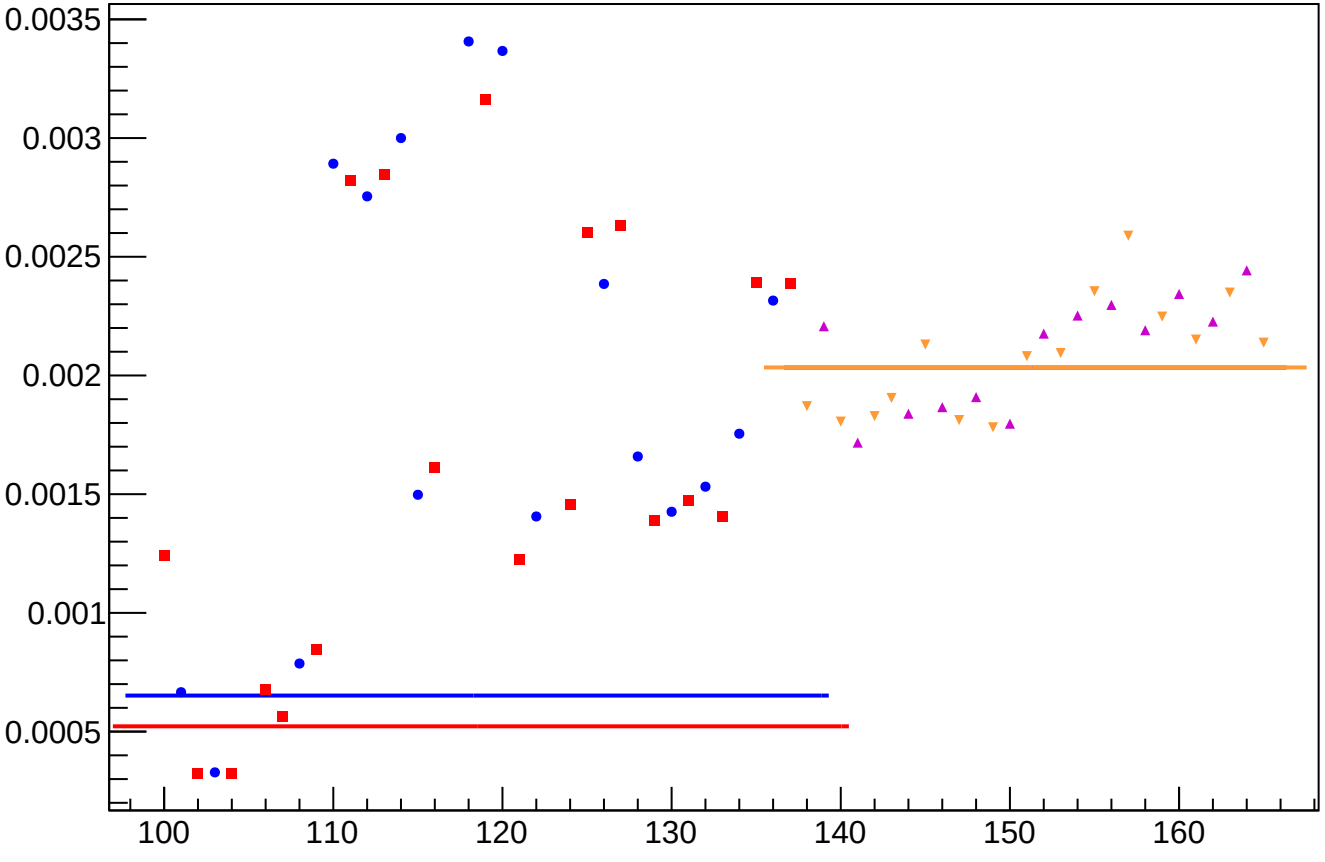
Left In: 0.000+/-0.000 χ^2/NDF:5.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 54.5/30

All: 0.000+/-0.000 χ^2/NDF: 76.8/62

- sign -0.000+/-0.000 χ^2/NDF: 22.3/31

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:279959.7/14

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

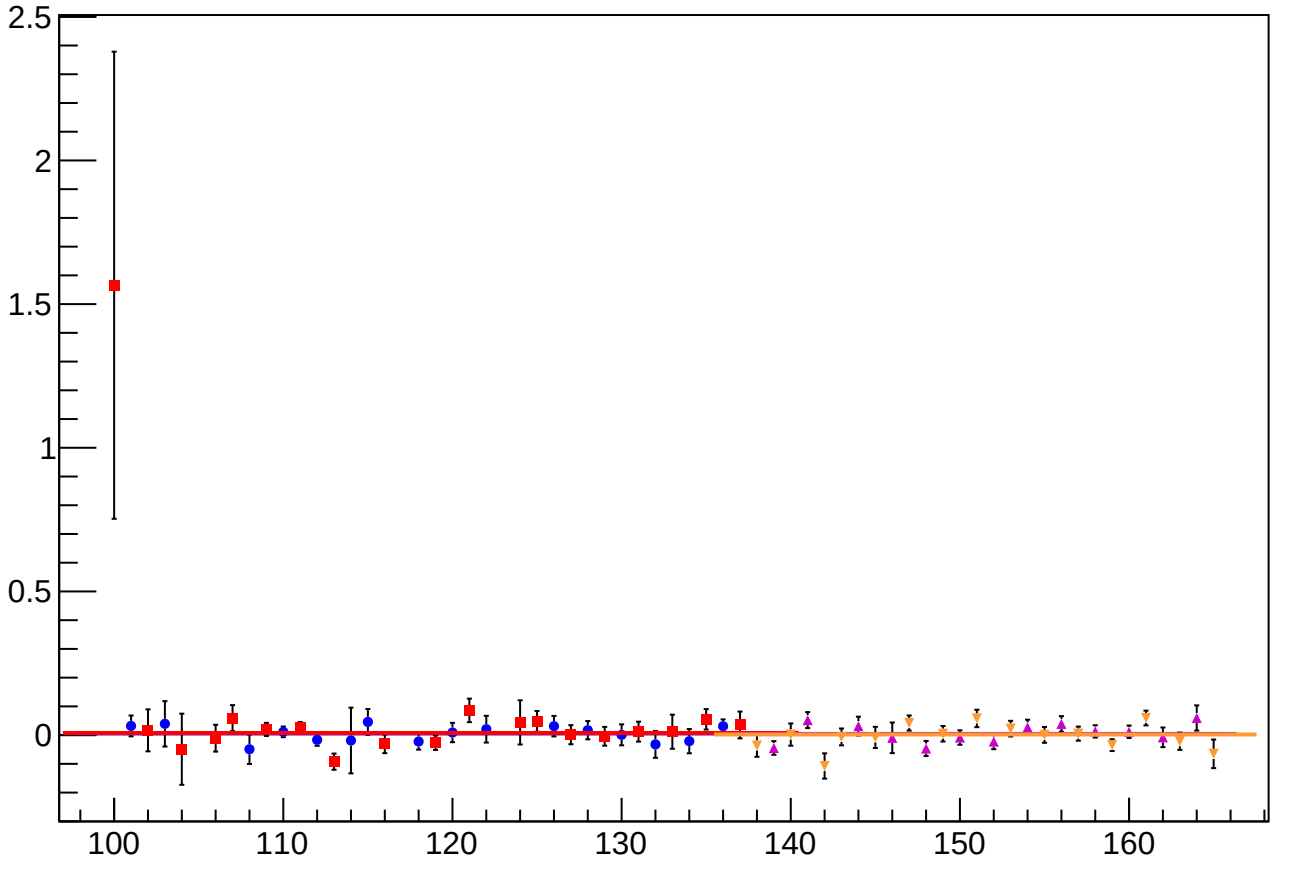
Left In: 0.002+/-0.000 χ^2/NDF:271759.2/12

+ sign 0.001+/-0.000 χ^2/NDF: 14808732.1/30

All: 0.001+/-0.000 χ^2/NDF: 32619391.6/62

- sign 0.001+/-0.000 χ^2/NDF: 17056999.7/31

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

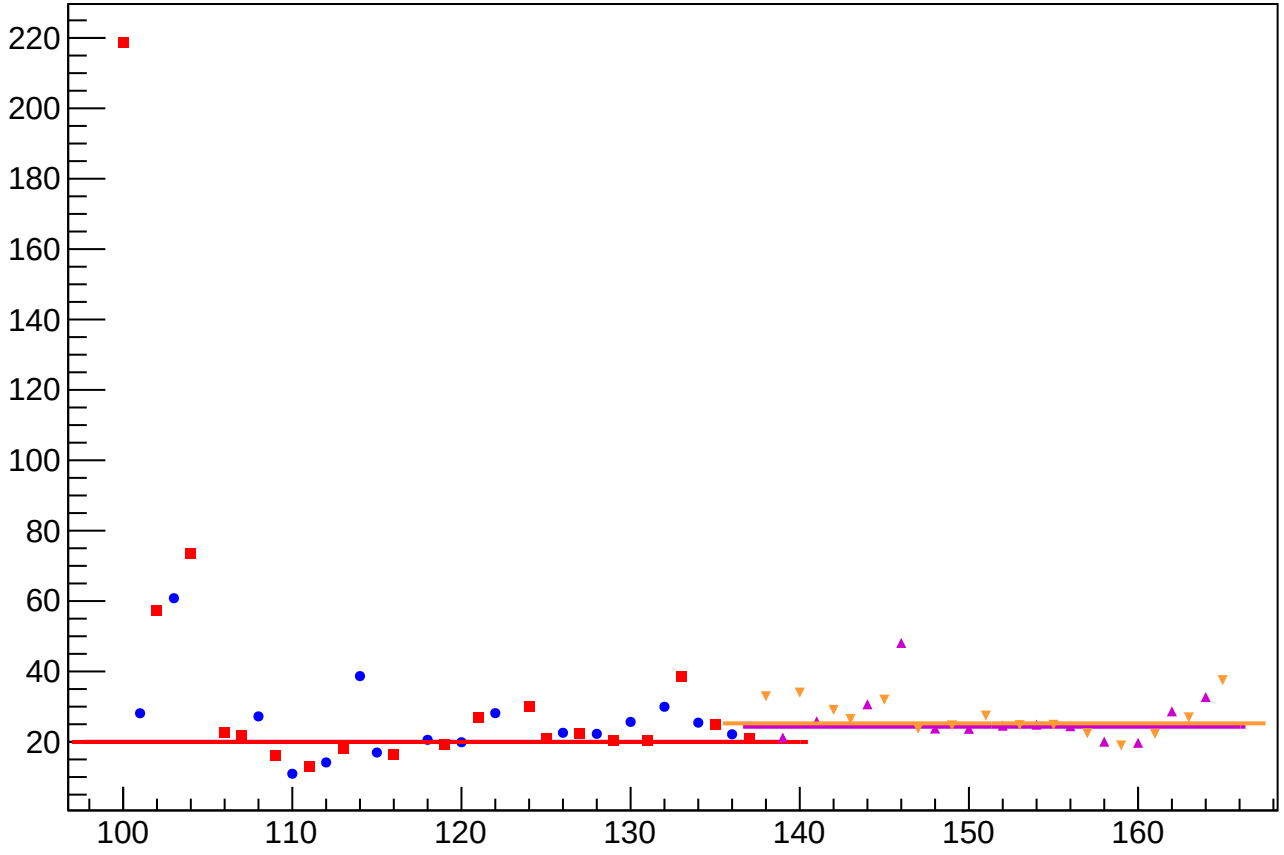
Left In: 0.004+/-0.008 χ^2/NDF:17.3/12

+ sign 0.004+/-0.006 χ^2/NDF: 32.3/30

All: 0.005+/-0.004 χ^2/NDF: 79.6/62

- sign 0.006+/-0.006 χ^2/NDF: 47.2/31

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.252+/-0.005 χ^2/NDF:649009.2/14

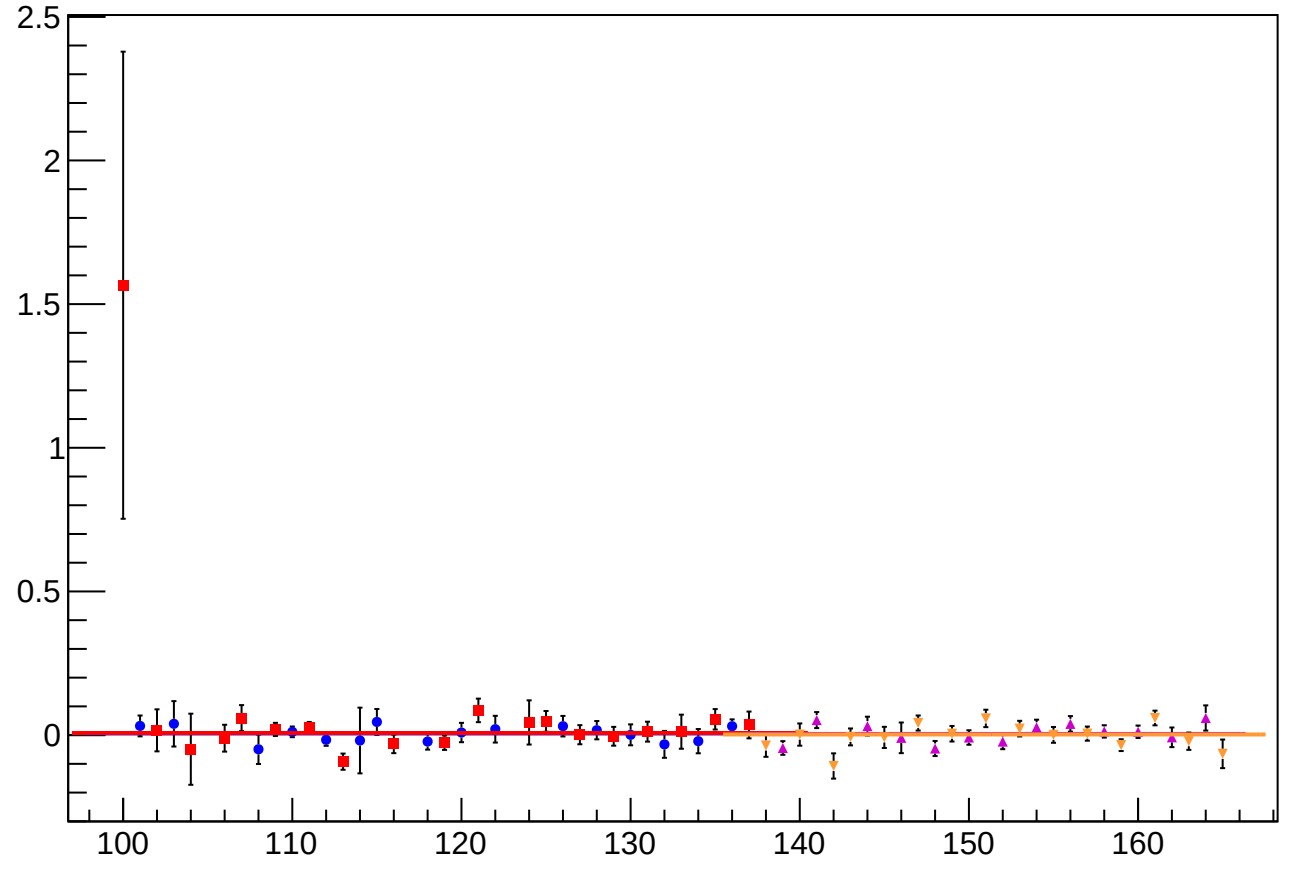
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.292+/-0.005 χ^2/NDF:790019.8/12

+ sign 22.817+/-0.004 χ^2/NDF: 2733513.6/30

All: 22.537+/-0.003 χ^2/NDF: 5553768.5/62

- sign 22.259+/-0.004 χ^2/NDF: 2810158.2/31



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.008 χ^2/NDF:24.3/14

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

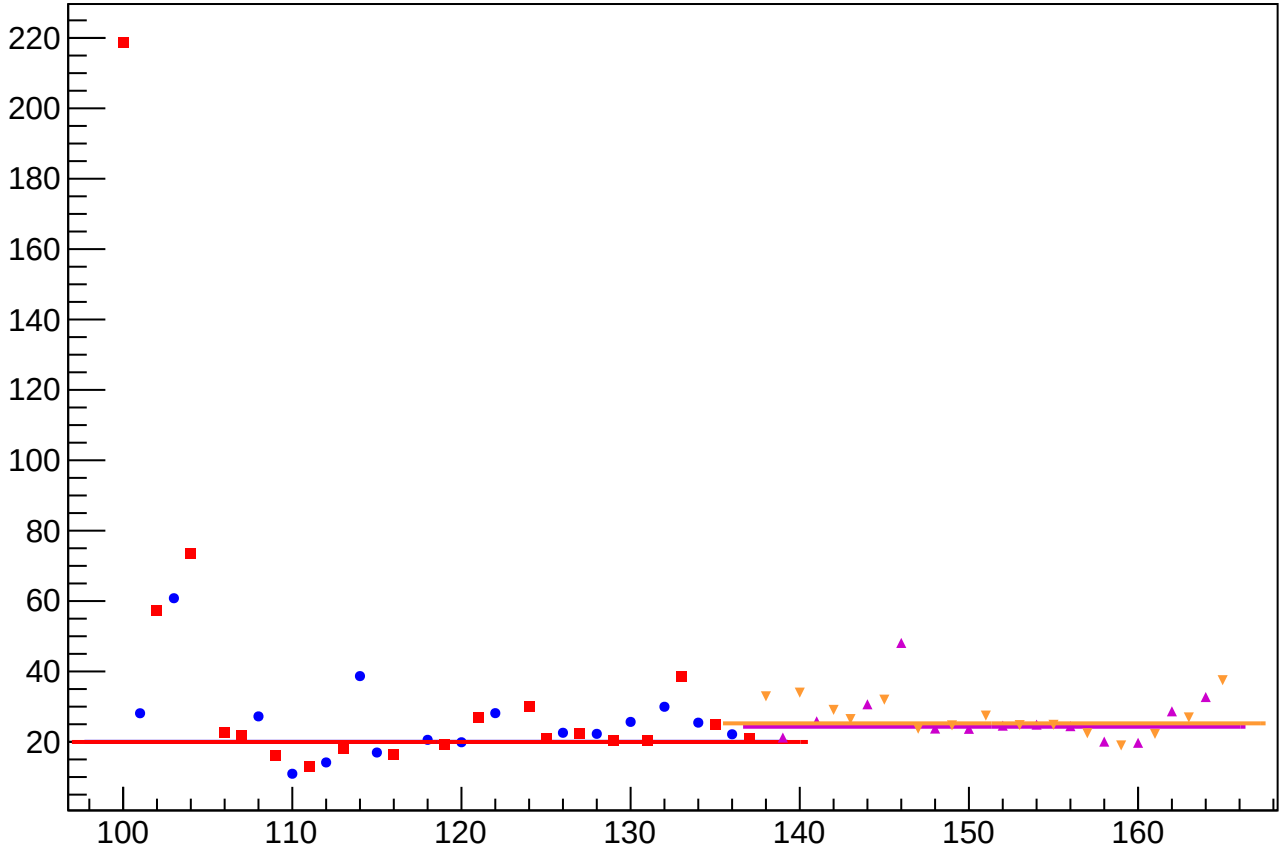
Left In: 0.004+/-0.008 χ^2/NDF:17.3/12

+ sign 0.004+/-0.006 χ^2/NDF: 32.3/30

All: 0.005+/-0.004 χ^2/NDF: 79.6/62

- sign 0.006+/-0.006 χ^2/NDF: 47.2/31

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.252+/-0.005 χ^2/NDF:649009.2/14

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

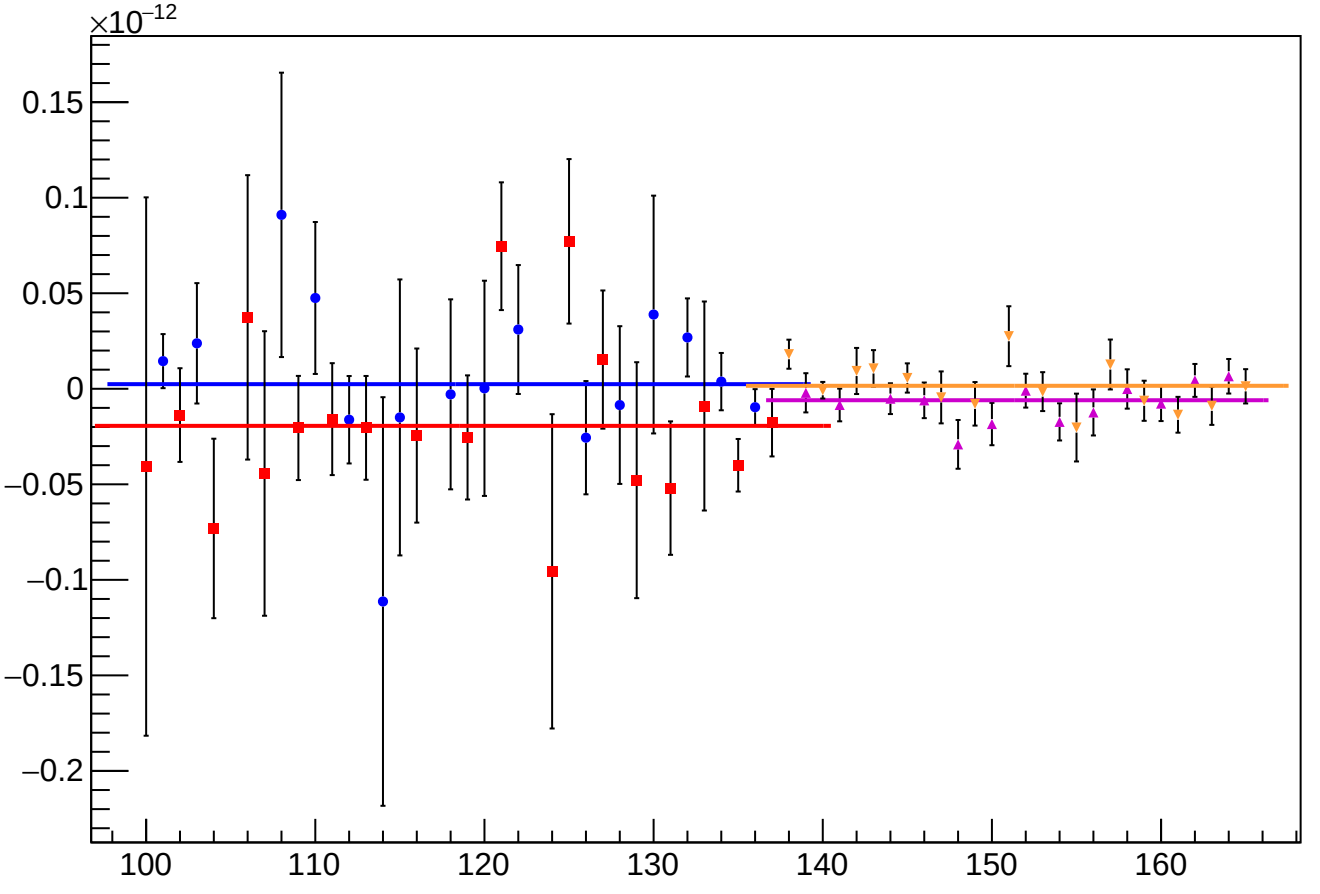
Left In: 24.292+/-0.005 χ^2/NDF:790019.8/12

+ sign 22.817+/-0.004 χ^2/NDF: 2733513.6/30

All: 22.537+/-0.003 χ^2/NDF: 5553768.5/62

- sign 22.259+/-0.004 χ^2/NDF: 2810158.2/31

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:16.8/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

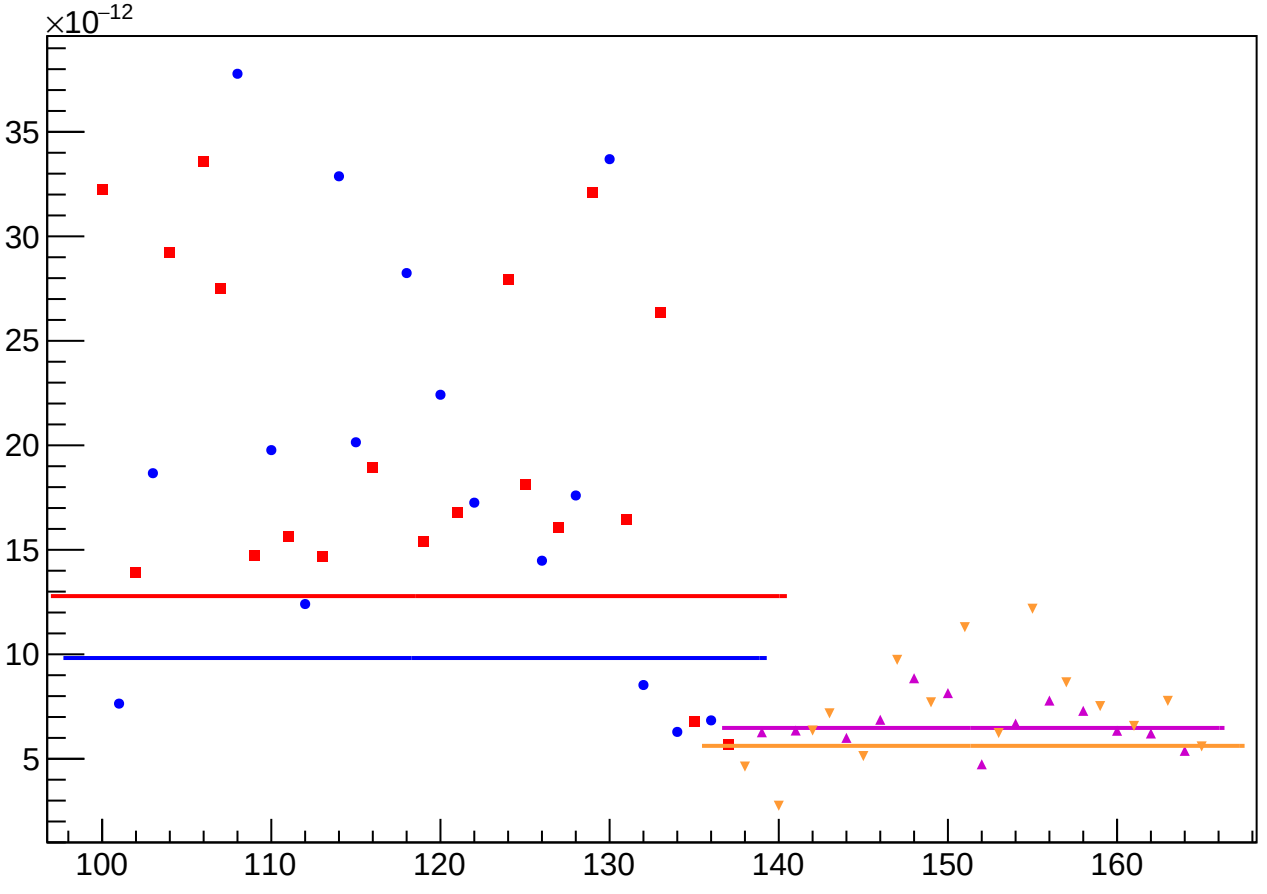
Left In: -0.000+/-0.000 χ^2/NDF:10.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 27.7/30

All: -0.000+/-0.000 χ^2/NDF: 69.6/62

- sign -0.000+/-0.000 χ^2/NDF: 33.9/31

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2053019.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

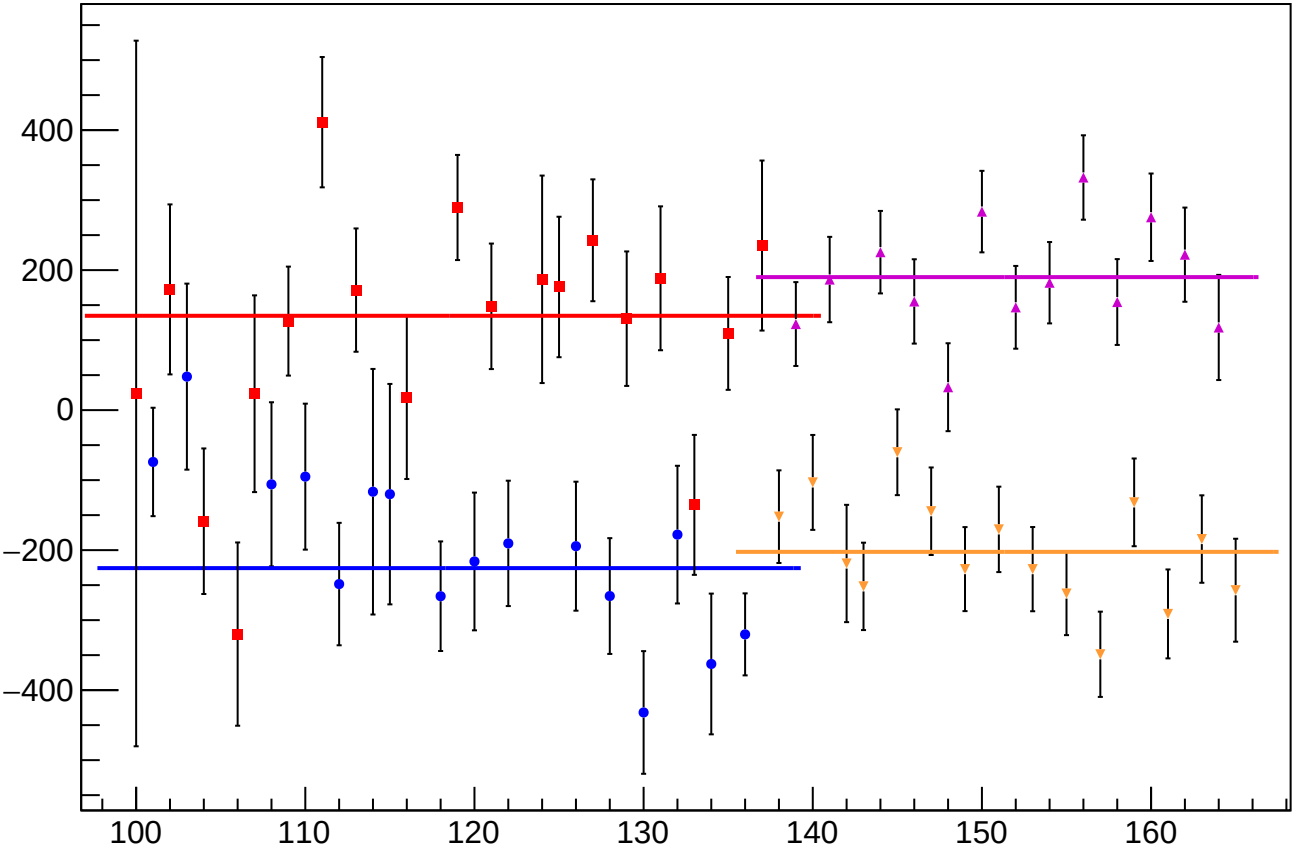
Left In: 0.000+/-0.000 χ^2/NDF:272110.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 4957846.8/30

All: 0.000+/-0.000 χ^2/NDF: 8627919.2/62

- sign 0.000+/-0.000 χ^2/NDF: 3470479.4/31

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -202.454+/-16.470 χ^2/NDF:20.9/14

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

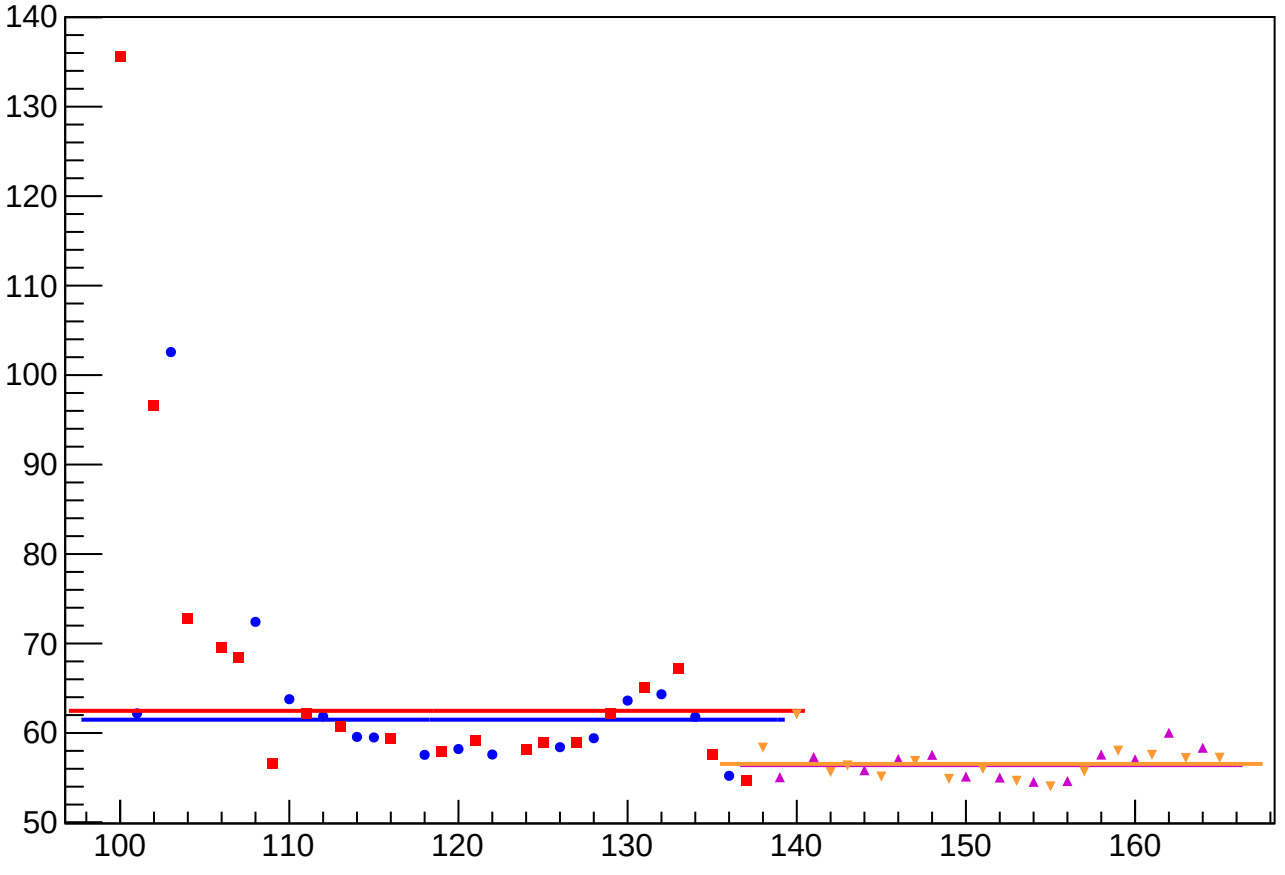
Left In: 190.014+/-17.055 χ^2/NDF:20.3/12

+ sign -210.278+/-13.414 χ^2/NDF: 44.2/30

All: -24.393+/-9.598 χ^2/NDF: 506.9/62

- sign 170.622+/-13.740 χ^2/NDF: 69.2/31

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.543+/-0.012 χ^2/NDF:25945.4/14

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

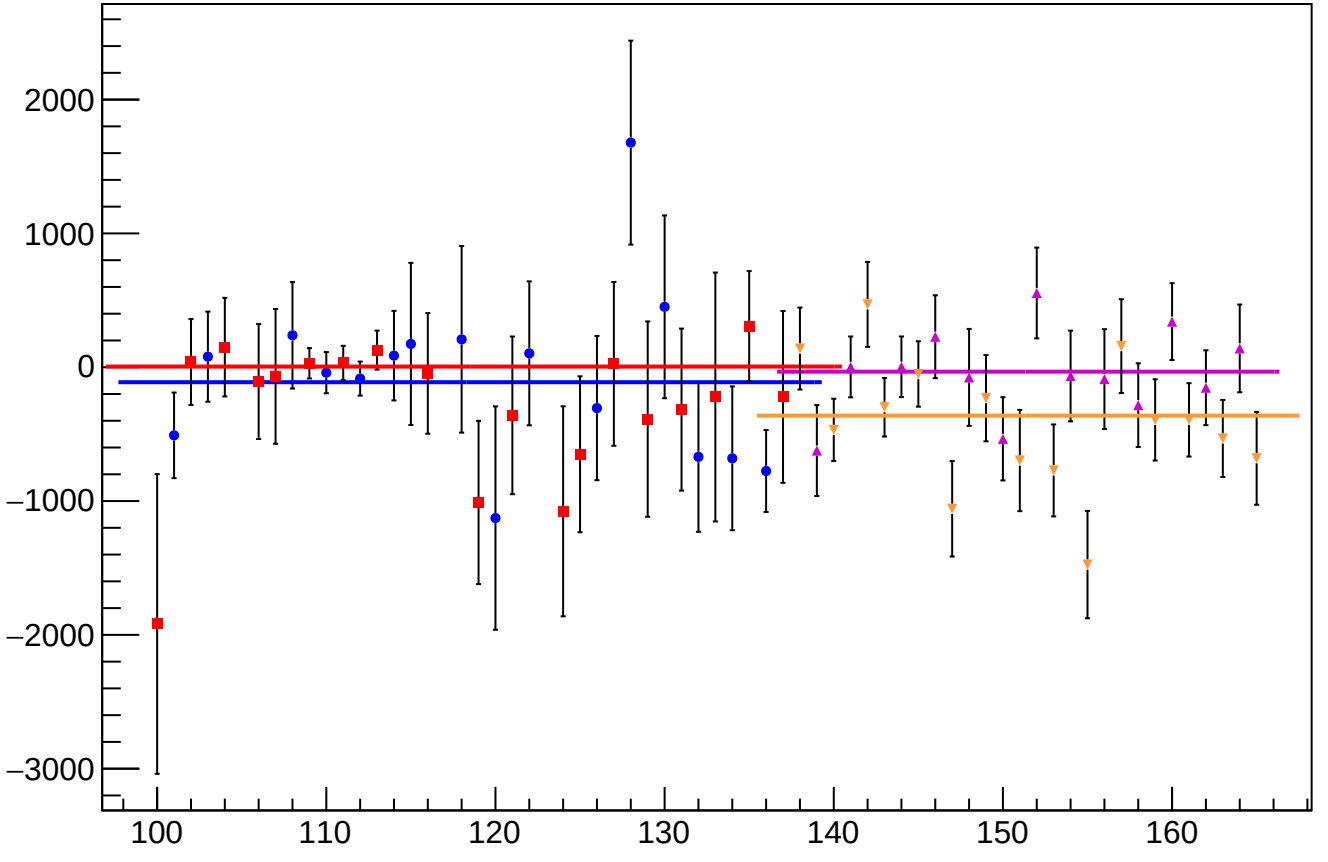
Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

+ sign 58.207+/-0.009 χ^2/NDF: 337261.7/30

All: 58.369+/-0.007 χ^2/NDF: 724384.4/62

- sign 58.538+/-0.010 χ^2/NDF: 386528.1/31

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -361.882+/-77.043 χ^2/NDF:28.7/14

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

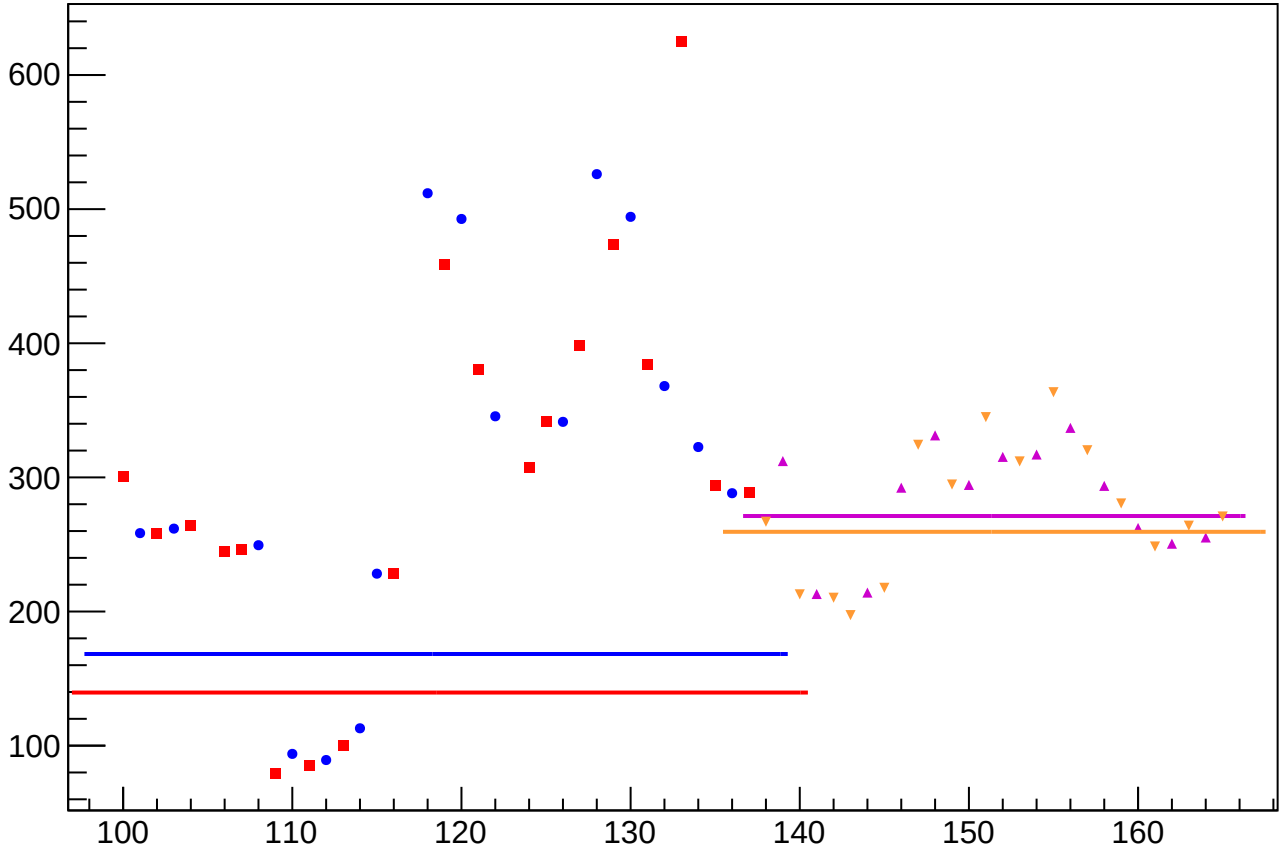
Left In: -33.219+/-83.083 χ^2/NDF:12.2/12

+ sign -235.529+/-54.181 χ^2/NDF: 52.5/30

All: -114.832+/-37.007 χ^2/NDF: 85.8/62

- sign -9.281+/-50.668 χ^2/NDF: 24.0/31

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.435+/-0.054 χ^2/NDF:797946.0/14

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

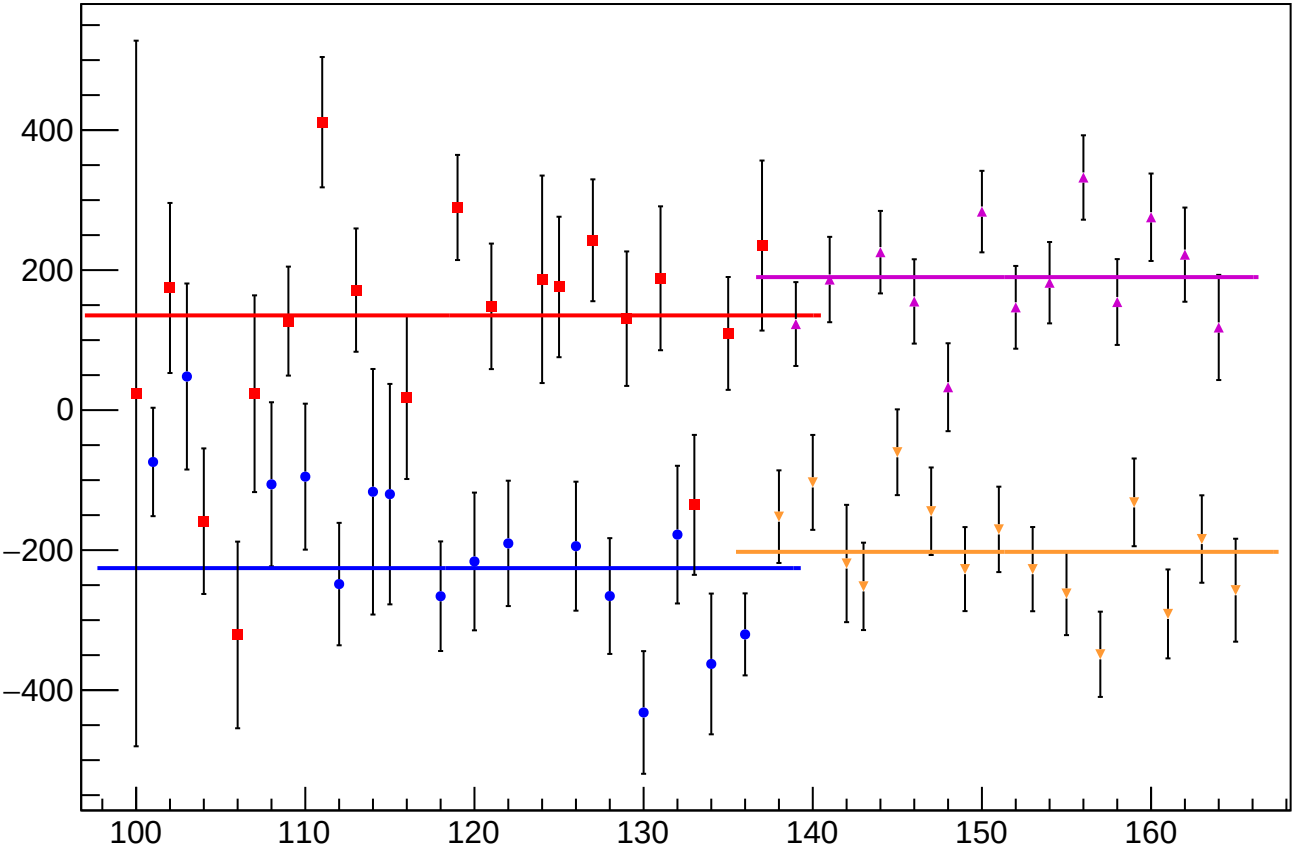
Left In: 271.211+/-0.059 χ^2/NDF:522788.6/12

+ sign 213.389+/-0.038 χ^2/NDF: 6755528.2/30

All: 200.134+/-0.026 χ^2/NDF: 15809297.5/62

- sign 188.543+/-0.036 χ^2/NDF: 8829416.9/31

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -202.451+/-16.470 χ^2/NDF:20.9/14

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

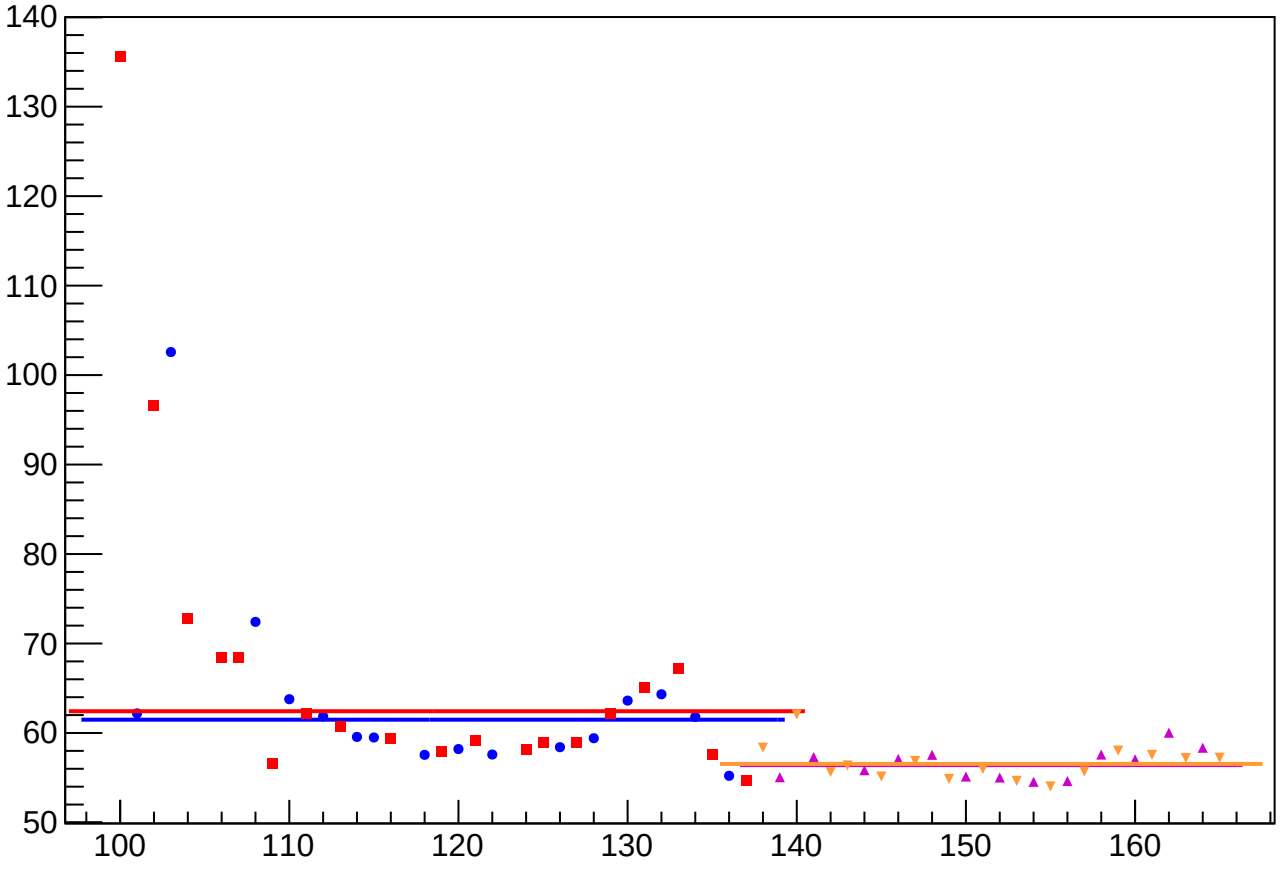
Left In: 190.014+/-17.055 χ^2/NDF:20.3/12

+ sign -210.276+/-13.414 χ^2/NDF: 44.2/30

All: -24.329+/-9.599 χ^2/NDF: 506.8/62

- sign 170.829+/-13.742 χ^2/NDF: 68.8/31

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.543+/-0.012 χ^2/NDF:25945.4/14

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

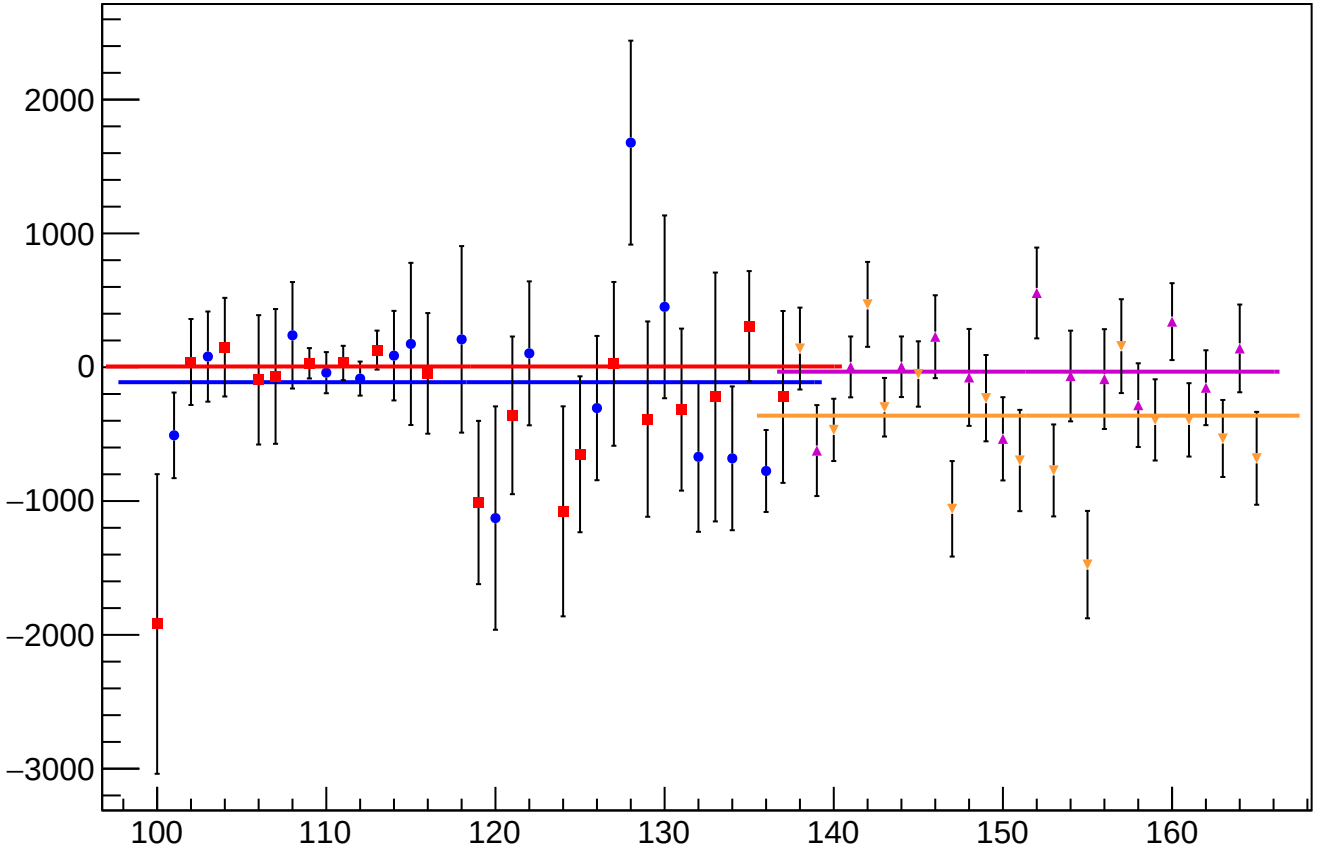
Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

+ sign 58.207+/-0.009 χ^2/NDF: 337264.3/30

All: 58.360+/-0.007 χ^2/NDF: 721266.2/62

- sign 58.521+/-0.010 χ^2/NDF: 383465.9/31

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -361.878+/-77.043 χ^2/NDF:28.7/14

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

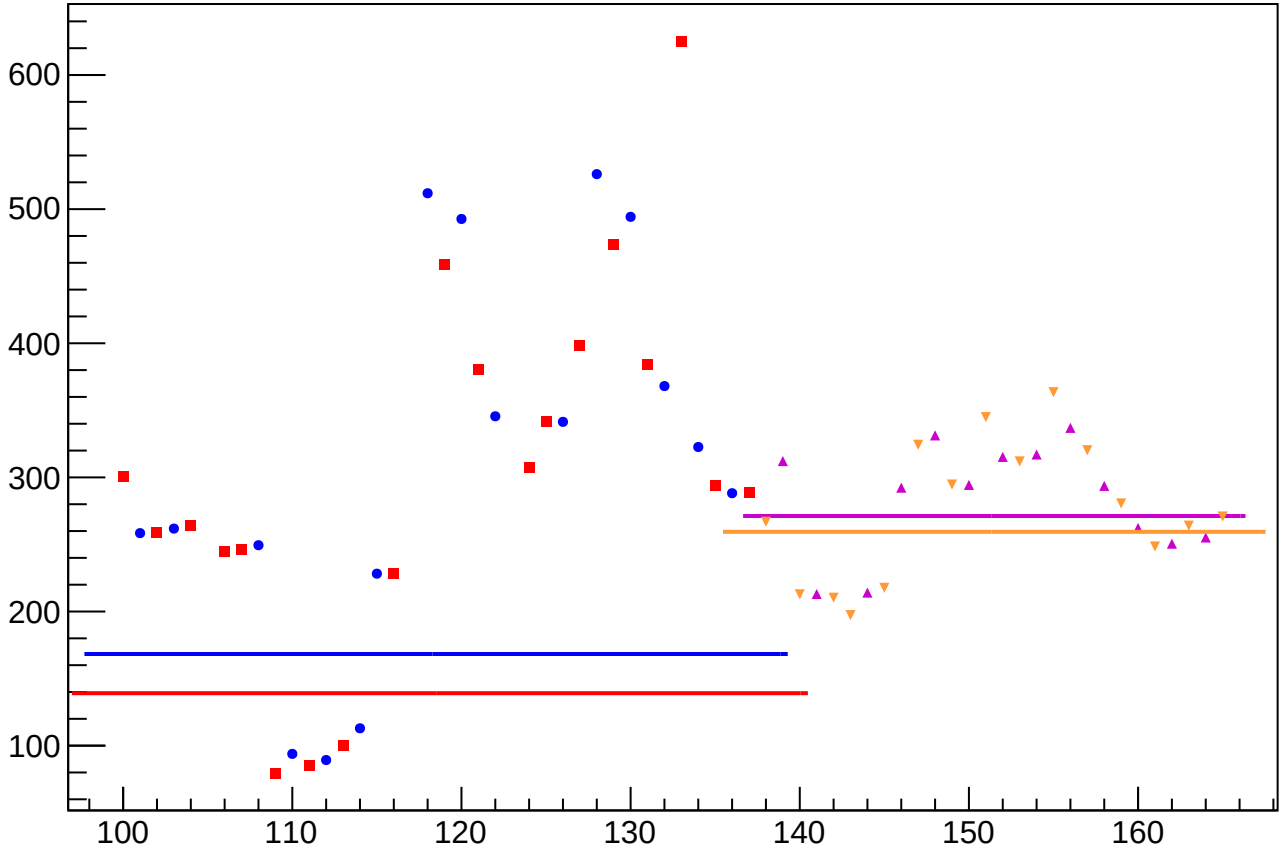
Left In: -33.214+/-83.083 χ^2/NDF:12.2/12

+ sign -235.519+/-54.182 χ^2/NDF: 52.5/30

All: -114.775+/-37.037 χ^2/NDF: 85.8/62

- sign -8.869+/-50.744 χ^2/NDF: 24.0/31

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.435+/-0.054 χ^2/NDF:797950.5/14

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

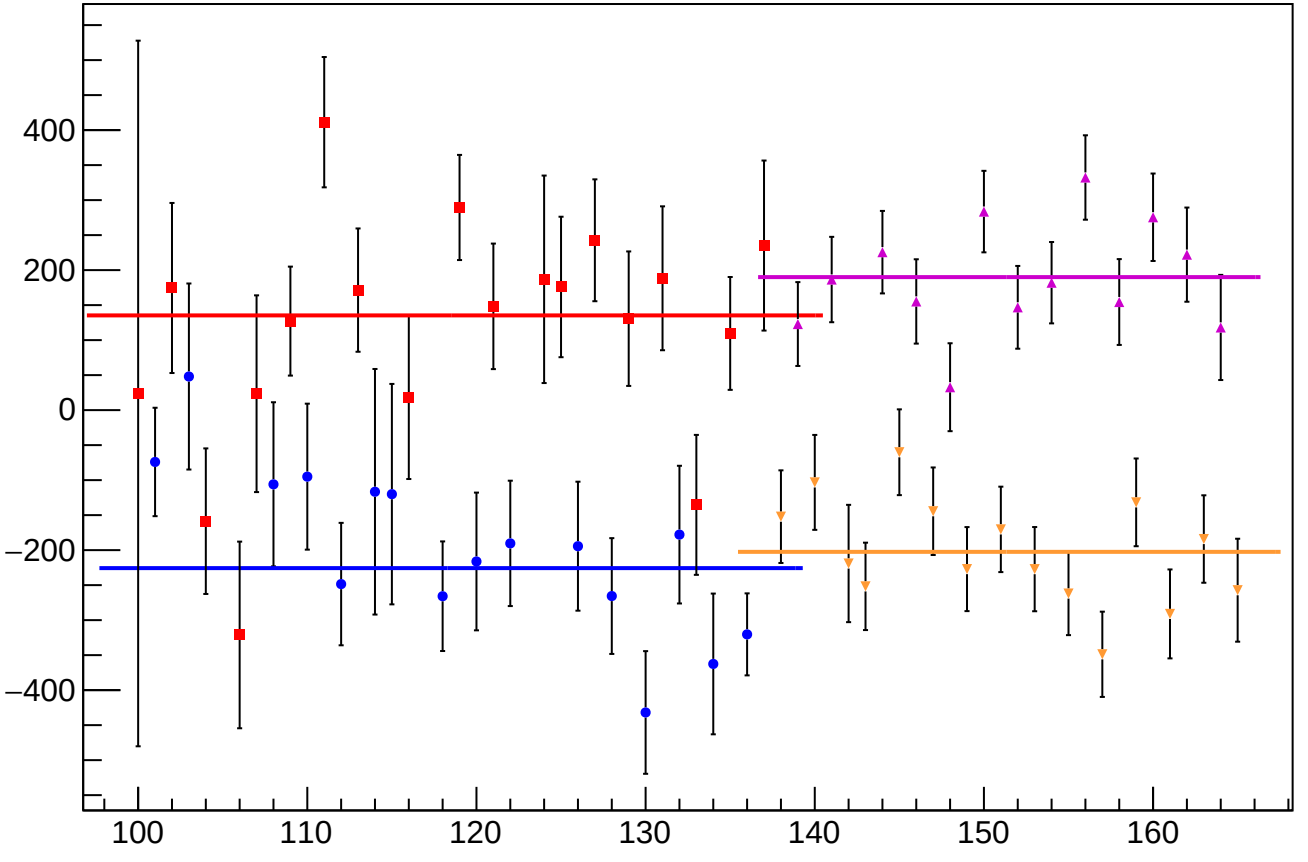
Left In: 271.211+/-0.059 χ^2/NDF:522787.4/12

+ sign 213.389+/-0.038 χ^2/NDF: 6755564.8/30

All: 200.068+/-0.026 χ^2/NDF: 15805622.5/62

- sign 188.383+/-0.036 χ^2/NDF: 8823114.3/31

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -202.451+/-16.470 χ^2/NDF:20.9/14

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

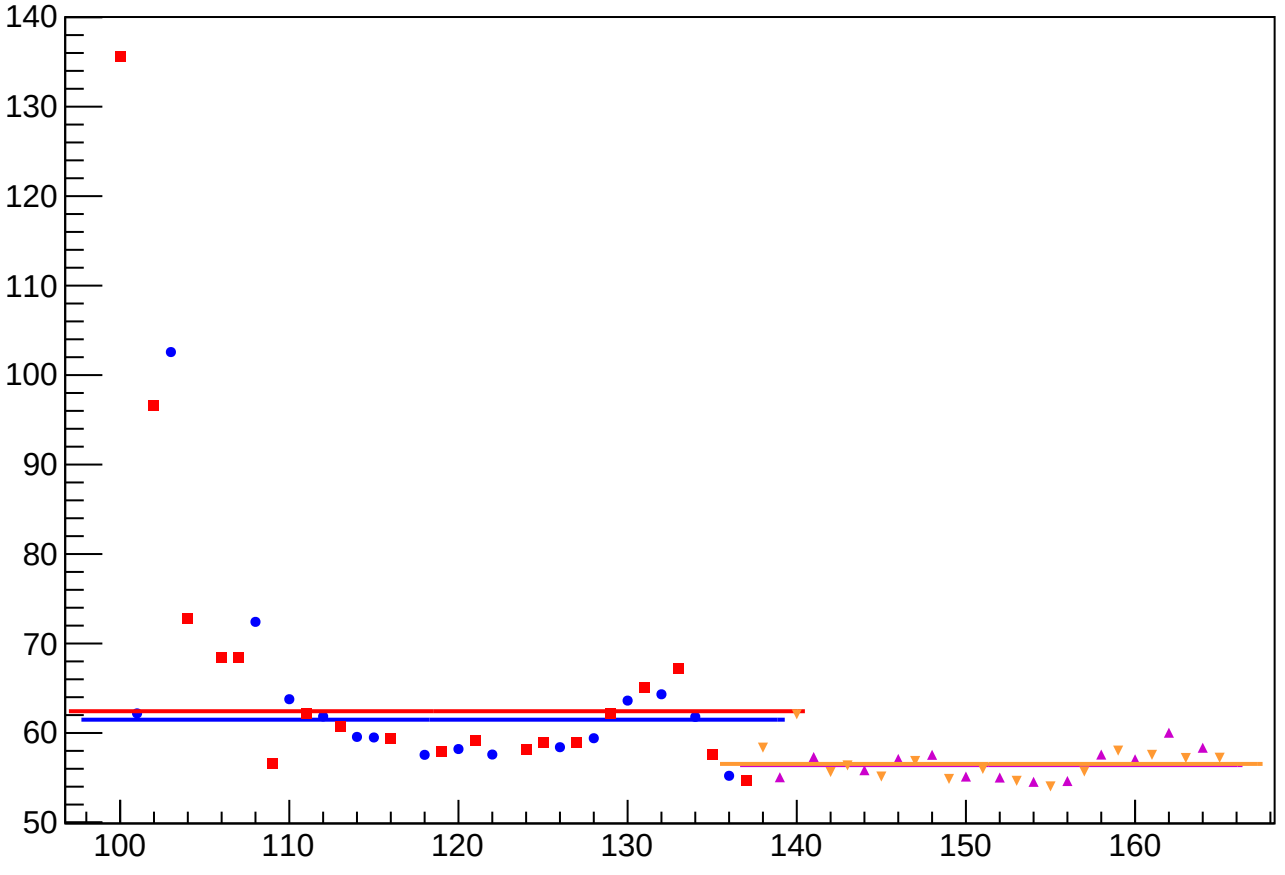
Left In: 190.014+/-17.055 χ^2/NDF:20.3/12

+ sign -210.276+/-13.414 χ^2/NDF: 44.2/30

All: -24.329+/-9.599 χ^2/NDF: 506.8/62

- sign 170.829+/-13.742 χ^2/NDF: 68.8/31

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.543+/-0.012 χ^2/NDF:25945.4/14

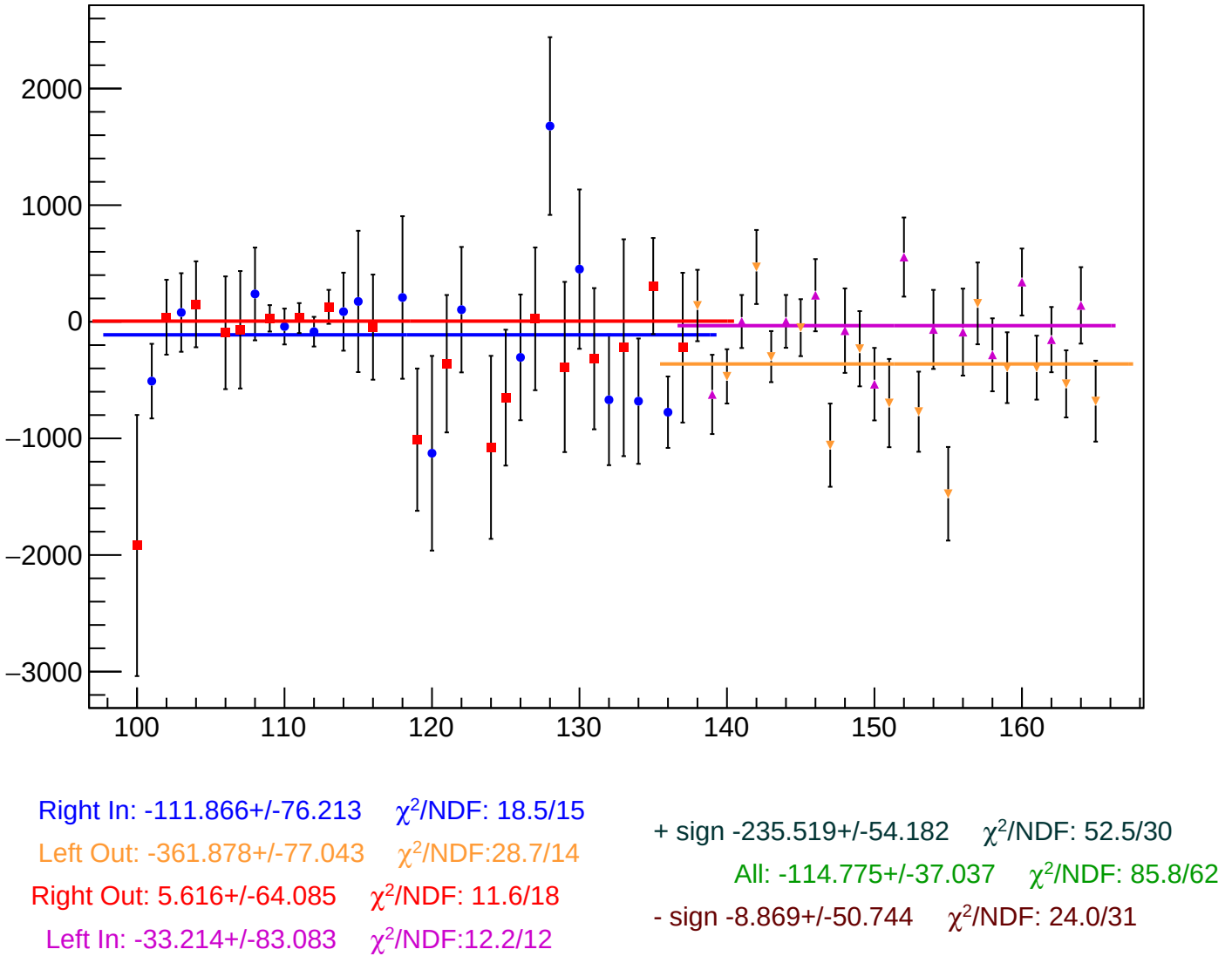
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

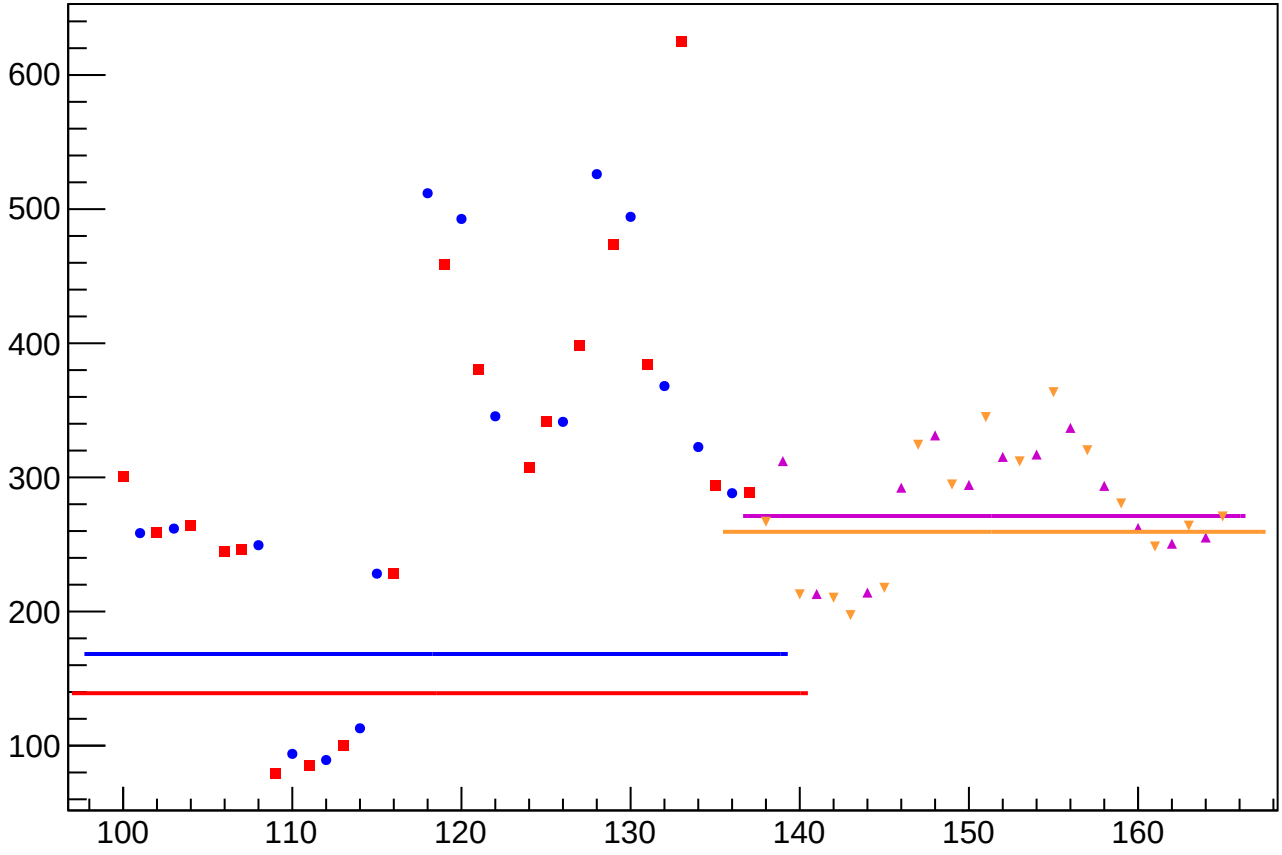
+ sign 58.207+/-0.009 χ^2/NDF: 337264.3/30

All: 58.360+/-0.007 χ^2/NDF: 721266.2/62

- sign 58.521+/-0.010 χ^2/NDF: 383465.9/31


asym_sam8_eigen_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -111.866+/-76.213 χ²/NDF: 18.5/15
Left Out: -361.878+/-77.043 χ²/NDF:28.7/14
Right Out: 5.616+/-64.085 χ²/NDF: 11.6/18
Left In: -33.214+/-83.083 χ²/NDF:12.2/12
+ sign -235.519+/-54.182 χ²/NDF: 52.5/30
All: -114.775+/-37.037 χ²/NDF: 85.8/62
- sign -8.869+/-50.744 χ²/NDF: 24.0/31

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.435+/-0.054 χ^2/NDF:797950.5/14

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

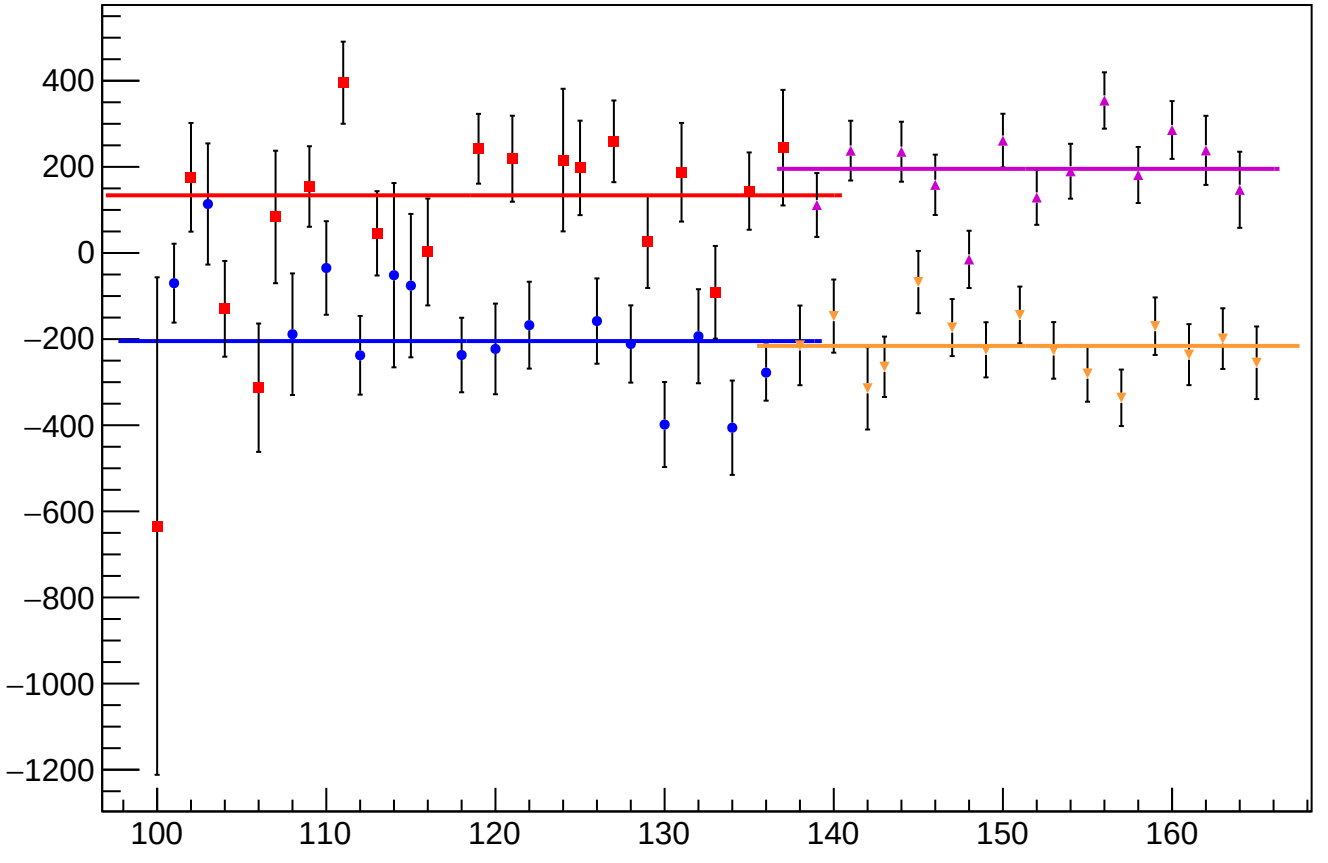
Left In: 271.211+/-0.059 χ^2/NDF:522787.4/12

+ sign 213.389+/-0.038 χ^2/NDF: 6755564.8/30

All: 200.068+/-0.026 χ^2/NDF: 15805622.5/62

- sign 188.383+/-0.036 χ^2/NDF: 8823114.3/31

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -215.751+/-18.484 χ^2/NDF:13.2/14

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

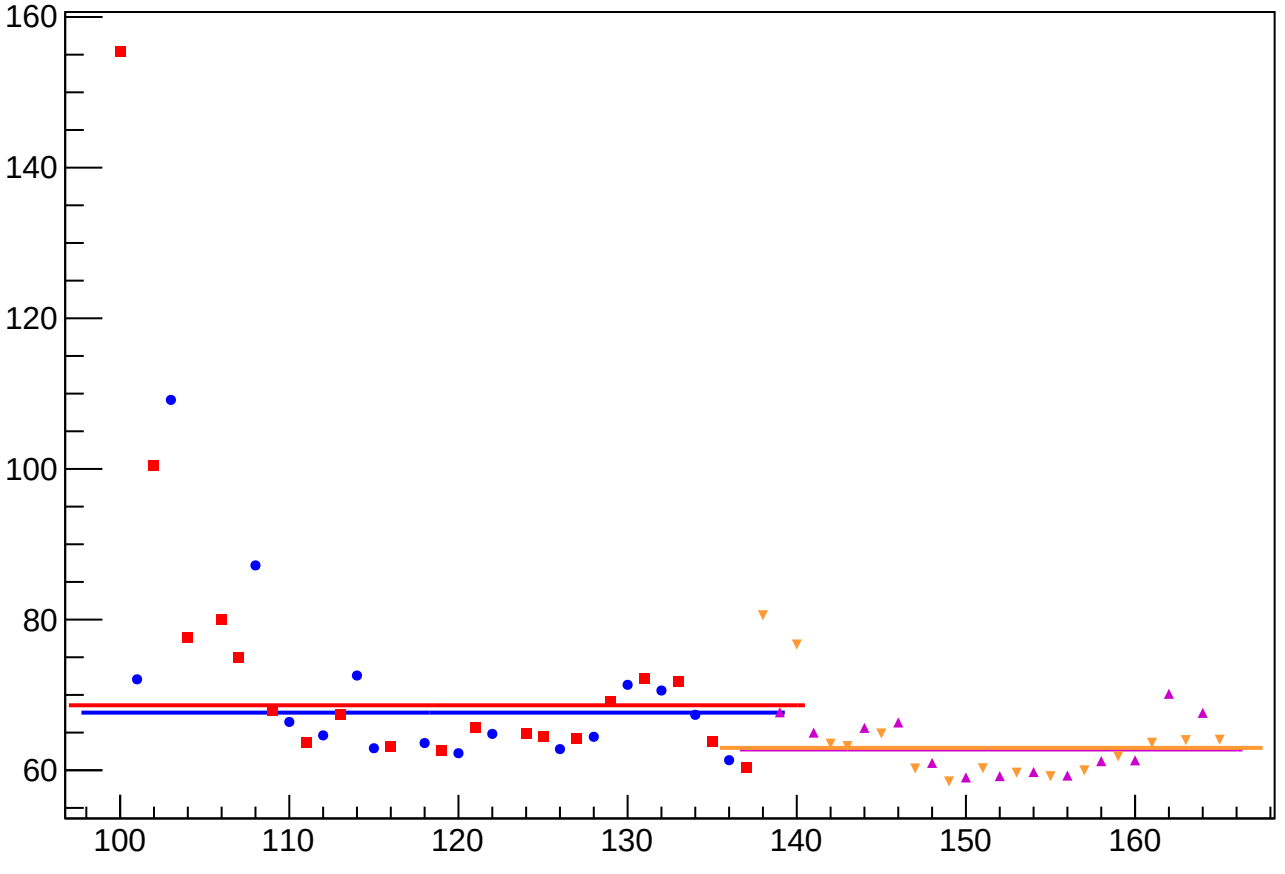
Left In: 195.401+/-19.067 χ^2/NDF:22.8/12

+ sign -211.907+/-14.971 χ^2/NDF: 33.3/30

All: -23.059+/-10.689 χ^2/NDF: 421.7/62

- sign 173.337+/-15.267 χ^2/NDF: 63.8/31

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.968+/-0.013 χ^2/NDF:159853.2/14

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

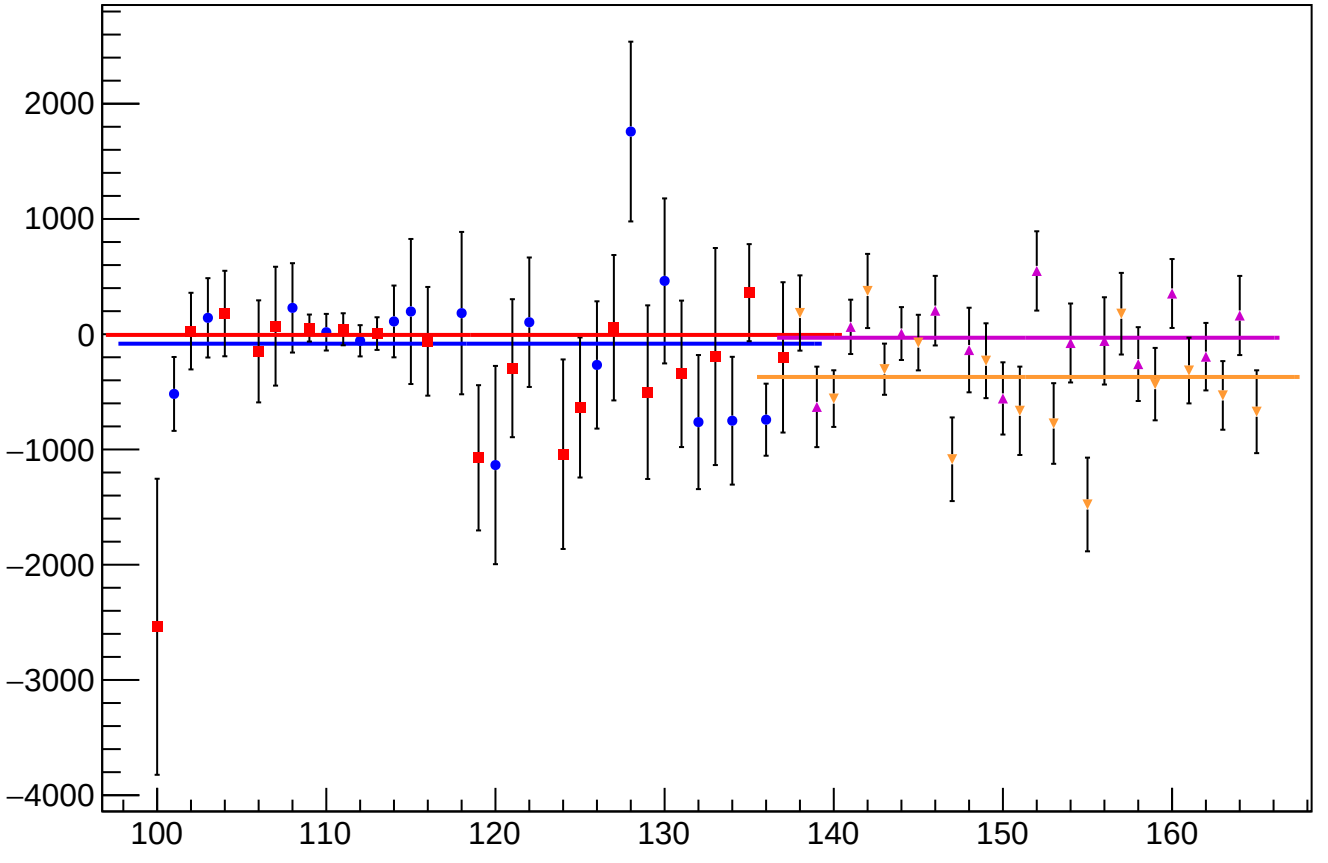
Left In: 62.757+/-0.013 χ^2/NDF:69409.9/12

+ sign 64.578+/-0.011 χ^2/NDF: 467619.4/30

All: 64.717+/-0.008 χ^2/NDF: 853519.5/62

- sign 64.862+/-0.011 χ^2/NDF: 385546.1/31

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -370.845+/-78.912 χ^2/NDF:27.3/14

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

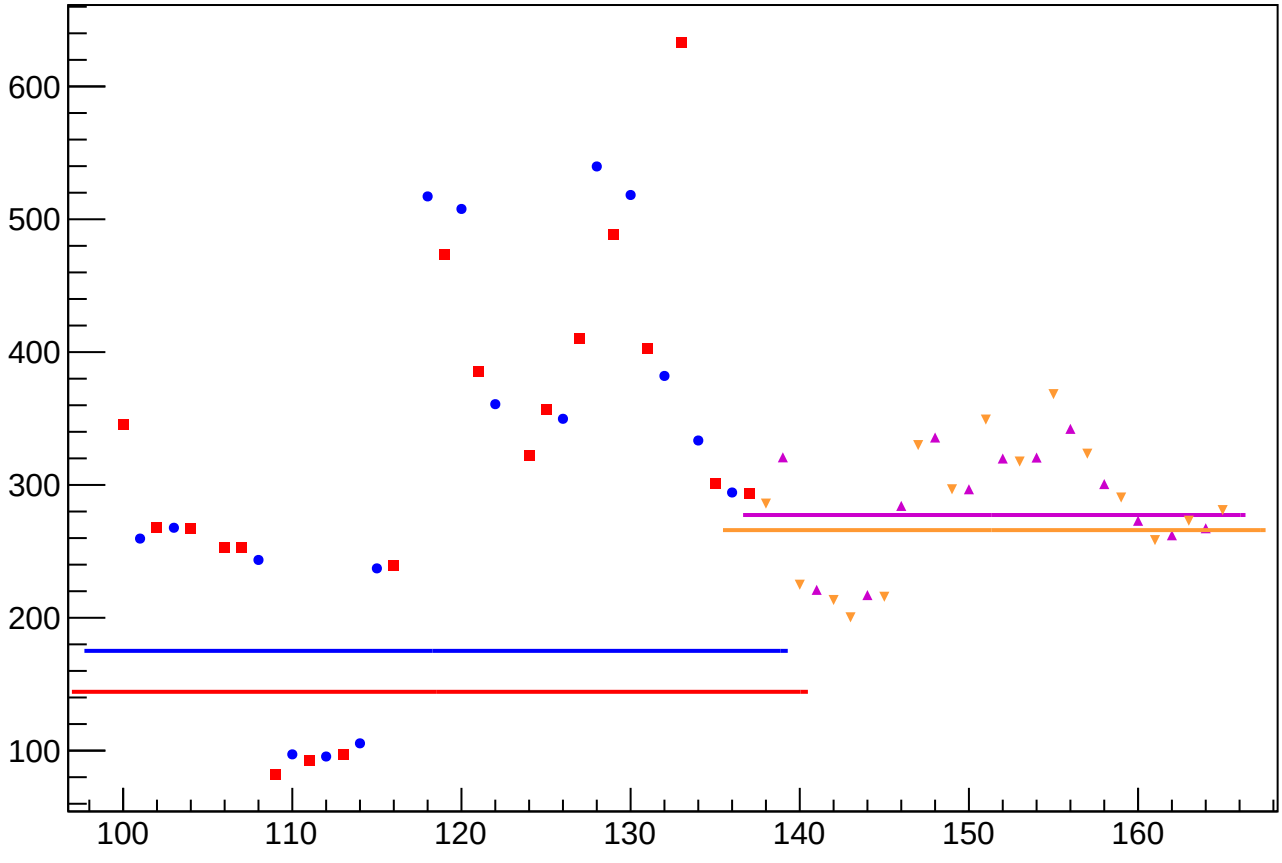
Left In: -30.601+/-84.884 χ^2/NDF:12.3/12

+ sign -226.103+/-55.716 χ^2/NDF: 53.2/30

All: -113.554+/-38.038 χ^2/NDF: 85.3/62

- sign -15.293+/-52.059 χ^2/NDF: 24.4/31

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 265.996+/-0.056 χ^2/NDF:793929.8/14

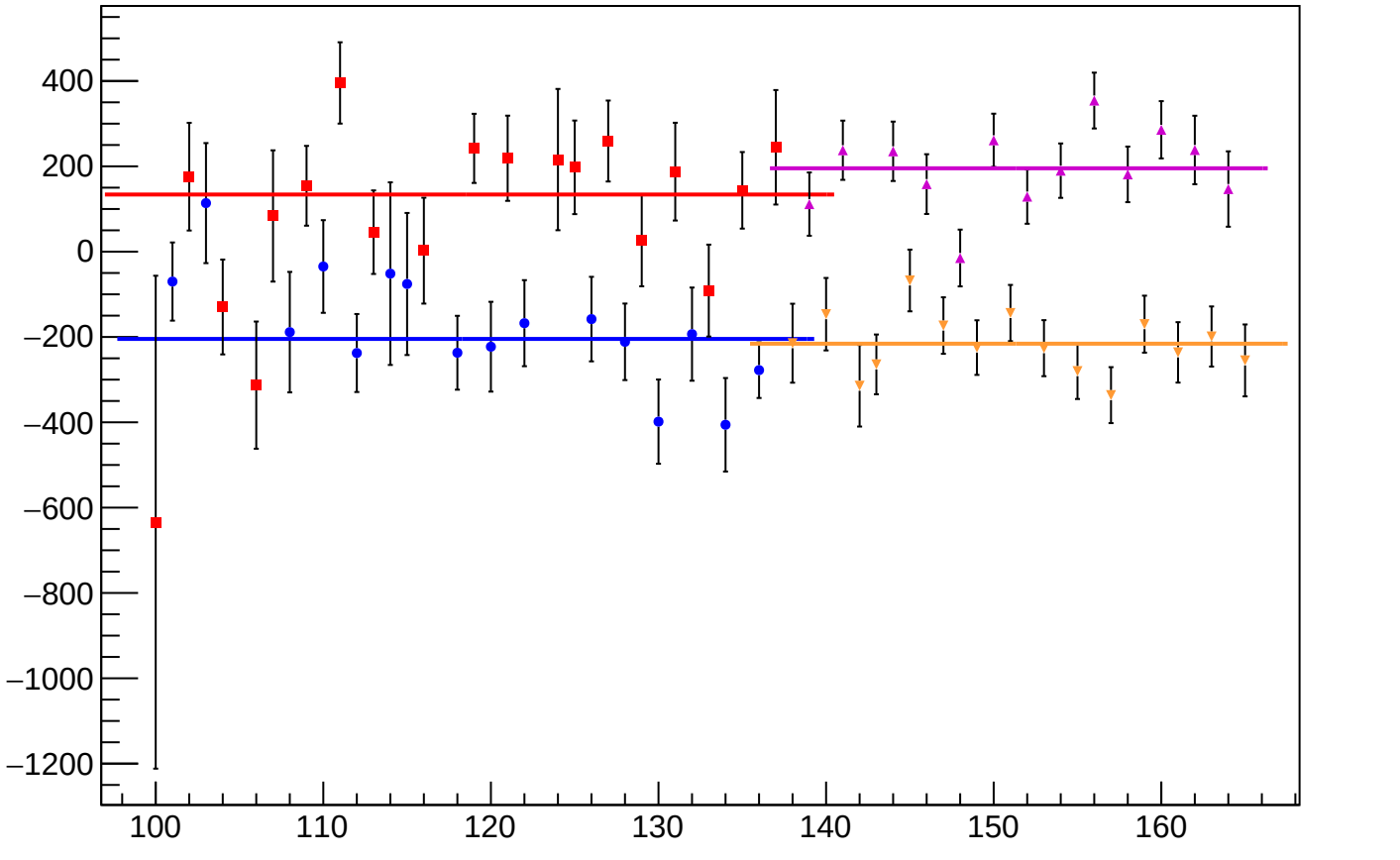
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 277.373+/-0.060 χ^2/NDF:481653.8/12

+ sign 220.411+/-0.039 χ^2/NDF: 6553798.6/30

All: 206.491+/-0.027 χ^2/NDF: 15469346.2/62

- sign 194.338+/-0.037 χ^2/NDF: 8681713.6/31



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -215.749+/-18.484 χ^2/NDF:13.2/14

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

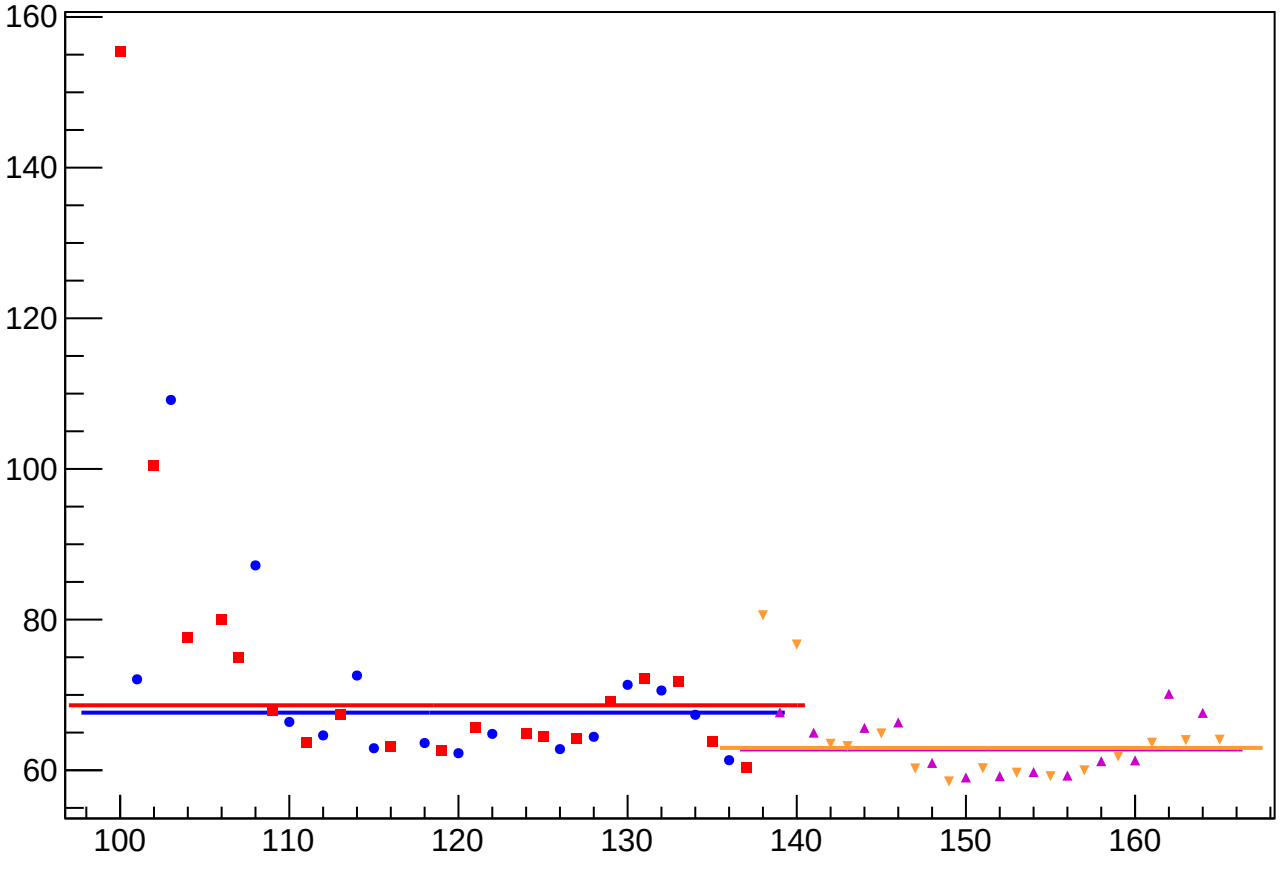
Left In: 195.402+/-19.067 χ^2/NDF:22.8/12

+ sign -211.906+/-14.971 χ^2/NDF: 33.3/30

All: -23.058+/-10.689 χ^2/NDF: 421.7/62

- sign 173.338+/-15.267 χ^2/NDF: 63.8/31

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.968+/-0.013 χ^2/NDF:159852.0/14

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

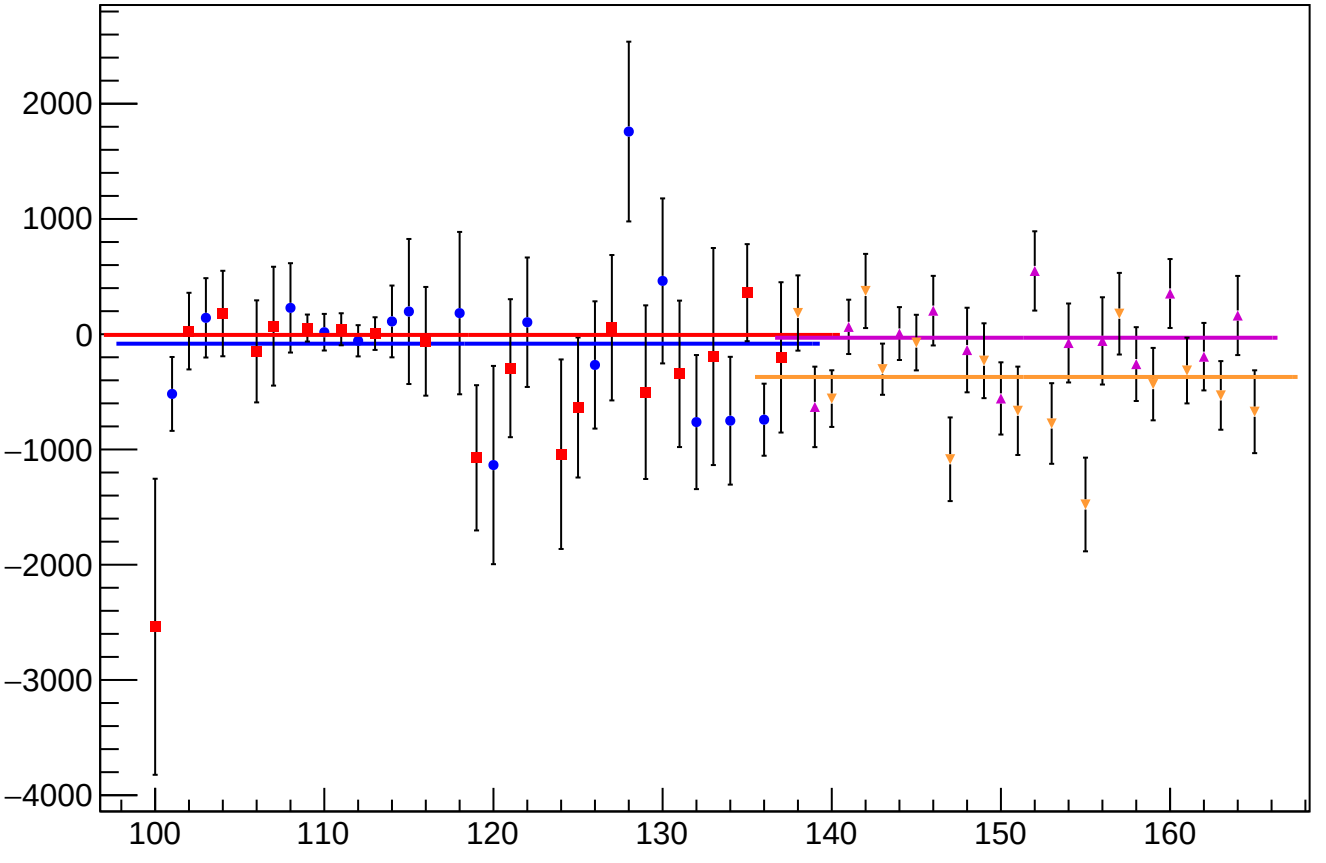
Left In: 62.757+/-0.013 χ^2/NDF:69410.1/12

+ sign 64.578+/-0.011 χ^2/NDF: 467613.5/30

All: 64.717+/-0.008 χ^2/NDF: 853509.6/62

- sign 64.862+/-0.011 χ^2/NDF: 385542.3/31

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -370.844+/-78.912 χ^2/NDF:27.3/14

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

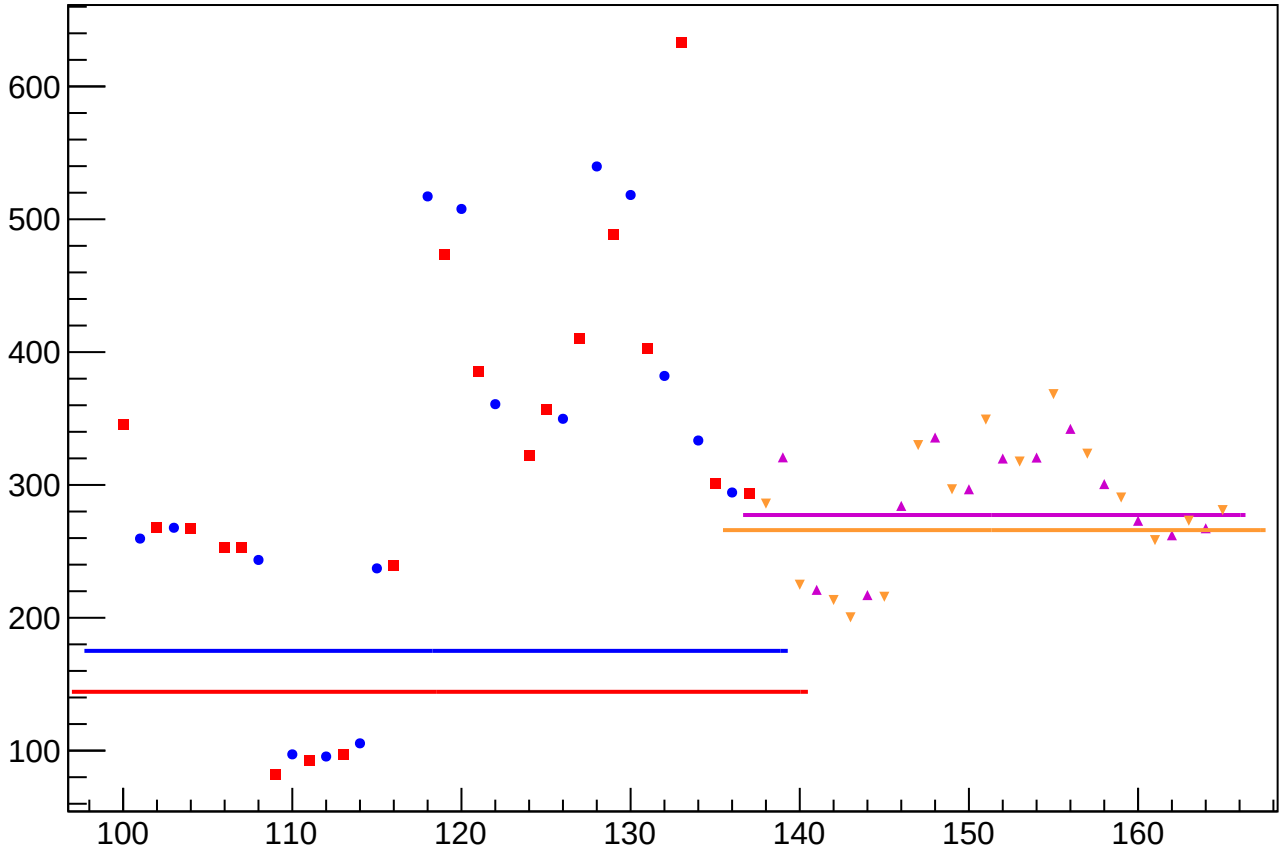
Left In: -30.601+/-84.884 χ^2/NDF:12.3/12

+ sign -226.101+/-55.715 χ^2/NDF: 53.2/30

All: -113.553+/-38.038 χ^2/NDF: 85.3/62

- sign -15.292+/-52.059 χ^2/NDF: 24.4/31

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 265.995+/-0.056 χ^2/NDF:793938.4/14

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

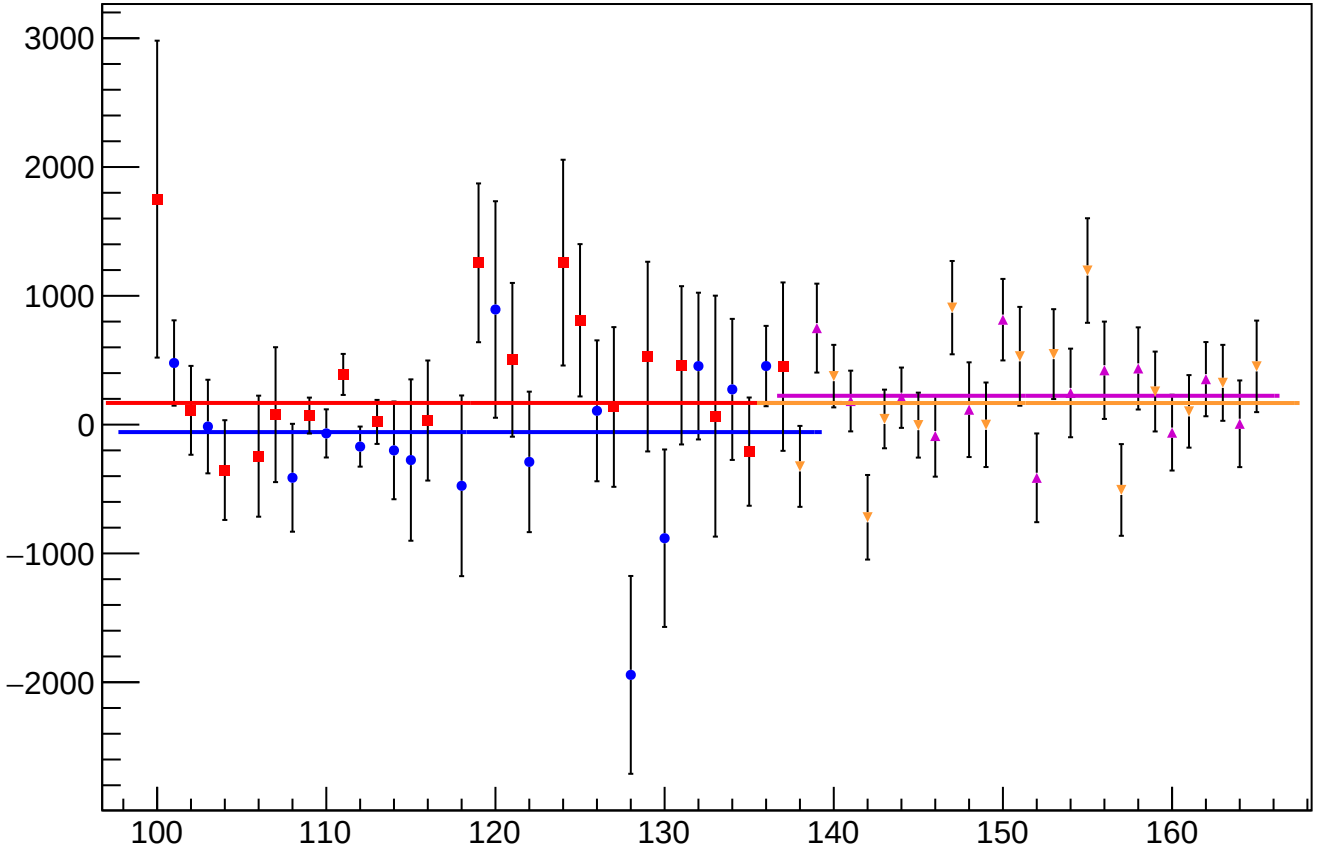
Left In: 277.372+/-0.060 χ^2/NDF:481655.1/12

+ sign 220.410+/-0.039 χ^2/NDF: 6553852.3/30

All: 206.491+/-0.027 χ^2/NDF: 15469357.9/62

- sign 194.338+/-0.037 χ^2/NDF: 8681684.5/31

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 167.717+/-79.130 χ^2/NDF:28.8/14

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

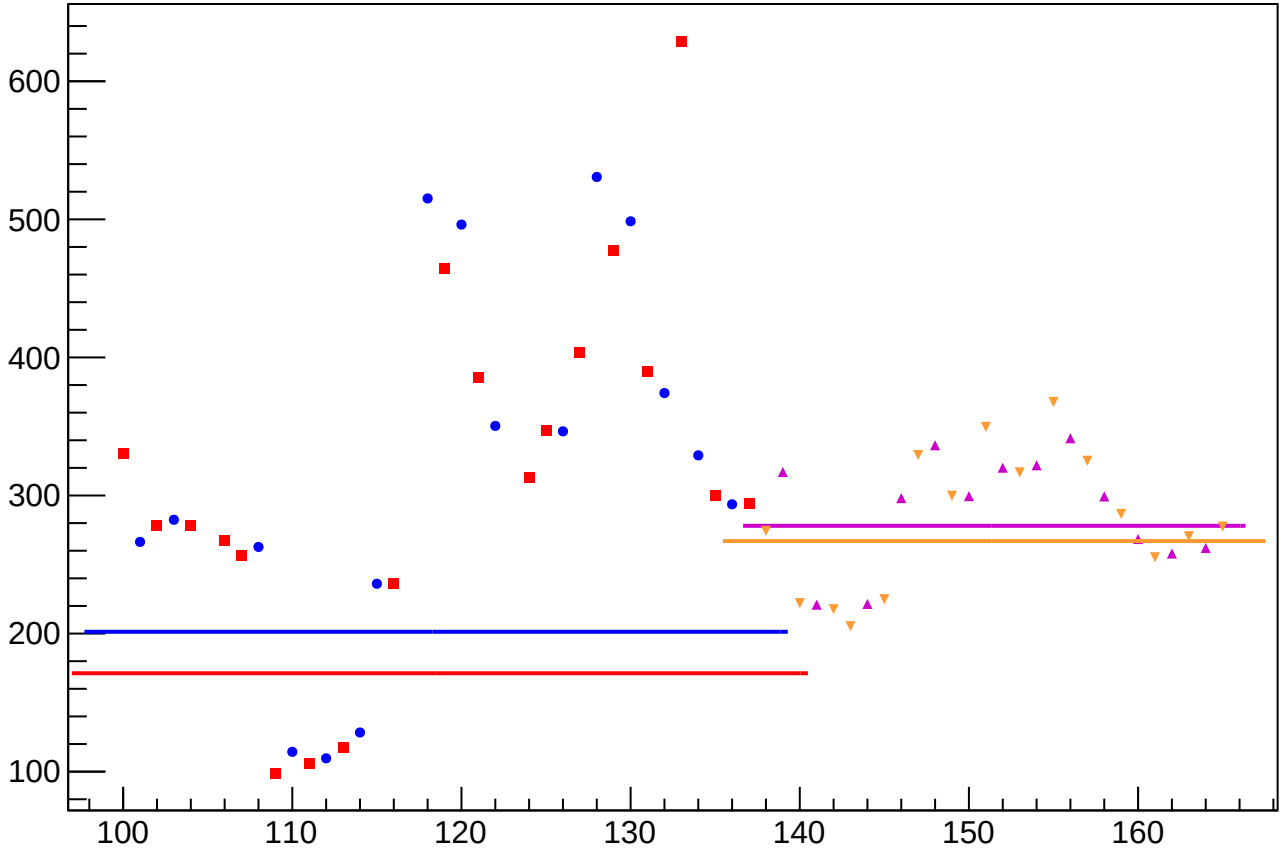
Left In: 223.922+/-85.062 χ^2/NDF:12.6/12

+ sign 65.400+/-58.505 χ^2/NDF: 49.9/30

All: 131.629+/-40.487 χ^2/NDF: 80.7/62

- sign 192.493+/-56.085 χ^2/NDF: 28.3/31

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 267.004+/-0.056 χ^2/NDF:720156.3/14

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

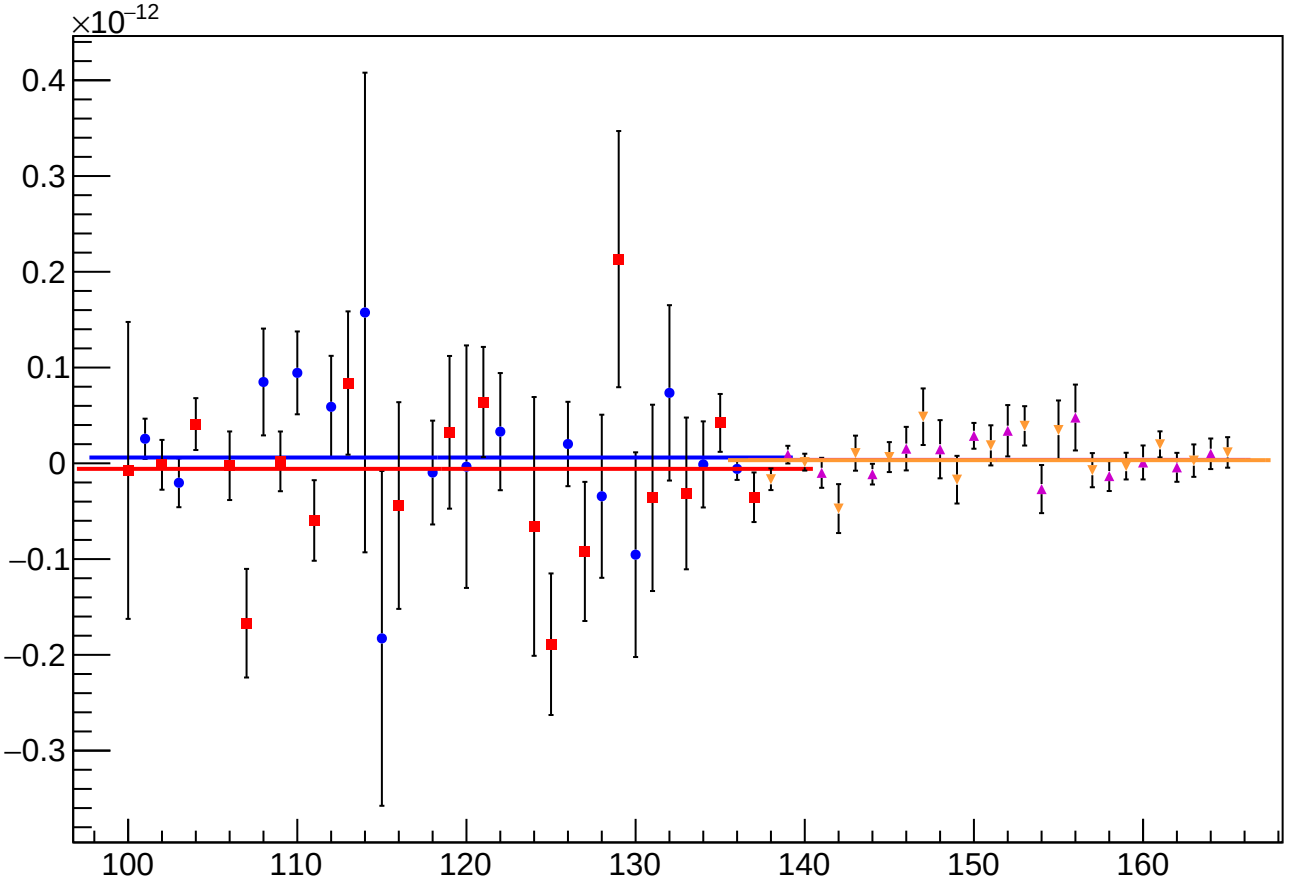
Left In: 278.046+/-0.060 χ^2/NDF:471364.6/12

+ sign 237.217+/-0.041 χ^2/NDF: 4917457.9/30

All: 227.036+/-0.029 χ^2/NDF: 11479595.1/62

- sign 217.680+/-0.040 χ^2/NDF: 6445909.8/31

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:17.2/14

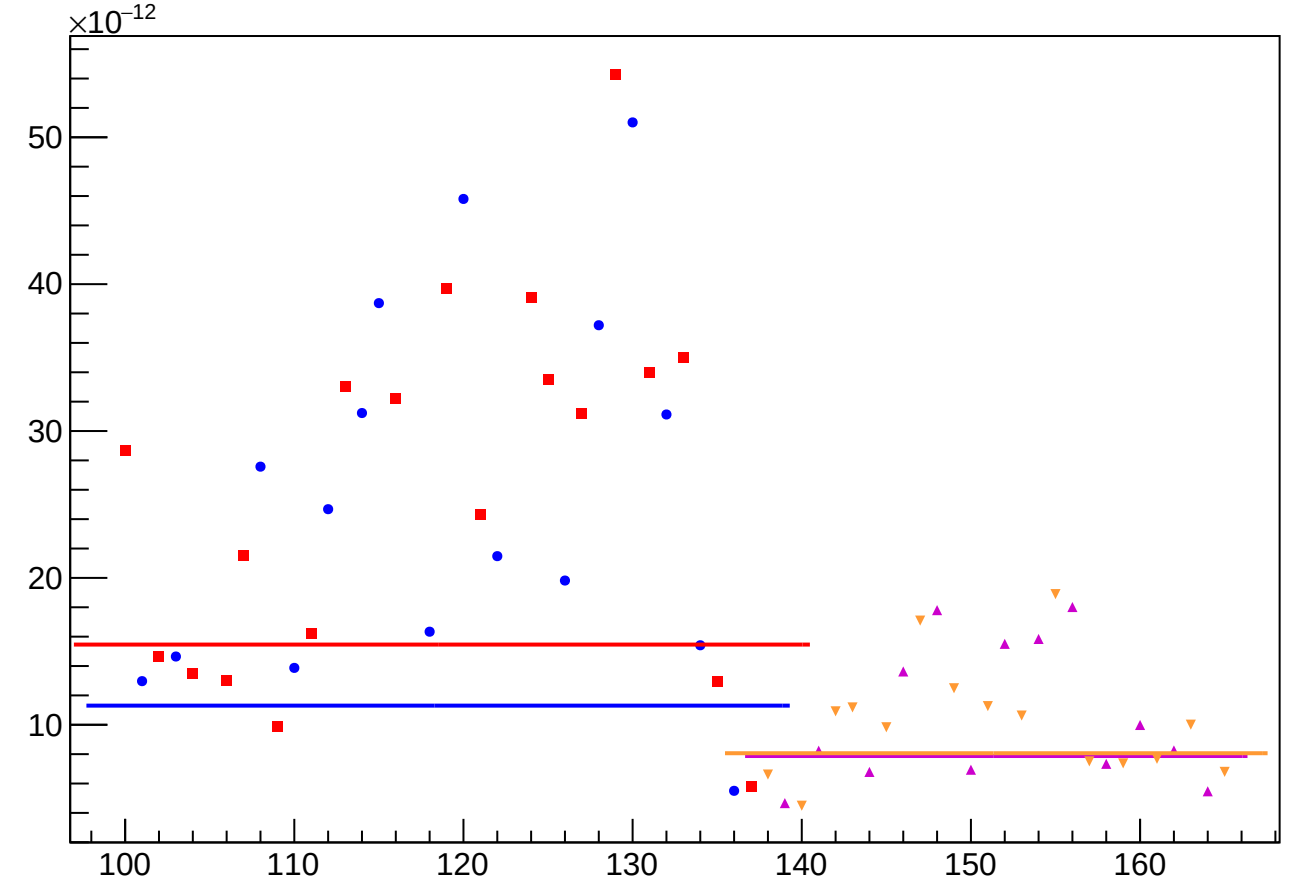
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/30

All: 0.000+/-0.000 χ^2/NDF: 75.3/62

- sign 0.000+/-0.000 χ^2/NDF: 44.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1092847.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

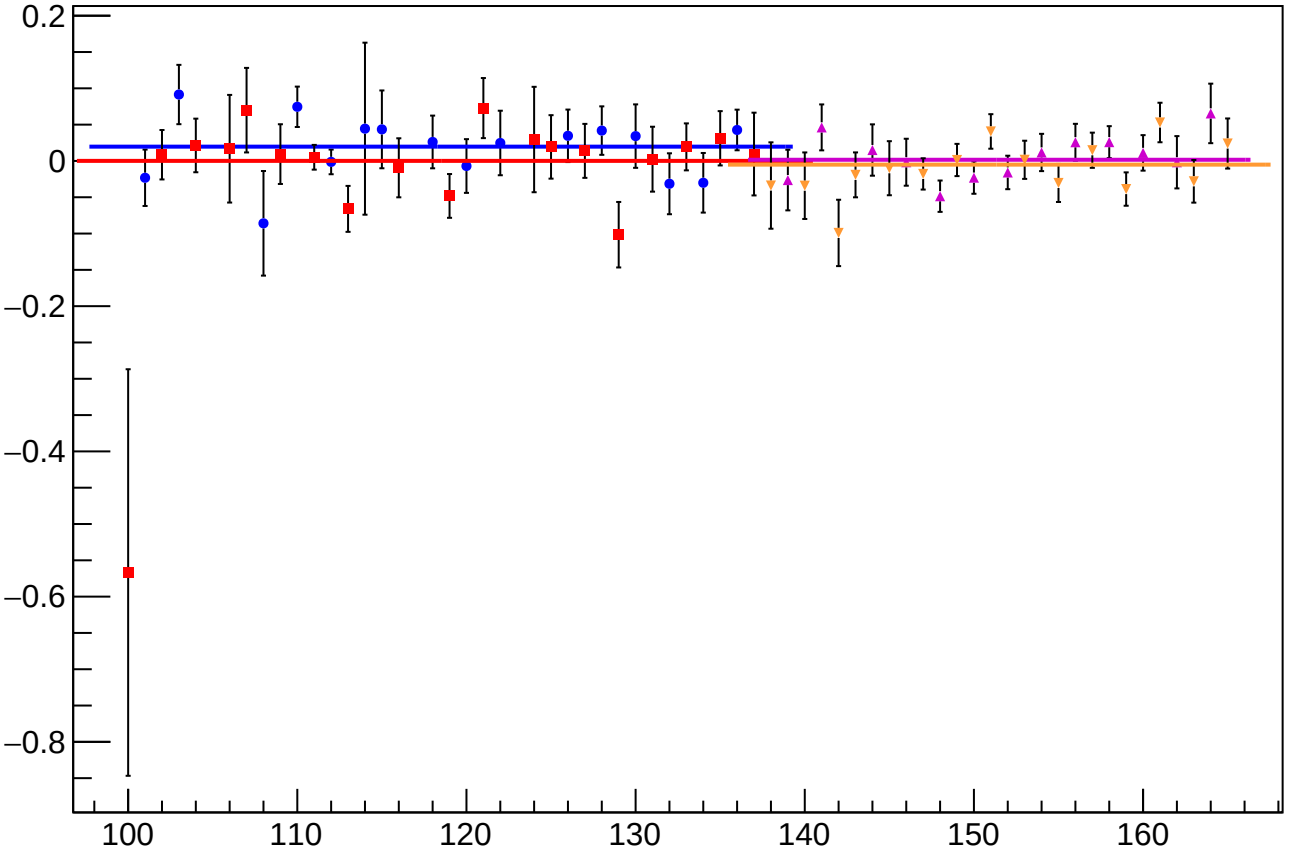
Left In: 0.000+/-0.000 χ^2/NDF:1228623.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 3128190.7/30

All: 0.000+/-0.000 χ^2/NDF: 6742843.6/62

- sign 0.000+/-0.000 χ^2/NDF: 3606655.0/31

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

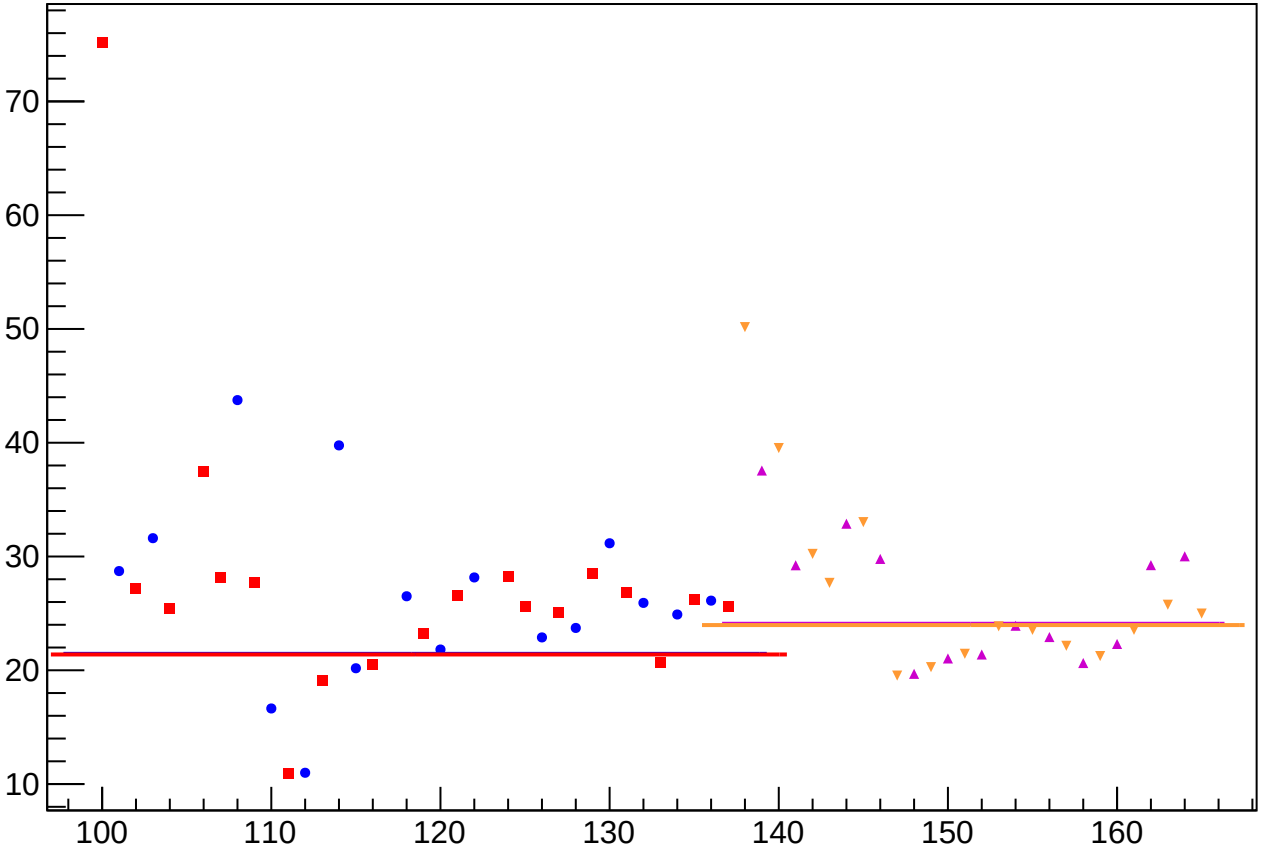
Left In: 0.002+/-0.008 χ^2/NDF:14.7/12

+ sign 0.005+/-0.006 χ^2/NDF: 40.7/30

All: 0.003+/-0.004 χ^2/NDF: 78.5/62

- sign 0.001+/-0.006 χ^2/NDF: 37.5/31

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015350.6/14

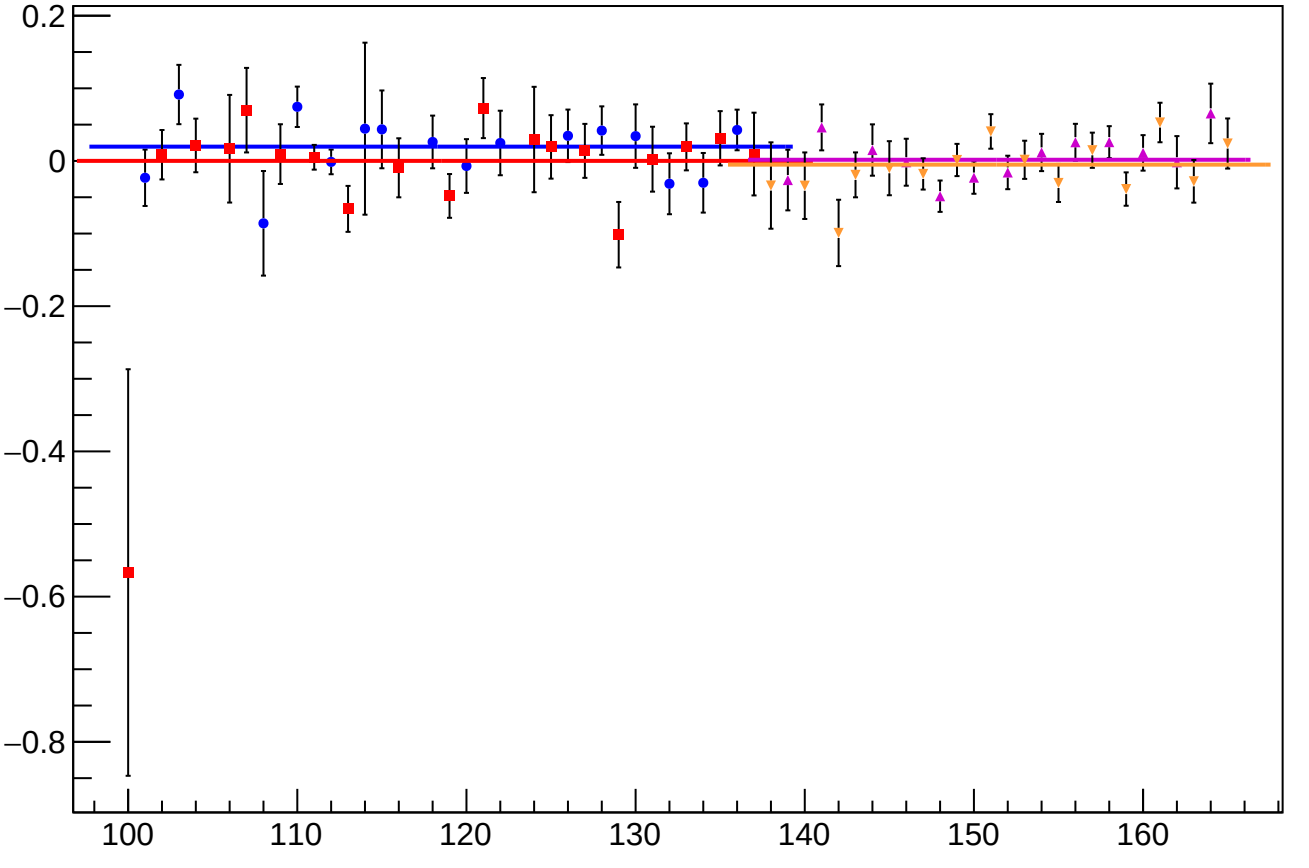
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.2/12

+ sign 22.928+/-0.004 χ^2/NDF: 2655630.7/30

All: 22.914+/-0.003 χ^2/NDF: 4822105.7/62

- sign 22.899+/-0.004 χ^2/NDF: 2166449.1/31



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

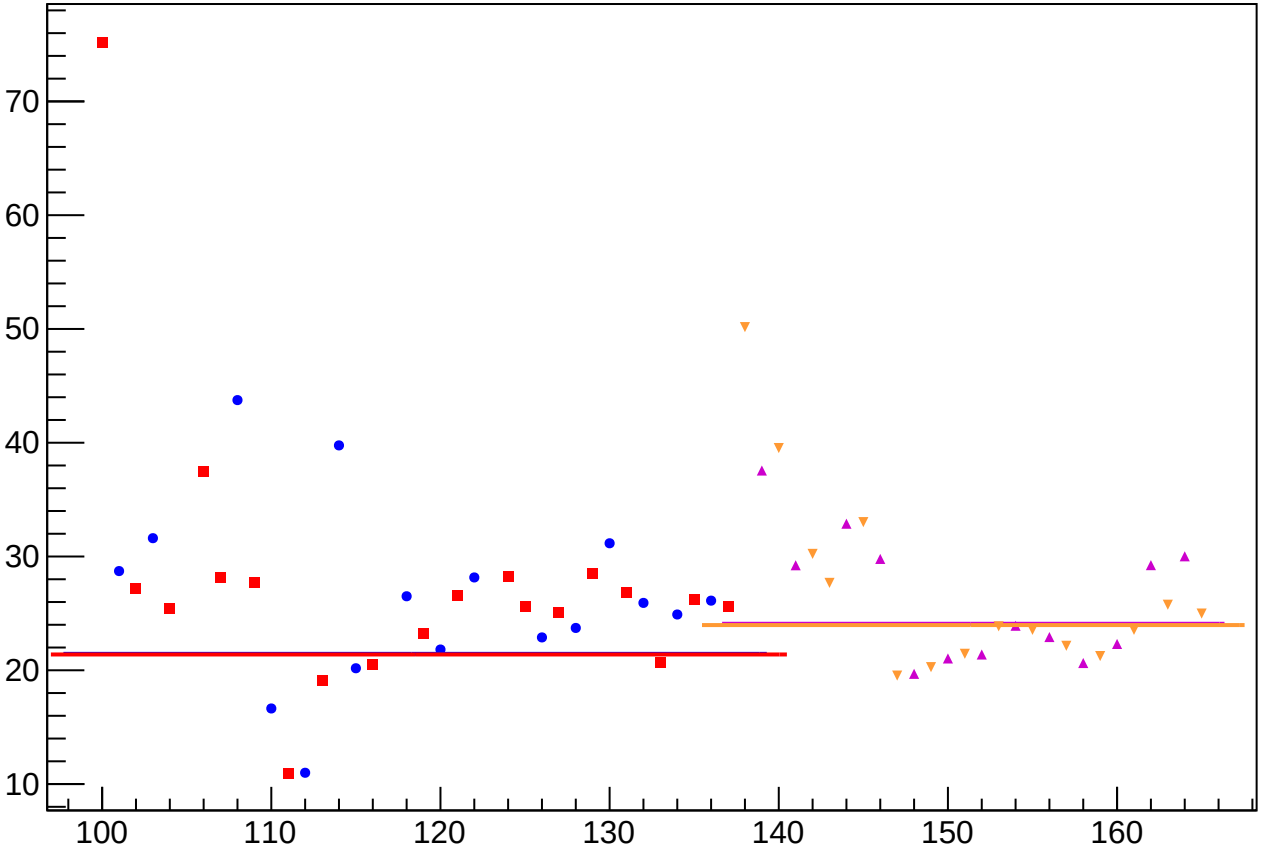
Left In: 0.002+/-0.008 χ^2/NDF:14.7/12

+ sign 0.005+/-0.006 χ^2/NDF: 40.7/30

All: 0.003+/-0.004 χ^2/NDF: 78.5/62

- sign 0.001+/-0.006 χ^2/NDF: 37.5/31

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015350.6/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

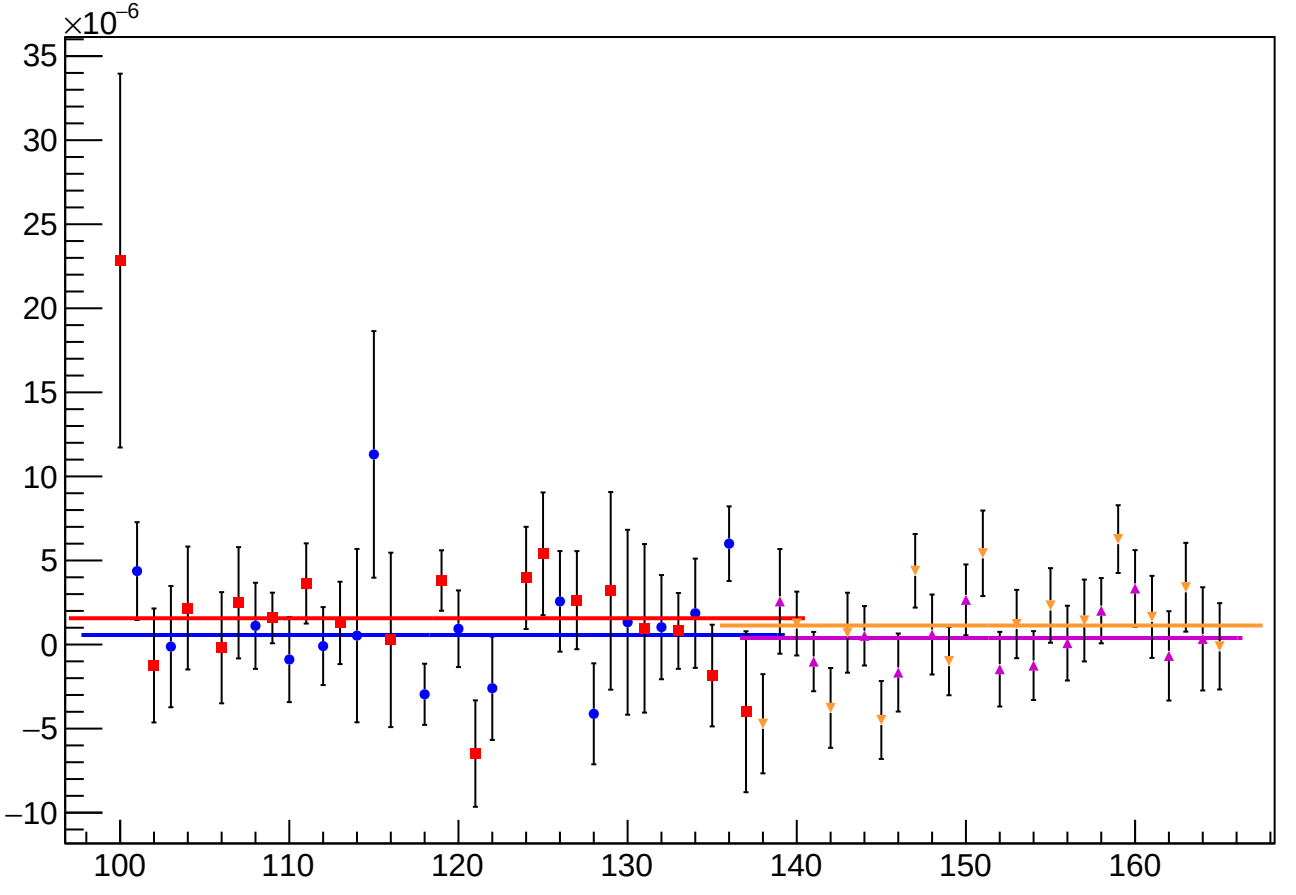
Left In: 24.087+/-0.005 χ^2/NDF:741942.2/12

+ sign 22.928+/-0.004 χ^2/NDF: 2655630.7/30

All: 22.914+/-0.003 χ^2/NDF: 4822105.7/62

- sign 22.899+/-0.004 χ^2/NDF: 2166449.1/31

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:28.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

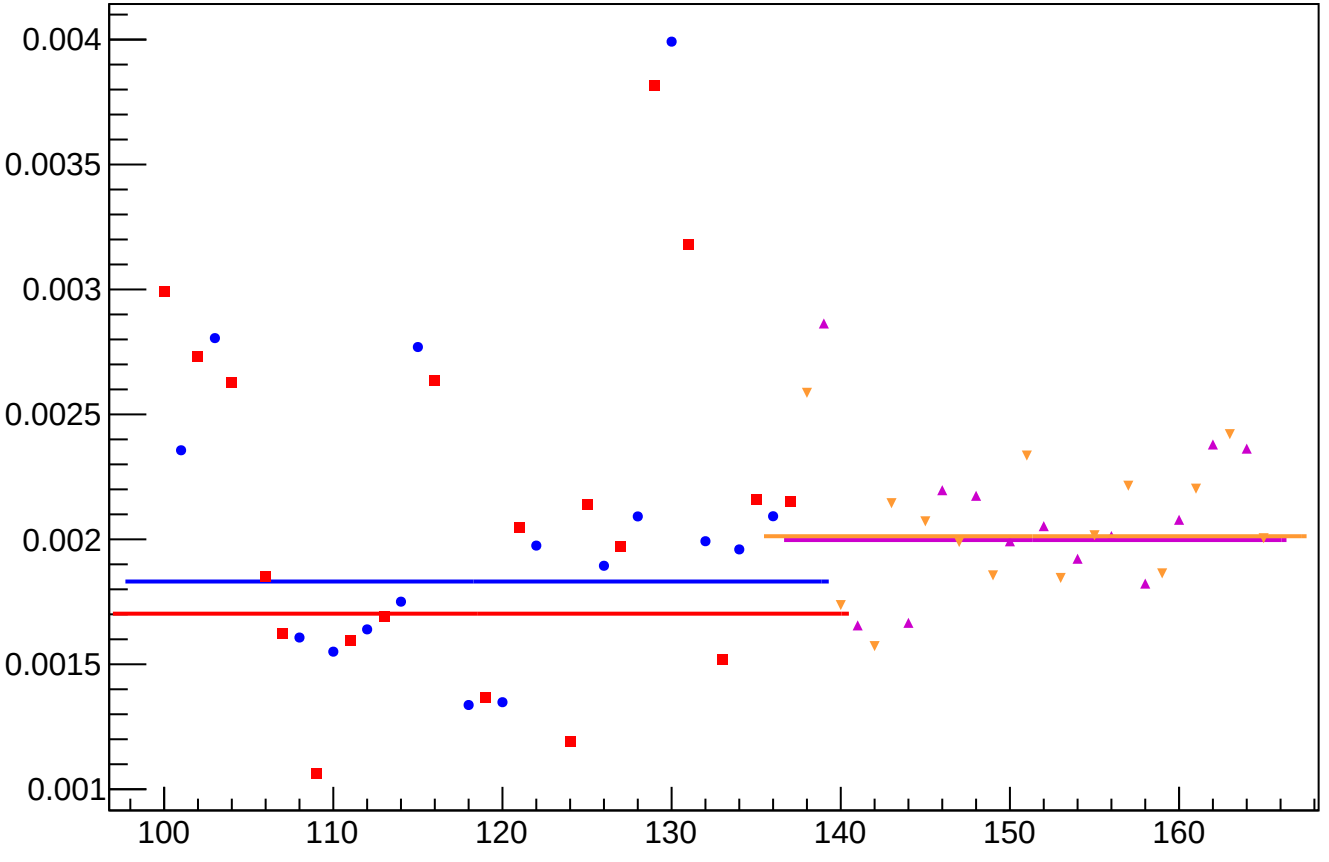
Left In: 0.000+/-0.000 χ^2/NDF:7.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/30

All: 0.000+/-0.000 χ^2/NDF: 73.7/62

- sign 0.000+/-0.000 χ^2/NDF: 27.0/31

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:336572.8/14

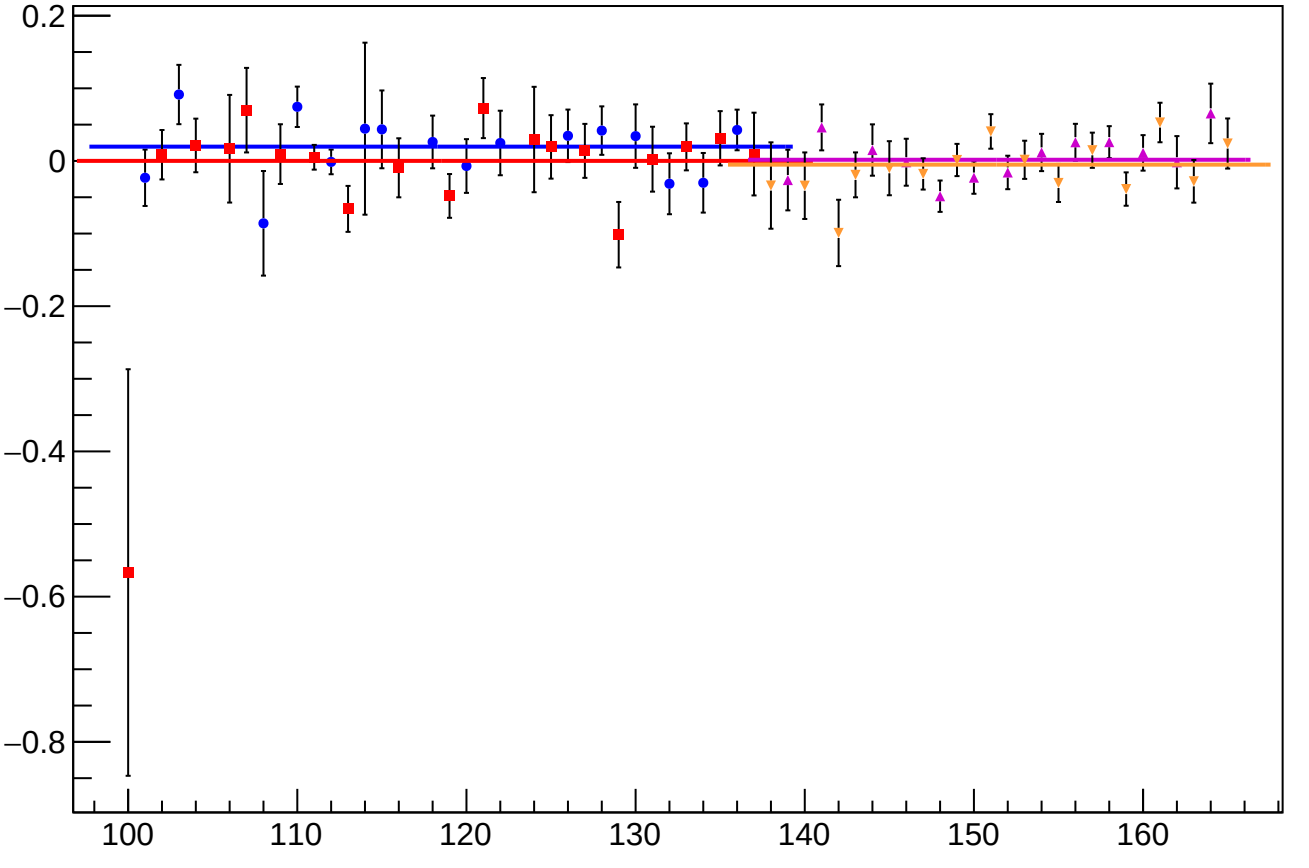
Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:418439.3/12

+ sign 0.002+/-0.000 χ^2/NDF: 1314393.6/30

All: 0.002+/-0.000 χ^2/NDF: 3455020.3/62

- sign 0.002+/-0.000 χ^2/NDF: 2111586.0/31



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

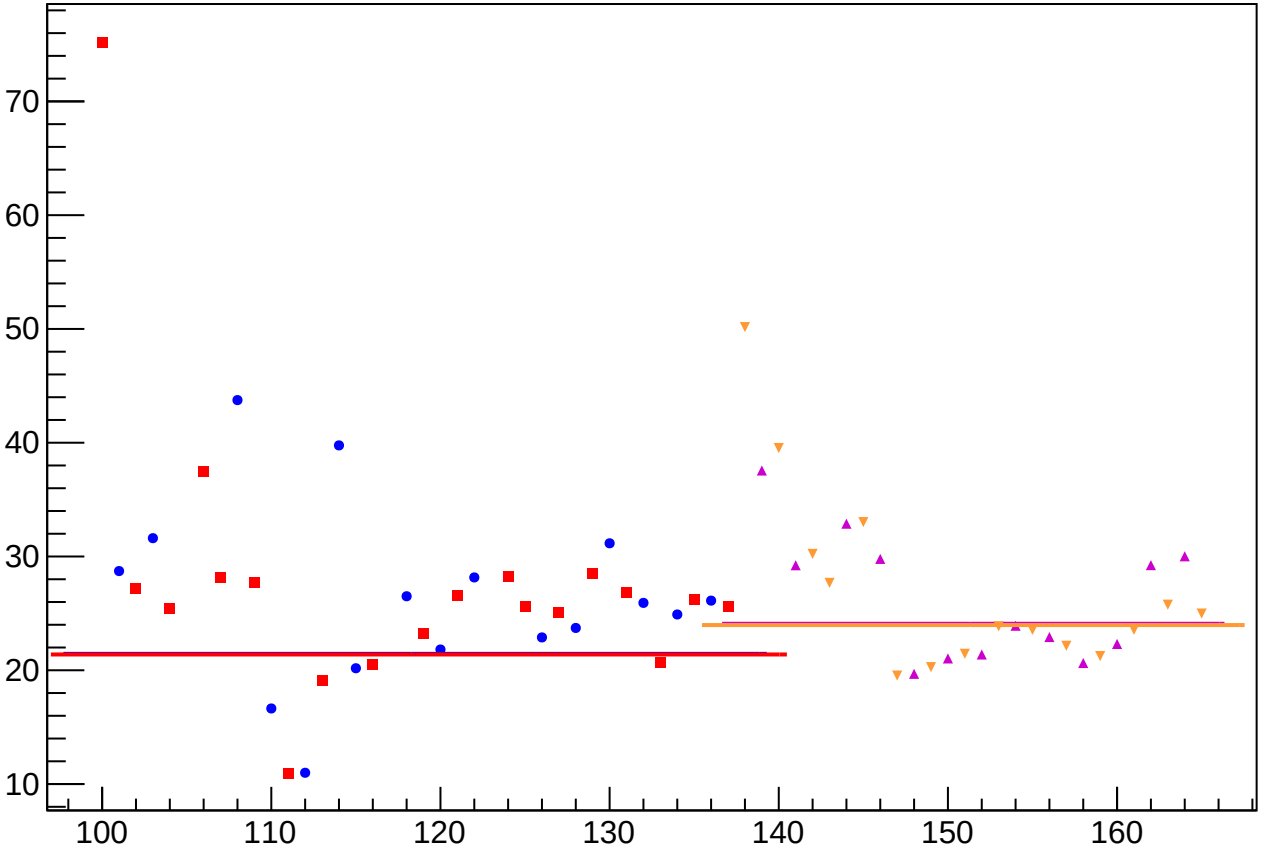
Left In: 0.002+/-0.008 χ^2/NDF:14.7/12

+ sign 0.005+/-0.006 χ^2/NDF: 40.7/30

All: 0.003+/-0.004 χ^2/NDF: 78.5/62

- sign 0.001+/-0.006 χ^2/NDF: 37.5/31

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.974+/-0.005 χ^2/NDF:1015349.3/14

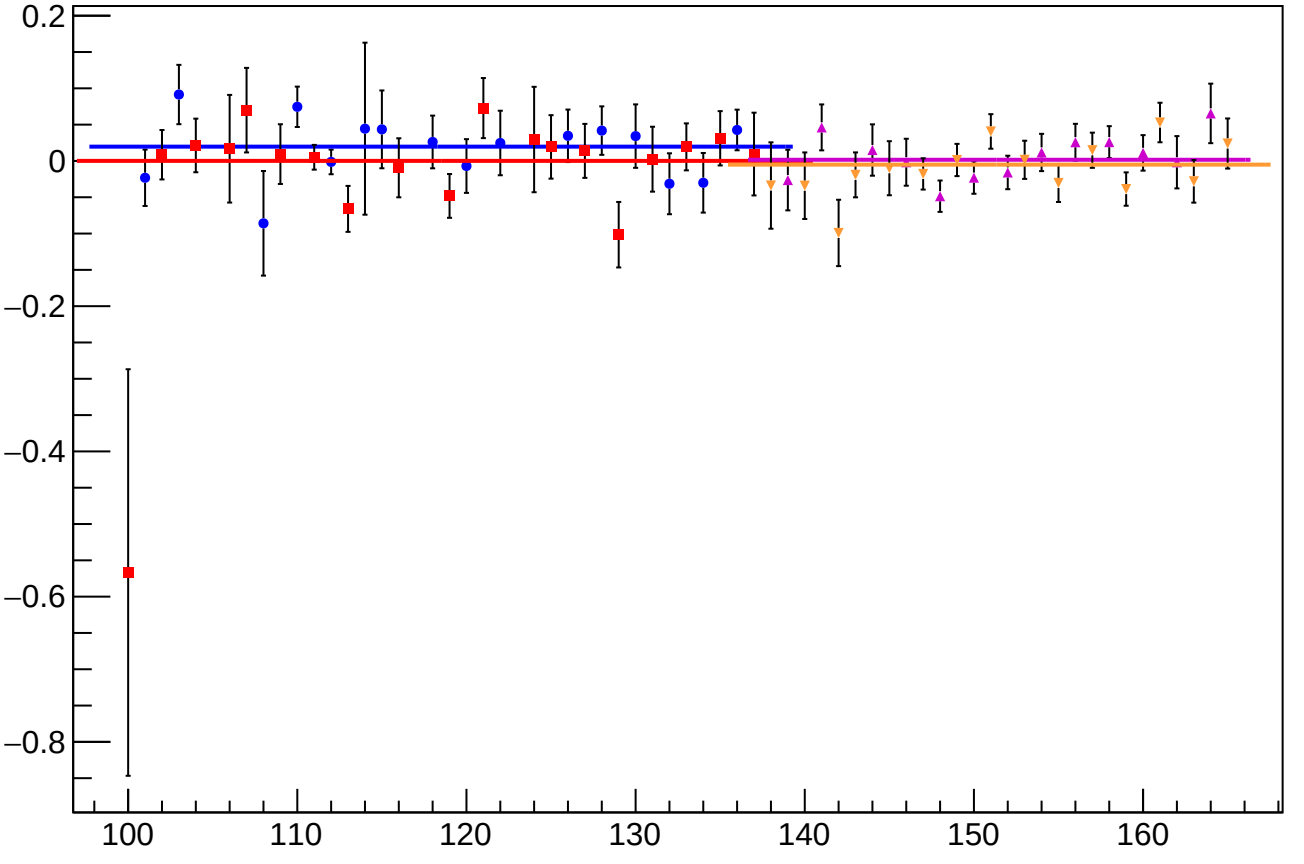
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.9/12

+ sign 22.928+/-0.004 χ^2/NDF: 2655839.4/30

All: 22.913+/-0.003 χ^2/NDF: 4822503.1/62

- sign 22.899+/-0.004 χ^2/NDF: 2166637.9/31



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.007 χ^2/NDF:18.9/14

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

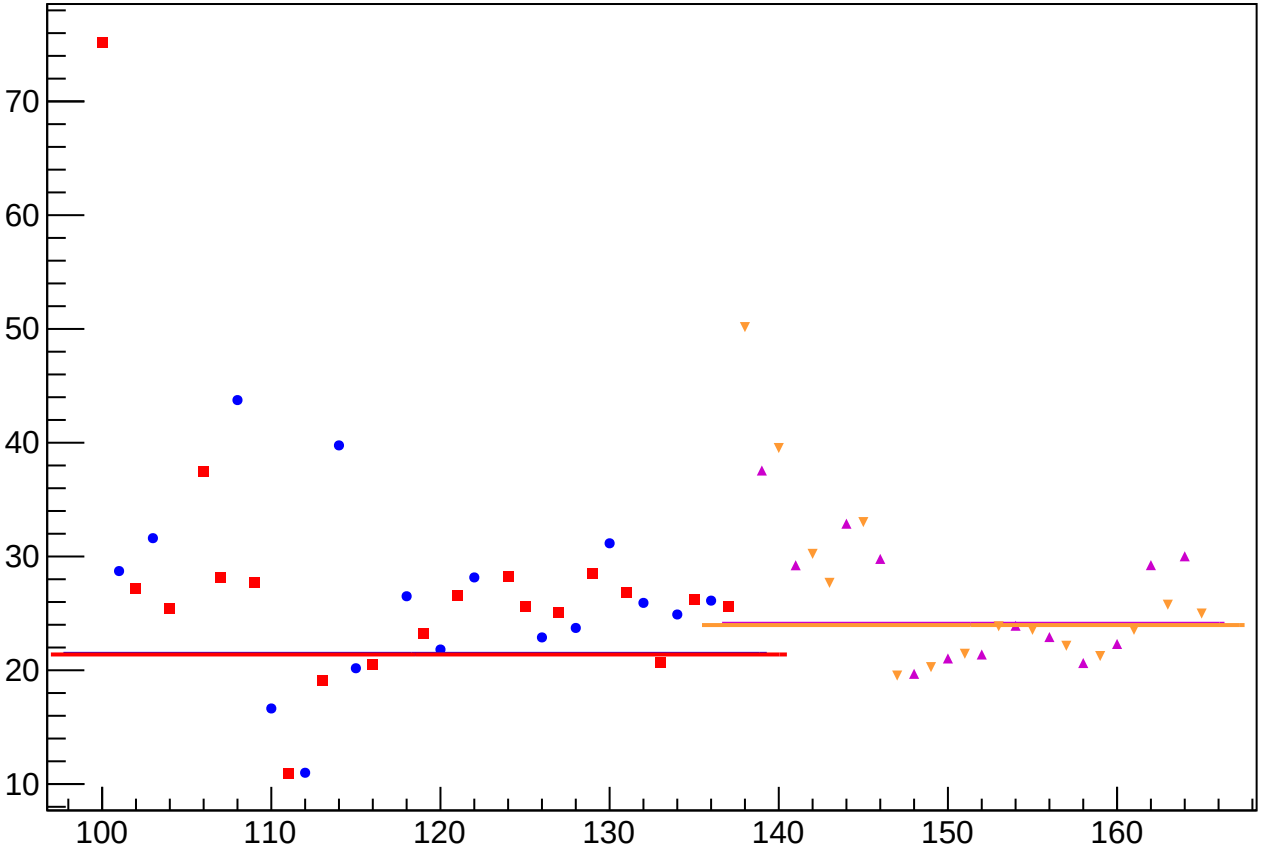
Left In: 0.002+/-0.008 χ^2/NDF:14.7/12

+ sign 0.005+/-0.006 χ^2/NDF: 40.7/30

All: 0.003+/-0.004 χ^2/NDF: 78.5/62

- sign 0.001+/-0.006 χ^2/NDF: 37.5/31

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: 23.974+/-0.005 χ^2/NDF:1015349.3/14

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

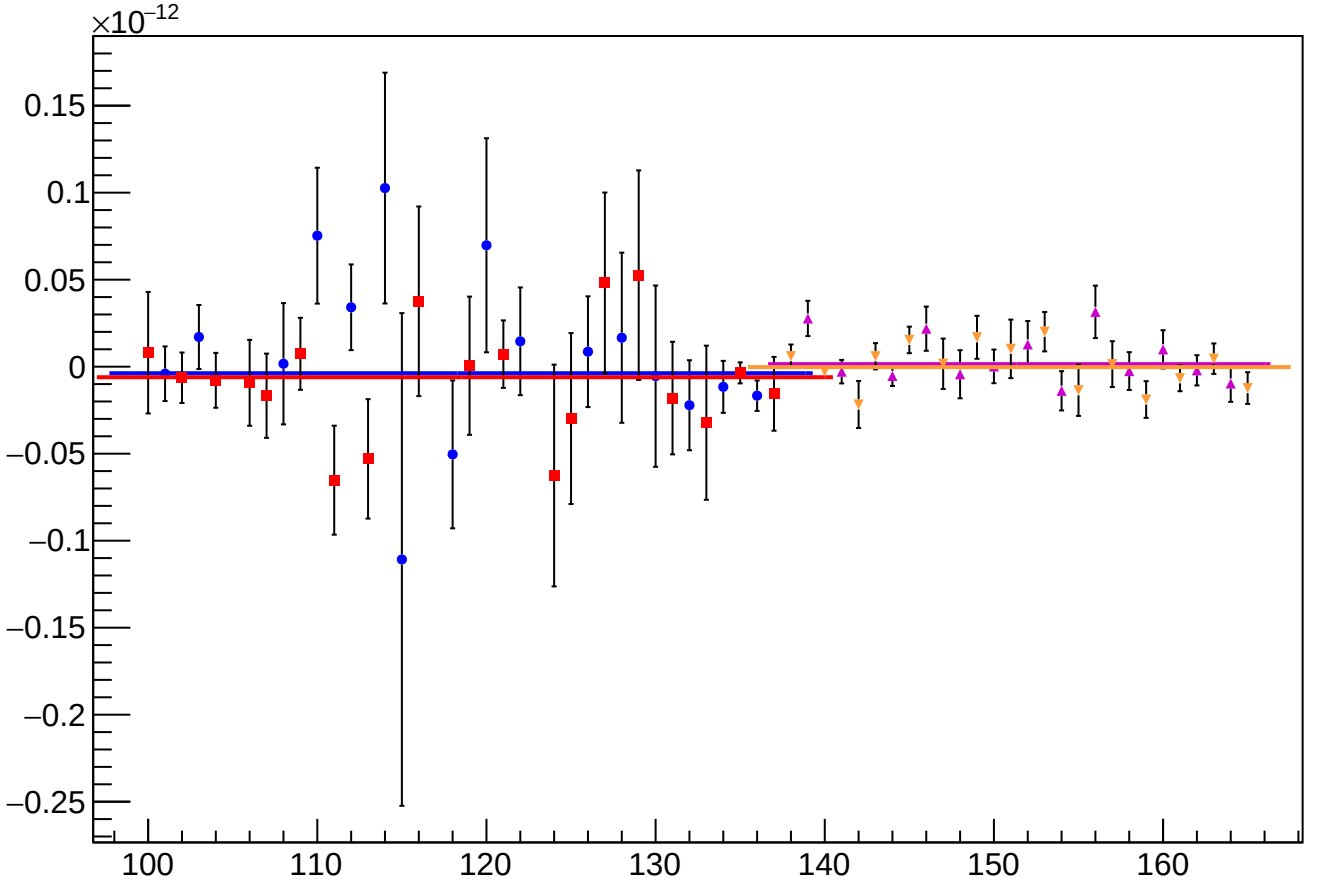
Left In: 24.087+/-0.005 χ^2/NDF:741942.9/12

+ sign 22.928+/-0.004 χ^2/NDF: 2655839.4/30

All: 22.913+/-0.003 χ^2/NDF: 4822503.1/62

- sign 22.899+/-0.004 χ^2/NDF: 2166637.9/31

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/14

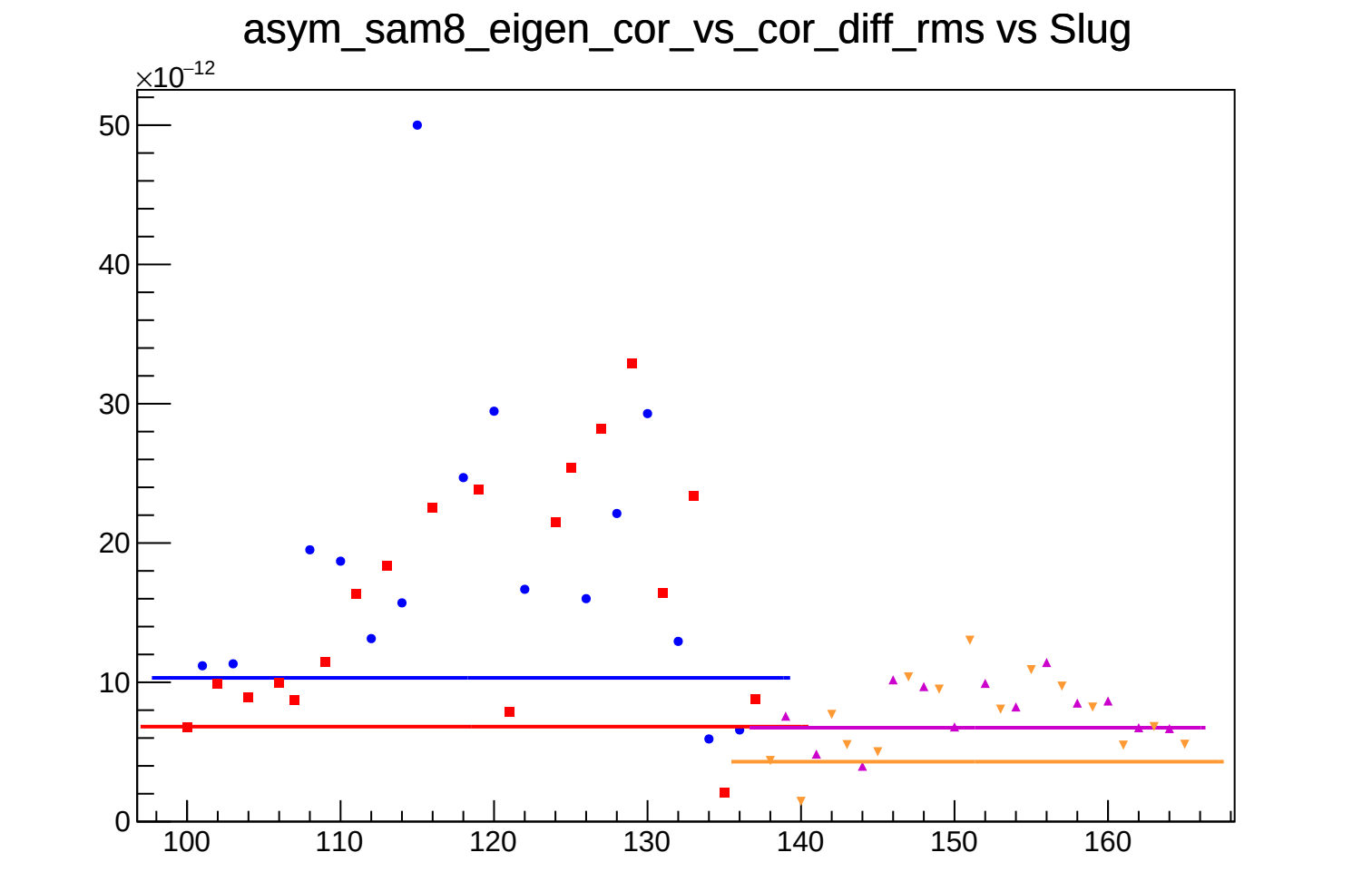
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.8/12

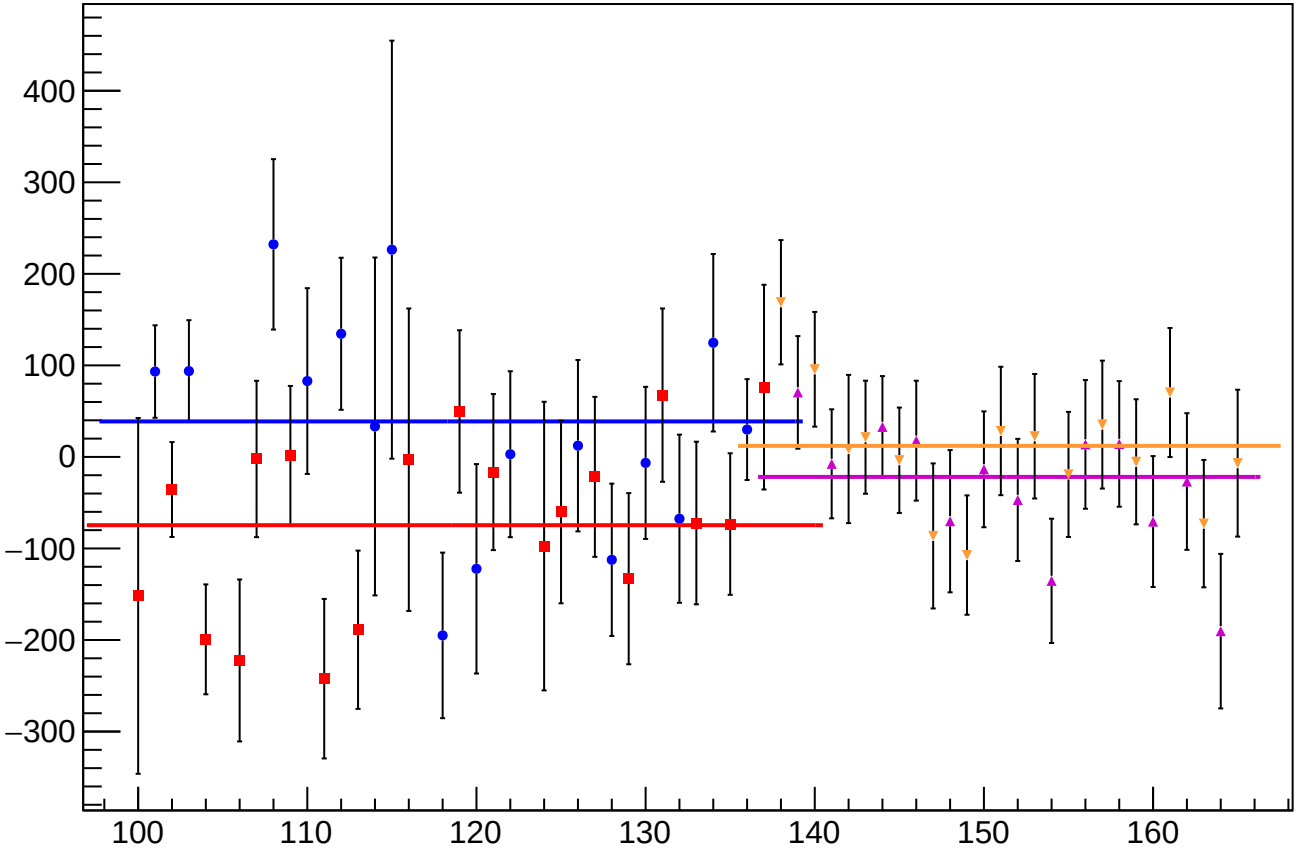
+ sign -0.000+/-0.000 χ^2/NDF: 38.9/30

All: -0.000+/-0.000 χ^2/NDF: 72.3/62

- sign -0.000+/-0.000 χ^2/NDF: 33.3/31


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4893213.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1329093.9/12
+ sign 0.000+/-0.000 χ²/NDF: 8978427.0/30
All: 0.000+/-0.000 χ²/NDF: 15095447.1/62
- sign 0.000+/-0.000 χ²/NDF: 5351354.2/31

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 12.066+/-17.681 χ^2/NDF:14.8/14

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

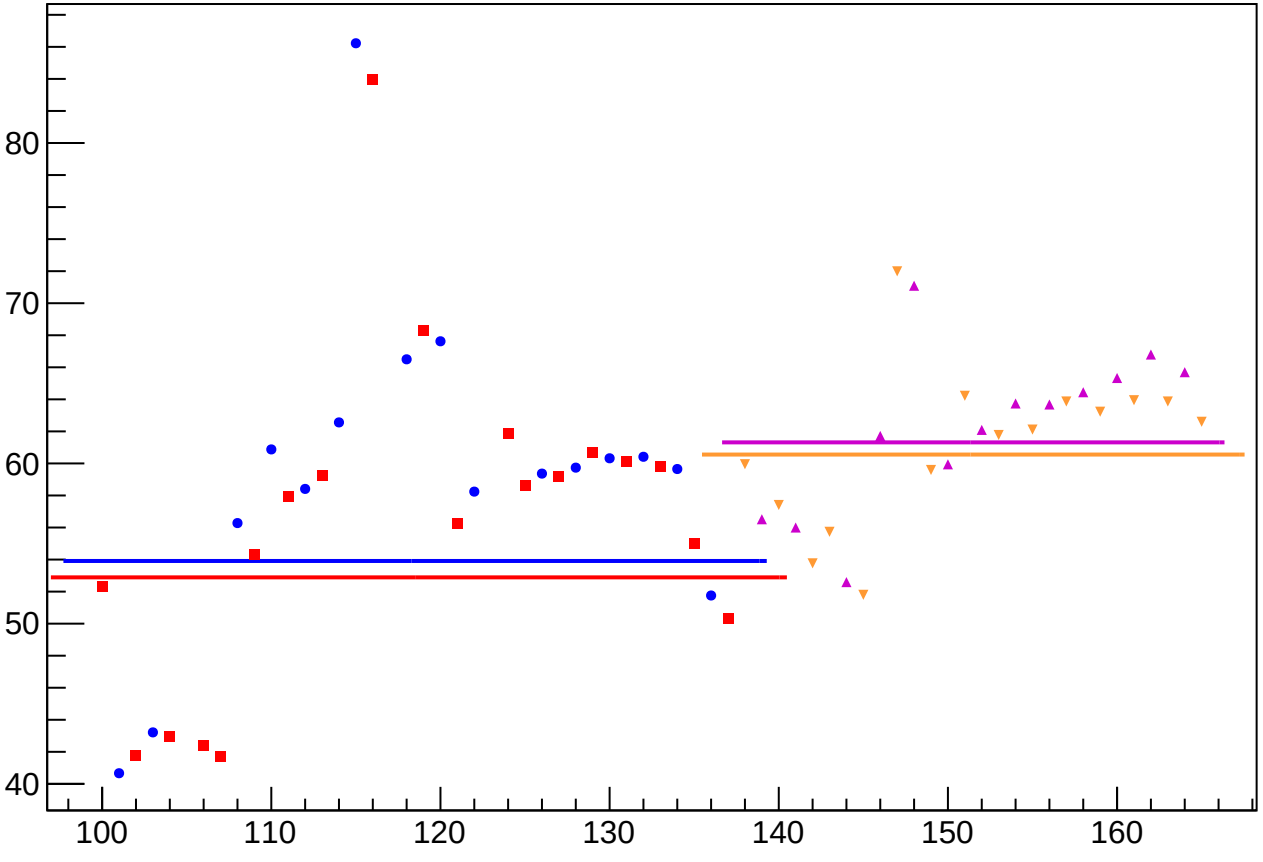
Left In: -21.832+/-18.596 χ^2/NDF:12.0/12

+ sign 23.518+/-13.365 χ^2/NDF: 39.1/30

All: -11.020+/-9.517 χ^2/NDF: 90.8/62

- sign -46.550+/-13.555 χ^2/NDF: 38.2/31

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.554+/-0.013 χ^2/NDF:145005.0/14

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

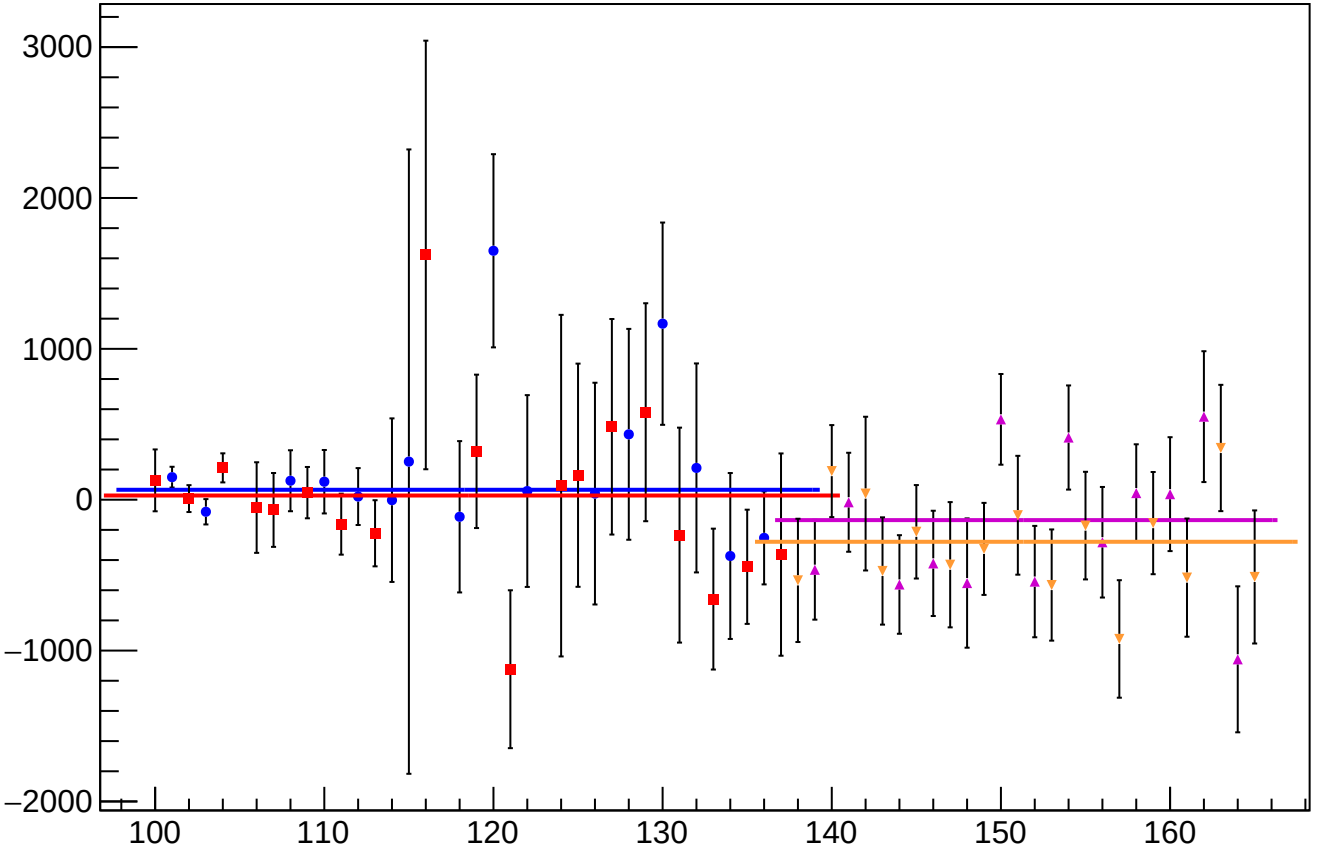
Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

+ sign 57.707+/-0.009 χ^2/NDF: 659239.4/30

All: 57.539+/-0.007 χ^2/NDF: 1419494.1/62

- sign 57.366+/-0.010 χ^2/NDF: 759613.6/31

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -278.813+/-95.426 χ^2/NDF:10.3/14

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

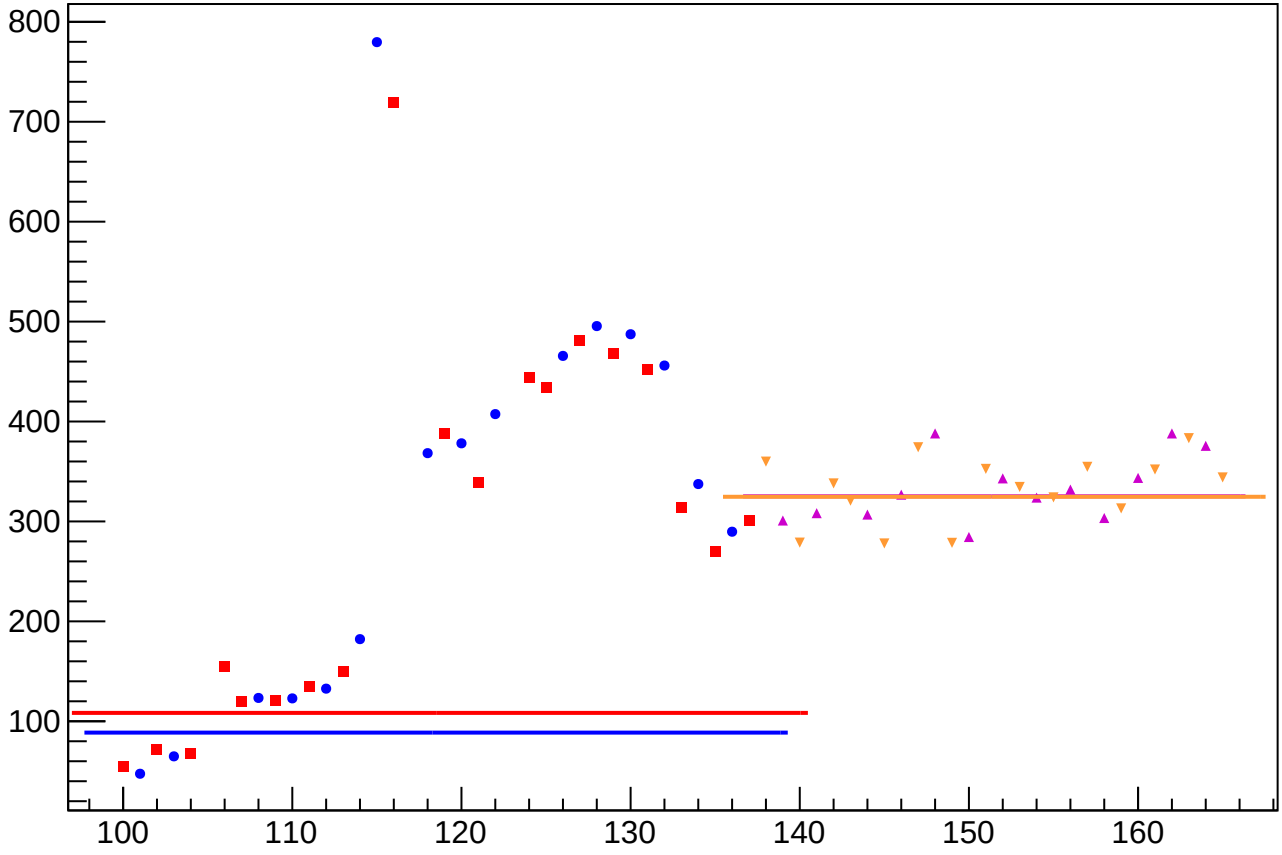
Left In: -135.216+/-99.079 χ^2/NDF:19.9/12

+ sign -0.234+/-41.786 χ^2/NDF: 36.5/30

All: -2.707+/-30.571 χ^2/NDF: 76.6/62

- sign -5.557+/-44.845 χ^2/NDF: 40.1/31

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 324.673+/-0.067 χ^2/NDF:259869.3/14

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

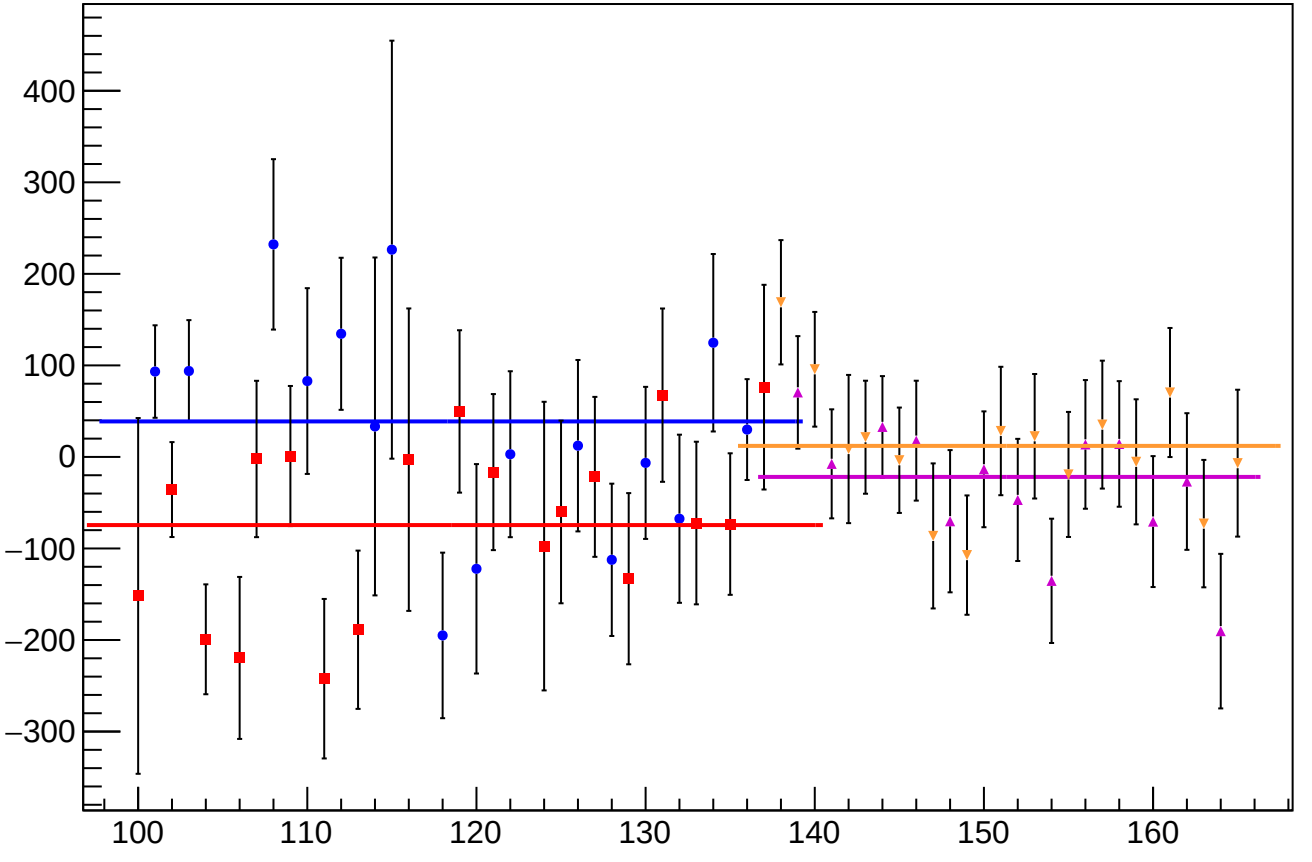
Left In: 325.143+/-0.070 χ^2/NDF:185252.7/12

+ sign 133.912+/-0.030 χ^2/NDF: 16796215.3/30

All: 142.686+/-0.022 χ^2/NDF: 30145403.3/62

- sign 152.791+/-0.032 χ^2/NDF: 13159445.4/31

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 12.067+/-17.681 χ^2/NDF:14.8/14

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

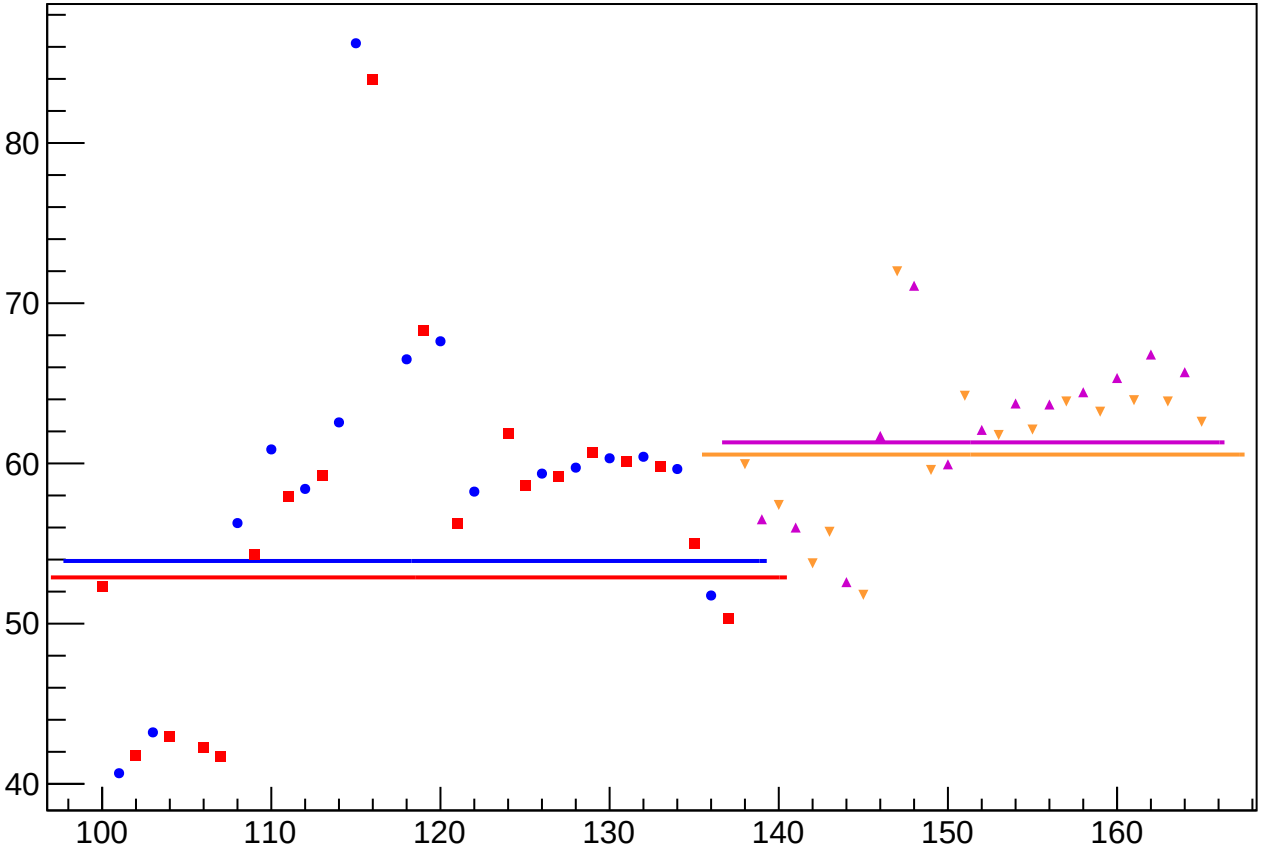
Left In: -21.831+/-18.596 χ^2/NDF:12.0/12

+ sign 23.523+/-13.365 χ^2/NDF: 39.1/30

All: -10.983+/-9.517 χ^2/NDF: 90.7/62

- sign -46.484+/-13.556 χ^2/NDF: 38.1/31

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.554+/-0.013 χ^2/NDF:145005.0/14

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

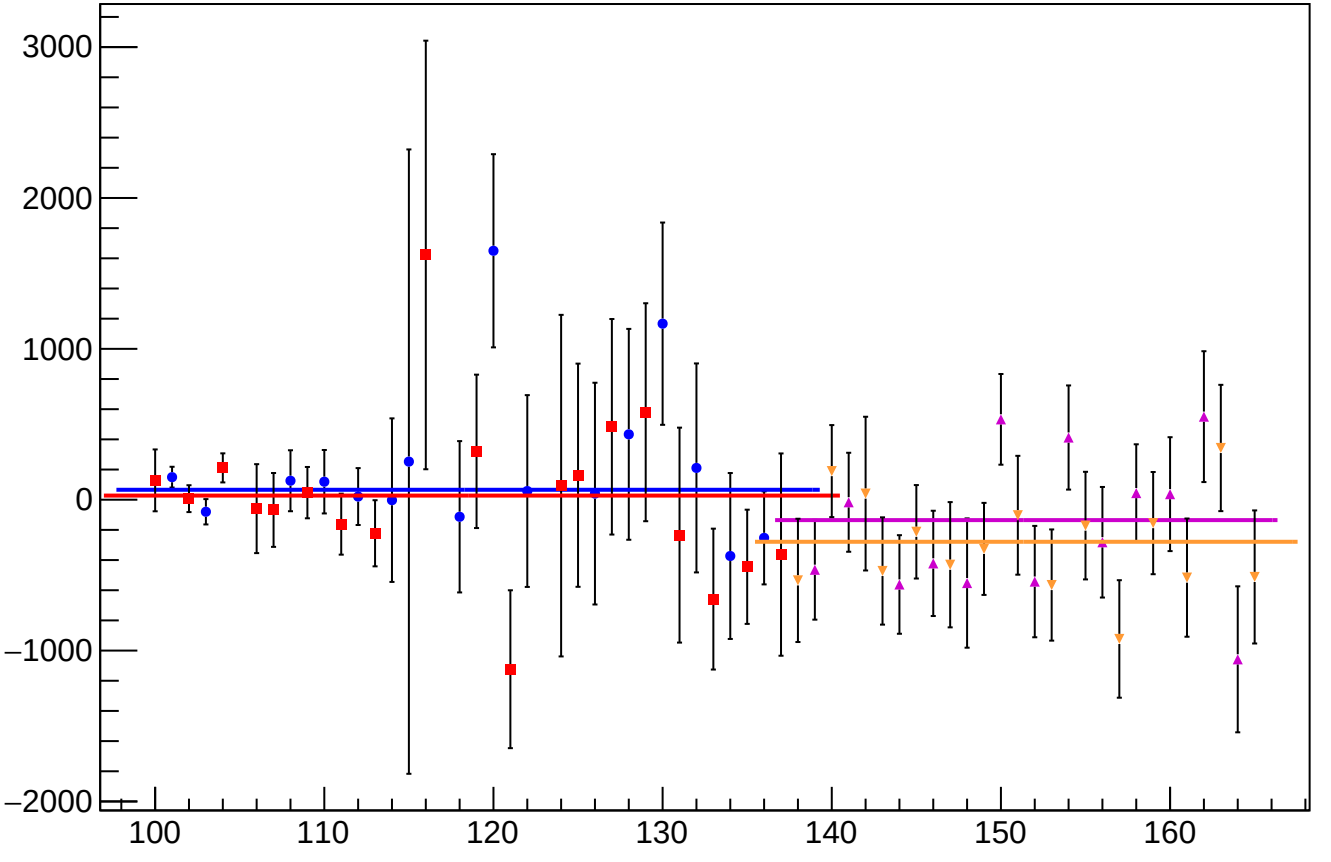
Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

+ sign 57.707+/-0.009 χ^2/NDF: 659238.5/30

All: 57.539+/-0.007 χ^2/NDF: 1419891.7/62

- sign 57.365+/-0.010 χ^2/NDF: 760009.2/31

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -278.811+/-95.427 χ^2/NDF:10.3/14

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

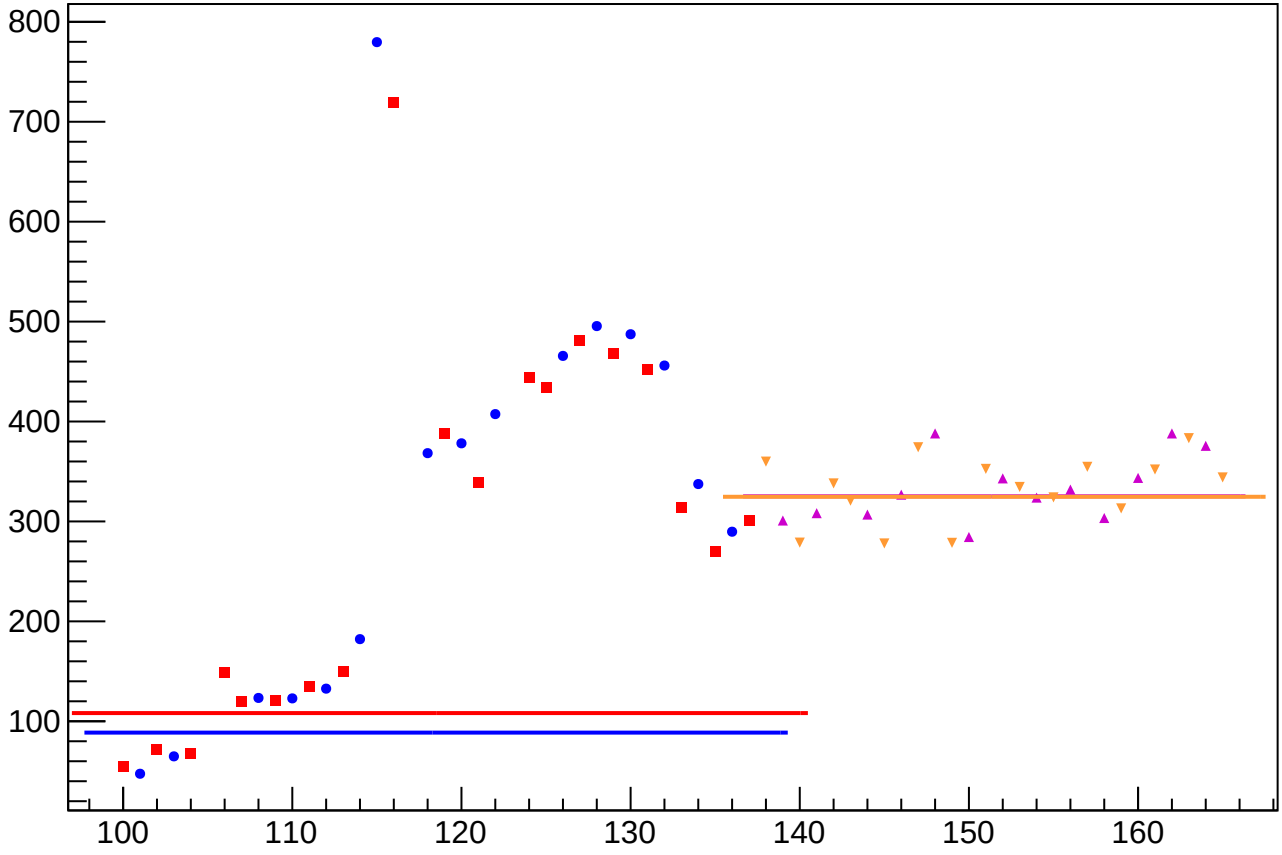
Left In: -135.215+/-99.079 χ^2/NDF:19.9/12

+ sign -0.228+/-41.785 χ^2/NDF: 36.5/30

All: -2.849+/-30.561 χ^2/NDF: 76.6/62

- sign -5.864+/-44.815 χ^2/NDF: 40.1/31

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 324.673+/-0.067 χ^2/NDF:259868.4/14

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

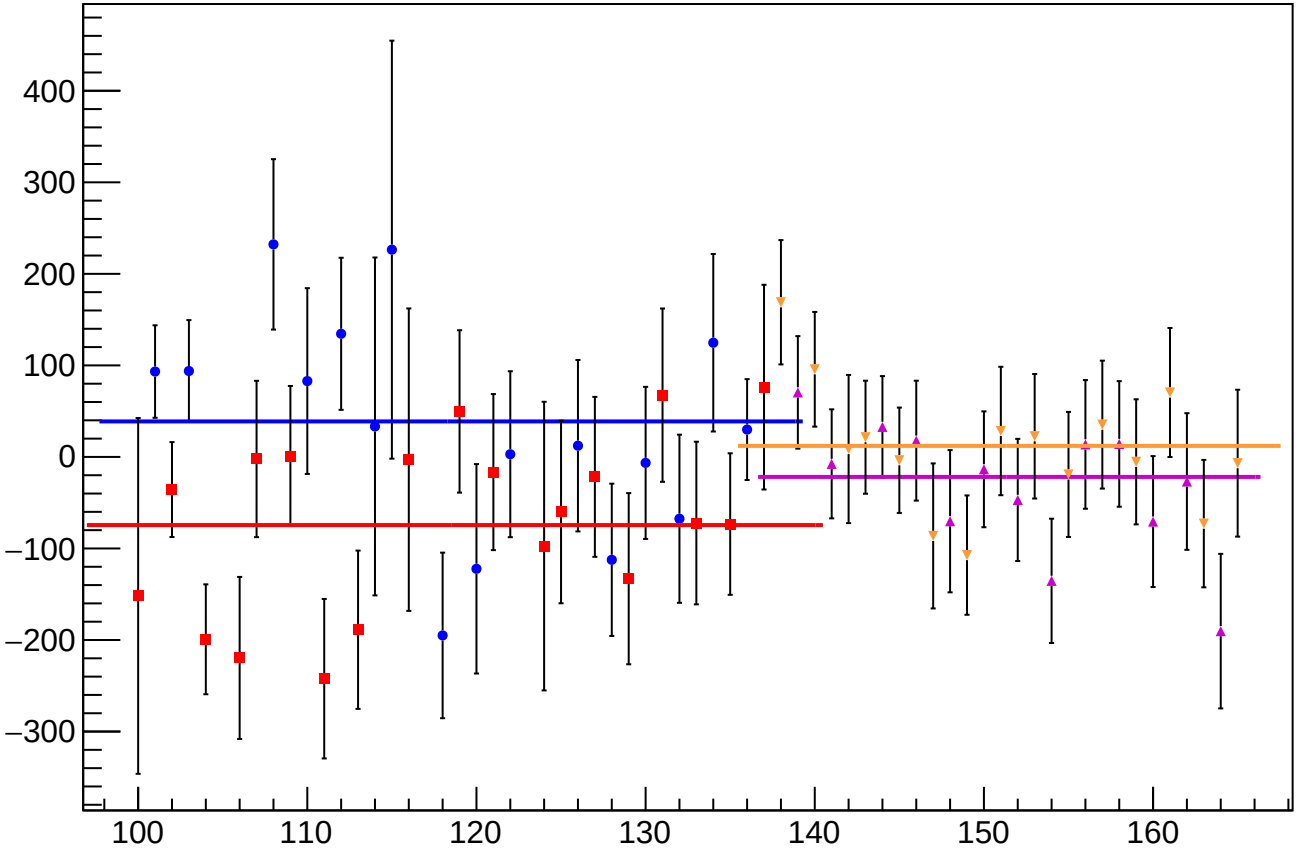
Left In: 325.143+/-0.070 χ^2/NDF:185257.1/12

+ sign 133.908+/-0.030 χ^2/NDF: 16796594.3/30

All: 142.596+/-0.022 χ^2/NDF: 30149175.6/62

- sign 152.589+/-0.032 χ^2/NDF: 13166668.8/31

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 12.067+/-17.681 χ^2/NDF:14.8/14

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

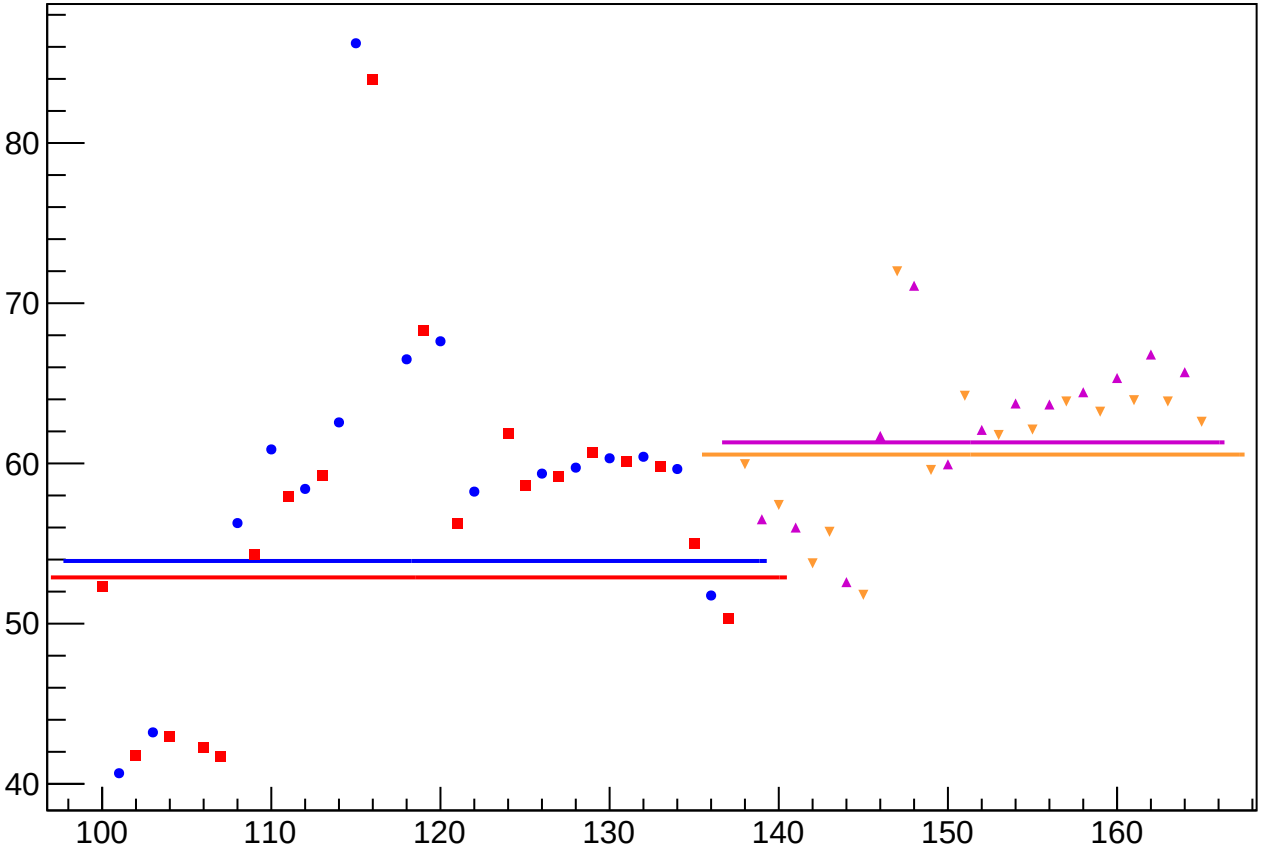
Left In: -21.831+/-18.596 χ^2/NDF:12.0/12

+ sign 23.523+/-13.365 χ^2/NDF: 39.1/30

All: -10.983+/-9.517 χ^2/NDF: 90.7/62

- sign -46.484+/-13.556 χ^2/NDF: 38.1/31

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.554+/-0.013 χ^2/NDF:145005.0/14

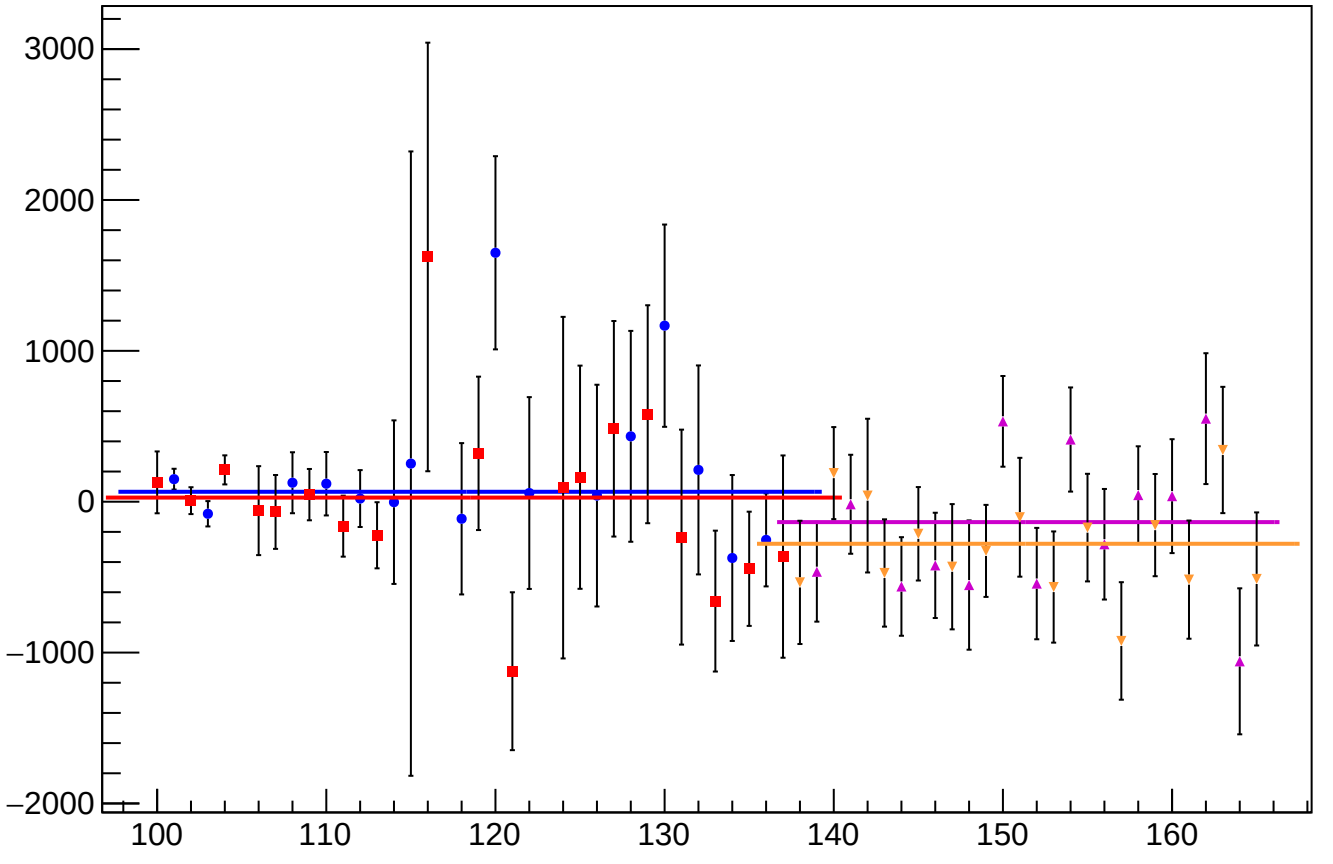
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

+ sign 57.707+/-0.009 χ^2/NDF: 659238.5/30

All: 57.539+/-0.007 χ^2/NDF: 1419891.7/62

- sign 57.365+/-0.010 χ^2/NDF: 760009.2/31



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -278.811+/-95.427 χ^2/NDF:10.3/14

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

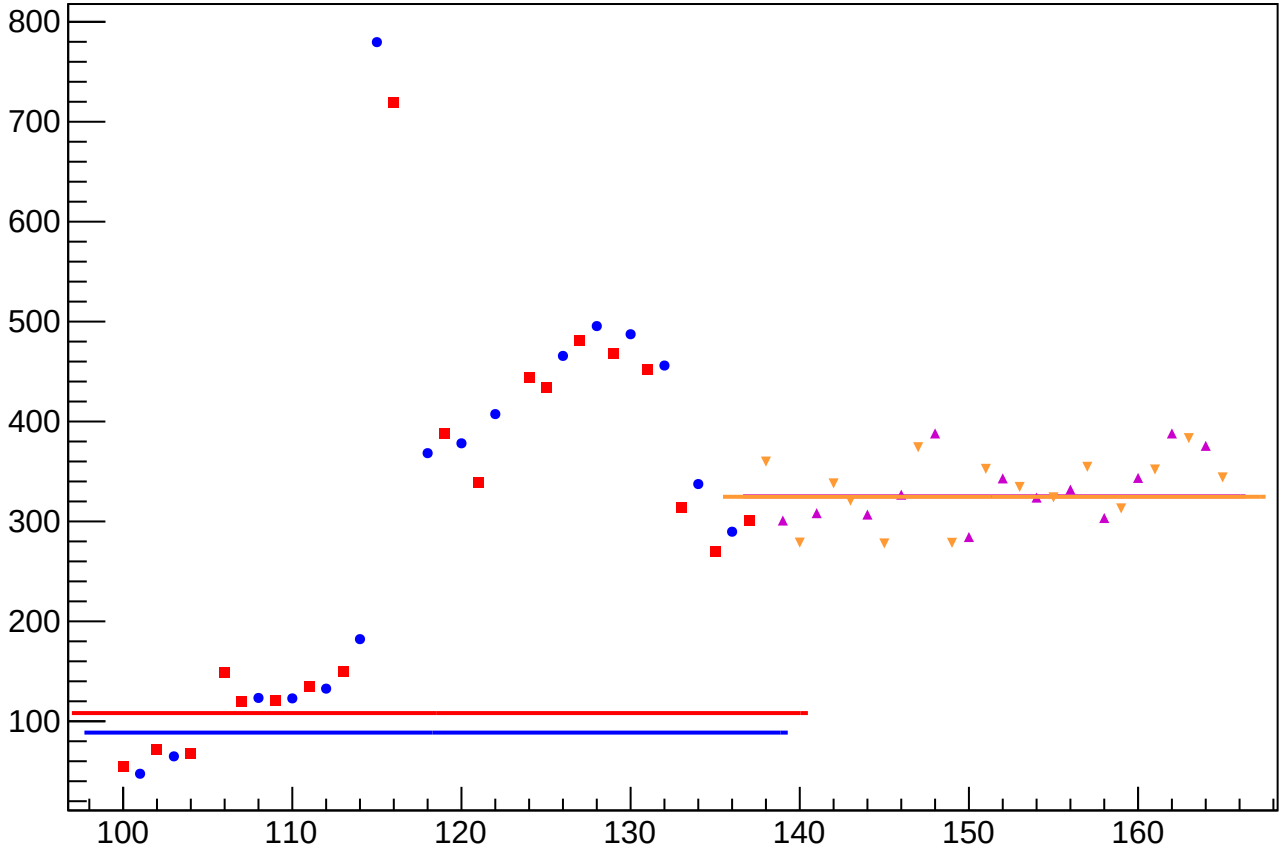
Left In: -135.215+/-99.079 χ^2/NDF:19.9/12

+ sign -0.228+/-41.785 χ^2/NDF: 36.5/30

All: -2.849+/-30.561 χ^2/NDF: 76.6/62

- sign -5.864+/-44.815 χ^2/NDF: 40.1/31

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 324.673+/-0.067 χ^2/NDF:259868.4/14

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

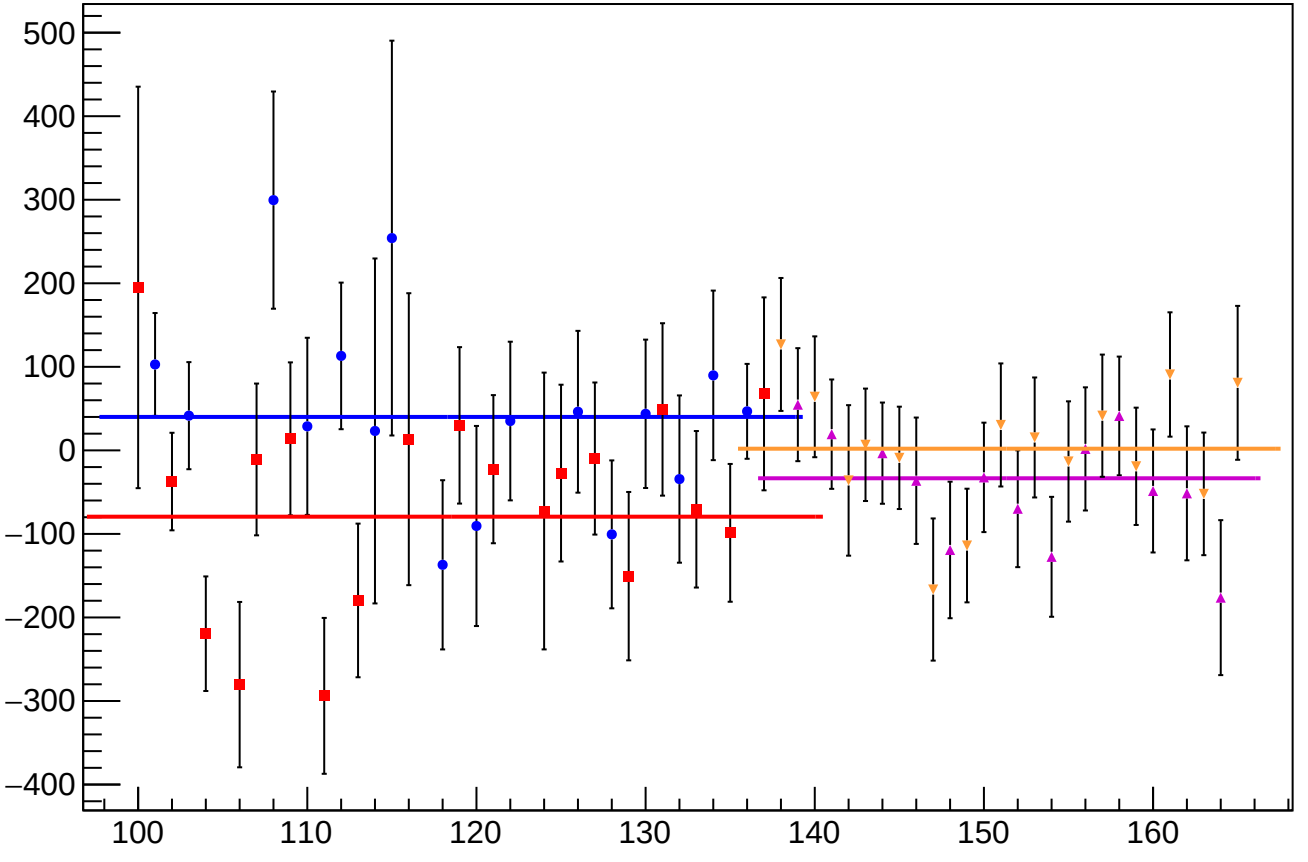
Left In: 325.143+/-0.070 χ^2/NDF:185257.1/12

+ sign 133.908+/-0.030 χ^2/NDF: 16796594.3/30

All: 142.596+/-0.022 χ^2/NDF: 30149175.6/62

- sign 152.589+/-0.032 χ^2/NDF: 13166668.8/31

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 1.995+/-19.038 χ^2/NDF:13.6/14

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

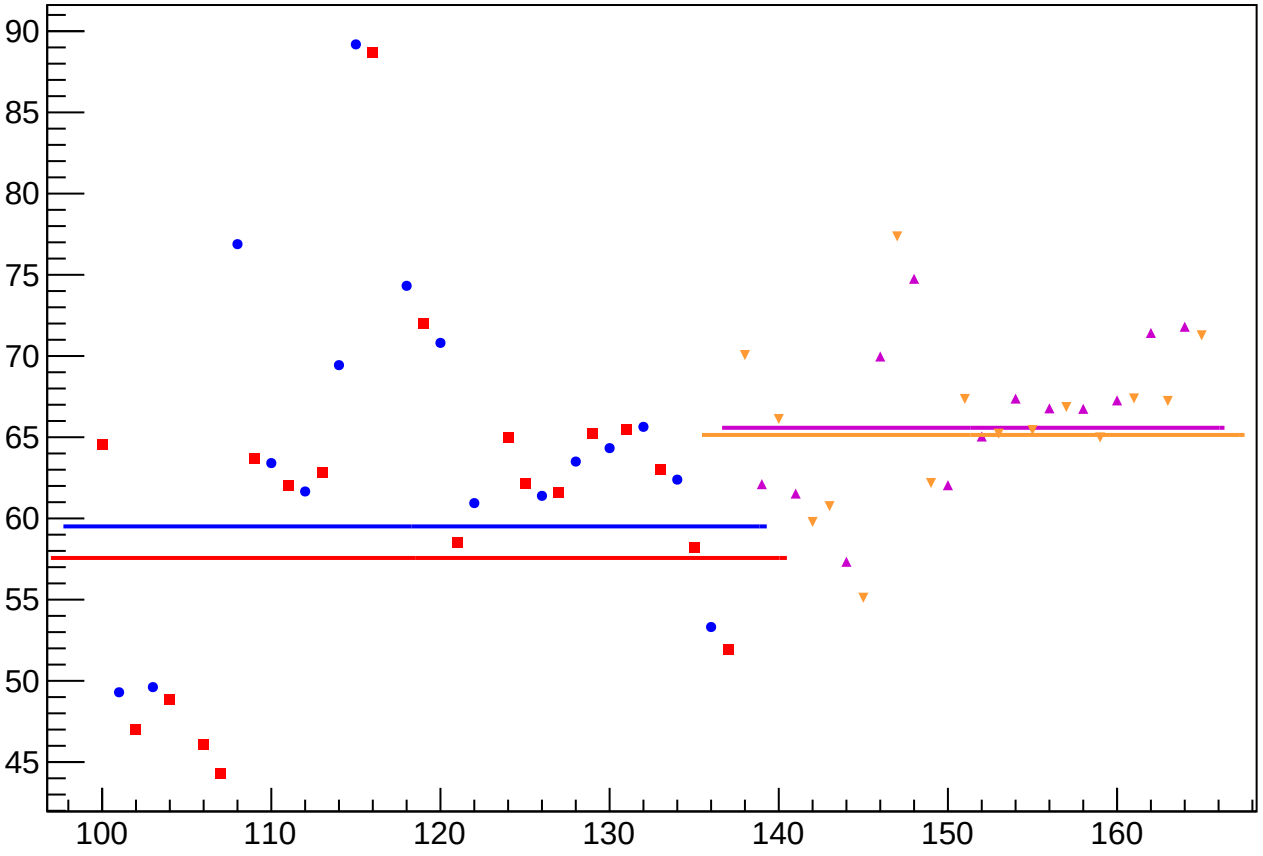
Left In: -33.404+/-19.925 χ^2/NDF:9.5/12

+ sign 17.853+/-14.537 χ^2/NDF: 29.4/30

All: -18.106+/-10.315 χ^2/NDF: 78.4/62

- sign -54.564+/-14.638 χ^2/NDF: 36.7/31

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.141+/-0.013 χ^2/NDF:137449.5/14

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

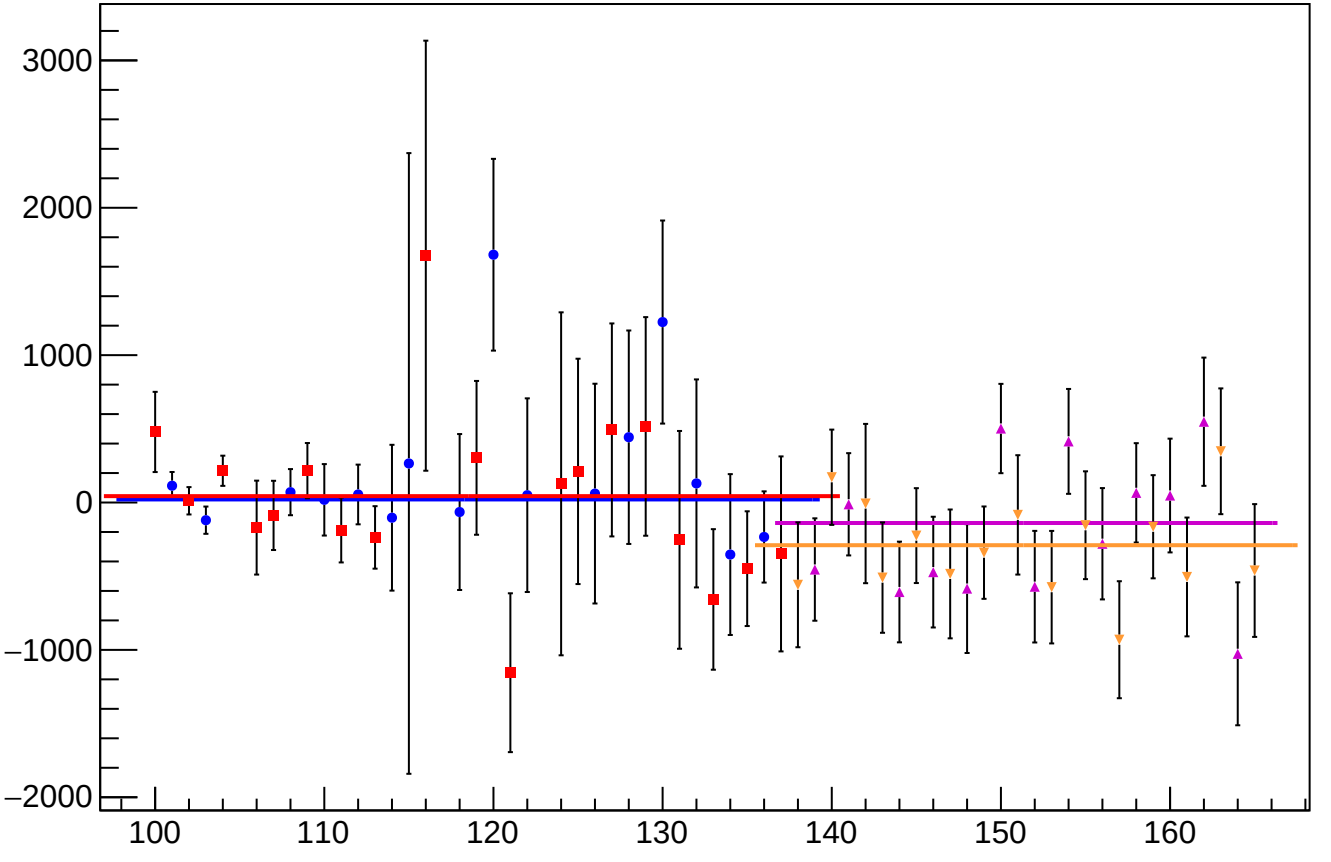
Left In: 65.581+/-0.014 χ^2/NDF:110868.7/12

+ sign 62.793+/-0.010 χ^2/NDF: 493609.4/30

All: 62.346+/-0.007 χ^2/NDF: 1104599.8/62

- sign 61.893+/-0.010 χ^2/NDF: 607185.8/31

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -289.668+/-98.879 χ^2/NDF:9.7/14

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

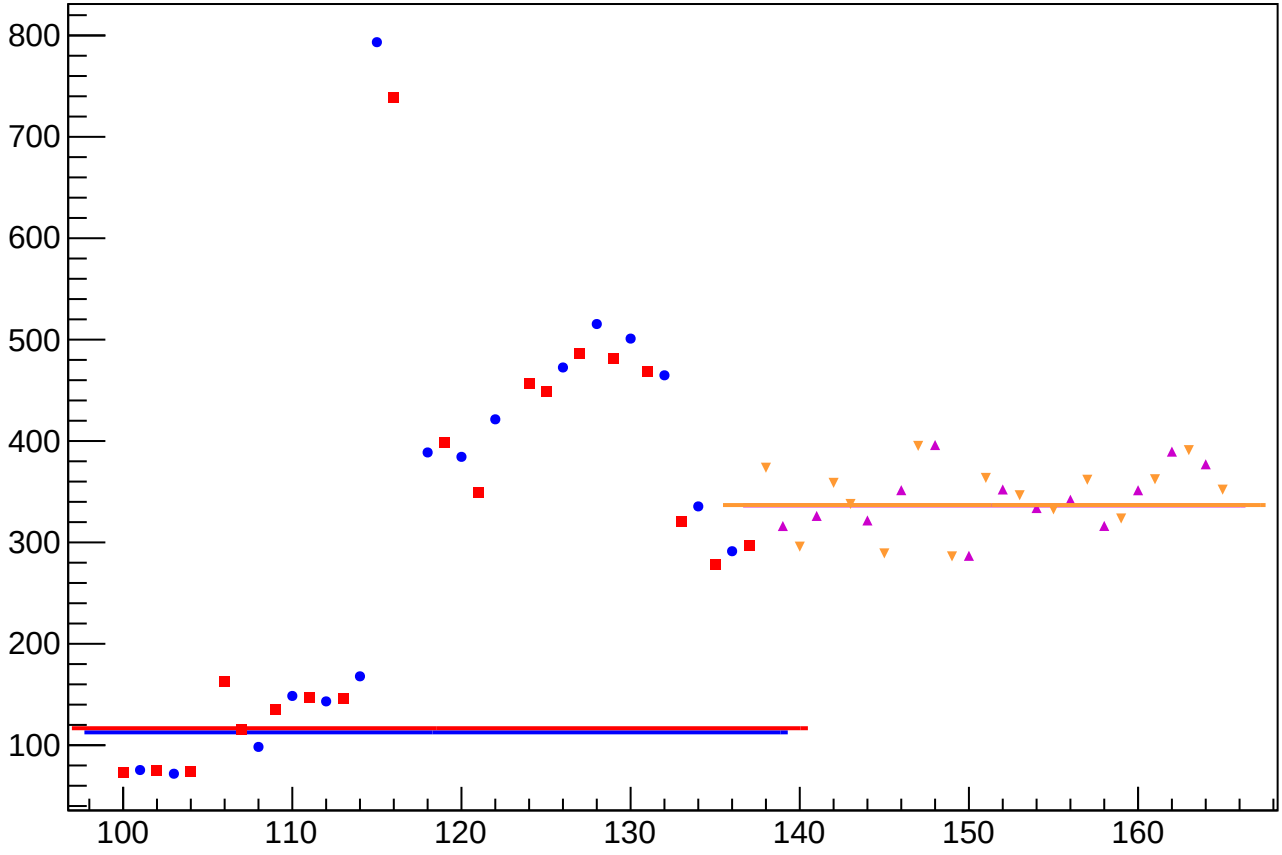
Left In: -138.992+/-102.437 χ^2/NDF:19.4/12

+ sign -49.650+/-47.112 χ^2/NDF: 31.9/30

All: -22.619+/-33.351 χ^2/NDF: 76.0/62

- sign 4.536+/-47.220 χ^2/NDF: 43.4/31

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 336.846+/-0.070 χ^2/NDF:245846.6/14

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

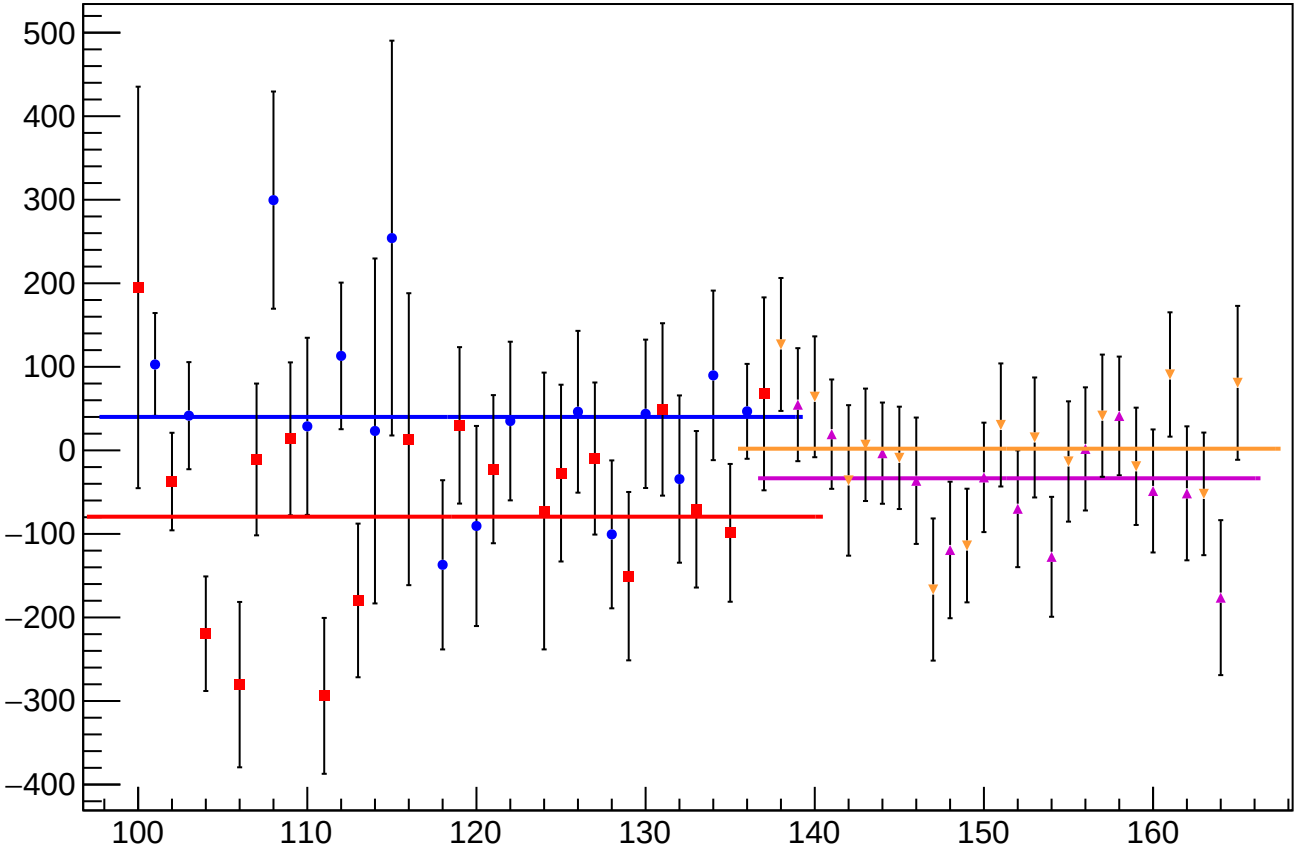
Left In: 336.496+/-0.072 χ^2/NDF:164466.9/12

+ sign 163.560+/-0.033 χ^2/NDF: 13792081.8/30

All: 163.495+/-0.024 χ^2/NDF: 26346991.5/62

- sign 163.429+/-0.033 χ^2/NDF: 12554902.1/31

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 1.996+/-19.038 χ^2/NDF:13.6/14

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

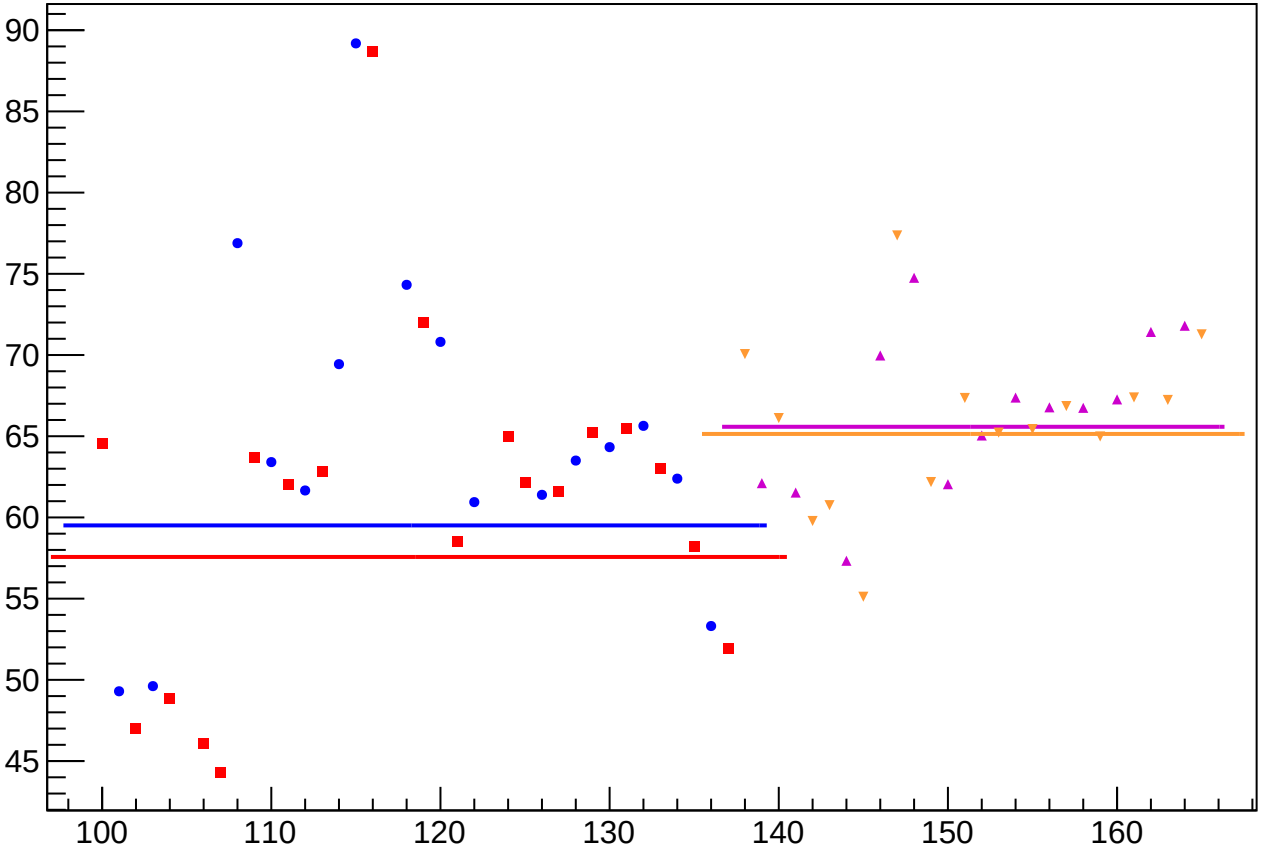
Left In: -33.404+/-19.925 χ^2/NDF:9.5/12

+ sign 17.853+/-14.537 χ^2/NDF: 29.4/30

All: -18.105+/-10.315 χ^2/NDF: 78.4/62

- sign -54.564+/-14.638 χ^2/NDF: 36.7/31

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.141+/-0.013 χ^2/NDF:137452.7/14

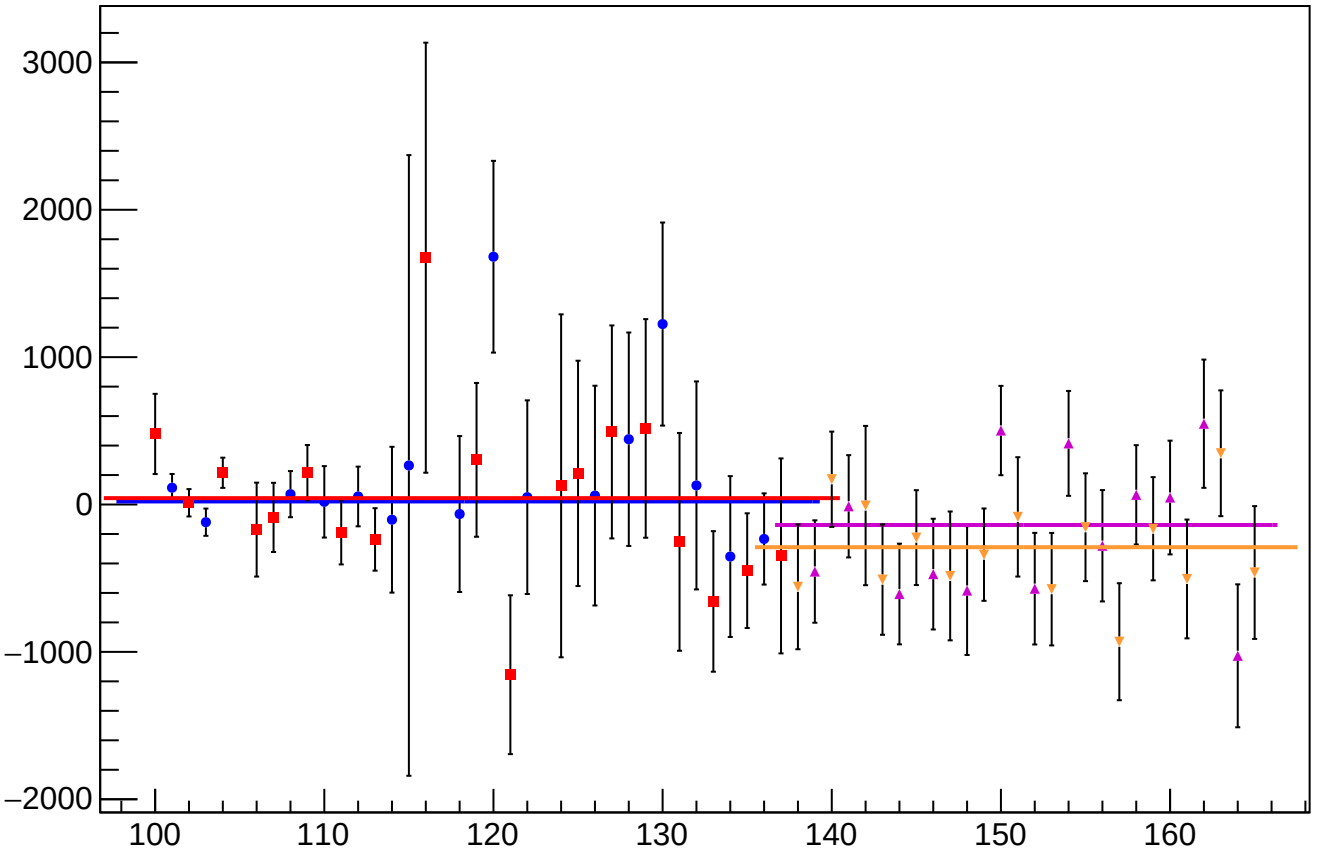
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 65.582+/-0.014 χ^2/NDF:110865.6/12

+ sign 62.793+/-0.010 χ^2/NDF: 493615.8/30

All: 62.346+/-0.007 χ^2/NDF: 1104607.7/62

- sign 61.893+/-0.010 χ^2/NDF: 607187.4/31



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -289.668+/-98.879 χ^2/NDF:9.7/14

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

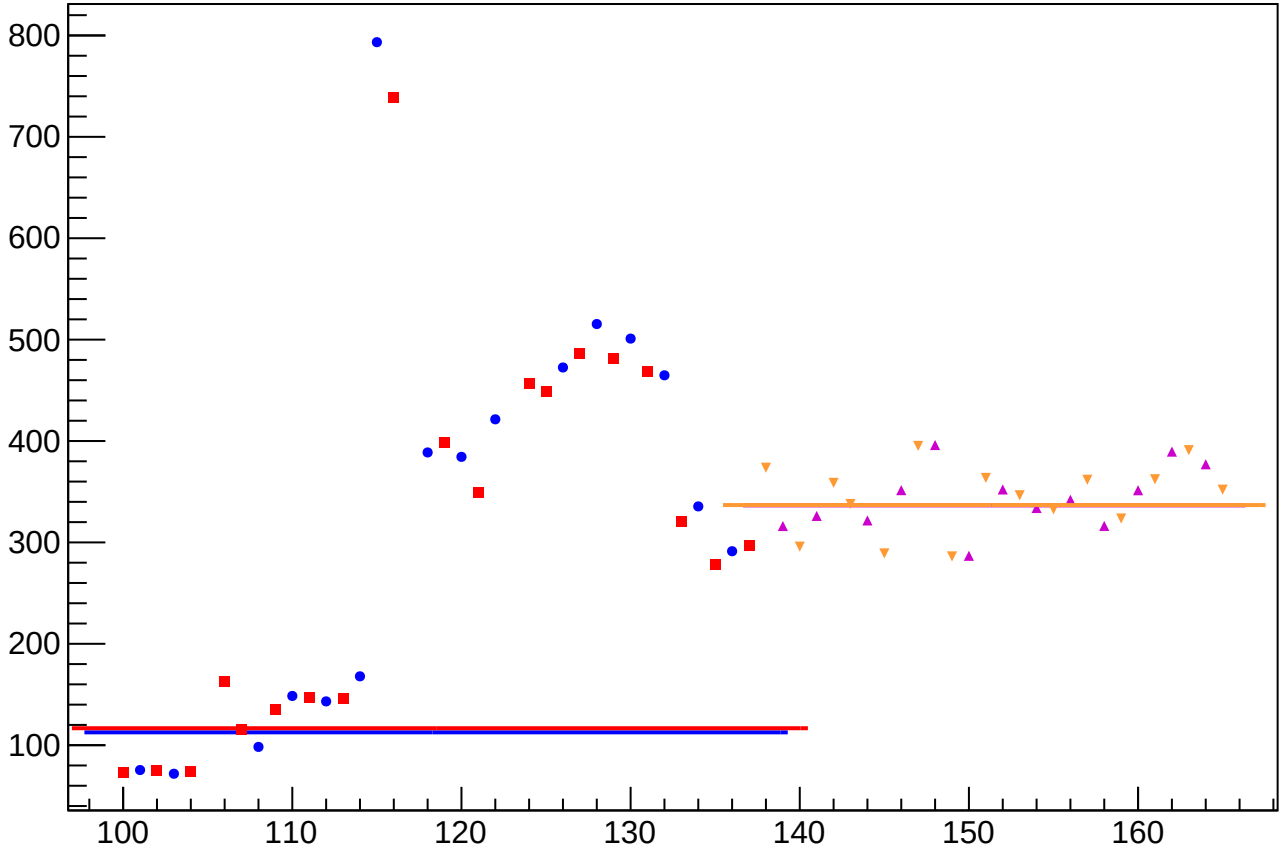
Left In: -138.992+/-102.438 χ^2/NDF:19.4/12

+ sign -49.650+/-47.112 χ^2/NDF: 31.9/30

All: -22.619+/-33.351 χ^2/NDF: 76.0/62

- sign 4.536+/-47.220 χ^2/NDF: 43.4/31

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 336.847+/-0.070 χ^2/NDF:245845.4/14

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

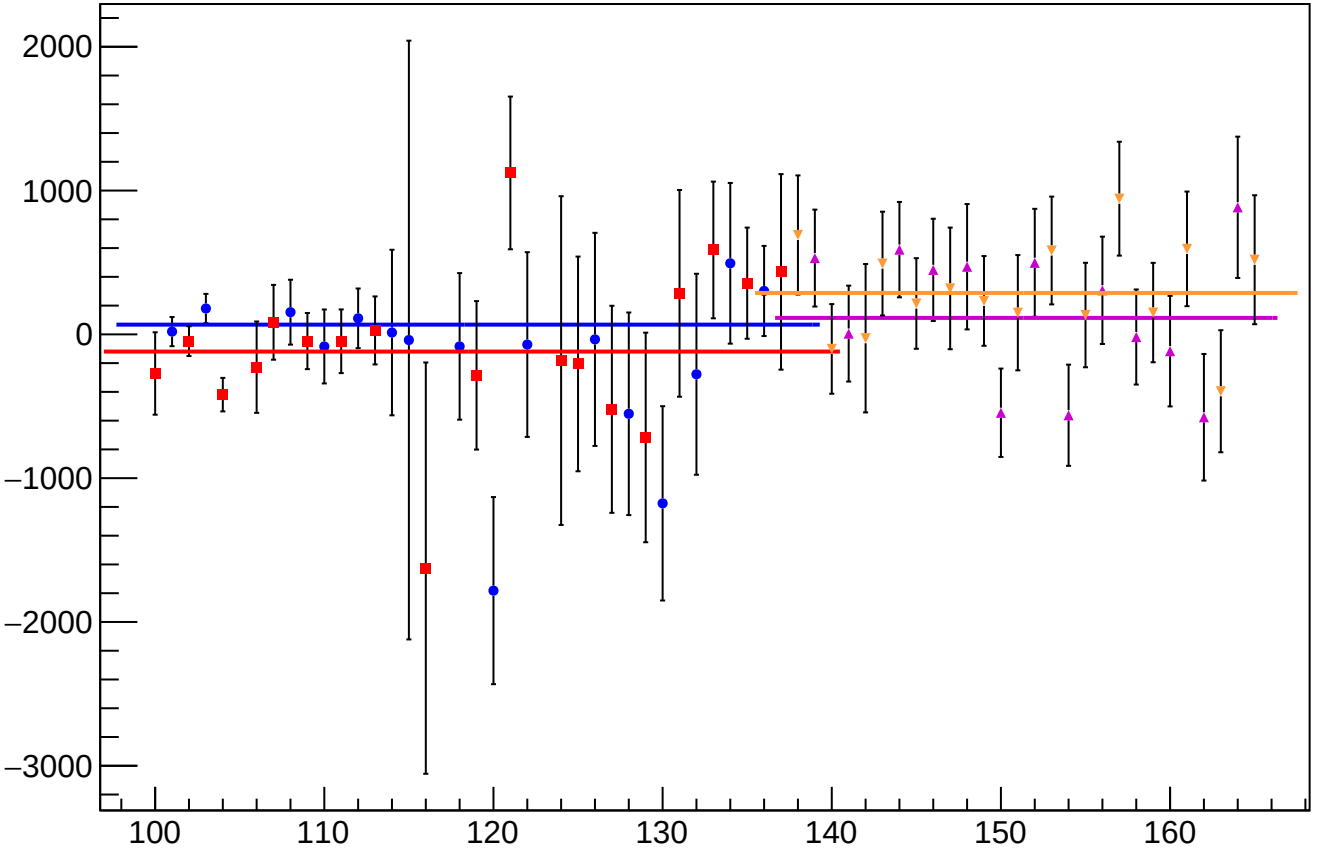
Left In: 336.497+/-0.072 χ^2/NDF:164462.8/12

+ sign 163.560+/-0.033 χ^2/NDF: 13792129.0/30

All: 163.494+/-0.024 χ^2/NDF: 26347090.6/62

- sign 163.429+/-0.033 χ^2/NDF: 12554953.9/31

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 288.021+/-97.133 χ^2/NDF:10.6/14

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

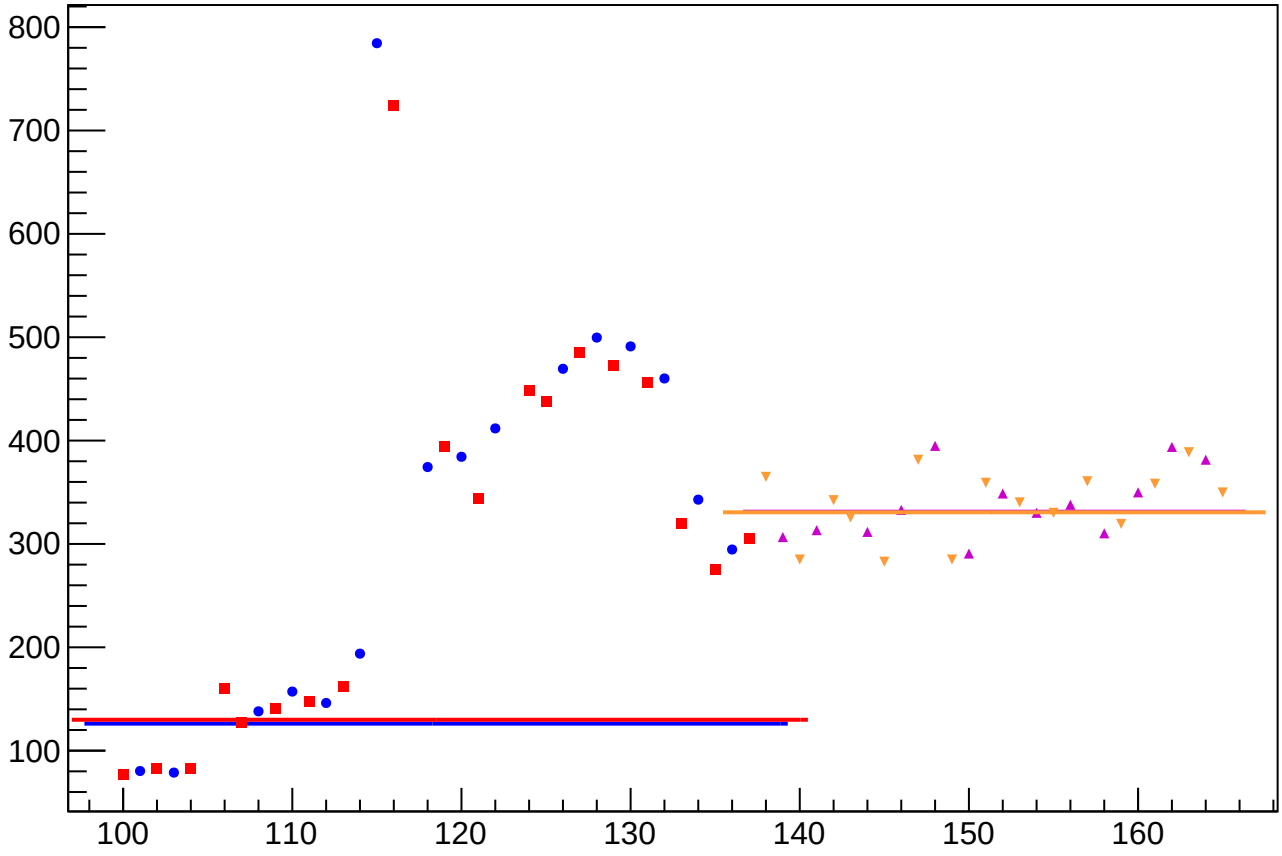
Left In: 114.483+/-100.887 χ^2/NDF:20.3/12

+ sign 127.270+/-50.532 χ^2/NDF: 30.1/30

All: 32.313+/-35.629 χ^2/NDF: 82.6/62

- sign -61.567+/-50.244 χ^2/NDF: 45.5/31

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 330.622+/-0.069 χ^2/NDF:251629.5/14

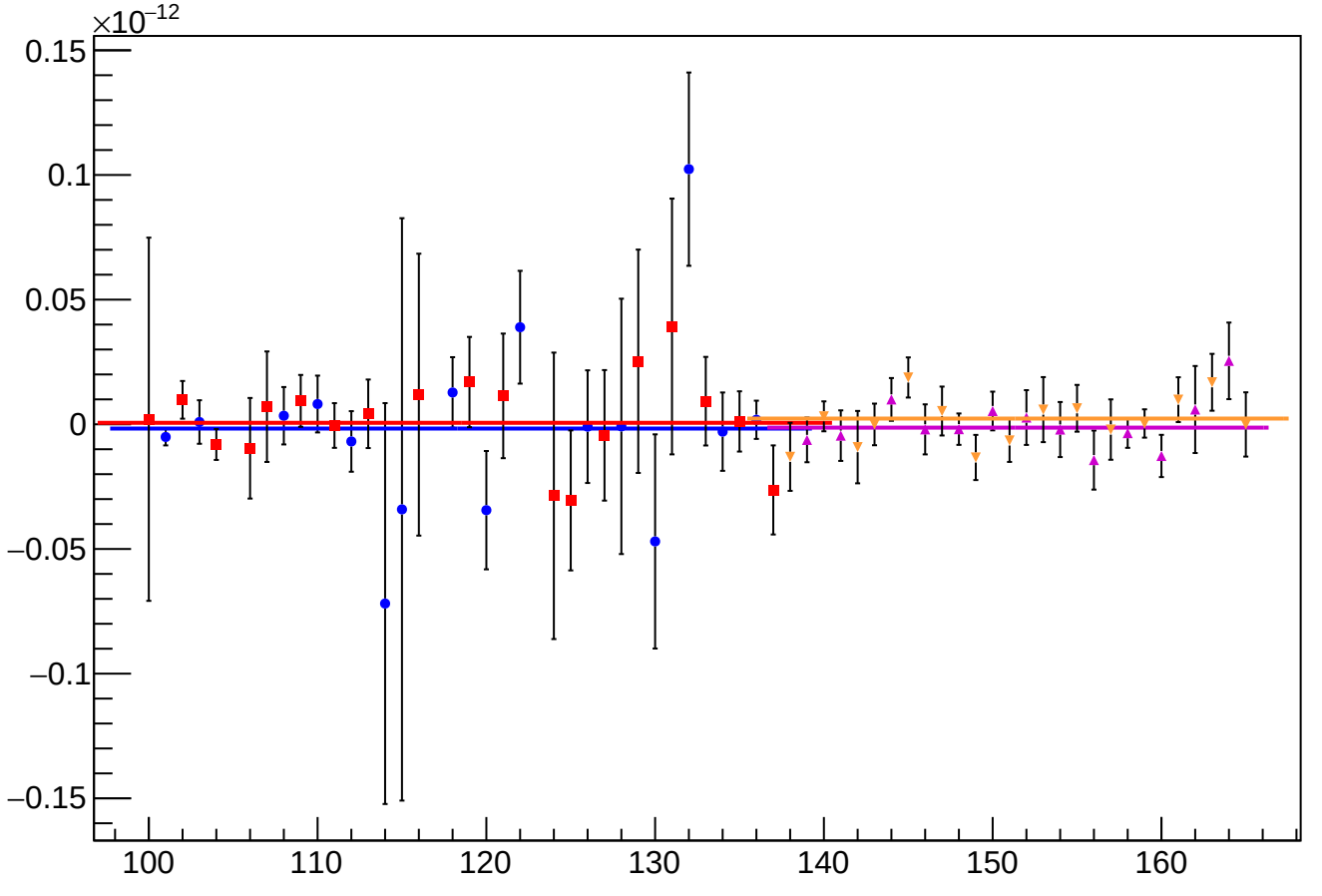
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 331.197+/-0.071 χ^2/NDF:180065.3/12

+ sign 181.491+/-0.036 χ^2/NDF: 11935556.4/30

All: 180.660+/-0.025 χ^2/NDF: 22750843.2/62

- sign 179.839+/-0.036 χ^2/NDF: 10814210.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/14

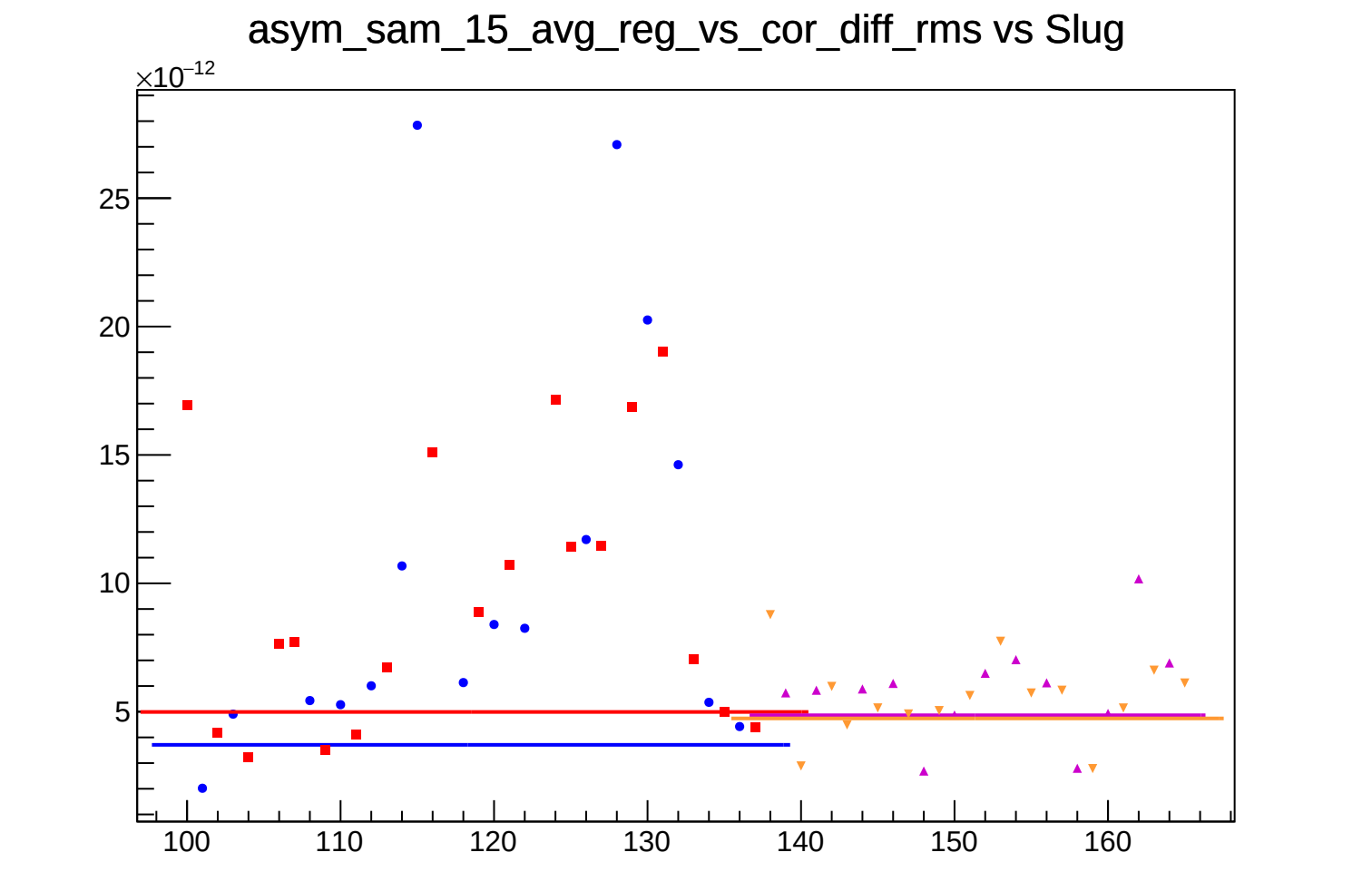
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/30

All: 0.000+/-0.000 χ^2/NDF: 52.6/62

- sign -0.000+/-0.000 χ^2/NDF: 20.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:874883.7/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

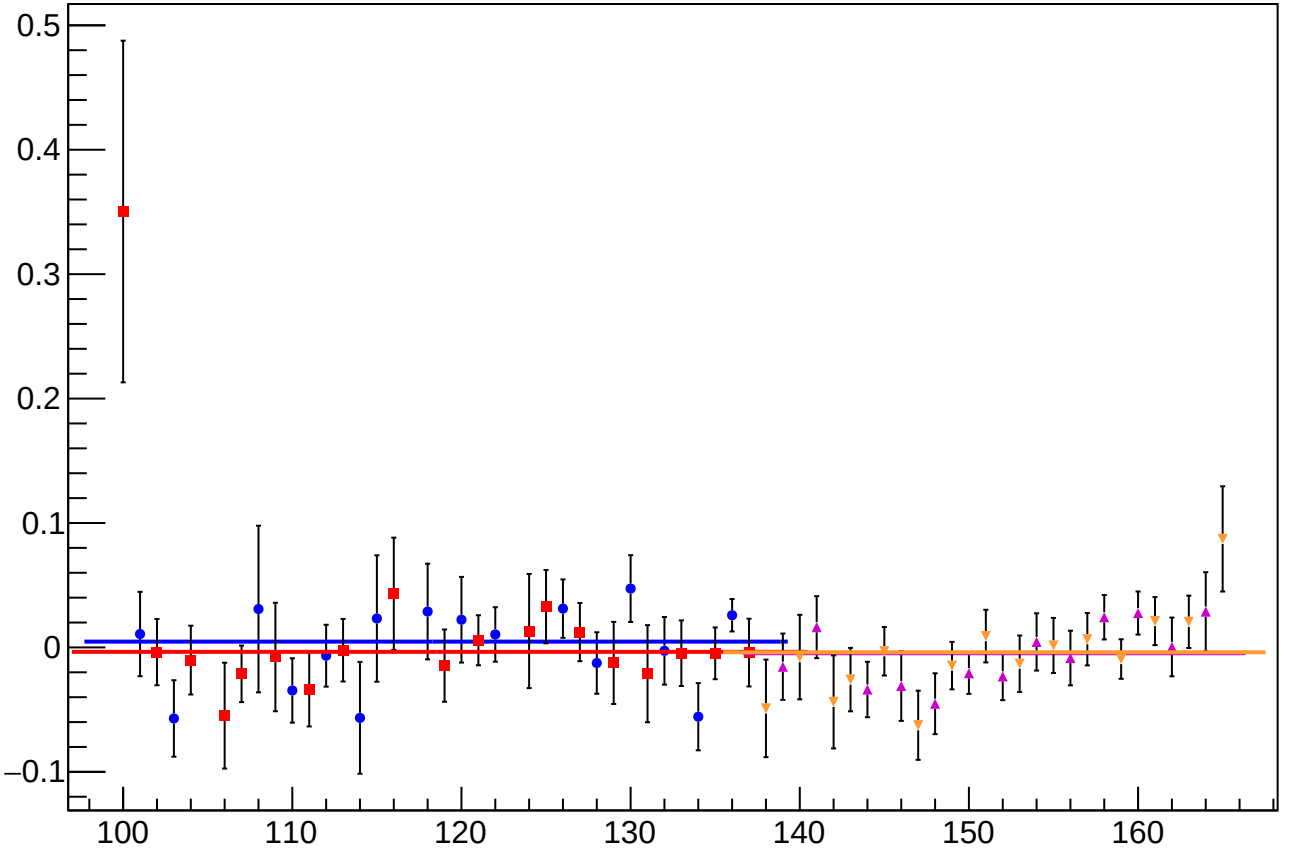
Left In: 0.000+/-0.000 χ^2/NDF:944721.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 3226542.0/30

All: 0.000+/-0.000 χ^2/NDF: 5590235.3/62

- sign 0.000+/-0.000 χ^2/NDF: 2242092.2/31

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: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

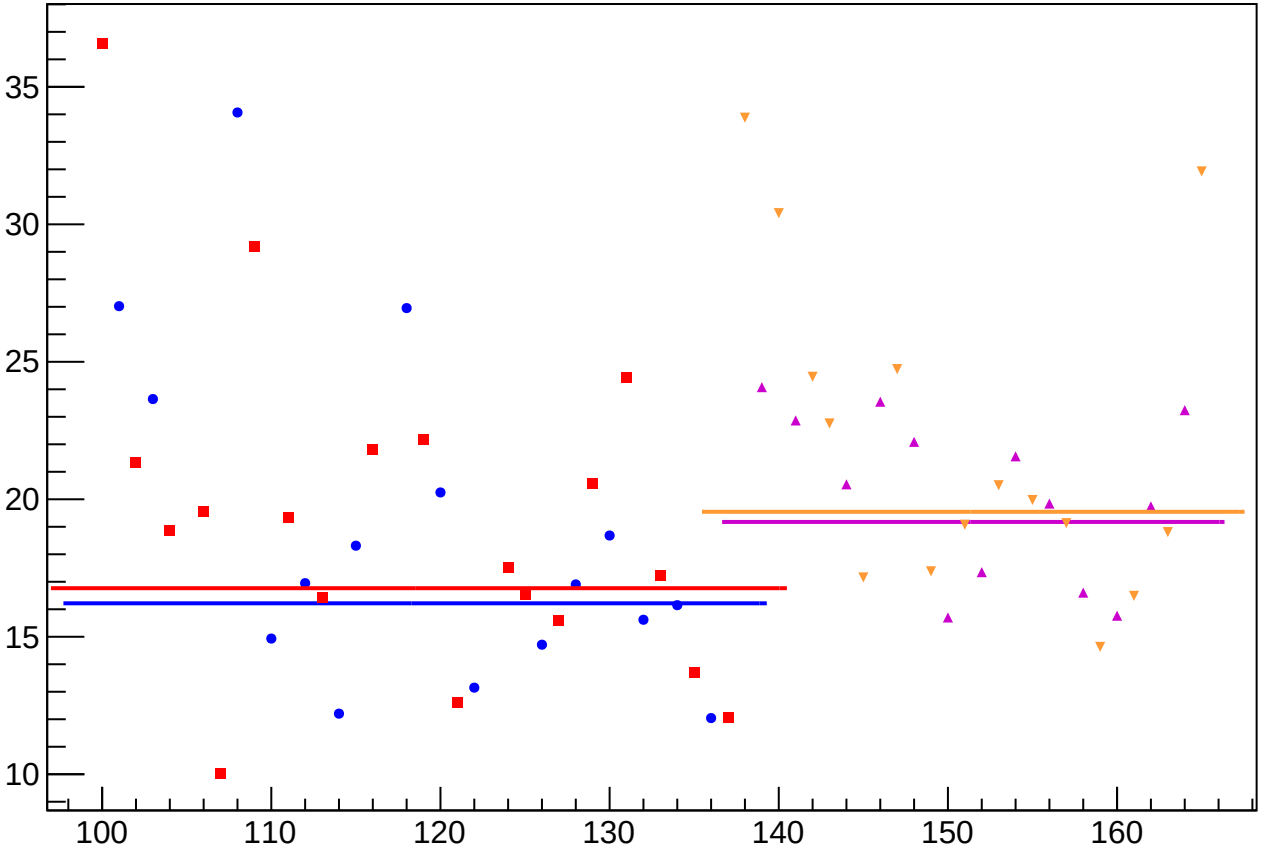
Left In: -0.005+/-0.006 χ^2/NDF:15.6/12

+ sign -0.000+/-0.004 χ^2/NDF: 39.0/30

All: -0.002+/-0.003 χ^2/NDF: 68.7/62

- sign -0.004+/-0.004 χ^2/NDF: 29.2/31

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.546+/-0.004 χ^2/NDF:1084932.4/14

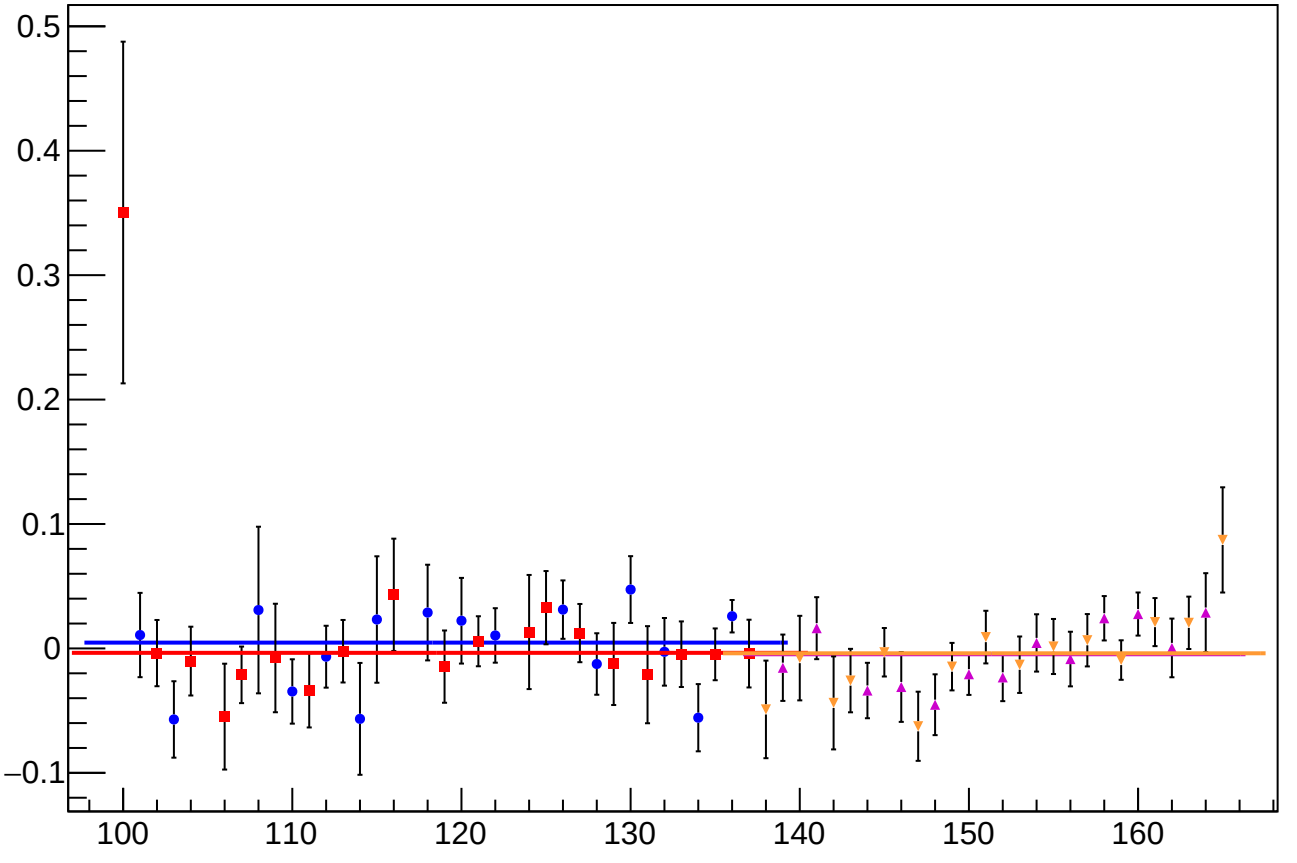
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.176+/-0.004 χ^2/NDF:478100.1/12

\+ sign 18.049+/-0.003 χ^2/NDF: 2311835.8/30

All: 18.067+/-0.002 χ^2/NDF: 3801559.3/62

\- sign 18.086+/-0.003 χ^2/NDF: 1489653.4/31



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

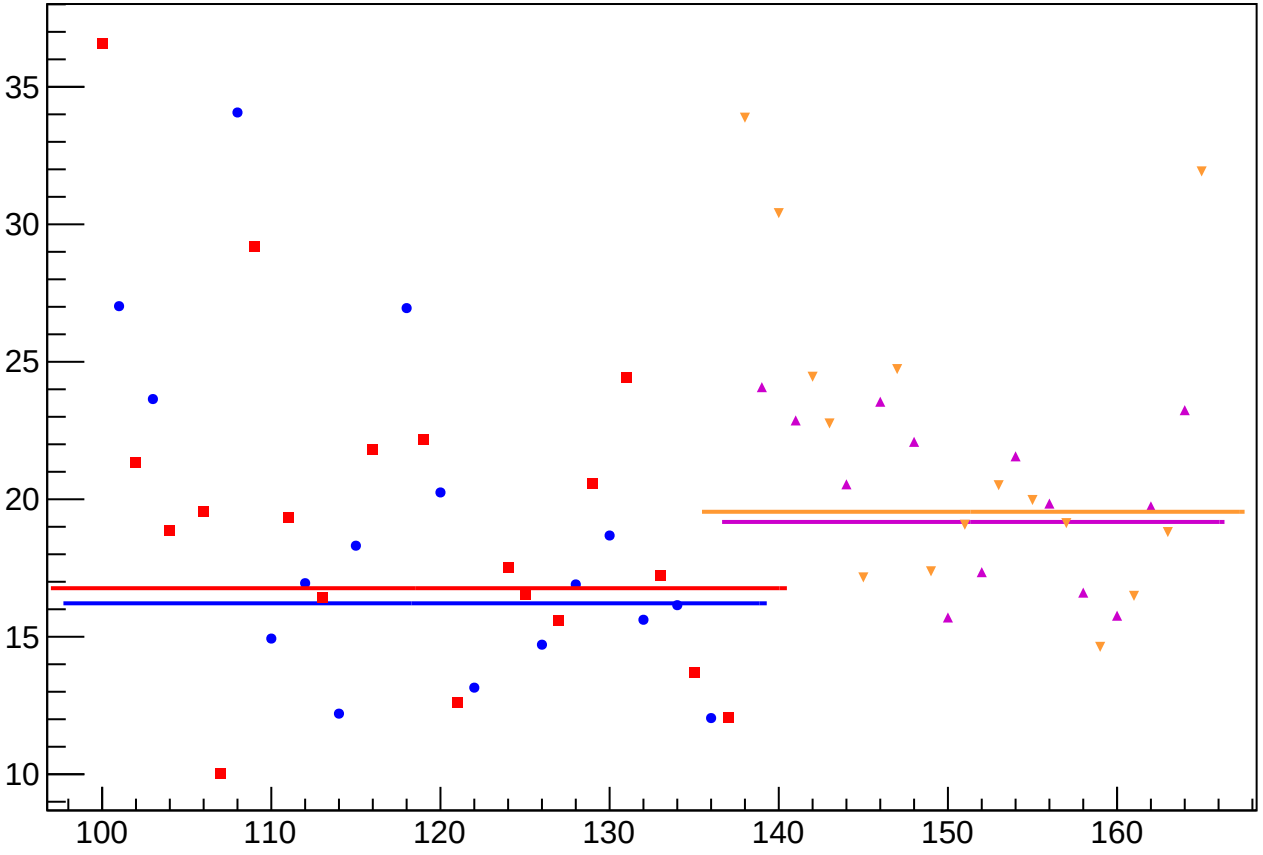
Left In: -0.005+/-0.006 χ^2/NDF:15.6/12

+ sign -0.000+/-0.004 χ^2/NDF: 39.0/30

All: -0.002+/-0.003 χ^2/NDF: 68.7/62

- sign -0.004+/-0.004 χ^2/NDF: 29.2/31

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.546+/-0.004 χ^2/NDF:1084932.4/14

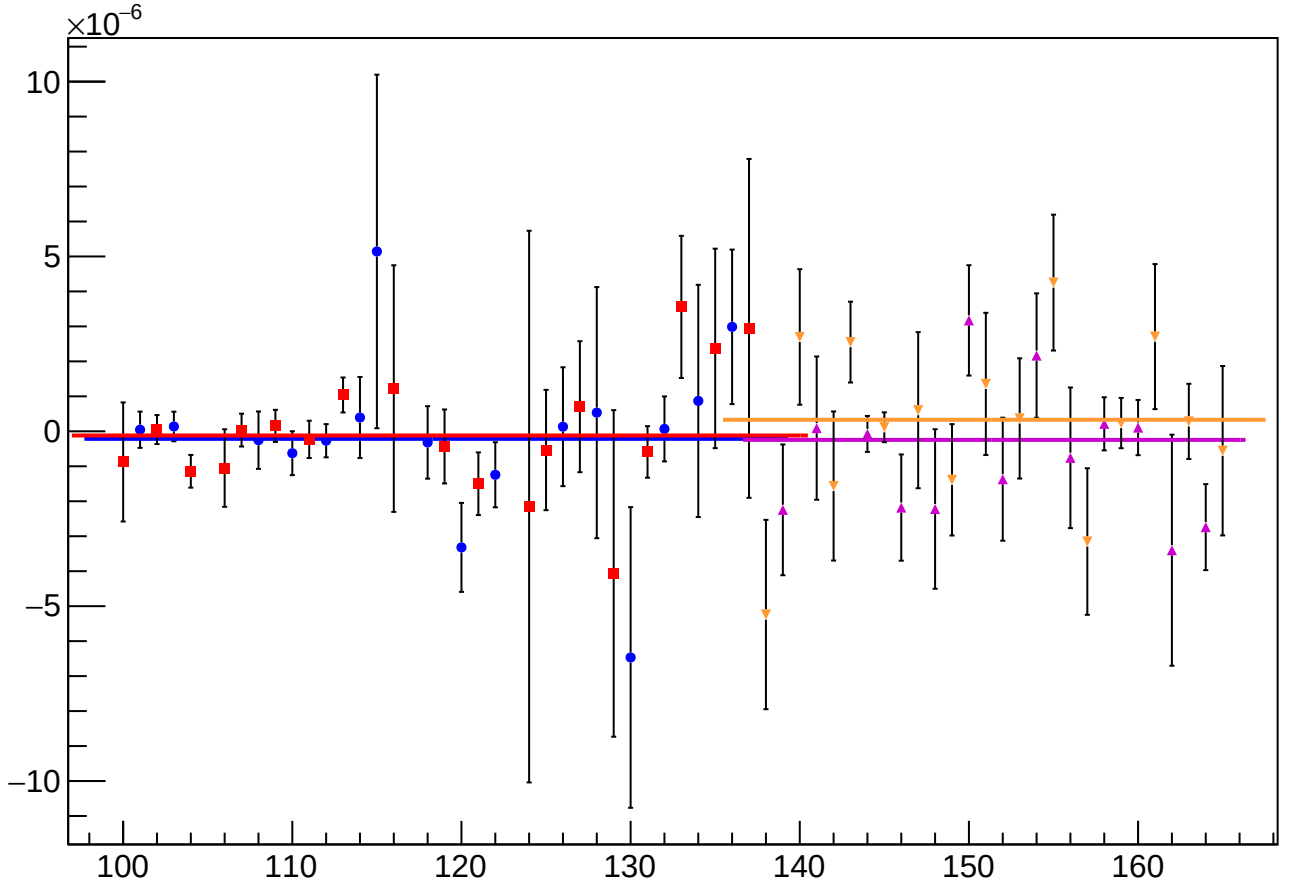
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.176+/-0.004 χ^2/NDF:478100.1/12

+ sign 18.049+/-0.003 χ^2/NDF: 2311835.8/30

All: 18.067+/-0.002 χ^2/NDF: 3801559.3/62

- sign 18.086+/-0.003 χ^2/NDF: 1489653.4/31



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/14

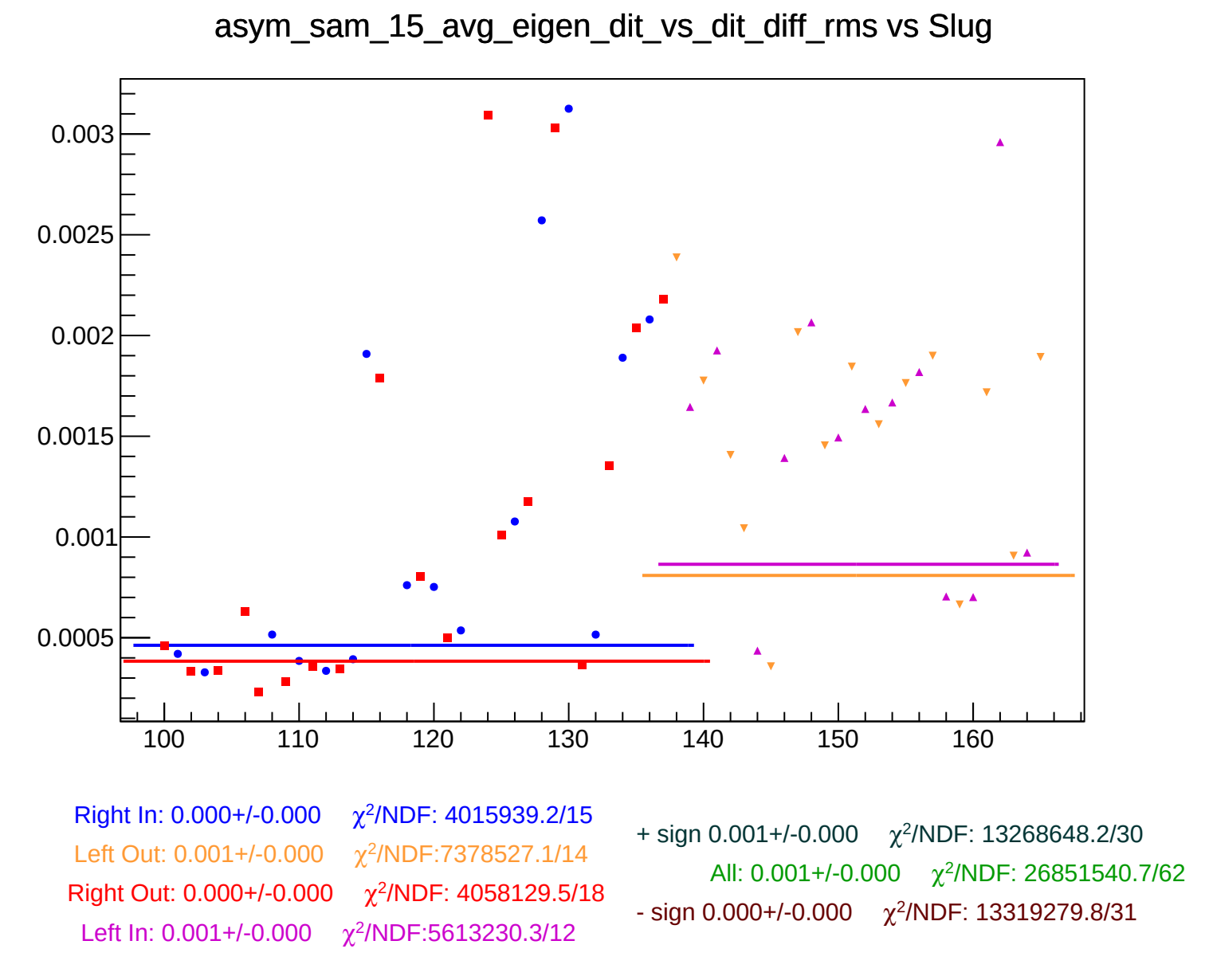
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/12

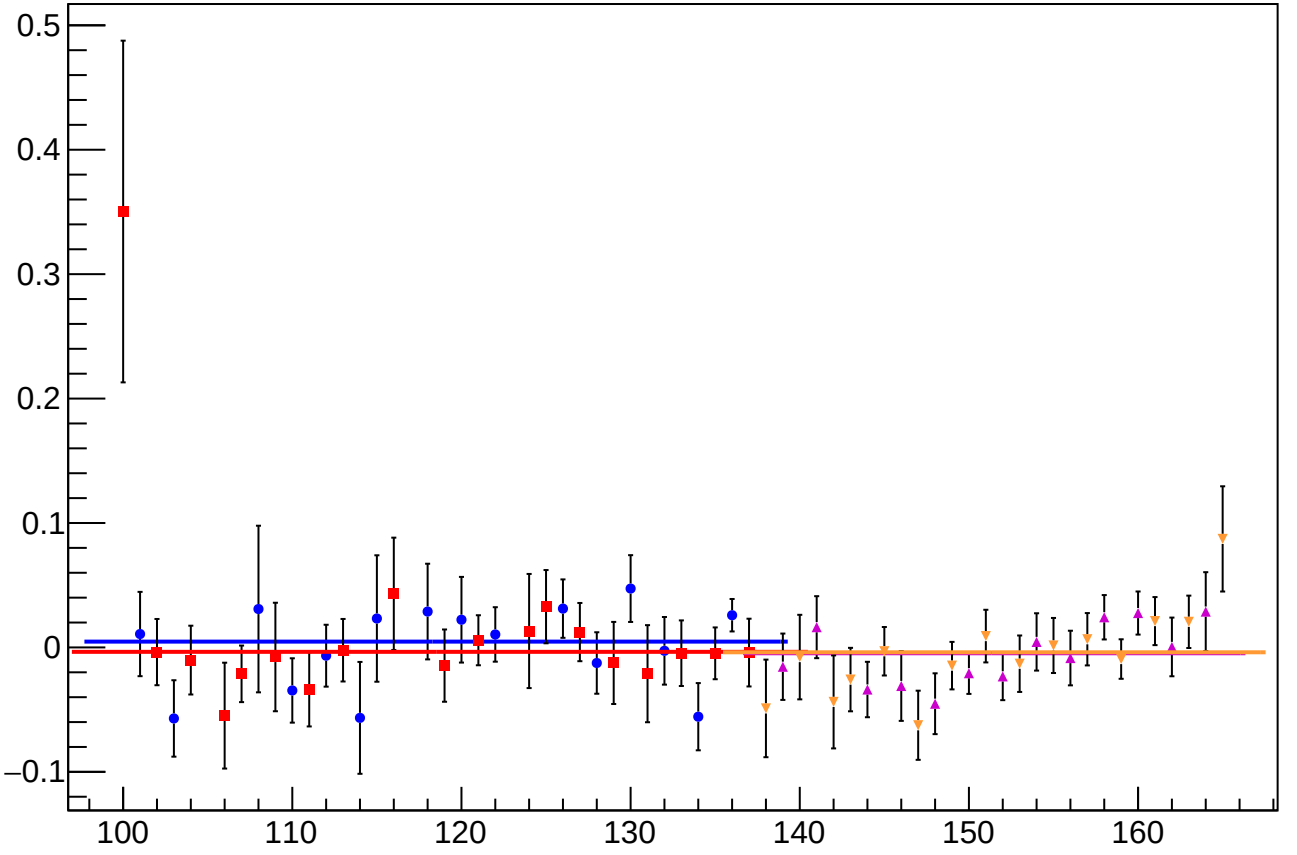
+ sign -0.000+/-0.000 χ^2/NDF: 37.0/30

All: -0.000+/-0.000 χ^2/NDF: 73.9/62

- sign -0.000+/-0.000 χ^2/NDF: 36.6/31


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:7378527.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:5613230.3/12
+ sign 0.001+/-0.000 χ²/NDF: 13268648.2/30
All: 0.001+/-0.000 χ²/NDF: 26851540.7/62
- sign 0.000+/-0.000 χ²/NDF: 13319279.8/31

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: -0.004+/-0.006 χ^2/NDF:16.6/14

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

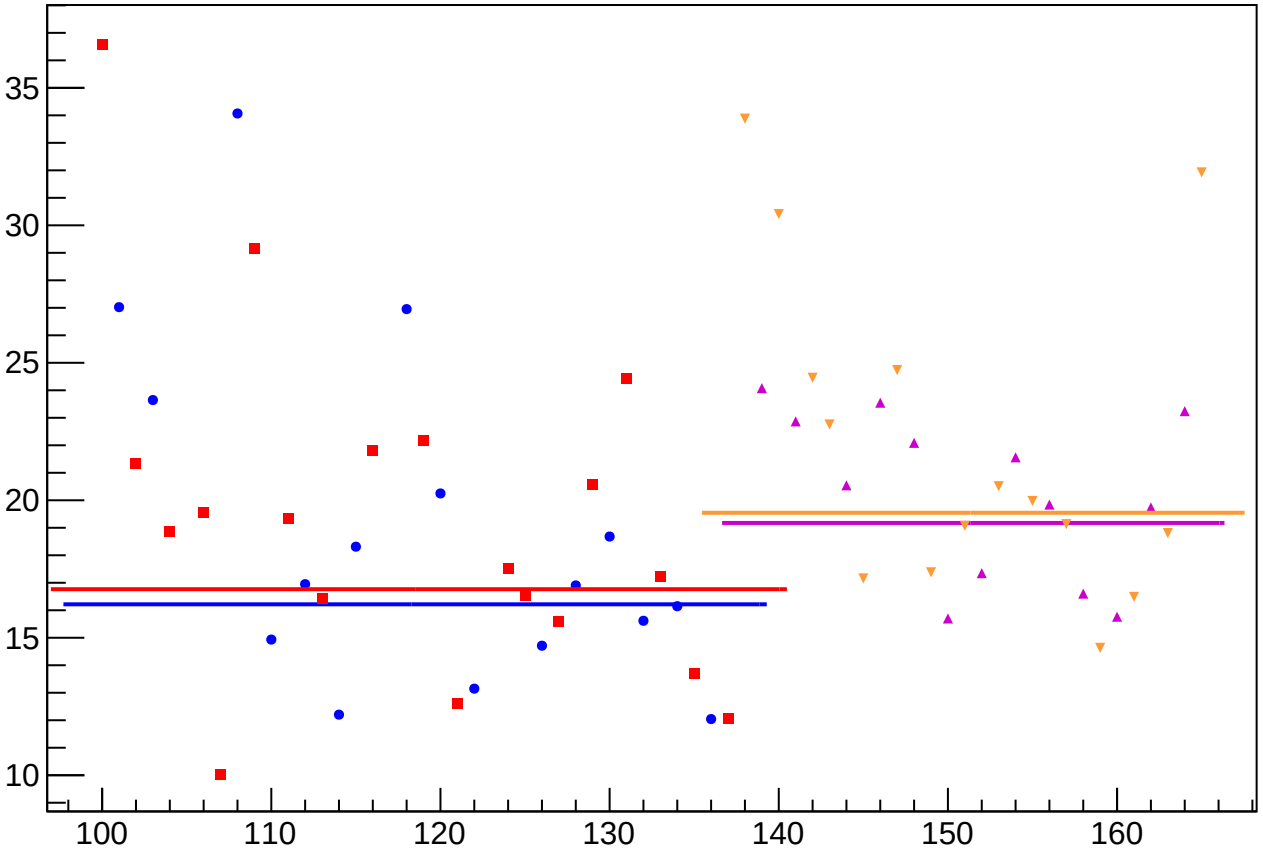
Left In: -0.005+/-0.006 χ^2/NDF:15.6/12

+ sign -0.000+/-0.004 χ^2/NDF: 39.0/30

All: -0.002+/-0.003 χ^2/NDF: 68.7/62

- sign -0.004+/-0.004 χ^2/NDF: 29.2/31

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: 19.546+/-0.004 χ^2/NDF:1085057.8/14

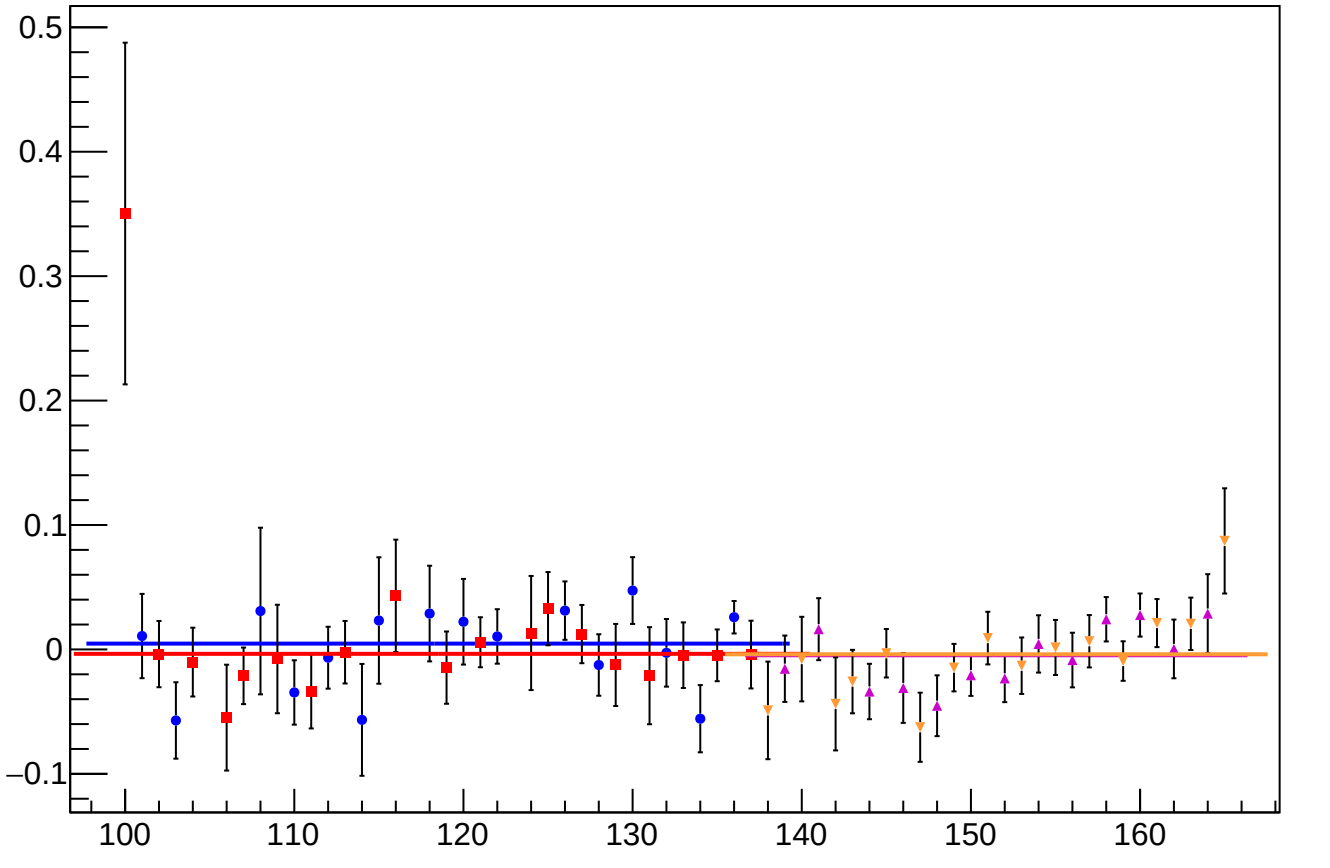
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.176+/-0.004 χ^2/NDF:478198.4/12

+ sign 18.049+/-0.003 χ^2/NDF: 2311960.5/30

All: 18.067+/-0.002 χ^2/NDF: 3801788.9/62

- sign 18.086+/-0.003 χ^2/NDF: 1489758.6/31



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.004+/-0.006 χ^2/NDF:16.6/14

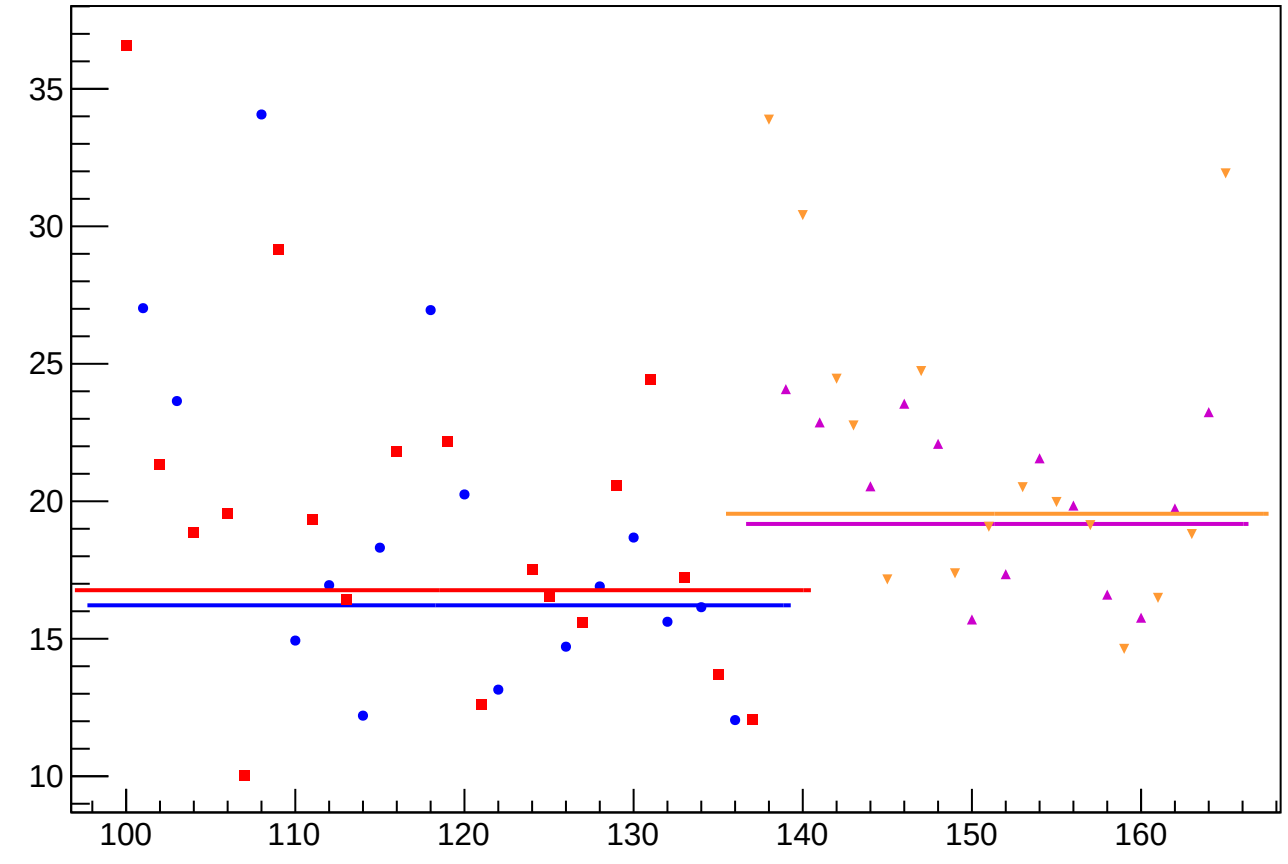
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.005+/-0.006 χ^2/NDF:15.6/12

+ sign -0.000+/-0.004 χ^2/NDF: 39.0/30

All: -0.002+/-0.003 χ^2/NDF: 68.7/62

- sign -0.004+/-0.004 χ^2/NDF: 29.2/31



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.546+/-0.004 χ^2/NDF:1085057.8/14

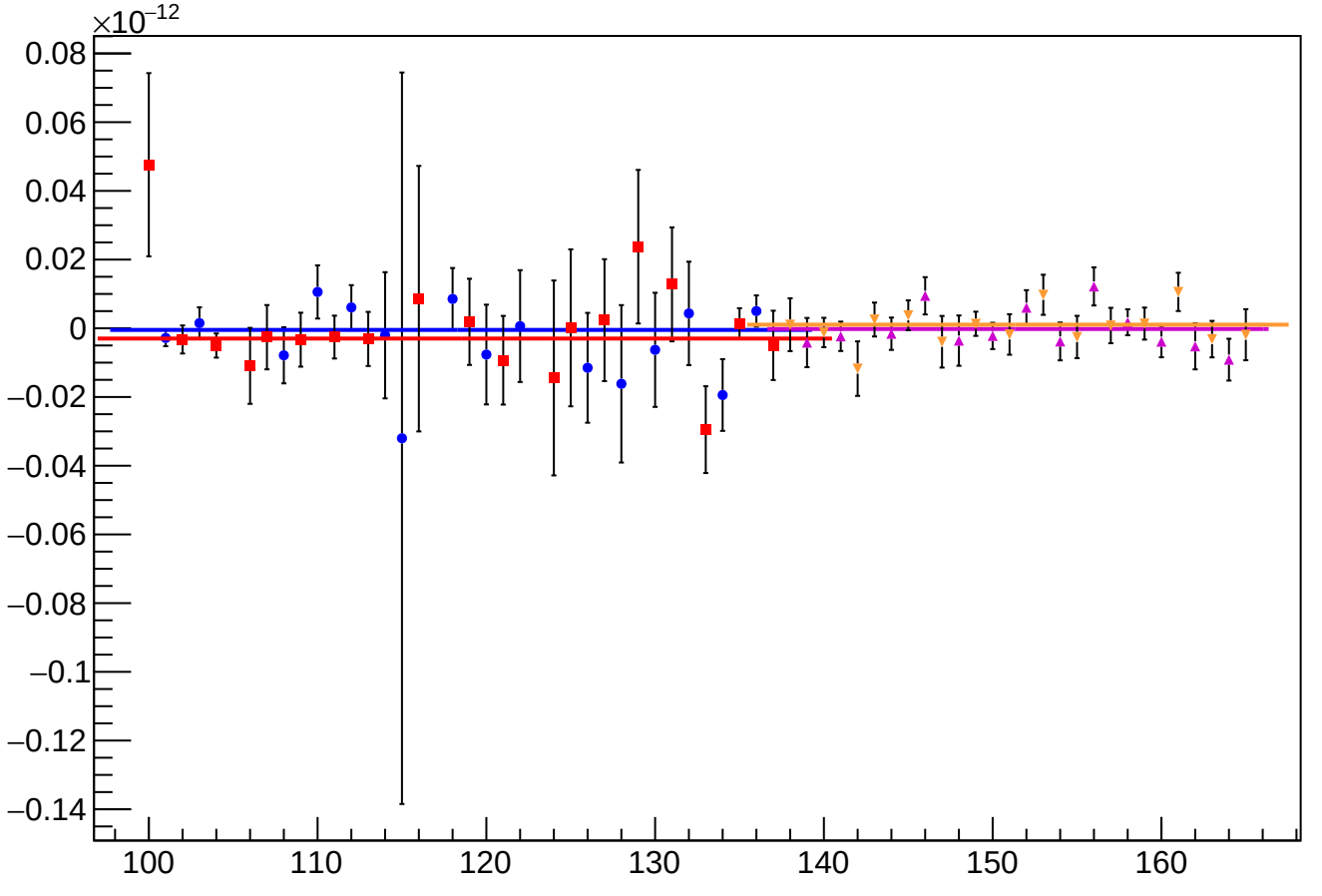
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.176+/-0.004 χ^2/NDF:478198.4/12

+ sign 18.049+/-0.003 χ^2/NDF: 2311960.5/30

All: 18.067+/-0.002 χ^2/NDF: 3801788.9/62

- sign 18.086+/-0.003 χ^2/NDF: 1489758.6/31



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/14

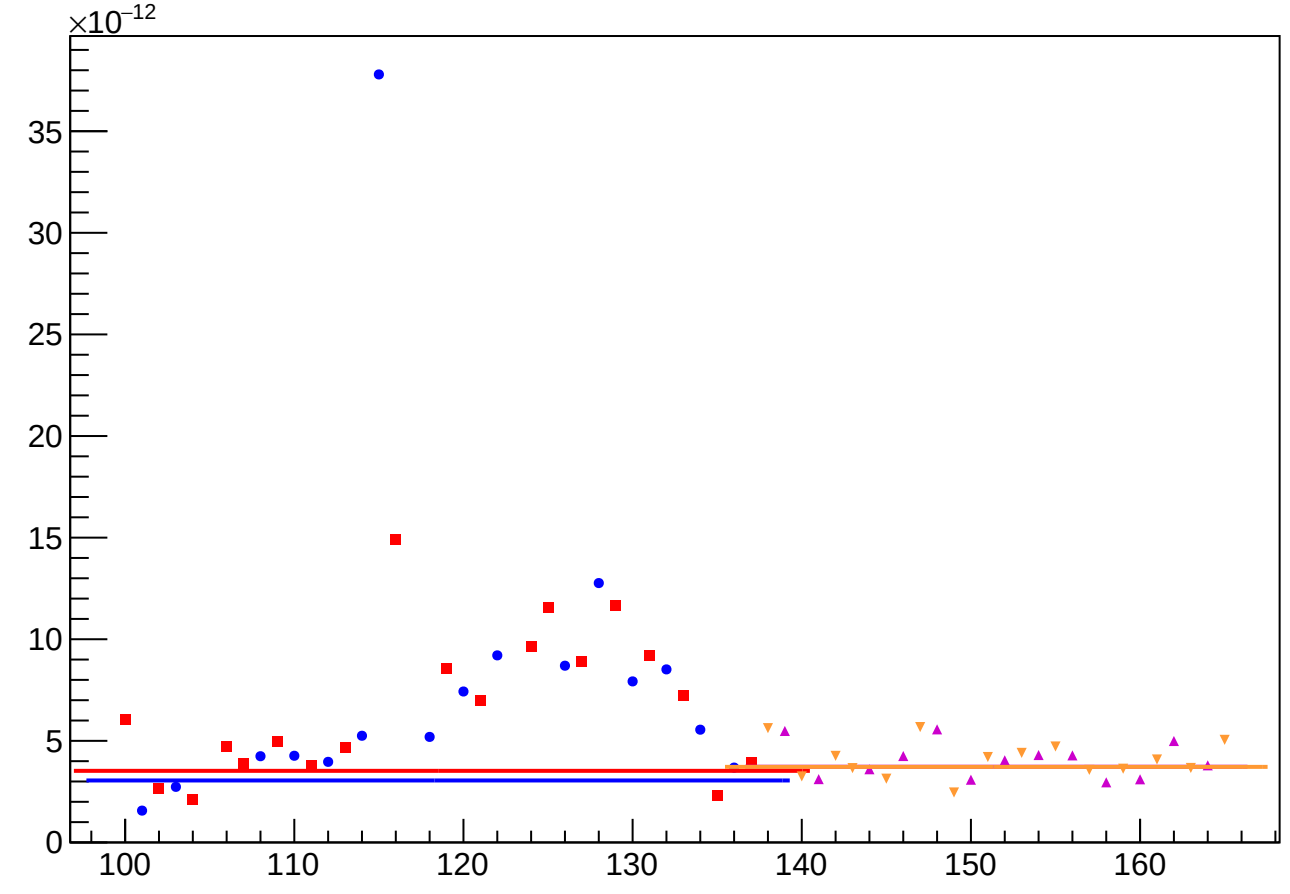
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/30

All: -0.000+/-0.000 χ^2/NDF: 53.7/62

- sign -0.000+/-0.000 χ^2/NDF: 29.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:753886.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

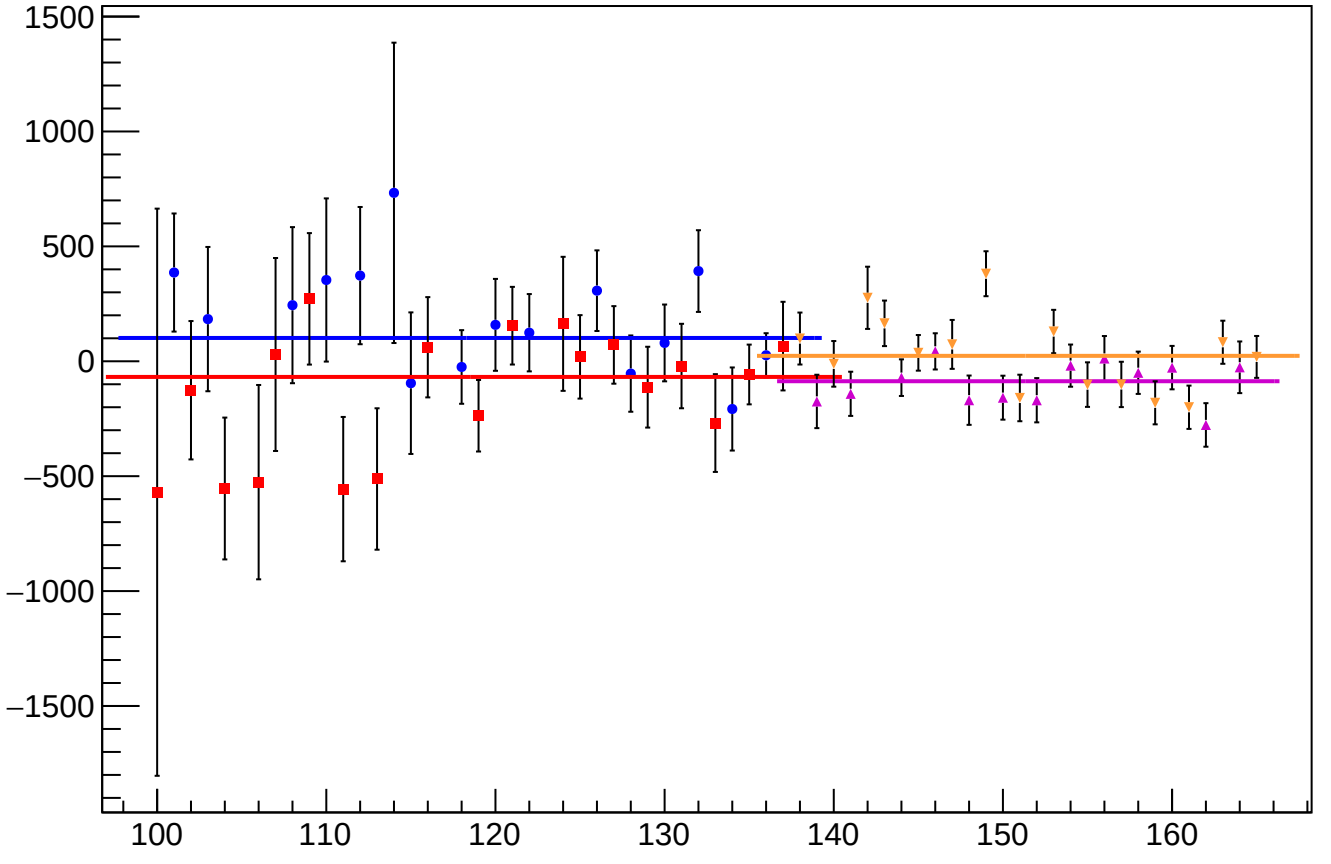
Left In: 0.000+/-0.000 χ^2/NDF:604185.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 3887685.5/30

All: 0.000+/-0.000 χ^2/NDF: 7103176.7/62

- sign 0.000+/-0.000 χ^2/NDF: 3179051.9/31

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 23.629+/-25.197 χ^2/NDF:38.3/14

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

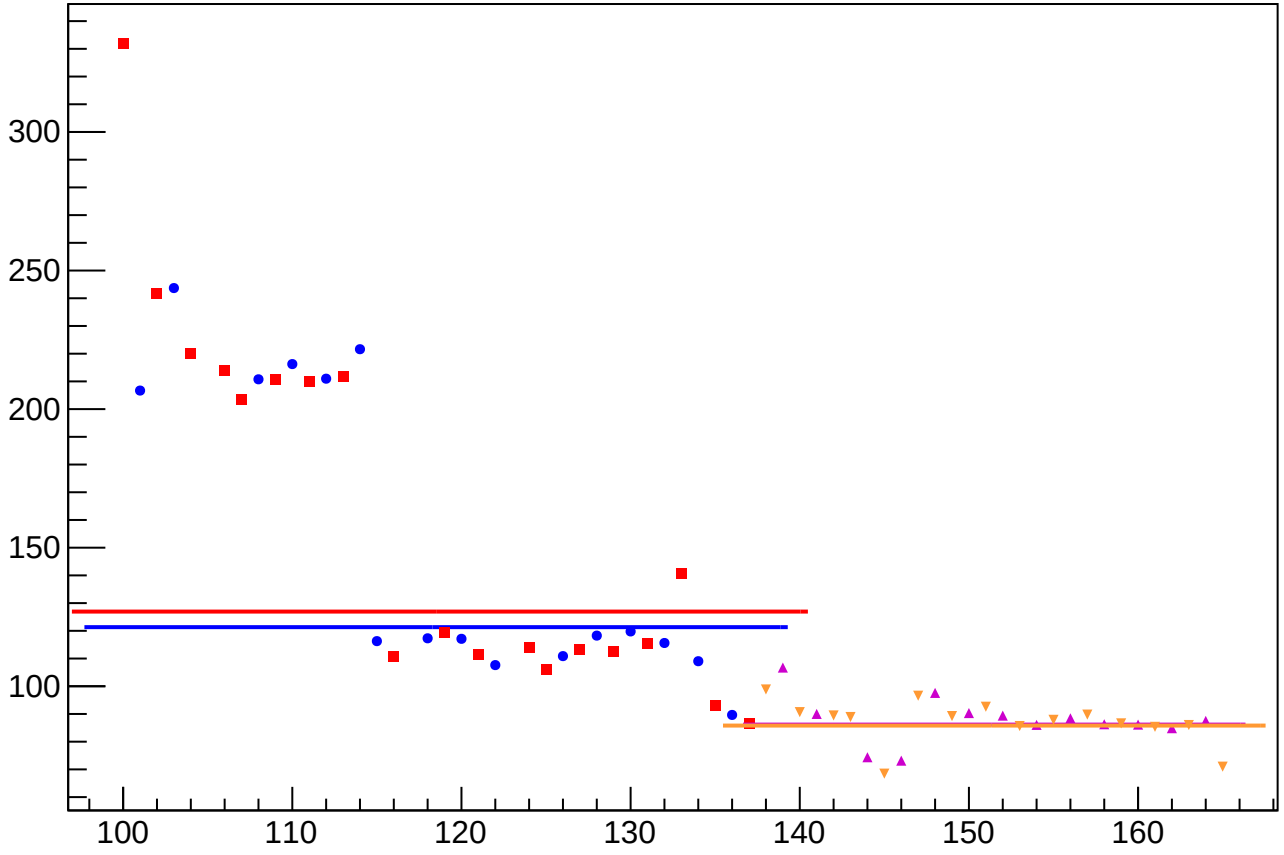
Left In: -86.832+/-26.273 χ^2/NDF:12.0/12

+ sign 40.647+/-22.272 χ^2/NDF: 53.7/30

All: -18.538+/-16.063 χ^2/NDF: 96.7/62

- sign -82.694+/-23.189 χ^2/NDF: 28.2/31

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 85.813+/-0.018 χ^2/NDF:224056.9/14

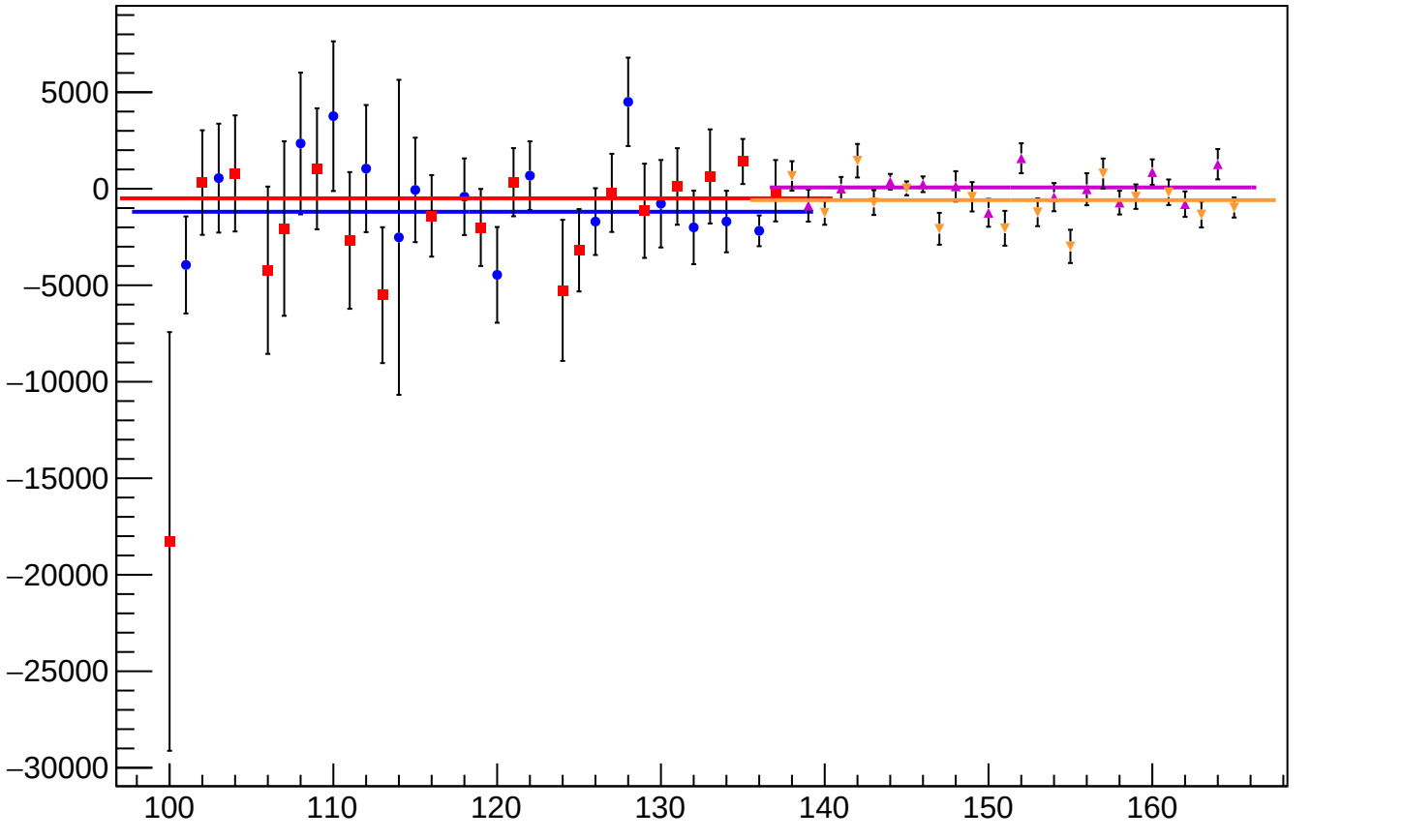
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

+ sign 93.578+/-0.016 χ^2/NDF: 2379395.1/30

All: 94.344+/-0.011 χ^2/NDF: 5115675.8/62

- sign 95.174+/-0.016 χ^2/NDF: 2731354.3/31



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -588.825+/-167.444 χ^2/NDF:31.9/14

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

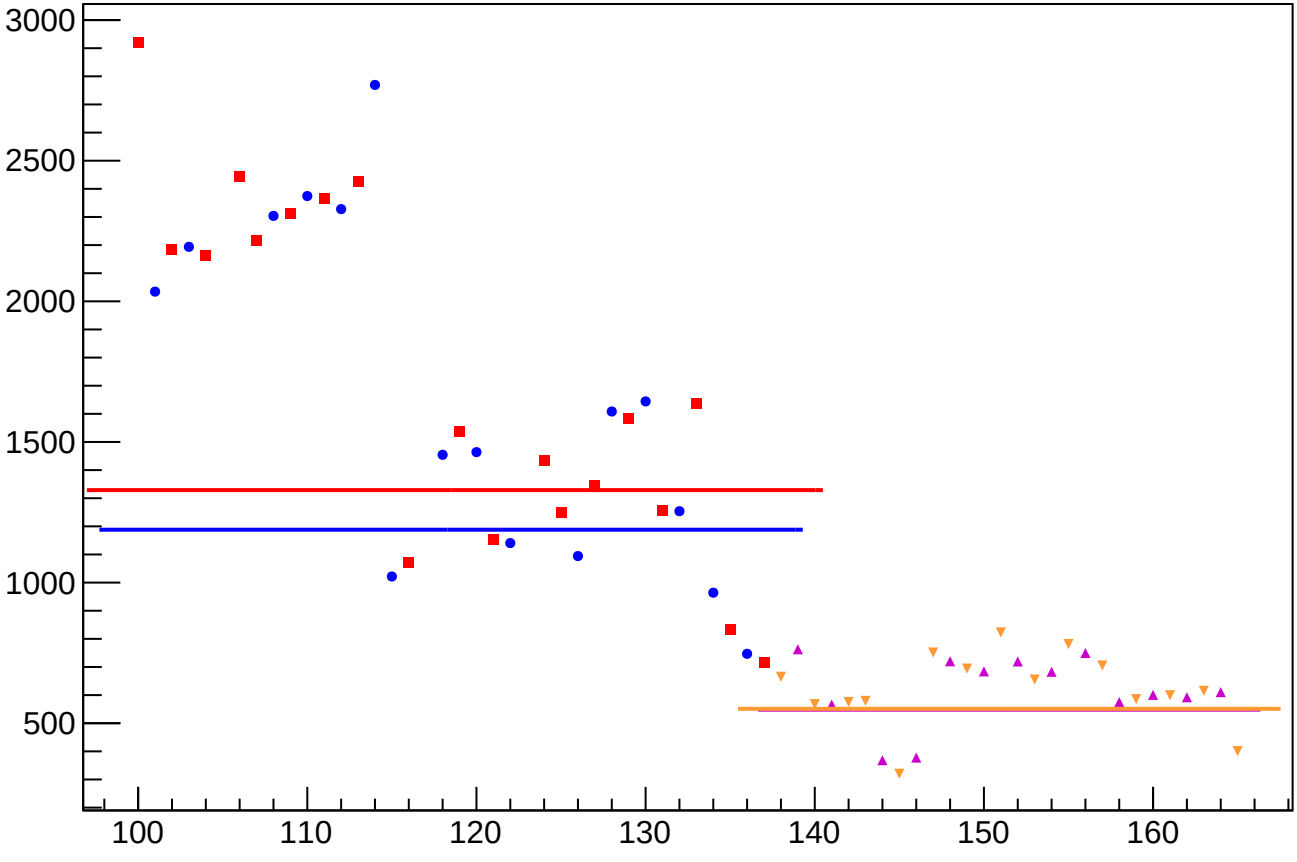
Left In: 68.136+/-172.296 χ^2/NDF:16.7/12

+ sign -654.547+/-158.061 χ^2/NDF: 49.2/30

All: -332.373+/-113.676 χ^2/NDF: 89.5/62

- sign 12.802+/-163.606 χ^2/NDF: 31.6/31

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 551.232+/-0.118 χ^2/NDF:1697324.0/14

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

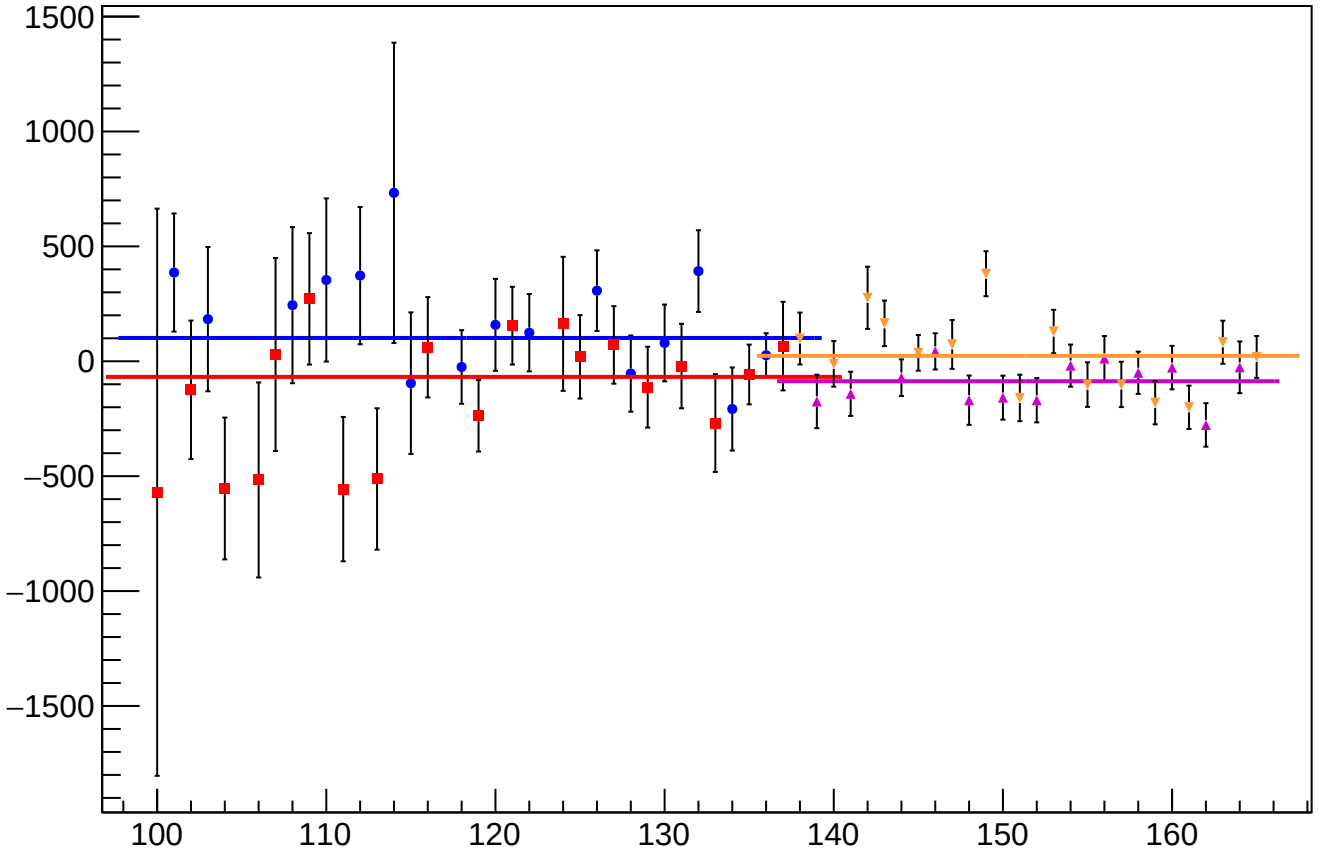
Left In: 548.177+/-0.122 χ^2/NDF:1367961.2/12

+ sign 620.602+/-0.112 χ^2/NDF: 6893301.0/30

All: 622.693+/-0.080 χ^2/NDF: 14256632.4/62

- sign 624.934+/-0.116 χ^2/NDF: 7362606.3/31

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 23.631+/-25.197 χ^2/NDF:38.3/14

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

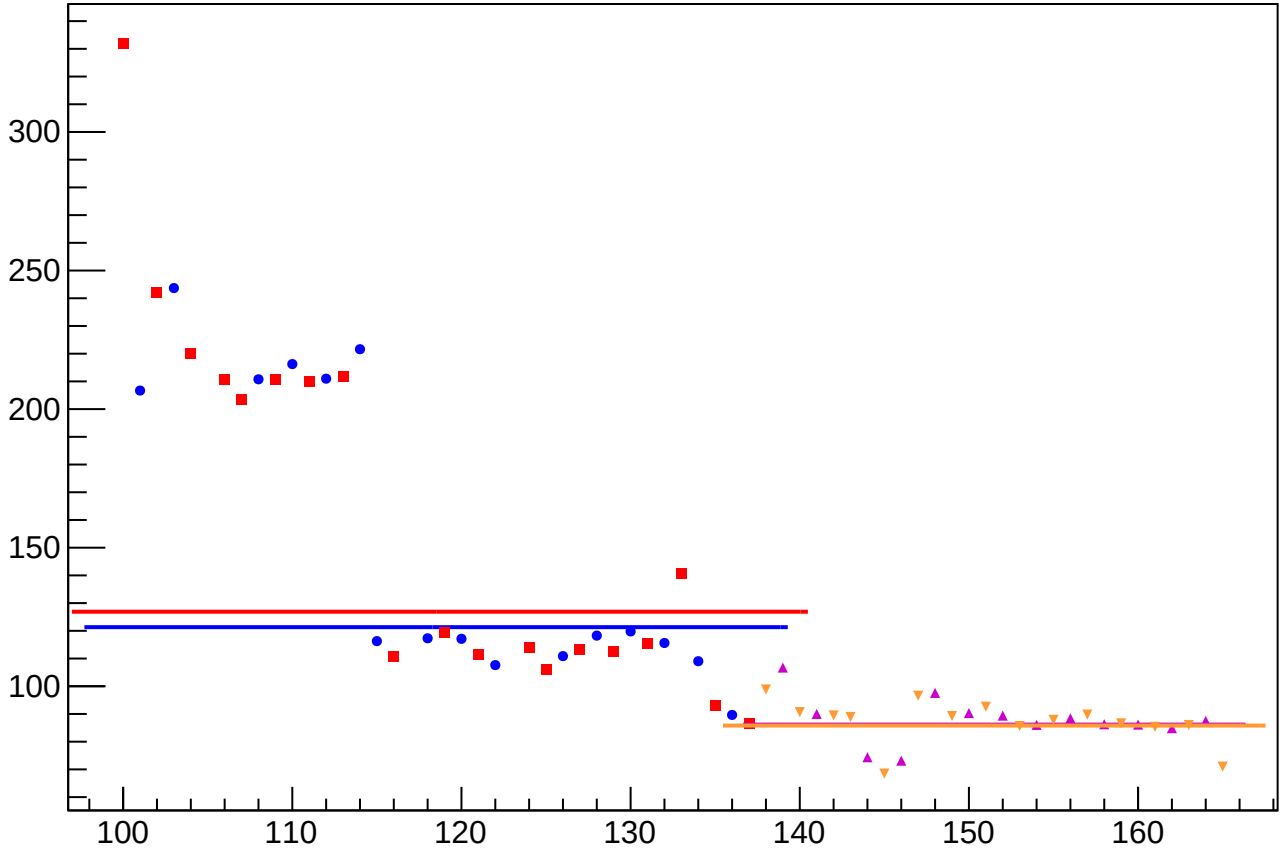
Left In: -86.832+/-26.273 χ^2/NDF:12.0/12

+ sign 40.646+/-22.272 χ^2/NDF: 53.7/30

All: -18.514+/-16.063 χ^2/NDF: 96.6/62

- sign -82.644+/-23.189 χ^2/NDF: 28.2/31

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.813+/-0.018 χ^2/NDF:224056.9/14

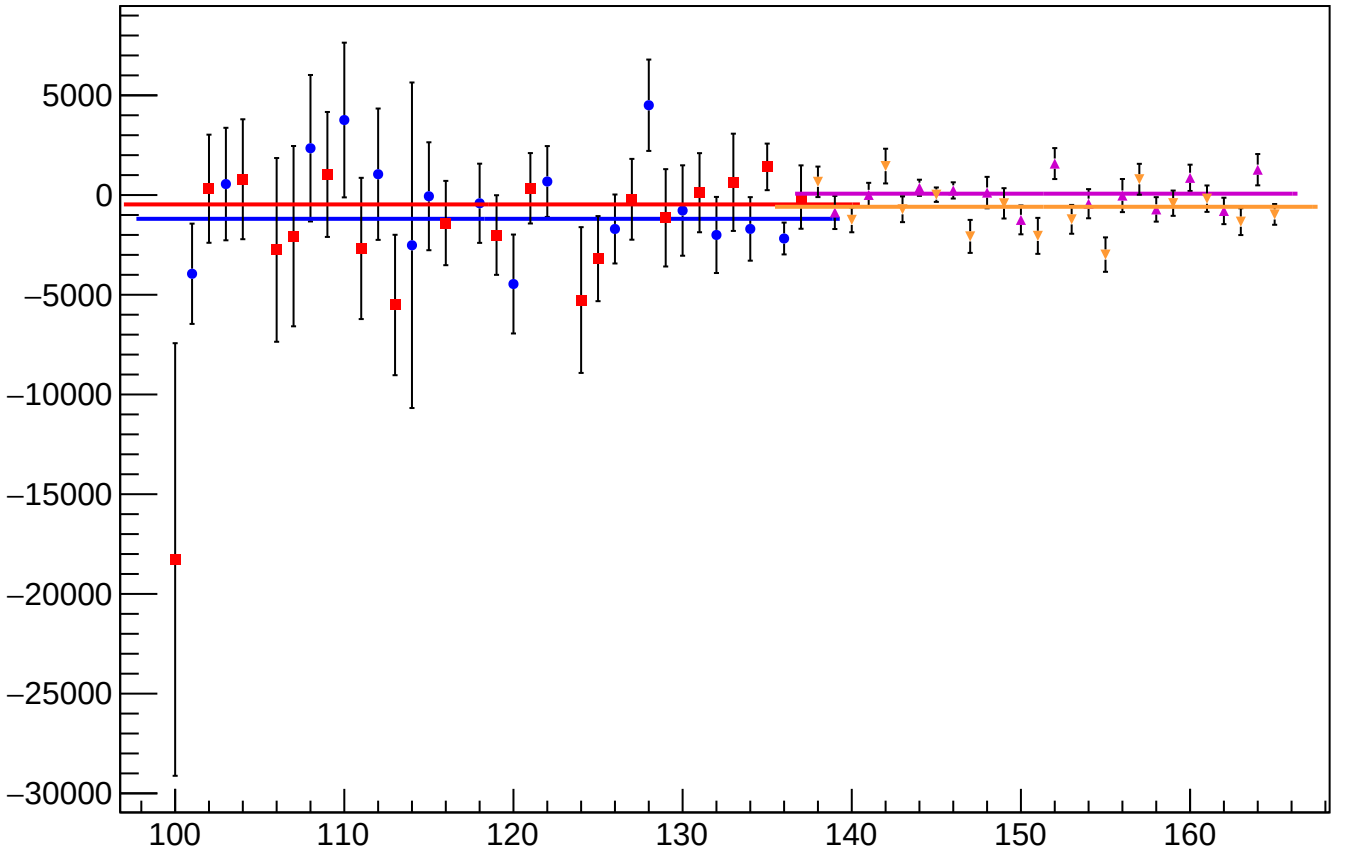
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

+ sign 93.578+/-0.016 χ^2/NDF: 2379397.3/30

All: 94.338+/-0.011 χ^2/NDF: 5106777.1/62

- sign 95.162+/-0.016 χ^2/NDF: 2722526.8/31



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -588.819+/-167.444 χ^2/NDF:31.9/14

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

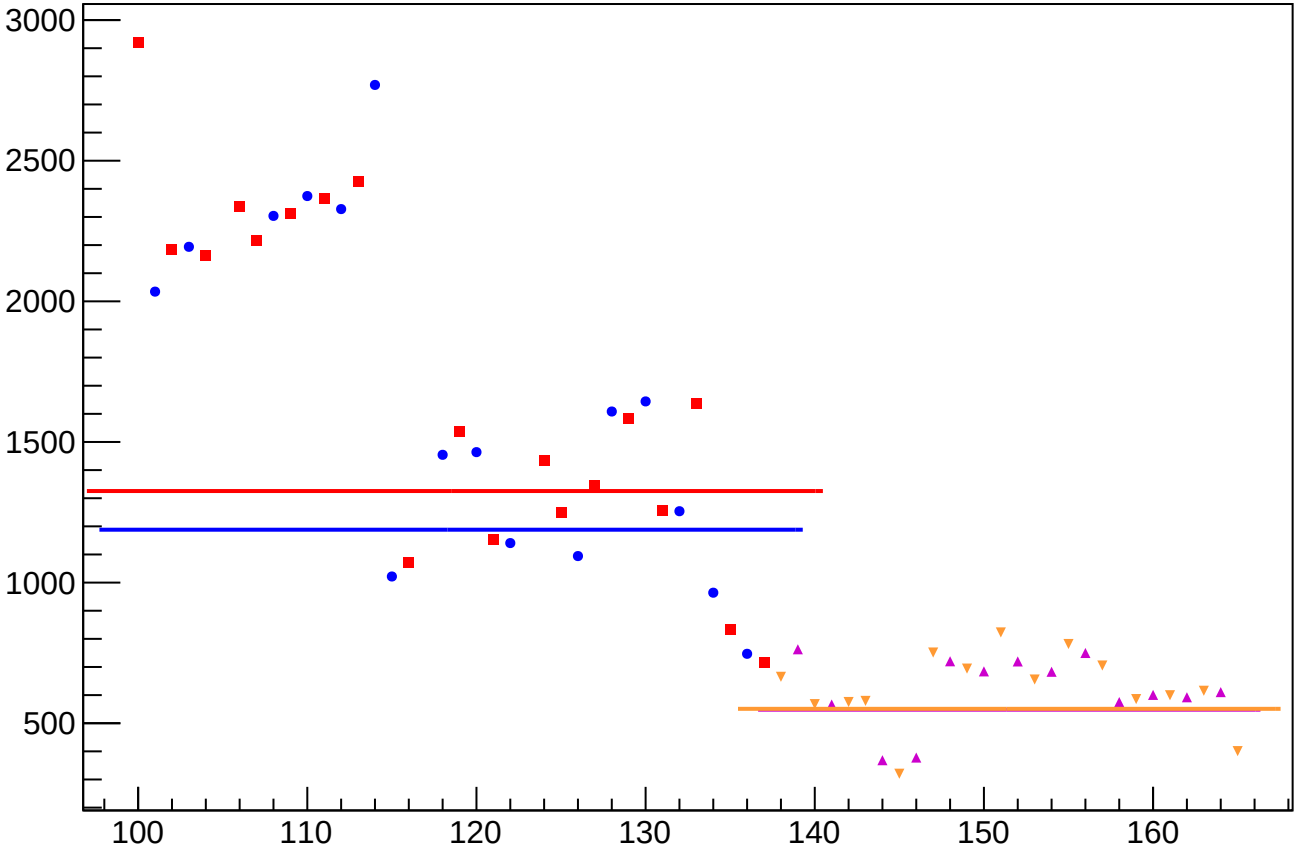
Left In: 68.132+/-172.296 χ^2/NDF:16.7/12

+ sign -654.539+/-158.061 χ^2/NDF: 49.2/30

All: -331.178+/-113.681 χ^2/NDF: 89.0/62

- sign 15.328+/-163.620 χ^2/NDF: 31.1/31

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 551.231+/-0.118 χ^2/NDF:1697333.6/14

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

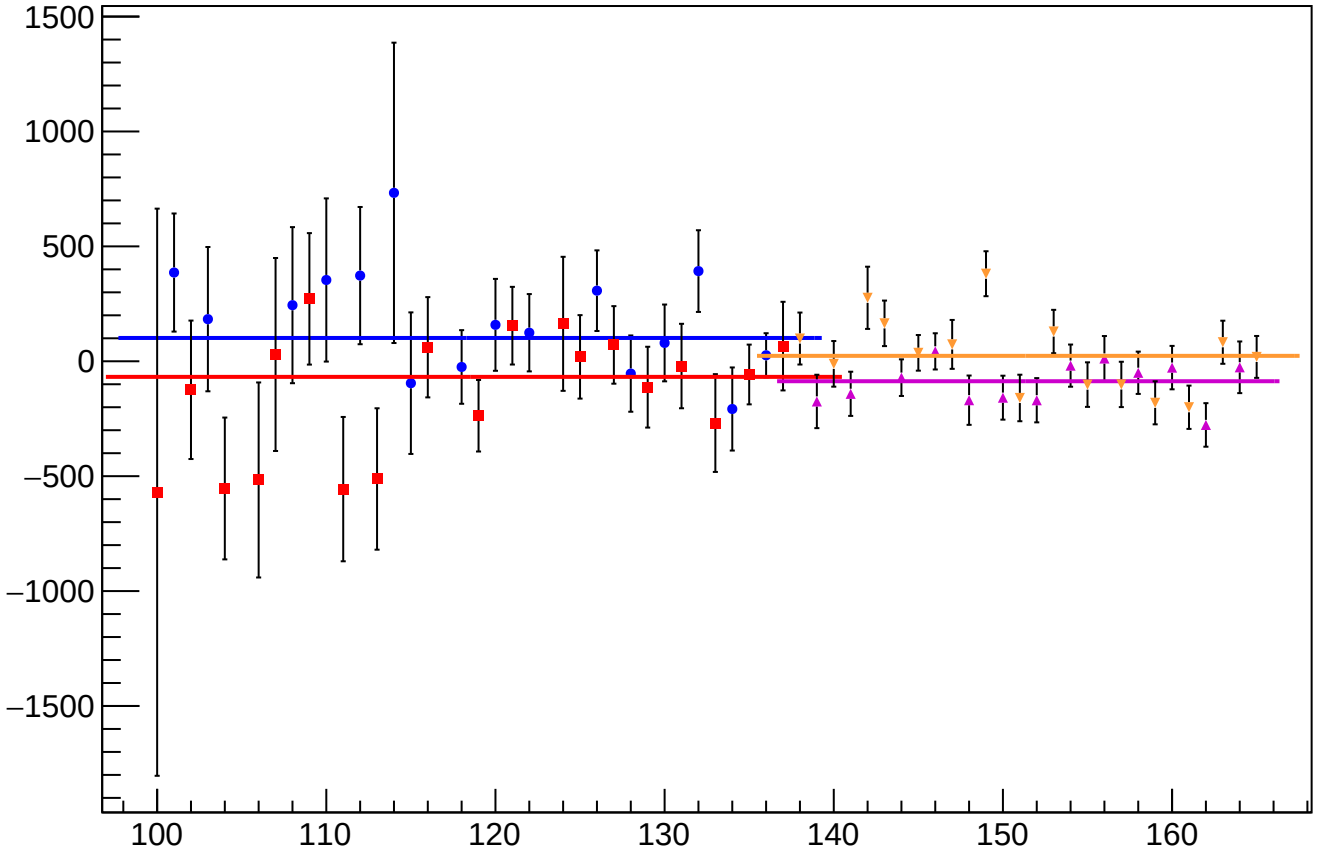
Left In: 548.177+/-0.122 χ^2/NDF:1367963.6/12

+ sign 620.602+/-0.112 χ^2/NDF: 6893336.4/30

All: 622.481+/-0.080 χ^2/NDF: 14180007.2/62

- sign 624.496+/-0.116 χ^2/NDF: 7286084.8/31

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 23.631+/-25.197 χ^2/NDF:38.3/14

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

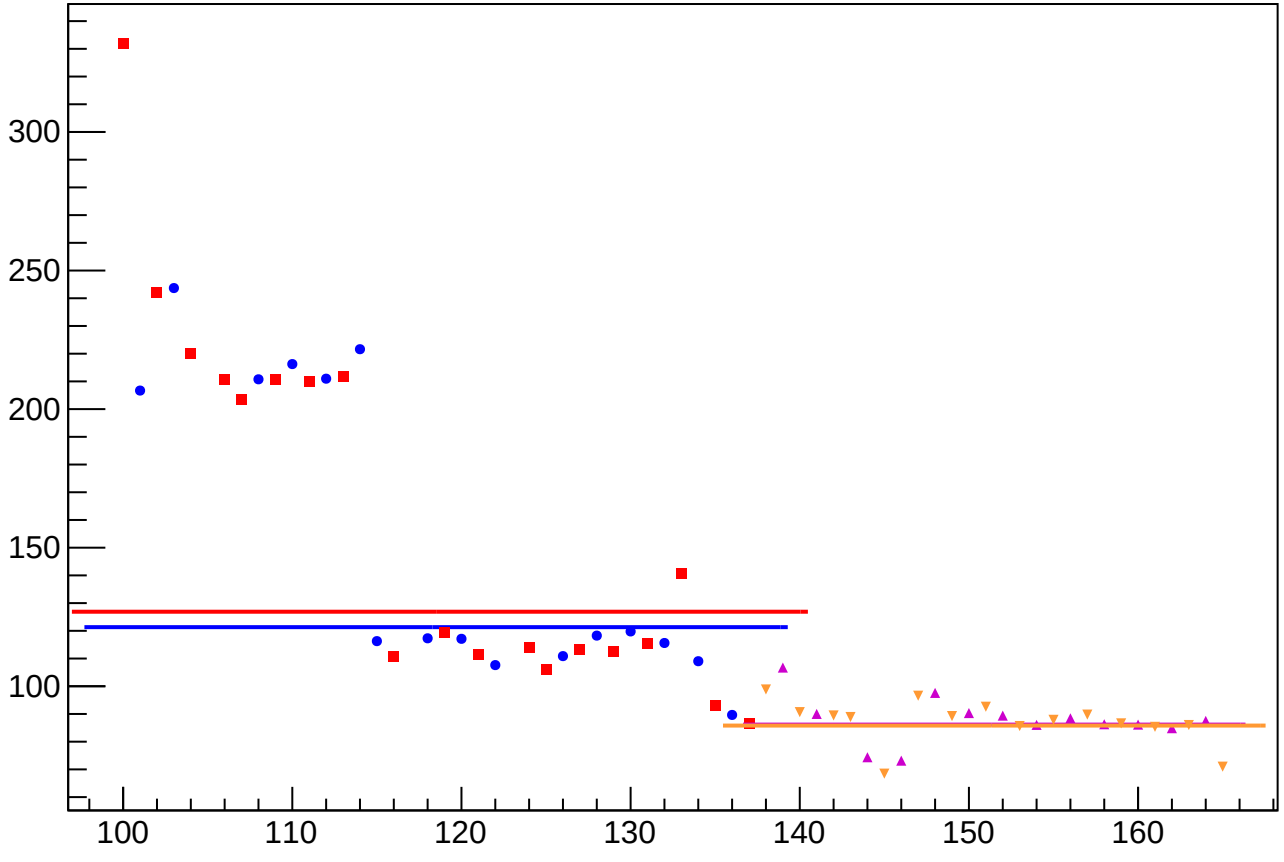
Left In: -86.832+/-26.273 χ^2/NDF:12.0/12

+ sign 40.646+/-22.272 χ^2/NDF: 53.7/30

All: -18.514+/-16.063 χ^2/NDF: 96.6/62

- sign -82.644+/-23.189 χ^2/NDF: 28.2/31

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.813+/-0.018 χ^2/NDF:224056.9/14

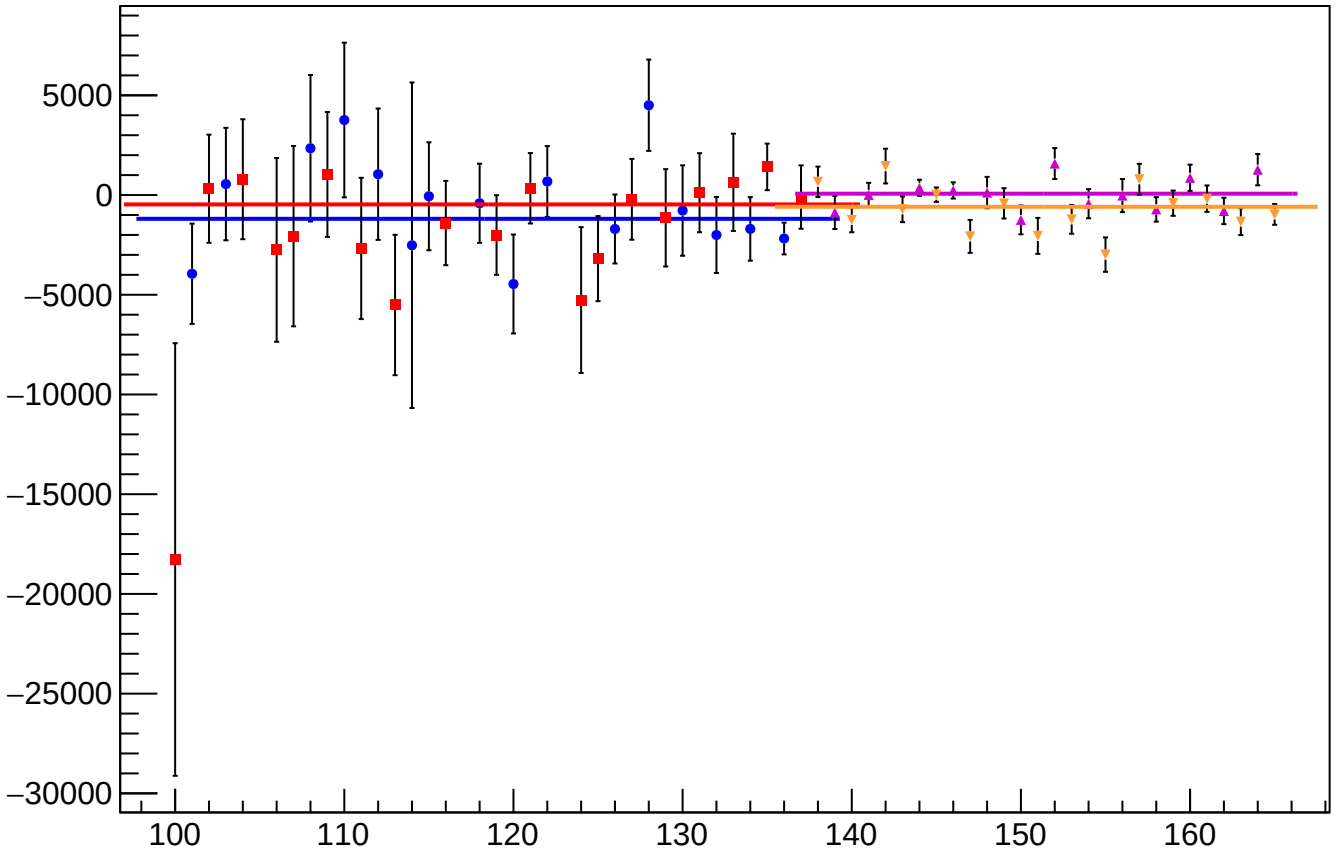
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

\+ sign 93.578+/-0.016 χ^2/NDF: 2379397.3/30

All: 94.338+/-0.011 χ^2/NDF: 5106777.1/62

\- sign 95.162+/-0.016 χ^2/NDF: 2722526.8/31



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -588.819+/-167.444 χ^2/NDF:31.9/14

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

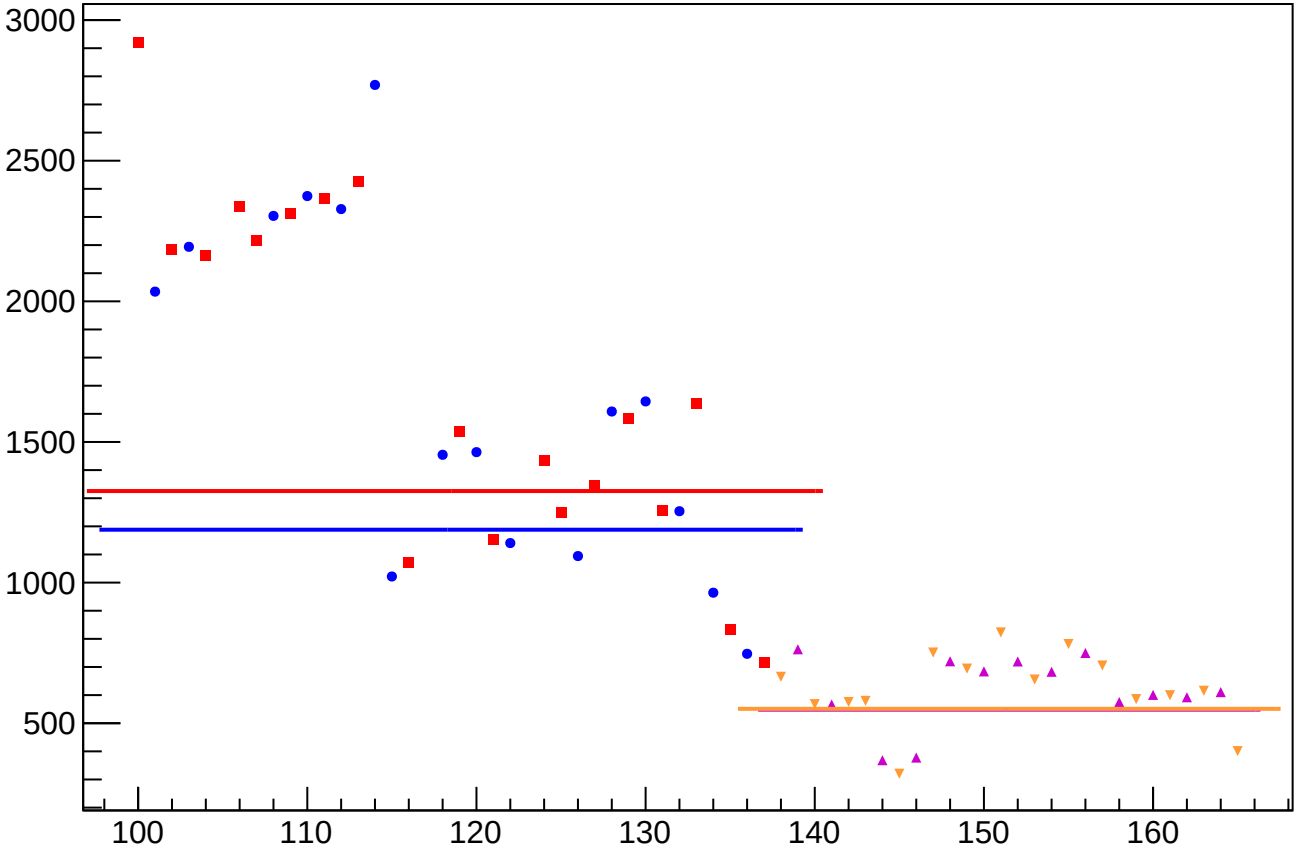
Left In: 68.132+/-172.296 χ^2/NDF:16.7/12

+ sign -654.539+/-158.061 χ^2/NDF: 49.2/30

All: -331.178+/-113.681 χ^2/NDF: 89.0/62

- sign 15.328+/-163.620 χ^2/NDF: 31.1/31

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 551.231+/-0.118 χ^2/NDF:1697333.6/14

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

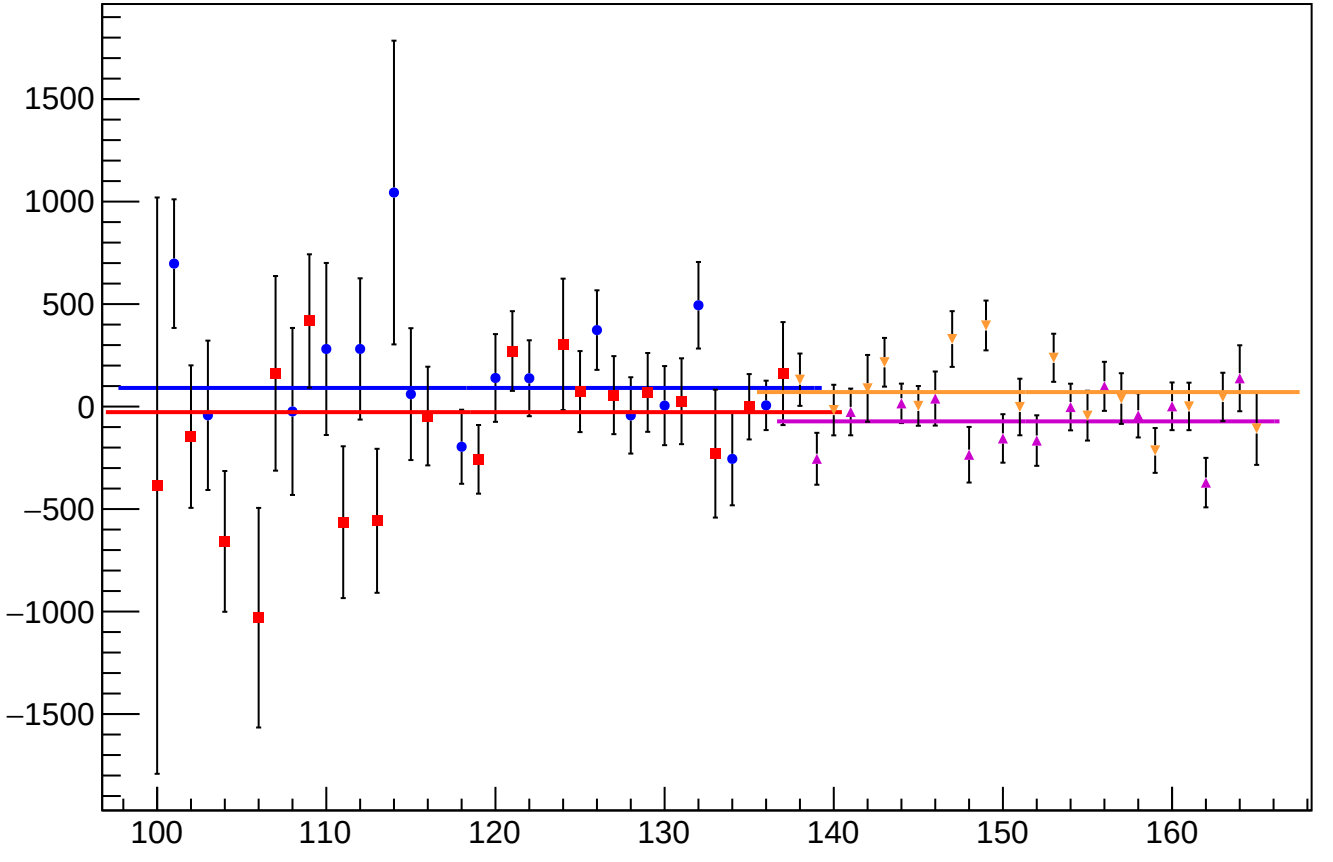
Left In: 548.177+/-0.122 χ^2/NDF:1367963.6/12

+ sign 620.602+/-0.112 χ^2/NDF: 6893336.4/30

All: 622.481+/-0.080 χ^2/NDF: 14180007.2/62

- sign 624.496+/-0.116 χ^2/NDF: 7286084.8/31

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 70.673+/-31.885 χ^2/NDF:25.0/14

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

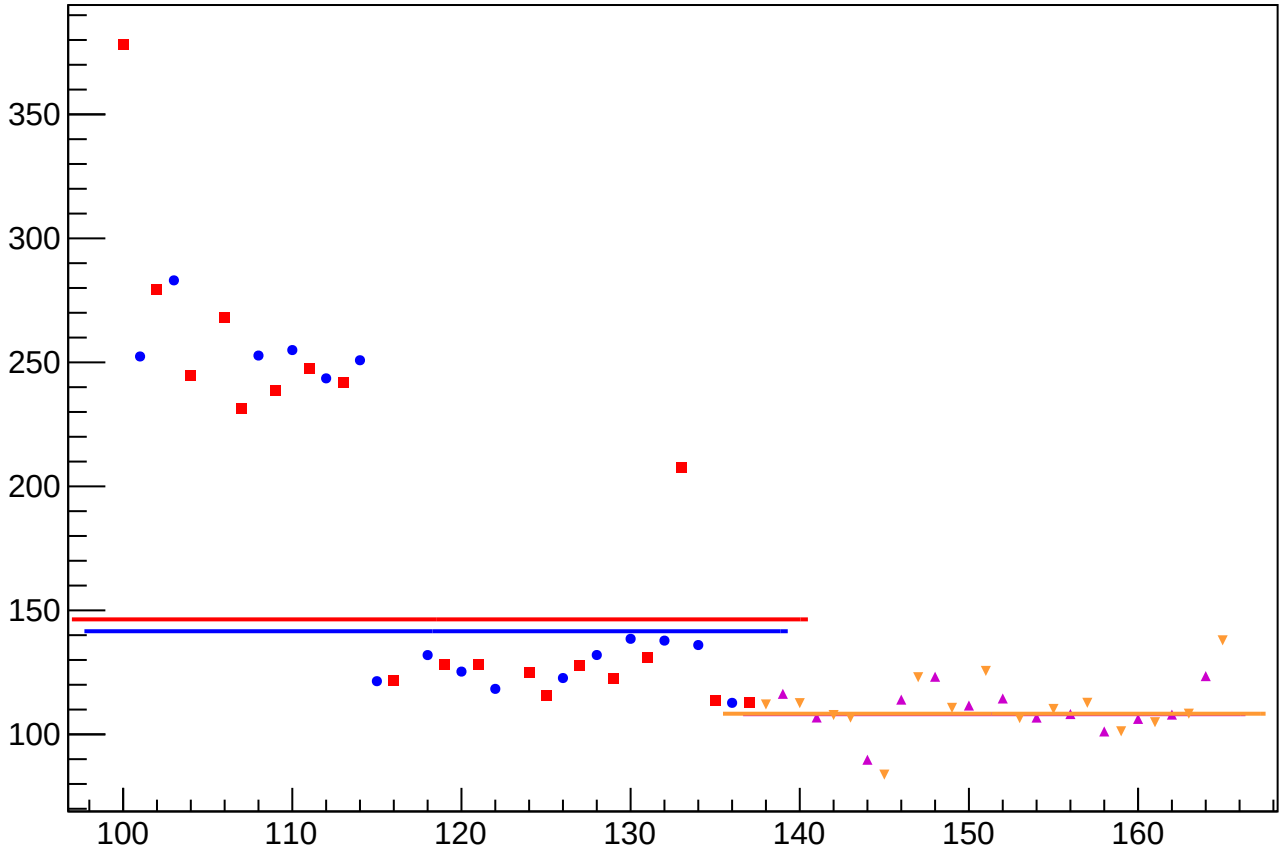
Left In: -72.196+/-33.135 χ^2/NDF:17.0/12

+ sign 75.685+/-27.655 χ^2/NDF: 43.1/30

All: 9.836+/-19.897 χ^2/NDF: 92.9/62

- sign -60.828+/-28.648 χ^2/NDF: 38.0/31

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 108.328+/-0.023 χ^2/NDF:257239.9/14

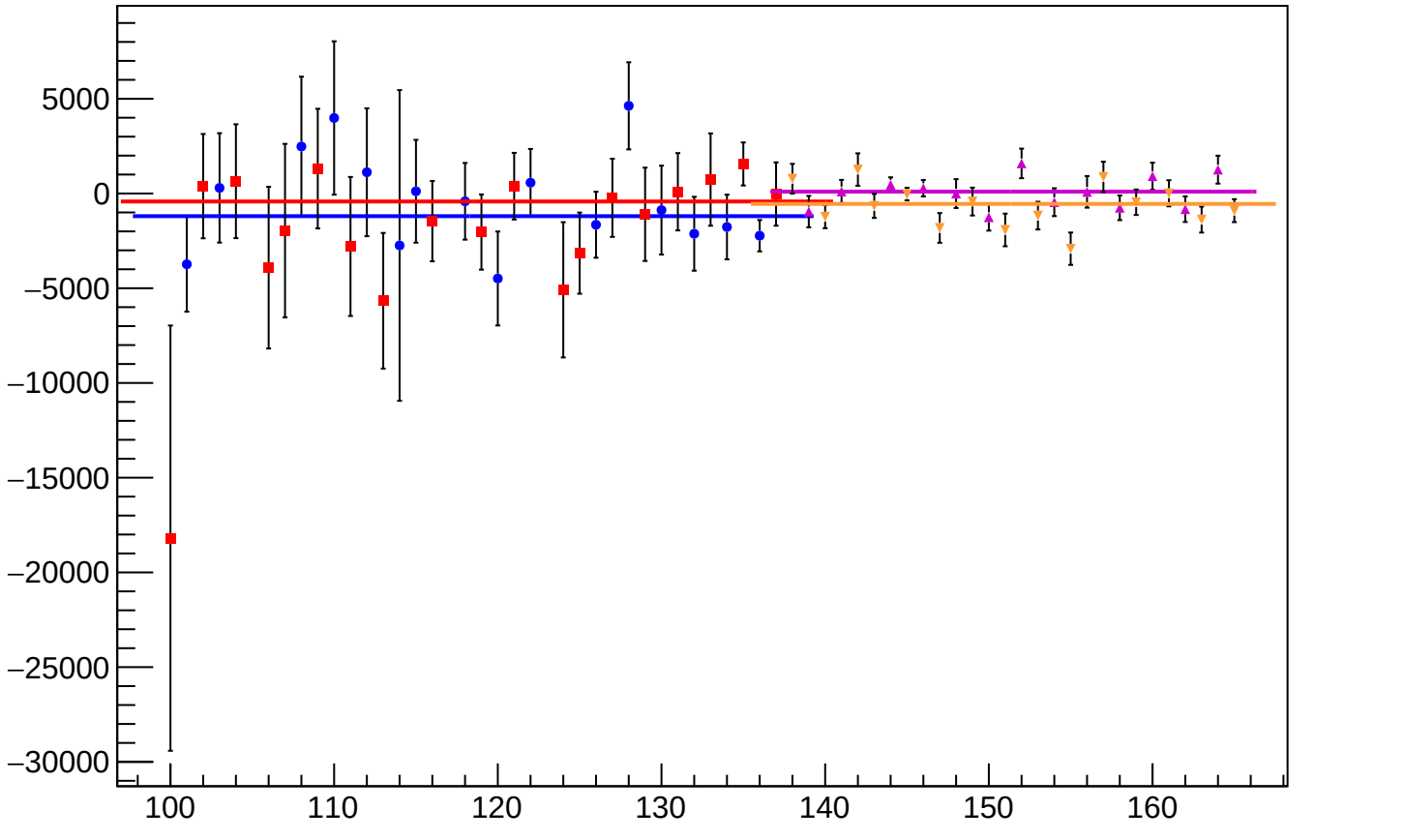
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.132+/-0.023 χ^2/NDF:144658.2/12

+ sign 116.567+/-0.020 χ^2/NDF: 2058622.5/30

All: 117.155+/-0.014 χ^2/NDF: 4391205.6/62

- sign 117.786+/-0.020 χ^2/NDF: 2330709.3/31



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -549.770+/-166.867 χ^2/NDF:30.2/14

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

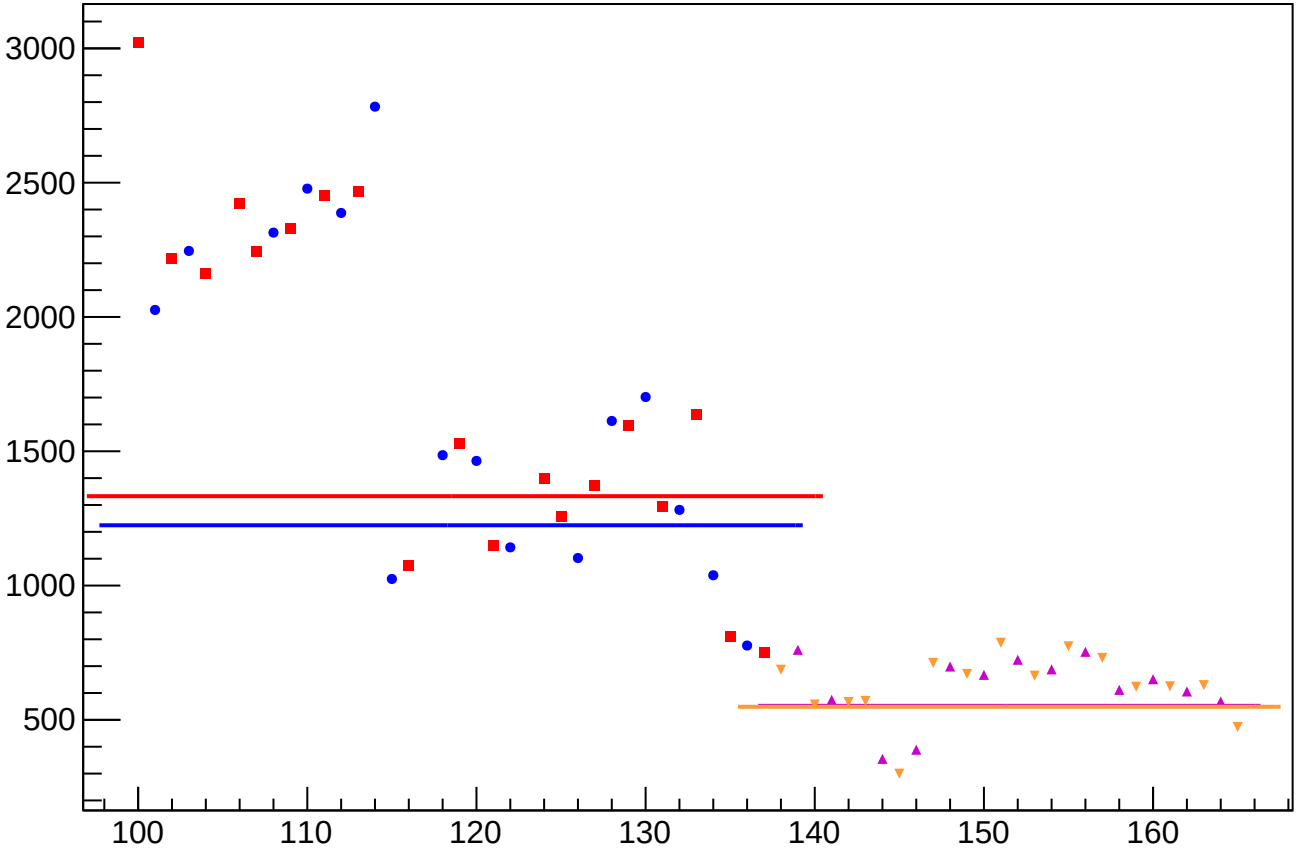
Left In: 99.650+/-174.204 χ^2/NDF:18.0/12

+ sign -616.655+/-158.005 χ^2/NDF: 47.7/30

All: -299.473+/-114.219 χ^2/NDF: 89.3/62

- sign 47.688+/-165.303 χ^2/NDF: 33.1/31

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 548.770+/-0.118 χ^2/NDF:1873403.4/14

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

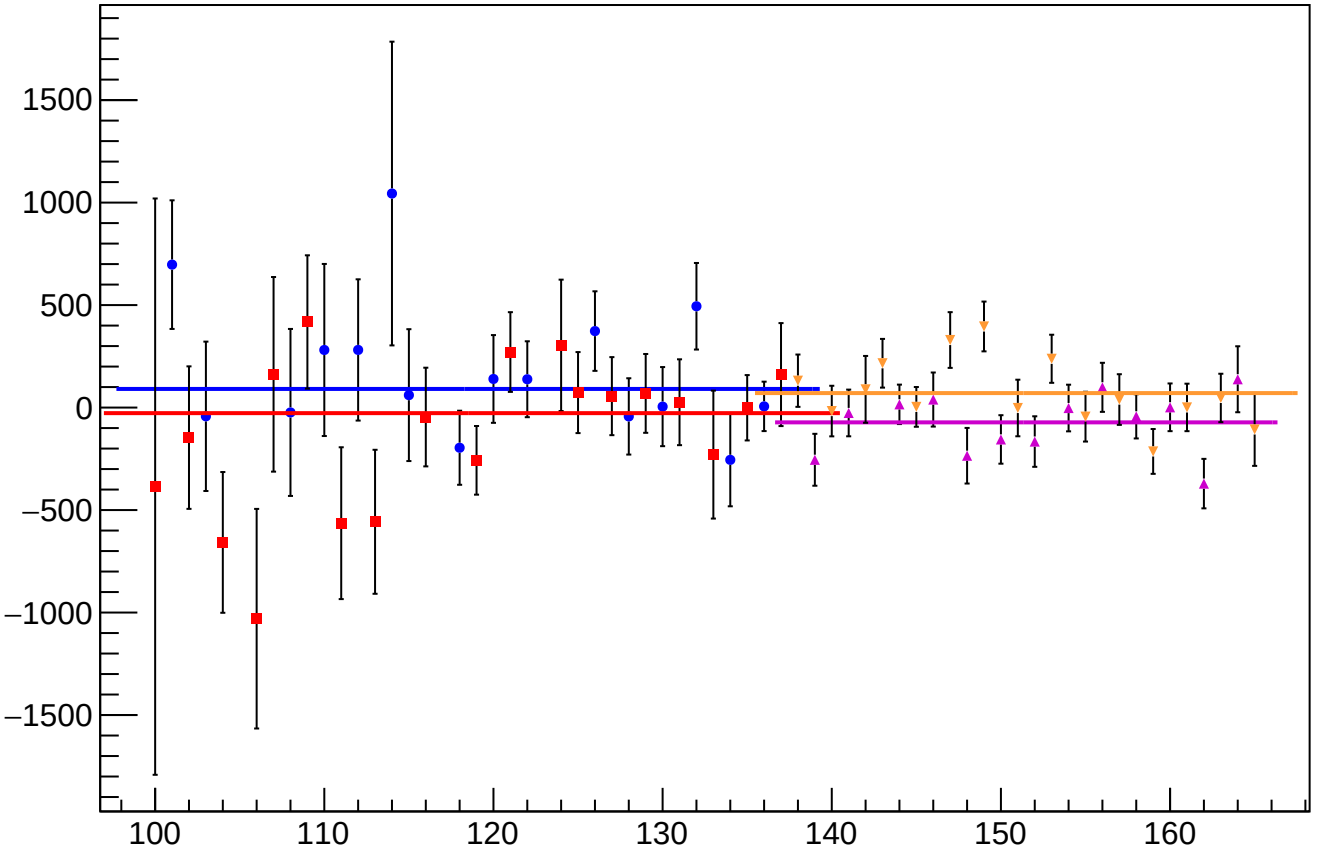
Left In: 552.218+/-0.123 χ^2/NDF:1398621.7/12

+ sign 618.633+/-0.112 χ^2/NDF: 7223531.3/30

All: 624.035+/-0.081 χ^2/NDF: 14620458.2/62

- sign 629.947+/-0.117 χ^2/NDF: 7392031.3/31

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 70.673+/-31.885 χ^2/NDF:25.0/14

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

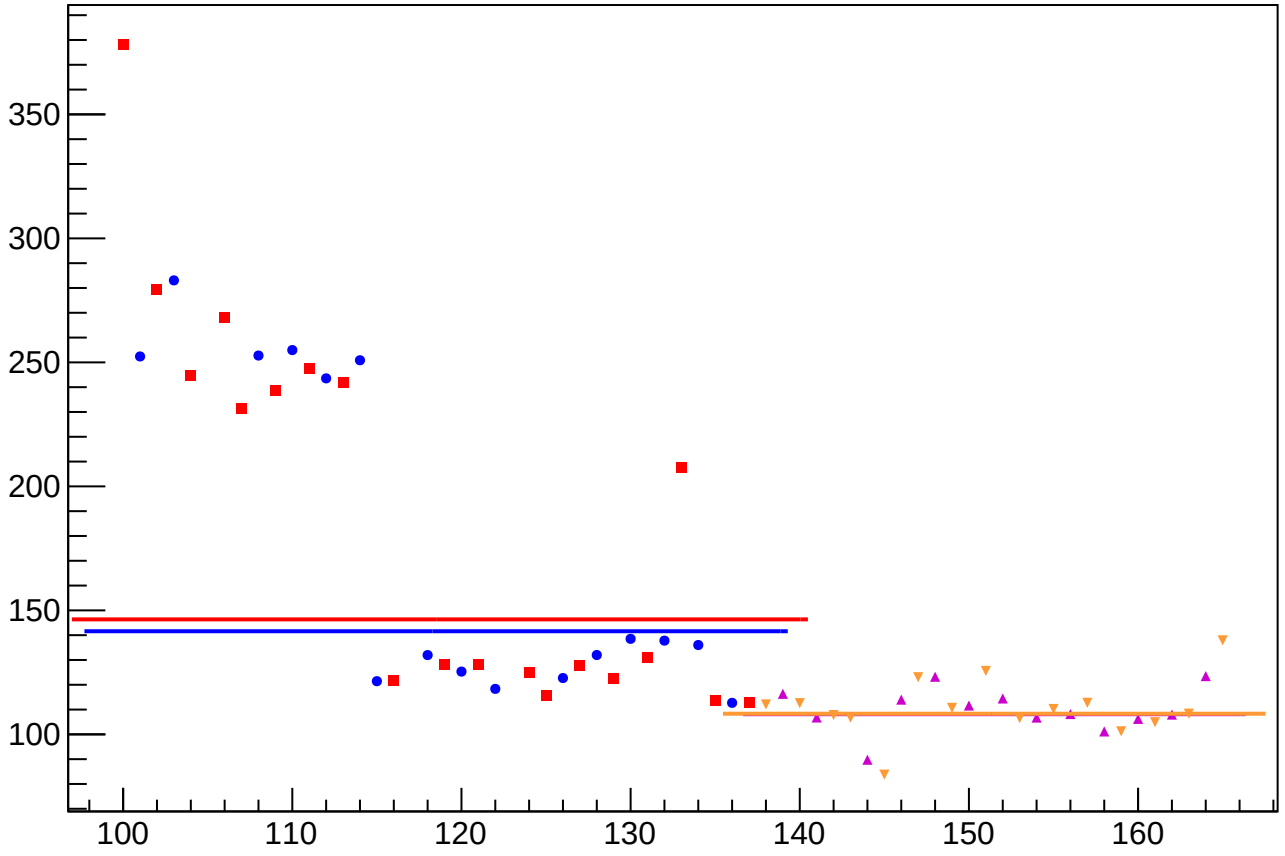
Left In: -72.193+/-33.135 χ^2/NDF:17.0/12

+ sign 75.686+/-27.655 χ^2/NDF: 43.1/30

All: 9.837+/-19.897 χ^2/NDF: 92.9/62

- sign -60.826+/-28.648 χ^2/NDF: 38.0/31

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 108.329+/-0.023 χ^2/NDF:257230.2/14

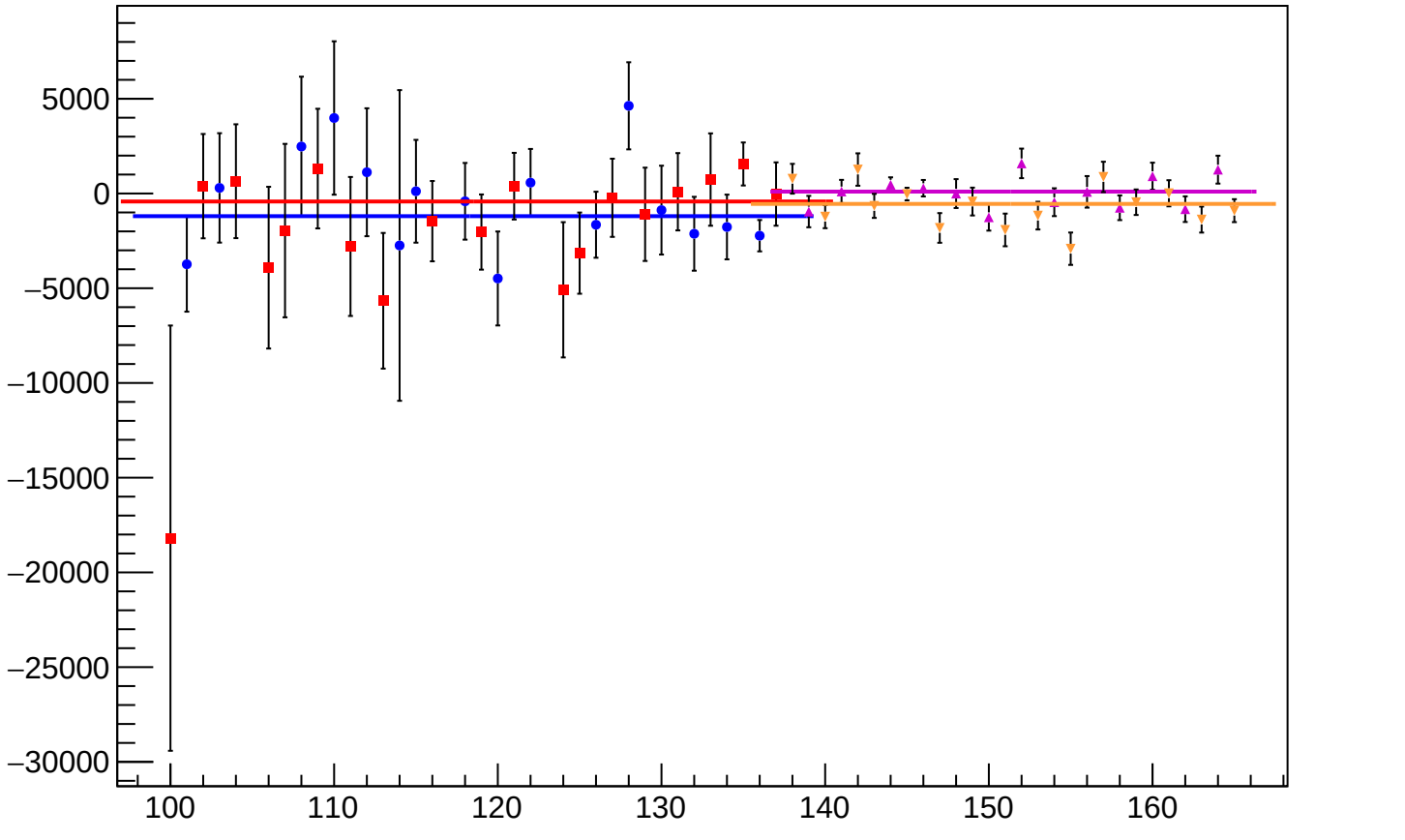
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.133+/-0.023 χ^2/NDF:144657.5/12

+ sign 116.567+/-0.020 χ^2/NDF: 2058566.6/30

All: 117.155+/-0.014 χ^2/NDF: 4391111.8/62

- sign 117.786+/-0.020 χ^2/NDF: 2330671.2/31



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -549.767+/-166.866 χ^2/NDF:30.2/14

Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

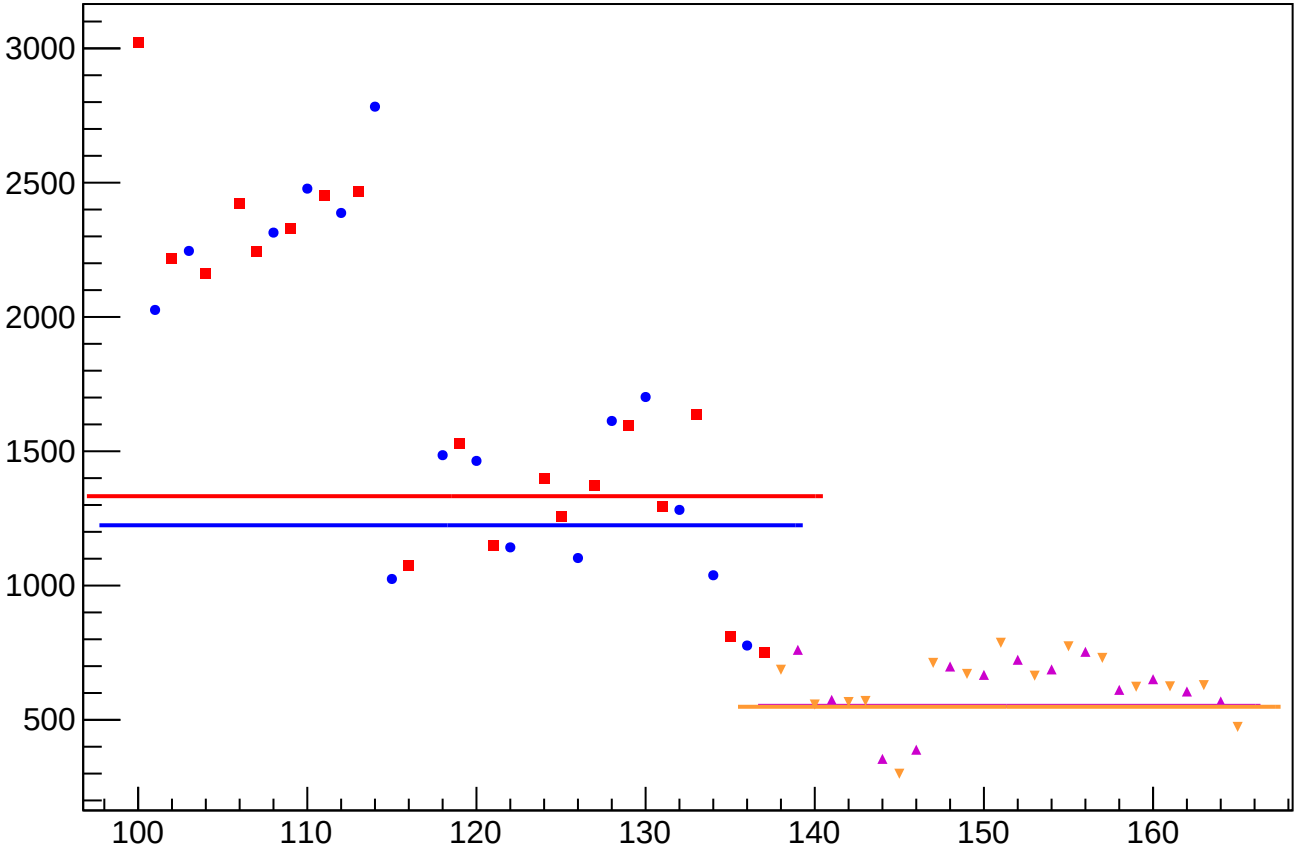
Left In: 99.650+/-174.204 χ^2/NDF:18.0/12

+ sign -616.652+/-158.004 χ^2/NDF: 47.7/30

All: -299.472+/-114.219 χ^2/NDF: 89.3/62

- sign 47.688+/-165.303 χ^2/NDF: 33.1/31

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 548.768+/-0.118 χ^2/NDF:1873451.9/14

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

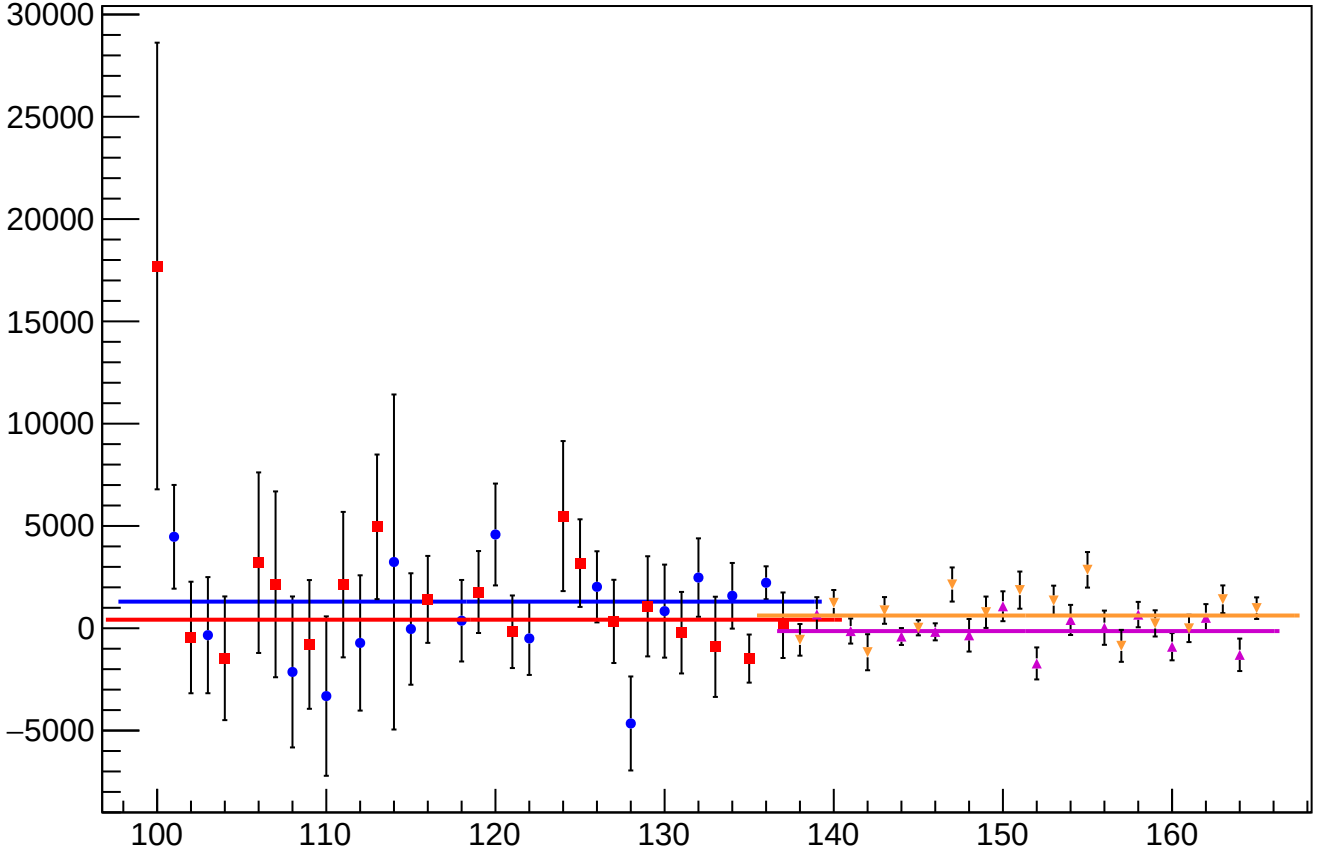
Left In: 552.217+/-0.123 χ^2/NDF:1398639.9/12

+ sign 618.632+/-0.112 χ^2/NDF: 7223579.8/30

All: 624.034+/-0.081 χ^2/NDF: 14620520.3/62

- sign 629.946+/-0.117 χ^2/NDF: 7392044.0/31

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 622.515+/-169.717 χ^2/NDF:29.7/14

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

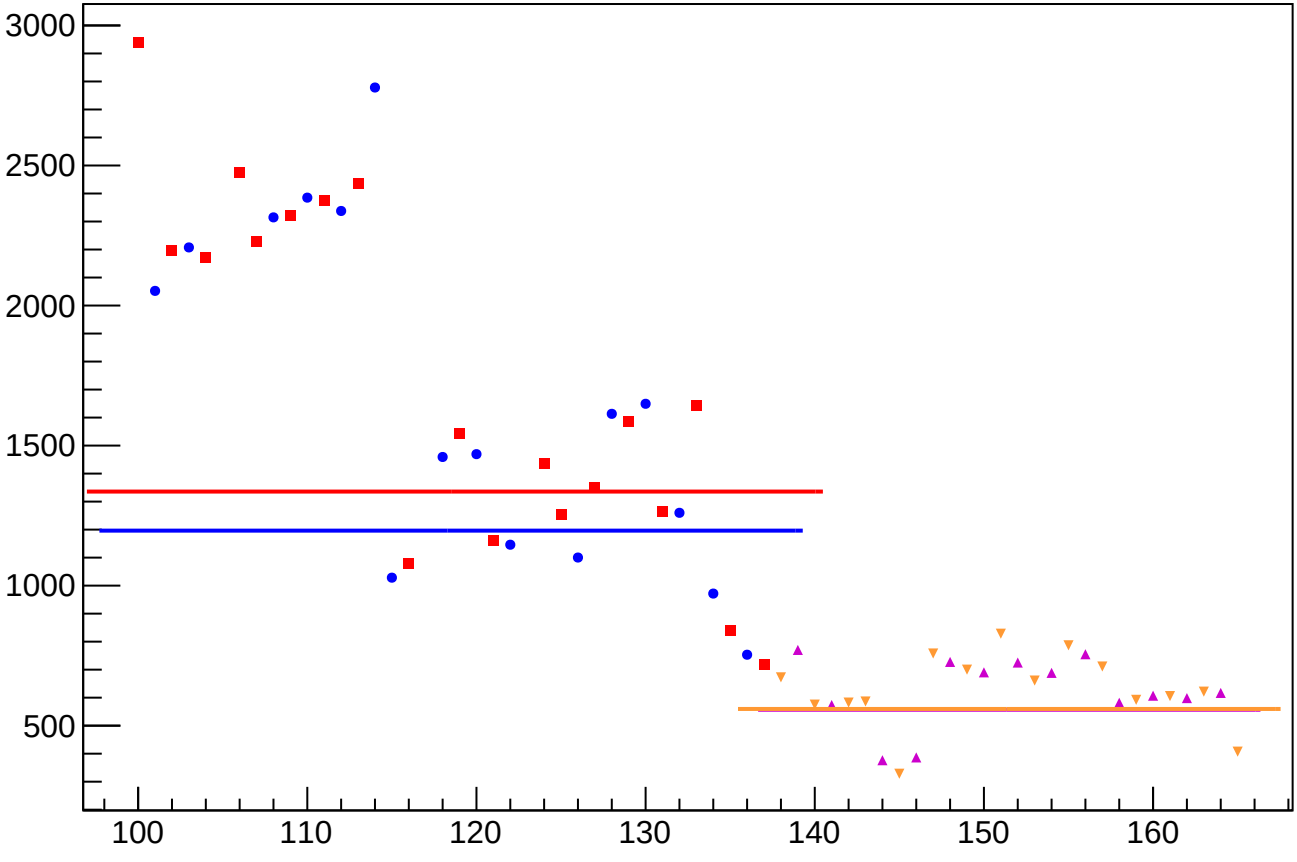
Left In: -138.474+/-174.729 χ^2/NDF:15.0/12

+ sign 697.436+/-160.082 χ^2/NDF: 48.0/30

All: 320.912+/-115.154 χ^2/NDF: 88.5/62

- sign -82.861+/-165.773 χ^2/NDF: 29.0/31

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 559.641+/-0.120 χ^2/NDF:1628739.3/14

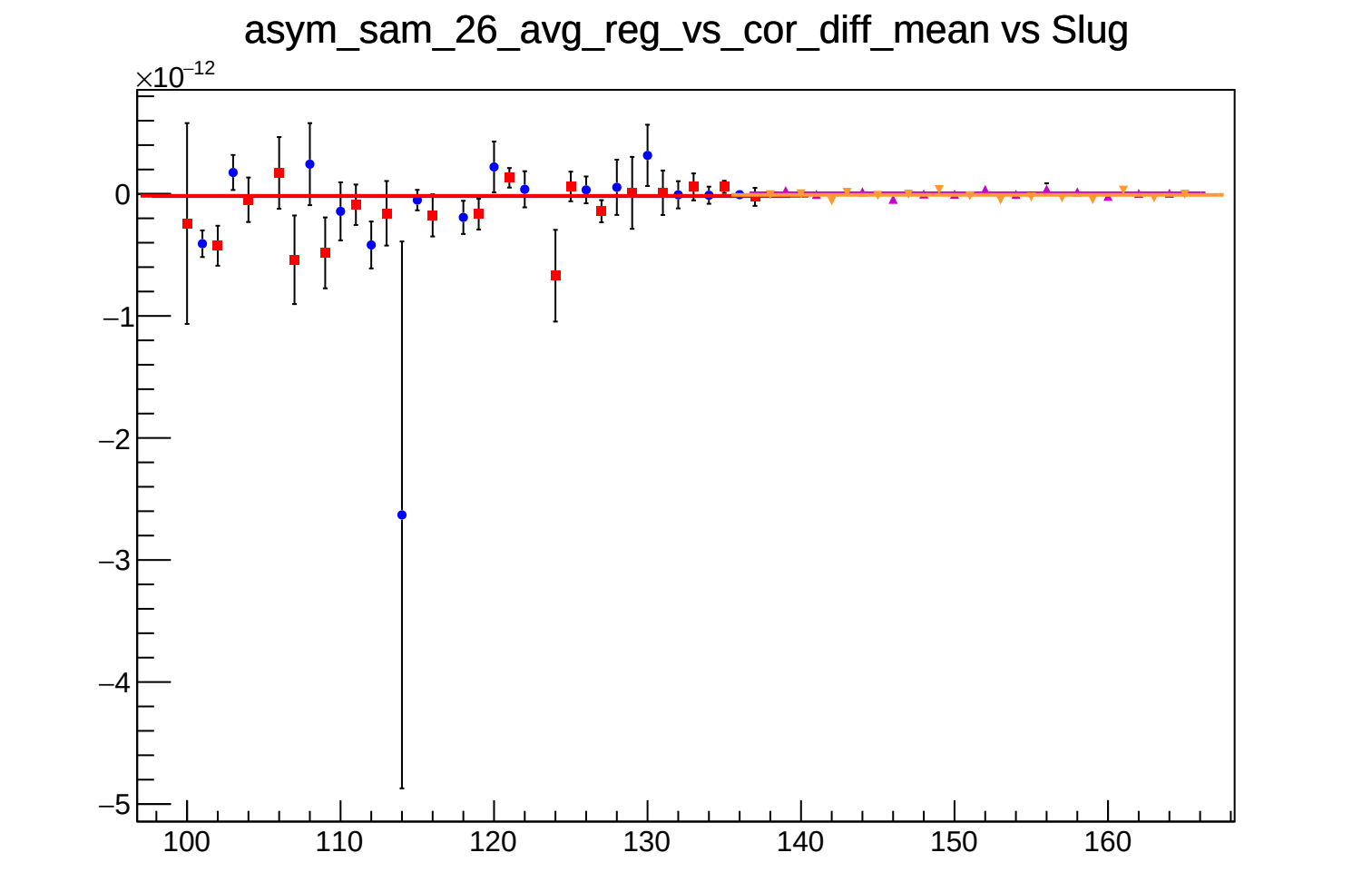
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 556.800+/-0.124 χ^2/NDF:1308536.6/12

+ sign 629.885+/-0.113 χ^2/NDF: 6765926.7/30

All: 632.166+/-0.081 χ^2/NDF: 13997739.4/62

- sign 634.613+/-0.117 χ^2/NDF: 7230970.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/14

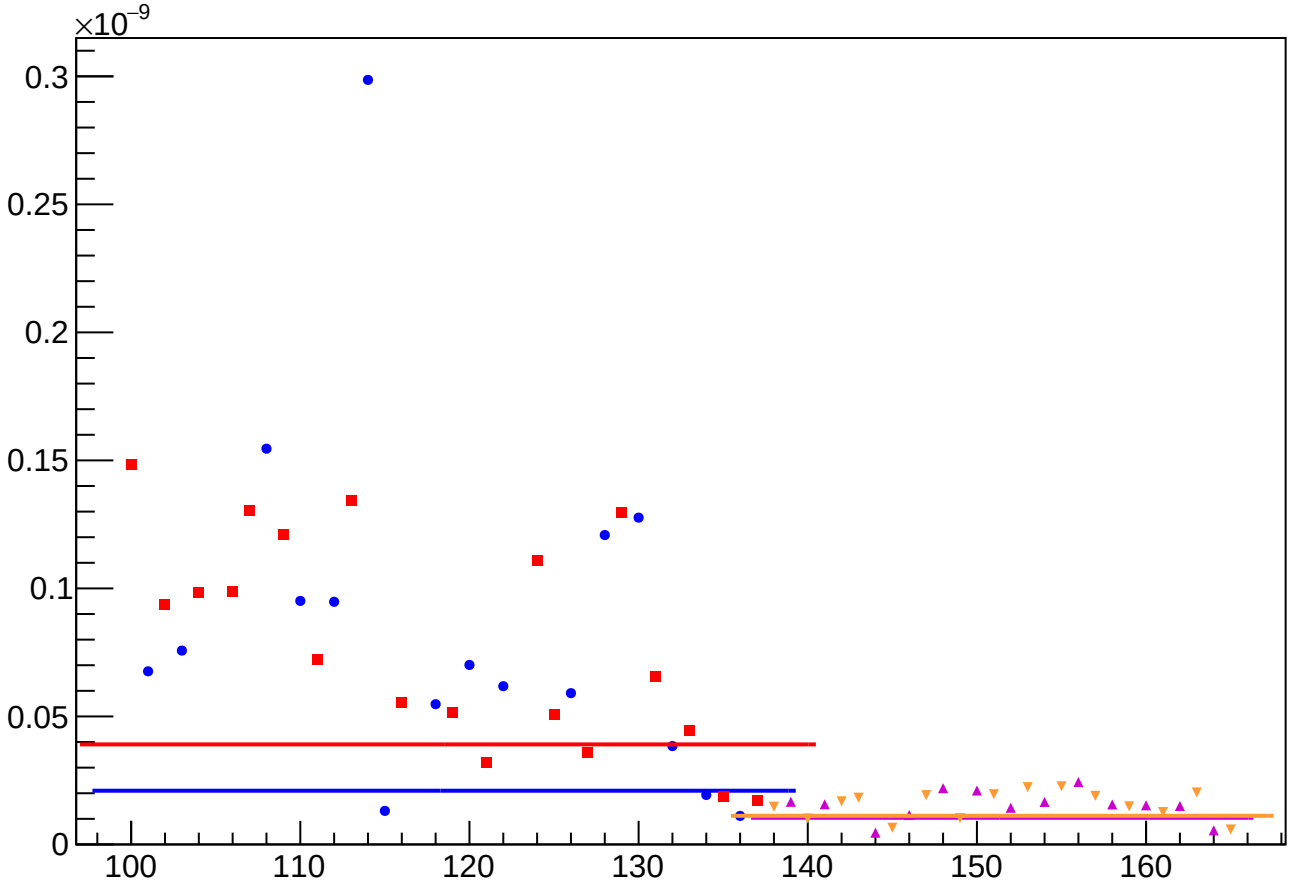
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/12

+ sign -0.000+/-0.000 χ^2/NDF: 41.6/30

All: -0.000+/-0.000 χ^2/NDF: 83.3/62

- sign 0.000+/-0.000 χ^2/NDF: 38.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1802791.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

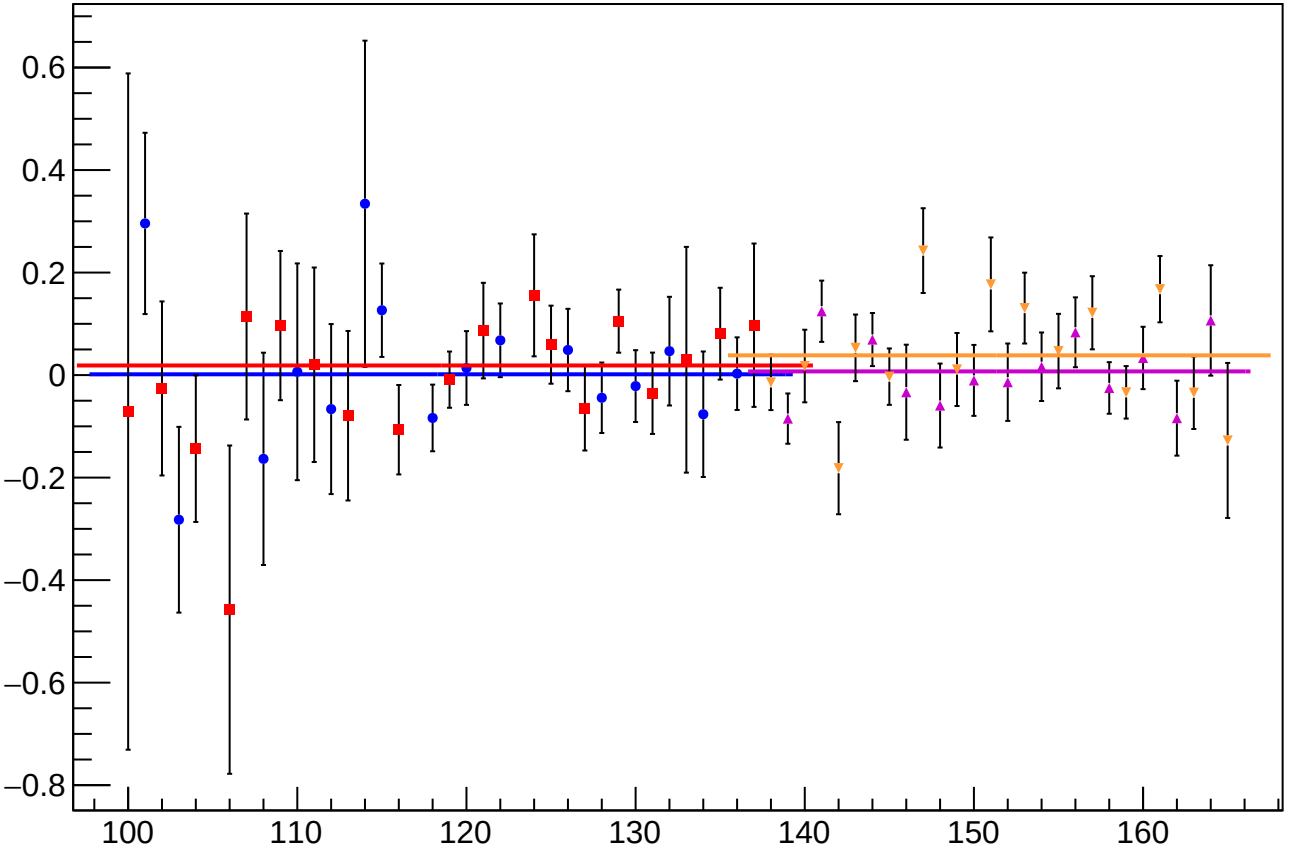
Left In: 0.000+/-0.000 χ^2/NDF:2009824.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 5732738.2/30

All: 0.000+/-0.000 χ^2/NDF: 11888595.5/62

- sign 0.000+/-0.000 χ^2/NDF: 6149898.3/31

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: 0.039+/-0.018 χ^2/NDF:27.6/14

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

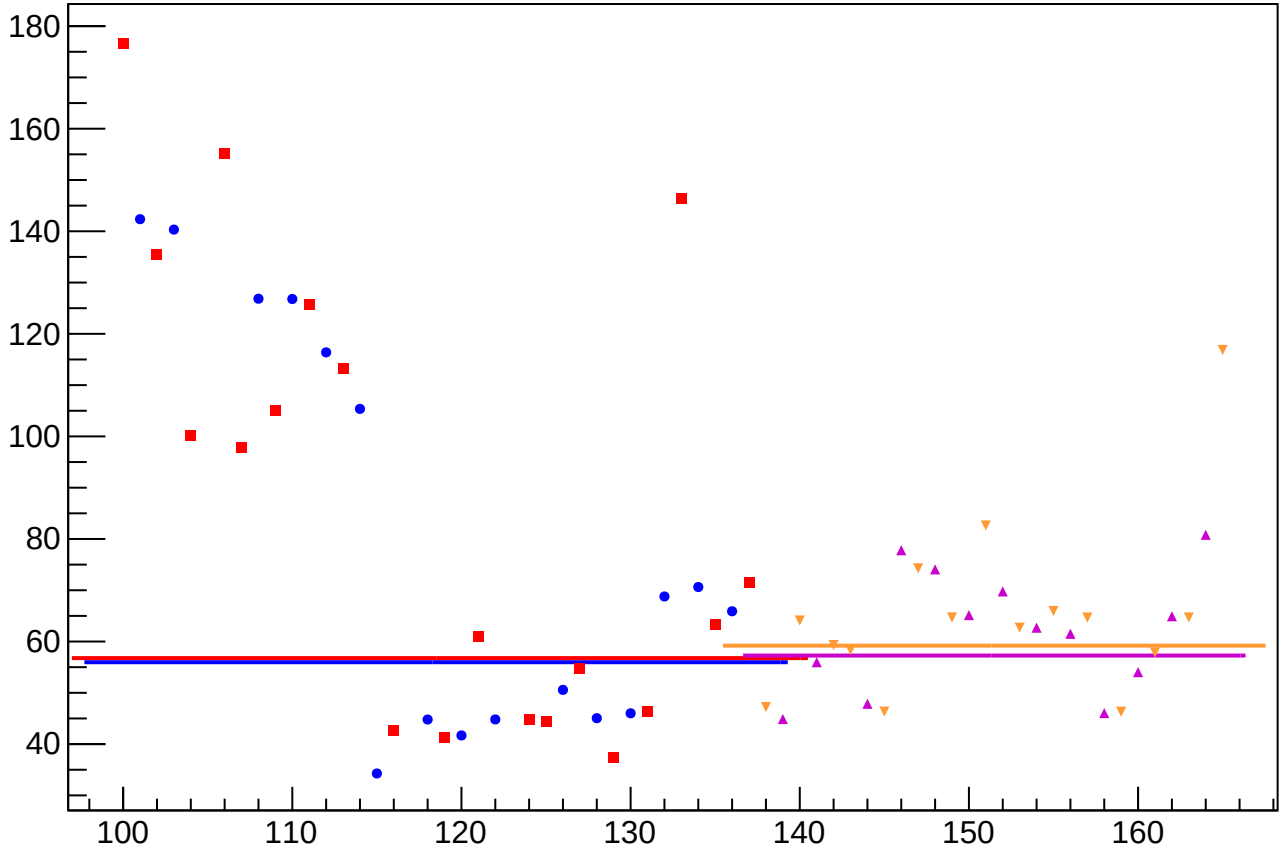
Left In: 0.007+/-0.018 χ^2/NDF:14.1/12

+ sign 0.025+/-0.014 χ^2/NDF: 42.2/30

All: 0.018+/-0.010 χ^2/NDF: 70.0/62

- sign 0.011+/-0.014 χ^2/NDF: 27.3/31

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: 59.201+/-0.013 χ^2/NDF:890699.5/14

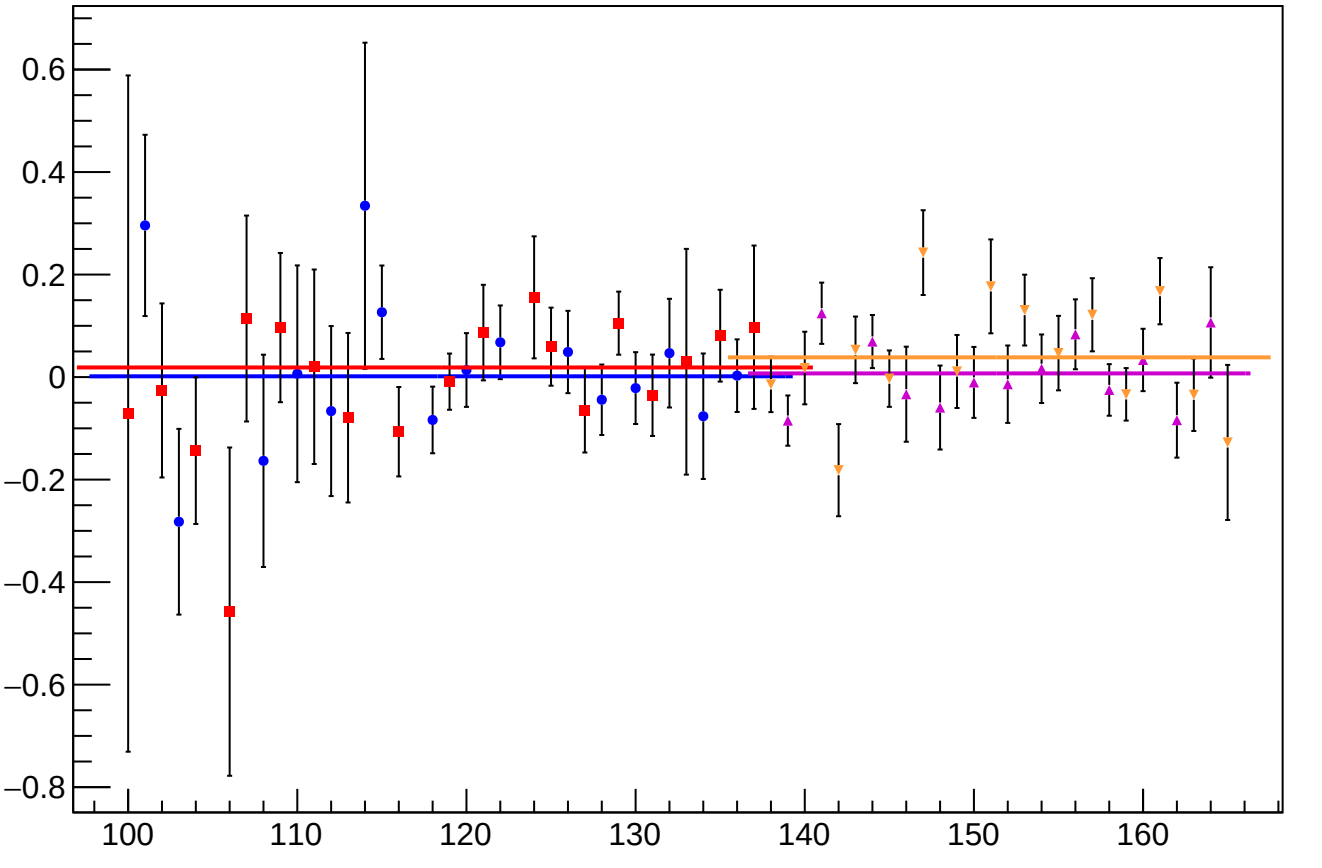
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.267+/-0.013 χ^2/NDF:701160.5/12

\+ sign 58.017+/-0.010 χ^2/NDF: 3094685.0/30

All: 57.554+/-0.007 χ^2/NDF: 6353932.9/62

\- sign 57.084+/-0.010 χ^2/NDF: 3254947.9/31



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.018 χ^2/NDF:27.6/14

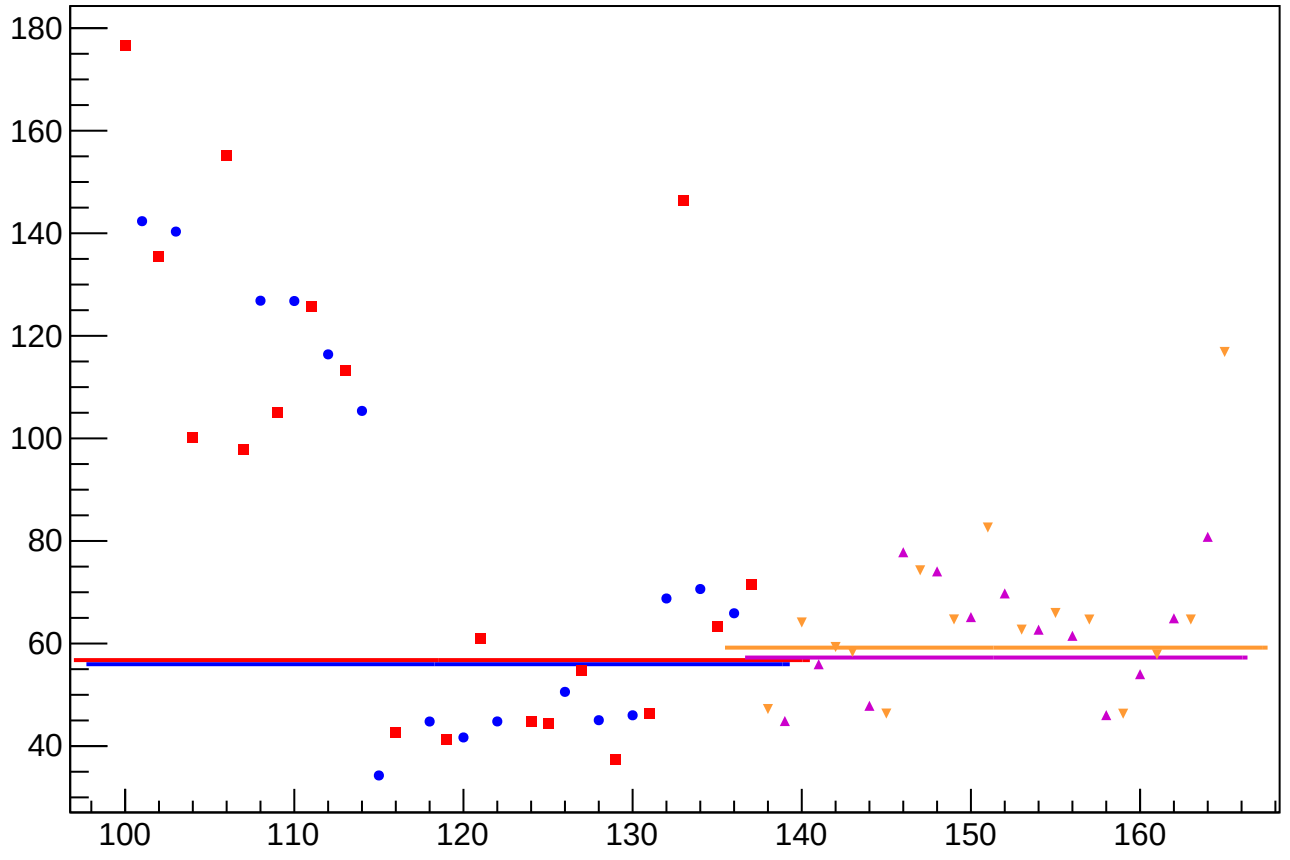
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.007+/-0.018 χ^2/NDF:14.1/12

+ sign 0.025+/-0.014 χ^2/NDF: 42.2/30

All: 0.018+/-0.010 χ^2/NDF: 70.0/62

- sign 0.011+/-0.014 χ^2/NDF: 27.3/31



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.201+/-0.013 χ^2/NDF:890699.5/14

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

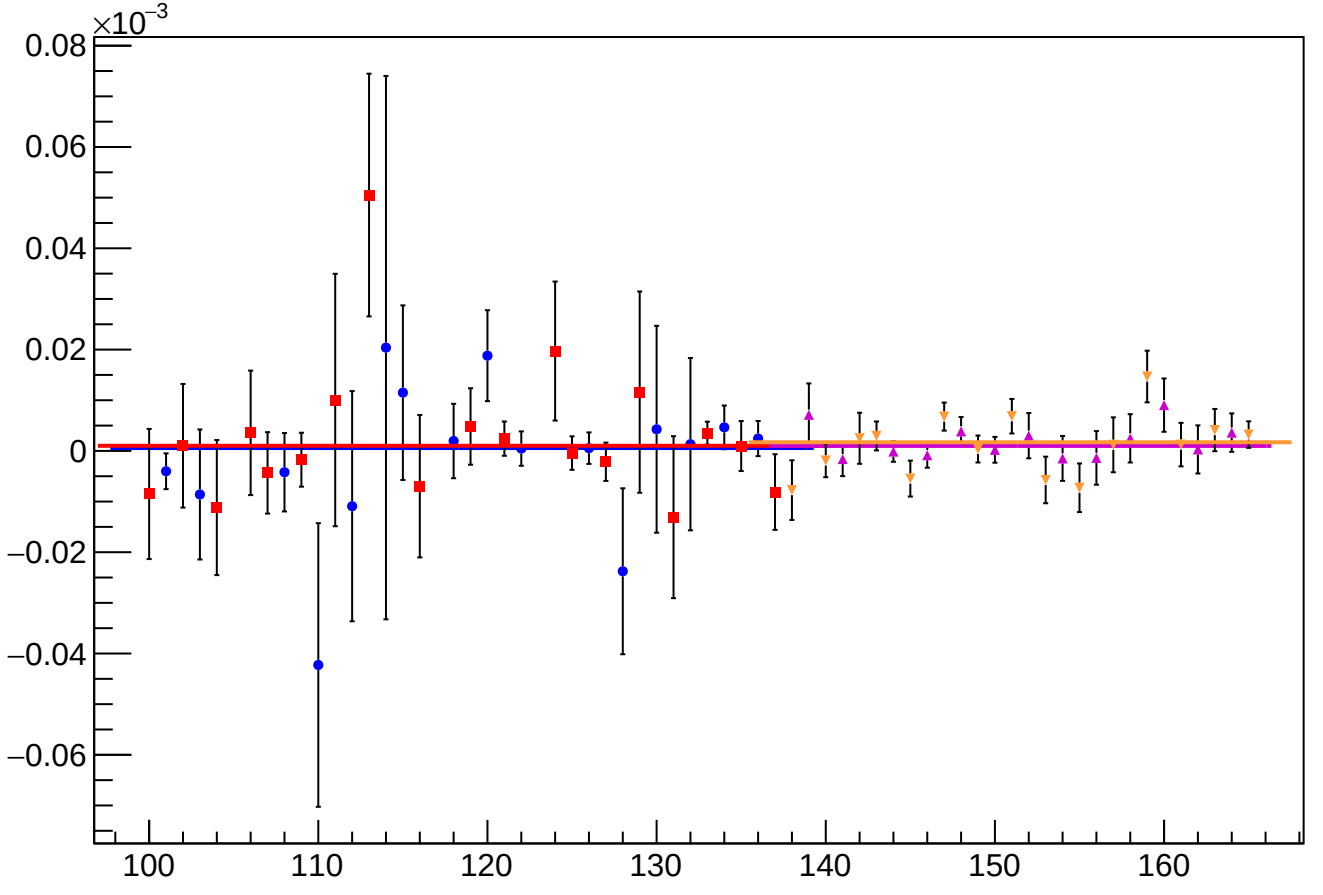
Left In: 57.267+/-0.013 χ^2/NDF:701160.5/12

+ sign 58.017+/-0.010 χ^2/NDF: 3094685.0/30

All: 57.554+/-0.007 χ^2/NDF: 6353932.9/62

- sign 57.084+/-0.010 χ^2/NDF: 3254947.9/31

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/14

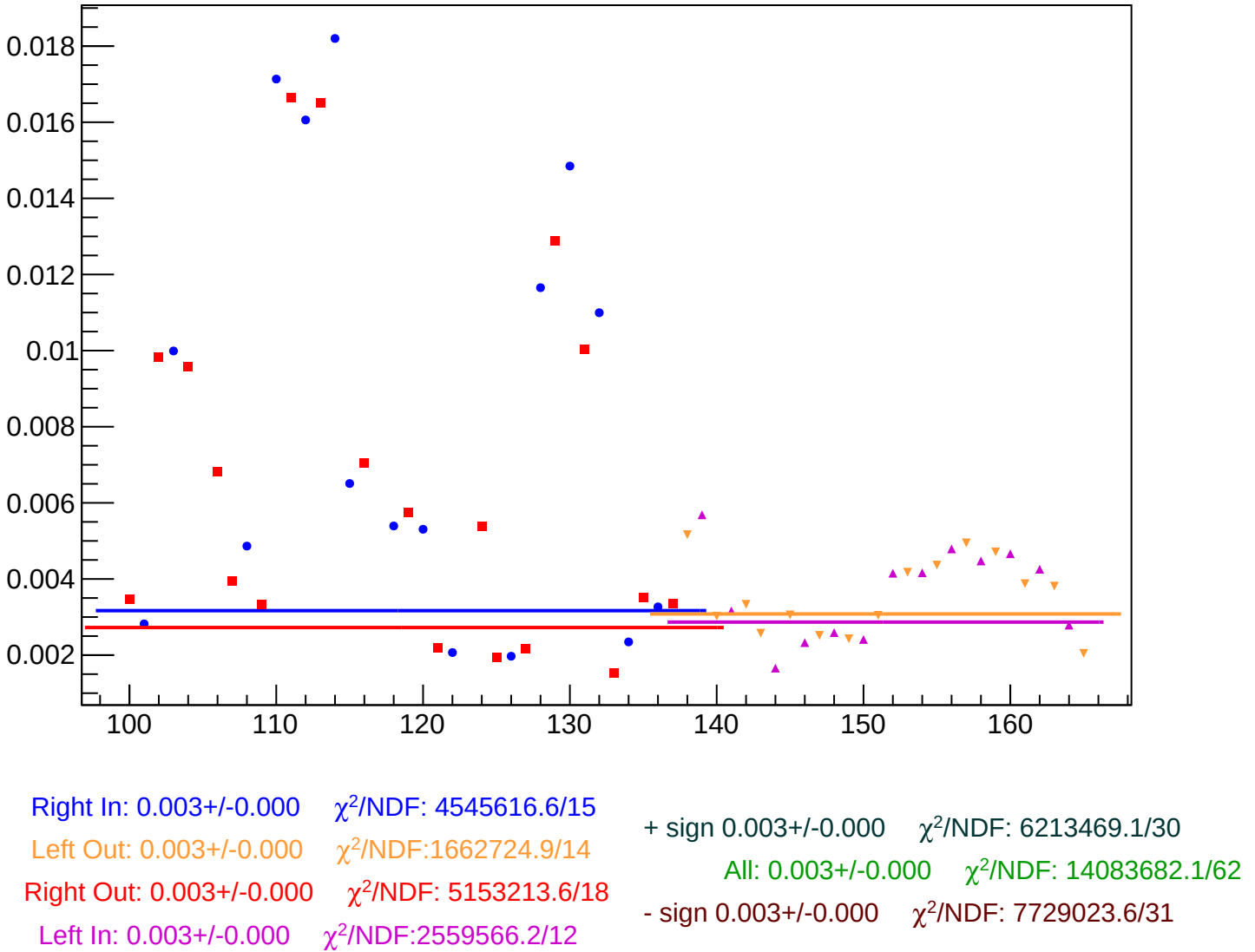
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

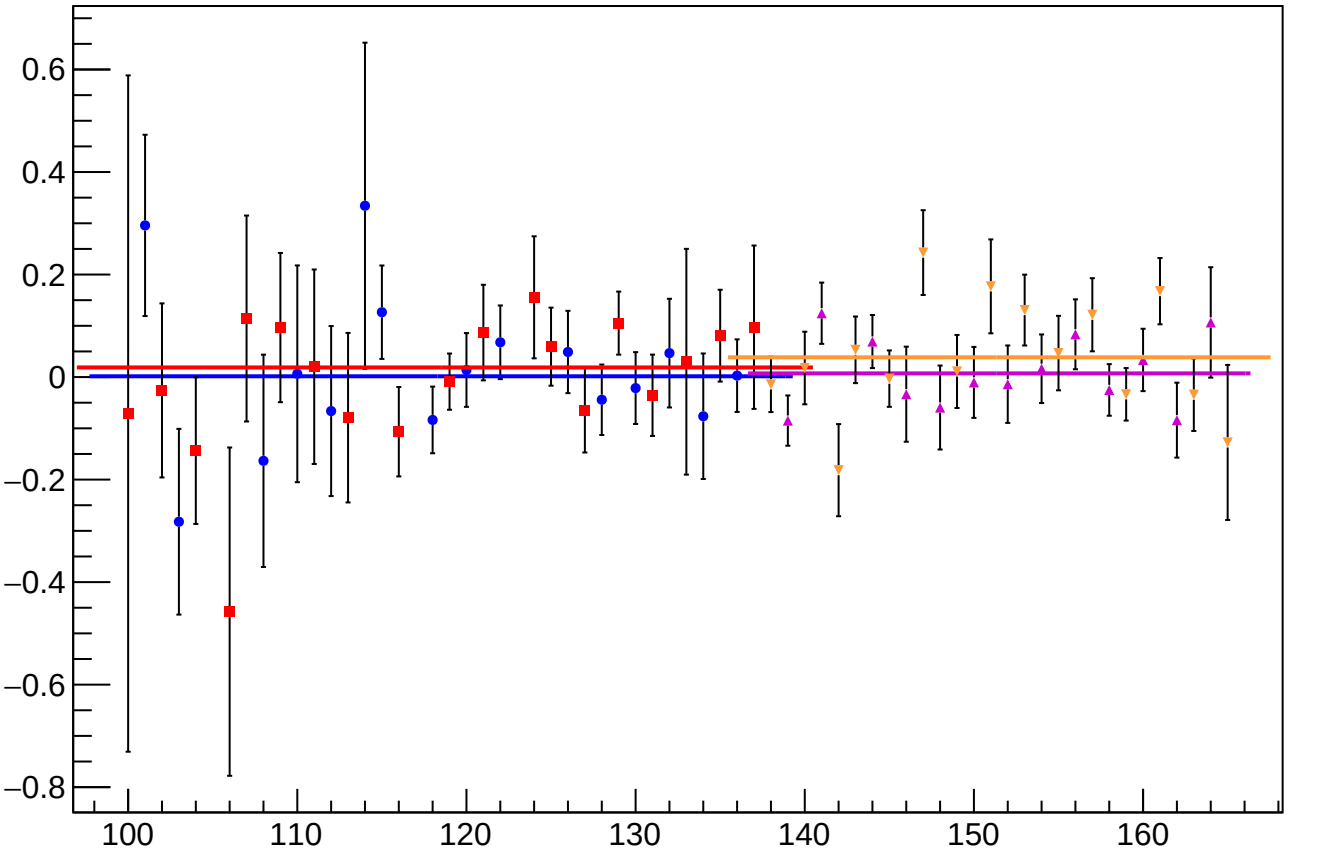
Left In: 0.000+/-0.000 χ^2/NDF:7.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/30

All: 0.000+/-0.000 χ^2/NDF: 62.1/62

- sign 0.000+/-0.000 χ^2/NDF: 21.0/31


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:1662724.9/14
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:2559566.2/12
+ sign 0.003+/-0.000 χ²/NDF: 6213469.1/30
All: 0.003+/-0.000 χ²/NDF: 14083682.1/62
- sign 0.003+/-0.000 χ²/NDF: 7729023.6/31



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.018 χ^2/NDF:27.6/14

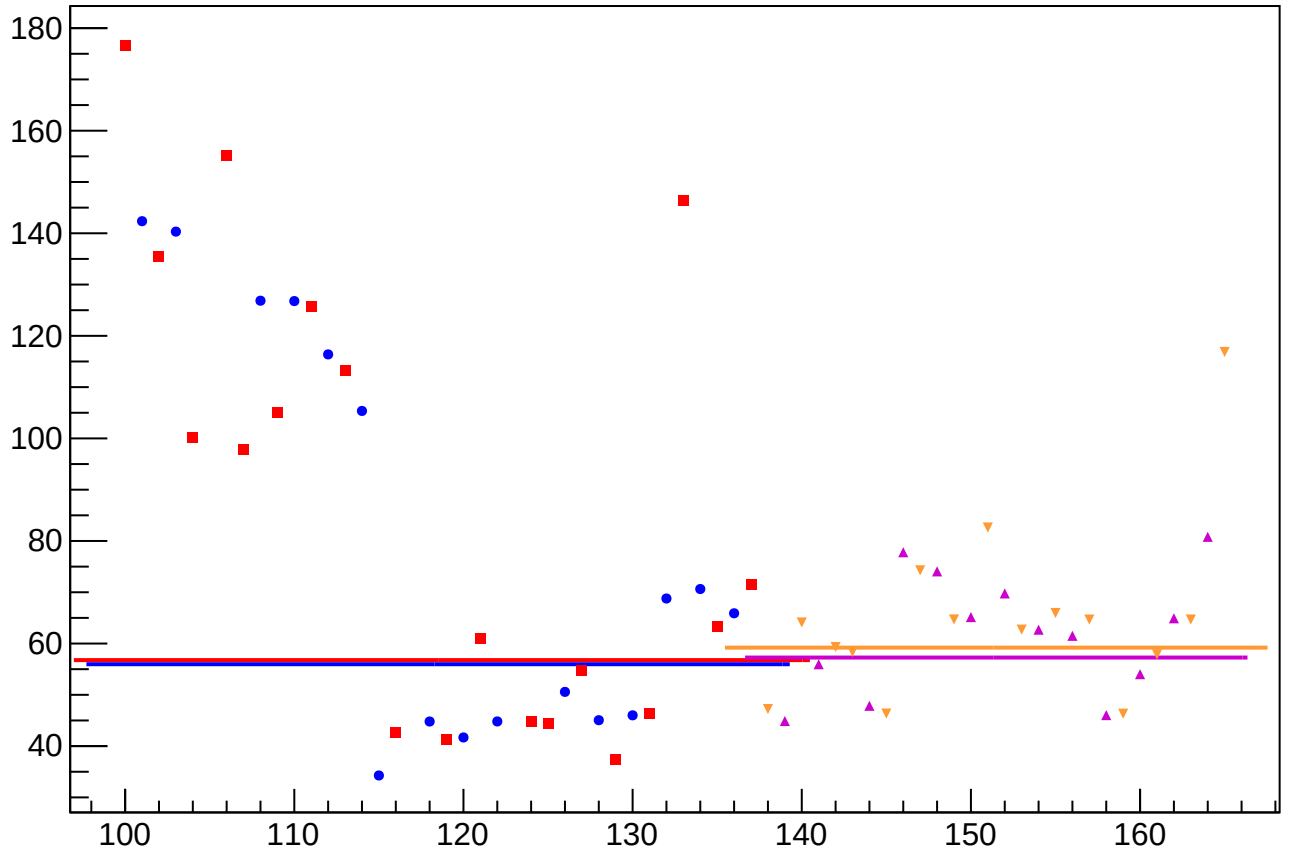
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.007+/-0.018 χ^2/NDF:14.1/12

+ sign 0.025+/-0.014 χ^2/NDF: 42.2/30

All: 0.018+/-0.010 χ^2/NDF: 70.0/62

- sign 0.011+/-0.014 χ^2/NDF: 27.3/31



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.202+/-0.013 χ^2/NDF:890687.4/14

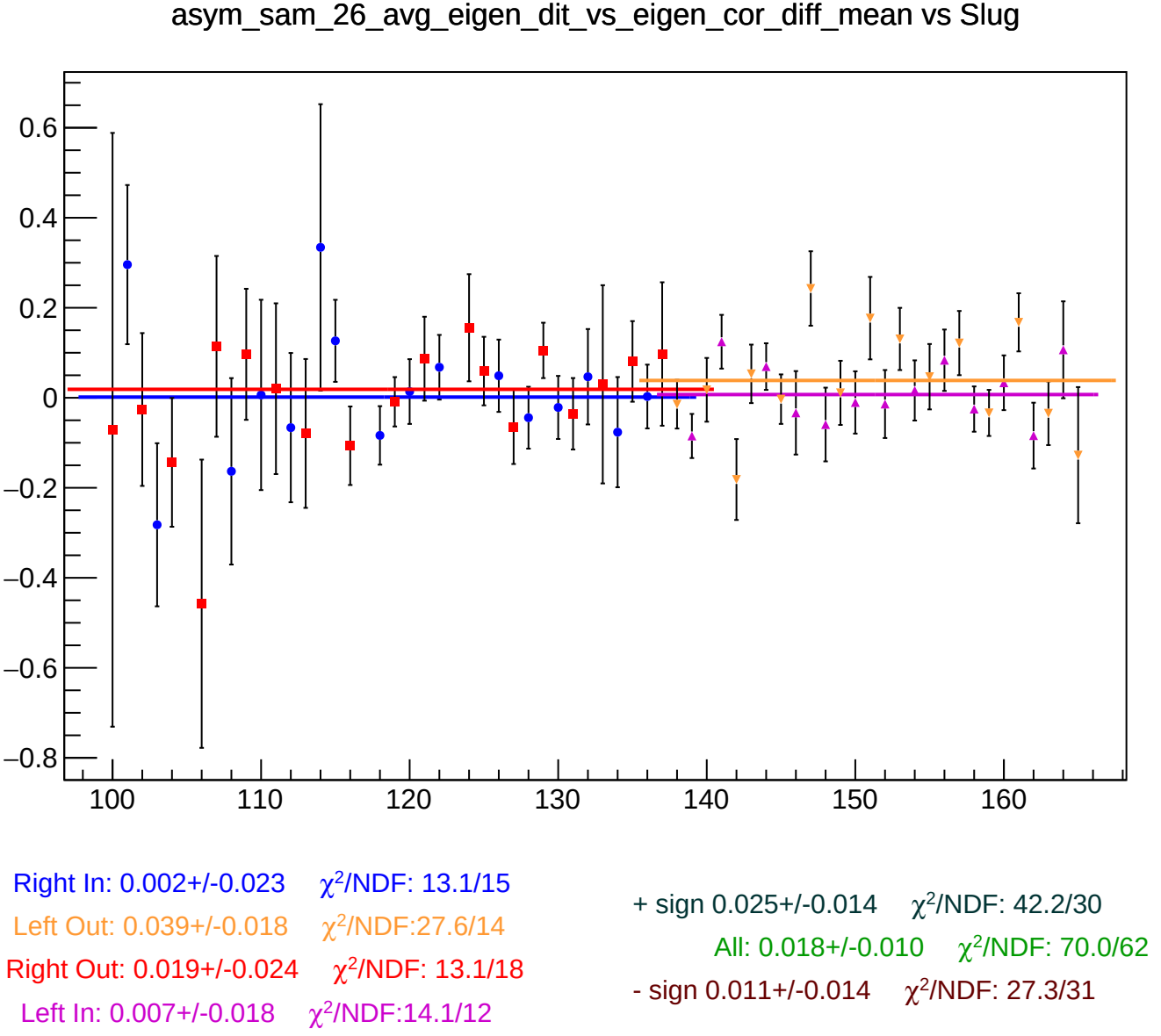
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

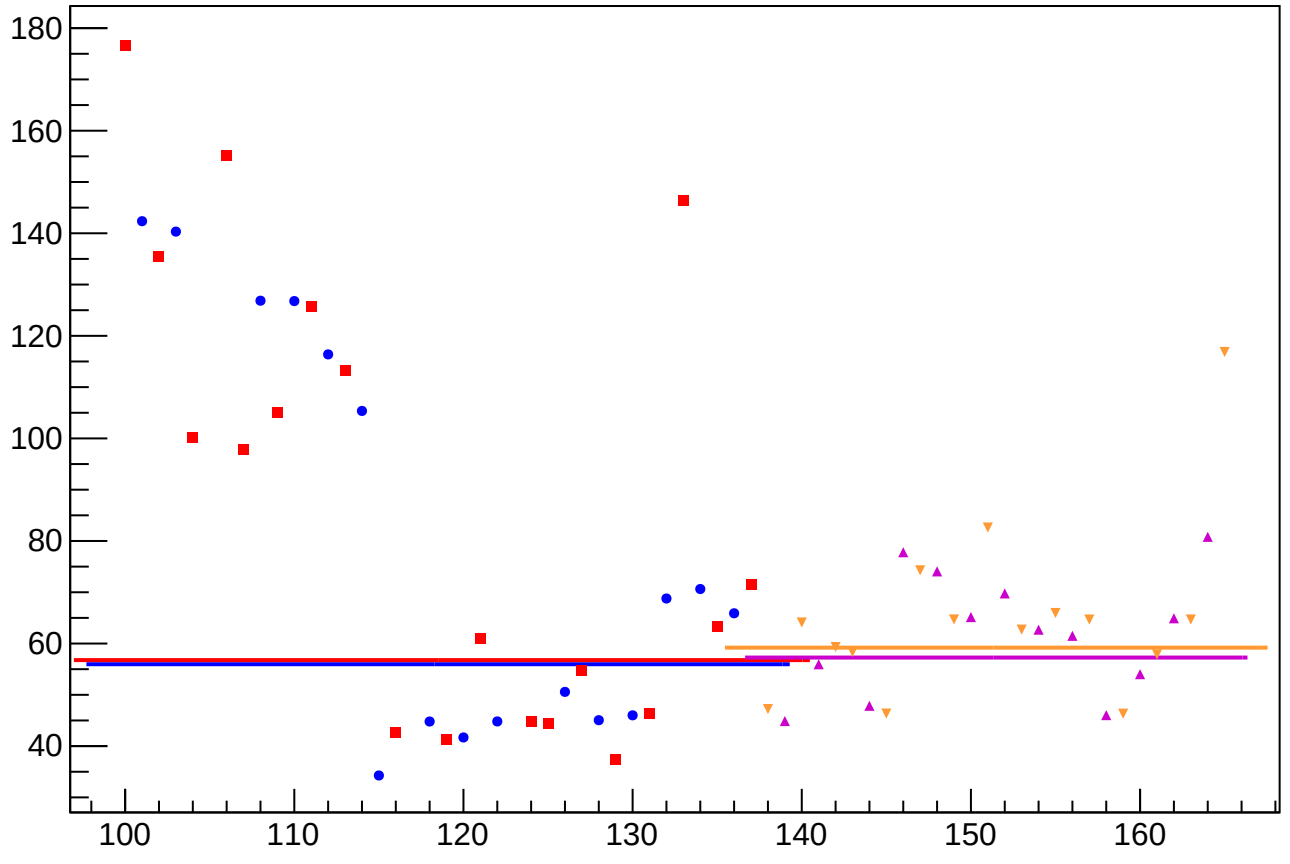
Left In: 57.268+/-0.013 χ^2/NDF:701162.9/12

\+ sign 58.017+/-0.010 χ^2/NDF: 3094613.8/30

All: 57.554+/-0.007 χ^2/NDF: 6353811.7/62

\- sign 57.084+/-0.010 χ^2/NDF: 3254897.6/31


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.039+/-0.018 χ²/NDF:27.6/14
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: 0.007+/-0.018 χ²/NDF:14.1/12
+ sign 0.025+/-0.014 χ²/NDF: 42.2/30
All: 0.018+/-0.010 χ²/NDF: 70.0/62
- sign 0.011+/-0.014 χ²/NDF: 27.3/31



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 59.202+/-0.013 χ^2/NDF:890687.4/14

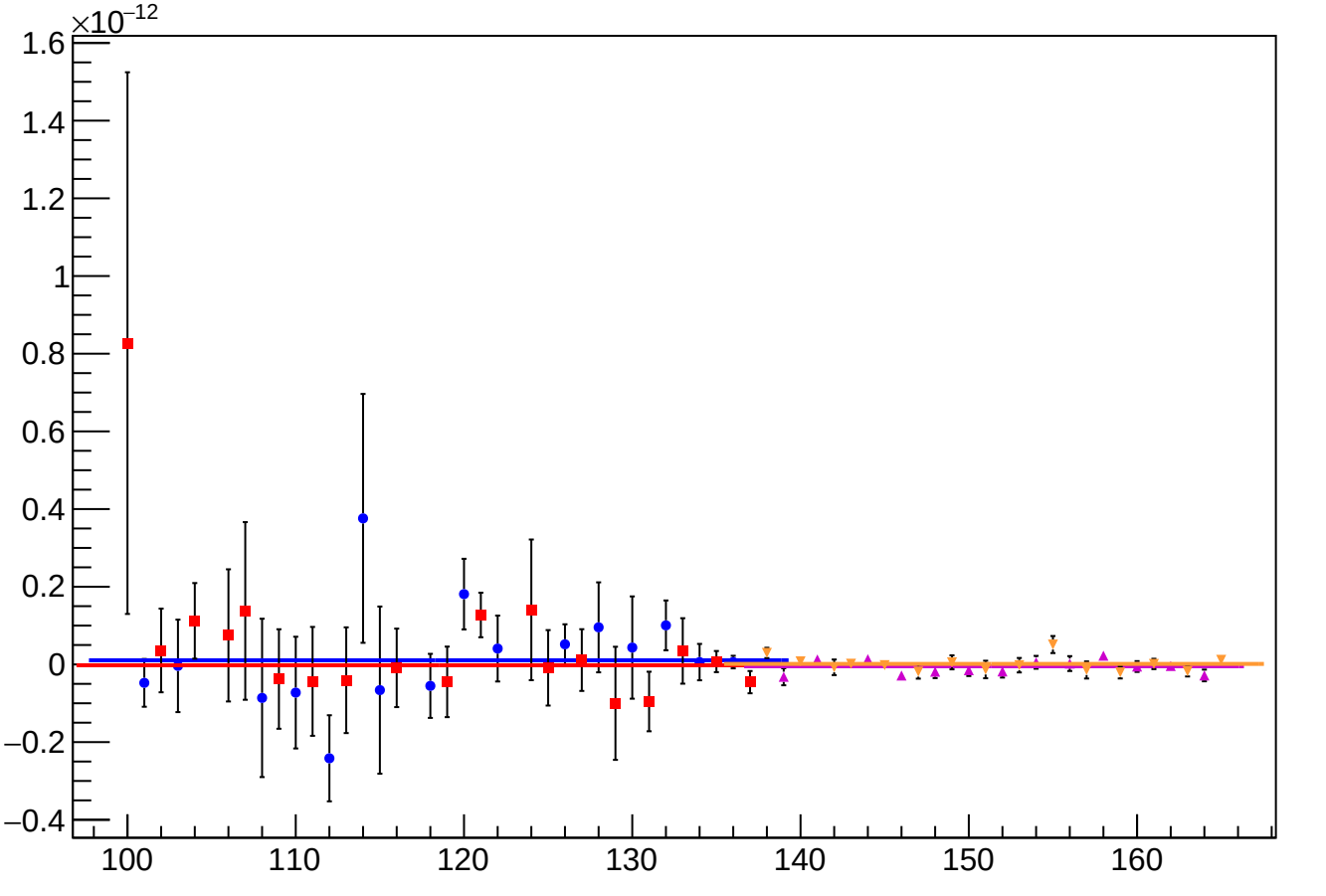
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.268+/-0.013 χ^2/NDF:701162.9/12

+ sign 58.017+/-0.010 χ^2/NDF: 3094613.8/30

All: 57.554+/-0.007 χ^2/NDF: 6353811.7/62

- sign 57.084+/-0.010 χ^2/NDF: 3254897.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/14

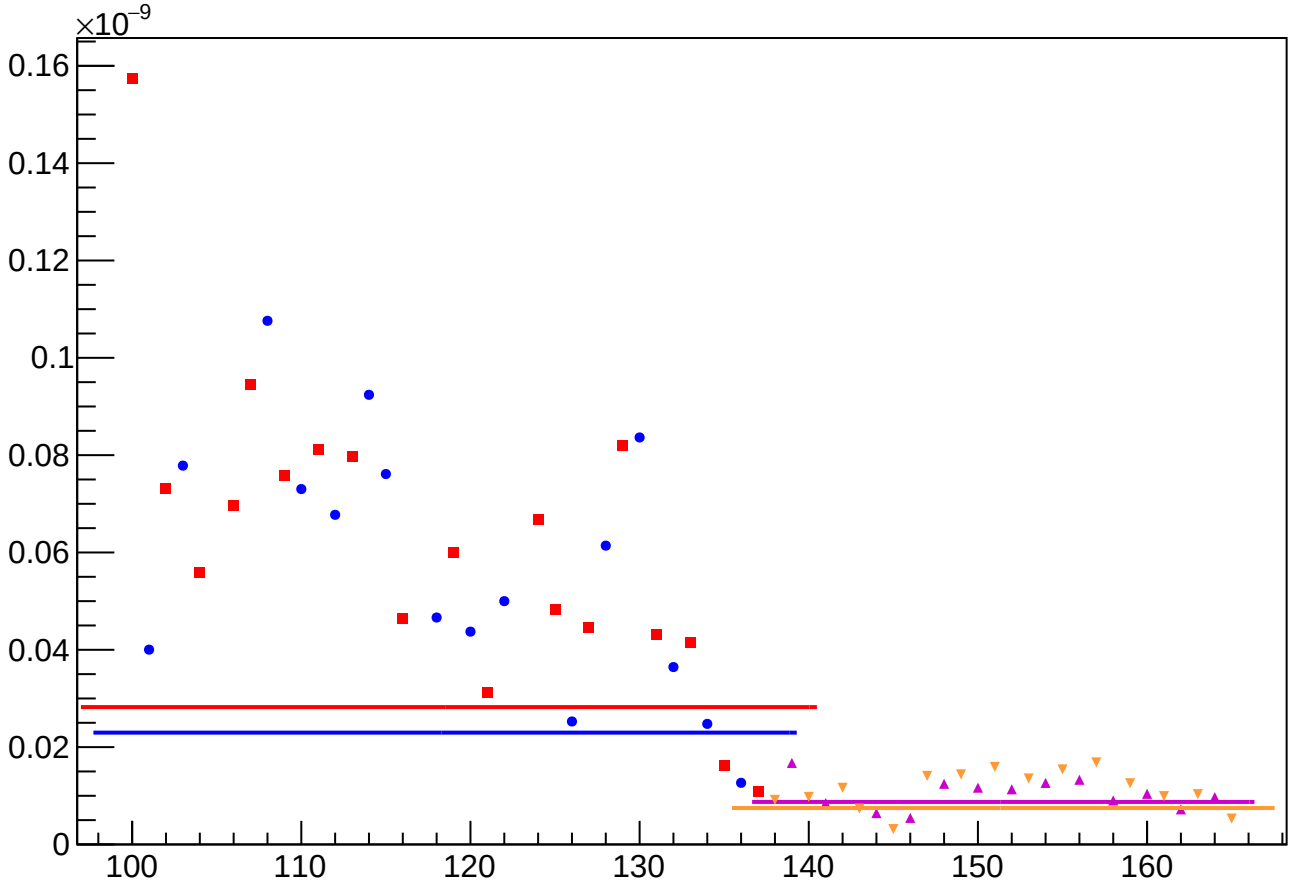
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/30

All: -0.000+/-0.000 χ^2/NDF: 77.8/62

- sign -0.000+/-0.000 χ^2/NDF: 41.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3811969.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

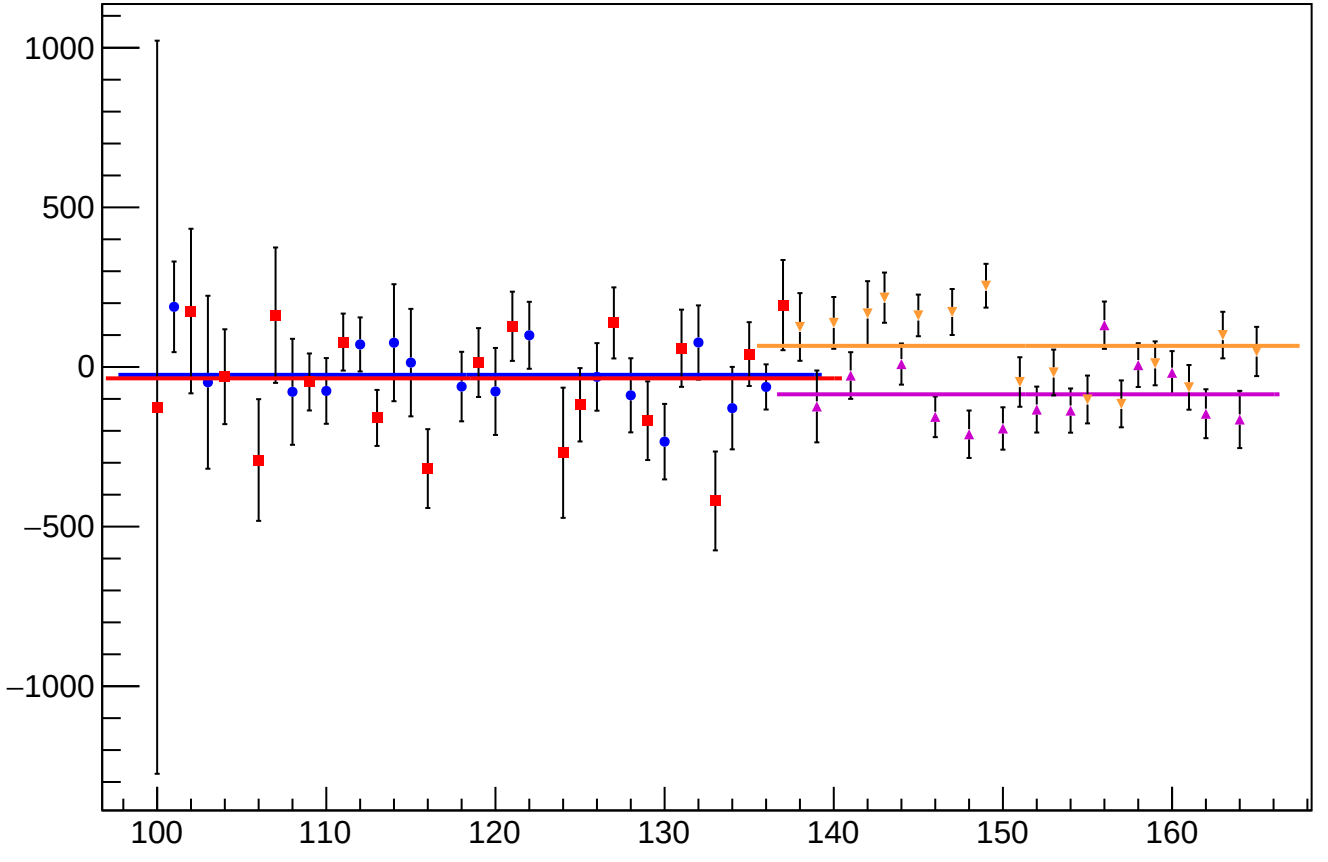
Left In: 0.000+/-0.000 χ^2/NDF:1266271.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 10251164.5/30

All: 0.000+/-0.000 χ^2/NDF: 18531222.0/62

- sign 0.000+/-0.000 χ^2/NDF: 8097201.0/31

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 66.241+/-19.474 χ^2/NDF:36.6/14

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

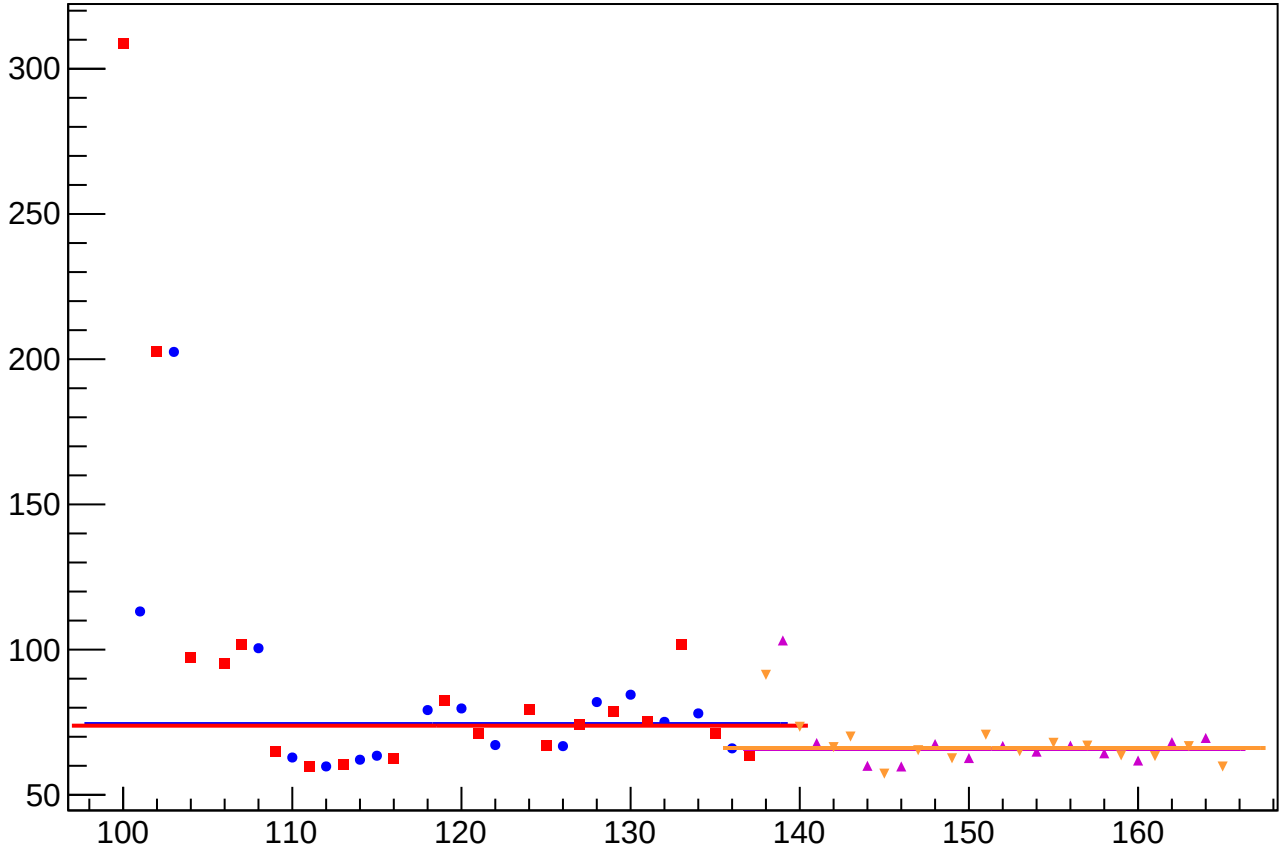
Left In: -85.547+/-20.122 χ^2/NDF:23.3/12

+ sign 37.881+/-16.152 χ^2/NDF: 54.4/30

All: -14.597+/-11.518 χ^2/NDF: 131.3/62

- sign -68.891+/-16.429 χ^2/NDF: 55.4/31

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 66.126+/-0.014 χ^2/NDF:205191.4/14

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

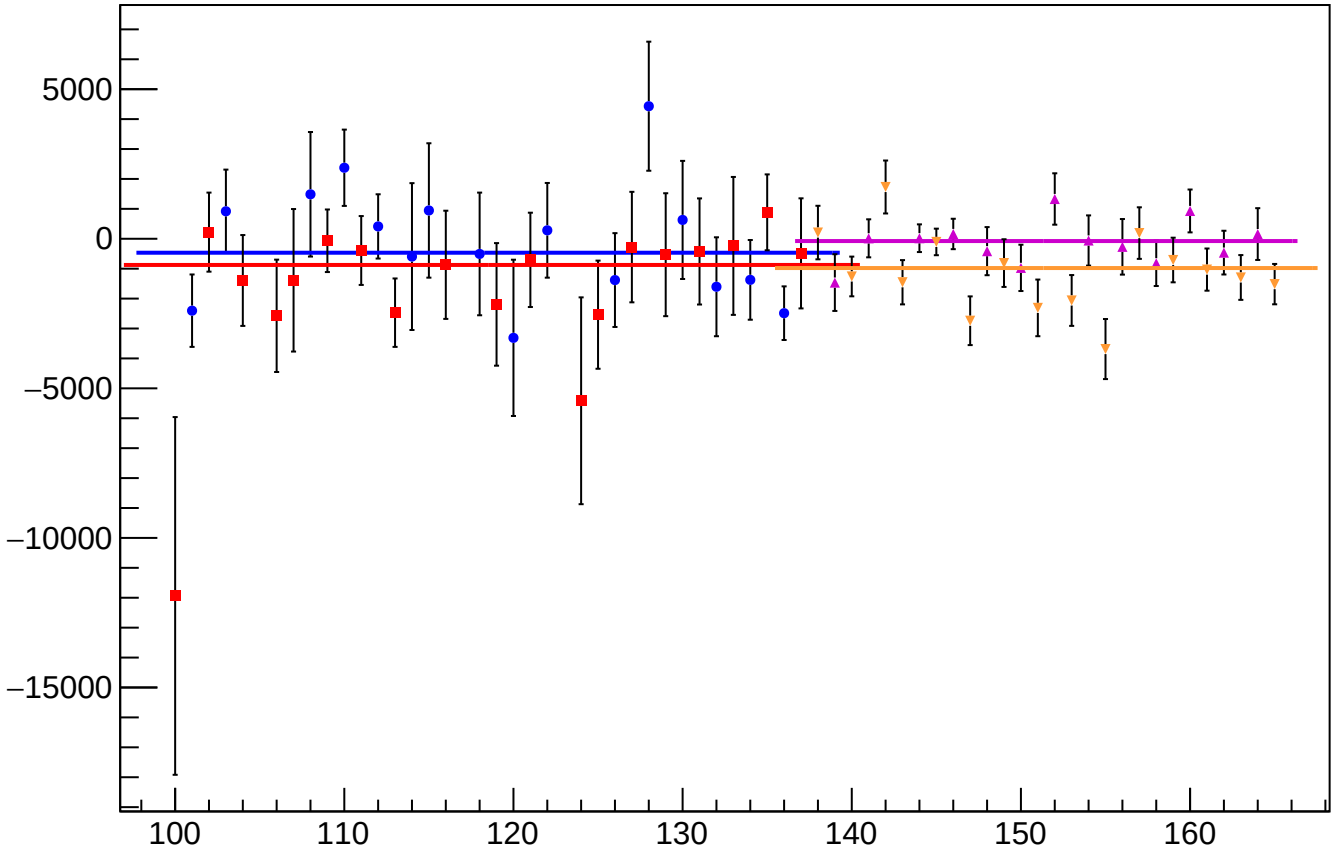
Left In: 65.785+/-0.014 χ^2/NDF:276202.3/12

+ sign 68.698+/-0.011 χ^2/NDF: 1144607.0/30

All: 68.582+/-0.008 χ^2/NDF: 2459161.7/62

- sign 68.462+/-0.012 χ^2/NDF: 1314343.2/31

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -978.808+/-190.997 χ^2/NDF:34.0/14

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

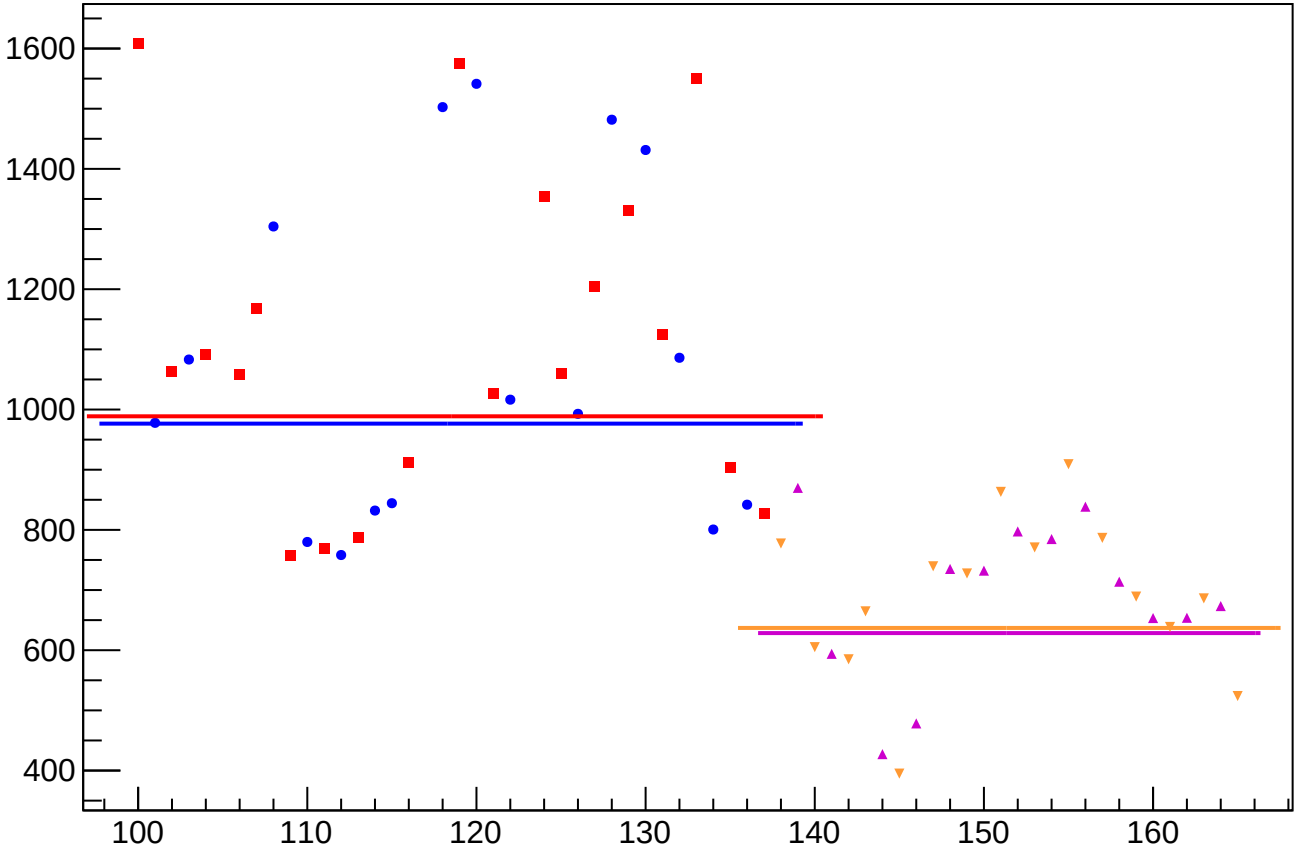
Left In: -76.399+/-195.525 χ^2/NDF:9.9/12

+ sign -873.302+/-170.196 χ^2/NDF: 59.2/30

All: -566.509+/-121.360 χ^2/NDF: 92.4/62

- sign -249.166+/-173.098 χ^2/NDF: 26.6/31

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 637.030+/-0.135 χ^2/NDF:1161506.9/14

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

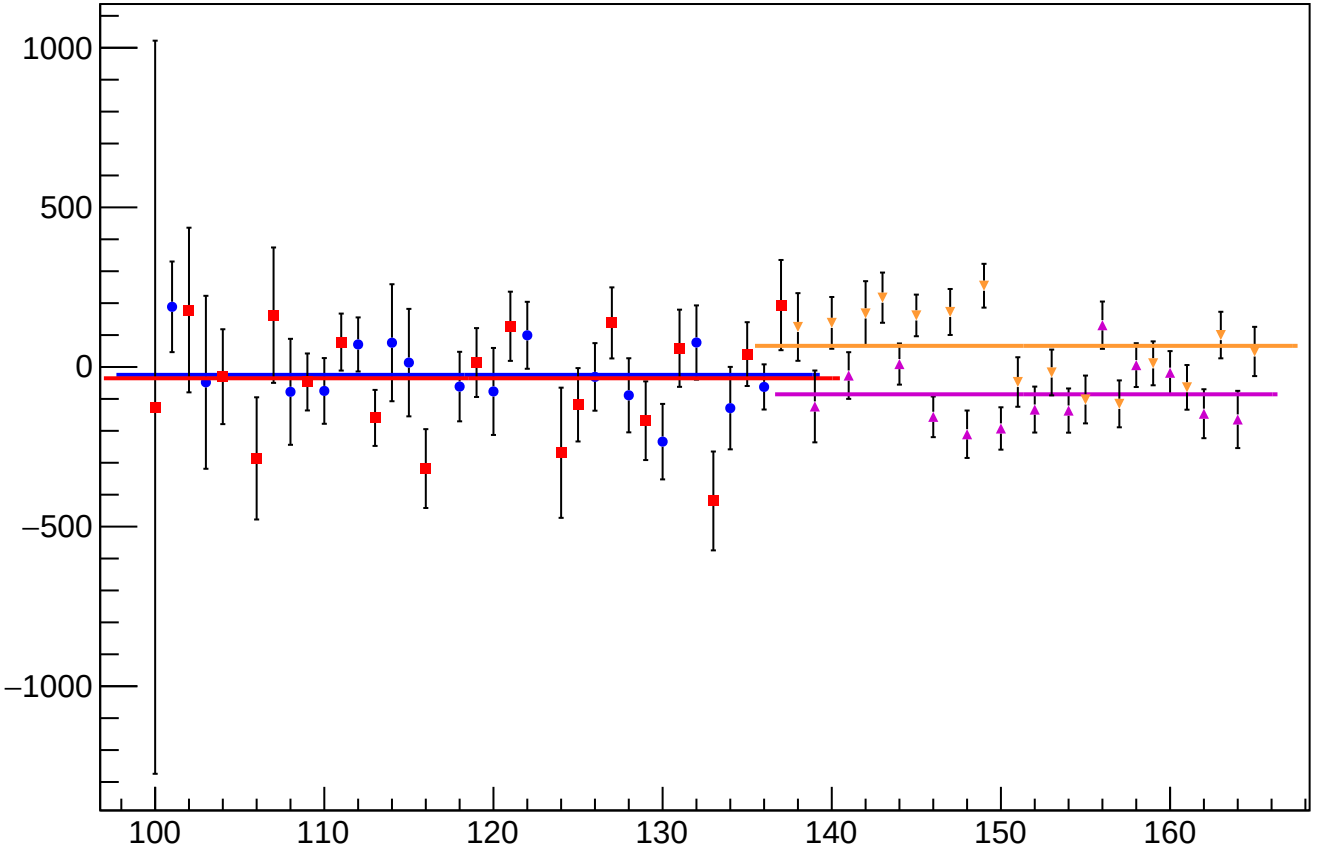
Left In: 628.468+/-0.138 χ^2/NDF:1043257.9/12

+ sign 706.962+/-0.120 χ^2/NDF: 3199953.3/30

All: 706.675+/-0.086 χ^2/NDF: 6427468.2/62

- sign 706.379+/-0.122 χ^2/NDF: 3227503.3/31

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 66.245+/-19.474 χ^2/NDF:36.6/14

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

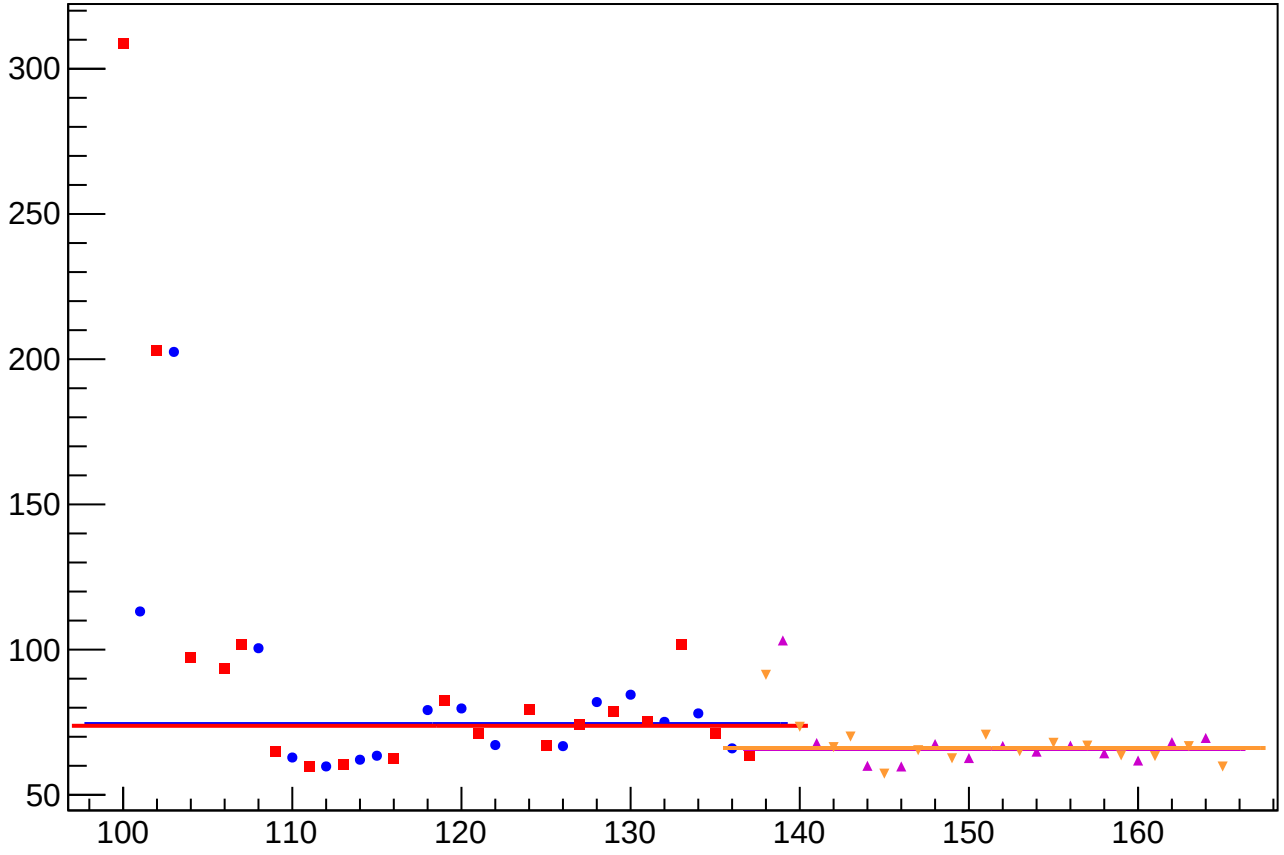
Left In: -85.548+/-20.122 χ^2/NDF:23.3/12

+ sign 37.881+/-16.152 χ^2/NDF: 54.4/30

All: -14.564+/-11.518 χ^2/NDF: 131.2/62

- sign -68.826+/-16.430 χ^2/NDF: 55.4/31

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.126+/-0.014 χ^2/NDF:205191.4/14

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

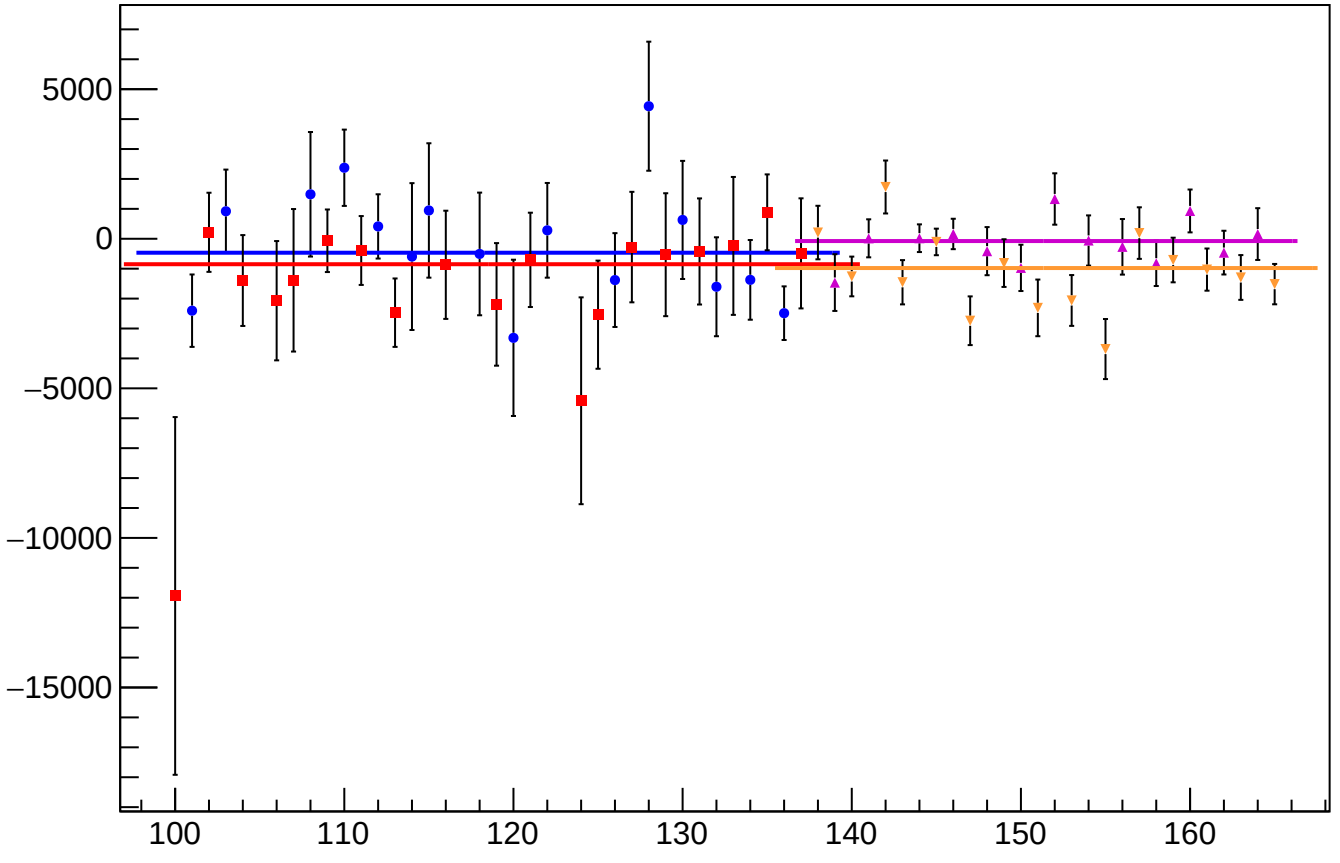
Left In: 65.785+/-0.014 χ^2/NDF:276202.2/12

+ sign 68.698+/-0.011 χ^2/NDF: 1144609.0/30

All: 68.575+/-0.008 χ^2/NDF: 2454286.4/62

- sign 68.447+/-0.012 χ^2/NDF: 1309439.6/31

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -978.806+/-190.997 χ^2/NDF:34.0/14

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

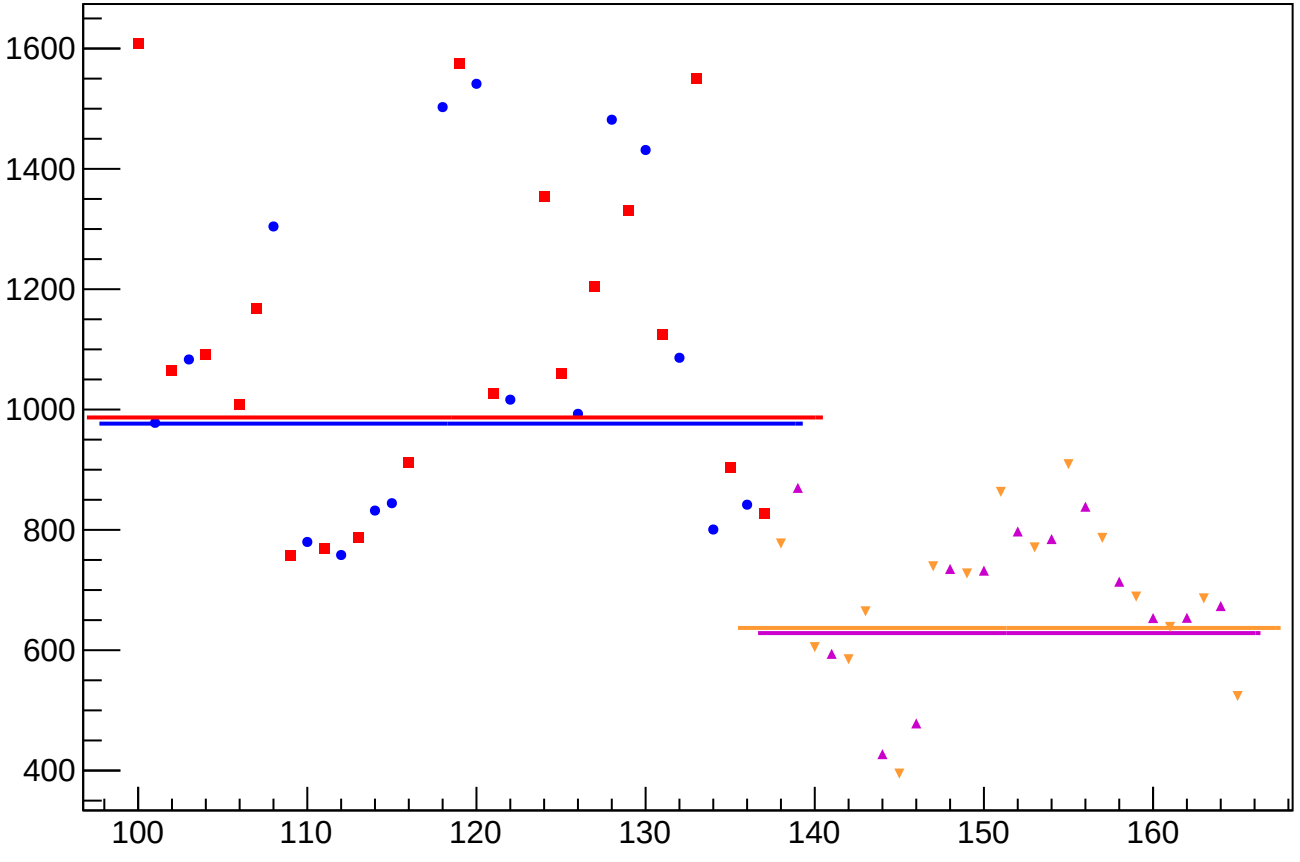
Left In: -76.400+/-195.525 χ^2/NDF:9.9/12

+ sign -873.299+/-170.197 χ^2/NDF: 59.2/30

All: -563.754+/-121.389 χ^2/NDF: 91.8/62

- sign -243.249+/-173.184 χ^2/NDF: 25.9/31

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 637.030+/-0.135 χ^2/NDF:1161506.7/14

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

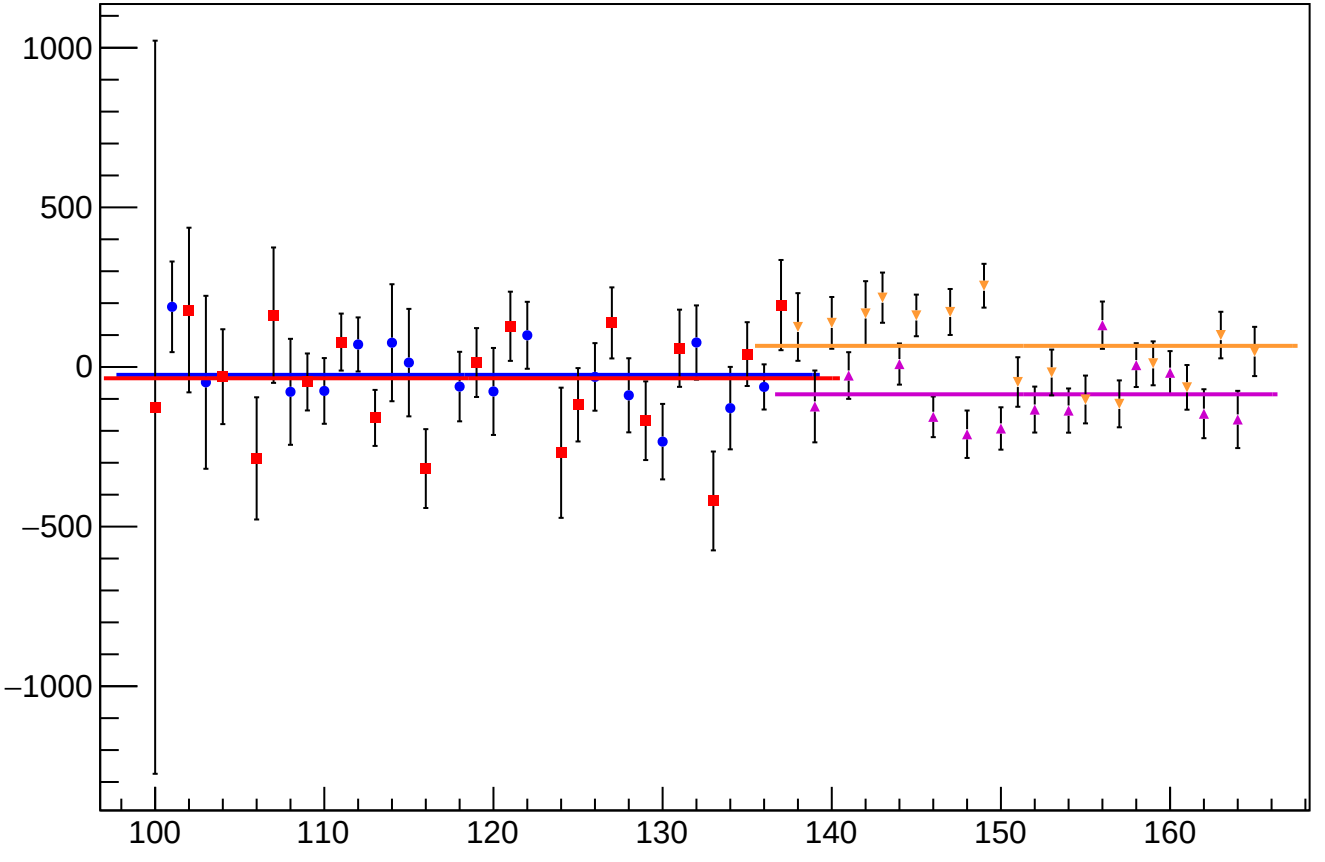
Left In: 628.468+/-0.138 χ^2/NDF:1043258.7/12

+ sign 706.962+/-0.120 χ^2/NDF: 3200008.8/30

All: 706.333+/-0.086 χ^2/NDF: 6404203.5/62

- sign 705.681+/-0.122 χ^2/NDF: 3204139.1/31

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 66.245+/-19.474 χ^2/NDF:36.6/14

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

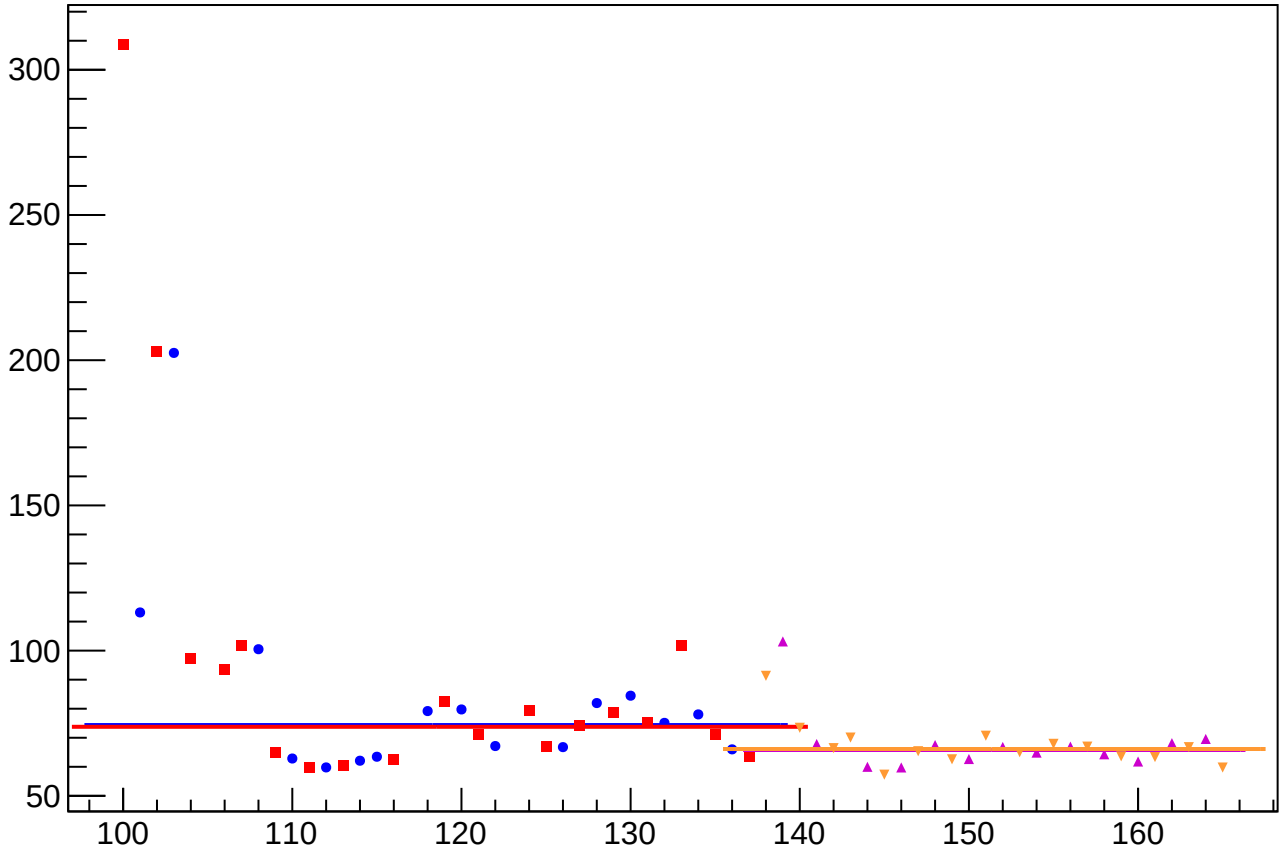
Left In: -85.548+/-20.122 χ^2/NDF:23.3/12

+ sign 37.881+/-16.152 χ^2/NDF: 54.4/30

All: -14.564+/-11.518 χ^2/NDF: 131.2/62

- sign -68.826+/-16.430 χ^2/NDF: 55.4/31

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.126+/-0.014 χ^2/NDF:205191.4/14

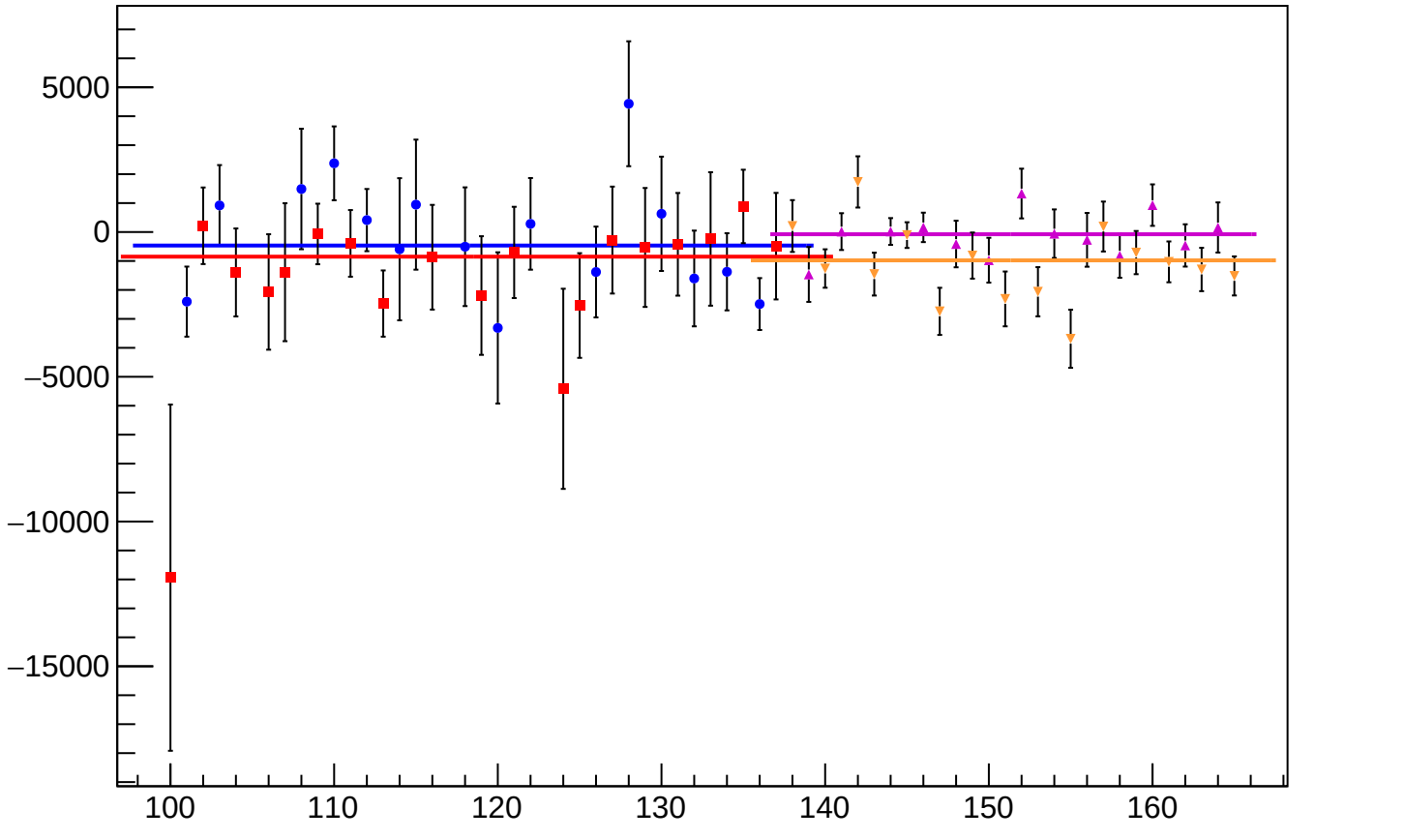
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.2/12

+ sign 68.698+/-0.011 χ^2/NDF: 1144609.0/30

All: 68.575+/-0.008 χ^2/NDF: 2454286.4/62

- sign 68.447+/-0.012 χ^2/NDF: 1309439.6/31



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -978.806+/-190.997 χ^2/NDF:34.0/14

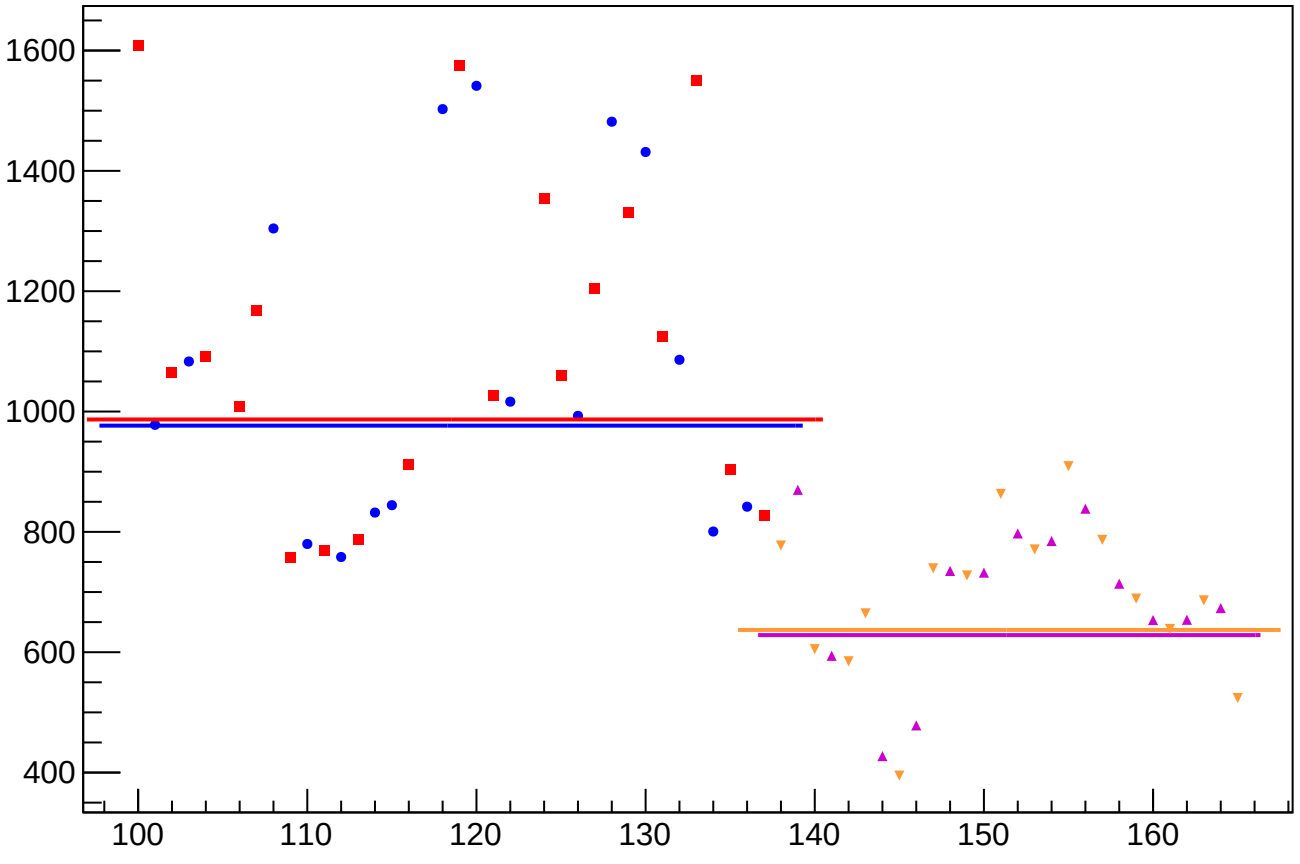
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -76.400+/-195.525 χ^2/NDF:9.9/12

+ sign -873.299+/-170.197 χ^2/NDF: 59.2/30

All: -563.754+/-121.389 χ^2/NDF: 91.8/62

- sign -243.249+/-173.184 χ^2/NDF: 25.9/31



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 637.030+/-0.135 χ^2/NDF:1161506.7/14

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

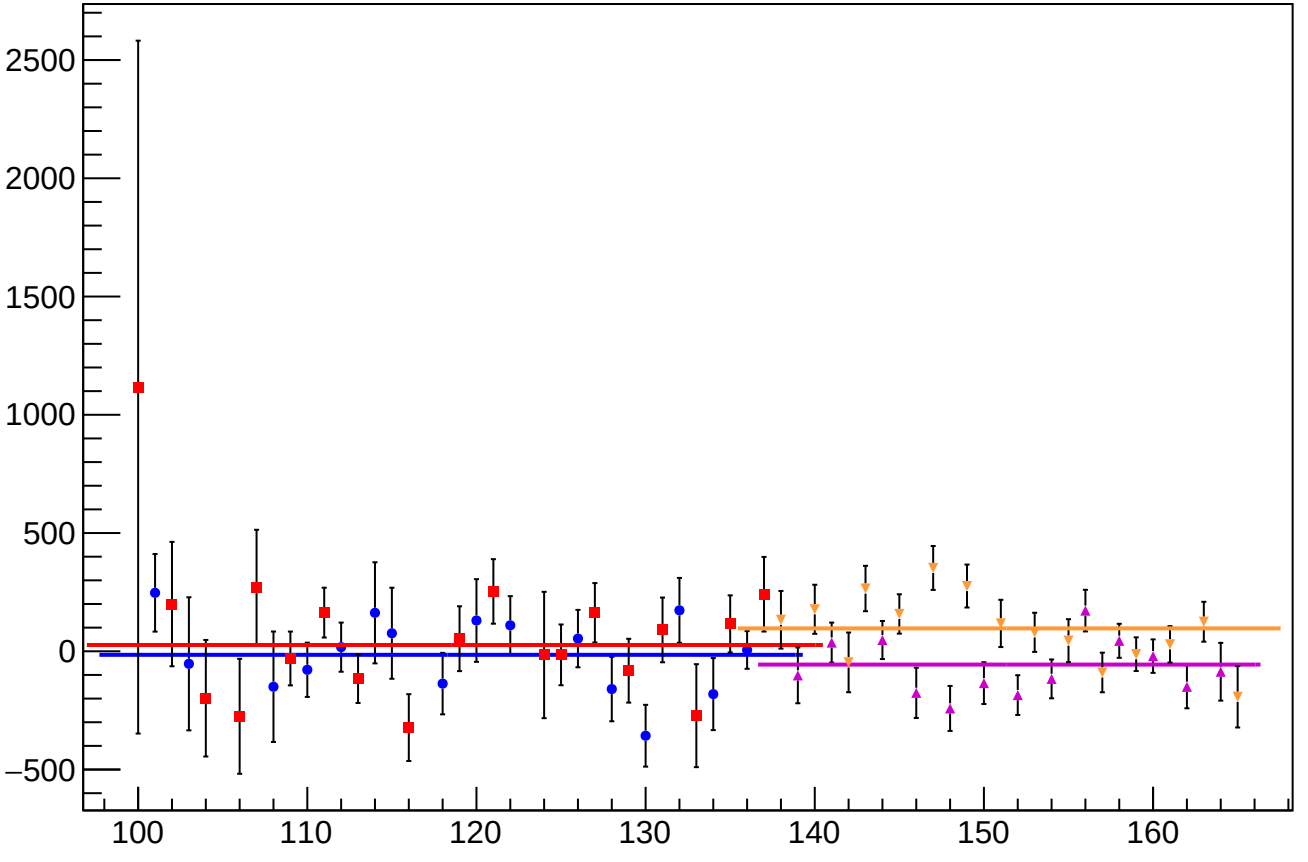
Left In: 628.468+/-0.138 χ^2/NDF:1043258.7/12

+ sign 706.962+/-0.120 χ^2/NDF: 3200008.8/30

All: 706.333+/-0.086 χ^2/NDF: 6404203.5/62

- sign 705.681+/-0.122 χ^2/NDF: 3204139.1/31

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 96.848+/-23.639 χ^2/NDF:30.6/14

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

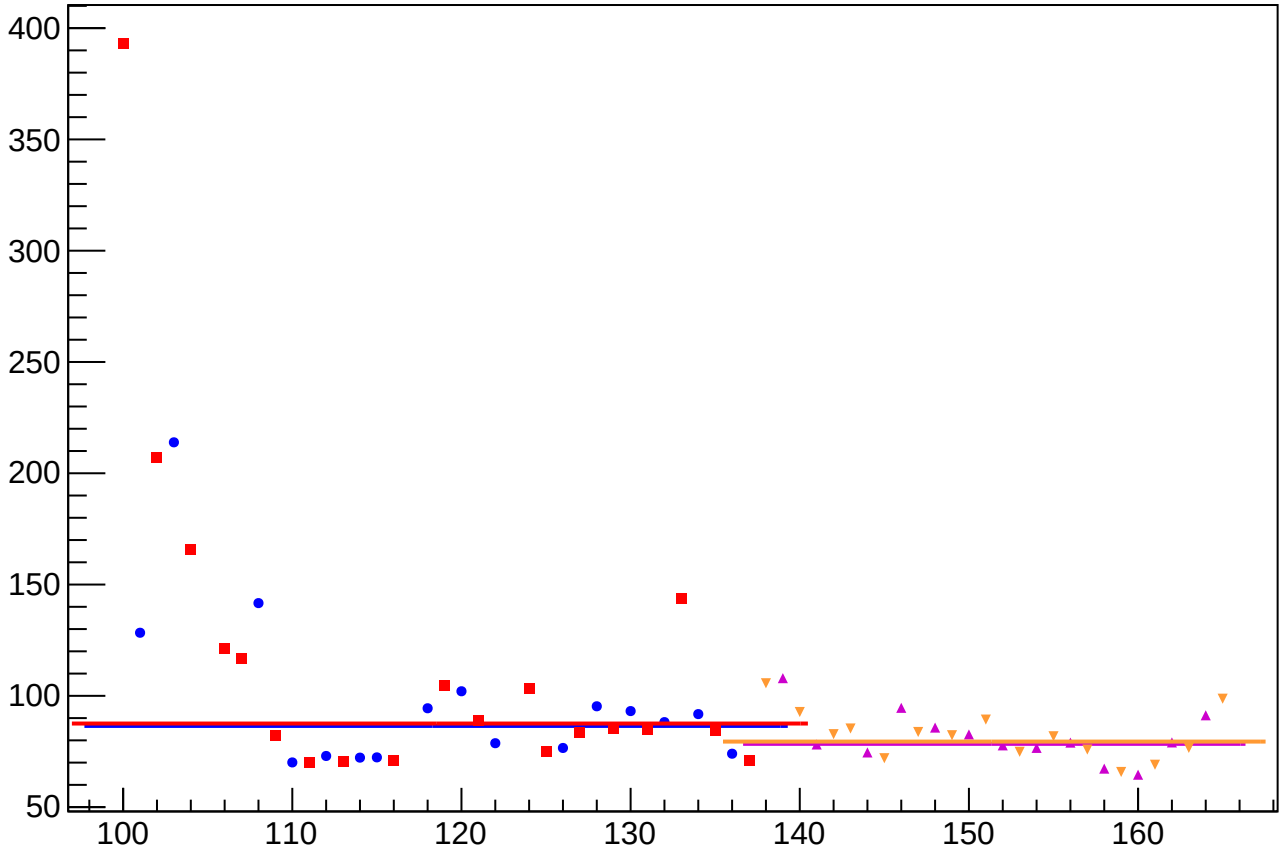
Left In: -56.183+/-24.303 χ^2/NDF:21.8/12

+ sign 60.067+/-19.364 χ^2/NDF: 56.2/30

All: 16.859+/-13.839 χ^2/NDF: 115.8/62

- sign -28.251+/-19.786 χ^2/NDF: 49.4/31

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 79.448+/-0.017 χ^2/NDF:343637.7/14

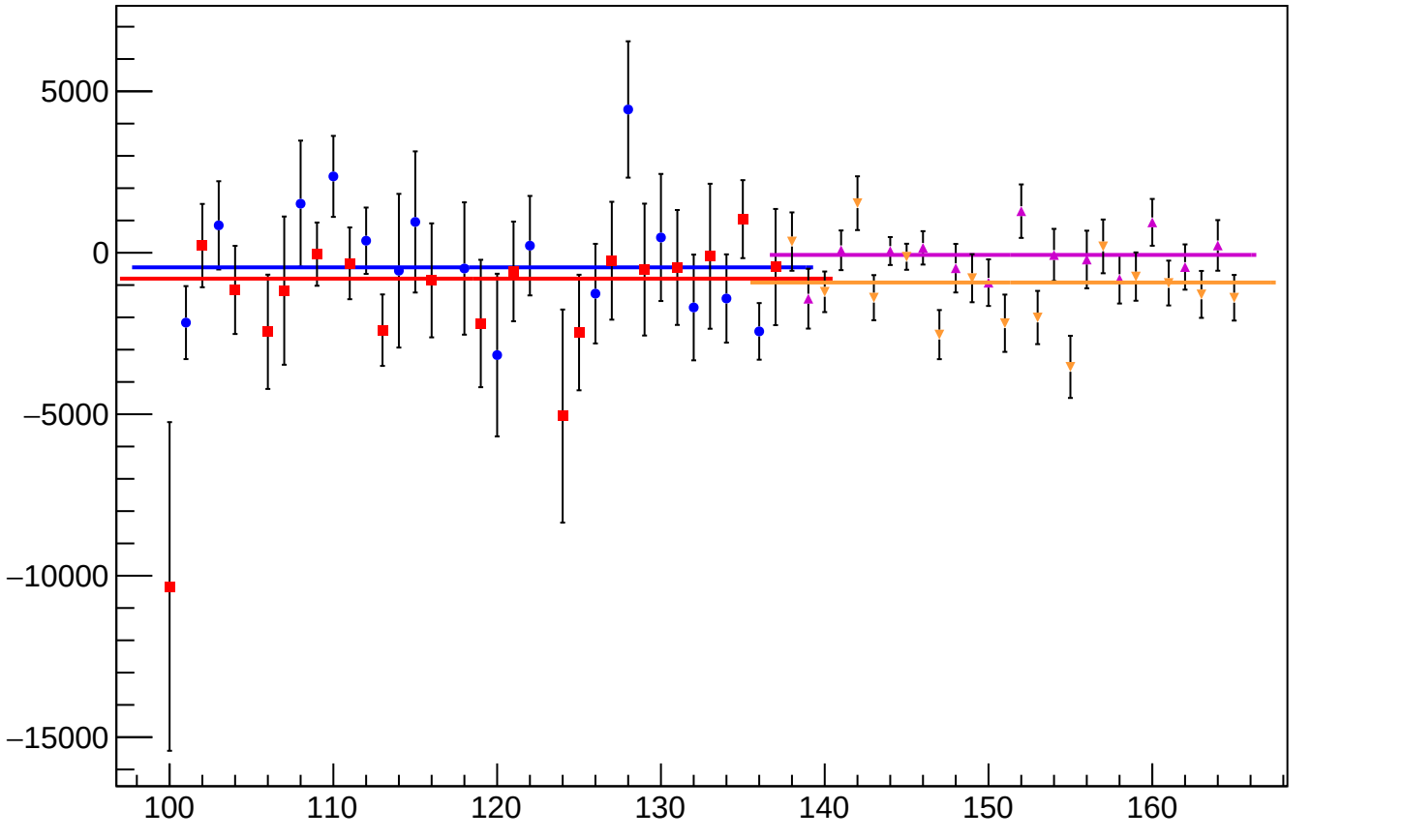
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 78.431+/-0.017 χ^2/NDF:340589.1/12

+ sign 81.764+/-0.014 χ^2/NDF: 1258275.1/30

All: 81.638+/-0.010 χ^2/NDF: 2823879.3/62

- sign 81.507+/-0.014 χ^2/NDF: 1565432.1/31



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -920.567+/-182.715 χ^2/NDF:33.4/14

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

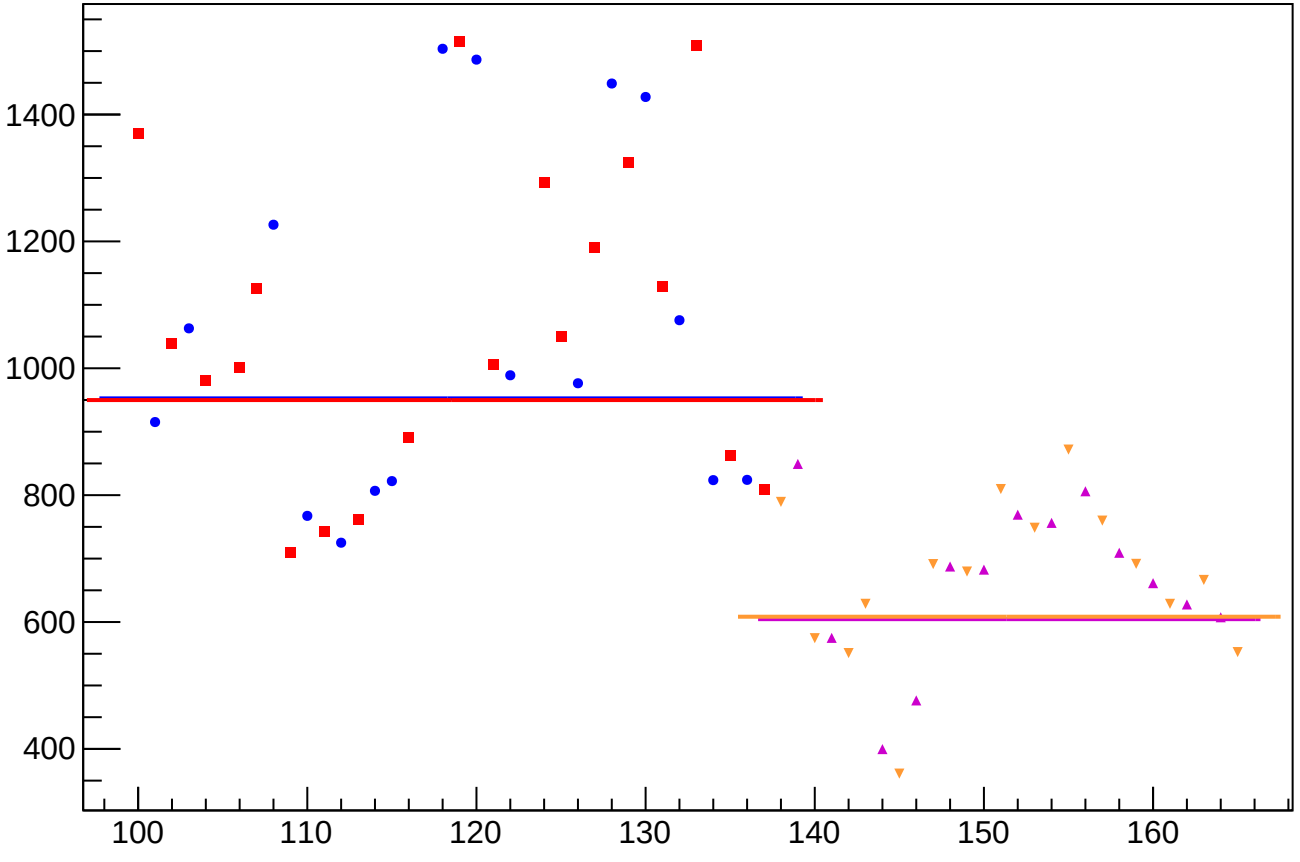
Left In: -66.517+/-188.451 χ^2/NDF:10.2/12

+ sign -826.801+/-163.441 χ^2/NDF: 58.5/30

All: -532.420+/-116.721 χ^2/NDF: 92.2/62

- sign -226.018+/-166.744 χ^2/NDF: 27.1/31

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 608.377+/-0.129 χ^2/NDF:1320356.6/14

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

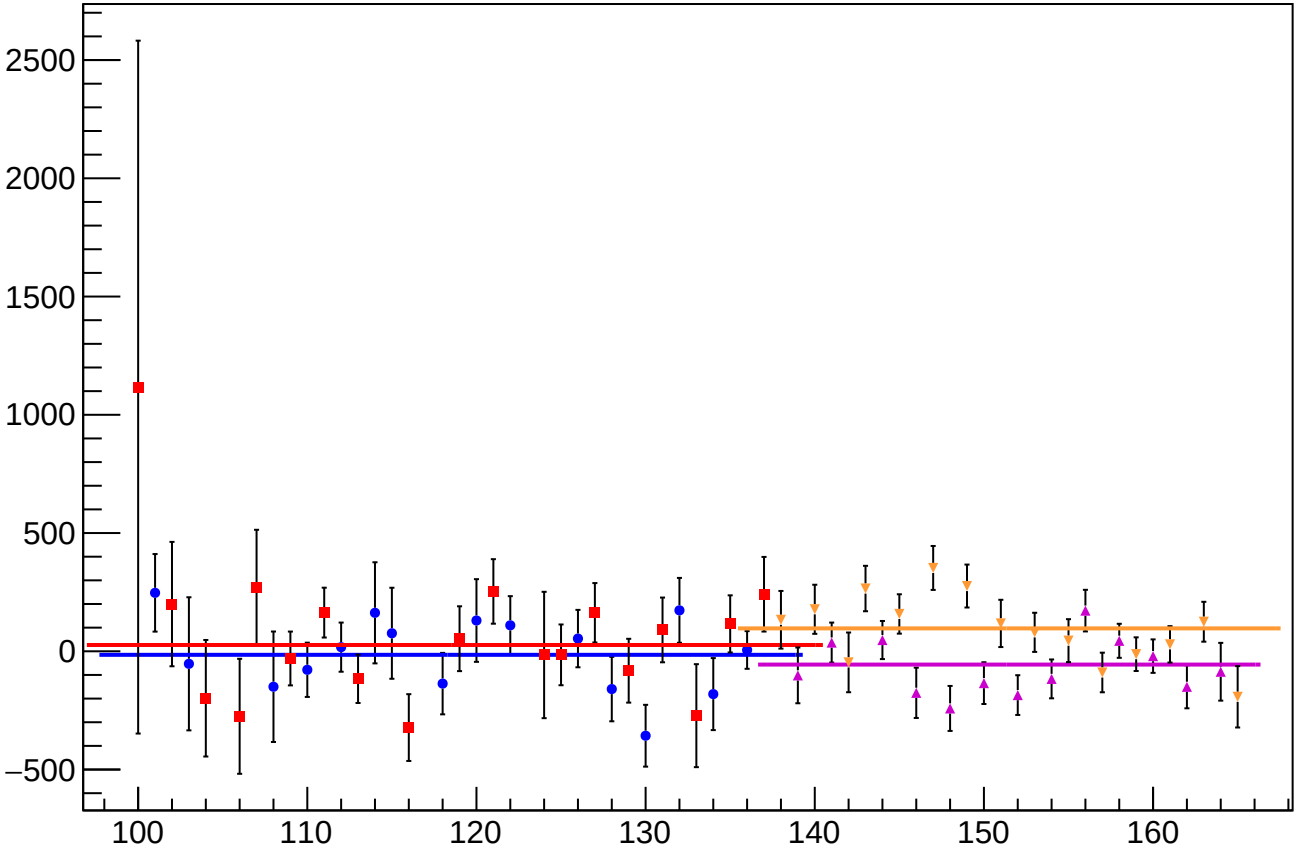
Left In: 604.534+/-0.133 χ^2/NDF:1067643.0/12

\+ sign 677.159+/-0.116 χ^2/NDF: 3484895.4/30

All: 678.312+/-0.083 χ^2/NDF: 6762667.2/62

\- sign 679.512+/-0.118 χ^2/NDF: 3277568.7/31

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 96.850+/-23.639 χ^2/NDF:30.6/14

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

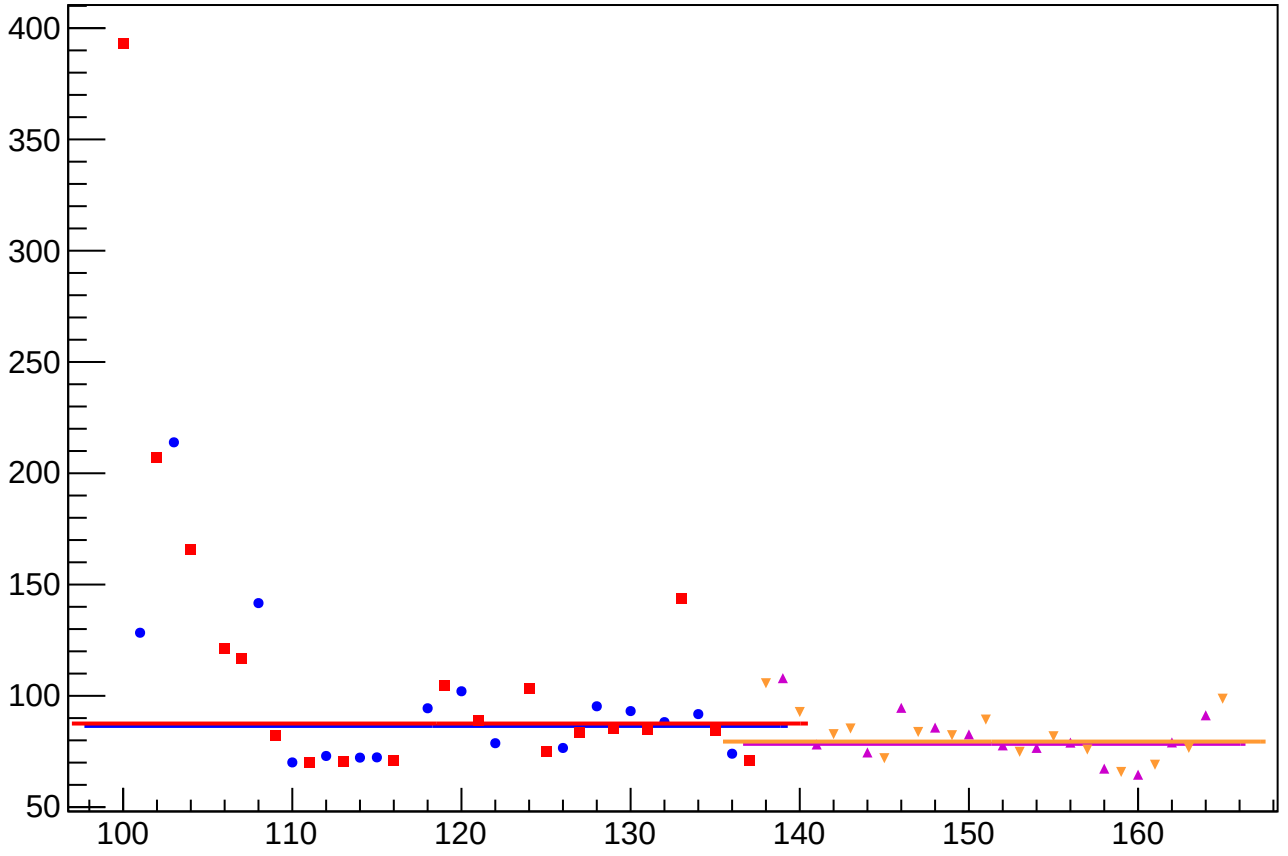
Left In: -56.183+/-24.303 χ^2/NDF:21.8/12

+ sign 60.068+/-19.364 χ^2/NDF: 56.2/30

All: 16.860+/-13.839 χ^2/NDF: 115.8/62

- sign -28.249+/-19.786 χ^2/NDF: 49.4/31

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 79.448+/-0.017 χ^2/NDF:343640.4/14

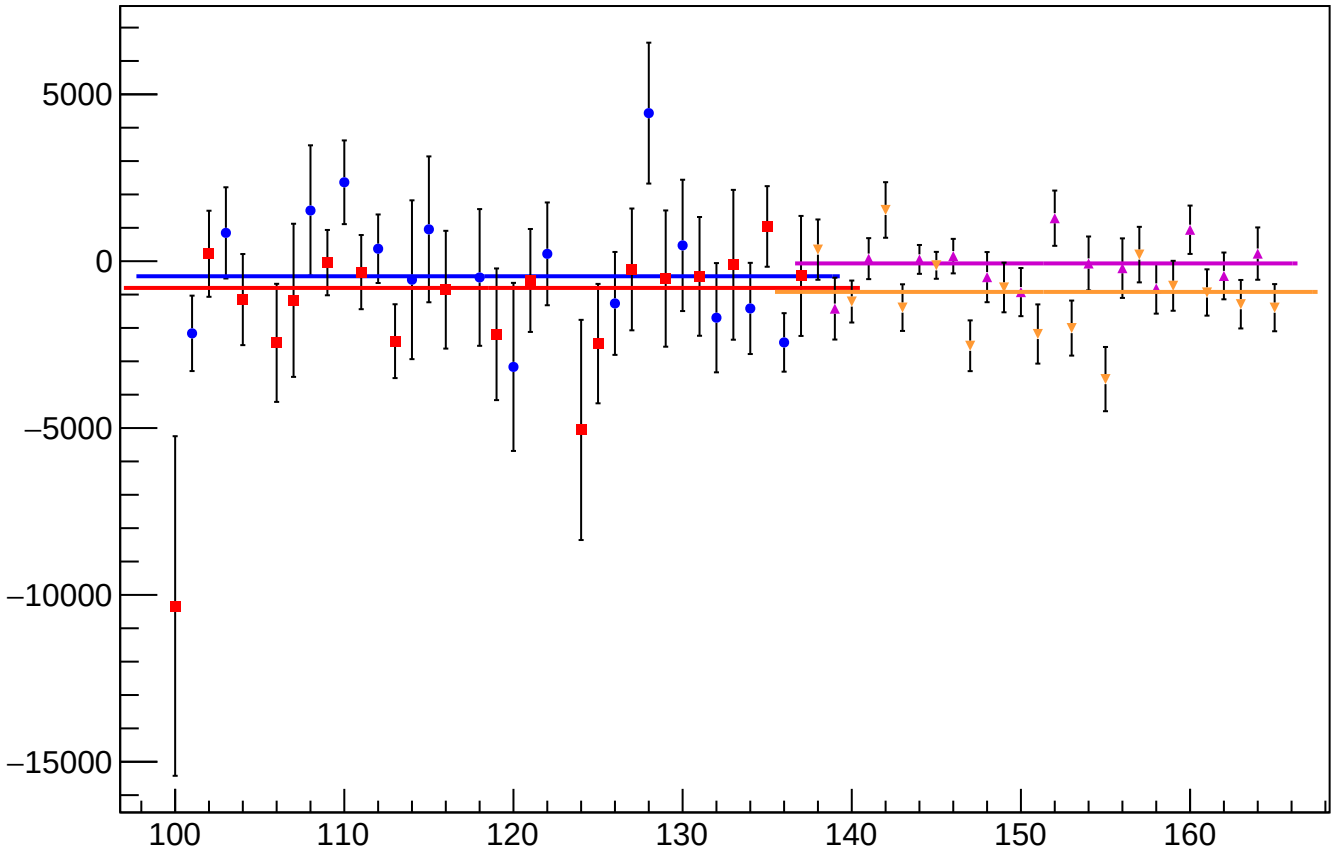
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 78.431+/-0.017 χ^2/NDF:340594.8/12

+ sign 81.764+/-0.014 χ^2/NDF: 1258269.9/30

All: 81.639+/-0.010 χ^2/NDF: 2823880.7/62

- sign 81.508+/-0.014 χ^2/NDF: 1565438.7/31



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -920.566+/-182.715 χ^2/NDF:33.4/14

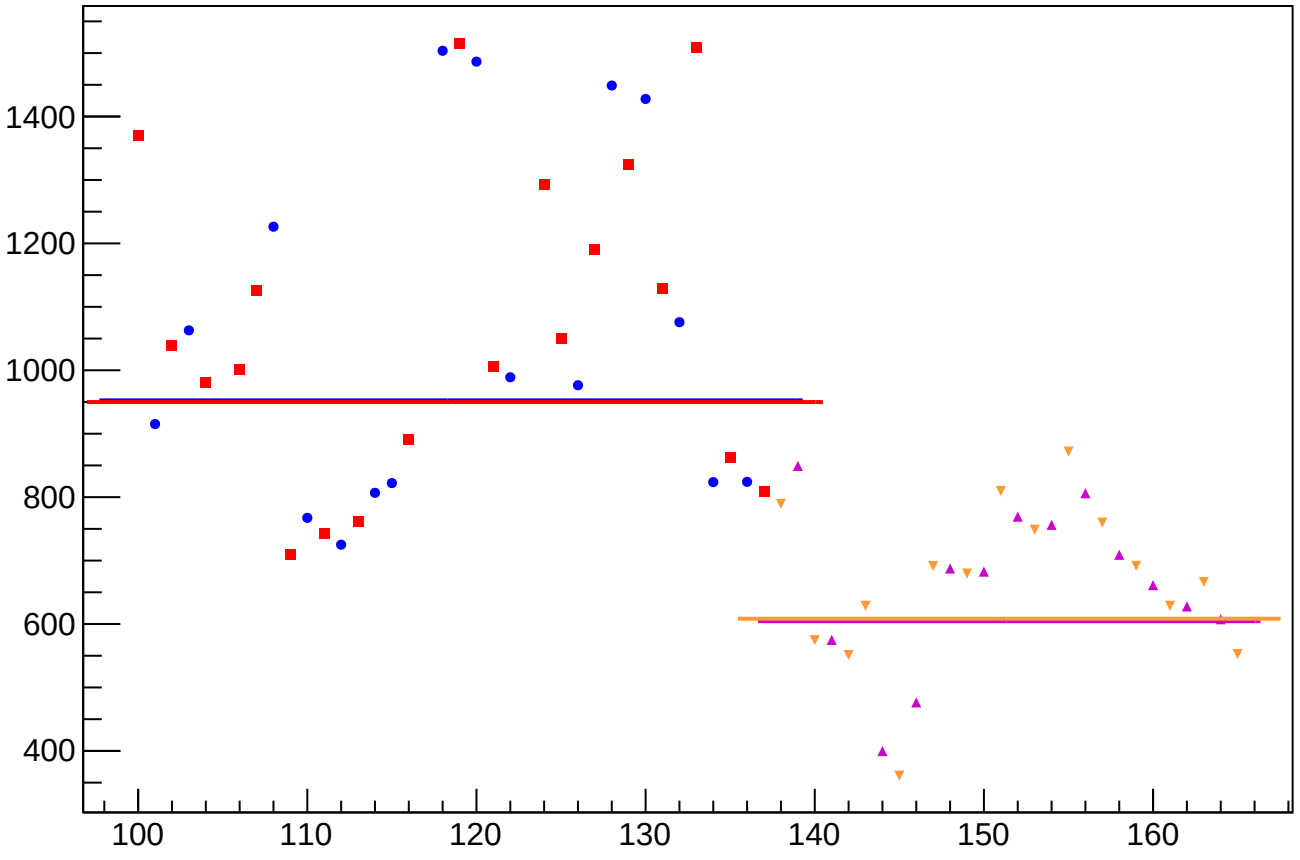
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -66.516+/-188.451 χ^2/NDF:10.2/12

+ sign -826.800+/-163.441 χ^2/NDF: 58.5/30

All: -532.419+/-116.721 χ^2/NDF: 92.2/62

- sign -226.018+/-166.744 χ^2/NDF: 27.1/31



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 608.376+/-0.129 χ^2/NDF:1320357.5/14

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

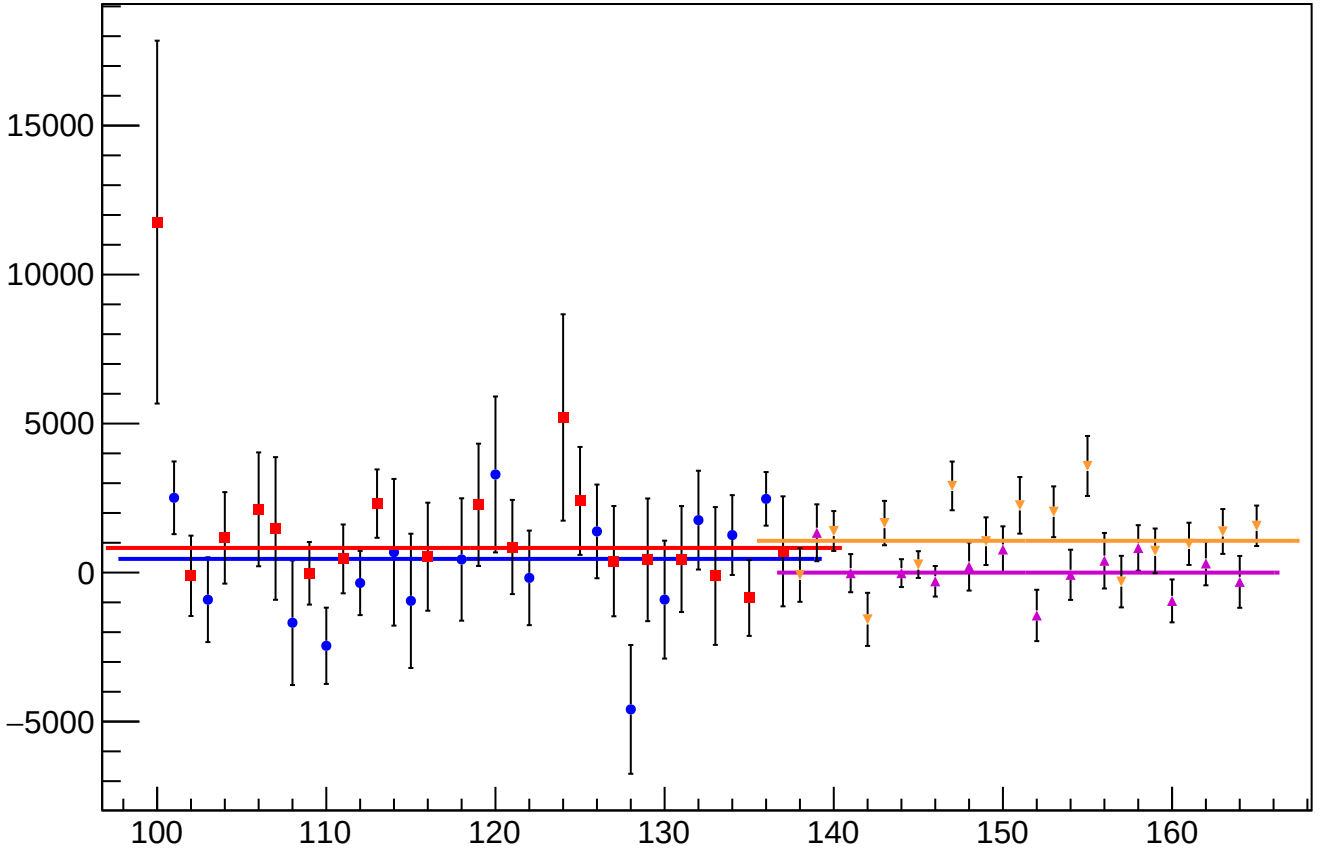
Left In: 604.534+/-0.133 χ^2/NDF:1067642.4/12

+ sign 677.158+/-0.116 χ^2/NDF: 3484895.4/30

All: 678.311+/-0.083 χ^2/NDF: 6762661.1/62

- sign 679.511+/-0.118 χ^2/NDF: 3277562.6/31

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1066.313+/-192.195 χ^2/NDF:32.0/14

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

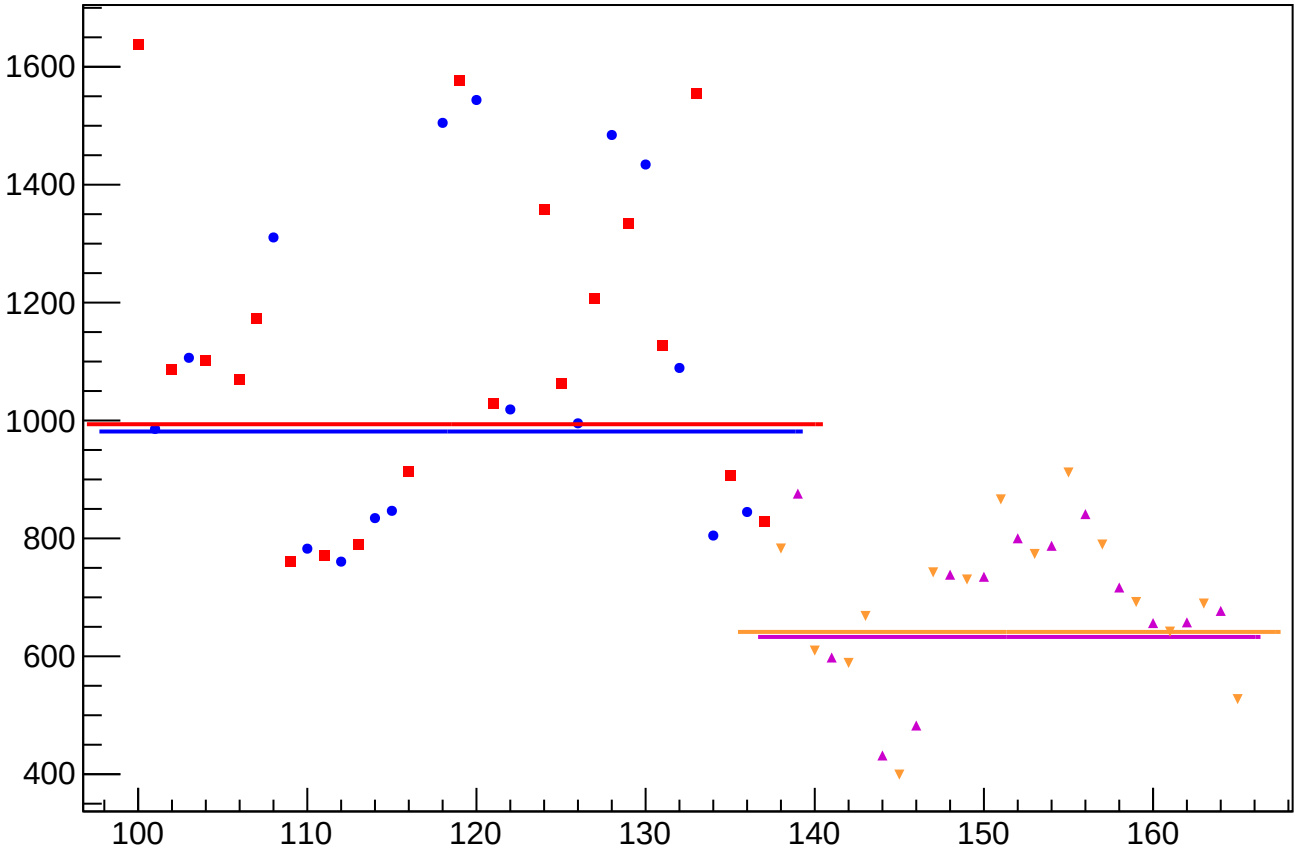
Left In: -1.270+/-196.774 χ^2/NDF:9.5/12

+ sign 940.996+/-171.216 χ^2/NDF: 58.7/30

All: 566.024+/-122.098 χ^2/NDF: 93.5/62

- sign 178.017+/-174.167 χ^2/NDF: 25.0/31

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 641.365+/-0.136 χ^2/NDF:1136832.5/14

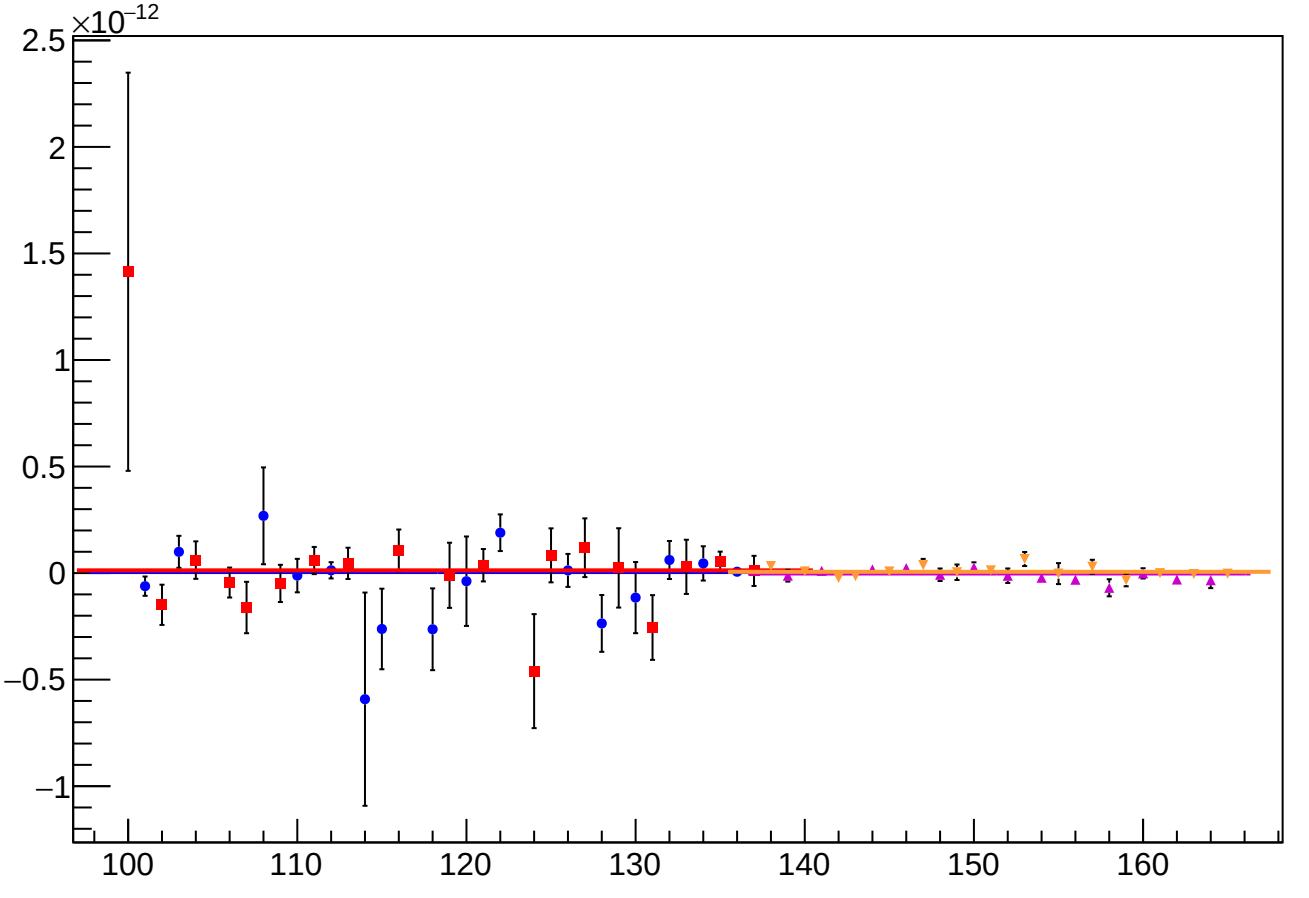
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 632.820+/-0.139 χ^2/NDF:1022226.7/12

+ sign 711.536+/-0.121 χ^2/NDF: 3166159.8/30

All: 711.261+/-0.086 χ^2/NDF: 6365006.6/62

- sign 710.976+/-0.123 χ^2/NDF: 3198836.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/14

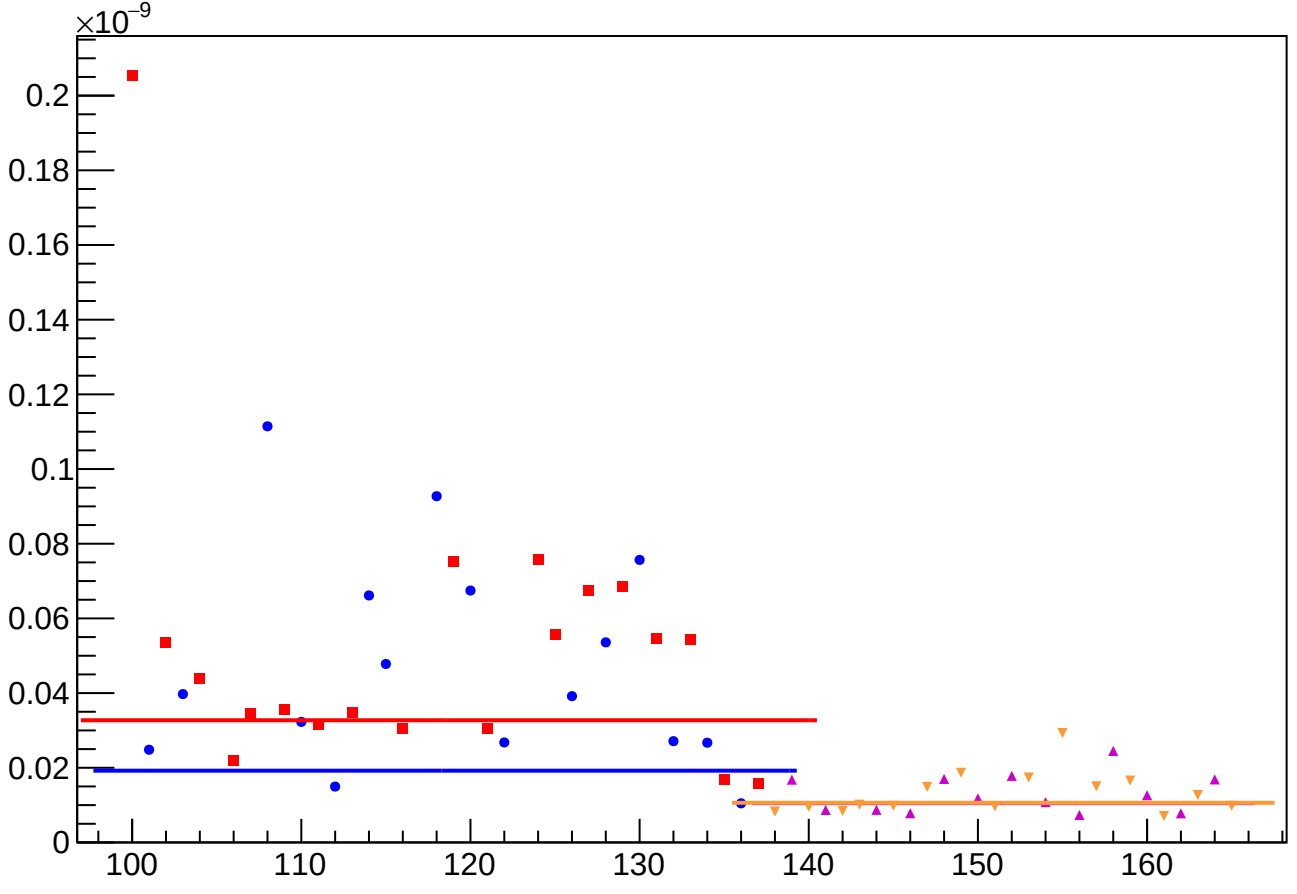
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 32.1/30

All: 0.000+/-0.000 χ^2/NDF: 67.2/62

- sign -0.000+/-0.000 χ^2/NDF: 34.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:838884.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

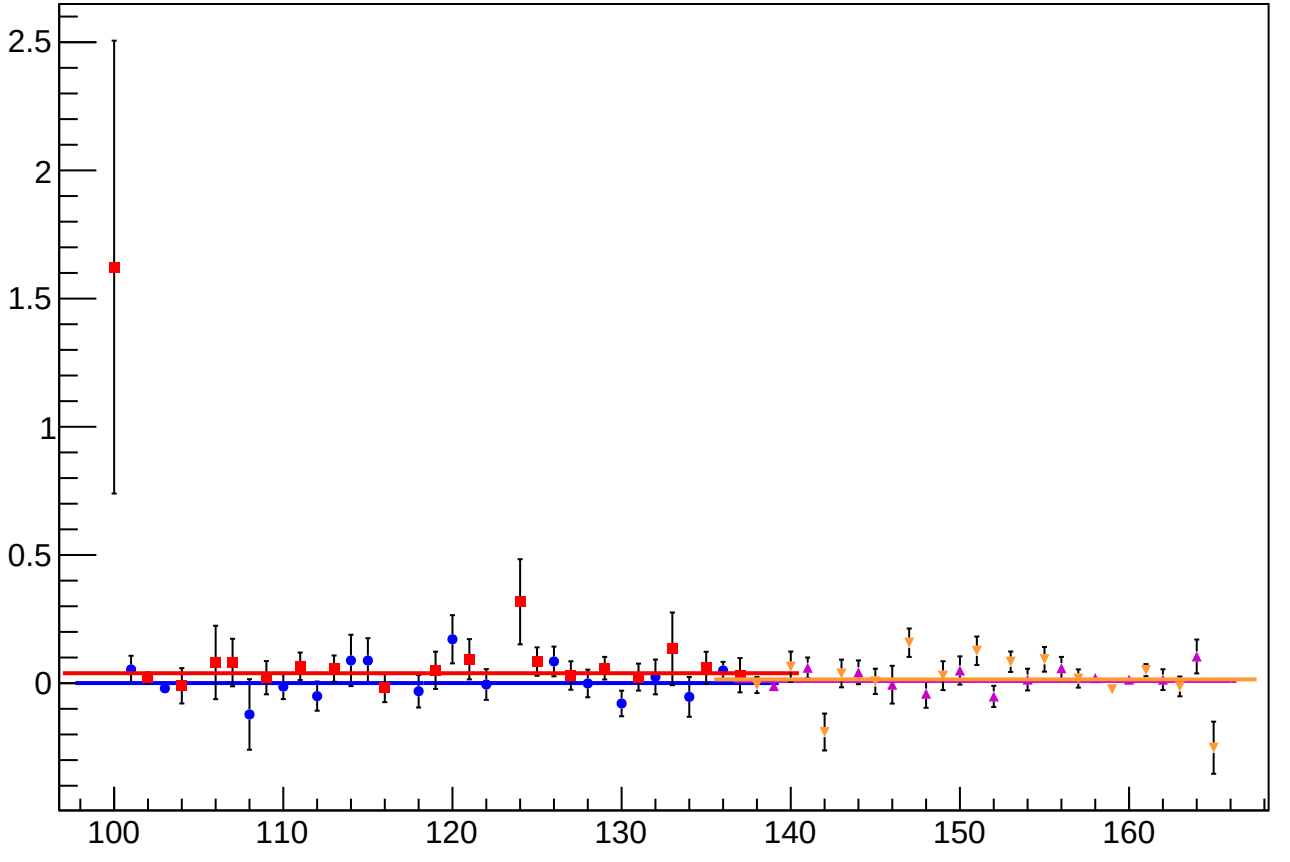
Left In: 0.000+/-0.000 χ^2/NDF:822303.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 3431321.2/30

All: 0.000+/-0.000 χ^2/NDF: 7556130.7/62

- sign 0.000+/-0.000 χ^2/NDF: 4117650.2/31

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: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

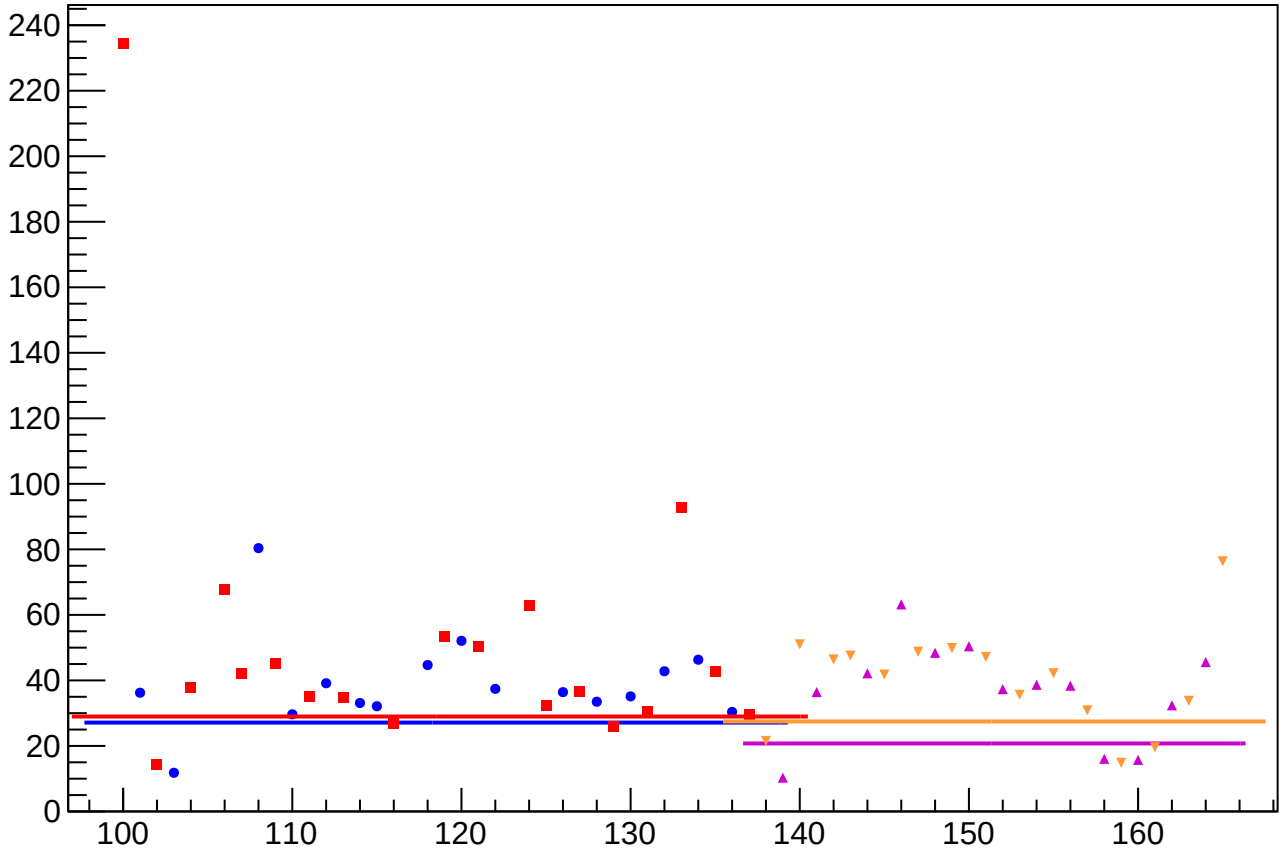
Left In: 0.009+/-0.008 χ^2/NDF:11.8/12

+ sign 0.009+/-0.007 χ^2/NDF: 58.5/30

All: 0.014+/-0.005 χ^2/NDF: 86.0/62

- sign 0.017+/-0.007 χ^2/NDF: 26.9/31

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: 27.460+/-0.007 χ^2/NDF:4037920.6/14

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

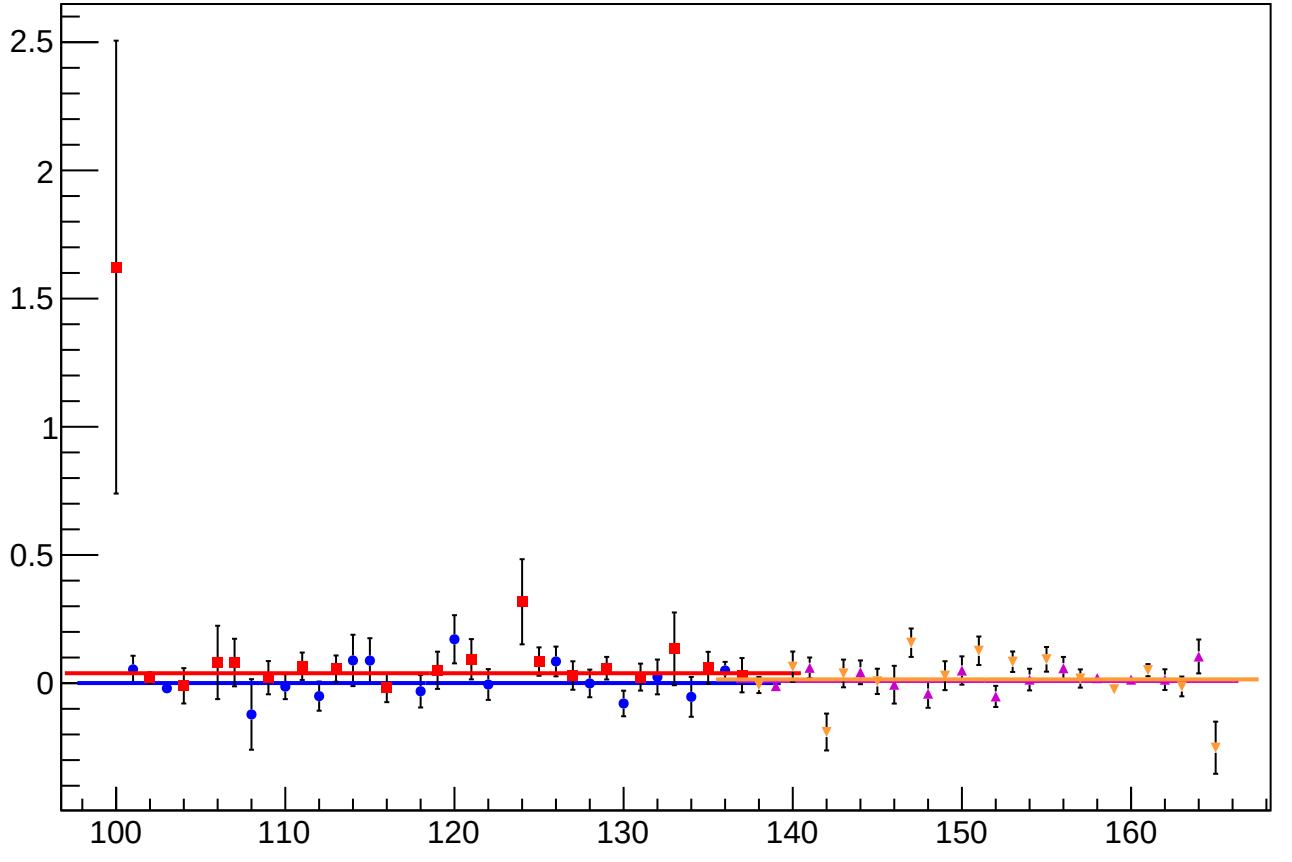
Left In: 20.750+/-0.006 χ^2/NDF:5435580.2/12

\+ sign 27.334+/-0.005 χ^2/NDF: 6454183.6/30

All: 24.959+/-0.004 χ^2/NDF: 15329952.9/62

\- sign 23.038+/-0.005 χ^2/NDF: 8504148.3/31

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: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

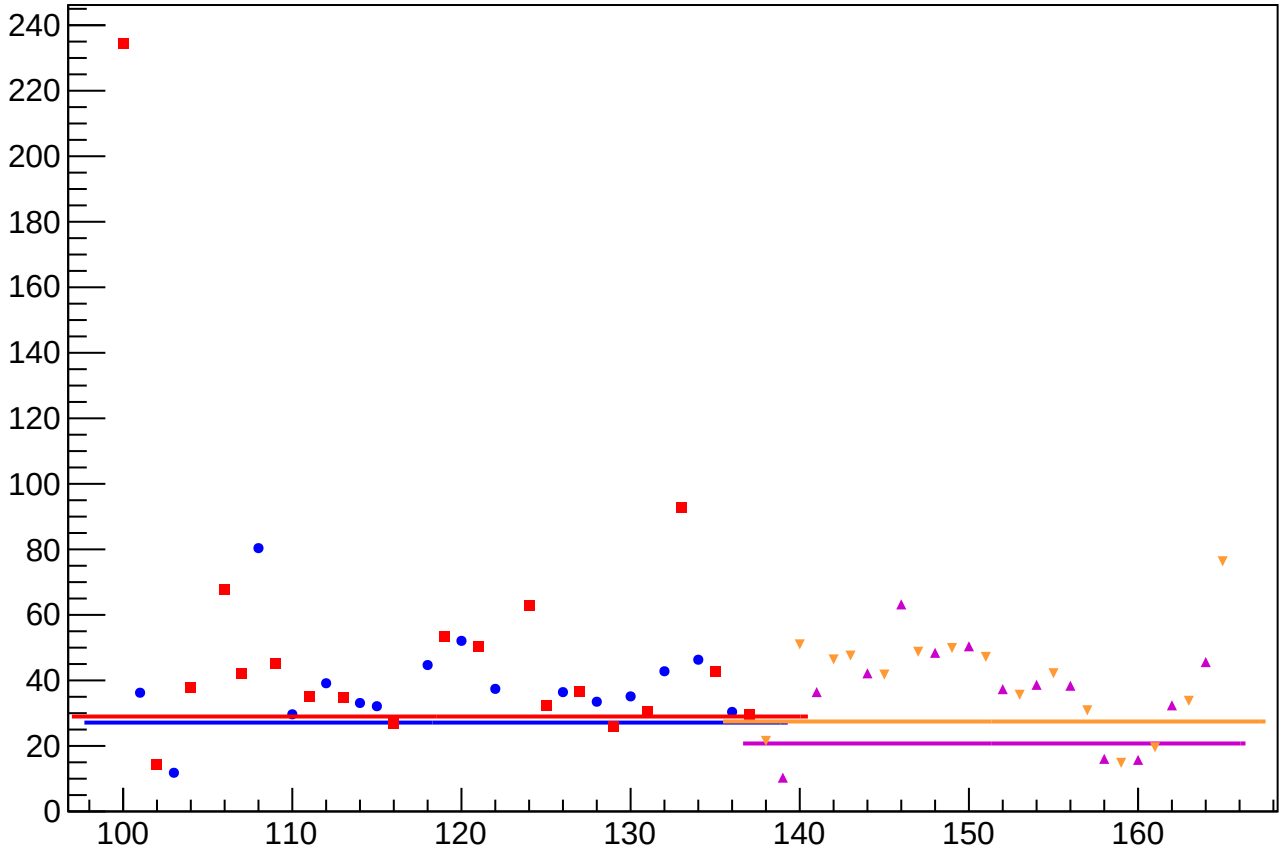
Left In: 0.009+/-0.008 χ^2/NDF:11.8/12

+ sign 0.009+/-0.007 χ^2/NDF: 58.5/30

All: 0.014+/-0.005 χ^2/NDF: 86.0/62

- sign 0.017+/-0.007 χ^2/NDF: 26.9/31

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: 27.460+/-0.007 χ^2/NDF:4037920.6/14

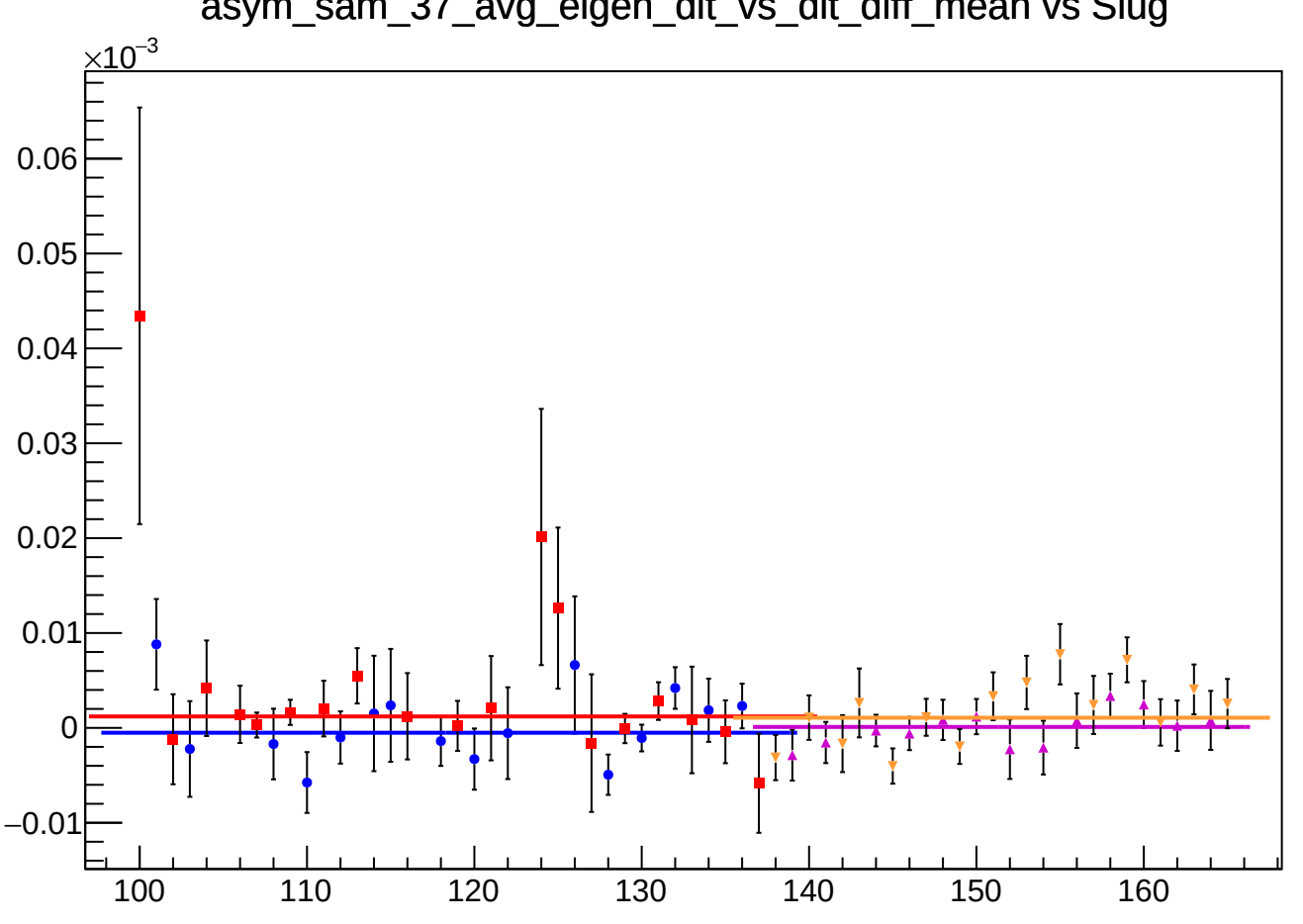
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.750+/-0.006 χ^2/NDF:5435580.2/12

\+ sign 27.334+/-0.005 χ^2/NDF: 6454183.6/30

All: 24.959+/-0.004 χ^2/NDF: 15329952.9/62

\- sign 23.038+/-0.005 χ^2/NDF: 8504148.3/31



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

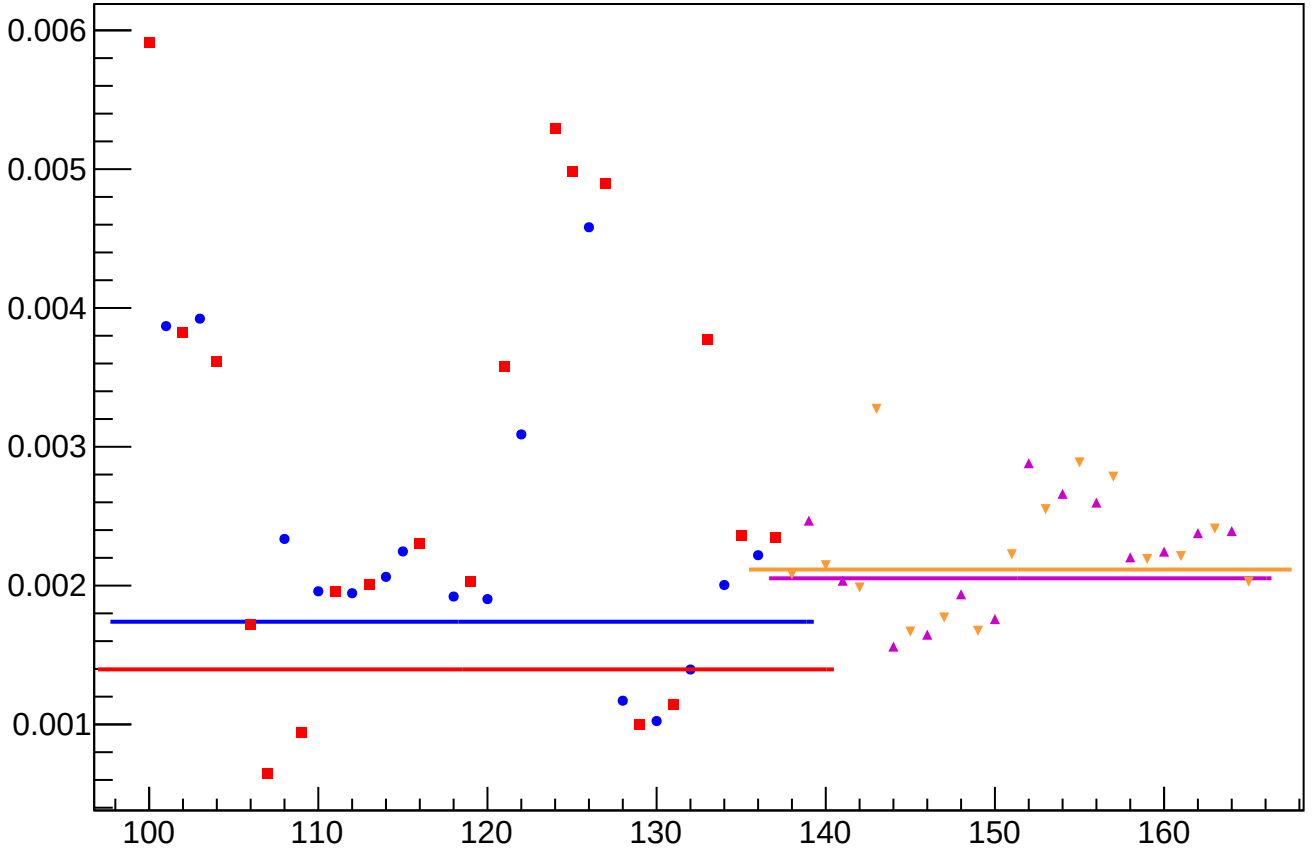
Left In: 0.000+/-0.000 χ^2/NDF:6.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 52.6/30

All: 0.000+/-0.000 χ^2/NDF: 75.5/62

- sign 0.000+/-0.000 χ^2/NDF: 22.8/31

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:799601.3/14

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

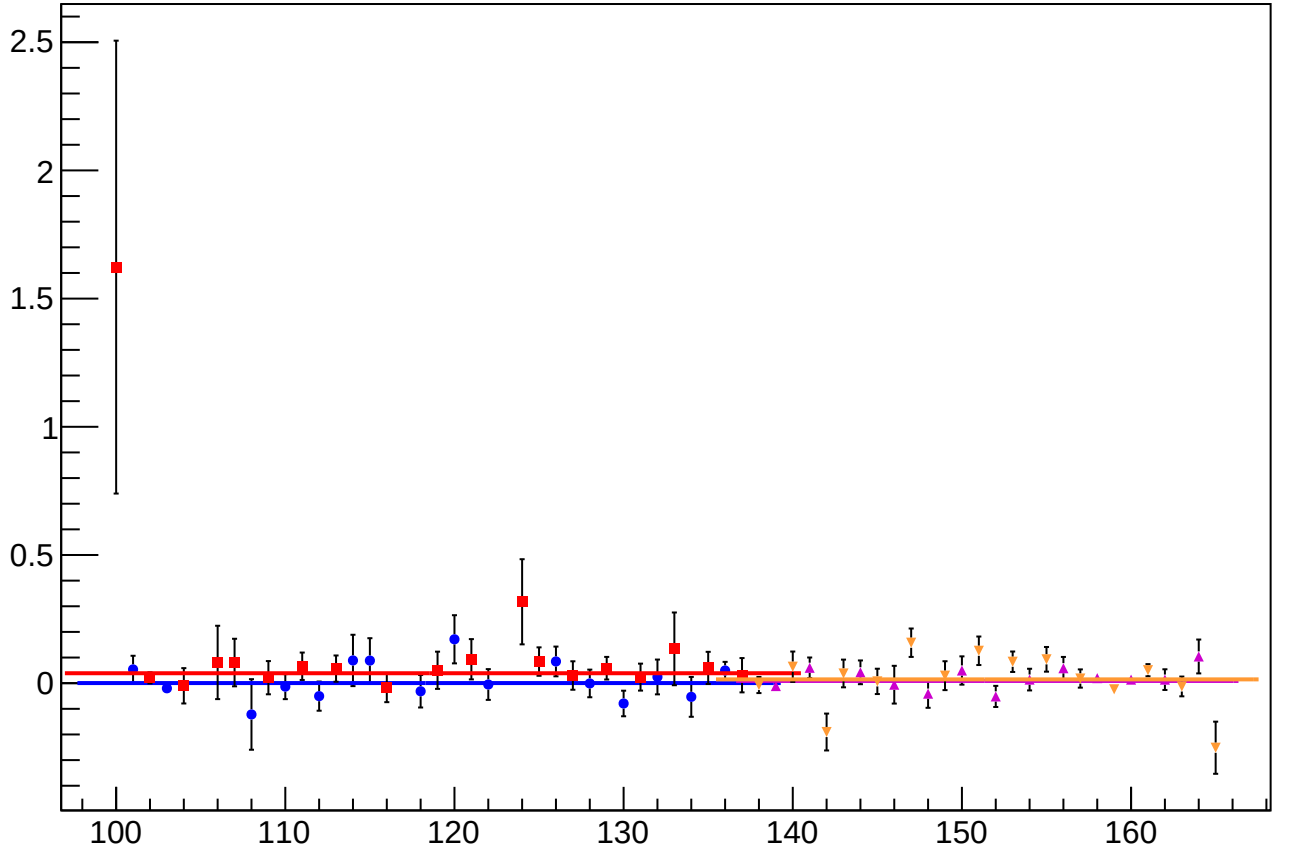
Left In: 0.002+/-0.000 χ^2/NDF:764856.0/12

+ sign 0.002+/-0.000 χ^2/NDF: 3257308.7/30

All: 0.002+/-0.000 χ^2/NDF: 9729187.3/62

- sign 0.002+/-0.000 χ^2/NDF: 6197922.4/31

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: 0.015+/-0.009 χ^2/NDF:41.1/14

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

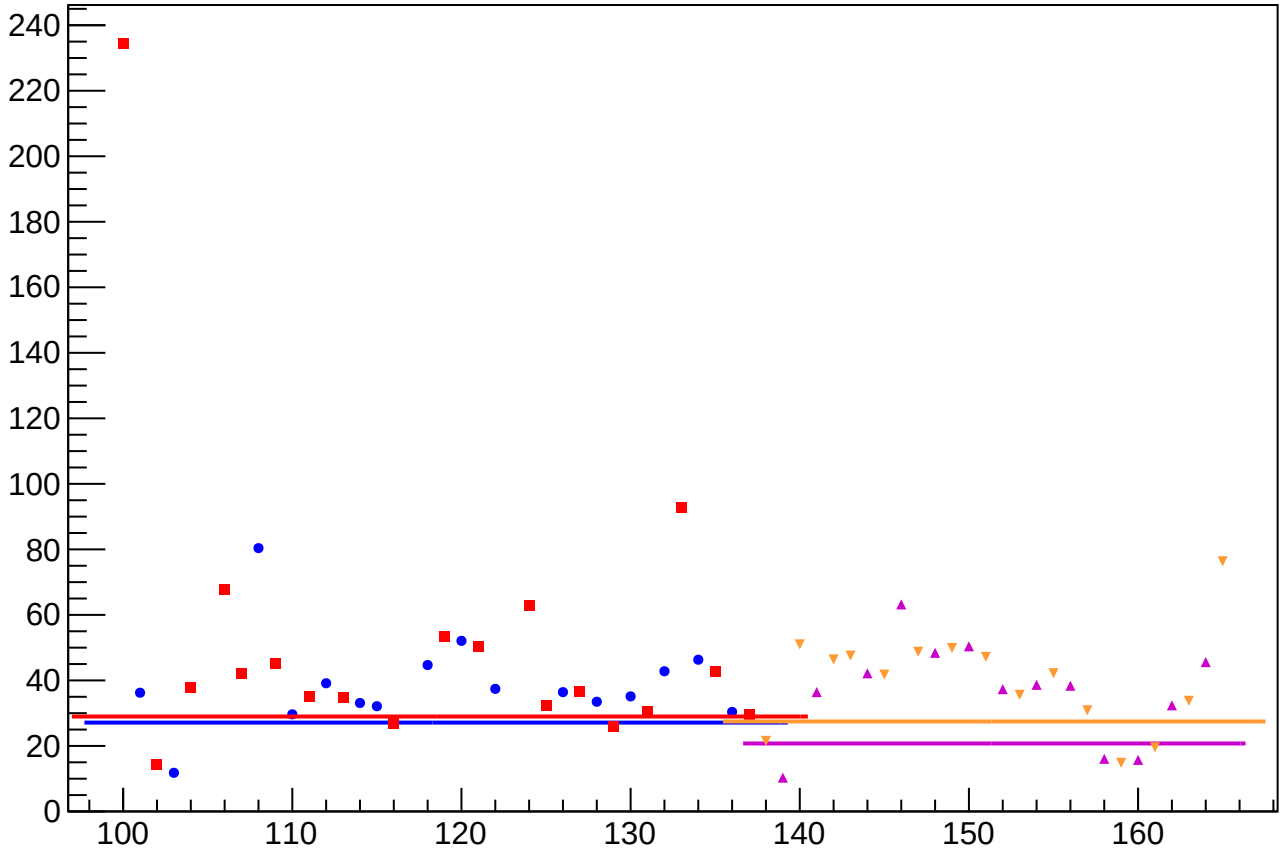
Left In: 0.009+/-0.008 χ^2/NDF:11.8/12

+ sign 0.009+/-0.007 χ^2/NDF: 58.5/30

All: 0.014+/-0.005 χ^2/NDF: 86.0/62

- sign 0.017+/-0.007 χ^2/NDF: 26.9/31

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.460+/-0.007 χ^2/NDF:4038358.6/14

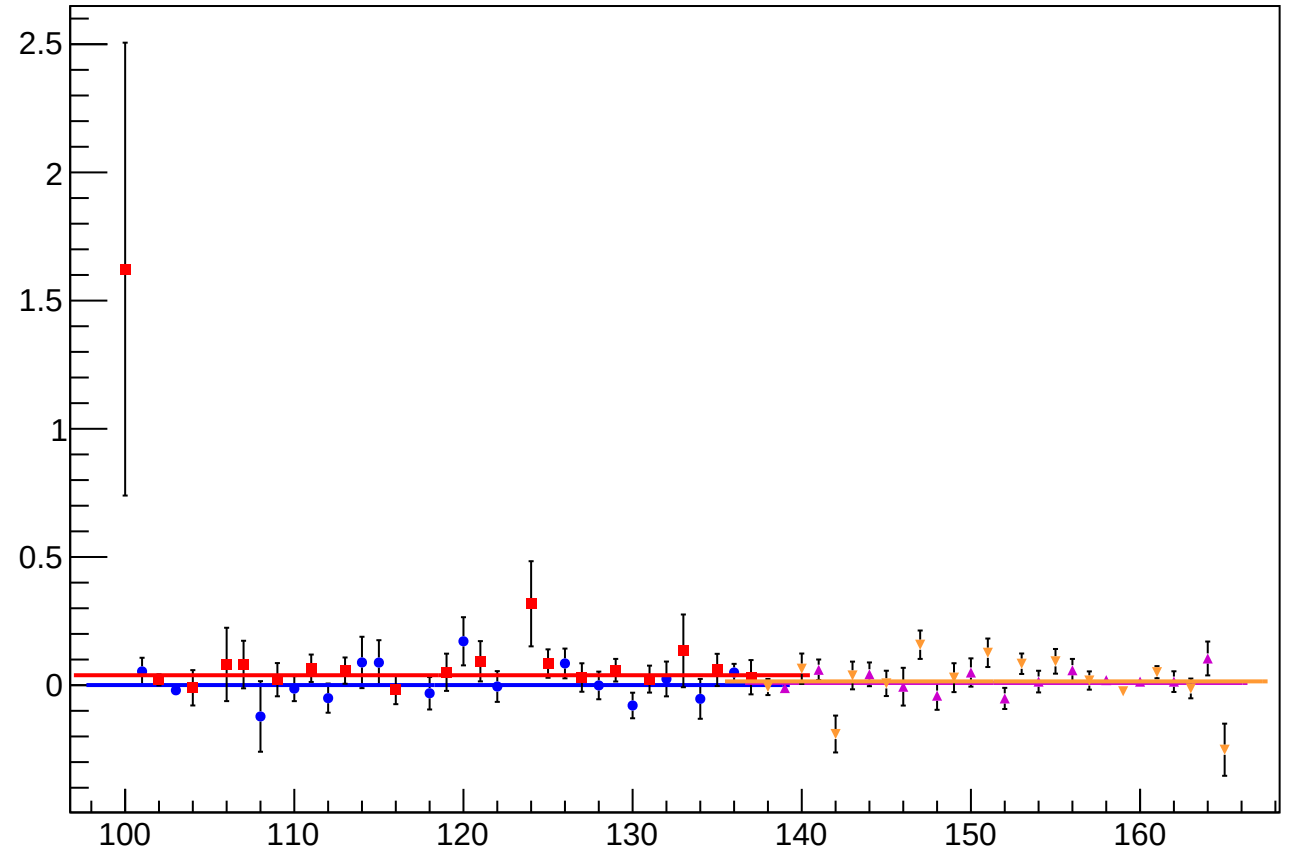
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.748+/-0.006 χ^2/NDF:5436324.1/12

+ sign 27.334+/-0.005 χ^2/NDF: 6454956.7/30

All: 24.959+/-0.004 χ^2/NDF: 15331424.0/62

- sign 23.038+/-0.005 χ^2/NDF: 8504863.7/31



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.015+/-0.009 χ^2/NDF:41.1/14

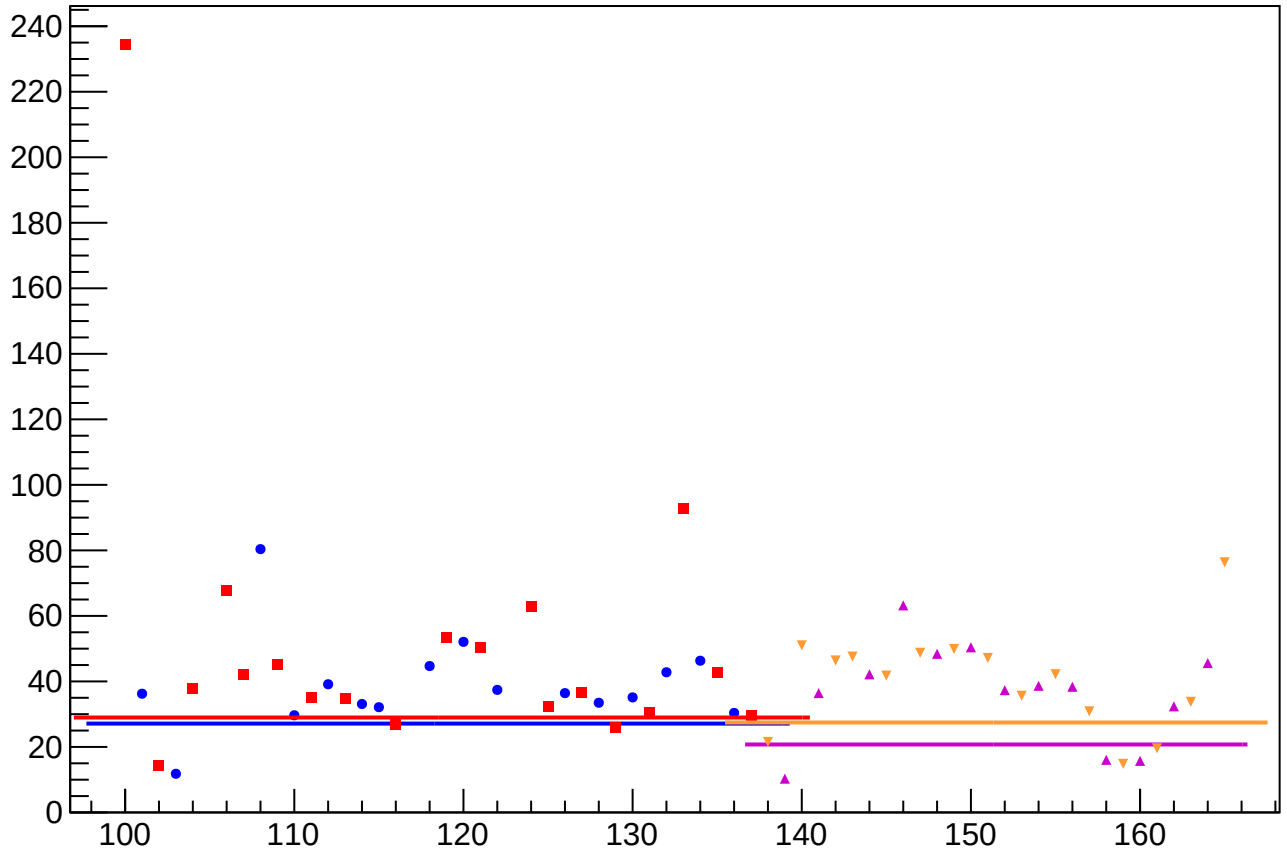
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.009+/-0.008 χ^2/NDF:11.8/12

+ sign 0.009+/-0.007 χ^2/NDF: 58.5/30

All: 0.014+/-0.005 χ^2/NDF: 86.0/62

- sign 0.017+/-0.007 χ^2/NDF: 26.9/31



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.460+/-0.007 χ^2/NDF:4038358.6/14

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

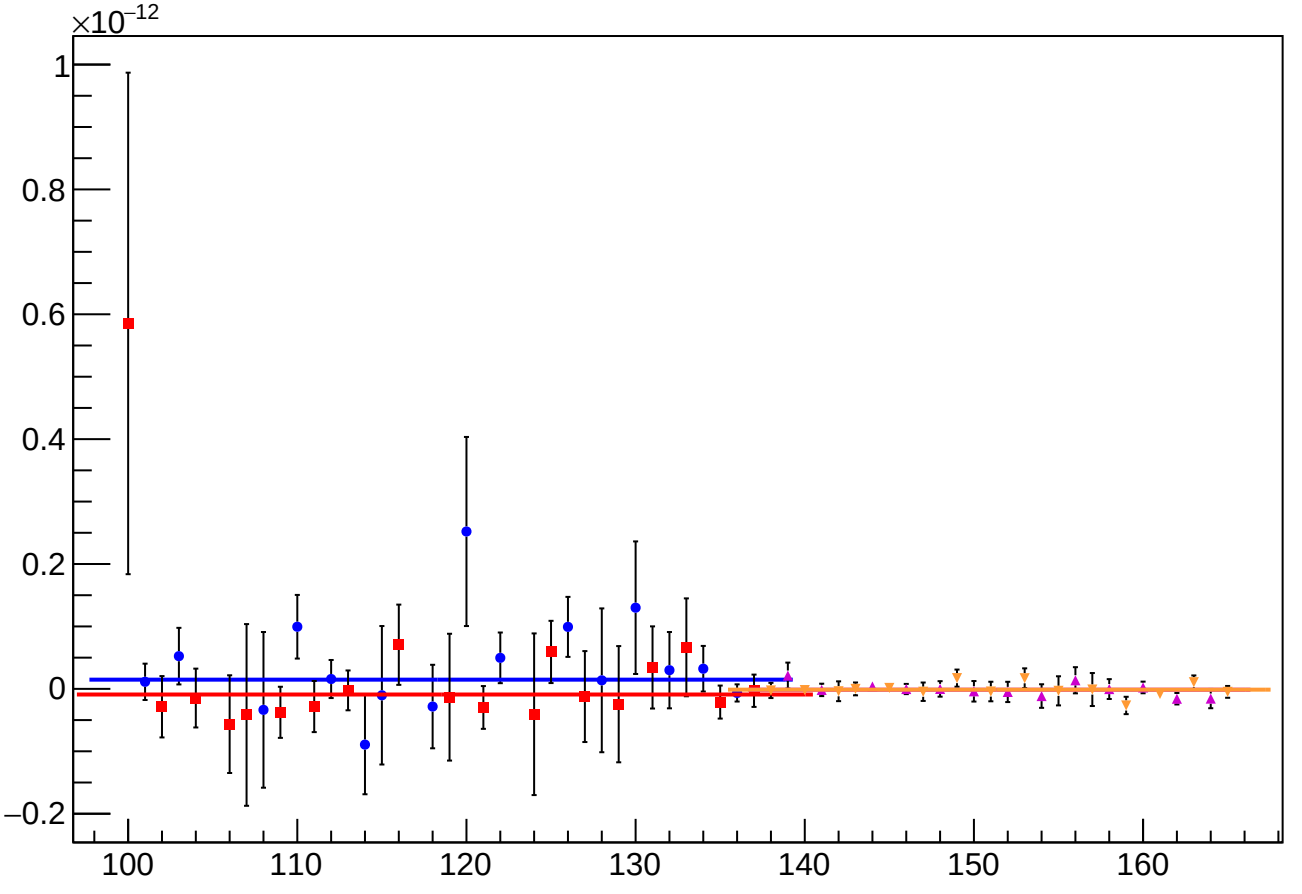
Left In: 20.748+/-0.006 χ^2/NDF:5436324.1/12

\+ sign 27.334+/-0.005 χ^2/NDF: 6454956.7/30

All: 24.959+/-0.004 χ^2/NDF: 15331424.0/62

\- sign 23.038+/-0.005 χ^2/NDF: 8504863.7/31

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/14

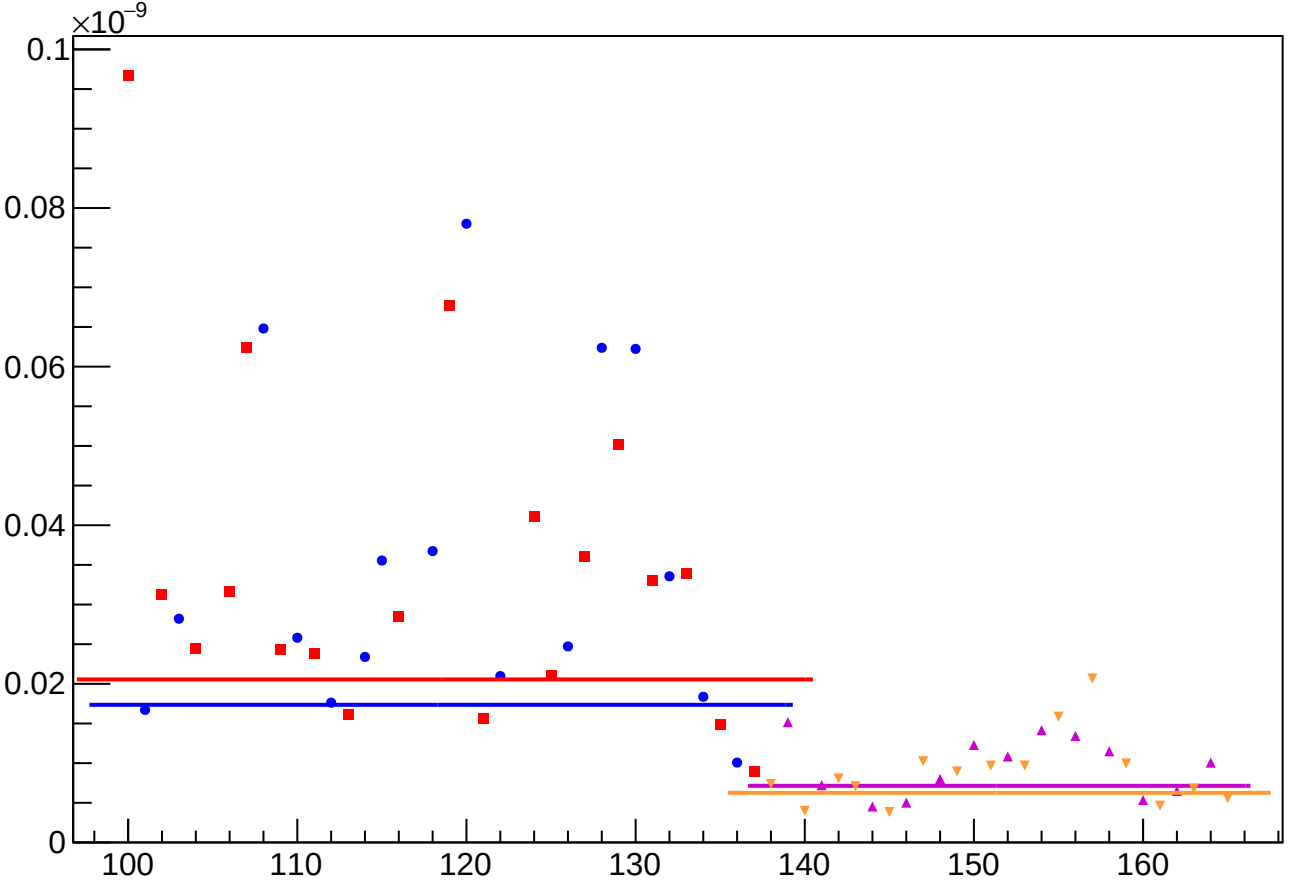
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/30

All: -0.000+/-0.000 χ^2/NDF: 43.4/62

- sign -0.000+/-0.000 χ^2/NDF: 15.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2163440.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

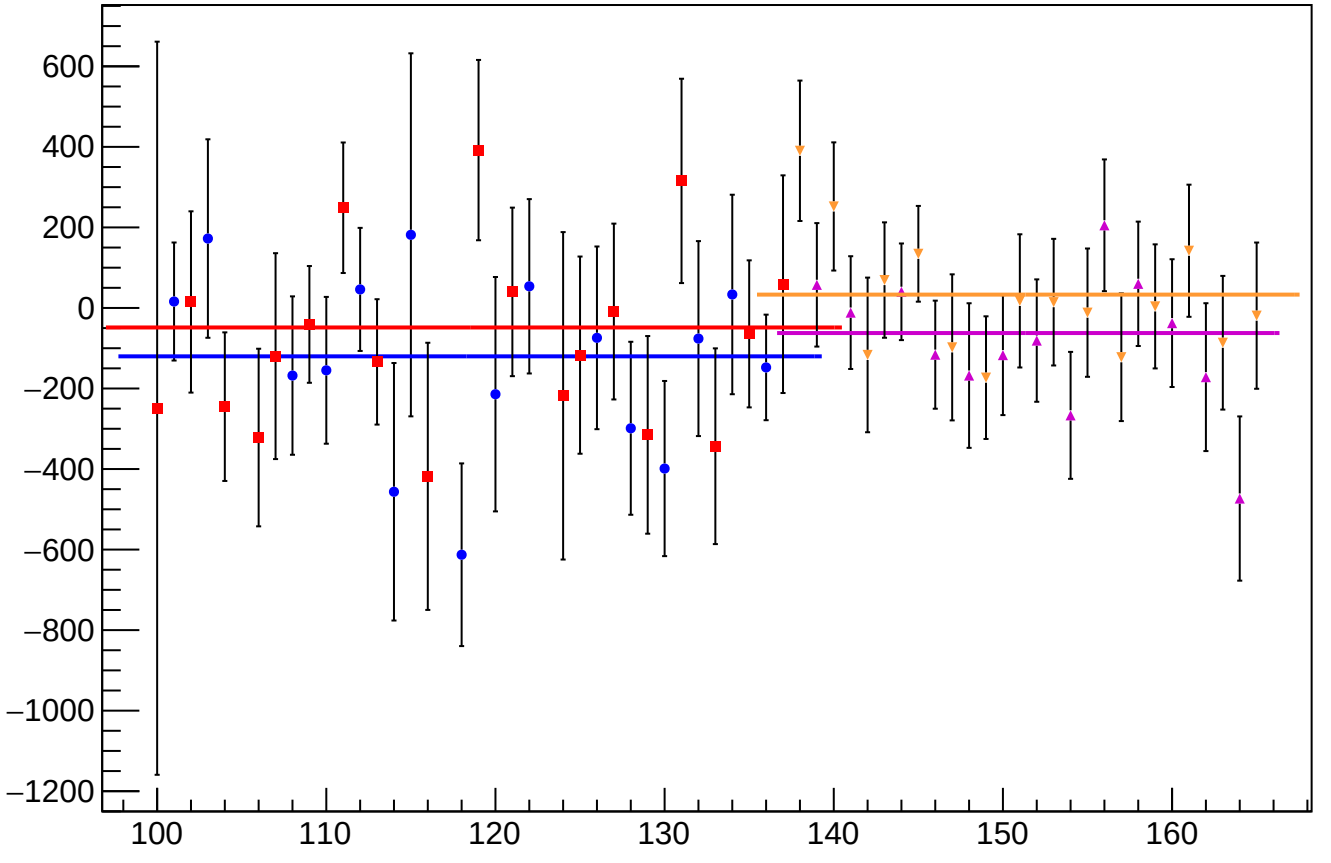
Left In: 0.000+/-0.000 χ^2/NDF:1825940.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 7141664.0/30

All: 0.000+/-0.000 χ^2/NDF: 13859188.3/62

- sign 0.000+/-0.000 χ^2/NDF: 6584639.9/31

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 33.143+/-41.011 χ^2/NDF:12.0/14

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

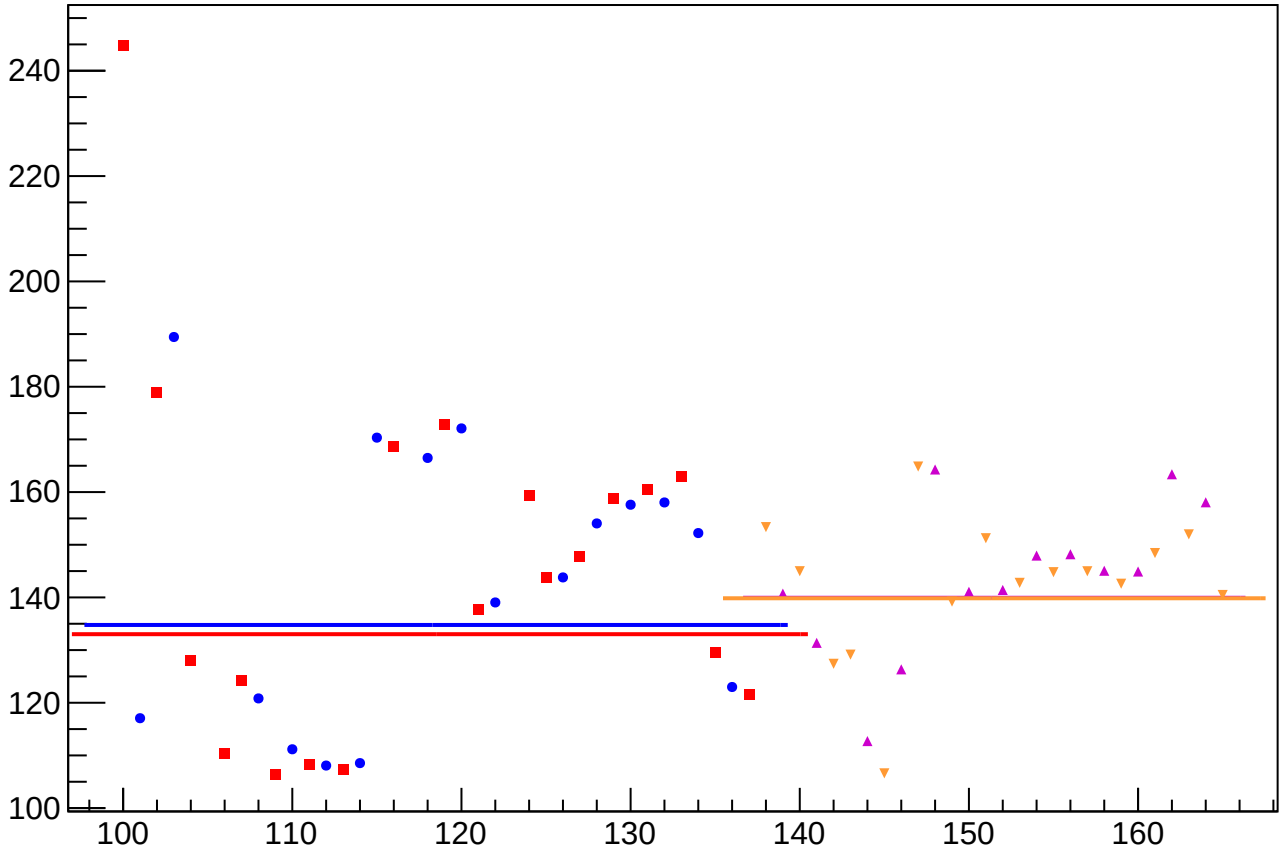
Left In: -62.300+/-42.605 χ^2/NDF:11.5/12

+ sign -26.911+/-31.985 χ^2/NDF: 30.9/30

All: -41.494+/-22.763 χ^2/NDF: 59.9/62

- sign -56.461+/-32.404 χ^2/NDF: 28.6/31

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.837+/-0.029 χ^2/NDF:259132.2/14

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

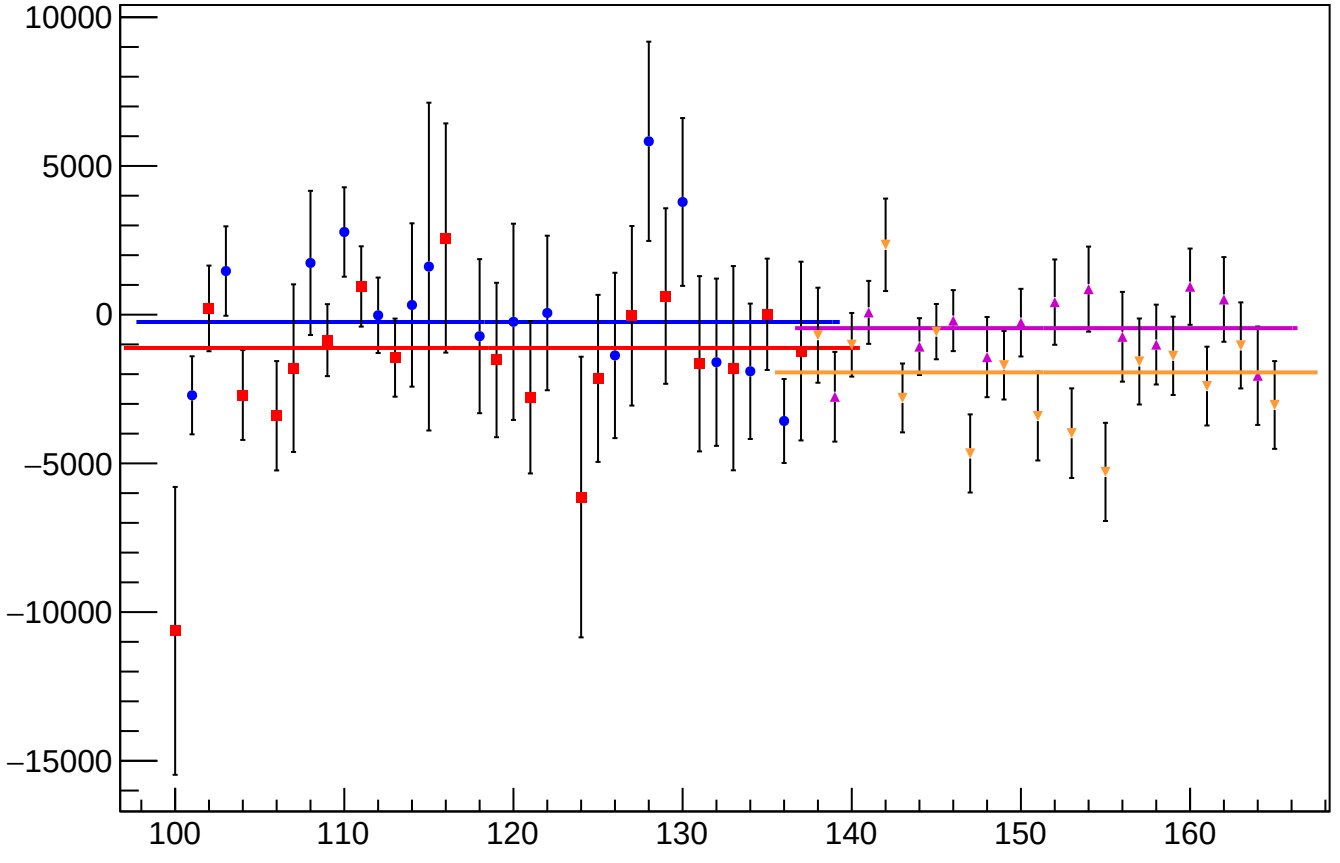
Left In: 139.934+/-0.030 χ^2/NDF:230904.2/12

\+ sign 137.853+/-0.023 χ^2/NDF: 687867.1/30

All: 137.441+/-0.016 χ^2/NDF: 1437362.7/62

\- sign 137.019+/-0.023 χ^2/NDF: 748825.0/31

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1940.930+/-338.332 χ^2/NDF:24.3/14

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

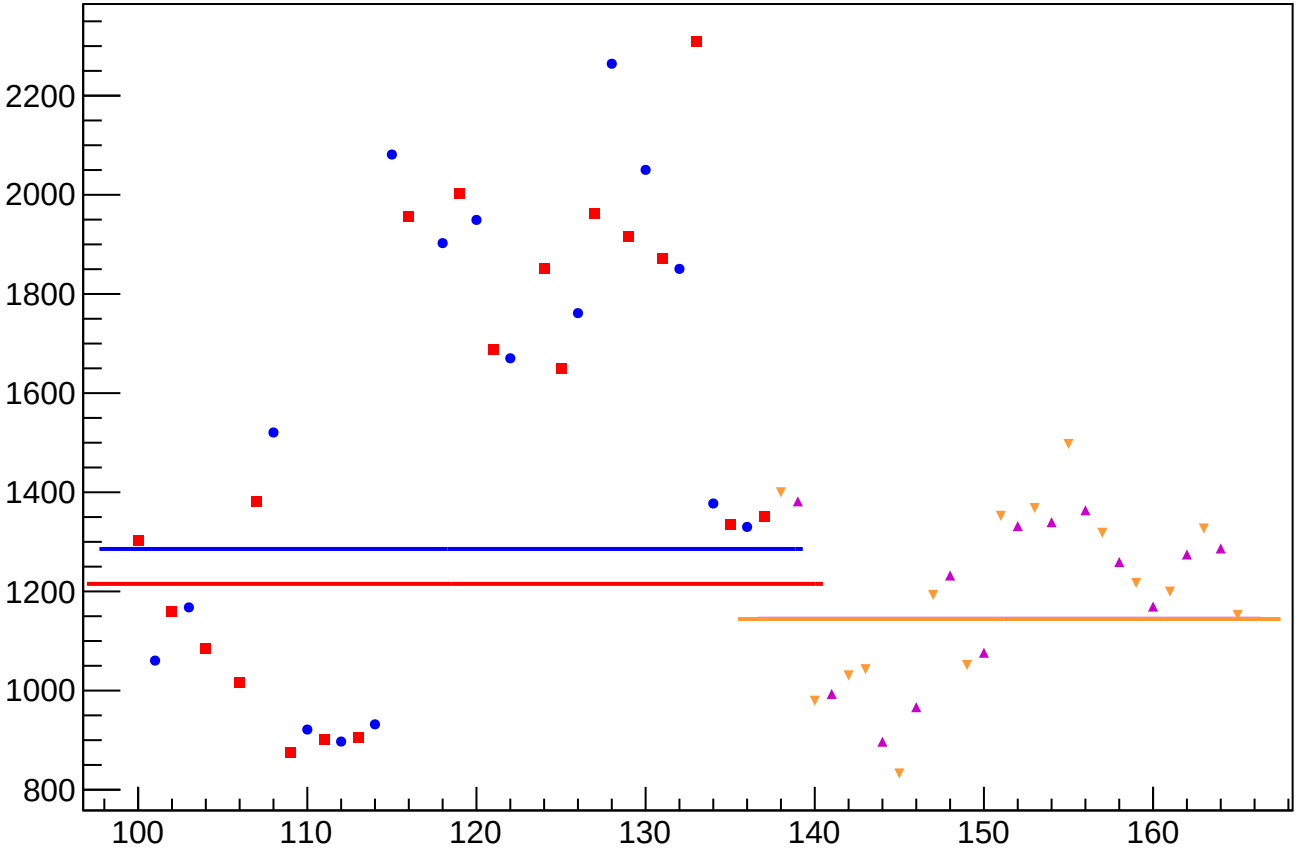
Left In: -452.878+/-350.525 χ^2/NDF:7.6/12

+ sign -1410.774+/-280.458 χ^2/NDF: 53.7/30

All: -1051.702+/-198.379 χ^2/NDF: 79.3/62

- sign -692.156+/-280.643 χ^2/NDF: 22.3/31

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1144.385+/-0.239 χ^2/NDF:610046.0/14

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

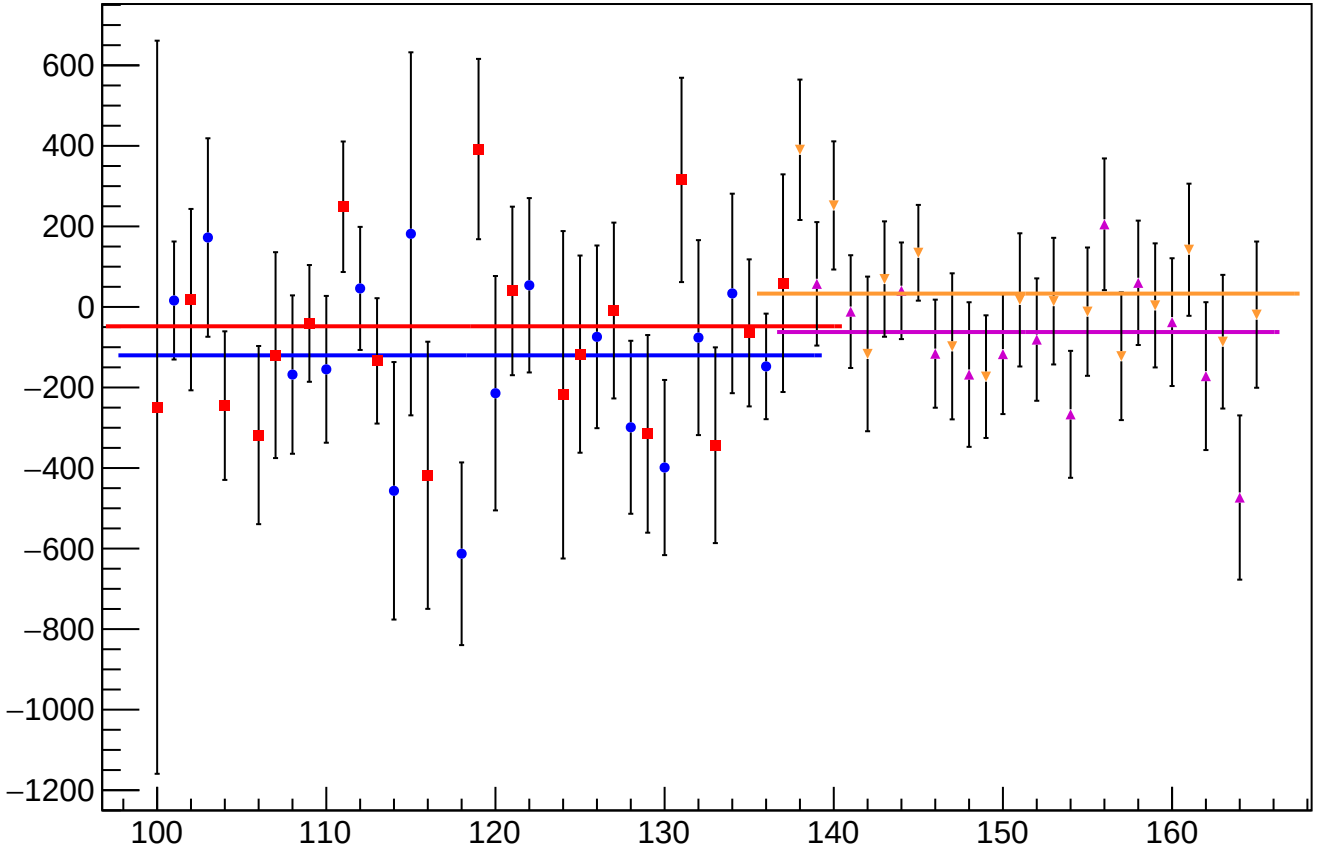
Left In: 1144.782+/-0.248 χ^2/NDF:460891.3/12

+ sign 1188.586+/-0.198 χ^2/NDF: 1889594.3/30

All: 1179.336+/-0.140 χ^2/NDF: 3770136.2/62

- sign 1170.074+/-0.198 χ^2/NDF: 1876188.0/31

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 33.148+/-41.011 χ^2/NDF:12.0/14

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

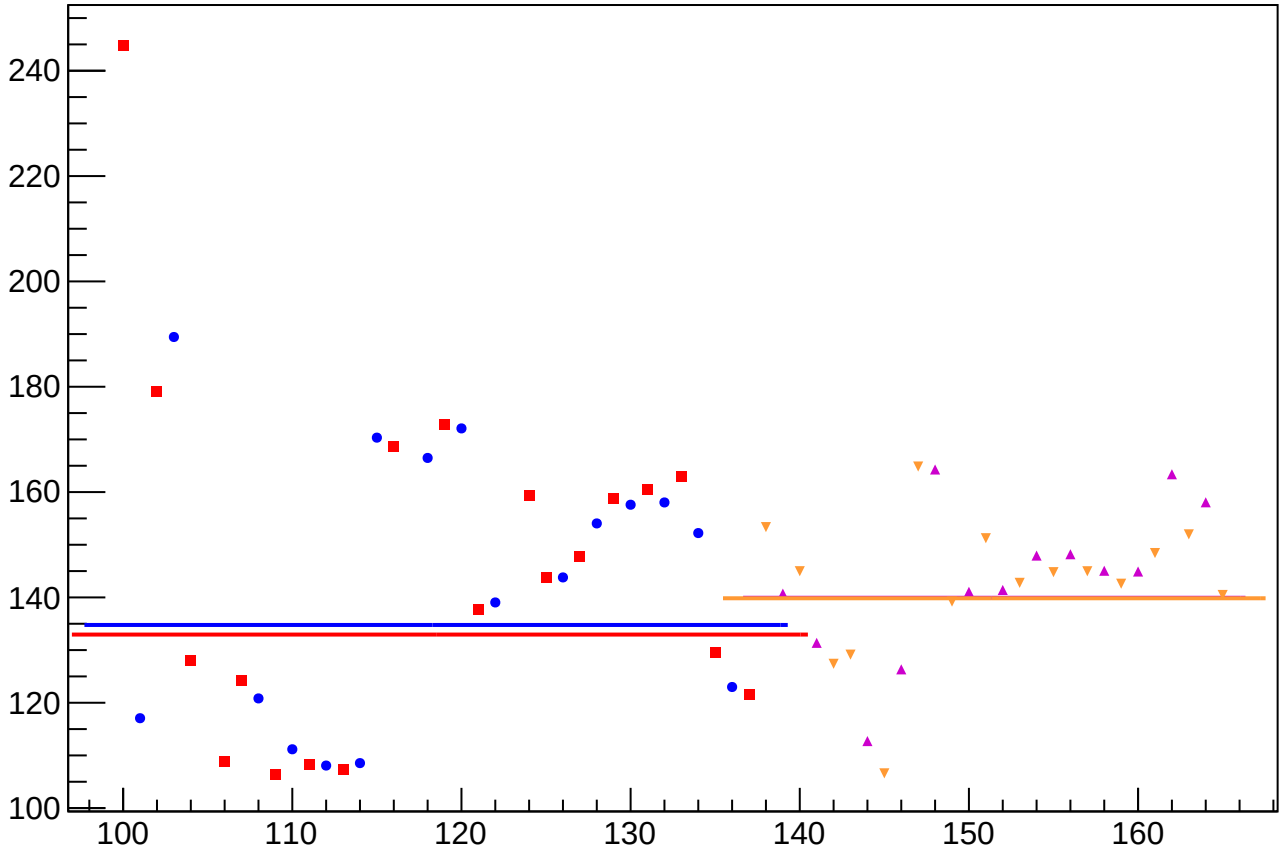
Left In: -62.302+/-42.605 χ^2/NDF:11.5/12

+ sign -26.912+/-31.985 χ^2/NDF: 30.9/30

All: -41.404+/-22.764 χ^2/NDF: 59.8/62

- sign -56.280+/-32.406 χ^2/NDF: 28.6/31

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.837+/-0.029 χ^2/NDF:259132.2/14

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

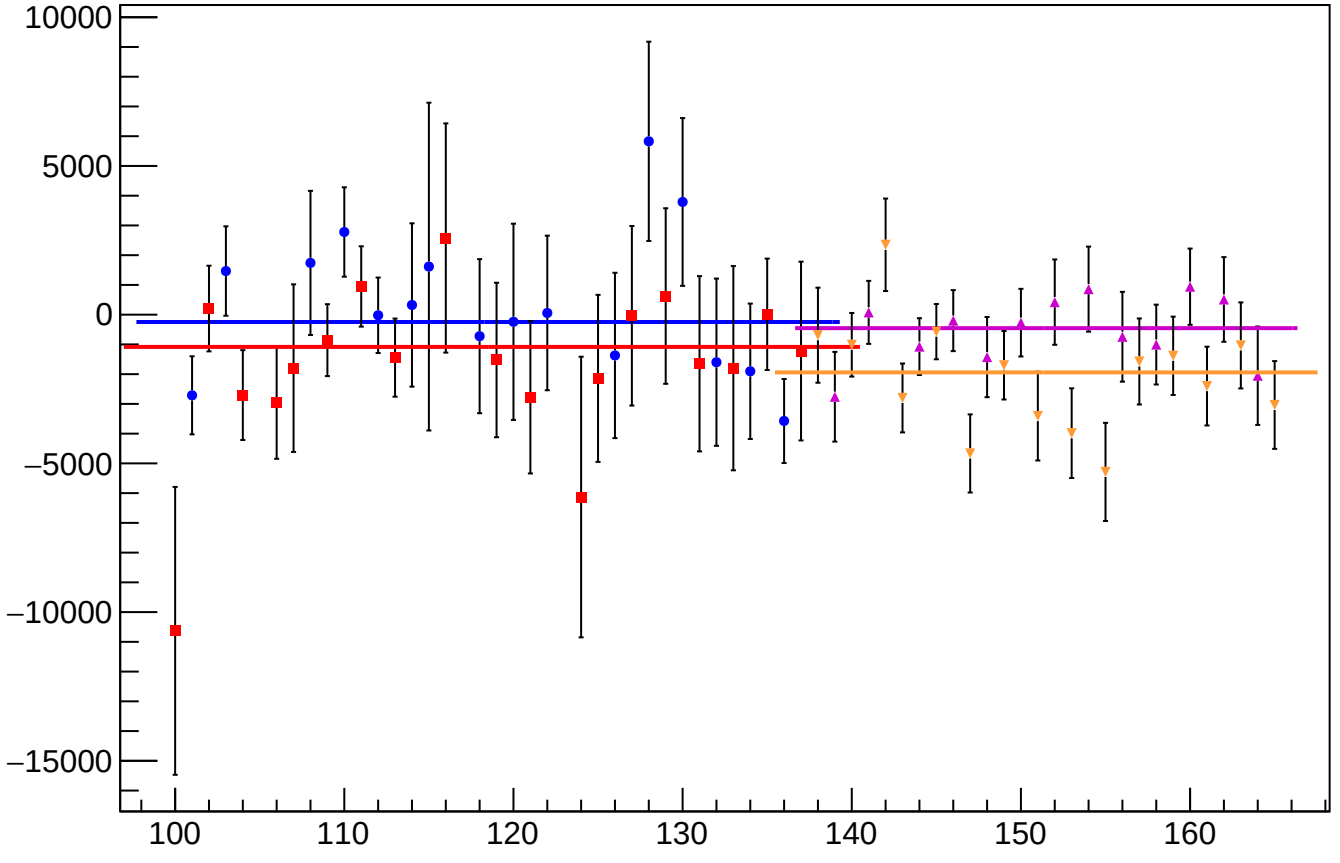
Left In: 139.934+/-0.030 χ^2/NDF:230904.3/12

\+ sign 137.853+/-0.023 χ^2/NDF: 687870.1/30

All: 137.427+/-0.016 χ^2/NDF: 1441010.7/62

\- sign 136.989+/-0.023 χ^2/NDF: 752421.1/31

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1940.922+/-338.332 χ^2/NDF:24.3/14

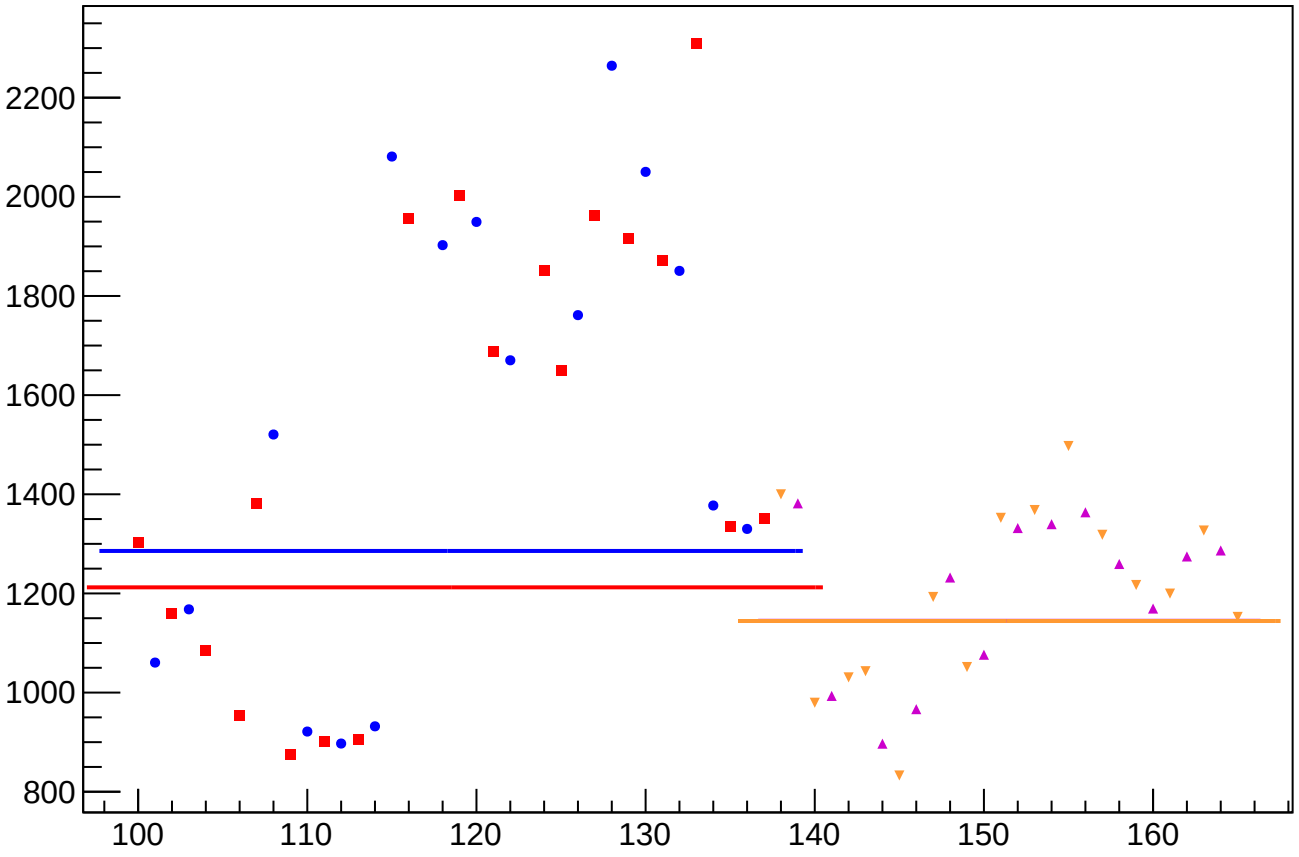
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -452.886+/-350.525 χ^2/NDF:7.6/12

+ sign -1410.798+/-280.459 χ^2/NDF: 53.7/30

All: -1045.351+/-198.449 χ^2/NDF: 78.7/62

- sign -678.907+/-280.841 χ^2/NDF: 21.6/31



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1144.384+/-0.239 χ^2/NDF:610047.8/14

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

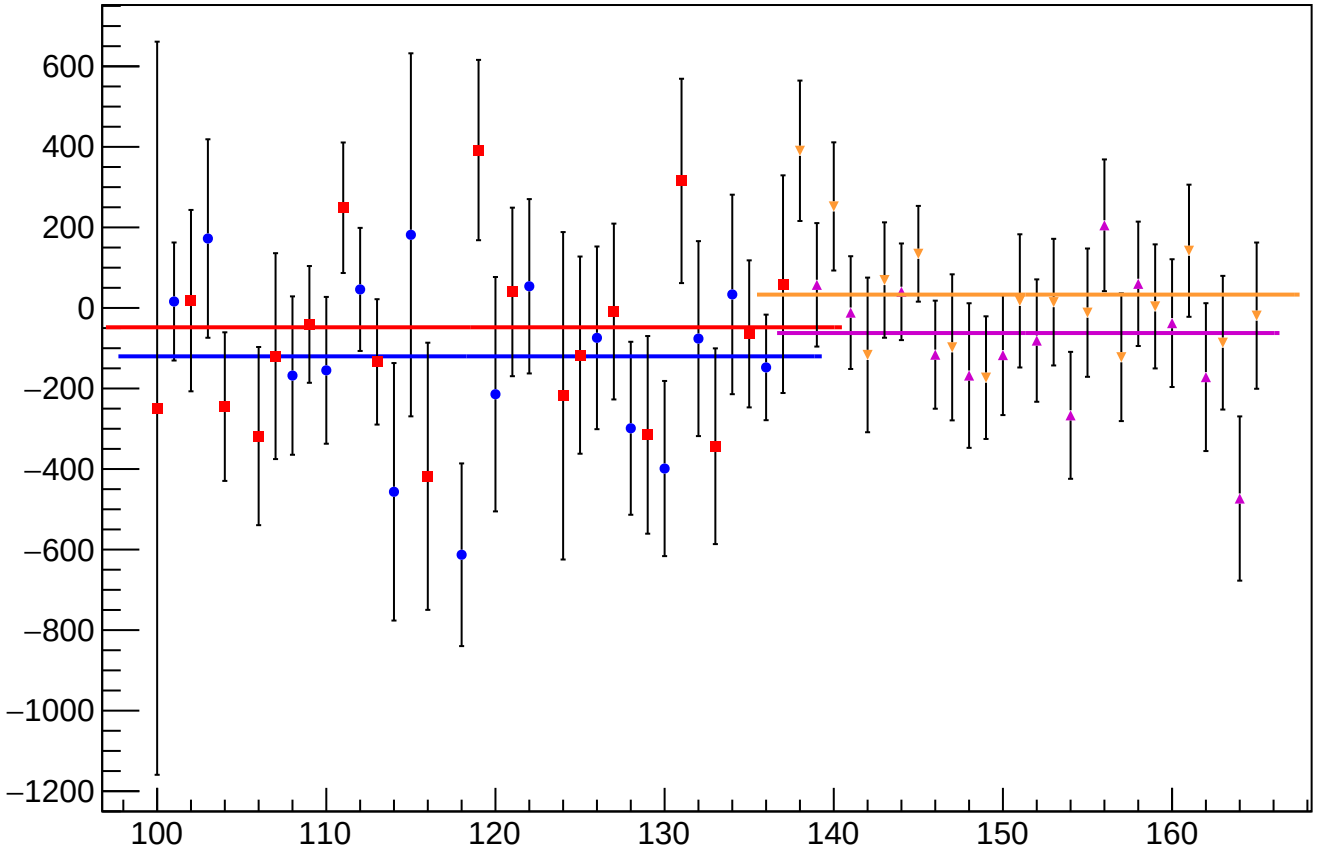
Left In: 1144.782+/-0.248 χ^2/NDF:460889.2/12

+ sign 1188.589+/-0.198 χ^2/NDF: 1889591.2/30

All: 1178.783+/-0.140 χ^2/NDF: 3782564.6/62

- sign 1168.950+/-0.199 χ^2/NDF: 1888076.4/31

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 33.148+/-41.011 χ^2/NDF:12.0/14

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

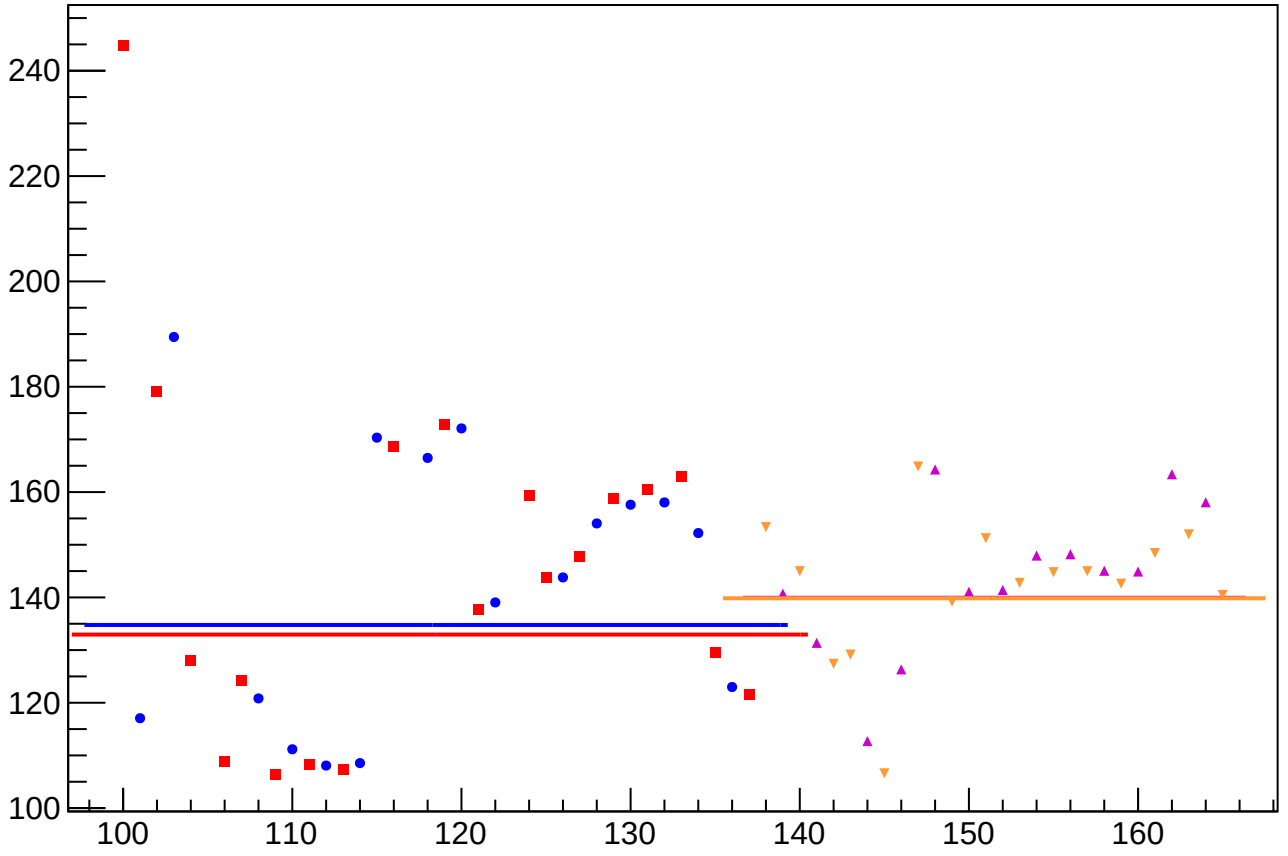
Left In: -62.302+/-42.605 χ^2/NDF:11.5/12

+ sign -26.912+/-31.985 χ^2/NDF: 30.9/30

All: -41.404+/-22.764 χ^2/NDF: 59.8/62

- sign -56.280+/-32.406 χ^2/NDF: 28.6/31

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.837+/-0.029 χ^2/NDF:259132.2/14

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

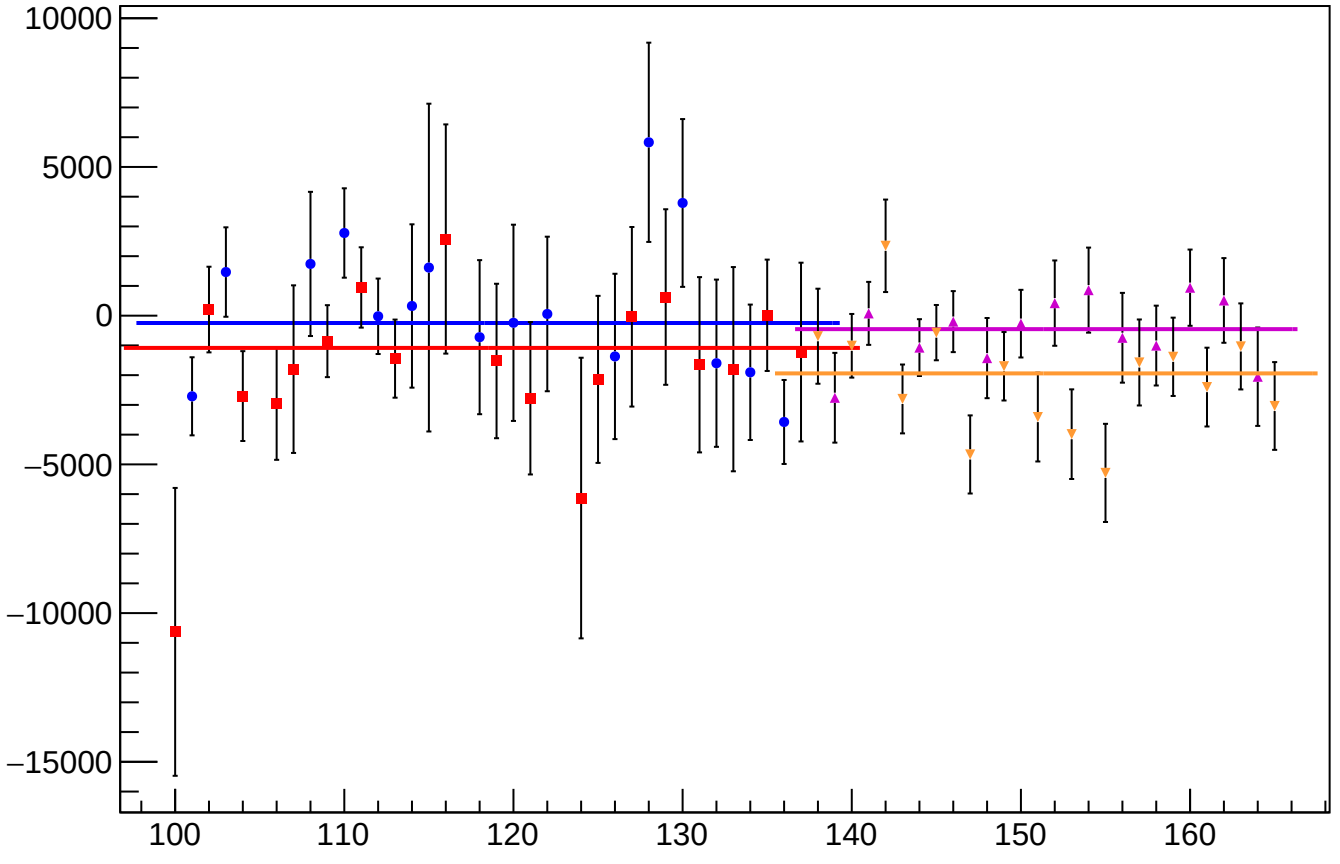
Left In: 139.934+/-0.030 χ^2/NDF:230904.3/12

\+ sign 137.853+/-0.023 χ^2/NDF: 687870.1/30

All: 137.427+/-0.016 χ^2/NDF: 1441010.7/62

\- sign 136.989+/-0.023 χ^2/NDF: 752421.1/31

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1940.922+/-338.332 χ^2/NDF:24.3/14

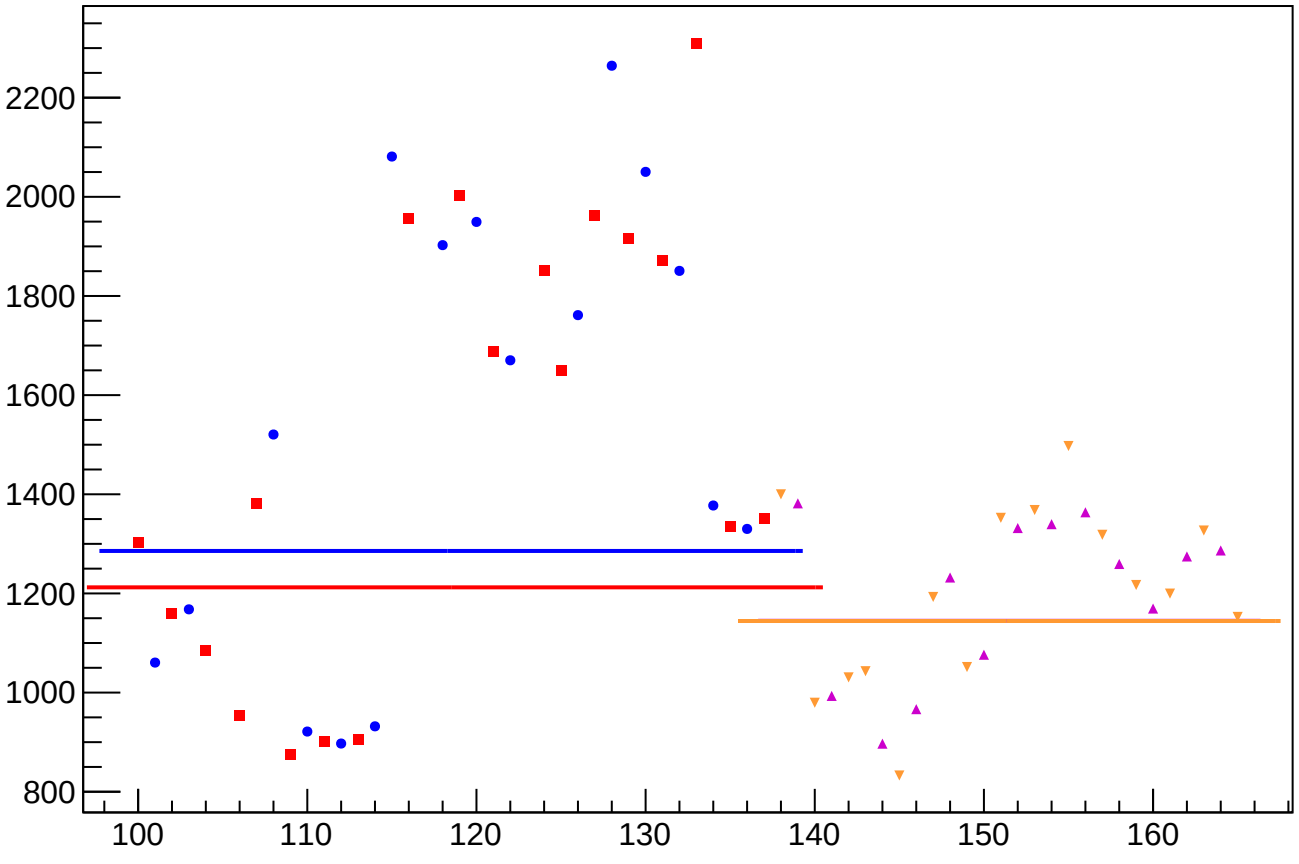
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -452.886+/-350.525 χ^2/NDF:7.6/12

+ sign -1410.798+/-280.459 χ^2/NDF: 53.7/30

All: -1045.351+/-198.449 χ^2/NDF: 78.7/62

- sign -678.907+/-280.841 χ^2/NDF: 21.6/31



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1144.384+/-0.239 χ^2/NDF:610047.8/14

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

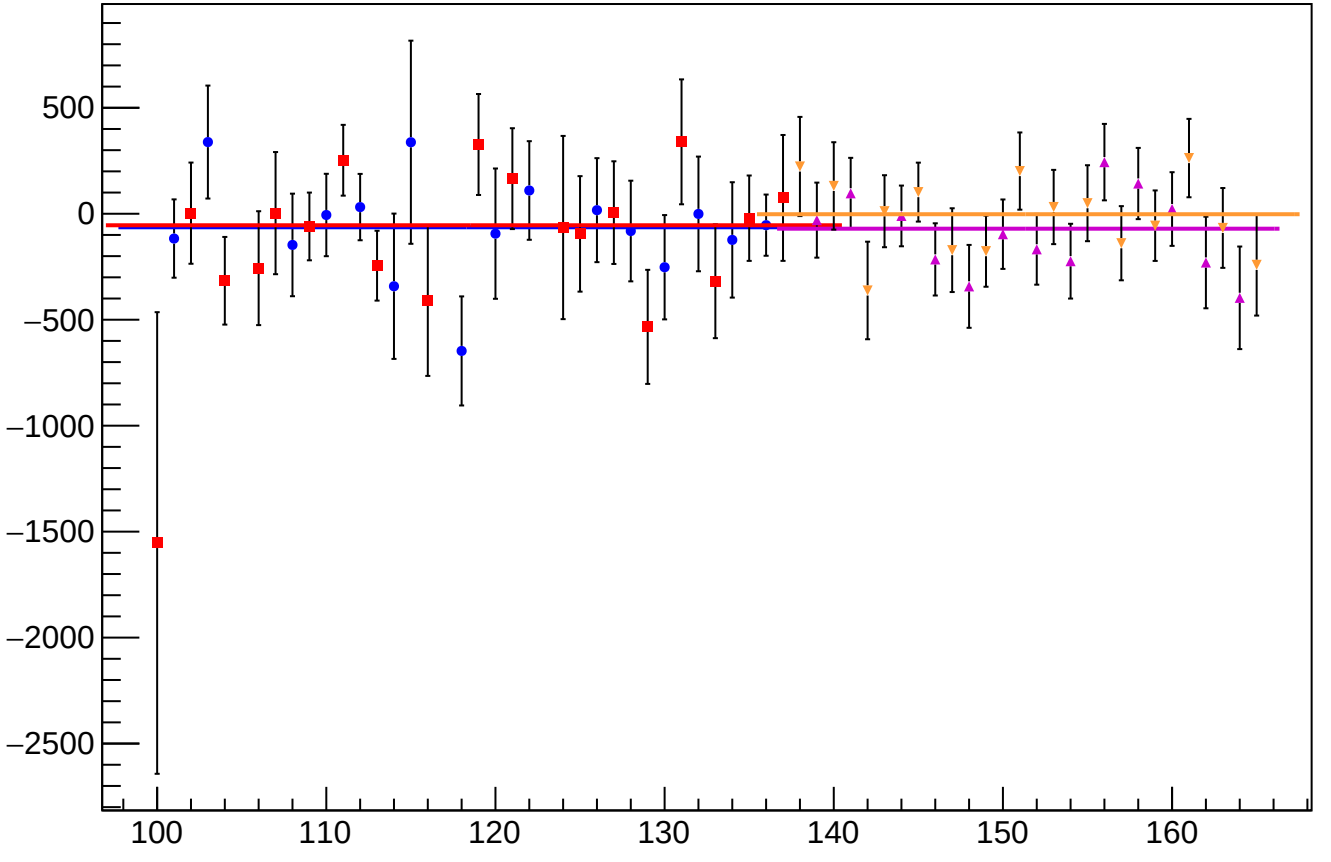
Left In: 1144.782+/-0.248 χ^2/NDF:460889.2/12

+ sign 1188.589+/-0.198 χ^2/NDF: 1889591.2/30

All: 1178.783+/-0.140 χ^2/NDF: 3782564.6/62

- sign 1168.950+/-0.199 χ^2/NDF: 1888076.4/31

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: -2.199+/-47.372 χ^2/NDF:11.4/14

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

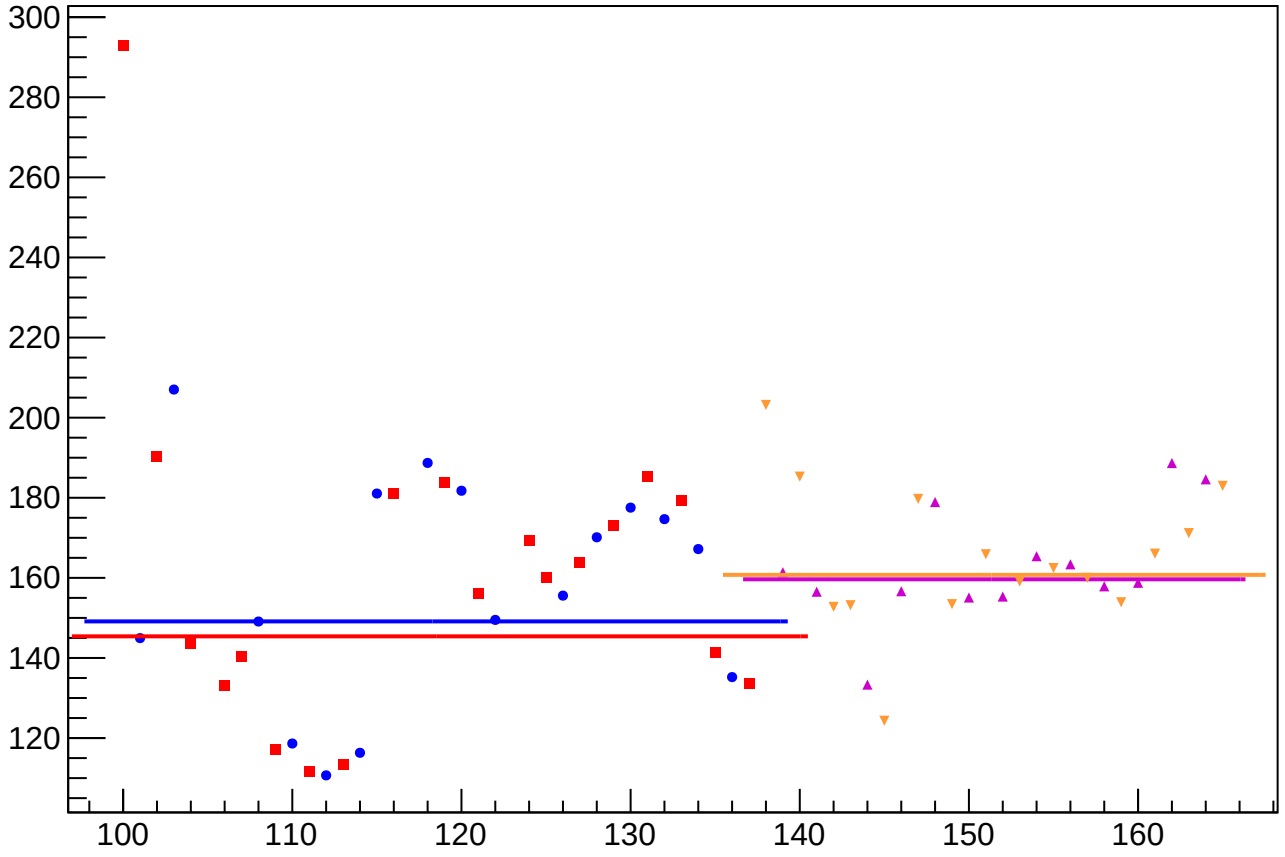
Left In: -70.517+/-48.799 χ^2/NDF:12.3/12

+ sign -27.497+/-36.363 χ^2/NDF: 22.9/30

All: -45.386+/-25.735 χ^2/NDF: 55.3/62

- sign -63.338+/-36.427 χ^2/NDF: 31.8/31

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 160.750+/-0.033 χ^2/NDF:290255.4/14

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

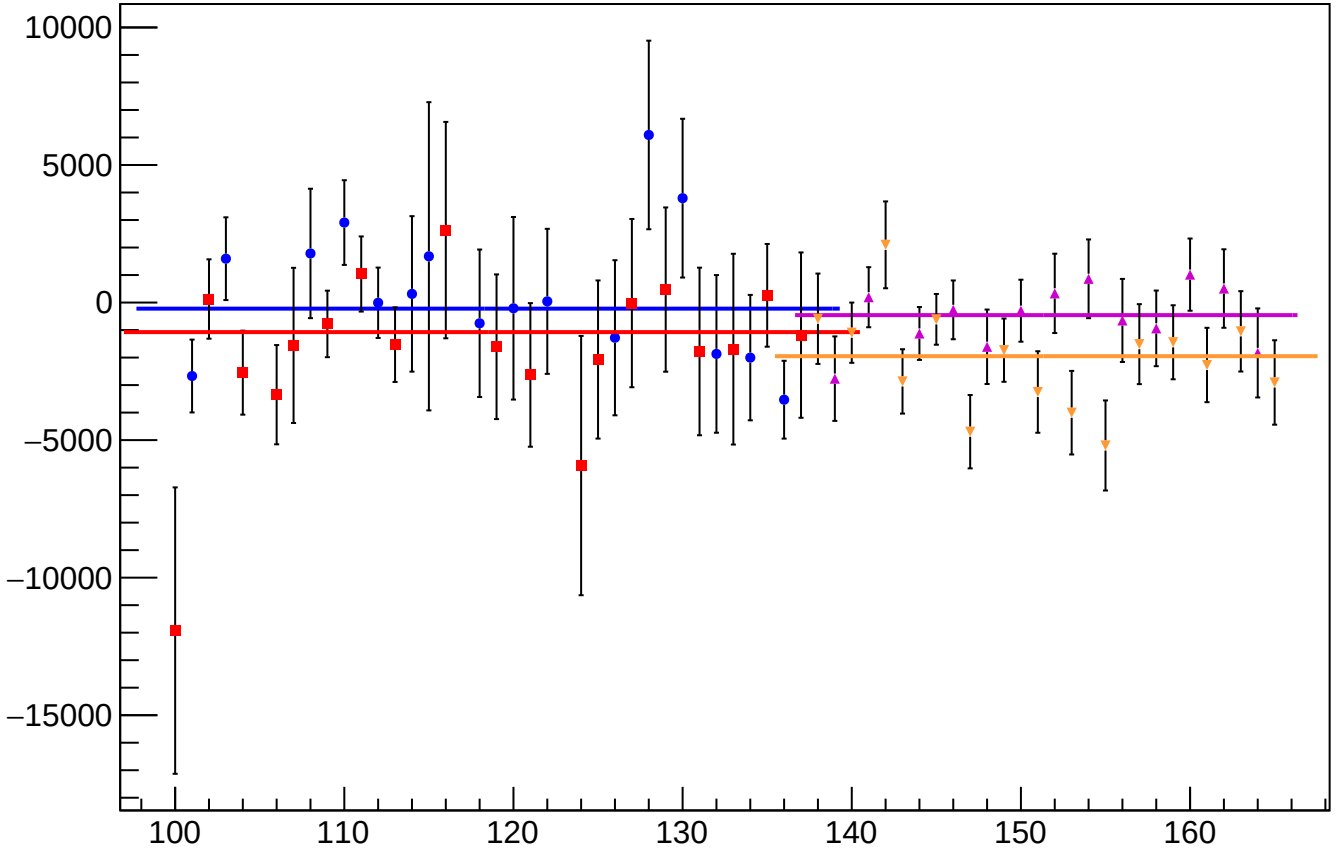
Left In: 159.639+/-0.035 χ^2/NDF:151862.3/12

+ sign 155.977+/-0.026 χ^2/NDF: 790692.3/30

All: 154.658+/-0.018 χ^2/NDF: 1549054.6/62

- sign 153.334+/-0.026 χ^2/NDF: 753088.9/31

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1949.555+/-341.838 χ^2/NDF:22.5/14

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

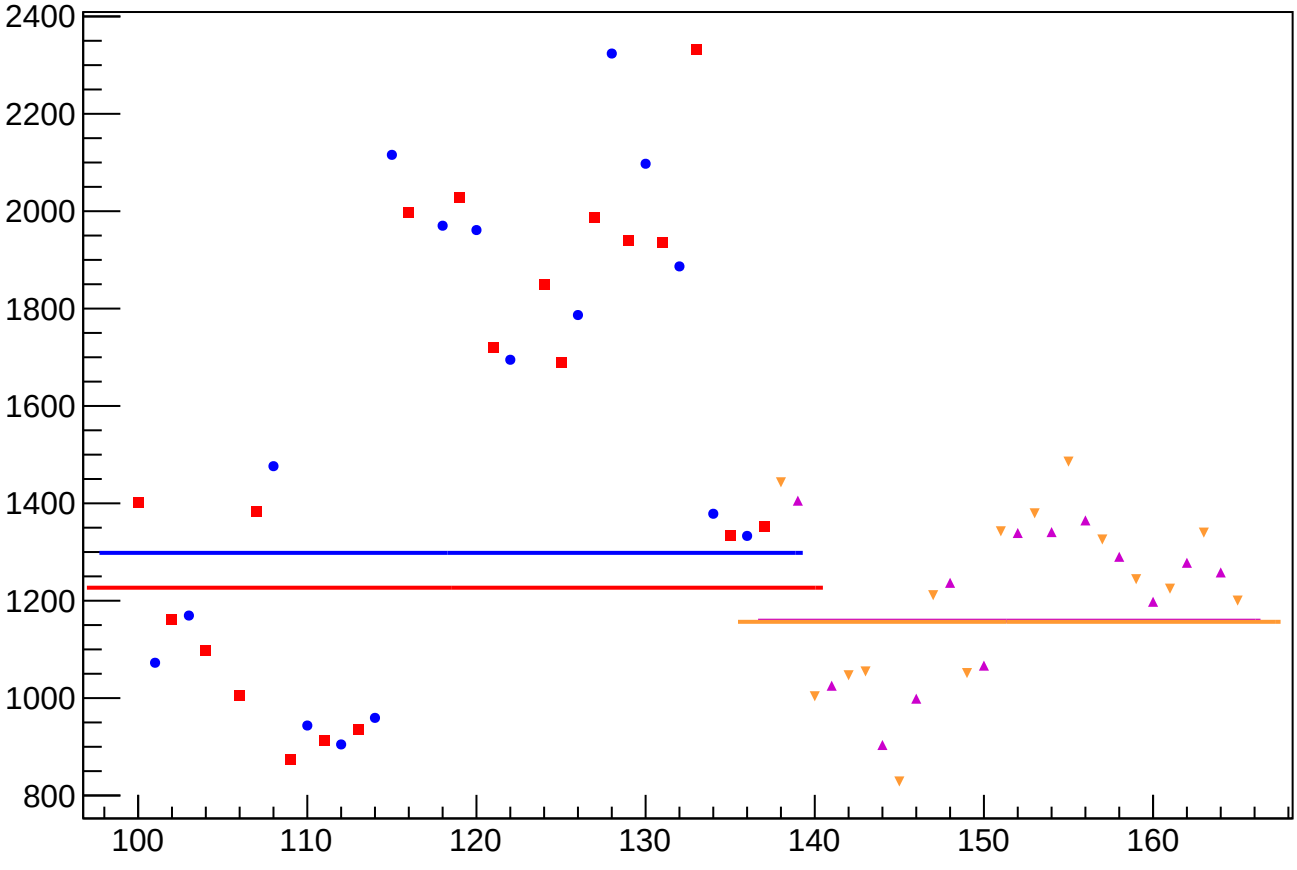
Left In: -456.837+/-354.730 χ^2/NDF:7.6/12

+ sign -1408.246+/-283.292 χ^2/NDF: 52.3/30

All: -1044.344+/-200.480 χ^2/NDF: 77.9/62

- sign -679.266+/-283.750 χ^2/NDF: 22.3/31

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1156.685+/-0.242 χ^2/NDF:626406.5/14

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

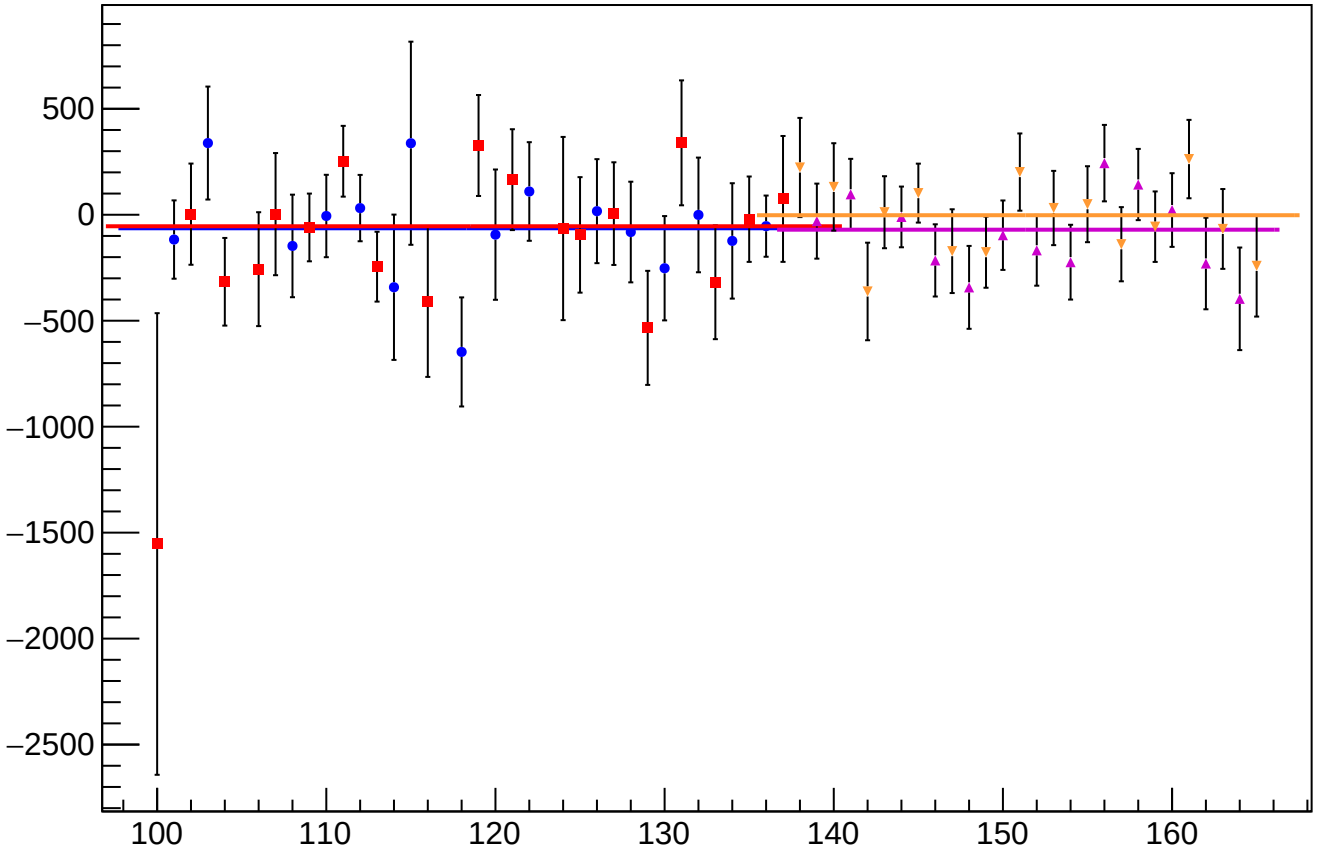
Left In: 1158.977+/-0.251 χ^2/NDF:429726.6/12

+ sign 1201.037+/-0.200 χ^2/NDF: 1916024.9/30

All: 1192.222+/-0.142 χ^2/NDF: 3780428.2/62

- sign 1183.378+/-0.201 χ^2/NDF: 1860524.1/31

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -2.197+/-47.372 χ^2/NDF:11.4/14

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

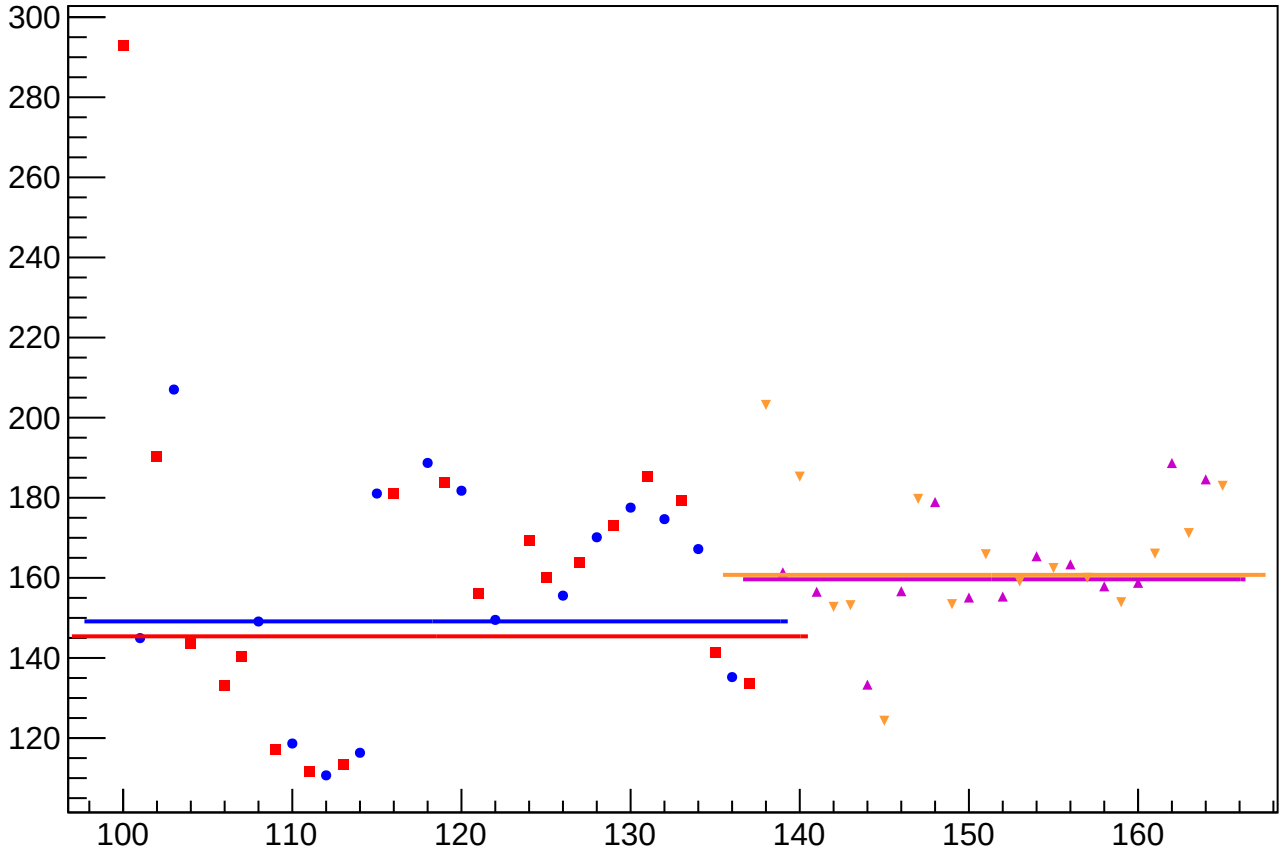
Left In: -70.517+/-48.799 χ^2/NDF:12.3/12

+ sign -27.495+/-36.363 χ^2/NDF: 22.9/30

All: -45.385+/-25.735 χ^2/NDF: 55.3/62

- sign -63.338+/-36.427 χ^2/NDF: 31.8/31

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 160.751+/-0.033 χ^2/NDF:290250.1/14

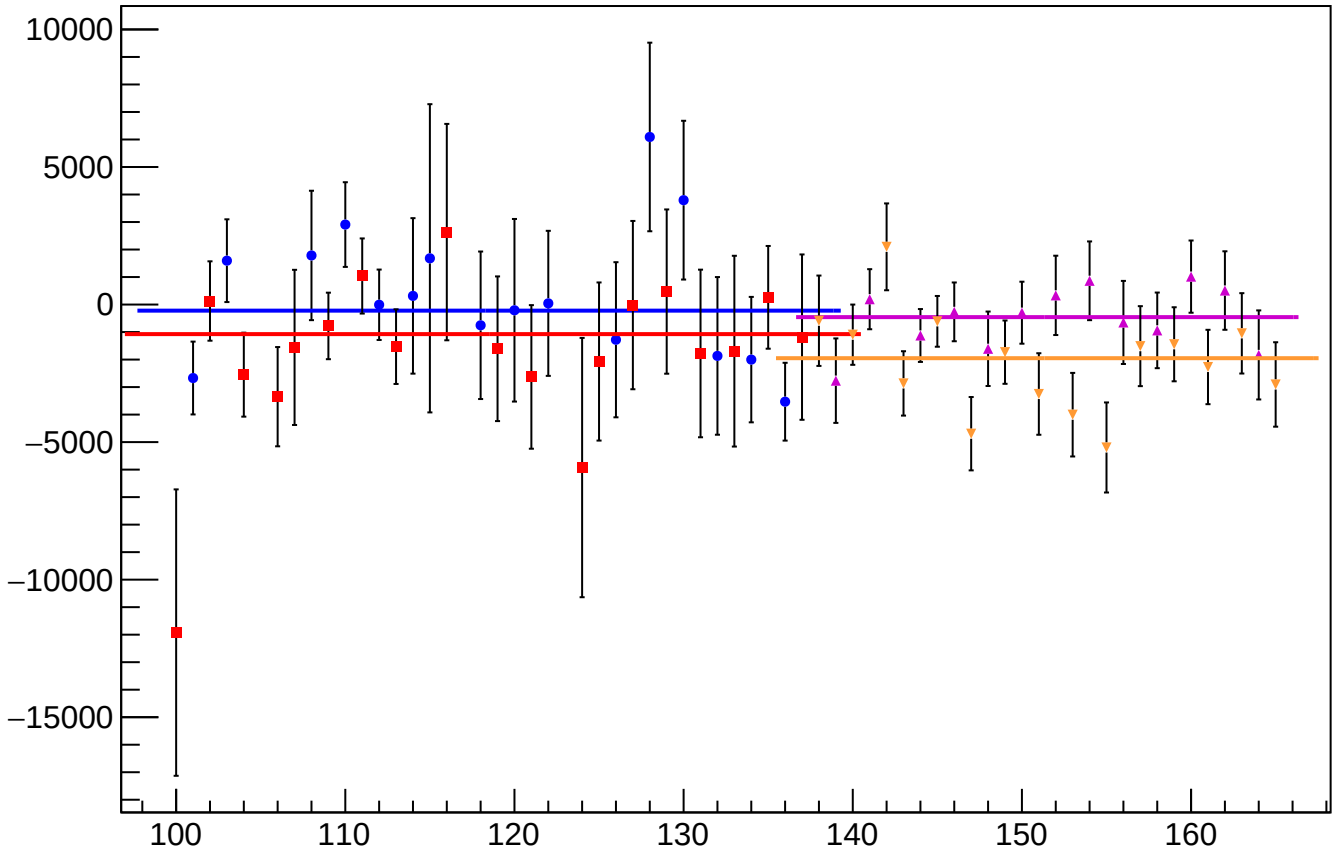
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 159.639+/-0.035 χ^2/NDF:151860.5/12

+ sign 155.977+/-0.026 χ^2/NDF: 790691.7/30

All: 154.658+/-0.018 χ^2/NDF: 1549058.8/62

- sign 153.334+/-0.026 χ^2/NDF: 753093.3/31



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1949.552+/-341.837 χ^2/NDF:22.5/14

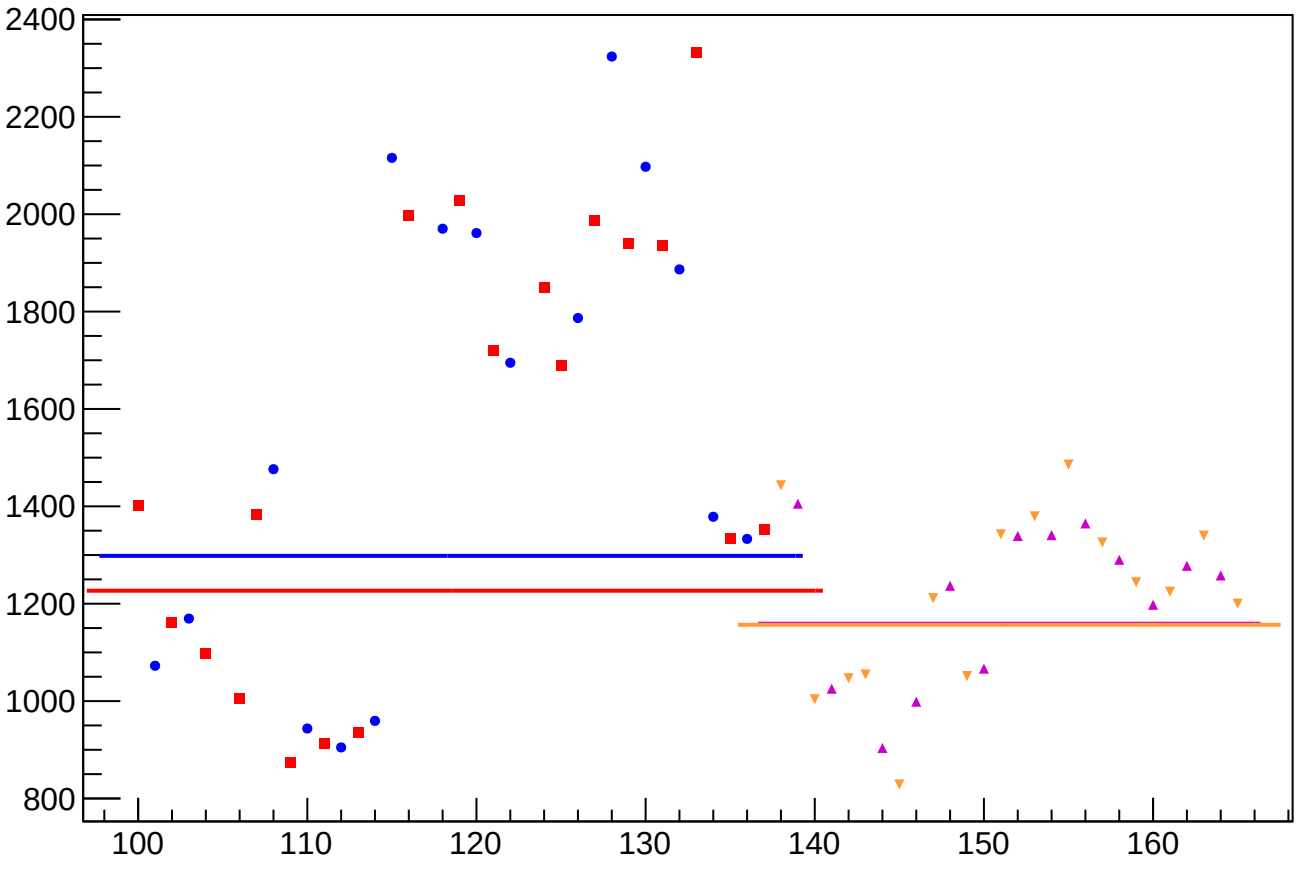
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -456.835+/-354.730 χ^2/NDF:7.6/12

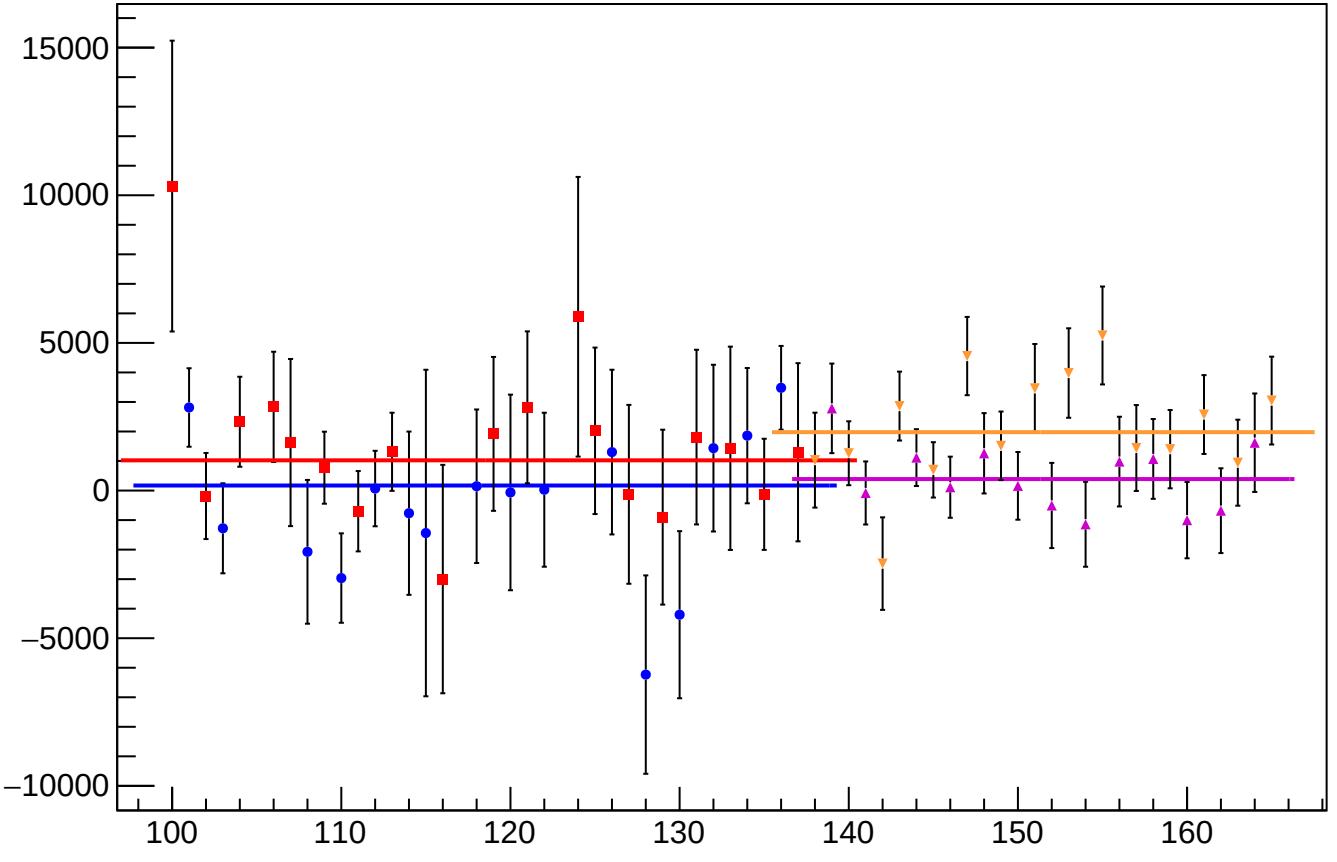
+ sign -1408.243+/-283.292 χ^2/NDF: 52.3/30

All: -1044.342+/-200.479 χ^2/NDF: 77.9/62

- sign -679.265+/-283.750 χ^2/NDF: 22.3/31


asym_sam_48_avg_eigen_dit_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1298.292+/-0.358 χ²/NDF: 1182127.2/15
Left Out: 1156.683+/-0.242 χ²/NDF:626409.3/14
Right Out: 1226.727+/-0.334 χ²/NDF: 1404524.7/18
Left In: 1158.976+/-0.251 χ²/NDF:429725.1/12
+ sign 1201.035+/-0.200 χ²/NDF: 1916032.1/30
All: 1192.220+/-0.142 χ²/NDF: 3780436.7/62
- sign 1183.377+/-0.201 χ²/NDF: 1860525.5/31

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1977.339+/-340.981 χ^2/NDF:23.4/14

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

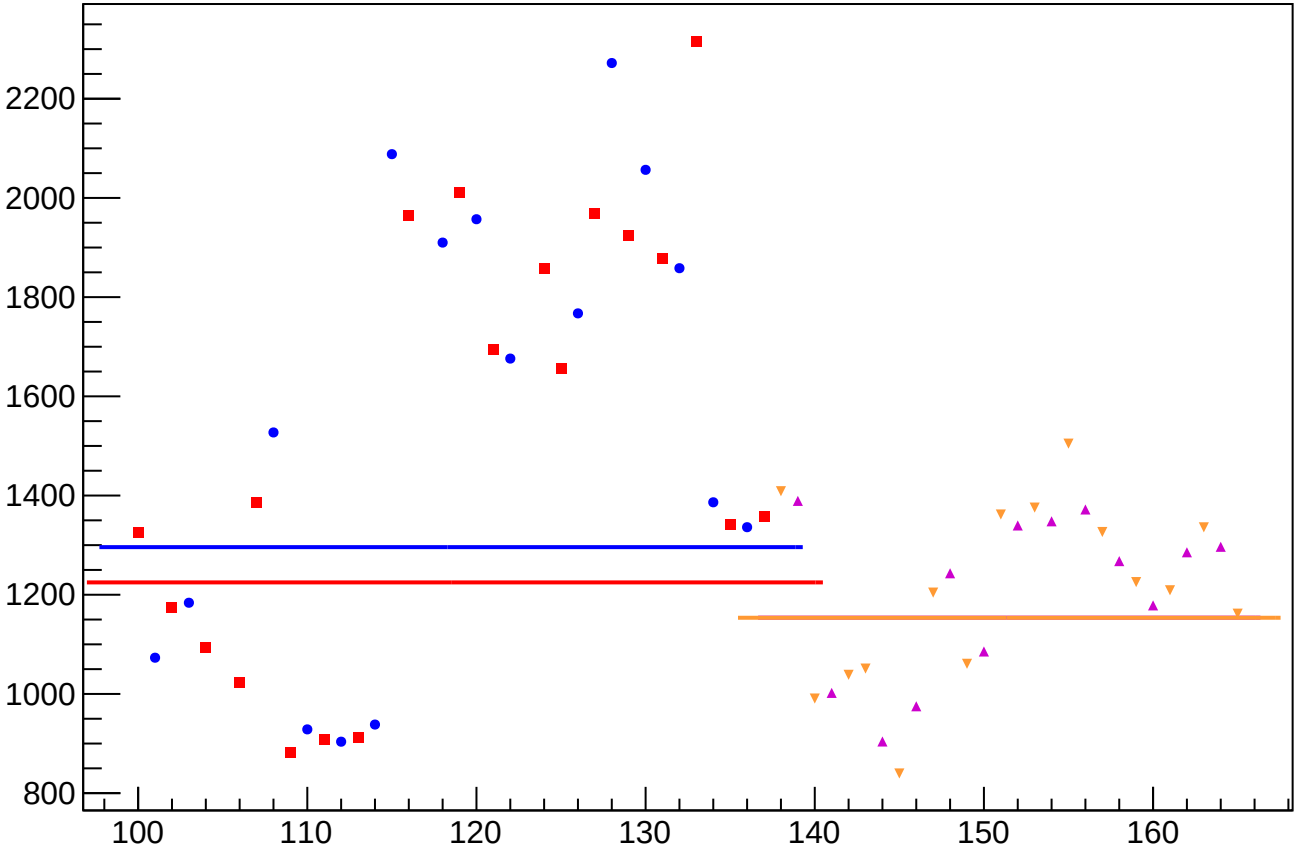
Left In: 389.550+/-353.234 χ^2/NDF:8.0/12

+ sign 1411.923+/-282.618 χ^2/NDF: 54.8/30

All: 1014.834+/-199.909 χ^2/NDF: 79.4/62

- sign 617.206+/-282.809 χ^2/NDF: 20.7/31

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1153.596+/-0.241 χ^2/NDF:601970.8/14

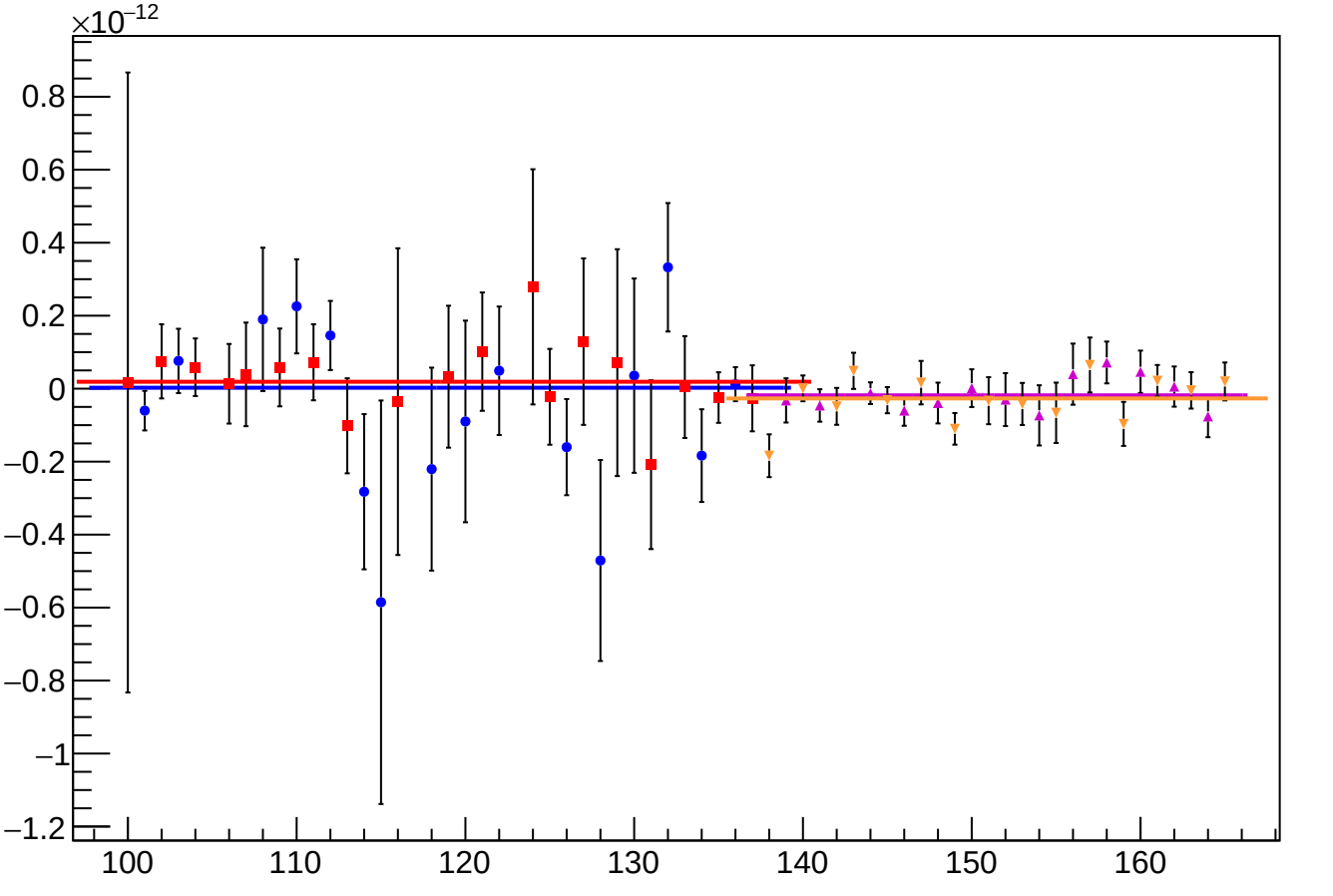
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1153.812+/-0.250 χ^2/NDF:455775.7/12

\+ sign 1198.168+/-0.200 χ^2/NDF: 1865330.4/30

All: 1188.752+/-0.141 χ^2/NDF: 3725891.1/62

\- sign 1179.322+/-0.200 χ^2/NDF: 1856117.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

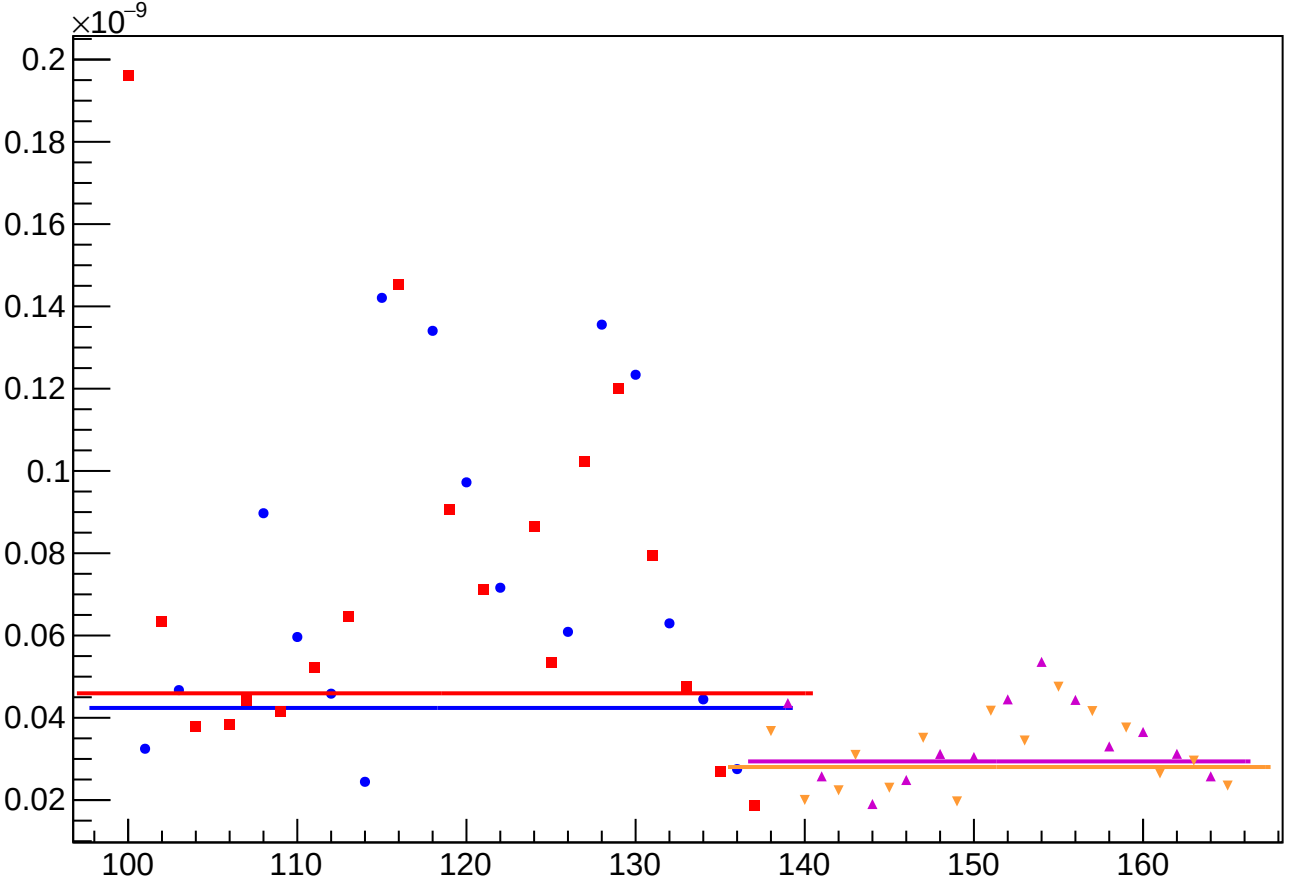
Left In: -0.000+/-0.000 χ^2/NDF:7.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/30

All: -0.000+/-0.000 χ^2/NDF: 57.1/62

- sign -0.000+/-0.000 χ^2/NDF: 13.7/31

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:683143.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

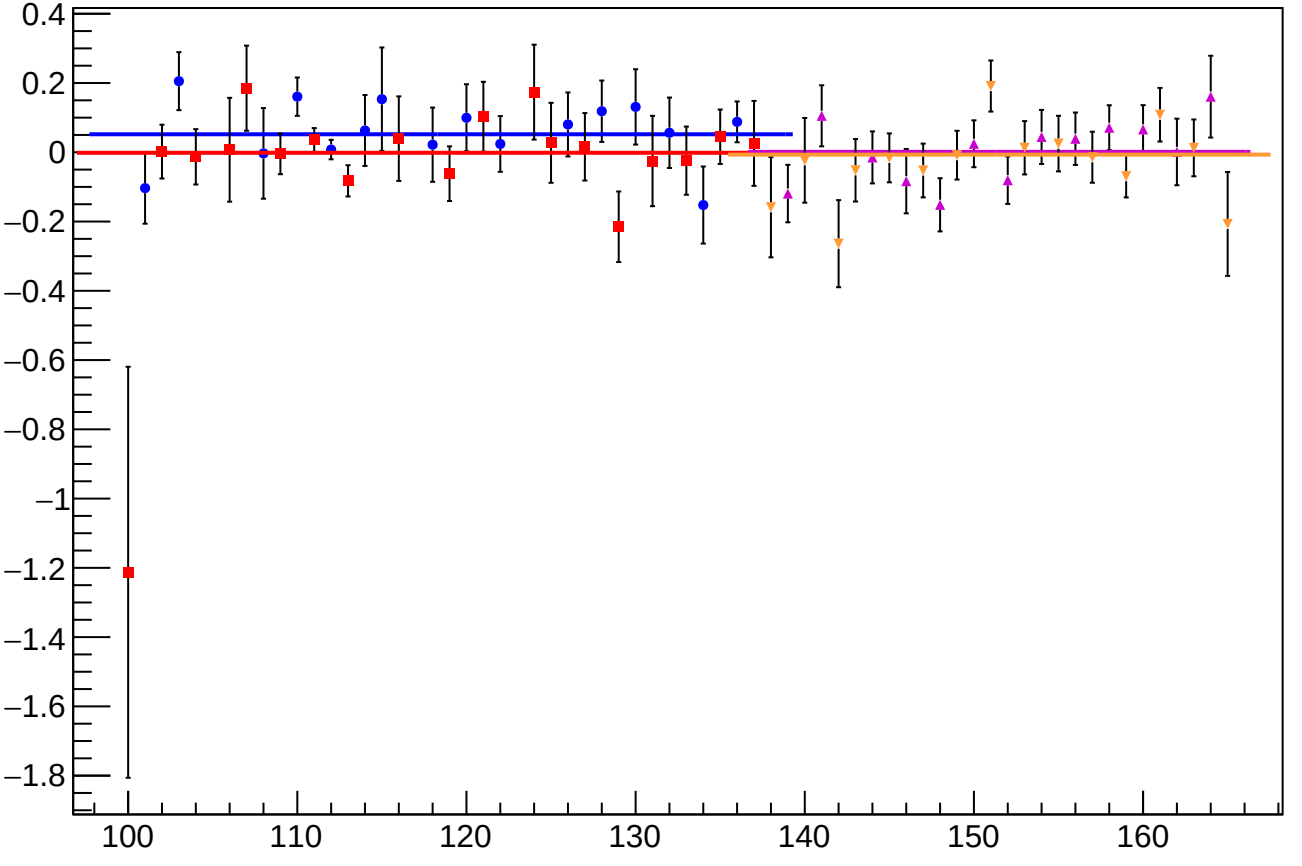
Left In: 0.000+/-0.000 χ^2/NDF:762192.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 2488660.8/30

All: 0.000+/-0.000 χ^2/NDF: 4920981.2/62

- sign 0.000+/-0.000 χ^2/NDF: 2408443.9/31

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

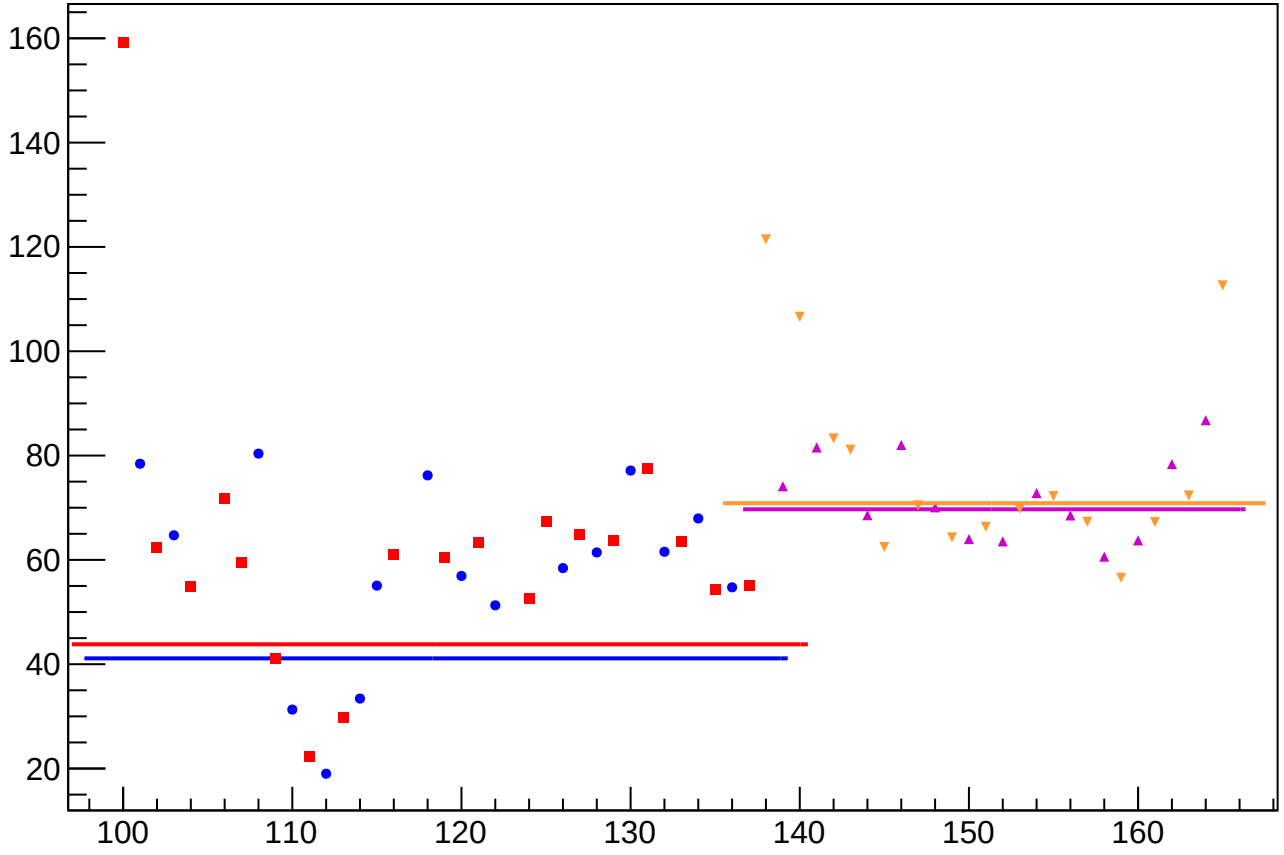
Left In: 0.001+/-0.022 χ^2/NDF:14.3/12

+ sign 0.028+/-0.014 χ^2/NDF: 40.9/30

All: 0.014+/-0.010 χ^2/NDF: 76.5/62

- sign -0.000+/-0.014 χ^2/NDF: 33.5/31

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.866+/-0.015 χ^2/NDF:787894.5/14

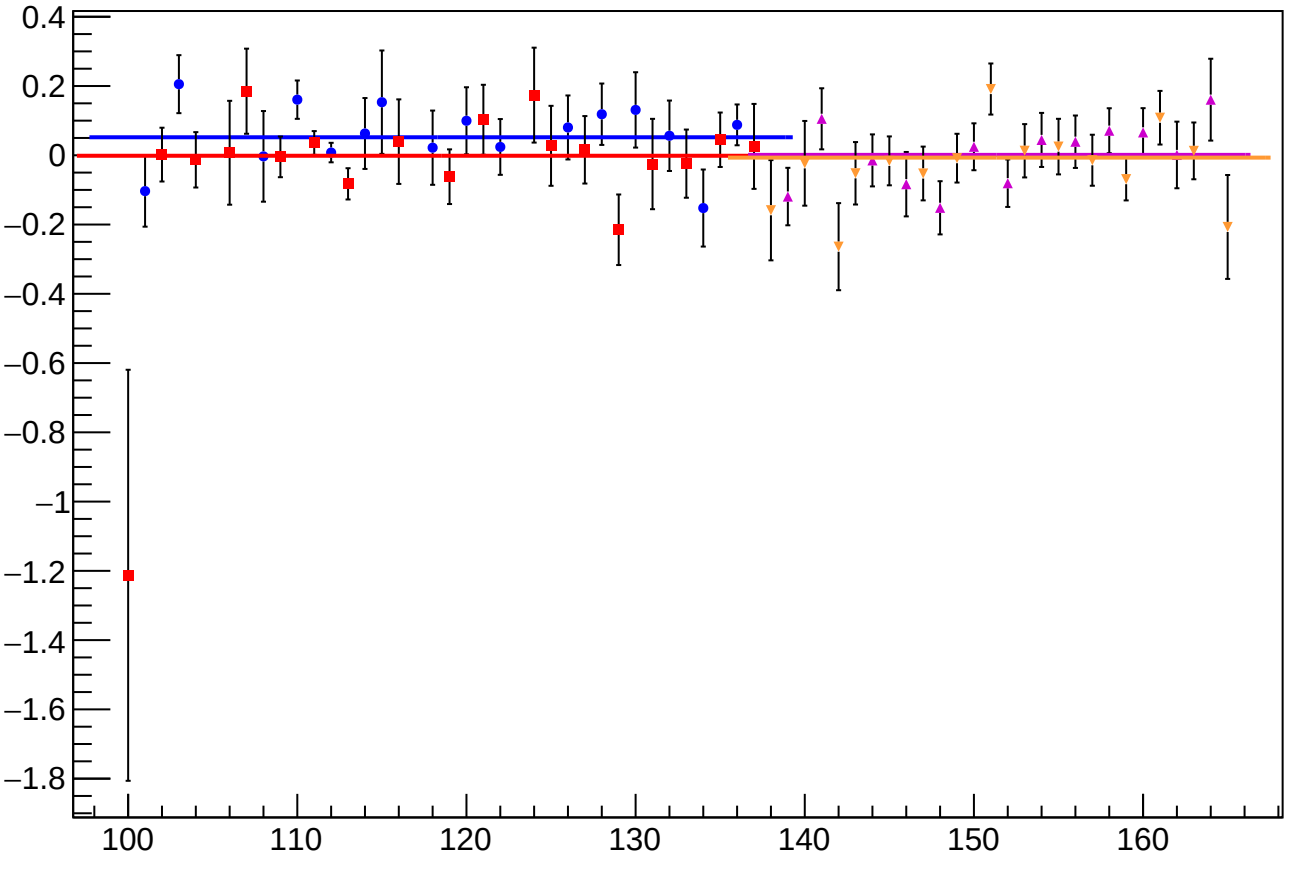
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.697+/-0.015 χ^2/NDF:223198.0/12

+ sign 53.271+/-0.010 χ^2/NDF: 6002000.2/30

All: 53.792+/-0.007 χ^2/NDF: 9972479.2/62

- sign 54.324+/-0.010 χ^2/NDF: 3964611.5/31



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

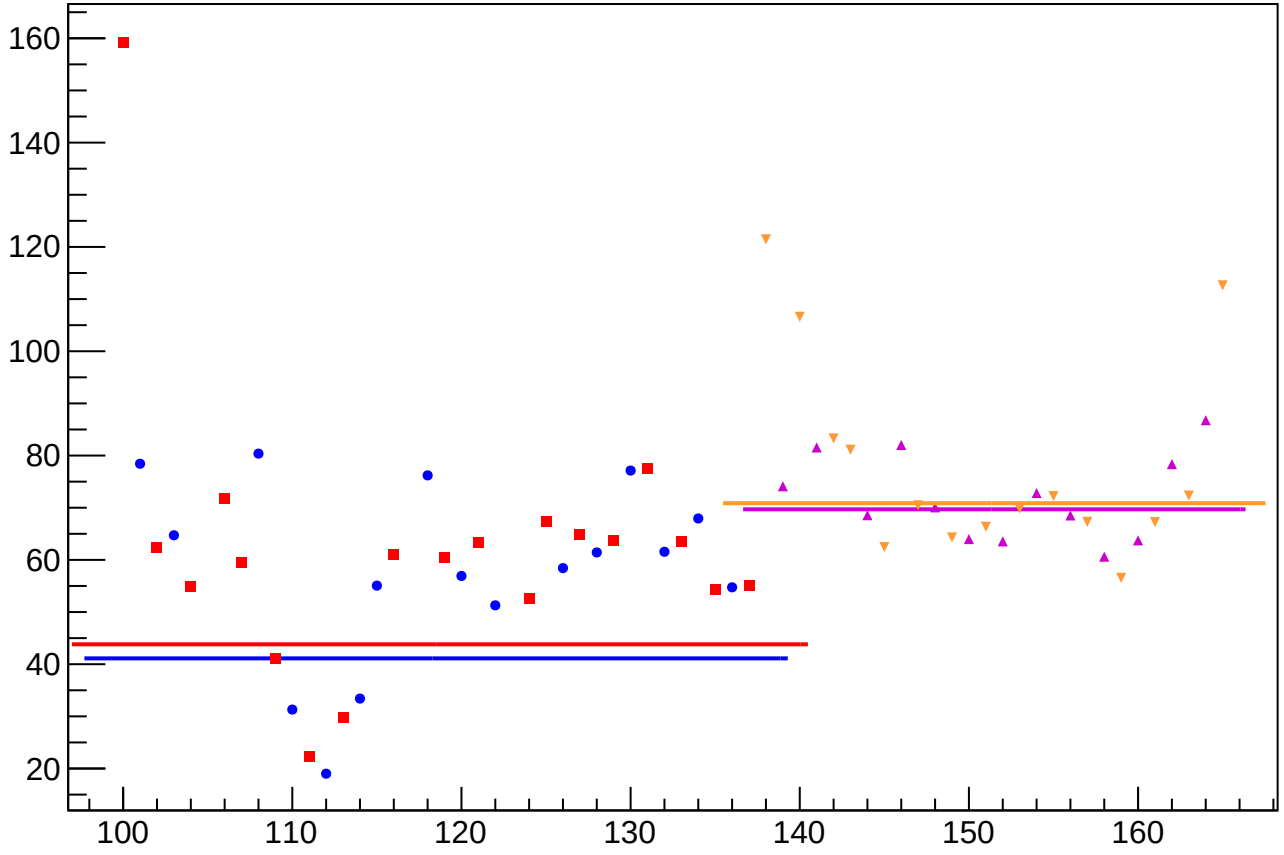
Left In: 0.001+/-0.022 χ^2/NDF:14.3/12

+ sign 0.028+/-0.014 χ^2/NDF: 40.9/30

All: 0.014+/-0.010 χ^2/NDF: 76.5/62

- sign -0.000+/-0.014 χ^2/NDF: 33.5/31

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.866+/-0.015 χ^2/NDF:787894.5/14

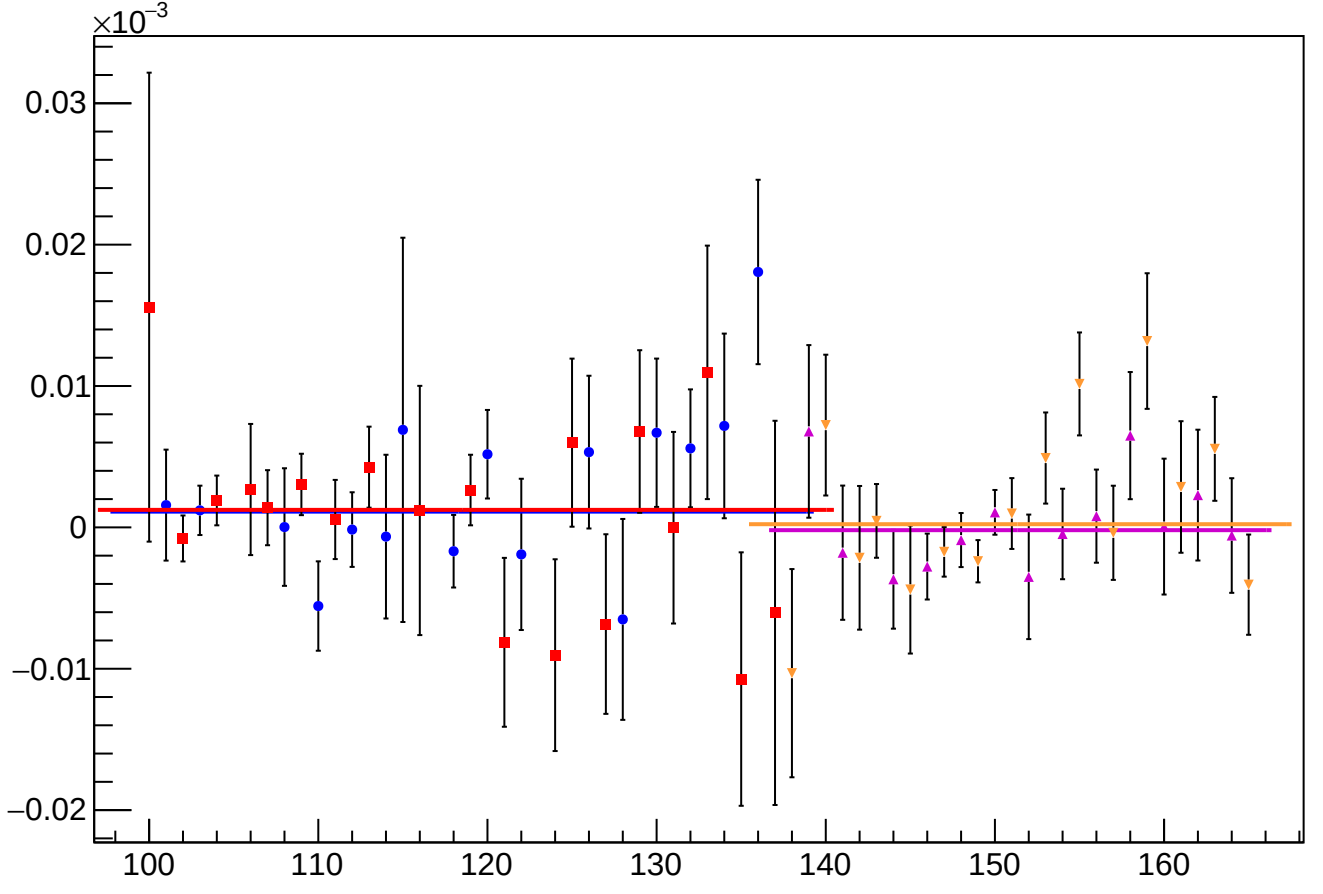
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.697+/-0.015 χ^2/NDF:223198.0/12

+ sign 53.271+/-0.010 χ^2/NDF: 6002000.2/30

All: 53.792+/-0.007 χ^2/NDF: 9972479.2/62

- sign 54.324+/-0.010 χ^2/NDF: 3964611.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.4/14

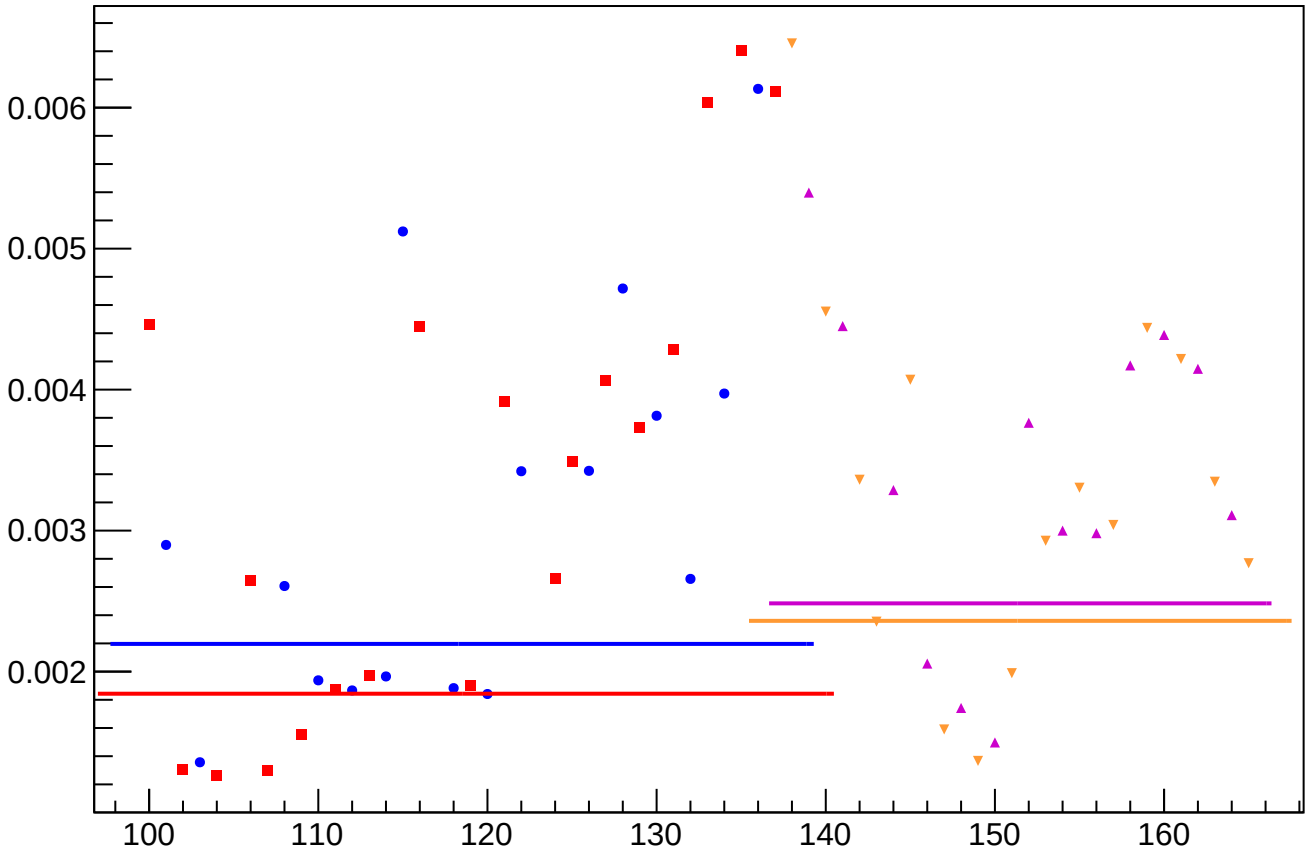
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 50.9/30

All: 0.000+/-0.000 χ^2/NDF: 76.0/62

- sign 0.000+/-0.000 χ^2/NDF: 25.1/31



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3826411.1/14

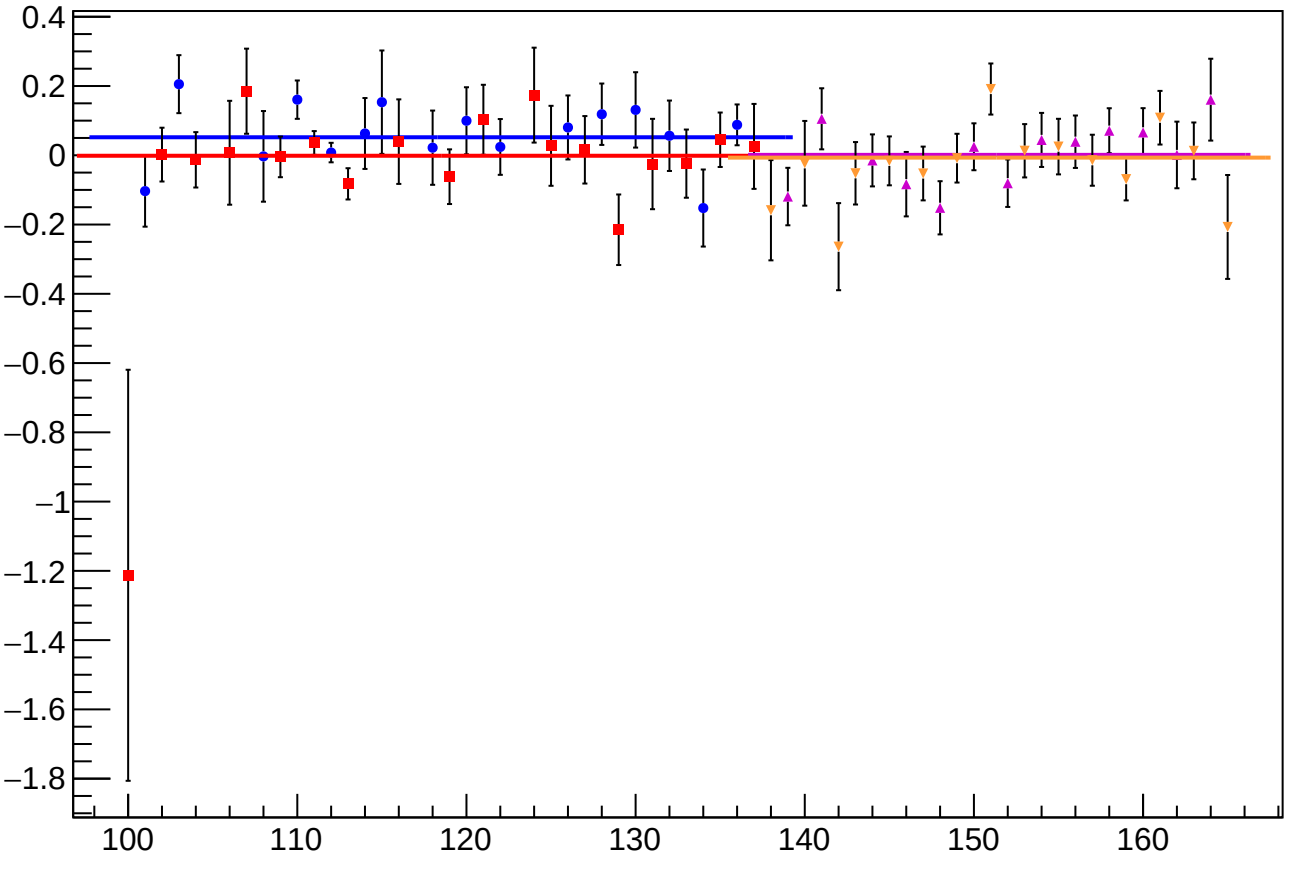
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3218108.7/12

+ sign 0.002+/-0.000 χ^2/NDF: 6157492.2/30

All: 0.002+/-0.000 χ^2/NDF: 13232363.5/62

- sign 0.002+/-0.000 χ^2/NDF: 7001085.0/31



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

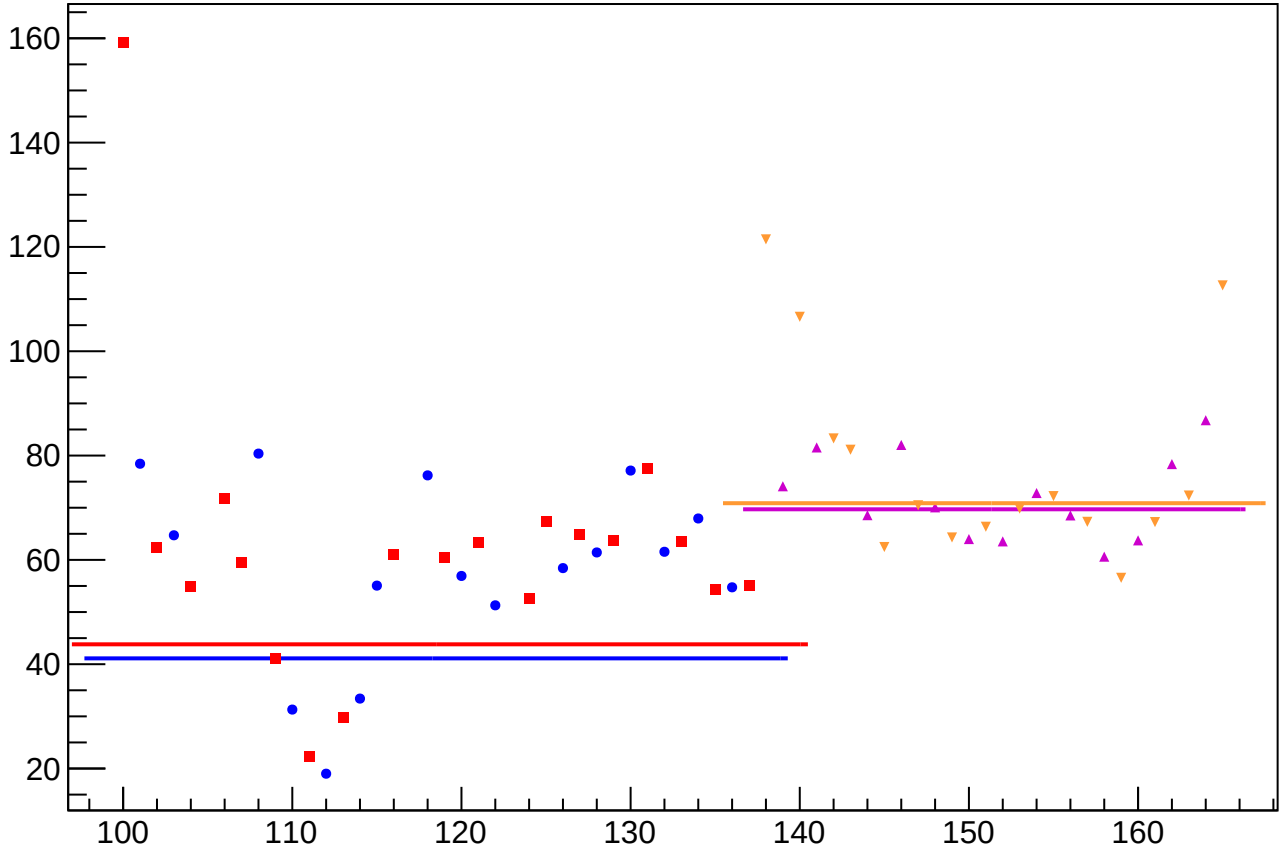
Left In: 0.001+/-0.022 χ^2/NDF:14.3/12

+ sign 0.028+/-0.014 χ^2/NDF: 40.9/30

All: 0.014+/-0.010 χ^2/NDF: 76.5/62

- sign -0.000+/-0.014 χ^2/NDF: 33.5/31

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: 70.867+/-0.015 χ^2/NDF:787875.4/14

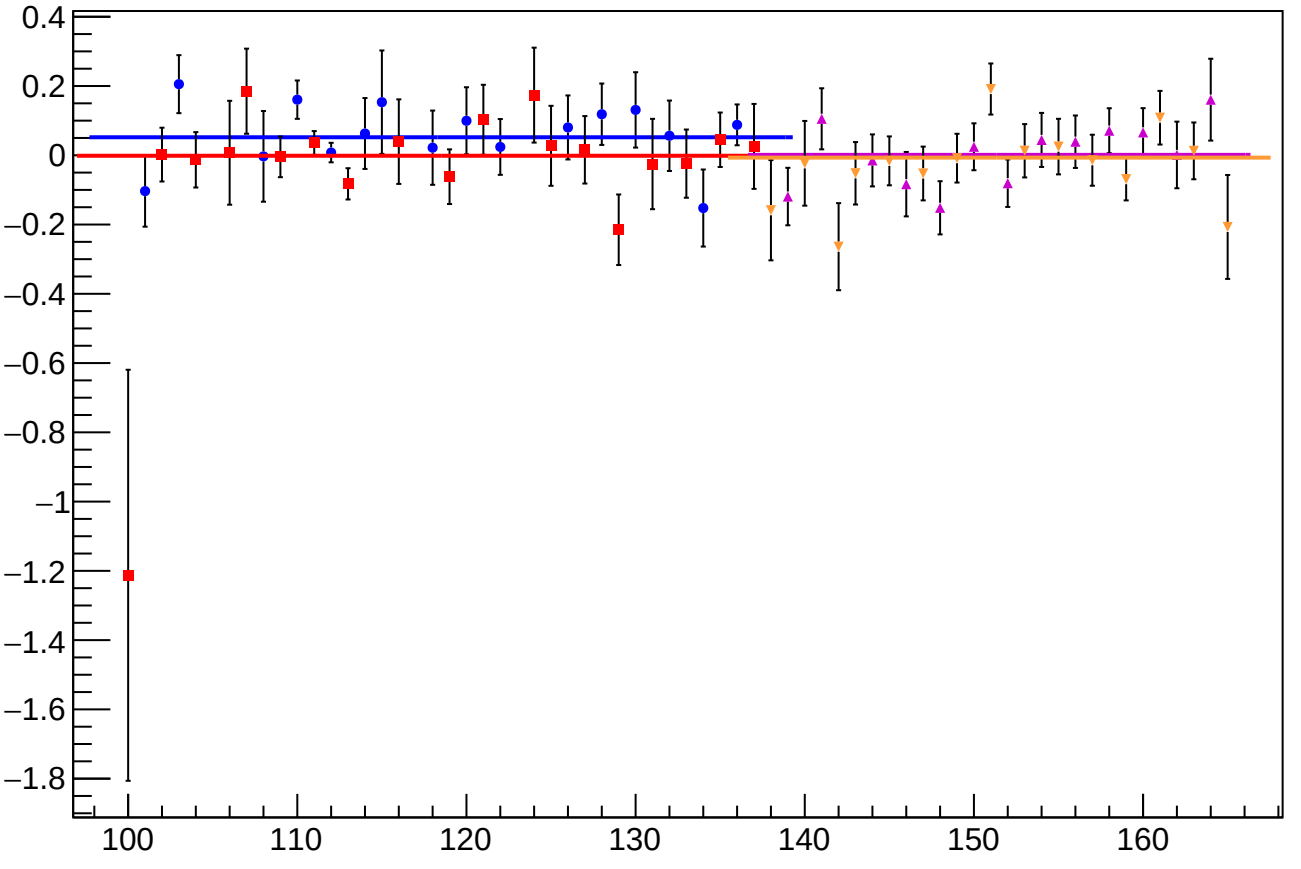
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.698+/-0.015 χ^2/NDF:223198.0/12

\+ sign 53.271+/-0.010 χ^2/NDF: 6002401.8/30

All: 53.792+/-0.007 χ^2/NDF: 9973266.8/62

\- sign 54.324+/-0.010 χ^2/NDF: 3964996.7/31



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.021 χ^2/NDF:18.4/14

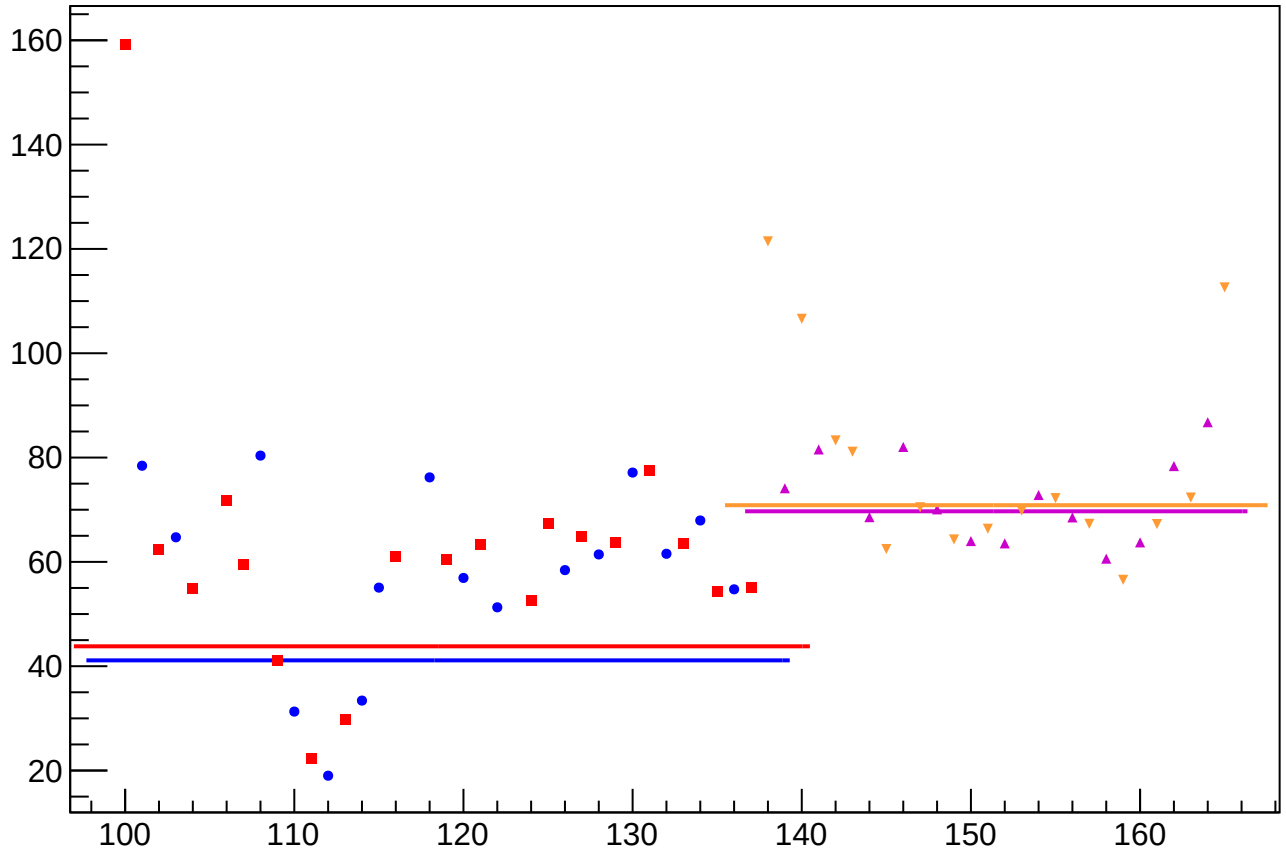
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.001+/-0.022 χ^2/NDF:14.3/12

+ sign 0.028+/-0.014 χ^2/NDF: 40.9/30

All: 0.014+/-0.010 χ^2/NDF: 76.5/62

- sign -0.000+/-0.014 χ^2/NDF: 33.5/31



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.867+/-0.015 χ^2/NDF:787875.4/14

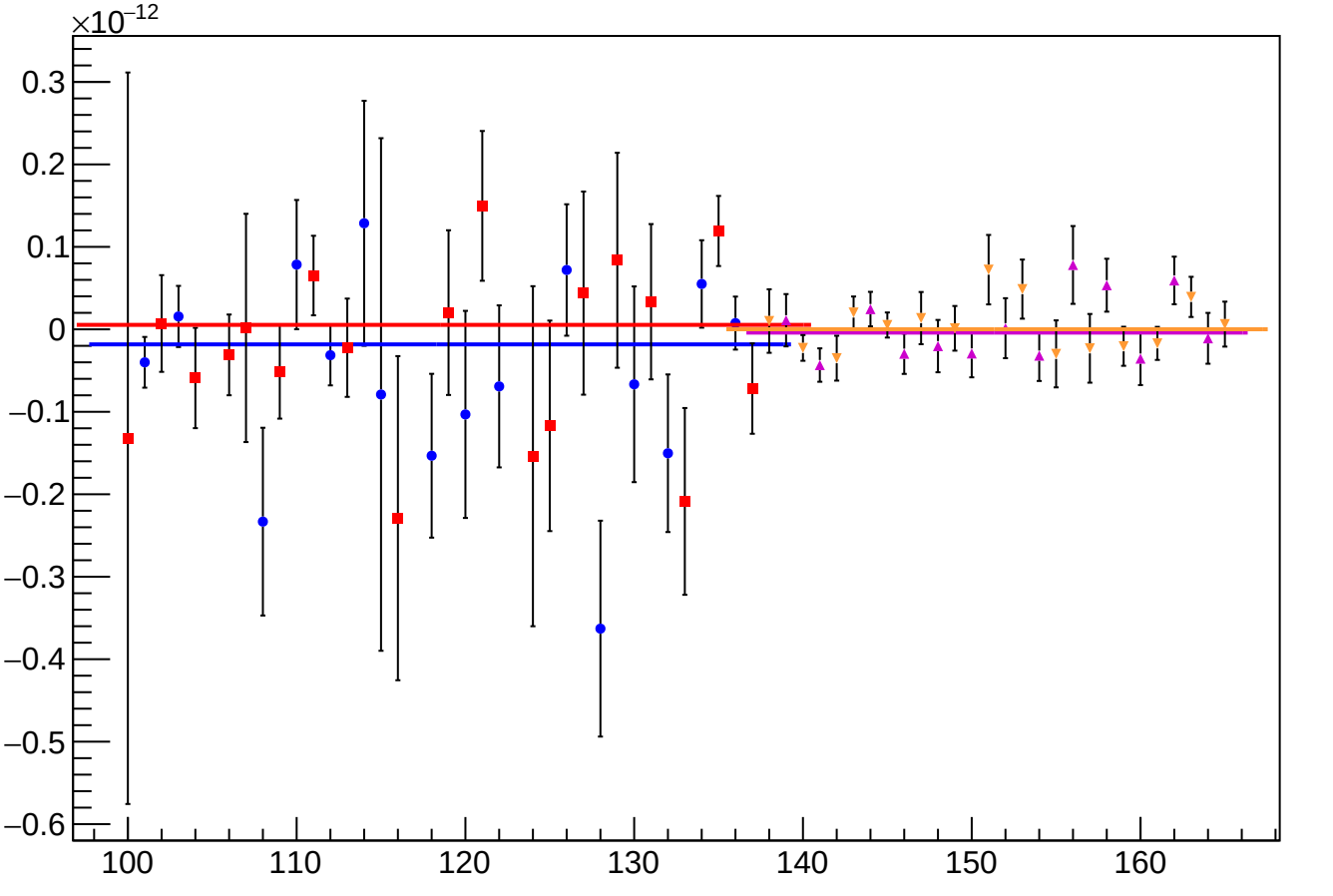
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.698+/-0.015 χ^2/NDF:223198.0/12

+ sign 53.271+/-0.010 χ^2/NDF: 6002401.8/30

All: 53.792+/-0.007 χ^2/NDF: 9973266.8/62

- sign 54.324+/-0.010 χ^2/NDF: 3964996.7/31



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.0/14

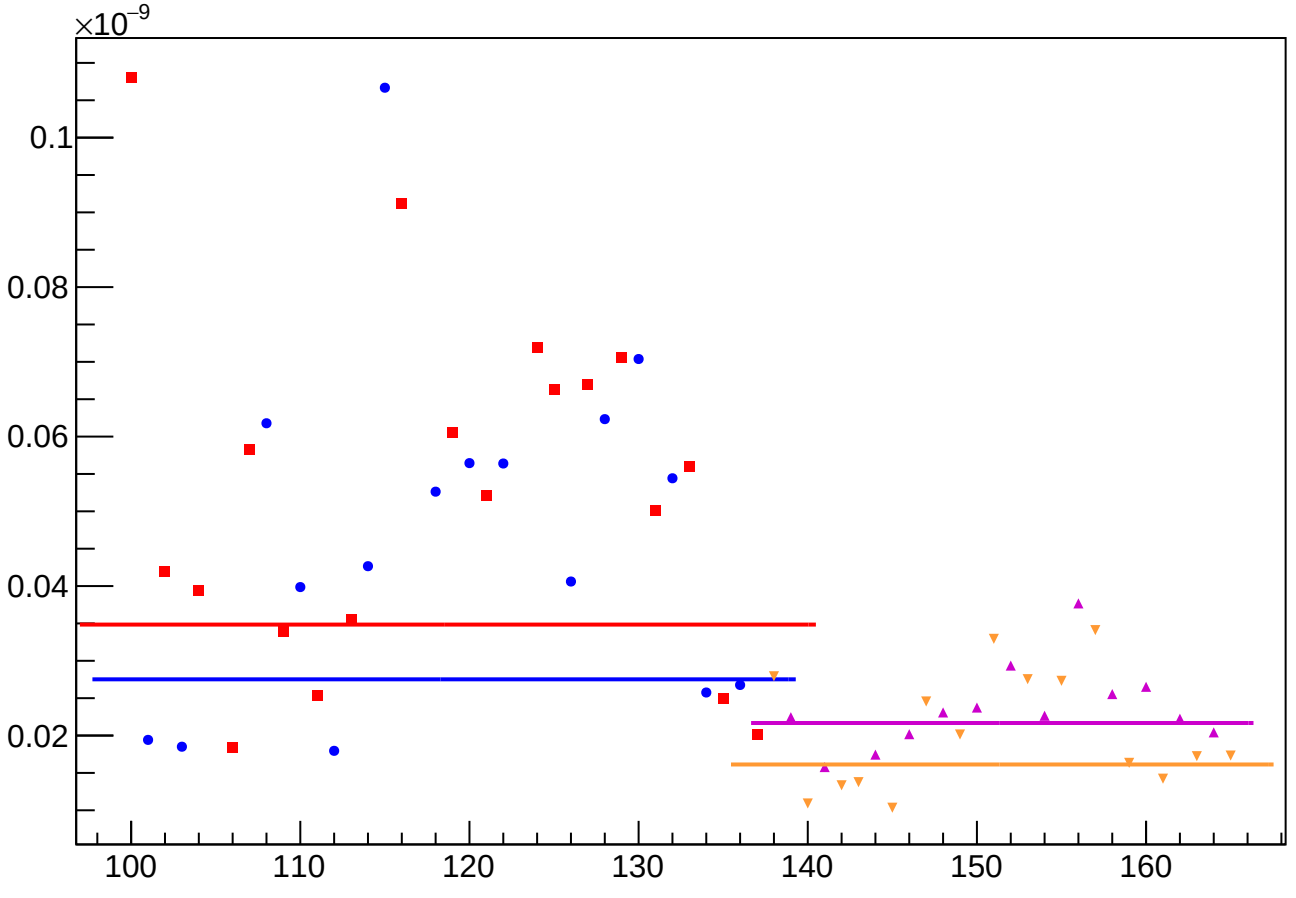
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:20.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 39.3/30

All: -0.000+/-0.000 χ^2/NDF: 83.8/62

- sign -0.000+/-0.000 χ^2/NDF: 44.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2009519.1/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

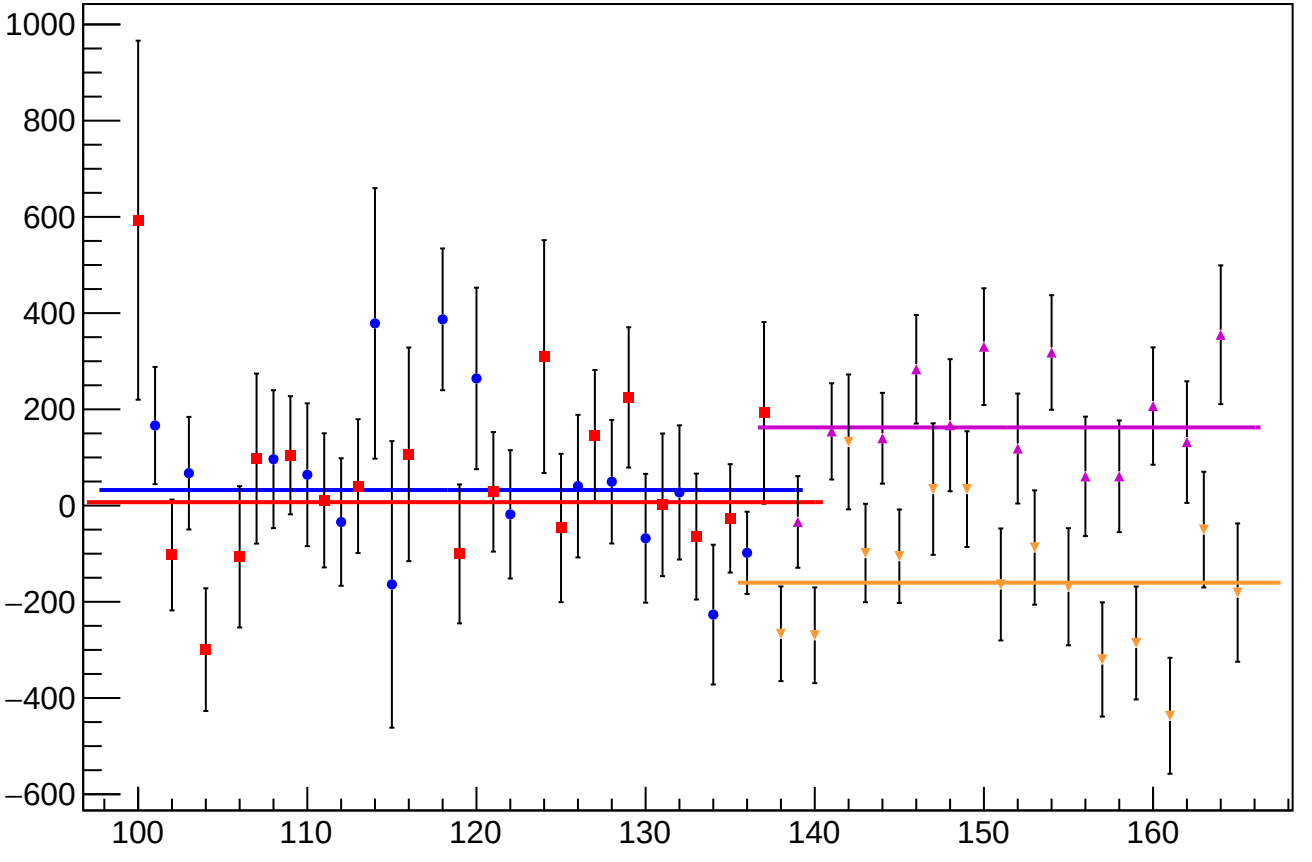
Left In: 0.000+/-0.000 χ^2/NDF:674126.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 4859445.1/30

All: 0.000+/-0.000 χ^2/NDF: 9122452.9/62

- sign 0.000+/-0.000 χ^2/NDF: 3367599.4/31

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.311+/-29.860 χ^2/NDF:21.5/14

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

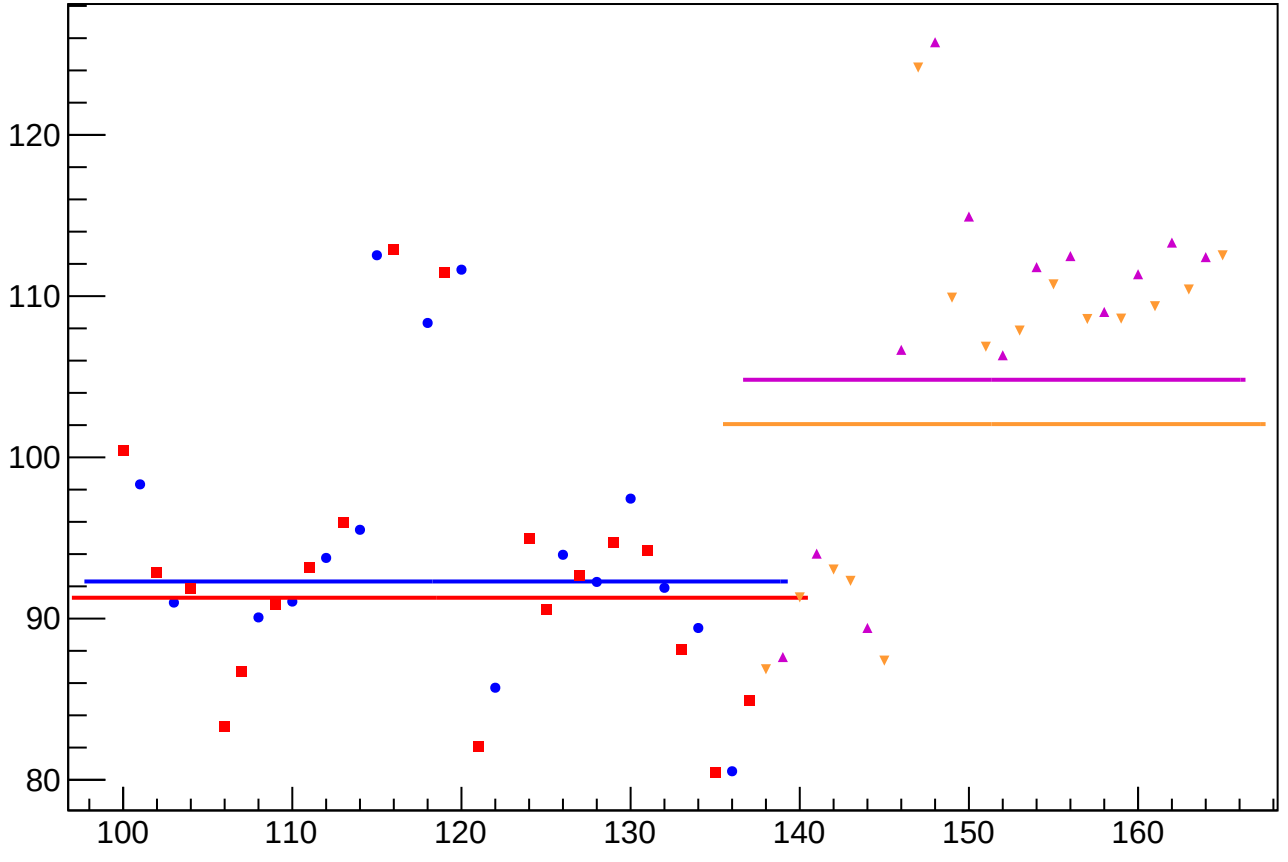
Left In: 162.381+/-31.843 χ^2/NDF:12.6/12

+ sign -77.627+/-22.558 χ^2/NDF: 56.7/30

All: 3.618+/-16.123 χ^2/NDF: 124.9/62

- sign 88.476+/-23.054 χ^2/NDF: 41.7/31

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.063+/-0.021 χ^2/NDF:262127.3/14

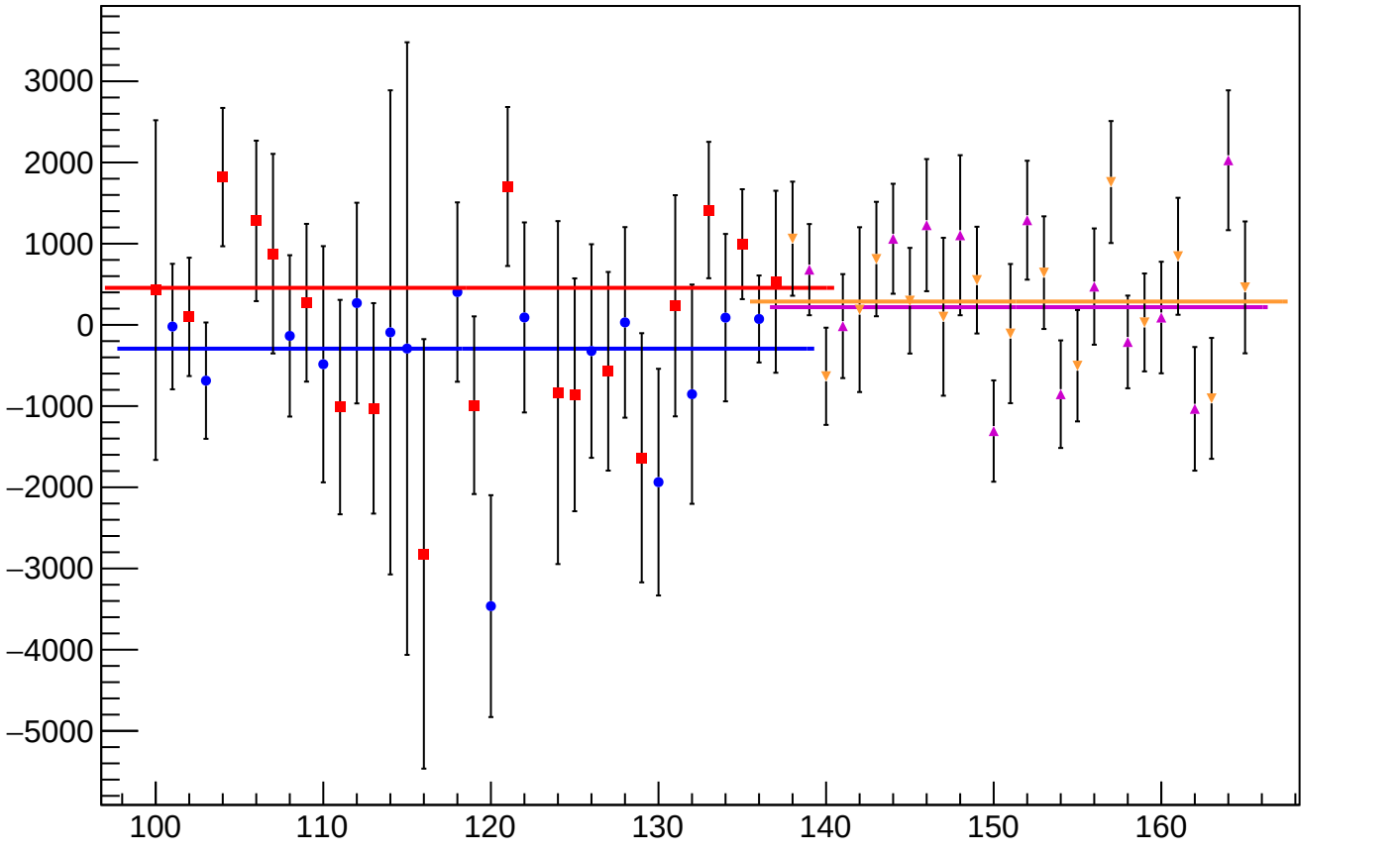
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

+ sign 97.873+/-0.016 χ^2/NDF: 460937.2/30

All: 98.121+/-0.011 χ^2/NDF: 978627.1/62

- sign 98.380+/-0.016 χ^2/NDF: 517196.0/31



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 287.485+/-186.106 χ^2/NDF:13.4/14

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

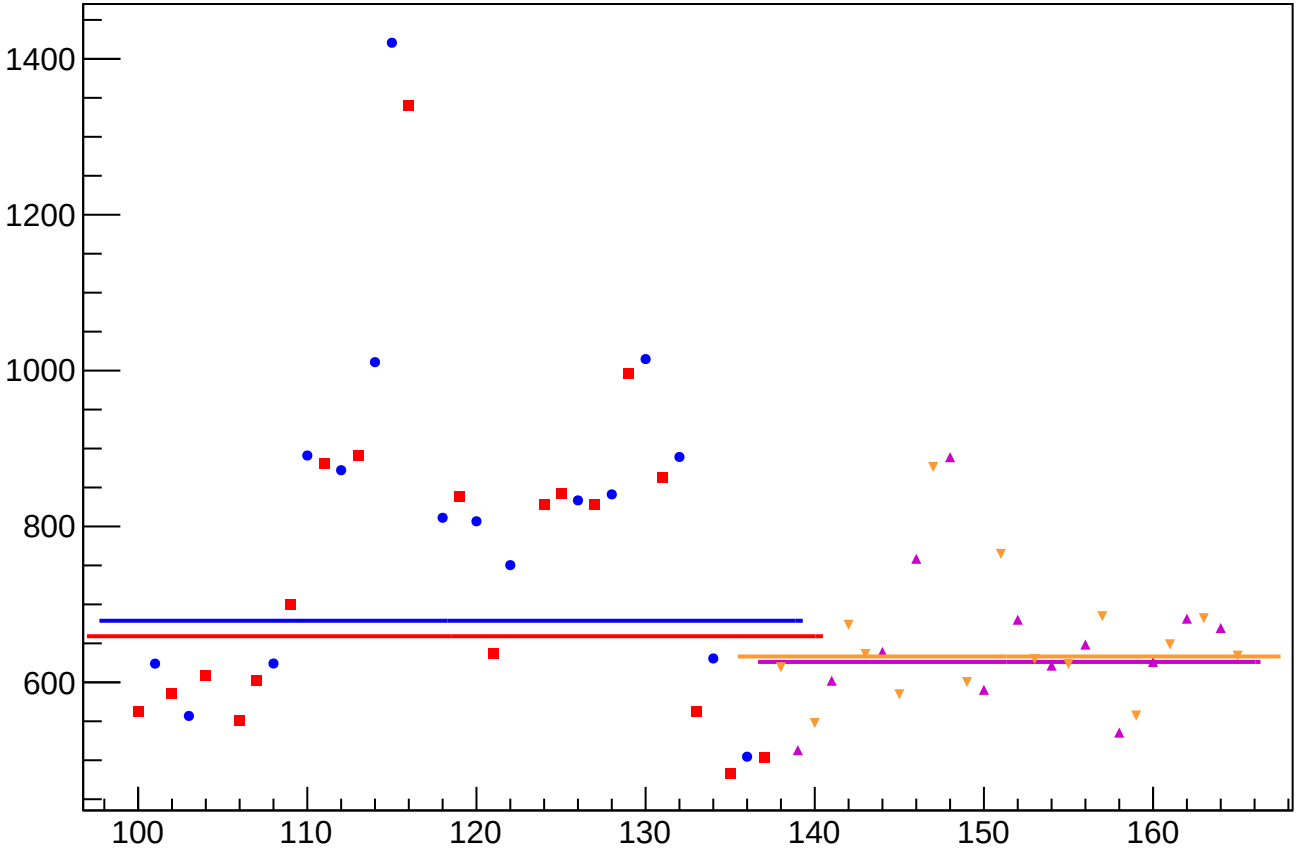
Left In: 218.033+/-191.542 χ^2/NDF:23.3/12

\+ sign 90.603+/-151.272 χ^2/NDF: 25.5/30

All: 198.238+/-107.136 χ^2/NDF: 67.2/62

\- sign 306.562+/-151.755 χ^2/NDF: 40.7/31

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 633.171+/-0.132 χ^2/NDF:284142.8/14

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

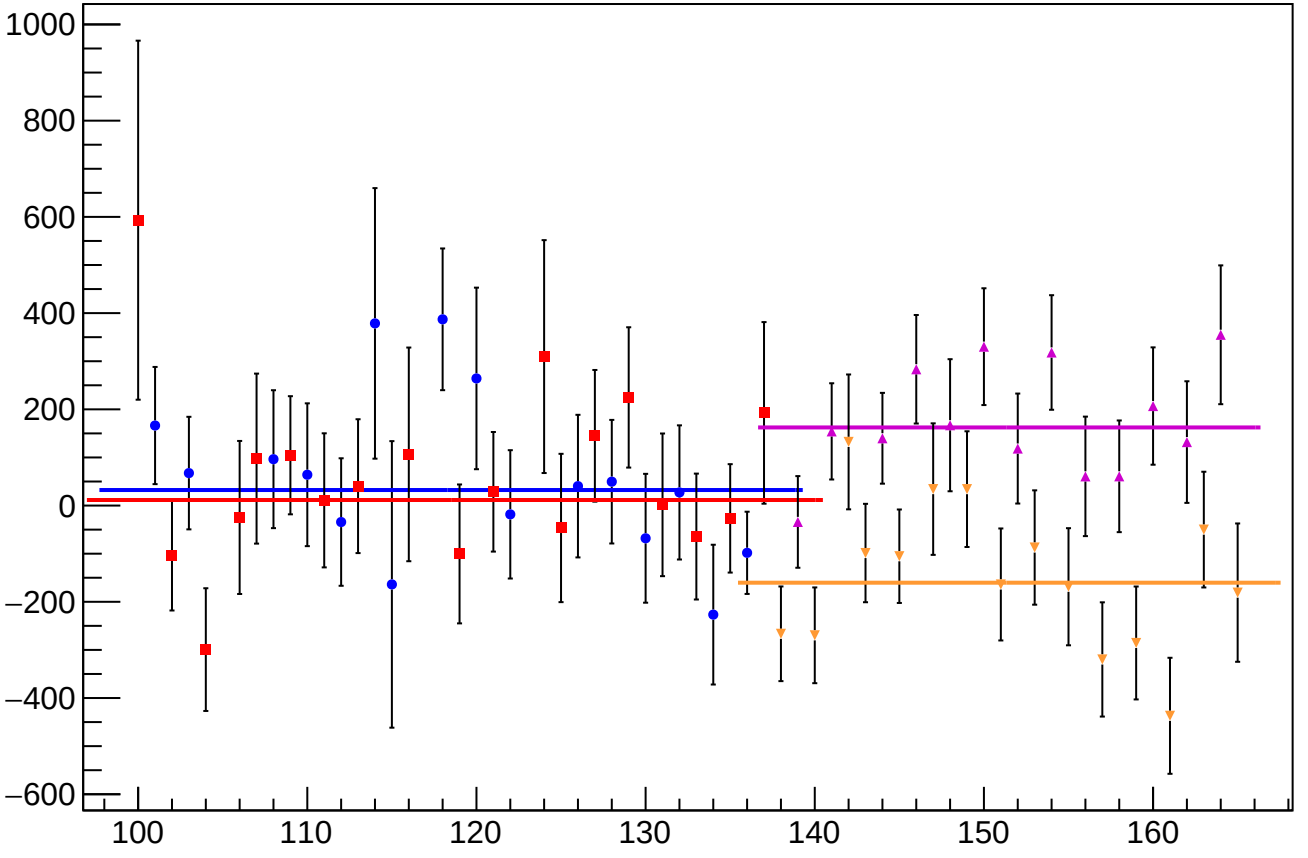
Left In: 626.151+/-0.135 χ^2/NDF:365622.5/12

+ sign 648.722+/-0.107 χ^2/NDF: 1093283.3/30

All: 643.593+/-0.076 χ^2/NDF: 2281474.5/62

- sign 638.430+/-0.107 χ^2/NDF: 1183576.9/31

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.308+/-29.860 χ^2/NDF:21.5/14

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

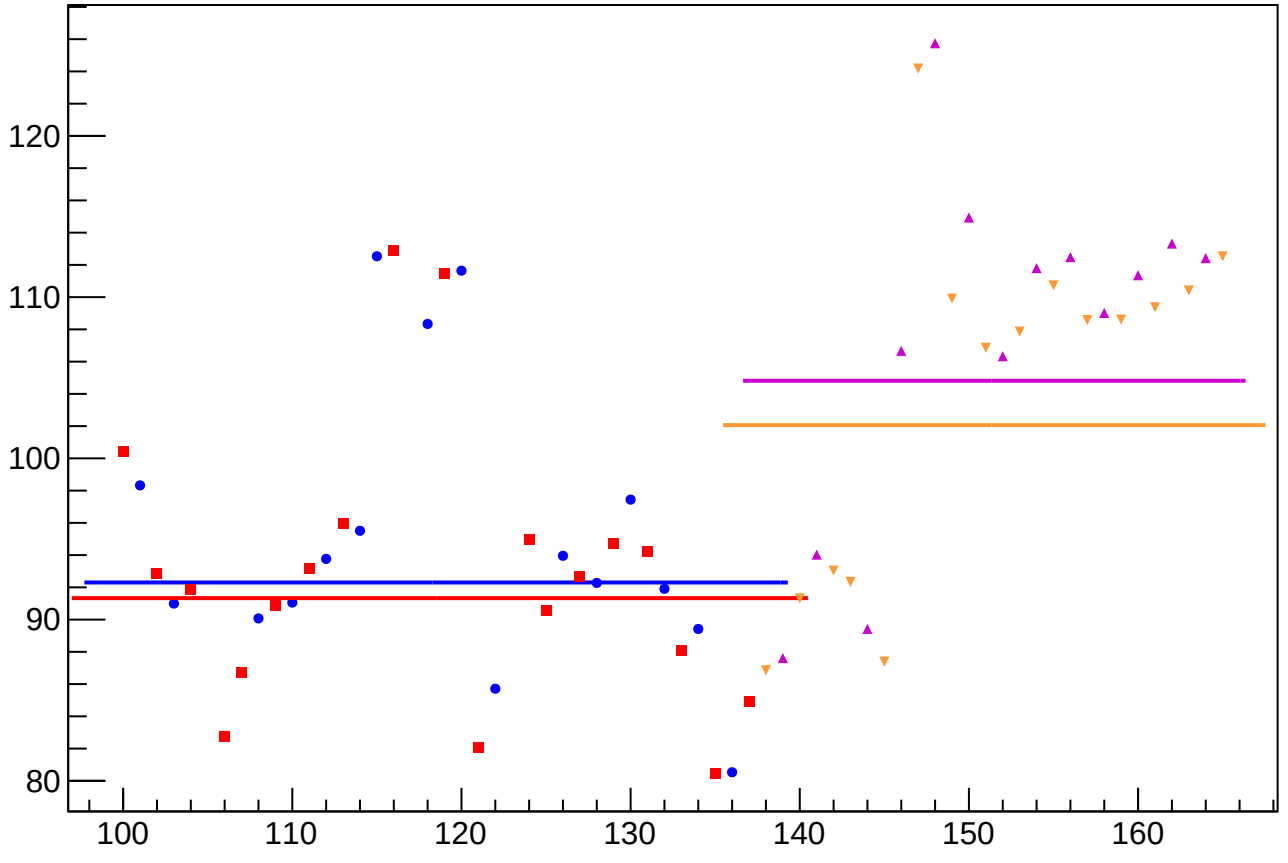
Left In: 162.384+/-31.843 χ^2/NDF:12.6/12

+ sign -77.619+/-22.558 χ^2/NDF: 56.7/30

All: 4.659+/-16.138 χ^2/NDF: 124.4/62

- sign 90.910+/-23.096 χ^2/NDF: 40.5/31

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.063+/-0.021 χ^2/NDF:262127.3/14

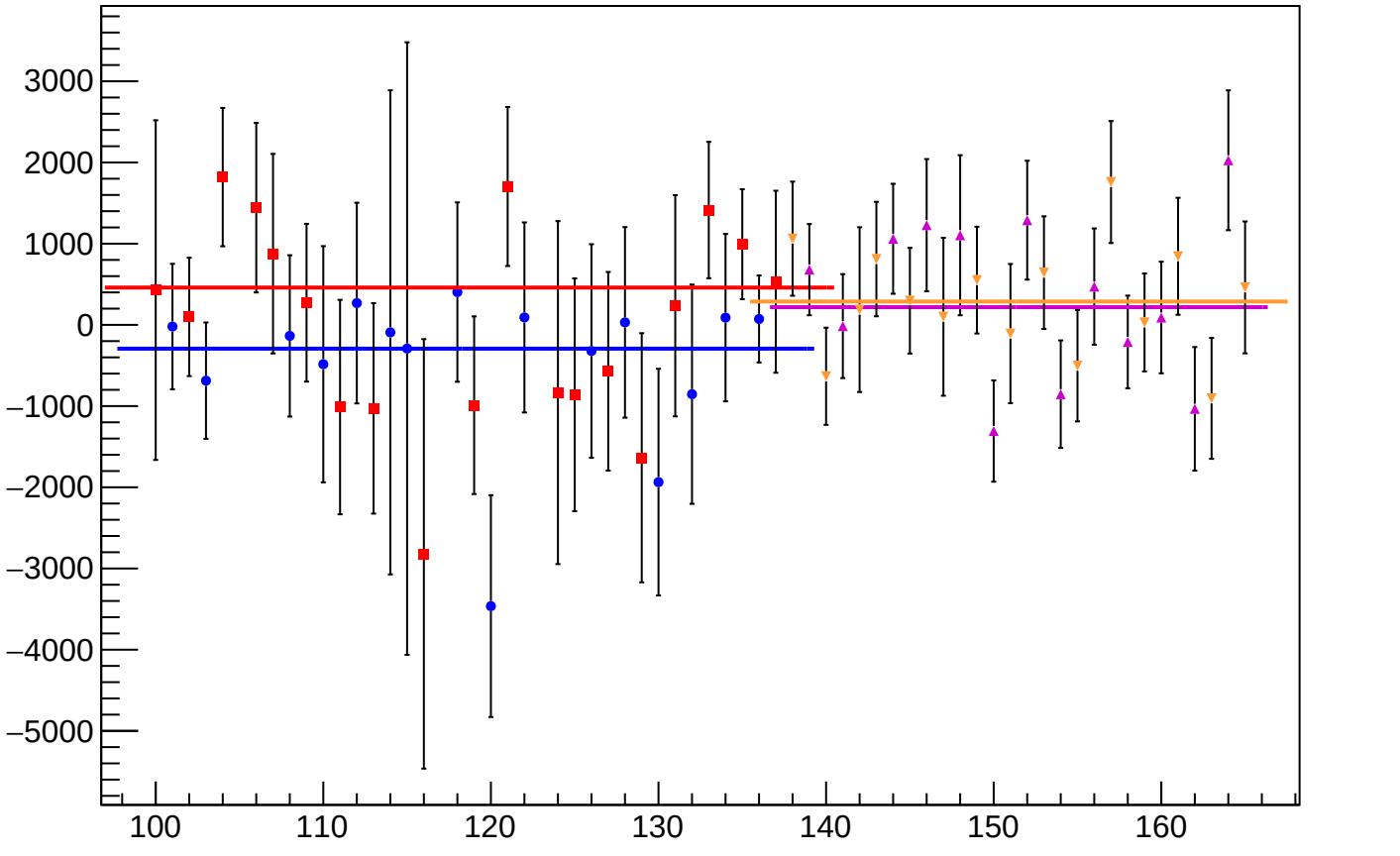
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

+ sign 97.873+/-0.016 χ^2/NDF: 460937.2/30

All: 98.142+/-0.011 χ^2/NDF: 976879.1/62

- sign 98.424+/-0.016 χ^2/NDF: 515359.6/31



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 287.483+/-186.106 χ^2/NDF:13.4/14

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

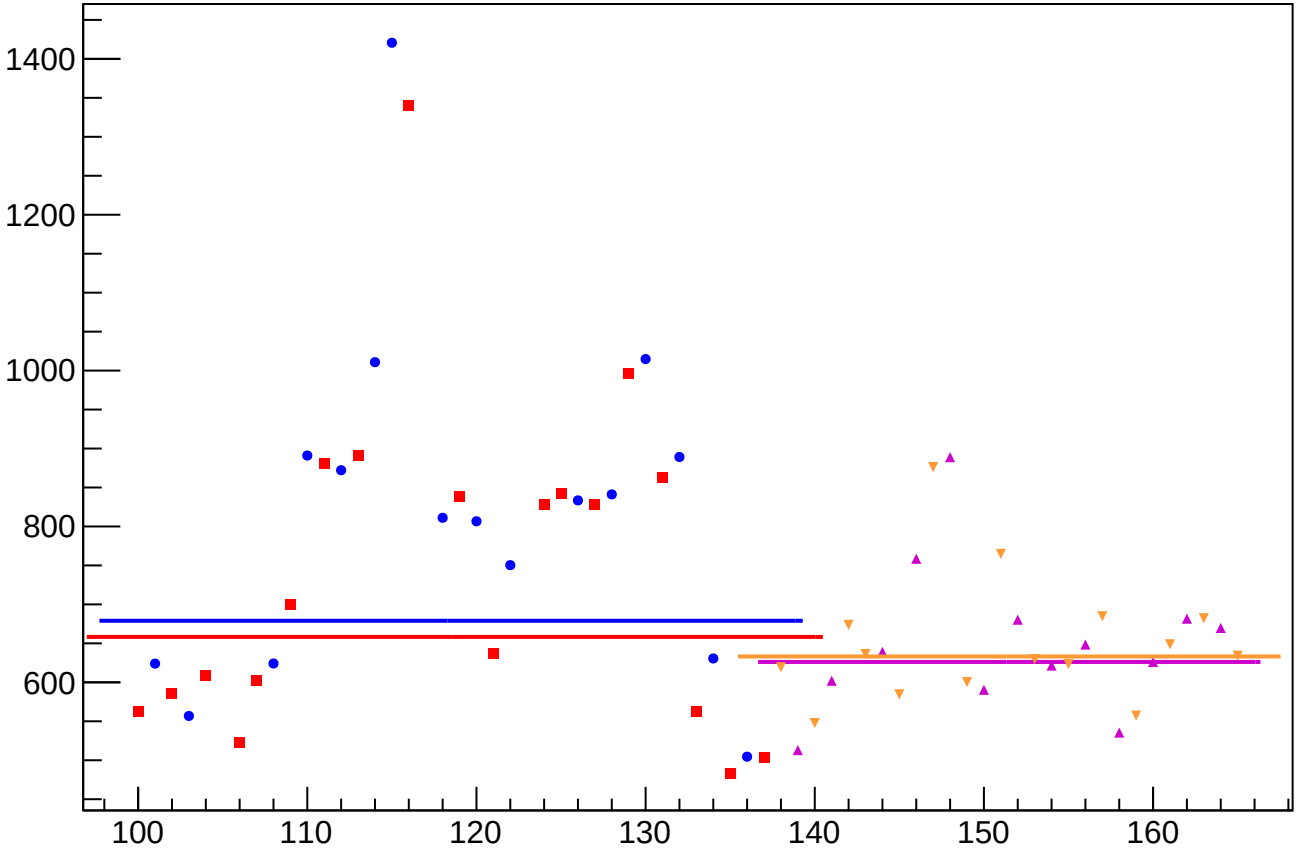
Left In: 218.034+/-191.542 χ^2/NDF:23.3/12

\+ sign 90.603+/-151.272 χ^2/NDF: 25.5/30

All: 198.617+/-107.202 χ^2/NDF: 67.4/62

\- sign 307.591+/-151.943 χ^2/NDF: 40.9/31

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.171+/-0.132 χ^2/NDF:284143.8/14

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

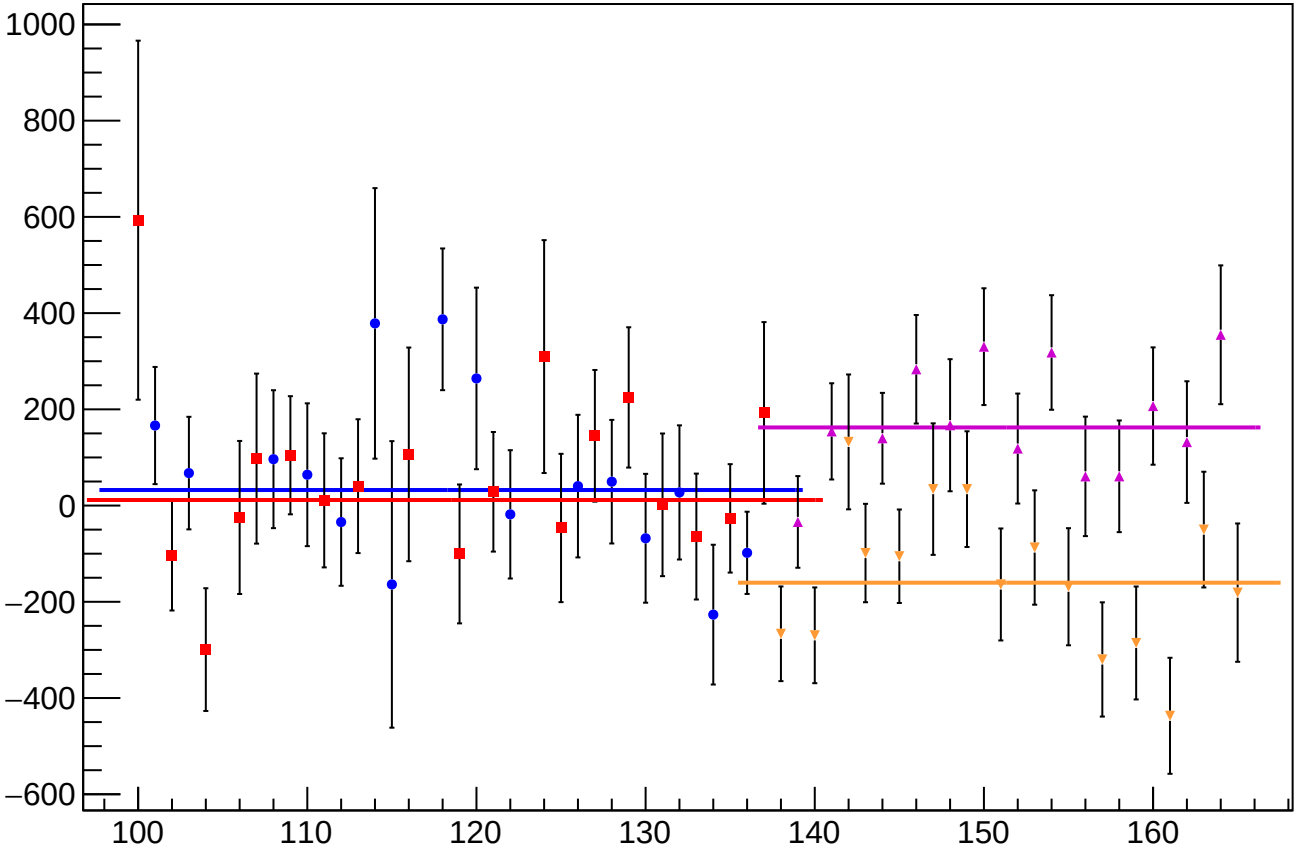
Left In: 626.152+/-0.135 χ^2/NDF:365622.6/12

+ sign 648.722+/-0.107 χ^2/NDF: 1093285.4/30

All: 643.413+/-0.076 χ^2/NDF: 2290593.6/62

- sign 638.056+/-0.107 χ^2/NDF: 1192358.6/31

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -160.308+/-29.860 χ^2/NDF:21.5/14

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

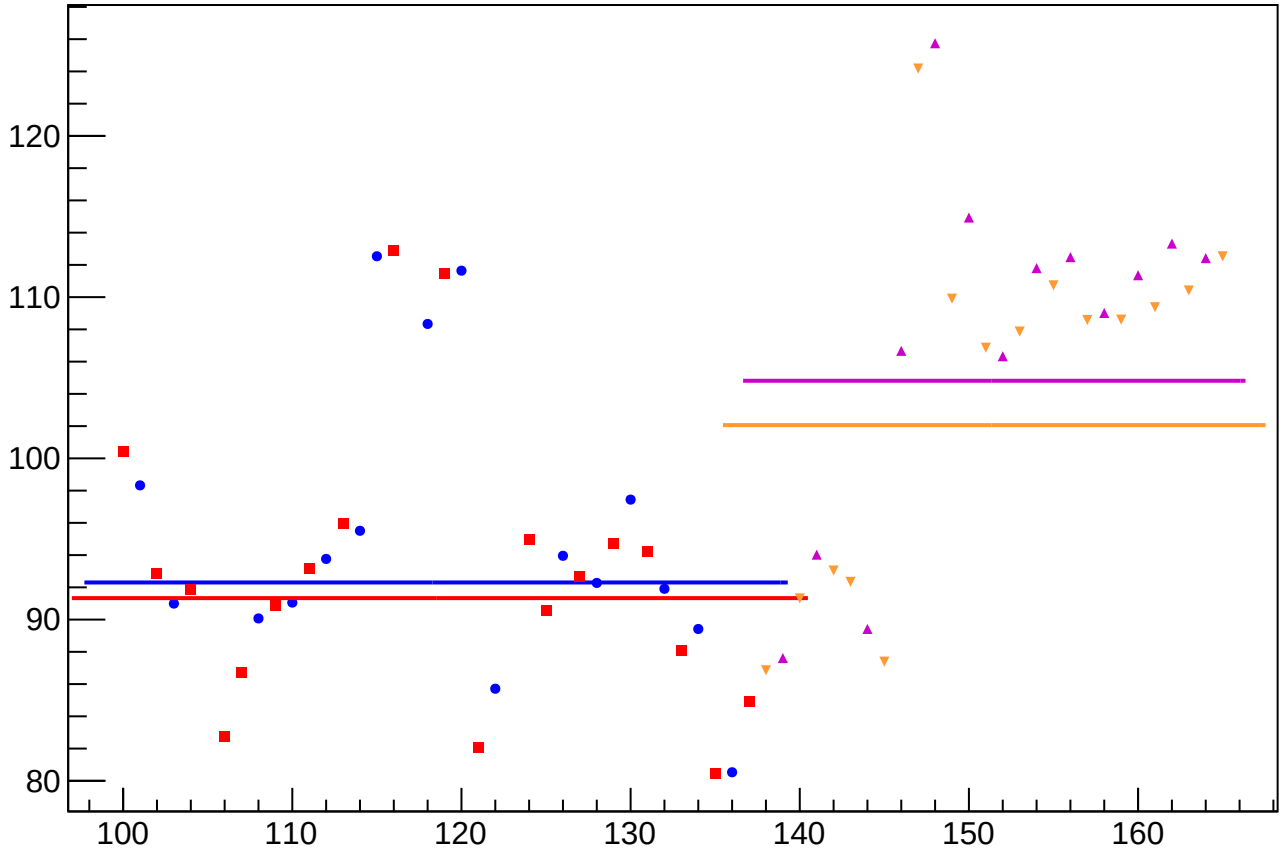
Left In: 162.384+/-31.843 χ^2/NDF:12.6/12

+ sign -77.619+/-22.558 χ^2/NDF: 56.7/30

All: 4.659+/-16.138 χ^2/NDF: 124.4/62

- sign 90.910+/-23.096 χ^2/NDF: 40.5/31

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 102.063+/-0.021 χ^2/NDF:262127.3/14

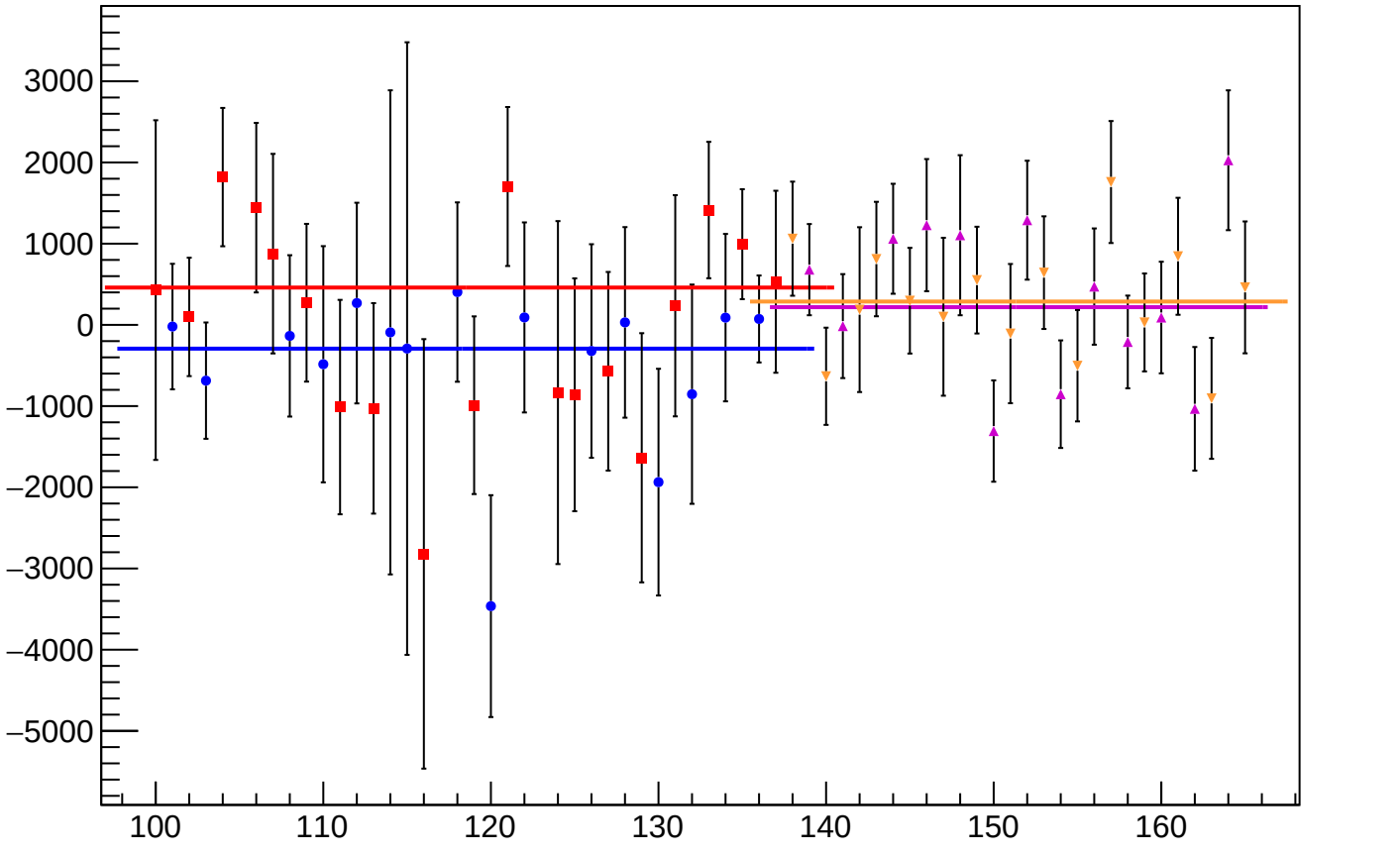
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

+ sign 97.873+/-0.016 χ^2/NDF: 460937.2/30

All: 98.142+/-0.011 χ^2/NDF: 976879.1/62

- sign 98.424+/-0.016 χ^2/NDF: 515359.6/31



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 287.483+/-186.106 χ^2/NDF:13.4/14

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

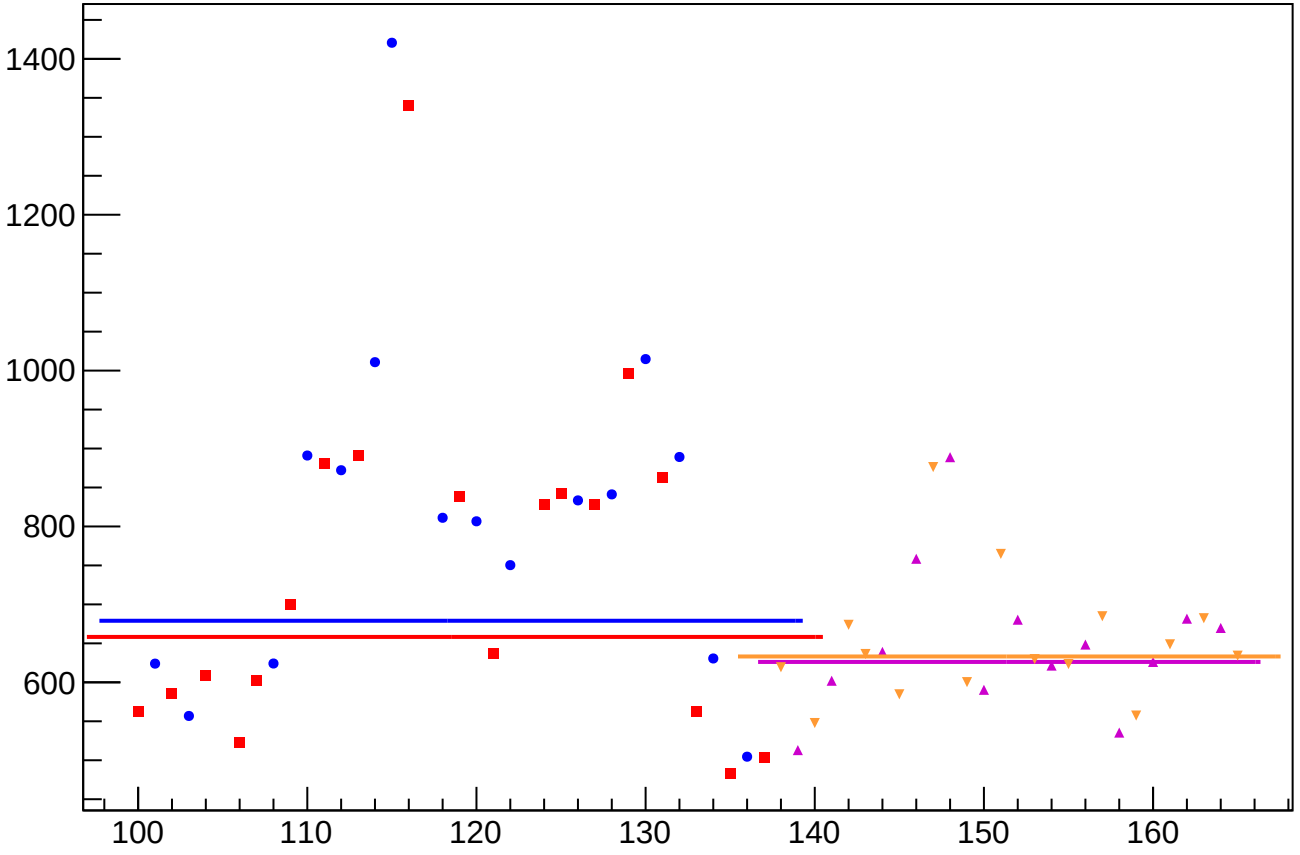
Left In: 218.034+/-191.542 χ^2/NDF:23.3/12

+ sign 90.603+/-151.272 χ^2/NDF: 25.5/30

All: 198.617+/-107.202 χ^2/NDF: 67.4/62

- sign 307.591+/-151.943 χ^2/NDF: 40.9/31

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.171+/-0.132 χ^2/NDF:284143.8/14

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

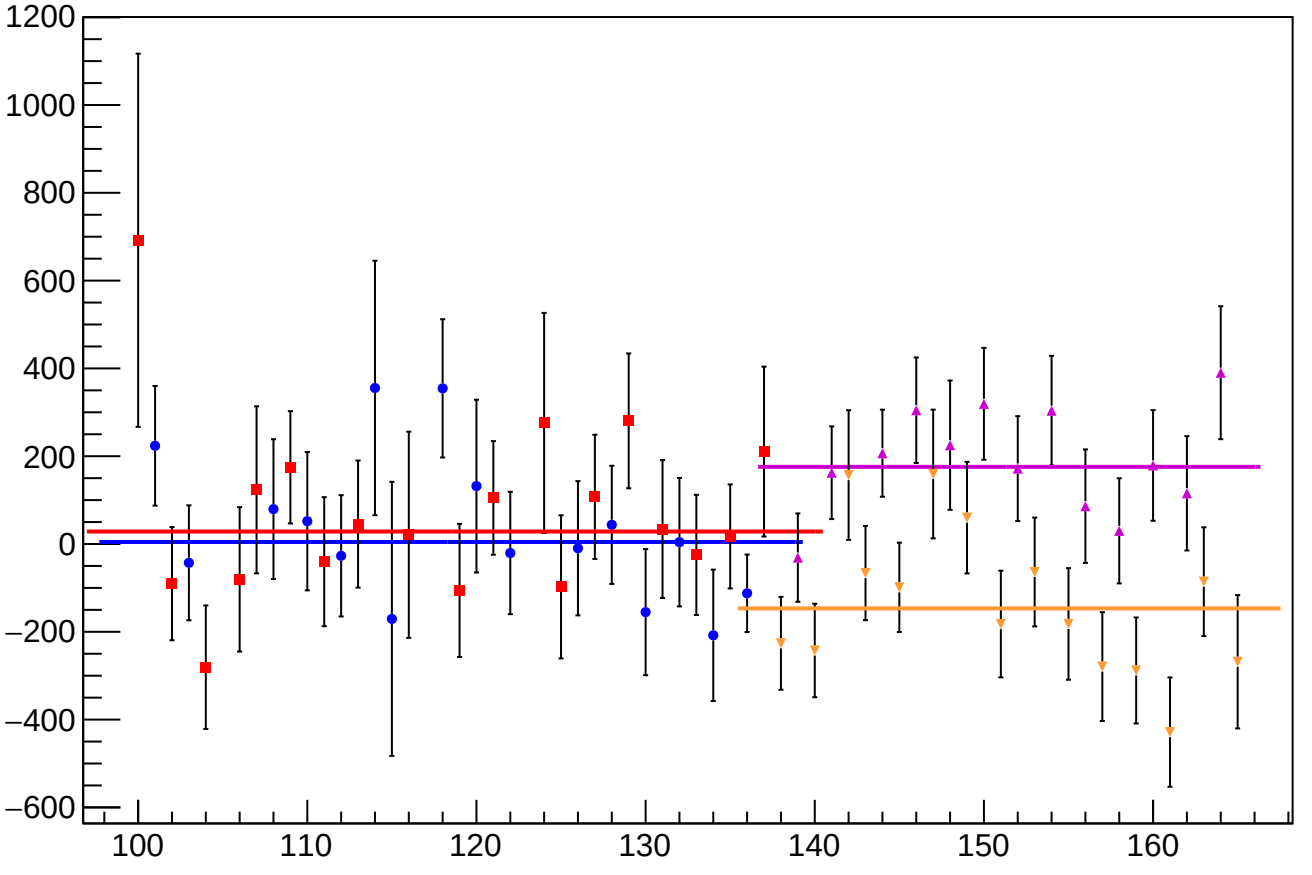
Left In: 626.152+/-0.135 χ^2/NDF:365622.6/12

+ sign 648.722+/-0.107 χ^2/NDF: 1093285.4/30

All: 643.413+/-0.076 χ^2/NDF: 2290593.6/62

- sign 638.056+/-0.107 χ^2/NDF: 1192358.6/31

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -146.671+/-31.364 χ^2/NDF:22.5/14

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

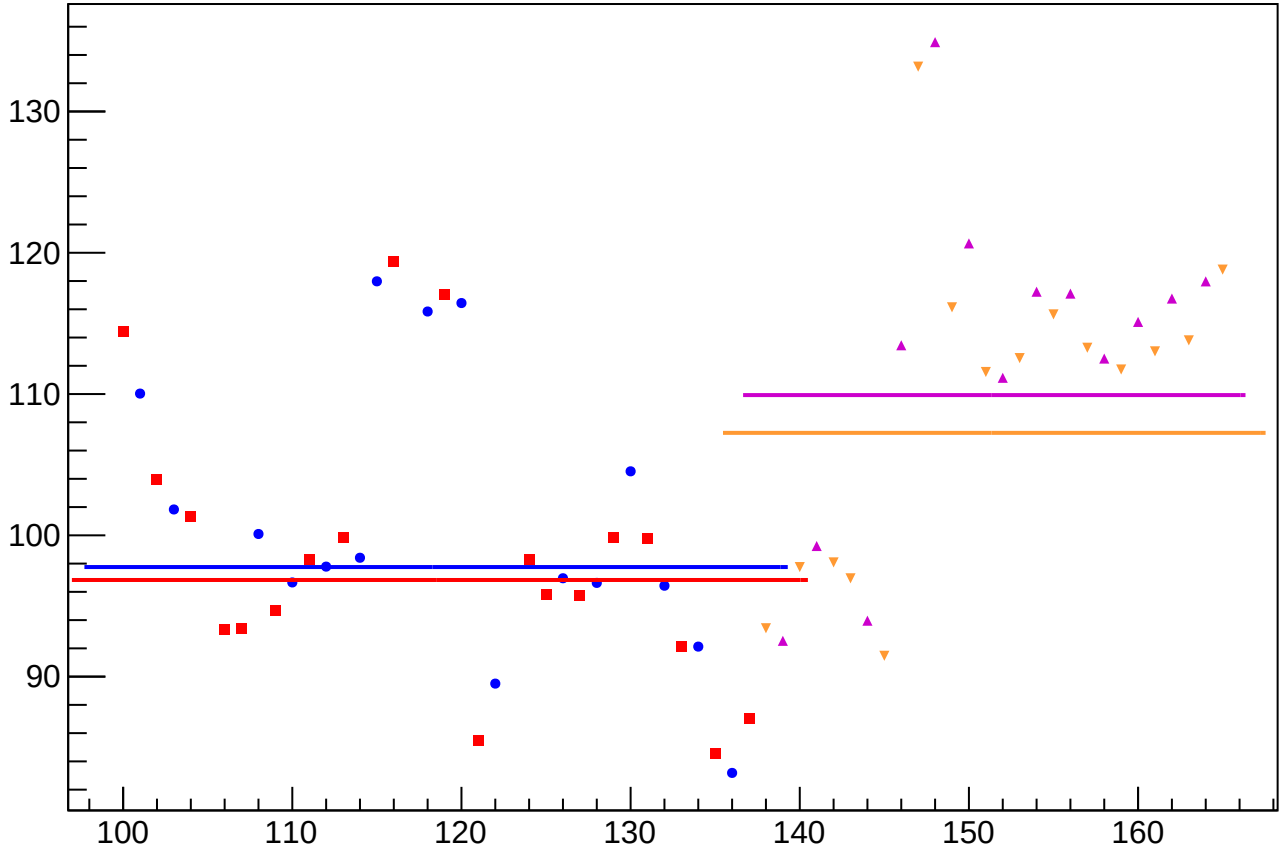
Left In: 175.752+/-33.397 χ^2/NDF:12.1/12

+ sign -82.428+/-23.791 χ^2/NDF: 47.8/30

All: 9.983+/-17.004 χ^2/NDF: 117.0/62

- sign 106.500+/-24.313 χ^2/NDF: 38.4/31

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 107.253+/-0.022 χ^2/NDF:240441.3/14

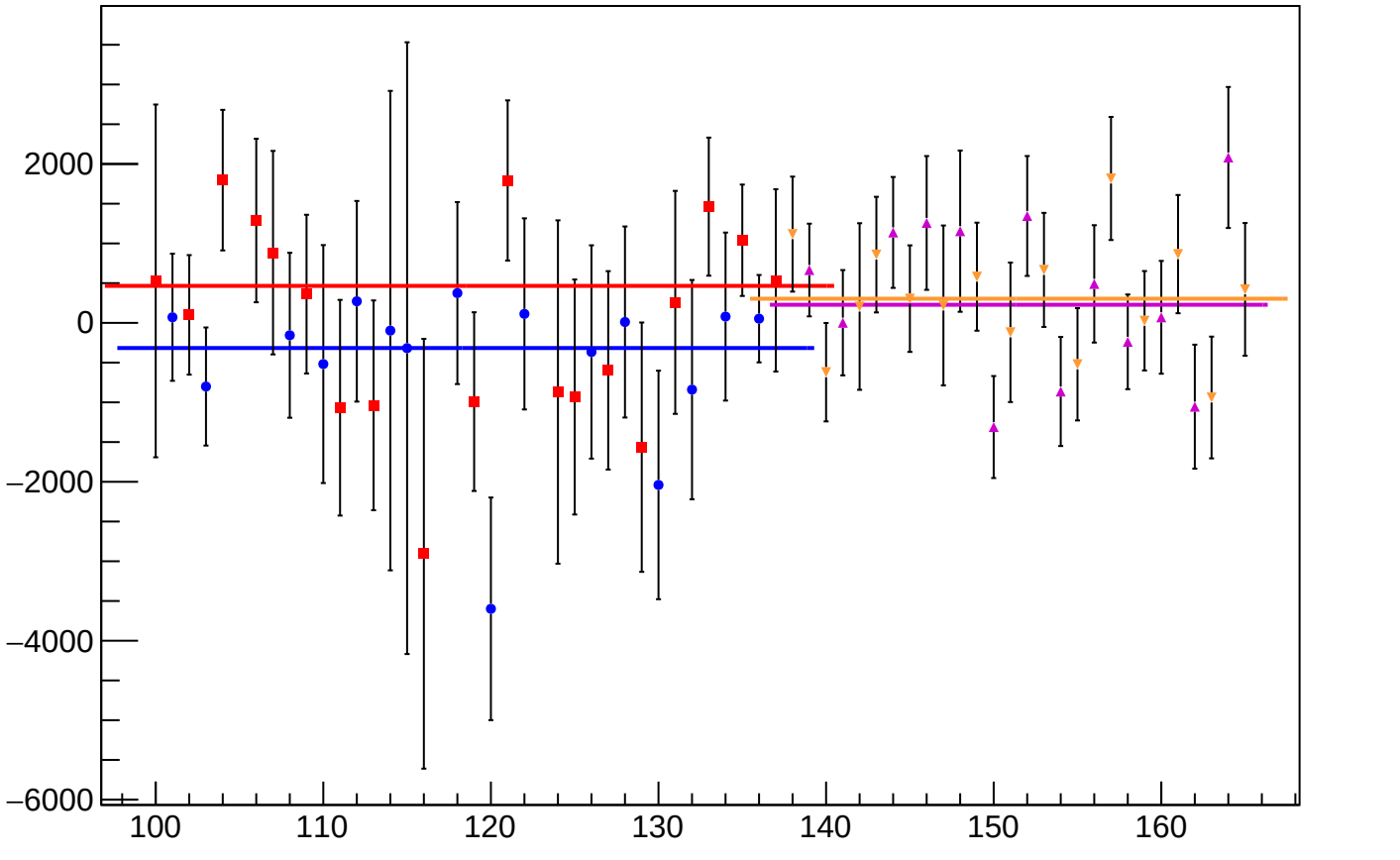
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 109.927+/-0.024 χ^2/NDF:234338.8/12

+ sign 103.220+/-0.017 χ^2/NDF: 458967.4/30

All: 103.492+/-0.012 χ^2/NDF: 953363.4/62

- sign 103.776+/-0.017 χ^2/NDF: 493862.3/31



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 304.183+/-192.090 χ^2/NDF:13.3/14

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

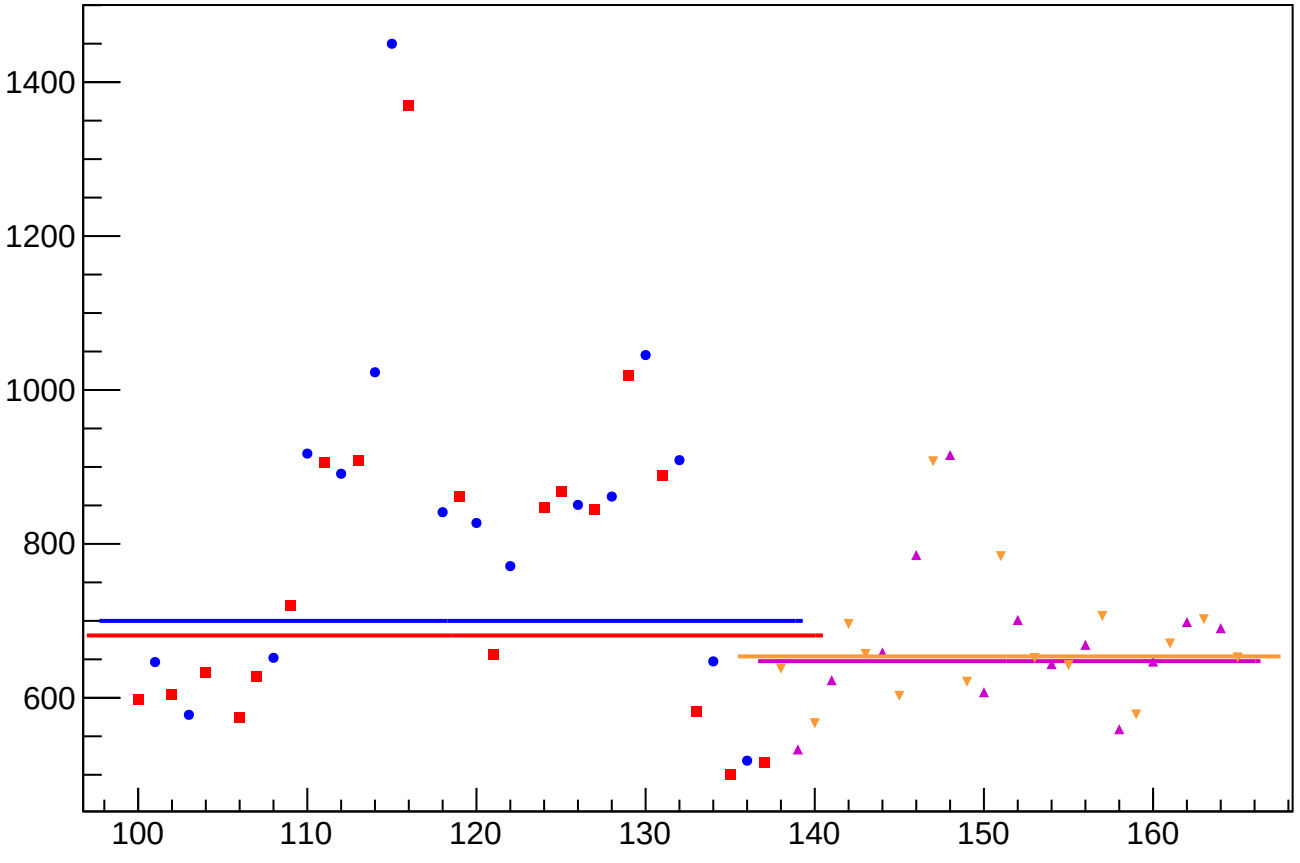
Left In: 228.155+/-197.994 χ^2/NDF:23.0/12

\+ sign 93.005+/-156.032 χ^2/NDF: 26.0/30

All: 204.347+/-110.589 χ^2/NDF: 67.1/62

\- sign 316.738+/-156.765 χ^2/NDF: 40.1/31

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 653.808+/-0.136 χ^2/NDF:278808.9/14

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

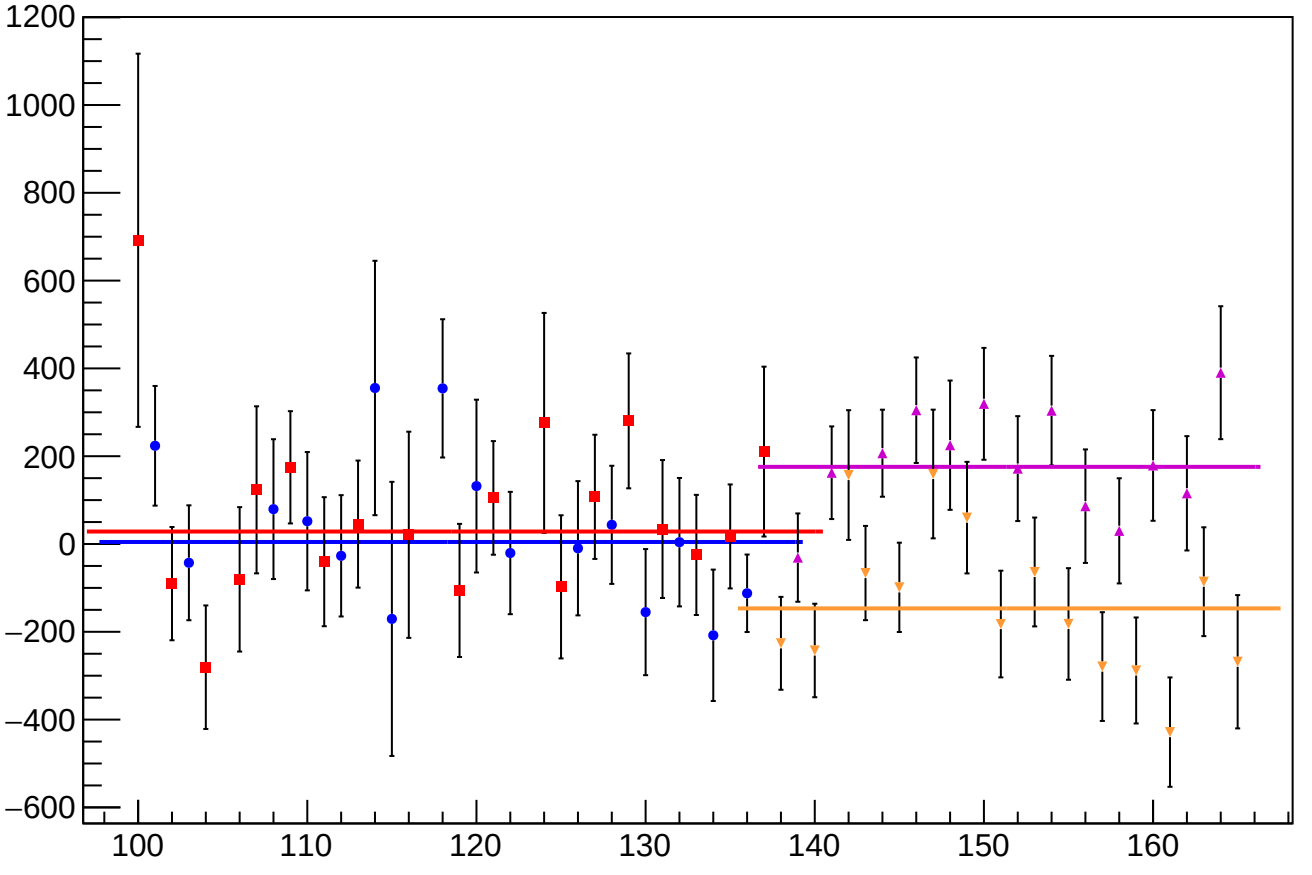
Left In: 647.679+/-0.140 χ^2/NDF:350650.4/12

+ sign 669.513+/-0.110 χ^2/NDF: 1071772.1/30

All: 664.837+/-0.078 χ^2/NDF: 2216583.7/62

- sign 660.118+/-0.111 χ^2/NDF: 1141202.7/31

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -146.671+/-31.364 χ^2/NDF:22.5/14

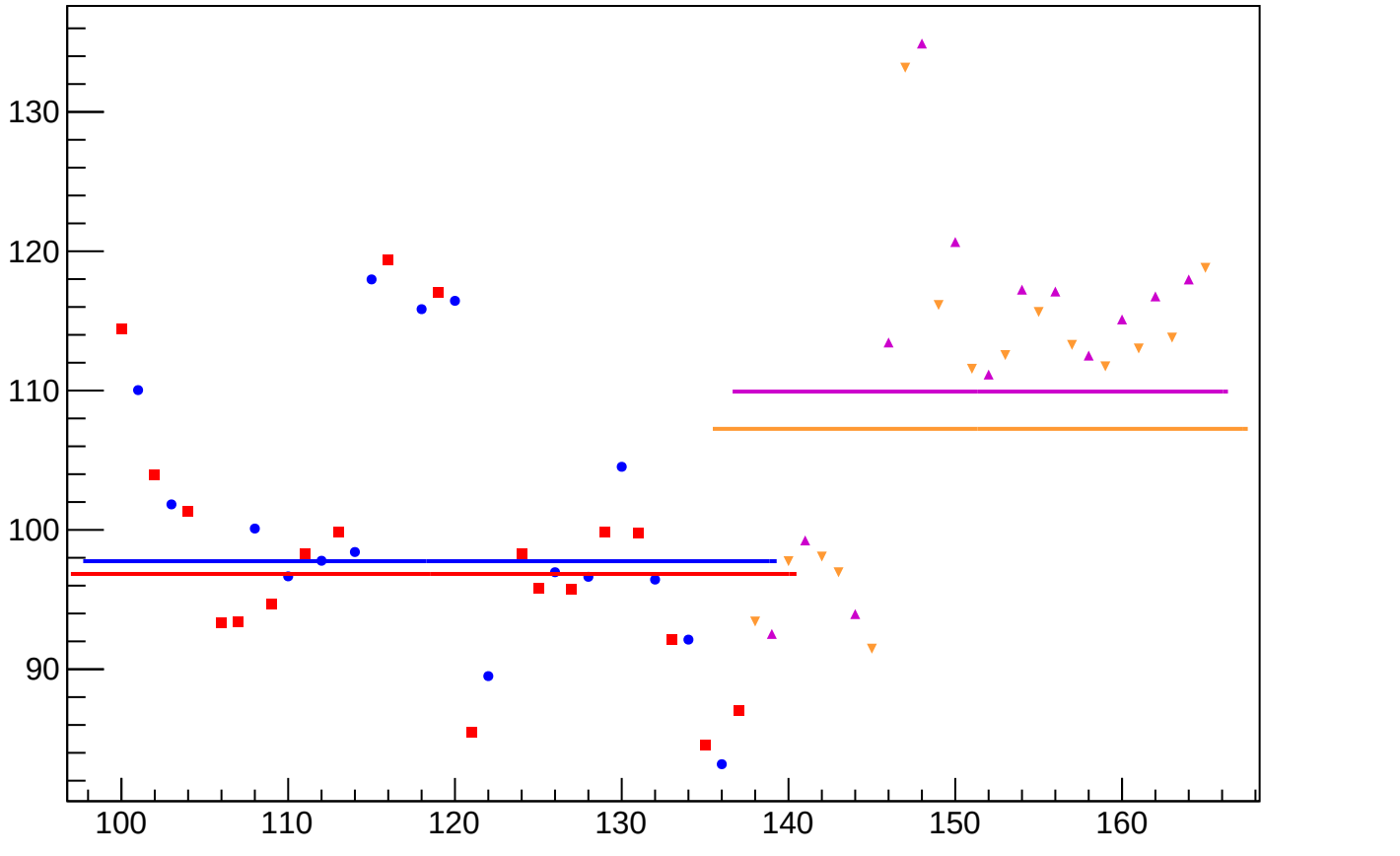
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 175.753+/-33.397 χ^2/NDF:12.1/12

\+ sign -82.427+/-23.791 χ^2/NDF: 47.8/30

All: 9.984+/-17.004 χ^2/NDF: 117.0/62

\- sign 106.500+/-24.313 χ^2/NDF: 38.4/31



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 107.253+/-0.022 χ^2/NDF:240441.0/14

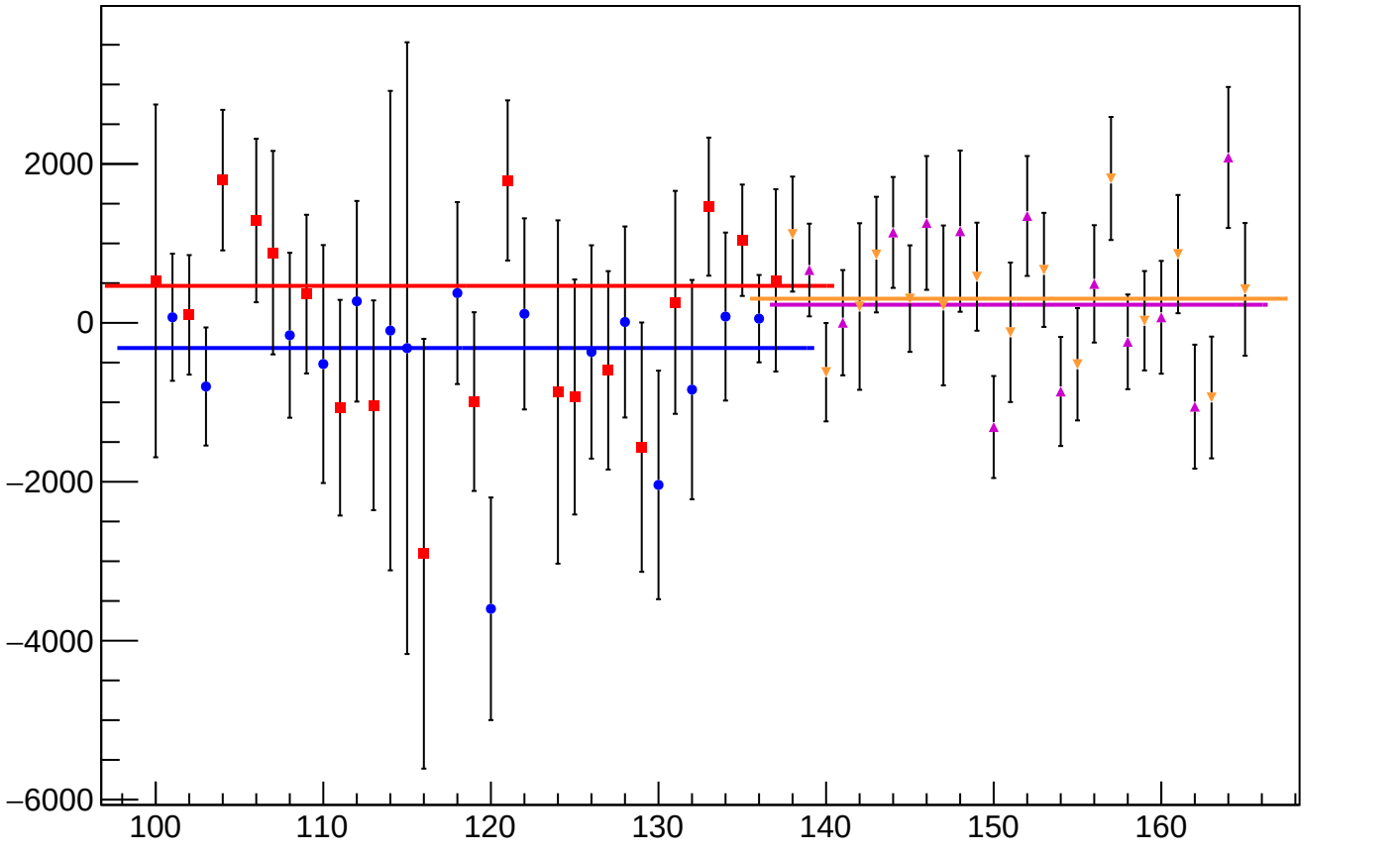
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 109.927+/-0.024 χ^2/NDF:234336.6/12

+ sign 103.220+/-0.017 χ^2/NDF: 458973.6/30

All: 103.492+/-0.012 χ^2/NDF: 953379.3/62

- sign 103.776+/-0.017 χ^2/NDF: 493872.1/31



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 304.183+/-192.090 χ^2/NDF:13.3/14

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

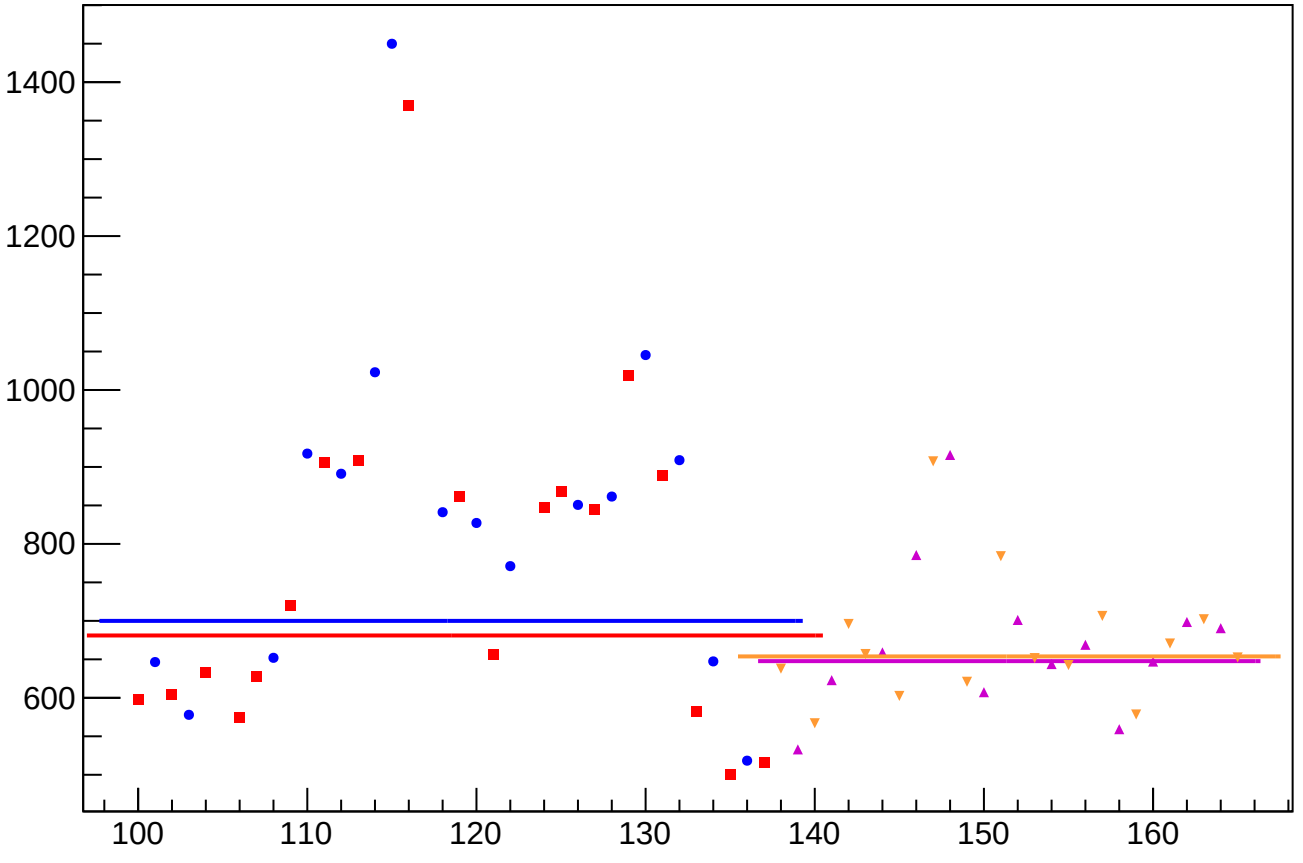
Left In: 228.155+/-197.994 χ^2/NDF:23.0/12

\+ sign 93.005+/-156.032 χ^2/NDF: 26.0/30

All: 204.347+/-110.589 χ^2/NDF: 67.1/62

\- sign 316.739+/-156.765 χ^2/NDF: 40.1/31

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 653.809+/-0.136 χ^2/NDF:278809.3/14

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

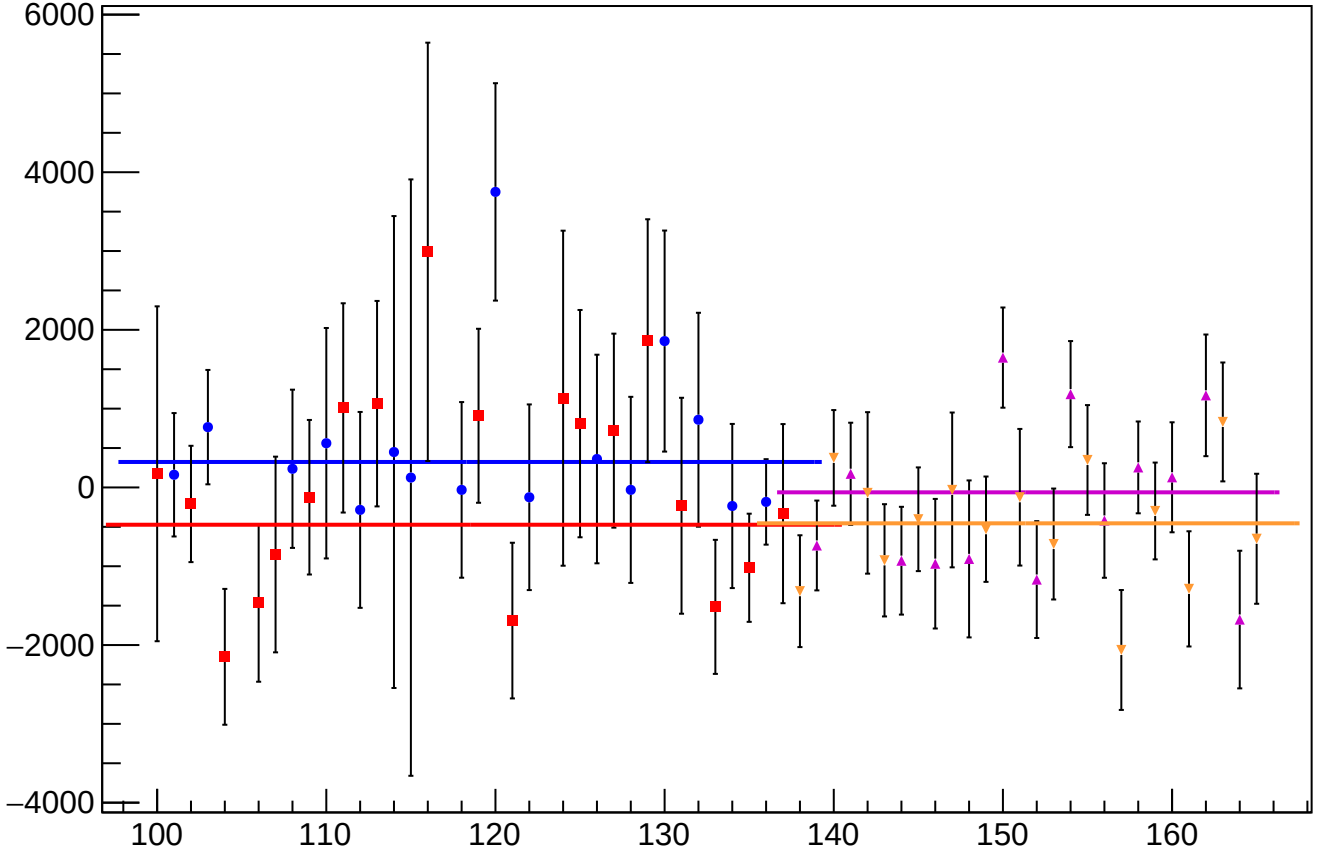
Left In: 647.680+/-0.140 χ^2/NDF:350650.9/12

\+ sign 669.513+/-0.110 χ^2/NDF: 1071771.5/30

All: 664.837+/-0.078 χ^2/NDF: 2216584.2/62

\- sign 660.117+/-0.111 χ^2/NDF: 1141203.6/31

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -455.401+/-188.657 χ^2/NDF:14.5/14

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

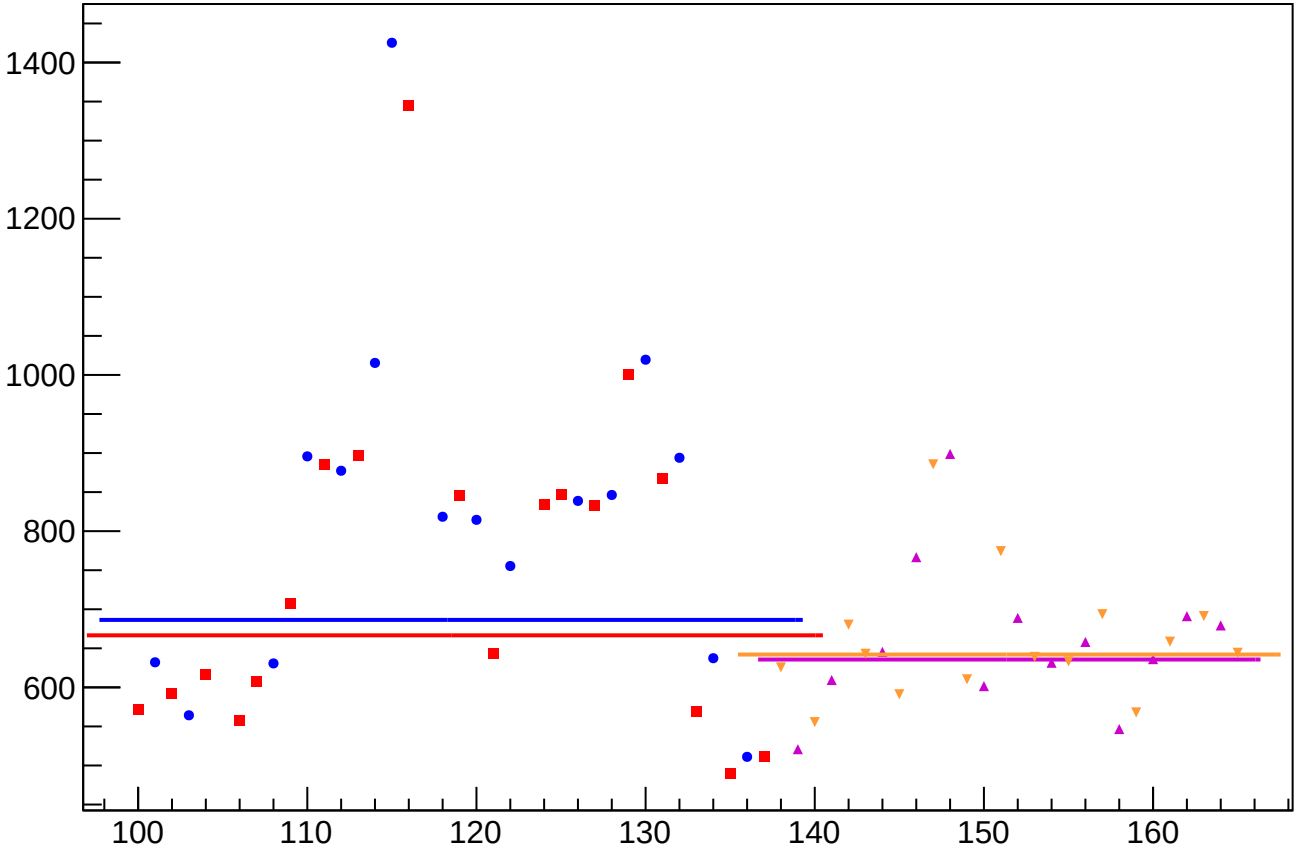
Left In: -62.055+/-194.372 χ^2/NDF:24.5/12

+ sign -189.991+/-153.163 χ^2/NDF: 30.1/30

All: -202.916+/-108.511 χ^2/NDF: 75.7/62

- sign -215.942+/-153.756 χ^2/NDF: 45.6/31

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 642.050+/-0.133 χ^2/NDF:278685.2/14

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

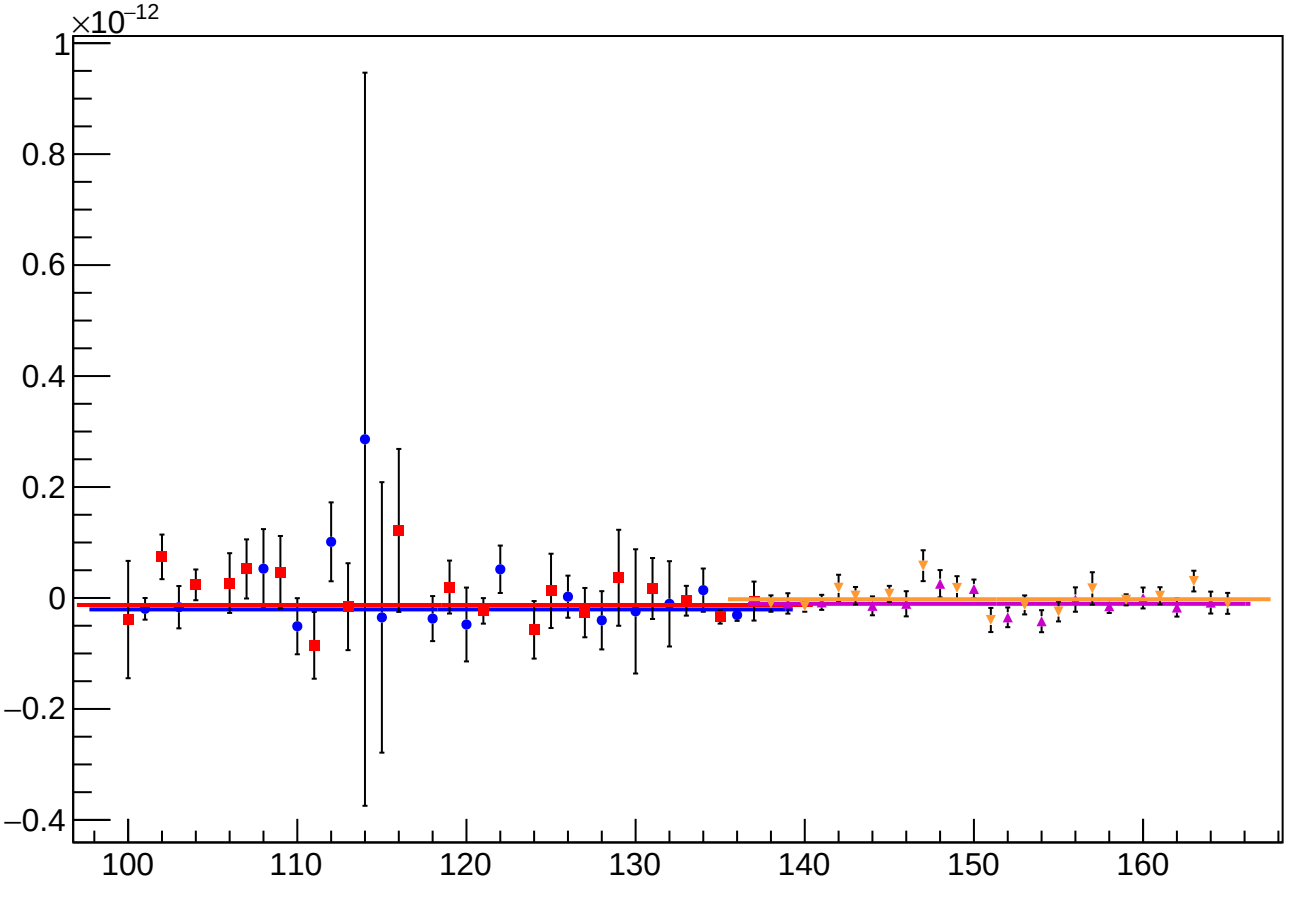
Left In: 635.657+/-0.137 χ^2/NDF:355399.2/12

+ sign 657.166+/-0.108 χ^2/NDF: 1065807.1/30

All: 652.228+/-0.077 χ^2/NDF: 2221426.4/62

- sign 647.251+/-0.109 χ^2/NDF: 1151444.6/31

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:17.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

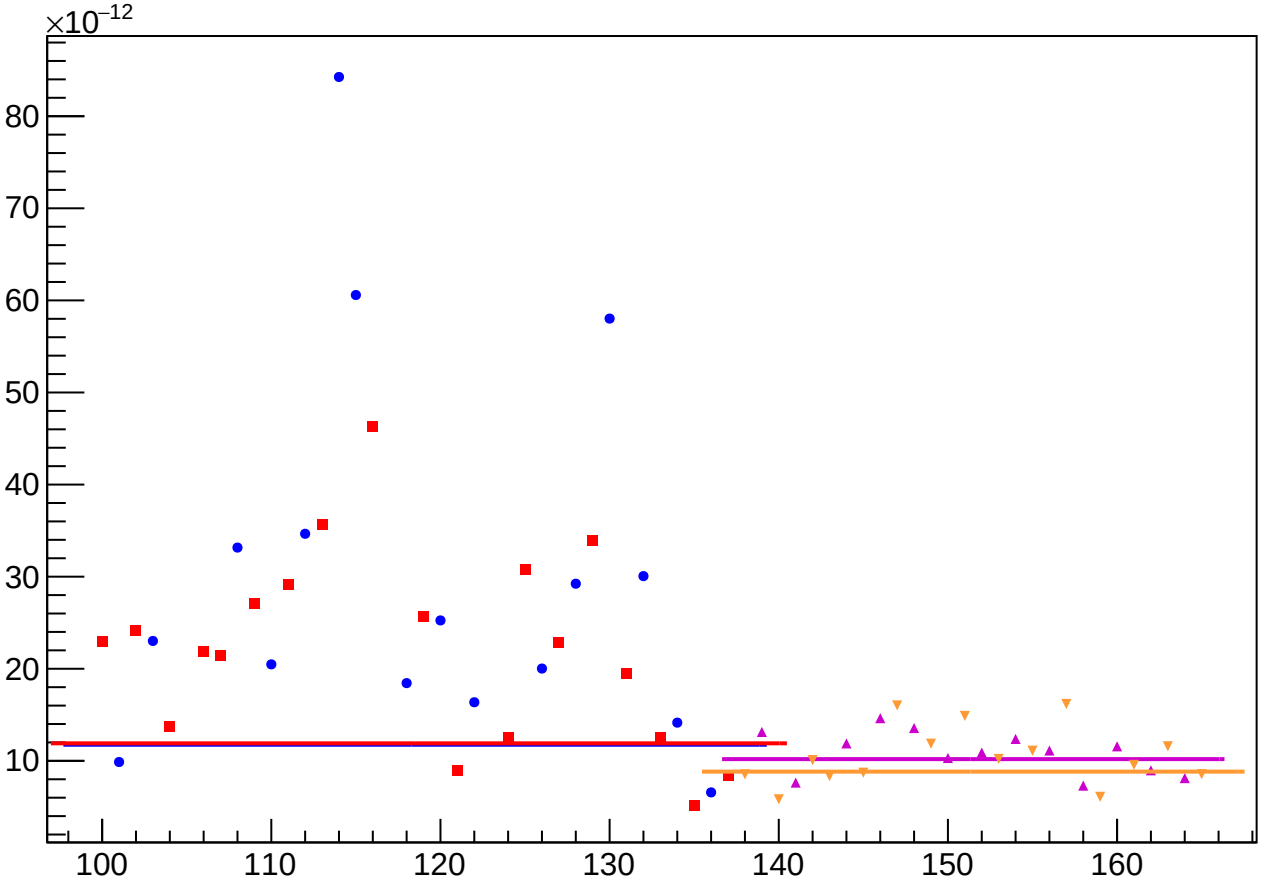
Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/30

All: -0.000+/-0.000 χ^2/NDF: 59.6/62

- sign -0.000+/-0.000 χ^2/NDF: 27.0/31

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:890119.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

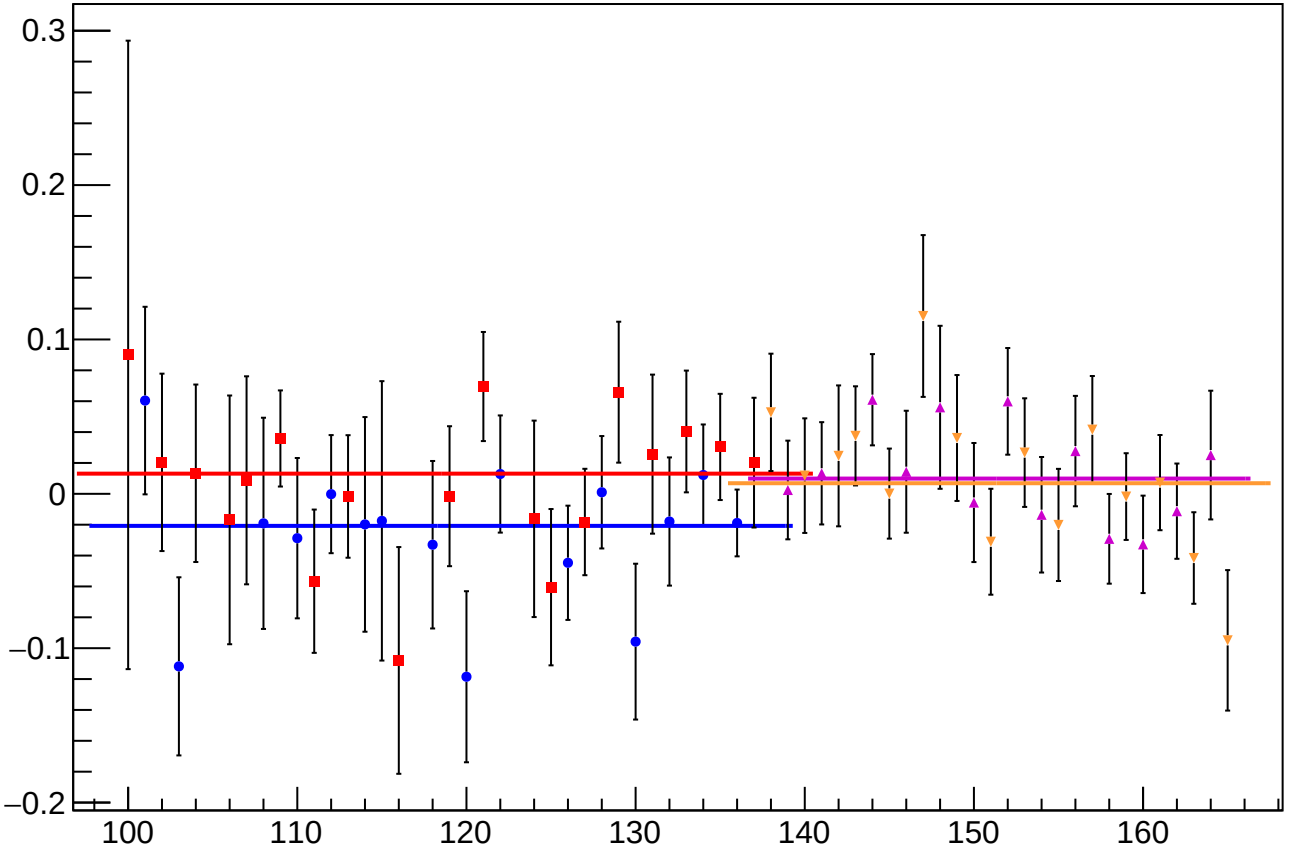
Left In: 0.000+/-0.000 χ^2/NDF:443006.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 3269250.5/30

All: 0.000+/-0.000 χ^2/NDF: 6077747.8/62

- sign 0.000+/-0.000 χ^2/NDF: 2714697.9/31

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: 0.007+/-0.009 χ^2/NDF:18.2/14

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

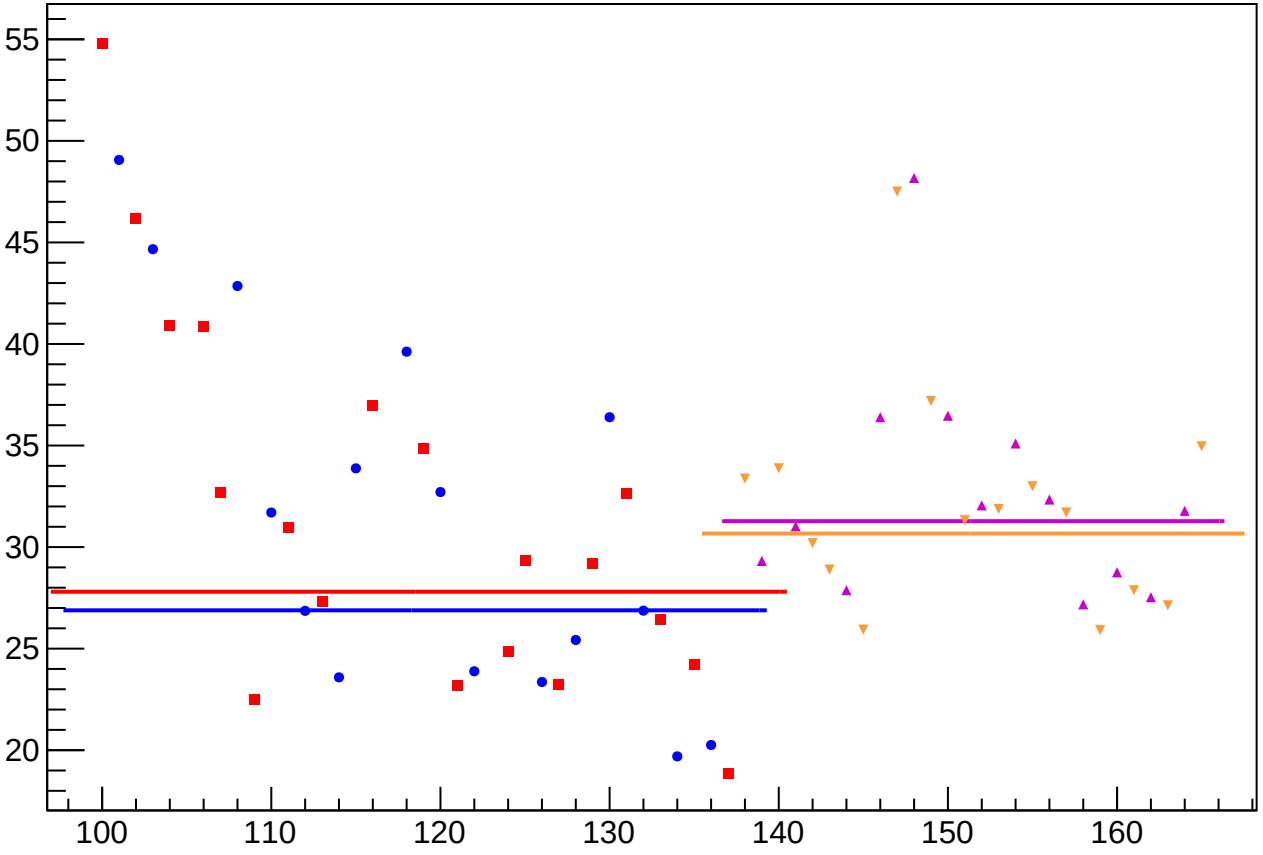
Left In: 0.010+/-0.010 χ^2/NDF:11.0/12

+ sign -0.005+/-0.007 χ^2/NDF: 34.7/30

All: 0.003+/-0.005 χ^2/NDF: 62.4/62

- sign 0.011+/-0.007 χ^2/NDF: 24.9/31

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474844.5/14

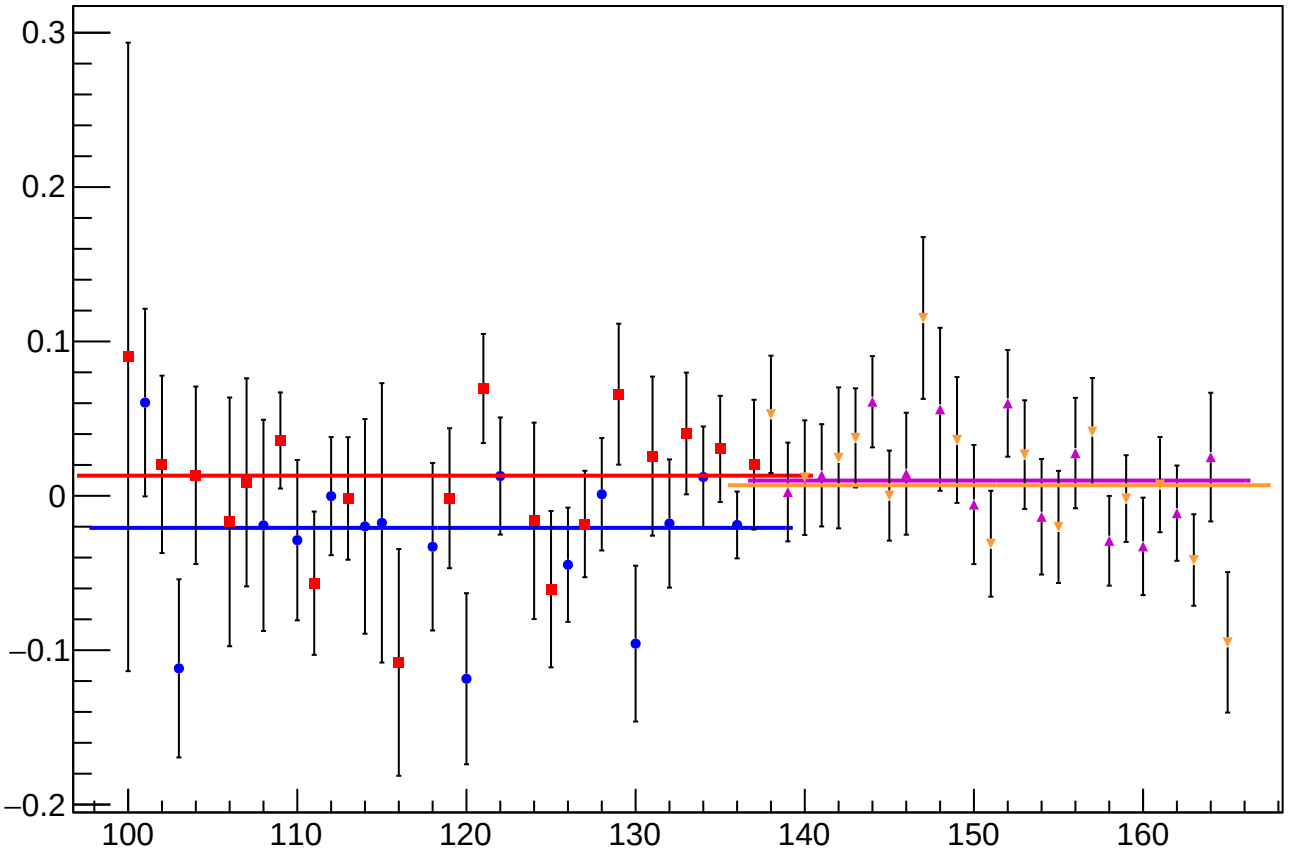
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.276+/-0.007 χ^2/NDF:414610.1/12

+ sign 29.055+/-0.005 χ^2/NDF: 1743854.4/30

All: 29.367+/-0.003 χ^2/NDF: 3048875.4/62

- sign 29.701+/-0.005 χ^2/NDF: 1296450.3/31



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:18.2/14

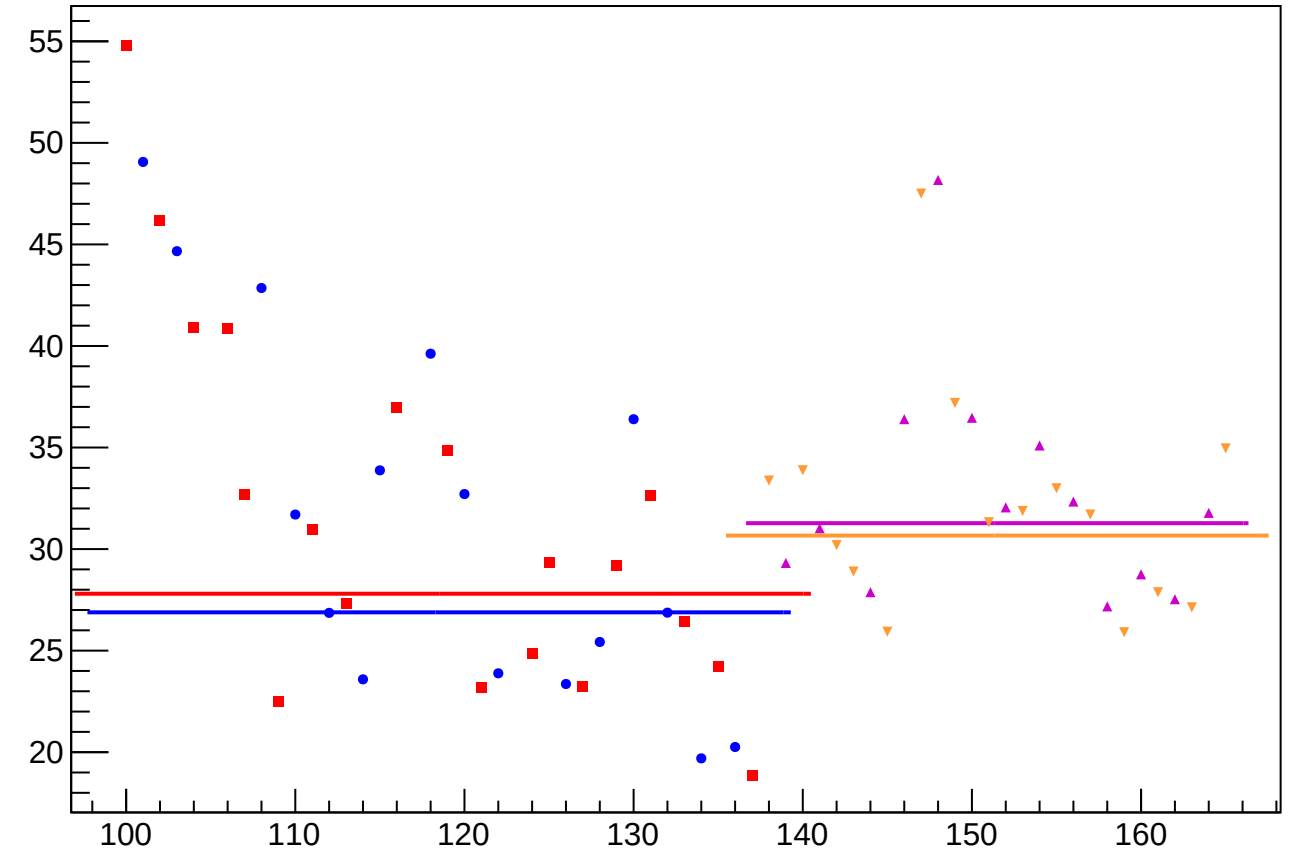
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.010 χ^2/NDF:11.0/12

+ sign -0.005+/-0.007 χ^2/NDF: 34.7/30

All: 0.003+/-0.005 χ^2/NDF: 62.4/62

- sign 0.011+/-0.007 χ^2/NDF: 24.9/31



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474844.5/14

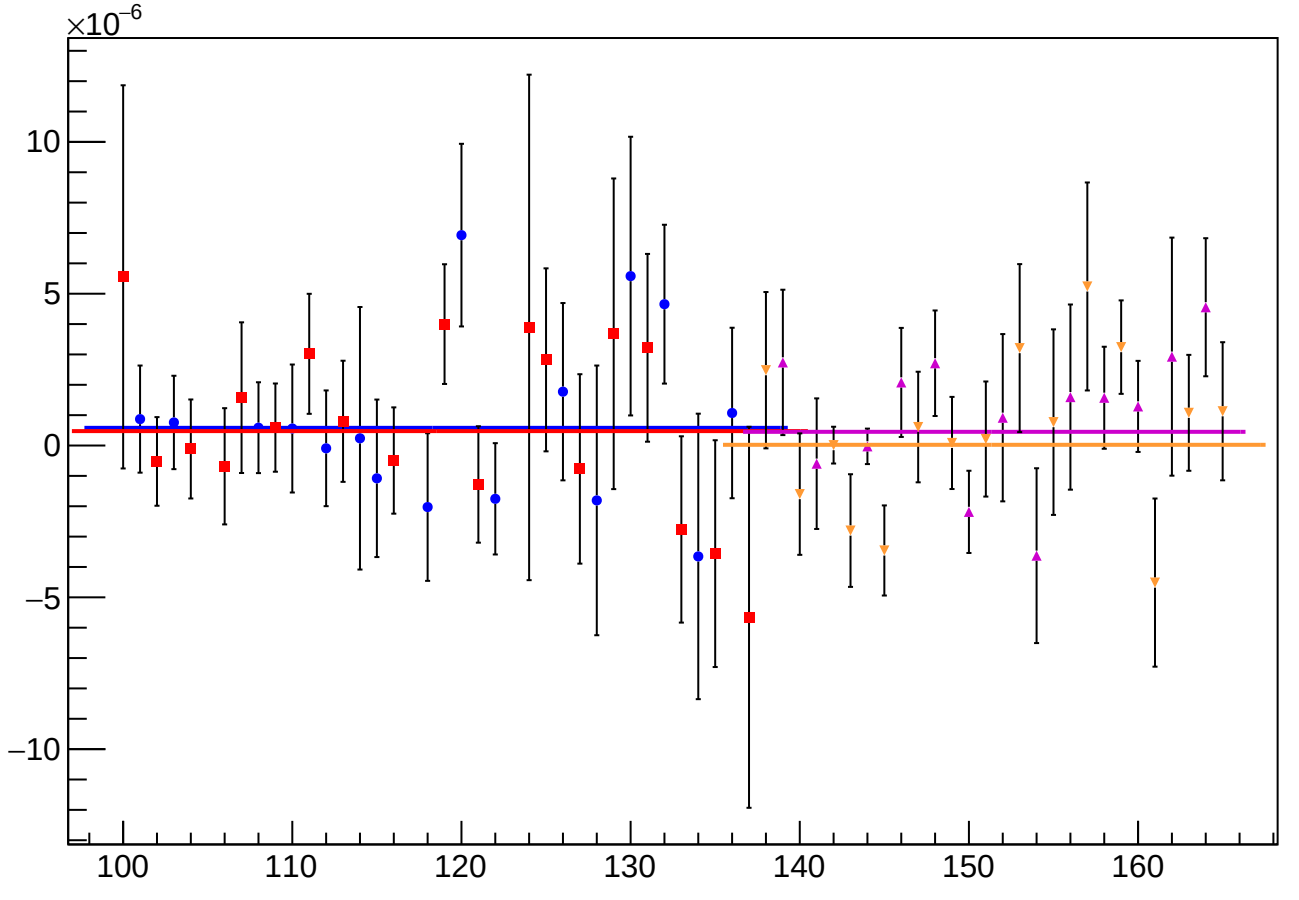
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.276+/-0.007 χ^2/NDF:414610.1/12

+ sign 29.055+/-0.005 χ^2/NDF: 1743854.4/30

All: 29.367+/-0.003 χ^2/NDF: 3048875.4/62

- sign 29.701+/-0.005 χ^2/NDF: 1296450.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/14

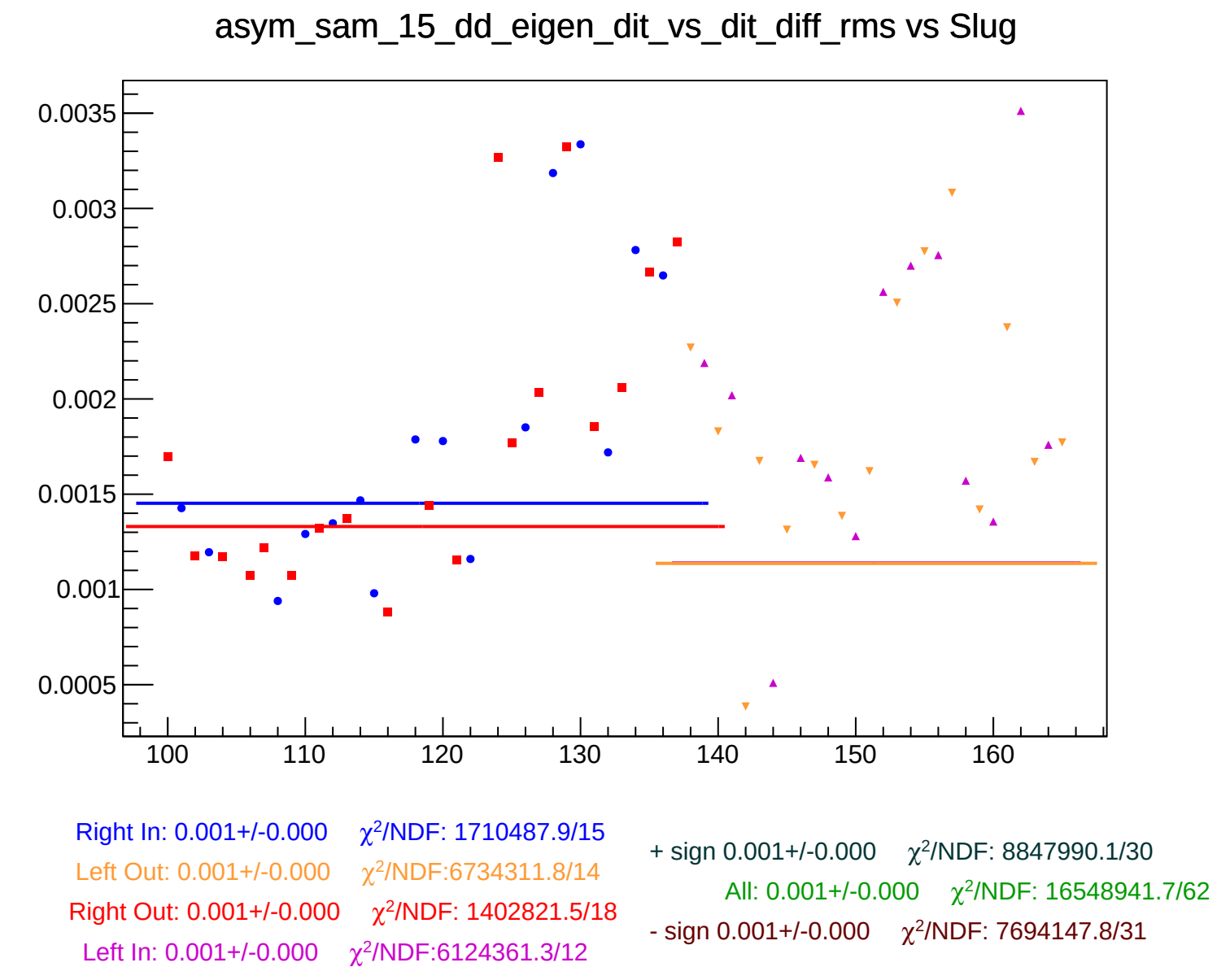
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

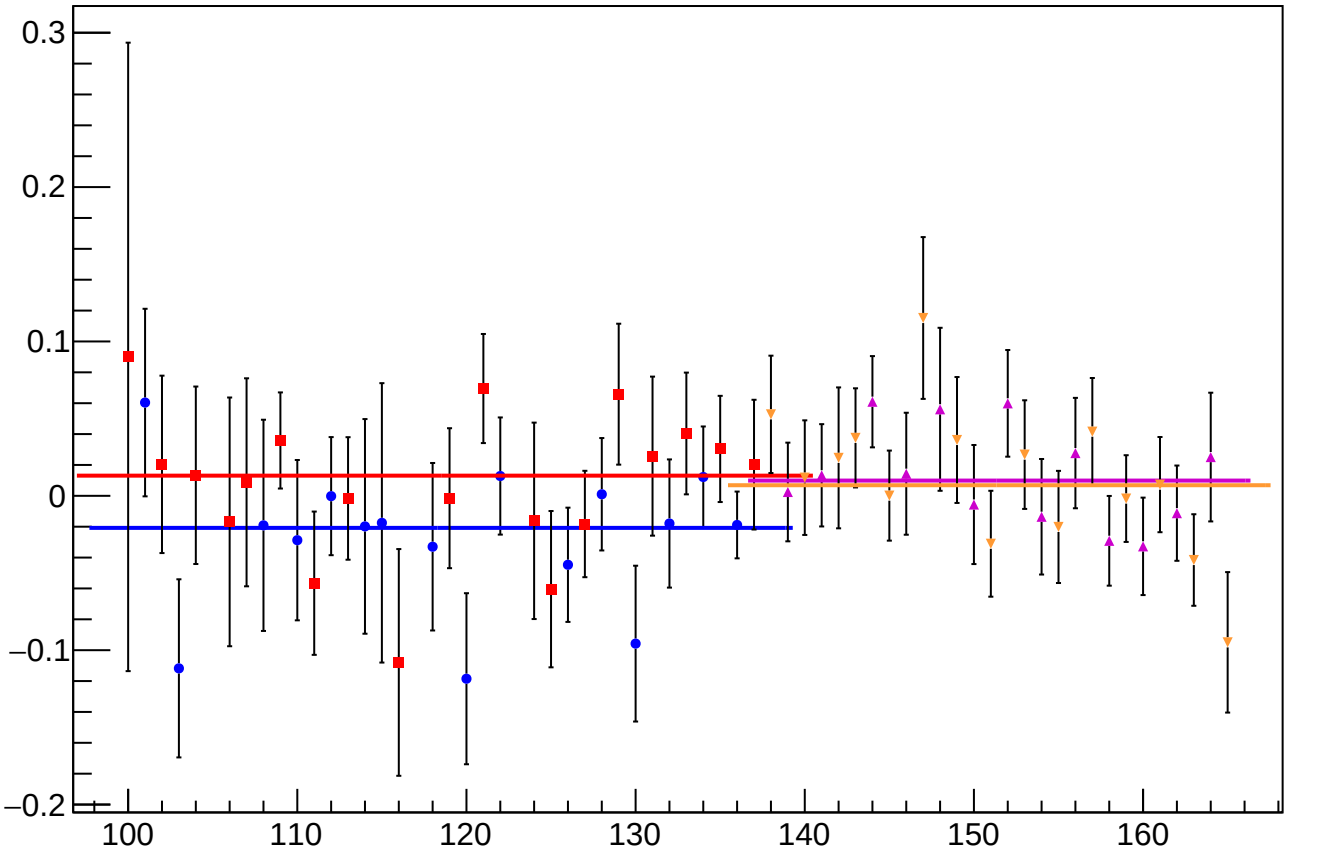
Left In: 0.000+/-0.000 χ^2/NDF:14.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 34.2/30

All: 0.000+/-0.000 χ^2/NDF: 62.4/62

- sign 0.000+/-0.000 χ^2/NDF: 27.9/31


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:6734311.8/14
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6124361.3/12
+ sign 0.001+/-0.000 χ²/NDF: 8847990.1/30
All: 0.001+/-0.000 χ²/NDF: 16548941.7/62
- sign 0.001+/-0.000 χ²/NDF: 7694147.8/31



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:18.2/14

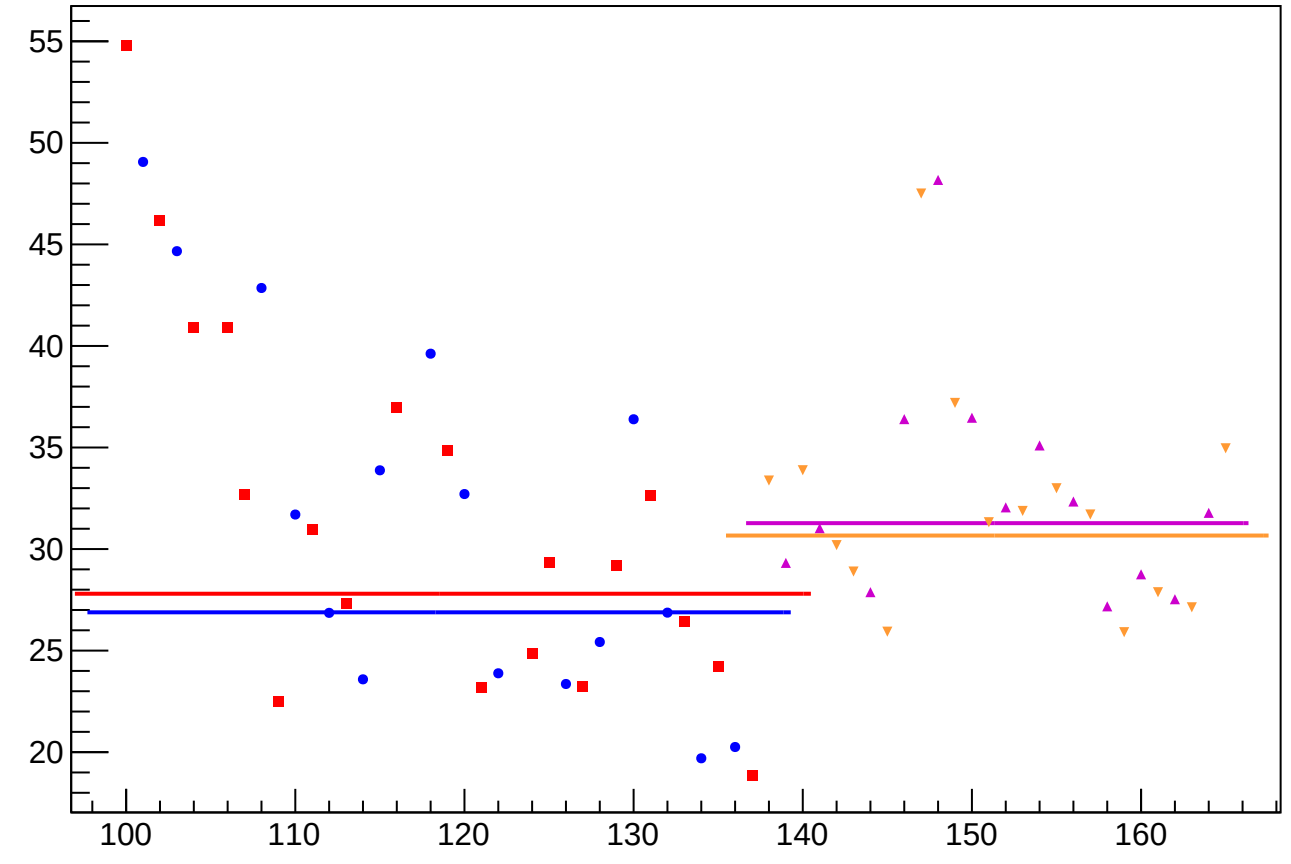
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.010 χ^2/NDF:11.0/12

+ sign -0.005+/-0.007 χ^2/NDF: 34.7/30

All: 0.003+/-0.005 χ^2/NDF: 62.4/62

- sign 0.011+/-0.007 χ^2/NDF: 24.9/31



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474967.8/14

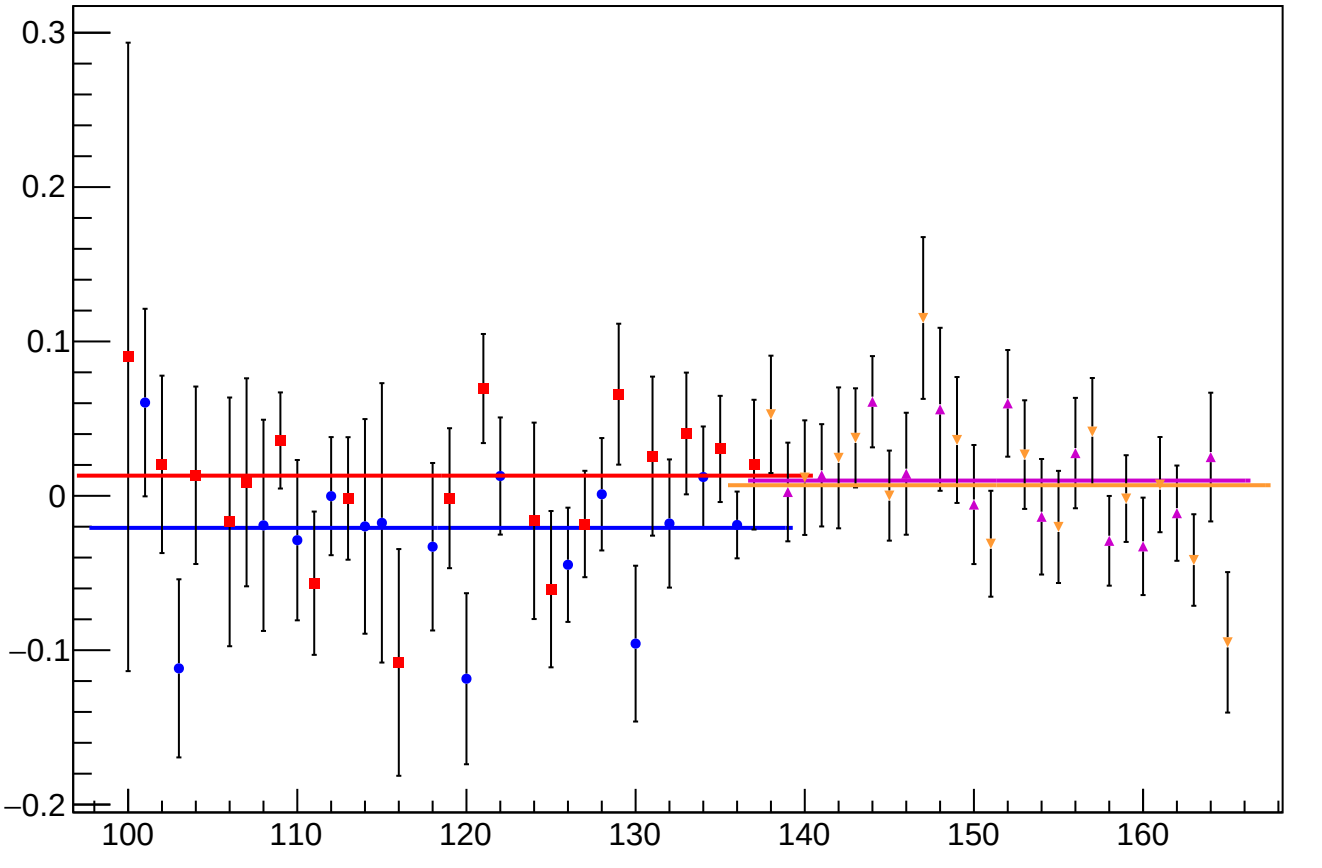
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.275+/-0.007 χ^2/NDF:414711.2/12

+ sign 29.054+/-0.005 χ^2/NDF: 1744052.4/30

All: 29.366+/-0.003 χ^2/NDF: 3049365.6/62

- sign 29.700+/-0.005 χ^2/NDF: 1296748.9/31



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.007+/-0.009 χ^2/NDF:18.2/14

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

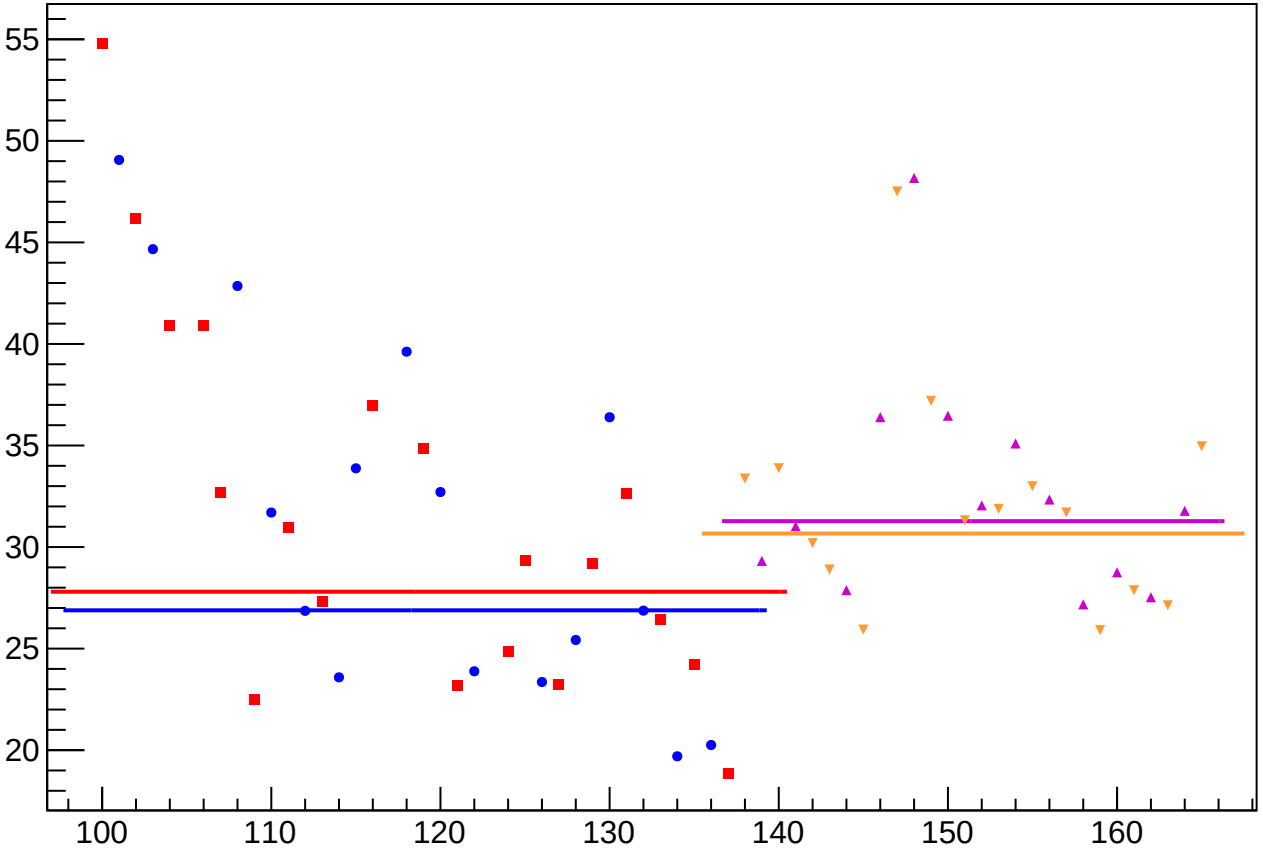
Left In: 0.010+/-0.010 χ^2/NDF:11.0/12

\+ sign -0.005+/-0.007 χ^2/NDF: 34.7/30

All: 0.003+/-0.005 χ^2/NDF: 62.4/62

\- sign 0.011+/-0.007 χ^2/NDF: 24.9/31

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.666+/-0.006 χ^2/NDF:474967.8/14

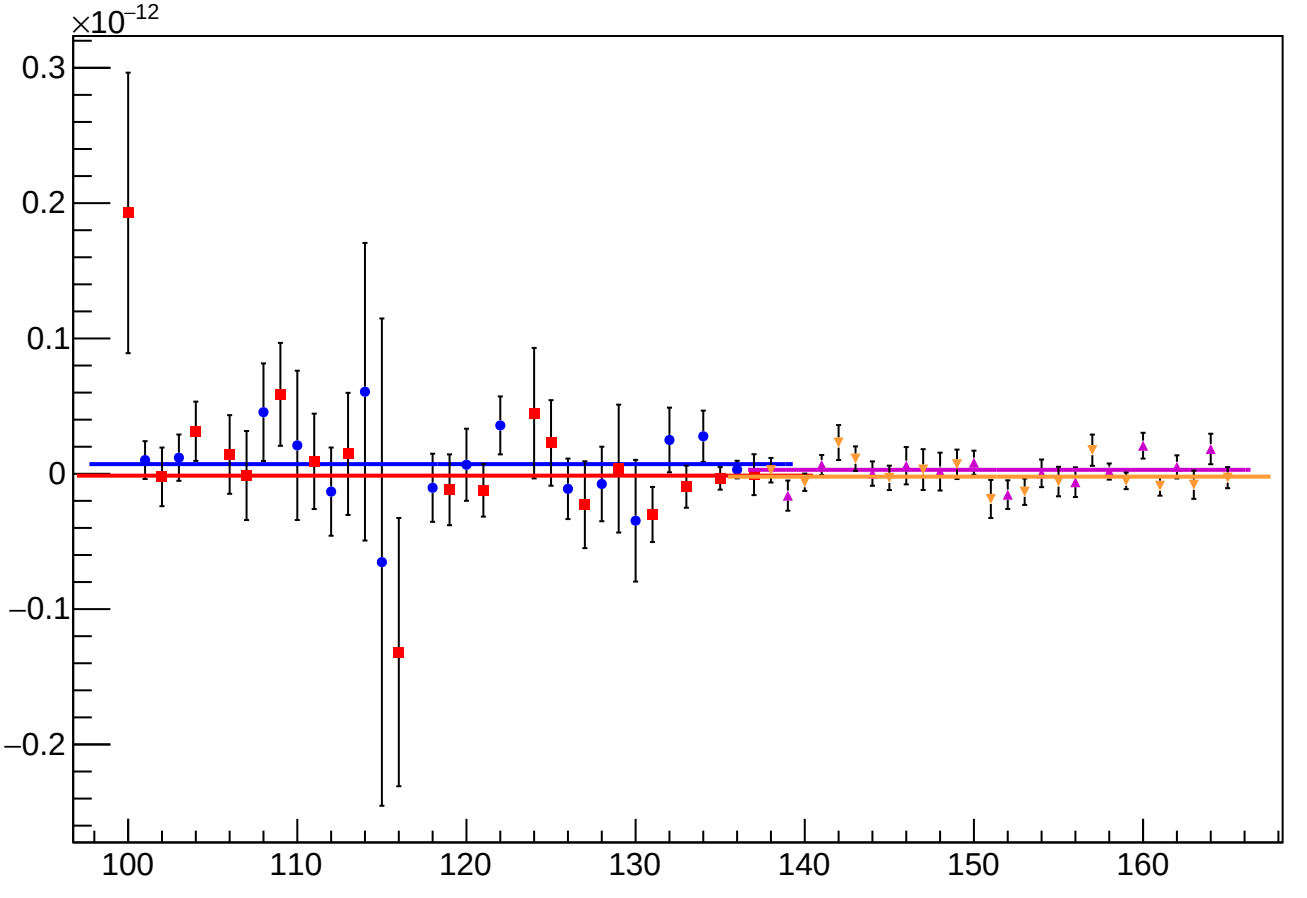
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.275+/-0.007 χ^2/NDF:414711.2/12

+ sign 29.054+/-0.005 χ^2/NDF: 1744052.4/30

All: 29.366+/-0.003 χ^2/NDF: 3049365.6/62

- sign 29.700+/-0.005 χ^2/NDF: 1296748.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/14

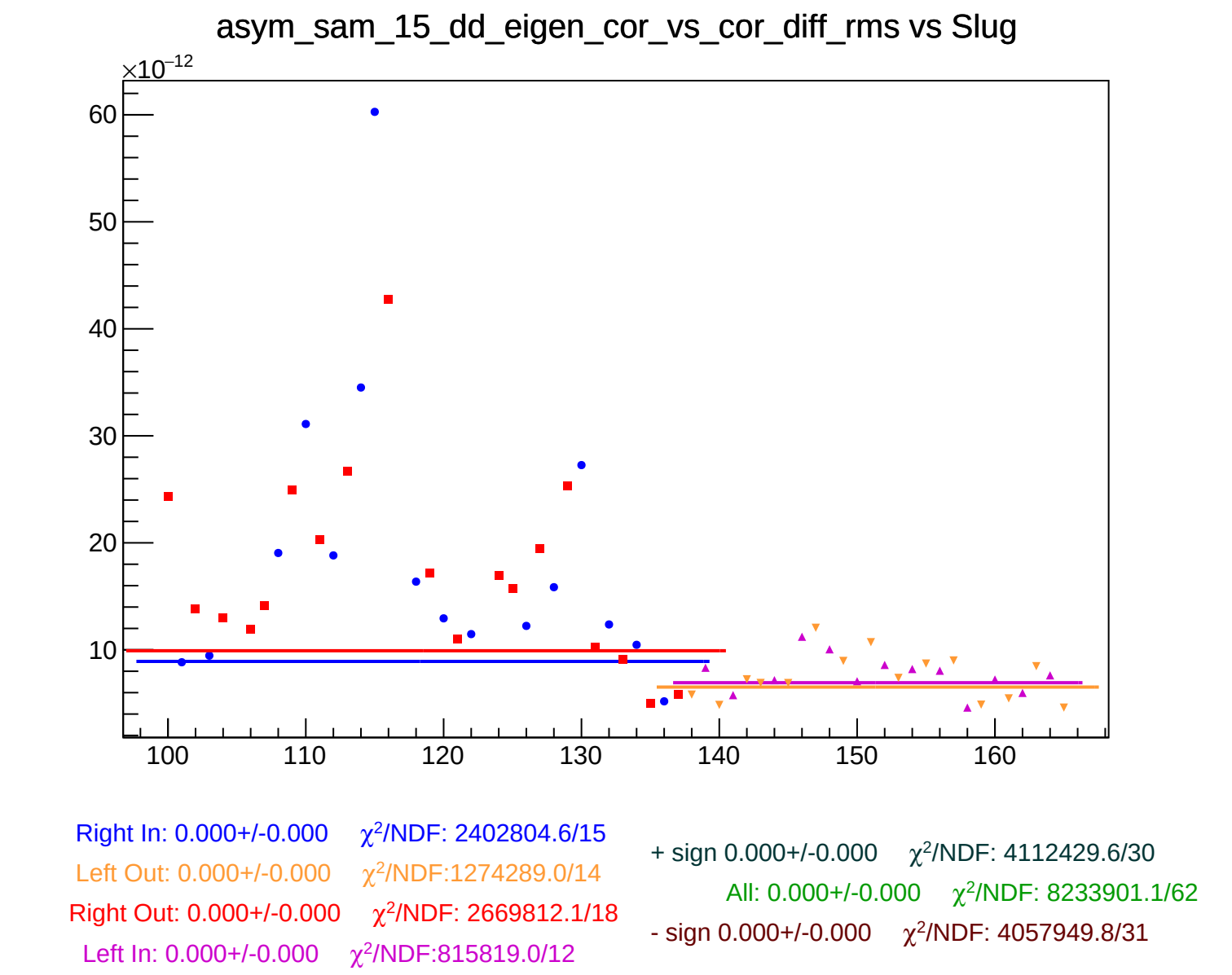
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/12

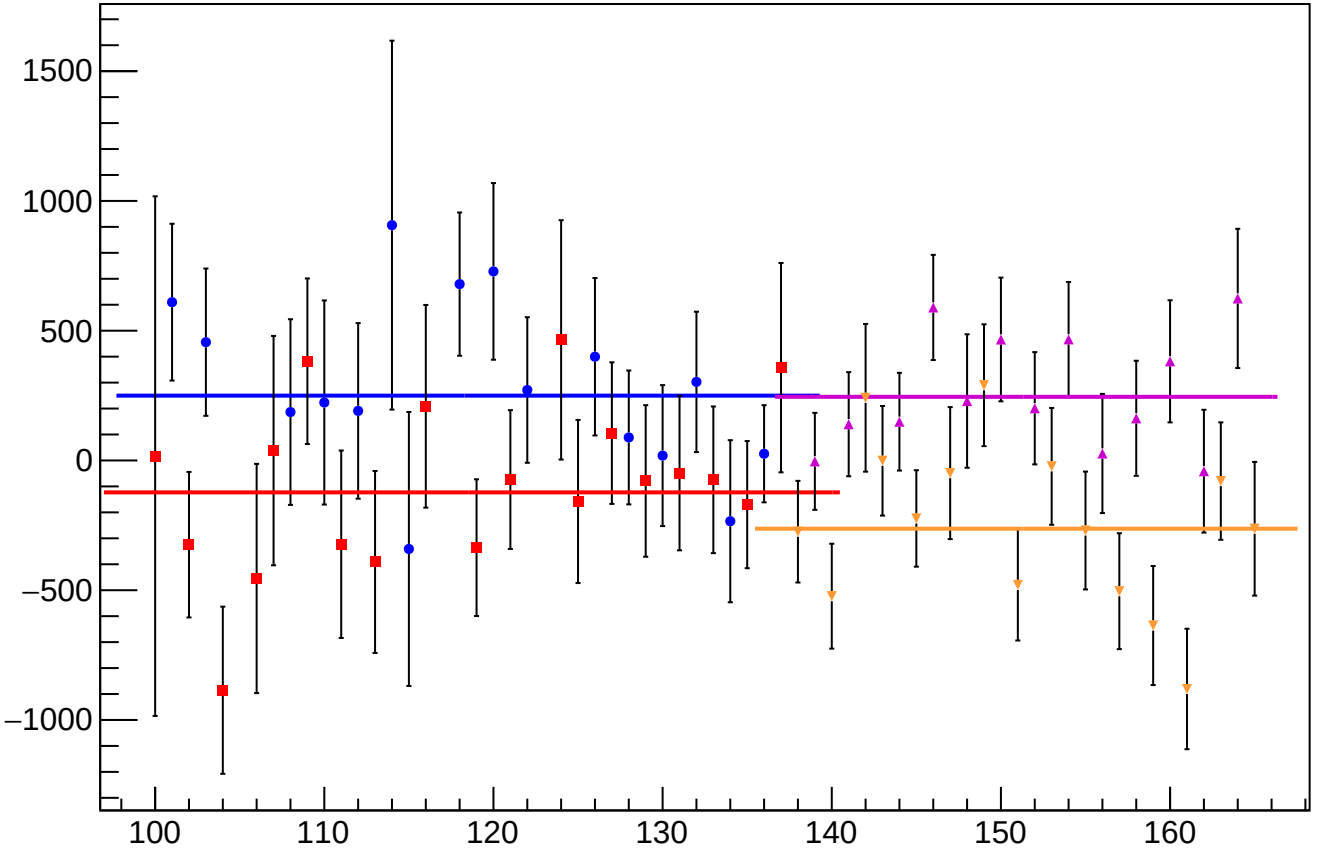
+ sign -0.000+/-0.000 χ^2/NDF: 26.1/30

All: 0.000+/-0.000 χ^2/NDF: 55.4/62

- sign 0.000+/-0.000 χ^2/NDF: 28.7/31


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1274289.0/14
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:815819.0/12
+ sign 0.000+/-0.000 χ²/NDF: 4112429.6/30
All: 0.000+/-0.000 χ²/NDF: 8233901.1/62
- sign 0.000+/-0.000 χ²/NDF: 4057949.8/31

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.921+/-57.638 χ^2/NDF:26.4/14

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

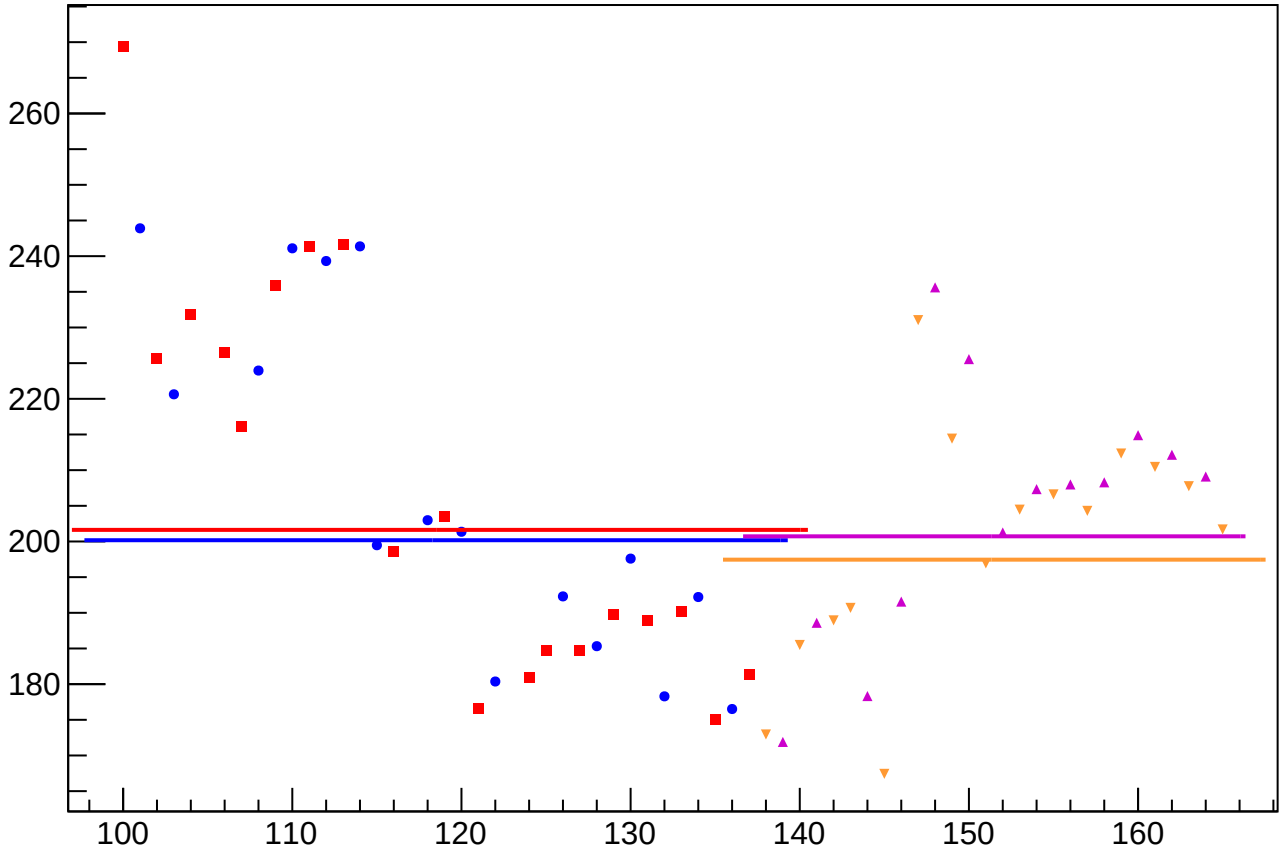
Left In: 245.164+/-60.878 χ^2/NDF:12.0/12

+ sign -72.165+/-45.674 χ^2/NDF: 69.5/30

All: 10.020+/-32.791 χ^2/NDF: 118.4/62

- sign 97.448+/-47.108 χ^2/NDF: 42.2/31

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.452+/-0.041 χ^2/NDF:166161.0/14

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

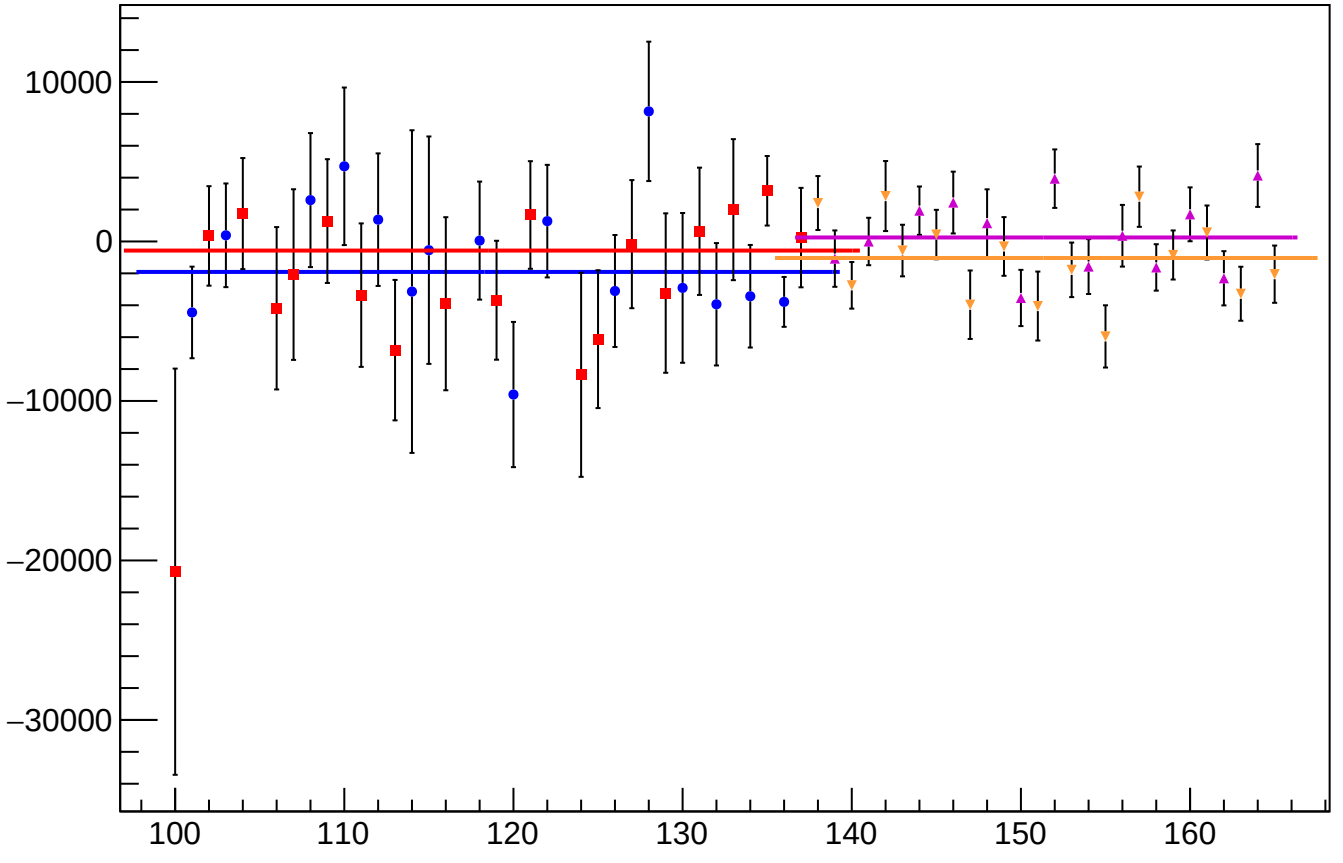
Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

+ sign 198.466+/-0.032 χ^2/NDF: 348825.6/30

All: 199.735+/-0.023 χ^2/NDF: 715315.1/62

- sign 201.086+/-0.033 χ^2/NDF: 363299.8/31

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -1036.357+/-453.320 χ^2/NDF:27.3/14

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

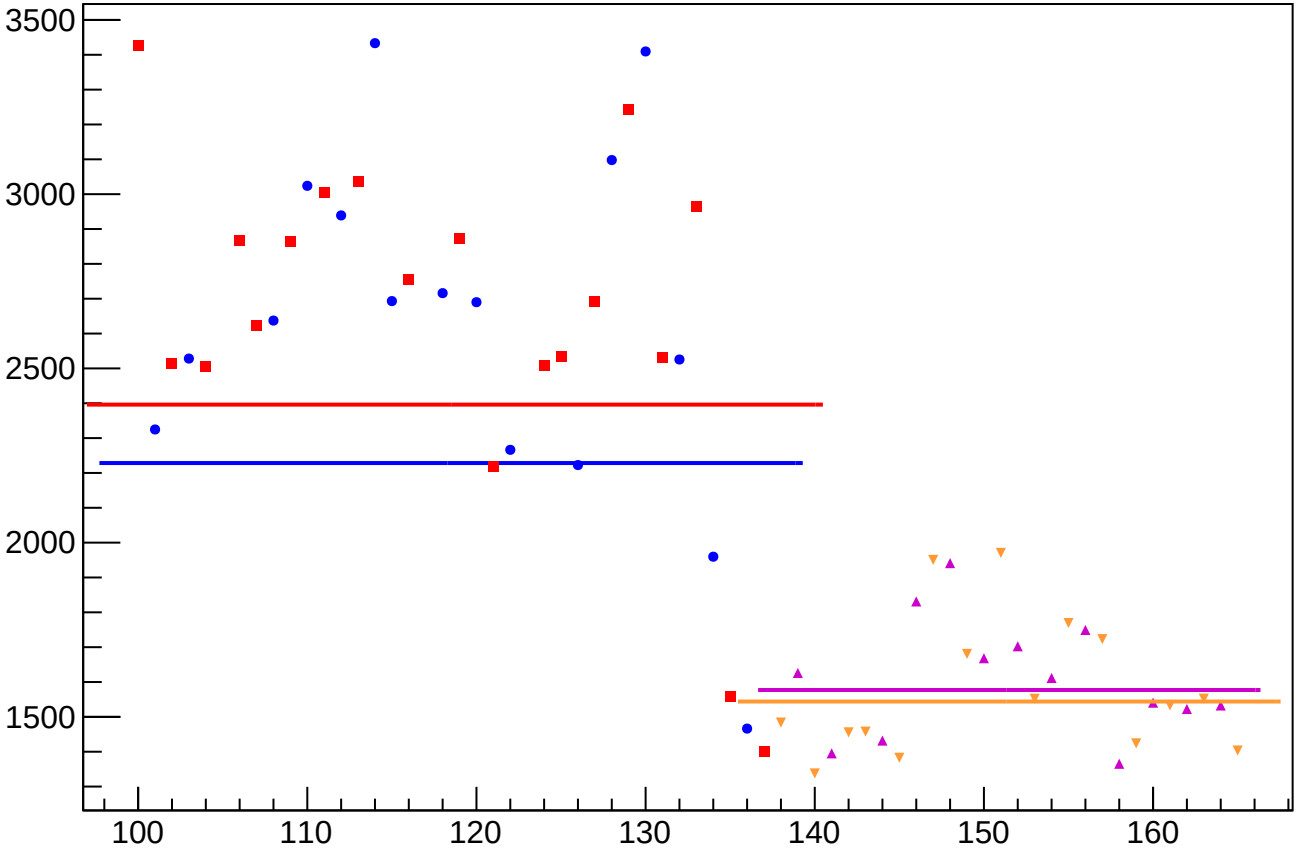
Left In: 250.320+/-479.602 χ^2/NDF:21.6/12

+ sign -1226.710+/-400.926 χ^2/NDF: 44.3/30

All: -614.089+/-291.087 χ^2/NDF: 86.2/62

- sign 68.825+/-423.303 χ^2/NDF: 36.9/31

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1544.037+/-0.321 χ^2/NDF:302919.6/14

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

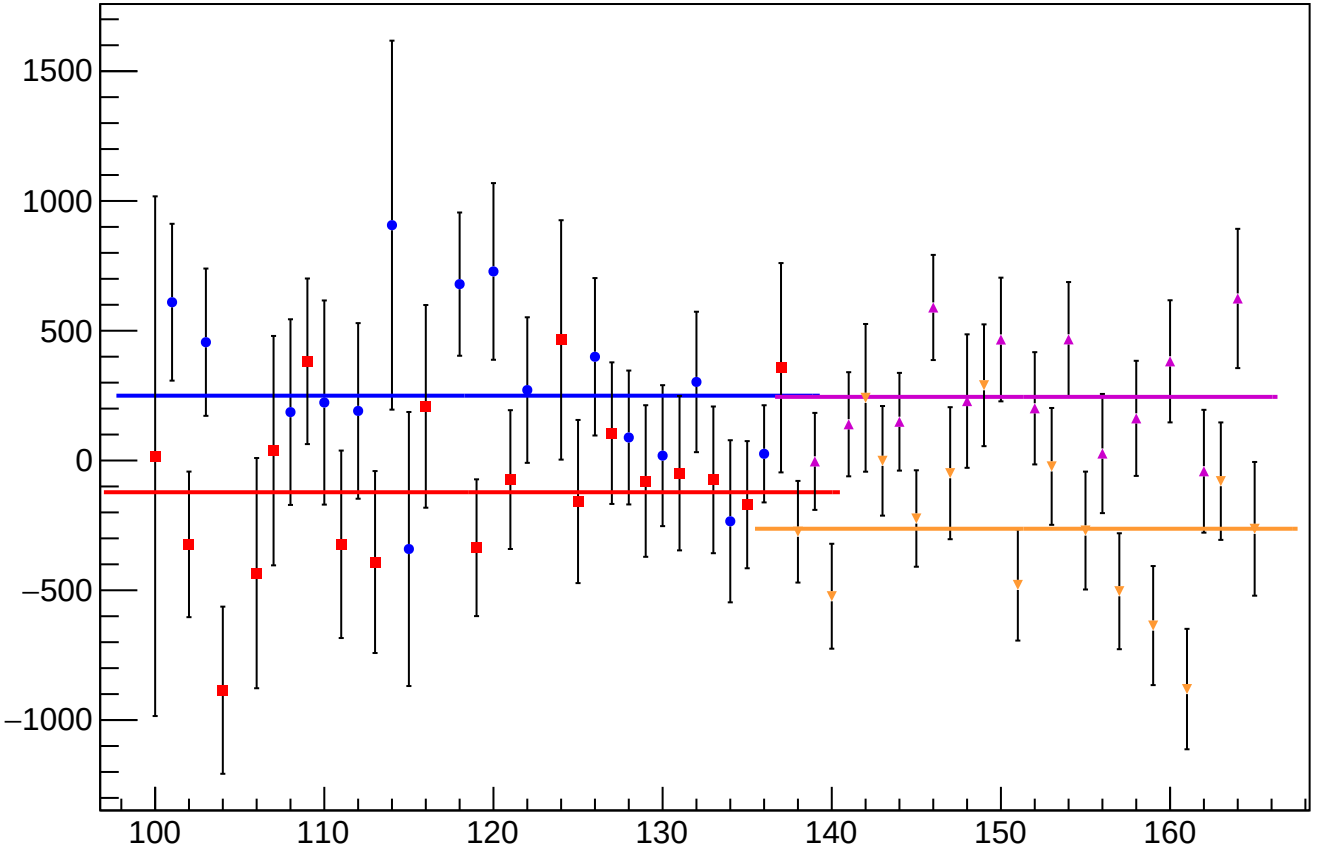
Left In: 1577.125+/-0.339 χ^2/NDF:220735.1/12

+ sign 1693.097+/-0.283 χ^2/NDF: 2243430.9/30

All: 1723.839+/-0.206 χ^2/NDF: 4577229.6/62

- sign 1758.109+/-0.299 χ^2/NDF: 2308930.7/31

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.915+/-57.638 χ^2/NDF:26.4/14

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

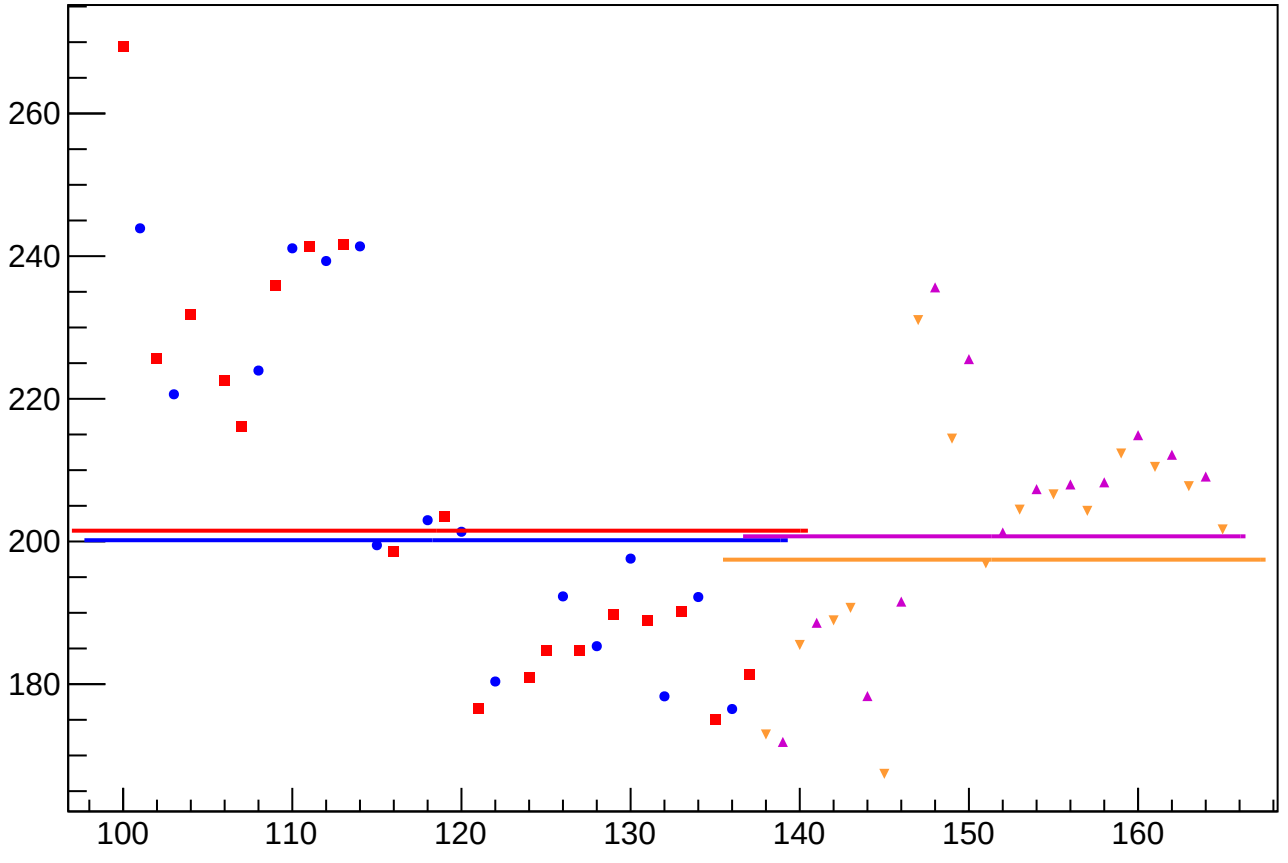
Left In: 245.167+/-60.878 χ^2/NDF:12.0/12

+ sign -72.160+/-45.674 χ^2/NDF: 69.5/30

All: 10.183+/-32.792 χ^2/NDF: 118.3/62

- sign 97.788+/-47.110 χ^2/NDF: 42.0/31

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.452+/-0.041 χ^2/NDF:166161.0/14

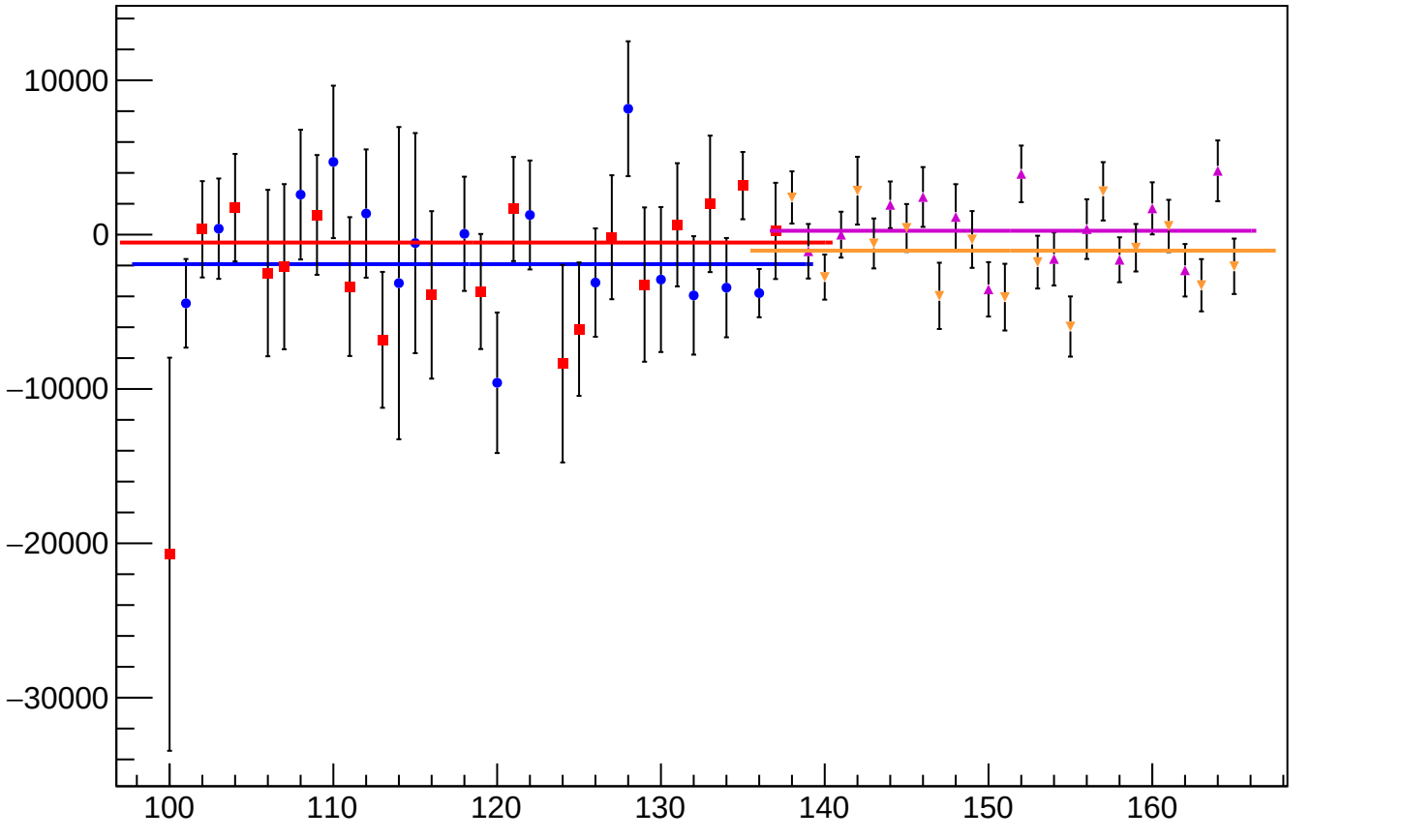
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

+ sign 198.466+/-0.032 χ^2/NDF: 348826.0/30

All: 199.713+/-0.023 χ^2/NDF: 713350.0/62

- sign 201.041+/-0.033 χ^2/NDF: 361444.0/31



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1036.355+/-453.320 χ^2/NDF:27.3/14

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

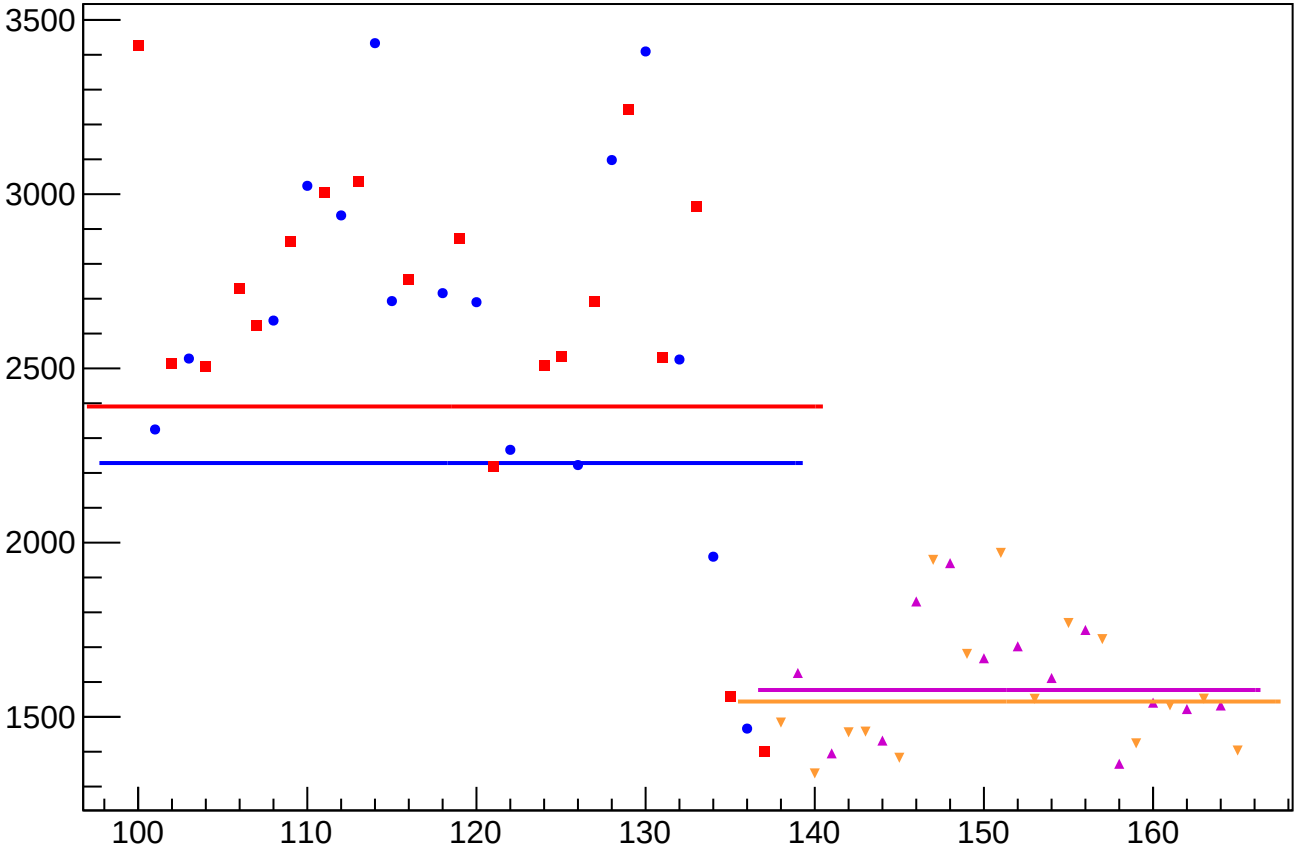
Left In: 250.316+/-479.602 χ^2/NDF:21.6/12

+ sign -1226.700+/-400.926 χ^2/NDF: 44.3/30

All: -607.884+/-291.140 χ^2/NDF: 85.8/62

- sign 82.462+/-423.465 χ^2/NDF: 36.4/31

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.038+/-0.321 χ^2/NDF:302919.7/14

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

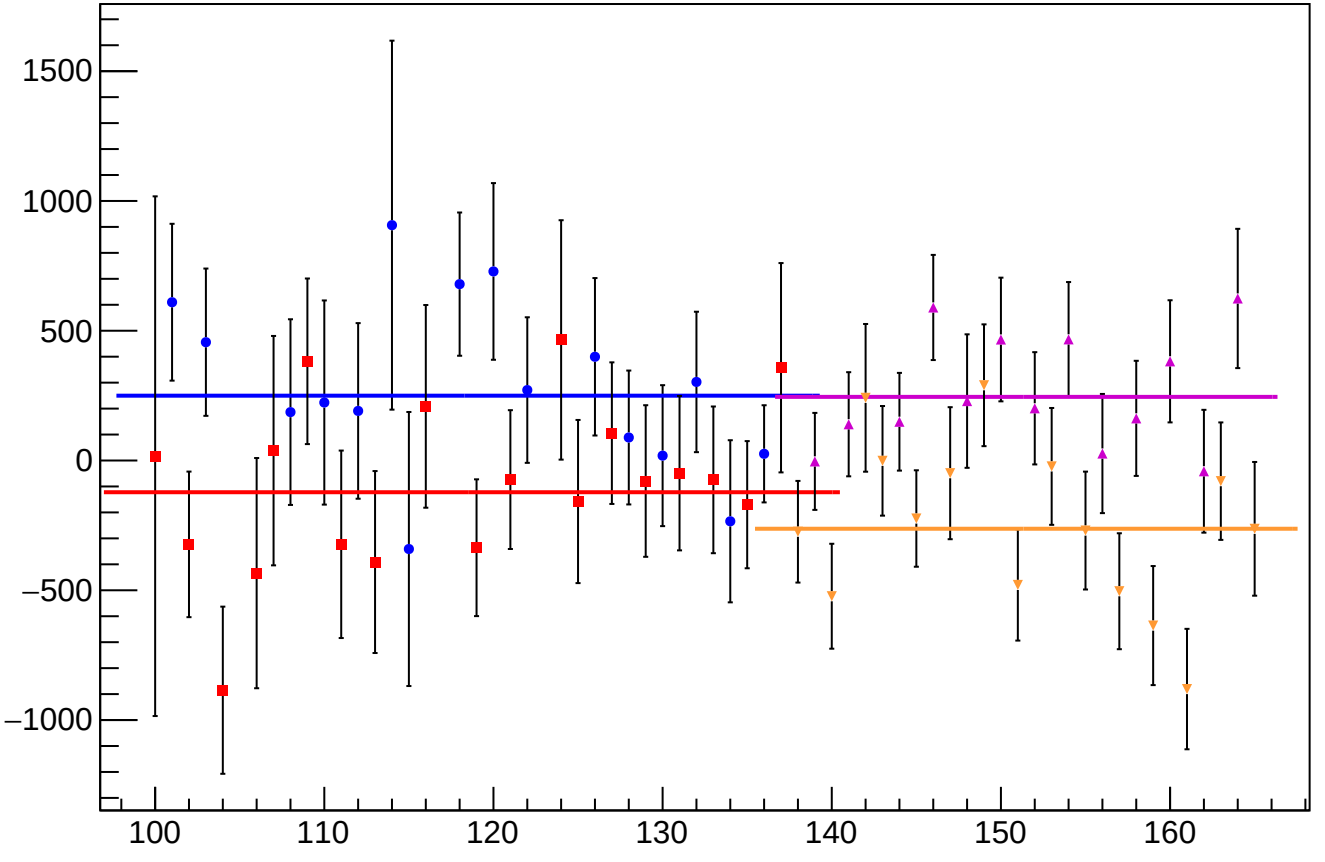
Left In: 1577.126+/-0.339 χ^2/NDF:220735.0/12

+ sign 1693.098+/-0.283 χ^2/NDF: 2243442.0/30

All: 1723.040+/-0.206 χ^2/NDF: 4546318.4/62

- sign 1756.443+/-0.299 χ^2/NDF: 2279277.1/31

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.915+/-57.638 χ^2/NDF:26.4/14

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

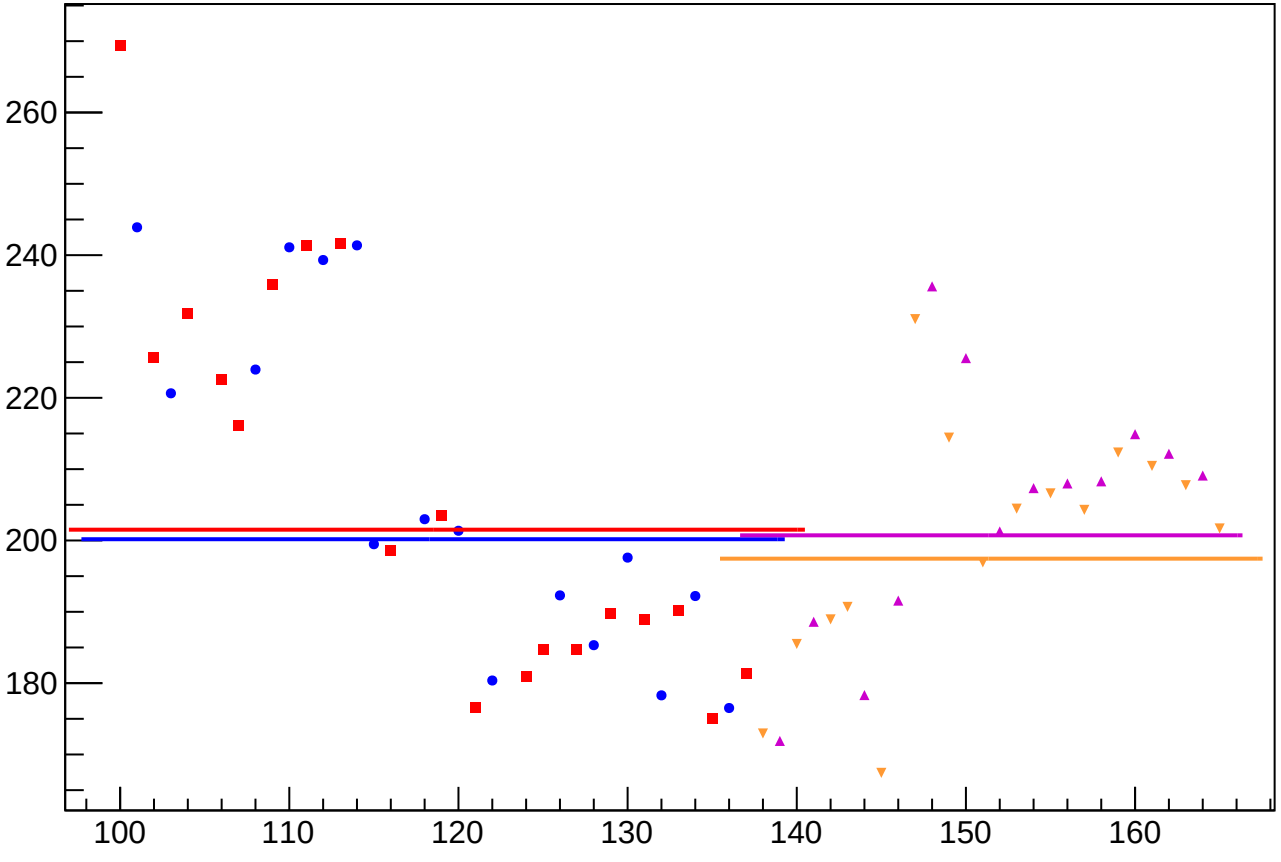
Left In: 245.167+/-60.878 χ^2/NDF:12.0/12

+ sign -72.160+/-45.674 χ^2/NDF: 69.5/30

All: 10.183+/-32.792 χ^2/NDF: 118.3/62

- sign 97.788+/-47.110 χ^2/NDF: 42.0/31

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.452+/-0.041 χ^2/NDF:166161.0/14

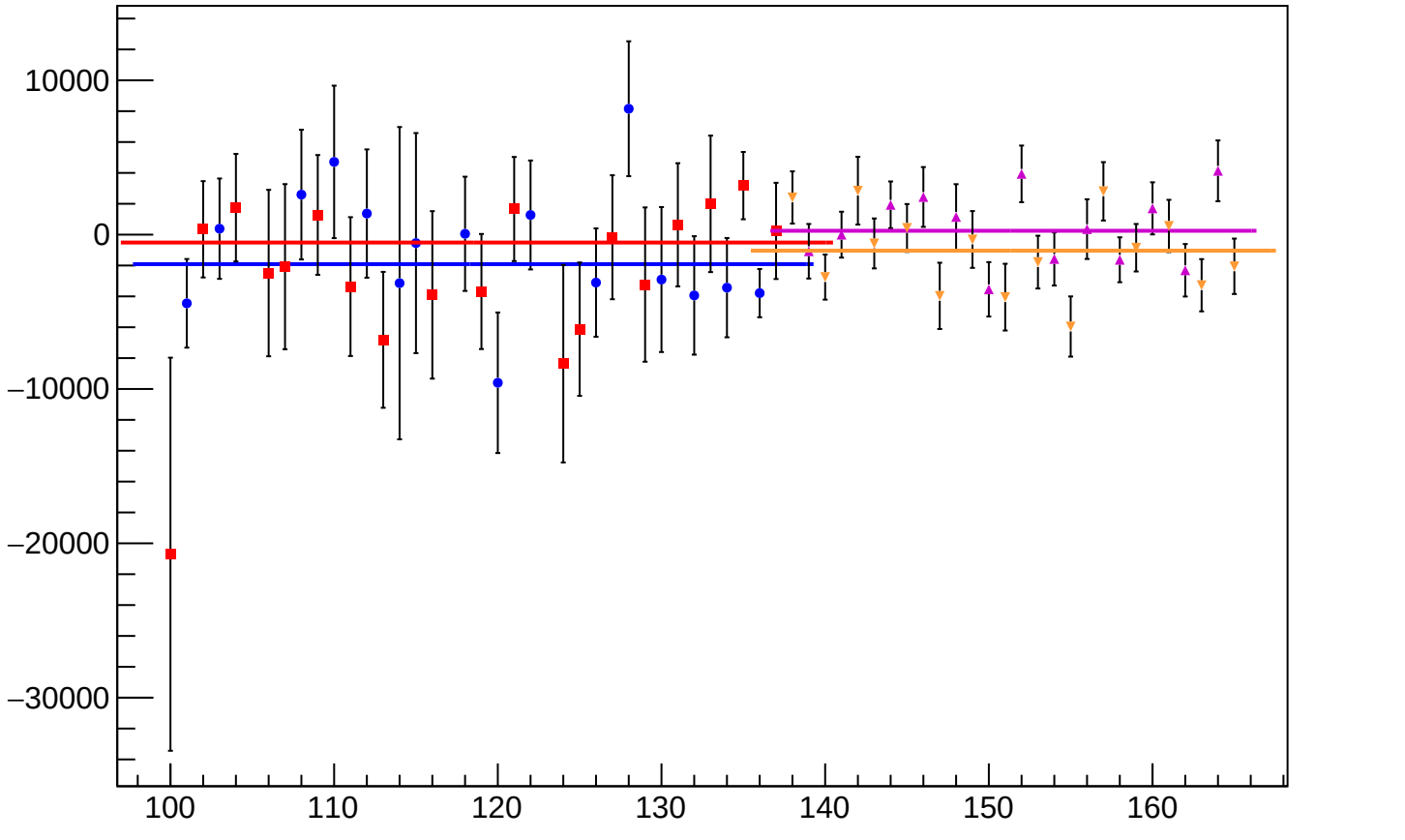
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

+ sign 198.466+/-0.032 χ^2/NDF: 348826.0/30

All: 199.713+/-0.023 χ^2/NDF: 713350.0/62

- sign 201.041+/-0.033 χ^2/NDF: 361444.0/31



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1036.355+/-453.320 χ^2/NDF:27.3/14

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

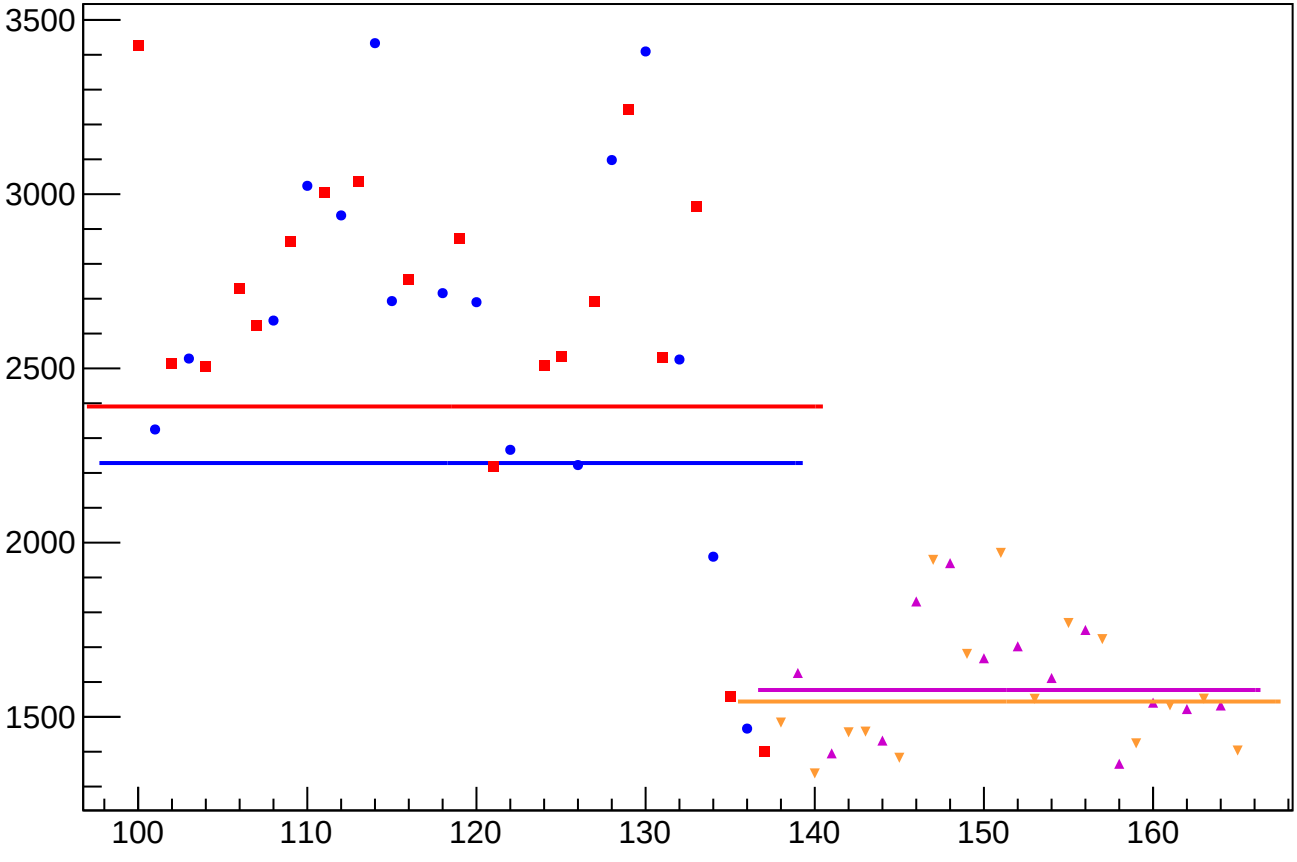
Left In: 250.316+/-479.602 χ^2/NDF:21.6/12

\+ sign -1226.700+/-400.926 χ^2/NDF: 44.3/30

All: -607.884+/-291.140 χ^2/NDF: 85.8/62

\- sign 82.462+/-423.465 χ^2/NDF: 36.4/31

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.038+/-0.321 χ^2/NDF:302919.7/14

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

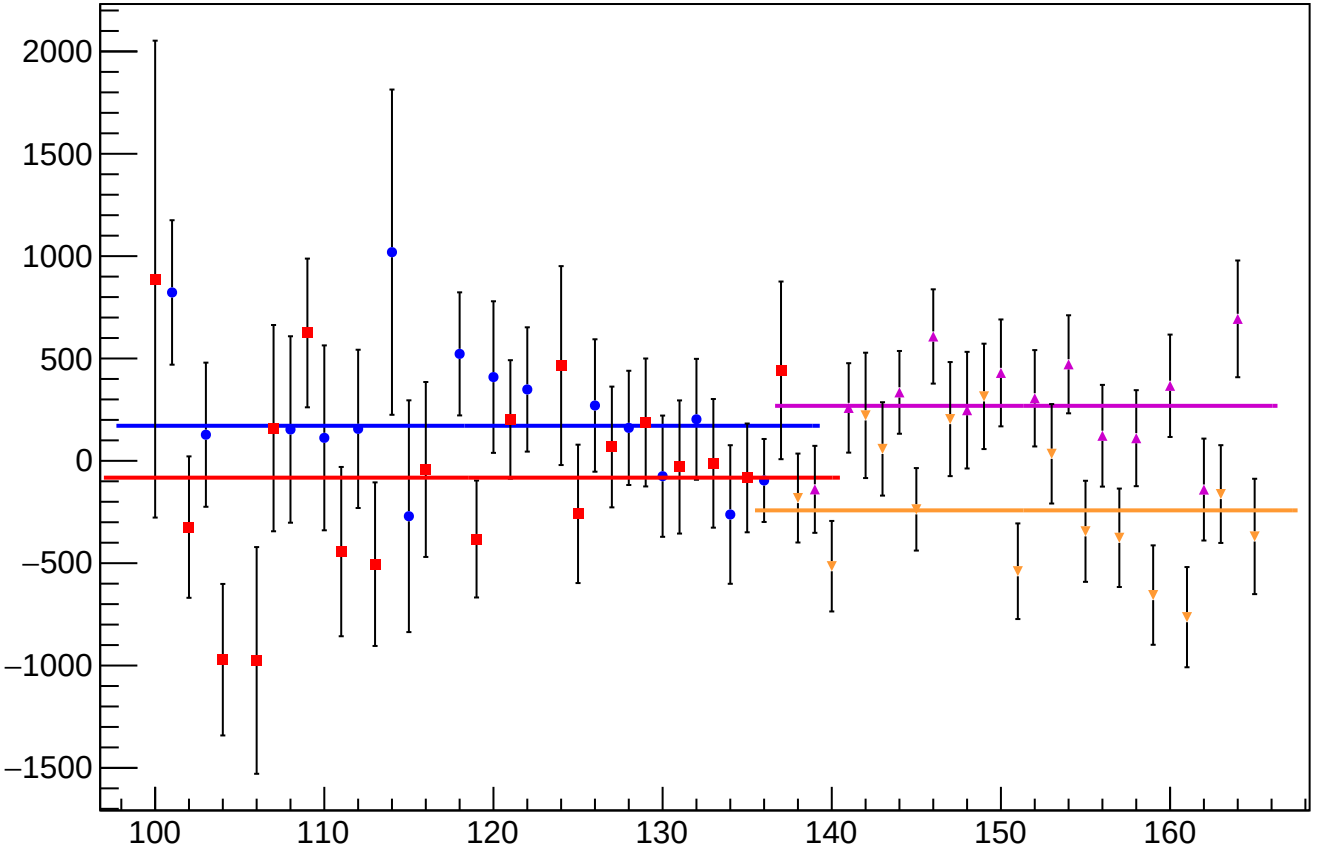
Left In: 1577.126+/-0.339 χ^2/NDF:220735.0/12

+ sign 1693.098+/-0.283 χ^2/NDF: 2243442.0/30

All: 1723.040+/-0.206 χ^2/NDF: 4546318.4/62

- sign 1756.443+/-0.299 χ^2/NDF: 2279277.1/31

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -241.967+/-62.392 χ^2/NDF:24.0/14

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

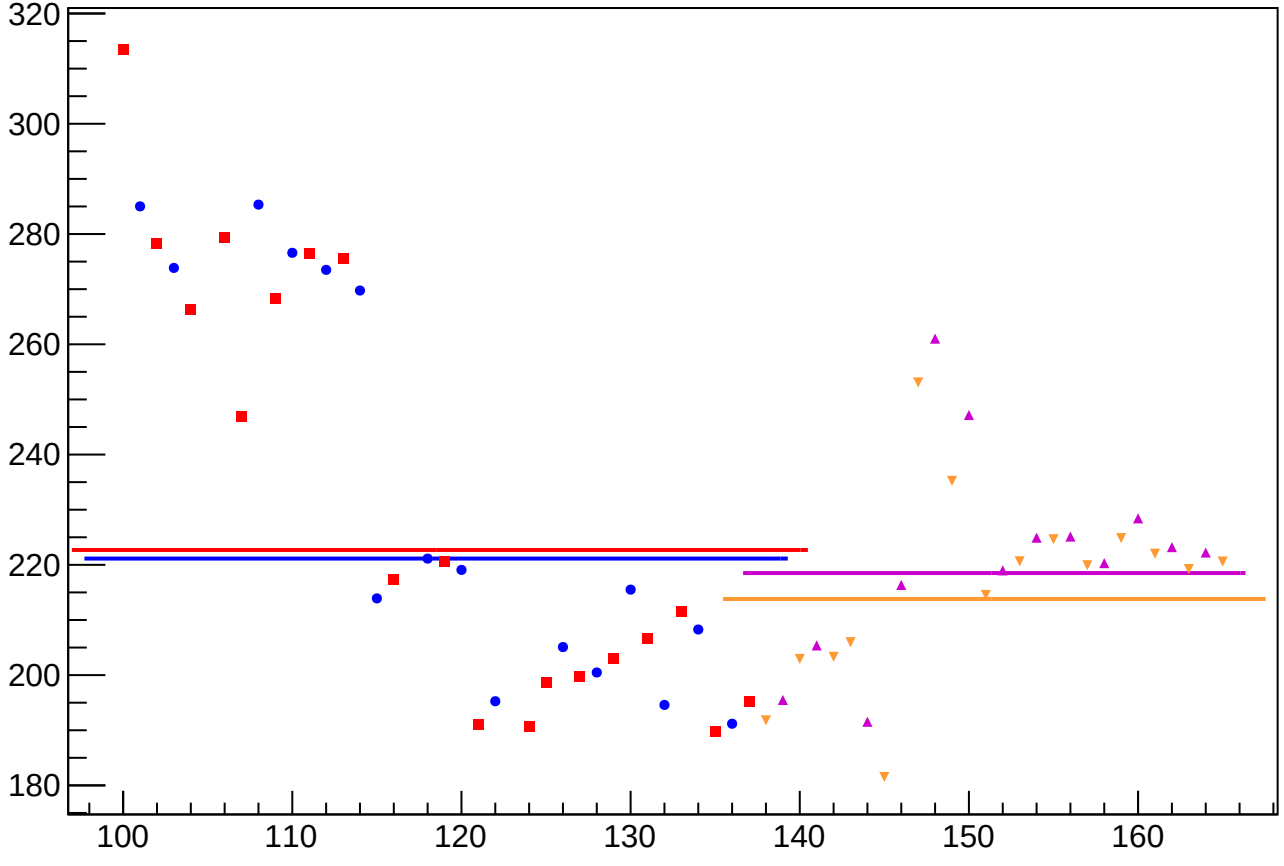
Left In: 268.722+/-66.272 χ^2/NDF:13.0/12

\+ sign -93.039+/-49.897 χ^2/NDF: 51.3/30

All: 15.152+/-35.896 χ^2/NDF: 106.6/62

\- sign 131.200+/-51.678 χ^2/NDF: 45.6/31

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.806+/-0.044 χ^2/NDF:150335.6/14

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

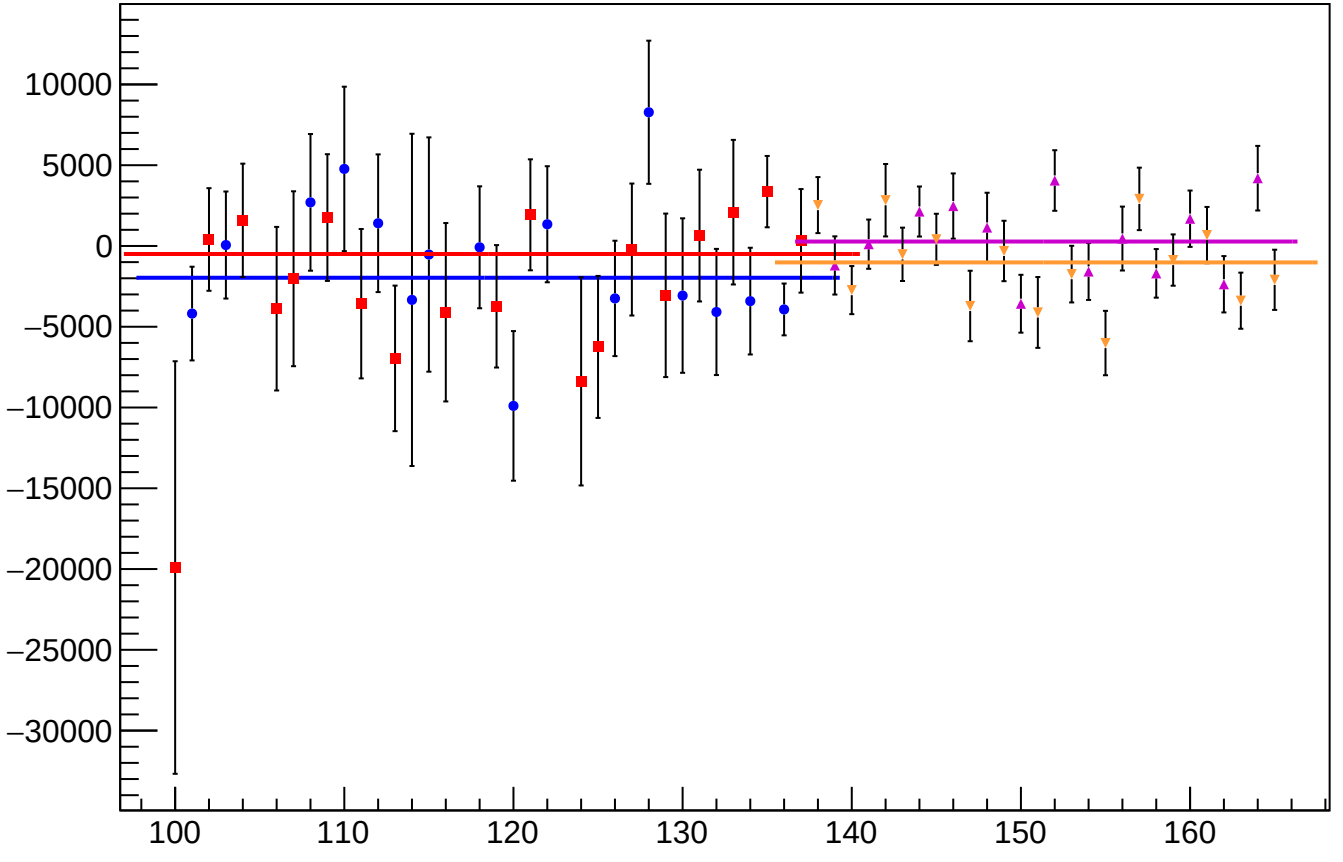
Left In: 218.512+/-0.047 χ^2/NDF:142265.8/12

+ sign 216.449+/-0.035 χ^2/NDF: 478995.2/30

All: 218.236+/-0.025 χ^2/NDF: 956735.9/62

- sign 220.152+/-0.037 χ^2/NDF: 472425.4/31

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -1018.299+/-464.051 χ^2/NDF:26.8/14

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

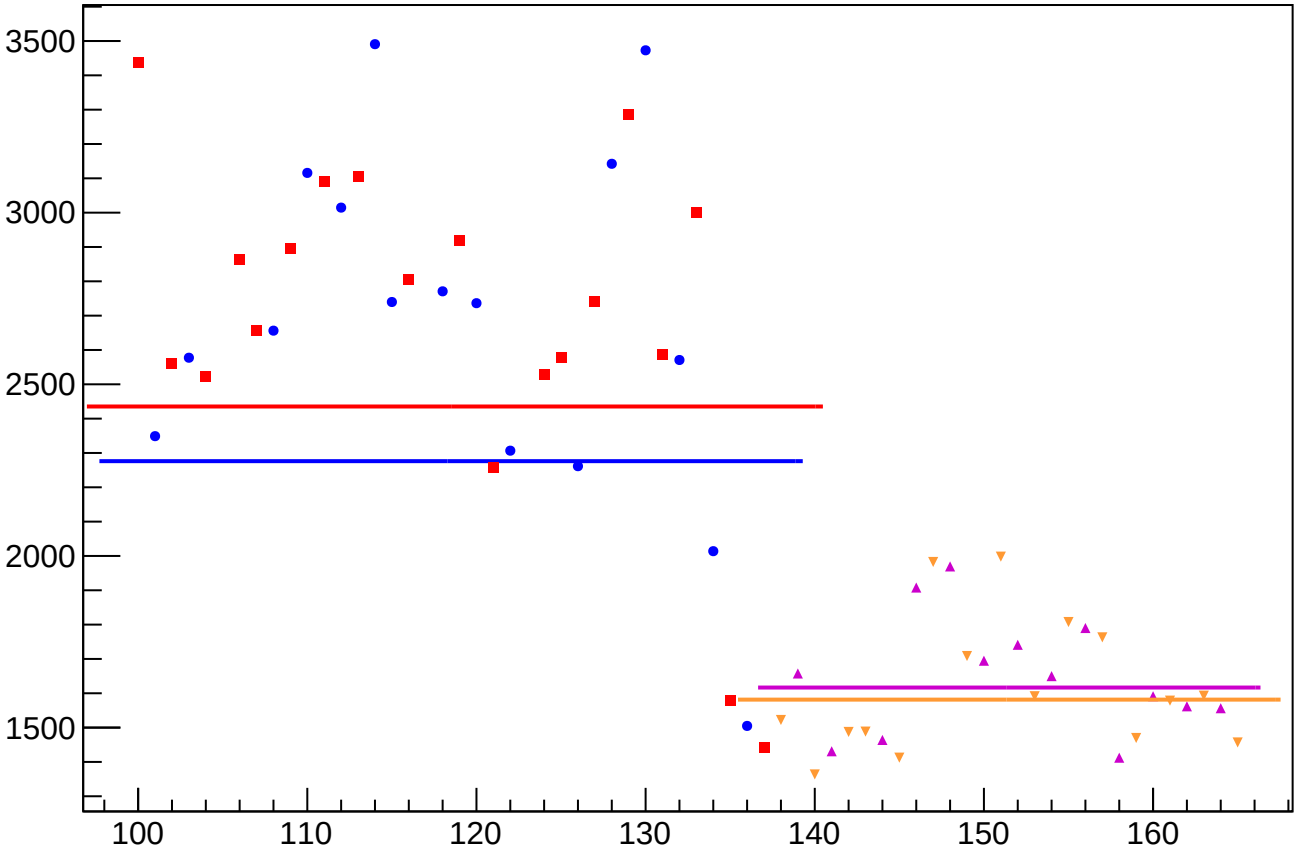
Left In: 275.023+/-491.507 χ^2/NDF:21.8/12

+ sign -1226.052+/-410.129 χ^2/NDF: 43.8/30

All: -597.968+/-297.751 χ^2/NDF: 85.9/62

- sign 102.009+/-432.966 χ^2/NDF: 37.1/31

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1581.491+/-0.328 χ^2/NDF:289308.5/14

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

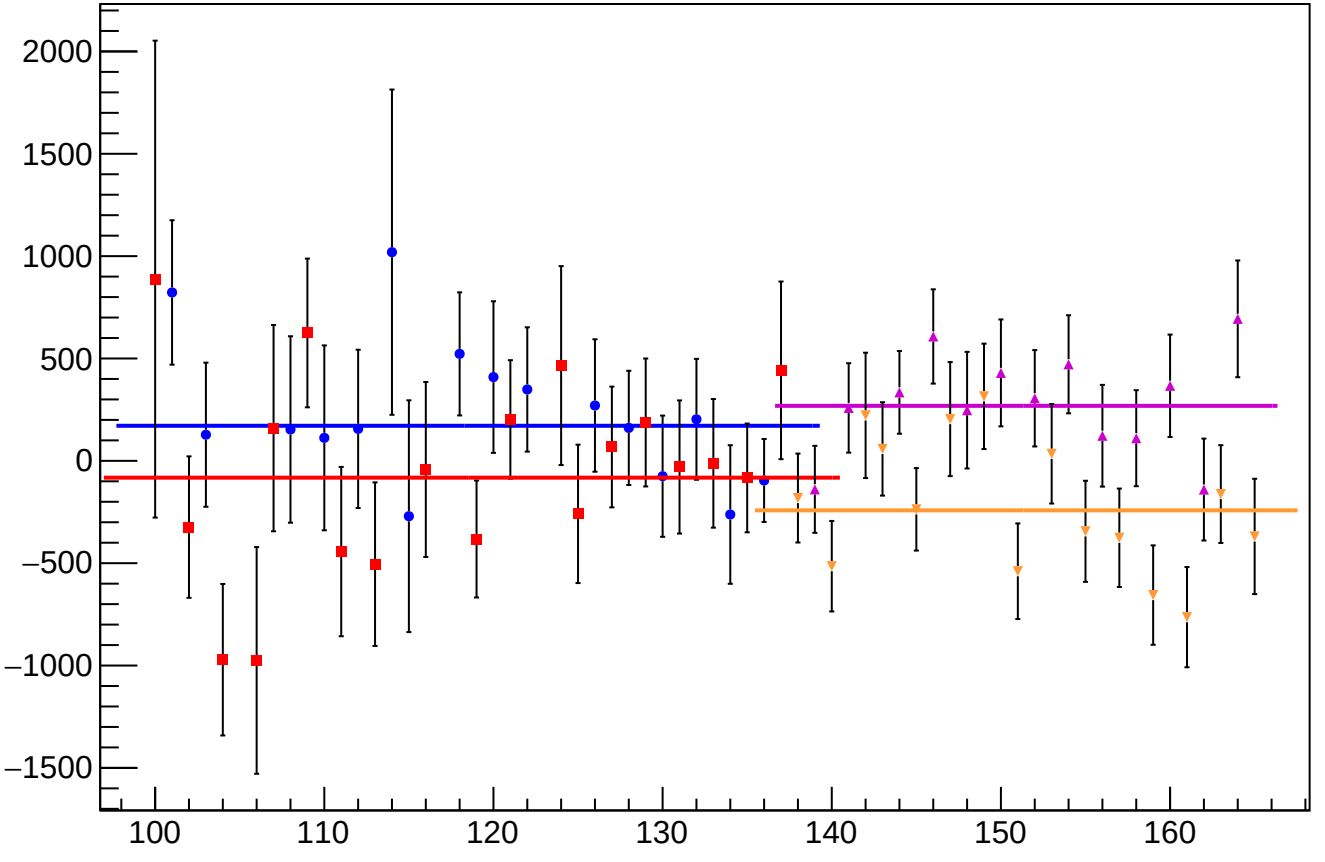
Left In: 1616.664+/-0.348 χ^2/NDF:215226.4/12

+ sign 1733.542+/-0.290 χ^2/NDF: 2197254.6/30

All: 1765.006+/-0.211 χ^2/NDF: 4471979.1/62

- sign 1800.071+/-0.306 χ^2/NDF: 2249836.0/31

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -241.966+/-62.392 χ^2/NDF:24.0/14

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

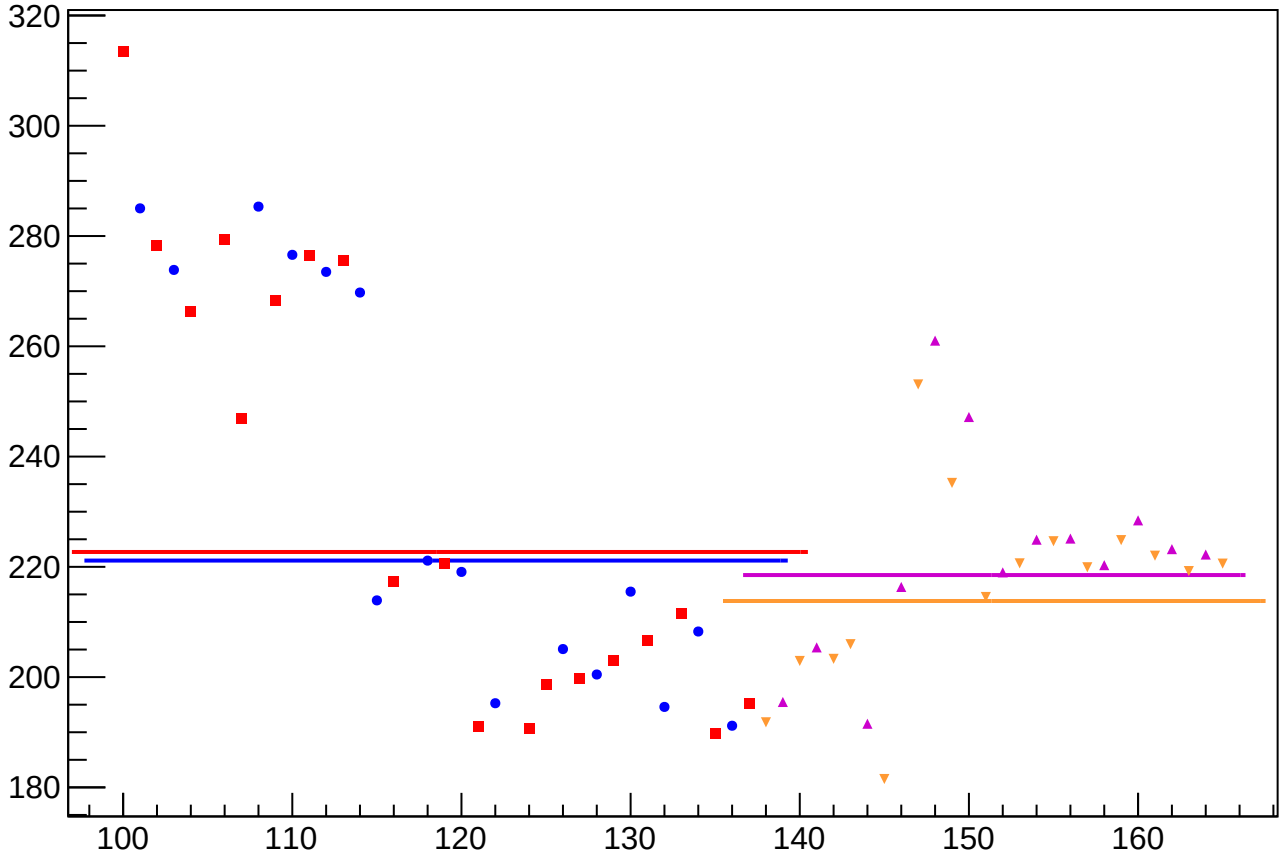
Left In: 268.725+/-66.272 χ^2/NDF:13.0/12

\+ sign -93.037+/-49.897 χ^2/NDF: 51.3/30

All: 15.154+/-35.896 χ^2/NDF: 106.6/62

\- sign 131.202+/-51.678 χ^2/NDF: 45.6/31

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.806+/-0.044 χ^2/NDF:150339.6/14

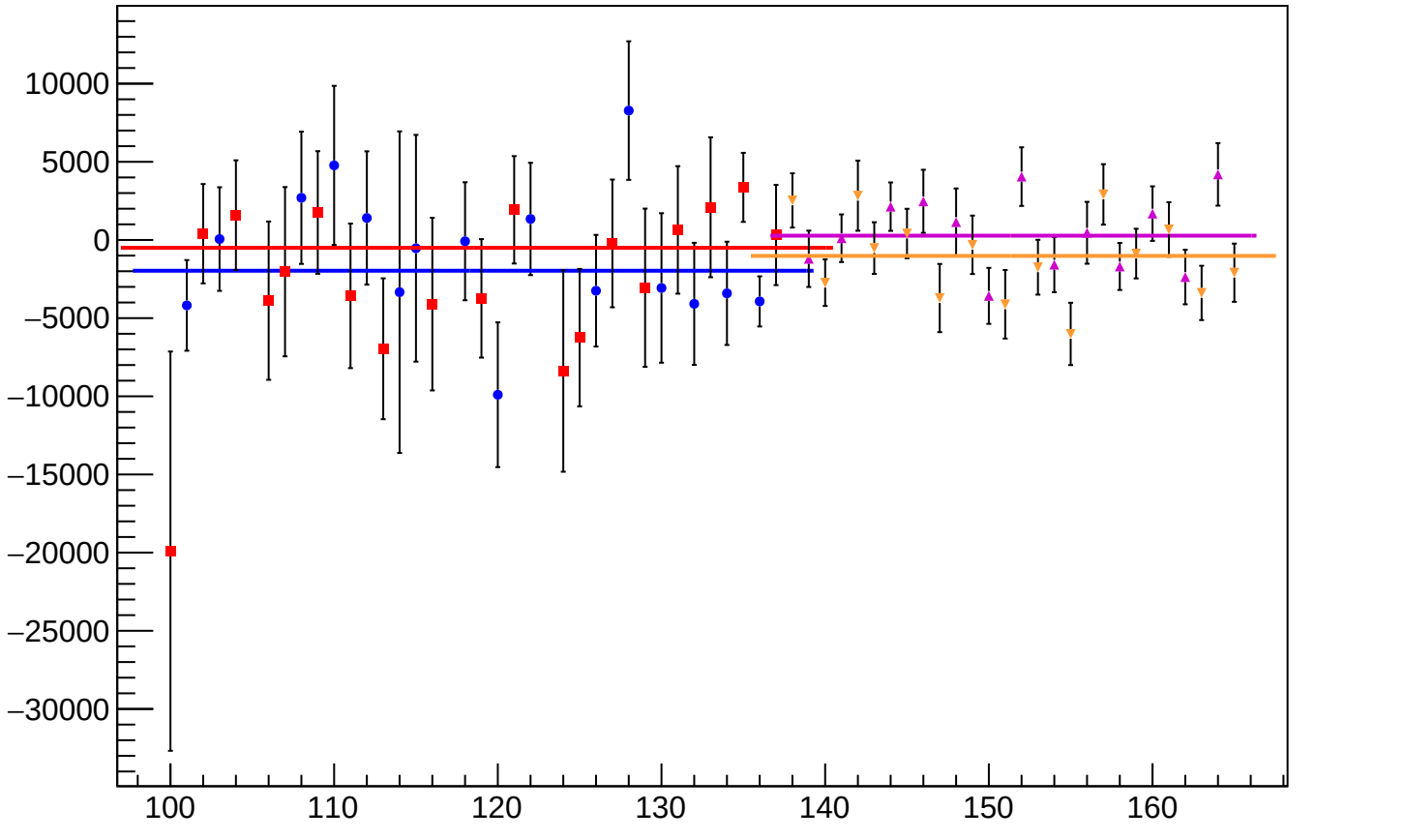
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 218.511+/-0.047 χ^2/NDF:142267.7/12

+ sign 216.448+/-0.035 χ^2/NDF: 478991.1/30

All: 218.235+/-0.025 χ^2/NDF: 956725.6/62

- sign 220.152+/-0.037 χ^2/NDF: 472419.1/31



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -1018.297+/-464.051 χ^2/NDF:26.8/14

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

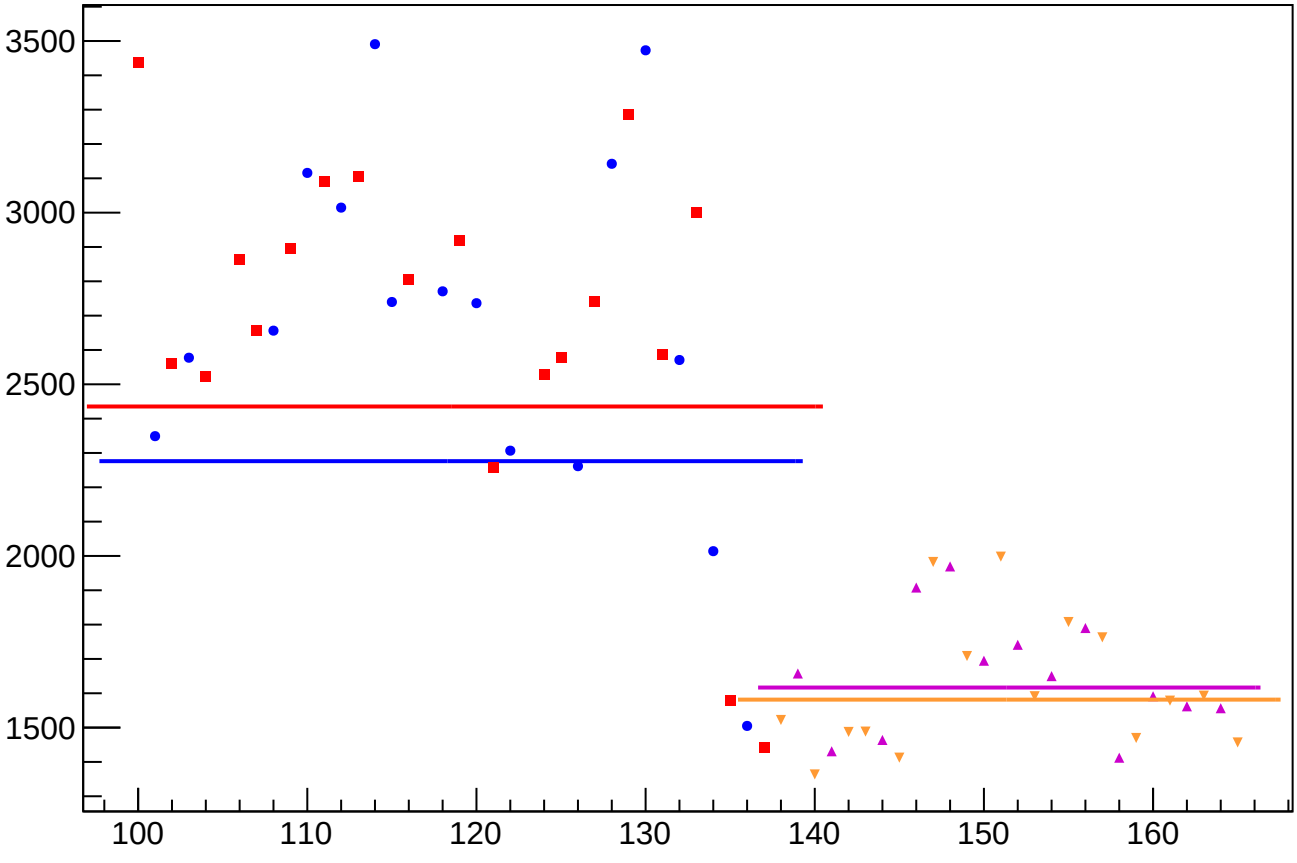
Left In: 275.023+/-491.507 χ^2/NDF:21.8/12

+ sign -1226.051+/-410.129 χ^2/NDF: 43.8/30

All: -597.968+/-297.751 χ^2/NDF: 85.9/62

- sign 102.007+/-432.966 χ^2/NDF: 37.1/31

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1581.491+/-0.328 χ^2/NDF:289311.7/14

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

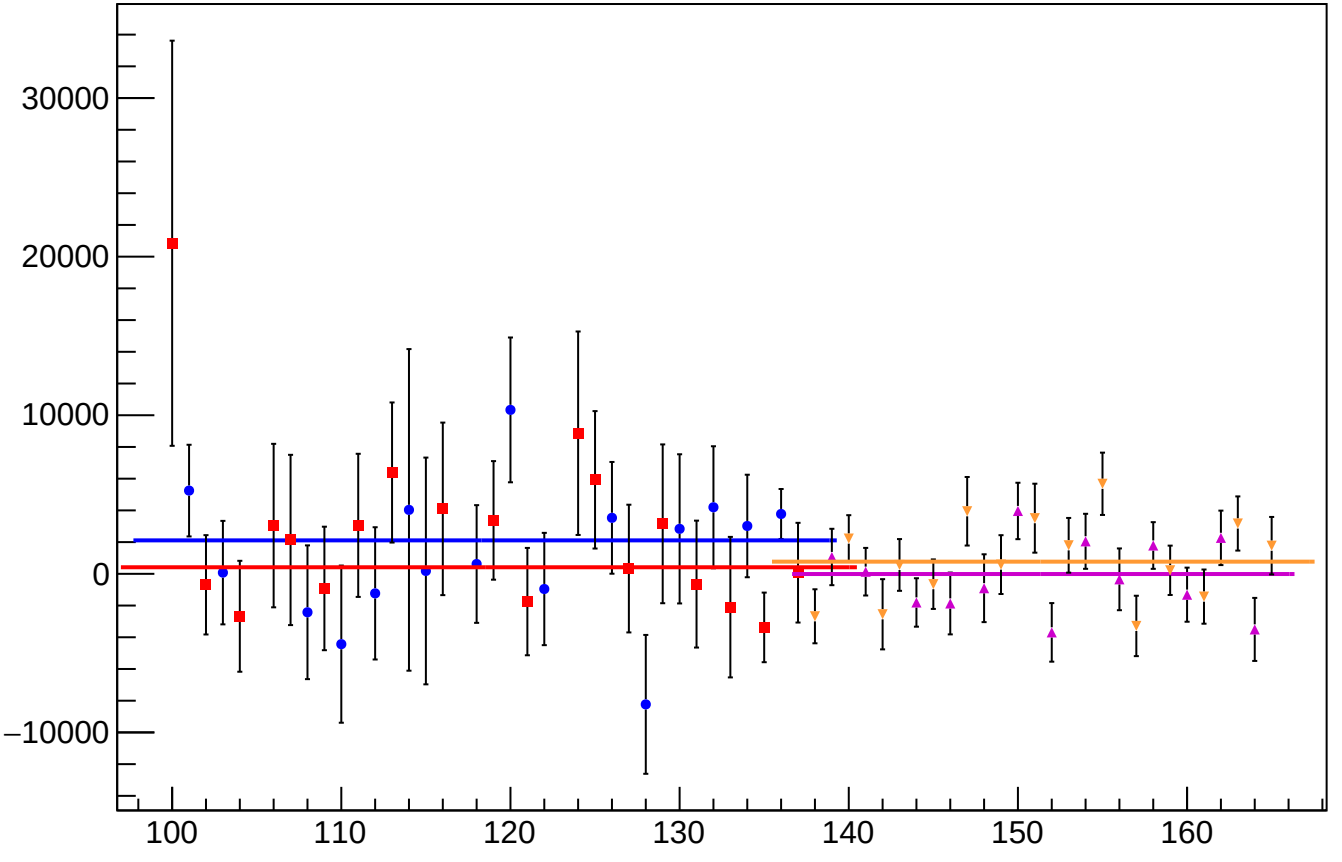
Left In: 1616.664+/-0.348 χ^2/NDF:215227.6/12

+ sign 1733.542+/-0.290 χ^2/NDF: 2197243.3/30

All: 1765.005+/-0.211 χ^2/NDF: 4471955.6/62

- sign 1800.070+/-0.306 χ^2/NDF: 2249823.9/31

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 767.897+/-457.182 χ^2/NDF:27.1/14

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

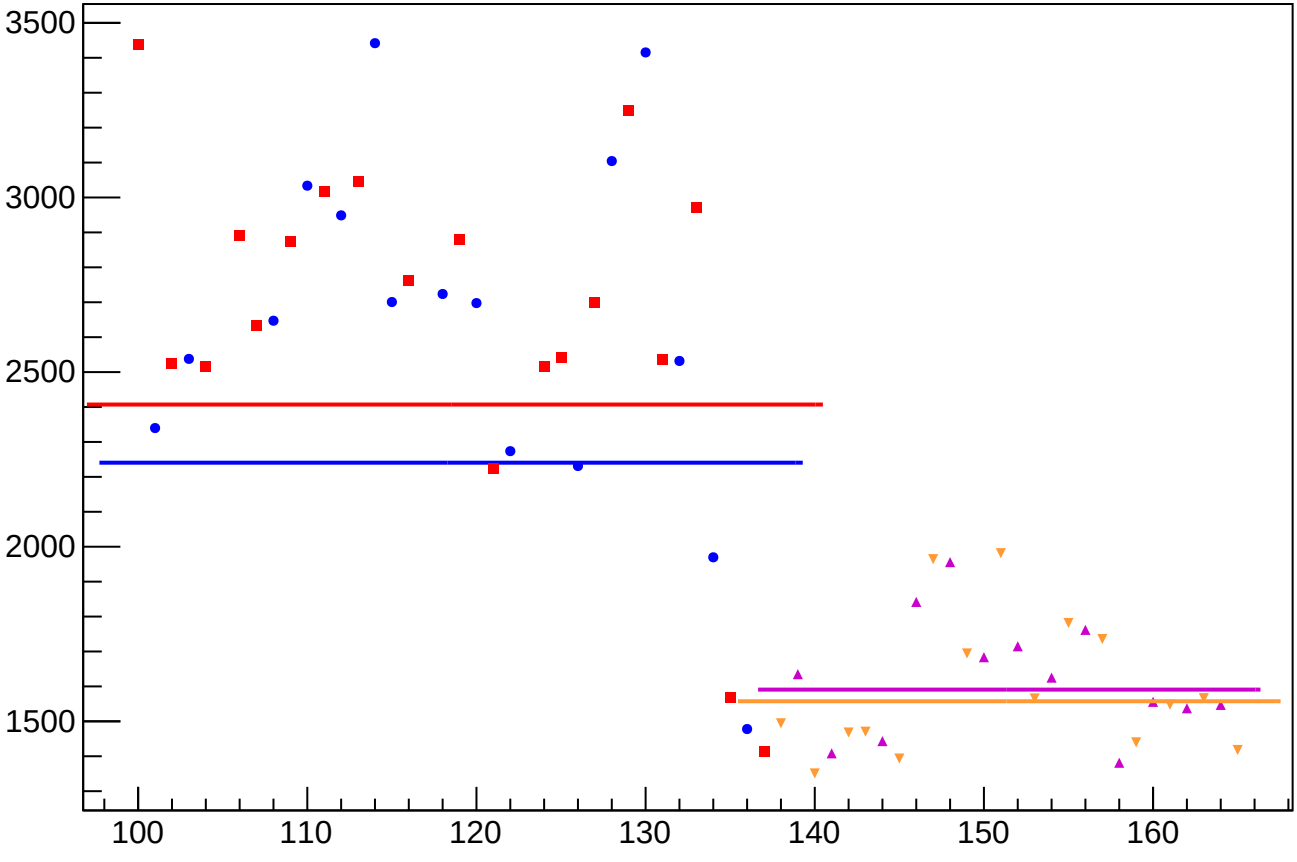
Left In: -12.505+/-483.689 χ^2/NDF:20.2/12

\+ sign 1061.753+/-404.023 χ^2/NDF: 45.6/30

All: 598.575+/-293.319 χ^2/NDF: 83.4/62

\- sign 82.374+/-426.523 χ^2/NDF: 35.0/31

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1557.489+/-0.323 χ^2/NDF:297906.7/14

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

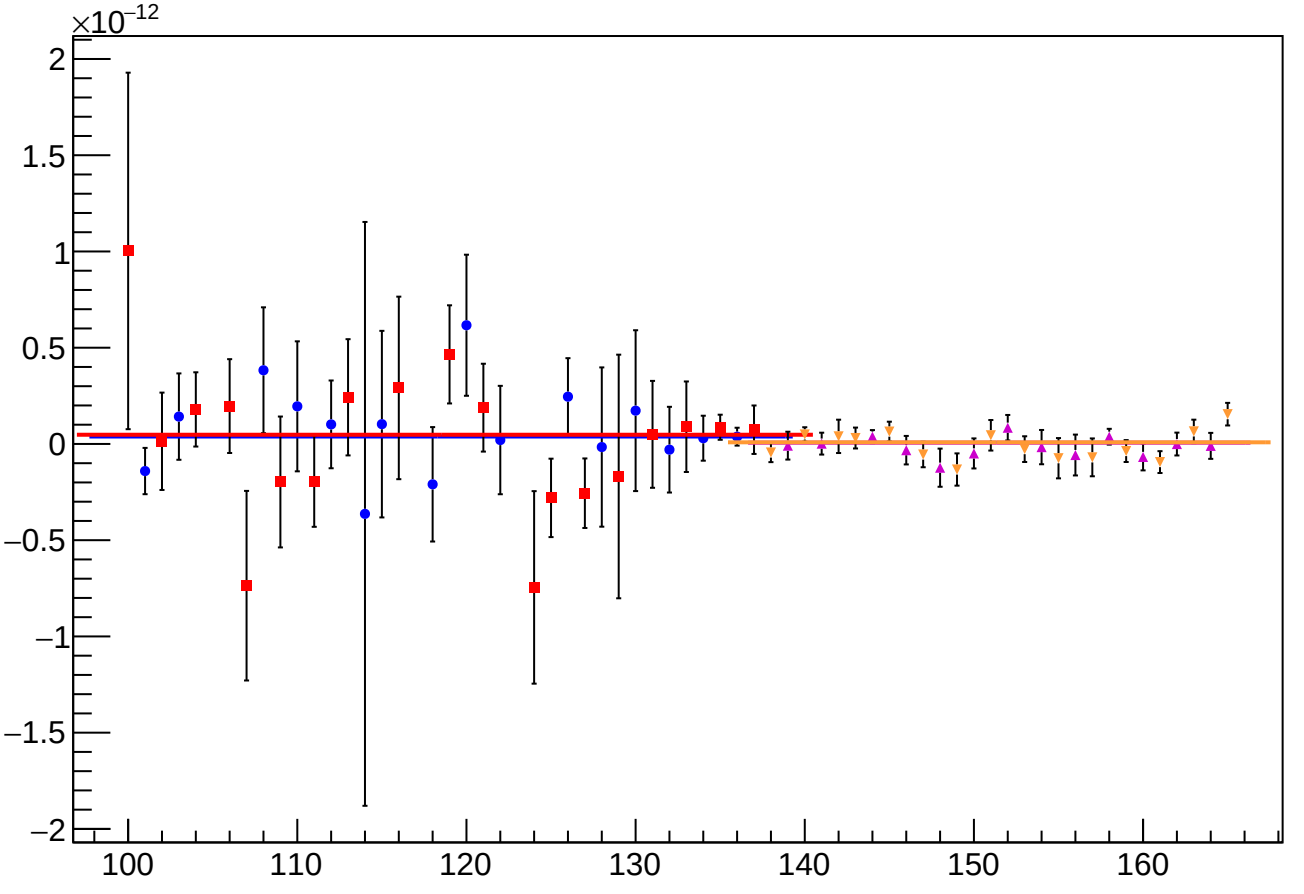
Left In: 1590.832+/-0.342 χ^2/NDF:215879.4/12

+ sign 1707.115+/-0.286 χ^2/NDF: 2209562.1/30

All: 1737.982+/-0.207 χ^2/NDF: 4505989.1/62

- sign 1772.382+/-0.302 χ^2/NDF: 2271743.3/31

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:20.3/14

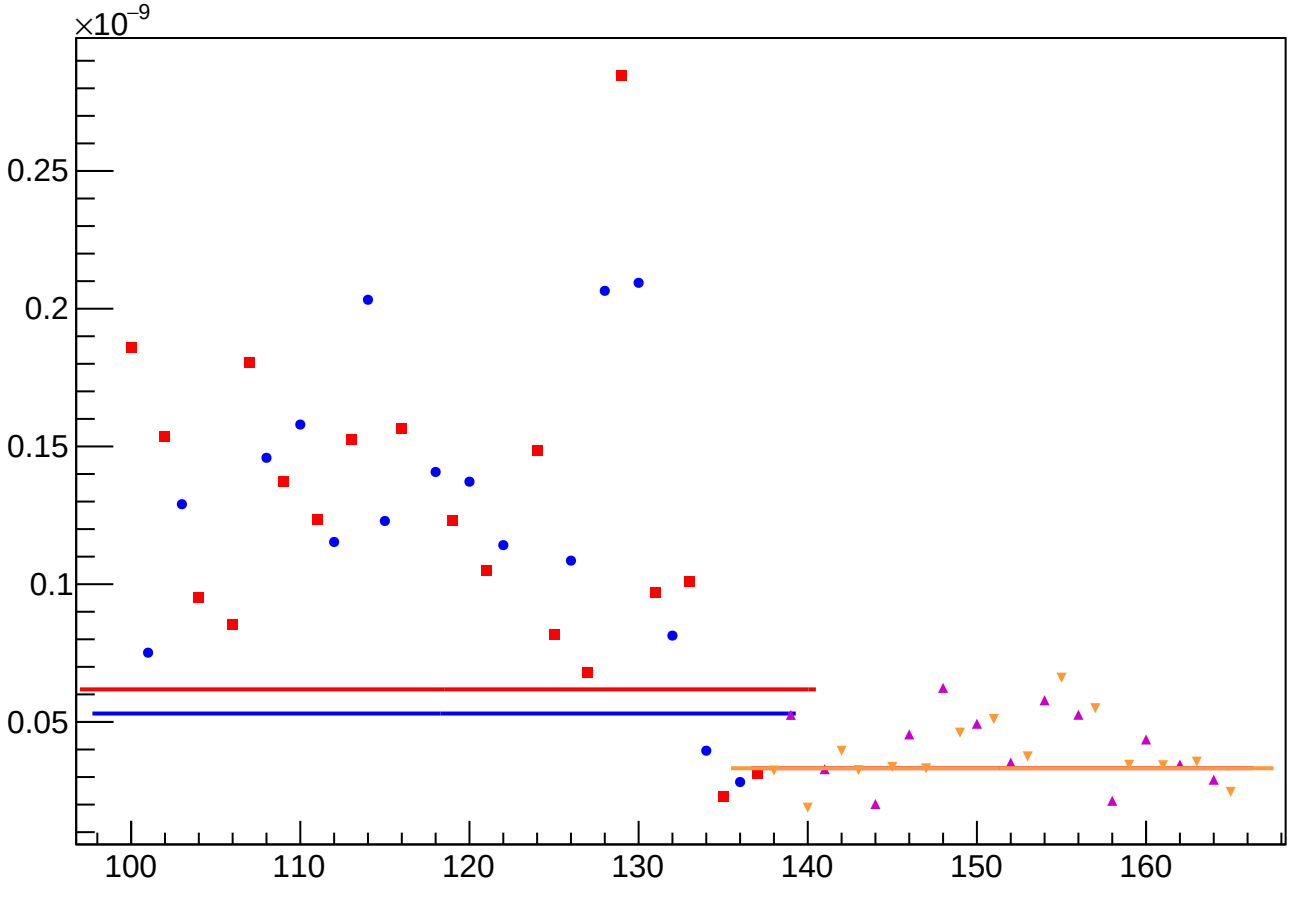
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 29.3/30

All: 0.000+/-0.000 χ^2/NDF: 55.3/62

- sign 0.000+/-0.000 χ^2/NDF: 26.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:804699.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

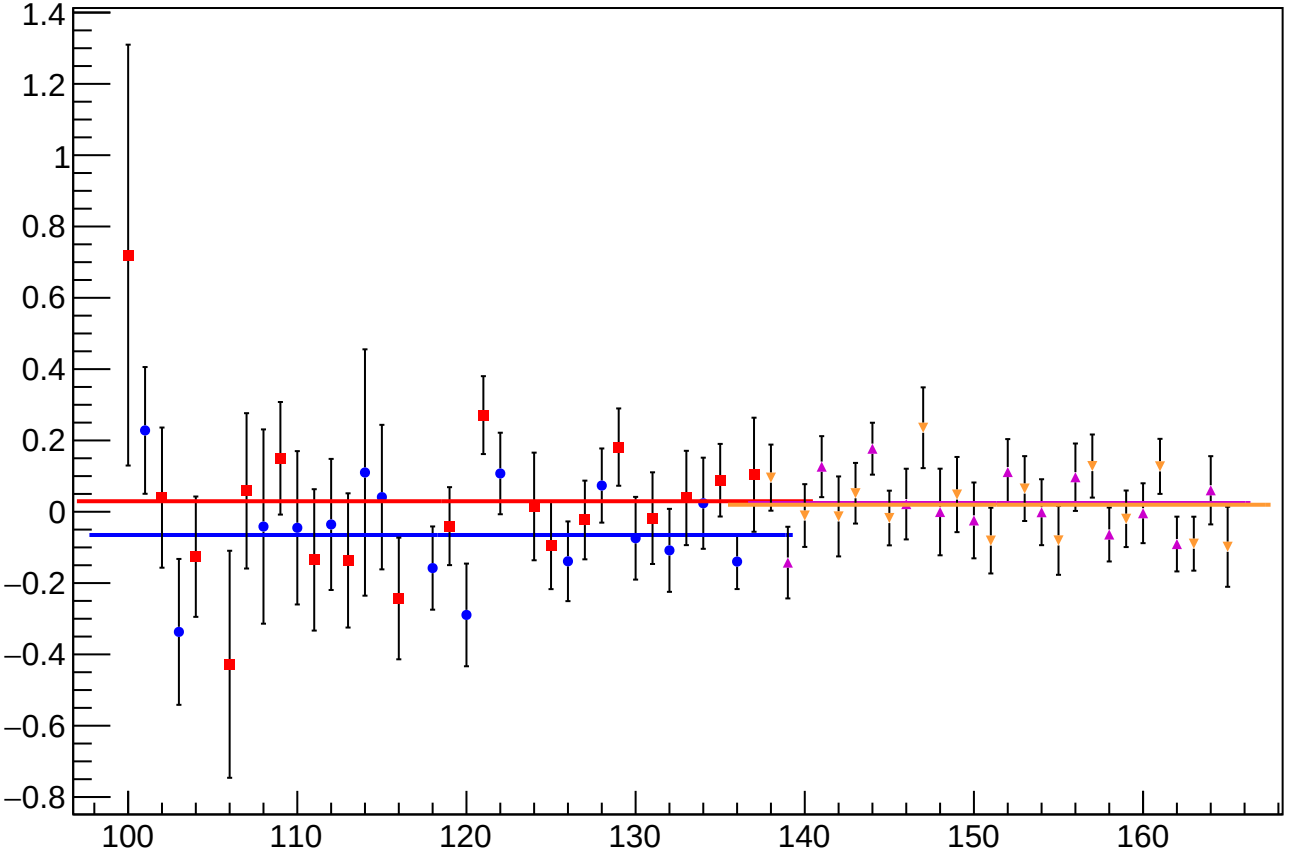
Left In: 0.000+/-0.000 χ^2/NDF:1191134.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 3884873.3/30

All: 0.000+/-0.000 χ^2/NDF: 8251125.9/62

- sign 0.000+/-0.000 χ^2/NDF: 4364357.4/31

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: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

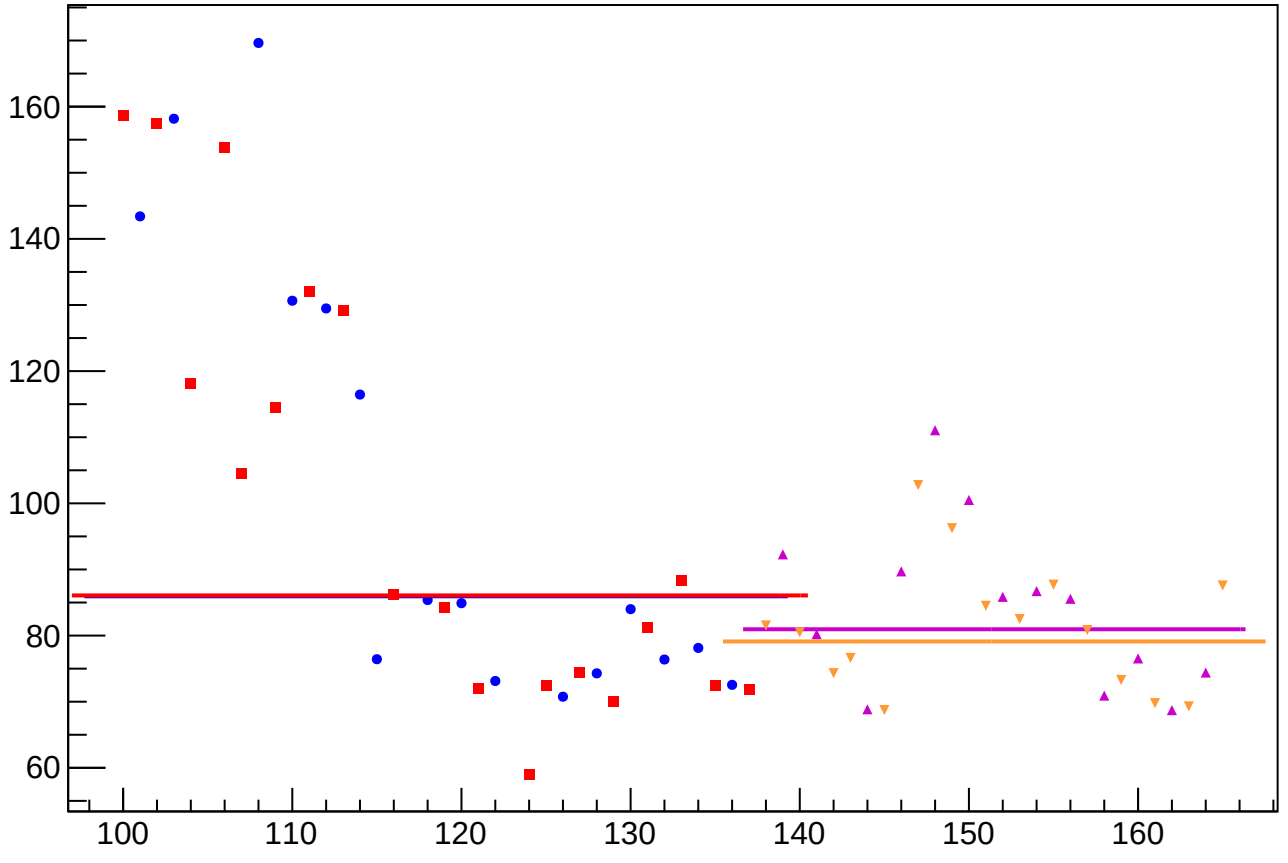
Left In: 0.025+/-0.025 χ^2/NDF:14.2/12

+ sign -0.008+/-0.019 χ^2/NDF: 32.9/30

All: 0.008+/-0.014 χ^2/NDF: 66.8/62

- sign 0.026+/-0.020 χ^2/NDF: 32.3/31

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 79.114+/-0.016 χ^2/NDF:295138.9/14

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

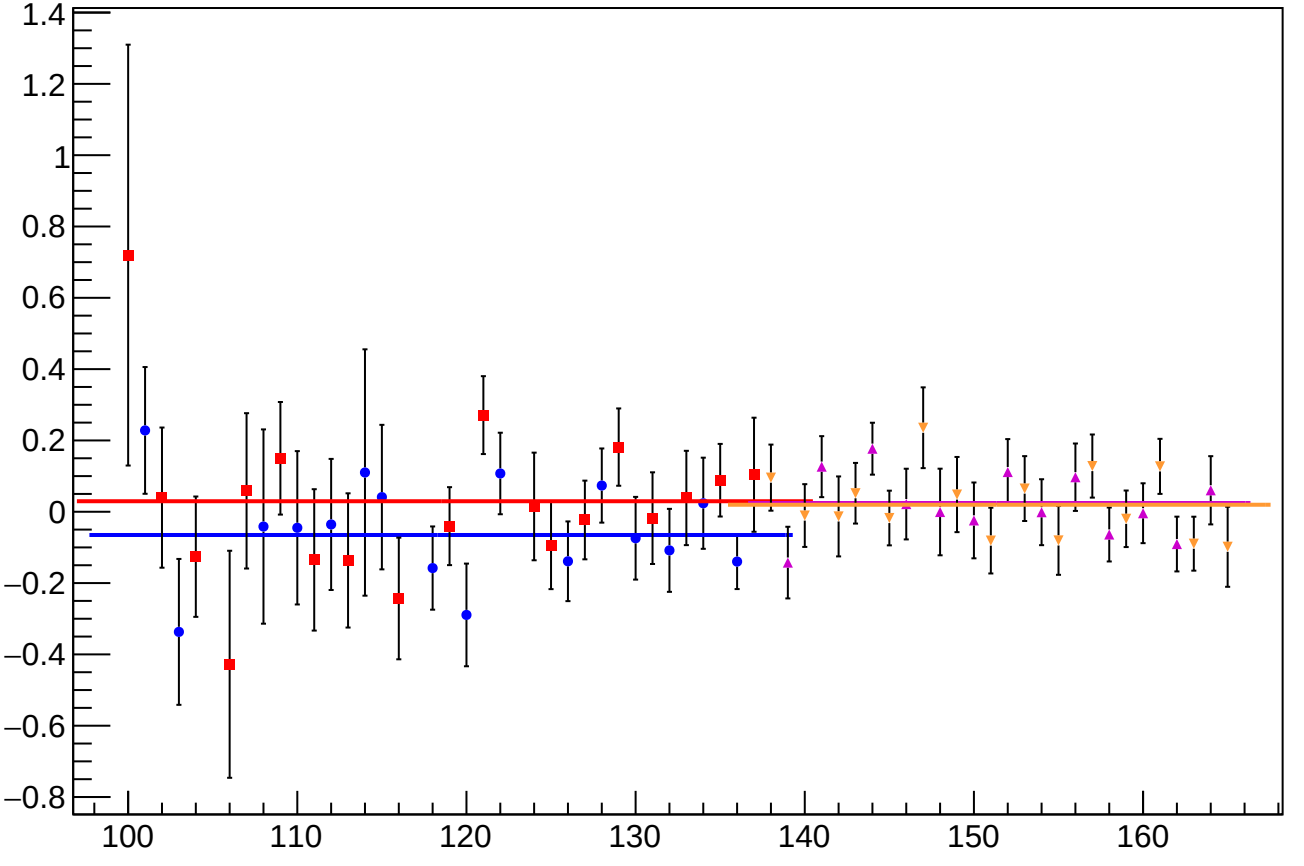
Left In: 80.956+/-0.018 χ^2/NDF:405889.5/12

+ sign 81.347+/-0.013 χ^2/NDF: 1386776.8/30

All: 82.048+/-0.010 χ^2/NDF: 2820431.4/62

- sign 82.807+/-0.014 χ^2/NDF: 1428013.3/31

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: 0.020+/-0.023 χ^2/NDF:14.4/14

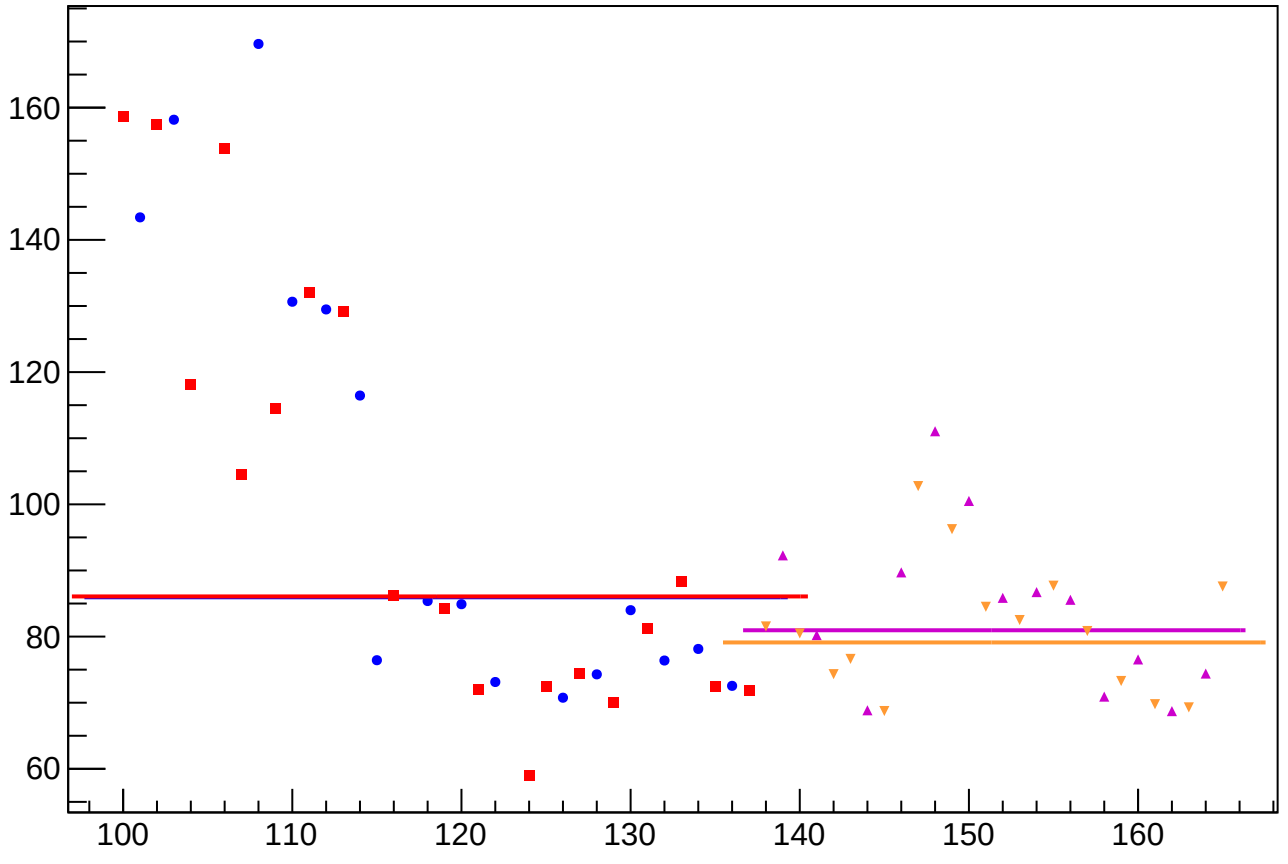
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.025+/-0.025 χ^2/NDF:14.2/12

+ sign -0.008+/-0.019 χ^2/NDF: 32.9/30

All: 0.008+/-0.014 χ^2/NDF: 66.8/62

- sign 0.026+/-0.020 χ^2/NDF: 32.3/31



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 79.114+/-0.016 χ^2/NDF:295138.9/14

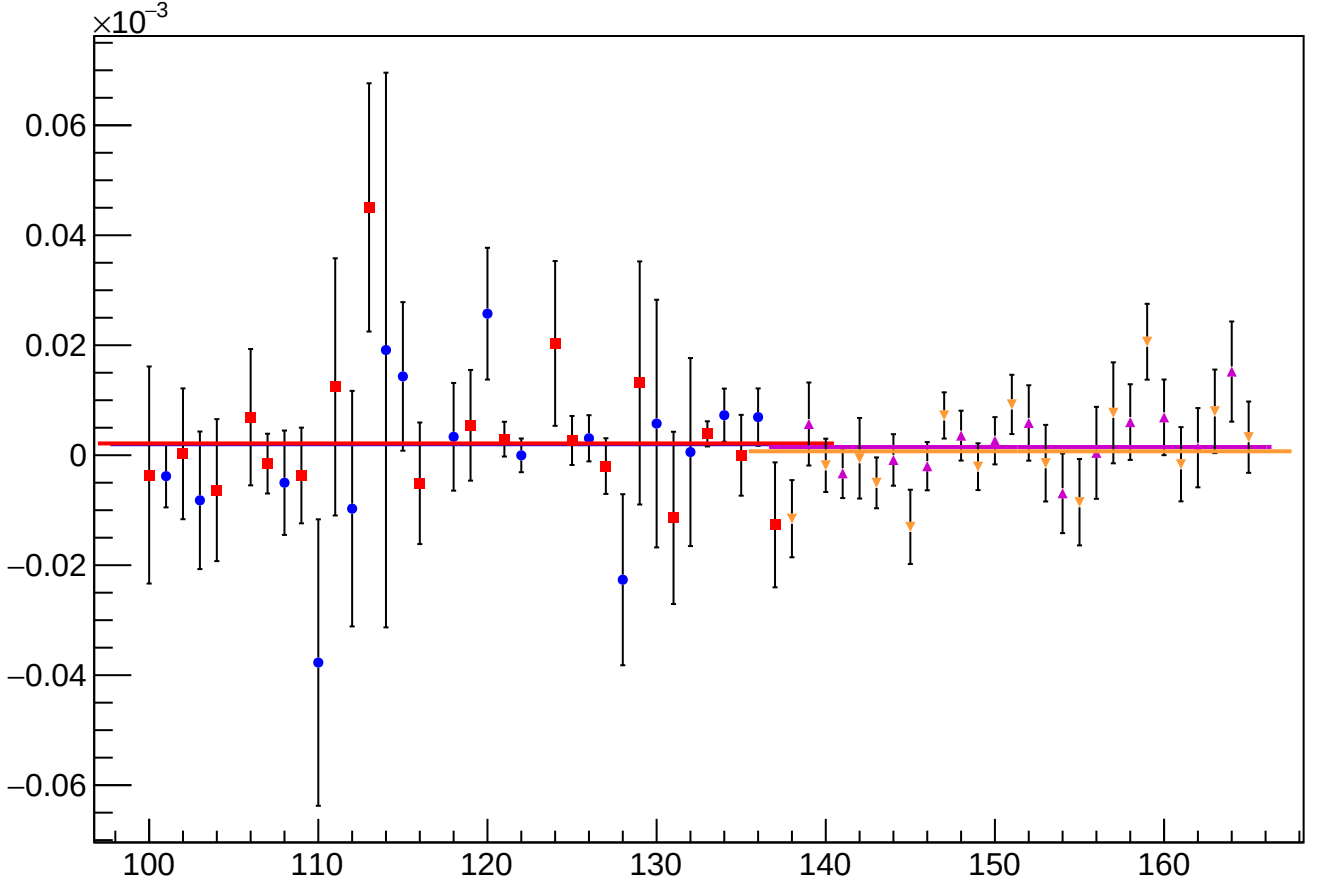
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.956+/-0.018 χ^2/NDF:405889.5/12

+ sign 81.347+/-0.013 χ^2/NDF: 1386776.8/30

All: 82.048+/-0.010 χ^2/NDF: 2820431.4/62

- sign 82.807+/-0.014 χ^2/NDF: 1428013.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/14

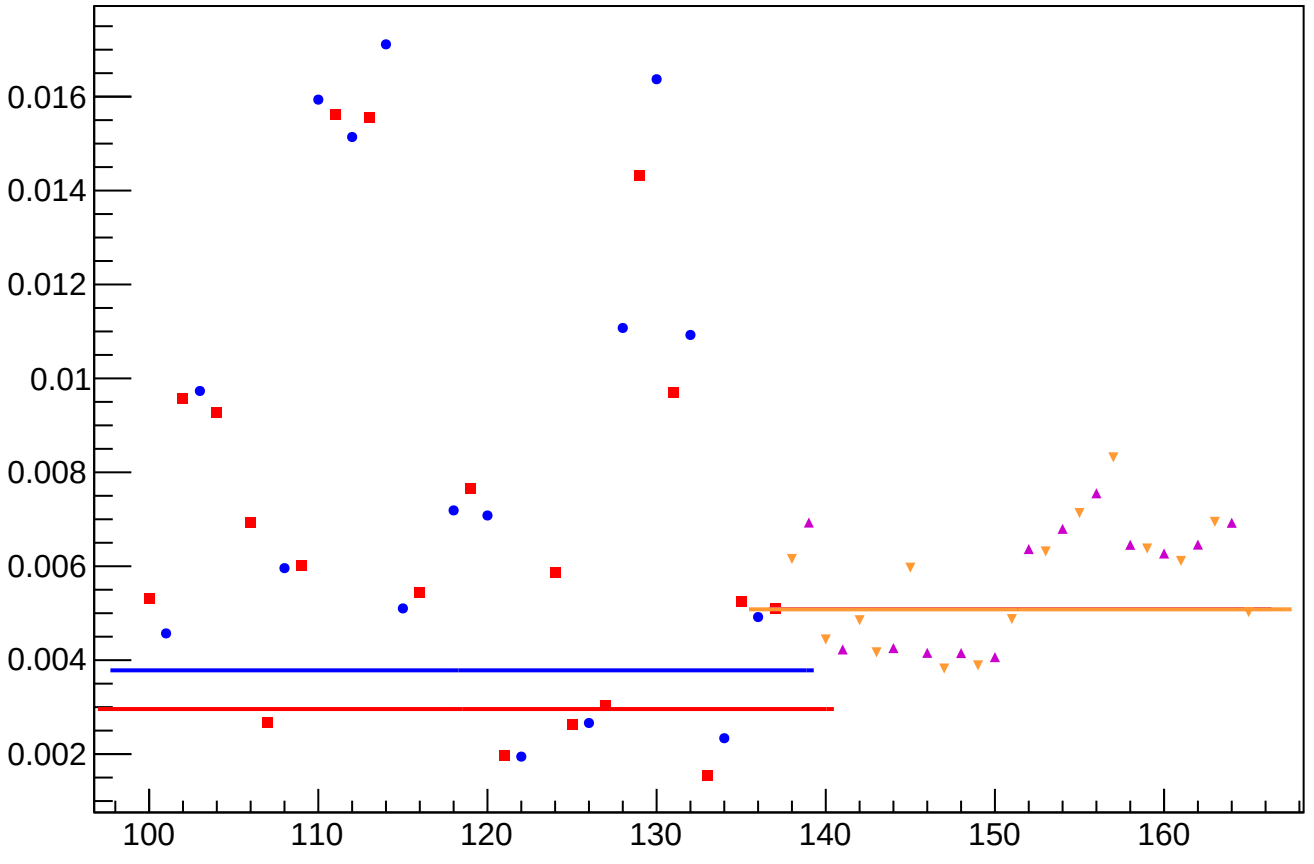
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/30

All: 0.000+/-0.000 χ^2/NDF: 60.6/62

- sign 0.000+/-0.000 χ^2/NDF: 19.3/31



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1221919.1/14

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

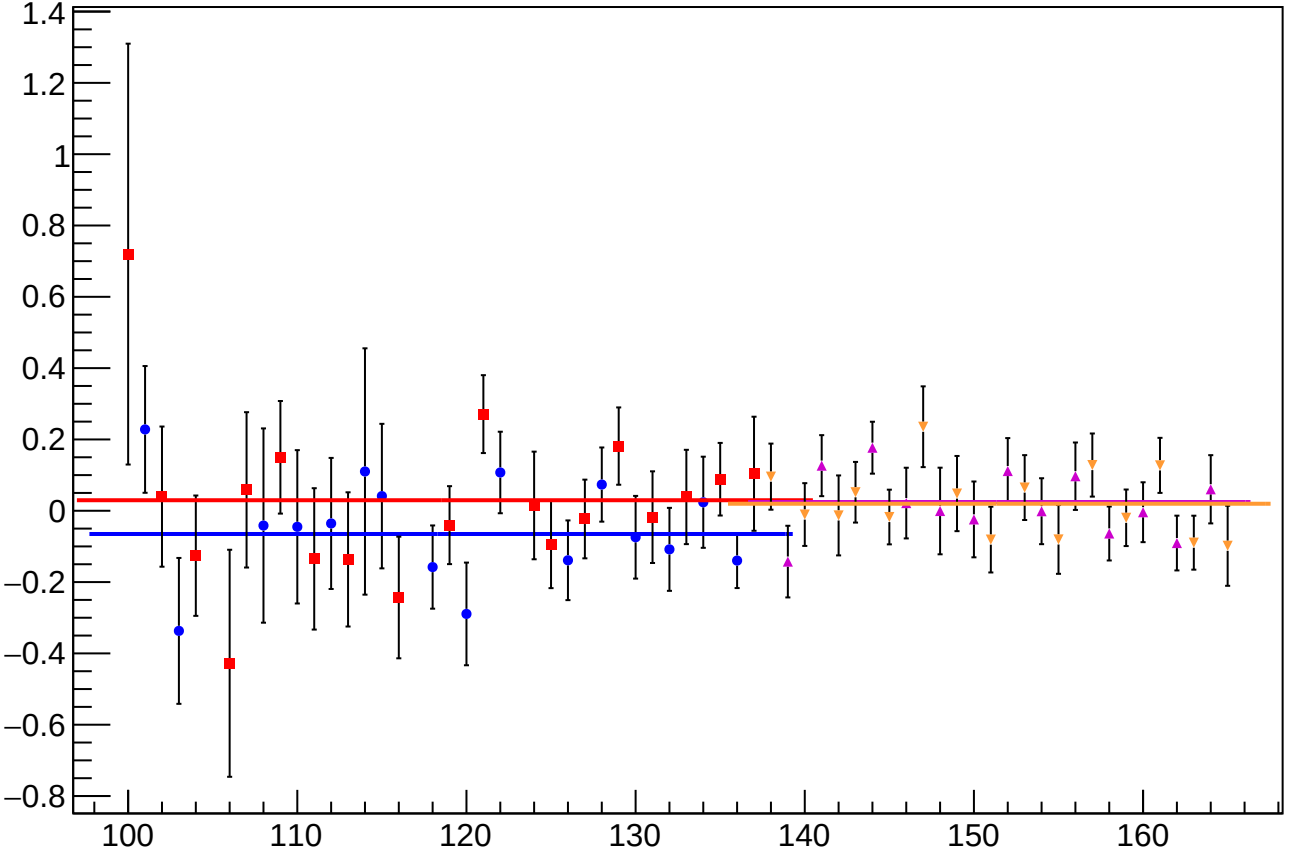
Left In: 0.005+/-0.000 χ^2/NDF:1190893.1/12

+ sign 0.005+/-0.000 χ^2/NDF: 6543665.8/30

All: 0.004+/-0.000 χ^2/NDF: 15626915.7/62

- sign 0.004+/-0.000 χ^2/NDF: 8756816.2/31

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: 0.020+/-0.023 χ^2/NDF:14.4/14

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

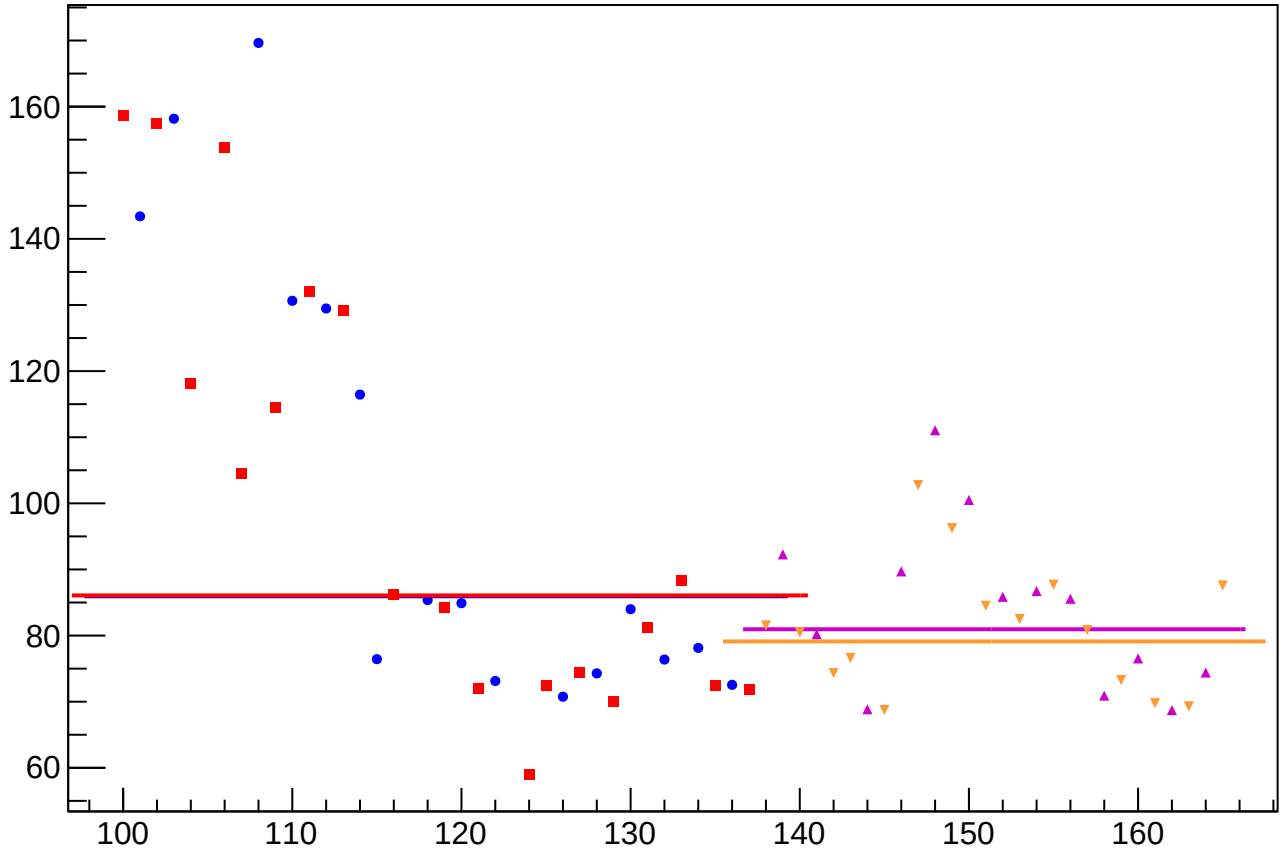
Left In: 0.025+/-0.025 χ^2/NDF:14.2/12

+ sign -0.008+/-0.019 χ^2/NDF: 32.9/30

All: 0.008+/-0.014 χ^2/NDF: 66.8/62

- sign 0.026+/-0.020 χ^2/NDF: 32.3/31

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 79.113+/-0.016 χ^2/NDF:295174.1/14

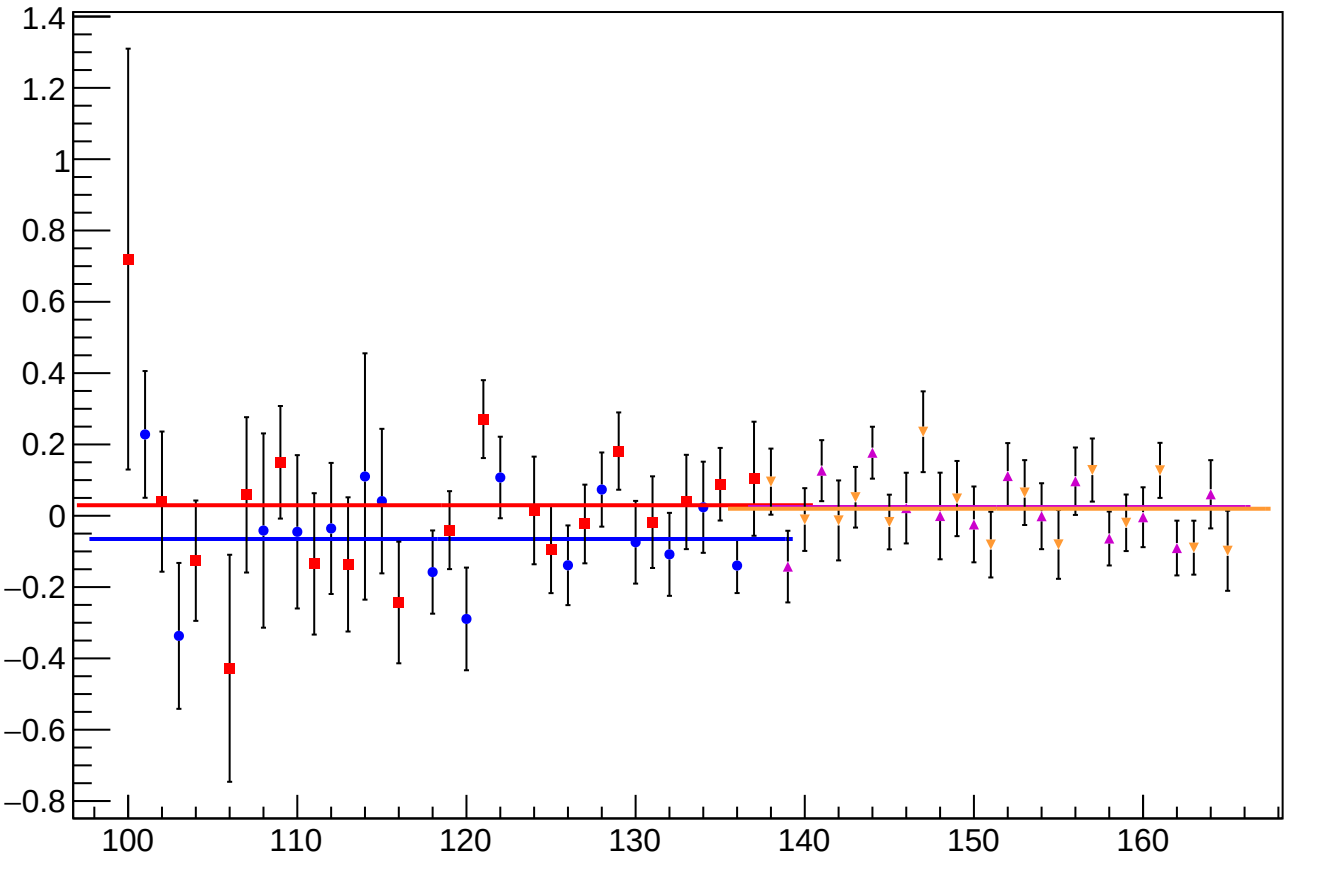
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.956+/-0.018 χ^2/NDF:405920.8/12

+ sign 81.346+/-0.013 χ^2/NDF: 1386761.9/30

All: 82.047+/-0.010 χ^2/NDF: 2820423.6/62

- sign 82.806+/-0.014 χ^2/NDF: 1428021.3/31



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.023 χ^2/NDF:14.4/14

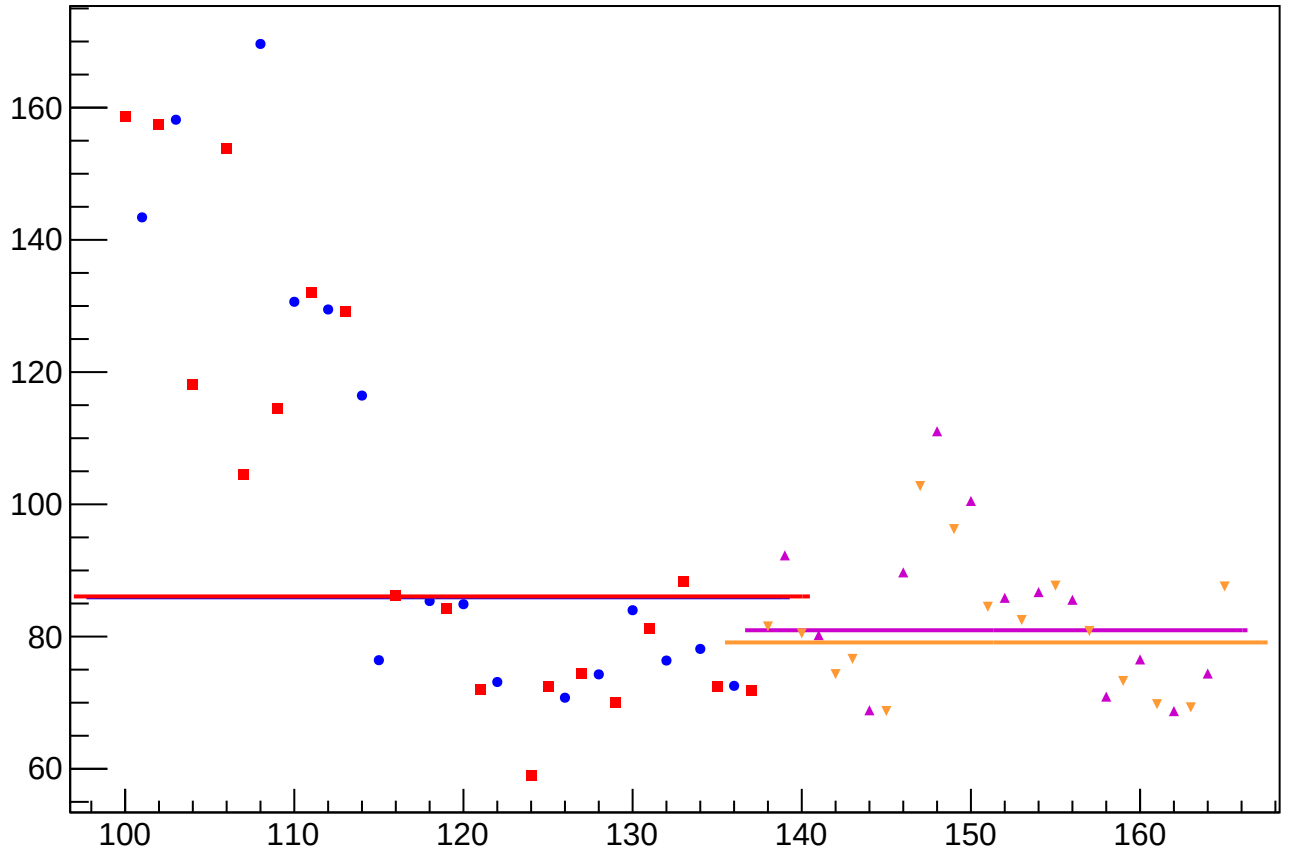
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.025+/-0.025 χ^2/NDF:14.2/12

+ sign -0.008+/-0.019 χ^2/NDF: 32.9/30

All: 0.008+/-0.014 χ^2/NDF: 66.8/62

- sign 0.026+/-0.020 χ^2/NDF: 32.3/31



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 79.113+/-0.016 χ^2/NDF:295174.1/14

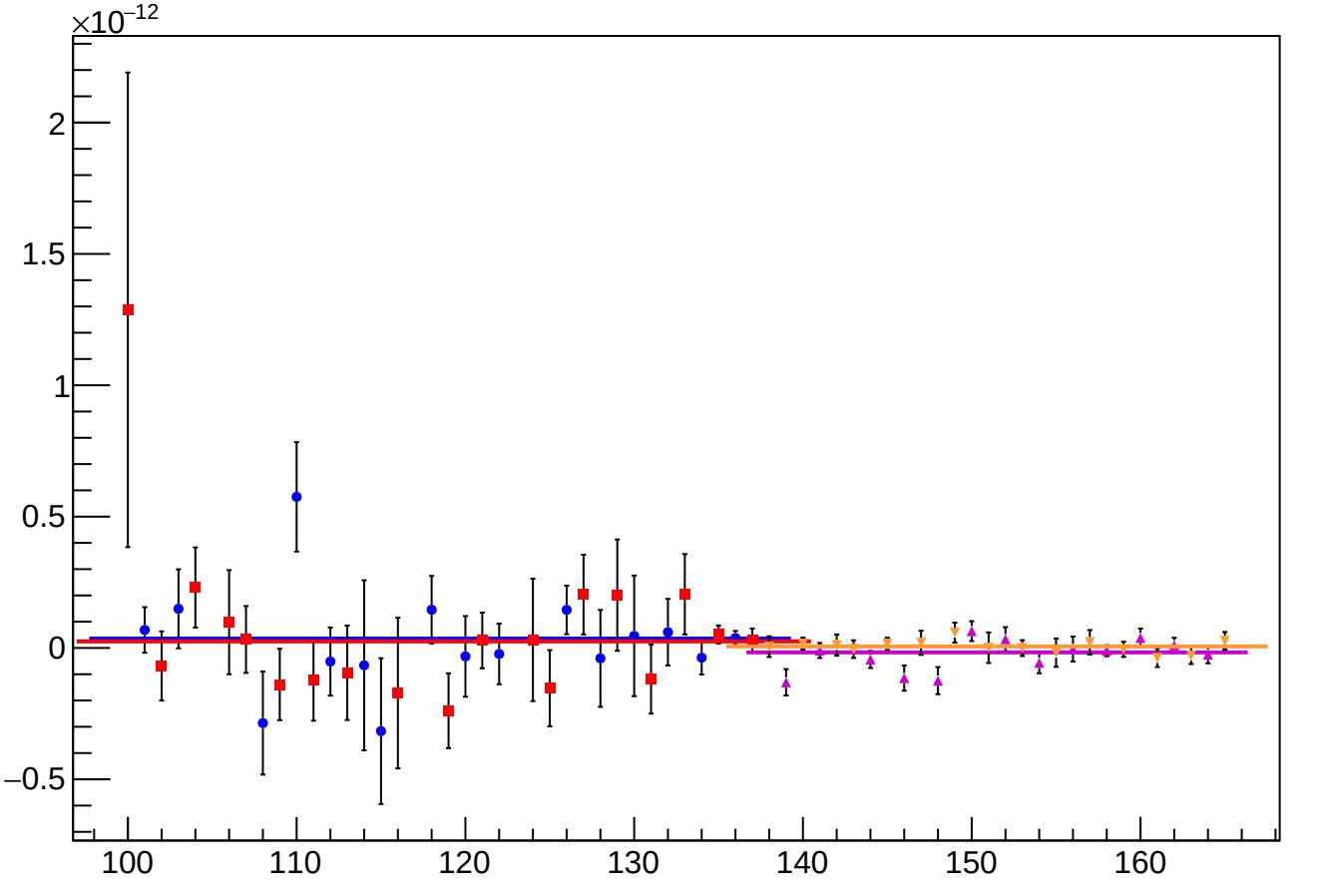
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.956+/-0.018 χ^2/NDF:405920.8/12

+ sign 81.346+/-0.013 χ^2/NDF: 1386761.9/30

All: 82.047+/-0.010 χ^2/NDF: 2820423.6/62

- sign 82.806+/-0.014 χ^2/NDF: 1428021.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/14

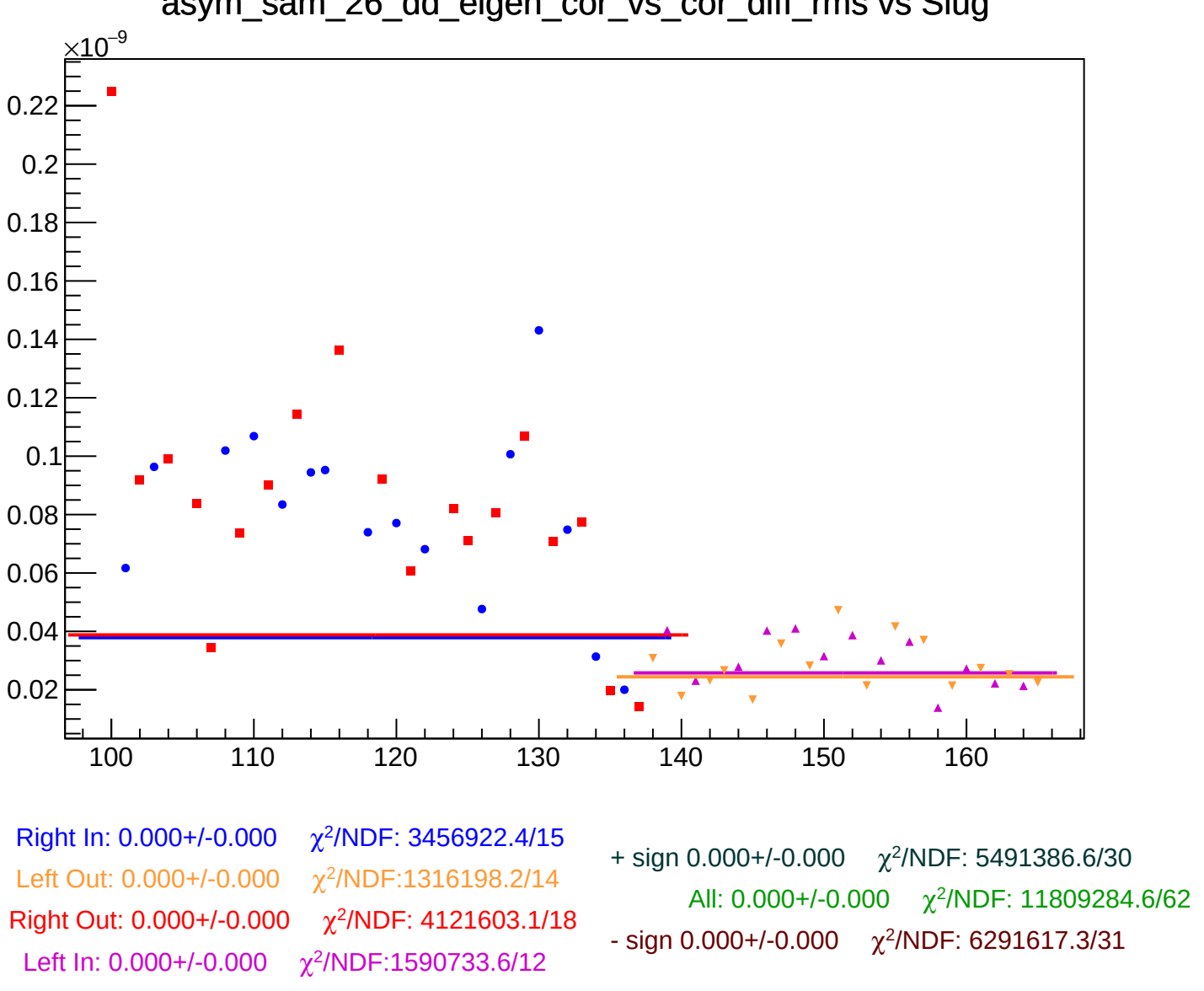
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:24.6/12

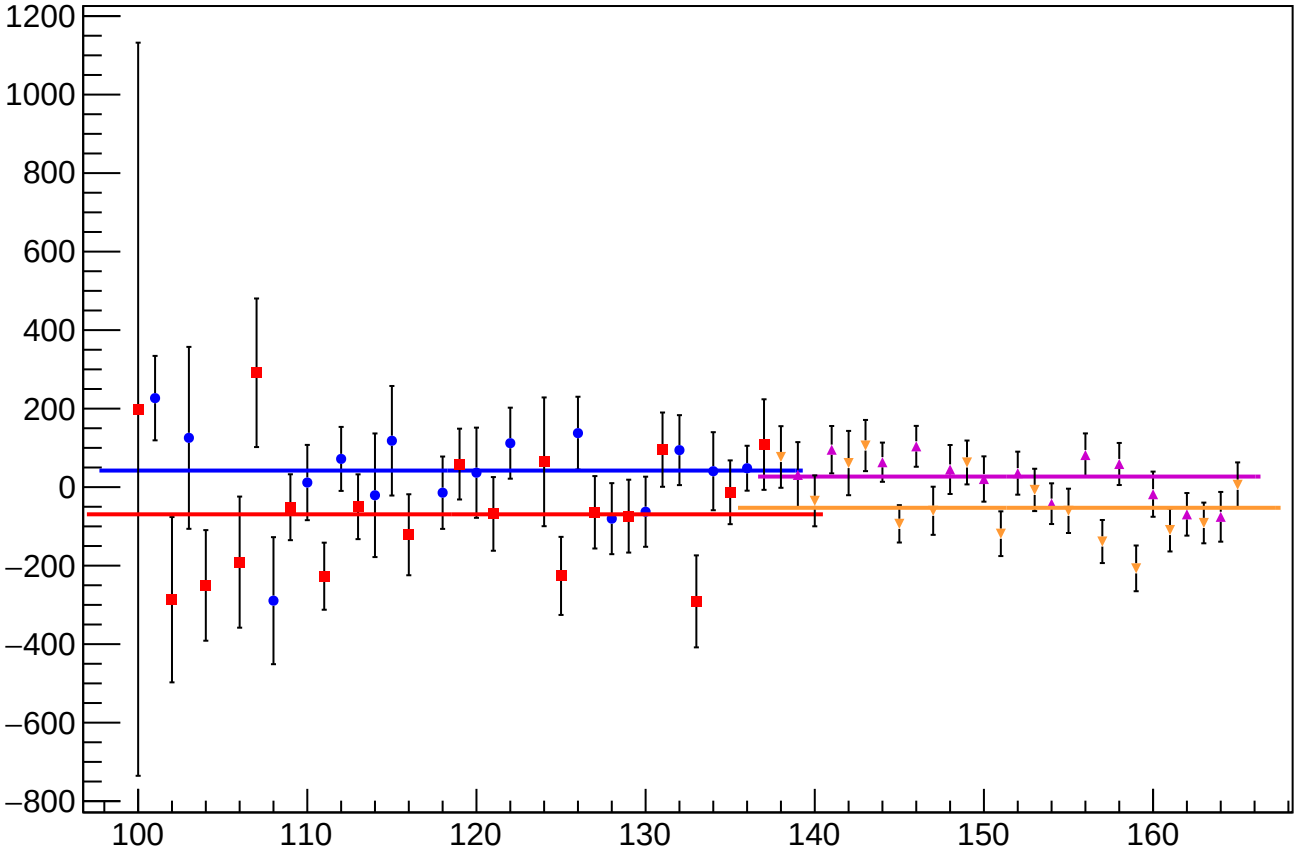
+ sign 0.000+/-0.000 χ^2/NDF: 24.3/30

All: 0.000+/-0.000 χ^2/NDF: 72.7/62

- sign -0.000+/-0.000 χ^2/NDF: 45.5/31


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1316198.2/14
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:1590733.6/12
+ sign 0.000+/-0.000 χ²/NDF: 5491386.6/30
All: 0.000+/-0.000 χ²/NDF: 11809284.6/62
- sign 0.000+/-0.000 χ²/NDF: 6291617.3/31

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -52.654+/-15.041 χ^2/NDF:29.9/14

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

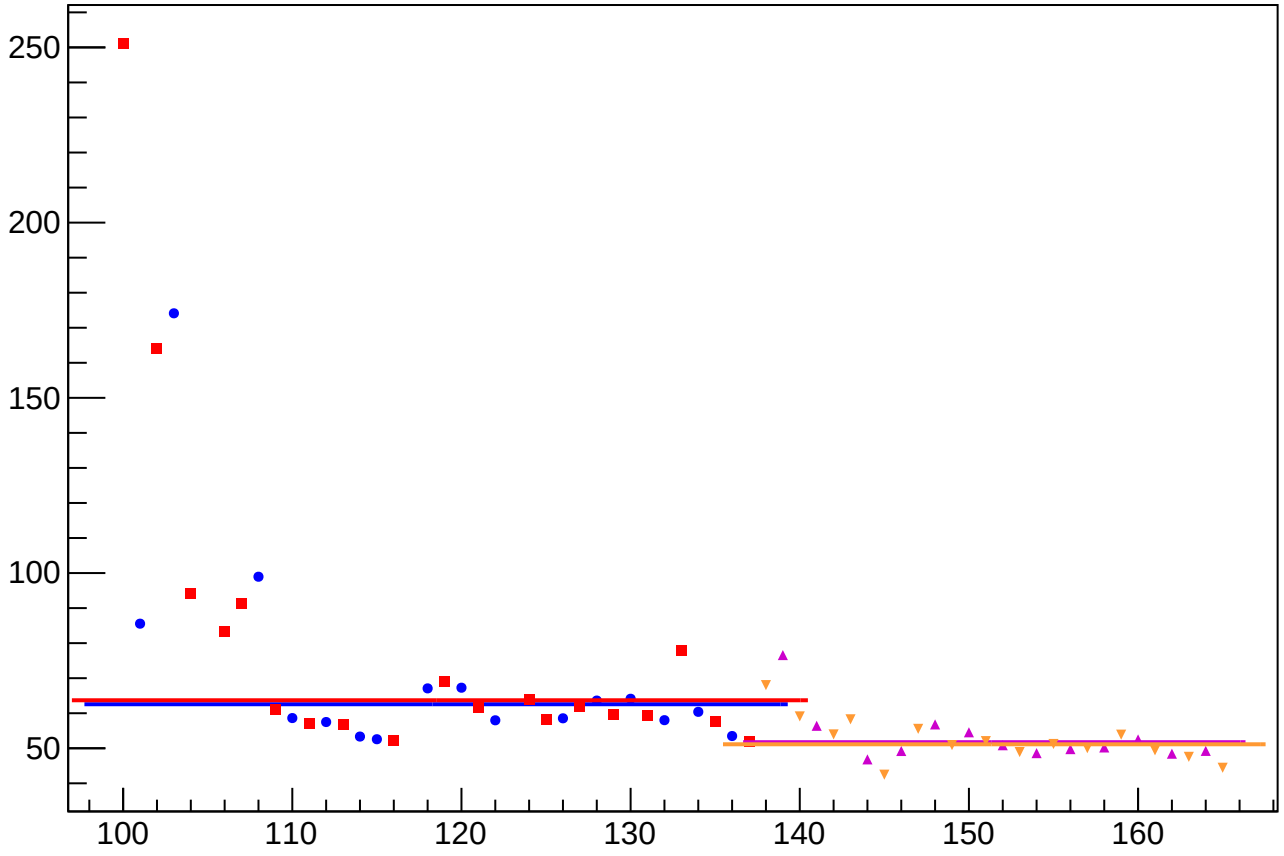
Left In: 26.902+/-15.777 χ^2/NDF:13.6/12

\+ sign -26.227+/-12.776 χ^2/NDF: 54.5/30

All: -14.275+/-9.197 χ^2/NDF: 106.3/62

\- sign -1.415+/-13.251 χ^2/NDF: 49.9/31

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 51.139+/-0.011 χ^2/NDF:273987.3/14

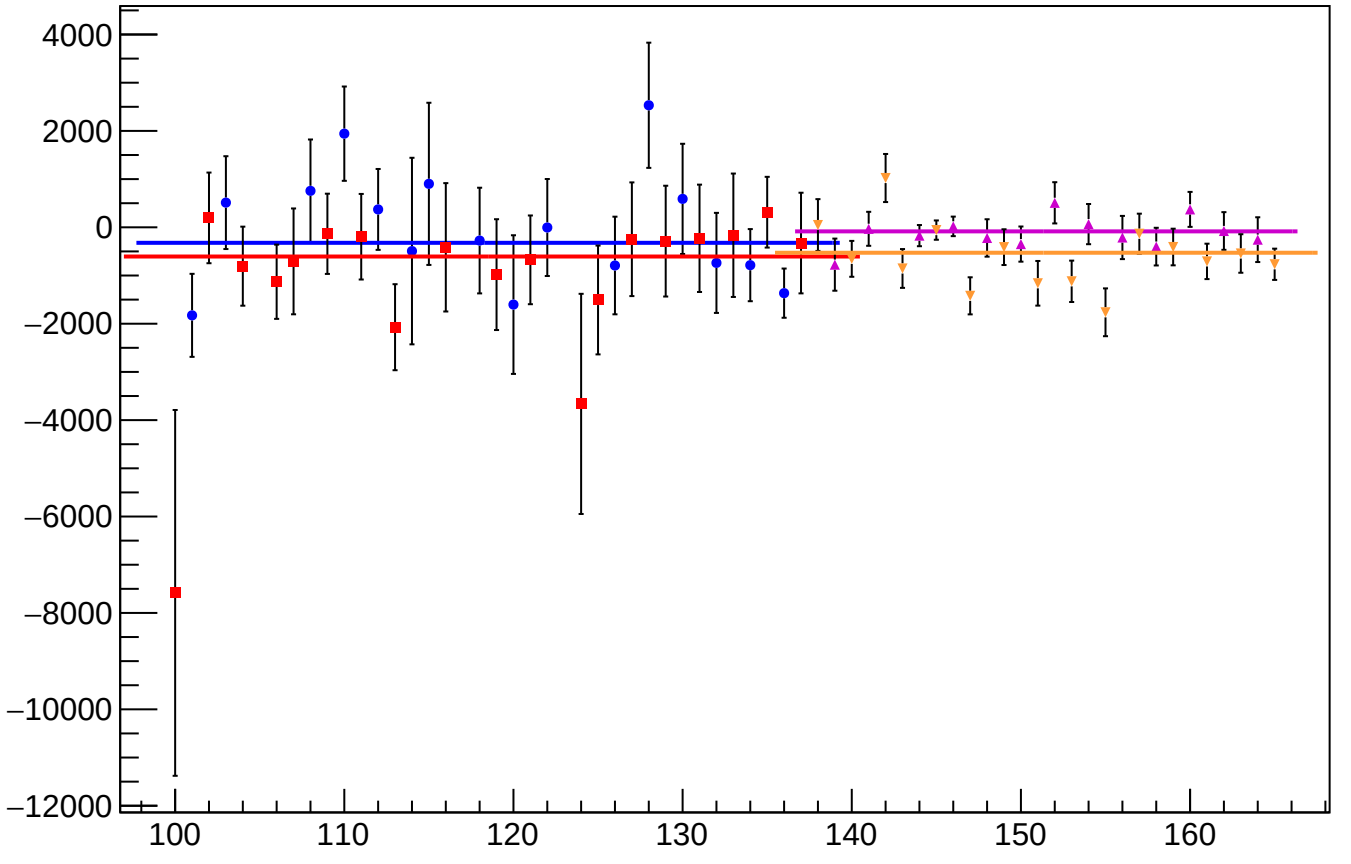
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

+ sign 54.322+/-0.009 χ^2/NDF: 1354097.2/30

All: 54.773+/-0.007 χ^2/NDF: 2786046.6/62

- sign 55.259+/-0.009 χ^2/NDF: 1426766.5/31



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -527.565+/-95.410 χ^2/NDF:34.3/14

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

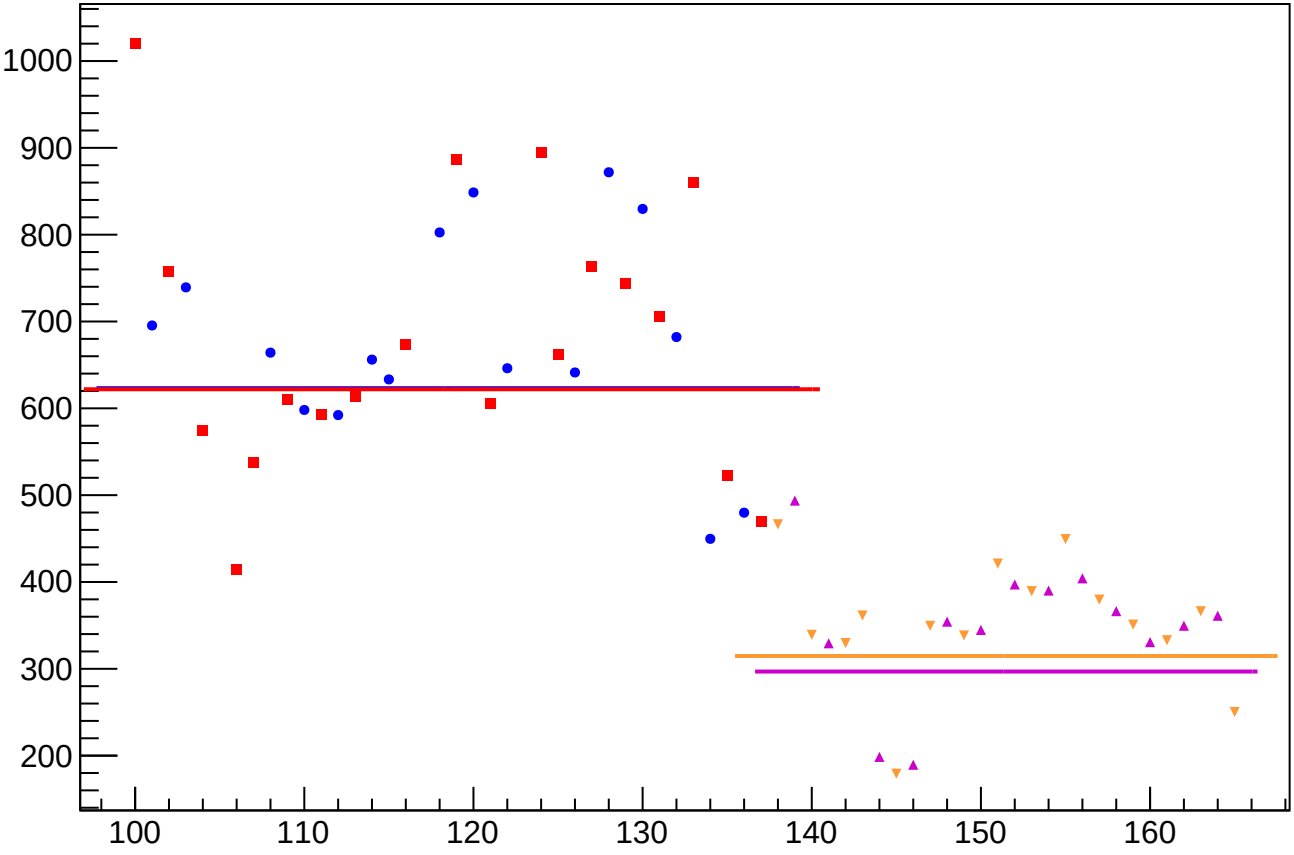
Left In: -84.257+/-94.385 χ^2/NDF:7.2/12

+ sign -499.156+/-88.584 χ^2/NDF: 57.7/30

All: -326.220+/-62.256 χ^2/NDF: 89.2/62

- sign -157.437+/-87.514 χ^2/NDF: 24.0/31

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 314.727+/-0.067 χ^2/NDF:1634020.5/14

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

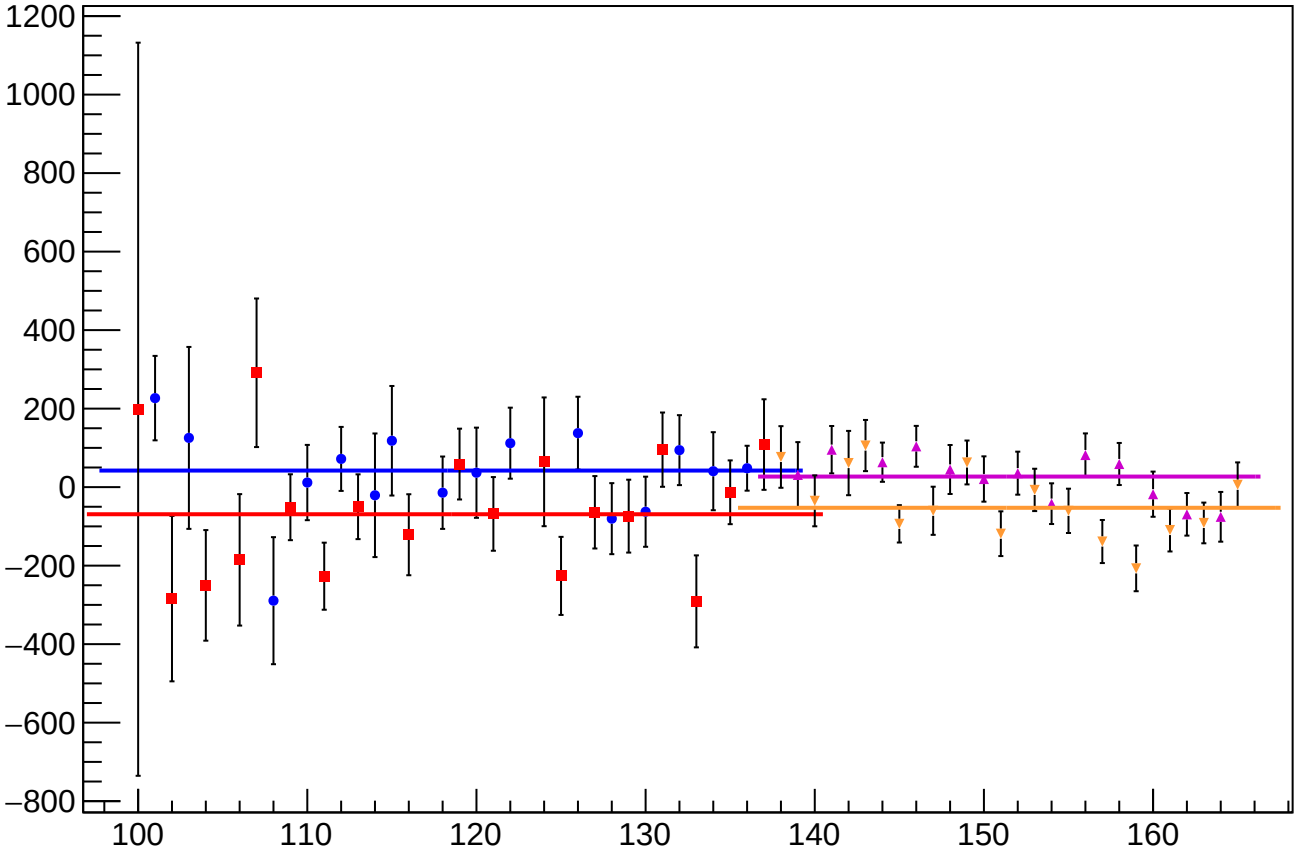
Left In: 296.858+/-0.067 χ^2/NDF:1803127.2/12

+ sign 357.285+/-0.063 χ^2/NDF: 5083706.5/30

All: 349.788+/-0.044 χ^2/NDF: 10827019.8/62

- sign 342.471+/-0.062 χ^2/NDF: 5715005.6/31

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -52.651+/-15.041 χ^2/NDF:29.9/14

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

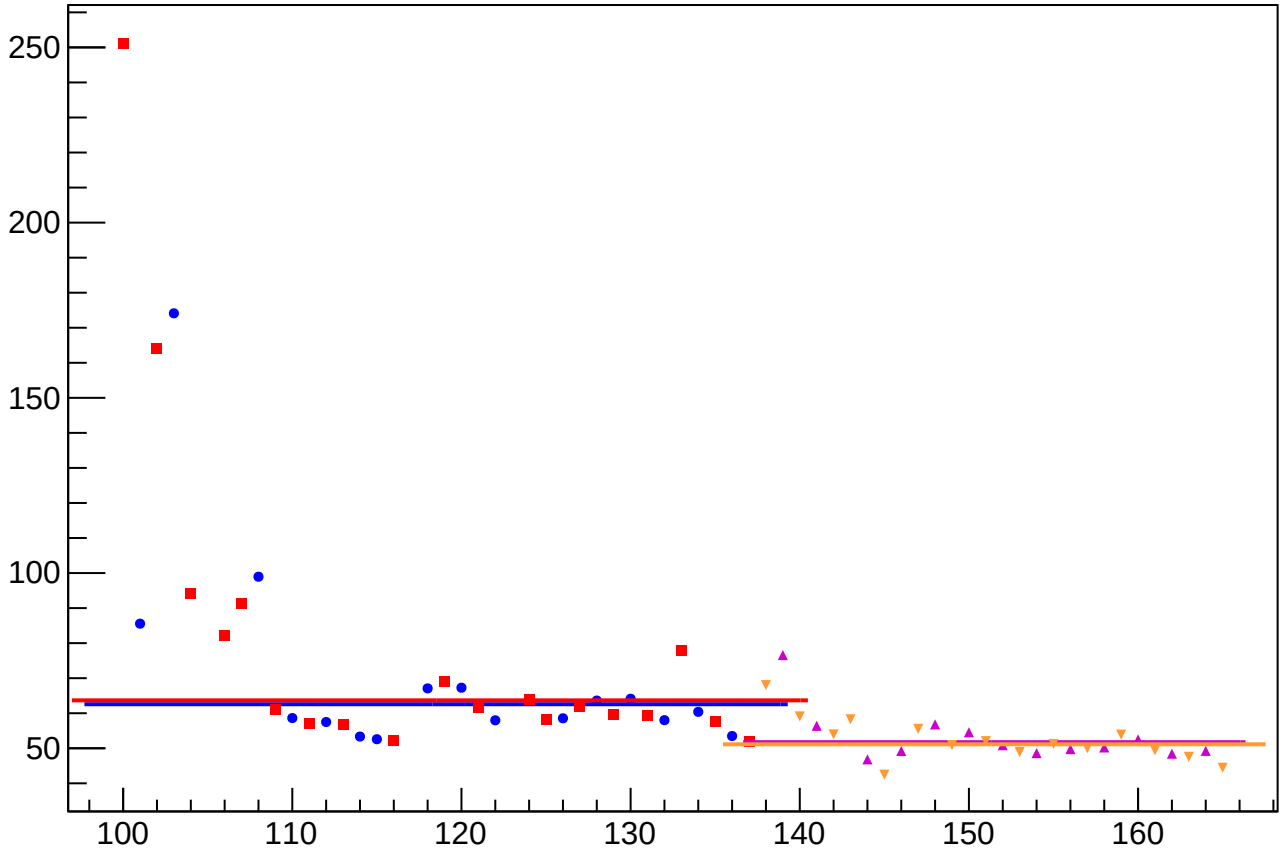
Left In: 26.901+/-15.777 χ^2/NDF:13.6/12

+ sign -26.227+/-12.776 χ^2/NDF: 54.5/30

All: -14.248+/-9.197 χ^2/NDF: 106.2/62

- sign -1.360+/-13.252 χ^2/NDF: 49.8/31

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.139+/-0.011 χ^2/NDF:273987.3/14

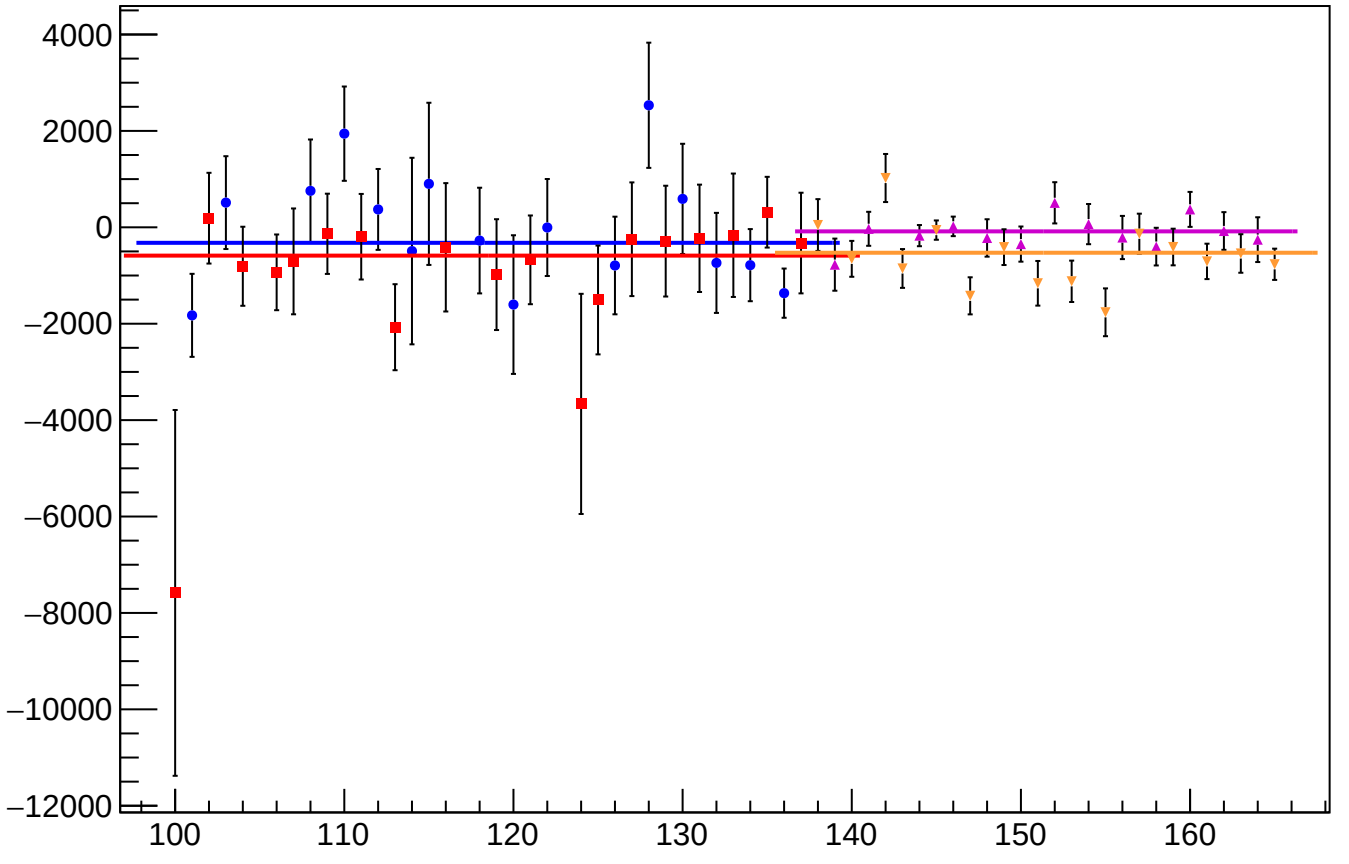
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

+ sign 54.322+/-0.009 χ^2/NDF: 1354099.1/30

All: 54.770+/-0.007 χ^2/NDF: 2781824.7/62

- sign 55.251+/-0.009 χ^2/NDF: 1422624.5/31



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -527.561+/-95.410 χ^2/NDF:34.3/14

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

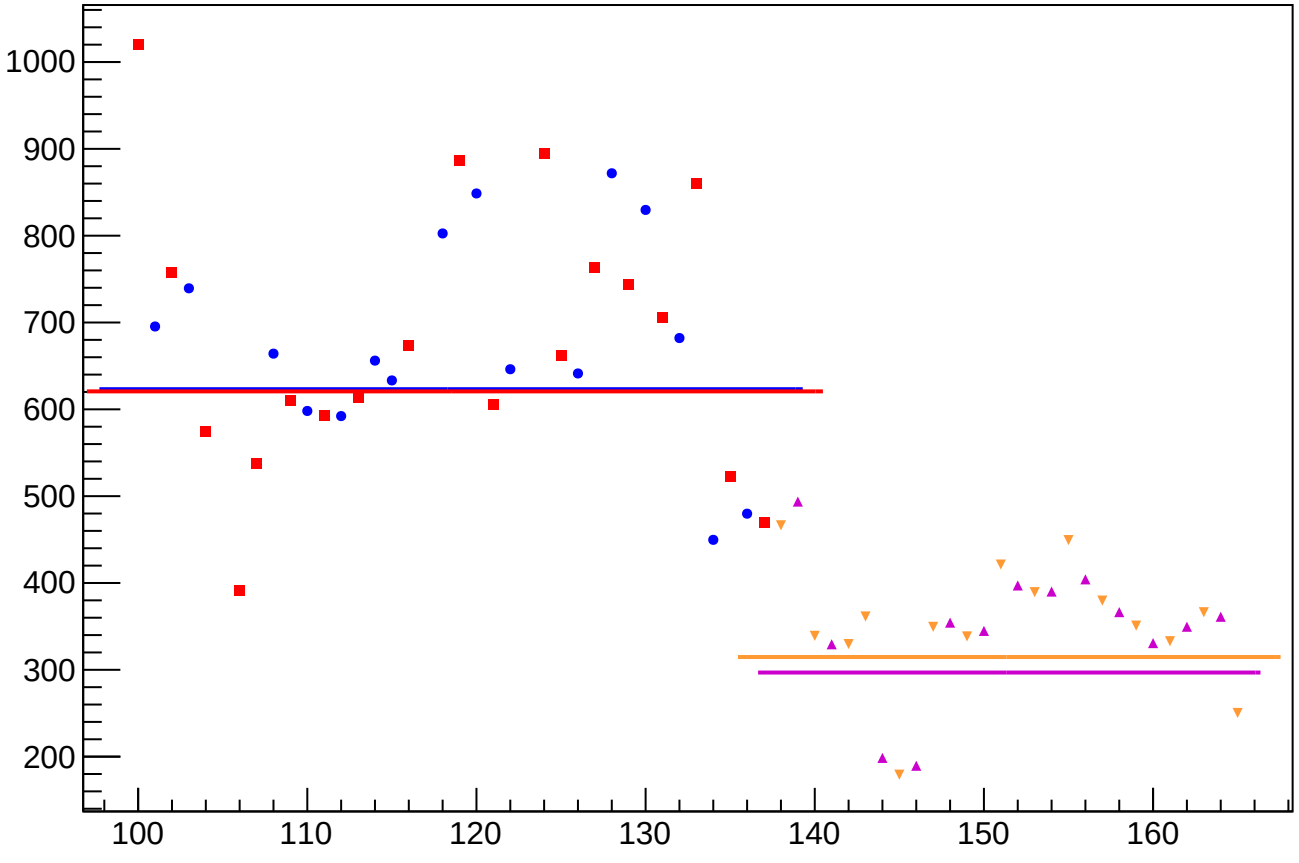
Left In: -84.261+/-94.385 χ^2/NDF:7.2/12

+ sign -499.153+/-88.584 χ^2/NDF: 57.7/30

All: -324.827+/-62.265 χ^2/NDF: 88.7/62

- sign -154.599+/-87.537 χ^2/NDF: 23.4/31

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 314.727+/-0.067 χ^2/NDF:1634027.7/14

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

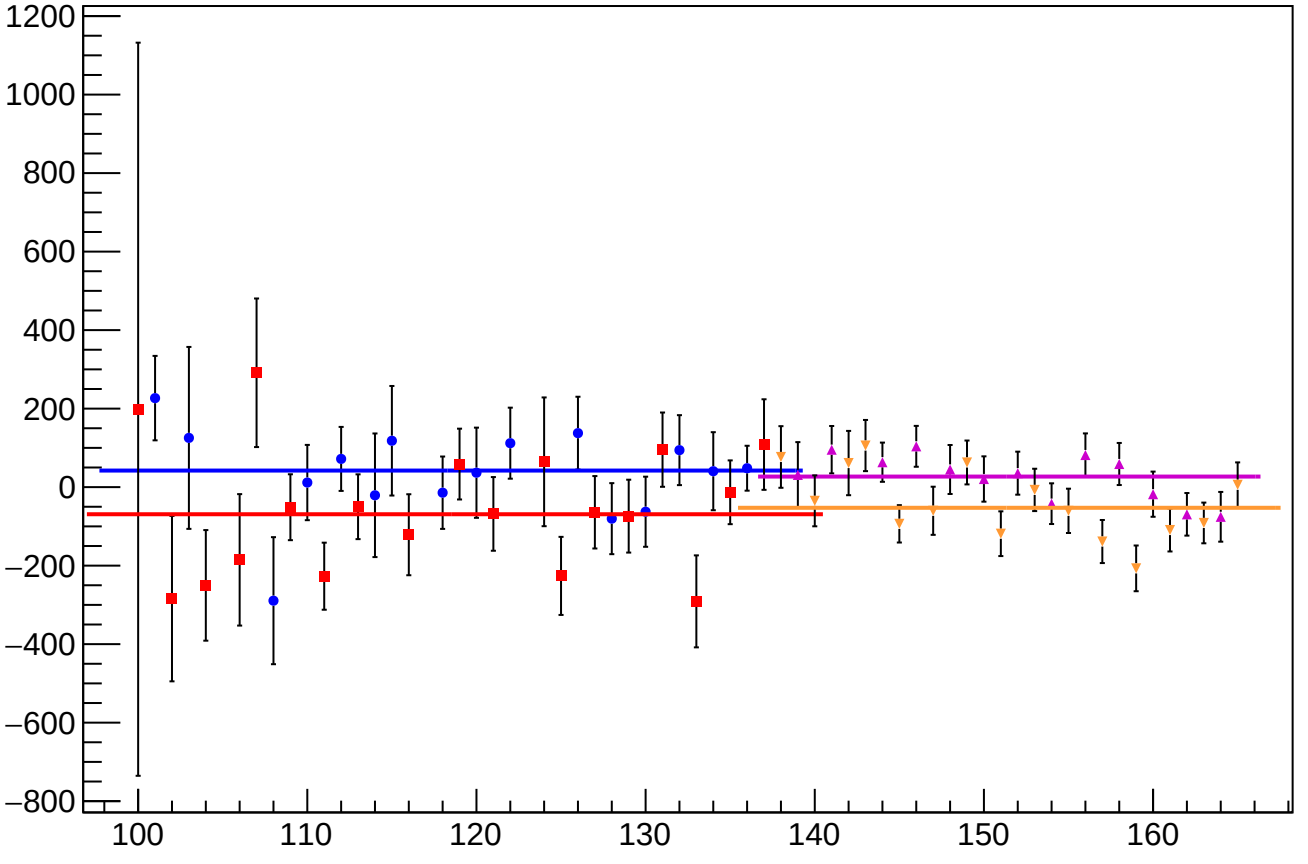
Left In: 296.858+/-0.067 χ^2/NDF:1803133.2/12

+ sign 357.285+/-0.063 χ^2/NDF: 5083774.7/30

All: 349.624+/-0.044 χ^2/NDF: 10819091.0/62

- sign 342.142+/-0.062 χ^2/NDF: 5705747.7/31

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -52.651+/-15.041 χ^2/NDF:29.9/14

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

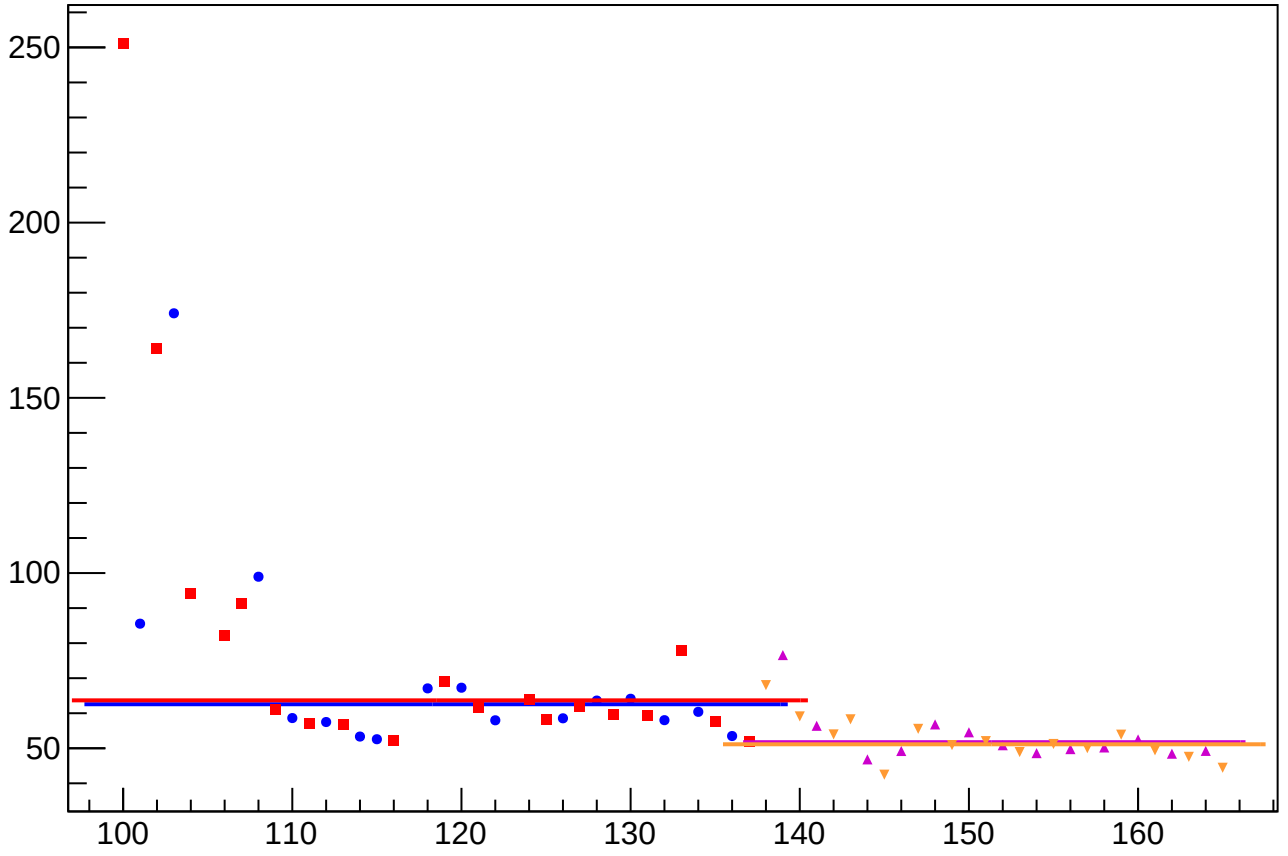
Left In: 26.901+/-15.777 χ^2/NDF:13.6/12

+ sign -26.227+/-12.776 χ^2/NDF: 54.5/30

All: -14.248+/-9.197 χ^2/NDF: 106.2/62

- sign -1.360+/-13.252 χ^2/NDF: 49.8/31

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.139+/-0.011 χ^2/NDF:273987.3/14

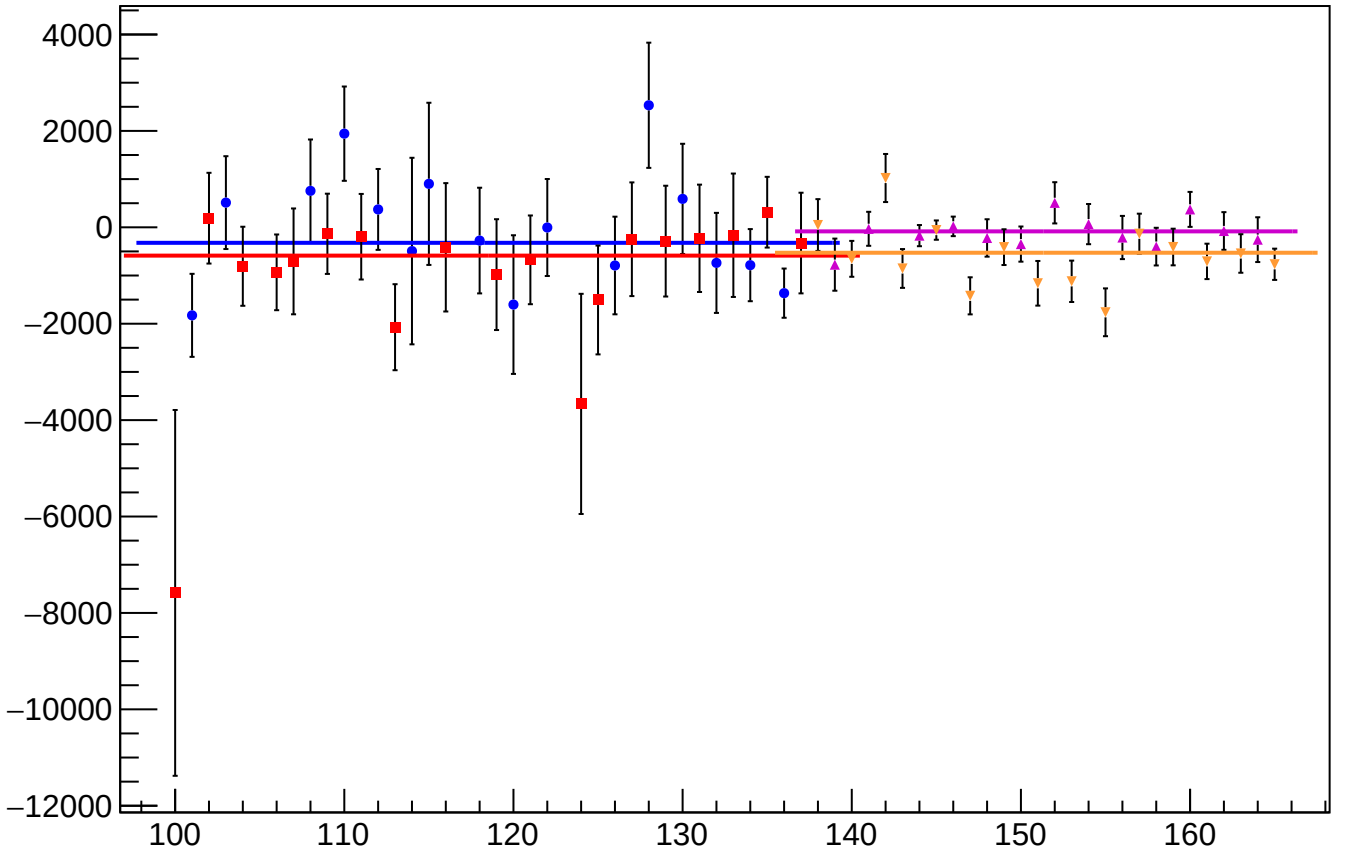
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

+ sign 54.322+/-0.009 χ^2/NDF: 1354099.1/30

All: 54.770+/-0.007 χ^2/NDF: 2781824.7/62

- sign 55.251+/-0.009 χ^2/NDF: 1422624.5/31



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -527.561+/-95.410 χ^2/NDF:34.3/14

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

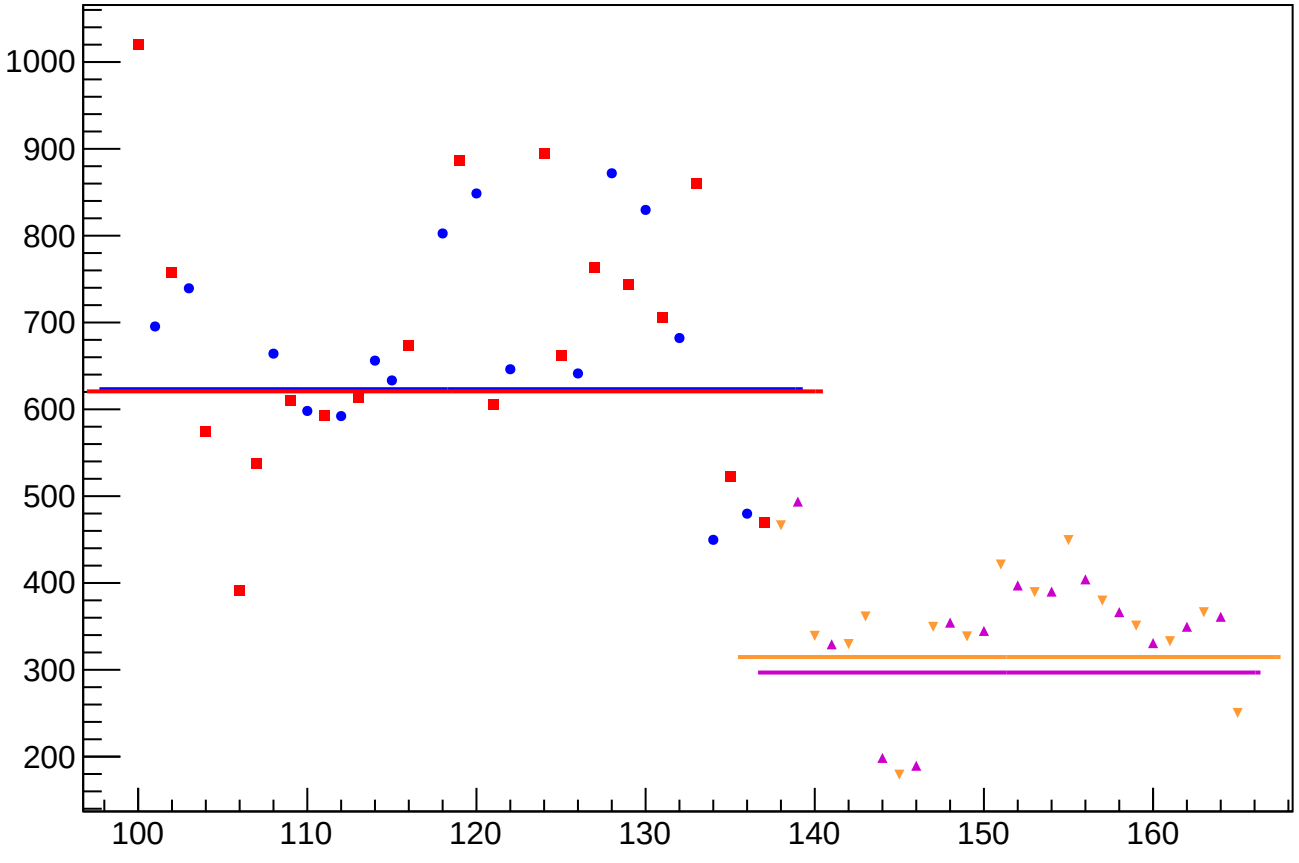
Left In: -84.261+/-94.385 χ^2/NDF:7.2/12

+ sign -499.153+/-88.584 χ^2/NDF: 57.7/30

All: -324.827+/-62.265 χ^2/NDF: 88.7/62

- sign -154.599+/-87.537 χ^2/NDF: 23.4/31

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 314.727+/-0.067 χ^2/NDF:1634027.7/14

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

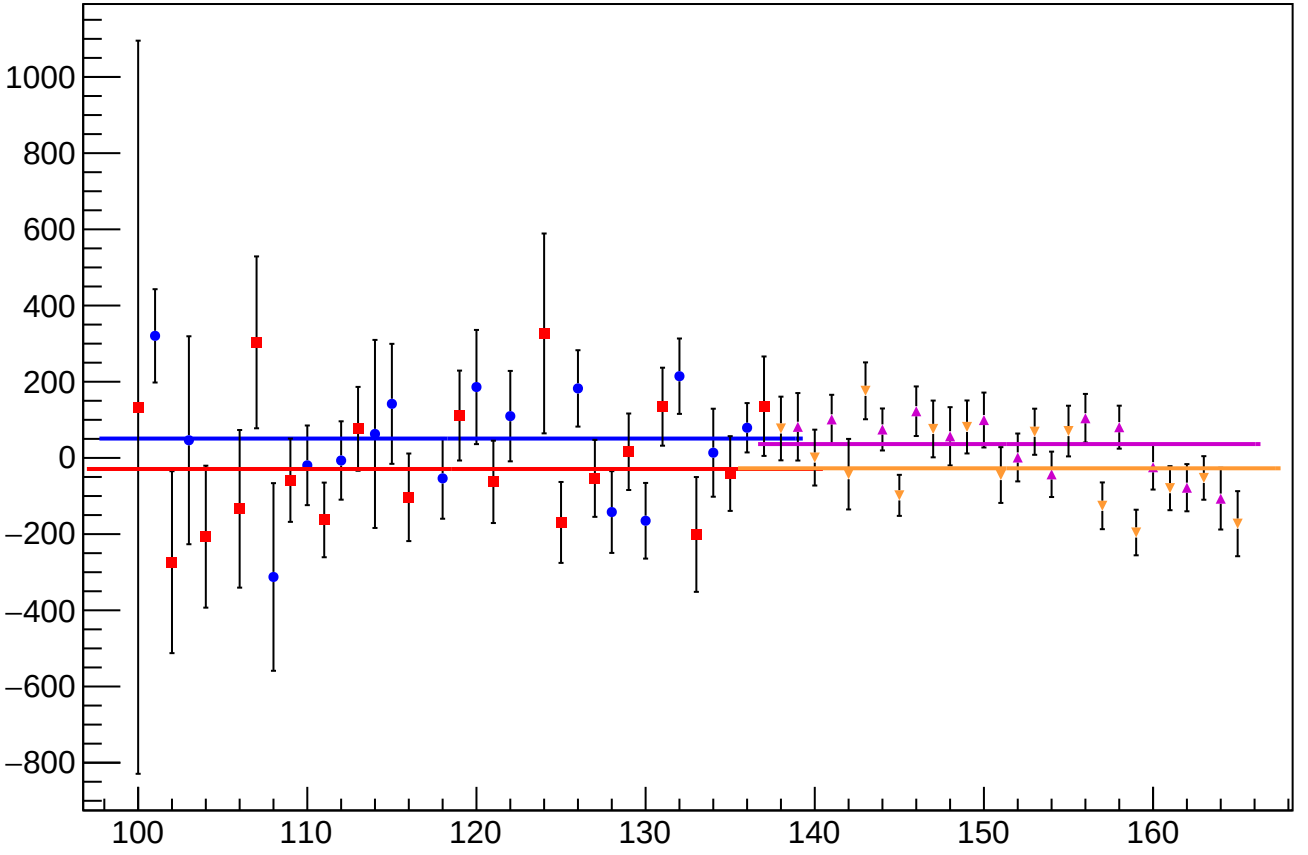
Left In: 296.858+/-0.067 χ^2/NDF:1803133.2/12

+ sign 357.285+/-0.063 χ^2/NDF: 5083774.7/30

All: 349.624+/-0.044 χ^2/NDF: 10819091.0/62

- sign 342.142+/-0.062 χ^2/NDF: 5705747.7/31

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -27.242+/-17.330 χ^2/NDF:34.4/14

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

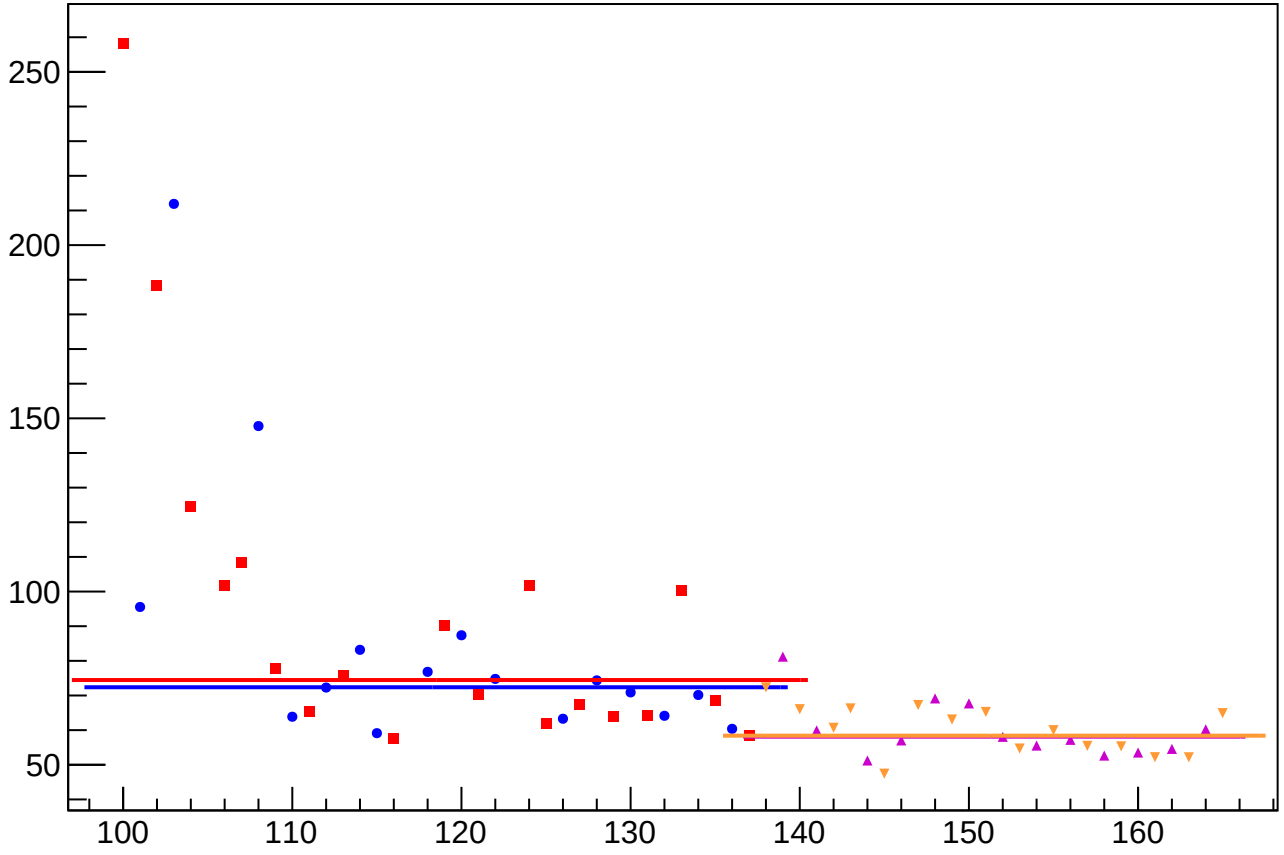
Left In: 36.361+/-17.975 χ^2/NDF:15.8/12

+ sign -5.965+/-14.781 χ^2/NDF: 62.8/30

All: 5.693+/-10.619 χ^2/NDF: 102.1/62

- sign 18.127+/-15.265 χ^2/NDF: 38.0/31

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 58.399+/-0.012 χ^2/NDF:315831.1/14

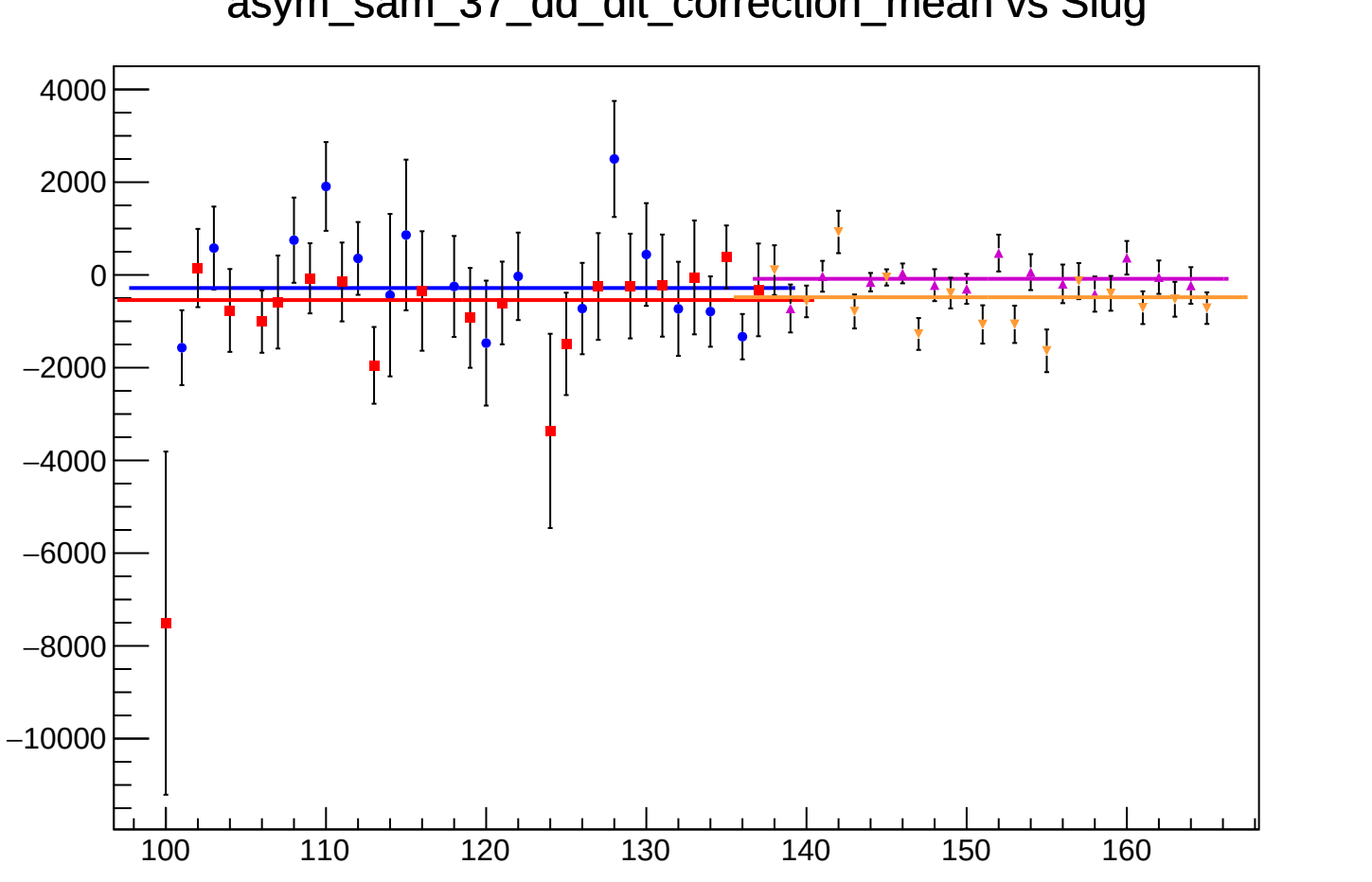
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.115+/-0.013 χ^2/NDF:289370.5/12

+ sign 62.208+/-0.010 χ^2/NDF: 1608603.2/30

All: 62.433+/-0.008 χ^2/NDF: 3412488.4/62

- sign 62.673+/-0.011 χ^2/NDF: 1802928.0/31



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -481.453+/-88.205 χ^2/NDF:34.9/14

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

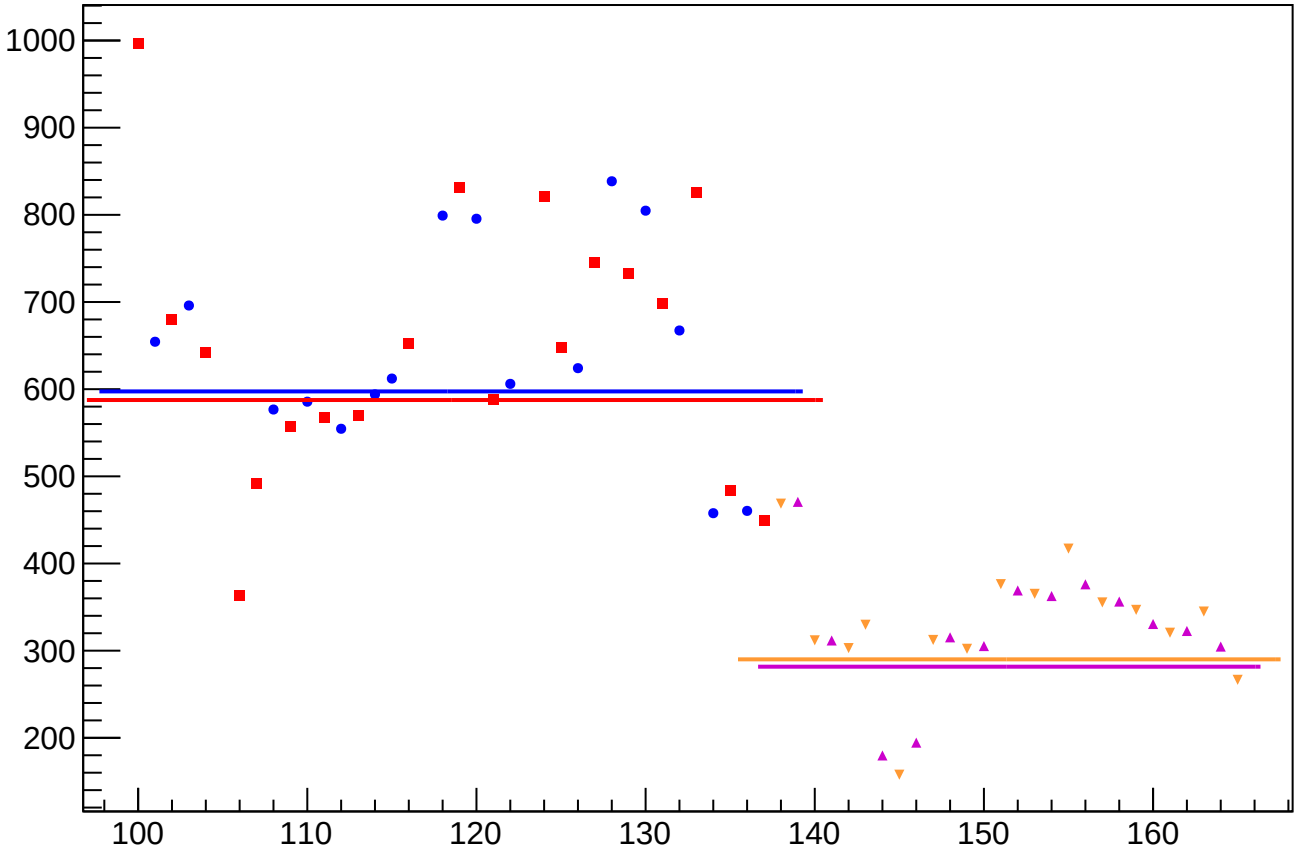
Left In: -83.940+/-89.287 χ^2/NDF:7.2/12

+ sign -455.451+/-82.254 χ^2/NDF: 58.4/30

All: -302.841+/-58.348 χ^2/NDF: 89.5/62

- sign -148.268+/-82.781 χ^2/NDF: 24.2/31

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 290.044+/-0.062 χ^2/NDF:1882491.4/14

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

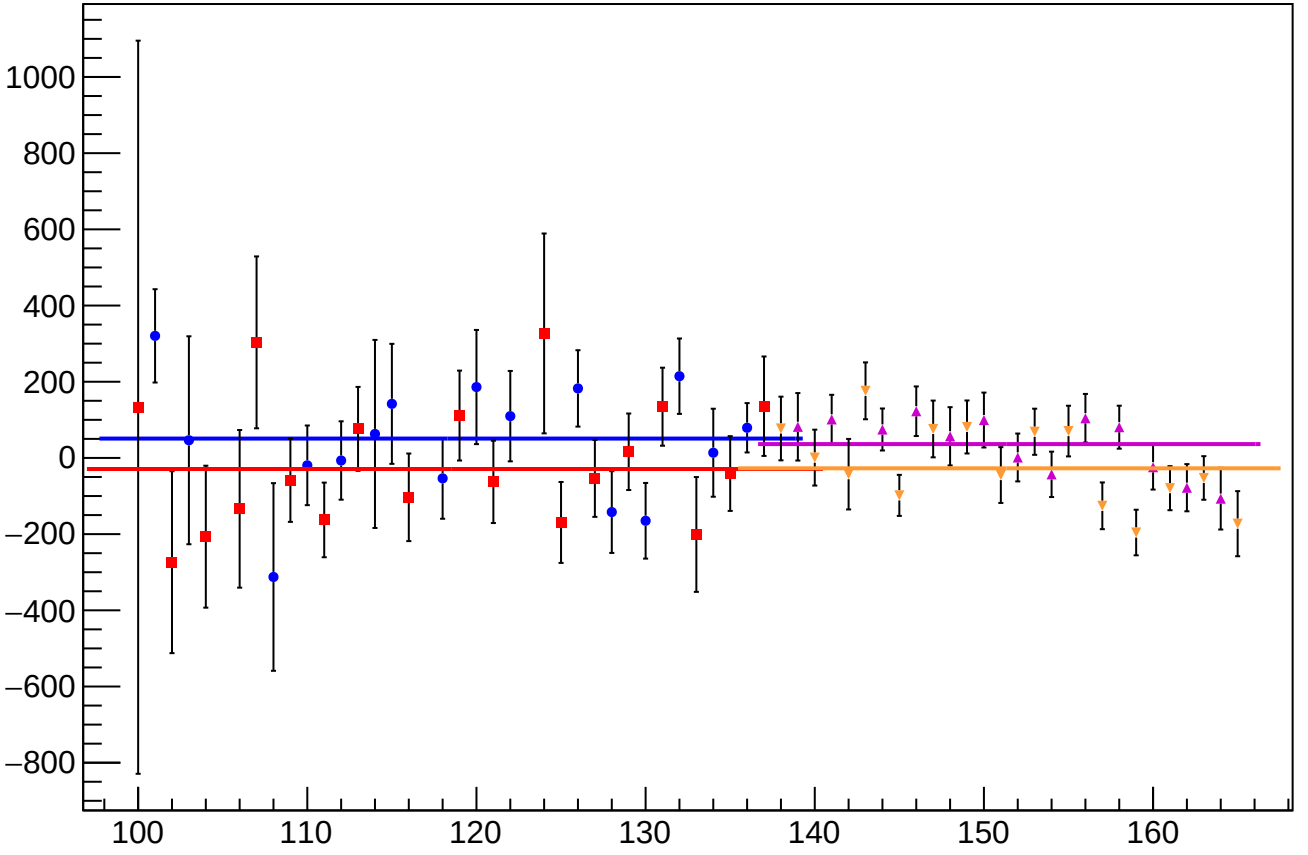
Left In: 281.626+/-0.063 χ^2/NDF:1605120.0/12

+ sign 330.126+/-0.058 χ^2/NDF: 5583499.6/30

All: 327.375+/-0.041 χ^2/NDF: 11179571.0/62

- sign 324.589+/-0.059 χ^2/NDF: 5591569.2/31

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -27.242+/-17.330 χ^2/NDF:34.4/14

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

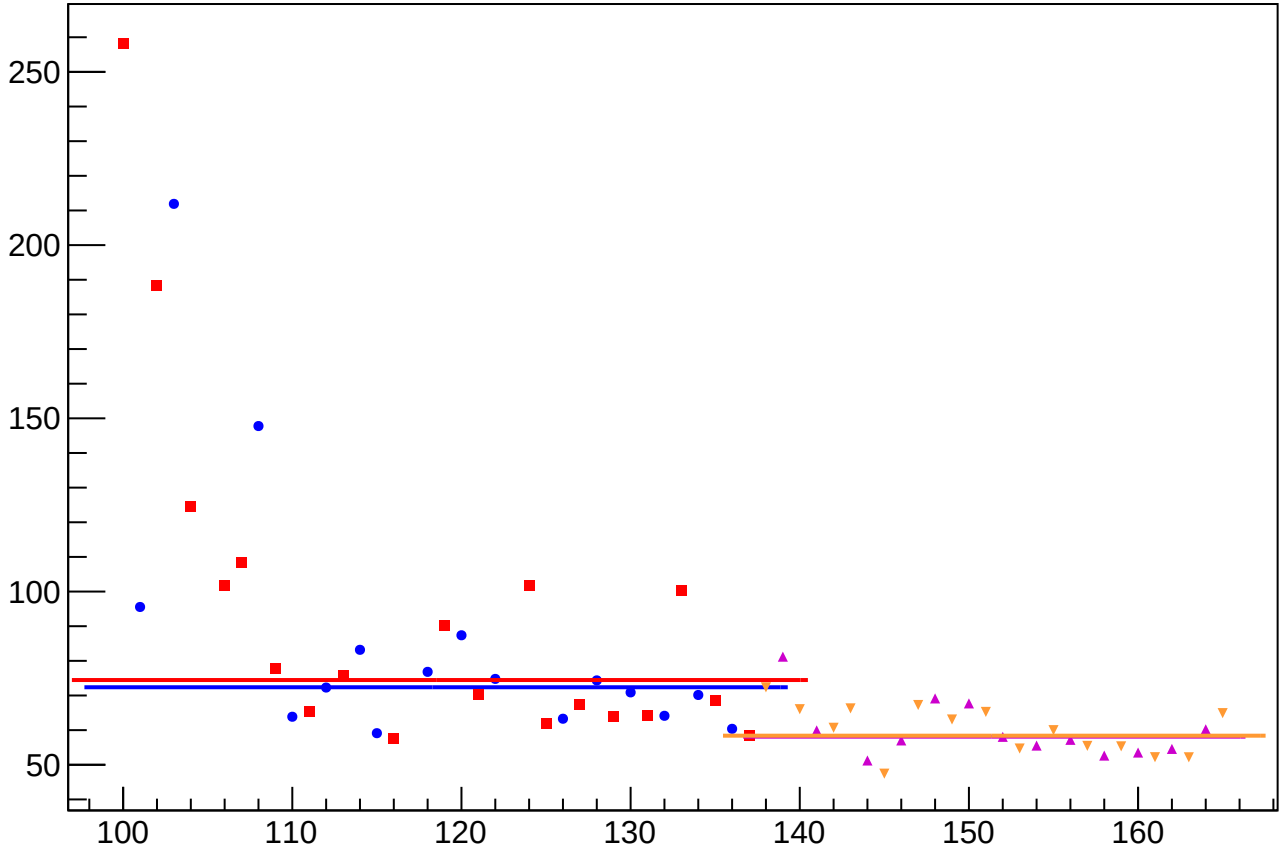
Left In: 36.361+/-17.975 χ^2/NDF:15.8/12

+ sign -5.965+/-14.781 χ^2/NDF: 62.8/30

All: 5.694+/-10.619 χ^2/NDF: 102.1/62

- sign 18.127+/-15.265 χ^2/NDF: 38.0/31

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 58.399+/-0.012 χ^2/NDF:315844.5/14

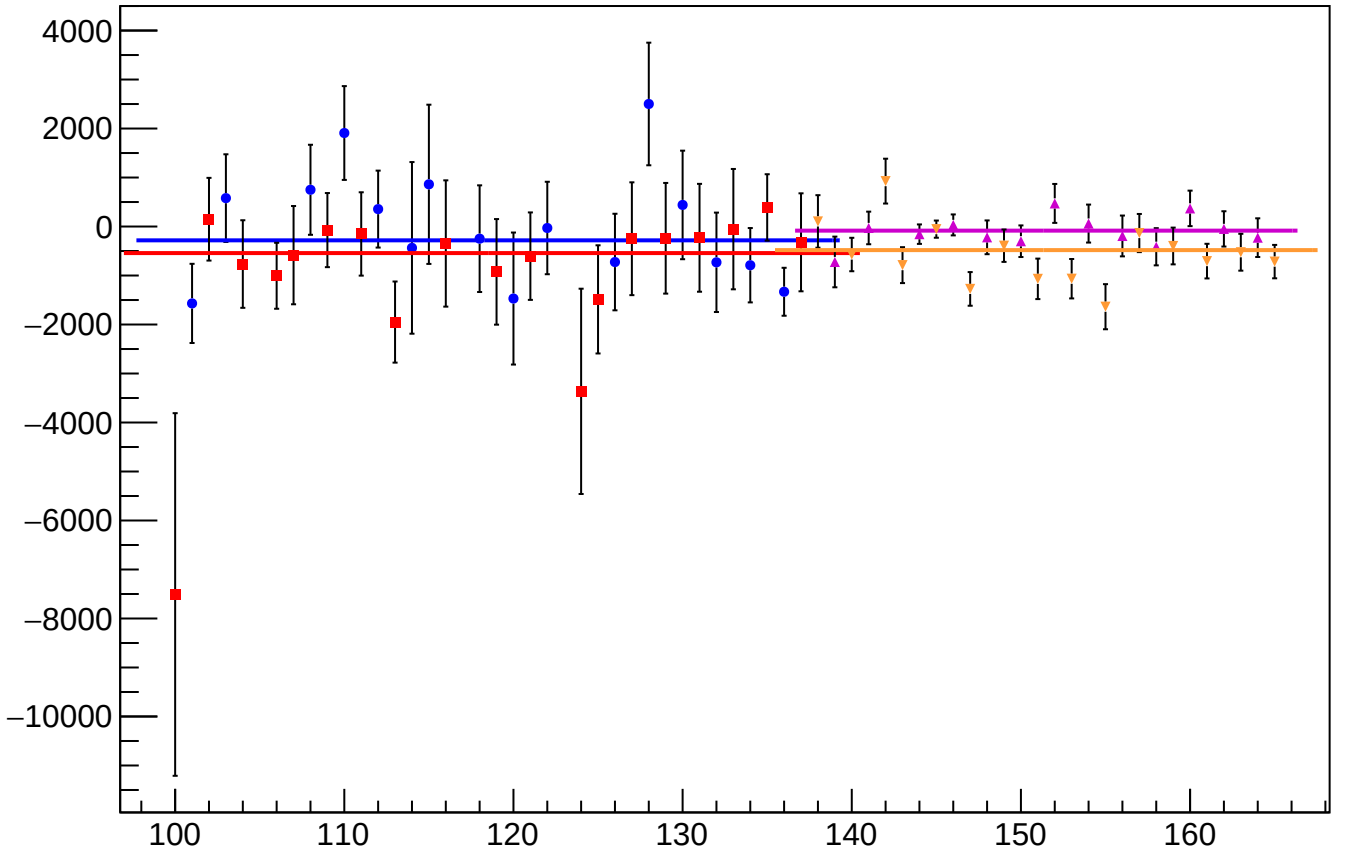
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.115+/-0.013 χ^2/NDF:289374.2/12

+ sign 62.208+/-0.010 χ^2/NDF: 1608605.5/30

All: 62.433+/-0.008 χ^2/NDF: 3412475.8/62

- sign 62.673+/-0.011 χ^2/NDF: 1802913.2/31



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -481.453+/-88.205 χ^2/NDF:34.9/14

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

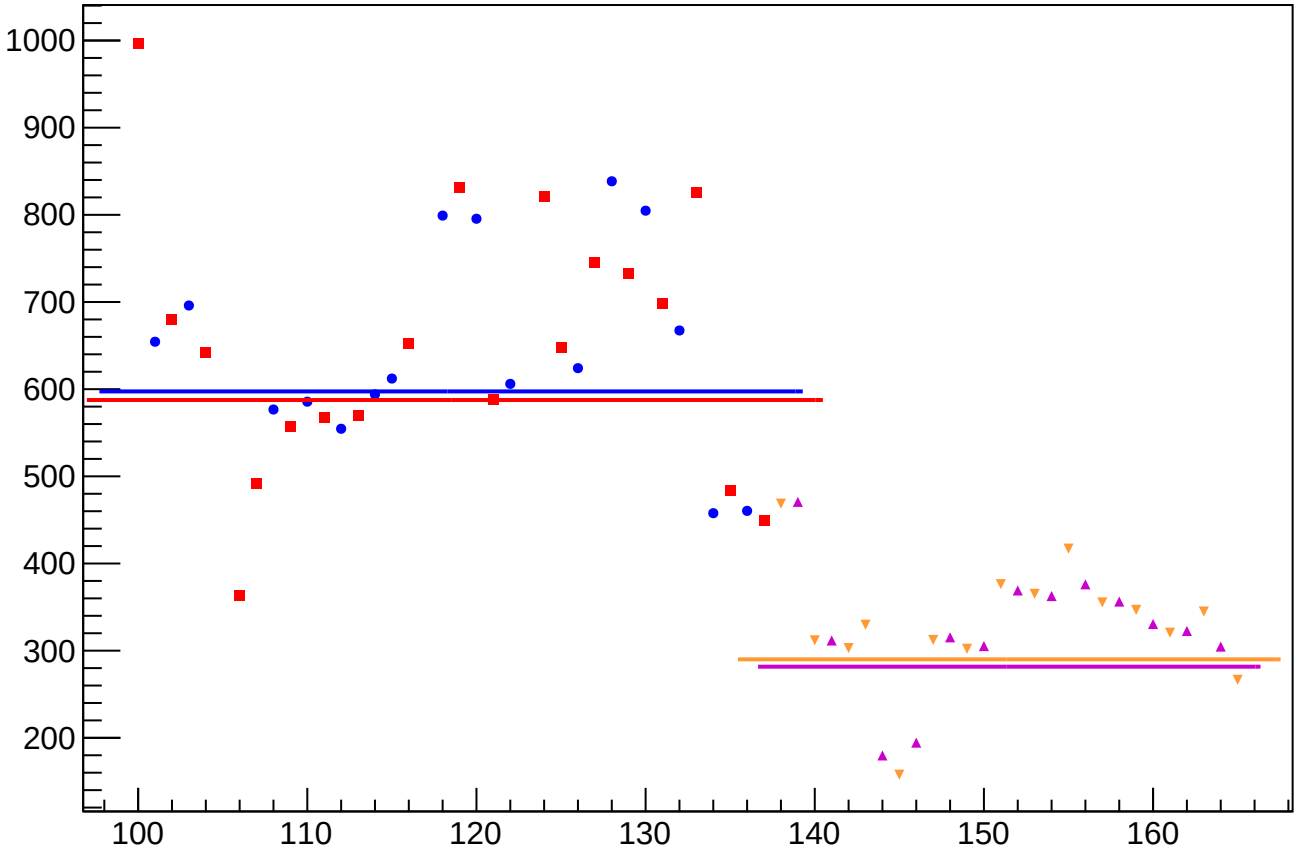
Left In: -83.939+/-89.287 χ^2/NDF:7.2/12

+ sign -455.452+/-82.254 χ^2/NDF: 58.4/30

All: -302.841+/-58.348 χ^2/NDF: 89.5/62

- sign -148.268+/-82.781 χ^2/NDF: 24.2/31

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 290.044+/-0.062 χ^2/NDF:1882480.3/14

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

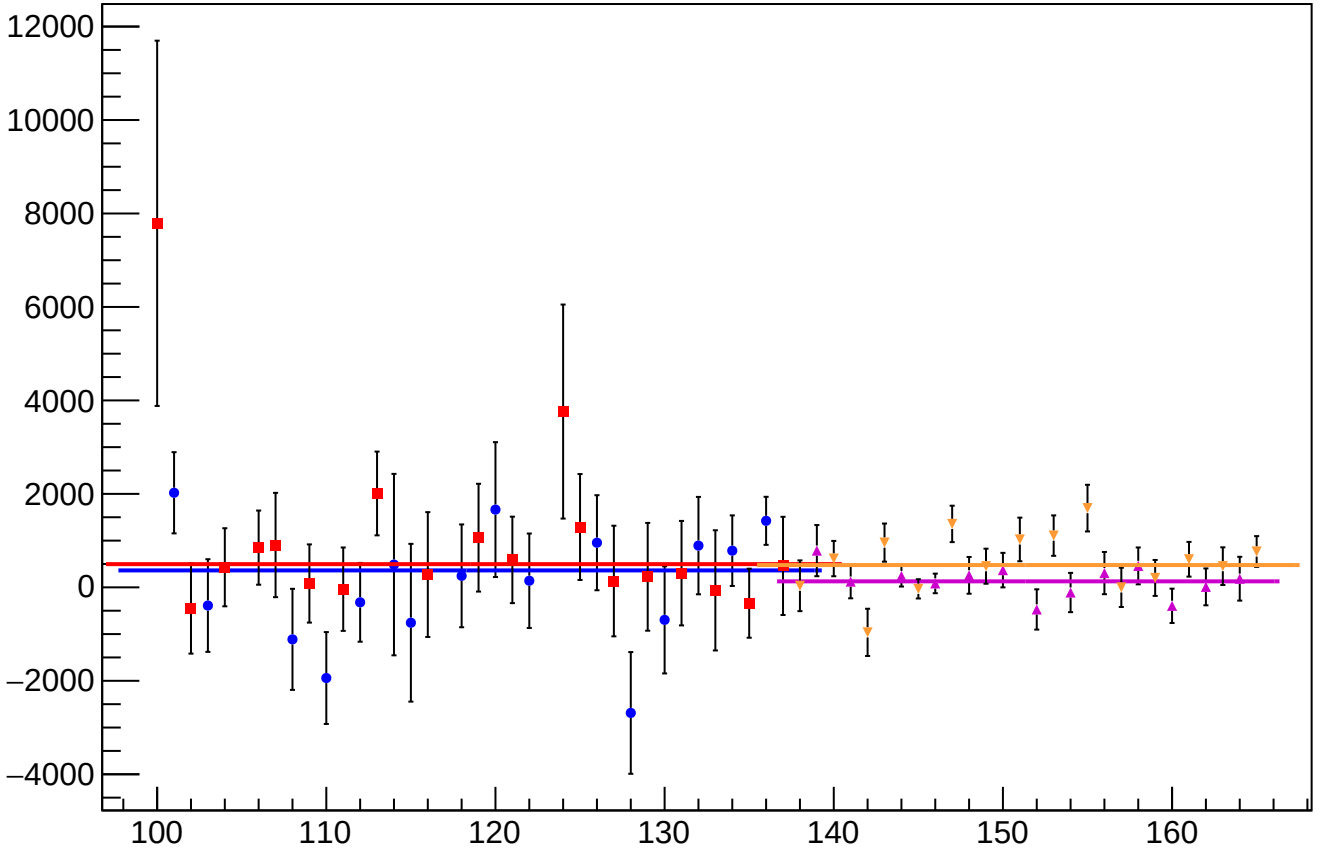
Left In: 281.626+/-0.063 χ^2/NDF:1605113.4/12

+ sign 330.125+/-0.058 χ^2/NDF: 5583495.0/30

All: 327.375+/-0.041 χ^2/NDF: 11179561.5/62

- sign 324.588+/-0.059 χ^2/NDF: 5591564.2/31

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 476.716+/-96.868 χ^2/NDF:33.7/14

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

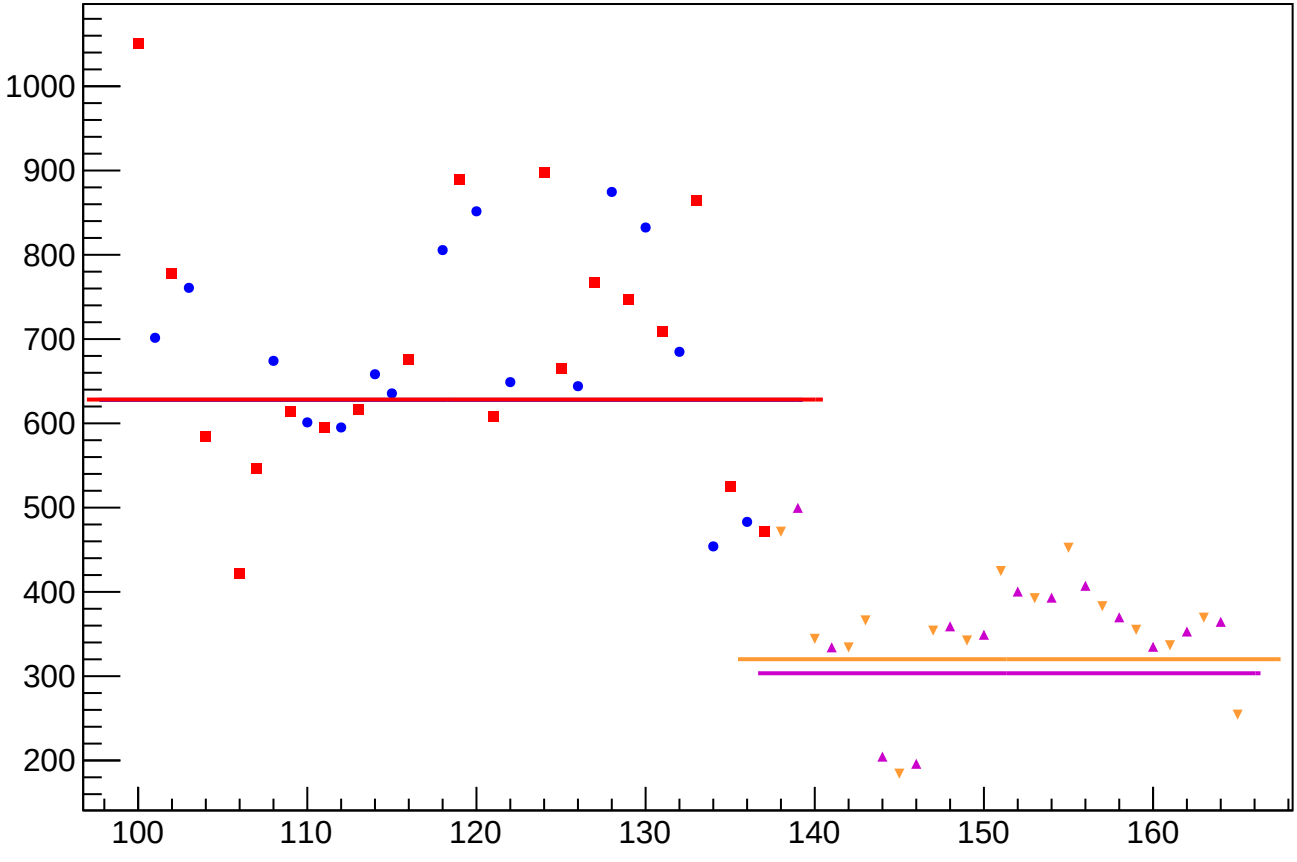
Left In: 128.421+/-96.178 χ^2/NDF:7.5/12

+ sign 460.734+/-89.843 χ^2/NDF: 58.9/30

All: 319.580+/-63.253 χ^2/NDF: 86.1/62

- sign 180.855+/-89.067 χ^2/NDF: 22.3/31

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 320.142+/-0.068 χ^2/NDF:1553619.7/14

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

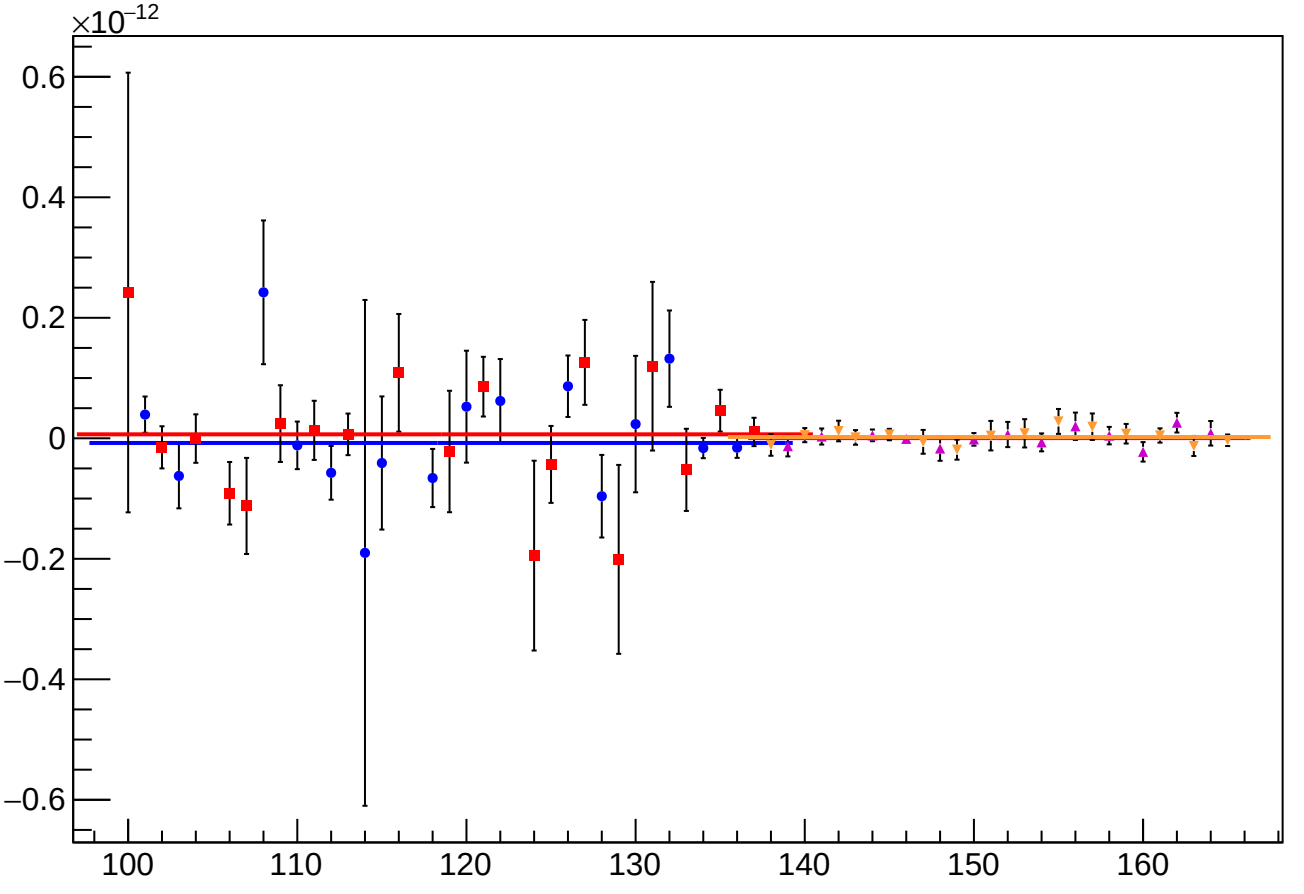
Left In: 303.464+/-0.068 χ^2/NDF:1686960.3/12

+ sign 363.160+/-0.064 χ^2/NDF: 4942227.4/30

All: 356.378+/-0.045 χ^2/NDF: 10470497.2/62

- sign 349.713+/-0.063 χ^2/NDF: 5505672.7/31

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

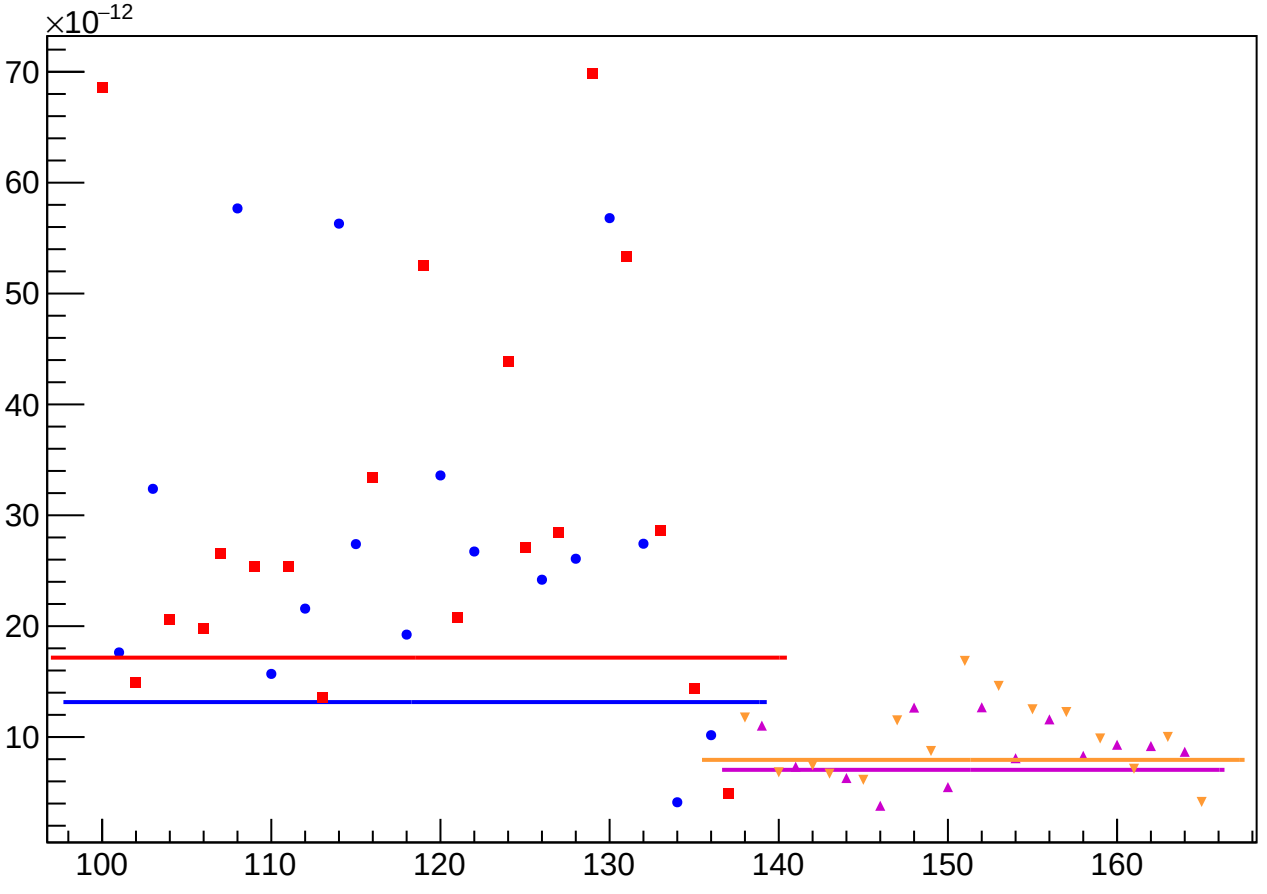
Left In: 0.000+/-0.000 χ^2/NDF:7.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/30

All: 0.000+/-0.000 χ^2/NDF: 56.0/62

- sign 0.000+/-0.000 χ^2/NDF: 27.6/31

asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1254347.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

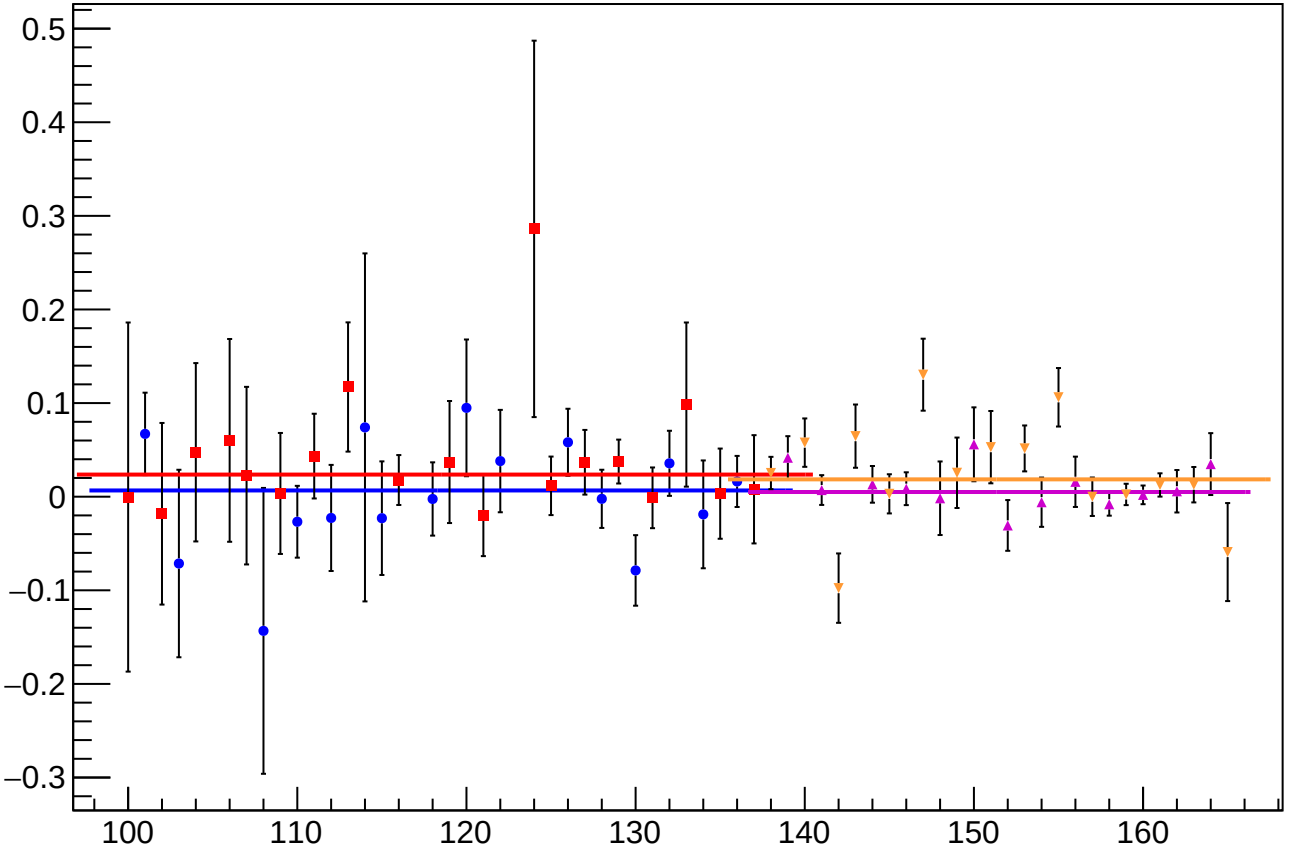
Left In: 0.000+/-0.000 χ^2/NDF:1042577.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 3870661.3/30

All: 0.000+/-0.000 χ^2/NDF: 7992420.3/62

- sign 0.000+/-0.000 χ^2/NDF: 4084544.7/31

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: 0.019+/-0.005 χ^2/NDF:39.0/14

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

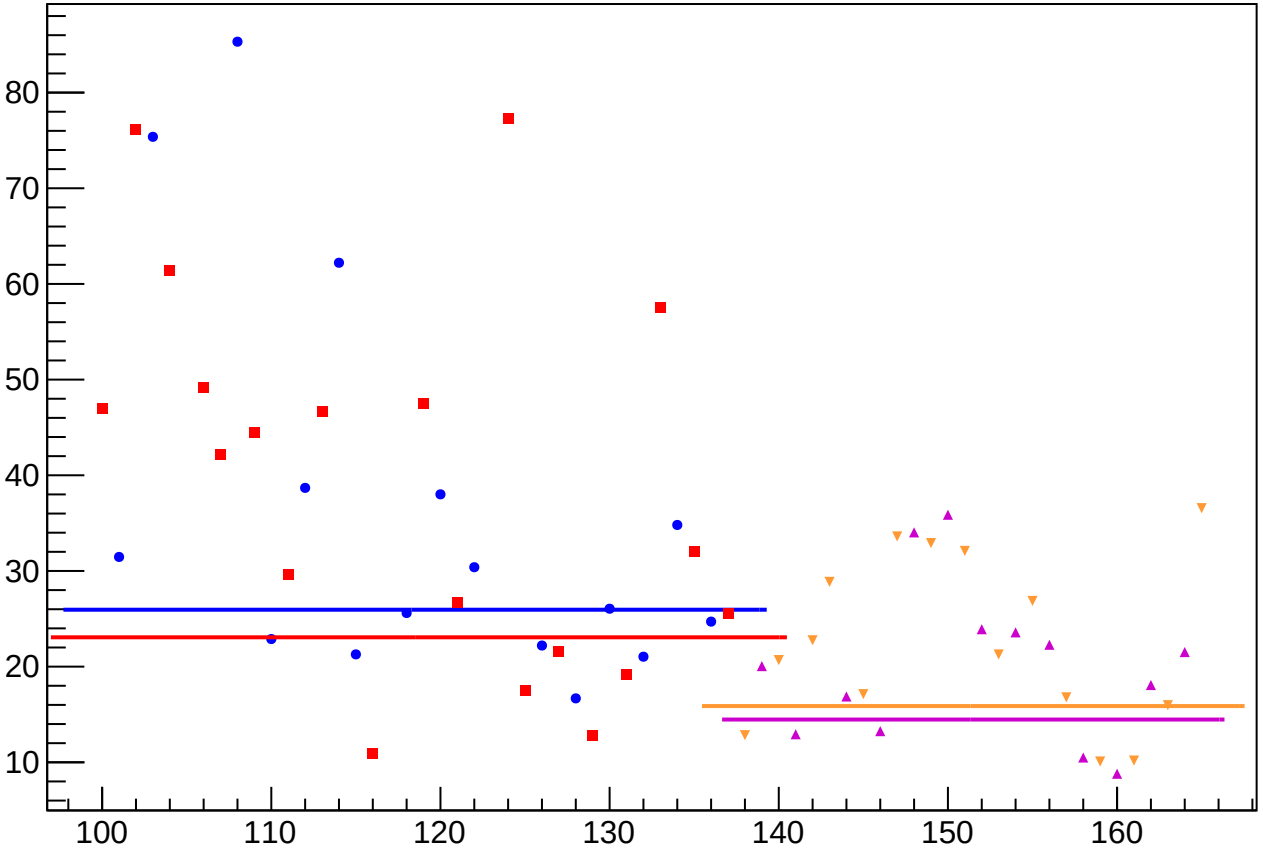
Left In: 0.005+/-0.005 χ^2/NDF:8.6/12

+ sign 0.016+/-0.005 χ^2/NDF: 54.9/30

All: 0.012+/-0.003 χ^2/NDF: 74.8/62

- sign 0.009+/-0.005 χ^2/NDF: 18.6/31

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.878+/-0.004 χ^2/NDF:3285474.4/14

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

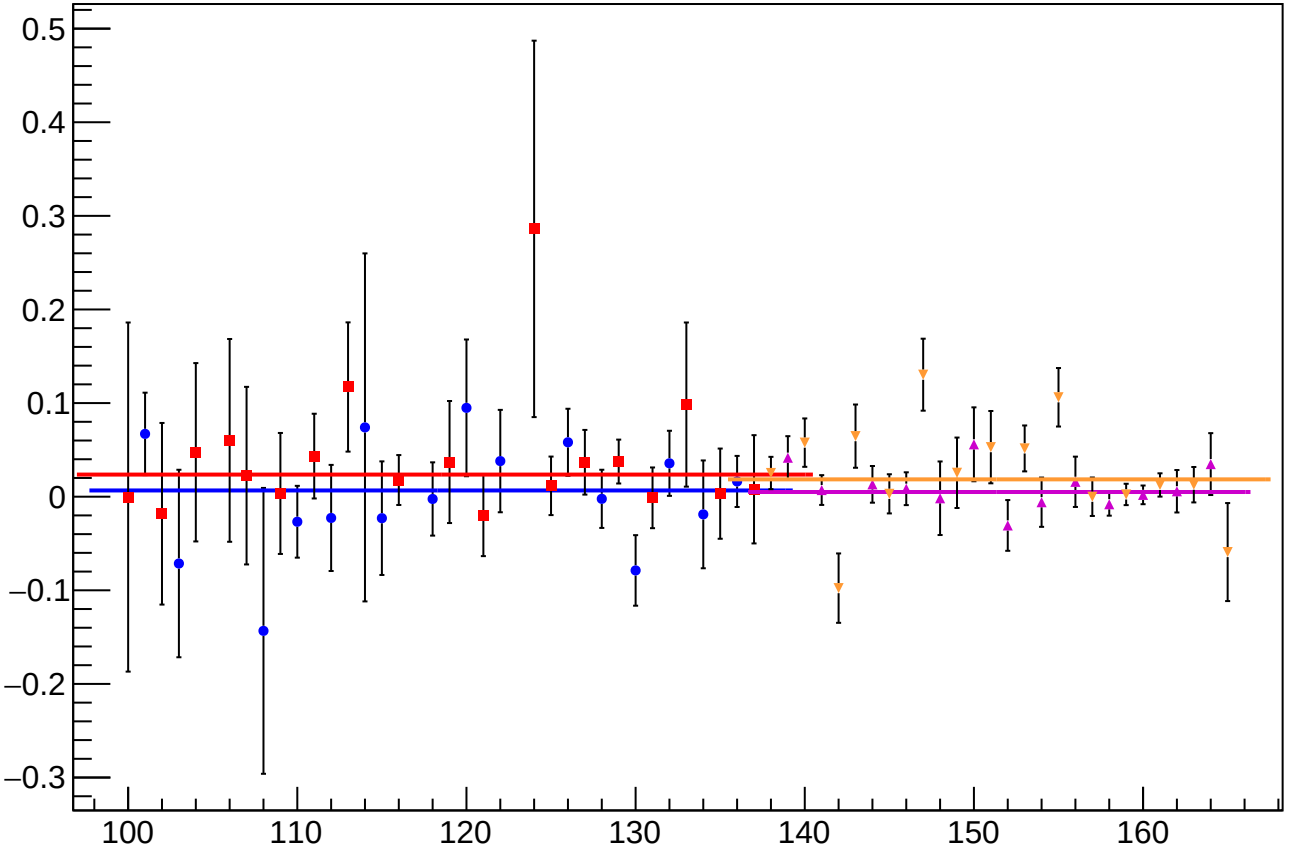
Left In: 14.471+/-0.004 χ^2/NDF:2909128.0/12

+ sign 17.859+/-0.003 χ^2/NDF: 5989853.4/30

All: 16.970+/-0.002 χ^2/NDF: 13458292.8/62

- sign 16.170+/-0.003 χ^2/NDF: 7344593.7/31

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

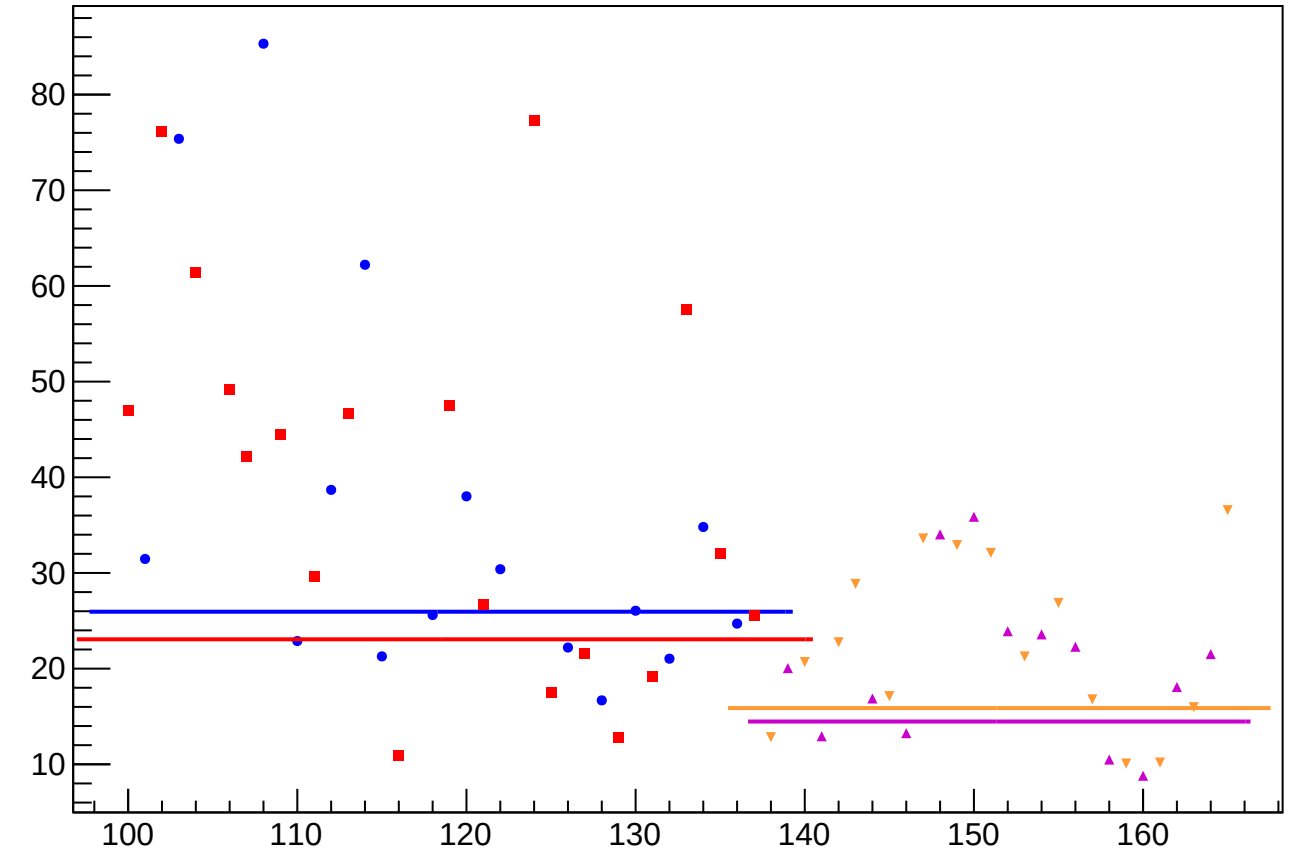
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.005 χ^2/NDF:8.6/12

+ sign 0.016+/-0.005 χ^2/NDF: 54.9/30

All: 0.012+/-0.003 χ^2/NDF: 74.8/62

- sign 0.009+/-0.005 χ^2/NDF: 18.6/31



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.878+/-0.004 χ^2/NDF:3285474.4/14

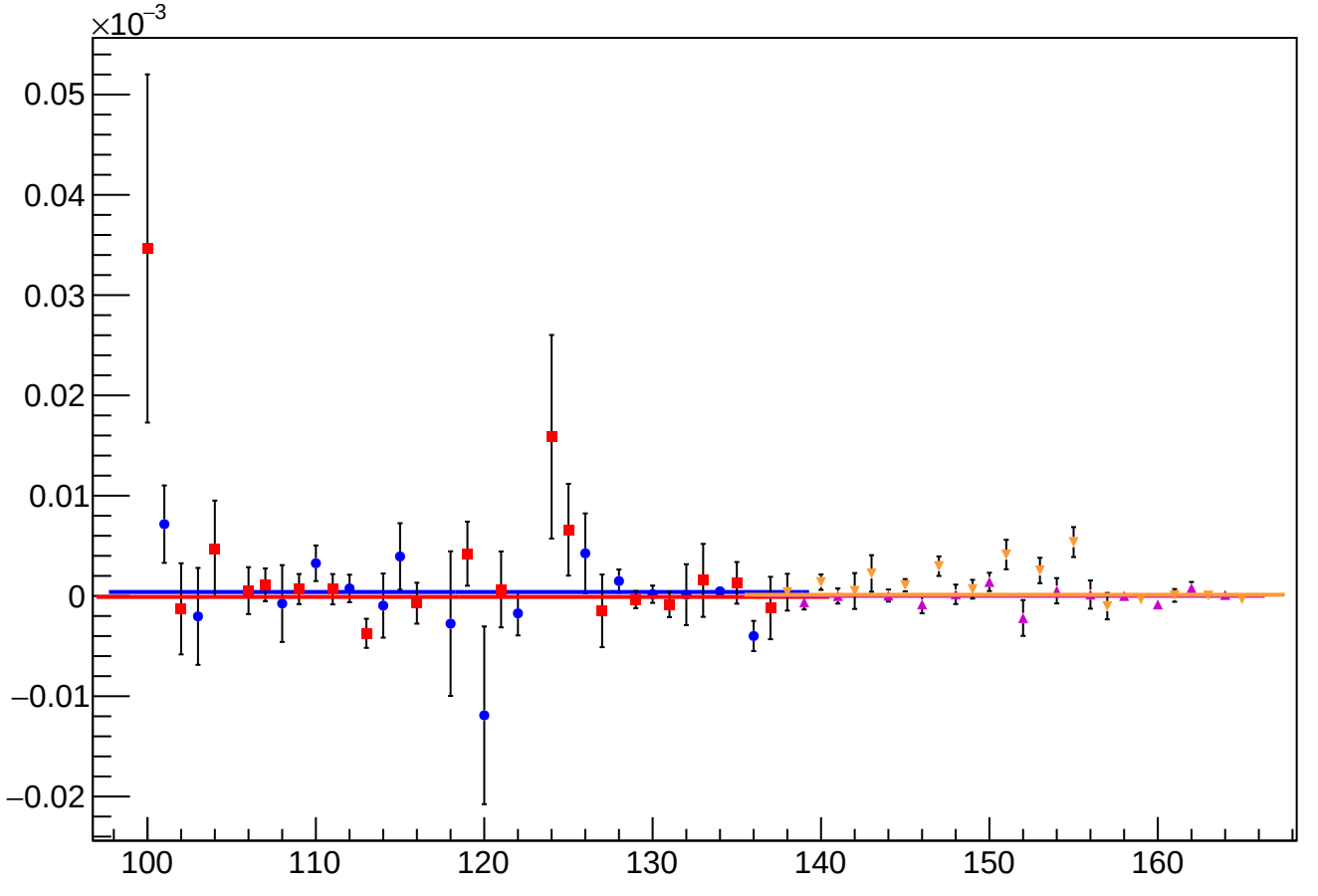
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.471+/-0.004 χ^2/NDF:2909128.0/12

+ sign 17.859+/-0.003 χ^2/NDF: 5989853.4/30

All: 16.970+/-0.002 χ^2/NDF: 13458292.8/62

- sign 16.170+/-0.003 χ^2/NDF: 7344593.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.9/14

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

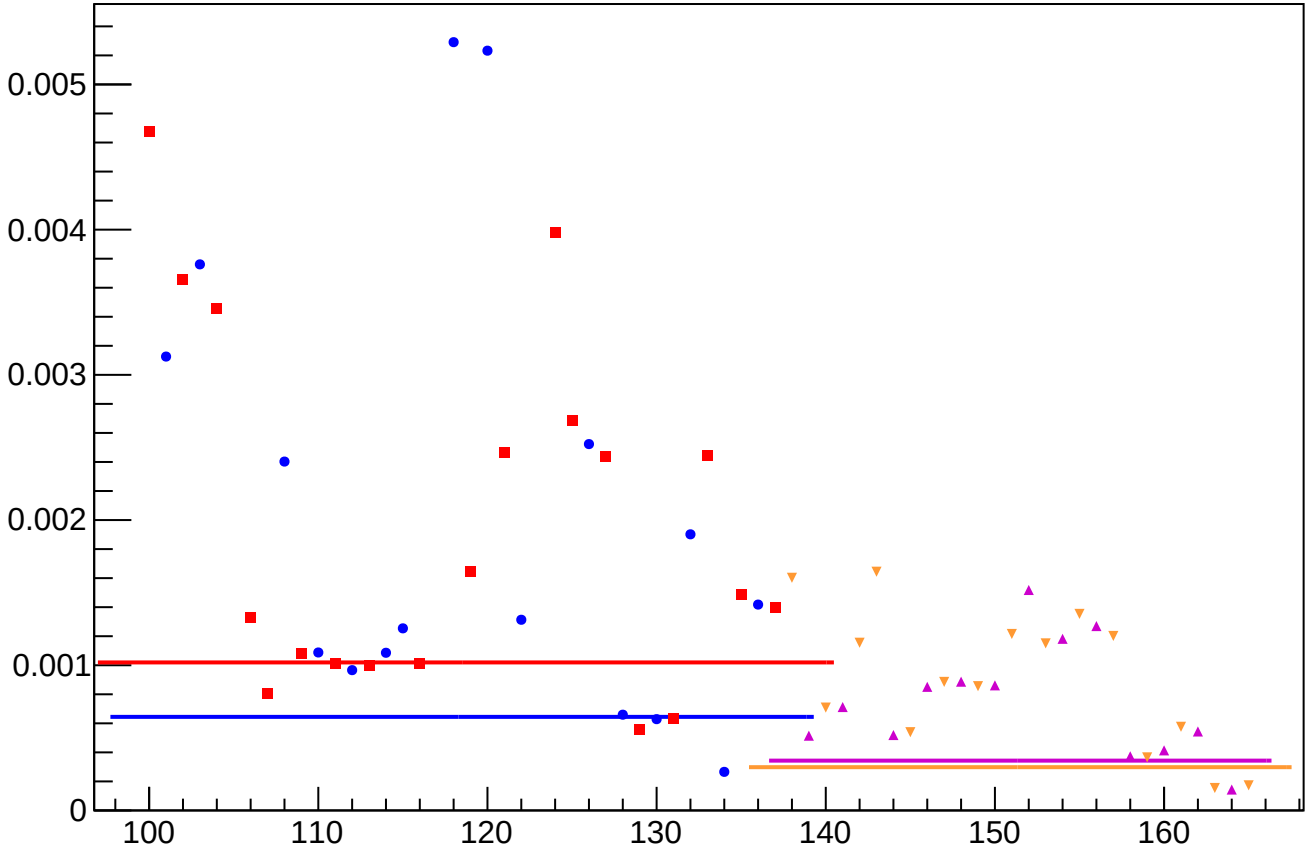
Left In: 0.000+/-0.000 χ^2/NDF:11.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 66.4/30

All: 0.000+/-0.000 χ^2/NDF: 98.6/62

- sign 0.000+/-0.000 χ^2/NDF: 31.5/31

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10763876.6/14

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

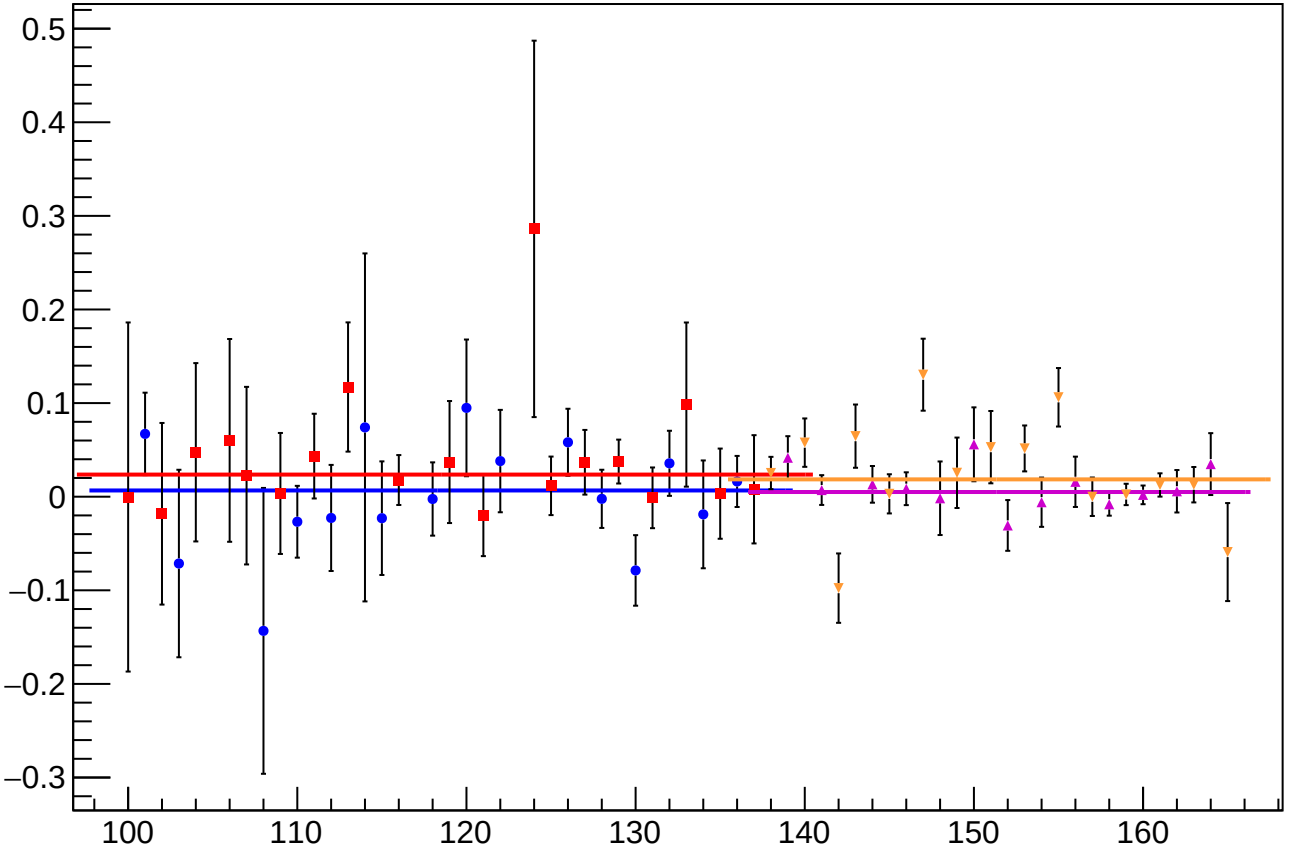
Left In: 0.000+/-0.000 χ^2/NDF:7853194.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 19181912.3/30

All: 0.000+/-0.000 χ^2/NDF: 35095962.1/62

- sign 0.000+/-0.000 χ^2/NDF: 15650315.2/31

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

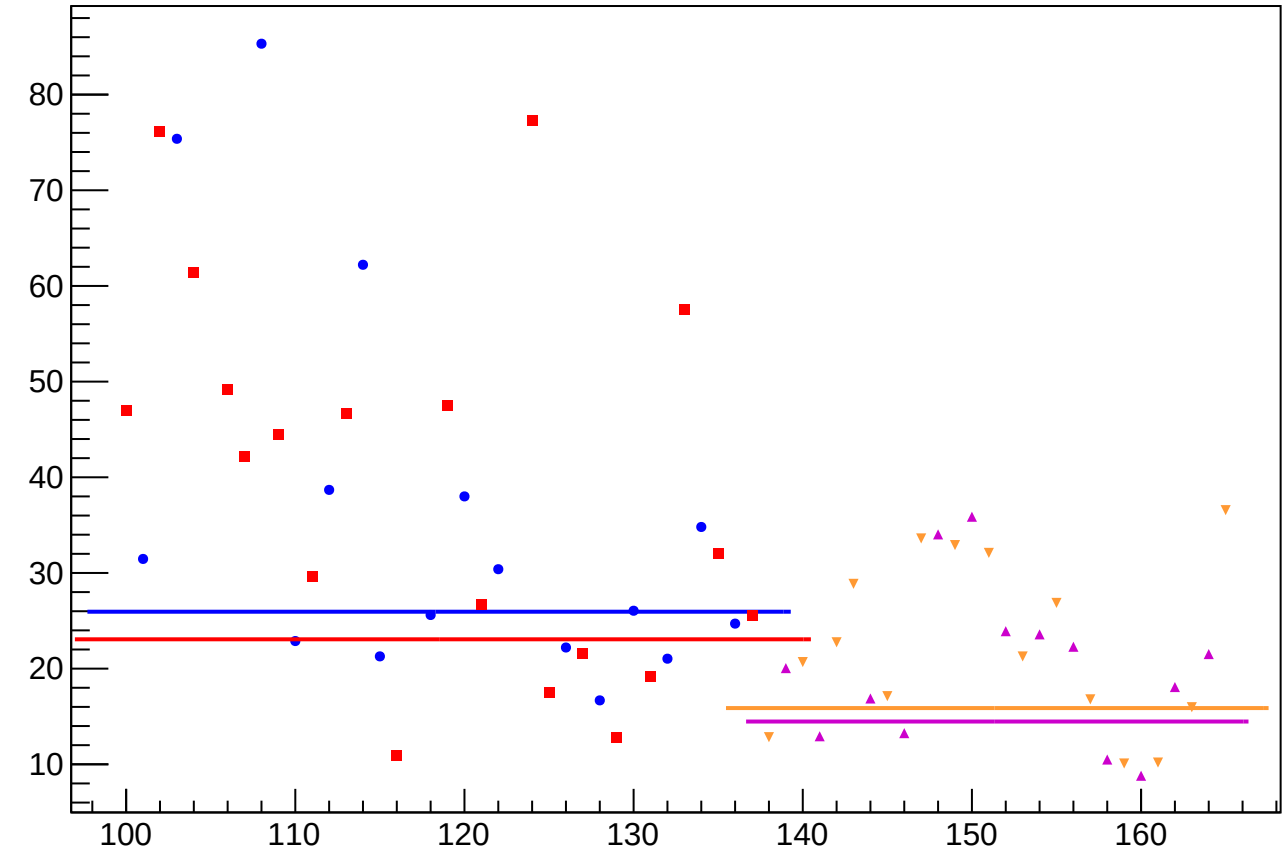
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.005 χ^2/NDF:8.6/12

+ sign 0.016+/-0.005 χ^2/NDF: 54.9/30

All: 0.012+/-0.003 χ^2/NDF: 74.8/62

- sign 0.009+/-0.005 χ^2/NDF: 18.6/31



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.878+/-0.004 χ^2/NDF:3285674.7/14

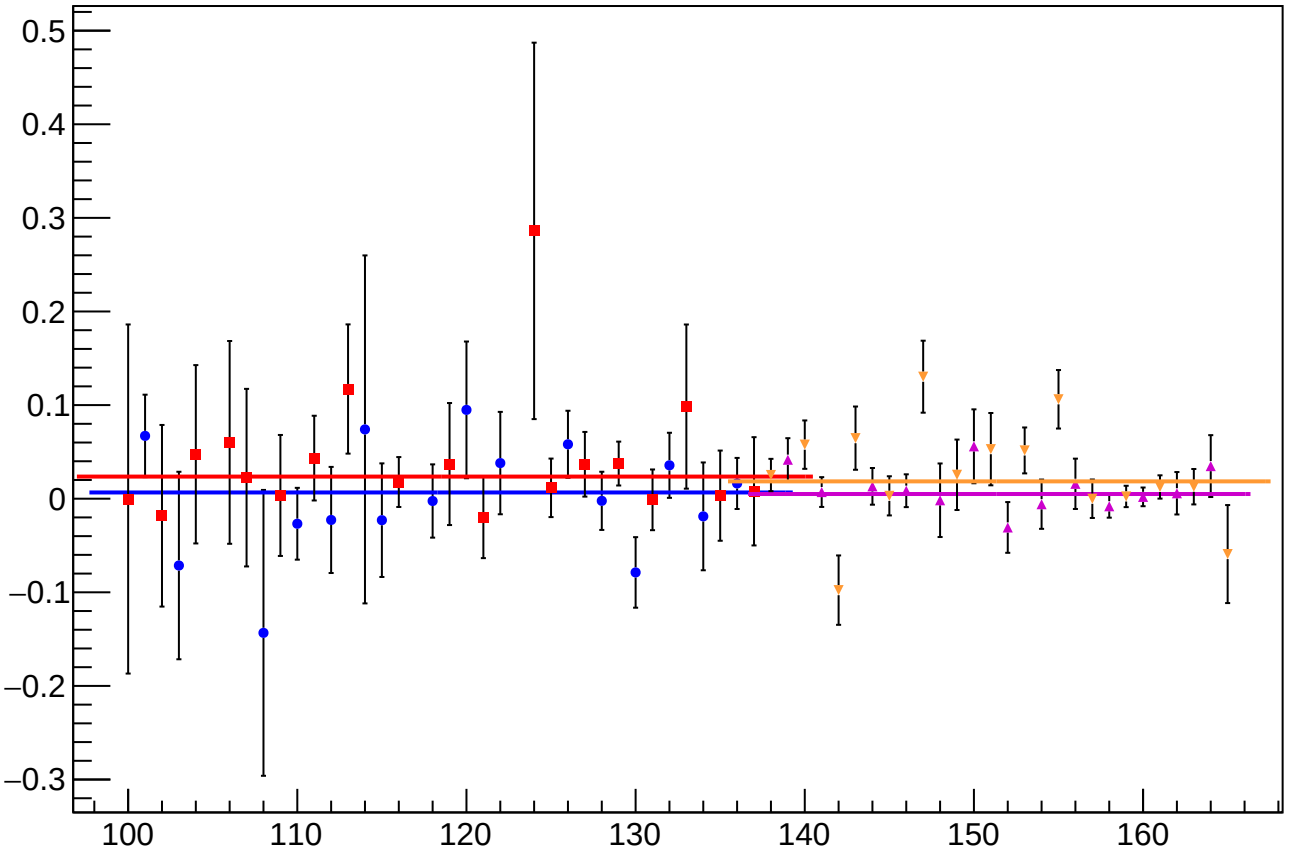
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.471+/-0.004 χ^2/NDF:2909290.3/12

\+ sign 17.859+/-0.003 χ^2/NDF: 5990025.2/30

All: 16.970+/-0.002 χ^2/NDF: 13458554.9/62

\- sign 16.170+/-0.003 χ^2/NDF: 7344671.2/31



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.005 χ^2/NDF:39.0/14

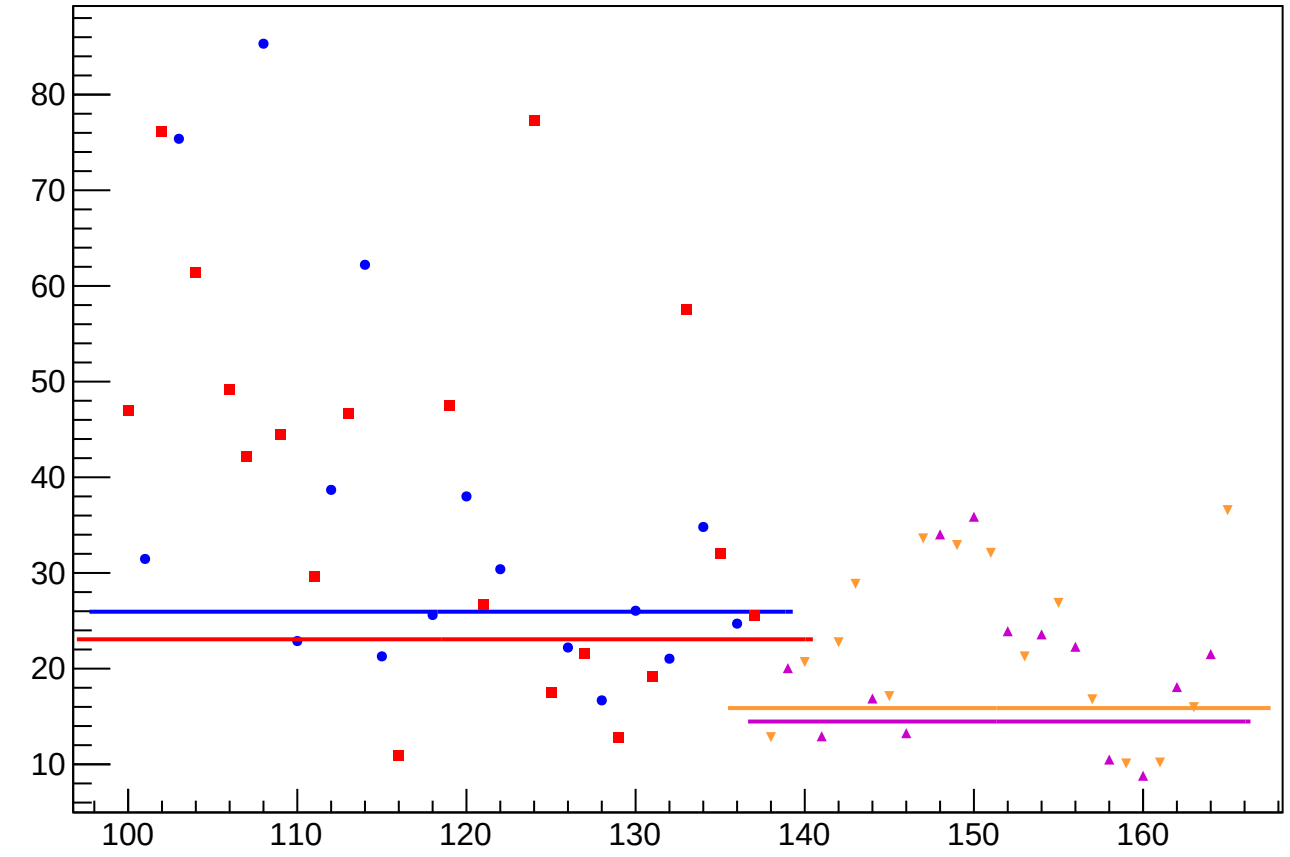
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.005+/-0.005 χ^2/NDF:8.6/12

+ sign 0.016+/-0.005 χ^2/NDF: 54.9/30

All: 0.012+/-0.003 χ^2/NDF: 74.8/62

- sign 0.009+/-0.005 χ^2/NDF: 18.6/31



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.878+/-0.004 χ^2/NDF:3285674.7/14

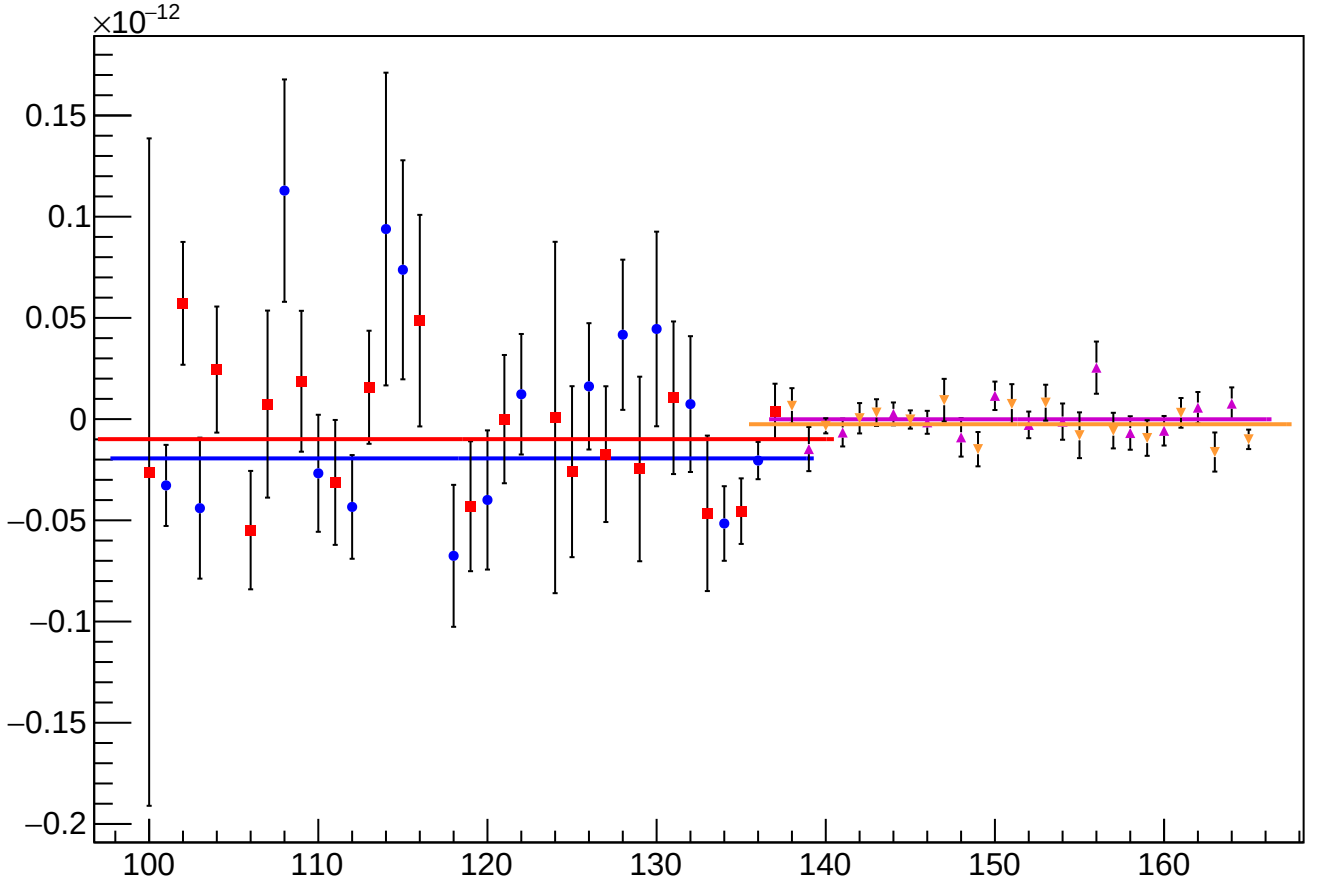
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.471+/-0.004 χ^2/NDF:2909290.3/12

+ sign 17.859+/-0.003 χ^2/NDF: 5990025.2/30

All: 16.970+/-0.002 χ^2/NDF: 13458554.9/62

- sign 16.170+/-0.003 χ^2/NDF: 7344671.2/31



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/14

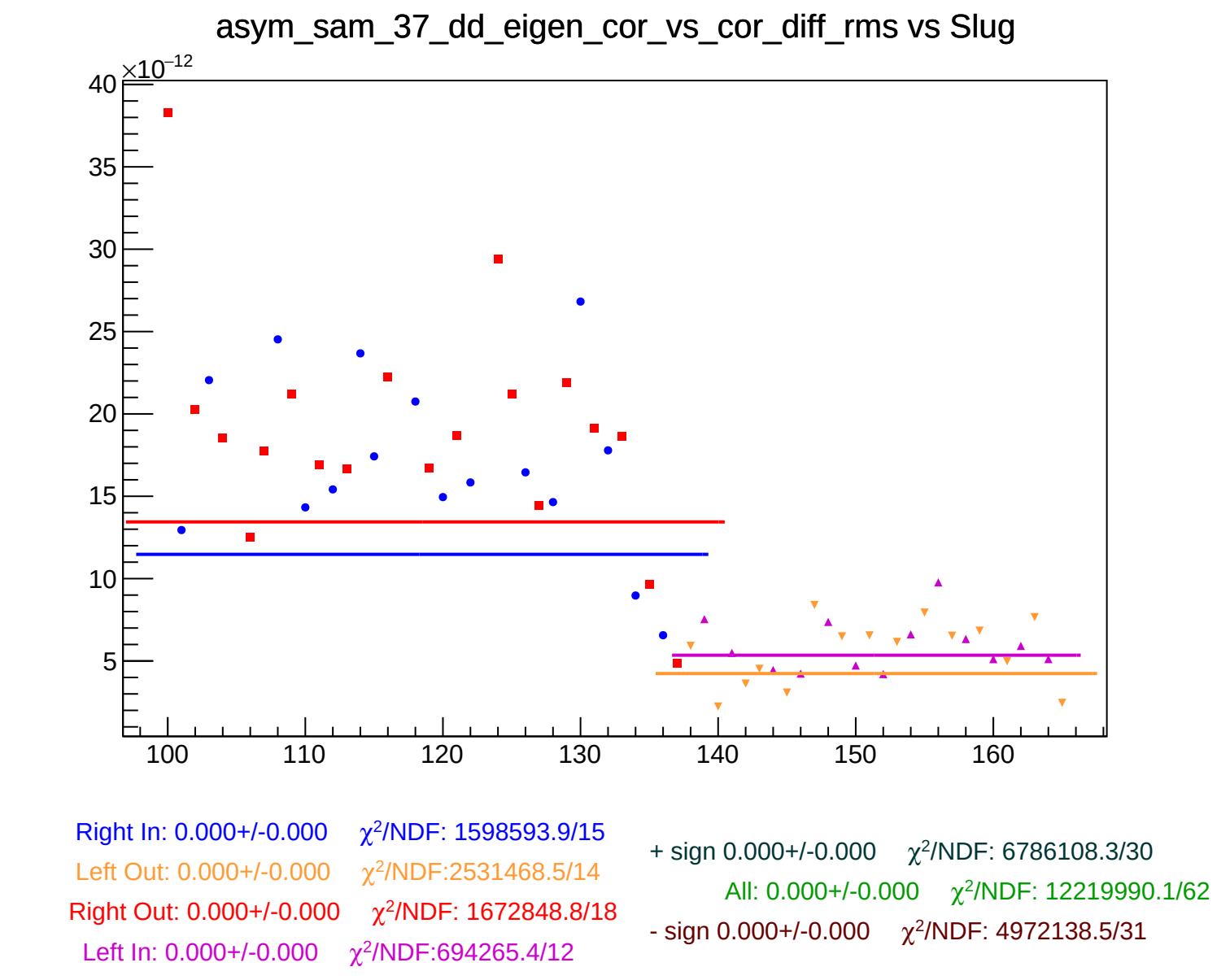
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/12

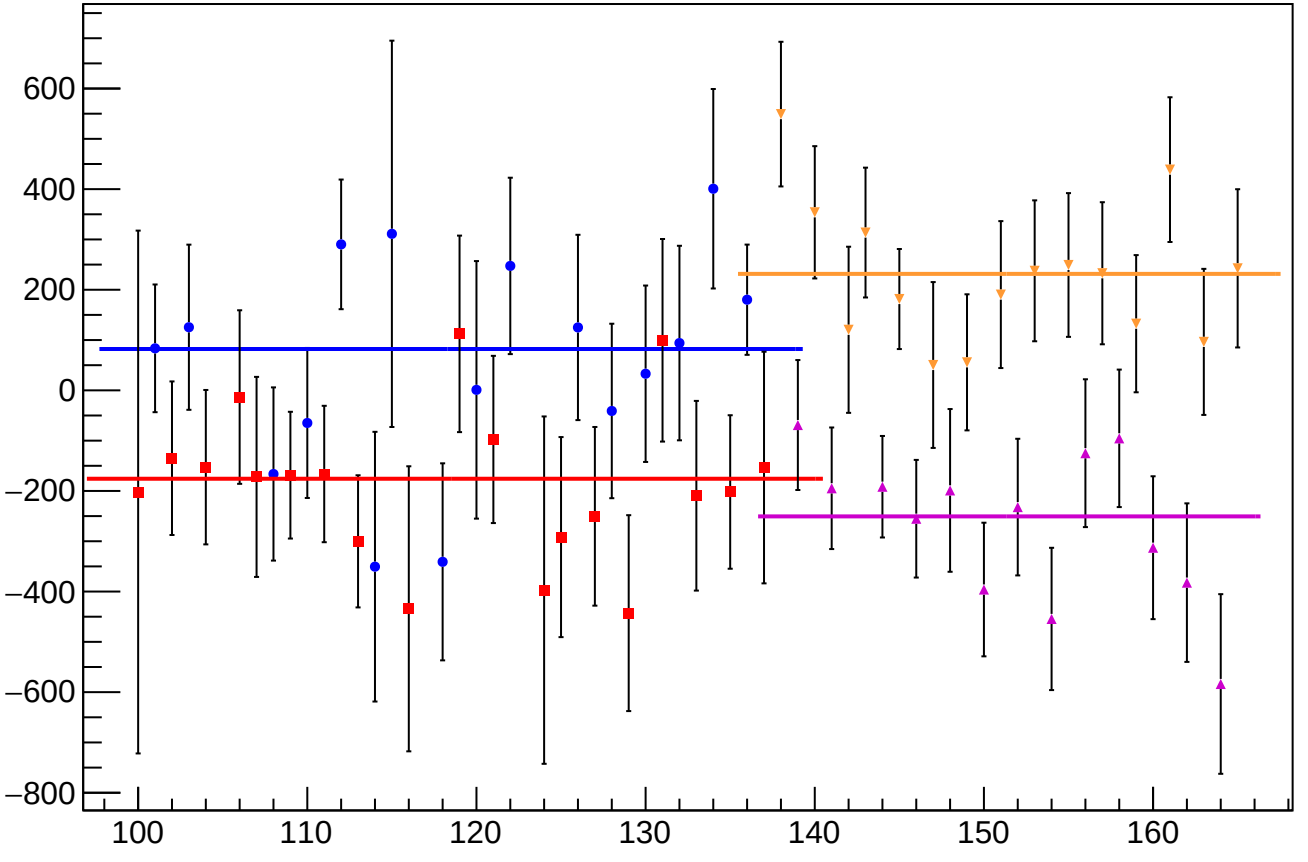
+ sign -0.000+/-0.000 χ^2/NDF: 47.0/30

All: -0.000+/-0.000 χ^2/NDF: 84.0/62

- sign -0.000+/-0.000 χ^2/NDF: 35.7/31


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2531468.5/14
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:694265.4/12
+ sign 0.000+/-0.000 χ²/NDF: 6786108.3/30
All: 0.000+/-0.000 χ²/NDF: 12219990.1/62
- sign 0.000+/-0.000 χ²/NDF: 4972138.5/31

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.539+/-35.752 χ^2/NDF:13.3/14

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

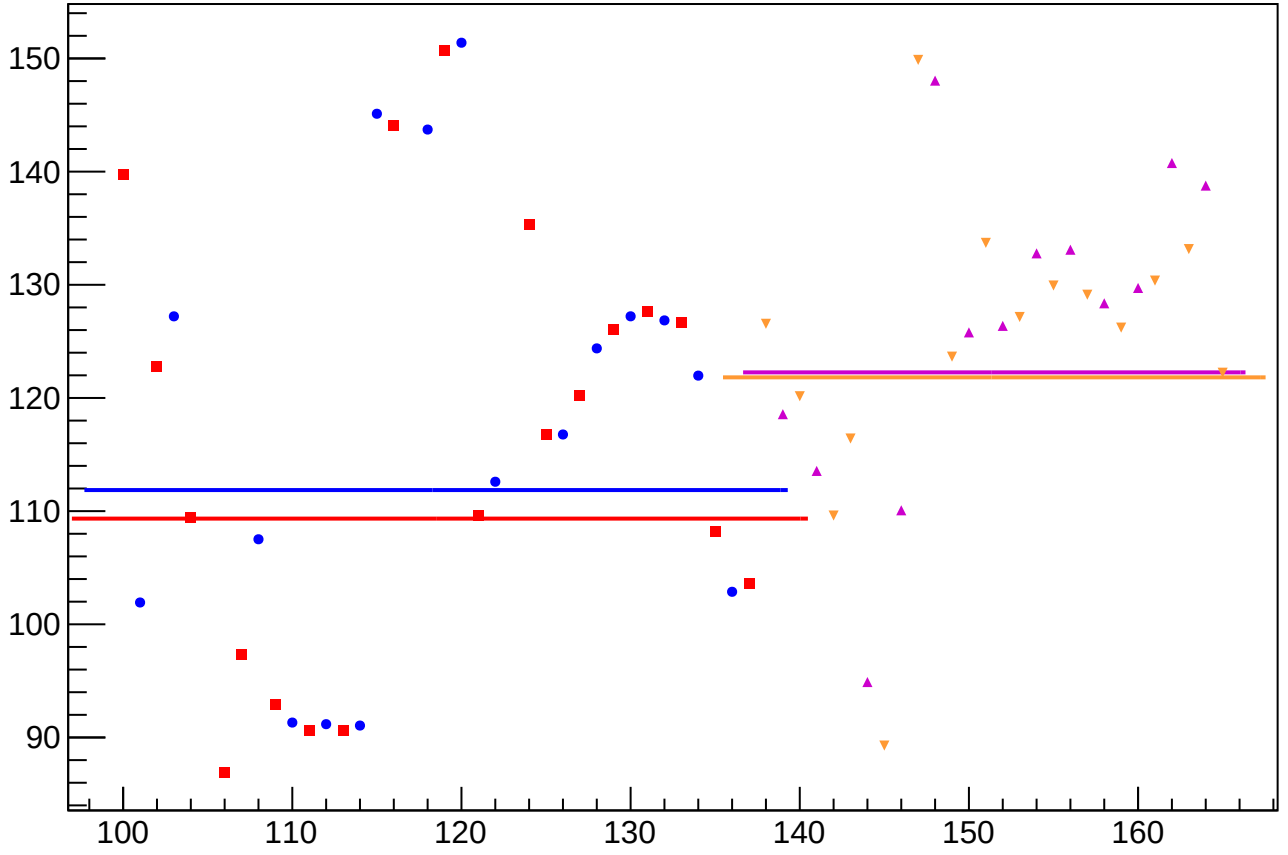
Left In: -250.584+/-37.271 χ^2/NDF:12.3/12

+ sign 169.022+/-27.260 χ^2/NDF: 39.0/30

All: -22.159+/-19.353 χ^2/NDF: 162.2/62

- sign -216.418+/-27.479 χ^2/NDF: 24.0/31

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.821+/-0.025 χ^2/NDF:338483.6/14

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

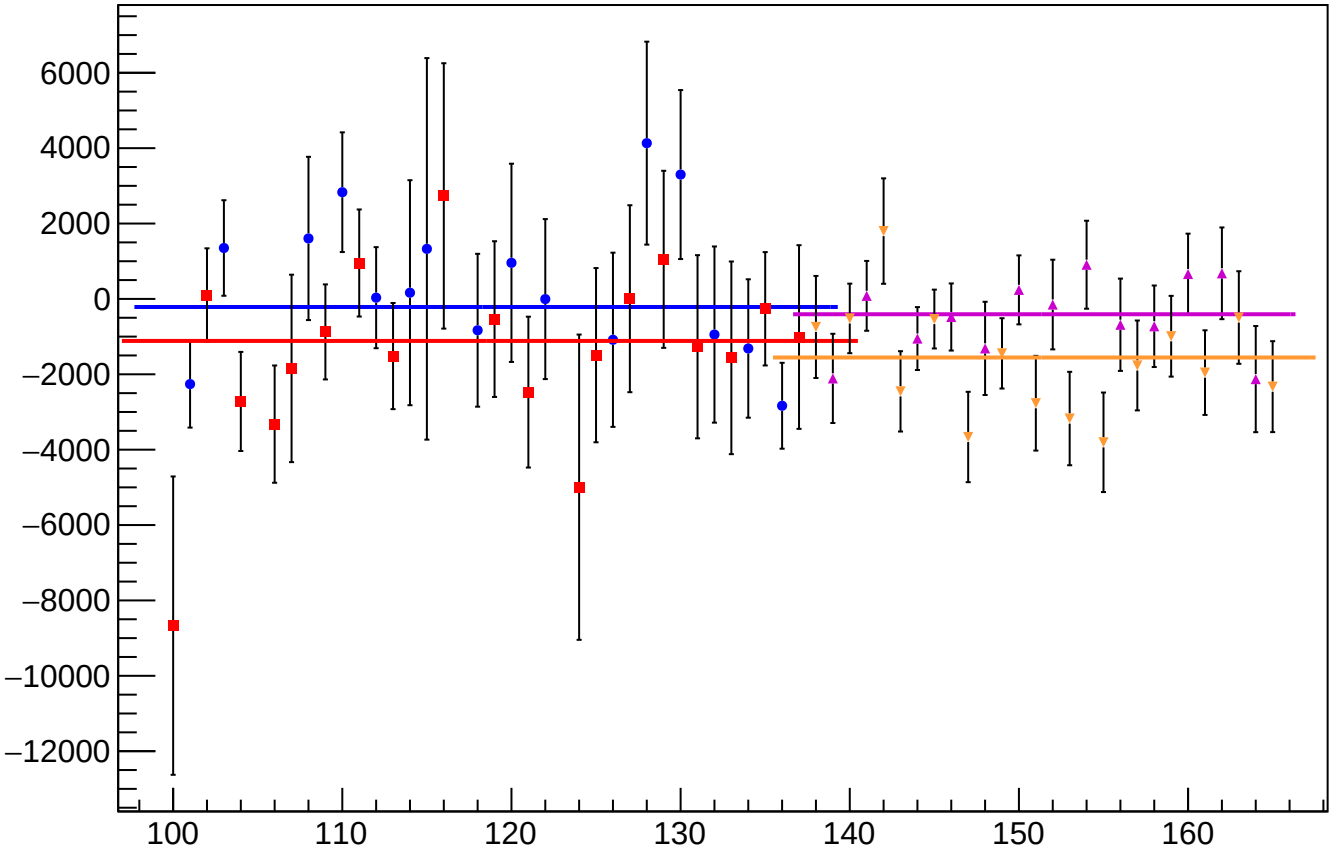
Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

+ sign 117.652+/-0.019 χ^2/NDF: 709470.9/30

All: 117.013+/-0.014 χ^2/NDF: 1499512.6/62

- sign 116.364+/-0.019 χ^2/NDF: 787826.8/31

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1554.289+/-286.621 χ^2/NDF:20.0/14

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

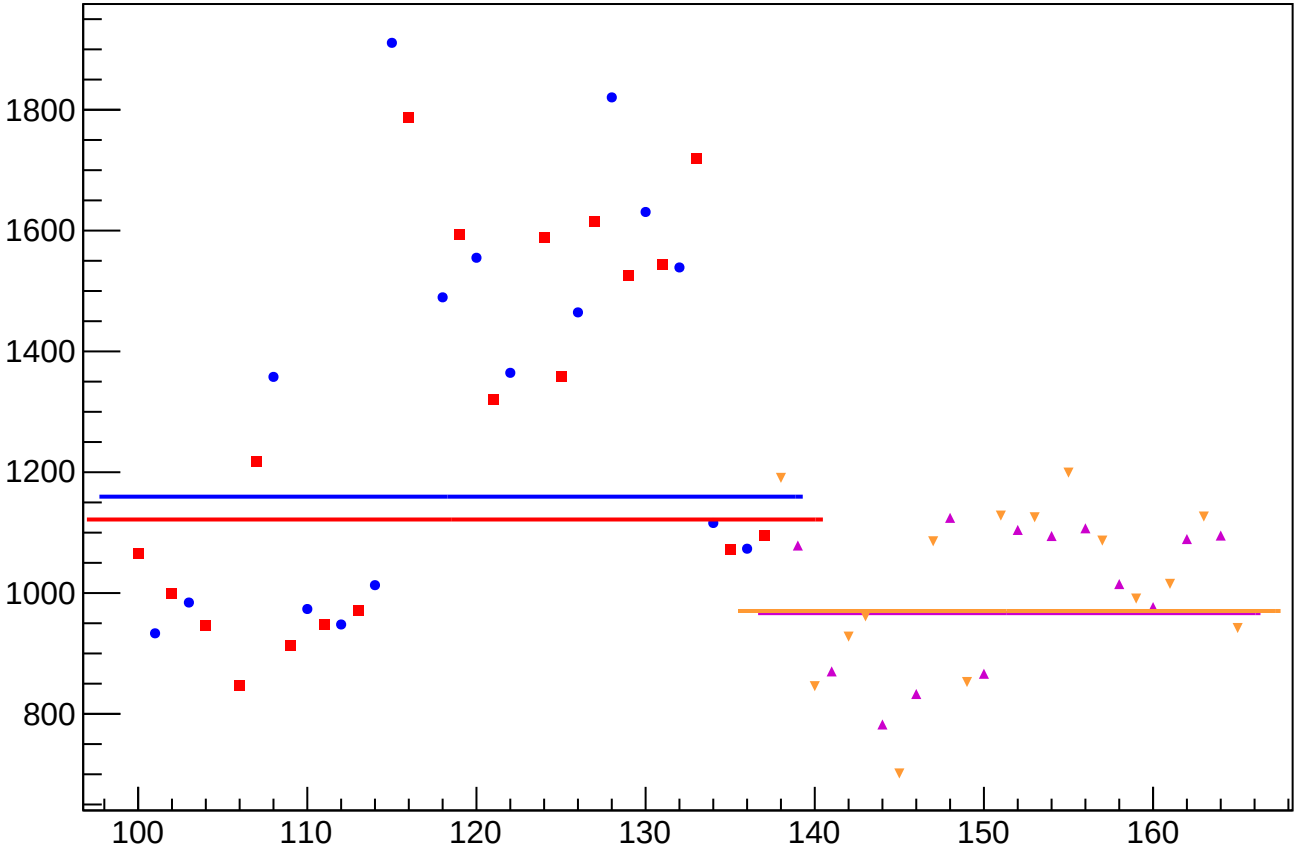
Left In: -406.699+/-295.662 χ^2/NDF:8.7/12

+ sign -1160.054+/-240.799 χ^2/NDF: 46.9/30

All: -901.210+/-170.813 χ^2/NDF: 74.4/62

- sign -639.041+/-242.341 χ^2/NDF: 25.1/31

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 970.306+/-0.203 χ^2/NDF:558705.0/14

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

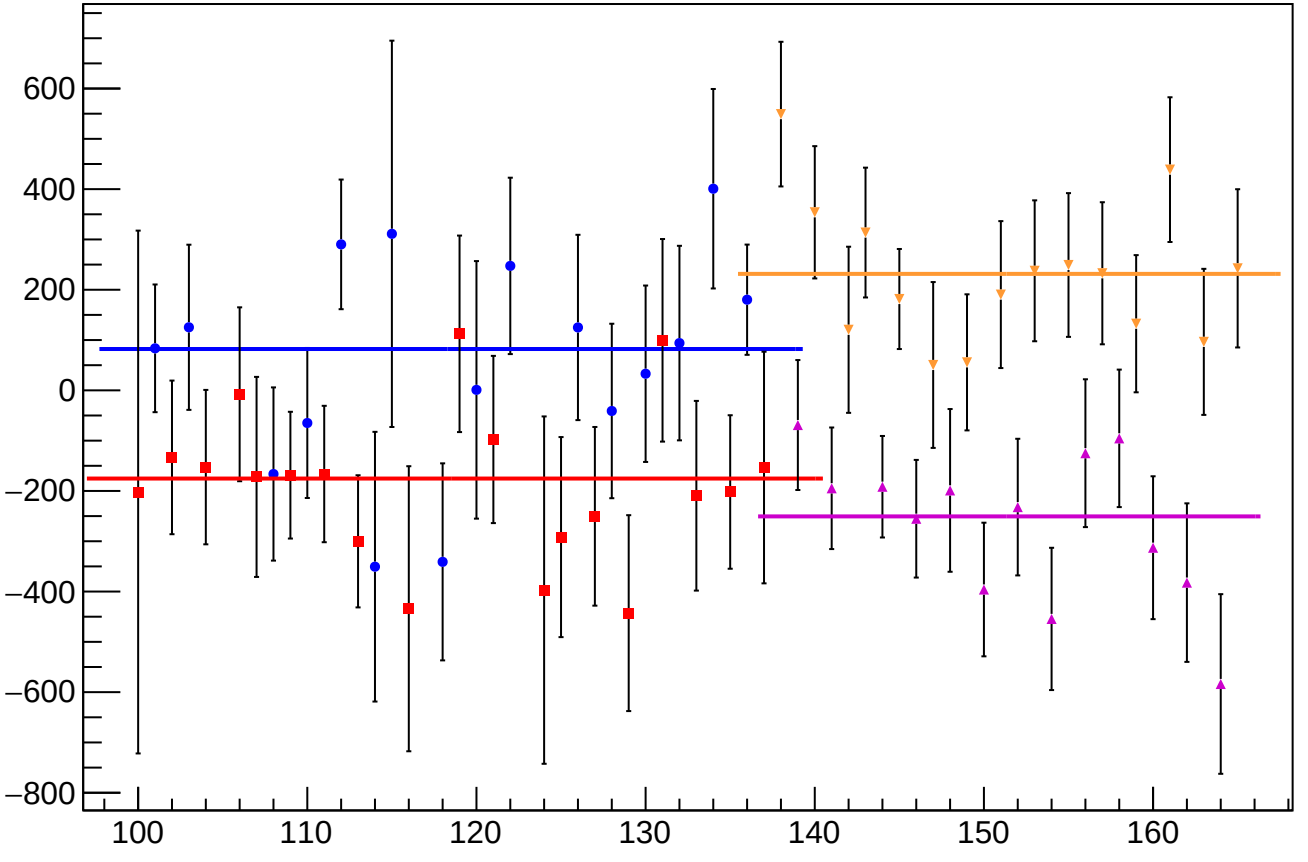
Left In: 966.728+/-0.209 χ^2/NDF:357024.8/12

+ sign 1025.984+/-0.170 χ^2/NDF: 1498935.0/30

All: 1021.819+/-0.121 χ^2/NDF: 2819874.7/62

- sign 1017.602+/-0.171 χ^2/NDF: 1319735.7/31

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.541+/-35.752 χ^2/NDF:13.3/14

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

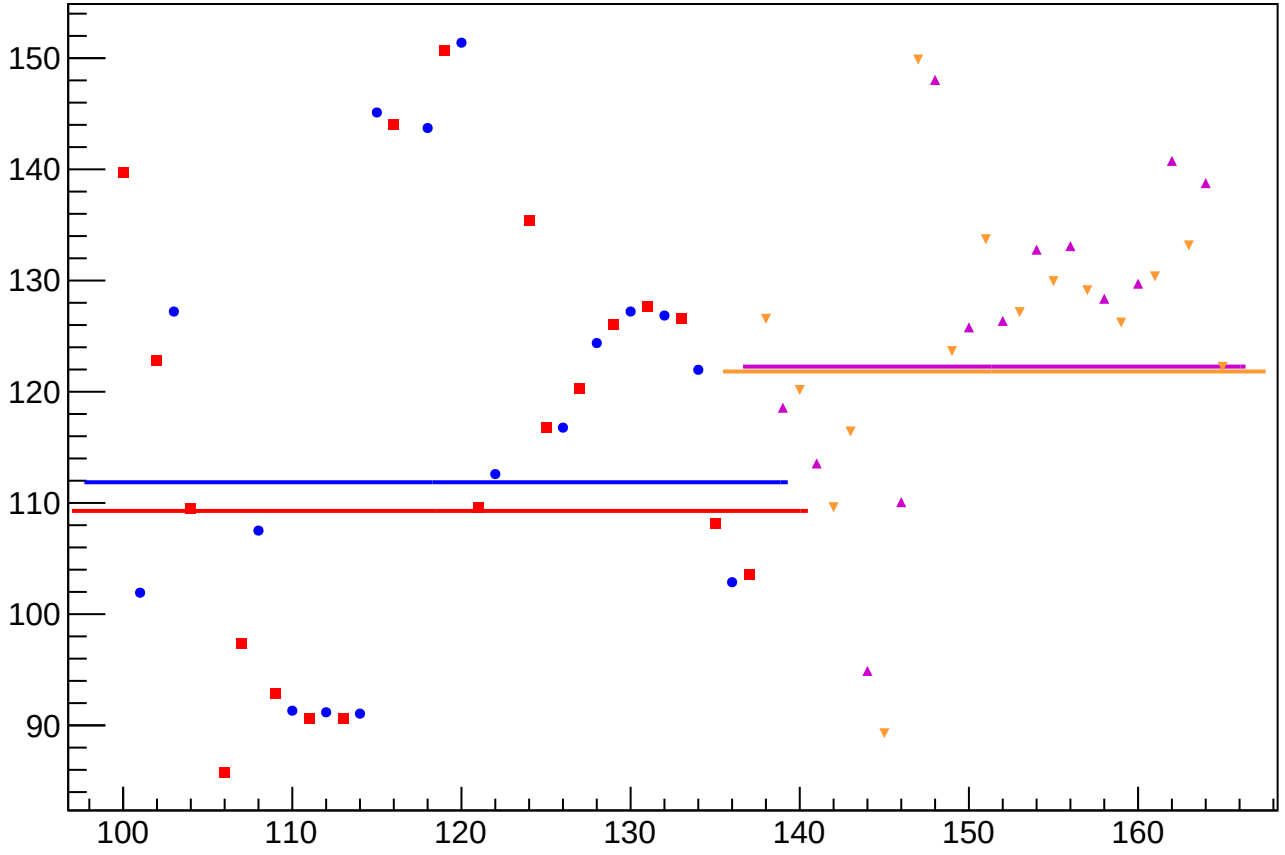
Left In: -250.586+/-37.271 χ^2/NDF:12.3/12

+ sign 169.019+/-27.260 χ^2/NDF: 39.0/30

All: -22.063+/-19.353 χ^2/NDF: 162.2/62

- sign -216.244+/-27.480 χ^2/NDF: 24.1/31

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.821+/-0.025 χ^2/NDF:338483.6/14

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

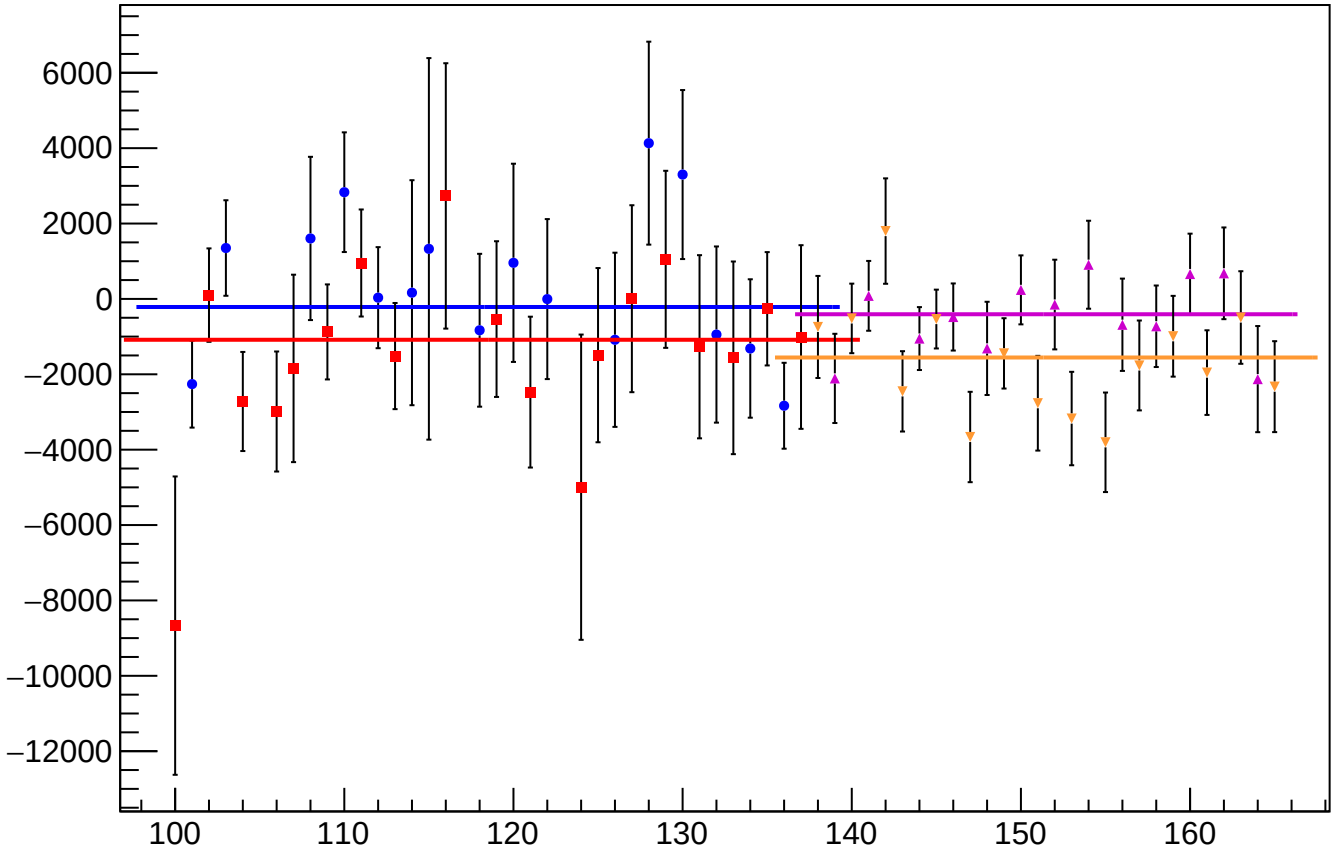
Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

+ sign 117.652+/-0.019 χ^2/NDF: 709471.6/30

All: 117.001+/-0.014 χ^2/NDF: 1504029.7/62

- sign 116.339+/-0.019 χ^2/NDF: 792257.3/31

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1554.286+/-286.621 χ^2/NDF:20.0/14

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

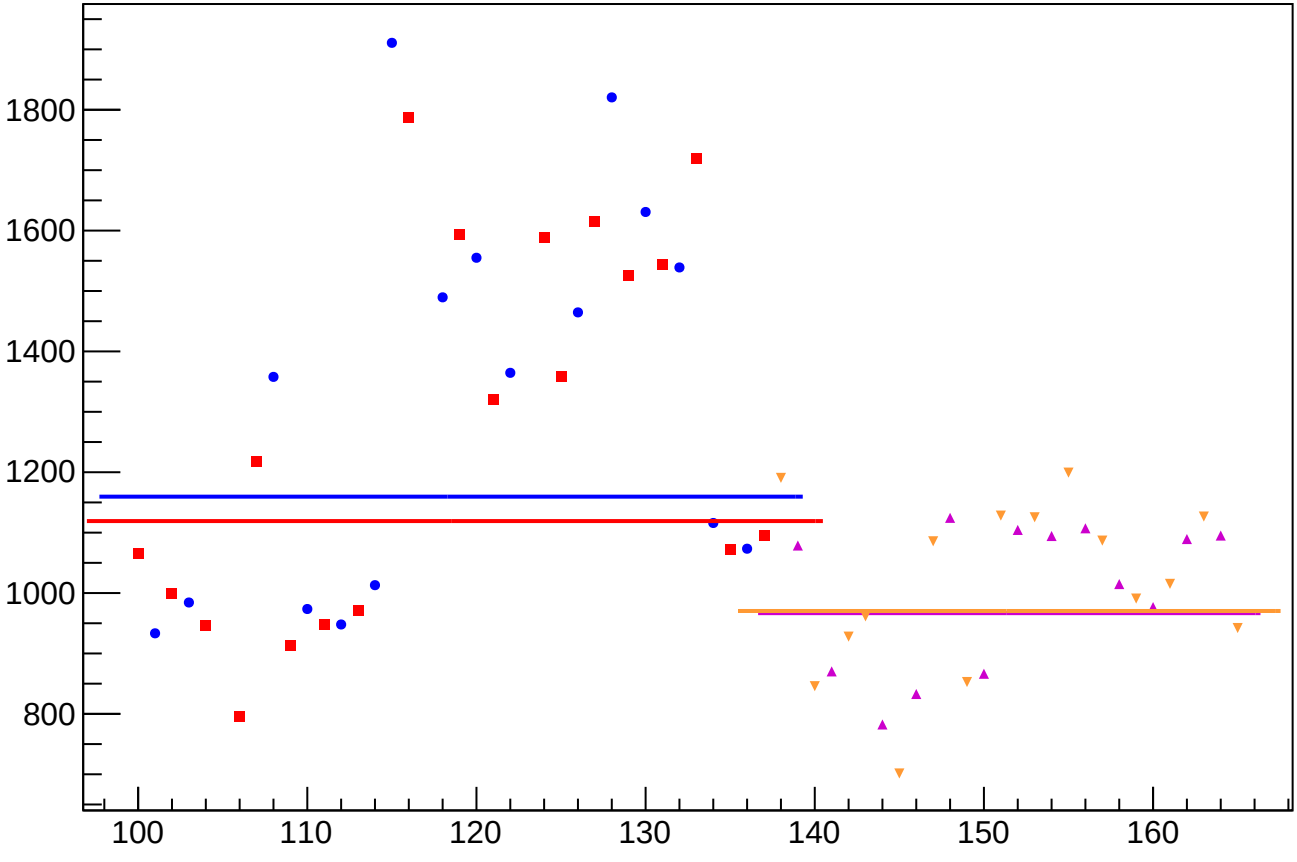
Left In: -406.705+/-295.662 χ^2/NDF:8.7/12

+ sign -1160.083+/-240.799 χ^2/NDF: 46.9/30

All: -896.105+/-170.862 χ^2/NDF: 73.7/62

- sign -628.433+/-242.479 χ^2/NDF: 24.3/31

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 970.306+/-0.203 χ^2/NDF:558706.5/14

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

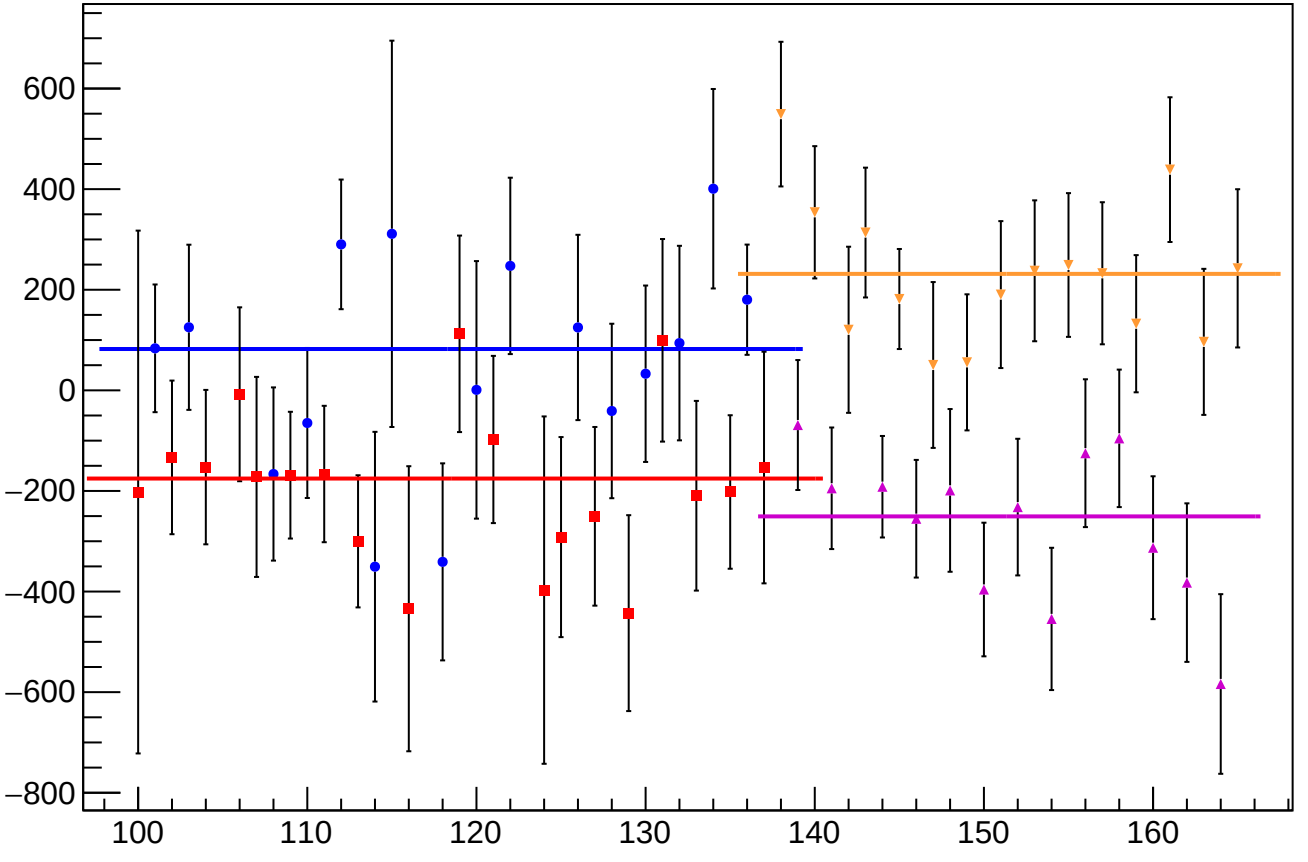
Left In: 966.728+/-0.209 χ^2/NDF:357022.9/12

+ sign 1025.986+/-0.170 χ^2/NDF: 1498929.5/30

All: 1021.342+/-0.121 χ^2/NDF: 2834642.1/62

- sign 1016.633+/-0.171 χ^2/NDF: 1334214.5/31

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.541+/-35.752 χ^2/NDF:13.3/14

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

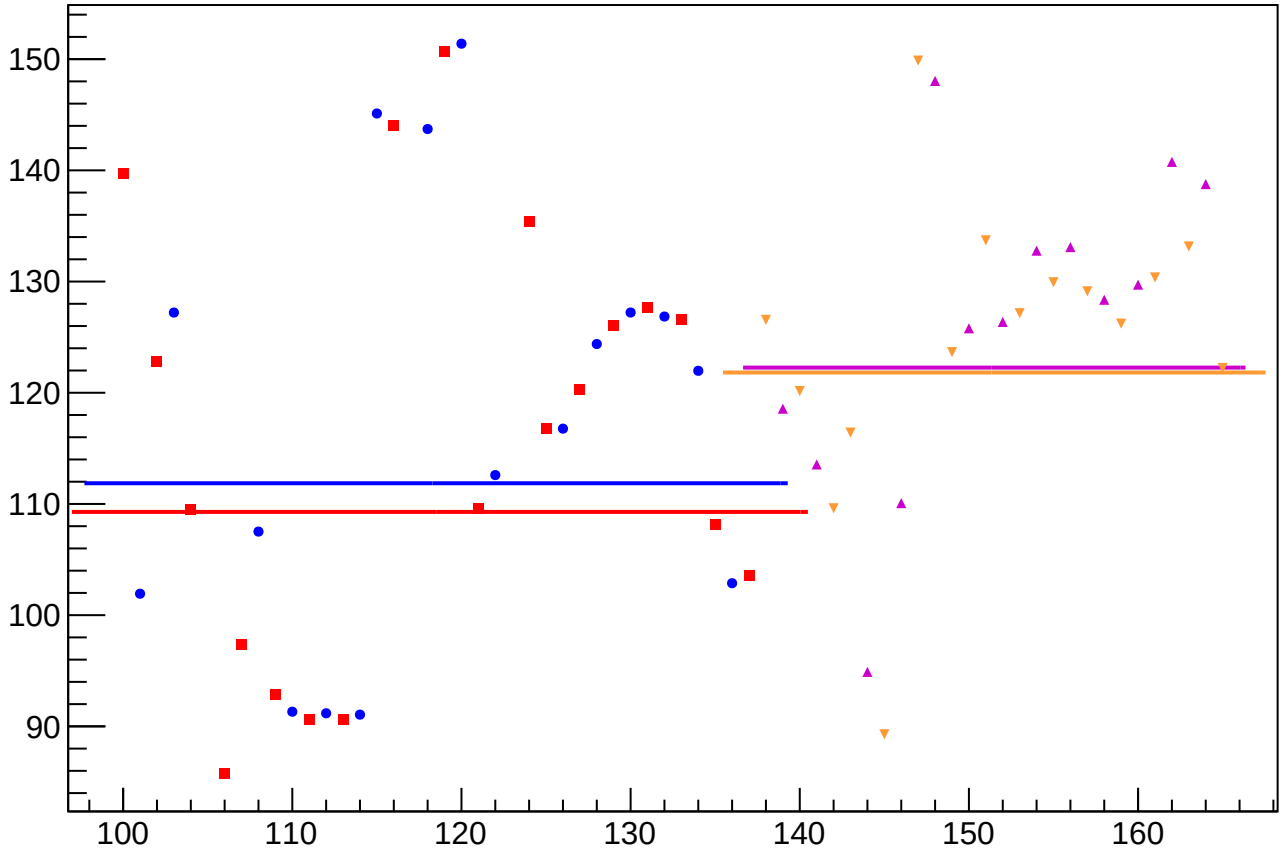
Left In: -250.586+/-37.271 χ^2/NDF:12.3/12

+ sign 169.019+/-27.260 χ^2/NDF: 39.0/30

All: -22.063+/-19.353 χ^2/NDF: 162.2/62

- sign -216.244+/-27.480 χ^2/NDF: 24.1/31

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.821+/-0.025 χ^2/NDF:338483.6/14

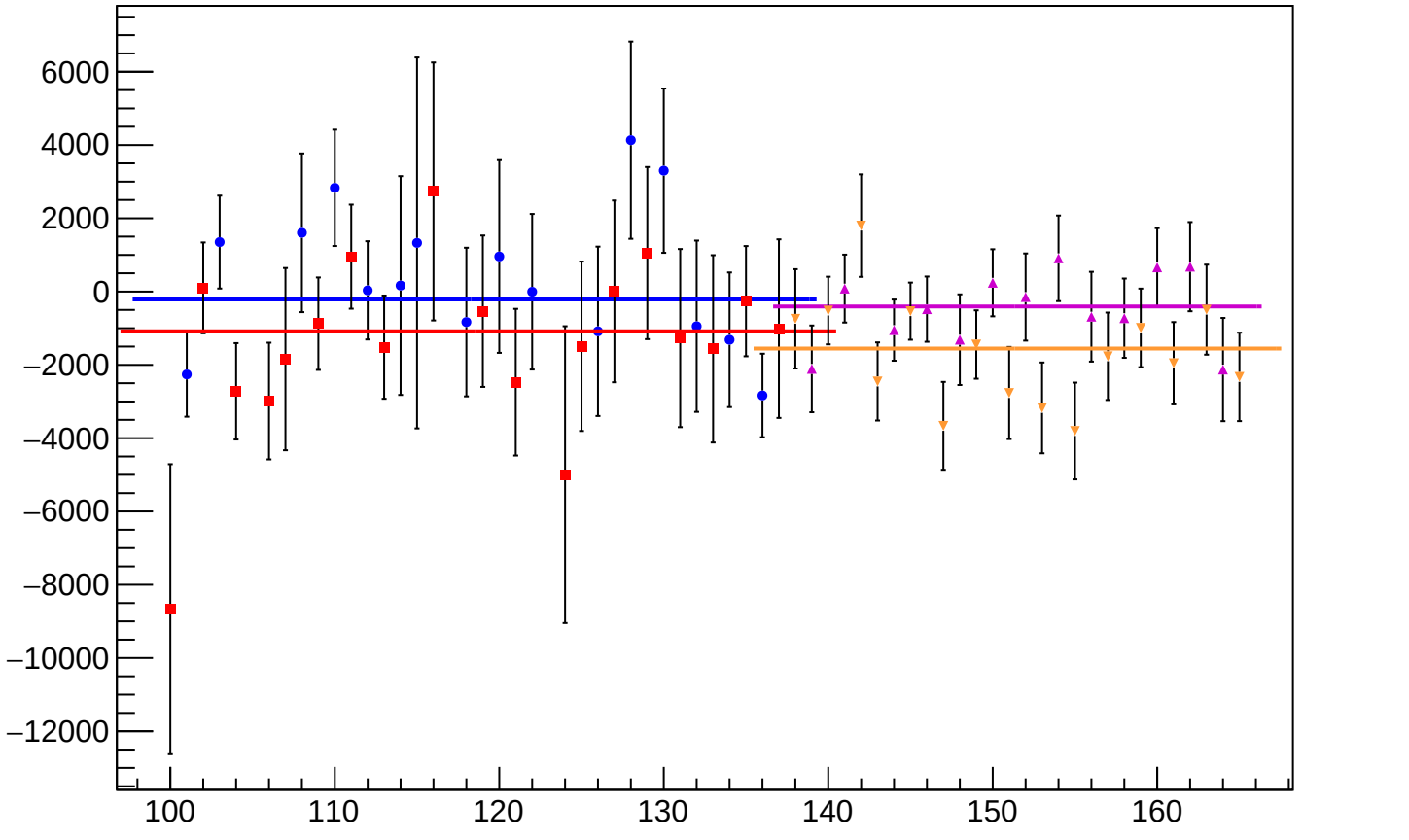
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

+ sign 117.652+/-0.019 χ^2/NDF: 709471.6/30

All: 117.001+/-0.014 χ^2/NDF: 1504029.7/62

- sign 116.339+/-0.019 χ^2/NDF: 792257.3/31



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1554.286+/-286.621 χ^2/NDF:20.0/14

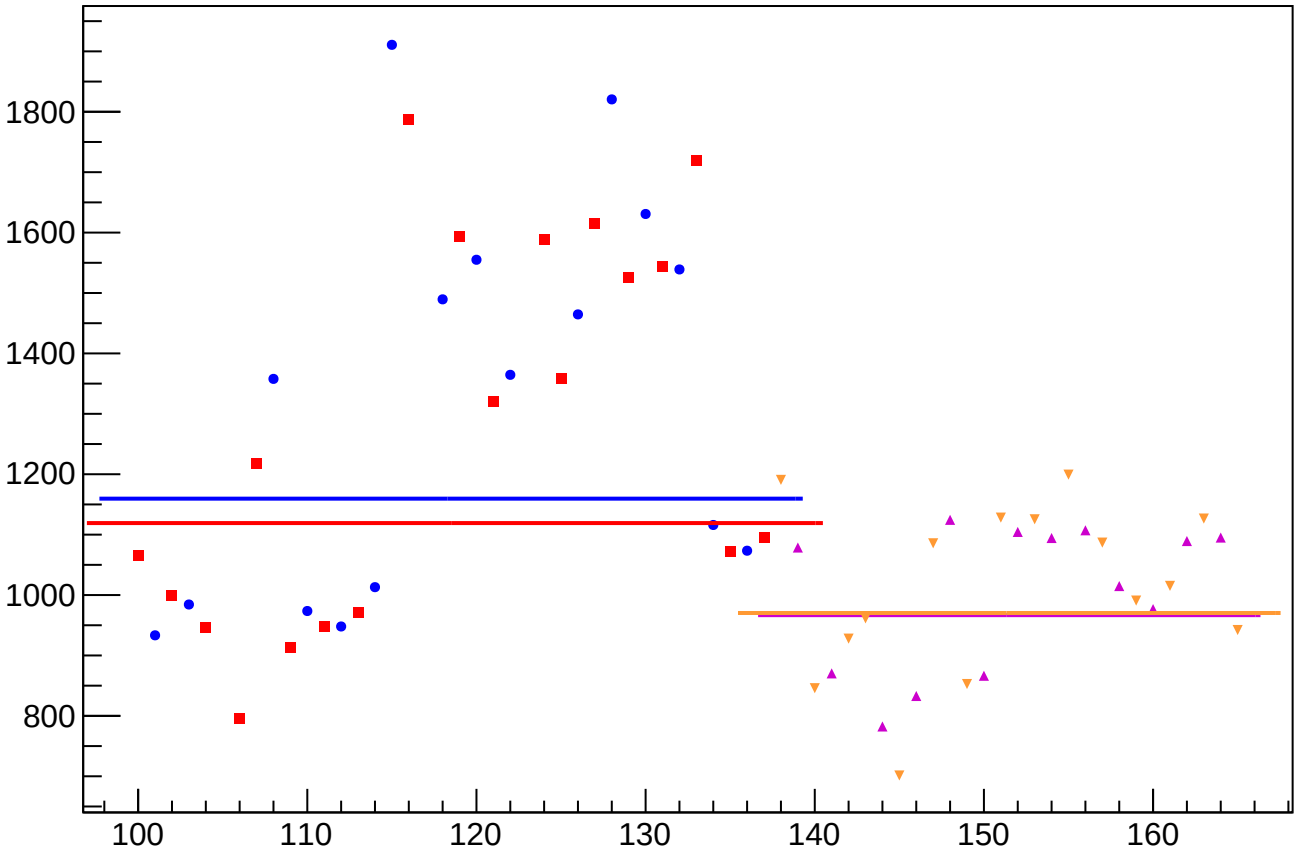
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -406.705+/-295.662 χ^2/NDF:8.7/12

+ sign -1160.083+/-240.799 χ^2/NDF: 46.9/30

All: -896.105+/-170.862 χ^2/NDF: 73.7/62

- sign -628.433+/-242.479 χ^2/NDF: 24.3/31



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 970.306+/-0.203 χ^2/NDF:558706.5/14

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

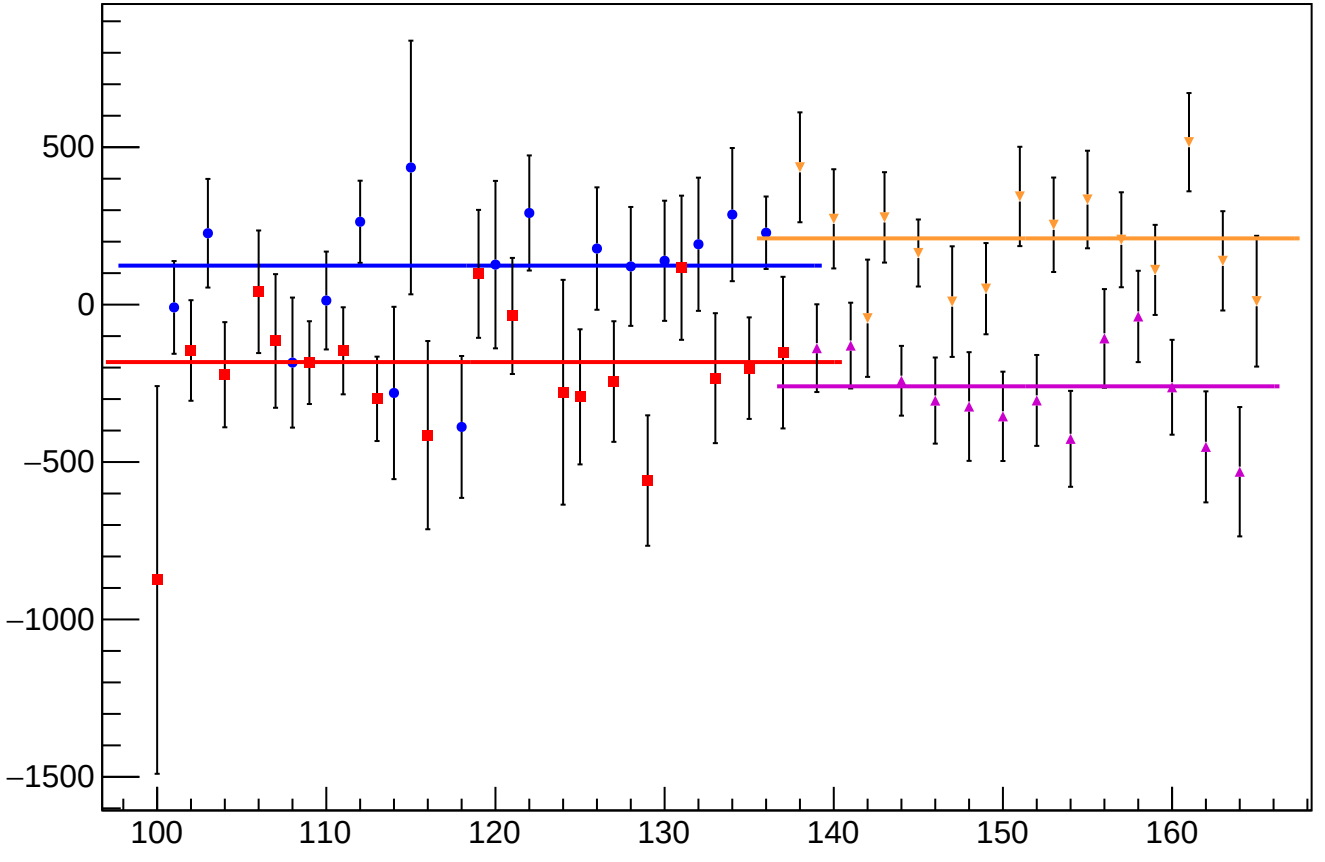
Left In: 966.728+/-0.209 χ^2/NDF:357022.9/12

+ sign 1025.986+/-0.170 χ^2/NDF: 1498929.5/30

All: 1021.342+/-0.121 χ^2/NDF: 2834642.1/62

- sign 1016.633+/-0.171 χ^2/NDF: 1334214.5/31

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.416+/-39.461 χ^2/NDF:13.5/14

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

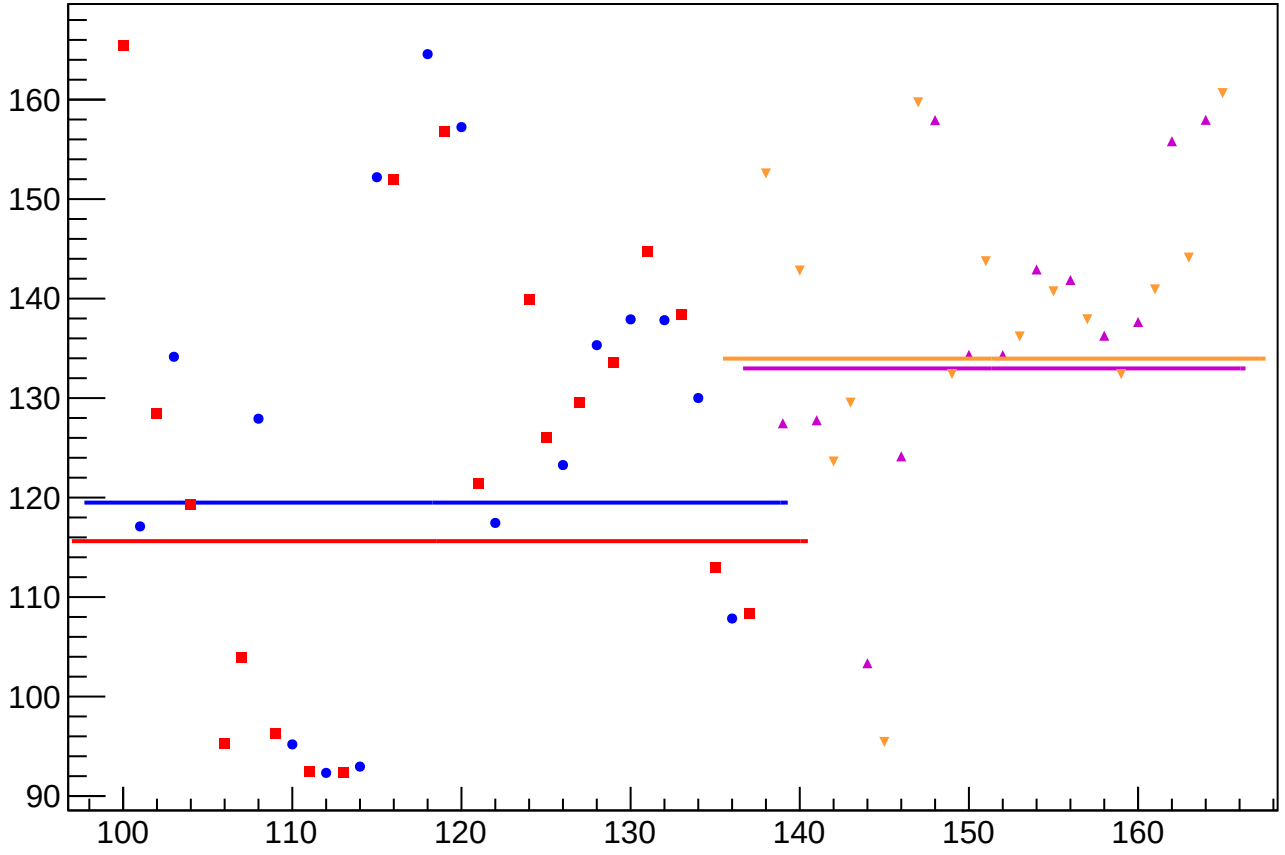
Left In: -259.480+/-40.732 χ^2/NDF:9.9/12

+ sign 173.029+/-29.737 χ^2/NDF: 31.0/30

All: -25.737+/-20.994 χ^2/NDF: 143.9/62

- sign -223.258+/-29.644 χ^2/NDF: 23.9/31

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.967+/-0.028 χ^2/NDF:401026.6/14

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

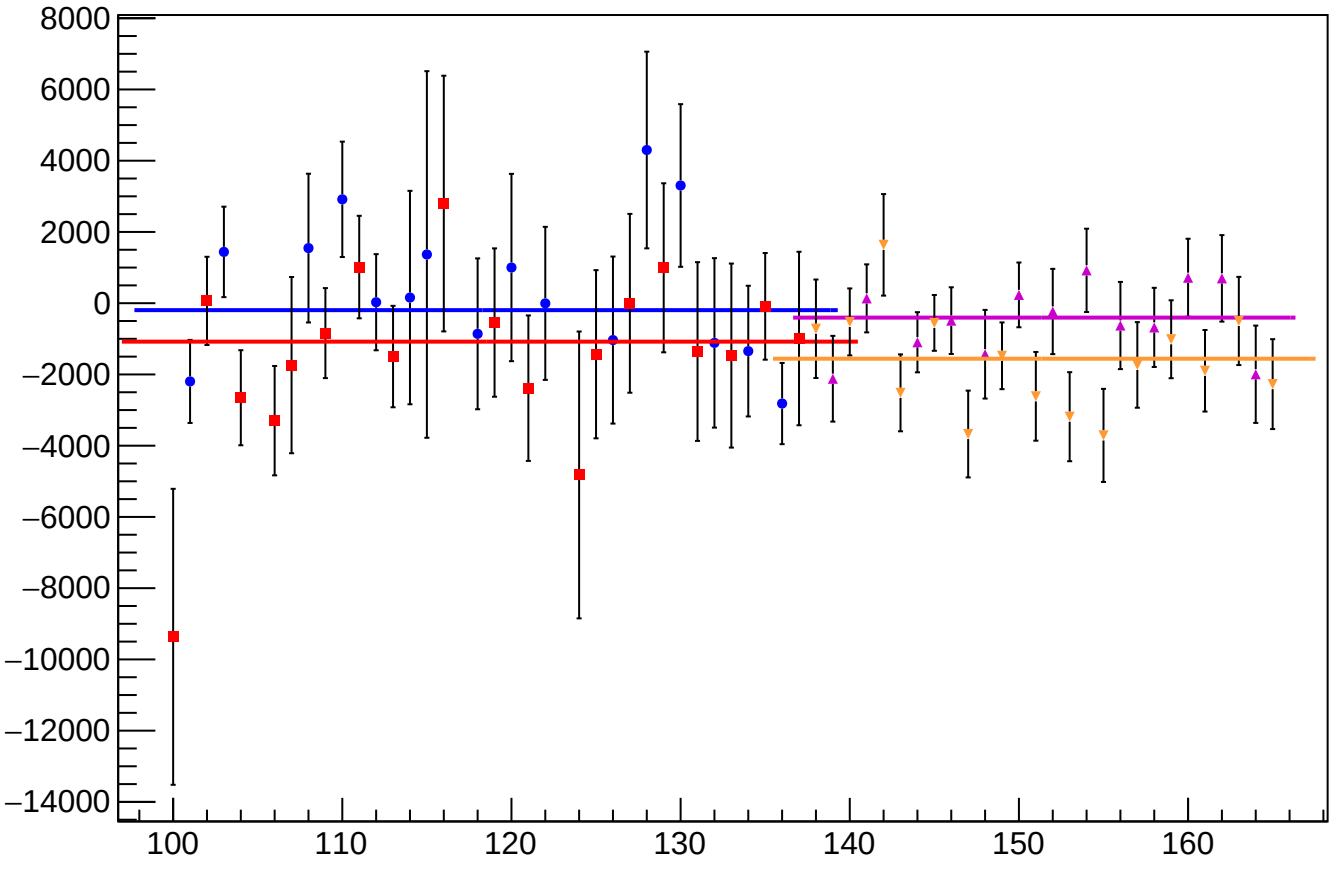
Left In: 132.981+/-0.029 χ^2/NDF:280619.2/12

+ sign 127.713+/-0.021 χ^2/NDF: 897516.4/30

All: 126.260+/-0.015 χ^2/NDF: 1785476.4/62

- sign 124.816+/-0.021 χ^2/NDF: 878439.9/31

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1558.161+/-289.995 χ^2/NDF:18.6/14

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

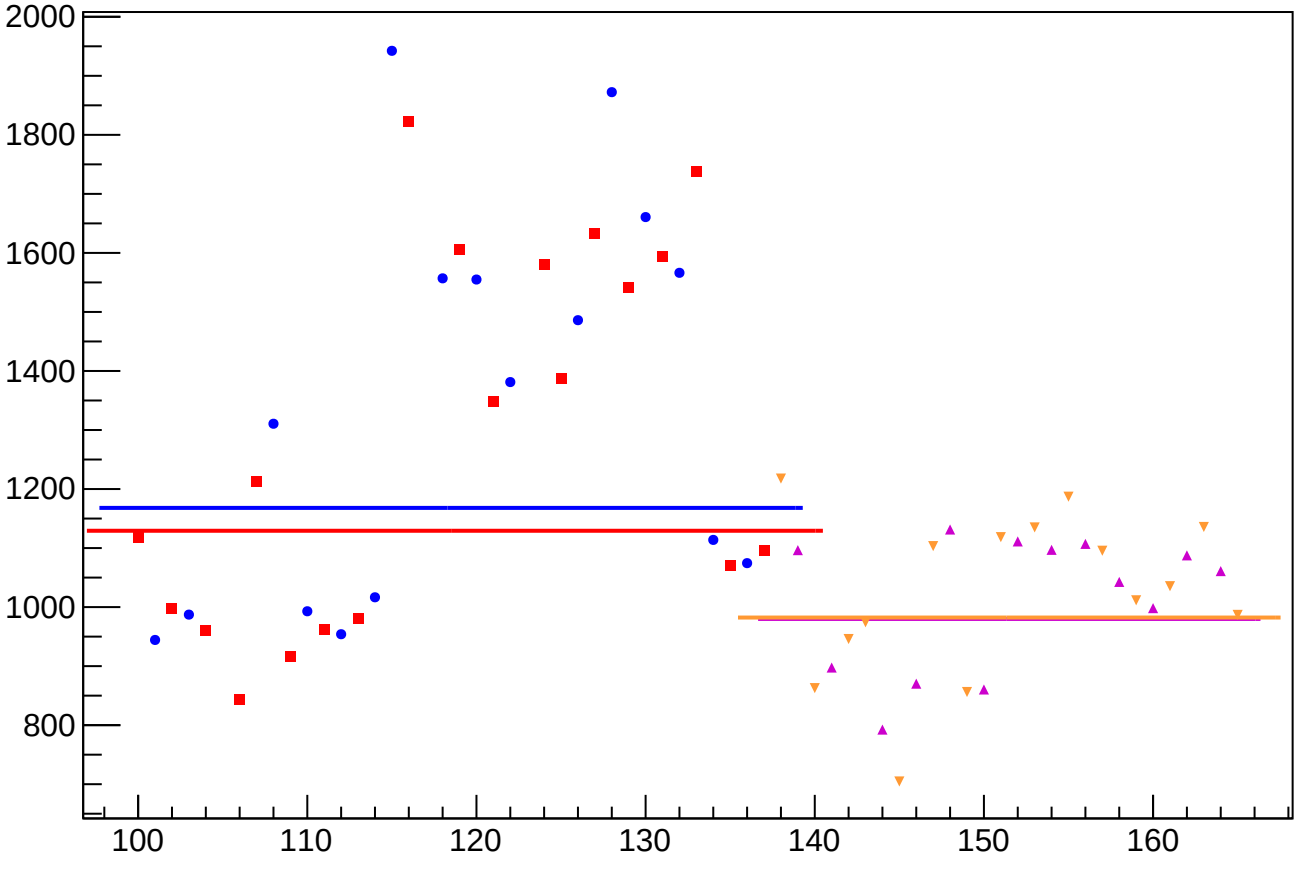
Left In: -404.744+/-299.540 χ^2/NDF:8.8/12

+ sign -1154.822+/-243.336 χ^2/NDF: 45.5/30

All: -893.219+/-172.657 χ^2/NDF: 72.9/62

- sign -627.981+/-245.021 χ^2/NDF: 25.1/31

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 982.307+/-0.205 χ^2/NDF:556263.8/14

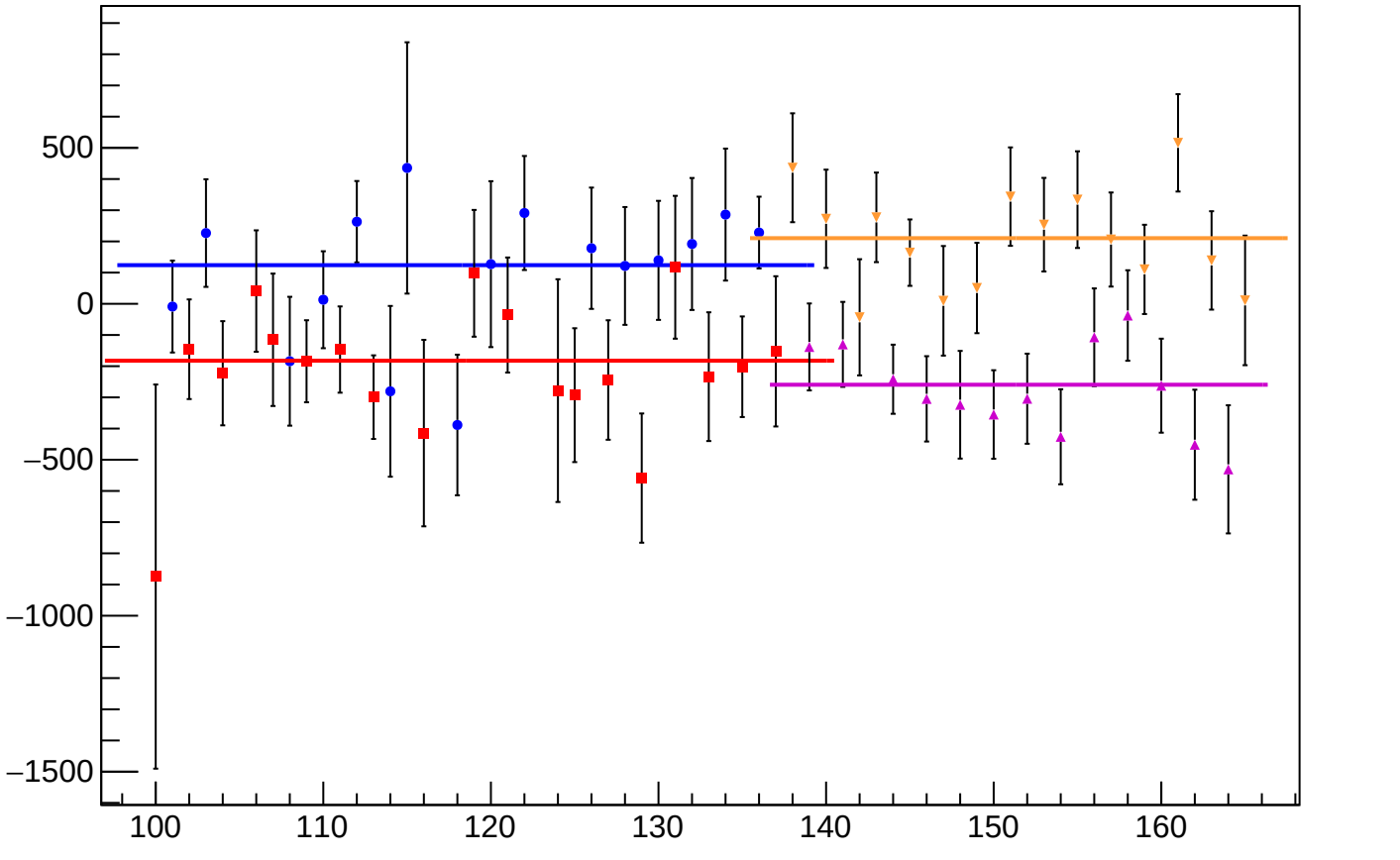
Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 979.945+/-0.212 χ^2/NDF:319284.0/12

+ sign 1037.273+/-0.172 χ^2/NDF: 1508446.8/30

All: 1033.349+/-0.122 χ^2/NDF: 2800566.6/62

- sign 1029.371+/-0.173 χ^2/NDF: 1291072.7/31



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.418+/-39.461 χ^2/NDF:13.5/14

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

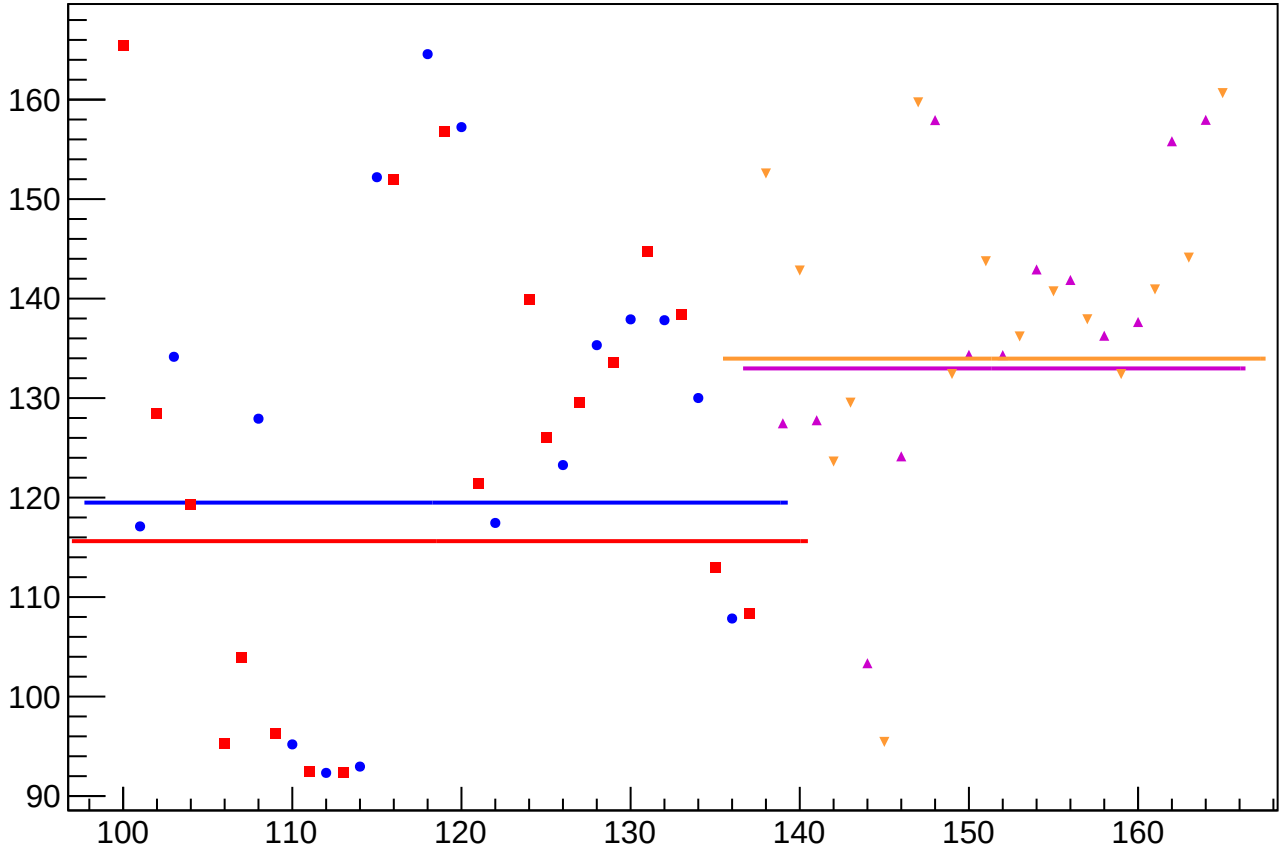
Left In: -259.481+/-40.732 χ^2/NDF:9.9/12

+ sign 173.030+/-29.737 χ^2/NDF: 31.0/30

All: -25.736+/-20.994 χ^2/NDF: 143.9/62

- sign -223.258+/-29.644 χ^2/NDF: 23.9/31

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 133.967+/-0.028 χ^2/NDF:401027.0/14

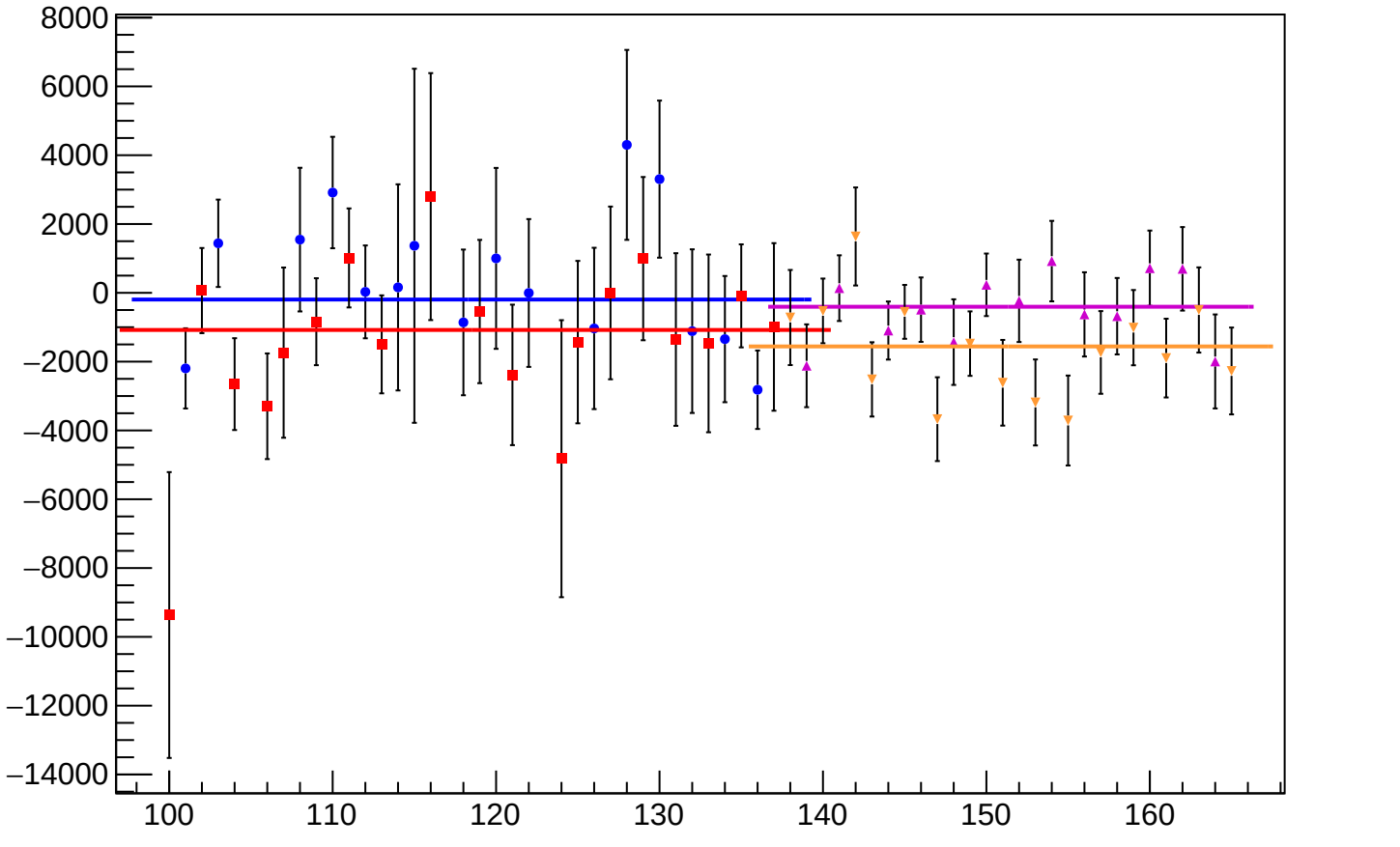
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.981+/-0.029 χ^2/NDF:280618.0/12

+ sign 127.713+/-0.021 χ^2/NDF: 897521.2/30

All: 126.260+/-0.015 χ^2/NDF: 1785487.6/62

- sign 124.816+/-0.021 χ^2/NDF: 878446.1/31



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1558.159+/-289.995 χ^2/NDF:18.6/14

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

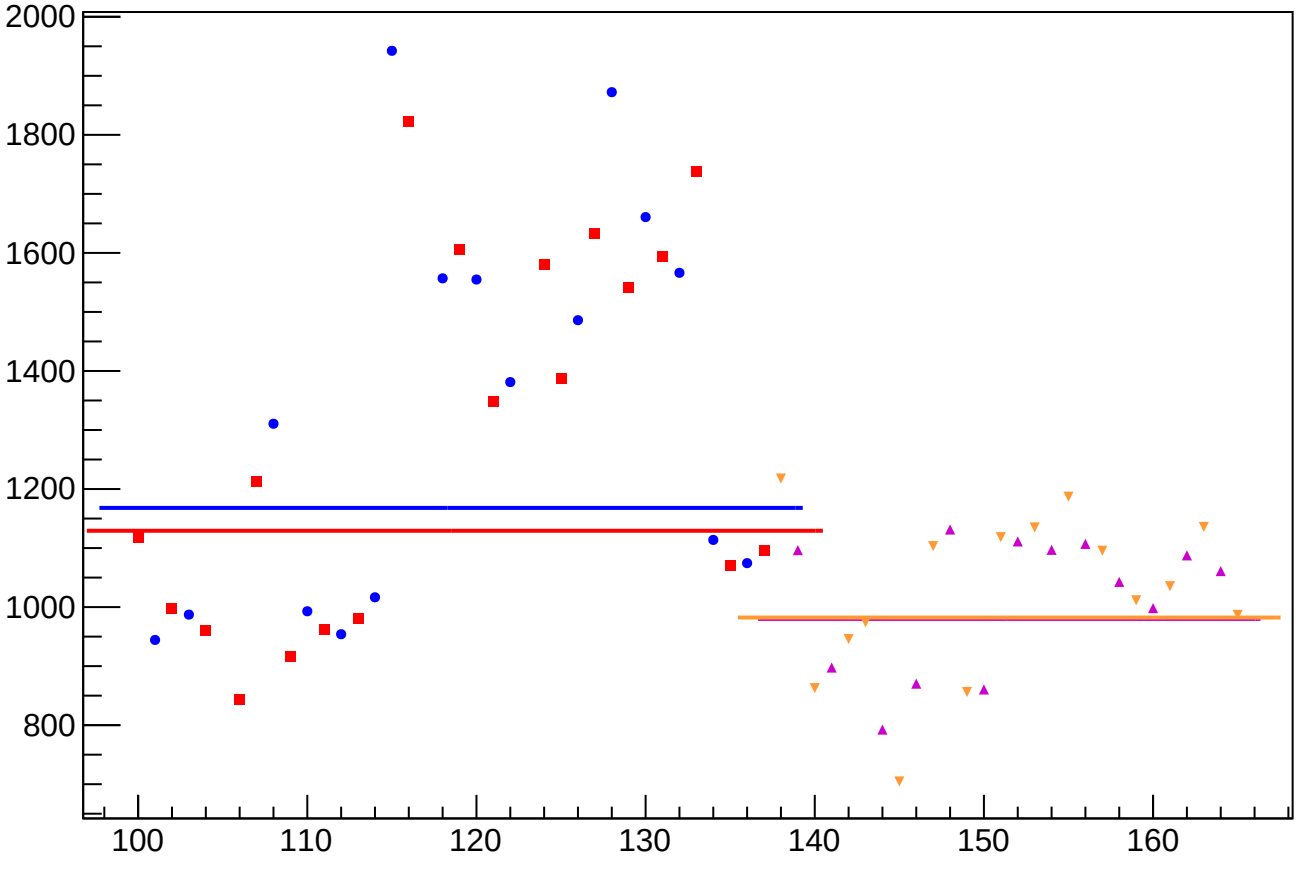
Left In: -404.743+/-299.540 χ^2/NDF:8.8/12

+ sign -1154.821+/-243.336 χ^2/NDF: 45.5/30

All: -893.218+/-172.657 χ^2/NDF: 72.9/62

- sign -627.981+/-245.021 χ^2/NDF: 25.1/31

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 982.306+/-0.205 χ^2/NDF:556267.3/14

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

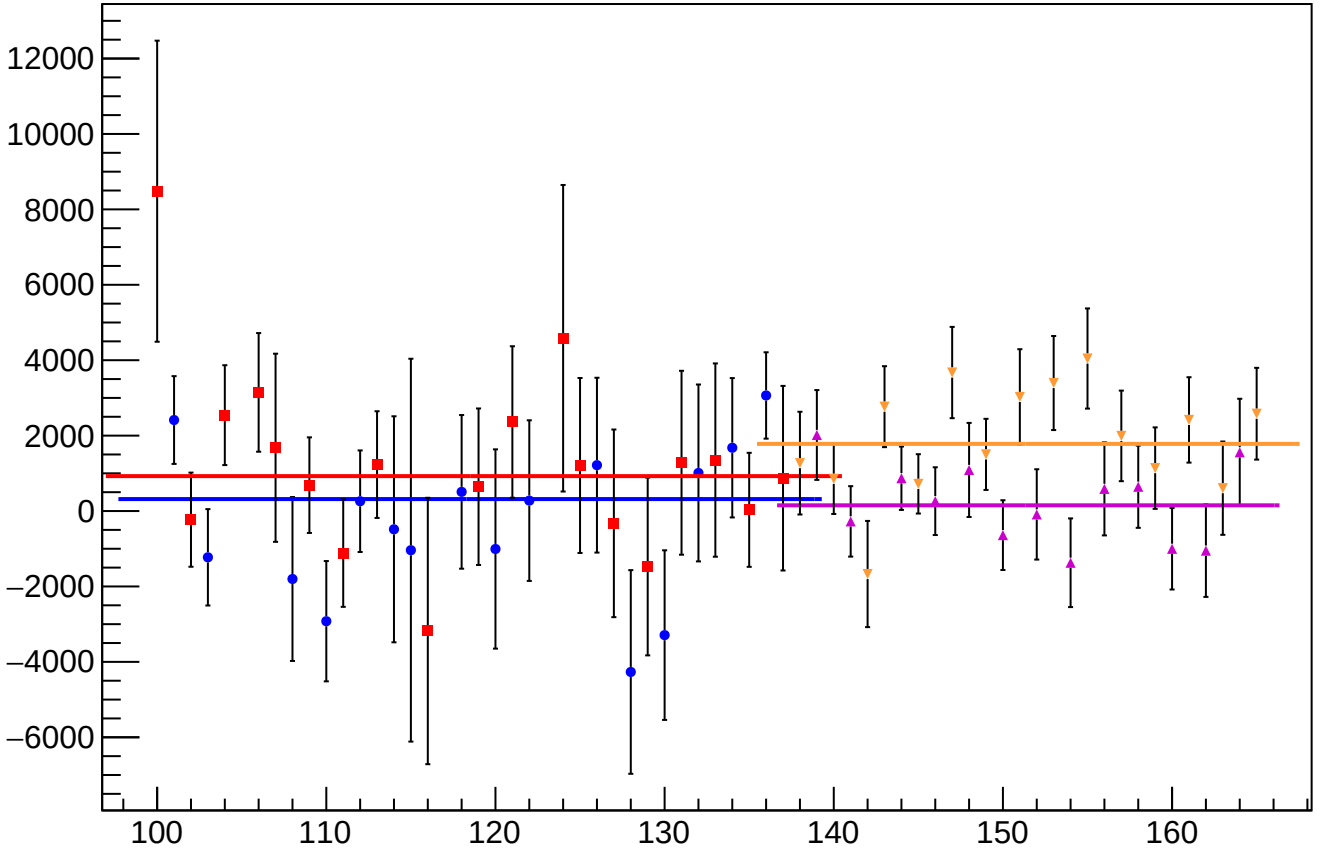
Left In: 979.945+/-0.212 χ^2/NDF:319282.3/12

+ sign 1037.272+/-0.172 χ^2/NDF: 1508453.6/30

All: 1033.349+/-0.122 χ^2/NDF: 2800572.9/62

- sign 1029.371+/-0.173 χ^2/NDF: 1291072.3/31

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1781.113+/-288.958 χ^2/NDF:19.9/14

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

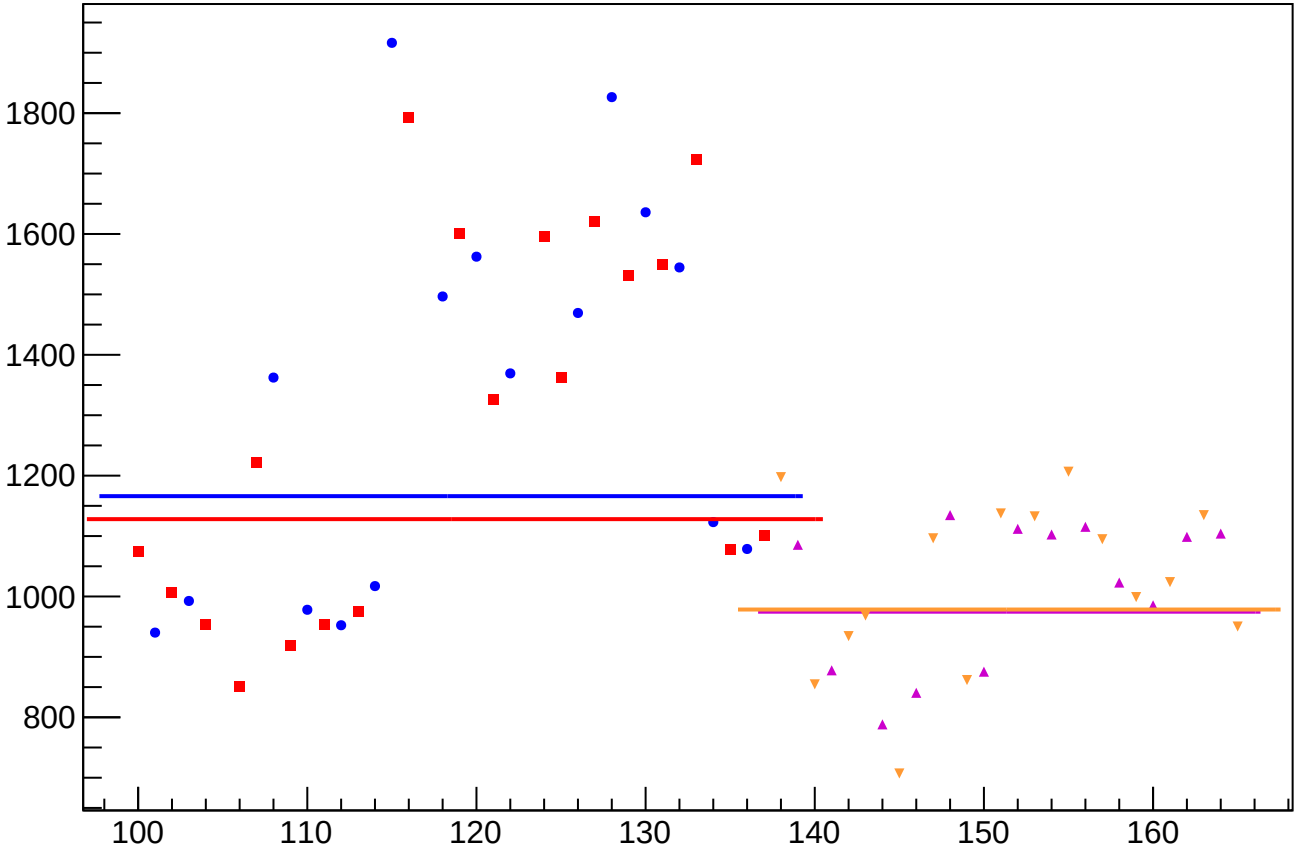
Left In: 151.922+/-298.099 χ^2/NDF:9.8/12

+ sign 1348.813+/-242.564 χ^2/NDF: 49.7/30

All: 880.862+/-172.069 χ^2/NDF: 83.7/62

- sign 406.859+/-244.127 χ^2/NDF: 26.6/31

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 978.397+/-0.204 χ^2/NDF:553447.0/14

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

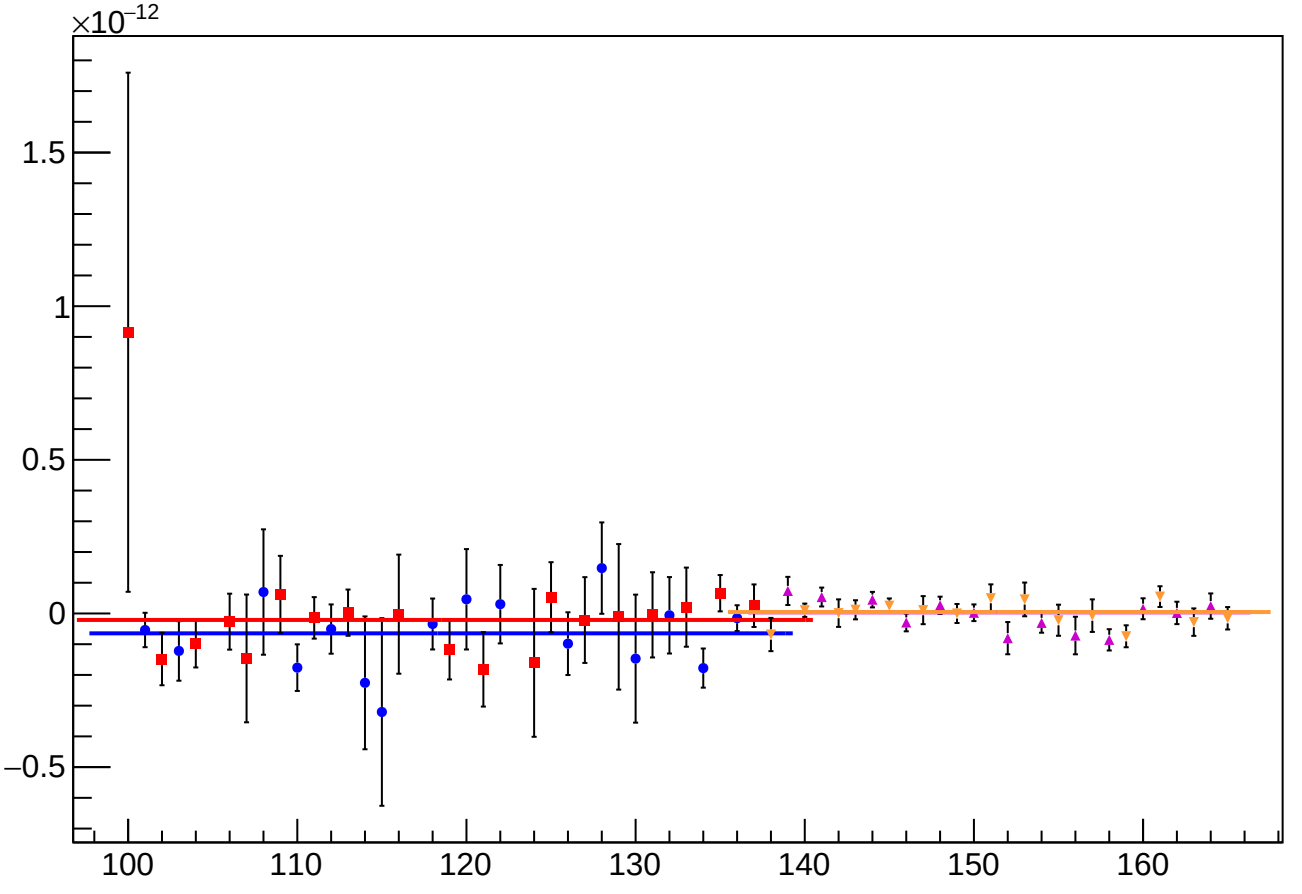
Left In: 974.815+/-0.211 χ^2/NDF:354744.4/12

+ sign 1033.820+/-0.172 χ^2/NDF: 1479635.8/30

All: 1029.570+/-0.122 χ^2/NDF: 2785324.5/62

- sign 1025.265+/-0.173 χ^2/NDF: 1304452.8/31

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/14

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

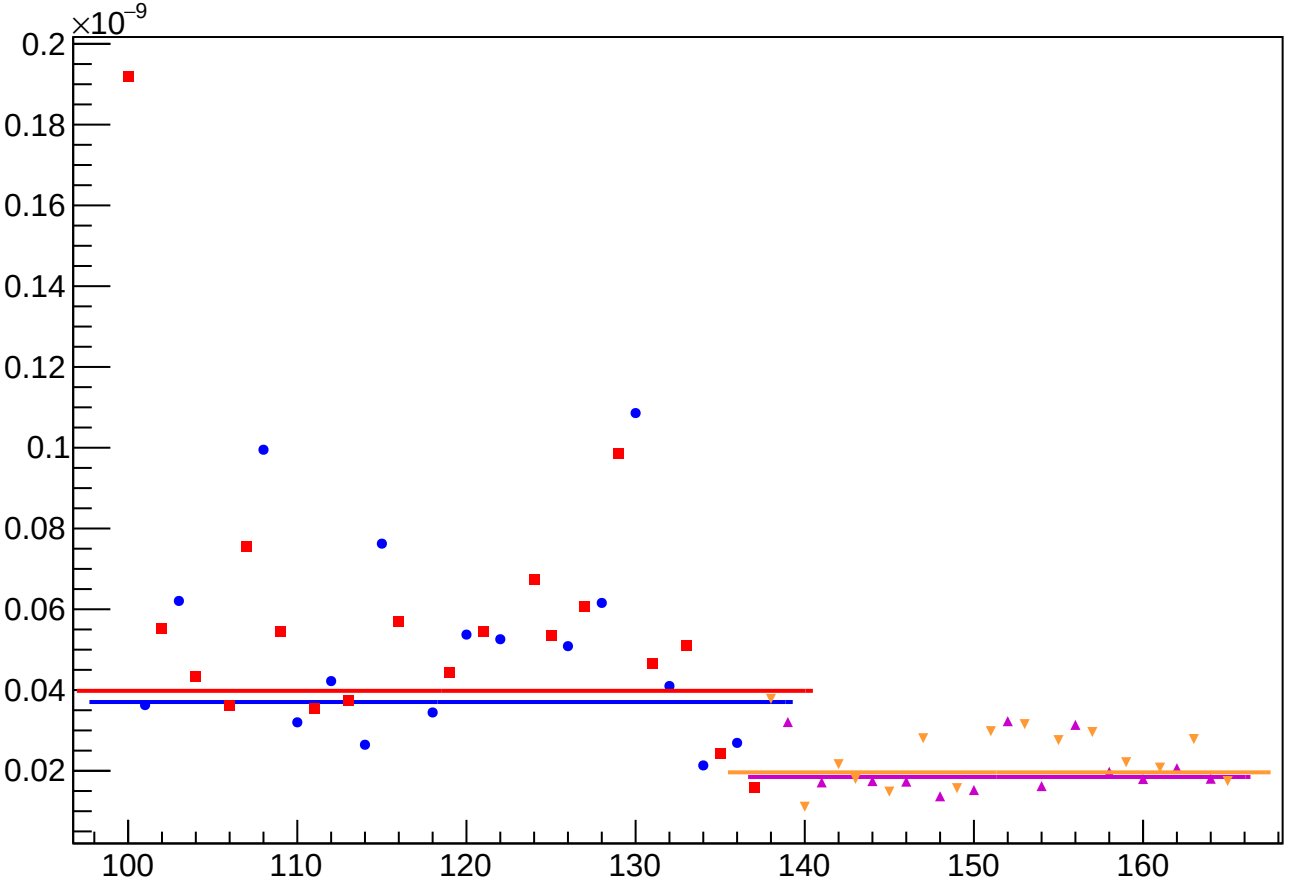
Left In: 0.000+/-0.000 χ^2/NDF:21.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 33.6/30

All: -0.000+/-0.000 χ^2/NDF: 68.2/62

- sign 0.000+/-0.000 χ^2/NDF: 34.4/31

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:1129346.0/14

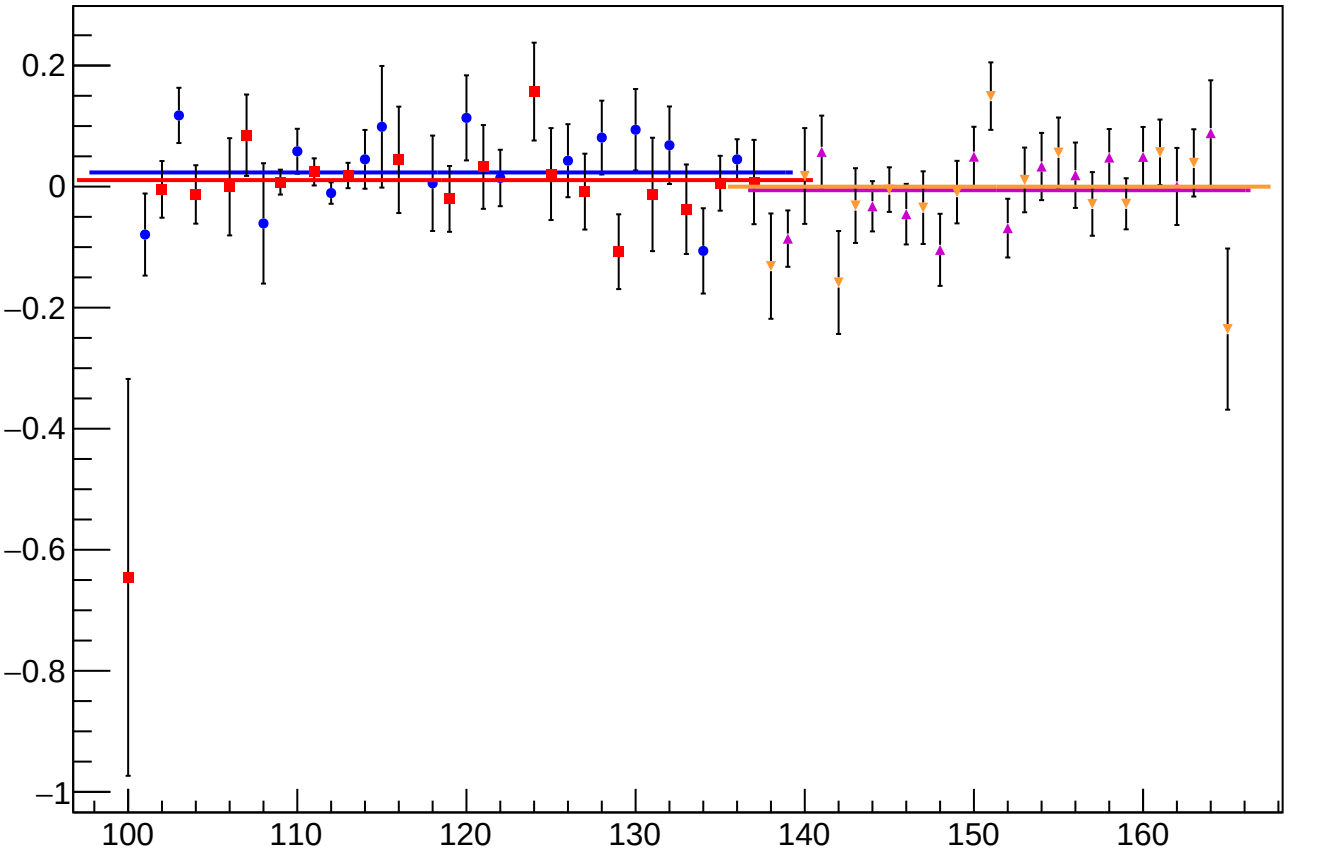
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:521152.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 3204185.1/30

All: 0.000+/-0.000 χ^2/NDF: 6104684.6/62

- sign 0.000+/-0.000 χ^2/NDF: 2891545.5/31



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.000+/-0.015 χ^2/NDF:20.1/14

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

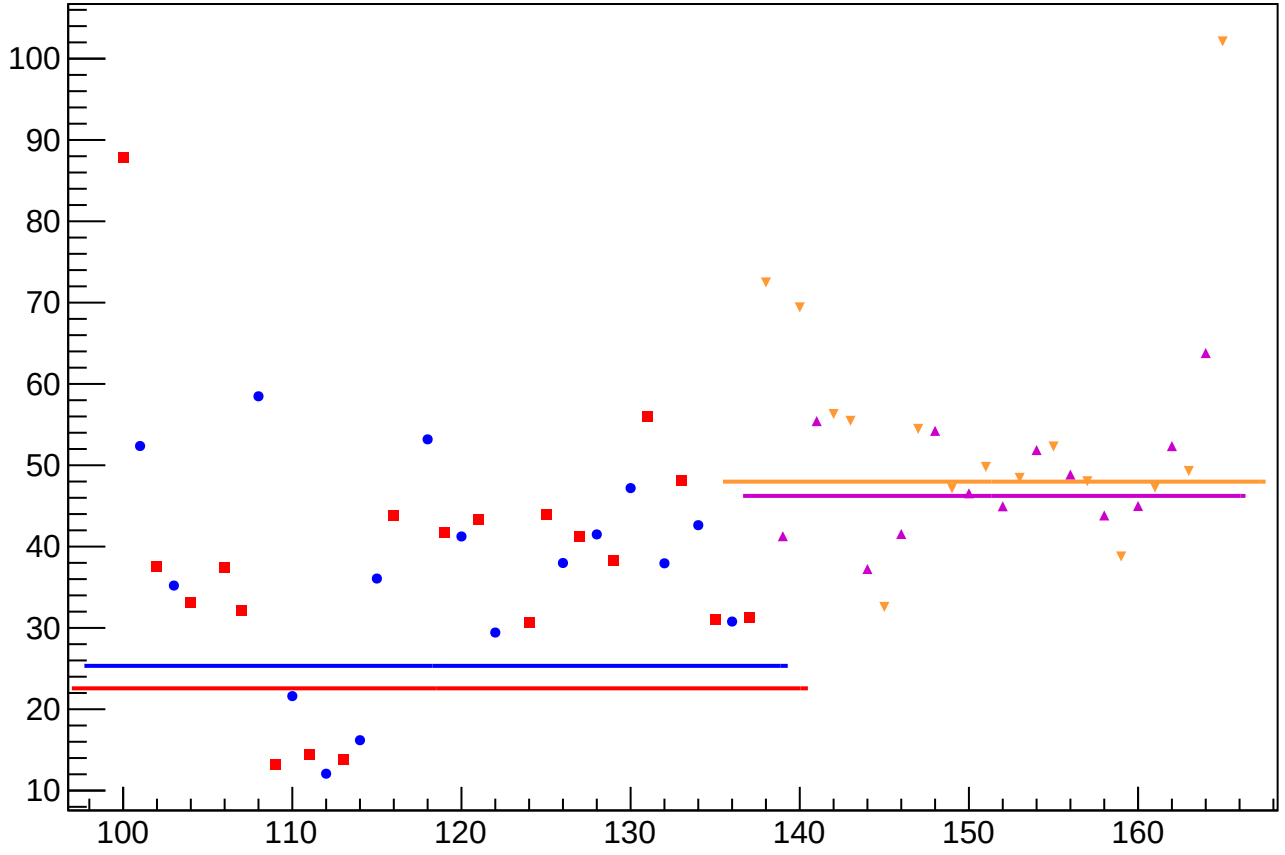
Left In: -0.006+/-0.015 χ^2/NDF:15.2/12

+ sign 0.015+/-0.009 χ^2/NDF: 42.5/30

All: 0.010+/-0.006 χ^2/NDF: 73.4/62

- sign 0.005+/-0.008 χ^2/NDF: 30.4/31

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168070.3/14

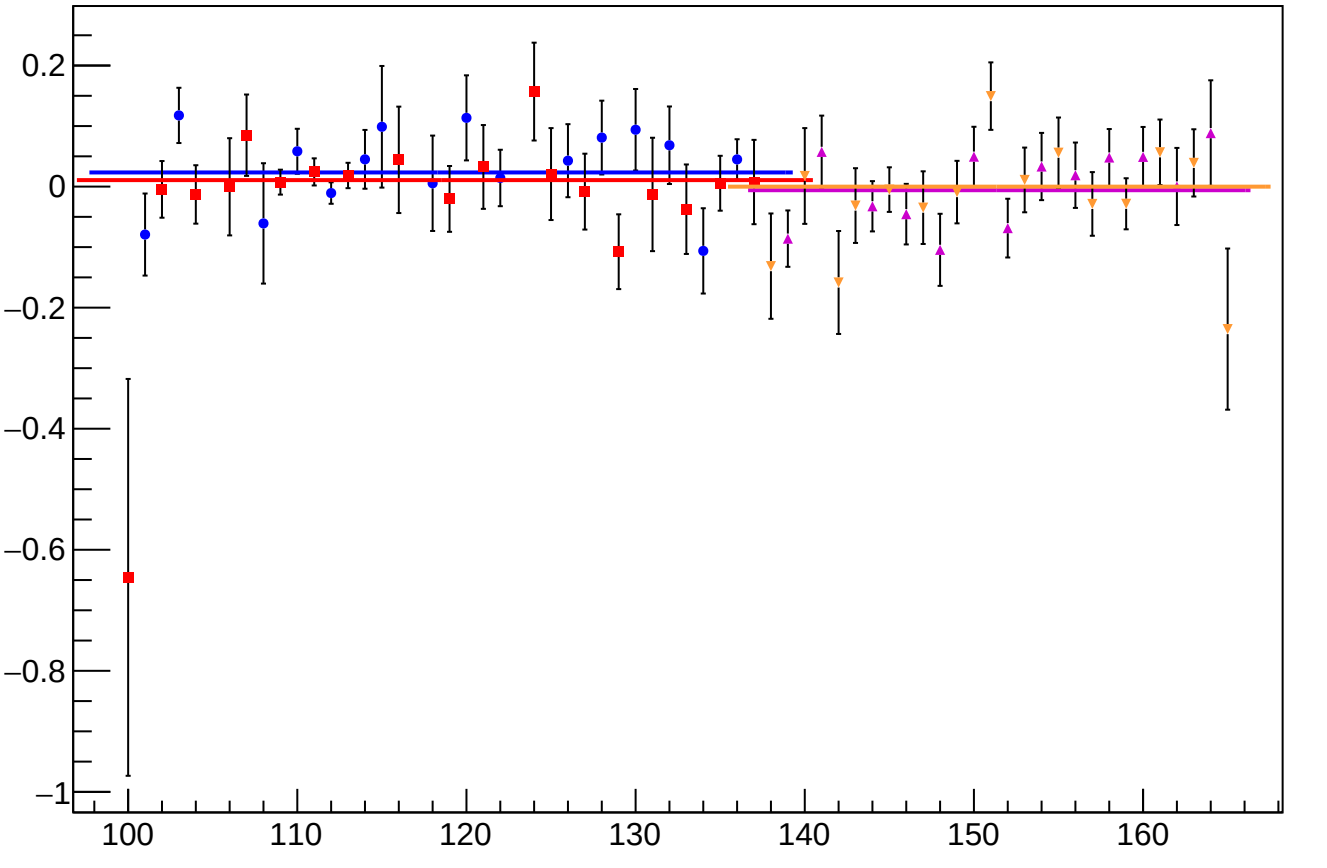
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.234+/-0.010 χ^2/NDF:349926.7/12

+ sign 33.607+/-0.006 χ^2/NDF: 7152529.8/30

All: 31.644+/-0.004 χ^2/NDF: 14473877.1/62

- sign 29.978+/-0.006 χ^2/NDF: 7138204.9/31



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.000+/-0.015 χ^2/NDF:20.1/14

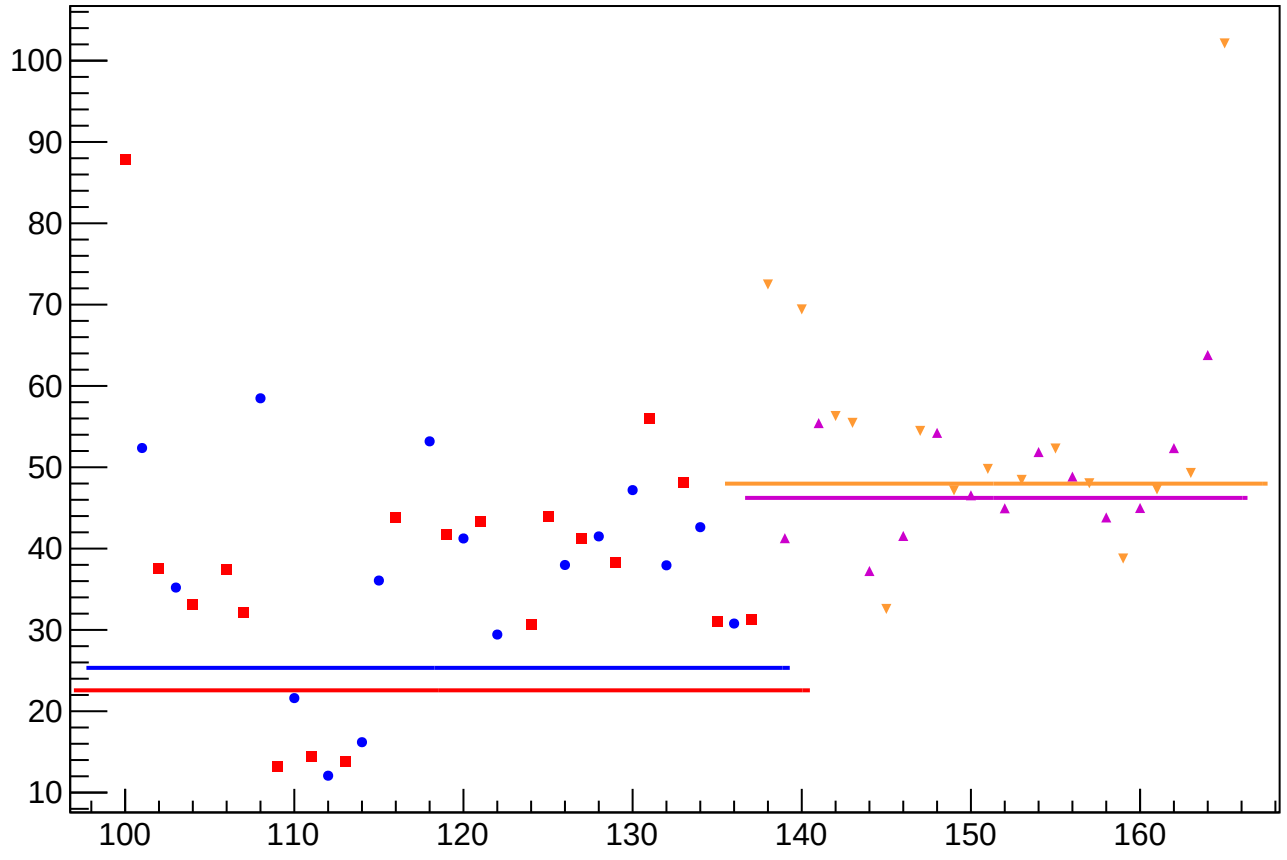
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.015 χ^2/NDF:15.2/12

+ sign 0.015+/-0.009 χ^2/NDF: 42.5/30

All: 0.010+/-0.006 χ^2/NDF: 73.4/62

- sign 0.005+/-0.008 χ^2/NDF: 30.4/31



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.987+/-0.010 χ^2/NDF:1168070.3/14

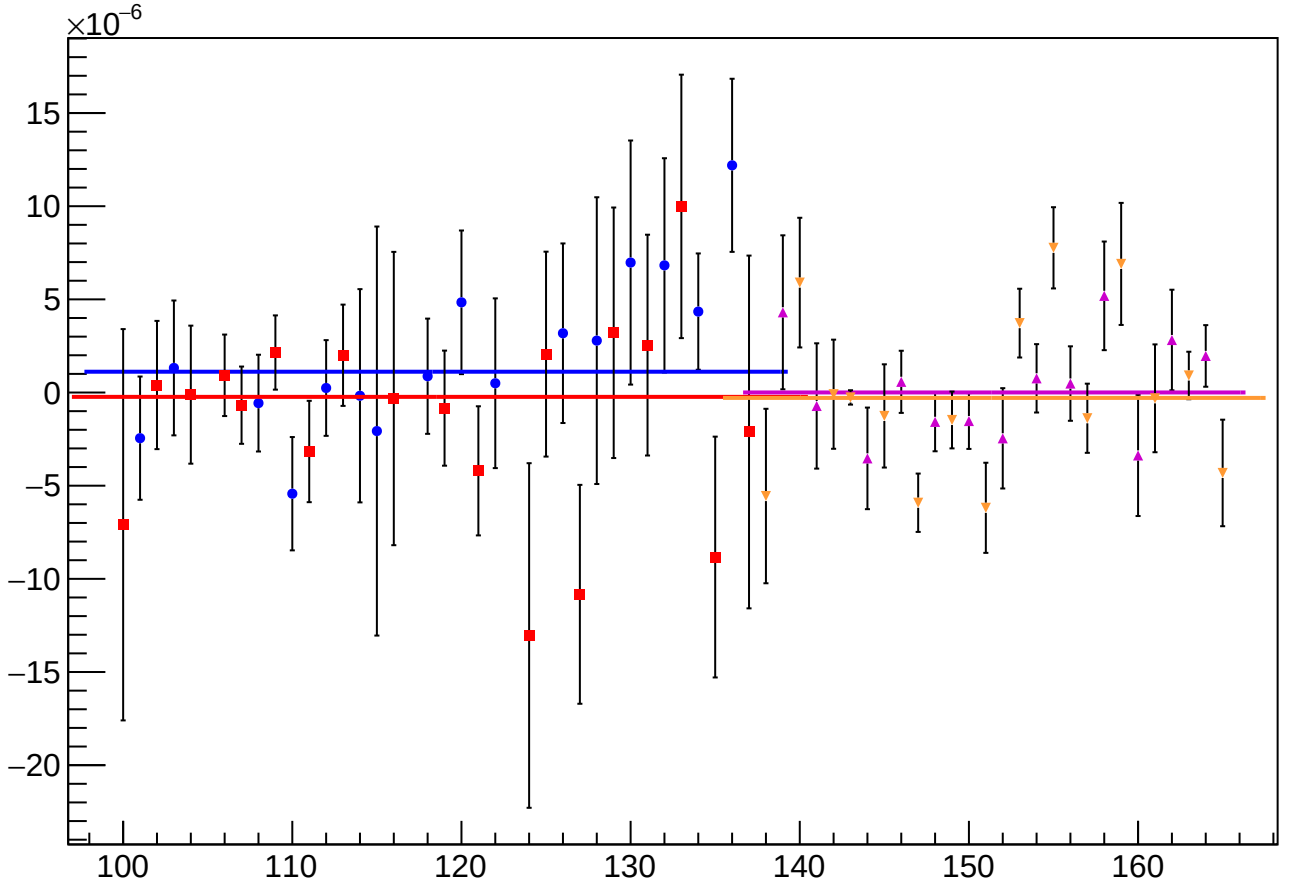
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.234+/-0.010 χ^2/NDF:349926.7/12

+ sign 33.607+/-0.006 χ^2/NDF: 7152529.8/30

All: 31.644+/-0.004 χ^2/NDF: 14473877.1/62

- sign 29.978+/-0.006 χ^2/NDF: 7138204.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.5/14

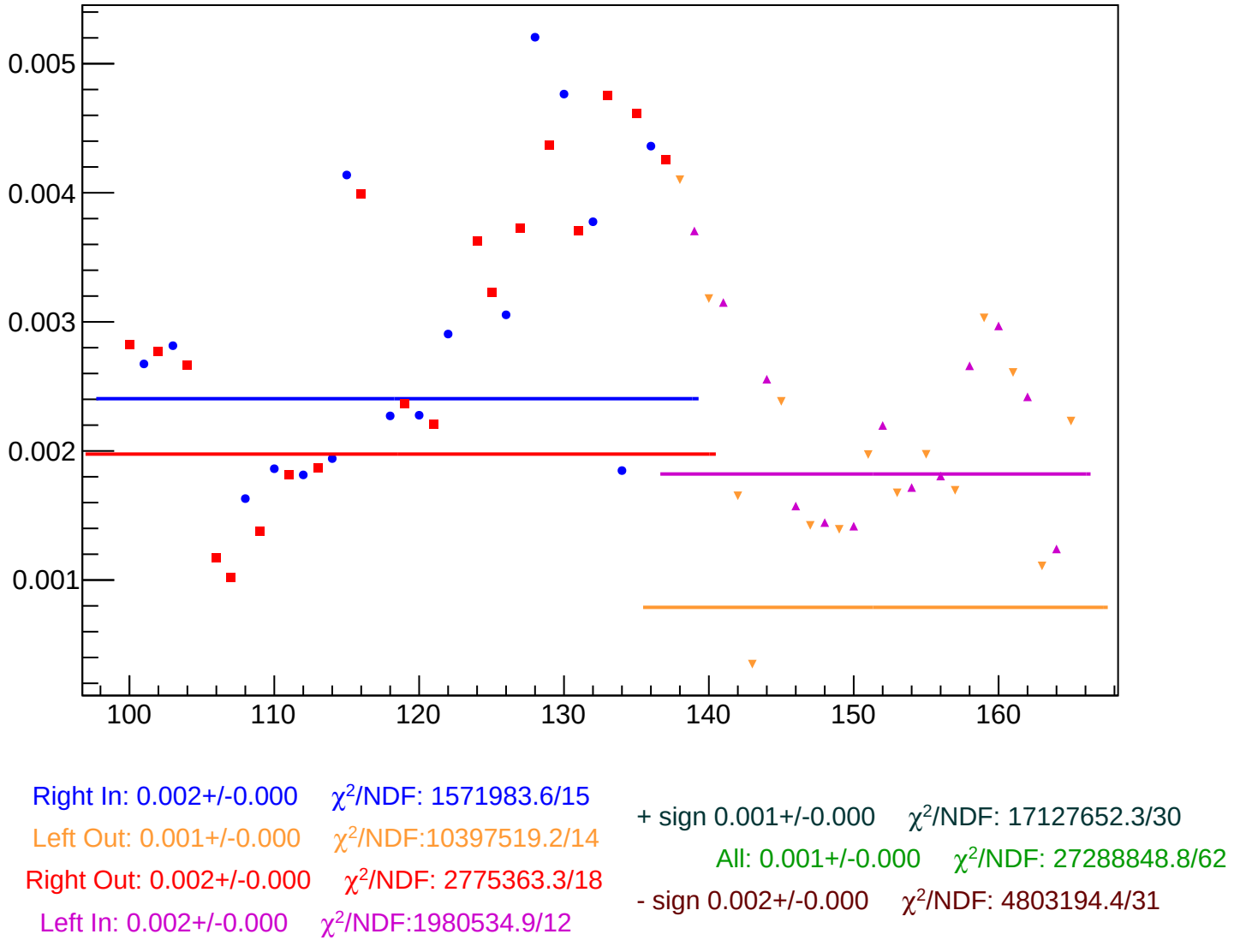
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

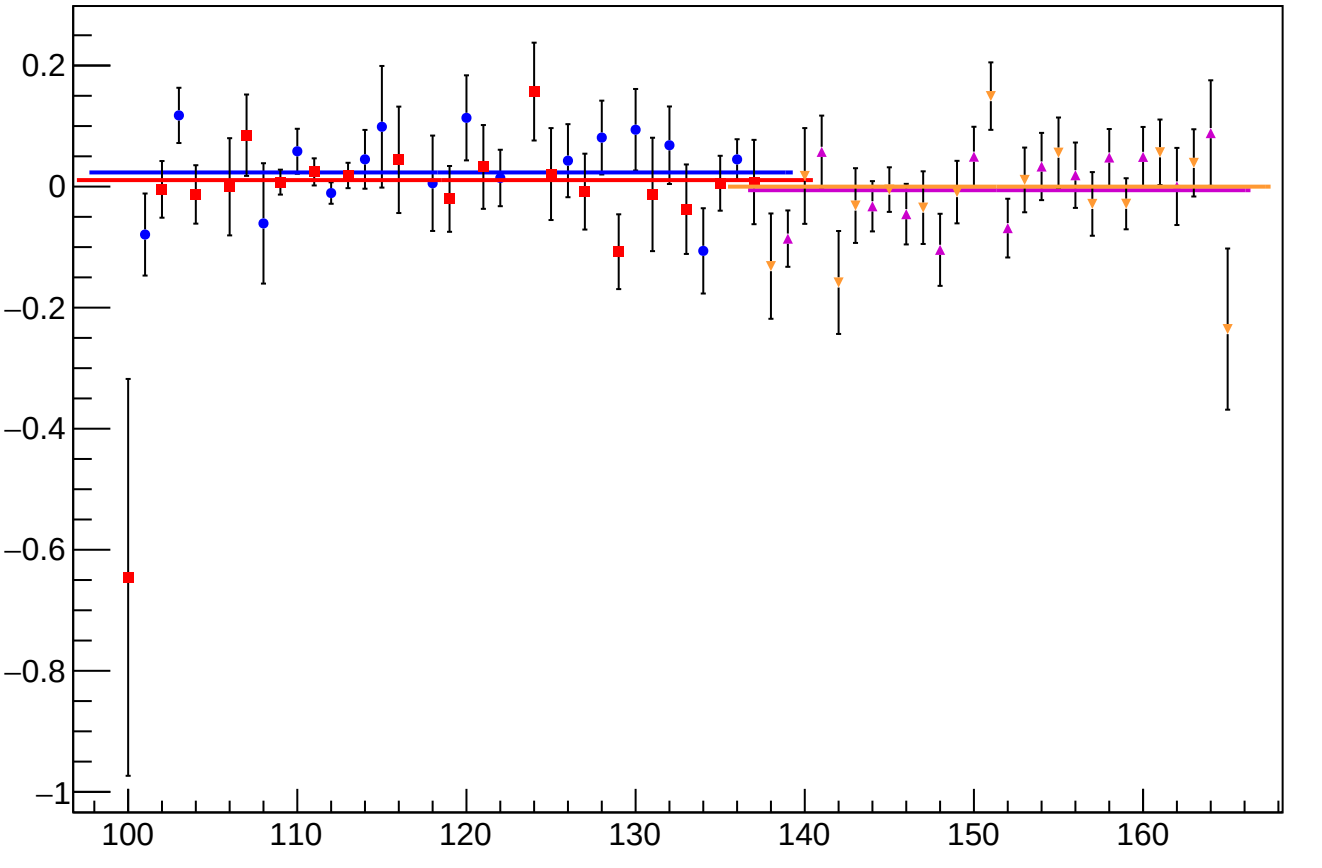
Left In: 0.000+/-0.000 χ^2/NDF:12.8/12

\+ sign -0.000+/-0.000 χ^2/NDF: 68.6/30

All: -0.000+/-0.000 χ^2/NDF: 96.6/62

\- sign -0.000+/-0.000 χ^2/NDF: 28.0/31


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 1571983.6/15
Left Out: 0.001+/-0.000 χ²/NDF:10397519.2/14
Right Out: 0.002+/-0.000 χ²/NDF: 2775363.3/18
Left In: 0.002+/-0.000 χ²/NDF:1980534.9/12
+ sign 0.001+/-0.000 χ²/NDF: 17127652.3/30
All: 0.001+/-0.000 χ²/NDF: 27288848.8/62
- sign 0.002+/-0.000 χ²/NDF: 4803194.4/31



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.000+/-0.015 χ^2/NDF:20.1/14

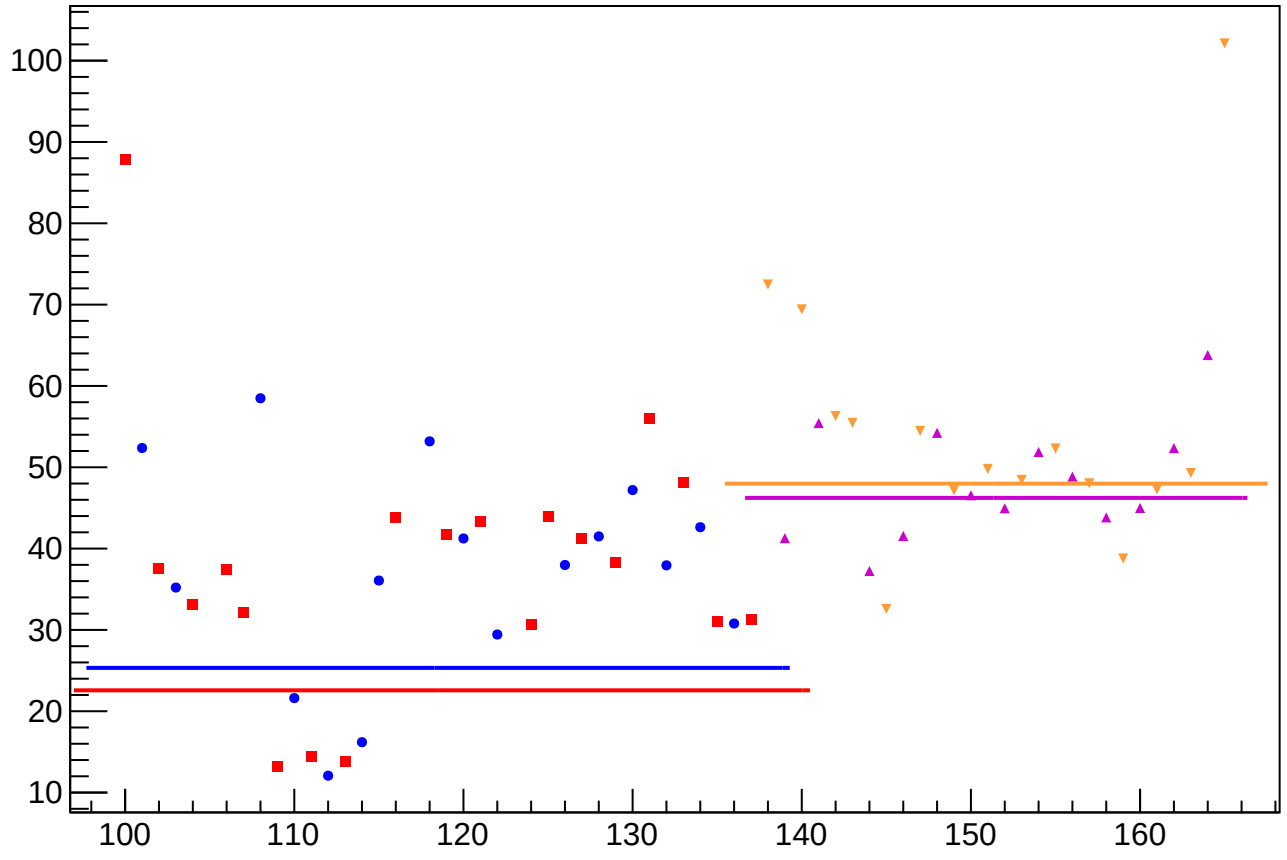
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.015 χ^2/NDF:15.2/12

+ sign 0.015+/-0.009 χ^2/NDF: 42.5/30

All: 0.010+/-0.006 χ^2/NDF: 73.4/62

- sign 0.005+/-0.008 χ^2/NDF: 30.4/31



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.988+/-0.010 χ^2/NDF:1168029.6/14

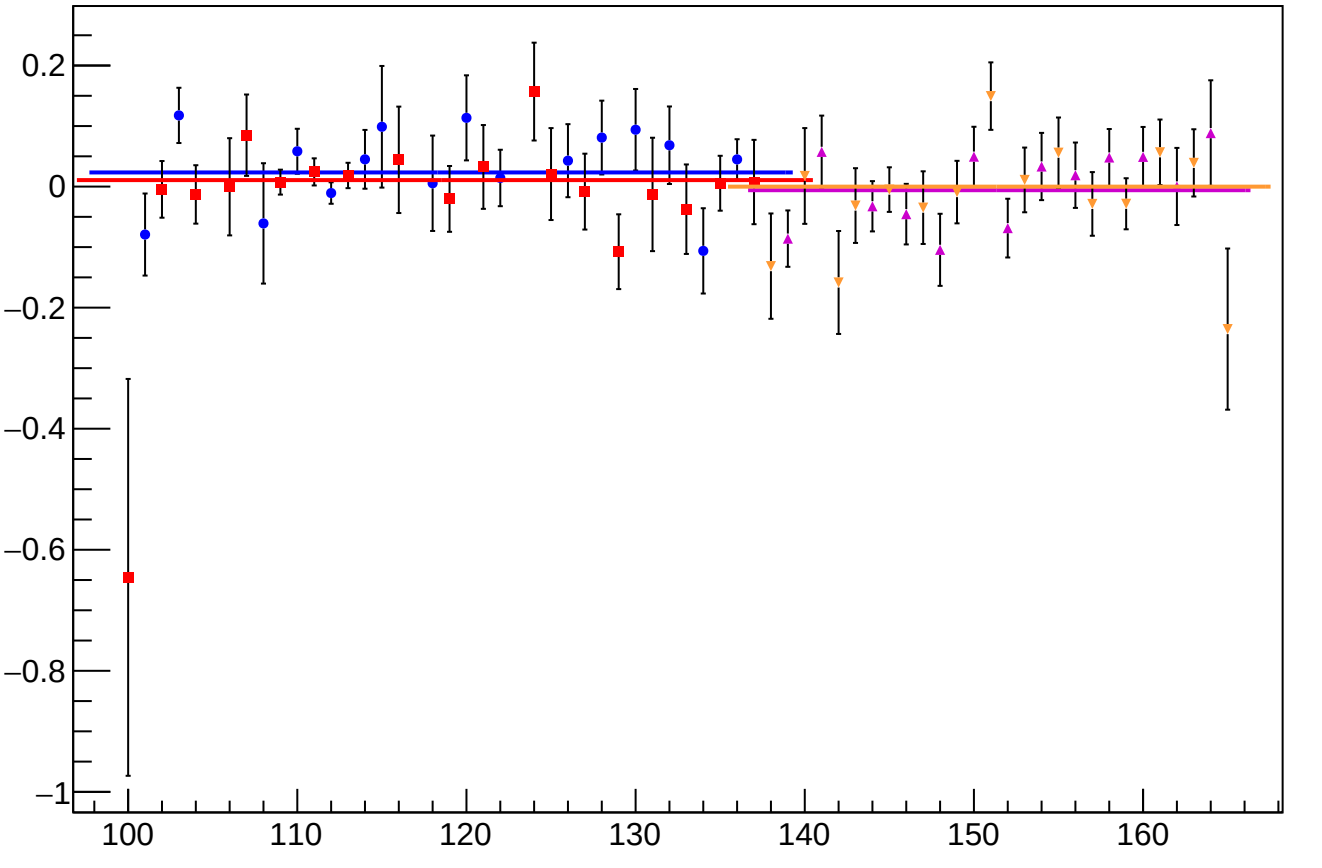
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.234+/-0.010 χ^2/NDF:349920.0/12

+ sign 33.606+/-0.006 χ^2/NDF: 7153434.5/30

All: 31.643+/-0.004 χ^2/NDF: 14475067.8/62

- sign 29.978+/-0.006 χ^2/NDF: 7138571.8/31



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.000+/-0.015 χ^2/NDF:20.1/14

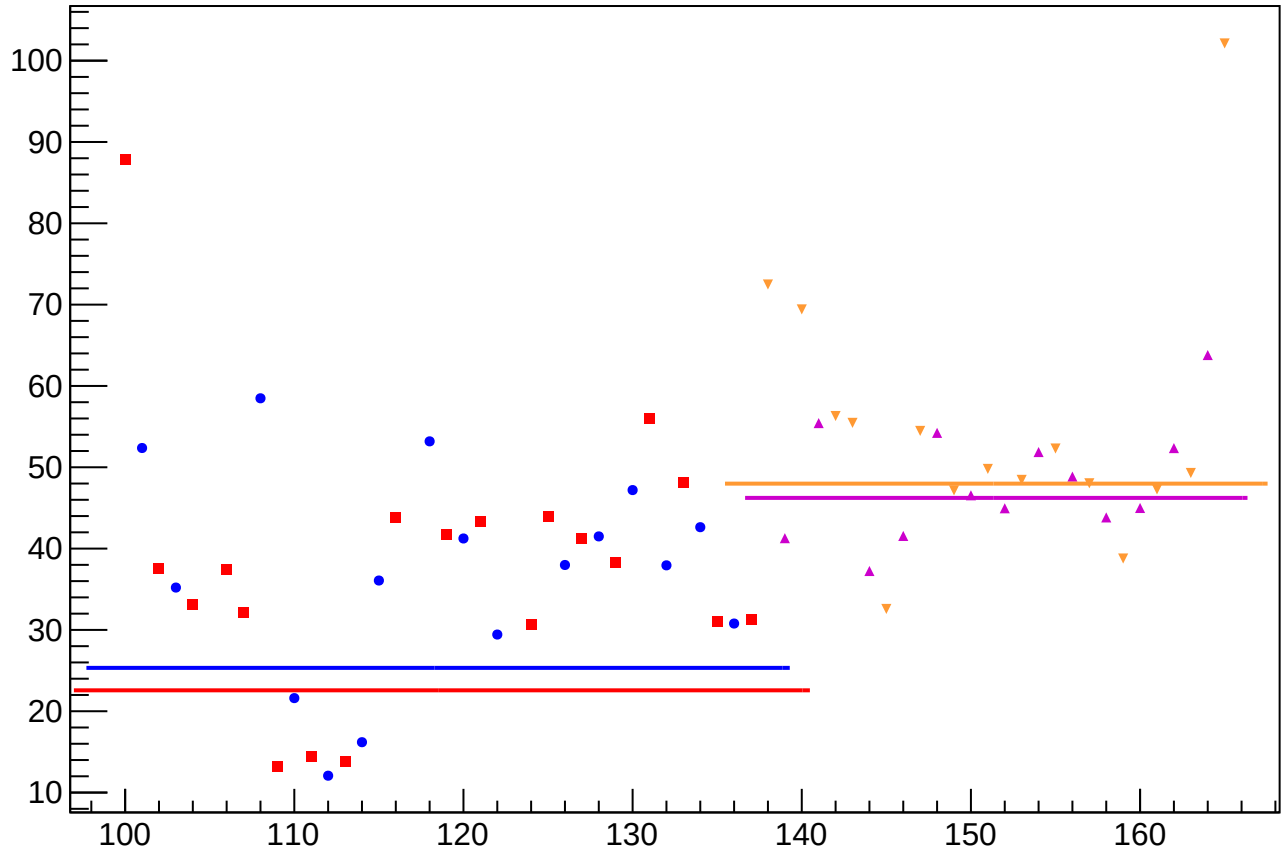
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.015 χ^2/NDF:15.2/12

+ sign 0.015+/-0.009 χ^2/NDF: 42.5/30

All: 0.010+/-0.006 χ^2/NDF: 73.4/62

- sign 0.005+/-0.008 χ^2/NDF: 30.4/31



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.988+/-0.010 χ^2/NDF:1168029.6/14

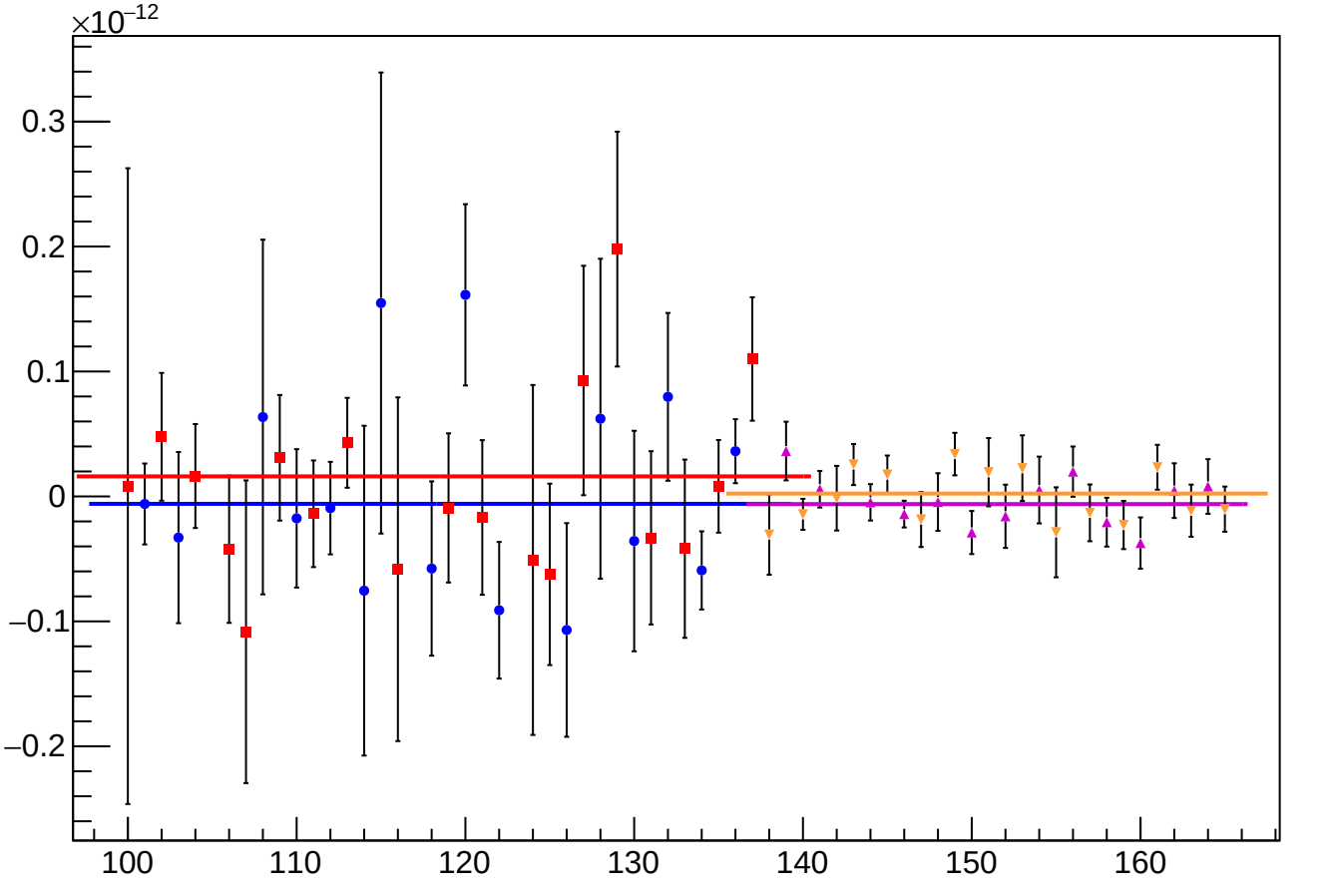
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.234+/-0.010 χ^2/NDF:349920.0/12

+ sign 33.606+/-0.006 χ^2/NDF: 7153434.5/30

All: 31.643+/-0.004 χ^2/NDF: 14475067.8/62

- sign 29.978+/-0.006 χ^2/NDF: 7138571.8/31



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/14

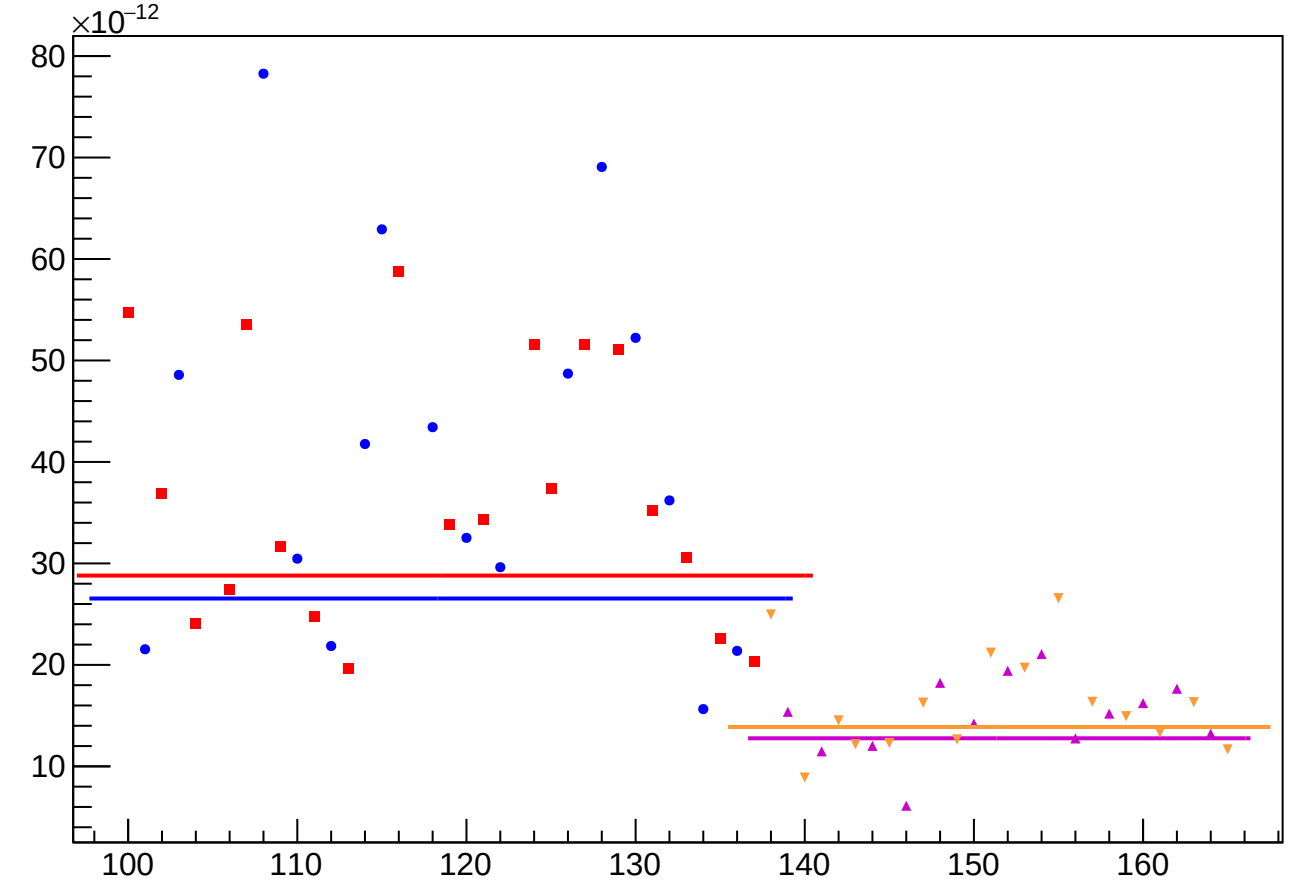
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/30

All: -0.000+/-0.000 χ^2/NDF: 65.2/62

- sign -0.000+/-0.000 χ^2/NDF: 29.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1219775.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

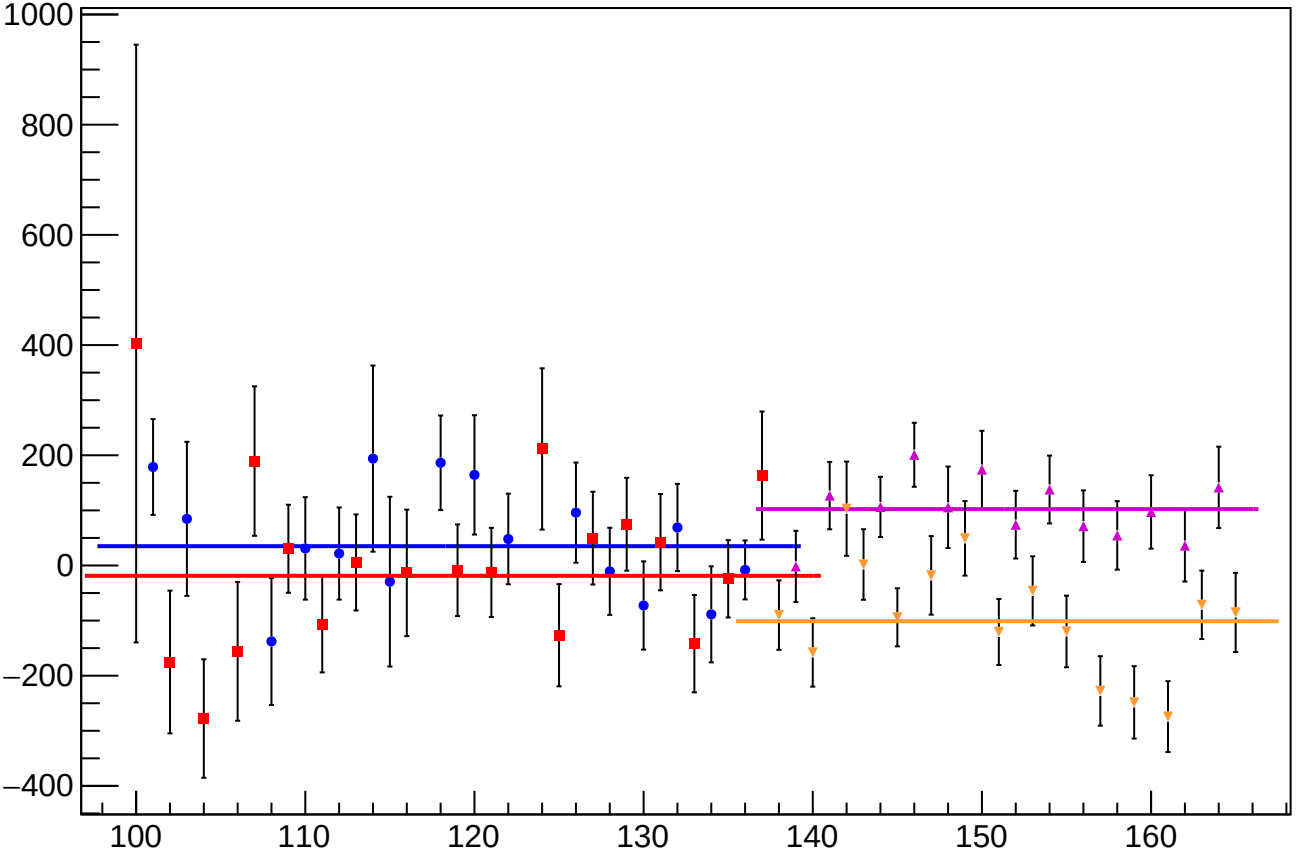
Left In: 0.000+/-0.000 χ^2/NDF:1463840.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 4625888.8/30

All: 0.000+/-0.000 χ^2/NDF: 9579988.3/62

- sign 0.000+/-0.000 χ^2/NDF: 4921895.7/31

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.114+/-16.631 χ^2/NDF:33.0/14

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

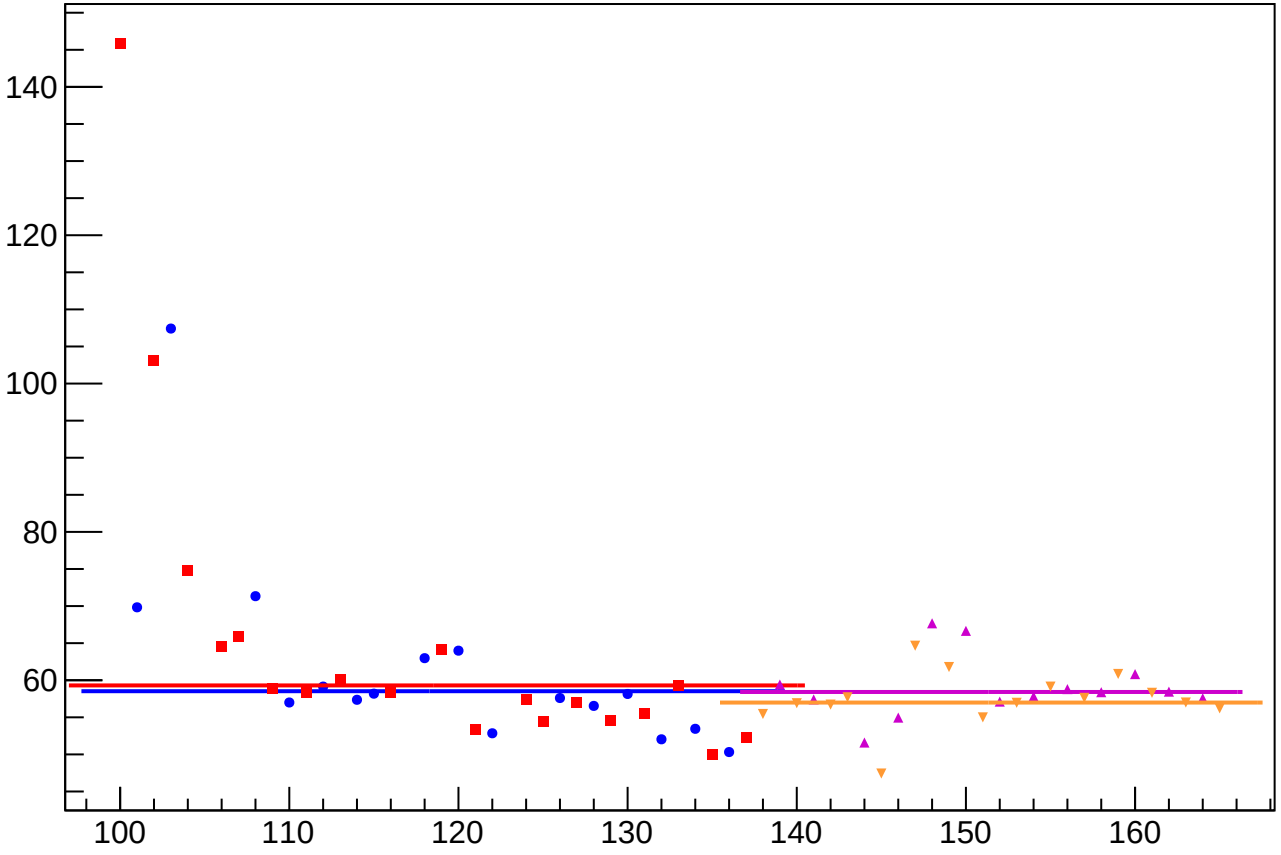
Left In: 102.290+/-17.700 χ^2/NDF:9.4/12

+ sign -51.992+/-13.296 χ^2/NDF: 73.4/30

All: -0.525+/-9.583 χ^2/NDF: 155.7/62

- sign 55.111+/-13.824 χ^2/NDF: 51.1/31

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.991+/-0.012 χ^2/NDF:113117.7/14

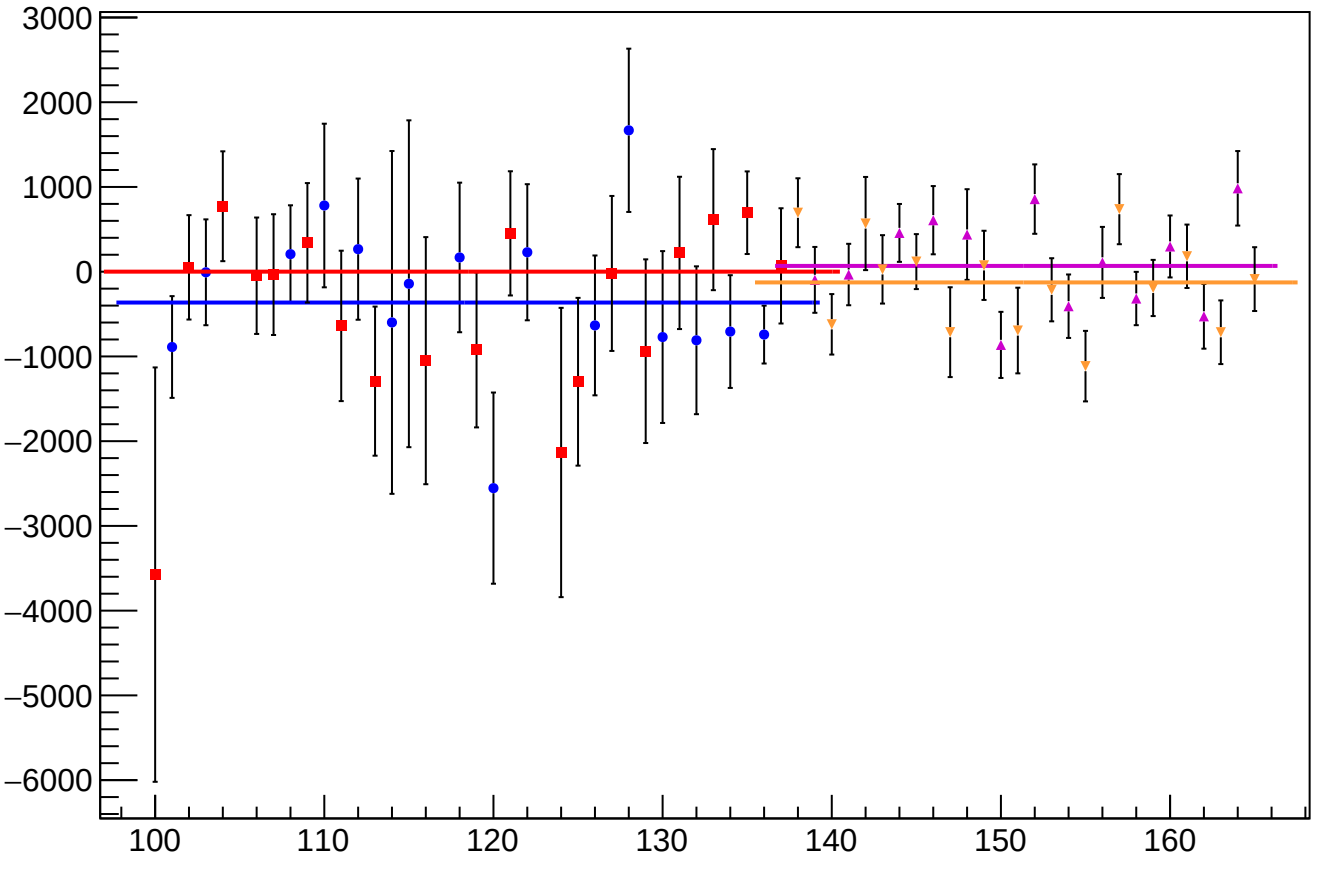
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

+ sign 57.543+/-0.009 χ^2/NDF: 511971.2/30

All: 58.129+/-0.007 χ^2/NDF: 1030661.4/62

- sign 58.762+/-0.010 χ^2/NDF: 510617.1/31



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -126.548+/-102.314 χ^2/NDF:24.3/14

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

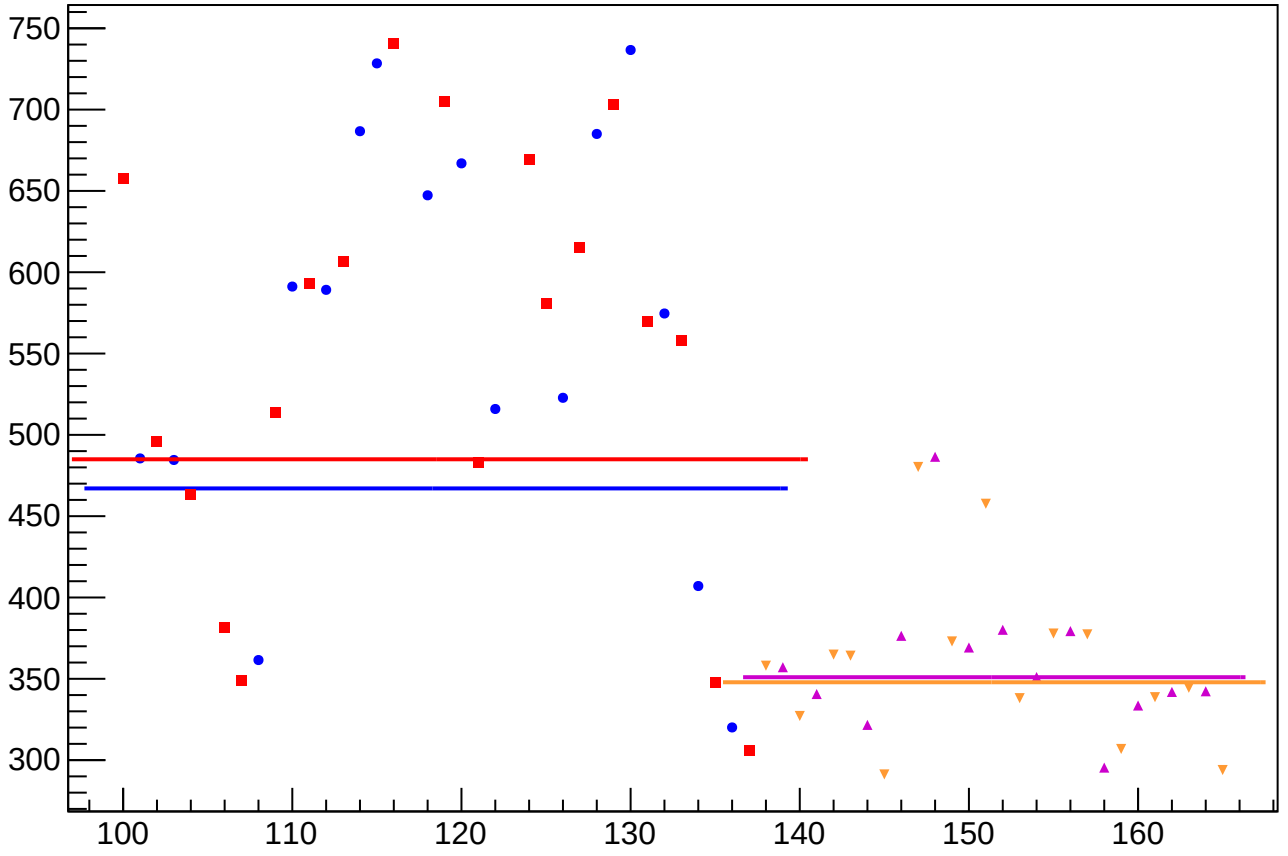
Left In: 68.206+/-106.950 χ^2/NDF:23.5/12

+ sign -184.259+/-89.021 χ^2/NDF: 40.8/30

All: -70.945+/-64.091 χ^2/NDF: 82.9/62

- sign 50.998+/-92.348 χ^2/NDF: 38.7/31

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 347.874+/-0.072 χ^2/NDF:395767.7/14

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

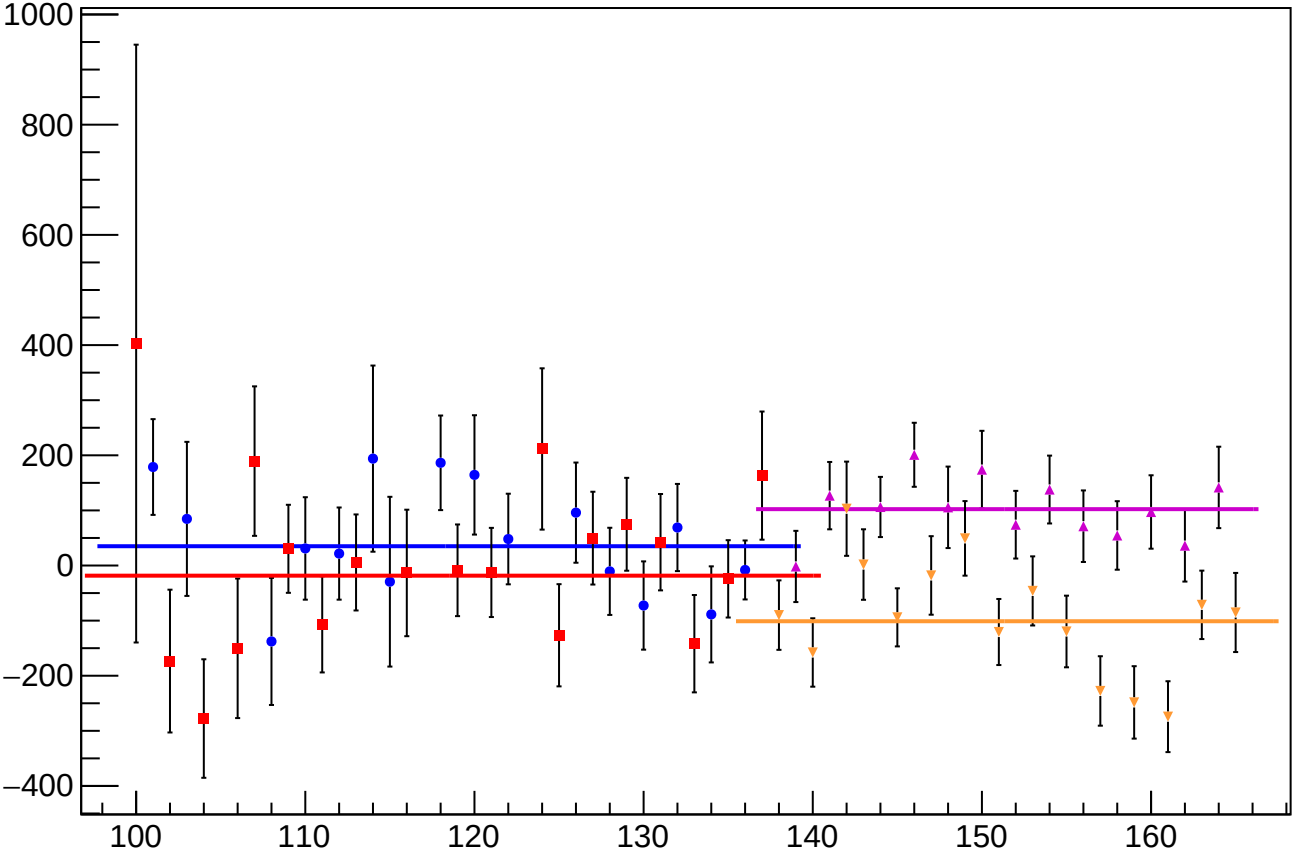
Left In: 350.982+/-0.076 χ^2/NDF:245669.9/12

+ sign 376.834+/-0.063 χ^2/NDF: 2085544.7/30

All: 380.803+/-0.045 χ^2/NDF: 4012350.7/62

- sign 385.074+/-0.065 χ^2/NDF: 1918553.4/31

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.111+/-16.631 χ^2/NDF:33.0/14

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

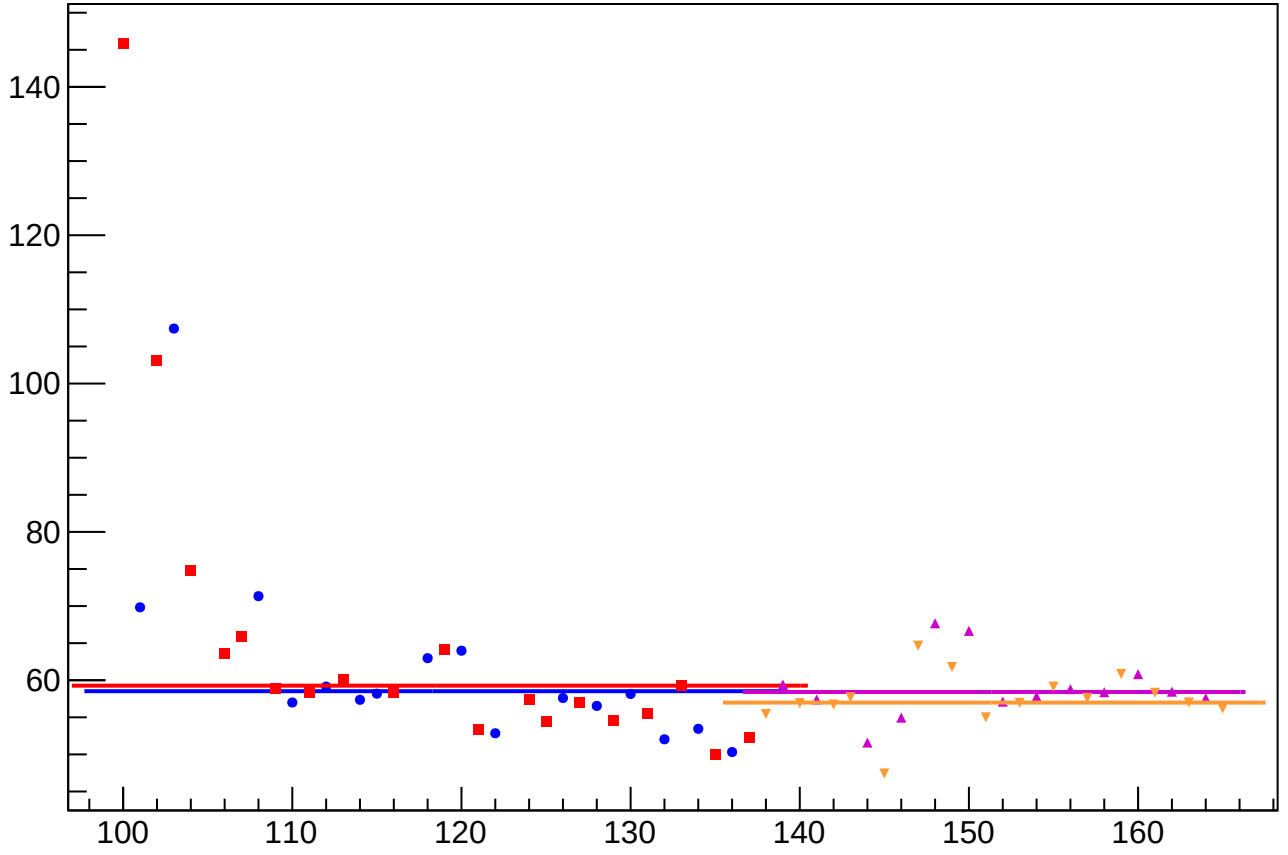
Left In: 102.291+/-17.700 χ^2/NDF:9.4/12

+ sign -51.991+/-13.296 χ^2/NDF: 73.4/30

All: -0.472+/-9.583 χ^2/NDF: 155.5/62

- sign 55.228+/-13.825 χ^2/NDF: 50.9/31

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.991+/-0.012 χ^2/NDF:113117.7/14

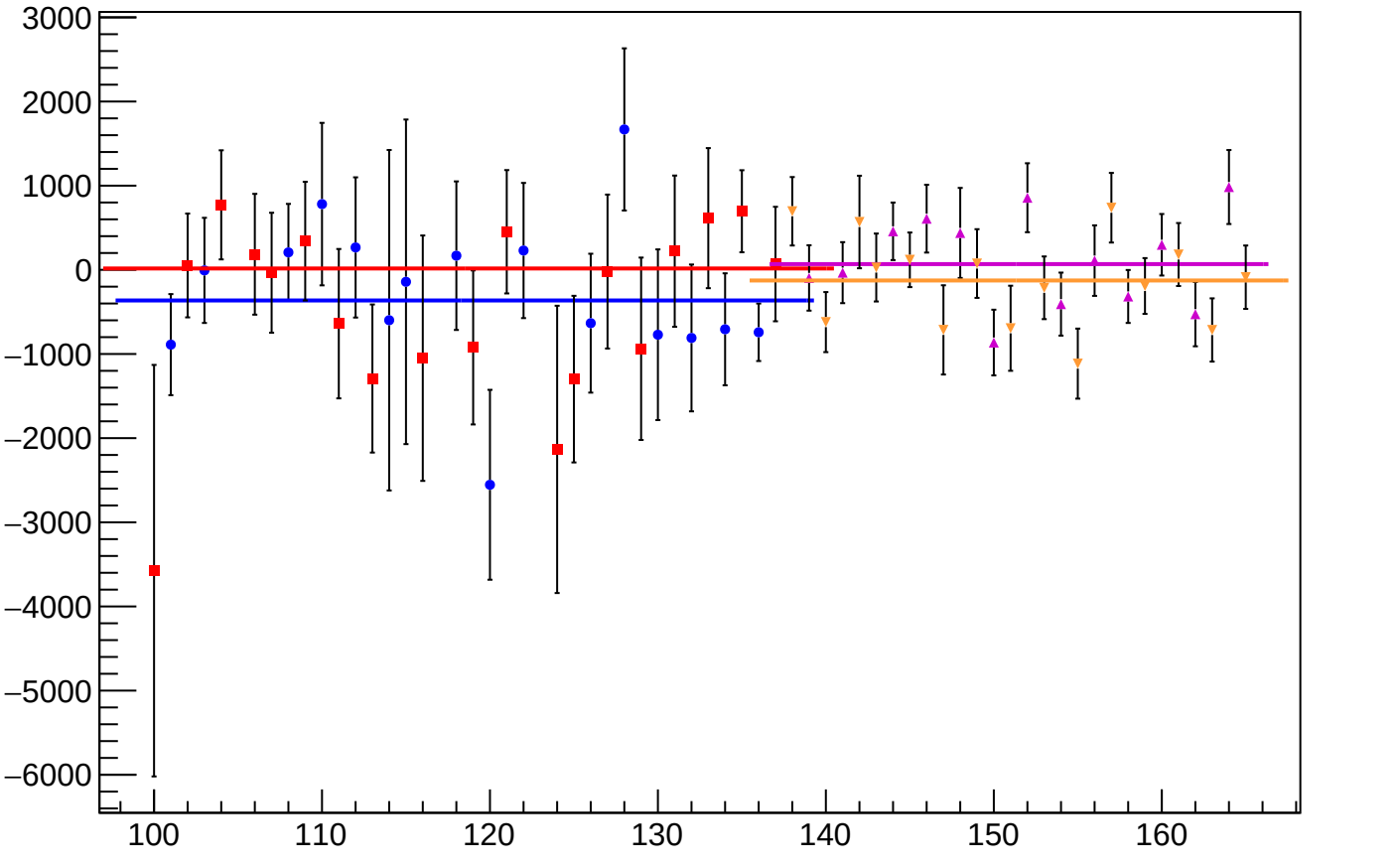
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

\+ sign 57.543+/-0.009 χ^2/NDF: 511973.3/30

All: 58.123+/-0.007 χ^2/NDF: 1029365.2/62

\- sign 58.750+/-0.010 χ^2/NDF: 509484.0/31



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -126.548+/-102.314 χ^2/NDF:24.3/14

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

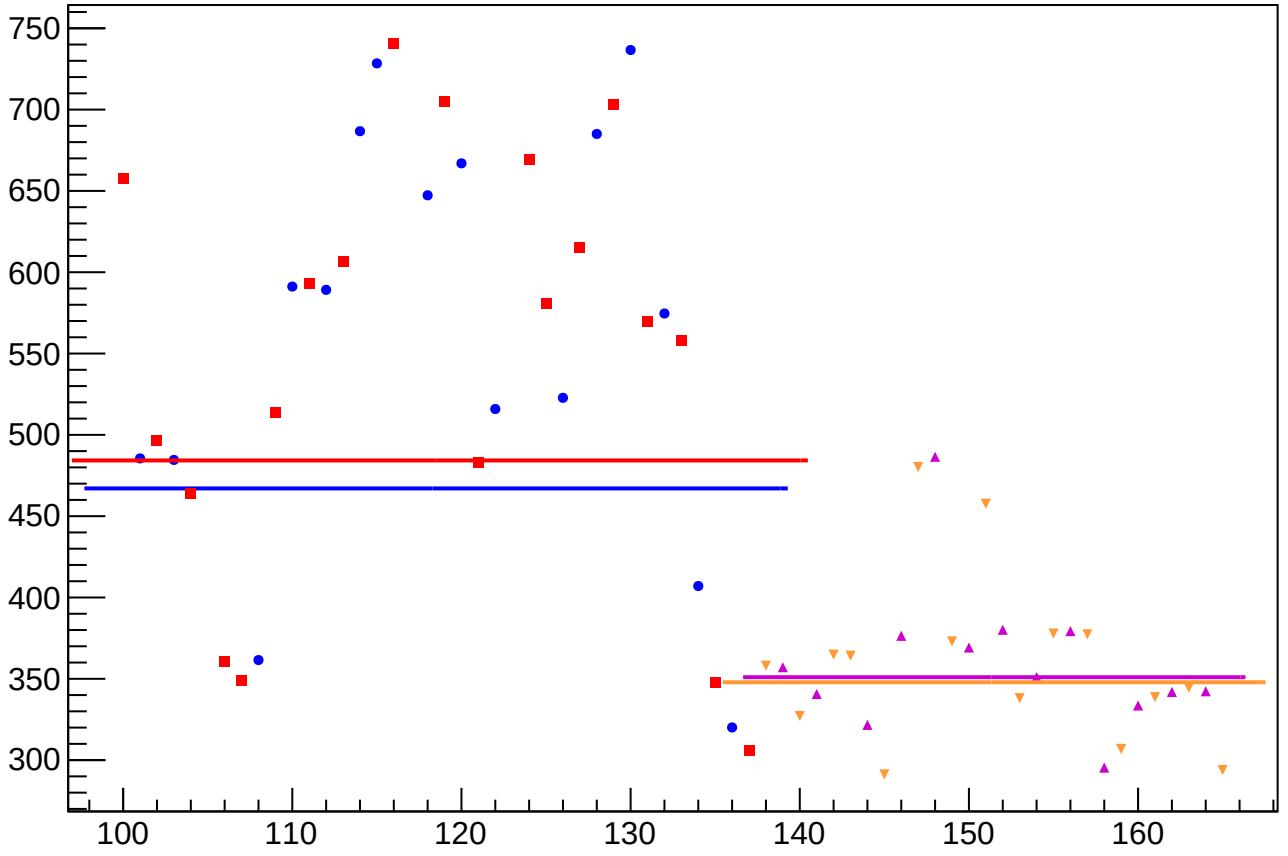
Left In: 68.206+/-106.950 χ^2/NDF:23.5/12

+ sign -184.250+/-89.021 χ^2/NDF: 40.8/30

All: -69.102+/-64.115 χ^2/NDF: 83.0/62

- sign 55.007+/-92.420 χ^2/NDF: 38.7/31

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 347.874+/-0.072 χ^2/NDF:395767.3/14

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

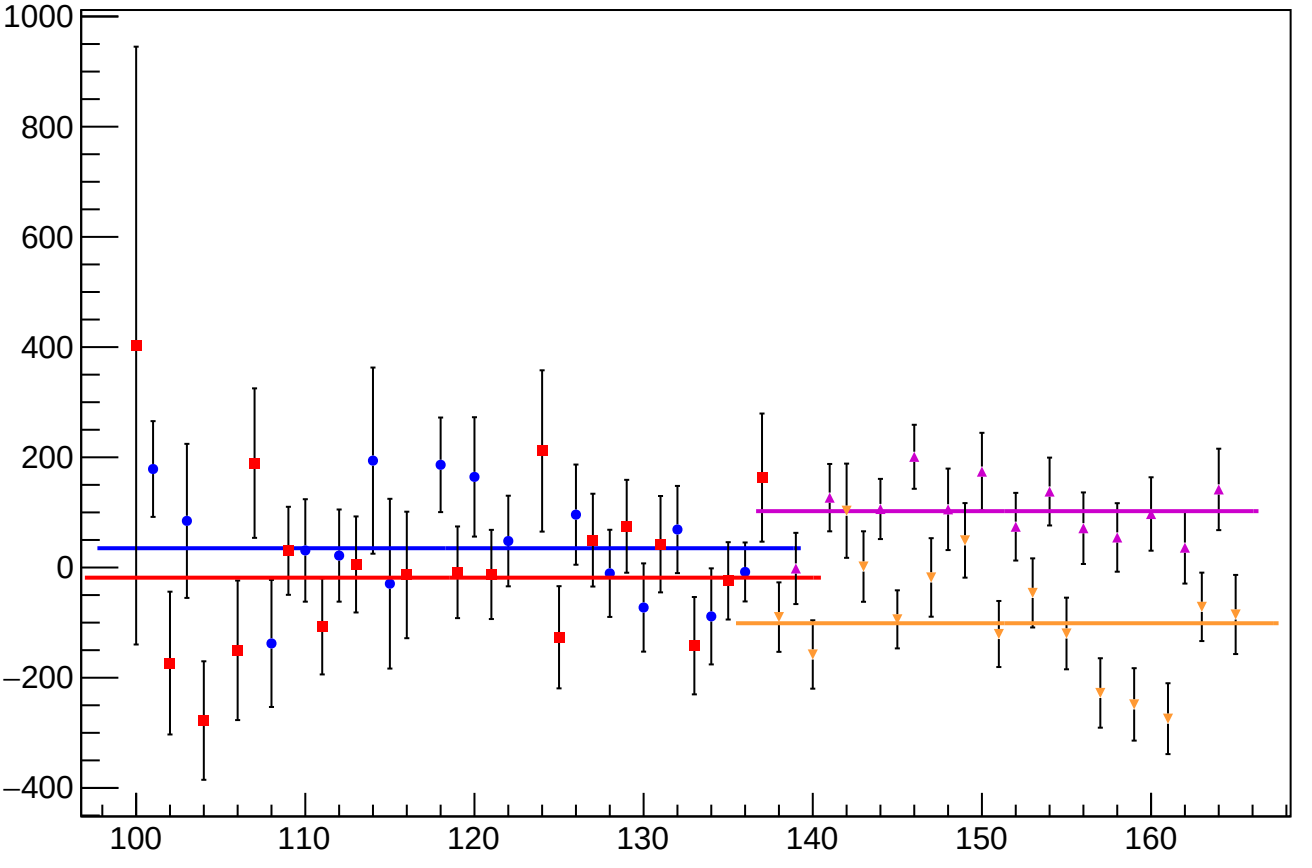
Left In: 350.982+/-0.076 χ^2/NDF:245669.8/12

+ sign 376.835+/-0.063 χ^2/NDF: 2085568.4/30

All: 380.638+/-0.045 χ^2/NDF: 4014355.9/62

- sign 384.738+/-0.065 χ^2/NDF: 1921200.6/31

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.111+/-16.631 χ^2/NDF:33.0/14

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

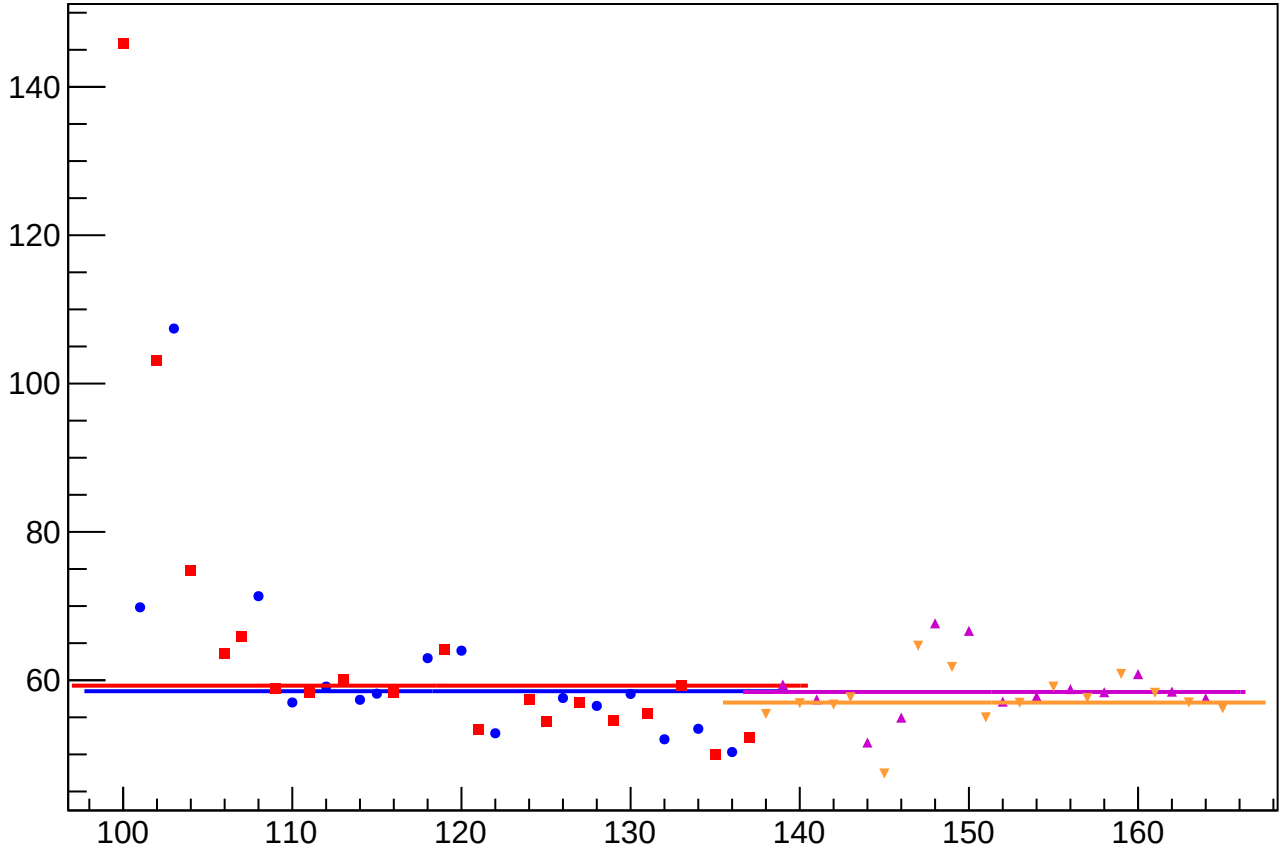
Left In: 102.291+/-17.700 χ^2/NDF:9.4/12

+ sign -51.991+/-13.296 χ^2/NDF: 73.4/30

All: -0.472+/-9.583 χ^2/NDF: 155.5/62

- sign 55.228+/-13.825 χ^2/NDF: 50.9/31

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.991+/-0.012 χ^2/NDF:113117.7/14

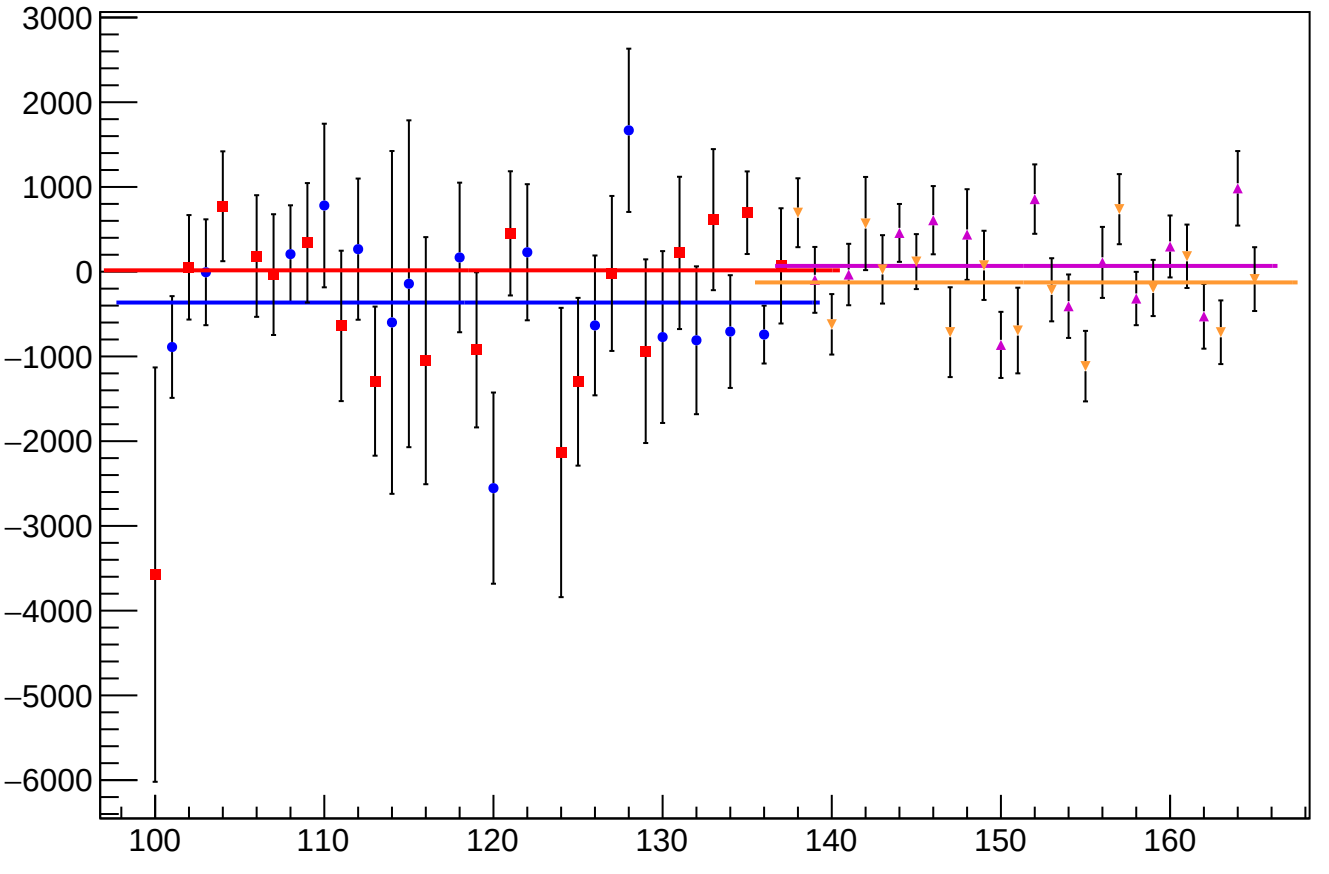
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

+ sign 57.543+/-0.009 χ^2/NDF: 511973.3/30

All: 58.123+/-0.007 χ^2/NDF: 1029365.2/62

- sign 58.750+/-0.010 χ^2/NDF: 509484.0/31



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -126.548+/-102.314 χ^2/NDF:24.3/14

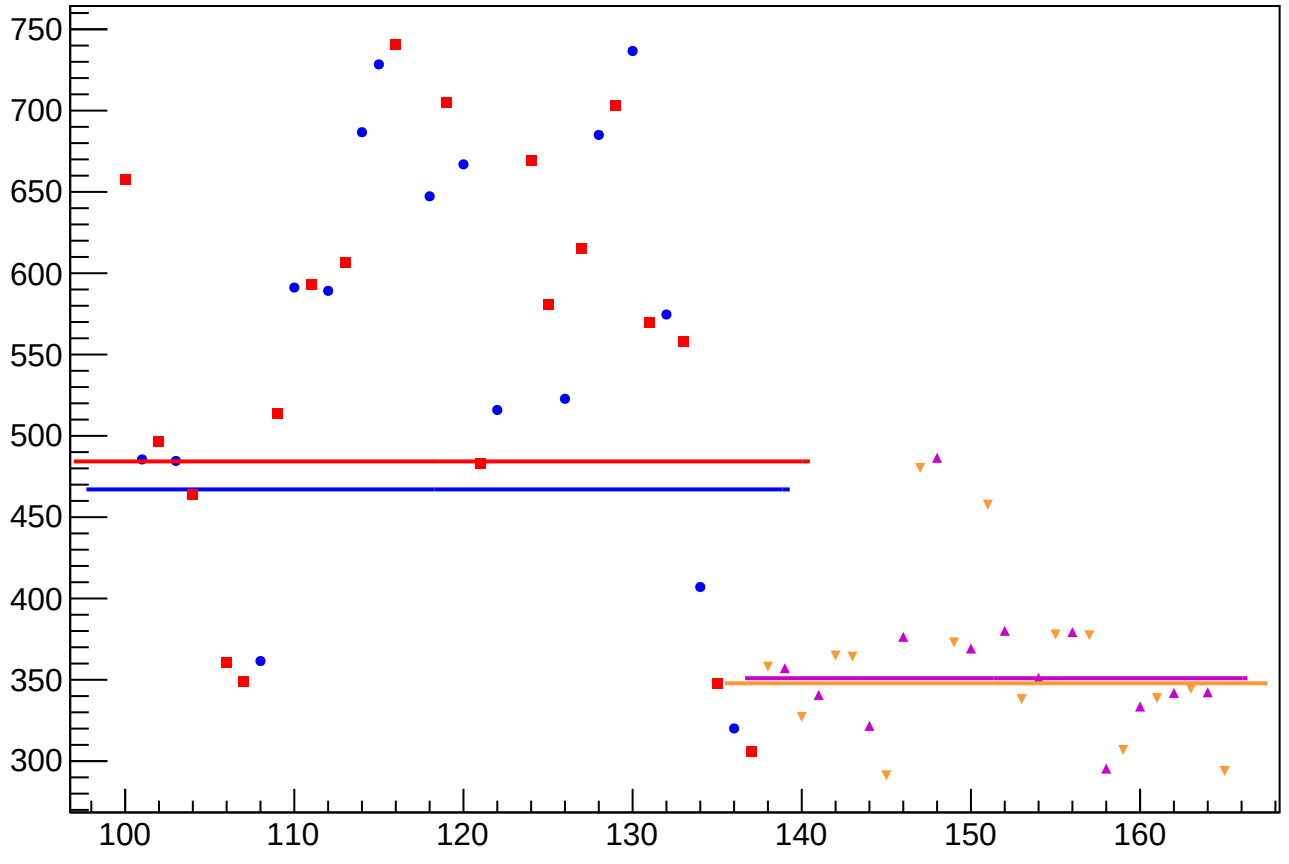
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 68.206+/-106.950 χ^2/NDF:23.5/12

+ sign -184.250+/-89.021 χ^2/NDF: 40.8/30

All: -69.102+/-64.115 χ^2/NDF: 83.0/62

- sign 55.007+/-92.420 χ^2/NDF: 38.7/31



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 347.874+/-0.072 χ^2/NDF:395767.3/14

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

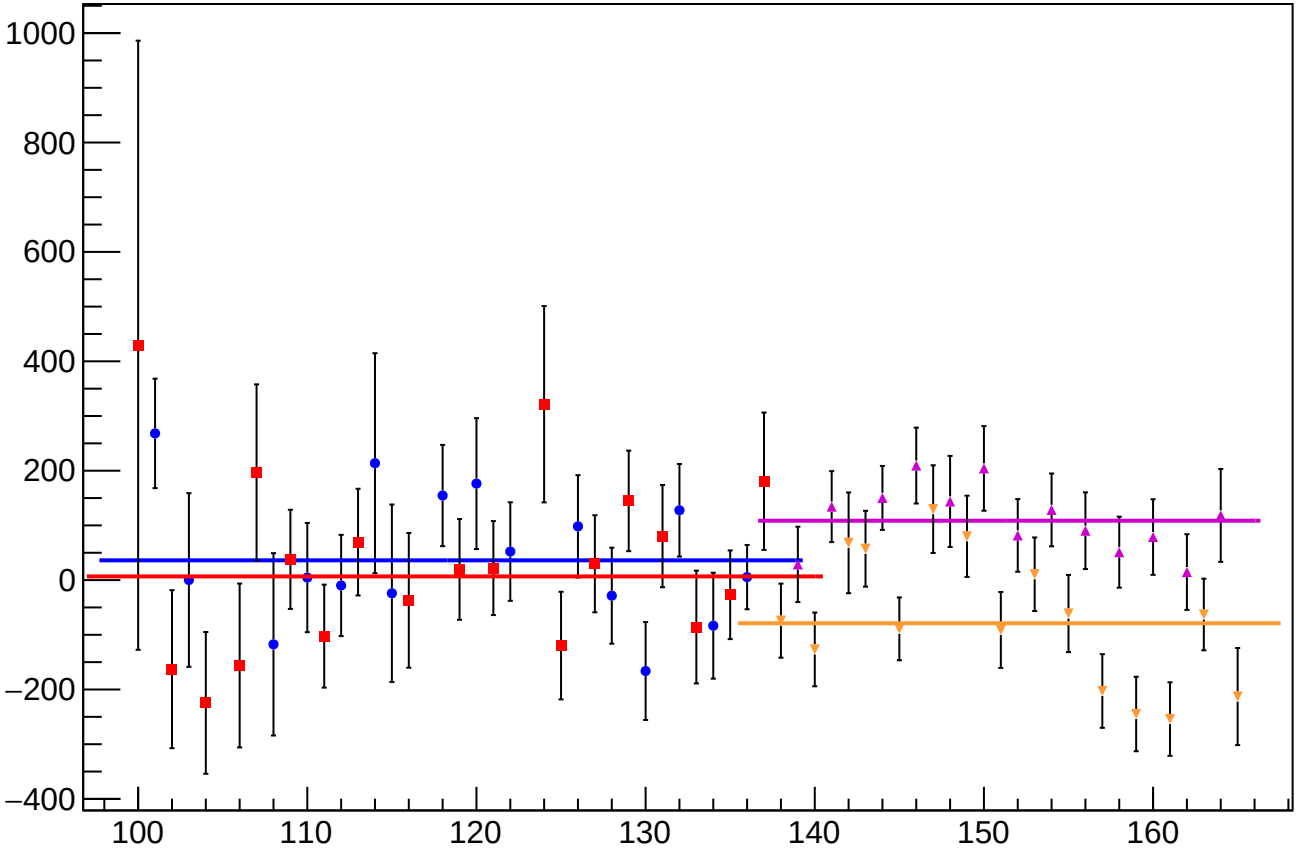
Left In: 350.982+/-0.076 χ^2/NDF:245669.8/12

+ sign 376.835+/-0.063 χ^2/NDF: 2085568.4/30

All: 380.638+/-0.045 χ^2/NDF: 4014355.9/62

- sign 384.738+/-0.065 χ^2/NDF: 1921200.6/31

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -78.856+/-18.103 χ^2/NDF:38.6/14

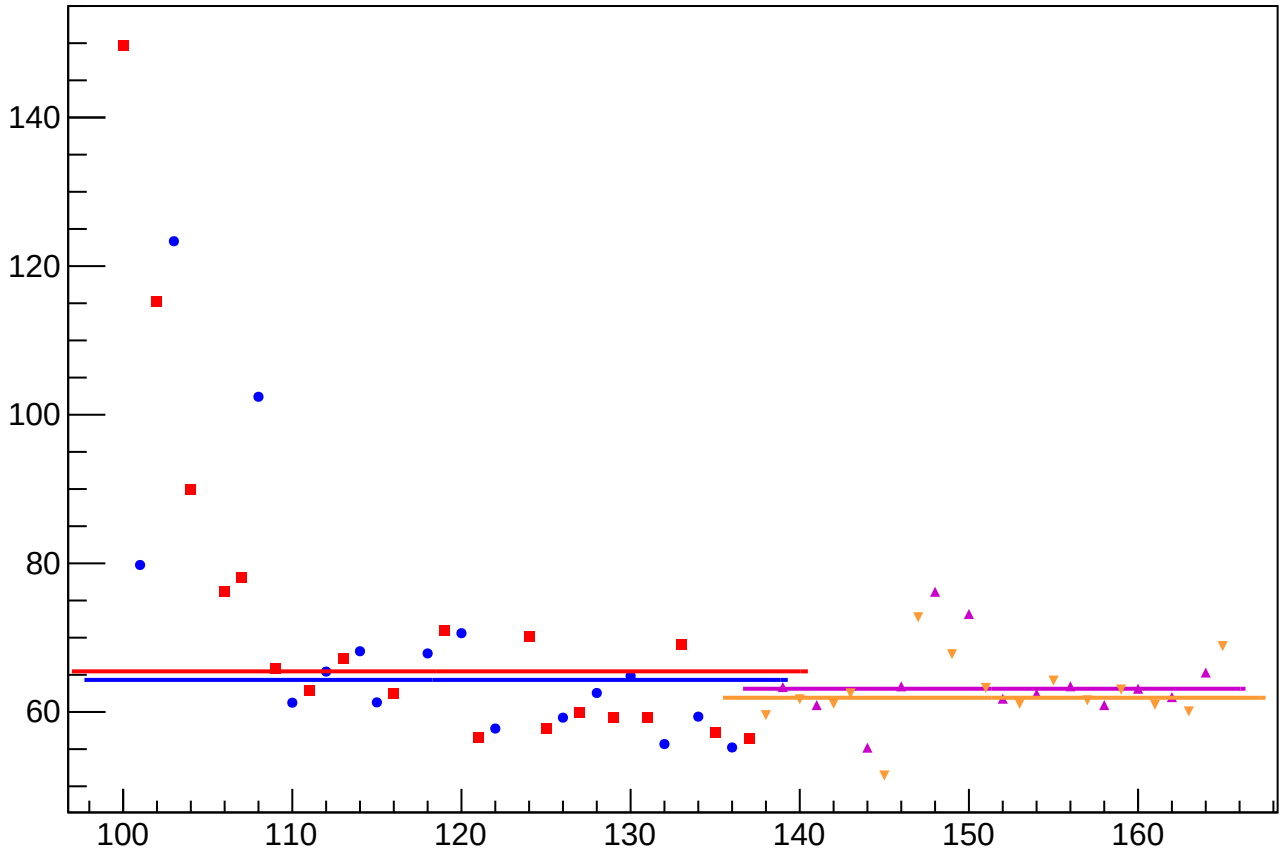
Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: 108.573+/-19.210 χ^2/NDF:9.0/12

+ sign -38.176+/-14.554 χ^2/NDF: 72.5/30

All: 13.769+/-10.490 χ^2/NDF: 139.0/62

- sign 69.927+/-15.133 χ^2/NDF: 40.0/31



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.915+/-0.013 χ^2/NDF:135943.4/14

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

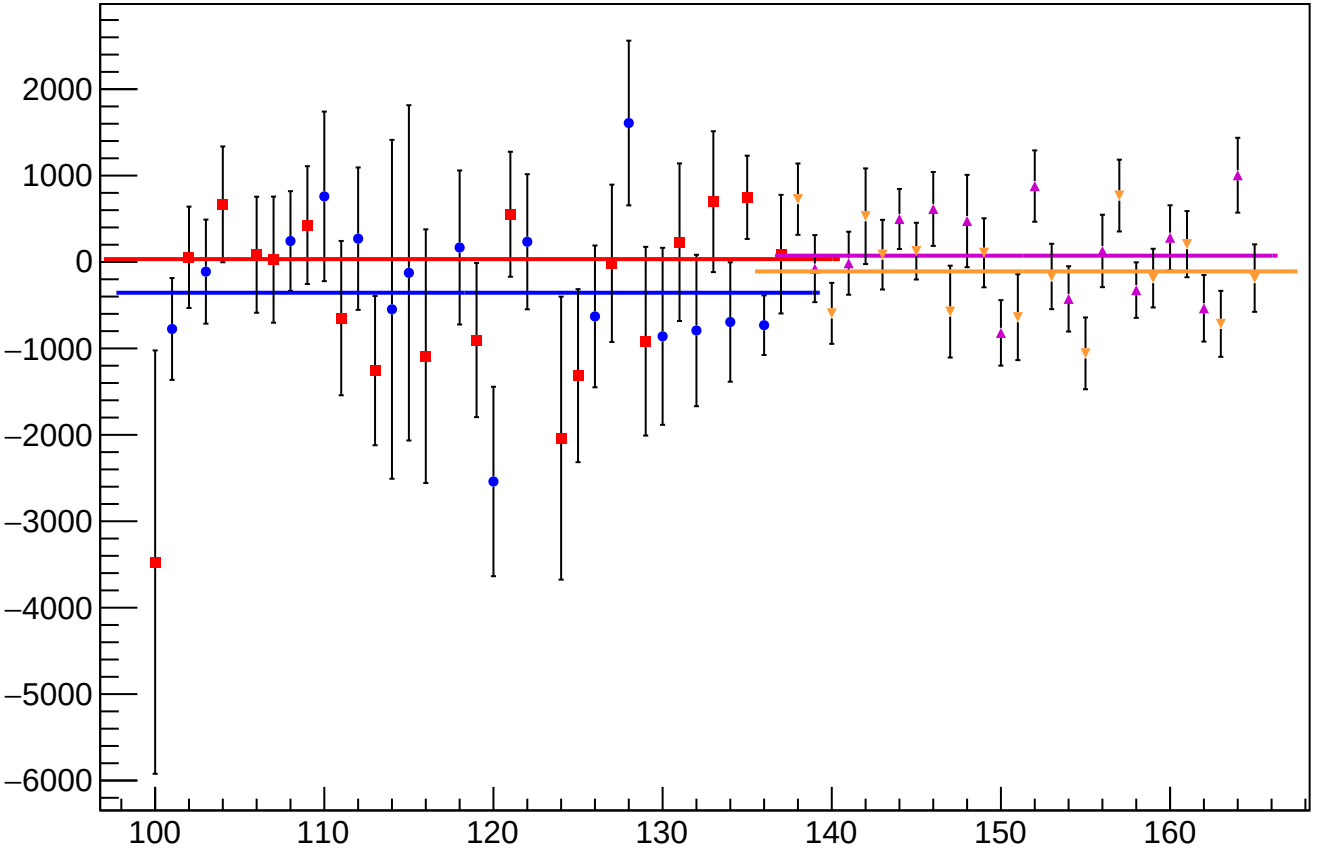
Left In: 63.126+/-0.014 χ^2/NDF:127266.9/12

+ sign 62.764+/-0.010 χ^2/NDF: 680453.7/30

All: 63.365+/-0.007 χ^2/NDF: 1308427.7/62

- sign 64.014+/-0.011 χ^2/NDF: 620887.0/31

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -108.623+/-103.165 χ^2/NDF:23.3/14

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

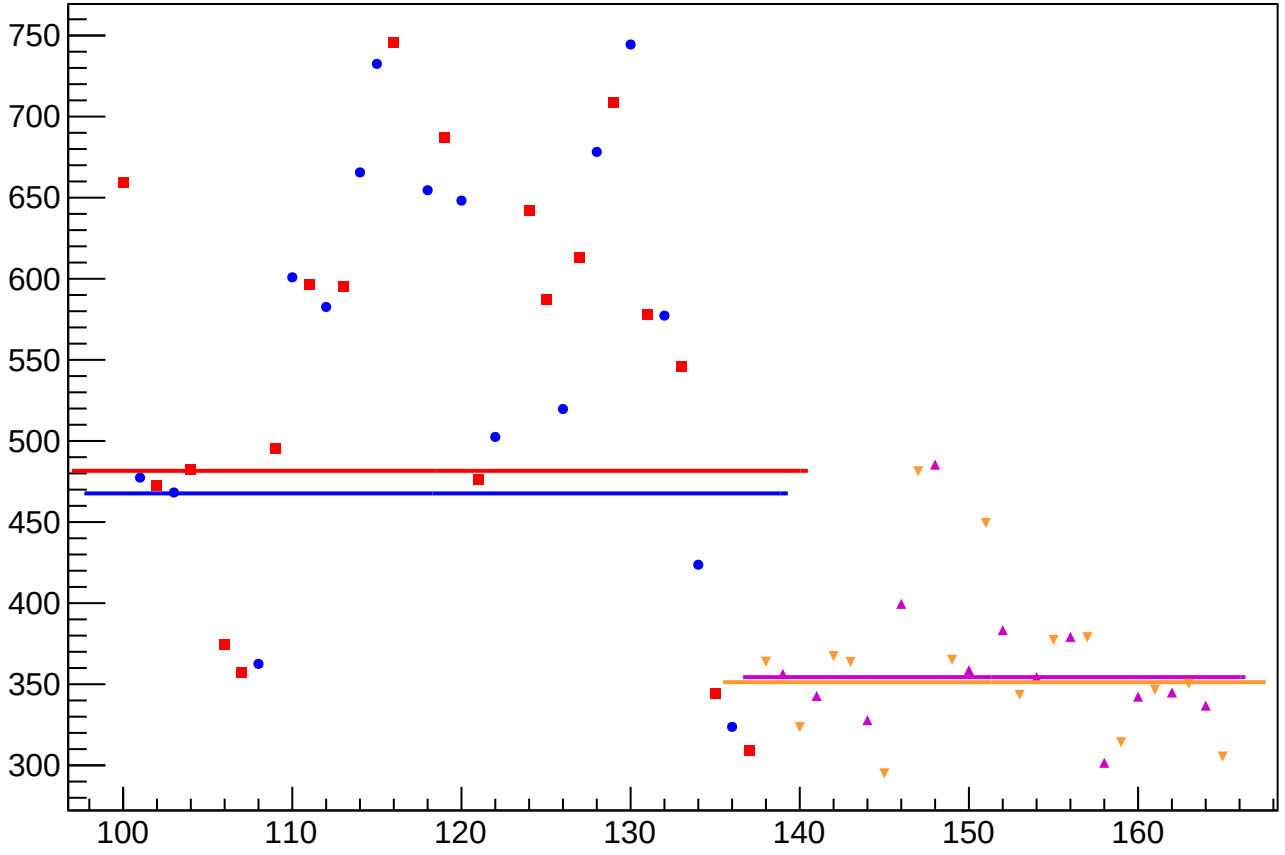
Left In: 73.240+/-107.953 χ^2/NDF:24.0/12

+ sign -169.503+/-89.547 χ^2/NDF: 39.5/30

All: -57.416+/-64.435 χ^2/NDF: 82.1/62

- sign 62.935+/-92.790 χ^2/NDF: 39.4/31

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 351.267+/-0.073 χ^2/NDF:346078.8/14

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

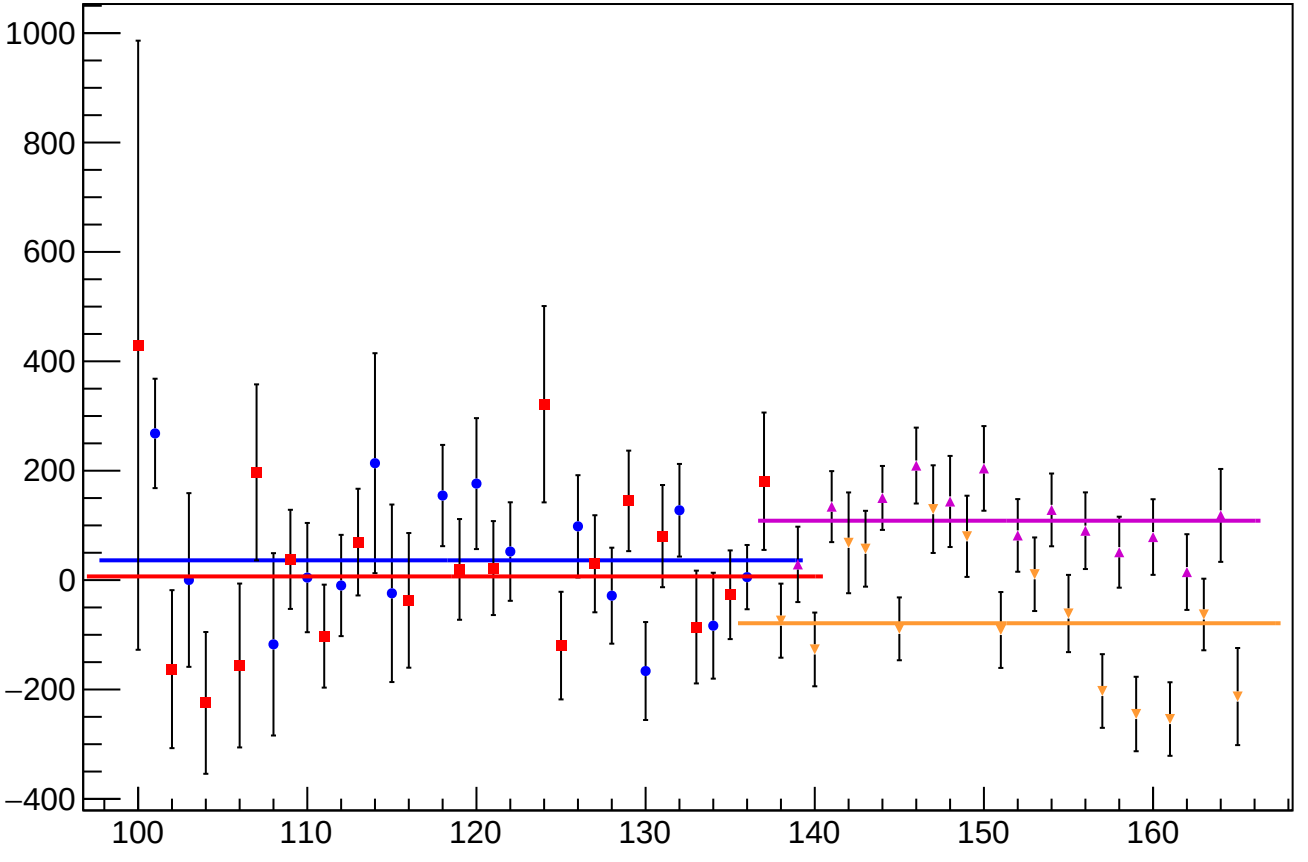
Left In: 354.388+/-0.076 χ^2/NDF:234164.1/12

+ sign 379.970+/-0.063 χ^2/NDF: 1959904.5/30

All: 383.656+/-0.046 χ^2/NDF: 3780770.7/62

- sign 387.614+/-0.066 χ^2/NDF: 1813837.3/31

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -78.855+/-18.103 χ^2/NDF:38.6/14

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

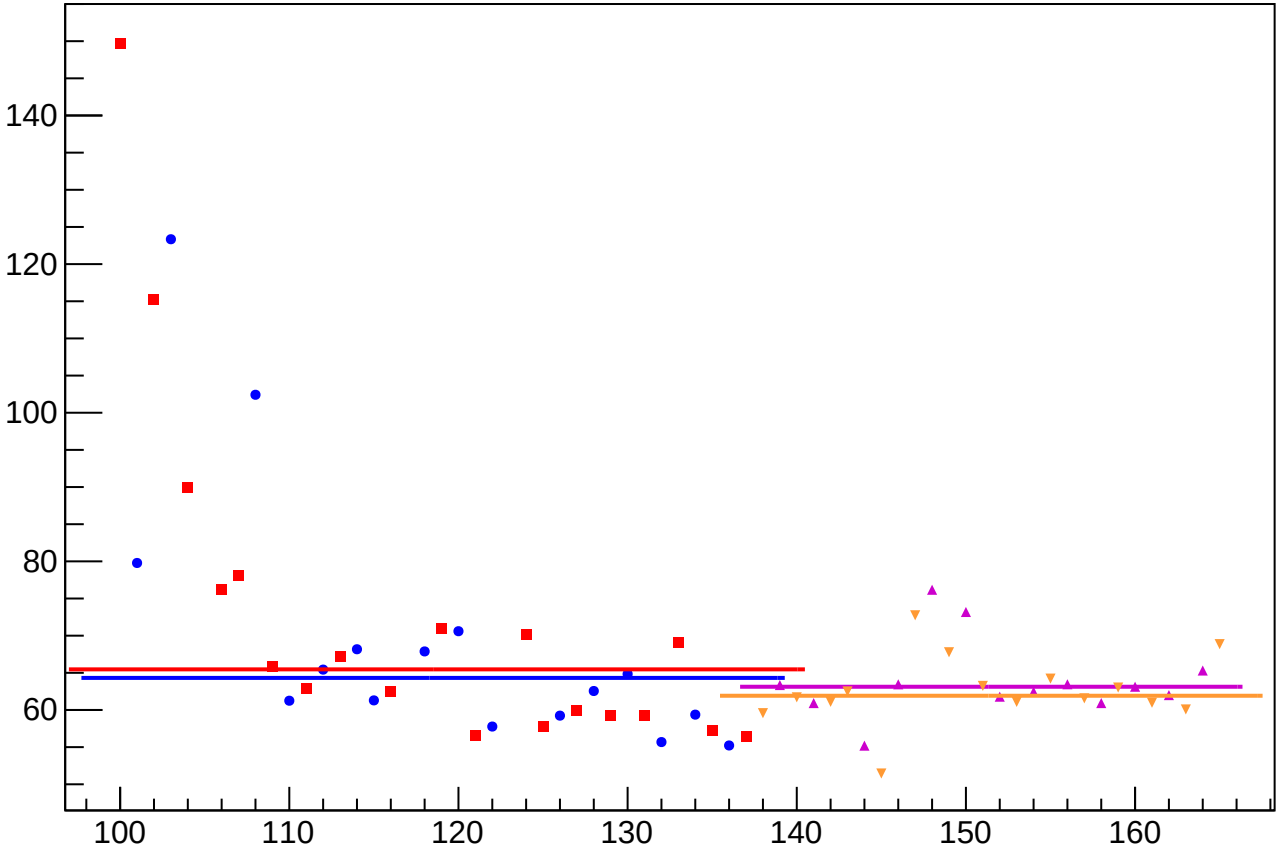
Left In: 108.573+/-19.210 χ^2/NDF:9.0/12

+ sign -38.175+/-14.554 χ^2/NDF: 72.5/30

All: 13.769+/-10.490 χ^2/NDF: 139.0/62

- sign 69.927+/-15.133 χ^2/NDF: 40.0/31

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.915+/-0.013 χ^2/NDF:135947.0/14

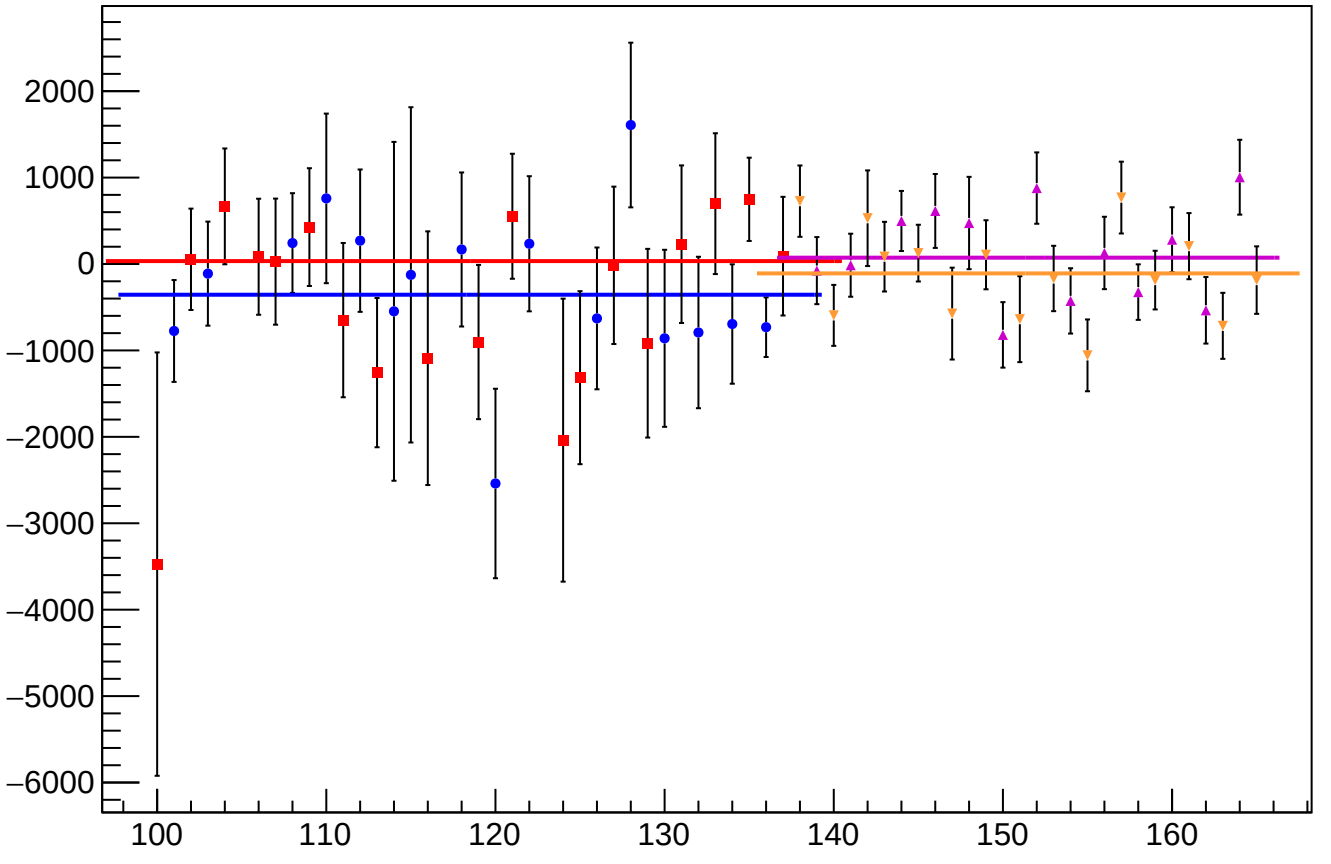
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.126+/-0.014 χ^2/NDF:127269.9/12

+ sign 62.764+/-0.010 χ^2/NDF: 680464.0/30

All: 63.365+/-0.007 χ^2/NDF: 1308445.5/62

- sign 64.014+/-0.011 χ^2/NDF: 620894.7/31



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -108.623+/-103.165 χ^2/NDF:23.3/14

Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

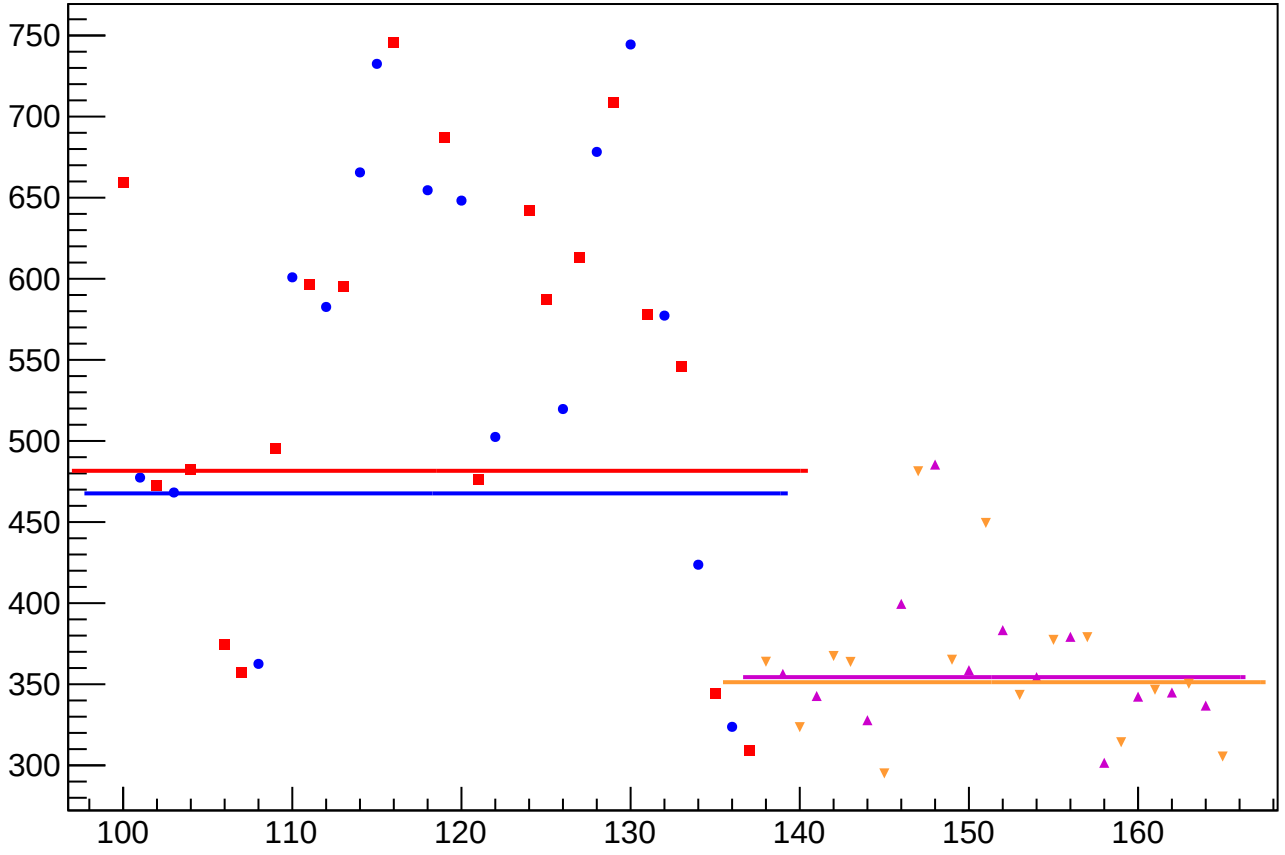
Left In: 73.240+/-107.953 χ^2/NDF:24.0/12

+ sign -169.503+/-89.547 χ^2/NDF: 39.5/30

All: -57.416+/-64.435 χ^2/NDF: 82.1/62

- sign 62.935+/-92.790 χ^2/NDF: 39.4/31

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: 351.267+/-0.073 χ^2/NDF:346078.3/14

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

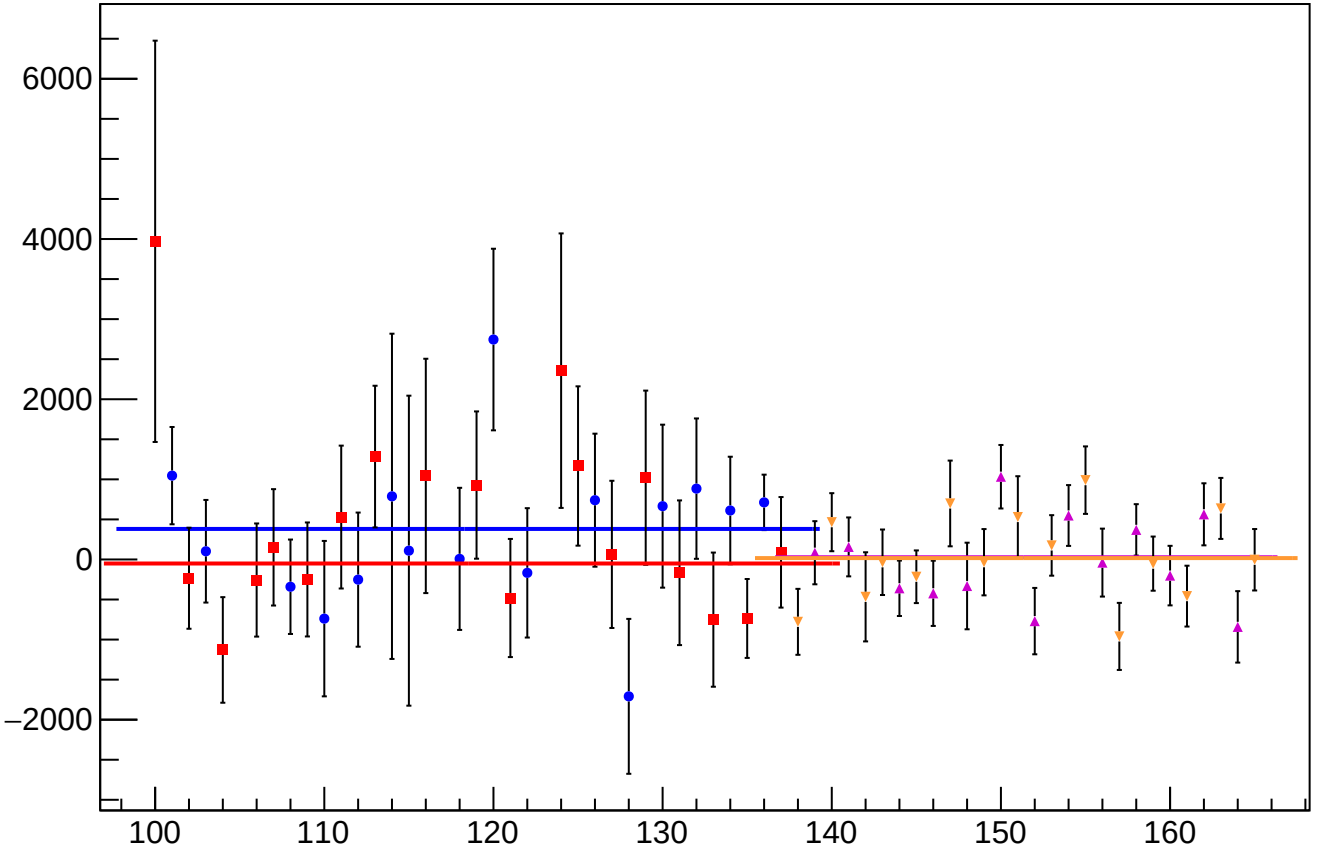
Left In: 354.388+/-0.076 χ^2/NDF:234165.3/12

+ sign 379.970+/-0.063 χ^2/NDF: 1959899.0/30

All: 383.656+/-0.046 χ^2/NDF: 3780757.9/62

- sign 387.614+/-0.066 χ^2/NDF: 1813830.2/31

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 17.059+/-103.745 χ^2/NDF:24.4/14

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

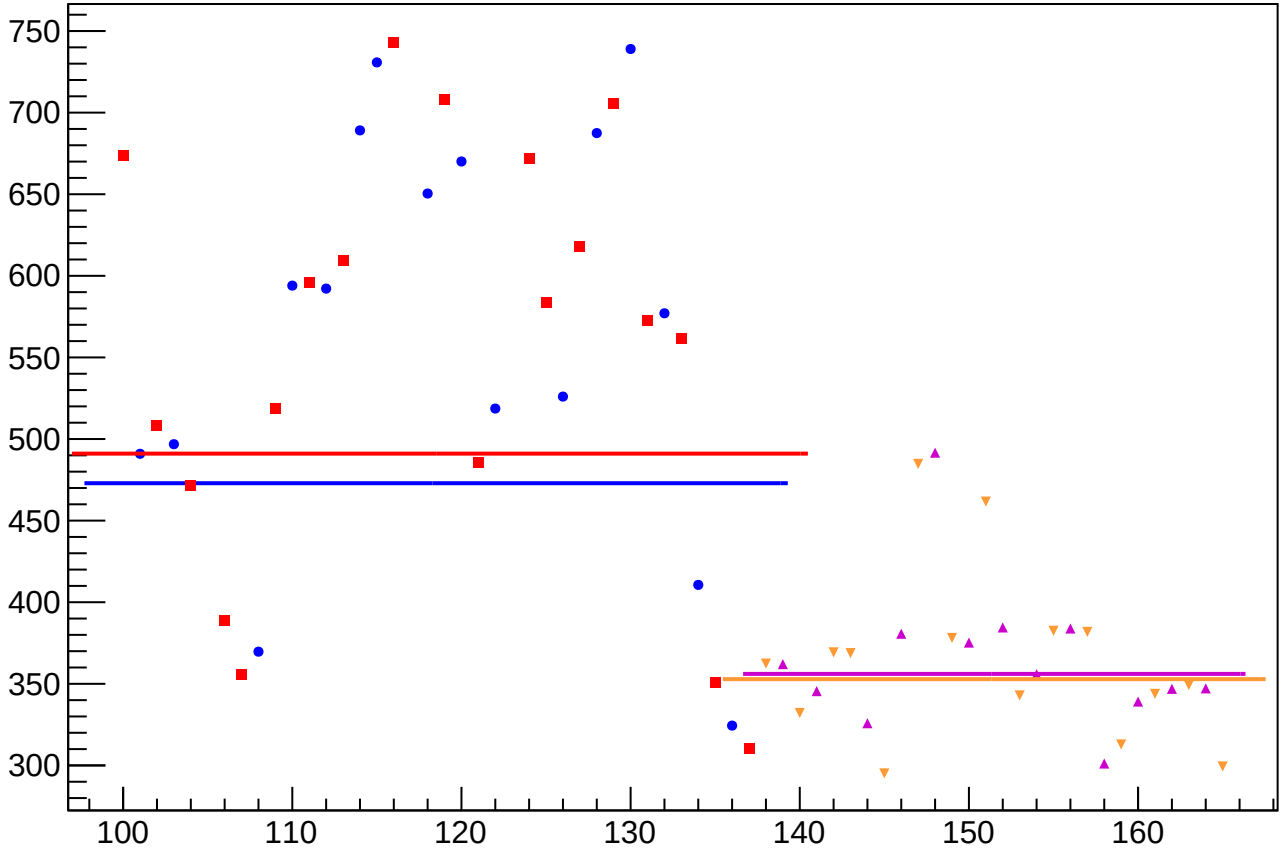
Left In: 27.665+/-108.474 χ^2/NDF:22.3/12

+ sign 105.851+/-90.210 χ^2/NDF: 43.6/30

All: 58.607+/-64.956 χ^2/NDF: 84.1/62

- sign 7.737+/-93.609 χ^2/NDF: 39.9/31

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 352.872+/-0.073 χ^2/NDF:383433.0/14

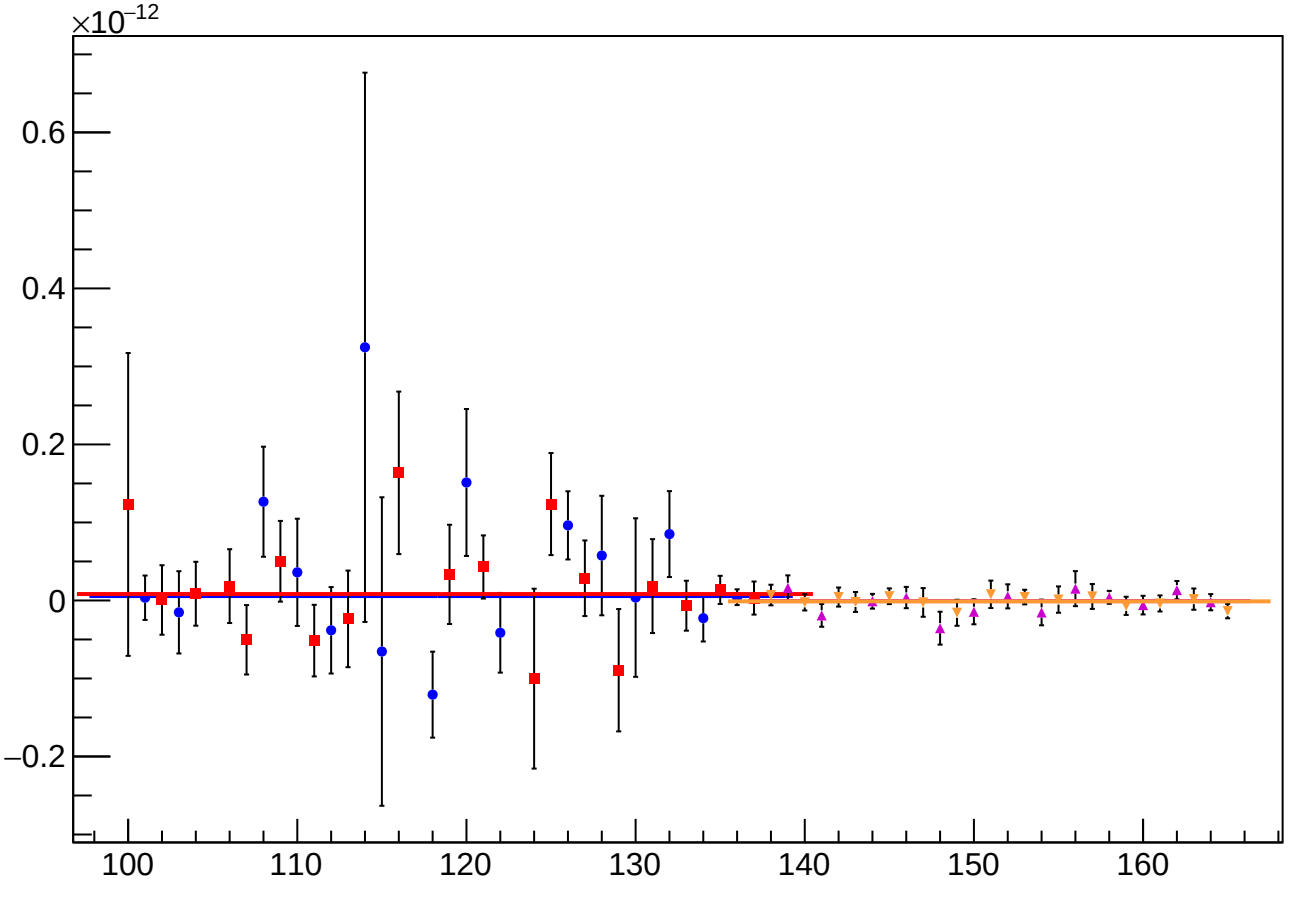
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 356.084+/-0.077 χ^2/NDF:237852.9/12

+ sign 382.155+/-0.064 χ^2/NDF: 2036954.2/30

All: 386.195+/-0.046 χ^2/NDF: 3921247.0/62

- sign 390.545+/-0.066 χ^2/NDF: 1875961.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/14

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

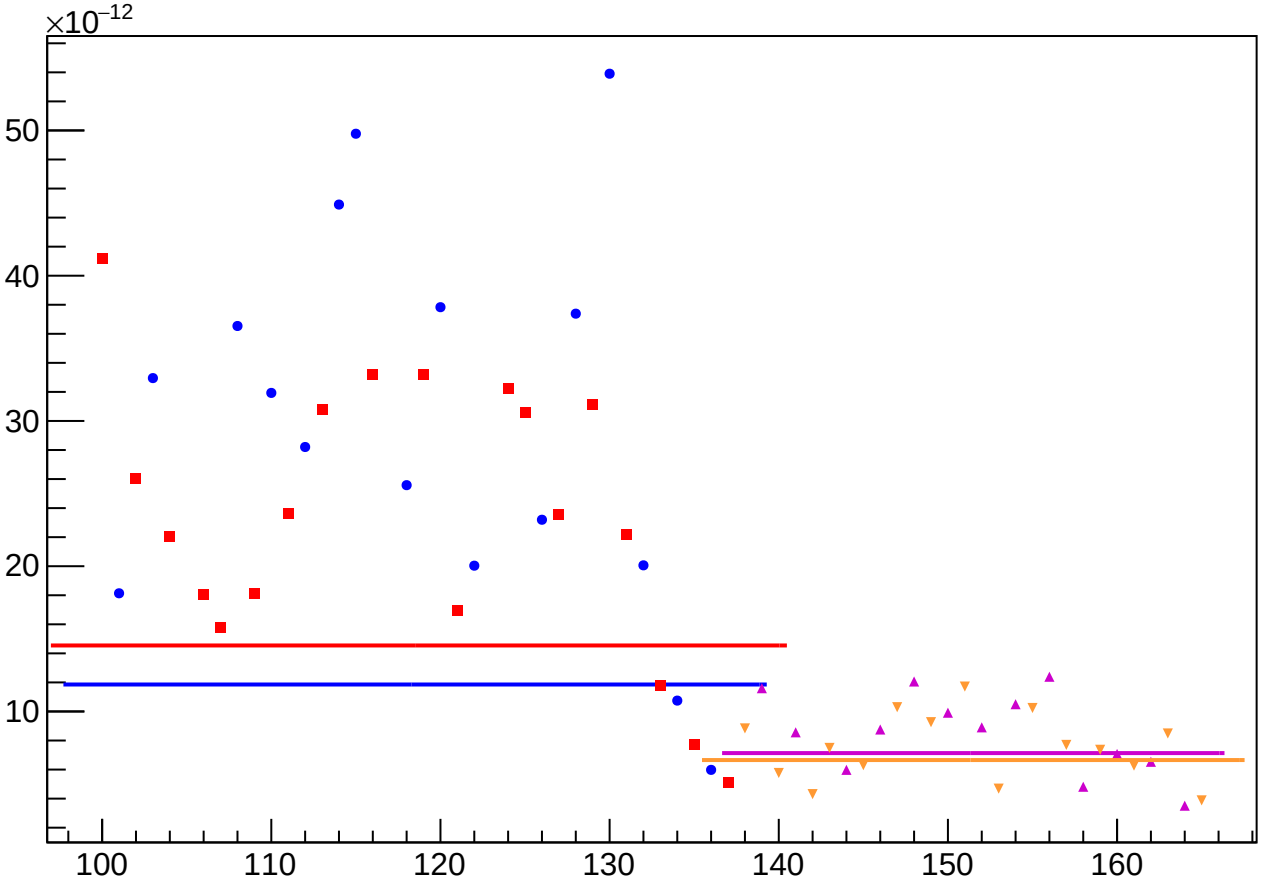
Left In: -0.000+/-0.000 χ^2/NDF:9.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/30

All: 0.000+/-0.000 χ^2/NDF: 51.0/62

- sign 0.000+/-0.000 χ^2/NDF: 24.5/31

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:859911.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

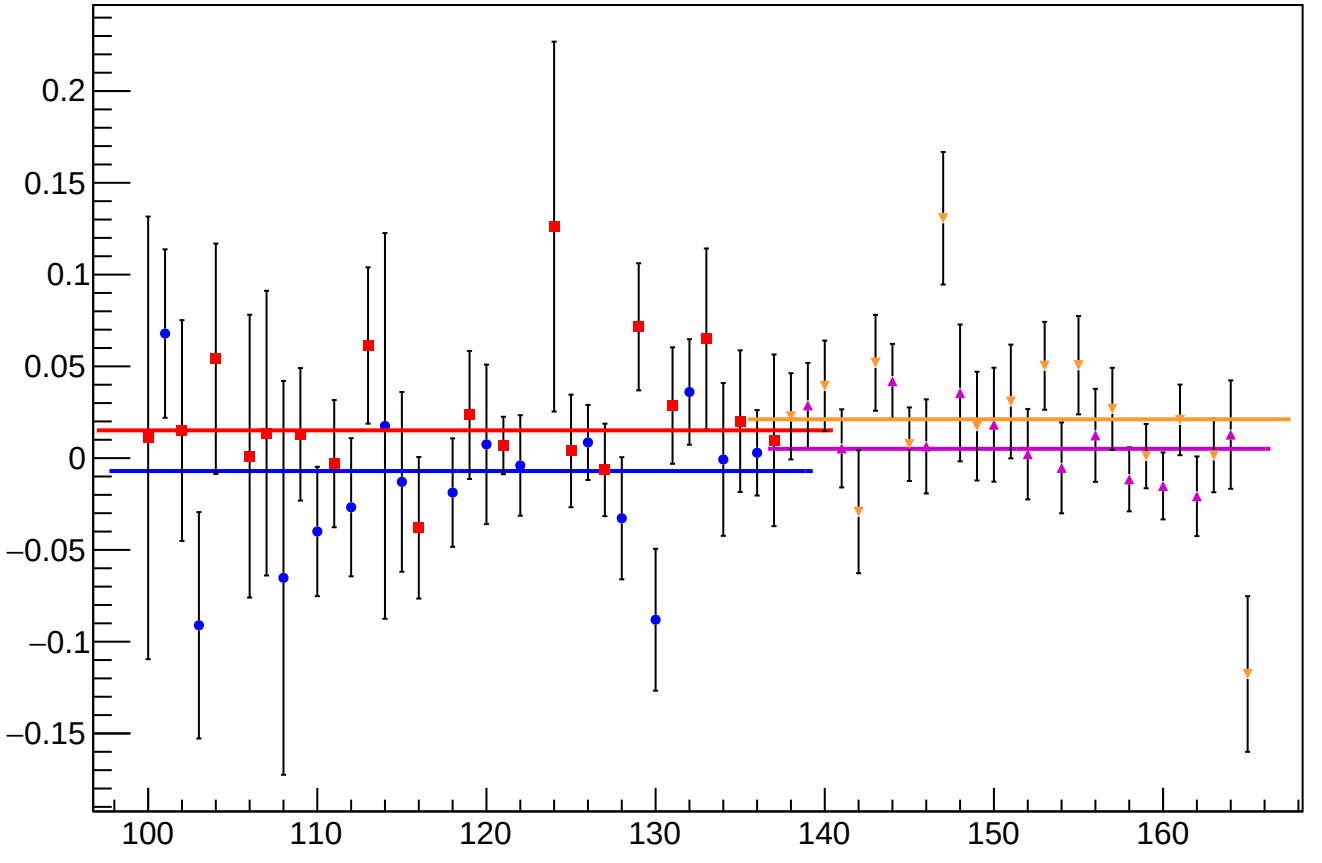
Left In: 0.000+/-0.000 χ^2/NDF:1026653.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 4423193.2/30

All: 0.000+/-0.000 χ^2/NDF: 8384512.4/62

- sign 0.000+/-0.000 χ^2/NDF: 3906070.9/31

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: 0.021+/-0.006 χ^2/NDF:29.7/14

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

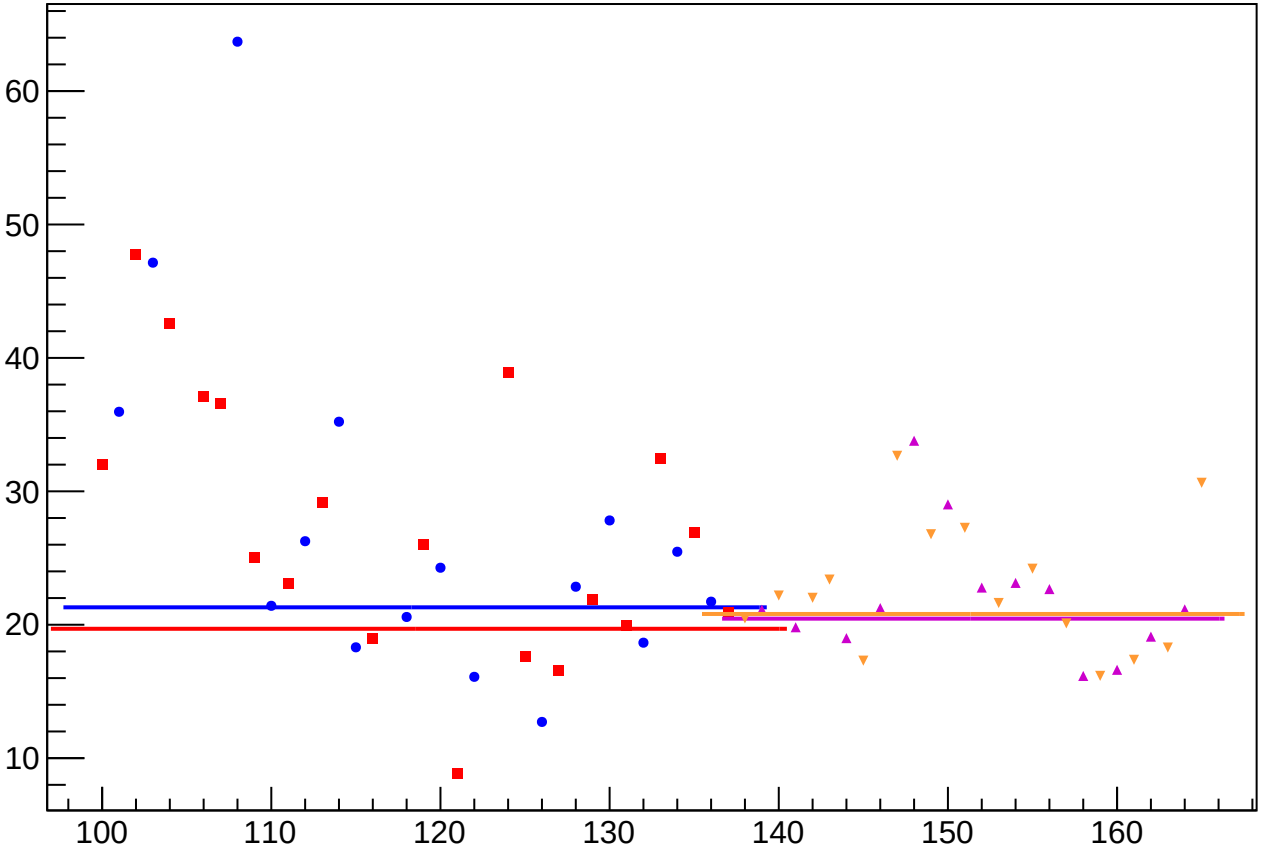
Left In: 0.005+/-0.006 χ^2/NDF:9.1/12

+ sign 0.011+/-0.005 χ^2/NDF: 51.0/30

All: 0.010+/-0.004 χ^2/NDF: 71.2/62

- sign 0.009+/-0.005 χ^2/NDF: 20.1/31

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.807+/-0.004 χ^2/NDF:853169.8/14

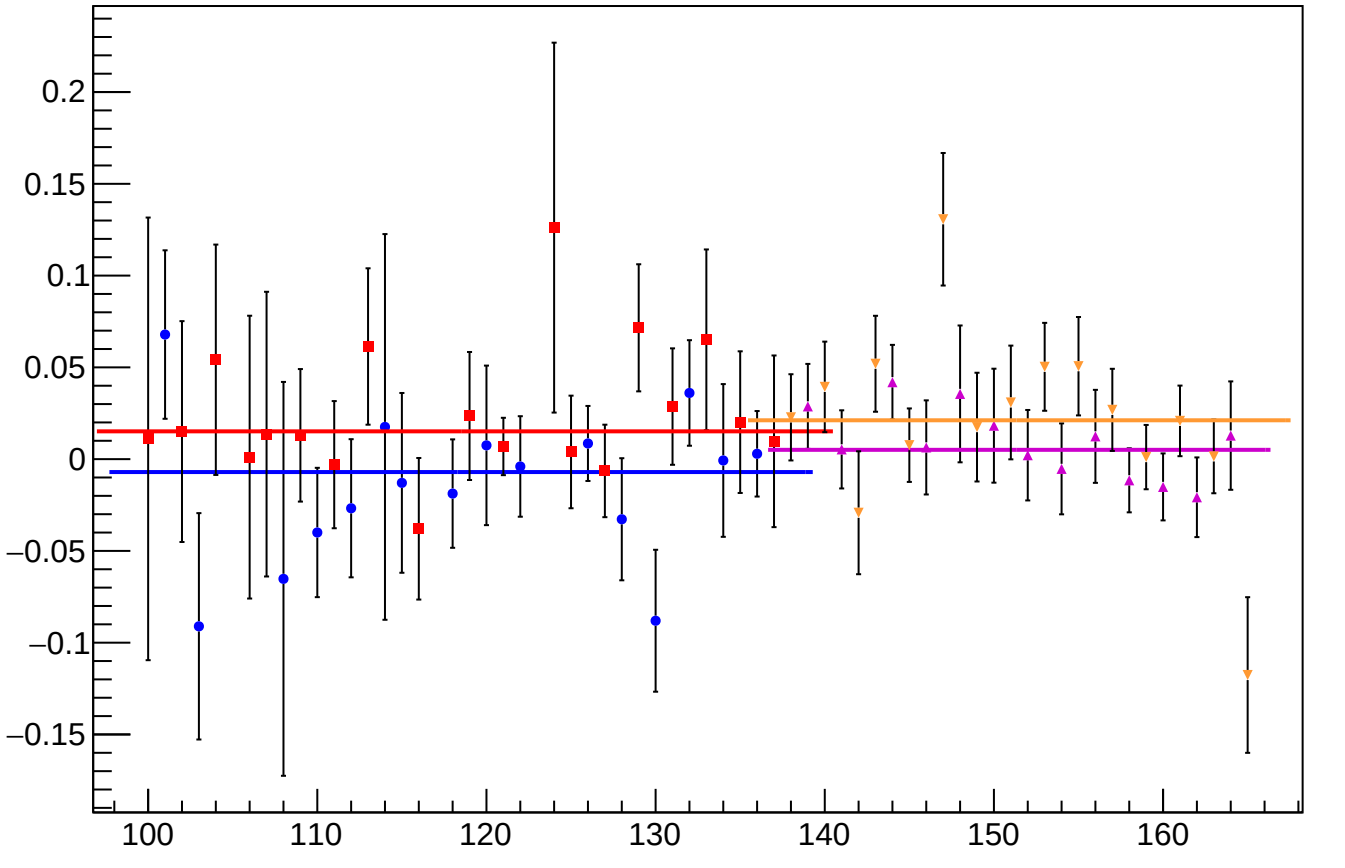
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.456+/-0.005 χ^2/NDF:698767.5/12

+ sign 20.979+/-0.004 χ^2/NDF: 2336935.6/30

All: 20.573+/-0.003 χ^2/NDF: 5510874.6/62

- sign 20.168+/-0.004 χ^2/NDF: 3148306.9/31



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.006 χ^2/NDF:29.7/14

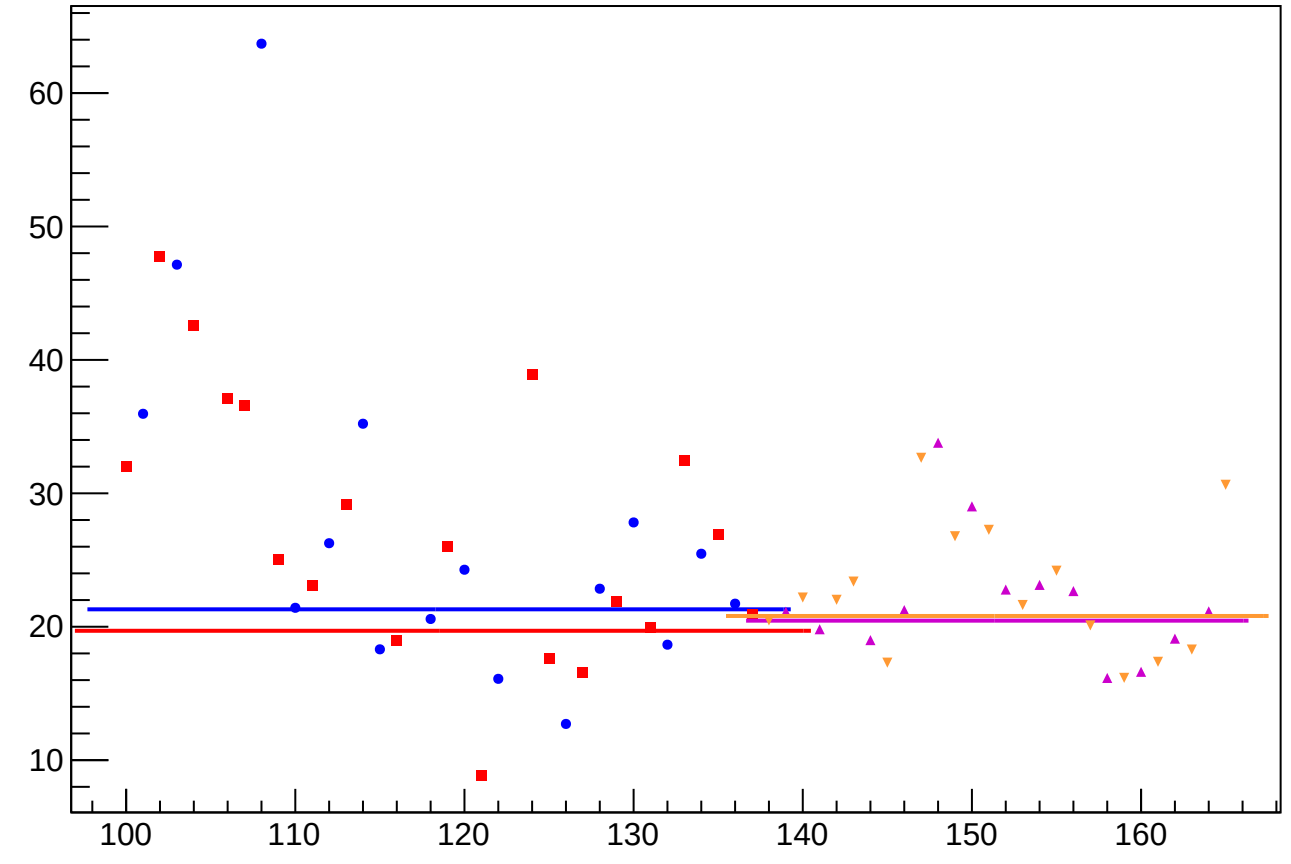
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.005+/-0.006 χ^2/NDF:9.1/12

+ sign 0.011+/-0.005 χ^2/NDF: 51.0/30

All: 0.010+/-0.004 χ^2/NDF: 71.2/62

- sign 0.009+/-0.005 χ^2/NDF: 20.1/31



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.807+/-0.004 χ^2/NDF:853169.8/14

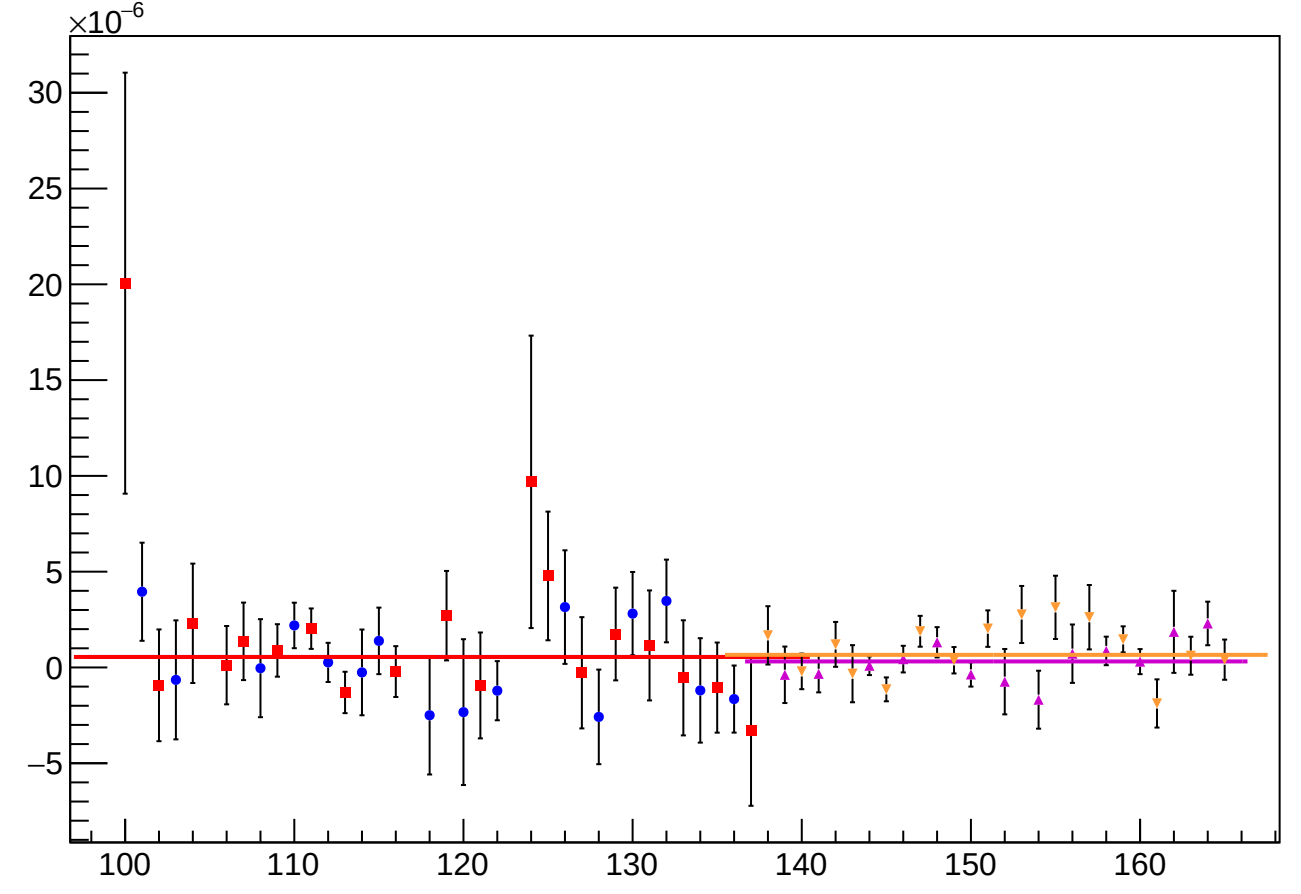
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.456+/-0.005 χ^2/NDF:698767.5/12

+ sign 20.979+/-0.004 χ^2/NDF: 2336935.6/30

All: 20.573+/-0.003 χ^2/NDF: 5510874.6/62

- sign 20.168+/-0.004 χ^2/NDF: 3148306.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/14

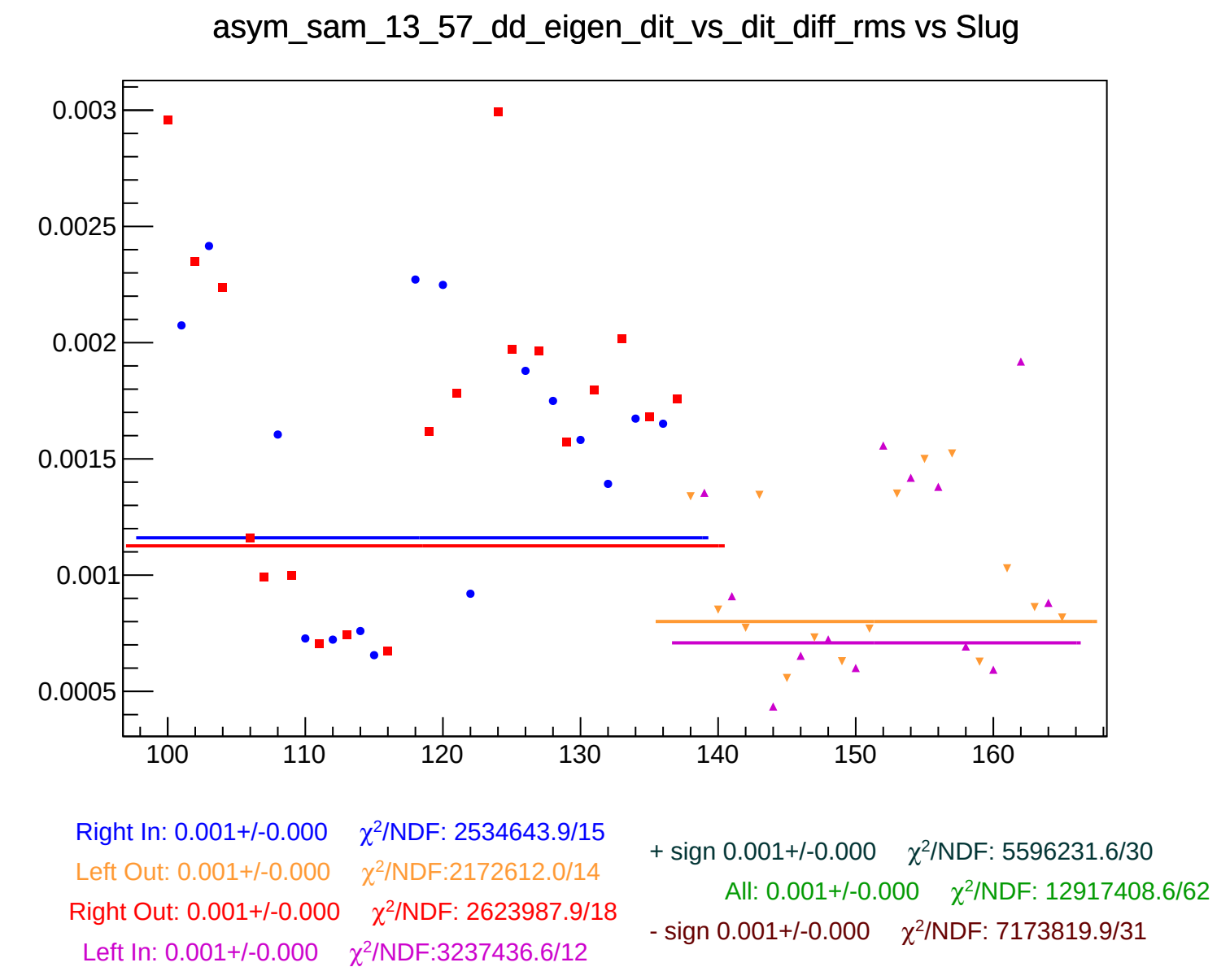
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

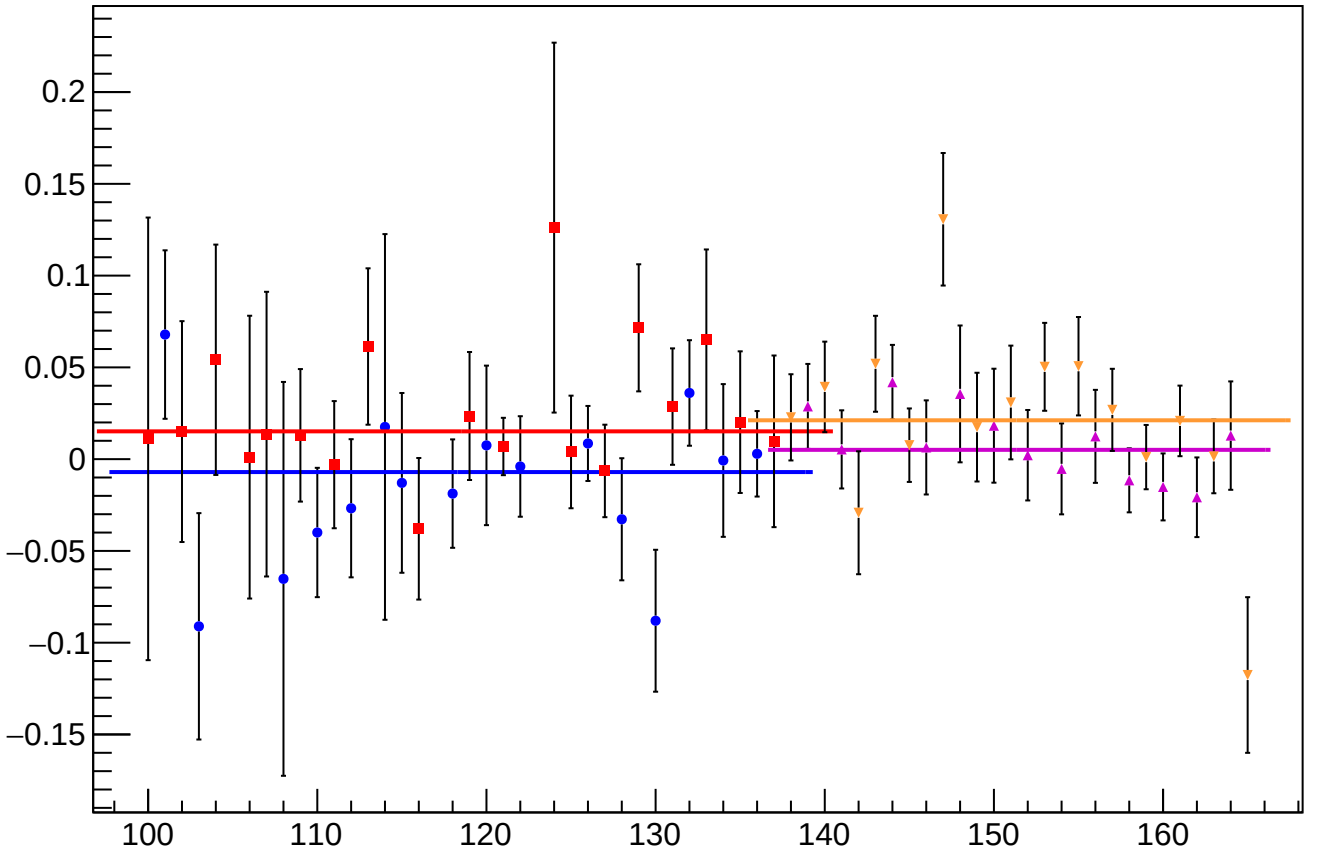
Left In: 0.000+/-0.000 χ^2/NDF:9.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 40.5/30

All: 0.000+/-0.000 χ^2/NDF: 66.8/62

- sign 0.000+/-0.000 χ^2/NDF: 25.5/31


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2172612.0/14
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:3237436.6/12
+ sign 0.001+/-0.000 χ²/NDF: 5596231.6/30
All: 0.001+/-0.000 χ²/NDF: 12917408.6/62
- sign 0.001+/-0.000 χ²/NDF: 7173819.9/31



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.006 χ^2/NDF:29.7/14

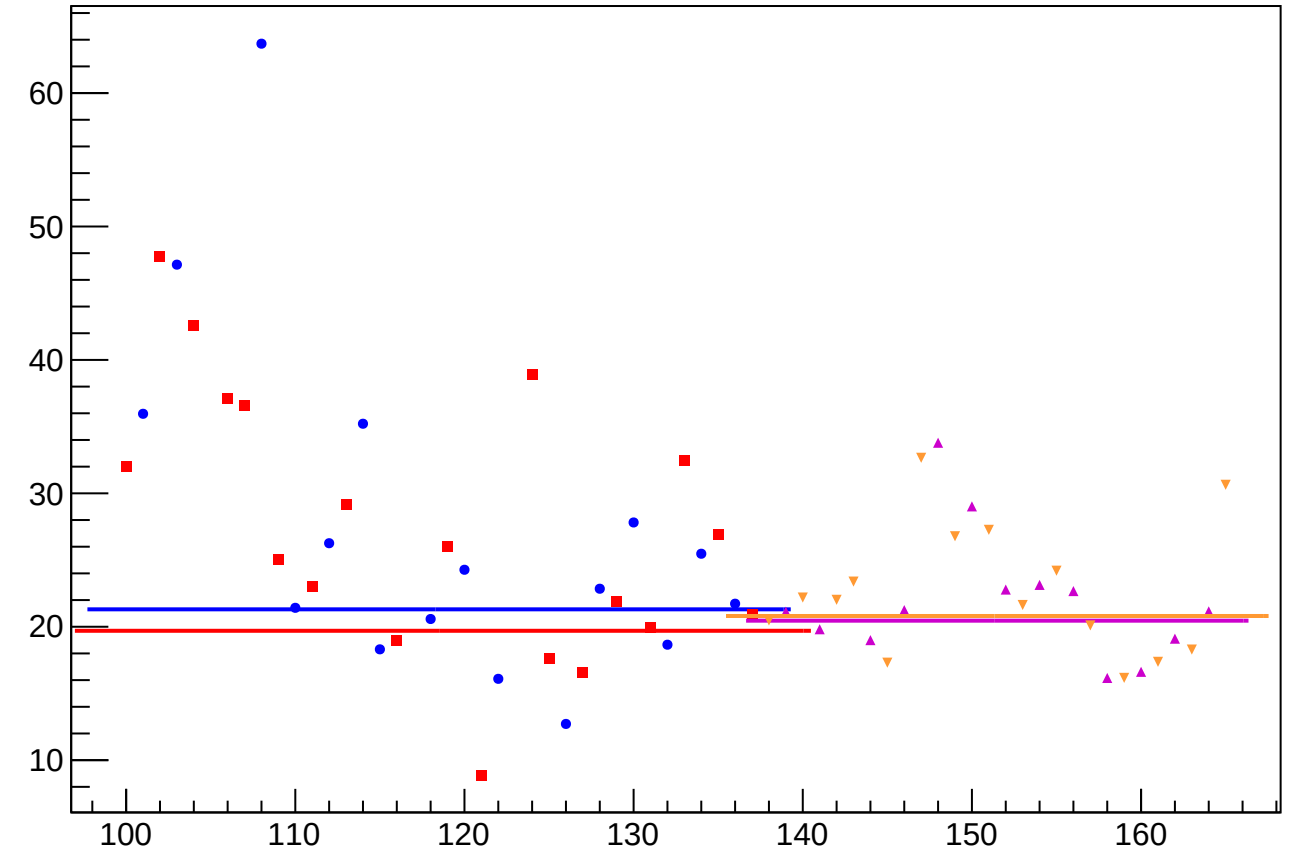
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.005+/-0.006 χ^2/NDF:9.1/12

+ sign 0.011+/-0.005 χ^2/NDF: 51.0/30

All: 0.010+/-0.004 χ^2/NDF: 71.2/62

- sign 0.009+/-0.005 χ^2/NDF: 20.1/31



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.807+/-0.004 χ^2/NDF:853304.7/14

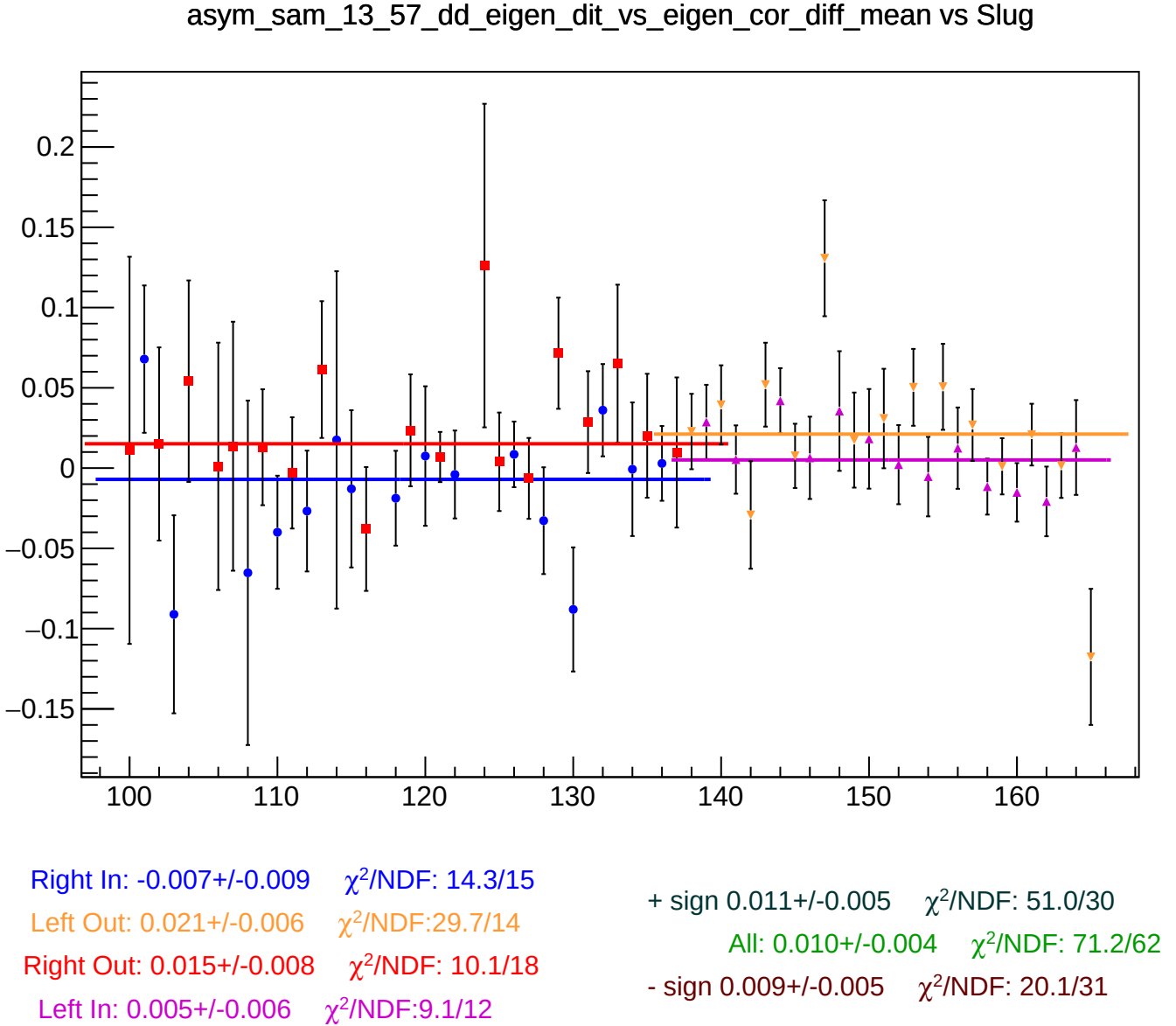
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

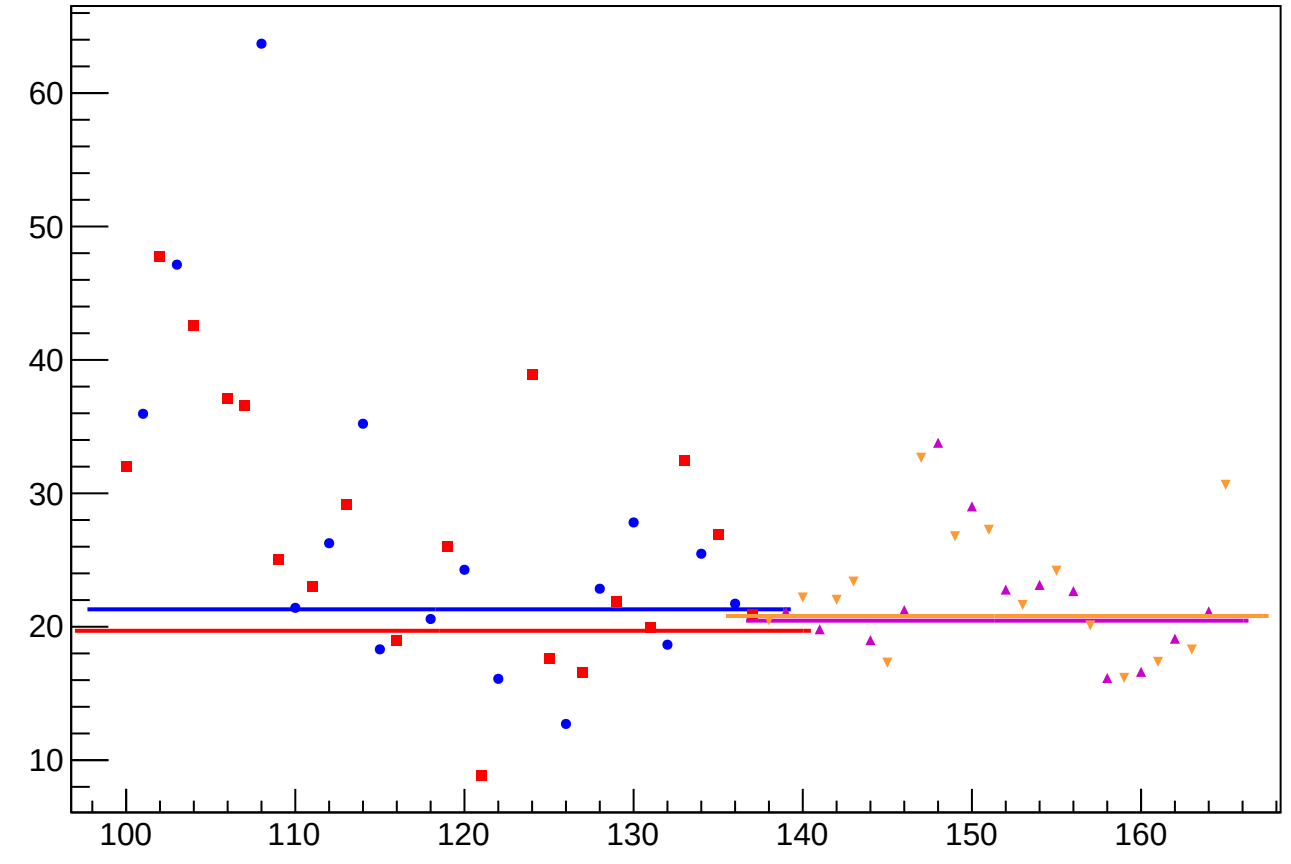
Left In: 20.456+/-0.005 χ^2/NDF:698883.9/12

+ sign 20.980+/-0.004 χ^2/NDF: 2336909.8/30

All: 20.573+/-0.003 χ^2/NDF: 5510568.5/62

- sign 20.168+/-0.004 χ^2/NDF: 3148036.0/31


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.021+/-0.006 χ²/NDF:29.7/14
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.005+/-0.006 χ²/NDF:9.1/12
+ sign 0.011+/-0.005 χ²/NDF: 51.0/30
All: 0.010+/-0.004 χ²/NDF: 71.2/62
- sign 0.009+/-0.005 χ²/NDF: 20.1/31



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.807+/-0.004 χ^2/NDF:853304.7/14

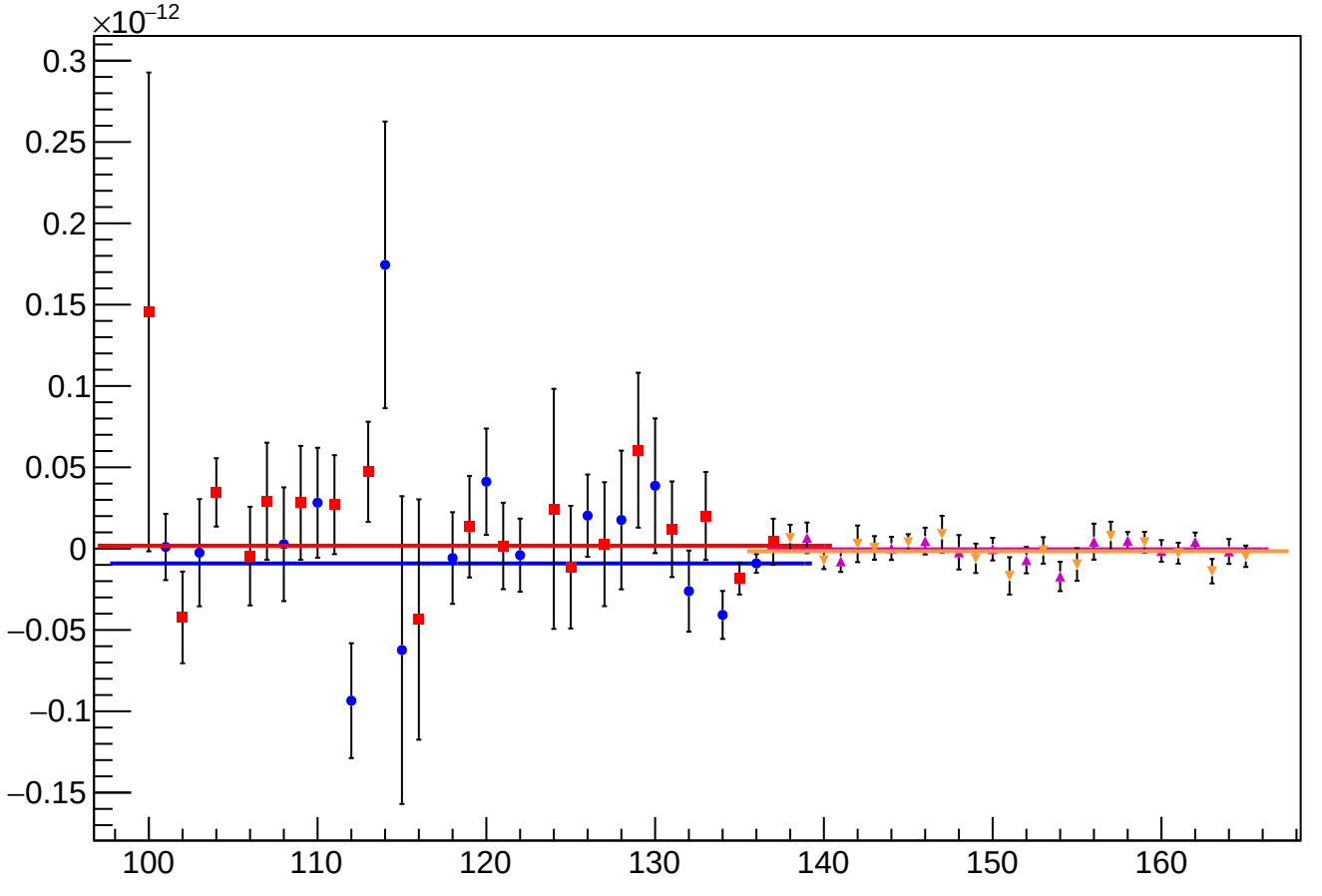
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.456+/-0.005 χ^2/NDF:698883.9/12

+ sign 20.980+/-0.004 χ^2/NDF: 2336909.8/30

All: 20.573+/-0.003 χ^2/NDF: 5510568.5/62

- sign 20.168+/-0.004 χ^2/NDF: 3148036.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/14

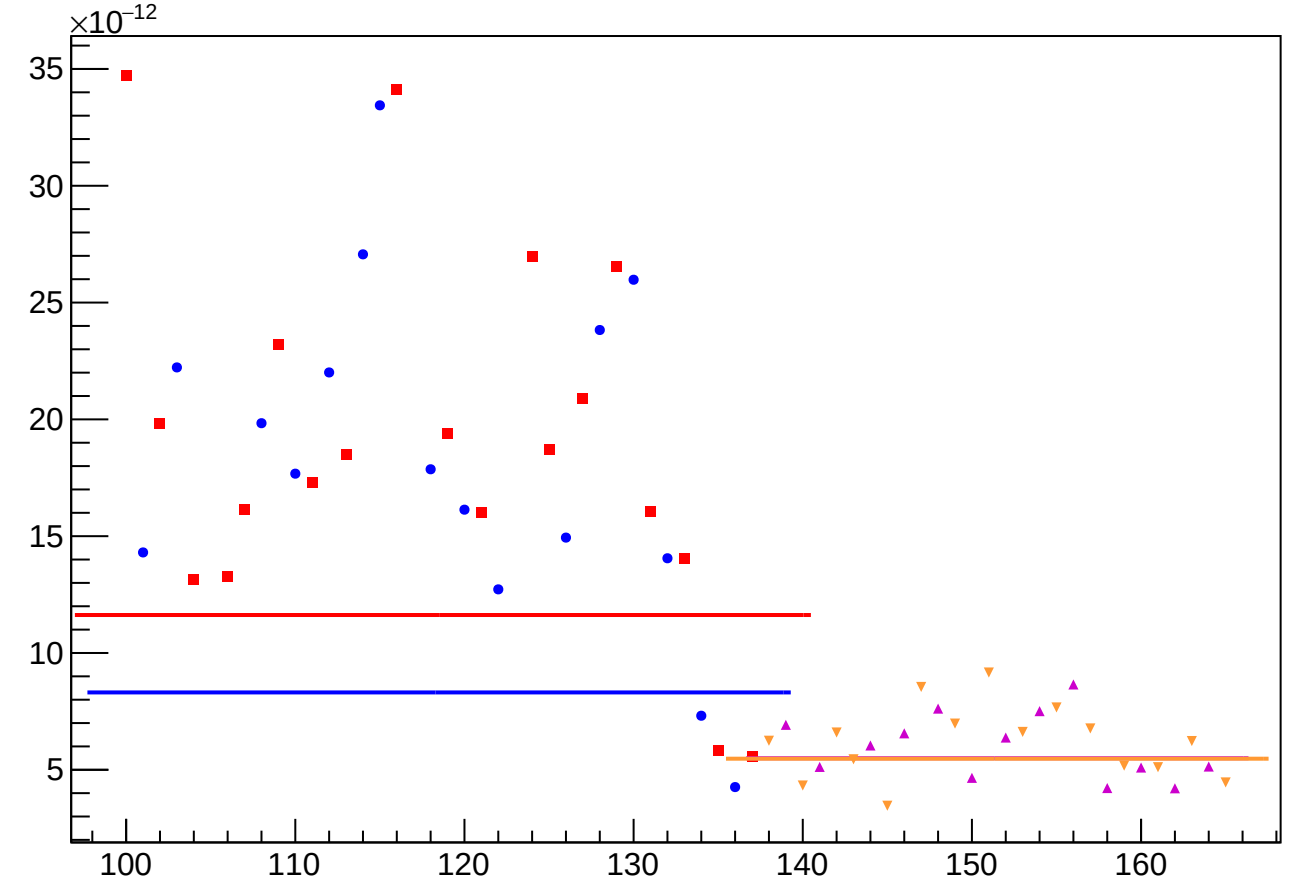
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/12

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/30

All: -0.000+/-0.000 χ^2/NDF: 63.1/62

- sign -0.000+/-0.000 χ^2/NDF: 25.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1118094.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

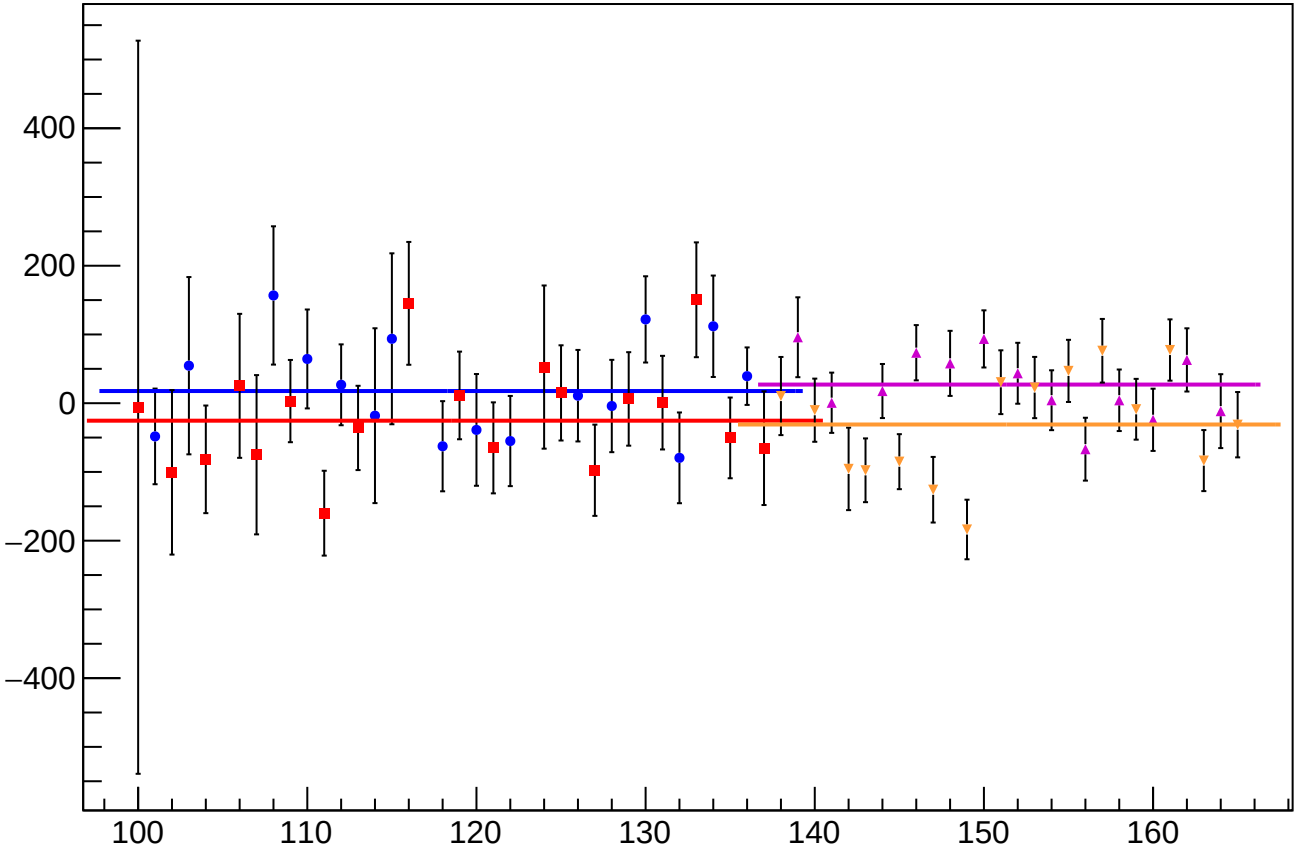
Left In: 0.000+/-0.000 χ^2/NDF:723373.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 5523199.9/30

All: 0.000+/-0.000 χ^2/NDF: 10941970.7/62

- sign 0.000+/-0.000 χ^2/NDF: 5395964.3/31

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.990+/-11.944 χ^2/NDF:41.3/14

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

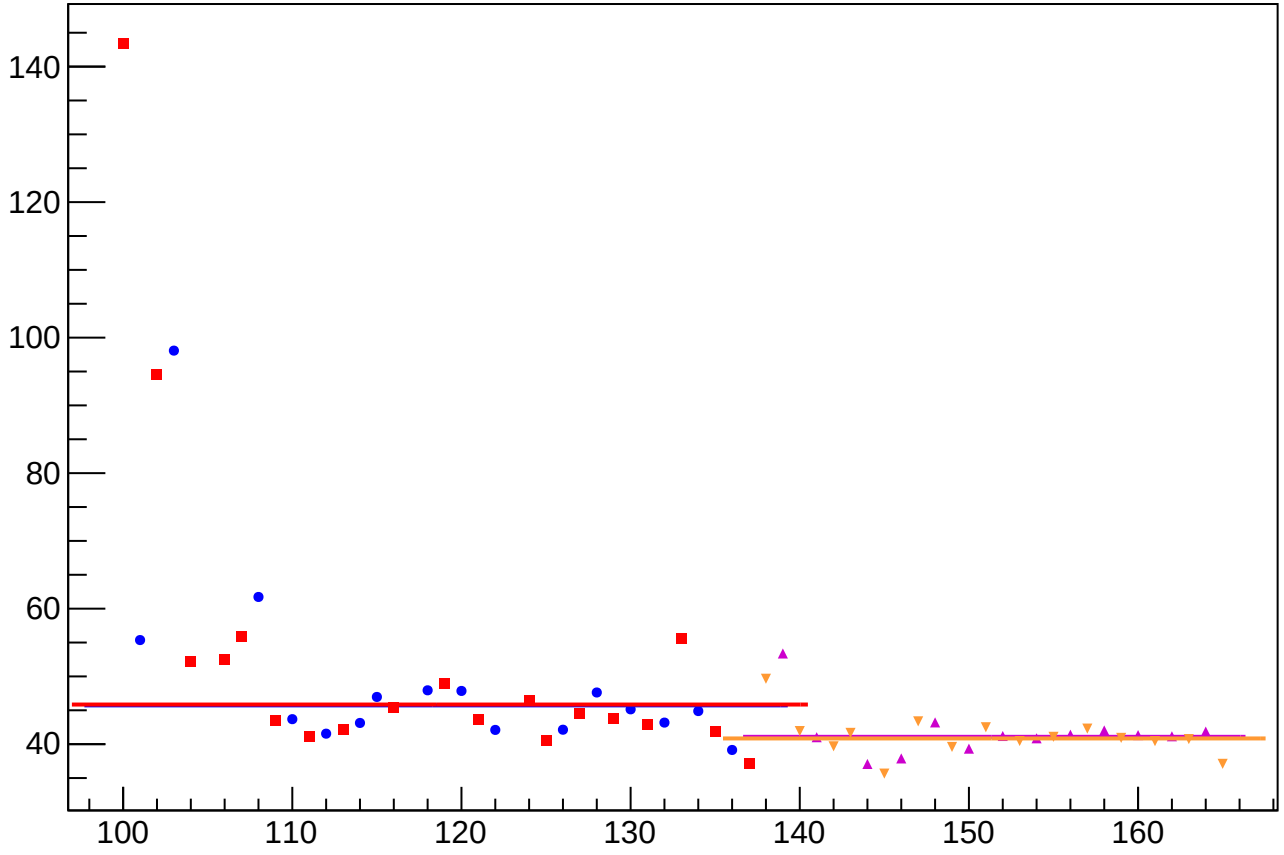
Left In: 27.106+/-12.473 χ^2/NDF:13.4/12

+ sign -15.480+/-9.860 χ^2/NDF: 60.5/30

All: -3.475+/-7.064 χ^2/NDF: 100.9/62

- sign 9.184+/-10.125 χ^2/NDF: 37.3/31

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 40.845+/-0.008 χ^2/NDF:108710.2/14

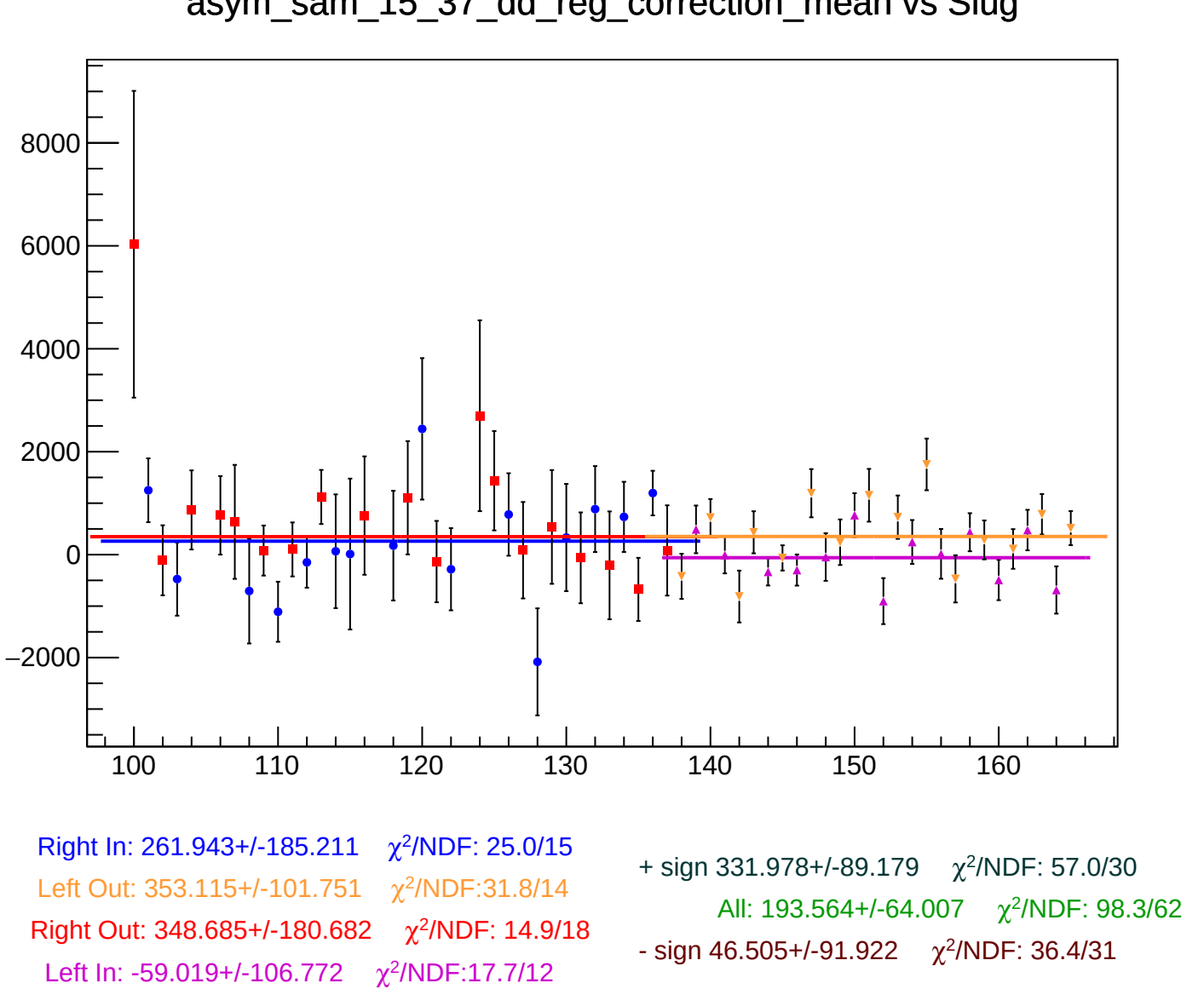
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

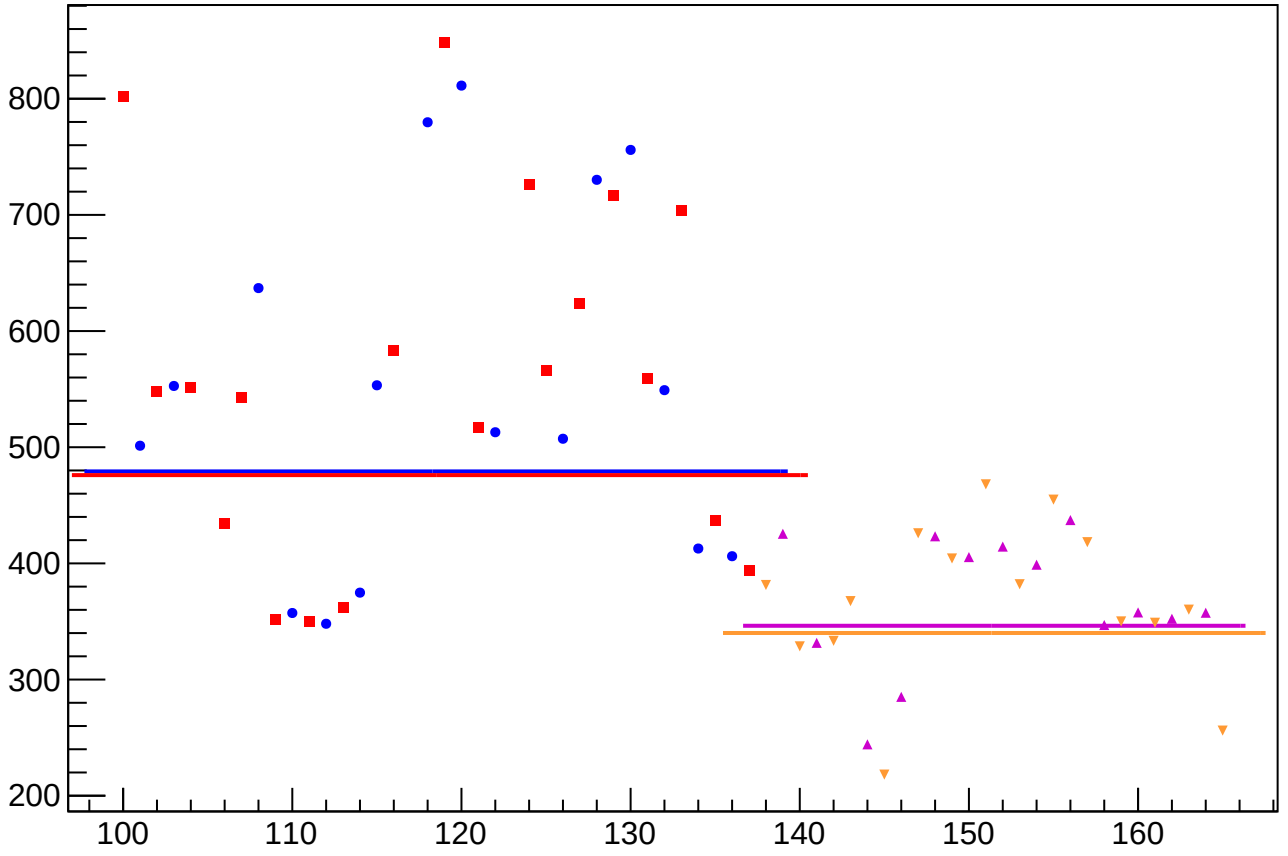
+ sign 42.400+/-0.007 χ^2/NDF: 716577.9/30

All: 42.551+/-0.005 χ^2/NDF: 1489235.5/62

- sign 42.709+/-0.007 χ^2/NDF: 771700.2/31


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.943+/-185.211 χ²/NDF: 25.0/15
Left Out: 353.115+/-101.751 χ²/NDF:31.8/14
Right Out: 348.685+/-180.682 χ²/NDF: 14.9/18
Left In: -59.019+/-106.772 χ²/NDF:17.7/12
+ sign 331.978+/-89.179 χ²/NDF: 57.0/30
All: 193.564+/-64.007 χ²/NDF: 98.3/62
- sign 46.505+/-91.922 χ²/NDF: 36.4/31

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 340.090+/-0.072 χ^2/NDF:1075157.2/14

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

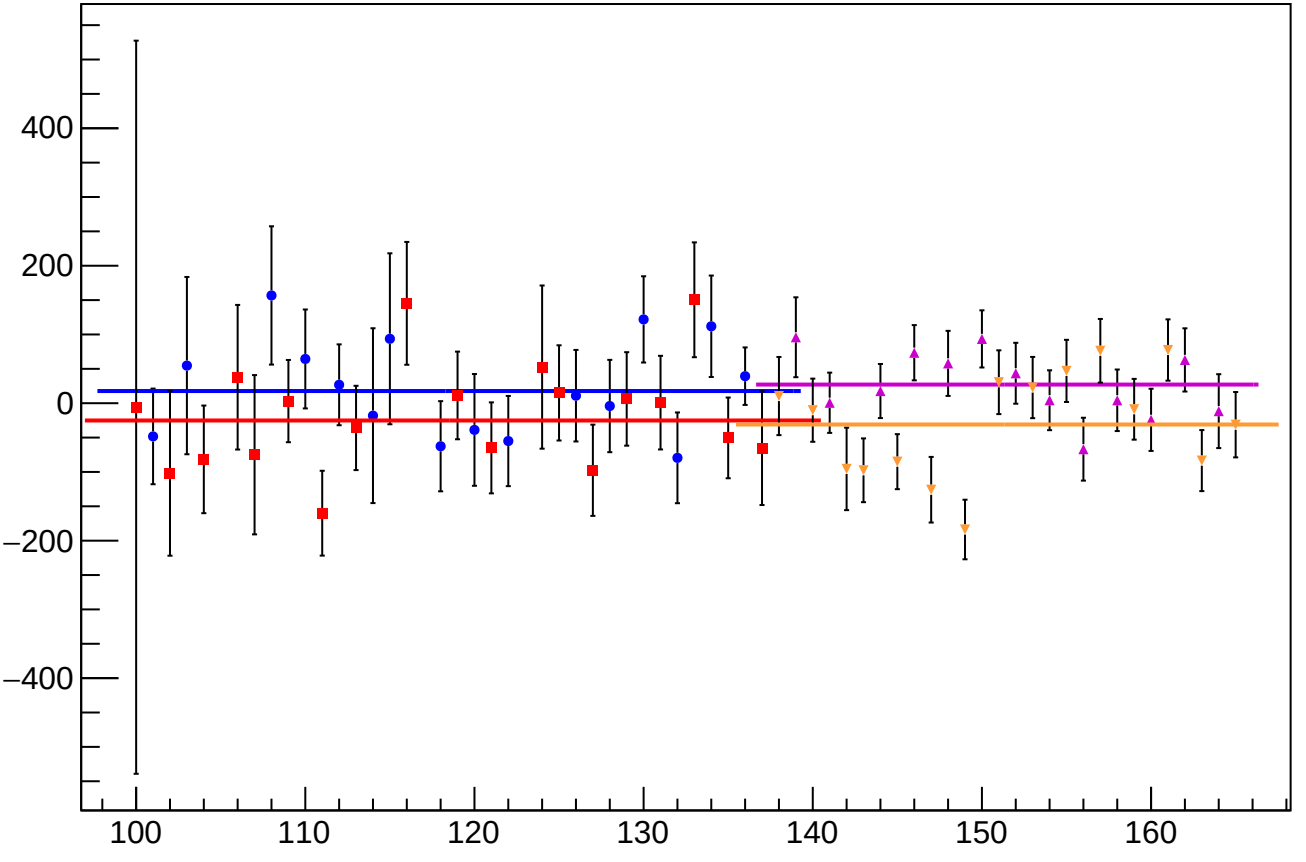
Left In: 346.303+/-0.075 χ^2/NDF:685595.7/12

+ sign 372.336+/-0.063 χ^2/NDF: 2894263.6/30

All: 375.989+/-0.045 χ^2/NDF: 5356968.1/62

- sign 379.870+/-0.065 χ^2/NDF: 2455784.2/31

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.992+/-11.944 χ^2/NDF:41.3/14

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

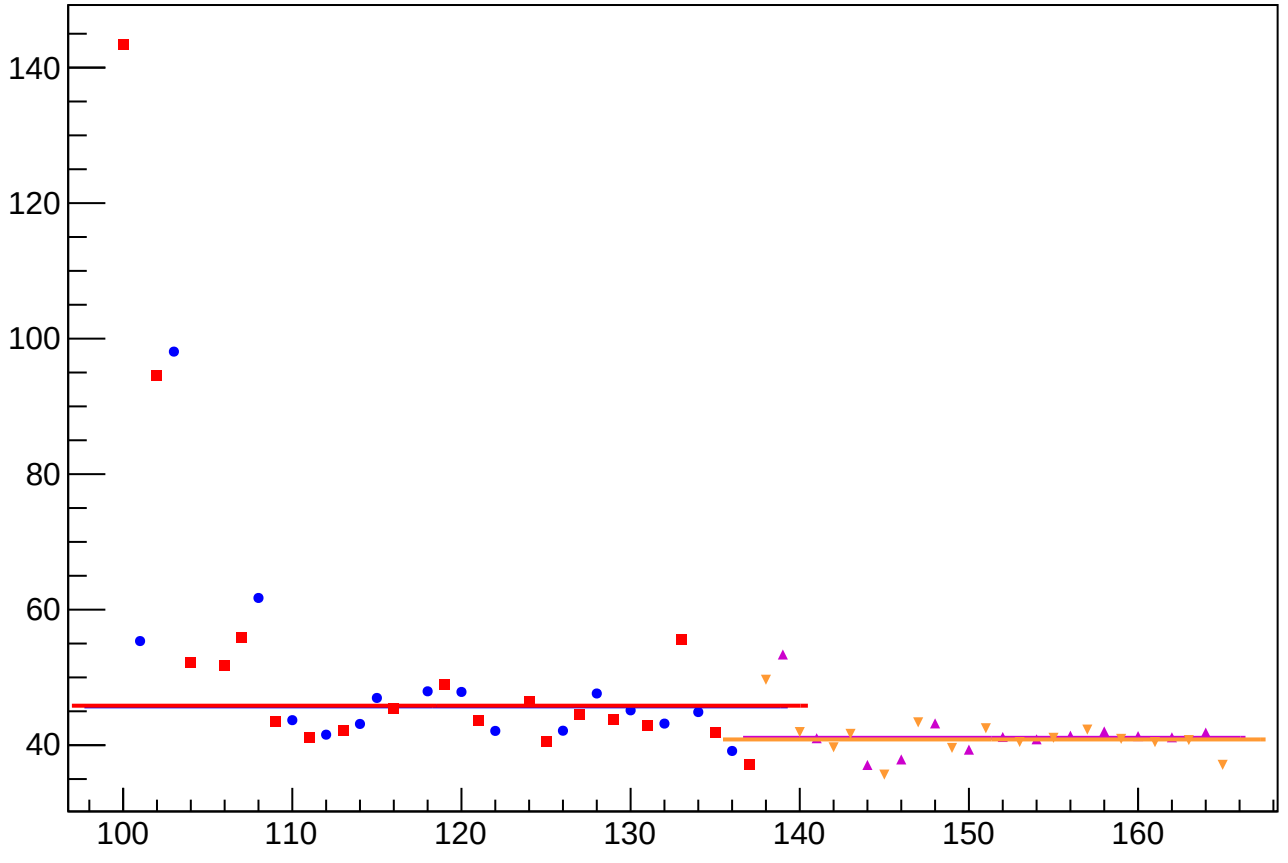
Left In: 27.106+/-12.473 χ^2/NDF:13.4/12

+ sign -15.480+/-9.860 χ^2/NDF: 60.5/30

All: -3.424+/-7.064 χ^2/NDF: 101.0/62

- sign 9.288+/-10.125 χ^2/NDF: 37.4/31

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.845+/-0.008 χ^2/NDF:108710.2/14

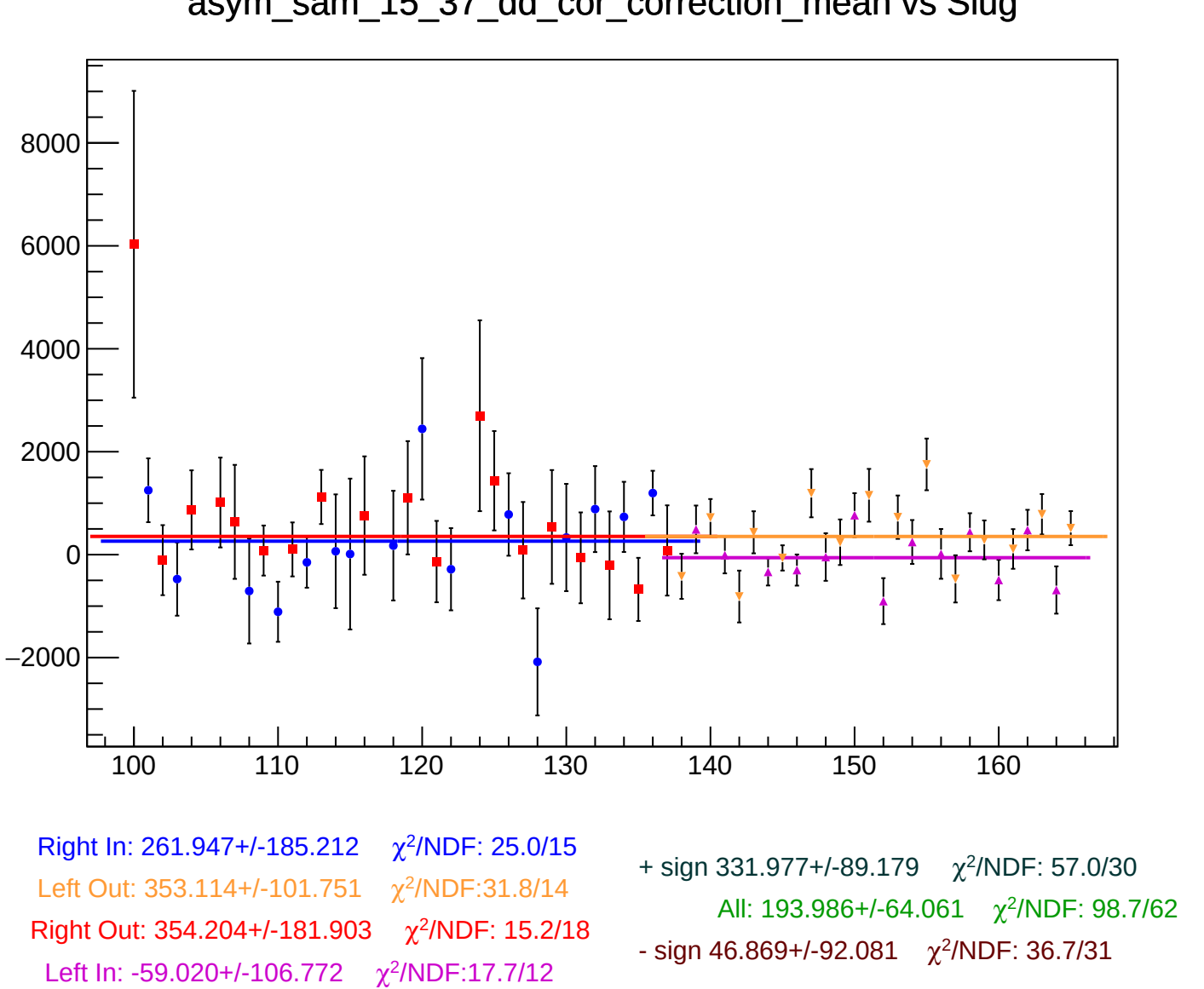
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

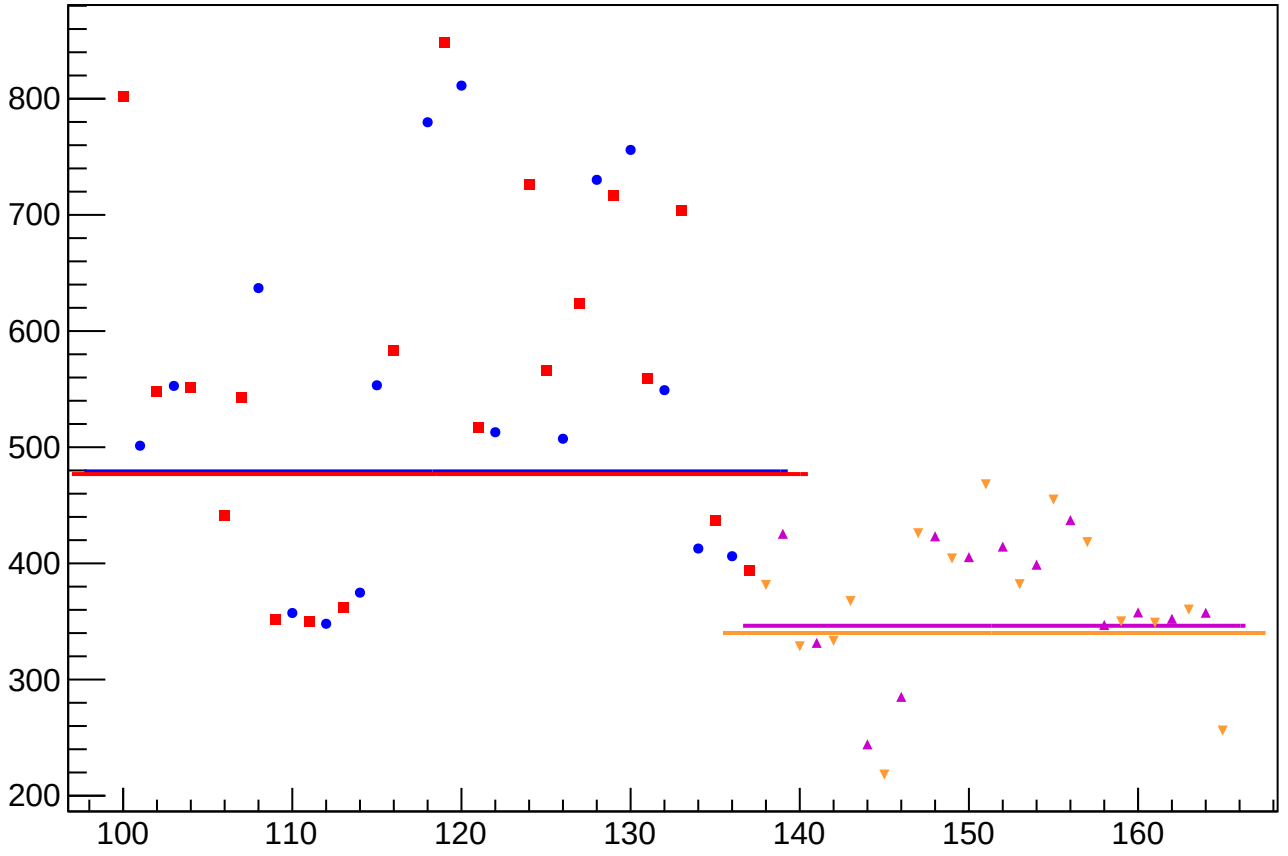
+ sign 42.400+/-0.007 χ^2/NDF: 716580.9/30

All: 42.547+/-0.005 χ^2/NDF: 1486489.3/62

- sign 42.701+/-0.007 χ^2/NDF: 769002.4/31


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 353.114+/-101.751 χ²/NDF:31.8/14
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -59.020+/-106.772 χ²/NDF:17.7/12
+ sign 331.977+/-89.179 χ²/NDF: 57.0/30
All: 193.986+/-64.061 χ²/NDF: 98.7/62
- sign 46.869+/-92.081 χ²/NDF: 36.7/31

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 340.090+/-0.072 χ^2/NDF:1075155.4/14

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

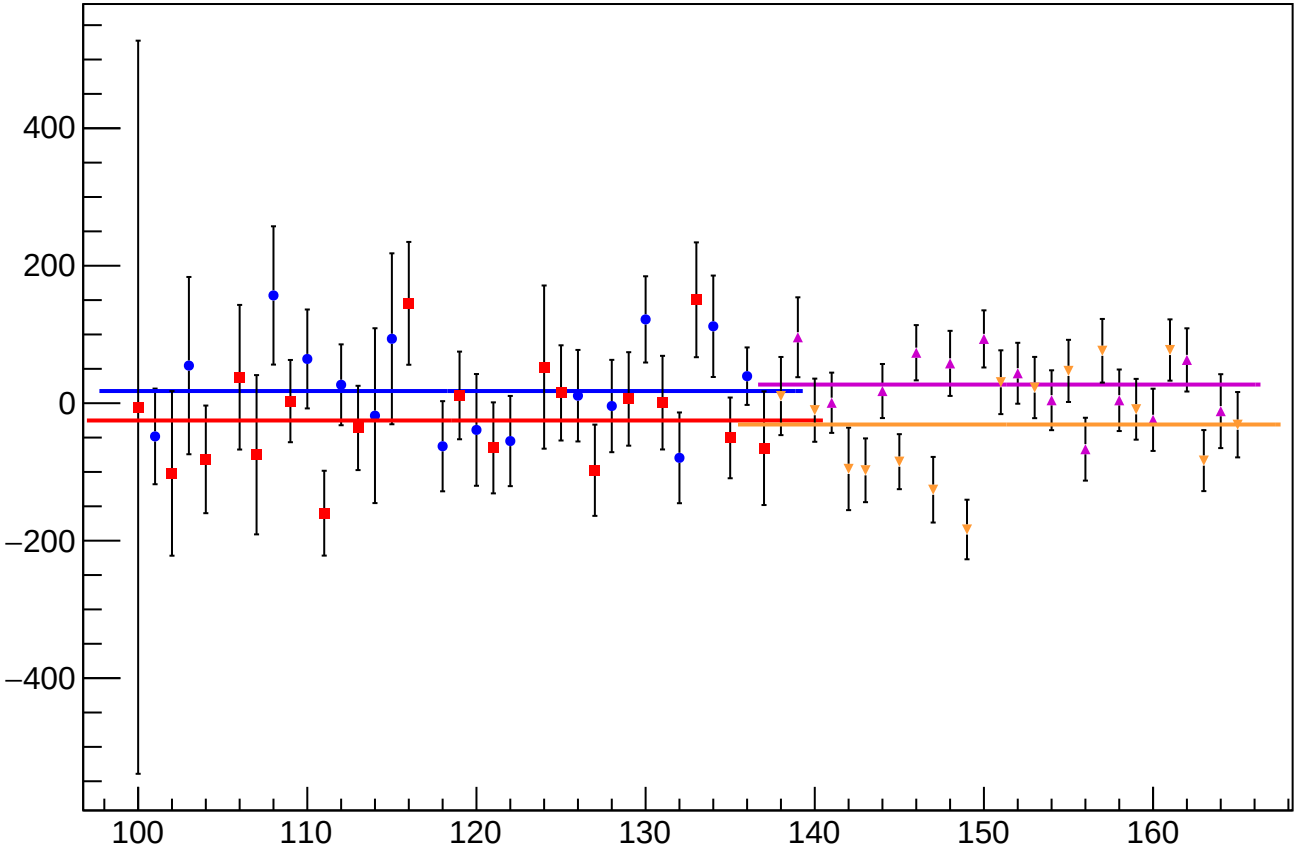
Left In: 346.304+/-0.075 χ^2/NDF:685596.1/12

+ sign 372.337+/-0.063 χ^2/NDF: 2894310.1/30

All: 375.933+/-0.045 χ^2/NDF: 5357037.0/62

- sign 379.767+/-0.065 χ^2/NDF: 2456006.9/31

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.992+/-11.944 χ^2/NDF:41.3/14

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

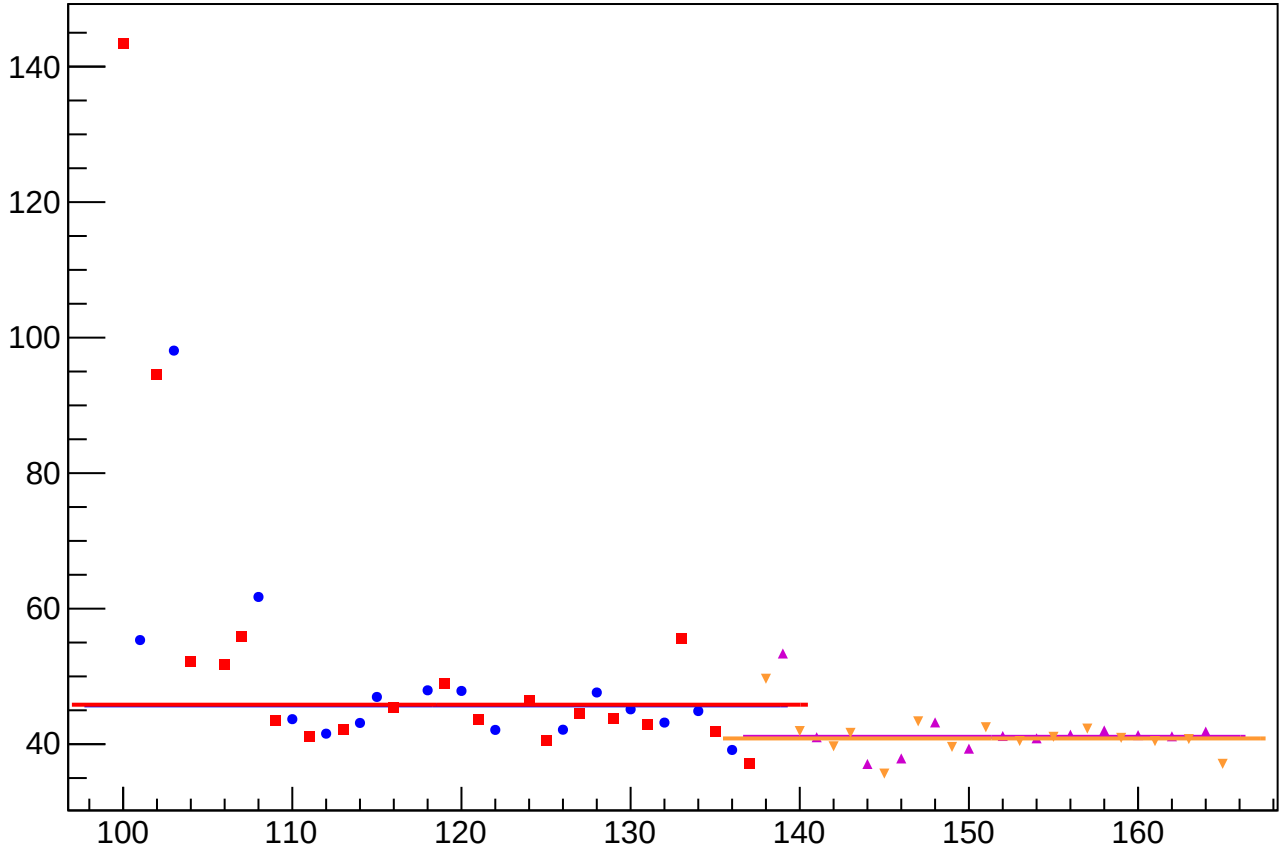
Left In: 27.106+/-12.473 χ^2/NDF:13.4/12

+ sign -15.480+/-9.860 χ^2/NDF: 60.5/30

All: -3.424+/-7.064 χ^2/NDF: 101.0/62

- sign 9.288+/-10.125 χ^2/NDF: 37.4/31

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.845+/-0.008 χ^2/NDF:108710.2/14

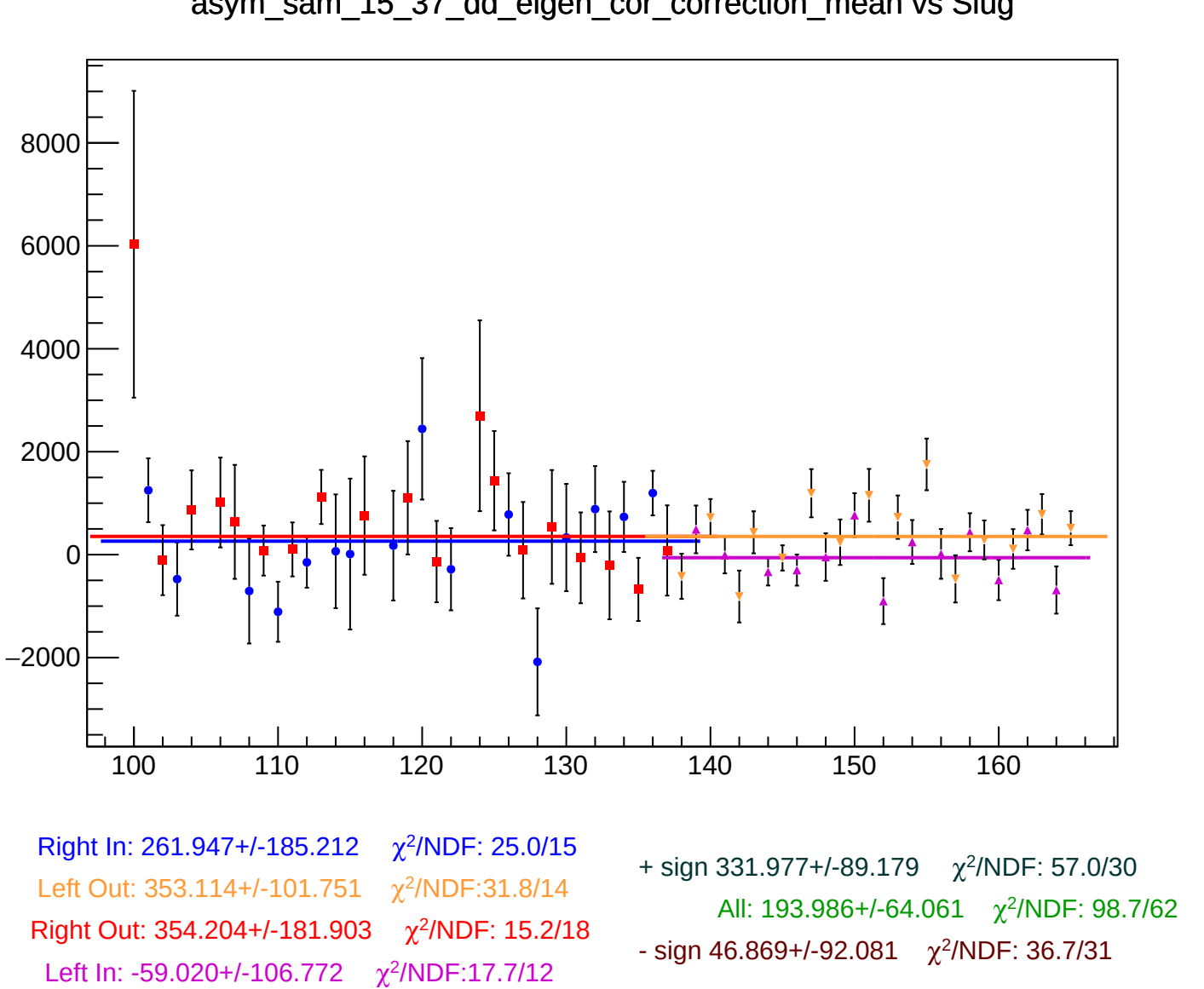
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

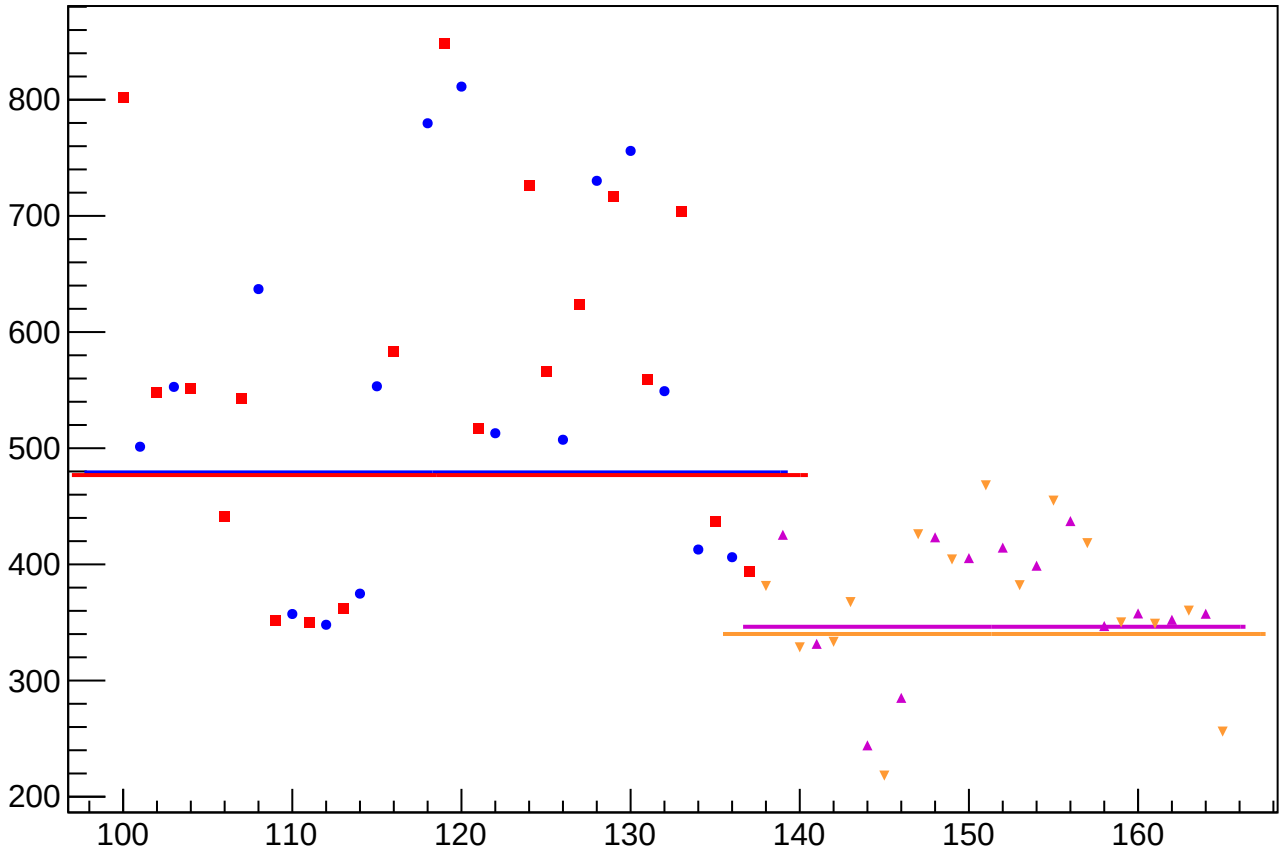
Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

+ sign 42.400+/-0.007 χ^2/NDF: 716580.9/30

All: 42.547+/-0.005 χ^2/NDF: 1486489.3/62

- sign 42.701+/-0.007 χ^2/NDF: 769002.4/31


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 353.114+/-101.751 χ²/NDF:31.8/14
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -59.020+/-106.772 χ²/NDF:17.7/12
+ sign 331.977+/-89.179 χ²/NDF: 57.0/30
All: 193.986+/-64.061 χ²/NDF: 98.7/62
- sign 46.869+/-92.081 χ²/NDF: 36.7/31



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 340.090+/-0.072 χ^2/NDF:1075155.4/14

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

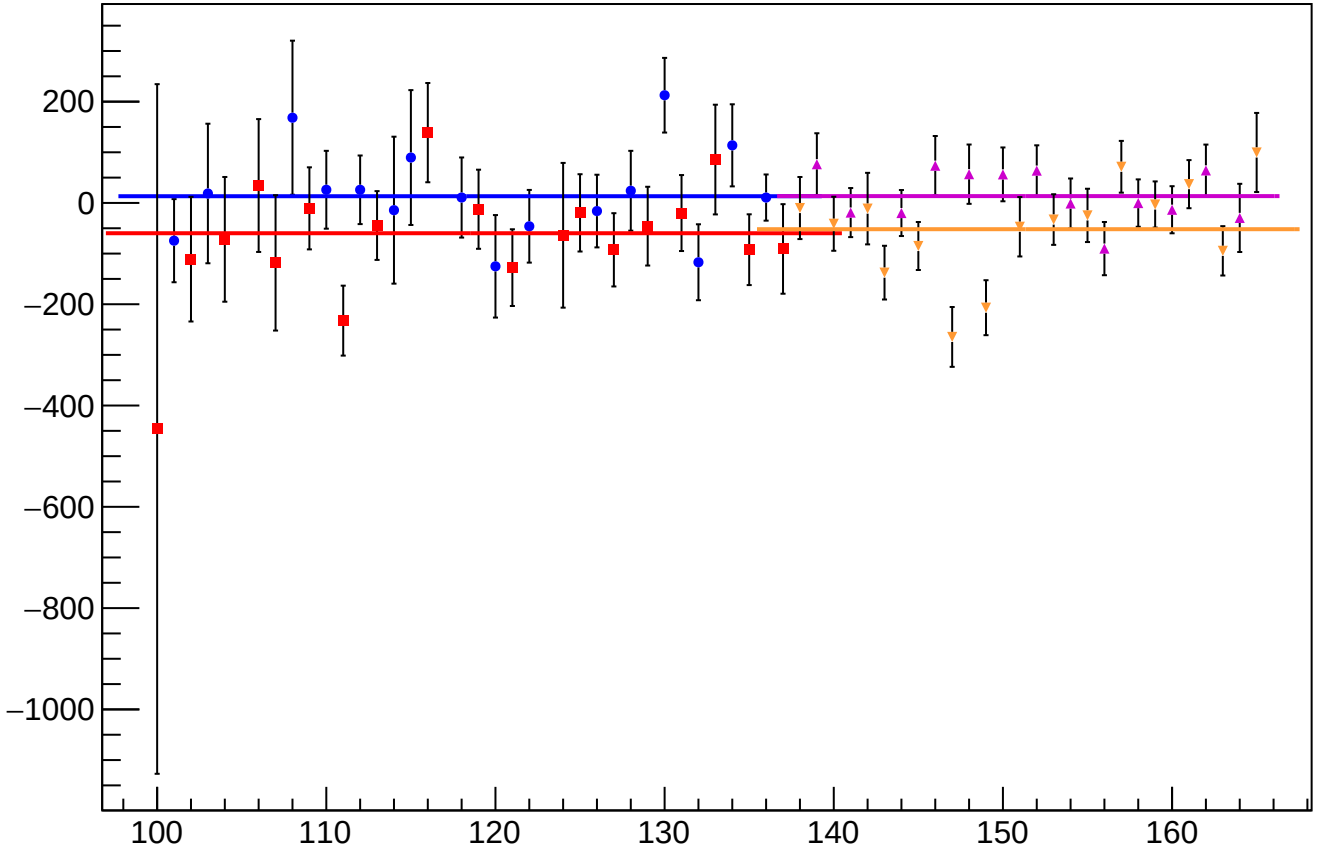
Left In: 346.304+/-0.075 χ^2/NDF:685596.1/12

+ sign 372.337+/-0.063 χ^2/NDF: 2894310.1/30

All: 375.933+/-0.045 χ^2/NDF: 5357037.0/62

- sign 379.767+/-0.065 χ^2/NDF: 2456006.9/31

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -51.849+/-13.881 χ^2/NDF:40.5/14

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

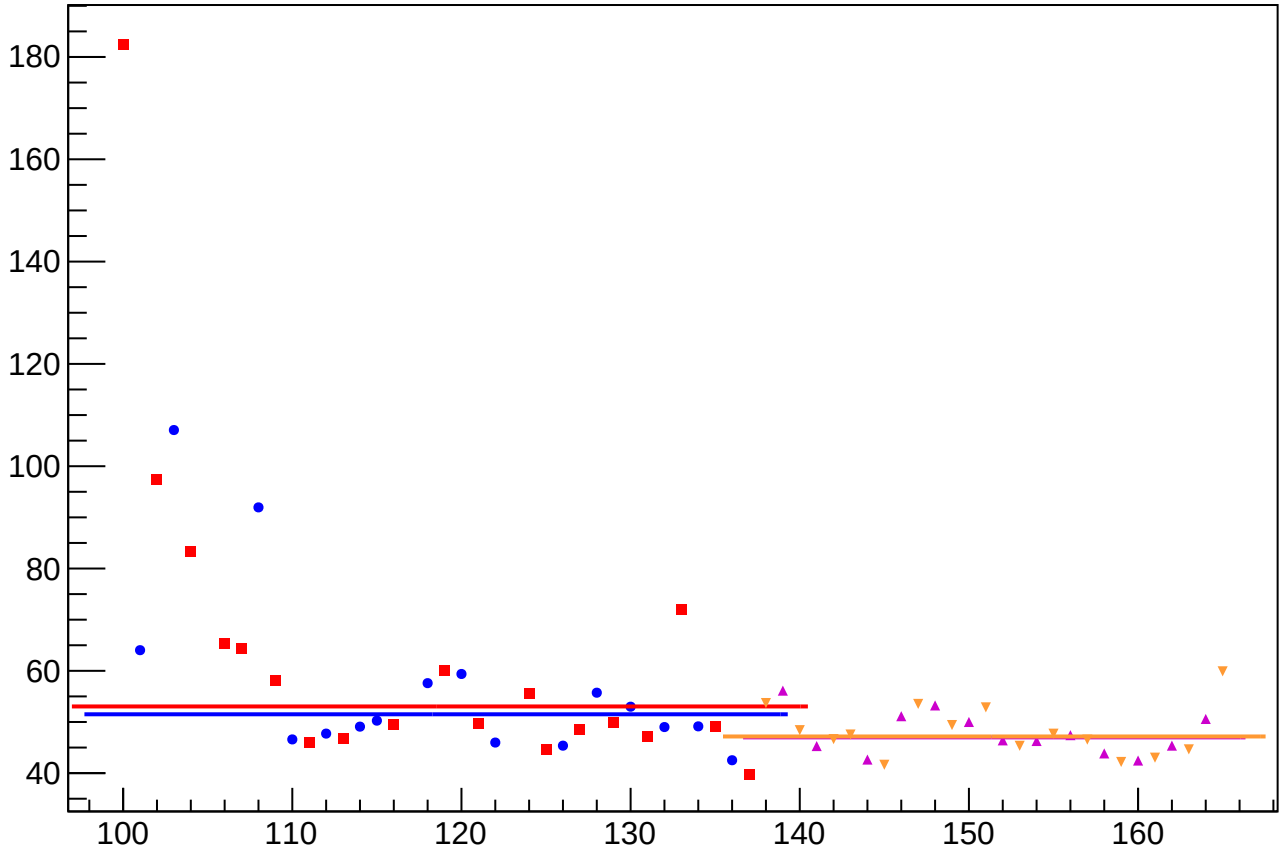
Left In: 13.487+/-14.414 χ^2/NDF:11.1/12

+ sign -30.464+/-11.375 χ^2/NDF: 64.9/30

All: -21.129+/-8.169 χ^2/NDF: 102.3/62

- sign -11.187+/-11.740 χ^2/NDF: 35.9/31

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 47.169+/-0.010 χ^2/NDF:197452.6/14

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

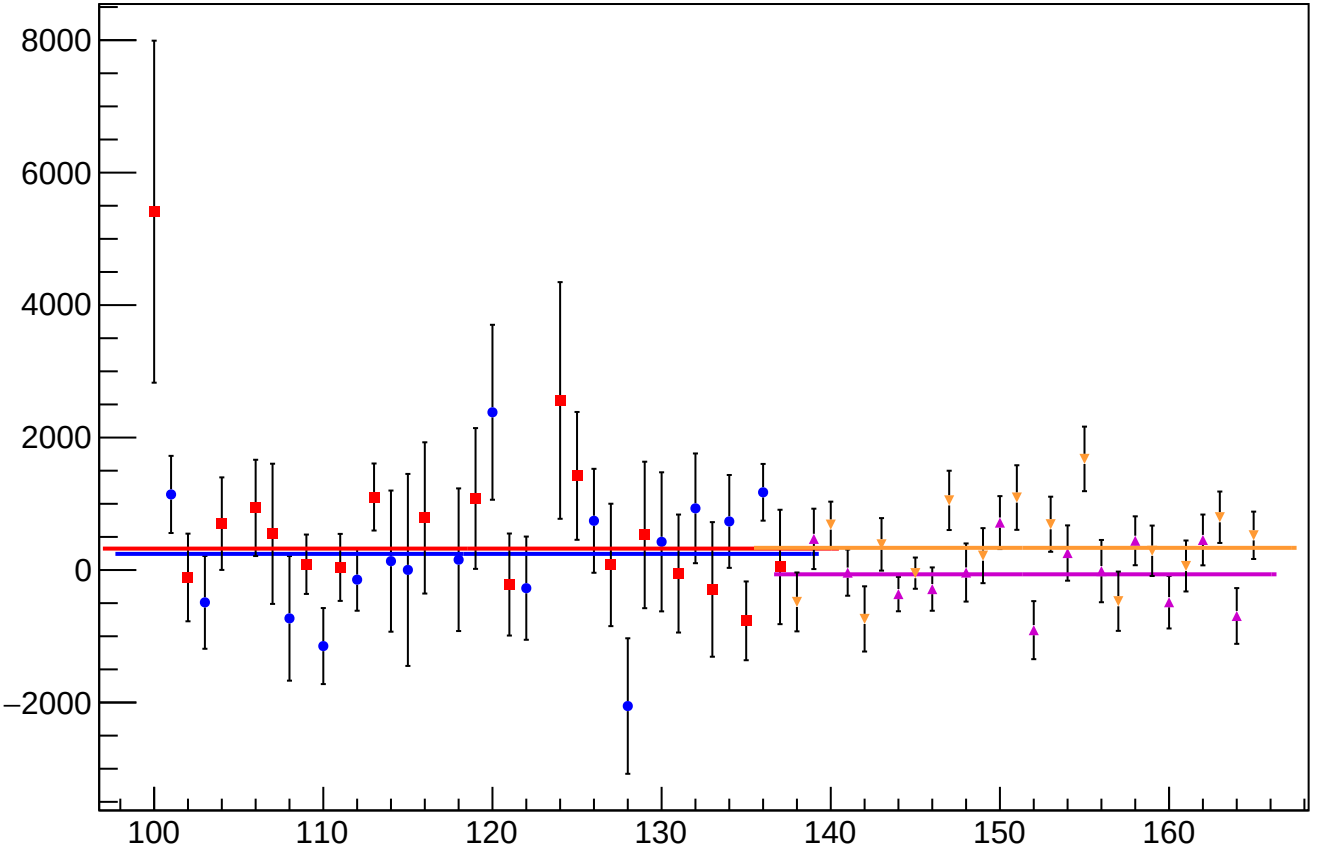
Left In: 46.991+/-0.010 χ^2/NDF:141025.1/12

+ sign 48.593+/-0.008 χ^2/NDF: 928637.0/30

All: 48.803+/-0.006 χ^2/NDF: 1902458.7/62

- sign 49.026+/-0.008 χ^2/NDF: 972416.4/31

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 334.955+/-100.024 χ^2/NDF:30.6/14

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

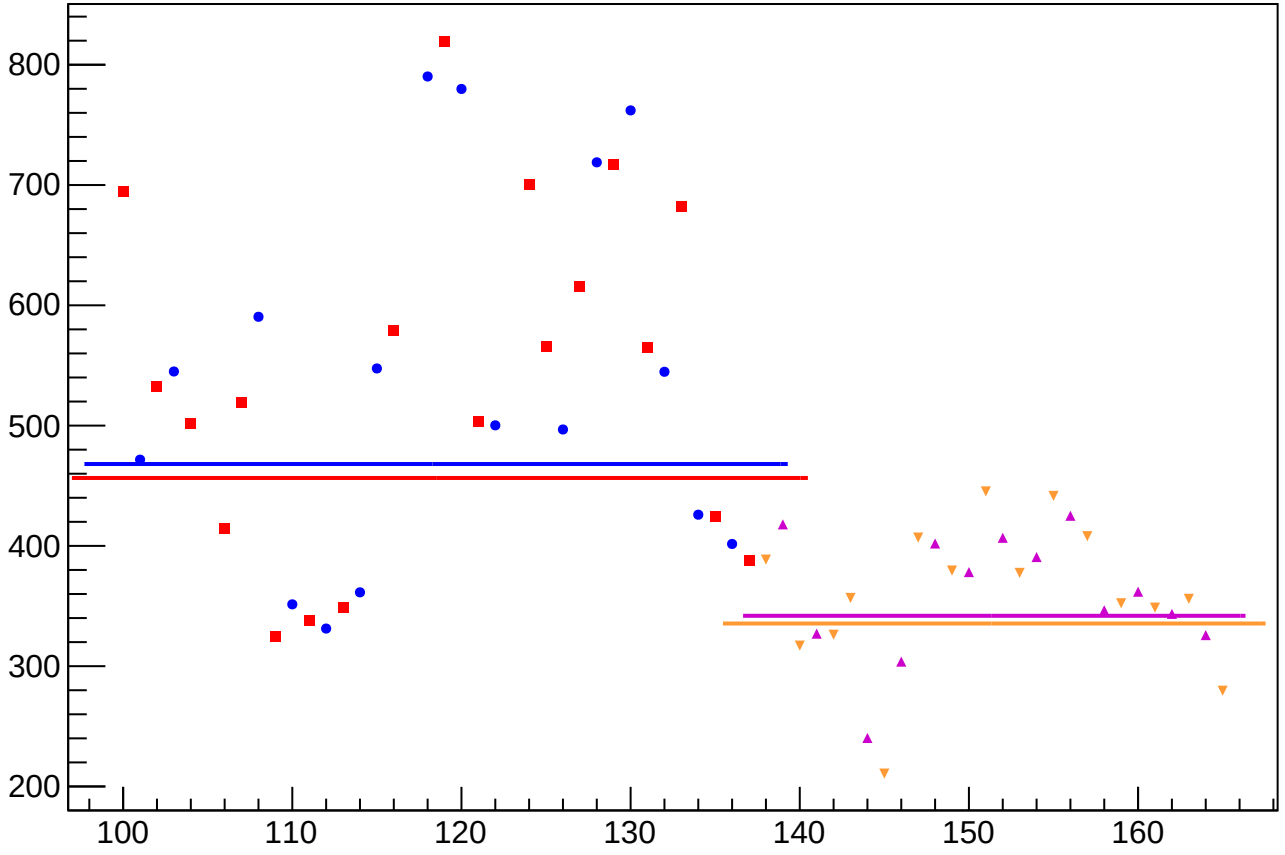
Left In: -64.522+/-105.264 χ^2/NDF:18.4/12

+ sign 313.613+/-87.531 χ^2/NDF: 56.4/30

All: 180.532+/-62.753 χ^2/NDF: 99.7/62

- sign 39.796+/-90.014 χ^2/NDF: 38.5/31

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 335.473+/-0.071 χ^2/NDF:1003804.6/14

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

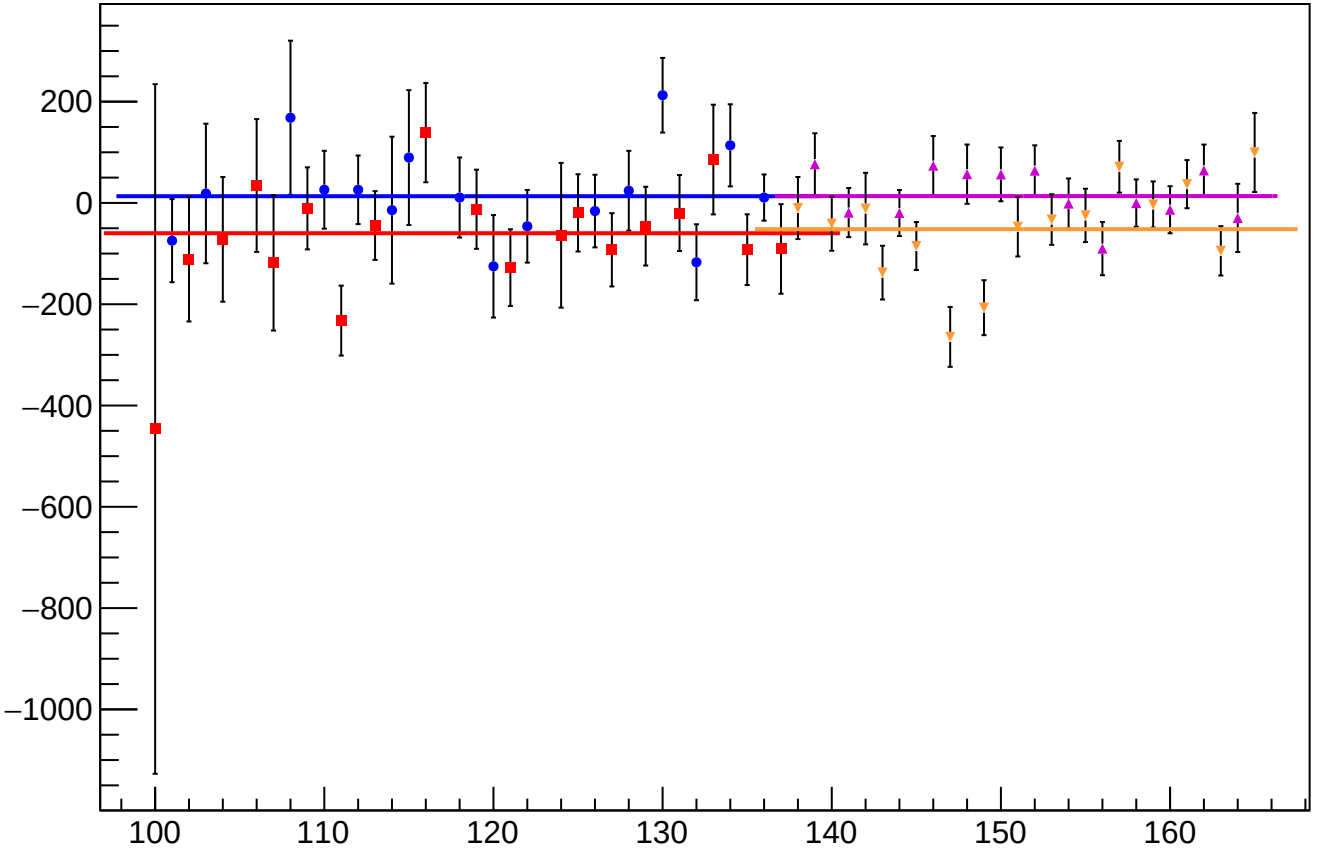
Left In: 341.894+/-0.074 χ^2/NDF:588022.4/12

+ sign 366.526+/-0.062 χ^2/NDF: 2809800.0/30

All: 369.520+/-0.044 χ^2/NDF: 5122012.6/62

- sign 372.686+/-0.064 χ^2/NDF: 2307397.9/31

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -51.850+/-13.881 χ^2/NDF:40.5/14

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

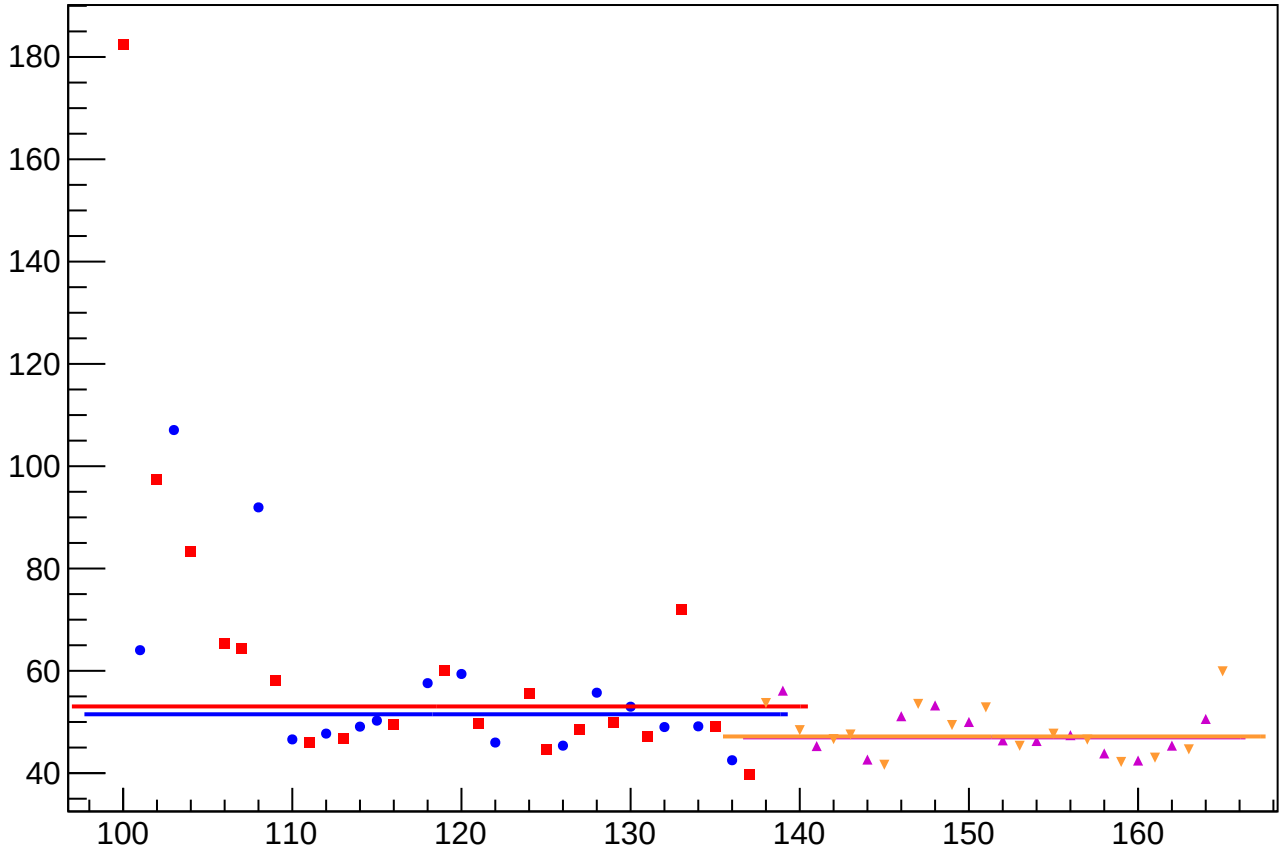
Left In: 13.487+/-14.414 χ^2/NDF:11.1/12

+ sign -30.464+/-11.375 χ^2/NDF: 64.9/30

All: -21.130+/-8.169 χ^2/NDF: 102.3/62

- sign -11.187+/-11.740 χ^2/NDF: 35.9/31

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 47.169+/-0.010 χ^2/NDF:197453.9/14

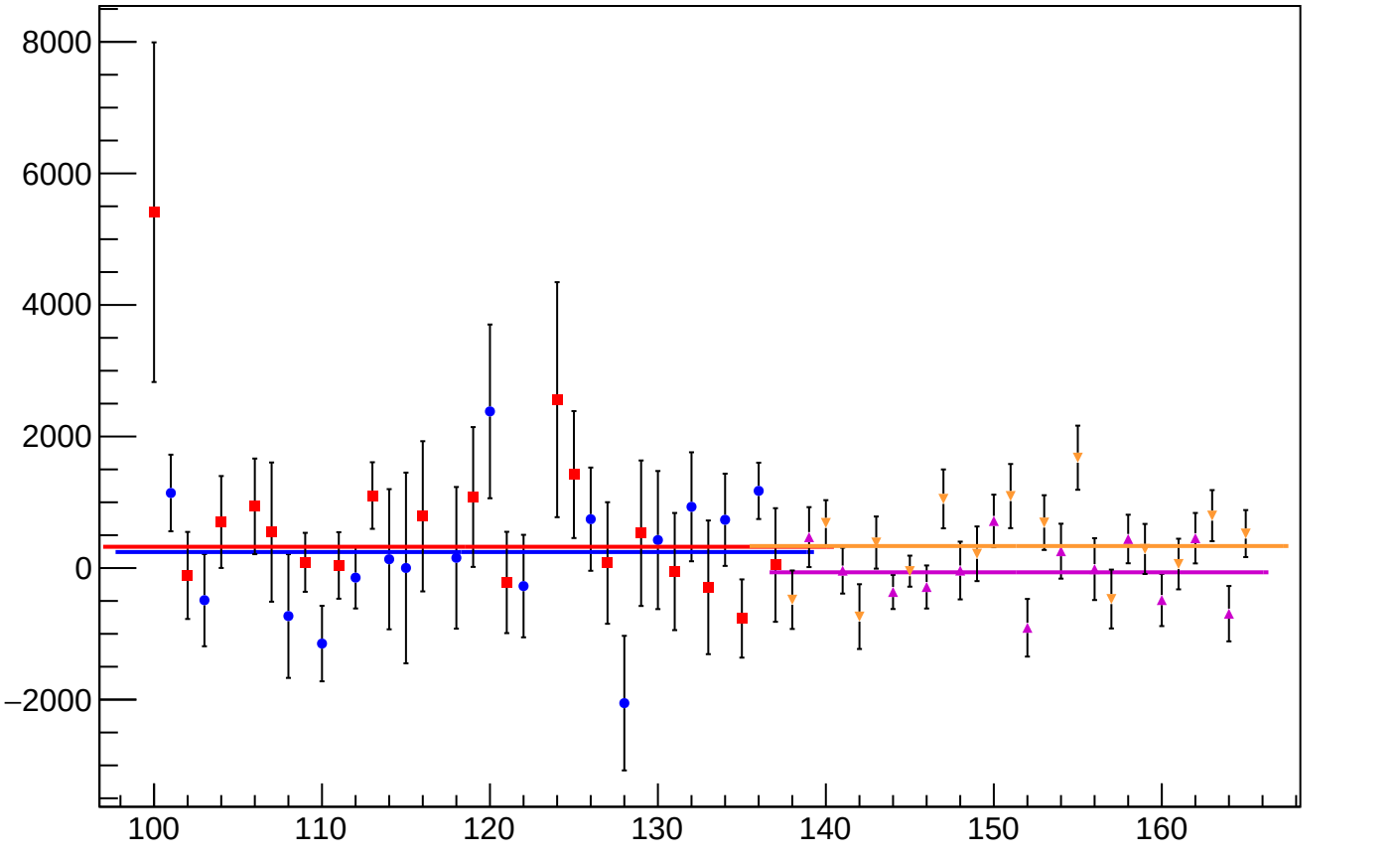
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.991+/-0.010 χ^2/NDF:141026.2/12

+ sign 48.593+/-0.008 χ^2/NDF: 928642.8/30

All: 48.803+/-0.006 χ^2/NDF: 1902475.8/62

- sign 49.026+/-0.008 χ^2/NDF: 972427.6/31



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 334.955+/-100.024 χ^2/NDF:30.6/14

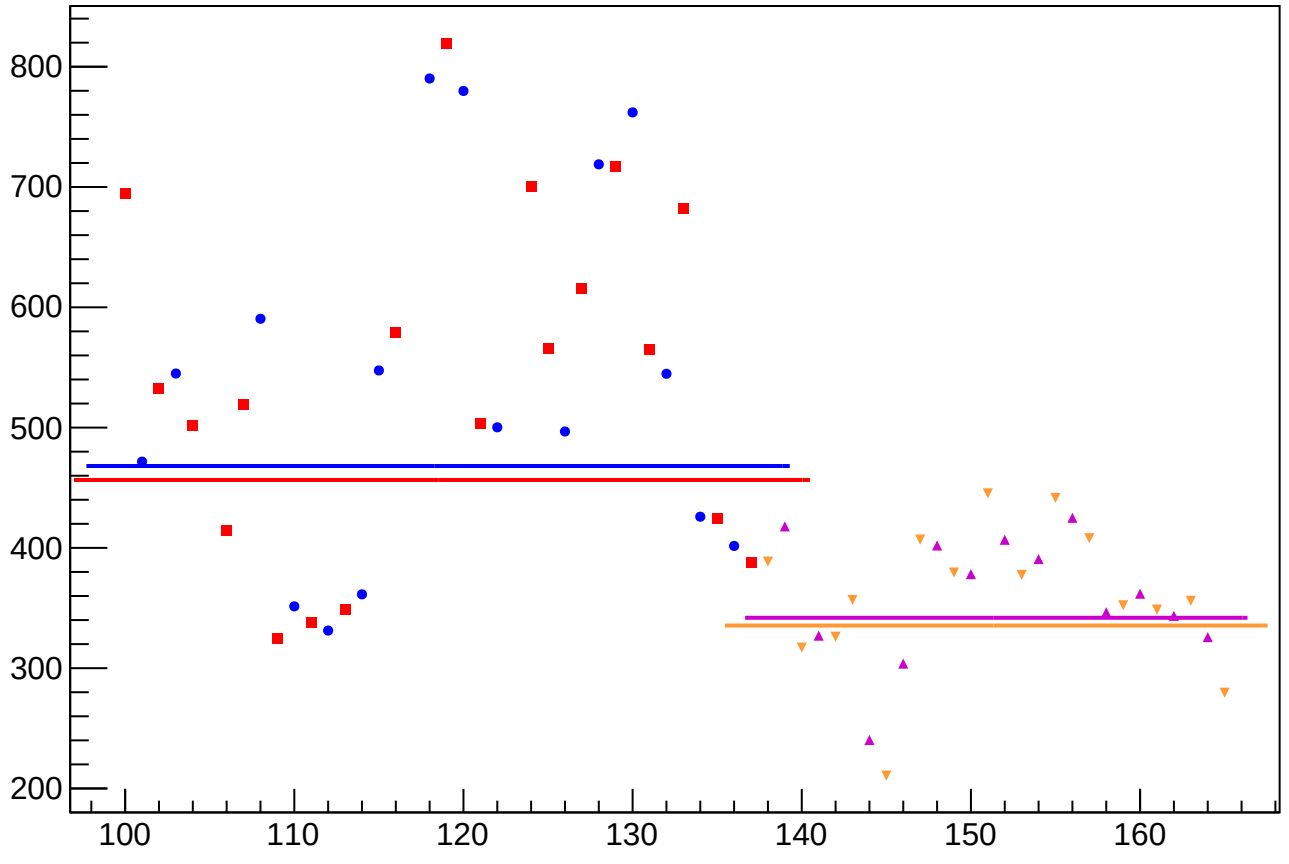
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -64.523+/-105.264 χ^2/NDF:18.4/12

\+ sign 313.613+/-87.531 χ^2/NDF: 56.4/30

All: 180.532+/-62.753 χ^2/NDF: 99.7/62

\- sign 39.796+/-90.014 χ^2/NDF: 38.5/31



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 335.473+/-0.071 χ^2/NDF:1003808.2/14

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

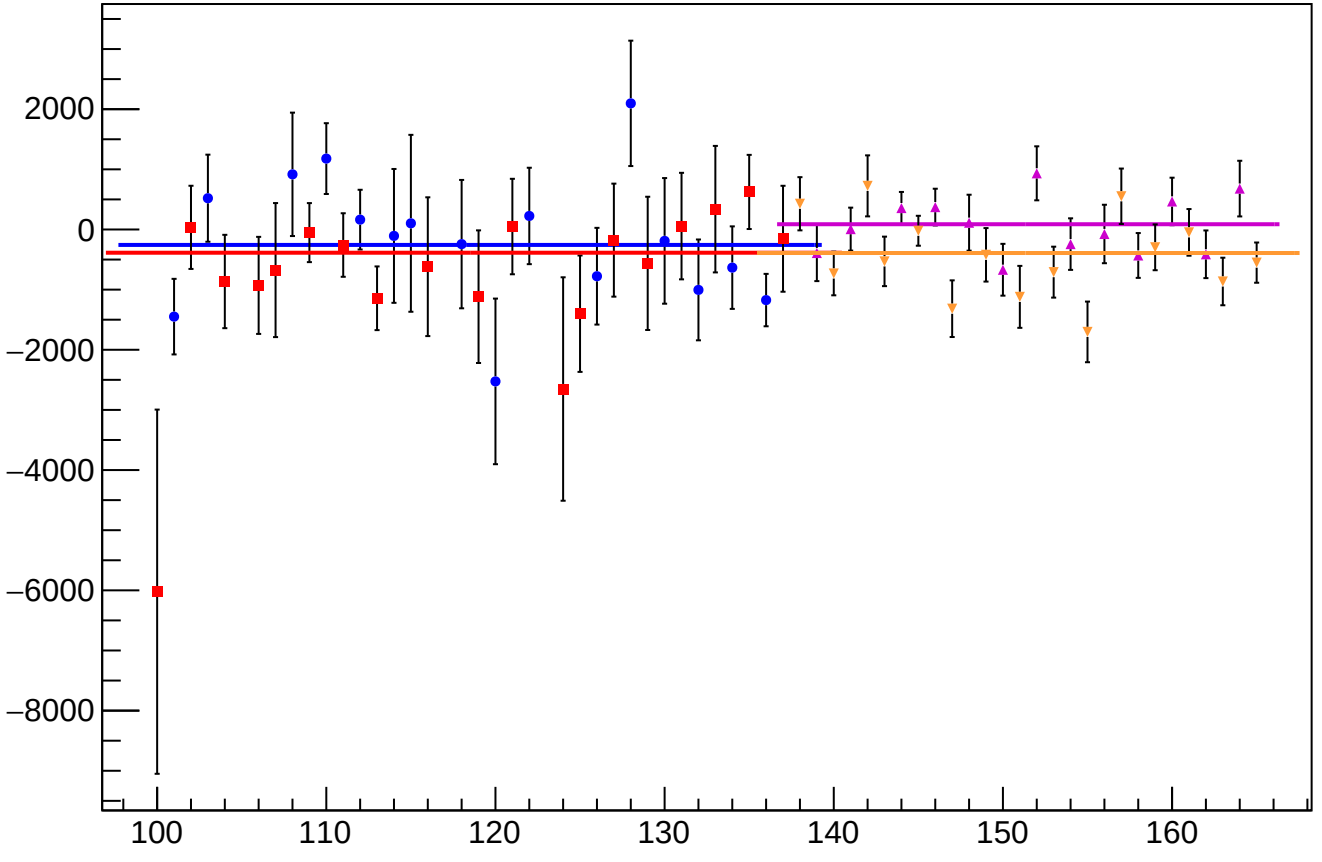
Left In: 341.894+/-0.074 χ^2/NDF:588023.8/12

+ sign 366.526+/-0.062 χ^2/NDF: 2809796.7/30

All: 369.520+/-0.044 χ^2/NDF: 5121999.6/62

- sign 372.686+/-0.064 χ^2/NDF: 2307388.2/31

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -391.149+/-102.556 χ^2/NDF:31.4/14

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

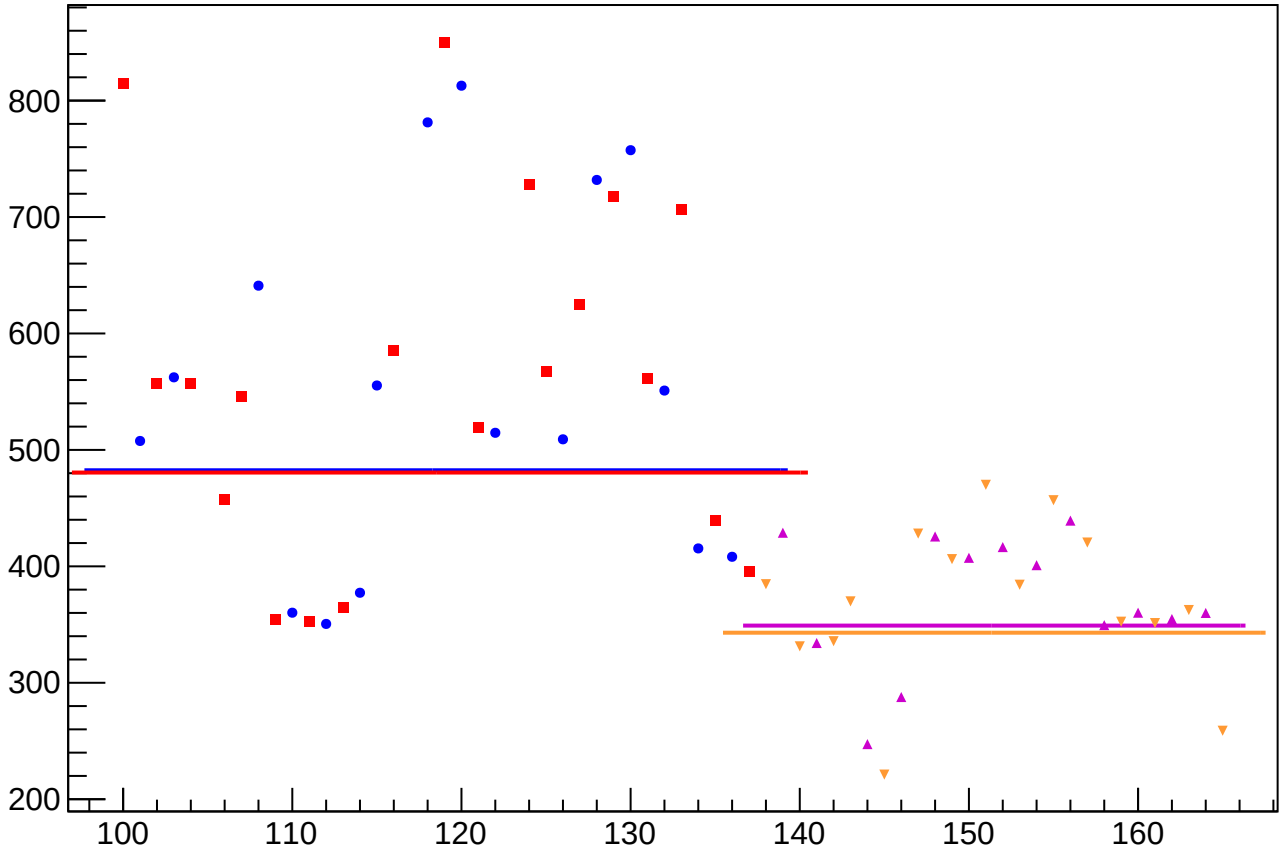
Left In: 87.314+/-107.586 χ^2/NDF:16.4/12

+ sign -359.934+/-89.861 χ^2/NDF: 58.7/30

All: -202.455+/-64.509 χ^2/NDF: 100.7/62

- sign -35.005+/-92.662 χ^2/NDF: 35.7/31

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 343.013+/-0.073 χ^2/NDF:1047037.6/14

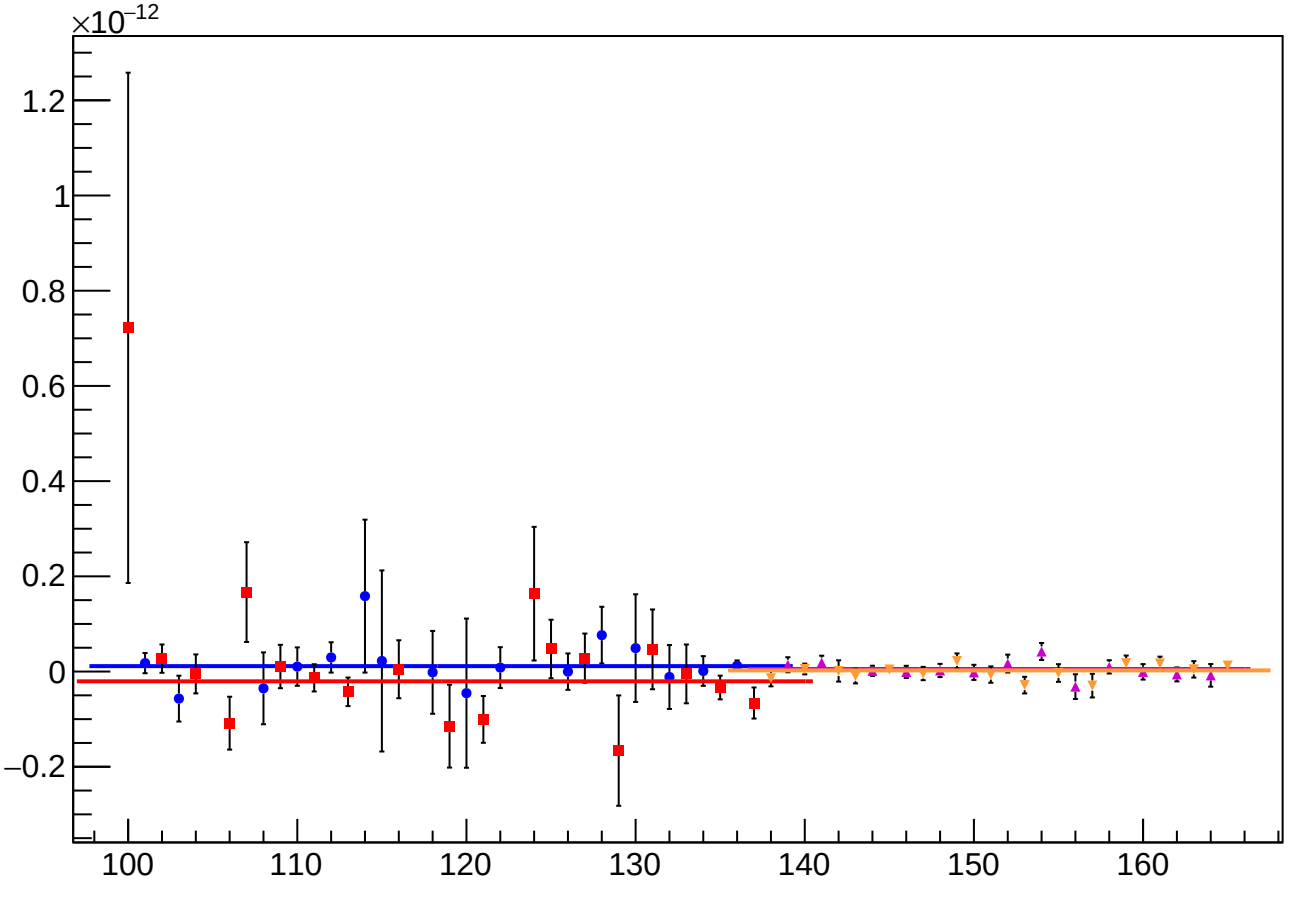
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 349.114+/-0.076 χ^2/NDF:668276.3/12

+ sign 375.413+/-0.064 χ^2/NDF: 2852991.8/30

All: 379.115+/-0.046 χ^2/NDF: 5292863.5/62

- sign 383.052+/-0.066 χ^2/NDF: 2432866.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/14

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

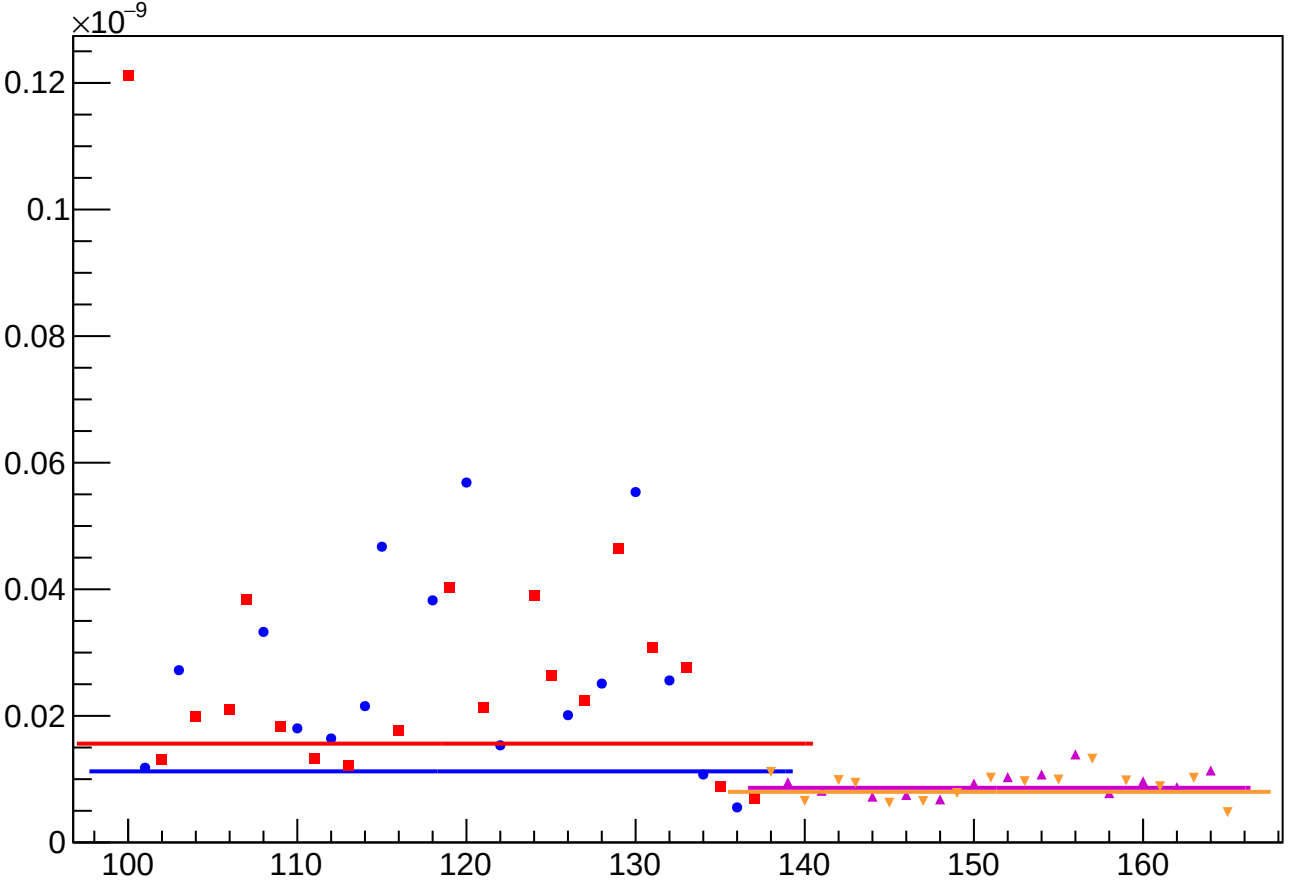
Left In: 0.000+/-0.000 χ^2/NDF:9.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 17.8/30

All: 0.000+/-0.000 χ^2/NDF: 56.8/62

- sign 0.000+/-0.000 χ^2/NDF: 38.7/31

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:629662.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

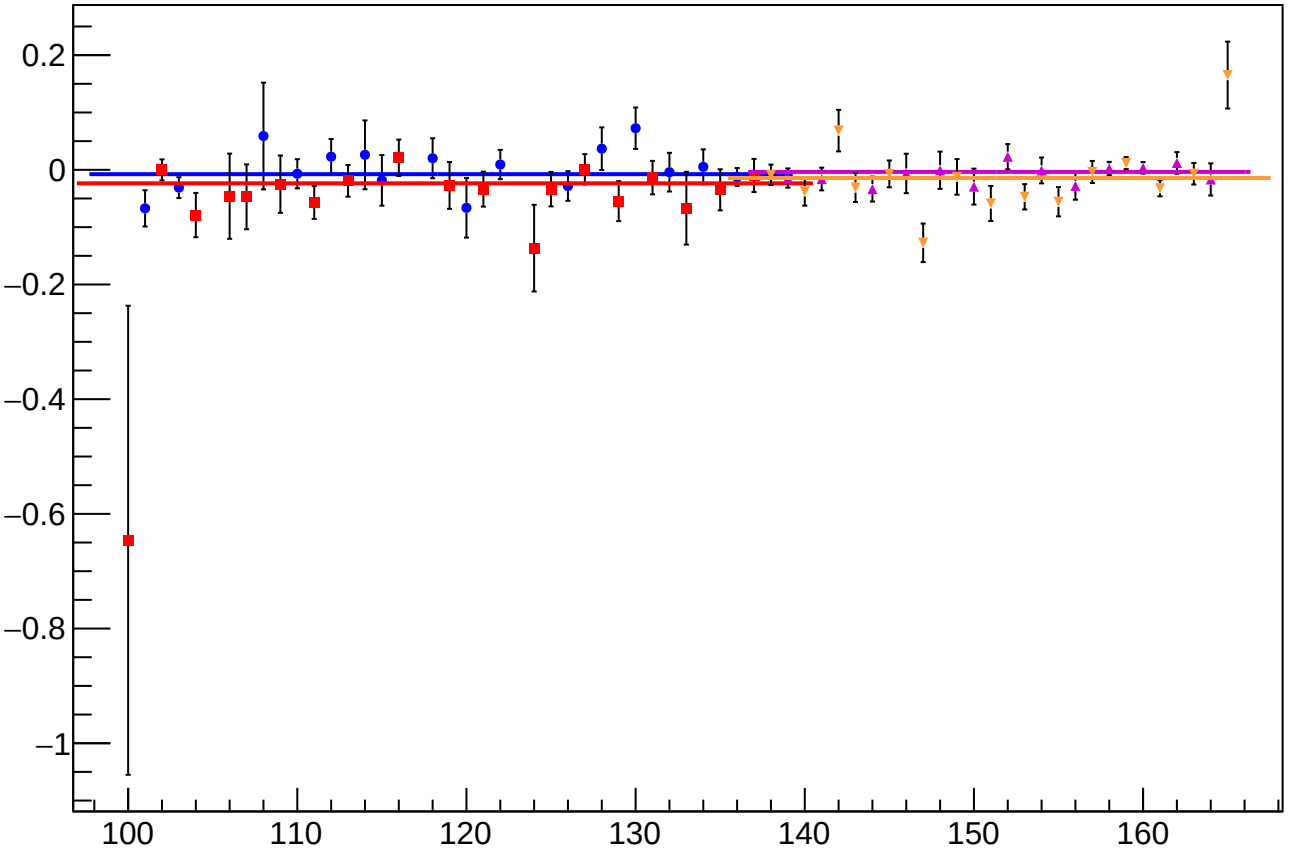
Left In: 0.000+/-0.000 χ^2/NDF:265180.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 3000162.3/30

All: 0.000+/-0.000 χ^2/NDF: 5323088.5/62

- sign 0.000+/-0.000 χ^2/NDF: 2240541.9/31

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

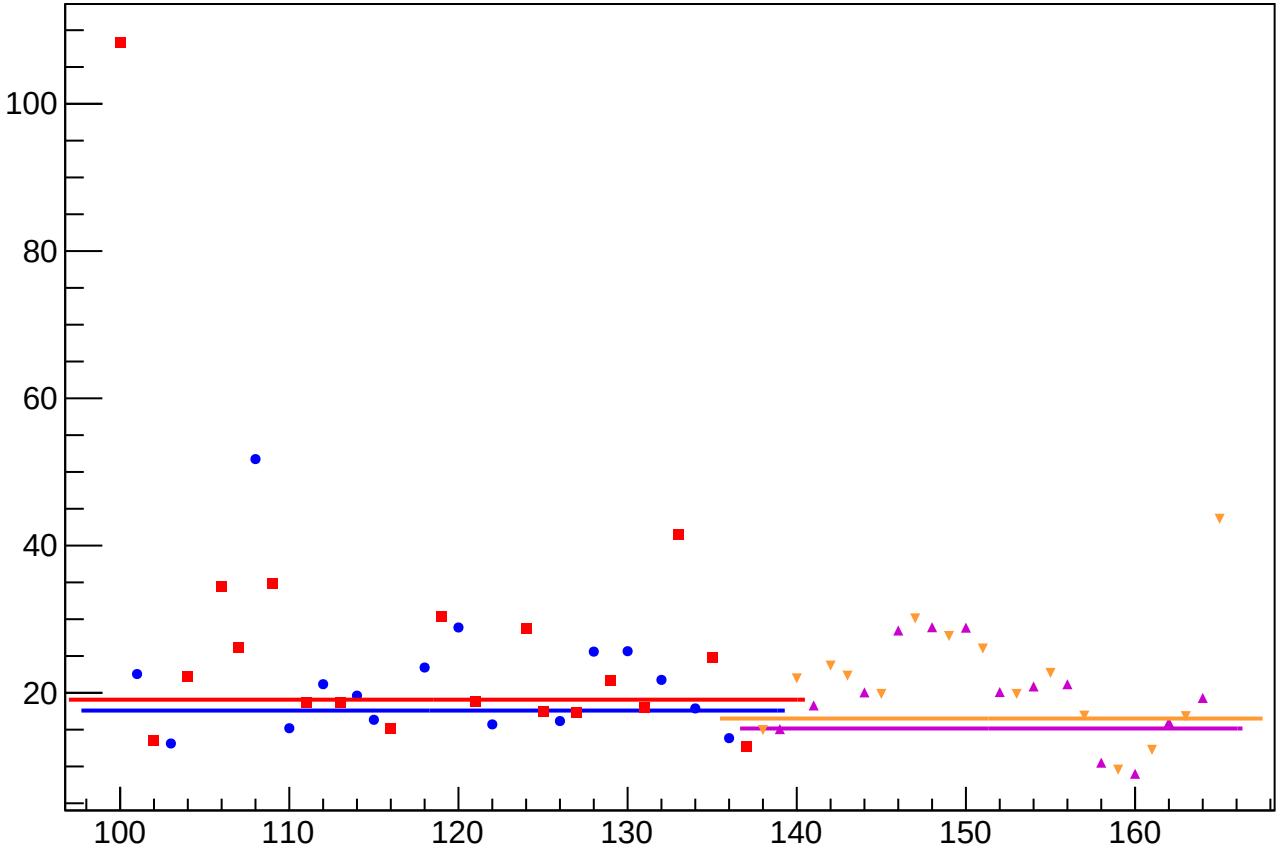
Left In: -0.004+/-0.005 χ^2/NDF:7.5/12

+ sign -0.012+/-0.004 χ^2/NDF: 59.9/30

All: -0.011+/-0.003 χ^2/NDF: 86.8/62

- sign -0.010+/-0.004 χ^2/NDF: 26.8/31

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.510+/-0.004 χ^2/NDF:2778311.0/14

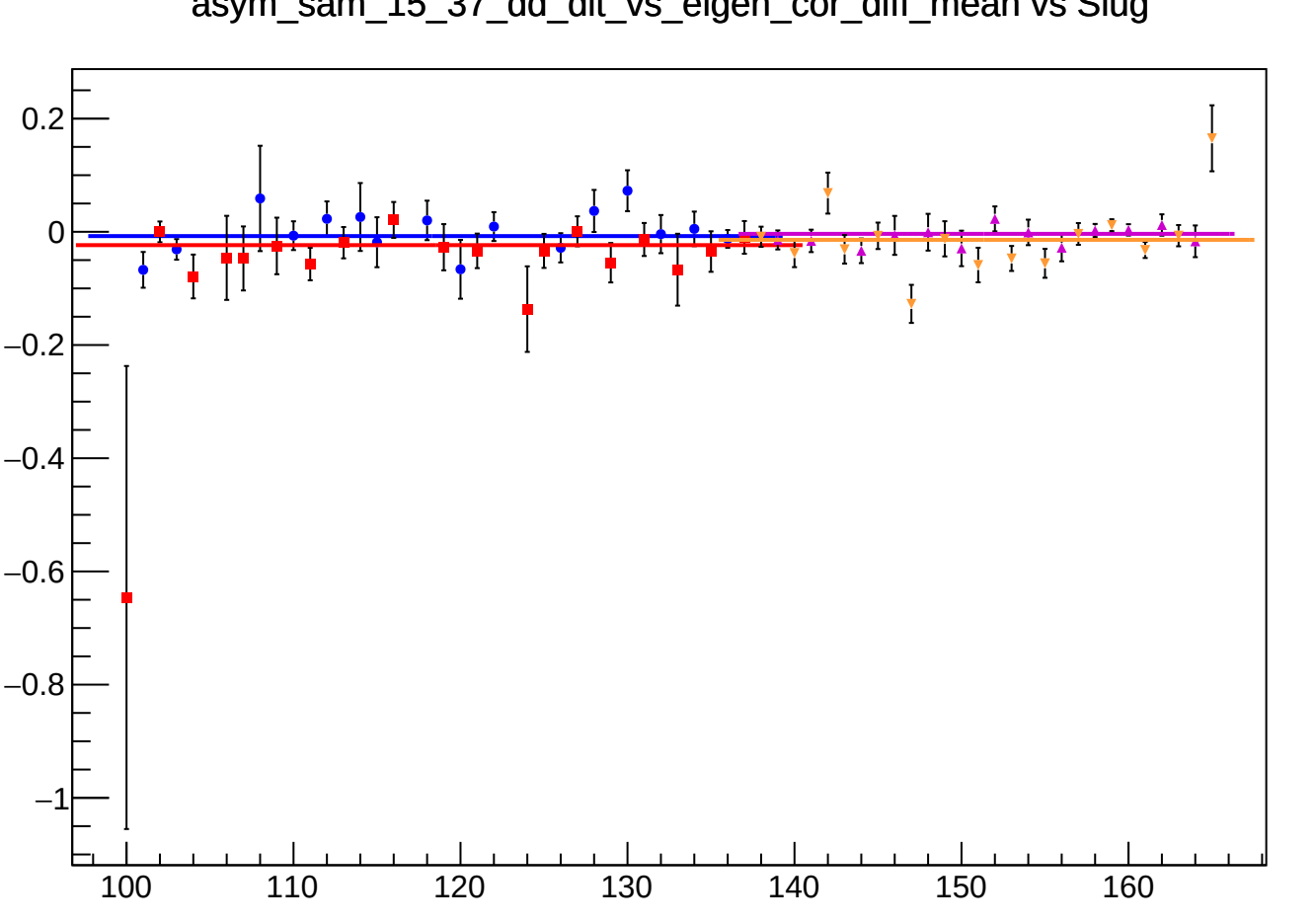
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.157+/-0.004 χ^2/NDF:2667226.7/12

+ sign 16.891+/-0.003 χ^2/NDF: 3800783.9/30

All: 16.618+/-0.002 χ^2/NDF: 8088232.6/62

- sign 16.346+/-0.003 χ^2/NDF: 4271166.6/31



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

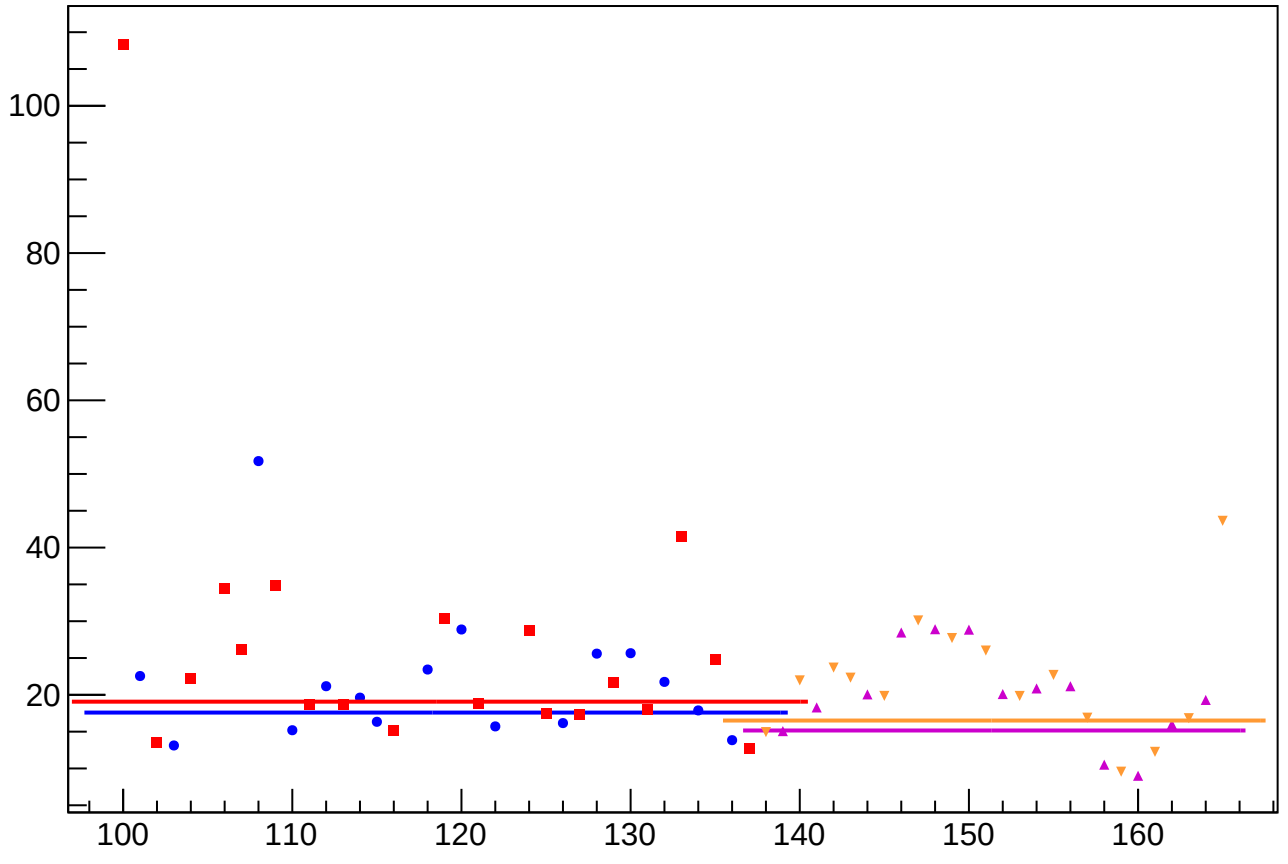
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:7.5/12

+ sign -0.012+/-0.004 χ^2/NDF: 59.9/30

All: -0.011+/-0.003 χ^2/NDF: 86.8/62

- sign -0.010+/-0.004 χ^2/NDF: 26.8/31



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.510+/-0.004 χ^2/NDF:2778311.0/14

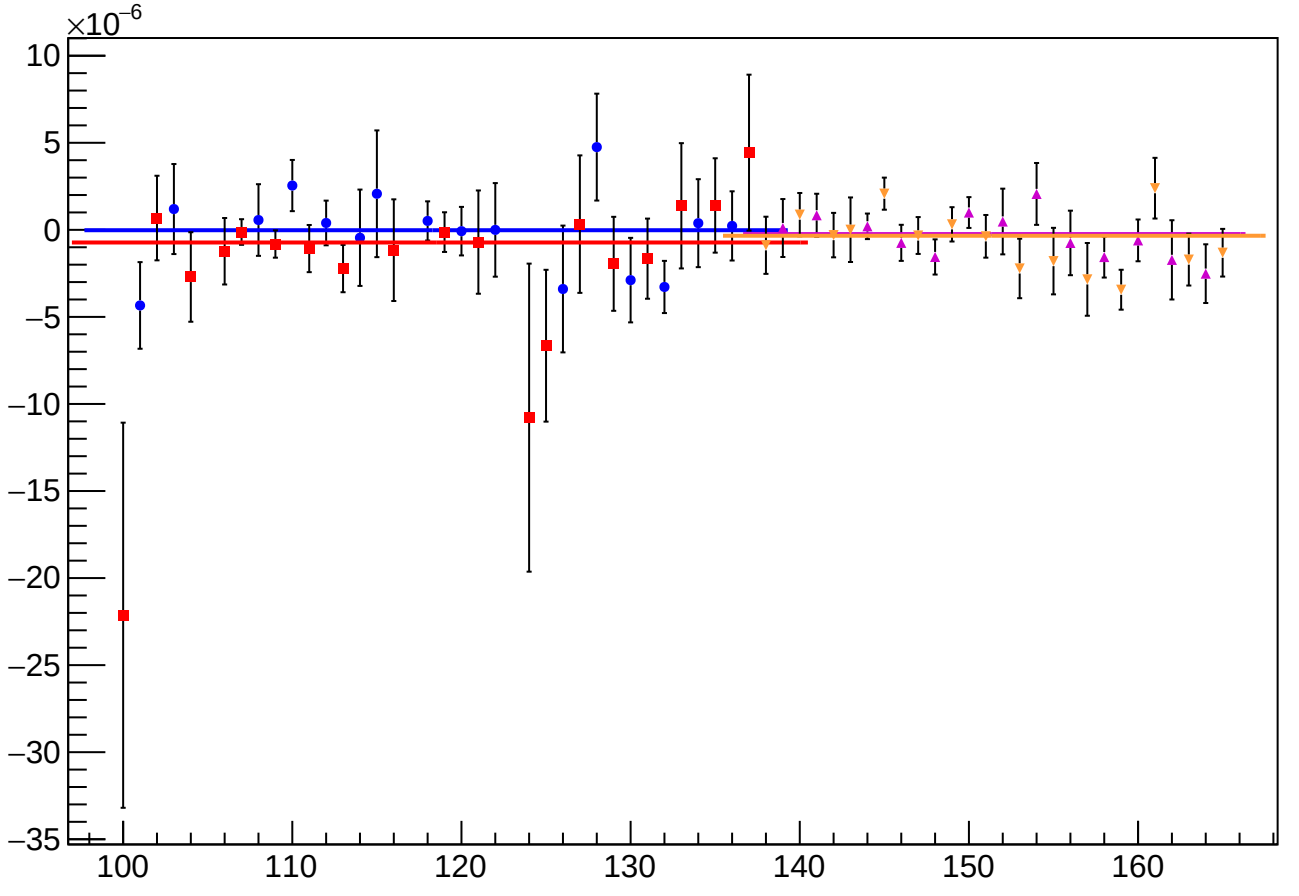
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.157+/-0.004 χ^2/NDF:2667226.7/12

+ sign 16.891+/-0.003 χ^2/NDF: 3800783.9/30

All: 16.618+/-0.002 χ^2/NDF: 8088232.6/62

- sign 16.346+/-0.003 χ^2/NDF: 4271166.6/31



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/14

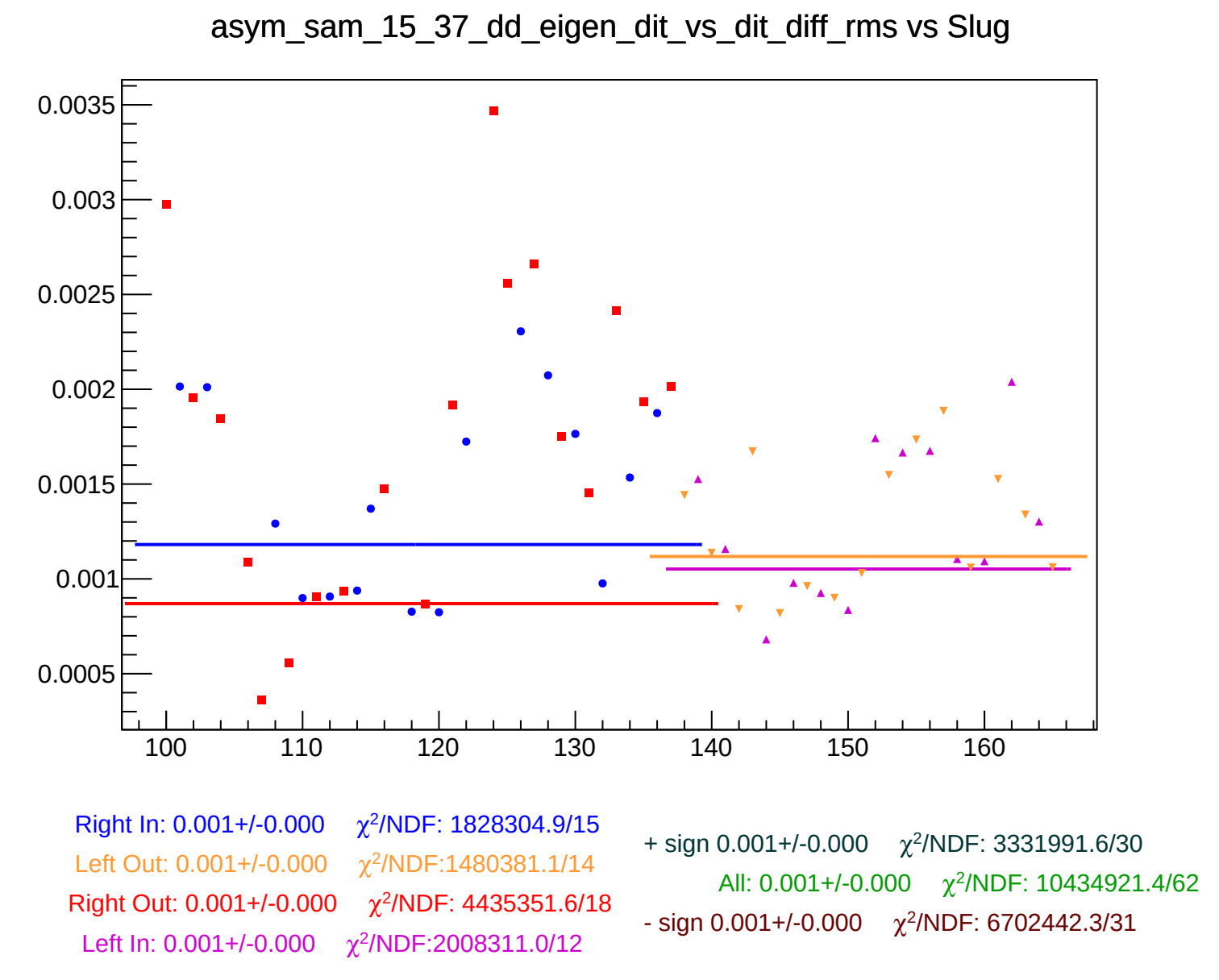
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

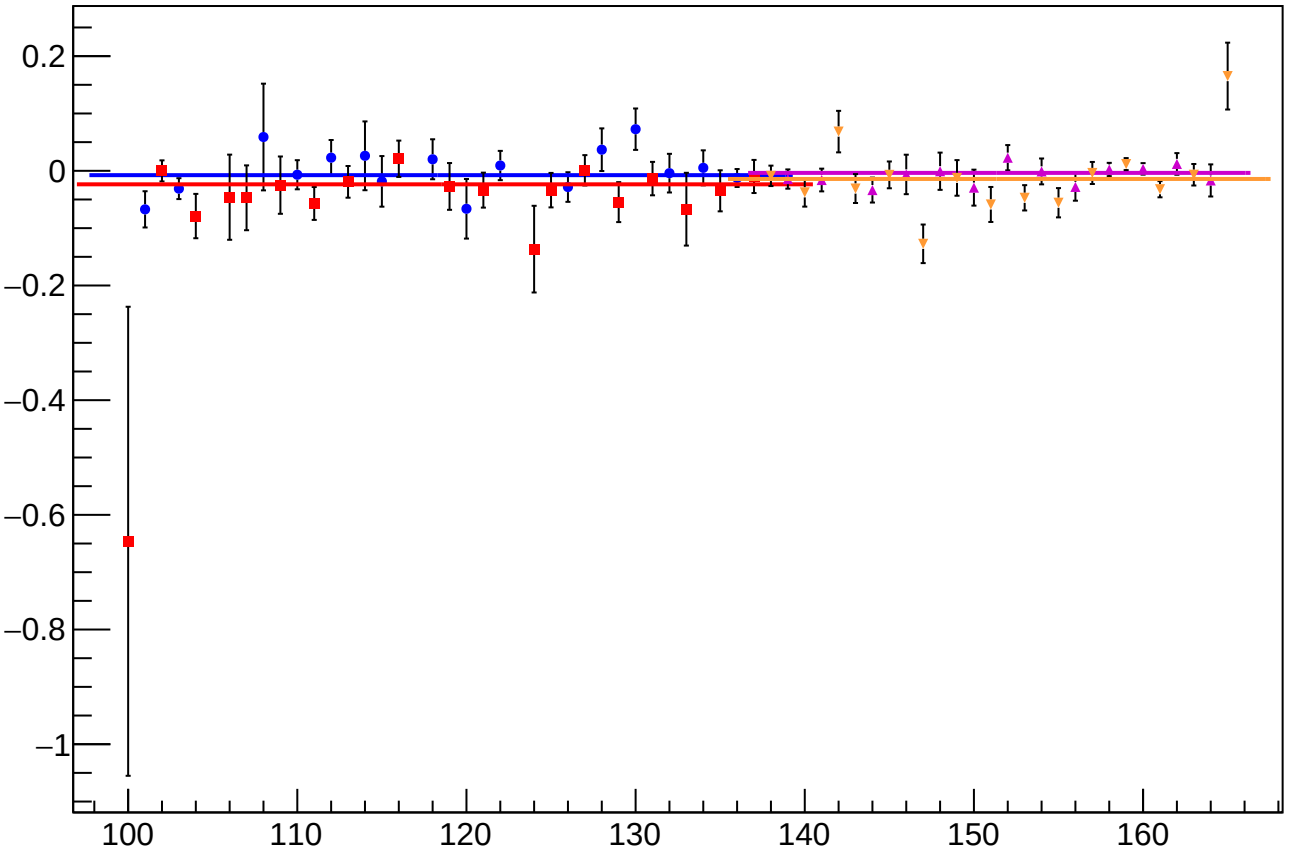
Left In: -0.000+/-0.000 χ^2/NDF:10.6/12

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/30

All: -0.000+/-0.000 χ^2/NDF: 64.3/62

- sign -0.000+/-0.000 χ^2/NDF: 24.3/31


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1480381.1/14
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2008311.0/12
+ sign 0.001+/-0.000 χ²/NDF: 3331991.6/30
All: 0.001+/-0.000 χ²/NDF: 10434921.4/62
- sign 0.001+/-0.000 χ²/NDF: 6702442.3/31



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

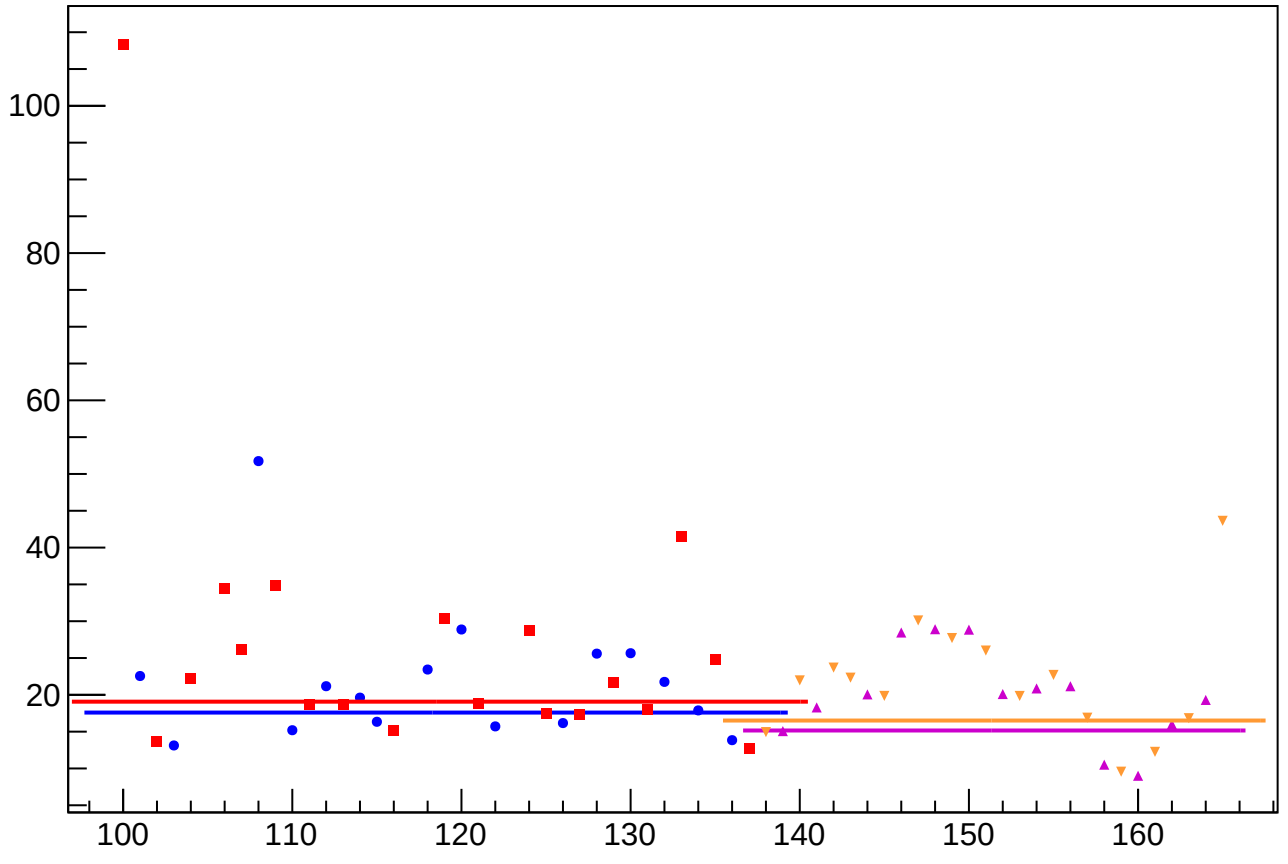
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:7.5/12

+ sign -0.012+/-0.004 χ^2/NDF: 59.9/30

All: -0.011+/-0.003 χ^2/NDF: 86.8/62

- sign -0.010+/-0.004 χ^2/NDF: 26.8/31



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.510+/-0.004 χ^2/NDF:2778605.1/14

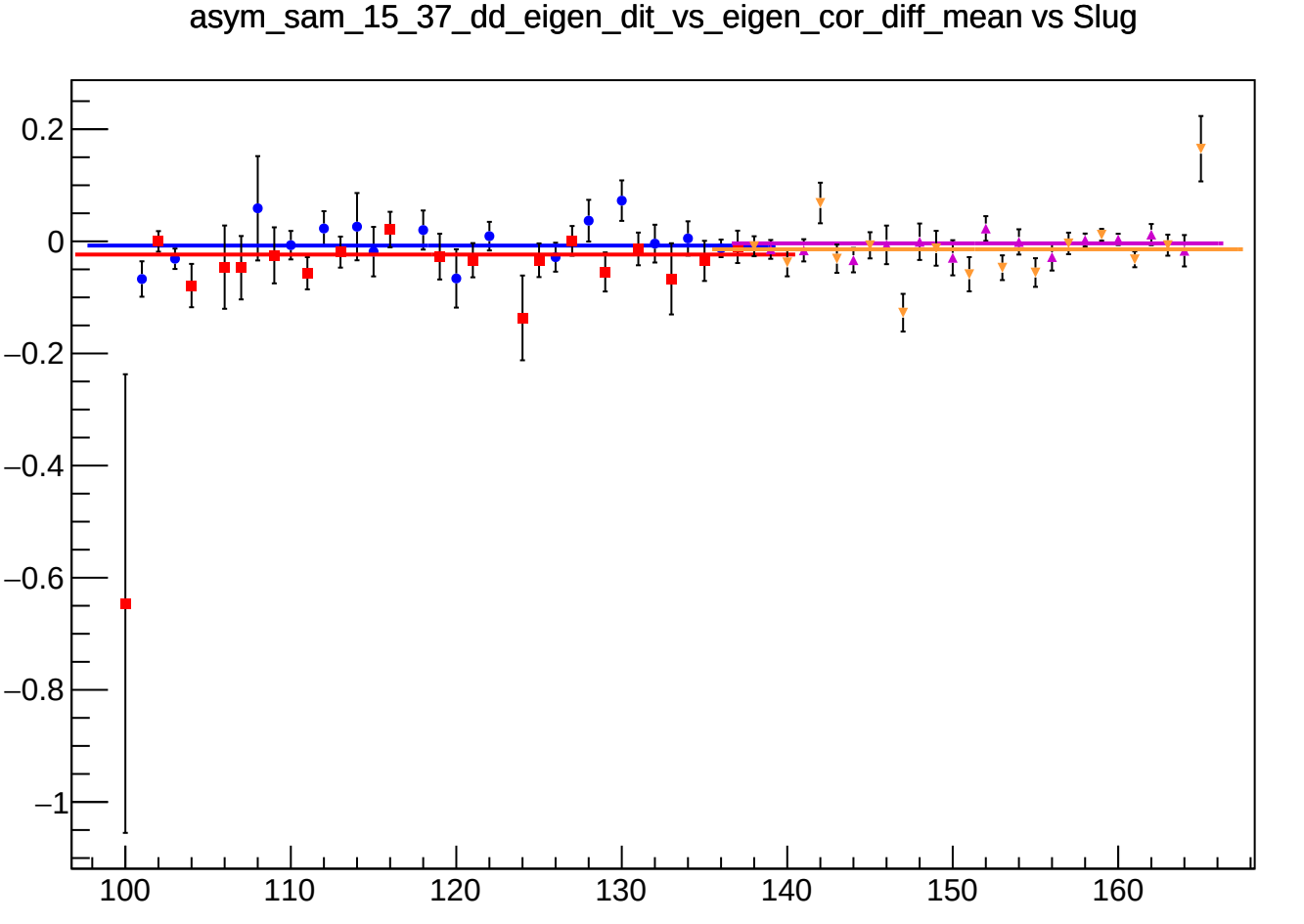
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.157+/-0.004 χ^2/NDF:2667565.4/12

+ sign 16.891+/-0.003 χ^2/NDF: 3801138.5/30

All: 16.618+/-0.002 χ^2/NDF: 8088995.4/62

- sign 16.346+/-0.003 χ^2/NDF: 4271570.9/31



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.005 χ^2/NDF:42.7/14

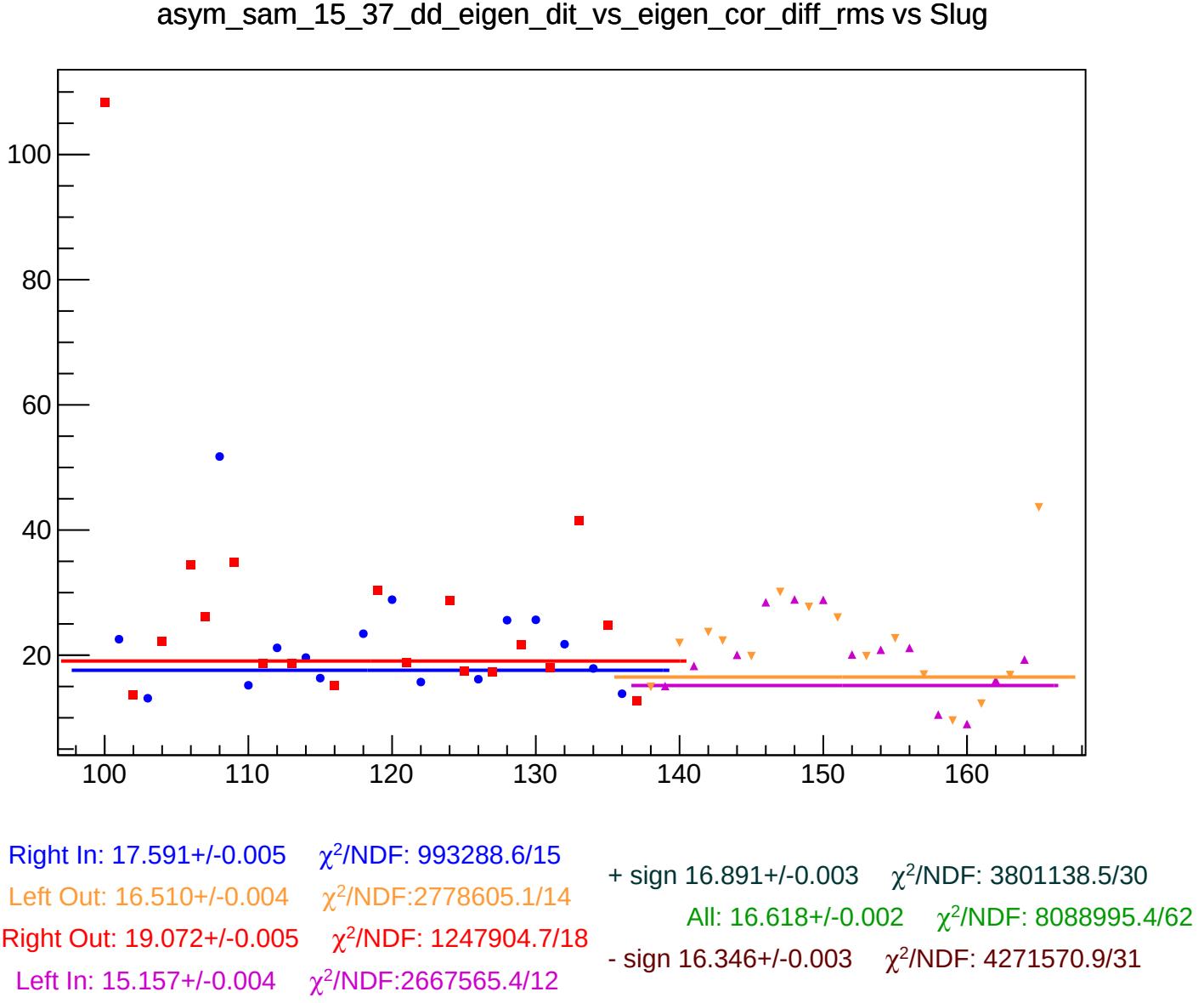
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

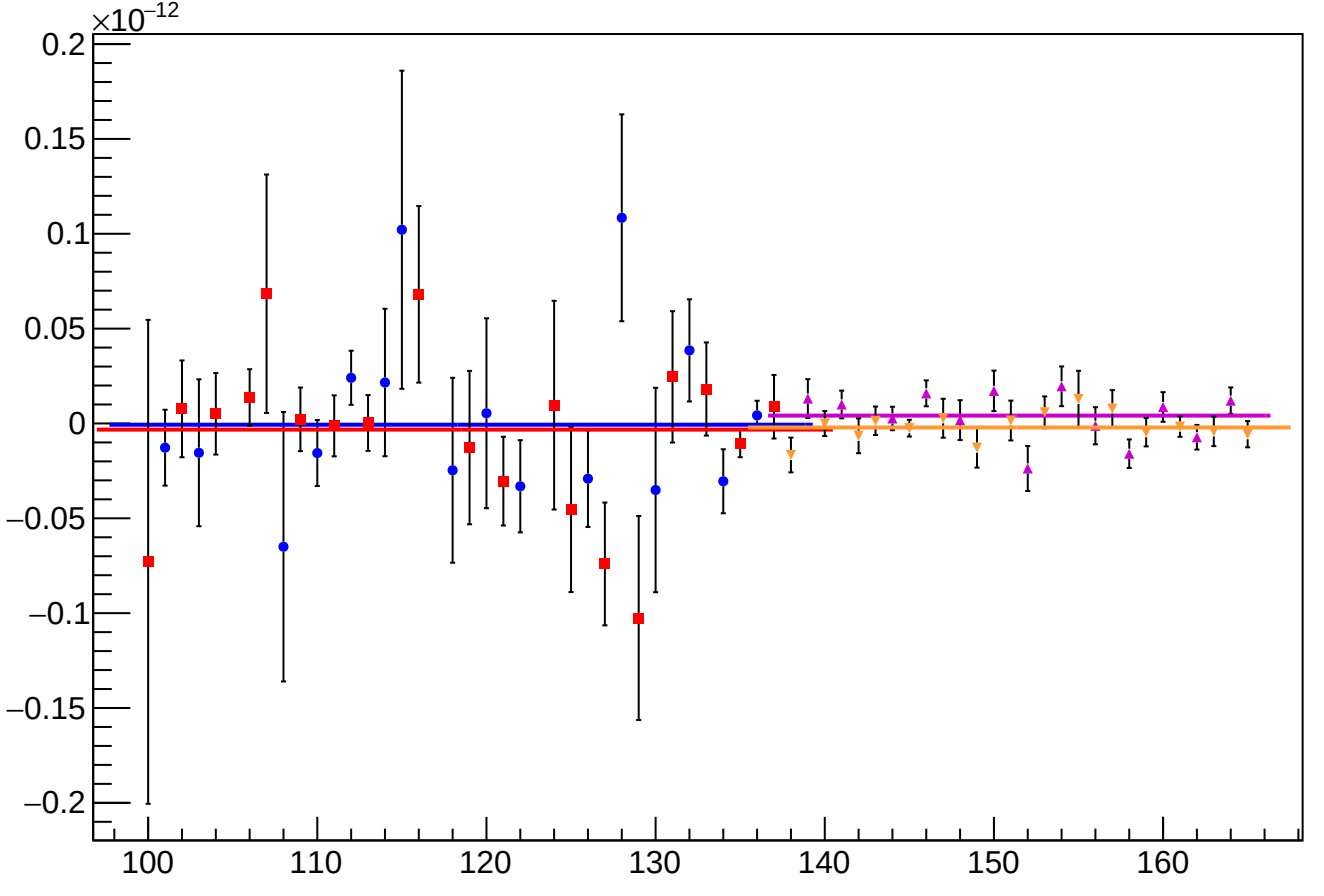
Left In: -0.004+/-0.005 χ^2/NDF:7.5/12

+ sign -0.012+/-0.004 χ^2/NDF: 59.9/30

All: -0.011+/-0.003 χ^2/NDF: 86.8/62

- sign -0.010+/-0.004 χ^2/NDF: 26.8/31


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 17.591+/-0.005 χ²/NDF: 993288.6/15
Left Out: 16.510+/-0.004 χ²/NDF:2778605.1/14
Right Out: 19.072+/-0.005 χ²/NDF: 1247904.7/18
Left In: 15.157+/-0.004 χ²/NDF:2667565.4/12
+ sign 16.891+/-0.003 χ²/NDF: 3801138.5/30
All: 16.618+/-0.002 χ²/NDF: 8088995.4/62
- sign 16.346+/-0.003 χ²/NDF: 4271570.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/14

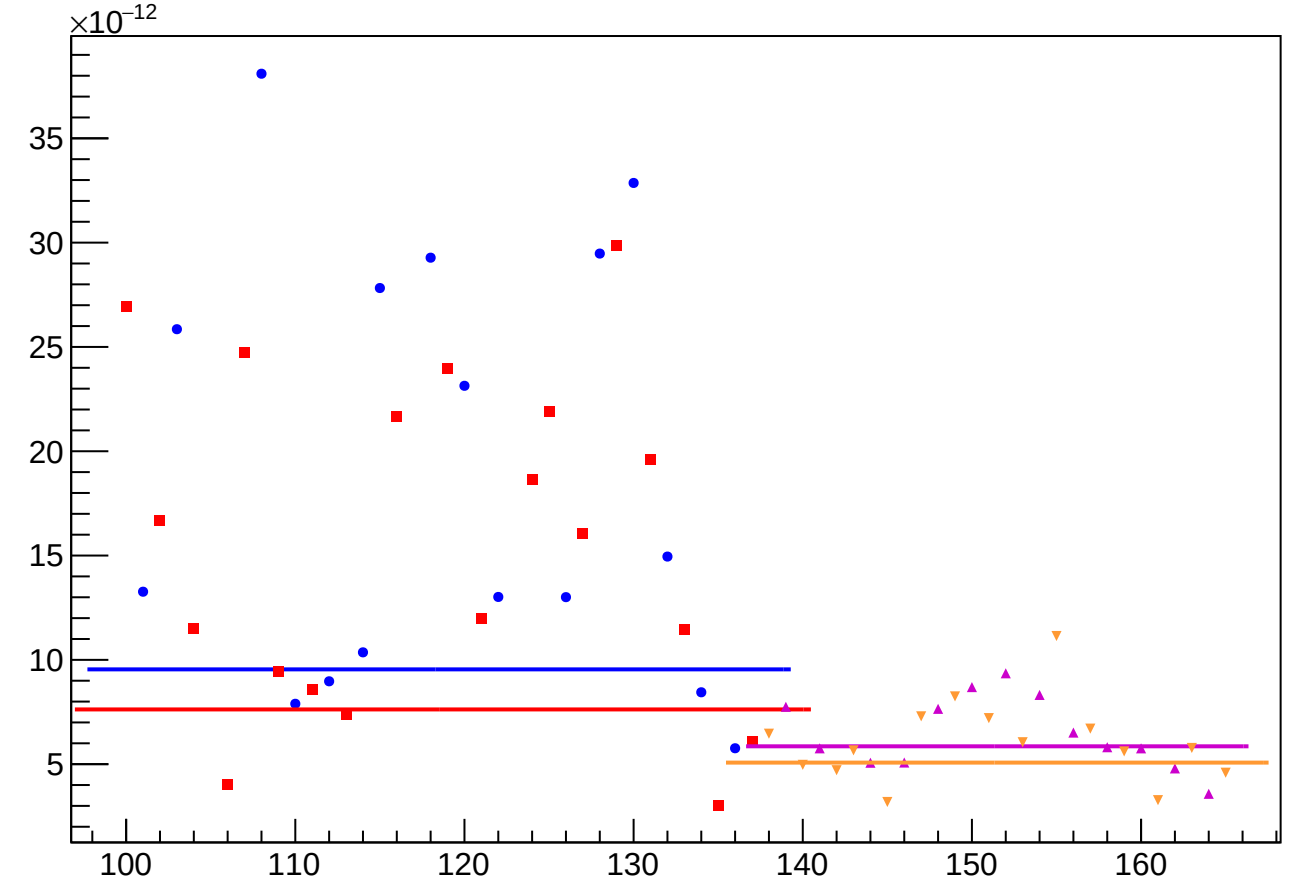
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:25.8/12

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/30

All: 0.000+/-0.000 χ^2/NDF: 78.2/62

- sign 0.000+/-0.000 χ^2/NDF: 47.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1459940.4/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

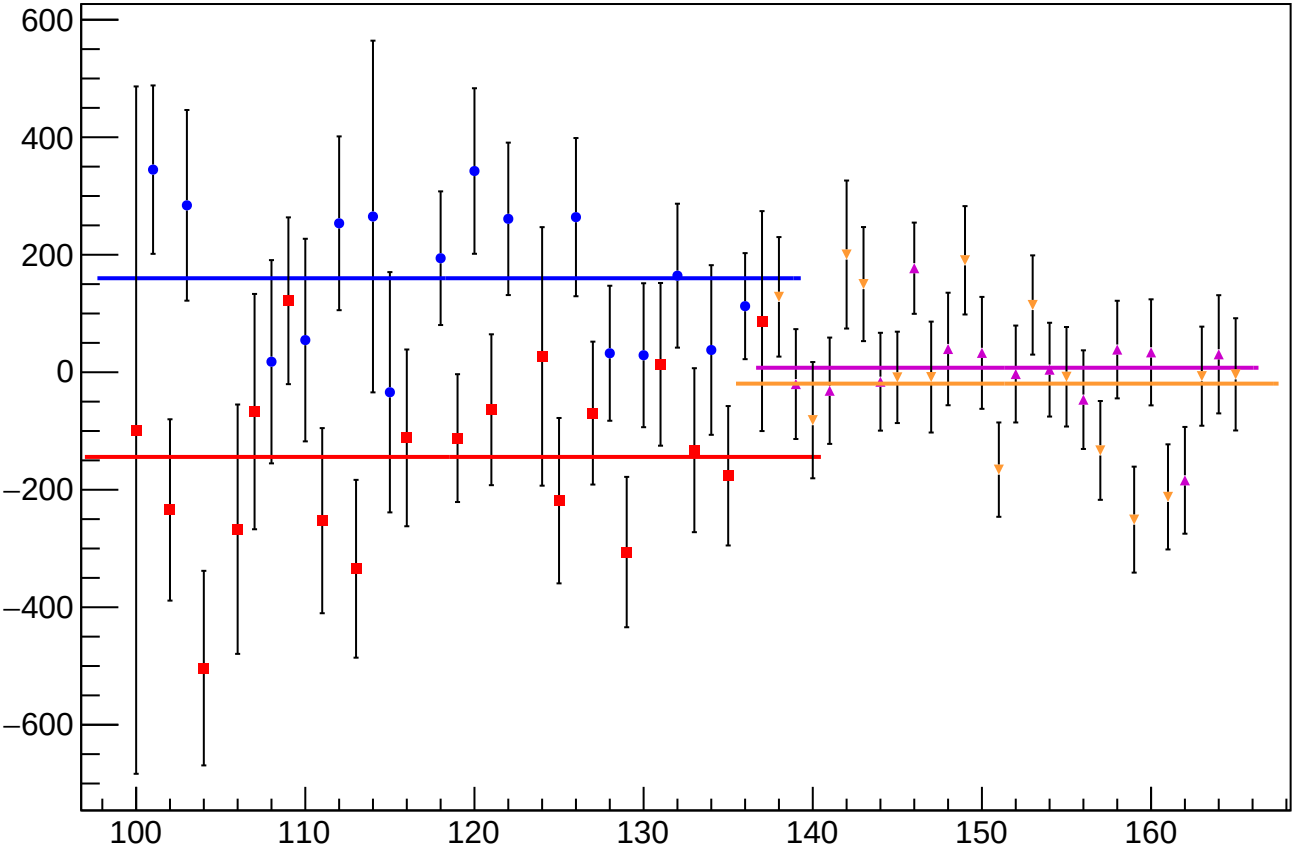
Left In: 0.000+/-0.000 χ^2/NDF:887428.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 5447261.5/30

All: 0.000+/-0.000 χ^2/NDF: 9753696.2/62

- sign 0.000+/-0.000 χ^2/NDF: 4221968.5/31

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.359+/-23.331 χ^2/NDF:32.8/14

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

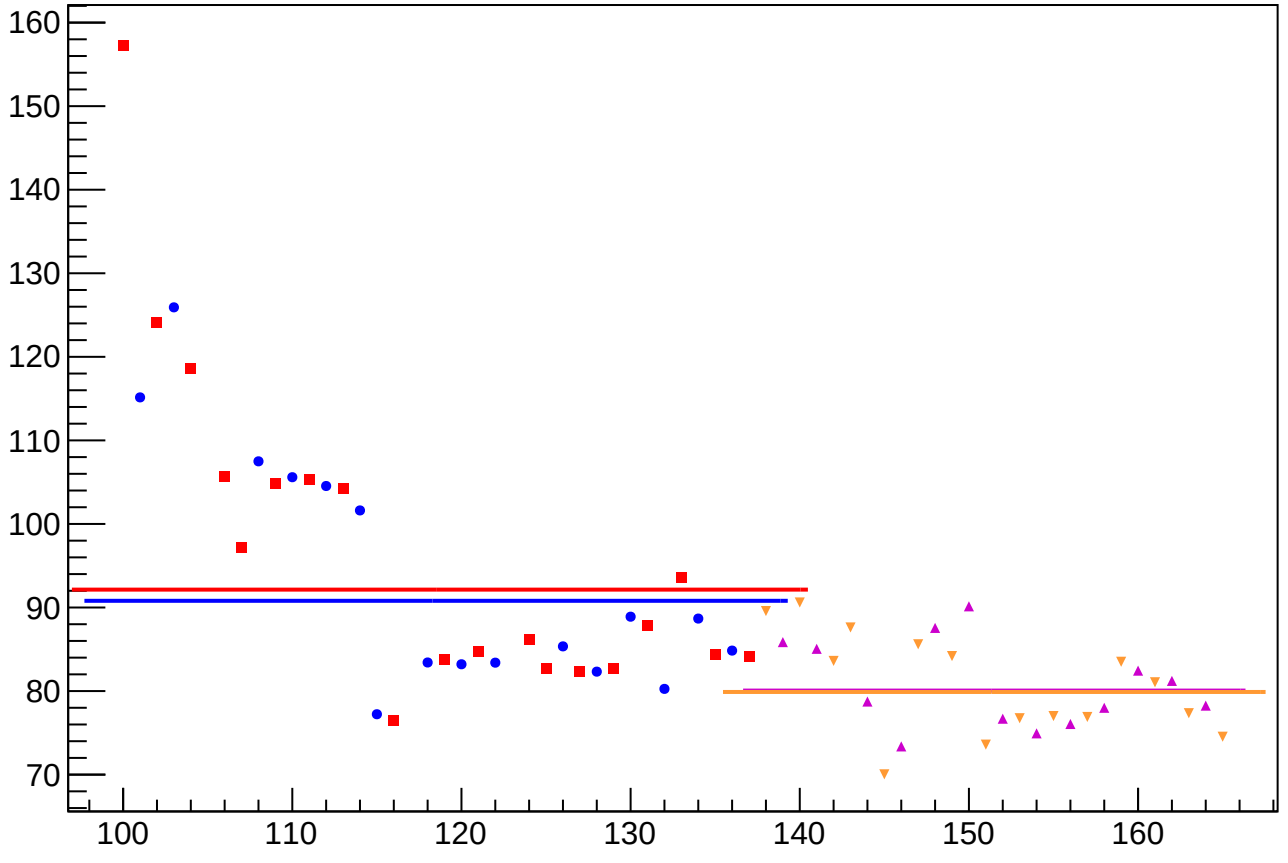
Left In: 7.655+/-24.259 χ^2/NDF:10.5/12

+ sign 37.679+/-19.268 χ^2/NDF: 62.6/30

All: -1.643+/-13.805 χ^2/NDF: 112.1/62

- sign -43.121+/-19.789 χ^2/NDF: 41.0/31

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 79.893+/-0.016 χ^2/NDF:131311.6/14

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

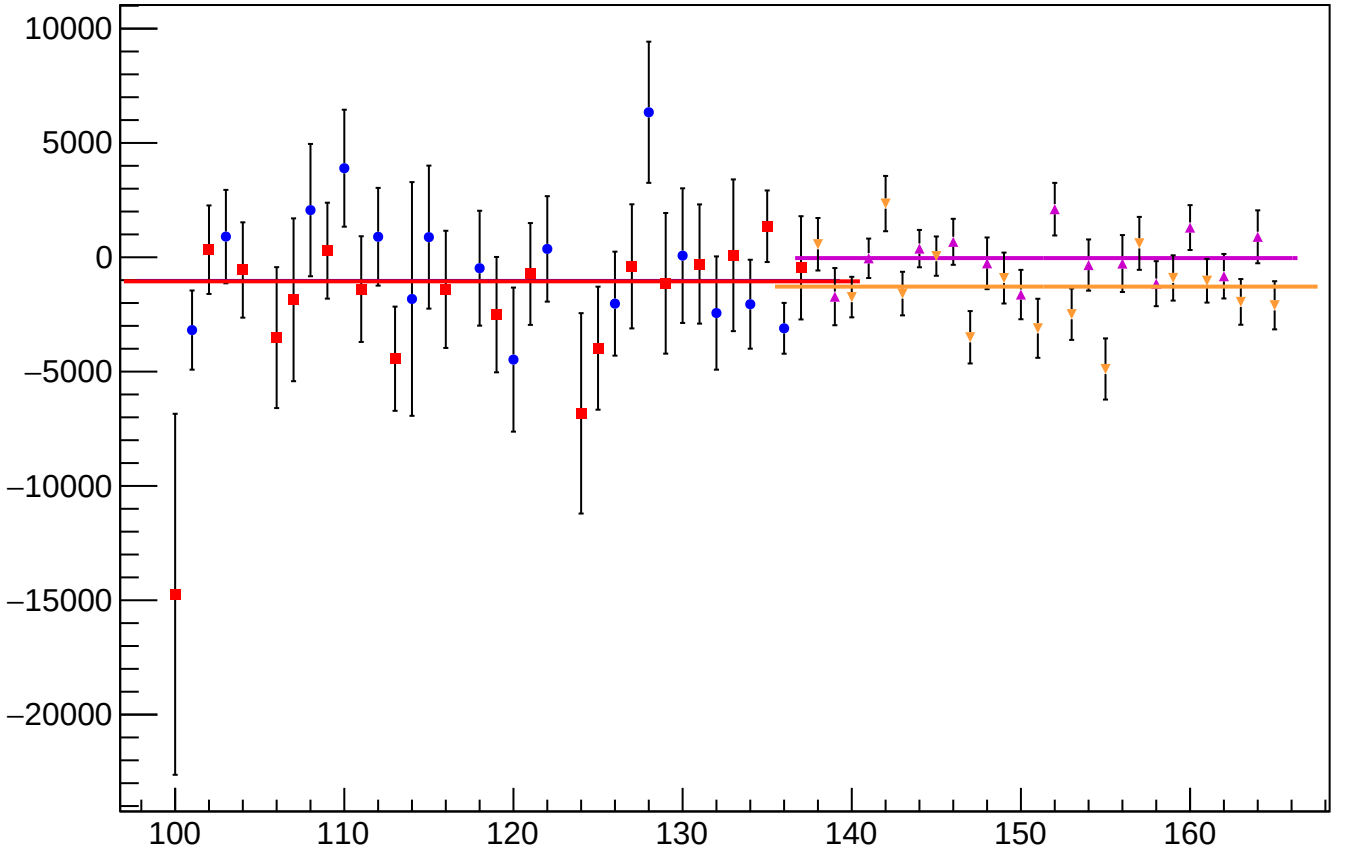
Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

+ sign 83.362+/-0.014 χ^2/NDF: 543099.5/30

All: 83.721+/-0.010 χ^2/NDF: 1096053.6/62

- sign 84.100+/-0.014 χ^2/NDF: 551525.0/31

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1283.264+/-272.620 χ^2/NDF:32.6/14

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

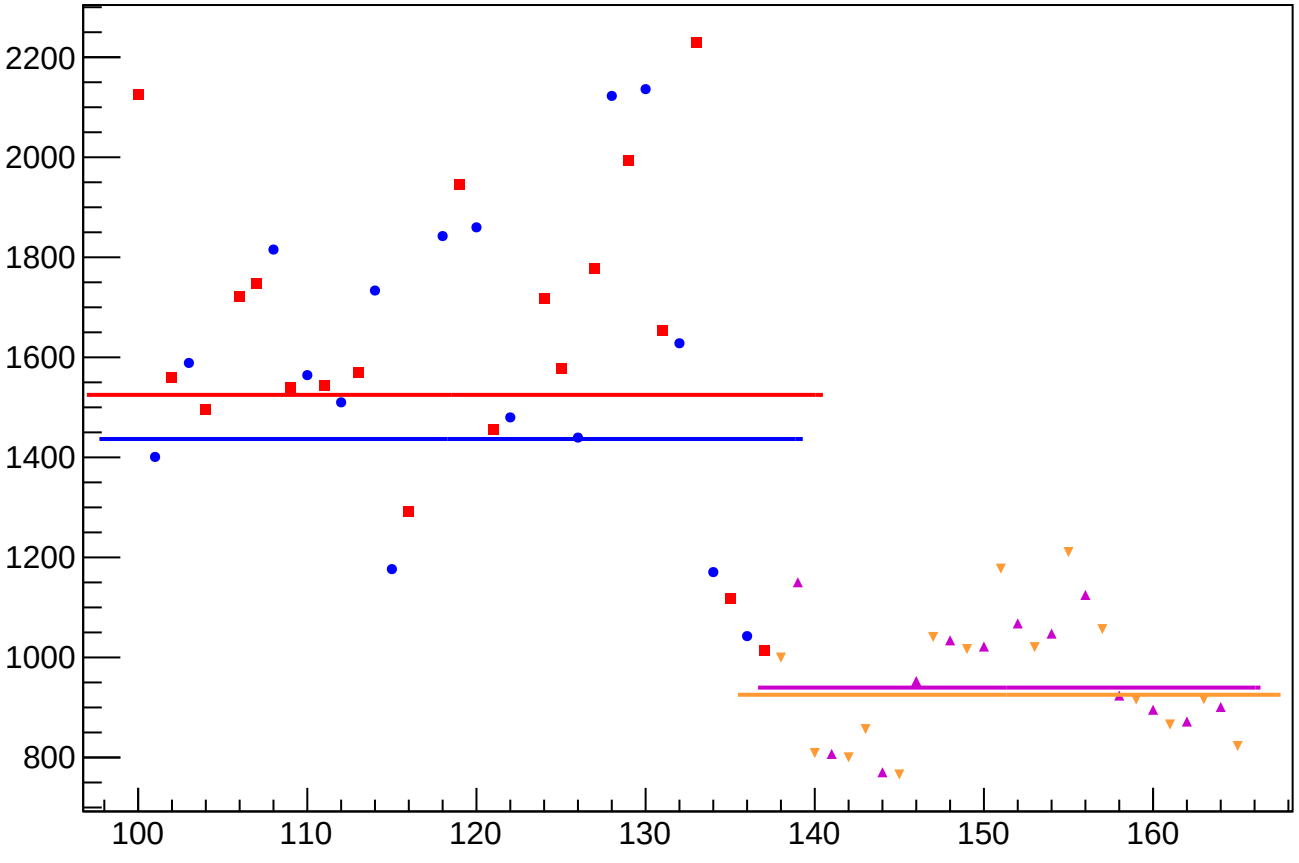
Left In: -35.357+/-286.526 χ^2/NDF:12.8/12

+ sign -1234.334+/-244.278 χ^2/NDF: 53.0/30

All: -760.719+/-176.698 χ^2/NDF: 89.1/62

- sign -240.943+/-255.905 χ^2/NDF: 28.3/31

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 925.395+/-0.193 χ^2/NDF:411777.4/14

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

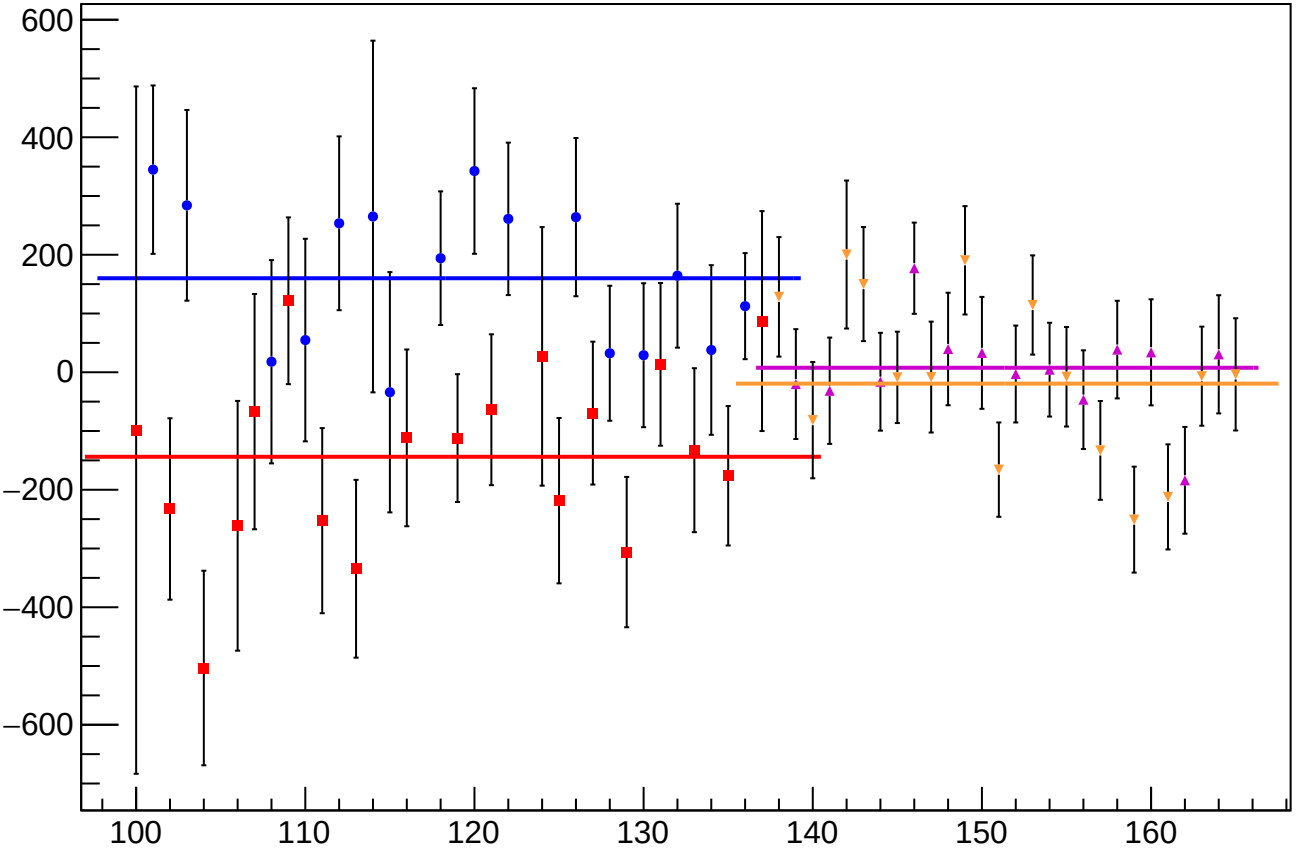
Left In: 939.705+/-0.203 χ^2/NDF:320051.4/12

+ sign 1026.187+/-0.173 χ^2/NDF: 2474367.3/30

All: 1041.407+/-0.125 χ^2/NDF: 5003448.1/62

- sign 1058.111+/-0.181 χ^2/NDF: 2512794.5/31

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.357+/-23.331 χ^2/NDF:32.8/14

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

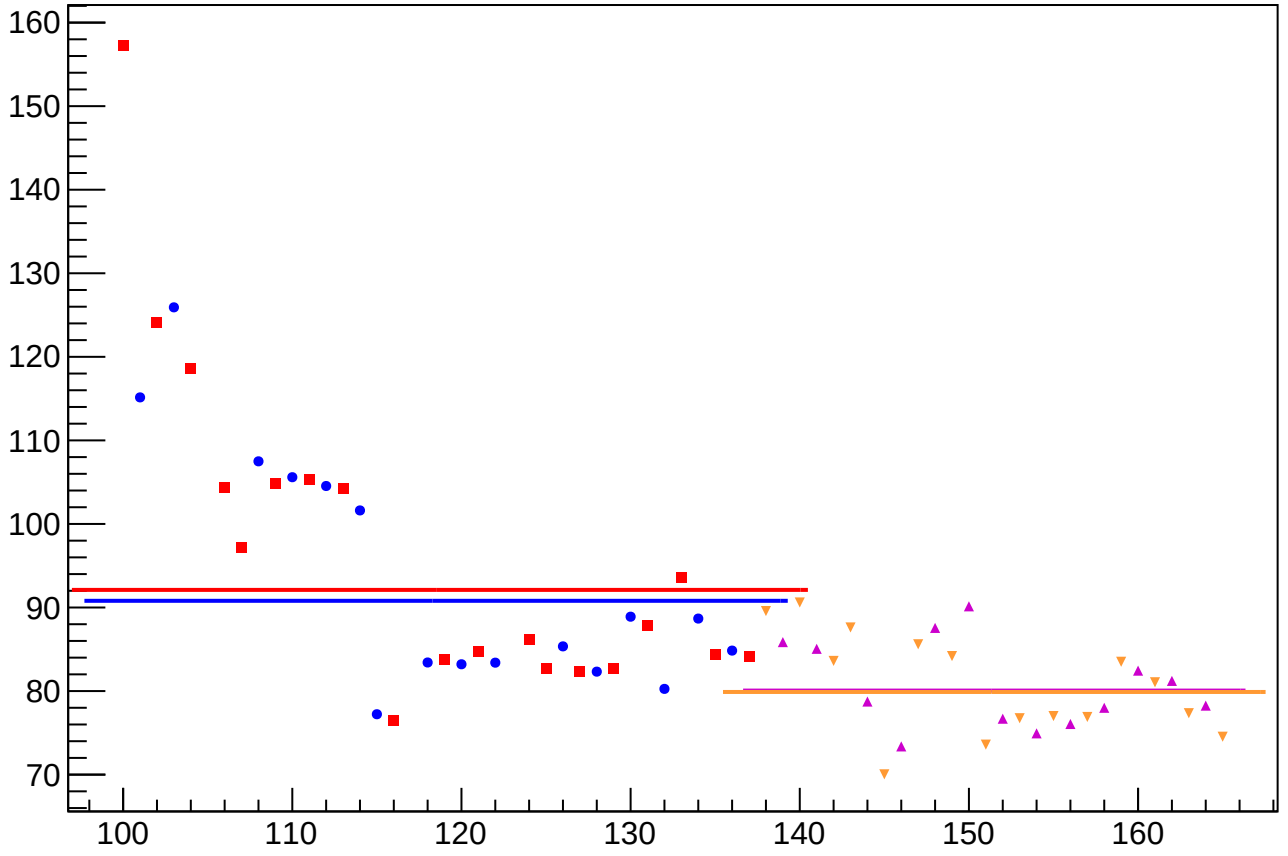
Left In: 7.656+/-24.259 χ^2/NDF:10.5/12

+ sign 37.680+/-19.268 χ^2/NDF: 62.6/30

All: -1.597+/-13.805 χ^2/NDF: 112.0/62

- sign -43.030+/-19.790 χ^2/NDF: 40.9/31

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.893+/-0.016 χ^2/NDF:131311.6/14

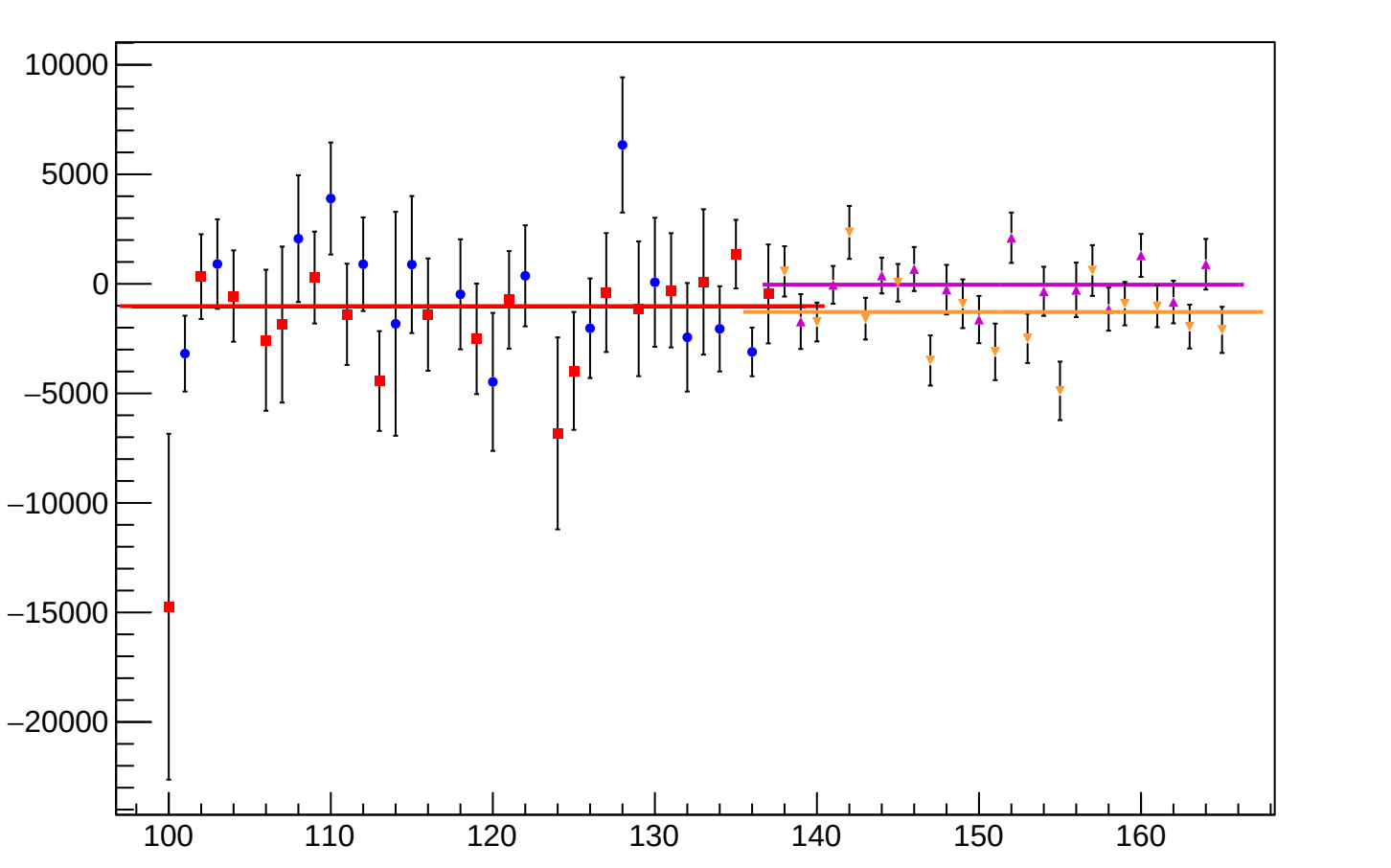
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

+ sign 83.362+/-0.014 χ^2/NDF: 543101.5/30

All: 83.715+/-0.010 χ^2/NDF: 1093825.8/62

- sign 84.089+/-0.014 χ^2/NDF: 549339.1/31



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1283.260+/-272.620 χ^2/NDF:32.6/14

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

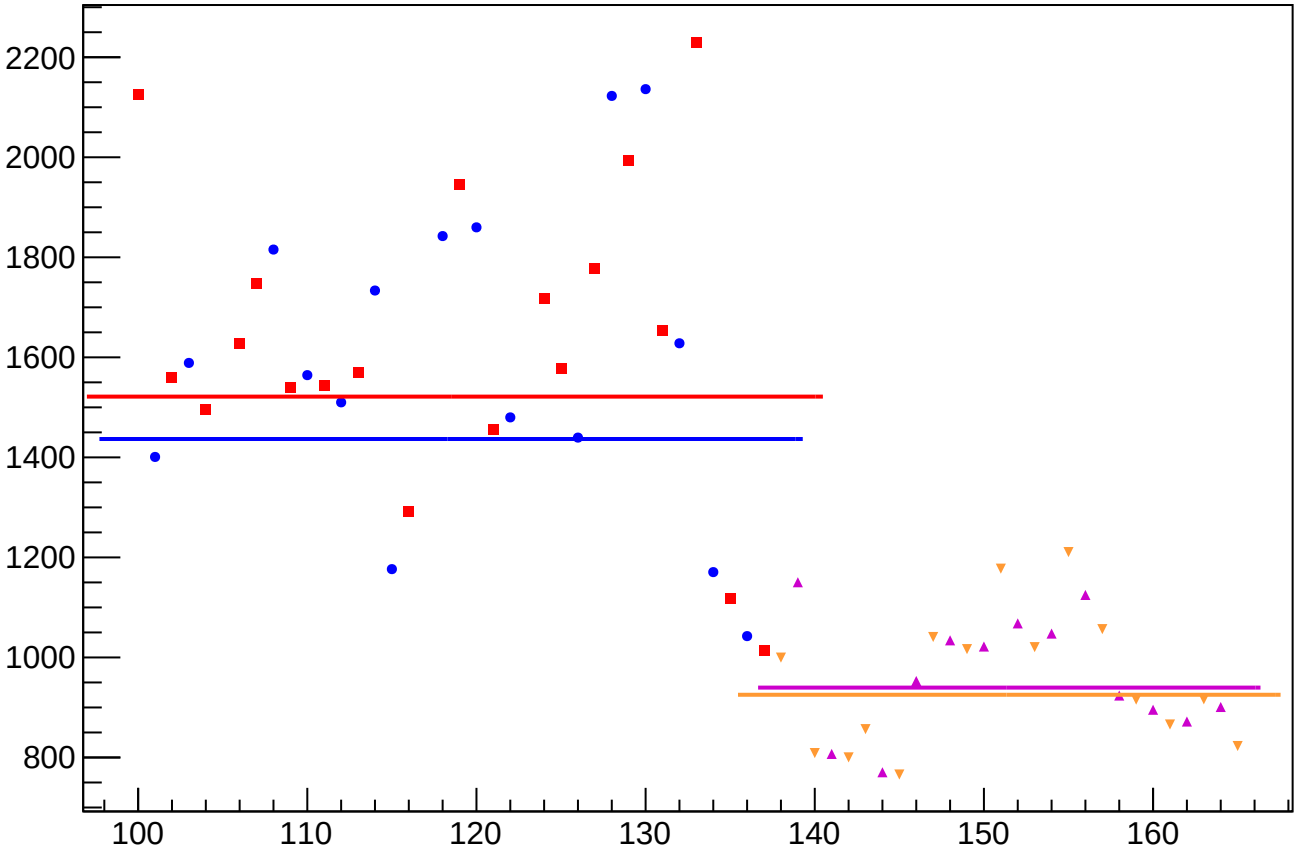
Left In: -35.357+/-286.526 χ^2/NDF:12.8/12

+ sign -1234.327+/-244.278 χ^2/NDF: 53.0/30

All: -757.156+/-176.723 χ^2/NDF: 88.6/62

- sign -233.169+/-255.981 χ^2/NDF: 27.6/31

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 925.395+/-0.193 χ^2/NDF:411778.1/14

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

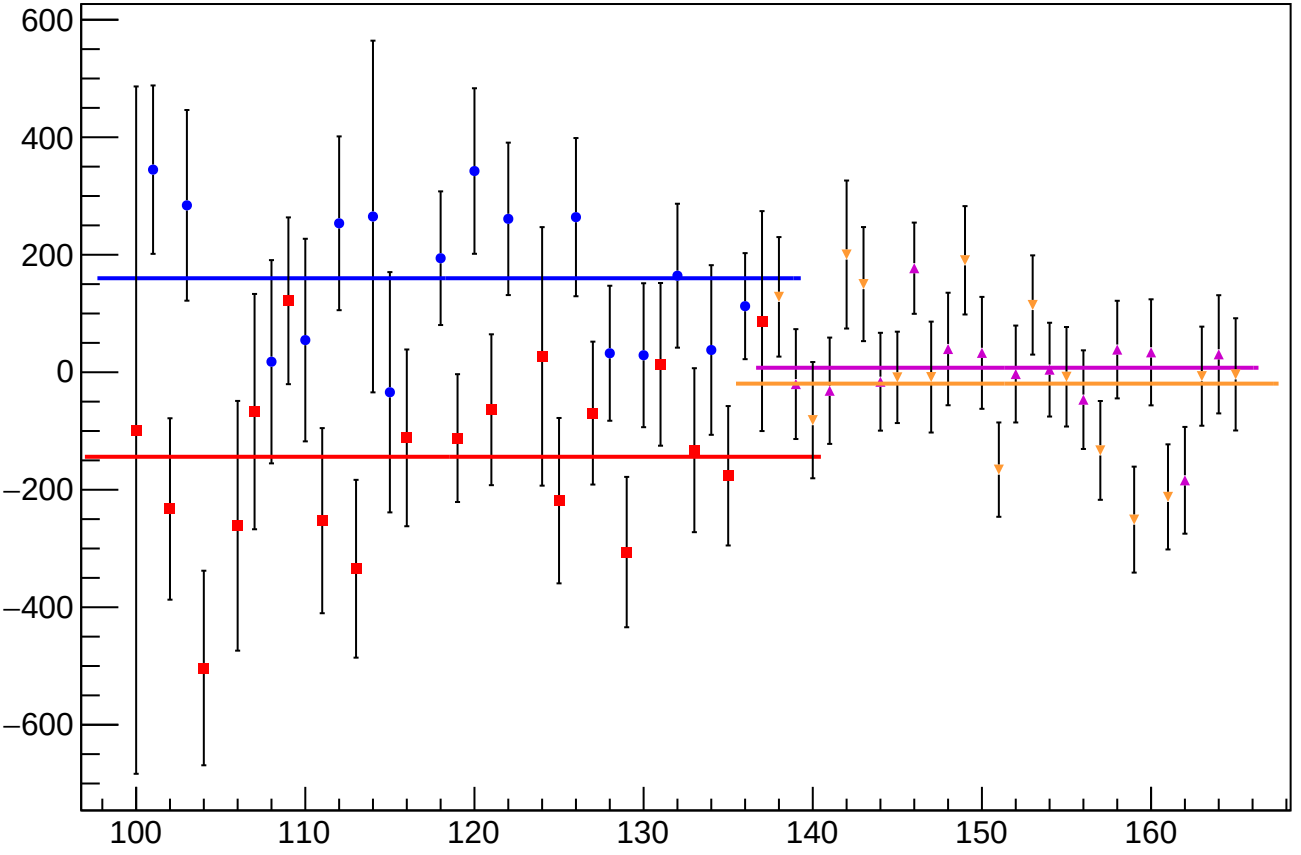
Left In: 939.705+/-0.203 χ^2/NDF:320051.6/12

+ sign 1026.187+/-0.173 χ^2/NDF: 2474390.0/30

All: 1040.937+/-0.125 χ^2/NDF: 4972473.5/62

- sign 1057.135+/-0.181 χ^2/NDF: 2482782.6/31

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -19.357+/-23.331 χ^2/NDF:32.8/14

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

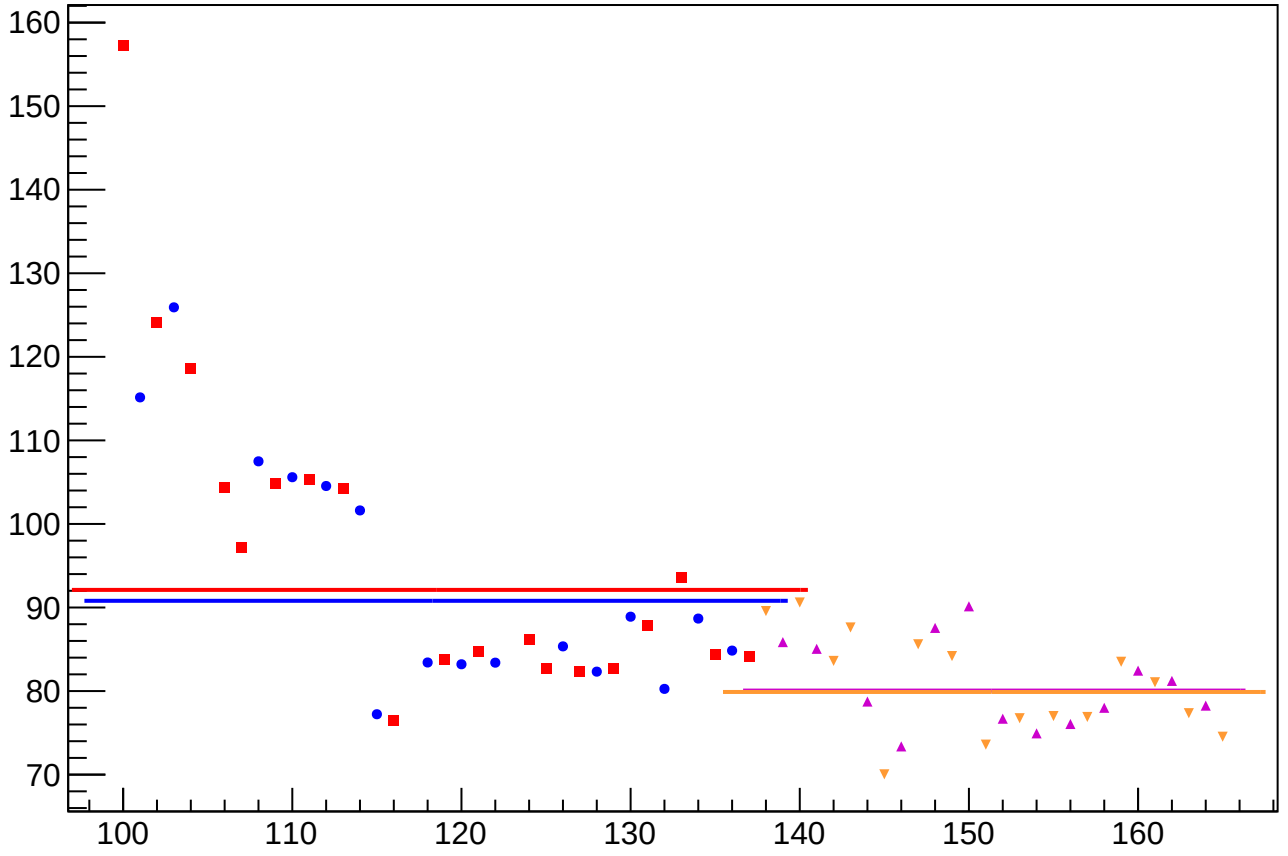
Left In: 7.656+/-24.259 χ^2/NDF:10.5/12

+ sign 37.680+/-19.268 χ^2/NDF: 62.6/30

All: -1.597+/-13.805 χ^2/NDF: 112.0/62

- sign -43.030+/-19.790 χ^2/NDF: 40.9/31

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 79.893+/-0.016 χ^2/NDF:131311.6/14

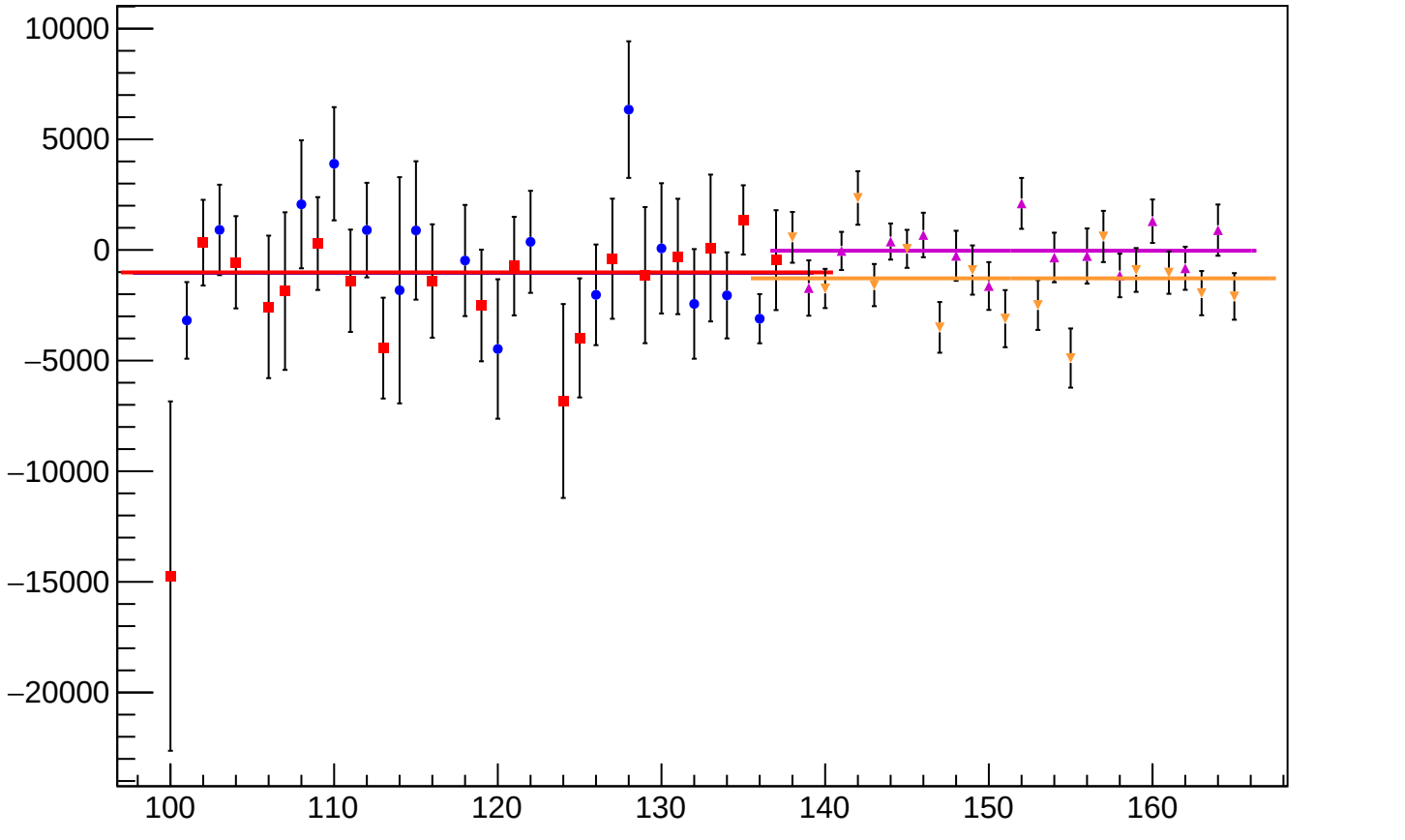
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

+ sign 83.362+/-0.014 χ^2/NDF: 543101.5/30

All: 83.715+/-0.010 χ^2/NDF: 1093825.8/62

- sign 84.089+/-0.014 χ^2/NDF: 549339.1/31



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1283.260+/-272.620 χ^2/NDF:32.6/14

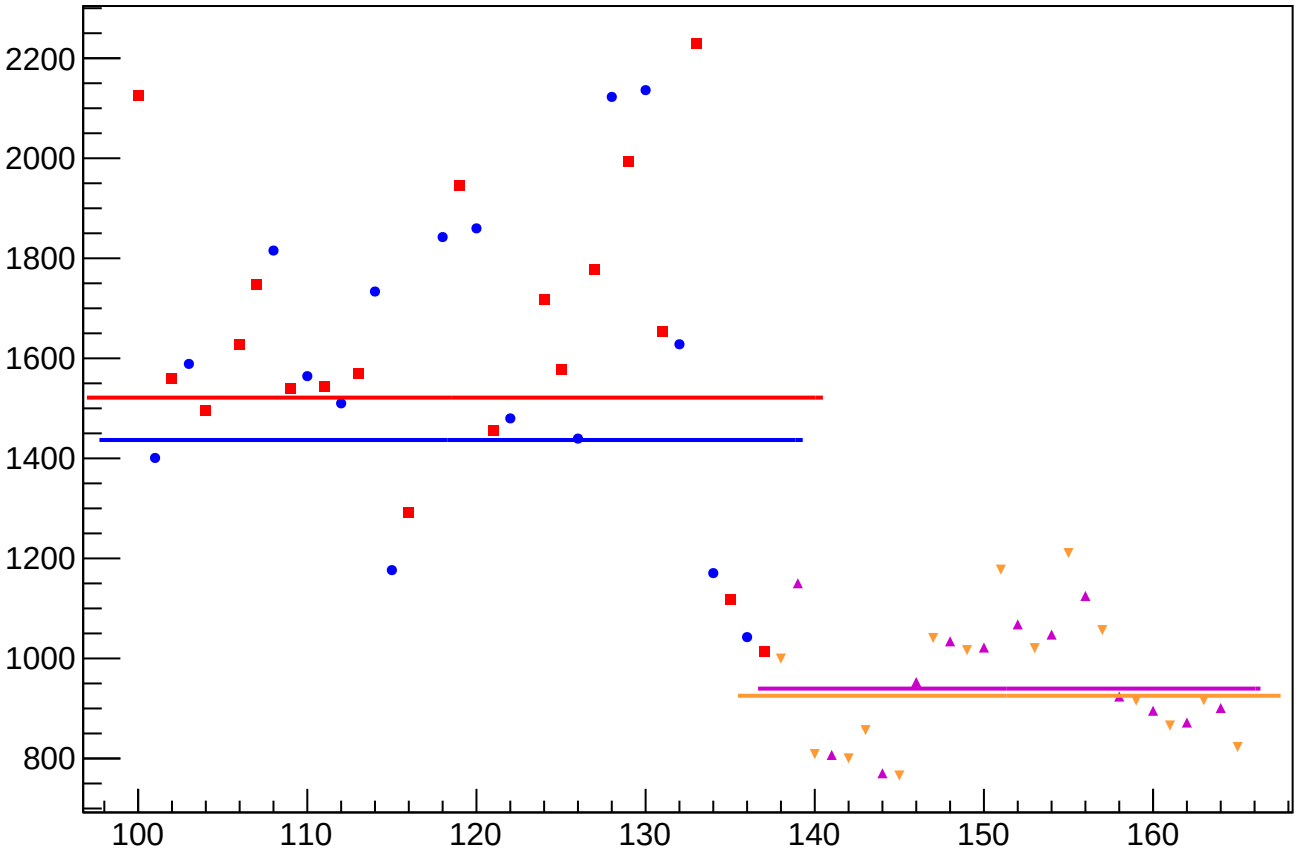
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -35.357+/-286.526 χ^2/NDF:12.8/12

+ sign -1234.327+/-244.278 χ^2/NDF: 53.0/30

All: -757.156+/-176.723 χ^2/NDF: 88.6/62

- sign -233.169+/-255.981 χ^2/NDF: 27.6/31



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 925.395+/-0.193 χ^2/NDF:411778.1/14

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

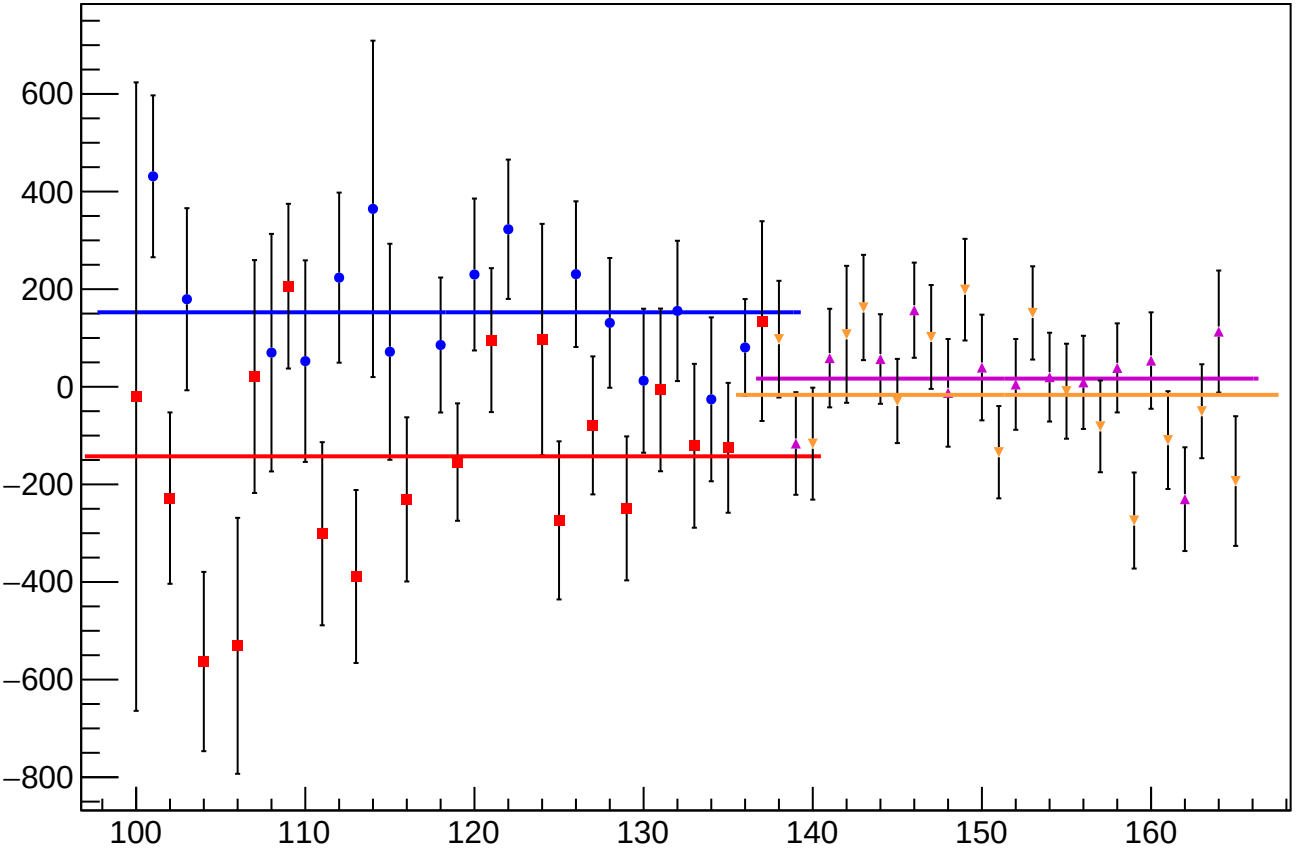
Left In: 939.705+/-0.203 χ^2/NDF:320051.6/12

+ sign 1026.187+/-0.173 χ^2/NDF: 2474390.0/30

All: 1040.937+/-0.125 χ^2/NDF: 4972473.5/62

- sign 1057.135+/-0.181 χ^2/NDF: 2482782.6/31

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -16.535+/-26.677 χ^2/NDF:25.5/14

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

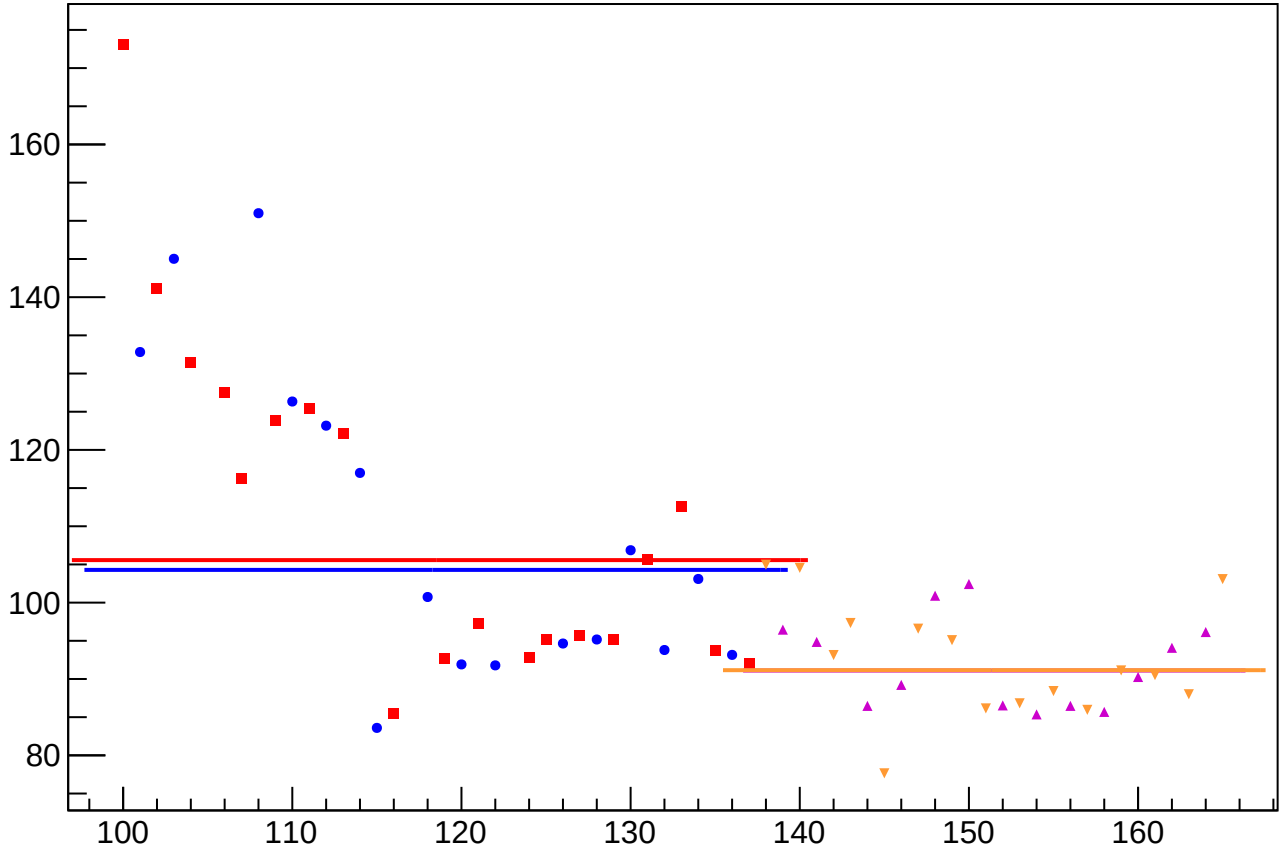
Left In: 16.769+/-27.726 χ^2/NDF:10.4/12

+ sign 36.554+/-22.098 χ^2/NDF: 46.7/30

All: 1.151+/-15.822 χ^2/NDF: 96.2/62

- sign -36.085+/-22.663 χ^2/NDF: 44.2/31

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 91.153+/-0.019 χ^2/NDF:153842.9/14

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

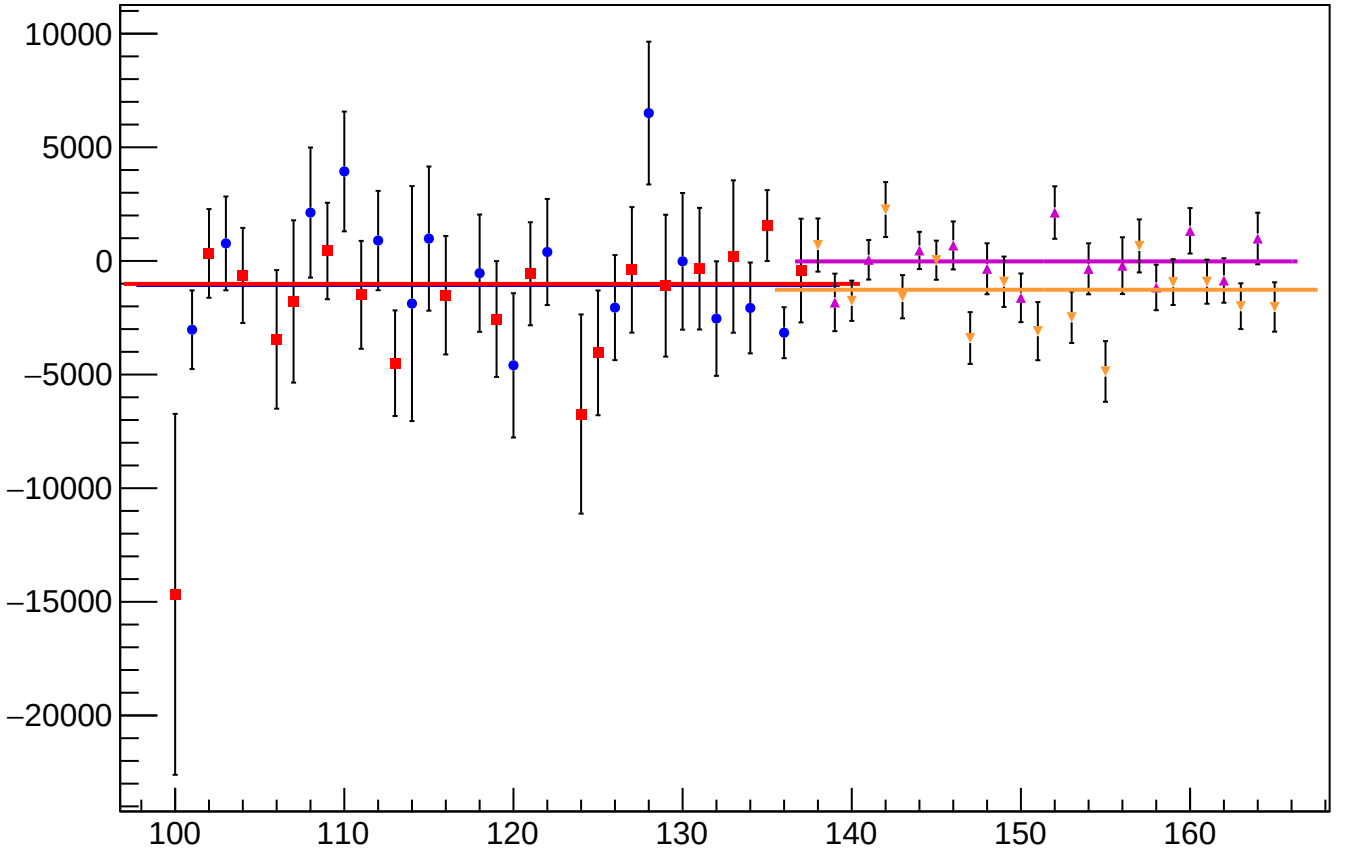
Left In: 91.105+/-0.020 χ^2/NDF:80940.5/12

+ sign 95.275+/-0.016 χ^2/NDF: 684268.8/30

All: 95.582+/-0.011 χ^2/NDF: 1291220.2/62

- sign 95.905+/-0.016 χ^2/NDF: 606159.2/31

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1268.104+/-274.187 χ^2/NDF:32.0/14

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

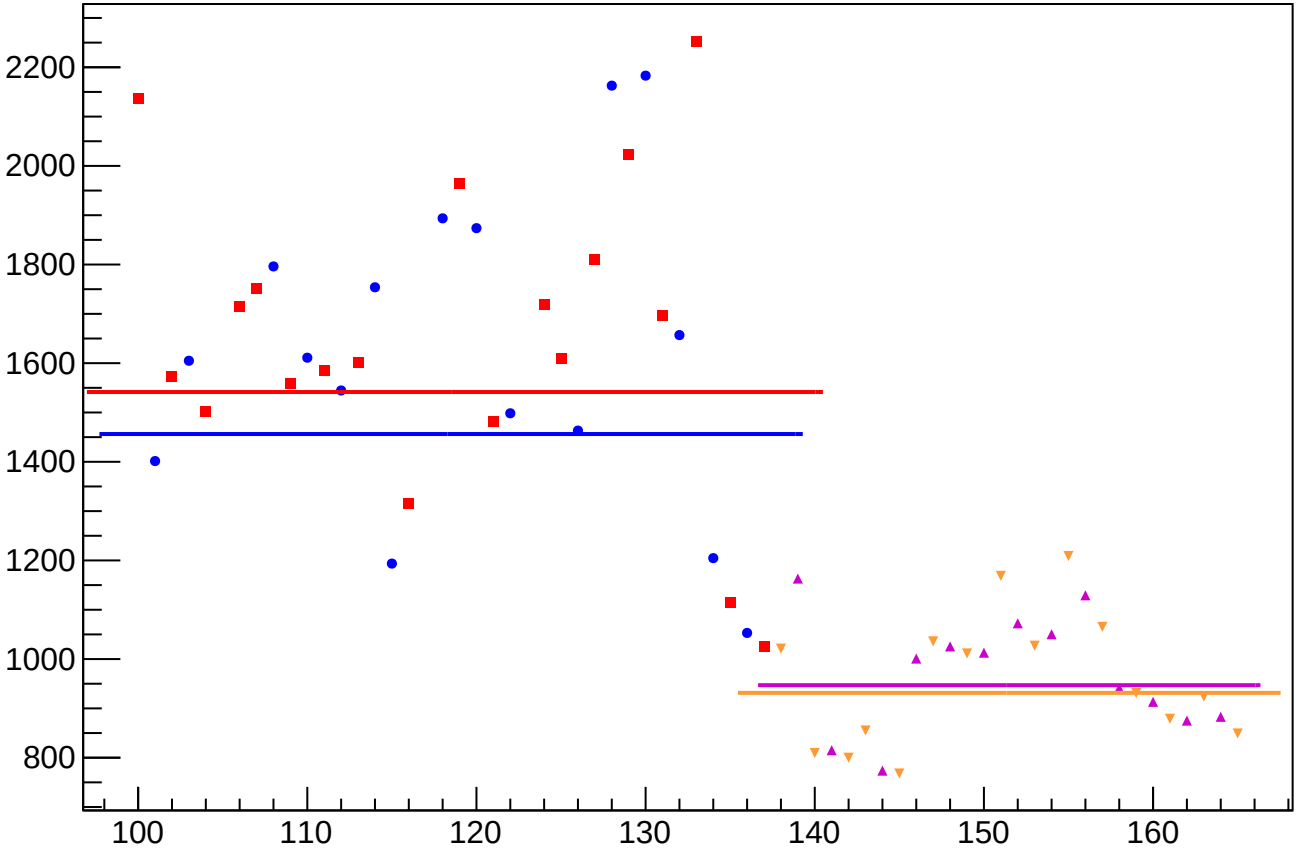
Left In: -21.127+/-288.687 χ^2/NDF:13.4/12

+ sign -1227.463+/-246.053 χ^2/NDF: 52.2/30

All: -747.672+/-178.061 χ^2/NDF: 89.2/62

- sign -220.135+/-258.005 χ^2/NDF: 29.0/31

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 931.503+/-0.194 χ^2/NDF:398748.5/14

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

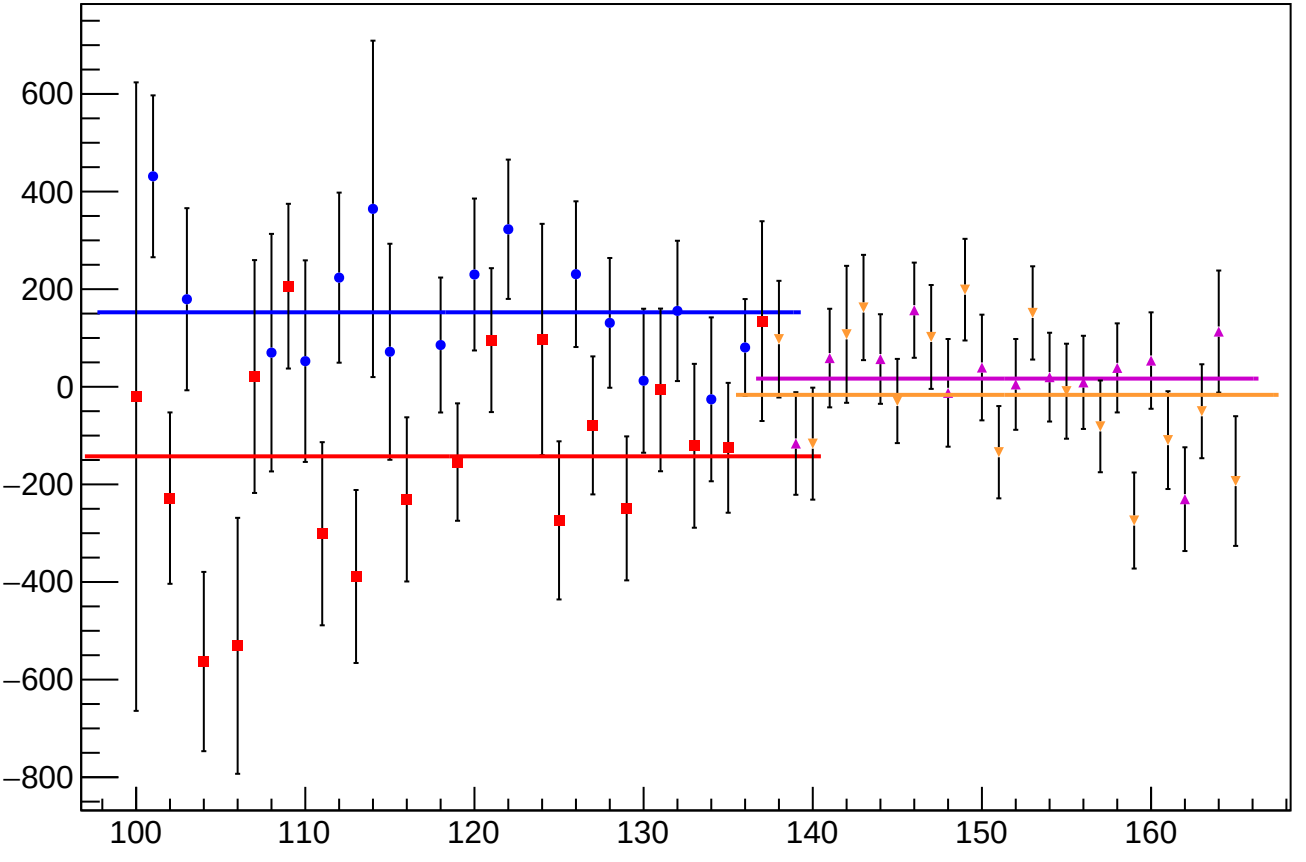
Left In: 947.063+/-0.204 χ^2/NDF:318909.3/12

+ sign 1033.676+/-0.174 χ^2/NDF: 2510037.6/30

All: 1049.409+/-0.126 χ^2/NDF: 5072280.7/62

- sign 1066.707+/-0.182 χ^2/NDF: 2545075.3/31

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -16.534+/-26.678 χ^2/NDF:25.5/14

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

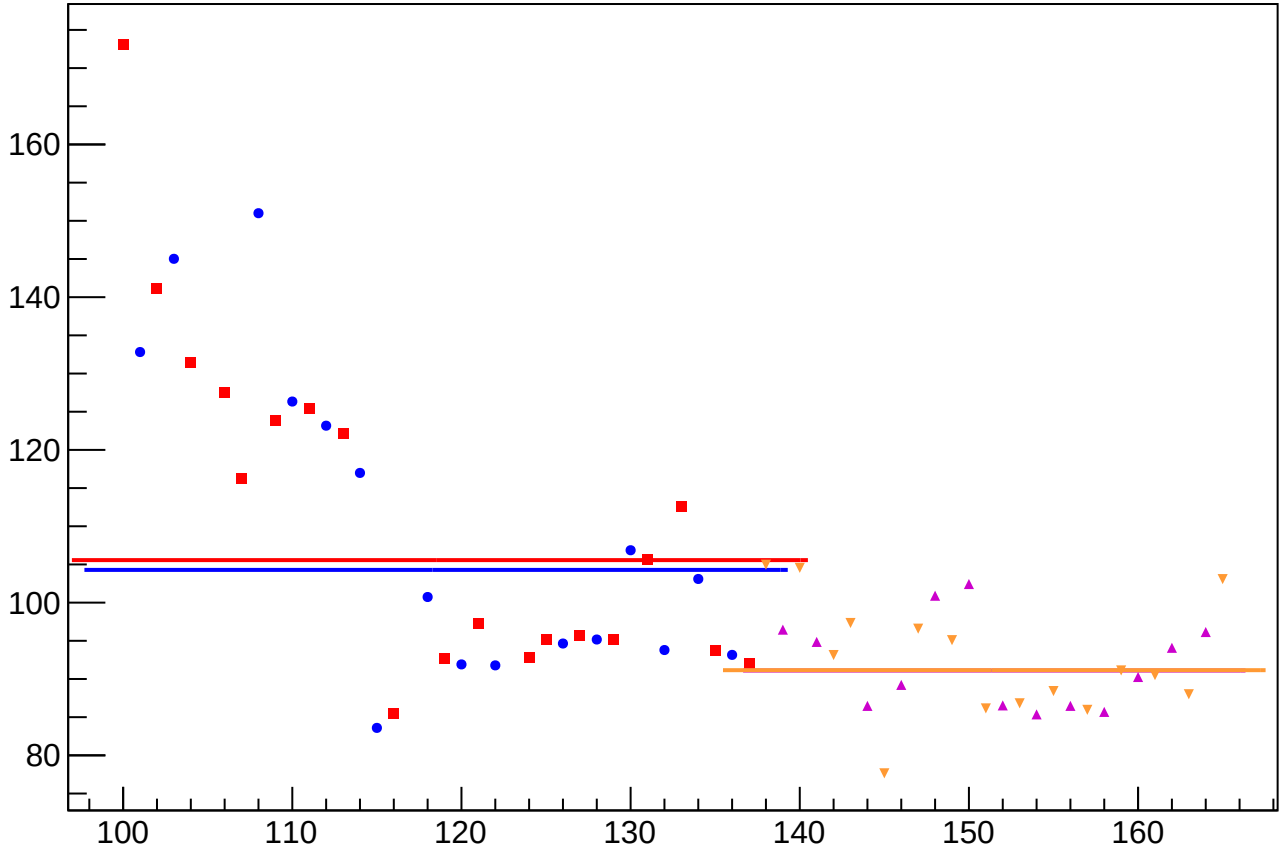
Left In: 16.770+/-27.726 χ^2/NDF:10.4/12

+ sign 36.556+/-22.098 χ^2/NDF: 46.7/30

All: 1.152+/-15.822 χ^2/NDF: 96.2/62

- sign -36.084+/-22.663 χ^2/NDF: 44.2/31

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 91.153+/-0.019 χ^2/NDF:153838.2/14

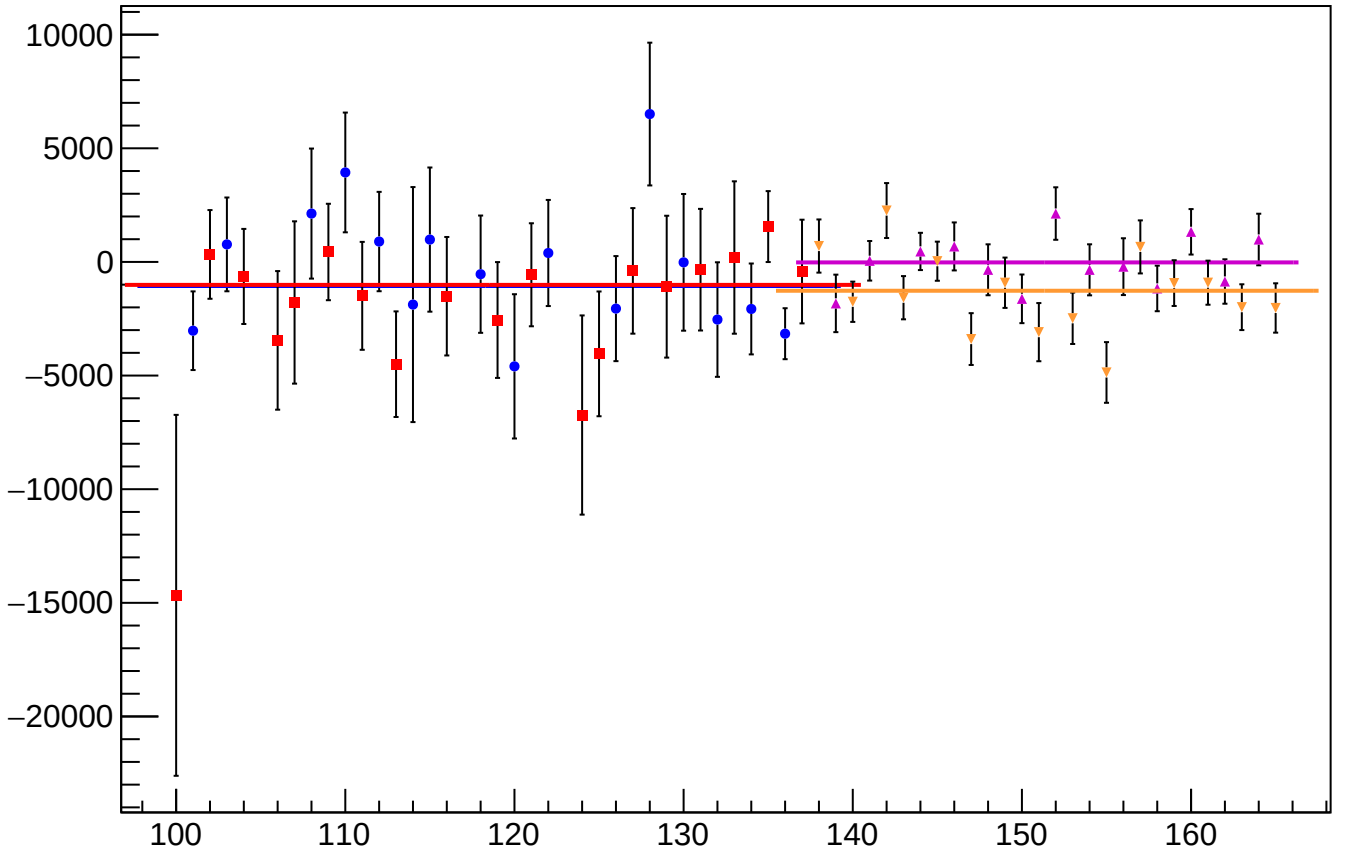
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.105+/-0.020 χ^2/NDF:80939.5/12

+ sign 95.275+/-0.016 χ^2/NDF: 684241.6/30

All: 95.582+/-0.011 χ^2/NDF: 1291173.7/62

- sign 95.905+/-0.016 χ^2/NDF: 606140.0/31



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1268.102+/-274.187 χ^2/NDF:32.0/14

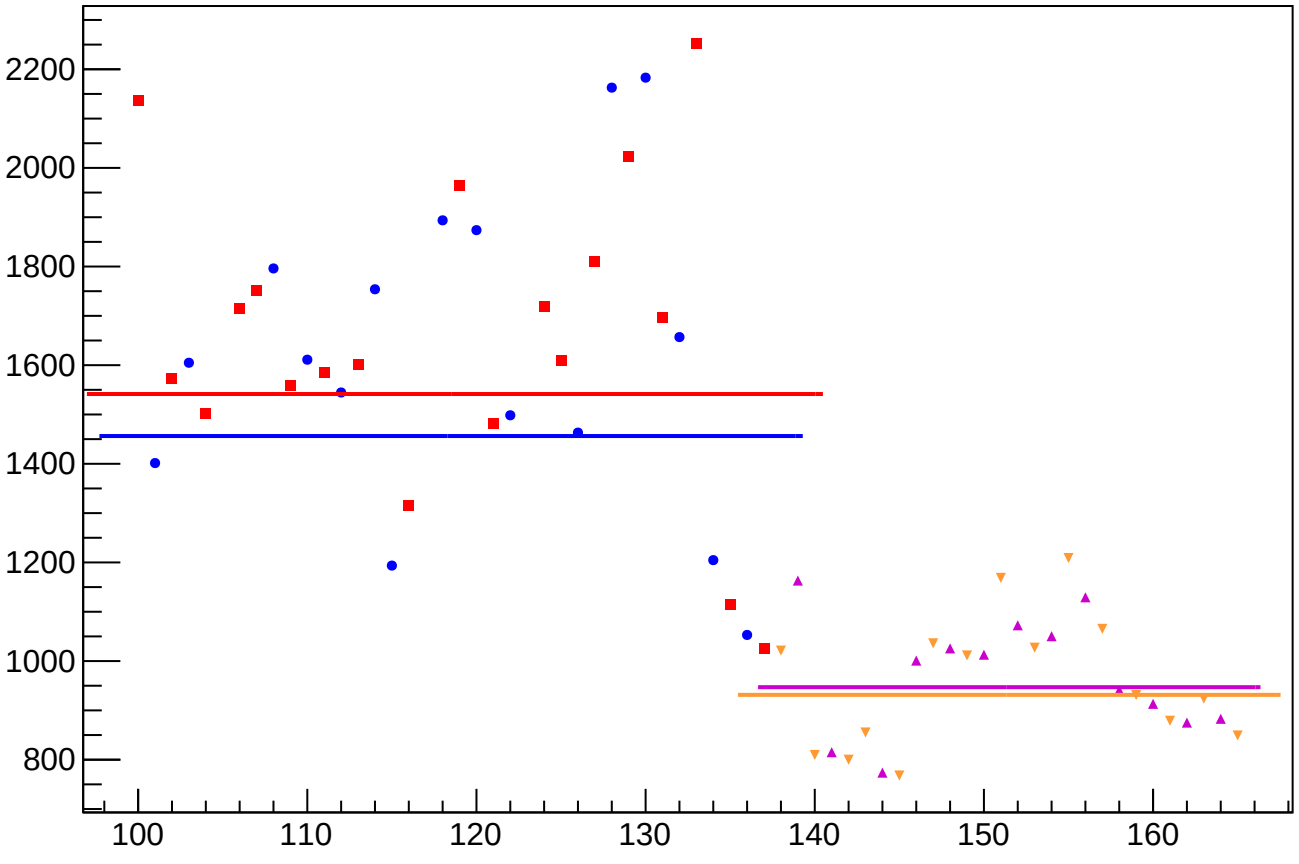
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -21.126+/-288.687 χ^2/NDF:13.4/12

+ sign -1227.461+/-246.053 χ^2/NDF: 52.2/30

All: -747.670+/-178.061 χ^2/NDF: 89.2/62

- sign -220.135+/-258.005 χ^2/NDF: 29.0/31



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 931.502+/-0.194 χ^2/NDF:398751.3/14

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

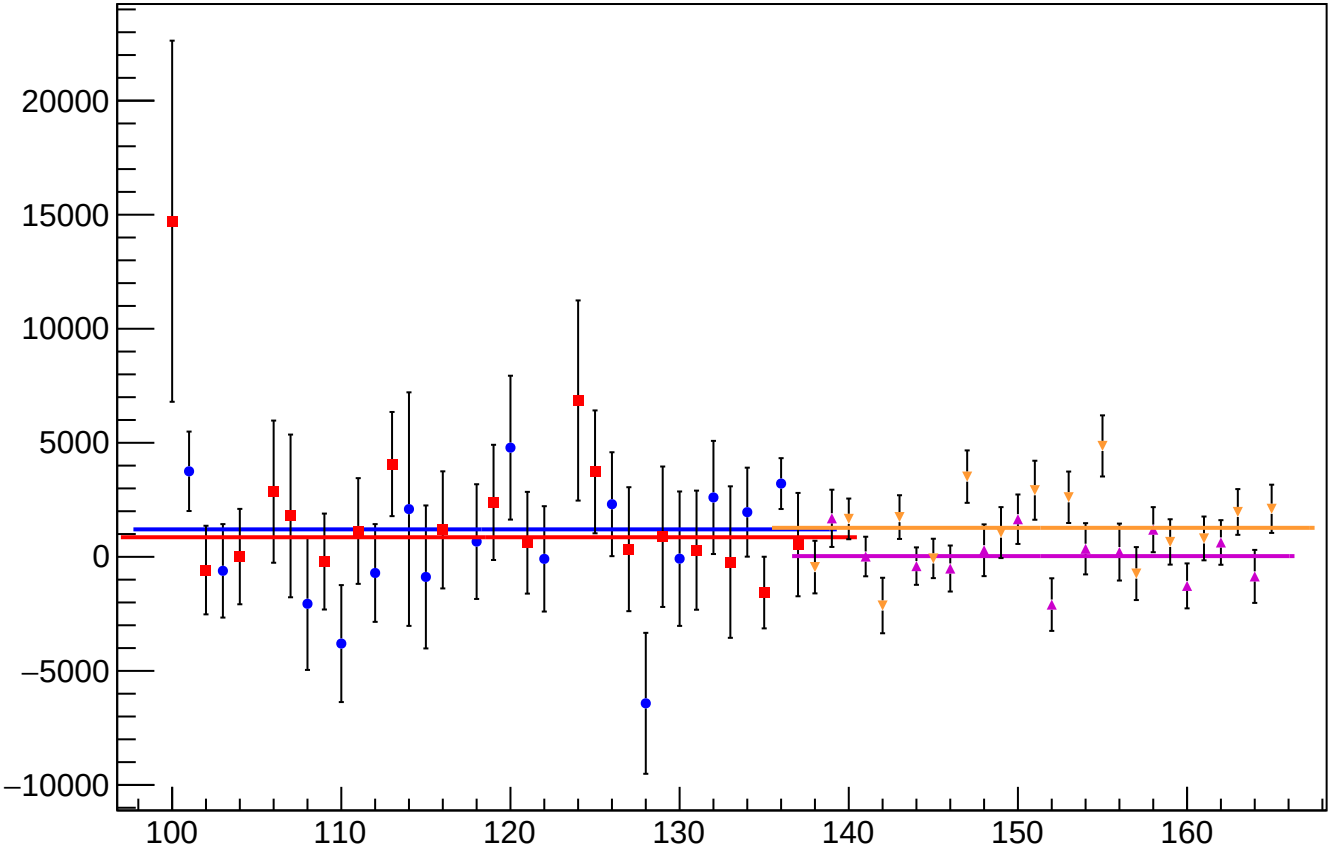
Left In: 947.062+/-0.204 χ^2/NDF:318910.3/12

+ sign 1033.675+/-0.174 χ^2/NDF: 2510032.8/30

All: 1049.408+/-0.126 χ^2/NDF: 5072270.4/62

- sign 1066.706+/-0.182 χ^2/NDF: 2545069.7/31

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1271.899+/-273.748 χ^2/NDF:31.7/14

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

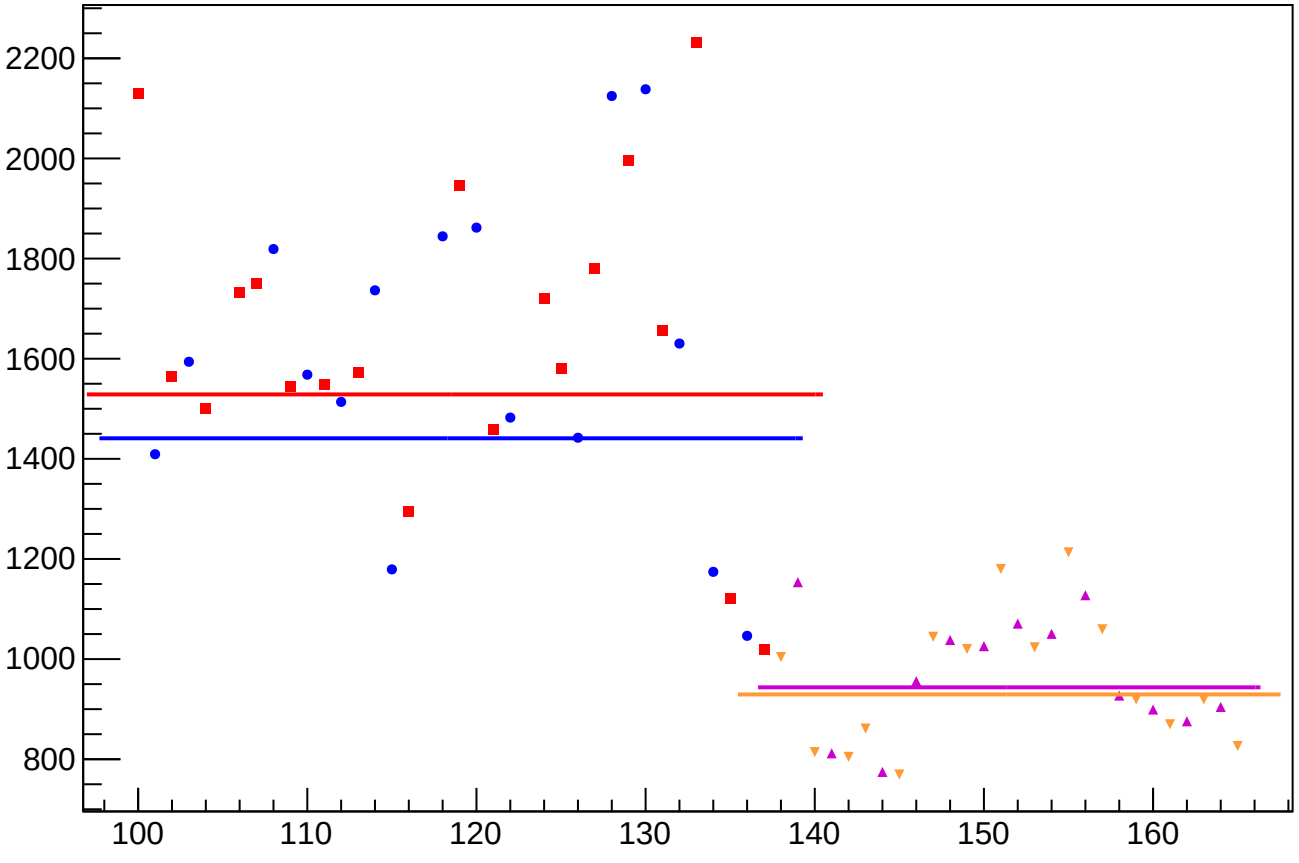
Left In: 32.201+/-287.658 χ^2/NDF:12.2/12

+ sign 1258.622+/-245.223 χ^2/NDF: 52.9/30

All: 753.756+/-177.365 χ^2/NDF: 88.1/62

- sign 199.906+/-256.844 χ^2/NDF: 26.4/31

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 929.395+/-0.194 χ^2/NDF:405792.1/14

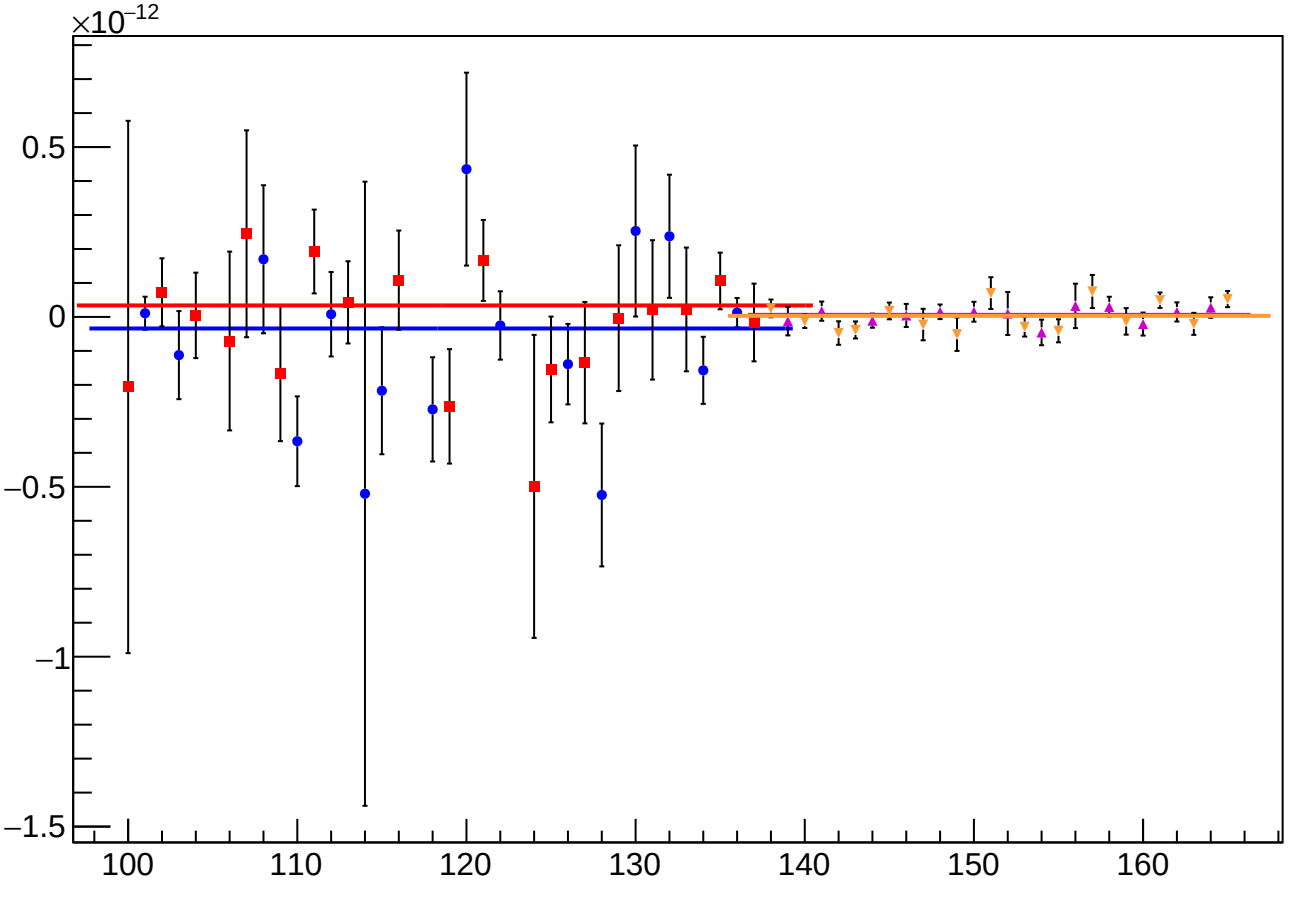
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 943.555+/-0.203 χ^2/NDF:315036.8/12

+ sign 1030.466+/-0.173 χ^2/NDF: 2456566.0/30

All: 1045.595+/-0.125 χ^2/NDF: 4967030.7/62

- sign 1062.192+/-0.182 χ^2/NDF: 2494500.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/14

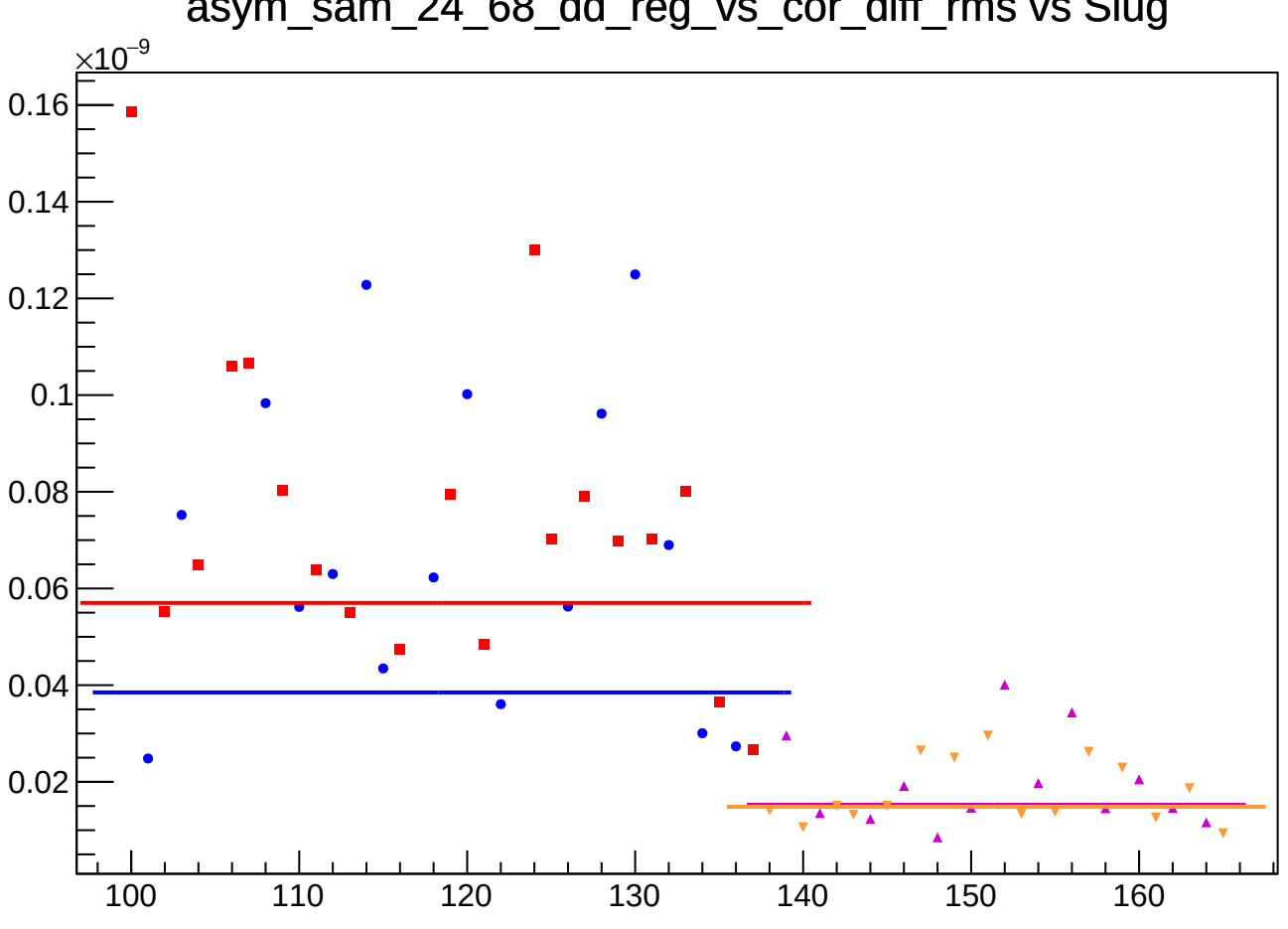
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 53.7/30

All: 0.000+/-0.000 χ^2/NDF: 73.0/62

- sign 0.000+/-0.000 χ^2/NDF: 18.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:863050.6/14

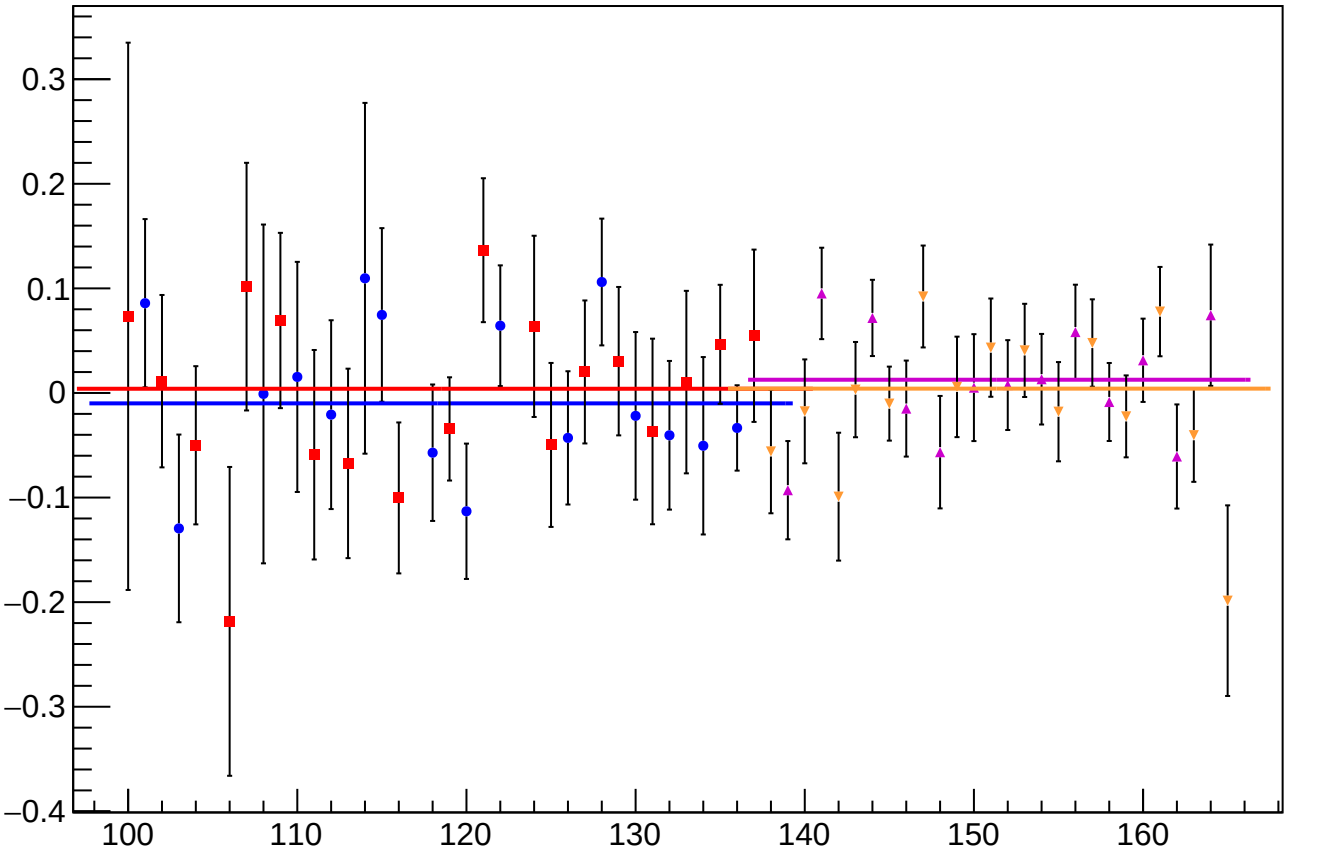
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1091492.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3876375.4/30

All: 0.000+/-0.000 χ^2/NDF: 8512767.1/62

- sign 0.000+/-0.000 χ^2/NDF: 4623545.2/31



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:19.6/14

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

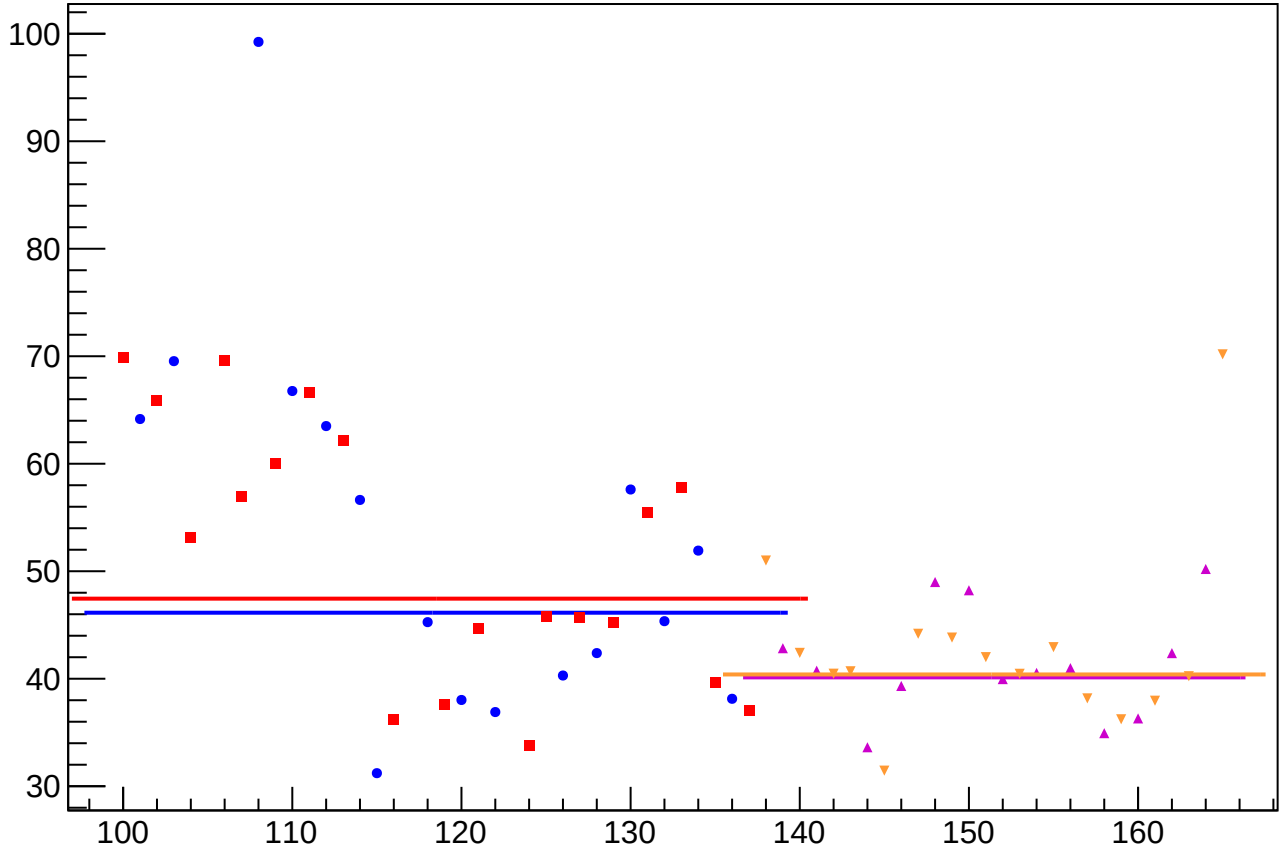
Left In: 0.013+/-0.012 χ^2/NDF:17.9/12

+ sign -0.000+/-0.010 χ^2/NDF: 34.2/30

All: 0.005+/-0.007 χ^2/NDF: 66.6/62

- sign 0.010+/-0.010 χ^2/NDF: 31.9/31

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: 40.398+/-0.009 χ^2/NDF:474367.5/14

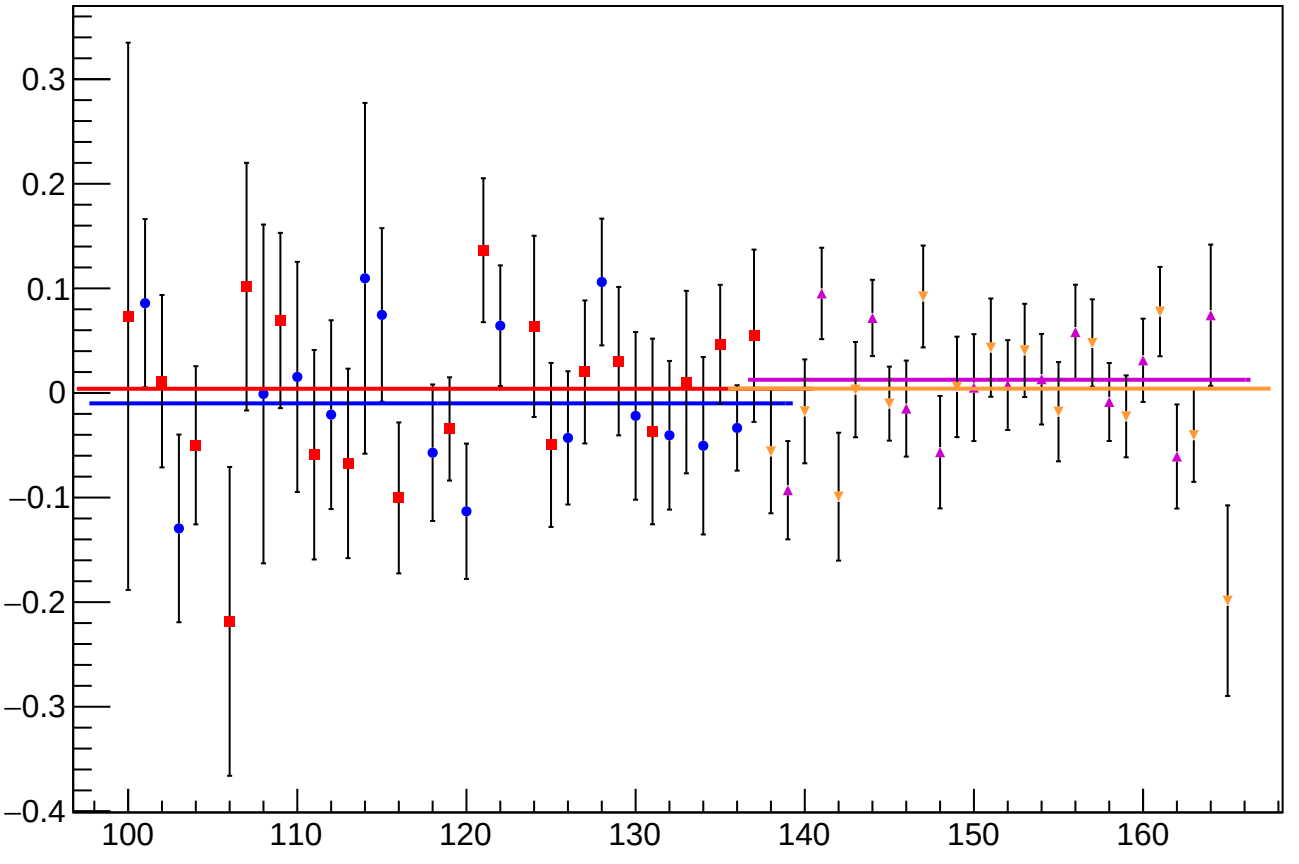
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.125+/-0.009 χ^2/NDF:282765.5/12

+ sign 42.175+/-0.007 χ^2/NDF: 1518372.3/30

All: 42.321+/-0.005 χ^2/NDF: 2679364.1/62

- sign 42.474+/-0.007 χ^2/NDF: 1160120.4/31



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:19.6/14

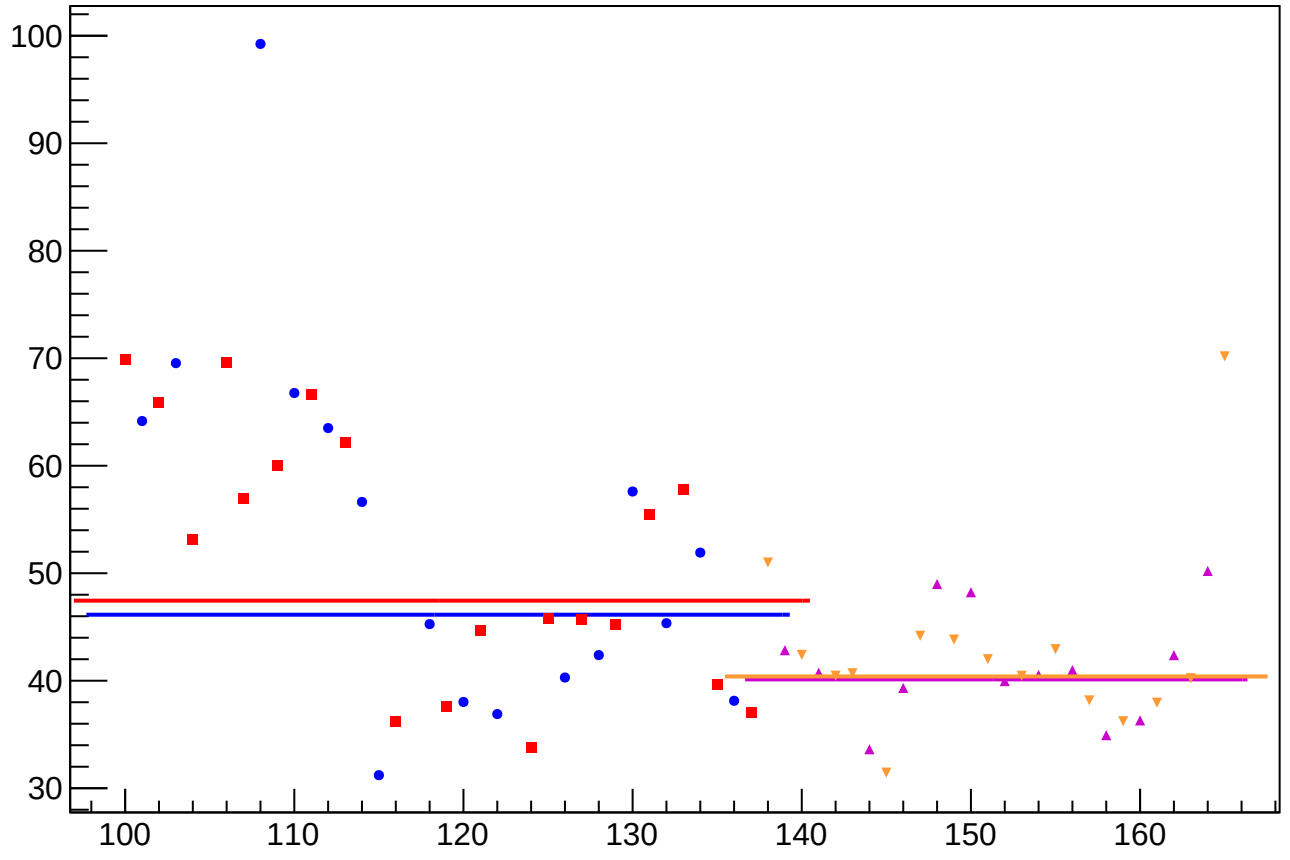
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.012 χ^2/NDF:17.9/12

+ sign -0.000+/-0.010 χ^2/NDF: 34.2/30

All: 0.005+/-0.007 χ^2/NDF: 66.6/62

- sign 0.010+/-0.010 χ^2/NDF: 31.9/31



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.398+/-0.009 χ^2/NDF:474367.5/14

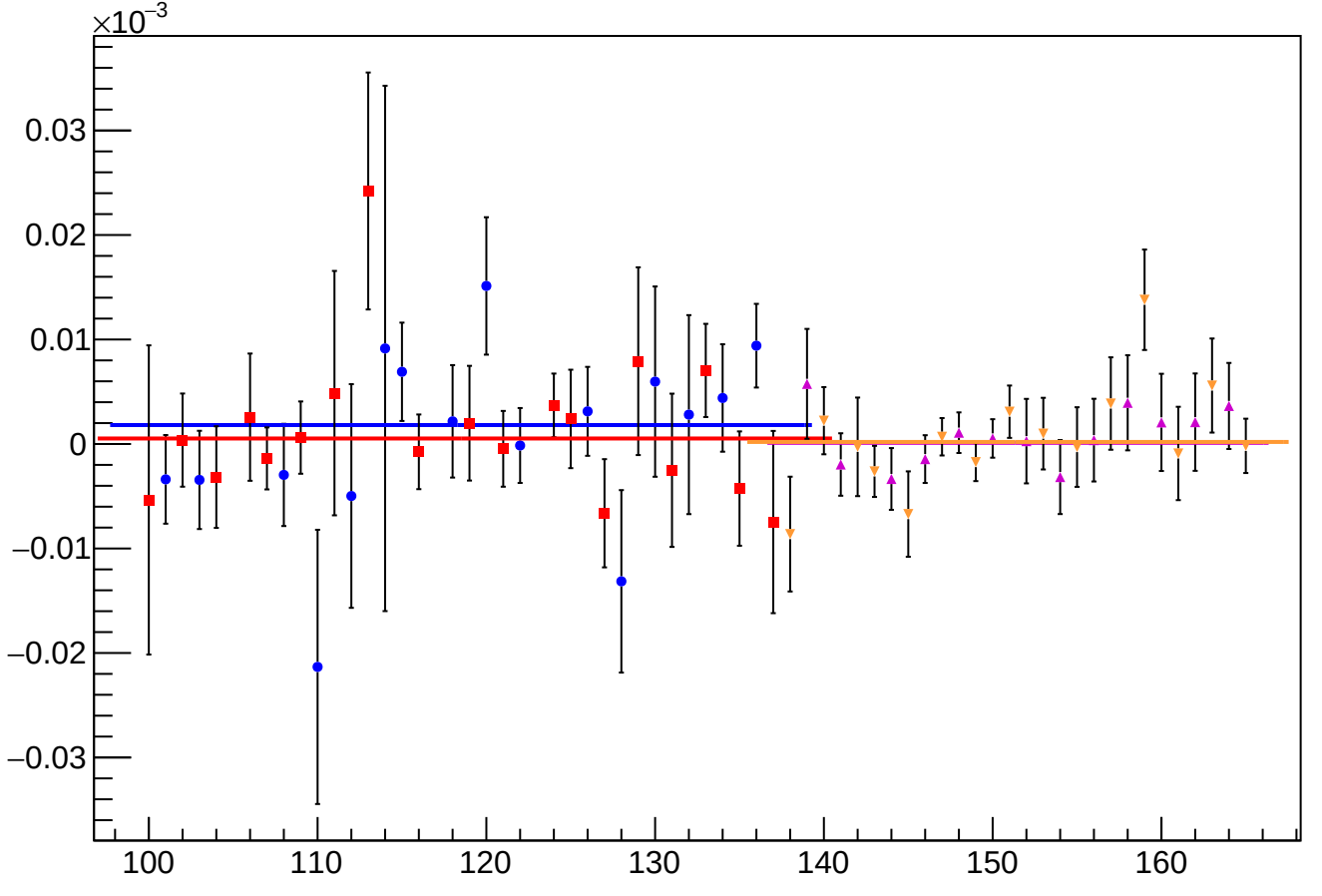
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.125+/-0.009 χ^2/NDF:282765.5/12

+ sign 42.175+/-0.007 χ^2/NDF: 1518372.3/30

All: 42.321+/-0.005 χ^2/NDF: 2679364.1/62

- sign 42.474+/-0.007 χ^2/NDF: 1160120.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.0/14

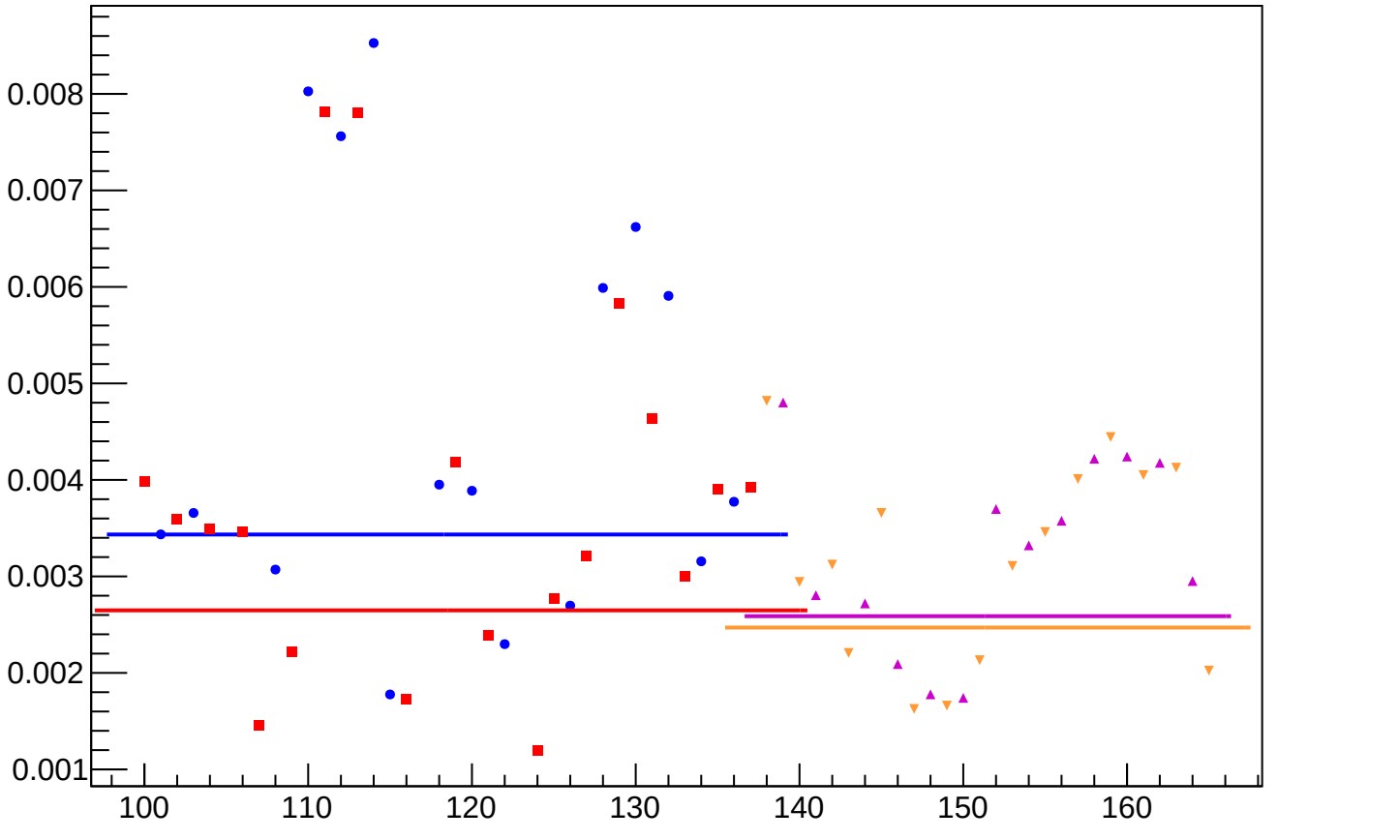
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/30

All: 0.000+/-0.000 χ^2/NDF: 61.4/62

- sign 0.000+/-0.000 χ^2/NDF: 20.3/31



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2880914.8/14

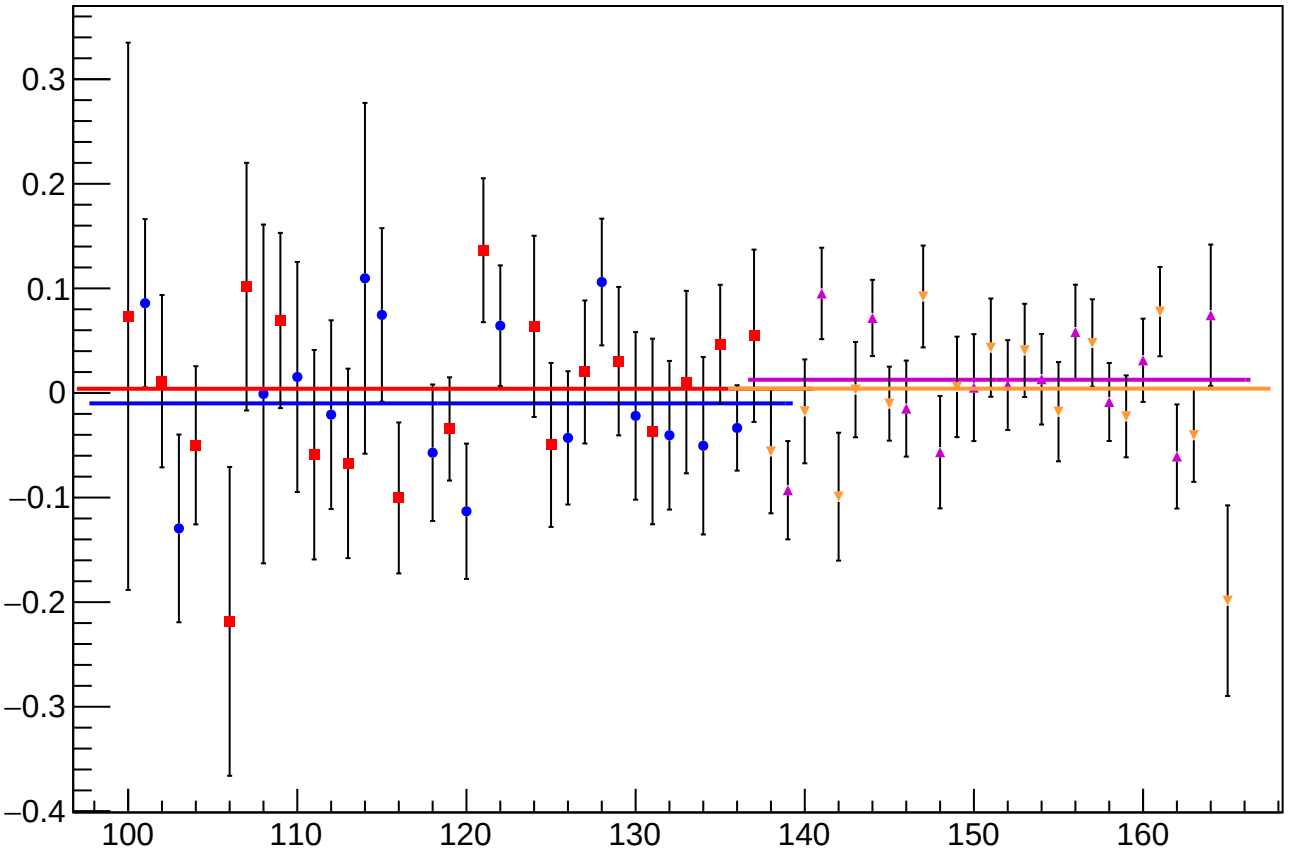
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2353283.5/12

+ sign 0.003+/-0.000 χ^2/NDF: 5379317.8/30

All: 0.003+/-0.000 χ^2/NDF: 10452197.6/62

- sign 0.003+/-0.000 χ^2/NDF: 5053983.2/31



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:19.6/14

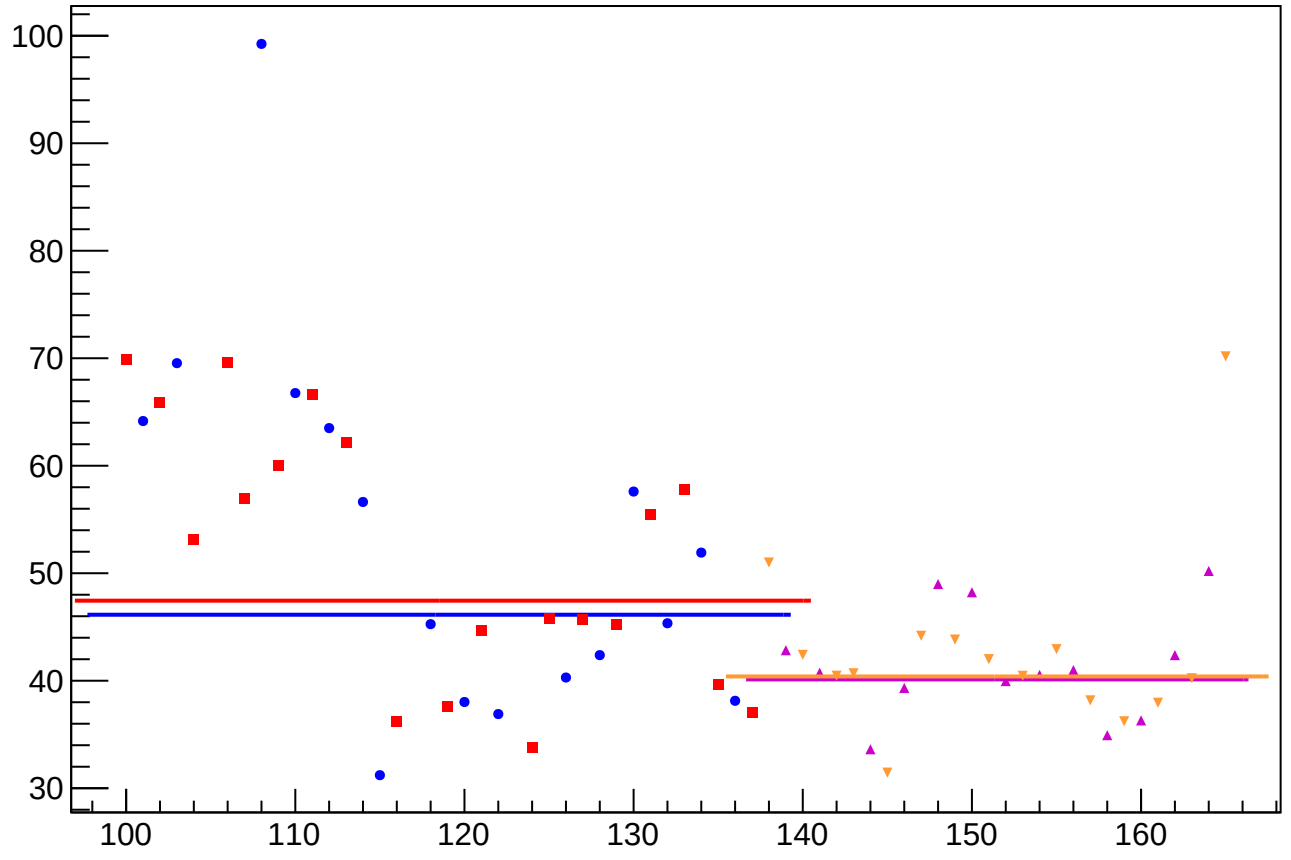
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.012 χ^2/NDF:17.9/12

+ sign -0.000+/-0.010 χ^2/NDF: 34.2/30

All: 0.005+/-0.007 χ^2/NDF: 66.6/62

- sign 0.010+/-0.010 χ^2/NDF: 31.9/31



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.398+/-0.009 χ^2/NDF:474381.4/14

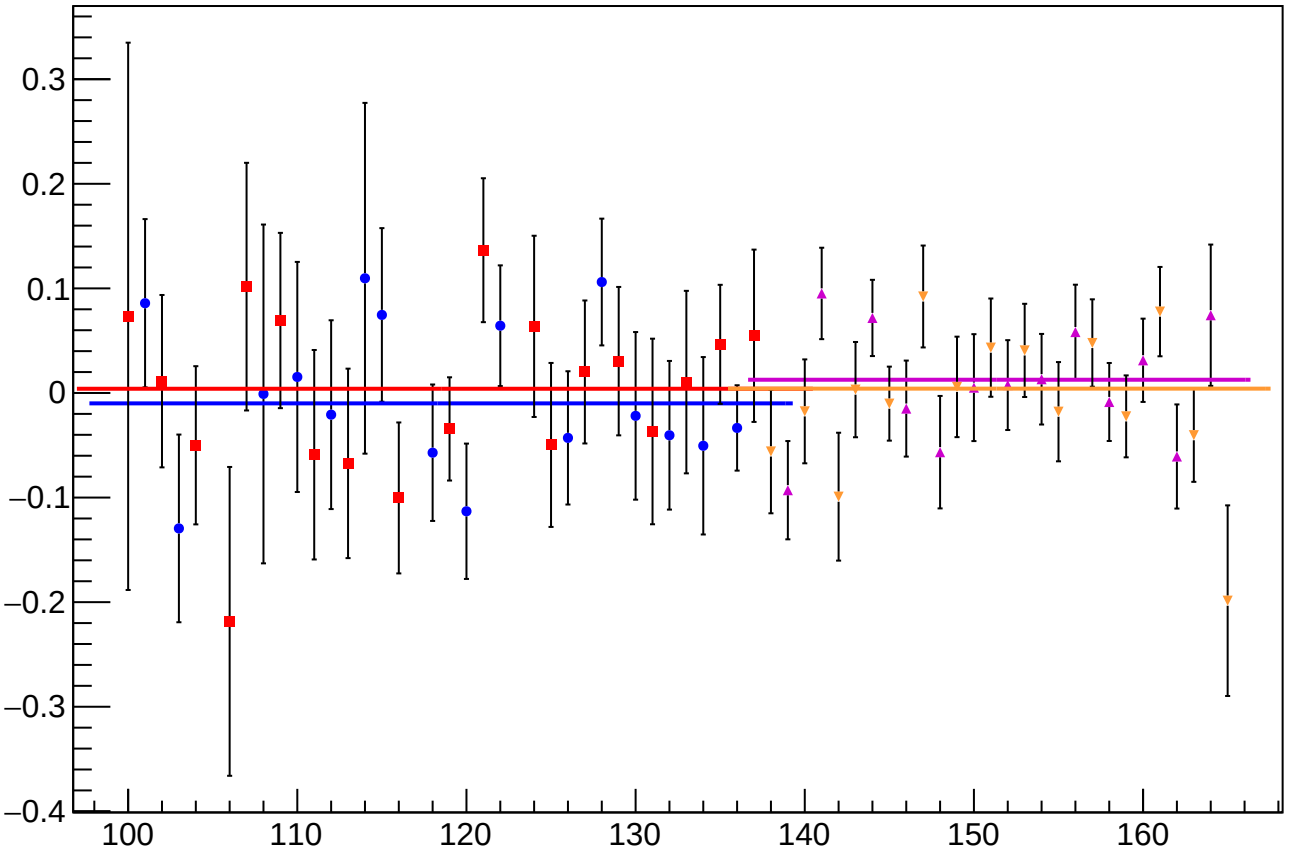
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.124+/-0.009 χ^2/NDF:282811.8/12

+ sign 42.175+/-0.007 χ^2/NDF: 1518275.5/30

All: 42.321+/-0.005 χ^2/NDF: 2679248.6/62

- sign 42.474+/-0.007 χ^2/NDF: 1160102.6/31



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.012 χ^2/NDF:19.6/14

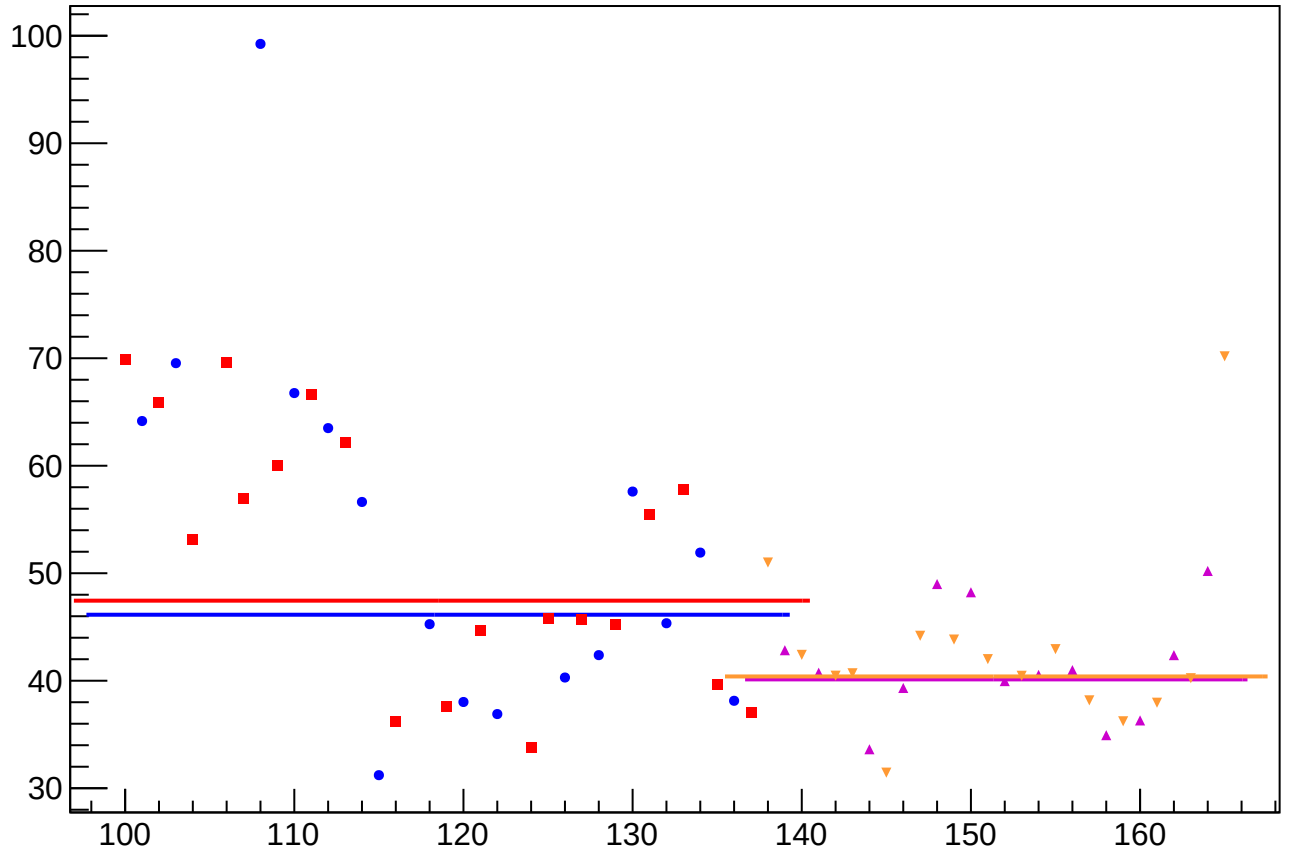
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.013+/-0.012 χ^2/NDF:17.9/12

+ sign -0.000+/-0.010 χ^2/NDF: 34.2/30

All: 0.005+/-0.007 χ^2/NDF: 66.6/62

- sign 0.010+/-0.010 χ^2/NDF: 31.9/31



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.398+/-0.009 χ^2/NDF:474381.4/14

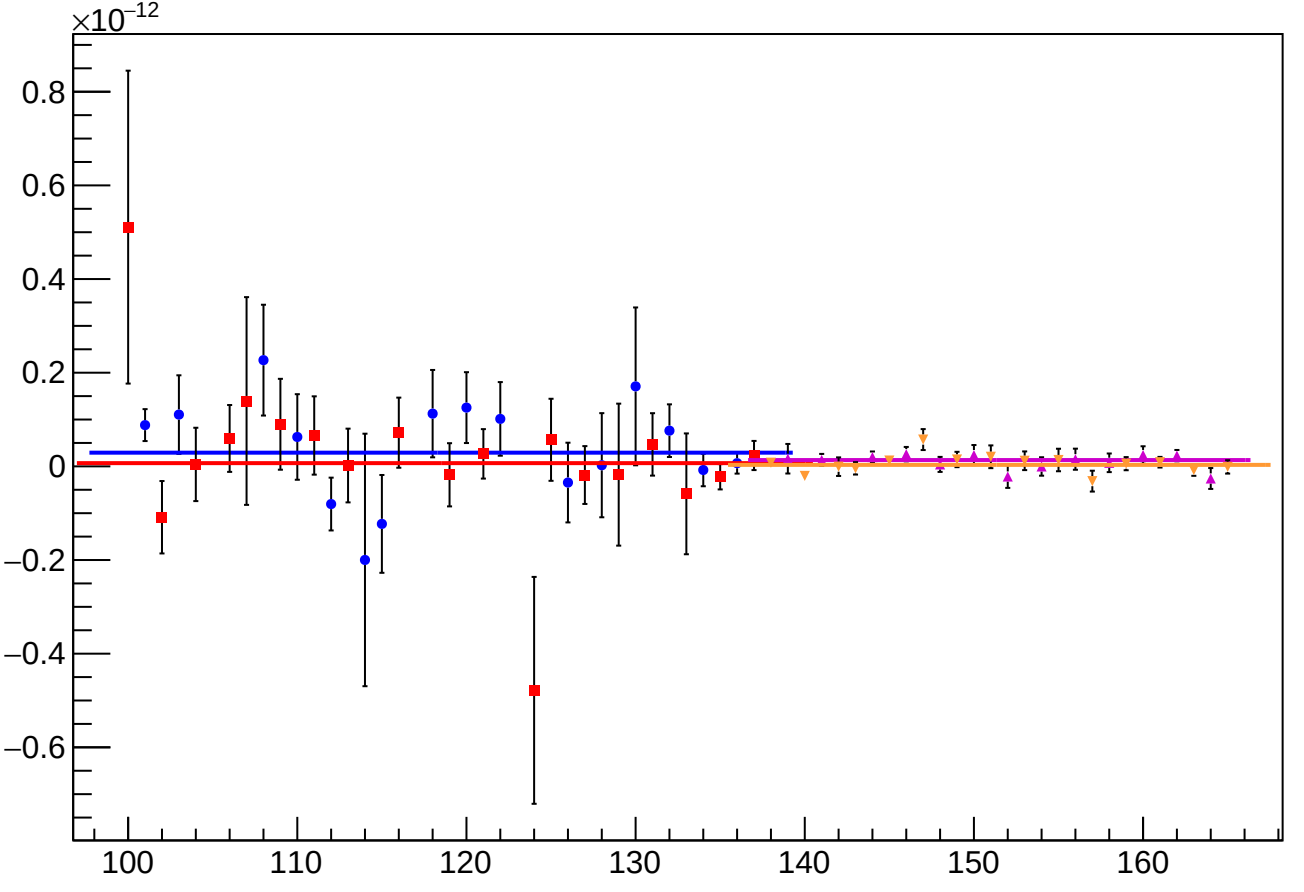
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.124+/-0.009 χ^2/NDF:282811.8/12

+ sign 42.175+/-0.007 χ^2/NDF: 1518275.5/30

All: 42.321+/-0.005 χ^2/NDF: 2679248.6/62

- sign 42.474+/-0.007 χ^2/NDF: 1160102.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/14

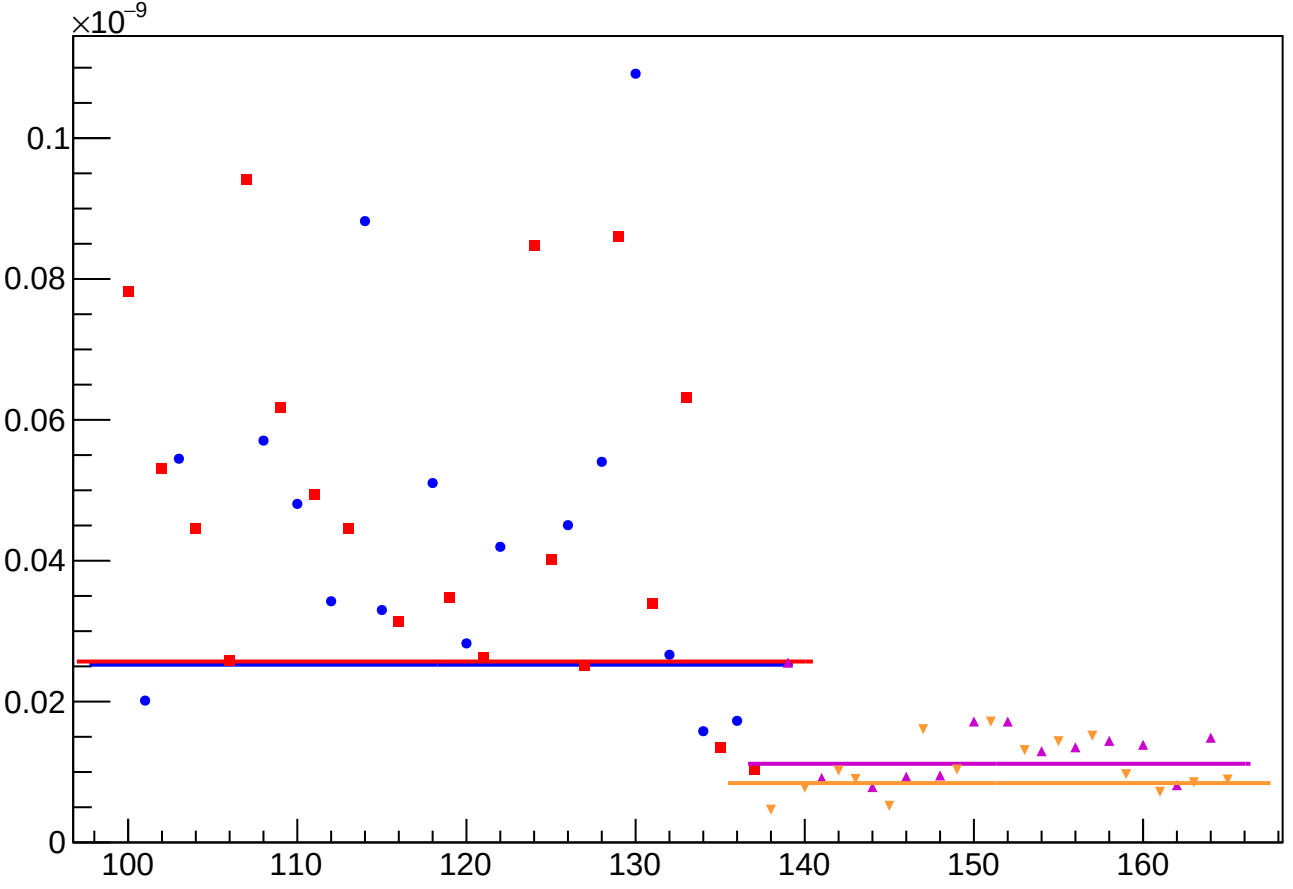
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/30

All: 0.000+/-0.000 χ^2/NDF: 66.3/62

- sign 0.000+/-0.000 χ^2/NDF: 22.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1530939.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

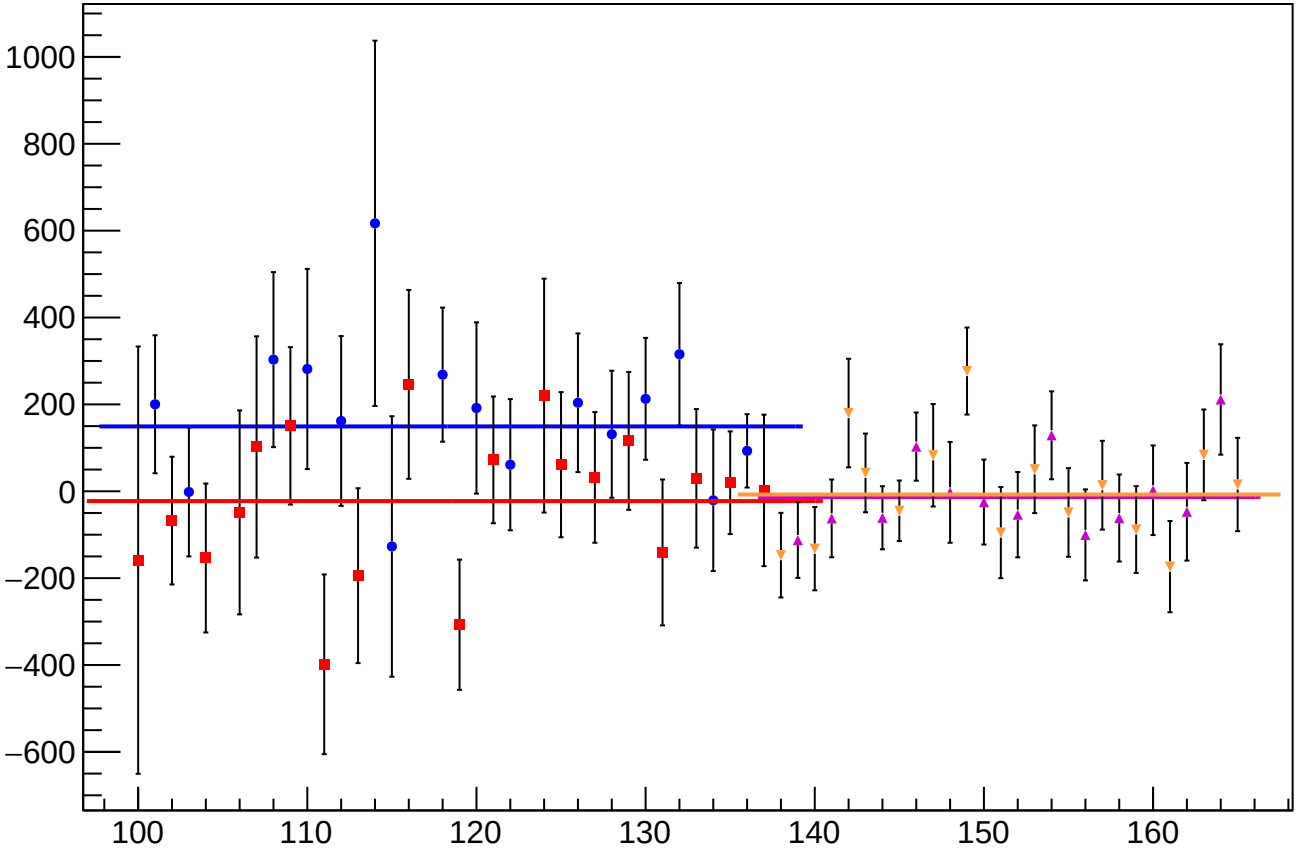
Left In: 0.000+/-0.000 χ^2/NDF:1259511.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 6535184.1/30

All: 0.000+/-0.000 χ^2/NDF: 13005564.5/62

- sign 0.000+/-0.000 χ^2/NDF: 5898936.2/31

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -7.487+/-25.595 χ^2/NDF:20.4/14

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

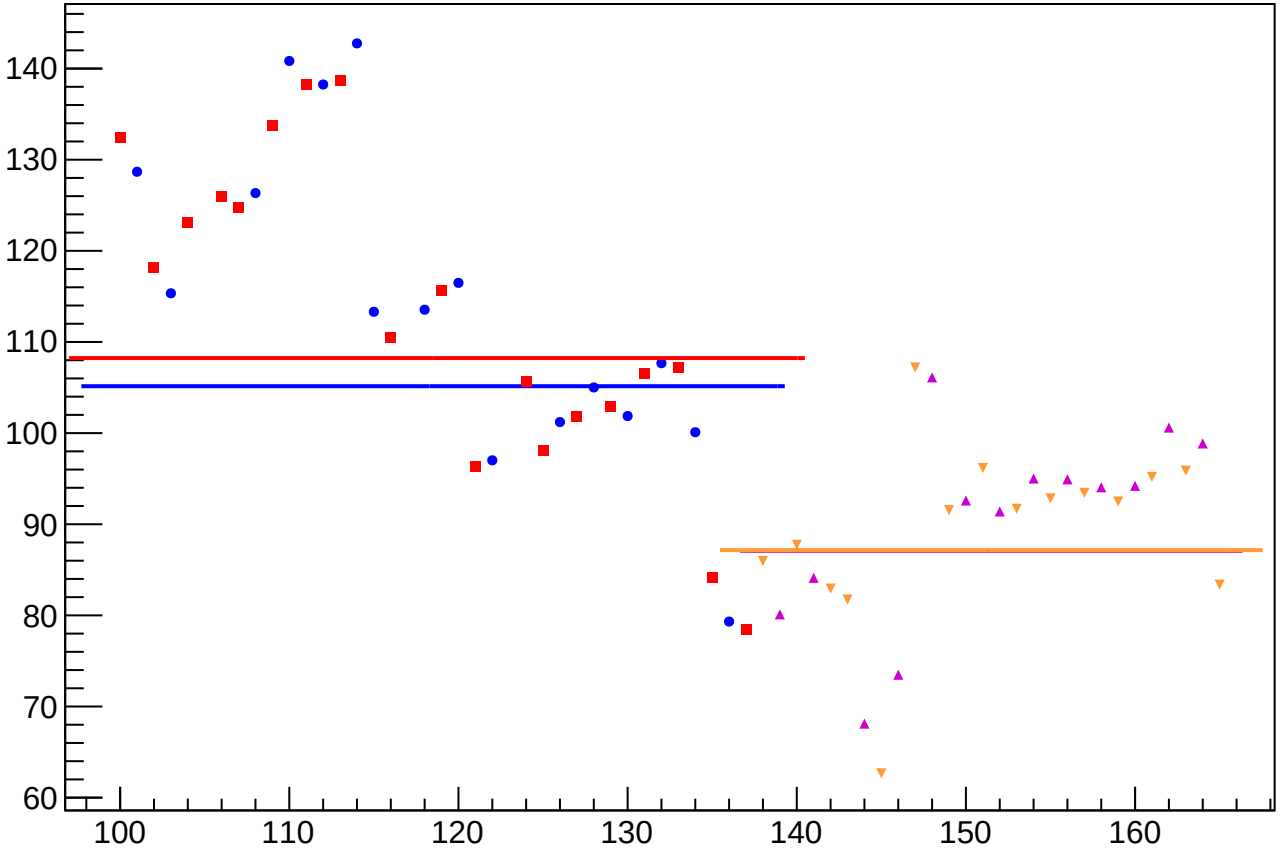
Left In: -13.416+/-26.592 χ^2/NDF:10.5/12

+ sign 38.568+/-21.509 χ^2/NDF: 39.5/30

All: 12.000+/-15.435 χ^2/NDF: 67.4/62

- sign -16.206+/-22.162 χ^2/NDF: 24.8/31

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 87.156+/-0.018 χ^2/NDF:384298.7/14

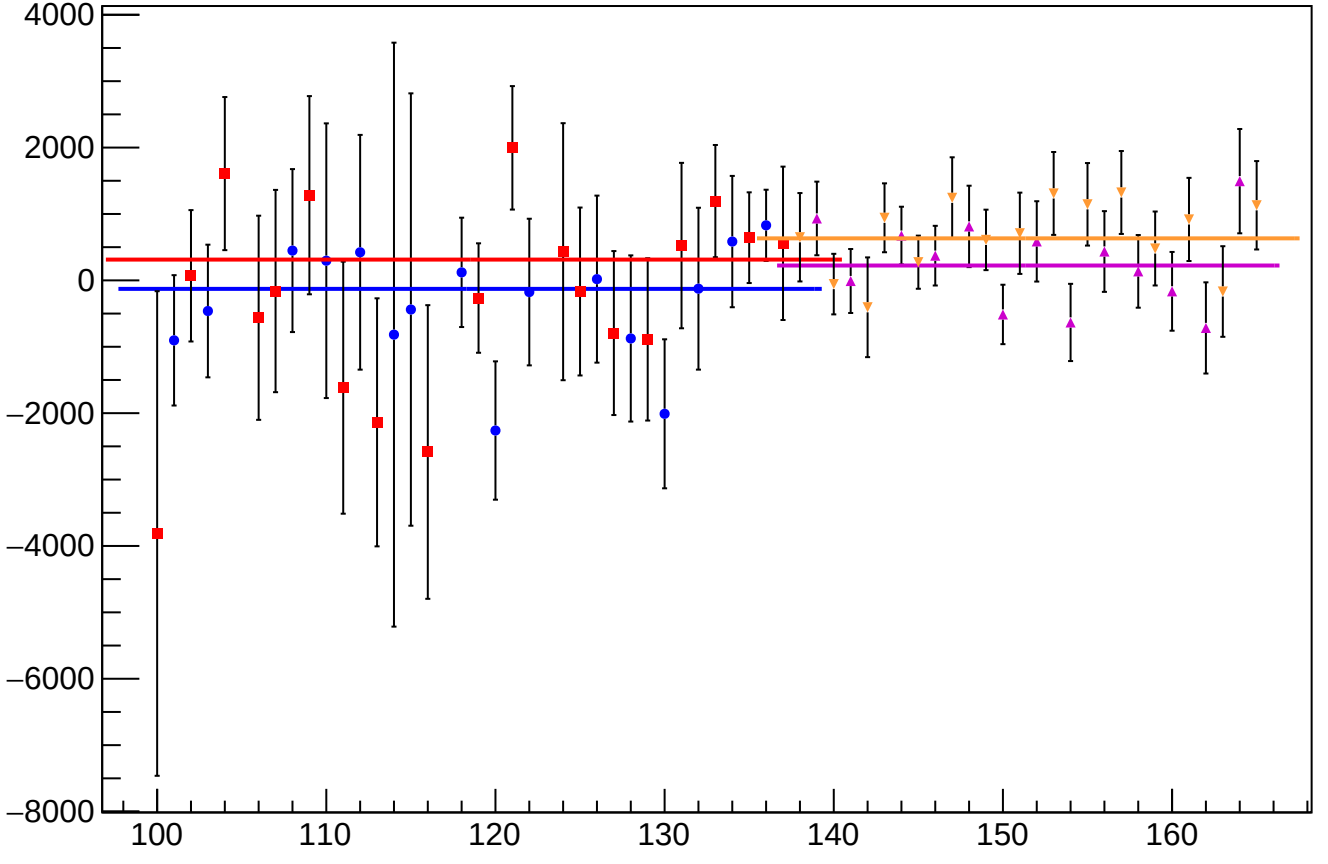
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

+ sign 92.441+/-0.015 χ^2/NDF: 1082951.9/30

All: 92.975+/-0.011 χ^2/NDF: 2186132.7/62

- sign 93.542+/-0.016 χ^2/NDF: 1100636.0/31



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 632.747+/-146.061 χ^2/NDF:11.7/14

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

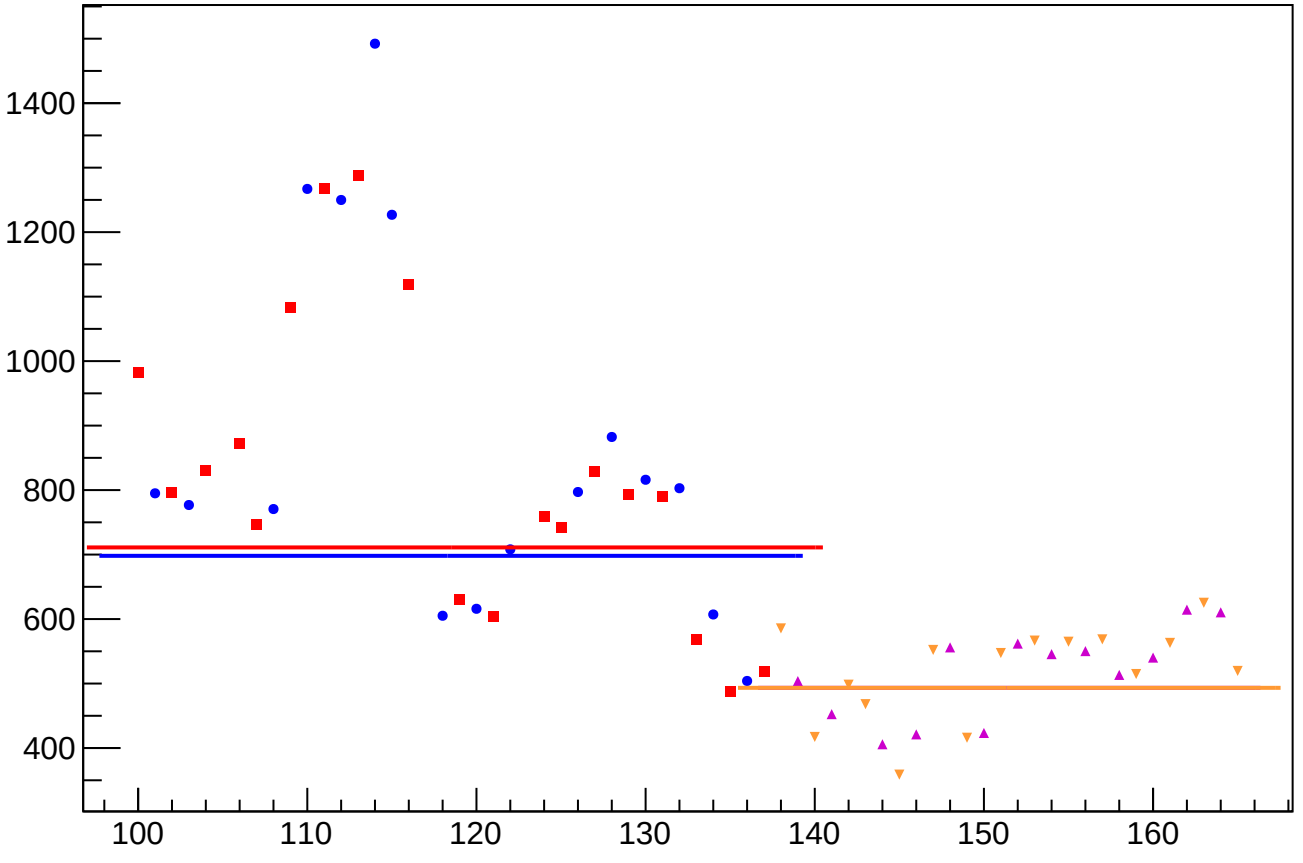
Left In: 223.766+/-151.147 χ^2/NDF:14.3/12

+ sign 459.129+/-128.318 χ^2/NDF: 30.2/30

All: 355.038+/-91.976 χ^2/NDF: 60.9/62

- sign 245.049+/-131.903 χ^2/NDF: 29.4/31

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 493.346+/-0.103 χ^2/NDF:605656.4/14

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

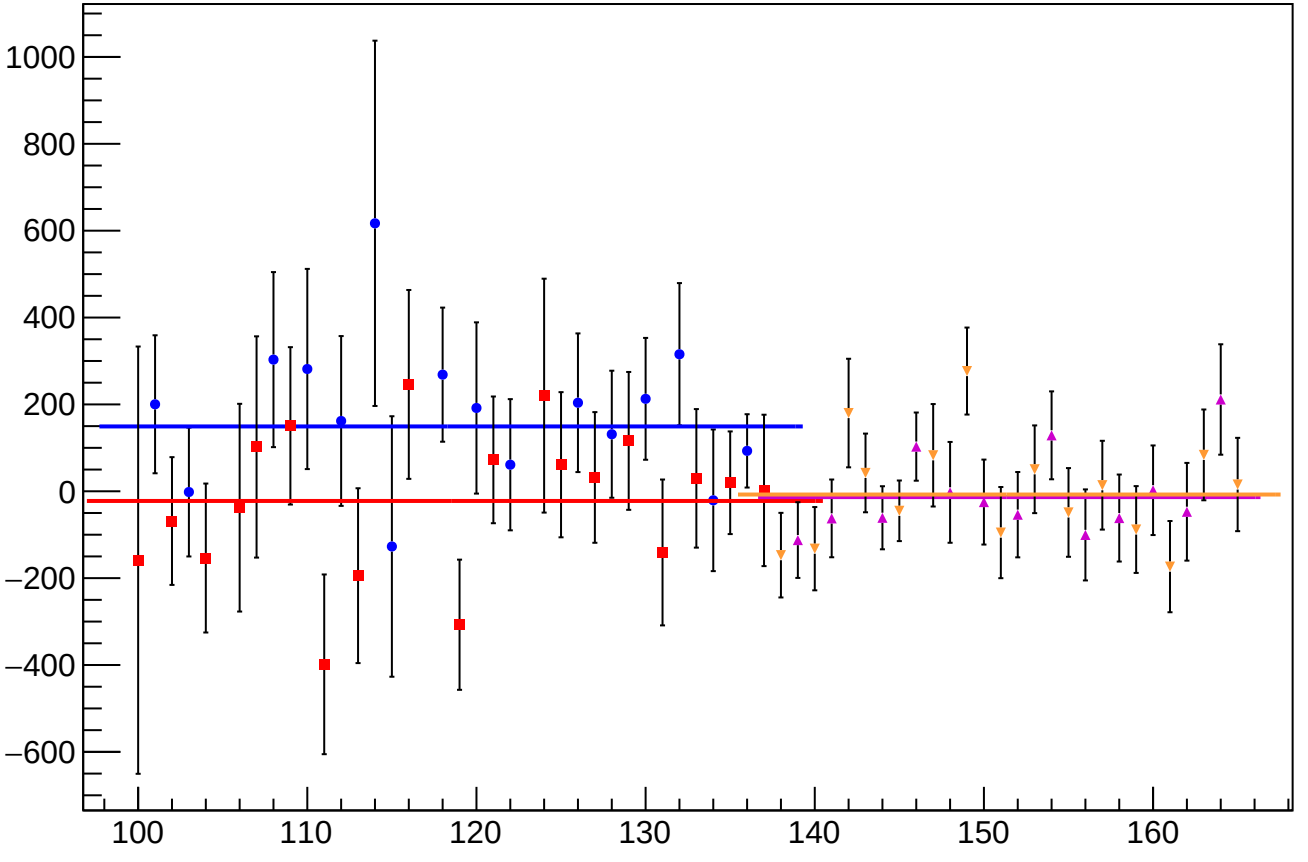
Left In: 493.343+/-0.107 χ^2/NDF:398769.8/12

+ sign 540.061+/-0.091 χ^2/NDF: 2415021.1/30

All: 542.589+/-0.065 χ^2/NDF: 4840169.0/62

- sign 545.260+/-0.093 χ^2/NDF: 2423551.9/31

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -7.489+/-25.595 χ^2/NDF:20.4/14

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

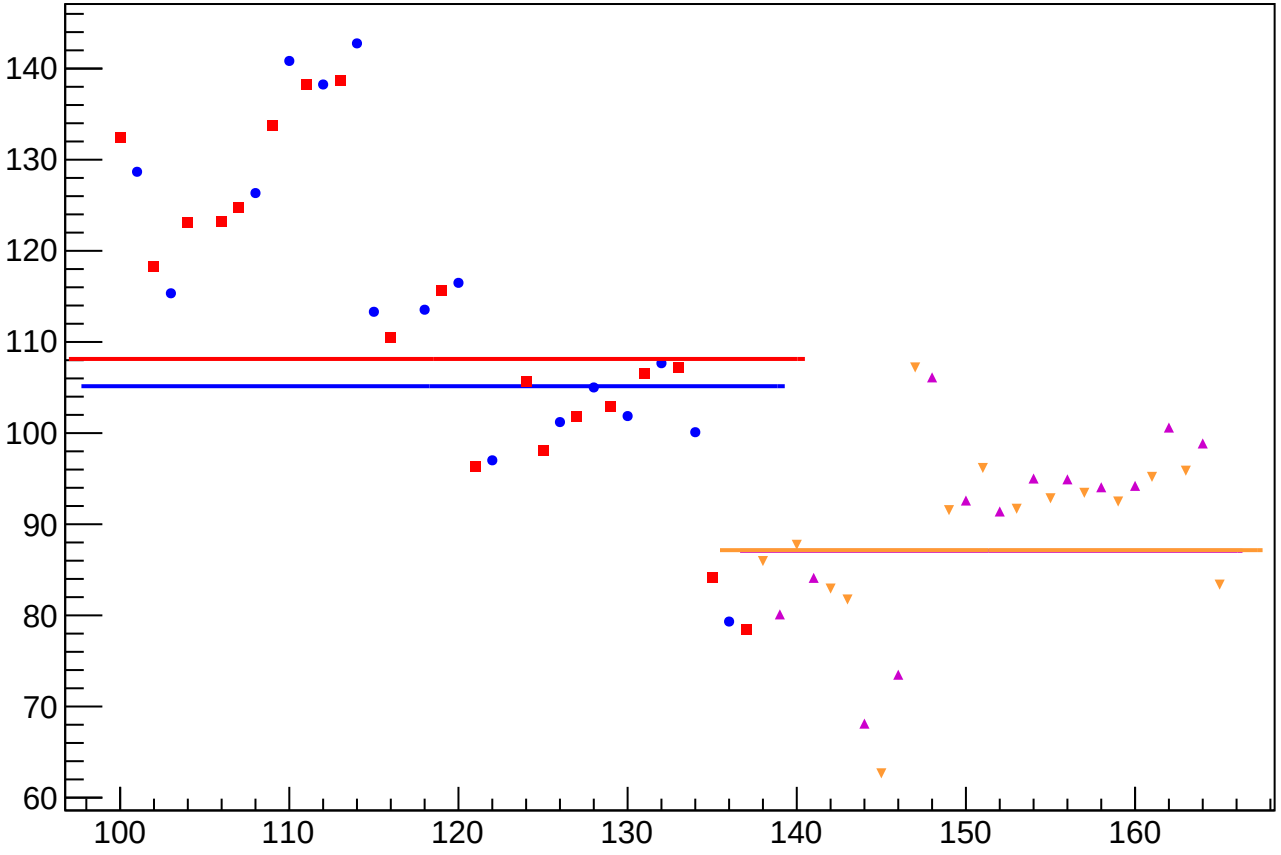
Left In: -13.416+/-26.592 χ^2/NDF:10.5/12

+ sign 38.564+/-21.509 χ^2/NDF: 39.5/30

All: 12.040+/-15.436 χ^2/NDF: 67.4/62

- sign -16.126+/-22.166 χ^2/NDF: 24.8/31

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.156+/-0.018 χ^2/NDF:384298.7/14

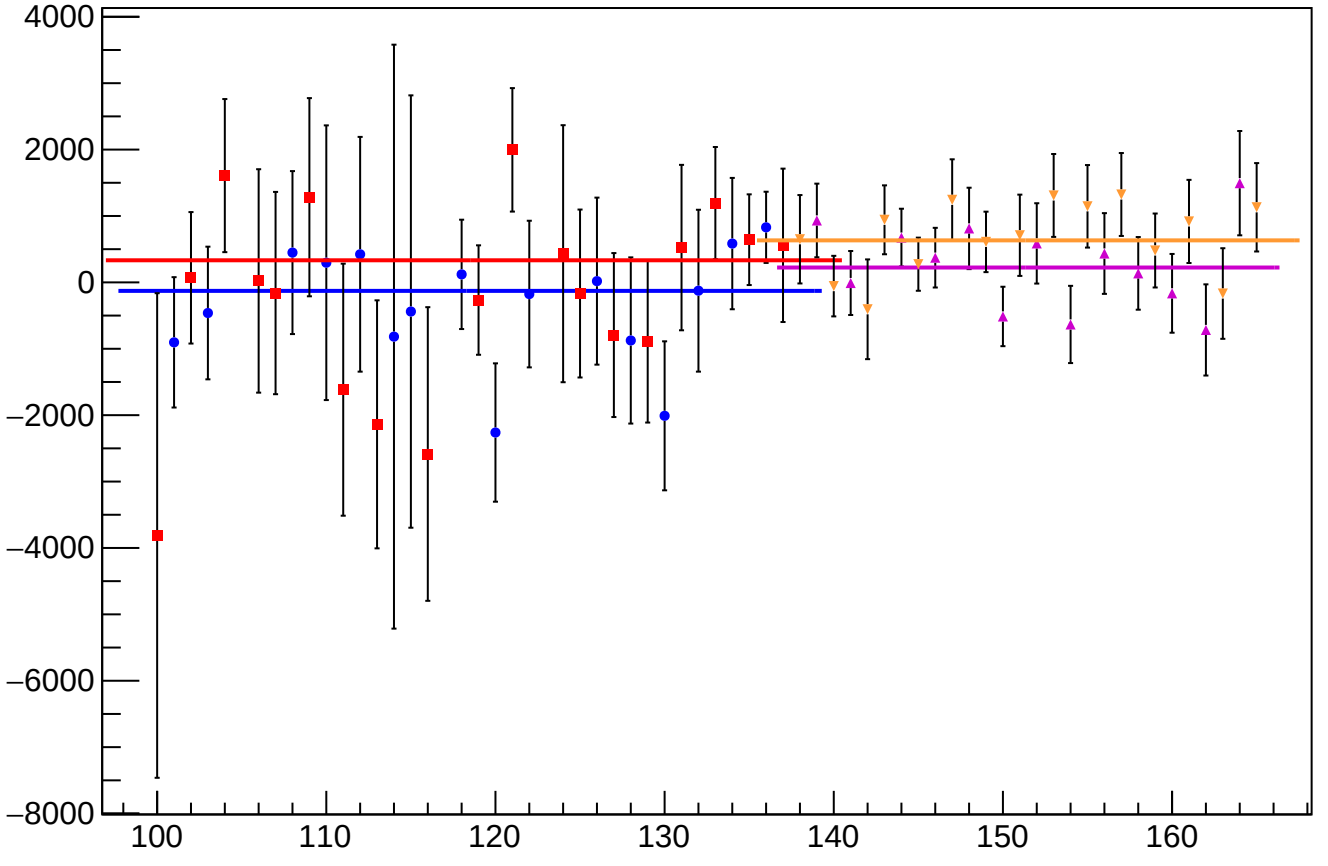
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

+ sign 92.441+/-0.015 χ^2/NDF: 1082952.2/30

All: 92.958+/-0.011 χ^2/NDF: 2178555.0/62

- sign 93.508+/-0.016 χ^2/NDF: 1093214.7/31



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 632.747+/-146.061 χ^2/NDF:11.7/14

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

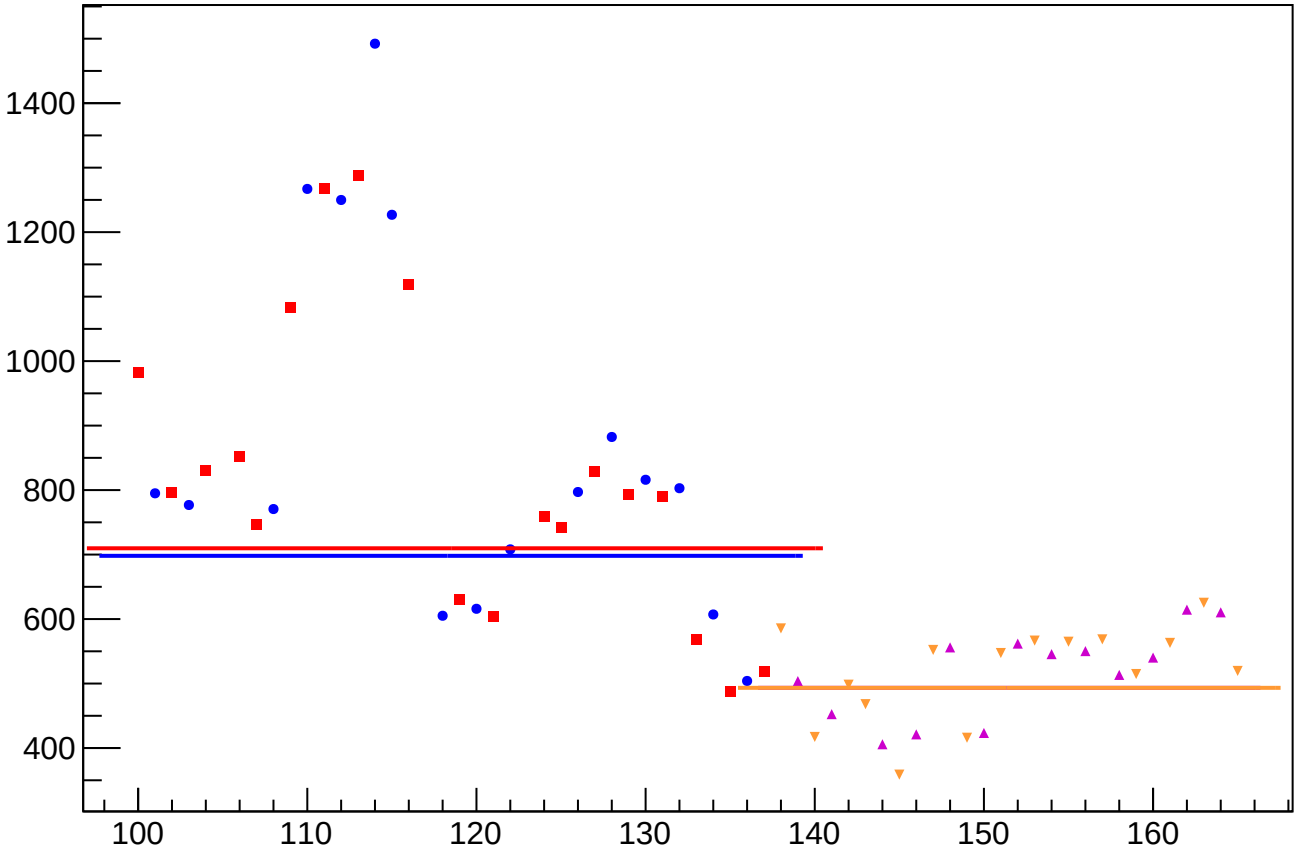
Left In: 223.764+/-151.147 χ^2/NDF:14.3/12

+ sign 459.130+/-128.318 χ^2/NDF: 30.2/30

All: 357.329+/-92.003 χ^2/NDF: 60.6/62

- sign 249.627+/-131.985 χ^2/NDF: 29.1/31

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 493.346+/-0.103 χ^2/NDF:605656.6/14

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

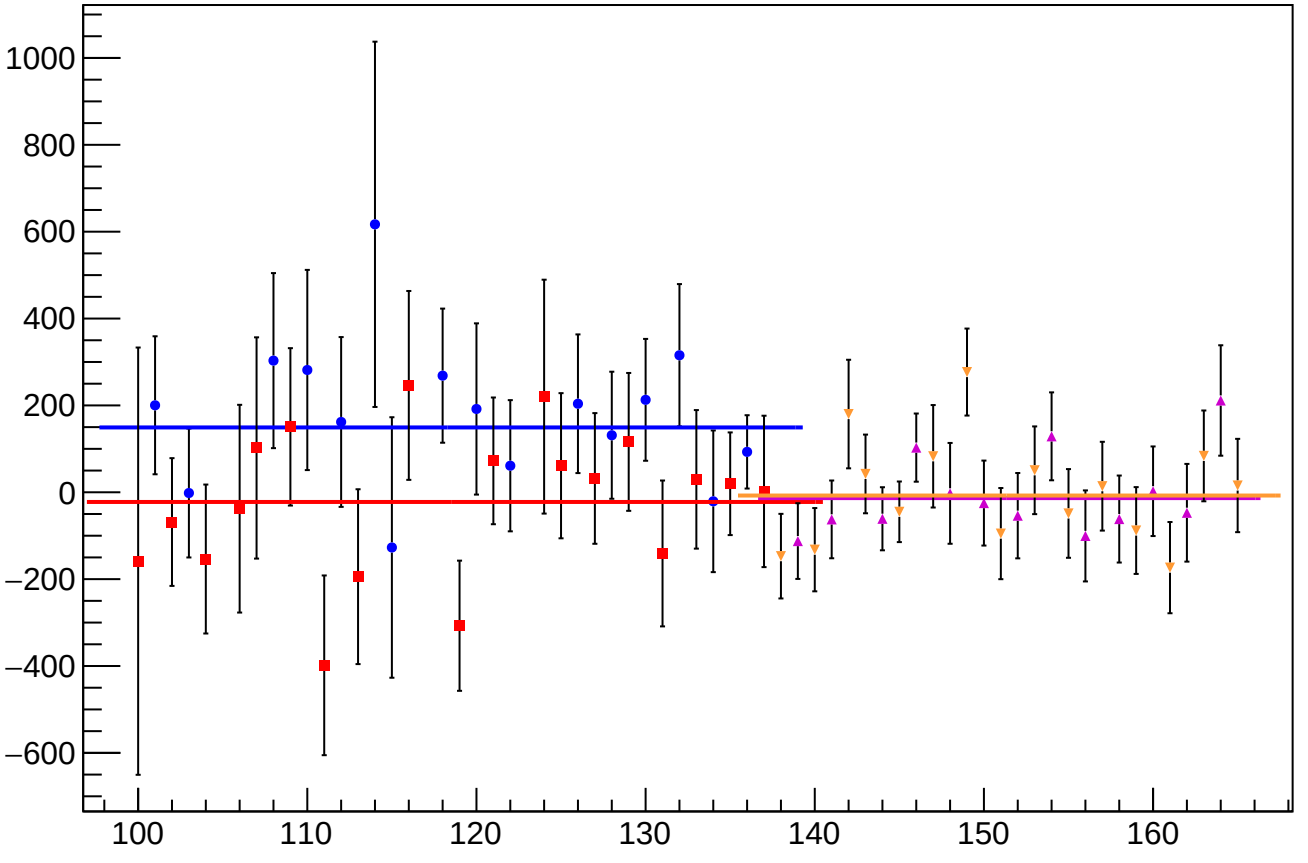
Left In: 493.343+/-0.107 χ^2/NDF:398769.9/12

+ sign 540.061+/-0.091 χ^2/NDF: 2415033.6/30

All: 542.333+/-0.065 χ^2/NDF: 4815860.4/62

- sign 544.736+/-0.093 χ^2/NDF: 2399537.1/31

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -7.489+/-25.595 χ^2/NDF:20.4/14

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

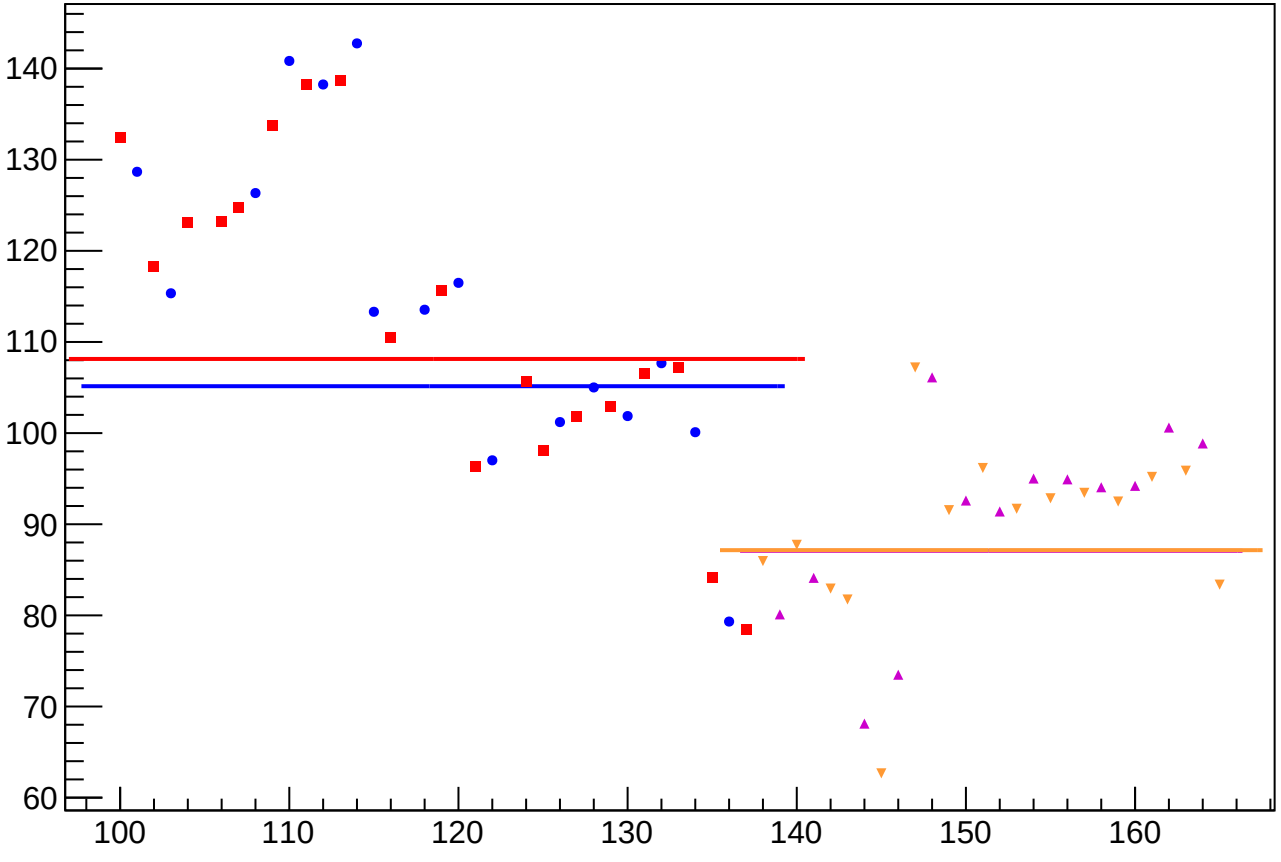
Left In: -13.416+/-26.592 χ^2/NDF:10.5/12

+ sign 38.564+/-21.509 χ^2/NDF: 39.5/30

All: 12.040+/-15.436 χ^2/NDF: 67.4/62

- sign -16.126+/-22.166 χ^2/NDF: 24.8/31

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.156+/-0.018 χ^2/NDF:384298.7/14

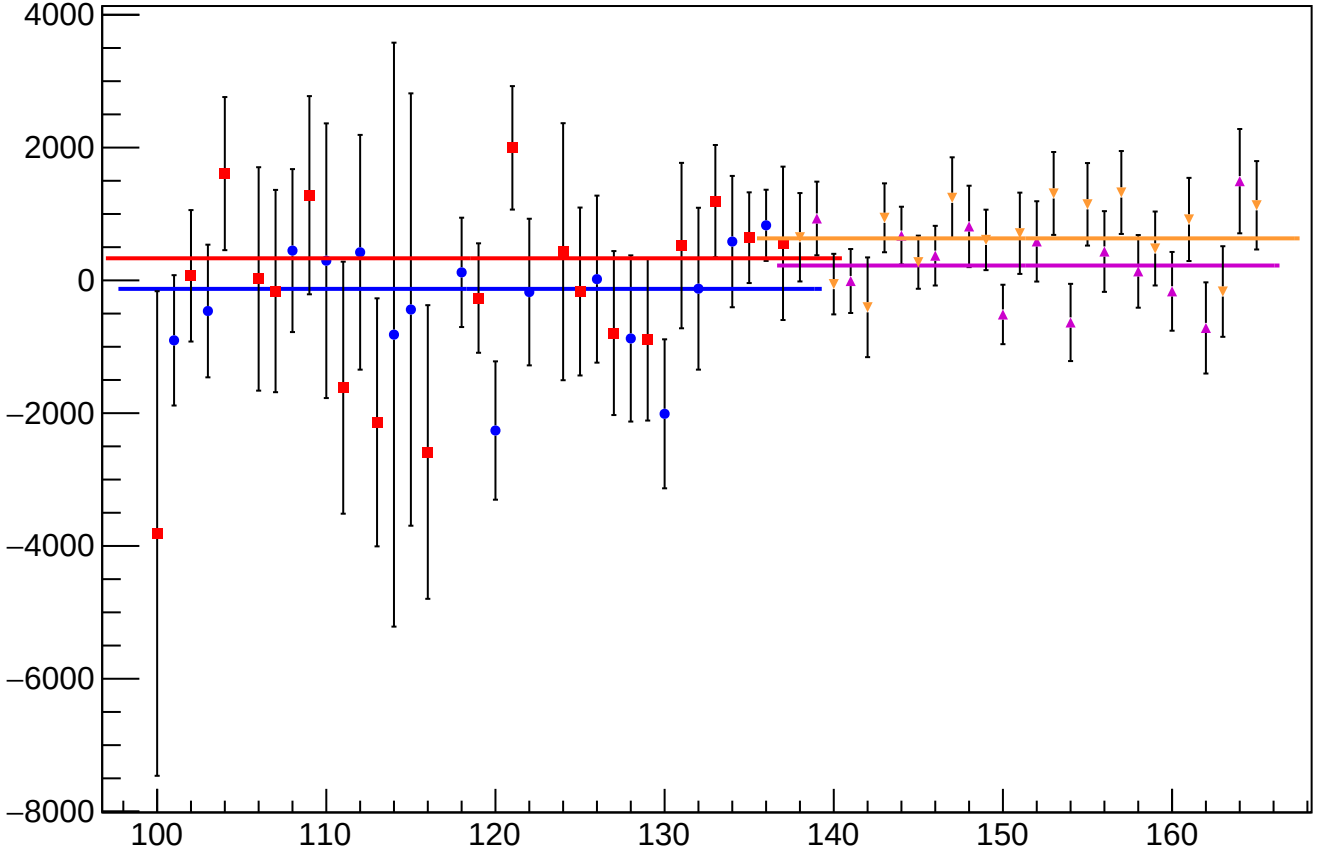
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

\+ sign 92.441+/-0.015 χ^2/NDF: 1082952.2/30

All: 92.958+/-0.011 χ^2/NDF: 2178555.0/62

\- sign 93.508+/-0.016 χ^2/NDF: 1093214.7/31



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 632.747+/-146.061 χ^2/NDF:11.7/14

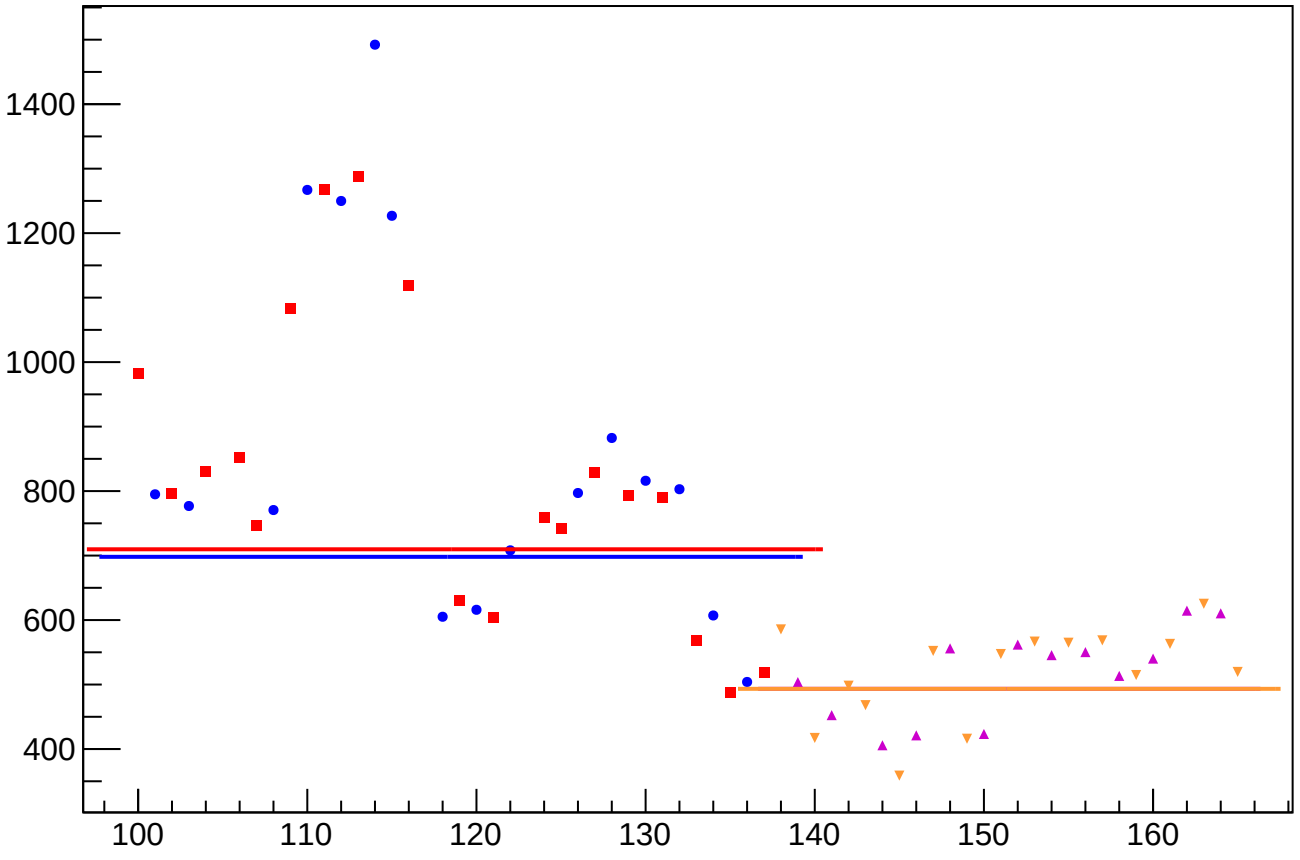
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 223.764+/-151.147 χ^2/NDF:14.3/12

+ sign 459.130+/-128.318 χ^2/NDF: 30.2/30

All: 357.329+/-92.003 χ^2/NDF: 60.6/62

- sign 249.627+/-131.985 χ^2/NDF: 29.1/31



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 493.346+/-0.103 χ^2/NDF:605656.6/14

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

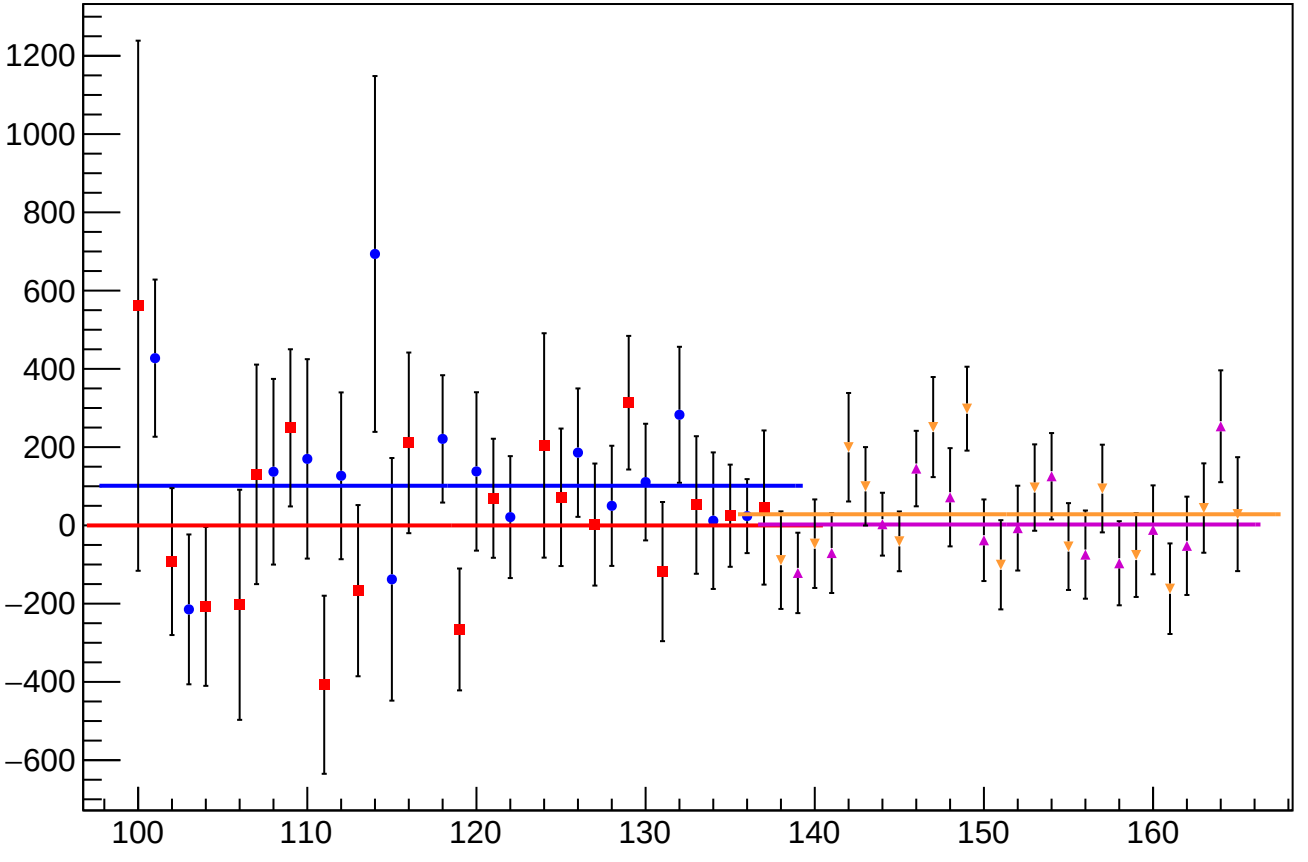
Left In: 493.343+/-0.107 χ^2/NDF:398769.9/12

+ sign 540.061+/-0.091 χ^2/NDF: 2415033.6/30

All: 542.333+/-0.065 χ^2/NDF: 4815860.4/62

- sign 544.736+/-0.093 χ^2/NDF: 2399537.1/31

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.434+/-28.641 χ^2/NDF:19.8/14

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

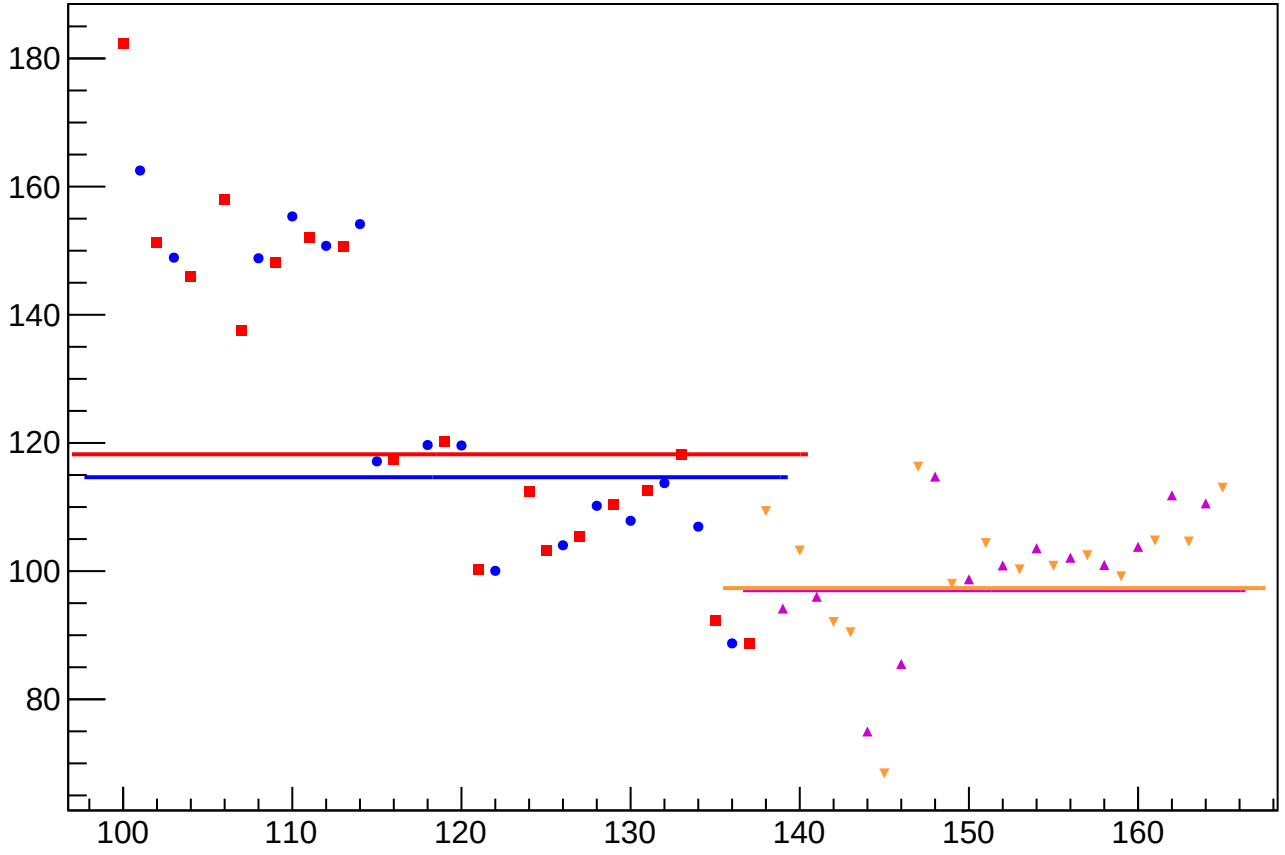
Left In: 2.277+/-29.738 χ^2/NDF:10.5/12

+ sign 50.457+/-23.923 χ^2/NDF: 32.7/30

All: 26.717+/-17.165 χ^2/NDF: 61.9/62

- sign 1.525+/-24.644 χ^2/NDF: 27.1/31

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 97.350+/-0.020 χ^2/NDF:422082.6/14

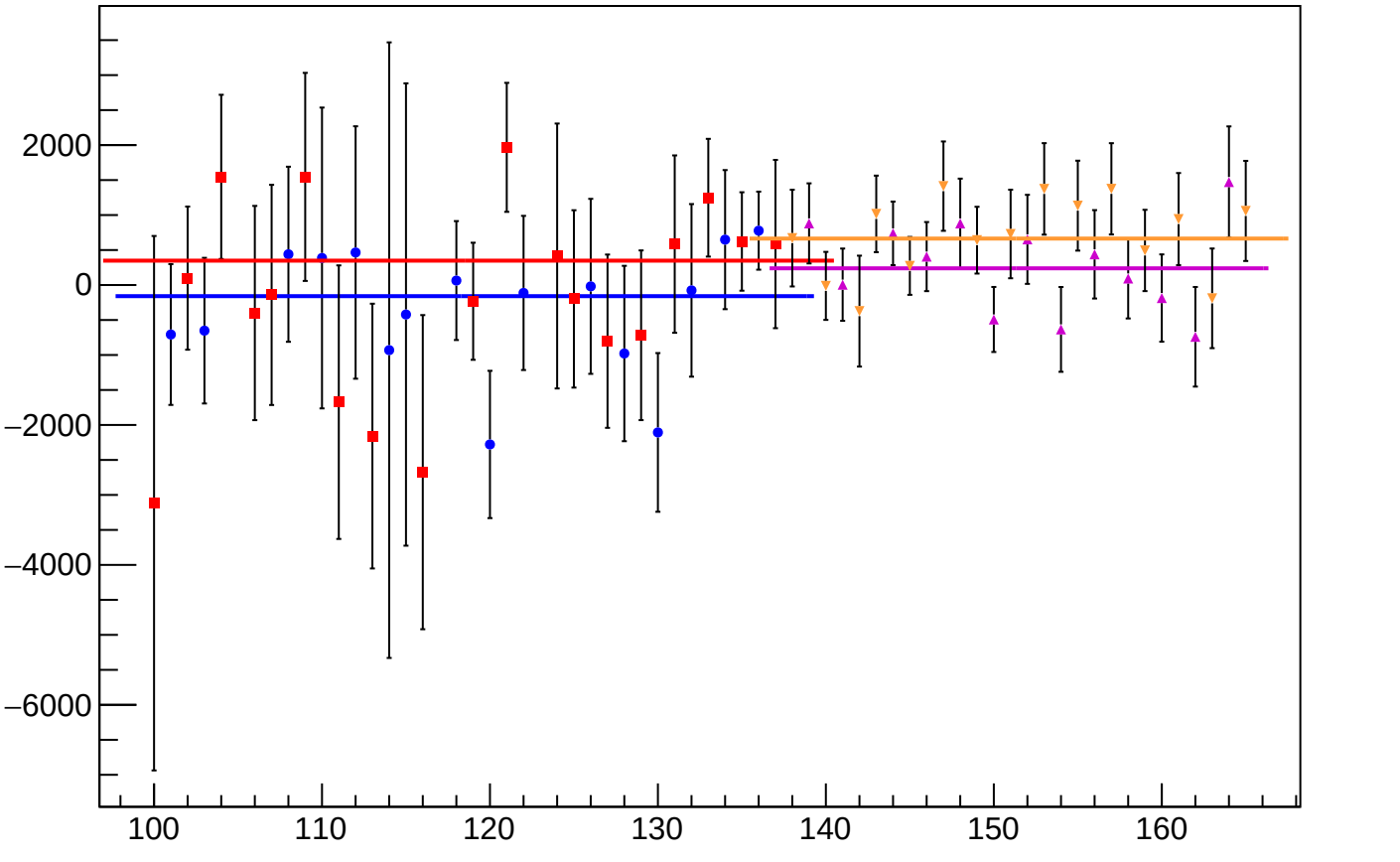
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 97.020+/-0.021 χ^2/NDF:290393.1/12

+ sign 102.582+/-0.017 χ^2/NDF: 1174773.0/30

All: 103.106+/-0.012 χ^2/NDF: 2269244.2/62

- sign 103.663+/-0.017 χ^2/NDF: 1092487.1/31



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 663.946+/-152.938 χ^2/NDF:11.3/14

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

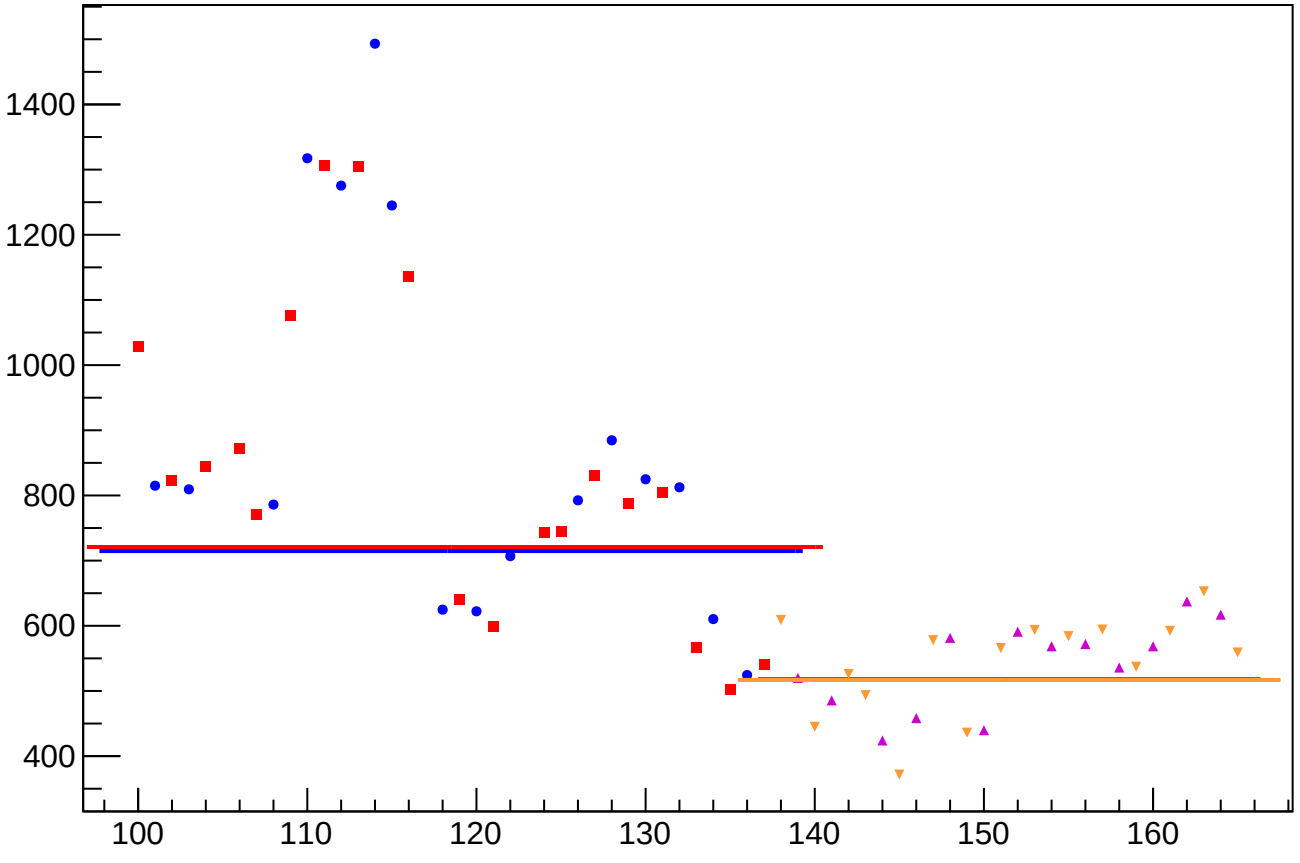
Left In: 238.792+/-158.691 χ^2/NDF:13.7/12

+ sign 469.038+/-133.608 χ^2/NDF: 30.1/30

All: 370.467+/-95.744 χ^2/NDF: 59.3/62

- sign 266.416+/-137.271 χ^2/NDF: 28.1/31

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 516.912+/-0.108 χ^2/NDF:603154.3/14

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

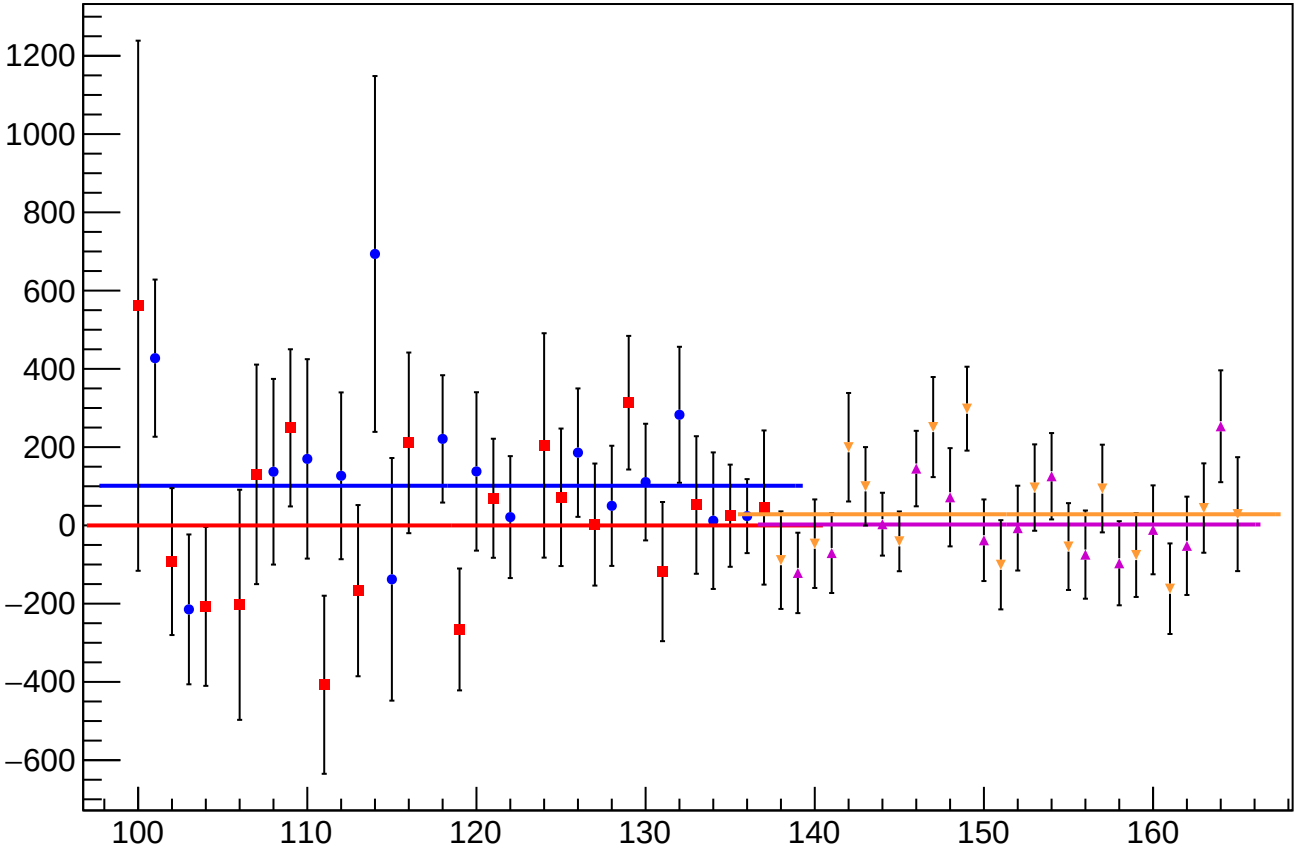
Left In: 518.209+/-0.112 χ^2/NDF:356155.8/12

+ sign 563.742+/-0.094 χ^2/NDF: 2271229.9/30

All: 566.412+/-0.068 χ^2/NDF: 4468704.3/62

- sign 569.230+/-0.097 χ^2/NDF: 2195833.2/31

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.433+/-28.641 χ^2/NDF:19.8/14

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

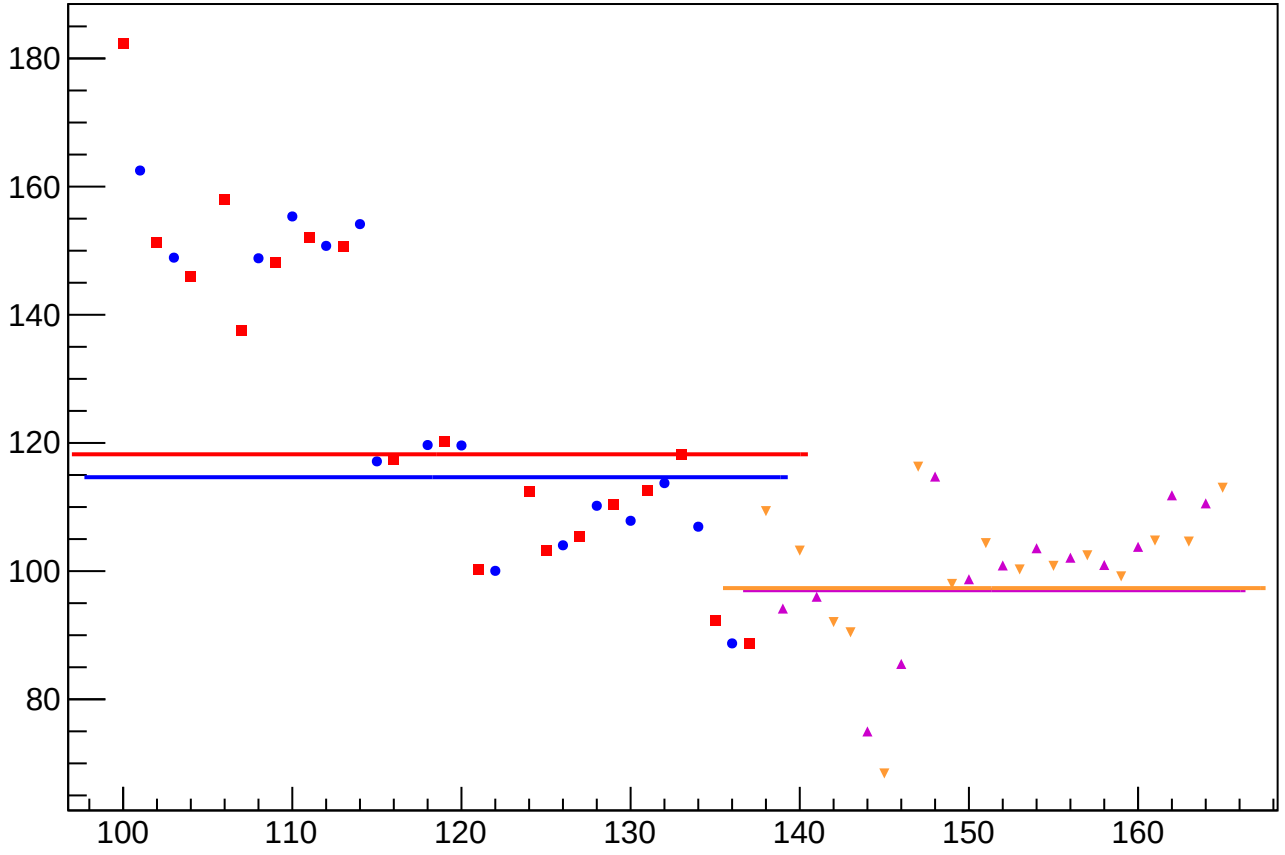
Left In: 2.278+/-29.738 χ^2/NDF:10.5/12

+ sign 50.455+/-23.923 χ^2/NDF: 32.7/30

All: 26.717+/-17.165 χ^2/NDF: 61.9/62

- sign 1.525+/-24.644 χ^2/NDF: 27.1/31

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 97.350+/-0.020 χ^2/NDF:422089.0/14

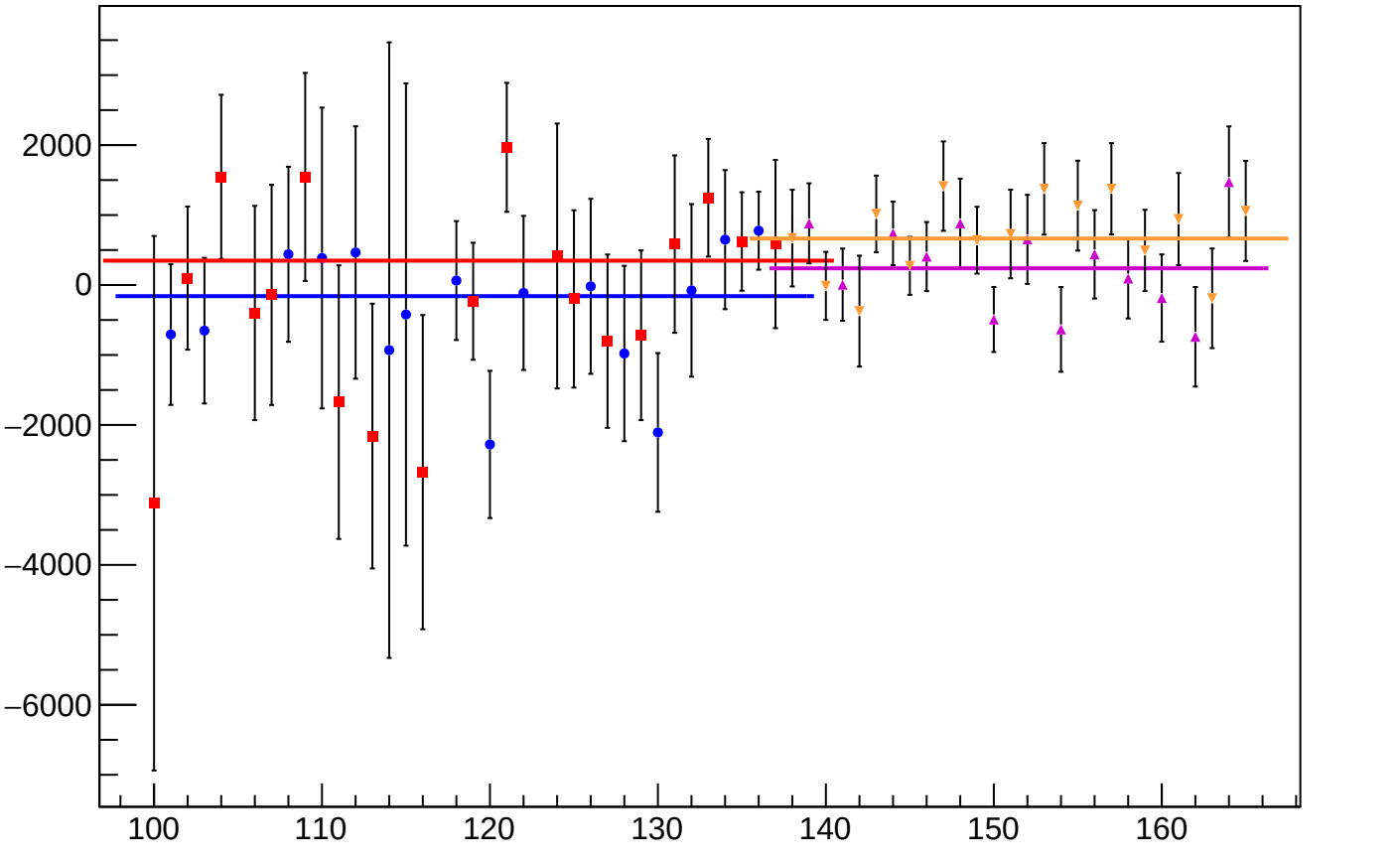
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 97.020+/-0.021 χ^2/NDF:290393.8/12

+ sign 102.582+/-0.017 χ^2/NDF: 1174769.1/30

All: 103.106+/-0.012 χ^2/NDF: 2269231.7/62

- sign 103.663+/-0.017 χ^2/NDF: 1092478.5/31



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 663.946+/-152.939 χ^2/NDF:11.3/14

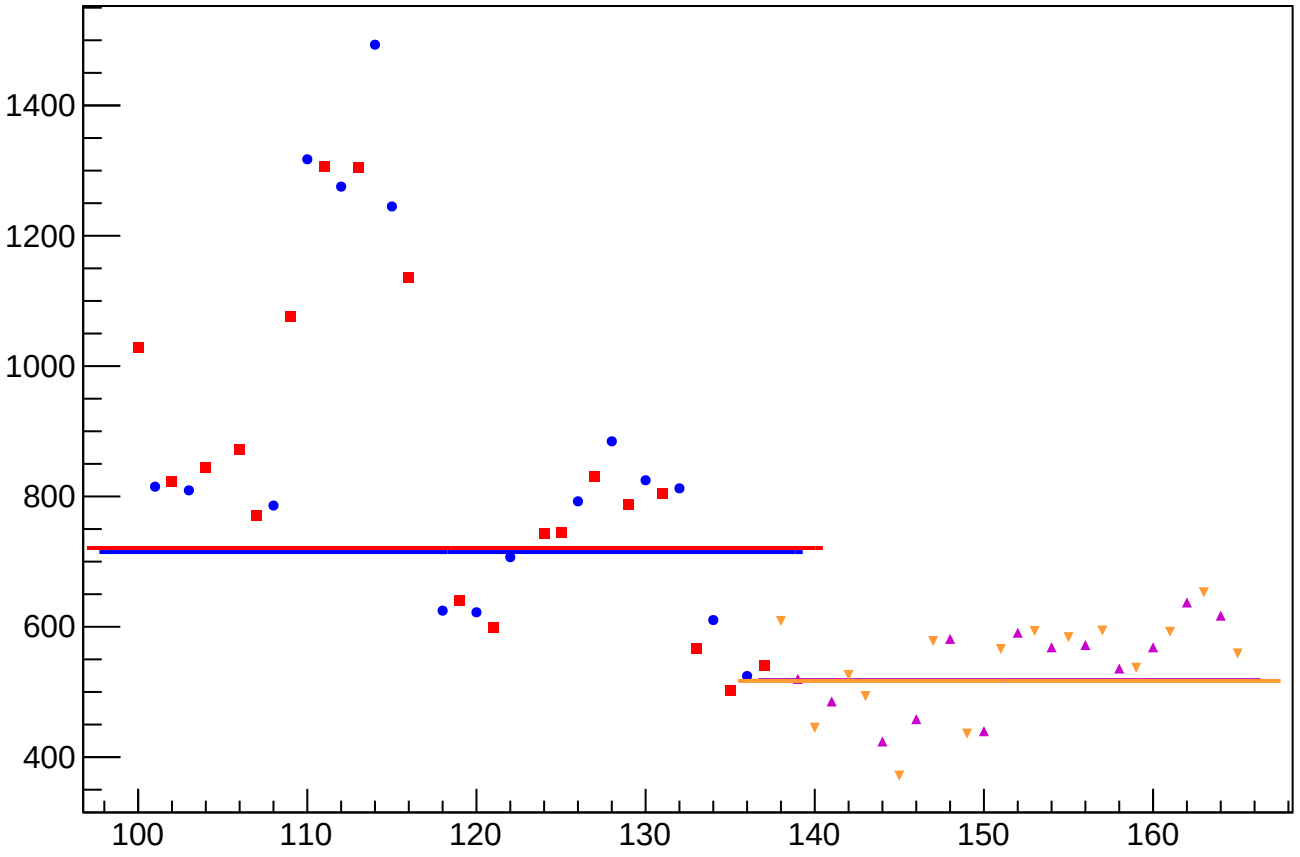
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 238.793+/-158.691 χ^2/NDF:13.7/12

+ sign 469.037+/-133.608 χ^2/NDF: 30.1/30

All: 370.467+/-95.744 χ^2/NDF: 59.3/62

- sign 266.417+/-137.271 χ^2/NDF: 28.1/31



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 516.912+/-0.108 χ^2/NDF:603155.7/14

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

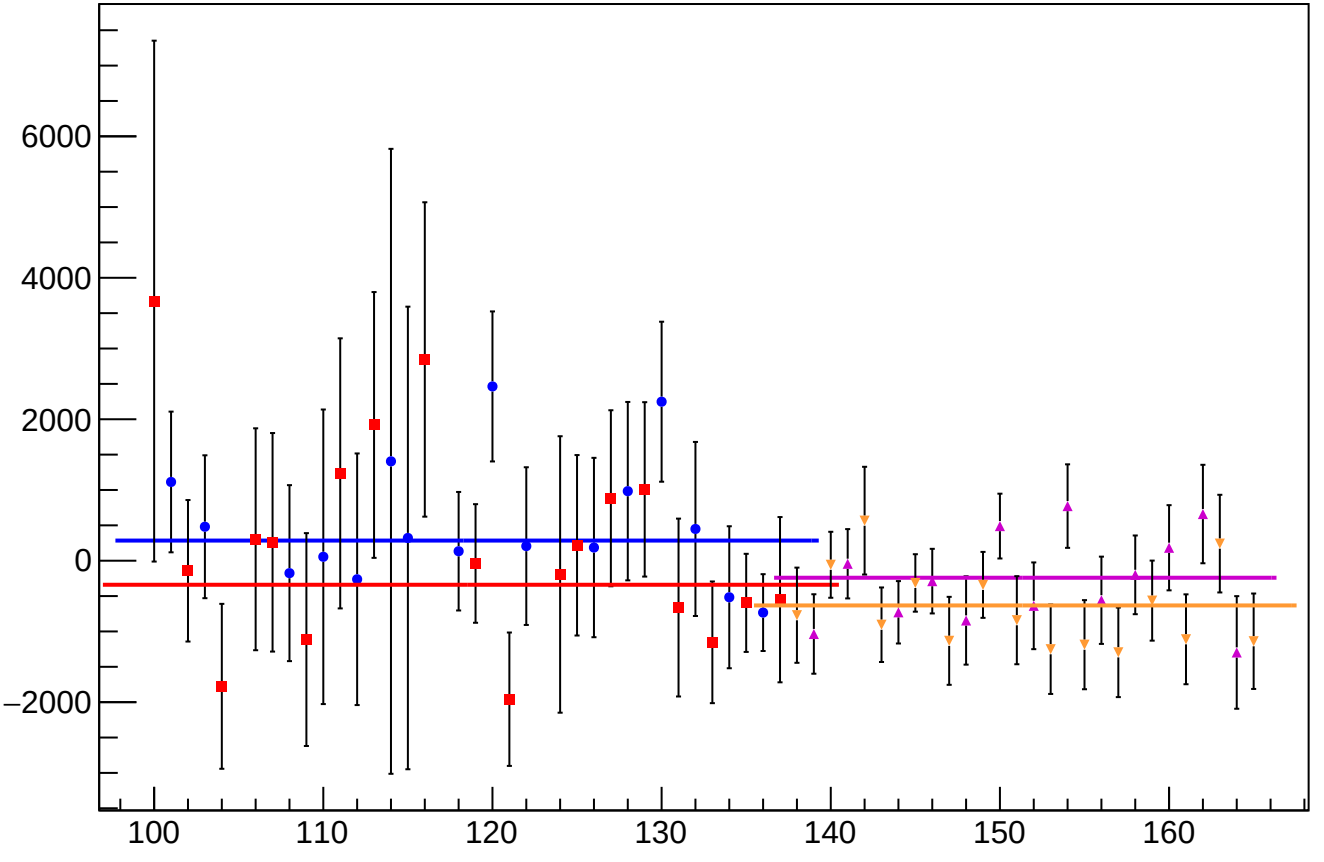
Left In: 518.209+/-0.112 χ^2/NDF:356153.9/12

\+ sign 563.742+/-0.094 χ^2/NDF: 2271224.7/30

All: 566.412+/-0.068 χ^2/NDF: 4468686.7/62

\- sign 569.230+/-0.097 χ^2/NDF: 2195820.8/31

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -632.323+/-148.466 χ^2/NDF:11.6/14

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

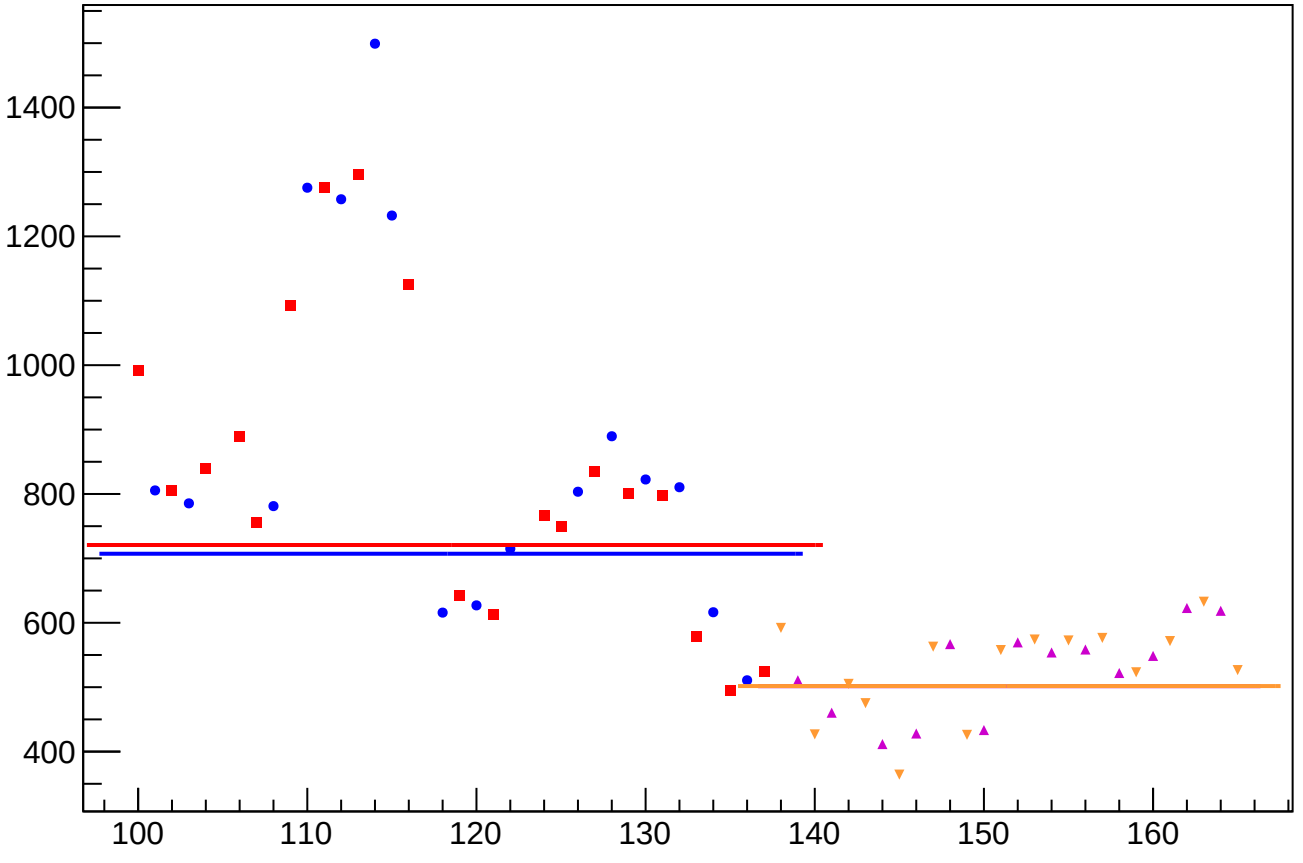
Left In: -240.768+/-153.608 χ^2/NDF:14.4/12

+ sign -421.741+/-130.311 χ^2/NDF: 33.2/30

All: -345.307+/-93.401 χ^2/NDF: 62.5/62

- sign -264.555+/-133.942 χ^2/NDF: 28.6/31

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 501.743+/-0.105 χ^2/NDF:591227.1/14

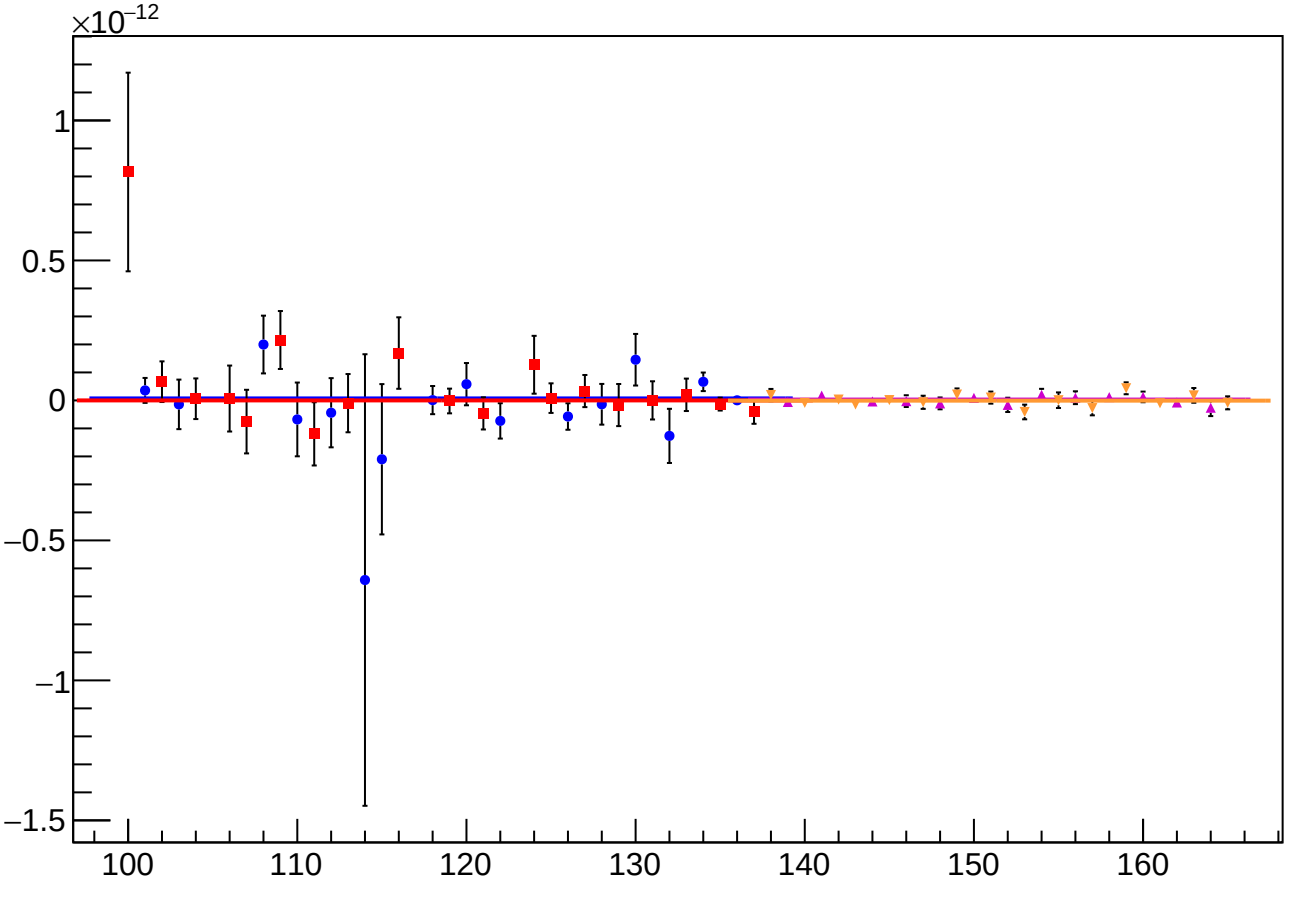
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 501.538+/-0.109 χ^2/NDF:391925.2/12

+ sign 548.921+/-0.092 χ^2/NDF: 2367467.4/30

All: 551.430+/-0.066 χ^2/NDF: 4752618.7/62

- sign 554.081+/-0.095 χ^2/NDF: 2383626.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/14

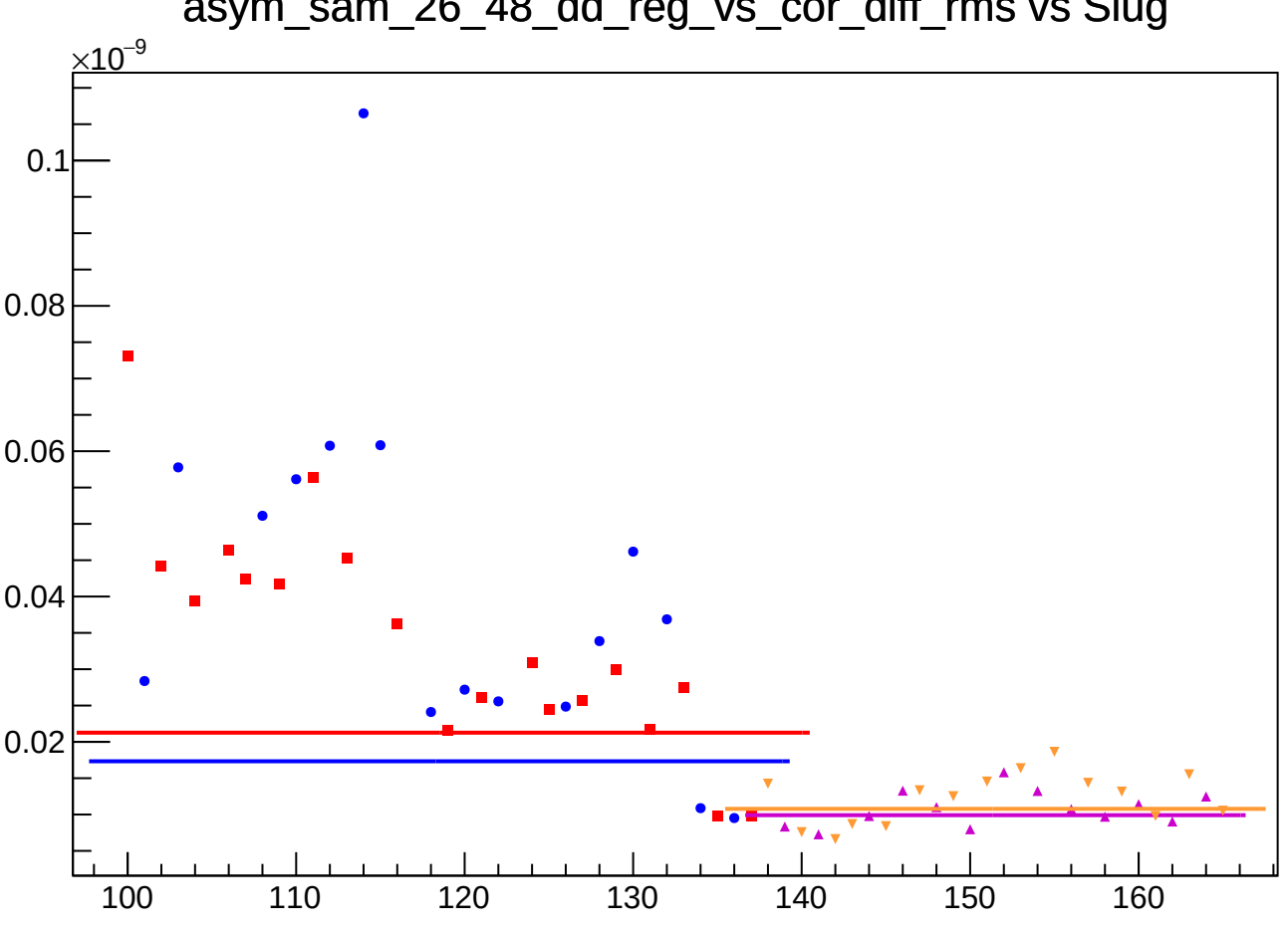
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 29.8/30

All: 0.000+/-0.000 χ^2/NDF: 53.0/62

- sign 0.000+/-0.000 χ^2/NDF: 23.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:872060.6/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

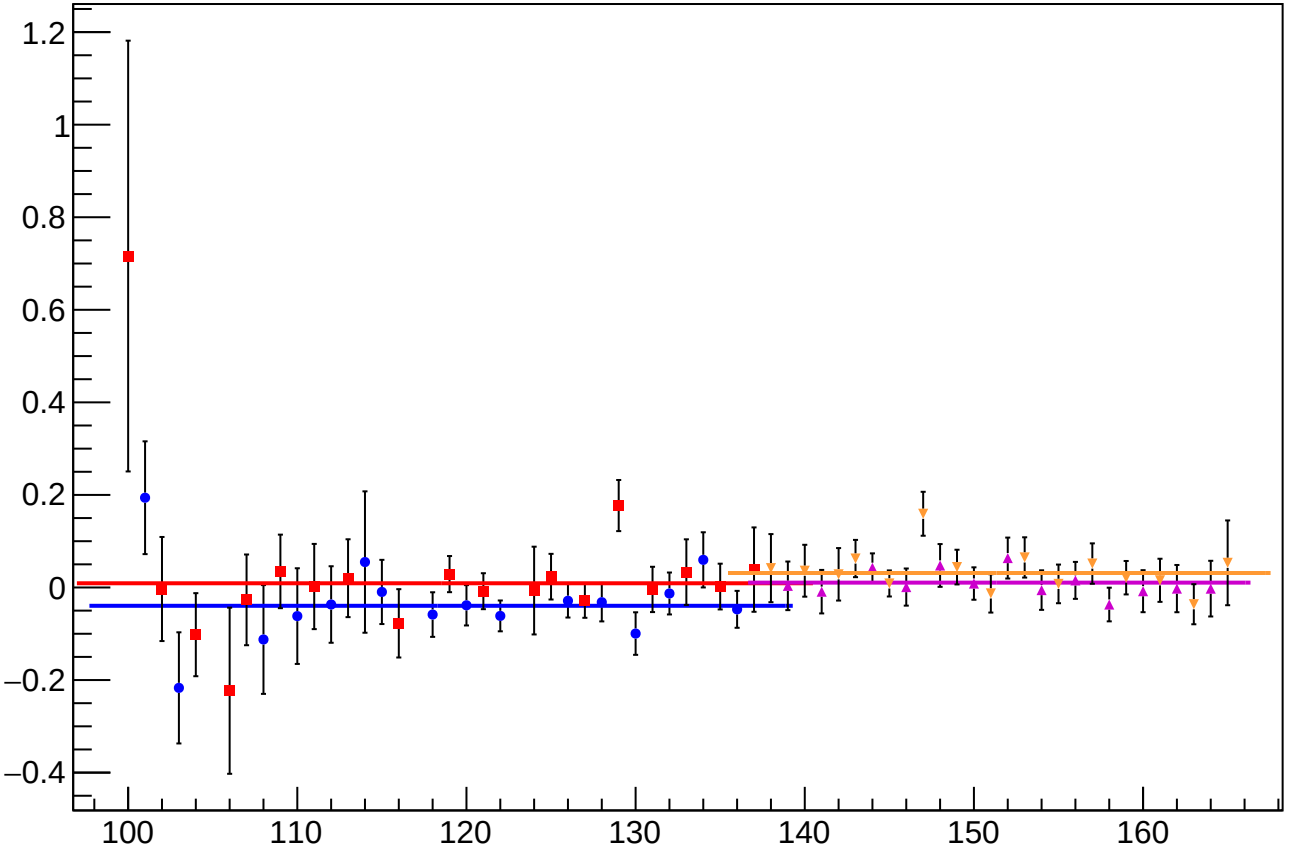
Left In: 0.000+/-0.000 χ^2/NDF:381829.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 3789230.8/30

All: 0.000+/-0.000 χ^2/NDF: 7119076.8/62

- sign 0.000+/-0.000 χ^2/NDF: 3316253.6/31

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

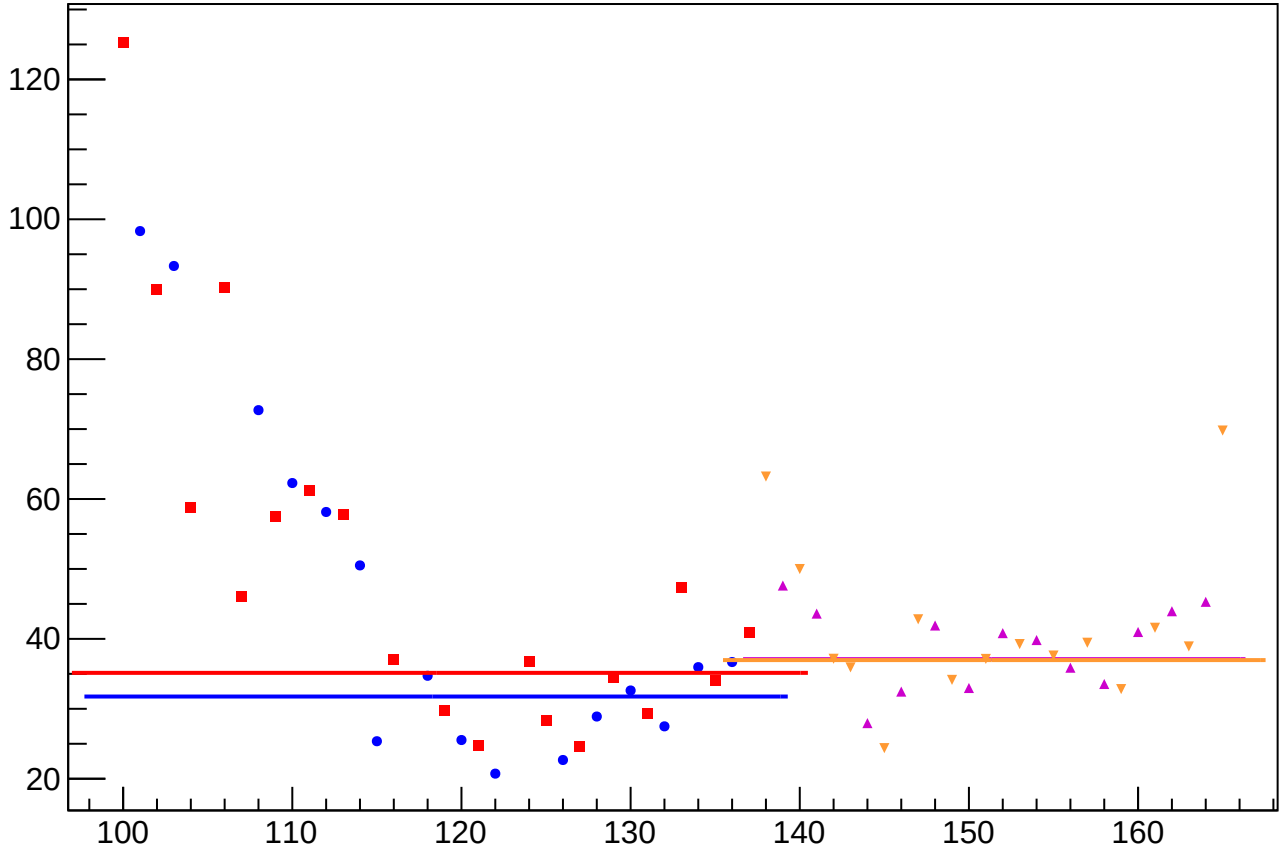
Left In: 0.010+/-0.012 χ^2/NDF:5.5/12

+ sign 0.001+/-0.009 χ^2/NDF: 42.8/30

All: 0.005+/-0.006 χ^2/NDF: 67.1/62

- sign 0.010+/-0.009 χ^2/NDF: 23.8/31

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: 36.965+/-0.008 χ^2/NDF:1124797.3/14

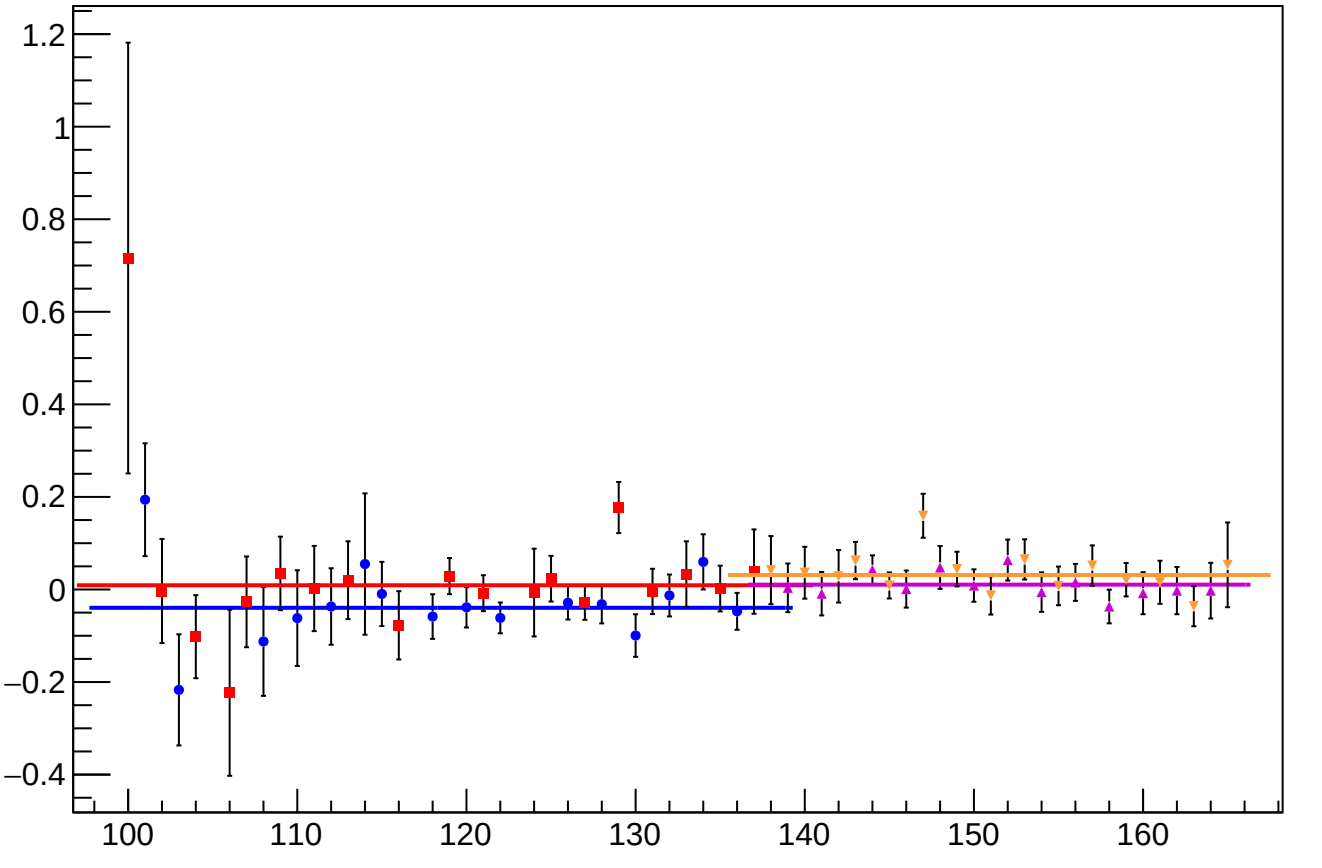
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.7/12

+ sign 34.772+/-0.006 χ^2/NDF: 3558583.7/30

All: 35.500+/-0.004 χ^2/NDF: 5956235.5/62

- sign 36.310+/-0.006 χ^2/NDF: 2366927.2/31



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/14

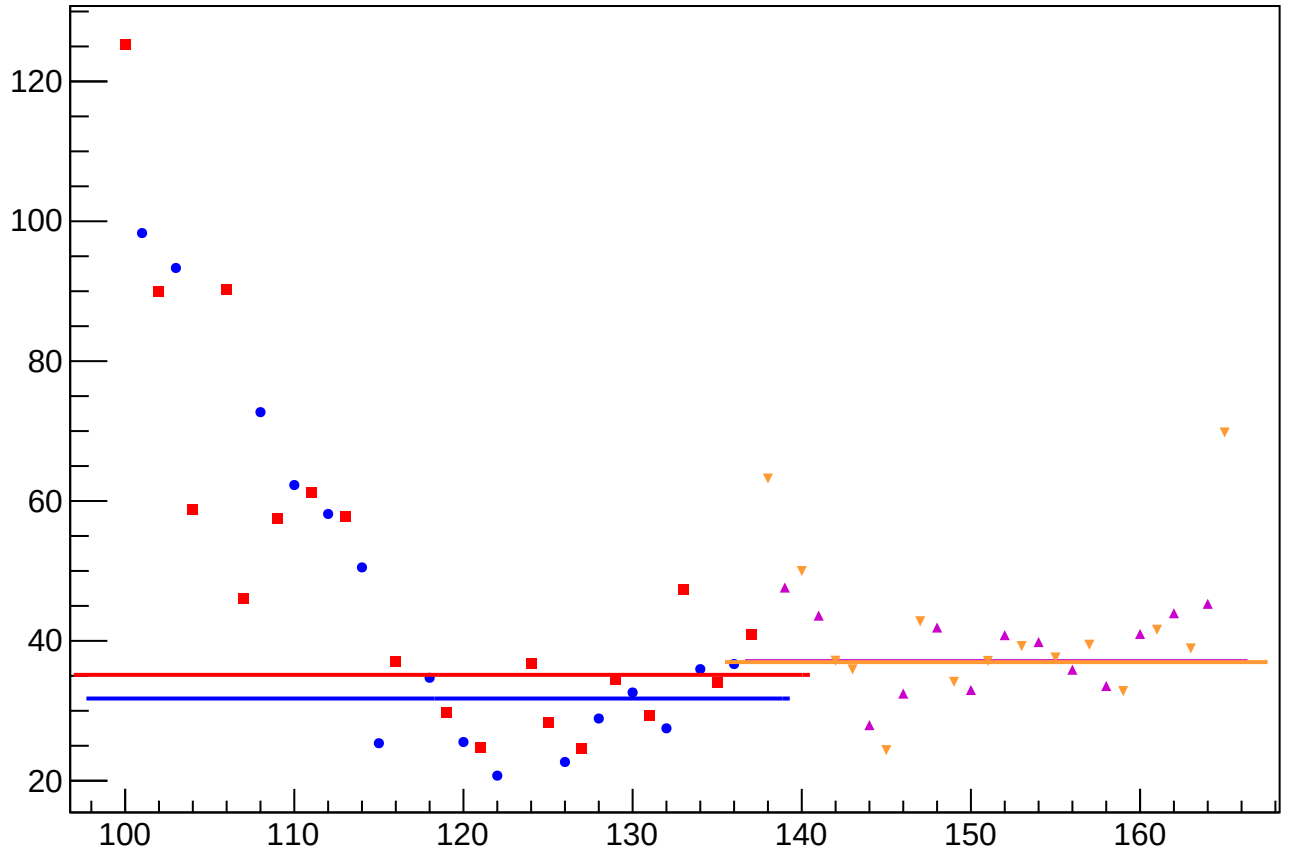
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.012 χ^2/NDF:5.5/12

+ sign 0.001+/-0.009 χ^2/NDF: 42.8/30

All: 0.005+/-0.006 χ^2/NDF: 67.1/62

- sign 0.010+/-0.009 χ^2/NDF: 23.8/31



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.965+/-0.008 χ^2/NDF:1124797.3/14

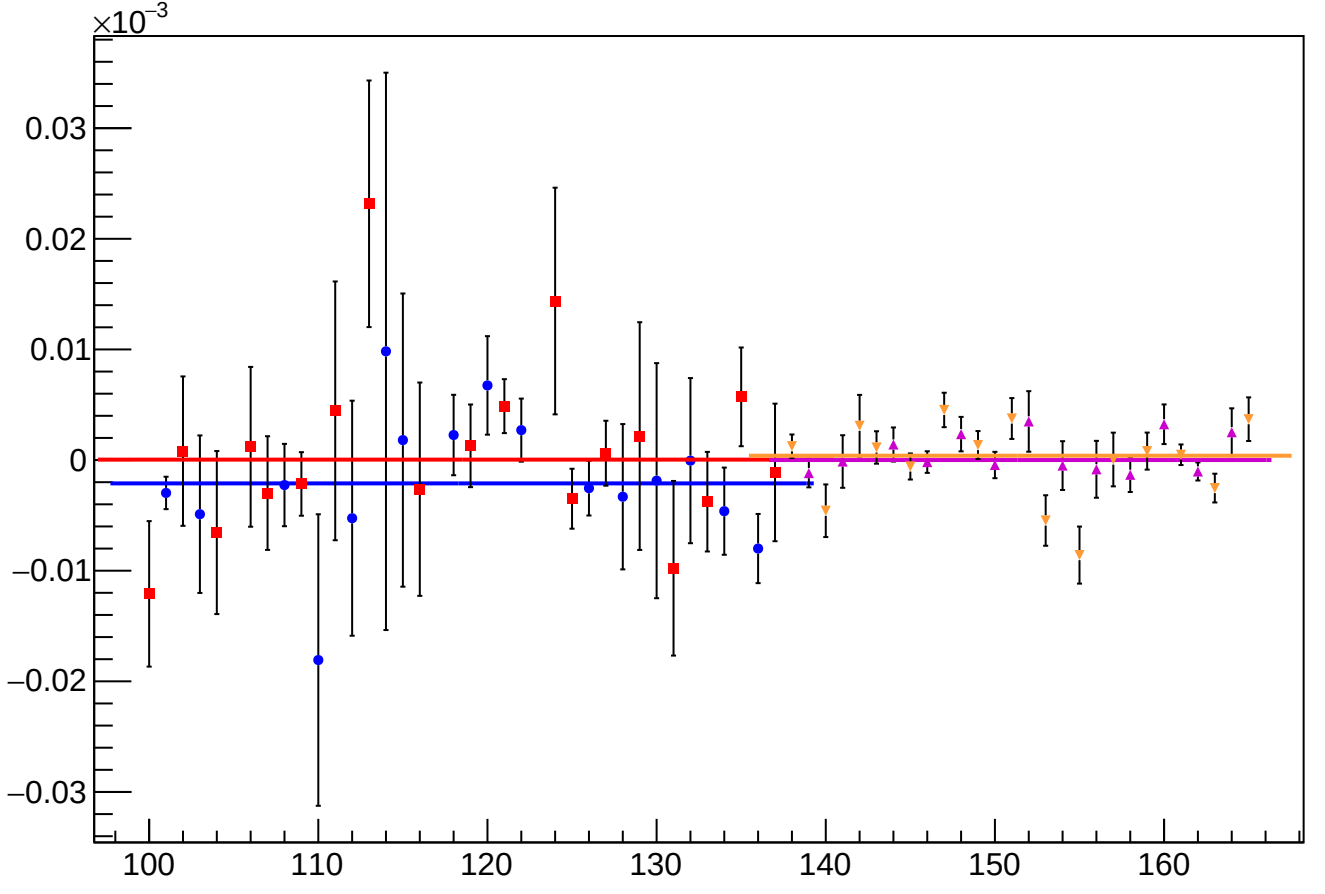
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.7/12

+ sign 34.772+/-0.006 χ^2/NDF: 3558583.7/30

All: 35.500+/-0.004 χ^2/NDF: 5956235.5/62

- sign 36.310+/-0.006 χ^2/NDF: 2366927.2/31



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.5/14

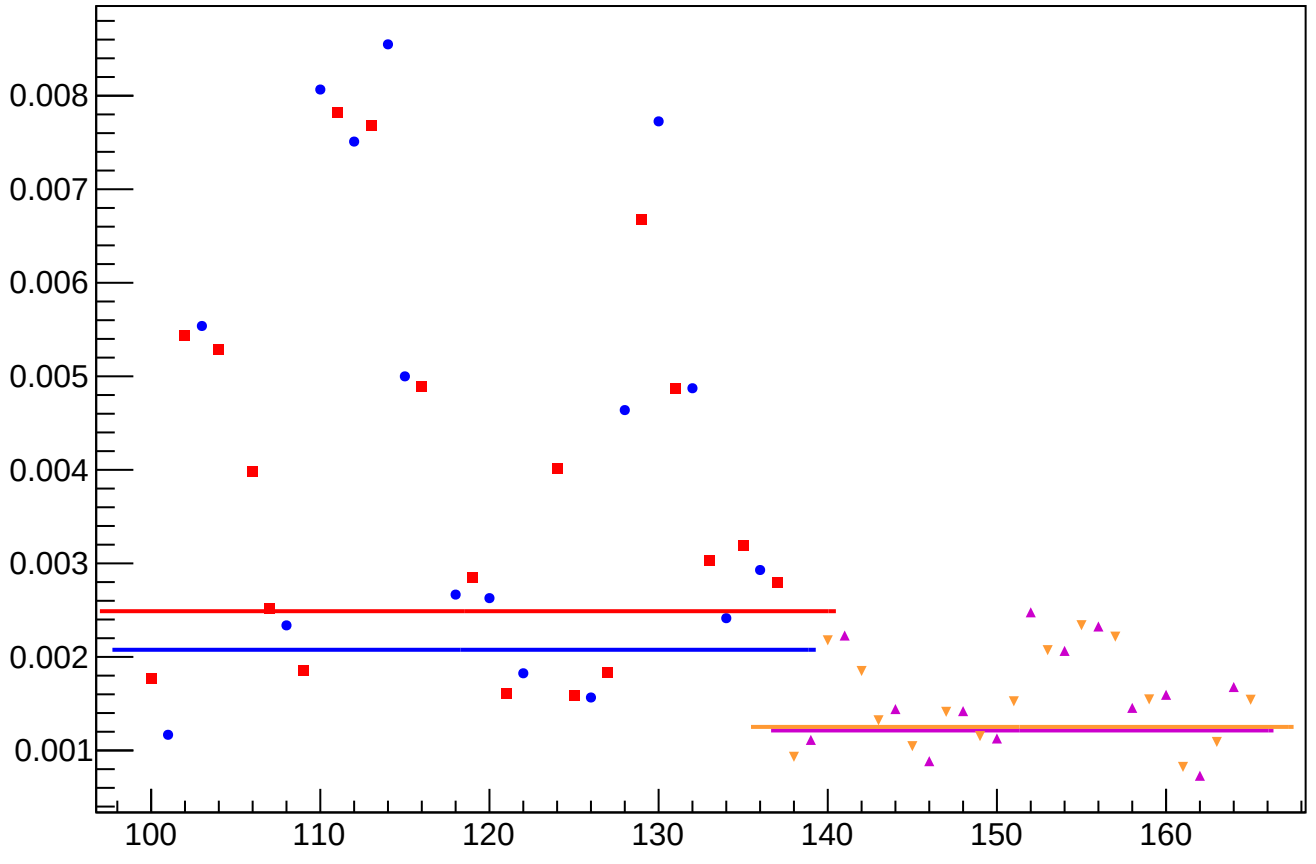
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/30

All: 0.000+/-0.000 χ^2/NDF: 99.9/62

- sign 0.000+/-0.000 χ^2/NDF: 34.2/31



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2207771.6/14

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

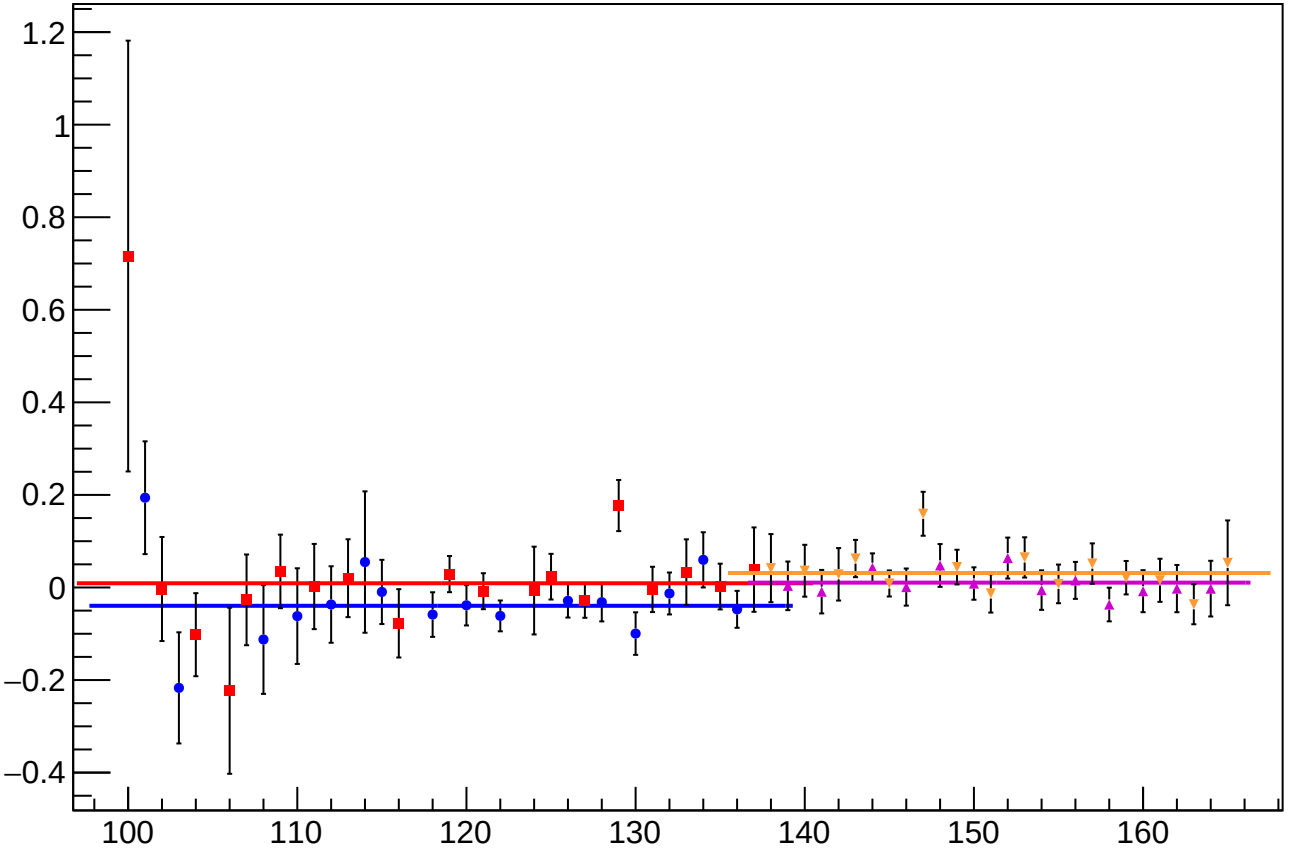
Left In: 0.001+/-0.000 χ^2/NDF:2725418.2/12

+ sign 0.001+/-0.000 χ^2/NDF: 7513813.3/30

All: 0.001+/-0.000 χ^2/NDF: 15943827.7/62

- sign 0.001+/-0.000 χ^2/NDF: 8429933.9/31

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: 0.031+/-0.011 χ^2/NDF:13.6/14

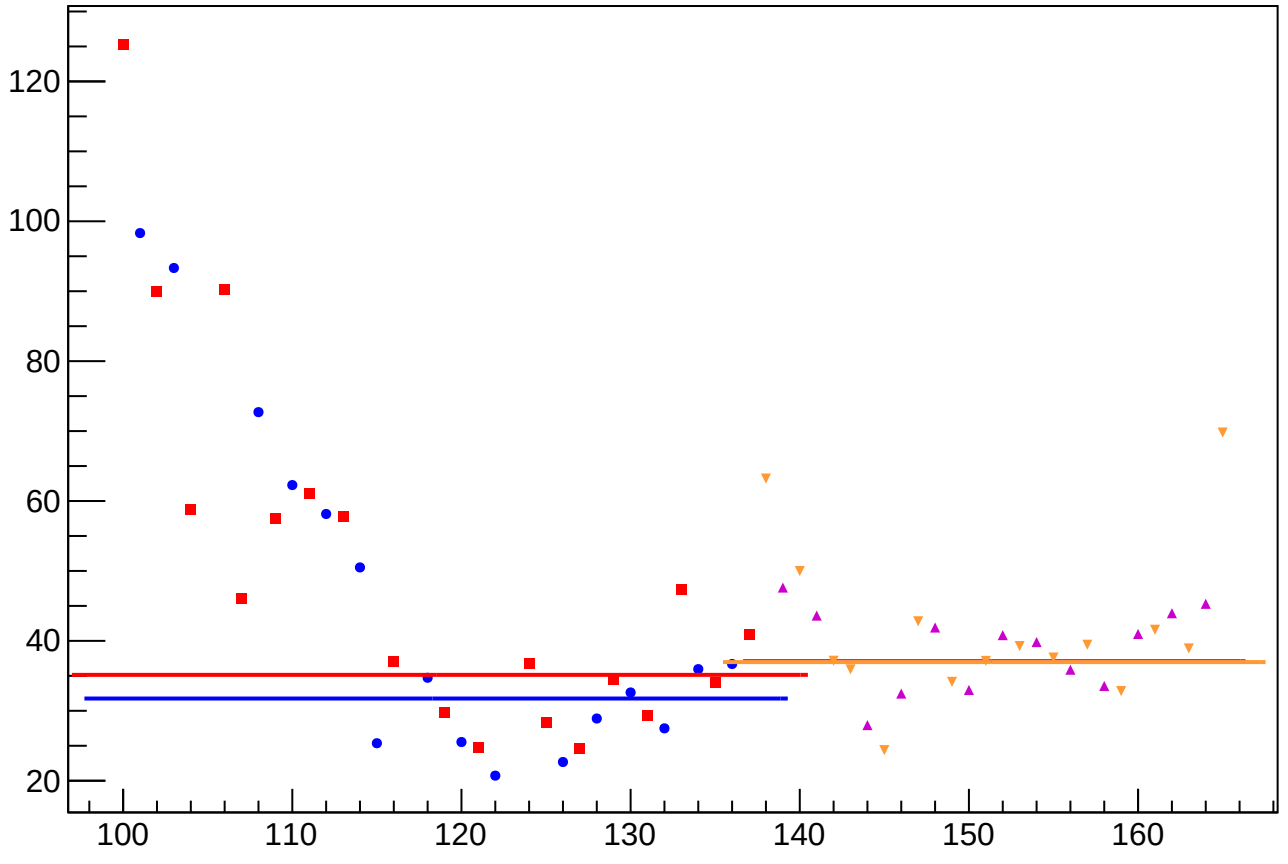
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.010+/-0.012 χ^2/NDF:5.5/12

+ sign 0.001+/-0.009 χ^2/NDF: 42.8/30

All: 0.005+/-0.006 χ^2/NDF: 67.1/62

- sign 0.010+/-0.009 χ^2/NDF: 23.8/31



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.965+/-0.008 χ^2/NDF:1124826.1/14

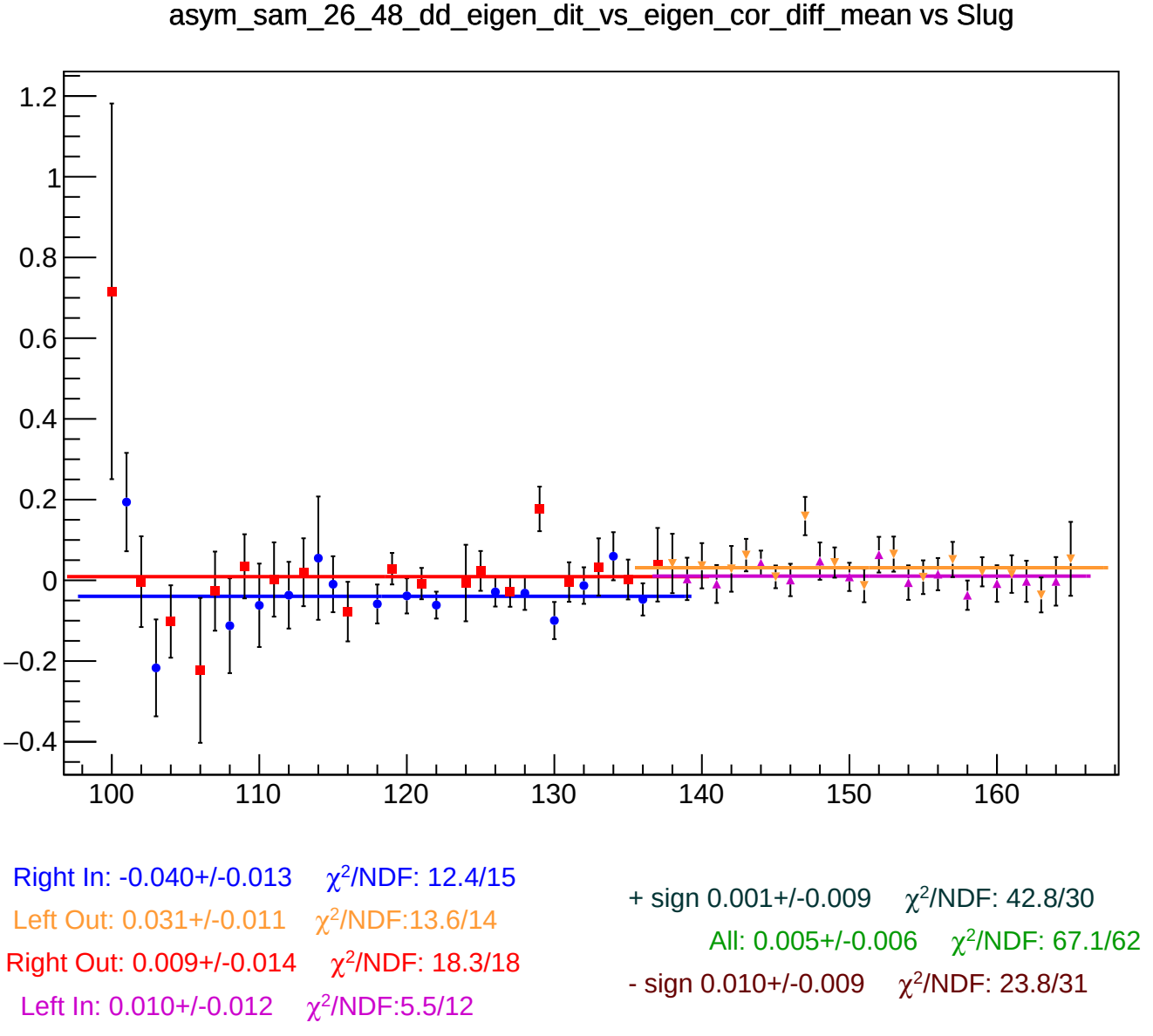
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

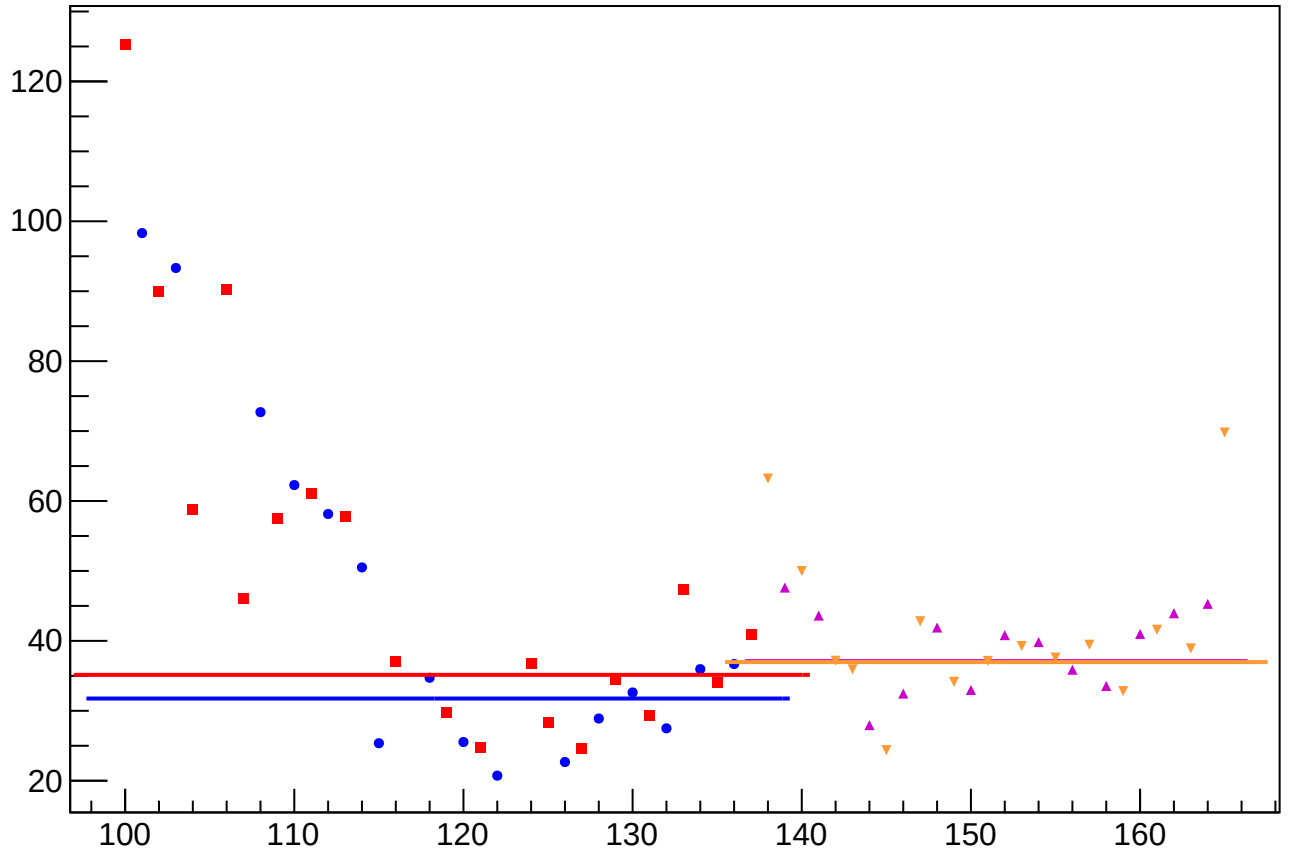
Left In: 37.104+/-0.008 χ^2/NDF:499338.2/12

+ sign 34.772+/-0.006 χ^2/NDF: 3558564.3/30

All: 35.500+/-0.004 χ^2/NDF: 5956107.7/62

- sign 36.310+/-0.006 χ^2/NDF: 2366815.7/31


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.031+/-0.011 χ²/NDF:13.6/14
Right Out: 0.009+/-0.014 χ²/NDF: 18.3/18
Left In: 0.010+/-0.012 χ²/NDF:5.5/12
+ sign 0.001+/-0.009 χ²/NDF: 42.8/30
All: 0.005+/-0.006 χ²/NDF: 67.1/62
- sign 0.010+/-0.009 χ²/NDF: 23.8/31



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.965+/-0.008 χ^2/NDF:1124826.1/14

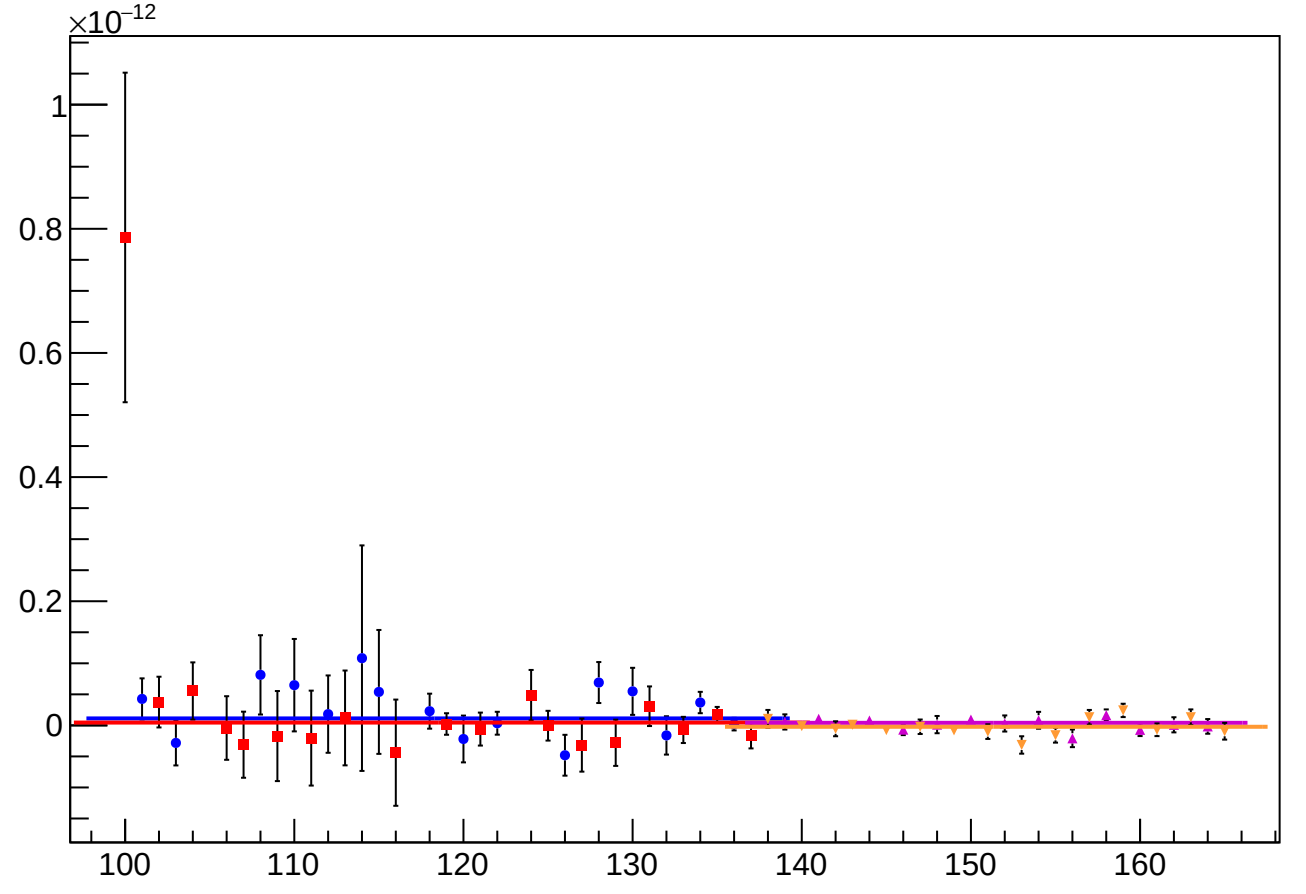
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.2/12

+ sign 34.772+/-0.006 χ^2/NDF: 3558564.3/30

All: 35.500+/-0.004 χ^2/NDF: 5956107.7/62

- sign 36.310+/-0.006 χ^2/NDF: 2366815.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/14

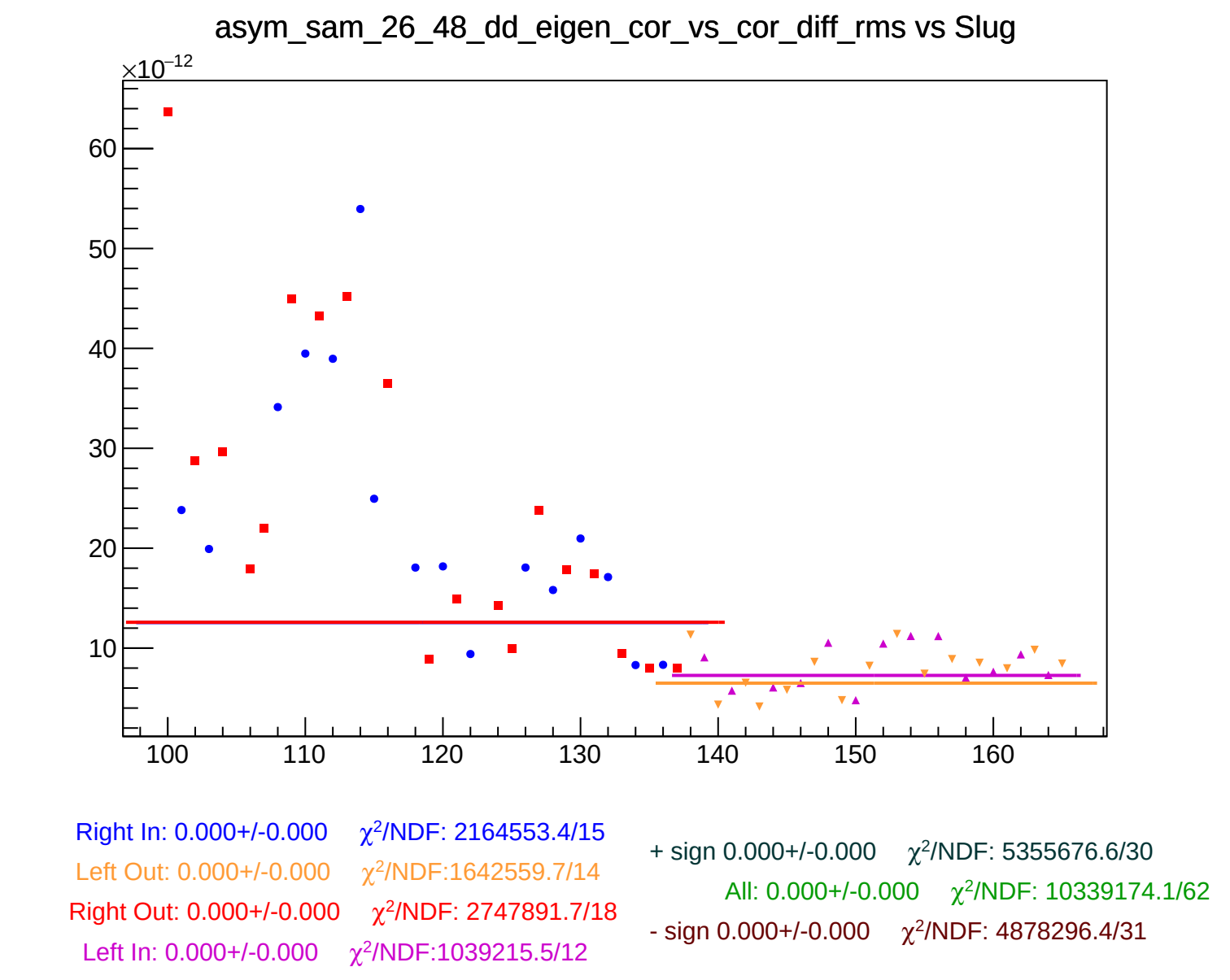
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/12

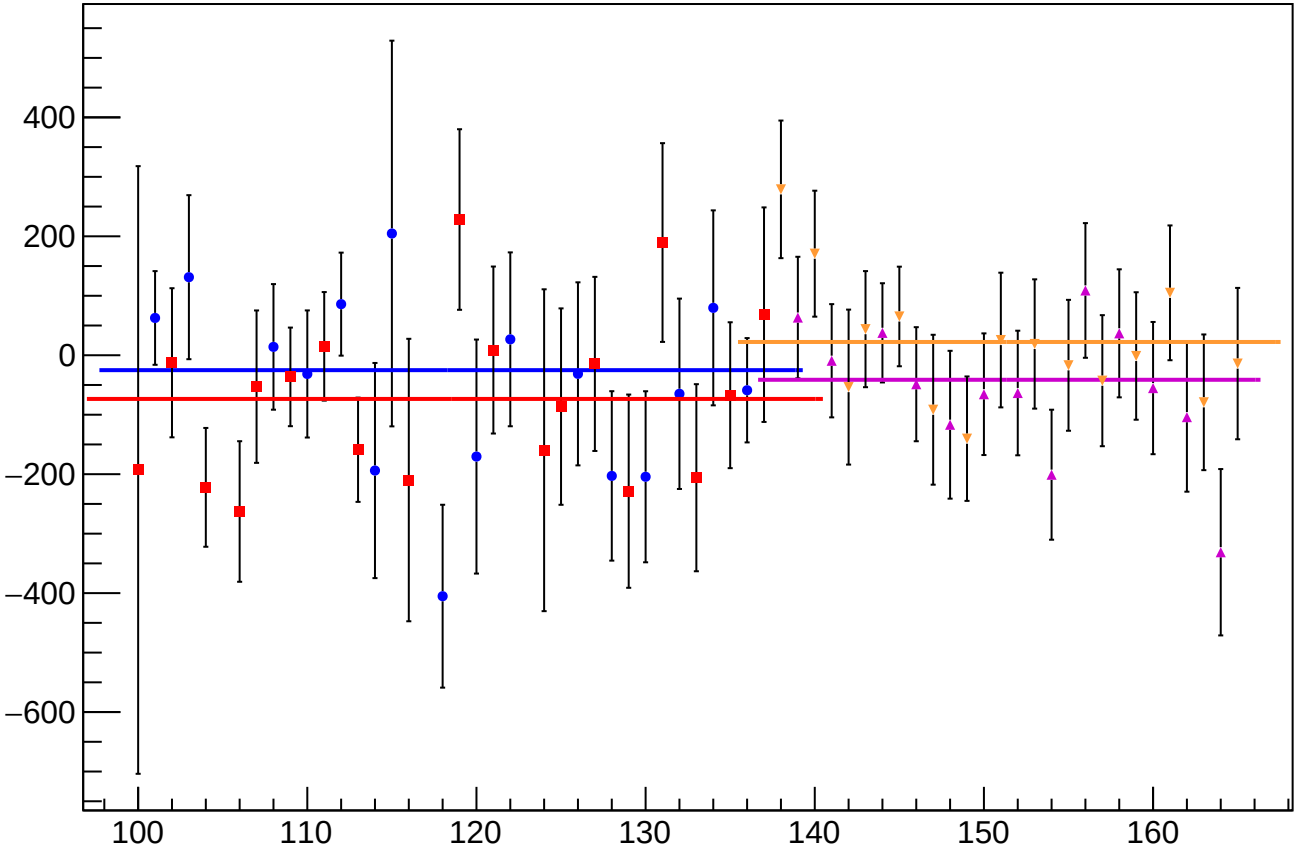
+ sign -0.000+/-0.000 χ^2/NDF: 38.7/30

All: 0.000+/-0.000 χ^2/NDF: 67.7/62

- sign 0.000+/-0.000 χ^2/NDF: 27.1/31


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1642559.7/14
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1039215.5/12
+ sign 0.000+/-0.000 χ²/NDF: 5355676.6/30
All: 0.000+/-0.000 χ²/NDF: 10339174.1/62
- sign 0.000+/-0.000 χ²/NDF: 4878296.4/31

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.325+/-28.220 χ^2/NDF:12.7/14

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

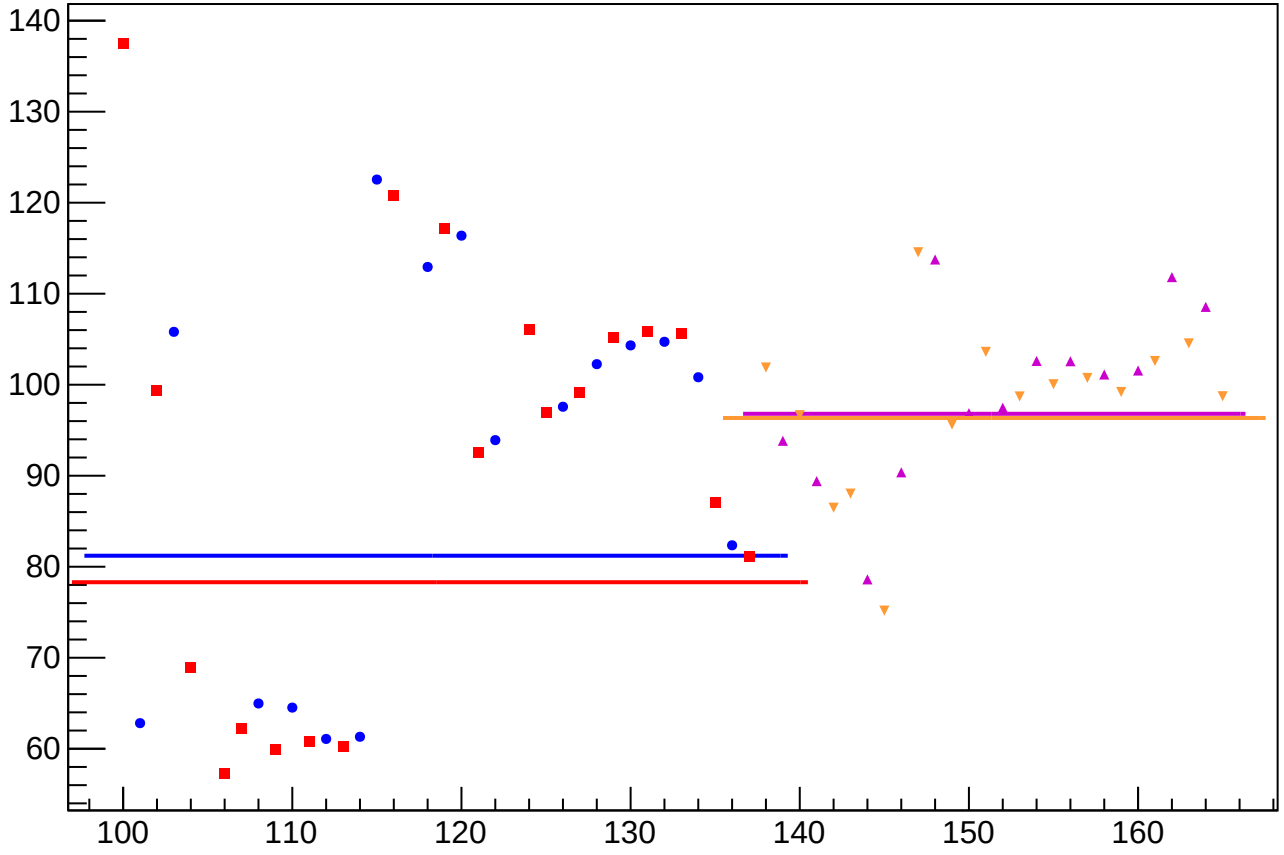
Left In: -41.258+/-29.443 χ^2/NDF:11.5/12

+ sign 1.019+/-20.938 χ^2/NDF: 30.2/30

All: -27.962+/-14.824 χ^2/NDF: 62.9/62

- sign -57.091+/-20.991 χ^2/NDF: 28.9/31

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.344+/-0.020 χ^2/NDF:233430.3/14

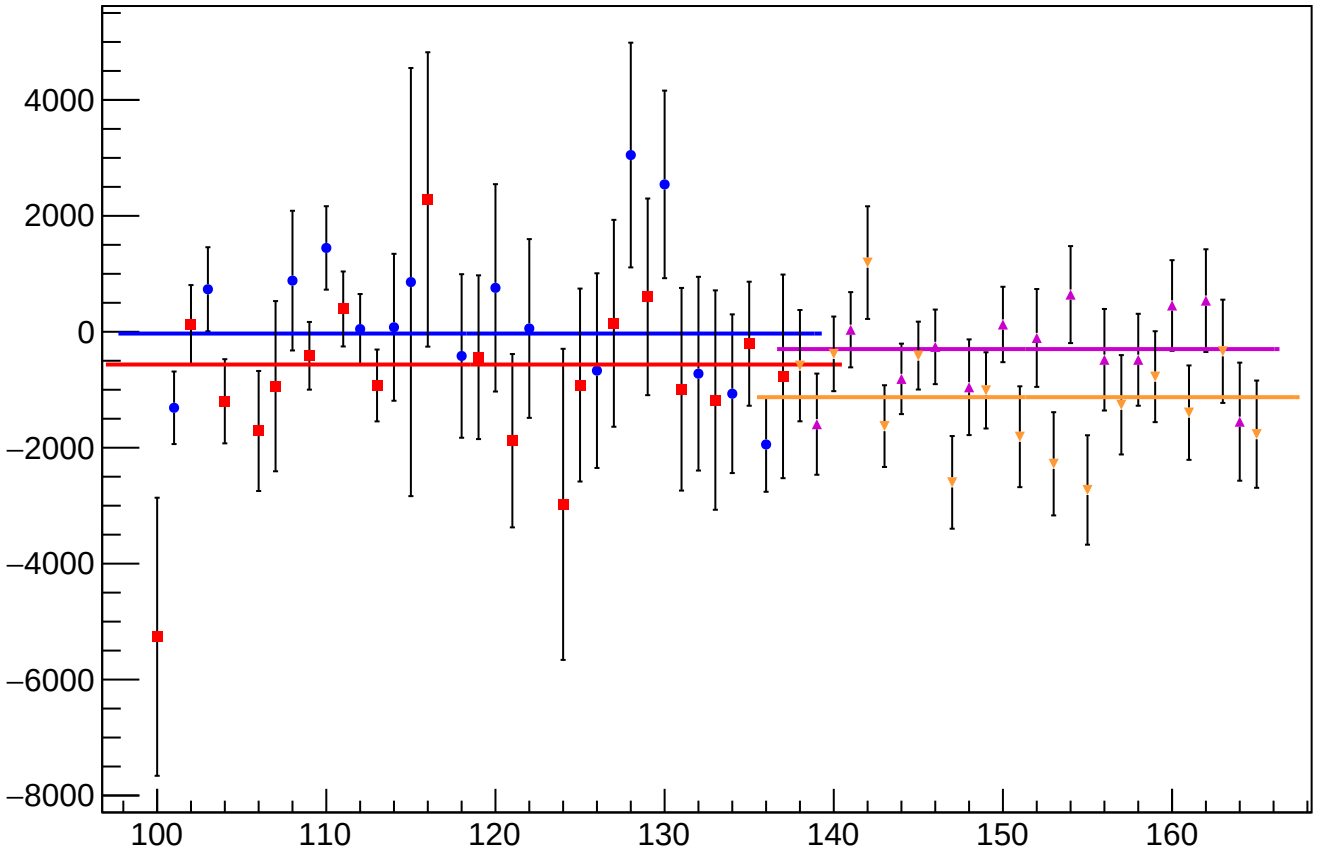
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

+ sign 89.541+/-0.015 χ^2/NDF: 1279668.1/30

All: 88.625+/-0.010 χ^2/NDF: 2826271.6/62

- sign 87.705+/-0.015 χ^2/NDF: 1538933.5/31



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1127.937+/-204.173 χ^2/NDF:19.5/14

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

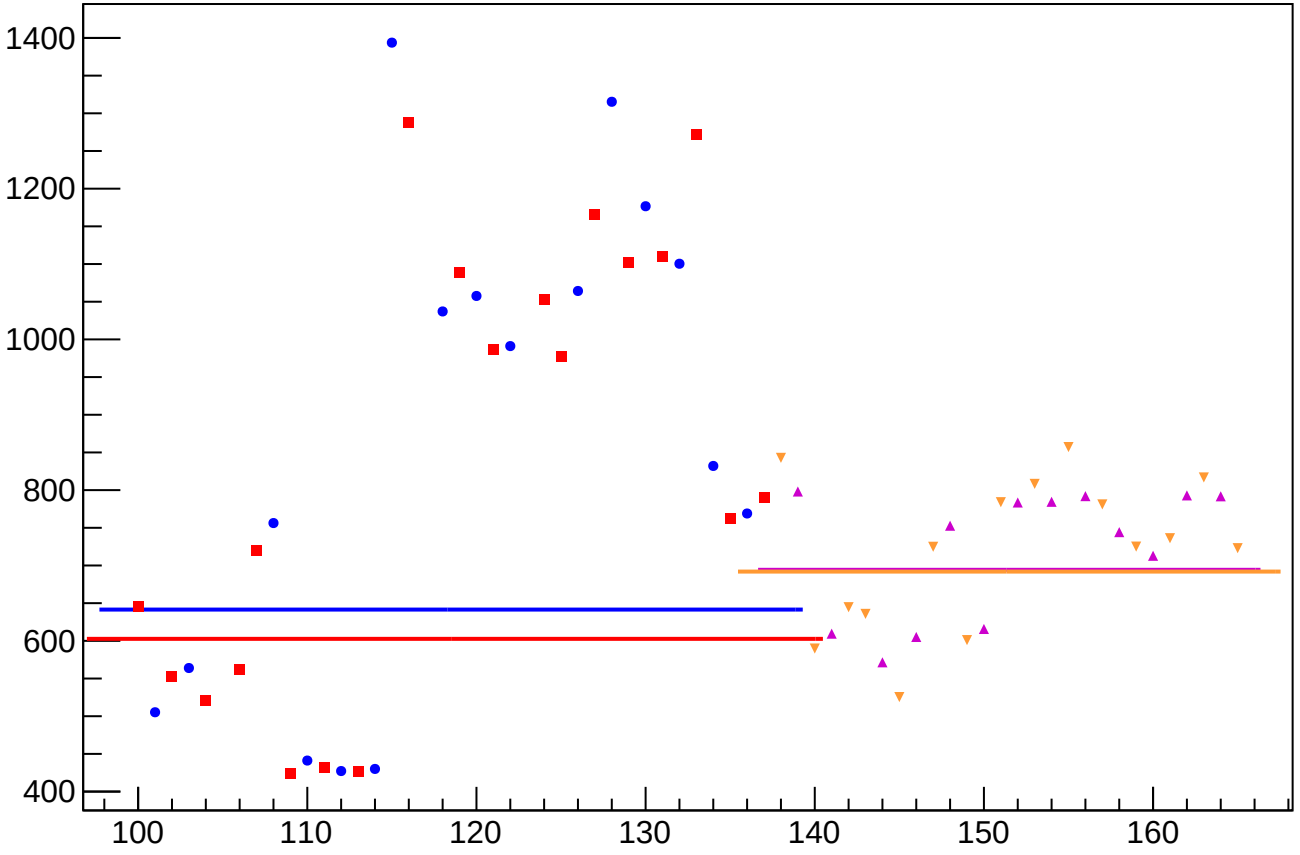
Left In: -298.426+/-212.052 χ^2/NDF:9.0/12

+ sign -703.264+/-159.864 χ^2/NDF: 52.6/30

All: -558.411+/-112.545 χ^2/NDF: 77.2/62

- sign -416.074+/-158.470 χ^2/NDF: 23.0/31

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 691.914+/-0.144 χ^2/NDF:510976.6/14

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

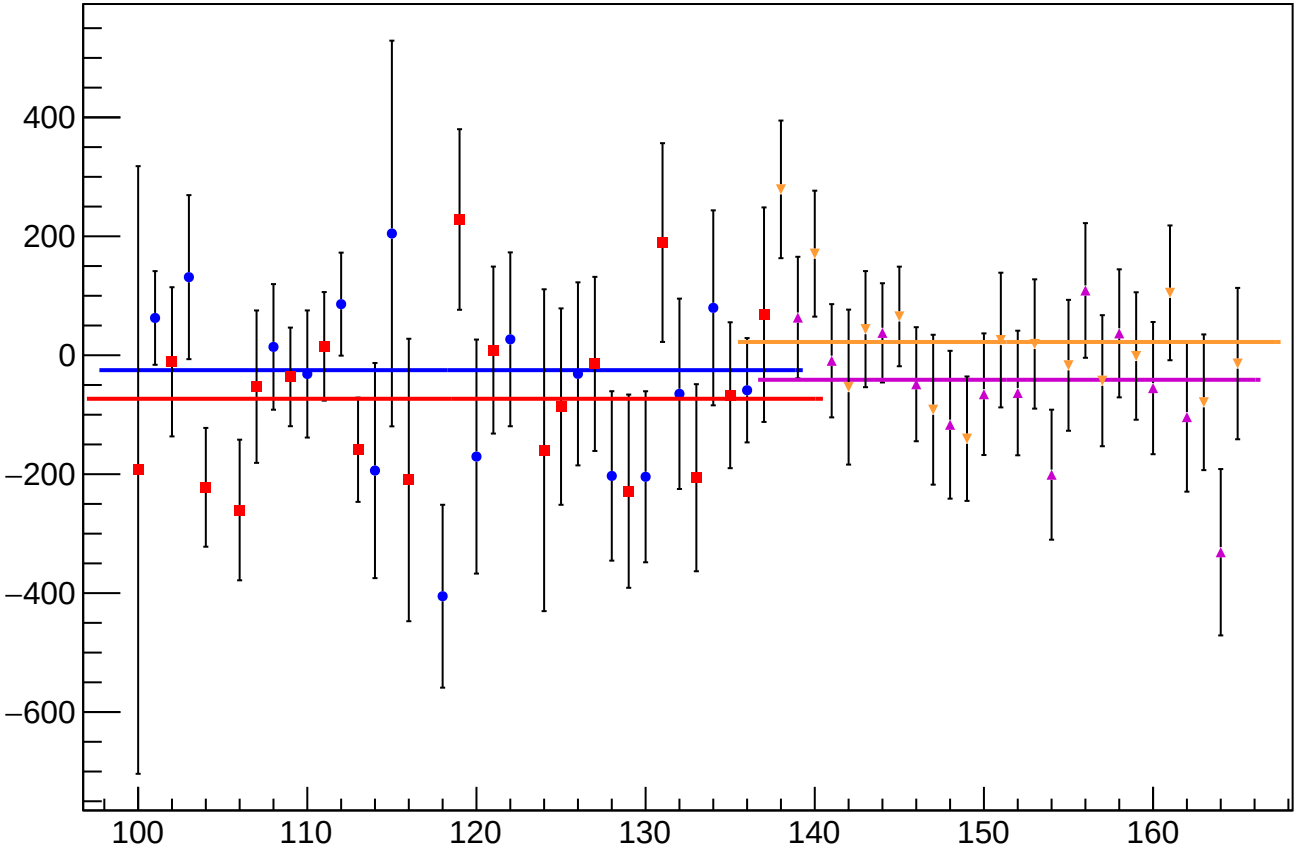
Left In: 694.266+/-0.150 χ^2/NDF:344333.1/12

+ sign 672.407+/-0.113 χ^2/NDF: 2433152.2/30

All: 663.031+/-0.080 χ^2/NDF: 5026250.4/62

- sign 653.818+/-0.112 χ^2/NDF: 2579459.3/31

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.328+/-28.220 χ^2/NDF:12.7/14

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

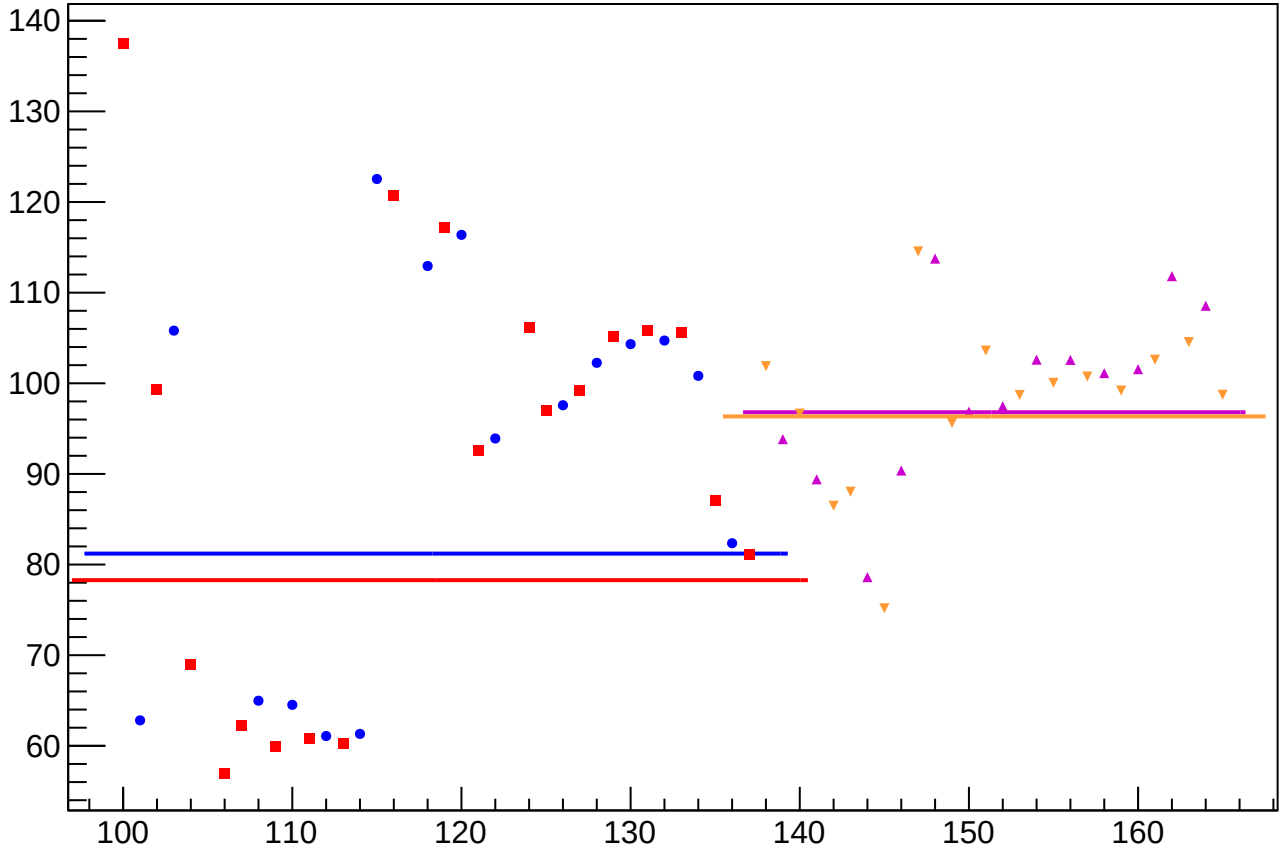
Left In: -41.258+/-29.443 χ^2/NDF:11.5/12

+ sign 1.020+/-20.938 χ^2/NDF: 30.2/30

All: -27.896+/-14.824 χ^2/NDF: 62.8/62

- sign -56.960+/-20.992 χ^2/NDF: 28.8/31

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.344+/-0.020 χ^2/NDF:233430.3/14

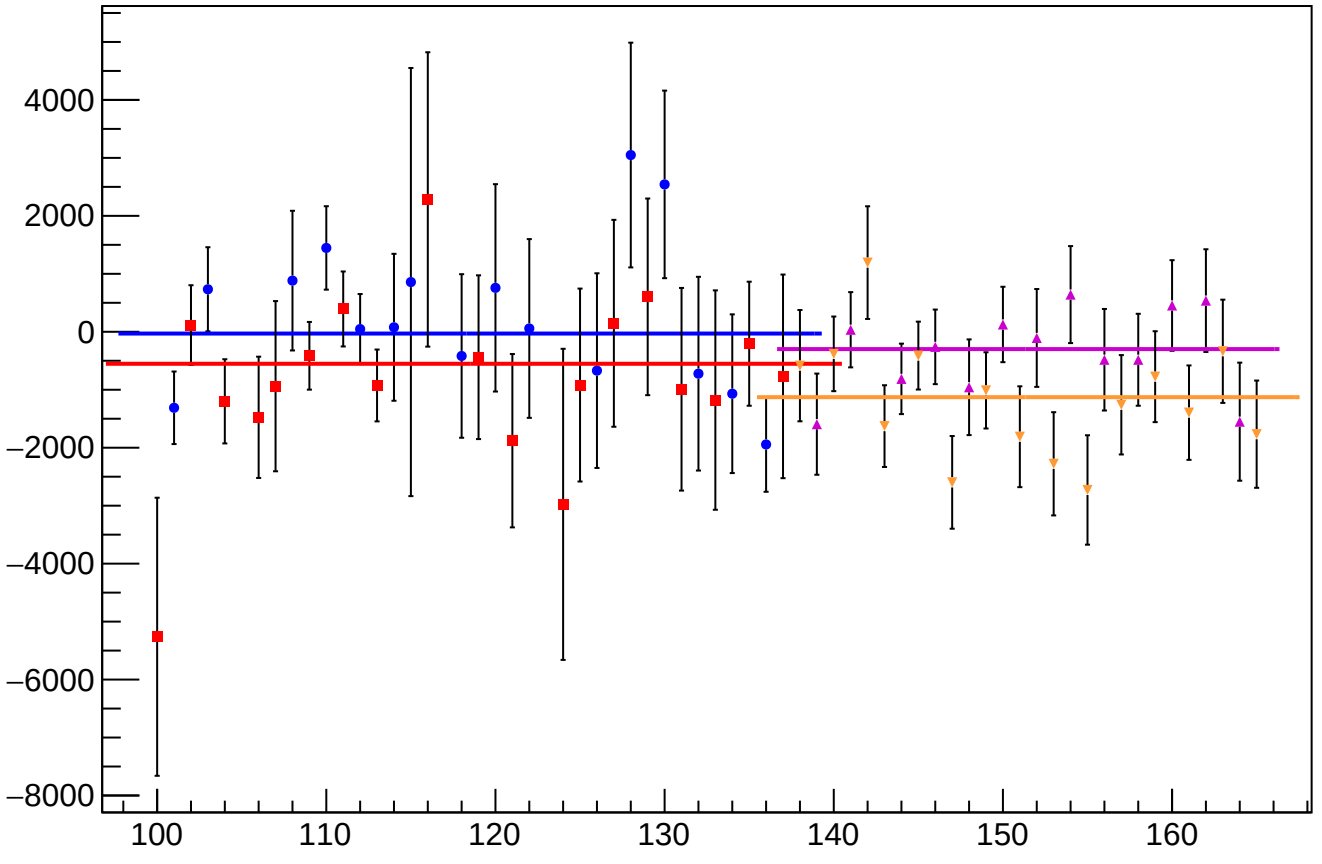
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

\+ sign 89.541+/-0.015 χ^2/NDF: 1279669.8/30

All: 88.621+/-0.010 χ^2/NDF: 2829242.6/62

\- sign 87.696+/-0.015 χ^2/NDF: 1541830.8/31



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1127.932+/-204.173 χ^2/NDF:19.5/14

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

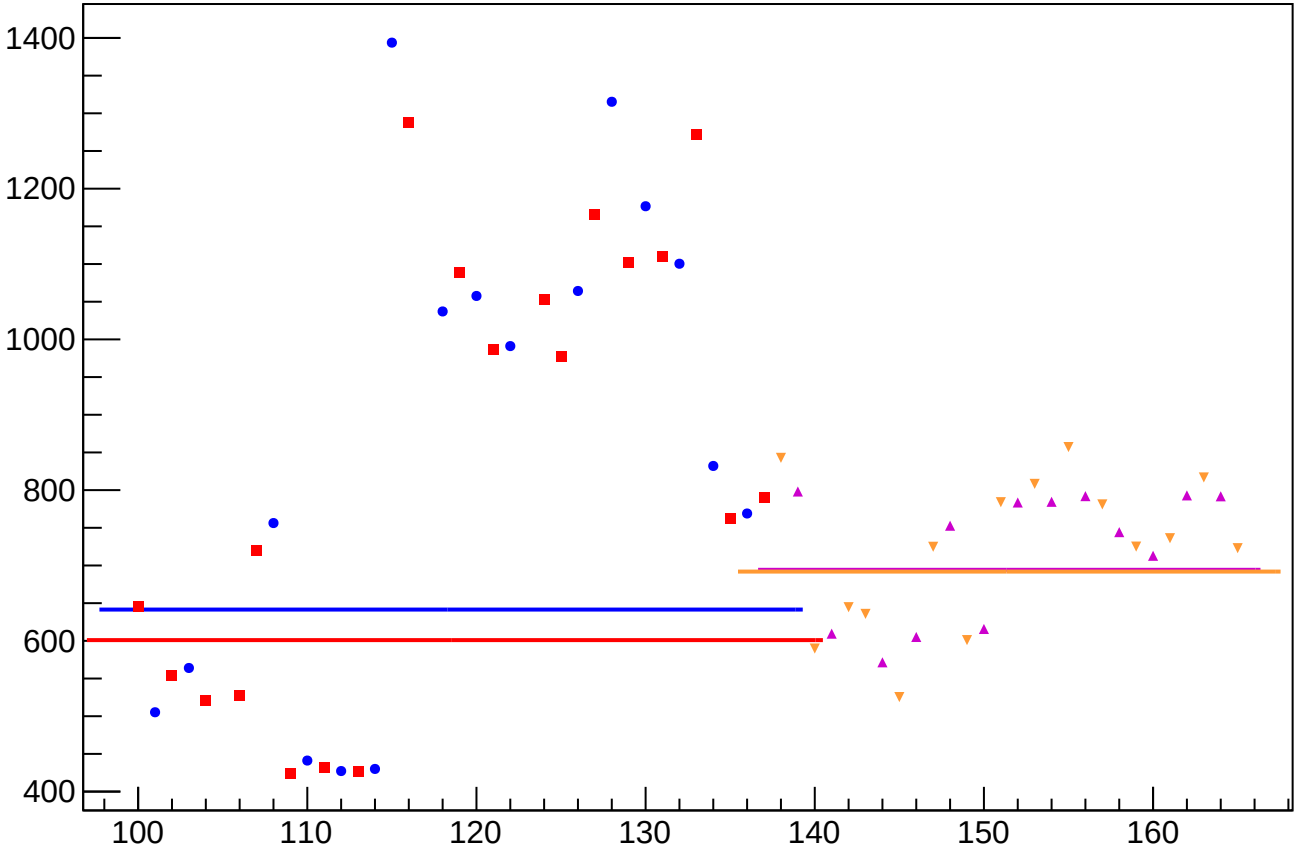
Left In: -298.430+/-212.052 χ^2/NDF:9.0/12

+ sign -703.277+/-159.865 χ^2/NDF: 52.6/30

All: -555.537+/-112.561 χ^2/NDF: 76.7/62

- sign -410.284+/-158.513 χ^2/NDF: 22.4/31

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 691.914+/-0.144 χ^2/NDF:510977.6/14

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

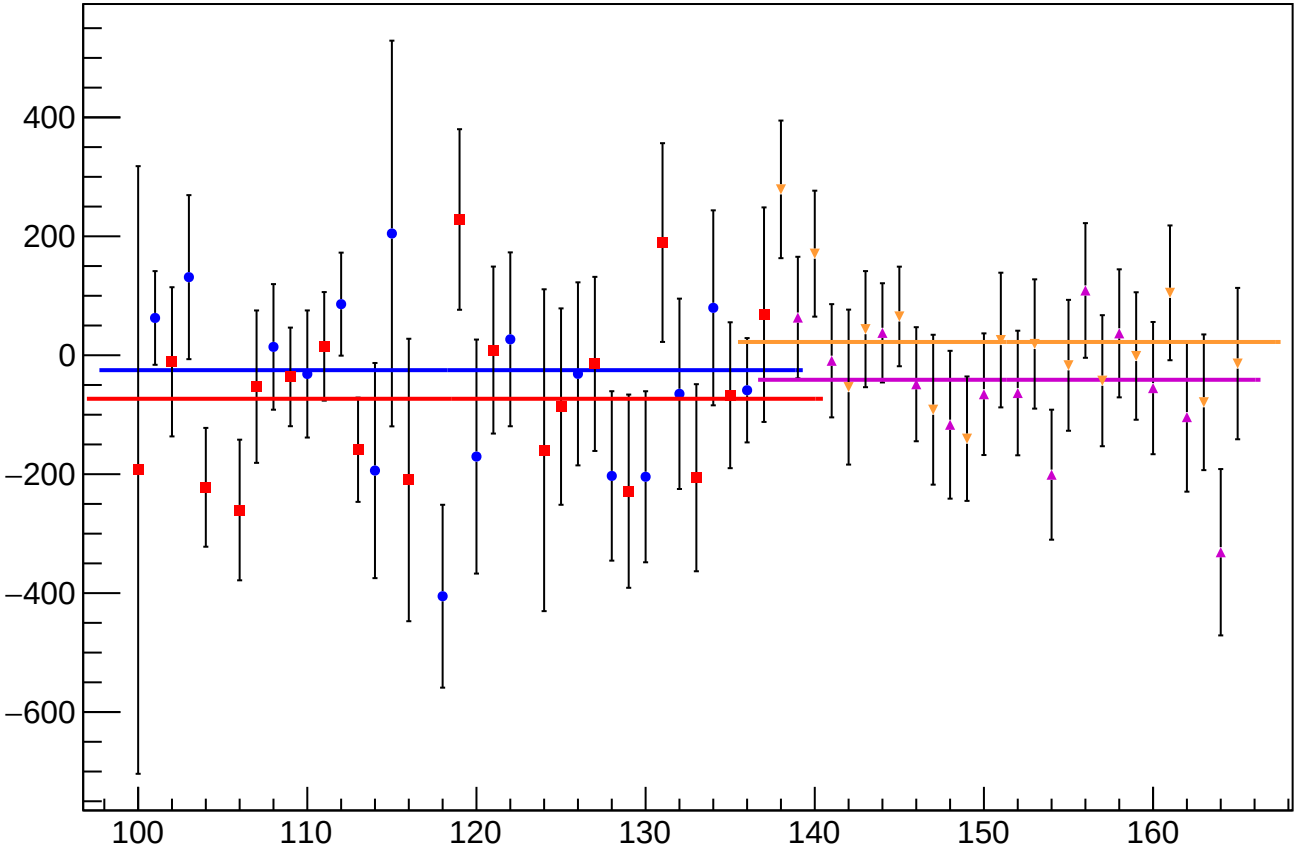
Left In: 694.267+/-0.150 χ^2/NDF:344331.8/12

+ sign 672.410+/-0.113 χ^2/NDF: 2433094.9/30

All: 662.676+/-0.080 χ^2/NDF: 5040159.4/62

- sign 653.106+/-0.112 χ^2/NDF: 2592358.6/31

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 22.328+/-28.220 χ^2/NDF:12.7/14

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

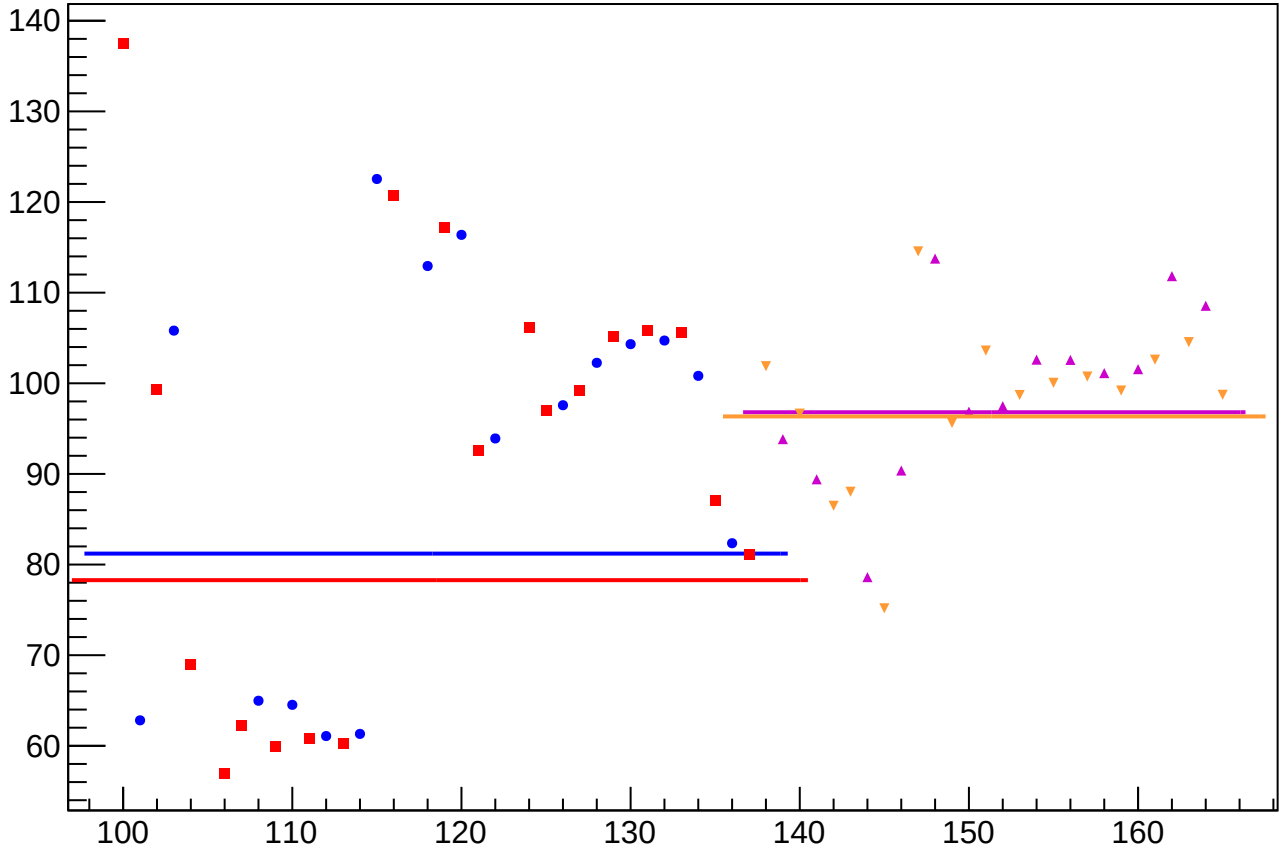
Left In: -41.258+/-29.443 χ^2/NDF:11.5/12

+ sign 1.020+/-20.938 χ^2/NDF: 30.2/30

All: -27.896+/-14.824 χ^2/NDF: 62.8/62

- sign -56.960+/-20.992 χ^2/NDF: 28.8/31

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.344+/-0.020 χ^2/NDF:233430.3/14

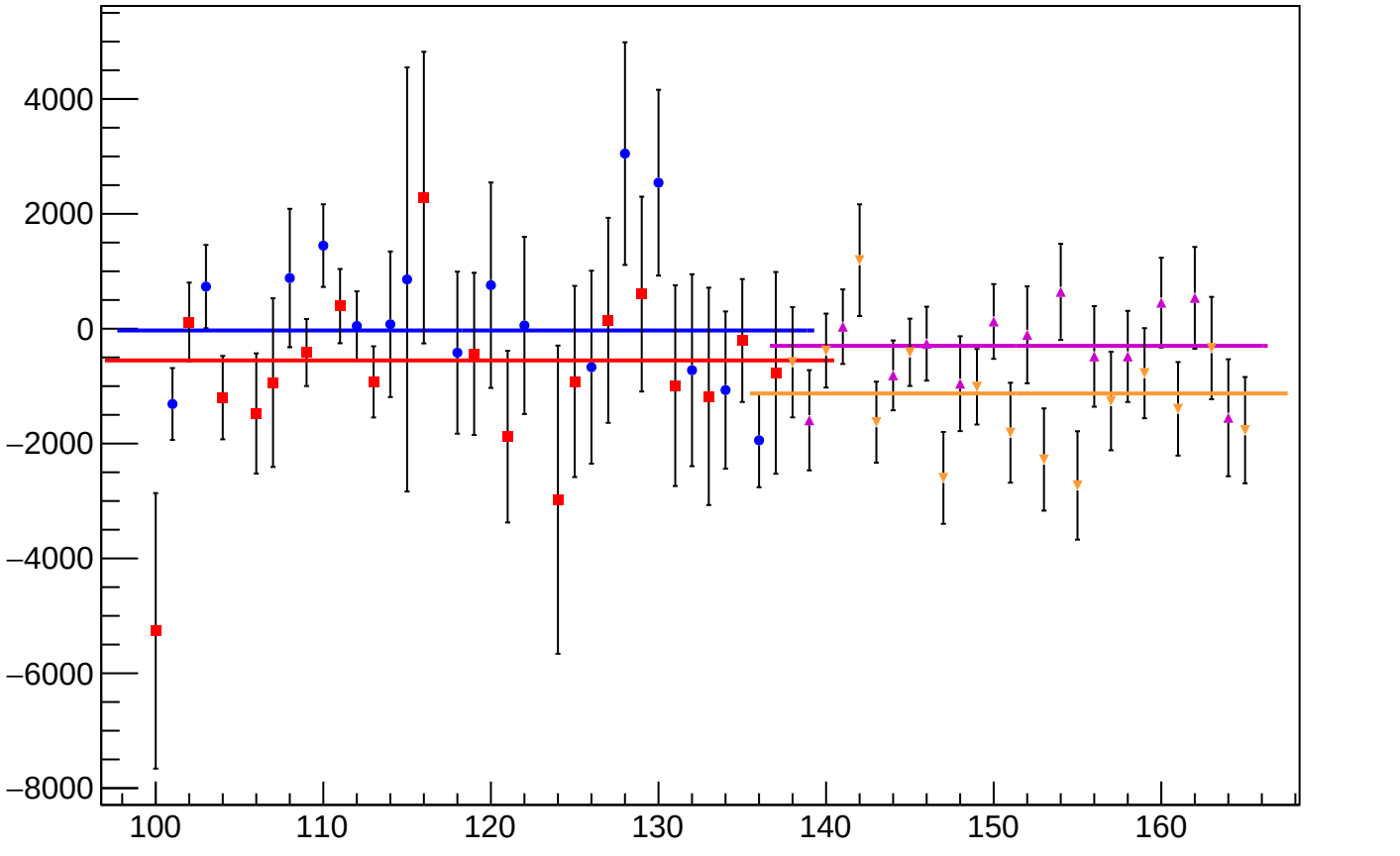
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

+ sign 89.541+/-0.015 χ^2/NDF: 1279669.8/30

All: 88.621+/-0.010 χ^2/NDF: 2829242.6/62

- sign 87.696+/-0.015 χ^2/NDF: 1541830.8/31



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1127.932+/-204.173 χ^2/NDF:19.5/14

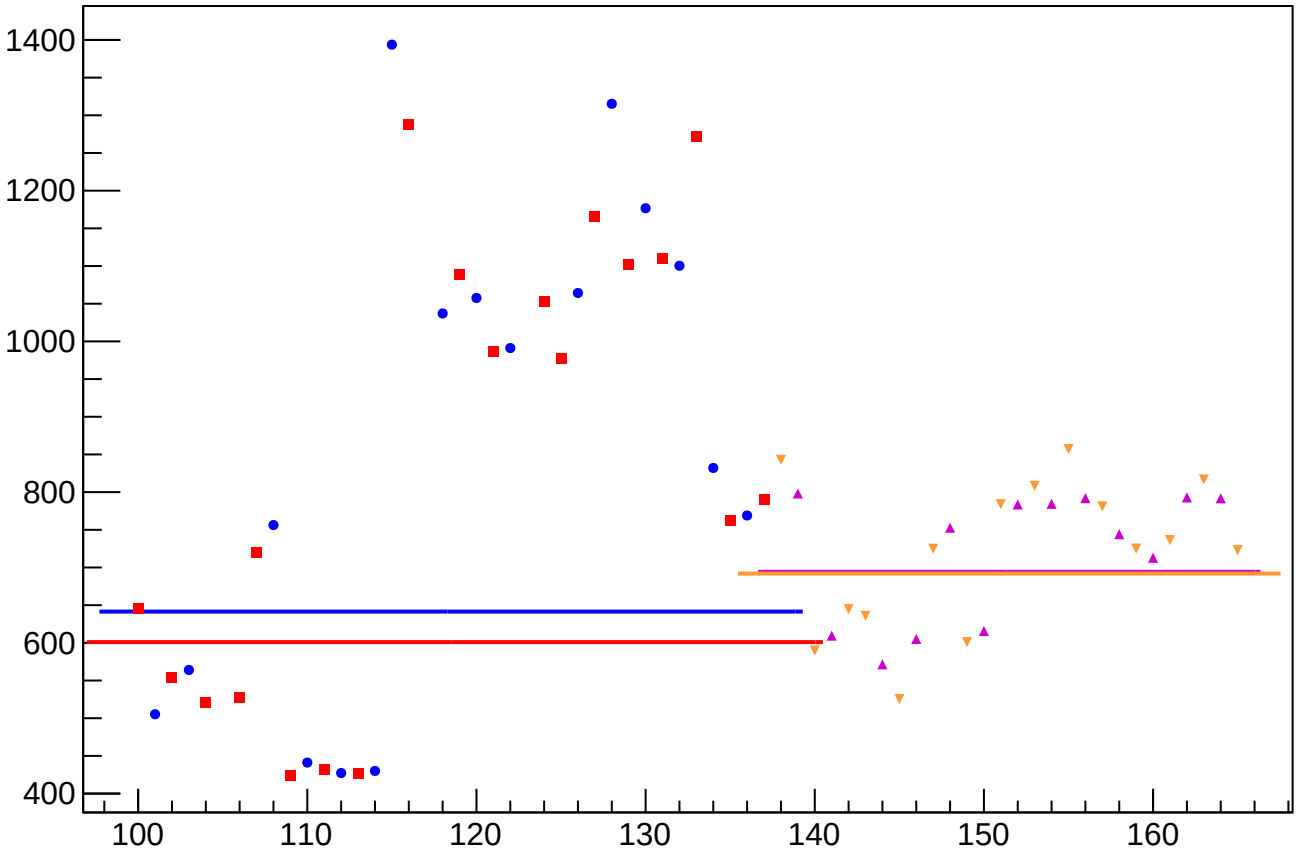
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -298.430+/-212.052 χ^2/NDF:9.0/12

+ sign -703.277+/-159.865 χ^2/NDF: 52.6/30

All: -555.537+/-112.561 χ^2/NDF: 76.7/62

- sign -410.284+/-158.513 χ^2/NDF: 22.4/31



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 691.914+/-0.144 χ^2/NDF:510977.6/14

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

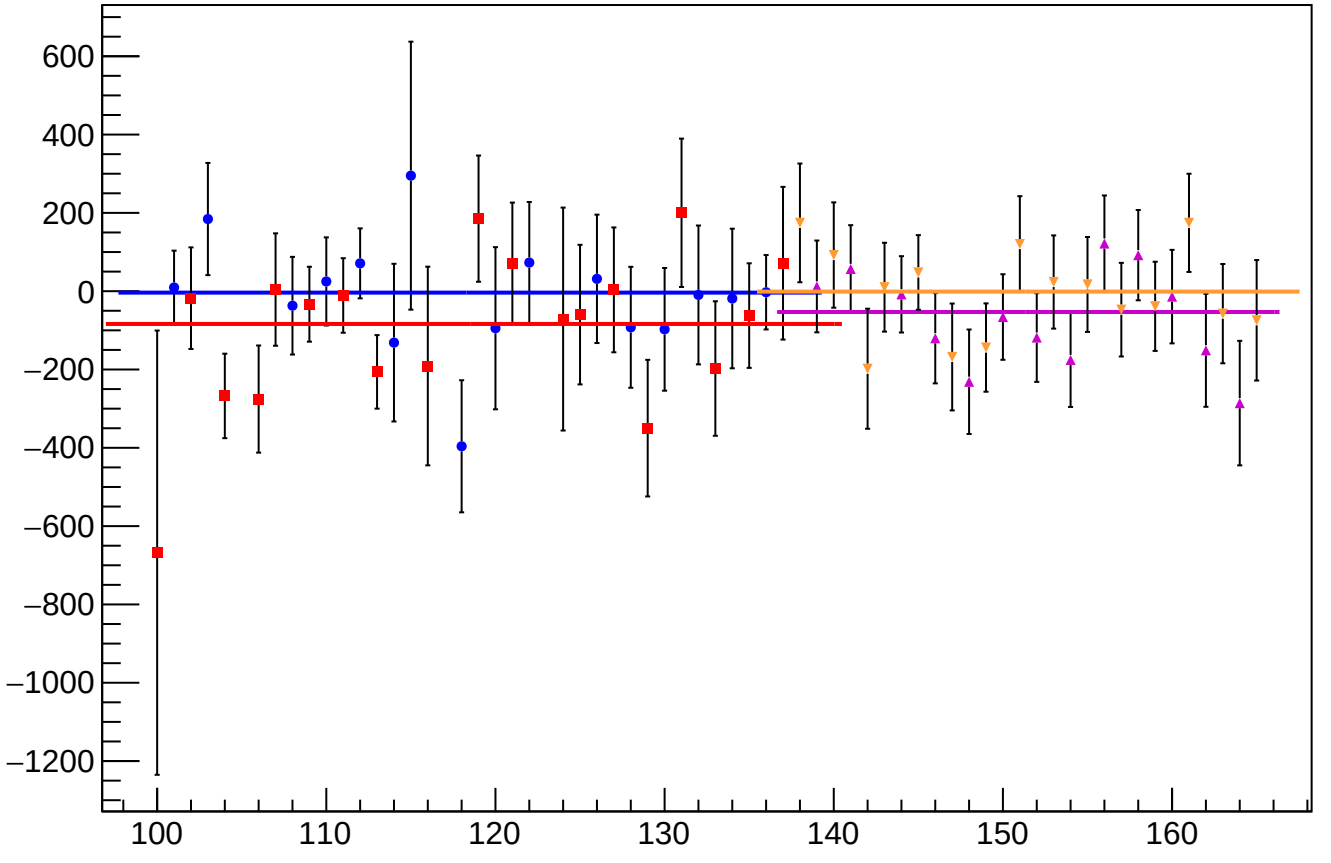
Left In: 694.267+/-0.150 χ^2/NDF:344331.8/12

+ sign 672.410+/-0.113 χ^2/NDF: 2433094.9/30

All: 662.676+/-0.080 χ^2/NDF: 5040159.4/62

- sign 653.106+/-0.112 χ^2/NDF: 2592358.6/31

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -1.020+/-31.911 χ^2/NDF:10.5/14

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

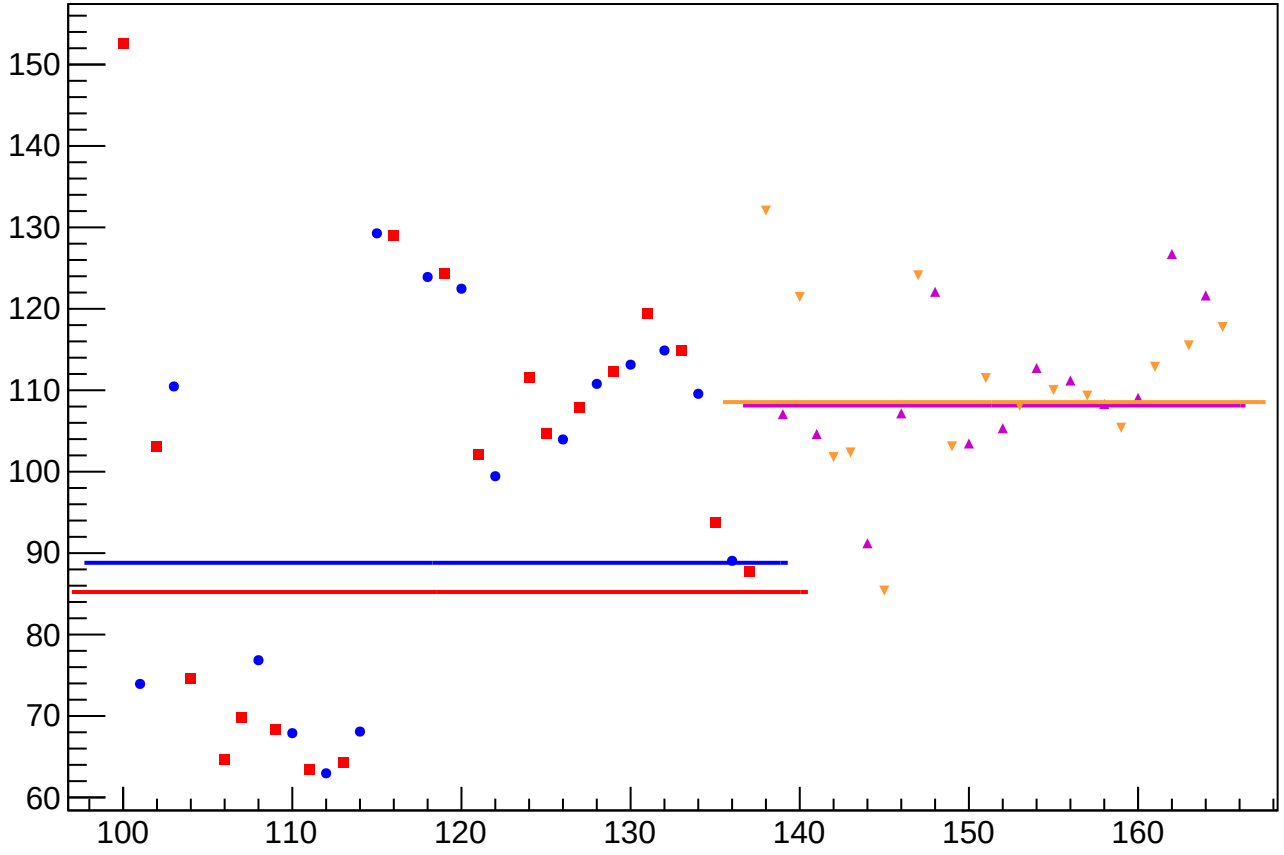
Left In: -53.110+/-32.972 χ^2/NDF:11.3/12

+ sign -2.239+/-23.317 χ^2/NDF: 20.9/30

All: -35.570+/-16.444 χ^2/NDF: 55.8/62

- sign -68.551+/-23.194 χ^2/NDF: 30.8/31

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.548+/-0.023 χ^2/NDF:243756.7/14

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

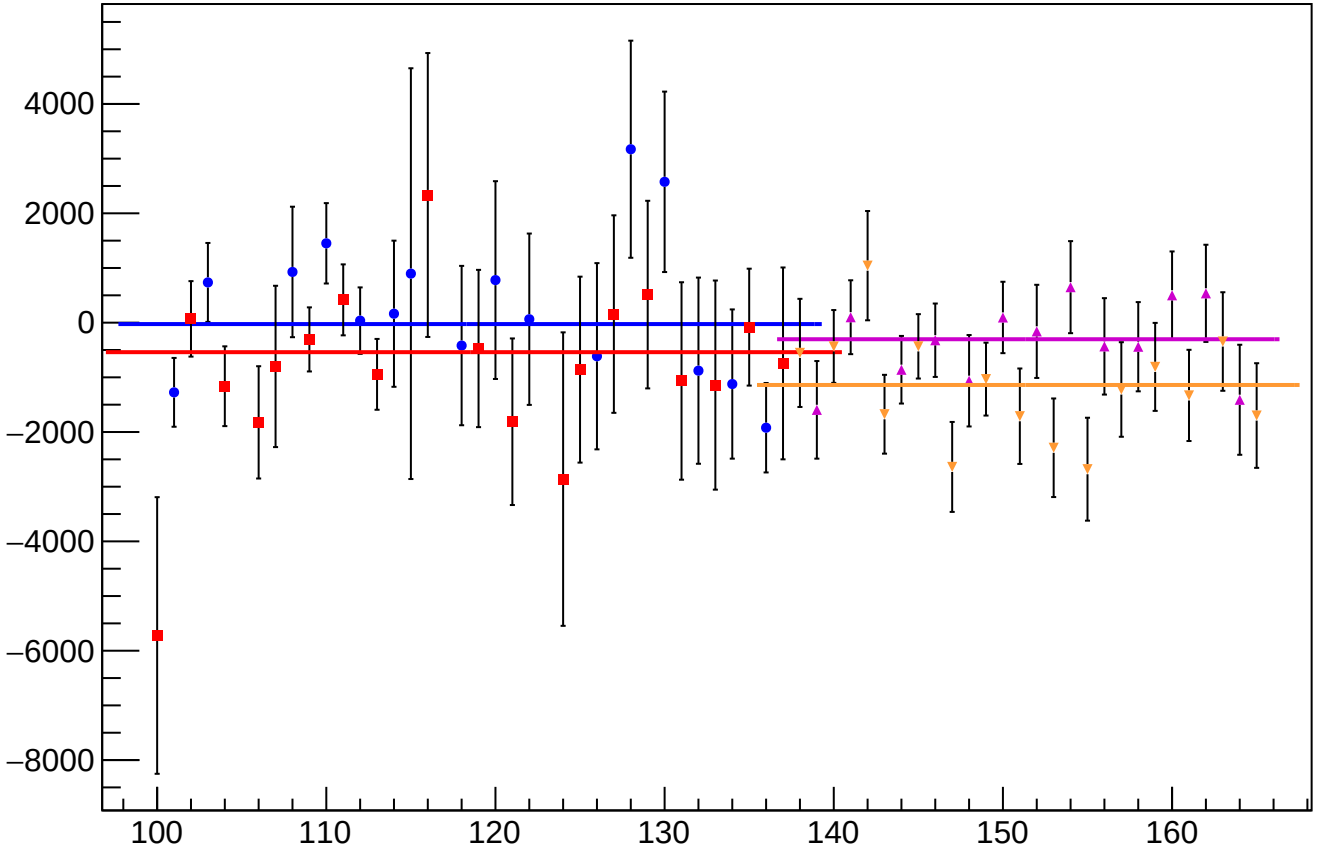
Left In: 108.124+/-0.023 χ^2/NDF:141257.2/12

+ sign 99.350+/-0.016 χ^2/NDF: 1324911.9/30

All: 97.945+/-0.012 χ^2/NDF: 2851999.2/62

- sign 96.556+/-0.016 χ^2/NDF: 1512654.9/31

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1139.602+/-207.919 χ^2/NDF:17.7/14

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

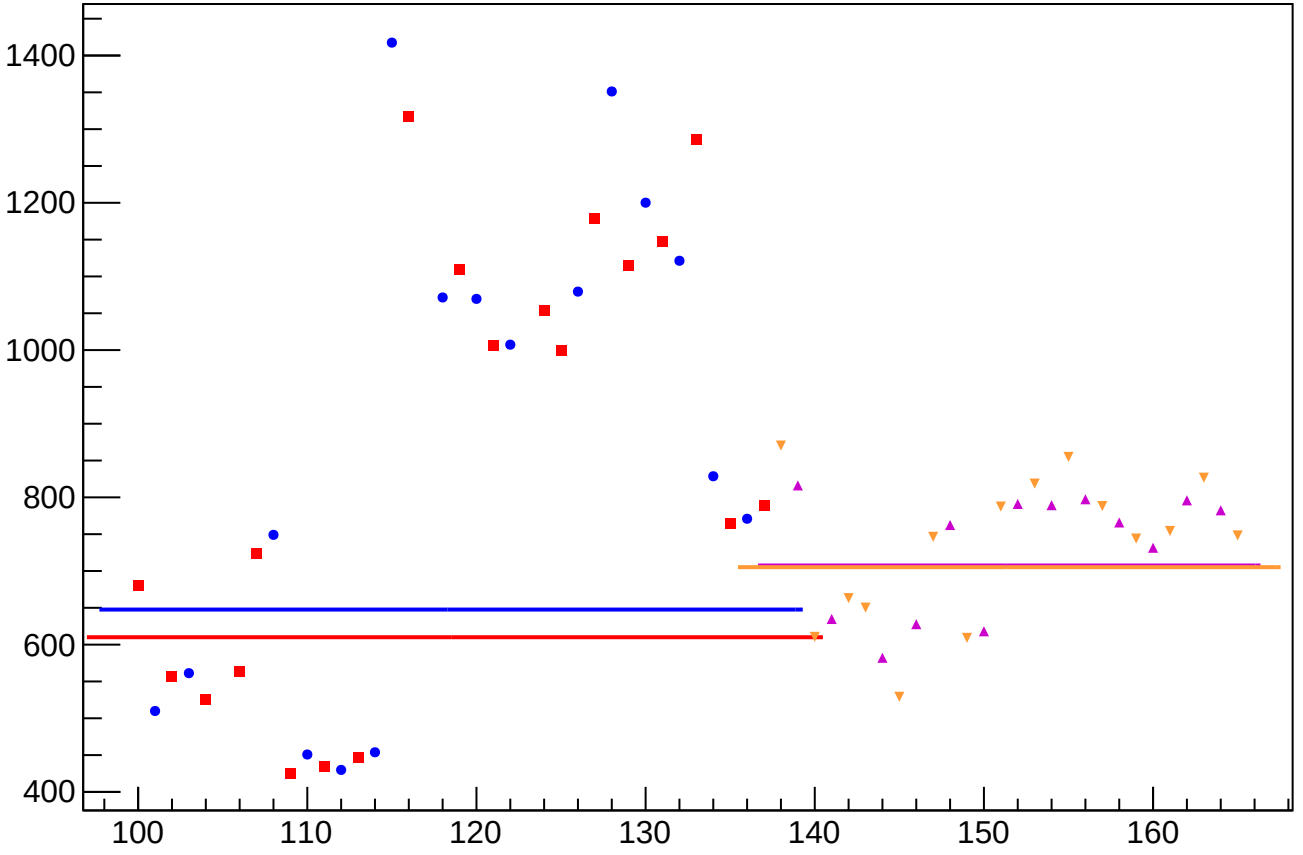
Left In: -303.100+/-215.949 χ^2/NDF:8.9/12

+ sign -703.920+/-162.236 χ^2/NDF: 50.4/30

All: -554.899+/-114.243 χ^2/NDF: 75.2/62

- sign -408.323+/-160.900 χ^2/NDF: 23.1/31

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 705.175+/-0.147 χ^2/NDF:507128.3/14

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

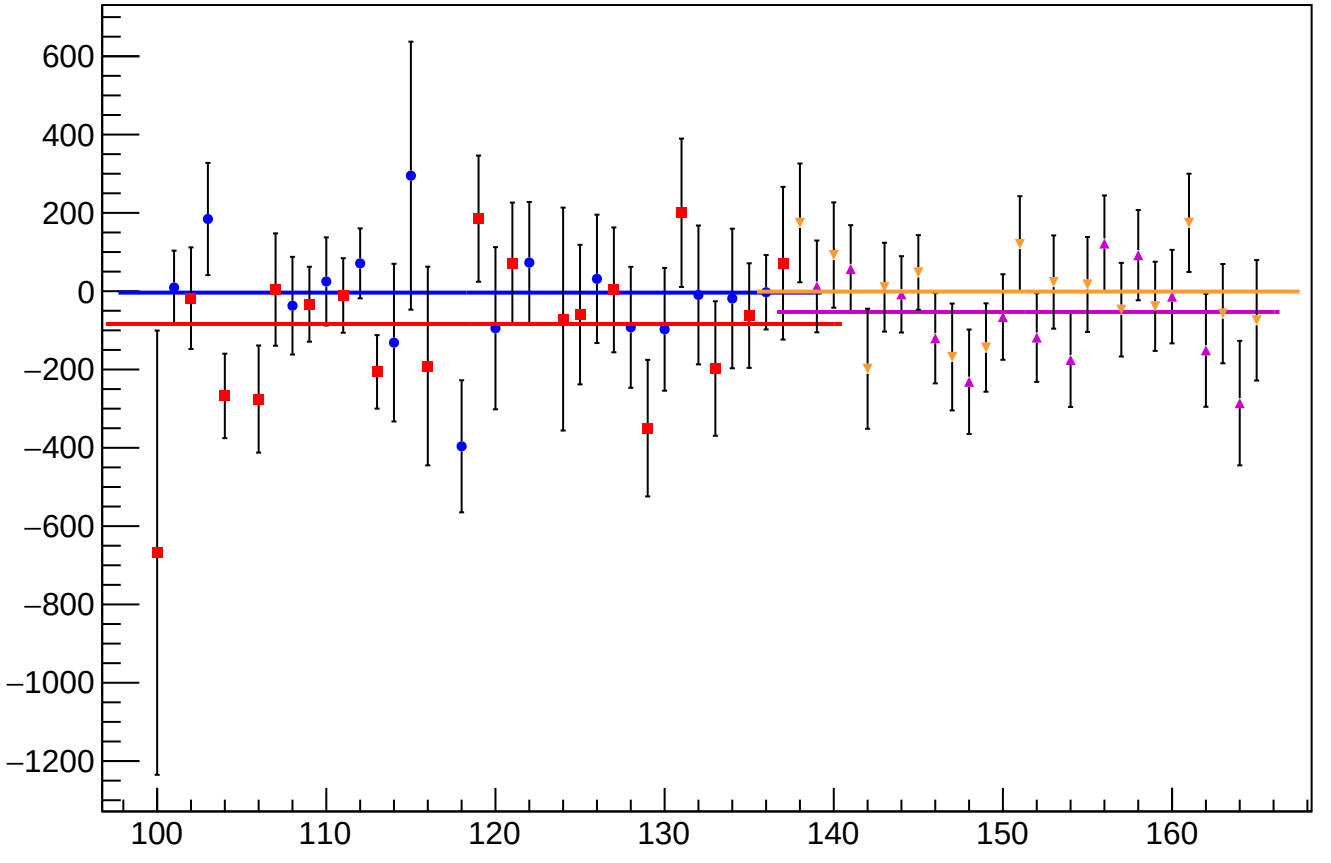
Left In: 707.475+/-0.153 χ^2/NDF:311175.2/12

+ sign 682.670+/-0.115 χ^2/NDF: 2454847.3/30

All: 673.328+/-0.081 χ^2/NDF: 5034472.5/62

- sign 664.140+/-0.114 χ^2/NDF: 2566471.8/31

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -1.018+/-31.911 χ^2/NDF:10.5/14

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

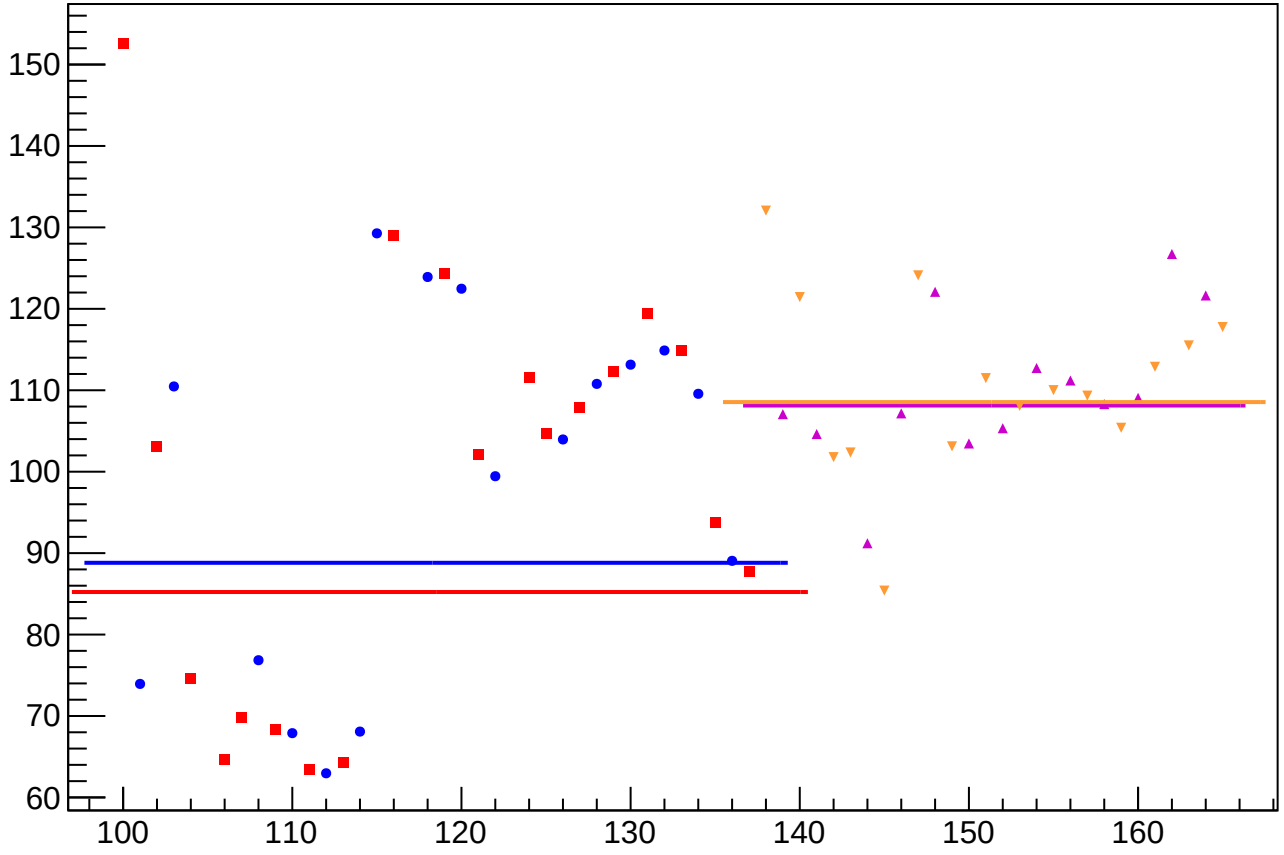
Left In: -53.110+/-32.972 χ^2/NDF:11.3/12

+ sign -2.237+/-23.317 χ^2/NDF: 20.9/30

All: -35.570+/-16.444 χ^2/NDF: 55.8/62

- sign -68.551+/-23.194 χ^2/NDF: 30.8/31

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.549+/-0.023 χ^2/NDF:243755.2/14

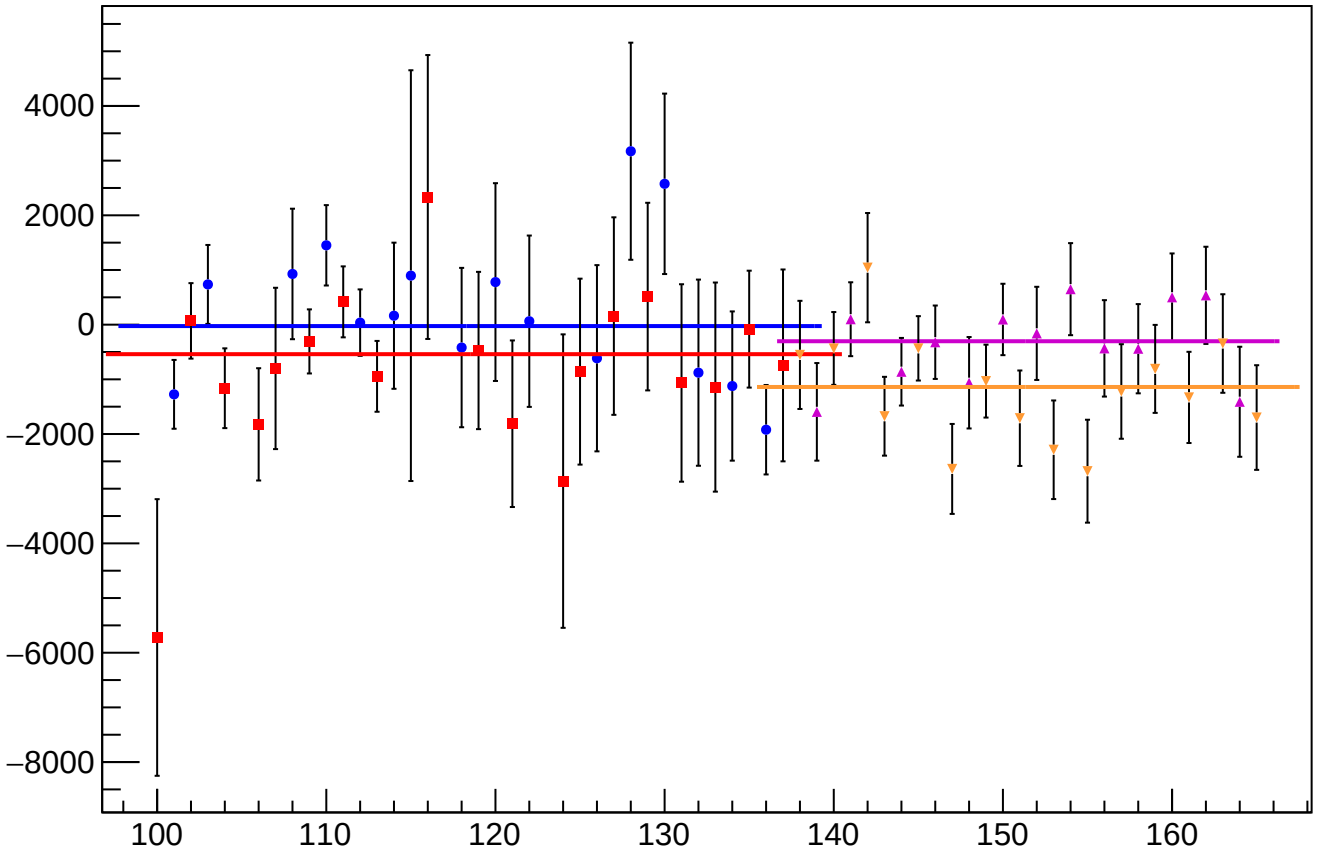
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.124+/-0.023 χ^2/NDF:141255.3/12

+ sign 99.350+/-0.016 χ^2/NDF: 1324918.0/30

All: 97.945+/-0.012 χ^2/NDF: 2852015.0/62

- sign 96.556+/-0.016 χ^2/NDF: 1512664.4/31



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1139.600+/-207.919 χ^2/NDF:17.7/14

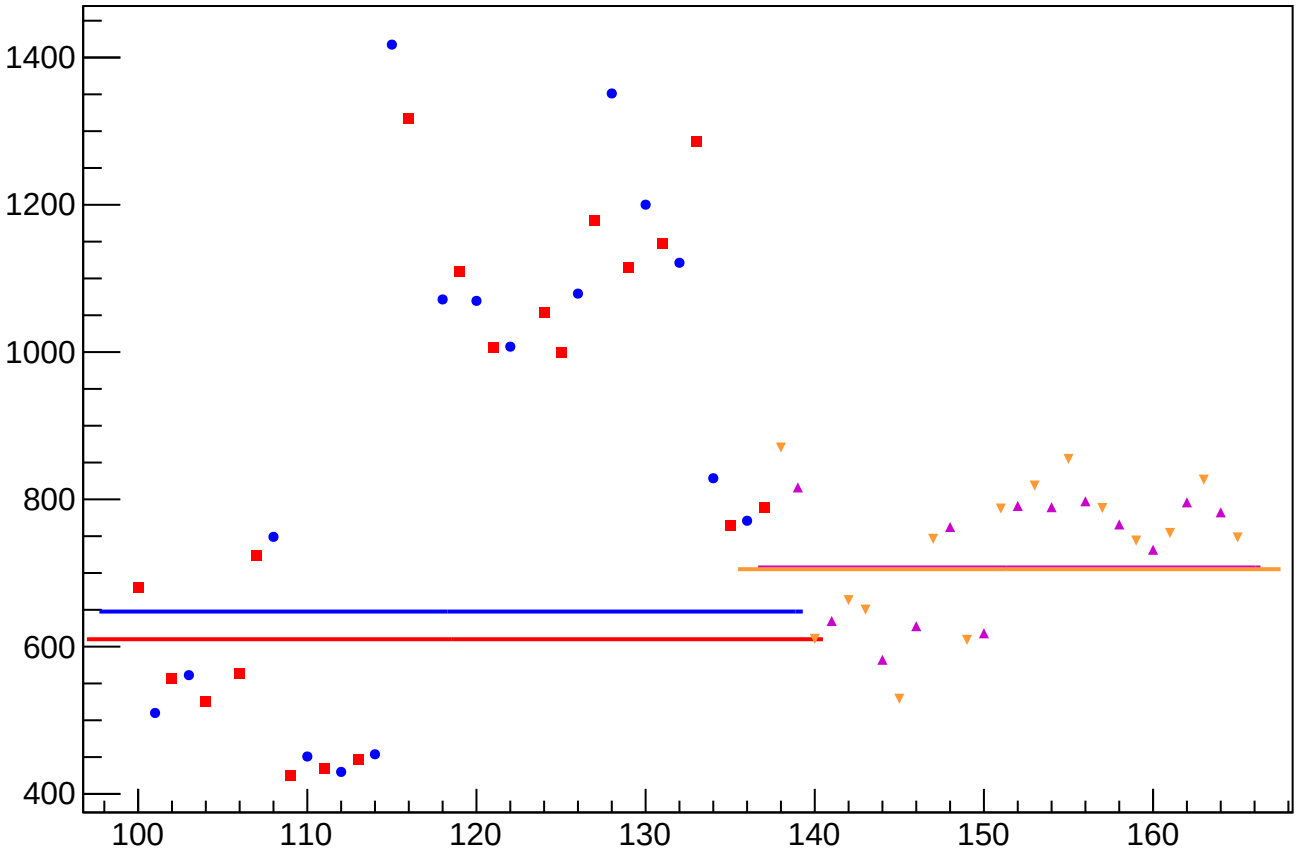
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -303.099+/-215.949 χ^2/NDF:8.9/12

+ sign -703.919+/-162.236 χ^2/NDF: 50.4/30

All: -554.898+/-114.243 χ^2/NDF: 75.2/62

- sign -408.323+/-160.899 χ^2/NDF: 23.1/31



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 705.175+/-0.147 χ^2/NDF:507129.1/14

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

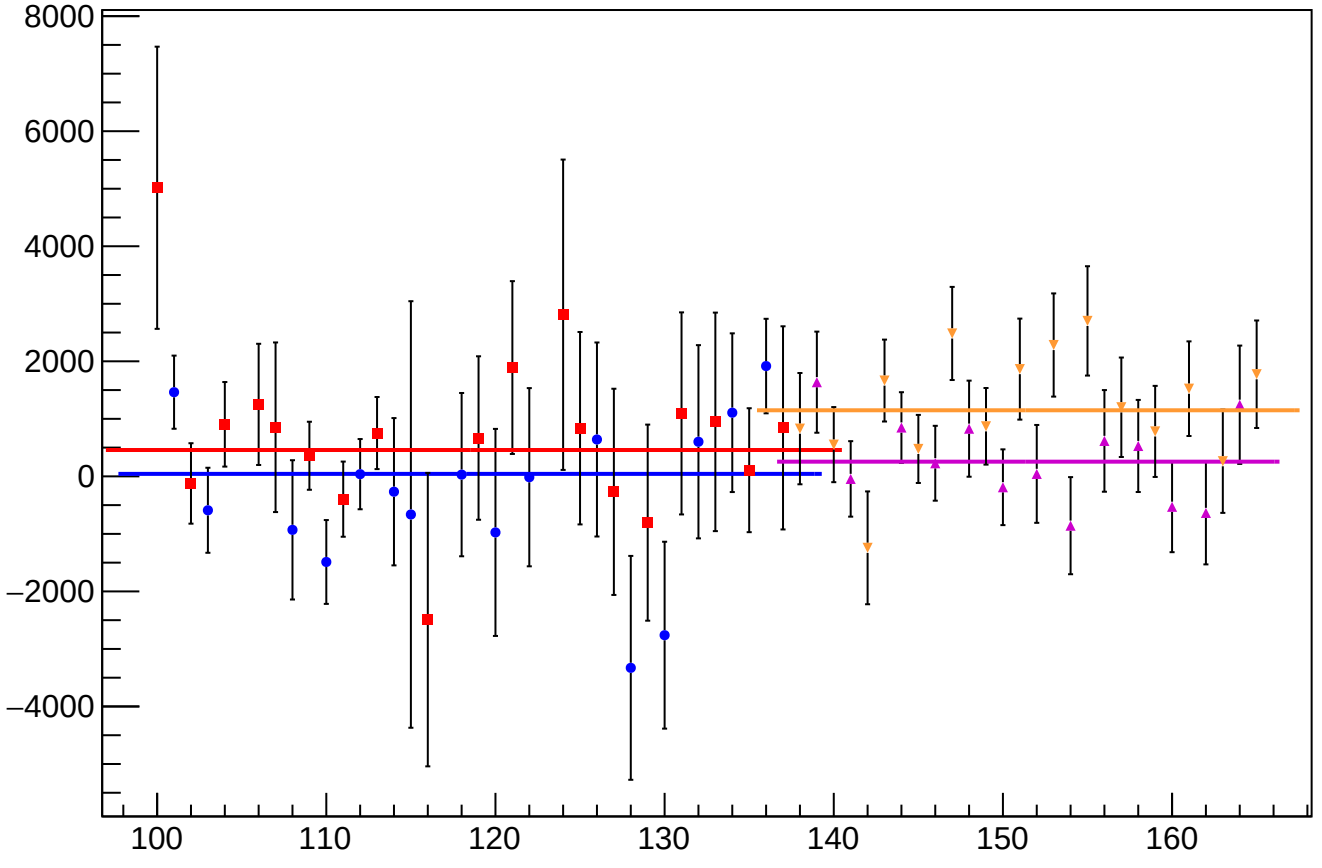
Left In: 707.475+/-0.153 χ^2/NDF:311172.6/12

+ sign 682.670+/-0.115 χ^2/NDF: 2454853.6/30

All: 673.328+/-0.081 χ^2/NDF: 5034480.9/62

- sign 664.140+/-0.114 χ^2/NDF: 2566473.9/31

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1148.645+/-206.234 χ^2/NDF:18.4/14

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

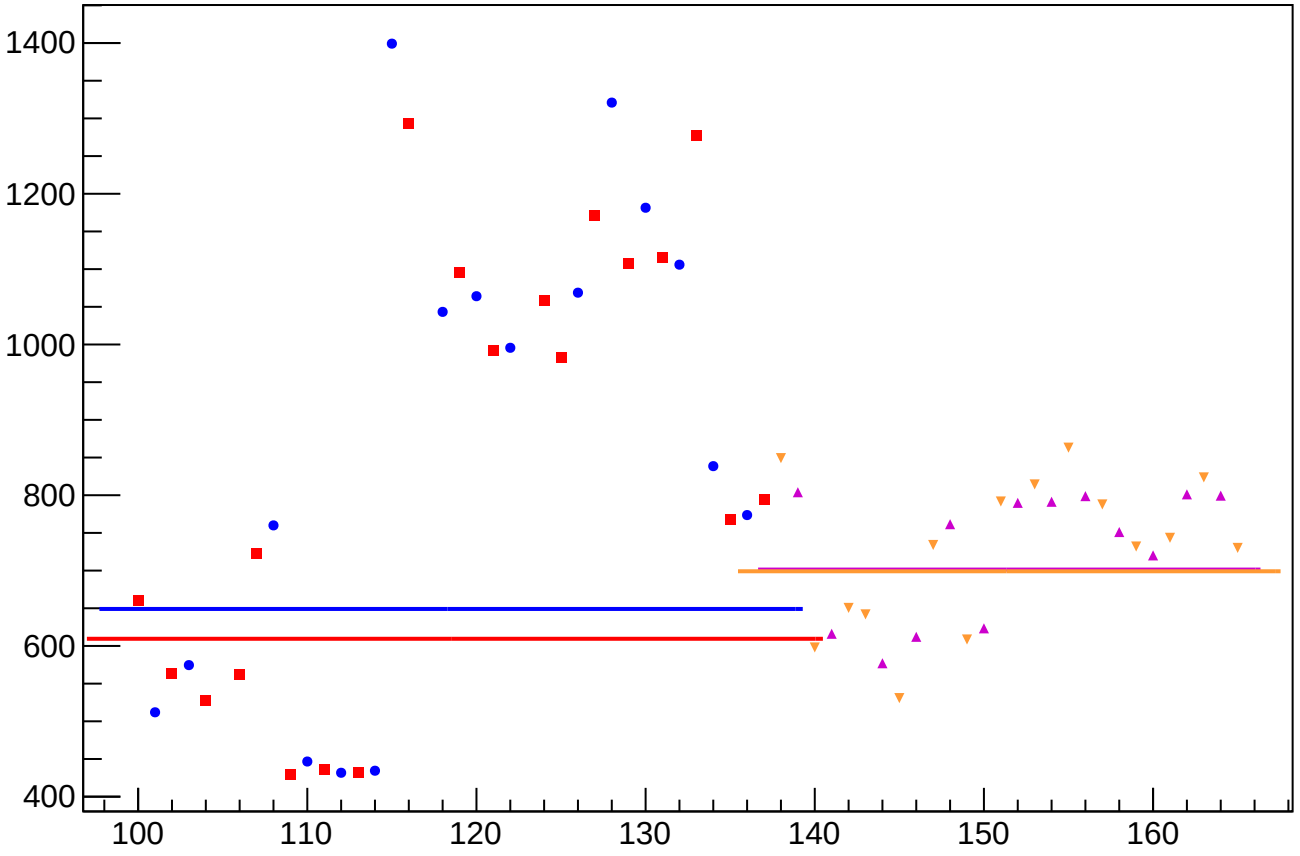
Left In: 255.410+/-214.176 χ^2/NDF:9.5/12

+ sign 721.301+/-161.527 χ^2/NDF: 52.7/30

All: 531.416+/-113.718 χ^2/NDF: 76.6/62

- sign 344.808+/-160.127 χ^2/NDF: 21.2/31

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 699.085+/-0.146 χ^2/NDF:502287.2/14

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

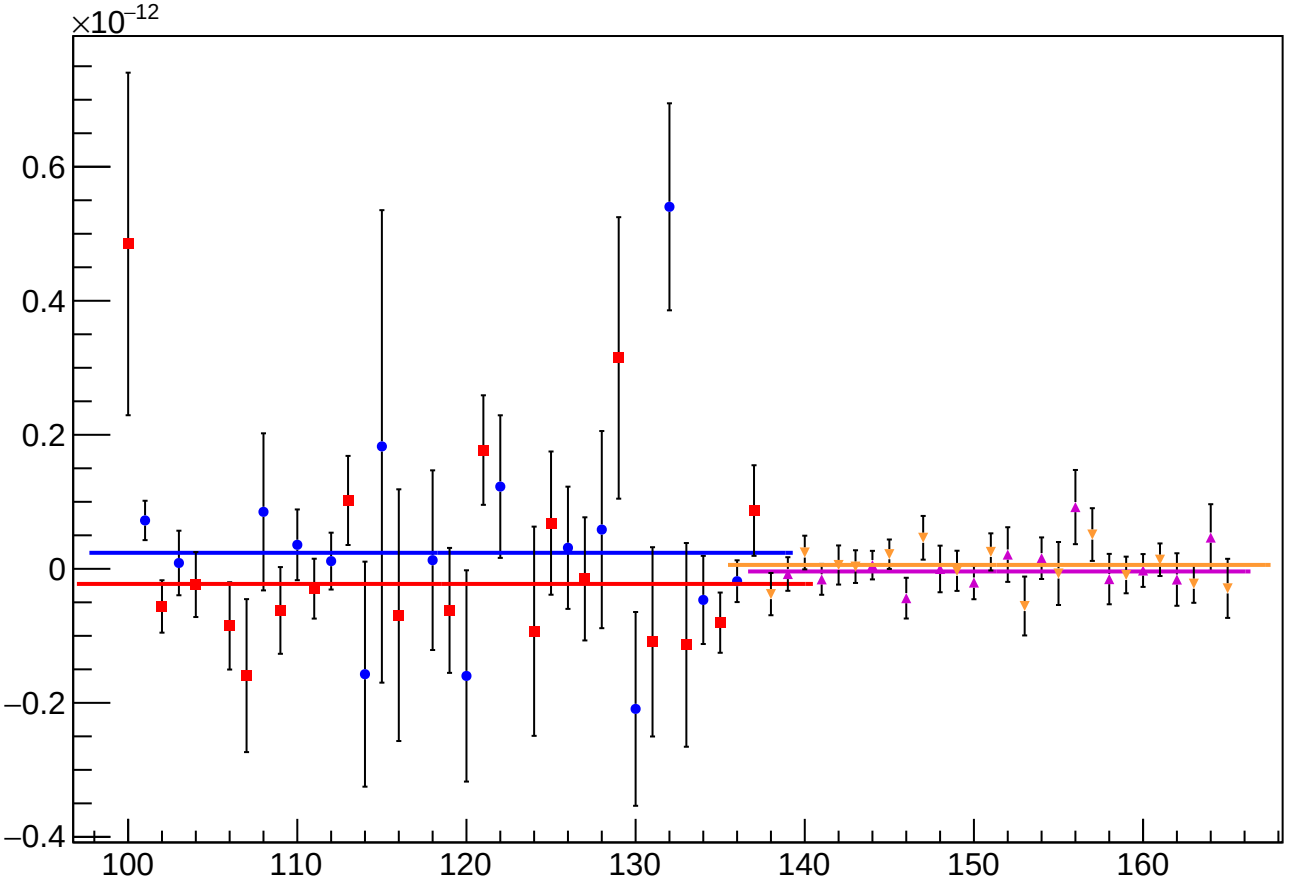
Left In: 701.343+/-0.151 χ^2/NDF:339733.0/12

+ sign 679.759+/-0.114 χ^2/NDF: 2393535.4/30

All: 670.219+/-0.080 χ^2/NDF: 4952833.4/62

- sign 660.845+/-0.113 χ^2/NDF: 2545467.2/31

asym_sam_1548_avg_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:10.5/14

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

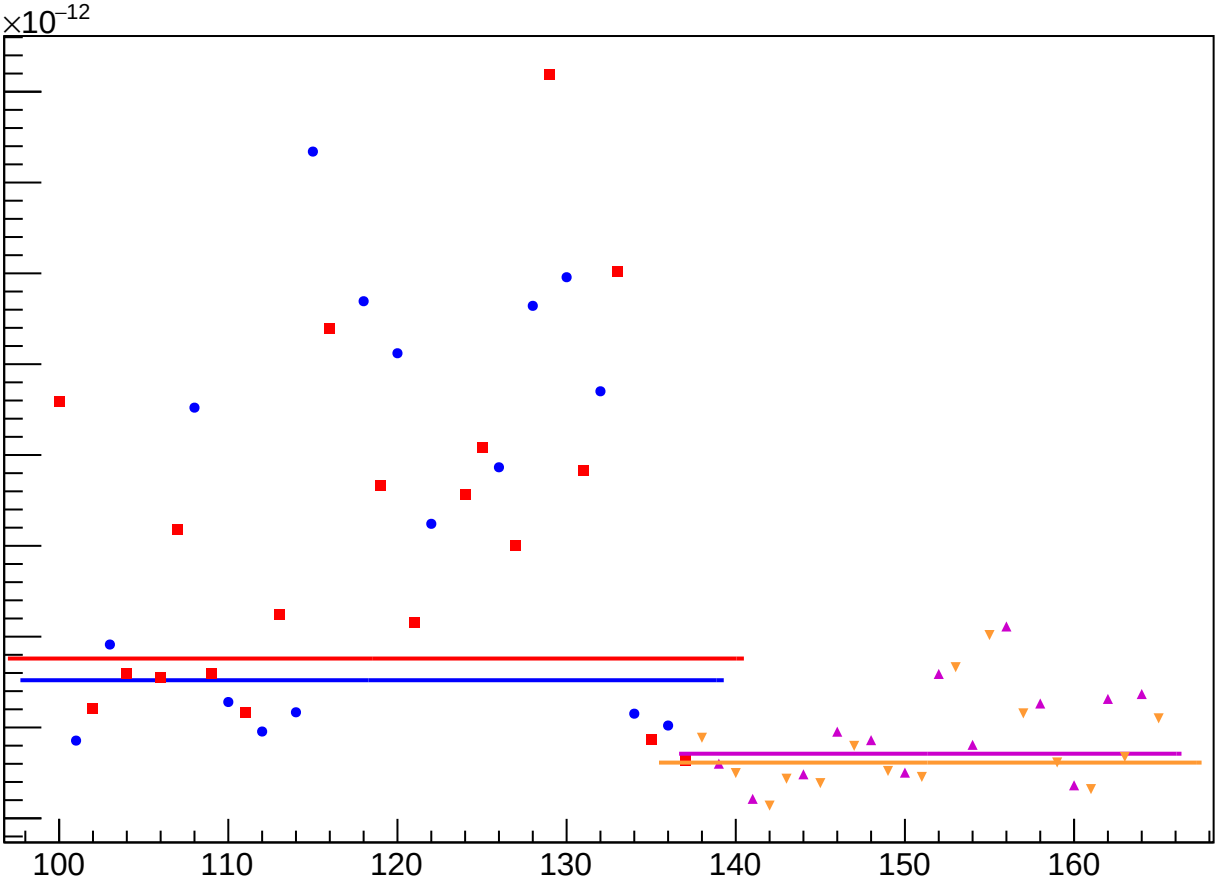
Left In: -0.000+/-0.000 χ^2/NDF:7.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/30

All: 0.000+/-0.000 χ^2/NDF: 72.5/62

- sign -0.000+/-0.000 χ^2/NDF: 34.4/31

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:503397.7/14

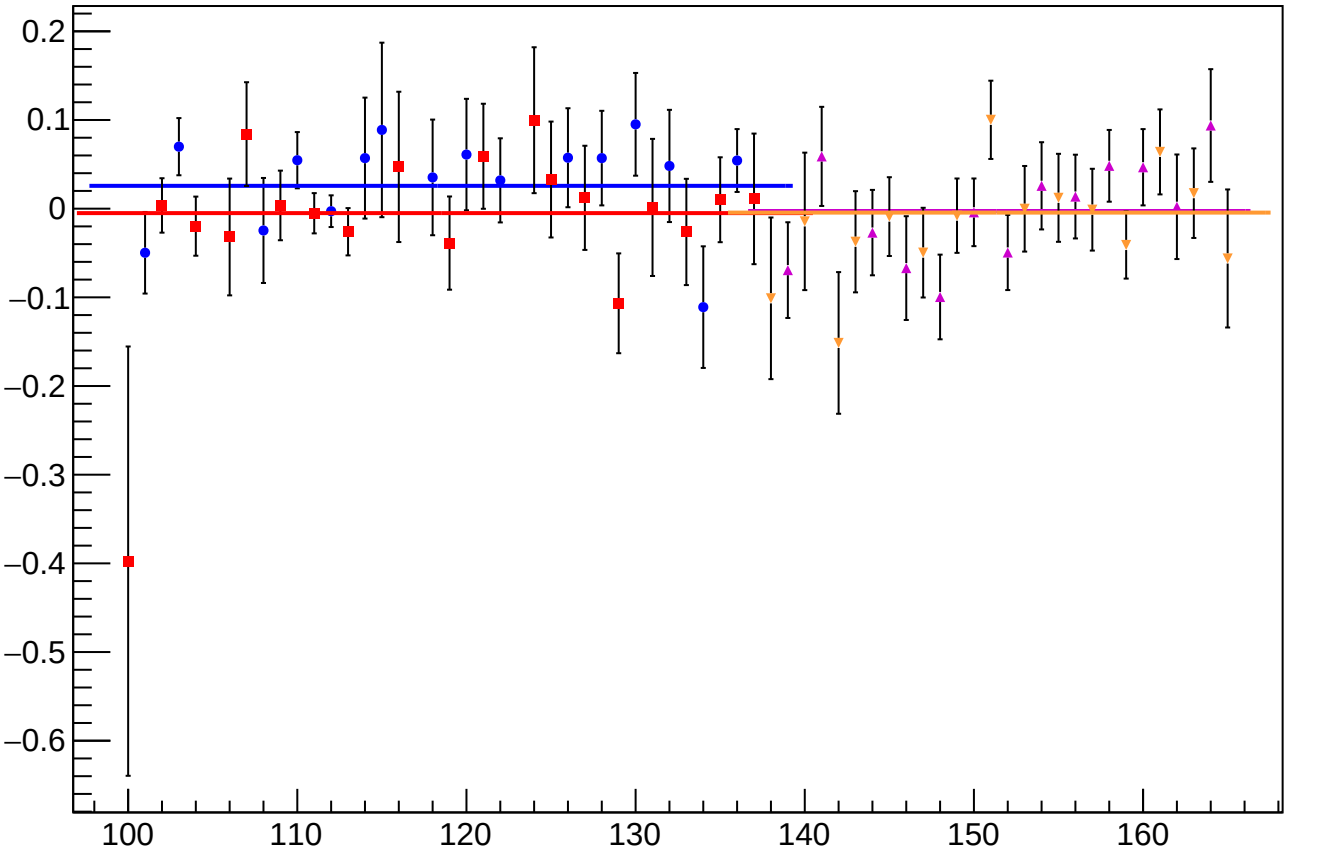
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:538579.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 2384283.0/30

All: 0.000+/-0.000 χ^2/NDF: 4599349.1/62

- sign 0.000+/-0.000 χ^2/NDF: 2181466.7/31



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.013 χ^2/NDF:15.0/14

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

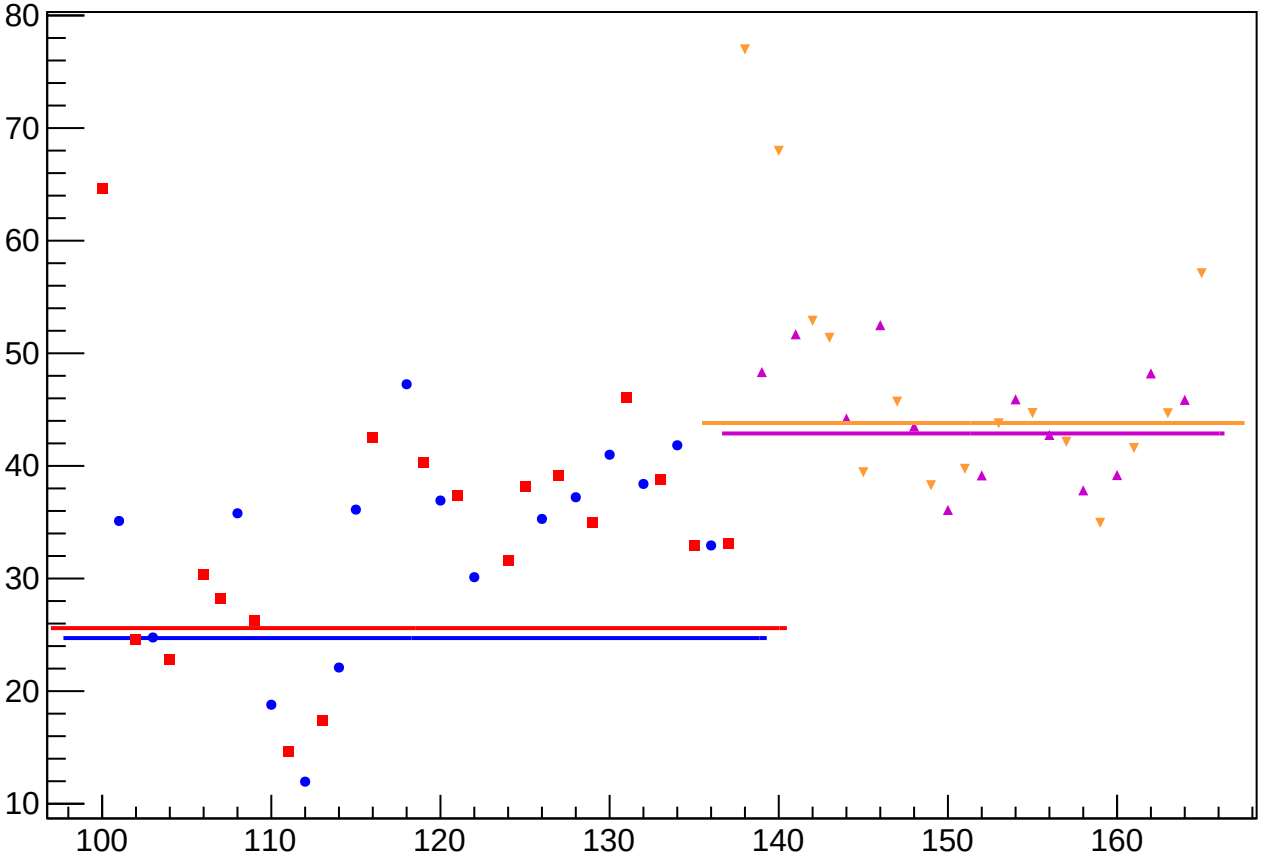
Left In: -0.003+/-0.013 χ^2/NDF:15.2/12

+ sign 0.014+/-0.008 χ^2/NDF: 34.8/30

All: 0.005+/-0.006 χ^2/NDF: 66.1/62

- sign -0.004+/-0.008 χ^2/NDF: 28.8/31

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.813+/-0.009 χ^2/NDF:770295.2/14

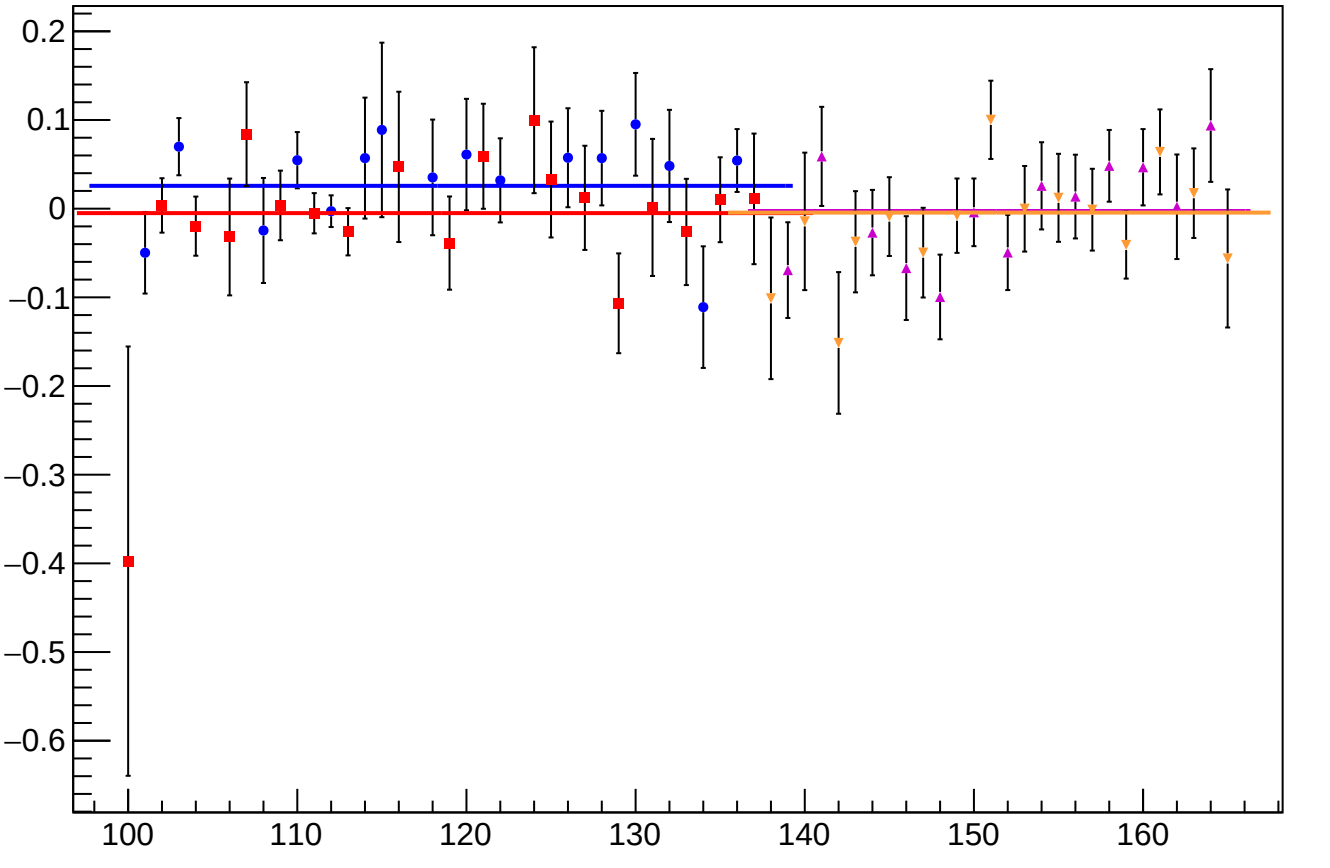
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.881+/-0.009 χ^2/NDF:279059.7/12

+ sign 31.978+/-0.006 χ^2/NDF: 5653223.6/30

All: 32.033+/-0.004 χ^2/NDF: 9633317.1/62

- sign 32.089+/-0.006 χ^2/NDF: 3979909.7/31



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.013 χ^2/NDF:15.0/14

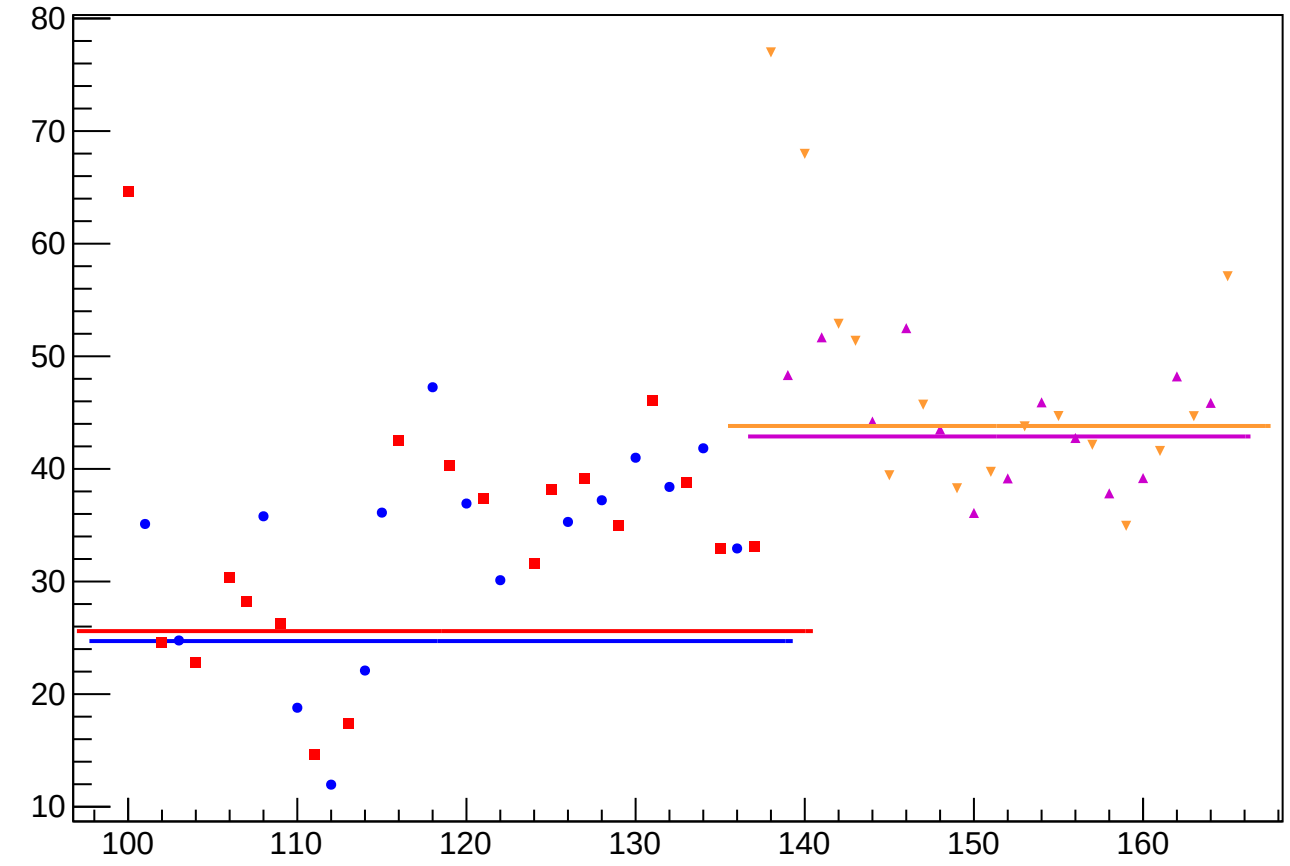
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.003+/-0.013 χ^2/NDF:15.2/12

+ sign 0.014+/-0.008 χ^2/NDF: 34.8/30

All: 0.005+/-0.006 χ^2/NDF: 66.1/62

- sign -0.004+/-0.008 χ^2/NDF: 28.8/31



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.813+/-0.009 χ^2/NDF:770295.2/14

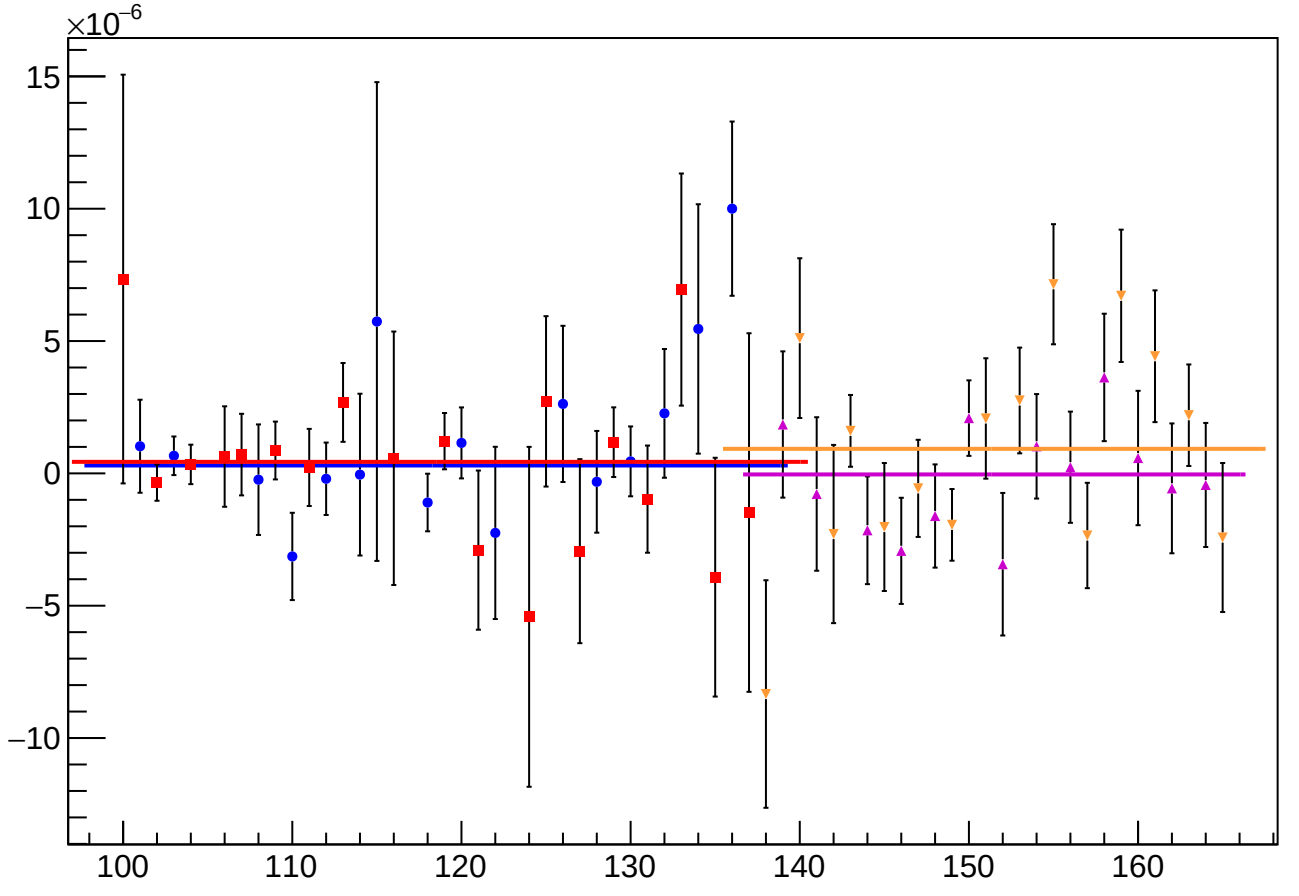
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.881+/-0.009 χ^2/NDF:279059.7/12

+ sign 31.978+/-0.006 χ^2/NDF: 5653223.6/30

All: 32.033+/-0.004 χ^2/NDF: 9633317.1/62

- sign 32.089+/-0.006 χ^2/NDF: 3979909.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.9/14

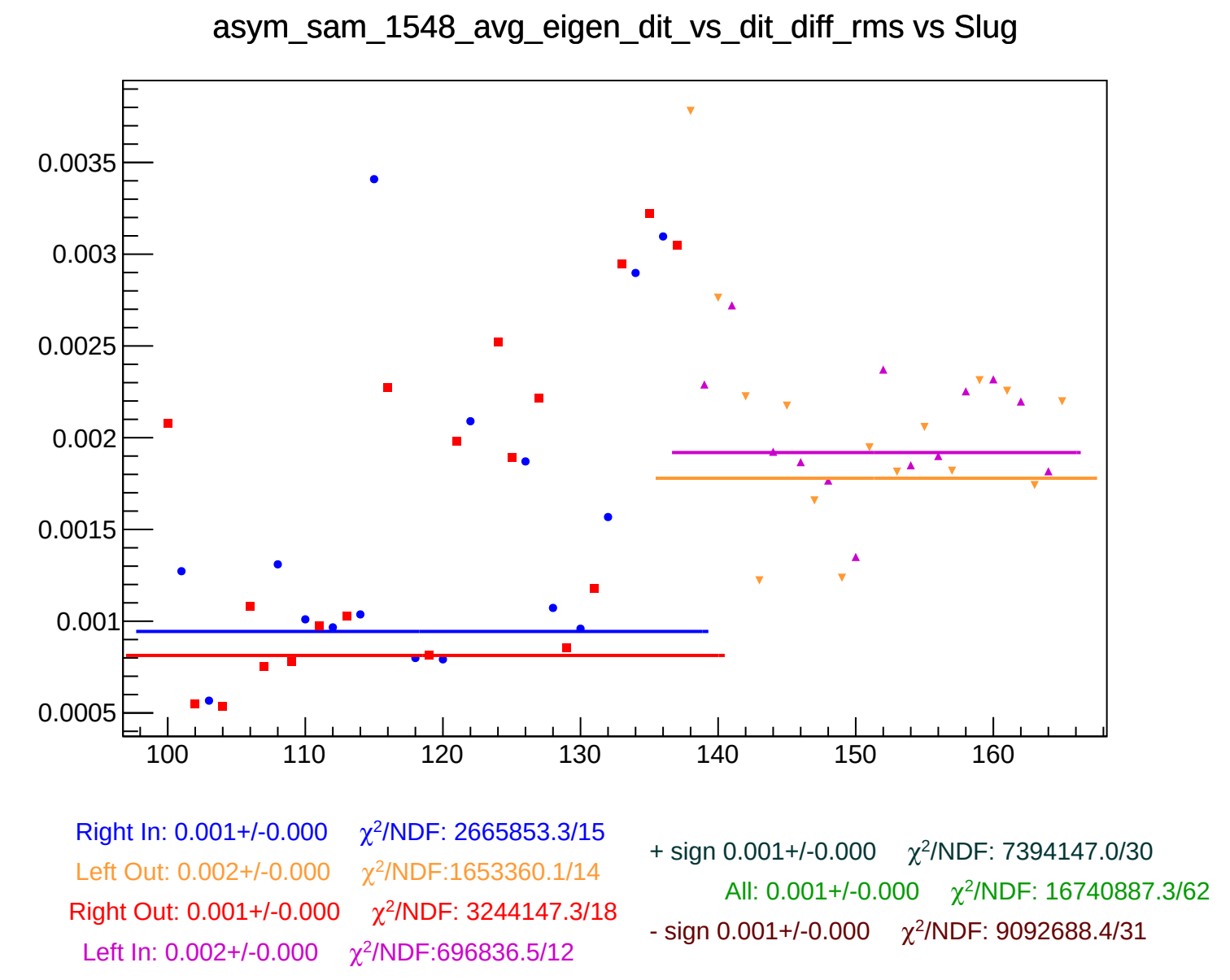
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

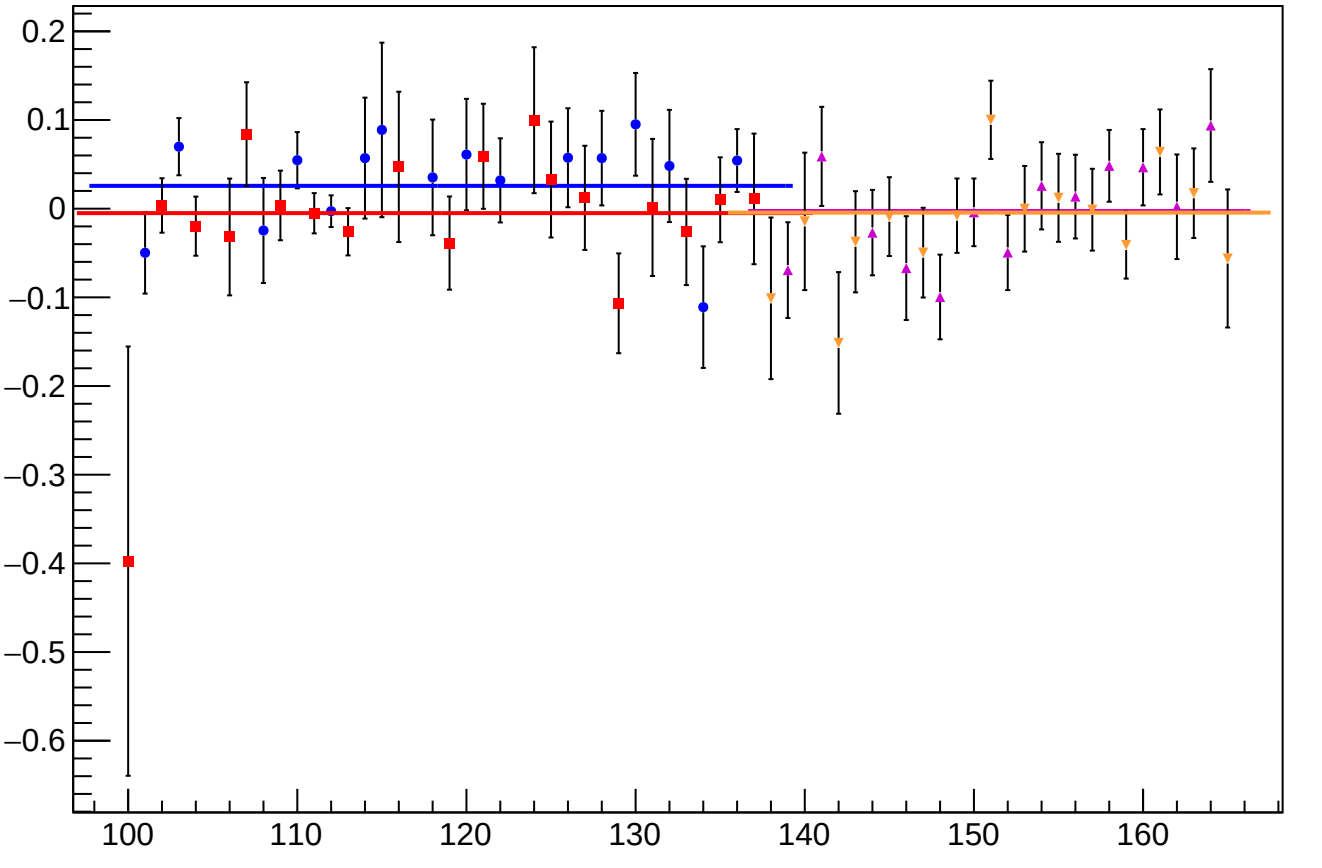
Left In: -0.000+/-0.000 χ^2/NDF:10.9/12

+ sign 0.000+/-0.000 χ^2/NDF: 55.0/30

All: 0.000+/-0.000 χ^2/NDF: 79.3/62

- sign 0.000+/-0.000 χ^2/NDF: 24.1/31


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1653360.1/14
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:696836.5/12
+ sign 0.001+/-0.000 χ²/NDF: 7394147.0/30
All: 0.001+/-0.000 χ²/NDF: 16740887.3/62
- sign 0.001+/-0.000 χ²/NDF: 9092688.4/31



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.013 χ^2/NDF:15.0/14

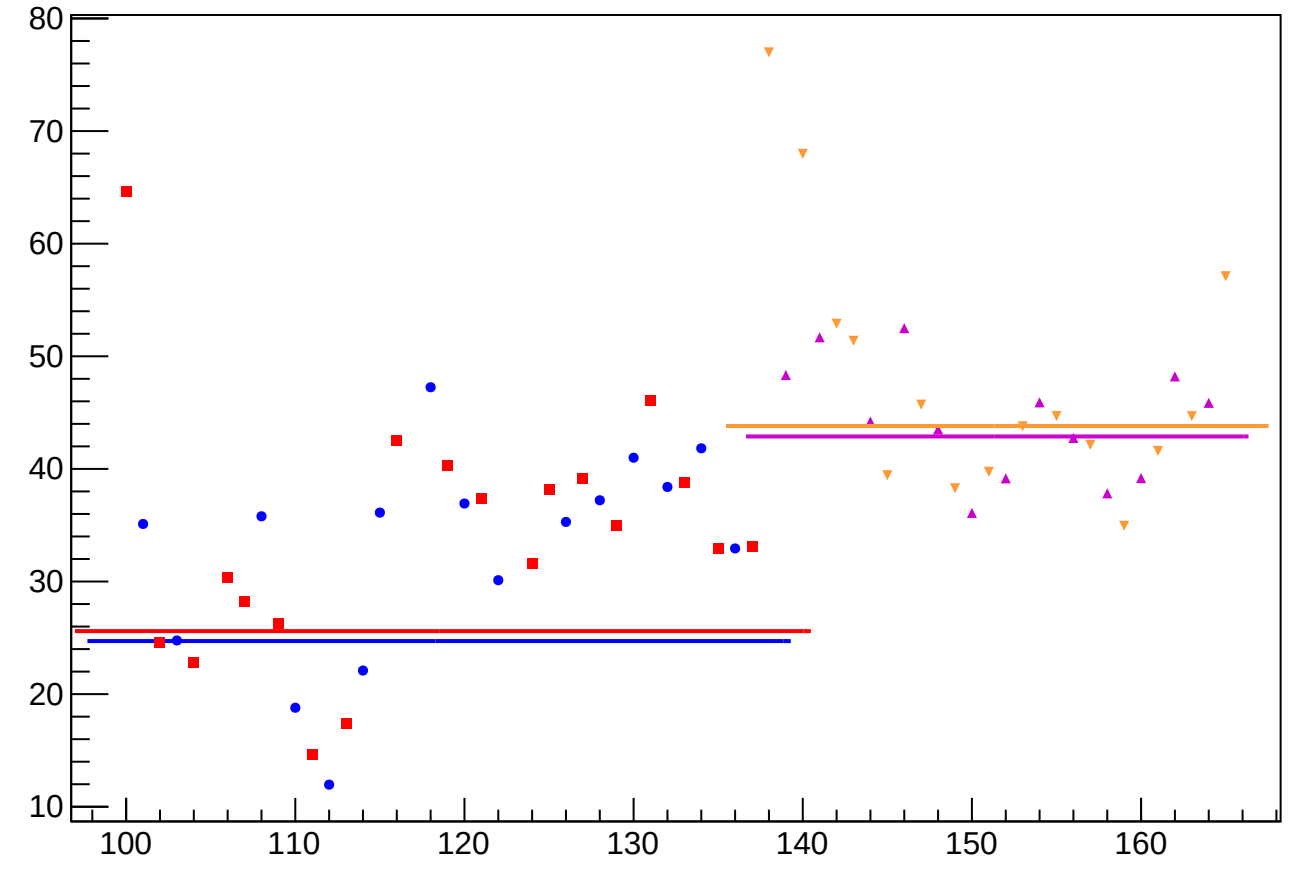
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.003+/-0.013 χ^2/NDF:15.2/12

+ sign 0.014+/-0.008 χ^2/NDF: 34.8/30

All: 0.005+/-0.006 χ^2/NDF: 66.1/62

- sign -0.004+/-0.008 χ^2/NDF: 28.8/31



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.813+/-0.009 χ^2/NDF:770293.6/14

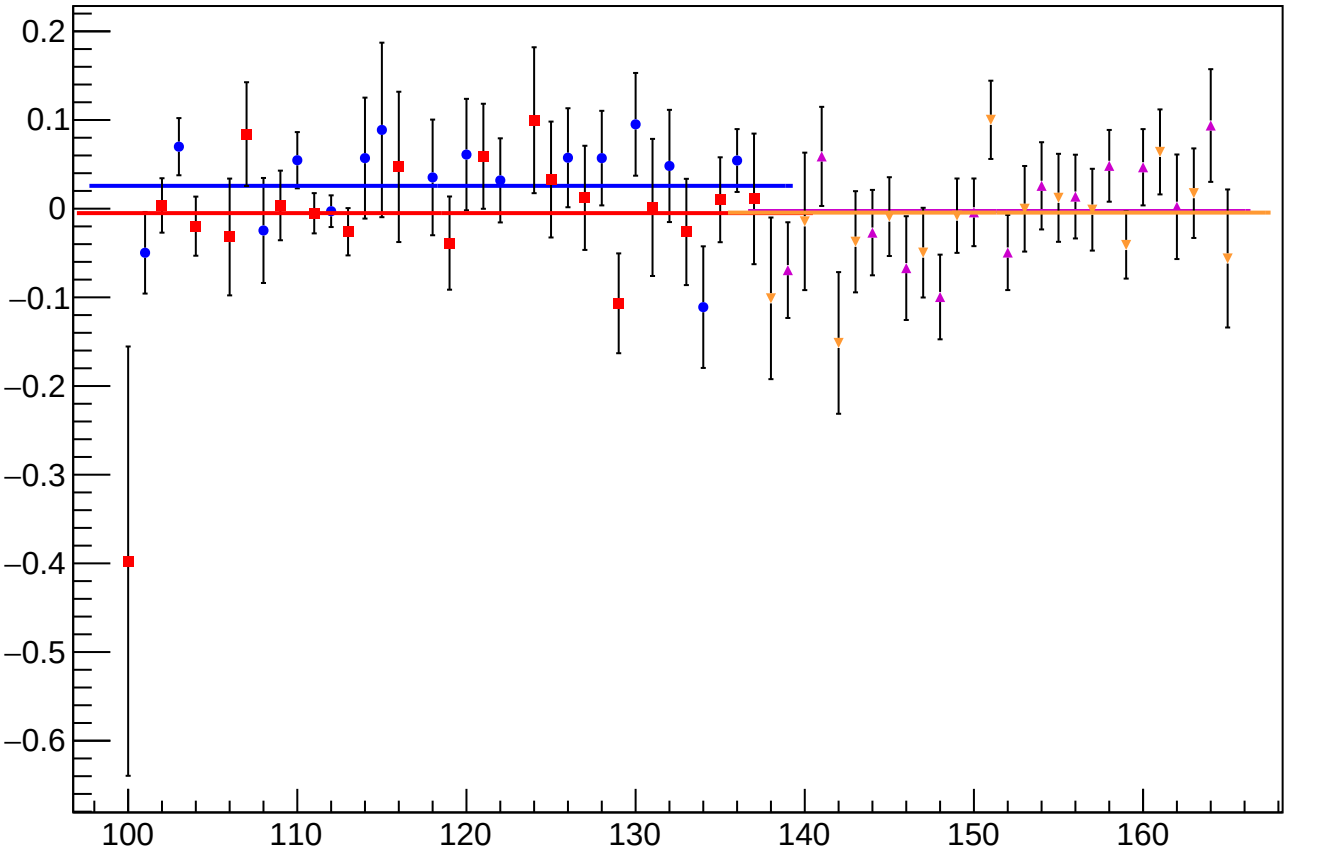
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.882+/-0.009 χ^2/NDF:279065.2/12

+ sign 31.978+/-0.006 χ^2/NDF: 5653663.4/30

All: 32.033+/-0.004 χ^2/NDF: 9634107.0/62

- sign 32.089+/-0.006 χ^2/NDF: 3980259.3/31



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.013 χ^2/NDF:15.0/14

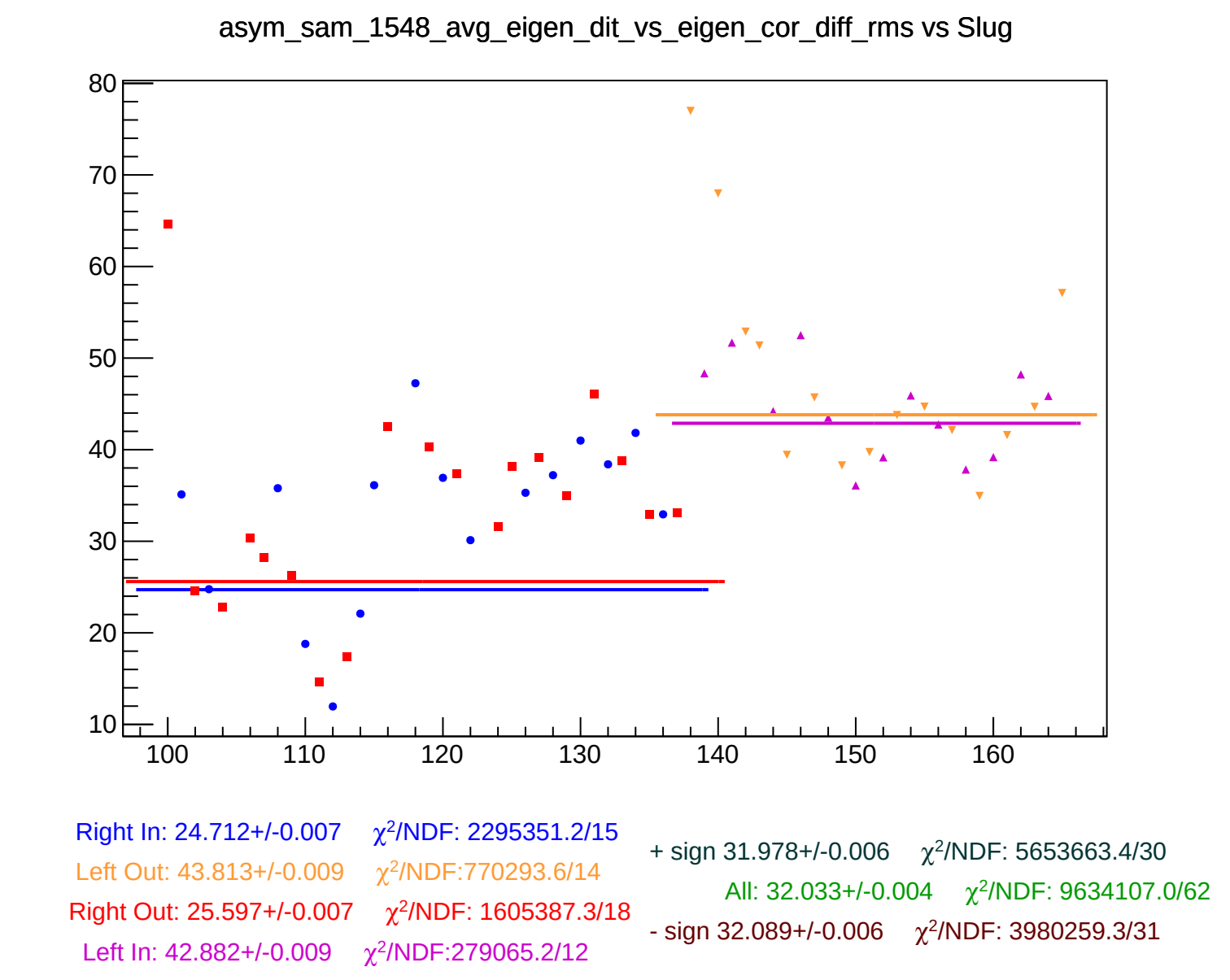
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

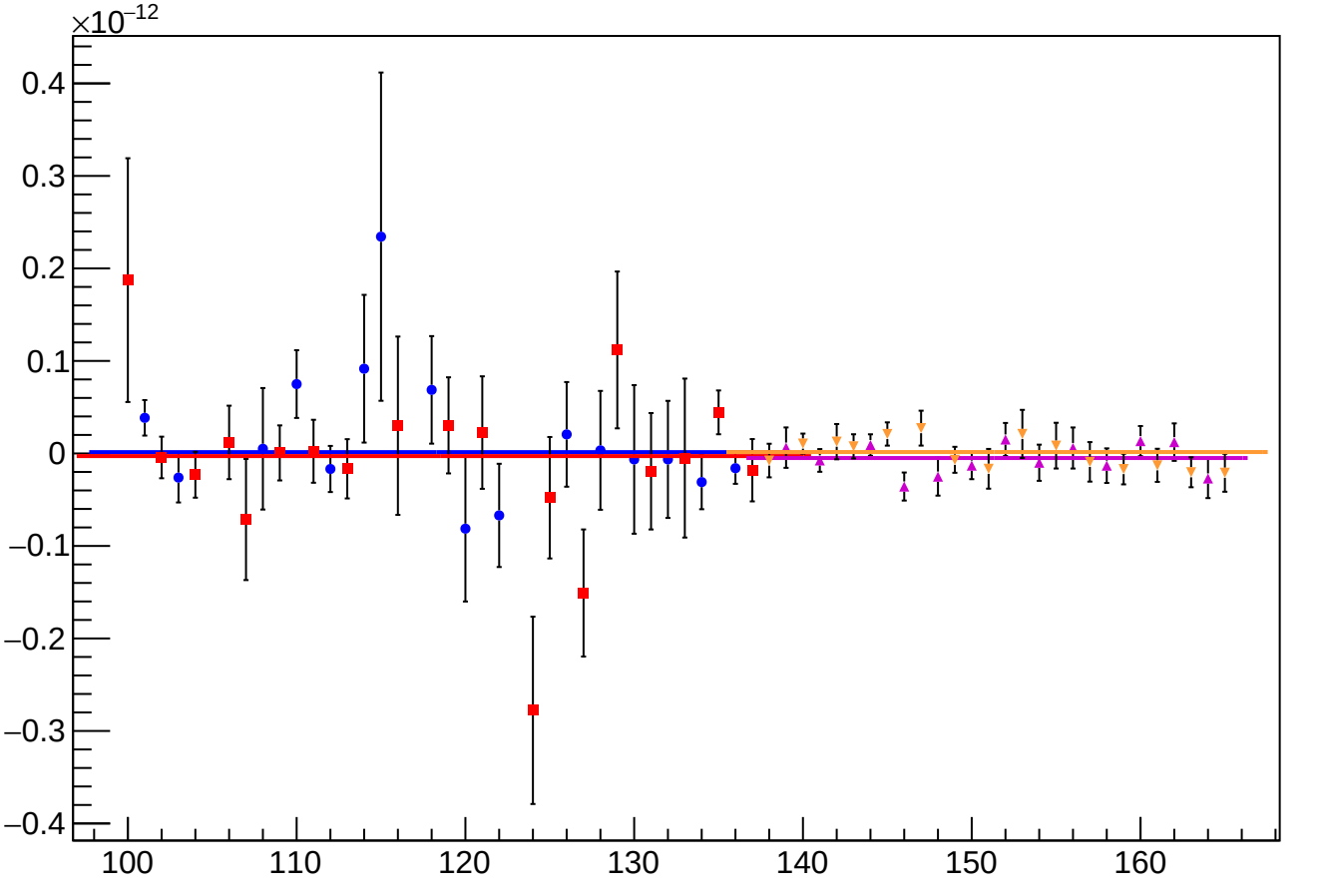
Left In: -0.003+/-0.013 χ^2/NDF:15.2/12

+ sign 0.014+/-0.008 χ^2/NDF: 34.8/30

All: 0.005+/-0.006 χ^2/NDF: 66.1/62

- sign -0.004+/-0.008 χ^2/NDF: 28.8/31


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.813+/-0.009 χ²/NDF:770293.6/14
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.882+/-0.009 χ²/NDF:279065.2/12
+ sign 31.978+/-0.006 χ²/NDF: 5653663.4/30
All: 32.033+/-0.004 χ²/NDF: 9634107.0/62
- sign 32.089+/-0.006 χ²/NDF: 3980259.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/14

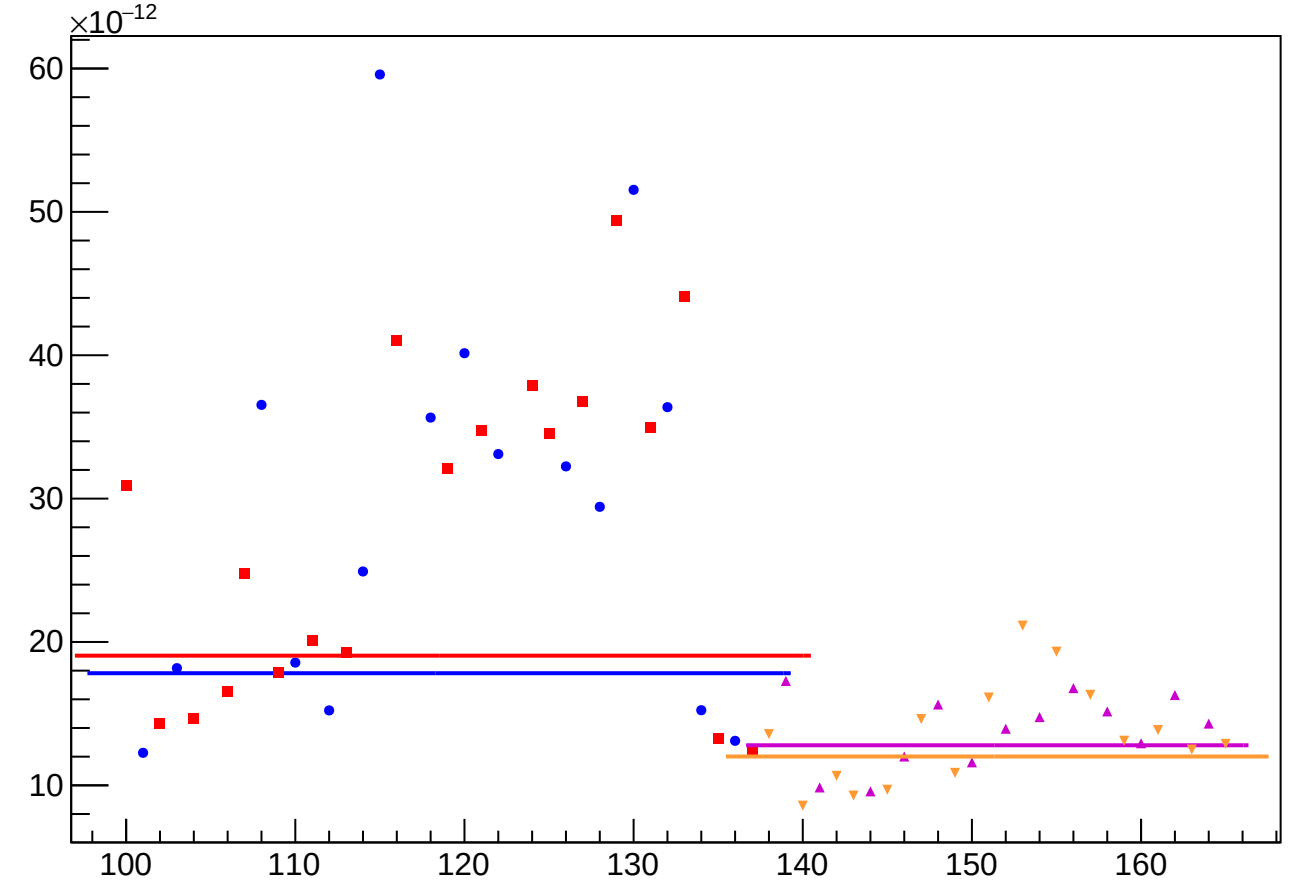
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/30

All: -0.000+/-0.000 χ^2/NDF: 68.1/62

- sign -0.000+/-0.000 χ^2/NDF: 35.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1044372.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

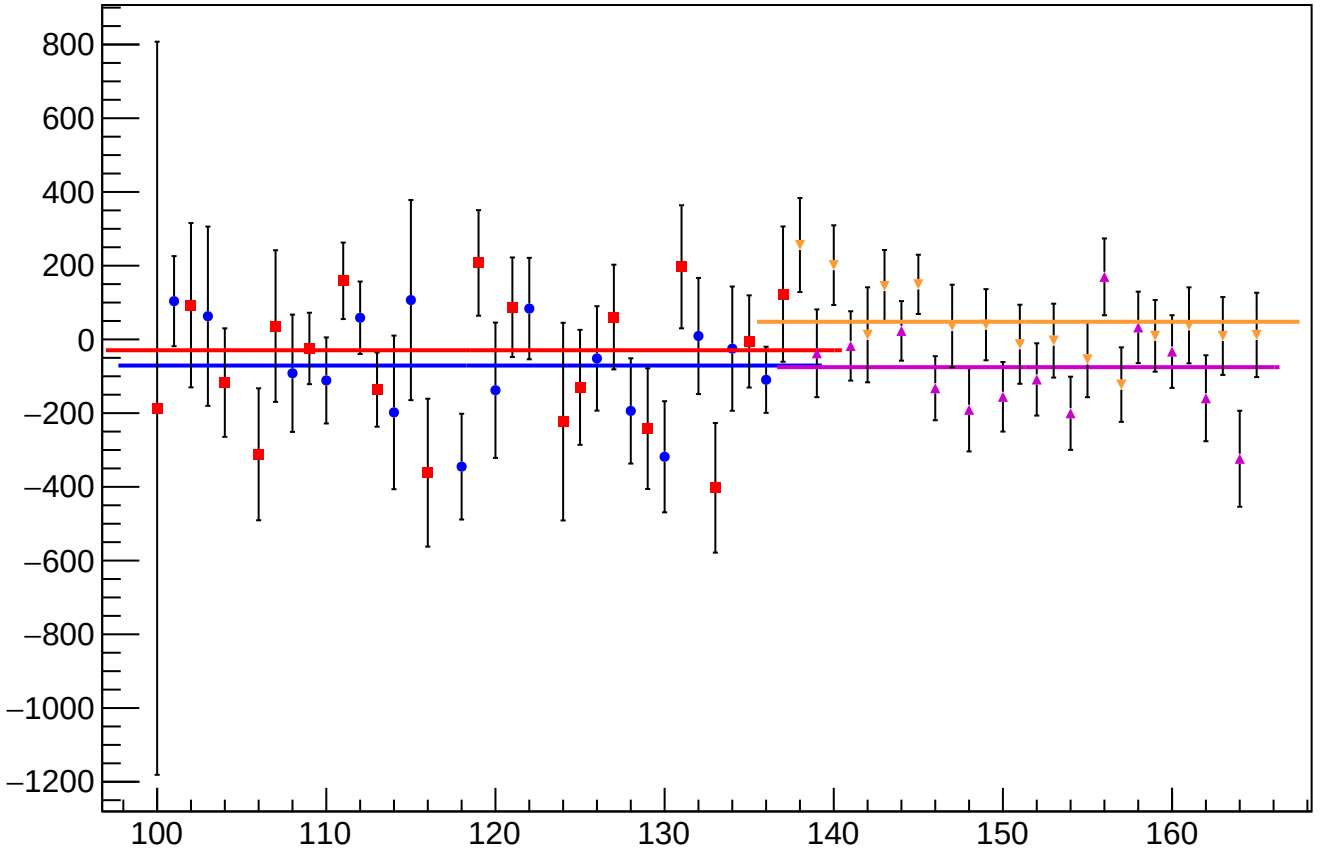
Left In: 0.000+/-0.000 χ^2/NDF:604242.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 3636125.7/30

All: 0.000+/-0.000 χ^2/NDF: 6659966.3/62

- sign 0.000+/-0.000 χ^2/NDF: 2969635.9/31

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 47.822+/-26.737 χ^2/NDF:12.2/14

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

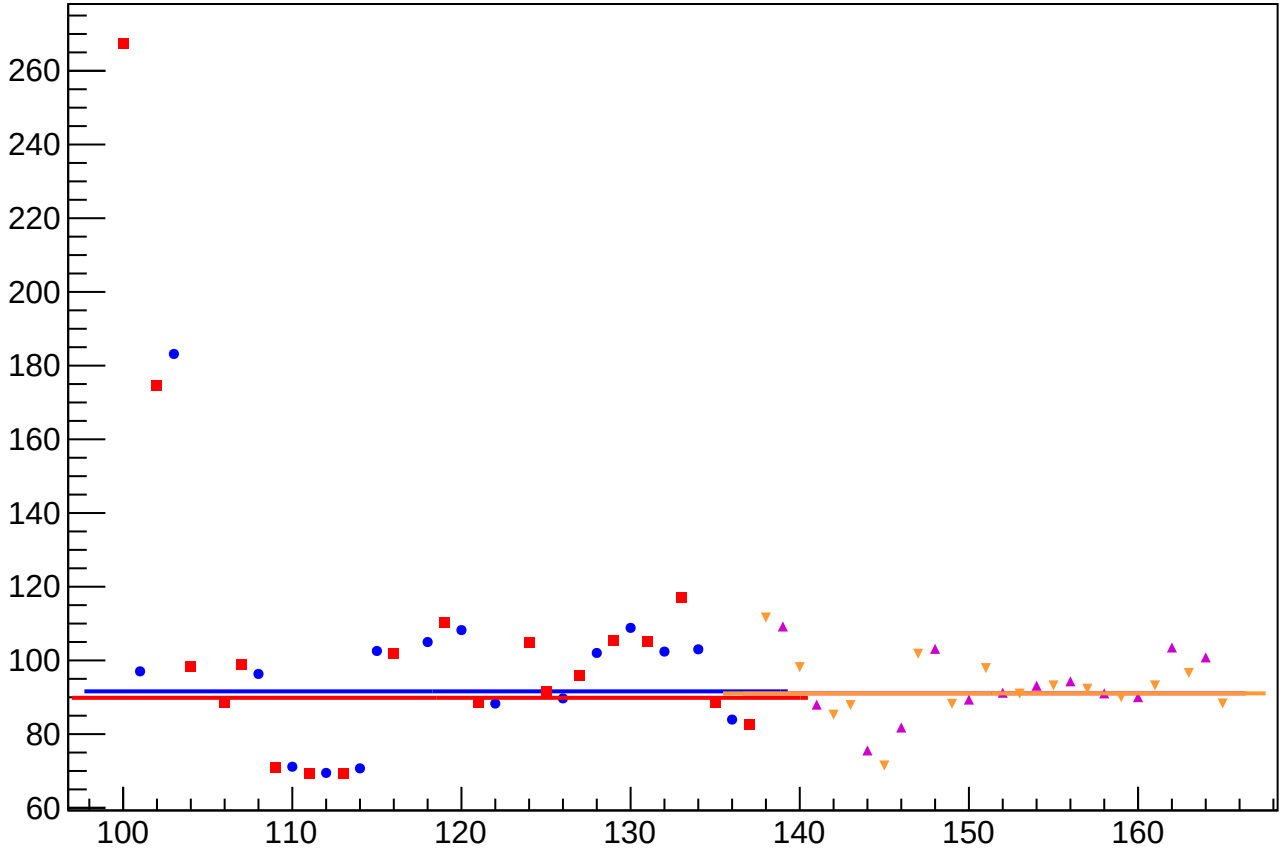
Left In: -75.291+/-27.744 χ^2/NDF:17.0/12

+ sign 4.266+/-21.274 χ^2/NDF: 33.4/30

All: -26.016+/-15.142 χ^2/NDF: 79.6/62

- sign -57.108+/-21.557 χ^2/NDF: 42.1/31

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 91.059+/-0.019 χ^2/NDF:222892.5/14

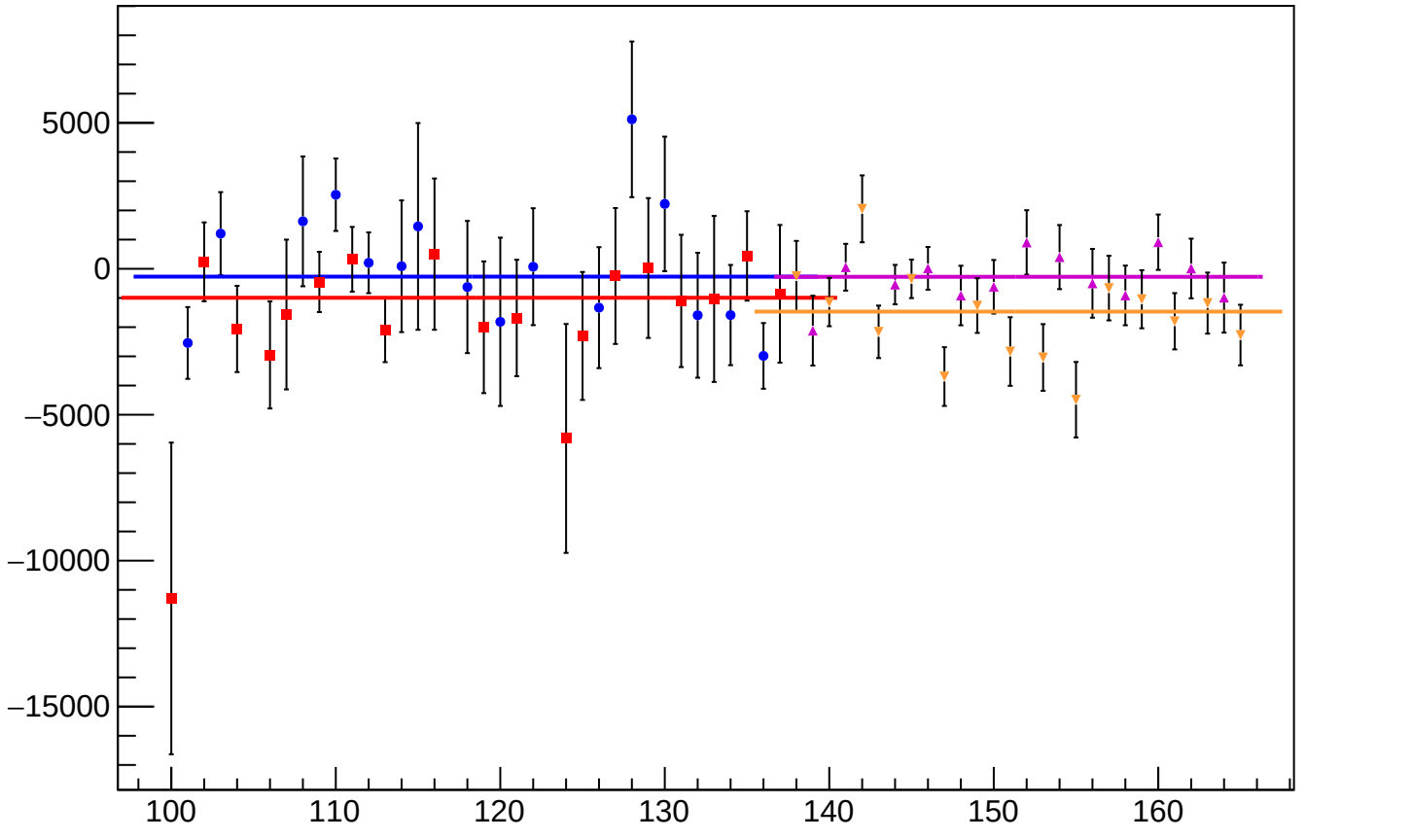
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

+ sign 91.261+/-0.015 χ^2/NDF: 803874.4/30

All: 90.929+/-0.011 χ^2/NDF: 1758125.6/62

- sign 90.589+/-0.015 χ^2/NDF: 953269.2/31



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1466.909+/-254.761 χ^2/NDF:29.2/14

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

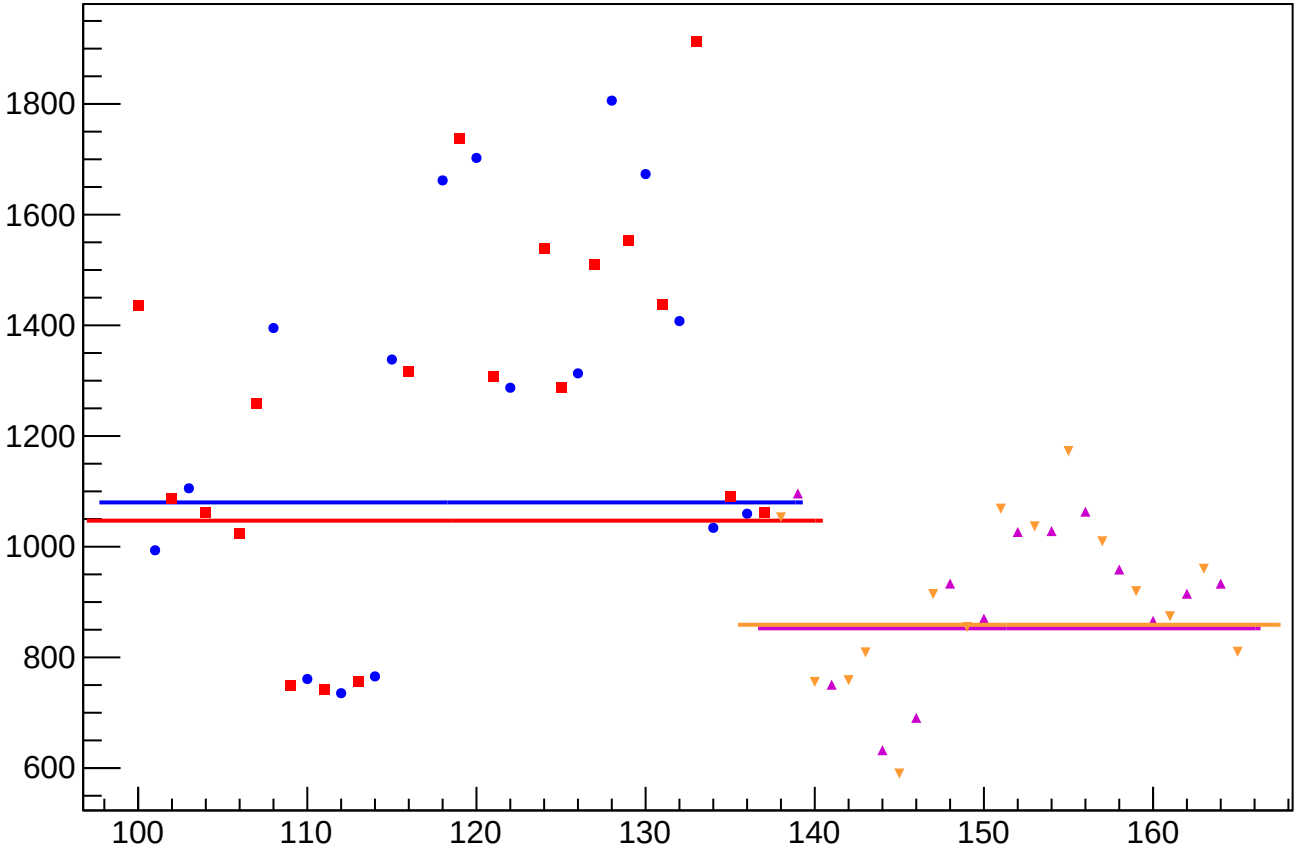
Left In: -274.690+/-262.241 χ^2/NDF:7.3/12

+ sign -1144.095+/-217.763 χ^2/NDF: 58.6/30

All: -819.517+/-154.574 χ^2/NDF: 85.4/62

- sign -489.900+/-219.447 χ^2/NDF: 22.2/31

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 858.999+/-0.180 χ^2/NDF:740647.2/14

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

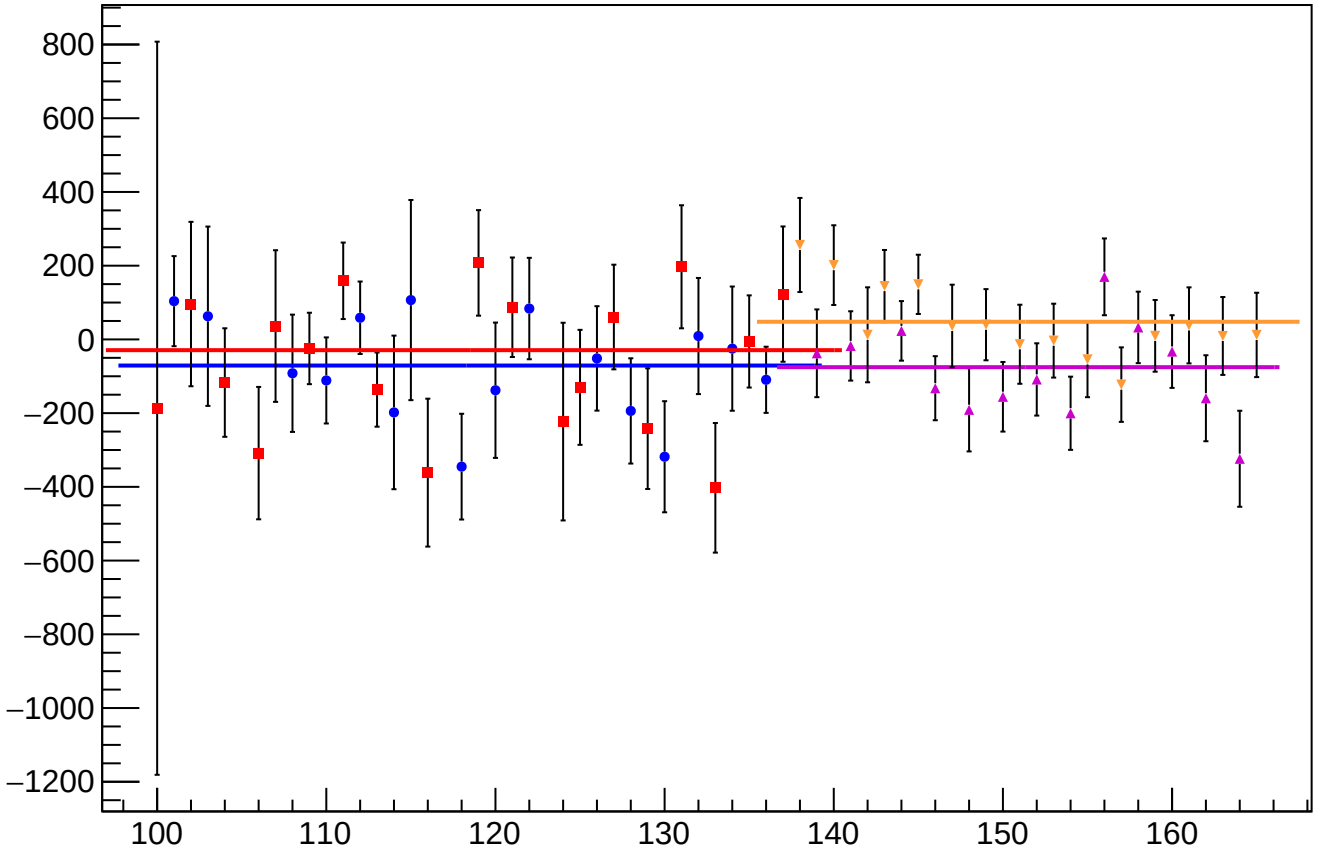
Left In: 852.527+/-0.185 χ^2/NDF:642023.1/12

+ sign 918.542+/-0.154 χ^2/NDF: 2199688.9/30

All: 914.720+/-0.109 χ^2/NDF: 4371512.8/62

- sign 910.839+/-0.155 χ^2/NDF: 2170582.5/31

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 47.827+/-26.737 χ^2/NDF:12.2/14

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

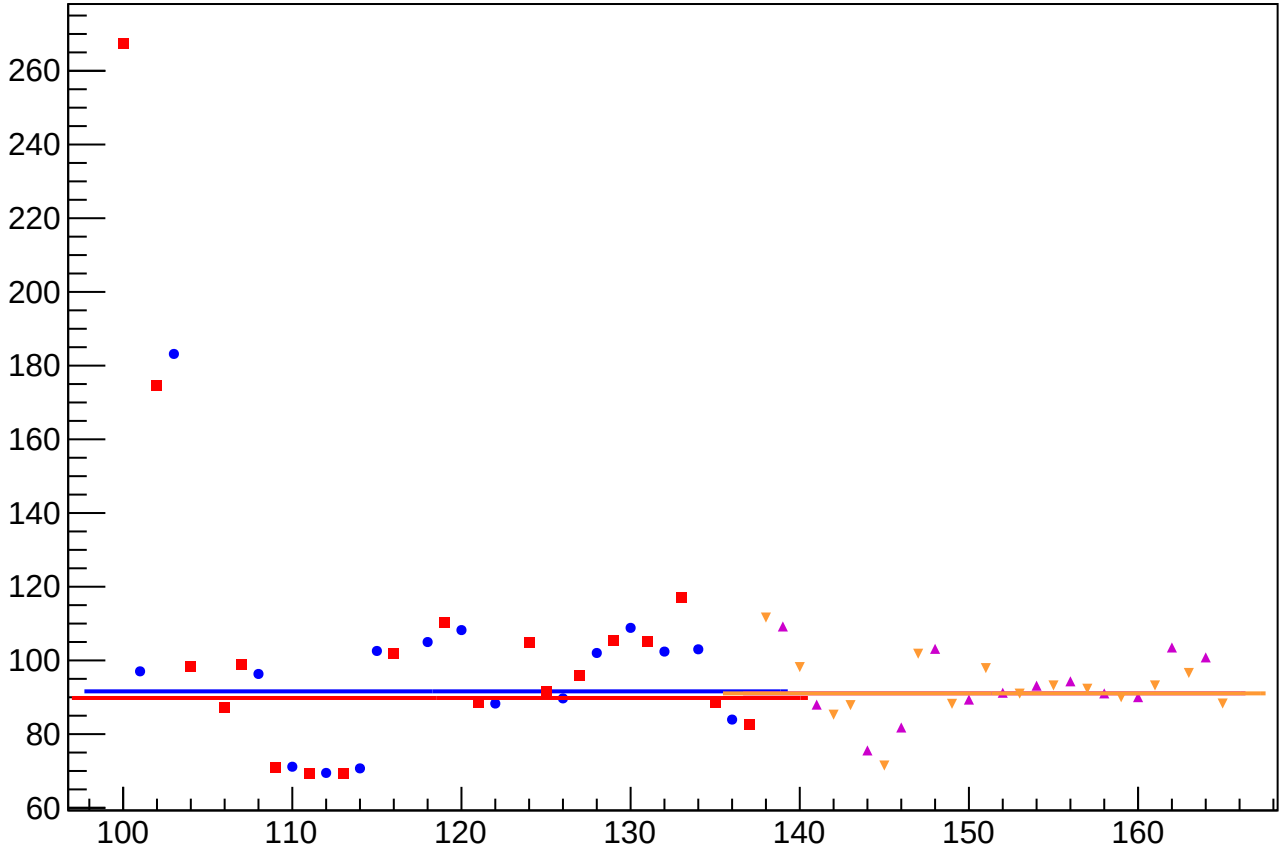
Left In: -75.292+/-27.744 χ^2/NDF:17.0/12

+ sign 4.265+/-21.274 χ^2/NDF: 33.5/30

All: -25.968+/-15.142 χ^2/NDF: 79.6/62

- sign -57.012+/-21.558 χ^2/NDF: 42.0/31

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.059+/-0.019 χ^2/NDF:222892.5/14

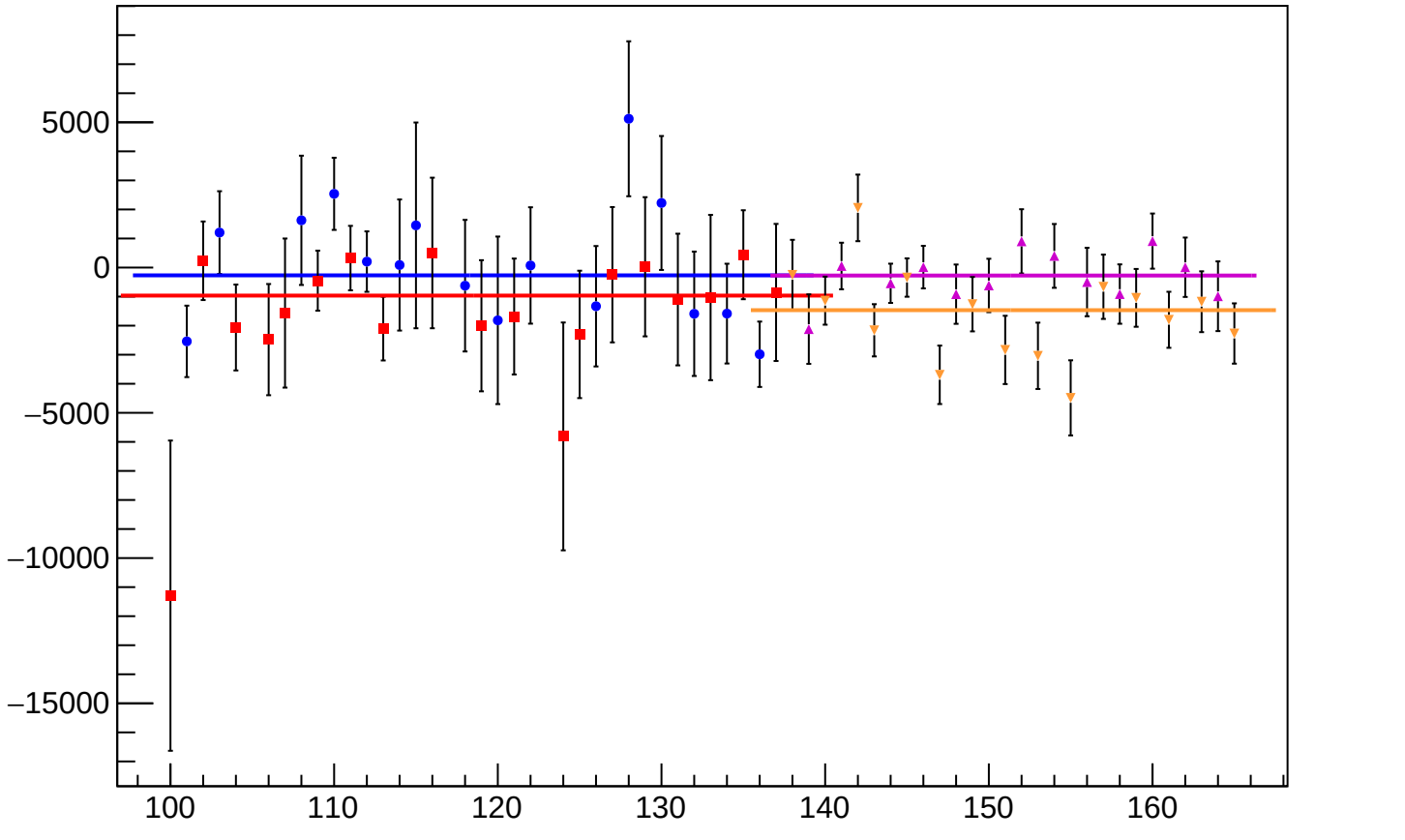
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

+ sign 91.261+/-0.015 χ^2/NDF: 803877.5/30

All: 90.920+/-0.011 χ^2/NDF: 1758849.6/62

- sign 90.571+/-0.015 χ^2/NDF: 953934.6/31



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1466.905+/-254.761 χ^2/NDF:29.2/14

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

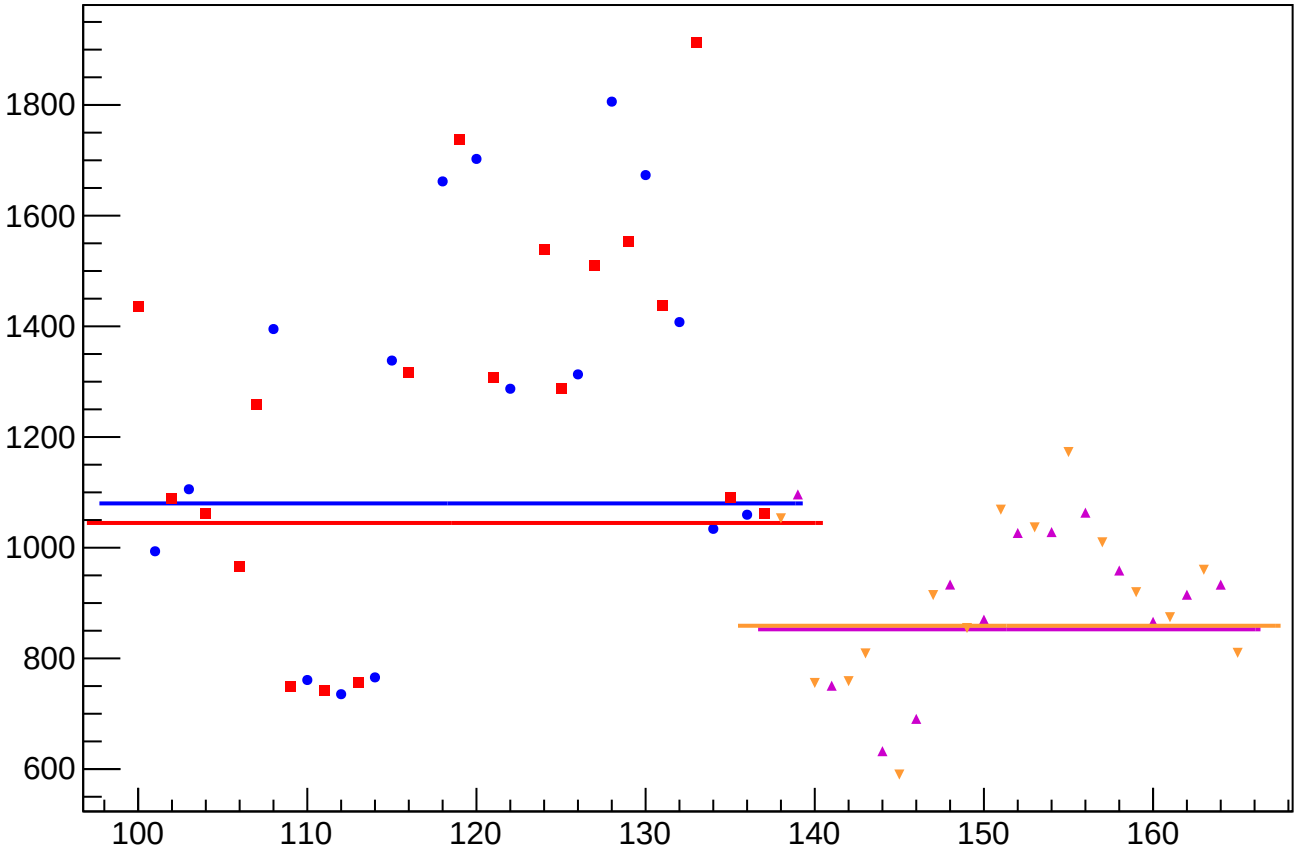
Left In: -274.695+/-262.241 χ^2/NDF:7.3/12

+ sign -1144.101+/-217.763 χ^2/NDF: 58.6/30

All: -815.315+/-154.620 χ^2/NDF: 84.8/62

- sign -481.022+/-219.579 χ^2/NDF: 21.5/31

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 858.999+/-0.180 χ^2/NDF:740649.4/14

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

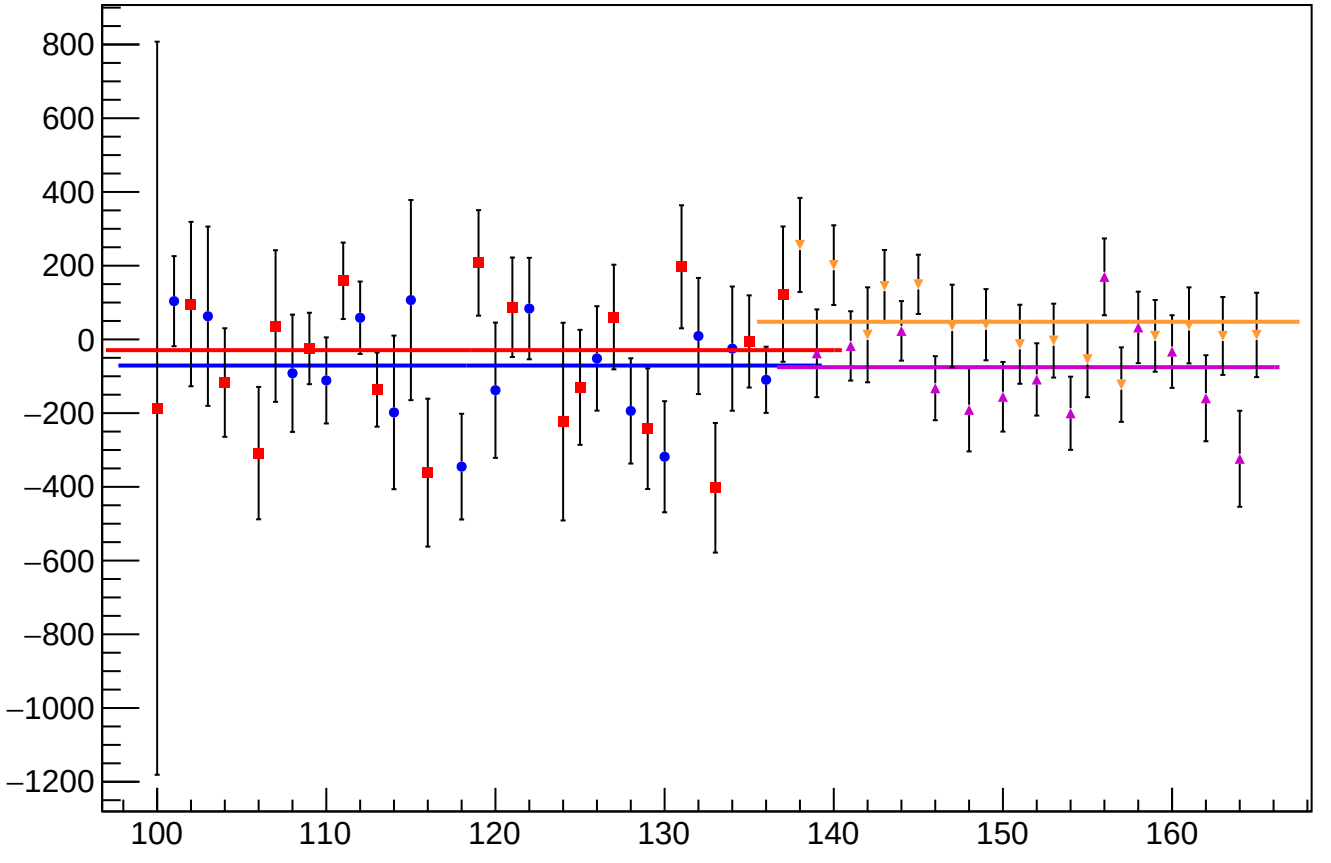
Left In: 852.527+/-0.185 χ^2/NDF:642021.5/12

+ sign 918.543+/-0.154 χ^2/NDF: 2199725.4/30

All: 914.293+/-0.109 χ^2/NDF: 4366187.8/62

- sign 909.972+/-0.155 χ^2/NDF: 2164926.3/31

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 47.827+/-26.737 χ^2/NDF:12.2/14

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

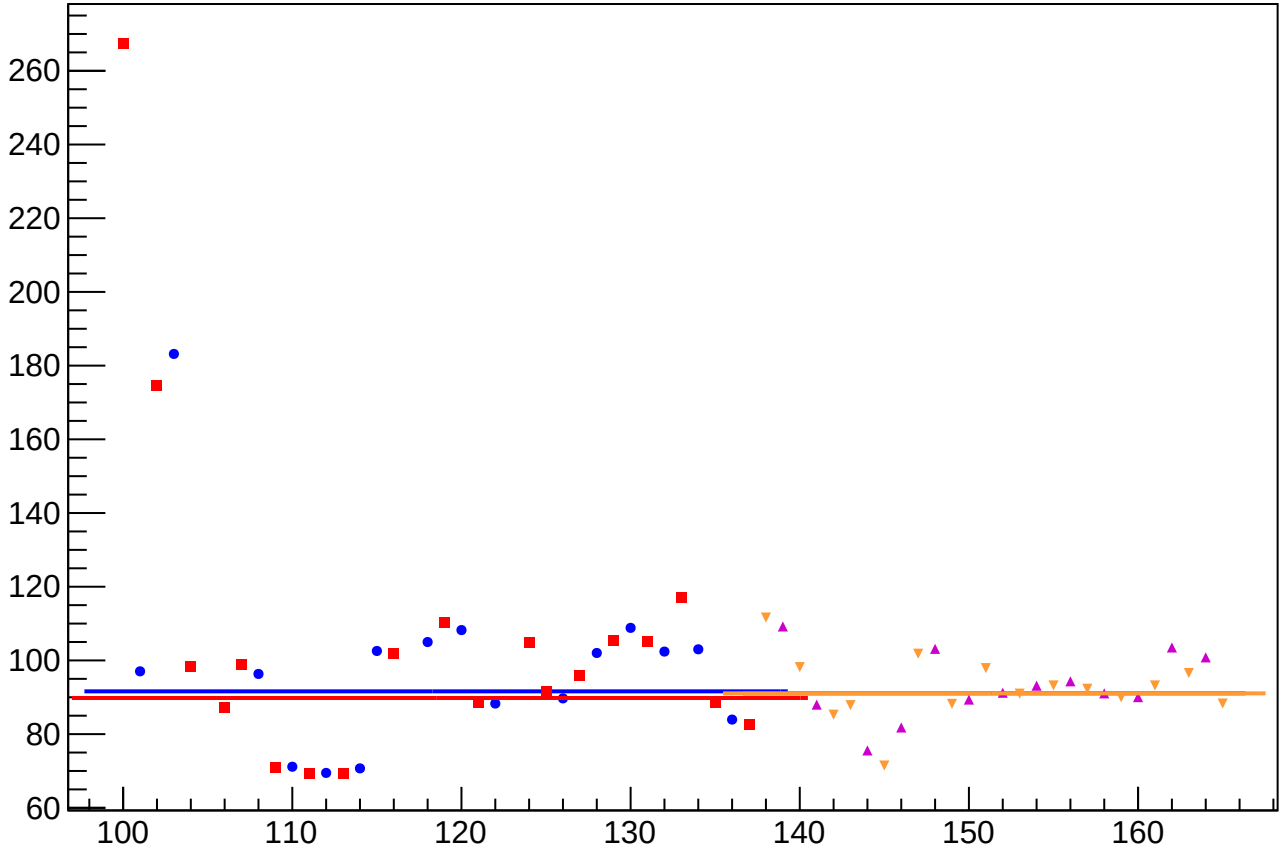
Left In: -75.292+/-27.744 χ^2/NDF:17.0/12

+ sign 4.265+/-21.274 χ^2/NDF: 33.5/30

All: -25.968+/-15.142 χ^2/NDF: 79.6/62

- sign -57.012+/-21.558 χ^2/NDF: 42.0/31

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.059+/-0.019 χ^2/NDF:222892.5/14

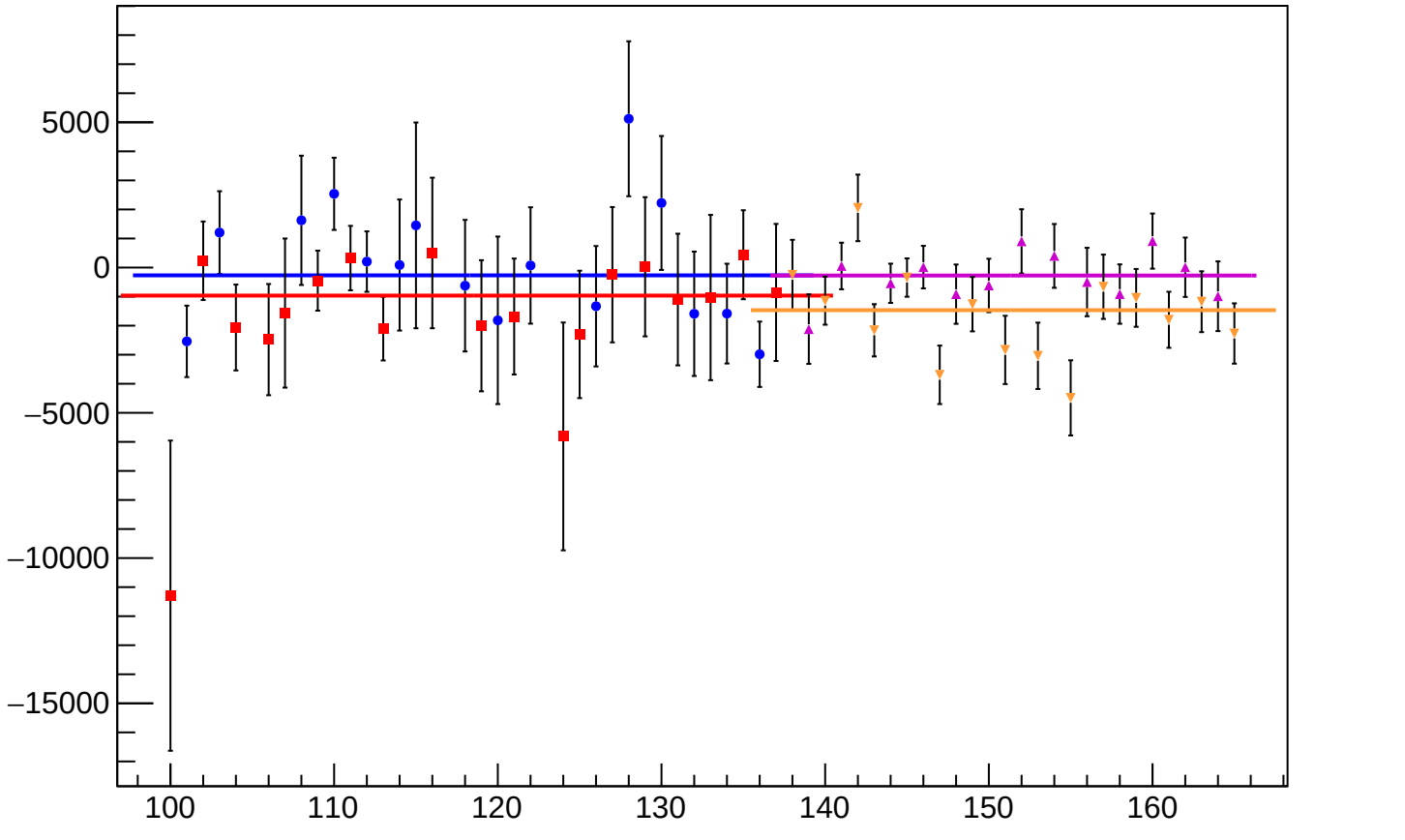
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

+ sign 91.261+/-0.015 χ^2/NDF: 803877.5/30

All: 90.920+/-0.011 χ^2/NDF: 1758849.6/62

- sign 90.571+/-0.015 χ^2/NDF: 953934.6/31



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1466.905+/-254.761 χ^2/NDF:29.2/14

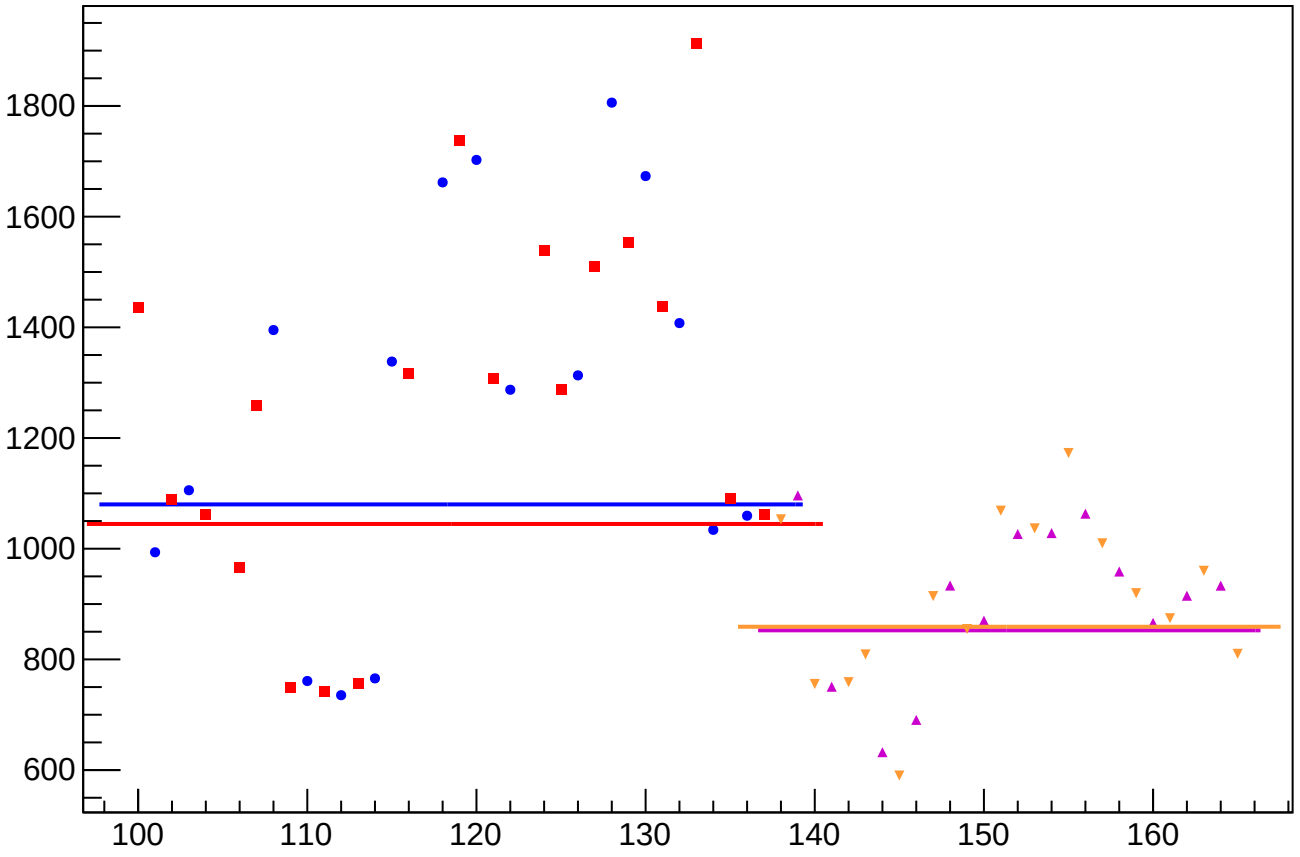
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -274.695+/-262.241 χ^2/NDF:7.3/12

+ sign -1144.101+/-217.763 χ^2/NDF: 58.6/30

All: -815.315+/-154.620 χ^2/NDF: 84.8/62

- sign -481.022+/-219.579 χ^2/NDF: 21.5/31



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 858.999+/-0.180 χ^2/NDF:740649.4/14

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

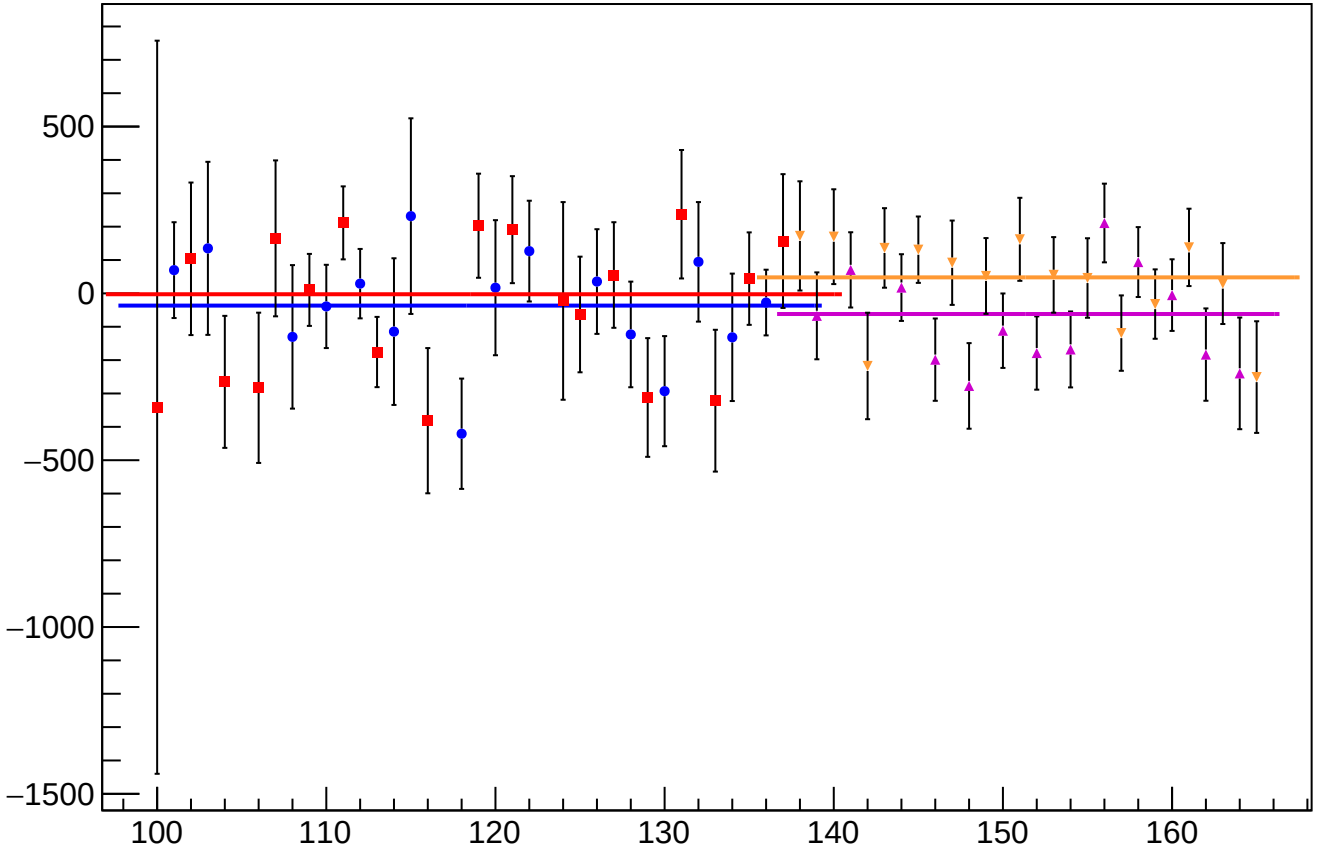
Left In: 852.527+/-0.185 χ^2/NDF:642021.5/12

+ sign 918.543+/-0.154 χ^2/NDF: 2199725.4/30

All: 914.293+/-0.109 χ^2/NDF: 4366187.8/62

- sign 909.972+/-0.155 χ^2/NDF: 2164926.3/31

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 48.011+/-31.628 χ^2/NDF:12.9/14

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

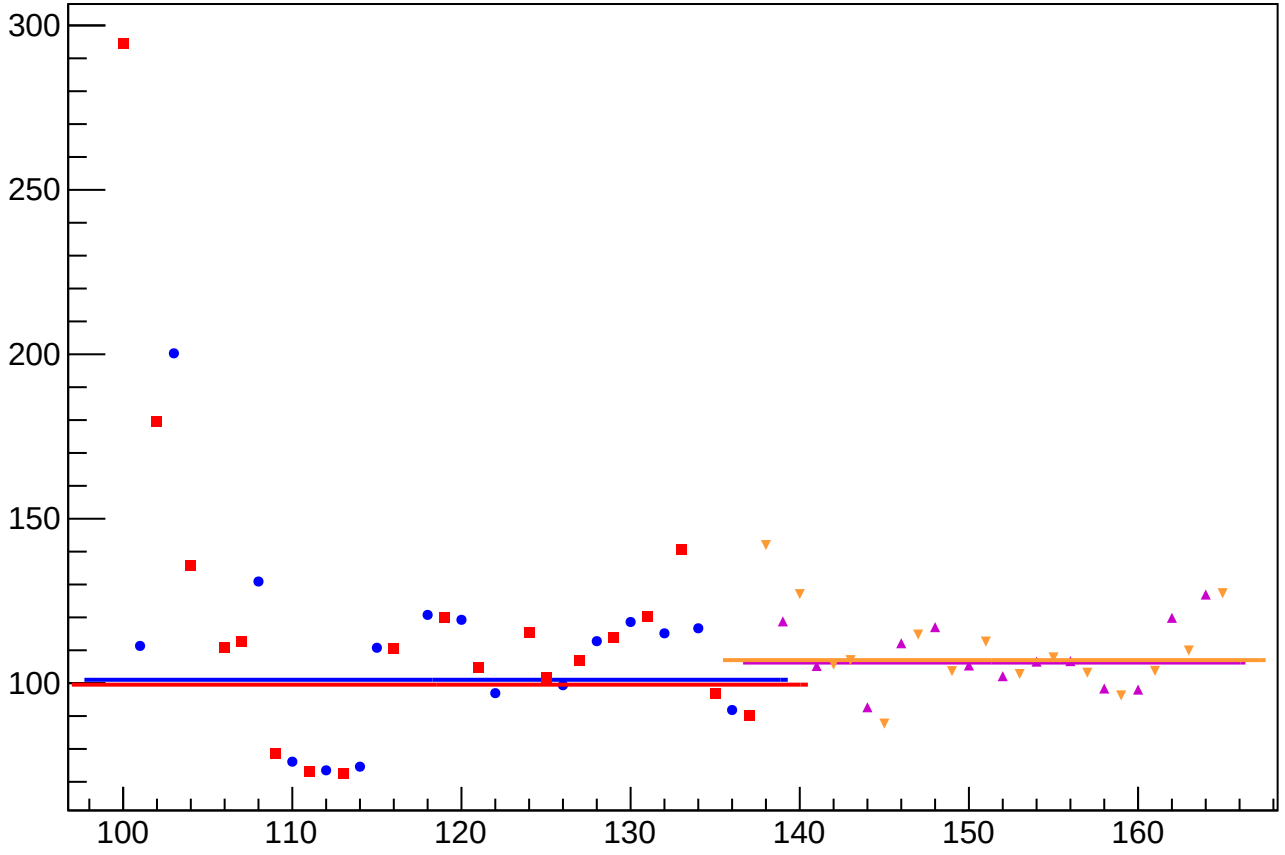
Left In: -61.810+/-32.577 χ^2/NDF:18.0/12

+ sign 14.436+/-24.563 χ^2/NDF: 28.6/30

All: -10.978+/-17.444 χ^2/NDF: 74.9/62

- sign -36.840+/-24.778 χ^2/NDF: 44.1/31

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.006+/-0.022 χ^2/NDF:278923.1/14

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

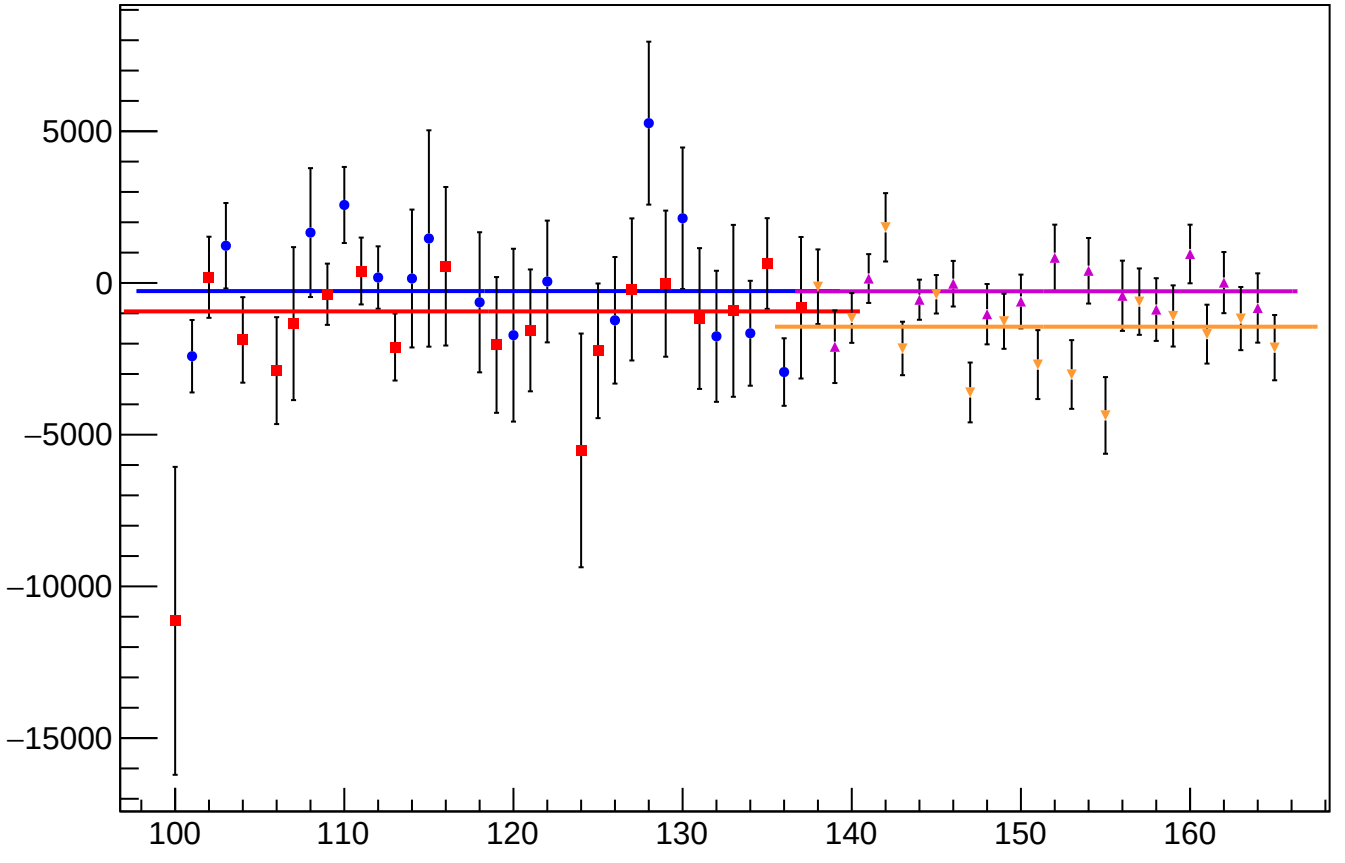
Left In: 106.261+/-0.023 χ^2/NDF:150242.4/12

+ sign 104.635+/-0.017 χ^2/NDF: 1023340.4/30

All: 104.038+/-0.012 χ^2/NDF: 2092270.0/62

- sign 103.431+/-0.018 χ^2/NDF: 1066550.7/31

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1441.003+/-251.526 χ^2/NDF:27.8/14

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

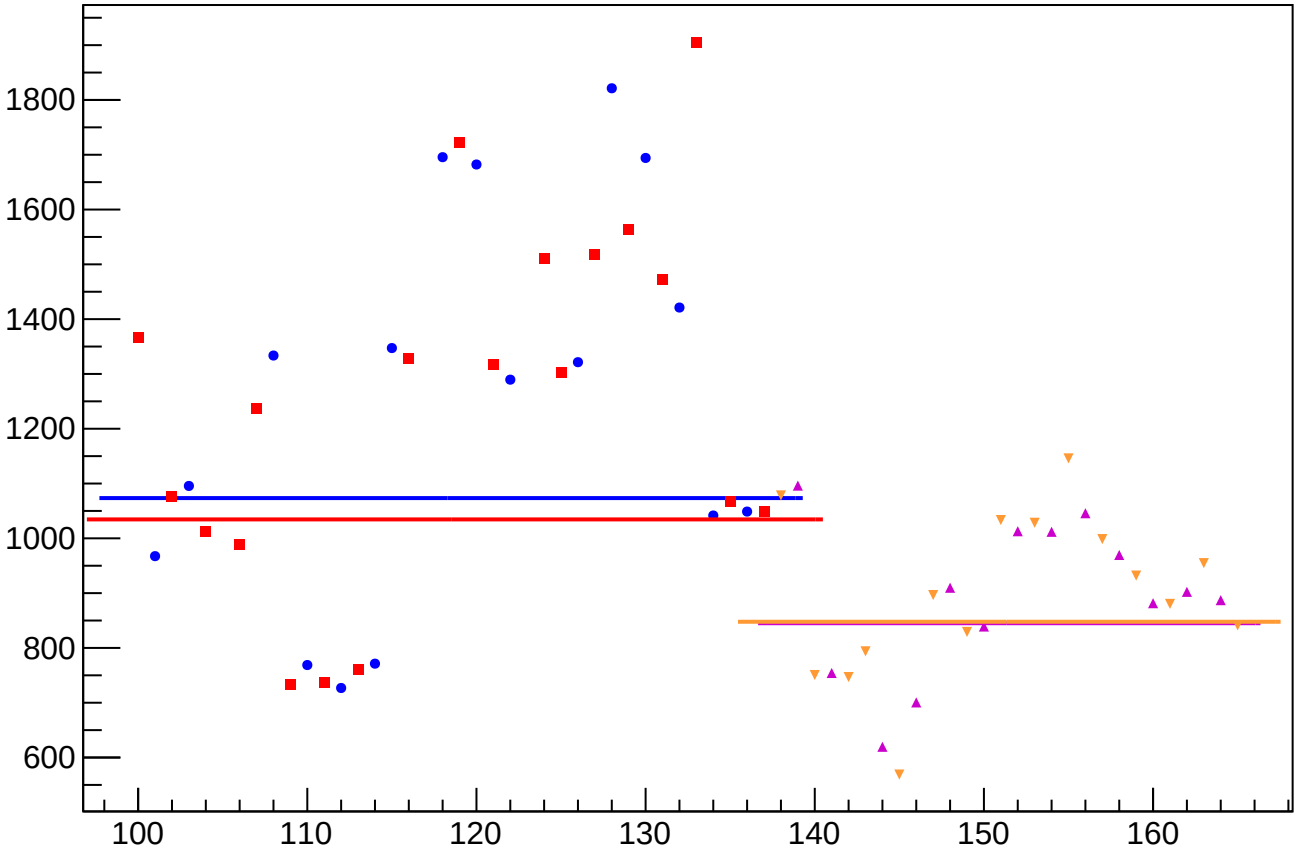
Left In: -273.998+/-259.999 χ^2/NDF:7.3/12

+ sign -1128.119+/-215.388 χ^2/NDF: 57.1/30

All: -803.805+/-153.001 χ^2/NDF: 84.1/62

- sign -473.466+/-217.379 χ^2/NDF: 22.4/31

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 847.763+/-0.178 χ^2/NDF:805777.5/14

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

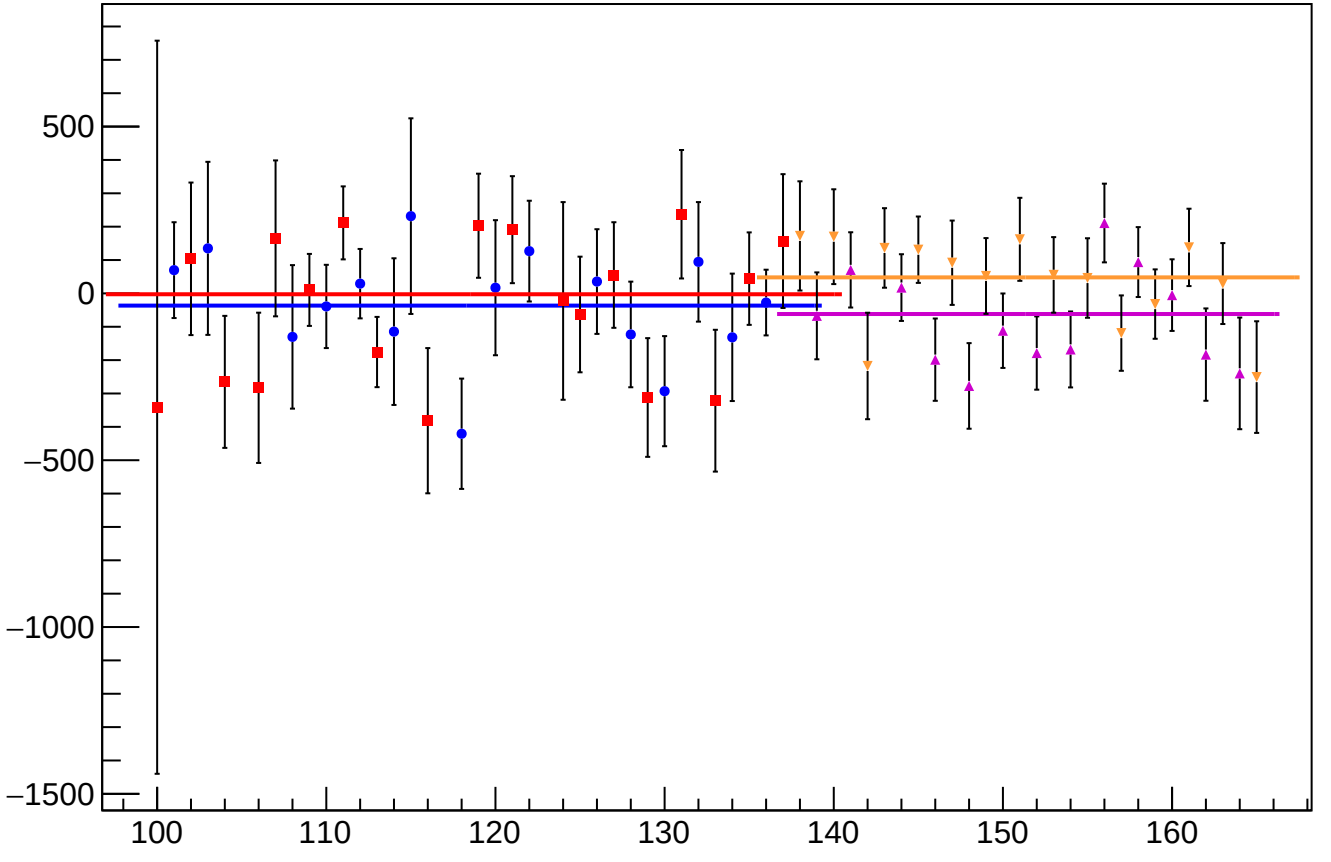
Left In: 845.076+/-0.184 χ^2/NDF:625085.1/12

+ sign 907.958+/-0.152 χ^2/NDF: 2312309.9/30

All: 905.055+/-0.108 χ^2/NDF: 4487102.5/62

- sign 902.099+/-0.154 χ^2/NDF: 2174059.4/31

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 48.013+/-31.628 χ^2/NDF:12.9/14

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

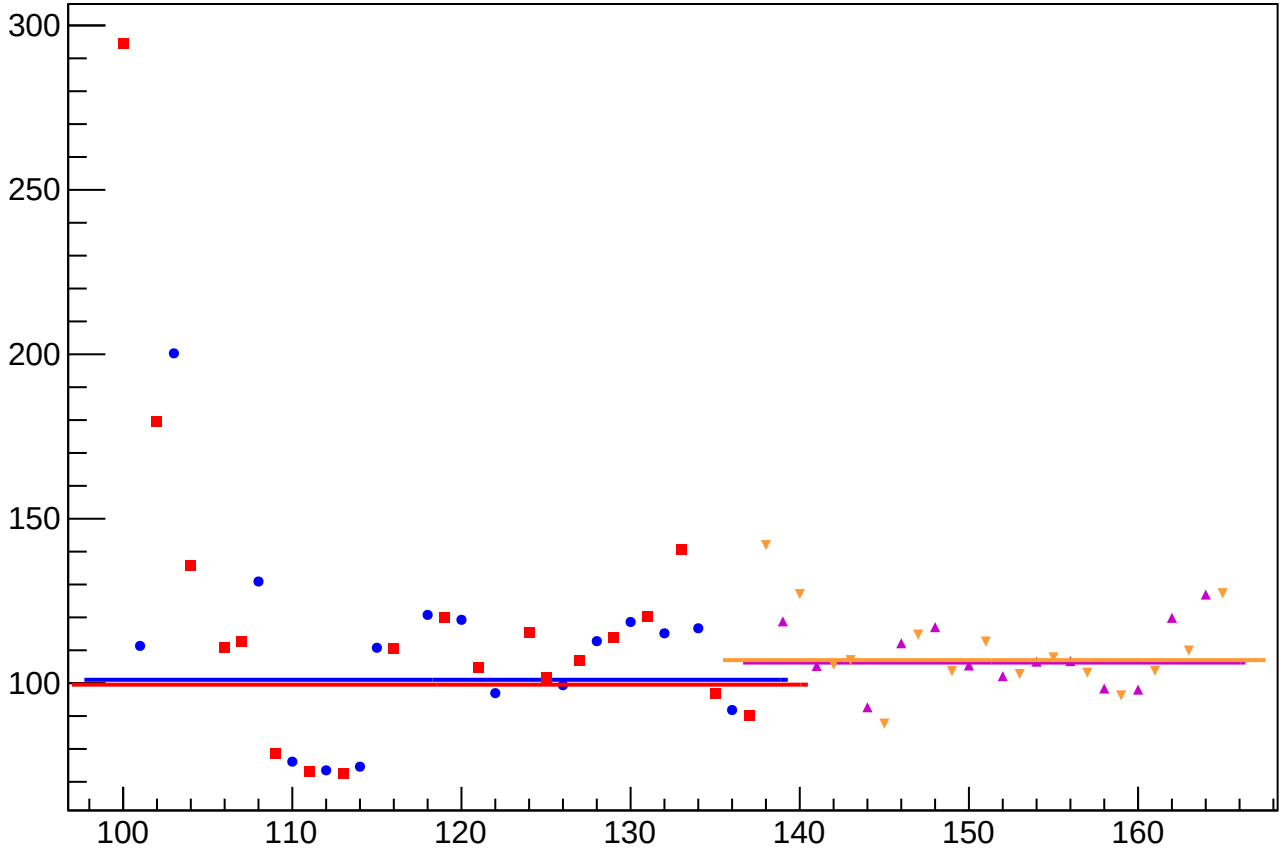
Left In: -61.810+/-32.577 χ^2/NDF:18.0/12

+ sign 14.438+/-24.563 χ^2/NDF: 28.6/30

All: -10.977+/-17.444 χ^2/NDF: 74.9/62

- sign -36.838+/-24.778 χ^2/NDF: 44.1/31

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.006+/-0.022 χ^2/NDF:278917.6/14

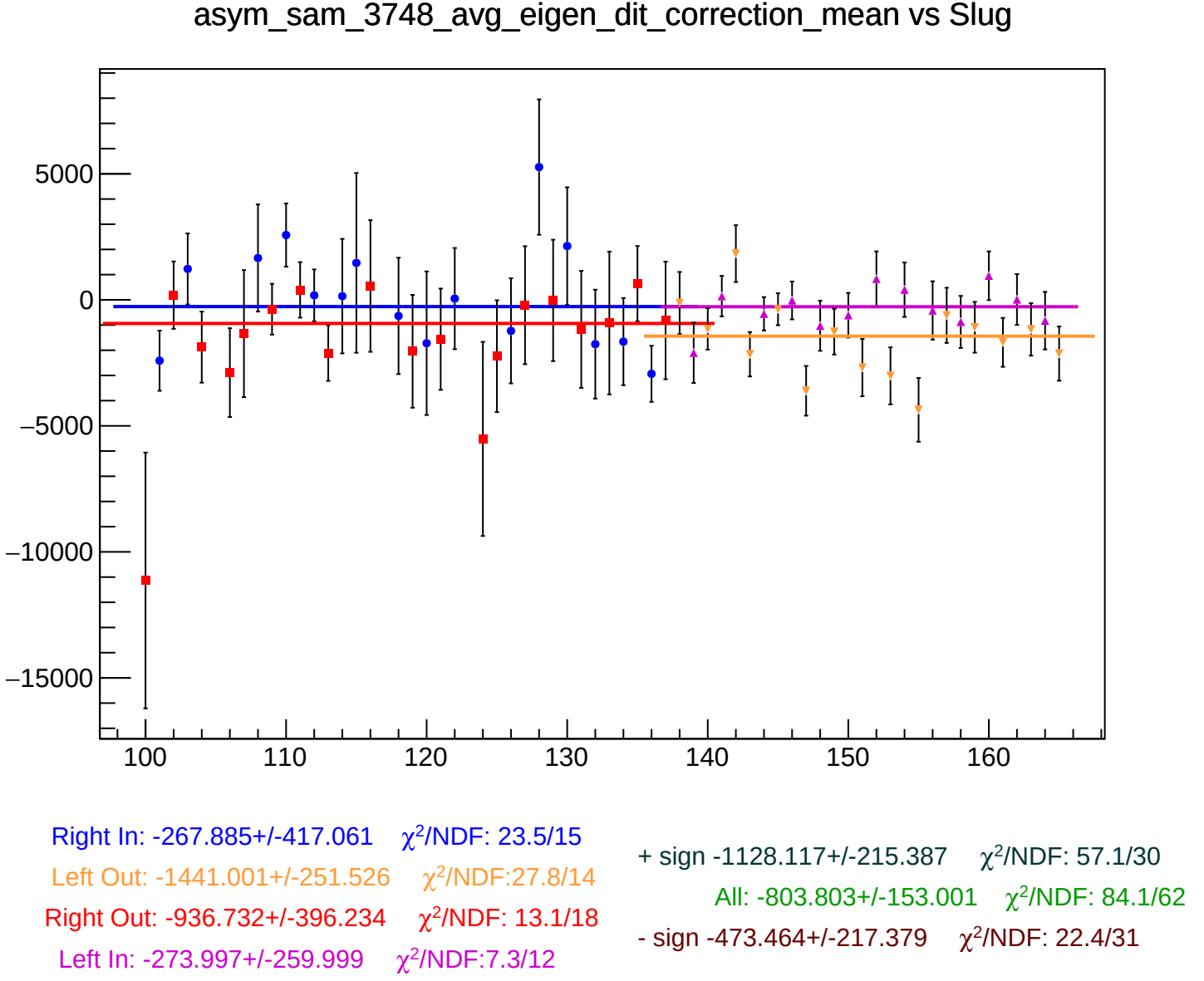
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

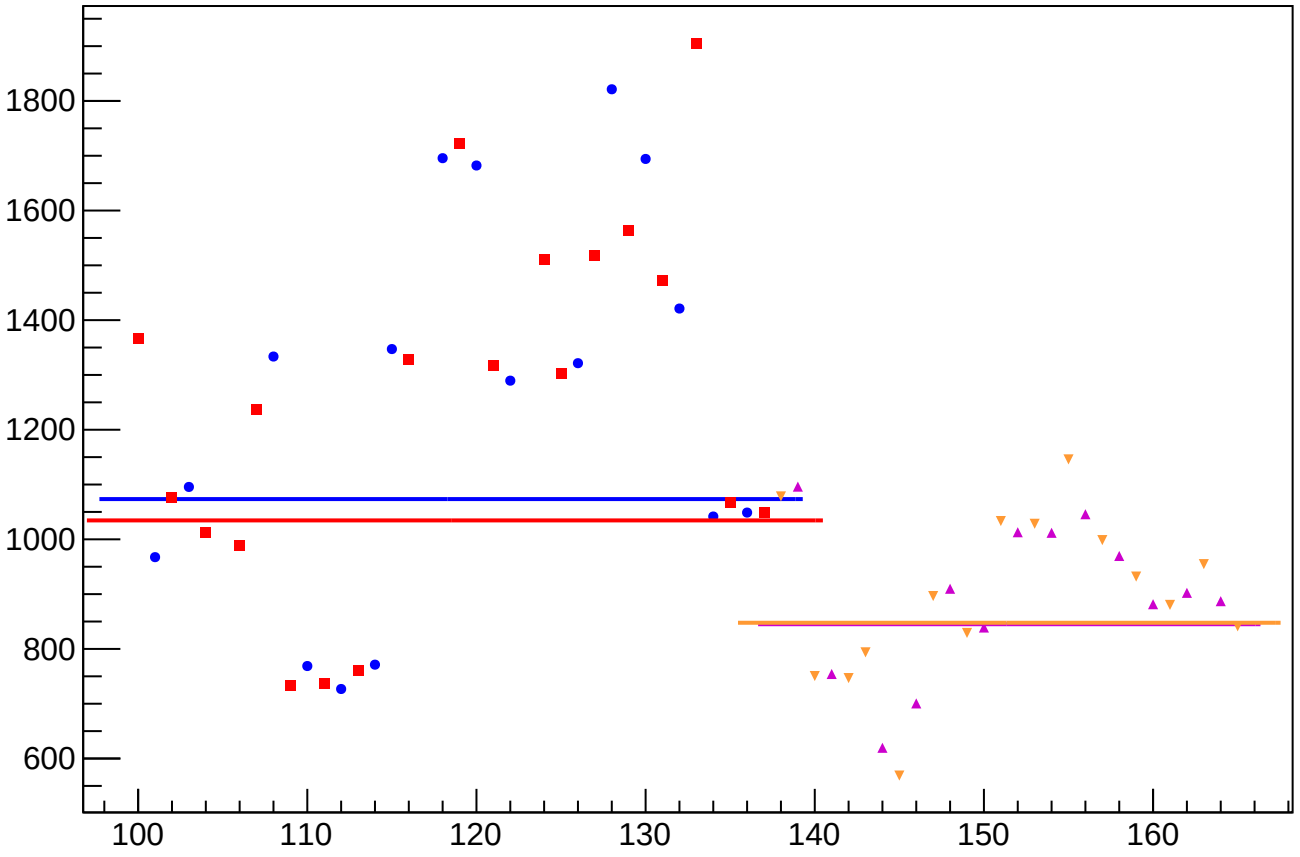
Left In: 106.262+/-0.023 χ^2/NDF:150241.4/12

+ sign 104.635+/-0.017 χ^2/NDF: 1023336.3/30

All: 104.038+/-0.012 χ^2/NDF: 2092269.5/62

- sign 103.432+/-0.018 χ^2/NDF: 1066554.2/31


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -267.885+/-417.061 χ²/NDF: 23.5/15
Left Out: -1441.001+/-251.526 χ²/NDF:27.8/14
Right Out: -936.732+/-396.234 χ²/NDF: 13.1/18
Left In: -273.997+/-259.999 χ²/NDF:7.3/12
+ sign -1128.117+/-215.387 χ²/NDF: 57.1/30
All: -803.803+/-153.001 χ²/NDF: 84.1/62
- sign -473.464+/-217.379 χ²/NDF: 22.4/31



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 847.762+/-0.178 χ^2/NDF:805780.3/14

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

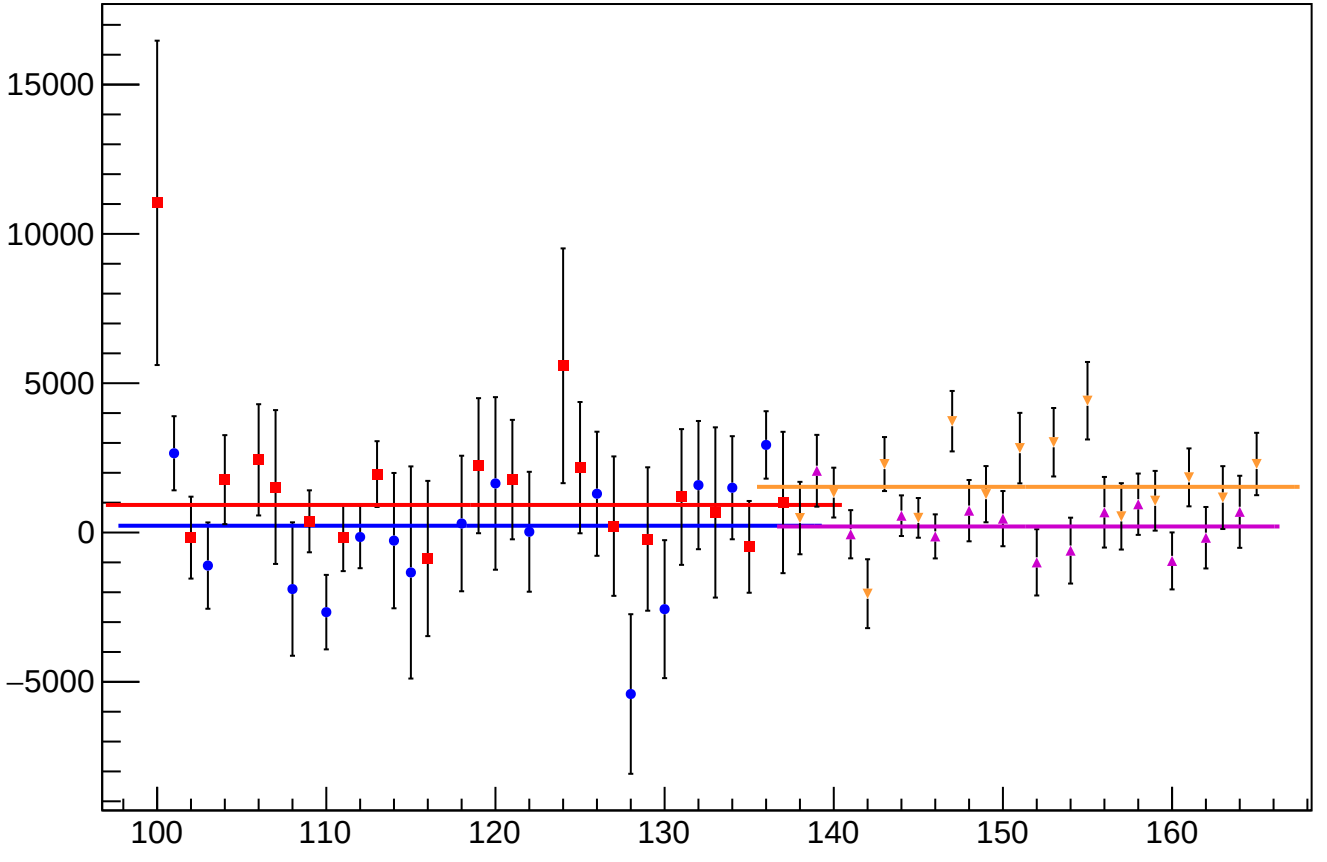
Left In: 845.075+/-0.184 χ^2/NDF:625083.7/12

+ sign 907.956+/-0.152 χ^2/NDF: 2312317.1/30

All: 905.054+/-0.108 χ^2/NDF: 4487109.4/62

- sign 902.097+/-0.154 χ^2/NDF: 2174059.1/31

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1529.775+/-256.287 χ^2/NDF:28.0/14

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

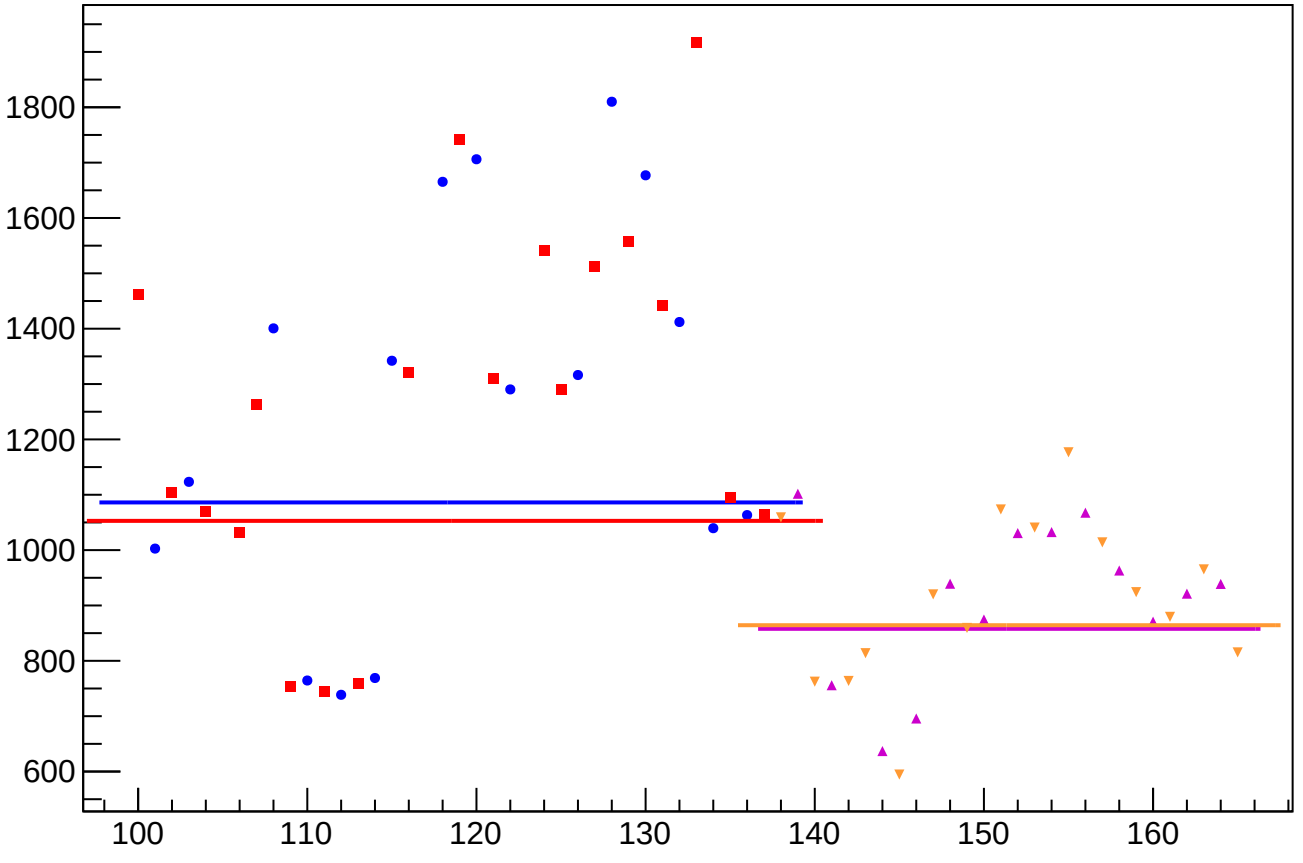
Left In: 202.345+/-263.809 χ^2/NDF:7.5/12

+ sign 1178.680+/-219.032 χ^2/NDF: 59.4/30

All: 801.613+/-155.479 χ^2/NDF: 86.3/62

- sign 418.641+/-220.740 χ^2/NDF: 20.9/31

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 864.333+/-0.181 χ^2/NDF:731080.8/14

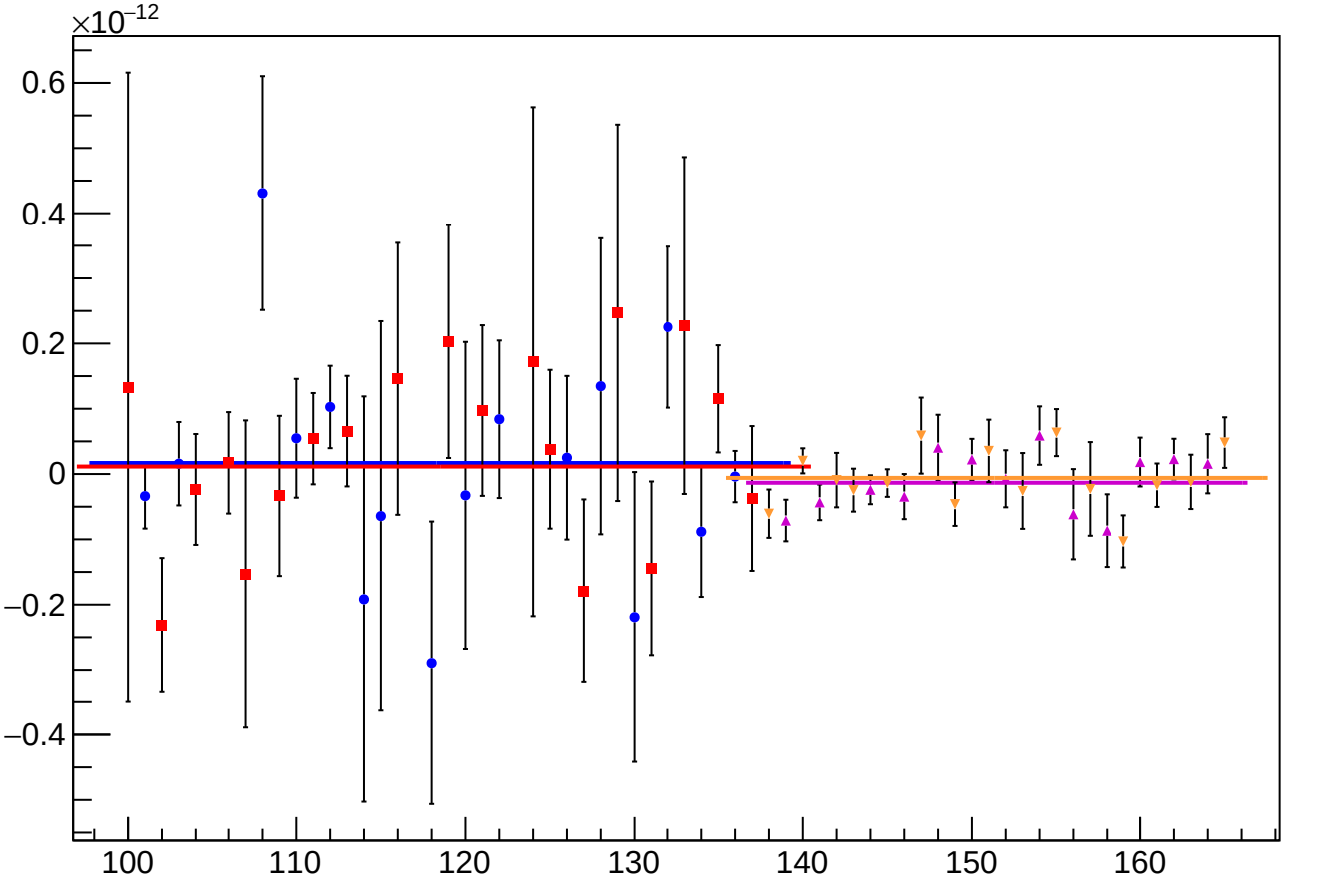
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 857.795+/-0.187 χ^2/NDF:634340.4/12

+ sign 924.132+/-0.155 χ^2/NDF: 2182426.7/30

All: 920.237+/-0.110 χ^2/NDF: 4340262.8/62

- sign 916.280+/-0.156 χ^2/NDF: 2156560.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/14

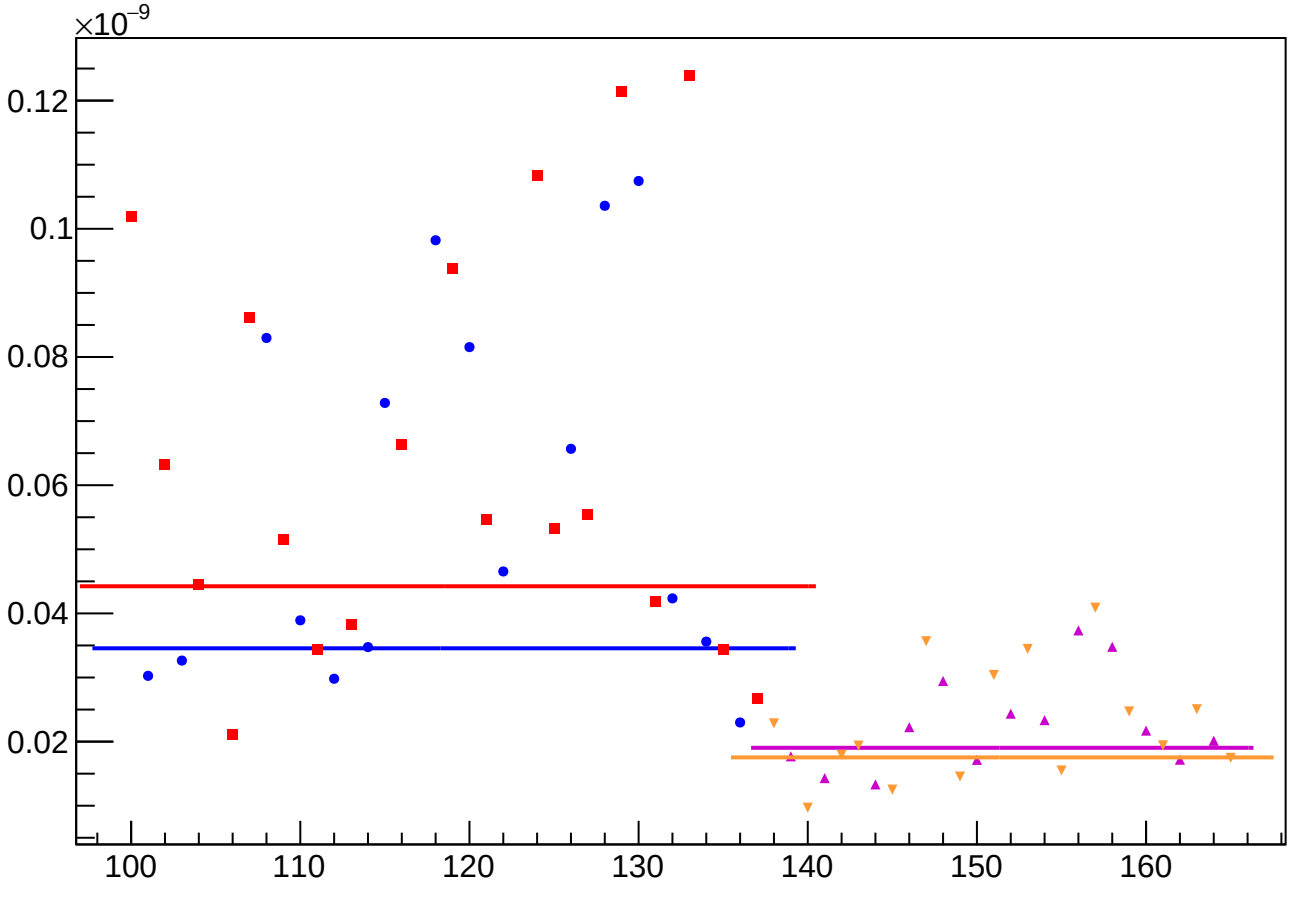
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 37.7/30

All: -0.000+/-0.000 χ^2/NDF: 69.5/62

- sign -0.000+/-0.000 χ^2/NDF: 31.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1374231.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

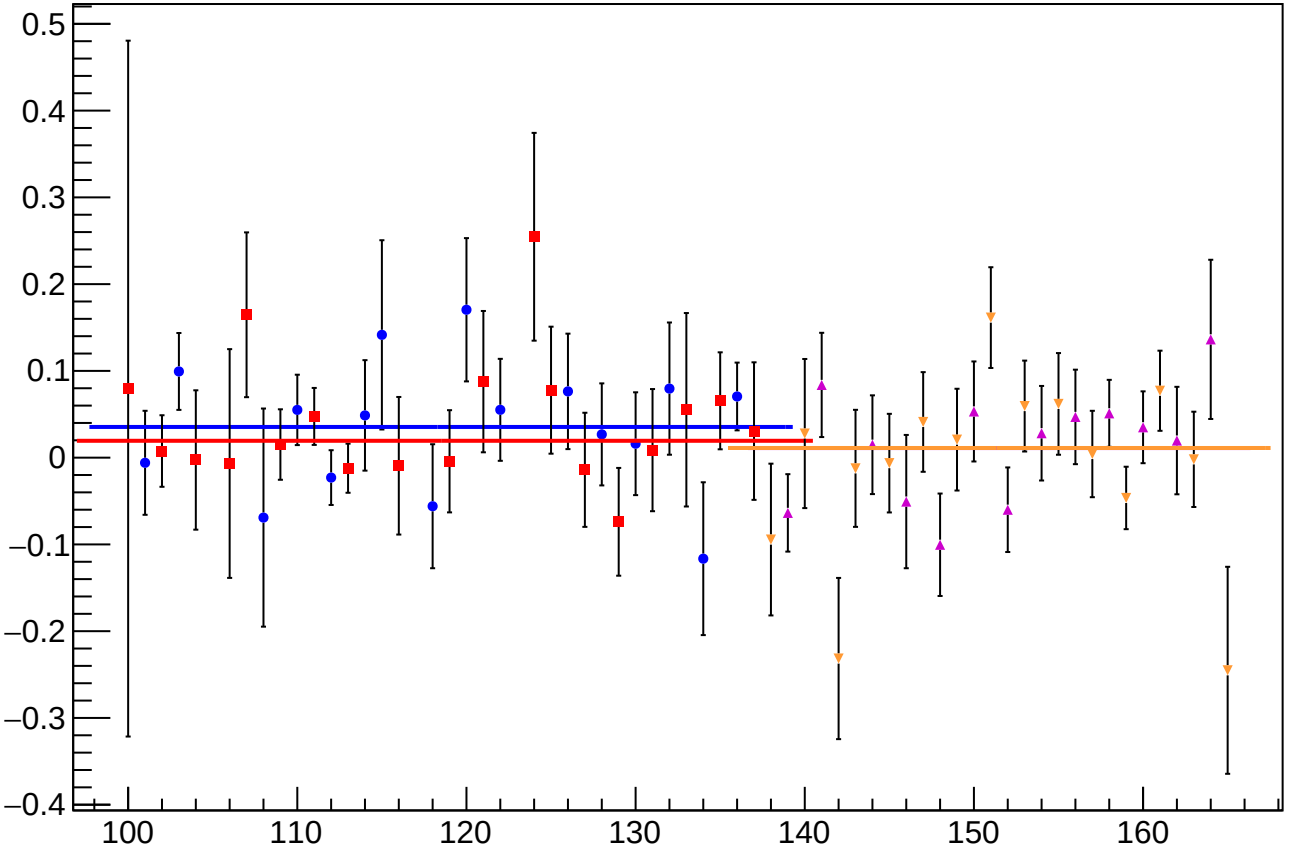
Left In: 0.000+/-0.000 χ^2/NDF:674552.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 3609156.5/30

All: 0.000+/-0.000 χ^2/NDF: 6962844.6/62

- sign 0.000+/-0.000 χ^2/NDF: 3297328.7/31

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: 0.011+/-0.015 χ^2/NDF:26.4/14

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

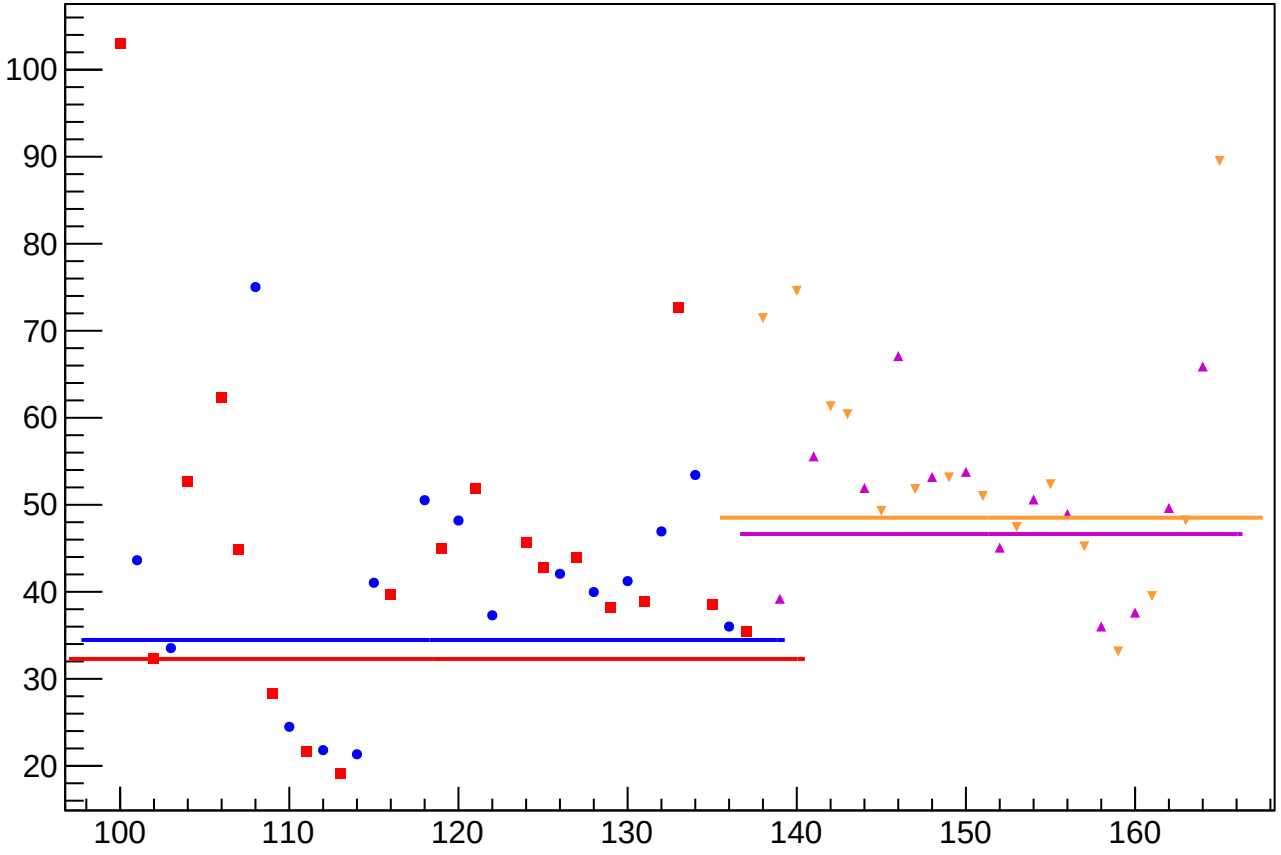
Left In: 0.011+/-0.015 χ^2/NDF:15.0/12

+ sign 0.024+/-0.010 χ^2/NDF: 44.8/30

All: 0.020+/-0.007 χ^2/NDF: 73.7/62

- sign 0.016+/-0.010 χ^2/NDF: 28.5/31

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: 48.522+/-0.011 χ^2/NDF:1139955.8/14

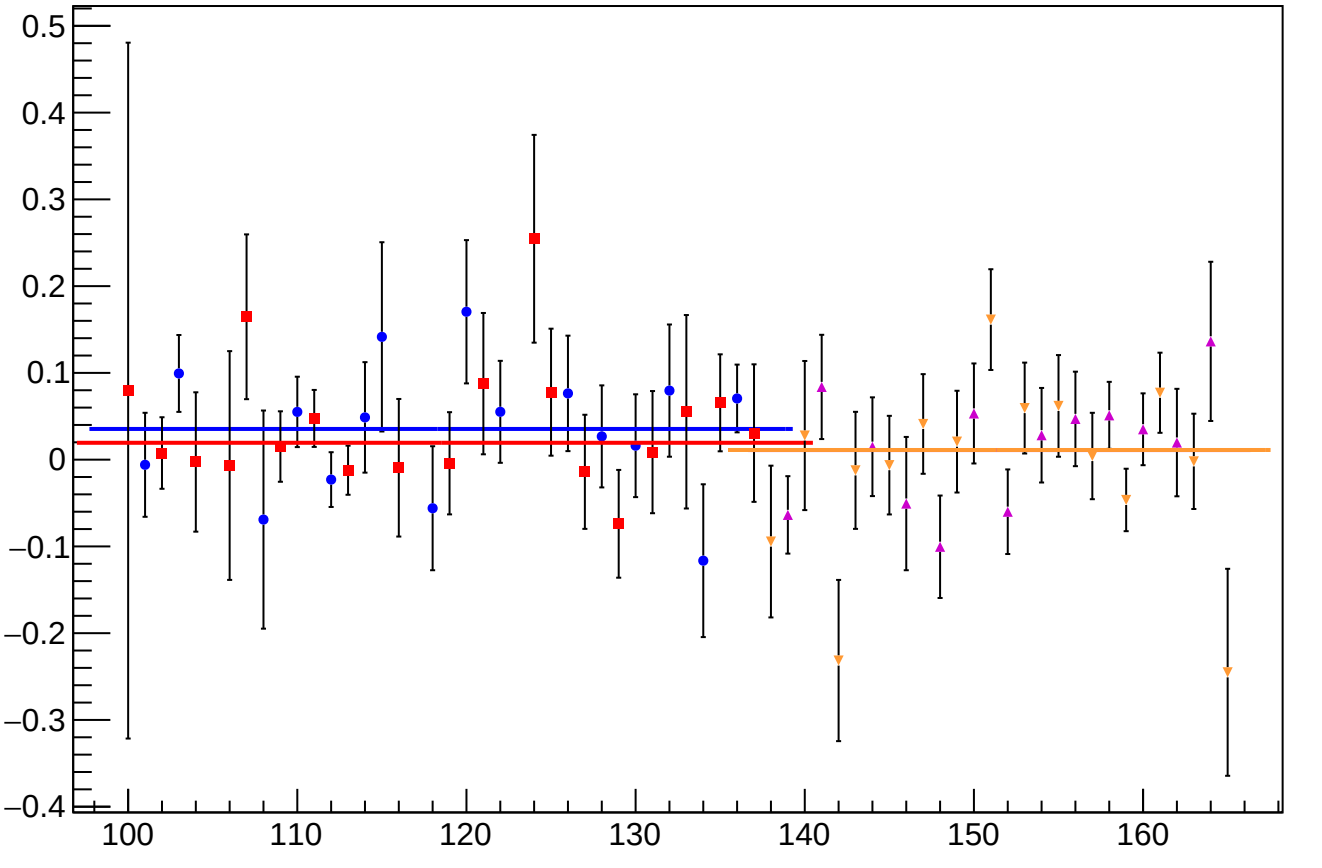
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

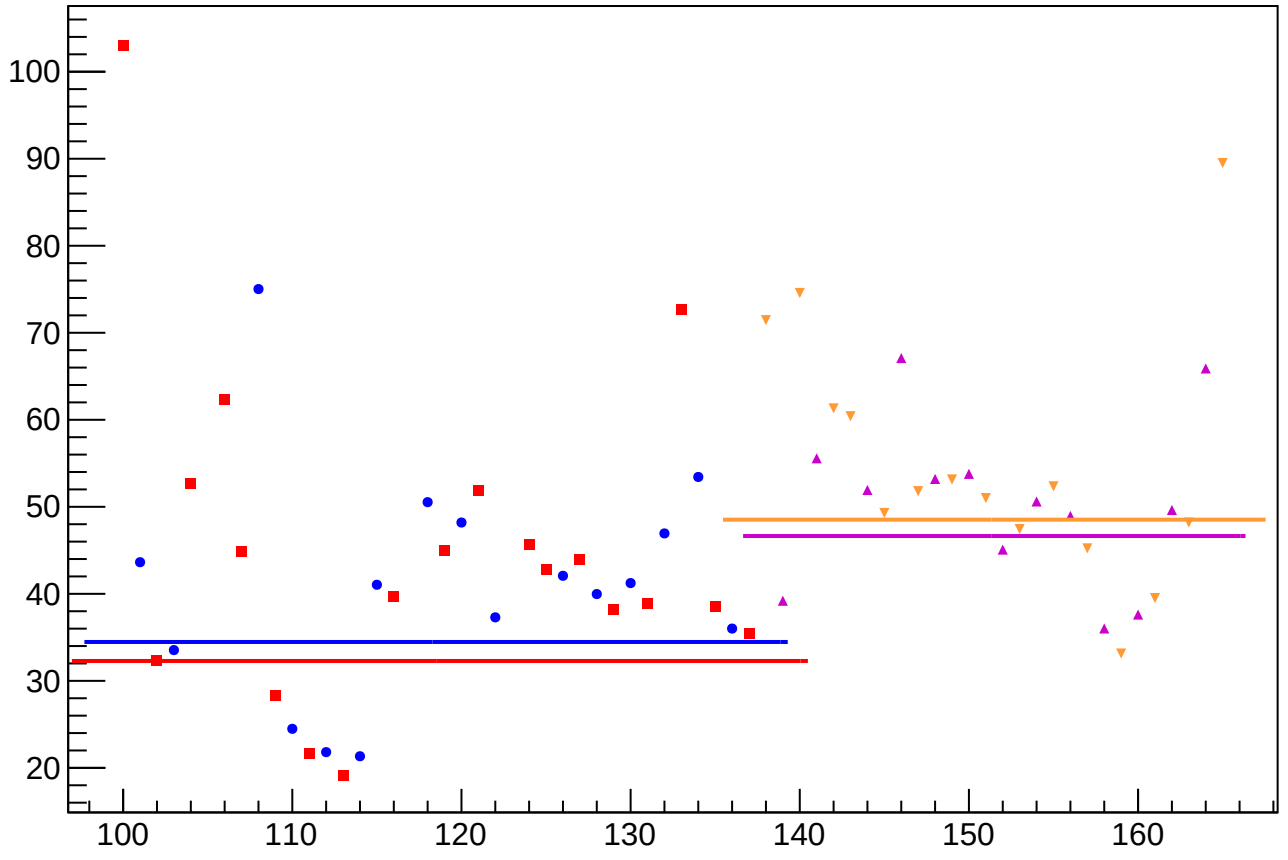
Left In: 46.644+/-0.010 χ^2/NDF:669886.0/12

+ sign 41.003+/-0.007 χ^2/NDF: 3263020.6/30

All: 39.766+/-0.005 χ^2/NDF: 6717965.2/62

- sign 38.612+/-0.007 χ^2/NDF: 3397667.4/31


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.011+/-0.015 χ²/NDF:26.4/14
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.011+/-0.015 χ²/NDF:15.0/12
+ sign 0.024+/-0.010 χ²/NDF: 44.8/30
All: 0.020+/-0.007 χ²/NDF: 73.7/62
- sign 0.016+/-0.010 χ²/NDF: 28.5/31



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.522+/-0.011 χ^2/NDF:1139955.8/14

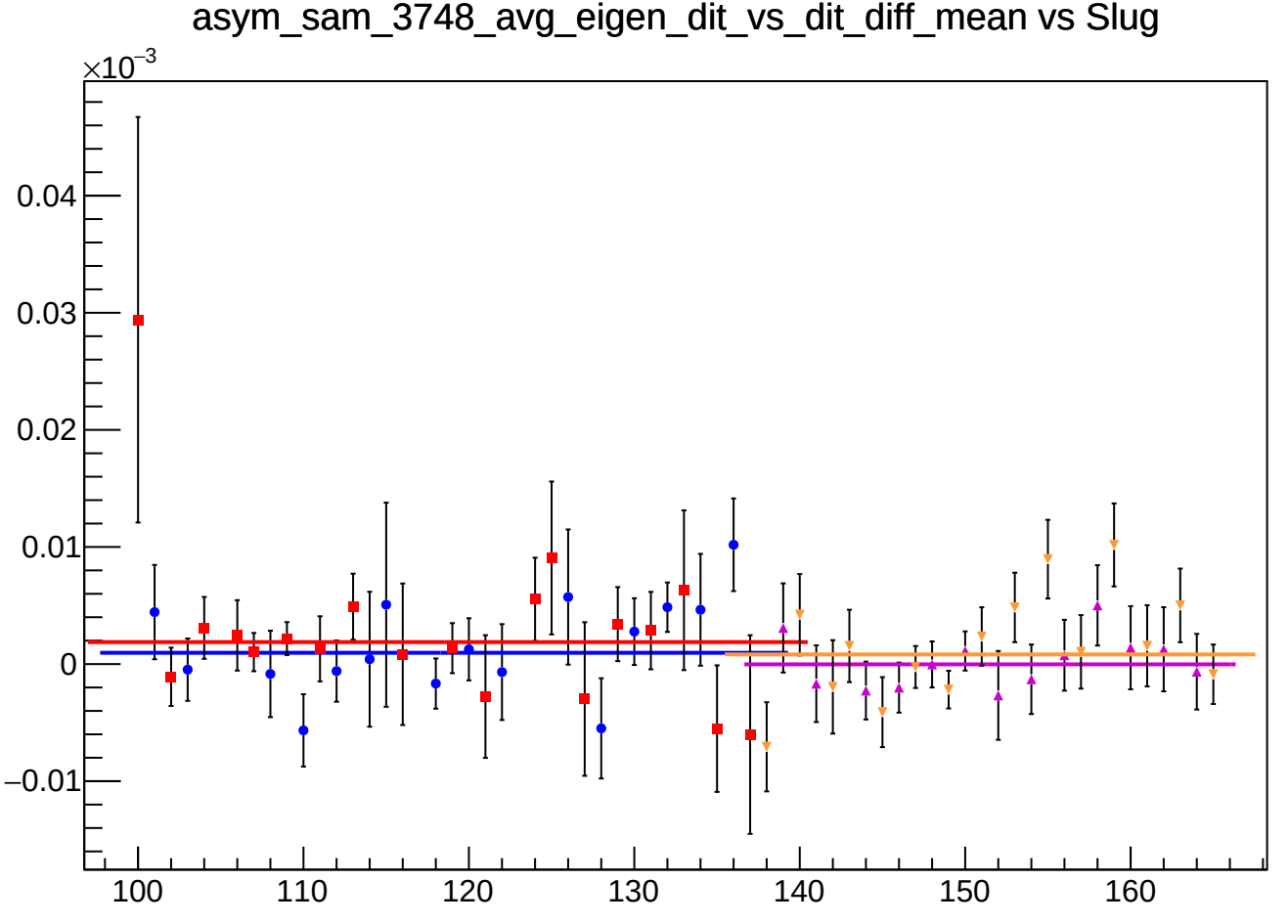
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.644+/-0.010 χ^2/NDF:669886.0/12

+ sign 41.003+/-0.007 χ^2/NDF: 3263020.6/30

All: 39.766+/-0.005 χ^2/NDF: 6717965.2/62

- sign 38.612+/-0.007 χ^2/NDF: 3397667.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.7/14

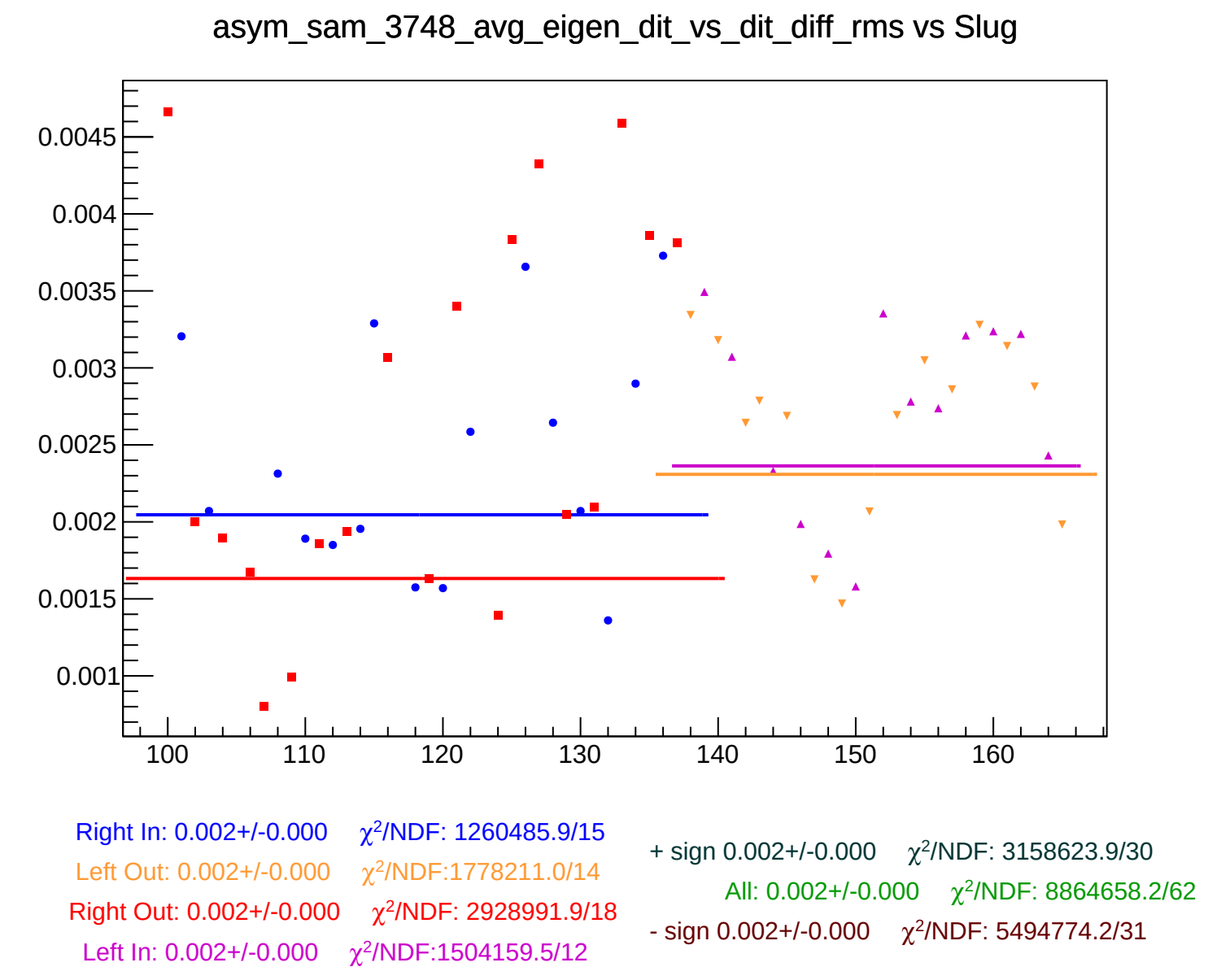
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

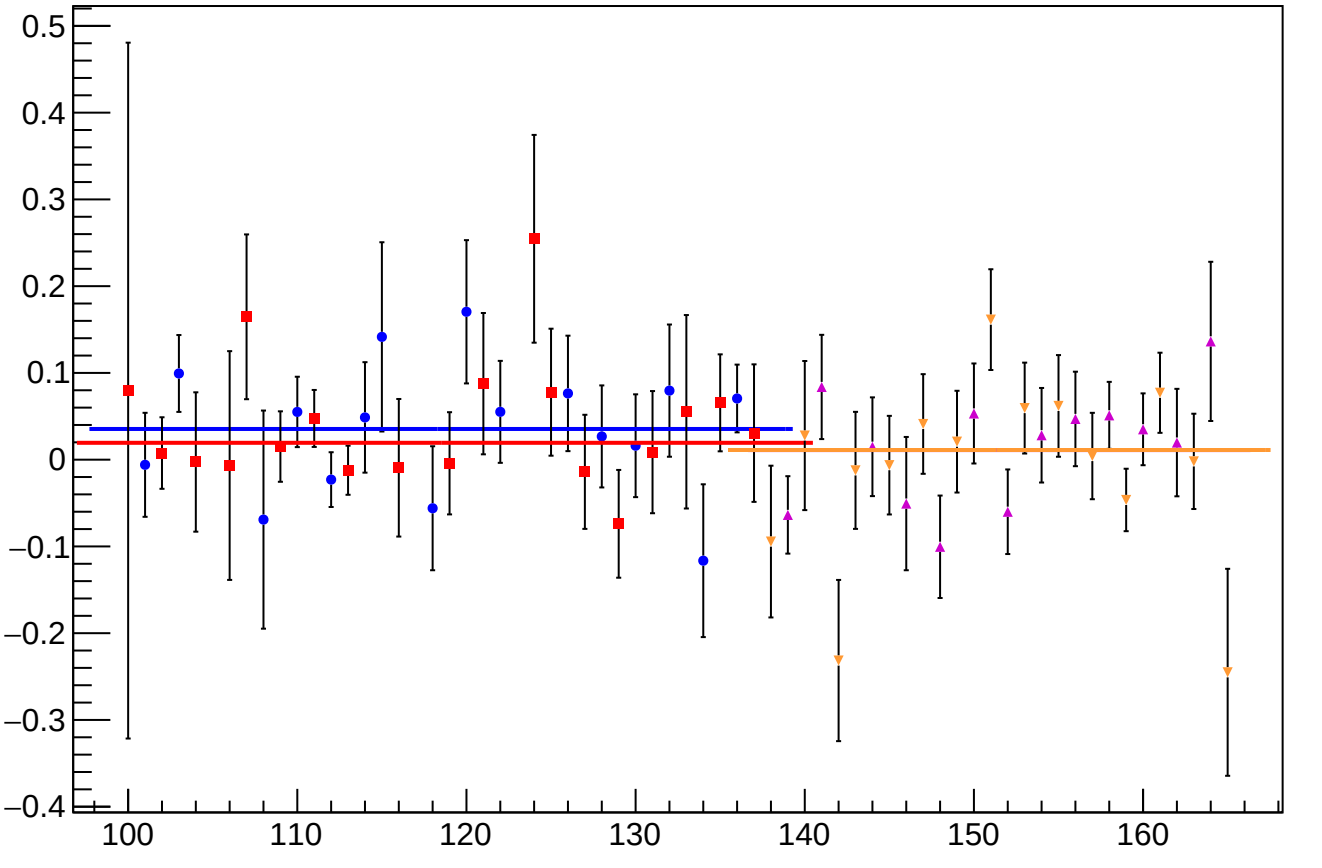
Left In: -0.000+/-0.000 χ^2/NDF:6.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 50.6/30

All: 0.000+/-0.000 χ^2/NDF: 73.4/62

- sign 0.000+/-0.000 χ^2/NDF: 22.8/31


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1778211.0/14
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1504159.5/12
+ sign 0.002+/-0.000 χ²/NDF: 3158623.9/30
All: 0.002+/-0.000 χ²/NDF: 8864658.2/62
- sign 0.002+/-0.000 χ²/NDF: 5494774.2/31



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

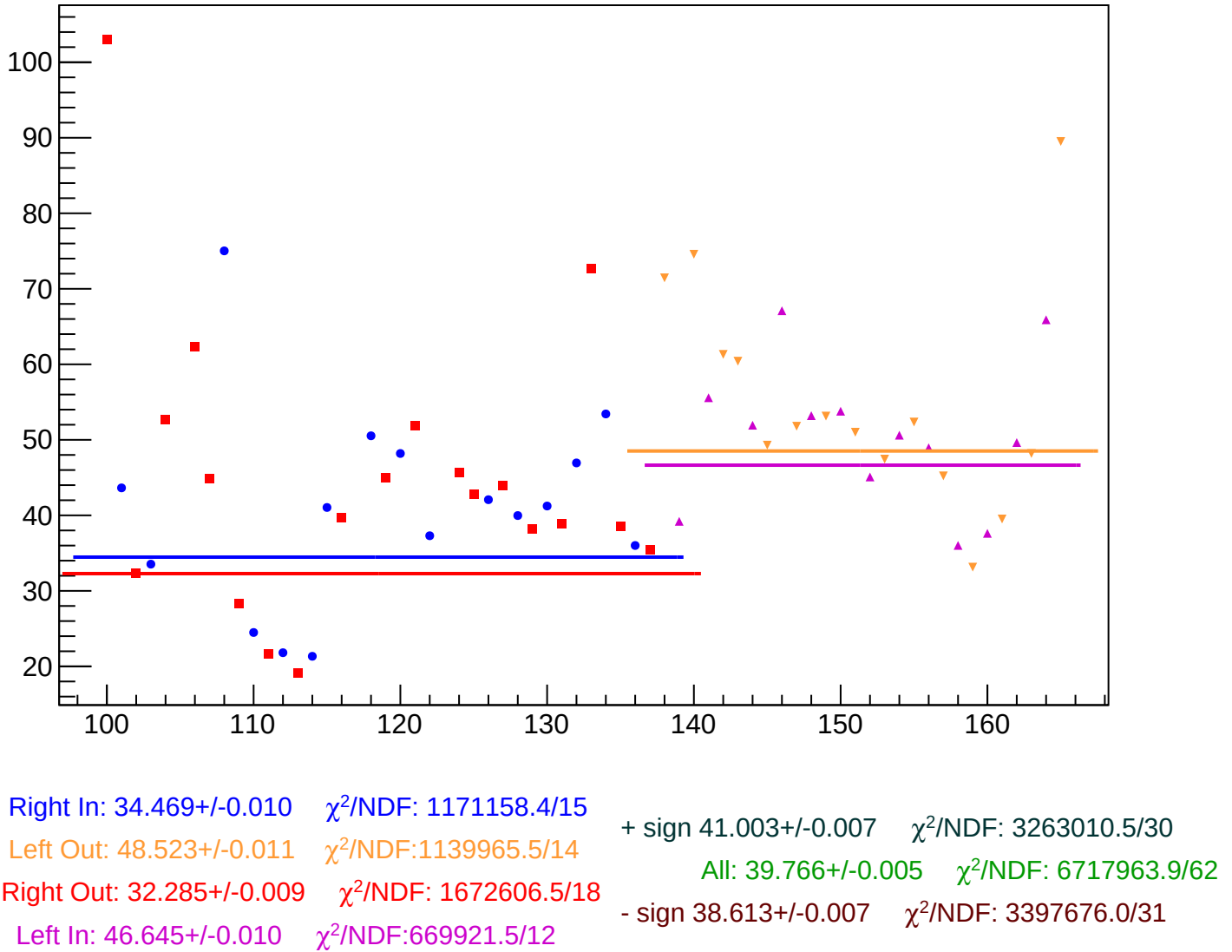
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

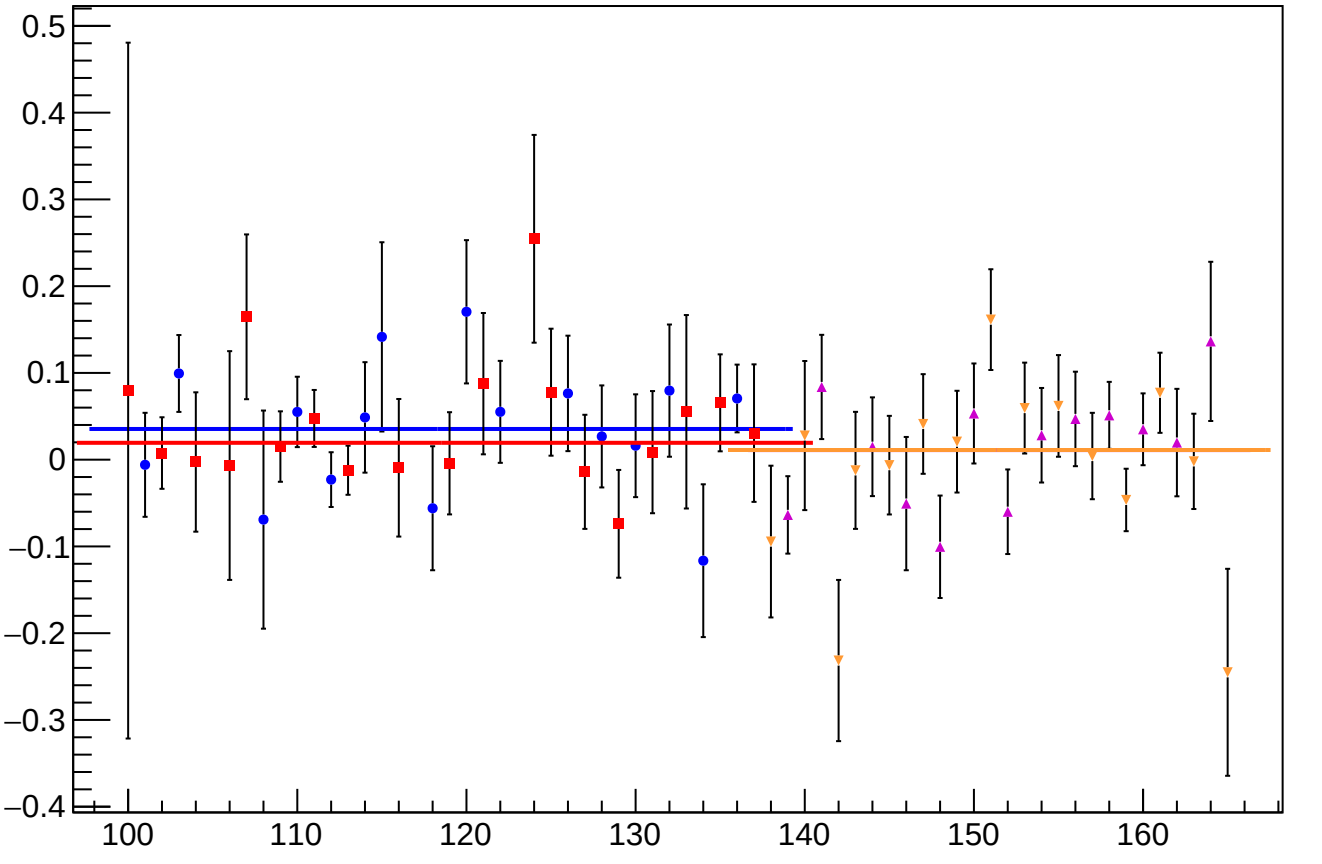
Left In: 0.011+/-0.015 χ^2/NDF:15.0/12

+ sign 0.024+/-0.010 χ^2/NDF: 44.8/30

All: 0.020+/-0.007 χ^2/NDF: 73.7/62

- sign 0.016+/-0.010 χ^2/NDF: 28.5/31


asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 48.523+/-0.011 χ²/NDF:1139965.5/14
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.645+/-0.010 χ²/NDF:669921.5/12
+ sign 41.003+/-0.007 χ²/NDF: 3263010.5/30
All: 39.766+/-0.005 χ²/NDF: 6717963.9/62
- sign 38.613+/-0.007 χ²/NDF: 3397676.0/31



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.011+/-0.015 χ^2/NDF:26.4/14

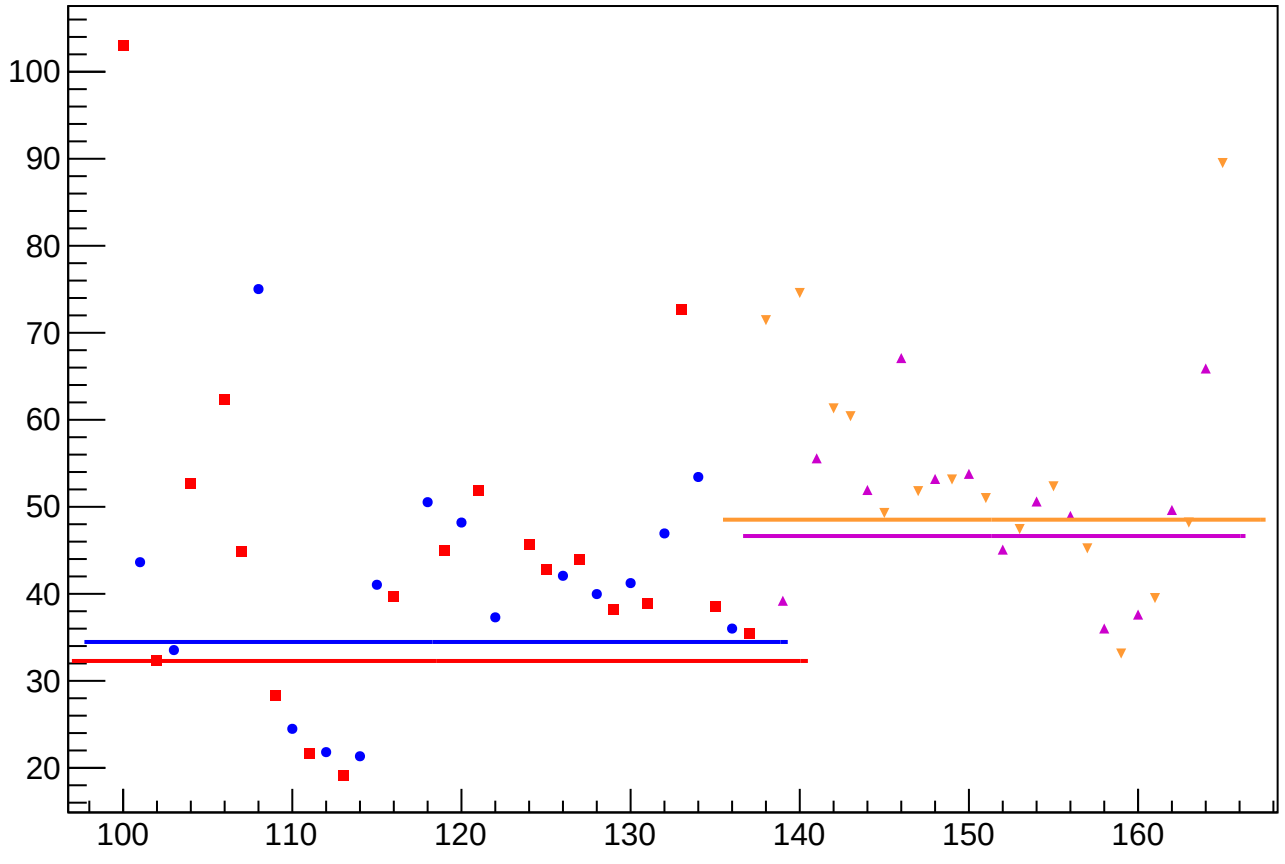
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.011+/-0.015 χ^2/NDF:15.0/12

+ sign 0.024+/-0.010 χ^2/NDF: 44.8/30

All: 0.020+/-0.007 χ^2/NDF: 73.7/62

- sign 0.016+/-0.010 χ^2/NDF: 28.5/31



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.523+/-0.011 χ^2/NDF:1139965.5/14

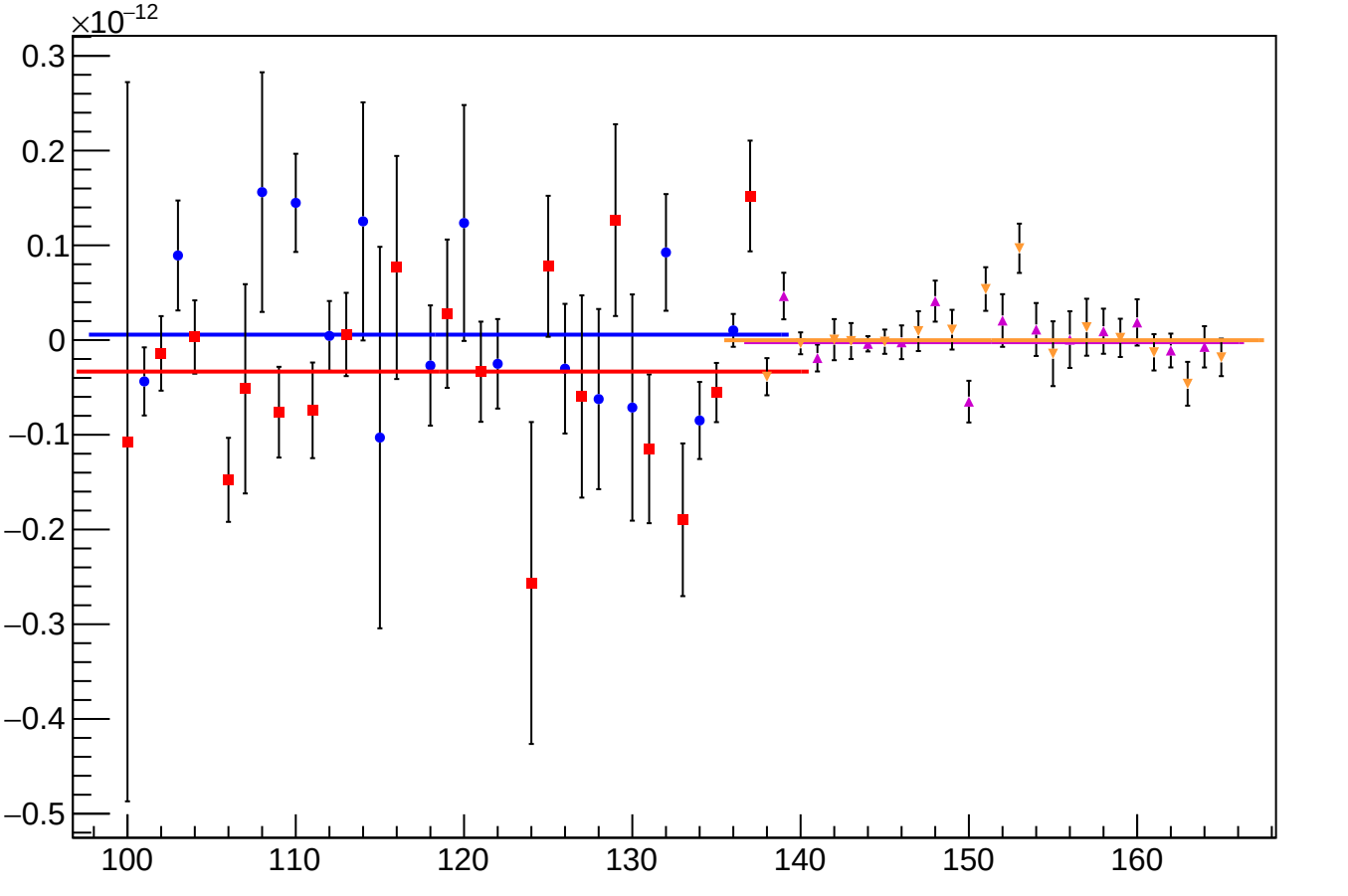
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.645+/-0.010 χ^2/NDF:669921.5/12

+ sign 41.003+/-0.007 χ^2/NDF: 3263010.5/30

All: 39.766+/-0.005 χ^2/NDF: 6717963.9/62

- sign 38.613+/-0.007 χ^2/NDF: 3397676.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/14

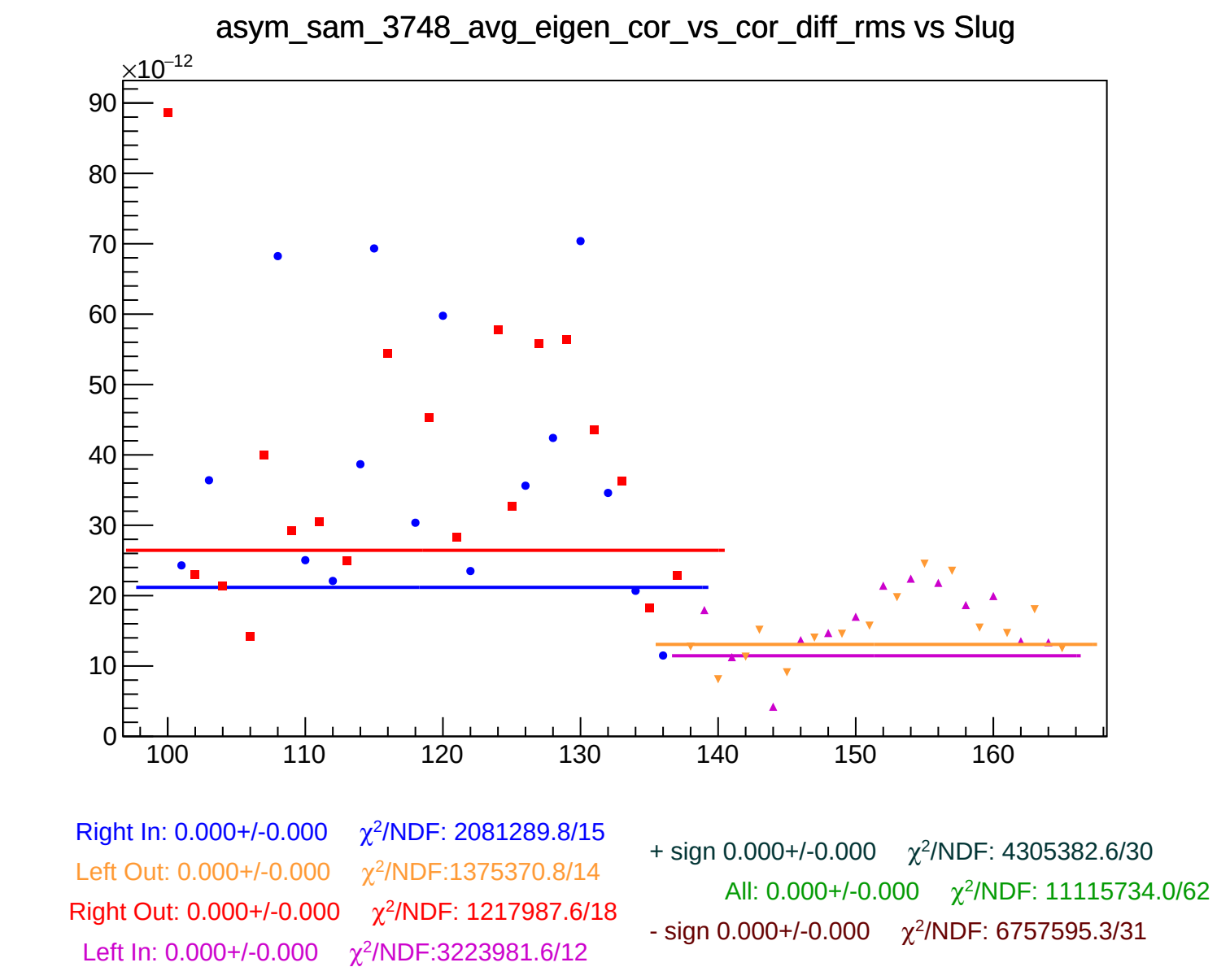
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/12

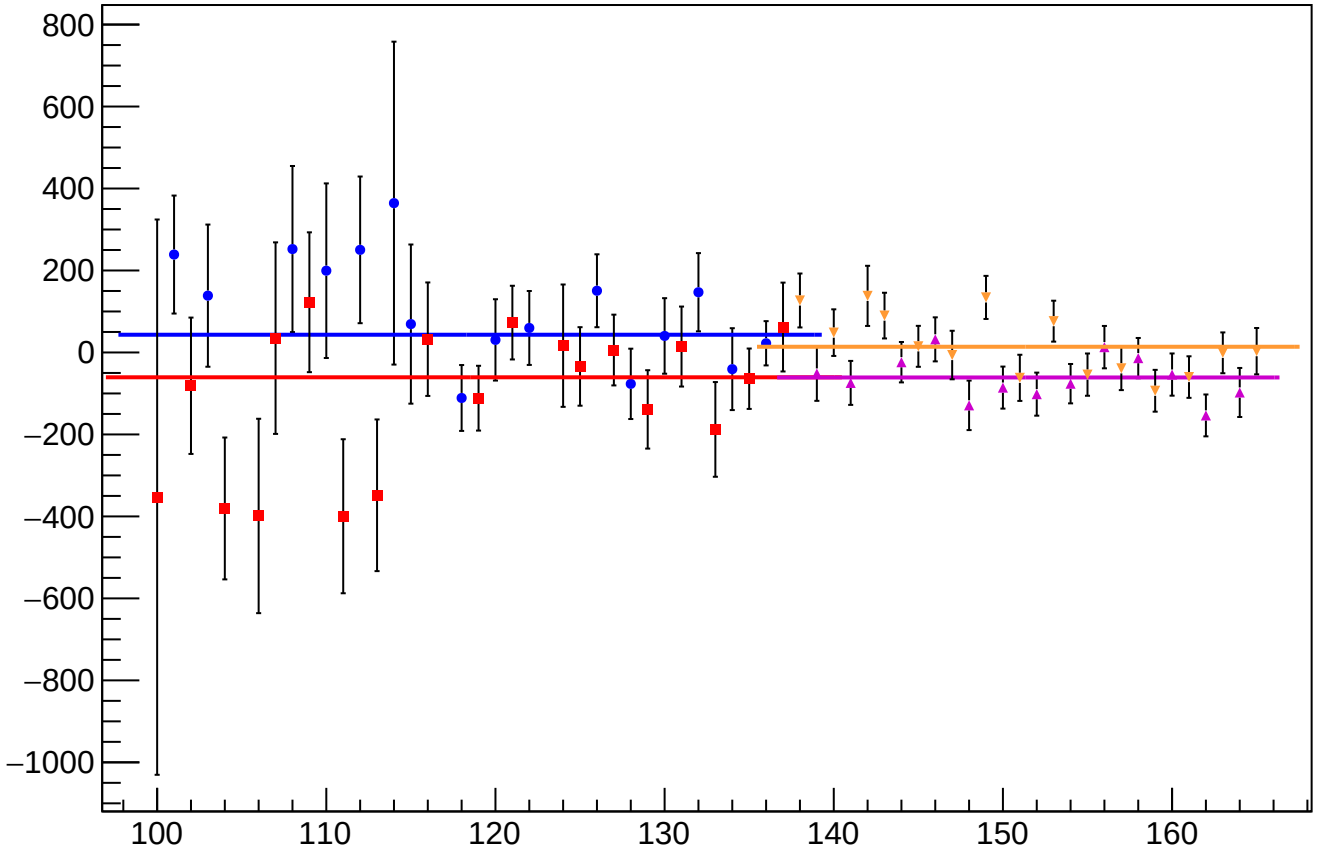
+ sign 0.000+/-0.000 χ^2/NDF: 53.3/30

All: -0.000+/-0.000 χ^2/NDF: 112.5/62

- sign -0.000+/-0.000 χ^2/NDF: 58.1/31


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1375370.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3223981.6/12
+ sign 0.000+/-0.000 χ²/NDF: 4305382.6/30
All: 0.000+/-0.000 χ²/NDF: 11115734.0/62
- sign 0.000+/-0.000 χ²/NDF: 6757595.3/31

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 13.918+/-14.096 χ^2/NDF:26.2/14

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

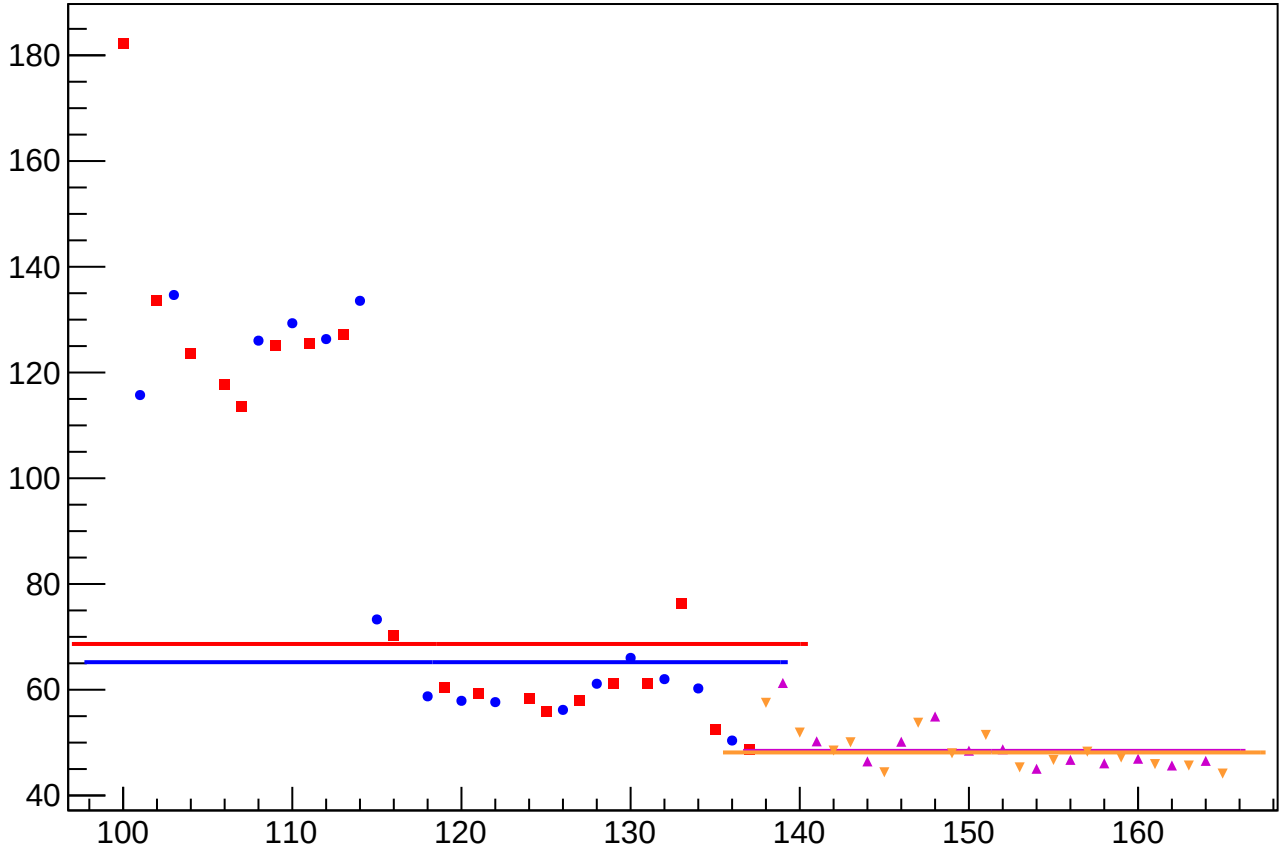
Left In: -61.009+/-14.730 χ^2/NDF:12.5/12

+ sign 20.668+/-12.368 χ^2/NDF: 42.1/30

All: -18.344+/-8.934 χ^2/NDF: 95.8/62

- sign -60.910+/-12.919 χ^2/NDF: 32.9/31

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 48.139+/-0.010 χ^2/NDF:115532.6/14

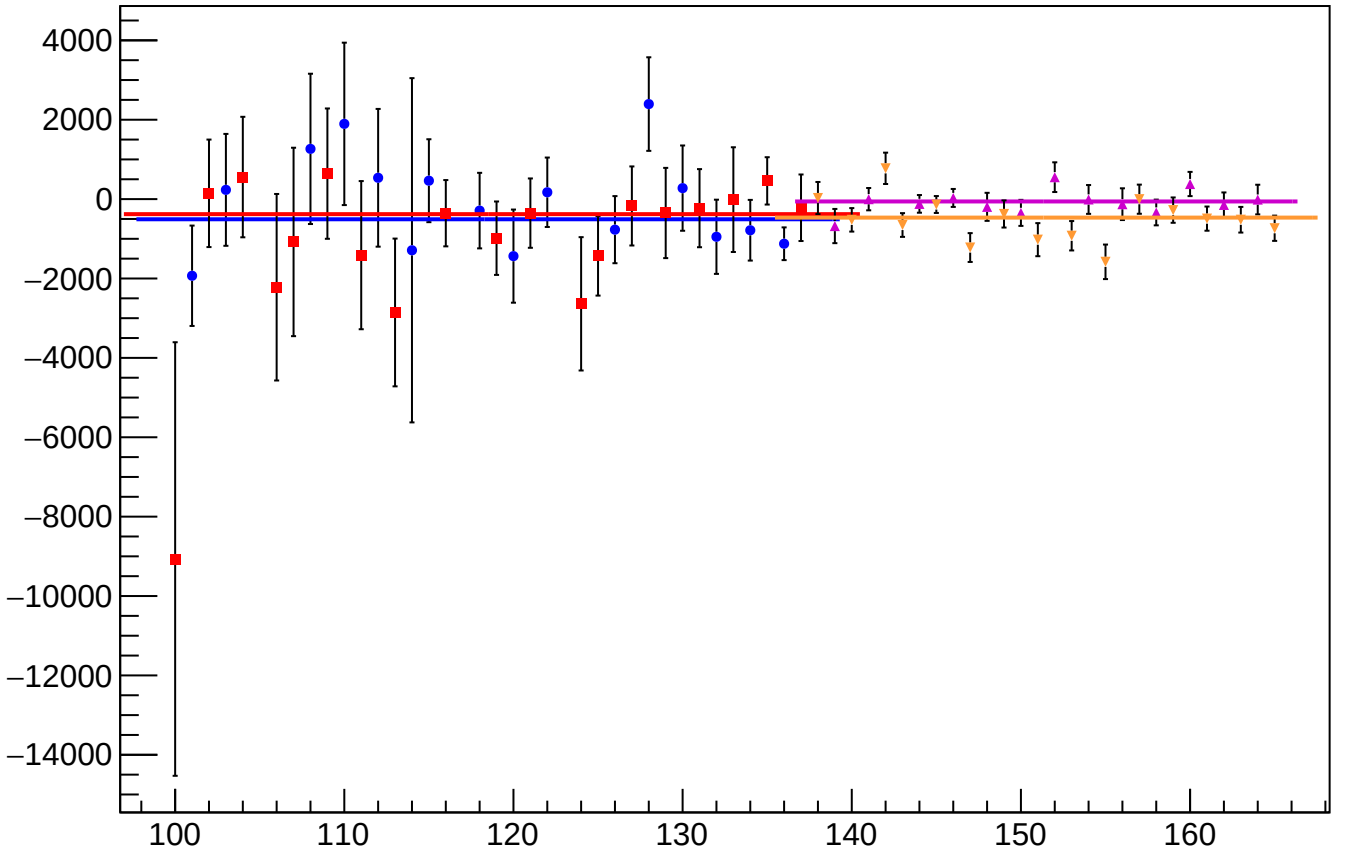
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

+ sign 52.069+/-0.009 χ^2/NDF: 2237332.0/30

All: 52.562+/-0.006 χ^2/NDF: 4885883.1/62

- sign 53.100+/-0.009 χ^2/NDF: 2641897.1/31



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -465.793+/-84.777 χ^2/NDF:31.1/14

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

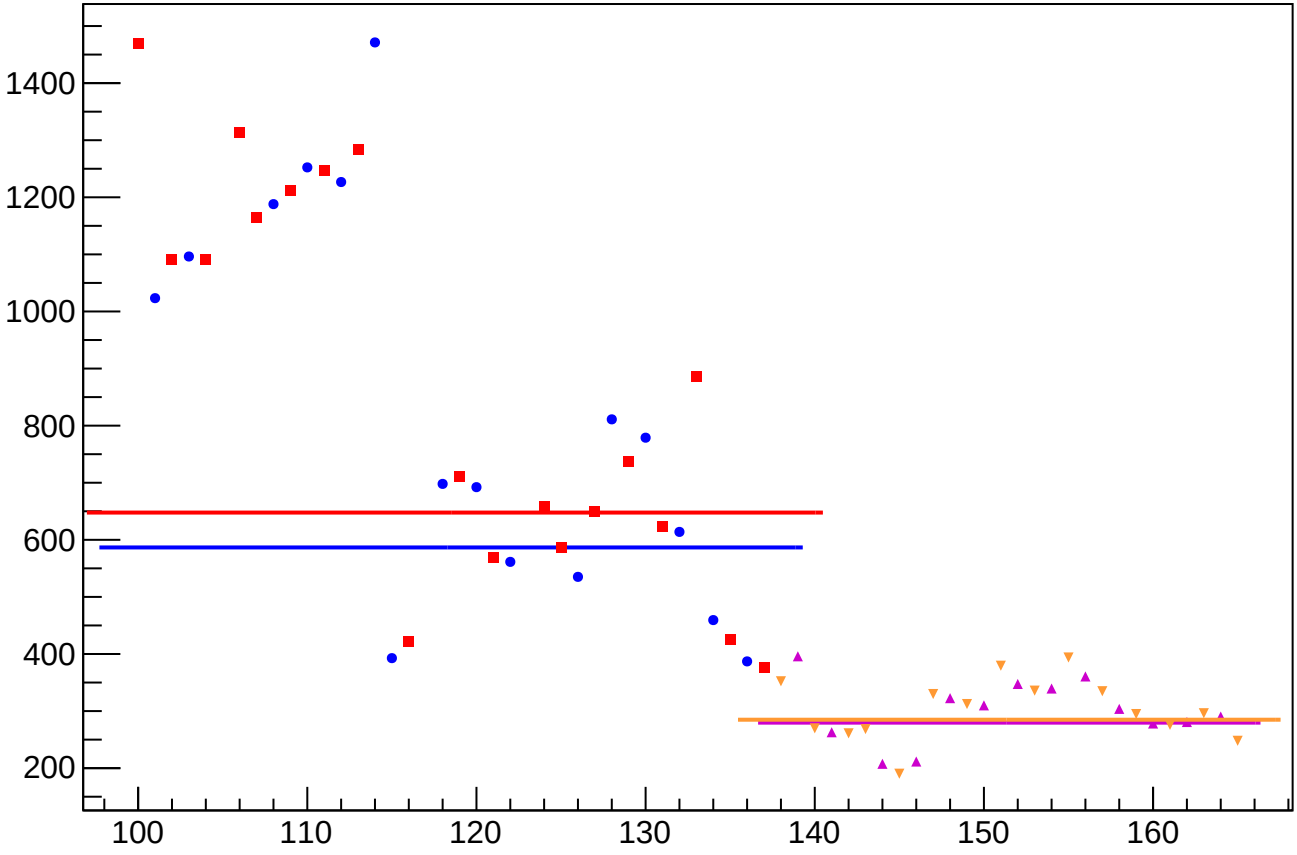
Left In: -59.084+/-86.518 χ^2/NDF:8.9/12

+ sign -470.575+/-79.822 χ^2/NDF: 46.8/30

All: -286.219+/-57.189 χ^2/NDF: 79.8/62

- sign -91.774+/-81.977 χ^2/NDF: 22.0/31

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 284.877+/-0.060 χ^2/NDF:848639.7/14

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

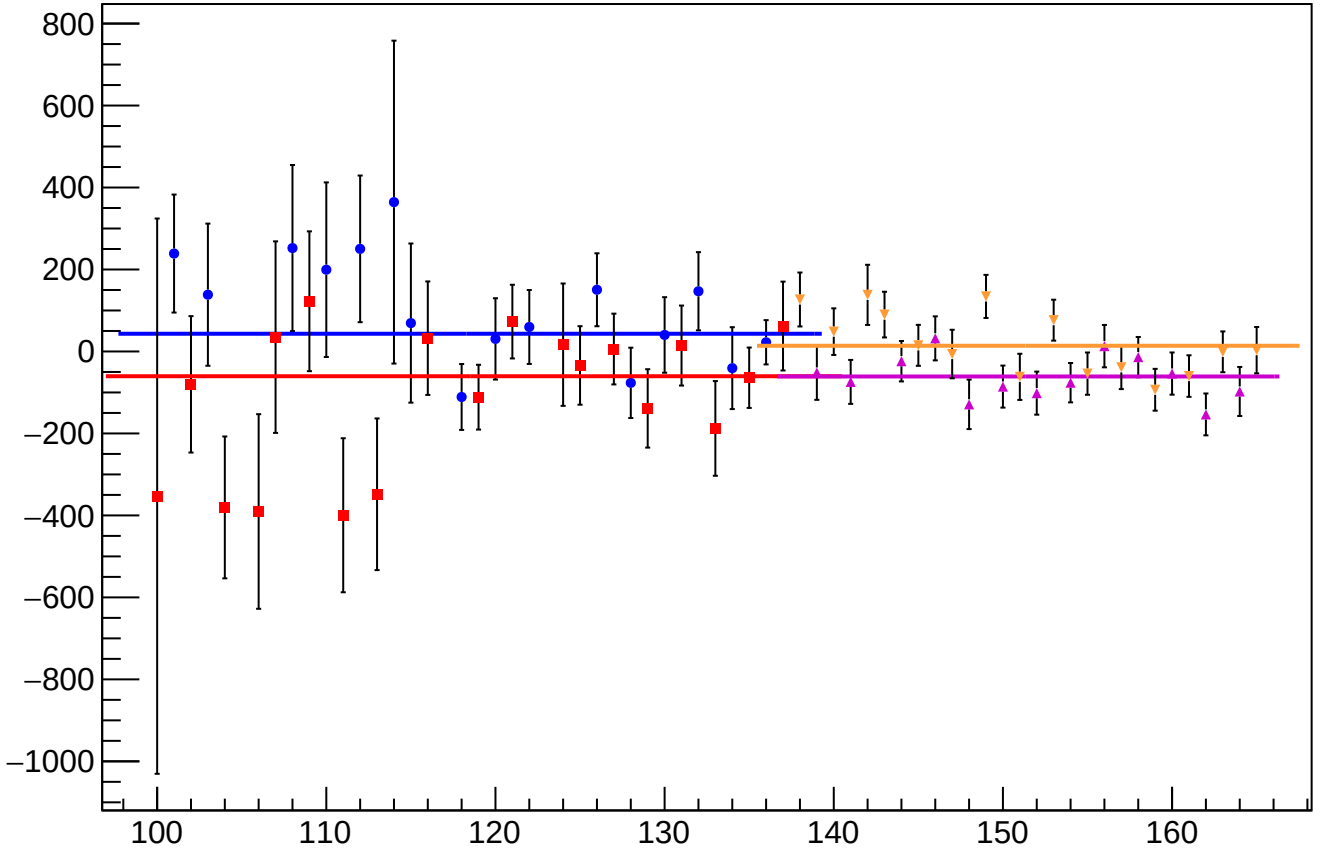
Left In: 279.756+/-0.061 χ^2/NDF:804169.2/12

+ sign 319.124+/-0.056 χ^2/NDF: 5777630.8/30

All: 318.270+/-0.040 χ^2/NDF: 12386102.5/62

- sign 317.370+/-0.058 χ^2/NDF: 6608001.6/31

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 13.919+/-14.096 χ^2/NDF:26.2/14

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

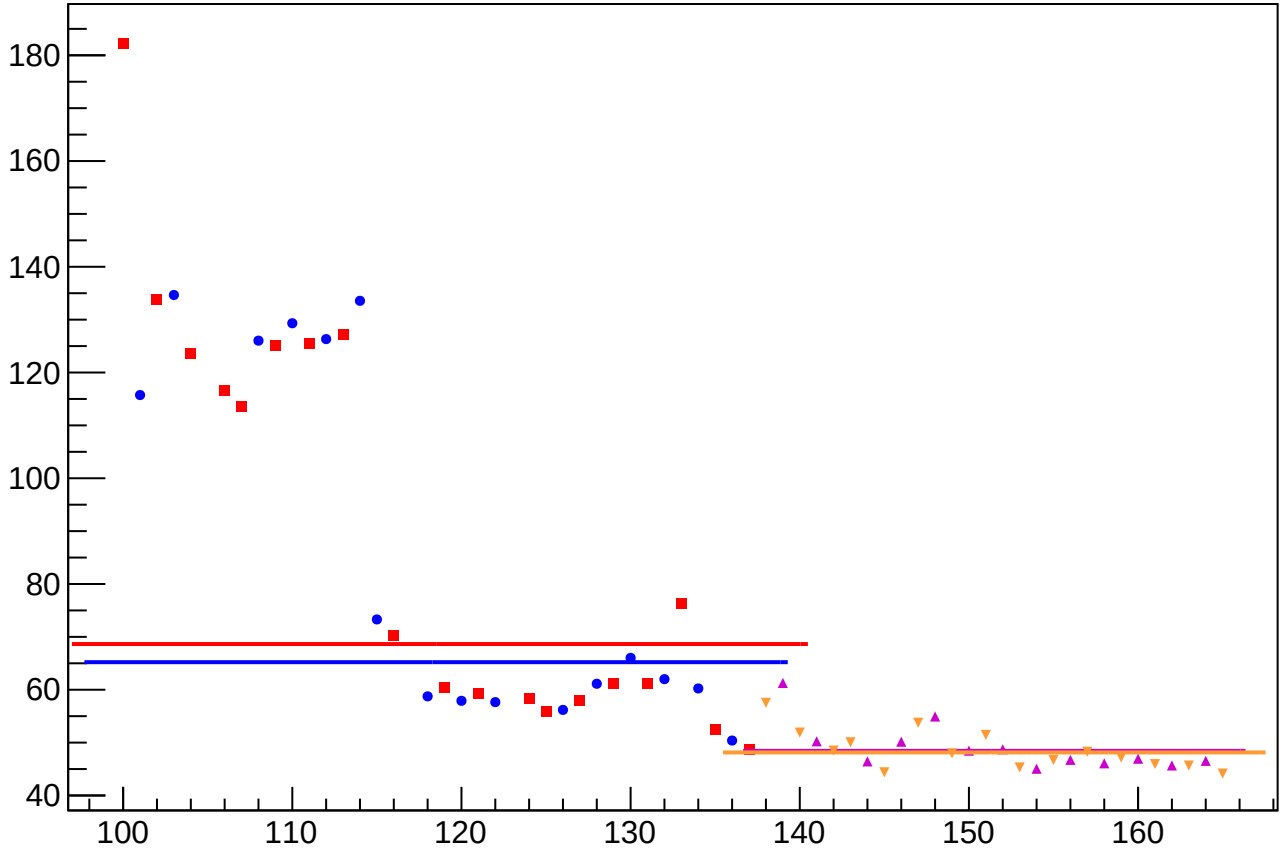
Left In: -61.008+/-14.730 χ^2/NDF:12.5/12

+ sign 20.668+/-12.368 χ^2/NDF: 42.1/30

All: -18.328+/-8.934 χ^2/NDF: 95.7/62

- sign -60.875+/-12.919 χ^2/NDF: 32.8/31

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.139+/-0.010 χ^2/NDF:115532.6/14

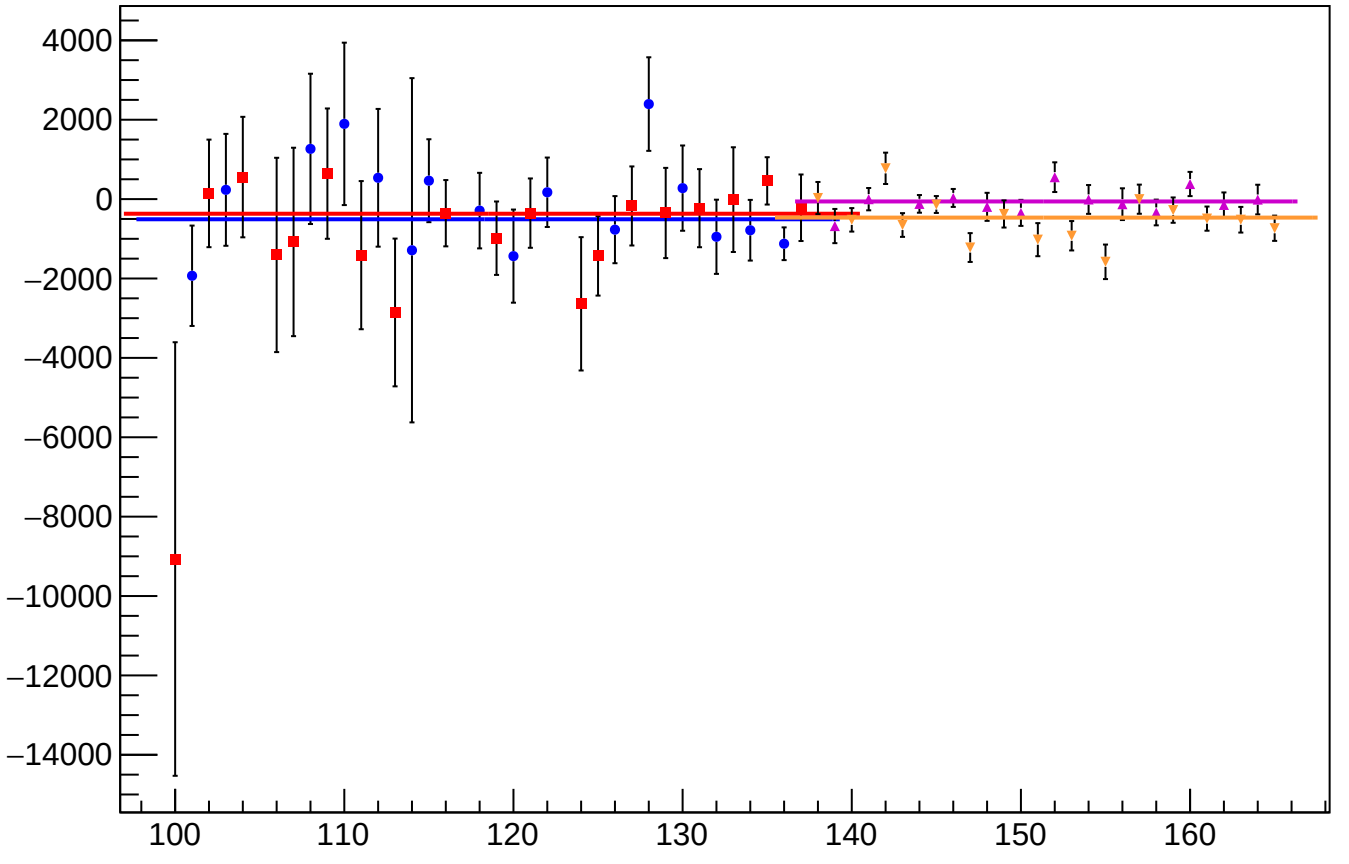
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

+ sign 52.069+/-0.009 χ^2/NDF: 2237334.1/30

All: 52.560+/-0.006 χ^2/NDF: 4881218.8/62

- sign 53.097+/-0.009 χ^2/NDF: 2637276.3/31



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -465.790+/-84.777 χ^2/NDF:31.1/14

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

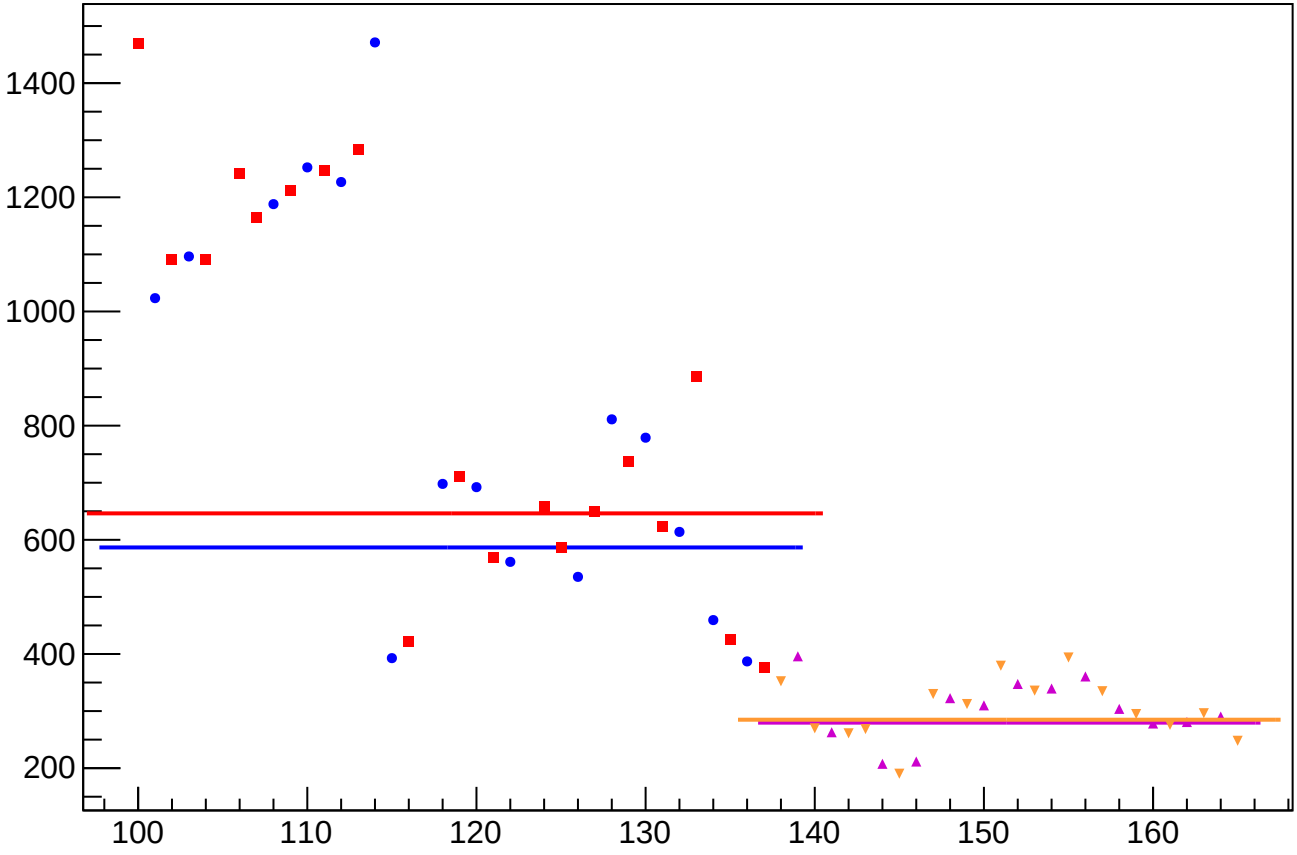
Left In: -59.084+/-86.518 χ^2/NDF:8.9/12

+ sign -470.571+/-79.822 χ^2/NDF: 46.8/30

All: -285.687+/-57.191 χ^2/NDF: 79.3/62

- sign -90.666+/-81.981 χ^2/NDF: 21.5/31

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 284.877+/-0.060 χ^2/NDF:848643.6/14

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

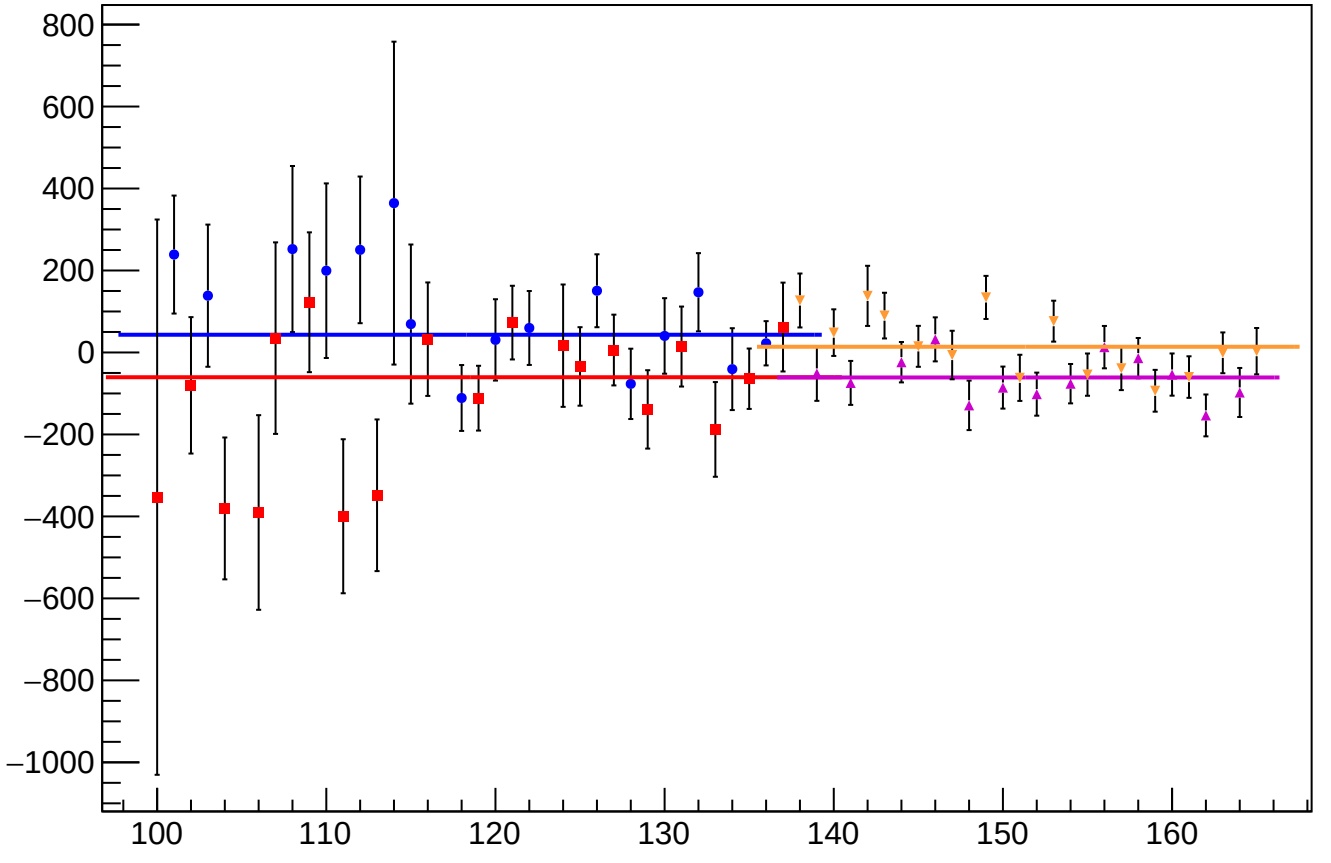
Left In: 279.756+/-0.061 χ^2/NDF:804164.5/12

+ sign 319.124+/-0.056 χ^2/NDF: 5777661.0/30

All: 318.184+/-0.040 χ^2/NDF: 12312265.0/62

- sign 317.193+/-0.058 χ^2/NDF: 6534034.3/31

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 13.919+/-14.096 χ^2/NDF:26.2/14

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

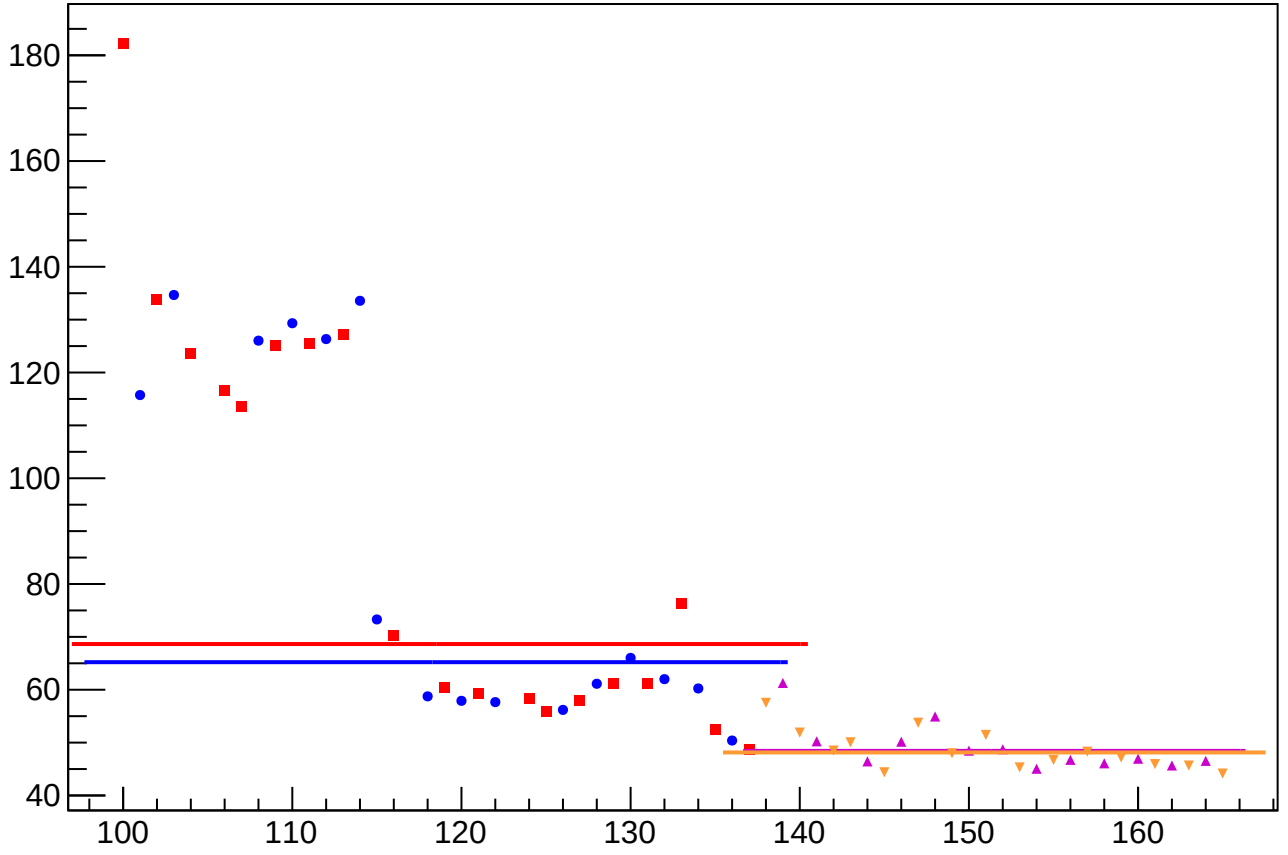
Left In: -61.008+/-14.730 χ^2/NDF:12.5/12

+ sign 20.668+/-12.368 χ^2/NDF: 42.1/30

All: -18.328+/-8.934 χ^2/NDF: 95.7/62

- sign -60.875+/-12.919 χ^2/NDF: 32.8/31

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.139+/-0.010 χ^2/NDF:115532.6/14

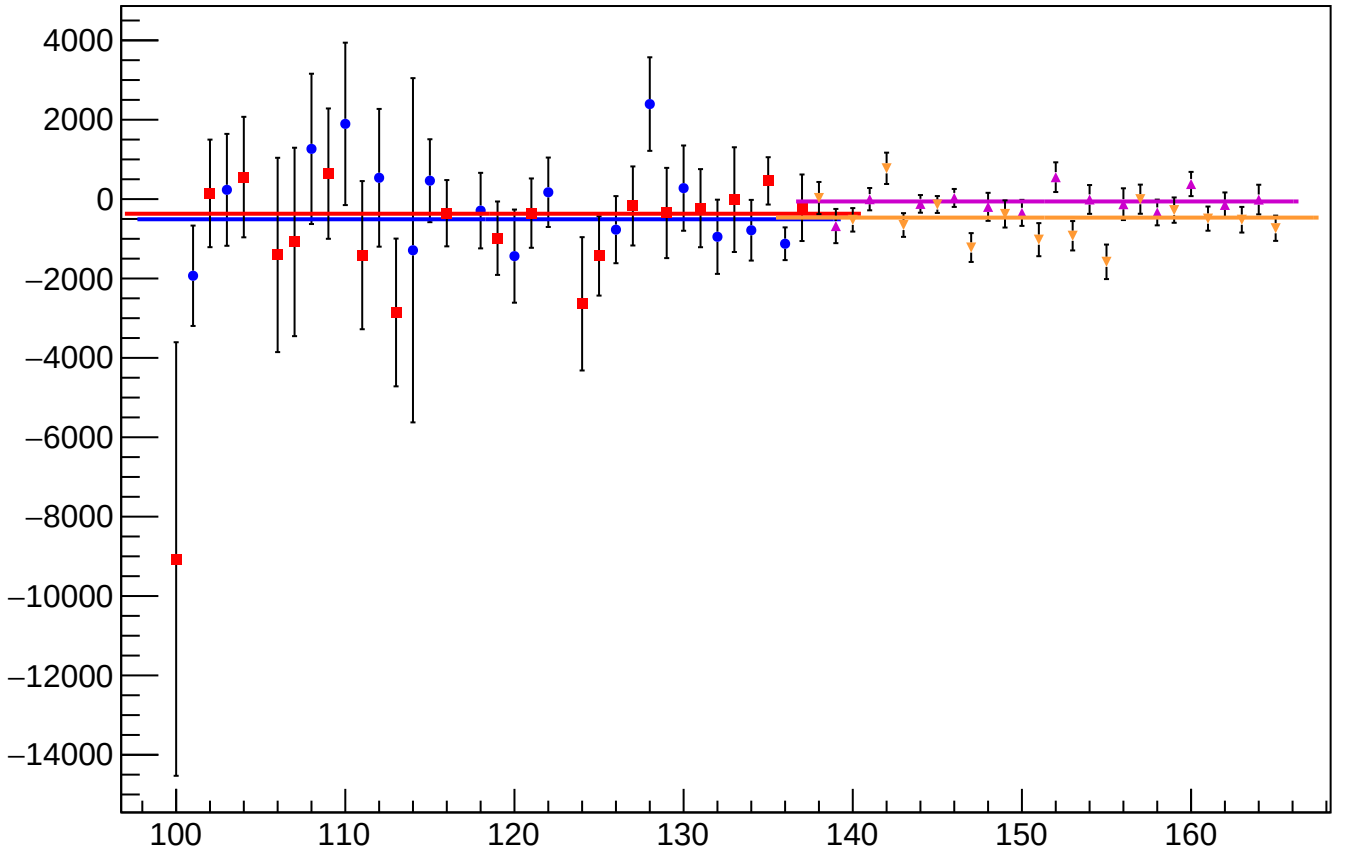
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

+ sign 52.069+/-0.009 χ^2/NDF: 2237334.1/30

All: 52.560+/-0.006 χ^2/NDF: 4881218.8/62

- sign 53.097+/-0.009 χ^2/NDF: 2637276.3/31



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -465.790+/-84.777 χ^2/NDF:31.1/14

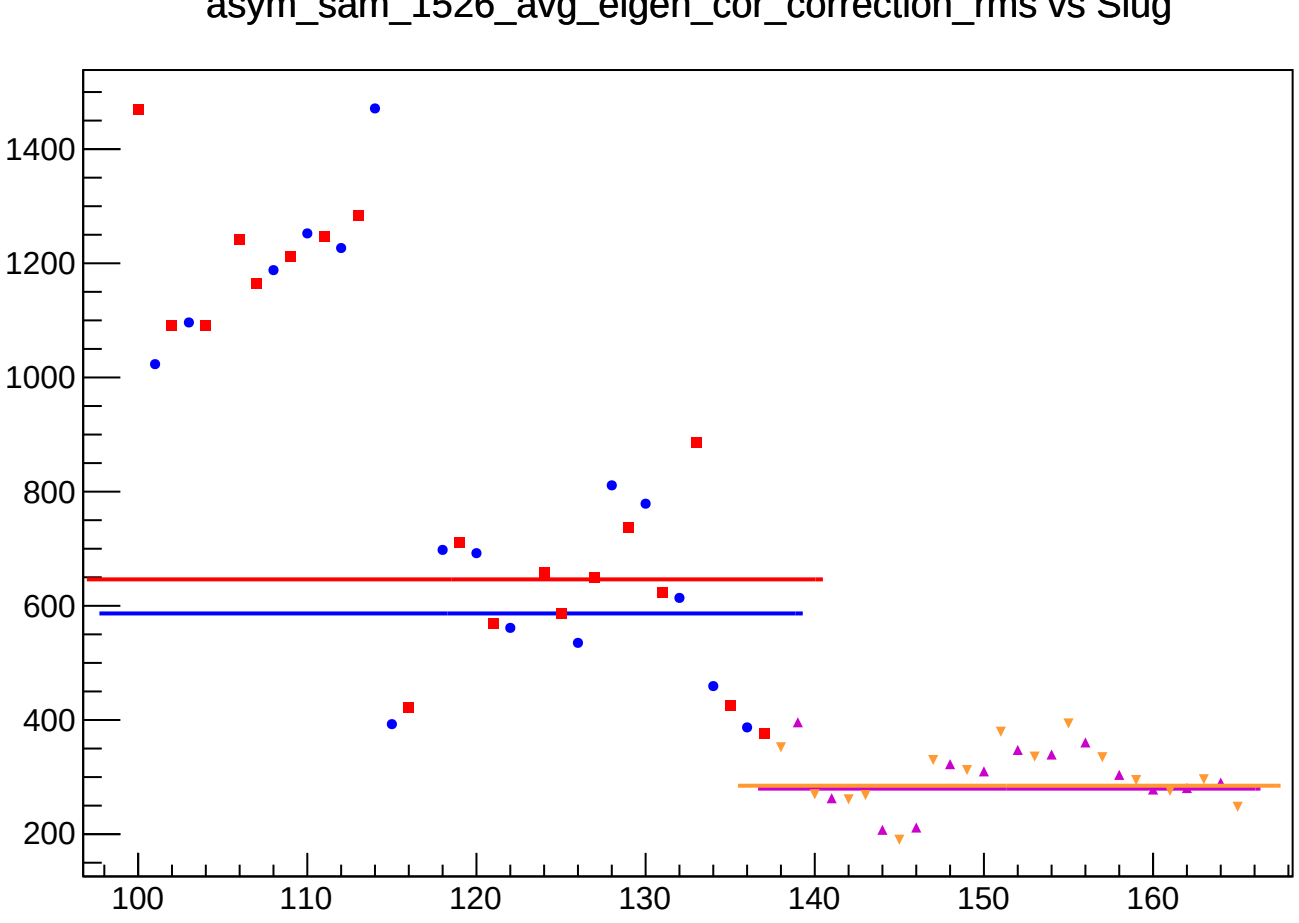
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -59.084+/-86.518 χ^2/NDF:8.9/12

+ sign -470.571+/-79.822 χ^2/NDF: 46.8/30

All: -285.687+/-57.191 χ^2/NDF: 79.3/62

- sign -90.666+/-81.981 χ^2/NDF: 21.5/31



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 284.877+/-0.060 χ^2/NDF:848643.6/14

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

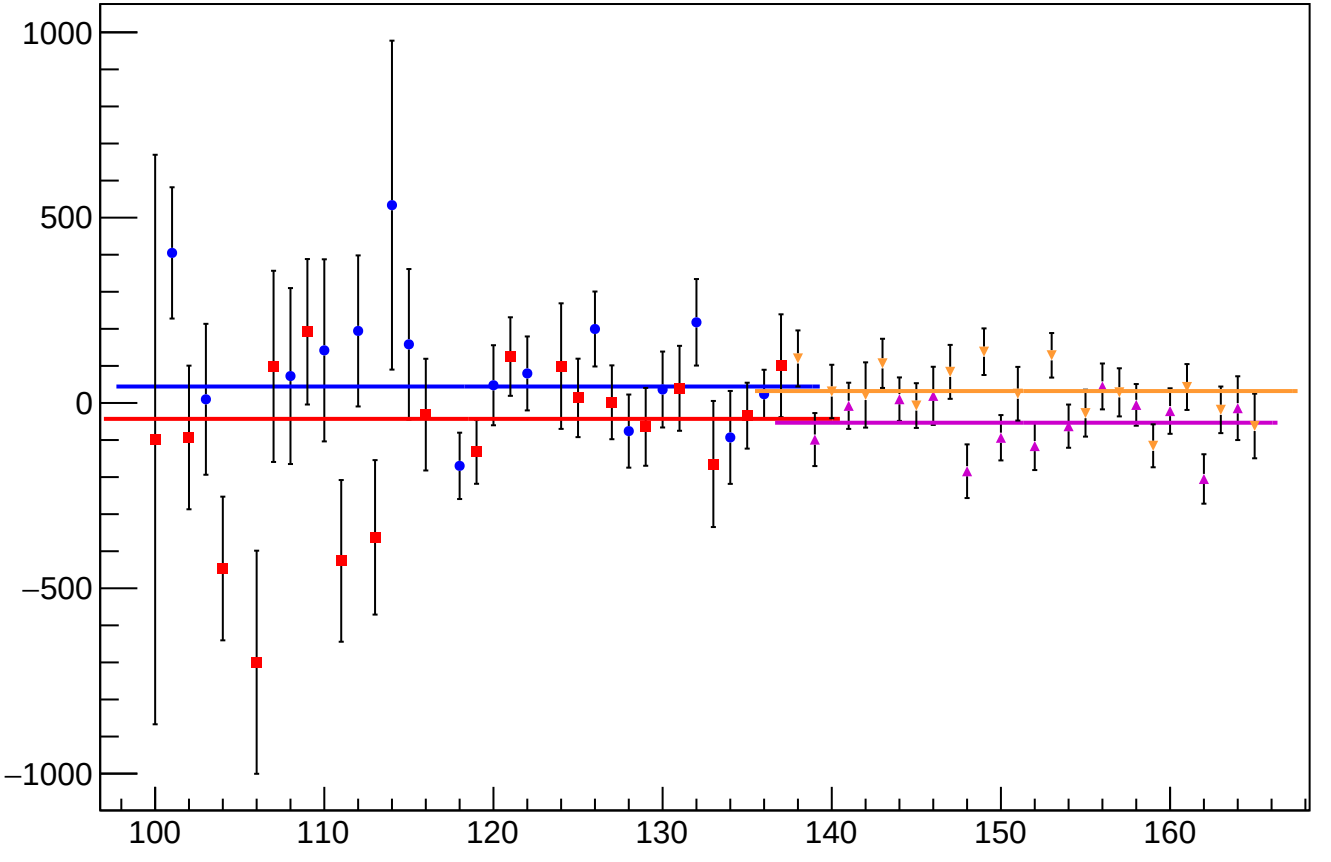
Left In: 279.756+/-0.061 χ^2/NDF:804164.5/12

+ sign 319.124+/-0.056 χ^2/NDF: 5777661.0/30

All: 318.184+/-0.040 χ^2/NDF: 12312265.0/62

- sign 317.193+/-0.058 χ^2/NDF: 6534034.3/31

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 32.117+/-17.309 χ^2/NDF:18.2/14

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

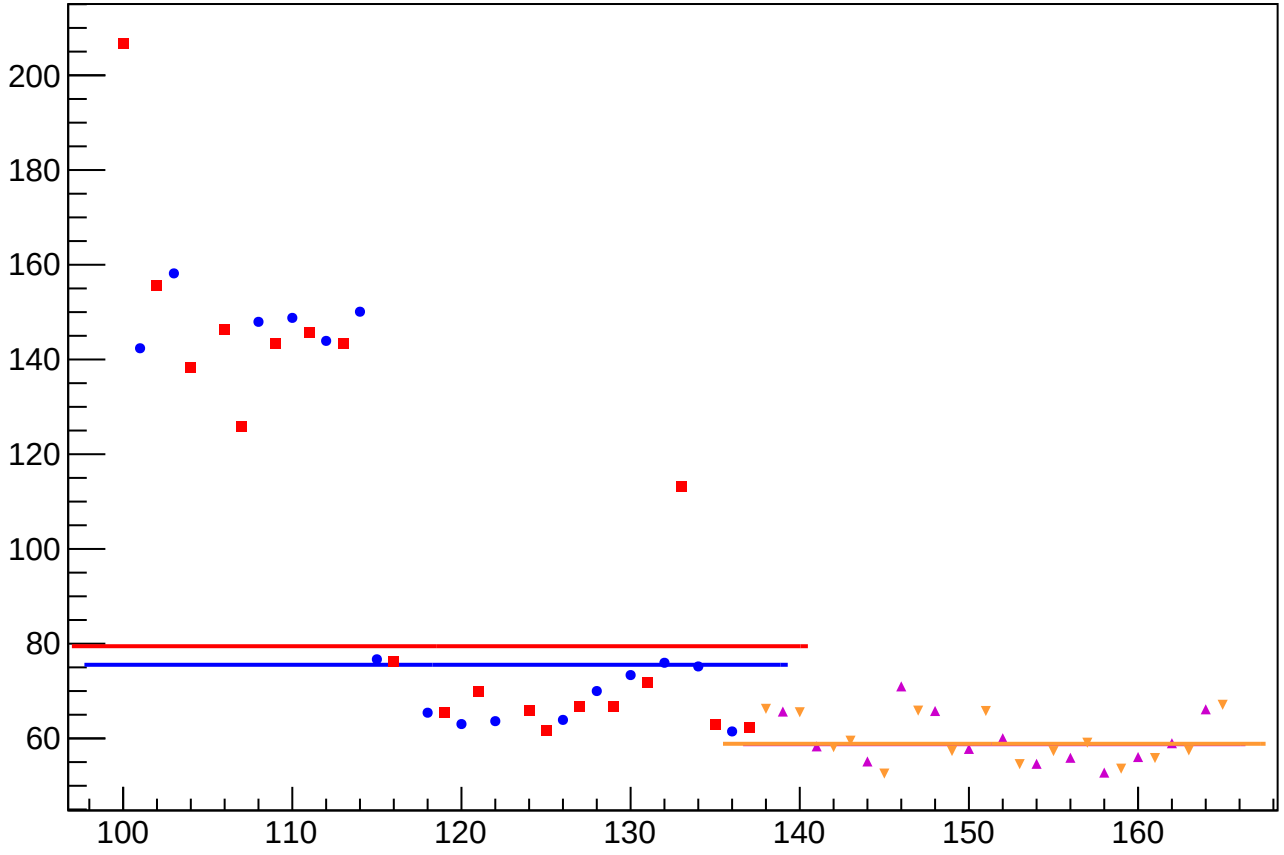
Left In: -53.302+/-17.963 χ^2/NDF:16.5/12

+ sign 35.195+/-14.981 χ^2/NDF: 38.0/30

All: -6.097+/-10.797 χ^2/NDF: 93.7/62

- sign -50.718+/-15.573 χ^2/NDF: 39.9/31

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.866+/-0.012 χ^2/NDF:147507.5/14

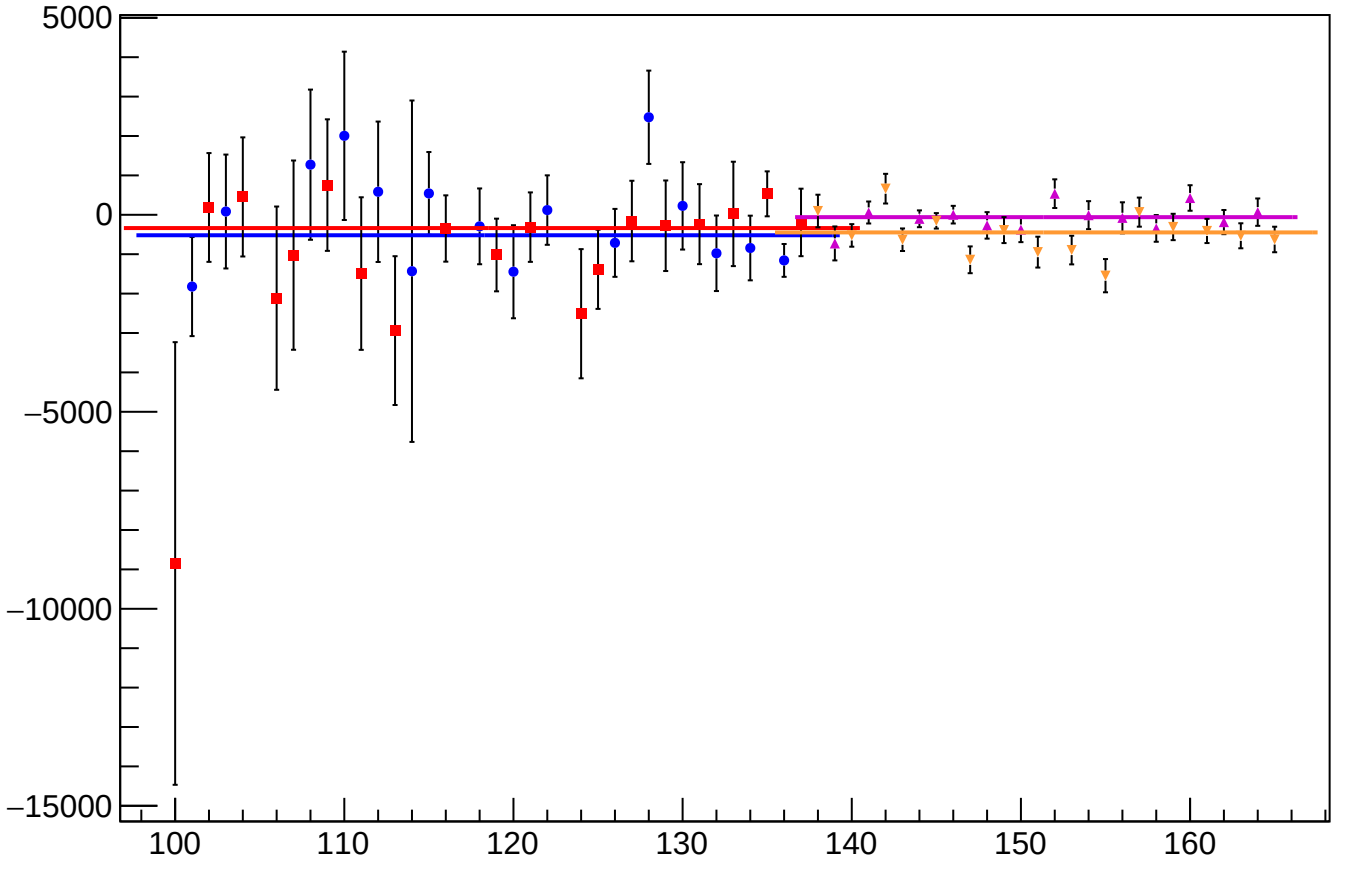
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.778+/-0.013 χ^2/NDF:150539.5/12

+ sign 63.051+/-0.011 χ^2/NDF: 2078927.8/30

All: 63.467+/-0.008 χ^2/NDF: 4575189.3/62

- sign 63.916+/-0.011 χ^2/NDF: 2493056.1/31



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -447.238+/-82.444 χ^2/NDF:29.8/14

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

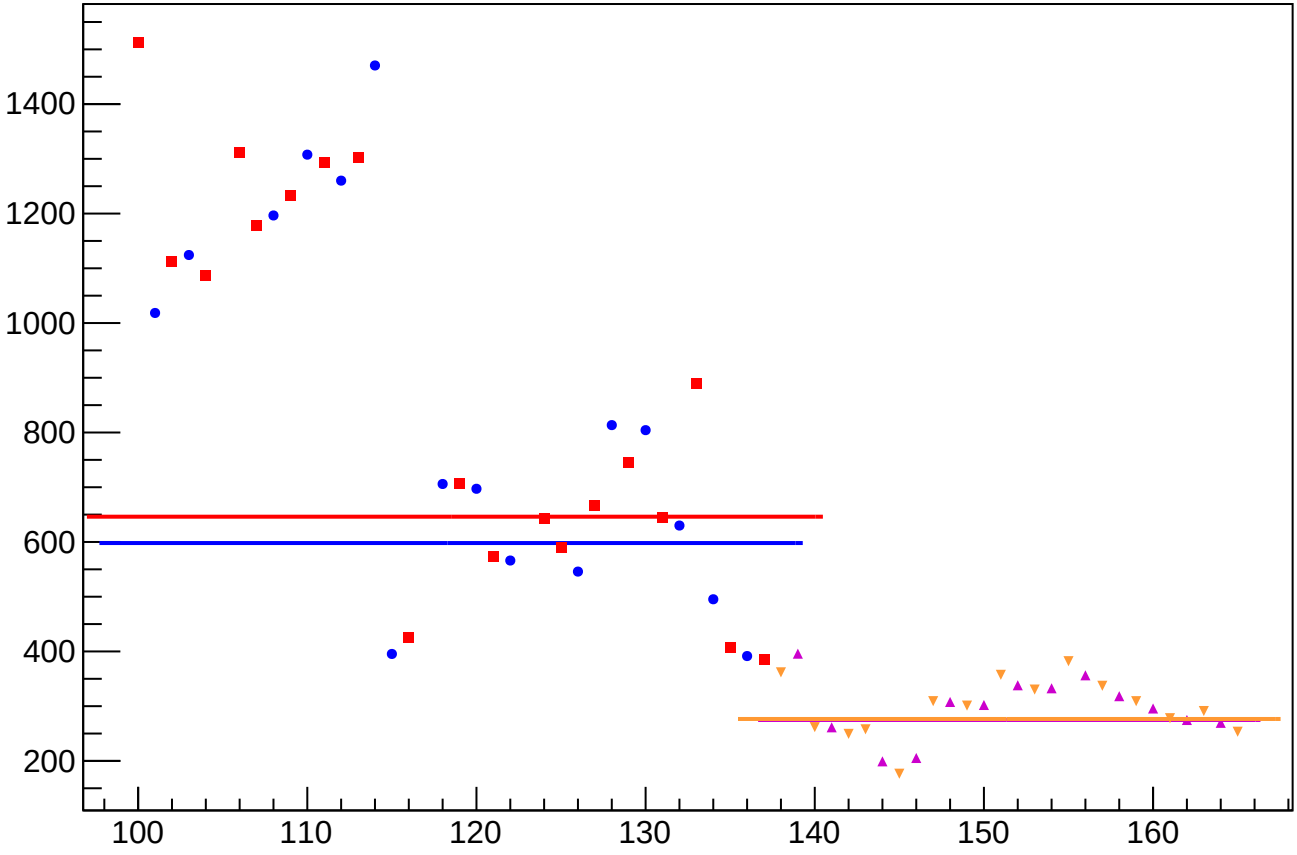
Left In: -59.785+/-85.187 χ^2/NDF:10.0/12

+ sign -454.764+/-78.016 χ^2/NDF: 45.7/30

All: -277.569+/-56.140 χ^2/NDF: 79.3/62

- sign -87.275+/-80.849 χ^2/NDF: 23.0/31

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 276.609+/-0.058 χ^2/NDF:998972.0/14

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

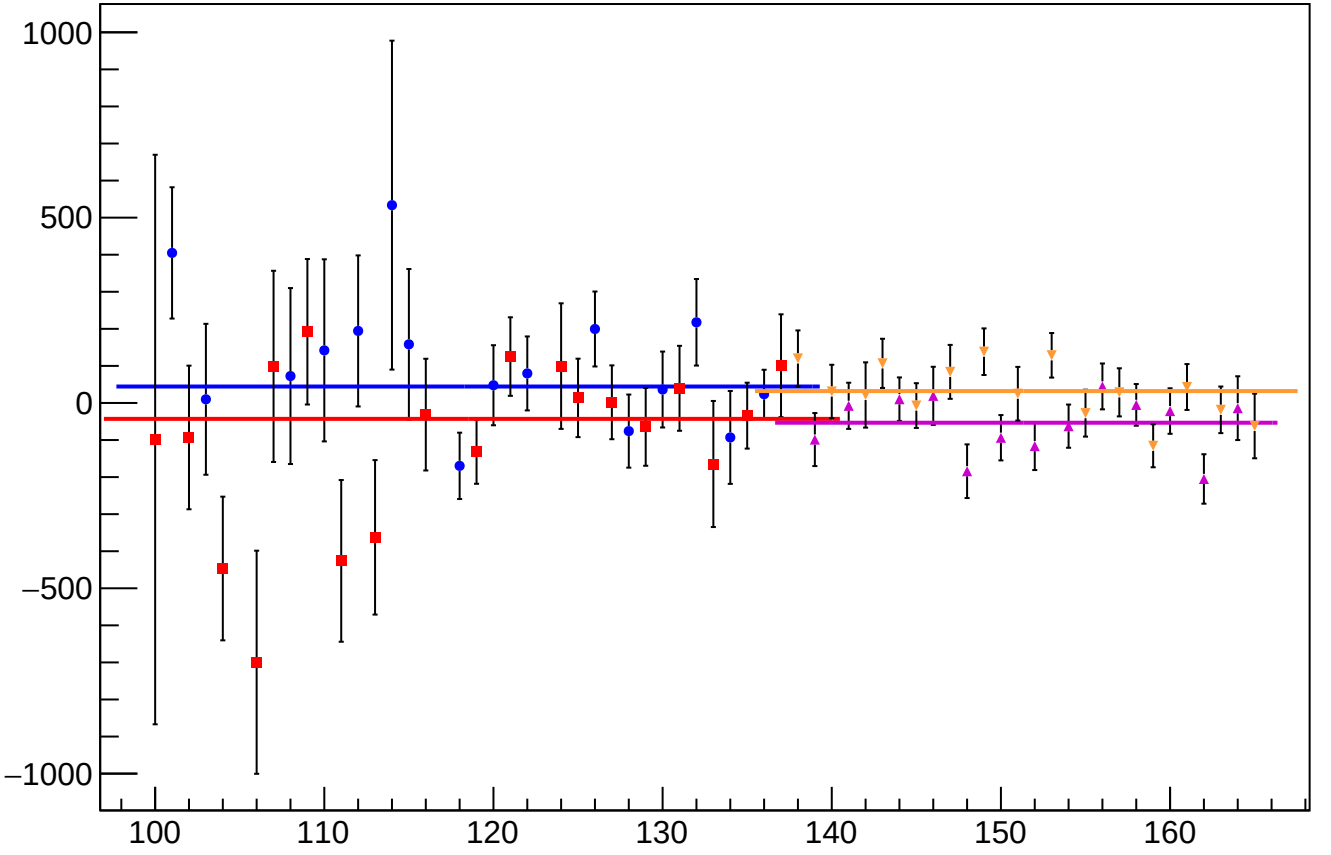
Left In: 274.743+/-0.060 χ^2/NDF:880576.3/12

+ sign 310.205+/-0.055 χ^2/NDF: 6224395.8/30

All: 310.884+/-0.040 χ^2/NDF: 13085149.1/62

- sign 311.612+/-0.057 χ^2/NDF: 6860439.6/31

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 32.117+/-17.309 χ^2/NDF:18.2/14

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

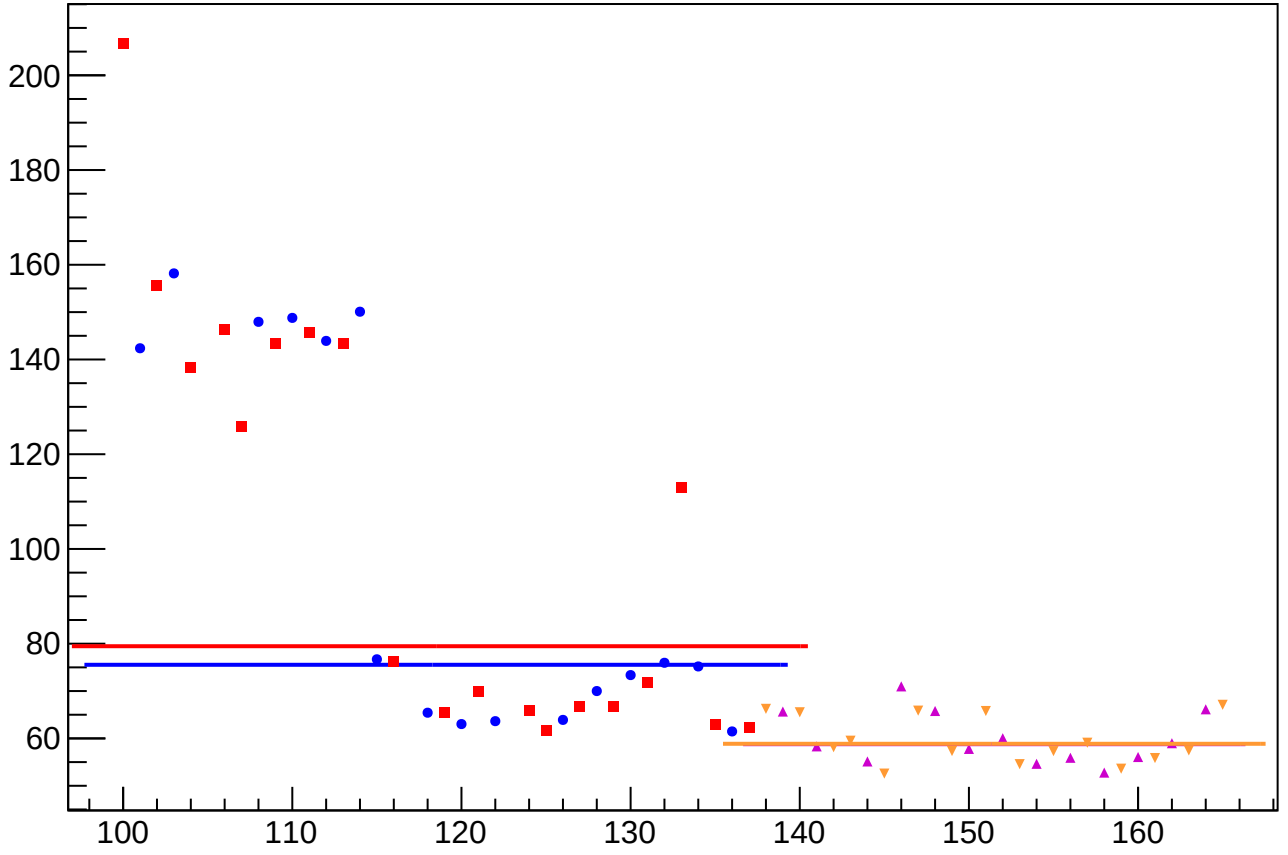
Left In: -53.301+/-17.963 χ^2/NDF:16.5/12

+ sign 35.196+/-14.981 χ^2/NDF: 38.0/30

All: -6.096+/-10.797 χ^2/NDF: 93.7/62

- sign -50.717+/-15.573 χ^2/NDF: 39.9/31

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.867+/-0.012 χ^2/NDF:147505.5/14

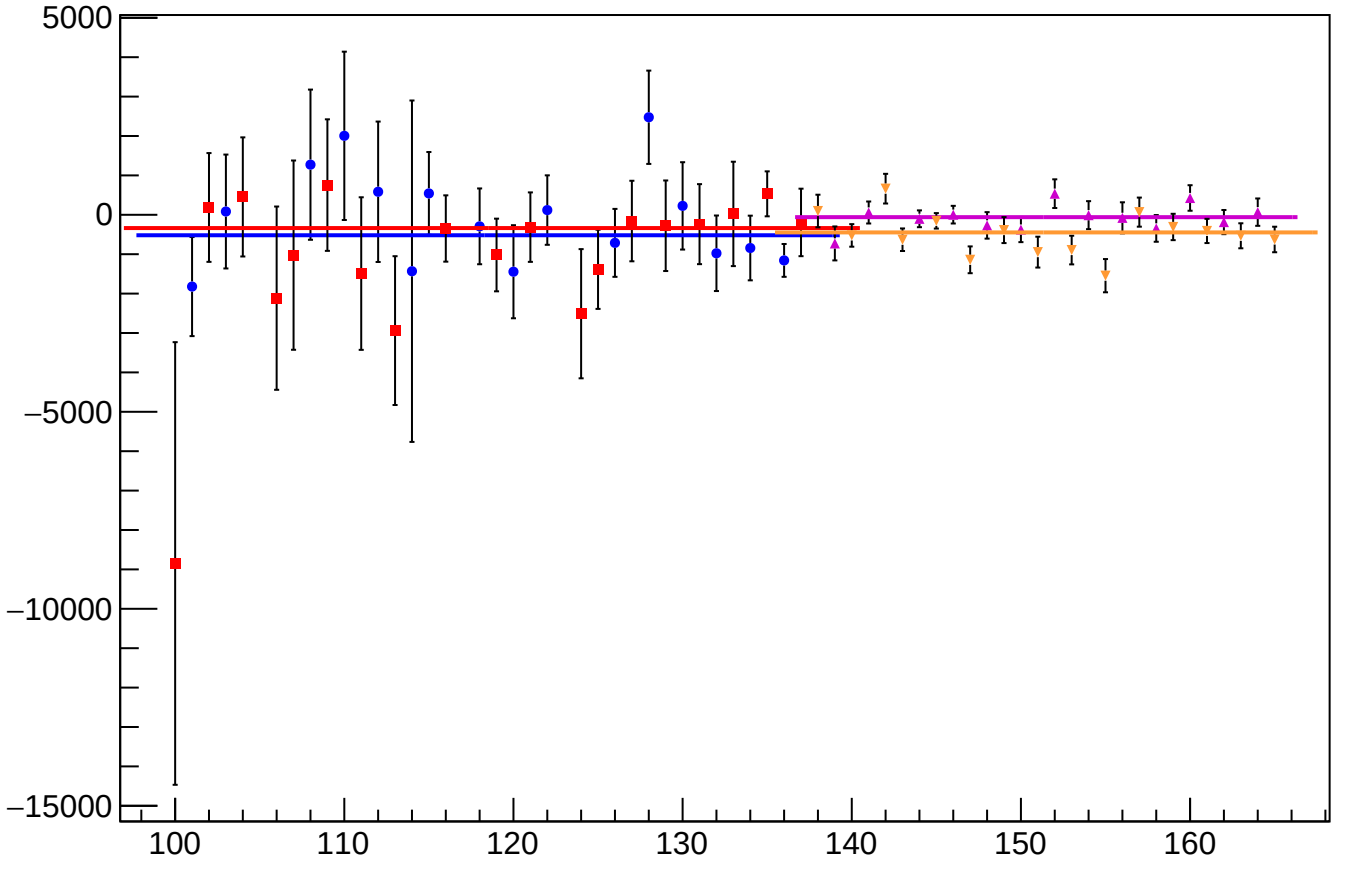
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.778+/-0.013 χ^2/NDF:150545.1/12

+ sign 63.051+/-0.011 χ^2/NDF: 2078888.8/30

All: 63.467+/-0.008 χ^2/NDF: 4575123.4/62

- sign 63.916+/-0.011 χ^2/NDF: 2493028.9/31



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -447.237+/-82.444 χ^2/NDF:29.8/14

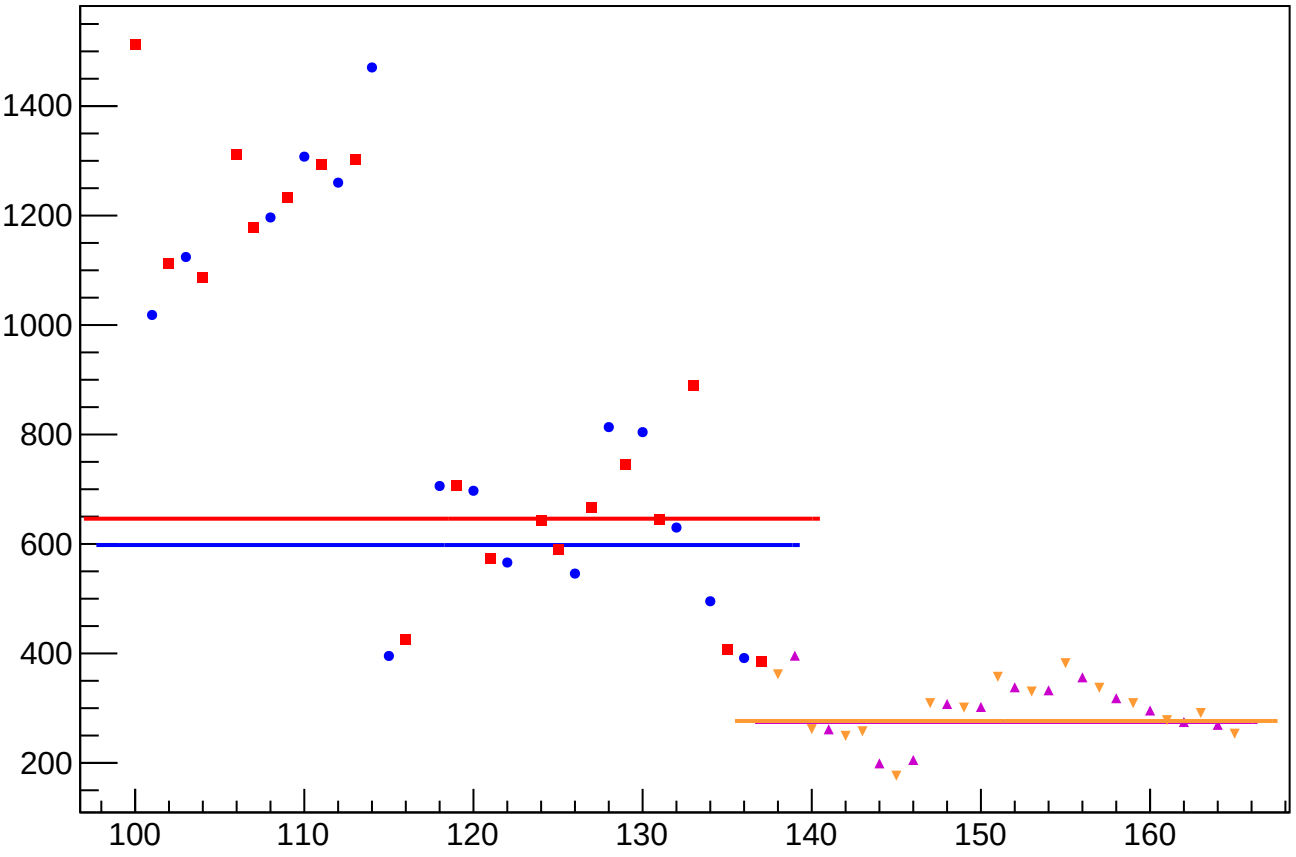
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -59.785+/-85.187 χ^2/NDF:10.0/12

+ sign -454.764+/-78.016 χ^2/NDF: 45.7/30

All: -277.568+/-56.140 χ^2/NDF: 79.3/62

- sign -87.274+/-80.848 χ^2/NDF: 23.0/31



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 276.608+/-0.058 χ^2/NDF:998979.7/14

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

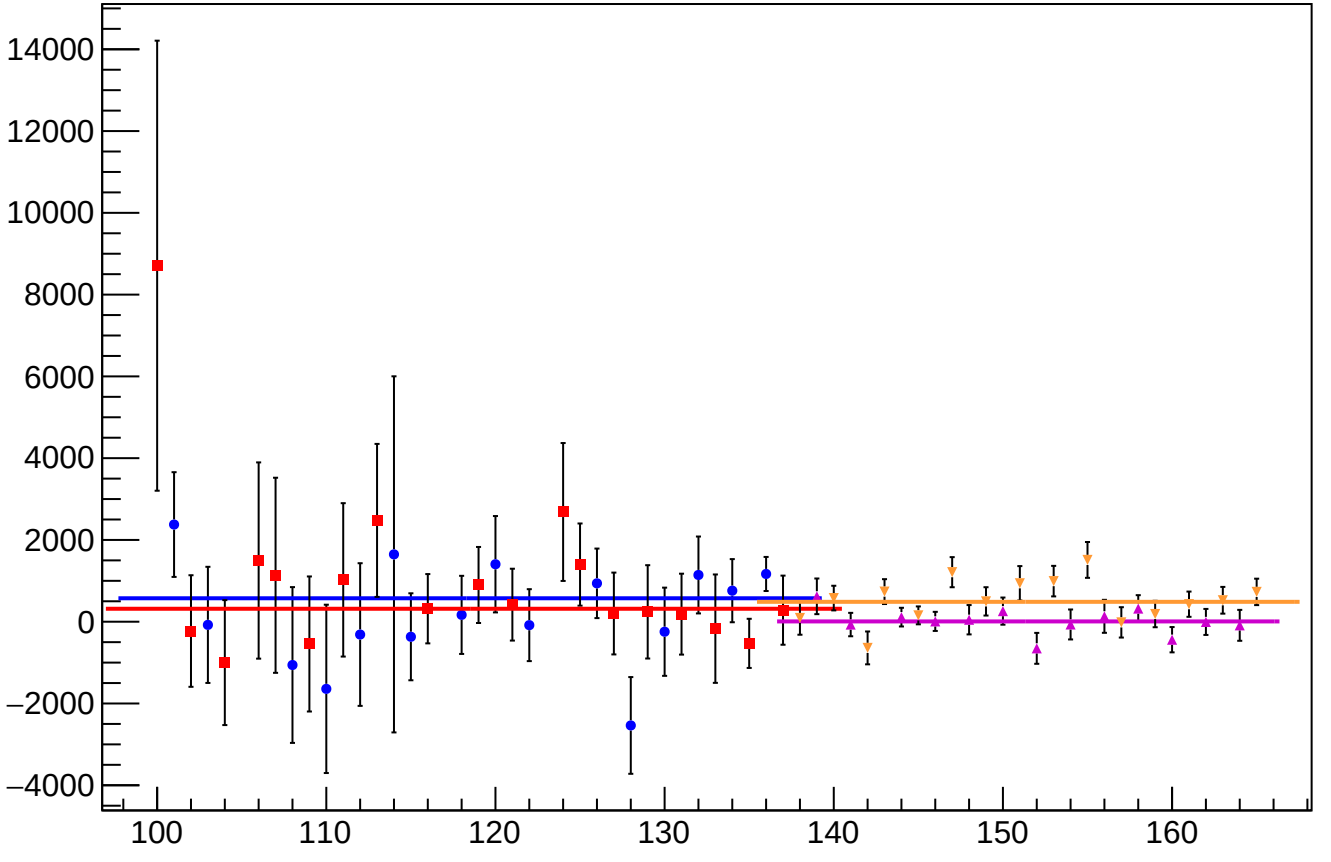
Left In: 274.742+/-0.060 χ^2/NDF:880573.5/12

+ sign 310.205+/-0.055 χ^2/NDF: 6224394.8/30

All: 310.883+/-0.040 χ^2/NDF: 13085137.4/62

- sign 311.612+/-0.057 χ^2/NDF: 6860428.7/31

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 486.515+/-86.123 χ^2/NDF:27.5/14

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

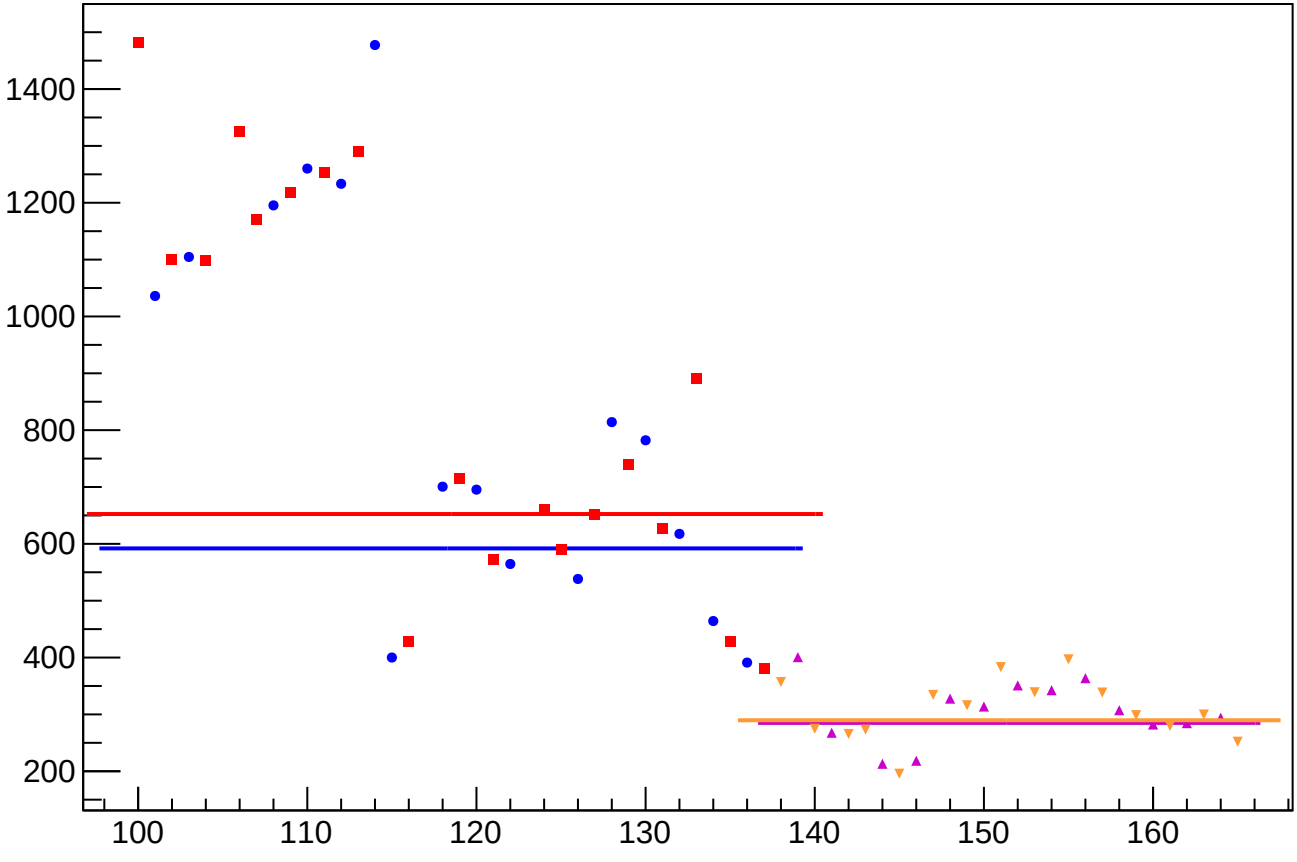
Left In: 7.136+/-88.041 χ^2/NDF:9.1/12

+ sign 496.503+/-81.020 χ^2/NDF: 44.2/30

All: 274.371+/-58.090 χ^2/NDF: 81.1/62

- sign 39.384+/-83.331 χ^2/NDF: 21.4/31

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 289.715+/-0.061 χ^2/NDF:801660.6/14

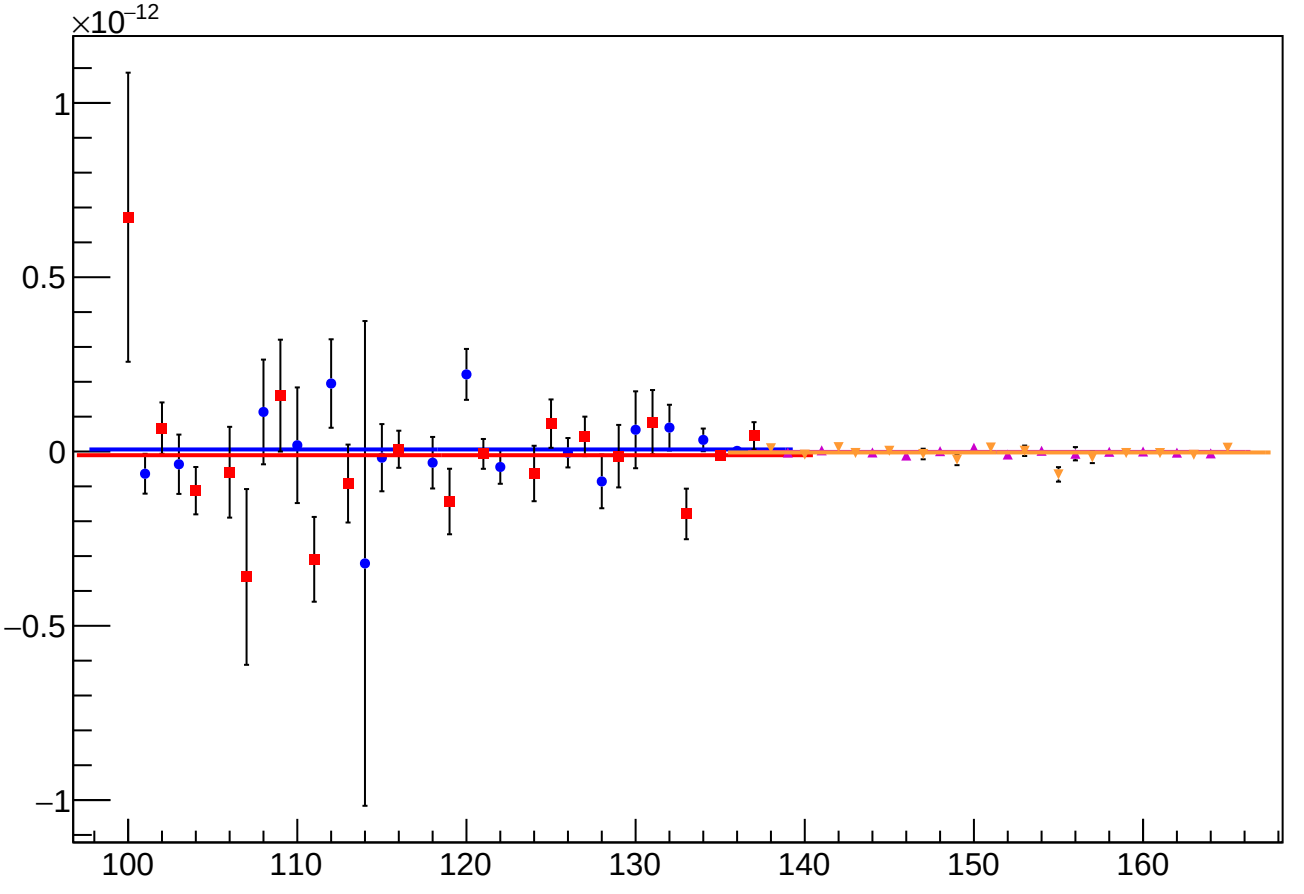
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 285.086+/-0.062 χ^2/NDF:748696.9/12

+ sign 324.473+/-0.057 χ^2/NDF: 5670218.4/30

All: 323.923+/-0.041 χ^2/NDF: 12135249.4/62

- sign 323.341+/-0.059 χ^2/NDF: 6464841.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

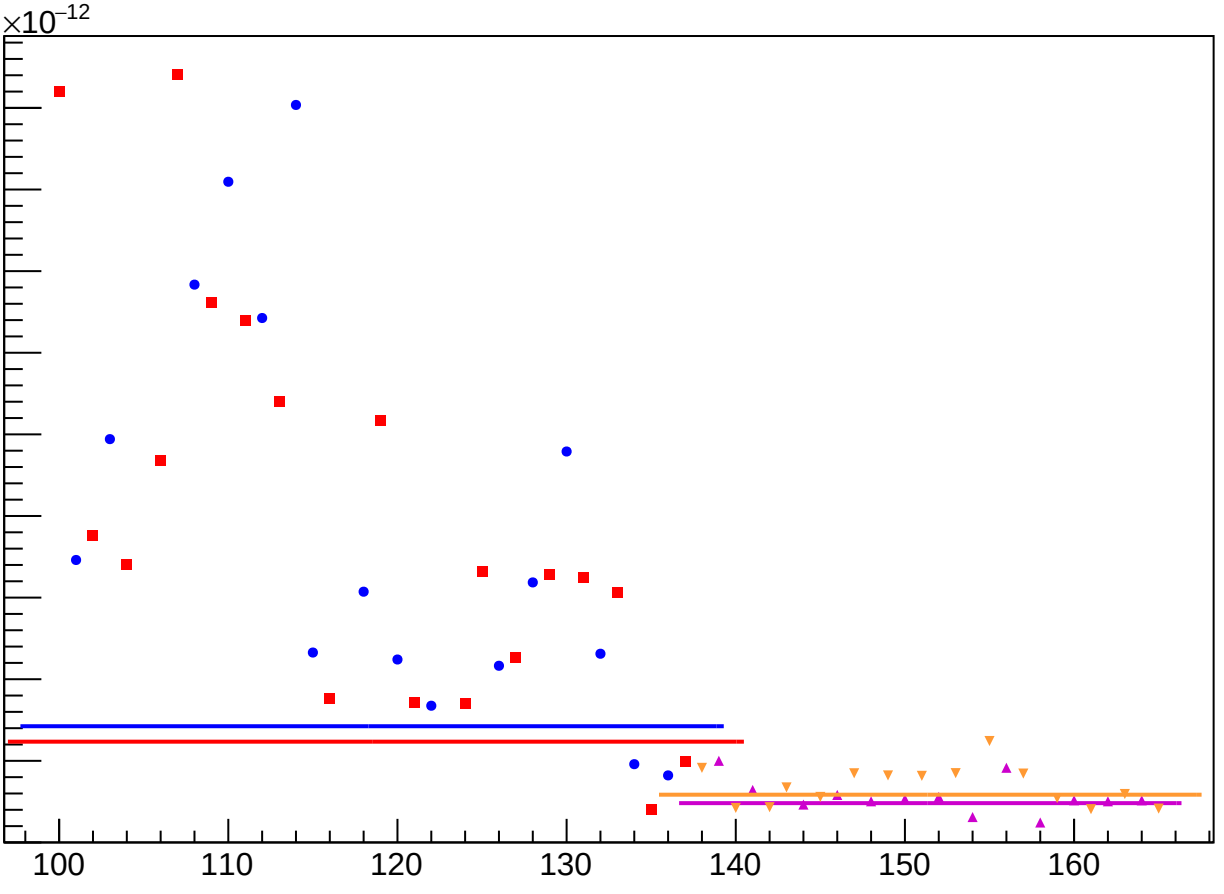
Left In: -0.000+/-0.000 χ^2/NDF:3.7/12

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/30

All: -0.000+/-0.000 χ^2/NDF: 72.1/62

- sign -0.000+/-0.000 χ^2/NDF: 33.9/31

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:897708.1/14

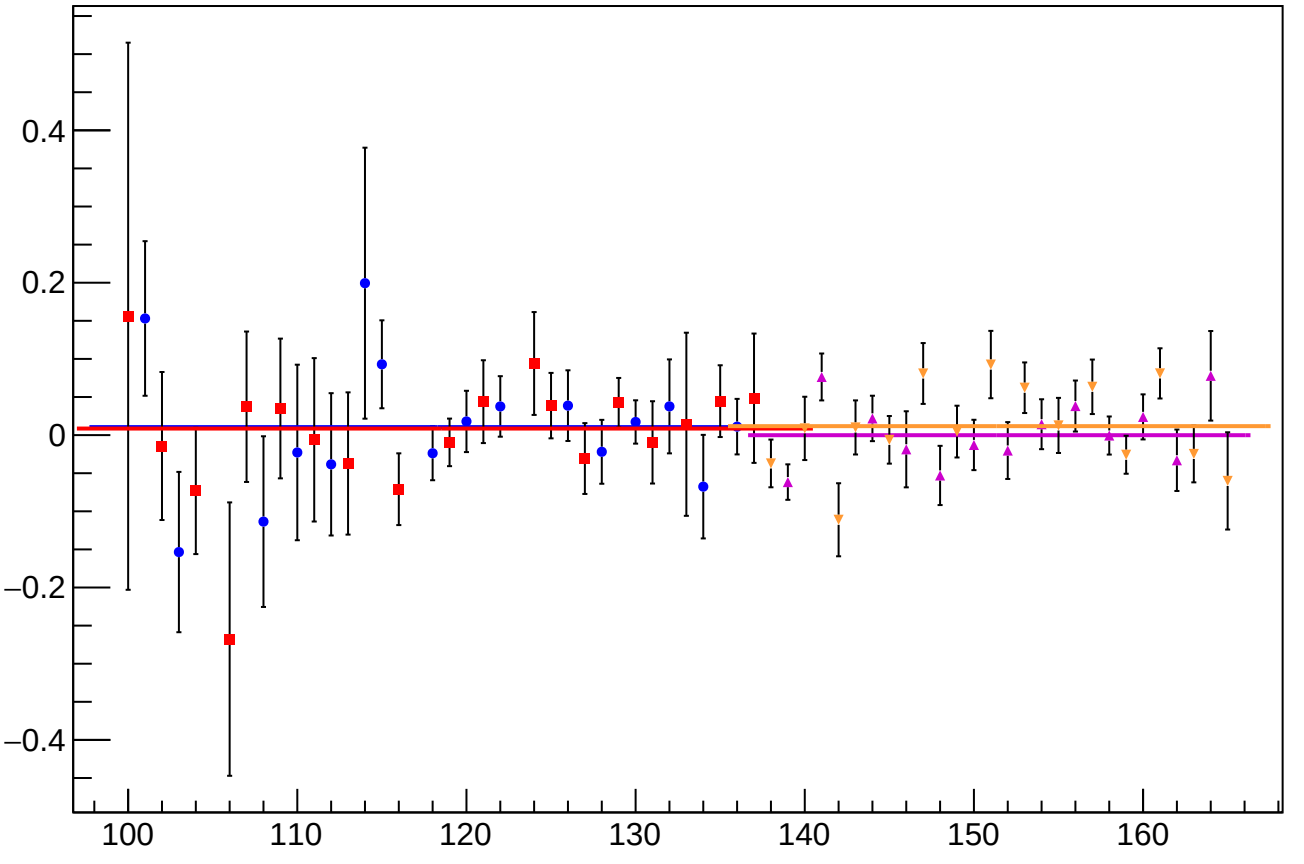
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:769586.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 4574524.3/30

All: 0.000+/-0.000 χ^2/NDF: 9960846.6/62

- sign 0.000+/-0.000 χ^2/NDF: 5201096.4/31



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

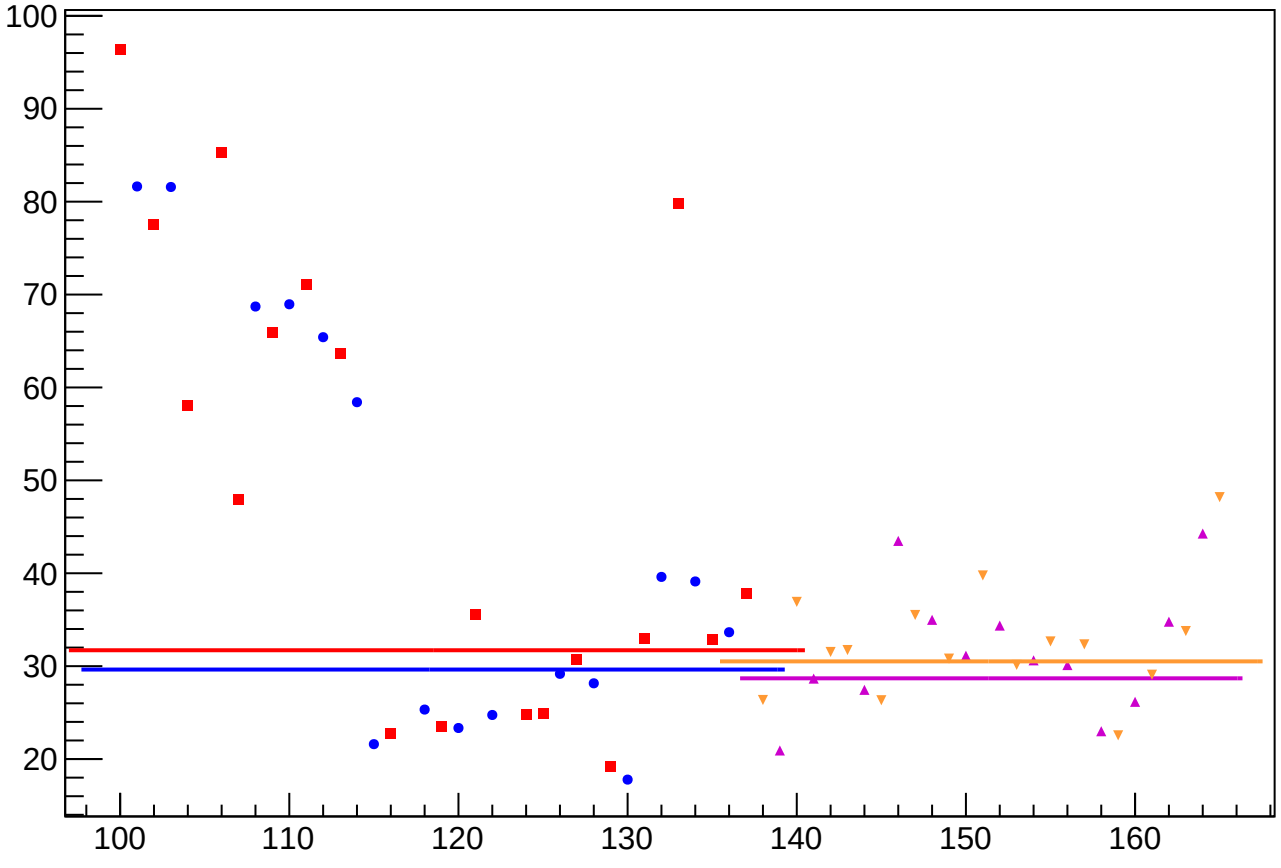
Left In: -0.000+/-0.009 χ^2/NDF:20.7/12

+ sign 0.011+/-0.007 χ^2/NDF: 42.2/30

All: 0.007+/-0.005 χ^2/NDF: 76.3/62

- sign 0.003+/-0.007 χ^2/NDF: 33.4/31

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: 30.515+/-0.007 χ^2/NDF:630214.3/14

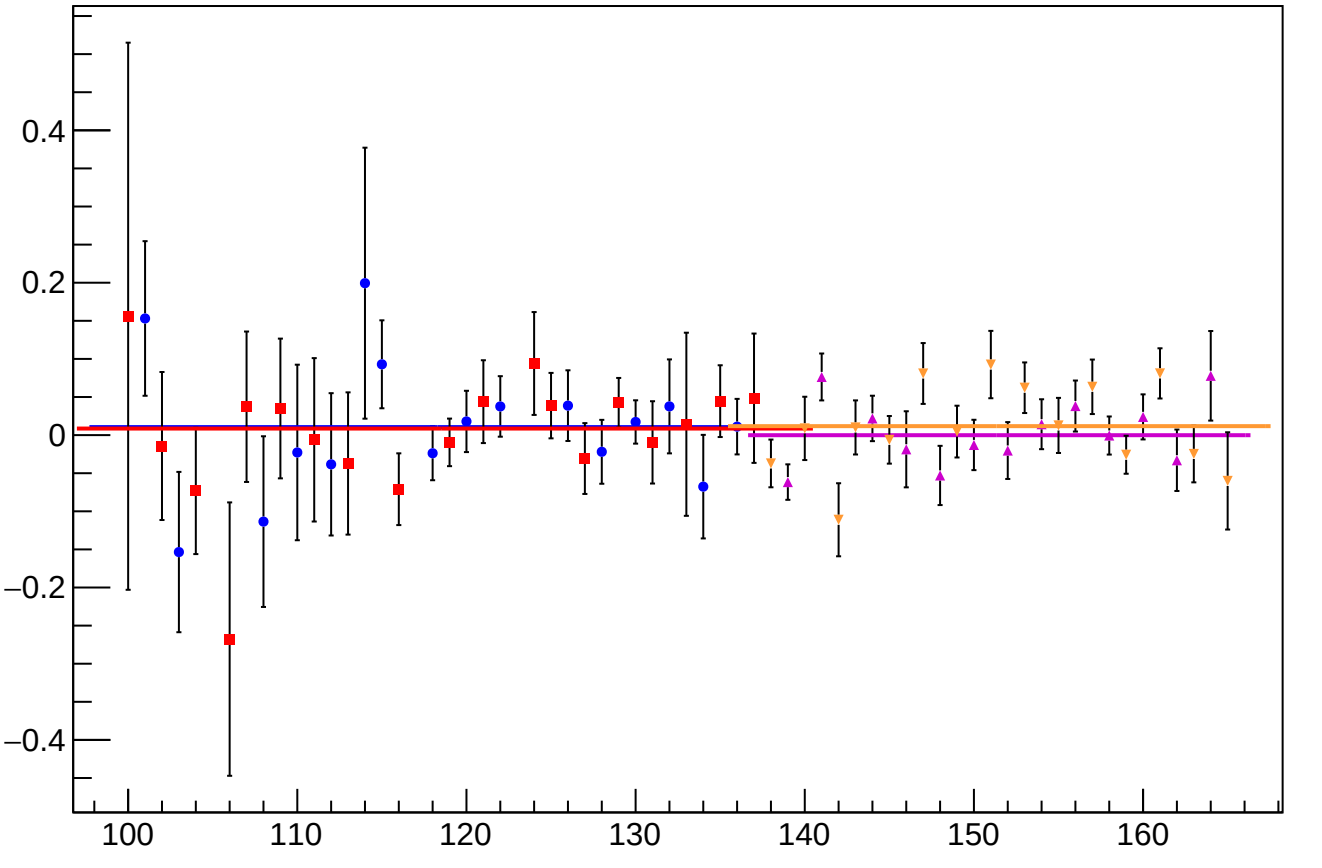
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.690+/-0.006 χ^2/NDF:826672.6/12

+ sign 30.207+/-0.005 χ^2/NDF: 3085071.2/30

All: 29.932+/-0.004 χ^2/NDF: 6639759.4/62

- sign 29.653+/-0.005 χ^2/NDF: 3549150.8/31



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

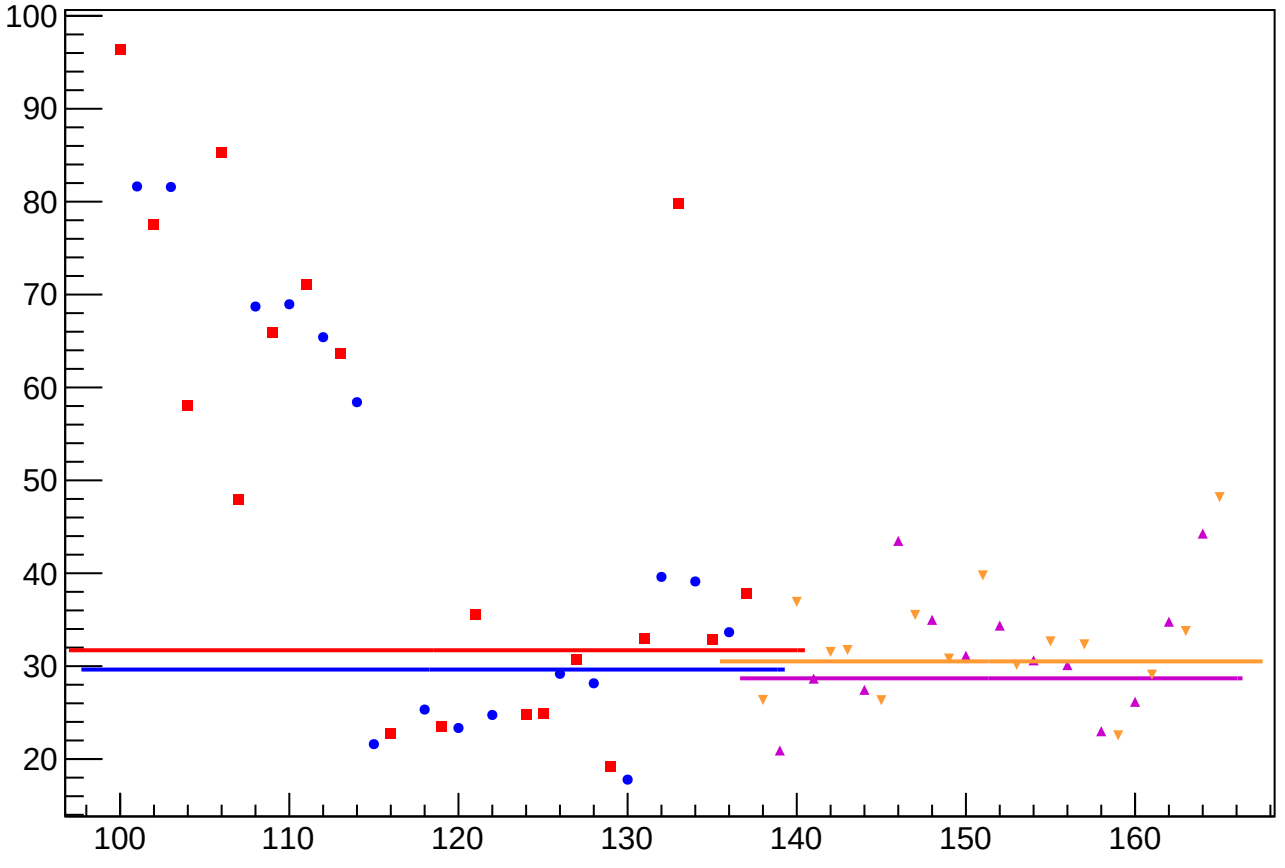
Left In: -0.000+/-0.009 χ^2/NDF:20.7/12

+ sign 0.011+/-0.007 χ^2/NDF: 42.2/30

All: 0.007+/-0.005 χ^2/NDF: 76.3/62

- sign 0.003+/-0.007 χ^2/NDF: 33.4/31

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.515+/-0.007 χ^2/NDF:630214.3/14

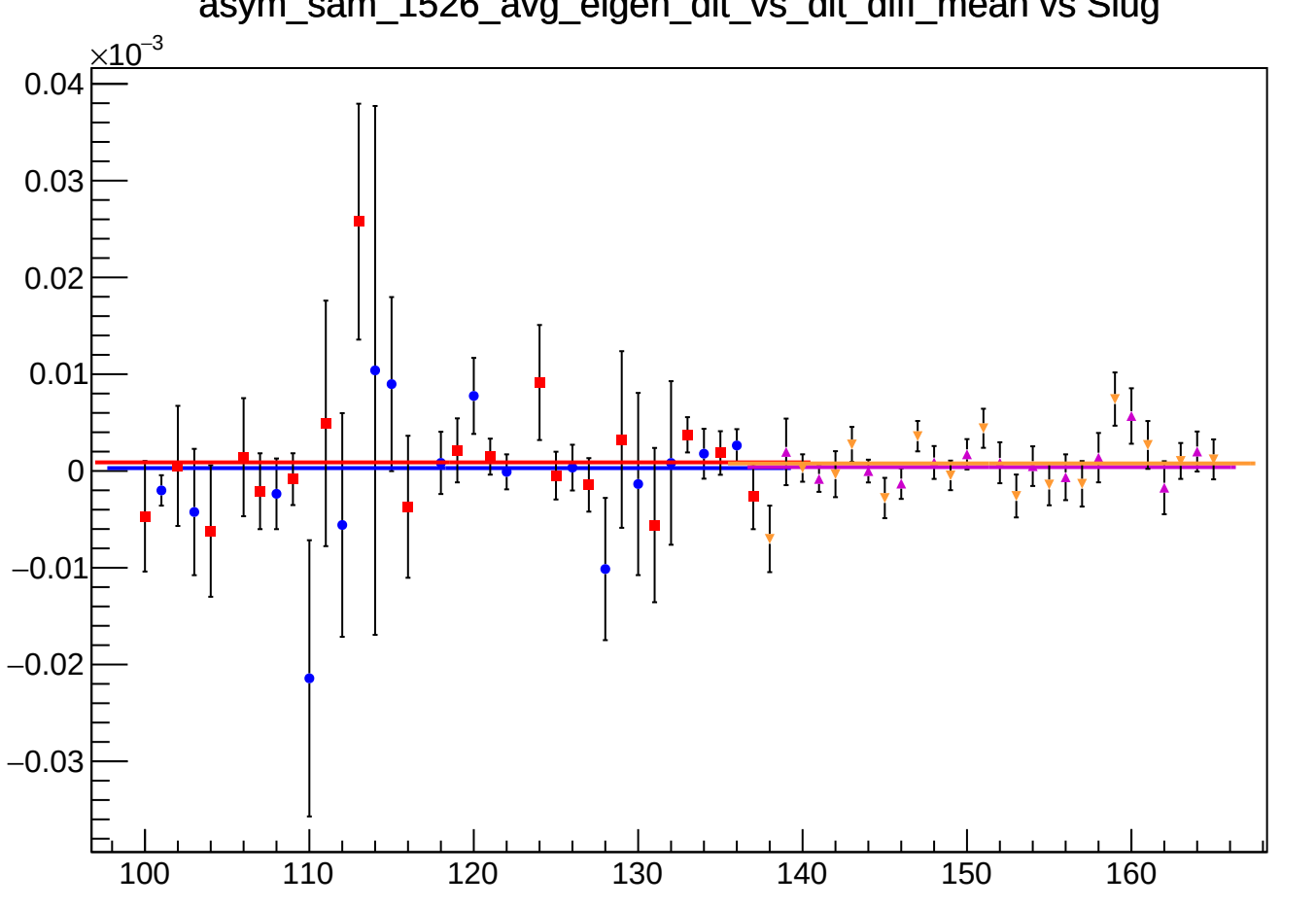
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.690+/-0.006 χ^2/NDF:826672.6/12

+ sign 30.207+/-0.005 χ^2/NDF: 3085071.2/30

All: 29.932+/-0.004 χ^2/NDF: 6639759.4/62

- sign 29.653+/-0.005 χ^2/NDF: 3549150.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/14

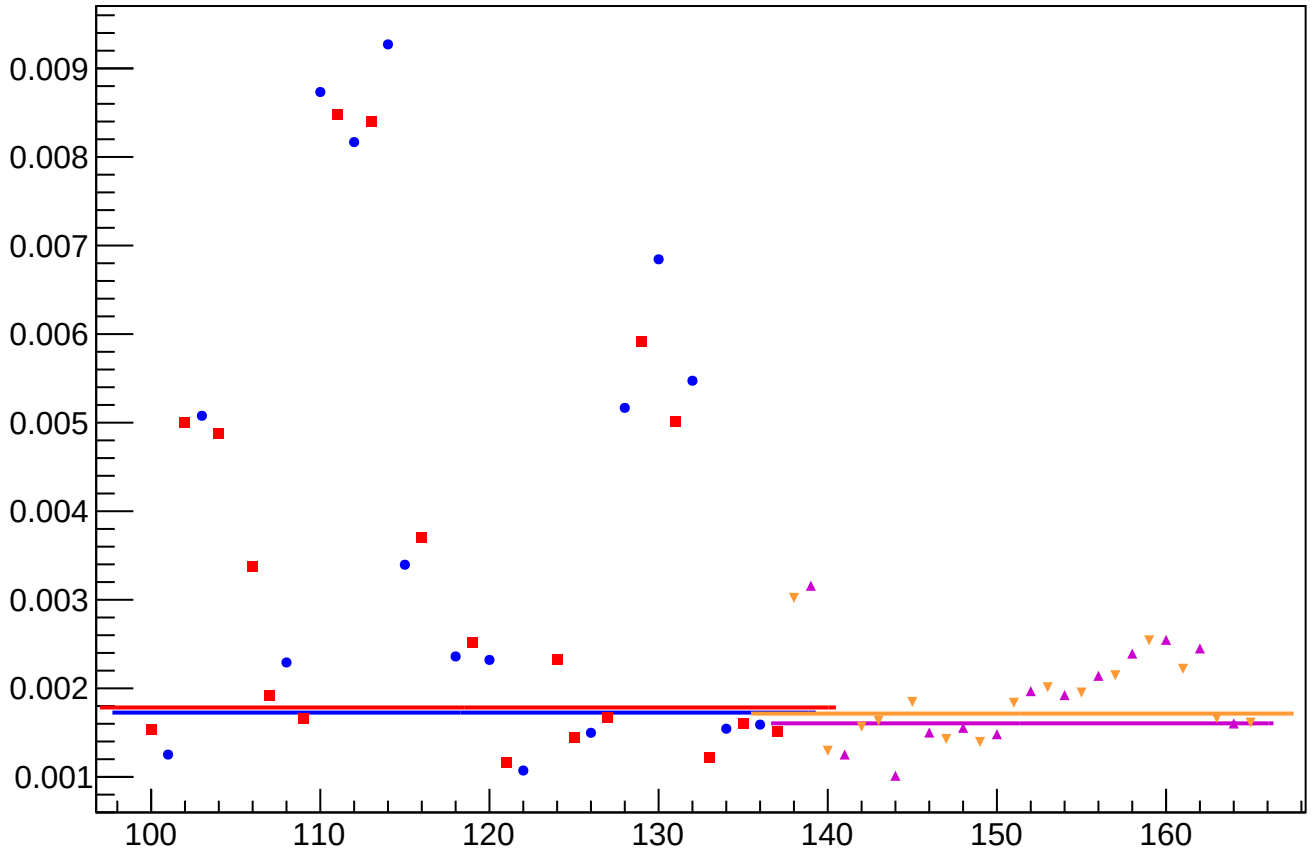
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/30

All: 0.000+/-0.000 χ^2/NDF: 66.2/62

- sign 0.000+/-0.000 χ^2/NDF: 23.8/31



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1045160.4/14

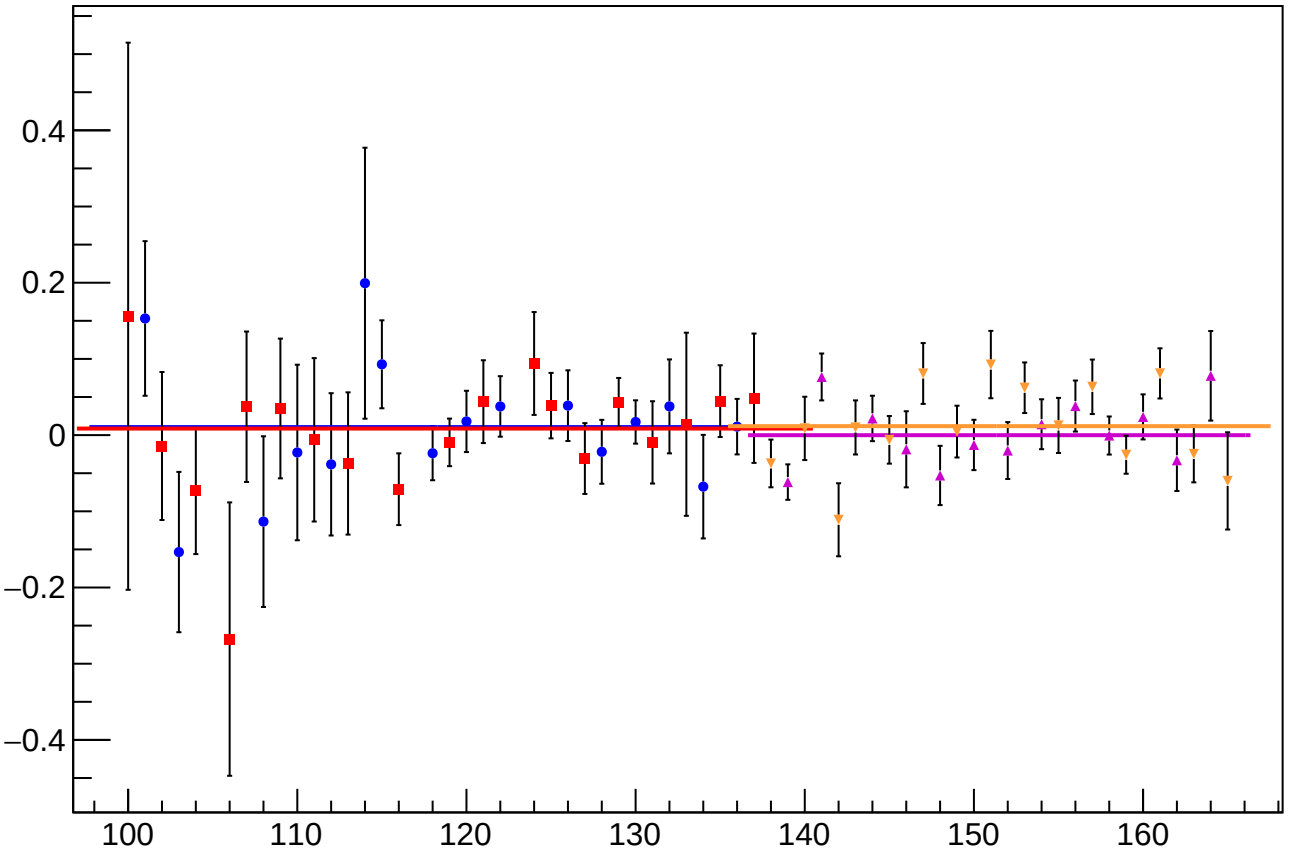
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1883603.3/12

+ sign 0.002+/-0.000 χ^2/NDF: 4977694.6/30

All: 0.002+/-0.000 χ^2/NDF: 10673653.7/62

- sign 0.002+/-0.000 χ^2/NDF: 5676552.9/31



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

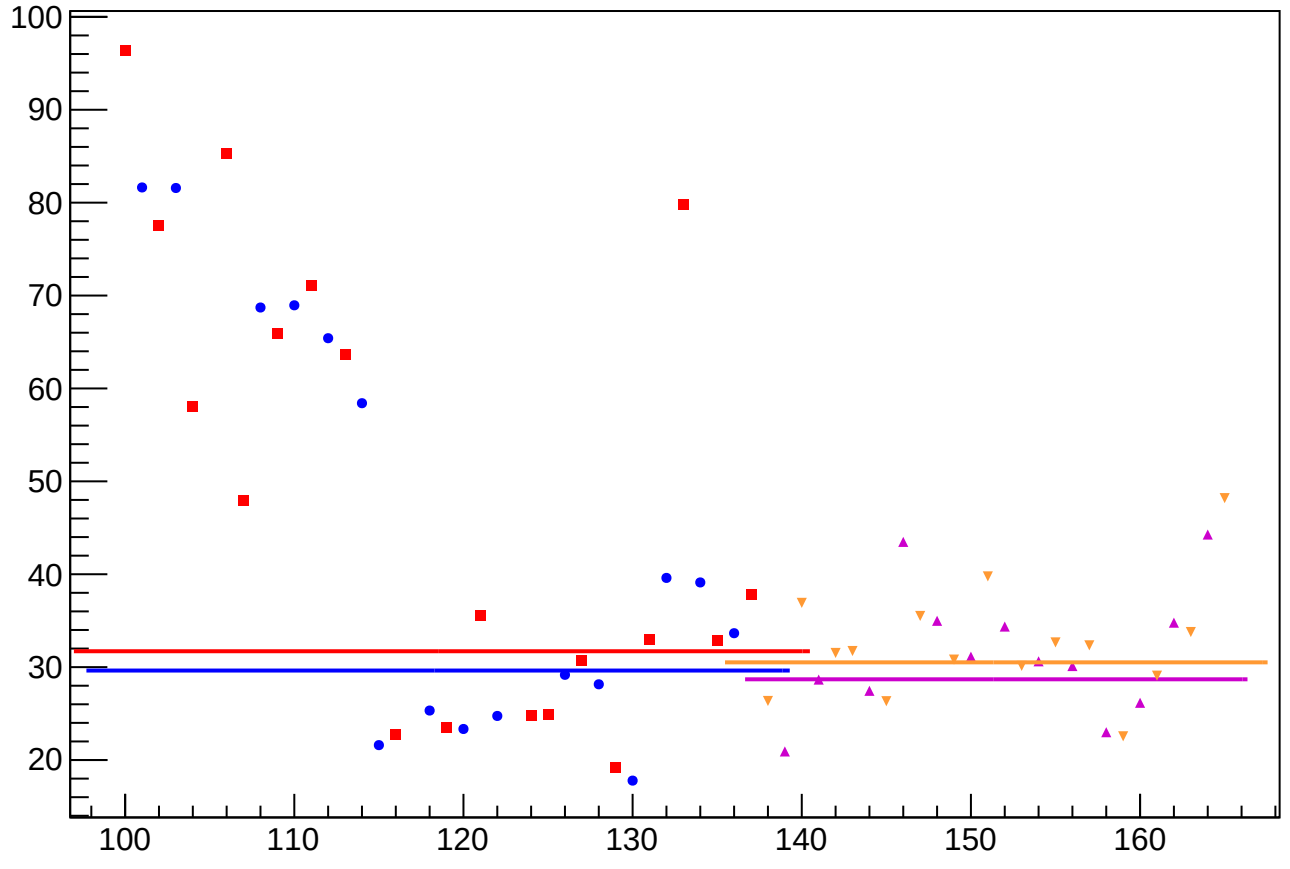
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.009 χ^2/NDF:20.7/12

+ sign 0.011+/-0.007 χ^2/NDF: 42.2/30

All: 0.007+/-0.005 χ^2/NDF: 76.3/62

- sign 0.003+/-0.007 χ^2/NDF: 33.4/31



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.515+/-0.007 χ^2/NDF:630228.7/14

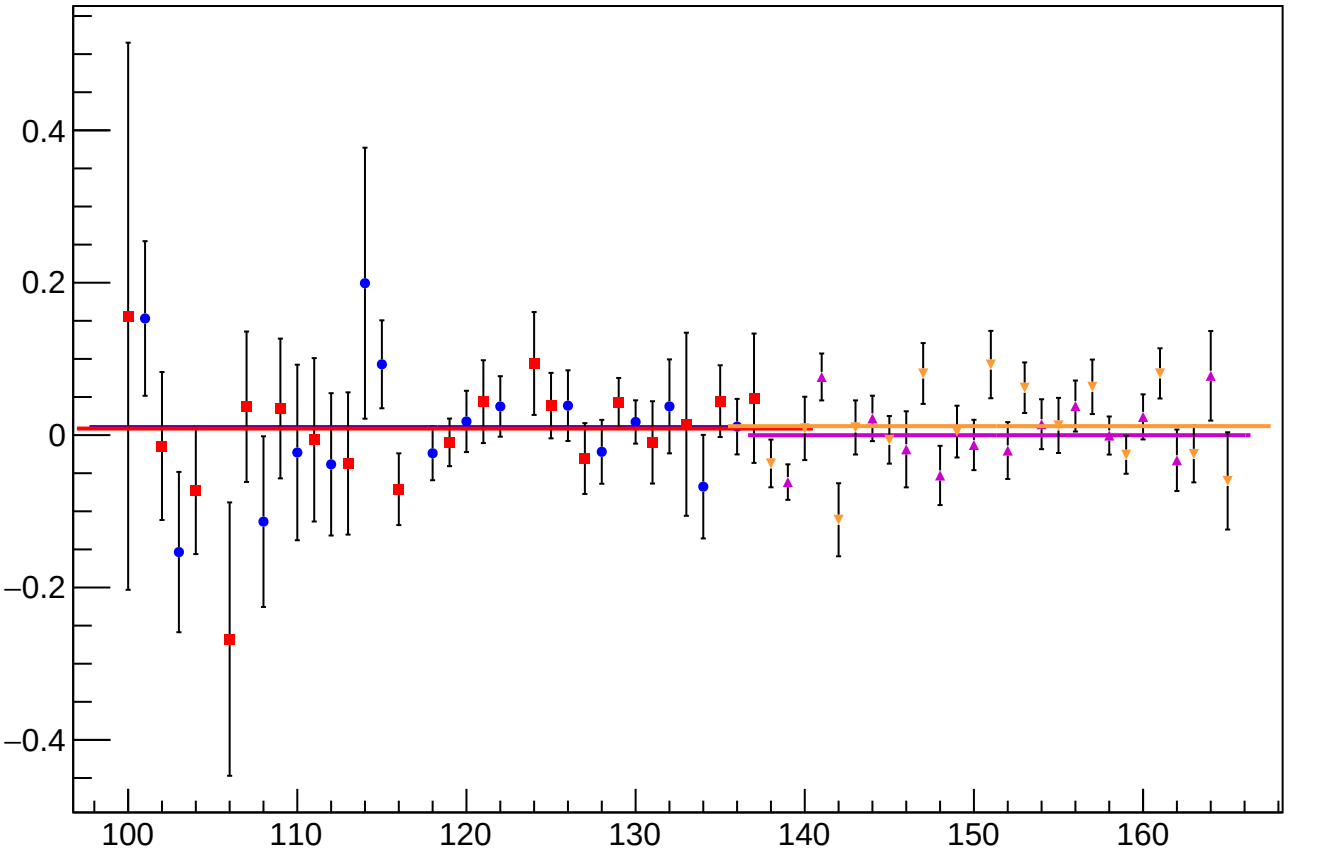
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.690+/-0.006 χ^2/NDF:826703.8/12

\+ sign 30.207+/-0.005 χ^2/NDF: 3085310.3/30

All: 29.932+/-0.004 χ^2/NDF: 6640124.0/62

\- sign 29.653+/-0.005 χ^2/NDF: 3549279.1/31



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.009 χ^2/NDF:29.0/14

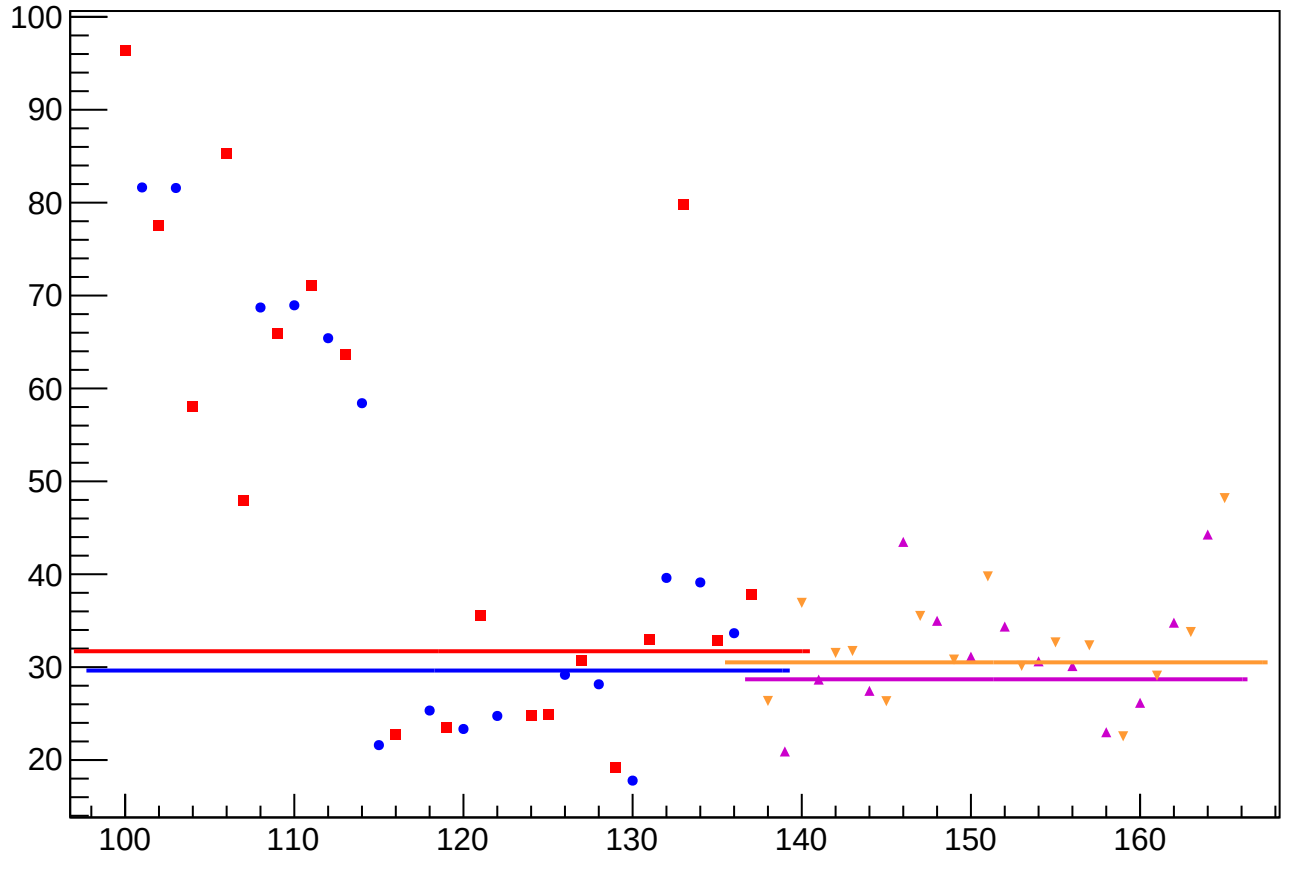
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.009 χ^2/NDF:20.7/12

+ sign 0.011+/-0.007 χ^2/NDF: 42.2/30

All: 0.007+/-0.005 χ^2/NDF: 76.3/62

- sign 0.003+/-0.007 χ^2/NDF: 33.4/31



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.515+/-0.007 χ^2/NDF:630228.7/14

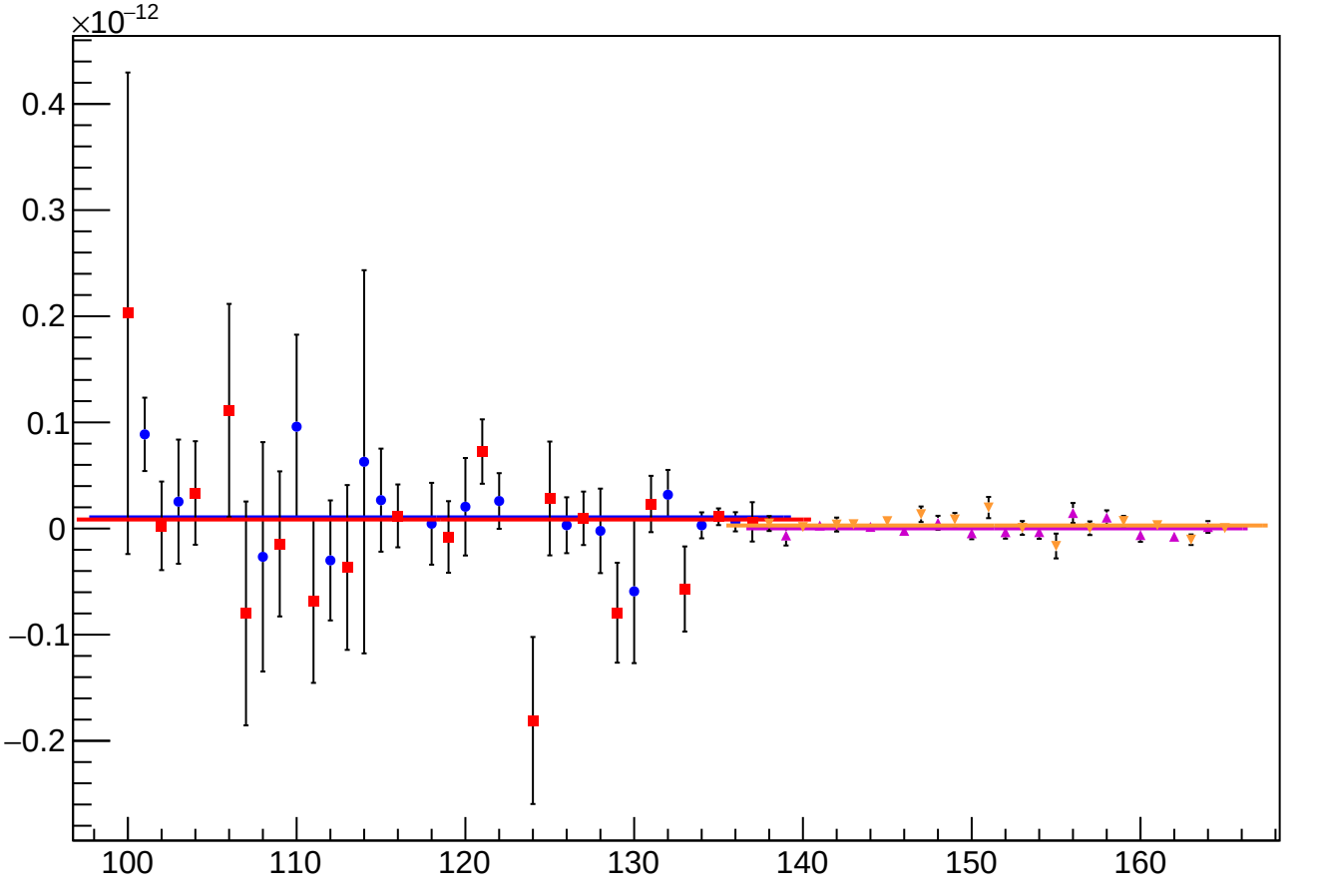
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.690+/-0.006 χ^2/NDF:826703.8/12

+ sign 30.207+/-0.005 χ^2/NDF: 3085310.3/30

All: 29.932+/-0.004 χ^2/NDF: 6640124.0/62

- sign 29.653+/-0.005 χ^2/NDF: 3549279.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/14

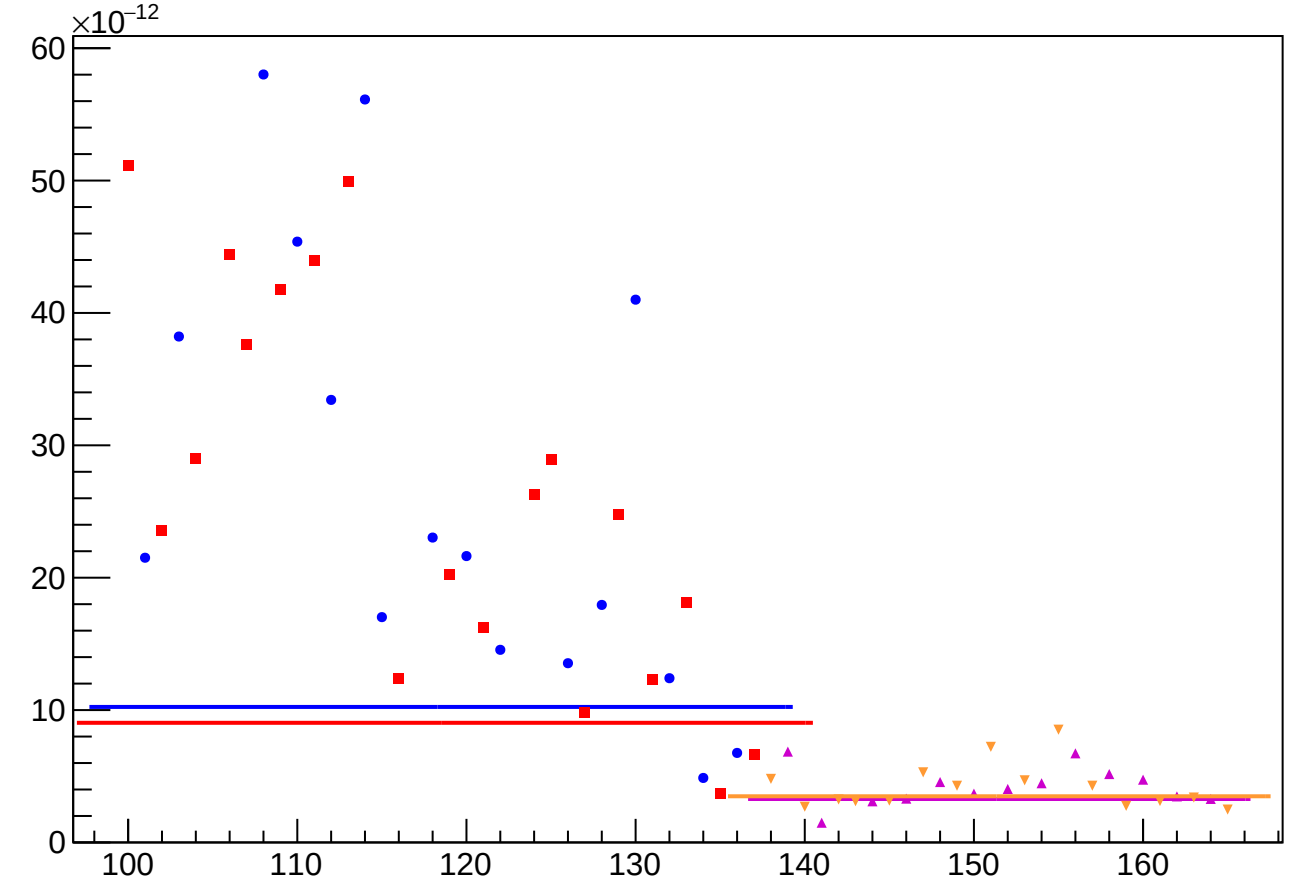
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 29.9/30

All: 0.000+/-0.000 χ^2/NDF: 67.3/62

- sign 0.000+/-0.000 χ^2/NDF: 35.5/31



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1258173.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

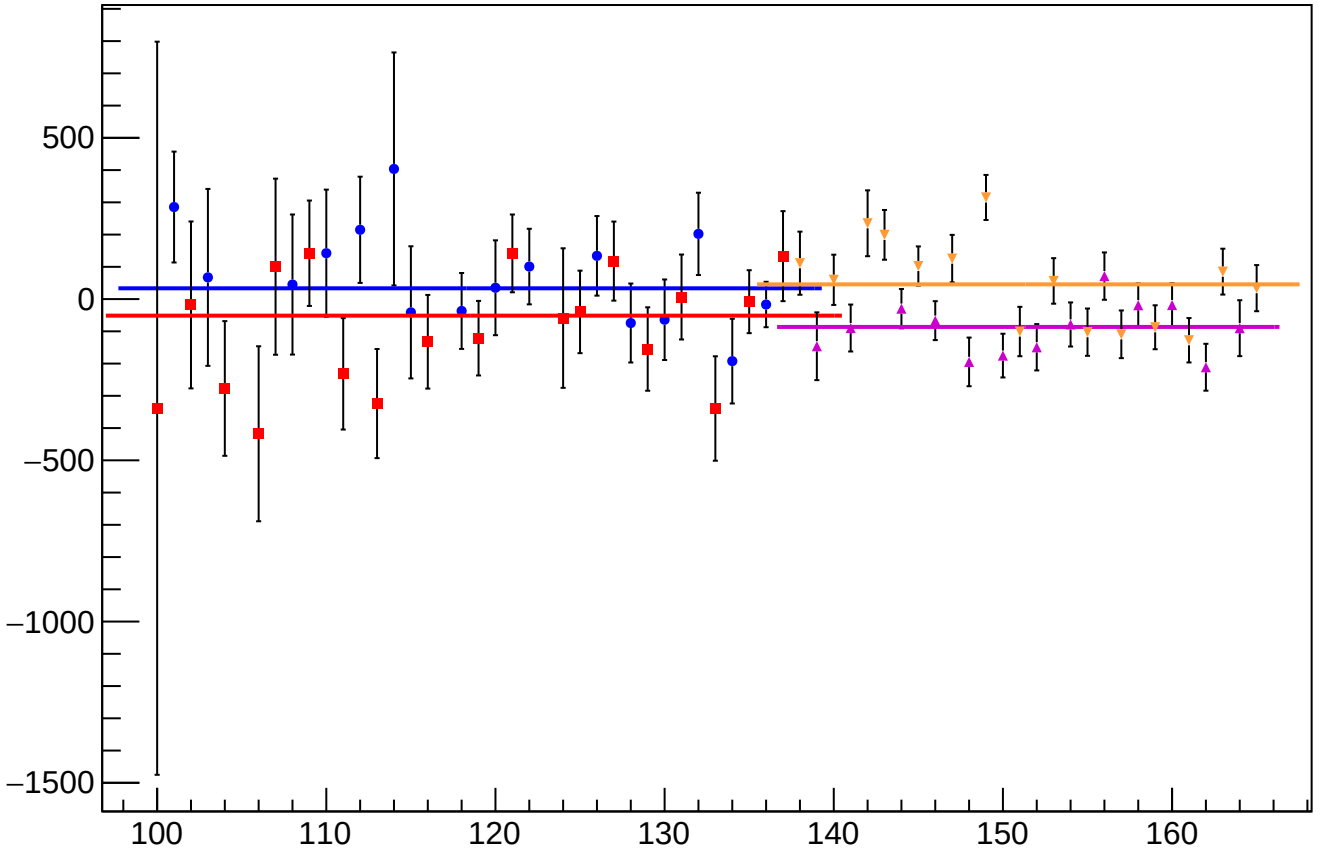
Left In: 0.000+/-0.000 χ^2/NDF:1889301.0/12

\+ sign 0.000+/-0.000 χ^2/NDF: 7173531.9/30

All: 0.000+/-0.000 χ^2/NDF: 15394465.1/62

\- sign 0.000+/-0.000 χ^2/NDF: 8190079.5/31

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 45.704+/-19.056 χ^2/NDF:47.5/14

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

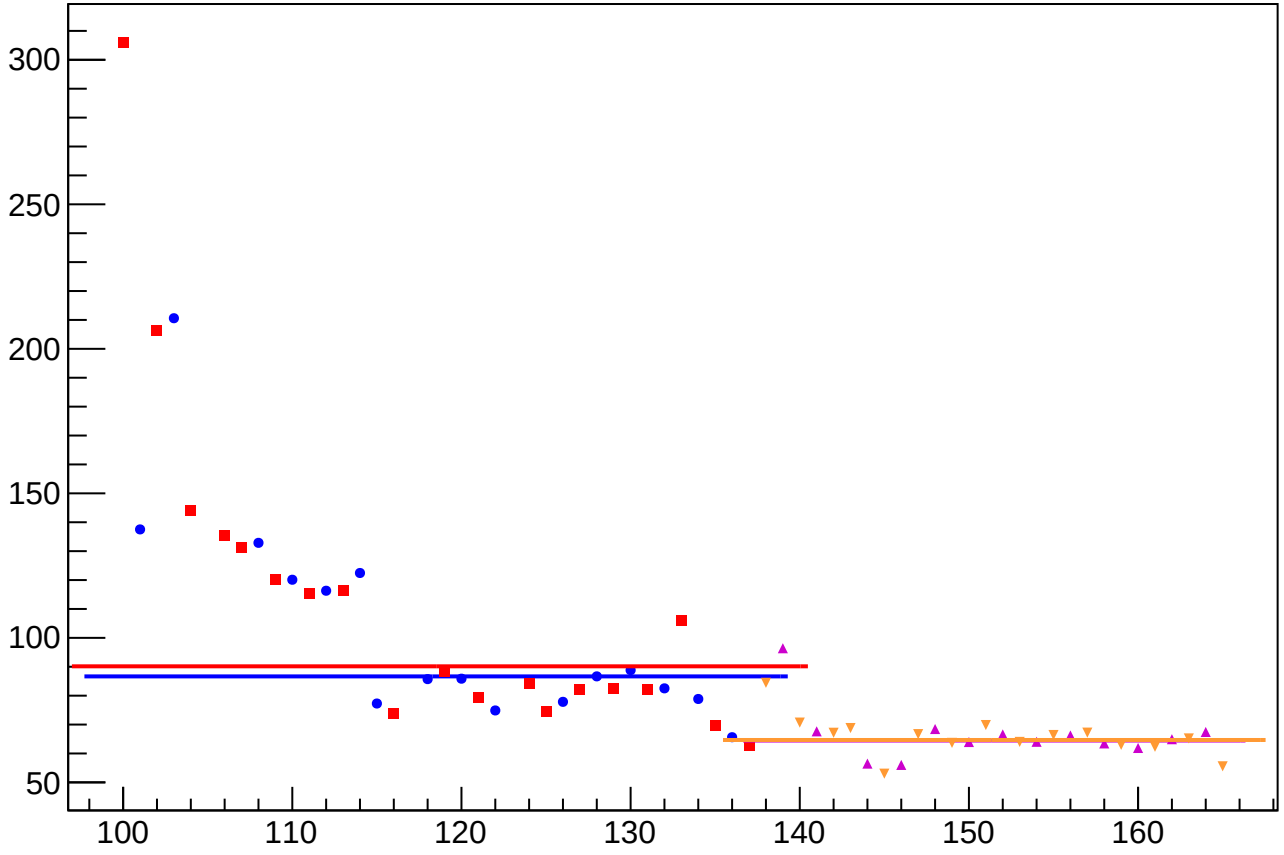
Left In: -86.348+/-19.741 χ^2/NDF:15.4/12

+ sign 42.755+/-16.609 χ^2/NDF: 60.4/30

All: -15.517+/-11.940 χ^2/NDF: 121.6/62

- sign -77.842+/-17.177 χ^2/NDF: 35.7/31

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 64.666+/-0.013 χ^2/NDF:225115.8/14

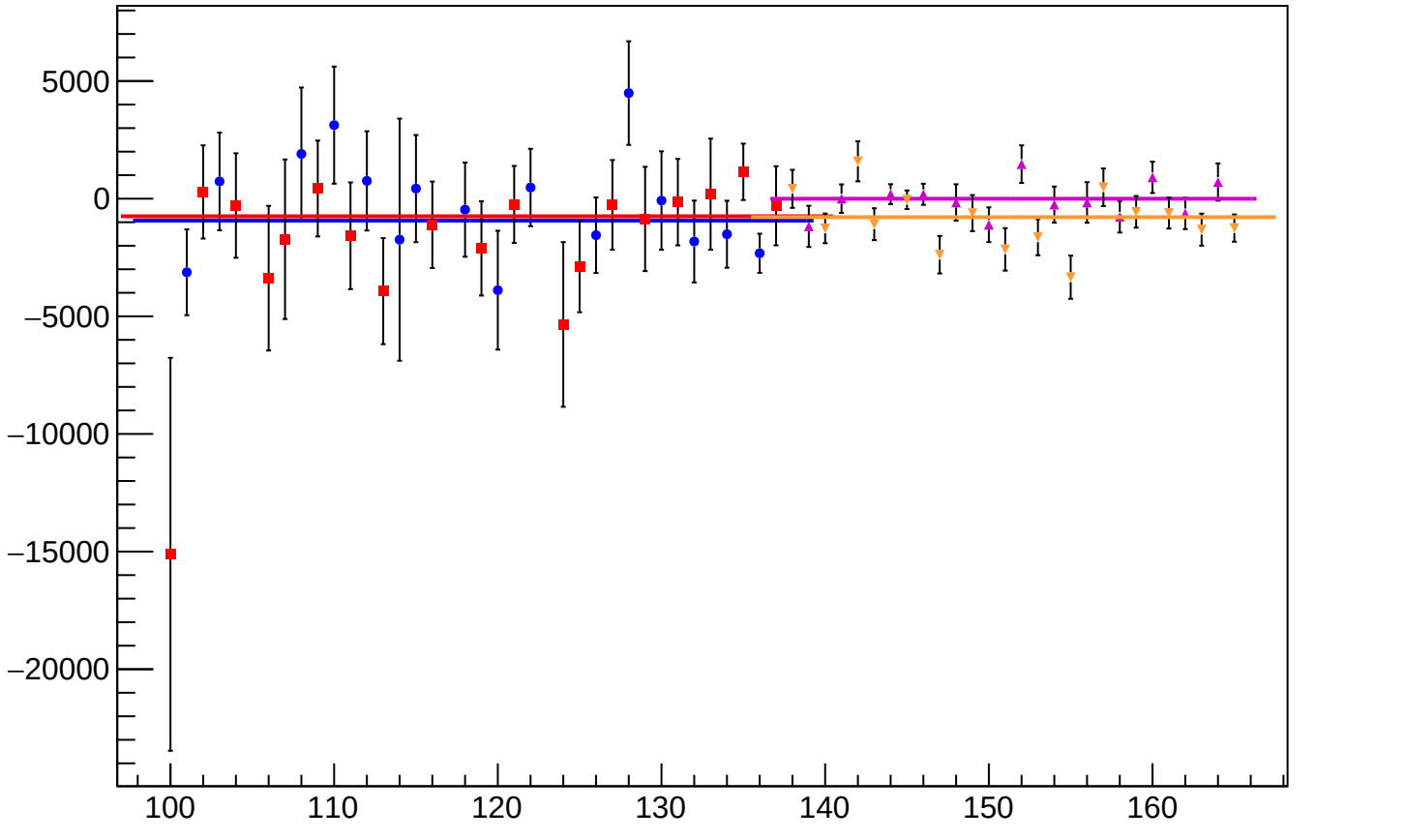
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

+ sign 69.953+/-0.012 χ^2/NDF: 1904546.7/30

All: 70.318+/-0.008 χ^2/NDF: 4154984.8/62

- sign 70.709+/-0.012 χ^2/NDF: 2248438.9/31



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -785.294+/-174.930 χ^2/NDF:33.6/14

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

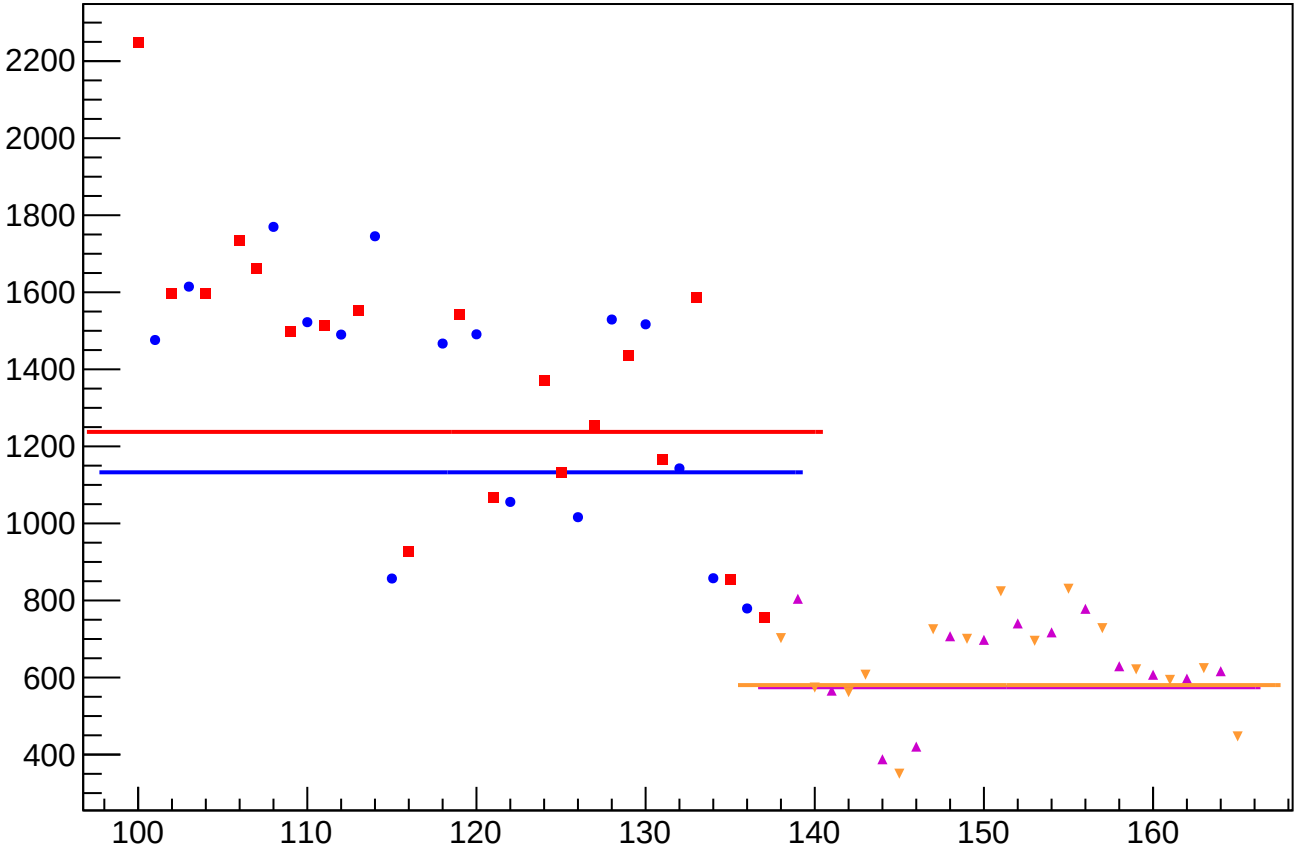
Left In: -2.746+/-179.538 χ^2/NDF:12.9/12

+ sign -804.951+/-162.599 χ^2/NDF: 52.2/30

All: -462.364+/-116.710 χ^2/NDF: 89.4/62

- sign -98.286+/-167.622 χ^2/NDF: 28.1/31

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 580.351+/-0.124 χ^2/NDF:1373350.6/14

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

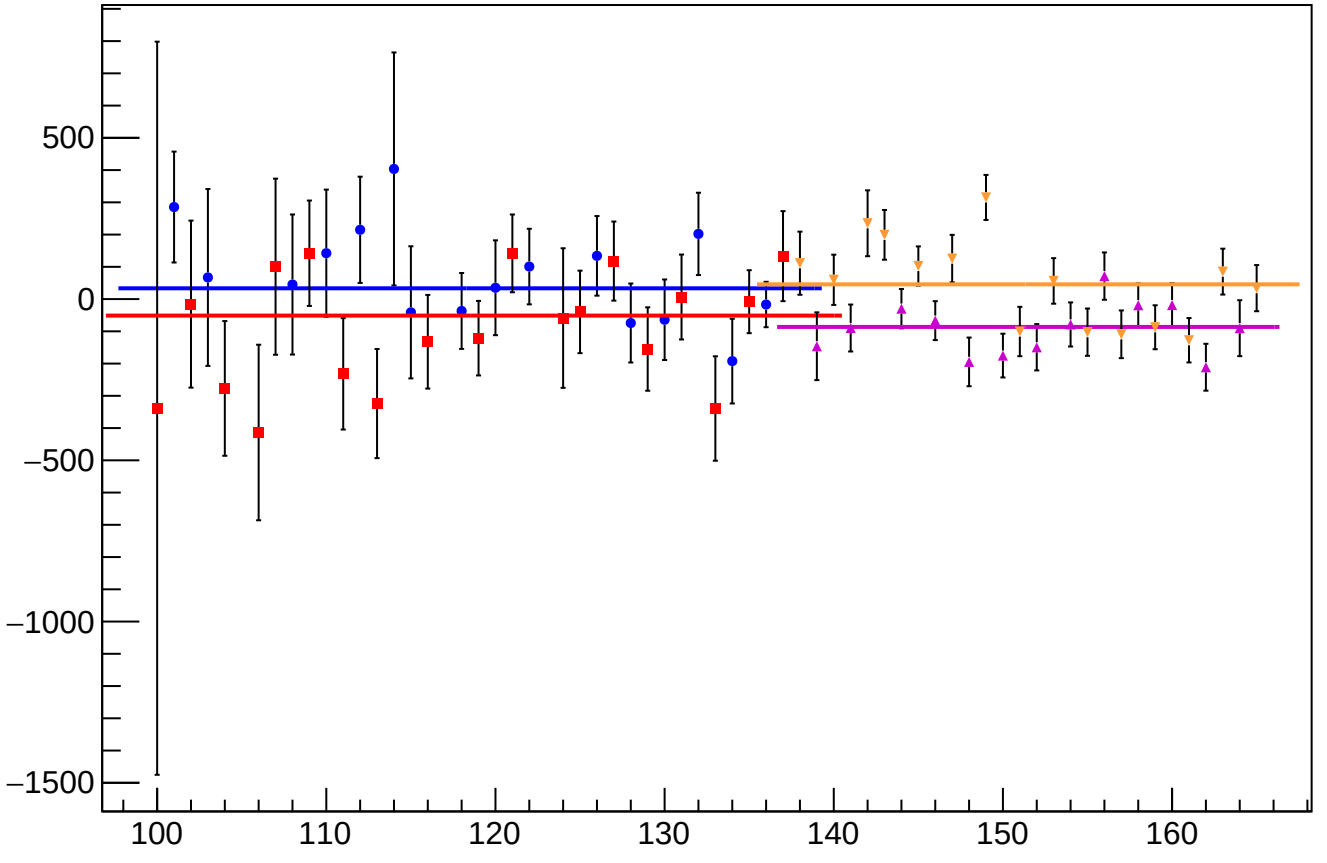
Left In: 574.767+/-0.127 χ^2/NDF:1171257.8/12

+ sign 655.475+/-0.115 χ^2/NDF: 5209440.2/30

All: 657.587+/-0.083 χ^2/NDF: 10775073.5/62

- sign 659.831+/-0.119 χ^2/NDF: 5564937.2/31

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 45.707+/-19.056 χ^2/NDF:47.5/14

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

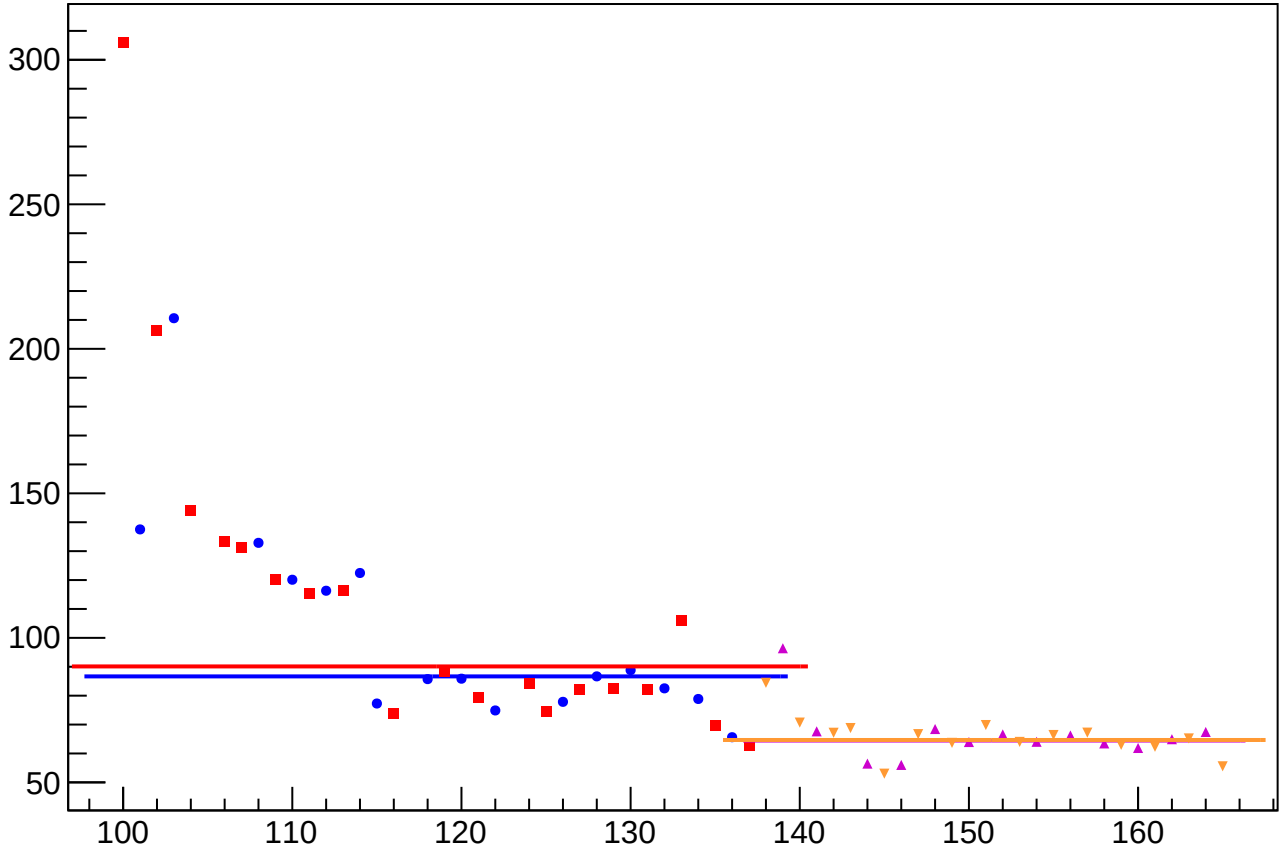
Left In: -86.347+/-19.741 χ^2/NDF:15.4/12

+ sign 42.755+/-16.609 χ^2/NDF: 60.4/30

All: -15.498+/-11.940 χ^2/NDF: 121.5/62

- sign -77.807+/-17.177 χ^2/NDF: 35.7/31

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 64.666+/-0.013 χ^2/NDF:225115.8/14

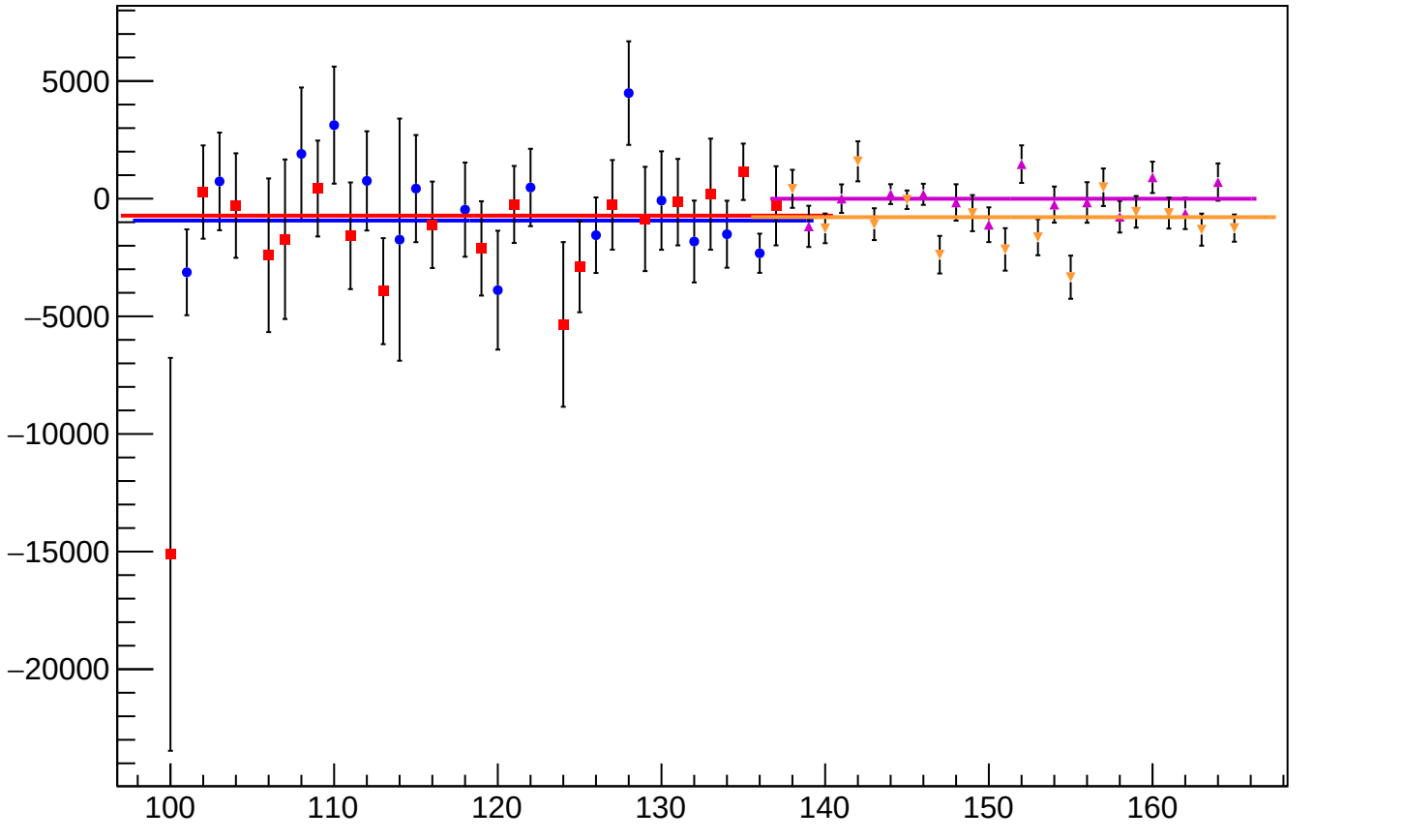
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

+ sign 69.953+/-0.012 χ^2/NDF: 1904549.2/30

All: 70.314+/-0.008 χ^2/NDF: 4147794.4/62

- sign 70.699+/-0.012 χ^2/NDF: 2241296.5/31



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -785.291+/-174.930 χ^2/NDF:33.6/14

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

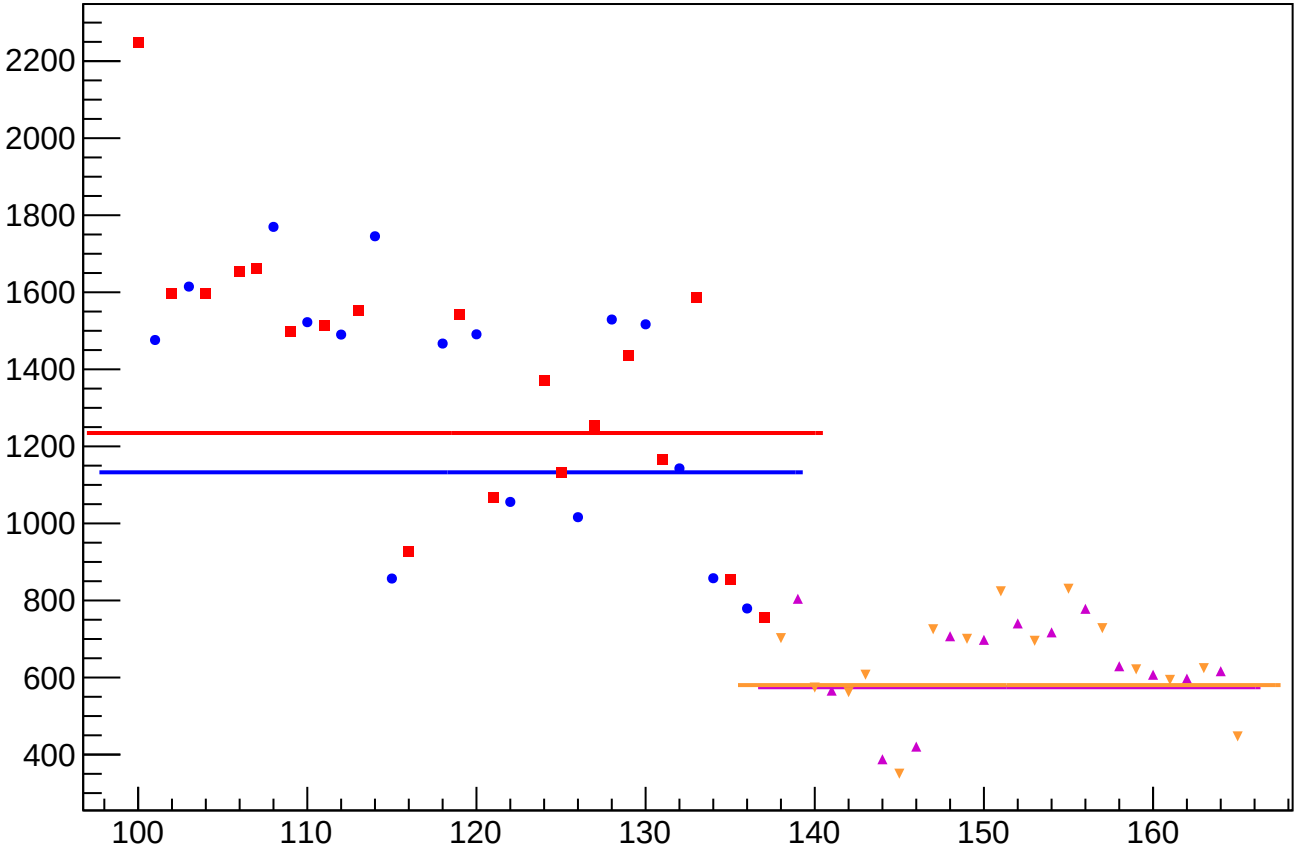
Left In: -2.747+/-179.538 χ^2/NDF:12.9/12

+ sign -804.943+/-162.599 χ^2/NDF: 52.2/30

All: -460.662+/-116.720 χ^2/NDF: 88.9/62

- sign -94.655+/-167.651 χ^2/NDF: 27.4/31

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 580.351+/-0.124 χ^2/NDF:1373353.1/14

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

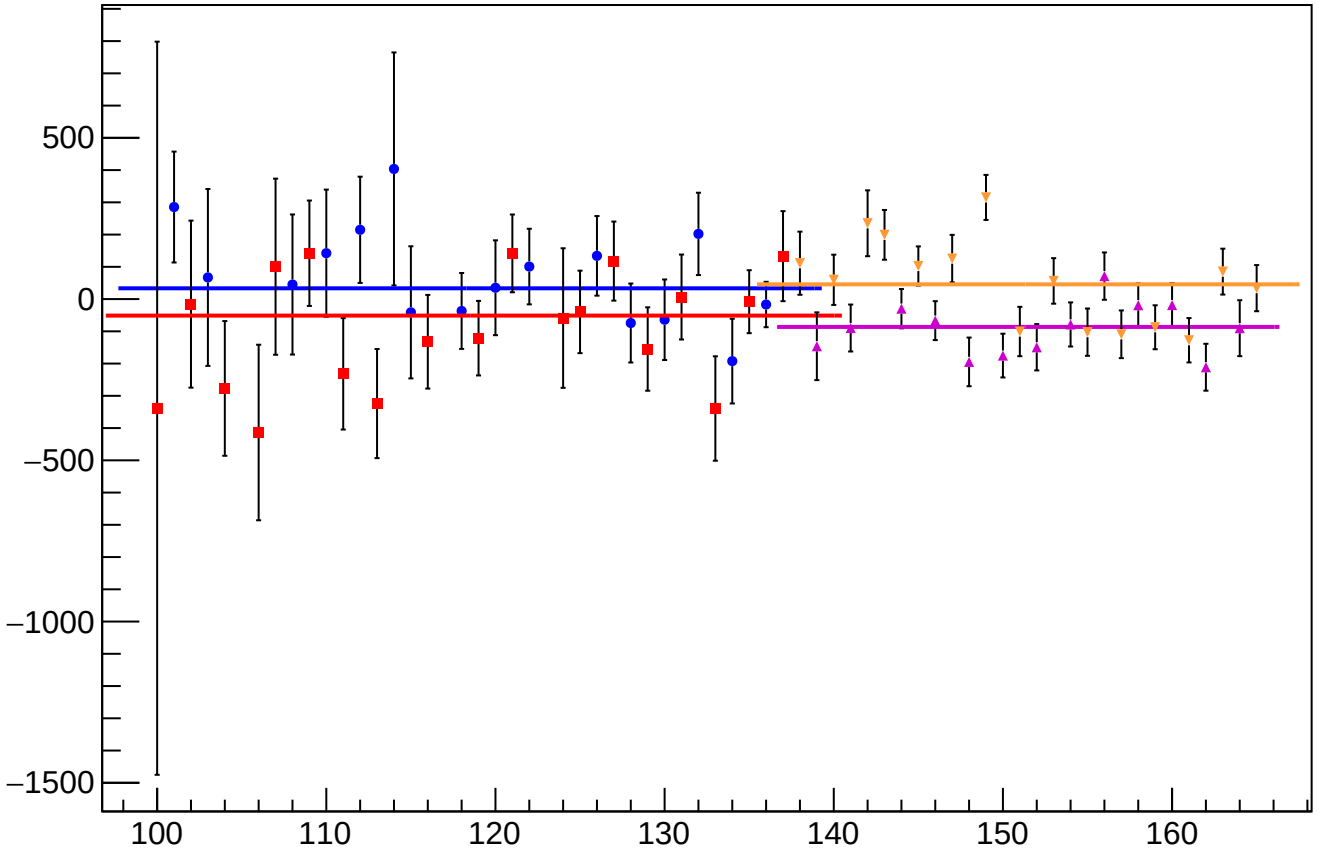
Left In: 574.767+/-0.127 χ^2/NDF:1171258.5/12

+ sign 655.474+/-0.115 χ^2/NDF: 5209481.4/30

All: 657.310+/-0.083 χ^2/NDF: 10717319.1/62

- sign 659.261+/-0.119 χ^2/NDF: 5507312.1/31

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 45.707+/-19.056 χ^2/NDF:47.5/14

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

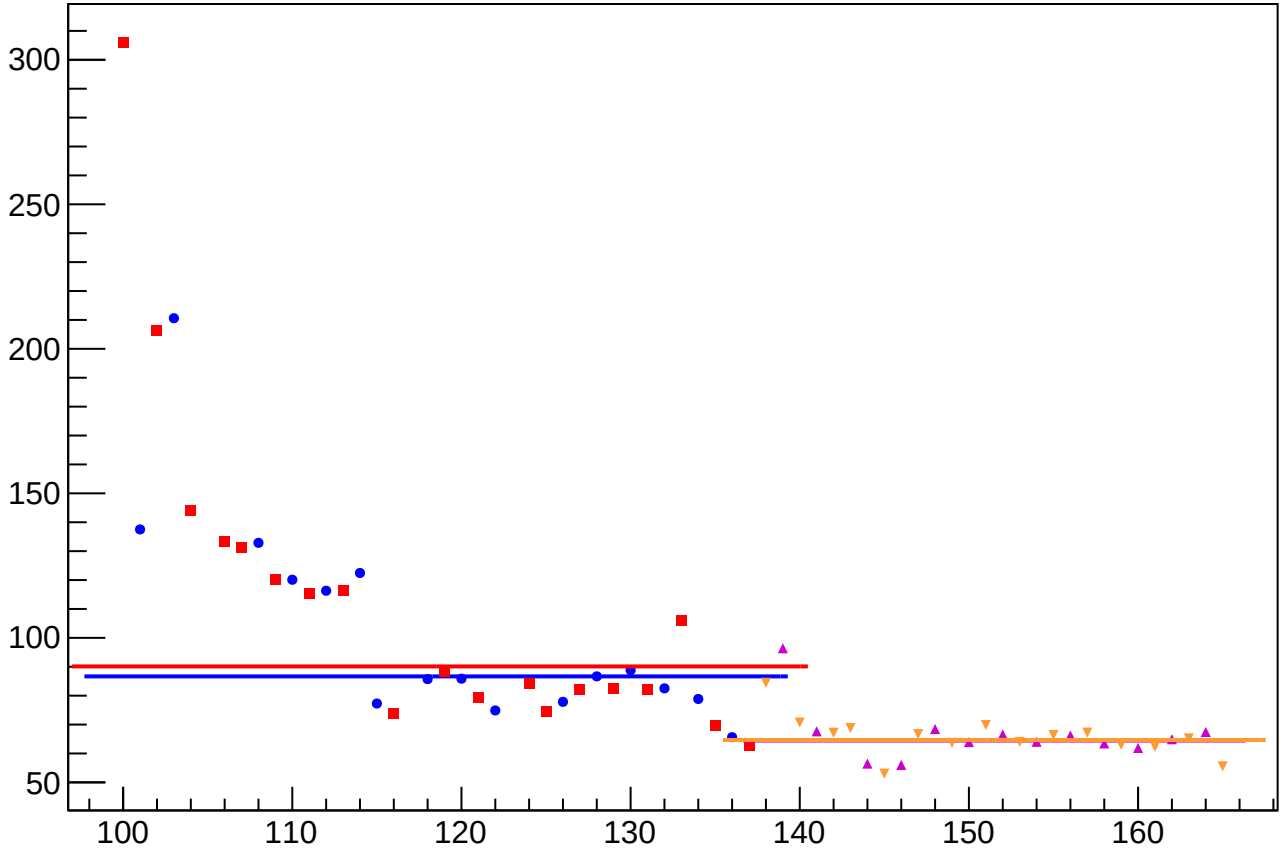
Left In: -86.347+/-19.741 χ^2/NDF:15.4/12

+ sign 42.755+/-16.609 χ^2/NDF: 60.4/30

All: -15.498+/-11.940 χ^2/NDF: 121.5/62

- sign -77.807+/-17.177 χ^2/NDF: 35.7/31

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 64.666+/-0.013 χ^2/NDF:225115.8/14

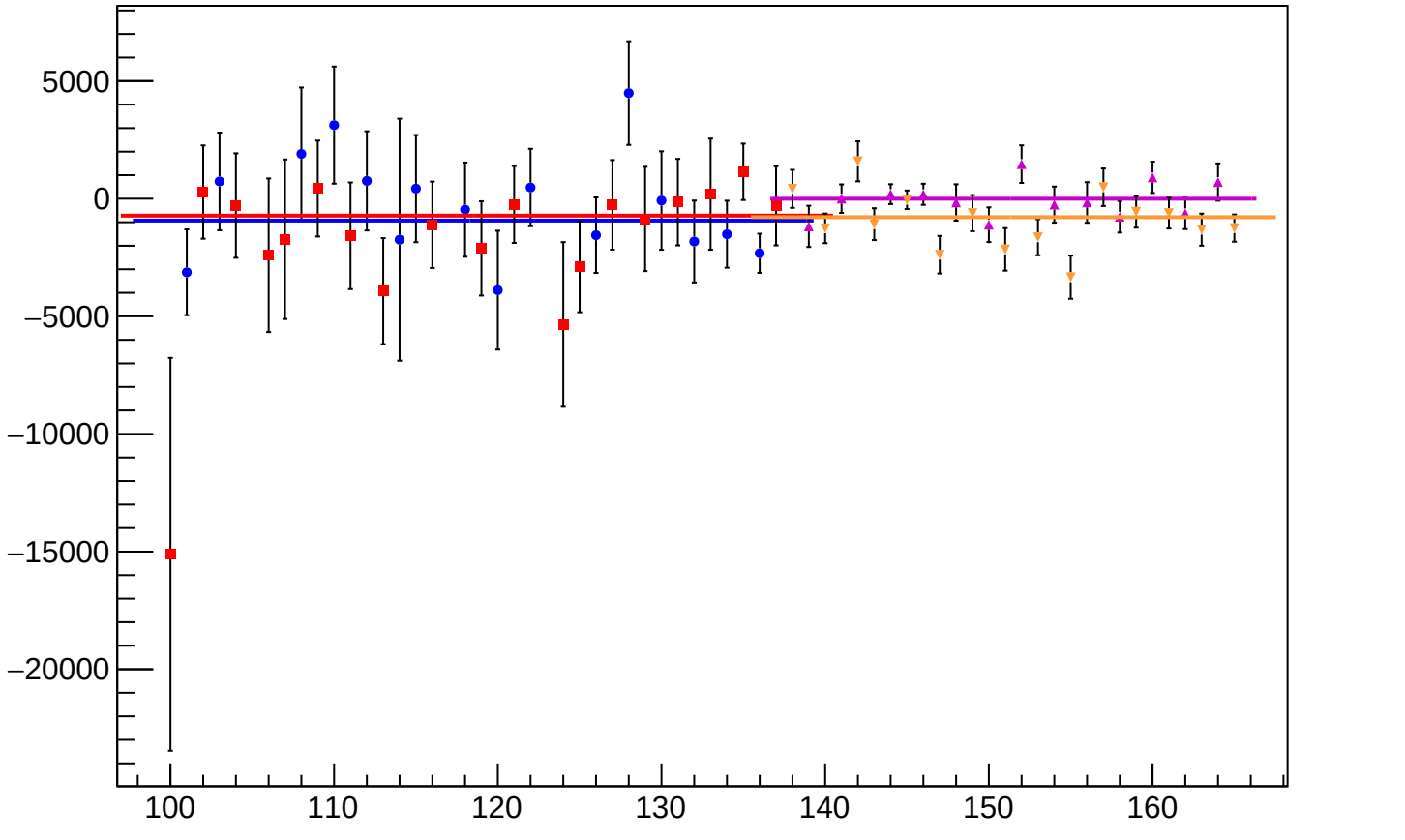
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

+ sign 69.953+/-0.012 χ^2/NDF: 1904549.2/30

All: 70.314+/-0.008 χ^2/NDF: 4147794.4/62

- sign 70.699+/-0.012 χ^2/NDF: 2241296.5/31



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -785.291+/-174.930 χ^2/NDF:33.6/14

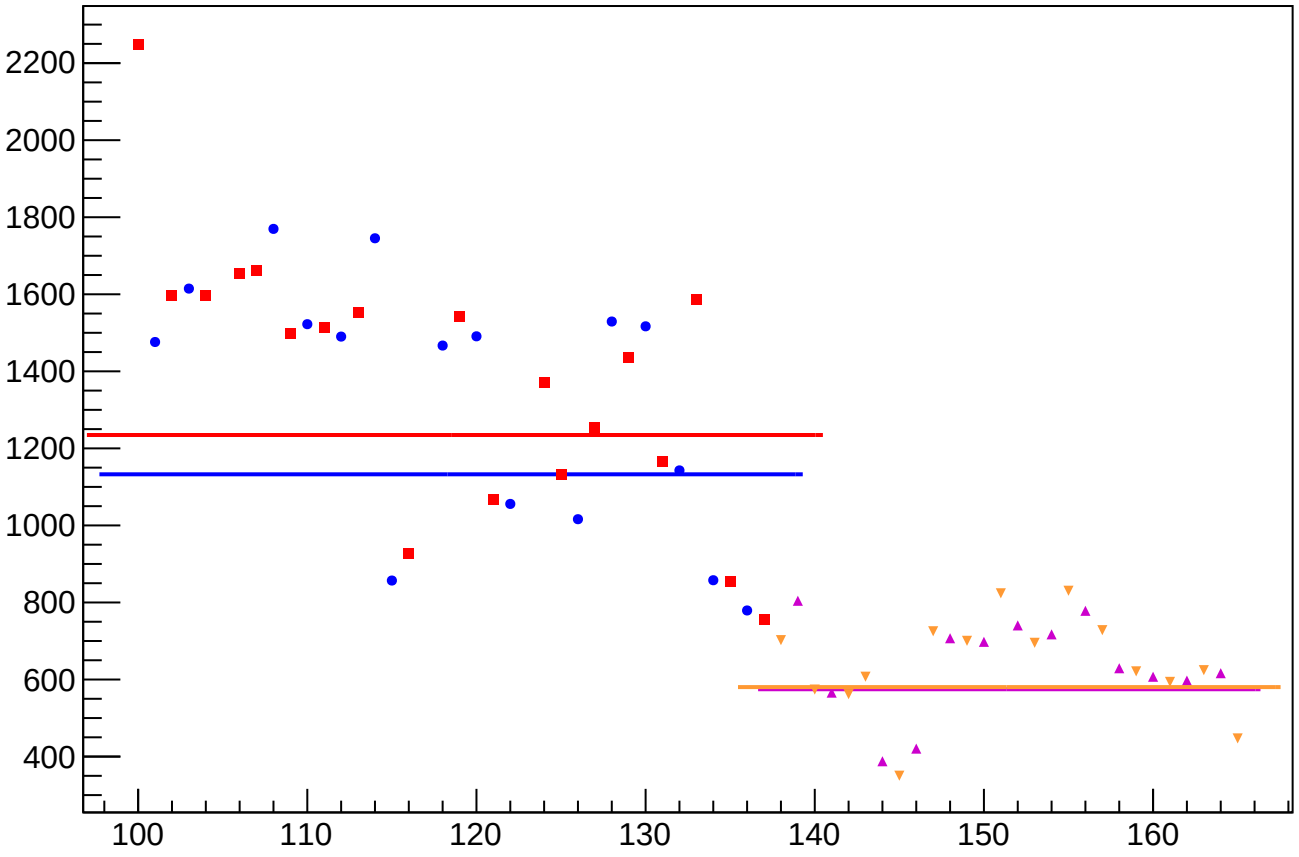
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -2.747+/-179.538 χ^2/NDF:12.9/12

+ sign -804.943+/-162.599 χ^2/NDF: 52.2/30

All: -460.662+/-116.720 χ^2/NDF: 88.9/62

- sign -94.655+/-167.651 χ^2/NDF: 27.4/31



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 580.351+/-0.124 χ^2/NDF:1373353.1/14

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

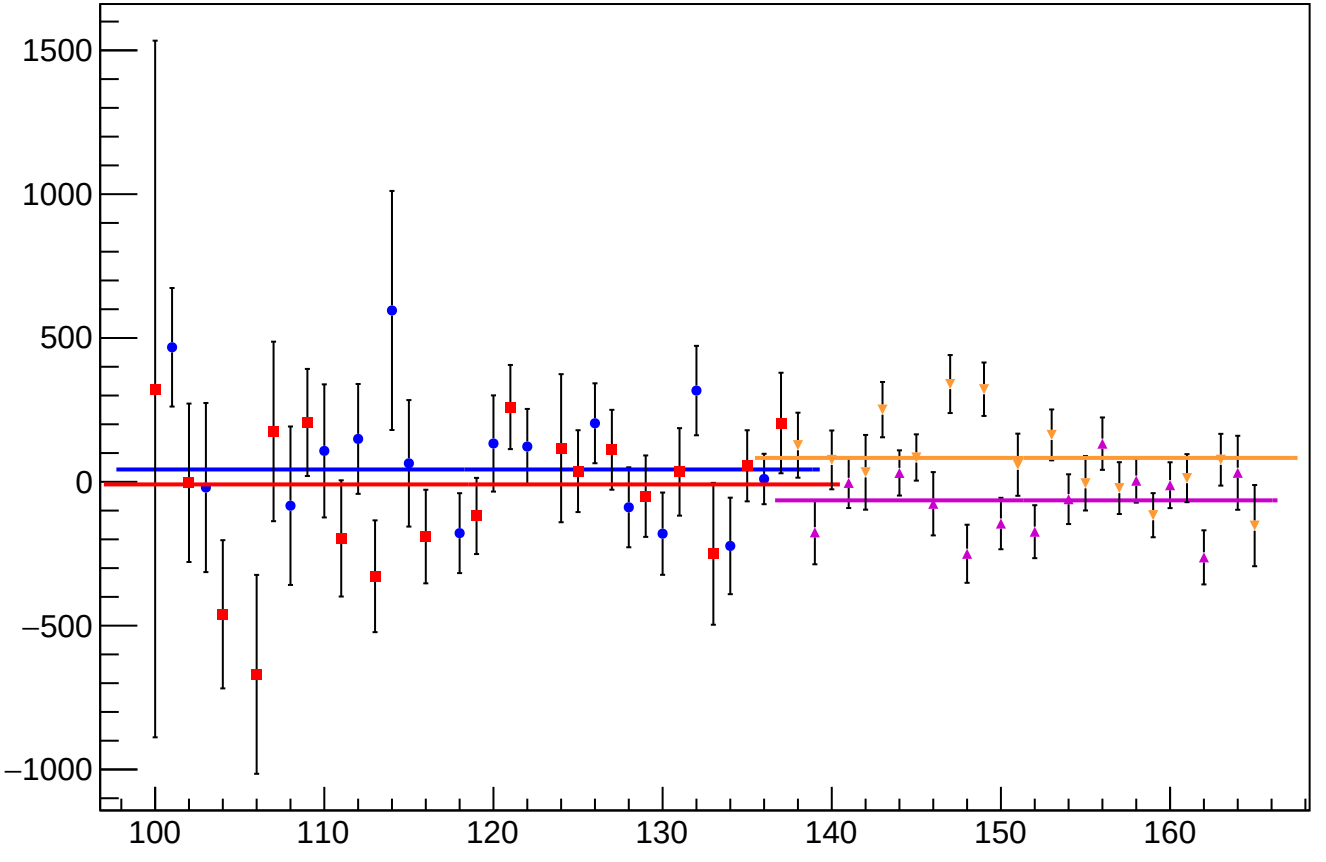
Left In: 574.767+/-0.127 χ^2/NDF:1171258.5/12

+ sign 655.474+/-0.115 χ^2/NDF: 5209481.4/30

All: 657.310+/-0.083 χ^2/NDF: 10717319.1/62

- sign 659.261+/-0.119 χ^2/NDF: 5507312.1/31

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 83.108+/-24.647 χ^2/NDF:29.8/14

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

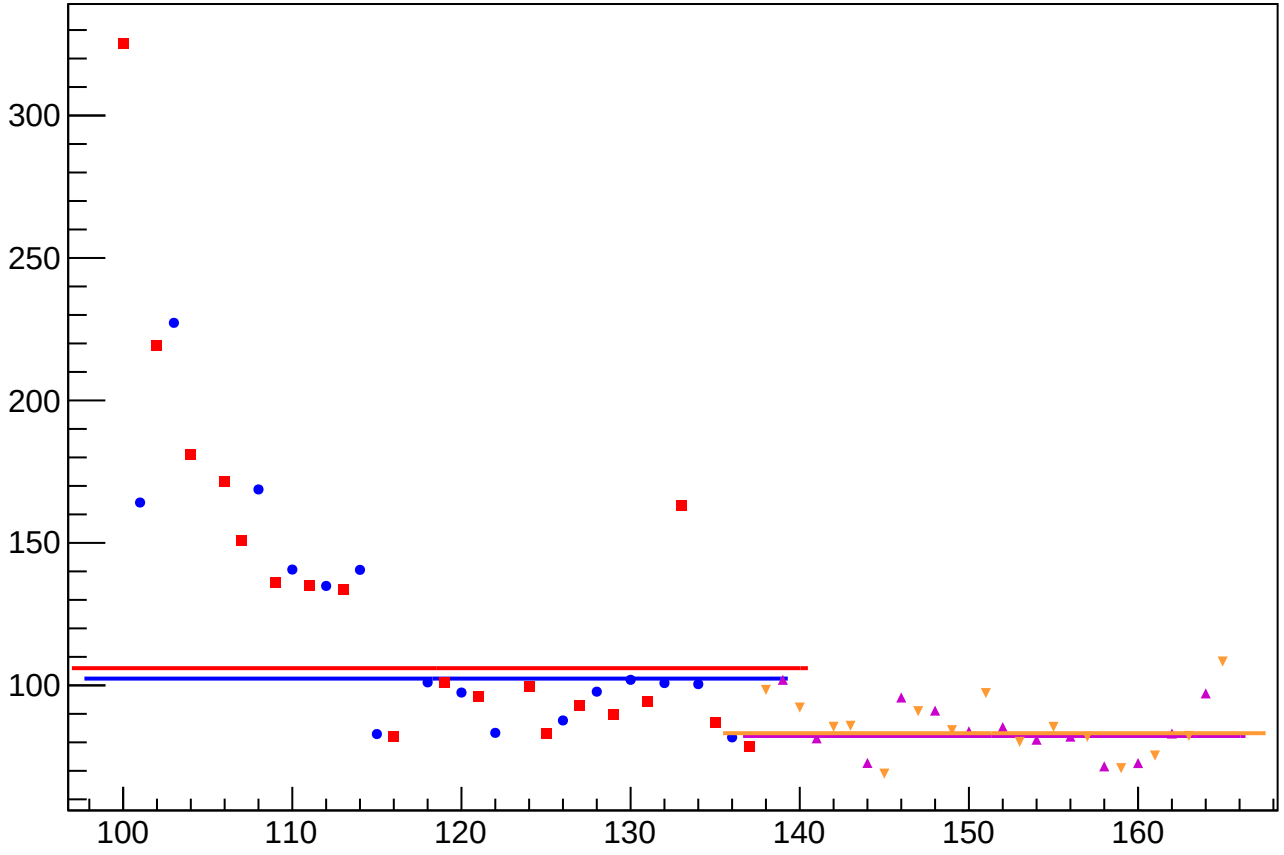
Left In: -64.424+/-25.366 χ^2/NDF:19.5/12

+ sign 72.026+/-20.976 χ^2/NDF: 50.8/30

All: 13.177+/-15.041 χ^2/NDF: 109.2/62

- sign -49.111+/-21.580 χ^2/NDF: 42.1/31

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 83.211+/-0.017 χ^2/NDF:298352.4/14

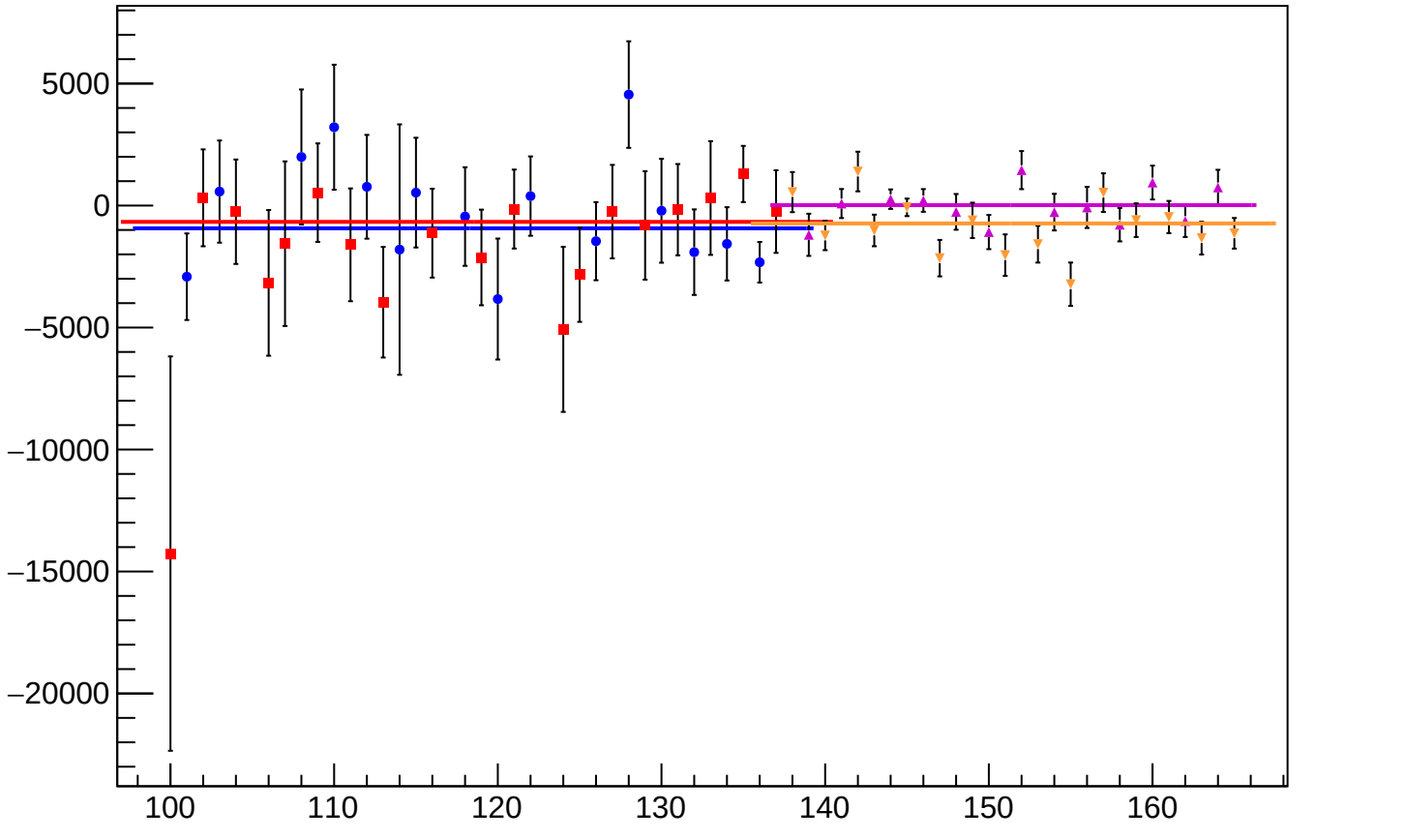
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.237+/-0.018 χ^2/NDF:235831.9/12

\+ sign 88.496+/-0.015 χ^2/NDF: 1614144.2/30

All: 88.649+/-0.011 χ^2/NDF: 3527636.4/62

\- sign 88.810+/-0.015 χ^2/NDF: 1913273.6/31



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -732.797+/-169.761 χ^2/NDF:32.6/14

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

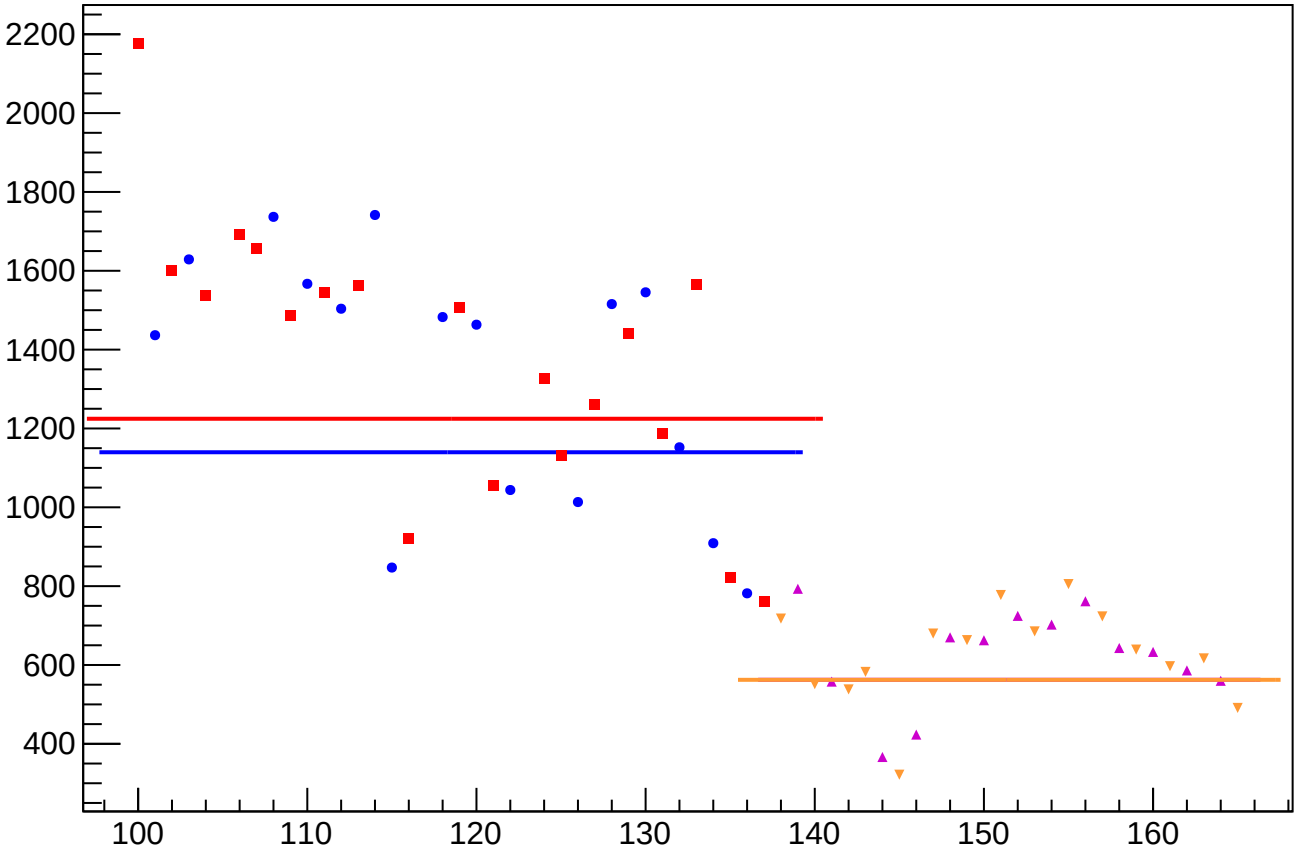
Left In: 17.629+/-176.193 χ^2/NDF:13.9/12

+ sign -758.380+/-158.508 χ^2/NDF: 51.2/30

All: -426.901+/-114.202 χ^2/NDF: 89.6/62

- sign -69.097+/-164.682 χ^2/NDF: 29.2/31

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 562.376+/-0.120 χ^2/NDF:1543117.6/14

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

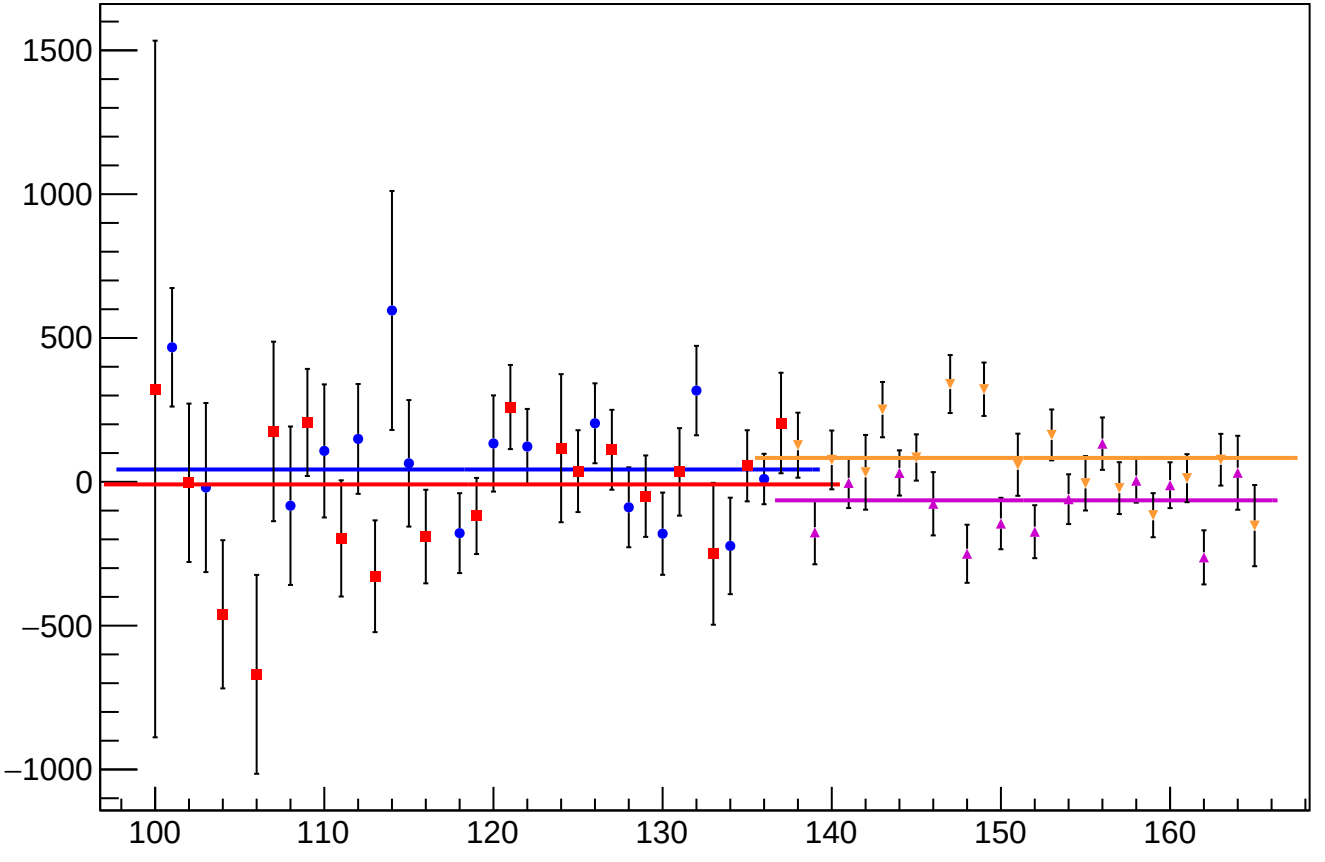
Left In: 562.452+/-0.125 χ^2/NDF:1204275.7/12

+ sign 636.374+/-0.112 χ^2/NDF: 5601105.8/30

All: 641.075+/-0.081 χ^2/NDF: 11302044.6/62

- sign 646.148+/-0.116 χ^2/NDF: 5697281.7/31

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 83.109+/-24.647 χ^2/NDF:29.8/14

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

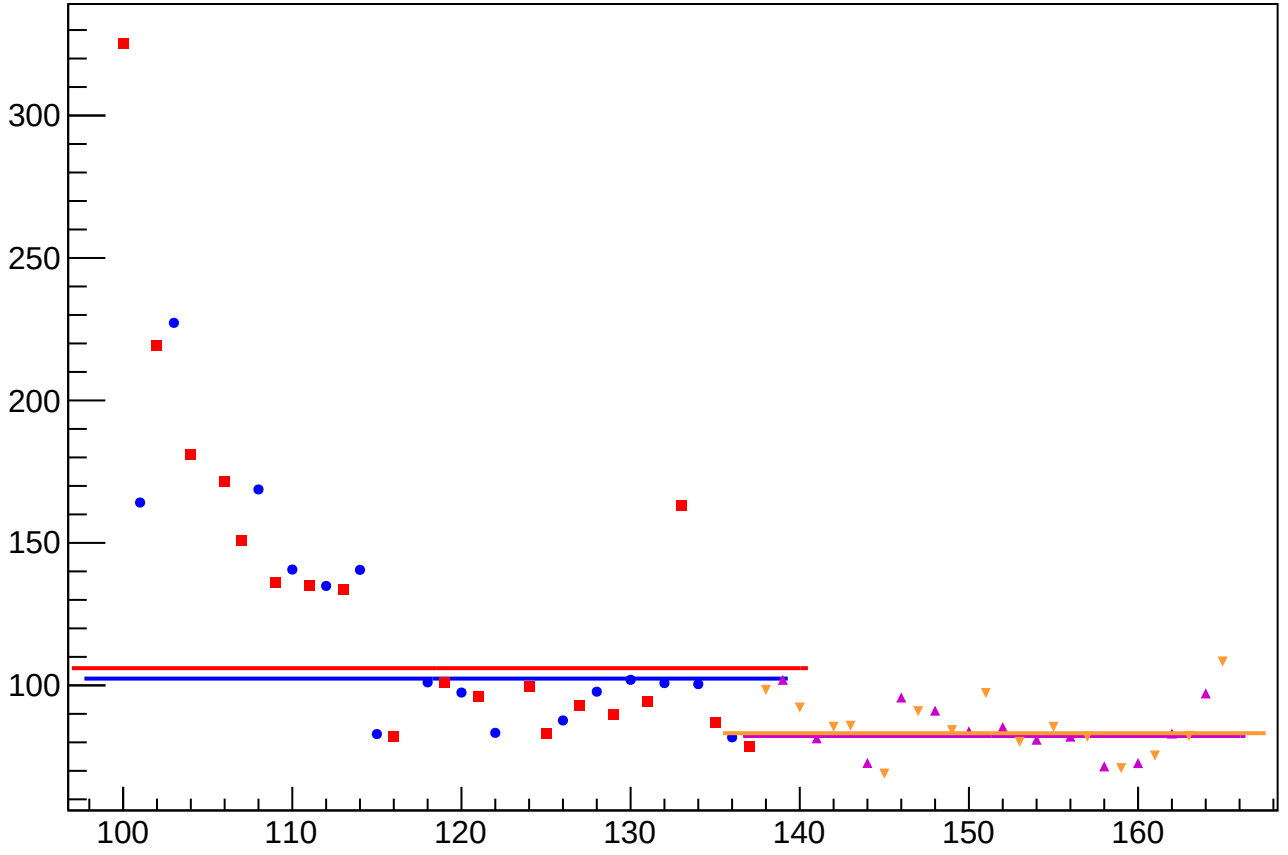
Left In: -64.423+/-25.366 χ^2/NDF:19.5/12

+ sign 72.027+/-20.976 χ^2/NDF: 50.8/30

All: 13.179+/-15.041 χ^2/NDF: 109.2/62

- sign -49.109+/-21.580 χ^2/NDF: 42.1/31

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 83.212+/-0.017 χ^2/NDF:298347.0/14

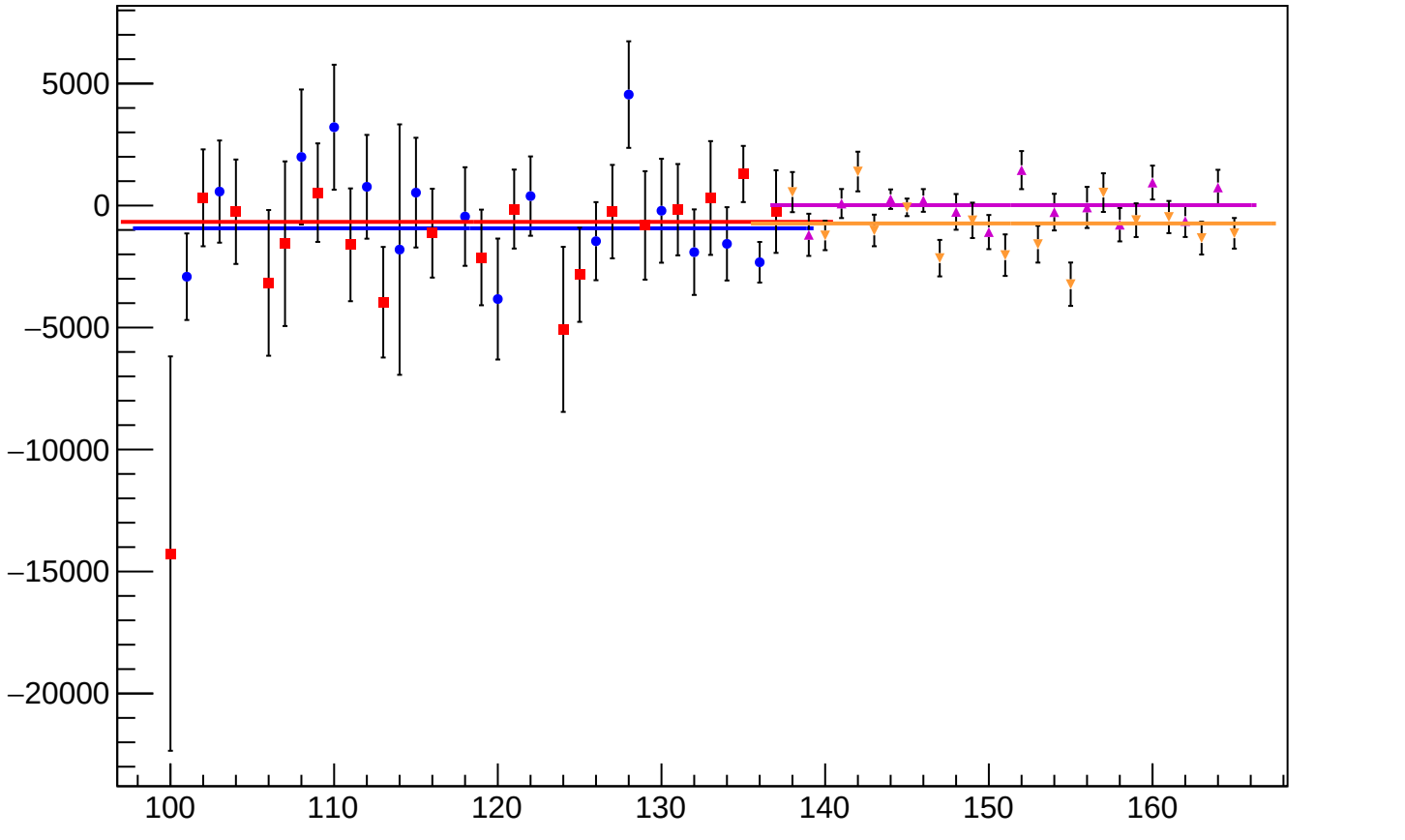
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.238+/-0.018 χ^2/NDF:235837.9/12

+ sign 88.496+/-0.015 χ^2/NDF: 1614116.5/30

All: 88.649+/-0.011 χ^2/NDF: 3527603.0/62

- sign 88.811+/-0.015 χ^2/NDF: 1913268.0/31



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -732.795+/-169.761 χ^2/NDF:32.6/14

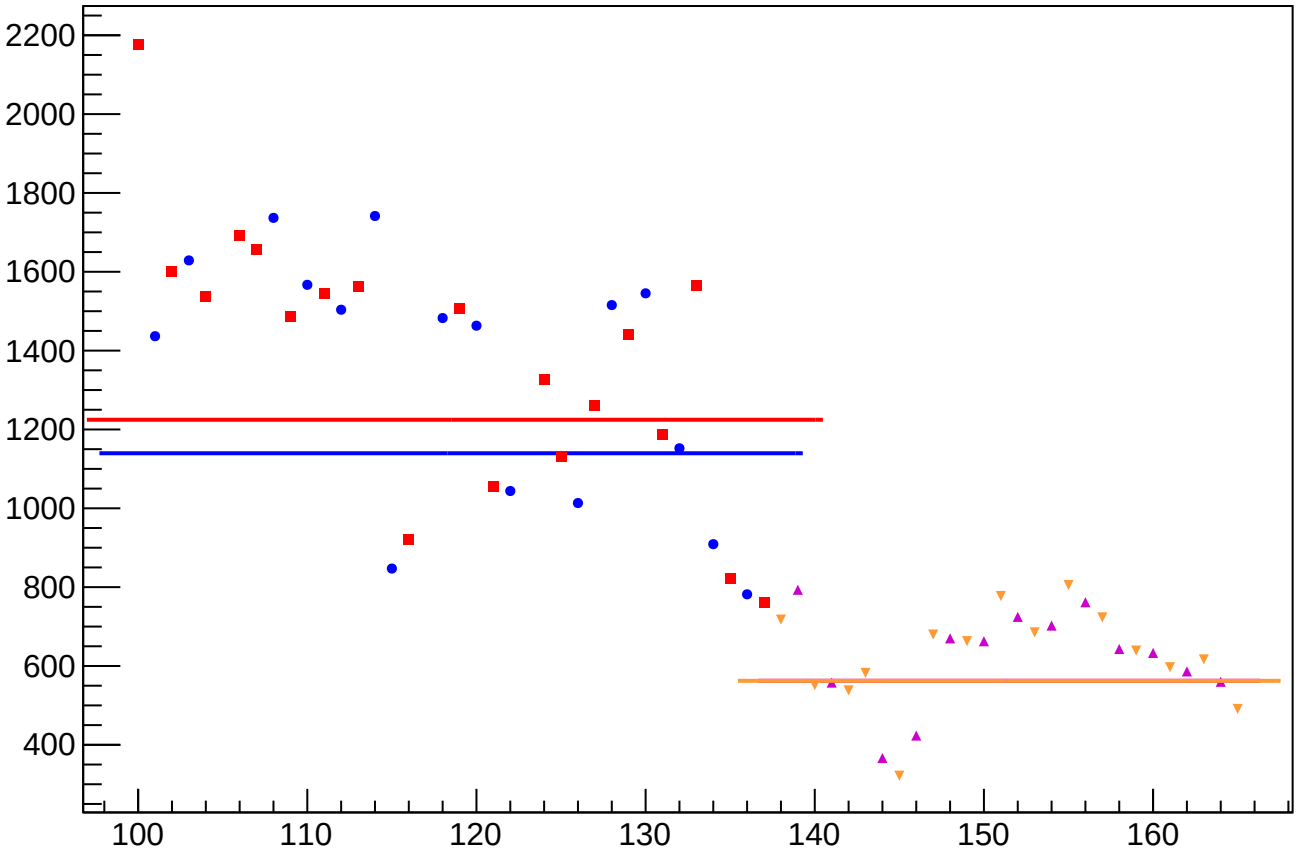
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 17.630+/-176.192 χ^2/NDF:13.9/12

+ sign -758.378+/-158.508 χ^2/NDF: 51.2/30

All: -426.900+/-114.202 χ^2/NDF: 89.6/62

- sign -69.097+/-164.681 χ^2/NDF: 29.2/31



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 562.375+/-0.120 χ^2/NDF:1543137.2/14

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

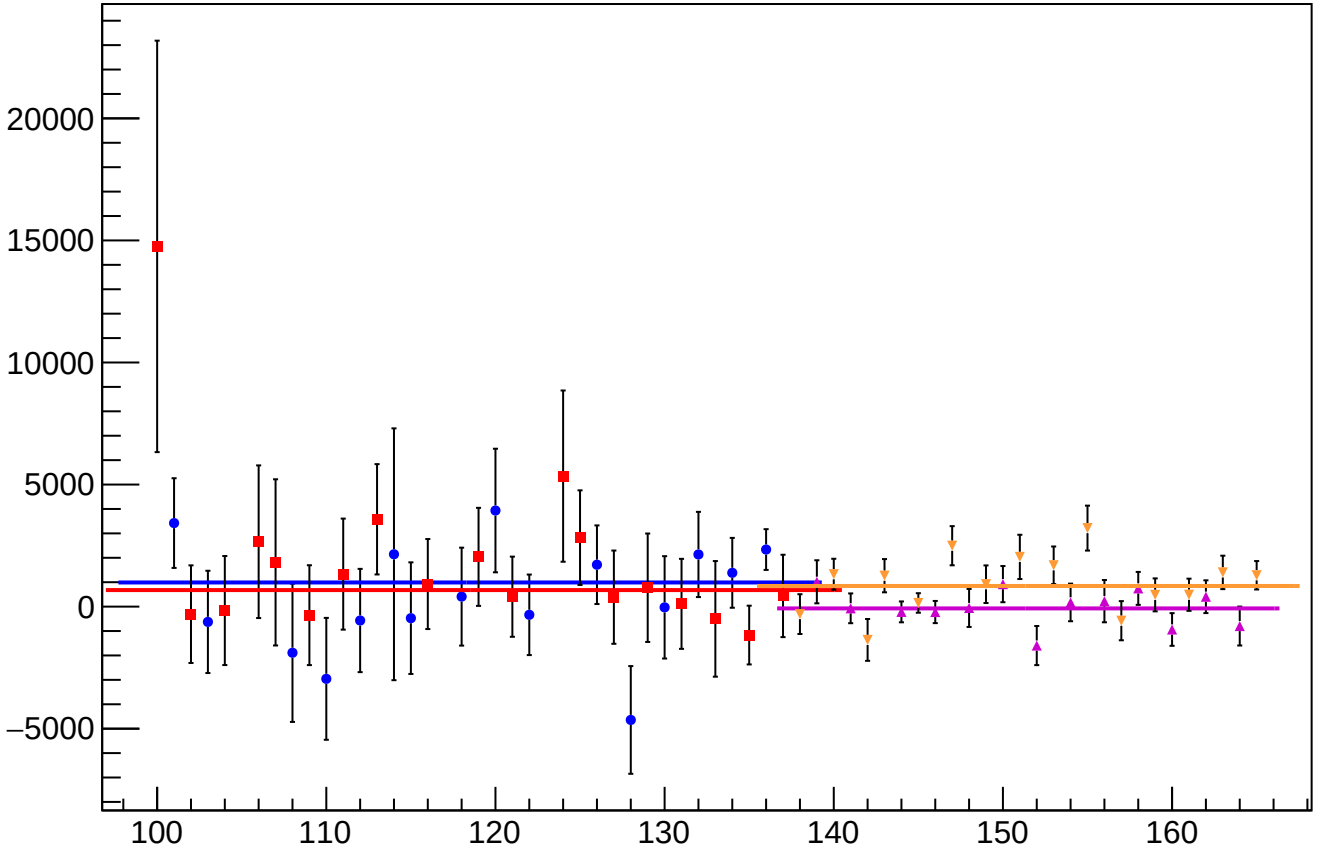
Left In: 562.451+/-0.125 χ^2/NDF:1204281.4/12

+ sign 636.373+/-0.112 χ^2/NDF: 5601121.3/30

All: 641.074+/-0.081 χ^2/NDF: 11302056.9/62

- sign 646.148+/-0.116 χ^2/NDF: 5697278.2/31

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 845.747+/-176.181 χ^2/NDF:31.4/14

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

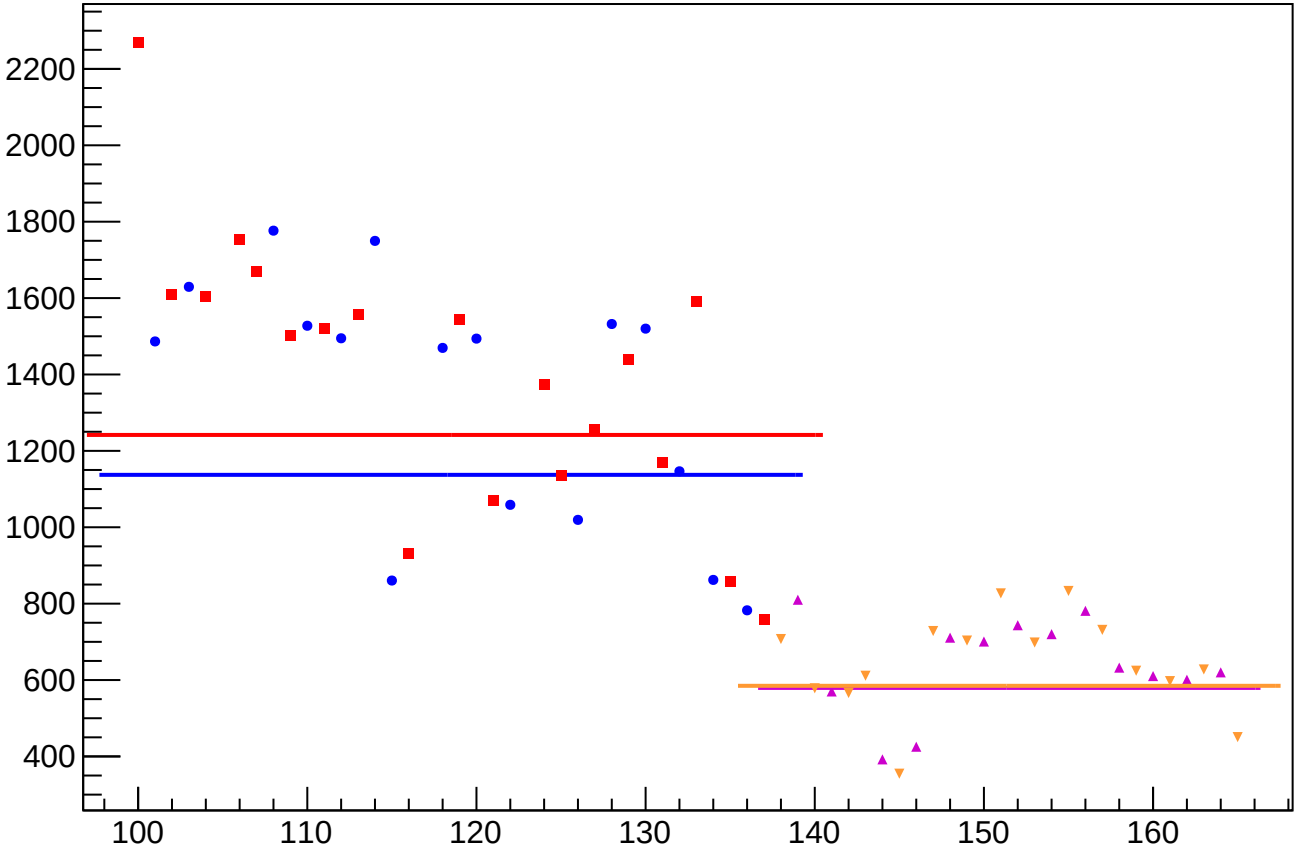
Left In: -73.473+/-180.864 χ^2/NDF:11.8/12

+ sign 865.383+/-163.691 χ^2/NDF: 50.5/30

All: 457.343+/-117.505 χ^2/NDF: 89.3/62

- sign 23.532+/-168.781 χ^2/NDF: 26.0/31

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 584.898+/-0.125 χ^2/NDF:1342476.1/14

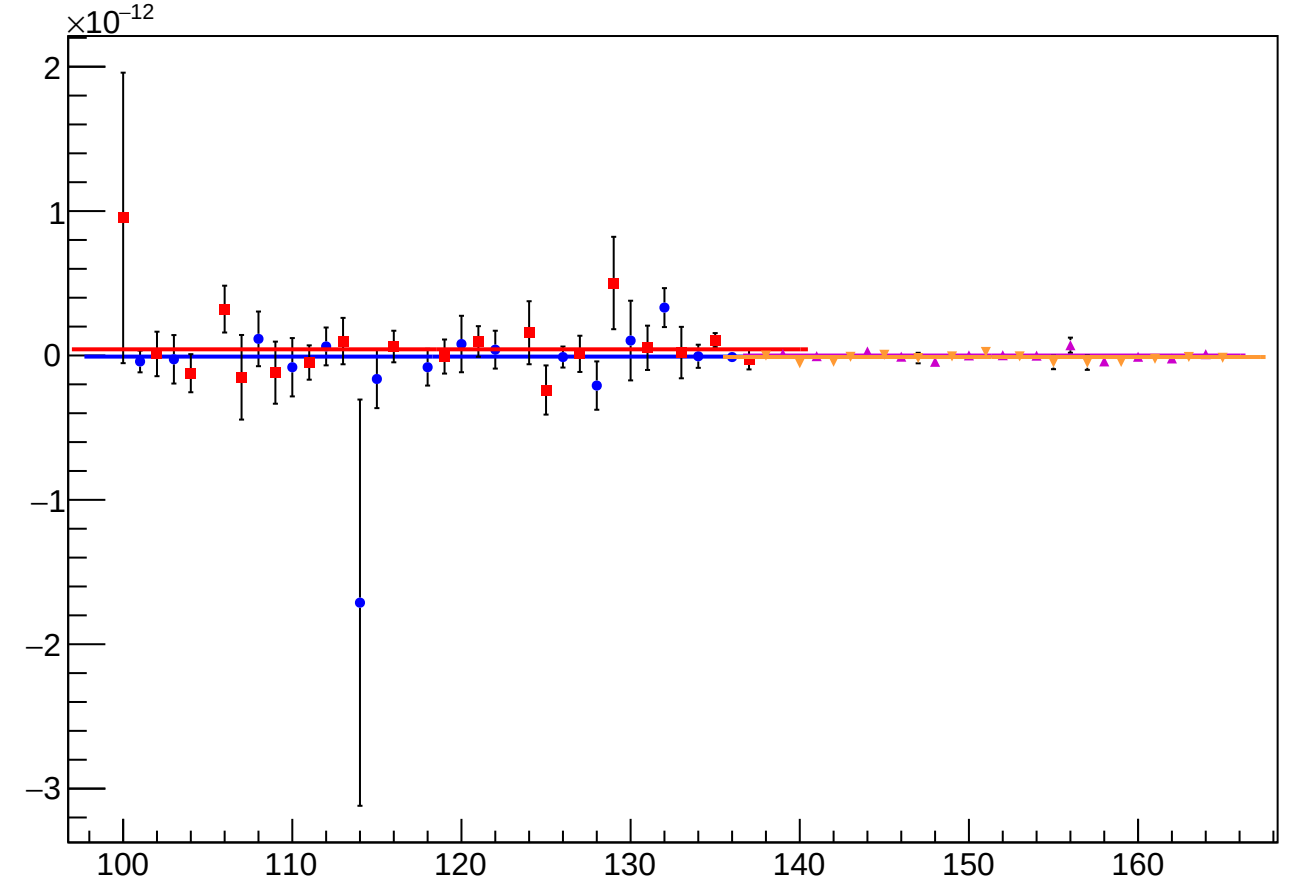
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 579.396+/-0.128 χ^2/NDF:1144764.4/12

+ sign 660.434+/-0.116 χ^2/NDF: 5154322.5/30

All: 662.615+/-0.083 χ^2/NDF: 10662995.5/62

- sign 664.934+/-0.119 χ^2/NDF: 5507940.3/31



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

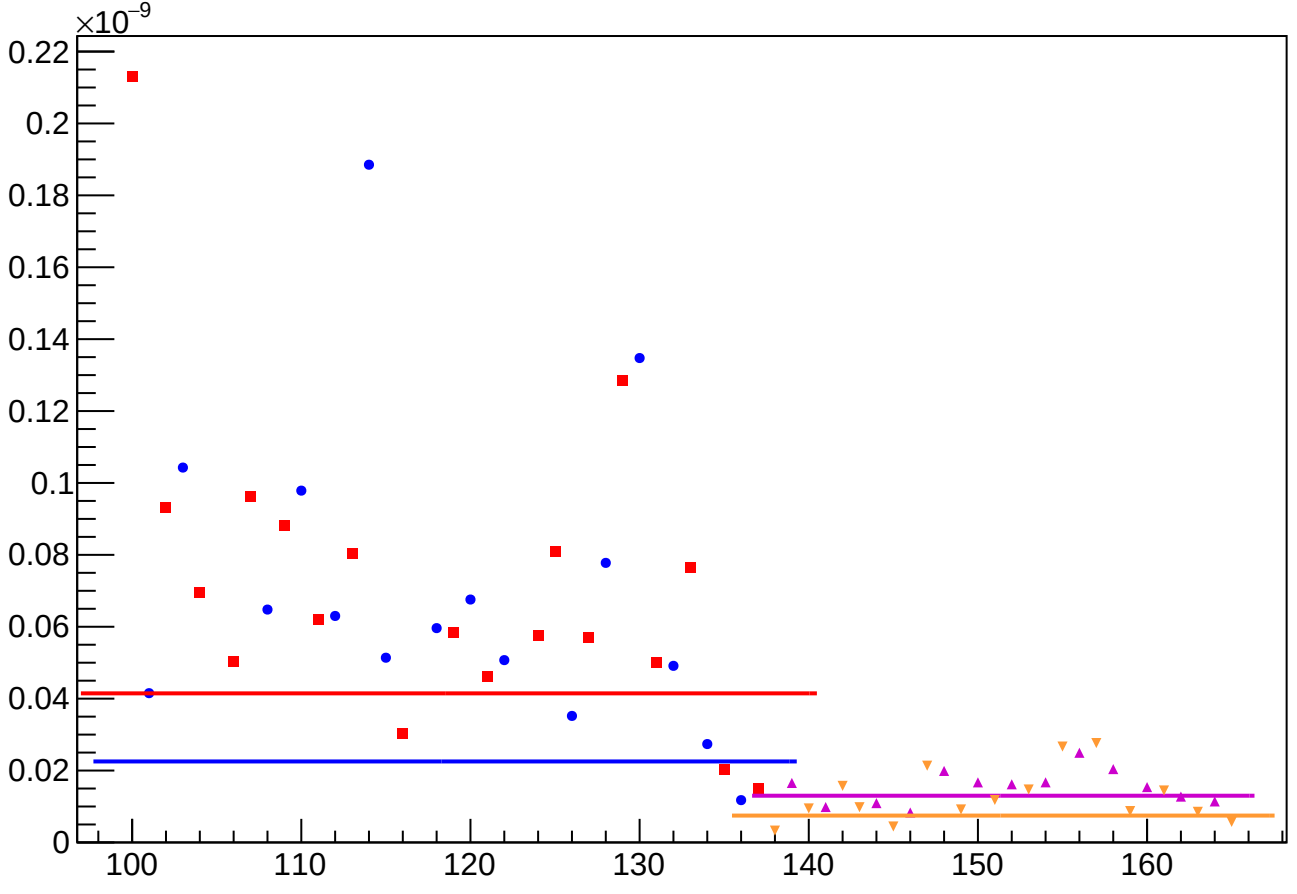
Left In: -0.000+/-0.000 χ^2/NDF:9.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/30

All: -0.000+/-0.000 χ^2/NDF: 59.6/62

- sign 0.000+/-0.000 χ^2/NDF: 27.1/31

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:2156816.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

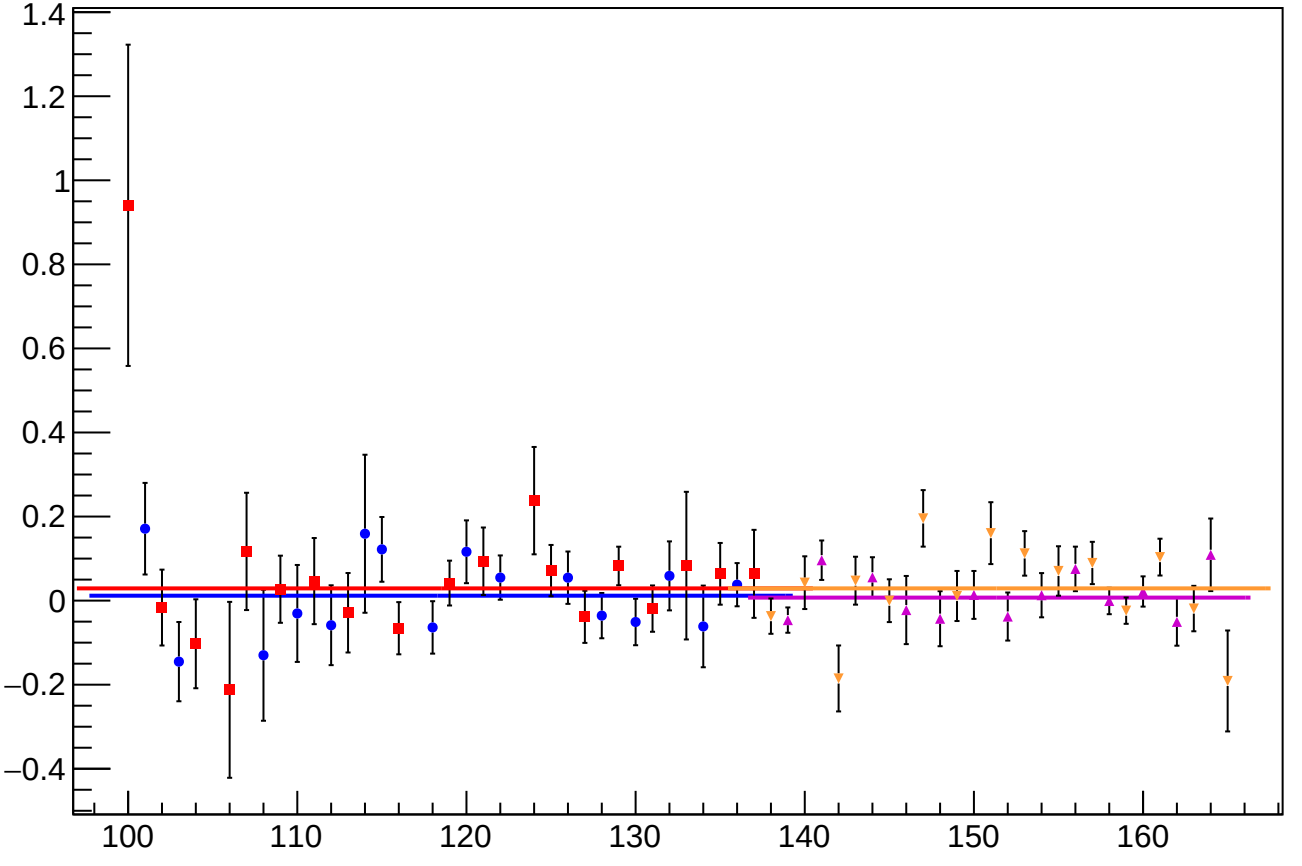
Left In: 0.000+/-0.000 χ^2/NDF:691884.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 6420320.5/30

All: 0.000+/-0.000 χ^2/NDF: 12298770.9/62

- sign 0.000+/-0.000 χ^2/NDF: 4622853.9/31

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: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

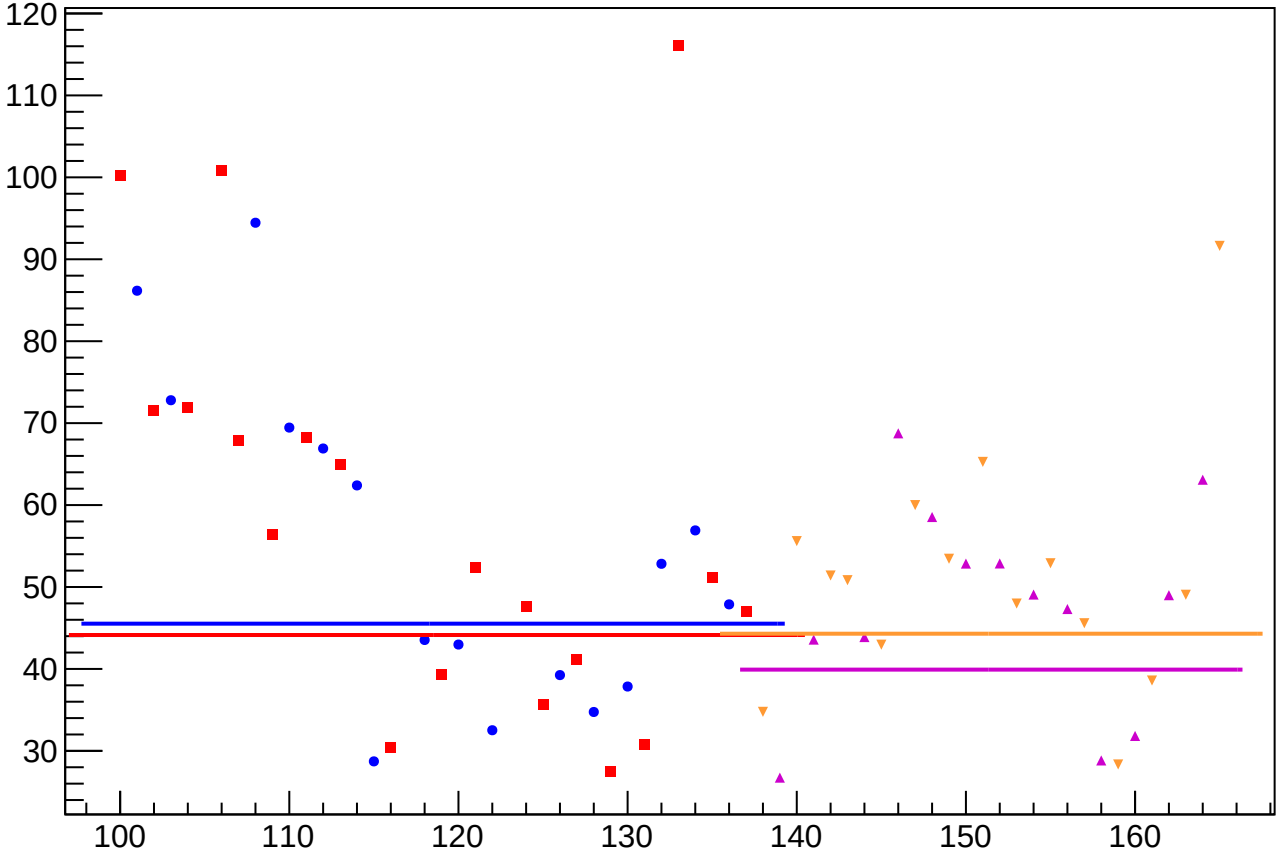
Left In: 0.007+/-0.013 χ^2/NDF:13.5/12

+ sign 0.023+/-0.011 χ^2/NDF: 51.6/30

All: 0.019+/-0.008 χ^2/NDF: 85.9/62

- sign 0.015+/-0.011 χ^2/NDF: 34.0/31

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: 44.299+/-0.010 χ^2/NDF:1463814.7/14

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

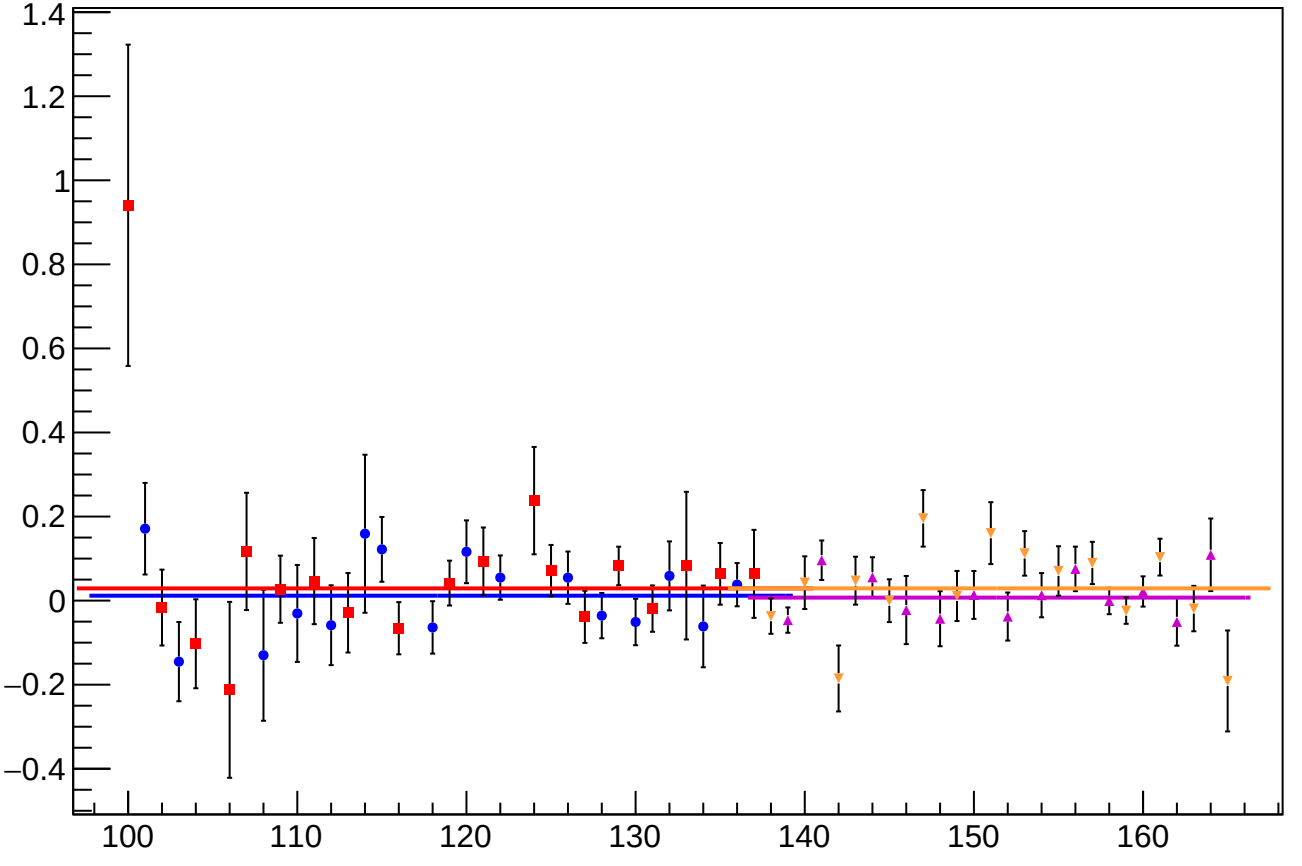
Left In: 39.916+/-0.009 χ^2/NDF:1674564.1/12

+ sign 44.737+/-0.008 χ^2/NDF: 2723532.9/30

All: 42.985+/-0.005 χ^2/NDF: 6312977.4/62

- sign 41.373+/-0.007 χ^2/NDF: 3491125.3/31

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: 0.029+/-0.014 χ^2/NDF:34.1/14

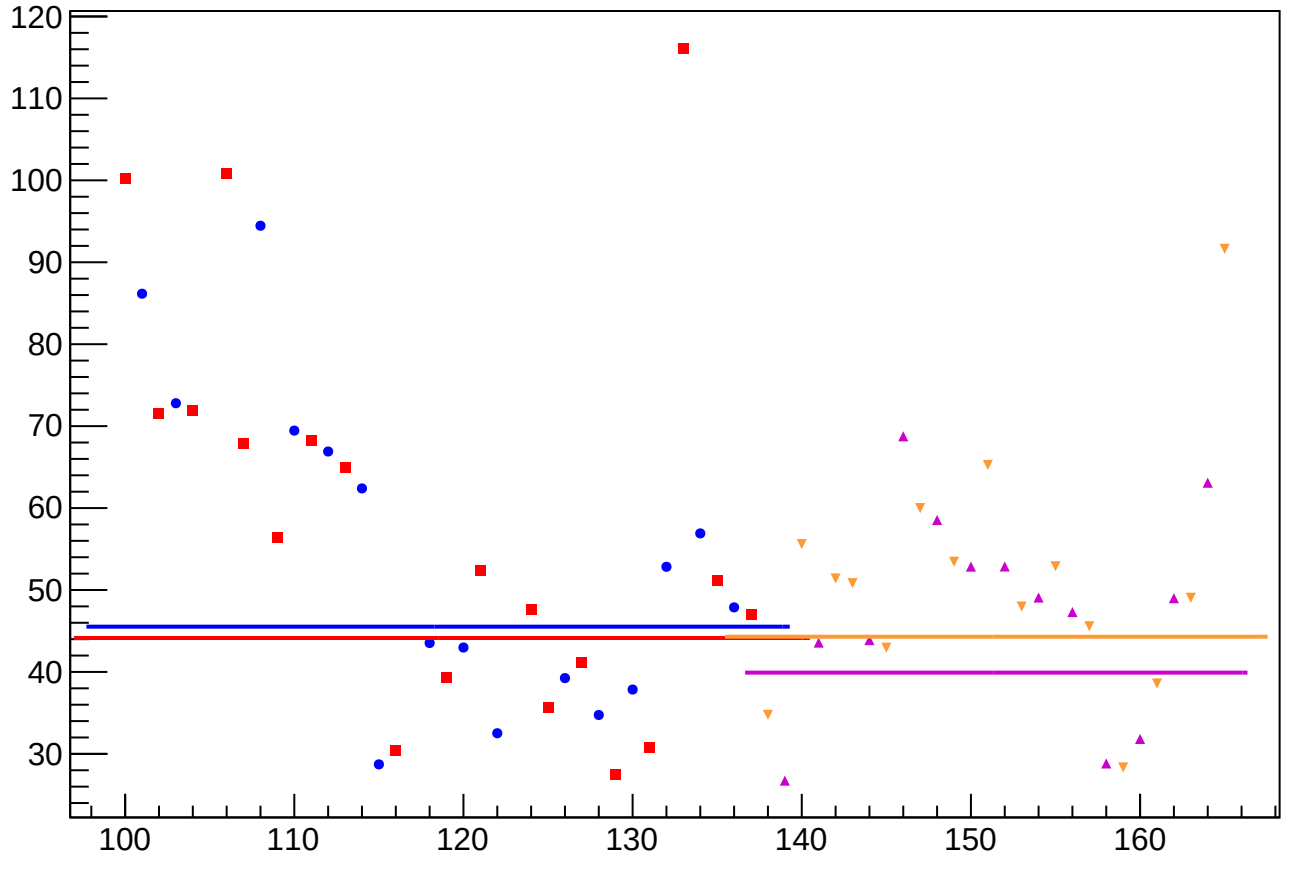
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.007+/-0.013 χ^2/NDF:13.5/12

+ sign 0.023+/-0.011 χ^2/NDF: 51.6/30

All: 0.019+/-0.008 χ^2/NDF: 85.9/62

- sign 0.015+/-0.011 χ^2/NDF: 34.0/31



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.299+/-0.010 χ^2/NDF:1463814.7/14

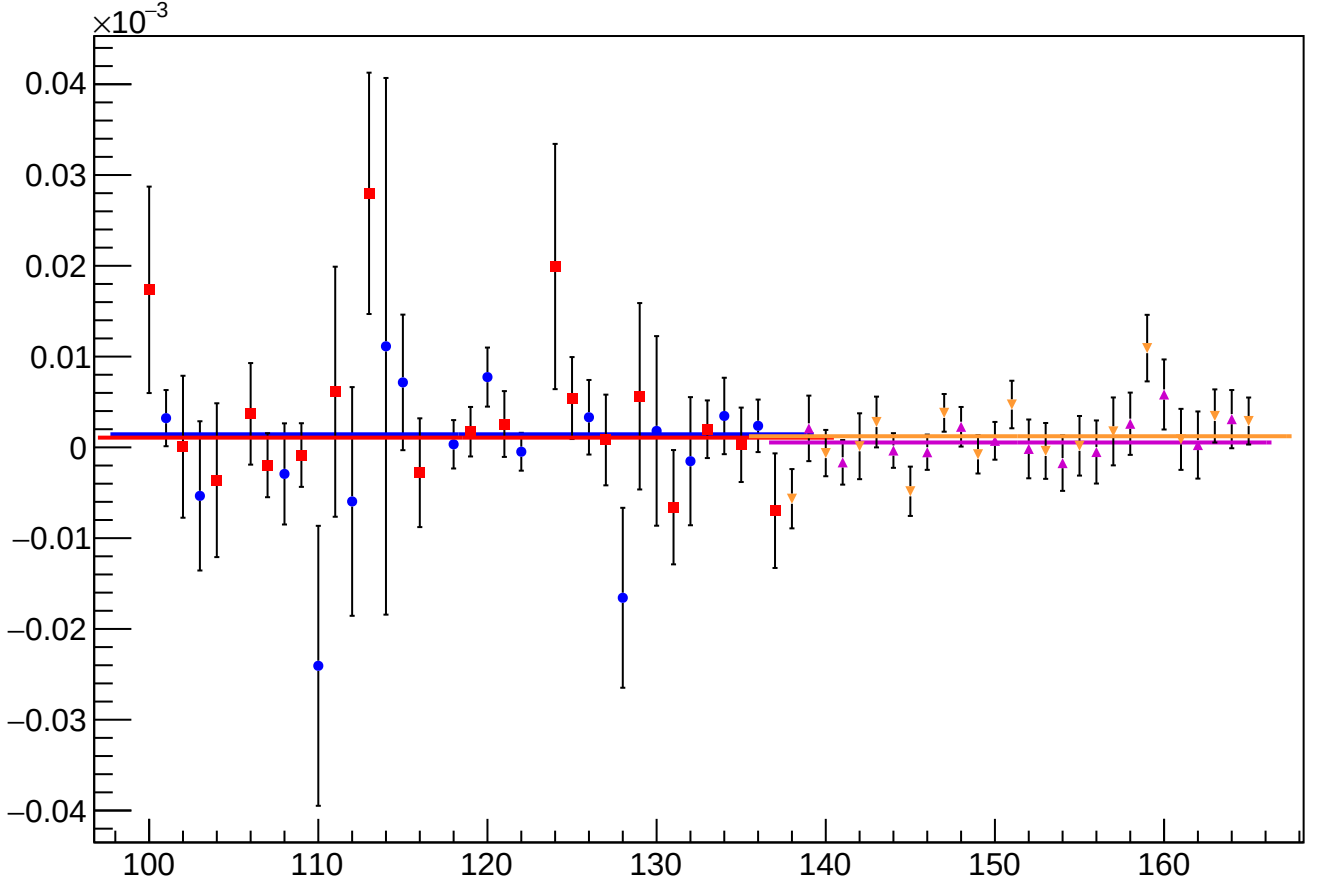
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.916+/-0.009 χ^2/NDF:1674564.1/12

+ sign 44.737+/-0.008 χ^2/NDF: 2723532.9/30

All: 42.985+/-0.005 χ^2/NDF: 6312977.4/62

- sign 41.373+/-0.007 χ^2/NDF: 3491125.3/31



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/14

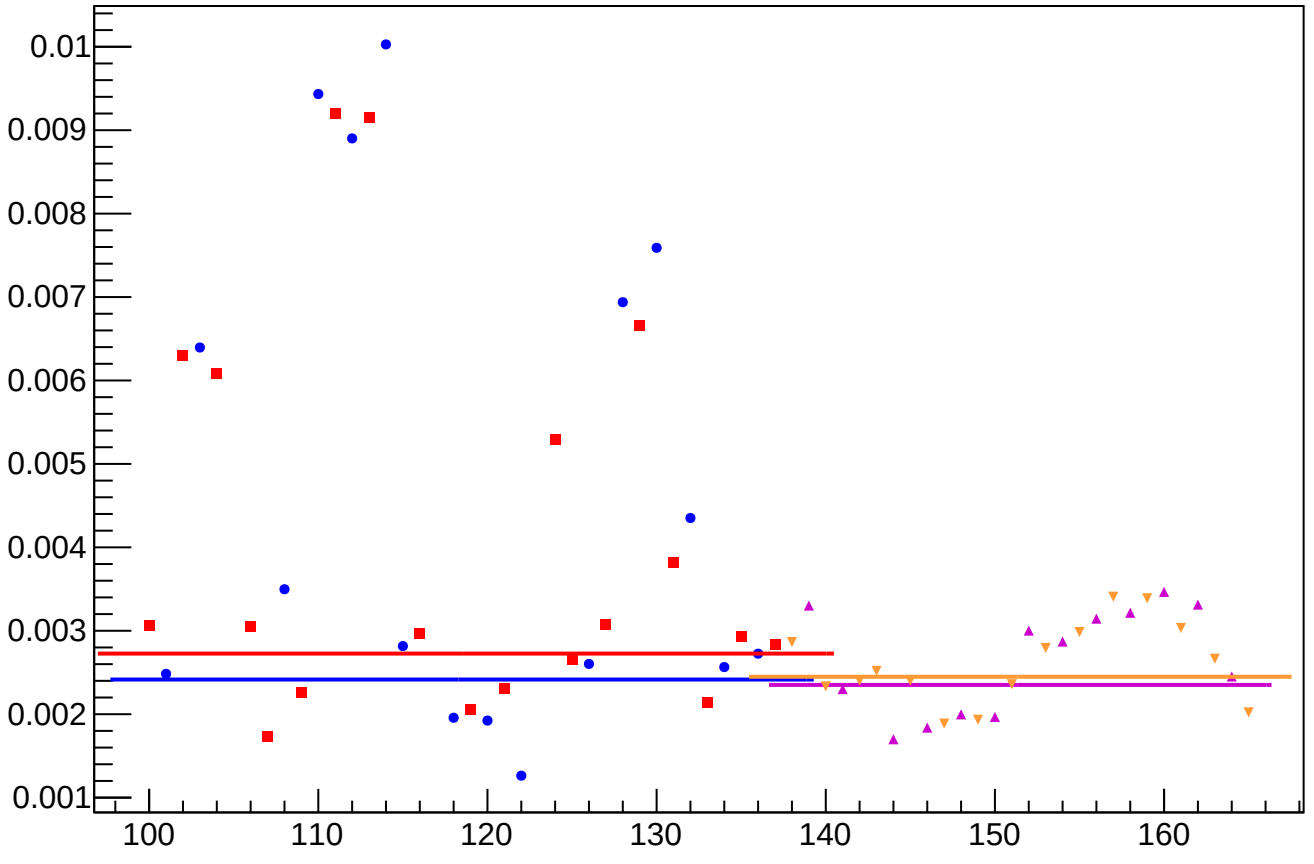
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 37.2/30

All: 0.000+/-0.000 χ^2/NDF: 58.4/62

- sign 0.000+/-0.000 χ^2/NDF: 20.7/31



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:773423.8/14

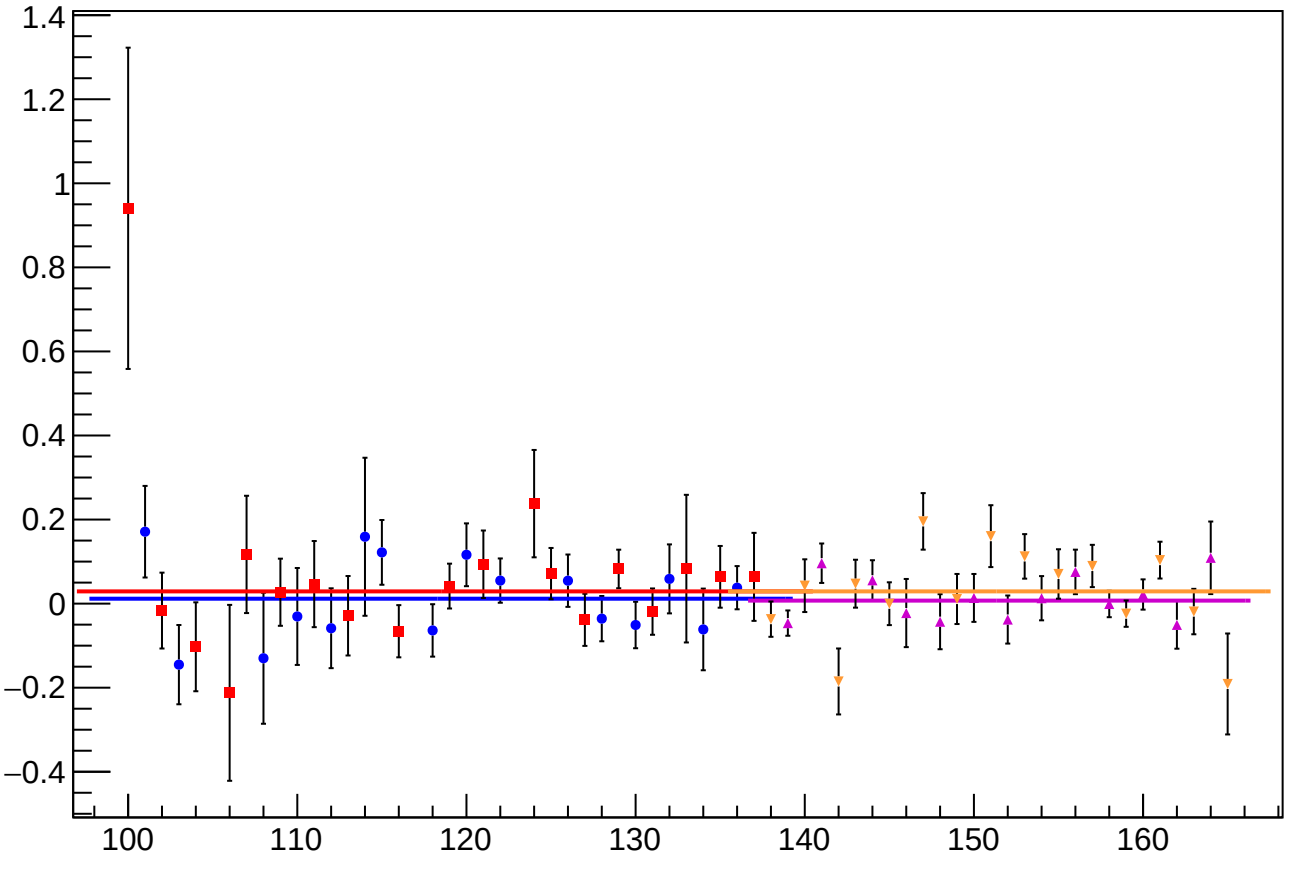
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1306493.2/12

+ sign 0.002+/-0.000 χ^2/NDF: 4206912.0/30

All: 0.002+/-0.000 χ^2/NDF: 8176684.3/62

- sign 0.002+/-0.000 χ^2/NDF: 3967833.9/31



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.029+/-0.014 χ^2/NDF:34.1/14

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

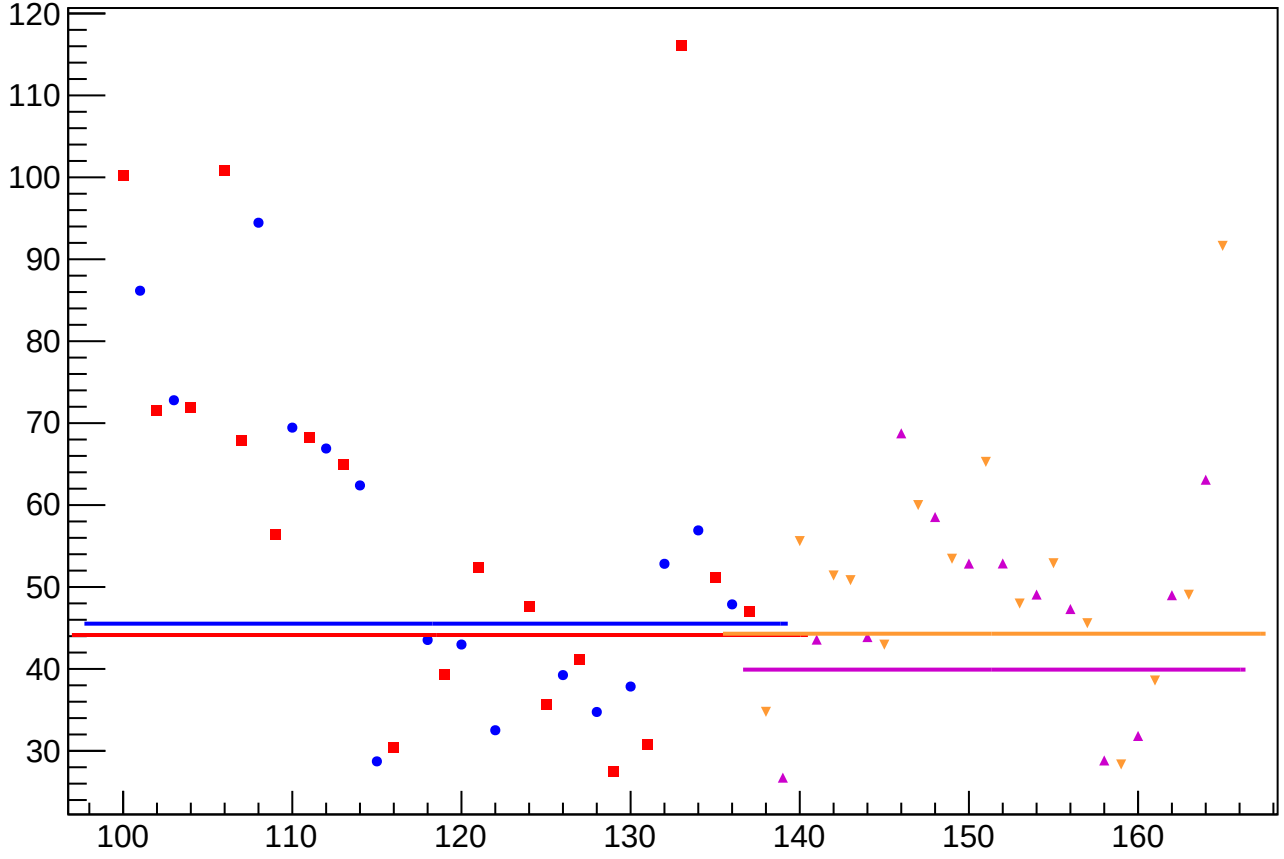
Left In: 0.007+/-0.013 χ^2/NDF:13.5/12

+ sign 0.023+/-0.011 χ^2/NDF: 51.6/30

All: 0.019+/-0.008 χ^2/NDF: 85.9/62

- sign 0.015+/-0.011 χ^2/NDF: 34.0/31

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.300+/-0.010 χ^2/NDF:1463861.2/14

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

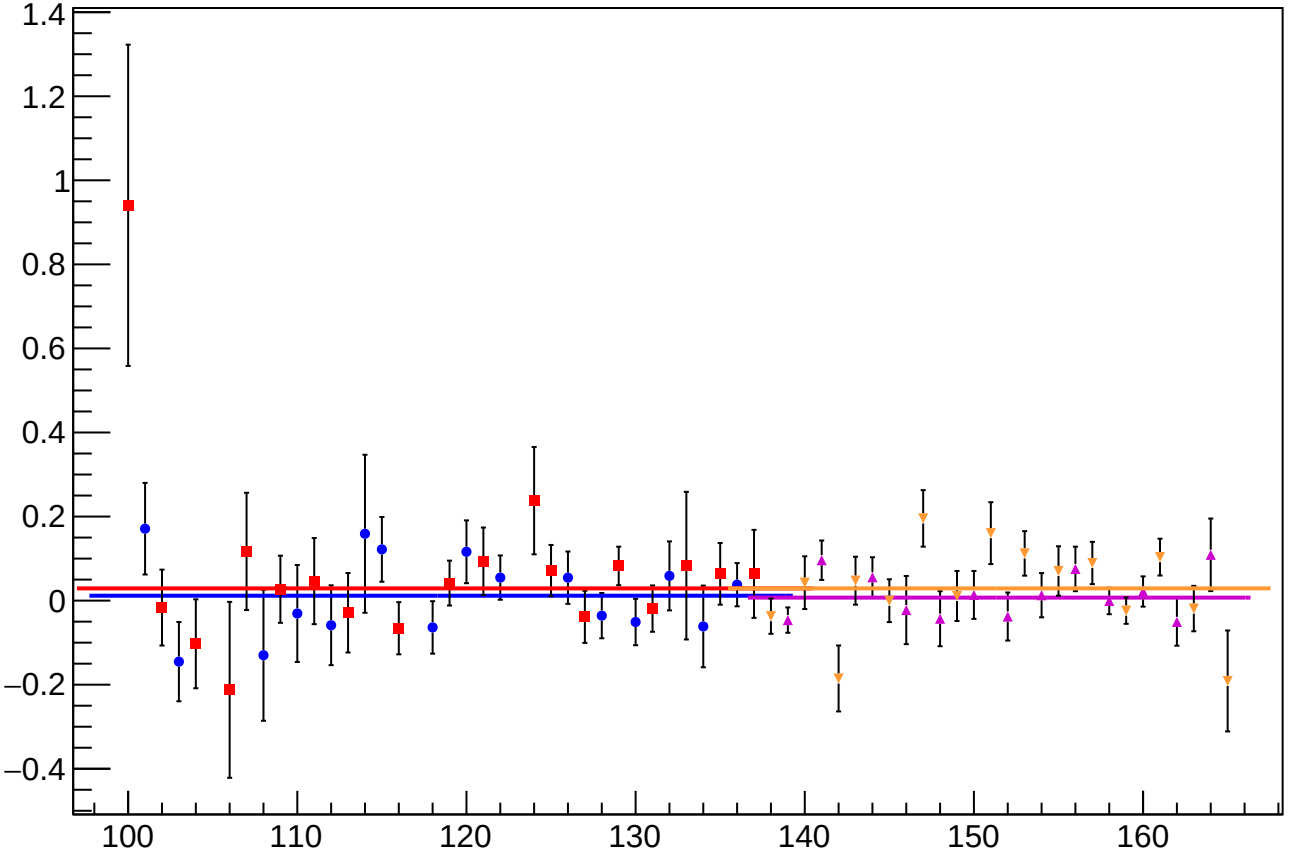
Left In: 39.916+/-0.009 χ^2/NDF:1674623.8/12

+ sign 44.738+/-0.008 χ^2/NDF: 2723532.1/30

All: 42.985+/-0.005 χ^2/NDF: 6312954.7/62

- sign 41.373+/-0.007 χ^2/NDF: 3491110.5/31

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: 0.029+/-0.014 χ^2/NDF:34.1/14

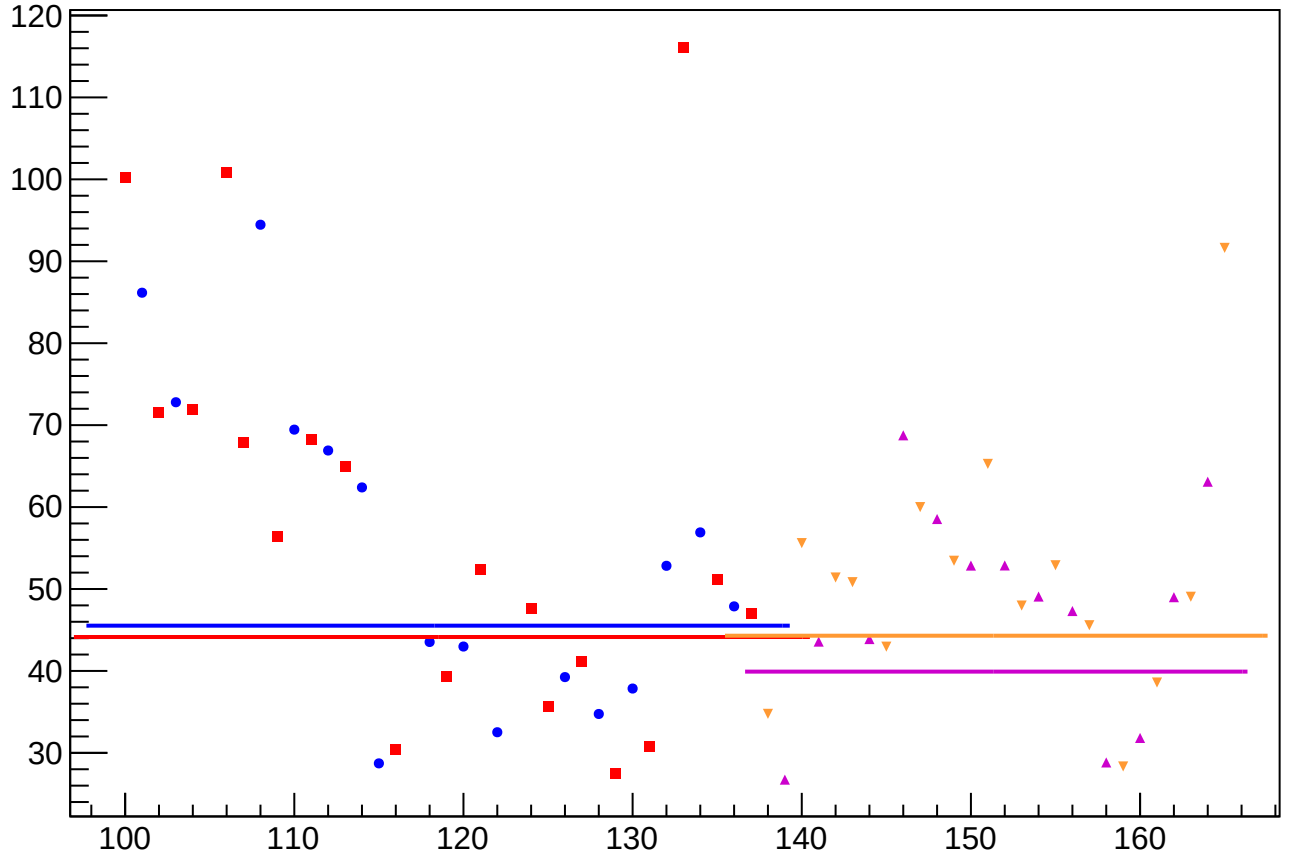
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.007+/-0.013 χ^2/NDF:13.5/12

+ sign 0.023+/-0.011 χ^2/NDF: 51.6/30

All: 0.019+/-0.008 χ^2/NDF: 85.9/62

- sign 0.015+/-0.011 χ^2/NDF: 34.0/31



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.300+/-0.010 χ^2/NDF:1463861.2/14

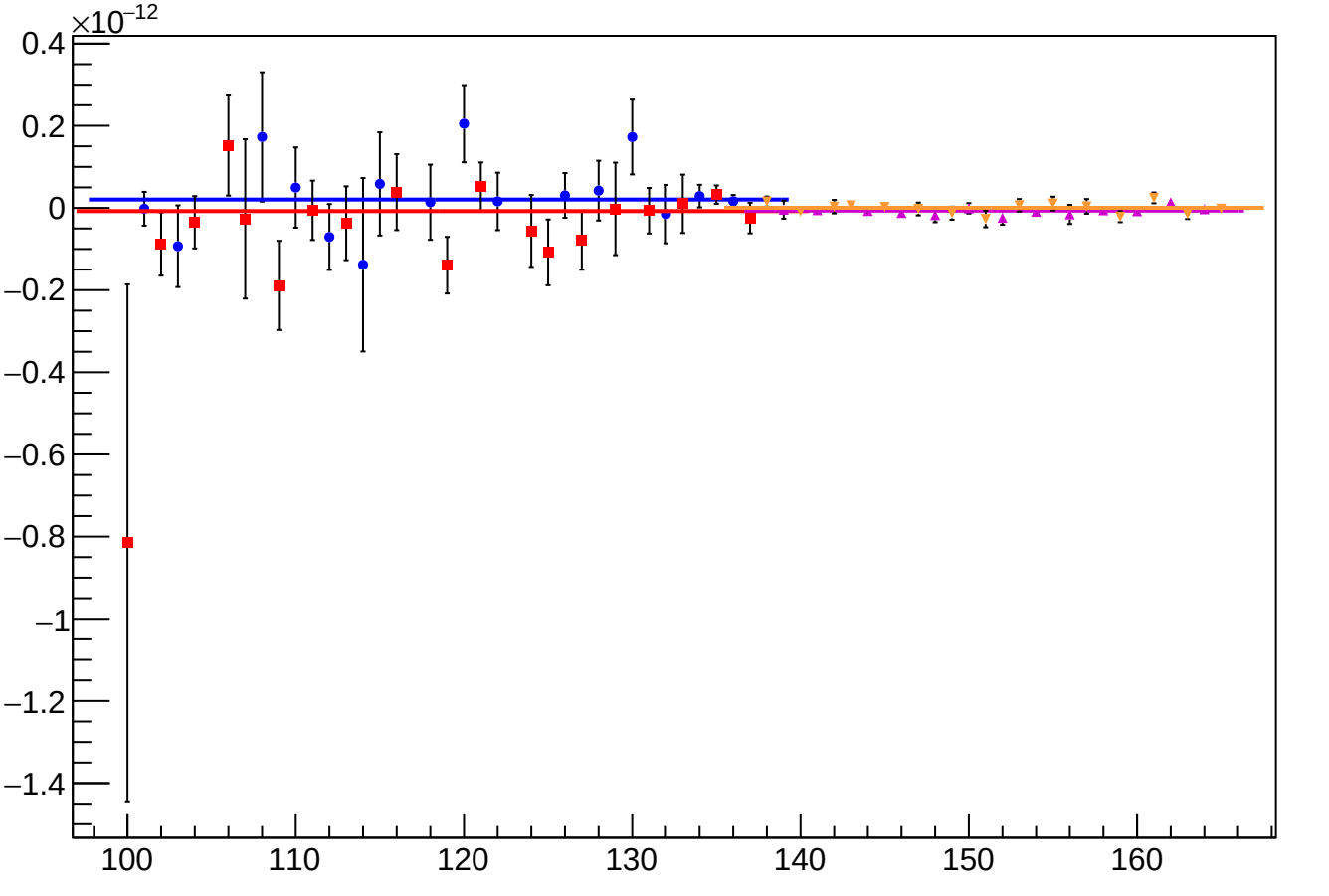
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

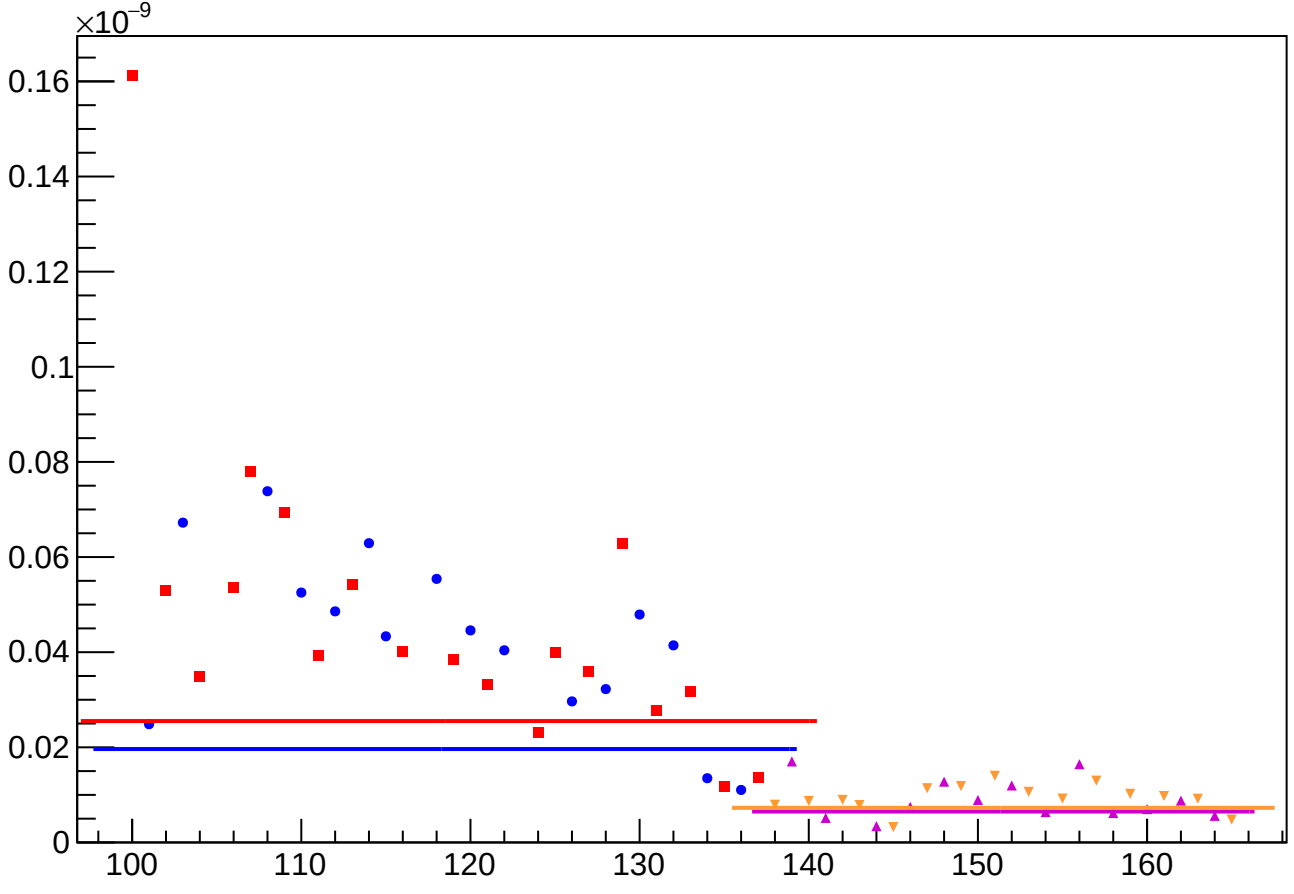
Left In: 39.916+/-0.009 χ^2/NDF:1674623.8/12

+ sign 44.738+/-0.008 χ^2/NDF: 2723532.1/30

All: 42.985+/-0.005 χ^2/NDF: 6312954.7/62

- sign 41.373+/-0.007 χ^2/NDF: 3491110.5/31


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:13.3/14
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/18
Left In: -0.000+/-0.000 χ²/NDF:5.2/12
+ sign 0.000+/-0.000 χ²/NDF: 28.1/30
All: -0.000+/-0.000 χ²/NDF: 56.1/62
- sign -0.000+/-0.000 χ²/NDF: 24.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2337693.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

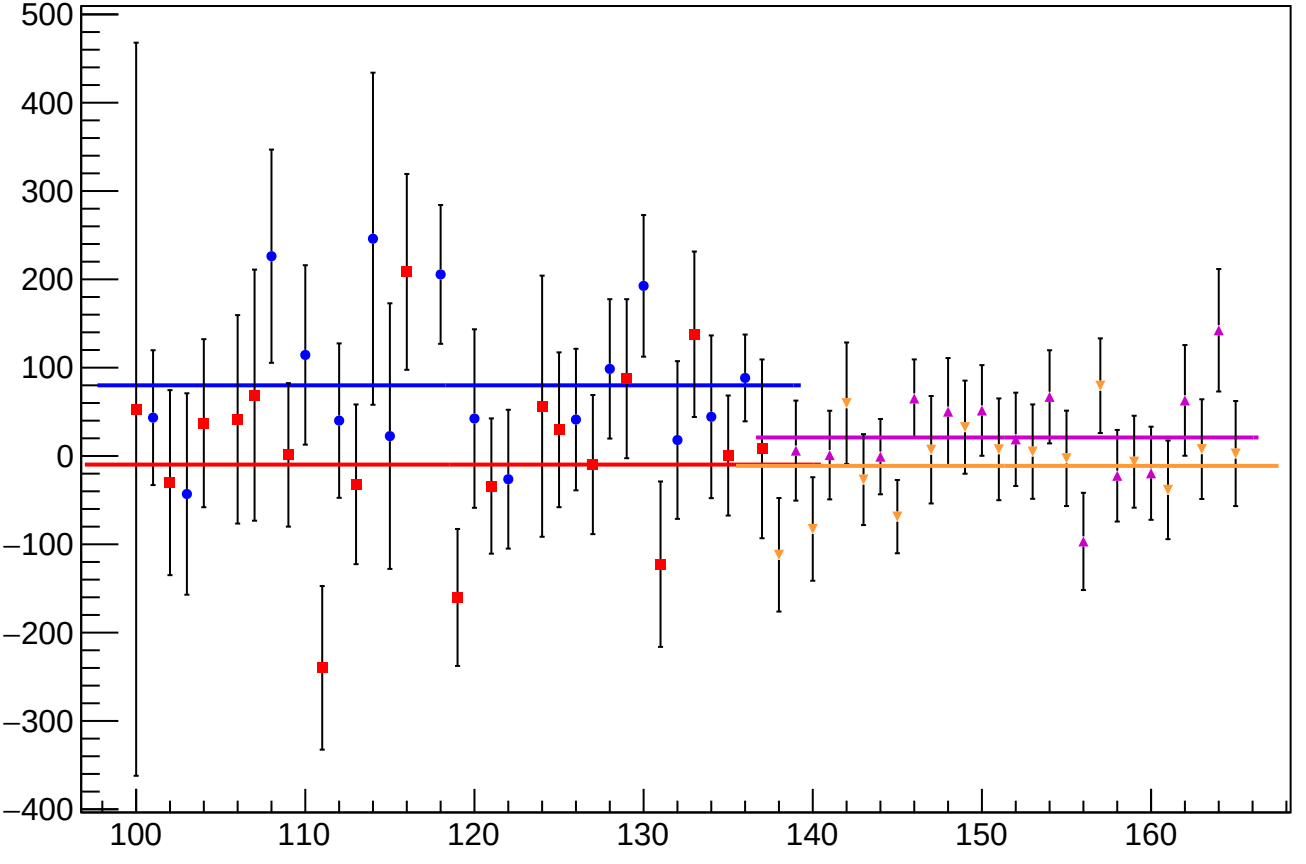
Left In: 0.000+/-0.000 χ^2/NDF:2097867.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 7859409.8/30

All: 0.000+/-0.000 χ^2/NDF: 16416895.9/62

- sign 0.000+/-0.000 χ^2/NDF: 8487239.0/31

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.208+/-14.197 χ^2/NDF:11.3/14

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

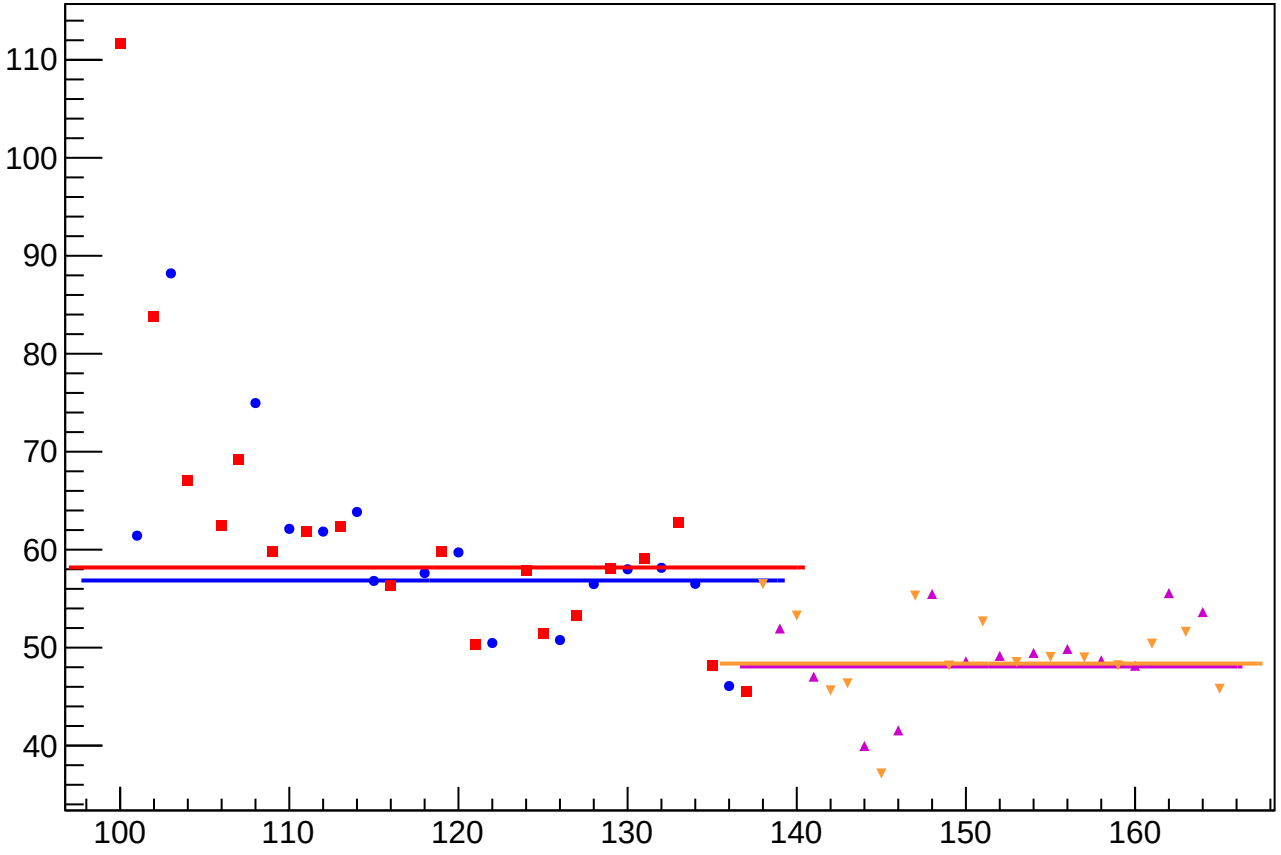
Left In: 20.932+/-14.643 χ^2/NDF:12.2/12

+ sign 16.529+/-11.843 χ^2/NDF: 35.4/30

All: 13.970+/-8.472 χ^2/NDF: 69.4/62

- sign 11.288+/-12.124 χ^2/NDF: 33.9/31

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.373+/-0.010 χ^2/NDF:249058.0/14

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

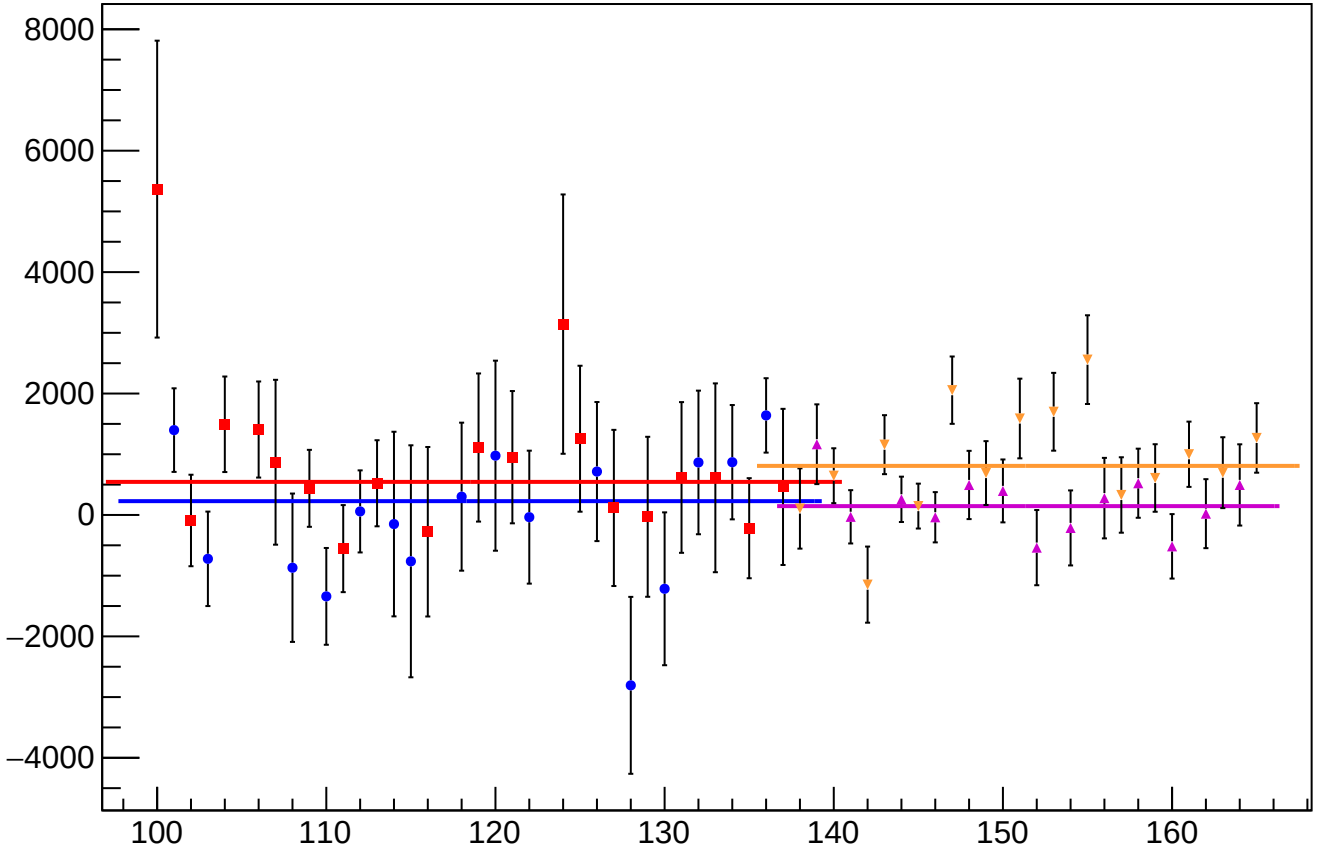
Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

+ sign 50.952+/-0.008 χ^2/NDF: 807760.5/30

All: 51.101+/-0.006 χ^2/NDF: 1624695.8/62

- sign 51.257+/-0.009 χ^2/NDF: 816289.7/31

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 808.427+/-141.358 χ^2/NDF:30.4/14

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

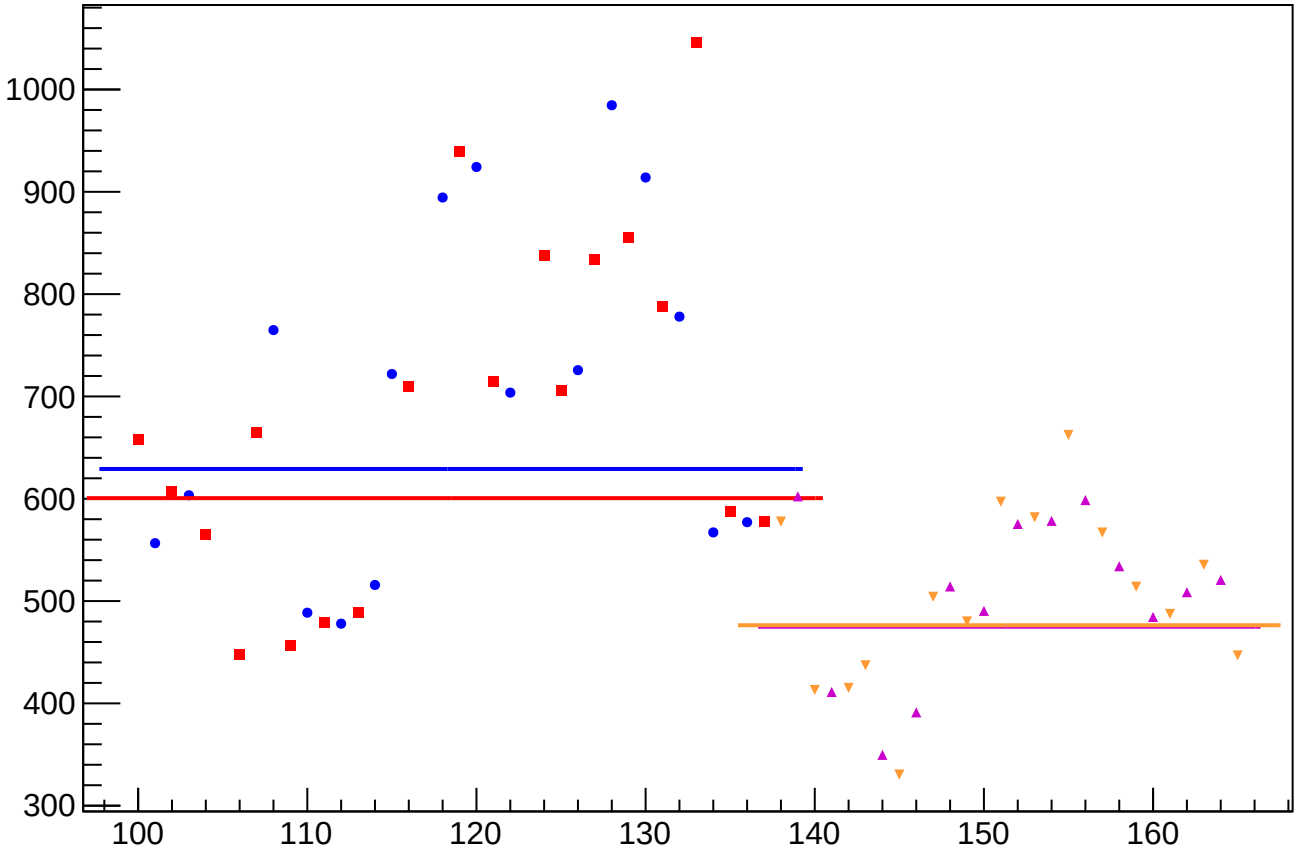
Left In: 145.567+/-146.069 χ^2/NDF:7.4/12

+ sign 659.935+/-121.960 χ^2/NDF: 56.4/30

All: 462.594+/-86.560 χ^2/NDF: 84.6/62

- sign 262.284+/-122.874 χ^2/NDF: 22.9/31

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 476.379+/-0.100 χ^2/NDF:764684.1/14

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

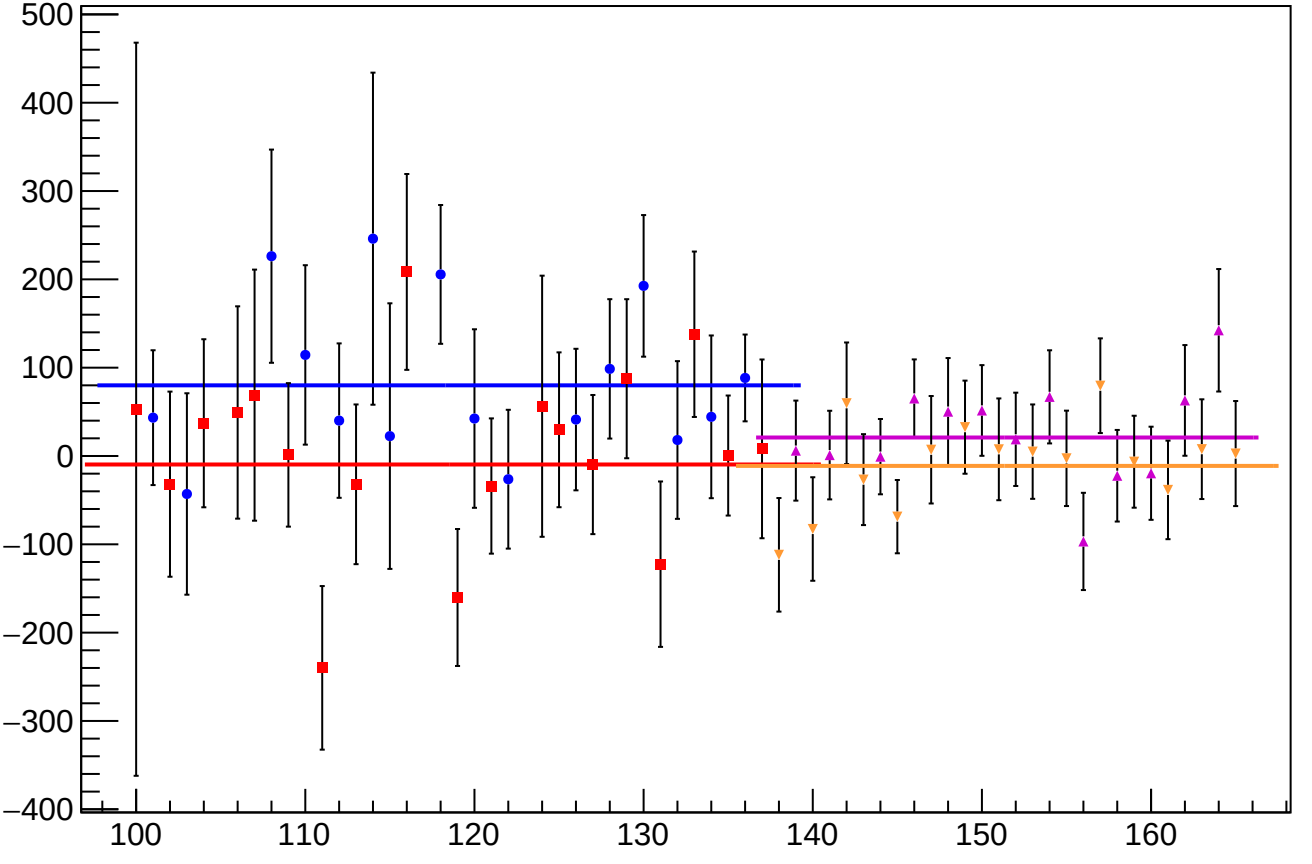
Left In: 474.872+/-0.103 χ^2/NDF:652757.7/12

+ sign 515.416+/-0.086 χ^2/NDF: 2054105.9/30

All: 513.537+/-0.061 χ^2/NDF: 4015615.9/62

- sign 511.630+/-0.087 χ^2/NDF: 1960553.3/31

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.211+/-14.197 χ^2/NDF:11.3/14

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

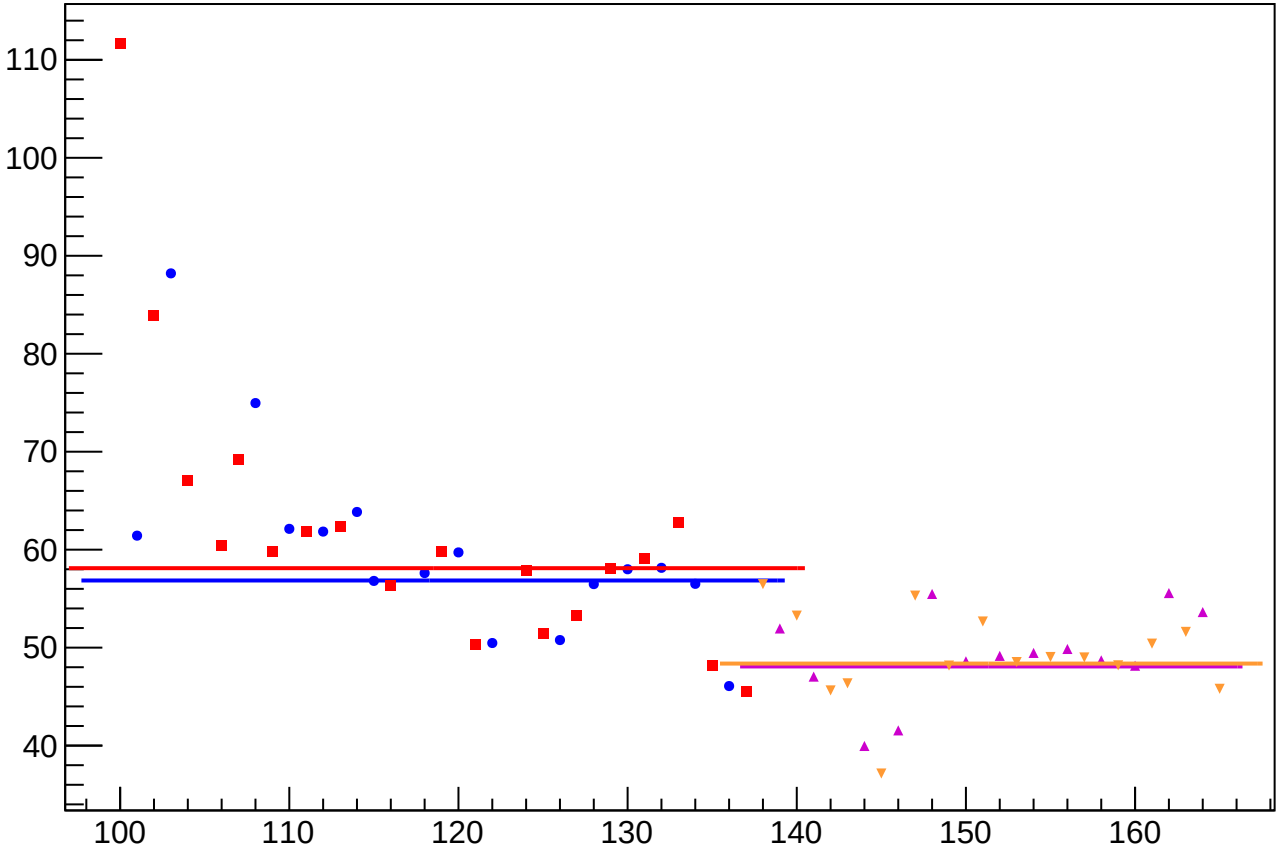
Left In: 20.933+/-14.643 χ^2/NDF:12.2/12

+ sign 16.529+/-11.843 χ^2/NDF: 35.4/30

All: 13.992+/-8.472 χ^2/NDF: 69.5/62

- sign 11.332+/-12.126 χ^2/NDF: 34.0/31

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.373+/-0.010 χ^2/NDF:249058.0/14

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

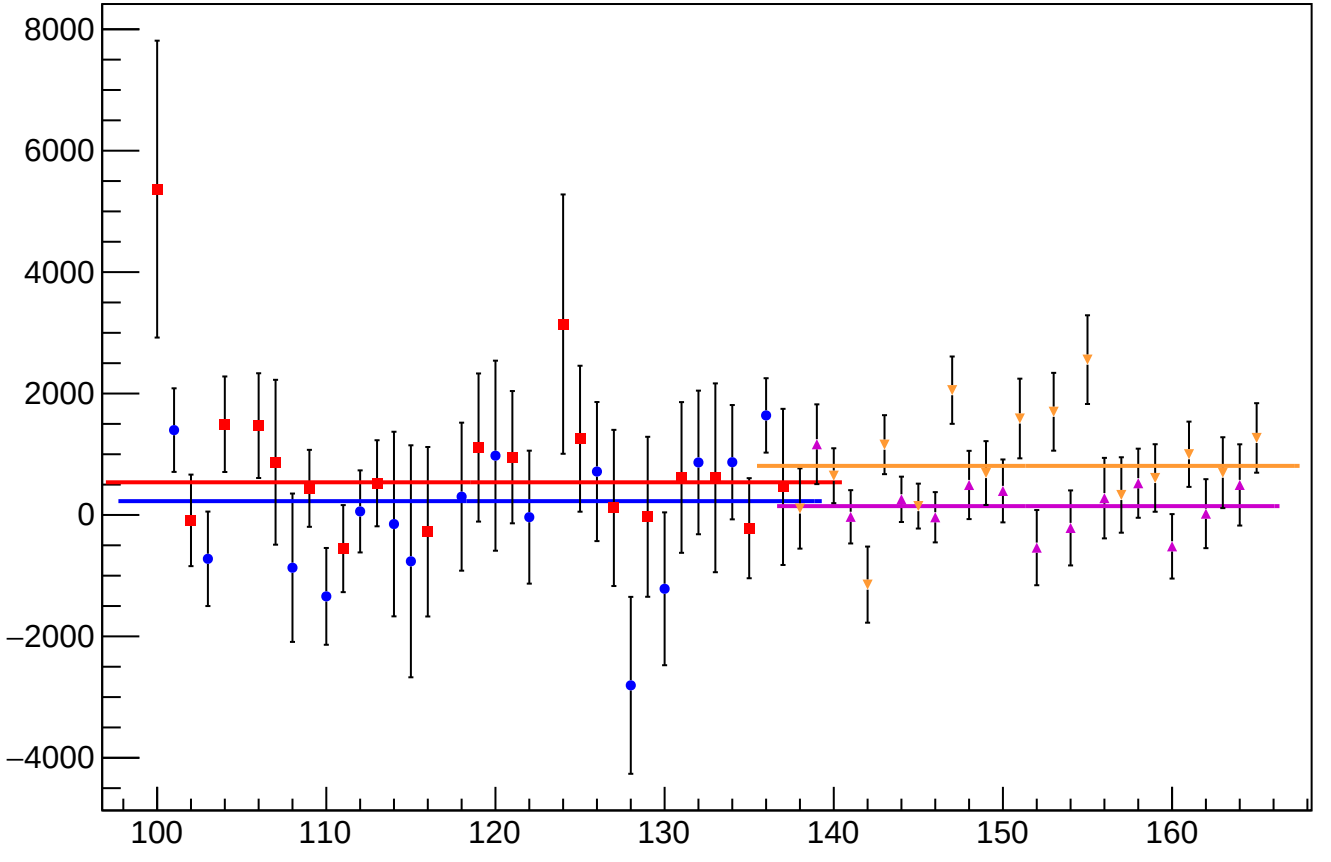
Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

+ sign 50.952+/-0.008 χ^2/NDF: 807764.5/30

All: 51.089+/-0.006 χ^2/NDF: 1618444.6/62

- sign 51.232+/-0.009 χ^2/NDF: 810136.1/31

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 808.426+/-141.358 χ^2/NDF:30.4/14

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

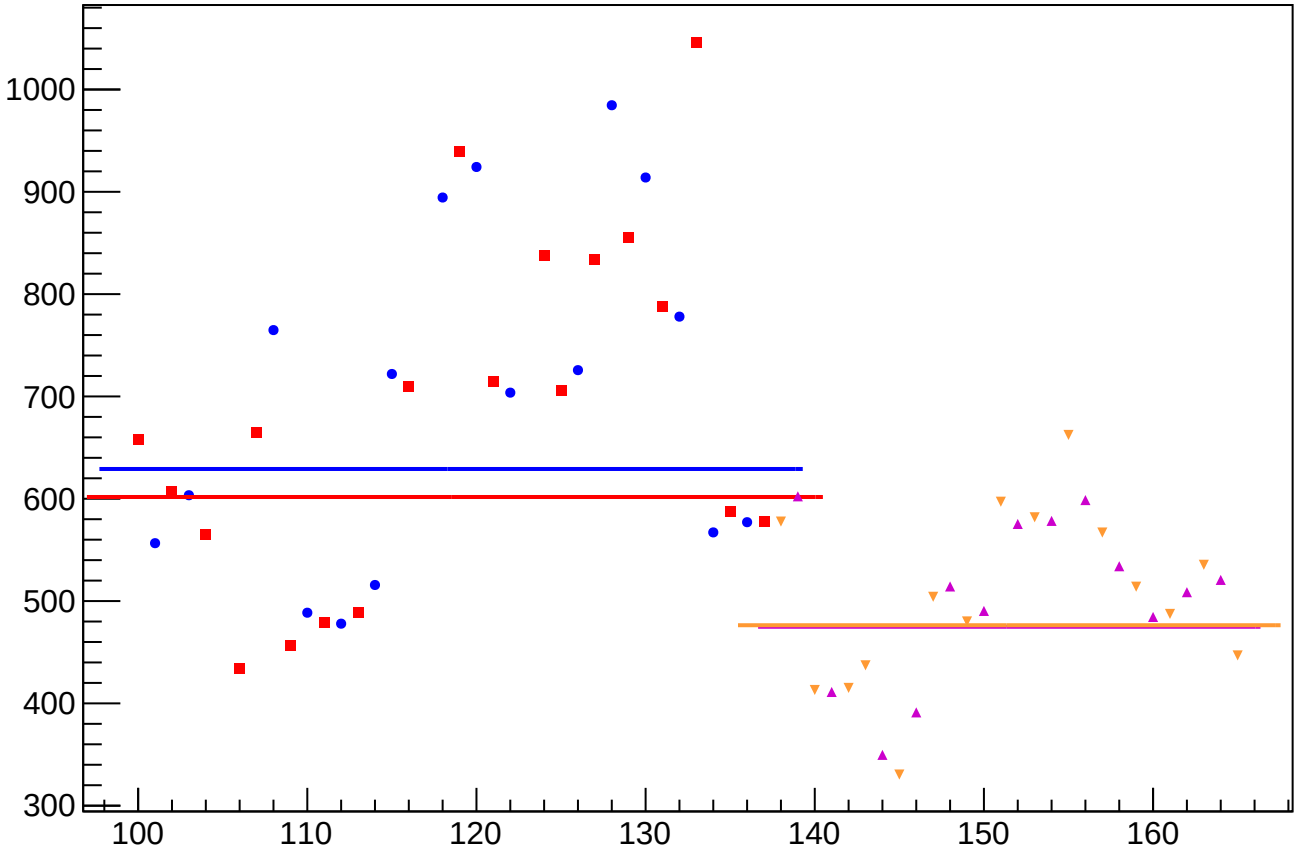
Left In: 145.570+/-146.069 χ^2/NDF:7.4/12

+ sign 659.945+/-121.960 χ^2/NDF: 56.4/30

All: 461.488+/-86.643 χ^2/NDF: 84.6/62

- sign 259.267+/-123.111 χ^2/NDF: 22.8/31

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 476.379+/-0.100 χ^2/NDF:764685.4/14

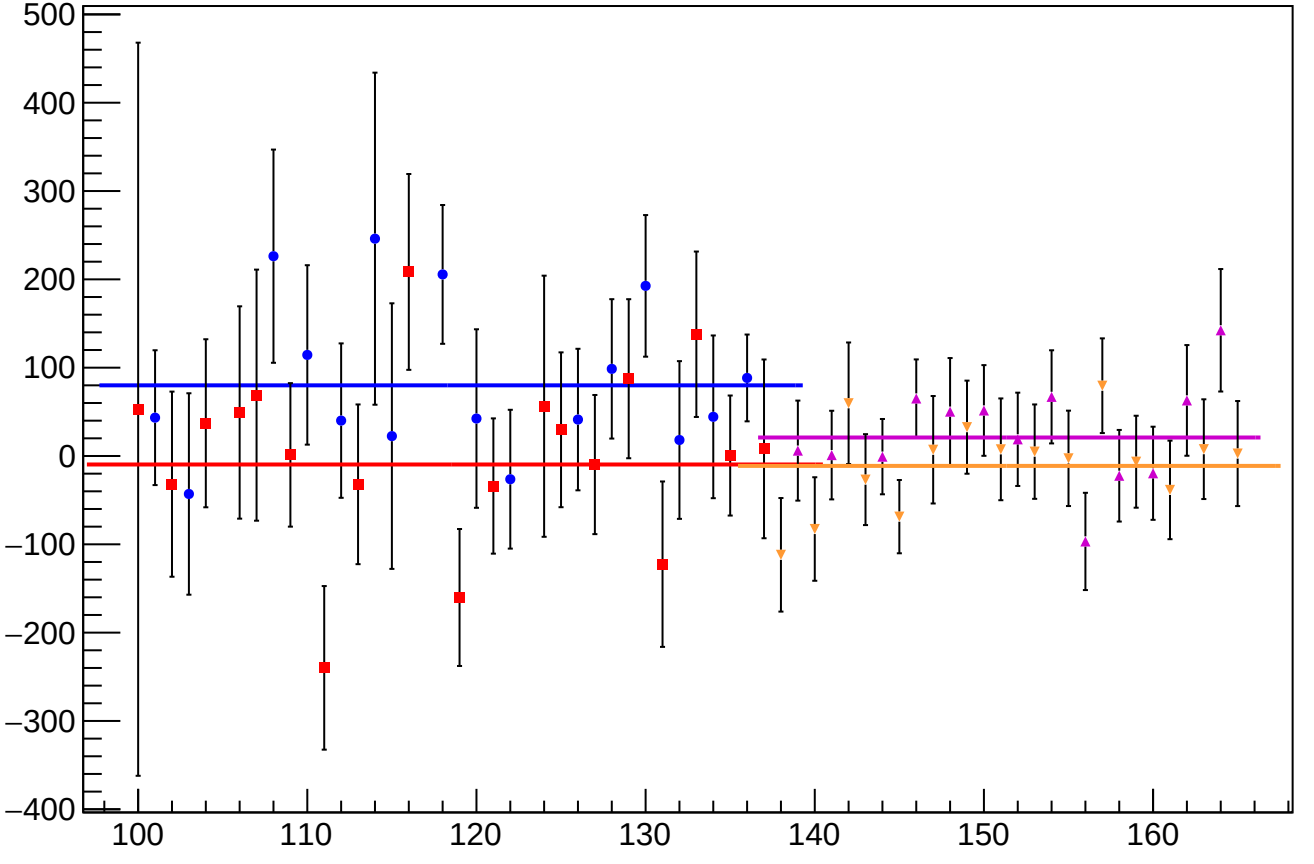
Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 474.872+/-0.103 χ^2/NDF:652756.1/12

\+ sign 515.417+/-0.086 χ^2/NDF: 2054130.8/30

All: 513.533+/-0.061 χ^2/NDF: 4018751.6/62

\- sign 511.613+/-0.087 χ^2/NDF: 1963656.9/31



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.211+/-14.197 χ^2/NDF:11.3/14

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

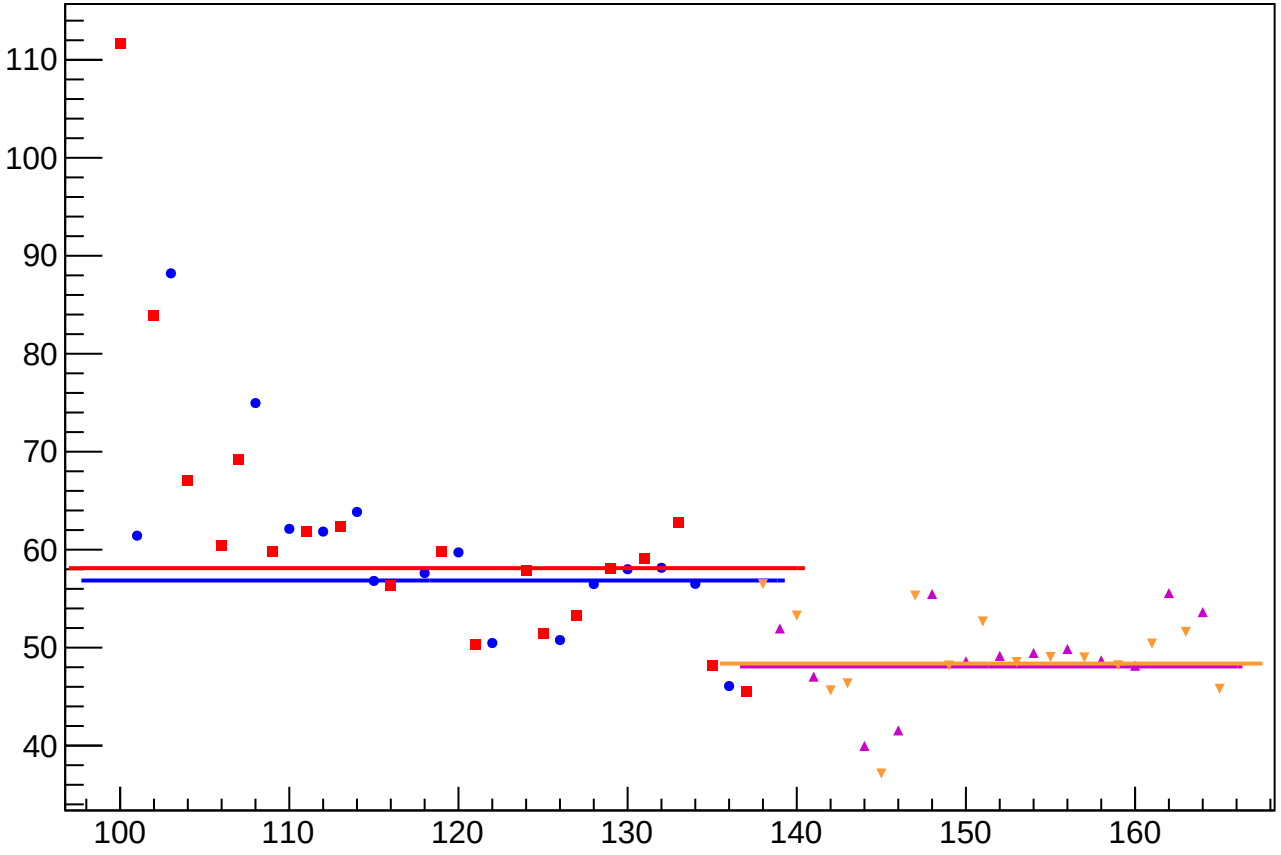
Left In: 20.933+/-14.643 χ^2/NDF:12.2/12

+ sign 16.529+/-11.843 χ^2/NDF: 35.4/30

All: 13.992+/-8.472 χ^2/NDF: 69.5/62

- sign 11.332+/-12.126 χ^2/NDF: 34.0/31

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.373+/-0.010 χ^2/NDF:249058.0/14

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

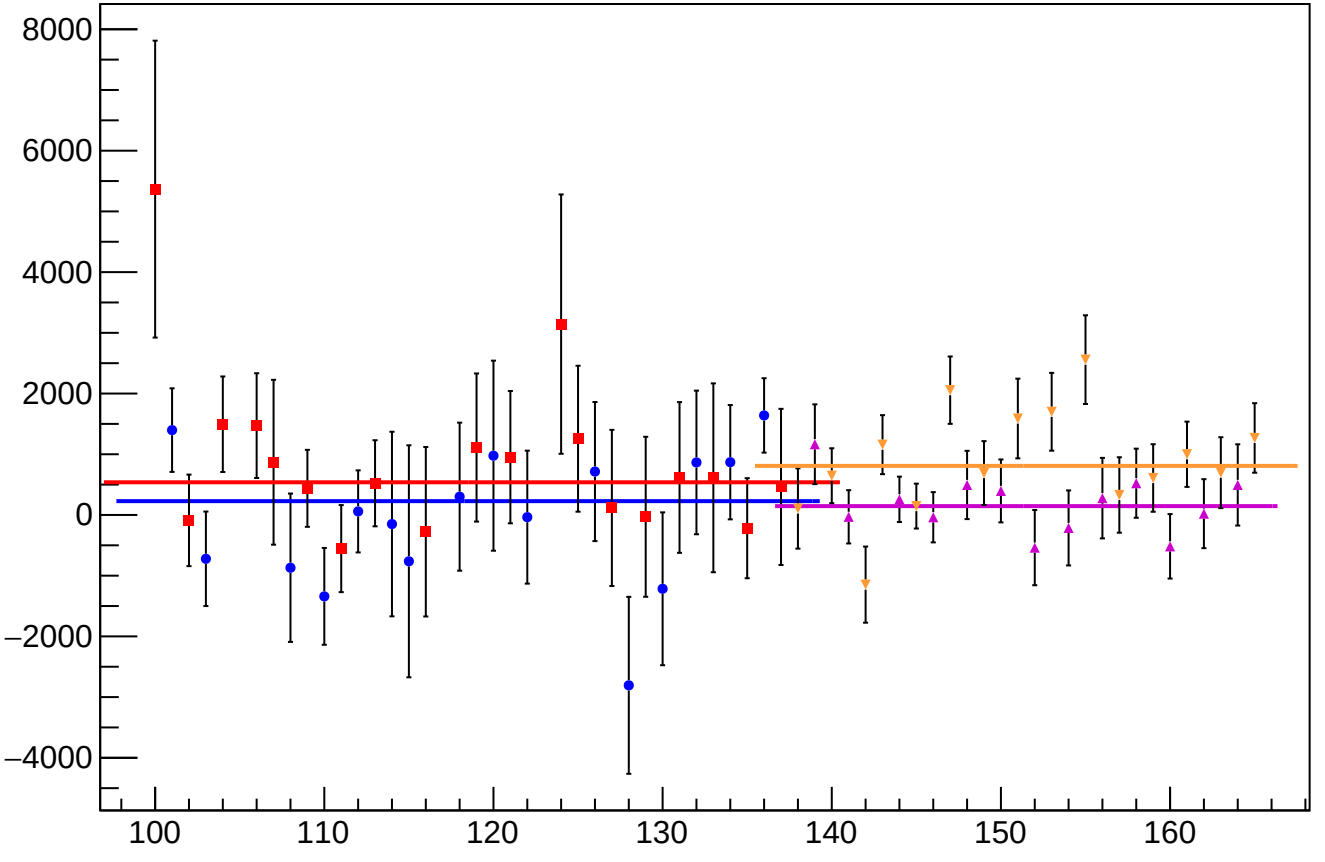
Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

+ sign 50.952+/-0.008 χ^2/NDF: 807764.5/30

All: 51.089+/-0.006 χ^2/NDF: 1618444.6/62

- sign 51.232+/-0.009 χ^2/NDF: 810136.1/31

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 808.426+/-141.358 χ^2/NDF:30.4/14

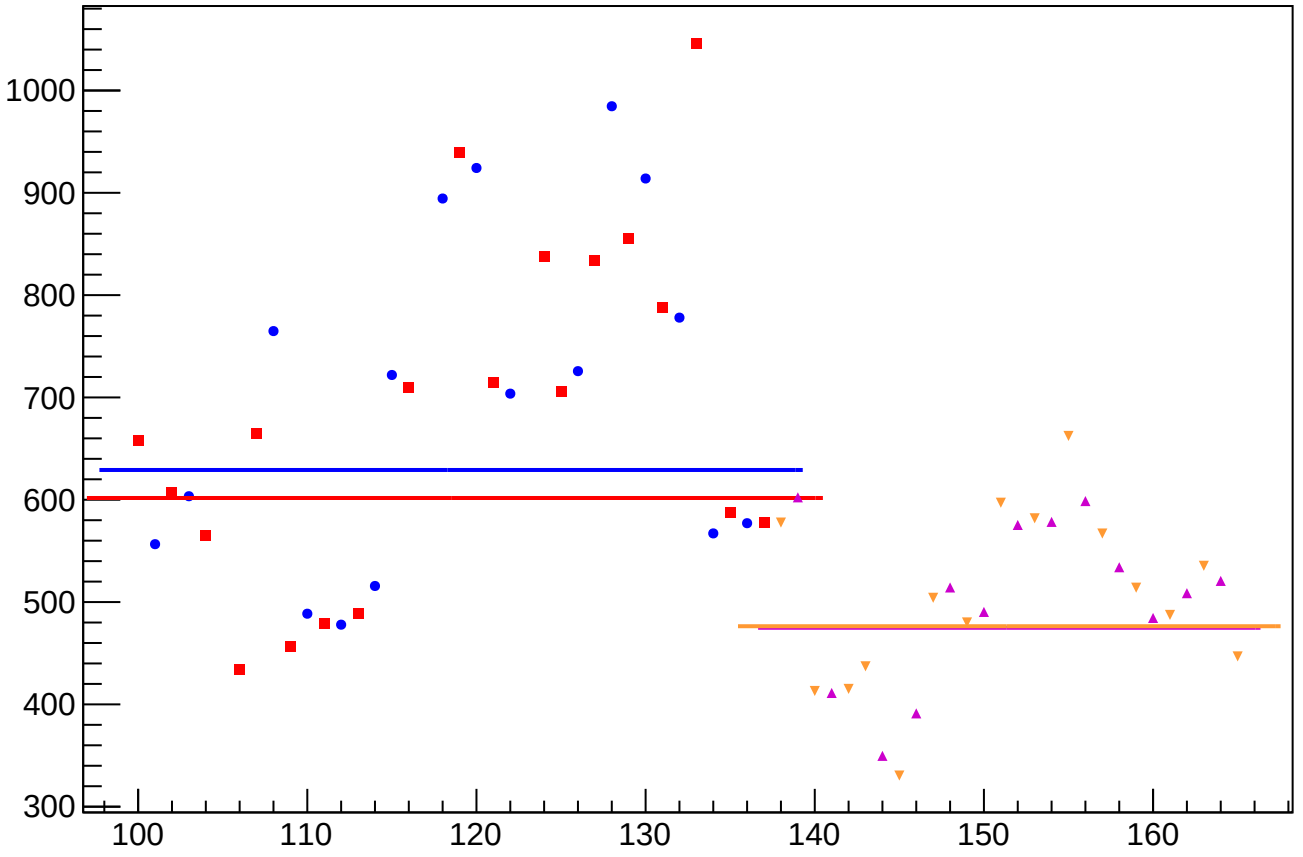
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 145.570+/-146.069 χ^2/NDF:7.4/12

+ sign 659.945+/-121.960 χ^2/NDF: 56.4/30

All: 461.488+/-86.643 χ^2/NDF: 84.6/62

- sign 259.267+/-123.111 χ^2/NDF: 22.8/31



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 476.379+/-0.100 χ^2/NDF:764685.4/14

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

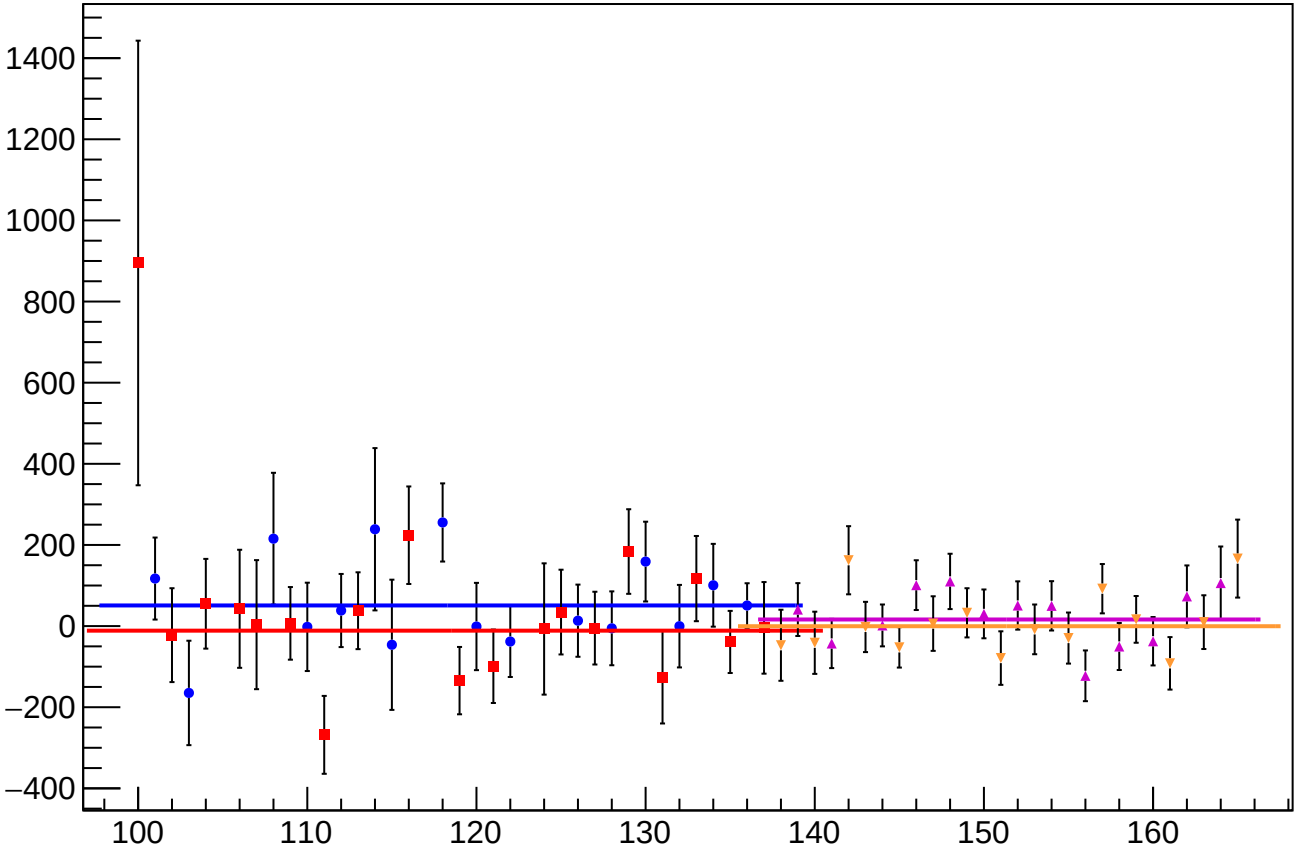
Left In: 474.872+/-0.103 χ^2/NDF:652756.1/12

+ sign 515.417+/-0.086 χ^2/NDF: 2054130.8/30

All: 513.533+/-0.061 χ^2/NDF: 4018751.6/62

- sign 511.613+/-0.087 χ^2/NDF: 1963656.9/31

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -0.323+/-16.916 χ^2/NDF:14.8/14

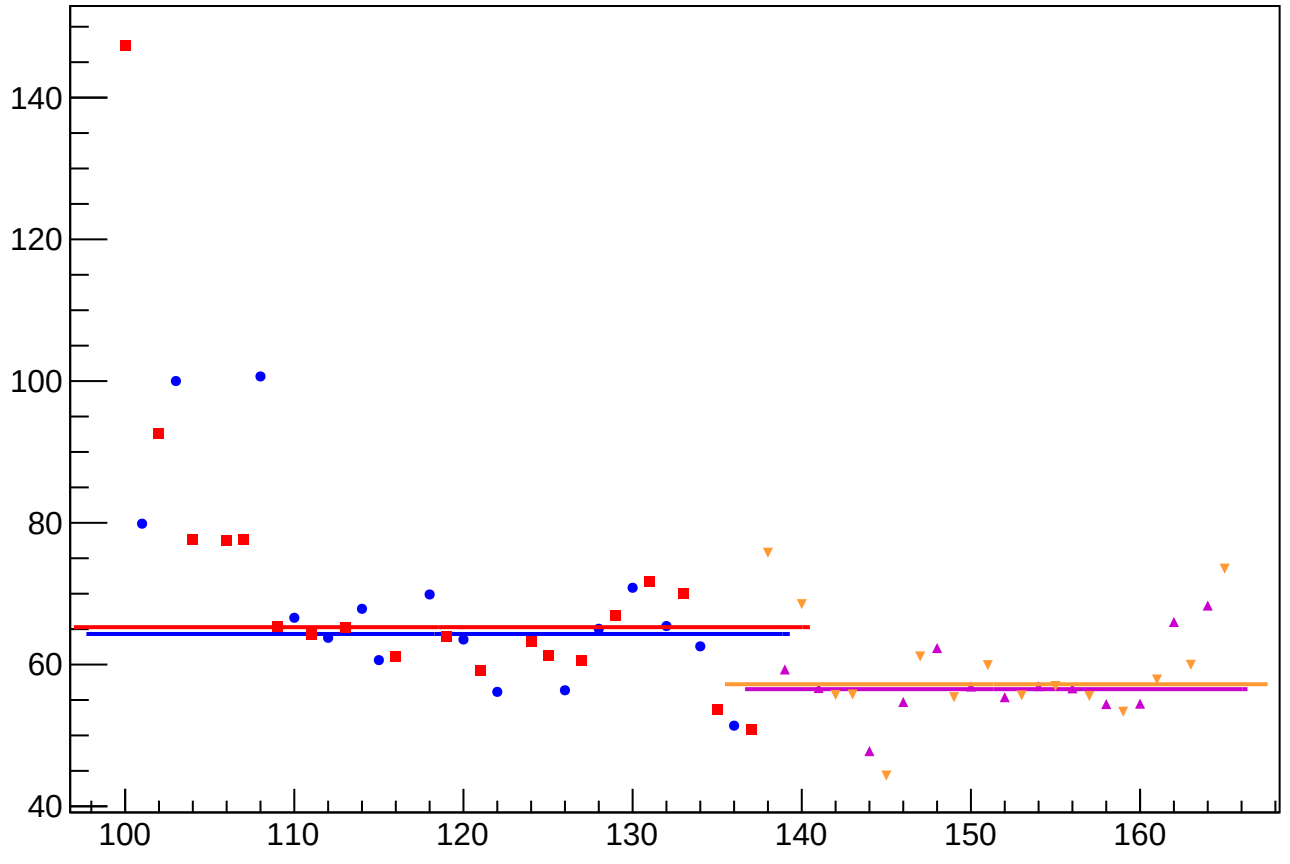
Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 16.267+/-17.350 χ^2/NDF:14.3/12

+ sign 16.208+/-13.919 χ^2/NDF: 31.6/30

All: 11.664+/-9.914 χ^2/NDF: 70.9/62

- sign 6.984+/-14.125 χ^2/NDF: 39.1/31



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 57.221+/-0.012 χ^2/NDF:353834.8/14

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

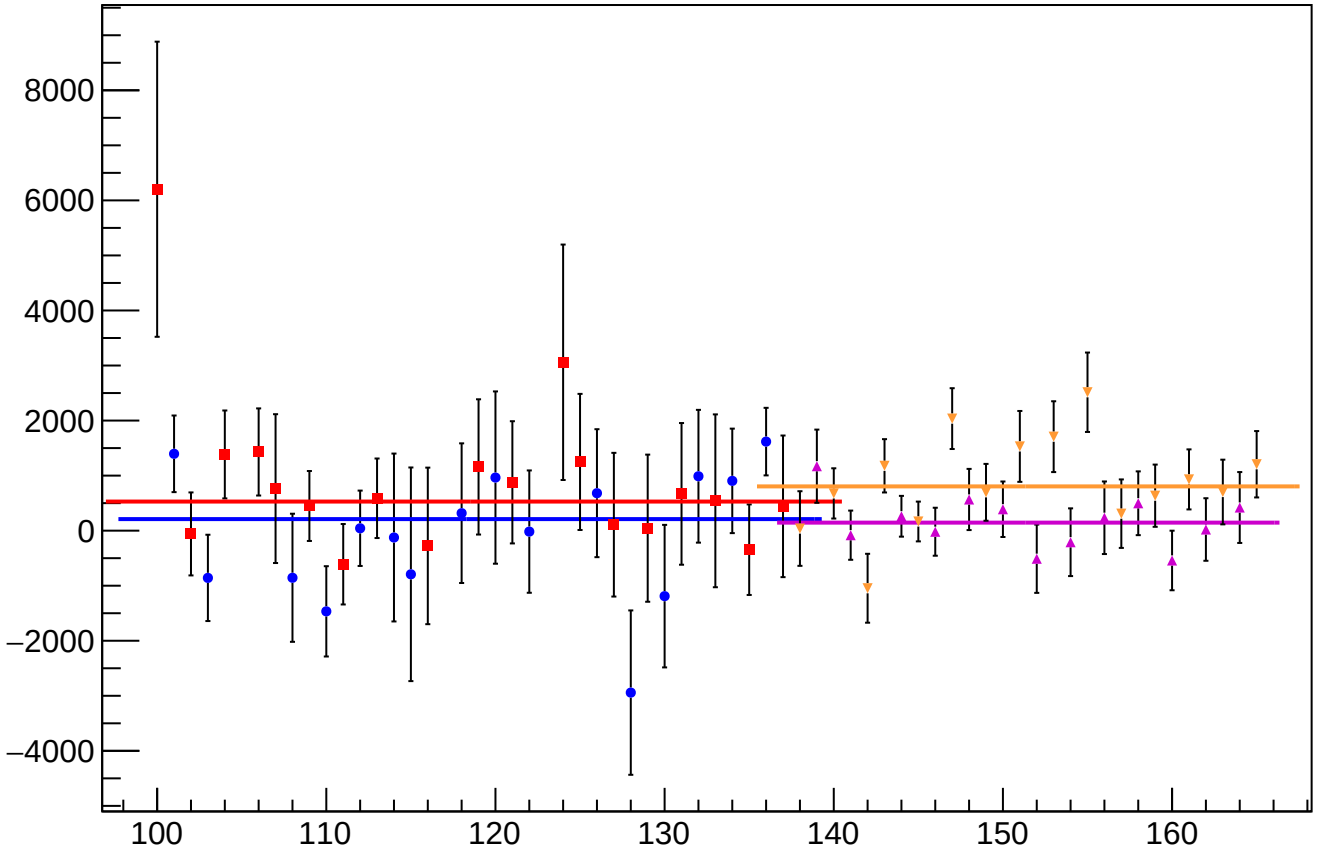
Left In: 56.529+/-0.012 χ^2/NDF:148284.5/12

+ sign 59.513+/-0.010 χ^2/NDF: 932430.9/30

All: 59.496+/-0.007 χ^2/NDF: 1571323.4/62

- sign 59.479+/-0.010 χ^2/NDF: 638886.7/31

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 804.049+/-141.487 χ^2/NDF:28.9/14

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

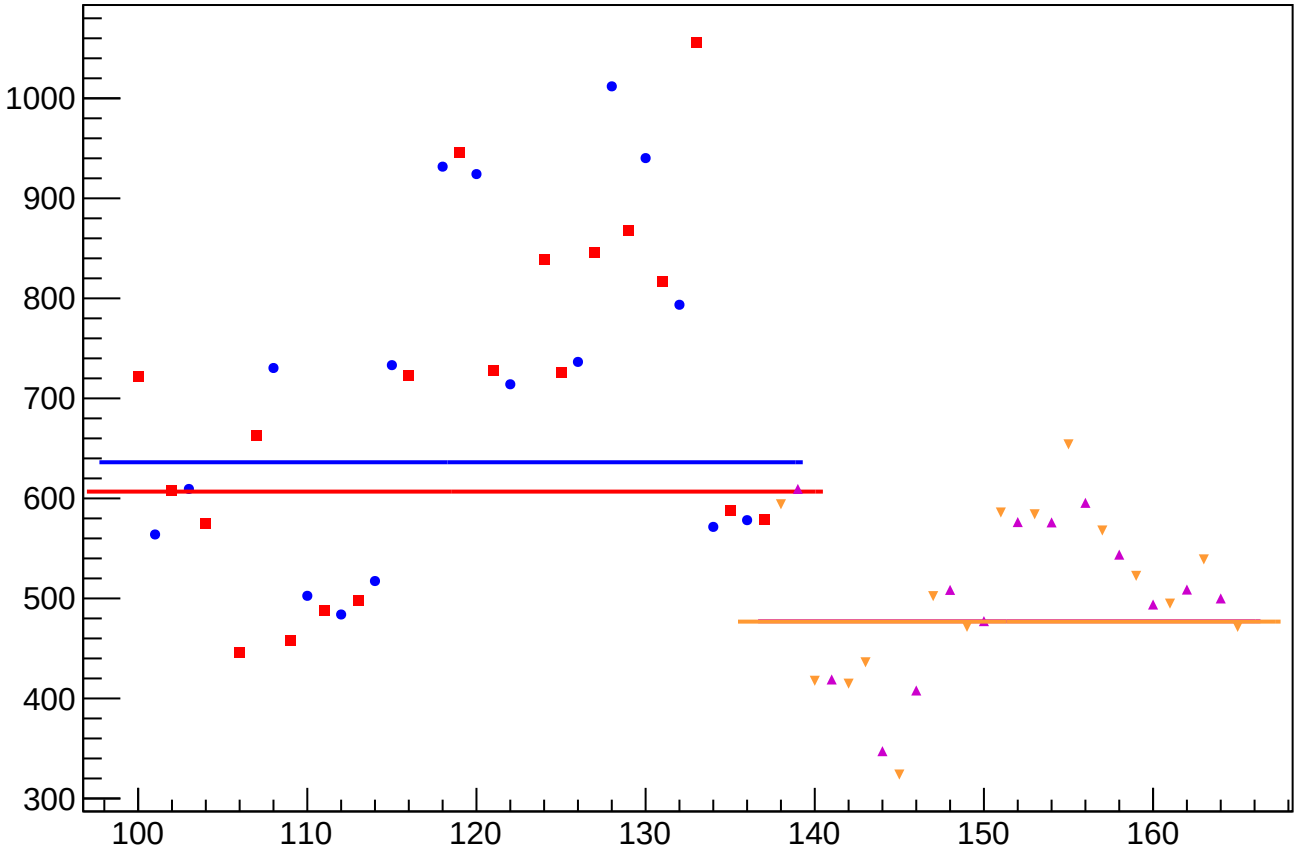
Left In: 145.854+/-146.744 χ^2/NDF:7.4/12

+ sign 654.385+/-122.372 χ^2/NDF: 55.8/30

All: 457.684+/-86.982 χ^2/NDF: 84.2/62

- sign 256.824+/-123.659 χ^2/NDF: 23.2/31

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 476.821+/-0.100 χ^2/NDF:804050.1/14

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

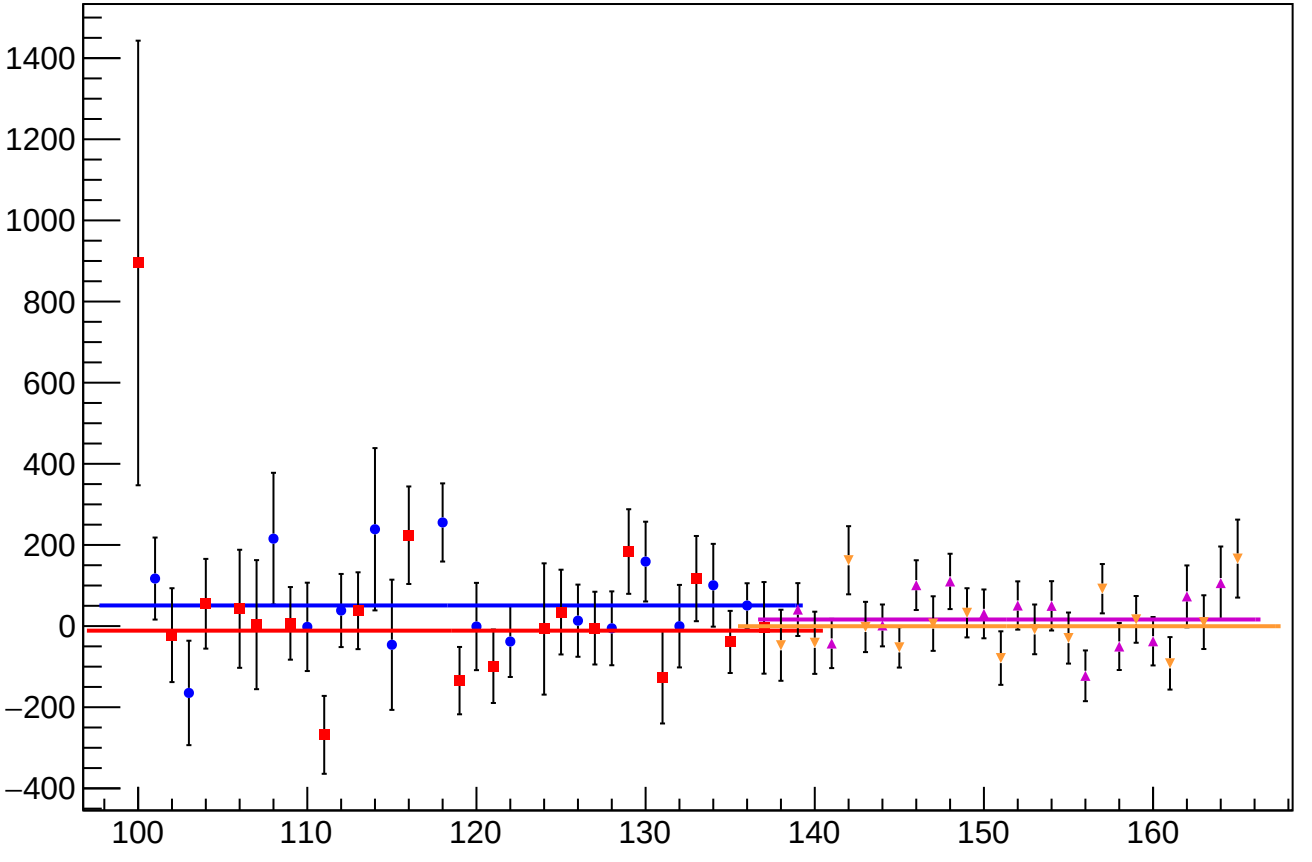
Left In: 477.181+/-0.104 χ^2/NDF:620002.7/12

+ sign 516.962+/-0.087 χ^2/NDF: 2148232.8/30

All: 515.870+/-0.062 χ^2/NDF: 4114788.6/62

- sign 514.755+/-0.087 χ^2/NDF: 1966234.2/31

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -0.324+/-16.916 χ^2/NDF:14.8/14

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

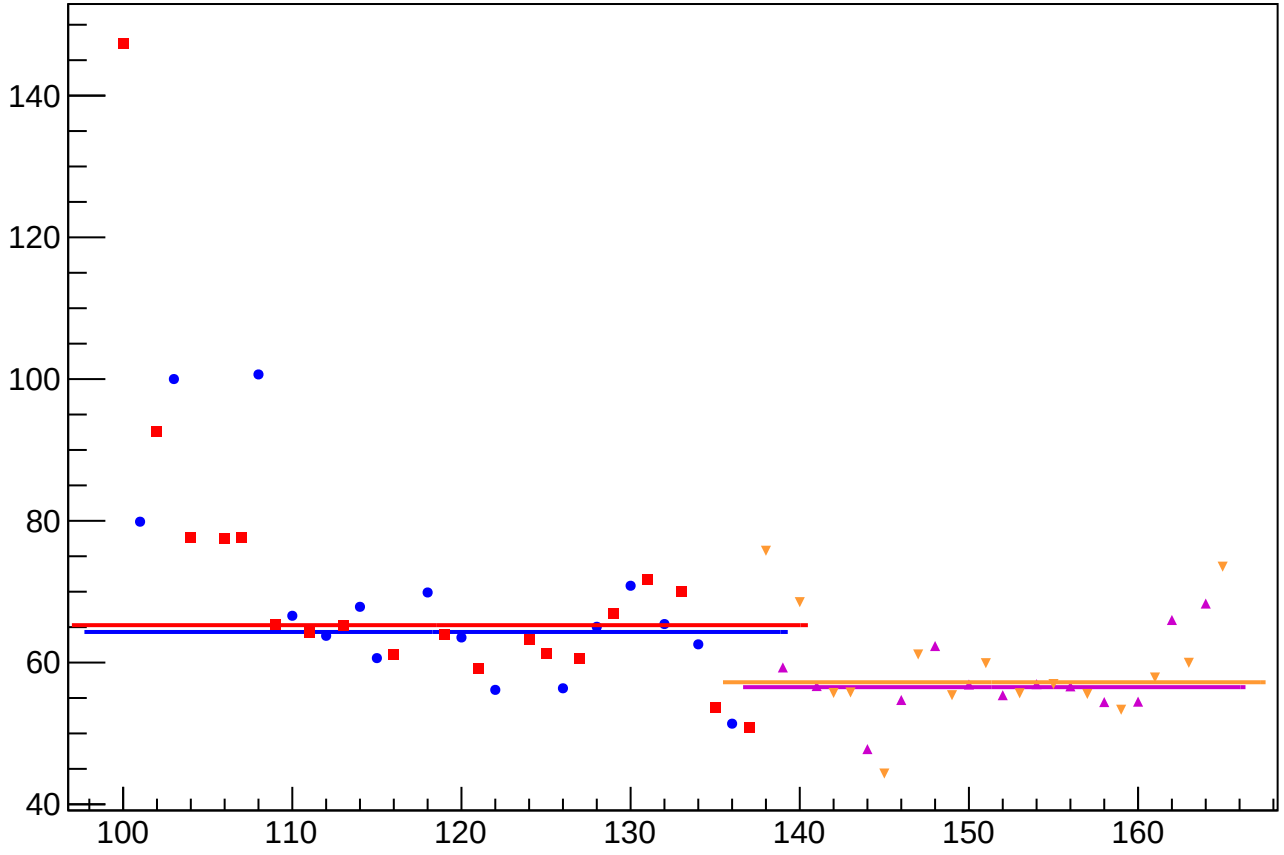
Left In: 16.266+/-17.350 χ^2/NDF:14.3/12

+ sign 16.207+/-13.919 χ^2/NDF: 31.6/30

All: 11.663+/-9.914 χ^2/NDF: 70.9/62

- sign 6.984+/-14.125 χ^2/NDF: 39.1/31

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 57.222+/-0.012 χ^2/NDF:353822.7/14

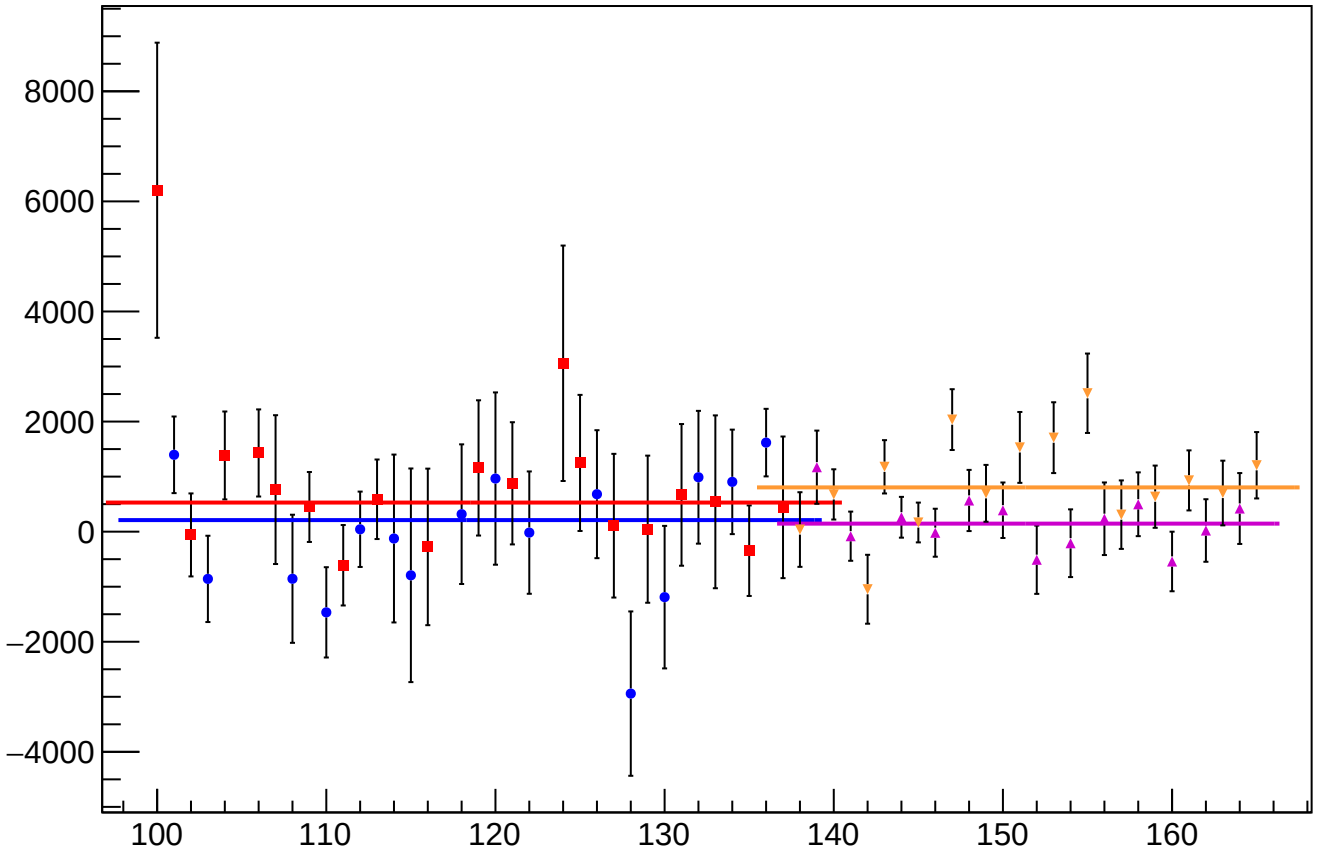
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.529+/-0.012 χ^2/NDF:148281.7/12

+ sign 59.513+/-0.010 χ^2/NDF: 932409.1/30

All: 59.496+/-0.007 χ^2/NDF: 1571292.9/62

- sign 59.479+/-0.010 χ^2/NDF: 638877.9/31



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 804.046+/-141.487 χ^2/NDF:28.9/14

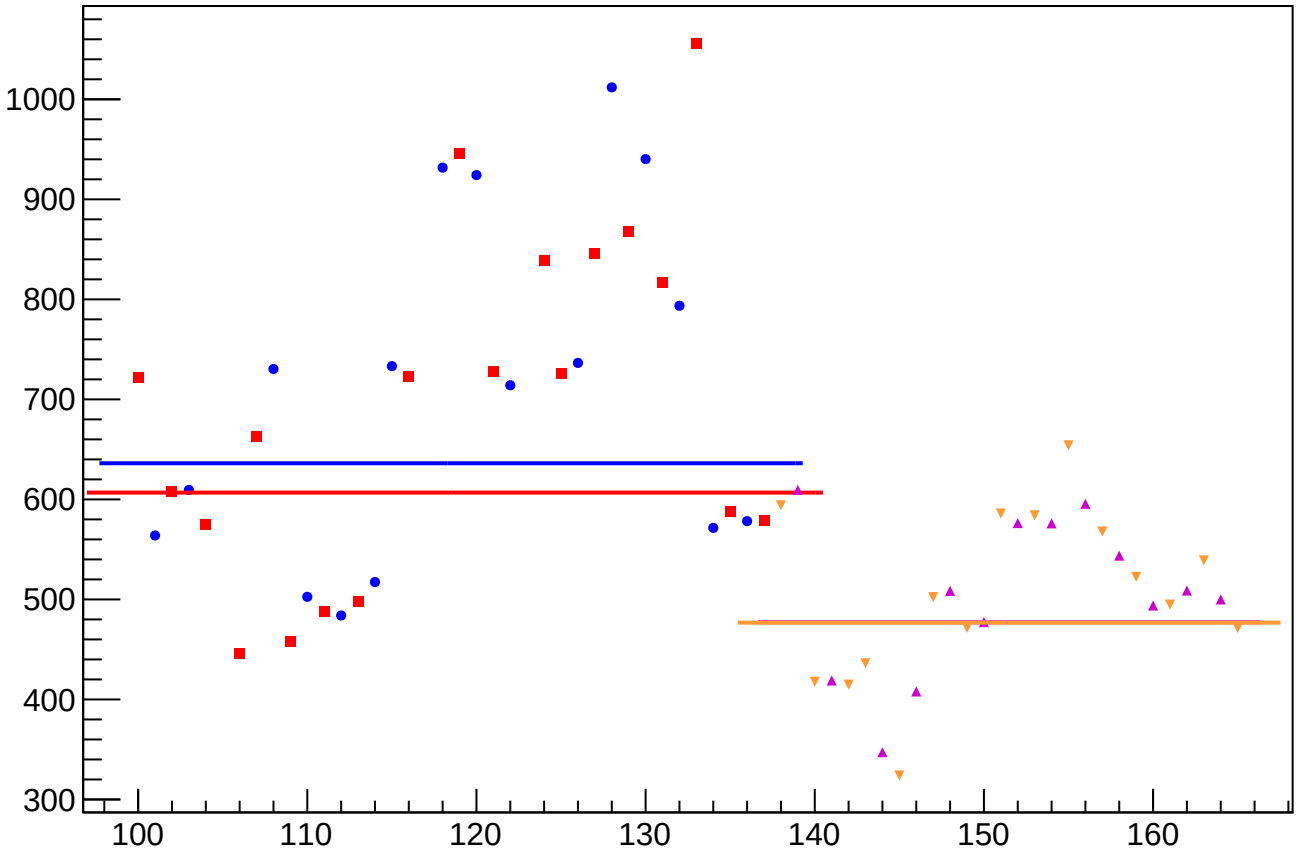
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 145.853+/-146.743 χ^2/NDF:7.4/12

+ sign 654.384+/-122.372 χ^2/NDF: 55.8/30

All: 457.683+/-86.982 χ^2/NDF: 84.2/62

- sign 256.823+/-123.659 χ^2/NDF: 23.2/31



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 476.820+/-0.100 χ^2/NDF:804057.4/14

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

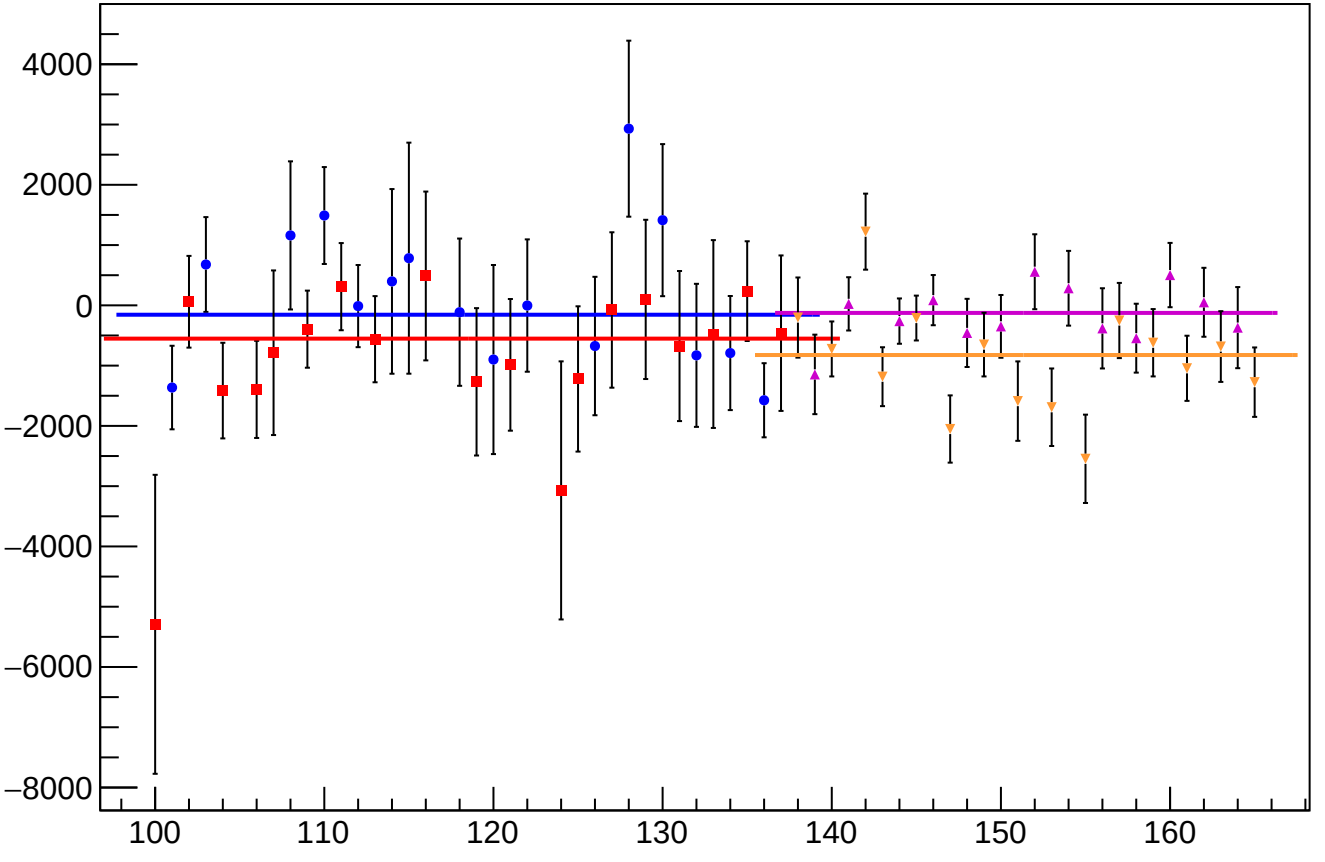
Left In: 477.181+/-0.104 χ^2/NDF:620003.5/12

+ sign 516.961+/-0.087 χ^2/NDF: 2148246.0/30

All: 515.869+/-0.062 χ^2/NDF: 4114805.4/62

- sign 514.755+/-0.087 χ^2/NDF: 1966237.8/31

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -824.211+/-142.140 χ^2/NDF:30.2/14

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

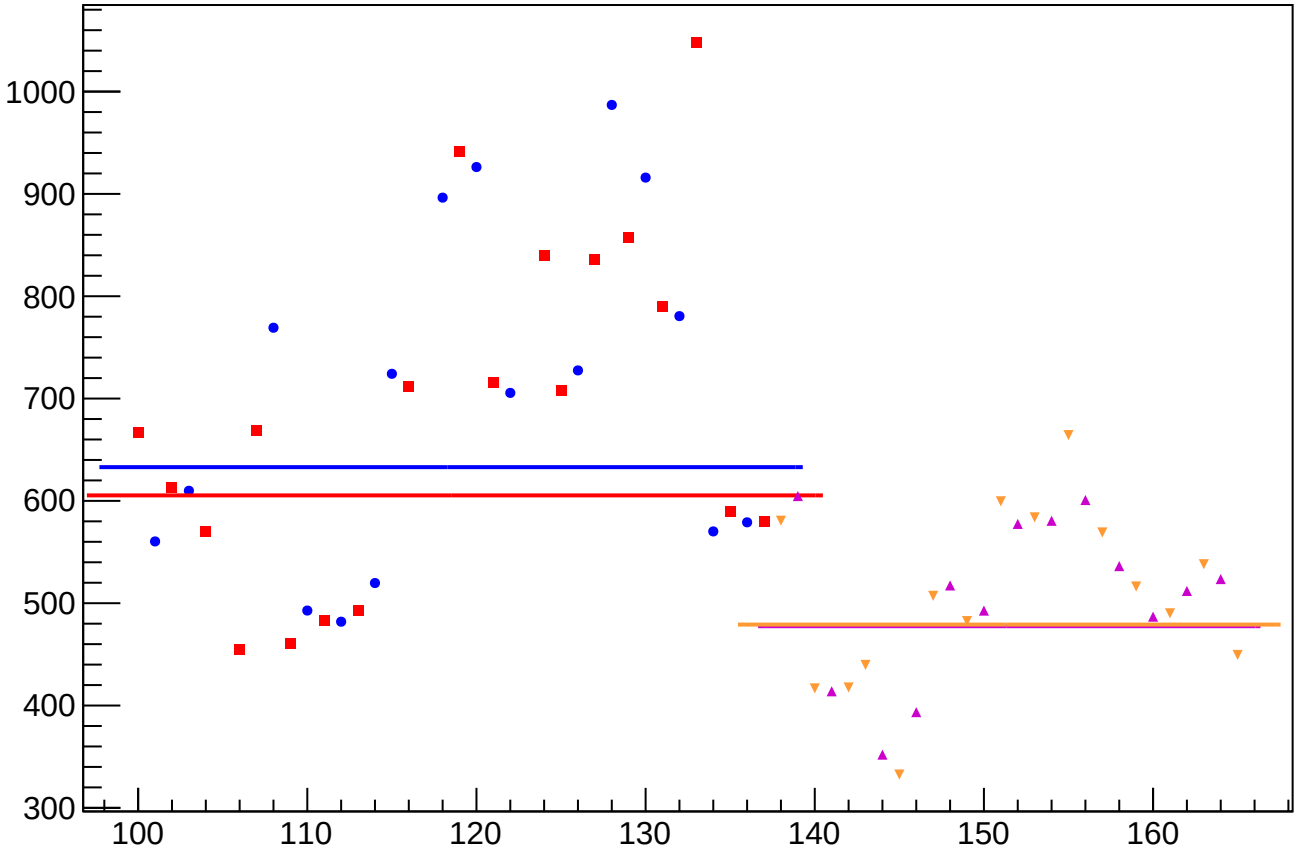
Left In: -125.550+/-146.860 χ^2/NDF:7.4/12

+ sign -653.351+/-122.640 χ^2/NDF: 58.3/30

All: -453.239+/-87.059 χ^2/NDF: 85.6/62

- sign -249.963+/-123.605 χ^2/NDF: 22.0/31

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 479.123+/-0.101 χ^2/NDF:755941.4/14

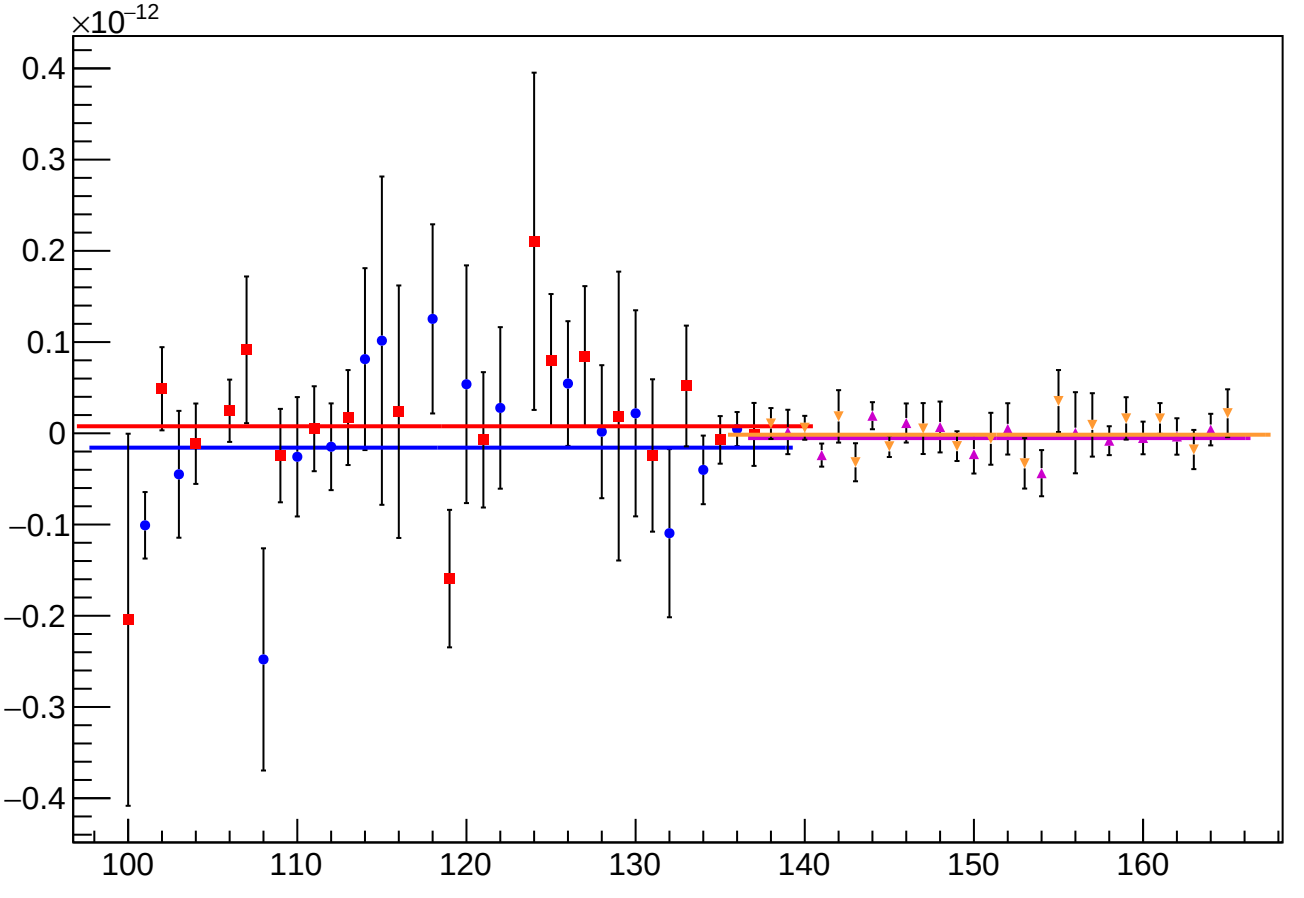
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 477.533+/-0.104 χ^2/NDF:645660.2/12

+ sign 518.439+/-0.087 χ^2/NDF: 2035839.6/30

All: 516.641+/-0.062 χ^2/NDF: 3978317.8/62

- sign 514.814+/-0.087 χ^2/NDF: 1941611.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/14

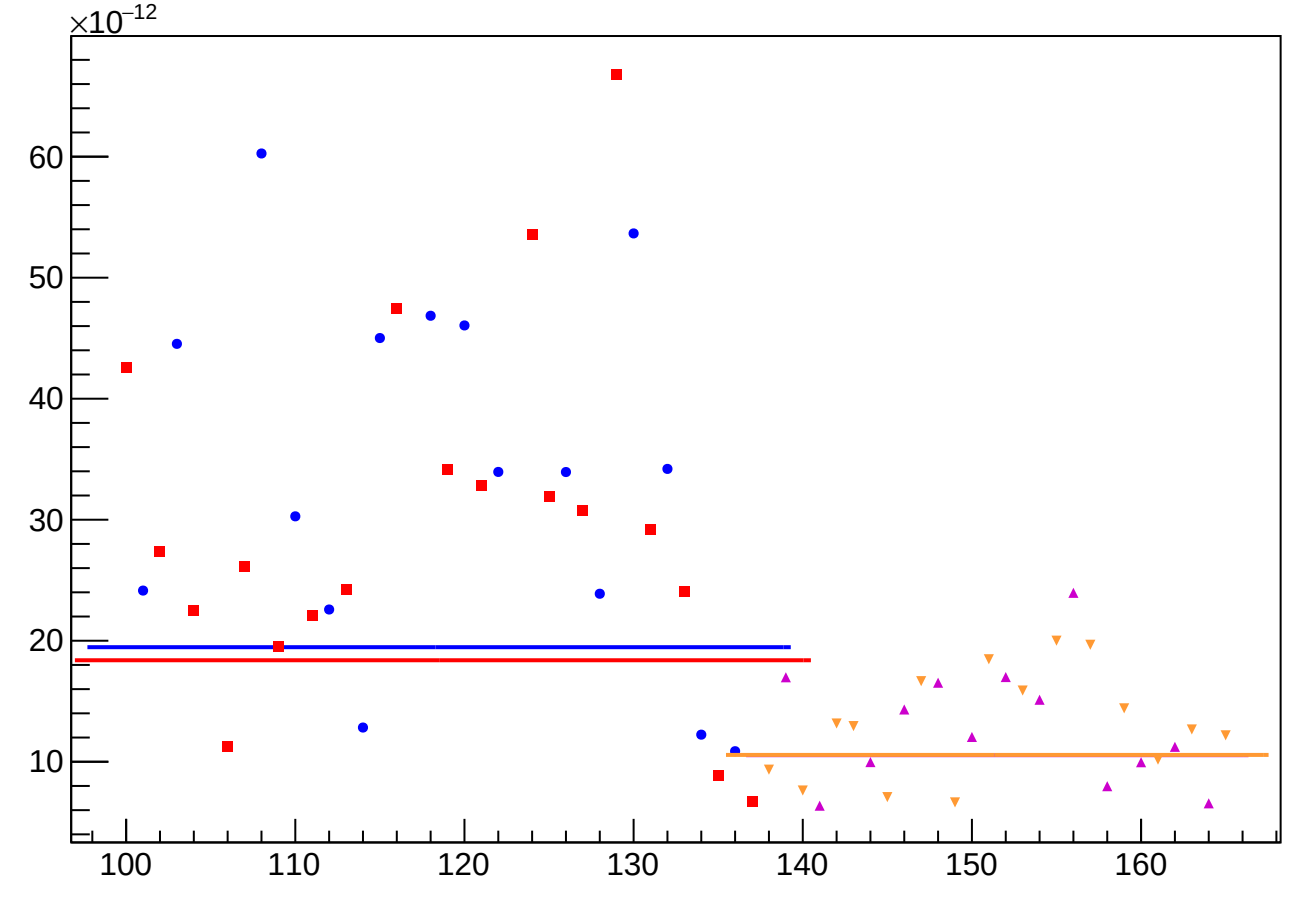
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/30

All: -0.000+/-0.000 χ^2/NDF: 52.1/62

- sign -0.000+/-0.000 χ^2/NDF: 23.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1144318.3/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

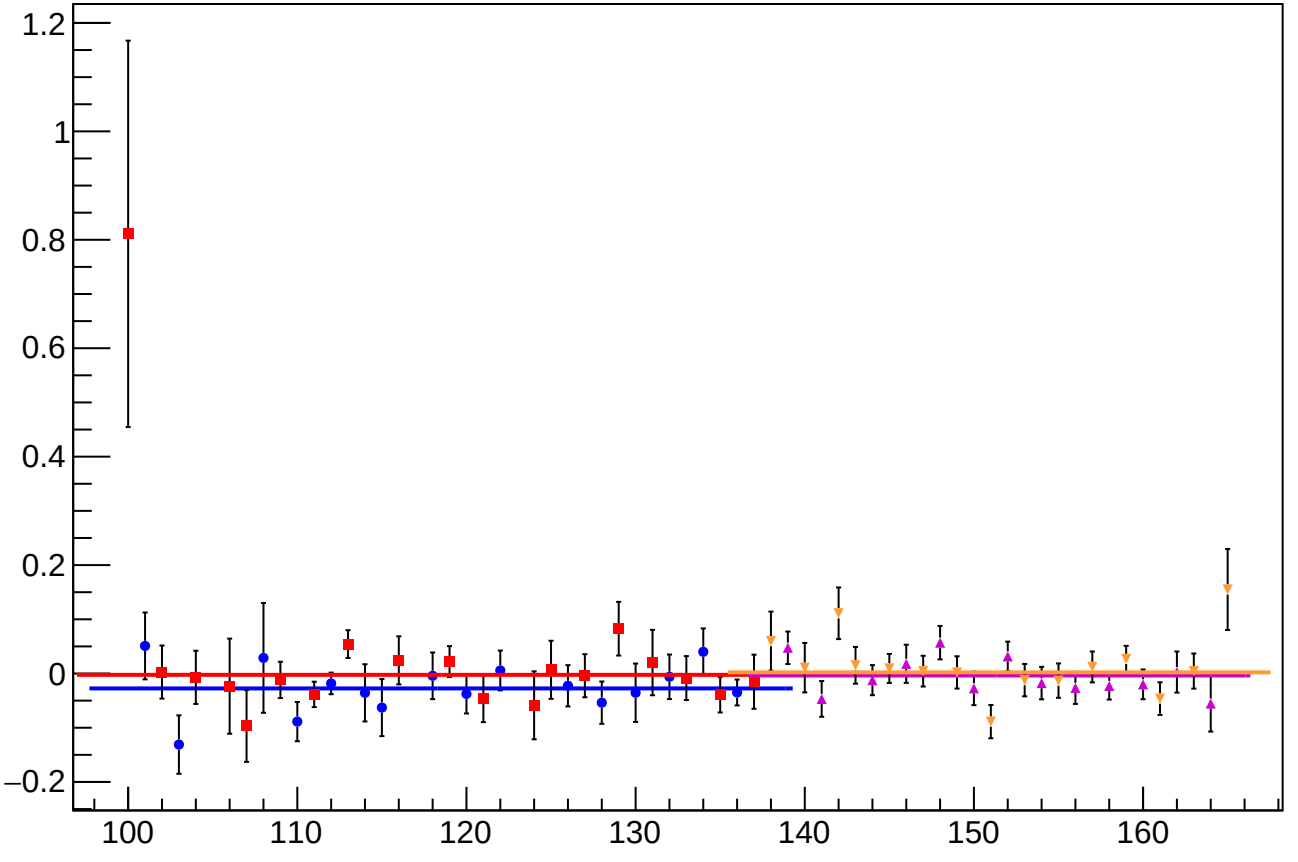
Left In: 0.000+/-0.000 χ^2/NDF:1040587.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 3736502.0/30

All: 0.000+/-0.000 χ^2/NDF: 6917539.1/62

- sign 0.000+/-0.000 χ^2/NDF: 3181031.8/31

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: 0.002+/-0.008 χ^2/NDF:23.8/14

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

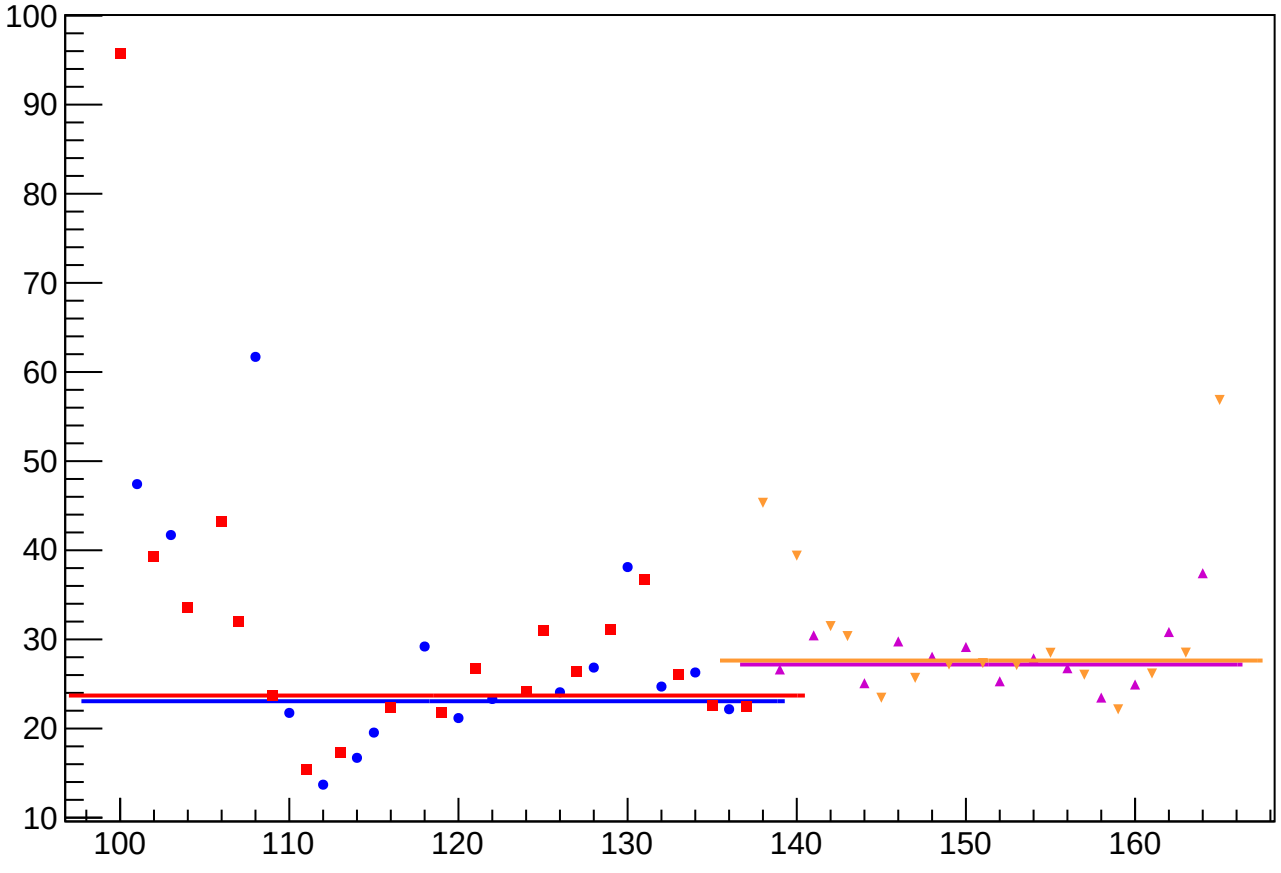
Left In: -0.004+/-0.009 χ^2/NDF:14.0/12

+ sign -0.011+/-0.006 χ^2/NDF: 43.0/30

All: -0.007+/-0.004 χ^2/NDF: 79.9/62

- sign -0.003+/-0.006 χ^2/NDF: 36.1/31

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.629+/-0.006 χ^2/NDF:853236.6/14

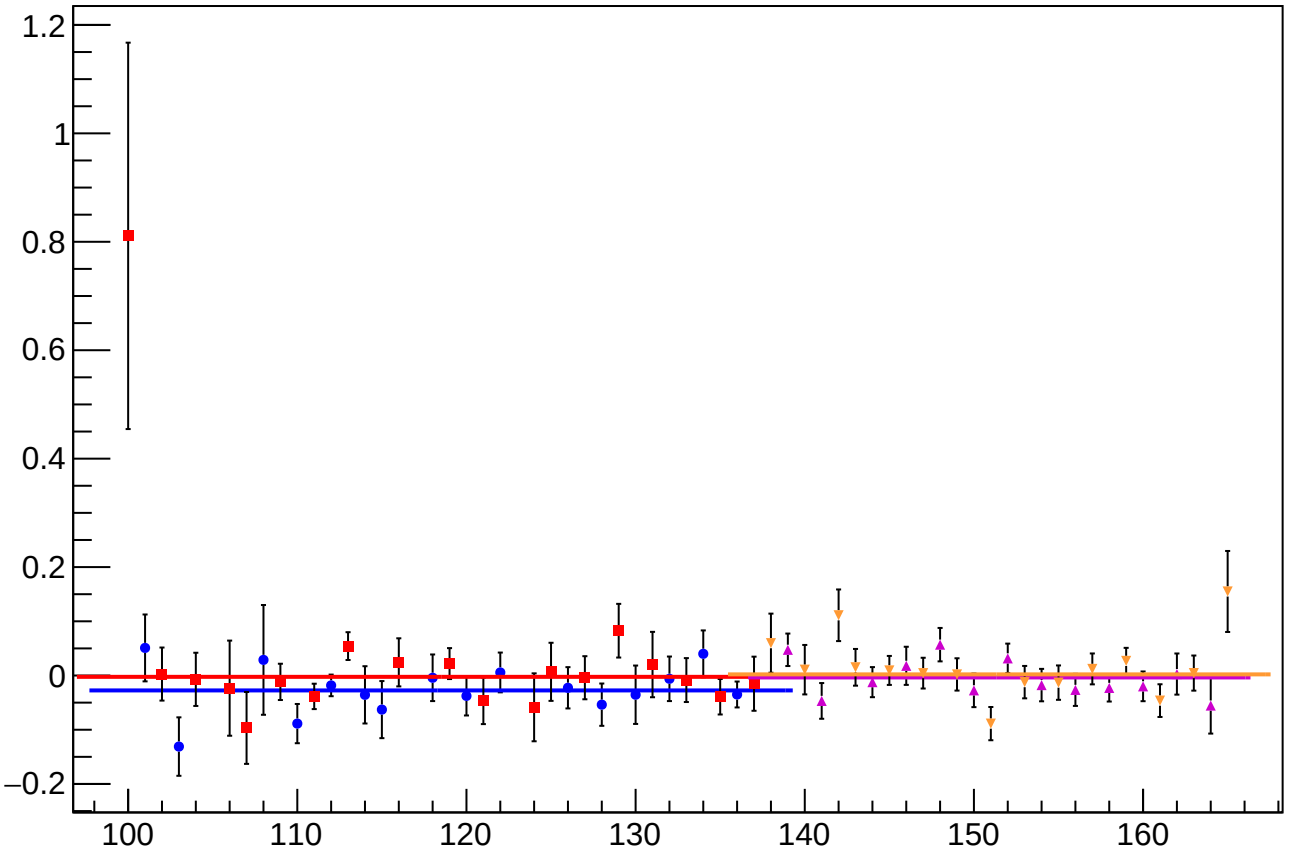
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.185+/-0.006 χ^2/NDF:217289.0/12

+ sign 25.609+/-0.004 χ^2/NDF: 2680724.3/30

All: 25.603+/-0.003 χ^2/NDF: 4139472.1/62

- sign 25.598+/-0.004 χ^2/NDF: 1458744.9/31



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

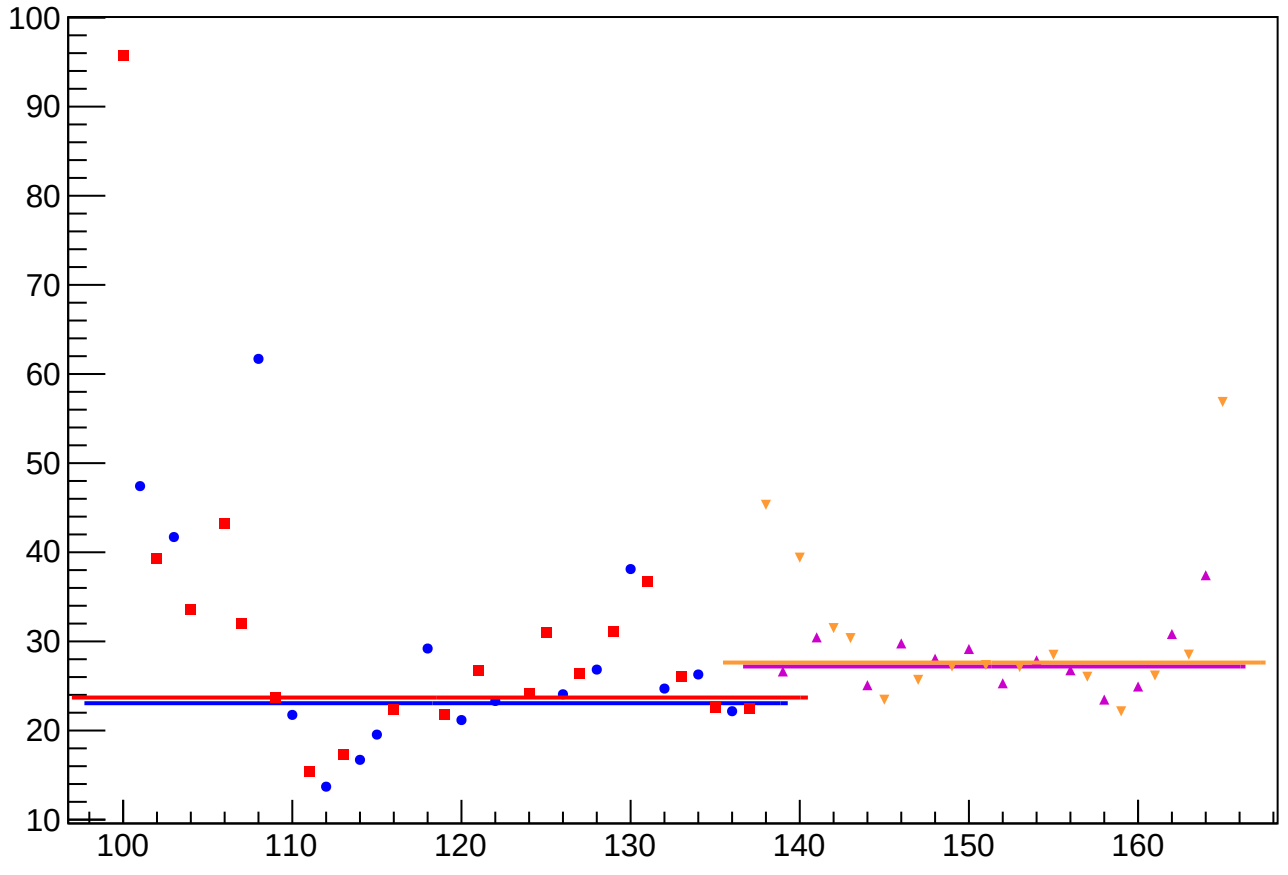
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.009 χ^2/NDF:14.0/12

+ sign -0.011+/-0.006 χ^2/NDF: 43.0/30

All: -0.007+/-0.004 χ^2/NDF: 79.9/62

- sign -0.003+/-0.006 χ^2/NDF: 36.1/31



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.629+/-0.006 χ^2/NDF:853236.6/14

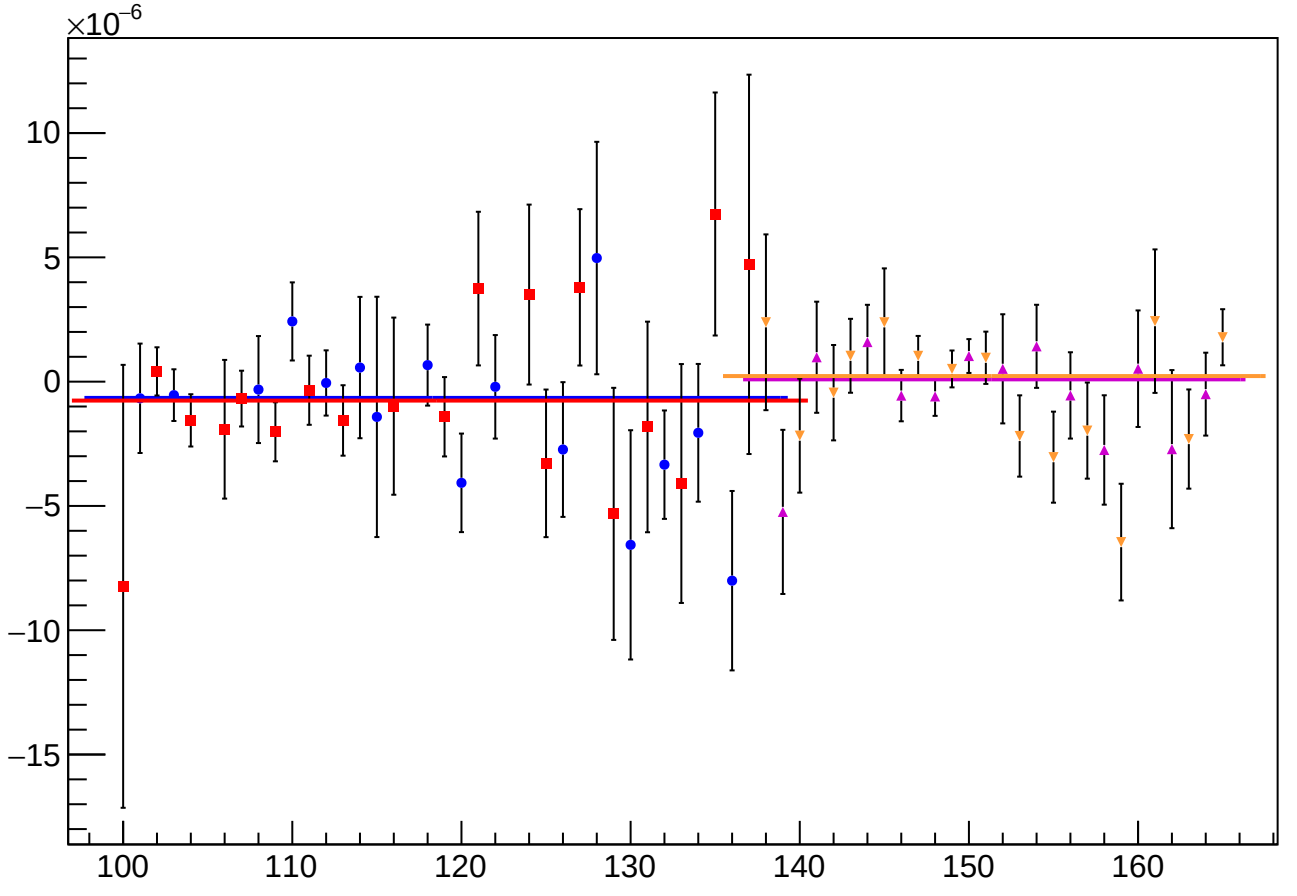
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.185+/-0.006 χ^2/NDF:217289.0/12

+ sign 25.609+/-0.004 χ^2/NDF: 2680724.3/30

All: 25.603+/-0.003 χ^2/NDF: 4139472.1/62

- sign 25.598+/-0.004 χ^2/NDF: 1458744.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/14

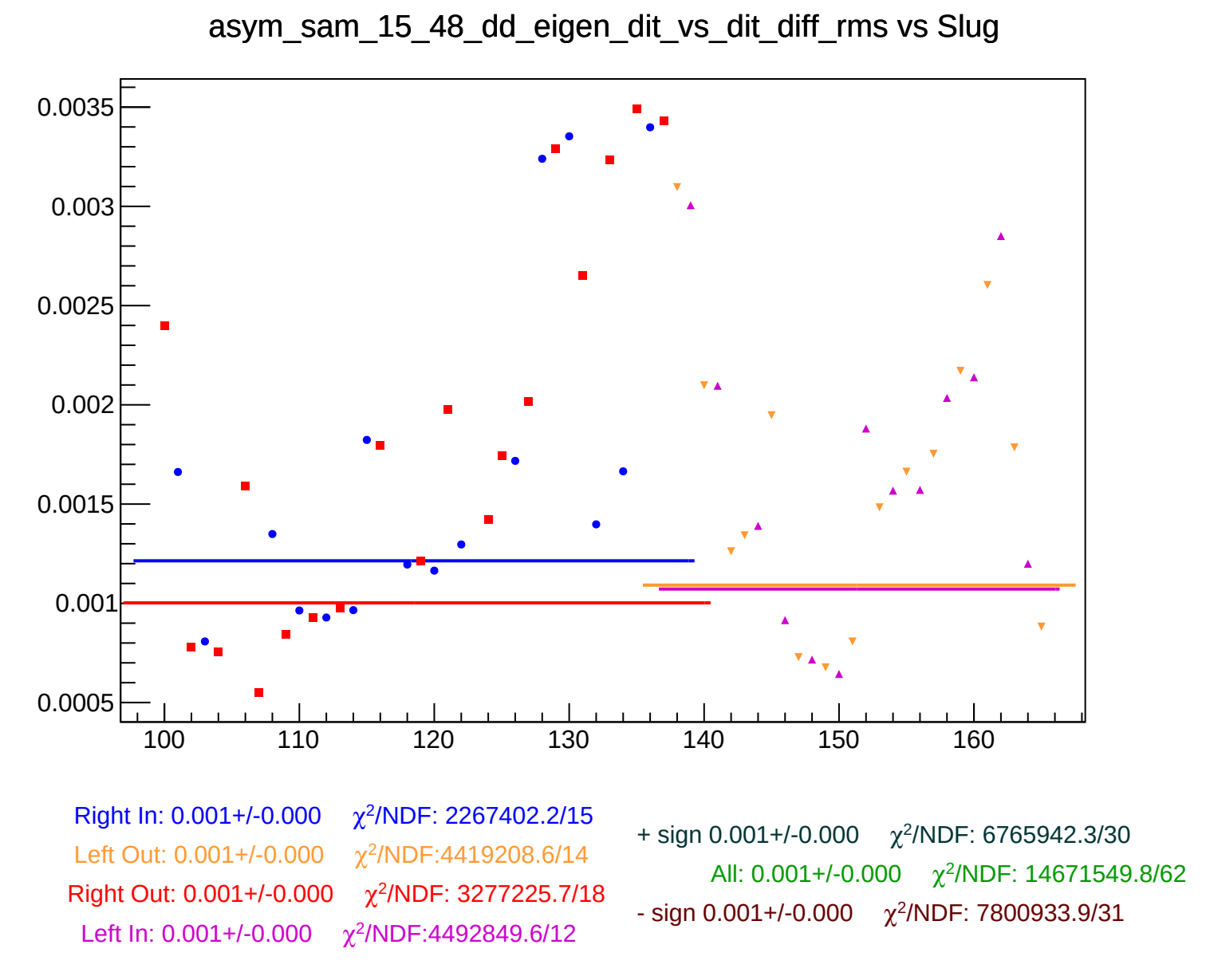
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

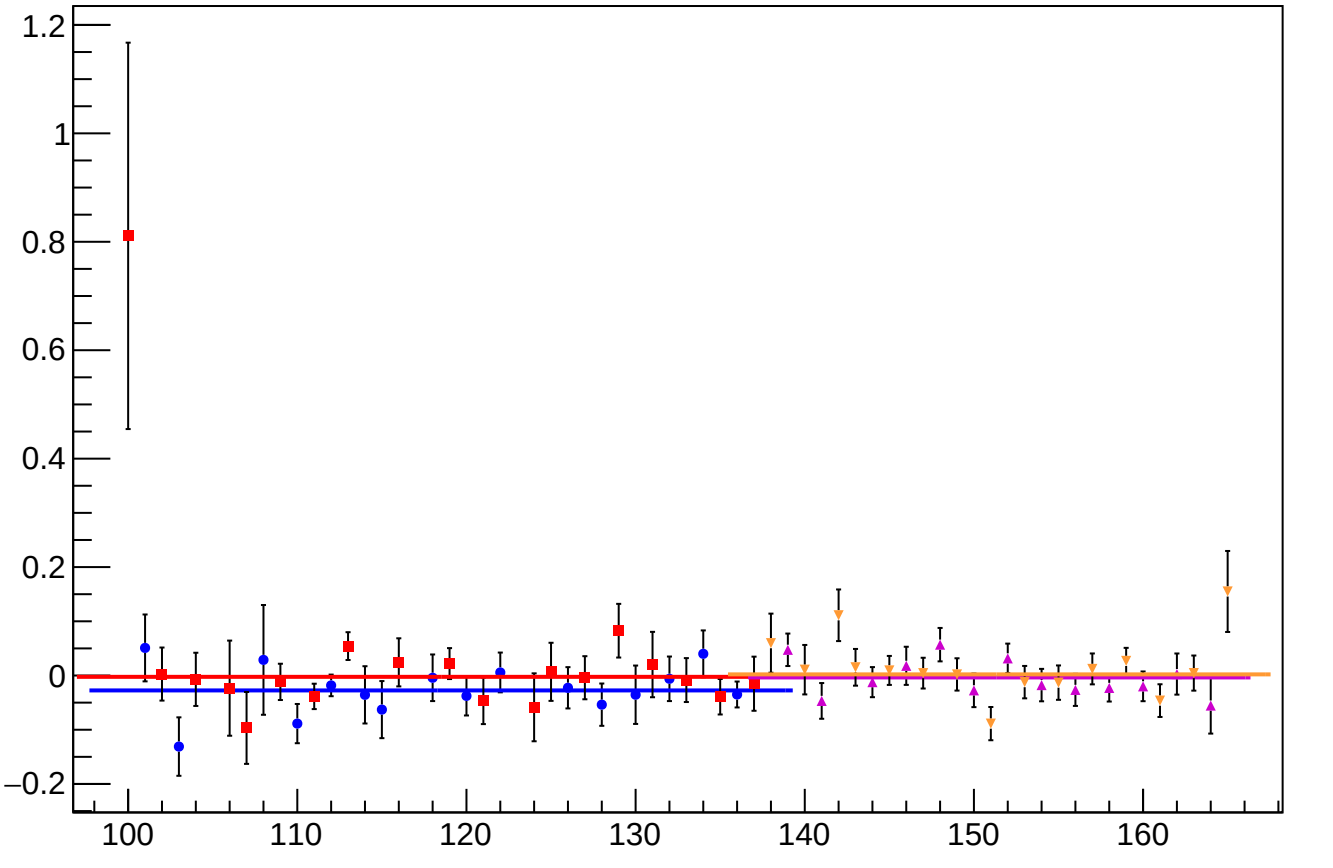
Left In: 0.000+/-0.000 χ^2/NDF:10.3/12

\+ sign -0.000+/-0.000 χ^2/NDF: 43.0/30

All: -0.000+/-0.000 χ^2/NDF: 71.0/62

\- sign -0.000+/-0.000 χ^2/NDF: 27.7/31


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:4419208.6/14
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:4492849.6/12
+ sign 0.001+/-0.000 χ²/NDF: 6765942.3/30
All: 0.001+/-0.000 χ²/NDF: 14671549.8/62
- sign 0.001+/-0.000 χ²/NDF: 7800933.9/31



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

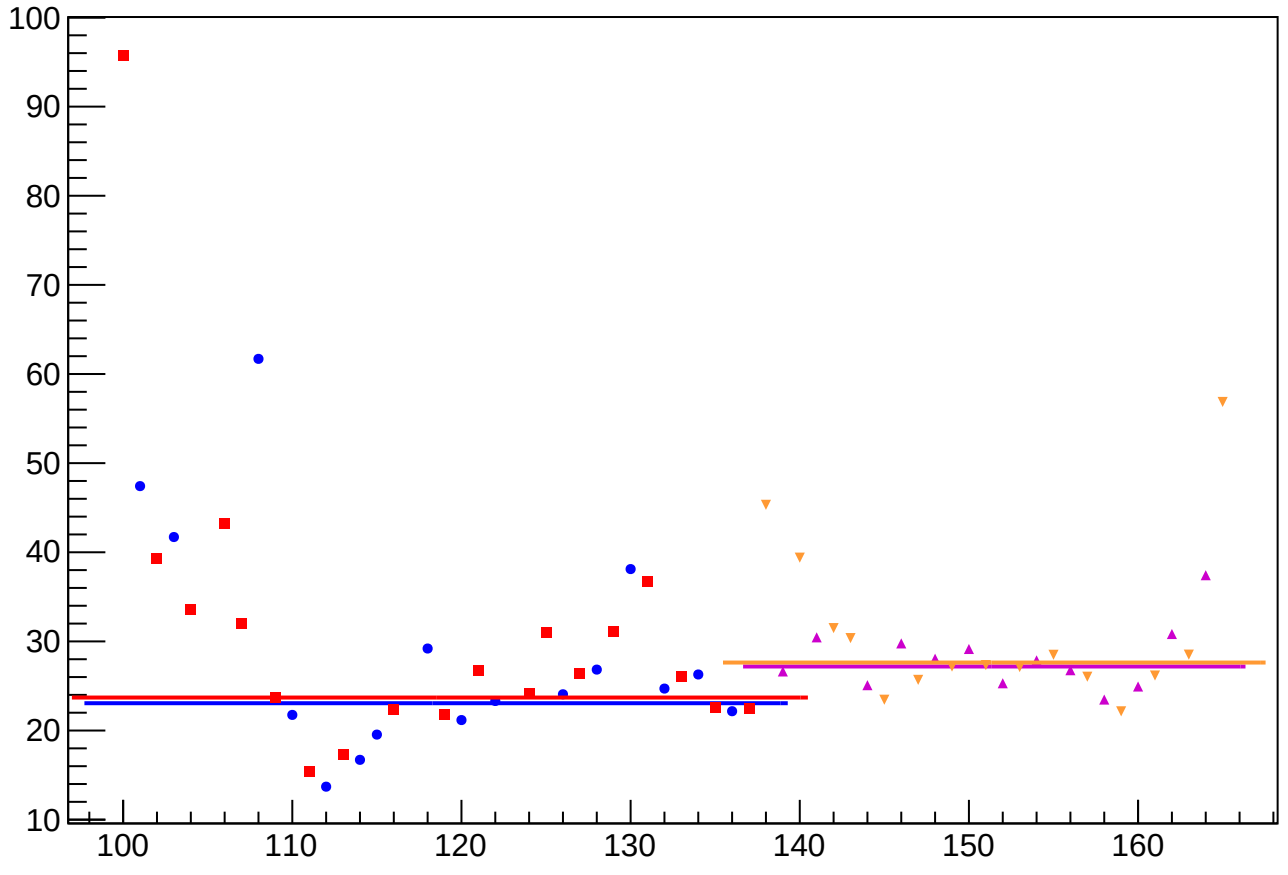
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.009 χ^2/NDF:14.0/12

+ sign -0.011+/-0.006 χ^2/NDF: 43.0/30

All: -0.007+/-0.004 χ^2/NDF: 79.9/62

- sign -0.003+/-0.006 χ^2/NDF: 36.1/31



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.629+/-0.006 χ^2/NDF:853192.6/14

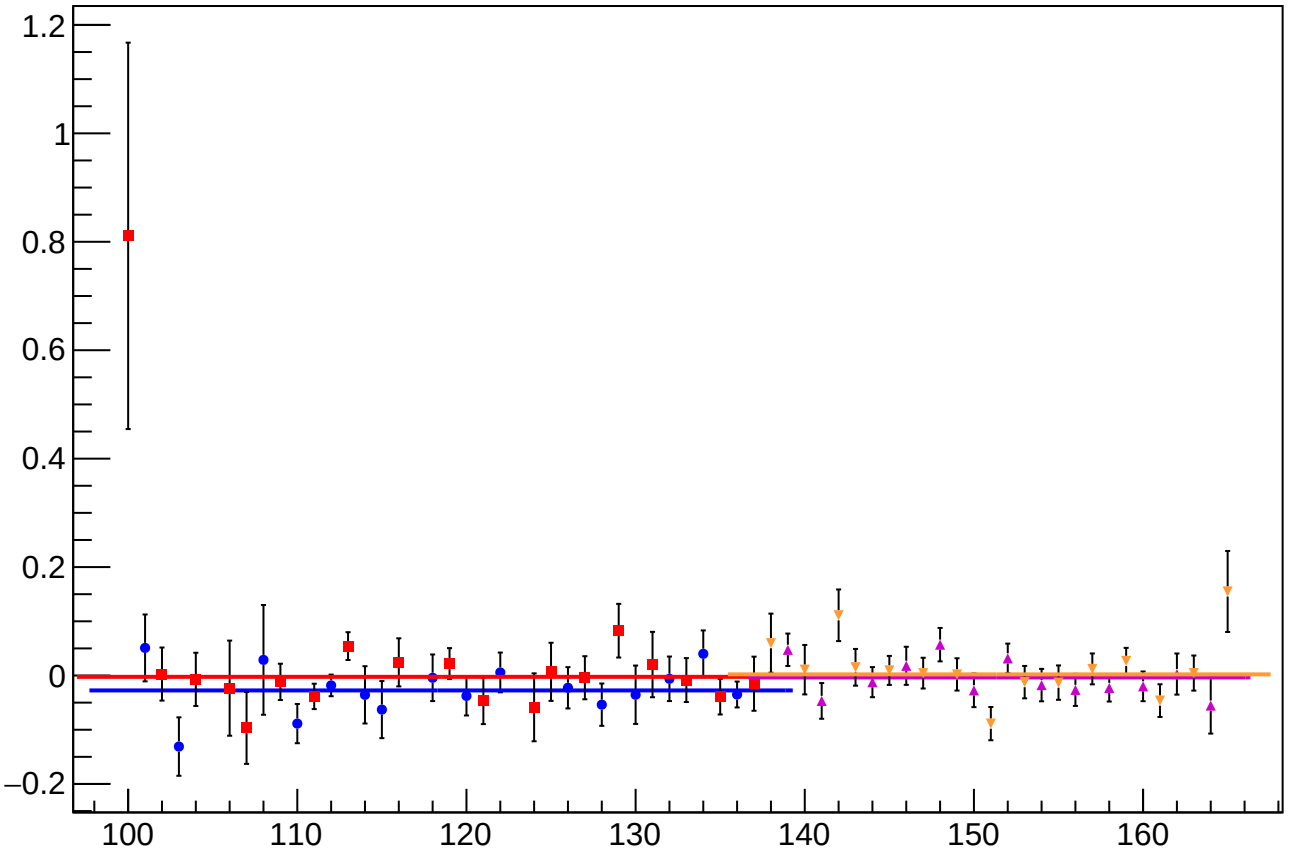
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.186+/-0.006 χ^2/NDF:217285.7/12

+ sign 25.609+/-0.004 χ^2/NDF: 2680759.6/30

All: 25.603+/-0.003 χ^2/NDF: 4139587.2/62

- sign 25.598+/-0.004 χ^2/NDF: 1458824.5/31



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.008 χ^2/NDF:23.8/14

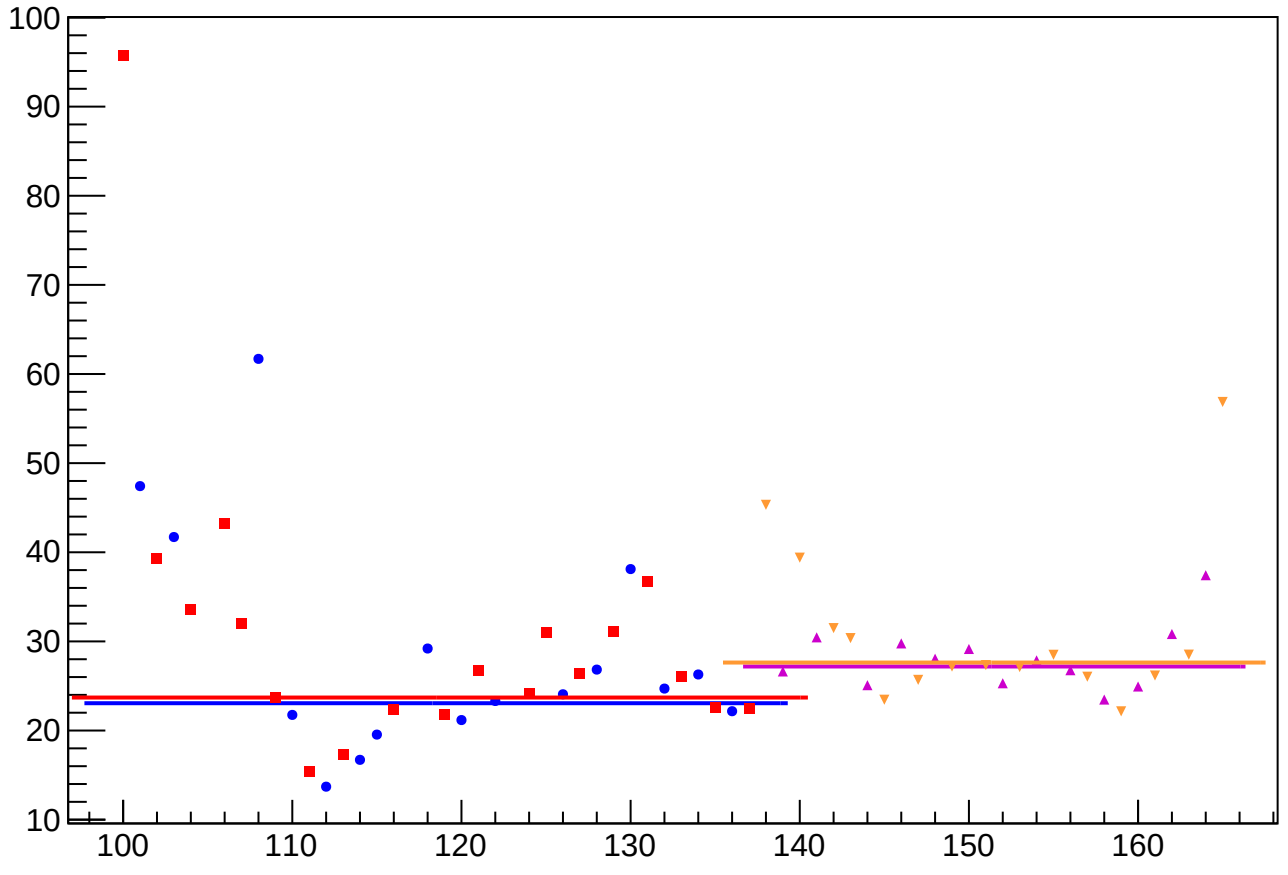
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.009 χ^2/NDF:14.0/12

+ sign -0.011+/-0.006 χ^2/NDF: 43.0/30

All: -0.007+/-0.004 χ^2/NDF: 79.9/62

- sign -0.003+/-0.006 χ^2/NDF: 36.1/31



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.629+/-0.006 χ^2/NDF:853192.6/14

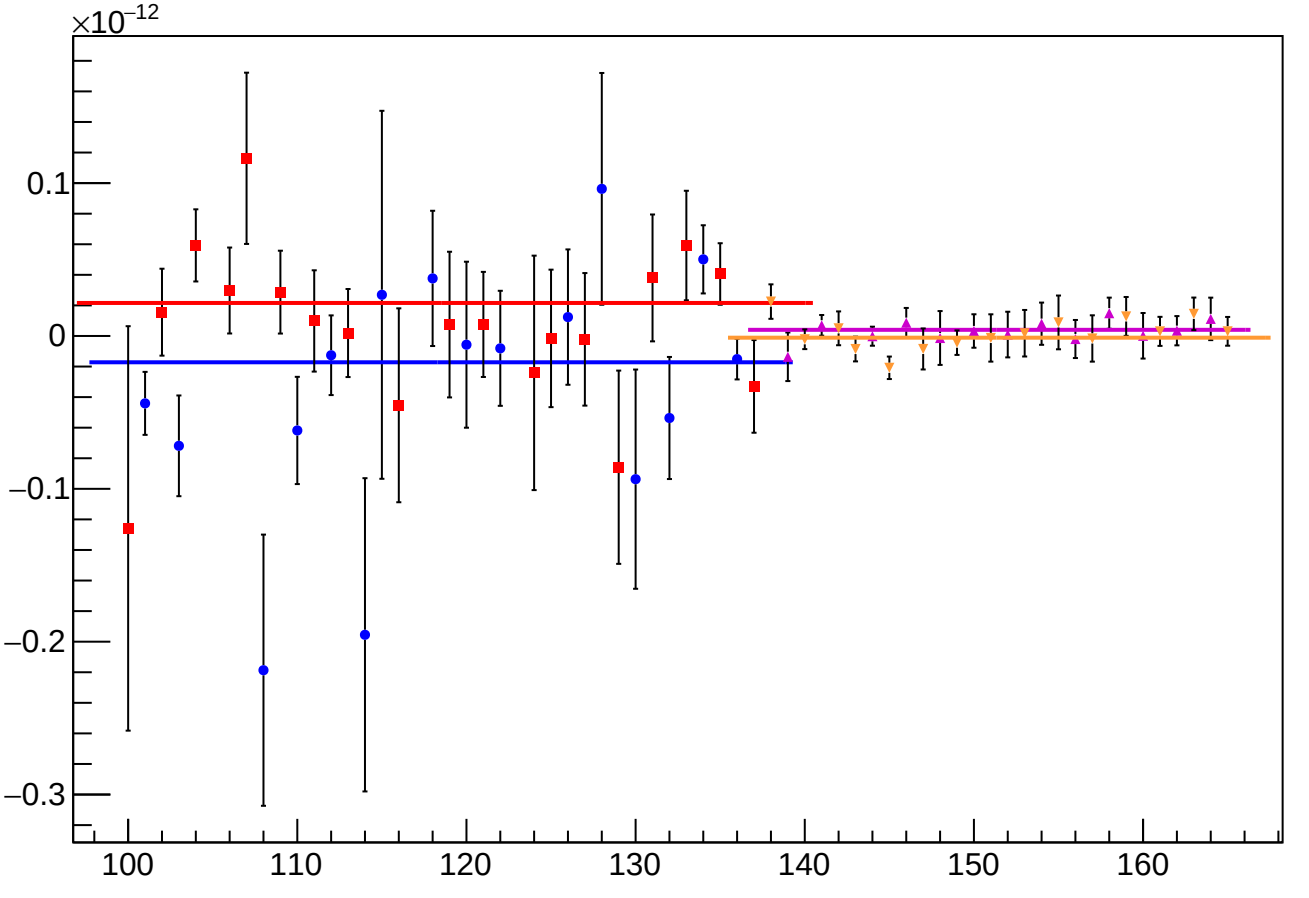
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.186+/-0.006 χ^2/NDF:217285.7/12

+ sign 25.609+/-0.004 χ^2/NDF: 2680759.6/30

All: 25.603+/-0.003 χ^2/NDF: 4139587.2/62

- sign 25.598+/-0.004 χ^2/NDF: 1458824.5/31



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/14

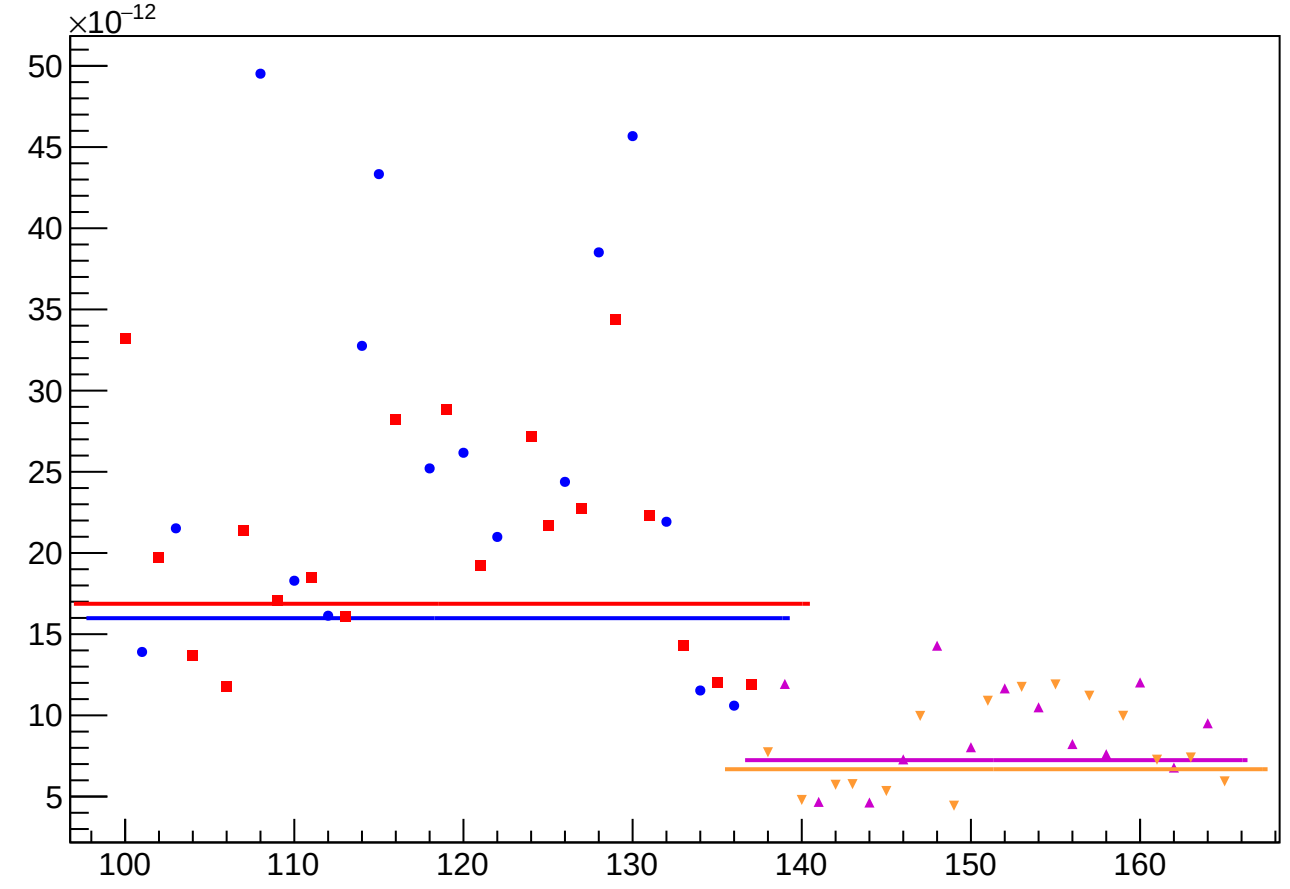
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/30

All: 0.000+/-0.000 χ^2/NDF: 83.3/62

- sign 0.000+/-0.000 χ^2/NDF: 26.4/31



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1462682.1/14

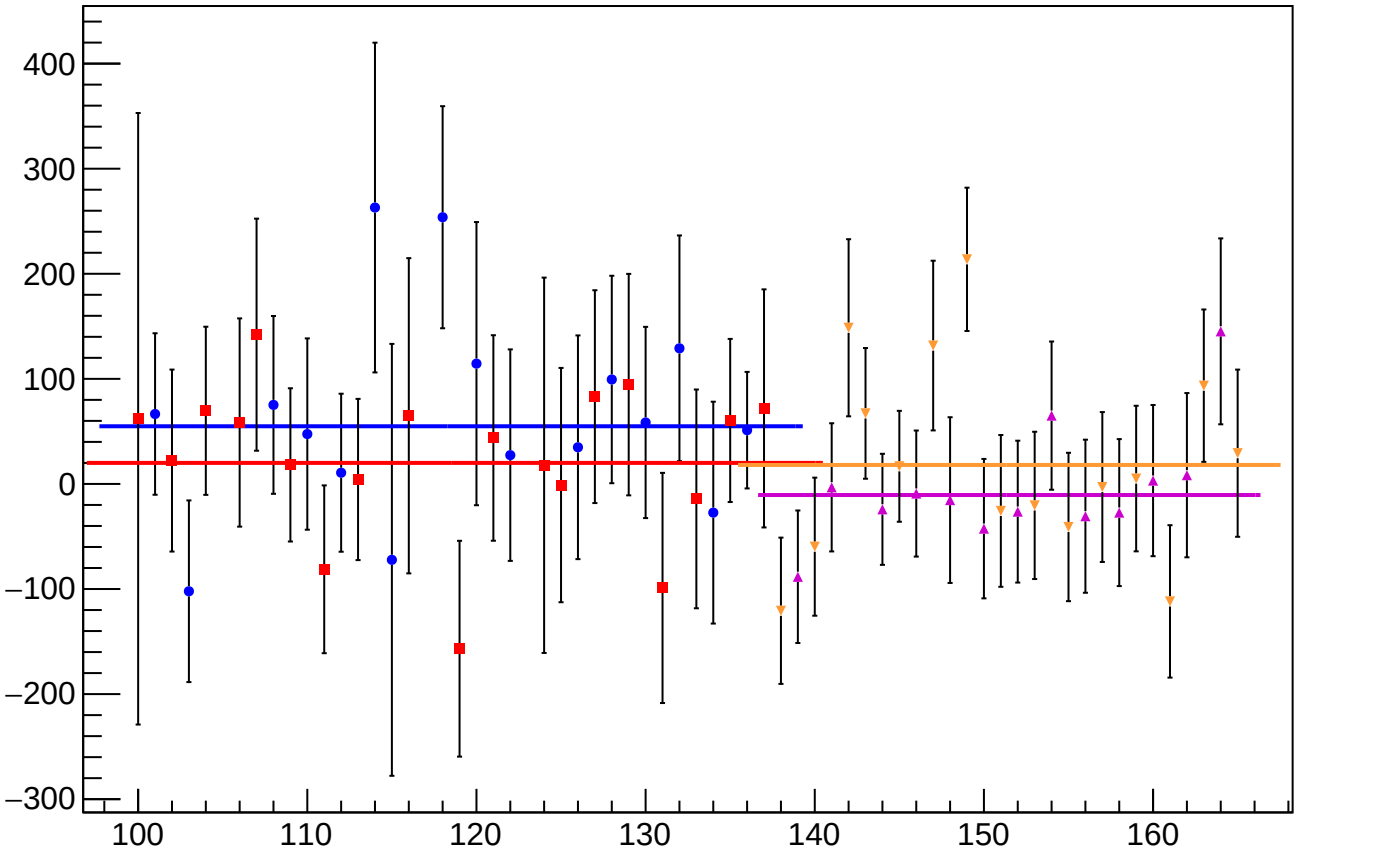
Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1712303.2/12

\+ sign 0.000+/-0.000 χ^2/NDF: 5809001.2/30

All: 0.000+/-0.000 χ^2/NDF: 11069640.6/62

\- sign 0.000+/-0.000 χ^2/NDF: 5175247.5/31



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 18.067+/-17.948 χ^2/NDF:24.4/14

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

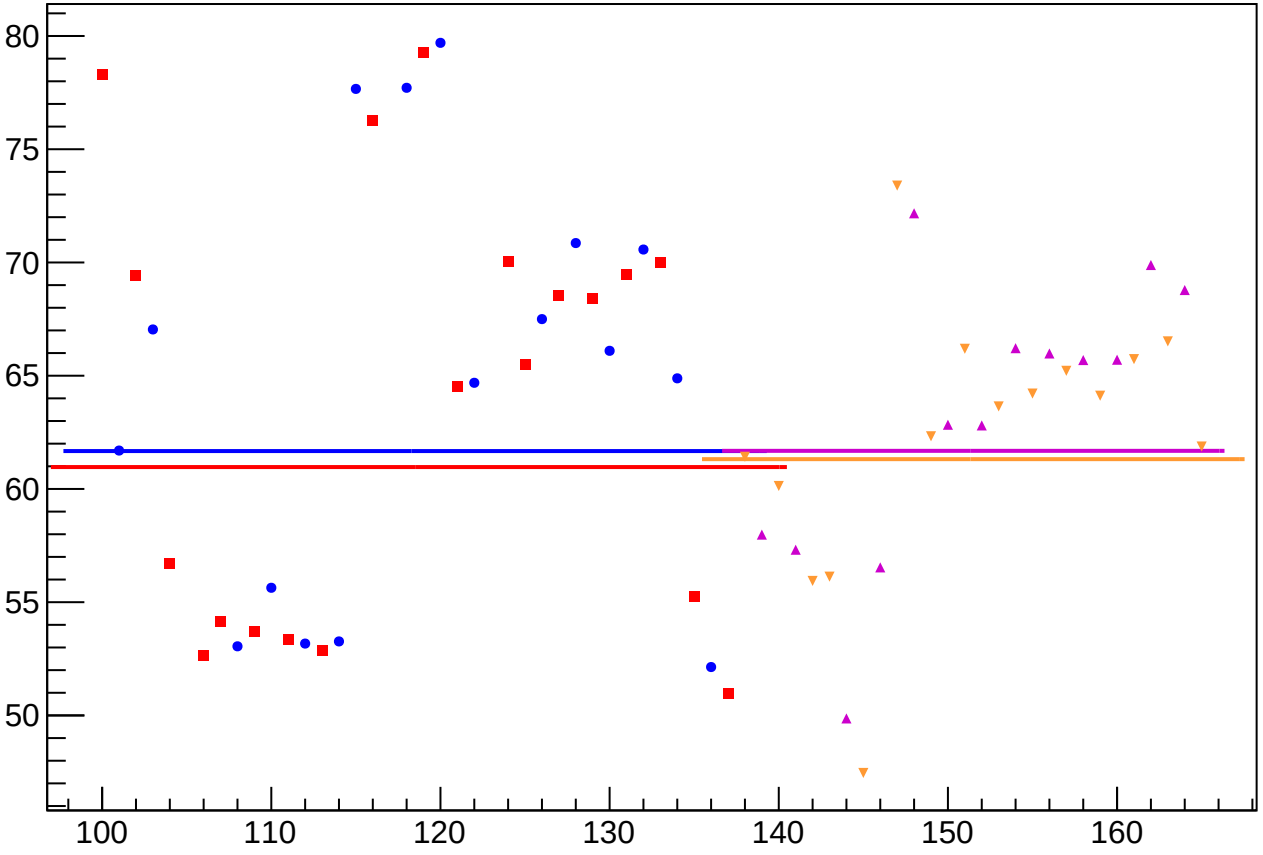
Left In: -10.542+/-18.756 χ^2/NDF:6.4/12

+ sign 31.867+/-14.191 χ^2/NDF: 37.0/30

All: 17.150+/-10.116 χ^2/NDF: 55.9/62

- sign 1.942+/-14.426 χ^2/NDF: 16.7/31

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.316+/-0.013 χ^2/NDF:247495.9/14

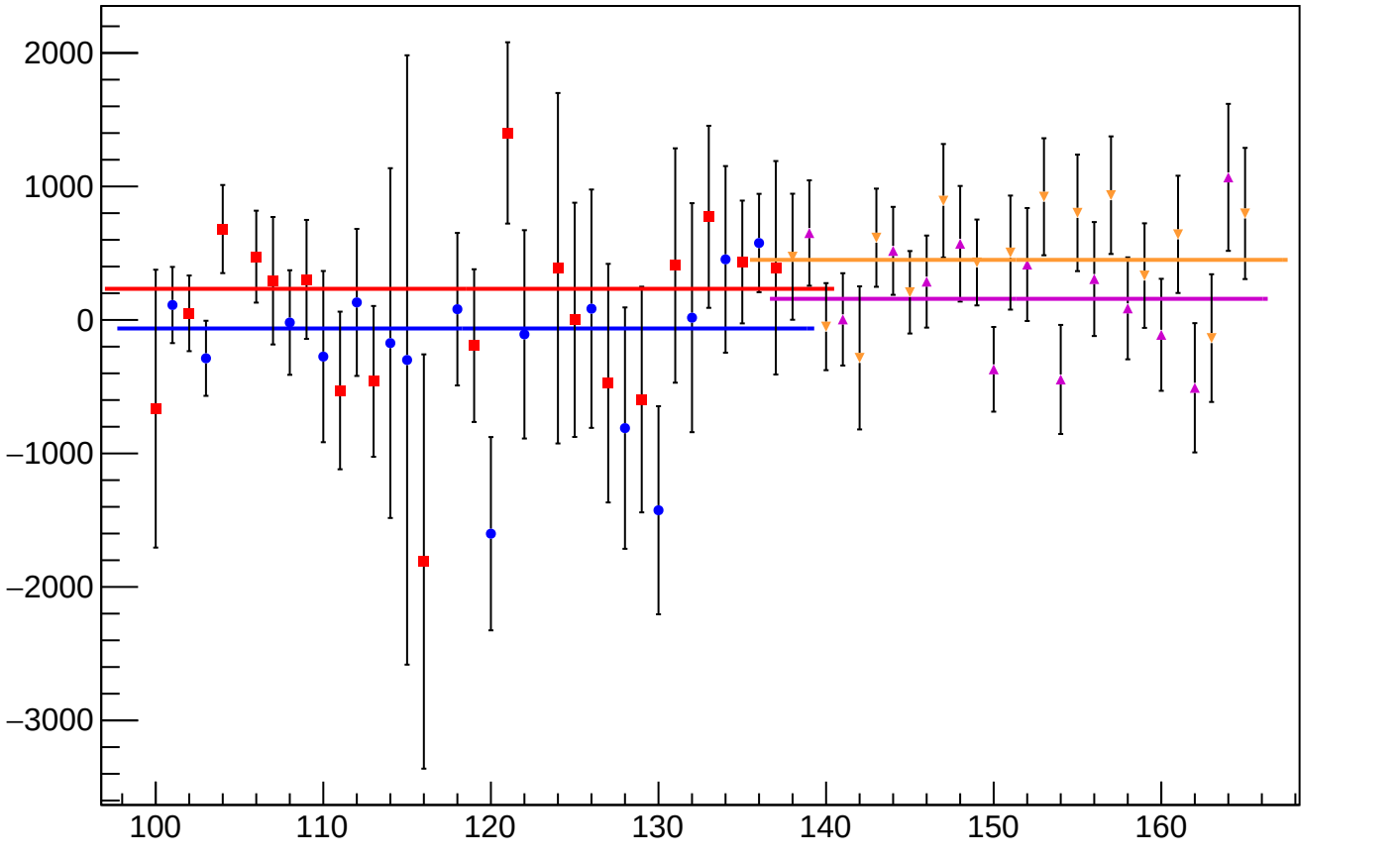
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

+ sign 61.450+/-0.010 χ^2/NDF: 514900.6/30

All: 61.420+/-0.007 χ^2/NDF: 1031645.4/62

- sign 61.390+/-0.010 χ^2/NDF: 516727.5/31



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 450.028+/-104.398 χ^2/NDF:11.5/14

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

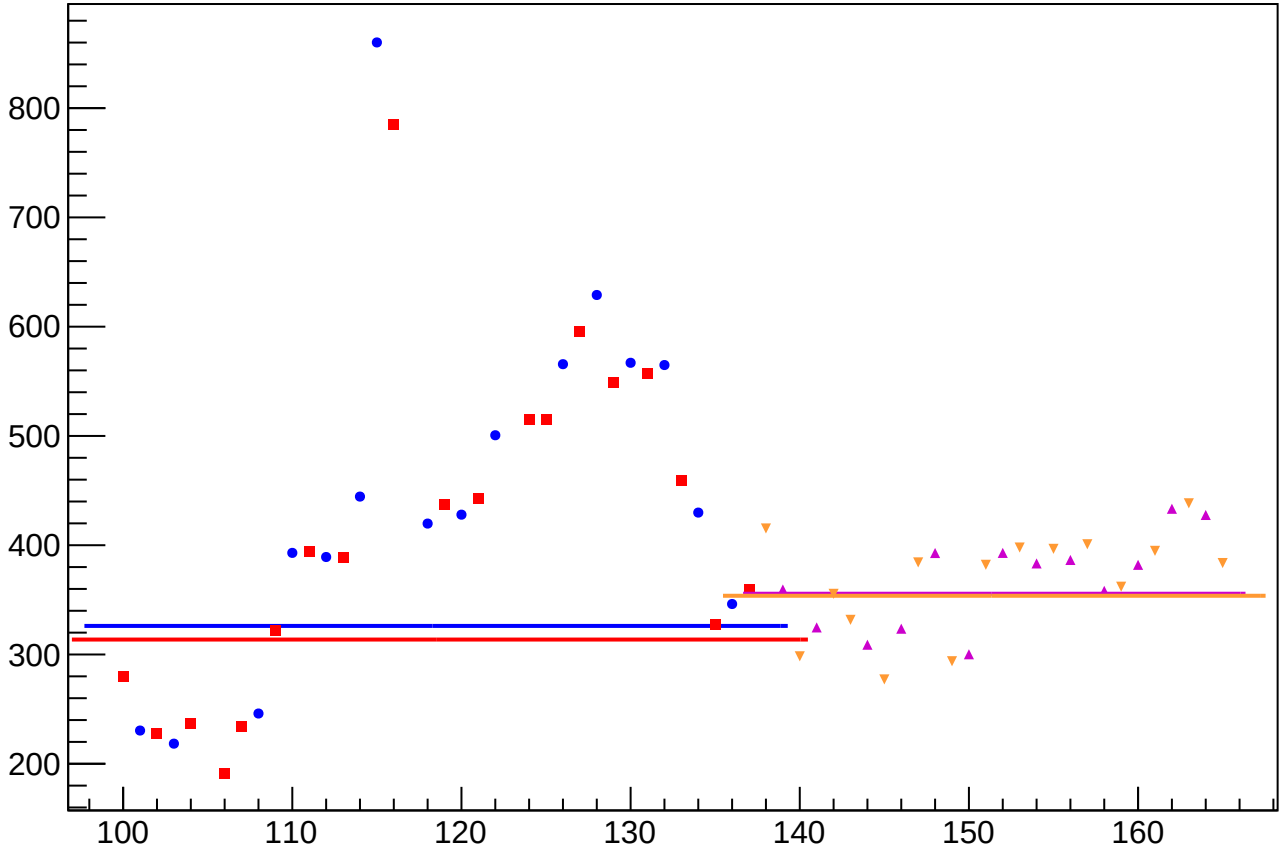
Left In: 158.230+/-108.566 χ^2/NDF:14.5/12

+ sign 247.947+/-81.319 χ^2/NDF: 34.2/30

All: 219.541+/-57.507 χ^2/NDF: 63.7/62

- sign 191.125+/-81.334 χ^2/NDF: 29.2/31

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 353.744+/-0.074 χ^2/NDF:461353.0/14

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

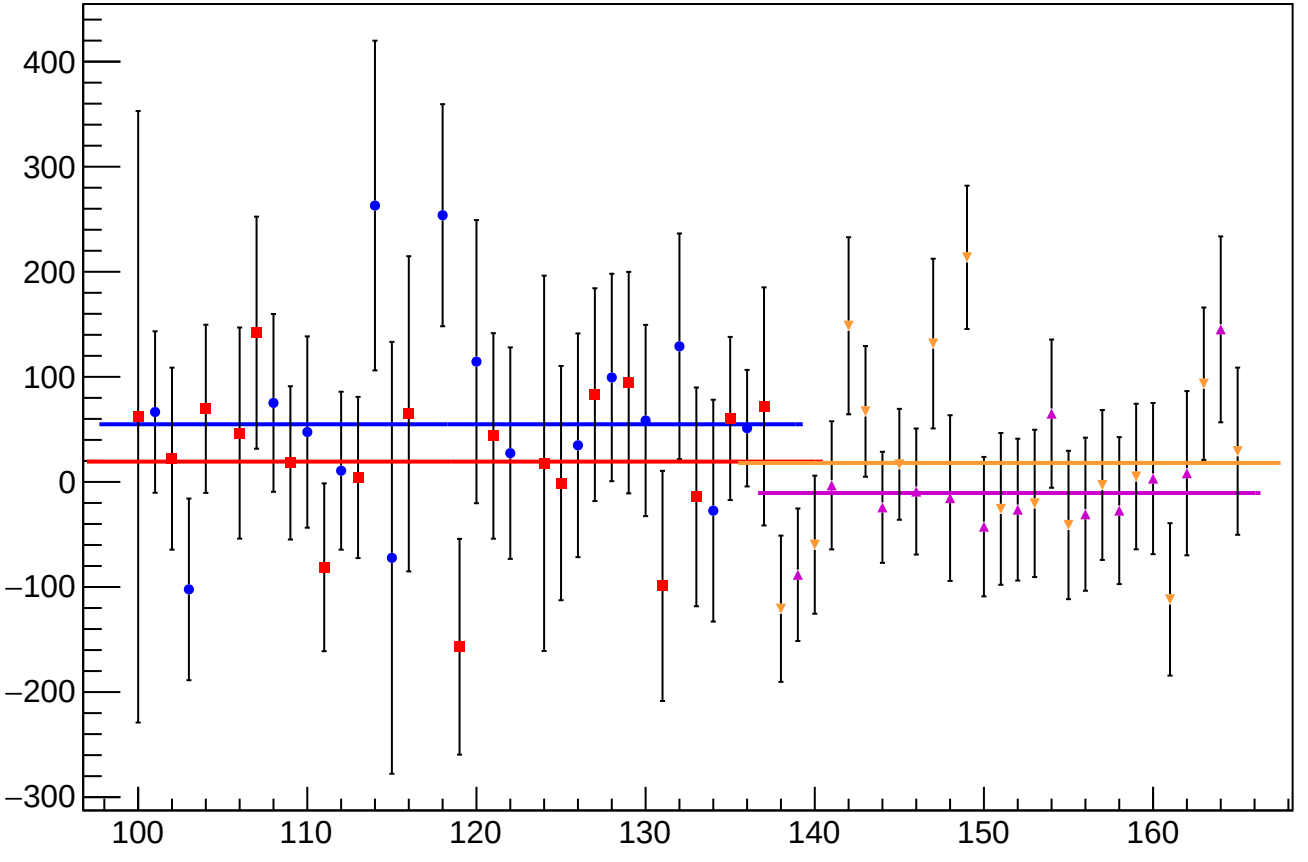
Left In: 355.600+/-0.077 χ^2/NDF:278403.2/12

+ sign 342.892+/-0.058 χ^2/NDF: 2250308.8/30

All: 340.049+/-0.041 χ^2/NDF: 4451828.4/62

- sign 337.204+/-0.058 χ^2/NDF: 2196629.4/31

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 18.066+/-17.948 χ^2/NDF:24.4/14

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

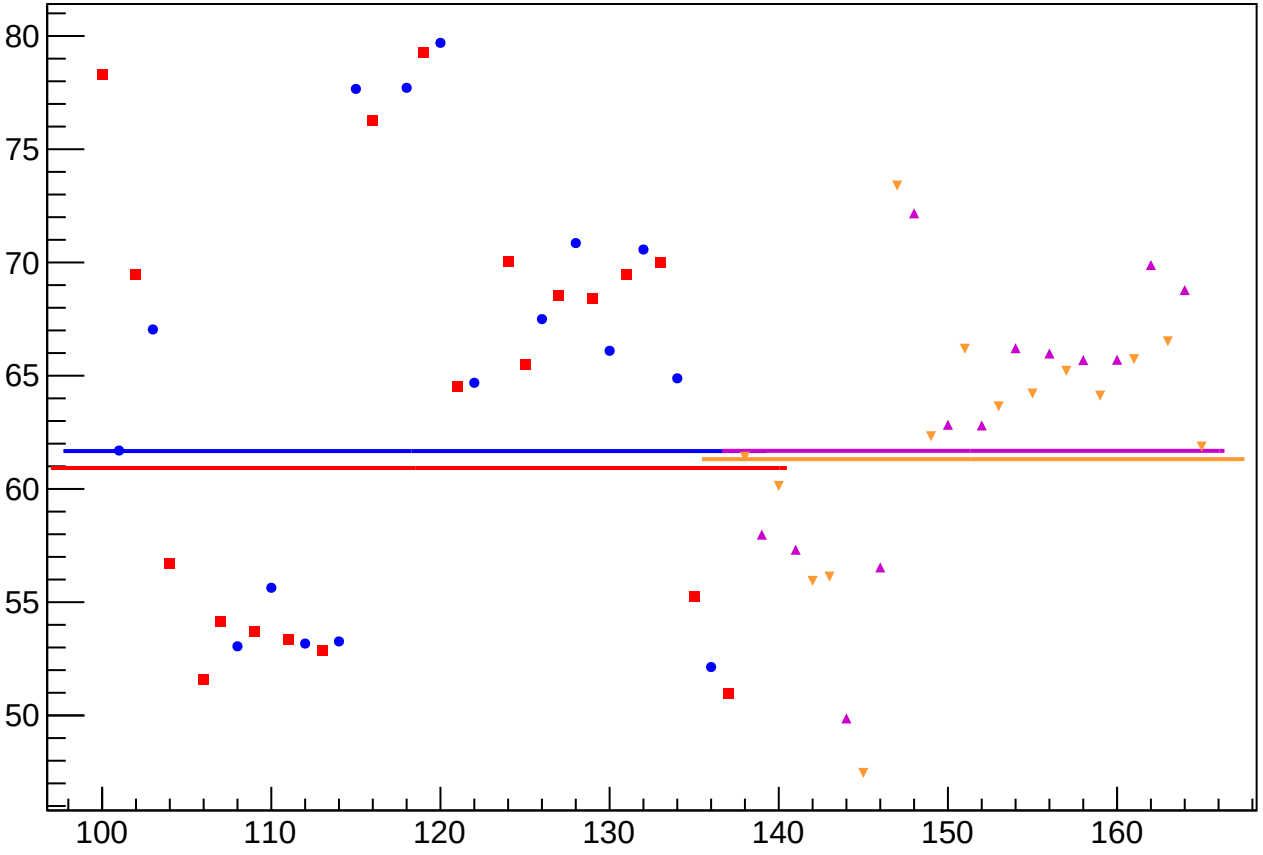
Left In: -10.541+/-18.756 χ^2/NDF:6.4/12

+ sign 31.864+/-14.191 χ^2/NDF: 37.0/30

All: 17.014+/-10.118 χ^2/NDF: 55.8/62

- sign 1.659+/-14.430 χ^2/NDF: 16.6/31

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.316+/-0.013 χ^2/NDF:247495.9/14

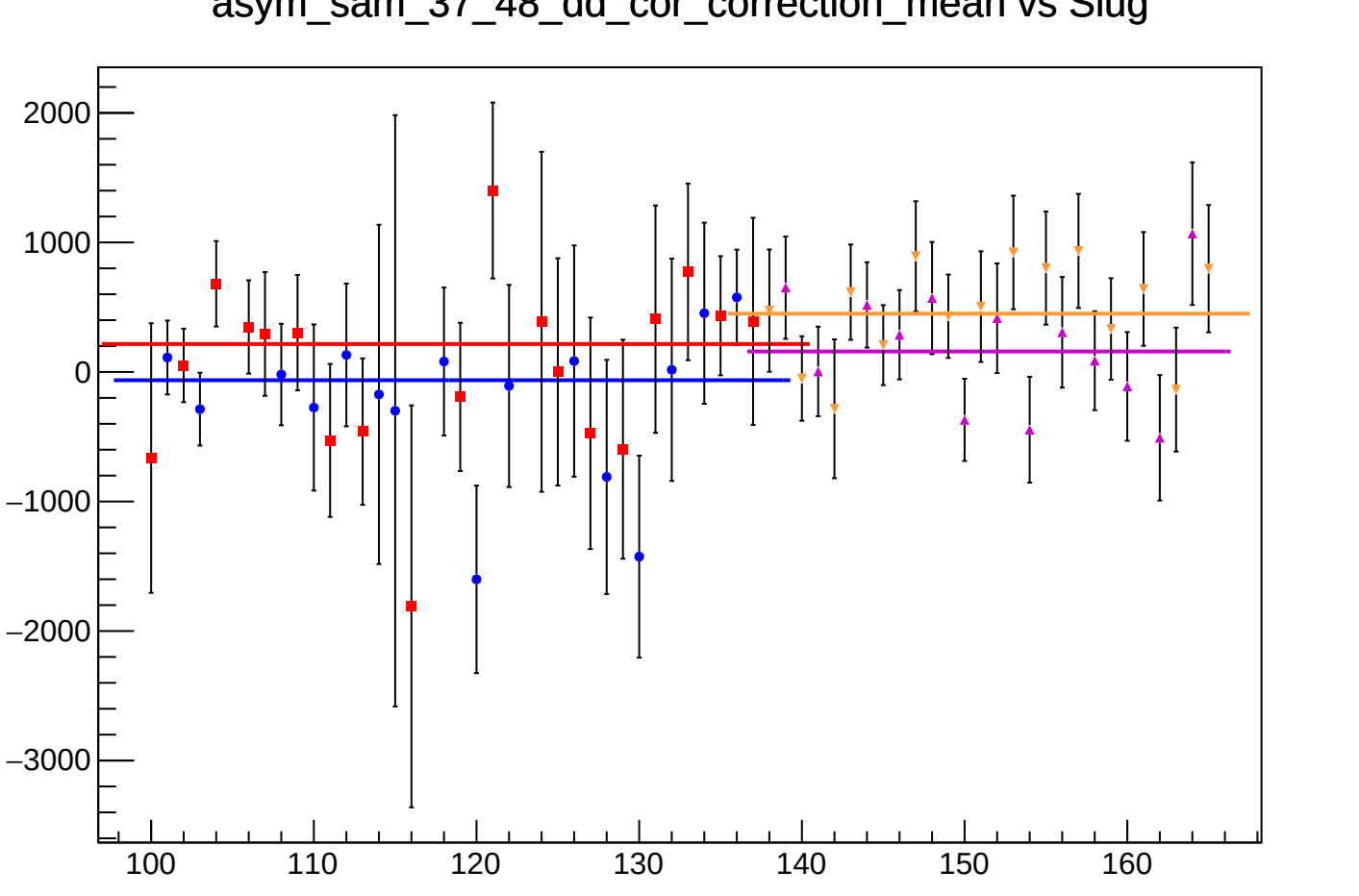
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

+ sign 61.450+/-0.010 χ^2/NDF: 514900.8/30

All: 61.412+/-0.007 χ^2/NDF: 1035191.3/62

- sign 61.374+/-0.010 χ^2/NDF: 520262.3/31



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 450.027+/-104.398 χ^2/NDF:11.5/14

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

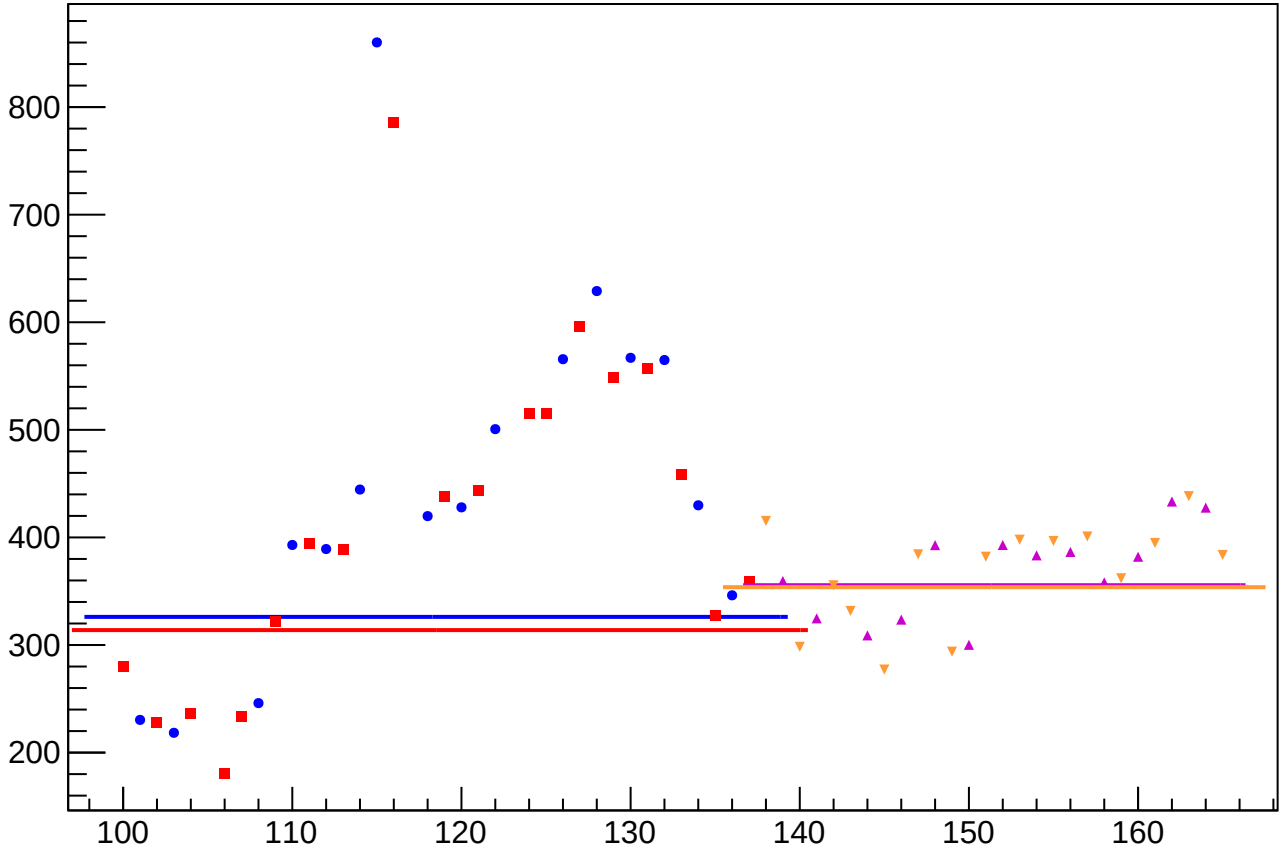
Left In: 158.229+/-108.566 χ^2/NDF:14.5/12

+ sign 247.953+/-81.320 χ^2/NDF: 34.2/30

All: 215.750+/-57.578 χ^2/NDF: 63.2/62

- sign 183.375+/-81.537 χ^2/NDF: 28.7/31

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.744+/-0.074 χ^2/NDF:461352.2/14

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

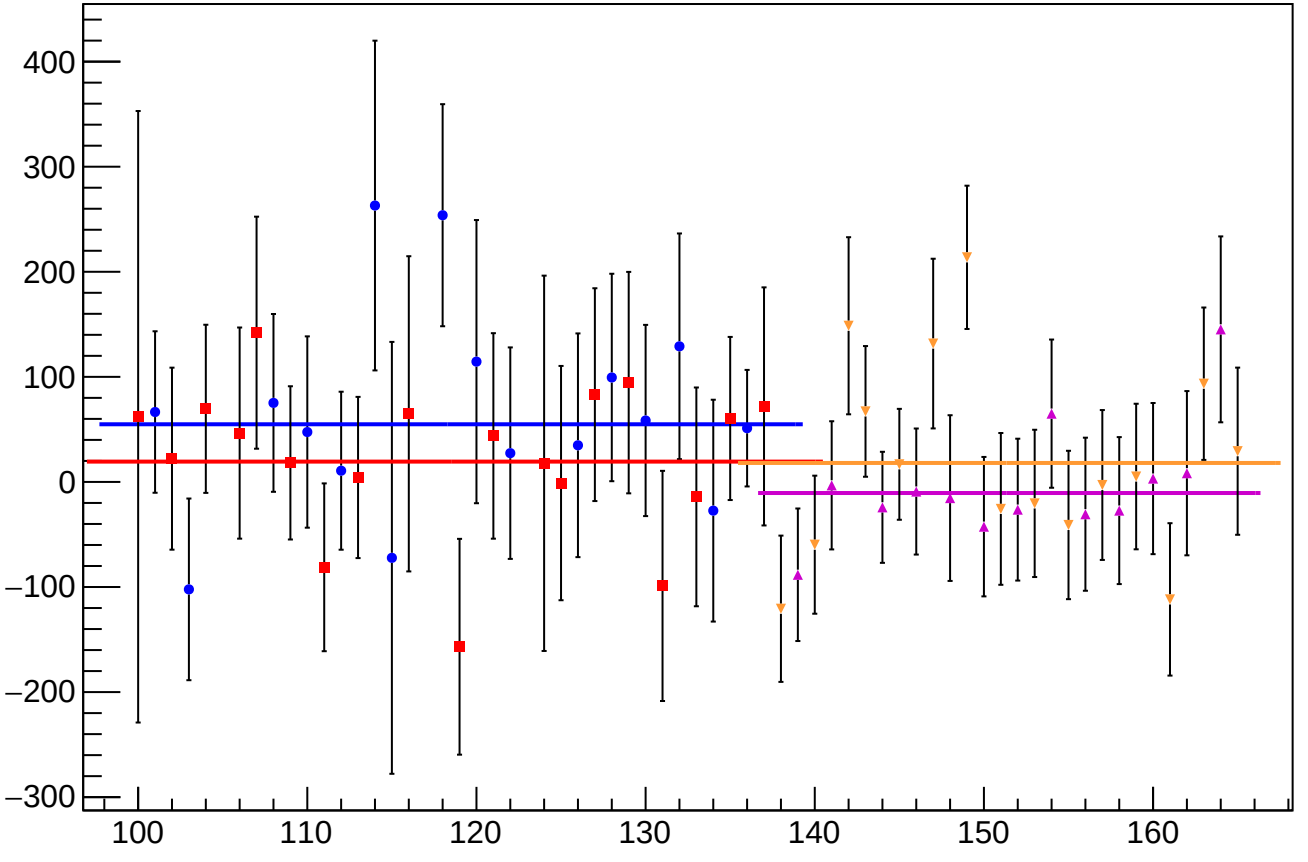
Left In: 355.601+/-0.077 χ^2/NDF:278403.2/12

+ sign 342.893+/-0.058 χ^2/NDF: 2250235.5/30

All: 340.156+/-0.041 χ^2/NDF: 4467838.0/62

- sign 337.404+/-0.058 χ^2/NDF: 2213059.1/31

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 18.066+/-17.948 χ^2/NDF:24.4/14

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

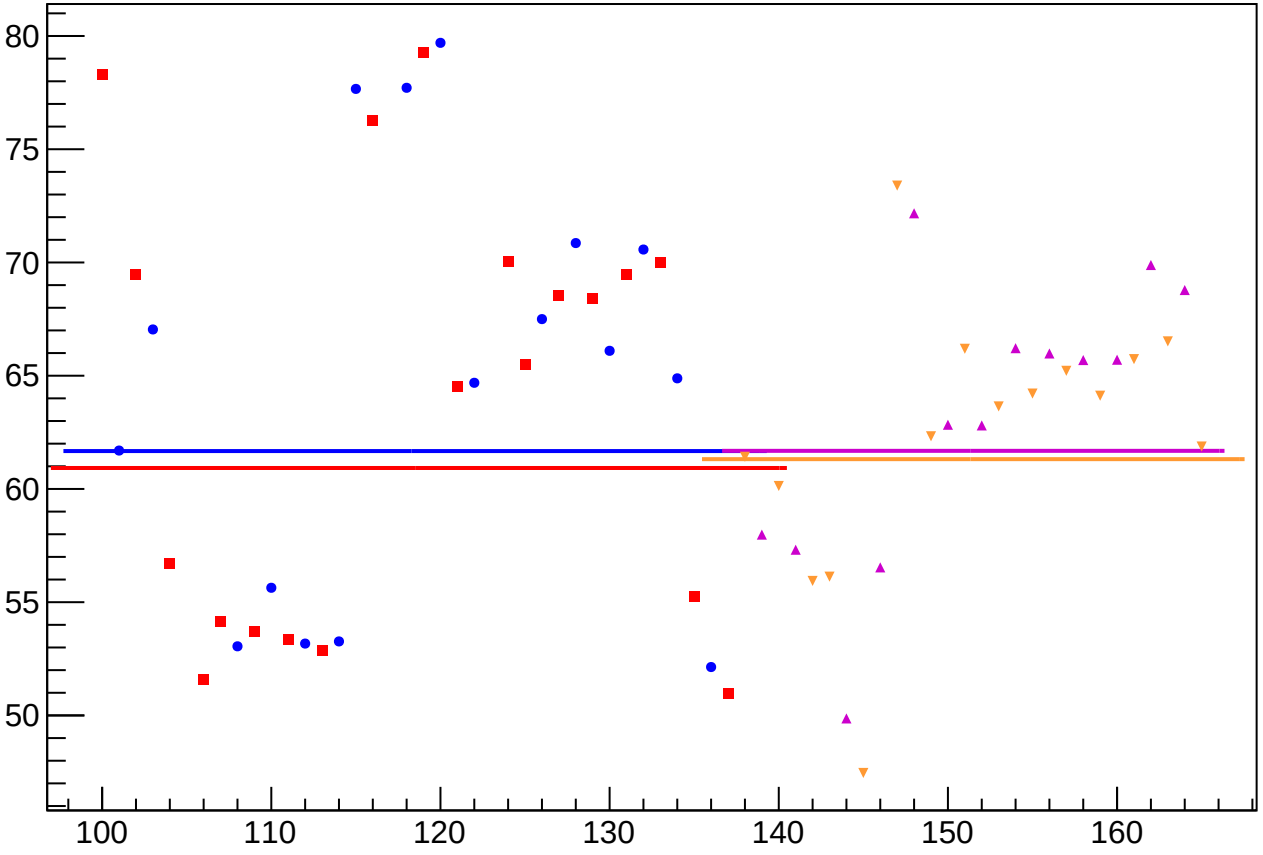
Left In: -10.541+/-18.756 χ^2/NDF:6.4/12

+ sign 31.864+/-14.191 χ^2/NDF: 37.0/30

All: 17.014+/-10.118 χ^2/NDF: 55.8/62

- sign 1.659+/-14.430 χ^2/NDF: 16.6/31

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.316+/-0.013 χ^2/NDF:247495.9/14

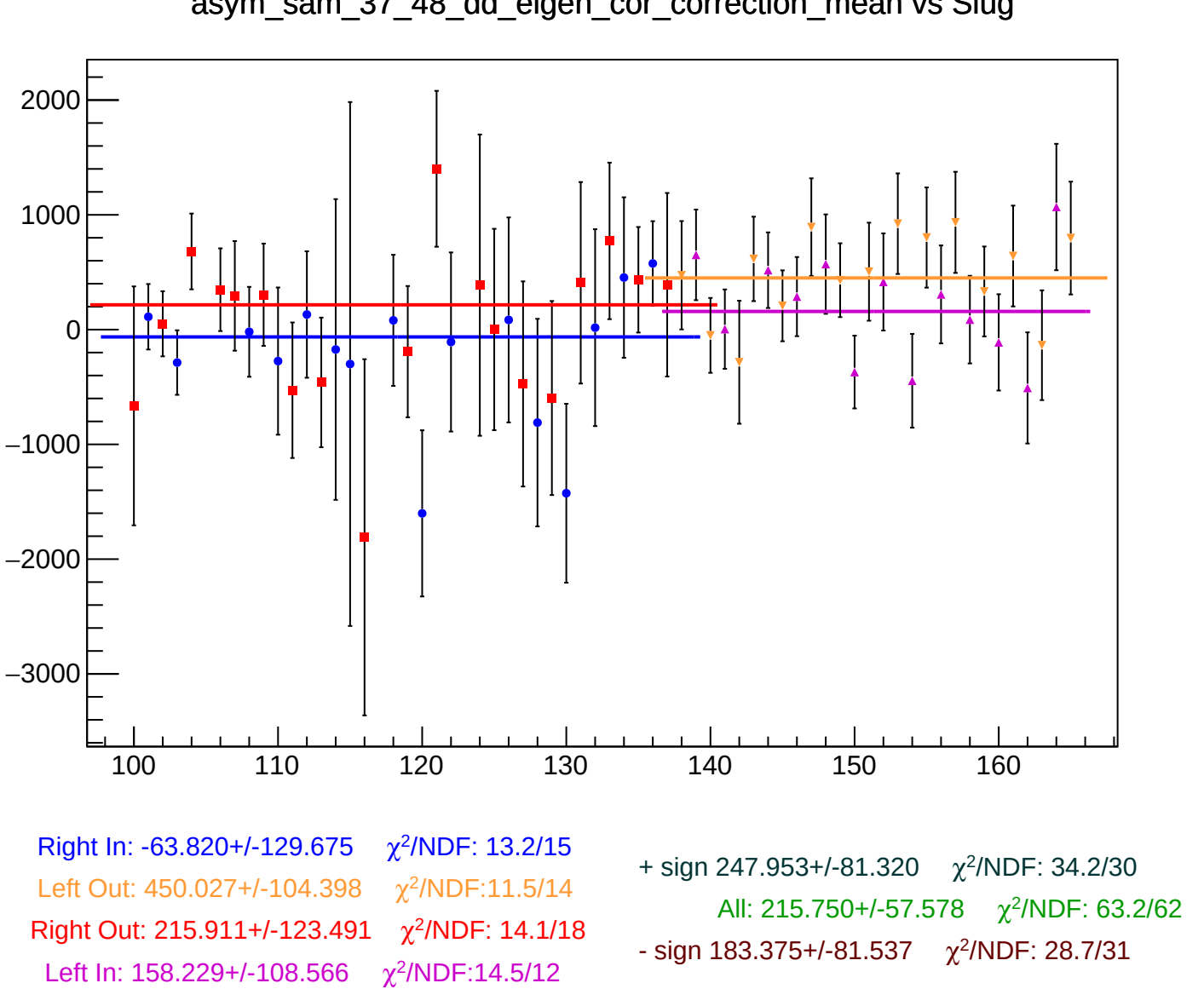
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

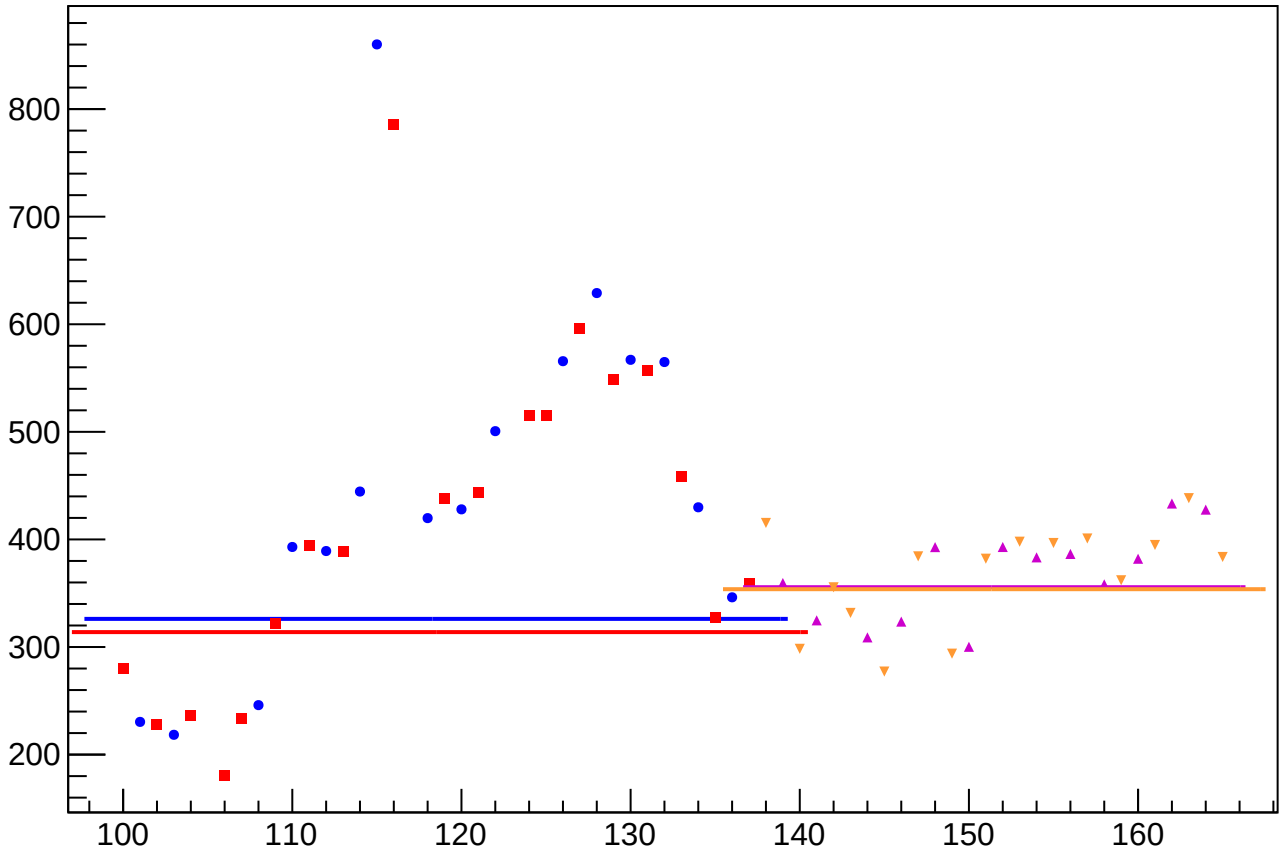
Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

+ sign 61.450+/-0.010 χ^2/NDF: 514900.8/30

All: 61.412+/-0.007 χ^2/NDF: 1035191.3/62

- sign 61.374+/-0.010 χ^2/NDF: 520262.3/31


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 450.027+/-104.398 χ²/NDF:11.5/14
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 158.229+/-108.566 χ²/NDF:14.5/12
+ sign 247.953+/-81.320 χ²/NDF: 34.2/30
All: 215.750+/-57.578 χ²/NDF: 63.2/62
- sign 183.375+/-81.537 χ²/NDF: 28.7/31



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.744+/-0.074 χ^2/NDF:461352.2/14

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

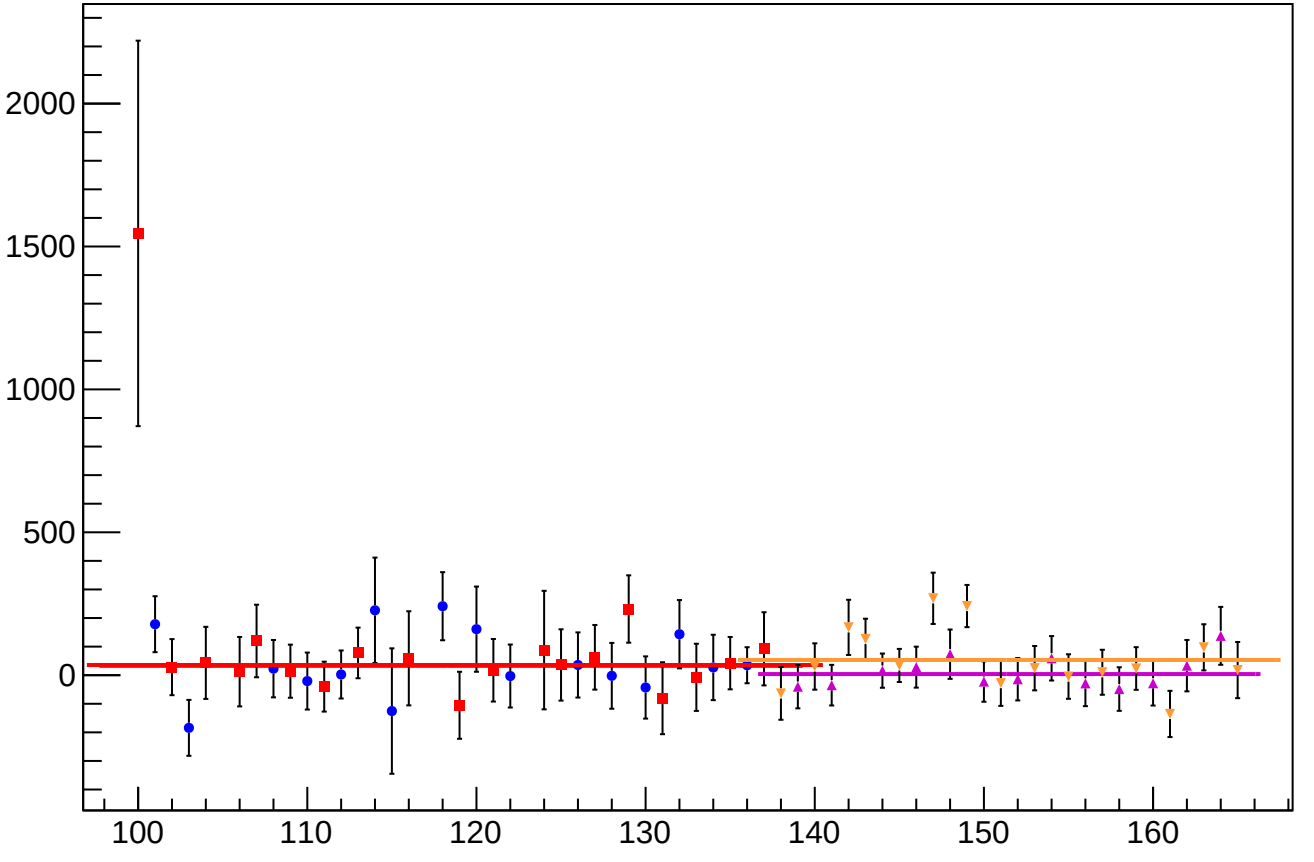
Left In: 355.601+/-0.077 χ^2/NDF:278403.2/12

+ sign 342.893+/-0.058 χ^2/NDF: 2250235.5/30

All: 340.156+/-0.041 χ^2/NDF: 4467838.0/62

- sign 337.404+/-0.058 χ^2/NDF: 2213059.1/31

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 53.312+/-20.324 χ^2/NDF:24.7/14

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

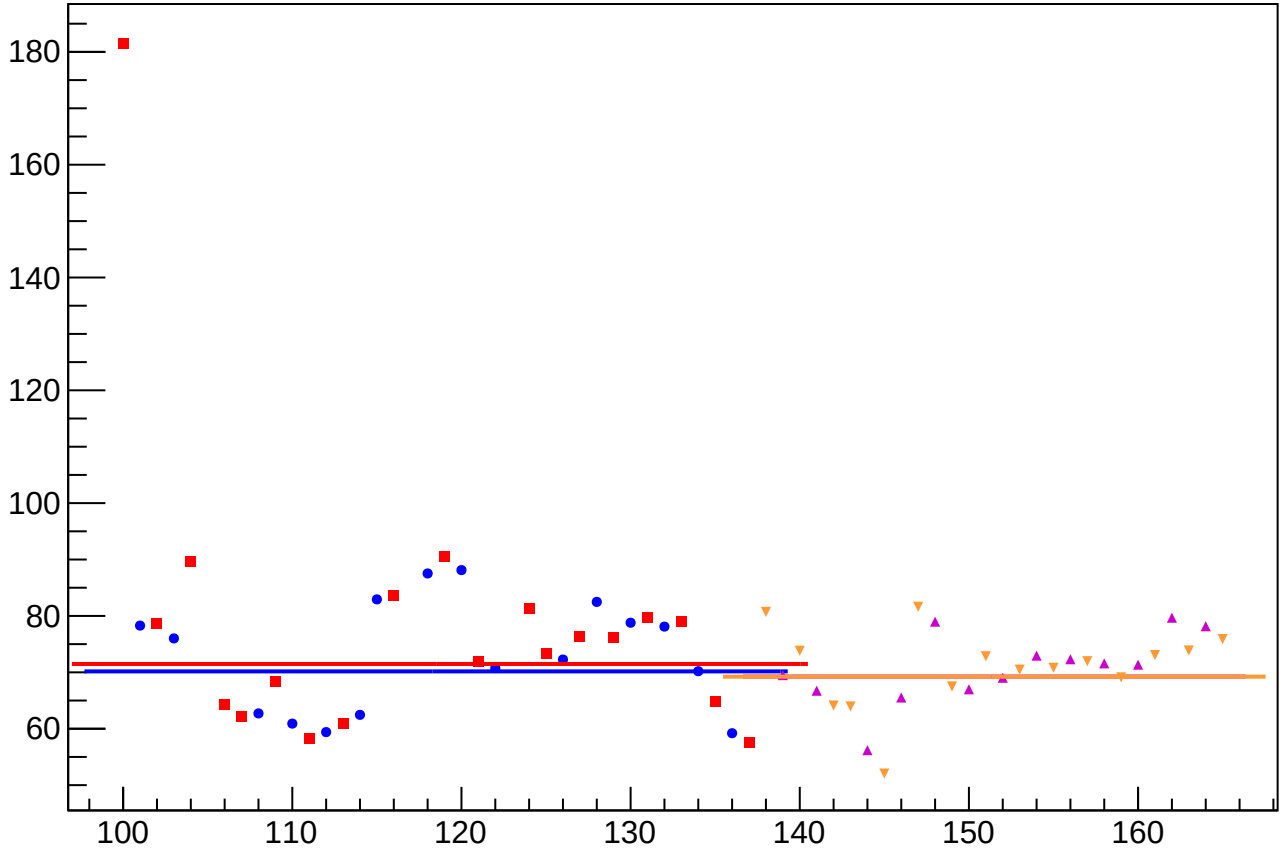
Left In: 3.947+/-21.126 χ^2/NDF:4.8/12

+ sign 45.907+/-16.108 χ^2/NDF: 39.6/30

All: 31.445+/-11.536 χ^2/NDF: 59.0/62

- sign 16.218+/-16.528 χ^2/NDF: 17.8/31

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.229+/-0.014 χ^2/NDF:297624.7/14

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

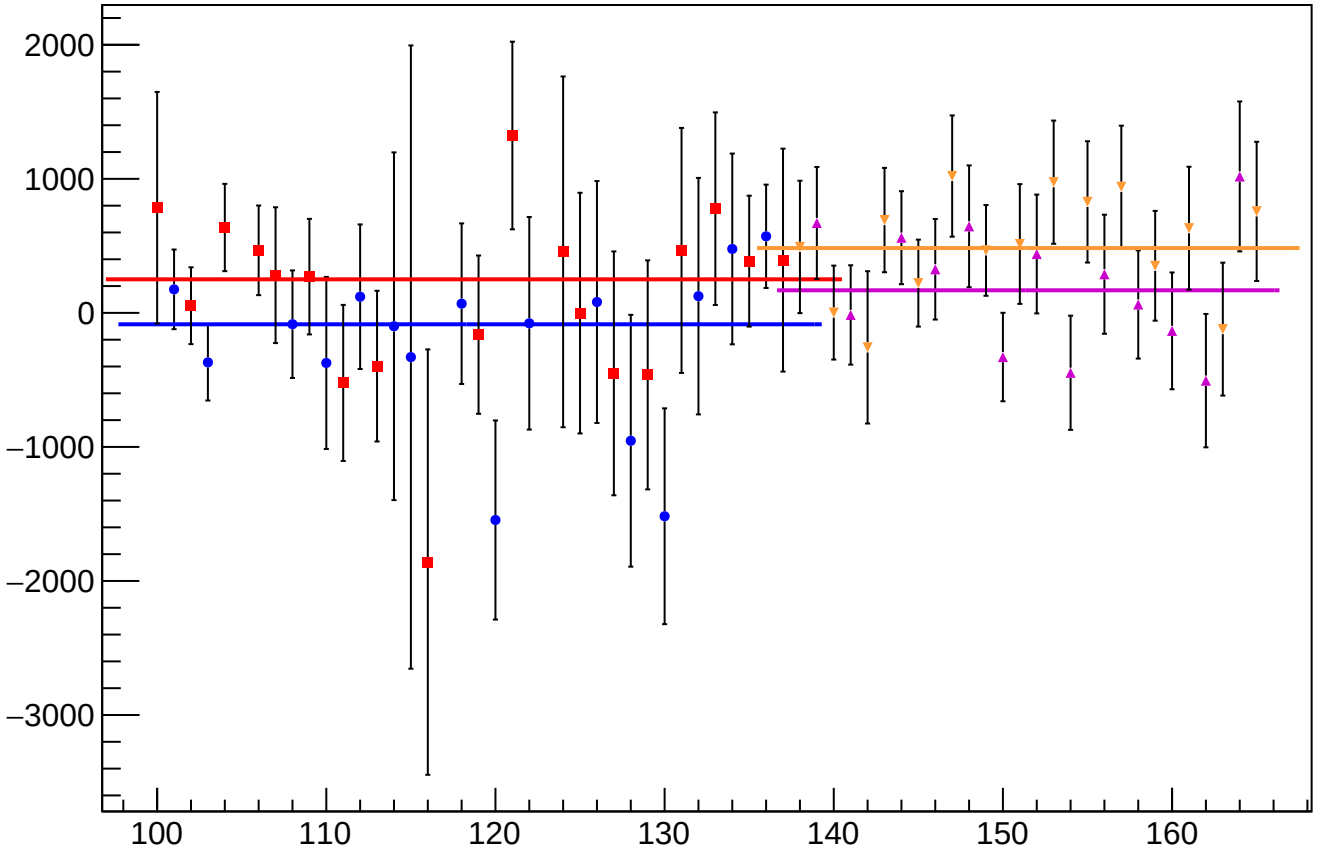
Left In: 69.255+/-0.015 χ^2/NDF:183702.6/12

+ sign 69.578+/-0.011 χ^2/NDF: 568458.3/30

All: 69.842+/-0.008 χ^2/NDF: 1087604.9/62

- sign 70.119+/-0.012 χ^2/NDF: 518046.5/31

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 483.771+/-109.769 χ^2/NDF:10.6/14

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

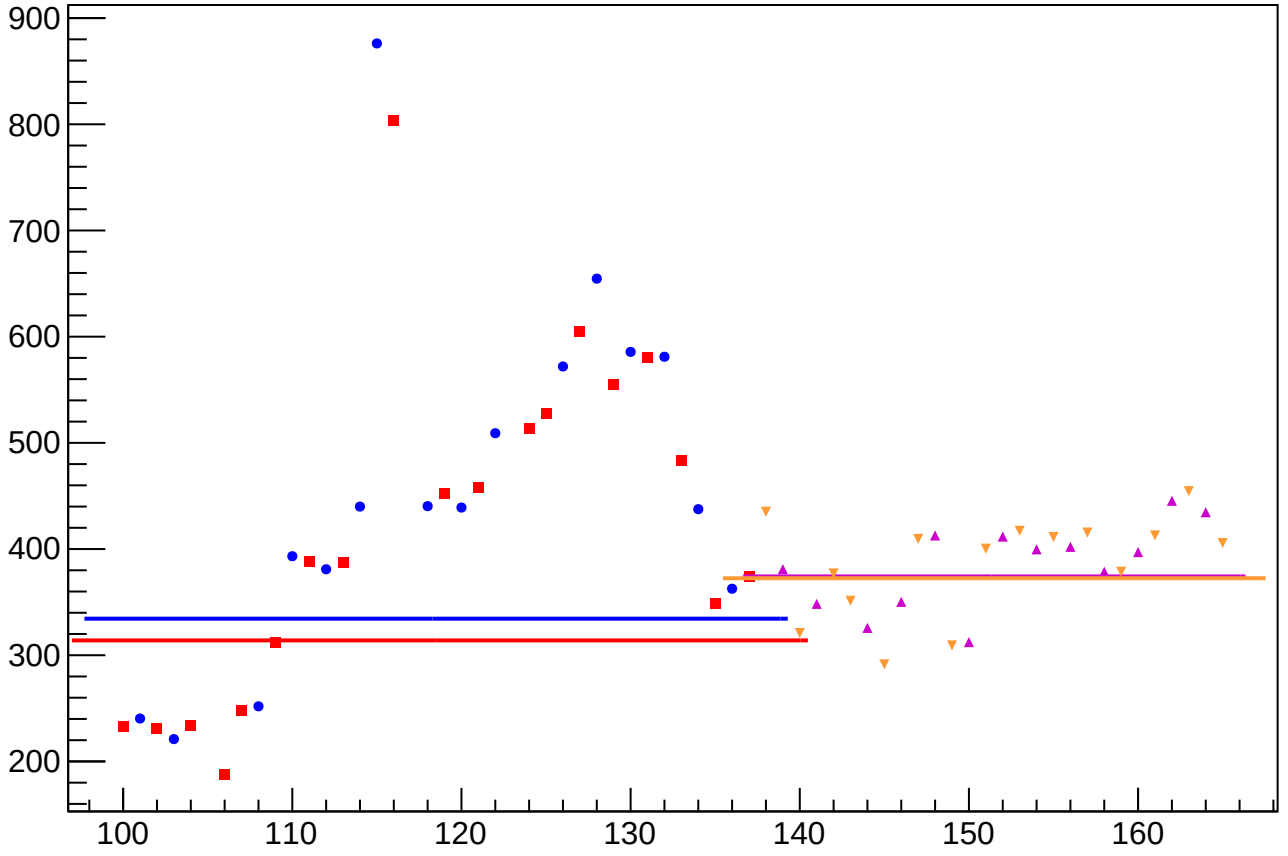
Left In: 168.479+/-114.131 χ^2/NDF:13.8/12

+ sign 252.990+/-84.627 χ^2/NDF: 35.2/30

All: 229.403+/-59.531 χ^2/NDF: 61.9/62

- sign 206.299+/-83.758 χ^2/NDF: 26.5/31

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 372.509+/-0.078 χ^2/NDF:427972.3/14

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

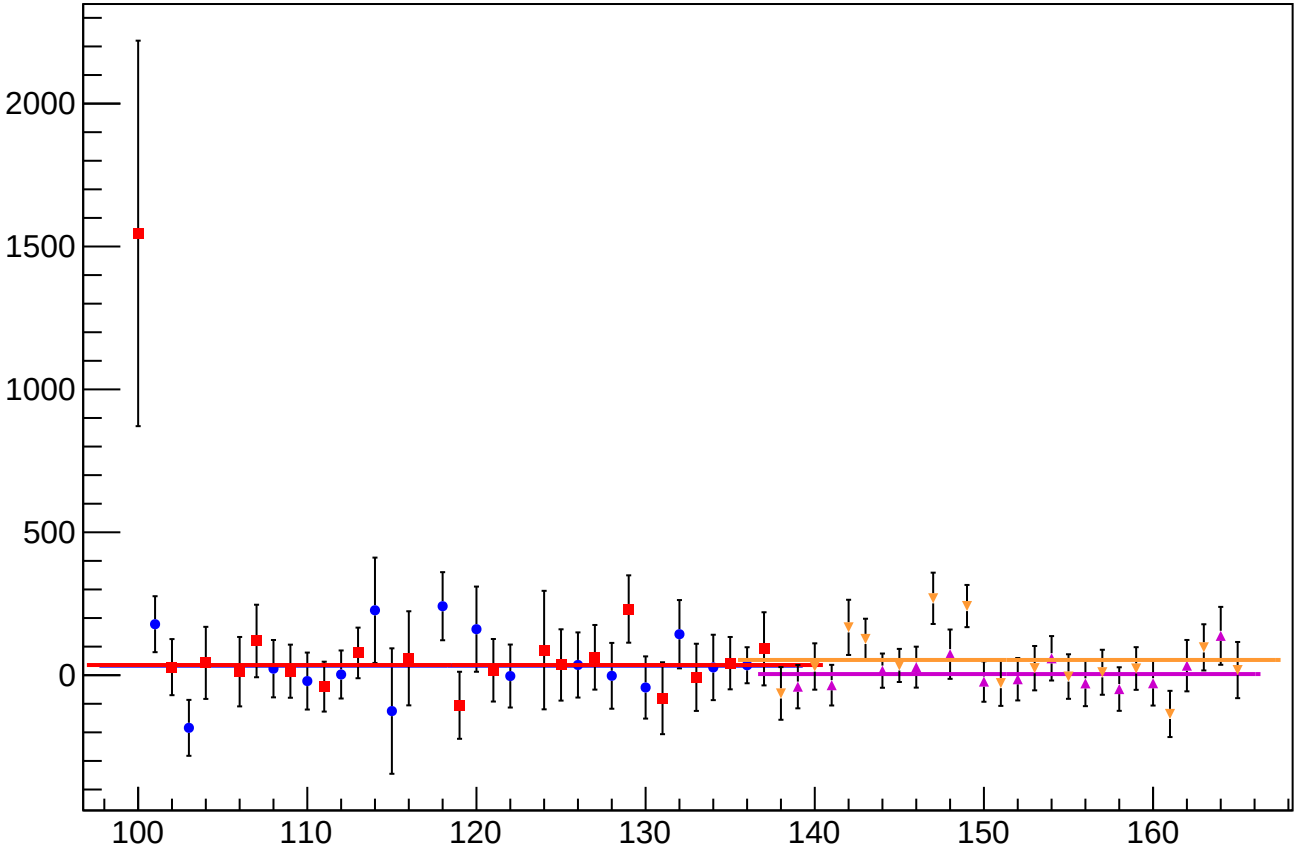
Left In: 374.217+/-0.081 χ^2/NDF:241666.3/12

+ sign 357.064+/-0.060 χ^2/NDF: 2256202.9/30

All: 351.685+/-0.042 χ^2/NDF: 4675613.1/62

- sign 346.417+/-0.059 χ^2/NDF: 2403420.9/31

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 53.312+/-20.324 χ^2/NDF:24.7/14

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

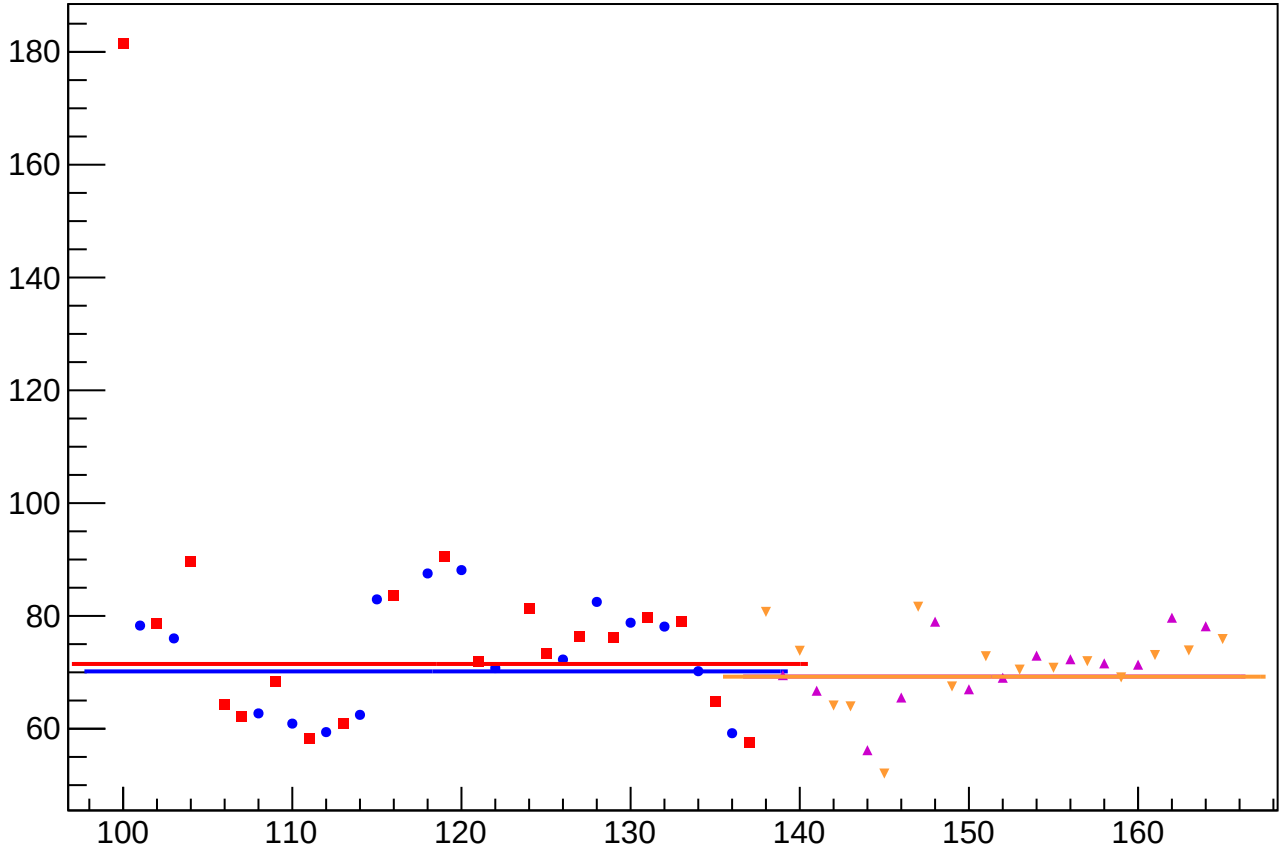
Left In: 3.947+/-21.126 χ^2/NDF:4.8/12

+ sign 45.907+/-16.108 χ^2/NDF: 39.6/30

All: 31.444+/-11.536 χ^2/NDF: 59.0/62

- sign 16.218+/-16.528 χ^2/NDF: 17.8/31

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.229+/-0.014 χ^2/NDF:297630.9/14

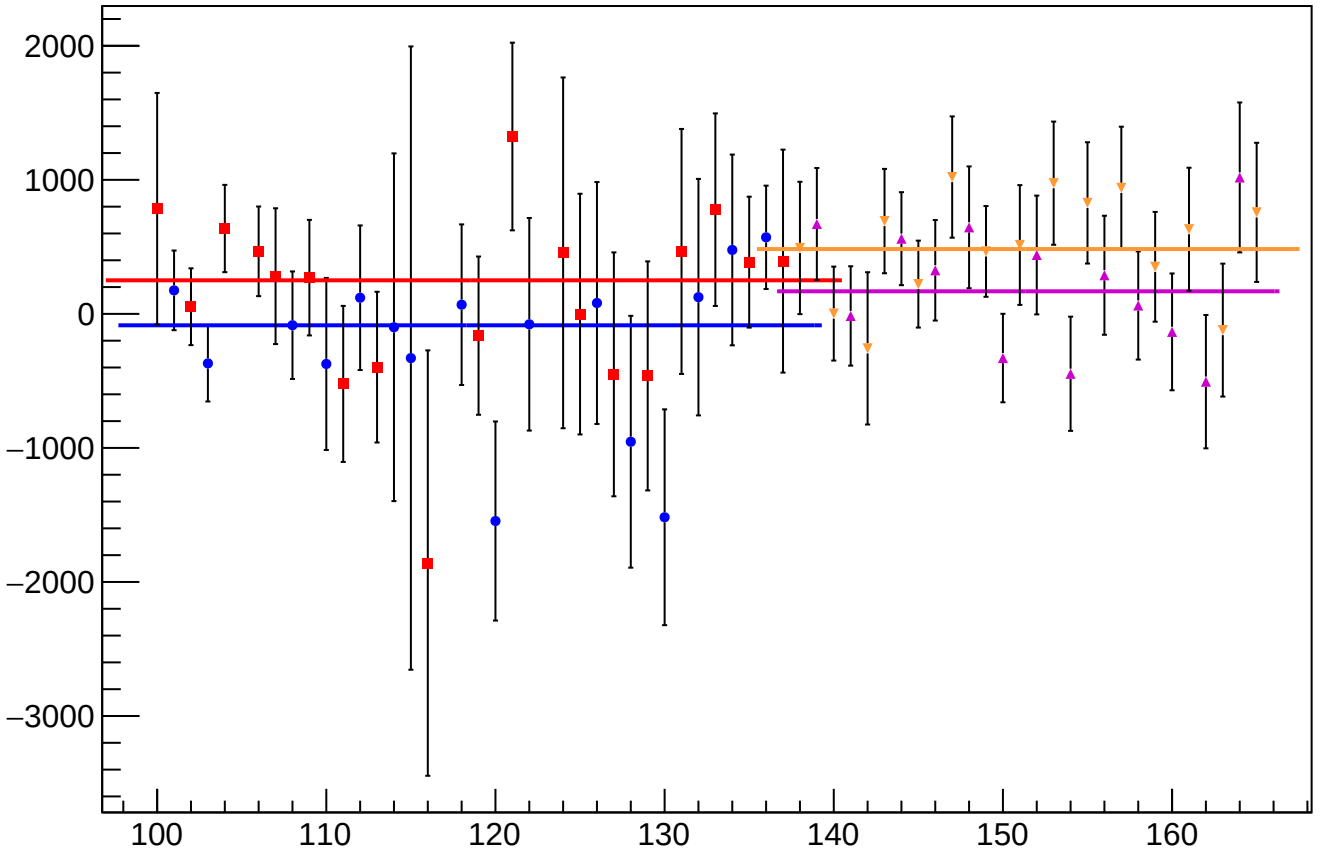
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.255+/-0.015 χ^2/NDF:183704.7/12

+ sign 69.578+/-0.011 χ^2/NDF: 568467.9/30

All: 69.842+/-0.008 χ^2/NDF: 1087623.7/62

- sign 70.119+/-0.012 χ^2/NDF: 518055.7/31



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 483.770+/-109.769 χ^2/NDF:10.6/14

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

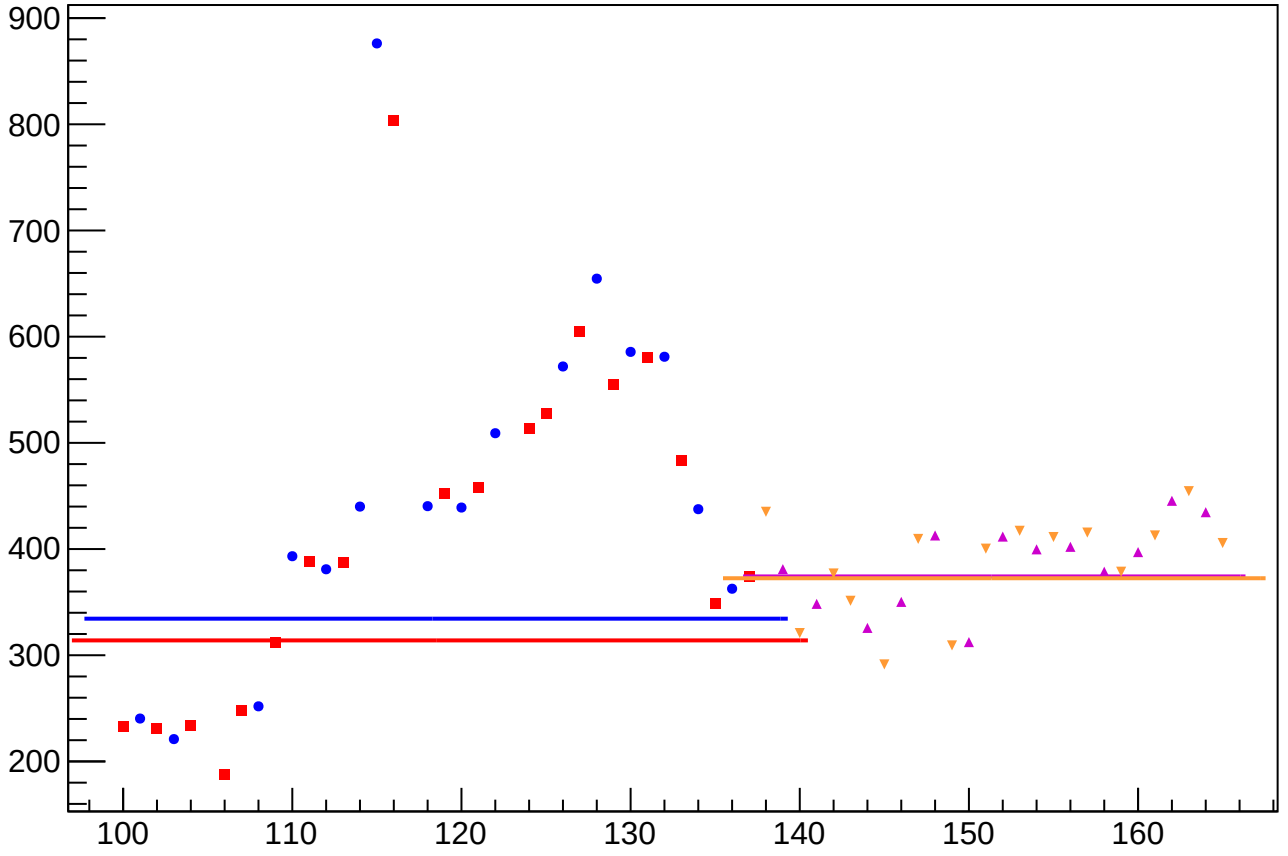
Left In: 168.479+/-114.131 χ^2/NDF:13.8/12

+ sign 252.989+/-84.627 χ^2/NDF: 35.2/30

All: 229.403+/-59.531 χ^2/NDF: 61.9/62

- sign 206.299+/-83.758 χ^2/NDF: 26.5/31

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: 372.509+/-0.078 χ^2/NDF:427976.4/14

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

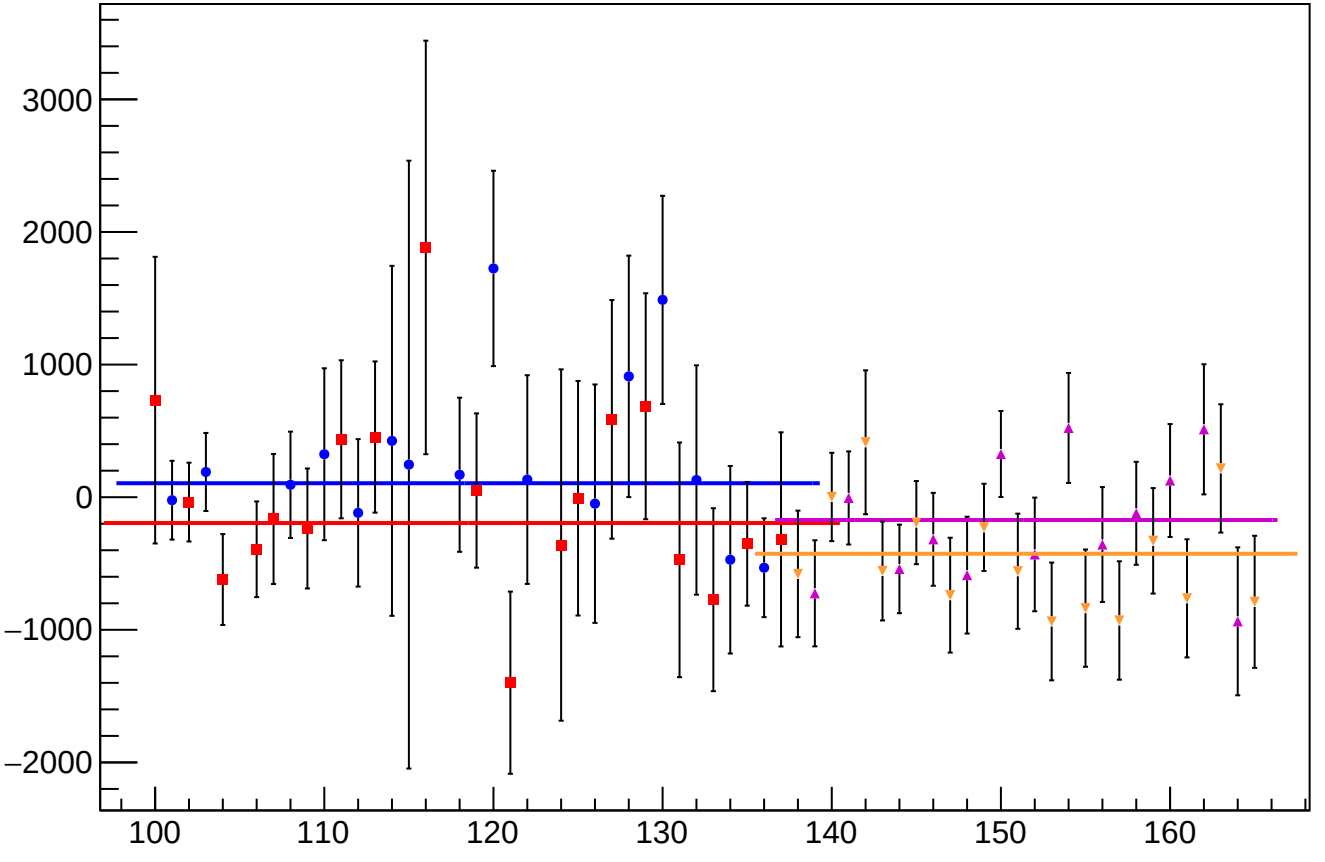
Left In: 374.217+/-0.081 χ^2/NDF:241666.1/12

+ sign 357.064+/-0.060 χ^2/NDF: 2256204.4/30

All: 351.685+/-0.042 χ^2/NDF: 4675613.0/62

- sign 346.417+/-0.059 χ^2/NDF: 2403419.4/31

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -426.664+/-106.040 χ^2/NDF:12.2/14

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

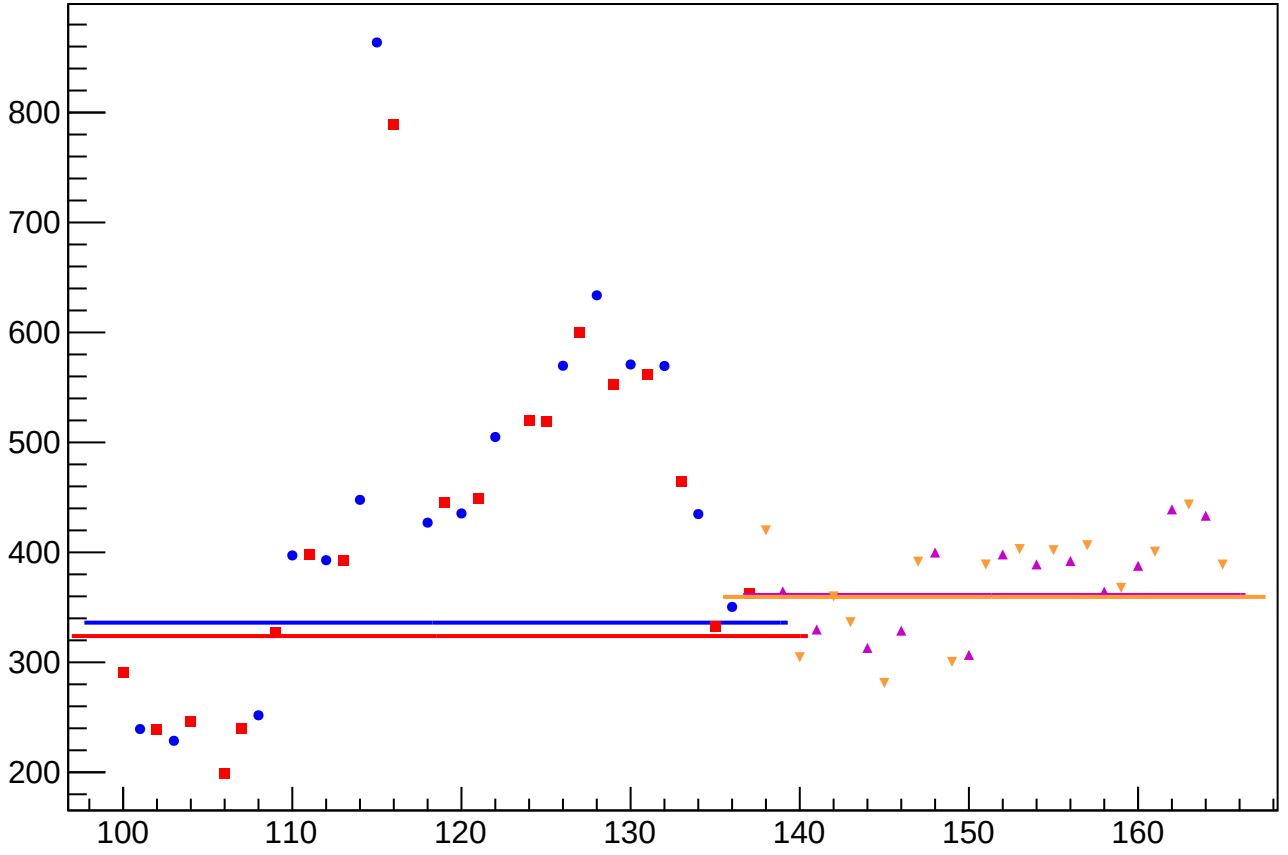
Left In: -172.084+/-110.258 χ^2/NDF:14.5/12

+ sign -219.978+/-82.924 χ^2/NDF: 34.9/30

All: -200.954+/-58.674 χ^2/NDF: 62.7/62

- sign -181.880+/-83.032 χ^2/NDF: 27.6/31

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 359.490+/-0.075 χ^2/NDF:448311.1/14

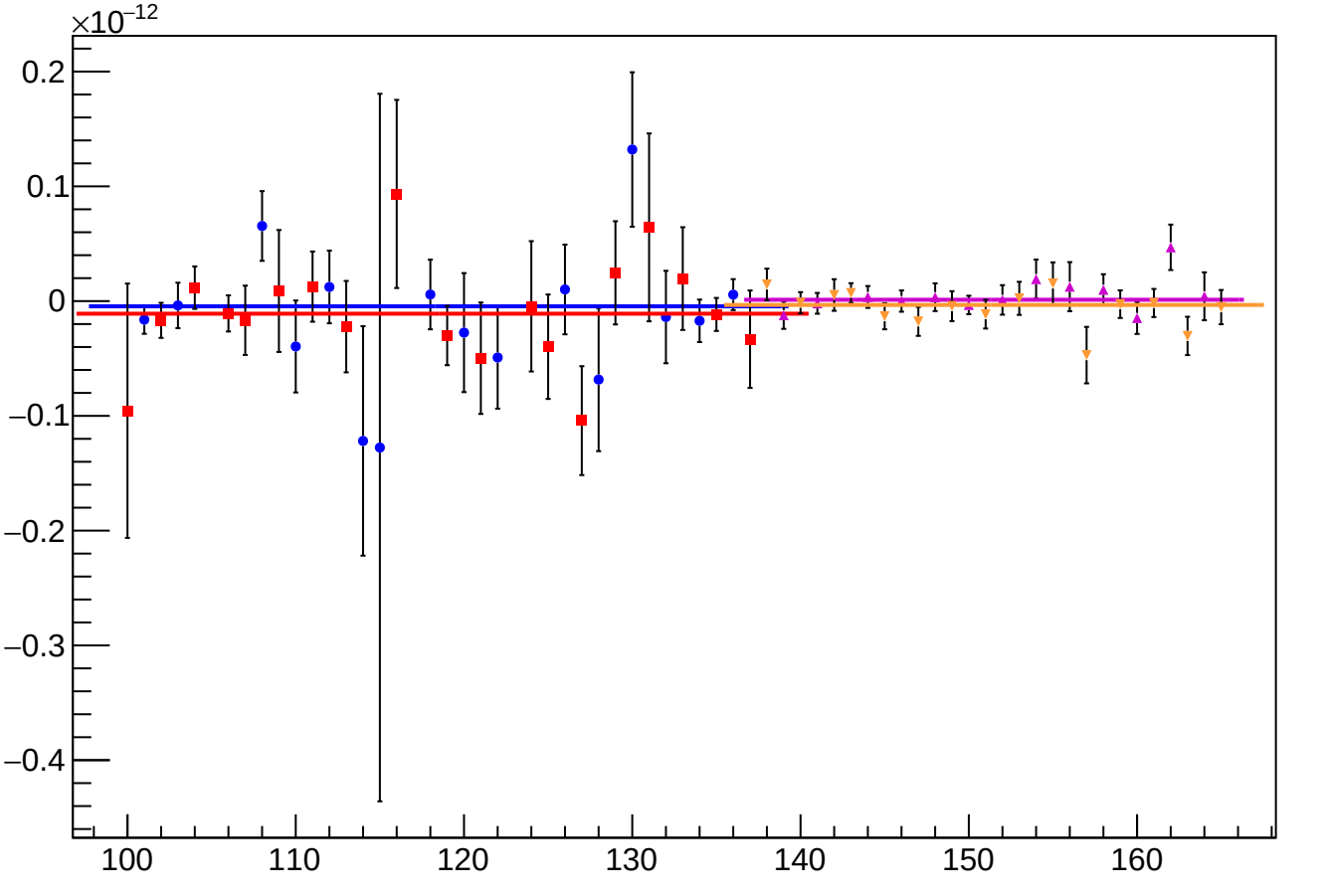
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 361.255+/-0.078 χ^2/NDF:272418.9/12

+ sign 350.400+/-0.059 χ^2/NDF: 2105134.7/30

All: 347.743+/-0.041 χ^2/NDF: 4146543.7/62

- sign 345.078+/-0.059 χ^2/NDF: 2037294.5/31



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/14

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

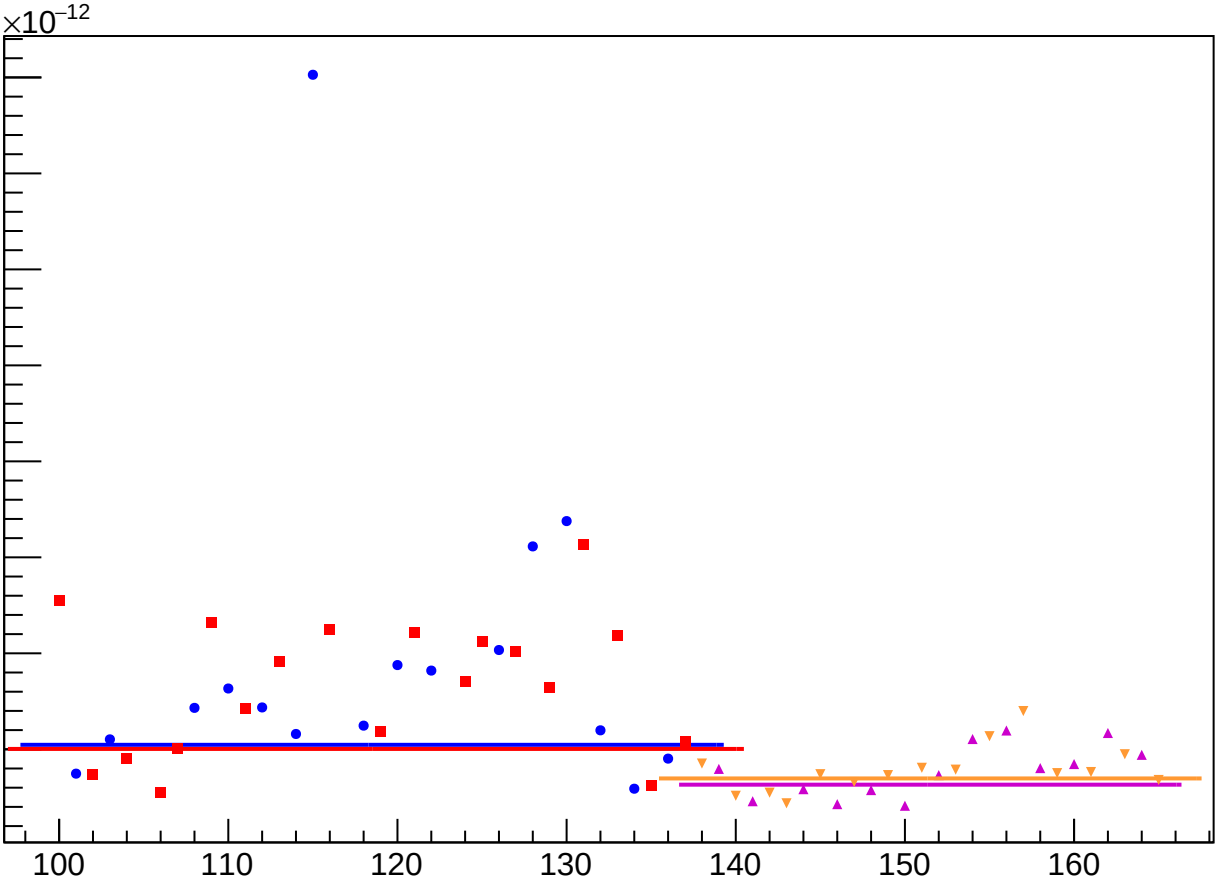
Left In: 0.000+/-0.000 χ^2/NDF:10.3/12

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/30

All: -0.000+/-0.000 χ^2/NDF: 55.4/62

- sign -0.000+/-0.000 χ^2/NDF: 25.5/31

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:670224.5/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

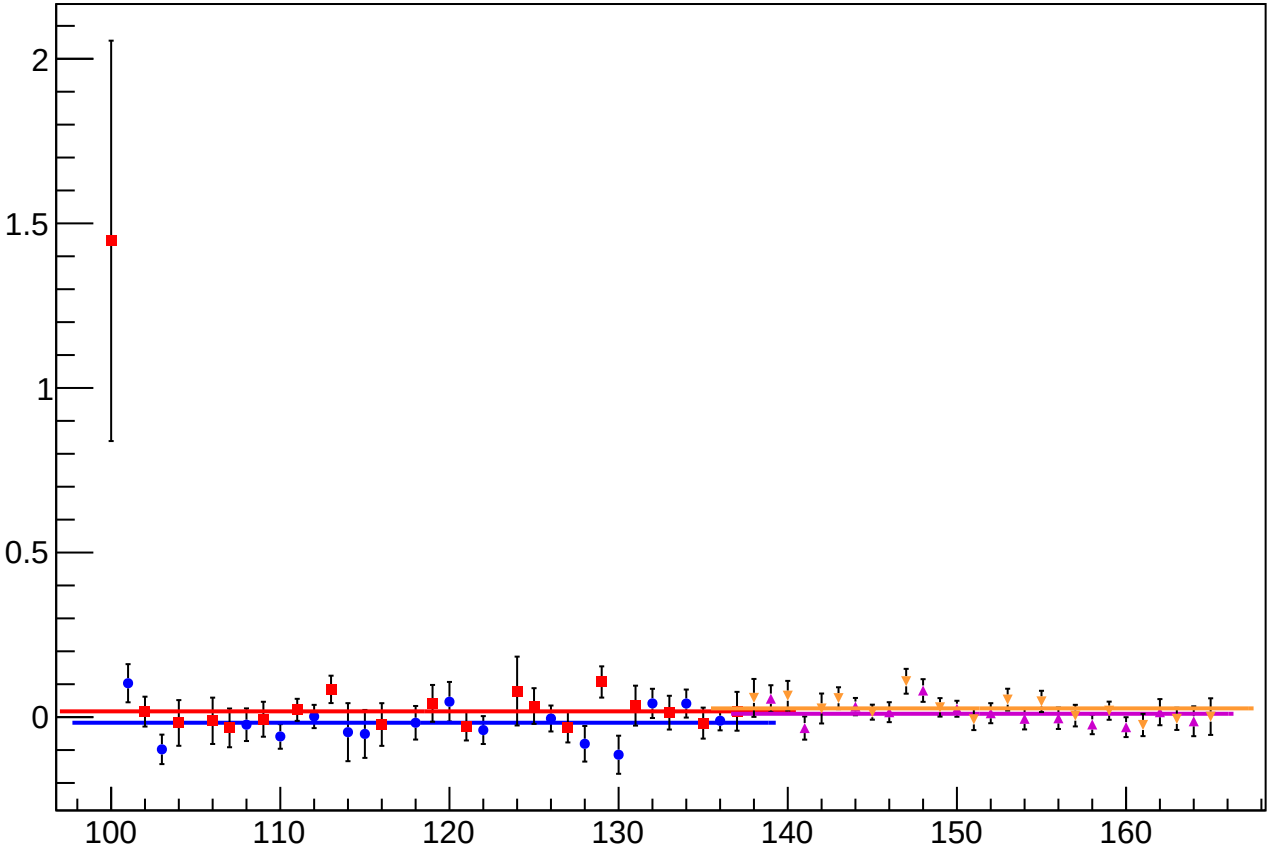
Left In: 0.000+/-0.000 χ^2/NDF:945527.2/12

+ sign 0.000+/-0.000 χ^2/NDF: 2323563.0/30

All: 0.000+/-0.000 χ^2/NDF: 5257908.9/62

- sign 0.000+/-0.000 χ^2/NDF: 2894171.3/31

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: 0.027+/-0.009 χ^2/NDF:12.9/14

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

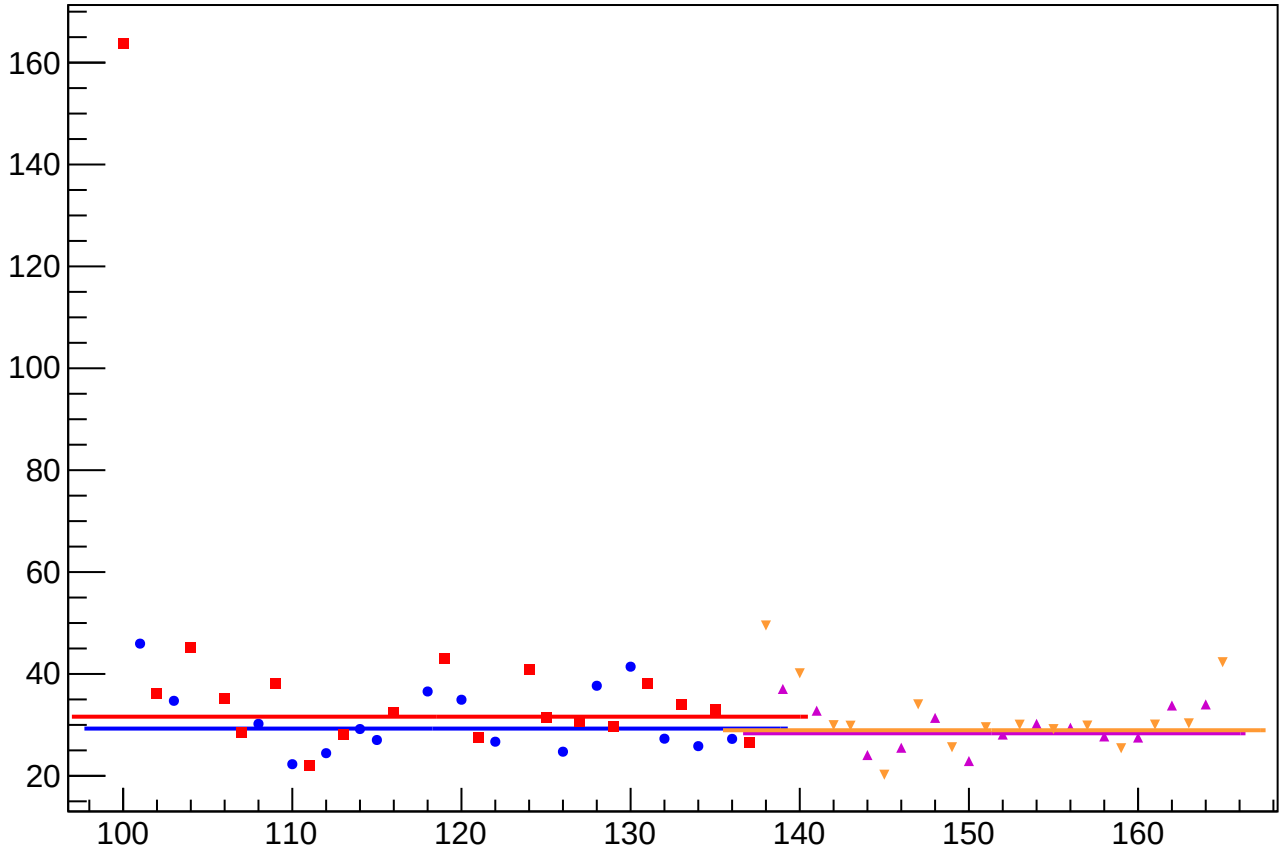
Left In: 0.010+/-0.009 χ^2/NDF:11.8/12

+ sign 0.010+/-0.007 χ^2/NDF: 41.0/30

All: 0.012+/-0.005 χ^2/NDF: 69.9/62

- sign 0.013+/-0.007 χ^2/NDF: 28.8/31

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: 28.951+/-0.006 χ^2/NDF:895985.2/14

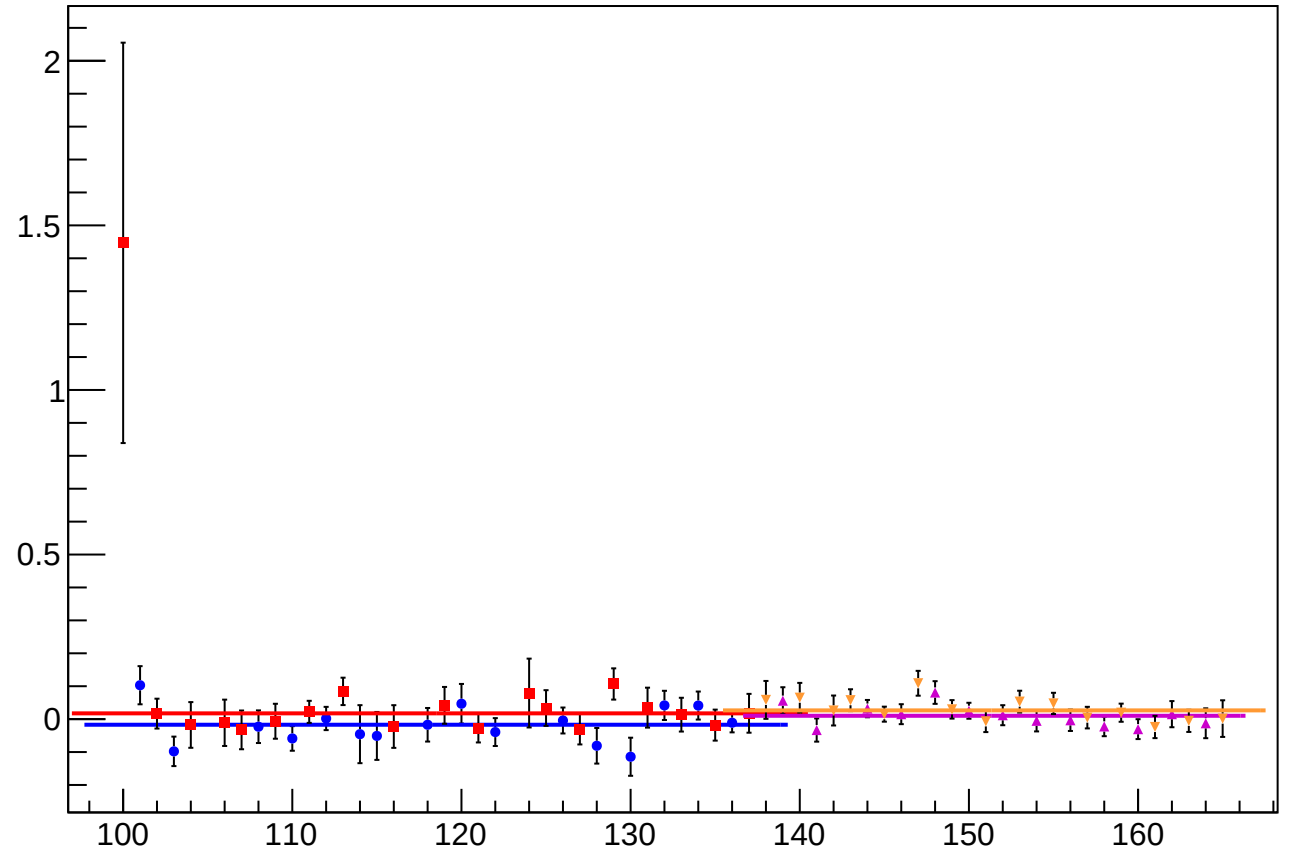
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.352+/-0.006 χ^2/NDF:389317.8/12

+ sign 29.073+/-0.005 χ^2/NDF: 1457685.6/30

All: 29.272+/-0.004 χ^2/NDF: 2517430.2/62

- sign 29.486+/-0.005 χ^2/NDF: 1056276.9/31



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

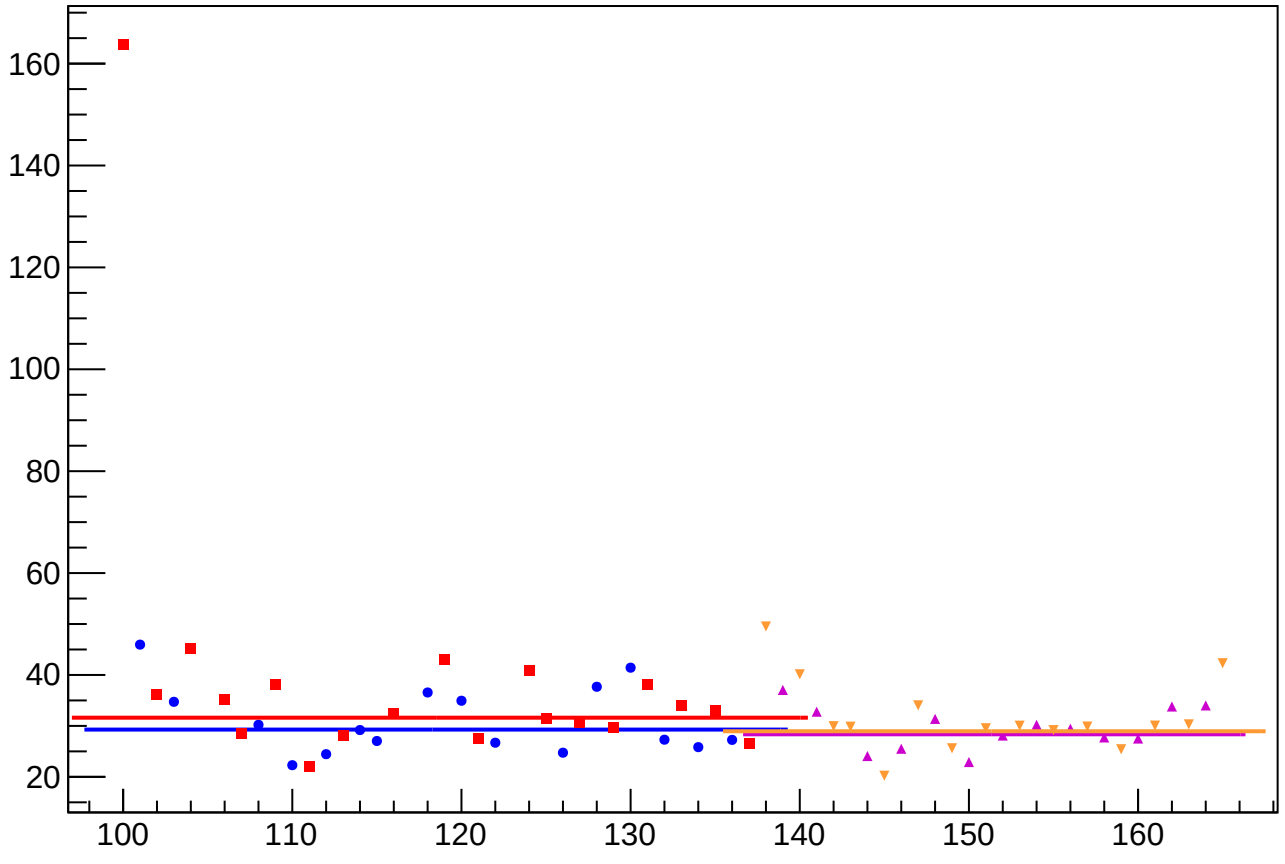
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.009 χ^2/NDF:11.8/12

+ sign 0.010+/-0.007 χ^2/NDF: 41.0/30

All: 0.012+/-0.005 χ^2/NDF: 69.9/62

- sign 0.013+/-0.007 χ^2/NDF: 28.8/31



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.951+/-0.006 χ^2/NDF:895985.2/14

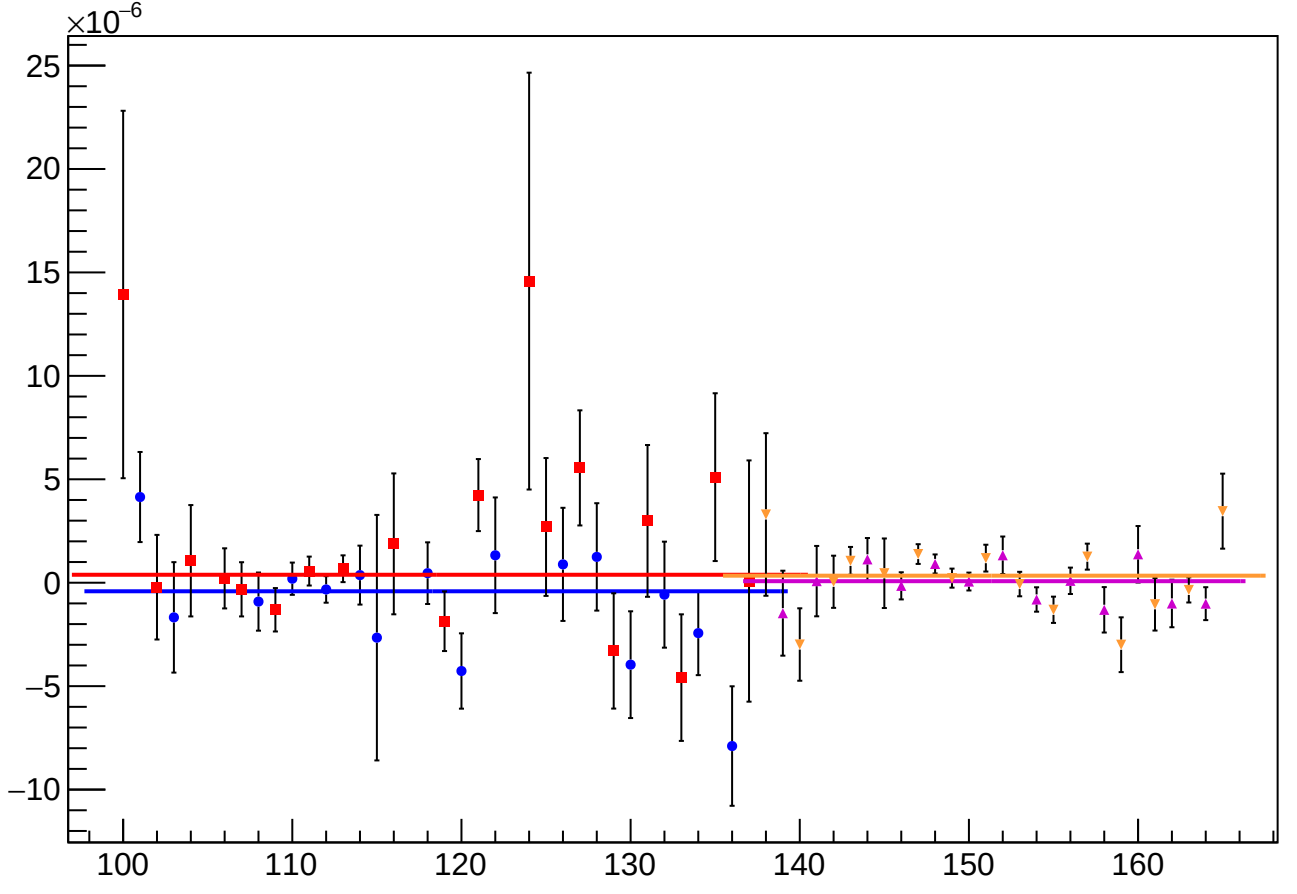
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.352+/-0.006 χ^2/NDF:389317.8/12

+ sign 29.073+/-0.005 χ^2/NDF: 1457685.6/30

All: 29.272+/-0.004 χ^2/NDF: 2517430.2/62

- sign 29.486+/-0.005 χ^2/NDF: 1056276.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.1/14

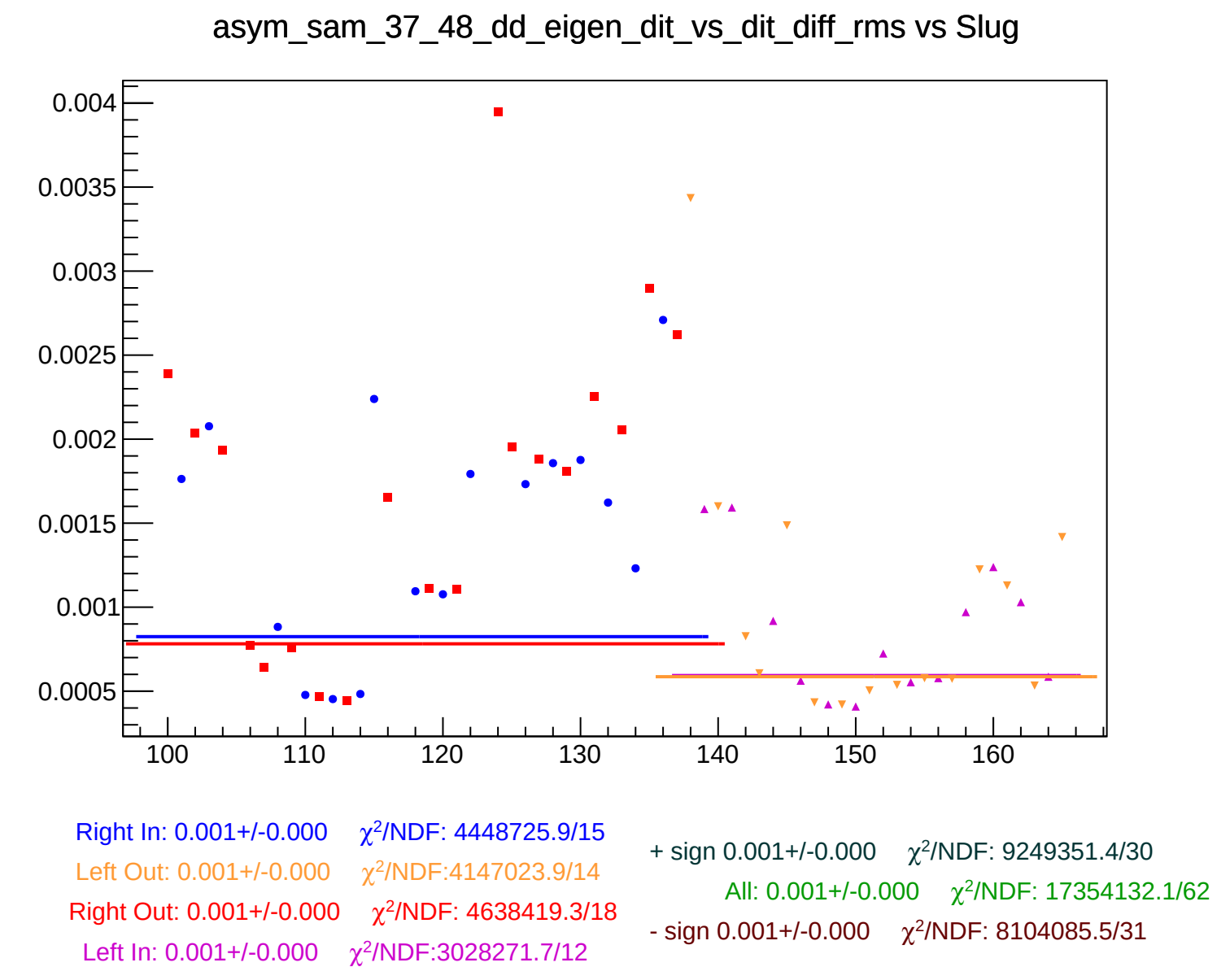
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

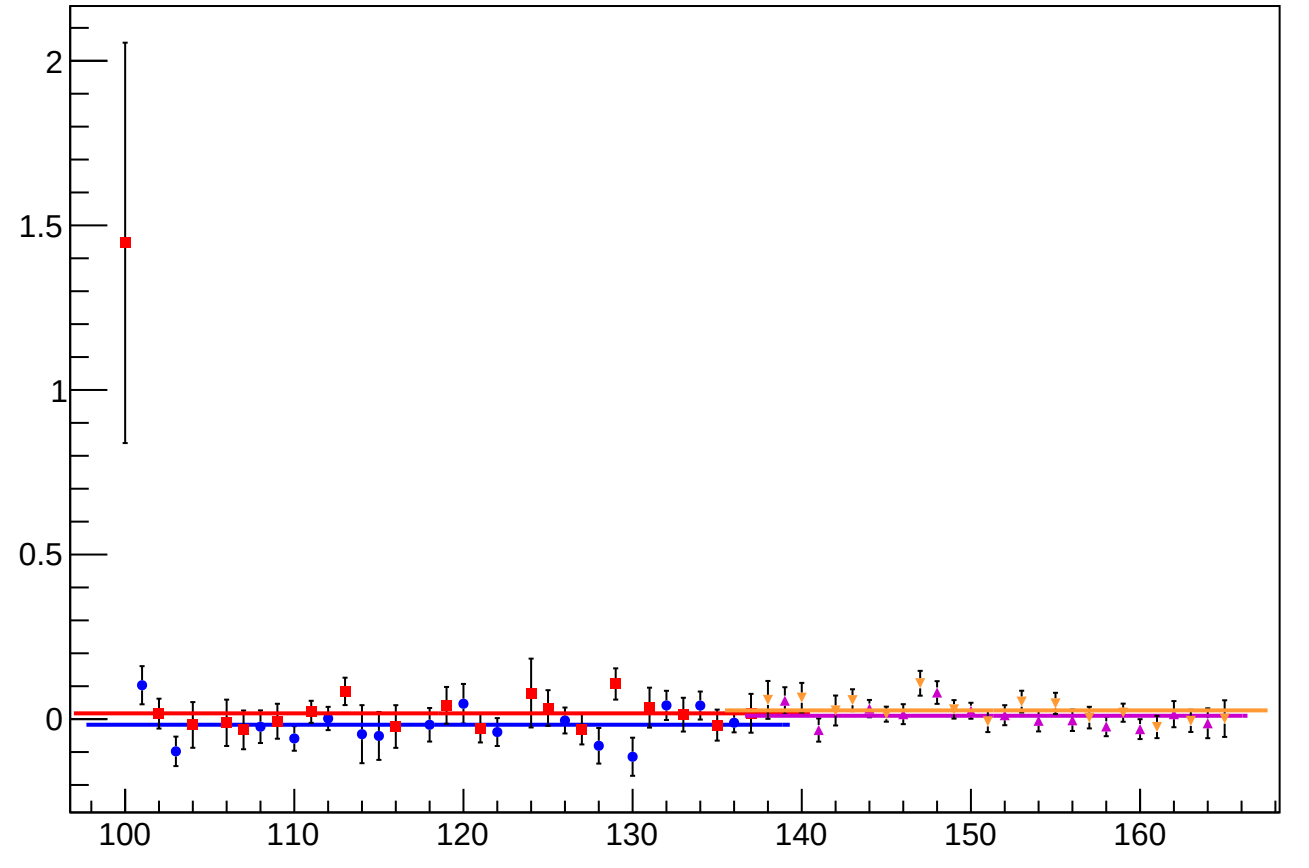
Left In: 0.000+/-0.000 χ^2/NDF:14.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 57.6/30

All: 0.000+/-0.000 χ^2/NDF: 97.9/62

- sign 0.000+/-0.000 χ^2/NDF: 40.3/31


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:4147023.9/14
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:3028271.7/12
+ sign 0.001+/-0.000 χ²/NDF: 9249351.4/30
All: 0.001+/-0.000 χ²/NDF: 17354132.1/62
- sign 0.001+/-0.000 χ²/NDF: 8104085.5/31



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.9/14

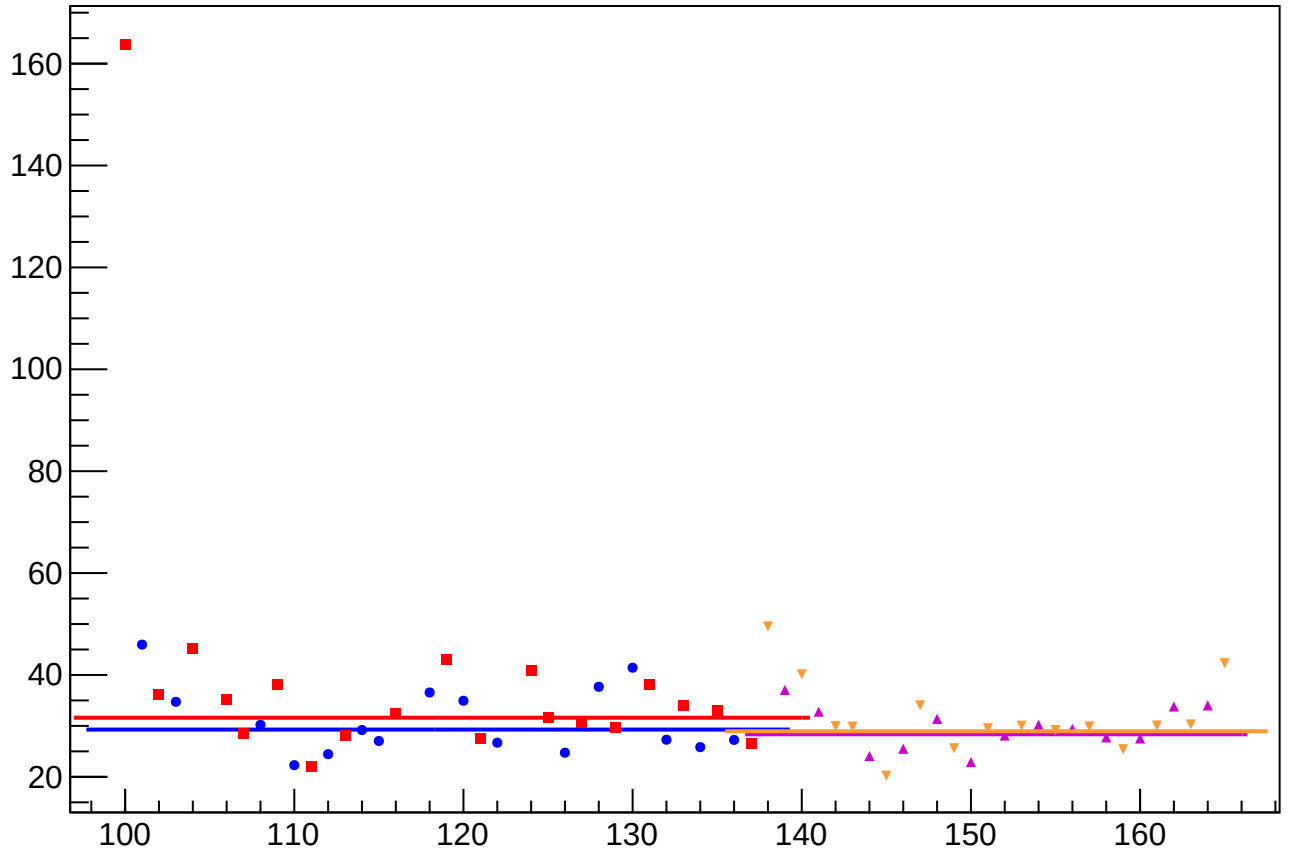
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.009 χ^2/NDF:11.8/12

+ sign 0.010+/-0.007 χ^2/NDF: 41.0/30

All: 0.012+/-0.005 χ^2/NDF: 69.9/62

- sign 0.013+/-0.007 χ^2/NDF: 28.8/31



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.951+/-0.006 χ^2/NDF:896043.0/14

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

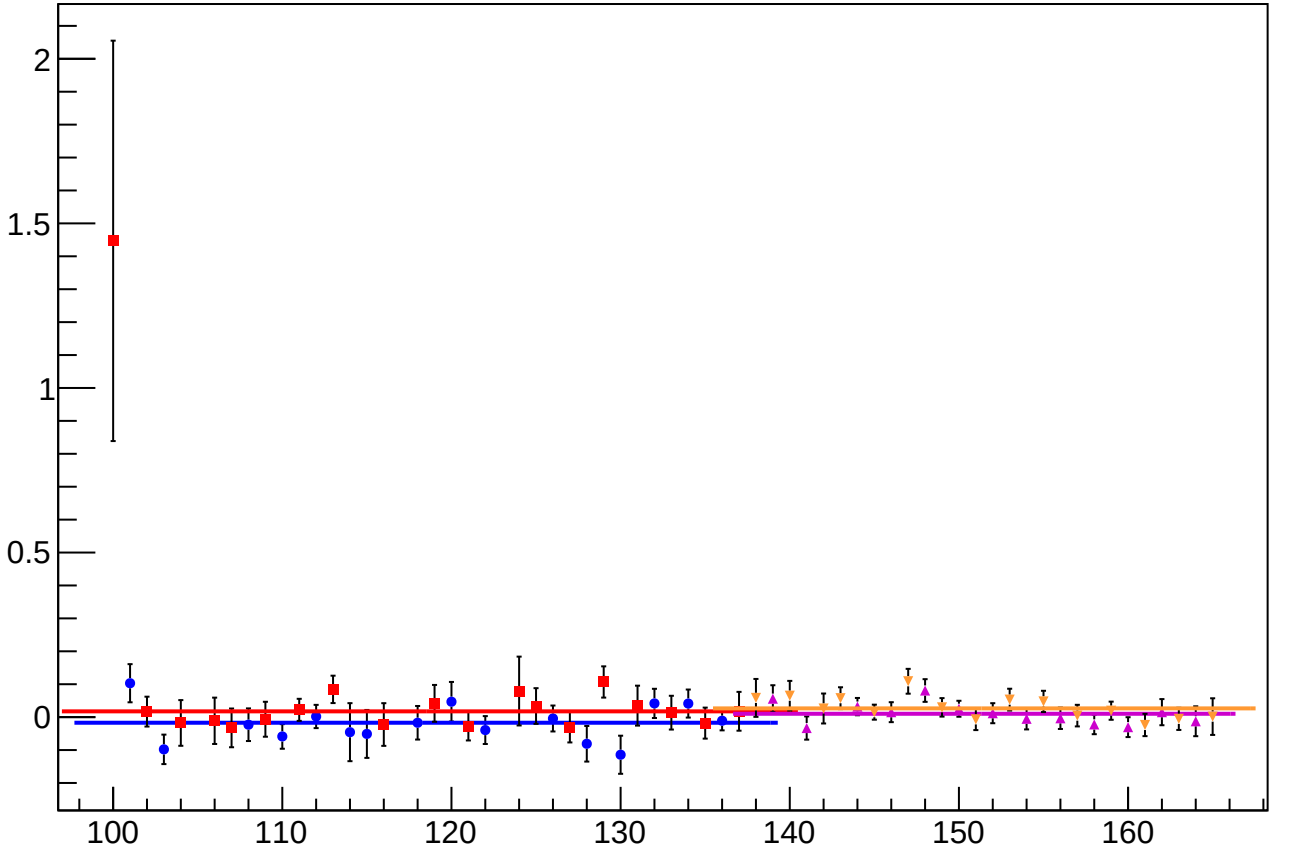
Left In: 28.352+/-0.006 χ^2/NDF:389291.6/12

+ sign 29.072+/-0.005 χ^2/NDF: 1457744.5/30

All: 29.272+/-0.004 χ^2/NDF: 2517476.2/62

- sign 29.486+/-0.005 χ^2/NDF: 1056261.8/31

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: 0.027+/-0.009 χ^2/NDF:12.9/14

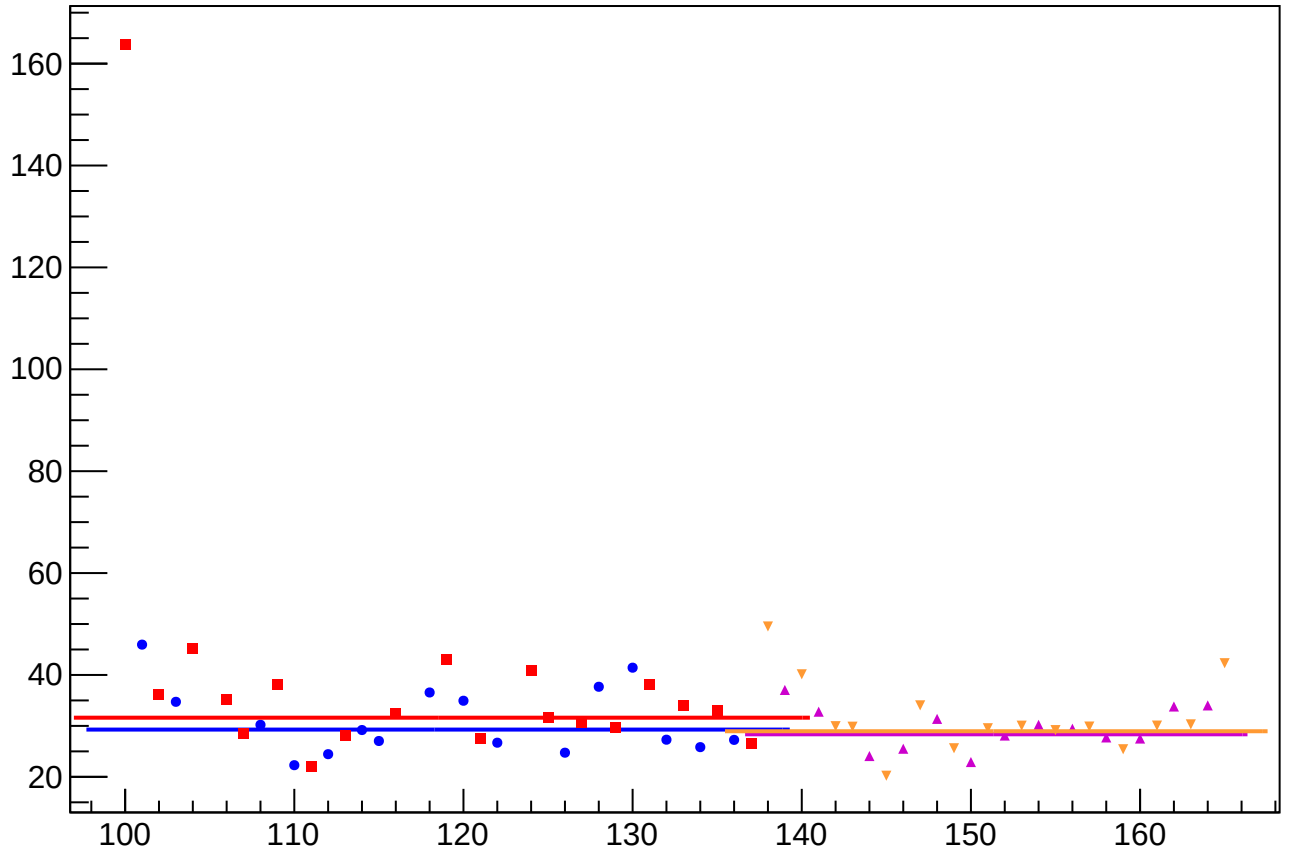
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.010+/-0.009 χ^2/NDF:11.8/12

+ sign 0.010+/-0.007 χ^2/NDF: 41.0/30

All: 0.012+/-0.005 χ^2/NDF: 69.9/62

- sign 0.013+/-0.007 χ^2/NDF: 28.8/31



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.951+/-0.006 χ^2/NDF:896043.0/14

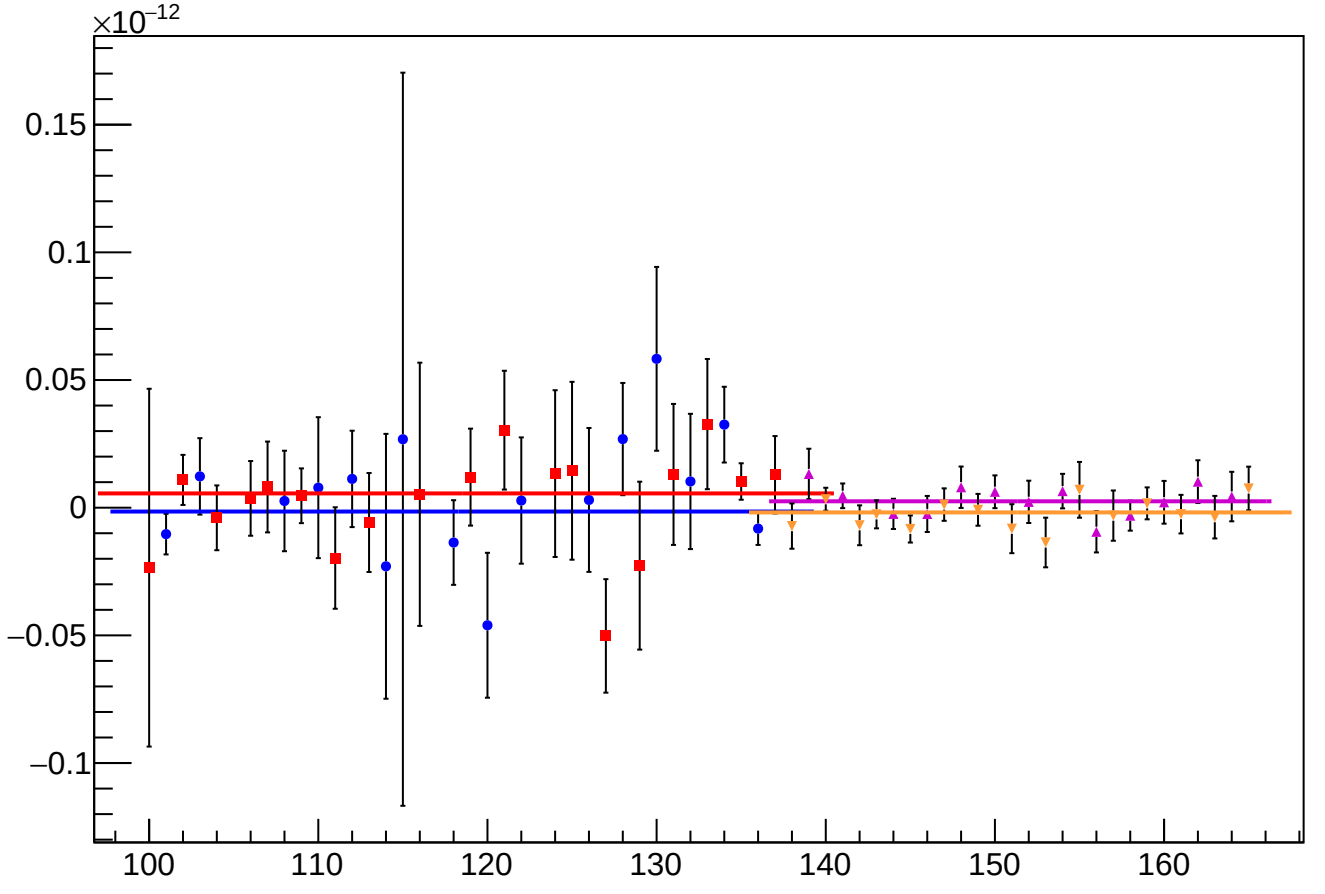
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.352+/-0.006 χ^2/NDF:389291.6/12

+ sign 29.072+/-0.005 χ^2/NDF: 1457744.5/30

All: 29.272+/-0.004 χ^2/NDF: 2517476.2/62

- sign 29.486+/-0.005 χ^2/NDF: 1056261.8/31



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.0/14

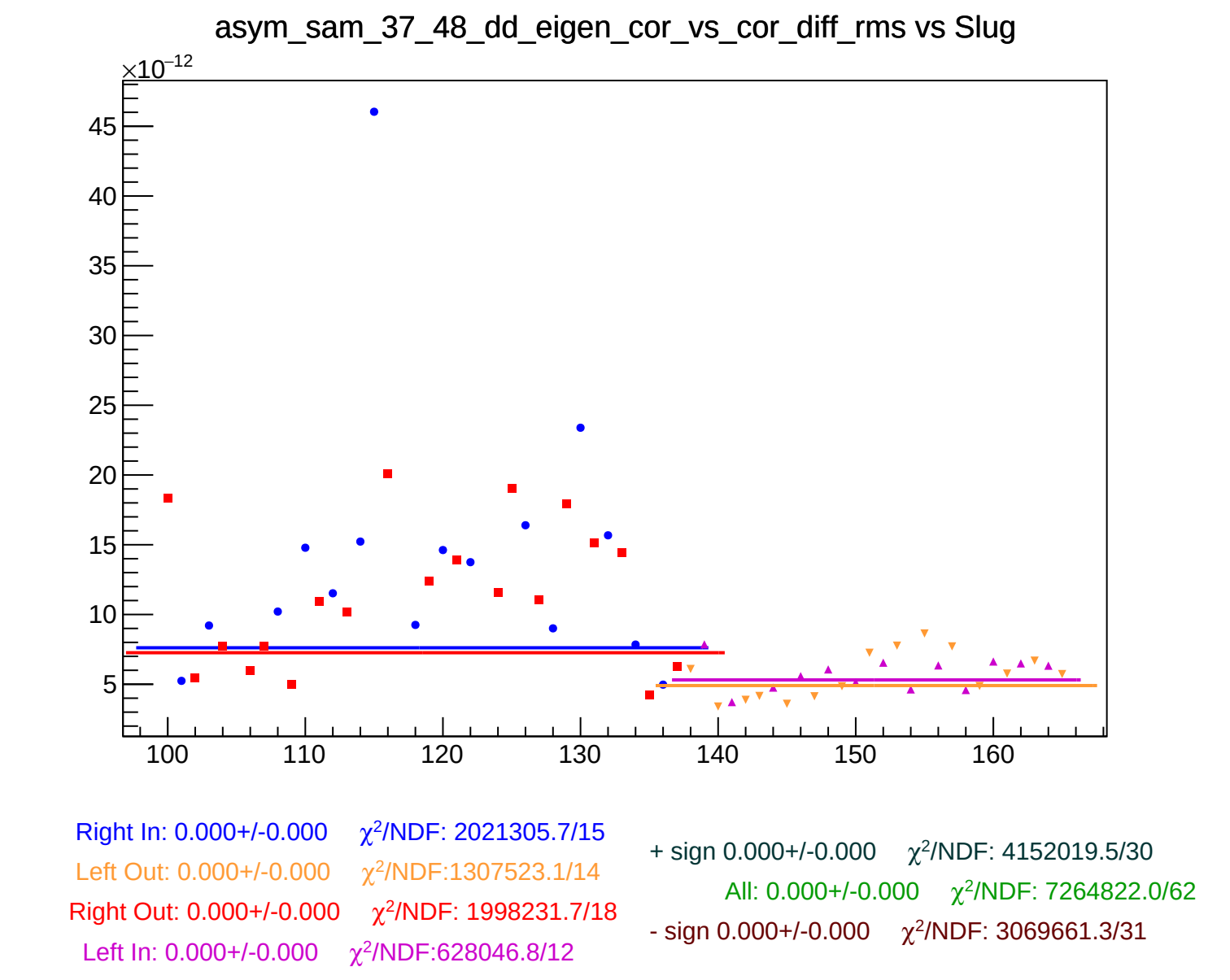
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

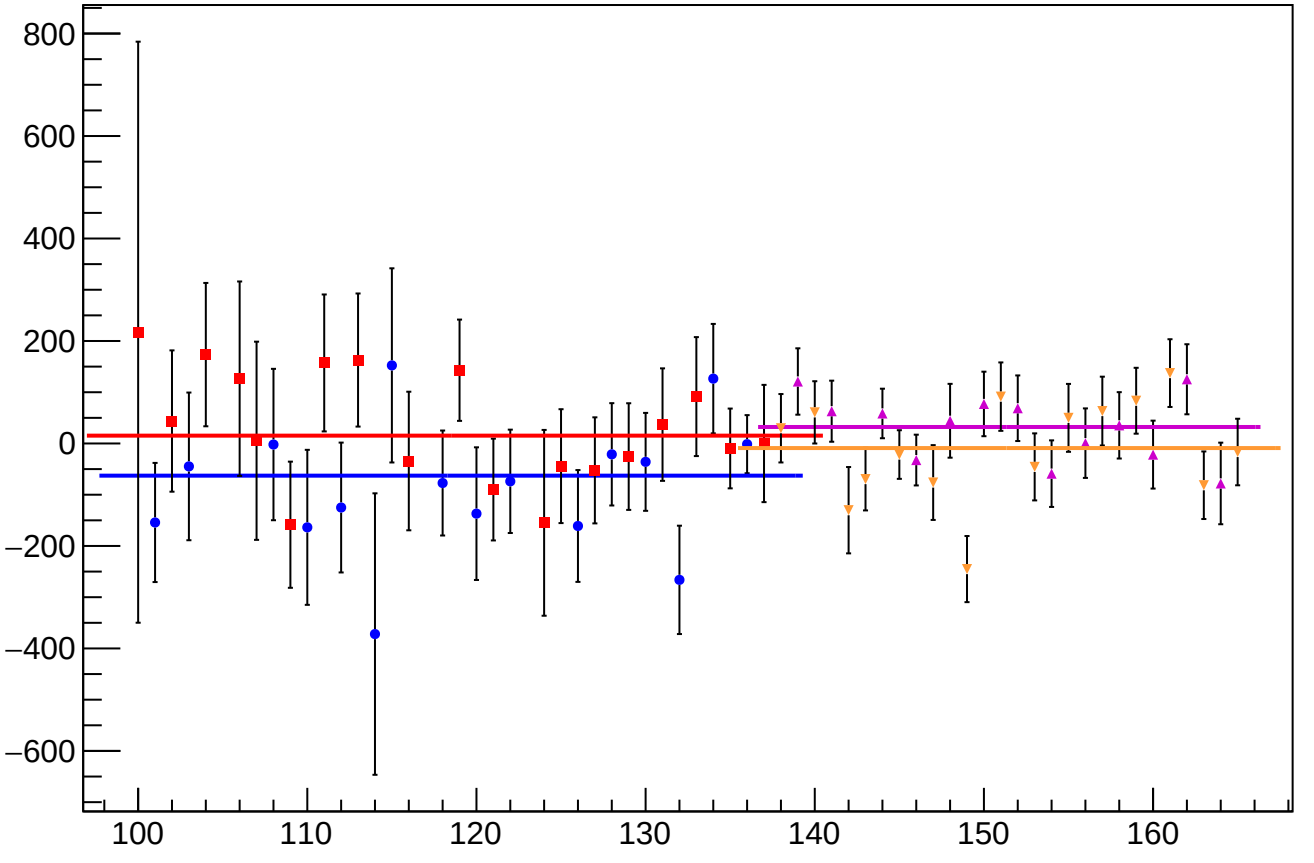
+ sign -0.000+/-0.000 χ^2/NDF: 25.0/30

All: 0.000+/-0.000 χ^2/NDF: 51.0/62

- sign 0.000+/-0.000 χ^2/NDF: 21.6/31


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1307523.1/14
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:628046.8/12
+ sign 0.000+/-0.000 χ²/NDF: 4152019.5/30
All: 0.000+/-0.000 χ²/NDF: 7264822.0/62
- sign 0.000+/-0.000 χ²/NDF: 3069661.3/31

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.958+/-16.617 χ^2/NDF:31.7/14

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

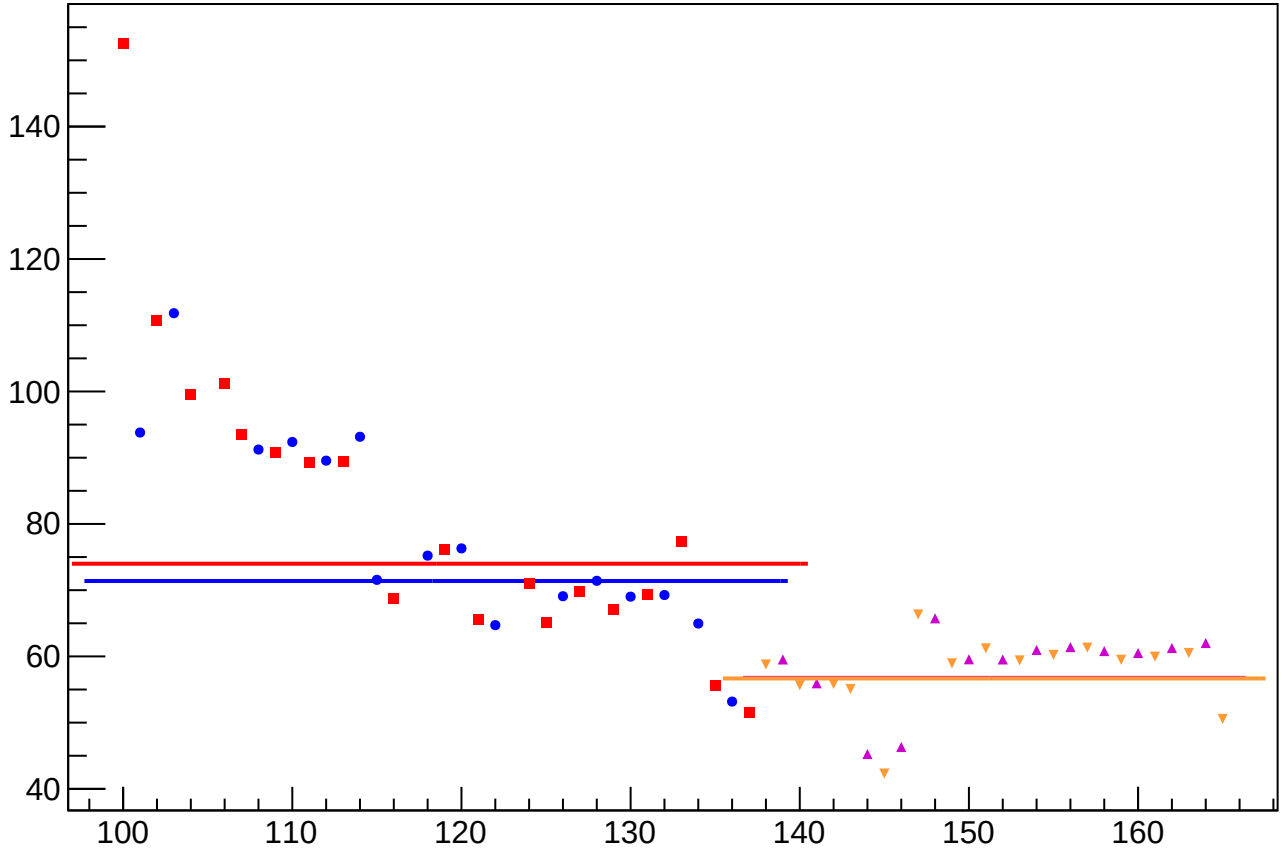
Left In: 32.181+/-17.311 χ^2/NDF:11.6/12

+ sign -23.580+/-14.182 χ^2/NDF: 48.1/30

All: 1.038+/-10.203 χ^2/NDF: 77.7/62

- sign 27.453+/-14.691 χ^2/NDF: 23.4/31

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.670+/-0.012 χ^2/NDF:286262.7/14

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

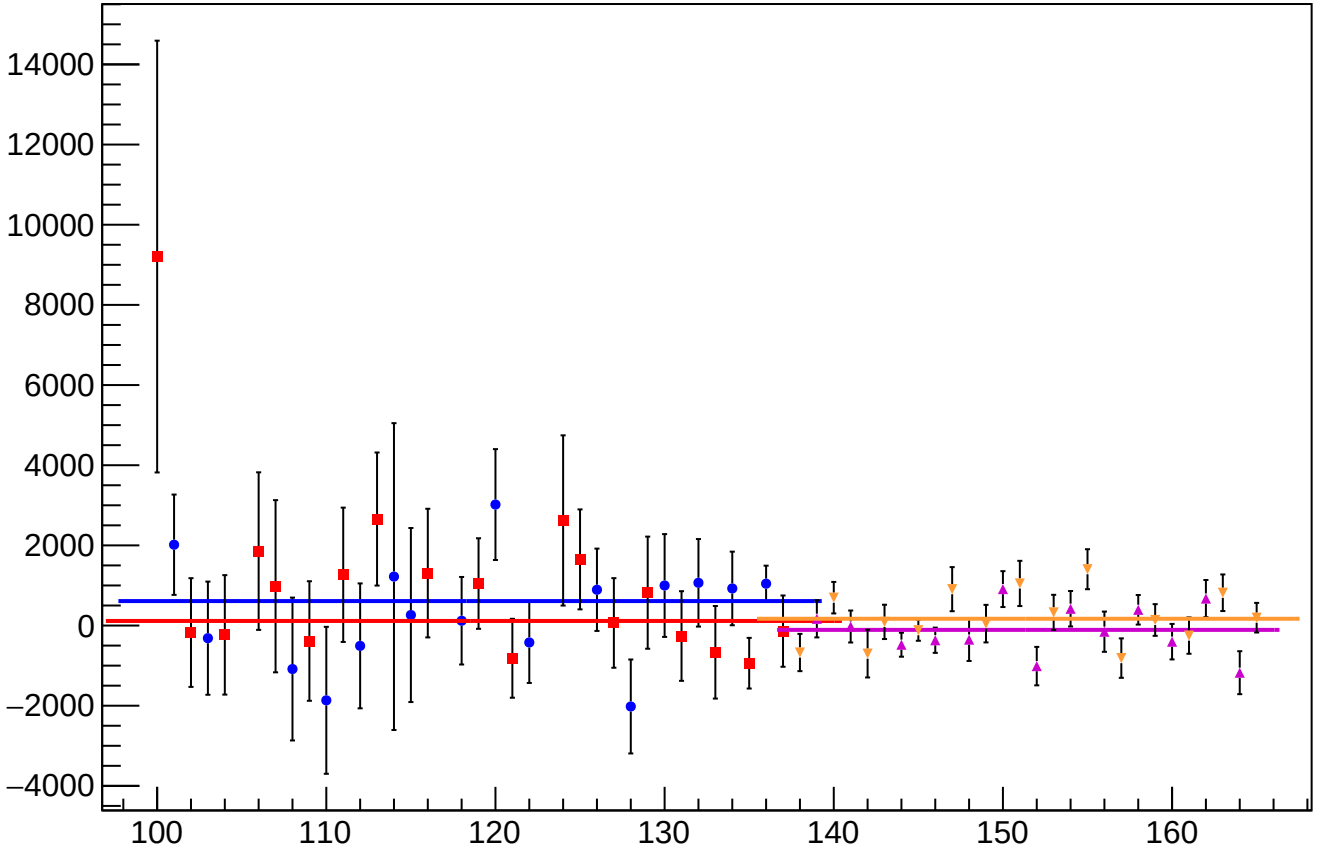
Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

+ sign 60.666+/-0.010 χ^2/NDF: 1303009.2/30

All: 61.109+/-0.007 χ^2/NDF: 2794470.2/62

- sign 61.584+/-0.010 χ^2/NDF: 1487420.1/31

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 169.194+/-110.786 χ^2/NDF:25.8/14

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

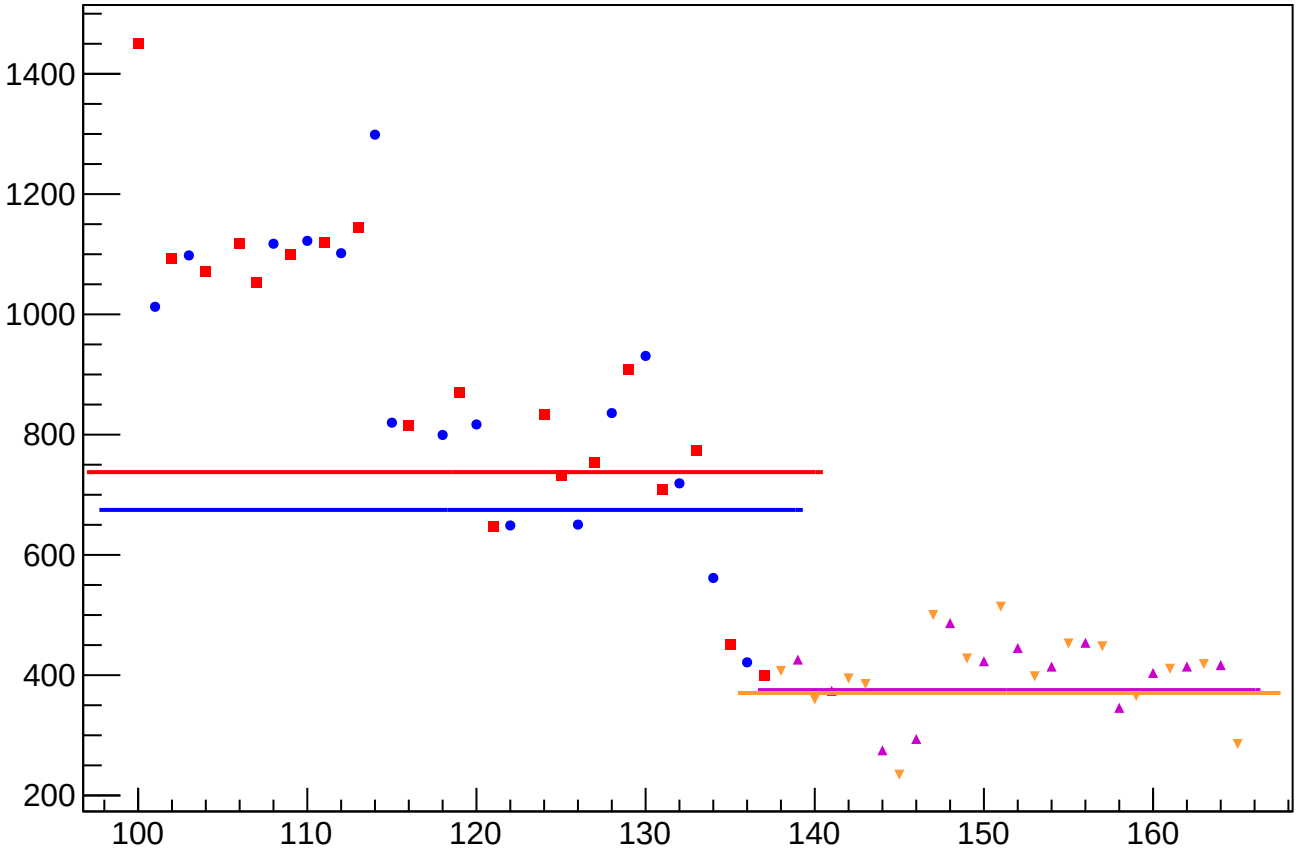
Left In: -107.982+/-115.700 χ^2/NDF:22.1/12

+ sign 234.103+/-102.316 χ^2/NDF: 43.9/30

All: 86.059+/-74.003 χ^2/NDF: 86.4/62

- sign -76.353+/-107.166 χ^2/NDF: 38.1/31

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 370.411+/-0.078 χ^2/NDF:1076976.9/14

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

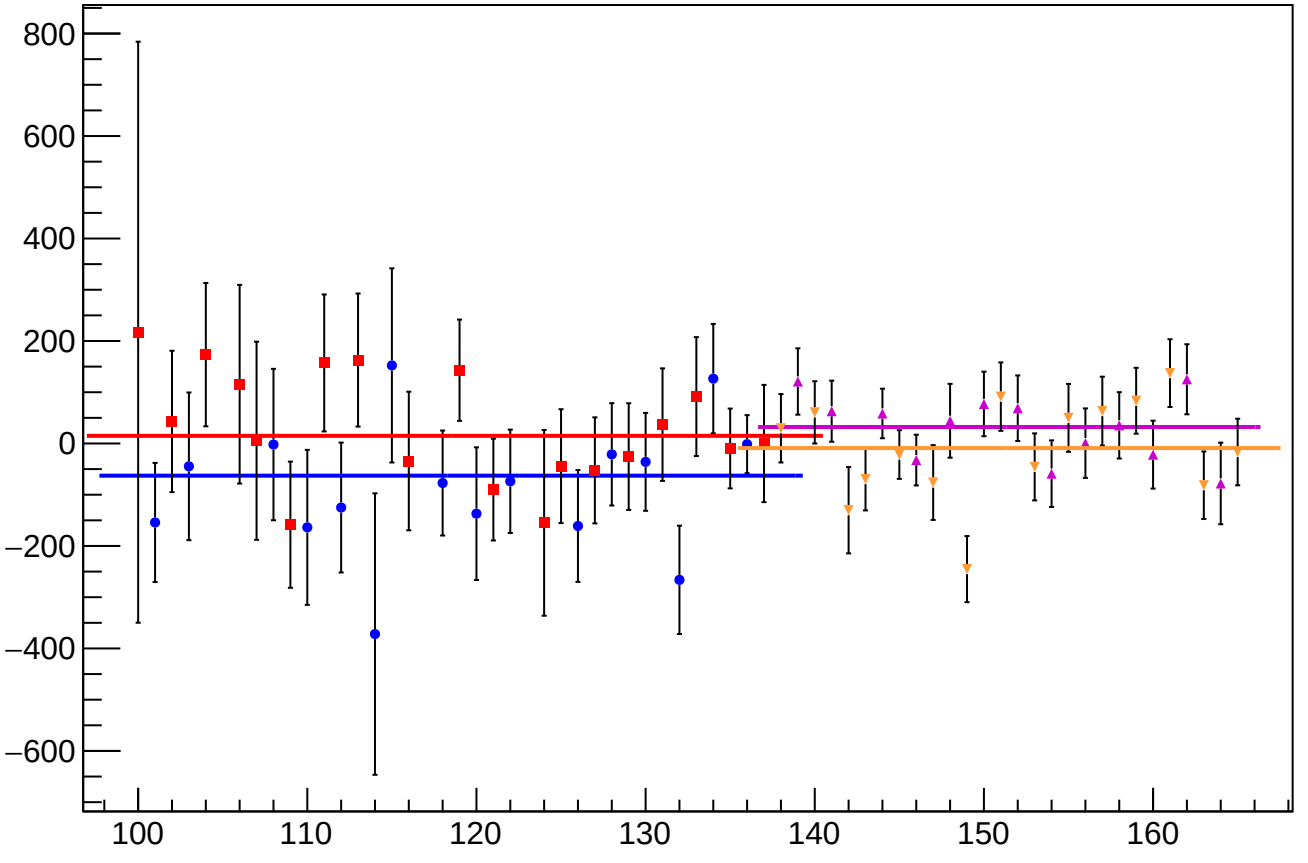
Left In: 375.174+/-0.082 χ^2/NDF:645937.4/12

+ sign 415.180+/-0.072 χ^2/NDF: 4915395.8/30

All: 420.662+/-0.052 χ^2/NDF: 9879482.2/62

- sign 426.677+/-0.076 χ^2/NDF: 4952043.2/31

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.958+/-16.617 χ^2/NDF:31.7/14

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

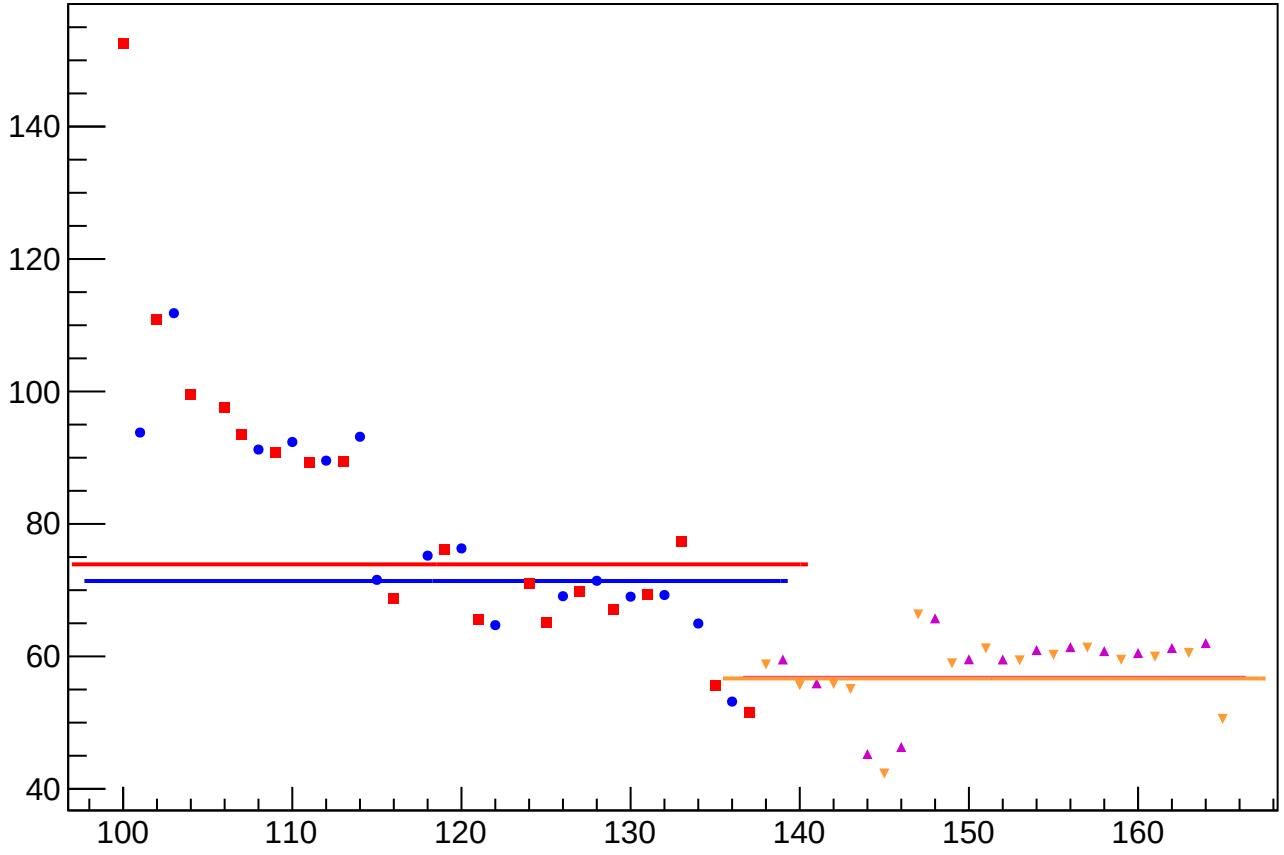
Left In: 32.181+/-17.311 χ^2/NDF:11.6/12

+ sign -23.578+/-14.182 χ^2/NDF: 48.1/30

All: 0.989+/-10.204 χ^2/NDF: 77.6/62

- sign 27.357+/-14.693 χ^2/NDF: 23.3/31

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.670+/-0.012 χ^2/NDF:286262.7/14

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

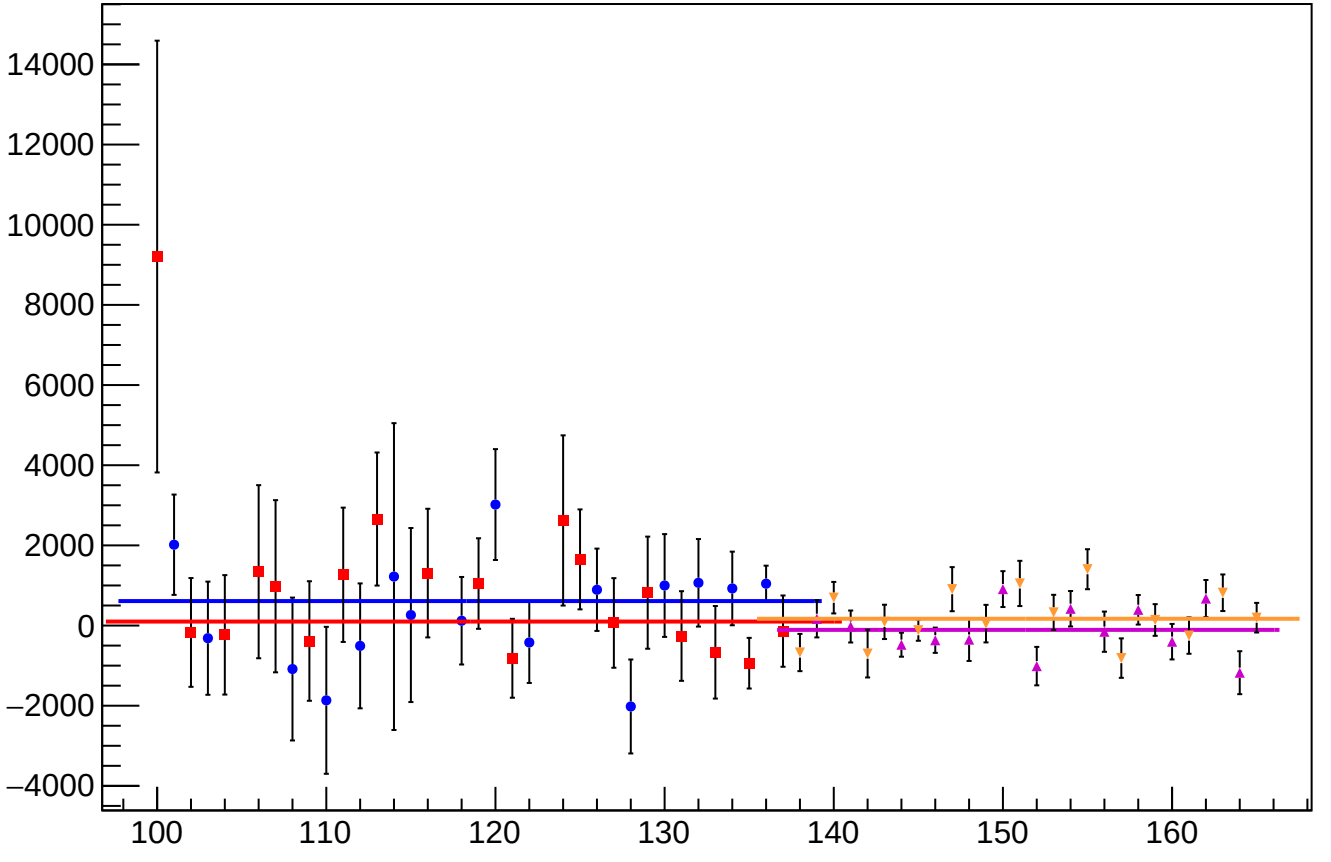
Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

+ sign 60.666+/-0.010 χ^2/NDF: 1303011.8/30

All: 61.094+/-0.007 χ^2/NDF: 2775992.7/62

- sign 61.553+/-0.010 χ^2/NDF: 1469210.7/31

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 169.192+/-110.786 χ^2/NDF:25.8/14

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

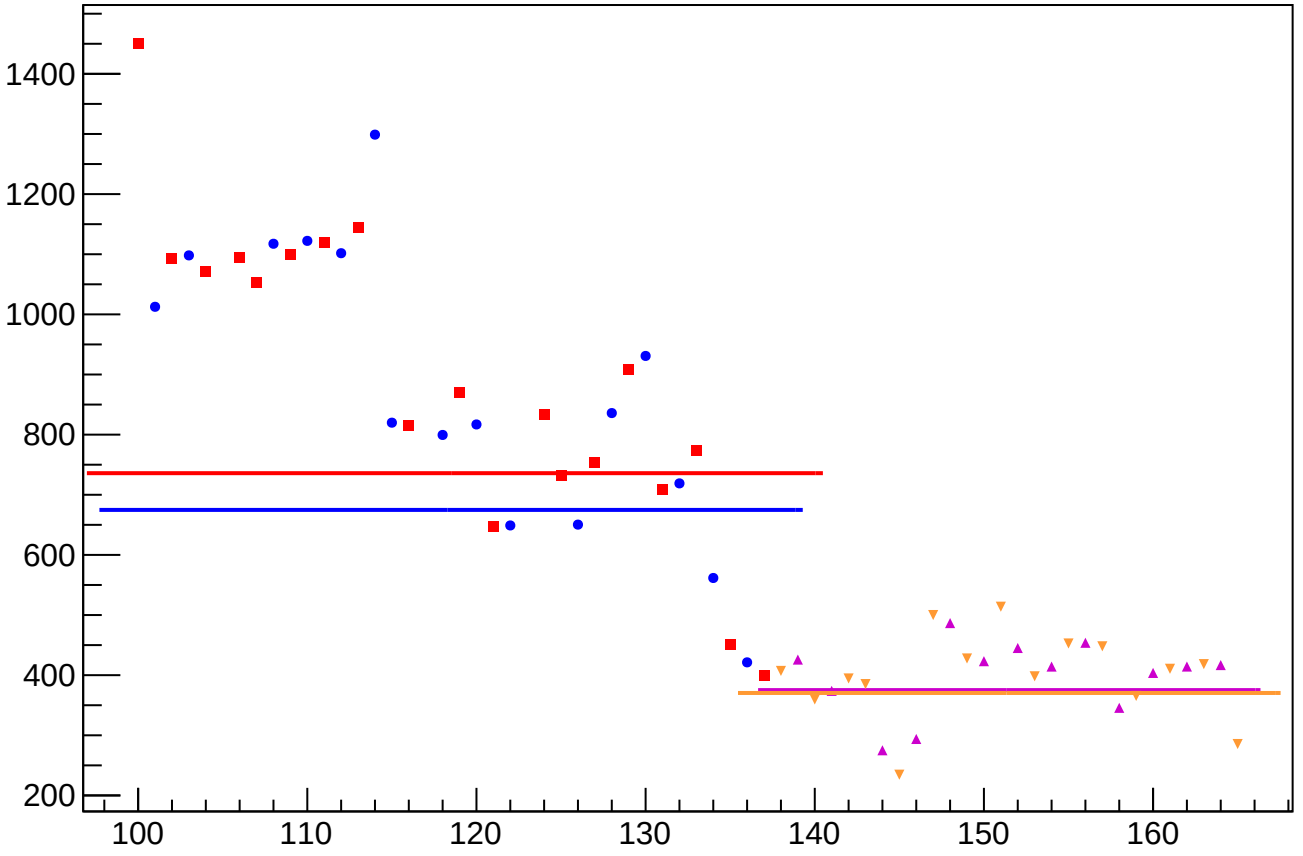
Left In: -107.978+/-115.700 χ^2/NDF:22.1/12

+ sign 234.100+/-102.316 χ^2/NDF: 43.9/30

All: 85.034+/-74.013 χ^2/NDF: 85.9/62

- sign -78.585+/-107.194 χ^2/NDF: 37.6/31

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 370.411+/-0.078 χ^2/NDF:1076981.8/14

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

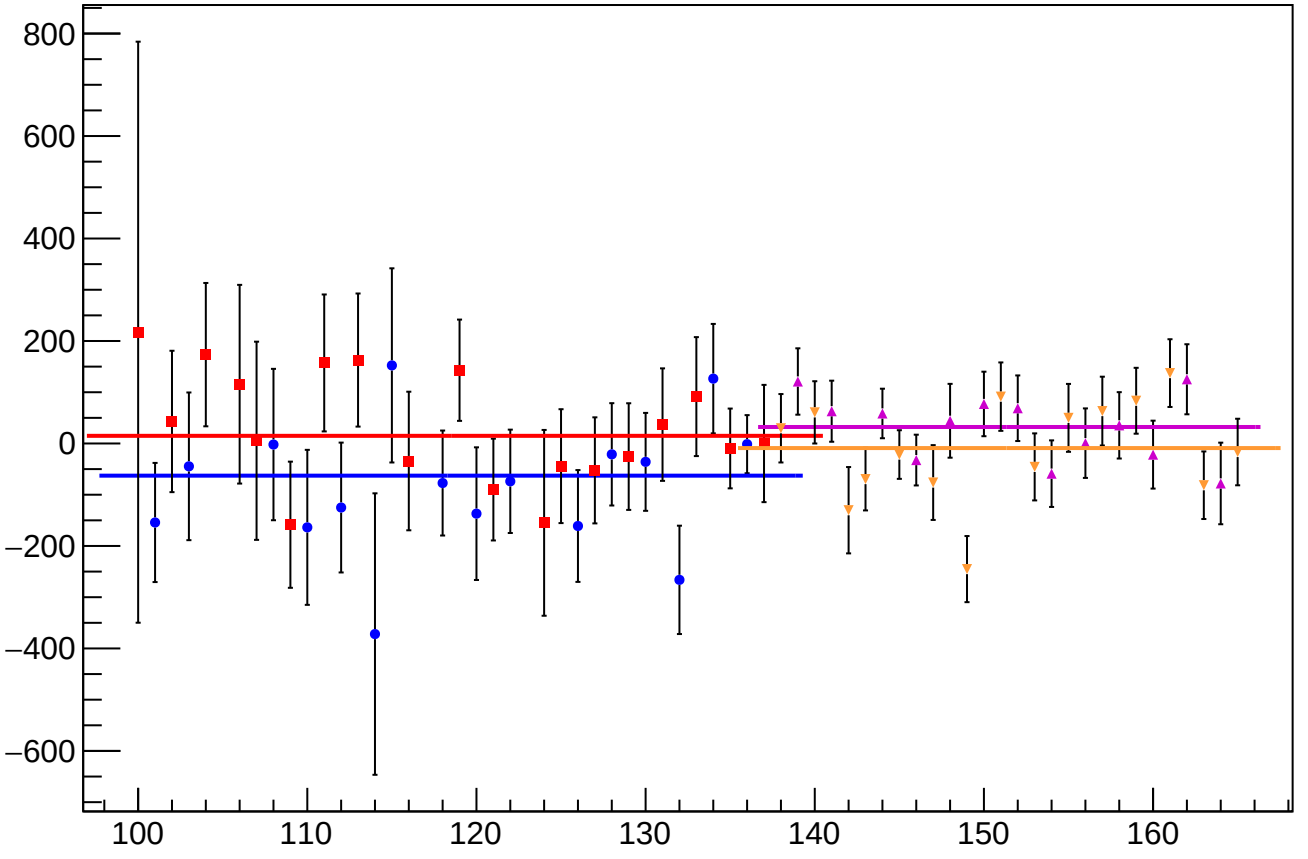
Left In: 375.174+/-0.082 χ^2/NDF:645939.4/12

+ sign 415.180+/-0.072 χ^2/NDF: 4915426.1/30

All: 420.466+/-0.052 χ^2/NDF: 9823319.5/62

- sign 426.268+/-0.076 χ^2/NDF: 4896695.2/31

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.958+/-16.617 χ^2/NDF:31.7/14

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

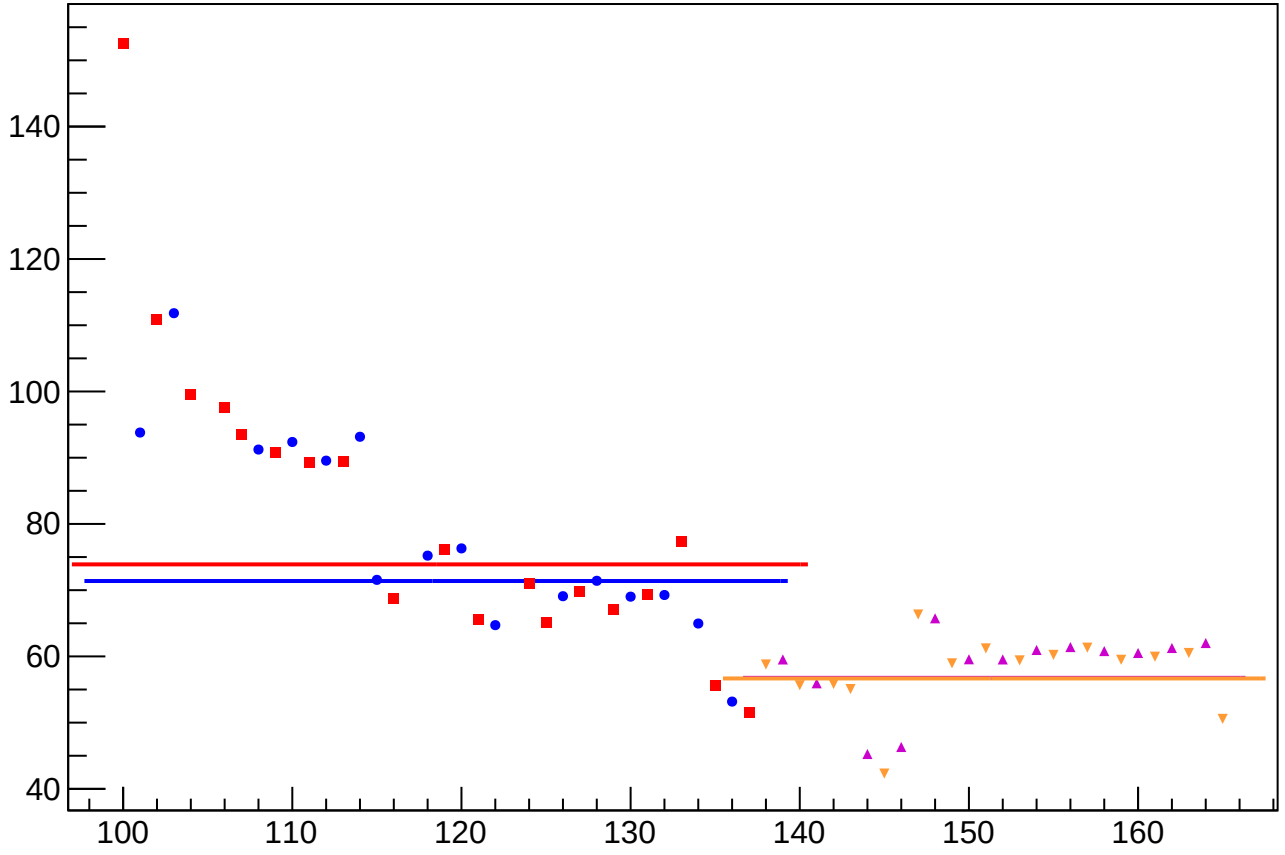
Left In: 32.181+/-17.311 χ^2/NDF:11.6/12

+ sign -23.578+/-14.182 χ^2/NDF: 48.1/30

All: 0.989+/-10.204 χ^2/NDF: 77.6/62

- sign 27.357+/-14.693 χ^2/NDF: 23.3/31

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.670+/-0.012 χ^2/NDF:286262.7/14

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

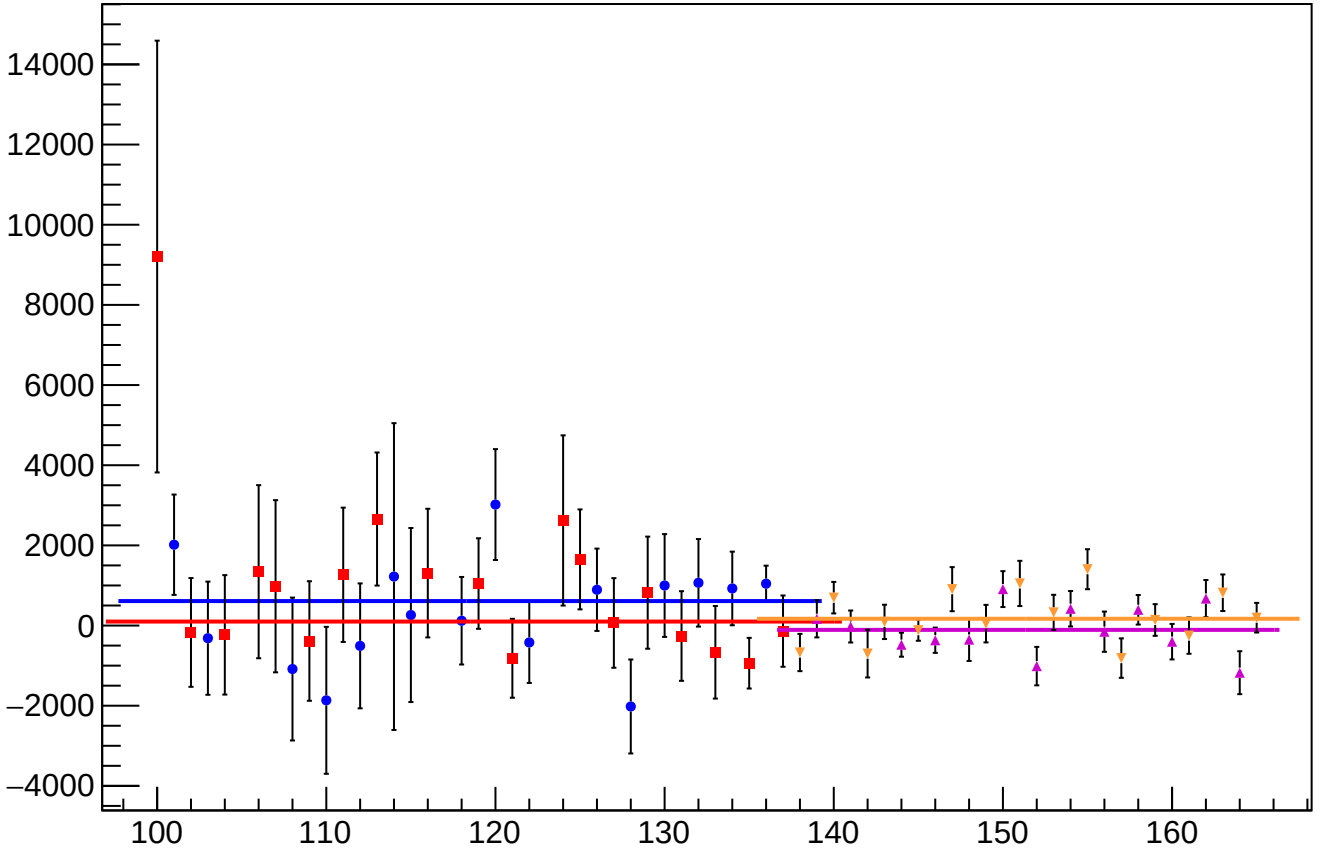
Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

+ sign 60.666+/-0.010 χ^2/NDF: 1303011.8/30

All: 61.094+/-0.007 χ^2/NDF: 2775992.7/62

- sign 61.553+/-0.010 χ^2/NDF: 1469210.7/31

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: 169.192+/-110.786 χ^2/NDF:25.8/14

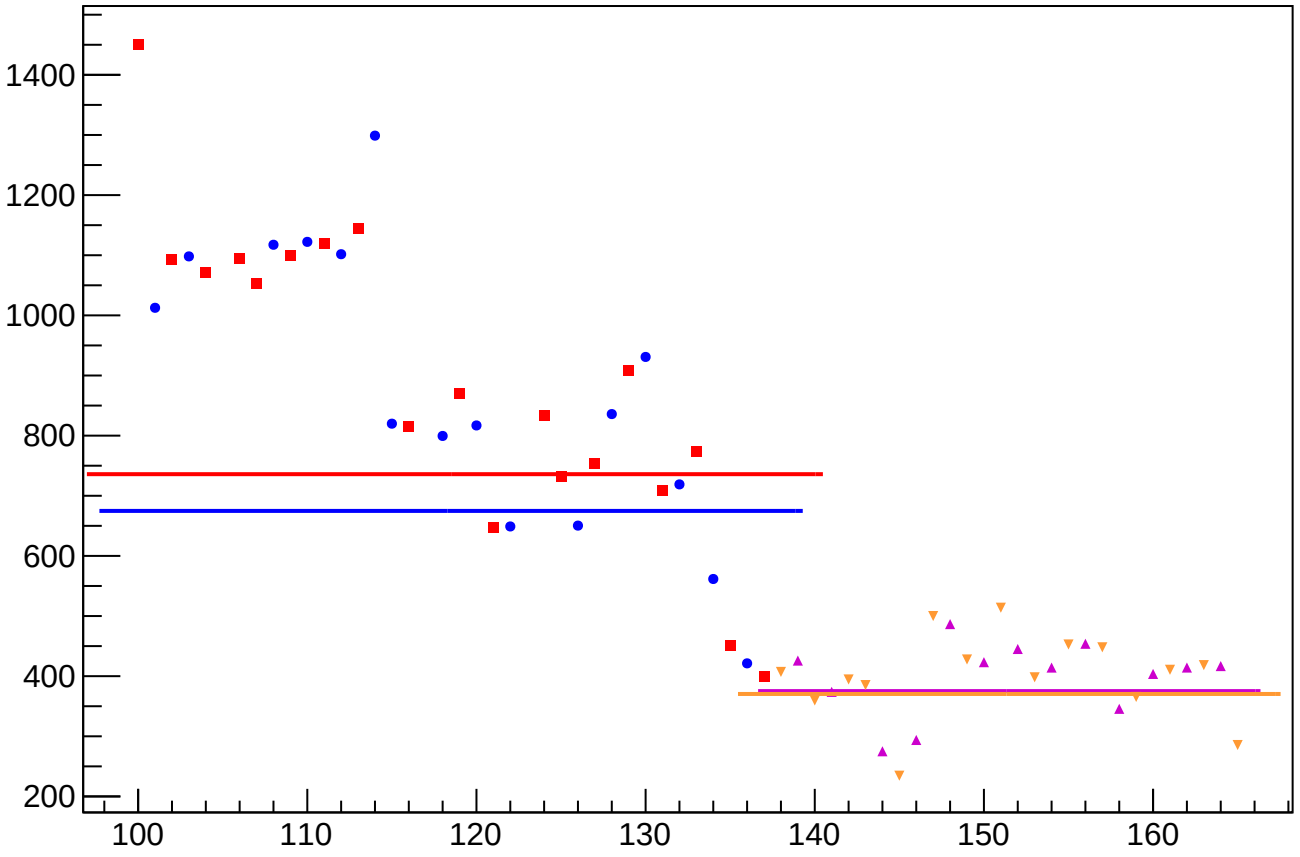
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -107.978+/-115.700 χ^2/NDF:22.1/12

+ sign 234.100+/-102.316 χ^2/NDF: 43.9/30

All: 85.034+/-74.013 χ^2/NDF: 85.9/62

- sign -78.585+/-107.194 χ^2/NDF: 37.6/31



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 370.411+/-0.078 χ^2/NDF:1076981.8/14

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

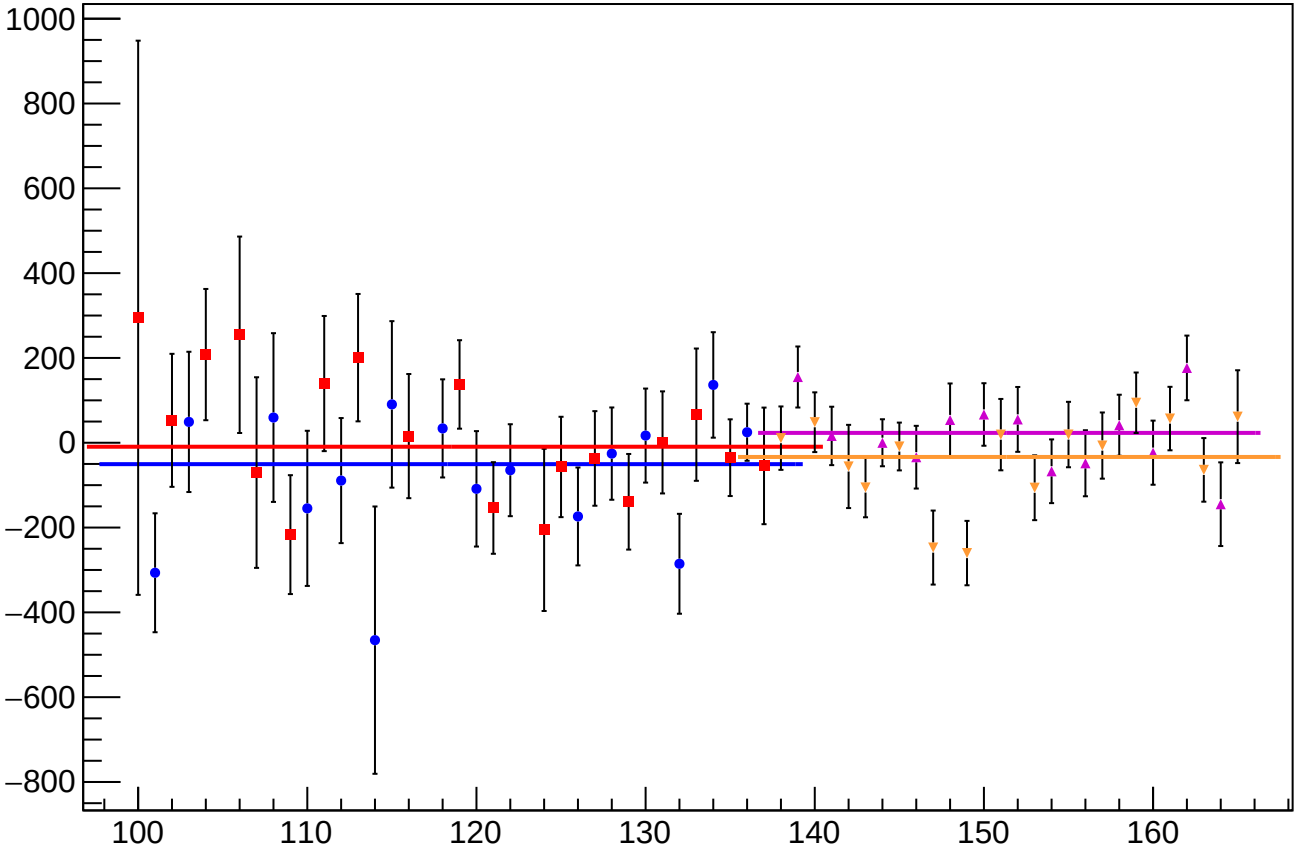
Left In: 375.174+/-0.082 χ^2/NDF:645939.4/12

+ sign 415.180+/-0.072 χ^2/NDF: 4915426.1/30

All: 420.466+/-0.052 χ^2/NDF: 9823319.5/62

- sign 426.268+/-0.076 χ^2/NDF: 4896695.2/31

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -33.501+/-19.661 χ^2/NDF:25.4/14

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

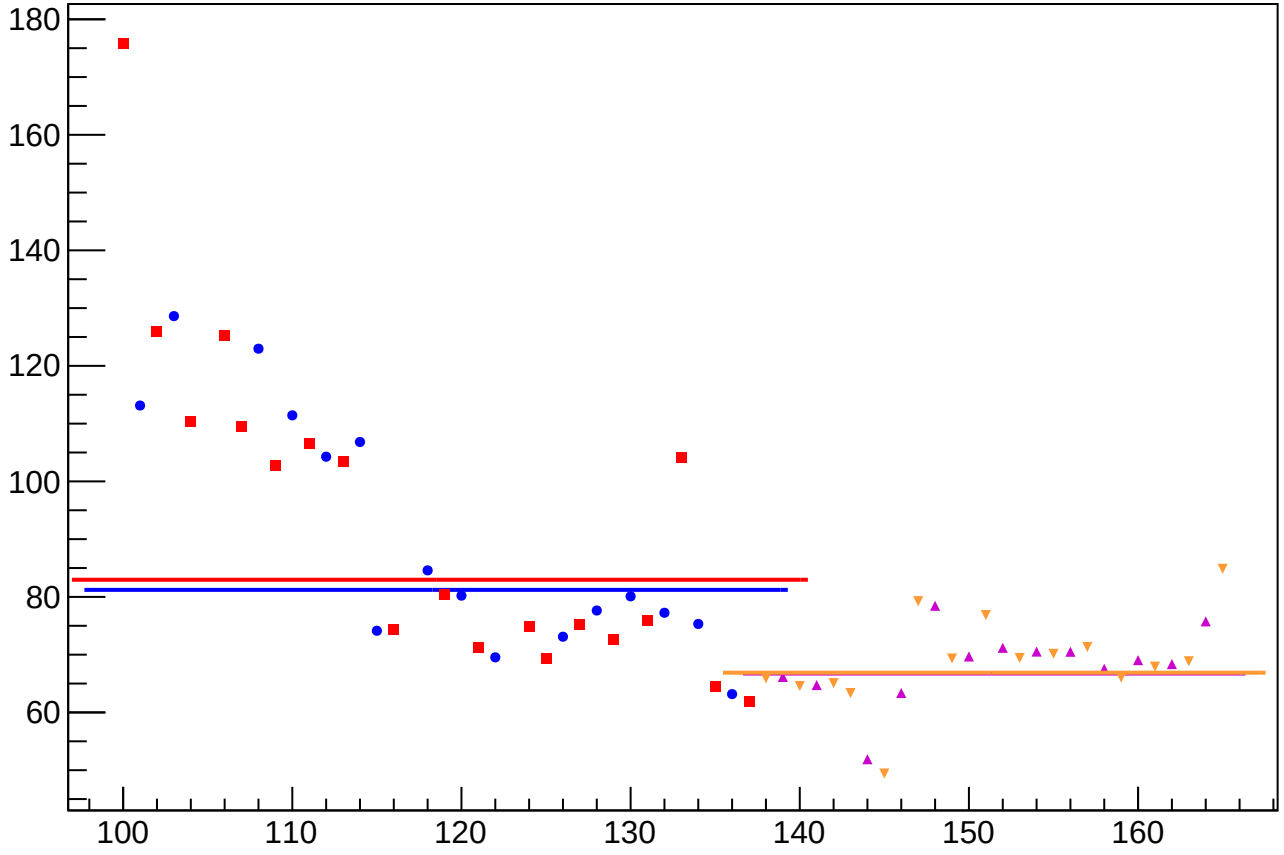
Left In: 23.251+/-20.466 χ^2/NDF:14.5/12

+ sign -38.353+/-16.613 χ^2/NDF: 42.0/30

All: -13.229+/-11.922 χ^2/NDF: 77.5/62

- sign 13.449+/-17.119 χ^2/NDF: 30.8/31

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 66.882+/-0.014 χ^2/NDF:338915.2/14

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

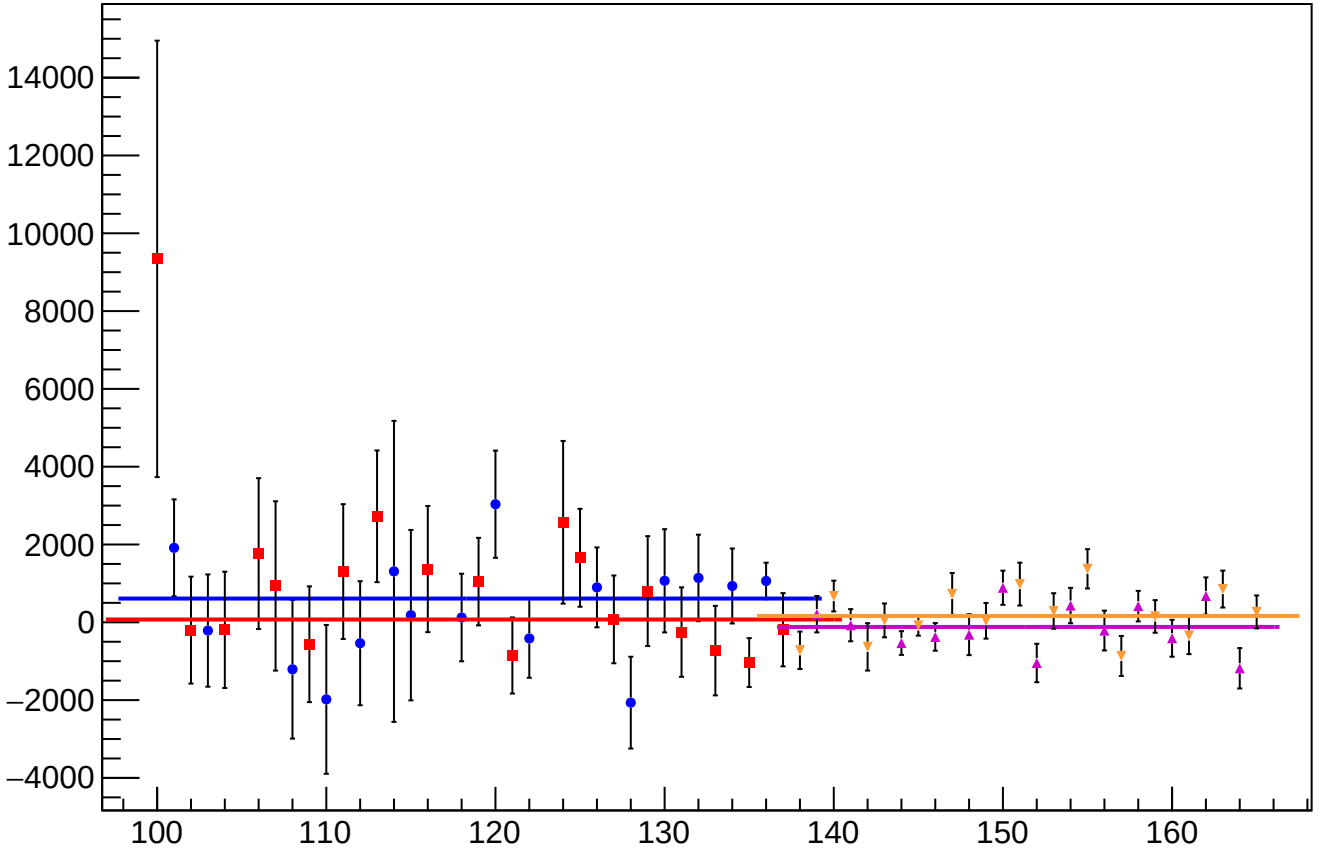
Left In: 66.728+/-0.014 χ^2/NDF:226011.5/12

+ sign 70.983+/-0.012 χ^2/NDF: 1305972.4/30

All: 71.286+/-0.008 χ^2/NDF: 2642125.9/62

- sign 71.607+/-0.012 χ^2/NDF: 1334782.8/31

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 163.904+/-113.743 χ^2/NDF:24.2/14

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

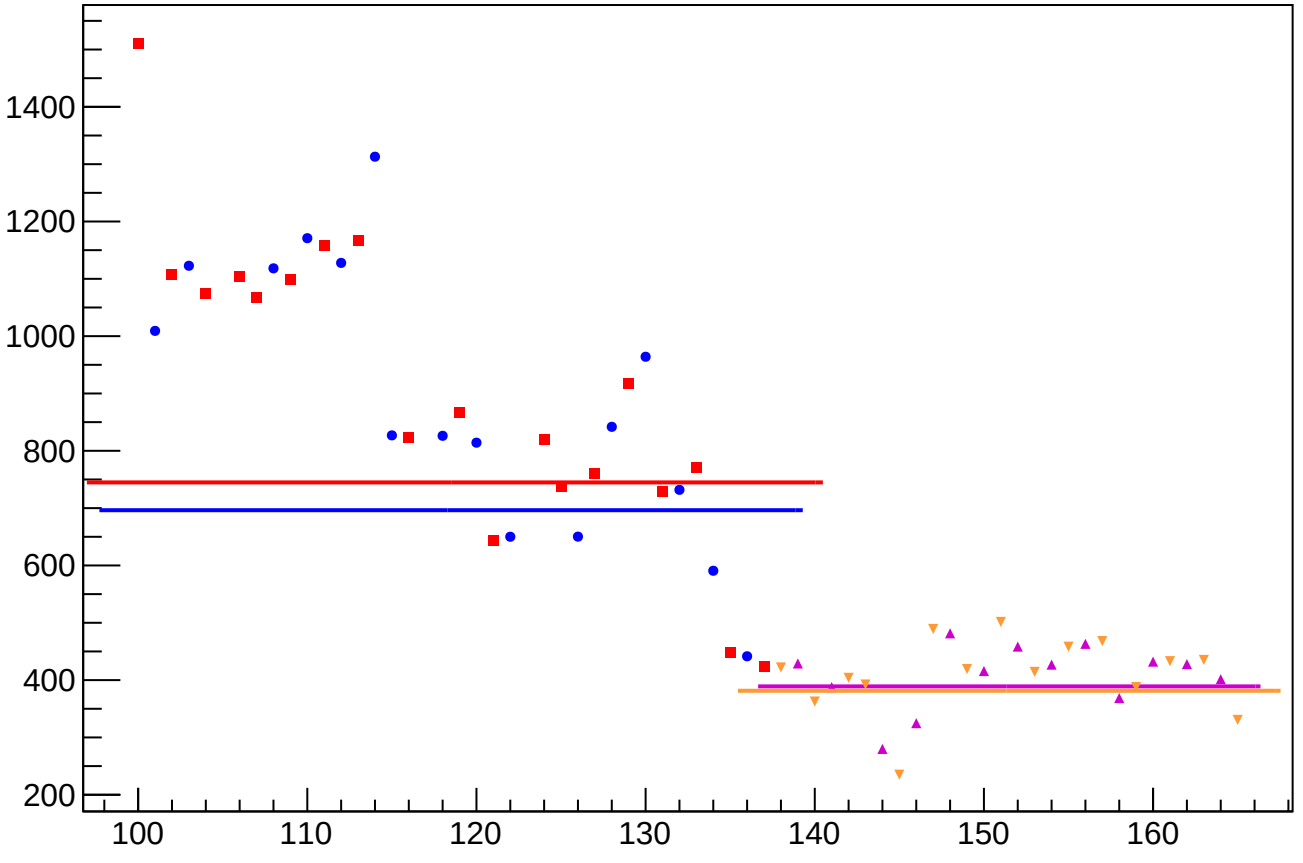
Left In: -119.082+/-119.855 χ^2/NDF:22.5/12

+ sign 229.541+/-105.050 χ^2/NDF: 42.3/30

All: 77.673+/-76.164 χ^2/NDF: 85.7/62

- sign -90.631+/-110.588 χ^2/NDF: 39.0/31

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 381.415+/-0.080 χ^2/NDF:1026853.1/14

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

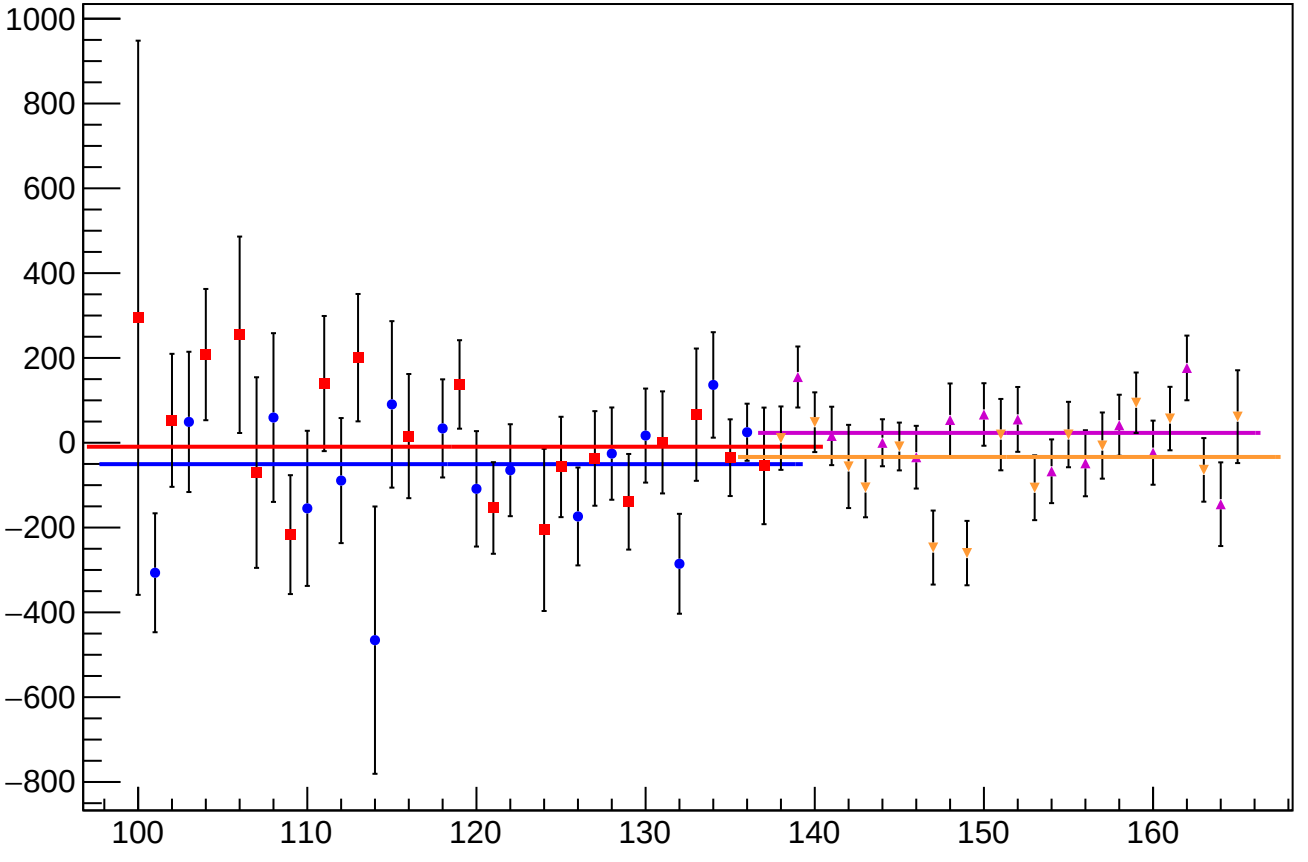
Left In: 389.035+/-0.085 χ^2/NDF:536254.4/12

+ sign 427.716+/-0.074 χ^2/NDF: 4796731.3/30

All: 434.459+/-0.054 χ^2/NDF: 9469289.0/62

- sign 441.932+/-0.078 χ^2/NDF: 4655186.3/31

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -33.501+/-19.661 χ^2/NDF:25.4/14

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

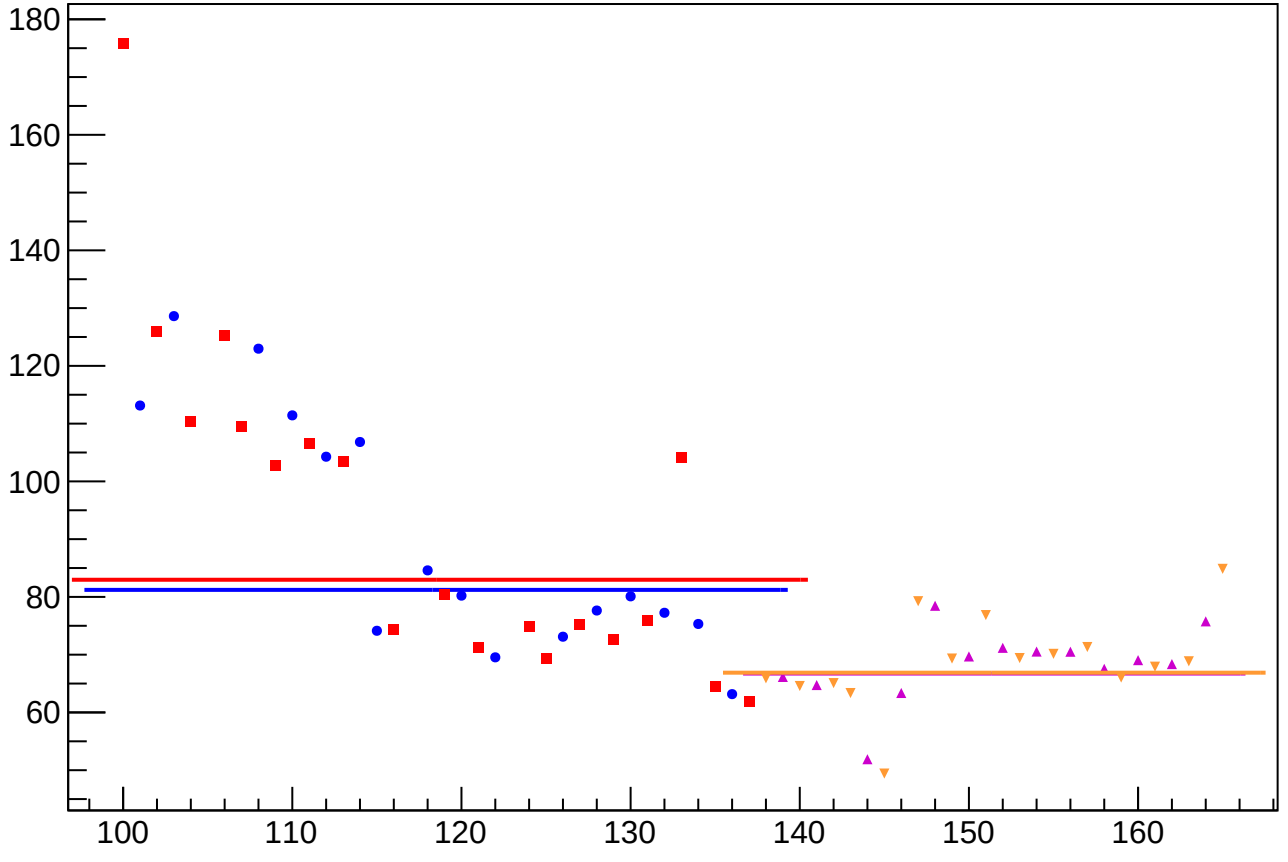
Left In: 23.249+/-20.466 χ^2/NDF:14.5/12

+ sign -38.354+/-16.613 χ^2/NDF: 42.0/30

All: -13.230+/-11.922 χ^2/NDF: 77.5/62

- sign 13.448+/-17.119 χ^2/NDF: 30.8/31

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 66.882+/-0.014 χ^2/NDF:338909.1/14

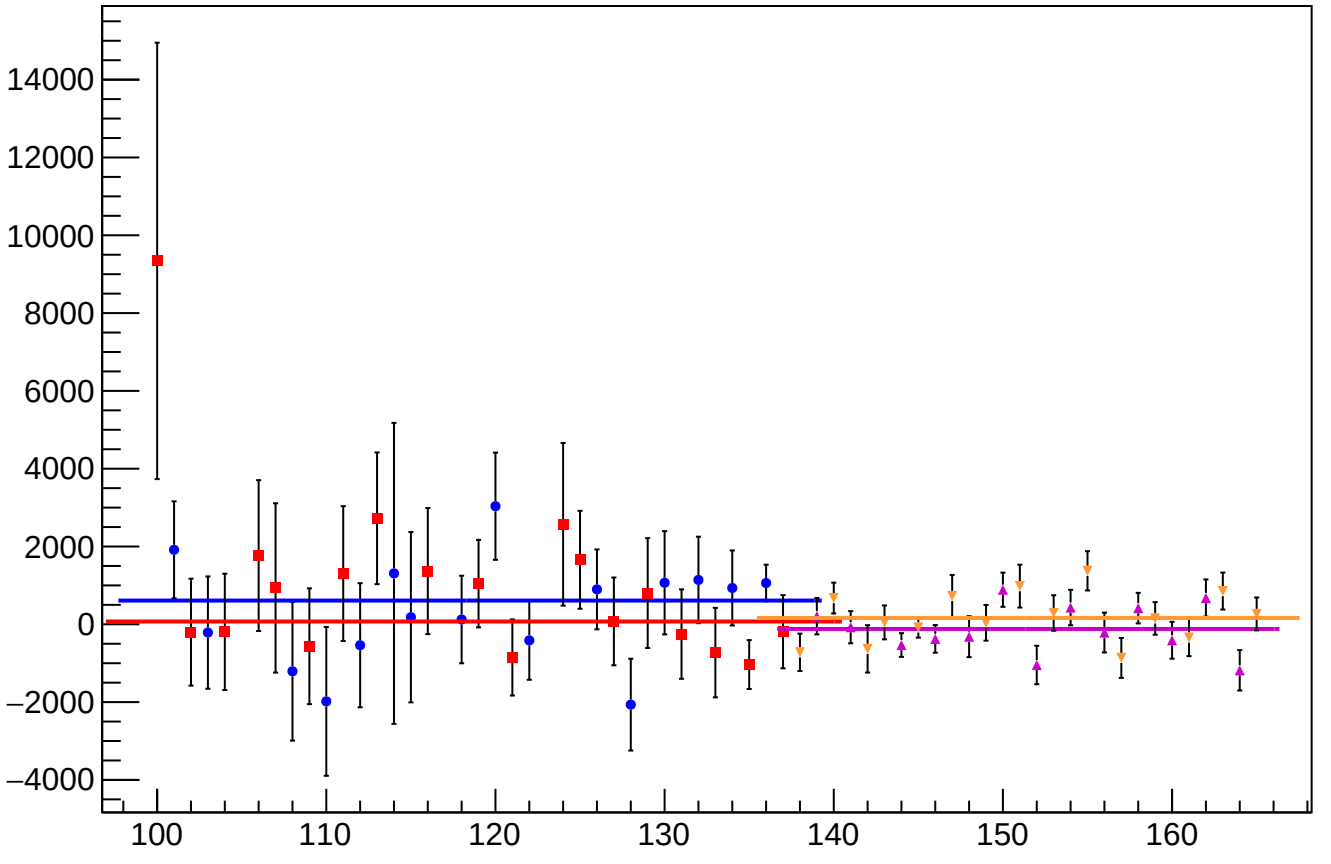
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.728+/-0.014 χ^2/NDF:226008.9/12

+ sign 70.983+/-0.012 χ^2/NDF: 1305929.8/30

All: 71.286+/-0.008 χ^2/NDF: 2642052.0/62

- sign 71.607+/-0.012 χ^2/NDF: 1334751.3/31



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 163.903+/-113.743 χ^2/NDF:24.2/14

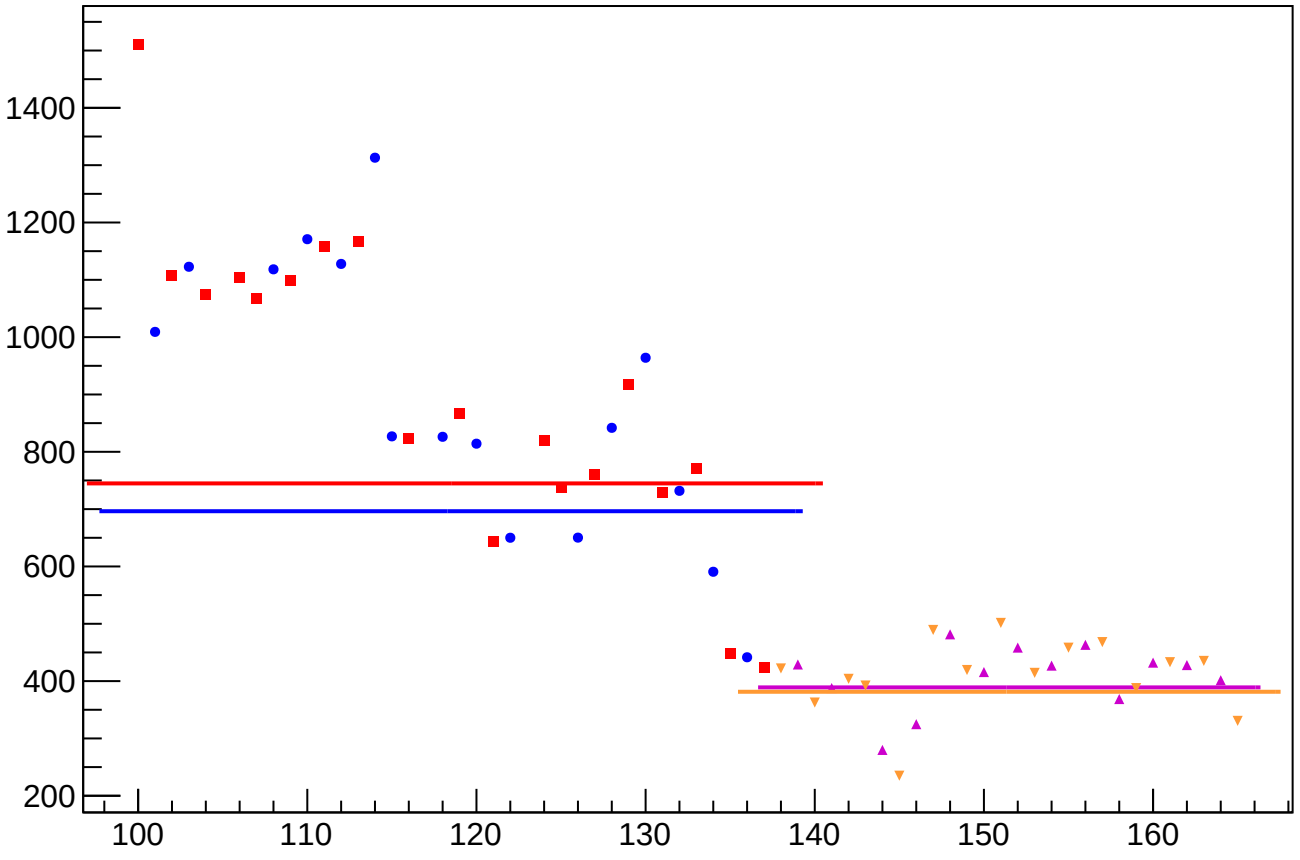
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -119.082+/-119.855 χ^2/NDF:22.5/12

\+ sign 229.540+/-105.050 χ^2/NDF: 42.3/30

All: 77.673+/-76.164 χ^2/NDF: 85.7/62

\- sign -90.631+/-110.588 χ^2/NDF: 39.0/31



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 381.415+/-0.080 χ^2/NDF:1026873.3/14

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

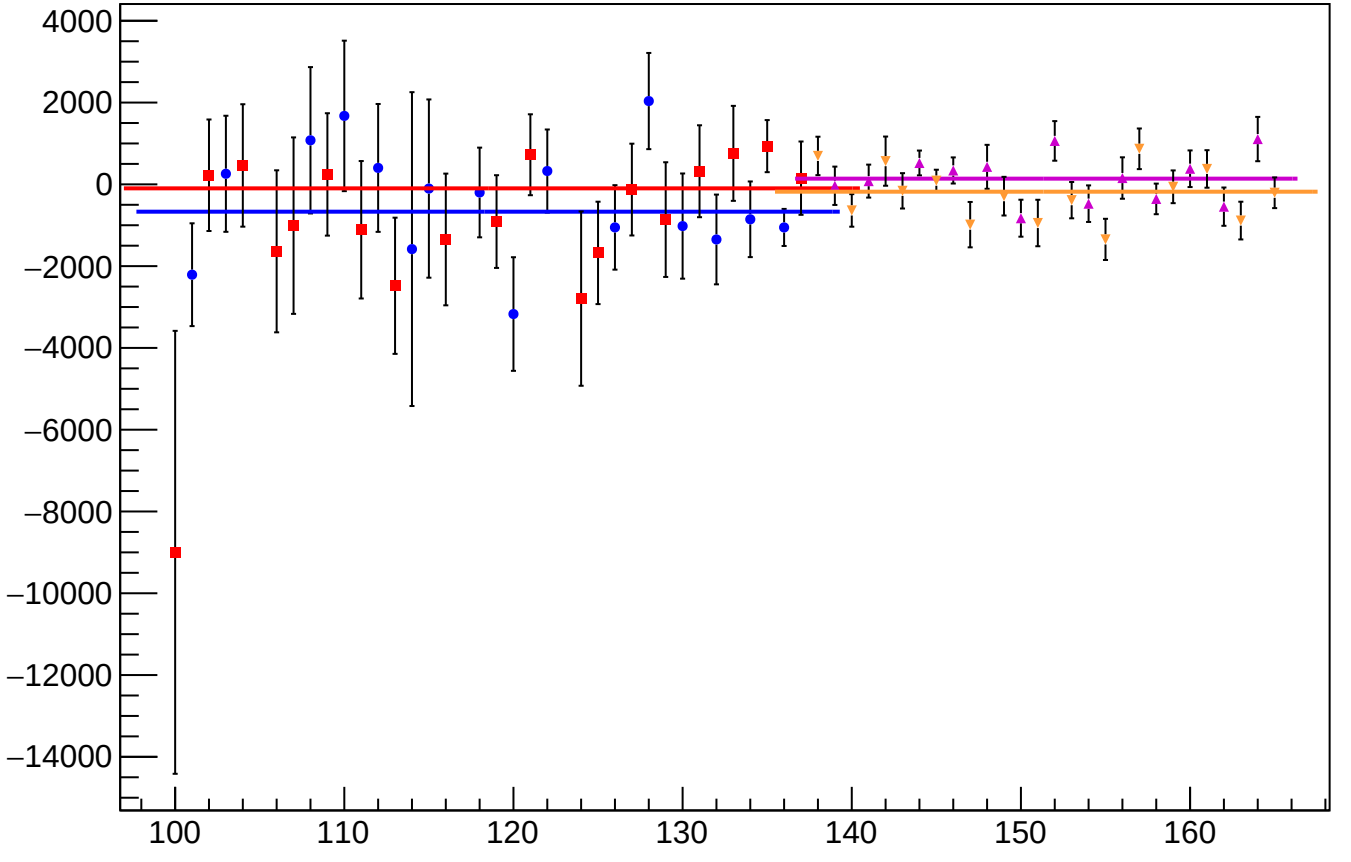
Left In: 389.036+/-0.085 χ^2/NDF:536261.9/12

+ sign 427.716+/-0.074 χ^2/NDF: 4796729.5/30

All: 434.459+/-0.054 χ^2/NDF: 9469272.2/62

- sign 441.932+/-0.078 χ^2/NDF: 4655170.9/31

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -179.606+/-112.113 χ^2/NDF:25.3/14

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

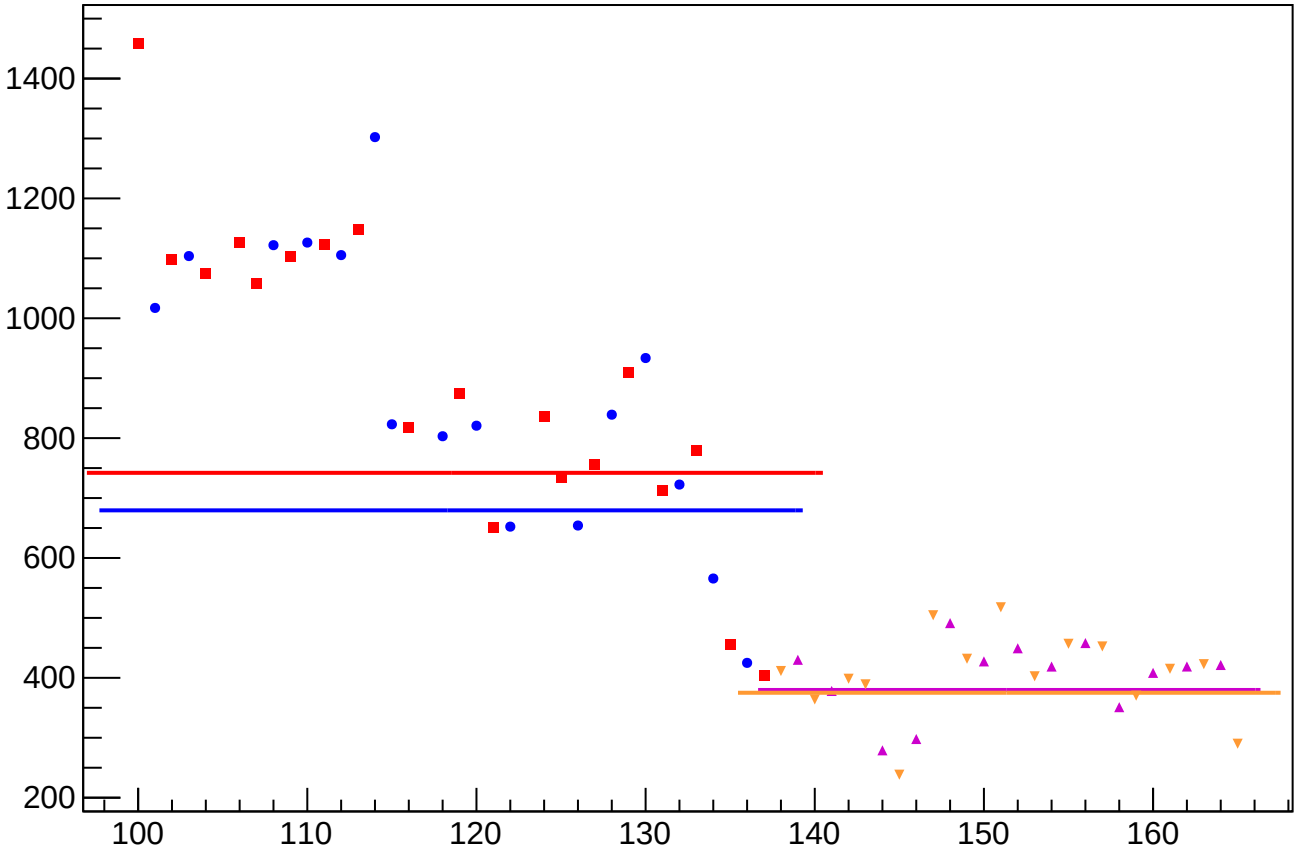
Left In: 139.473+/-117.062 χ^2/NDF:19.9/12

+ sign -252.213+/-103.454 χ^2/NDF: 44.2/30

All: -81.652+/-74.818 χ^2/NDF: 85.3/62

- sign 105.372+/-108.332 χ^2/NDF: 35.3/31

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 375.107+/-0.079 χ^2/NDF:1050656.6/14

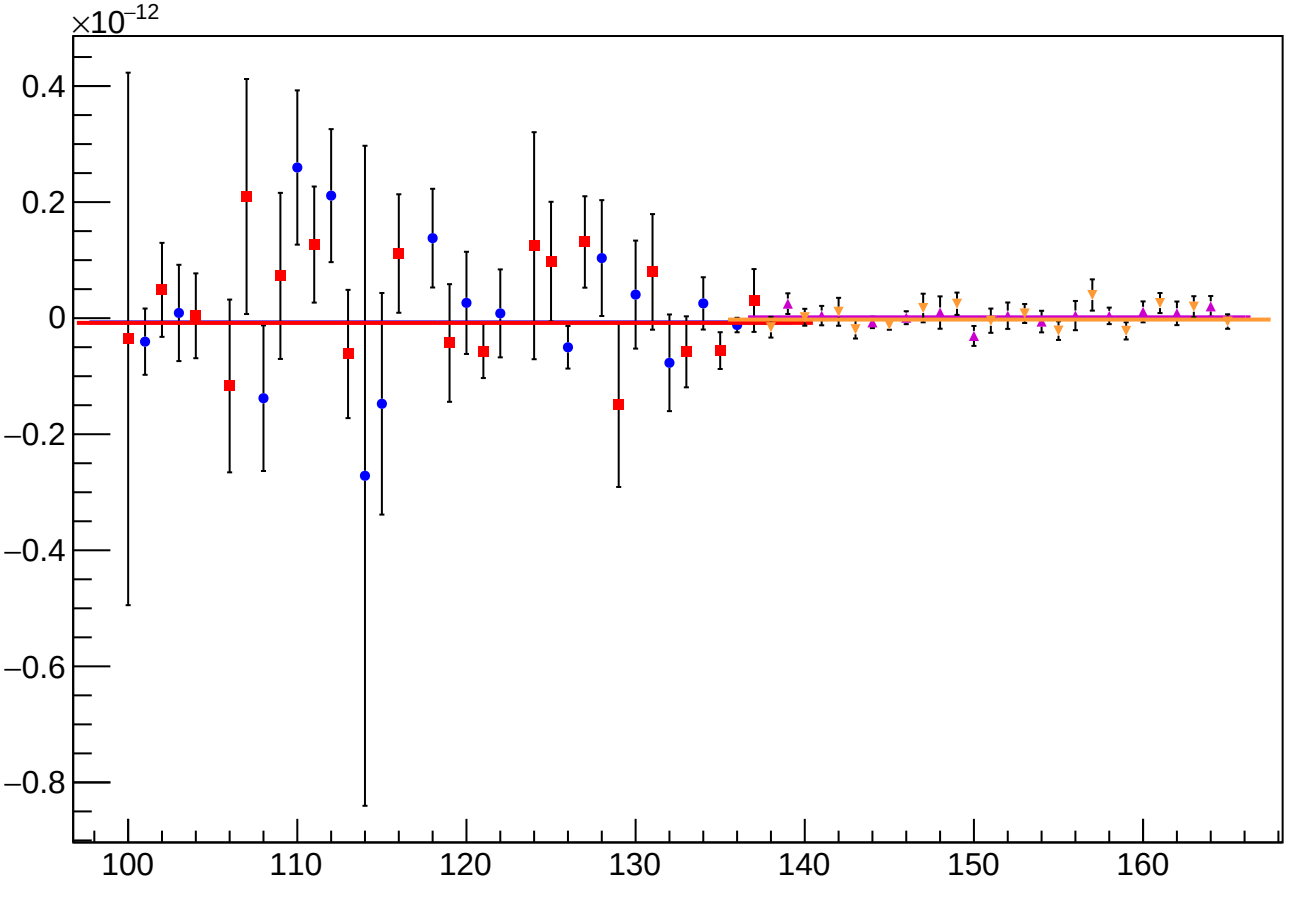
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 379.749+/-0.083 χ^2/NDF:633079.8/12

+ sign 420.308+/-0.073 χ^2/NDF: 4840626.1/30

All: 425.779+/-0.053 χ^2/NDF: 9741193.3/62

- sign 431.778+/-0.077 χ^2/NDF: 4888840.4/31



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/14

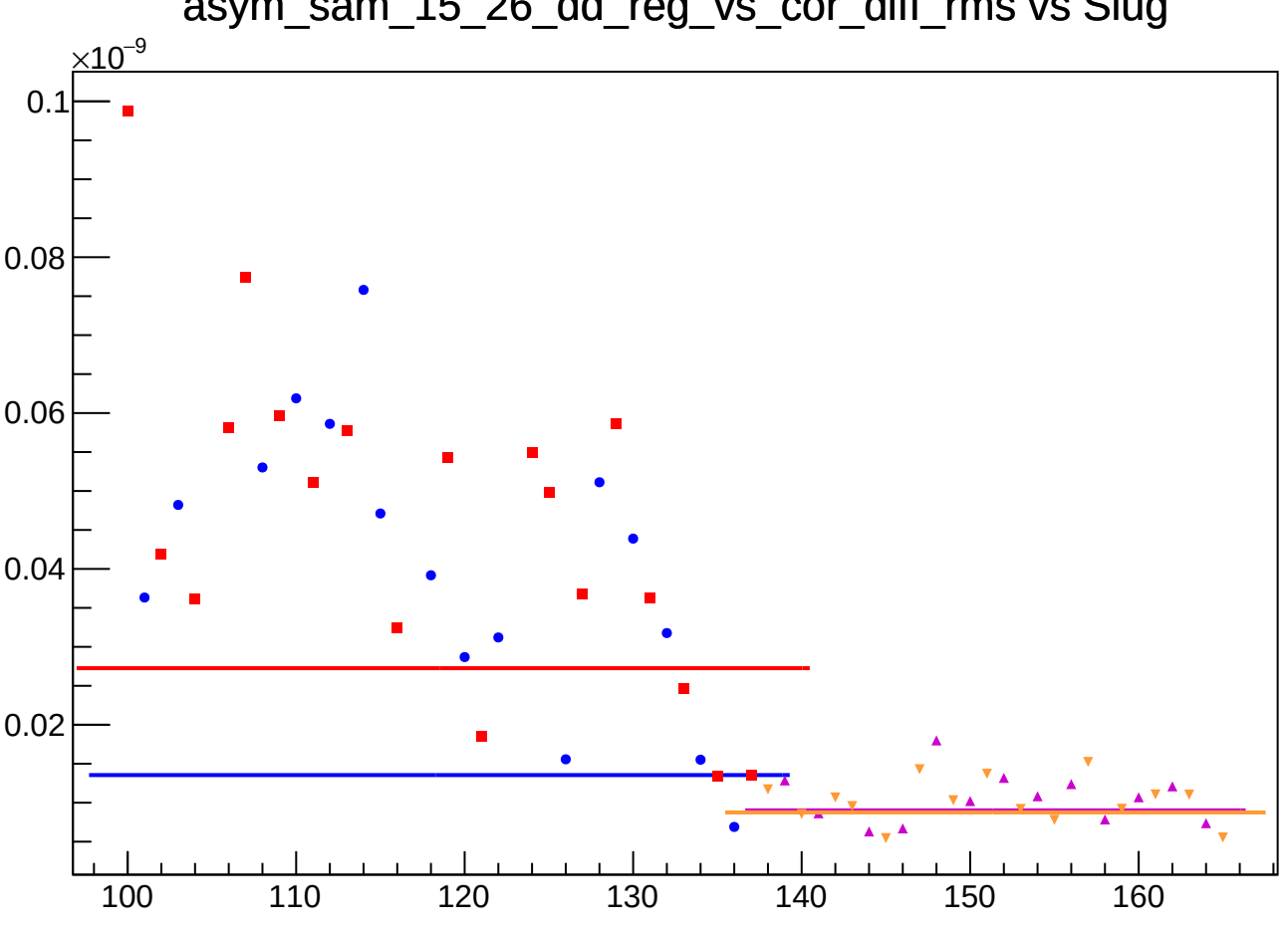
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/12

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/30

All: -0.000+/-0.000 χ^2/NDF: 59.0/62

- sign 0.000+/-0.000 χ^2/NDF: 25.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:907388.5/14

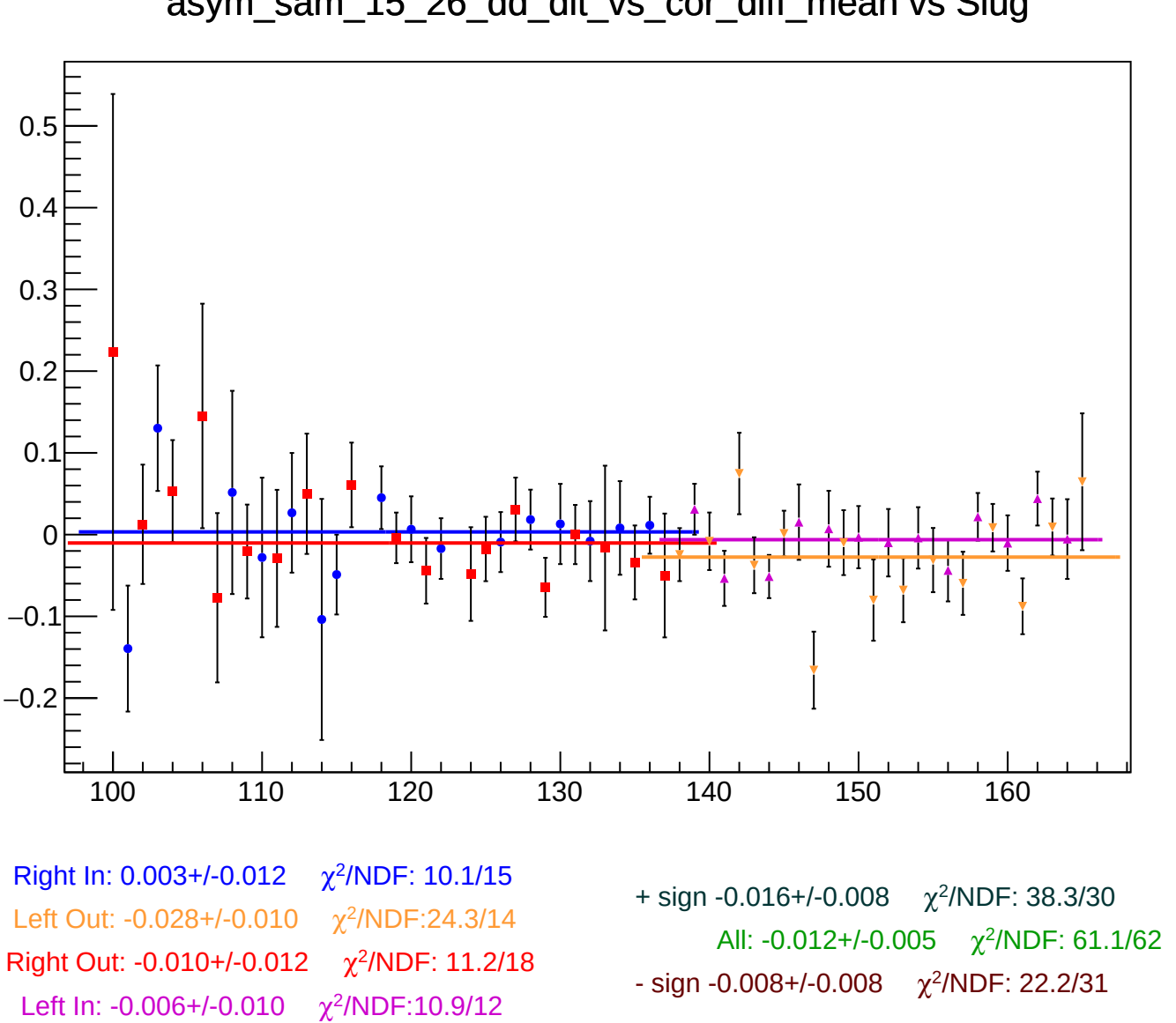
Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:763983.7/12

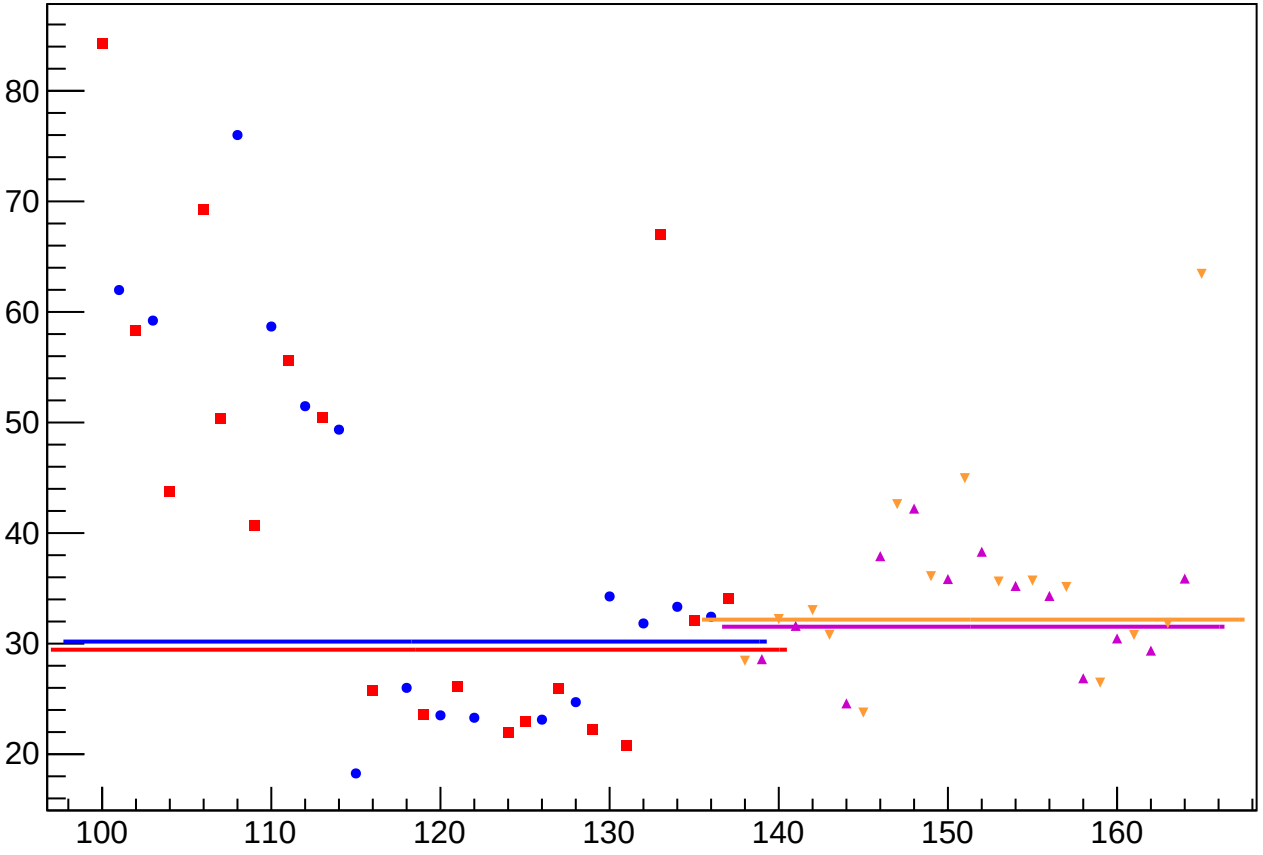
+ sign 0.000+/-0.000 χ^2/NDF: 4317043.6/30

All: 0.000+/-0.000 χ^2/NDF: 8932611.3/62

- sign 0.000+/-0.000 χ^2/NDF: 4579453.2/31


asym_sam_15_26_dd_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
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.028+/-0.010 χ²/NDF:24.3/14
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.006+/-0.010 χ²/NDF:10.9/12
+ sign -0.016+/-0.008 χ²/NDF: 38.3/30
All: -0.012+/-0.005 χ²/NDF: 61.1/62
- sign -0.008+/-0.008 χ²/NDF: 22.2/31

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: 32.174+/-0.007 χ^2/NDF:863841.3/14

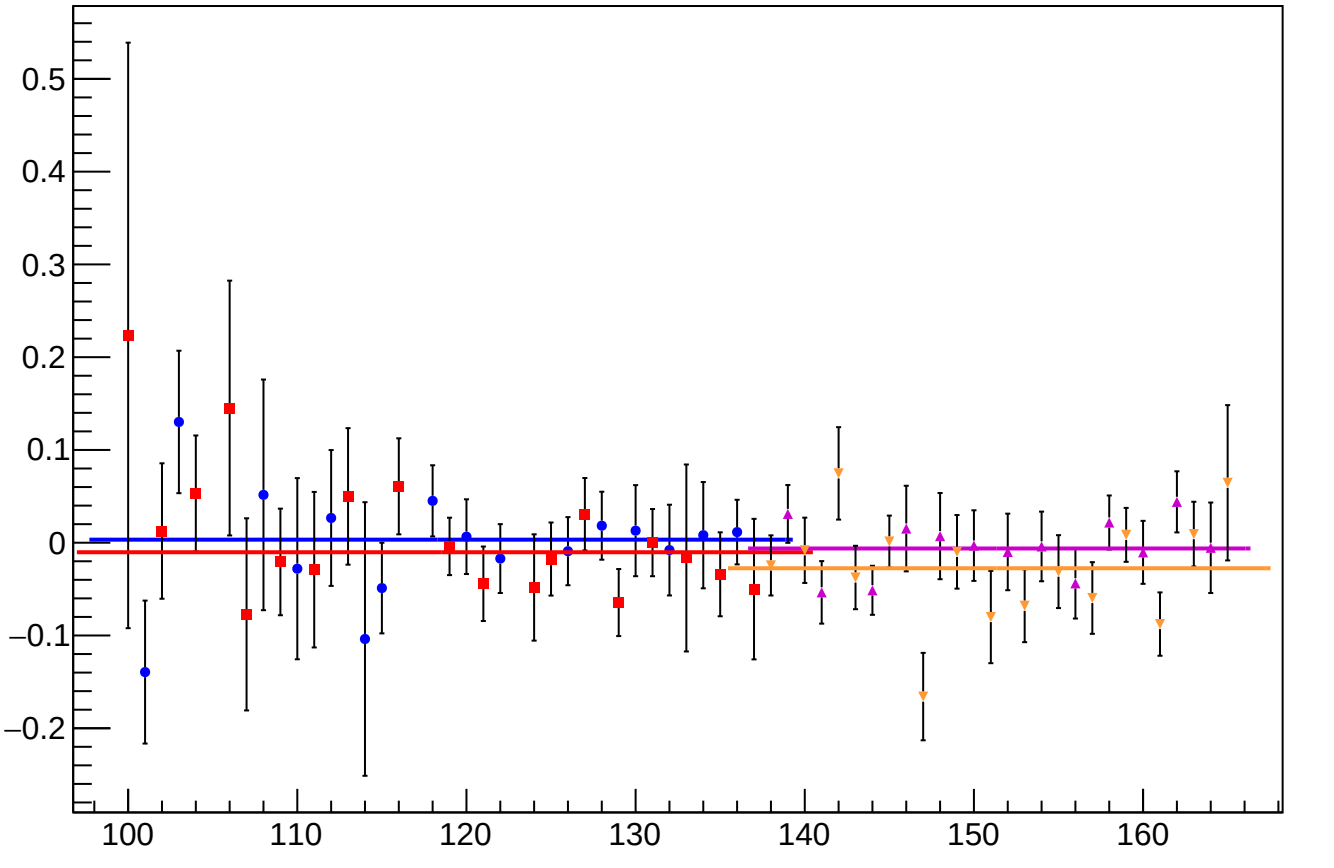
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.531+/-0.007 χ^2/NDF:486970.0/12

+ sign 31.416+/-0.005 χ^2/NDF: 2583614.7/30

All: 31.047+/-0.004 χ^2/NDF: 4965280.8/62

- sign 30.680+/-0.005 χ^2/NDF: 2372213.7/31



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.028+/-0.010 χ^2/NDF:24.3/14

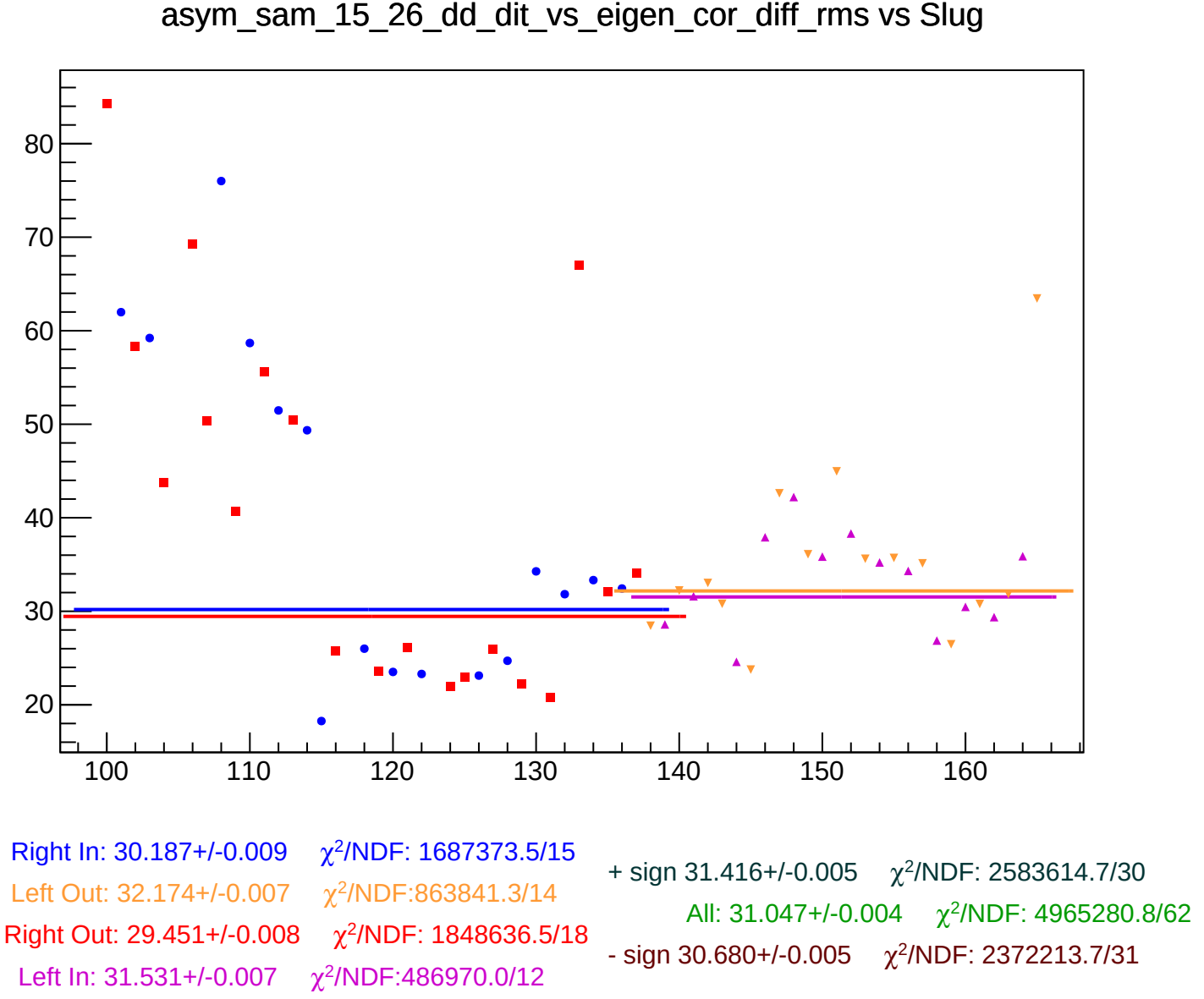
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

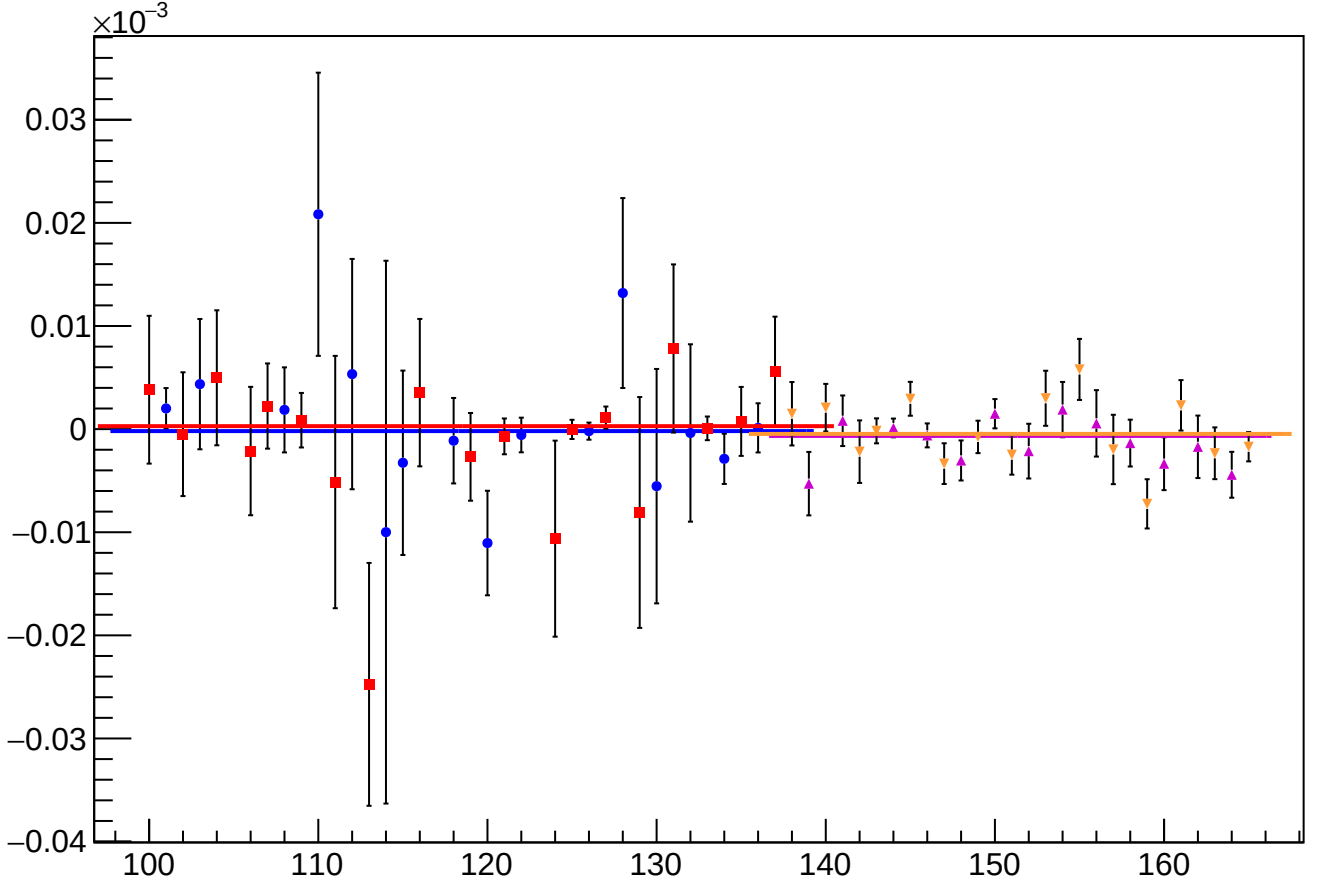
Left In: -0.006+/-0.010 χ^2/NDF:10.9/12

+ sign -0.016+/-0.008 χ^2/NDF: 38.3/30

All: -0.012+/-0.005 χ^2/NDF: 61.1/62

- sign -0.008+/-0.008 χ^2/NDF: 22.2/31


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 30.187+/-0.009 χ2/NDF: 1687373.5/15
Left Out: 32.174+/-0.007 χ2/NDF:863841.3/14
Right Out: 29.451+/-0.008 χ2/NDF: 1848636.5/18
Left In: 31.531+/-0.007 χ2/NDF:486970.0/12
+ sign 31.416+/-0.005 χ2/NDF: 2583614.7/30
All: 31.047+/-0.004 χ2/NDF: 4965280.8/62
- sign 30.680+/-0.005 χ2/NDF: 2372213.7/31



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/14

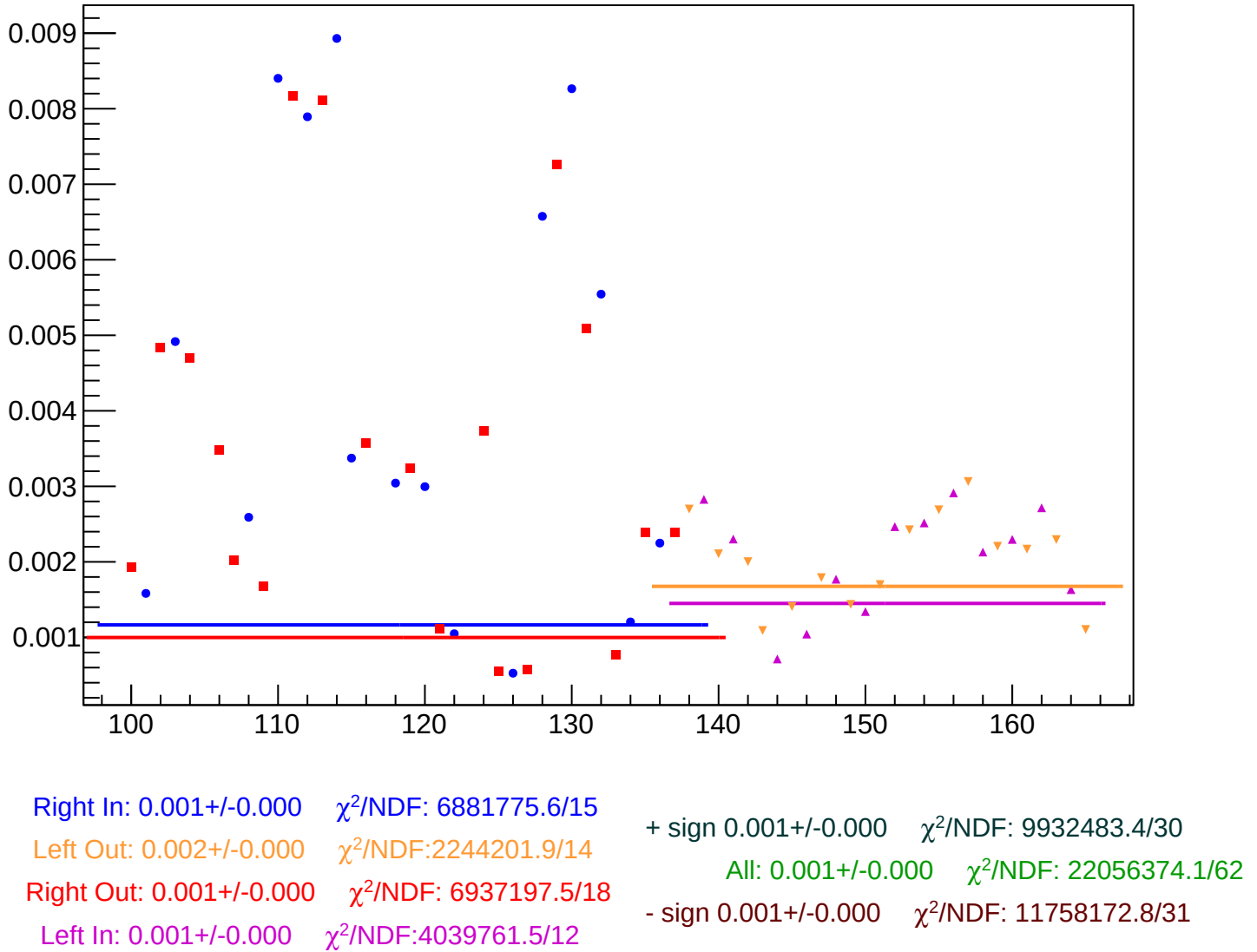
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

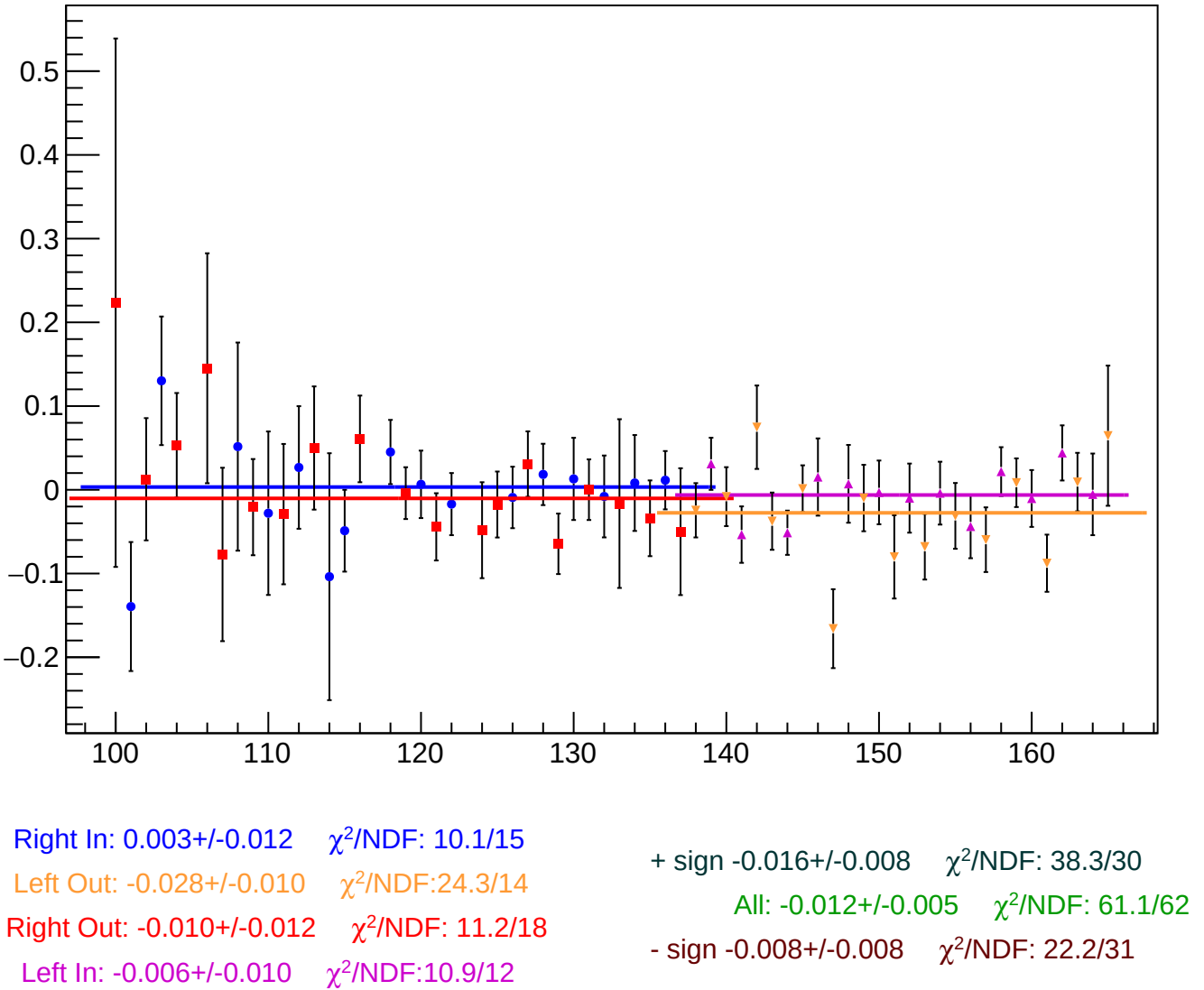
Left In: -0.000+/-0.000 χ^2/NDF:12.7/12

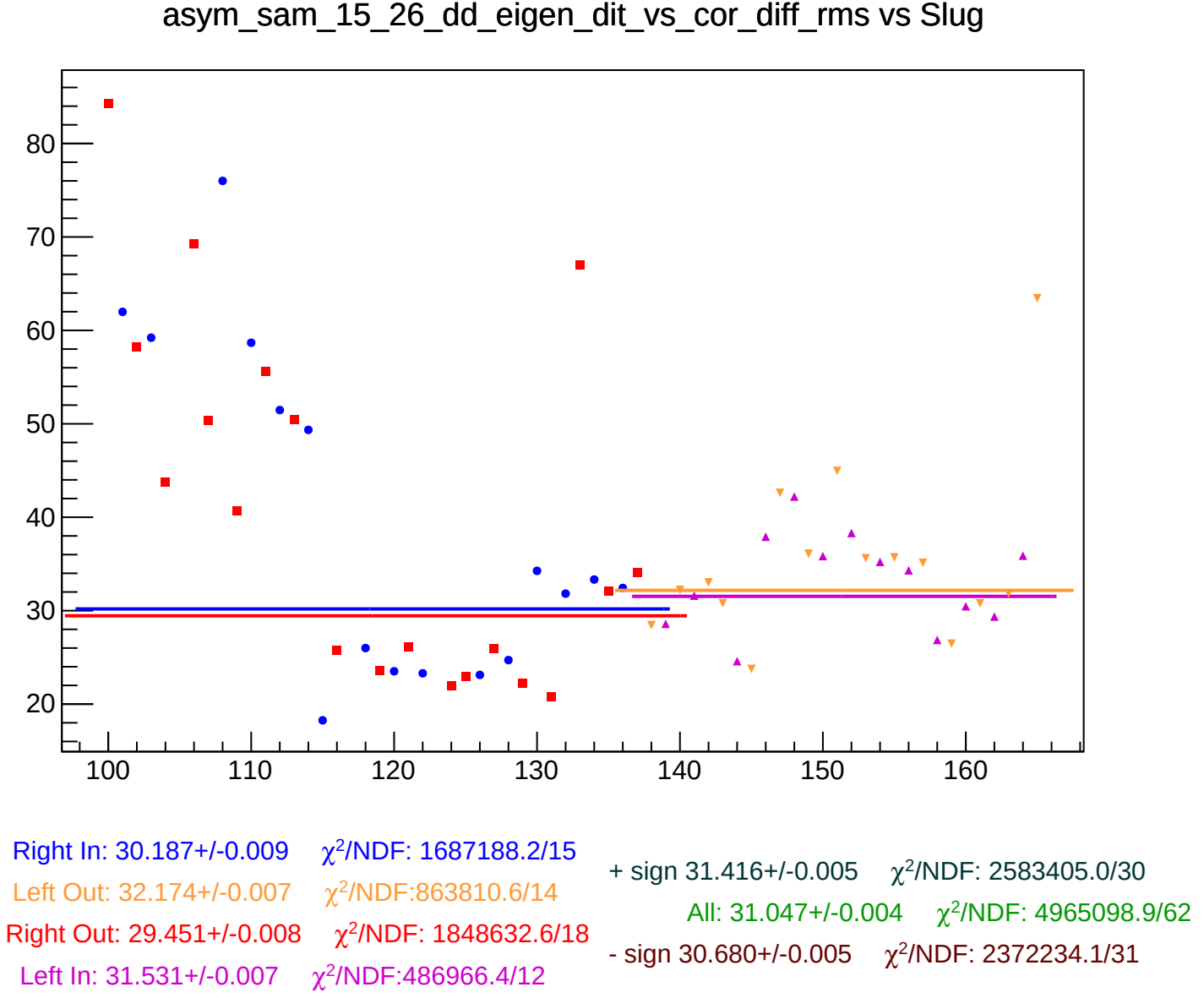
+ sign -0.000+/-0.000 χ^2/NDF: 39.8/30

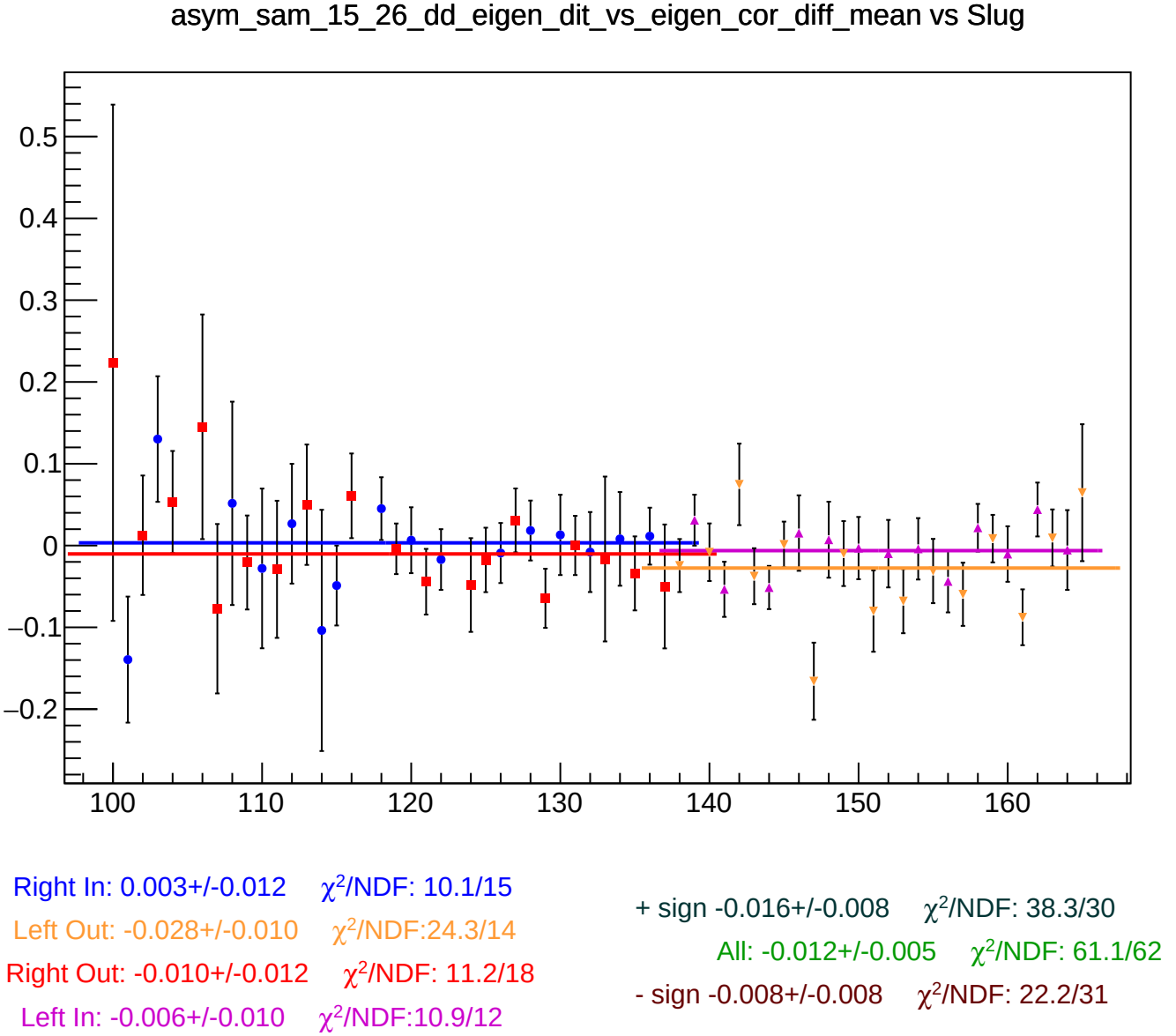
All: -0.000+/-0.000 χ^2/NDF: 65.7/62

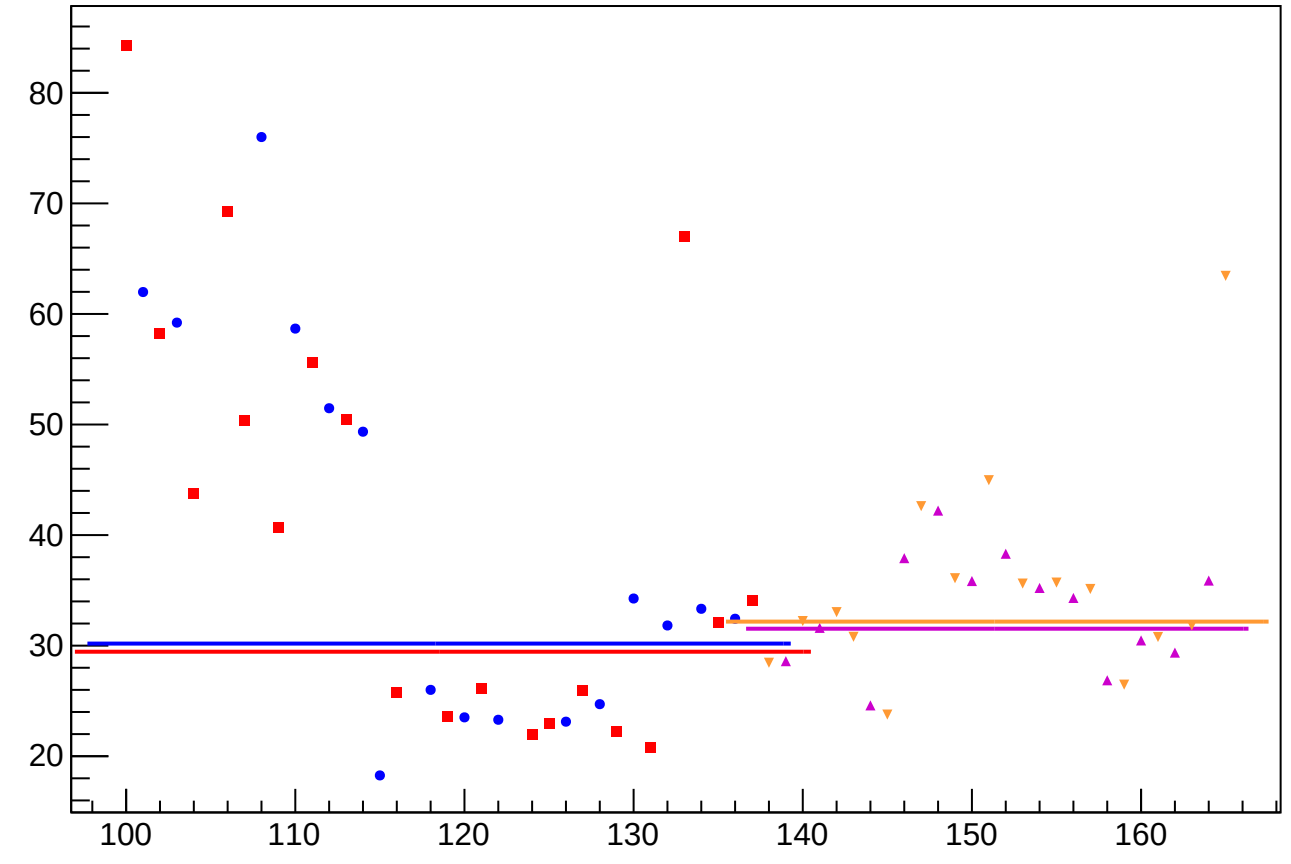
- sign -0.000+/-0.000 χ^2/NDF: 25.8/31


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2244201.9/14
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.001+/-0.000 χ²/NDF:4039761.5/12
+ sign 0.001+/-0.000 χ²/NDF: 9932483.4/30
All: 0.001+/-0.000 χ²/NDF: 22056374.1/62
- sign 0.001+/-0.000 χ²/NDF: 11758172.8/31


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
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.028+/-0.010 χ²/NDF:24.3/14
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.006+/-0.010 χ²/NDF:10.9/12
+ sign -0.016+/-0.008 χ²/NDF: 38.3/30
All: -0.012+/-0.005 χ²/NDF: 61.1/62
- sign -0.008+/-0.008 χ²/NDF: 22.2/31


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 30.187+/-0.009 χ2/NDF: 1687188.2/15
Left Out: 32.174+/-0.007 χ2/NDF:863810.6/14
Right Out: 29.451+/-0.008 χ2/NDF: 1848632.6/18
Left In: 31.531+/-0.007 χ2/NDF:486966.4/12
+ sign 31.416+/-0.005 χ2/NDF: 2583405.0/30
All: 31.047+/-0.004 χ2/NDF: 4965098.9/62
- sign 30.680+/-0.005 χ2/NDF: 2372234.1/31


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.028+/-0.010 χ²/NDF:24.3/14
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.006+/-0.010 χ²/NDF:10.9/12
+ sign -0.016+/-0.008 χ²/NDF: 38.3/30
All: -0.012+/-0.005 χ²/NDF: 61.1/62
- sign -0.008+/-0.008 χ²/NDF: 22.2/31



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.174+/-0.007 χ^2/NDF:863810.6/14

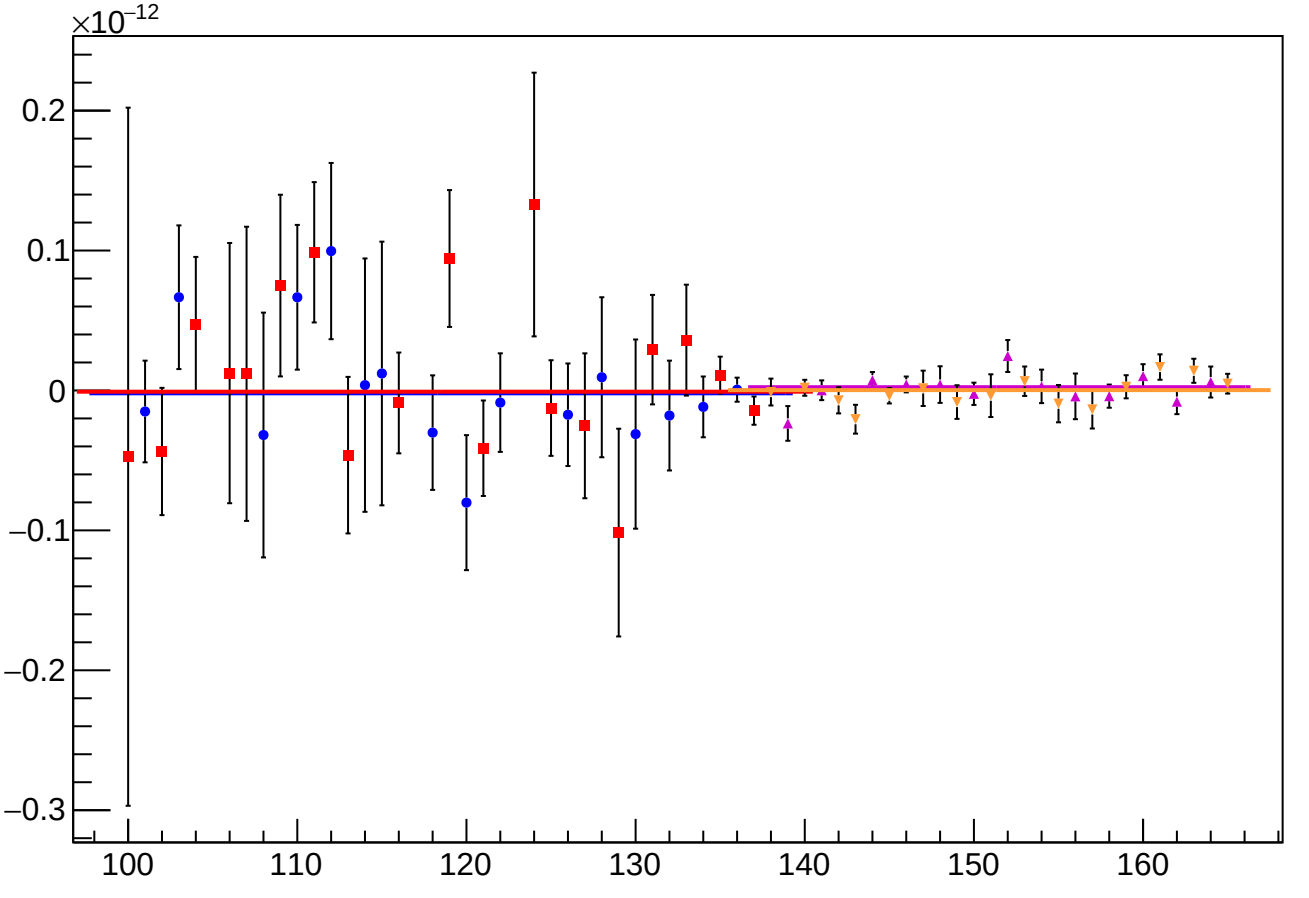
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.531+/-0.007 χ^2/NDF:486966.4/12

+ sign 31.416+/-0.005 χ^2/NDF: 2583405.0/30

All: 31.047+/-0.004 χ^2/NDF: 4965098.9/62

- sign 30.680+/-0.005 χ^2/NDF: 2372234.1/31



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/14

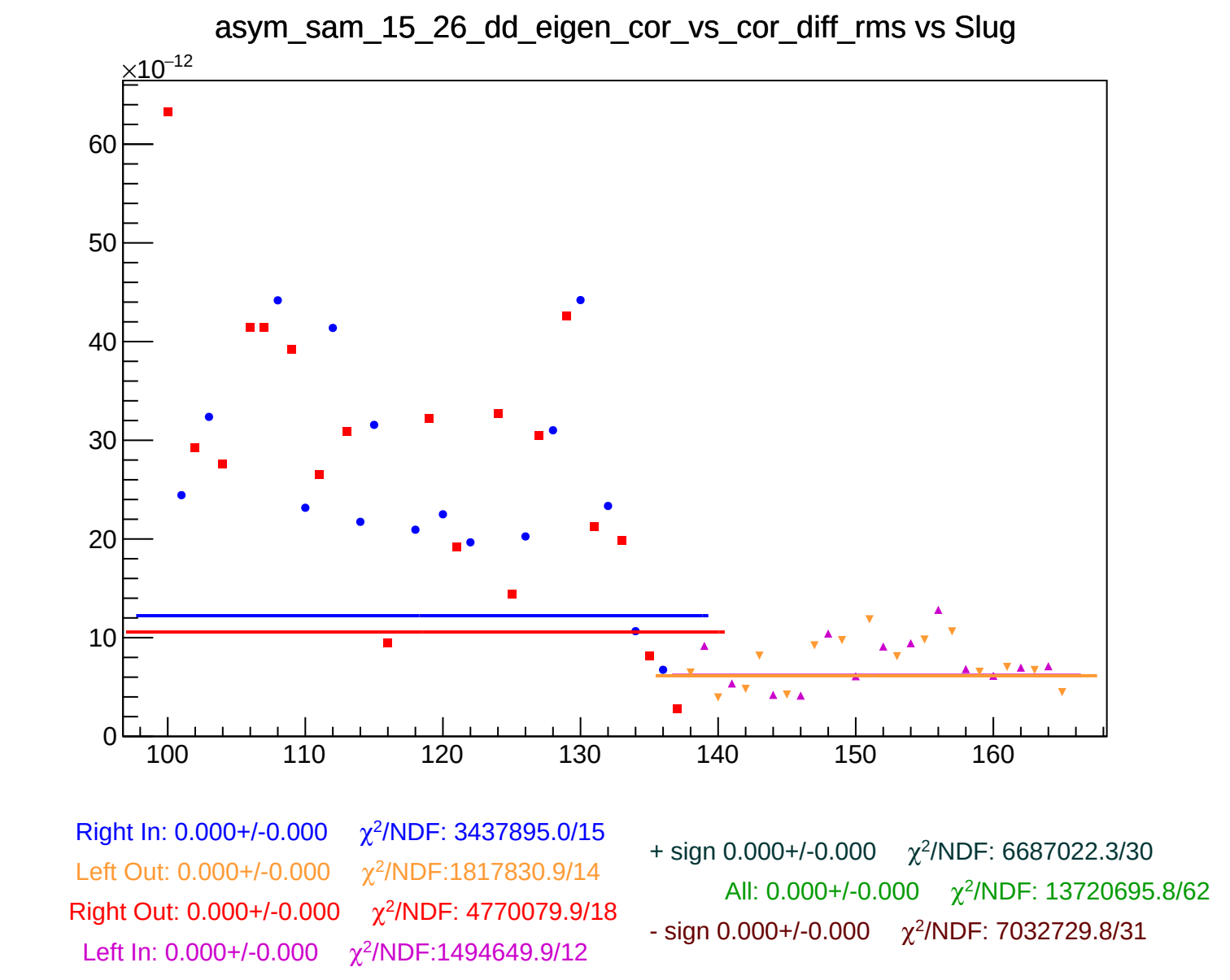
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/12

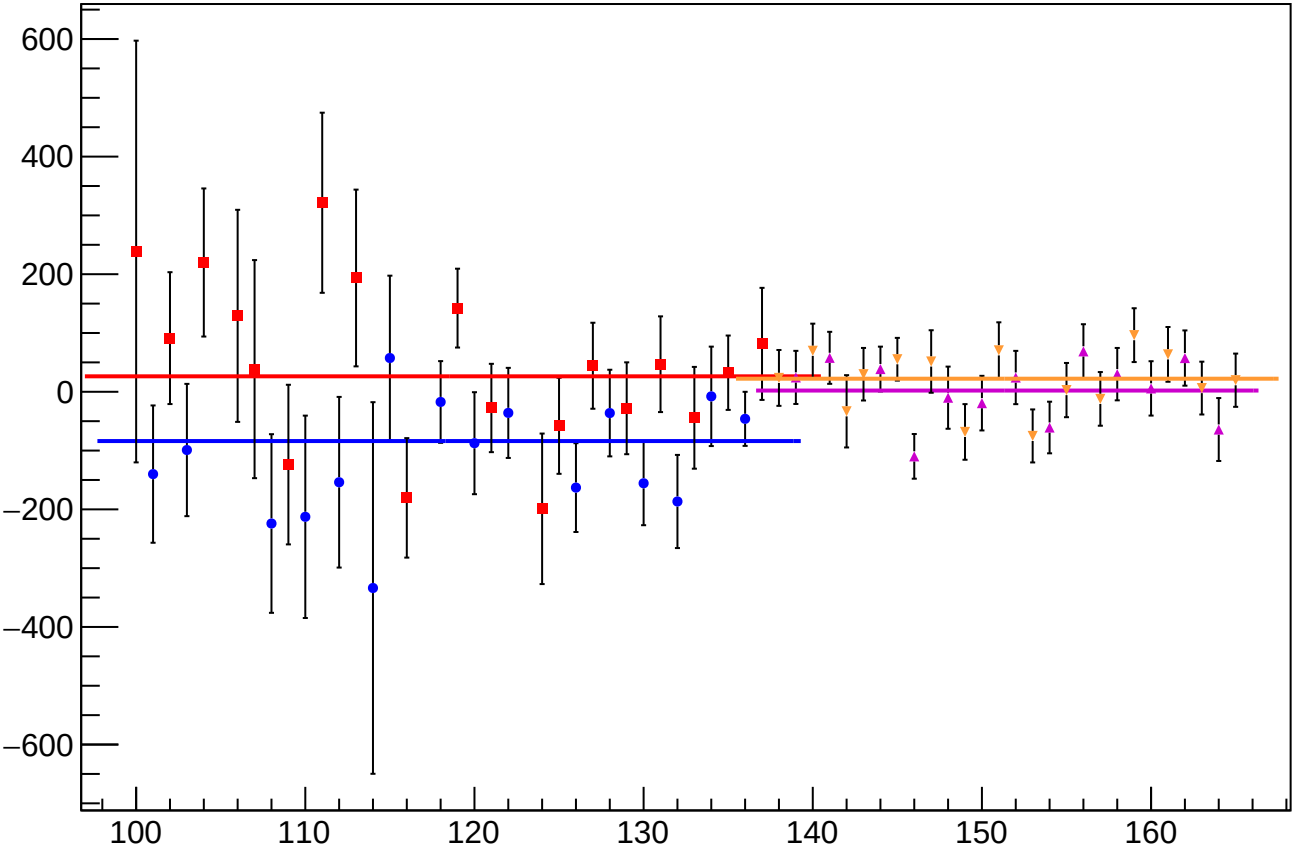
+ sign 0.000+/-0.000 χ^2/NDF: 24.7/30

All: 0.000+/-0.000 χ^2/NDF: 59.3/62

- sign 0.000+/-0.000 χ^2/NDF: 34.2/31


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1817830.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:1494649.9/12
+ sign 0.000+/-0.000 χ²/NDF: 6687022.3/30
All: 0.000+/-0.000 χ²/NDF: 13720695.8/62
- sign 0.000+/-0.000 χ²/NDF: 7032729.8/31

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.252+/-11.919 χ^2/NDF:16.7/14

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

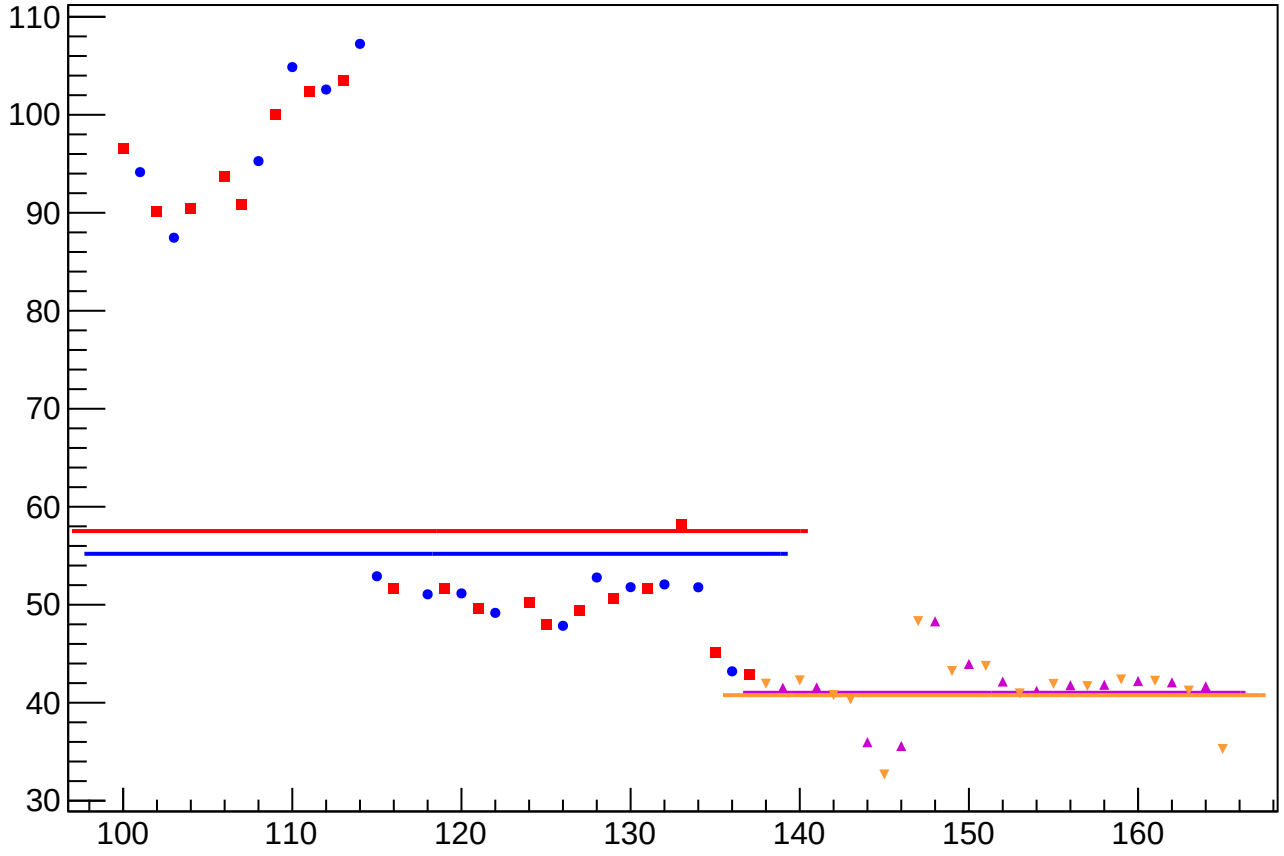
Left In: 2.102+/-12.448 χ^2/NDF:19.4/12

+ sign -2.798+/-10.417 χ^2/NDF: 45.9/30

All: 2.358+/-7.512 χ^2/NDF: 89.7/62

- sign 7.944+/-10.842 χ^2/NDF: 43.3/31

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.772+/-0.008 χ^2/NDF:192664.8/14

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

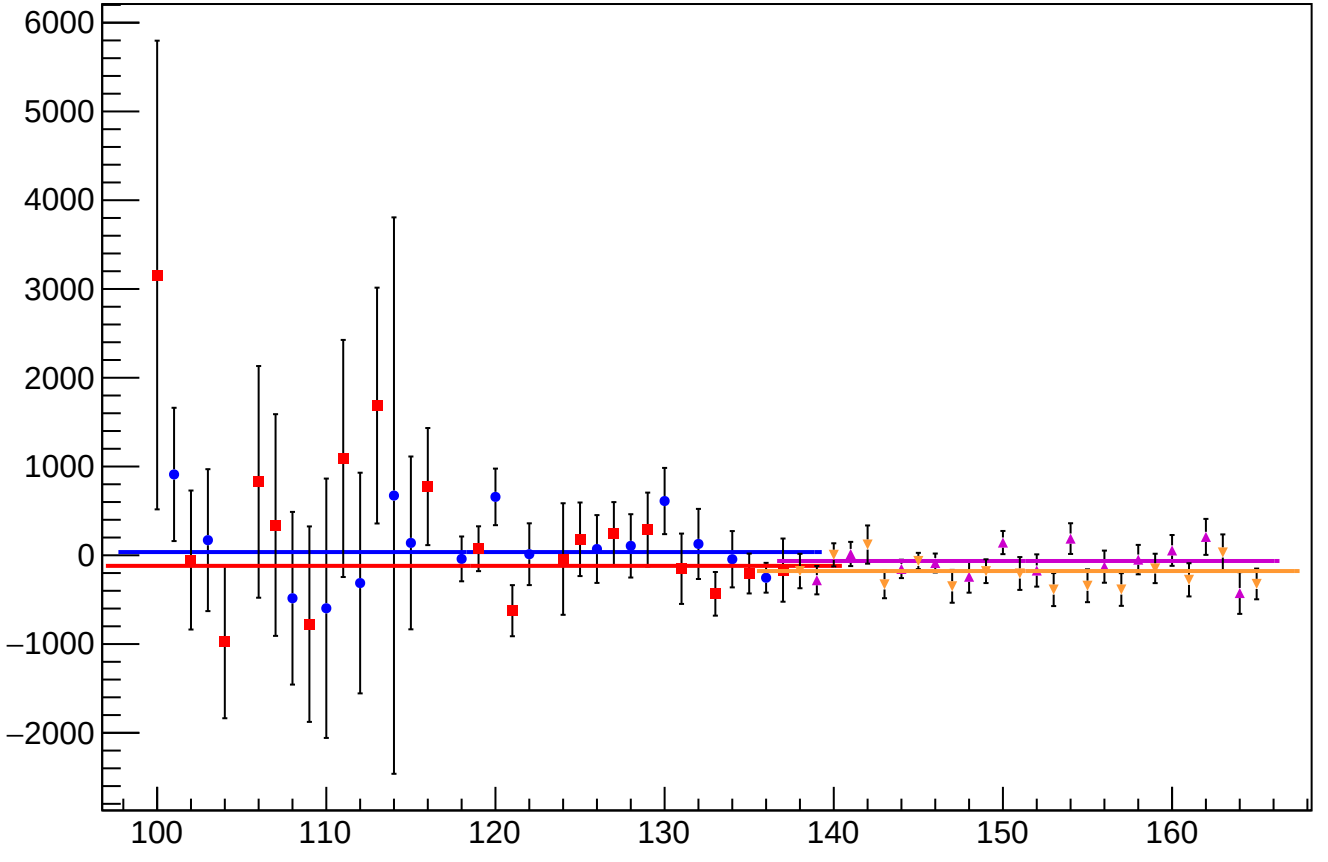
Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

+ sign 44.179+/-0.007 χ^2/NDF: 2037218.0/30

All: 44.572+/-0.005 χ^2/NDF: 4301444.4/62

- sign 44.998+/-0.008 χ^2/NDF: 2258282.6/31

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.513+/-41.100 χ^2/NDF:12.6/14

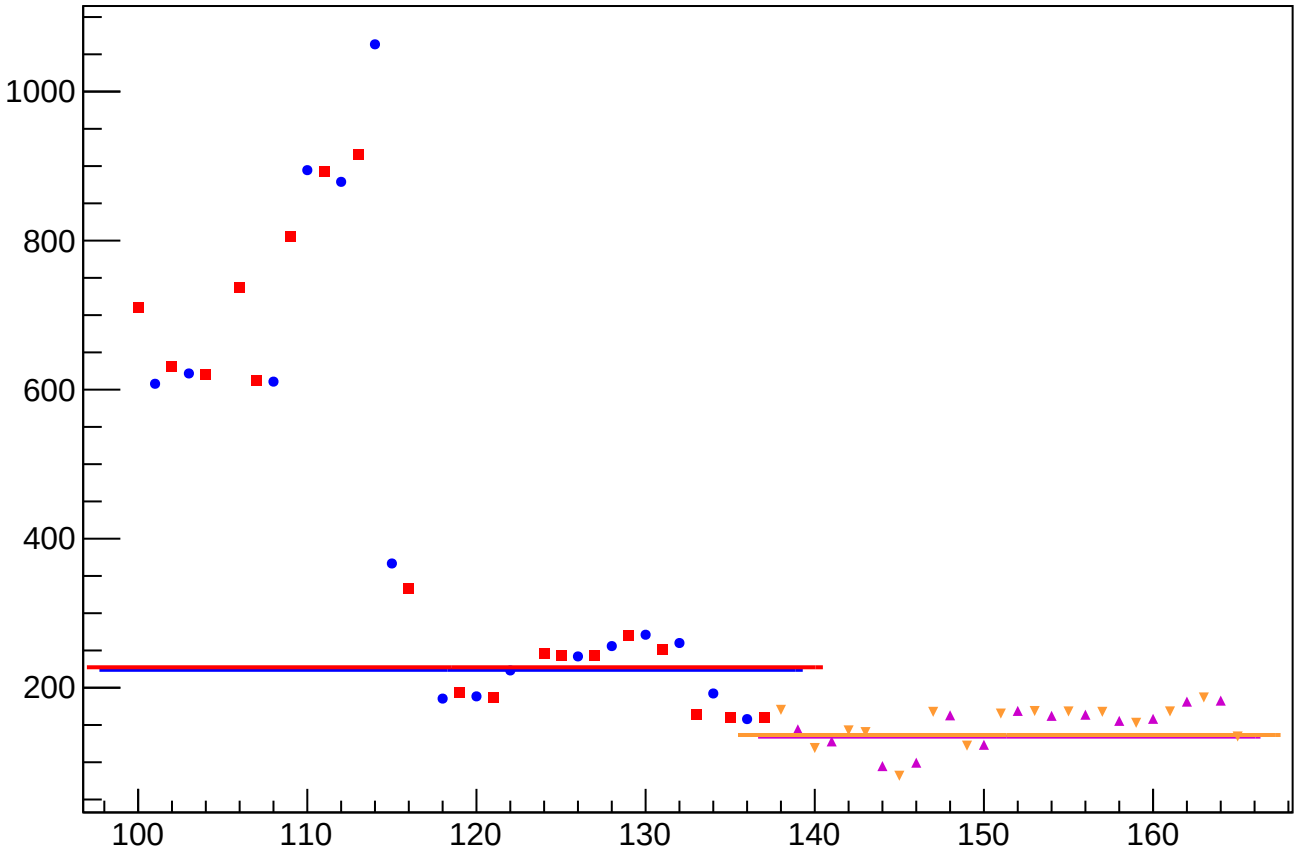
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -64.196+/-41.897 χ^2/NDF:13.7/12

+ sign -142.924+/-37.630 χ^2/NDF: 28.4/30

All: -108.669+/-26.873 χ^2/NDF: 60.1/62

- sign -73.017+/-38.389 χ^2/NDF: 30.0/31



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 136.574+/-0.029 χ^2/NDF:1313588.1/14

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

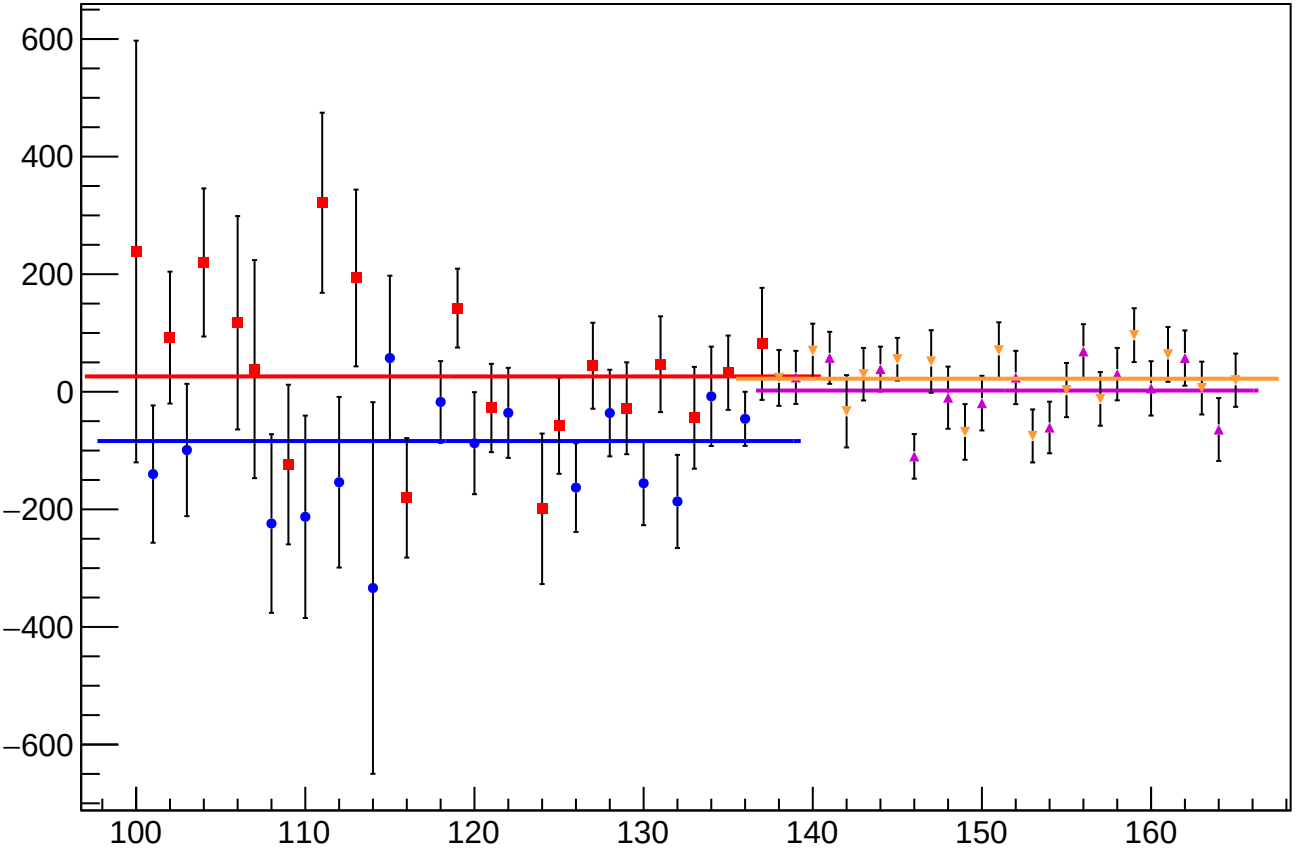
Left In: 134.364+/-0.030 χ^2/NDF:1021721.8/12

+ sign 150.722+/-0.027 χ^2/NDF: 5746809.7/30

All: 150.026+/-0.019 χ^2/NDF: 11994757.7/62

- sign 149.301+/-0.027 χ^2/NDF: 6246550.6/31

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.253+/-11.919 χ^2/NDF:16.7/14

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

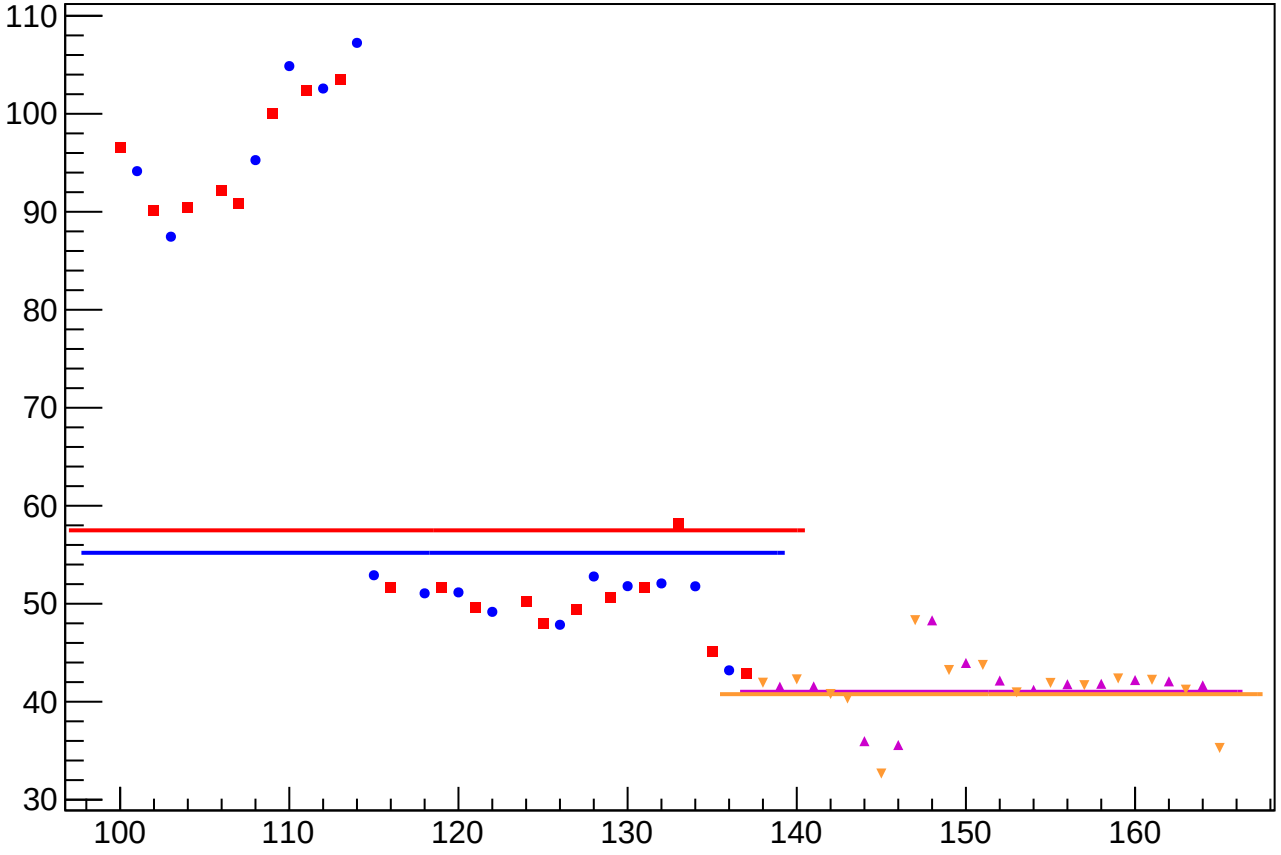
Left In: 2.102+/-12.448 χ^2/NDF:19.4/12

+ sign -2.797+/-10.417 χ^2/NDF: 45.9/30

All: 2.340+/-7.512 χ^2/NDF: 89.6/62

- sign 7.905+/-10.842 χ^2/NDF: 43.2/31

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.772+/-0.008 χ^2/NDF:192664.8/14

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

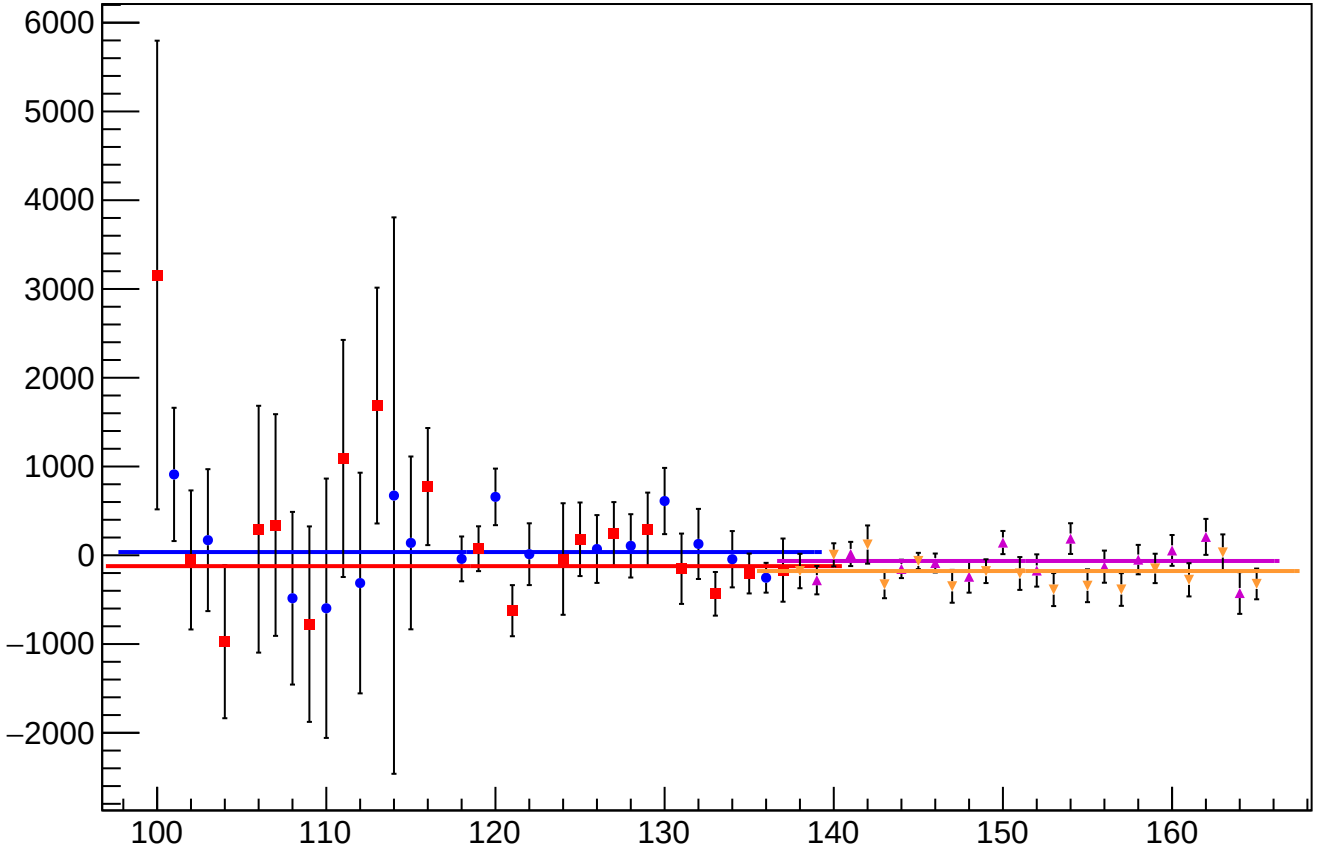
Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

\+ sign 44.179+/-0.007 χ^2/NDF: 2037218.3/30

All: 44.569+/-0.005 χ^2/NDF: 4290839.7/62

\- sign 44.991+/-0.008 χ^2/NDF: 2247786.8/31

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.514+/-41.100 χ^2/NDF:12.6/14

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

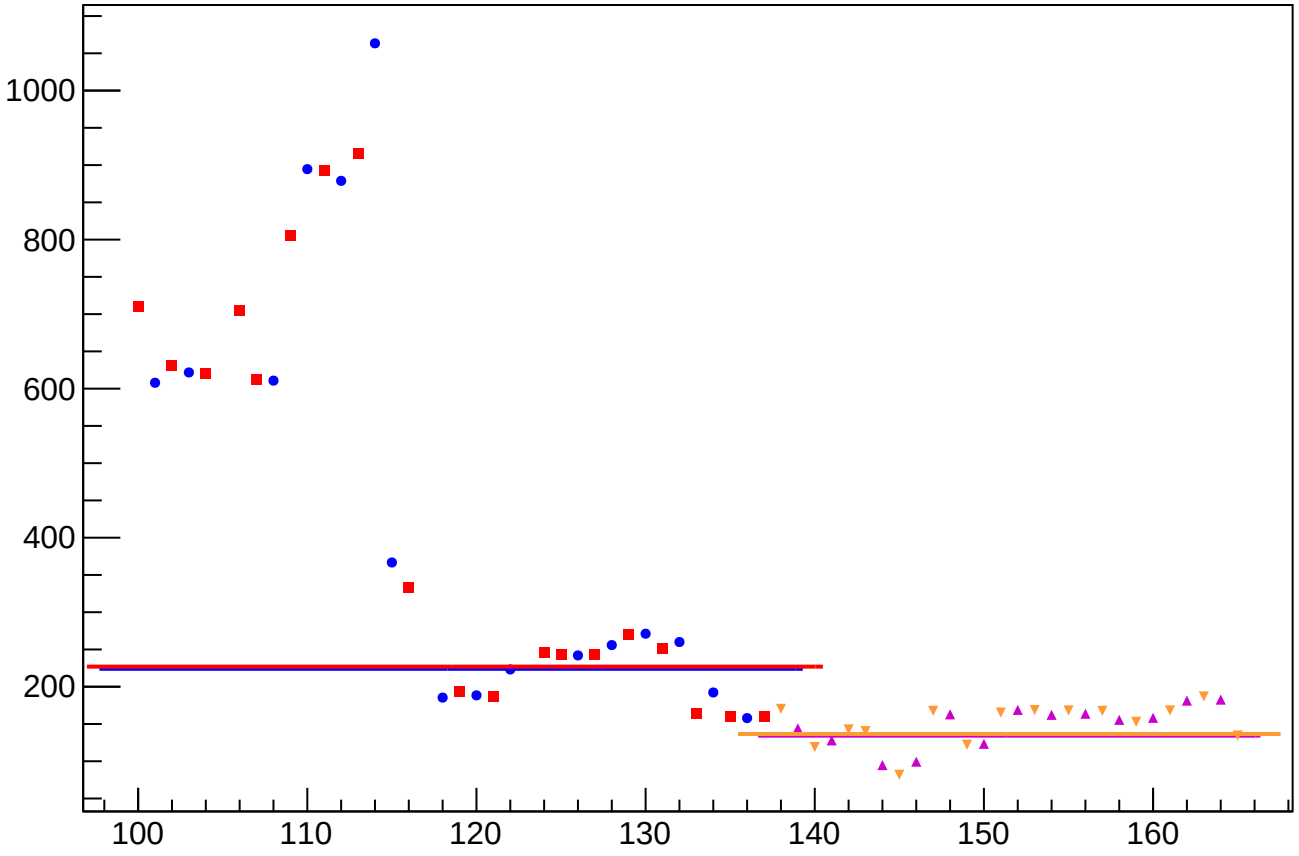
Left In: -64.195+/-41.897 χ^2/NDF:13.7/12

+ sign -142.925+/-37.630 χ^2/NDF: 28.4/30

All: -108.914+/-26.873 χ^2/NDF: 59.7/62

- sign -73.512+/-38.391 χ^2/NDF: 29.6/31

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.574+/-0.029 χ^2/NDF:1313591.3/14

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

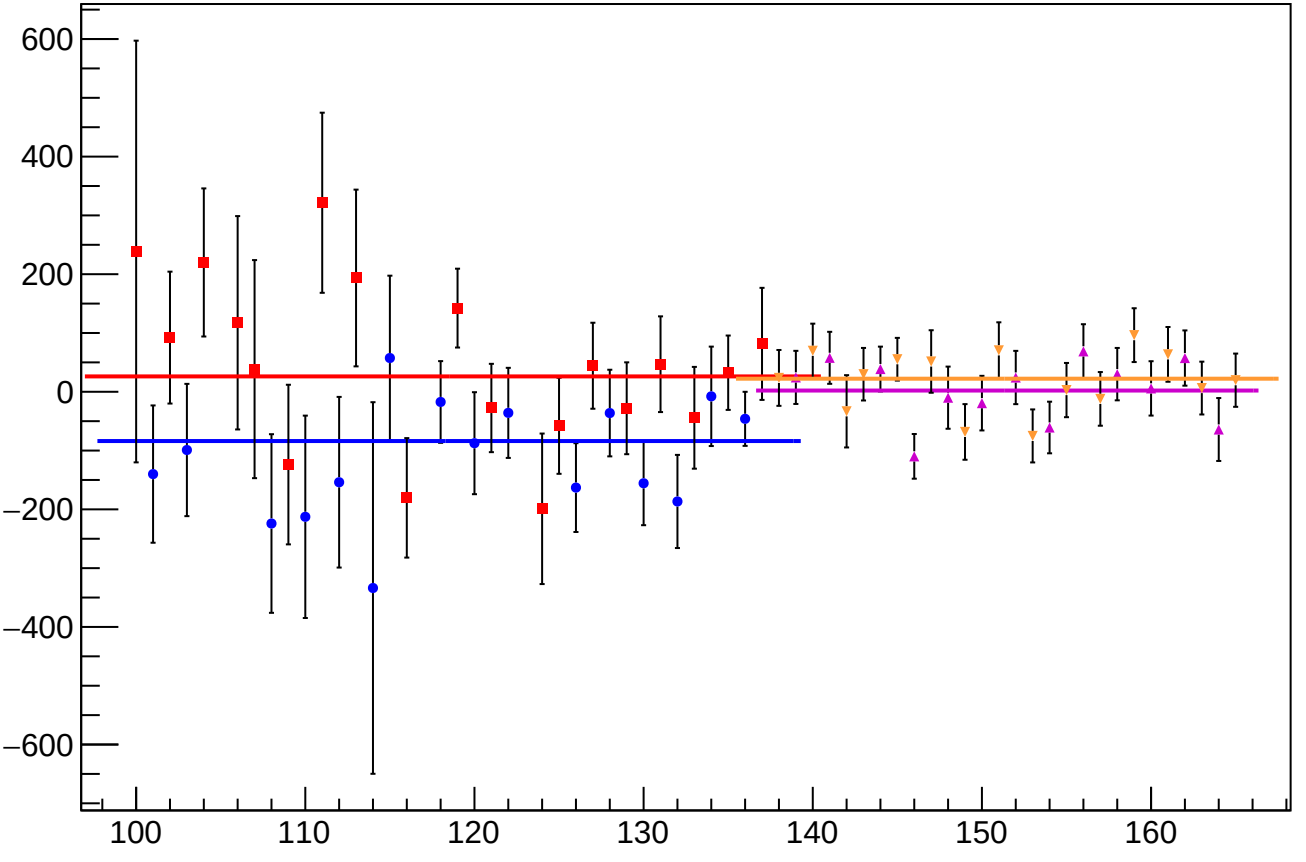
Left In: 134.364+/-0.030 χ^2/NDF:1021727.2/12

+ sign 150.722+/-0.027 χ^2/NDF: 5746820.6/30

All: 149.984+/-0.019 χ^2/NDF: 11909114.0/62

- sign 149.216+/-0.027 χ^2/NDF: 6160723.2/31

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.253+/-11.919 χ^2/NDF:16.7/14

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

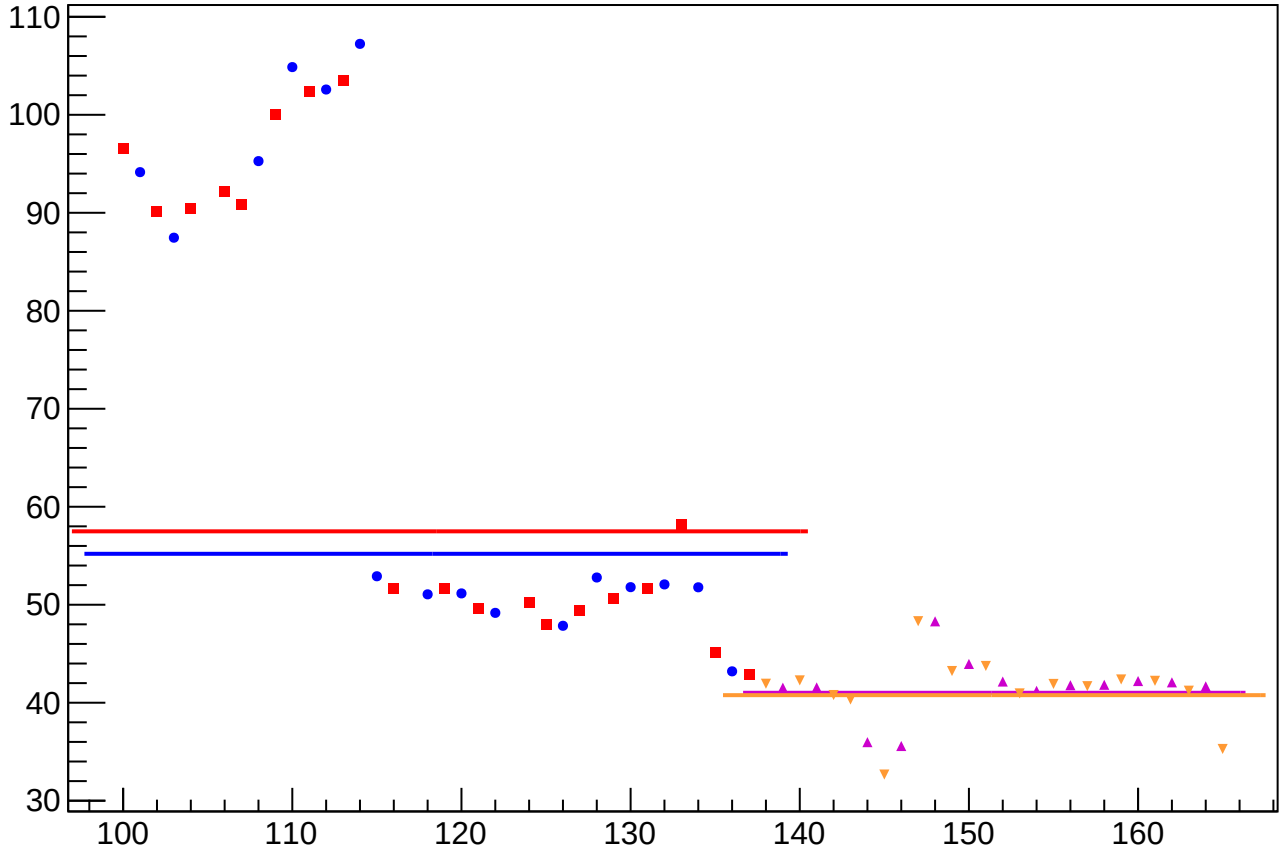
Left In: 2.102+/-12.448 χ^2/NDF:19.4/12

+ sign -2.797+/-10.417 χ^2/NDF: 45.9/30

All: 2.340+/-7.512 χ^2/NDF: 89.6/62

- sign 7.905+/-10.842 χ^2/NDF: 43.2/31

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.772+/-0.008 χ^2/NDF:192664.8/14

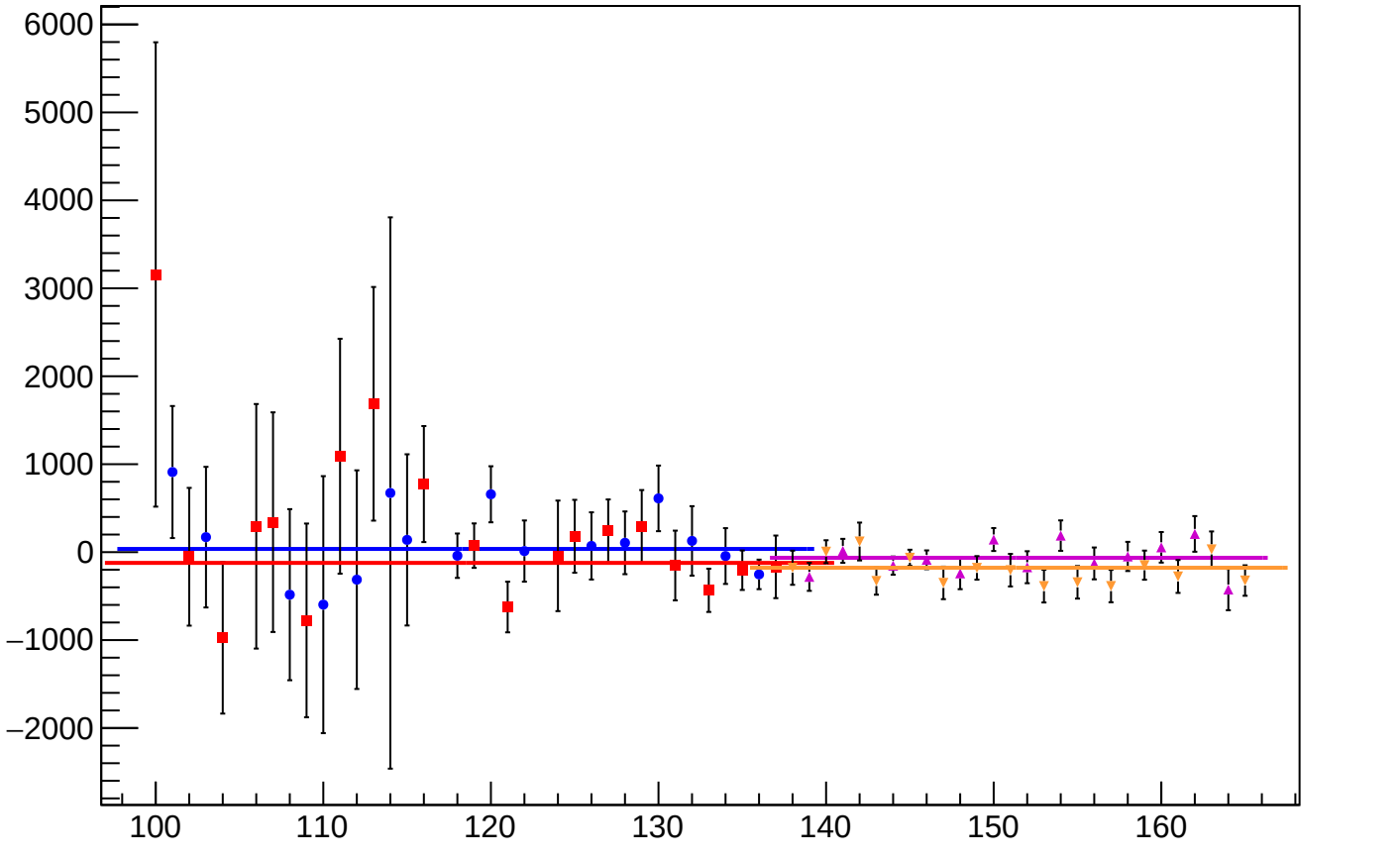
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

+ sign 44.179+/-0.007 χ^2/NDF: 2037218.3/30

All: 44.569+/-0.005 χ^2/NDF: 4290839.7/62

- sign 44.991+/-0.008 χ^2/NDF: 2247786.8/31



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.514+/-41.100 χ^2/NDF:12.6/14

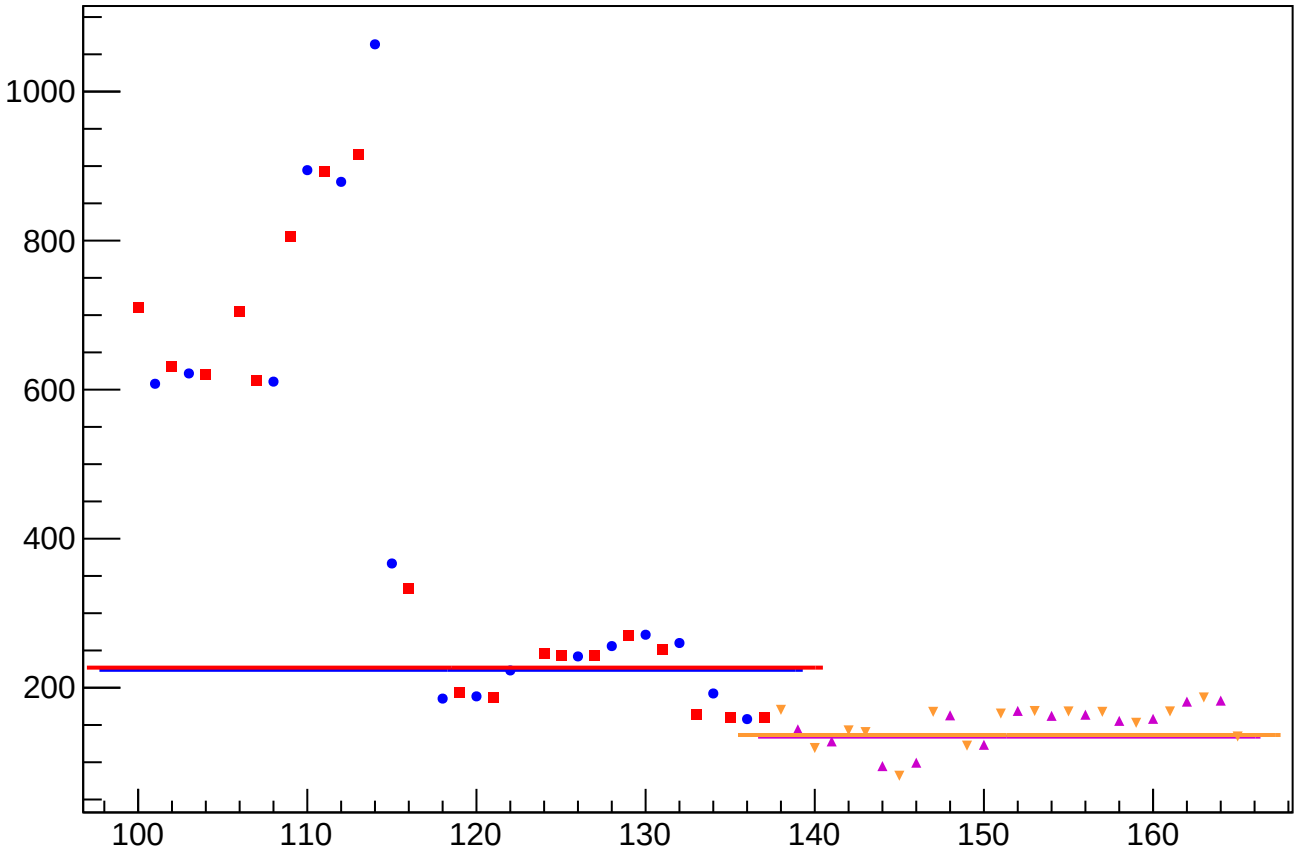
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -64.195+/-41.897 χ^2/NDF:13.7/12

+ sign -142.925+/-37.630 χ^2/NDF: 28.4/30

All: -108.914+/-26.873 χ^2/NDF: 59.7/62

- sign -73.512+/-38.391 χ^2/NDF: 29.6/31



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.574+/-0.029 χ^2/NDF:1313591.3/14

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

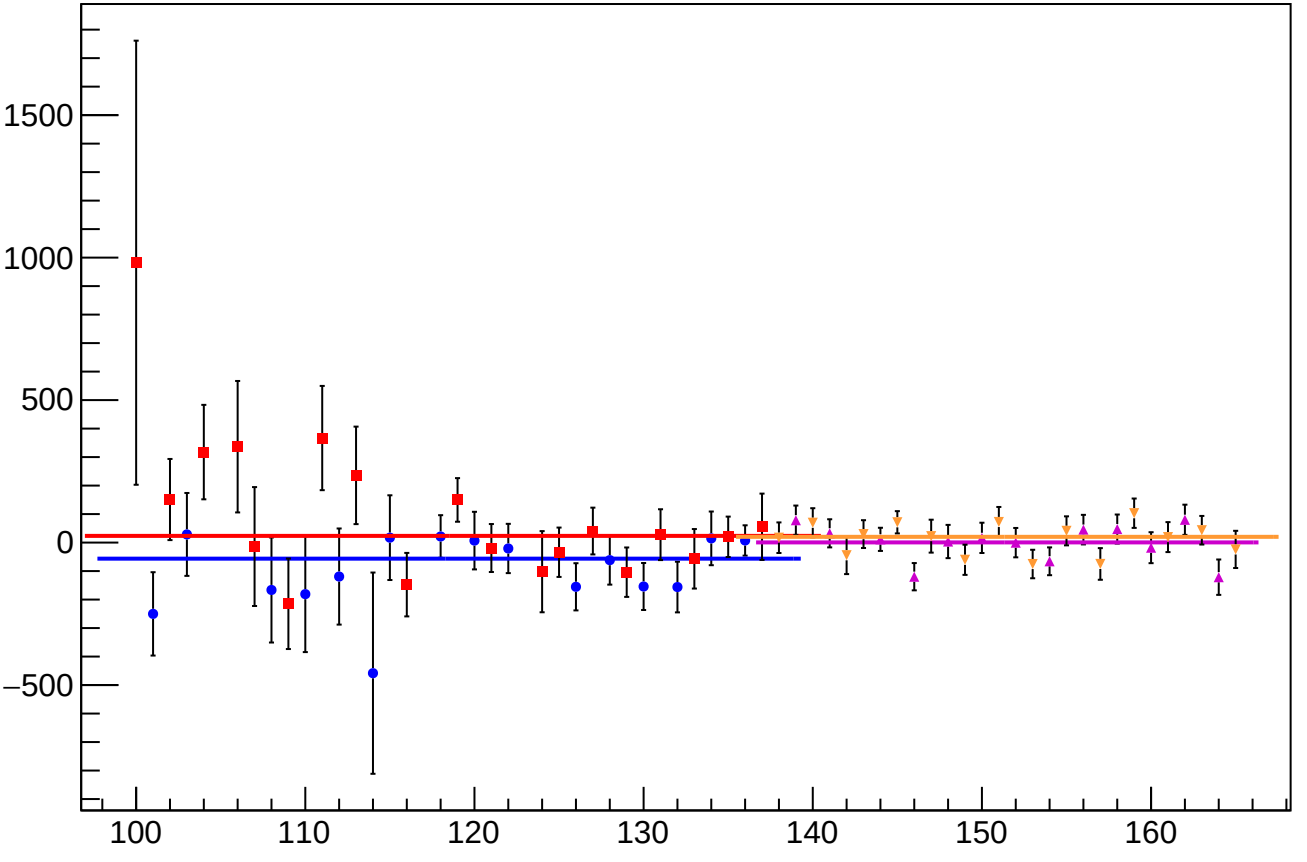
Left In: 134.364+/-0.030 χ^2/NDF:1021727.2/12

+ sign 150.722+/-0.027 χ^2/NDF: 5746820.6/30

All: 149.984+/-0.019 χ^2/NDF: 11909114.0/62

- sign 149.216+/-0.027 χ^2/NDF: 6160723.2/31

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.179+/-13.448 χ^2/NDF:16.9/14

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

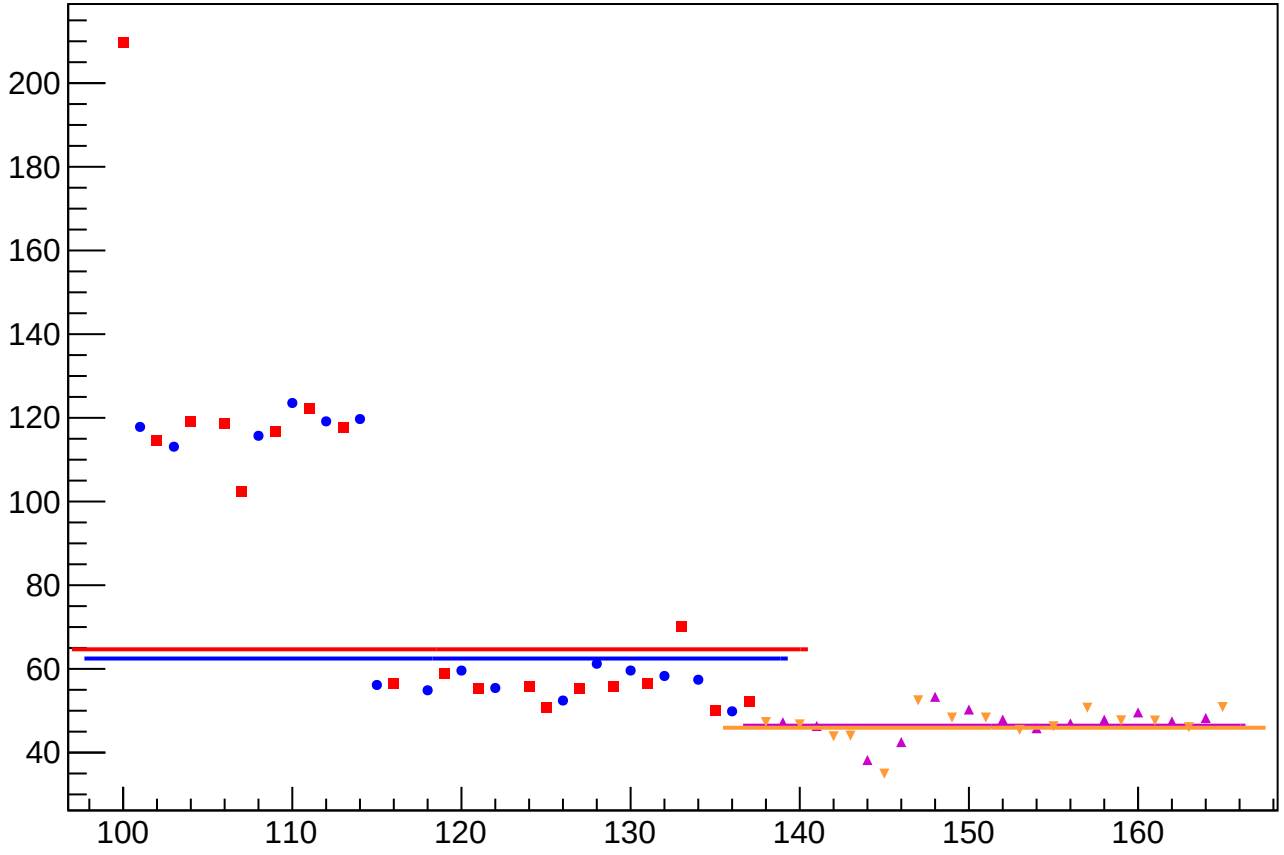
Left In: 0.590+/-14.161 χ^2/NDF:18.9/12

+ sign 2.433+/-11.788 χ^2/NDF: 36.7/30

All: 4.182+/-8.524 χ^2/NDF: 80.3/62

- sign 6.100+/-12.341 χ^2/NDF: 43.6/31

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.934+/-0.010 χ^2/NDF:229771.8/14

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

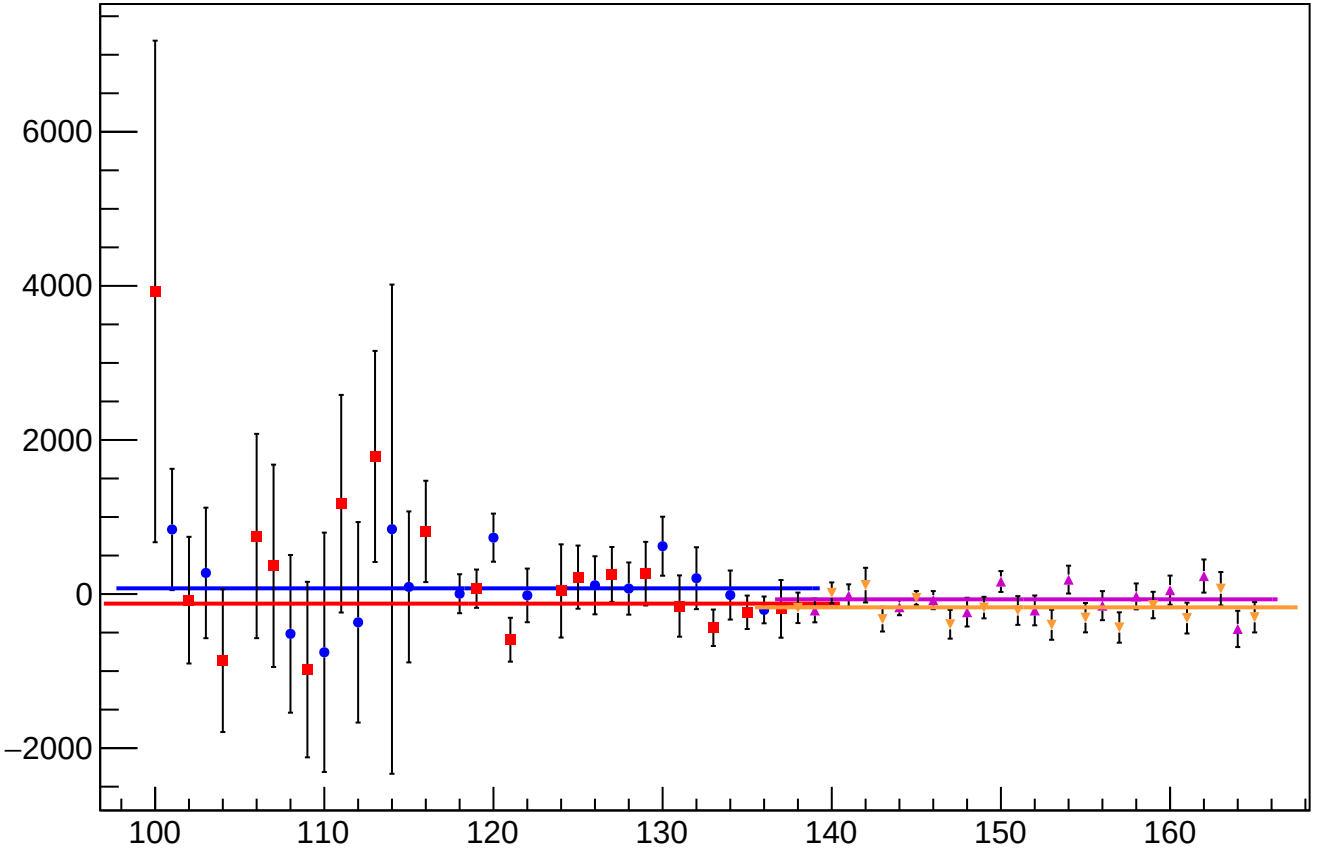
Left In: 46.427+/-0.010 χ^2/NDF:147075.2/12

+ sign 49.767+/-0.008 χ^2/NDF: 2278938.7/30

All: 50.268+/-0.006 χ^2/NDF: 4823438.2/62

- sign 50.818+/-0.009 χ^2/NDF: 2536903.8/31

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -172.420+/-42.417 χ^2/NDF:13.5/14

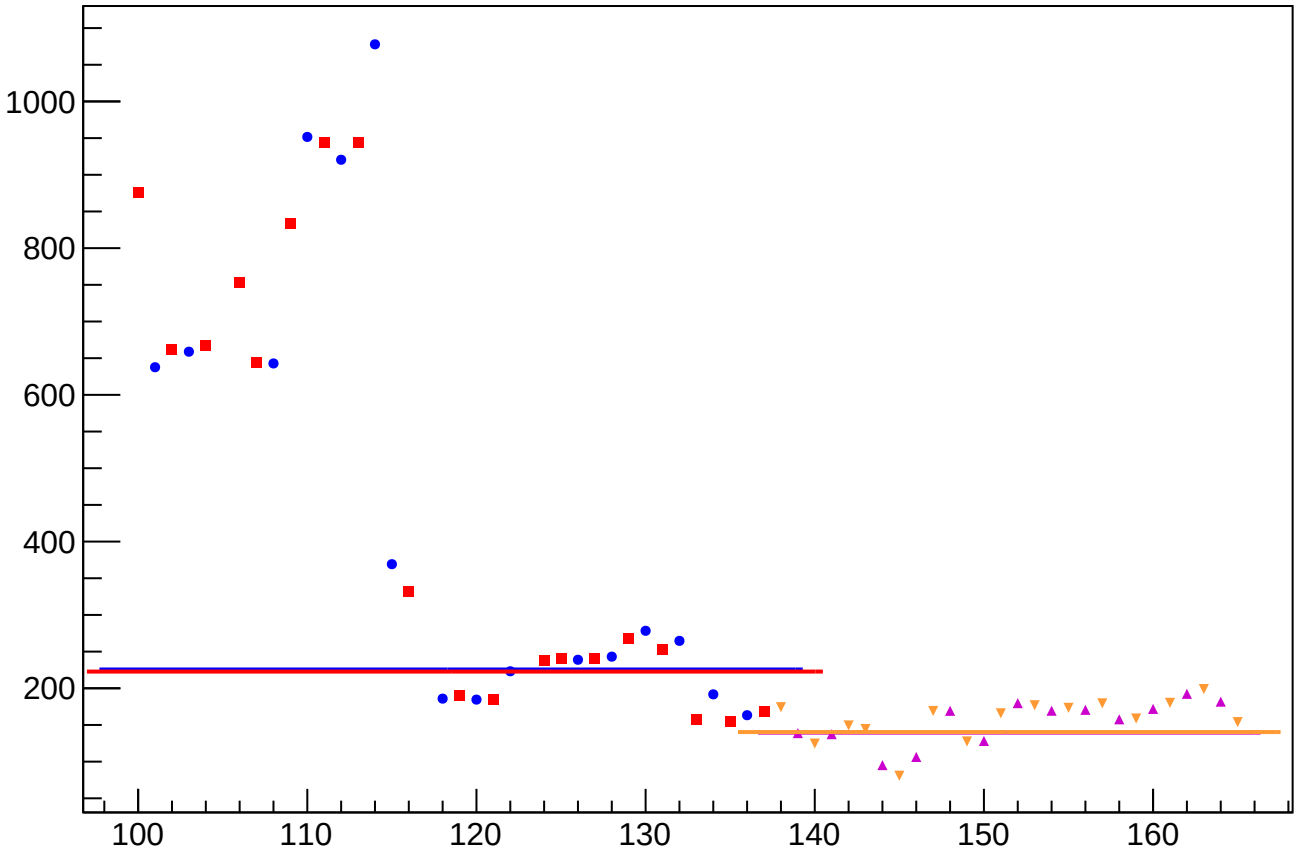
Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: -68.440+/-43.679 χ^2/NDF:13.5/12

+ sign -131.043+/-38.697 χ^2/NDF: 30.4/30

All: -105.285+/-27.698 χ^2/NDF: 61.4/62

- sign -78.228+/-39.661 χ^2/NDF: 30.1/31



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 140.324+/-0.030 χ^2/NDF:1533616.7/14

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

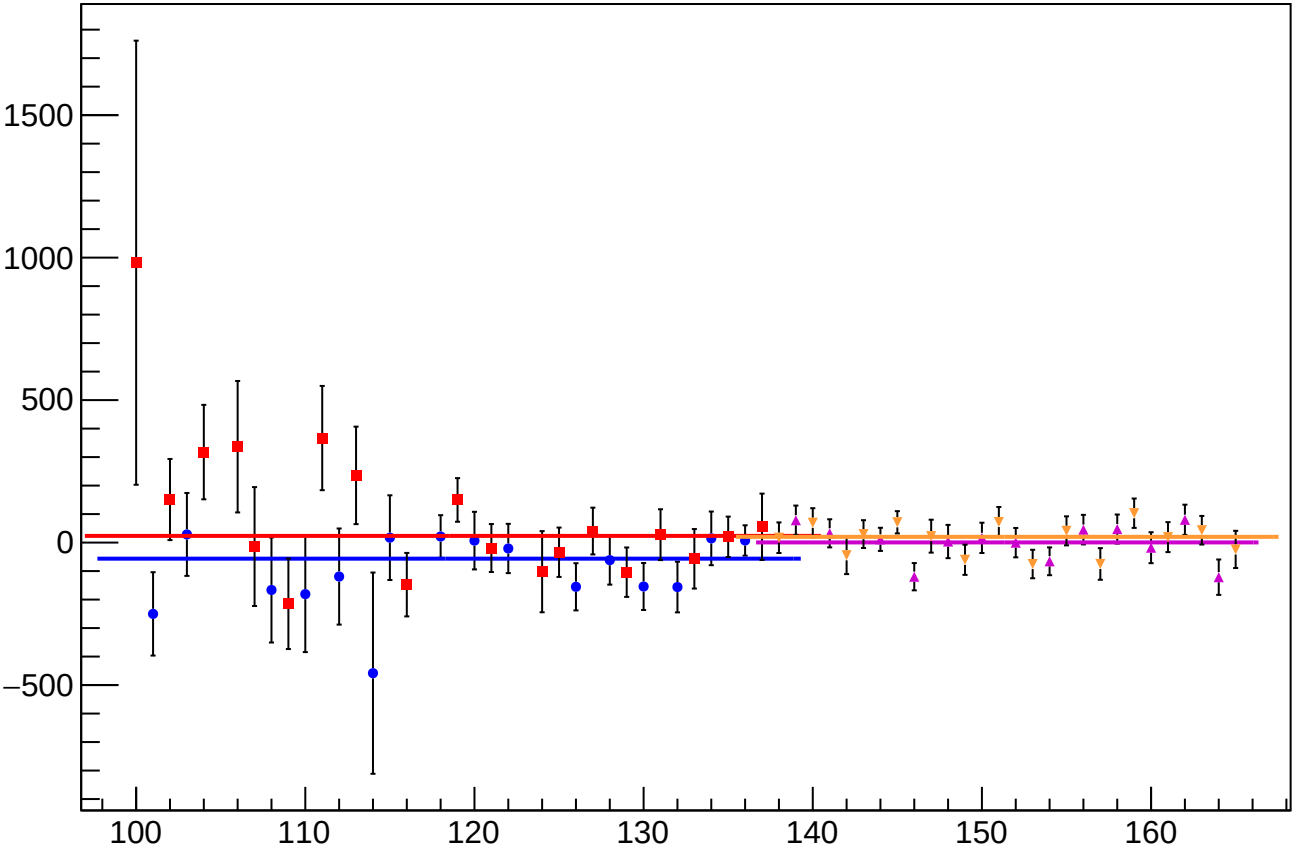
Left In: 139.552+/-0.031 χ^2/NDF:1045312.3/12

+ sign 154.628+/-0.027 χ^2/NDF: 5915793.6/30

All: 154.401+/-0.020 χ^2/NDF: 12084157.6/62

- sign 154.162+/-0.028 χ^2/NDF: 6168222.4/31

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.179+/-13.448 χ^2/NDF:16.9/14

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

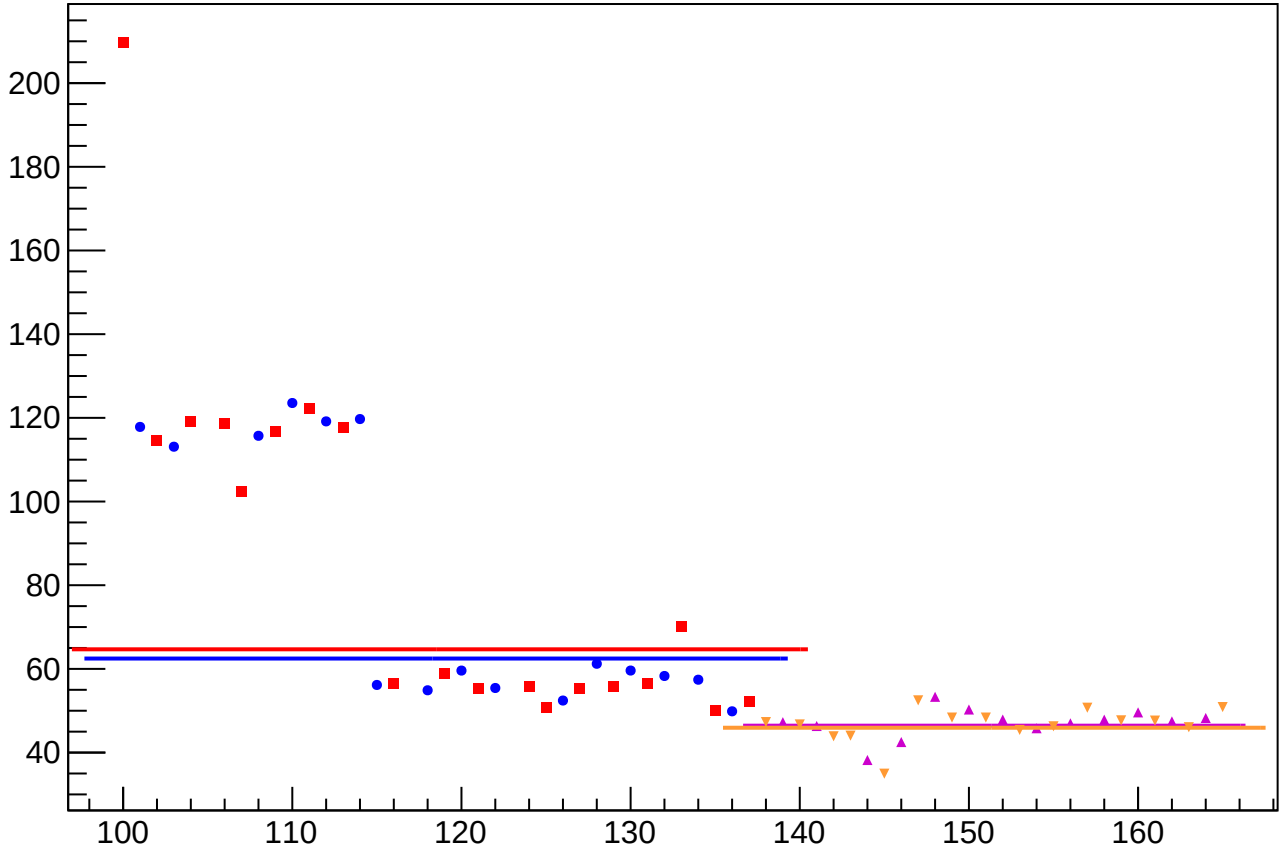
Left In: 0.589+/-14.161 χ^2/NDF:18.9/12

+ sign 2.433+/-11.788 χ^2/NDF: 36.7/30

All: 4.182+/-8.524 χ^2/NDF: 80.3/62

- sign 6.100+/-12.341 χ^2/NDF: 43.6/31

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.935+/-0.010 χ^2/NDF:229775.9/14

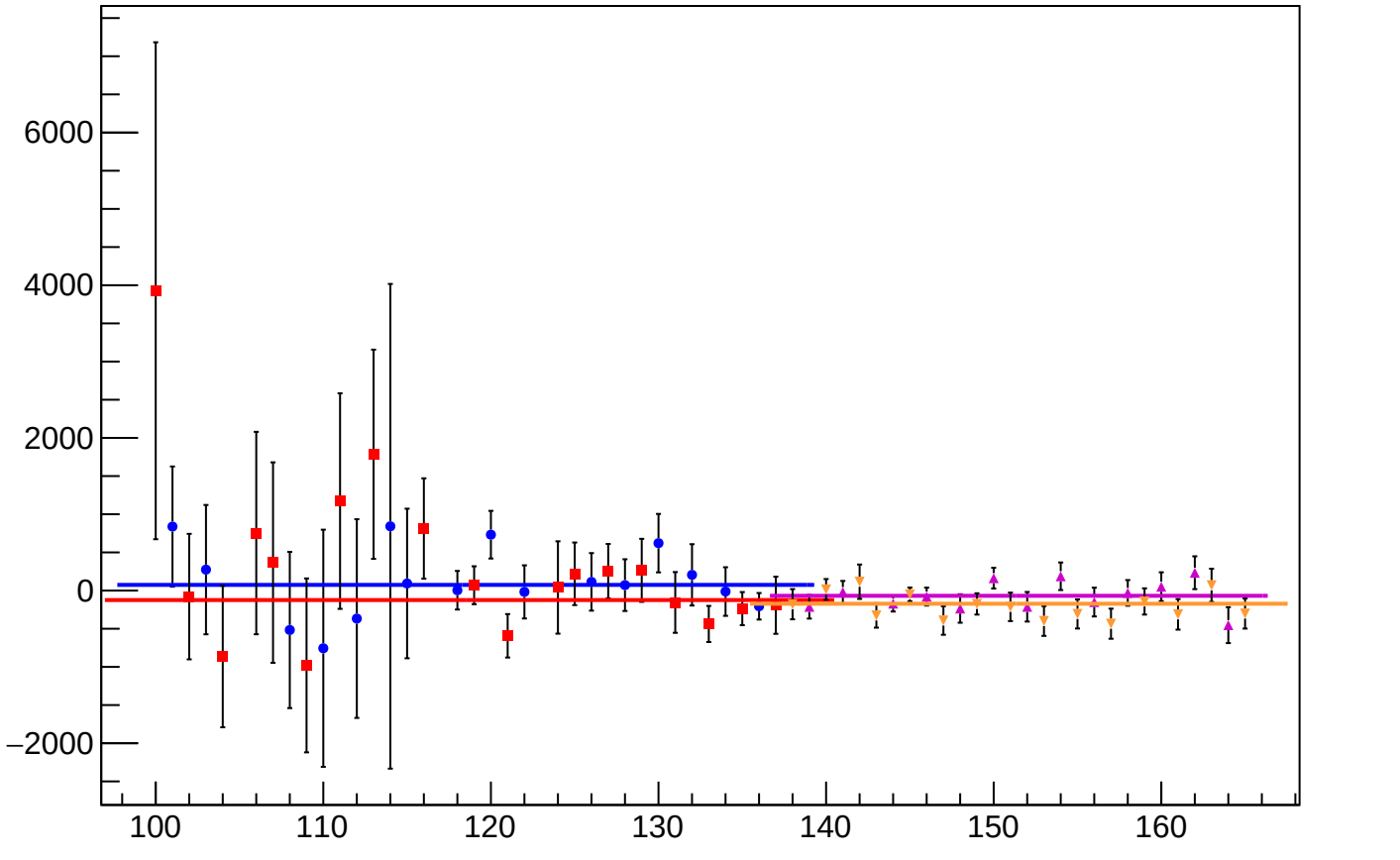
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.427+/-0.010 χ^2/NDF:147076.6/12

+ sign 49.767+/-0.008 χ^2/NDF: 2278879.6/30

All: 50.268+/-0.006 χ^2/NDF: 4823332.0/62

- sign 50.818+/-0.009 χ^2/NDF: 2536856.1/31



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -172.420+/-42.417 χ^2/NDF:13.5/14

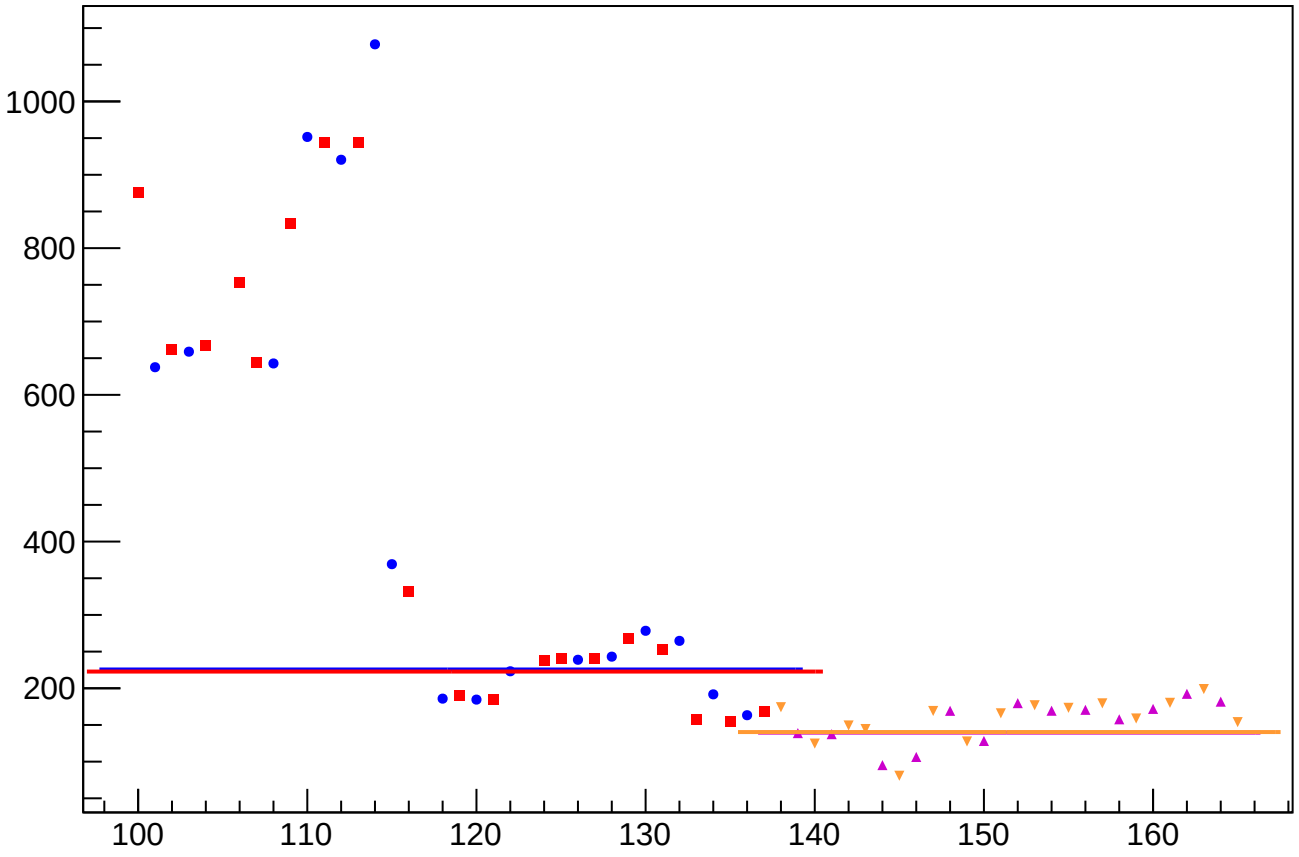
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -68.441+/-43.679 χ^2/NDF:13.5/12

+ sign -131.043+/-38.697 χ^2/NDF: 30.4/30

All: -105.285+/-27.698 χ^2/NDF: 61.4/62

- sign -78.228+/-39.661 χ^2/NDF: 30.1/31



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 140.324+/-0.030 χ^2/NDF:1533602.5/14

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

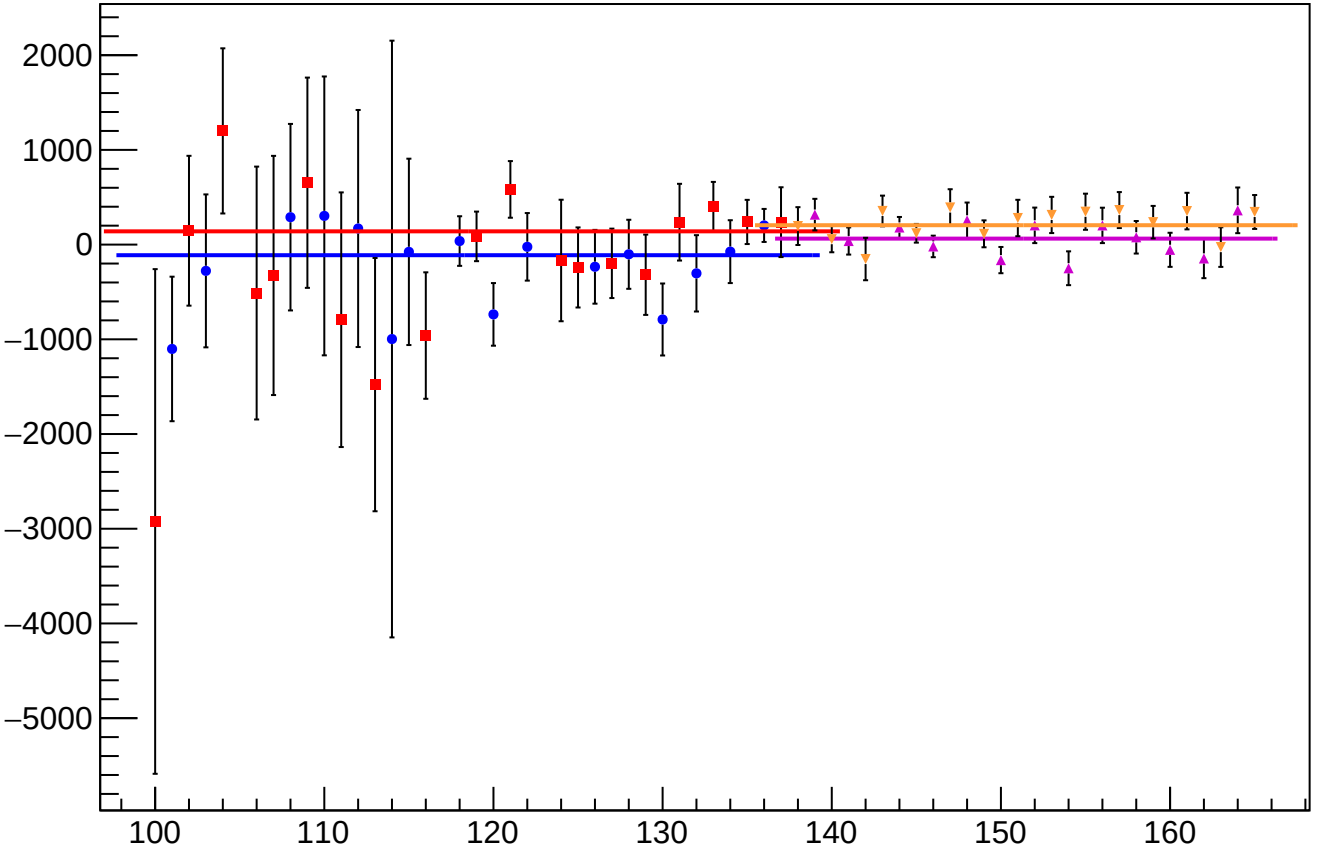
Left In: 139.552+/-0.031 χ^2/NDF:1045310.6/12

+ sign 154.628+/-0.027 χ^2/NDF: 5915753.2/30

All: 154.401+/-0.020 χ^2/NDF: 12084100.0/62

- sign 154.162+/-0.028 χ^2/NDF: 6168205.2/31

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 204.698+/-43.080 χ^2/NDF:10.8/14

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

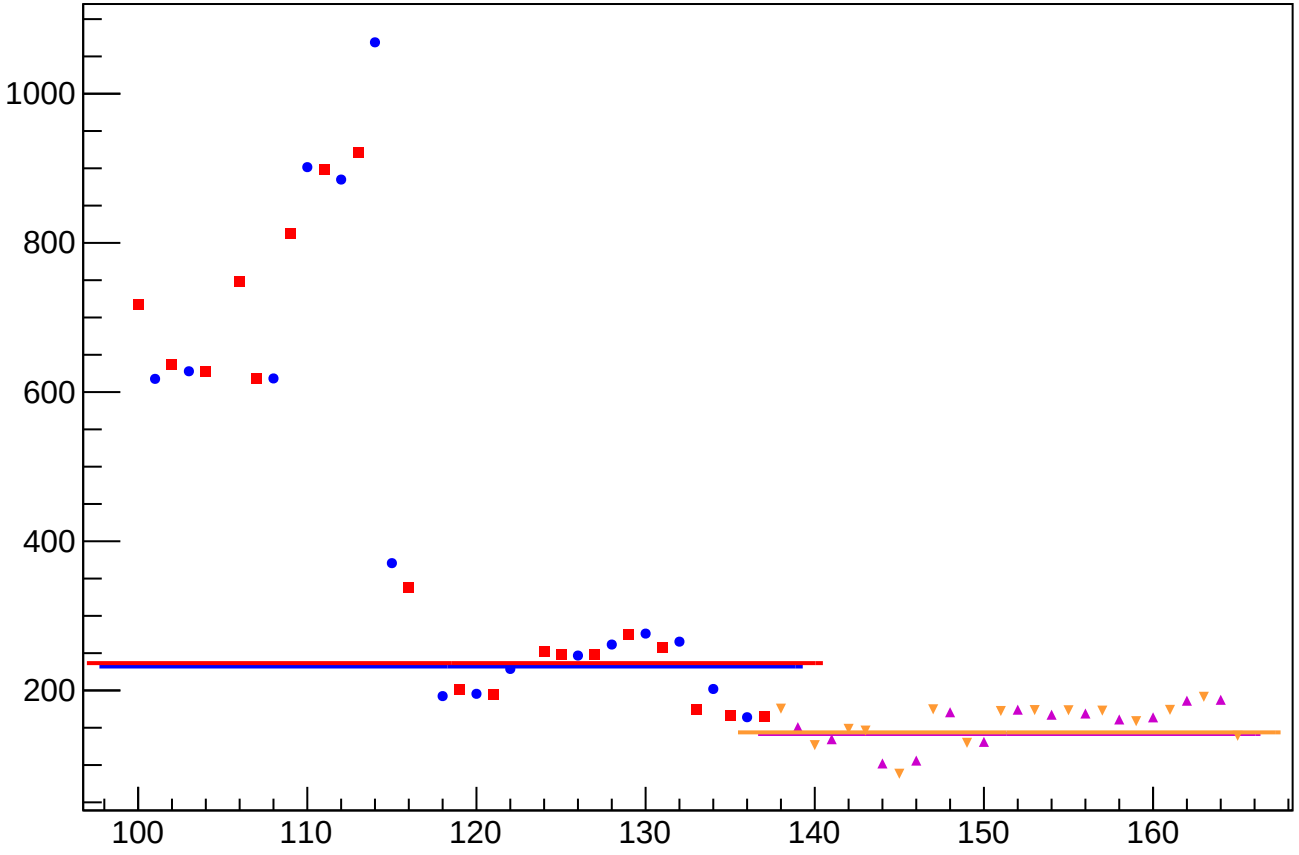
Left In: 63.155+/-43.983 χ^2/NDF:14.9/12

+ sign 152.131+/-39.341 χ^2/NDF: 32.6/30

All: 114.786+/-28.119 χ^2/NDF: 64.5/62

- sign 75.781+/-40.206 χ^2/NDF: 30.0/31

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 143.796+/-0.030 χ^2/NDF:1142809.6/14

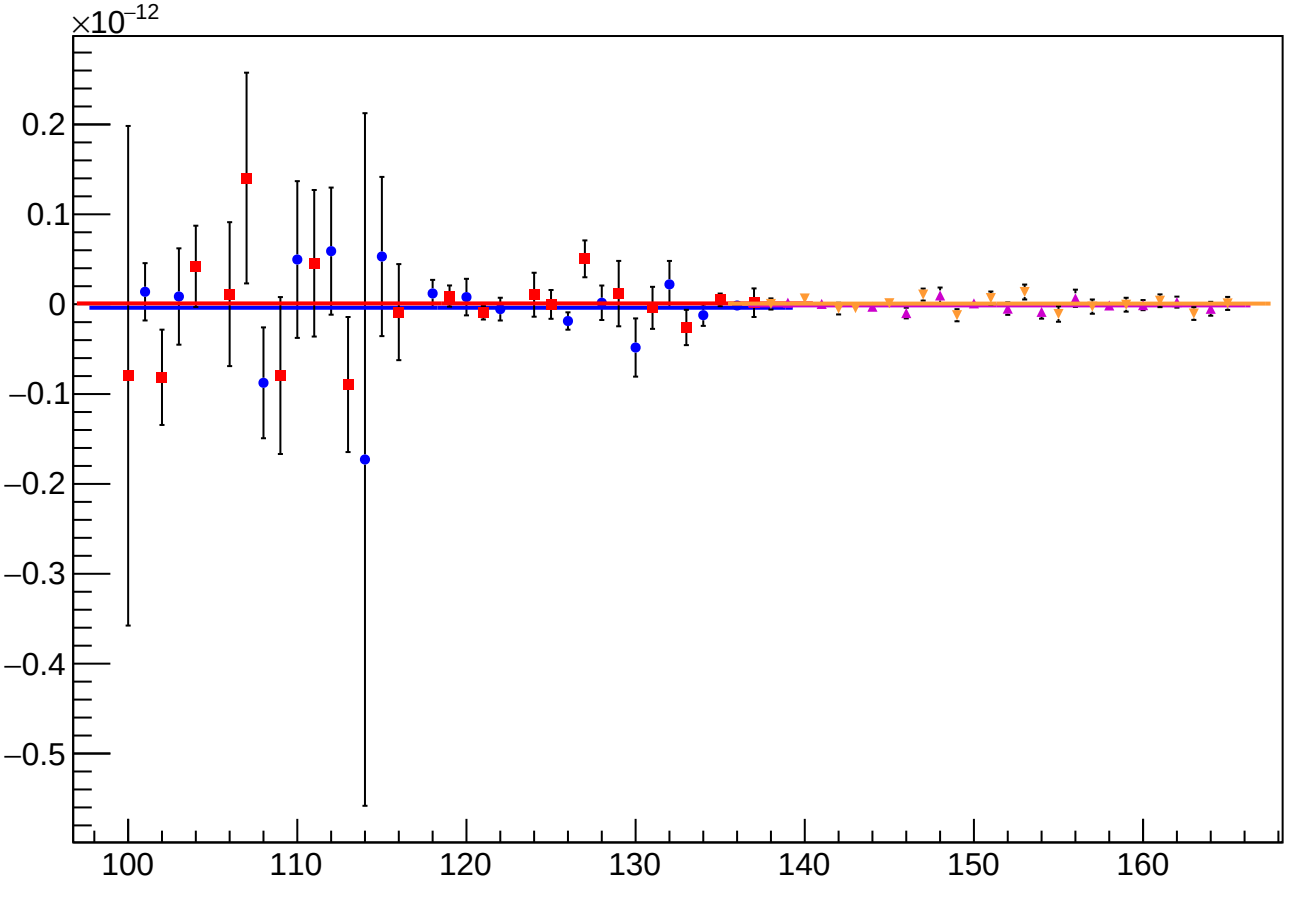
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 141.639+/-0.031 χ^2/NDF:886315.6/12

+ sign 158.459+/-0.028 χ^2/NDF: 5423702.1/30

All: 157.870+/-0.020 χ^2/NDF: 11365779.0/62

- sign 157.254+/-0.028 χ^2/NDF: 5941160.5/31



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/14

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

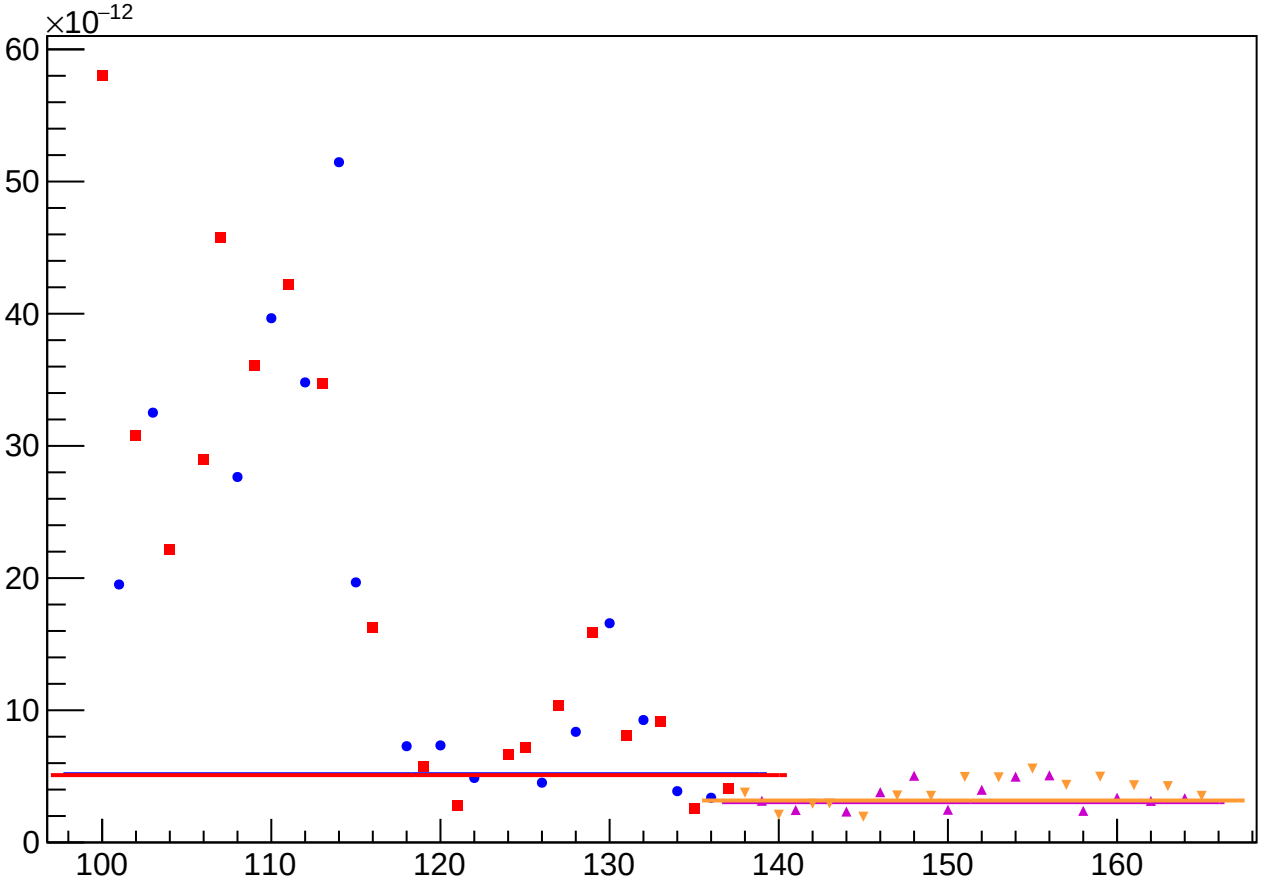
Left In: -0.000+/-0.000 χ^2/NDF:7.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 30.7/30

All: -0.000+/-0.000 χ^2/NDF: 56.4/62

- sign -0.000+/-0.000 χ^2/NDF: 25.4/31

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:1143431.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

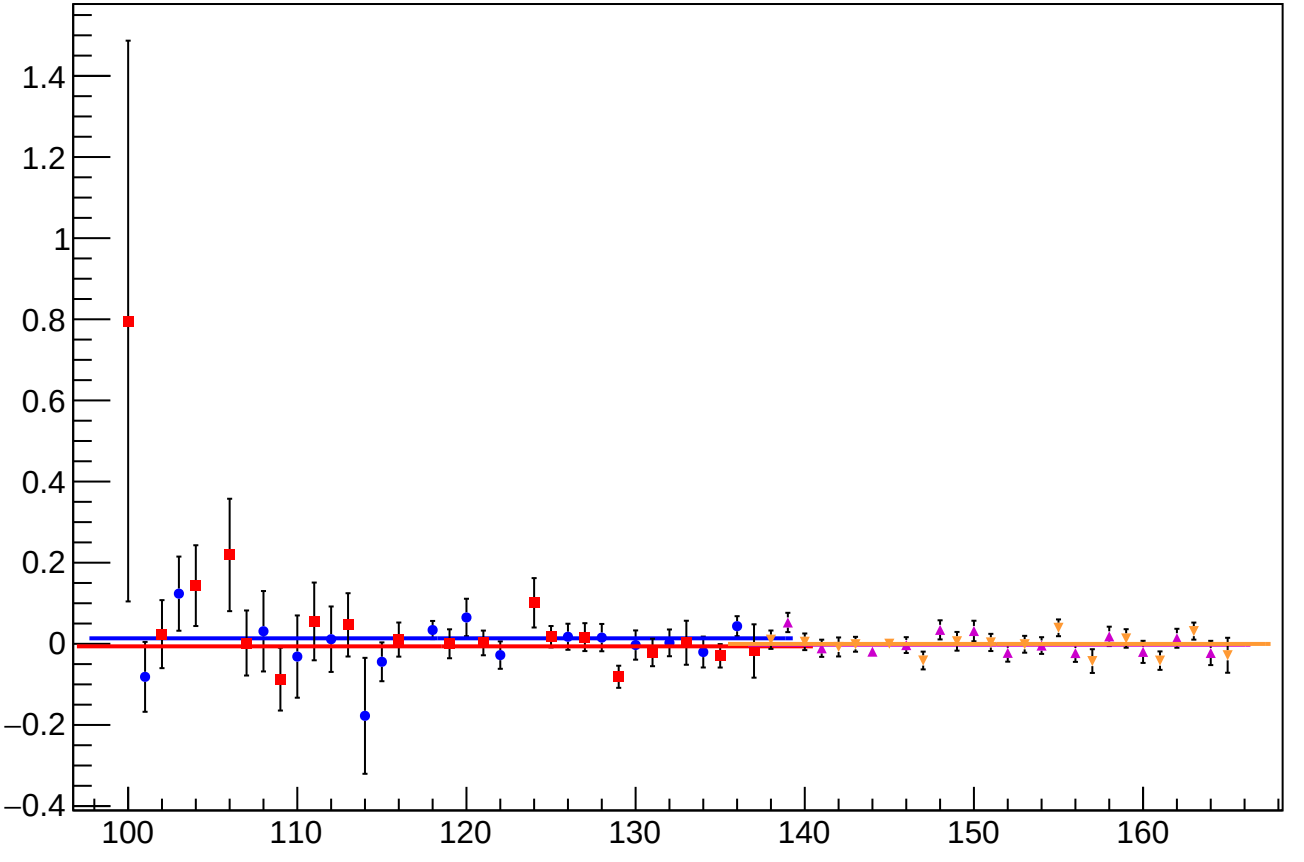
Left In: 0.000+/-0.000 χ^2/NDF:594036.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 4265432.5/30

All: 0.000+/-0.000 χ^2/NDF: 8573394.9/62

- sign 0.000+/-0.000 χ^2/NDF: 4297382.1/31

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

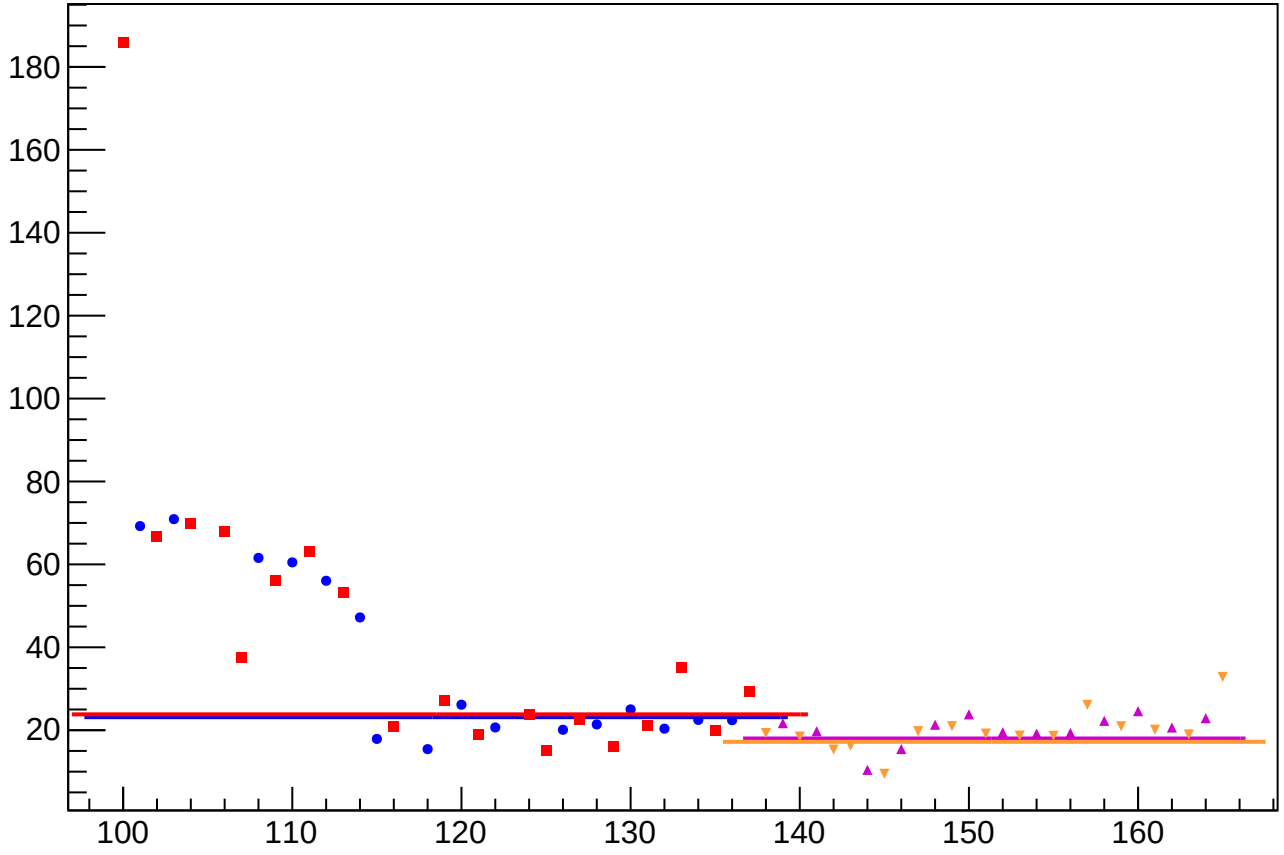
Left In: -0.002+/-0.006 χ^2/NDF:15.6/12

+ sign 0.003+/-0.005 χ^2/NDF: 29.9/30

All: 0.000+/-0.003 χ^2/NDF: 67.9/62

- sign -0.003+/-0.005 χ^2/NDF: 37.2/31

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: 17.199+/-0.004 χ^2/NDF:1641725.1/14

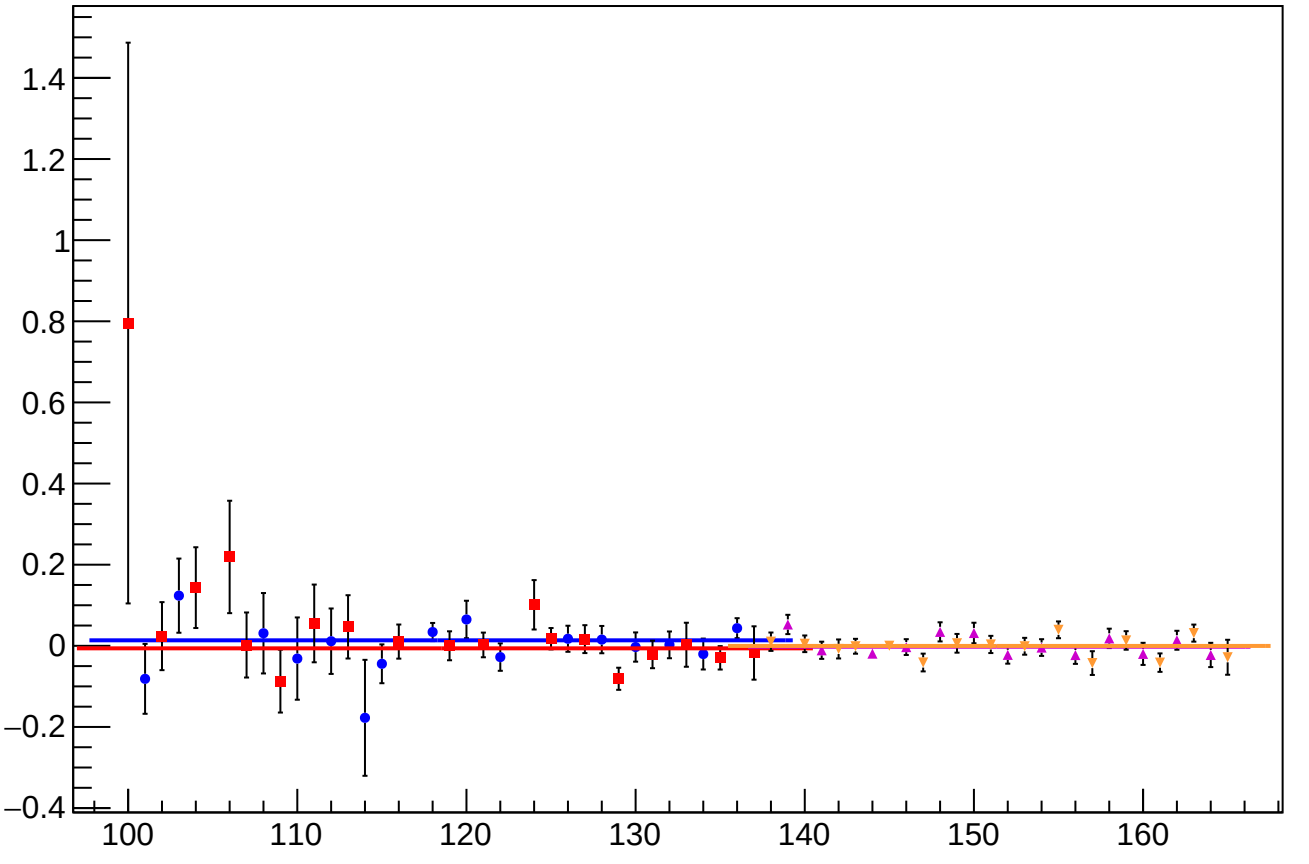
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.999+/-0.004 χ^2/NDF:1349854.7/12

\+ sign 18.535+/-0.003 χ^2/NDF: 4613589.7/30

All: 18.958+/-0.002 χ^2/NDF: 9401031.5/62

\- sign 19.448+/-0.004 χ^2/NDF: 4751948.6/31



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

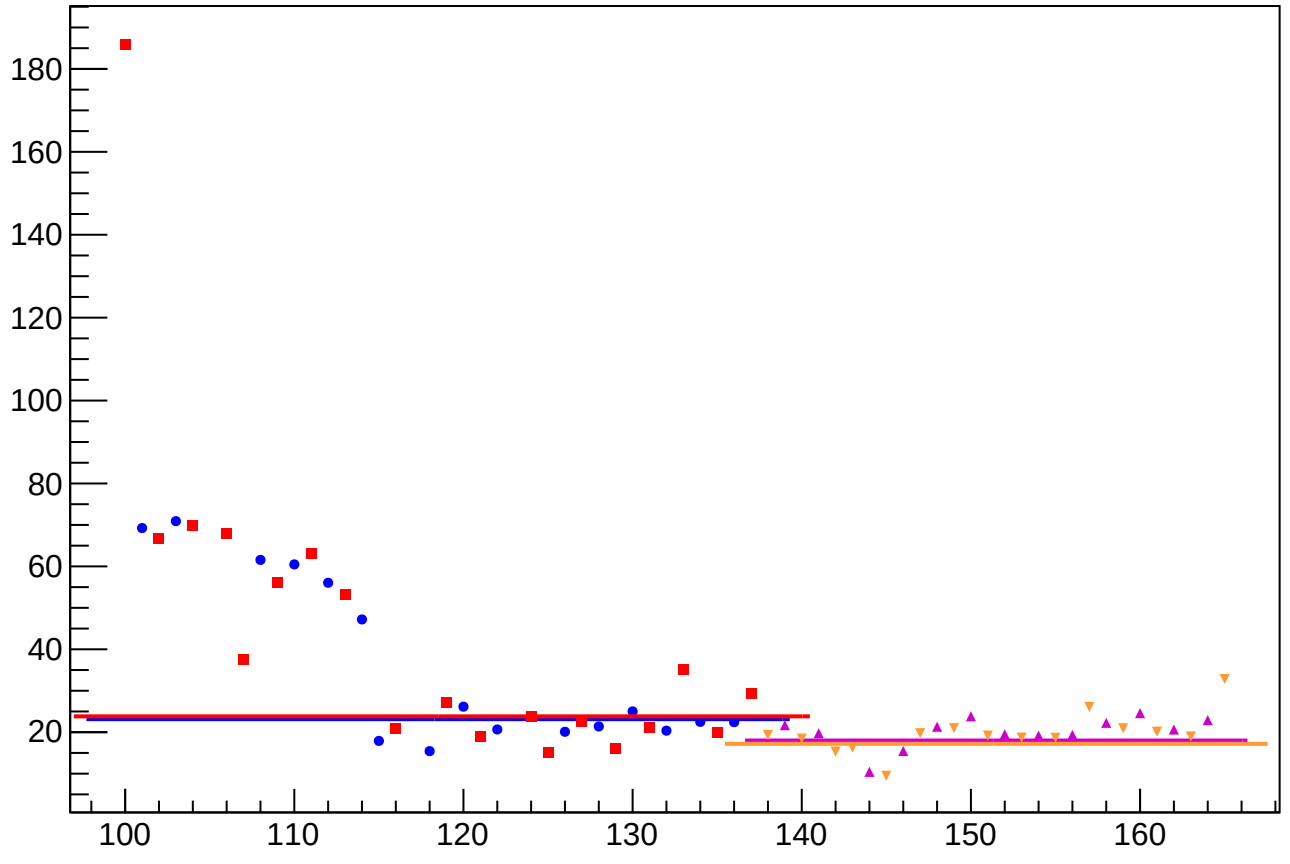
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:15.6/12

+ sign 0.003+/-0.005 χ^2/NDF: 29.9/30

All: 0.000+/-0.003 χ^2/NDF: 67.9/62

- sign -0.003+/-0.005 χ^2/NDF: 37.2/31



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 17.199+/-0.004 χ^2/NDF:1641725.1/14

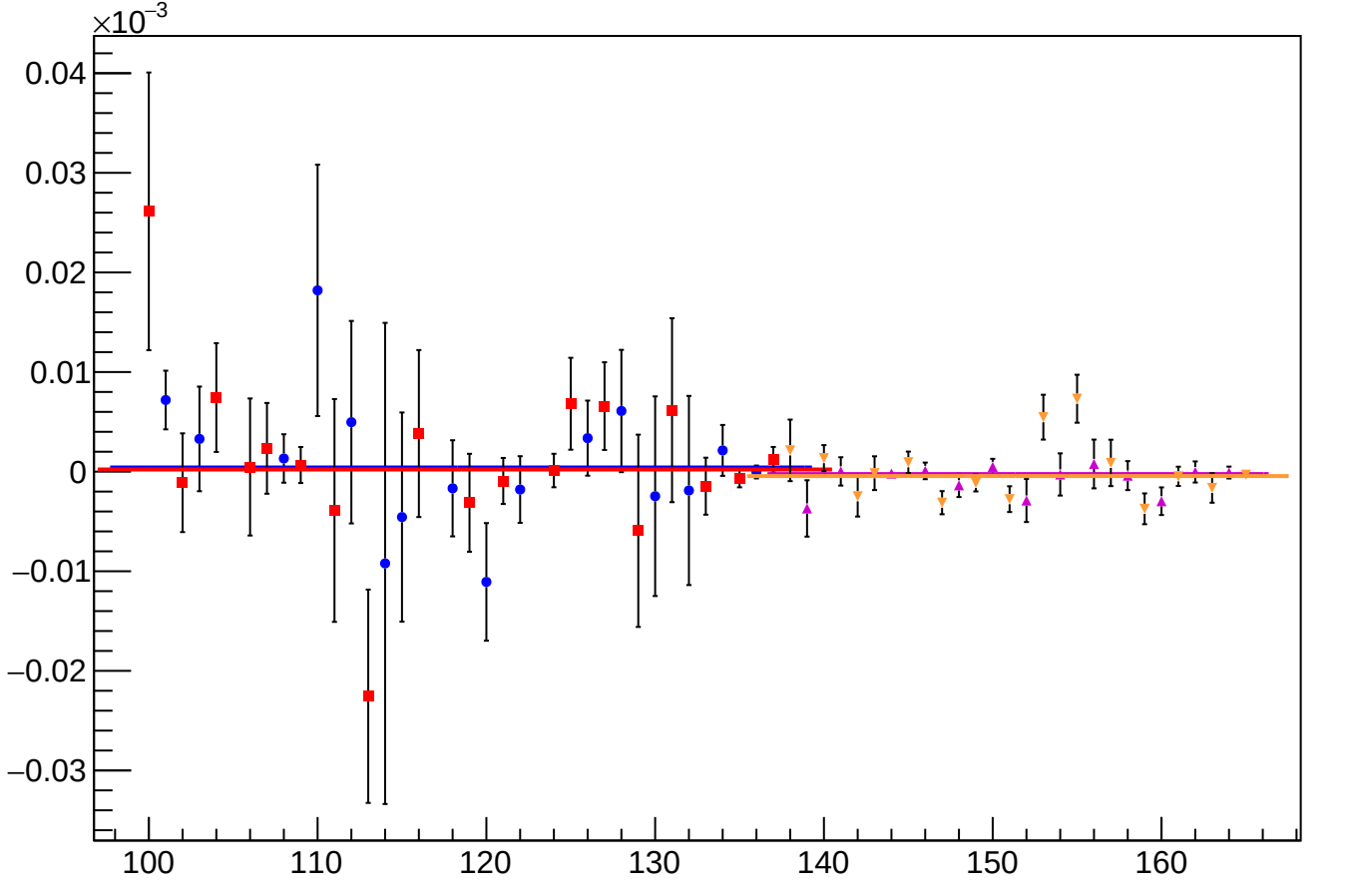
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

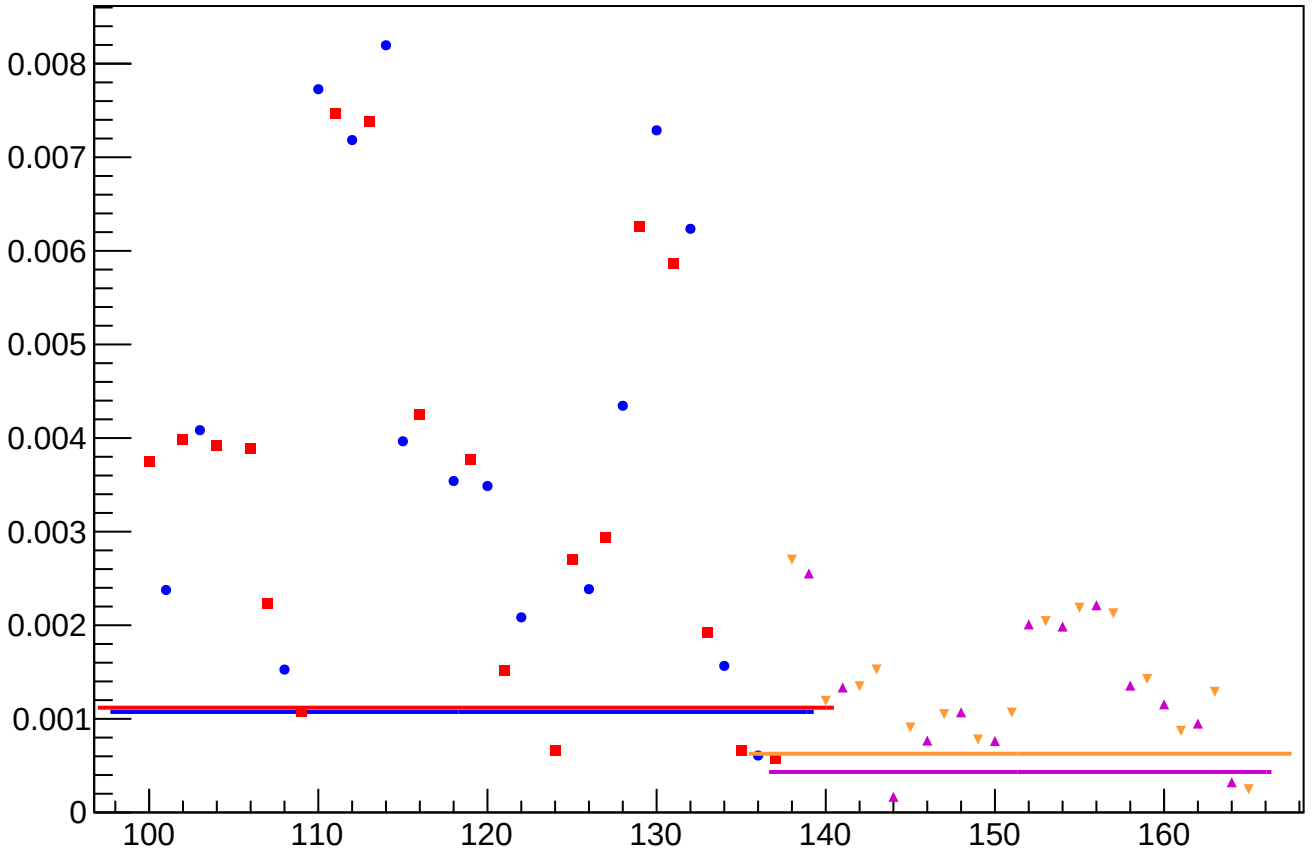
Left In: 17.999+/-0.004 χ^2/NDF:1349854.7/12

\+ sign 18.535+/-0.003 χ^2/NDF: 4613589.7/30

All: 18.958+/-0.002 χ^2/NDF: 9401031.5/62

\- sign 19.448+/-0.004 χ^2/NDF: 4751948.6/31


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 15.3/15
Left Out: -0.000+/-0.000 χ²/NDF:37.4/14
Right Out: 0.000+/-0.000 χ²/NDF: 17.9/18
Left In: -0.000+/-0.000 χ²/NDF:9.1/12
+ sign -0.000+/-0.000 χ²/NDF: 54.7/30
All: -0.000+/-0.000 χ²/NDF: 82.4/62
- sign -0.000+/-0.000 χ²/NDF: 27.6/31



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:9187051.9/14

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

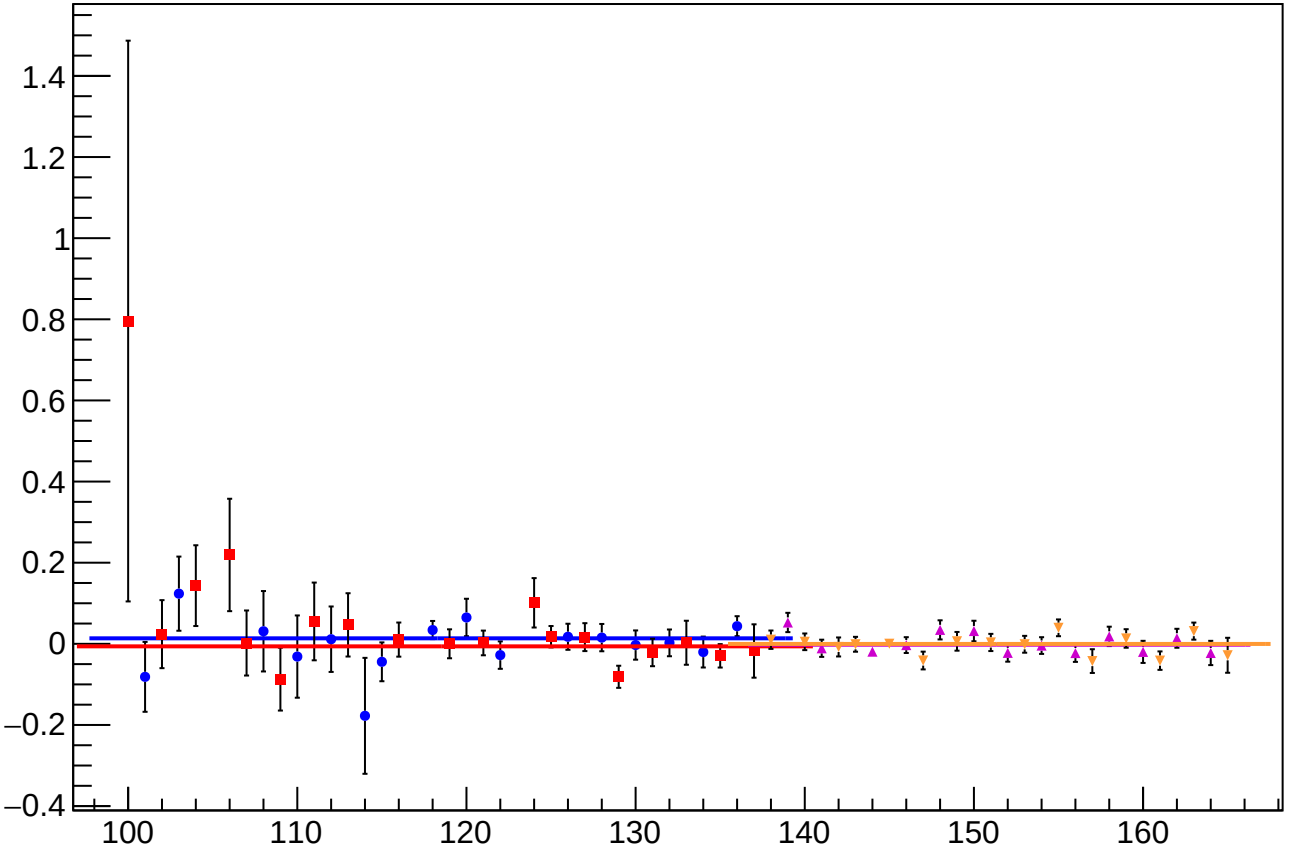
Left In: 0.000+/-0.000 χ^2/NDF:10448688.1/12

+ sign 0.001+/-0.000 χ^2/NDF: 17302539.7/30

All: 0.001+/-0.000 χ^2/NDF: 37992660.1/62

- sign 0.001+/-0.000 χ^2/NDF: 19845693.6/31

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

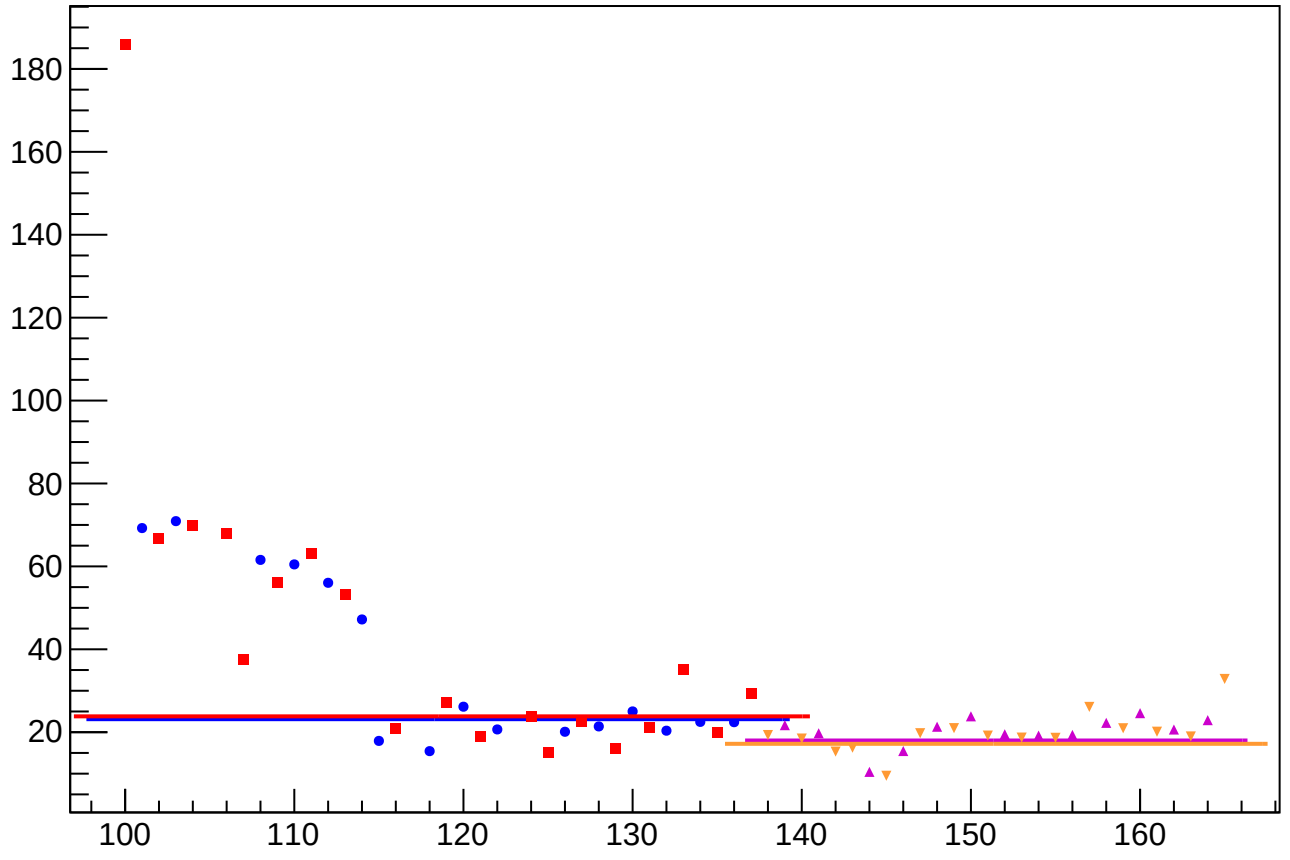
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:15.6/12

+ sign 0.003+/-0.005 χ^2/NDF: 29.9/30

All: 0.000+/-0.003 χ^2/NDF: 67.9/62

- sign -0.003+/-0.005 χ^2/NDF: 37.2/31



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 17.200+/-0.004 χ^2/NDF:1641829.6/14

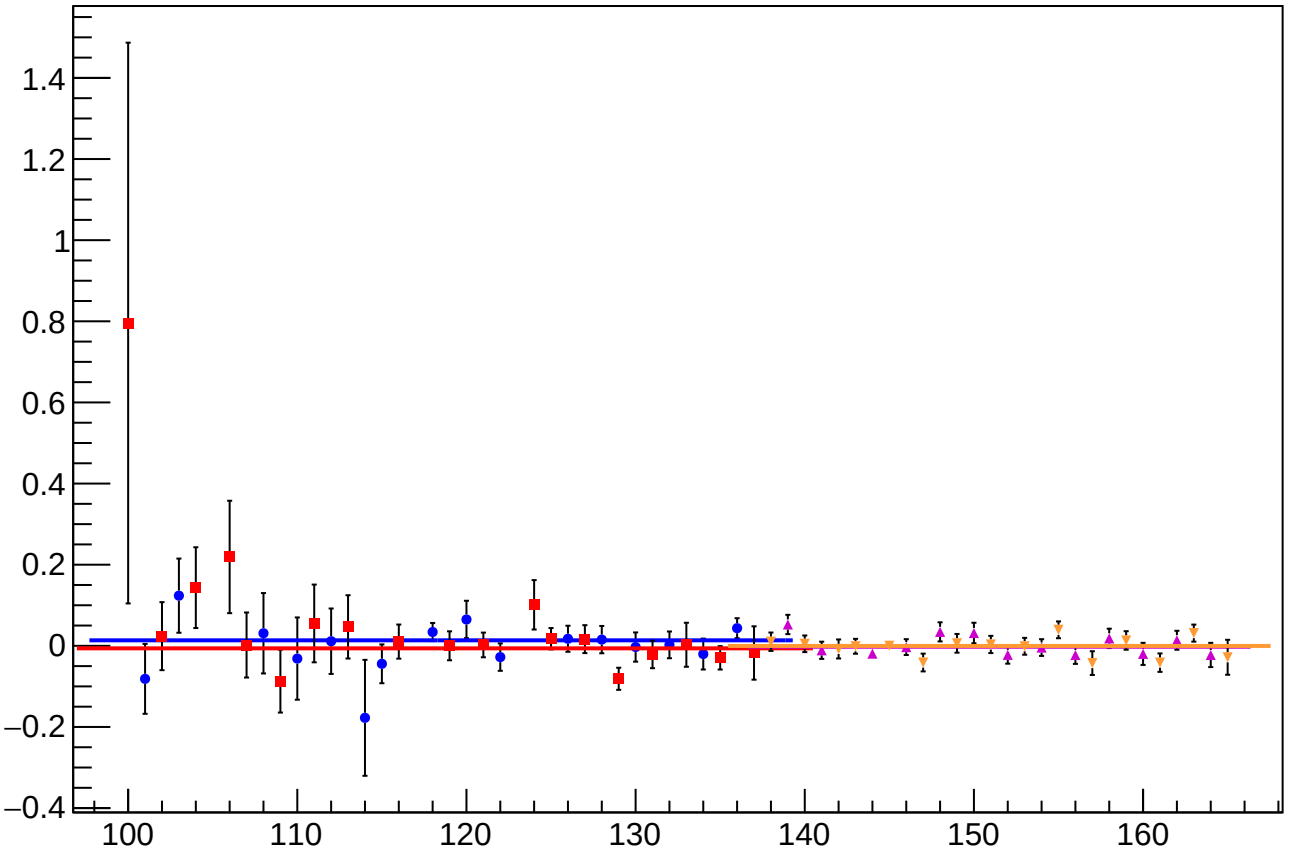
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.999+/-0.004 χ^2/NDF:1349836.6/12

\+ sign 18.535+/-0.003 χ^2/NDF: 4613490.9/30

All: 18.958+/-0.002 χ^2/NDF: 9400752.8/62

\- sign 19.448+/-0.004 χ^2/NDF: 4751757.1/31



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.005 χ^2/NDF:16.1/14

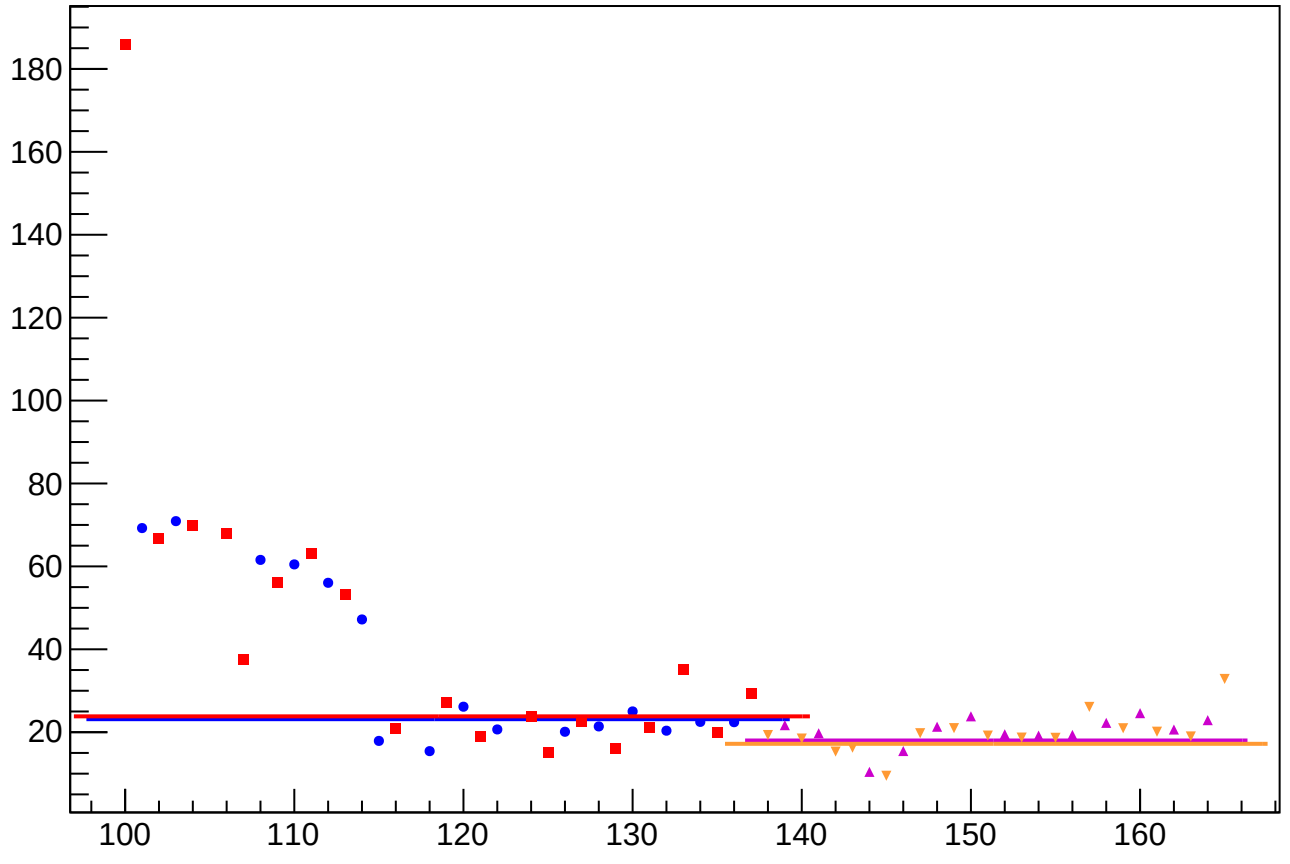
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:15.6/12

+ sign 0.003+/-0.005 χ^2/NDF: 29.9/30

All: 0.000+/-0.003 χ^2/NDF: 67.9/62

- sign -0.003+/-0.005 χ^2/NDF: 37.2/31



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 17.200+/-0.004 χ^2/NDF:1641829.6/14

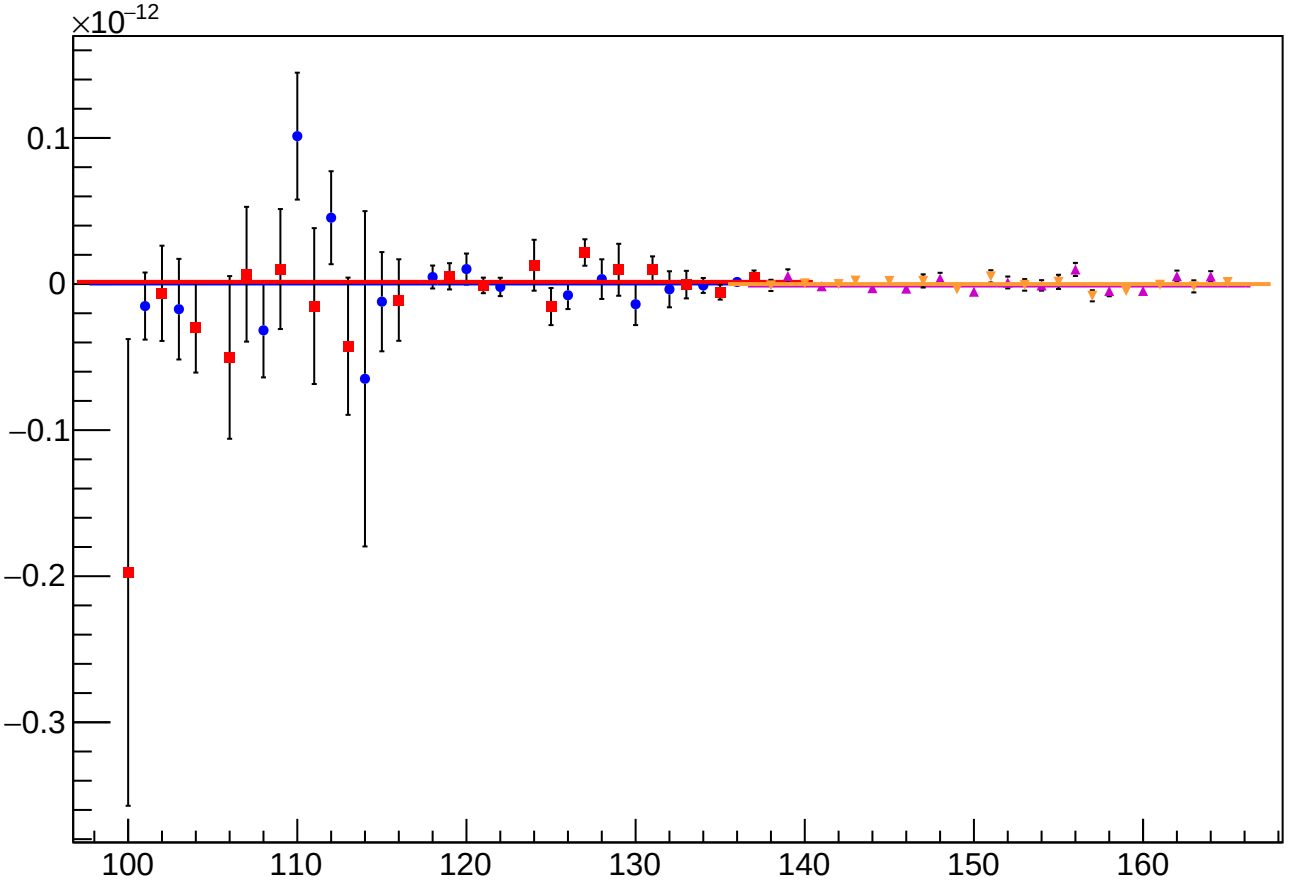
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.999+/-0.004 χ^2/NDF:1349836.6/12

\+ sign 18.535+/-0.003 χ^2/NDF: 4613490.9/30

All: 18.958+/-0.002 χ^2/NDF: 9400752.8/62

\- sign 19.448+/-0.004 χ^2/NDF: 4751757.1/31



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/14

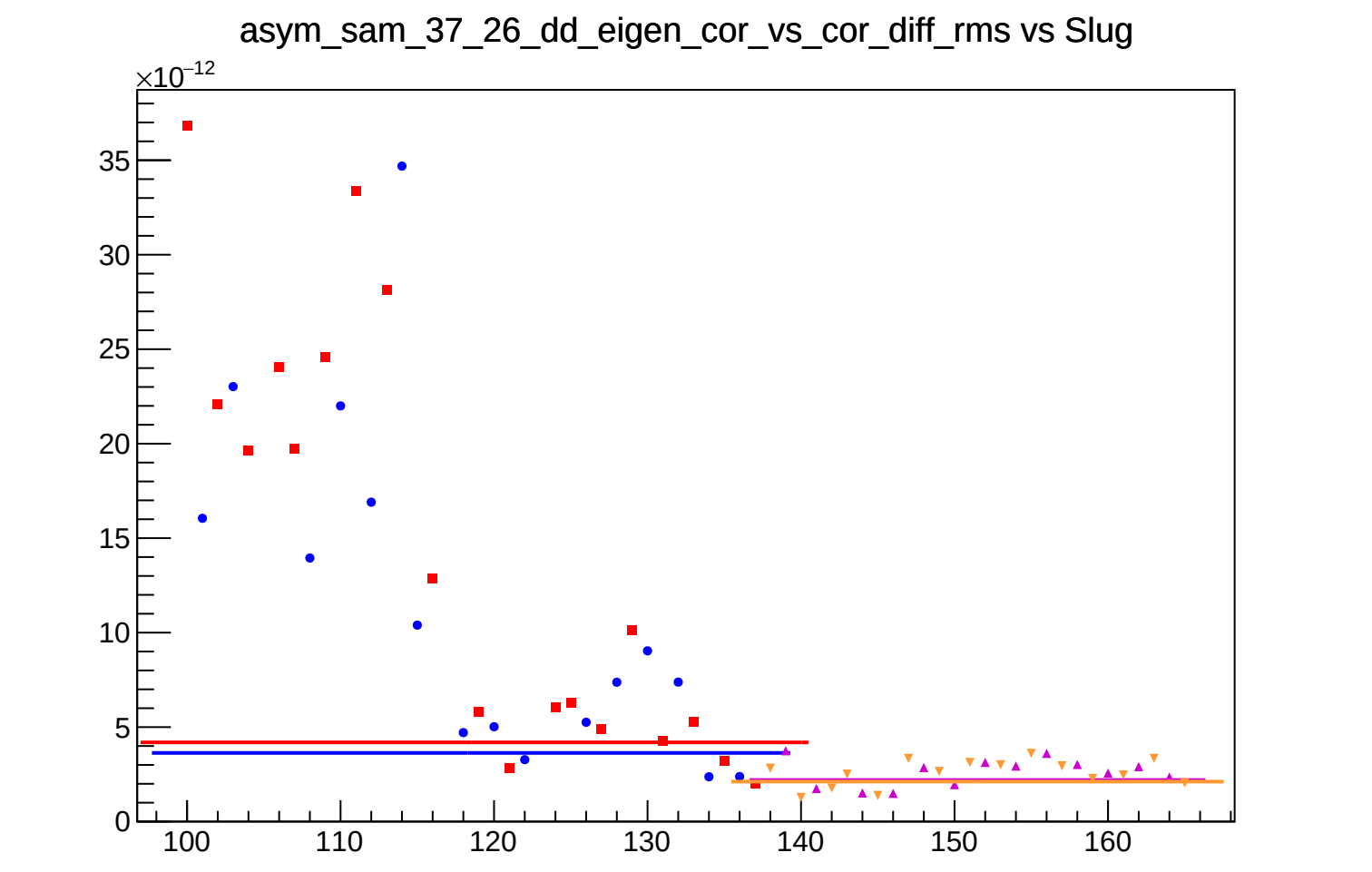
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:22.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 25.3/30

All: -0.000+/-0.000 χ^2/NDF: 64.7/62

- sign -0.000+/-0.000 χ^2/NDF: 38.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1836826.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

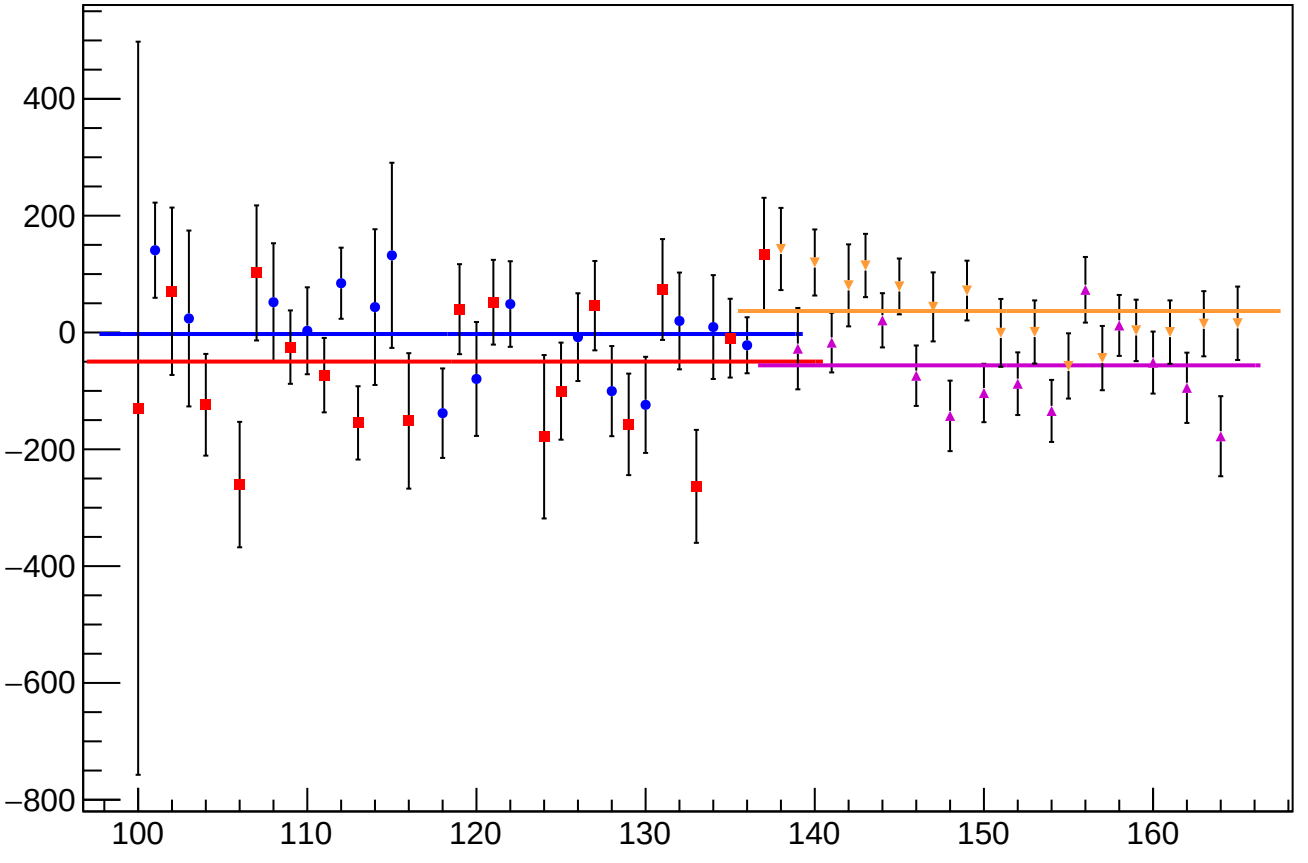
Left In: 0.000+/-0.000 χ^2/NDF:1441113.0/12

+ sign 0.000+/-0.000 χ^2/NDF: 6381066.3/30

All: 0.000+/-0.000 χ^2/NDF: 13568375.8/62

- sign 0.000+/-0.000 χ^2/NDF: 7164496.1/31

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 36.753+/-14.542 χ^2/NDF:15.1/14

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

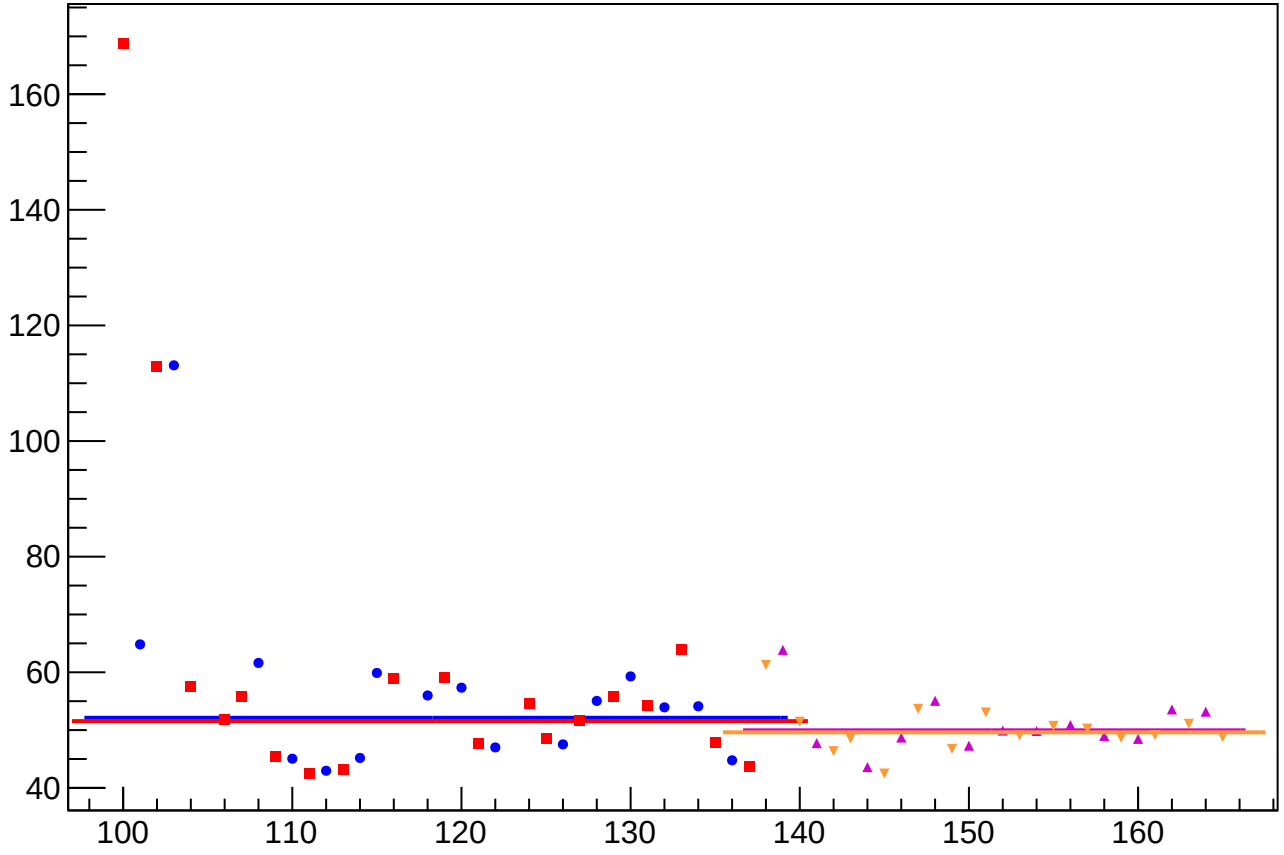
Left In: -56.264+/-15.196 χ^2/NDF:19.6/12

+ sign 23.134+/-11.760 χ^2/NDF: 32.2/30

All: -14.533+/-8.404 χ^2/NDF: 102.2/62

- sign -53.844+/-12.014 χ^2/NDF: 49.1/31

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.611+/-0.010 χ^2/NDF:133273.5/14

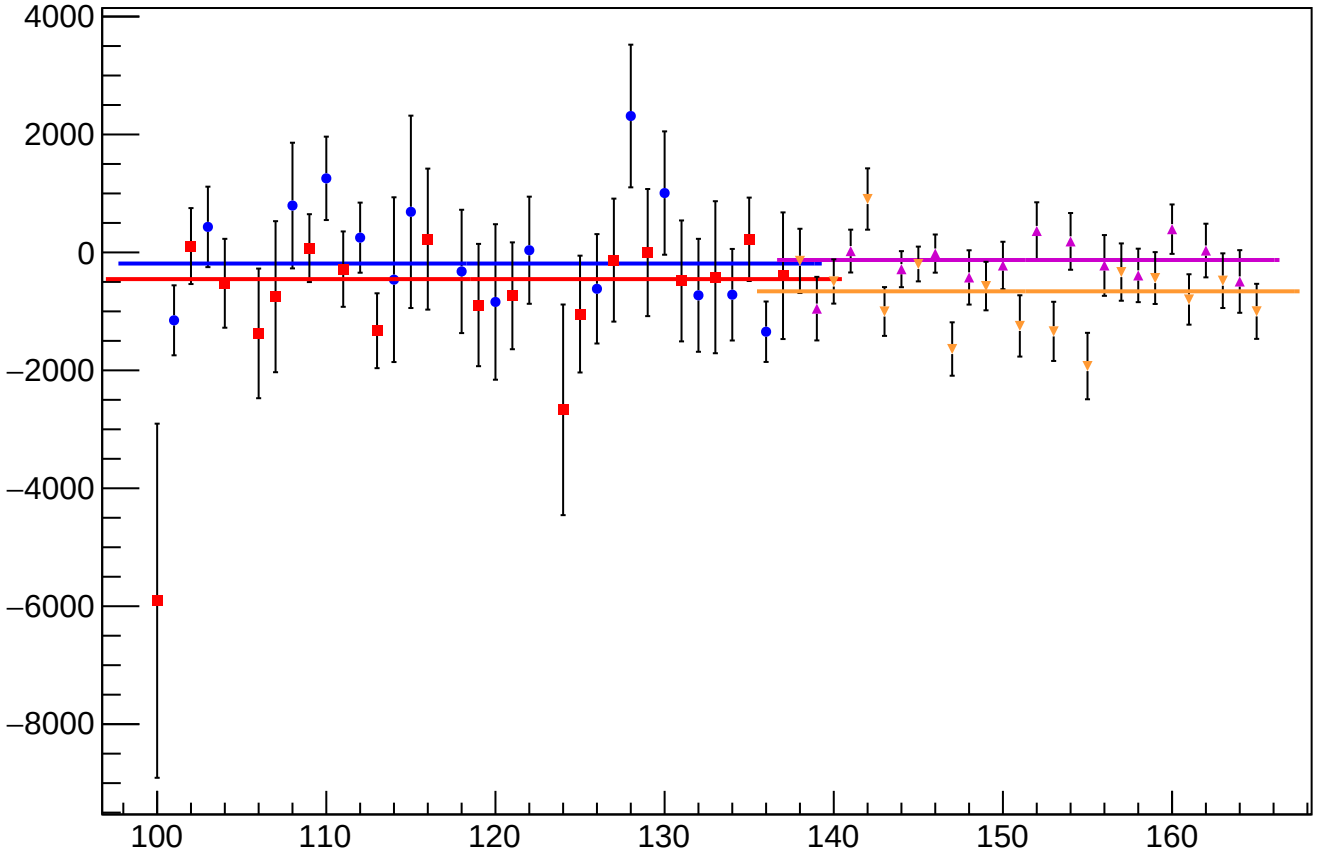
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

+ sign 50.482+/-0.008 χ^2/NDF: 716921.4/30

All: 50.518+/-0.006 χ^2/NDF: 1521429.2/62

- sign 50.555+/-0.008 χ^2/NDF: 804470.4/31



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -659.642+/-113.776 χ^2/NDF:27.7/14

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

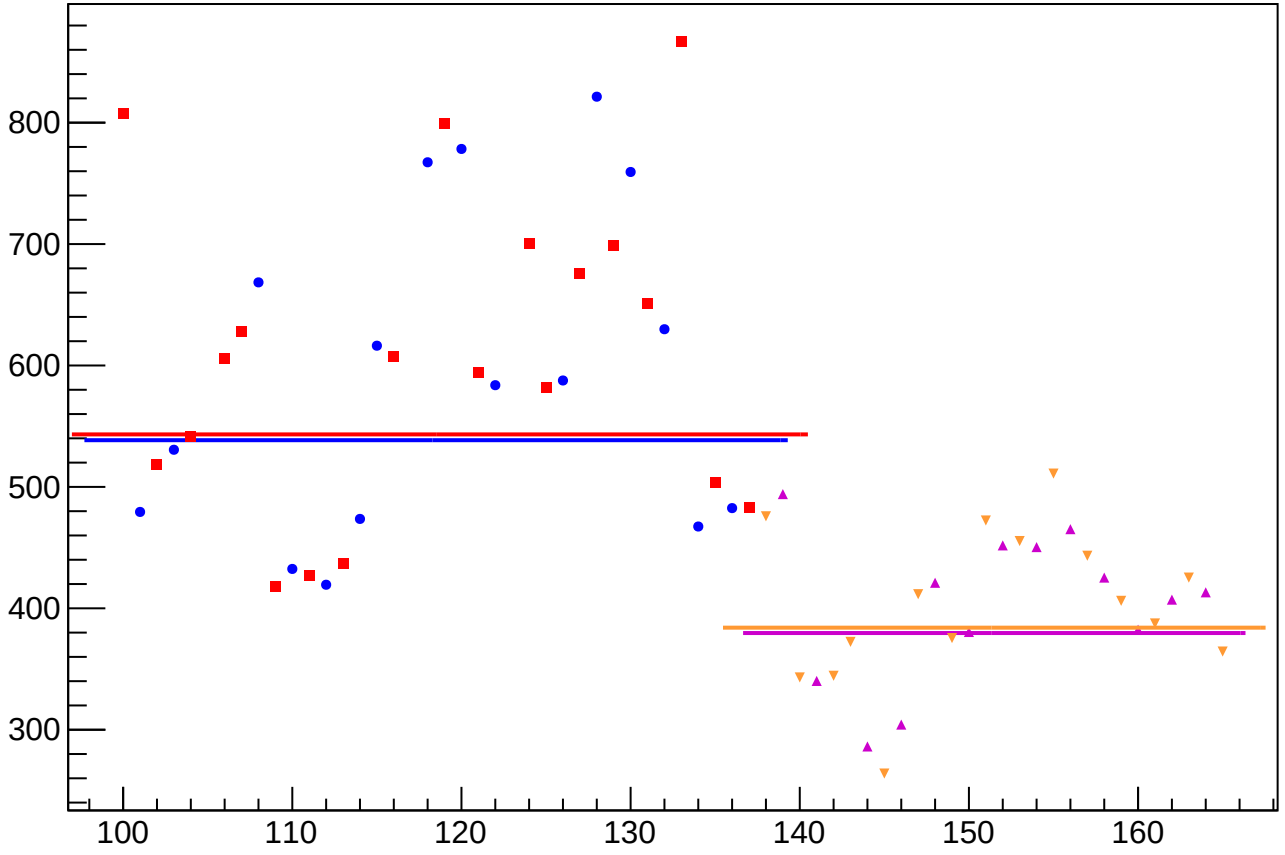
Left In: -128.495+/-116.707 χ^2/NDF:7.3/12

+ sign -549.375+/-99.573 χ^2/NDF: 53.1/30

All: -381.827+/-71.009 χ^2/NDF: 79.4/62

- sign -208.449+/-101.291 χ^2/NDF: 20.5/31

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 384.072+/-0.080 χ^2/NDF:688048.3/14

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

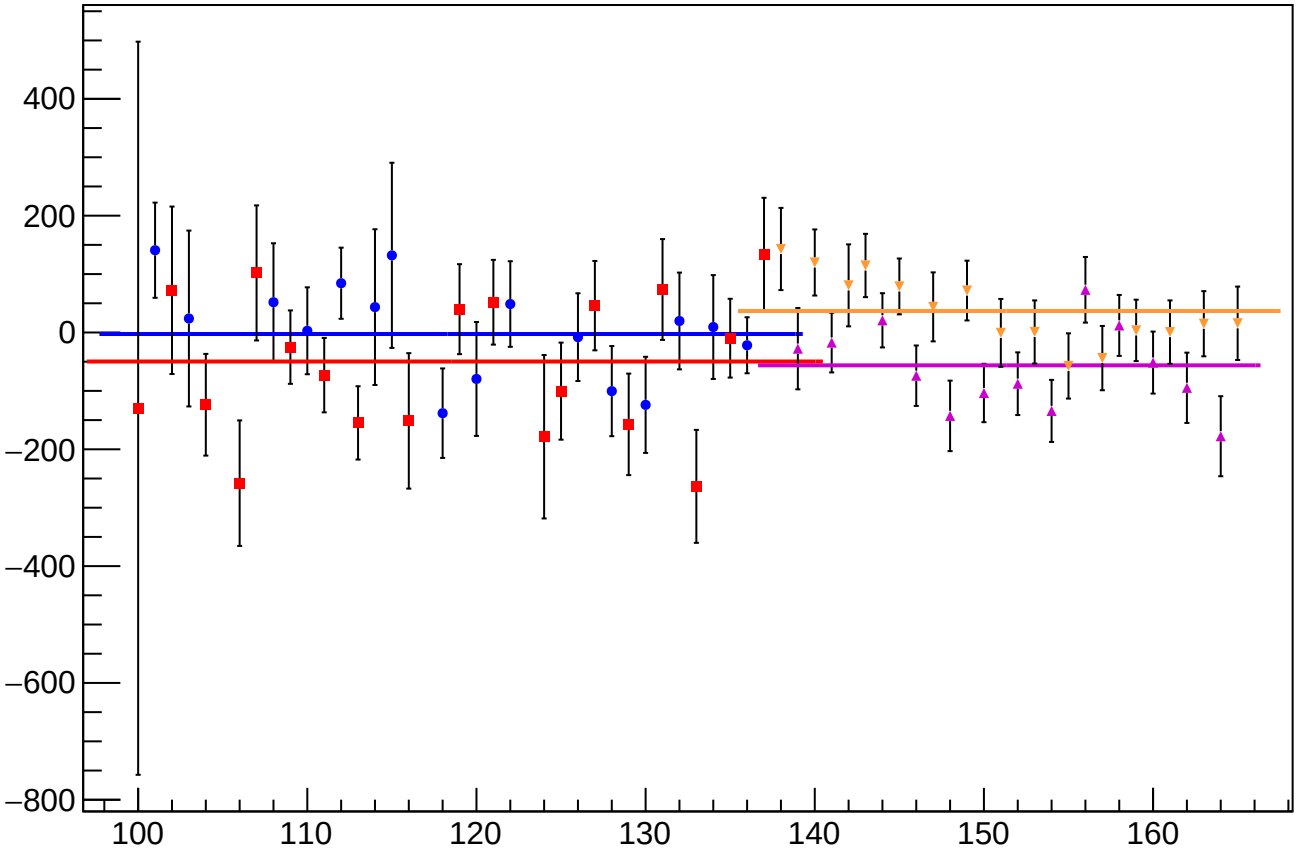
Left In: 379.644+/-0.083 χ^2/NDF:603234.6/12

+ sign 420.212+/-0.070 χ^2/NDF: 2164134.7/30

All: 420.112+/-0.050 χ^2/NDF: 4374154.0/62

- sign 420.009+/-0.072 χ^2/NDF: 2210015.2/31

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 36.755+/-14.542 χ^2/NDF:15.1/14

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

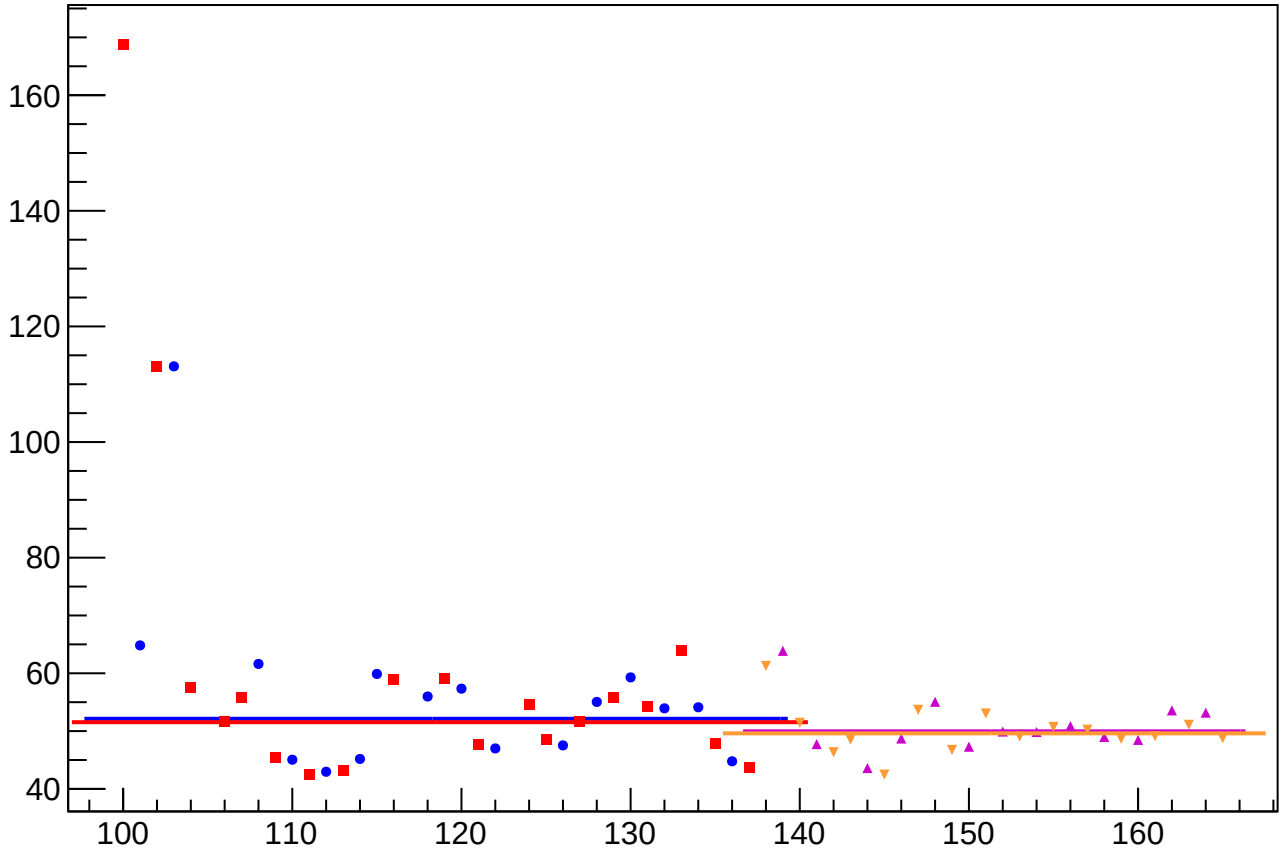
Left In: -56.264+/-15.196 χ^2/NDF:19.6/12

+ sign 23.134+/-11.760 χ^2/NDF: 32.2/30

All: -14.511+/-8.404 χ^2/NDF: 102.1/62

- sign -53.801+/-12.014 χ^2/NDF: 49.0/31

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.611+/-0.010 χ^2/NDF:133273.5/14

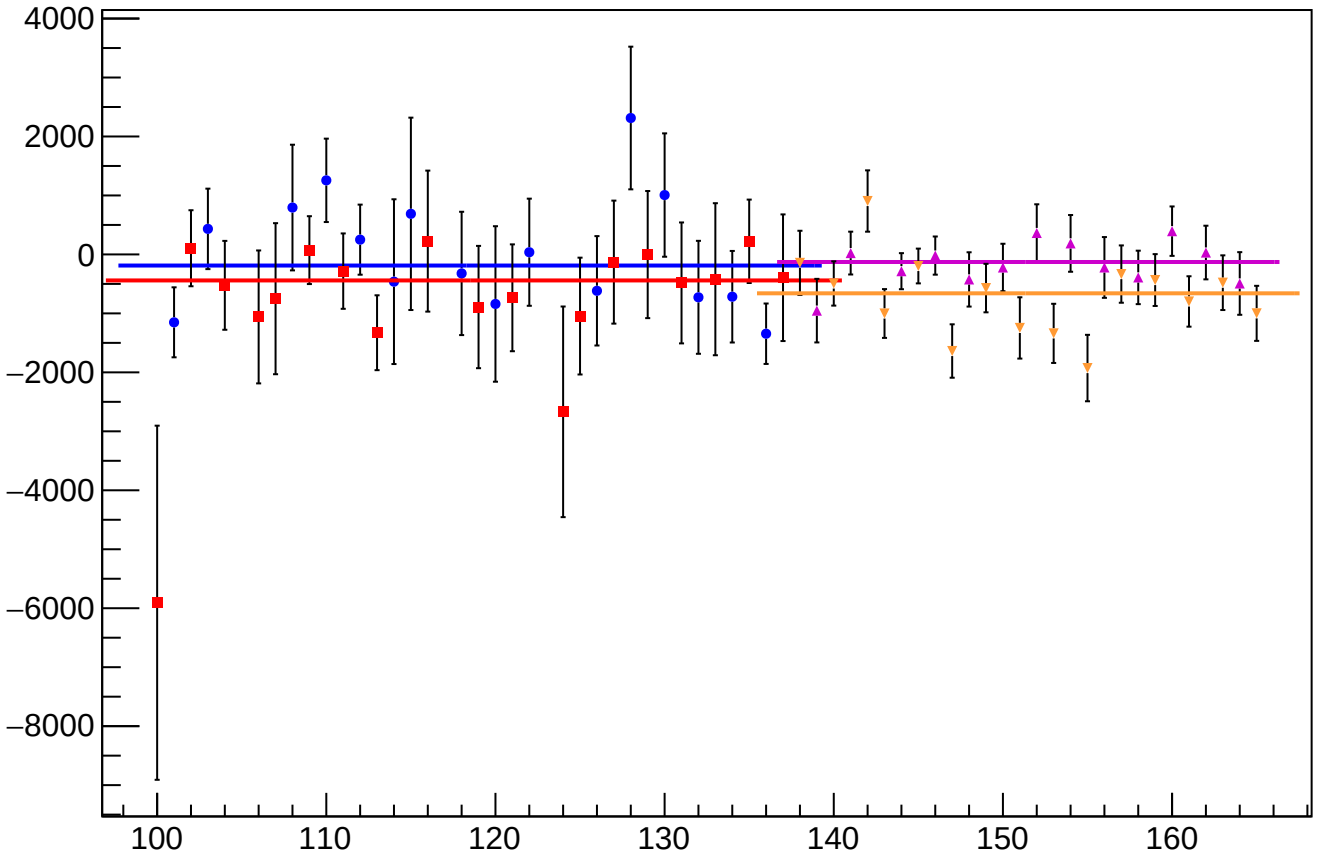
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

+ sign 50.482+/-0.008 χ^2/NDF: 716923.6/30

All: 50.516+/-0.006 χ^2/NDF: 1521541.0/62

- sign 50.551+/-0.008 χ^2/NDF: 804583.8/31



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -659.639+/-113.776 χ^2/NDF:27.7/14

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

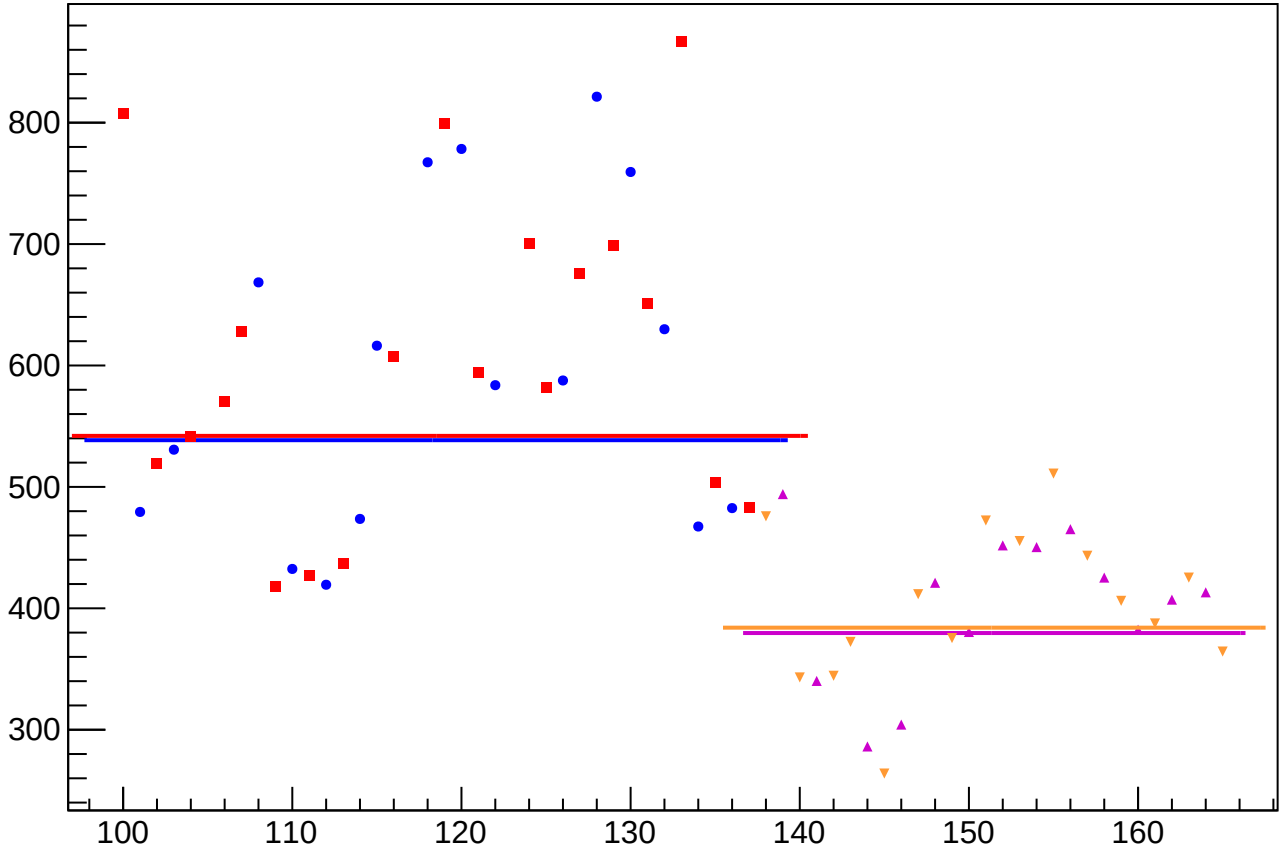
Left In: -128.498+/-116.707 χ^2/NDF:7.3/12

\+ sign -549.369+/-99.574 χ^2/NDF: 53.1/30

All: -380.432+/-71.017 χ^2/NDF: 78.9/62

\- sign -205.536+/-101.315 χ^2/NDF: 20.0/31

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 384.071+/-0.080 χ^2/NDF:688051.4/14

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

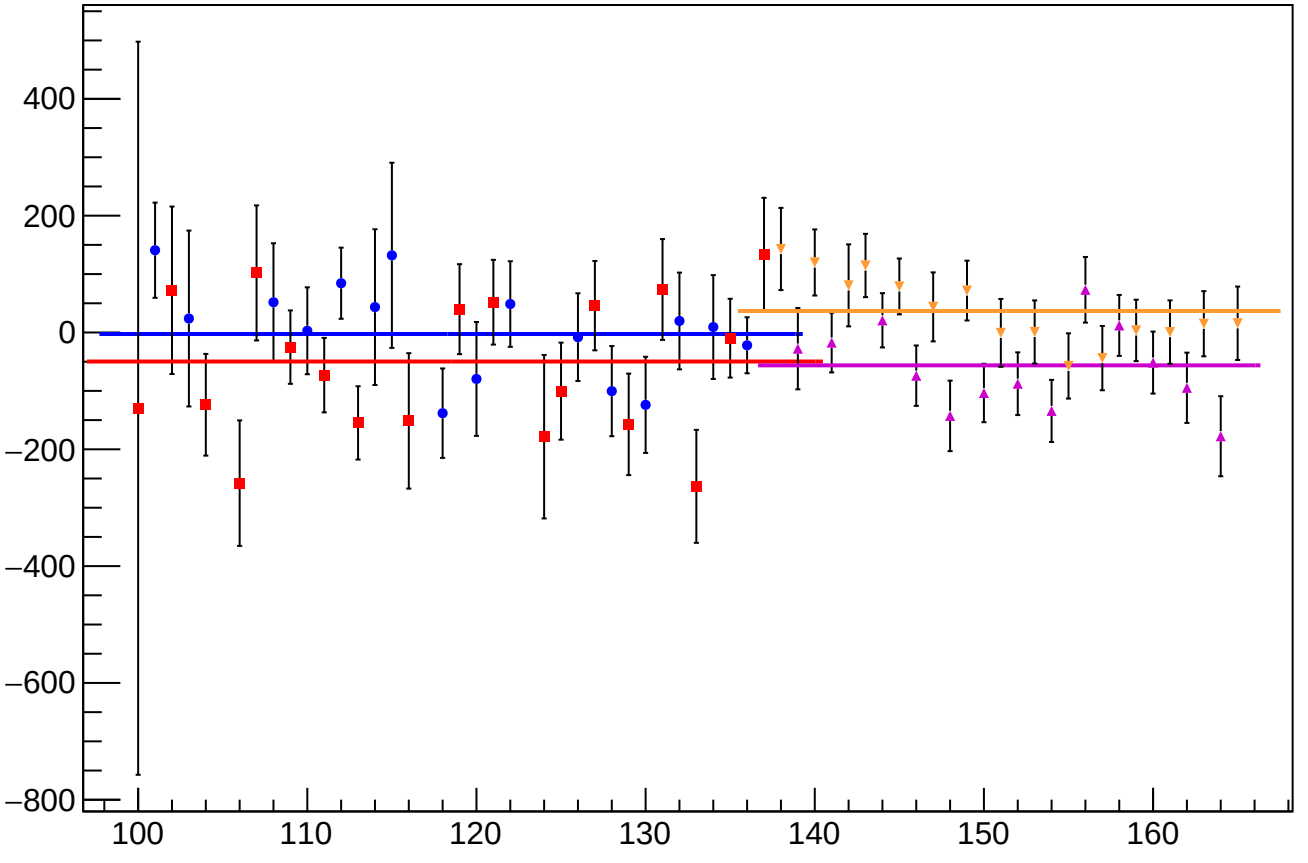
Left In: 379.644+/-0.083 χ^2/NDF:603233.2/12

\+ sign 420.212+/-0.070 χ^2/NDF: 2164181.8/30

All: 419.937+/-0.050 χ^2/NDF: 4352944.6/62

\- sign 419.652+/-0.072 χ^2/NDF: 2188731.8/31

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 36.755+/-14.542 χ^2/NDF:15.1/14

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

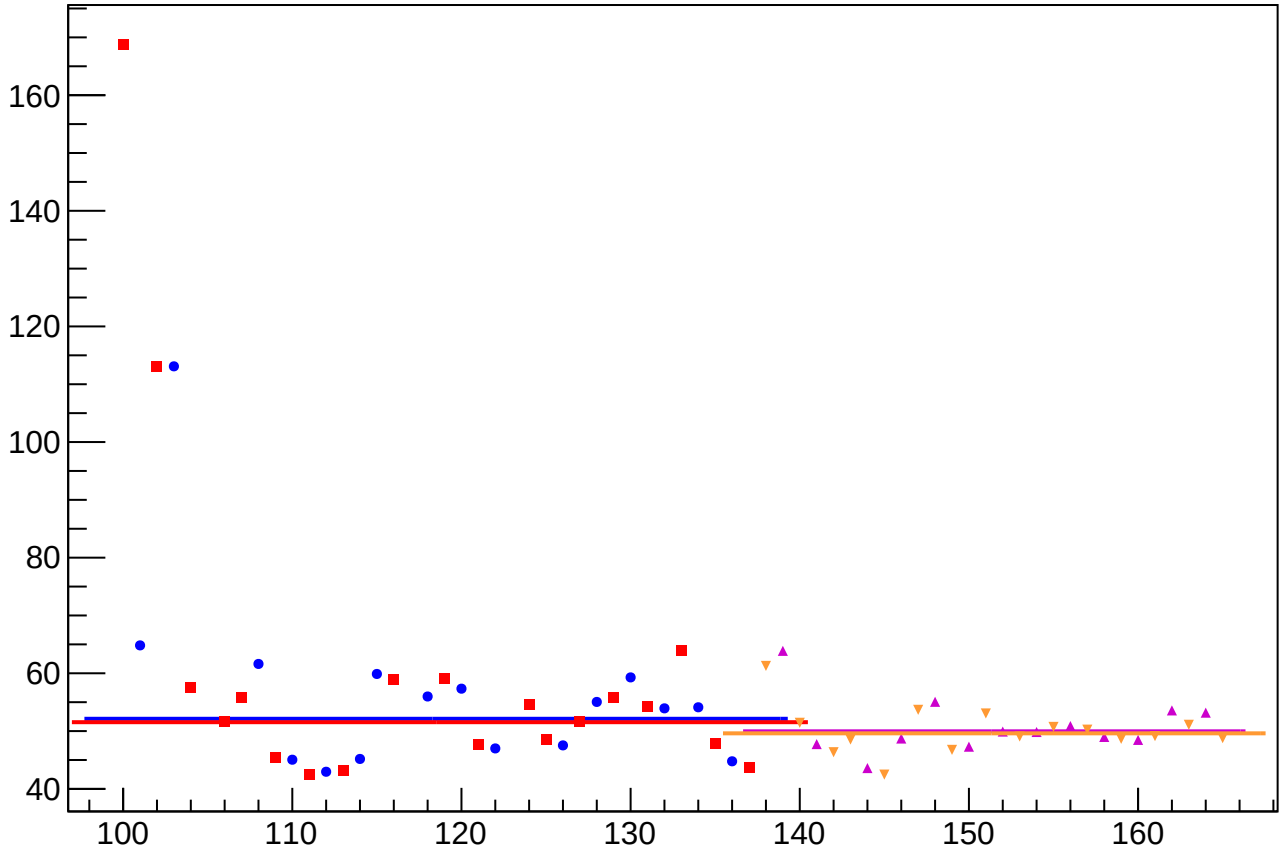
Left In: -56.264+/-15.196 χ^2/NDF:19.6/12

+ sign 23.134+/-11.760 χ^2/NDF: 32.2/30

All: -14.511+/-8.404 χ^2/NDF: 102.1/62

- sign -53.801+/-12.014 χ^2/NDF: 49.0/31

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.611+/-0.010 χ^2/NDF:133273.5/14

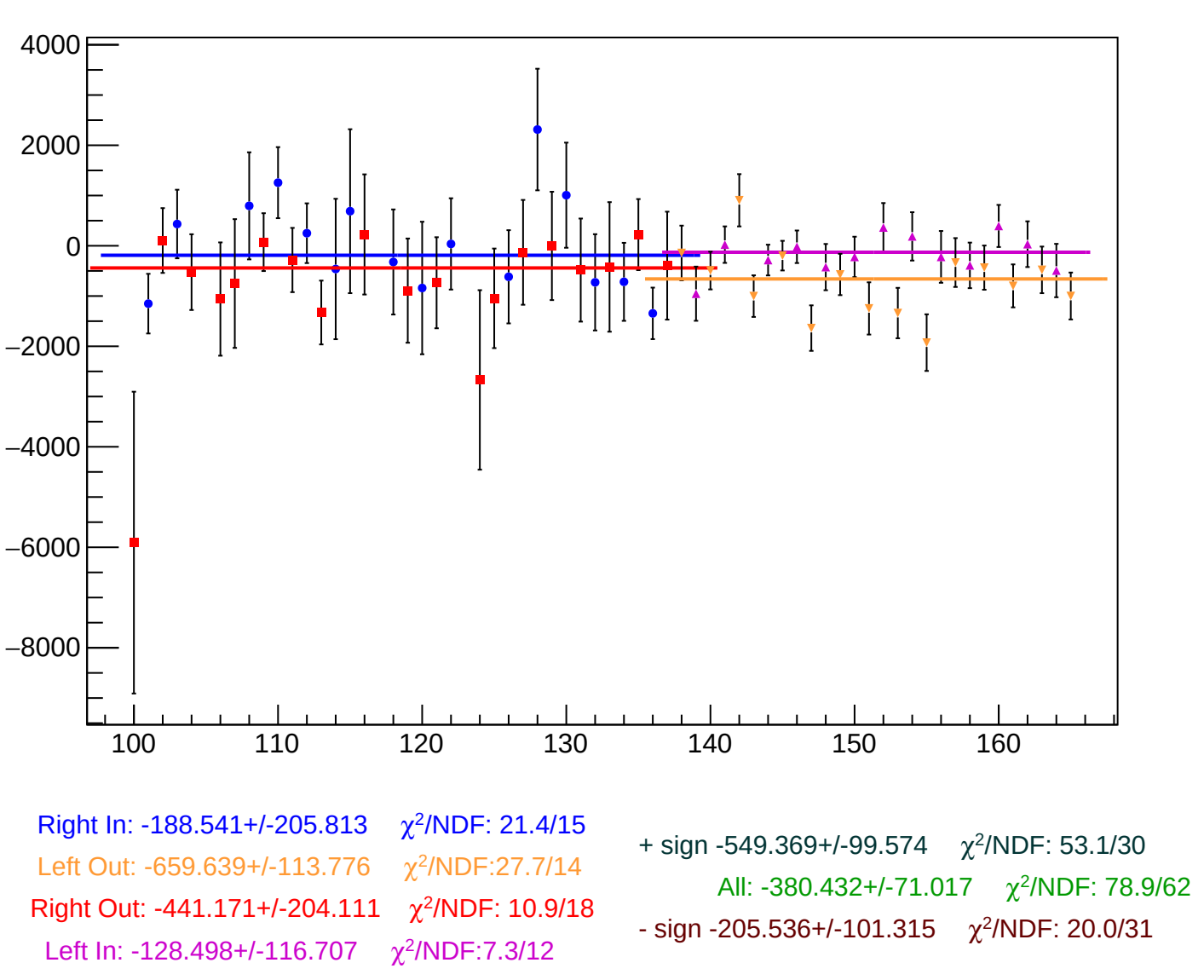
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

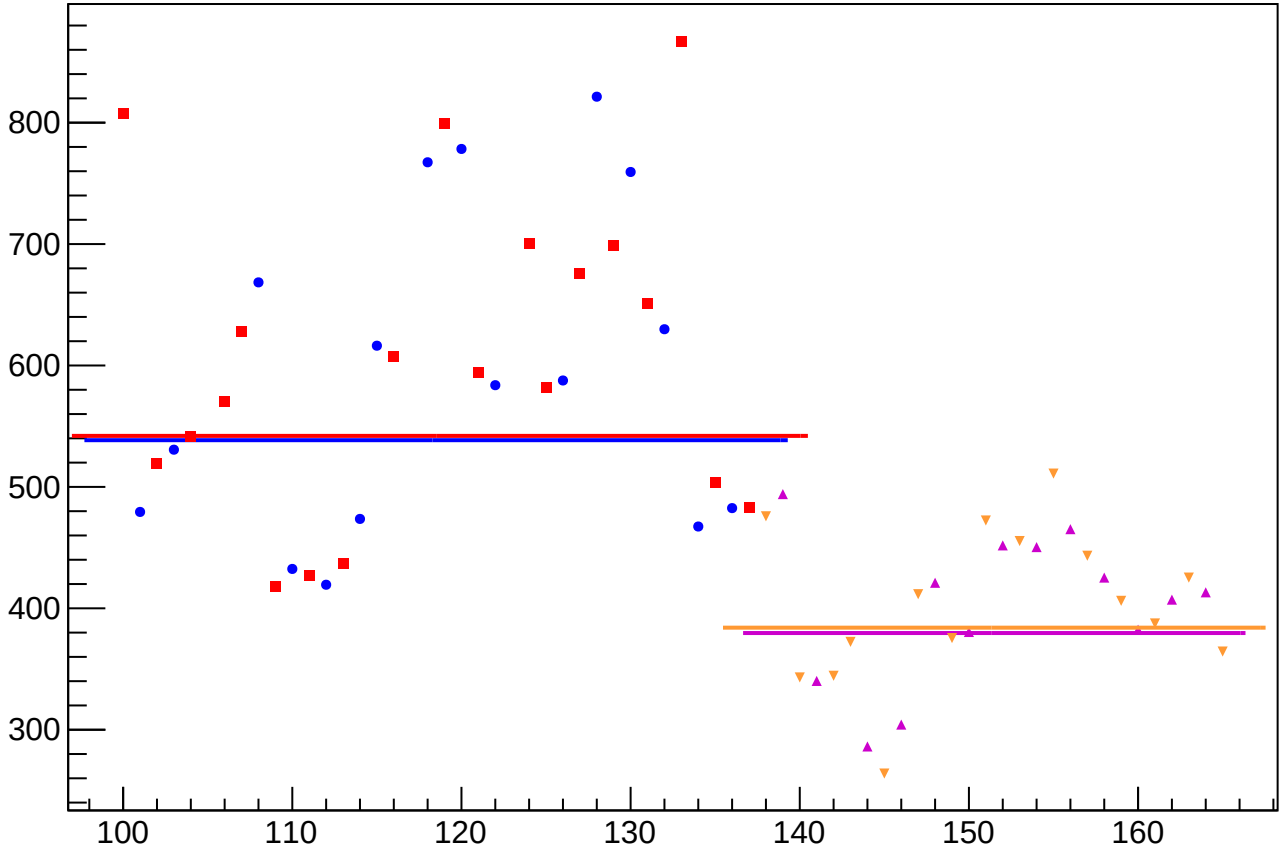
+ sign 50.482+/-0.008 χ^2/NDF: 716923.6/30

All: 50.516+/-0.006 χ^2/NDF: 1521541.0/62

- sign 50.551+/-0.008 χ^2/NDF: 804583.8/31


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -659.639+/-113.776 χ²/NDF:27.7/14
Right Out: -441.171+/-204.111 χ²/NDF: 10.9/18
Left In: -128.498+/-116.707 χ²/NDF:7.3/12
+ sign -549.369+/-99.574 χ²/NDF: 53.1/30
All: -380.432+/-71.017 χ²/NDF: 78.9/62
- sign -205.536+/-101.315 χ²/NDF: 20.0/31

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 384.071+/-0.080 χ^2/NDF:688051.4/14

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

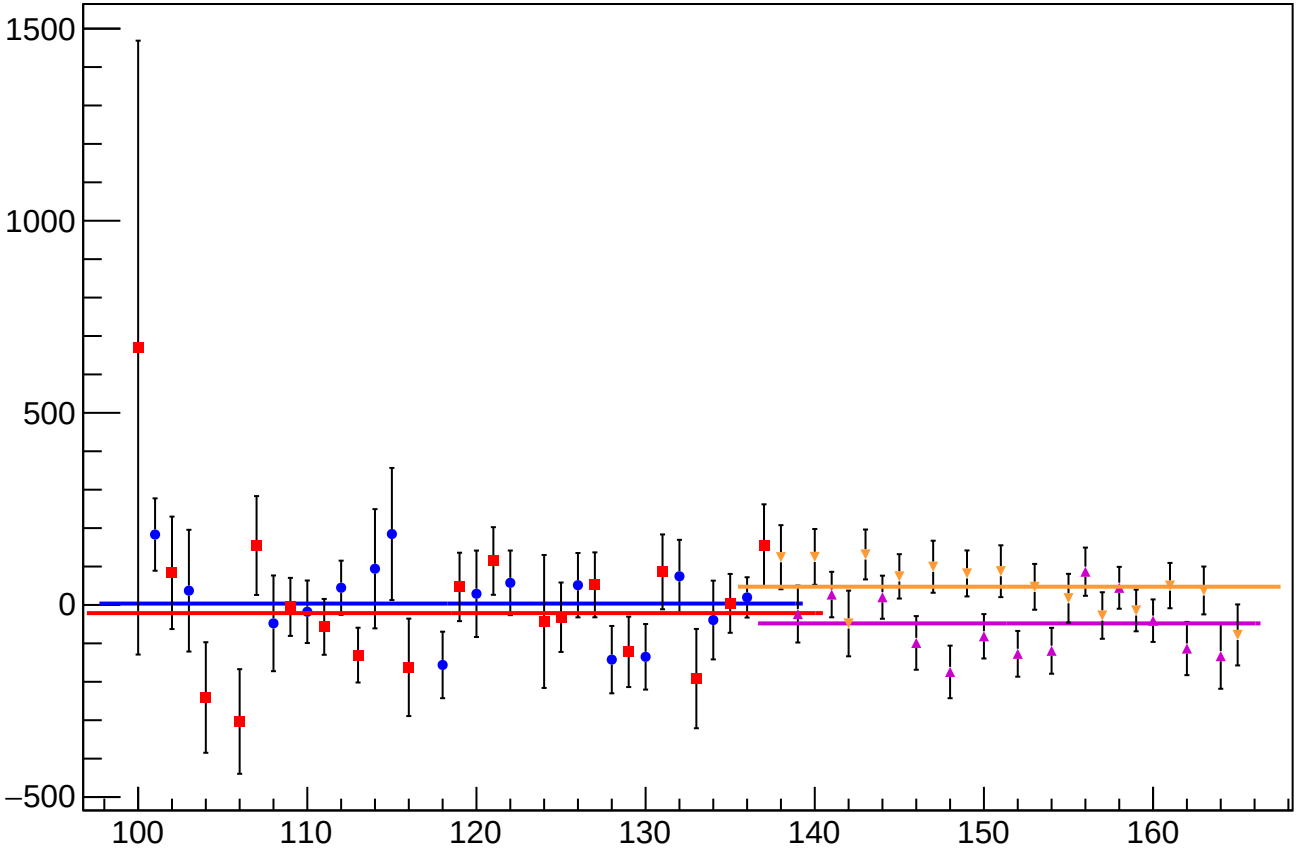
Left In: 379.644+/-0.083 χ^2/NDF:603233.2/12

+ sign 420.212+/-0.070 χ^2/NDF: 2164181.8/30

All: 419.937+/-0.050 χ^2/NDF: 4352944.6/62

- sign 419.652+/-0.072 χ^2/NDF: 2188731.8/31

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.461+/-16.735 χ^2/NDF:12.0/14

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

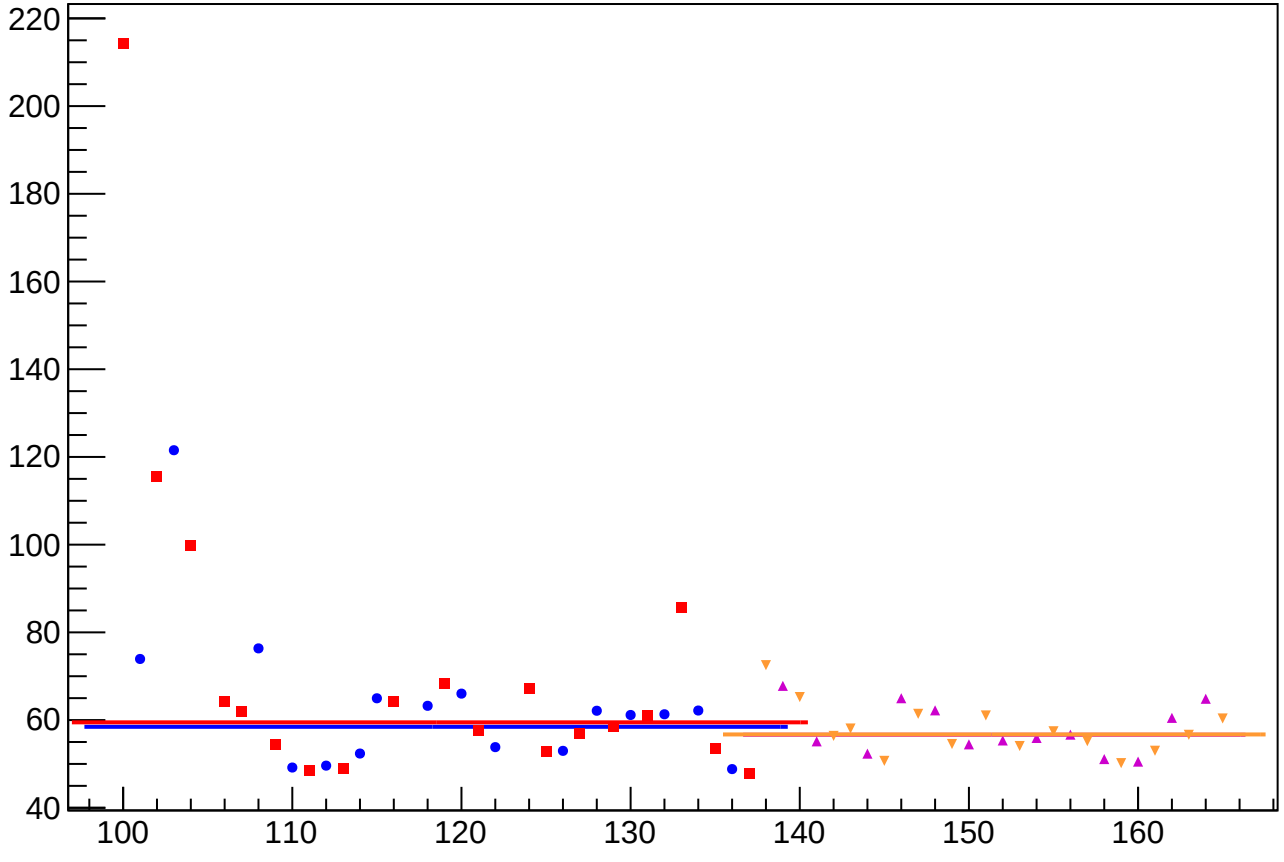
Left In: -48.003+/-17.331 χ^2/NDF:20.1/12

+ sign 31.820+/-13.424 χ^2/NDF: 30.6/30

All: -2.243+/-9.619 χ^2/NDF: 89.2/62

- sign -38.190+/-13.790 χ^2/NDF: 45.3/31

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.725+/-0.012 χ^2/NDF:189332.7/14

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

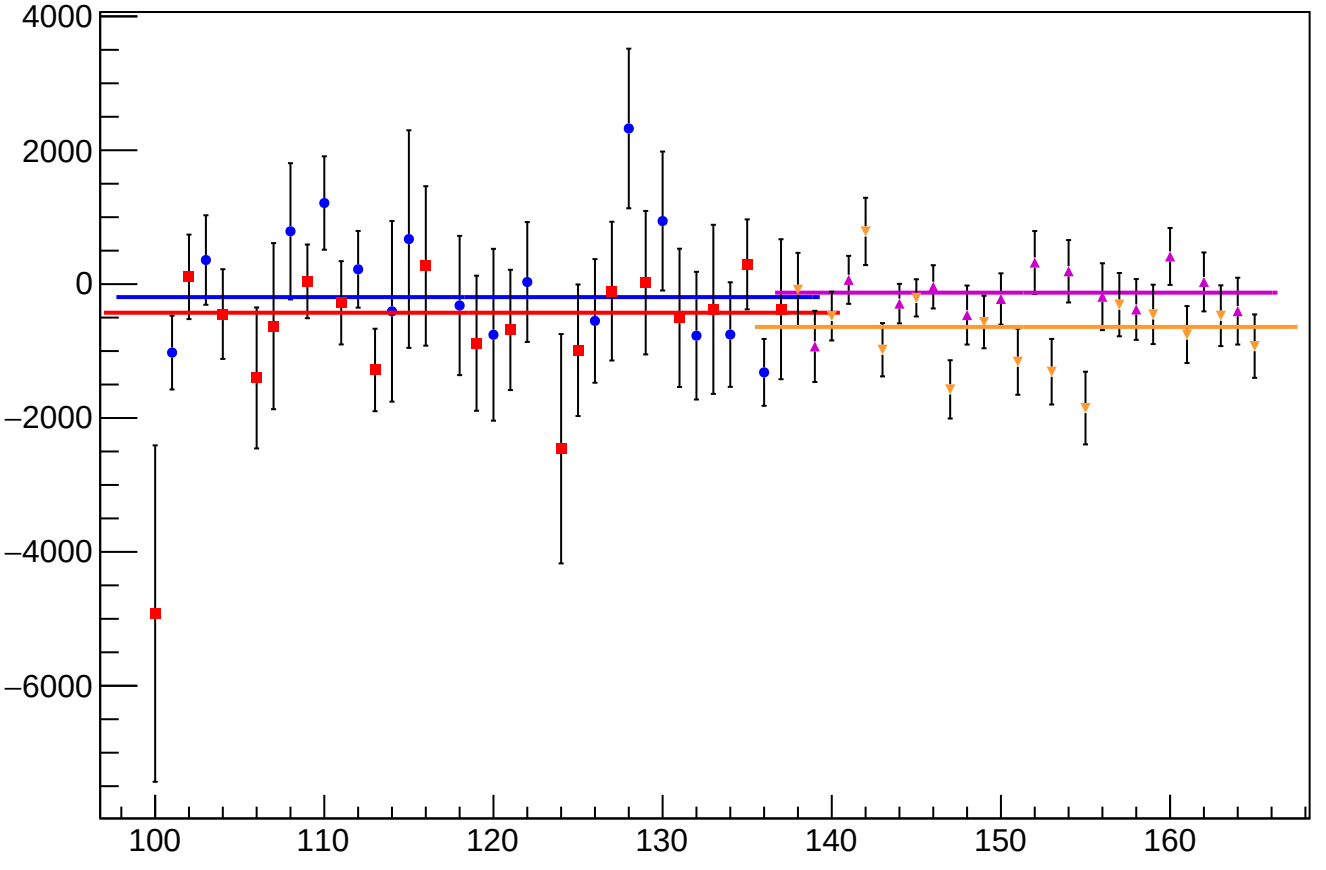
Left In: 56.650+/-0.012 χ^2/NDF:174177.0/12

+ sign 57.345+/-0.009 χ^2/NDF: 780033.3/30

All: 57.513+/-0.007 χ^2/NDF: 1759349.3/62

- sign 57.690+/-0.010 χ^2/NDF: 978675.9/31

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -639.087+/-110.537 χ^2/NDF:26.3/14

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

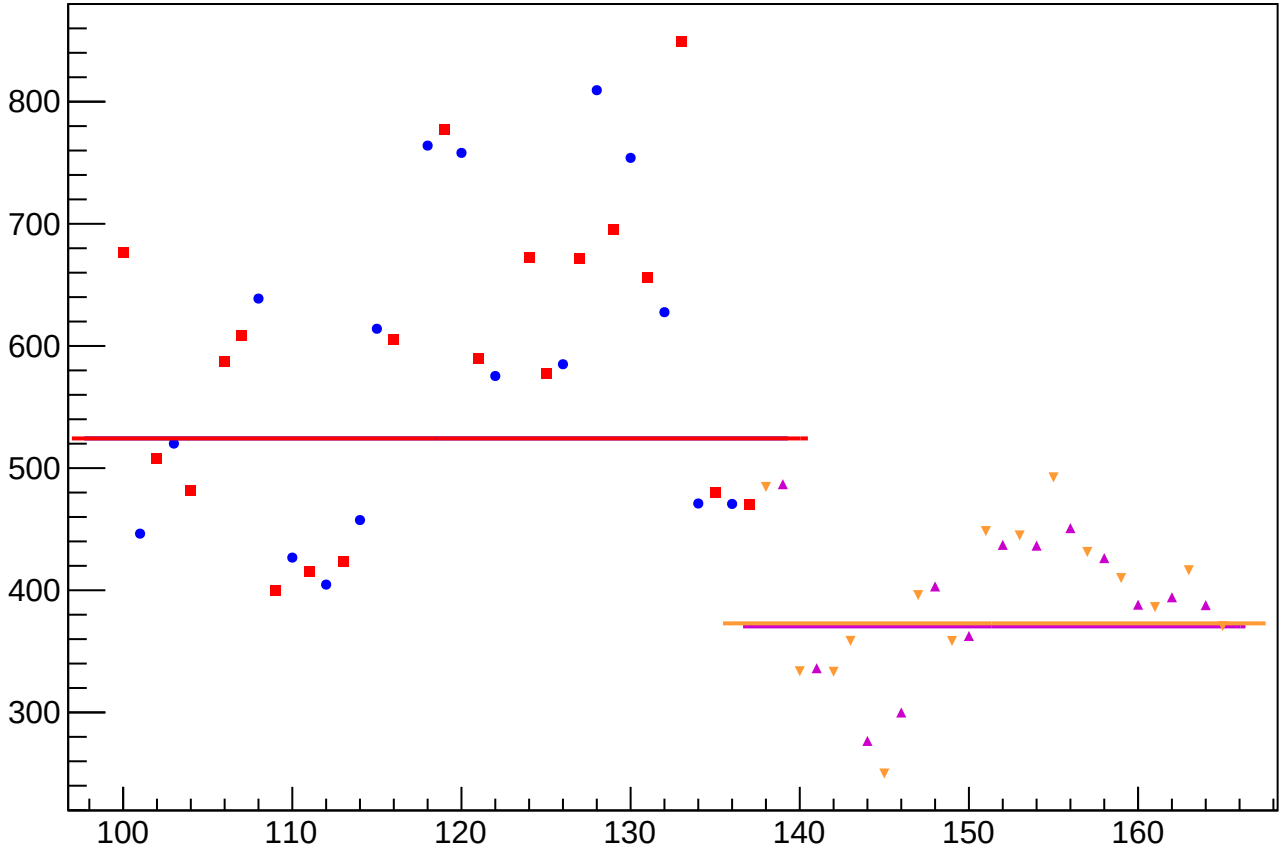
Left In: -127.477+/-113.917 χ^2/NDF:7.3/12

+ sign -535.399+/-96.812 χ^2/NDF: 50.8/30

All: -372.035+/-69.086 χ^2/NDF: 77.0/62

- sign -202.525+/-98.617 χ^2/NDF: 20.4/31

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 372.907+/-0.078 χ^2/NDF:771272.1/14

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

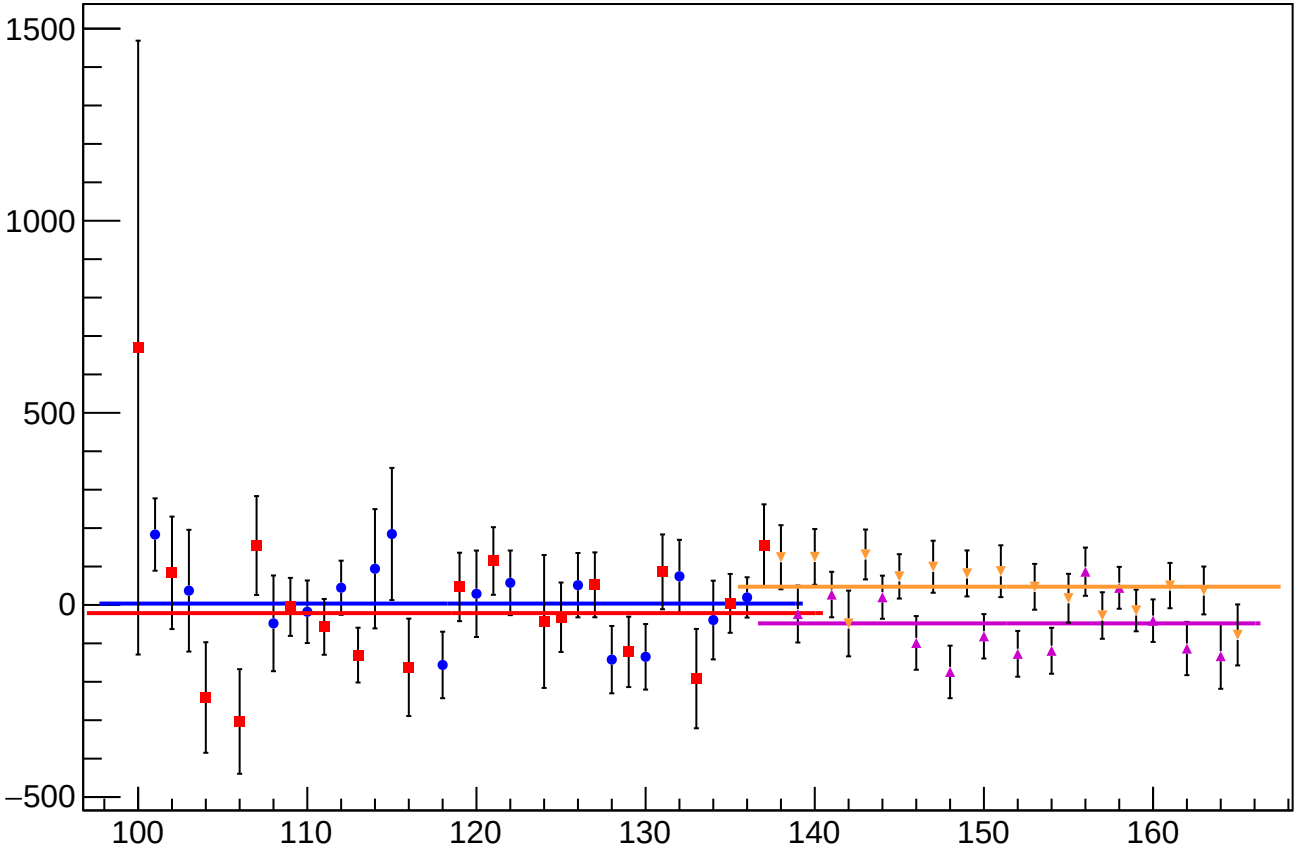
Left In: 370.416+/-0.081 χ^2/NDF:597721.8/12

+ sign 408.173+/-0.068 χ^2/NDF: 2303867.7/30

All: 408.568+/-0.049 χ^2/NDF: 4502300.8/62

- sign 408.978+/-0.070 χ^2/NDF: 2198365.3/31

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 47.463+/-16.736 χ^2/NDF:12.0/14

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

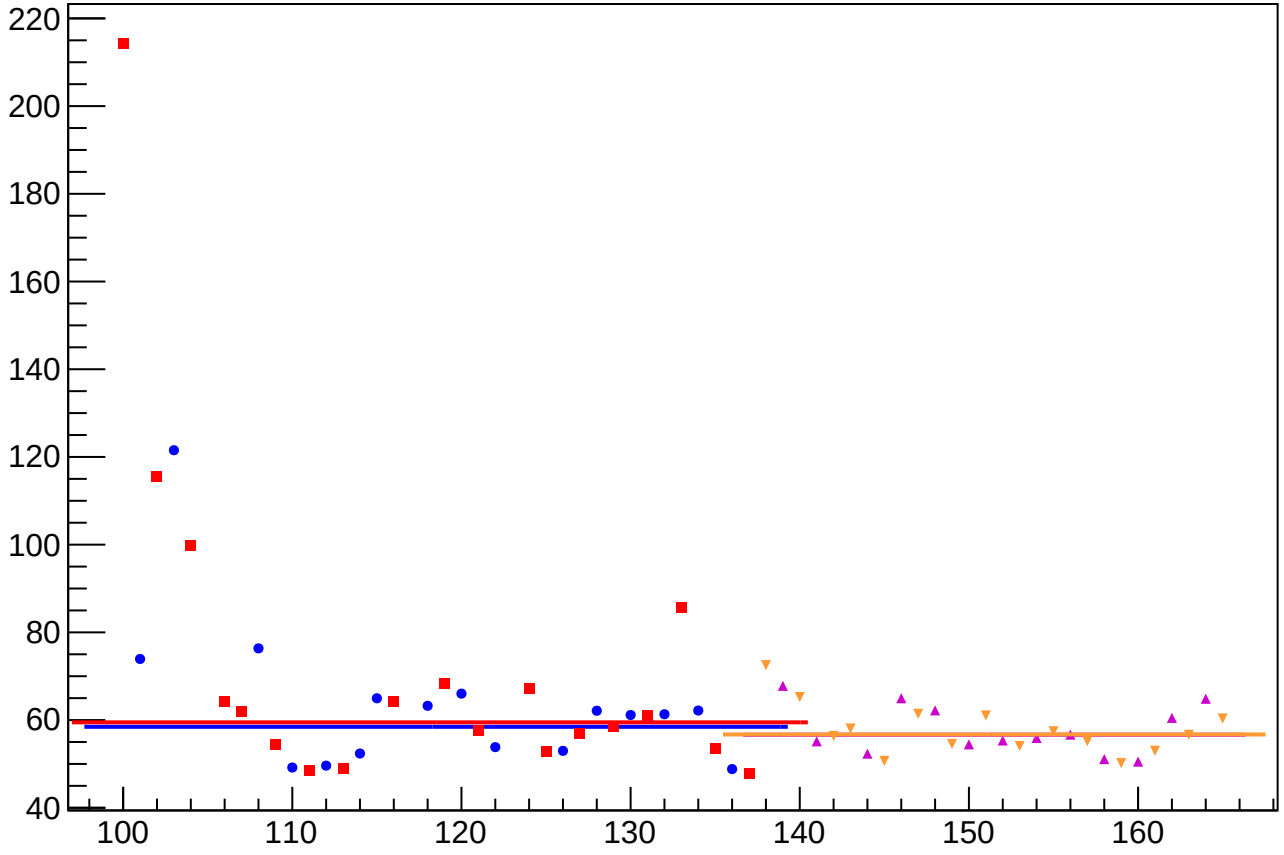
Left In: -48.003+/-17.331 χ^2/NDF:20.1/12

+ sign 31.820+/-13.424 χ^2/NDF: 30.6/30

All: -2.243+/-9.619 χ^2/NDF: 89.2/62

- sign -38.190+/-13.790 χ^2/NDF: 45.3/31

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.725+/-0.012 χ^2/NDF:189337.1/14

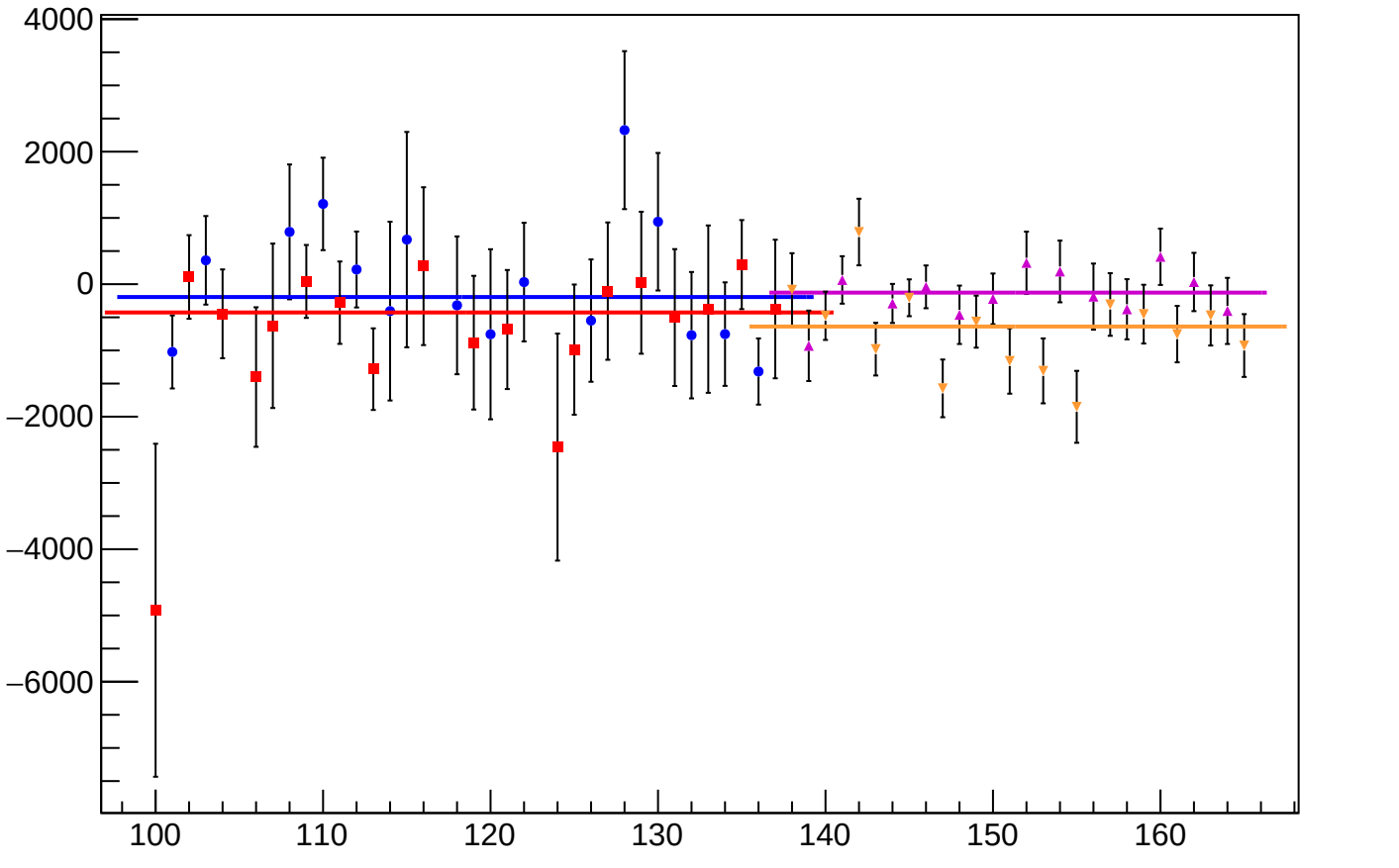
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.650+/-0.012 χ^2/NDF:174179.5/12

+ sign 57.346+/-0.009 χ^2/NDF: 780033.4/30

All: 57.513+/-0.007 χ^2/NDF: 1759351.4/62

- sign 57.690+/-0.010 χ^2/NDF: 978677.9/31



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -639.087+/-110.537 χ^2/NDF:26.3/14

Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

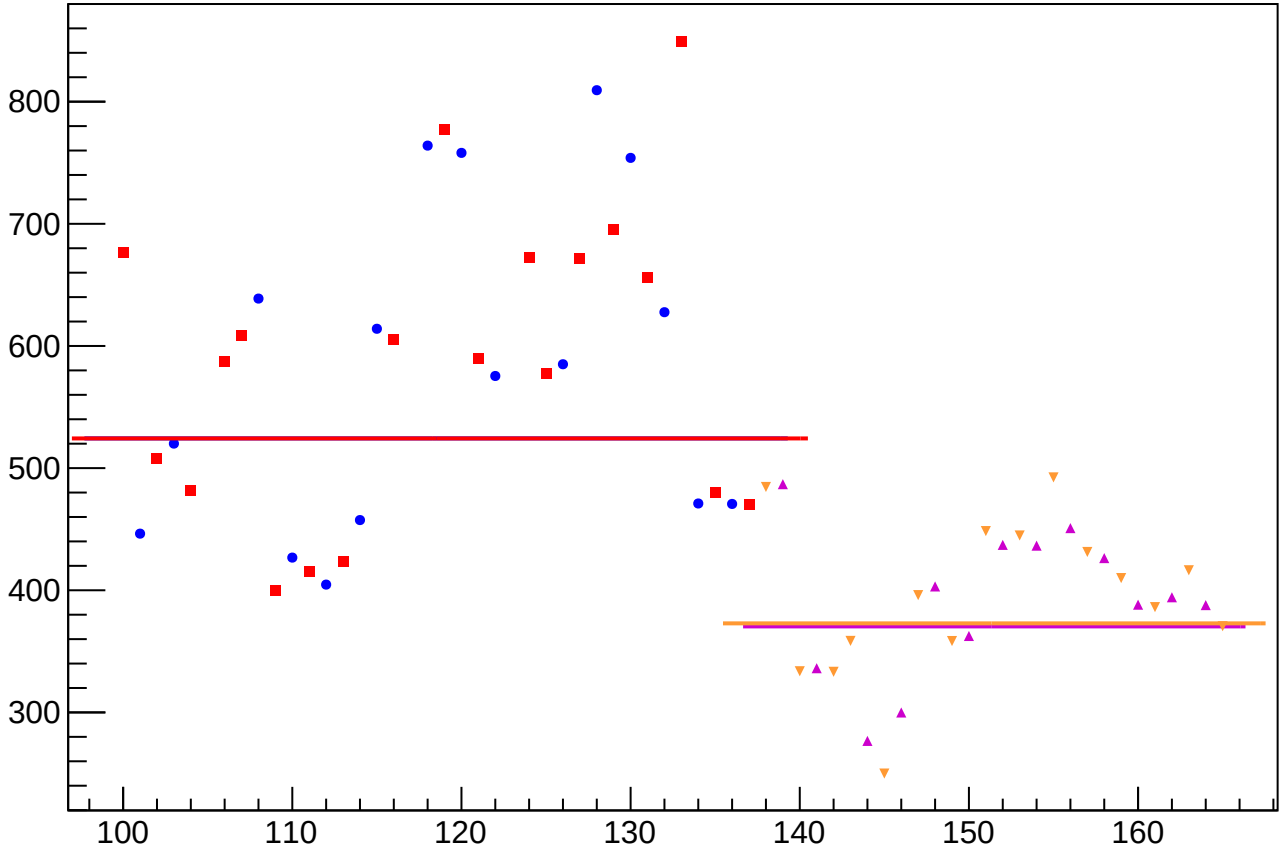
Left In: -127.476+/-113.917 χ^2/NDF:7.3/12

+ sign -535.399+/-96.812 χ^2/NDF: 50.8/30

All: -372.035+/-69.086 χ^2/NDF: 77.0/62

- sign -202.525+/-98.616 χ^2/NDF: 20.4/31

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 372.906+/-0.078 χ^2/NDF:771268.6/14

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

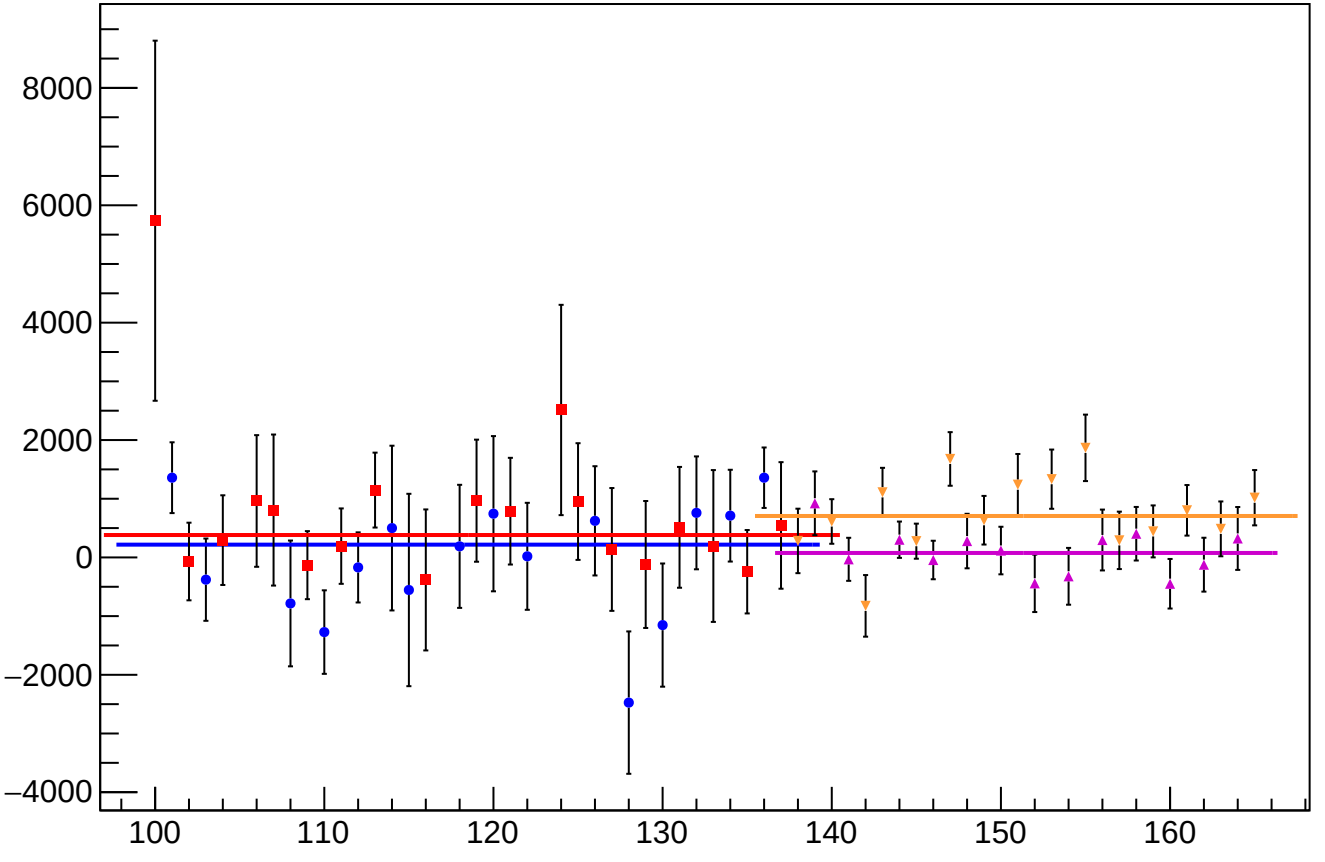
Left In: 370.416+/-0.081 χ^2/NDF:597718.1/12

+ sign 408.173+/-0.068 χ^2/NDF: 2303863.5/30

All: 408.568+/-0.049 χ^2/NDF: 4502289.4/62

- sign 408.978+/-0.070 χ^2/NDF: 2198358.1/31

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 706.125+/-114.787 χ^2/NDF:25.3/14

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

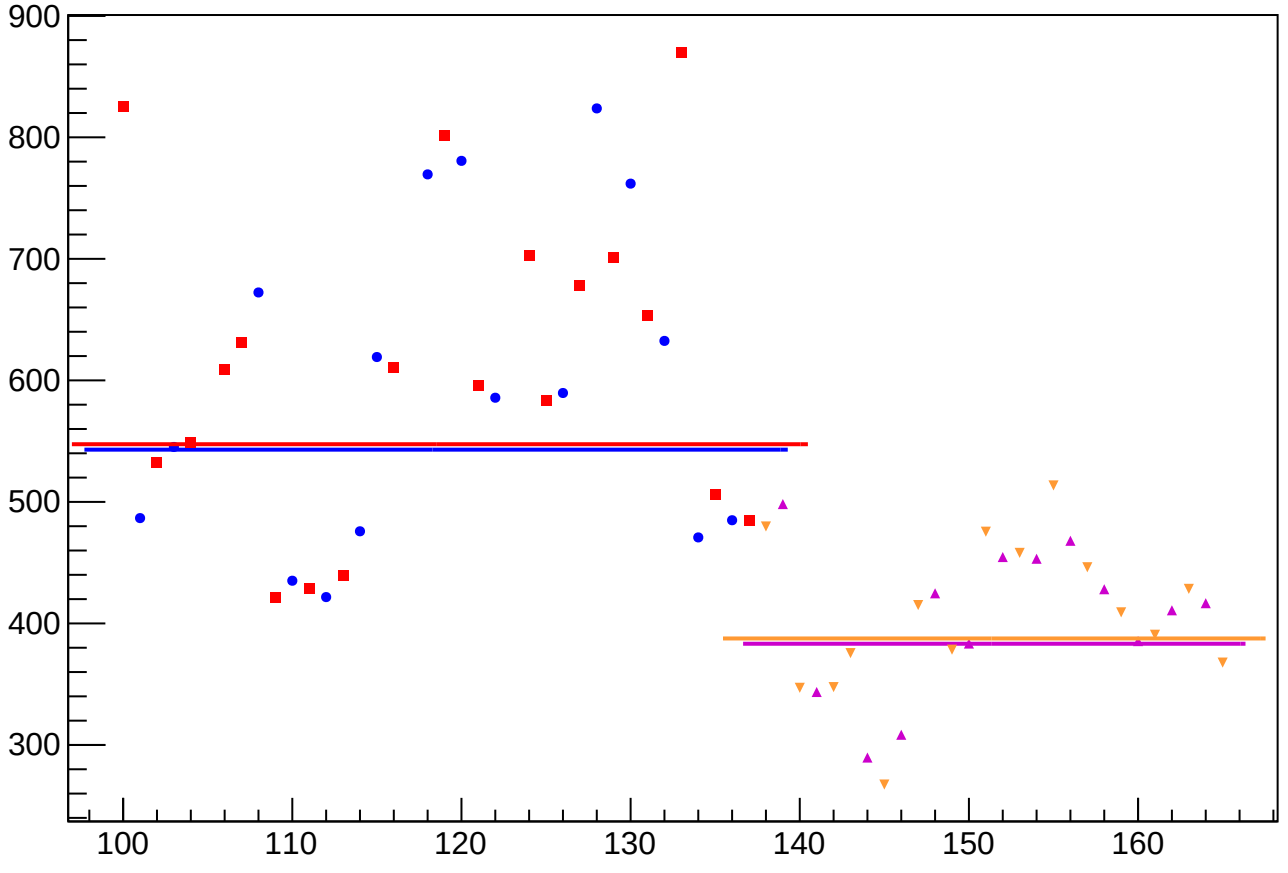
Left In: 76.095+/-117.782 χ^2/NDF:7.8/12

+ sign 591.687+/-100.442 χ^2/NDF: 52.4/30

All: 375.481+/-71.636 χ^2/NDF: 81.3/62

- sign 151.648+/-102.198 χ^2/NDF: 19.5/31

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 387.630+/-0.081 χ^2/NDF:670937.0/14

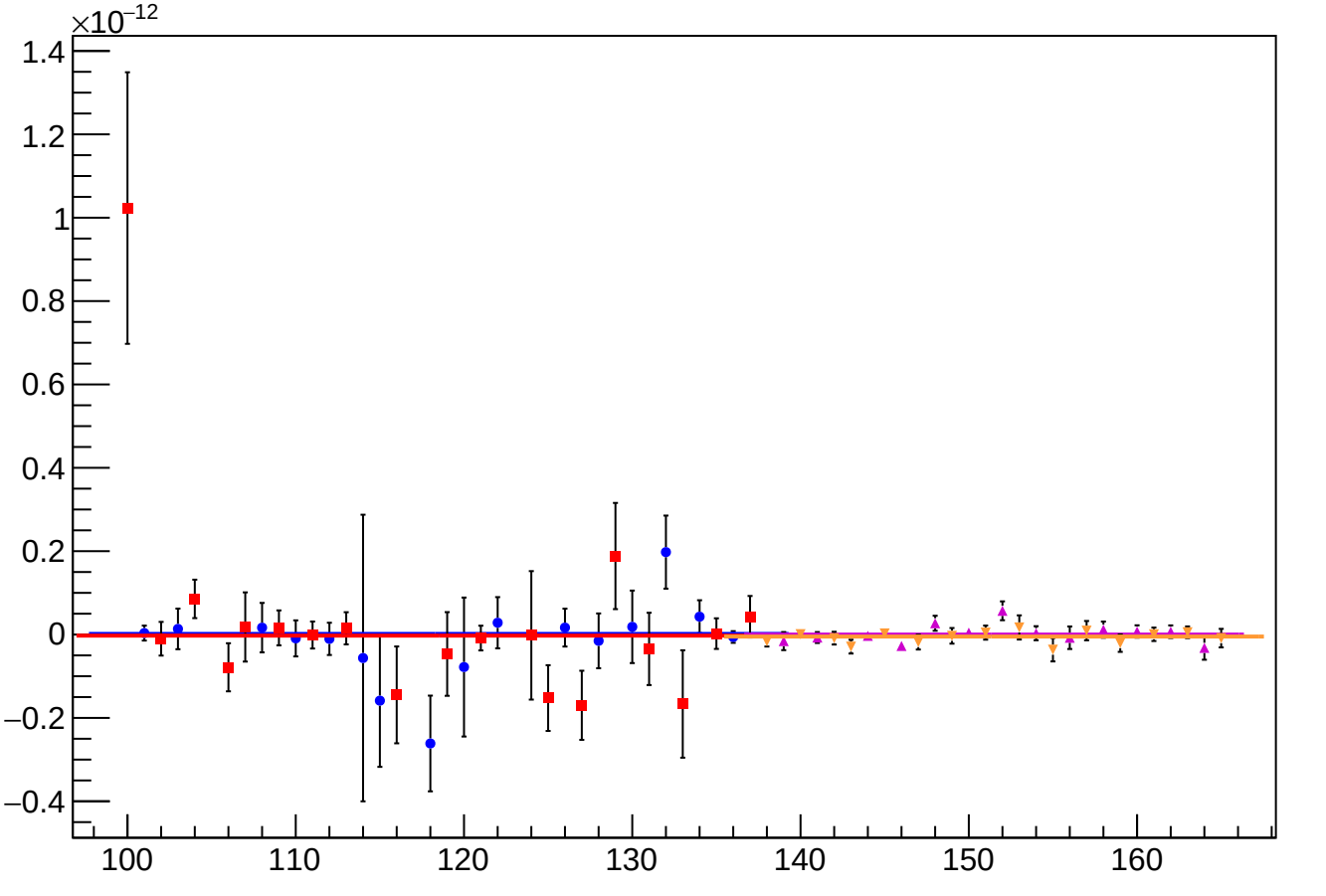
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 383.290+/-0.083 χ^2/NDF:588222.7/12

\+ sign 424.037+/-0.071 χ^2/NDF: 2134787.5/30

All: 423.950+/-0.051 χ^2/NDF: 4313555.0/62

\- sign 423.860+/-0.072 χ^2/NDF: 2178764.4/31



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/14

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

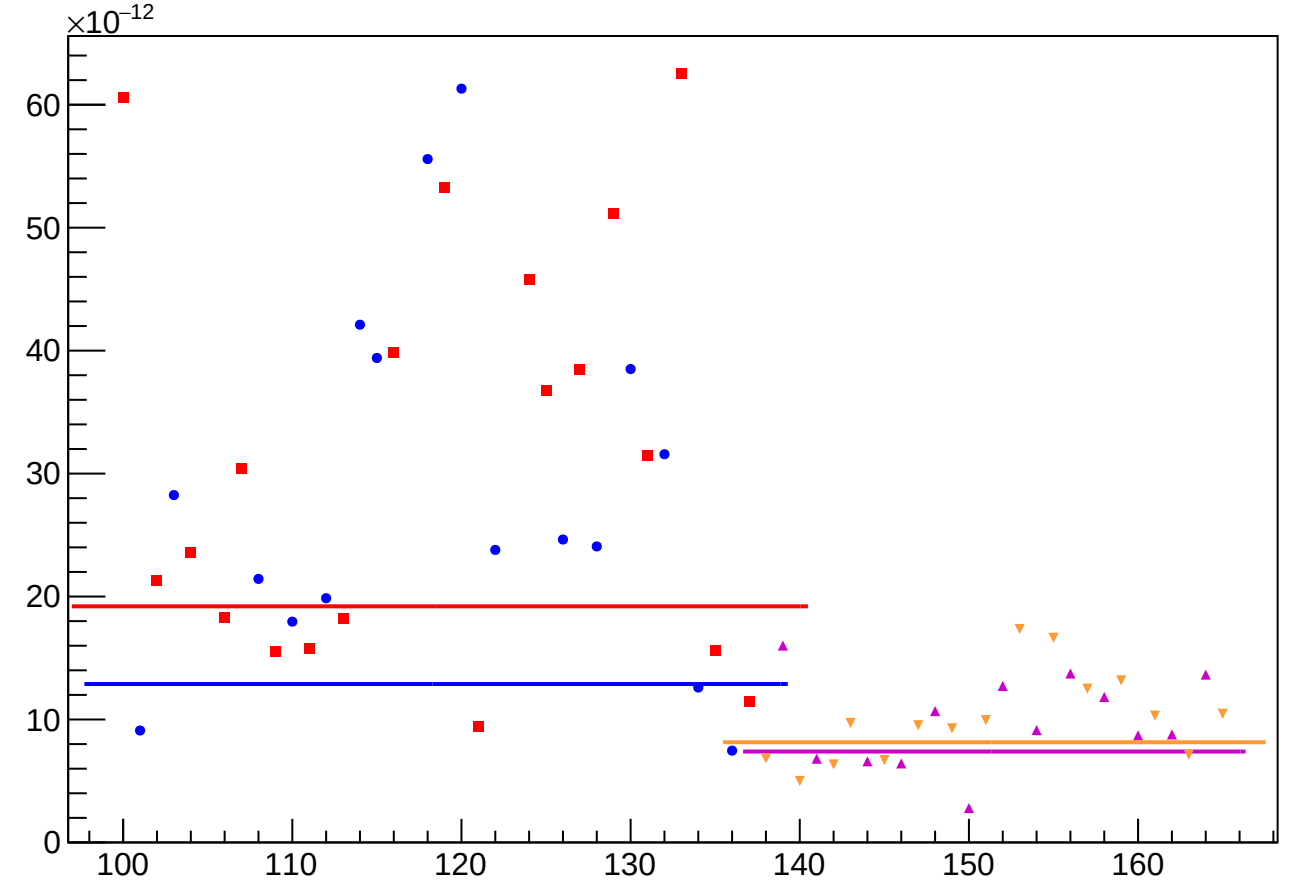
Left In: -0.000+/-0.000 χ^2/NDF:18.0/12

+ sign -0.000+/-0.000 χ^2/NDF: 22.3/30

All: -0.000+/-0.000 χ^2/NDF: 70.9/62

- sign -0.000+/-0.000 χ^2/NDF: 48.1/31

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:1032080.6/14

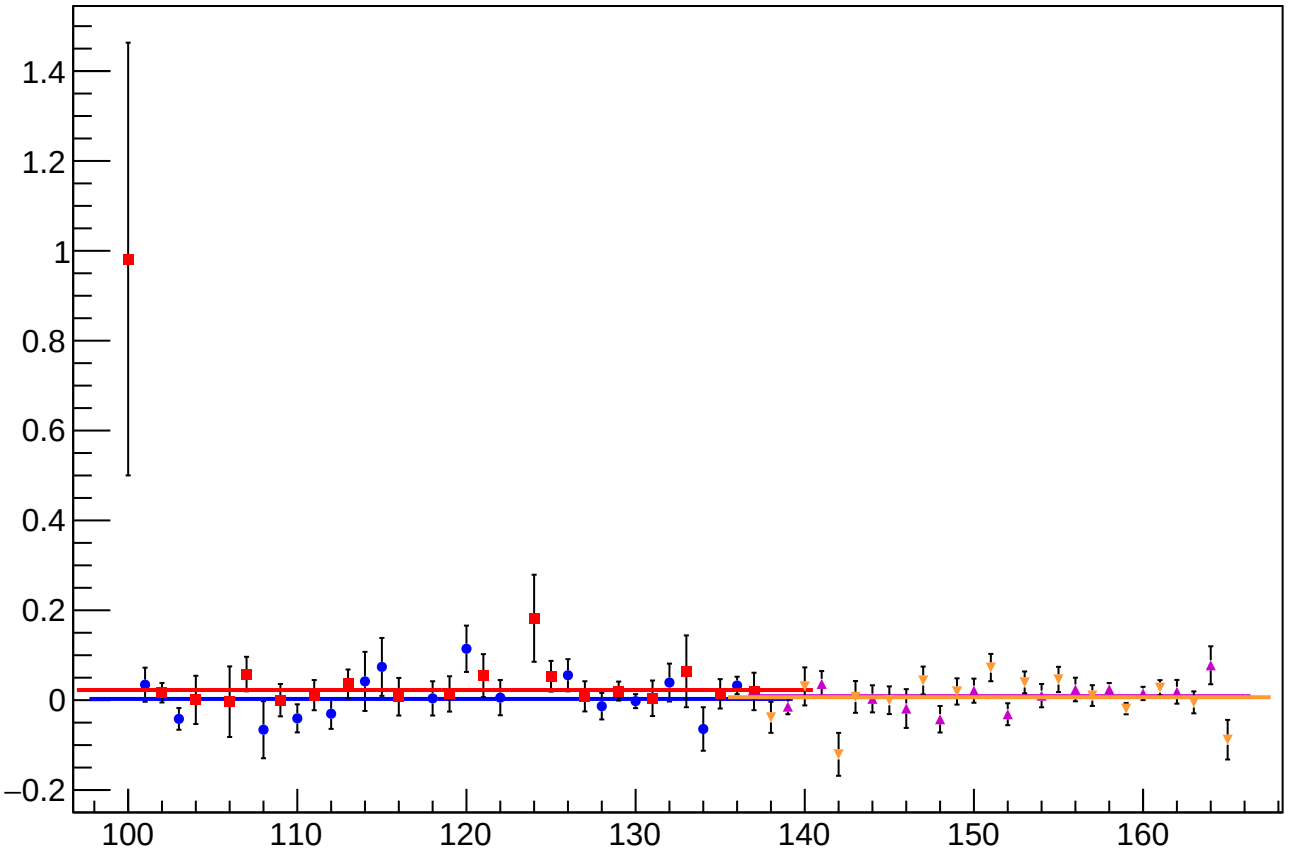
Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1500095.6/12

+ sign 0.000+/-0.000 χ^2/NDF: 3246230.7/30

All: 0.000+/-0.000 χ^2/NDF: 7833502.9/62

- sign 0.000+/-0.000 χ^2/NDF: 4577517.2/31



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.006 χ^2/NDF:29.8/14

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

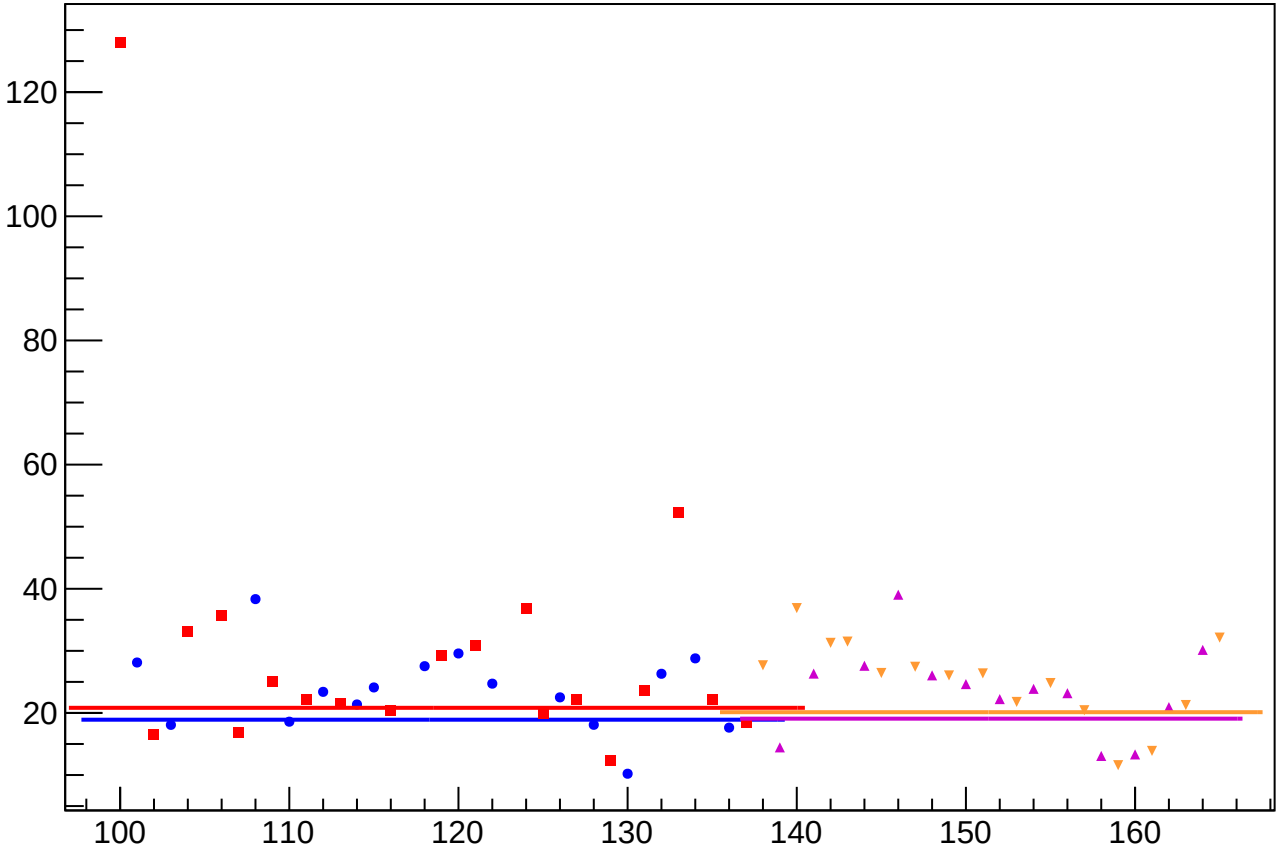
Left In: 0.009+/-0.006 χ^2/NDF:13.6/12

+ sign 0.005+/-0.005 χ^2/NDF: 51.9/30

All: 0.009+/-0.004 χ^2/NDF: 79.4/62

- sign 0.014+/-0.005 χ^2/NDF: 26.0/31

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.121+/-0.005 χ^2/NDF:2489553.7/14

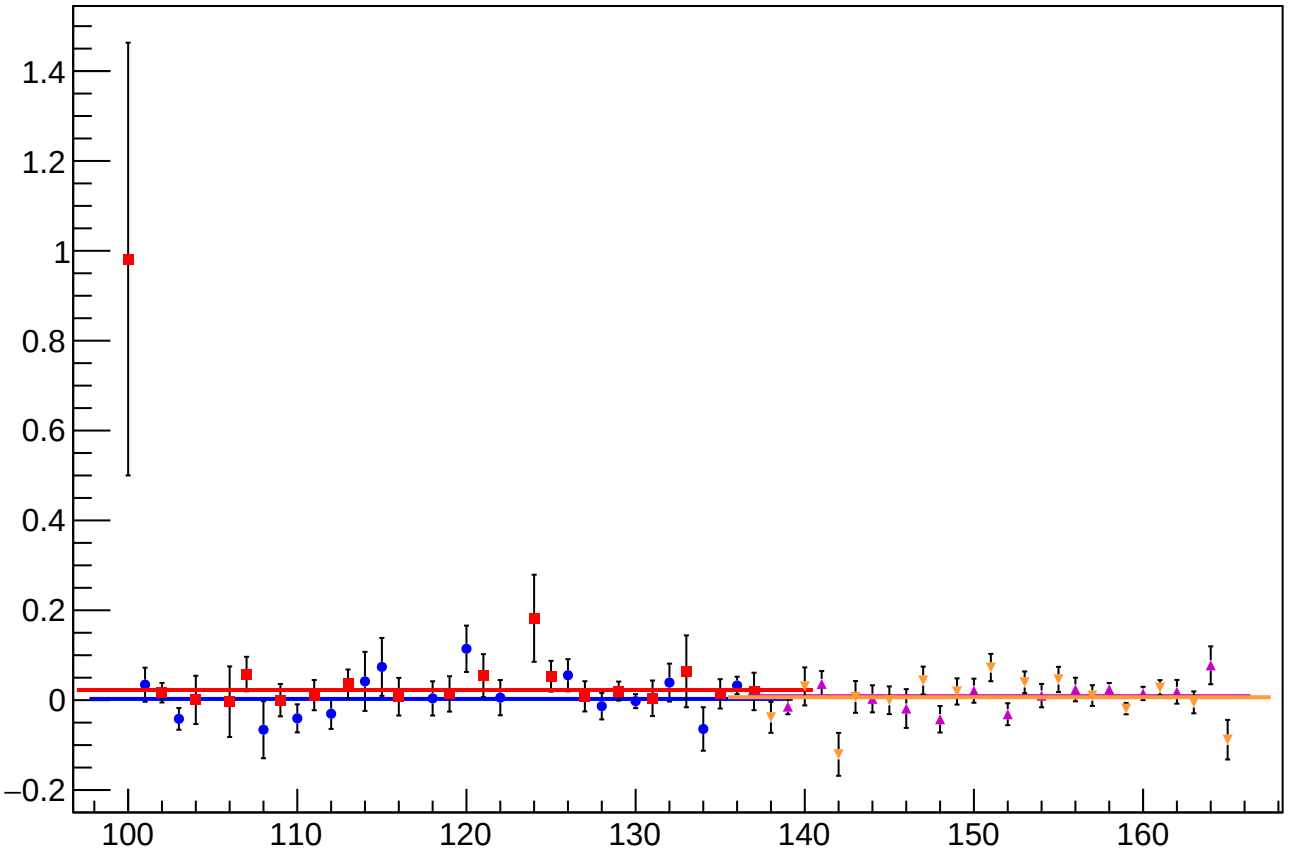
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.079+/-0.004 χ^2/NDF:2021729.8/12

+ sign 19.627+/-0.004 χ^2/NDF: 3908322.7/30

All: 19.666+/-0.003 χ^2/NDF: 7276635.3/62

- sign 19.707+/-0.004 χ^2/NDF: 3368057.1/31



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.006 χ^2/NDF:29.8/14

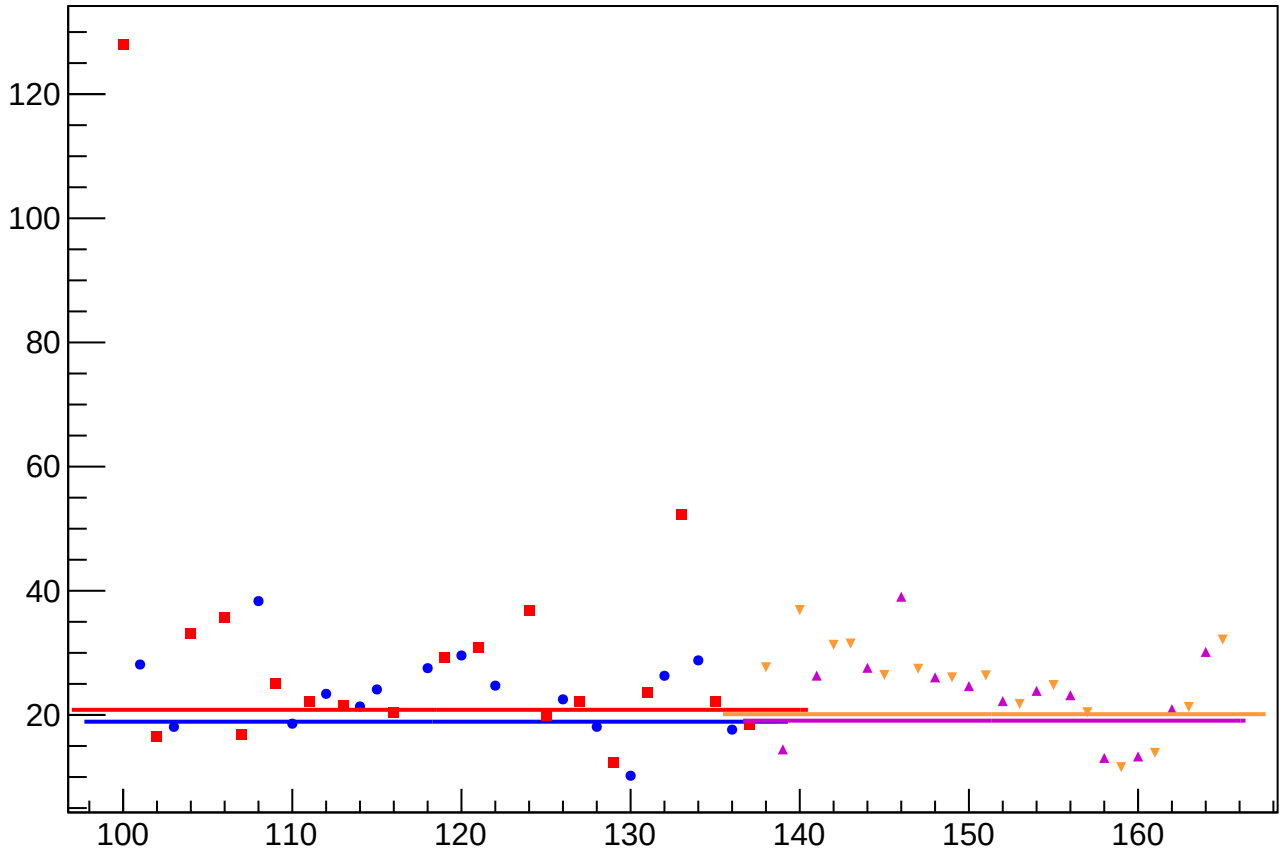
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.009+/-0.006 χ^2/NDF:13.6/12

+ sign 0.005+/-0.005 χ^2/NDF: 51.9/30

All: 0.009+/-0.004 χ^2/NDF: 79.4/62

- sign 0.014+/-0.005 χ^2/NDF: 26.0/31



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.121+/-0.005 χ^2/NDF:2489553.7/14

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

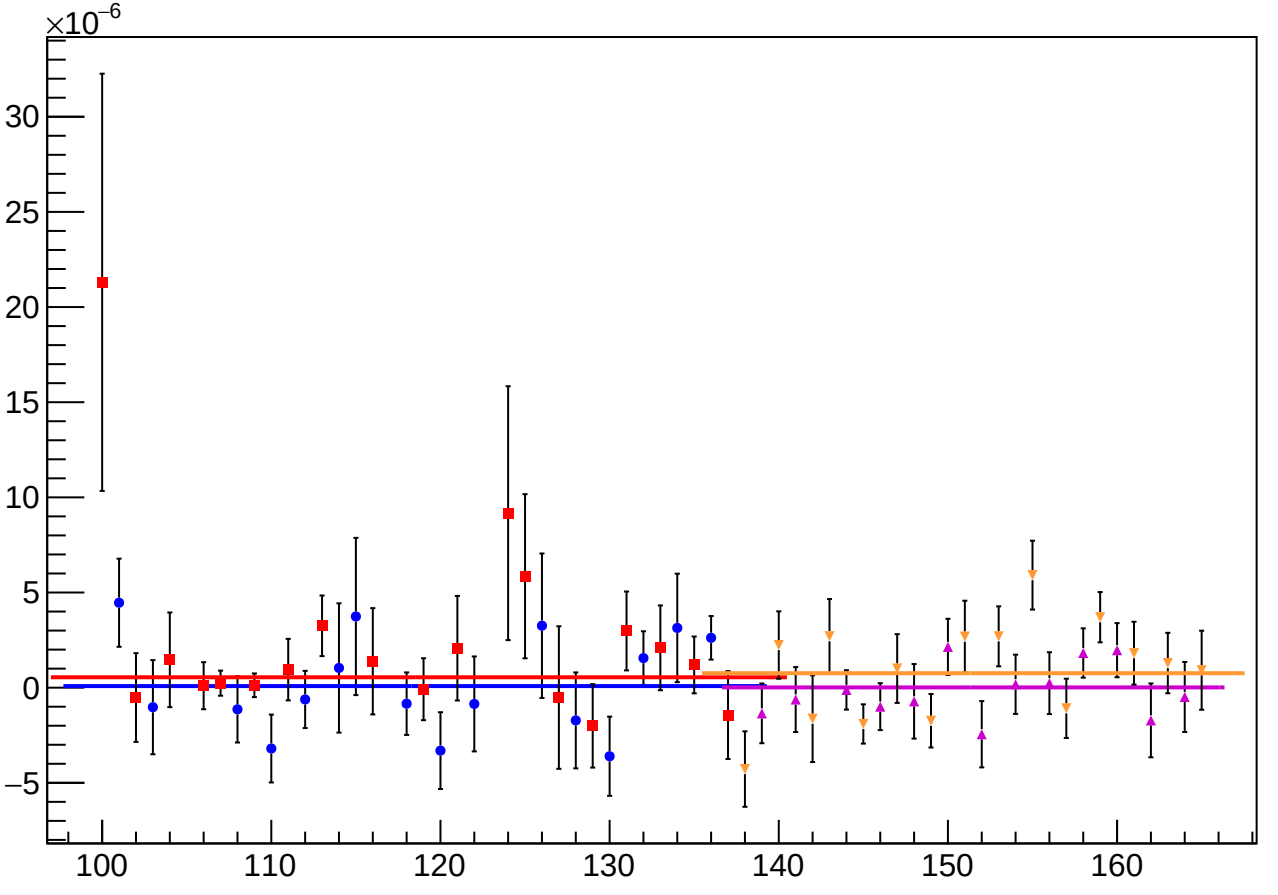
Left In: 19.079+/-0.004 χ^2/NDF:2021729.8/12

+ sign 19.627+/-0.004 χ^2/NDF: 3908322.7/30

All: 19.666+/-0.003 χ^2/NDF: 7276635.3/62

- sign 19.707+/-0.004 χ^2/NDF: 3368057.1/31

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/14

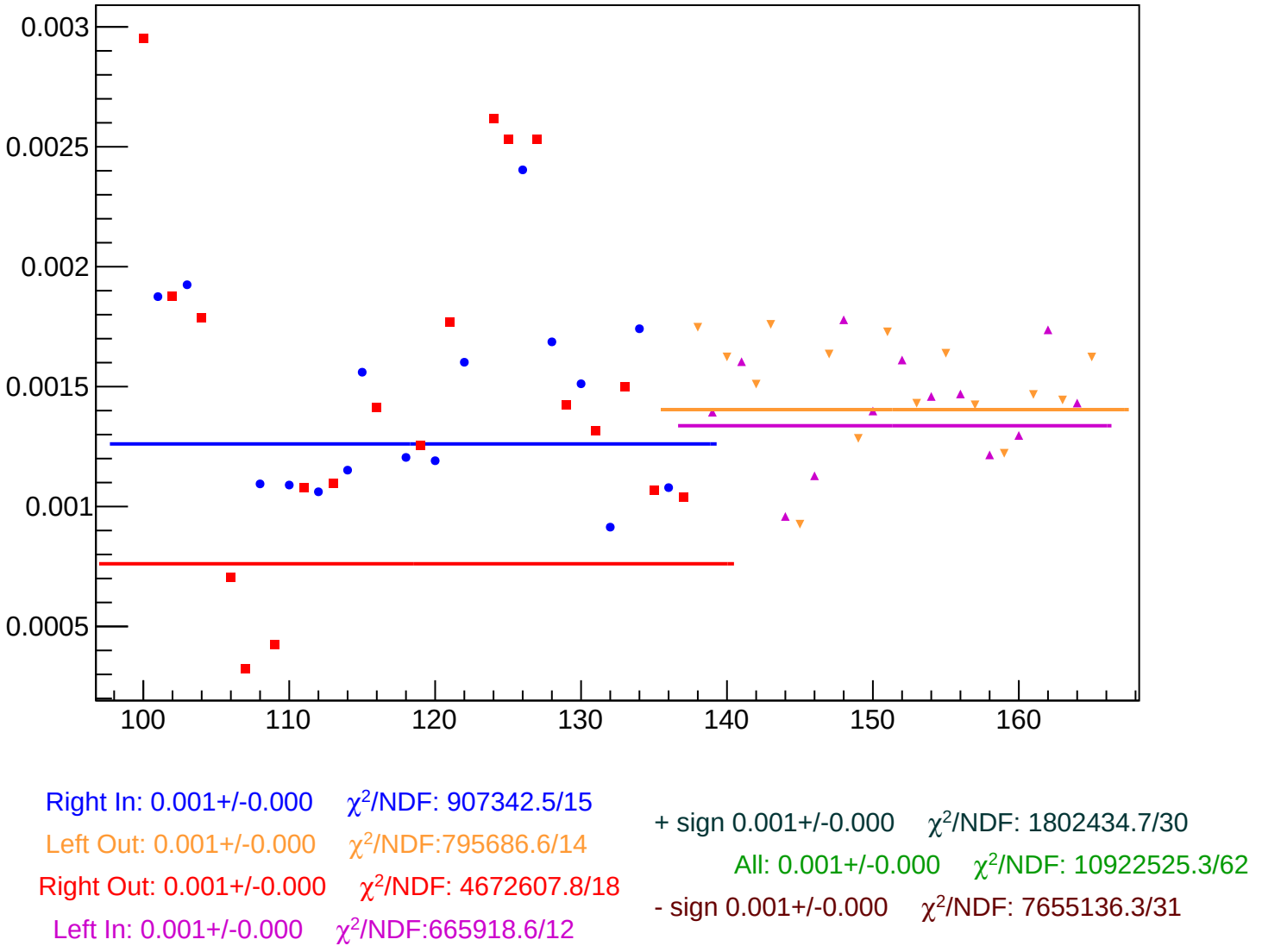
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

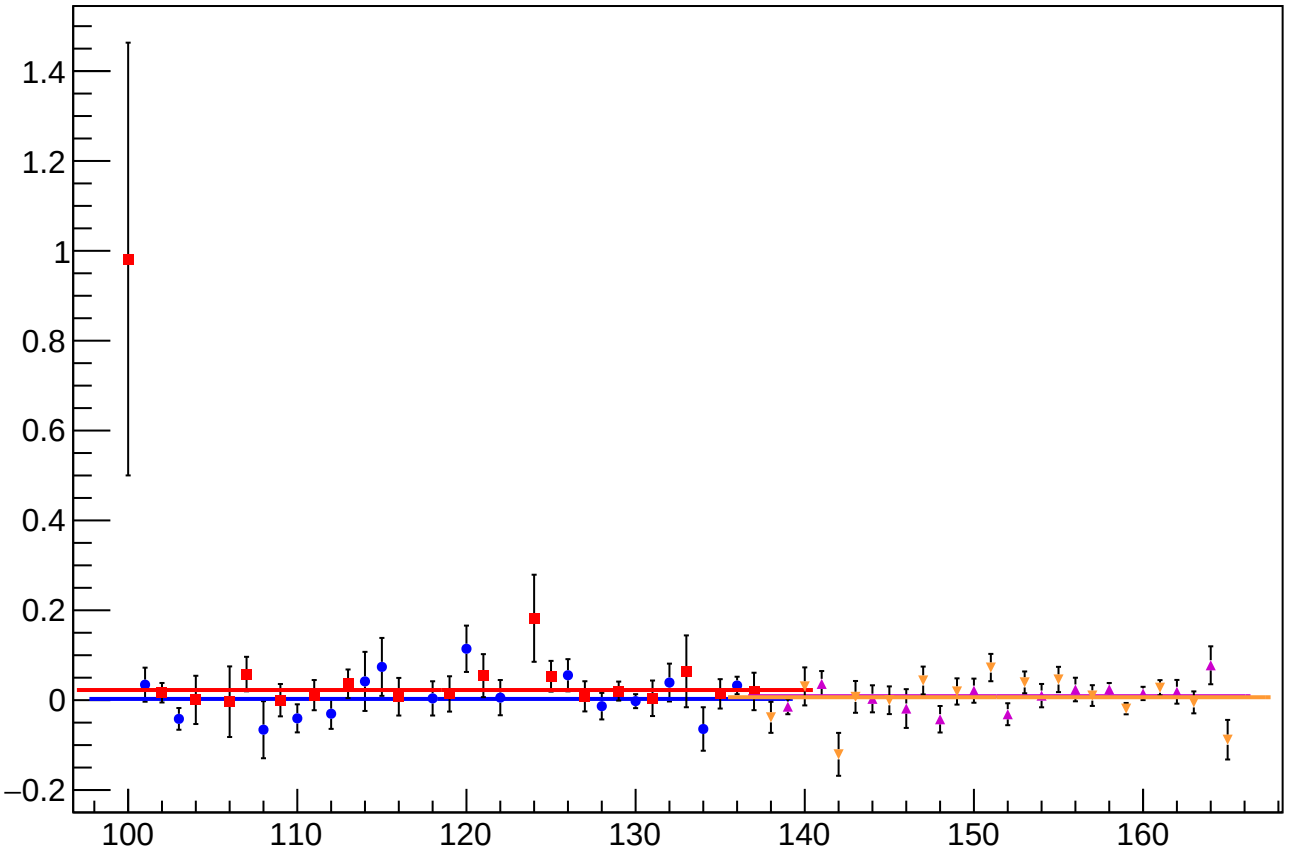
Left In: 0.000+/-0.000 χ^2/NDF:10.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/30

All: 0.000+/-0.000 χ^2/NDF: 88.6/62

- sign 0.000+/-0.000 χ^2/NDF: 27.2/31


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:795686.6/14
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:665918.6/12
+ sign 0.001+/-0.000 χ²/NDF: 1802434.7/30
All: 0.001+/-0.000 χ²/NDF: 10922525.3/62
- sign 0.001+/-0.000 χ²/NDF: 7655136.3/31



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.006 χ^2/NDF:29.8/14

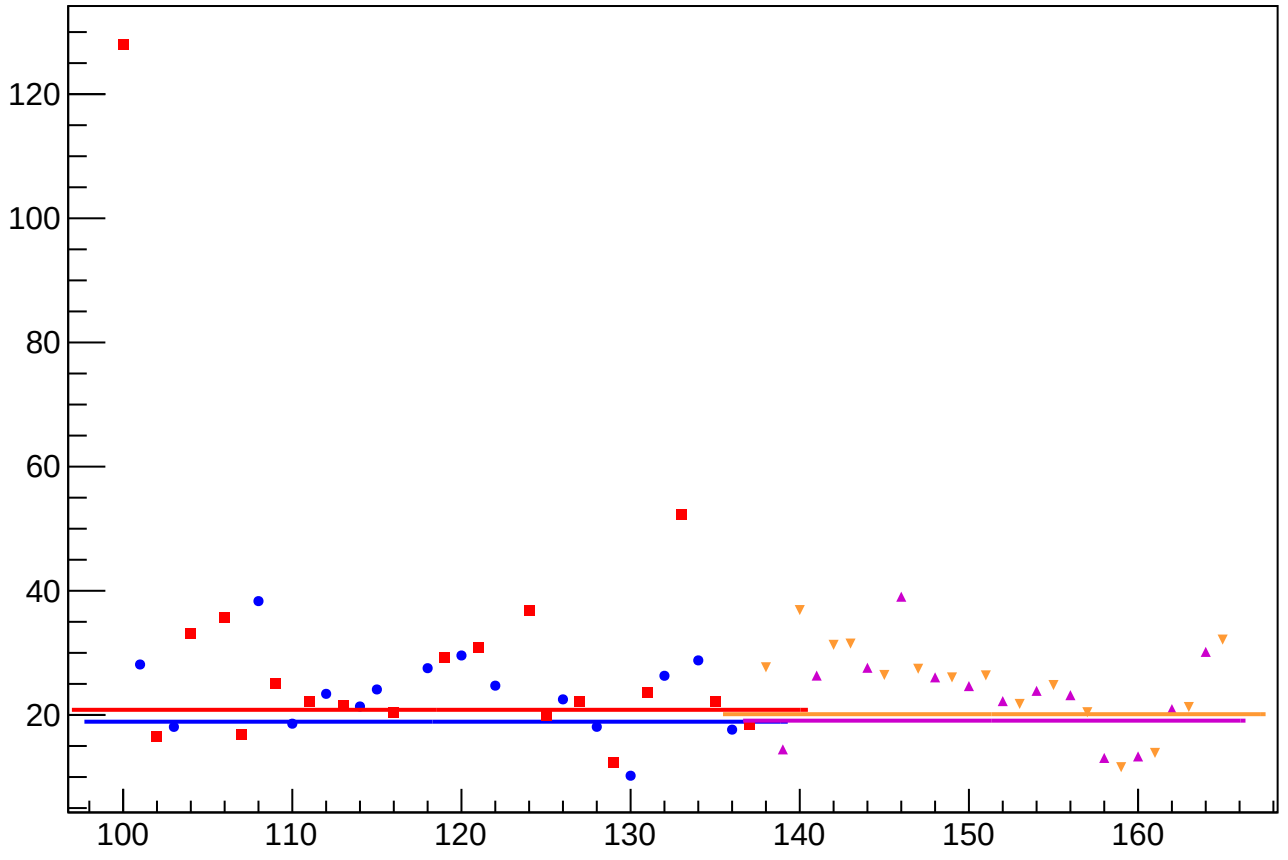
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.009+/-0.006 χ^2/NDF:13.6/12

+ sign 0.005+/-0.005 χ^2/NDF: 51.9/30

All: 0.009+/-0.004 χ^2/NDF: 79.4/62

- sign 0.014+/-0.005 χ^2/NDF: 26.0/31



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.121+/-0.005 χ^2/NDF:2489753.0/14

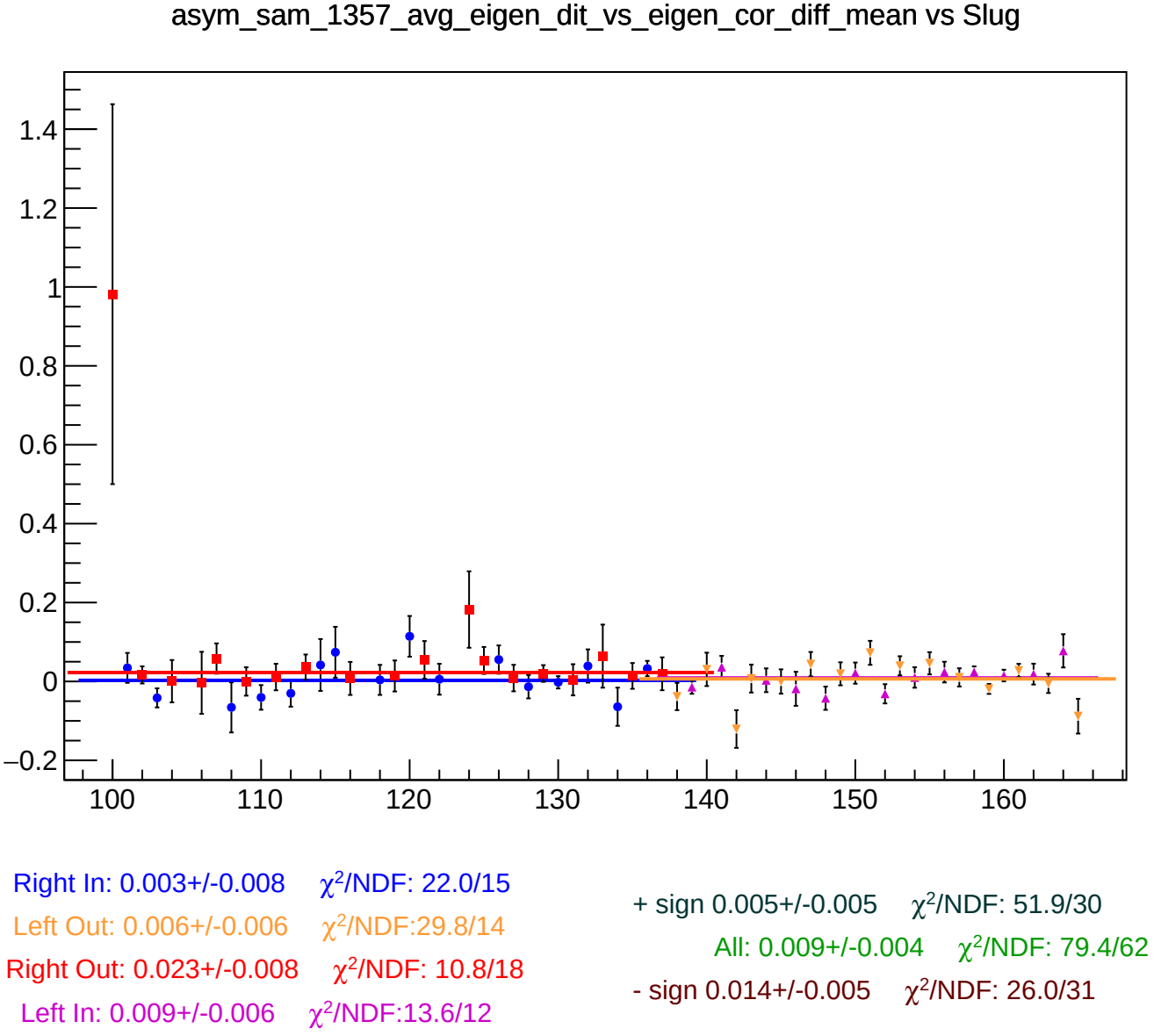
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

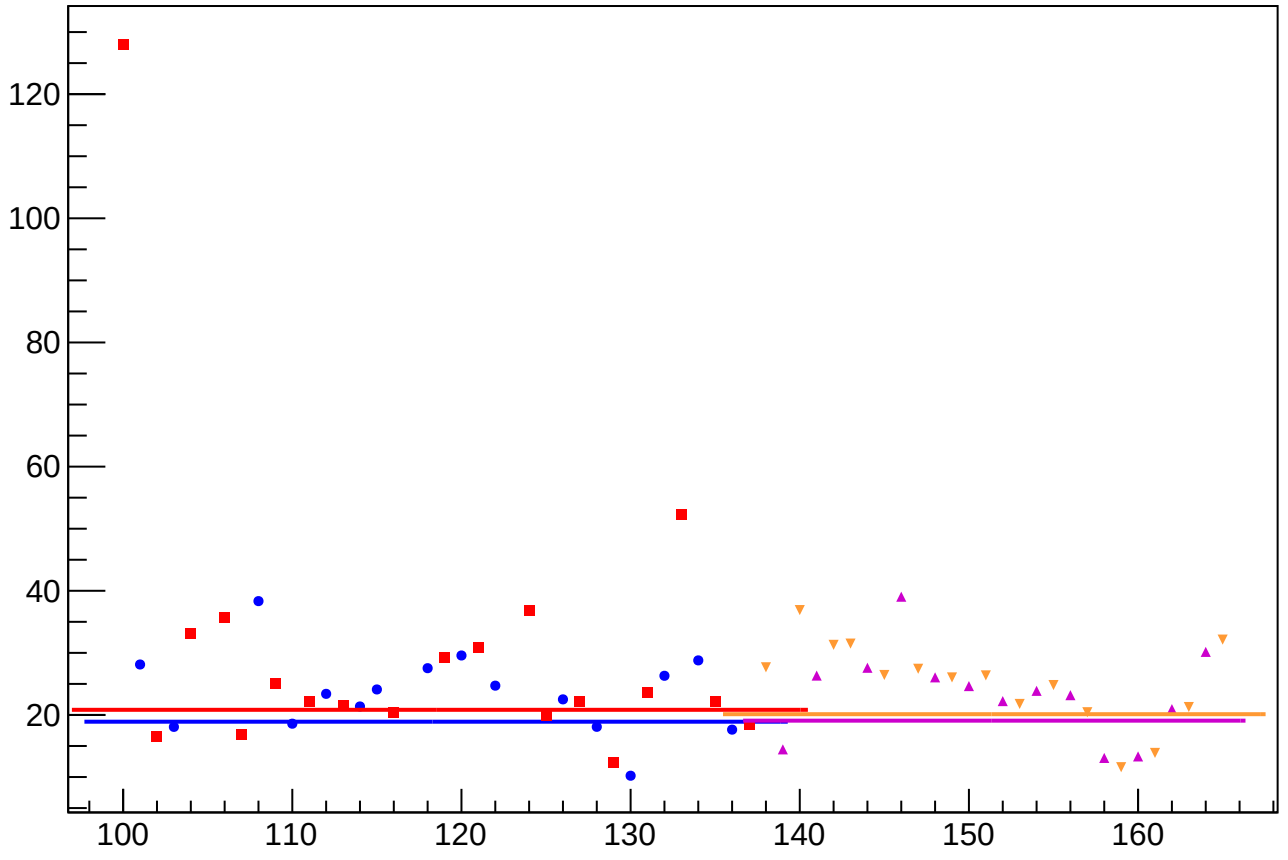
Left In: 19.080+/-0.004 χ^2/NDF:2021834.5/12

\+ sign 19.627+/-0.004 χ^2/NDF: 3908388.9/30

All: 19.667+/-0.003 χ^2/NDF: 7276803.1/62

\- sign 19.707+/-0.004 χ^2/NDF: 3368158.8/31


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
Right In: 0.003+/-0.008 χ²/NDF: 22.0/15
Left Out: 0.006+/-0.006 χ²/NDF:29.8/14
Right Out: 0.023+/-0.008 χ²/NDF: 10.8/18
Left In: 0.009+/-0.006 χ²/NDF:13.6/12
+ sign 0.005+/-0.005 χ²/NDF: 51.9/30
All: 0.009+/-0.004 χ²/NDF: 79.4/62
- sign 0.014+/-0.005 χ²/NDF: 26.0/31



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.121+/-0.005 χ^2/NDF:2489753.0/14

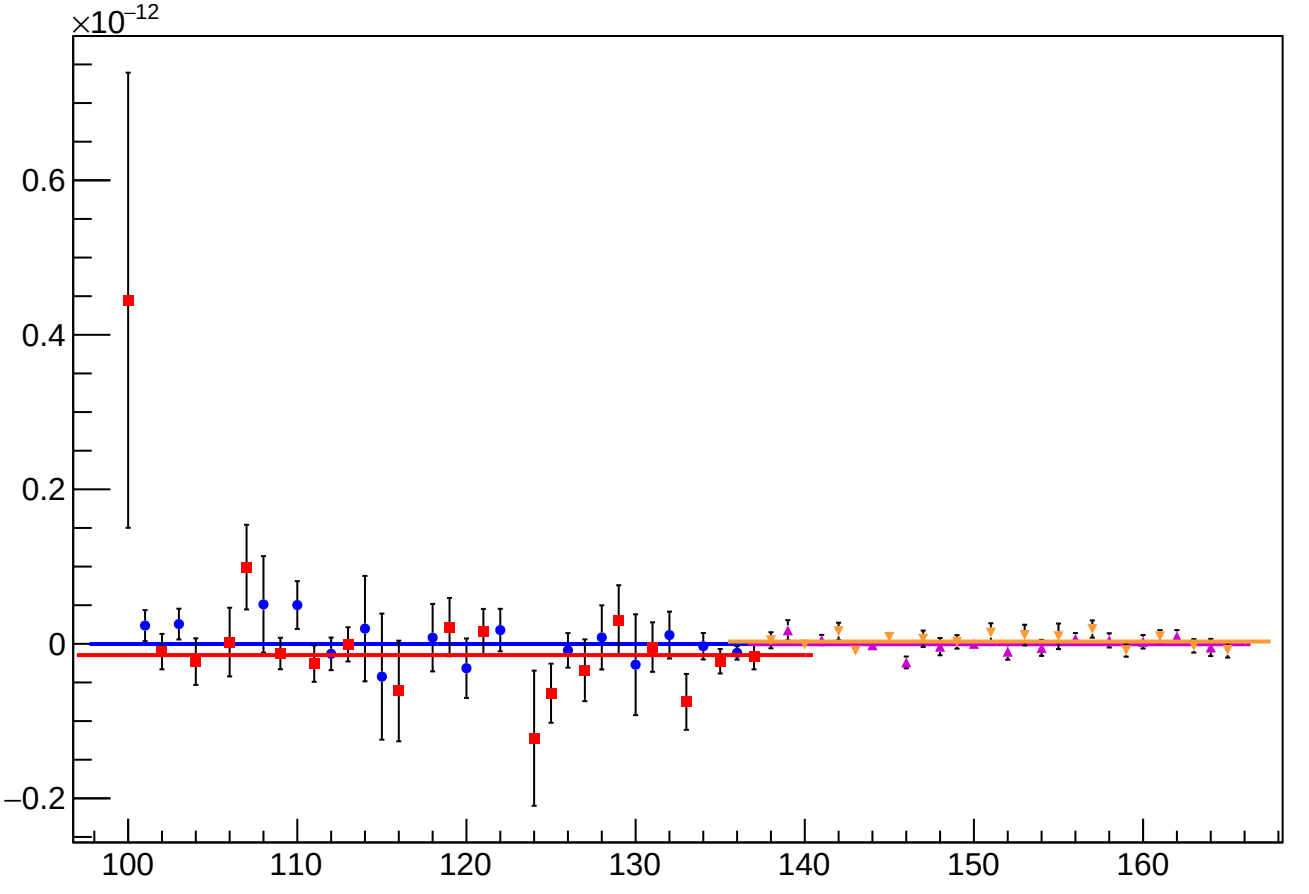
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.080+/-0.004 χ^2/NDF:2021834.5/12

+ sign 19.627+/-0.004 χ^2/NDF: 3908388.9/30

All: 19.667+/-0.003 χ^2/NDF: 7276803.1/62

- sign 19.707+/-0.004 χ^2/NDF: 3368158.8/31



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/14

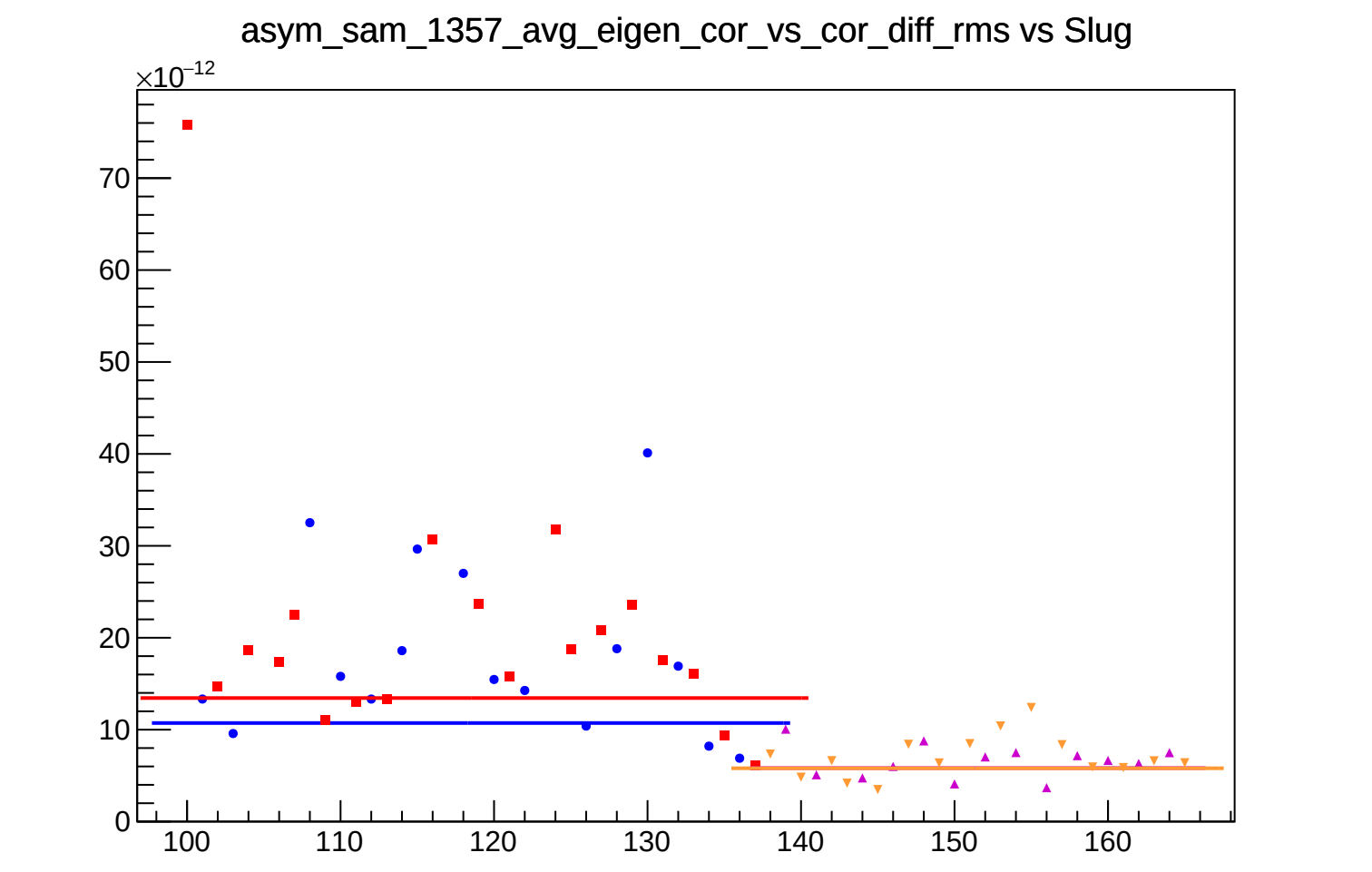
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/30

All: 0.000+/-0.000 χ^2/NDF: 65.9/62

- sign -0.000+/-0.000 χ^2/NDF: 38.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1581967.2/14

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

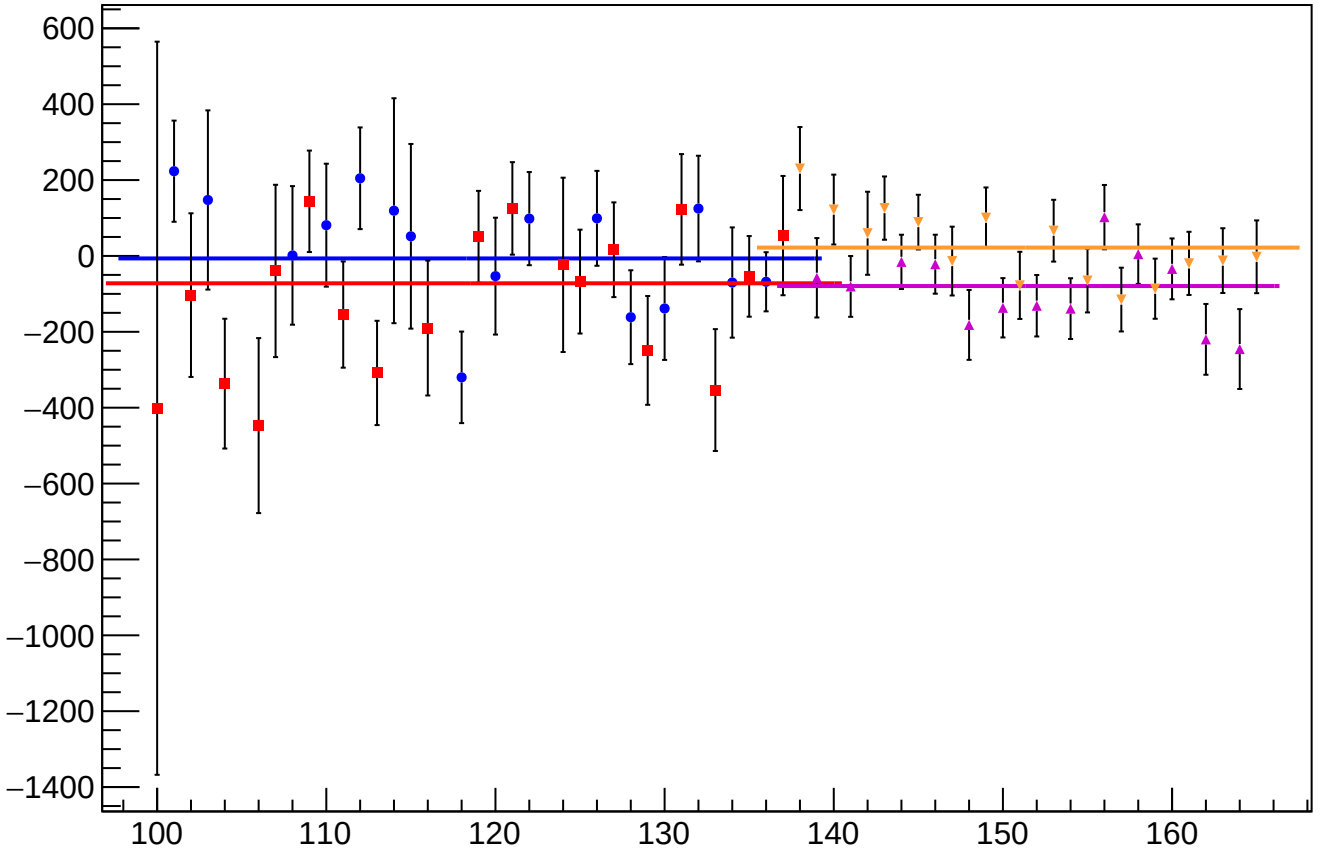
Left In: 0.000+/-0.000 χ^2/NDF:942088.7/12

+ sign 0.000+/-0.000 χ^2/NDF: 4758092.2/30

All: 0.000+/-0.000 χ^2/NDF: 9532146.6/62

- sign 0.000+/-0.000 χ^2/NDF: 4764550.4/31

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 21.970+/-22.300 χ^2/NDF:16.1/14

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

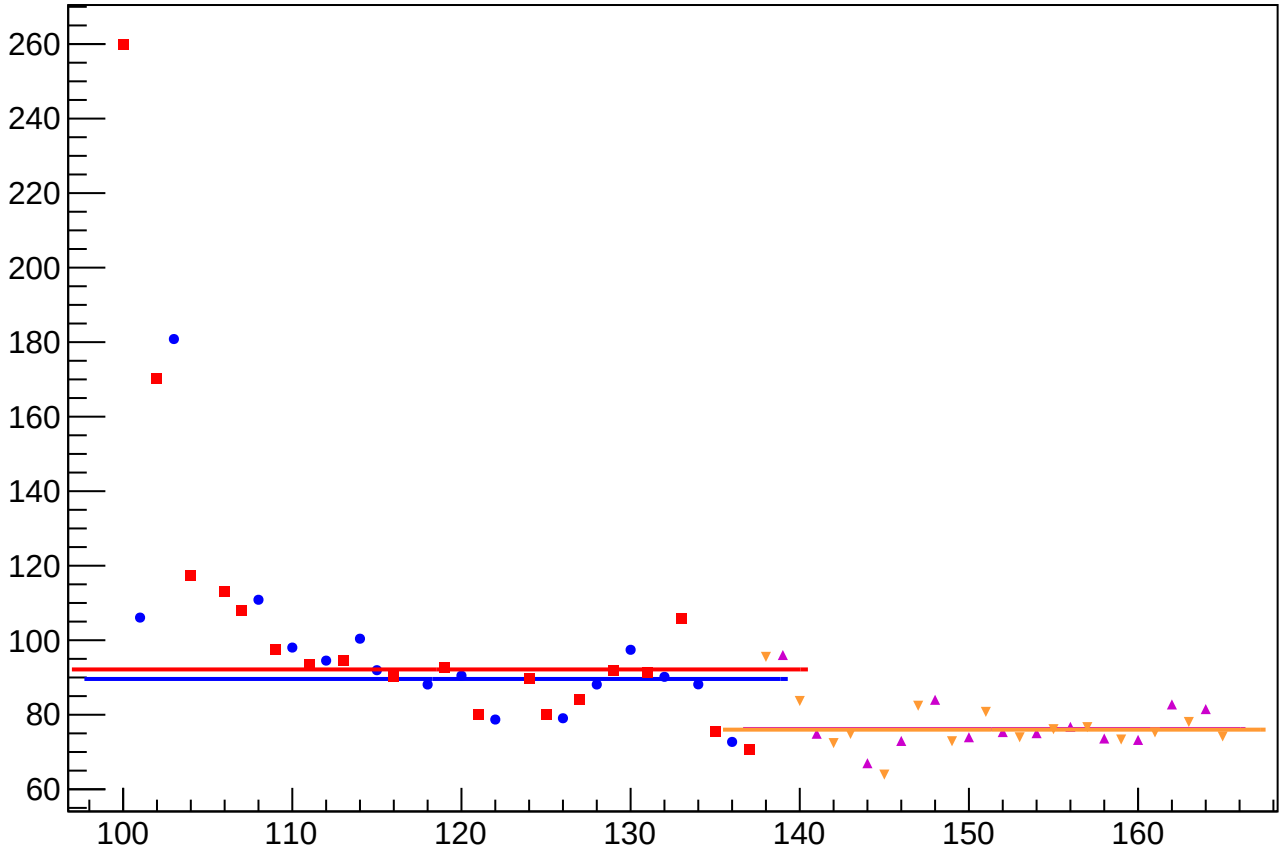
Left In: -79.326+/-23.187 χ^2/NDF:14.9/12

+ sign 13.489+/-18.694 χ^2/NDF: 35.5/30

All: -30.346+/-13.431 χ^2/NDF: 84.6/62

- sign -77.119+/-19.310 χ^2/NDF: 37.8/31

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.002+/-0.016 χ^2/NDF:160791.5/14

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

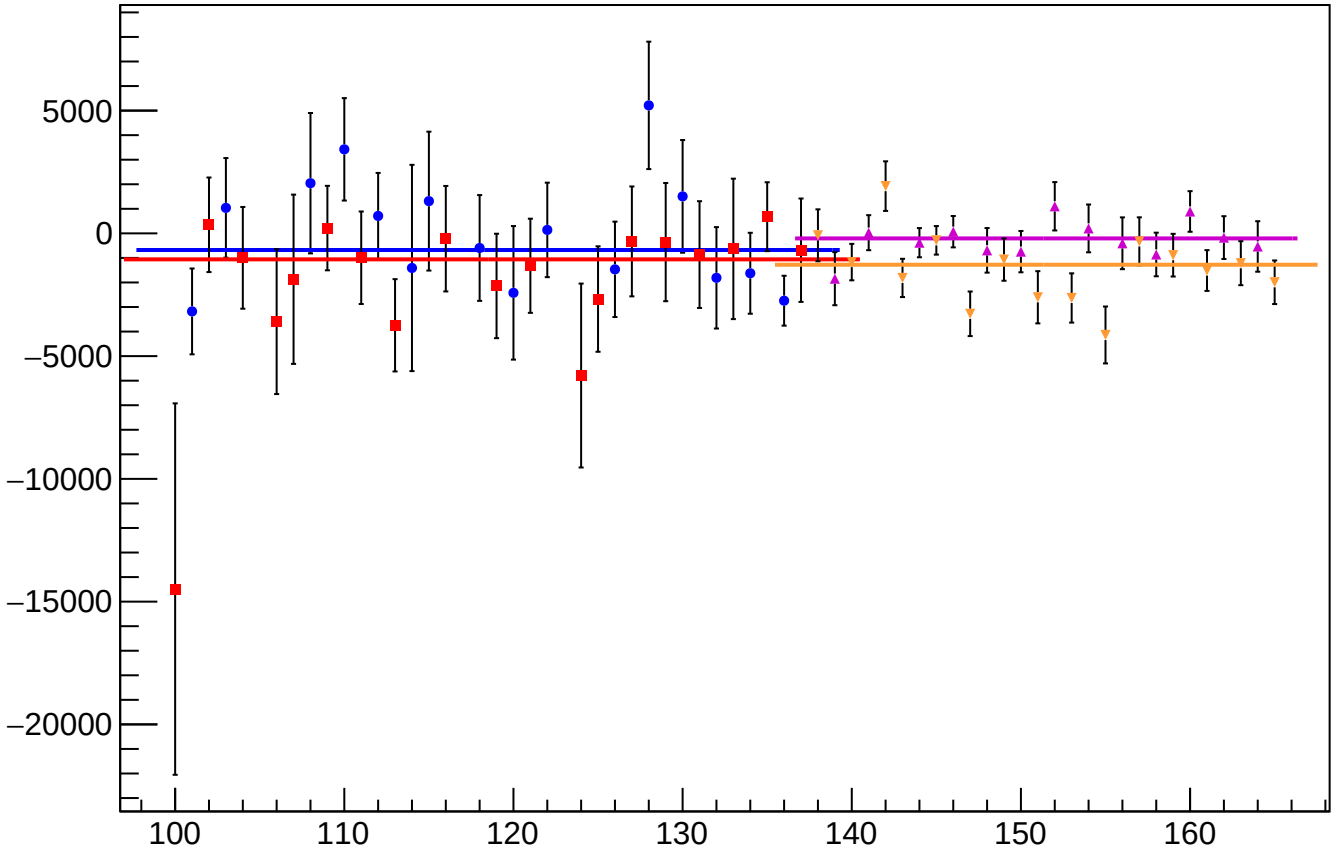
Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

+ sign 80.045+/-0.013 χ^2/NDF: 880374.7/30

All: 80.544+/-0.009 χ^2/NDF: 1862156.7/62

- sign 81.077+/-0.014 χ^2/NDF: 978834.8/31

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1277.644+/-224.724 χ^2/NDF:31.0/14

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

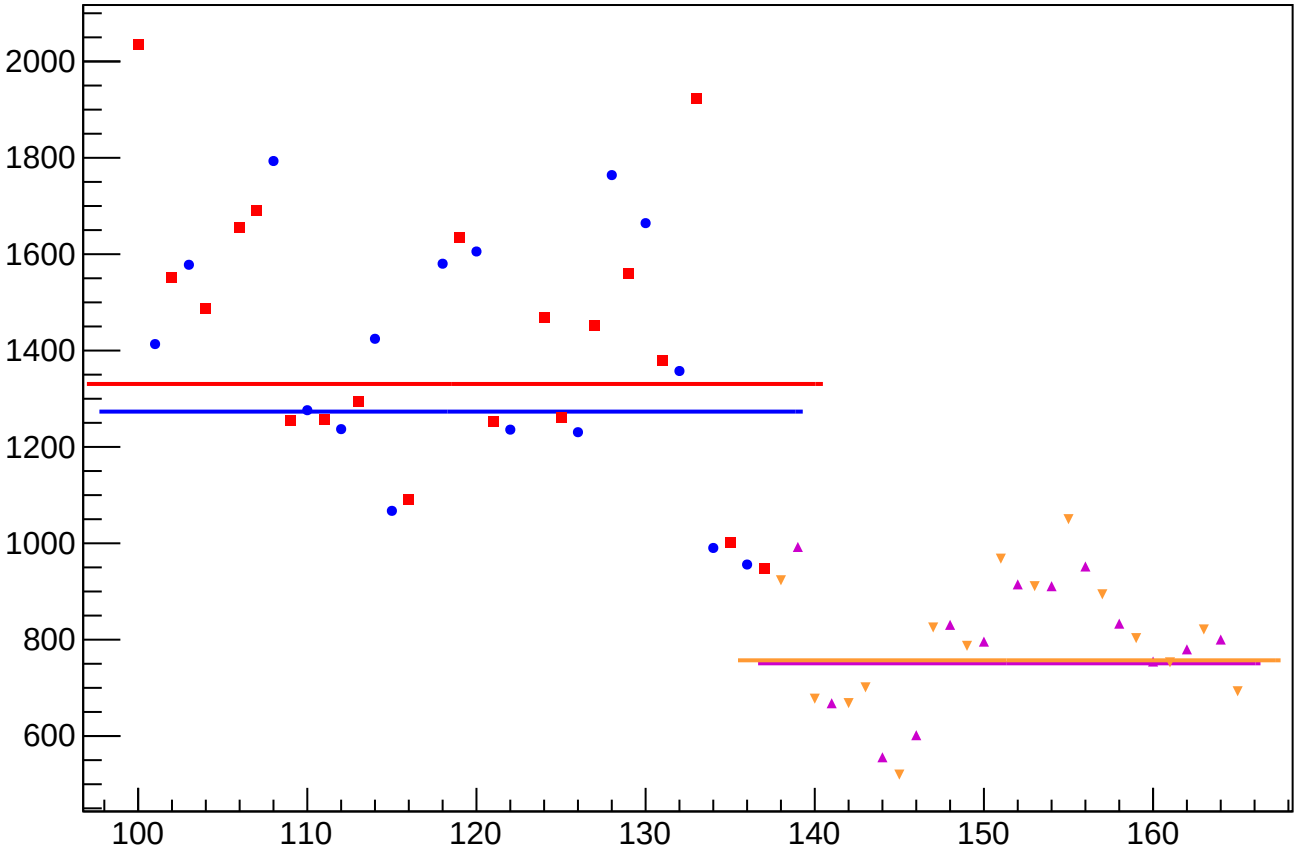
Left In: -205.985+/-231.231 χ^2/NDF:7.8/12

+ sign -1172.081+/-204.010 χ^2/NDF: 52.5/30

All: -776.074+/-146.194 χ^2/NDF: 81.9/62

- sign -358.057+/-209.602 χ^2/NDF: 21.6/31

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 757.158+/-0.159 χ^2/NDF:763015.3/14

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

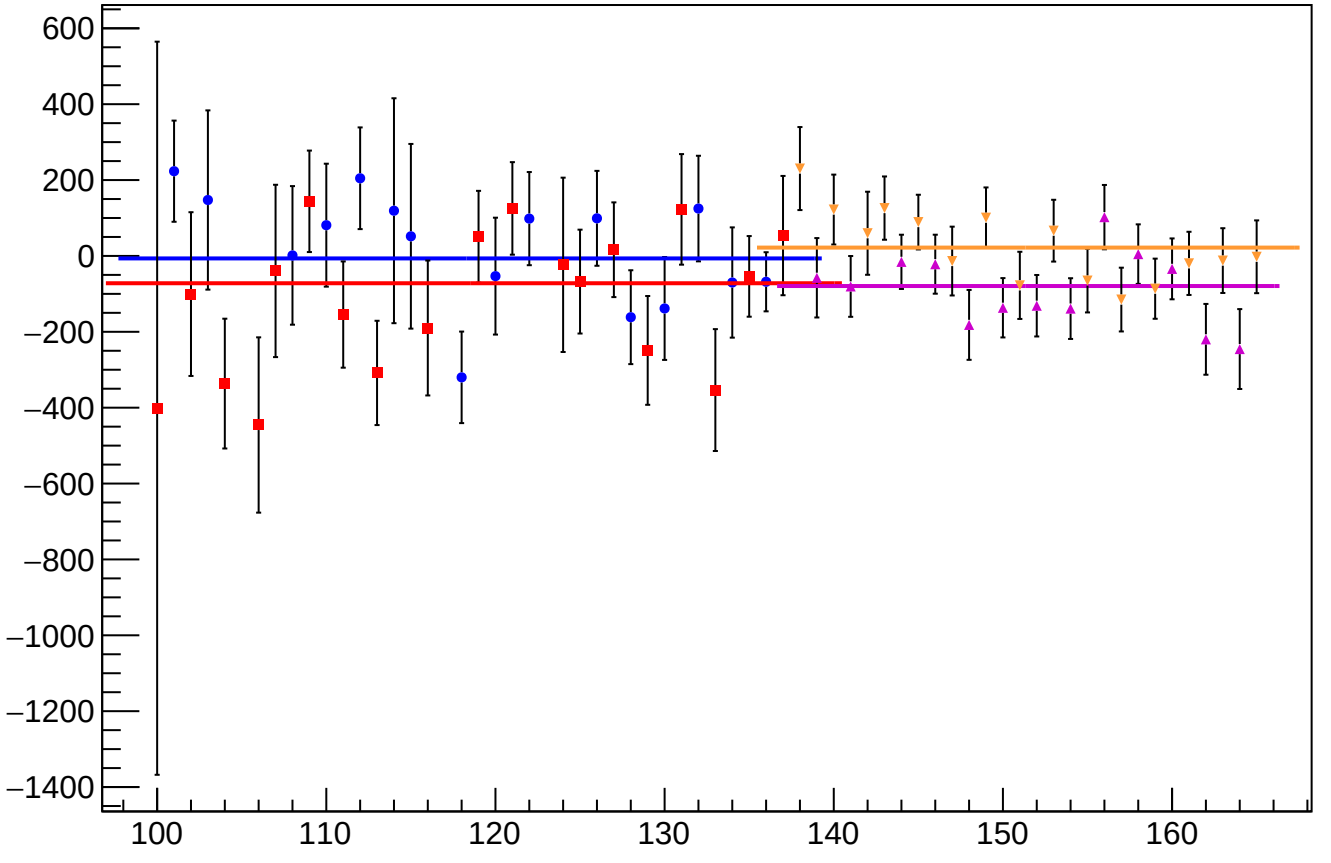
Left In: 750.938+/-0.164 χ^2/NDF:678365.2/12

+ sign 847.932+/-0.144 χ^2/NDF: 3216114.7/30

All: 851.040+/-0.103 χ^2/NDF: 6608098.0/62

- sign 854.322+/-0.148 χ^2/NDF: 3391028.9/31

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 21.974+/-22.300 χ^2/NDF:16.1/14

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

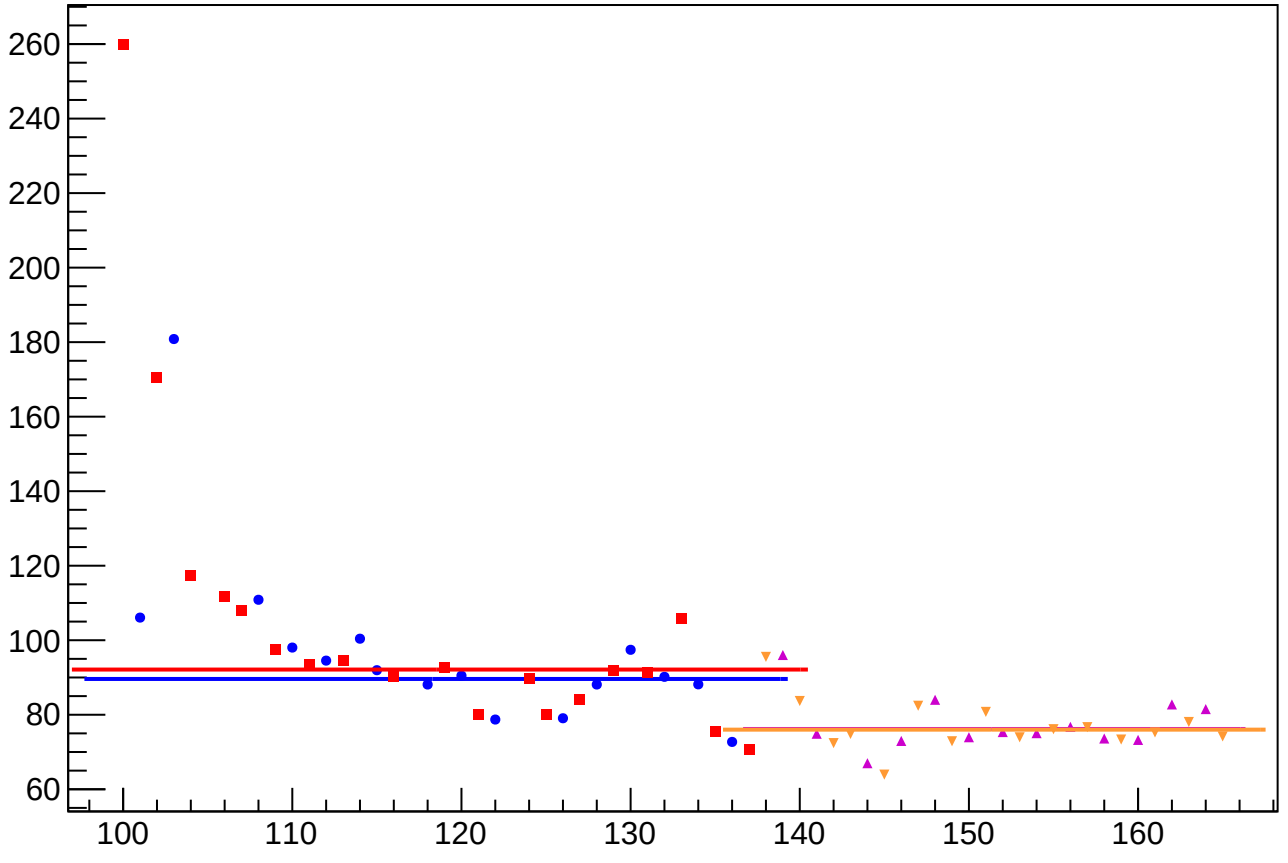
Left In: -79.326+/-23.187 χ^2/NDF:14.9/12

+ sign 13.489+/-18.694 χ^2/NDF: 35.5/30

All: -30.324+/-13.431 χ^2/NDF: 84.6/62

- sign -77.076+/-19.311 χ^2/NDF: 37.7/31

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.002+/-0.016 χ^2/NDF:160791.5/14

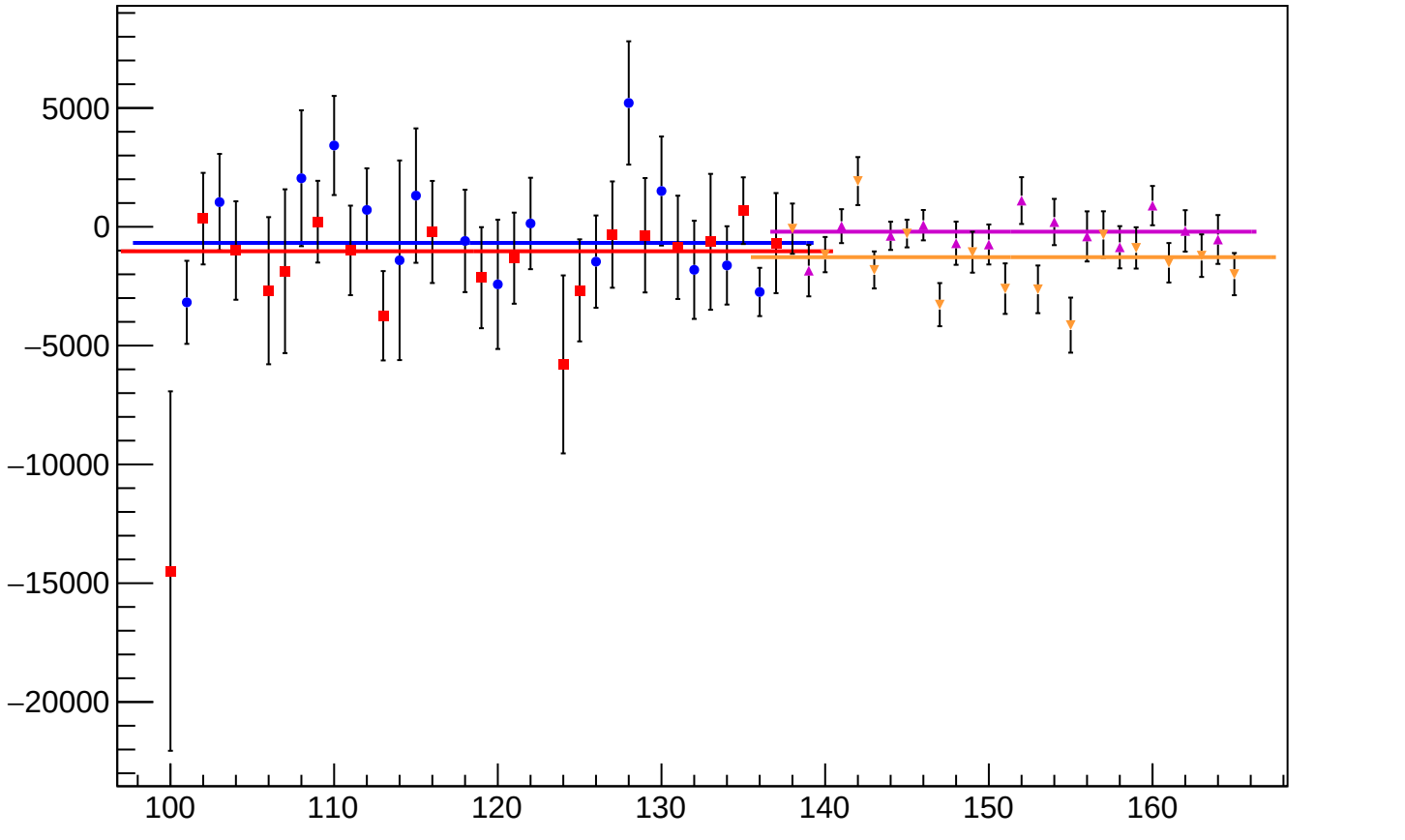
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

+ sign 80.045+/-0.013 χ^2/NDF: 880378.3/30

All: 80.539+/-0.009 χ^2/NDF: 1859157.4/62

- sign 81.067+/-0.014 χ^2/NDF: 975889.6/31



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1277.639+/-224.724 χ^2/NDF:31.0/14

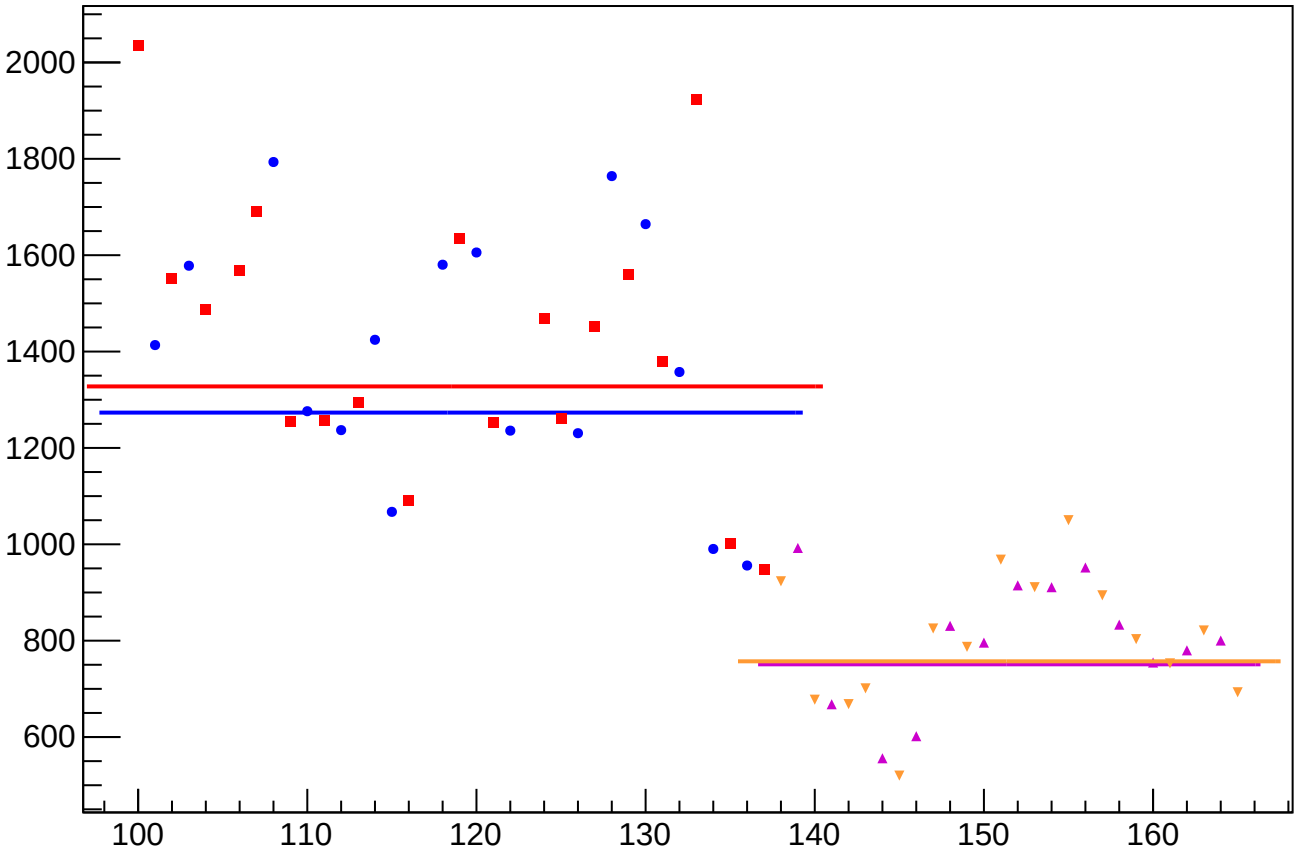
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -205.988+/-231.231 χ^2/NDF:7.8/12

+ sign -1172.071+/-204.010 χ^2/NDF: 52.5/30

All: -773.462+/-146.211 χ^2/NDF: 81.4/62

- sign -352.499+/-209.652 χ^2/NDF: 21.0/31



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 757.158+/-0.159 χ^2/NDF:763018.2/14

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

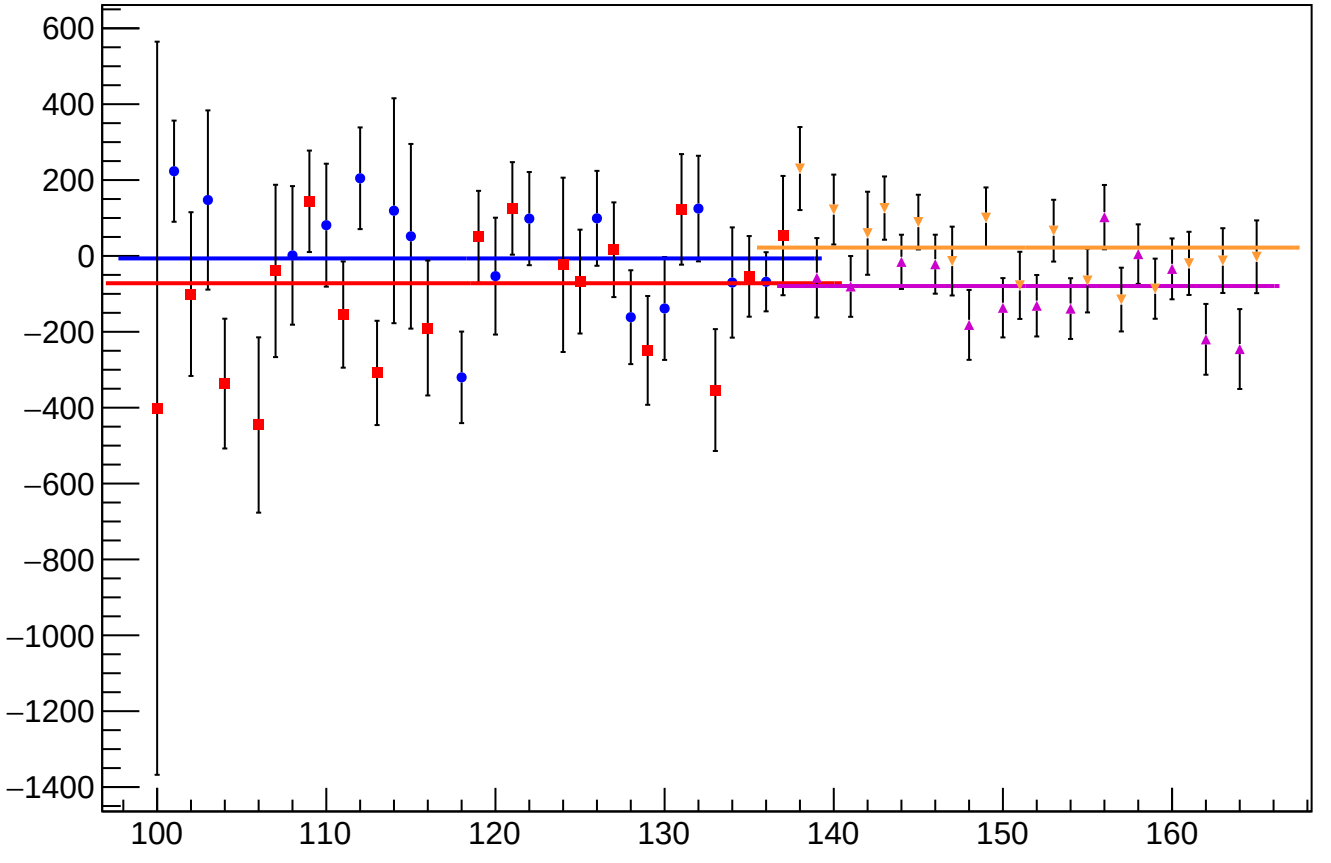
Left In: 750.938+/-0.164 χ^2/NDF:678362.9/12

+ sign 847.932+/-0.144 χ^2/NDF: 3216159.7/30

All: 850.667+/-0.103 χ^2/NDF: 6567489.6/62

- sign 853.556+/-0.148 χ^2/NDF: 3350590.7/31

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 21.974+/-22.300 χ^2/NDF:16.1/14

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

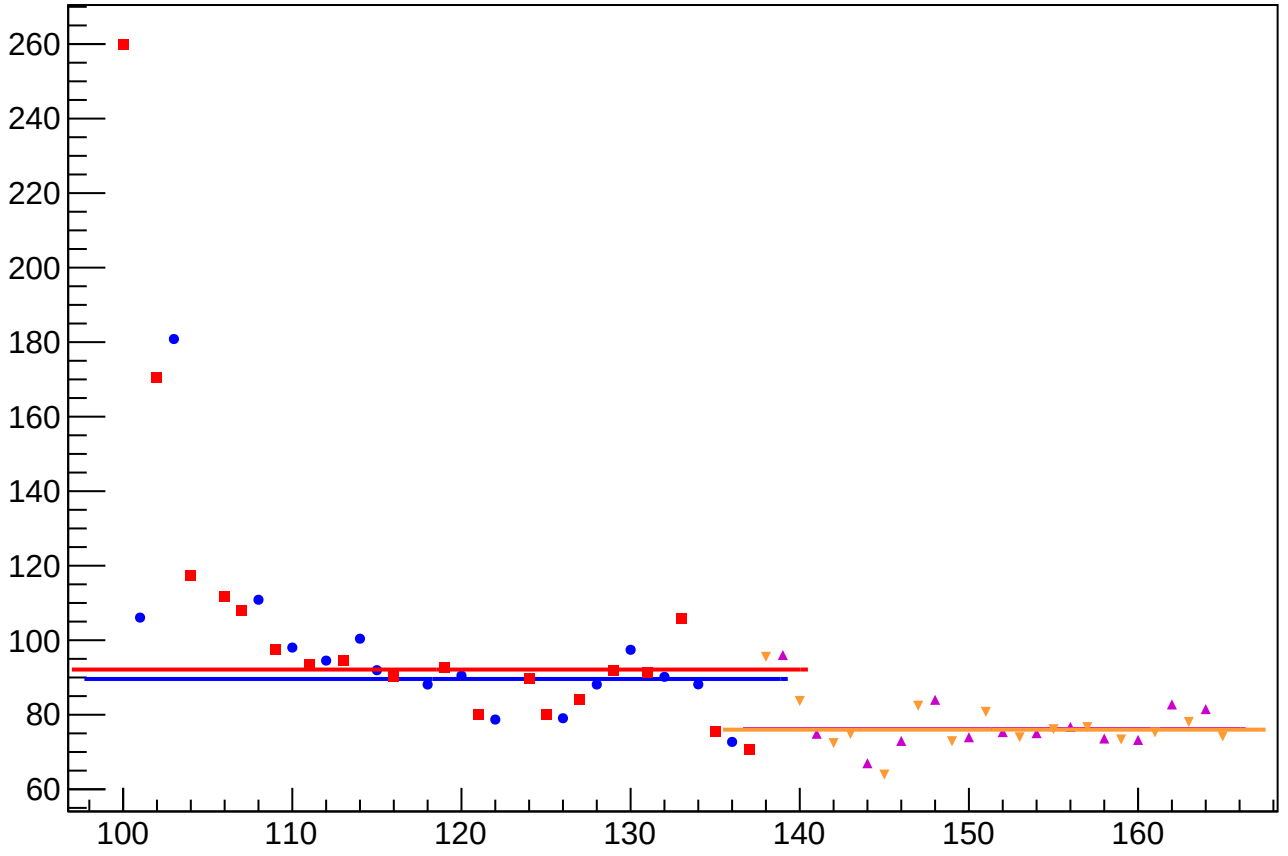
Left In: -79.326+/-23.187 χ^2/NDF:14.9/12

+ sign 13.489+/-18.694 χ^2/NDF: 35.5/30

All: -30.324+/-13.431 χ^2/NDF: 84.6/62

- sign -77.076+/-19.311 χ^2/NDF: 37.7/31

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.002+/-0.016 χ^2/NDF:160791.5/14

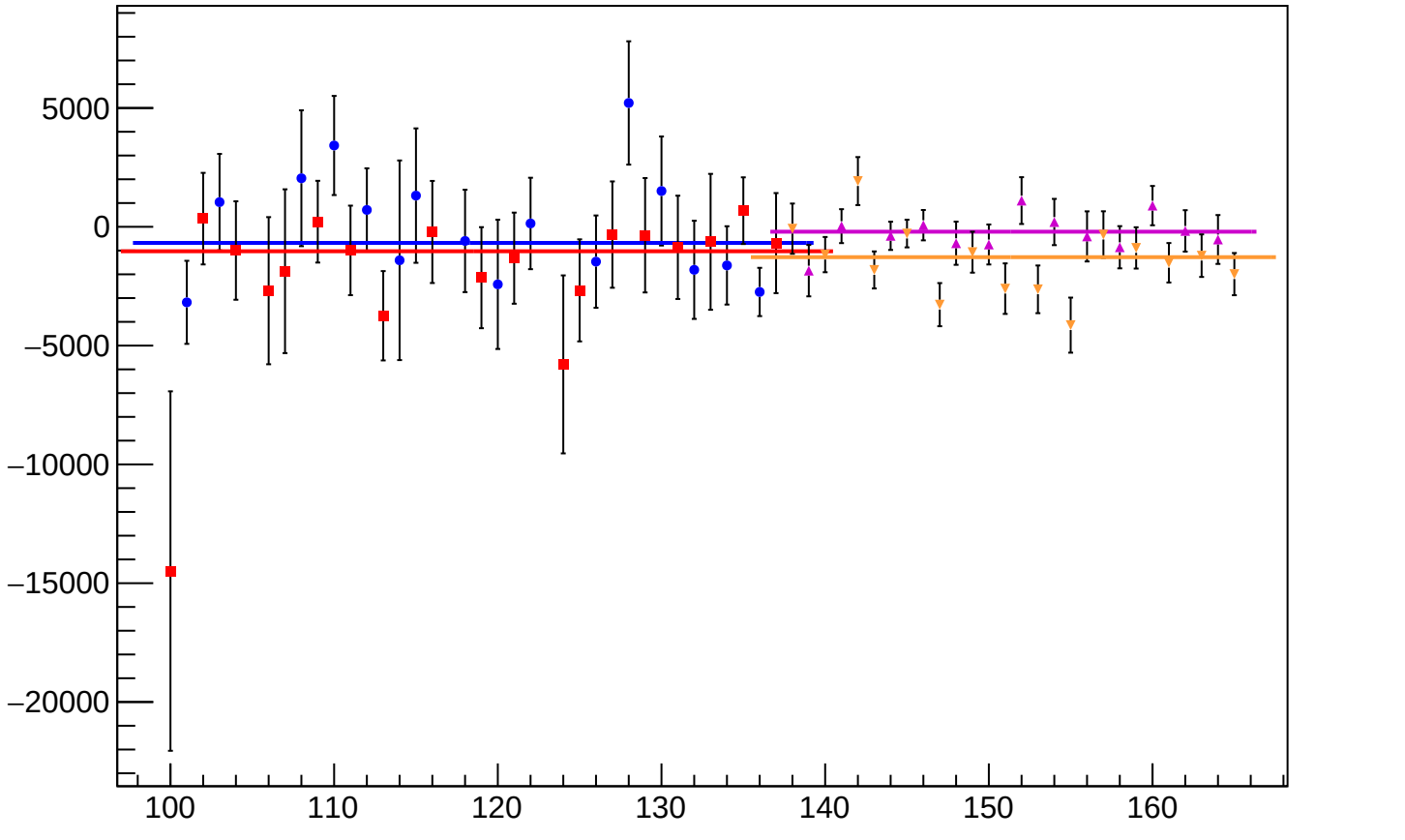
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

+ sign 80.045+/-0.013 χ^2/NDF: 880378.3/30

All: 80.539+/-0.009 χ^2/NDF: 1859157.4/62

- sign 81.067+/-0.014 χ^2/NDF: 975889.6/31



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1277.639+/-224.724 χ^2/NDF:31.0/14

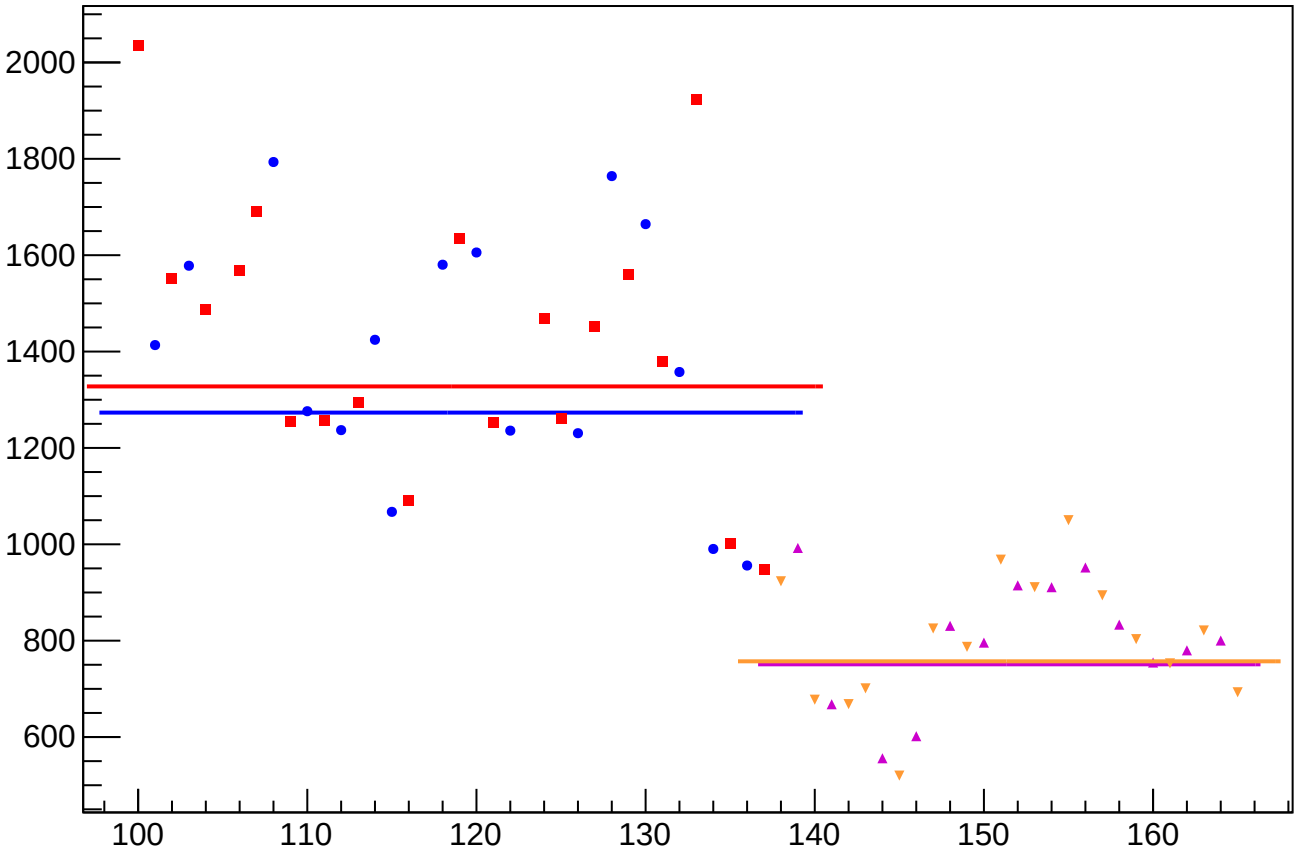
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -205.988+/-231.231 χ^2/NDF:7.8/12

+ sign -1172.071+/-204.010 χ^2/NDF: 52.5/30

All: -773.462+/-146.211 χ^2/NDF: 81.4/62

- sign -352.499+/-209.652 χ^2/NDF: 21.0/31



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 757.158+/-0.159 χ^2/NDF:763018.2/14

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

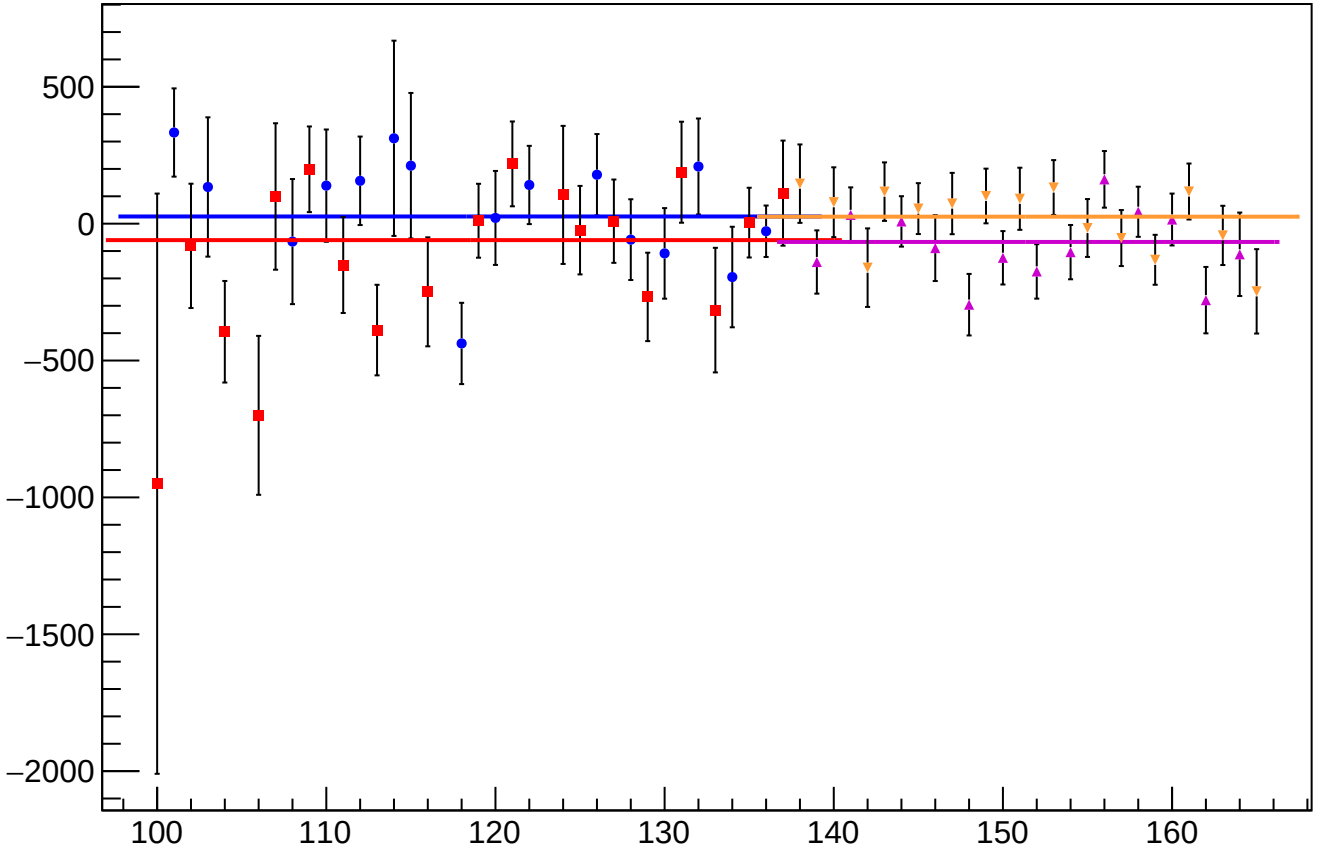
Left In: 750.938+/-0.164 χ^2/NDF:678362.9/12

+ sign 847.932+/-0.144 χ^2/NDF: 3216159.7/30

All: 850.667+/-0.103 χ^2/NDF: 6567489.6/62

- sign 853.556+/-0.148 χ^2/NDF: 3350590.7/31

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 25.503+/-28.312 χ^2/NDF:13.7/14

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

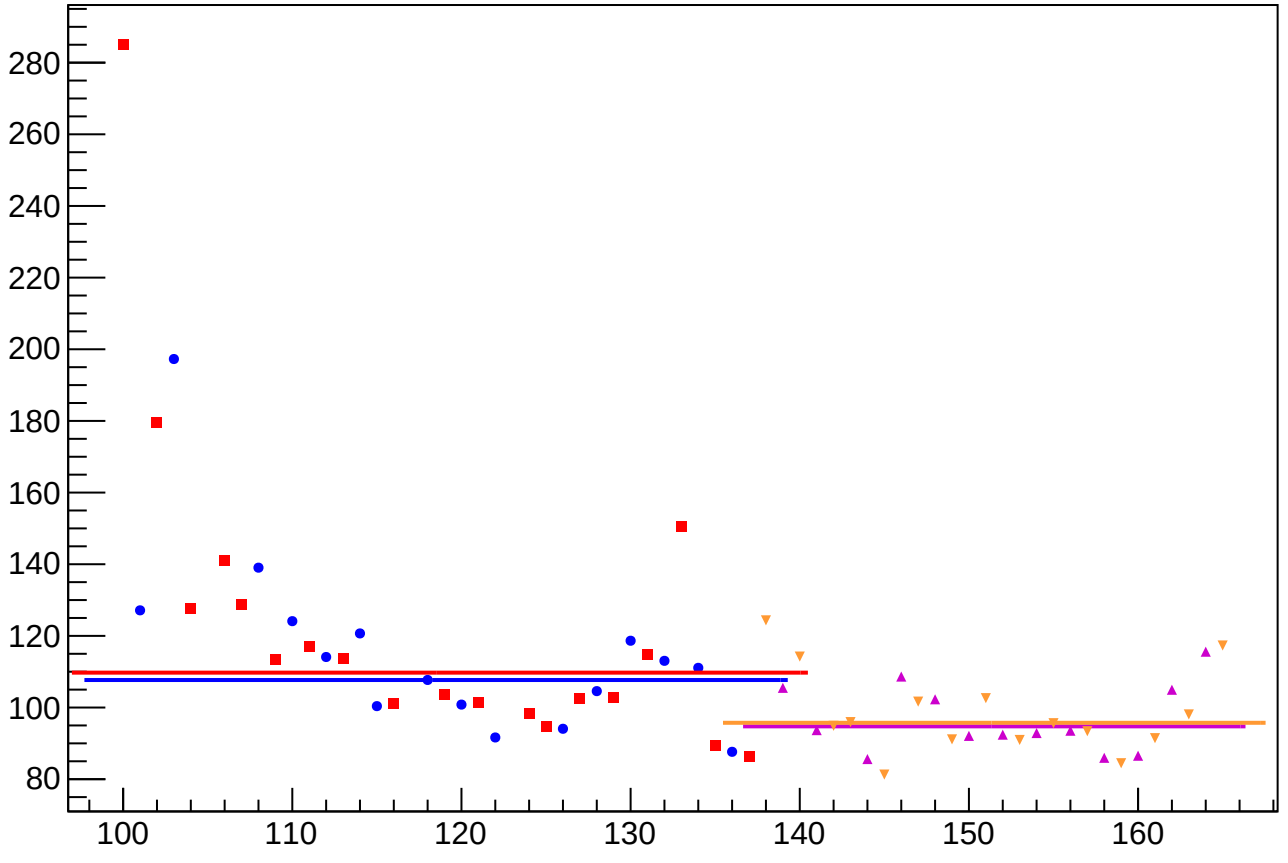
Left In: -66.801+/-29.073 χ^2/NDF:18.1/12

+ sign 25.743+/-23.337 χ^2/NDF: 35.0/30

All: -18.512+/-16.669 χ^2/NDF: 87.5/62

- sign -64.604+/-23.817 χ^2/NDF: 45.2/31

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 95.744+/-0.020 χ^2/NDF:267163.9/14

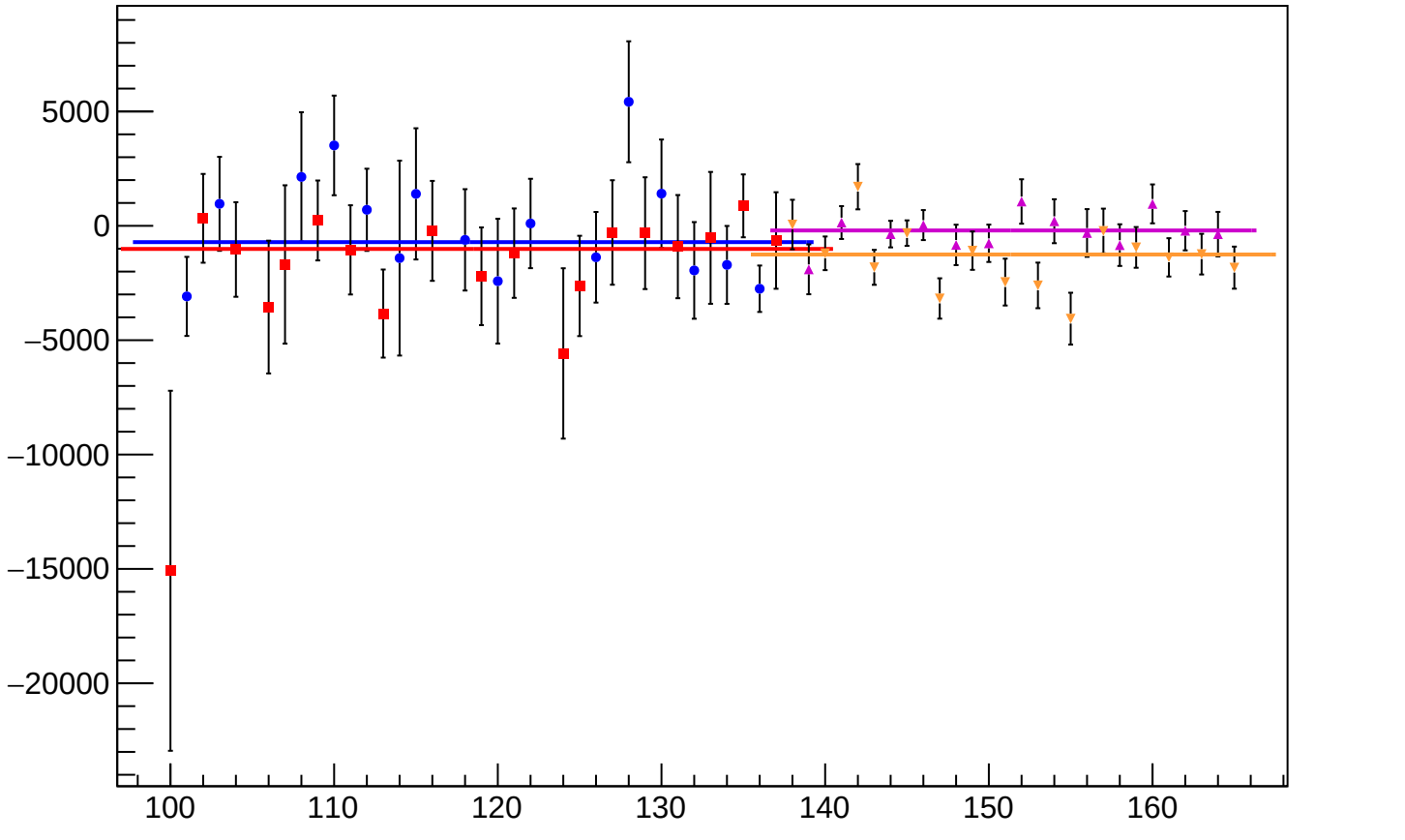
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.746+/-0.021 χ^2/NDF:161316.0/12

+ sign 99.570+/-0.017 χ^2/NDF: 864227.0/30

All: 99.623+/-0.012 χ^2/NDF: 1692304.6/62

- sign 99.677+/-0.017 χ^2/NDF: 828056.9/31



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1253.467+/-222.025 χ^2/NDF:29.6/14

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

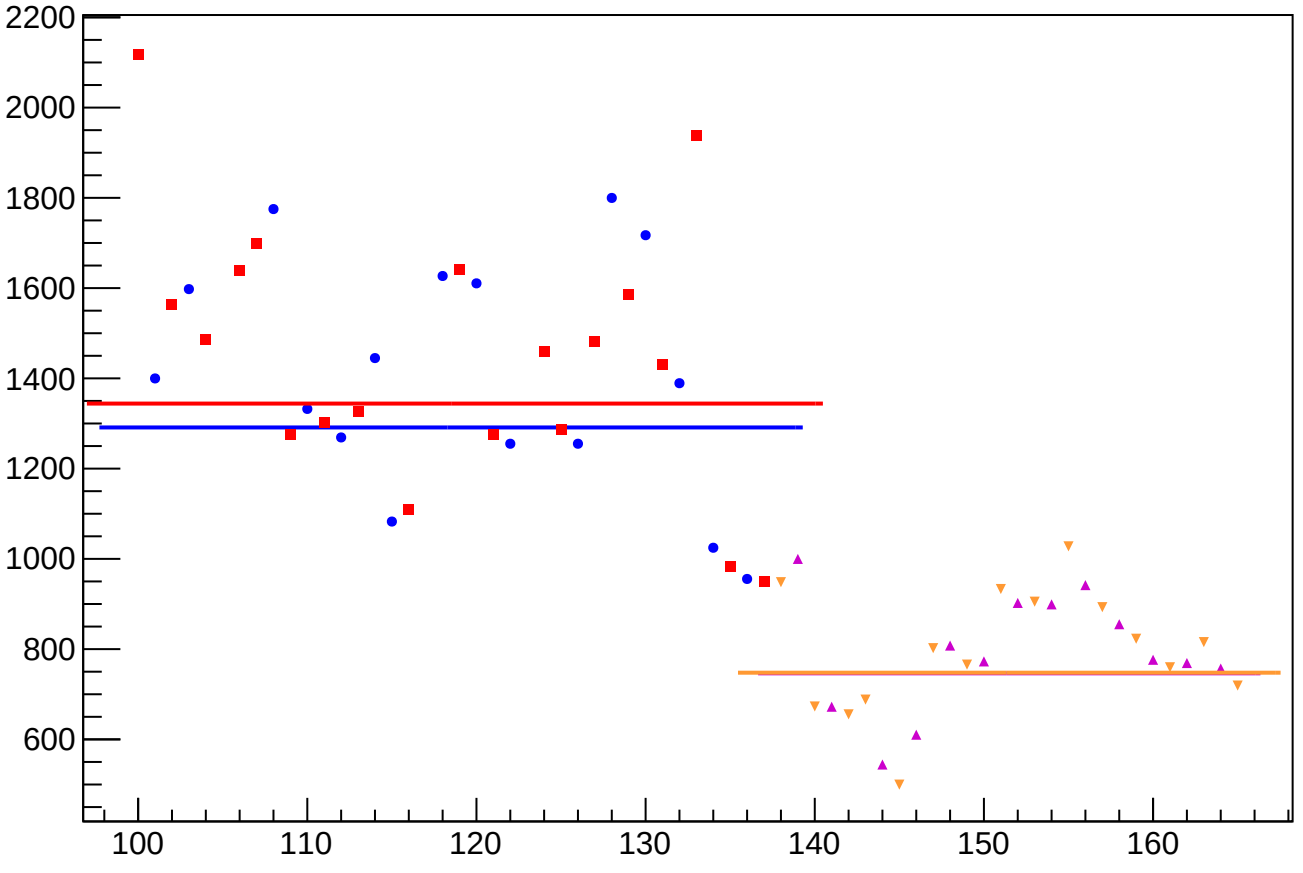
Left In: -202.974+/-229.929 χ^2/NDF:8.1/12

+ sign -1162.392+/-202.460 χ^2/NDF: 50.7/30

All: -765.865+/-145.418 χ^2/NDF: 80.6/62

- sign -343.305+/-209.000 χ^2/NDF: 22.0/31

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 747.783+/-0.157 χ^2/NDF:834018.5/14

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

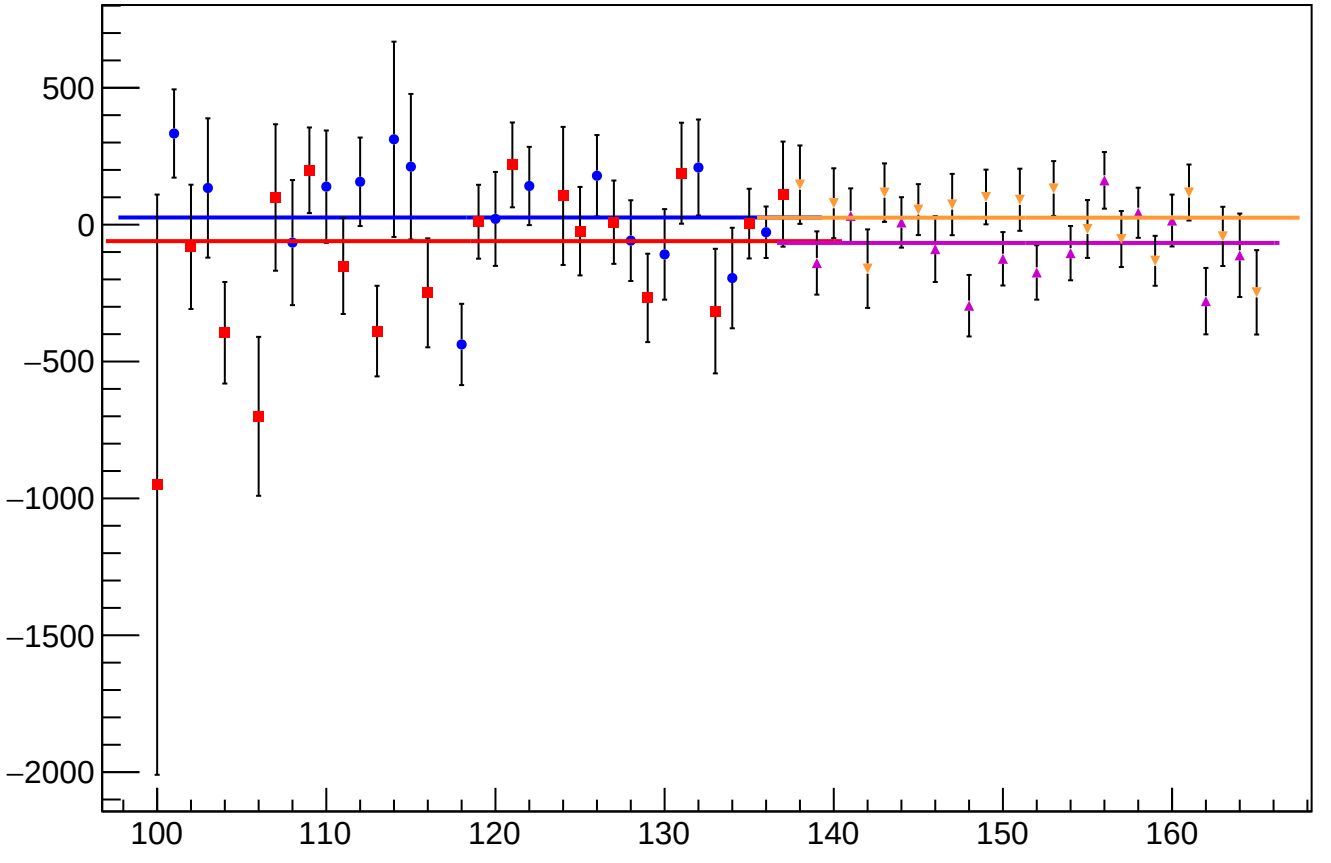
Left In: 746.360+/-0.163 χ^2/NDF:674434.7/12

+ sign 839.340+/-0.143 χ^2/NDF: 3463600.1/30

All: 844.612+/-0.103 χ^2/NDF: 6980671.9/62

- sign 850.231+/-0.148 χ^2/NDF: 3514269.9/31

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 25.505+/-28.312 χ^2/NDF:13.7/14

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

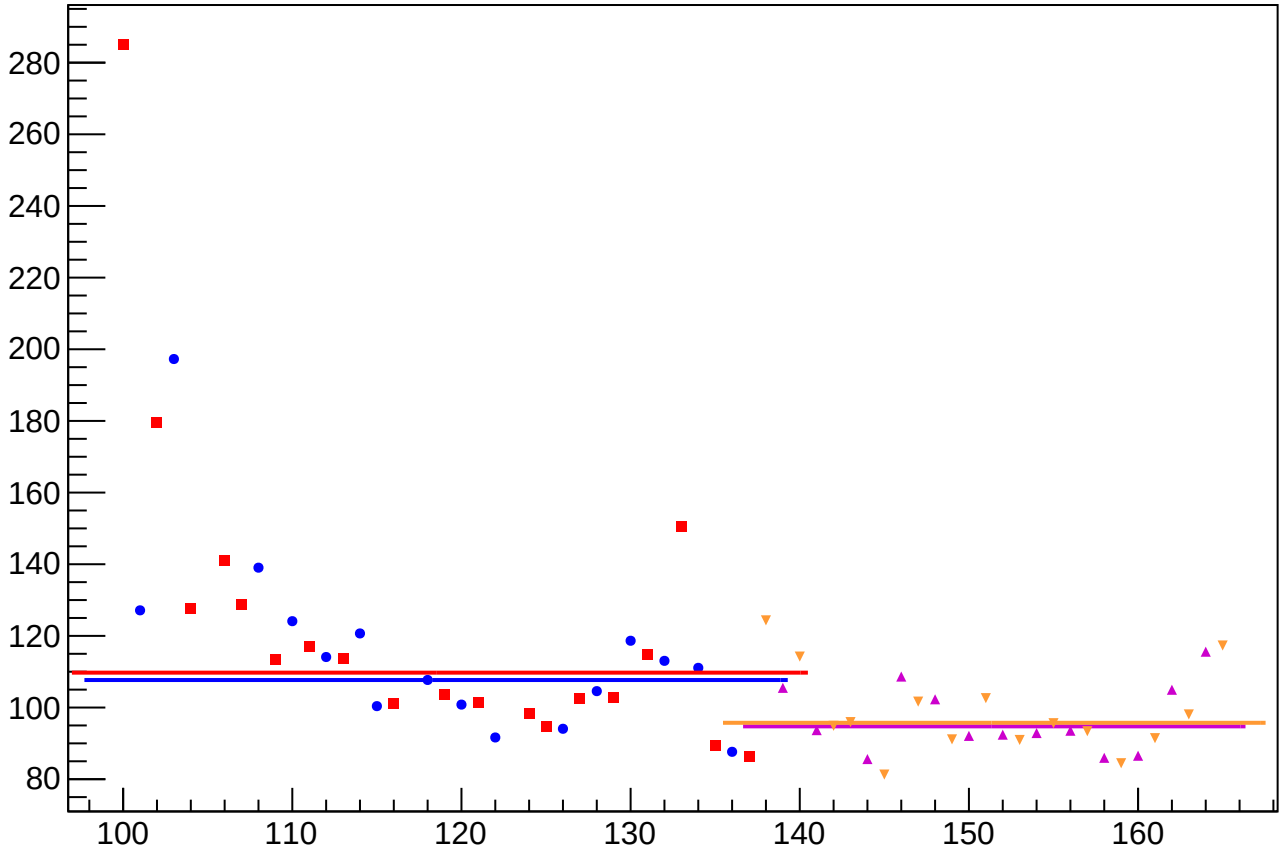
Left In: -66.800+/-29.073 χ^2/NDF:18.1/12

+ sign 25.744+/-23.337 χ^2/NDF: 35.0/30

All: -18.511+/-16.669 χ^2/NDF: 87.5/62

- sign -64.602+/-23.817 χ^2/NDF: 45.2/31

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 95.745+/-0.020 χ^2/NDF:267155.7/14

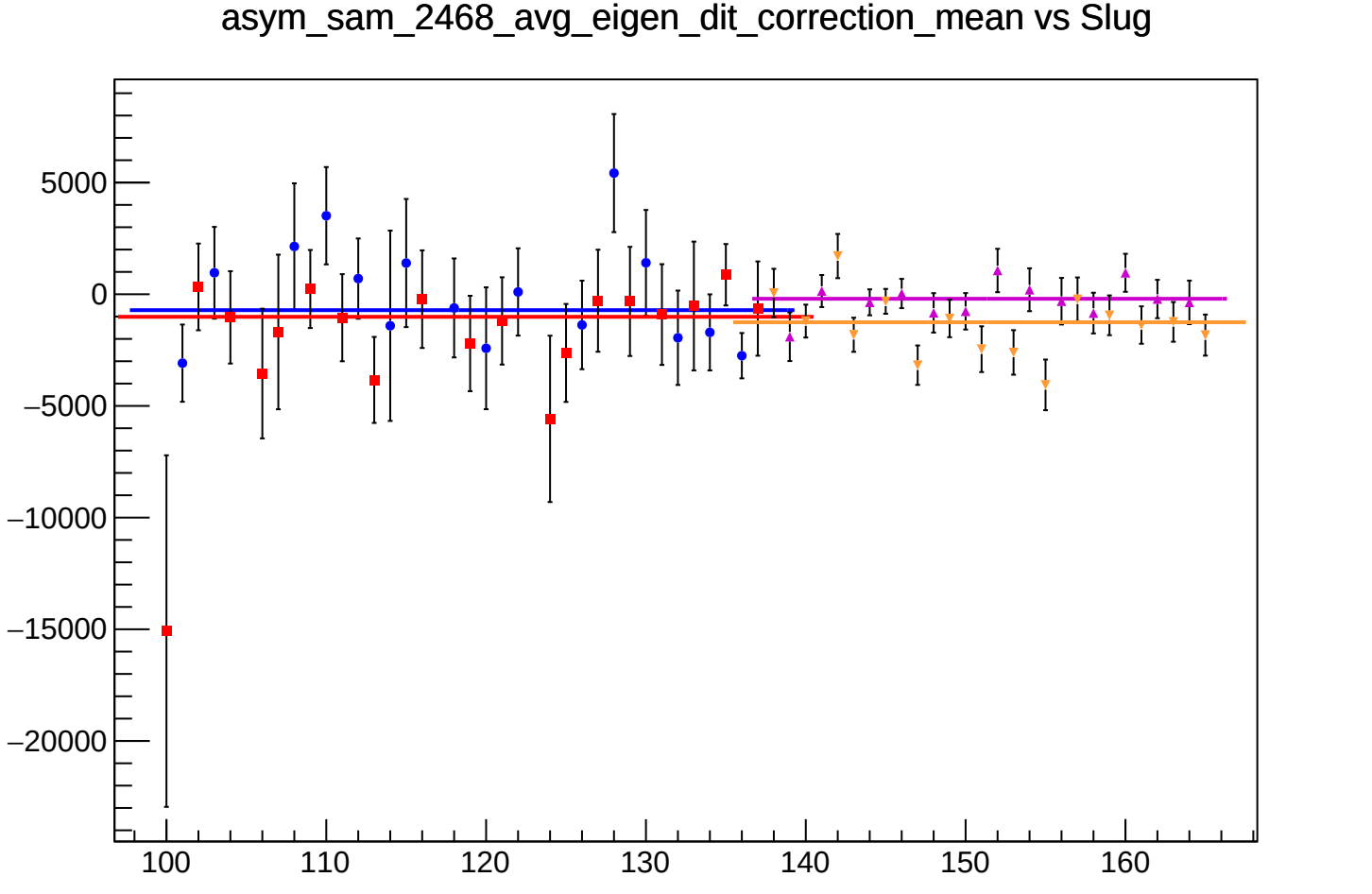
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.746+/-0.021 χ^2/NDF:161320.3/12

+ sign 99.570+/-0.017 χ^2/NDF: 864185.3/30

All: 99.623+/-0.012 χ^2/NDF: 1692244.0/62

- sign 99.678+/-0.017 χ^2/NDF: 828038.0/31



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1253.465+/-222.024 χ^2/NDF:29.6/14

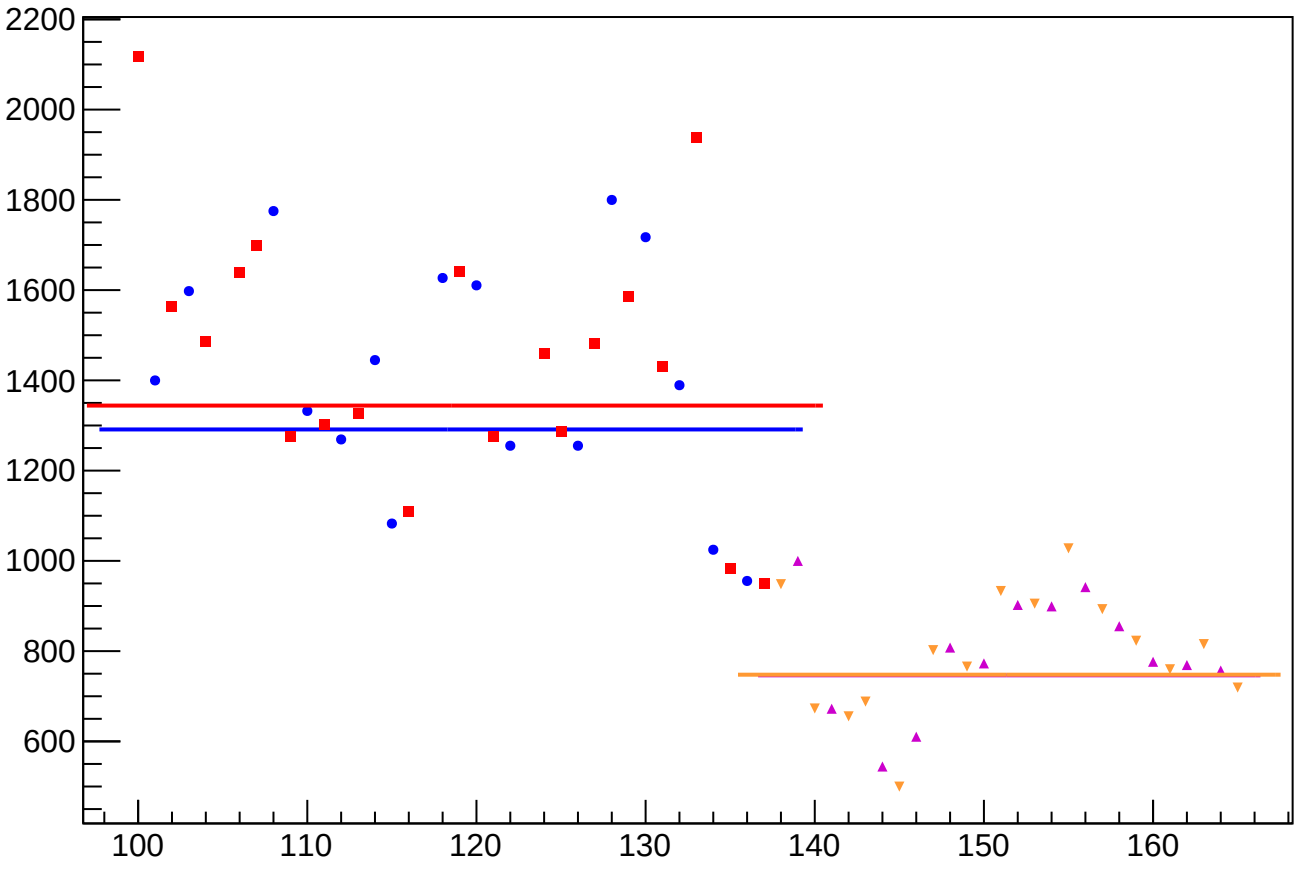
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -202.972+/-229.929 χ^2/NDF:8.1/12

+ sign -1162.389+/-202.459 χ^2/NDF: 50.7/30

All: -765.862+/-145.417 χ^2/NDF: 80.6/62

- sign -343.304+/-208.999 χ^2/NDF: 22.0/31



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 747.782+/-0.157 χ^2/NDF:834026.5/14

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

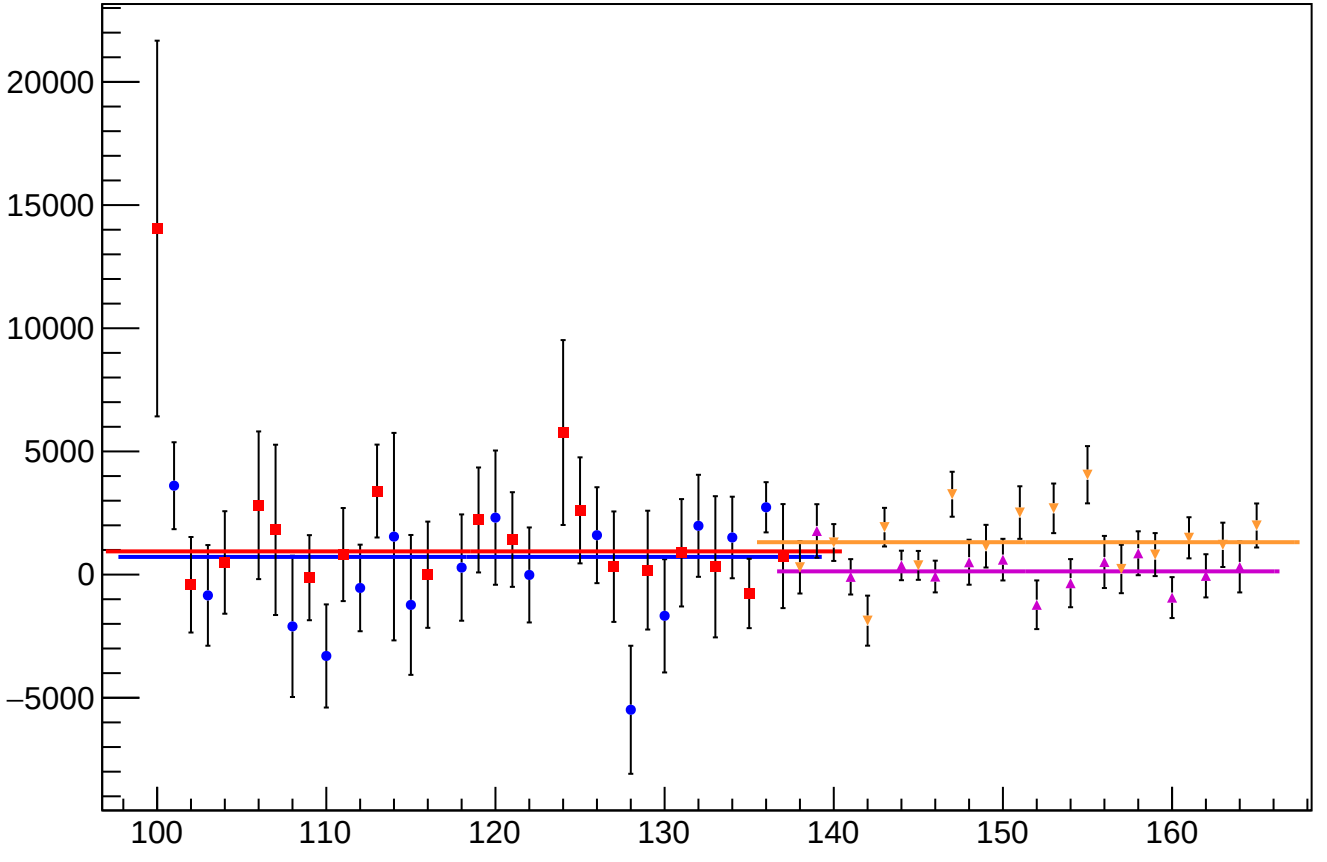
Left In: 746.359+/-0.163 χ^2/NDF:674434.7/12

+ sign 839.338+/-0.143 χ^2/NDF: 3463603.8/30

All: 844.611+/-0.103 χ^2/NDF: 6980669.8/62

- sign 850.230+/-0.148 χ^2/NDF: 3514263.9/31

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1315.329+/-225.964 χ^2/NDF:29.4/14

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

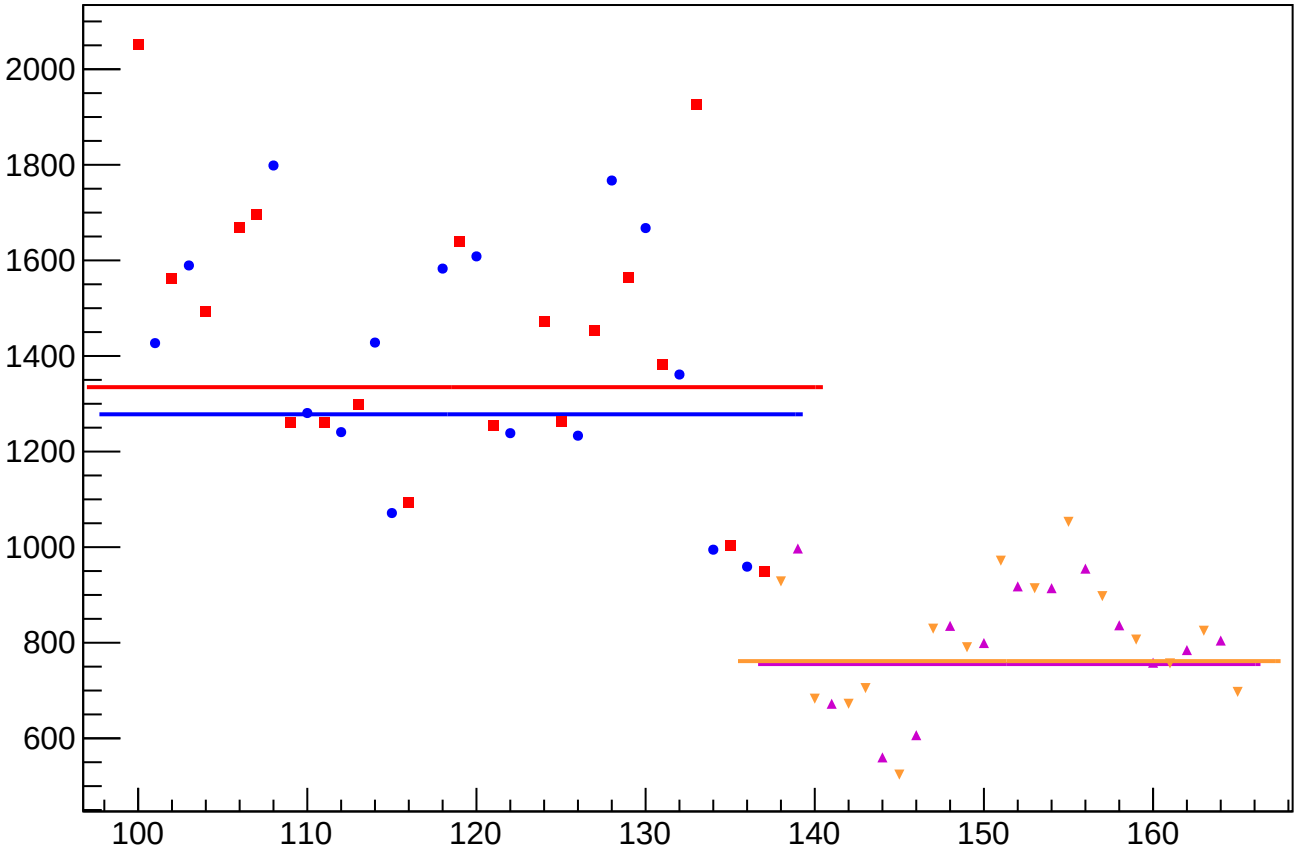
Left In: 131.303+/-232.531 χ^2/NDF:7.8/12

+ sign 1209.886+/-205.067 χ^2/NDF: 51.6/30

All: 755.808+/-146.955 χ^2/NDF: 82.2/62

- sign 276.446+/-210.698 χ^2/NDF: 20.5/31

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 761.535+/-0.160 χ^2/NDF:751286.0/14

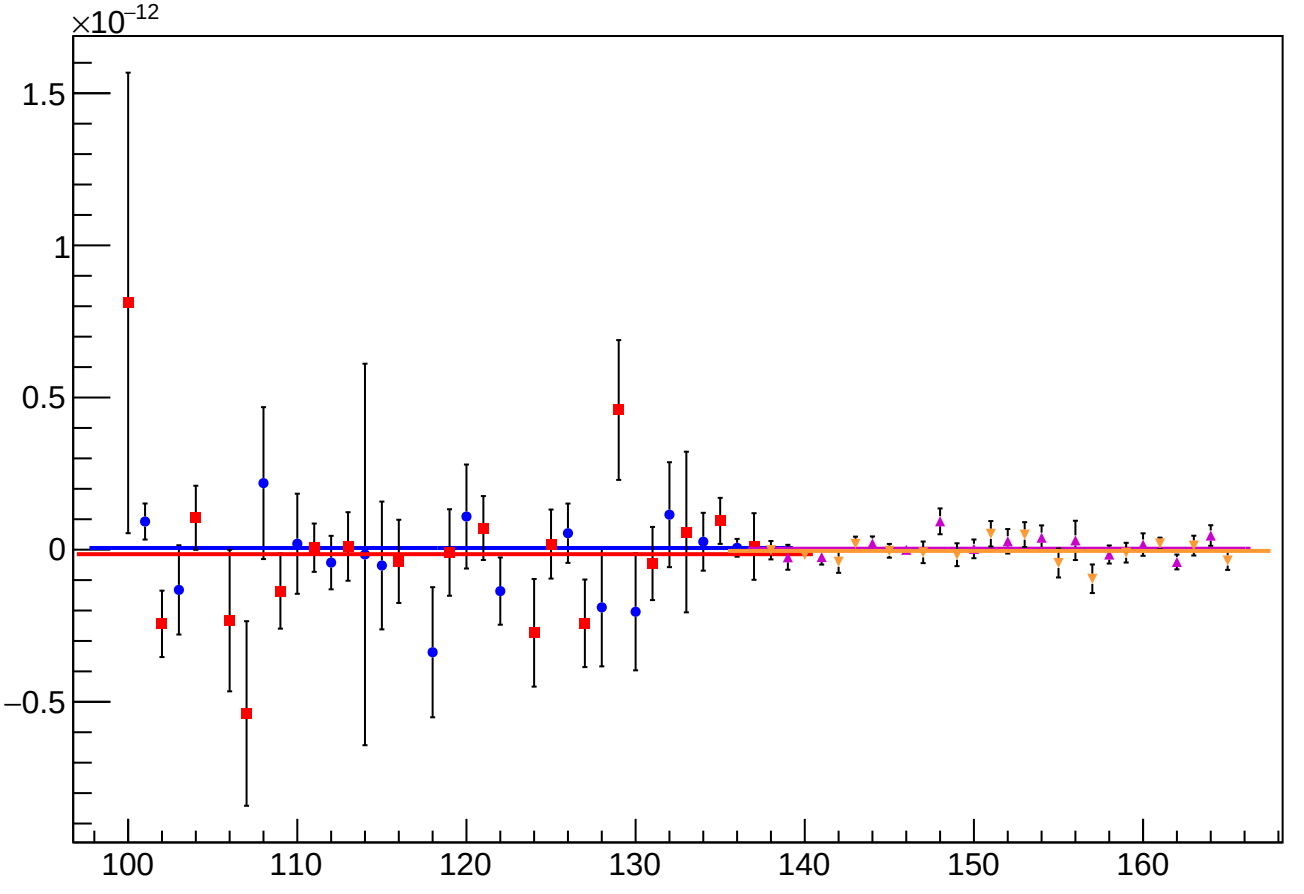
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 755.364+/-0.164 χ^2/NDF:667579.9/12

+ sign 852.642+/-0.145 χ^2/NDF: 3191936.5/30

All: 855.764+/-0.104 χ^2/NDF: 6554727.6/62

- sign 859.060+/-0.149 χ^2/NDF: 3361838.0/31



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/14

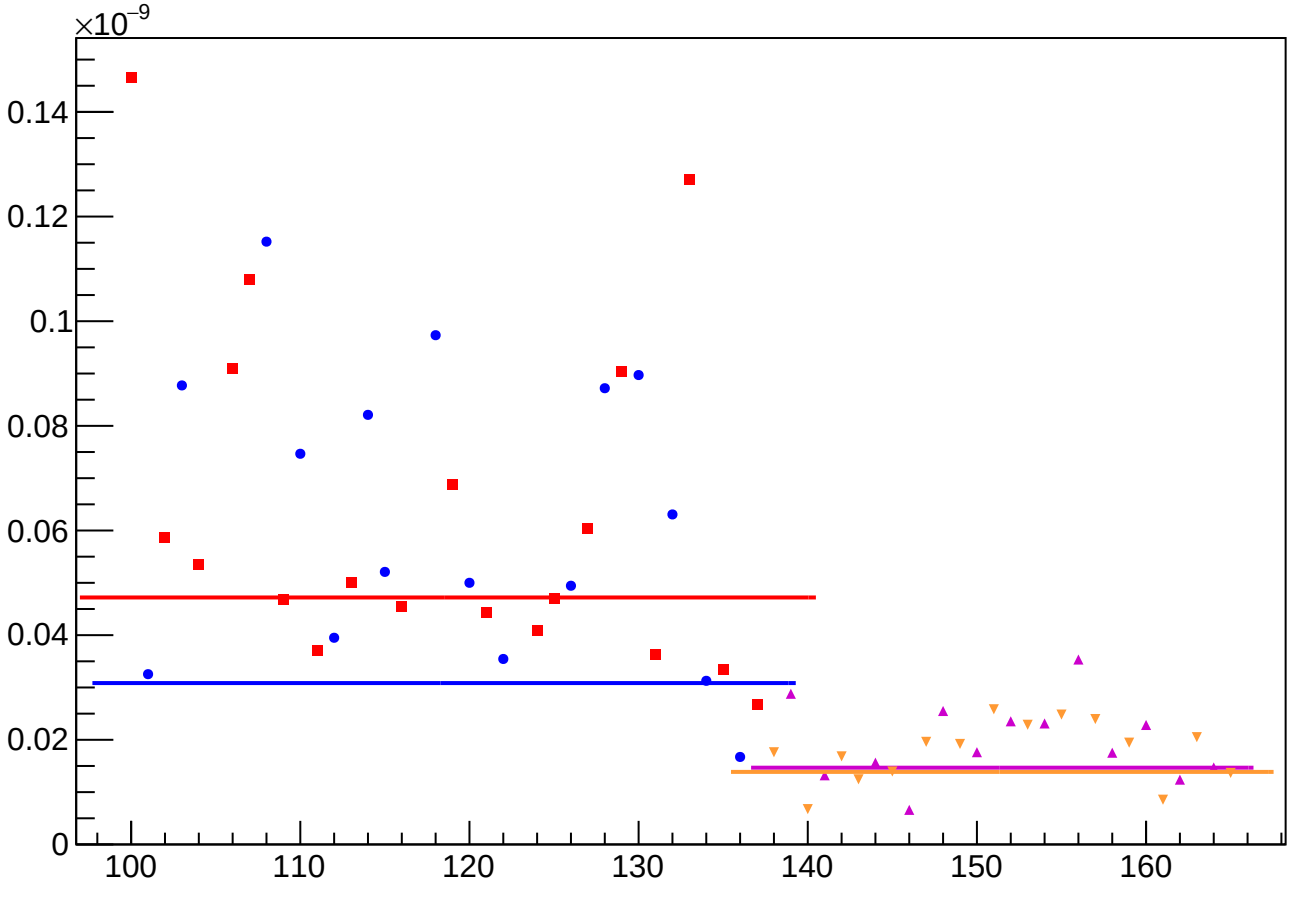
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/12

\+ sign -0.000+/-0.000 χ^2/NDF: 25.5/30

All: -0.000+/-0.000 χ^2/NDF: 63.5/62

\- sign 0.000+/-0.000 χ^2/NDF: 37.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1337005.4/14

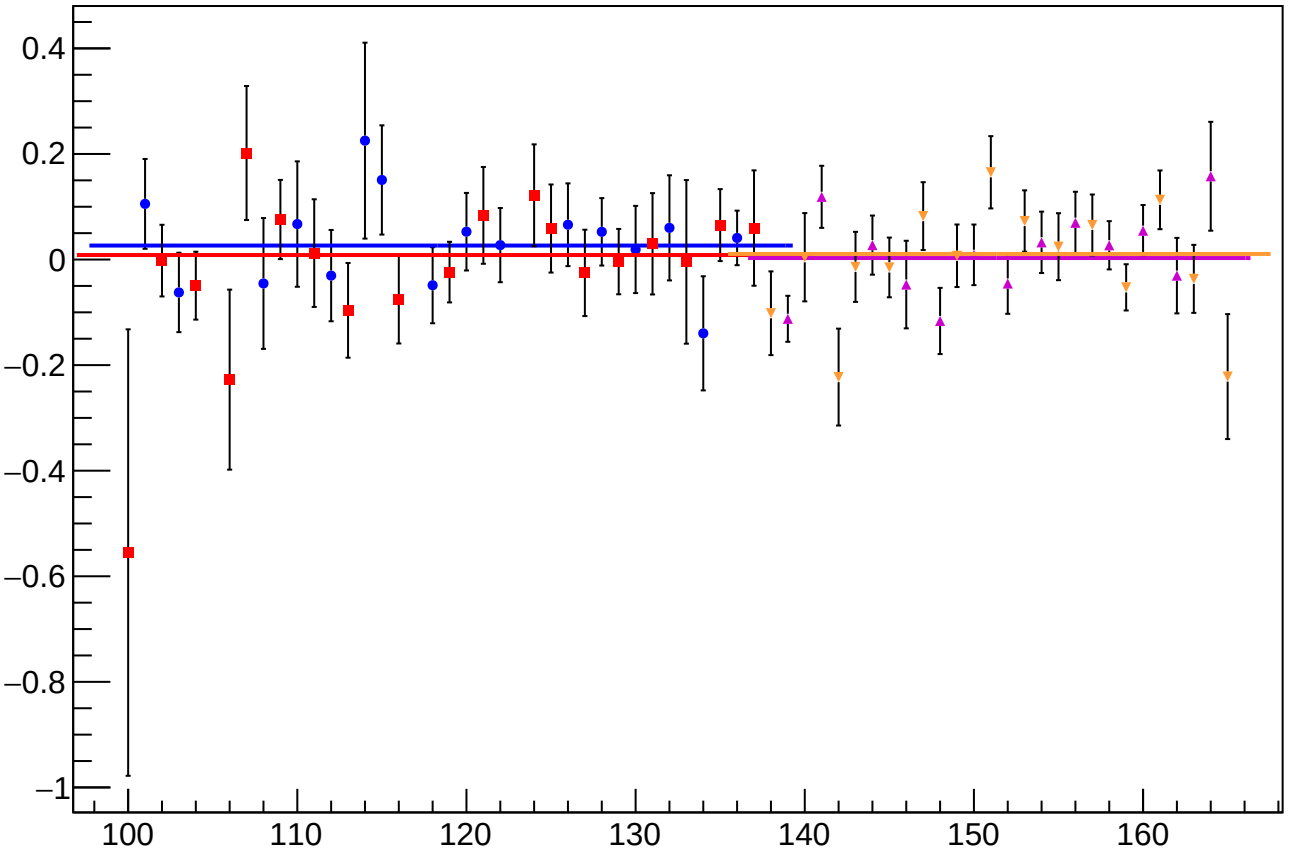
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1535291.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 4363387.3/30

All: 0.000+/-0.000 χ^2/NDF: 9059857.2/62

- sign 0.000+/-0.000 χ^2/NDF: 4661262.8/31



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

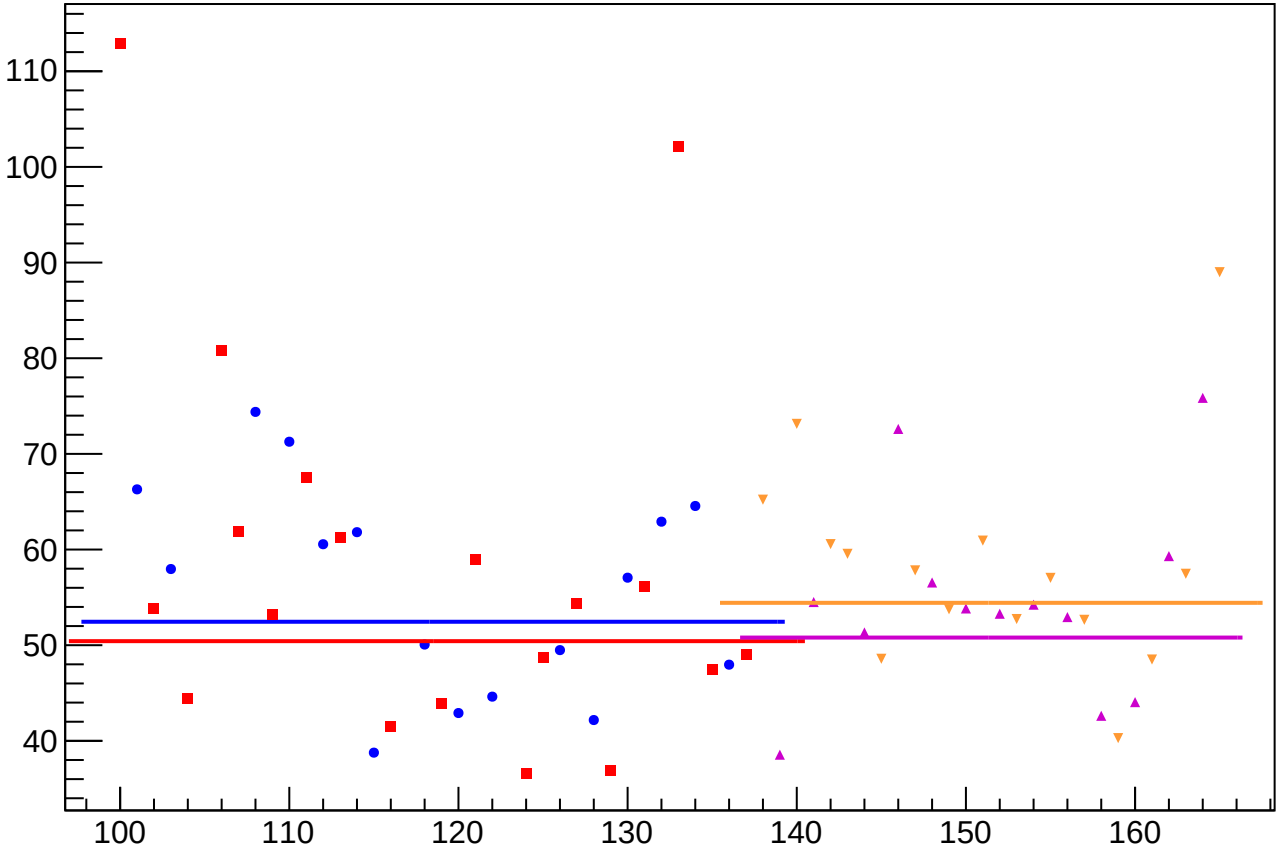
Left In: 0.003+/-0.016 χ^2/NDF:21.2/12

+ sign 0.017+/-0.013 χ^2/NDF: 37.4/30

All: 0.011+/-0.009 χ^2/NDF: 73.1/62

- sign 0.005+/-0.012 χ^2/NDF: 35.2/31

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.430+/-0.012 χ^2/NDF:616517.9/14

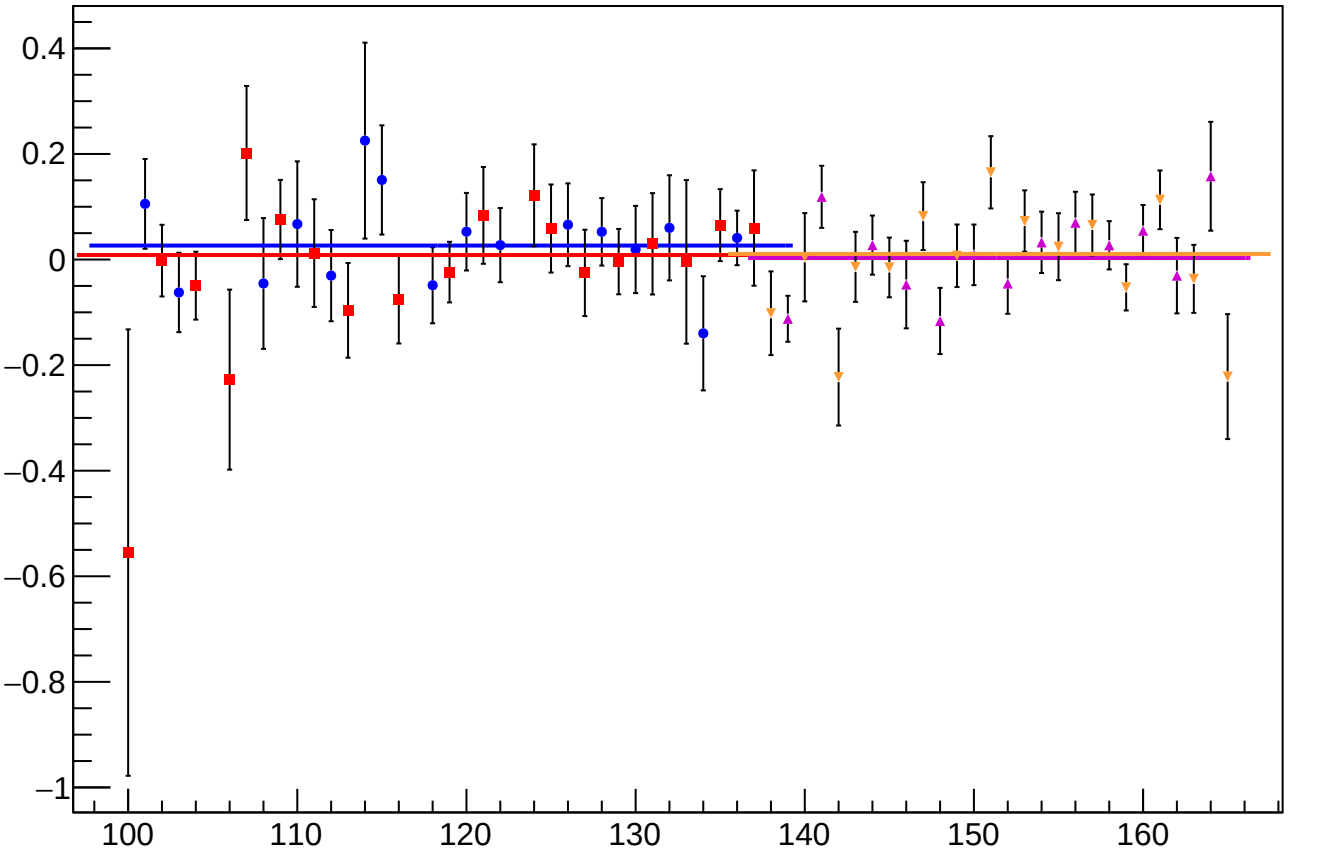
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.798+/-0.011 χ^2/NDF:589388.8/12

+ sign 53.651+/-0.009 χ^2/NDF: 1045955.1/30

All: 52.096+/-0.006 χ^2/NDF: 2369593.1/62

- sign 50.647+/-0.009 χ^2/NDF: 1266579.7/31



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

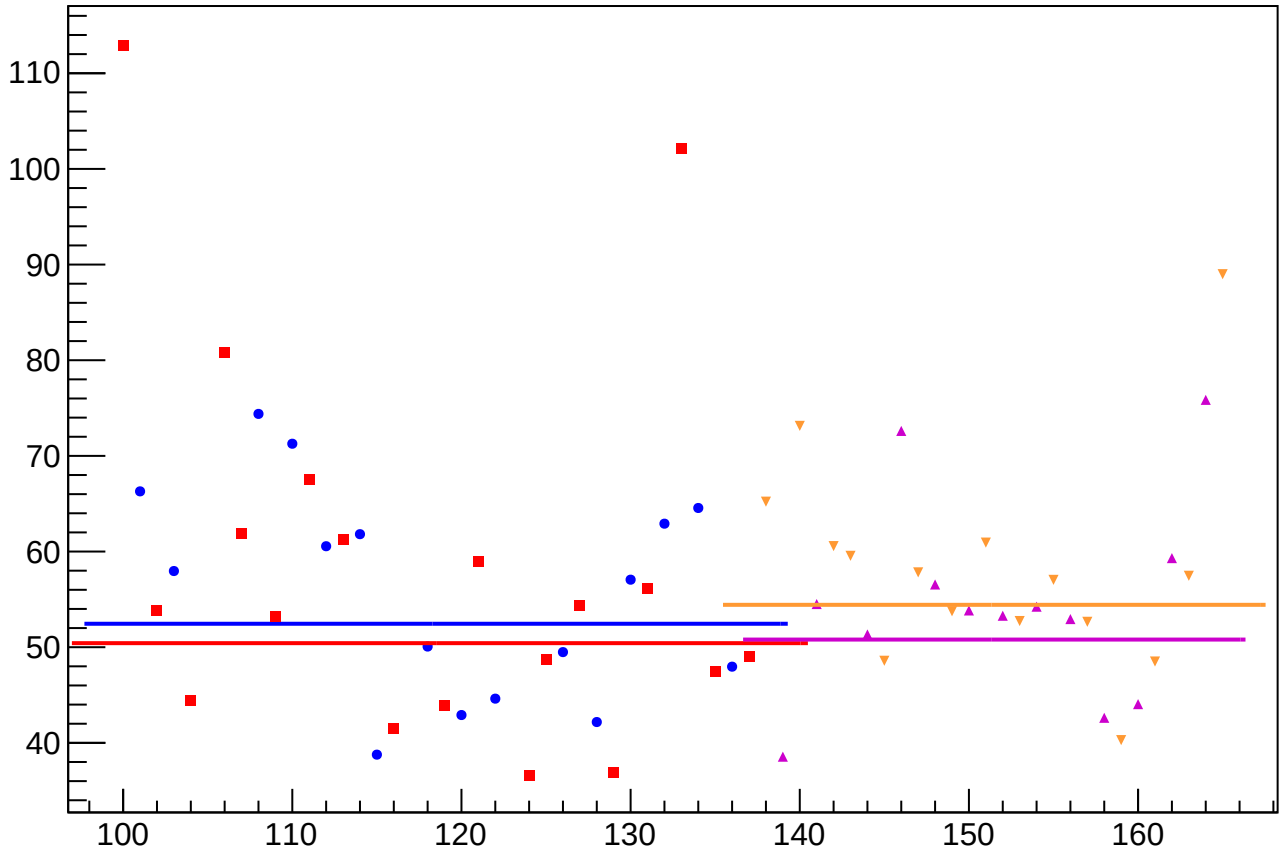
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.016 χ^2/NDF:21.2/12

+ sign 0.017+/-0.013 χ^2/NDF: 37.4/30

All: 0.011+/-0.009 χ^2/NDF: 73.1/62

- sign 0.005+/-0.012 χ^2/NDF: 35.2/31



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 54.430+/-0.012 χ^2/NDF:616517.9/14

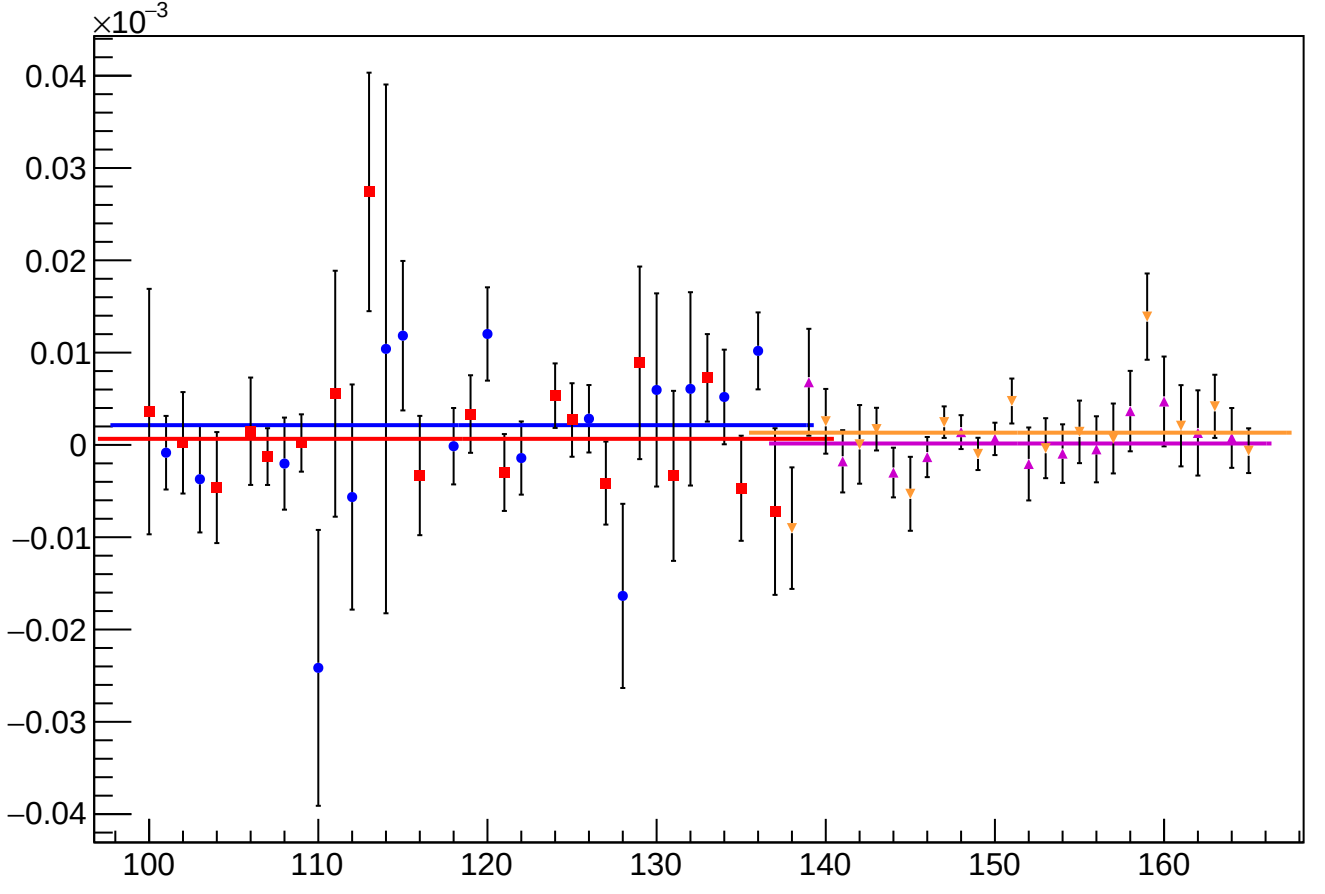
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.798+/-0.011 χ^2/NDF:589388.8/12

+ sign 53.651+/-0.009 χ^2/NDF: 1045955.1/30

All: 52.096+/-0.006 χ^2/NDF: 2369593.1/62

- sign 50.647+/-0.009 χ^2/NDF: 1266579.7/31



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/14

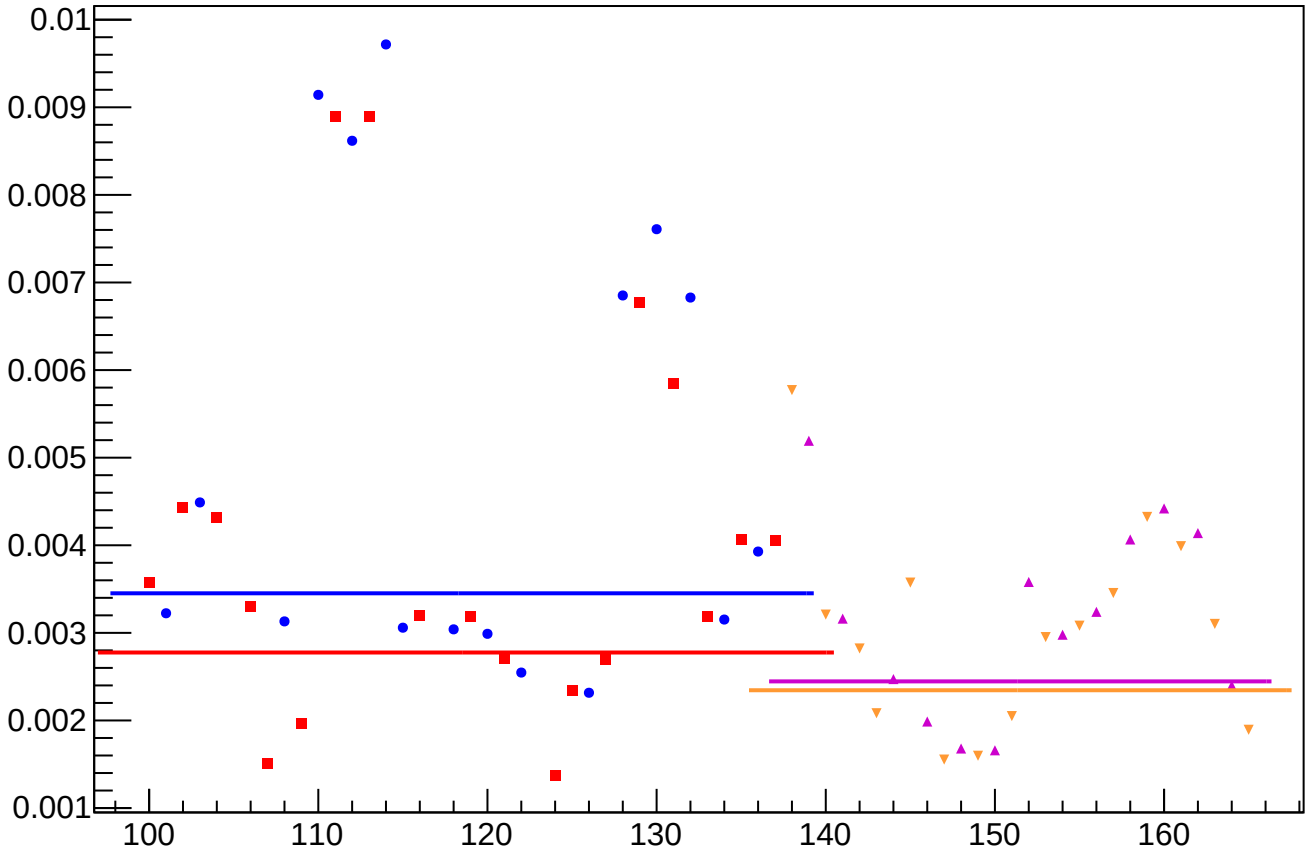
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/12

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/30

All: 0.000+/-0.000 χ^2/NDF: 61.5/62

- sign 0.000+/-0.000 χ^2/NDF: 21.0/31



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2867758.3/14

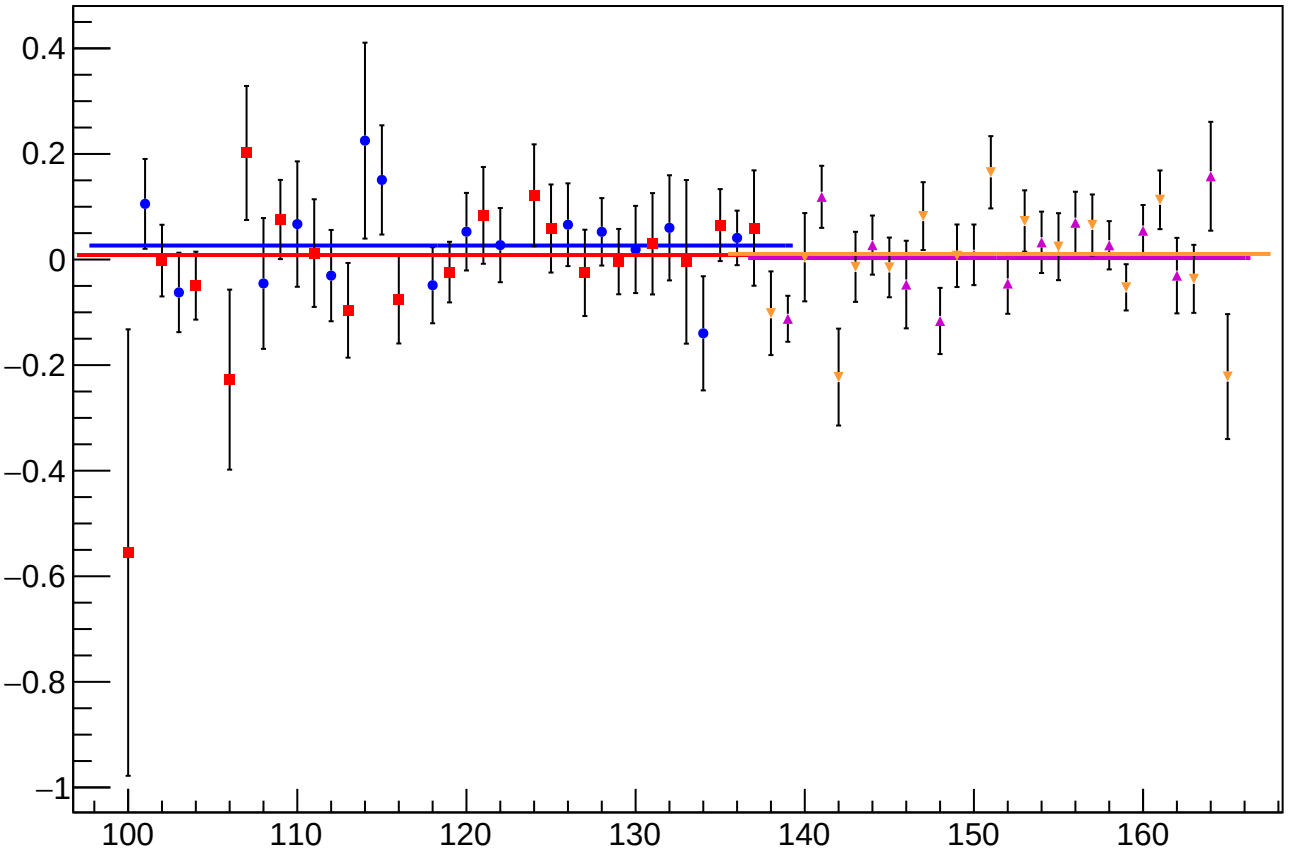
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2575766.2/12

+ sign 0.003+/-0.000 χ^2/NDF: 5814552.7/30

All: 0.003+/-0.000 χ^2/NDF: 11239157.1/62

- sign 0.003+/-0.000 χ^2/NDF: 5421841.9/31



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

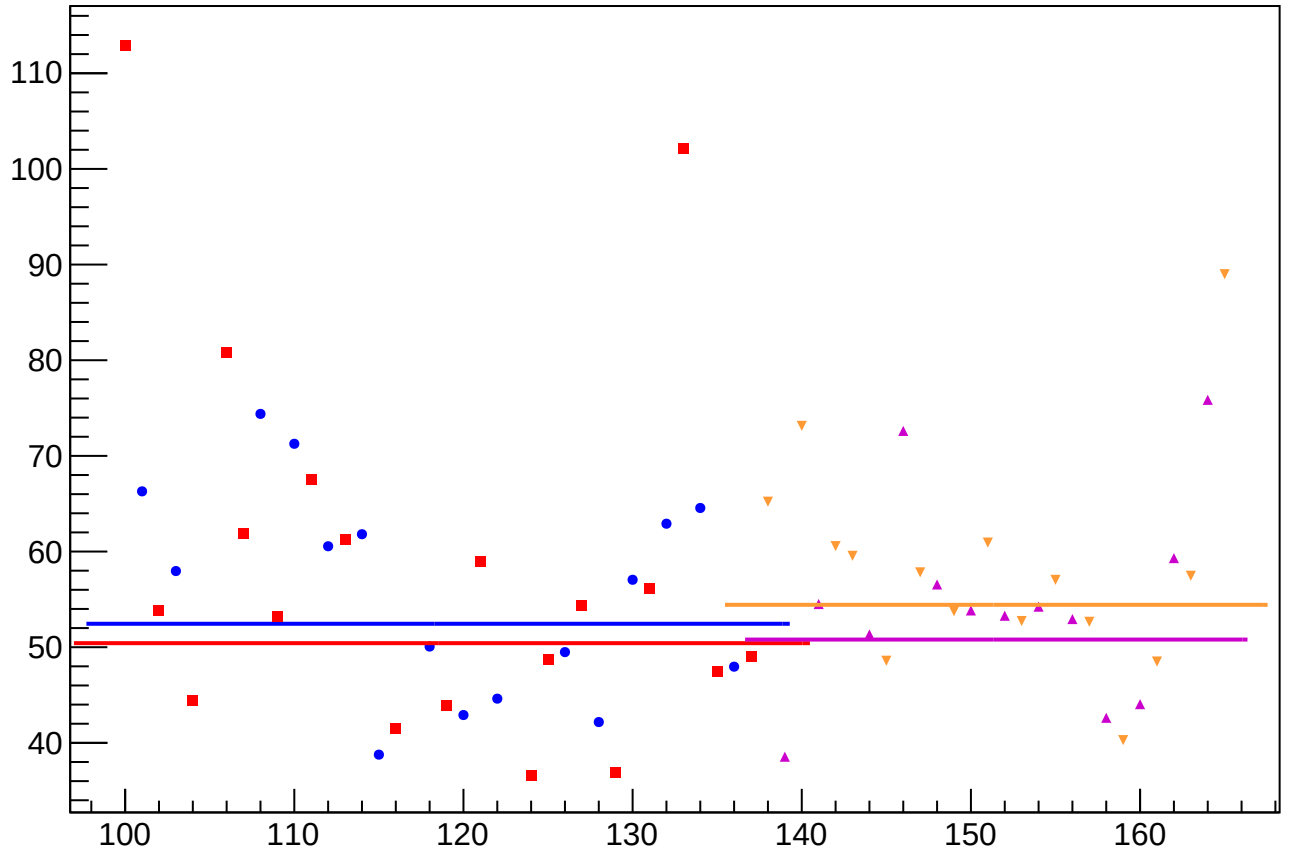
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.016 χ^2/NDF:21.2/12

+ sign 0.017+/-0.013 χ^2/NDF: 37.4/30

All: 0.011+/-0.009 χ^2/NDF: 73.1/62

- sign 0.005+/-0.012 χ^2/NDF: 35.2/31



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.431+/-0.012 χ^2/NDF:616534.1/14

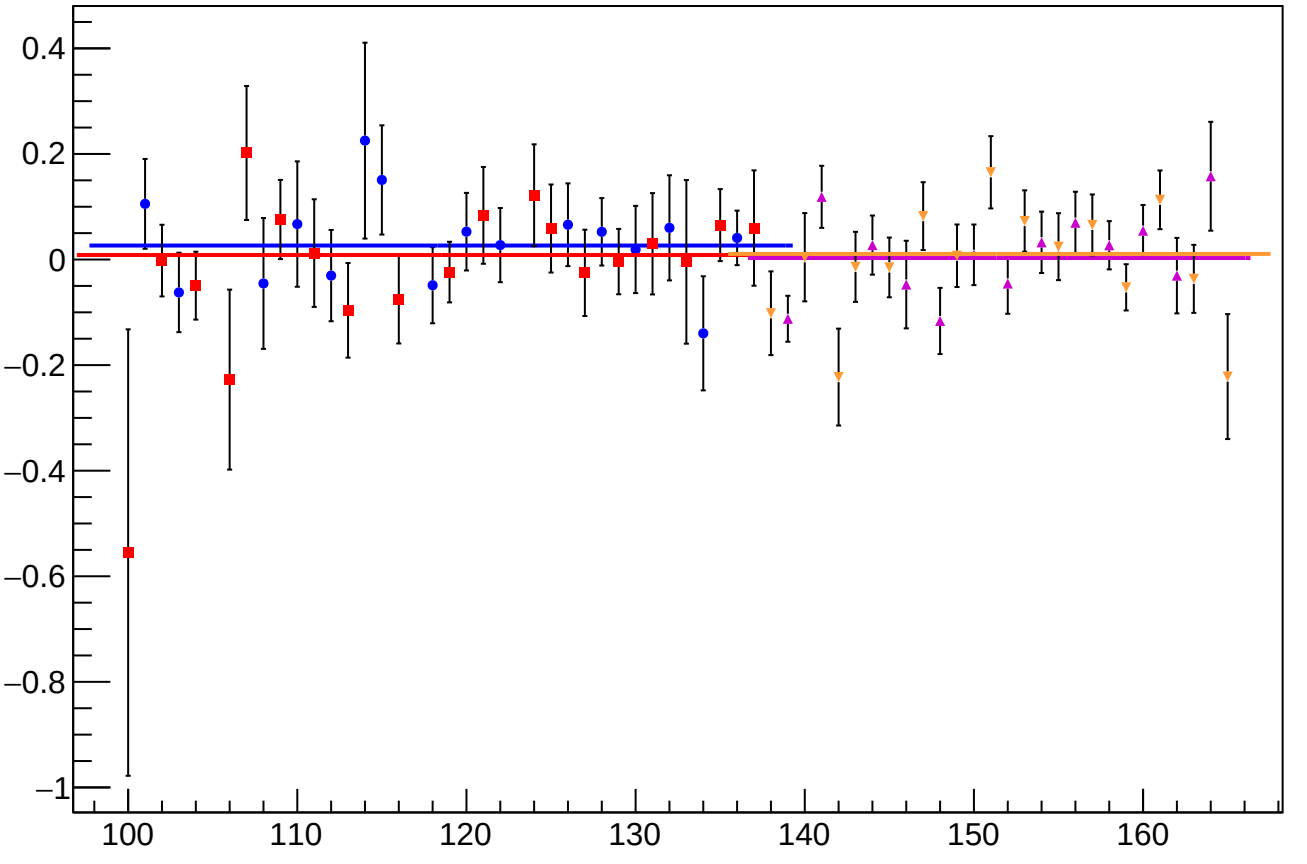
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.798+/-0.011 χ^2/NDF:589473.8/12

+ sign 53.651+/-0.009 χ^2/NDF: 1045941.9/30

All: 52.096+/-0.006 χ^2/NDF: 2369679.8/62

- sign 50.647+/-0.009 χ^2/NDF: 1266673.8/31



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.011+/-0.016 χ^2/NDF:27.1/14

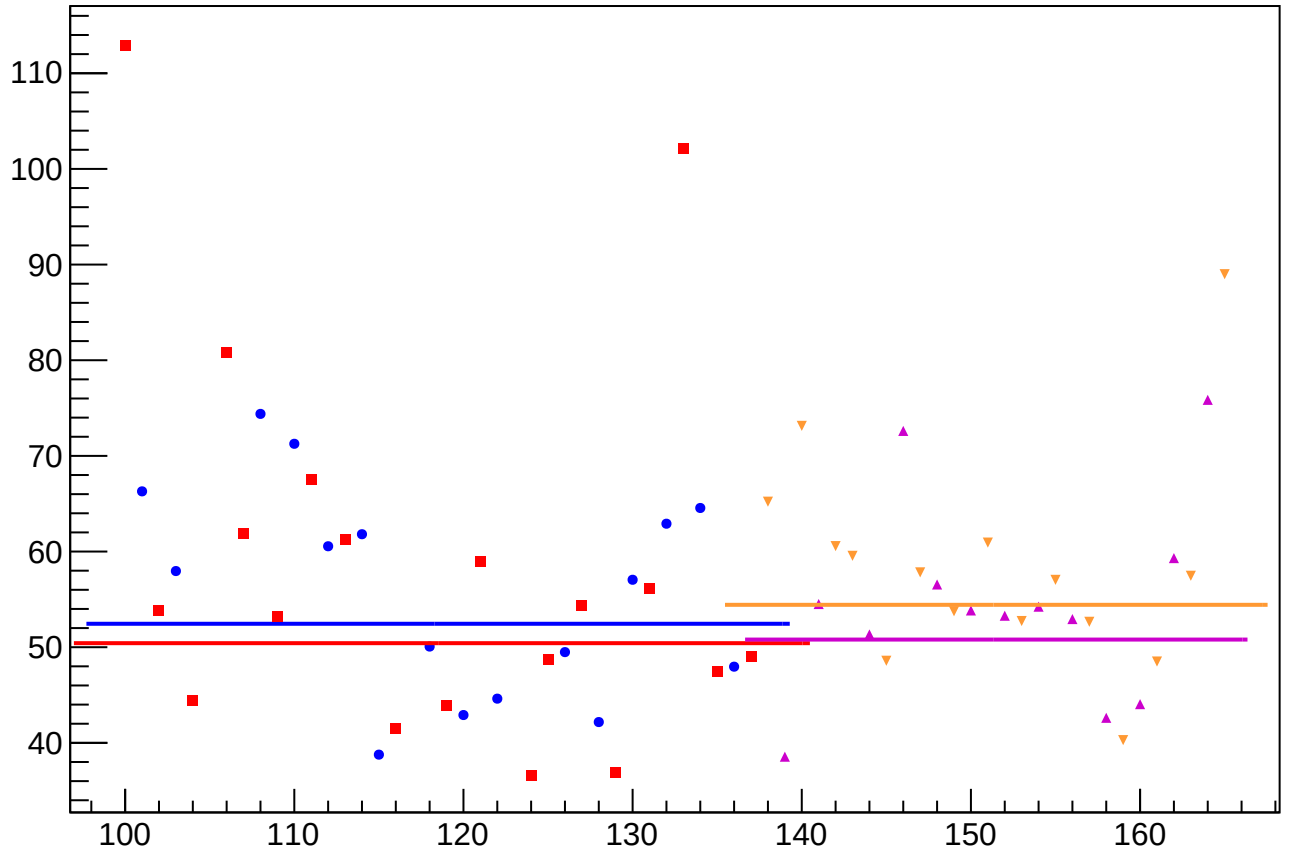
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.016 χ^2/NDF:21.2/12

+ sign 0.017+/-0.013 χ^2/NDF: 37.4/30

All: 0.011+/-0.009 χ^2/NDF: 73.1/62

- sign 0.005+/-0.012 χ^2/NDF: 35.2/31



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.431+/-0.012 χ^2/NDF:616534.1/14

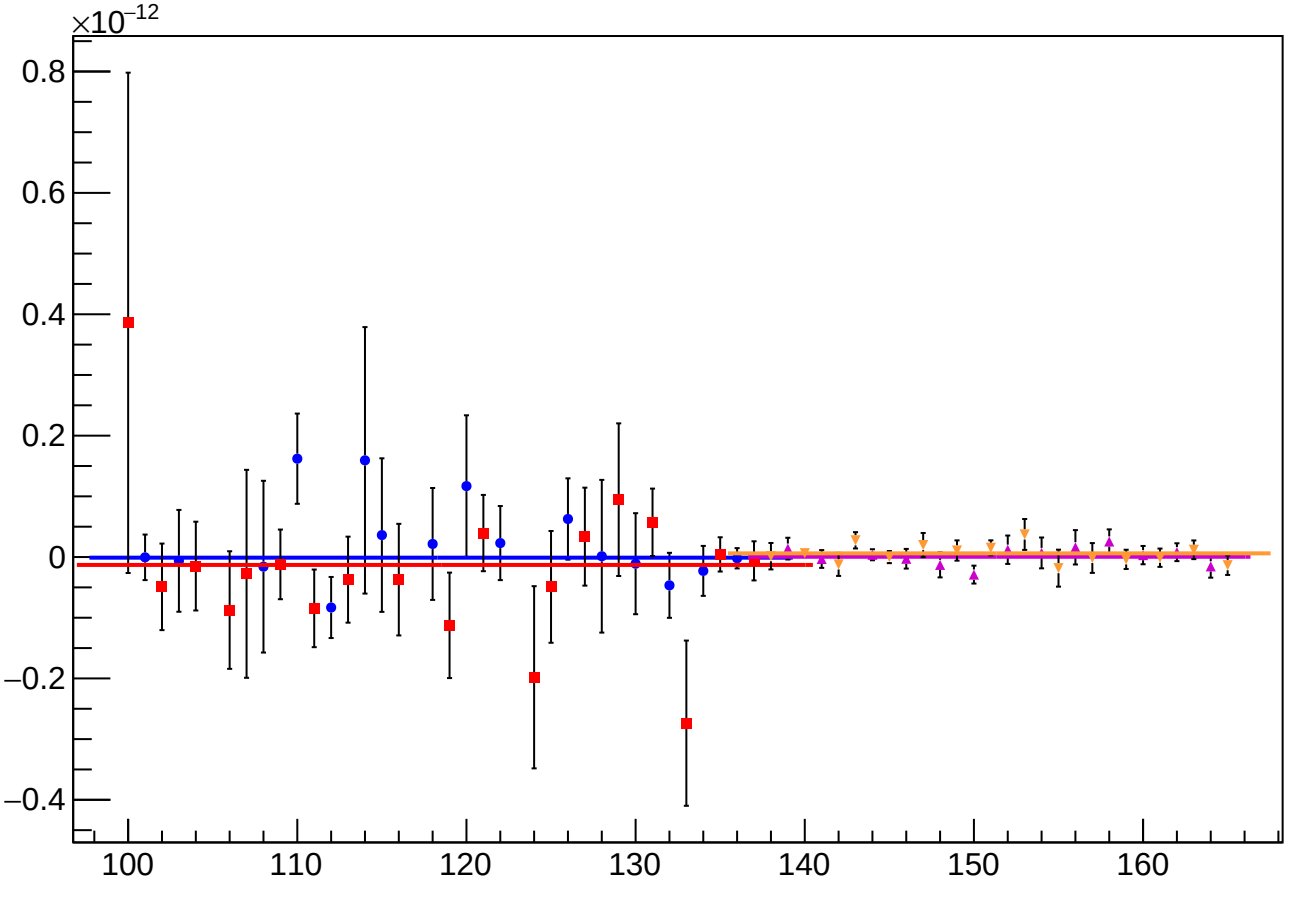
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.798+/-0.011 χ^2/NDF:589473.8/12

+ sign 53.651+/-0.009 χ^2/NDF: 1045941.9/30

All: 52.096+/-0.006 χ^2/NDF: 2369679.8/62

- sign 50.647+/-0.009 χ^2/NDF: 1266673.8/31



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/14

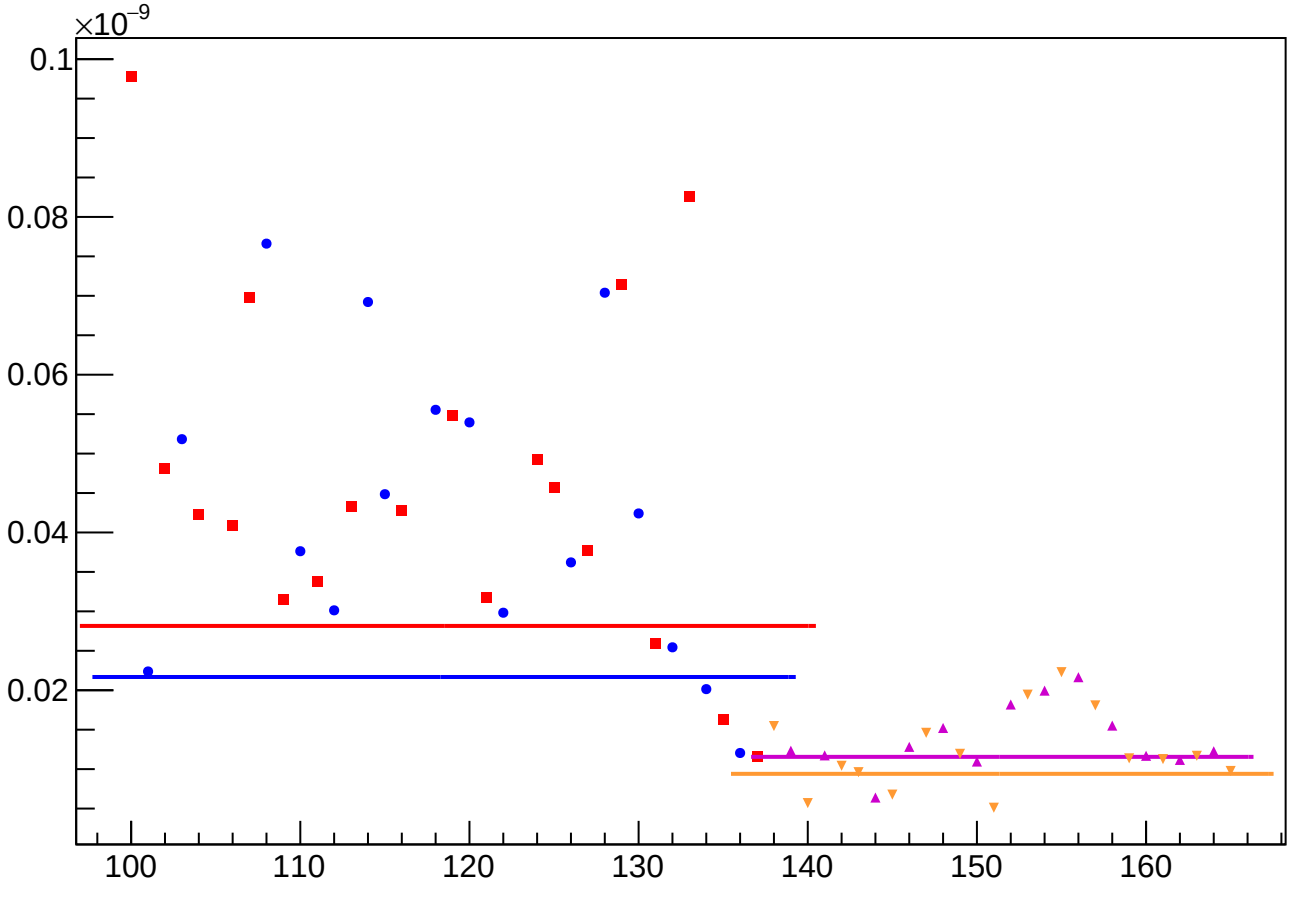
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 21.1/30

All: 0.000+/-0.000 χ^2/NDF: 45.1/62

- sign -0.000+/-0.000 χ^2/NDF: 22.9/31



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2159924.0/14

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

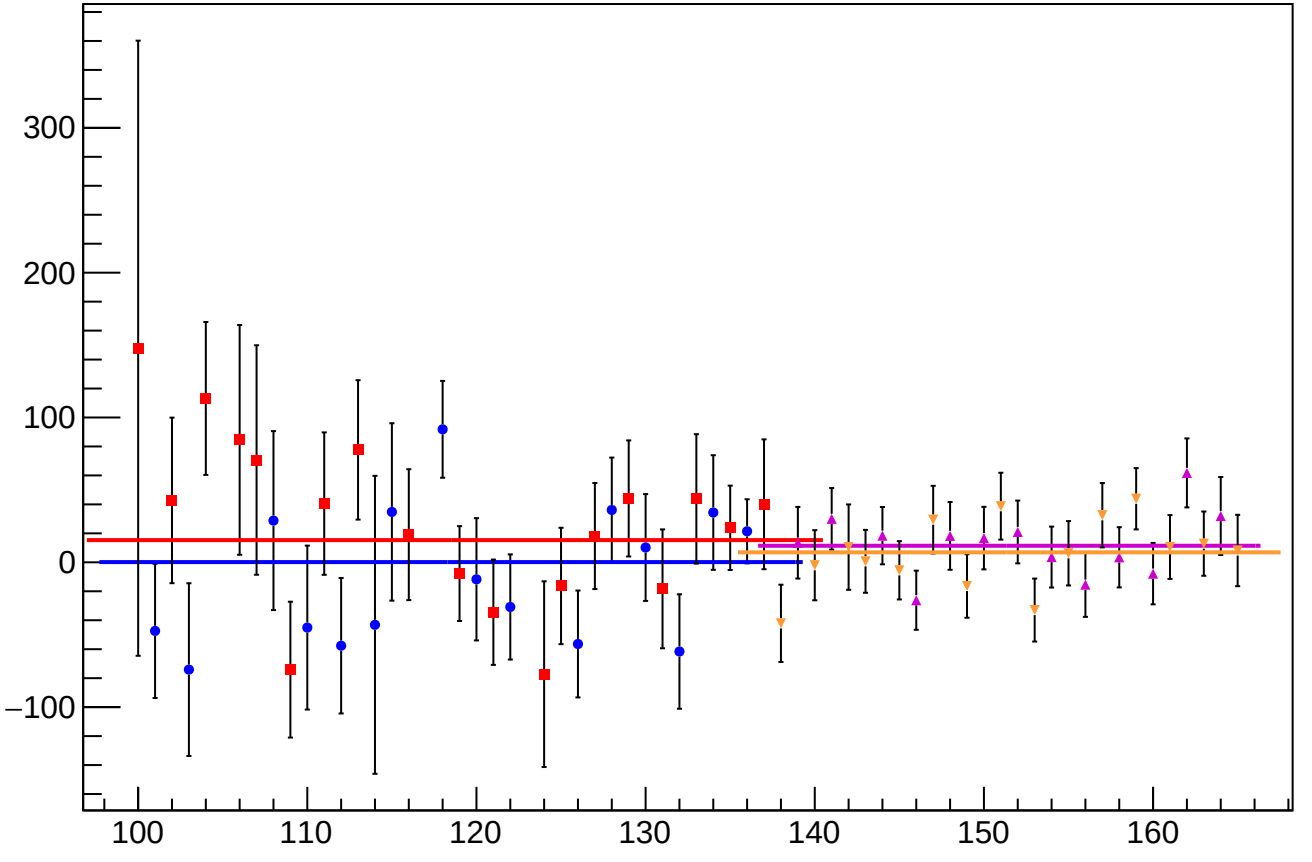
Left In: 0.000+/-0.000 χ^2/NDF:1444536.5/12

+ sign 0.000+/-0.000 χ^2/NDF: 6589149.5/30

All: 0.000+/-0.000 χ^2/NDF: 13193983.5/62

- sign 0.000+/-0.000 χ^2/NDF: 6217600.1/31

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.882+/-5.894 χ^2/NDF:15.8/14

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

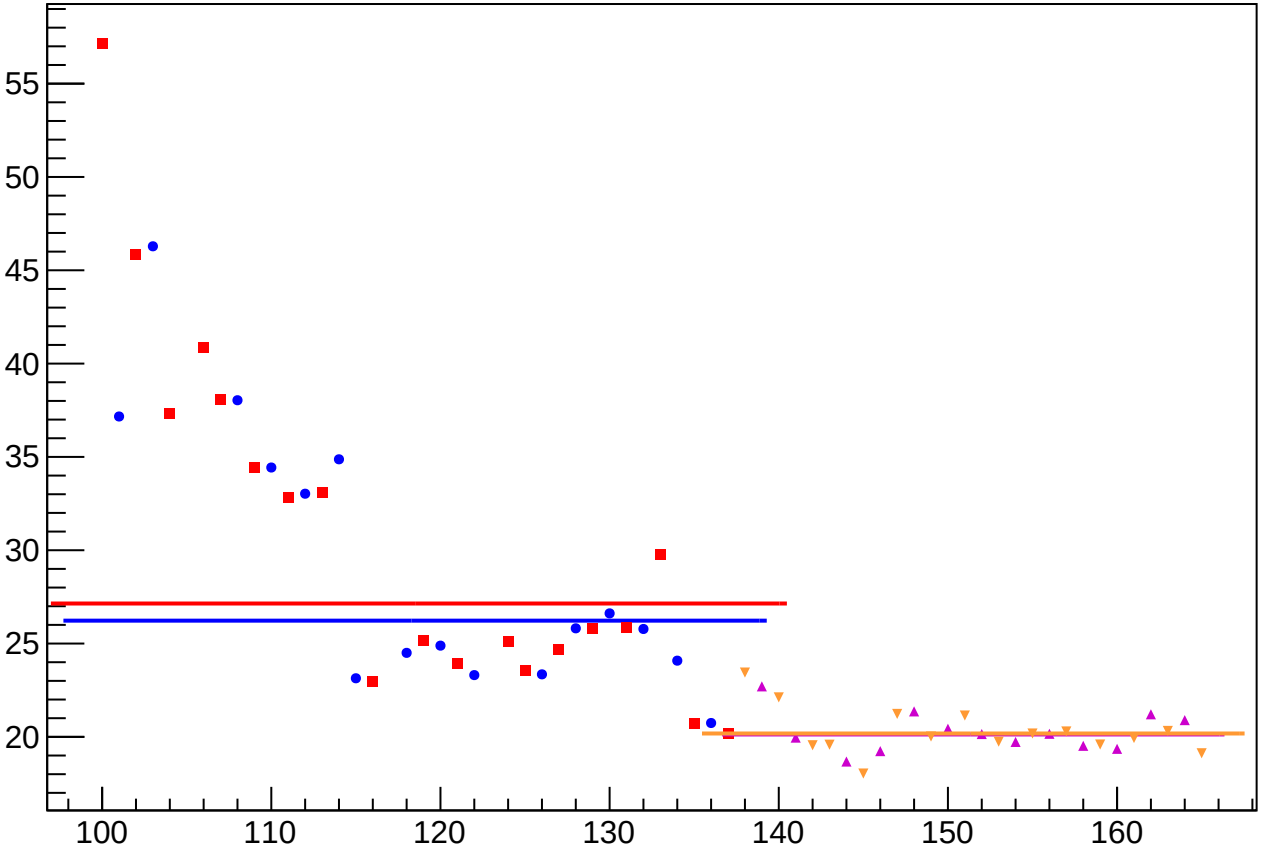
Left In: 11.435+/-6.101 χ^2/NDF:12.2/12

+ sign 5.159+/-5.084 χ^2/NDF: 37.5/30

All: 8.692+/-3.651 χ^2/NDF: 68.8/62

- sign 12.452+/-5.245 χ^2/NDF: 30.3/31

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.181+/-0.004 χ^2/NDF:81948.4/14

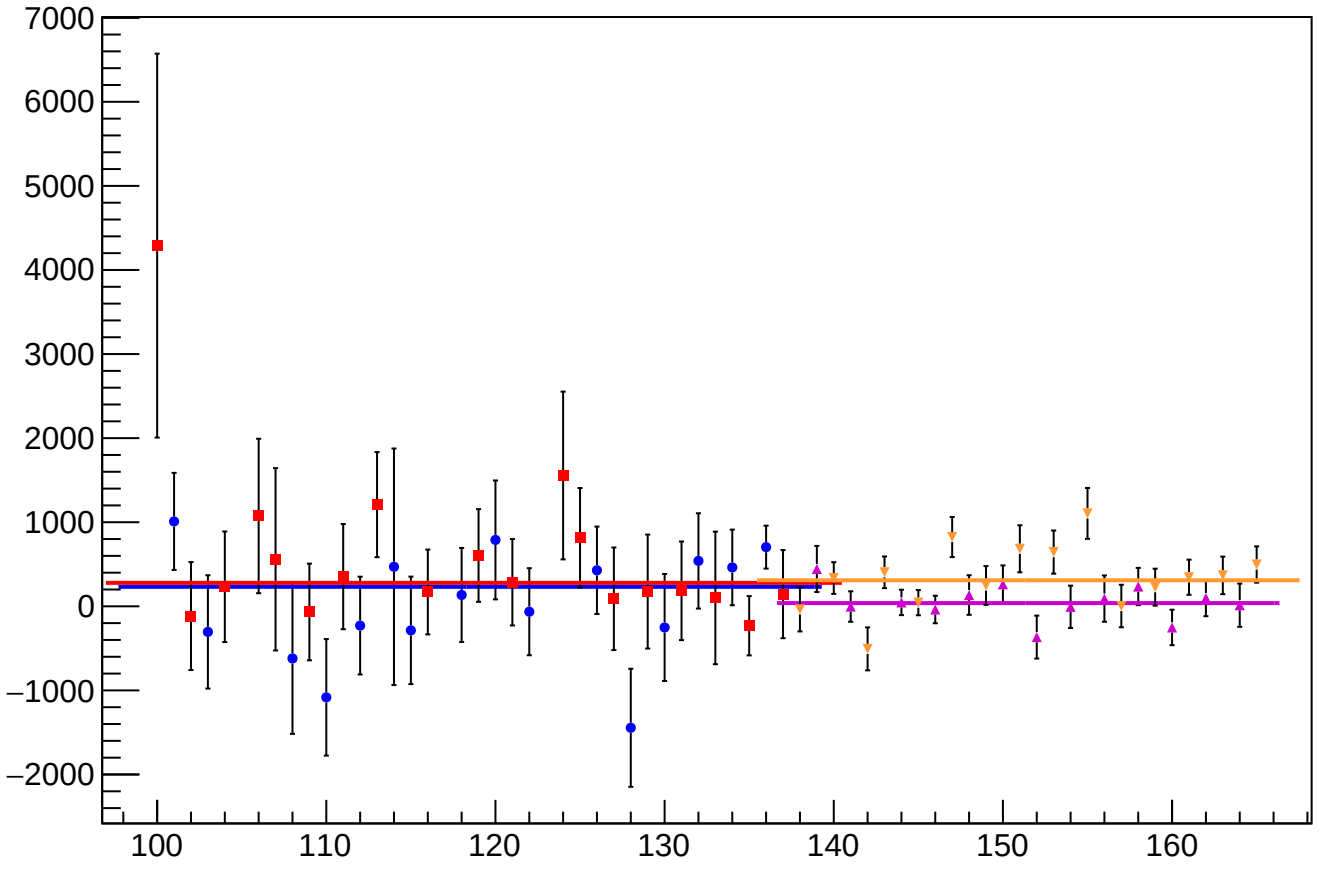
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

+ sign 21.729+/-0.004 χ^2/NDF: 1296791.1/30

All: 21.840+/-0.003 χ^2/NDF: 2797899.5/62

- sign 21.960+/-0.004 χ^2/NDF: 1499110.6/31



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 309.645+/-57.077 χ^2/NDF:33.0/14

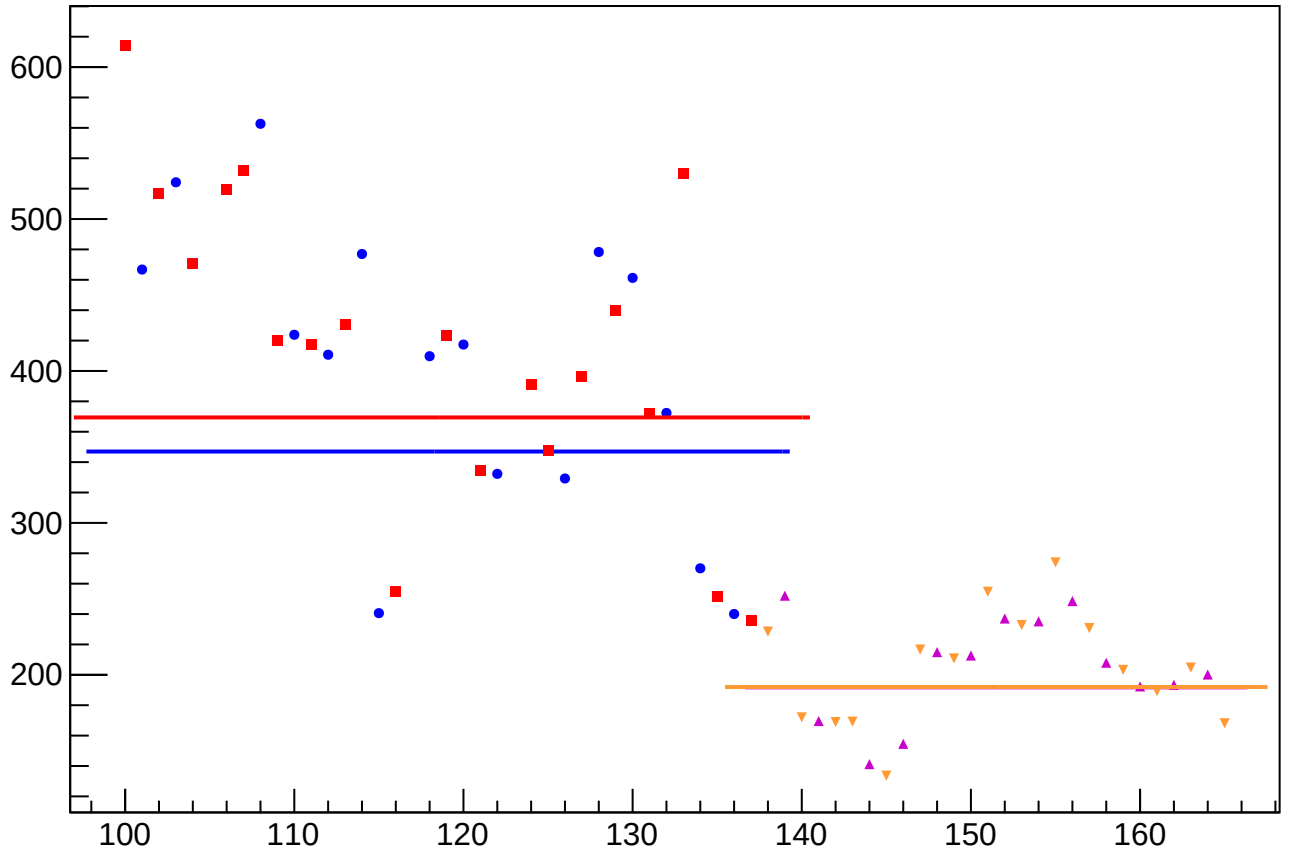
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 38.364+/-59.088 χ^2/NDF:9.0/12

+ sign 297.866+/-52.563 χ^2/NDF: 52.9/30

All: 190.222+/-37.813 χ^2/NDF: 85.2/62

- sign 74.770+/-54.436 χ^2/NDF: 23.5/31



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 191.980+/-0.040 χ^2/NDF:826729.2/14

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

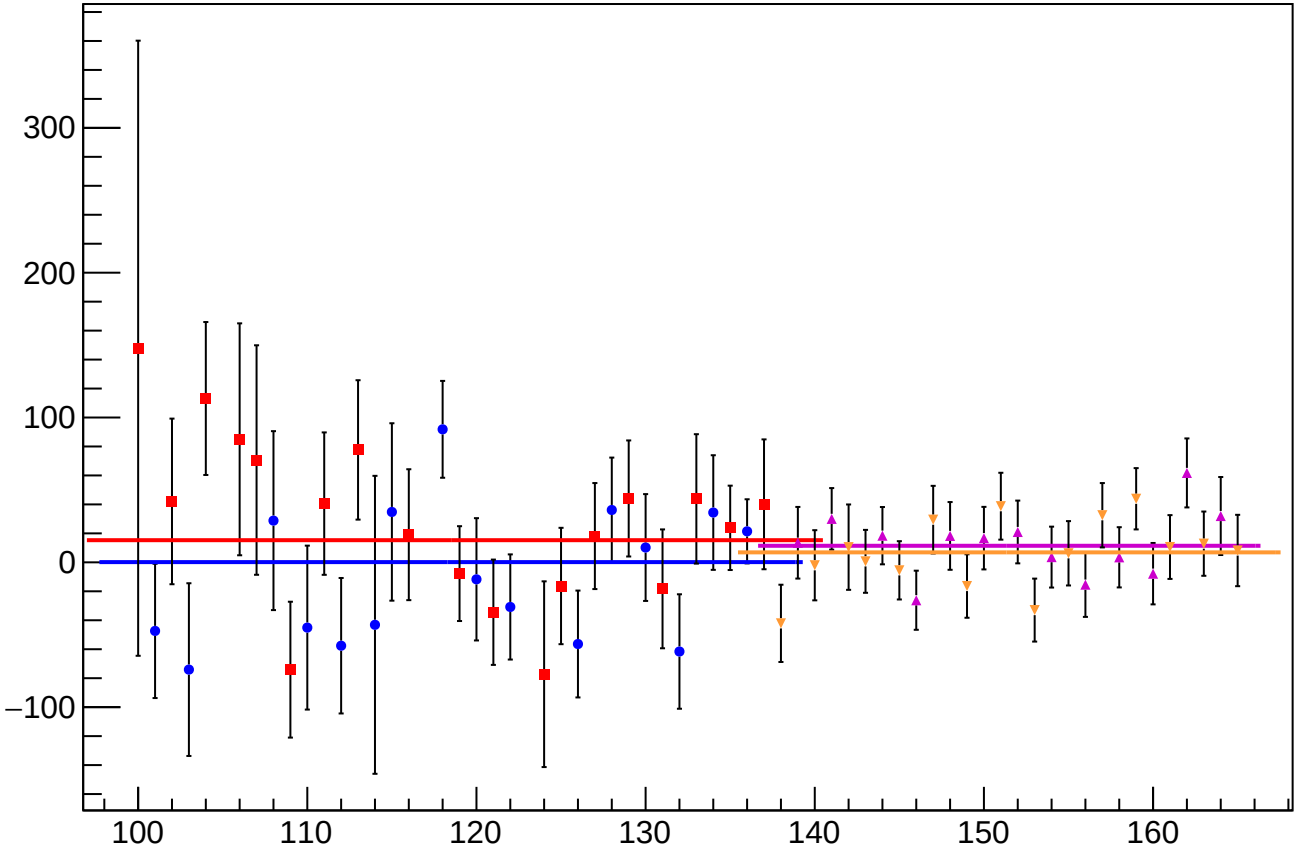
Left In: 191.759+/-0.042 χ^2/NDF:710817.0/12

+ sign 215.522+/-0.037 χ^2/NDF: 4124752.1/30

All: 217.022+/-0.027 χ^2/NDF: 8492426.9/62

- sign 218.632+/-0.038 χ^2/NDF: 4364296.4/31

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.881+/-5.894 χ^2/NDF:15.8/14

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

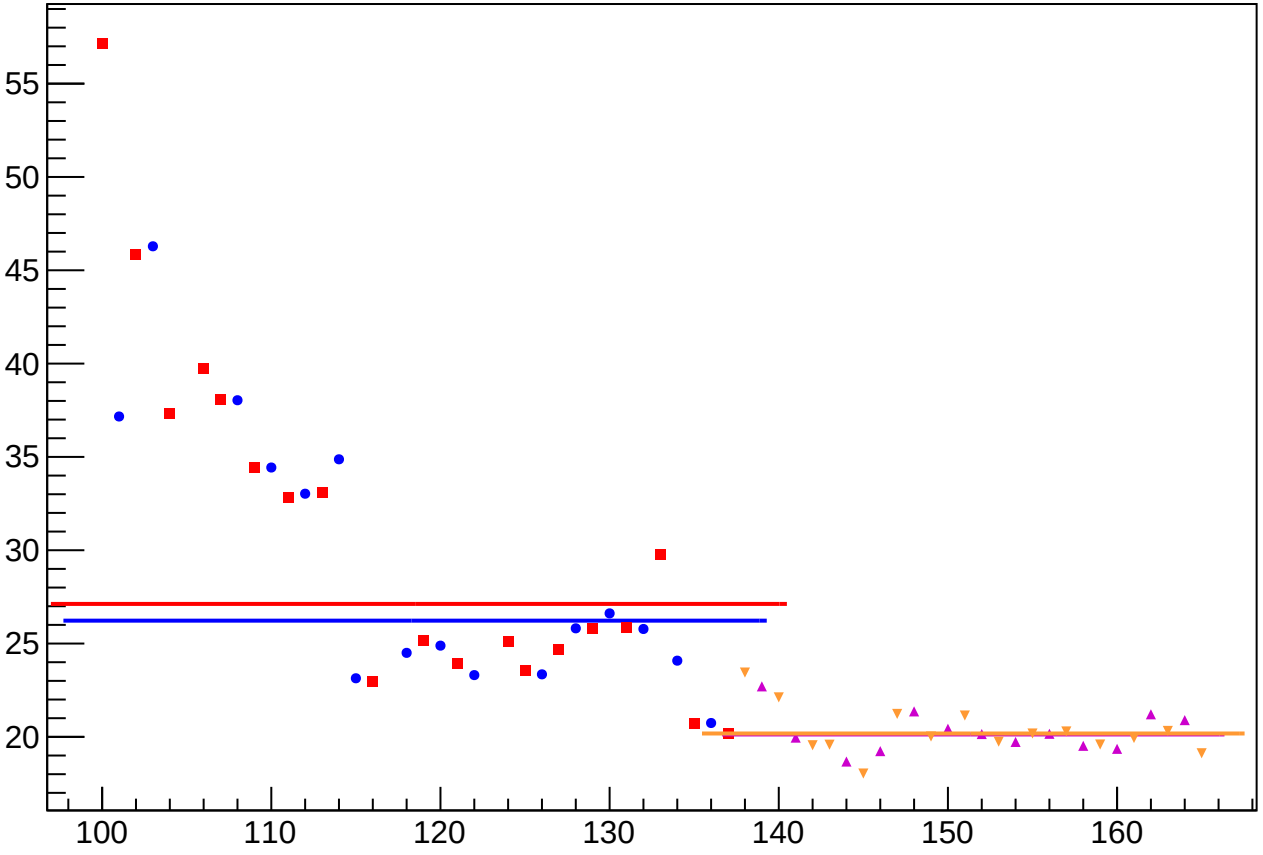
Left In: 11.435+/-6.101 χ^2/NDF:12.2/12

+ sign 5.160+/-5.084 χ^2/NDF: 37.5/30

All: 8.687+/-3.651 χ^2/NDF: 68.7/62

- sign 12.441+/-5.245 χ^2/NDF: 30.3/31

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.181+/-0.004 χ^2/NDF:81948.4/14

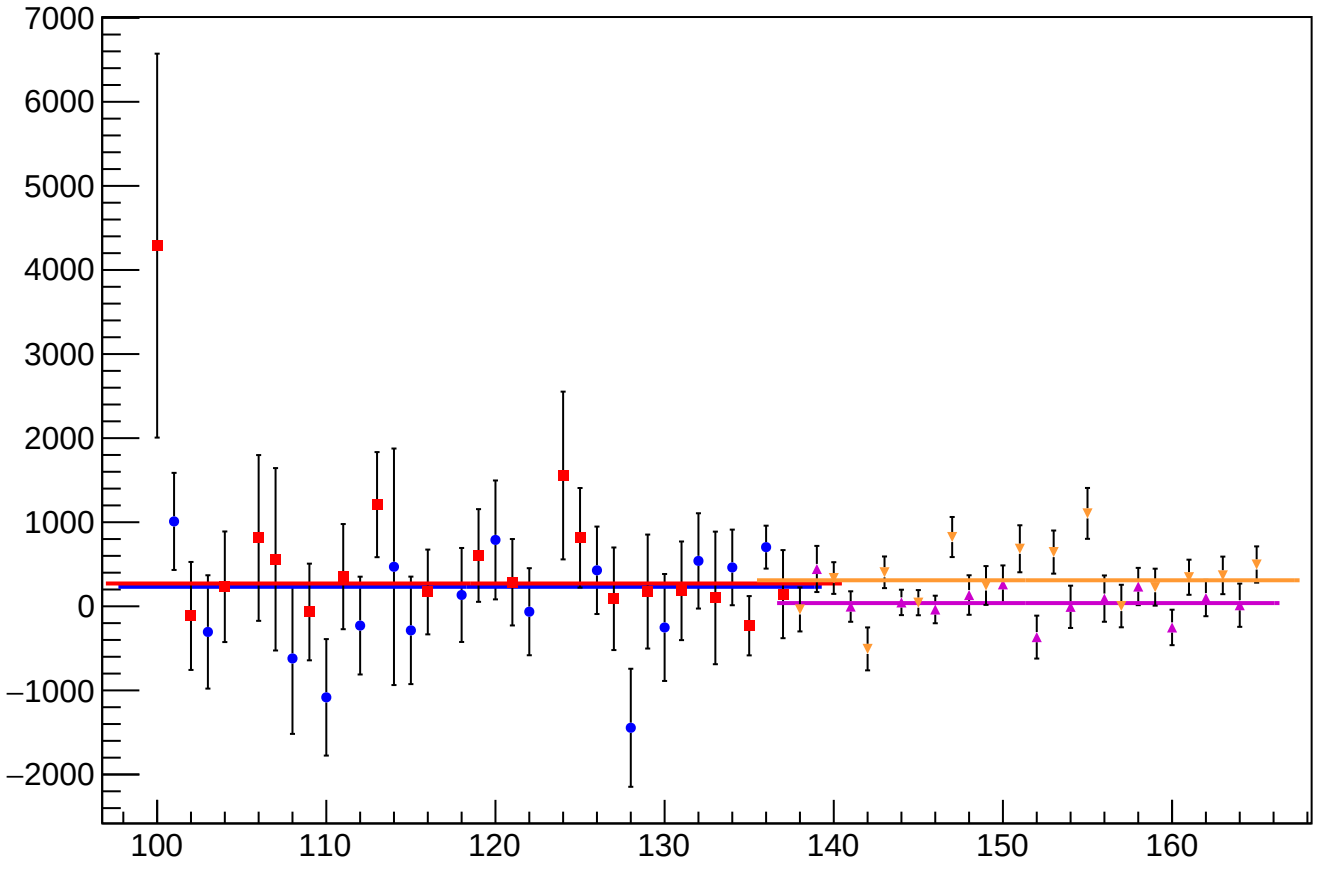
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

+ sign 21.729+/-0.004 χ^2/NDF: 1296794.5/30

All: 21.837+/-0.003 χ^2/NDF: 2783579.0/62

- sign 21.953+/-0.004 χ^2/NDF: 1484892.2/31



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 309.644+/-57.077 χ^2/NDF:33.0/14

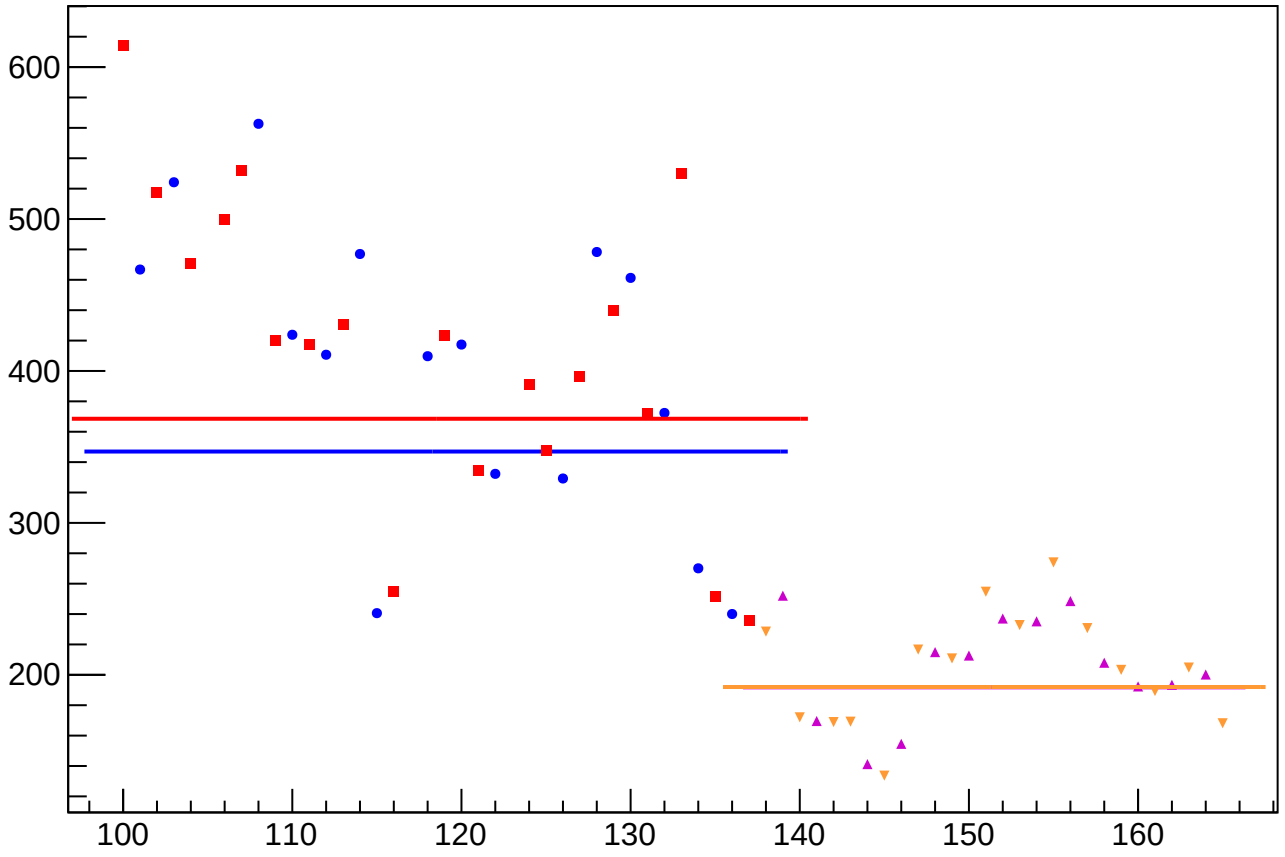
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 38.364+/-59.088 χ^2/NDF:9.0/12

+ sign 297.863+/-52.563 χ^2/NDF: 52.9/30

All: 189.645+/-37.817 χ^2/NDF: 84.6/62

- sign 73.523+/-54.449 χ^2/NDF: 22.9/31



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 191.980+/-0.040 χ^2/NDF:826732.1/14

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

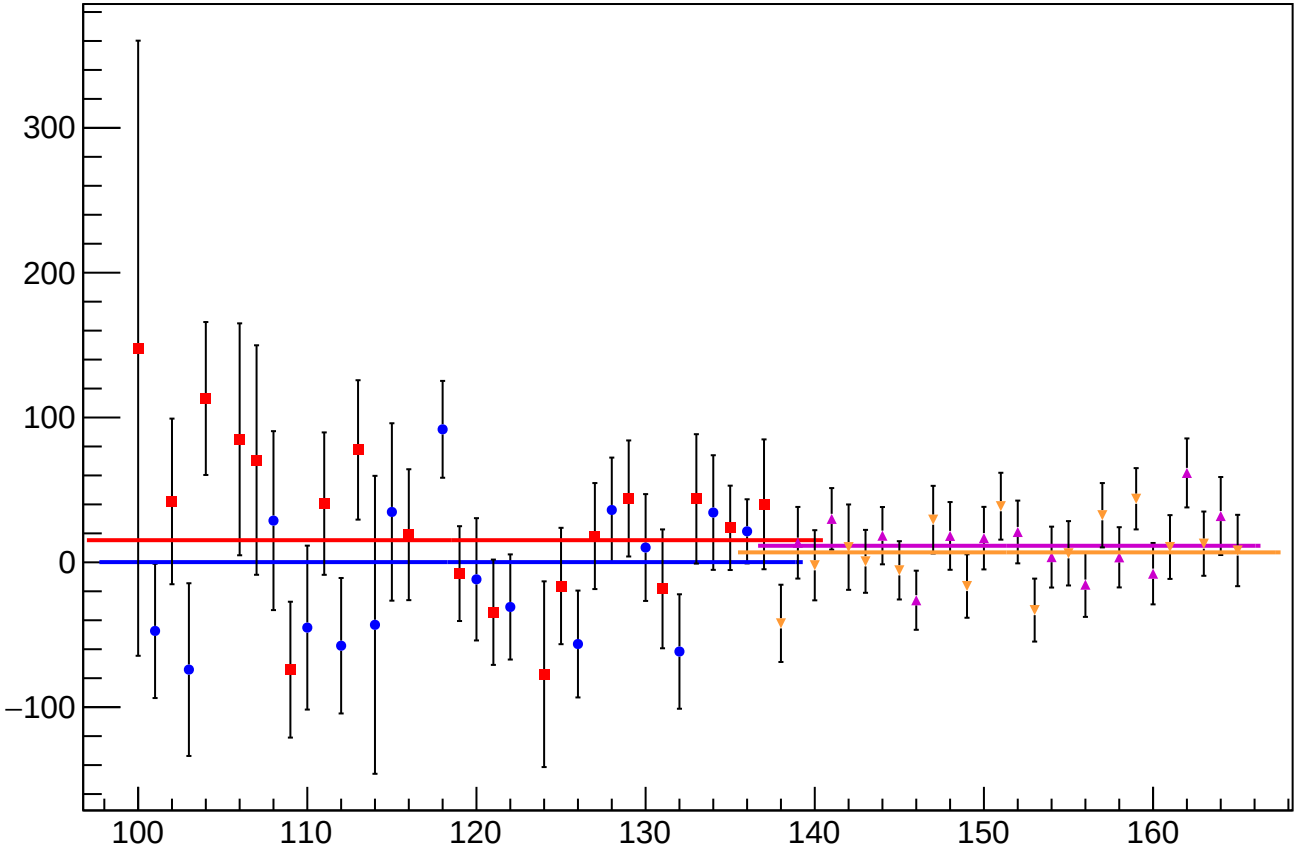
Left In: 191.759+/-0.042 χ^2/NDF:710814.8/12

+ sign 215.521+/-0.037 χ^2/NDF: 4124784.2/30

All: 216.925+/-0.027 χ^2/NDF: 8439638.6/62

- sign 218.430+/-0.039 χ^2/NDF: 4311900.0/31

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.881+/-5.894 χ^2/NDF:15.8/14

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

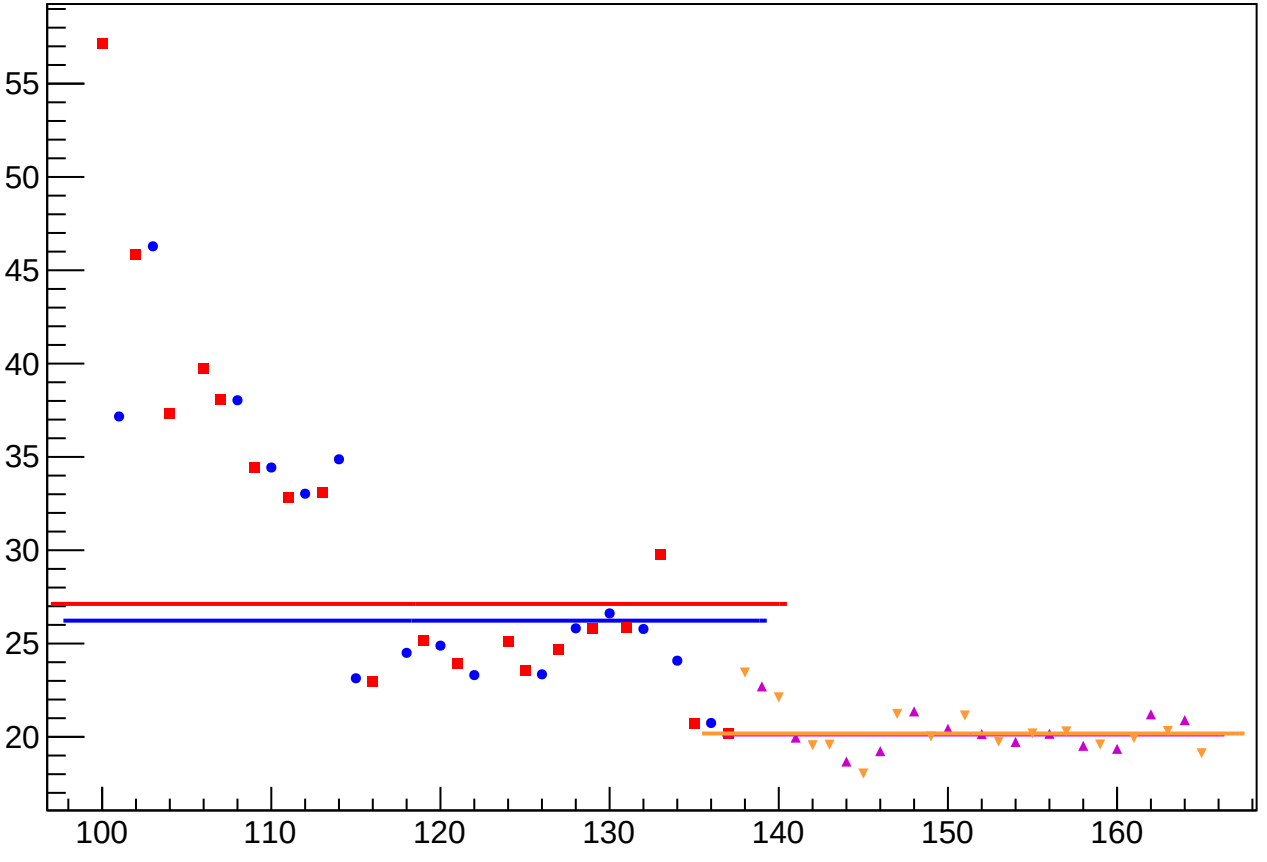
Left In: 11.435+/-6.101 χ^2/NDF:12.2/12

+ sign 5.160+/-5.084 χ^2/NDF: 37.5/30

All: 8.687+/-3.651 χ^2/NDF: 68.7/62

- sign 12.441+/-5.245 χ^2/NDF: 30.3/31

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.181+/-0.004 χ^2/NDF:81948.4/14

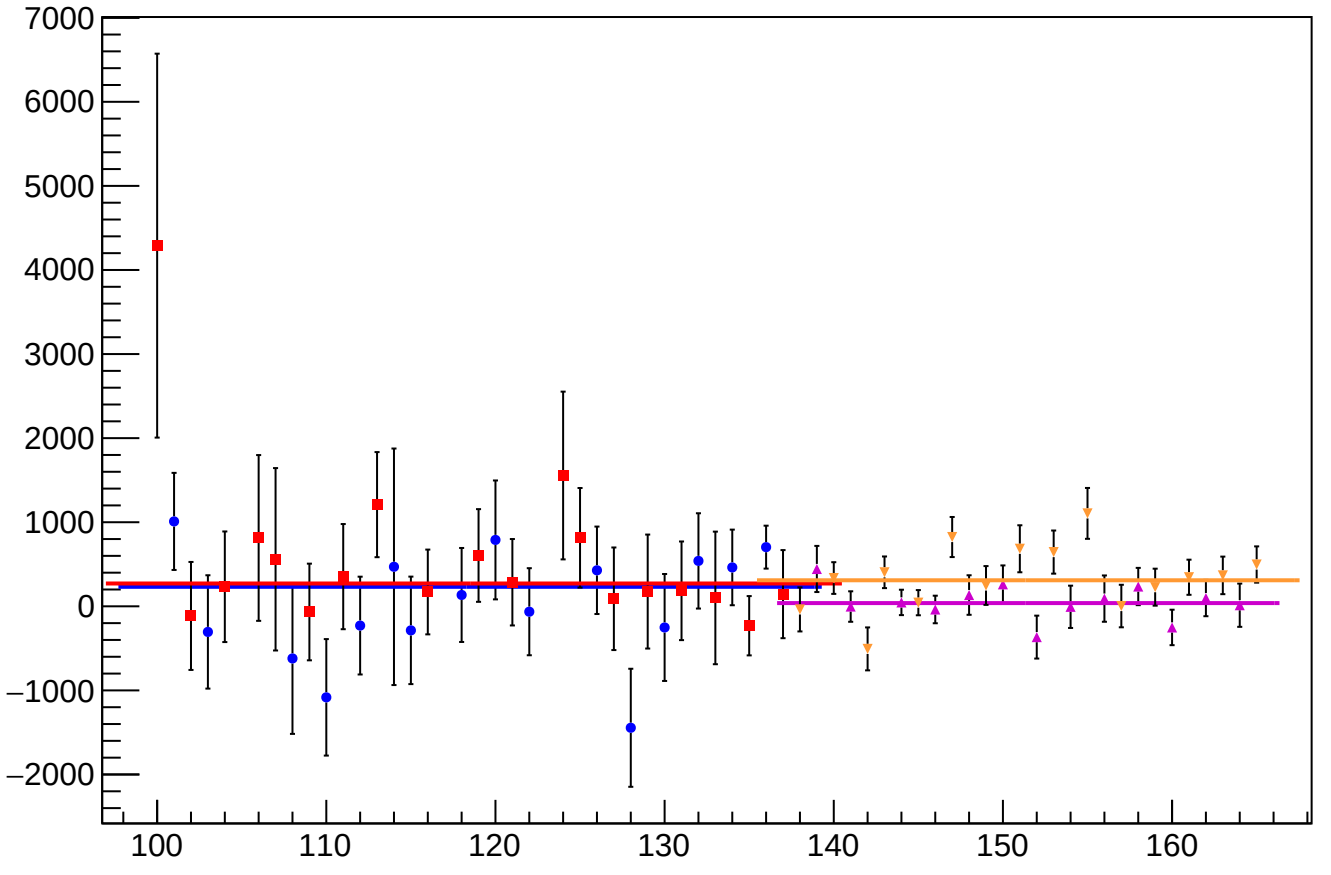
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

+ sign 21.729+/-0.004 χ^2/NDF: 1296794.5/30

All: 21.837+/-0.003 χ^2/NDF: 2783579.0/62

- sign 21.953+/-0.004 χ^2/NDF: 1484892.2/31



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 309.644+/-57.077 χ^2/NDF:33.0/14

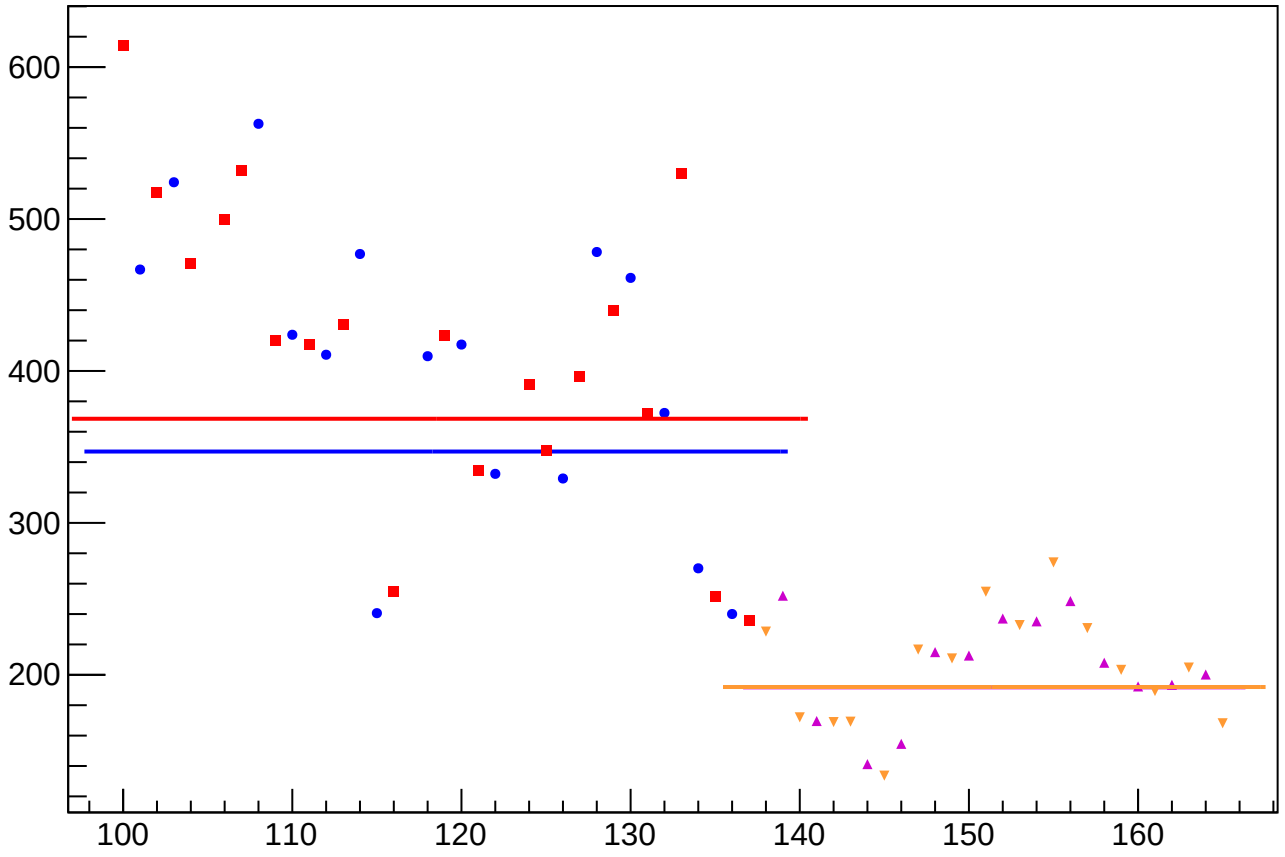
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 38.364+/-59.088 χ^2/NDF:9.0/12

+ sign 297.863+/-52.563 χ^2/NDF: 52.9/30

All: 189.645+/-37.817 χ^2/NDF: 84.6/62

- sign 73.523+/-54.449 χ^2/NDF: 22.9/31



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 191.980+/-0.040 χ^2/NDF:826732.1/14

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

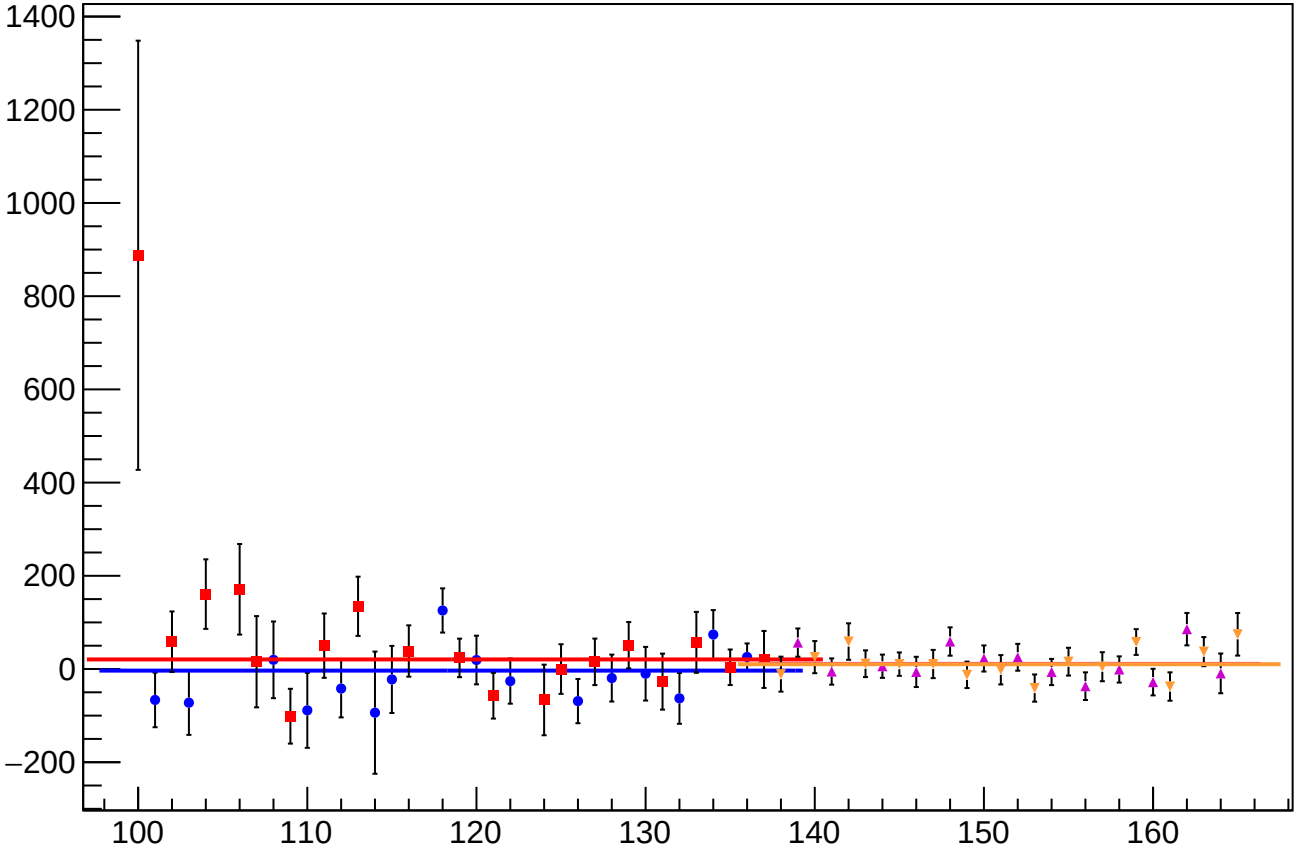
Left In: 191.759+/-0.042 χ^2/NDF:710814.8/12

+ sign 215.521+/-0.037 χ^2/NDF: 4124784.2/30

All: 216.925+/-0.027 χ^2/NDF: 8439638.6/62

- sign 218.430+/-0.039 χ^2/NDF: 4311900.0/31

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 10.315+/-8.015 χ^2/NDF:14.1/14

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

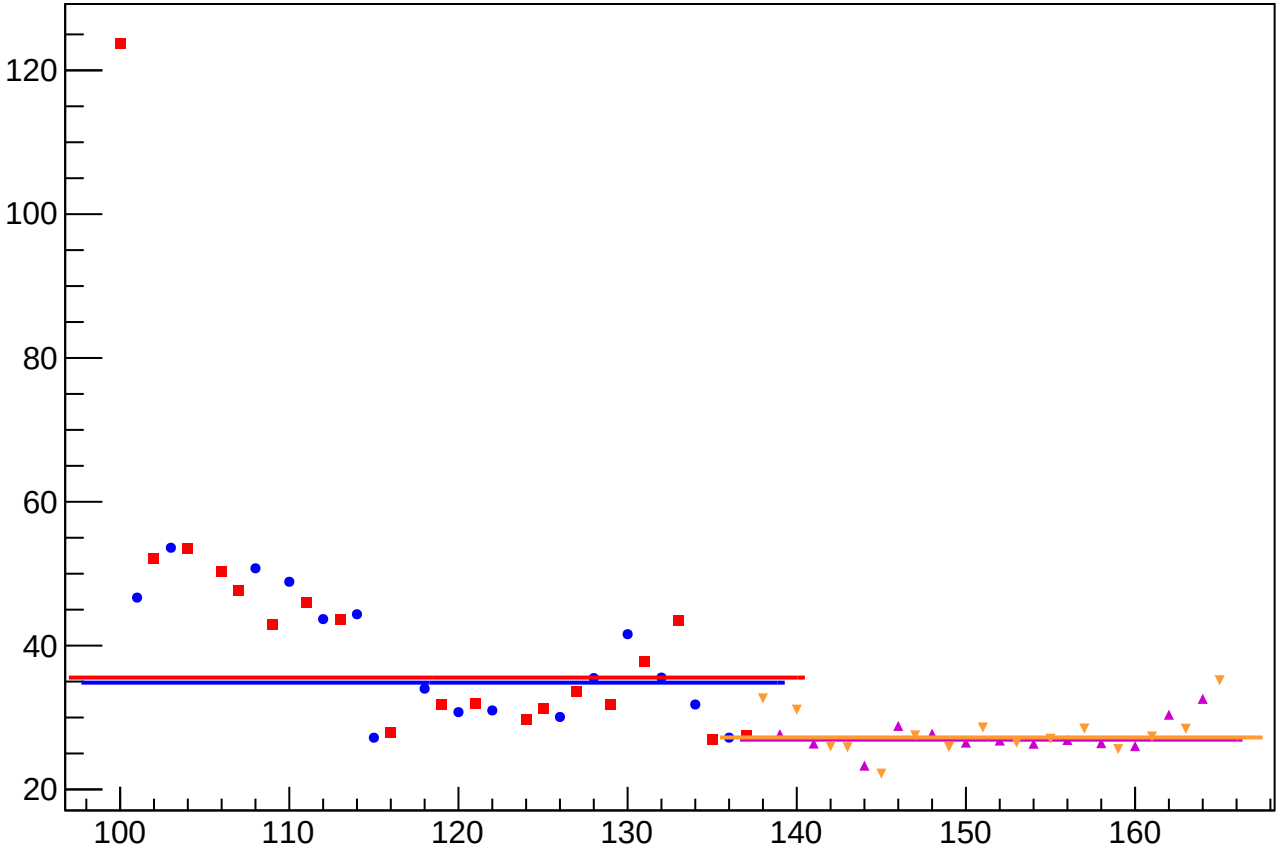
Left In: 10.958+/-8.239 χ^2/NDF:15.7/12

+ sign 6.692+/-6.877 χ^2/NDF: 33.4/30

All: 10.058+/-4.916 χ^2/NDF: 73.1/62

- sign 13.573+/-7.029 χ^2/NDF: 39.2/31

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 27.226+/-0.006 χ^2/NDF:237279.0/14

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

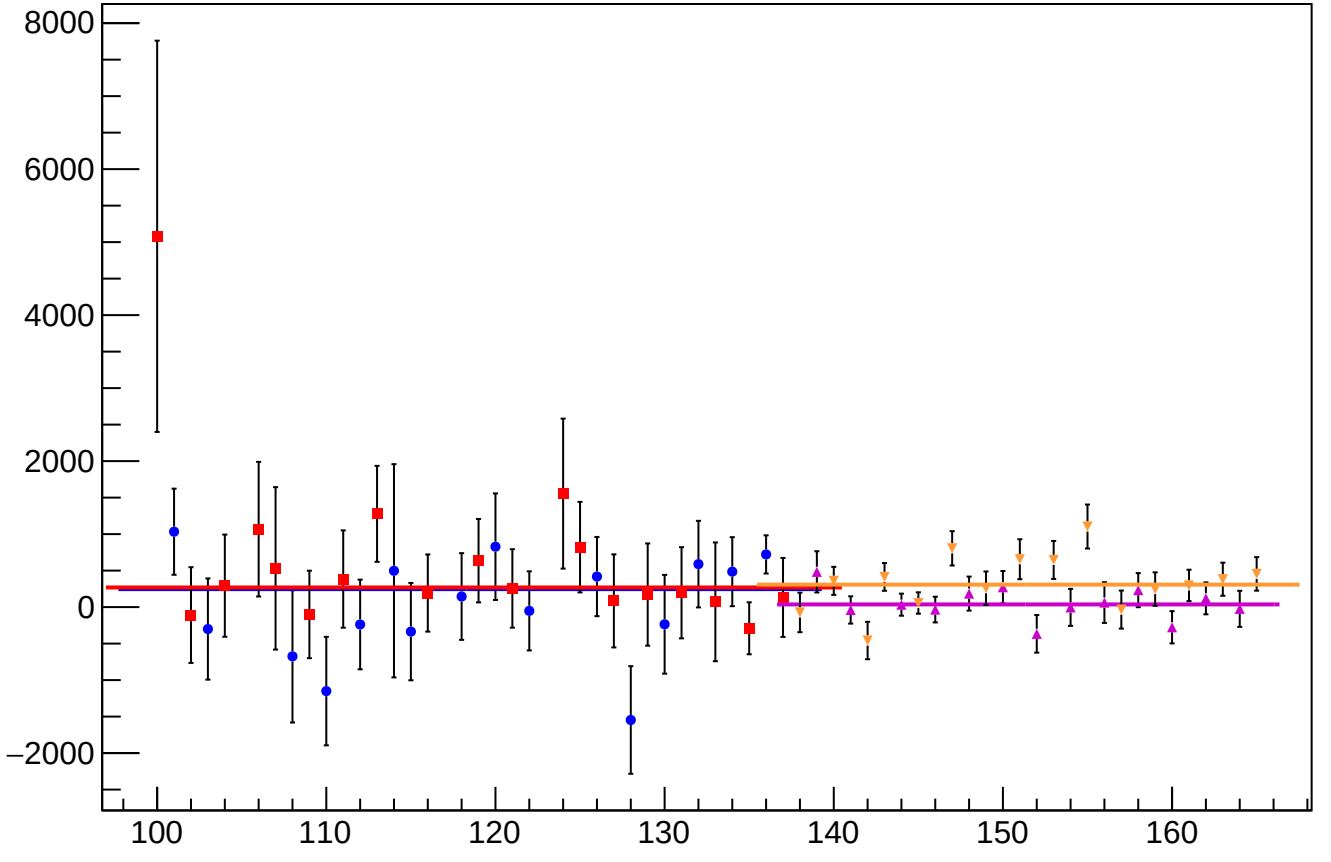
Left In: 26.920+/-0.006 χ^2/NDF:111515.7/12

+ sign 29.237+/-0.005 χ^2/NDF: 1372693.3/30

All: 29.252+/-0.003 χ^2/NDF: 2861707.2/62

- sign 29.269+/-0.005 χ^2/NDF: 1488992.4/31

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 307.821+/-57.701 χ^2/NDF:31.4/14

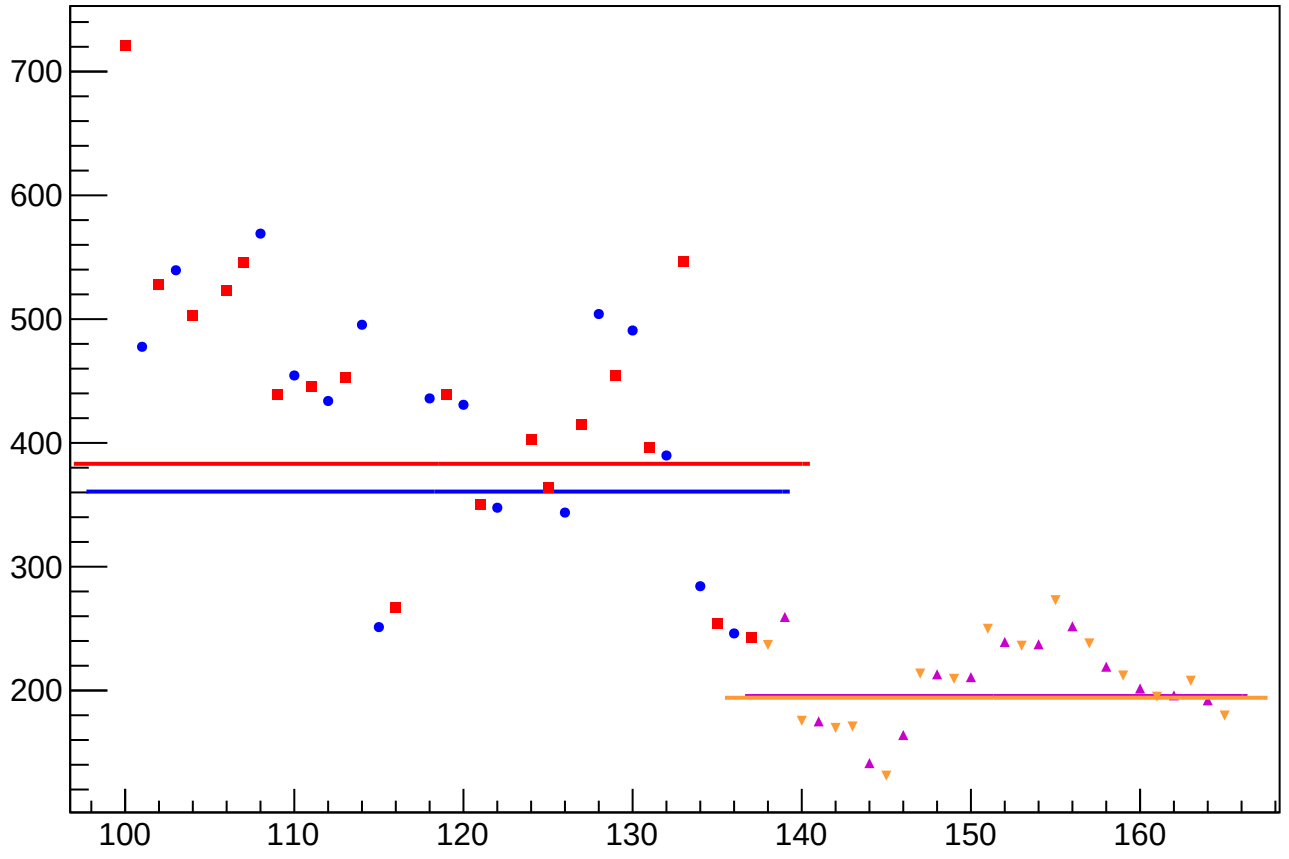
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 36.663+/-60.255 χ^2/NDF:9.7/12

+ sign 298.948+/-53.363 χ^2/NDF: 51.3/30

All: 189.650+/-38.519 χ^2/NDF: 84.6/62

- sign 70.744+/-55.659 χ^2/NDF: 24.6/31



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 194.136+/-0.041 χ^2/NDF:865013.7/14

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

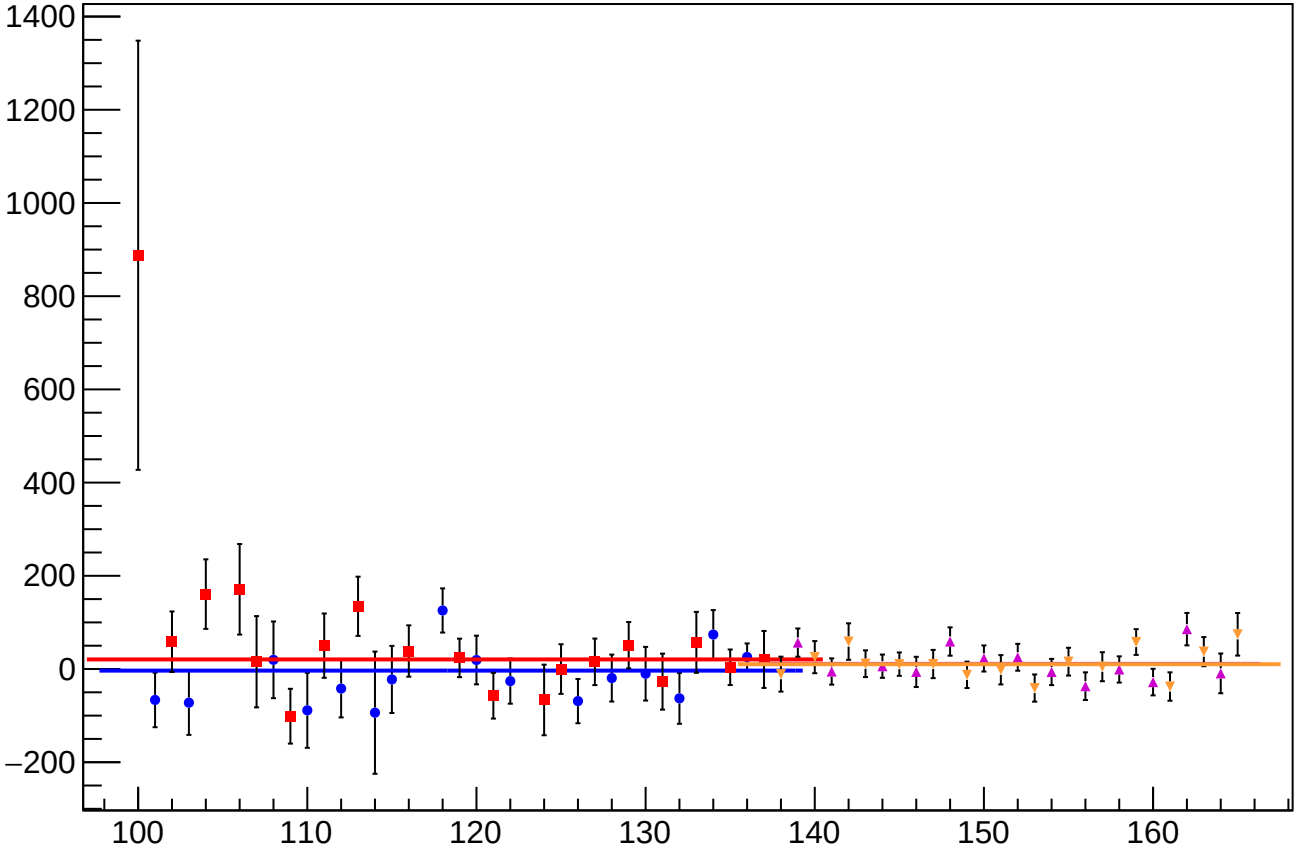
Left In: 195.542+/-0.043 χ^2/NDF:684738.2/12

+ sign 218.239+/-0.038 χ^2/NDF: 4369368.4/30

All: 220.553+/-0.027 χ^2/NDF: 8869689.5/62

- sign 223.070+/-0.039 χ^2/NDF: 4492471.1/31

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 10.315+/-8.015 χ^2/NDF:14.1/14

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

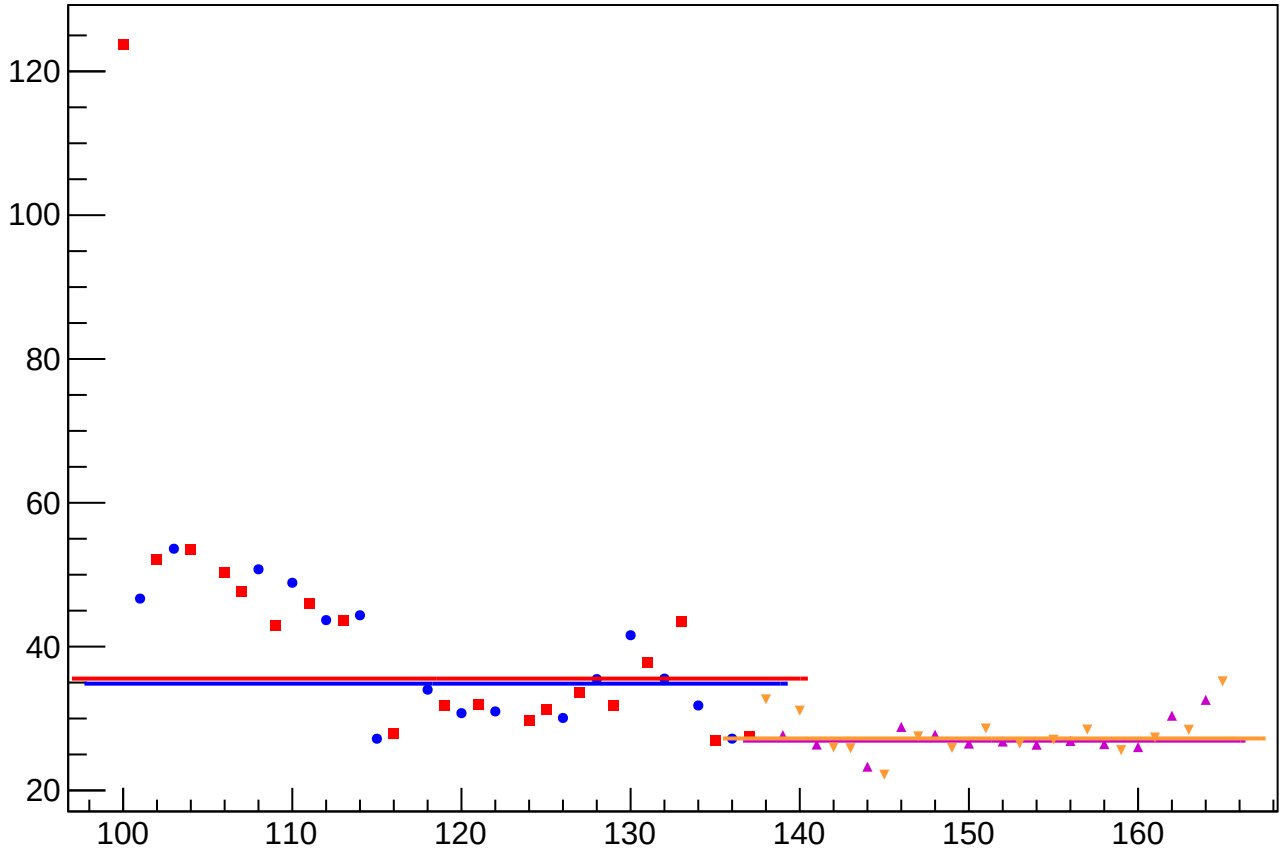
Left In: 10.958+/-8.239 χ^2/NDF:15.7/12

+ sign 6.692+/-6.877 χ^2/NDF: 33.4/30

All: 10.057+/-4.916 χ^2/NDF: 73.1/62

- sign 13.573+/-7.029 χ^2/NDF: 39.2/31

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 27.226+/-0.006 χ^2/NDF:237268.8/14

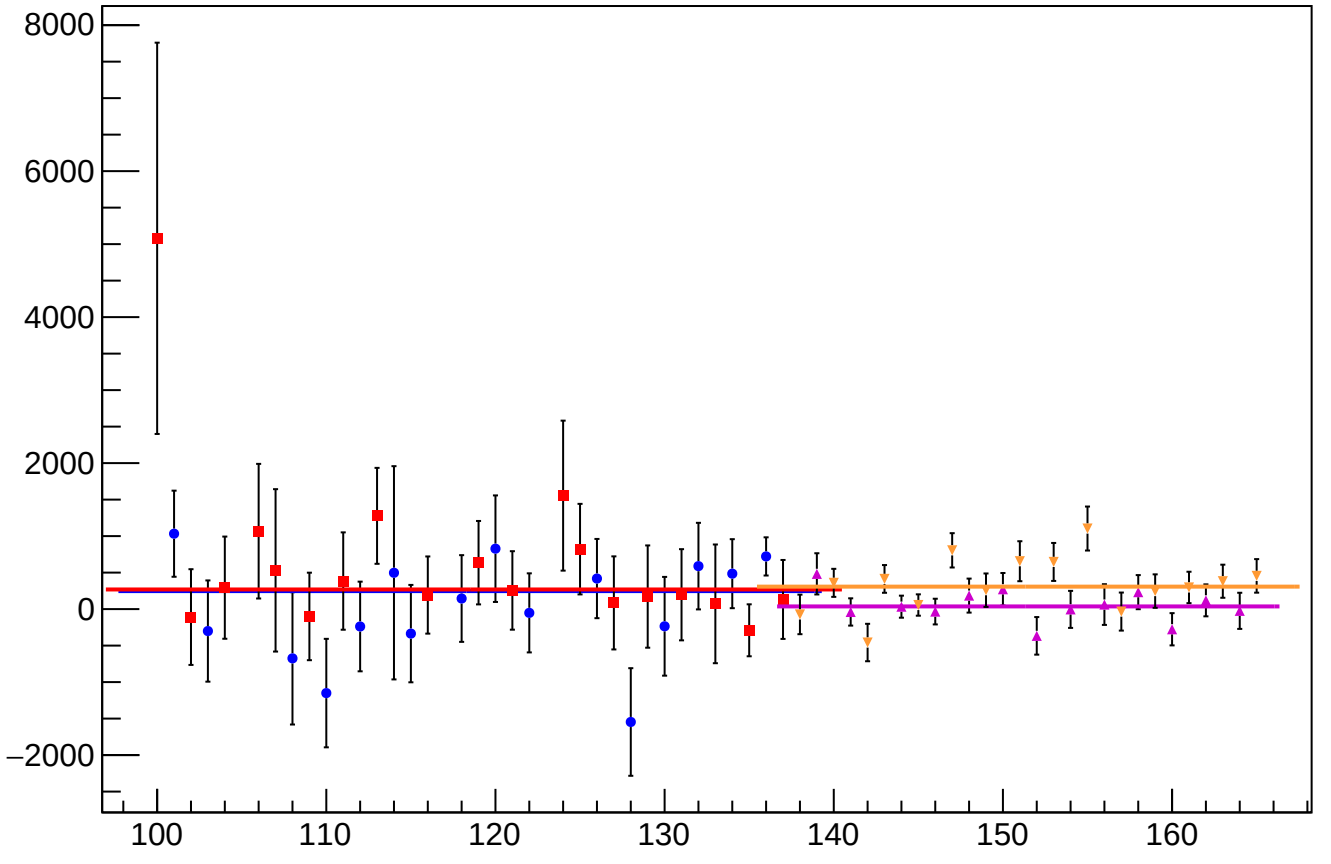
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.920+/-0.006 χ^2/NDF:111515.7/12

+ sign 29.237+/-0.005 χ^2/NDF: 1372567.6/30

All: 29.252+/-0.003 χ^2/NDF: 2861498.4/62

- sign 29.269+/-0.005 χ^2/NDF: 1488909.3/31



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 307.820+/-57.701 χ^2/NDF:31.4/14

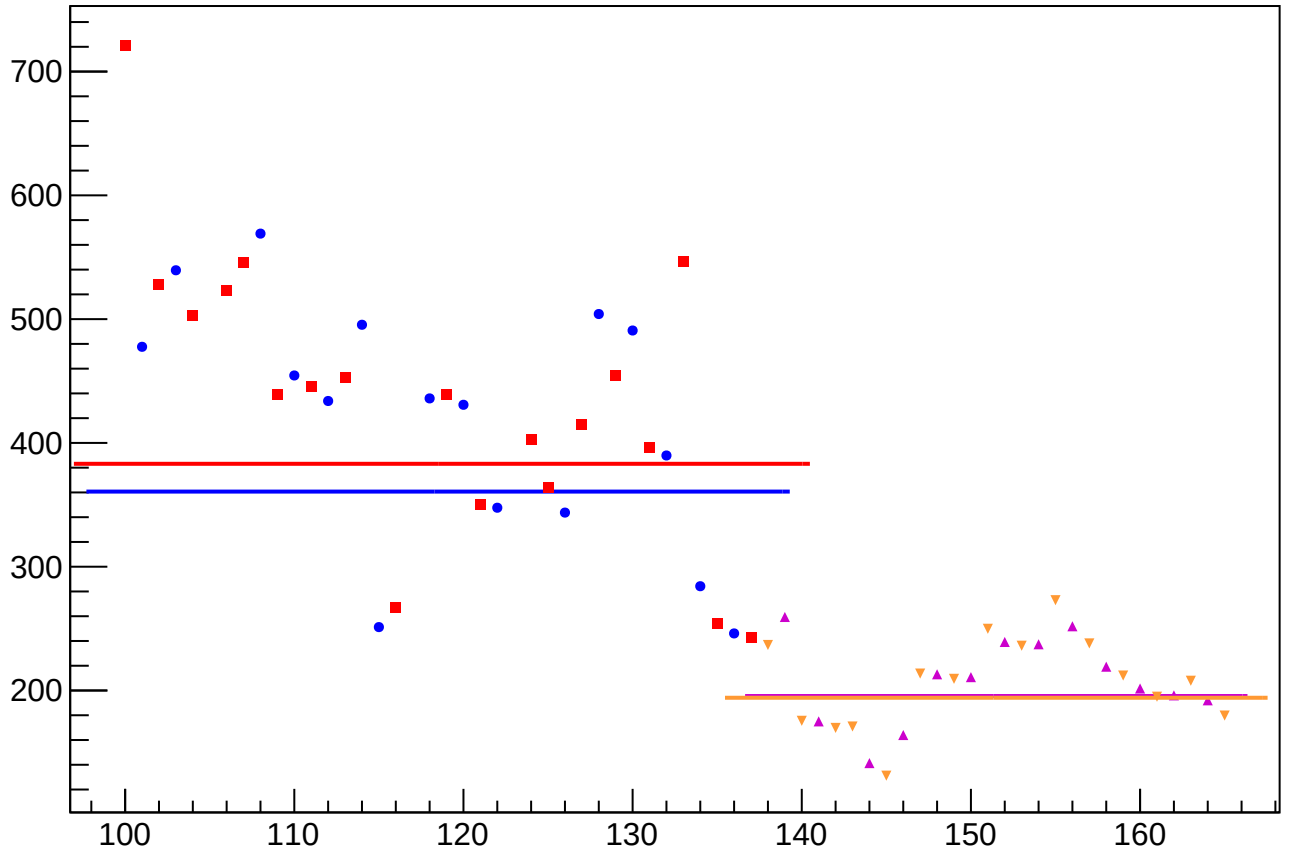
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 36.662+/-60.255 χ^2/NDF:9.7/12

+ sign 298.947+/-53.363 χ^2/NDF: 51.3/30

All: 189.649+/-38.519 χ^2/NDF: 84.6/62

- sign 70.744+/-55.659 χ^2/NDF: 24.6/31



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 194.135+/-0.041 χ^2/NDF:865032.1/14

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

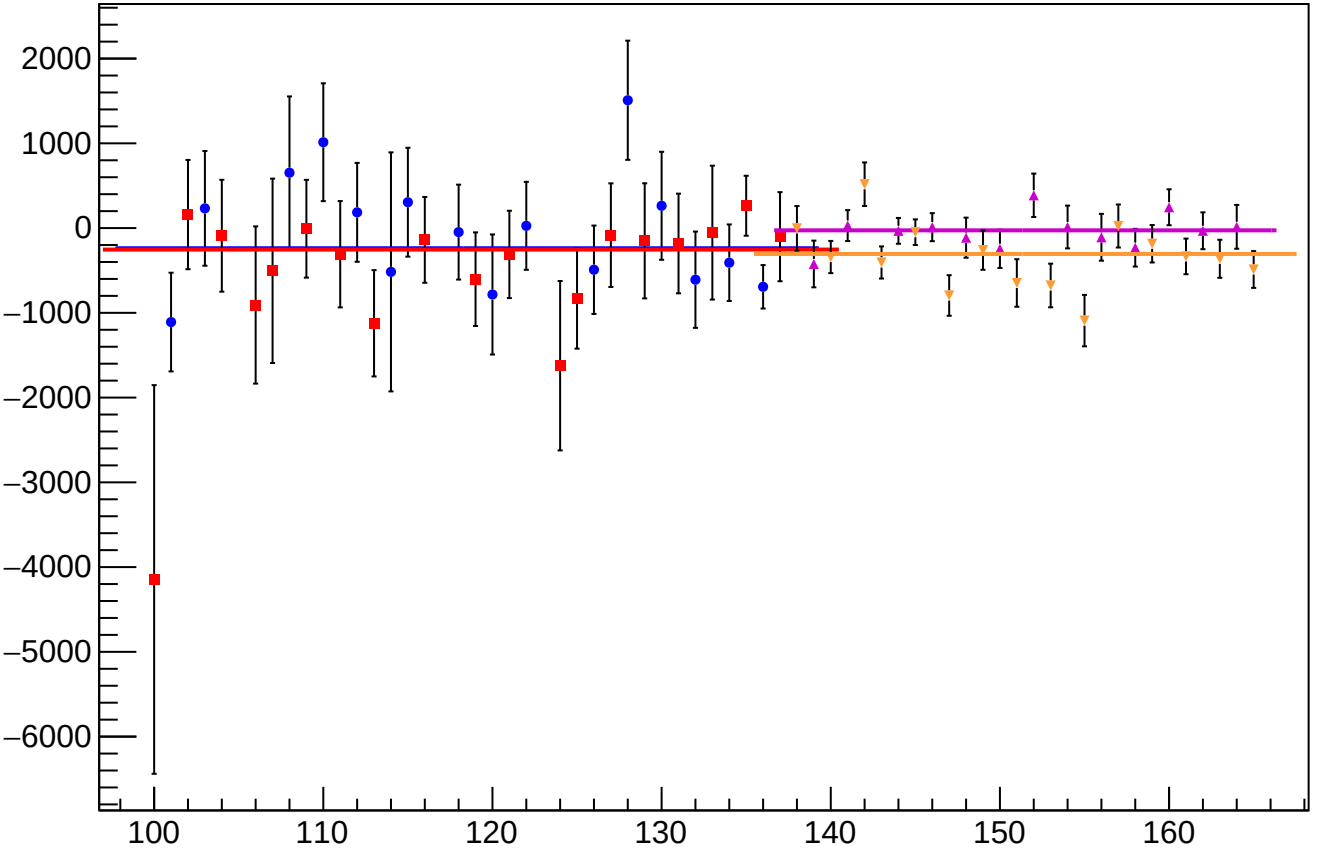
Left In: 195.542+/-0.043 χ^2/NDF:684742.1/12

+ sign 218.239+/-0.038 χ^2/NDF: 4369379.4/30

All: 220.552+/-0.027 χ^2/NDF: 8869697.4/62

- sign 223.070+/-0.039 χ^2/NDF: 4492467.6/31

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -305.512+/-57.422 χ^2/NDF:32.1/14

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

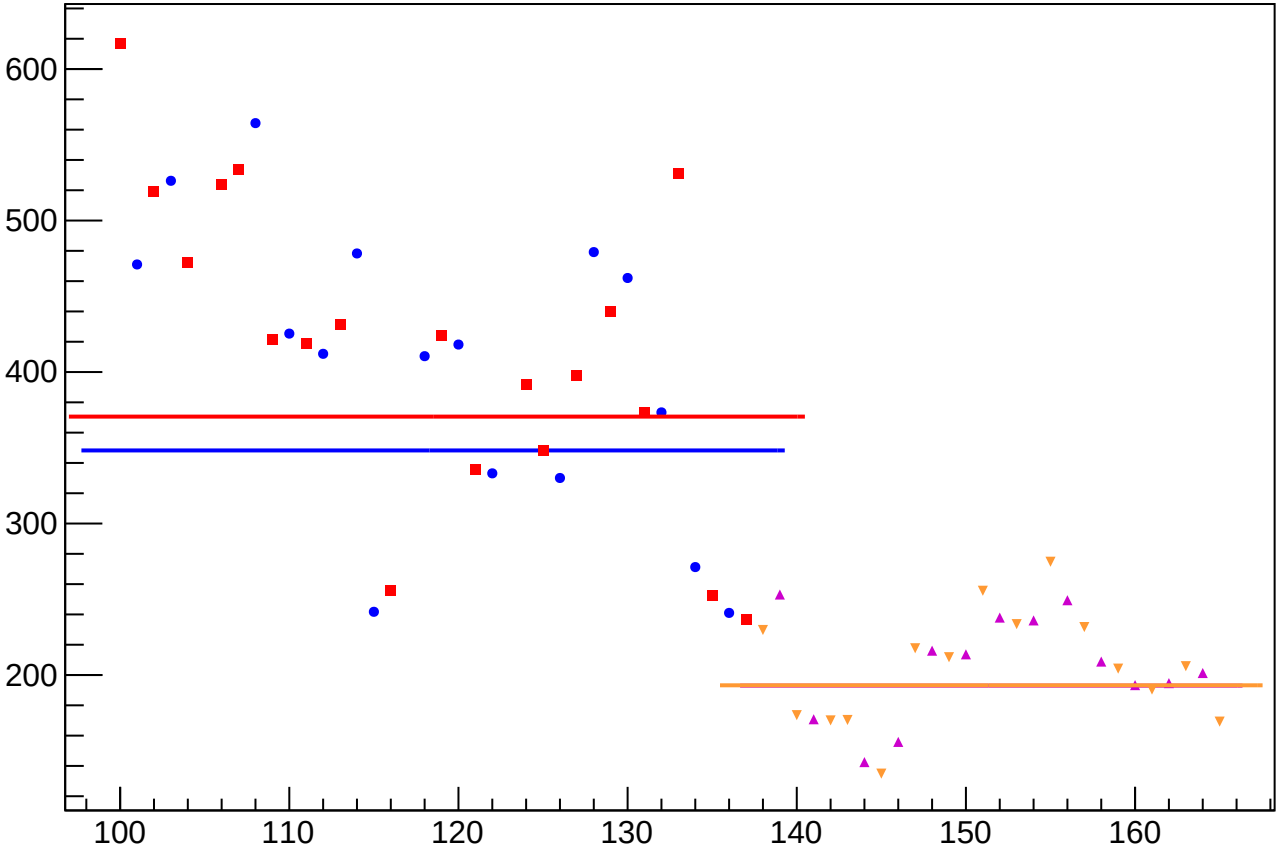
Left In: -26.486+/-59.445 χ^2/NDF:8.5/12

+ sign -295.221+/-52.862 χ^2/NDF: 52.2/30

All: -182.192+/-38.026 χ^2/NDF: 84.1/62

- sign -60.982+/-54.742 χ^2/NDF: 22.4/31

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 193.219+/-0.041 χ^2/NDF:811077.7/14

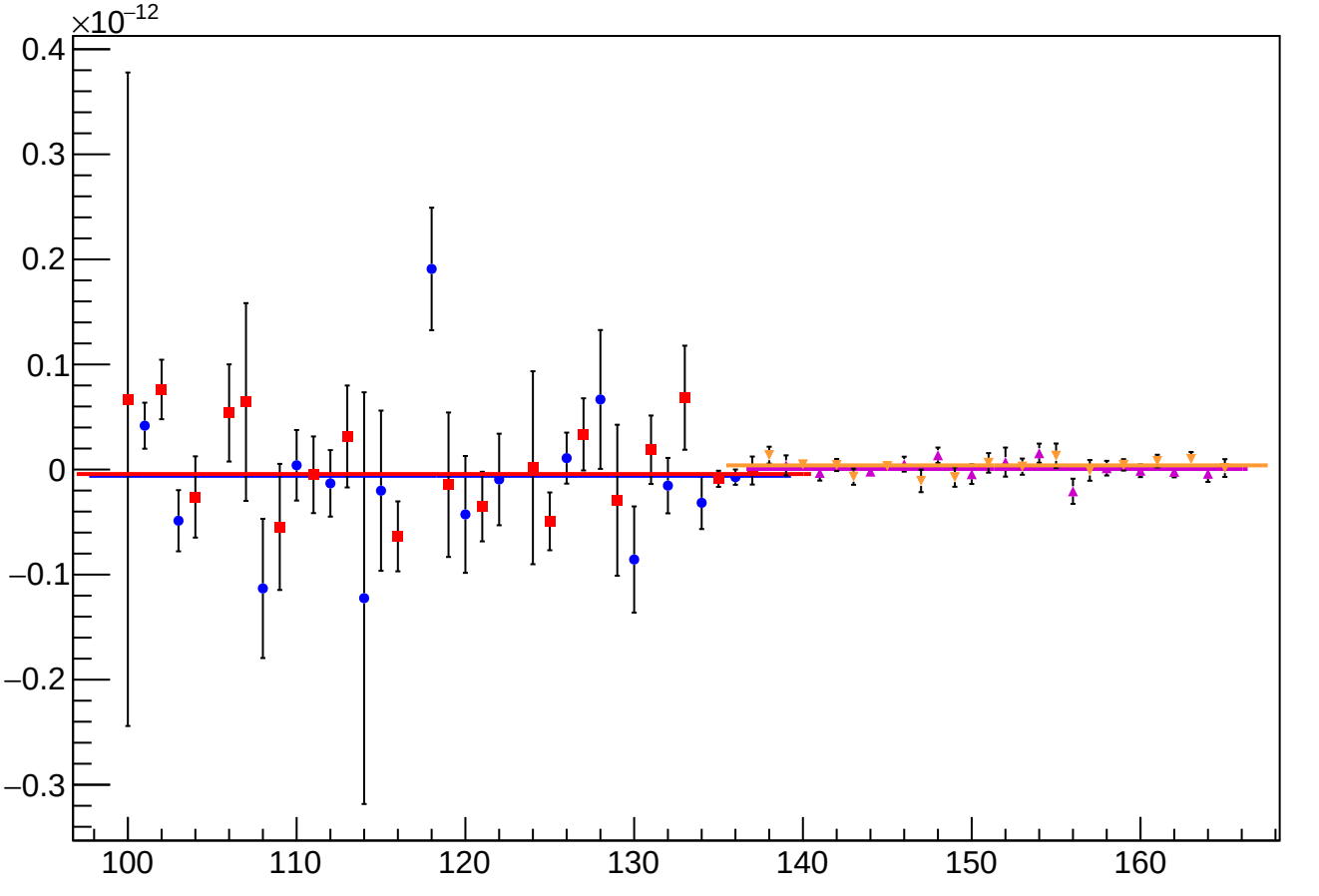
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.990+/-0.042 χ^2/NDF:696601.5/12

+ sign 216.867+/-0.037 χ^2/NDF: 4091679.3/30

All: 218.371+/-0.027 χ^2/NDF: 8422683.9/62

- sign 219.983+/-0.039 χ^2/NDF: 4327652.0/31



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/14

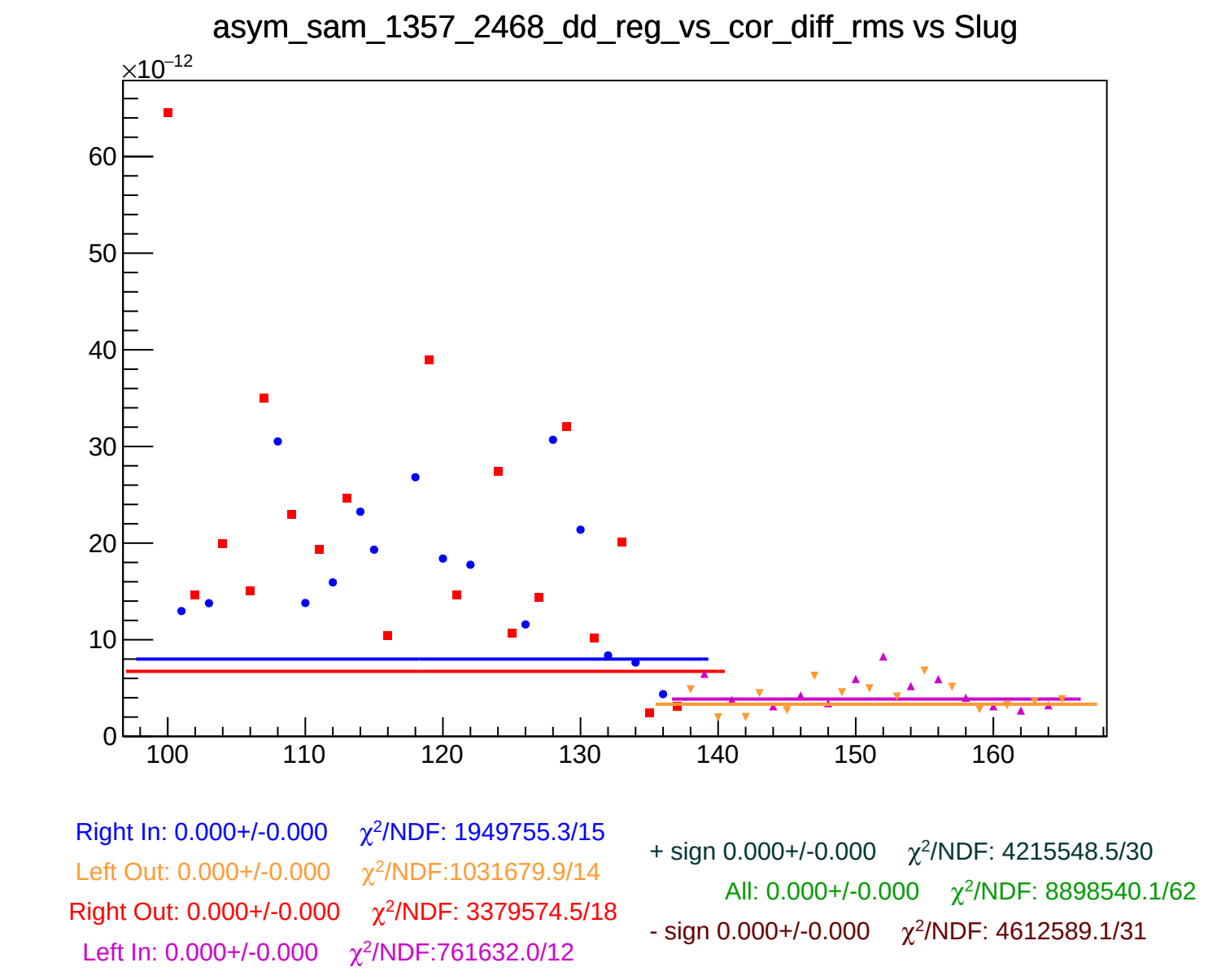
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

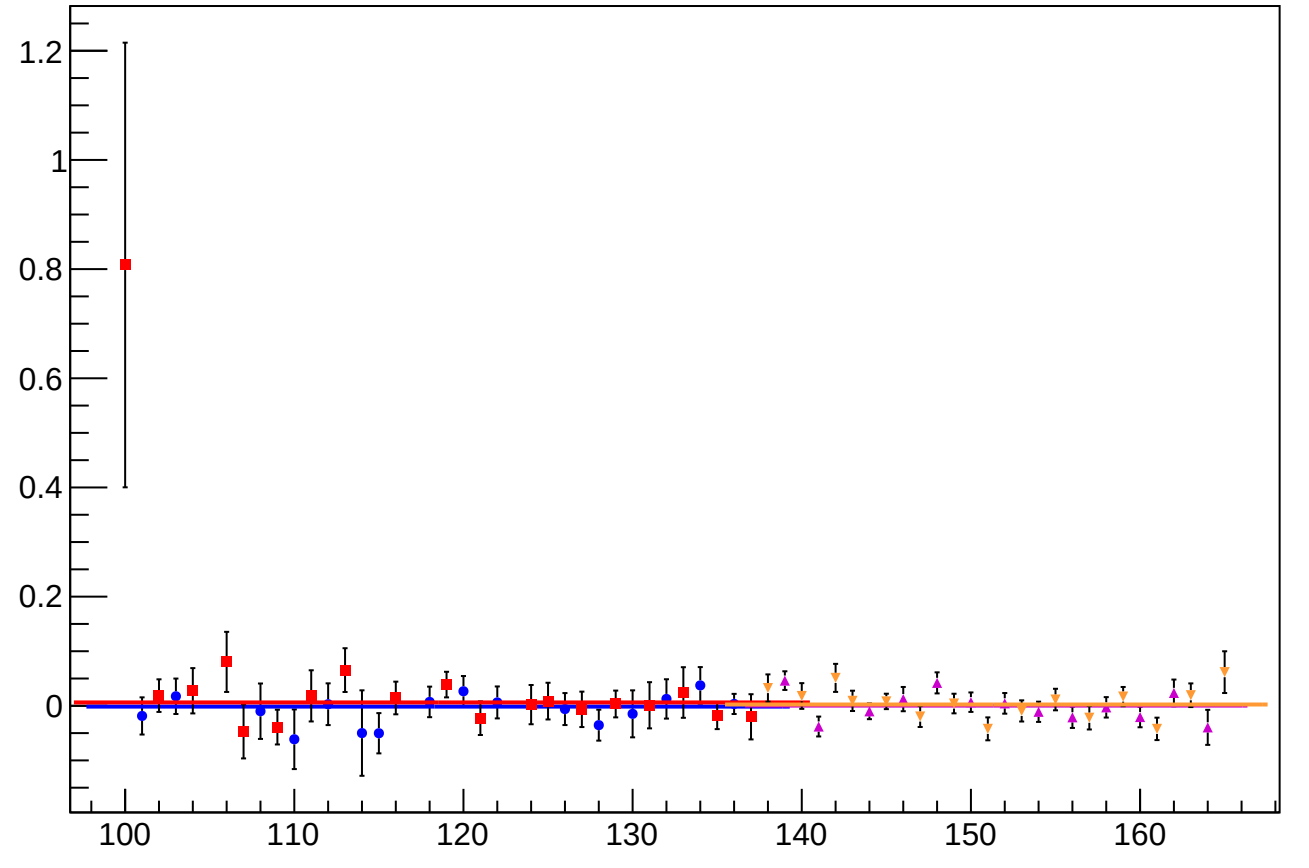
Left In: 0.000+/-0.000 χ^2/NDF:11.3/12

+ sign 0.000+/-0.000 χ^2/NDF: 39.3/30

All: 0.000+/-0.000 χ^2/NDF: 75.8/62

- sign -0.000+/-0.000 χ^2/NDF: 35.0/31


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1031679.9/14
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:761632.0/12
+ sign 0.000+/-0.000 χ²/NDF: 4215548.5/30
All: 0.000+/-0.000 χ²/NDF: 8898540.1/62
- sign 0.000+/-0.000 χ²/NDF: 4612589.1/31



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

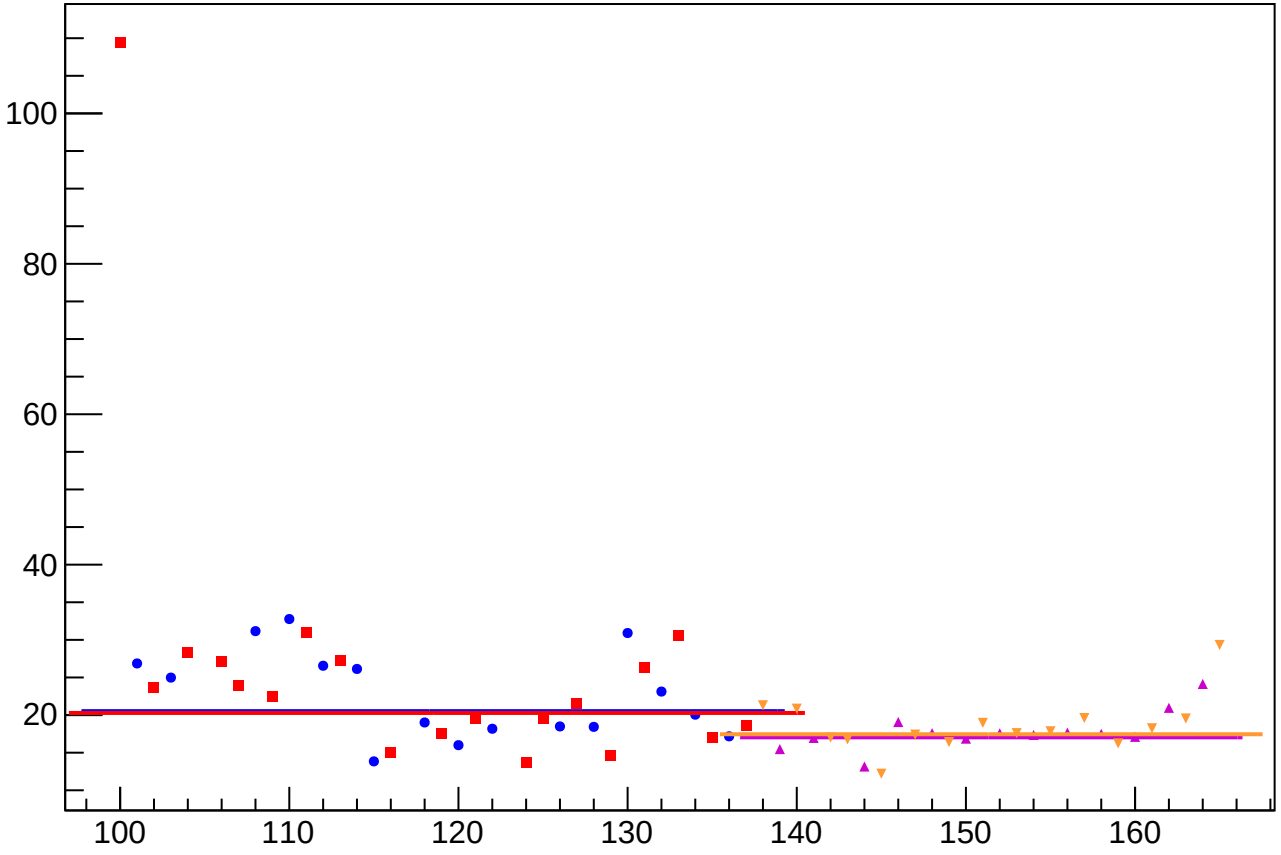
Left In: 0.000+/-0.005 χ^2/NDF:22.5/12

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/30

All: 0.002+/-0.003 χ^2/NDF: 69.5/62

- sign 0.002+/-0.004 χ^2/NDF: 39.1/31

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.450+/-0.004 χ^2/NDF:630497.9/14

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

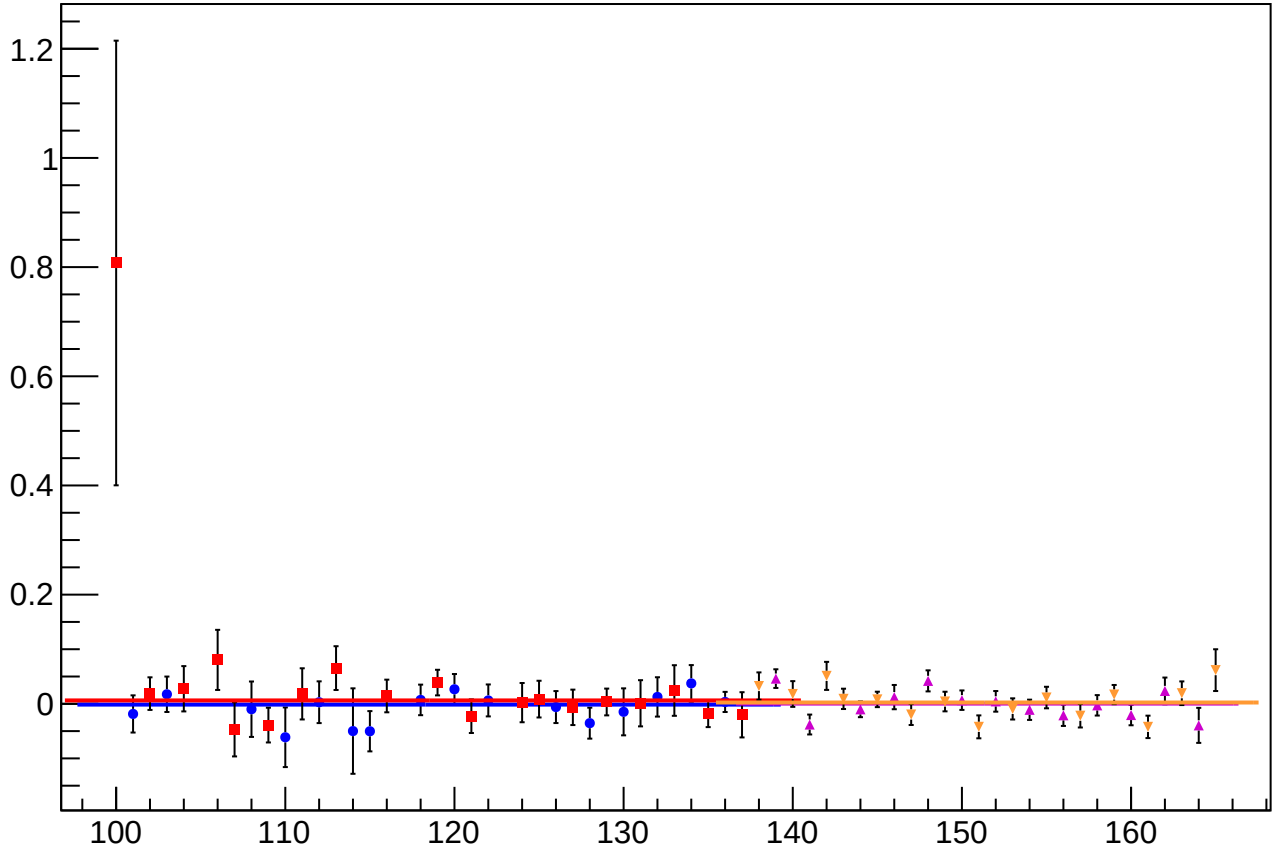
Left In: 17.038+/-0.004 χ^2/NDF:335209.1/12

+ sign 18.358+/-0.003 χ^2/NDF: 1541134.3/30

All: 18.201+/-0.002 χ^2/NDF: 2979346.0/62

- sign 18.044+/-0.003 χ^2/NDF: 1433109.5/31

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: 0.002+/-0.005 χ^2/NDF:21.9/14

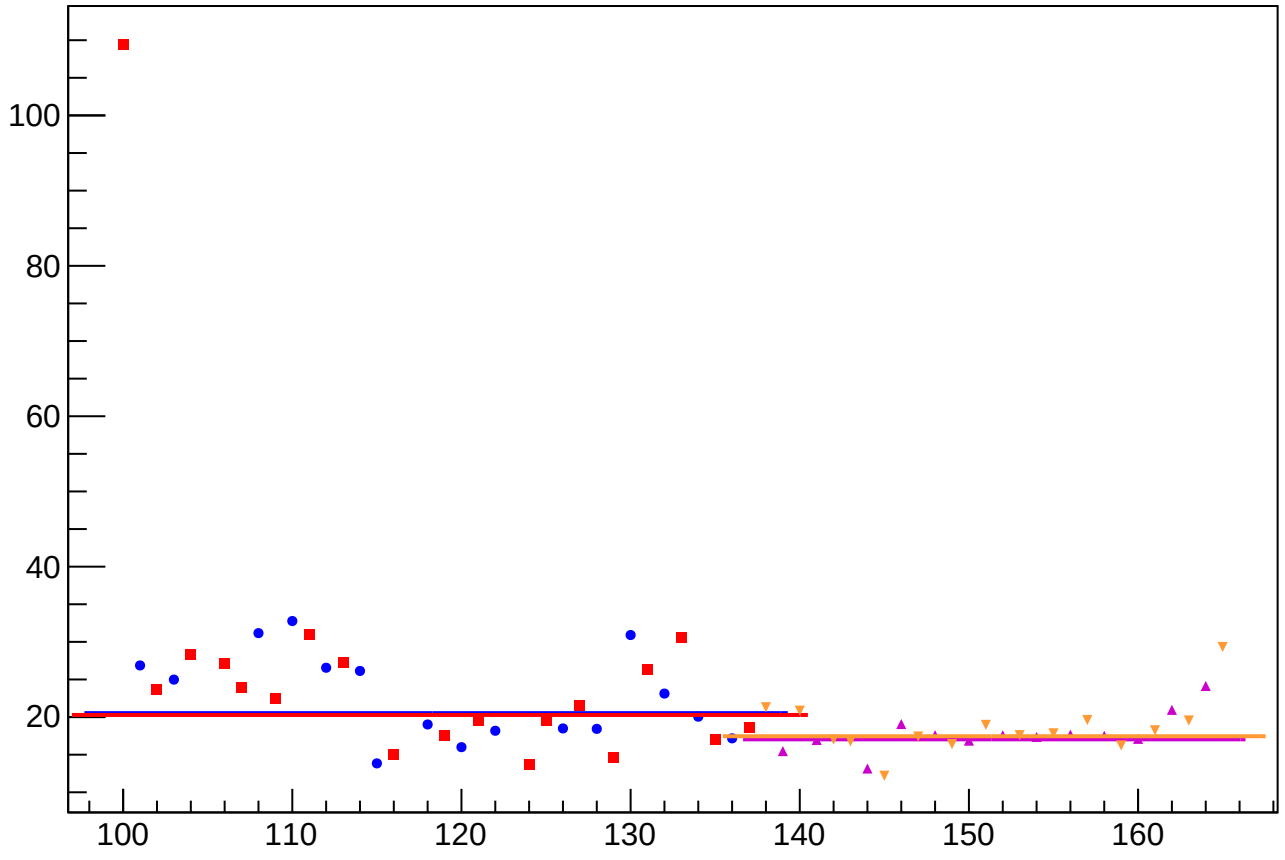
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:22.5/12

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/30

All: 0.002+/-0.003 χ^2/NDF: 69.5/62

- sign 0.002+/-0.004 χ^2/NDF: 39.1/31



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.450+/-0.004 χ^2/NDF:630497.9/14

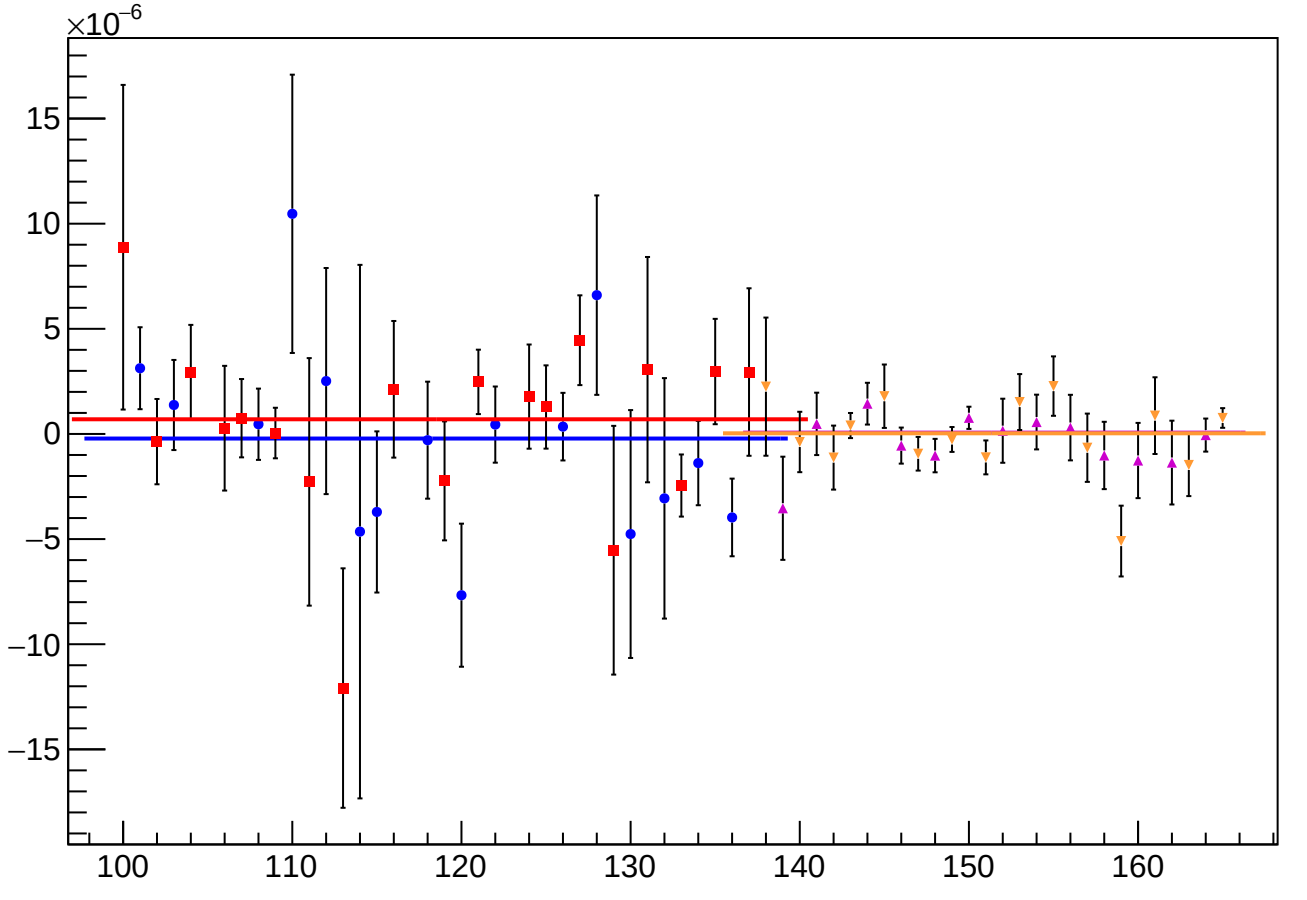
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.038+/-0.004 χ^2/NDF:335209.1/12

+ sign 18.358+/-0.003 χ^2/NDF: 1541134.3/30

All: 18.201+/-0.002 χ^2/NDF: 2979346.0/62

- sign 18.044+/-0.003 χ^2/NDF: 1433109.5/31



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/14

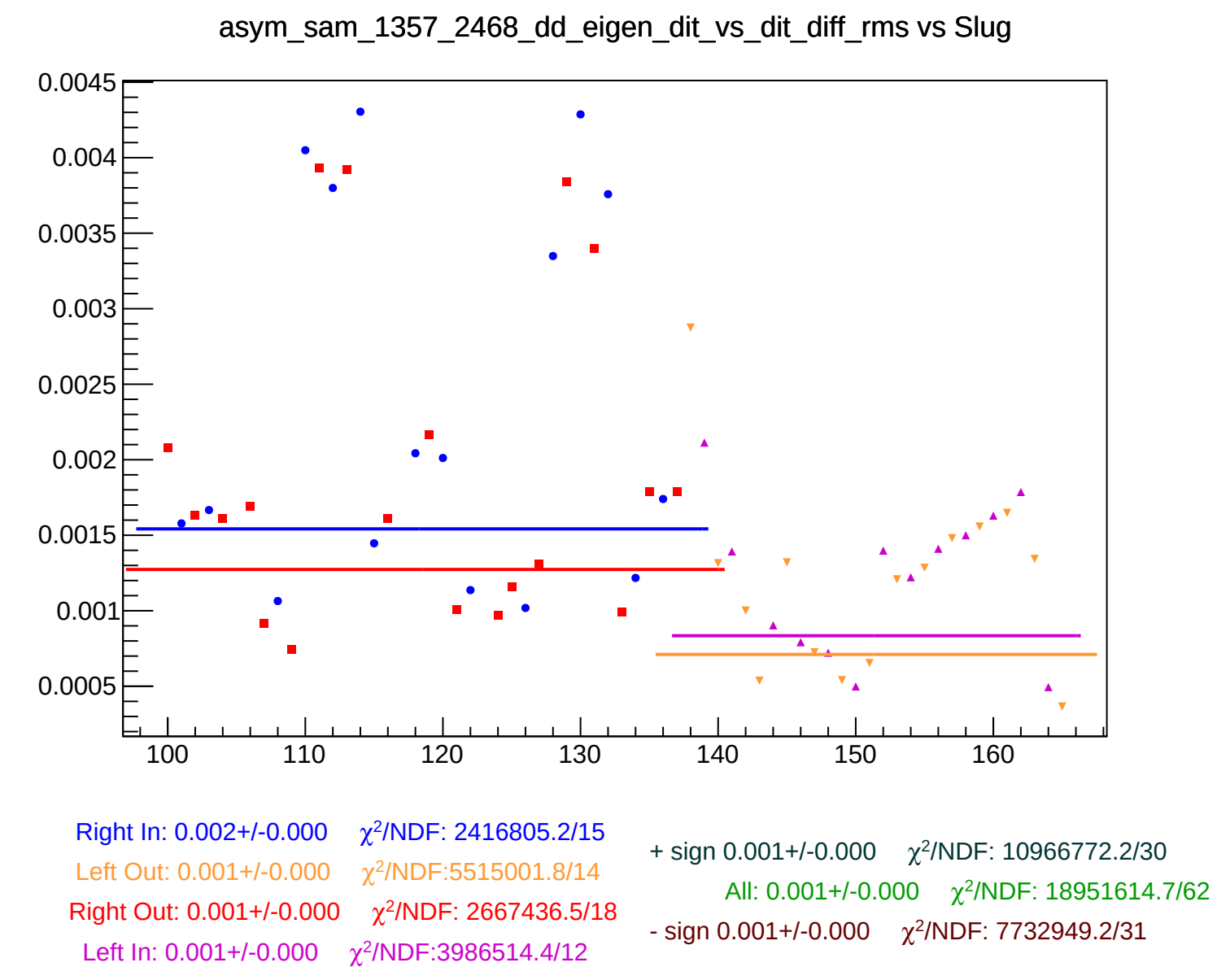
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

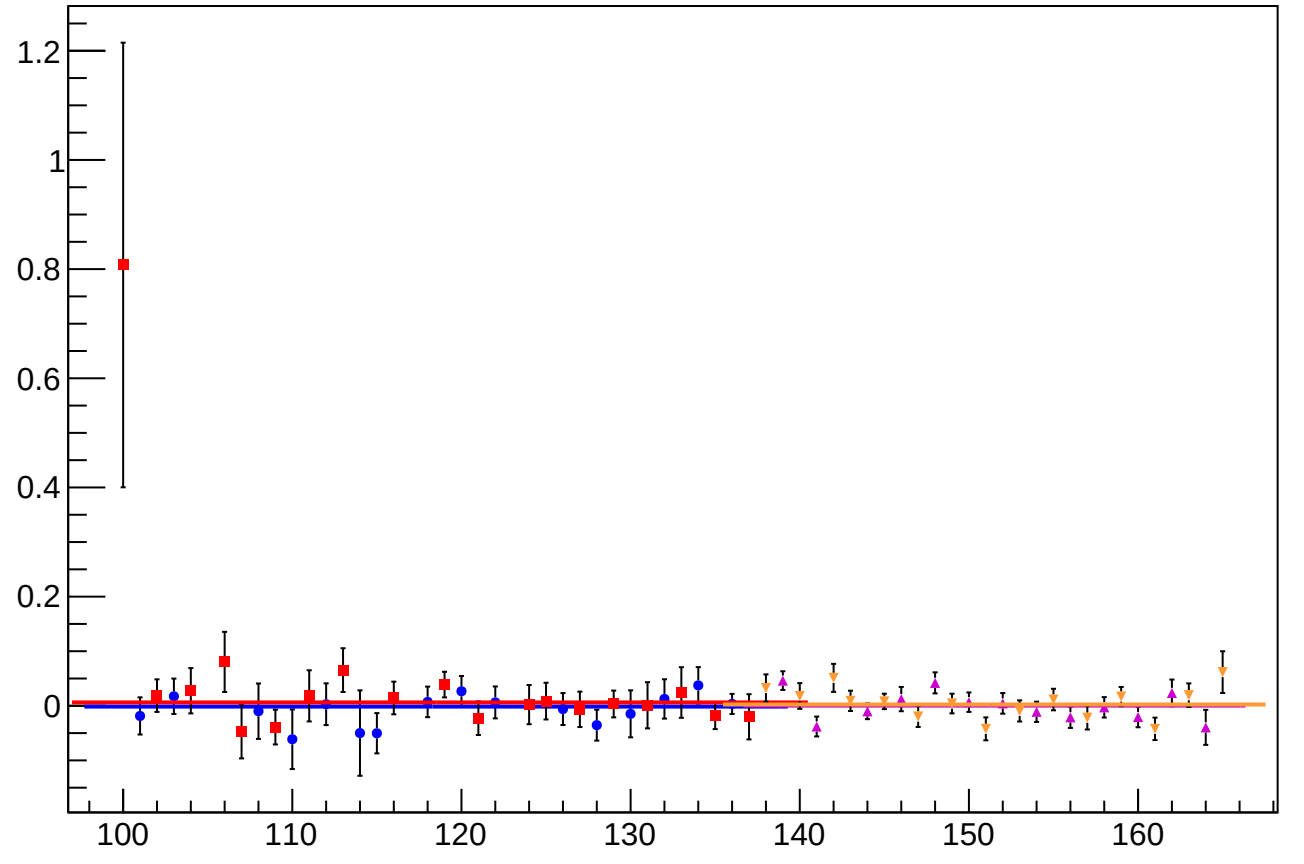
Left In: 0.000+/-0.000 χ^2/NDF:10.1/12

+ sign -0.000+/-0.000 χ^2/NDF: 43.5/30

All: 0.000+/-0.000 χ^2/NDF: 76.1/62

- sign 0.000+/-0.000 χ^2/NDF: 32.2/31


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:5515001.8/14
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:3986514.4/12
+ sign 0.001+/-0.000 χ²/NDF: 10966772.2/30
All: 0.001+/-0.000 χ²/NDF: 18951614.7/62
- sign 0.001+/-0.000 χ²/NDF: 7732949.2/31



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.005 χ^2/NDF:21.9/14

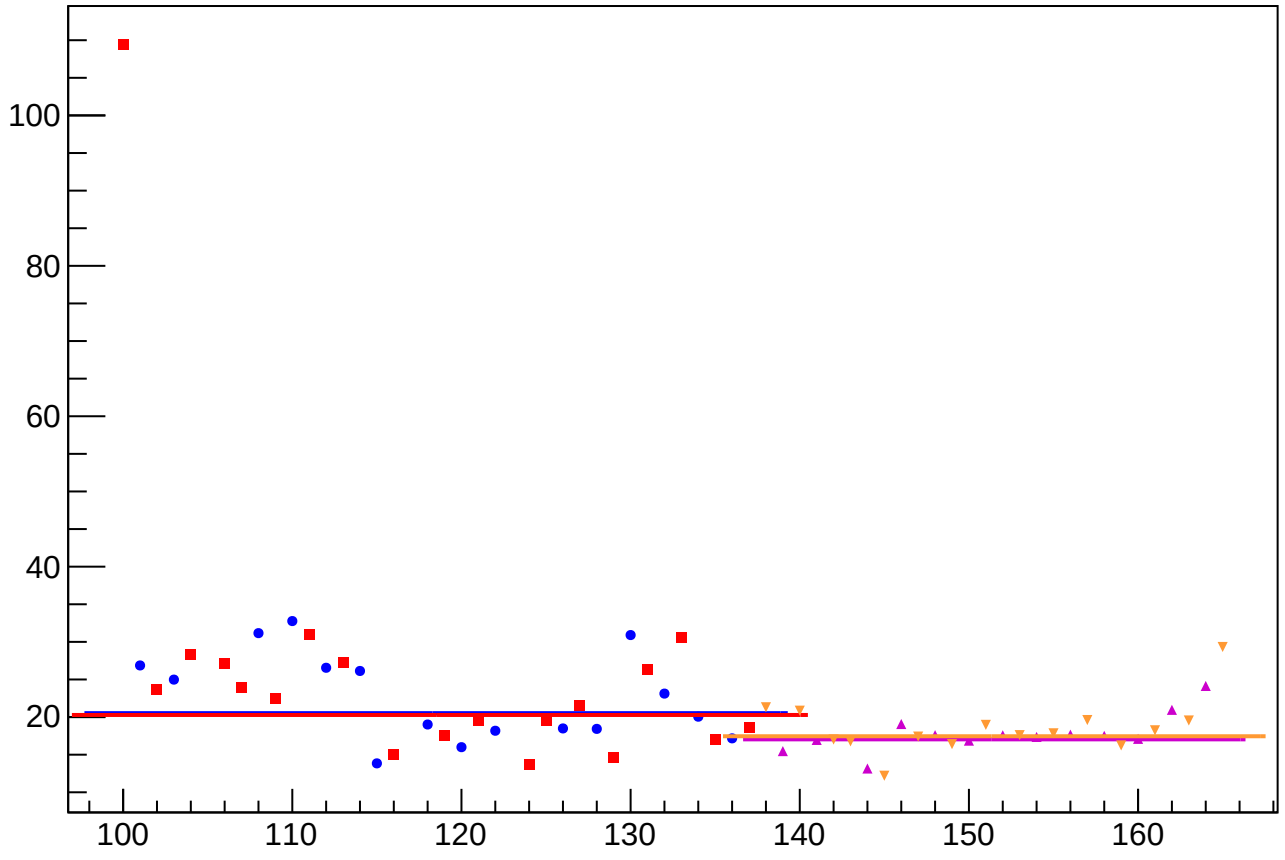
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:22.5/12

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/30

All: 0.002+/-0.003 χ^2/NDF: 69.5/62

- sign 0.002+/-0.004 χ^2/NDF: 39.1/31



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.450+/-0.004 χ^2/NDF:630449.5/14

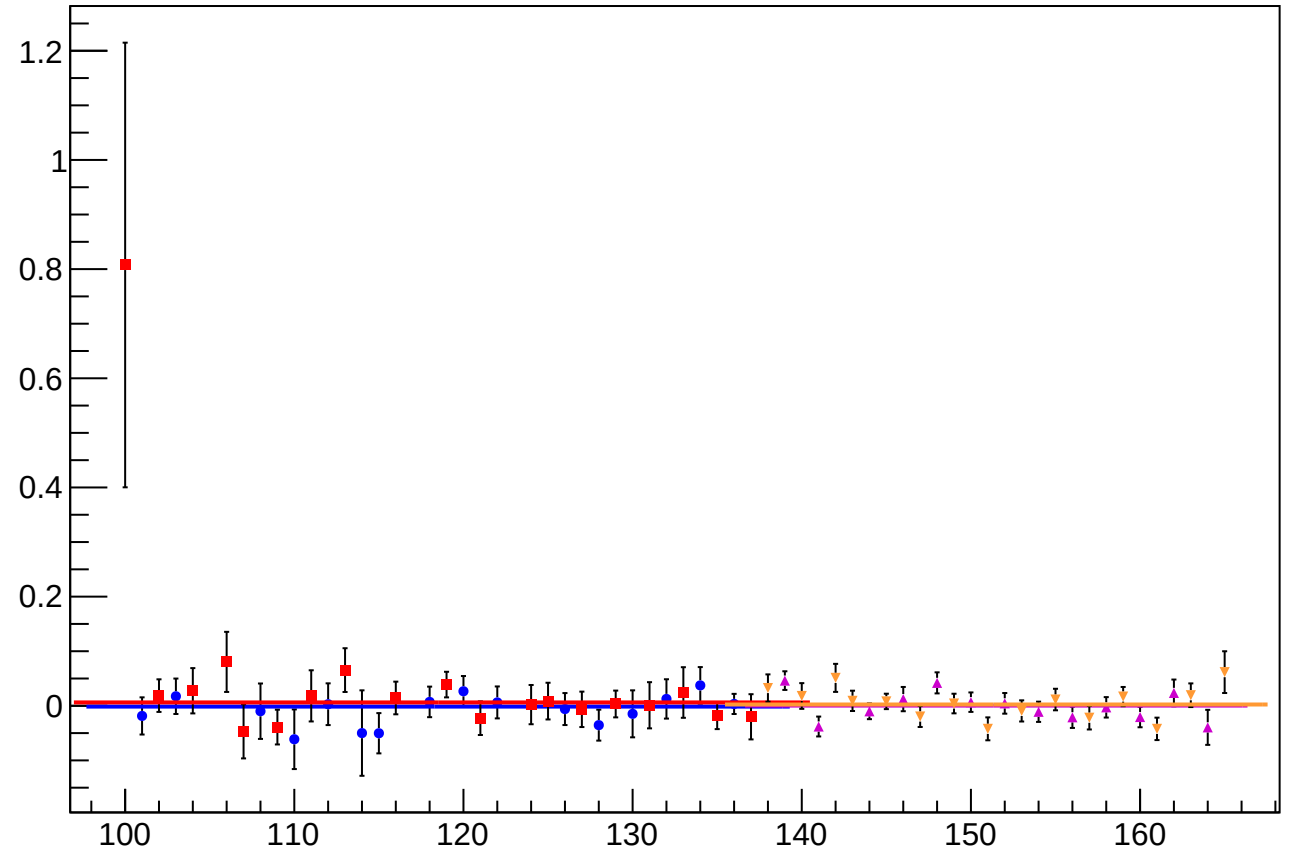
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.038+/-0.004 χ^2/NDF:335236.2/12

+ sign 18.358+/-0.003 χ^2/NDF: 1540868.6/30

All: 18.201+/-0.002 χ^2/NDF: 2979018.4/62

- sign 18.044+/-0.003 χ^2/NDF: 1433042.9/31



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.005 χ^2/NDF:21.9/14

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

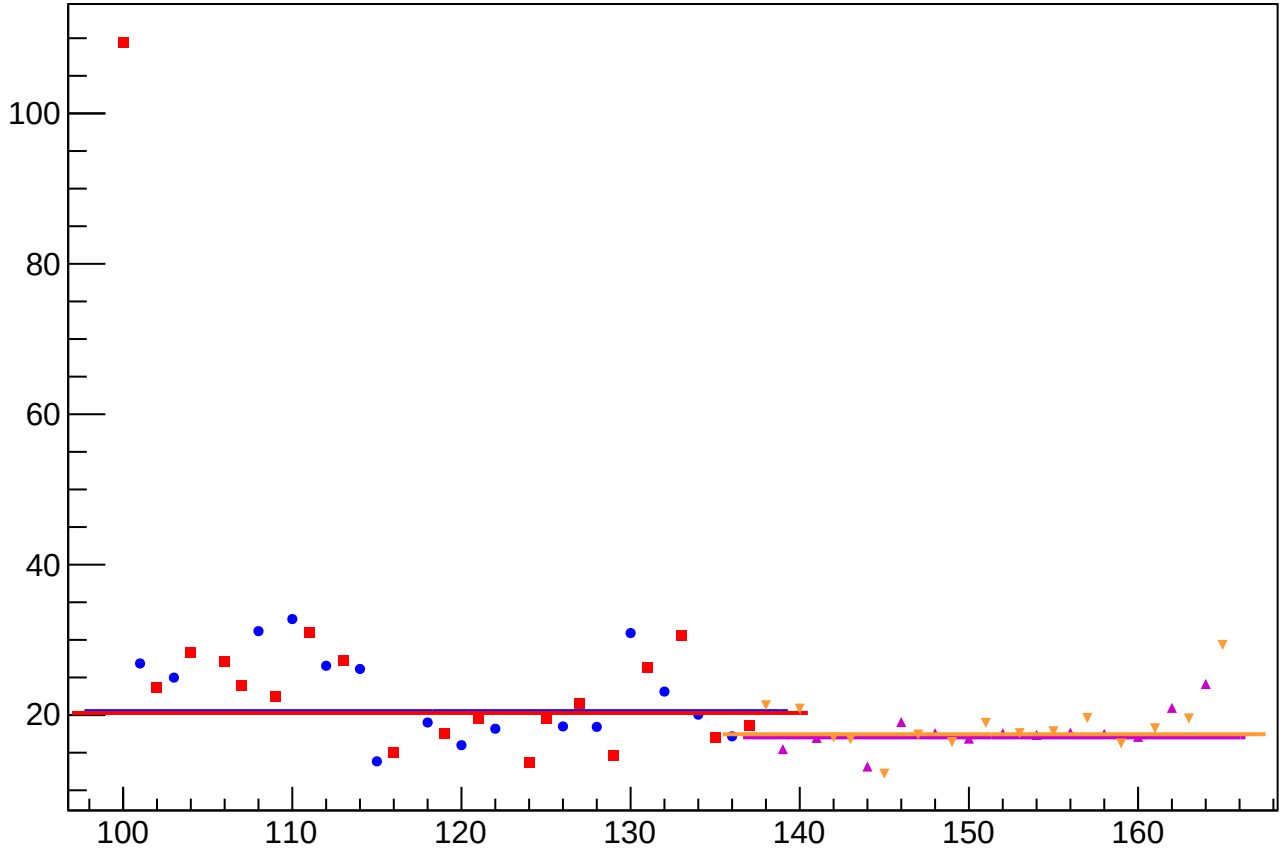
Left In: 0.000+/-0.005 χ^2/NDF:22.5/12

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/30

All: 0.002+/-0.003 χ^2/NDF: 69.5/62

- sign 0.002+/-0.004 χ^2/NDF: 39.1/31

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.450+/-0.004 χ^2/NDF:630449.5/14

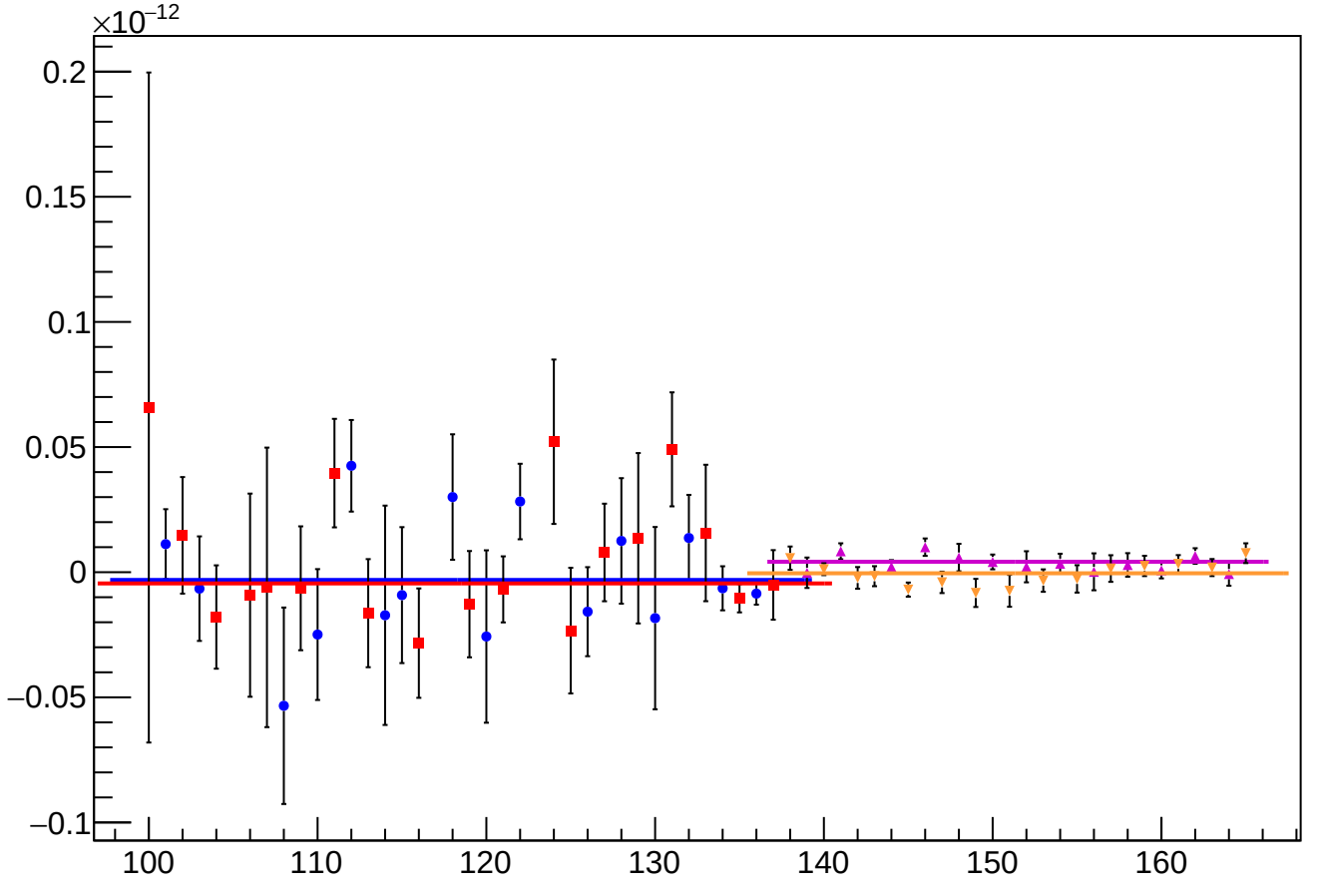
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.038+/-0.004 χ^2/NDF:335236.2/12

+ sign 18.358+/-0.003 χ^2/NDF: 1540868.6/30

All: 18.201+/-0.002 χ^2/NDF: 2979018.4/62

- sign 18.044+/-0.003 χ^2/NDF: 1433042.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.6/14

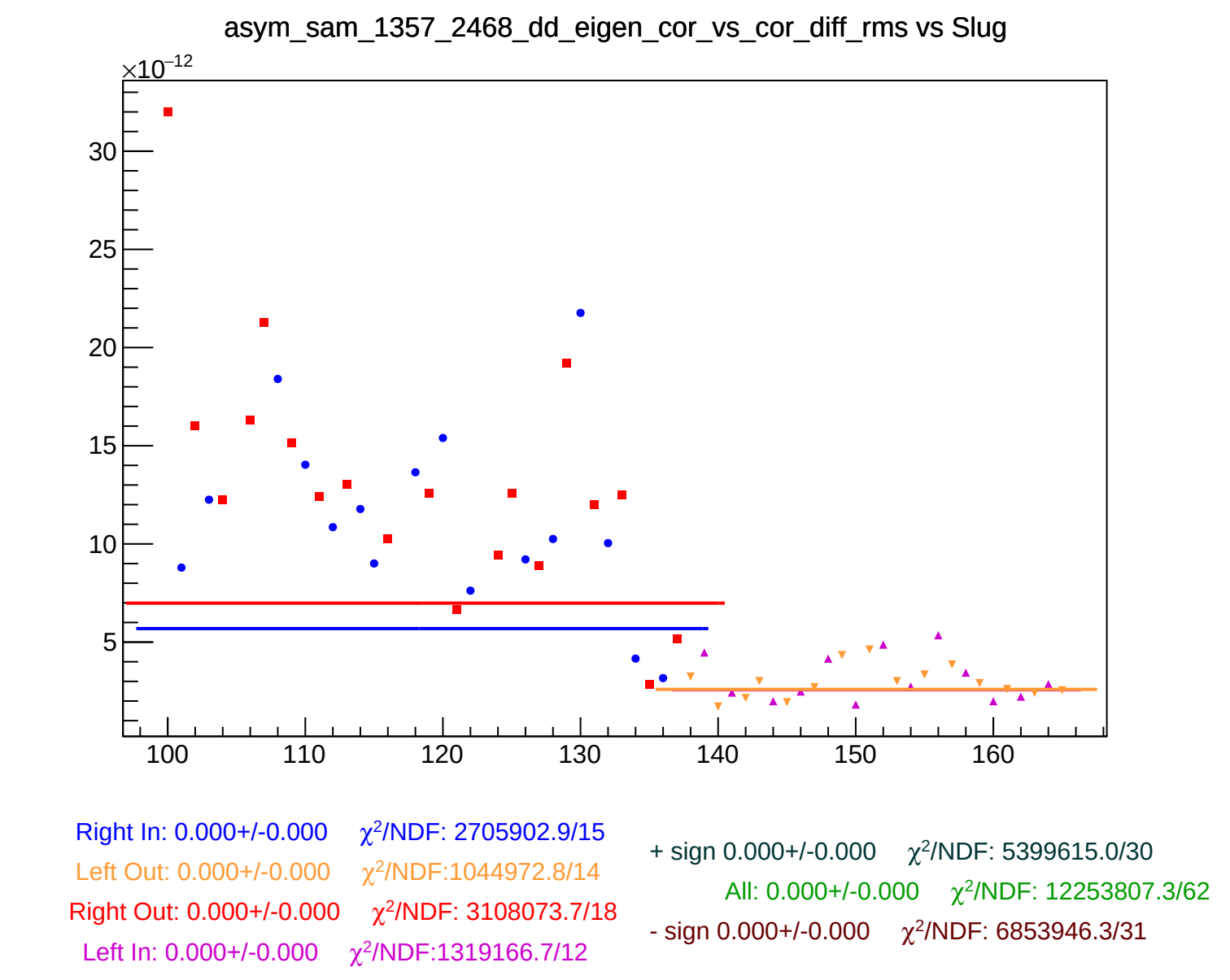
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/12

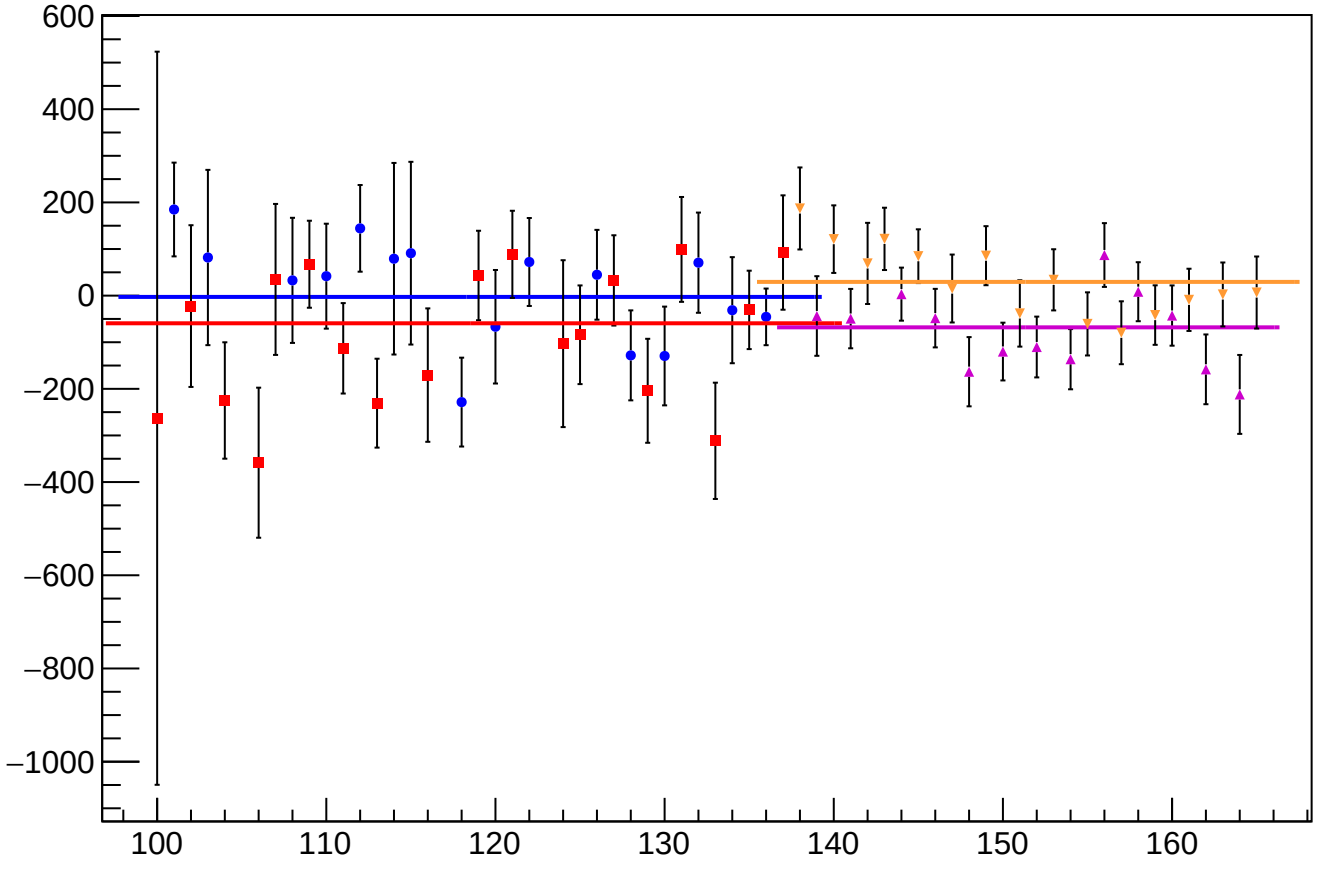
+ sign -0.000+/-0.000 χ^2/NDF: 39.2/30

All: 0.000+/-0.000 χ^2/NDF: 80.5/62

- sign 0.000+/-0.000 χ^2/NDF: 32.3/31


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1044972.8/14
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1319166.7/12
+ sign 0.000+/-0.000 χ²/NDF: 5399615.0/30
All: 0.000+/-0.000 χ²/NDF: 12253807.3/62
- sign 0.000+/-0.000 χ²/NDF: 6853946.3/31

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 29.462+/-17.875 χ^2/NDF:15.8/14

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

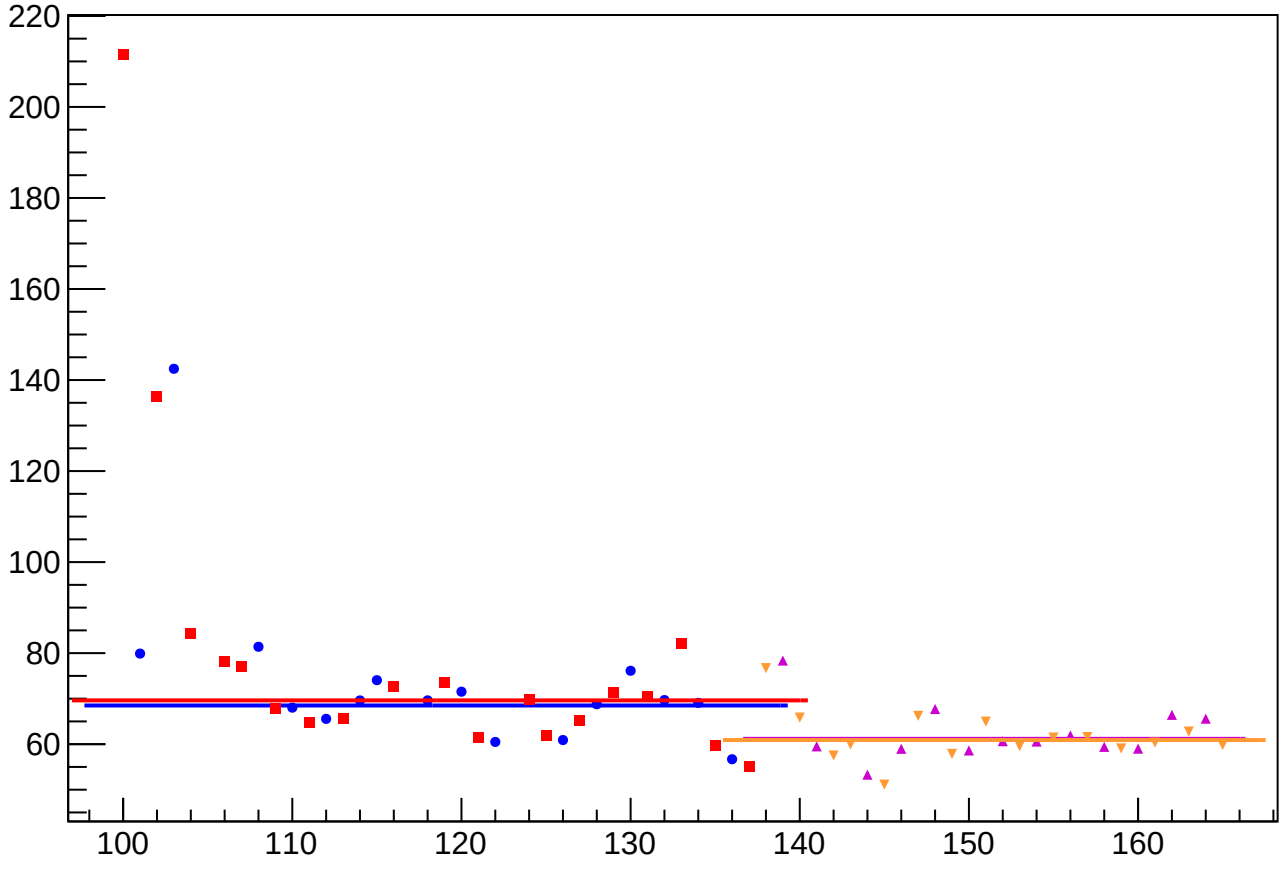
Left In: -68.048+/-18.624 χ^2/NDF:16.8/12

+ sign 19.233+/-14.768 χ^2/NDF: 34.5/30

All: -21.703+/-10.597 χ^2/NDF: 92.9/62

- sign -65.155+/-15.215 χ^2/NDF: 42.6/31

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.906+/-0.013 χ^2/NDF:161339.2/14

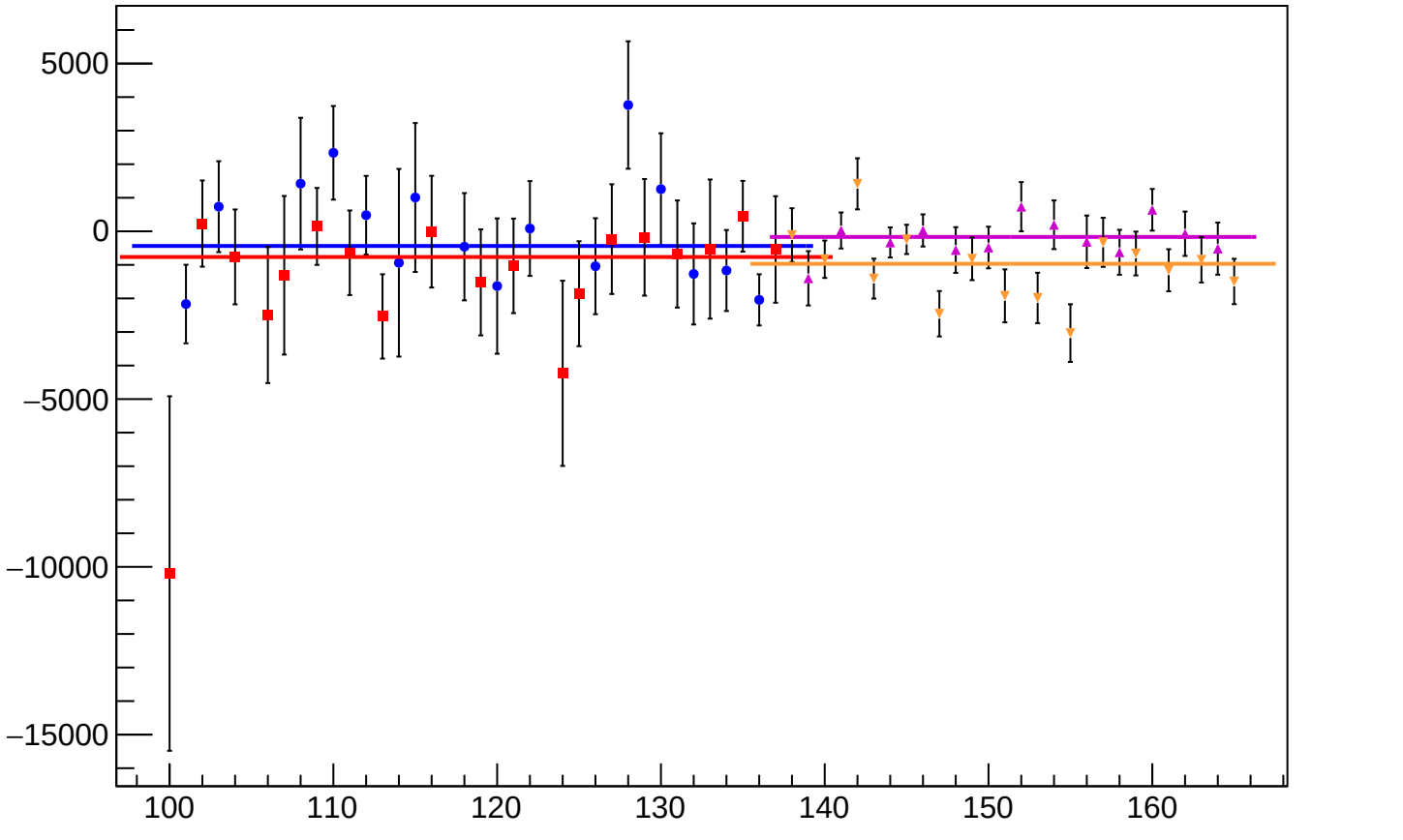
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

+ sign 63.316+/-0.010 χ^2/NDF: 747748.8/30

All: 63.638+/-0.007 χ^2/NDF: 1568806.6/62

- sign 63.980+/-0.011 χ^2/NDF: 819092.0/31



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -968.506+/-168.721 χ^2/NDF:30.0/14

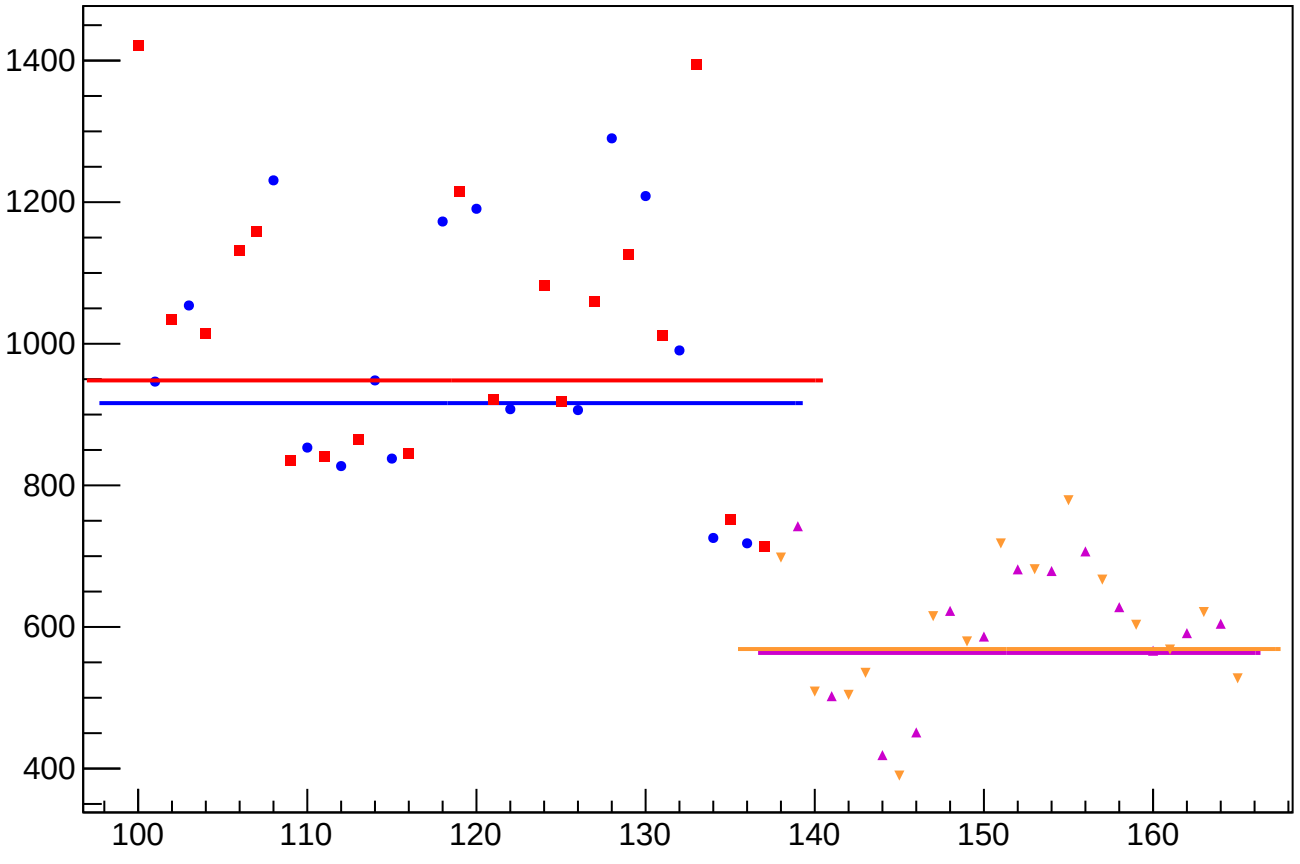
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -167.436+/-173.374 χ^2/NDF:7.5/12

+ sign -867.845+/-151.891 χ^2/NDF: 52.5/30

All: -582.813+/-108.698 χ^2/NDF: 80.8/62

- sign -283.607+/-155.622 χ^2/NDF: 21.2/31



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 568.825+/-0.119 χ^2/NDF:738994.7/14

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

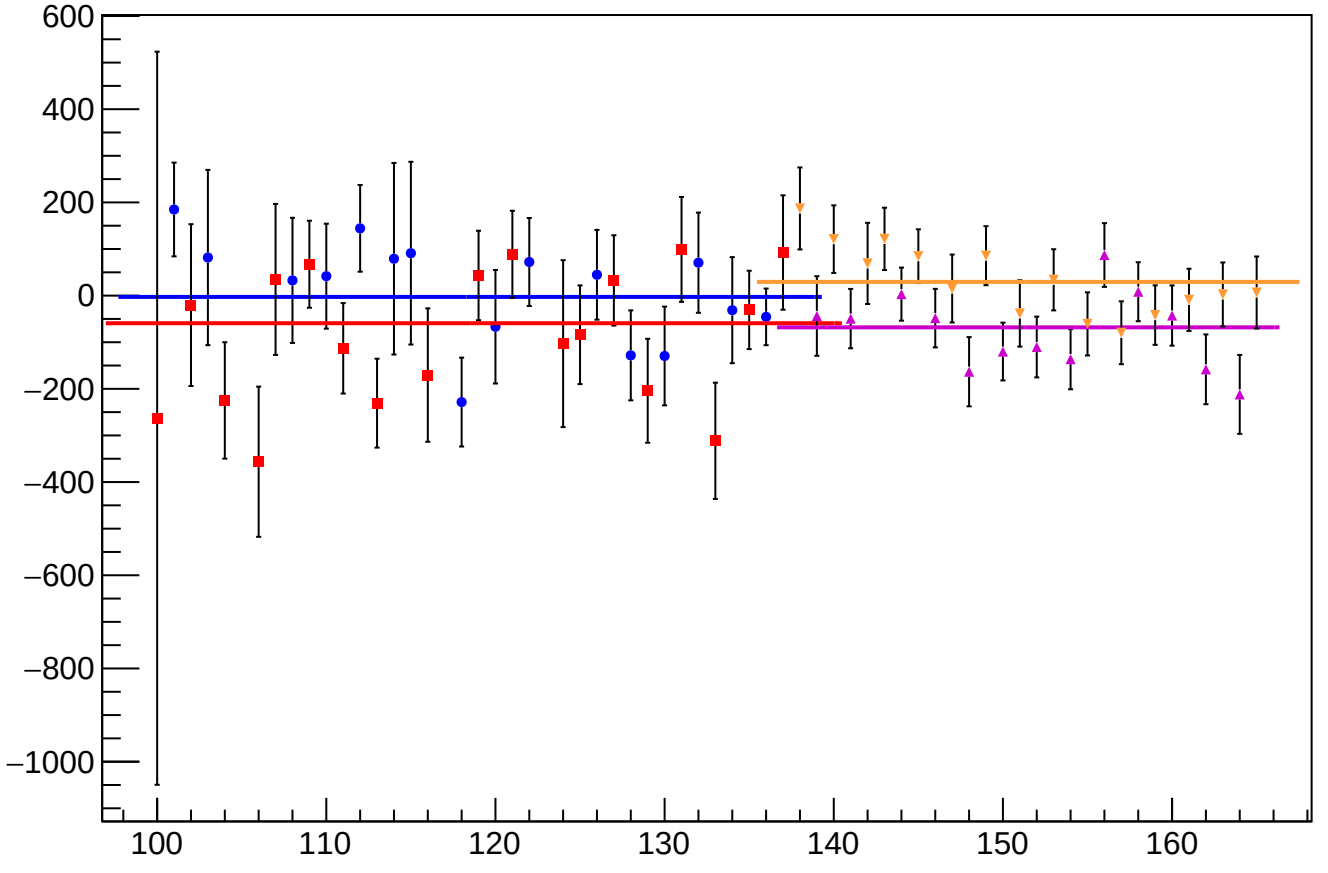
Left In: 563.315+/-0.123 χ^2/NDF:656890.5/12

+ sign 634.663+/-0.107 χ^2/NDF: 2854800.9/30

All: 636.342+/-0.077 χ^2/NDF: 5842828.1/62

- sign 638.104+/-0.110 χ^2/NDF: 2987526.6/31

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 29.465+/-17.875 χ^2/NDF:15.8/14

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

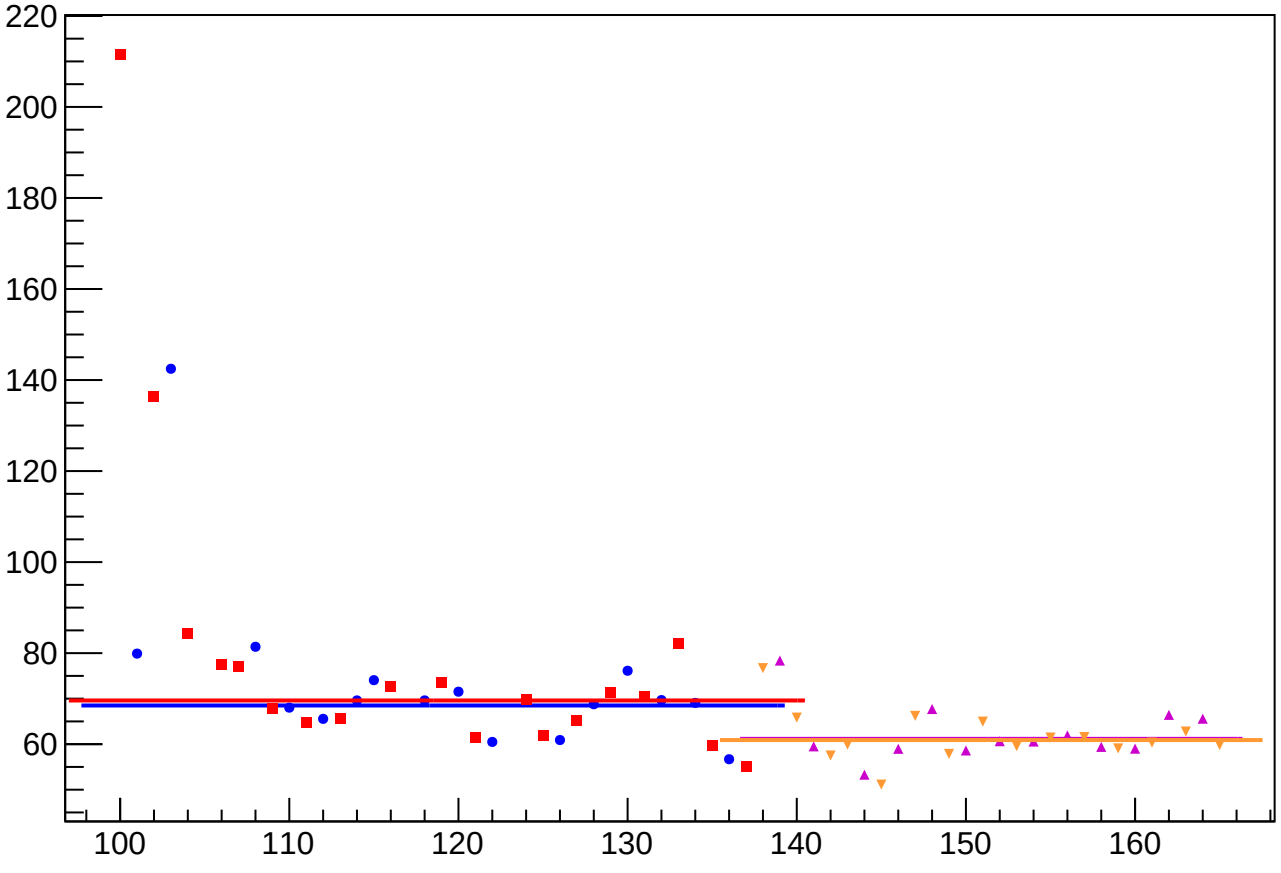
Left In: -68.048+/-18.624 χ^2/NDF:16.8/12

+ sign 19.232+/-14.768 χ^2/NDF: 34.5/30

All: -21.683+/-10.597 χ^2/NDF: 92.9/62

- sign -65.114+/-15.215 χ^2/NDF: 42.5/31

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.906+/-0.013 χ^2/NDF:161339.2/14

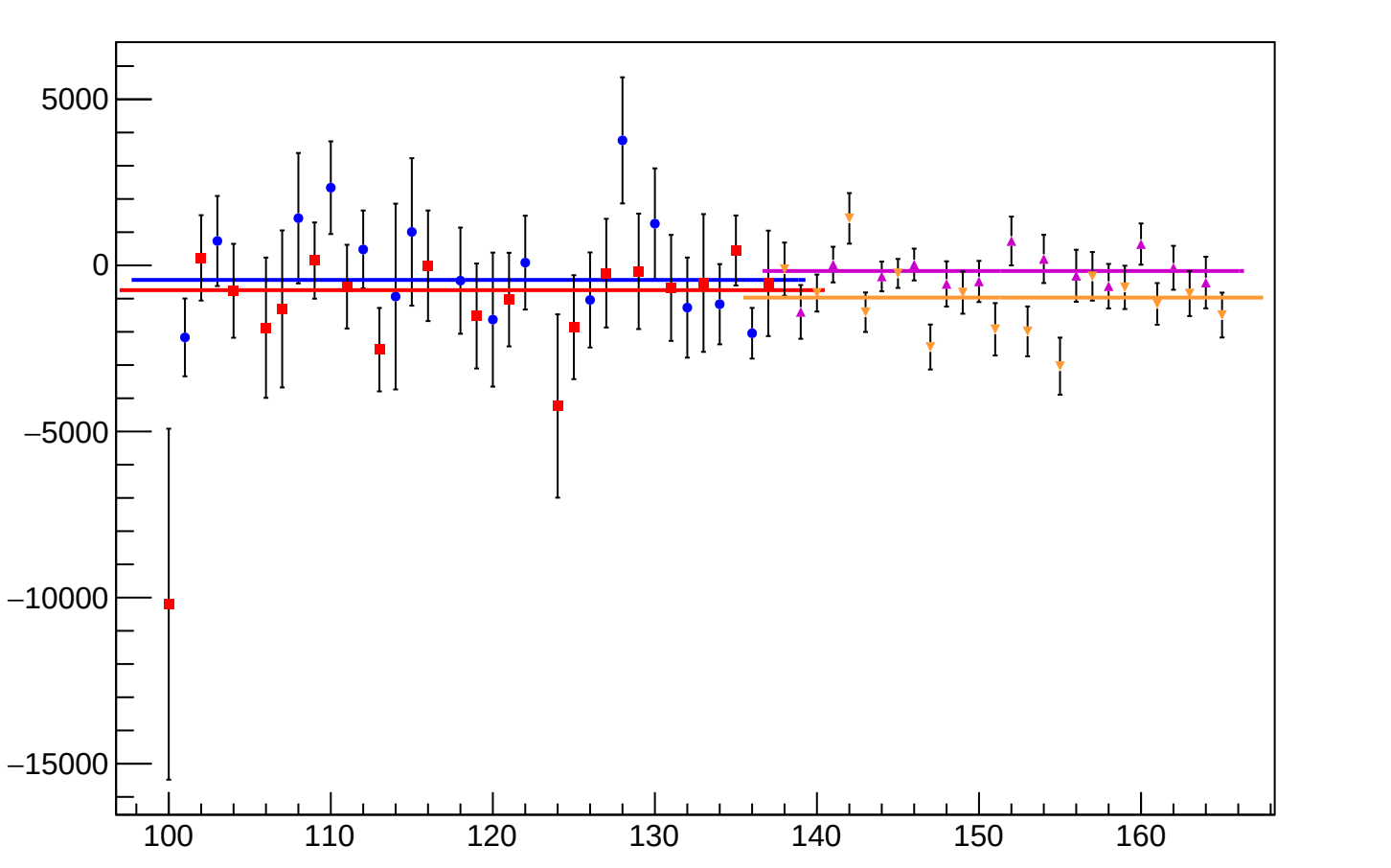
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

\+ sign 63.316+/-0.010 χ^2/NDF: 747751.8/30

All: 63.635+/-0.007 χ^2/NDF: 1567525.3/62

\- sign 63.974+/-0.011 χ^2/NDF: 817846.4/31



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -968.502+/-168.721 χ^2/NDF:30.0/14

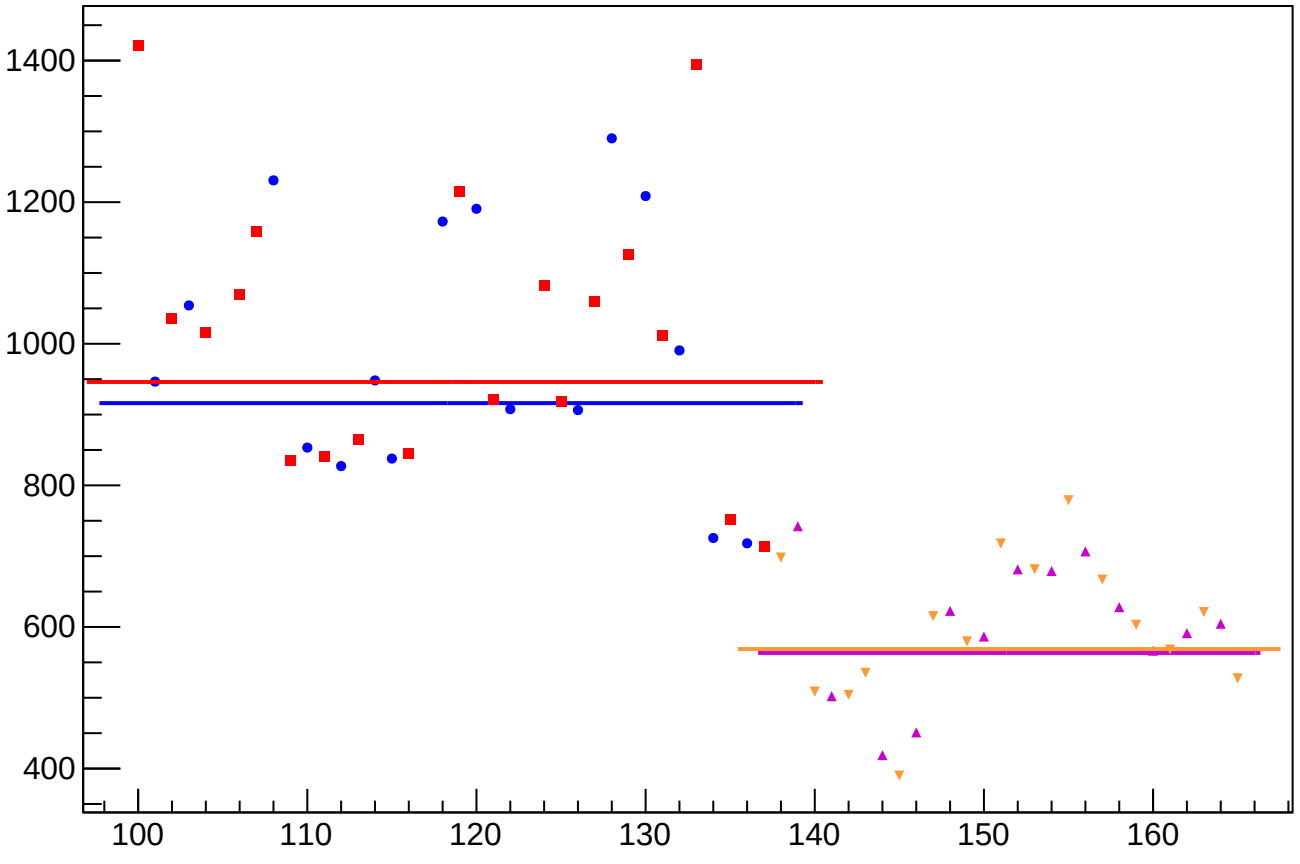
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -167.439+/-173.374 χ^2/NDF:7.5/12

\+ sign -867.837+/-151.891 χ^2/NDF: 52.5/30

All: -580.786+/-108.711 χ^2/NDF: 80.3/62

\- sign -279.315+/-155.660 χ^2/NDF: 20.5/31



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.825+/-0.119 χ^2/NDF:738997.7/14

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

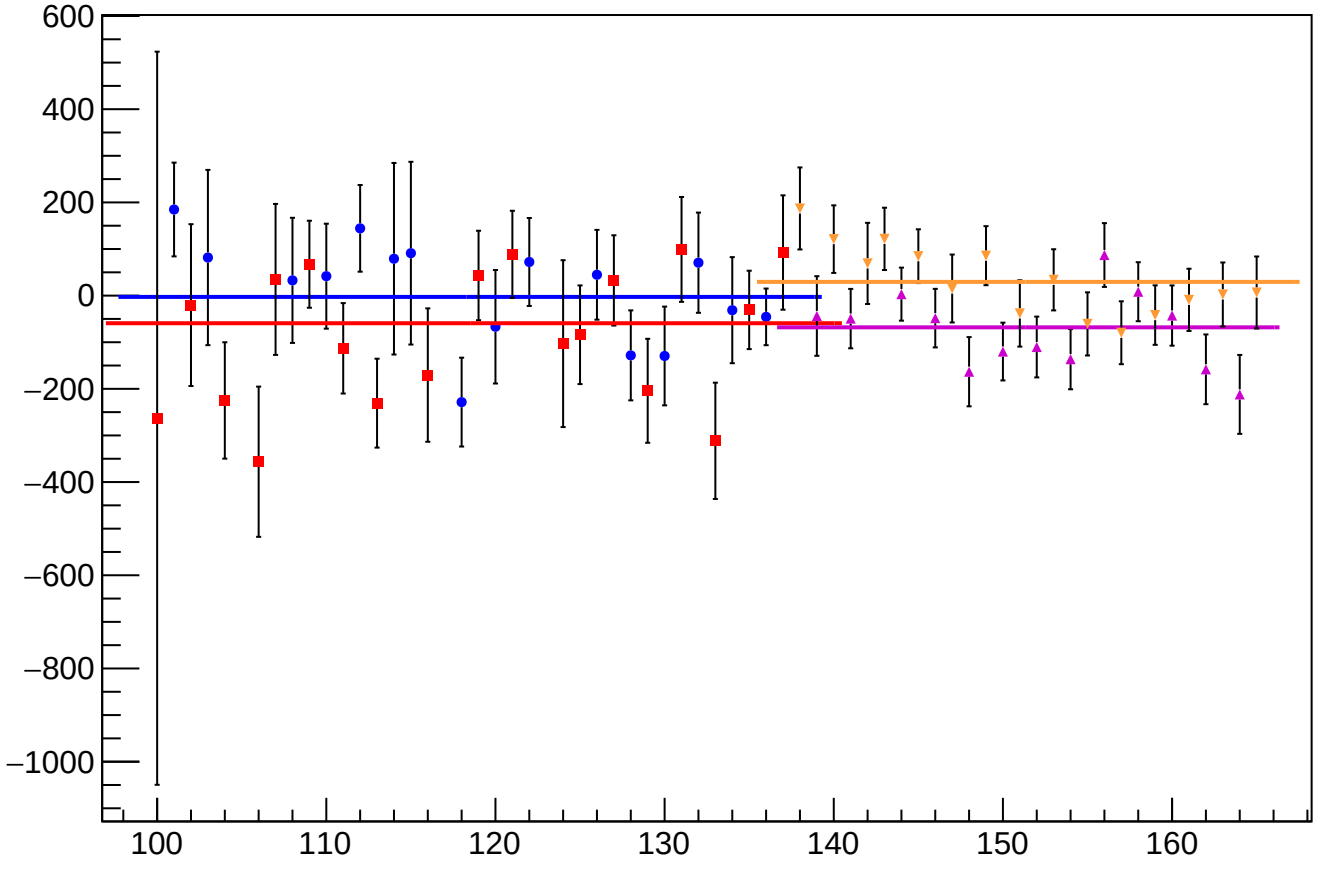
Left In: 563.315+/-0.123 χ^2/NDF:656888.4/12

+ sign 634.663+/-0.107 χ^2/NDF: 2854850.4/30

All: 636.066+/-0.077 χ^2/NDF: 5807913.3/62

- sign 637.540+/-0.110 χ^2/NDF: 2952713.1/31

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 29.465+/-17.875 χ^2/NDF:15.8/14

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

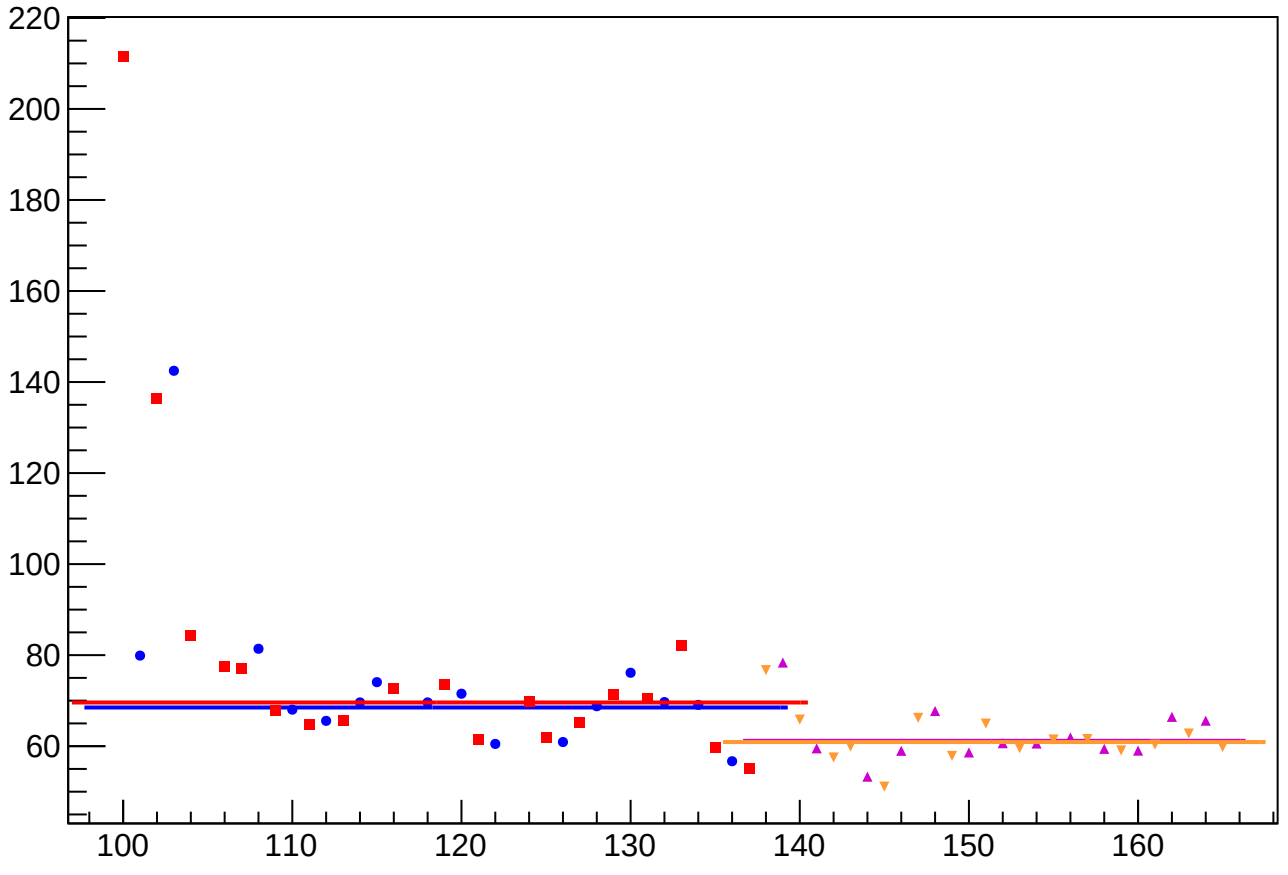
Left In: -68.048+/-18.624 χ^2/NDF:16.8/12

+ sign 19.232+/-14.768 χ^2/NDF: 34.5/30

All: -21.683+/-10.597 χ^2/NDF: 92.9/62

- sign -65.114+/-15.215 χ^2/NDF: 42.5/31

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.906+/-0.013 χ^2/NDF:161339.2/14

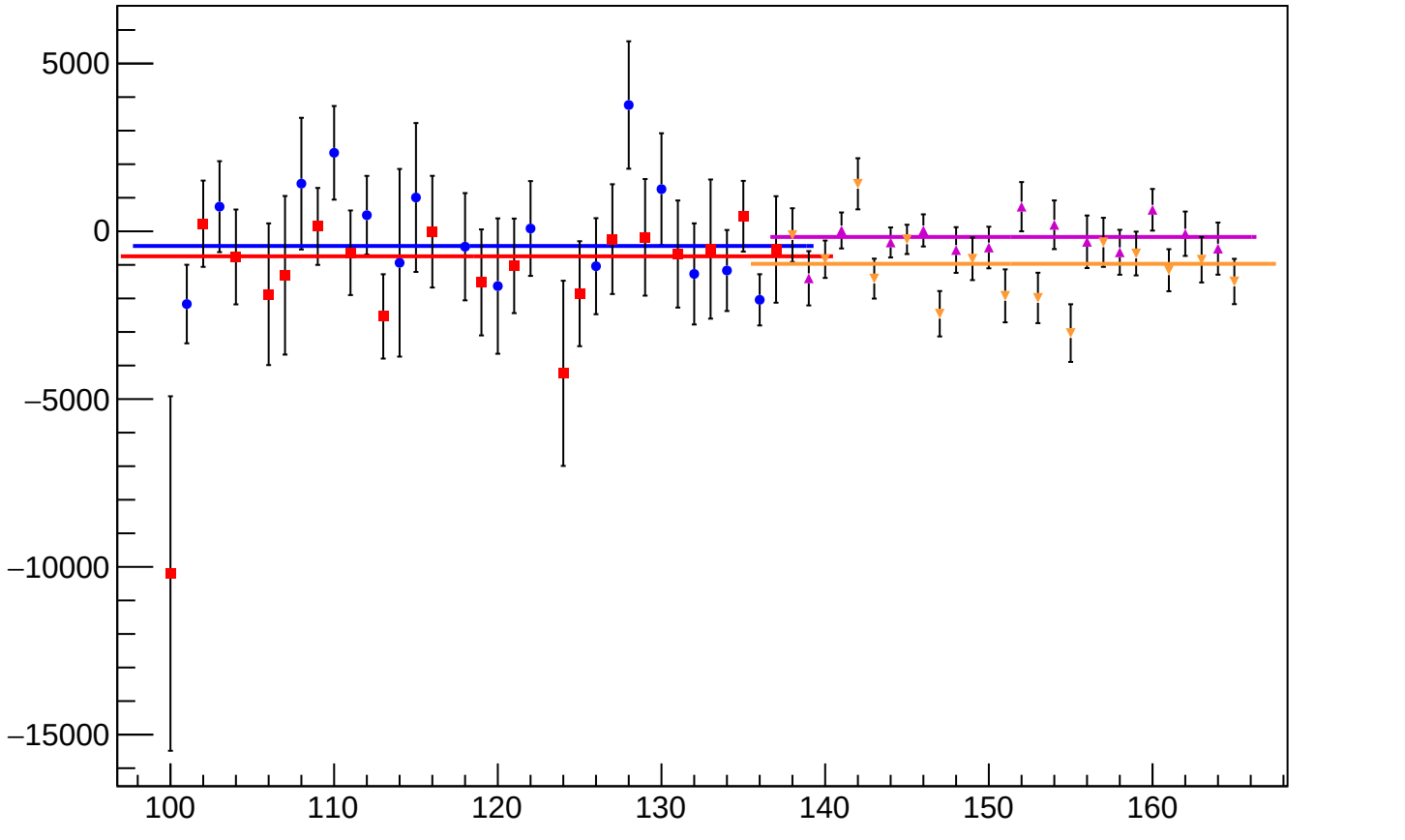
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

\+ sign 63.316+/-0.010 χ^2/NDF: 747751.8/30

All: 63.635+/-0.007 χ^2/NDF: 1567525.3/62

\- sign 63.974+/-0.011 χ^2/NDF: 817846.4/31



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -968.502+/-168.721 χ^2/NDF:30.0/14

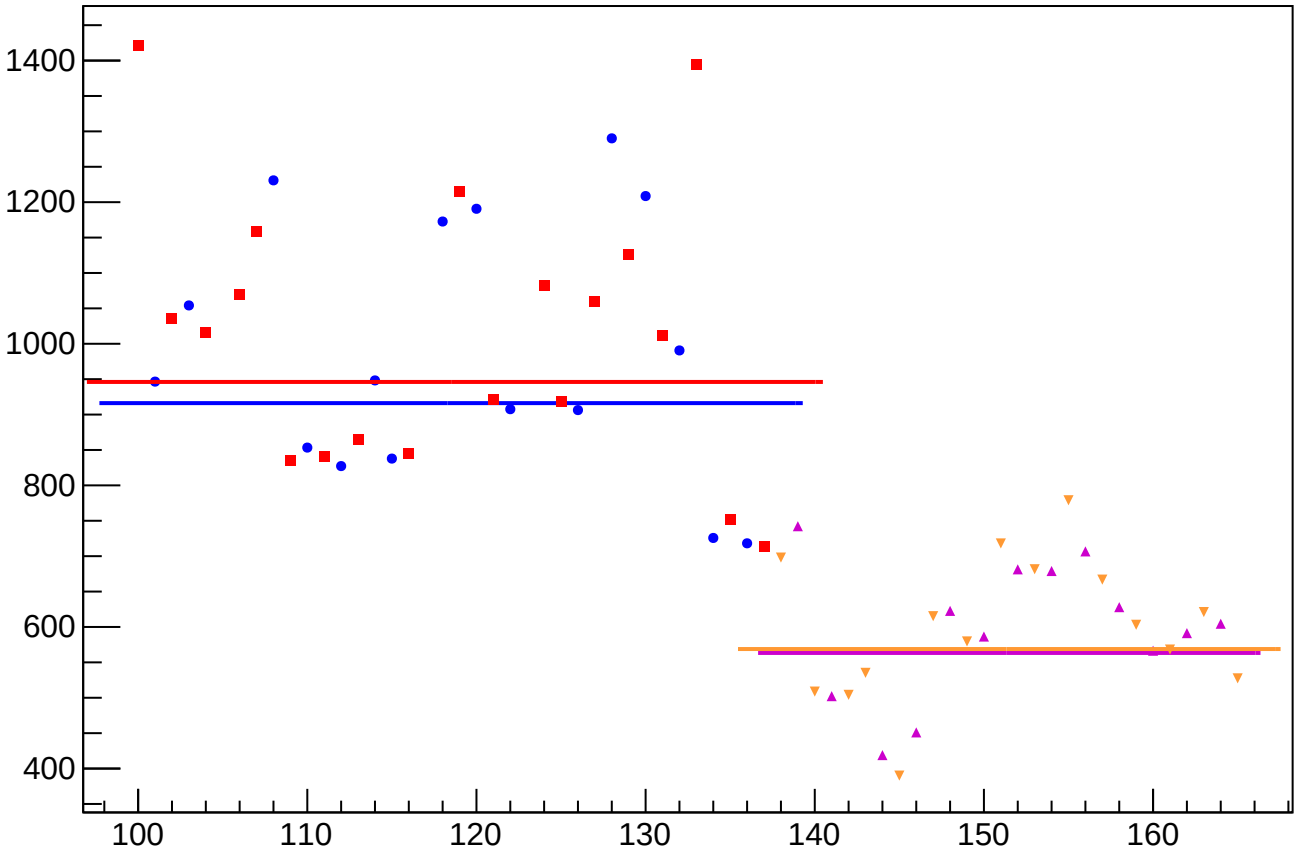
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -167.439+/-173.374 χ^2/NDF:7.5/12

+ sign -867.837+/-151.891 χ^2/NDF: 52.5/30

All: -580.786+/-108.711 χ^2/NDF: 80.3/62

- sign -279.315+/-155.660 χ^2/NDF: 20.5/31



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.825+/-0.119 χ^2/NDF:738997.7/14

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

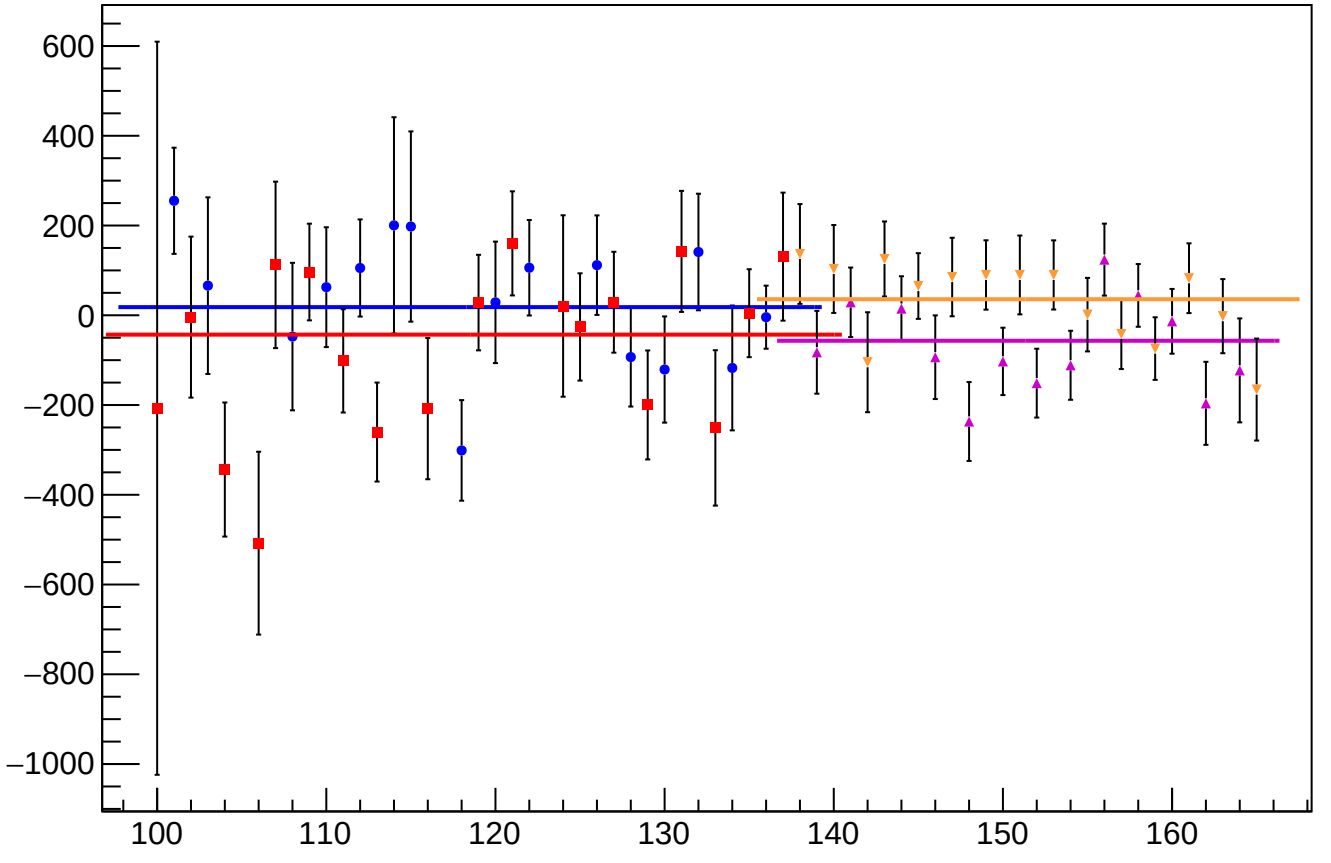
Left In: 563.315+/-0.123 χ^2/NDF:656888.4/12

+ sign 634.663+/-0.107 χ^2/NDF: 2854850.4/30

All: 636.066+/-0.077 χ^2/NDF: 5807913.3/62

- sign 637.540+/-0.110 χ^2/NDF: 2952713.1/31

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.783+/-21.823 χ^2/NDF:13.2/14

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

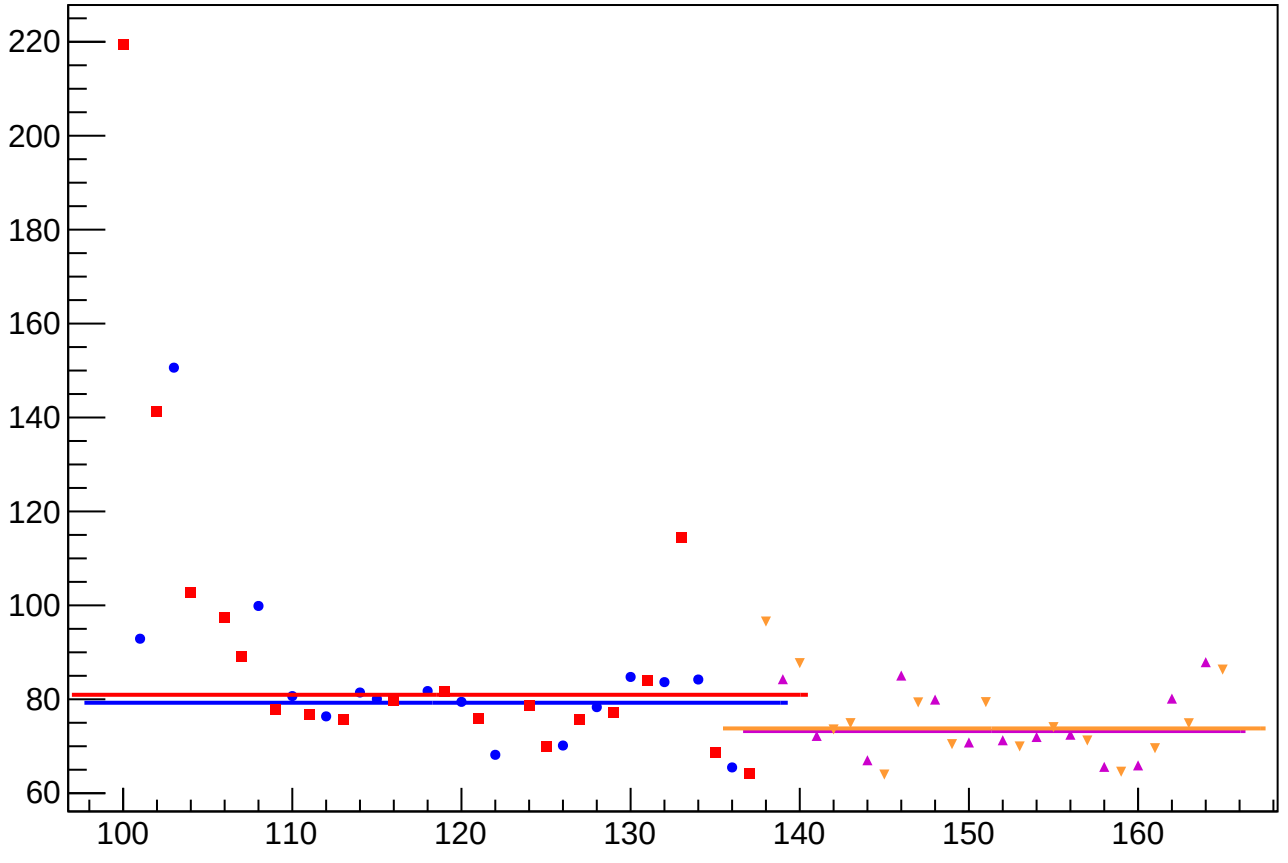
Left In: -56.781+/-22.466 χ^2/NDF:19.2/12

+ sign 29.781+/-17.717 χ^2/NDF: 33.6/30

All: -10.178+/-12.672 χ^2/NDF: 91.0/62

- sign -52.027+/-18.131 χ^2/NDF: 47.0/31

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.795+/-0.015 χ^2/NDF:253017.2/14

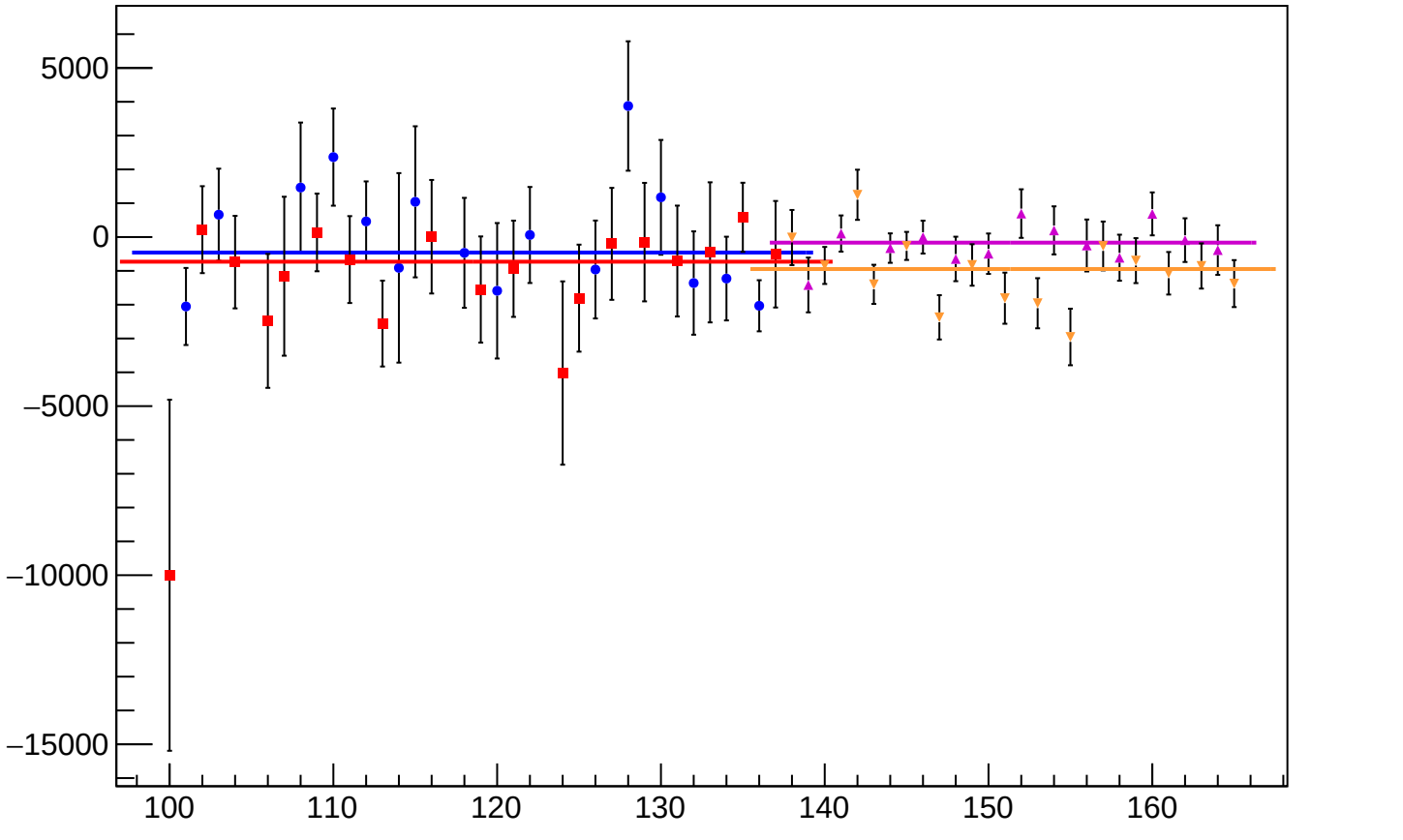
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.235+/-0.016 χ^2/NDF:179250.7/12

+ sign 75.659+/-0.013 χ^2/NDF: 740775.7/30

All: 75.790+/-0.009 χ^2/NDF: 1516853.8/62

- sign 75.927+/-0.013 χ^2/NDF: 775853.4/31



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -946.184+/-165.621 χ^2/NDF:28.6/14

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

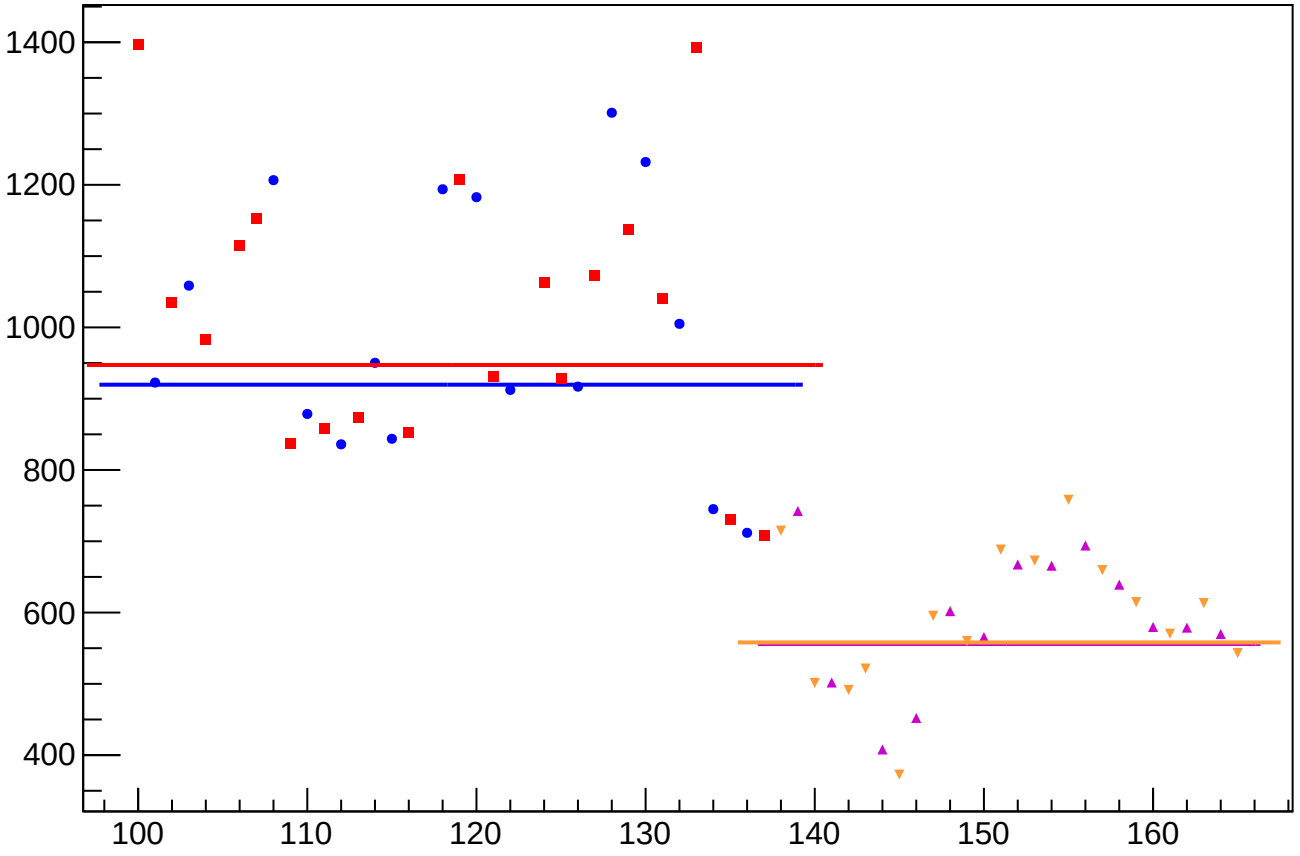
Left In: -165.522+/-171.168 χ^2/NDF:7.8/12

+ sign -856.920+/-149.712 χ^2/NDF: 50.5/30

All: -573.143+/-107.340 χ^2/NDF: 79.2/62

- sign -272.951+/-153.981 χ^2/NDF: 21.4/31

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 558.098+/-0.117 χ^2/NDF:816299.2/14

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

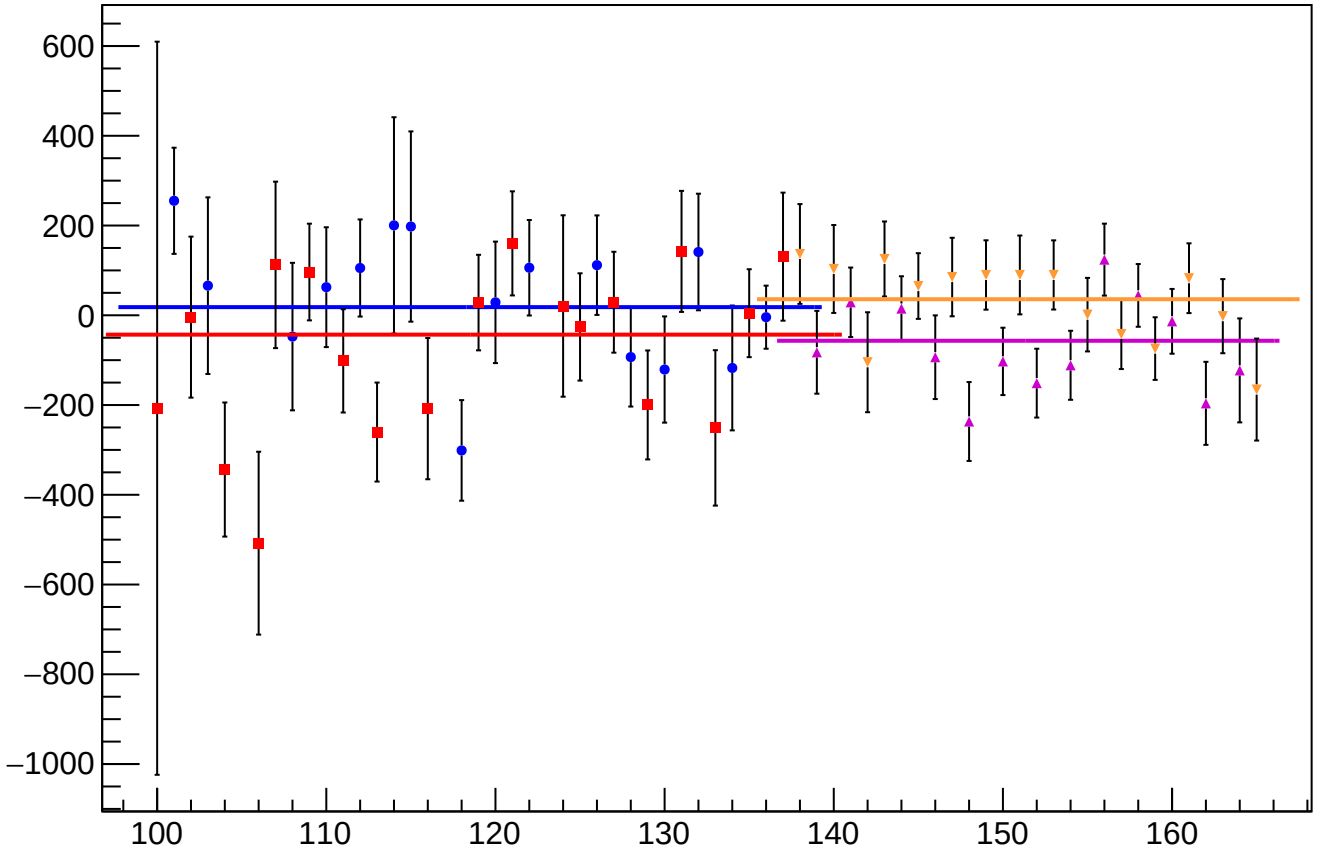
Left In: 555.864+/-0.121 χ^2/NDF:655390.9/12

\+ sign 624.220+/-0.106 χ^2/NDF: 3074757.3/30

All: 627.282+/-0.076 χ^2/NDF: 6152141.0/62

\- sign 630.520+/-0.109 χ^2/NDF: 3075662.9/31

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.785+/-21.823 χ^2/NDF:13.2/14

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

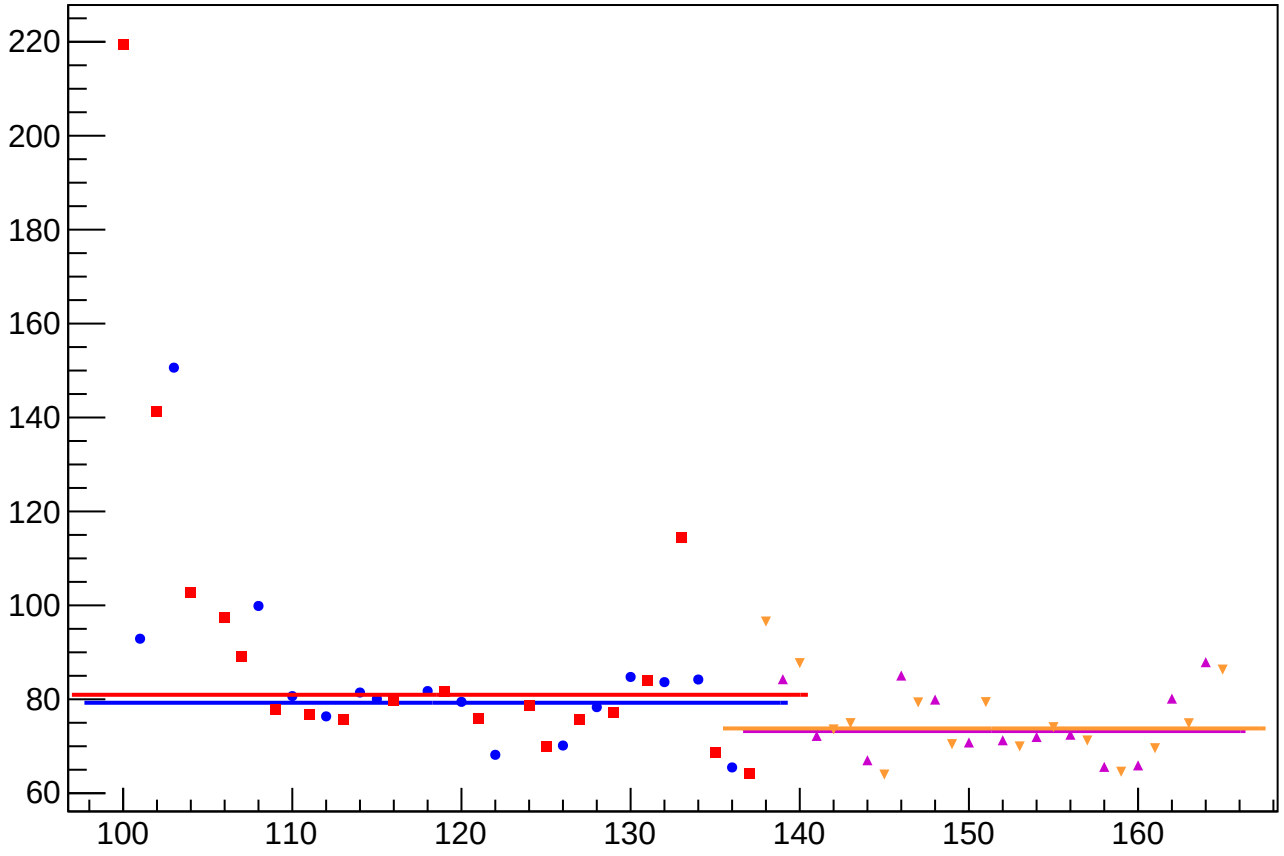
Left In: -56.780+/-22.466 χ^2/NDF:19.2/12

+ sign 29.782+/-17.717 χ^2/NDF: 33.6/30

All: -10.177+/-12.672 χ^2/NDF: 91.0/62

- sign -52.026+/-18.131 χ^2/NDF: 47.0/31

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.795+/-0.015 χ^2/NDF:253013.9/14

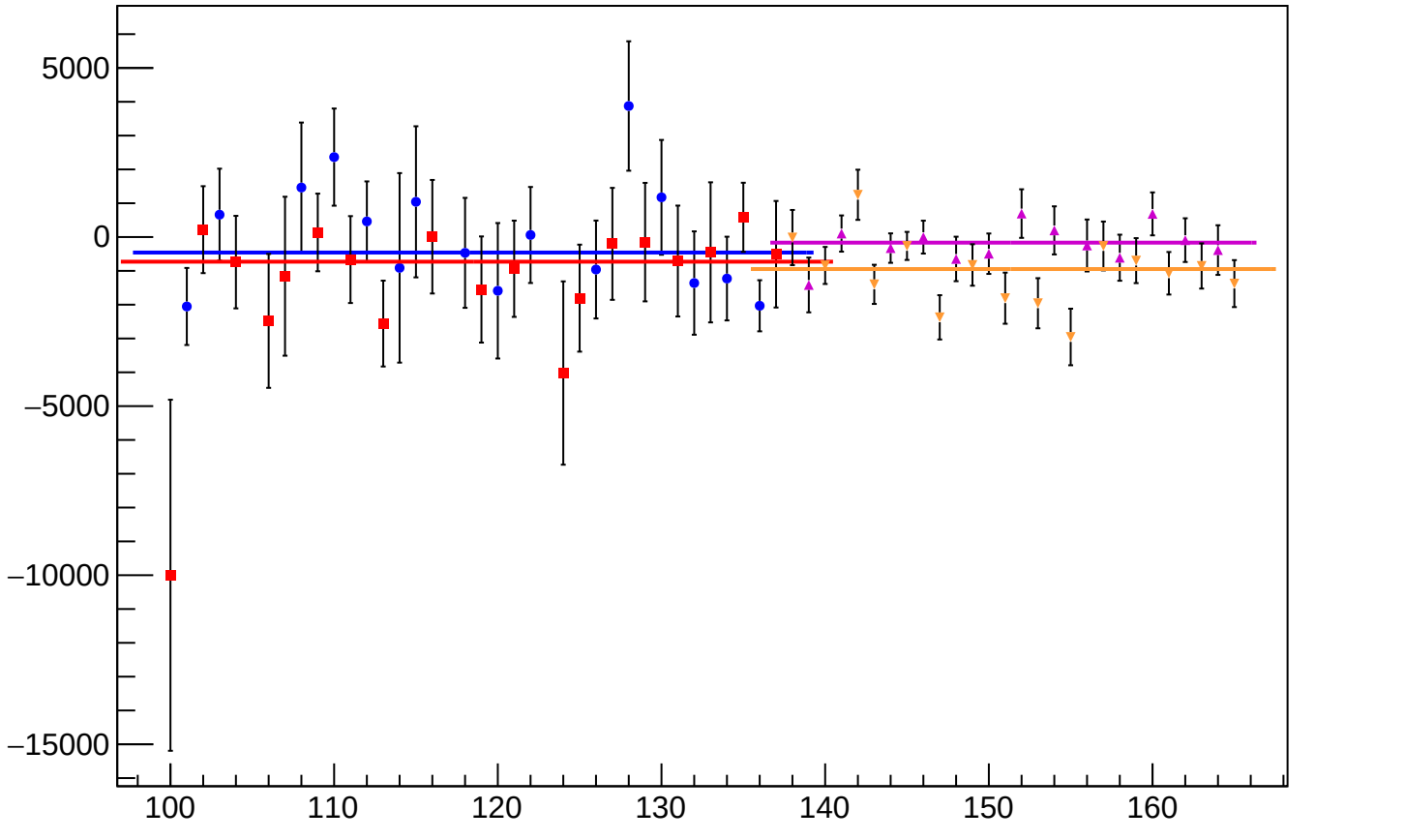
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.235+/-0.016 χ^2/NDF:179255.5/12

+ sign 75.659+/-0.013 χ^2/NDF: 740761.6/30

All: 75.790+/-0.009 χ^2/NDF: 1516843.9/62

- sign 75.927+/-0.013 χ^2/NDF: 775857.6/31



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -946.183+/-165.621 χ^2/NDF:28.6/14

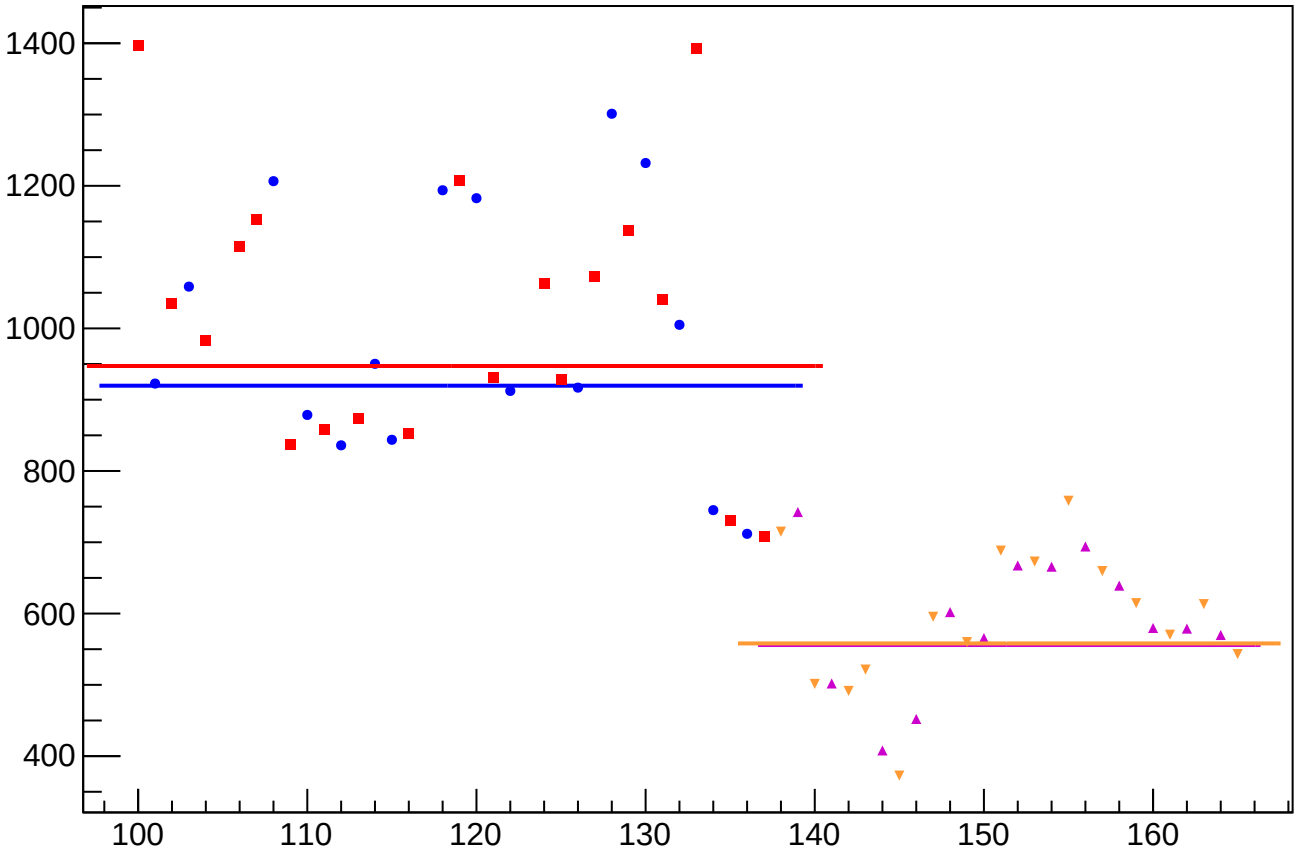
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -165.521+/-171.168 χ^2/NDF:7.8/12

+ sign -856.918+/-149.712 χ^2/NDF: 50.5/30

All: -573.142+/-107.340 χ^2/NDF: 79.2/62

- sign -272.950+/-153.981 χ^2/NDF: 21.4/31



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 558.098+/-0.117 χ^2/NDF:816303.3/14

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

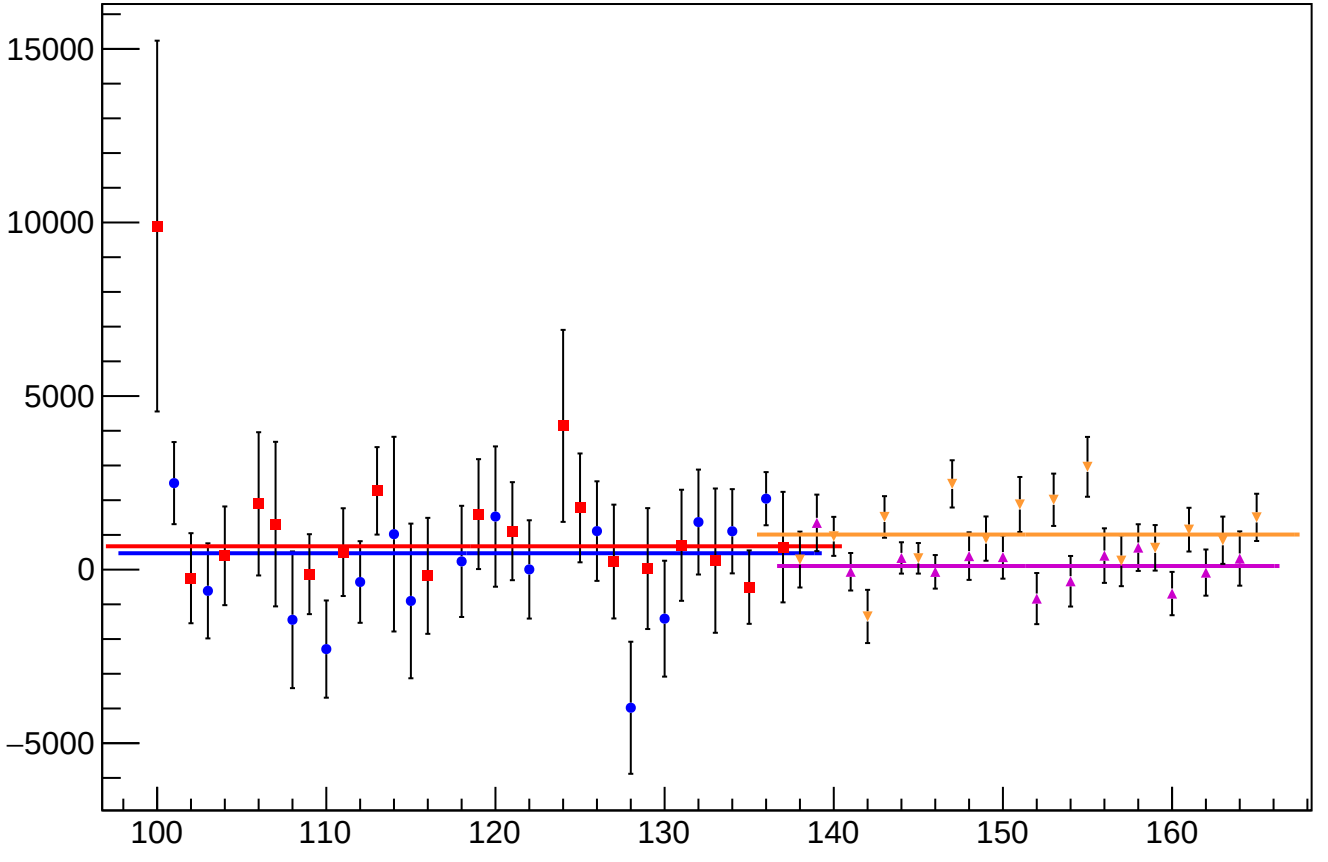
Left In: 555.863+/-0.121 χ^2/NDF:655389.6/12

+ sign 624.219+/-0.106 χ^2/NDF: 3074758.0/30

All: 627.281+/-0.076 χ^2/NDF: 6152135.0/62

- sign 630.519+/-0.109 χ^2/NDF: 3075656.2/31

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1010.552+/-169.771 χ^2/NDF:28.2/14

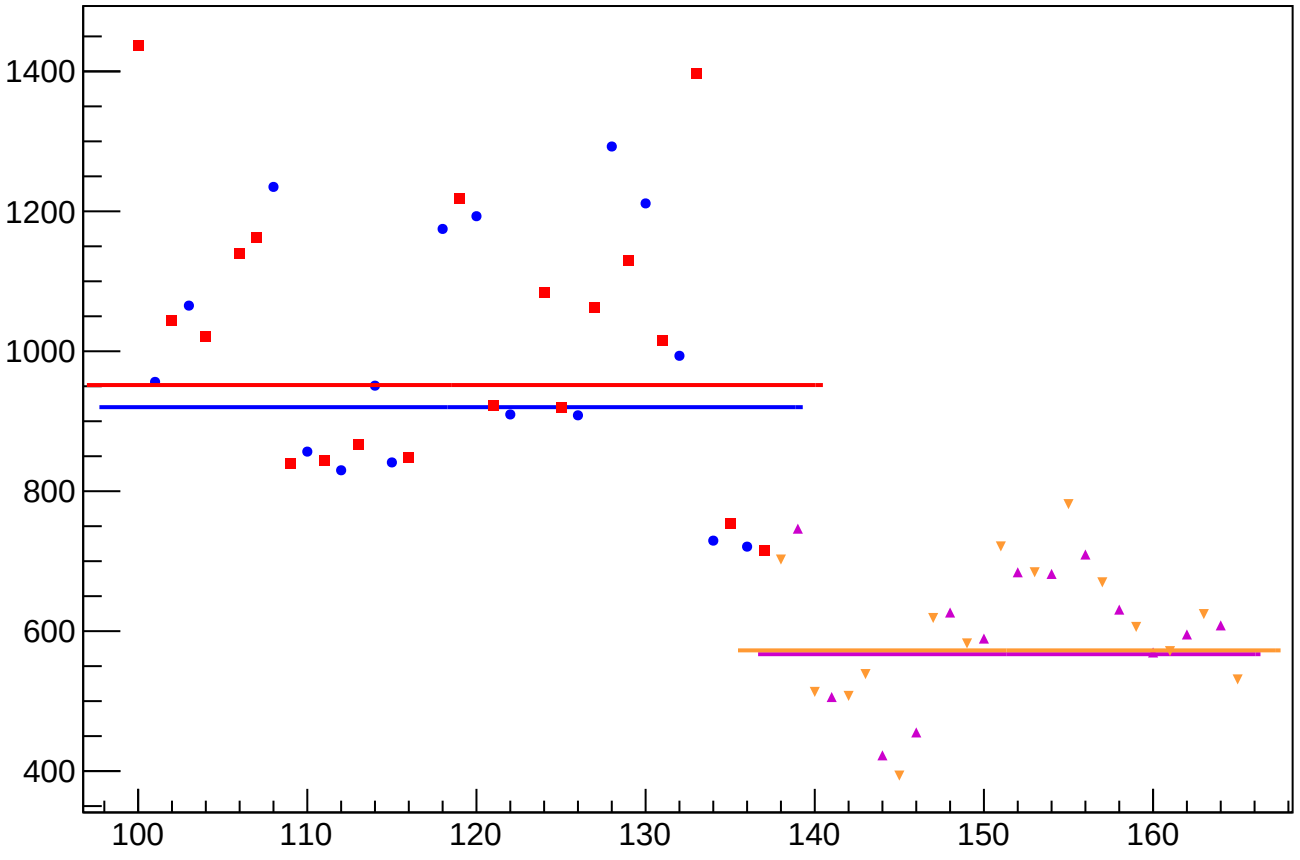
Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: 104.111+/-174.482 χ^2/NDF:7.7/12

+ sign 908.155+/-152.781 χ^2/NDF: 51.6/30

All: 569.996+/-109.340 χ^2/NDF: 81.7/62

- sign 214.954+/-156.548 χ^2/NDF: 20.1/31



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 572.525+/-0.120 χ^2/NDF:726361.3/14

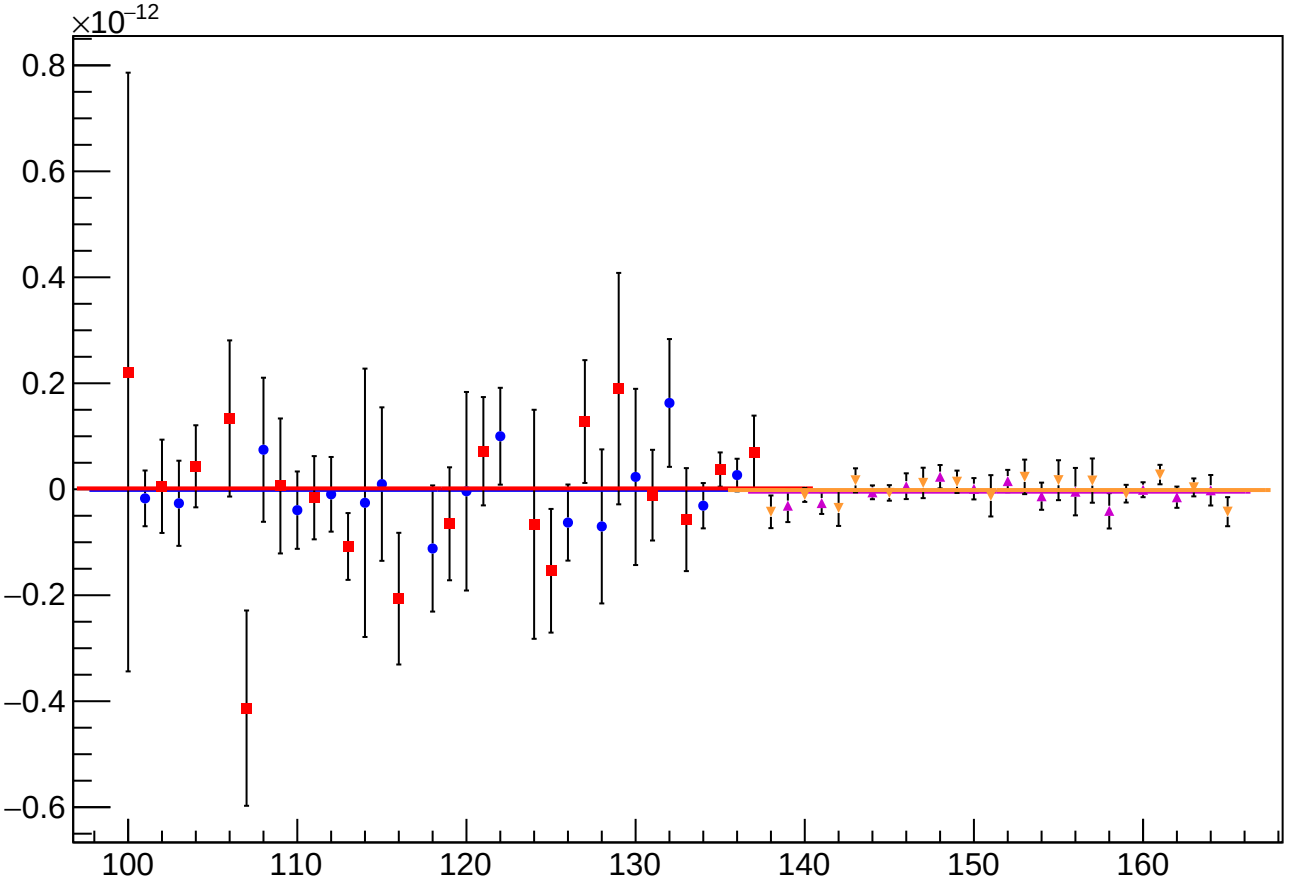
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 567.079+/-0.123 χ^2/NDF:645402.5/12

+ sign 638.618+/-0.108 χ^2/NDF: 2829201.7/30

All: 640.309+/-0.077 χ^2/NDF: 5786574.1/62

- sign 642.085+/-0.111 χ^2/NDF: 2956869.9/31



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/14

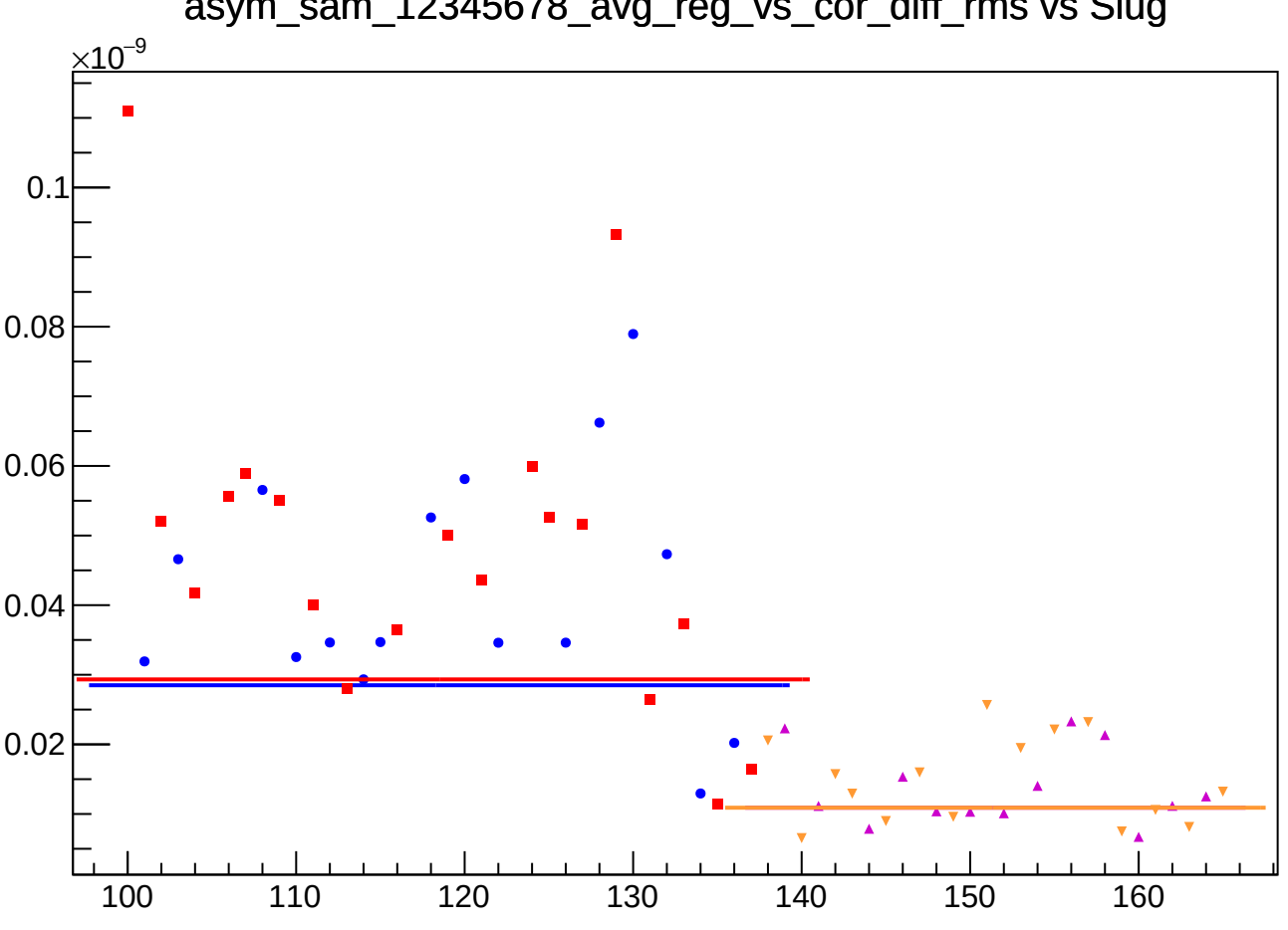
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/12

+ sign -0.000+/-0.000 χ^2/NDF: 18.0/30

All: -0.000+/-0.000 χ^2/NDF: 43.8/62

- sign -0.000+/-0.000 χ^2/NDF: 25.8/31



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1507839.1/14

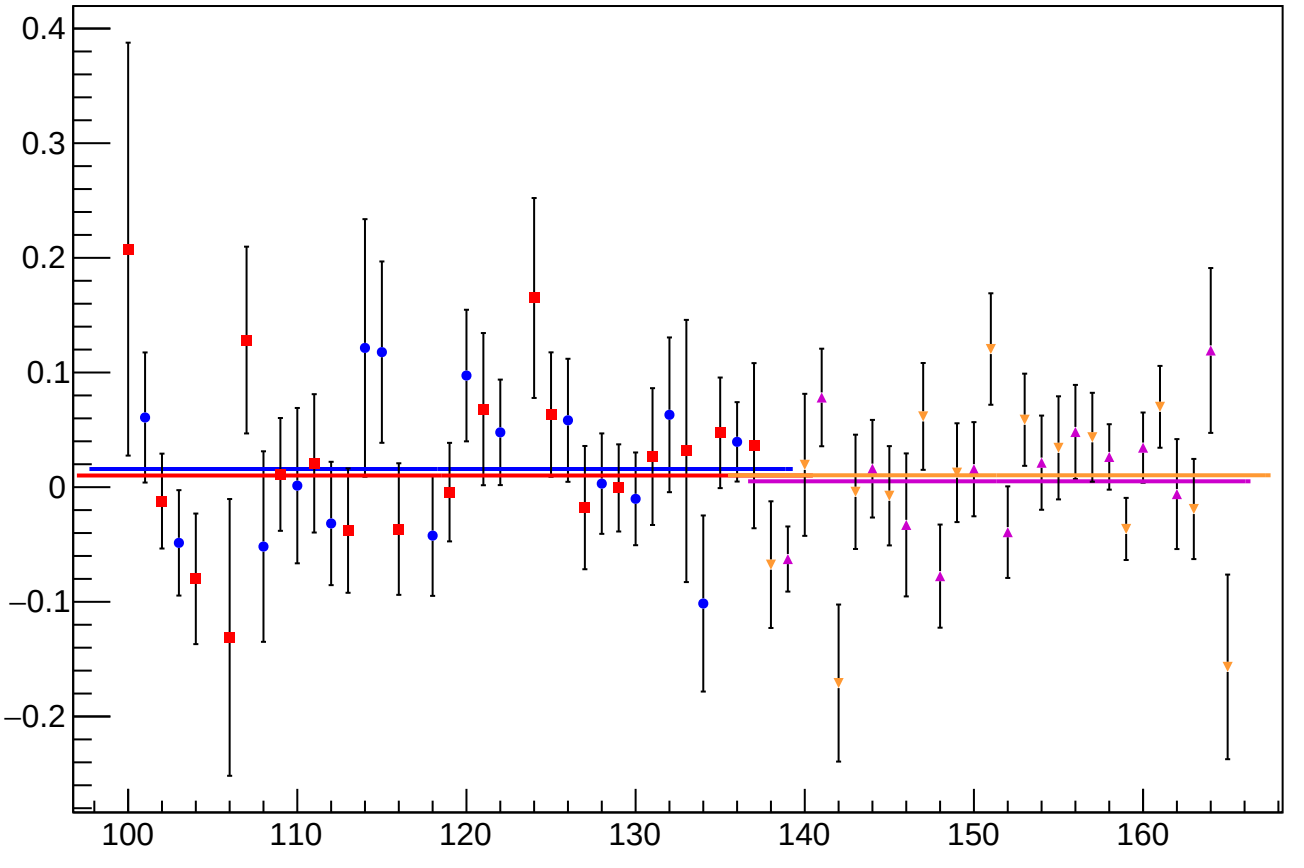
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1011785.8/12

+ sign 0.000+/-0.000 χ^2/NDF: 4455467.7/30

All: 0.000+/-0.000 χ^2/NDF: 8791703.9/62

- sign 0.000+/-0.000 χ^2/NDF: 4336175.2/31



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.011 χ^2/NDF:28.6/14

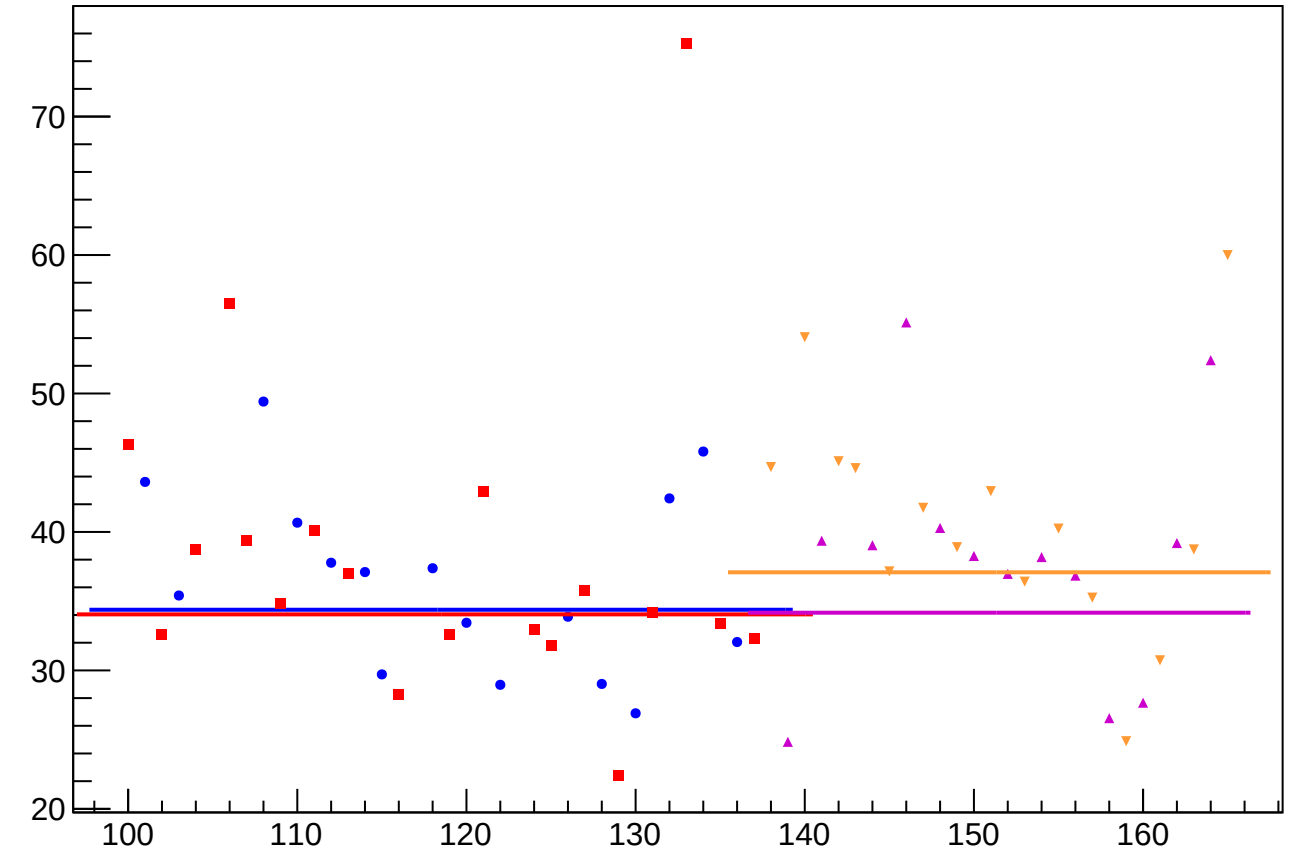
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.005+/-0.011 χ^2/NDF:19.1/12

+ sign 0.013+/-0.009 χ^2/NDF: 43.5/30

All: 0.010+/-0.006 χ^2/NDF: 78.0/62

- sign 0.007+/-0.008 χ^2/NDF: 34.3/31



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.086+/-0.008 χ^2/NDF:962420.3/14

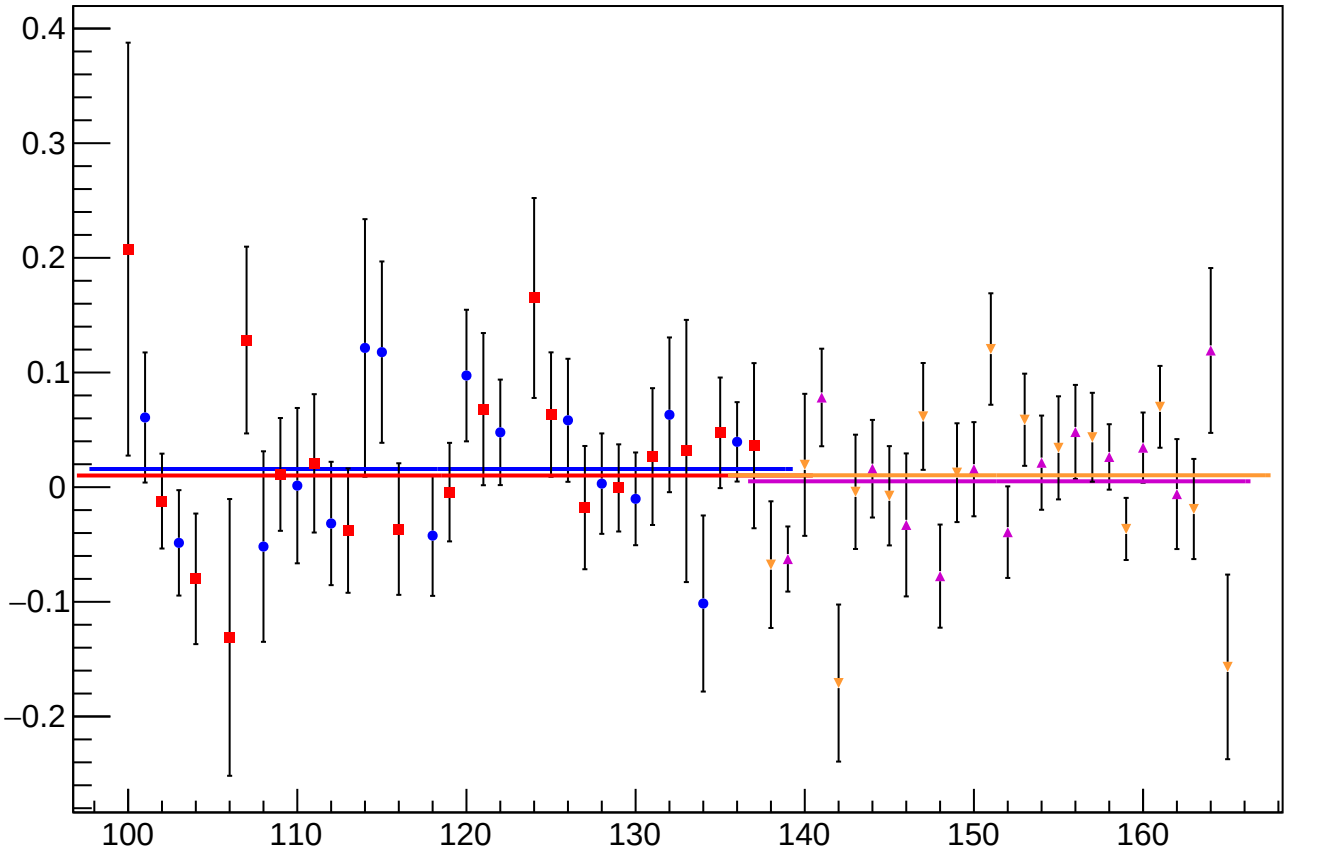
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.168+/-0.008 χ^2/NDF:975486.4/12

+ sign 35.956+/-0.006 χ^2/NDF: 1377761.3/30

All: 35.010+/-0.004 χ^2/NDF: 3042390.0/62

- sign 34.119+/-0.006 χ^2/NDF: 1618283.6/31



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.011 χ^2/NDF:28.6/14

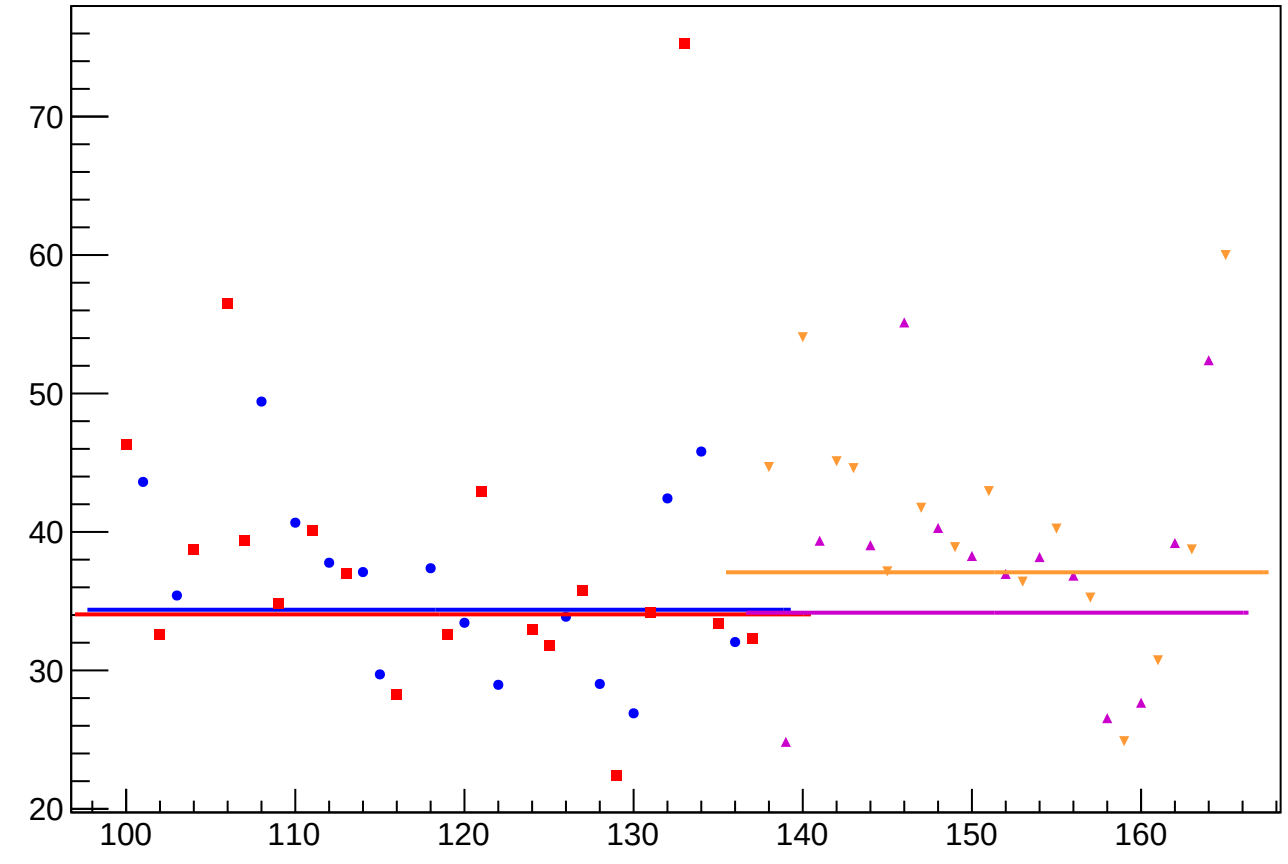
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.005+/-0.011 χ^2/NDF:19.1/12

+ sign 0.013+/-0.009 χ^2/NDF: 43.5/30

All: 0.010+/-0.006 χ^2/NDF: 78.0/62

- sign 0.007+/-0.008 χ^2/NDF: 34.3/31



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.086+/-0.008 χ^2/NDF:962420.3/14

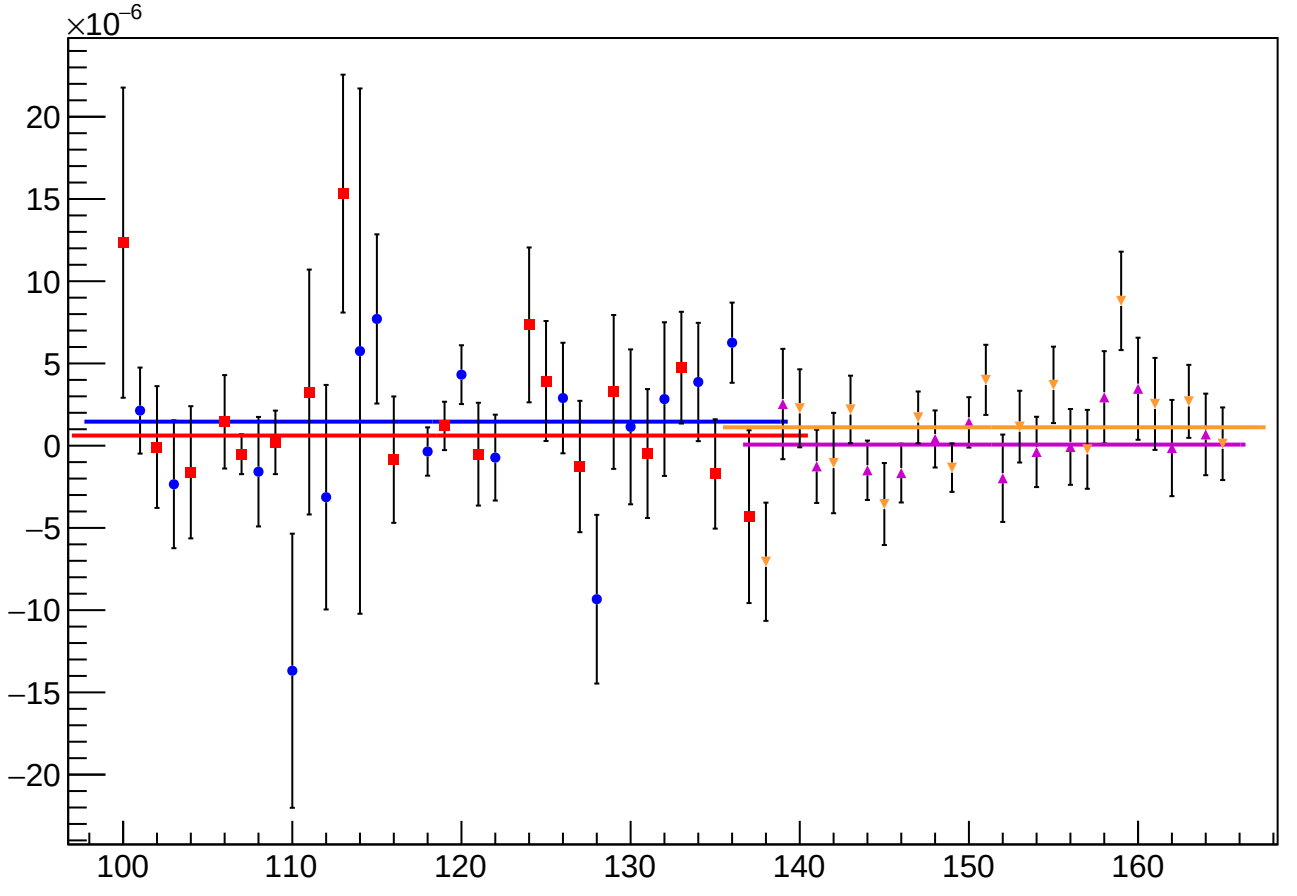
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.168+/-0.008 χ^2/NDF:975486.4/12

+ sign 35.956+/-0.006 χ^2/NDF: 1377761.3/30

All: 35.010+/-0.004 χ^2/NDF: 3042390.0/62

- sign 34.119+/-0.006 χ^2/NDF: 1618283.6/31



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/14

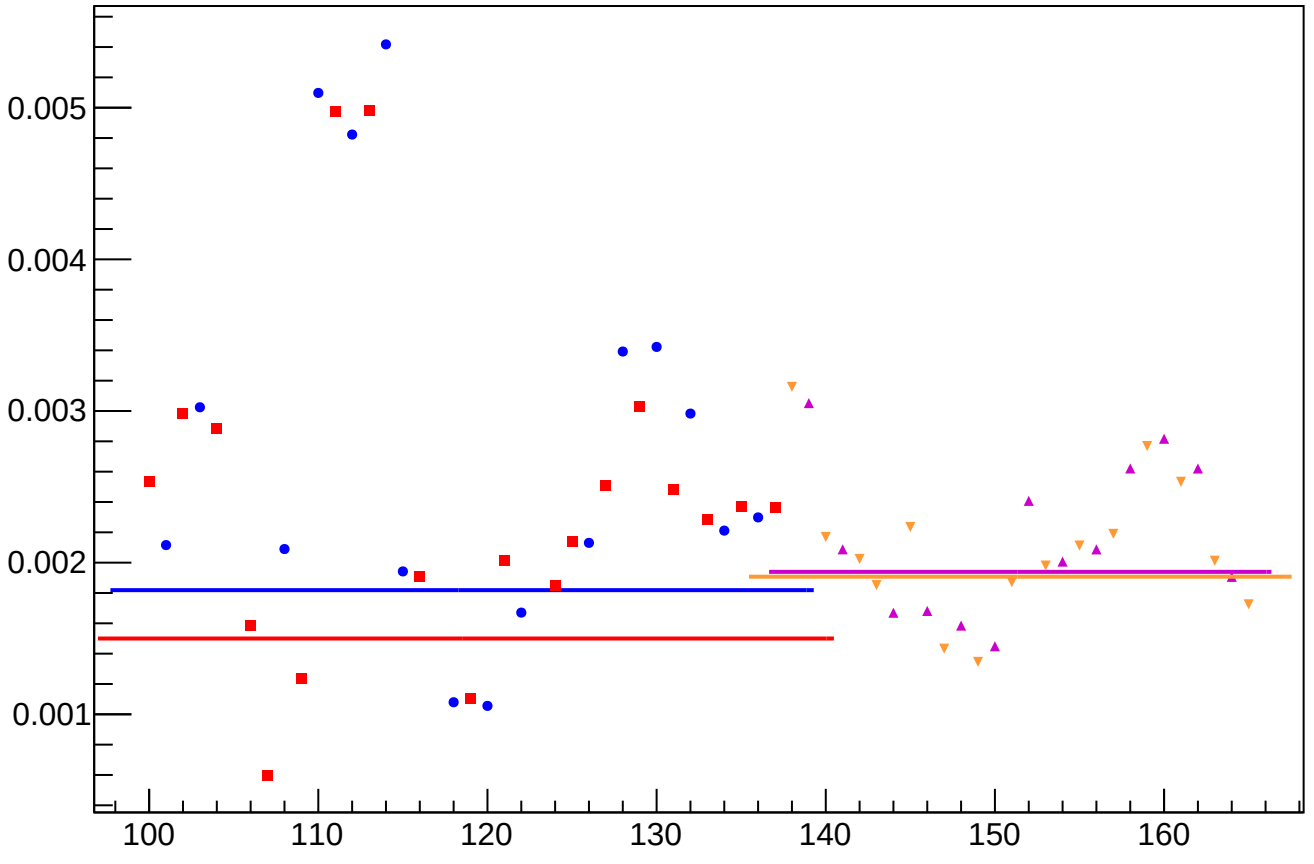
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/12

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/30

All: 0.000+/-0.000 χ^2/NDF: 67.4/62

- sign 0.000+/-0.000 χ^2/NDF: 20.7/31



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1108754.3/14

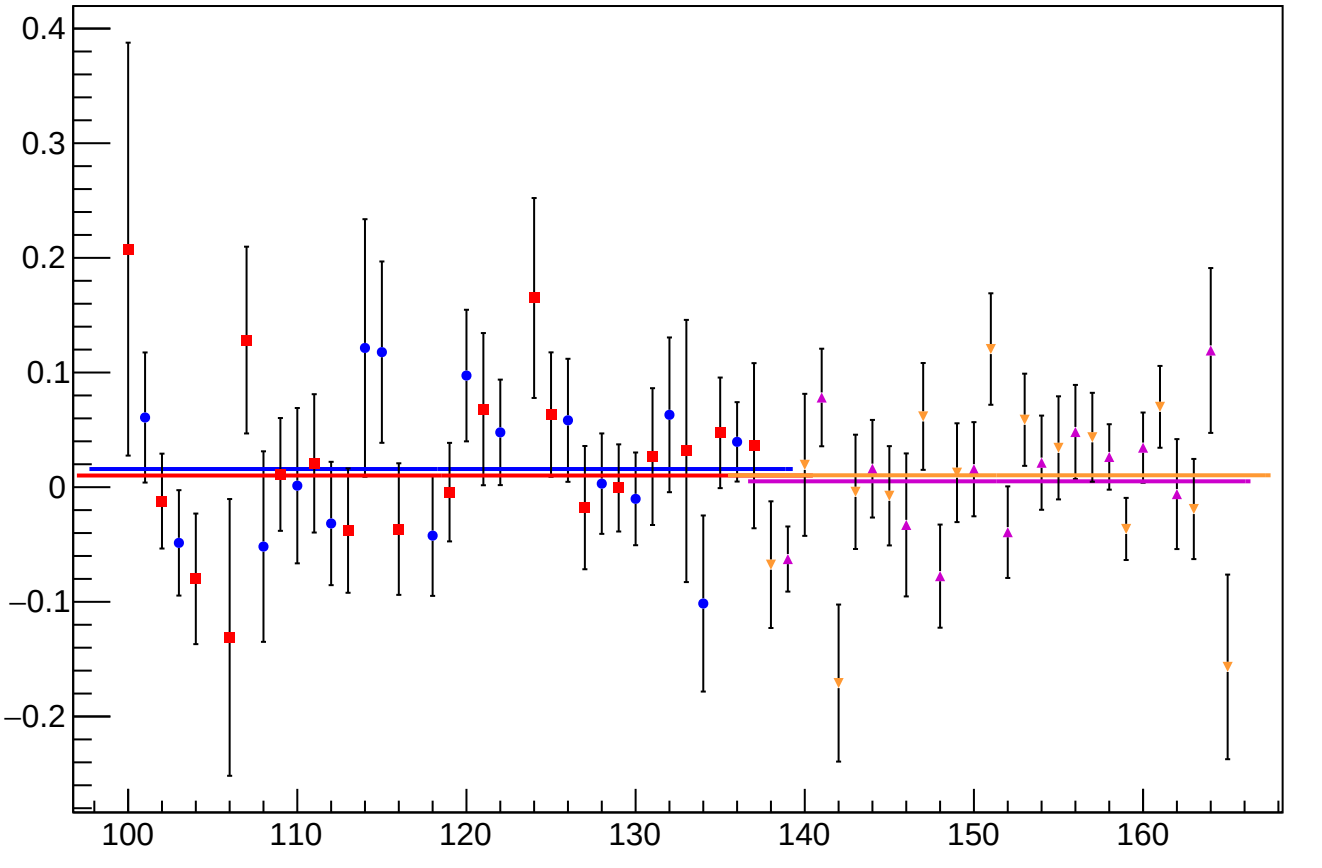
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1063122.2/12

+ sign 0.002+/-0.000 χ^2/NDF: 3696660.6/30

All: 0.002+/-0.000 χ^2/NDF: 9040836.8/62

- sign 0.002+/-0.000 χ^2/NDF: 5245266.6/31



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.011 χ^2/NDF:28.6/14

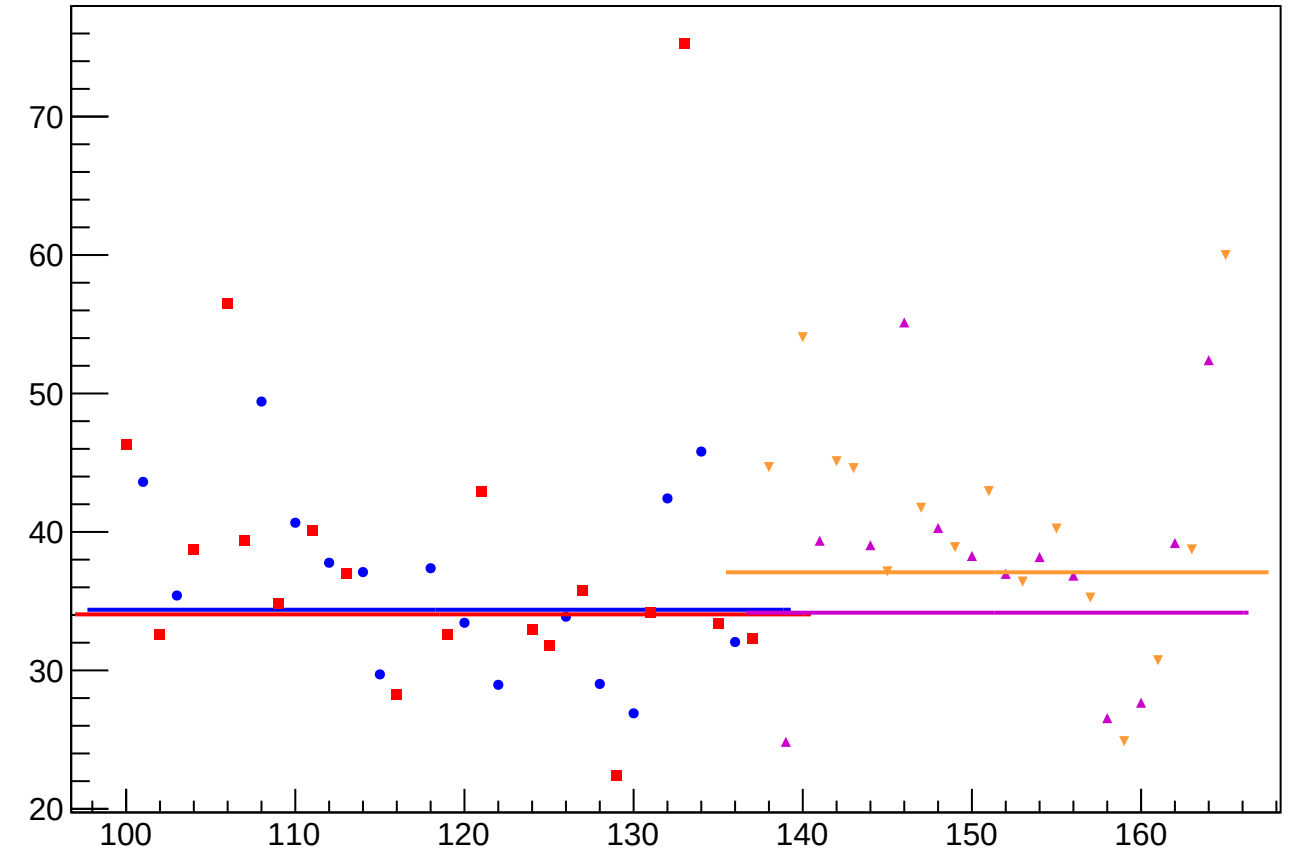
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.005+/-0.011 χ^2/NDF:19.1/12

+ sign 0.013+/-0.009 χ^2/NDF: 43.5/30

All: 0.010+/-0.006 χ^2/NDF: 78.0/62

- sign 0.007+/-0.008 χ^2/NDF: 34.3/31



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.087+/-0.008 χ^2/NDF:962485.0/14

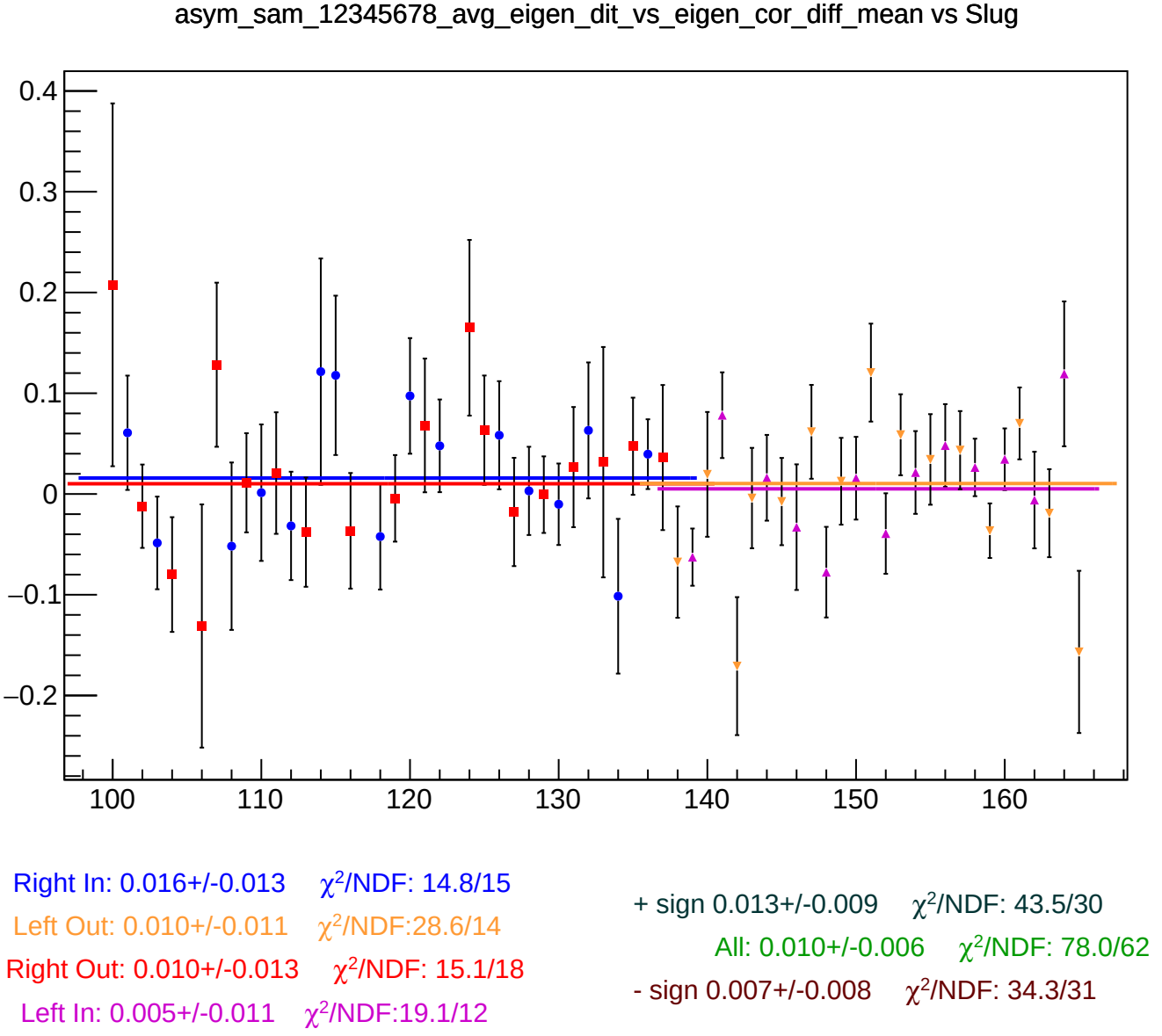
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

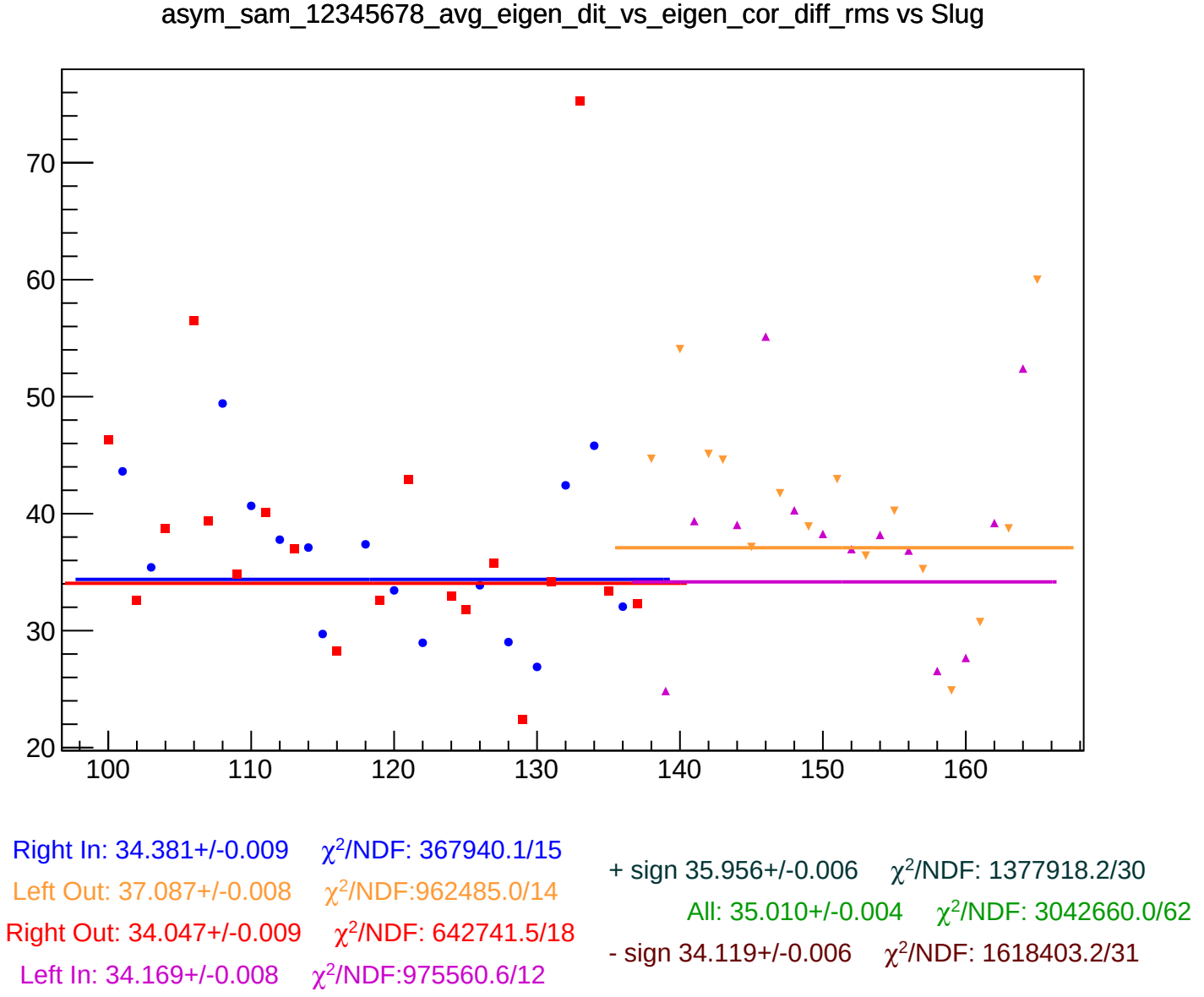
Left In: 34.169+/-0.008 χ^2/NDF:975560.6/12

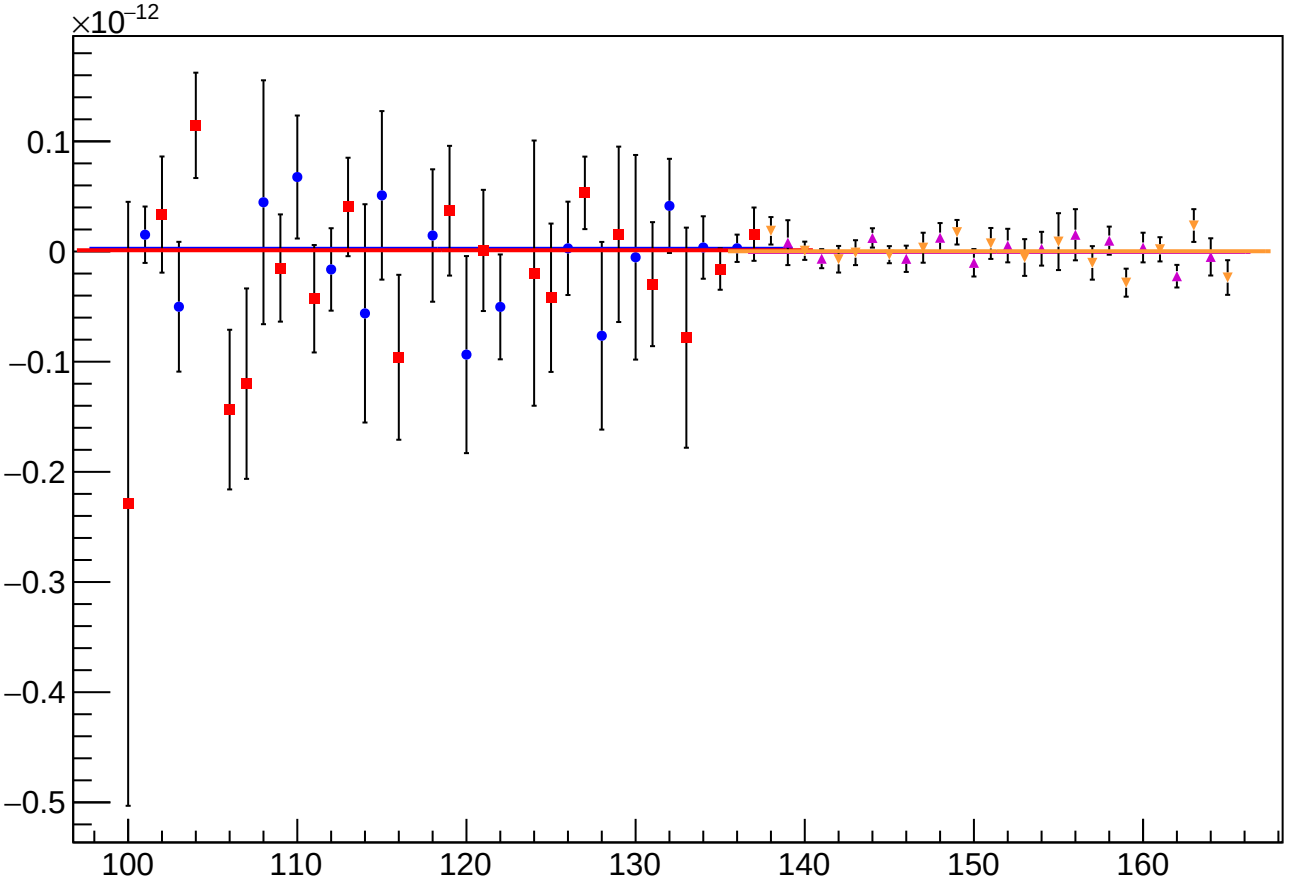
+ sign 35.956+/-0.006 χ^2/NDF: 1377918.2/30

All: 35.010+/-0.004 χ^2/NDF: 3042660.0/62

- sign 34.119+/-0.006 χ^2/NDF: 1618403.2/31


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.010+/-0.011 χ²/NDF:28.6/14
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.005+/-0.011 χ²/NDF:19.1/12
+ sign 0.013+/-0.009 χ²/NDF: 43.5/30
All: 0.010+/-0.006 χ²/NDF: 78.0/62
- sign 0.007+/-0.008 χ²/NDF: 34.3/31


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 37.087+/-0.008 χ²/NDF:962485.0/14
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.169+/-0.008 χ²/NDF:975560.6/12
+ sign 35.956+/-0.006 χ²/NDF: 1377918.2/30
All: 35.010+/-0.004 χ²/NDF: 3042660.0/62
- sign 34.119+/-0.006 χ²/NDF: 1618403.2/31



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.0/14

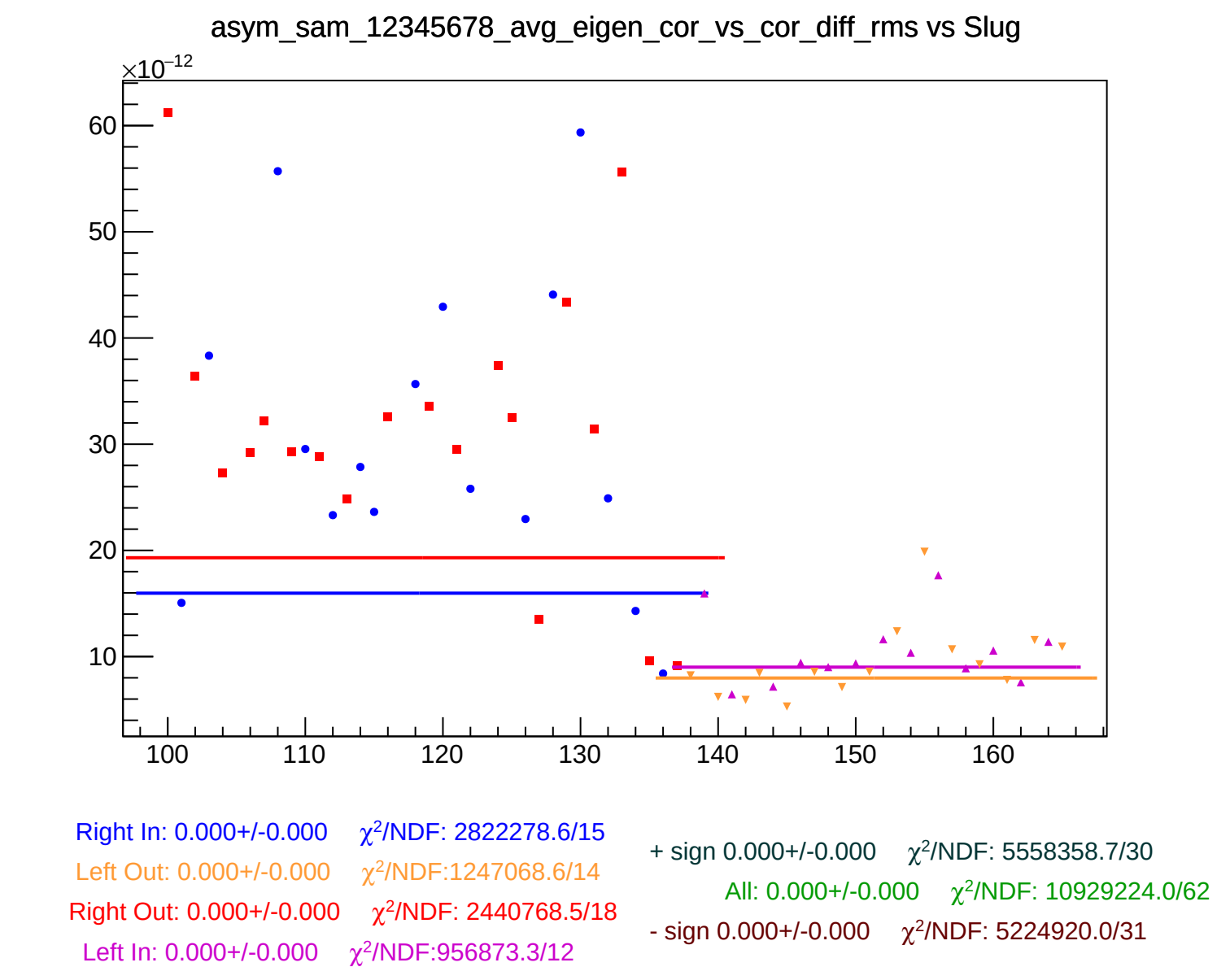
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/12

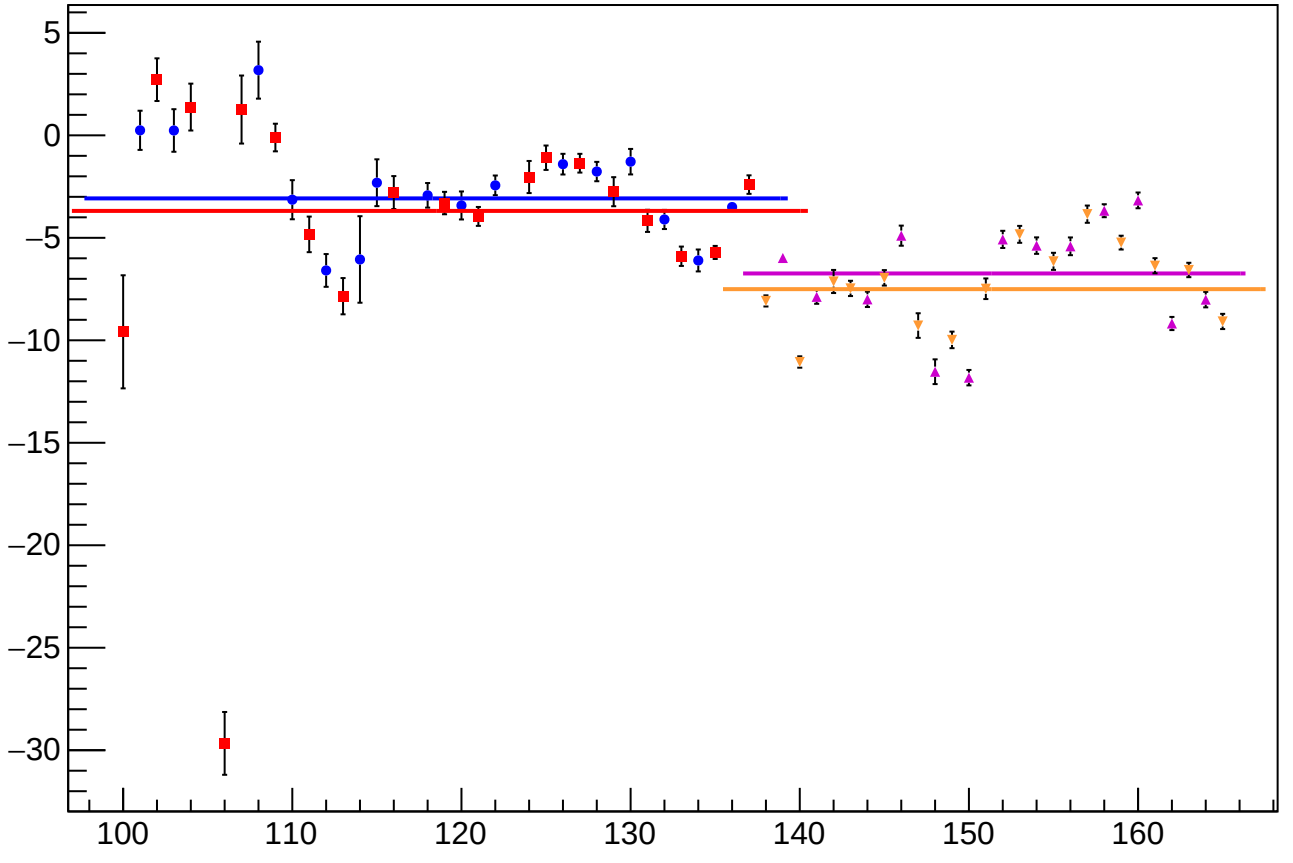
+ sign 0.000+/-0.000 χ^2/NDF: 23.7/30

All: 0.000+/-0.000 χ^2/NDF: 55.9/62

- sign -0.000+/-0.000 χ^2/NDF: 32.2/31


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1247068.6/14
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:956873.3/12
+ sign 0.000+/-0.000 χ²/NDF: 5558358.7/30
All: 0.000+/-0.000 χ²/NDF: 10929224.0/62
- sign 0.000+/-0.000 χ²/NDF: 5224920.0/31

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.504+/-0.097 χ^2/NDF:425.6/14

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

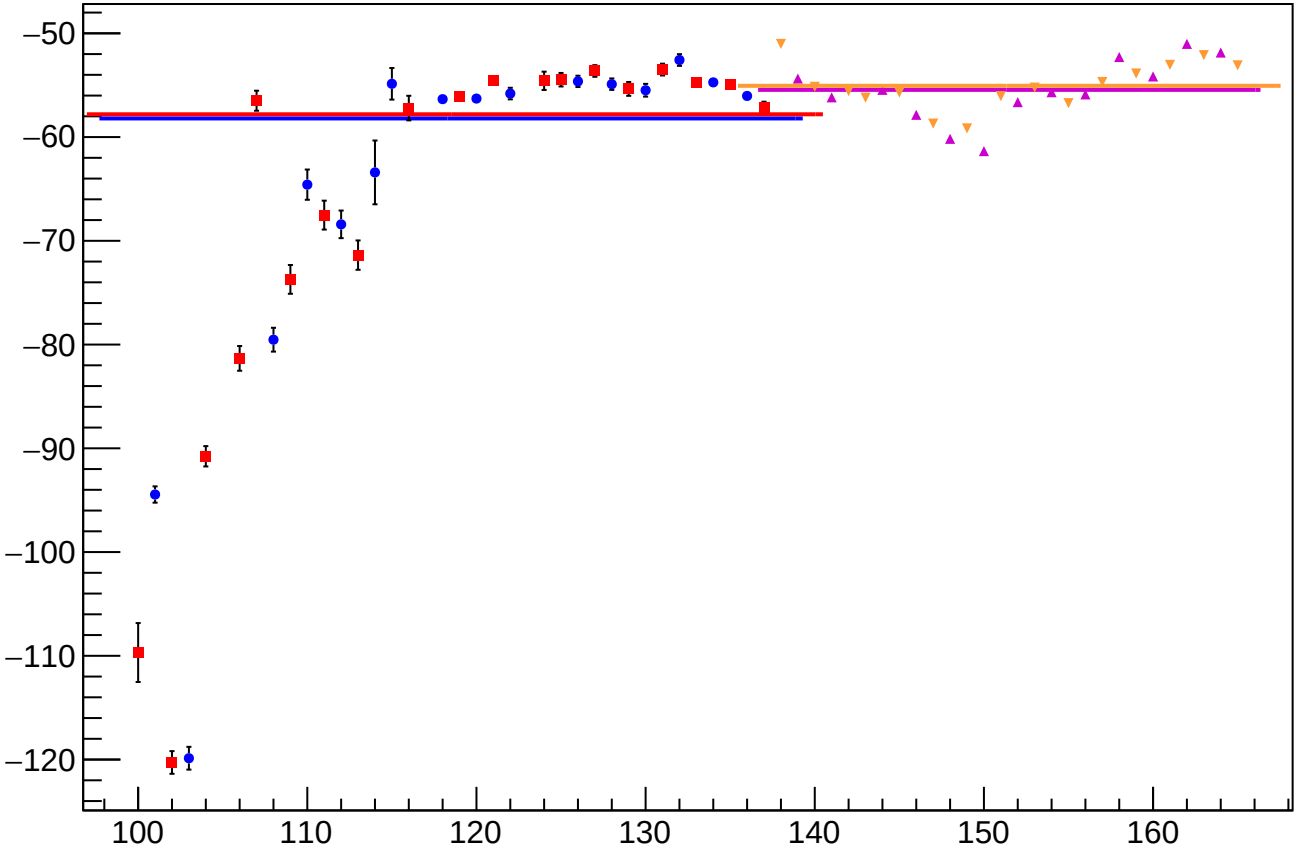
Left In: -6.739+/-0.101 χ^2/NDF:577.1/12

+ sign -5.993+/-0.079 χ^2/NDF: 1265.5/30

All: -5.849+/-0.057 χ^2/NDF: 2695.9/62

- sign -5.694+/-0.082 χ^2/NDF: 1423.5/31

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.057+/-0.071 χ^2/NDF:926.6/14

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

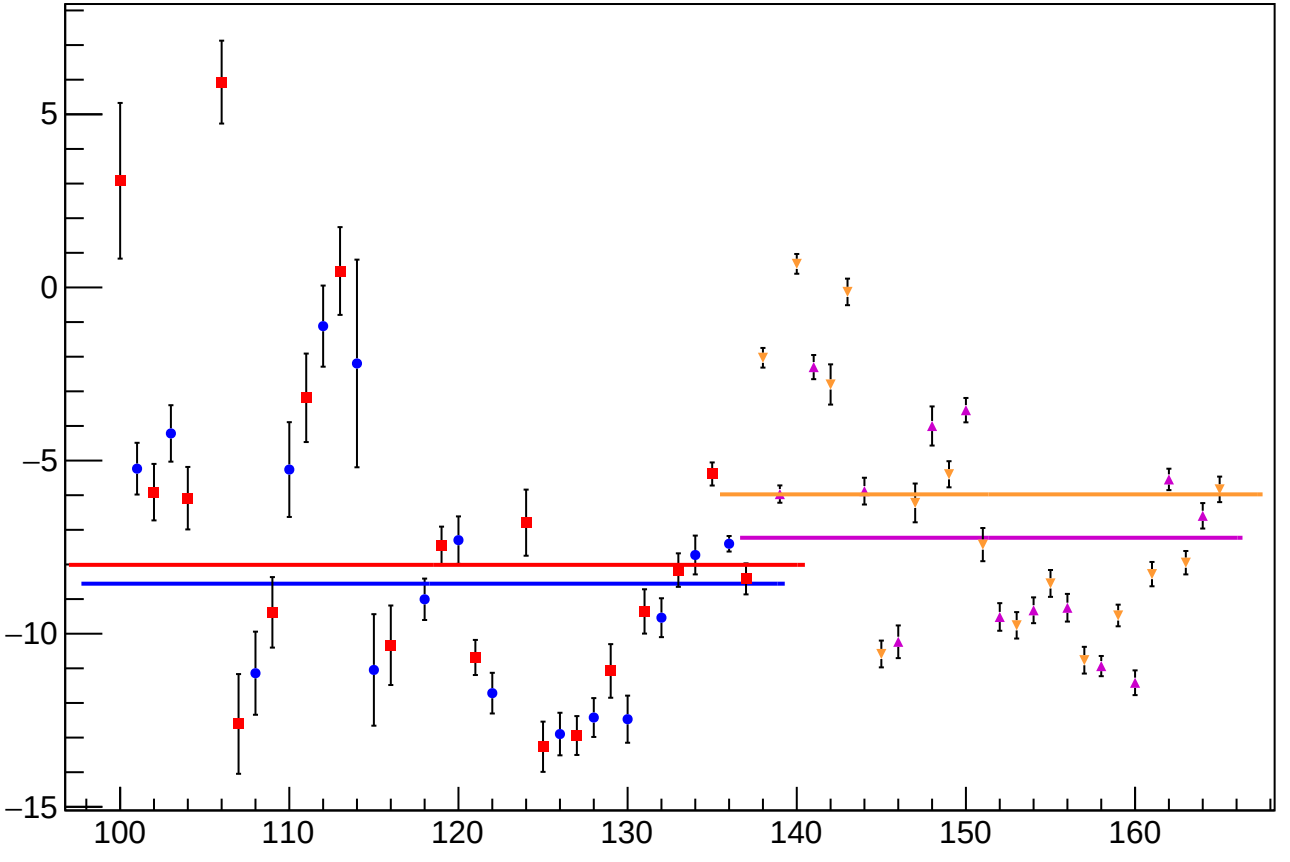
Left In: -55.451+/-0.076 χ^2/NDF:1593.6/12

+ sign -55.741+/-0.063 χ^2/NDF: 7475.4/30

All: -55.861+/-0.046 χ^2/NDF: 15091.2/62

- sign -55.996+/-0.067 χ^2/NDF: 7608.1/31

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.976+/-0.095 χ^2/NDF:1651.0/14

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

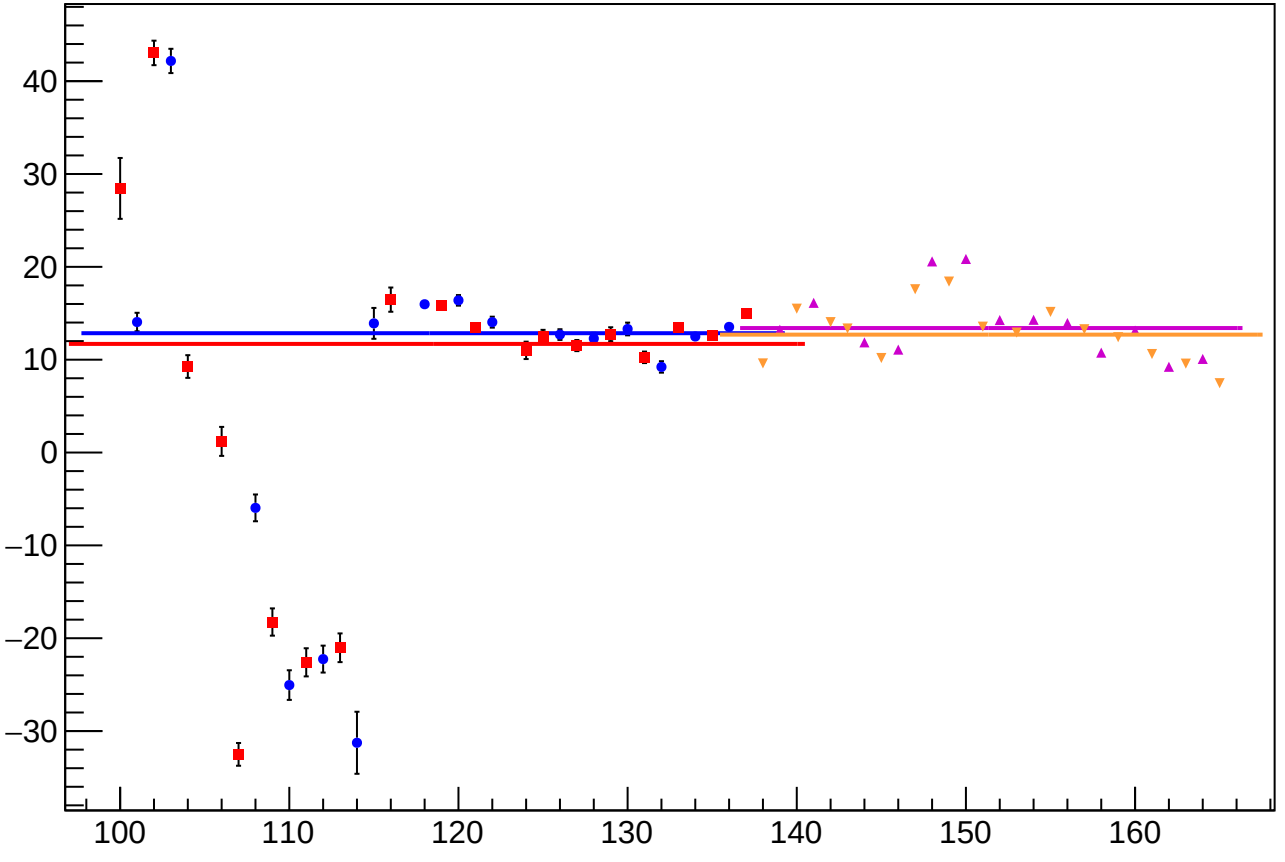
Left In: -7.229+/-0.098 χ^2/NDF:841.3/12

+ sign -6.755+/-0.080 χ^2/NDF: 2173.5/30

All: -7.093+/-0.057 χ^2/NDF: 3560.2/62

- sign -7.457+/-0.083 χ^2/NDF: 1349.2/31

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.699+/-0.081 χ^2/NDF:1281.9/14

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

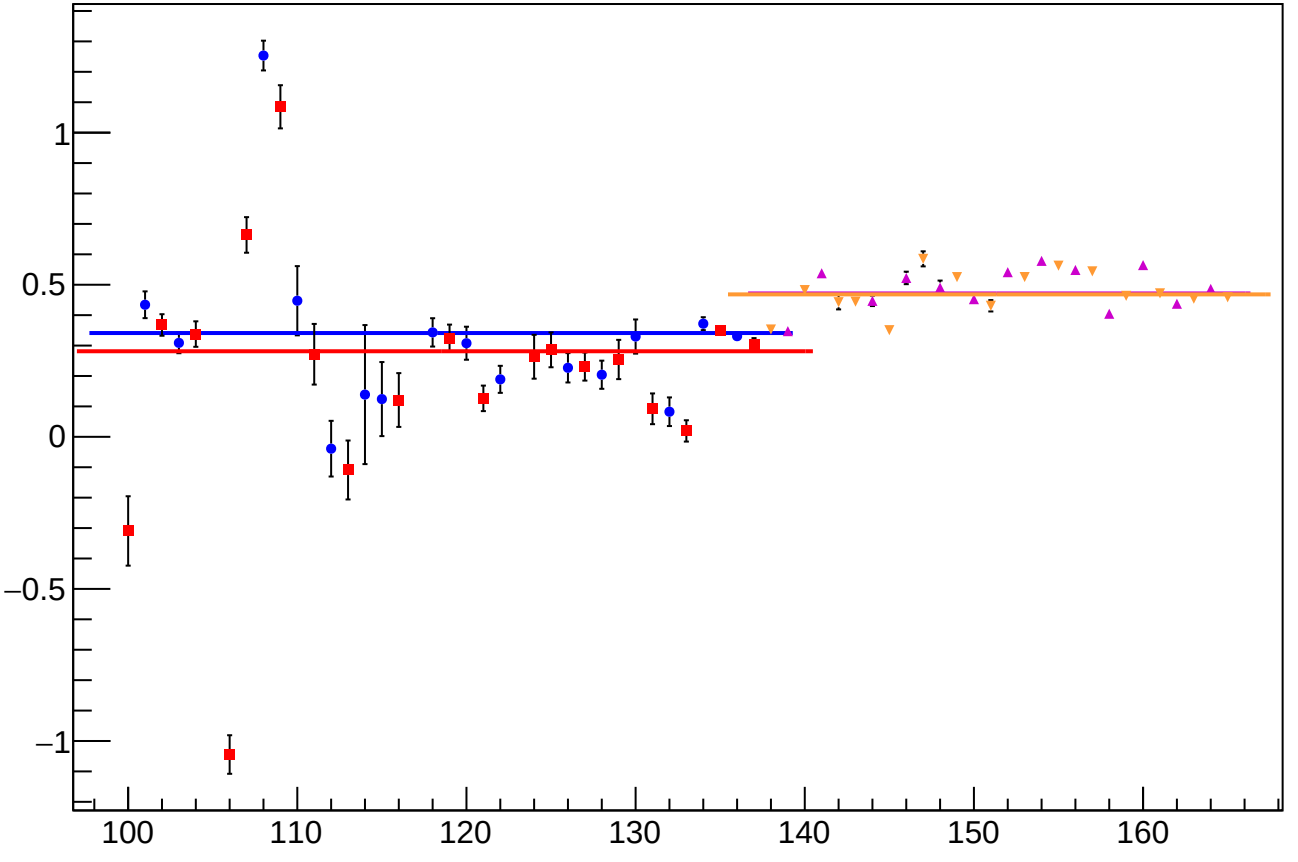
Left In: 13.408+/-0.085 χ^2/NDF:1630.2/12

\+ sign 12.734+/-0.071 χ^2/NDF: 3411.2/30

All: 12.866+/-0.052 χ^2/NDF: 8640.5/62

\- sign 13.010+/-0.075 χ^2/NDF: 5222.2/31

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.468+/-0.004 χ^2/NDF:323.9/14

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

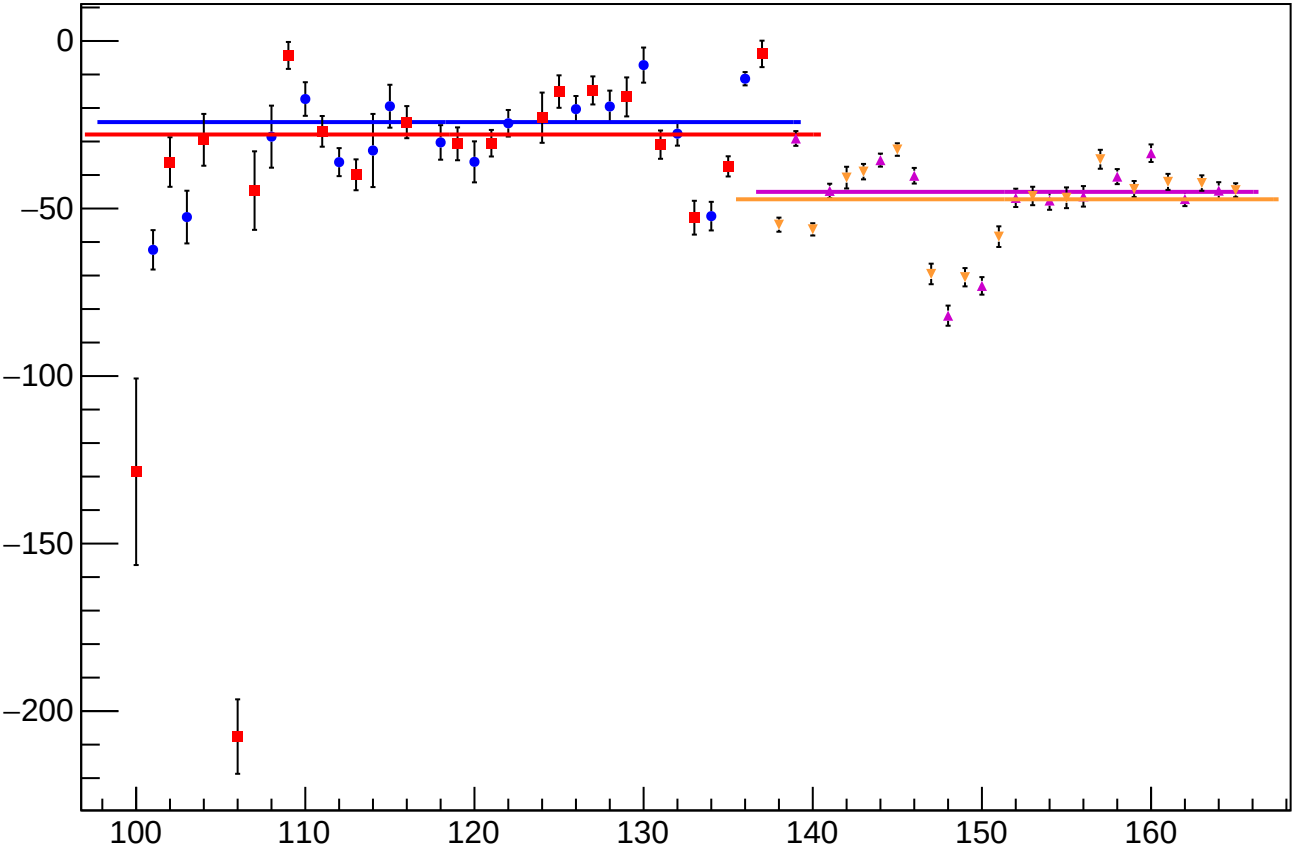
Left In: 0.471+/-0.004 χ^2/NDF:465.5/12

+ sign 0.447+/-0.003 χ^2/NDF: 974.6/30

All: 0.444+/-0.002 χ^2/NDF: 2644.3/62

- sign 0.442+/-0.003 χ^2/NDF: 1668.7/31

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.245+/-0.624 χ^2/NDF:285.3/14

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

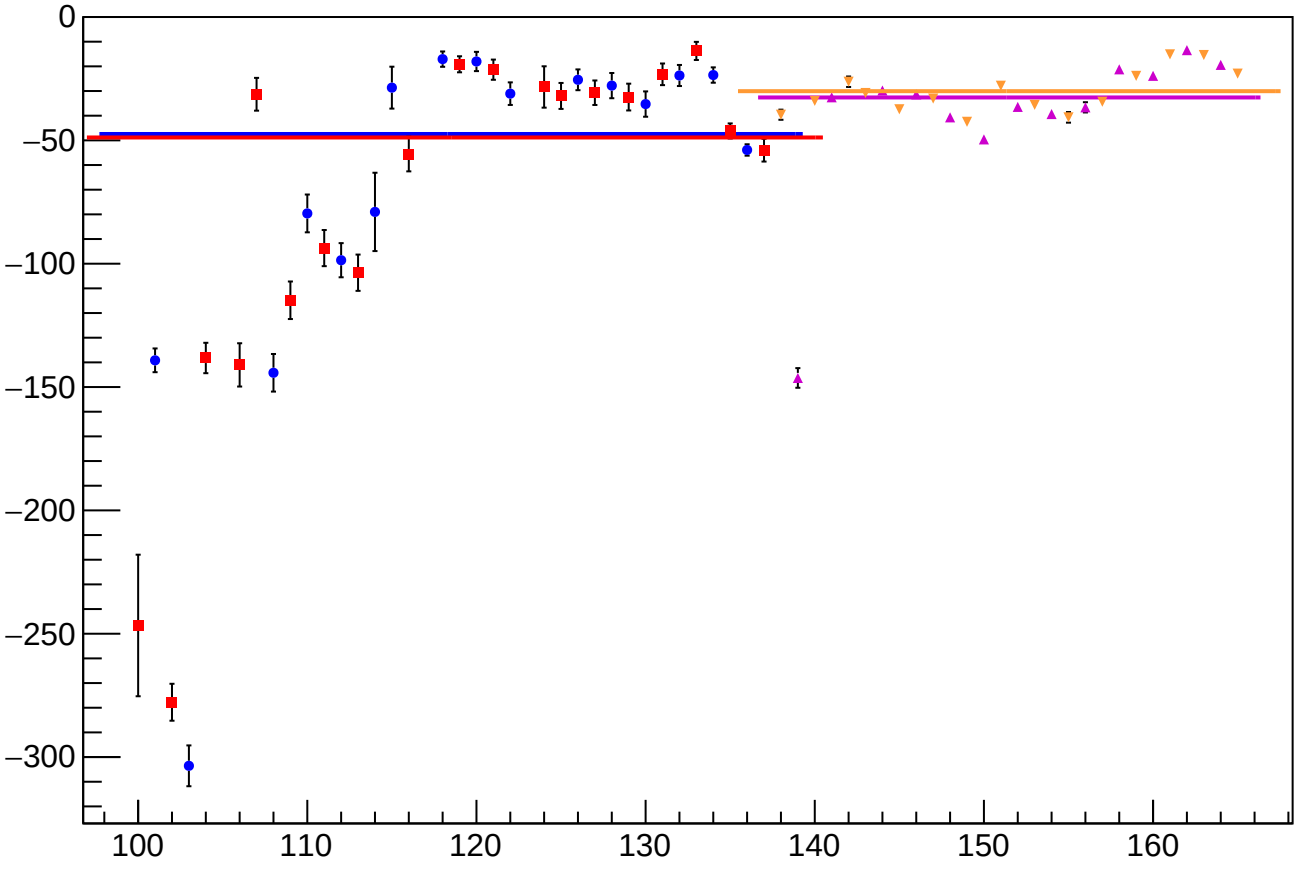
Left In: -45.029+/-0.670 χ^2/NDF:372.4/12

+ sign -41.527+/-0.541 χ^2/NDF: 794.2/30

All: -41.101+/-0.395 χ^2/NDF: 1749.6/62

- sign -40.615+/-0.577 χ^2/NDF: 954.1/31

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -30.064+/-0.441 χ^2/NDF:350.6/14

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

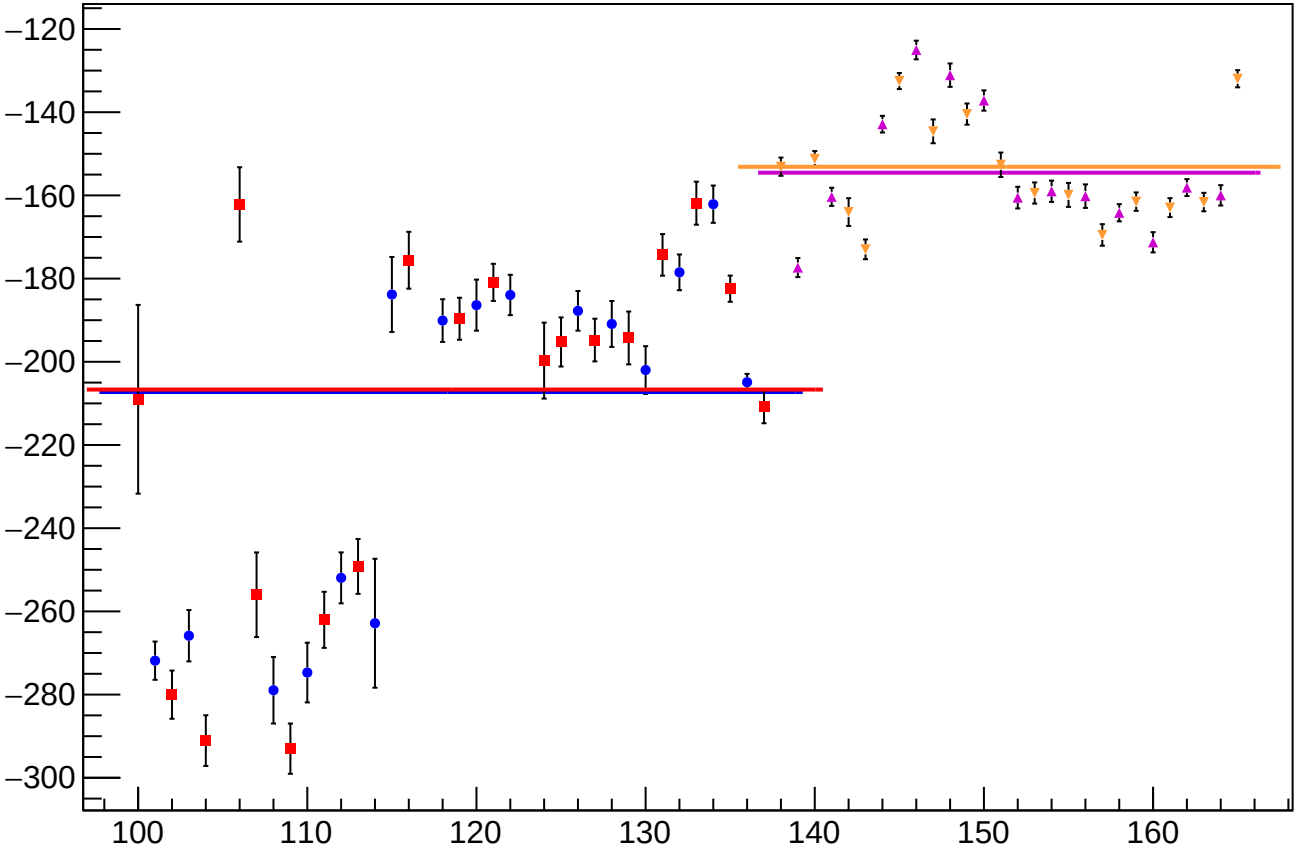
Left In: -32.612+/-0.470 χ^2/NDF:1233.5/12

+ sign -32.464+/-0.409 χ^2/NDF: 2438.3/30

All: -33.568+/-0.299 χ^2/NDF: 5624.5/62

- sign -34.822+/-0.437 χ^2/NDF: 3170.7/31

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -153.124+/-0.612 χ^2/NDF:432.6/14

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

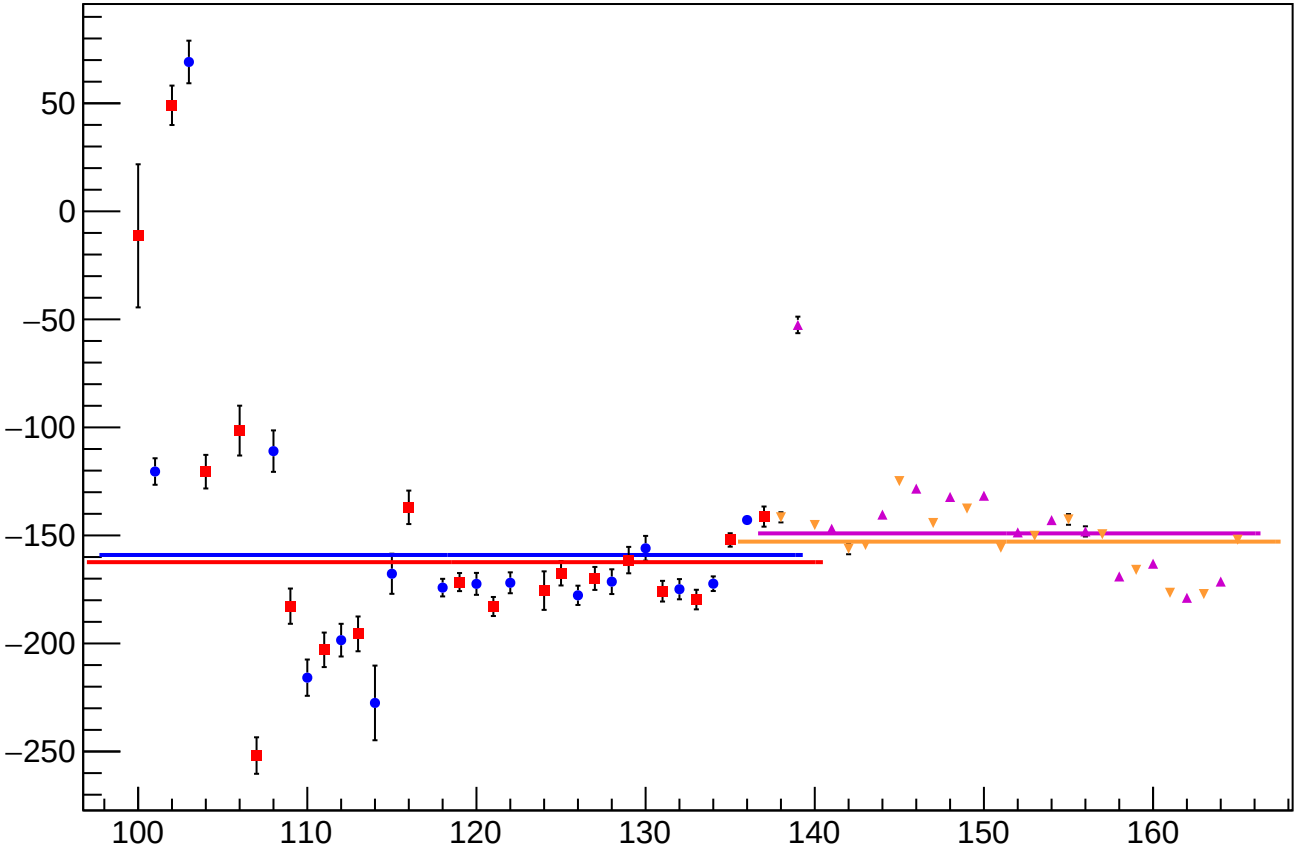
Left In: -154.544+/-0.649 χ^2/NDF:521.7/12

+ sign -164.619+/-0.543 χ^2/NDF: 2844.1/30

All: -164.894+/-0.396 χ^2/NDF: 5656.3/62

- sign -165.206+/-0.579 χ^2/NDF: 2811.6/31

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -152.866+/-0.508 χ^2/NDF:844.4/14

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

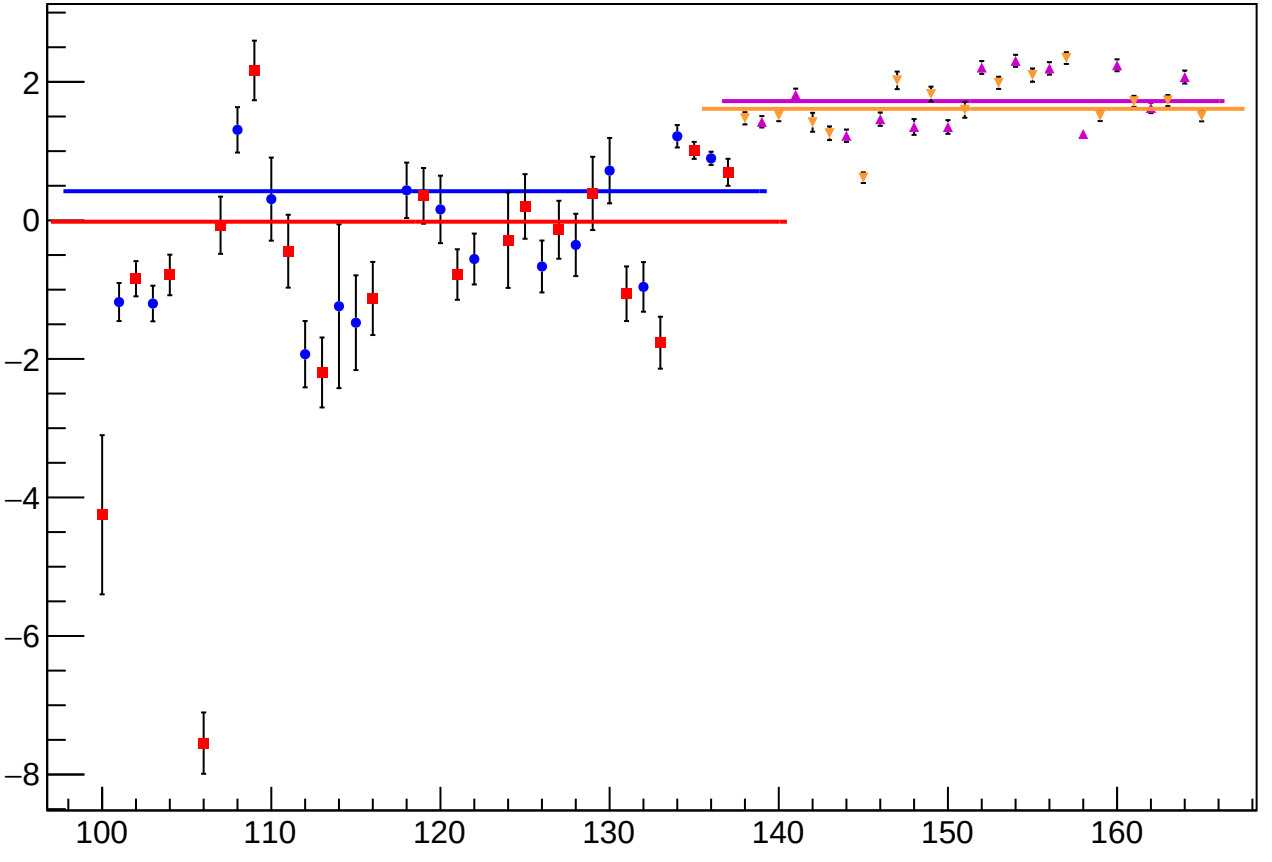
Left In: -149.056+/-0.541 χ^2/NDF:1602.6/12

+ sign -153.774+/-0.469 χ^2/NDF: 1681.9/30

All: -152.458+/-0.343 χ^2/NDF: 4260.5/62

- sign -150.961+/-0.501 χ^2/NDF: 2561.8/31

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.611+/-0.023 χ^2/NDF:327.0/14

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

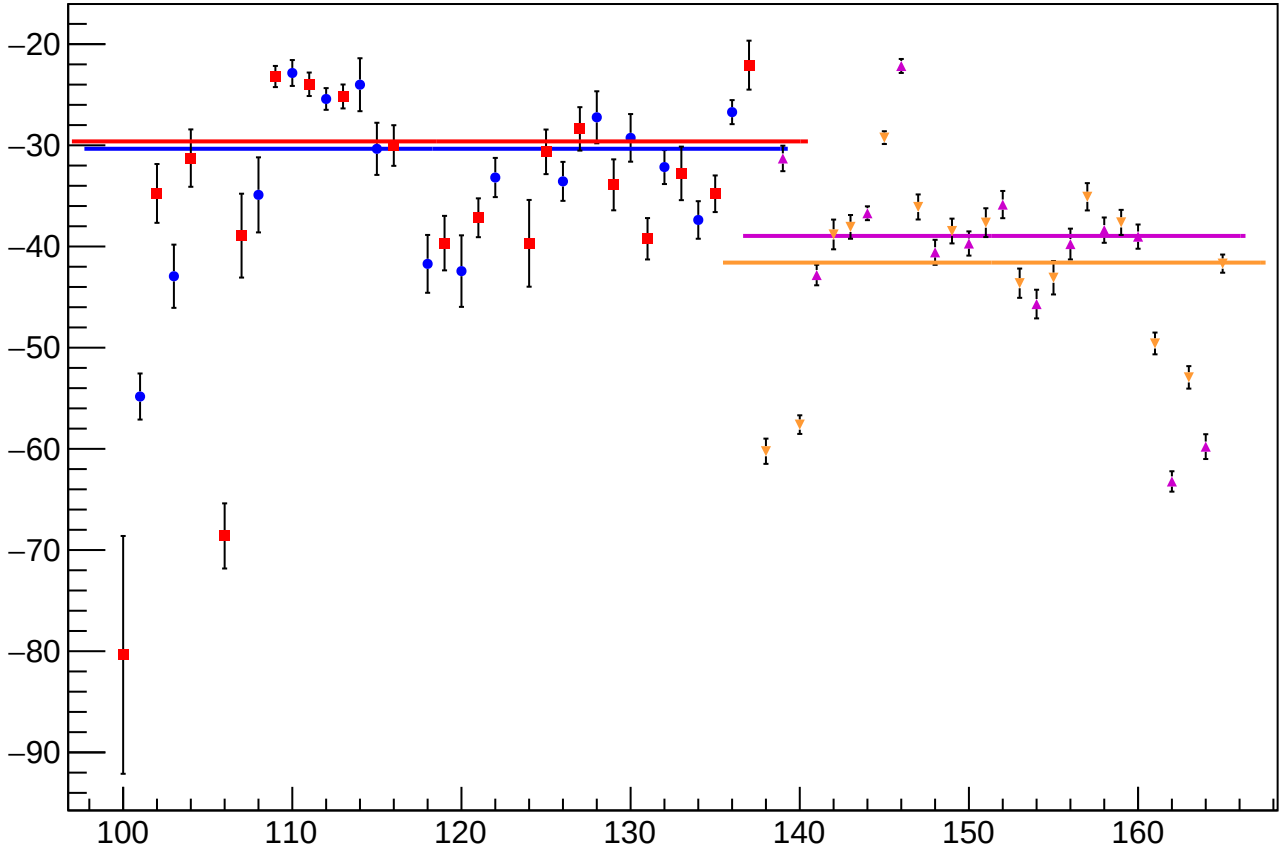
Left In: 1.722+/-0.024 χ^2/NDF:272.0/12

\+ sign 1.476+/-0.022 χ^2/NDF: 823.0/30

All: 1.508+/-0.016 χ^2/NDF: 2108.2/62

\- sign 1.544+/-0.023 χ^2/NDF: 1280.5/31

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -41.591+/-0.285 χ^2/NDF:1150.3/14

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

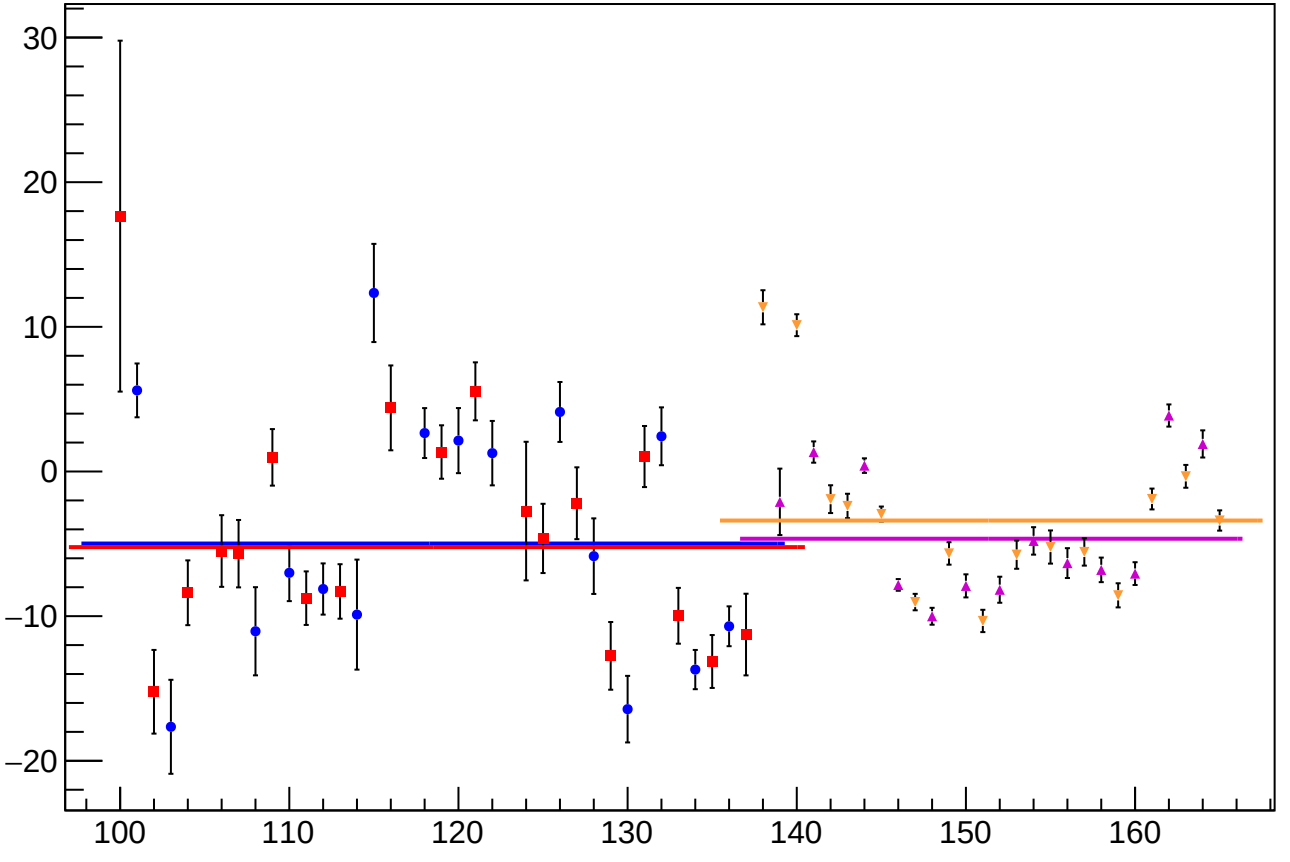
Left In: -38.955+/-0.293 χ^2/NDF:1552.0/12

+ sign -38.542+/-0.244 χ^2/NDF: 1825.4/30

All: -37.370+/-0.173 χ^2/NDF: 4055.5/62

- sign -36.179+/-0.246 χ^2/NDF: 2183.5/31

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.390+/-0.200 χ^2/NDF:738.9/14

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

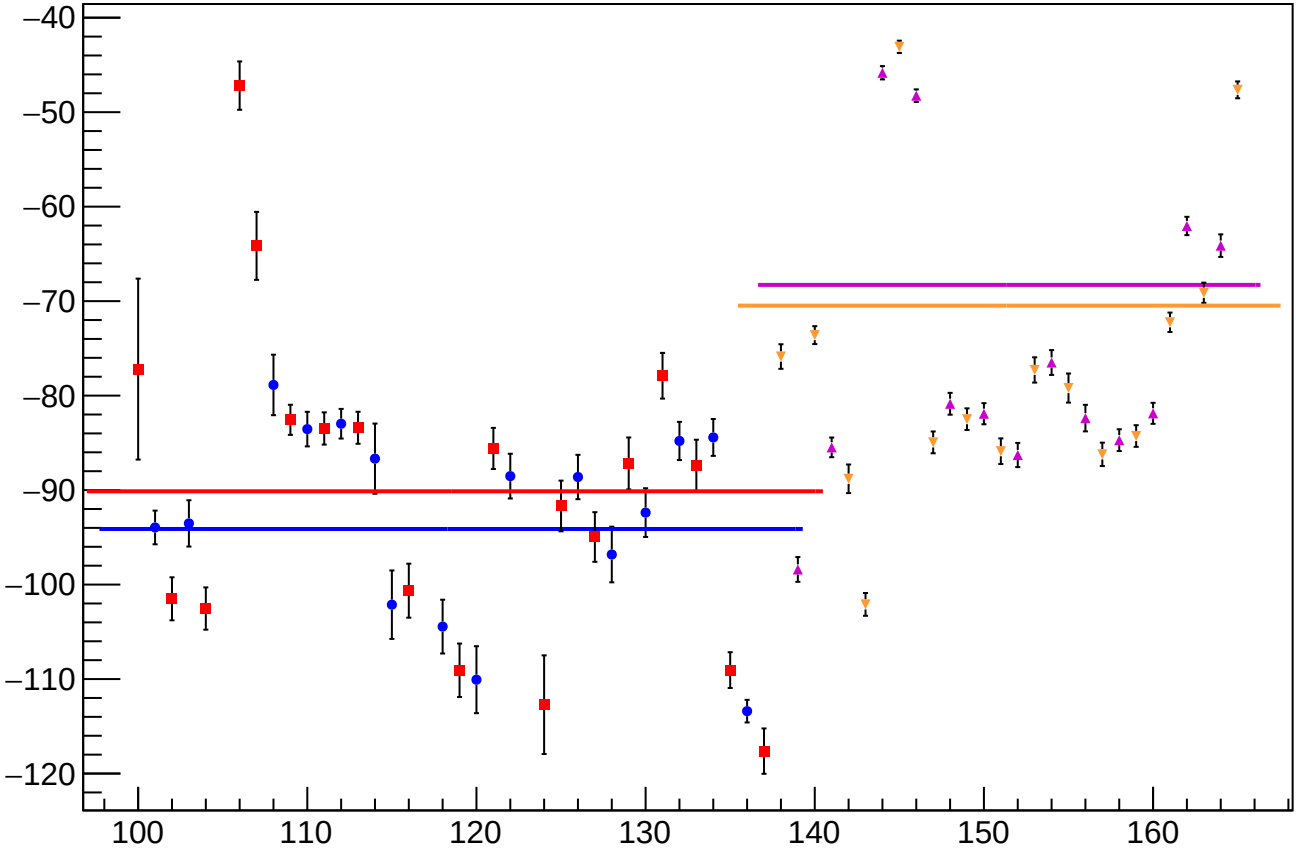
Left In: -4.648+/-0.197 χ^2/NDF:537.6/12

+ sign -3.601+/-0.186 χ^2/NDF: 984.7/30

All: -4.165+/-0.131 χ^2/NDF: 1678.1/62

- sign -4.720+/-0.185 χ^2/NDF: 675.1/31

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -70.476+/-0.280 χ^2/NDF:4056.0/14

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

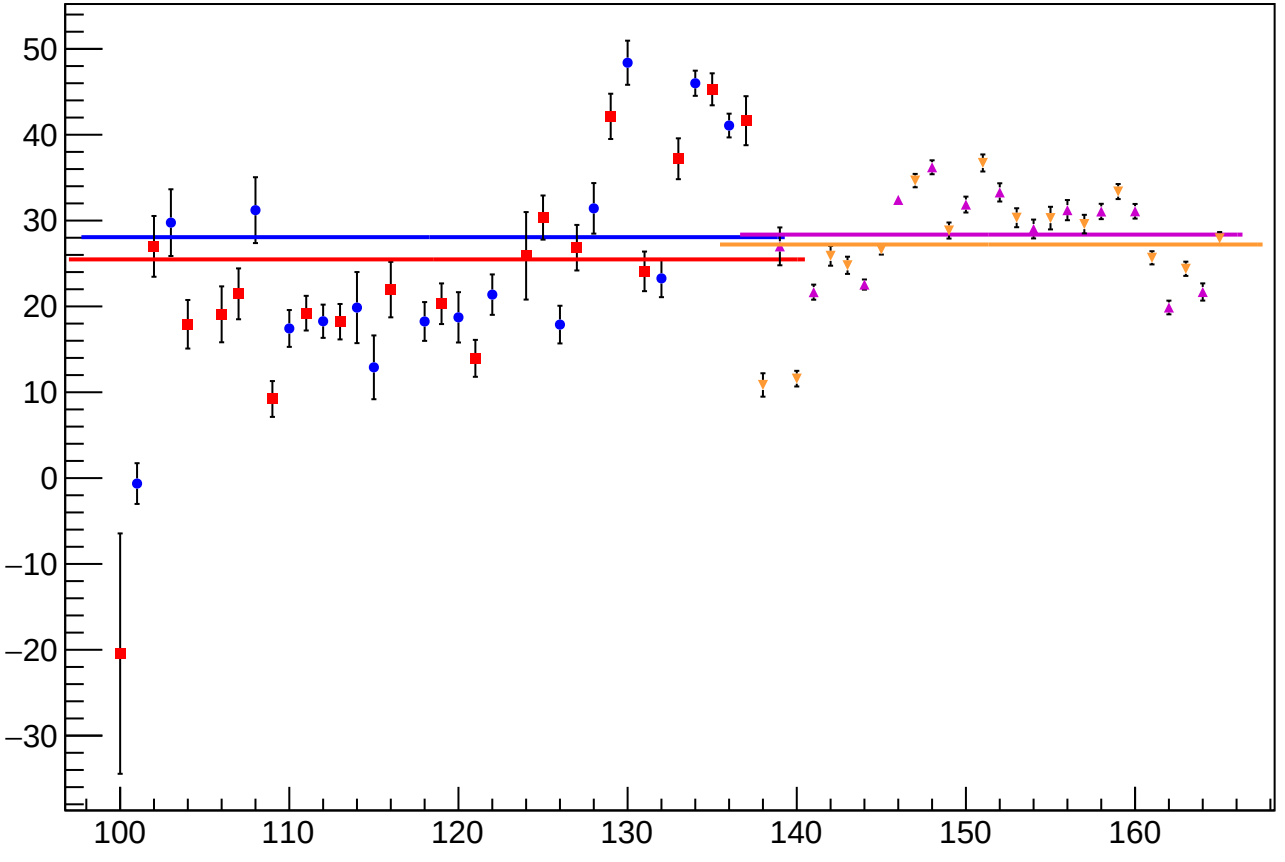
Left In: -68.281+/-0.285 χ^2/NDF:3732.4/12

+ sign -75.540+/-0.249 χ^2/NDF: 6045.4/30

All: -74.282+/-0.177 χ^2/NDF: 11889.2/62

- sign -72.989+/-0.252 χ^2/NDF: 5791.9/31

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.213+/-0.232 χ^2/NDF:715.2/14

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

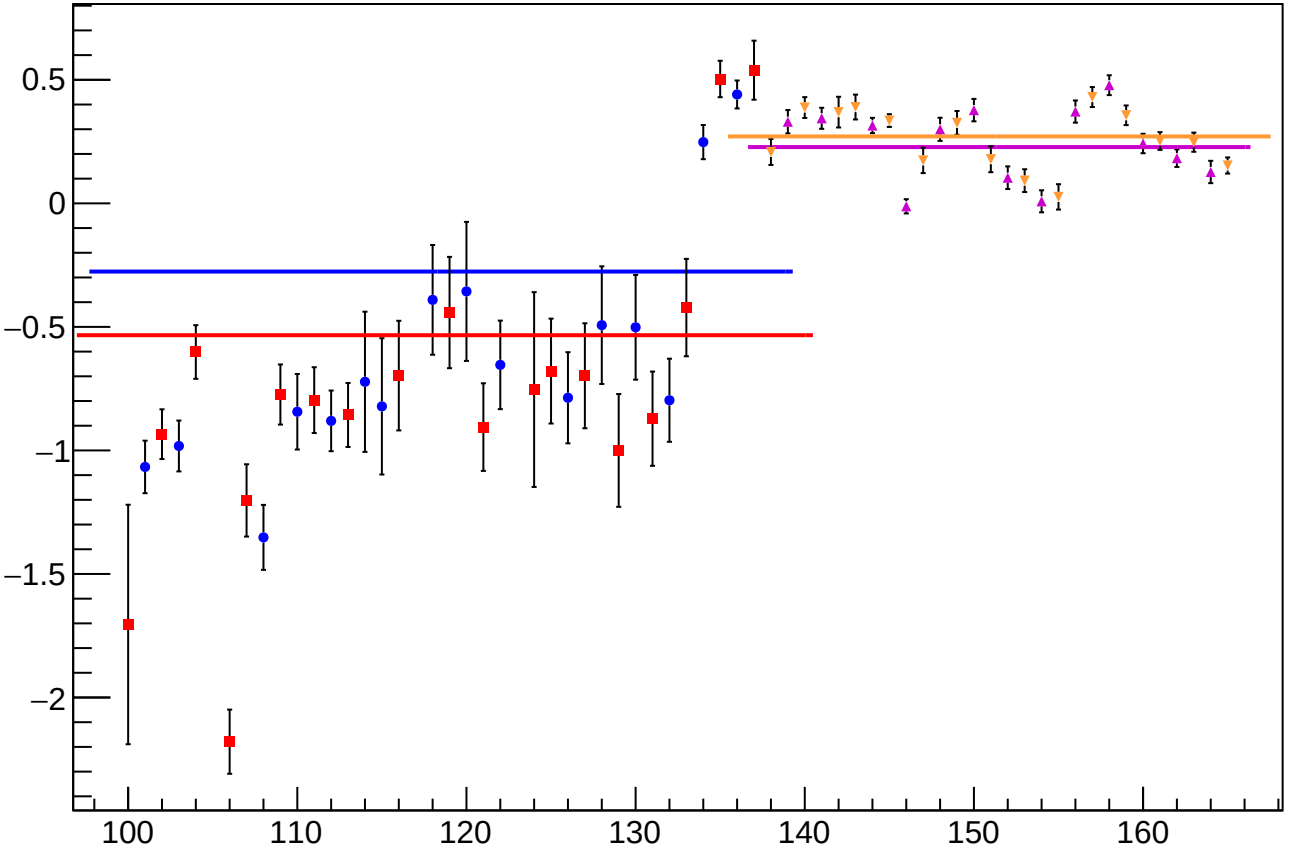
Left In: 28.366+/-0.232 χ^2/NDF:530.4/12

+ sign 27.334+/-0.214 χ^2/NDF: 1300.2/30

All: 27.654+/-0.152 χ^2/NDF: 2210.4/62

- sign 27.978+/-0.216 χ^2/NDF: 905.7/31

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.271+/-0.011 χ^2/NDF:102.9/14

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

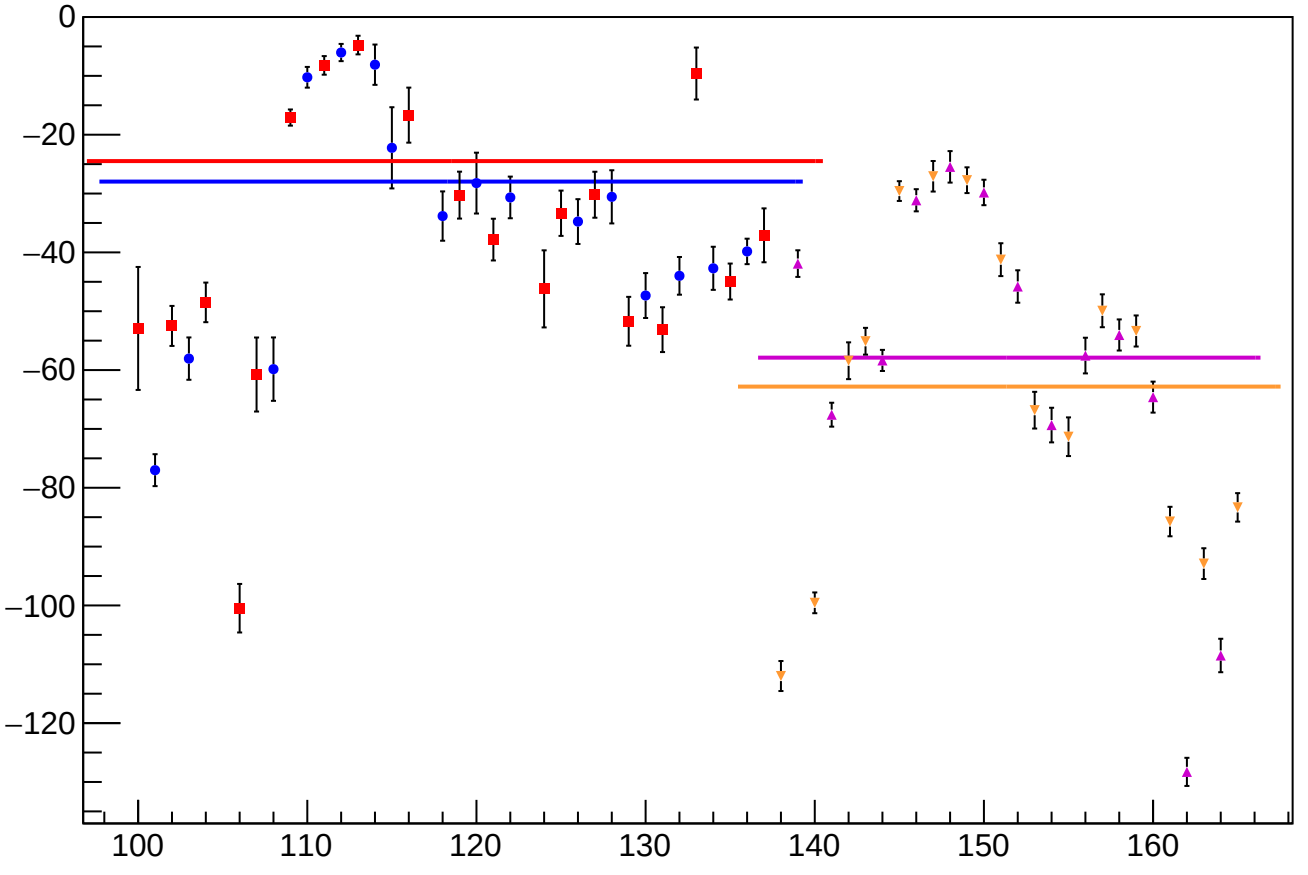
Left In: 0.228+/-0.011 χ^2/NDF:189.8/12

+ sign 0.211+/-0.010 χ^2/NDF: 842.5/30

All: 0.182+/-0.007 χ^2/NDF: 2042.8/62

- sign 0.151+/-0.010 χ^2/NDF: 1182.8/31

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -62.808+/-0.626 χ^2/NDF:2047.1/14

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

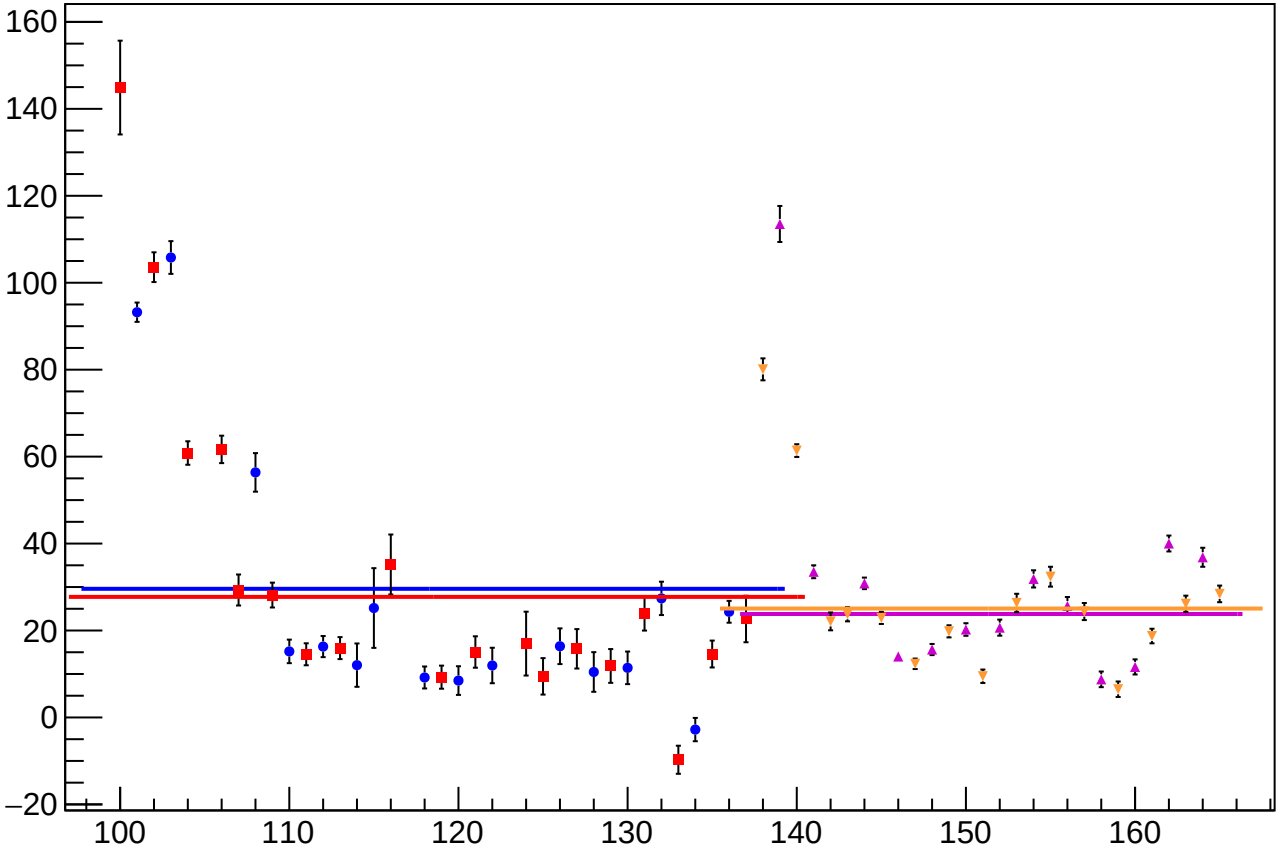
Left In: -57.889+/-0.656 χ^2/NDF:1817.9/12

+ sign -47.993+/-0.474 χ^2/NDF: 4259.7/30

All: -44.623+/-0.333 χ^2/NDF: 8450.1/62

- sign -41.370+/-0.466 χ^2/NDF: 4091.3/31

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.055+/-0.436 χ^2/NDF:1456.4/14

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

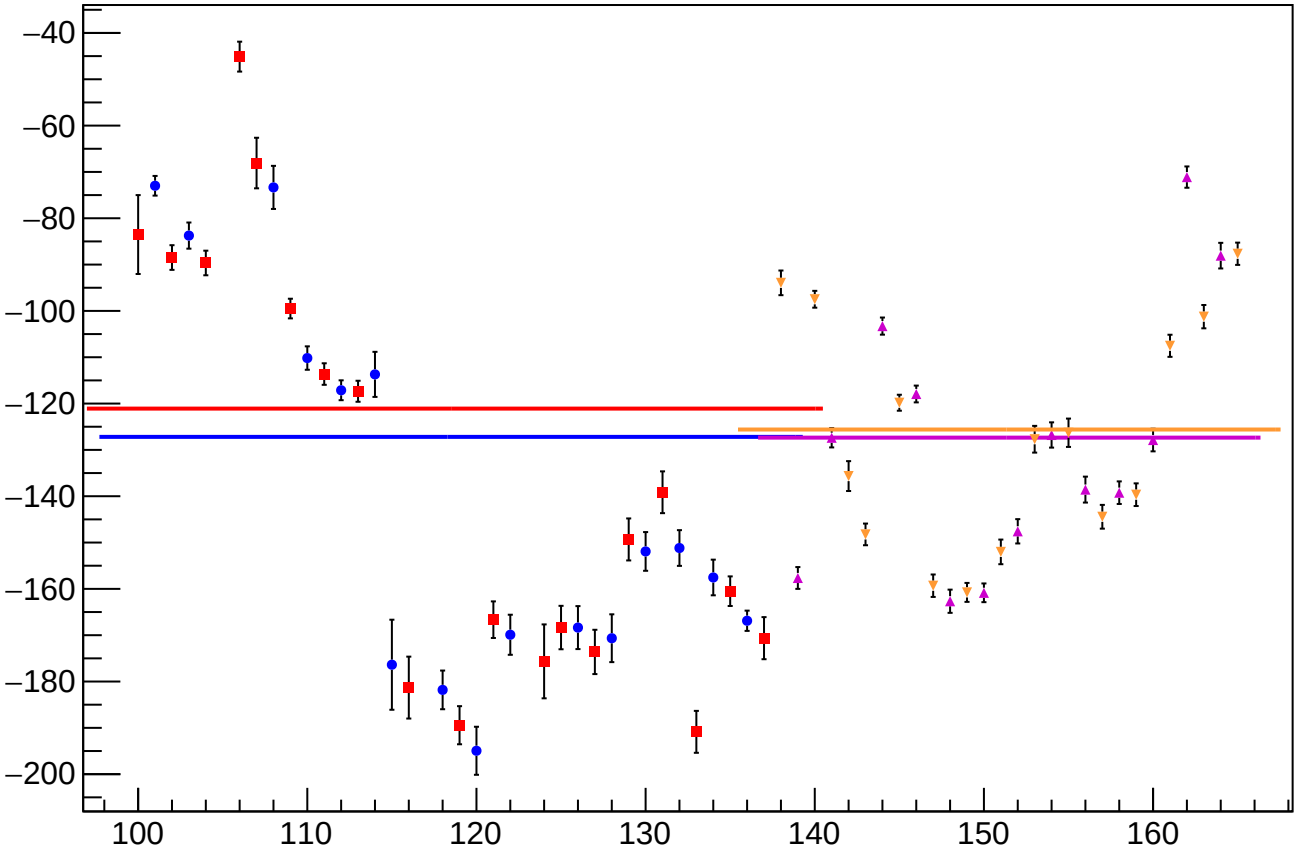
Left In: 23.796+/-0.454 χ^2/NDF:912.7/12

+ sign 26.080+/-0.384 χ^2/NDF: 3146.6/30

All: 25.439+/-0.275 χ^2/NDF: 5268.6/62

- sign 24.761+/-0.394 χ^2/NDF: 2116.3/31

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -125.602+/-0.613 χ^2/NDF:1571.6/14

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

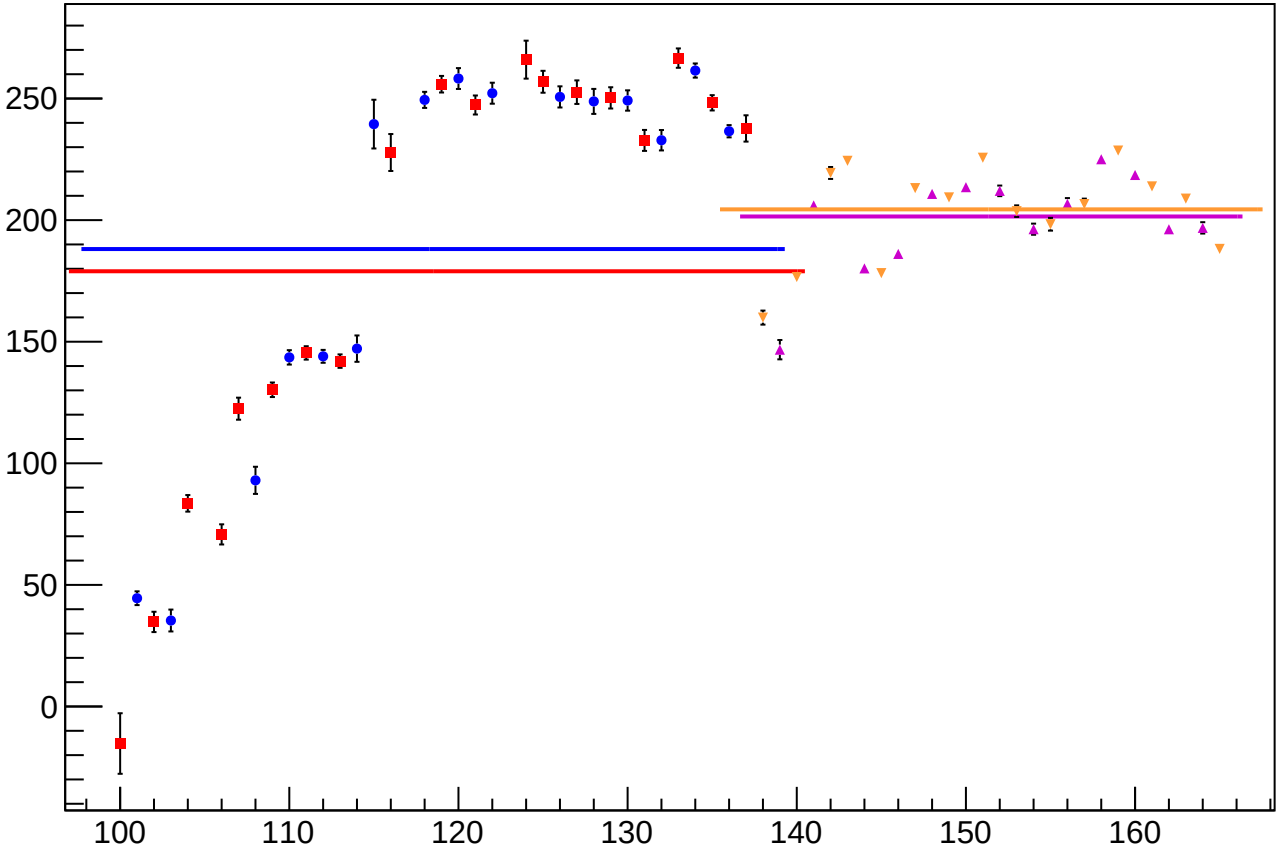
Left In: -127.353+/-0.636 χ^2/NDF:1735.2/12

+ sign -126.163+/-0.493 χ^2/NDF: 3752.1/30

All: -125.547+/-0.350 χ^2/NDF: 7925.5/62

- sign -124.919+/-0.497 χ^2/NDF: 4170.2/31

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 204.427+/-0.509 χ^2/NDF:1321.8/14

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

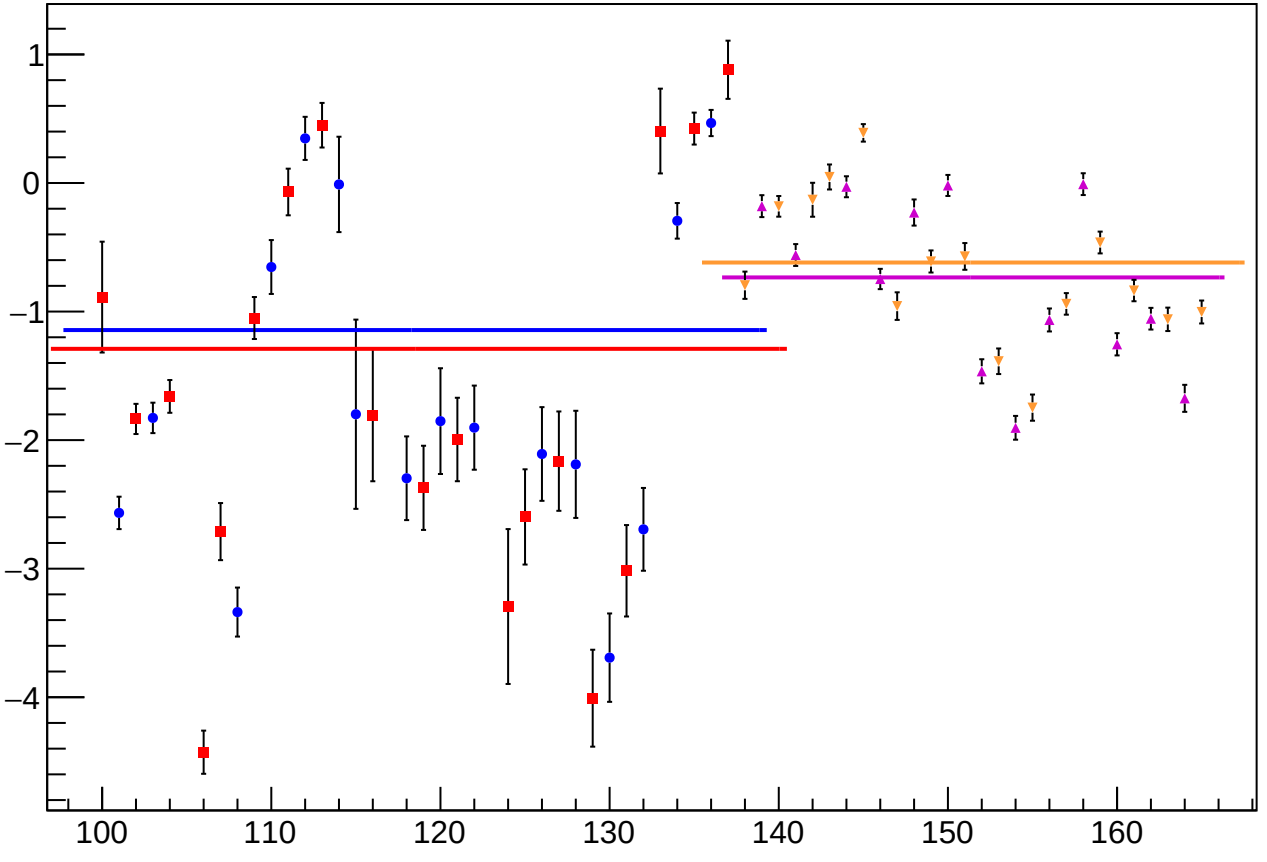
Left In: 201.500+/-0.529 χ^2/NDF:864.0/12

+ sign 200.595+/-0.445 χ^2/NDF: 8682.3/30

All: 198.259+/-0.319 χ^2/NDF: 16731.3/62

- sign 195.792+/-0.457 χ^2/NDF: 7992.3/31

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.619+/-0.024 χ^2/NDF:571.3/14

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

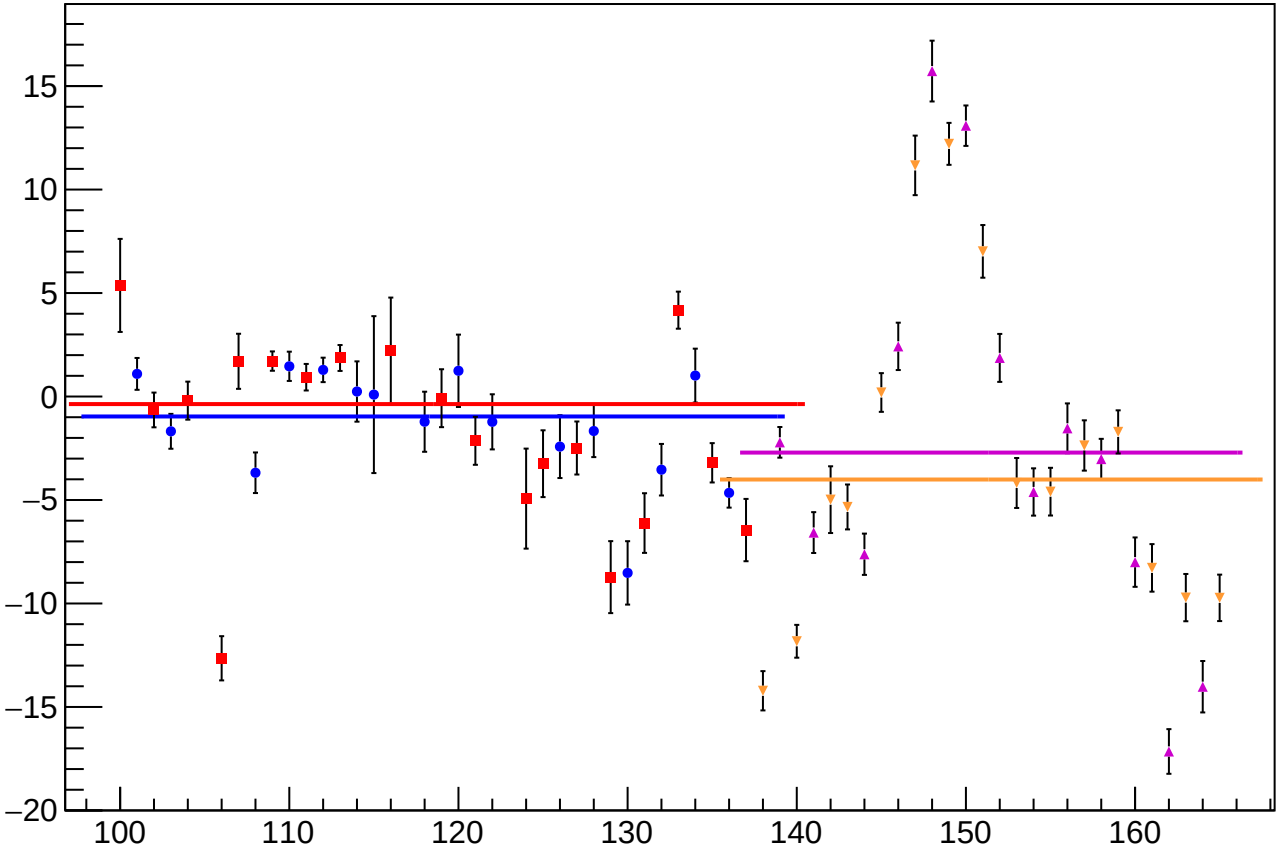
Left In: -0.734+/-0.024 χ^2/NDF:660.3/12

+ sign -0.720+/-0.021 χ^2/NDF: 1455.3/30

All: -0.784+/-0.015 χ^2/NDF: 3240.7/62

- sign -0.850+/-0.022 χ^2/NDF: 1767.1/31

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.010+/-0.283 χ^2/NDF:749.1/14

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

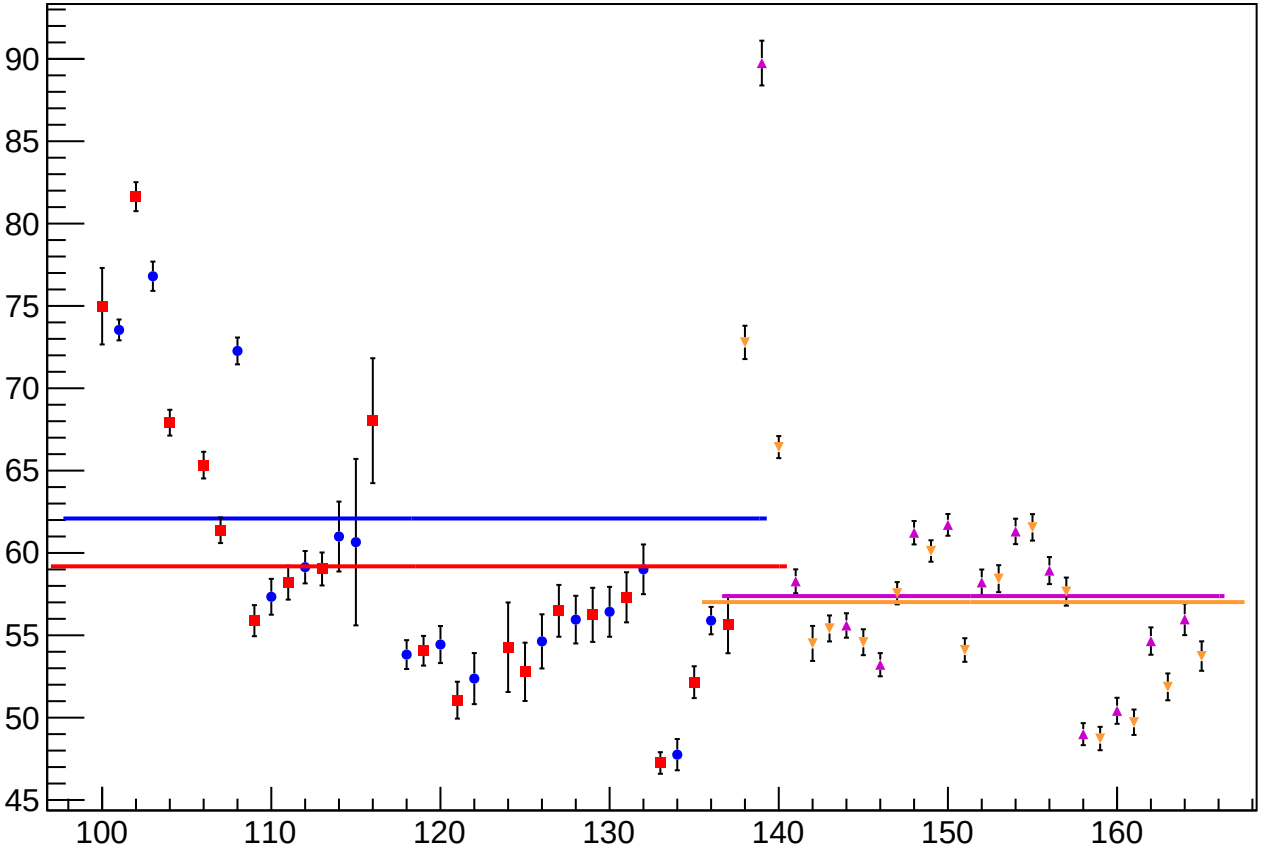
Left In: -2.709+/-0.294 χ^2/NDF:780.3/12

+ sign -2.320+/-0.189 χ^2/NDF: 916.7/30

All: -1.741+/-0.129 χ^2/NDF: 2035.7/62

- sign -1.226+/-0.178 χ^2/NDF: 1101.2/31

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.015+/-0.201 χ^2/NDF:814.0/14

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

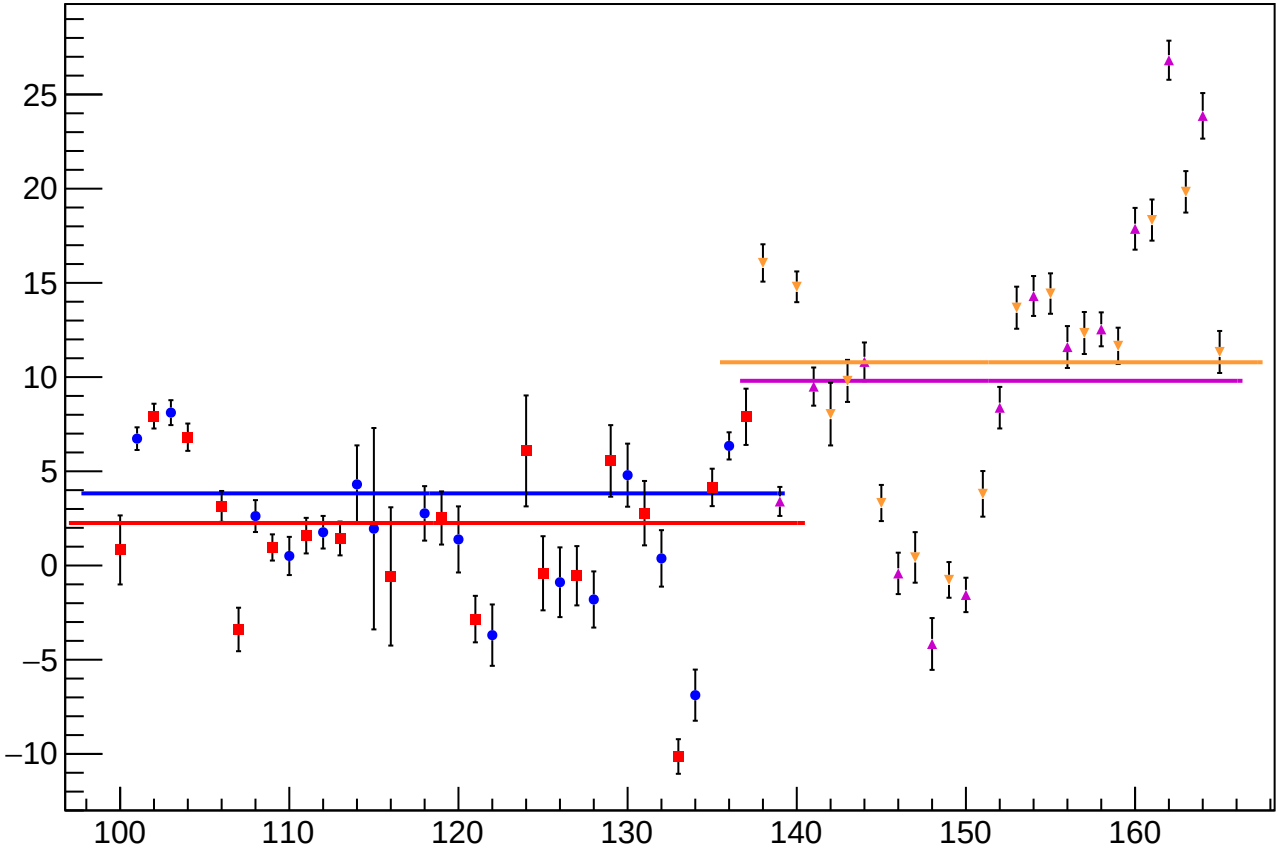
Left In: 57.381+/-0.215 χ^2/NDF:959.7/12

+ sign 58.872+/-0.160 χ^2/NDF: 2347.6/30

All: 58.522+/-0.114 χ^2/NDF: 4749.9/62

- sign 58.170+/-0.161 χ^2/NDF: 2392.8/31

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 10.787+/-0.276 χ^2/NDF:494.7/14

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

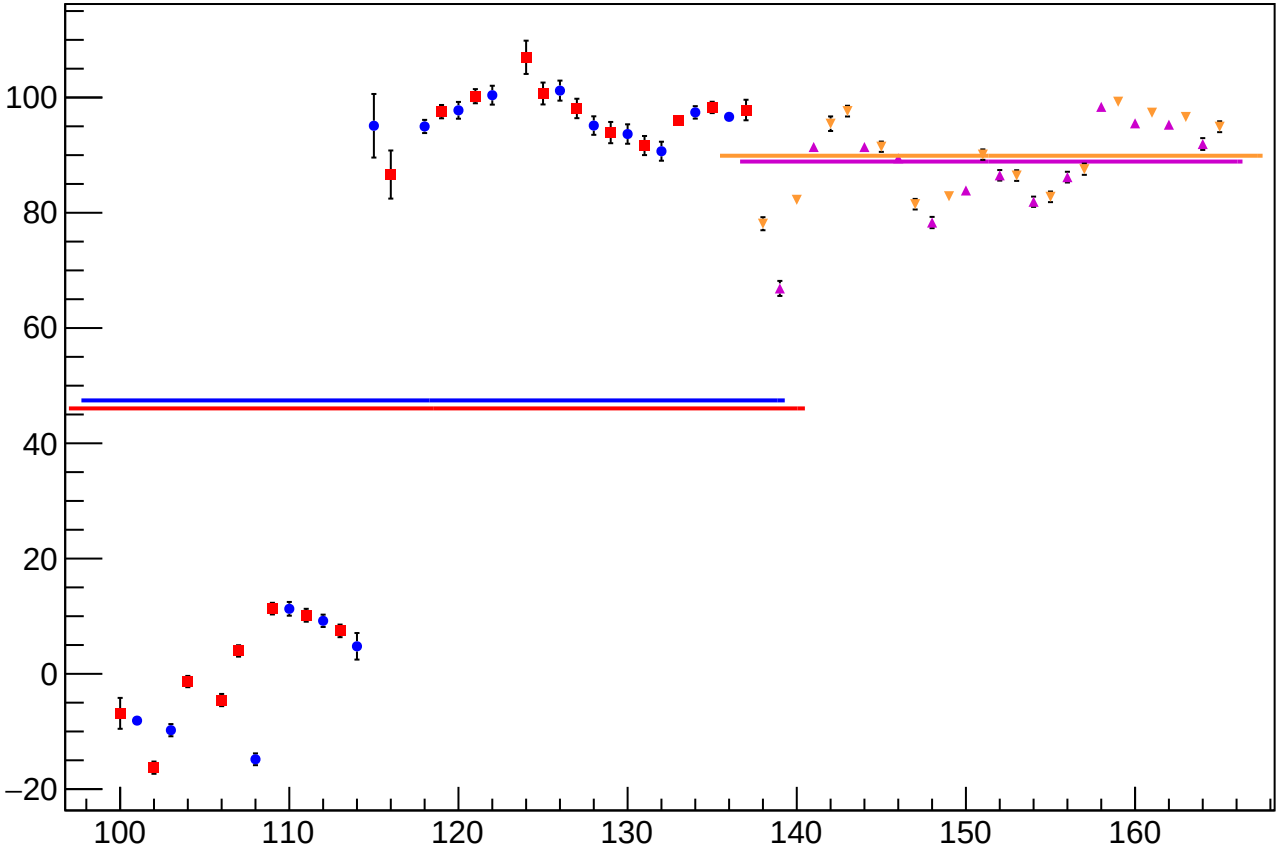
Left In: 9.802+/-0.285 χ^2/NDF:903.3/12

+ sign 7.171+/-0.191 χ^2/NDF: 1034.0/30

All: 6.309+/-0.133 χ^2/NDF: 2750.5/62

- sign 5.490+/-0.186 χ^2/NDF: 1676.9/31

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.897+/-0.232 χ^2/NDF:867.5/14

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

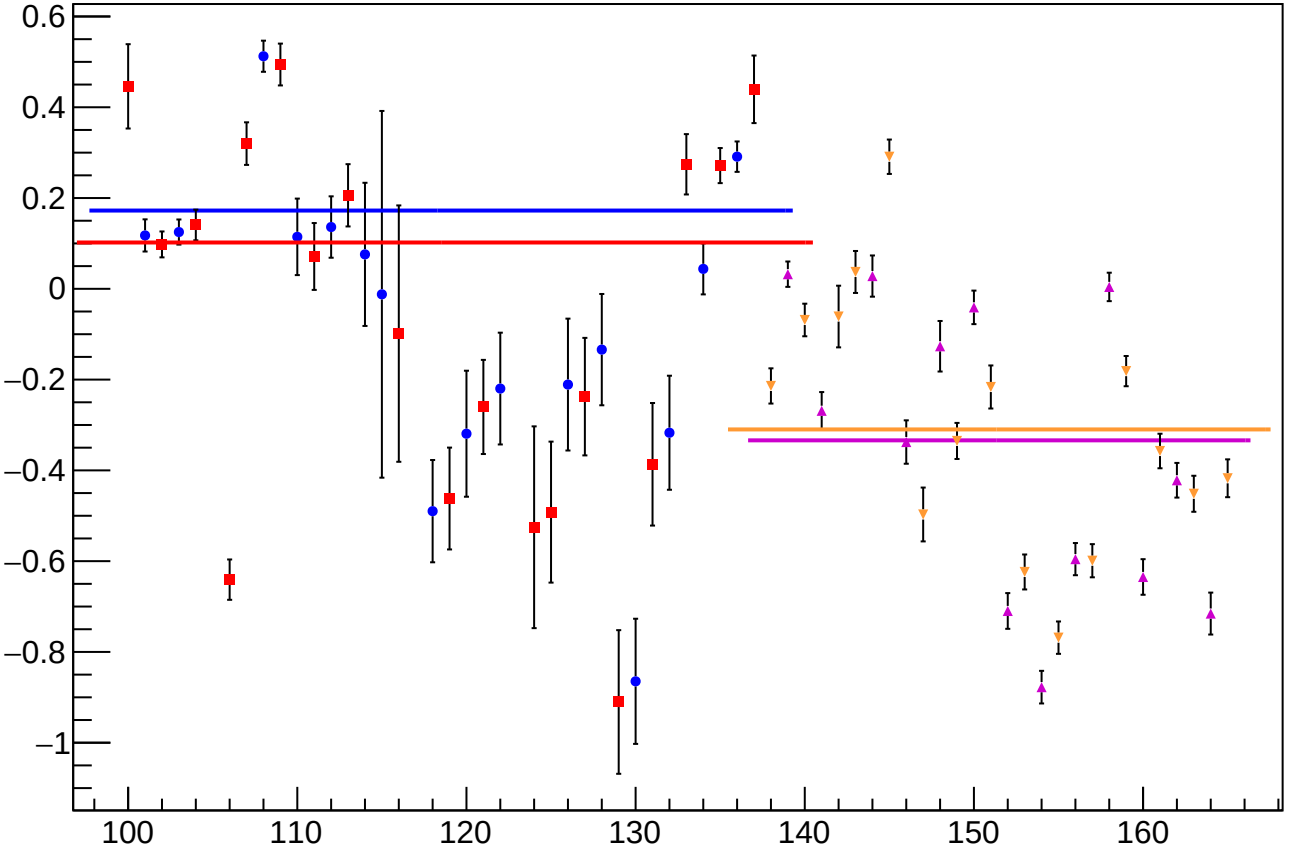
Left In: 88.884+/-0.245 χ^2/NDF:845.6/12

+ sign 74.538+/-0.185 χ^2/NDF: 39875.5/30

All: 72.594+/-0.131 χ^2/NDF: 82858.2/62

- sign 70.644+/-0.186 χ^2/NDF: 42762.2/31

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.310+/-0.010 χ^2/NDF:717.4/14

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

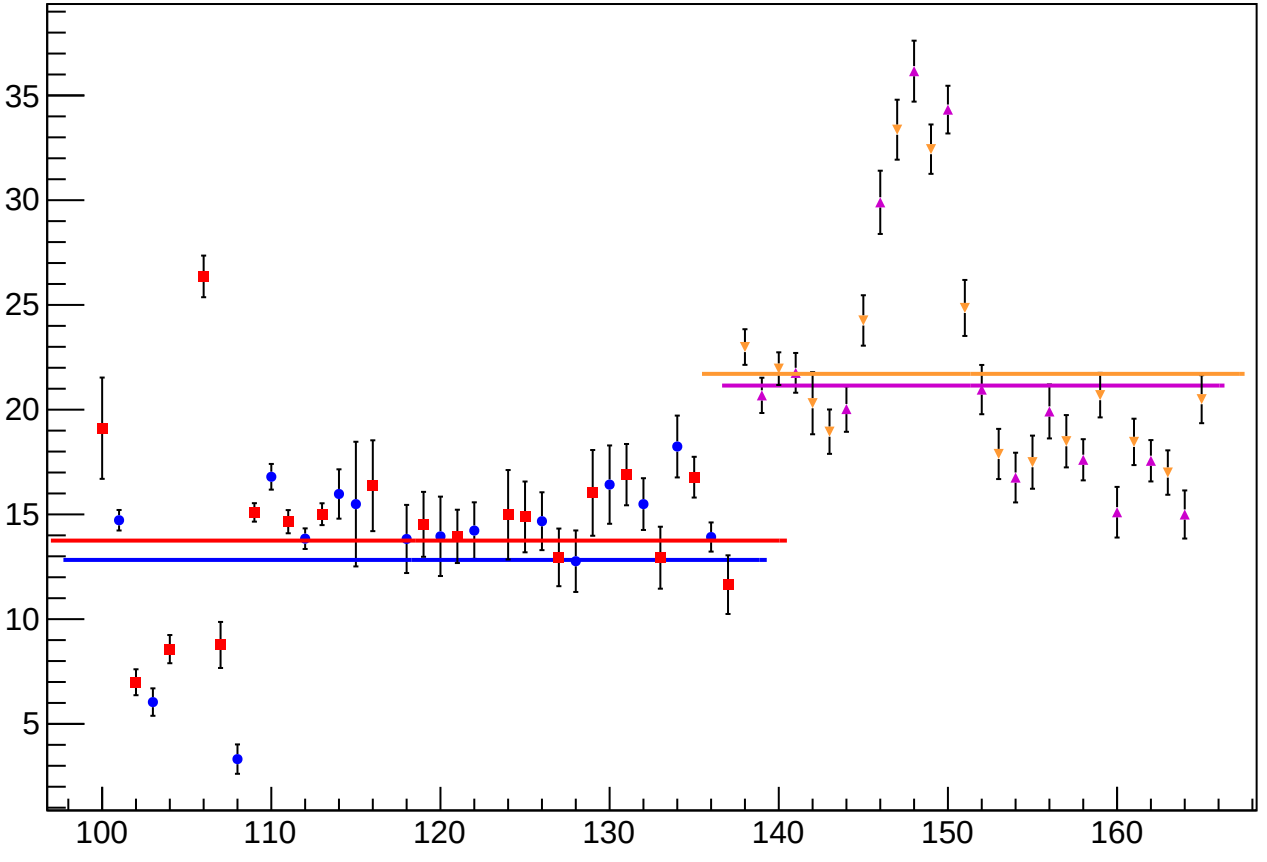
Left In: -0.334+/-0.011 χ^2/NDF:937.7/12

+ sign -0.140+/-0.008 χ^2/NDF: 1734.9/30

All: -0.153+/-0.006 χ^2/NDF: 3883.8/62

- sign -0.167+/-0.008 χ^2/NDF: 2143.8/31

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.710+/-0.287 χ^2/NDF:227.5/14

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

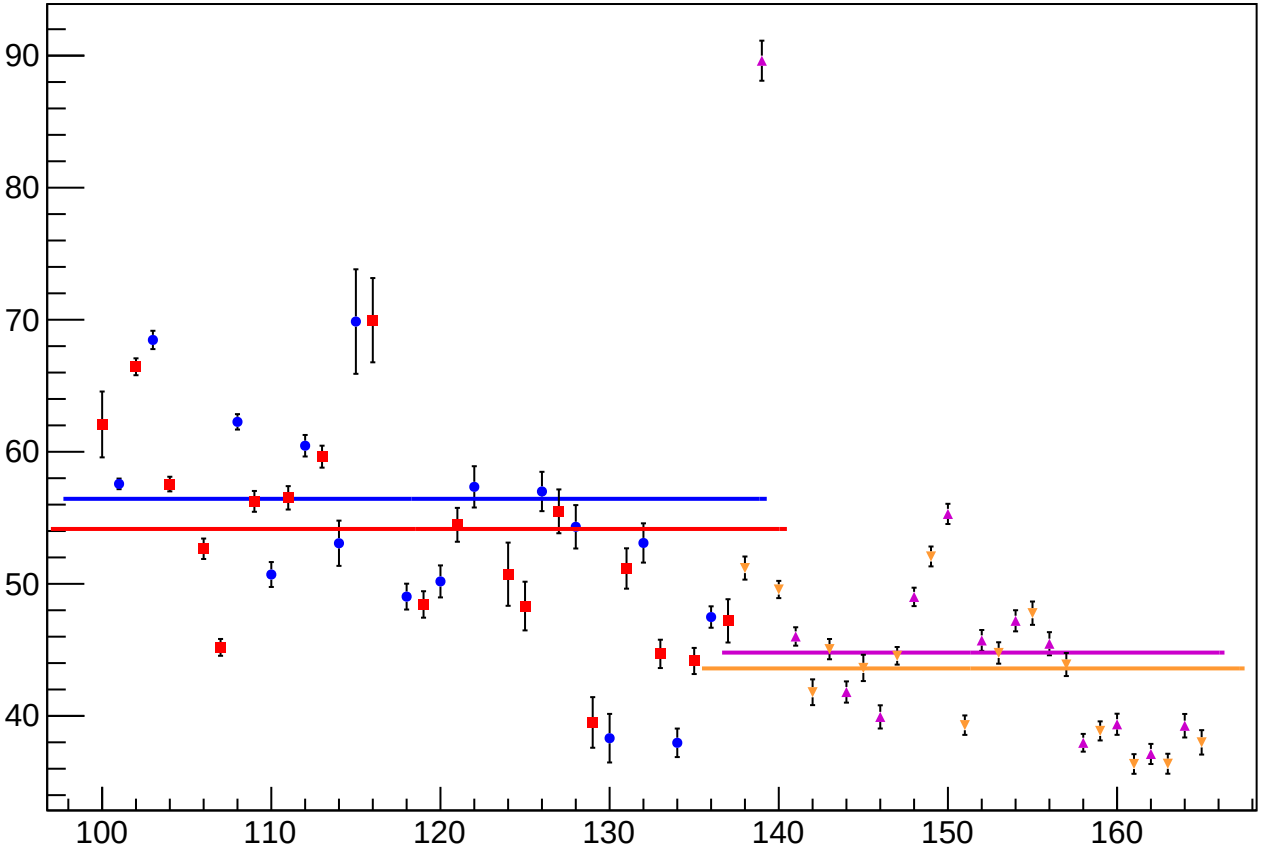
Left In: 21.151+/-0.307 χ^2/NDF:370.2/12

+ sign 16.002+/-0.172 χ^2/NDF: 1231.1/30

All: 16.009+/-0.121 χ^2/NDF: 2407.6/62

- sign 16.016+/-0.170 χ^2/NDF: 1176.6/31

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.595+/-0.204 χ^2/NDF:619.6/14

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

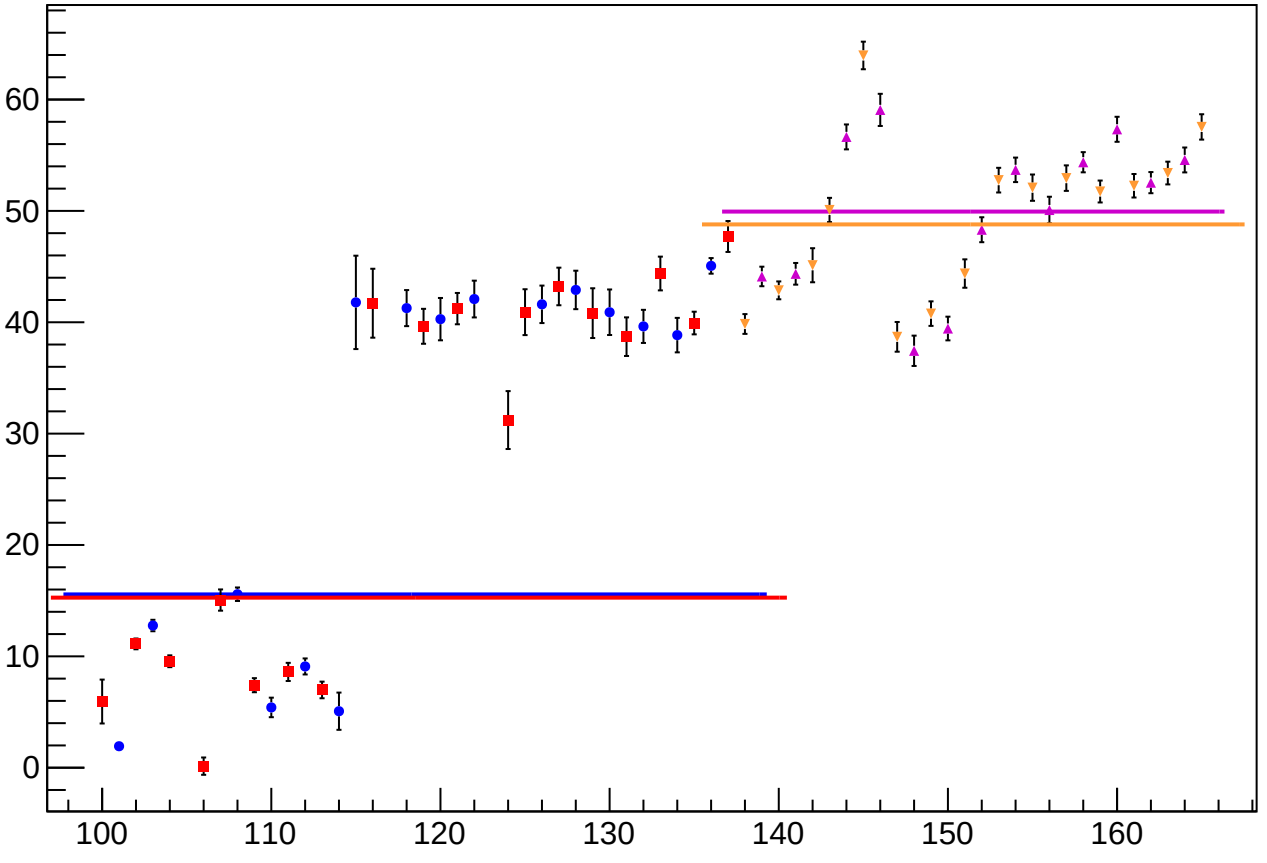
Left In: 44.794+/-0.222 χ^2/NDF:1446.0/12

+ sign 49.479+/-0.150 χ^2/NDF: 3524.0/30

All: 49.450+/-0.109 χ^2/NDF: 6856.9/62

- sign 49.417+/-0.158 χ^2/NDF: 3332.8/31

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 48.787+/-0.281 χ^2/NDF:568.4/14

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

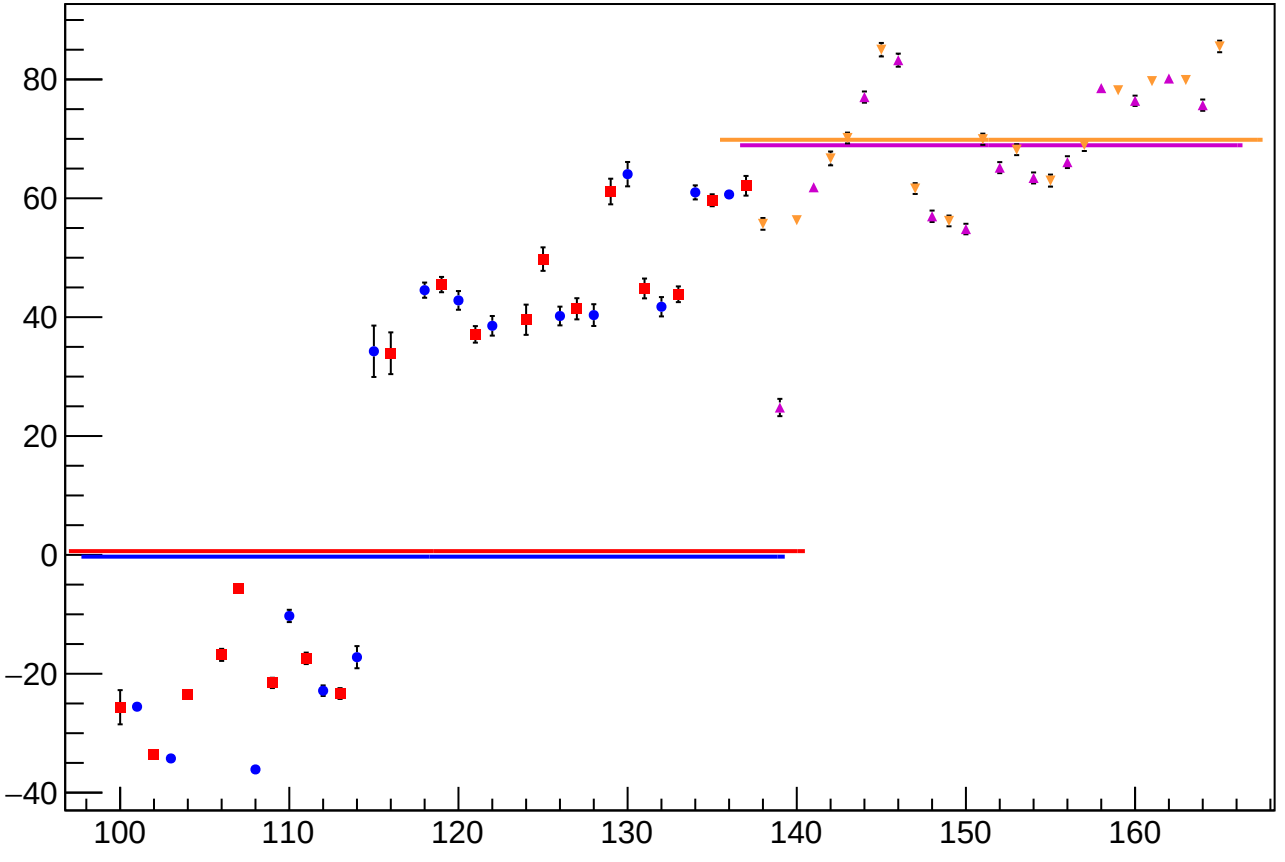
Left In: 49.939+/-0.297 χ^2/NDF:440.2/12

+ sign 27.780+/-0.170 χ^2/NDF: 14610.1/30

All: 27.630+/-0.122 χ^2/NDF: 27729.8/62

- sign 27.468+/-0.176 χ^2/NDF: 13118.1/31

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 69.846+/-0.235 χ^2/NDF:1745.1/14

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

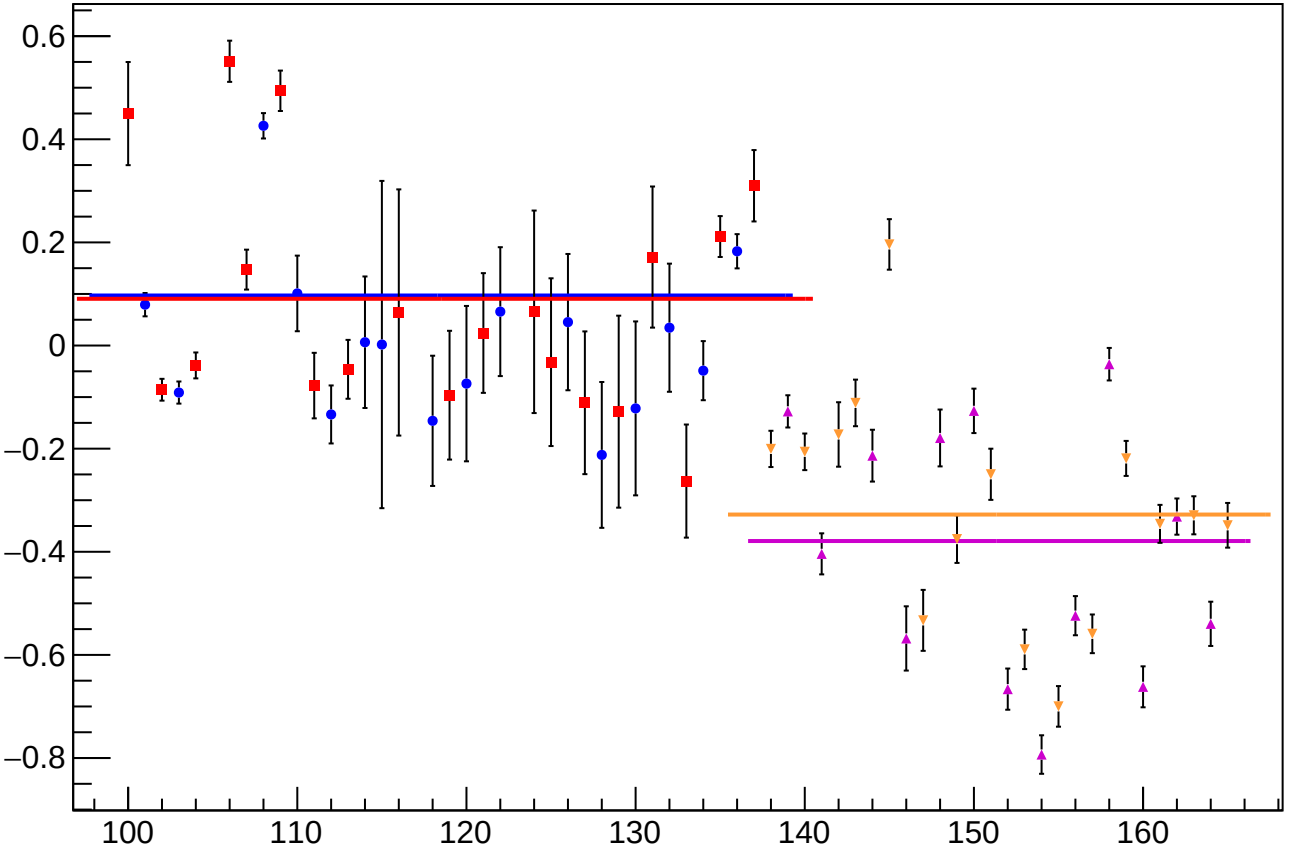
Left In: 68.922+/-0.253 χ^2/NDF:2217.7/12

+ sign 38.476+/-0.175 χ^2/NDF: 62576.5/30

All: 37.388+/-0.126 χ^2/NDF: 115858.0/62

- sign 36.203+/-0.182 χ^2/NDF: 53200.6/31

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.328+/-0.011 χ^2/NDF:368.7/14

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

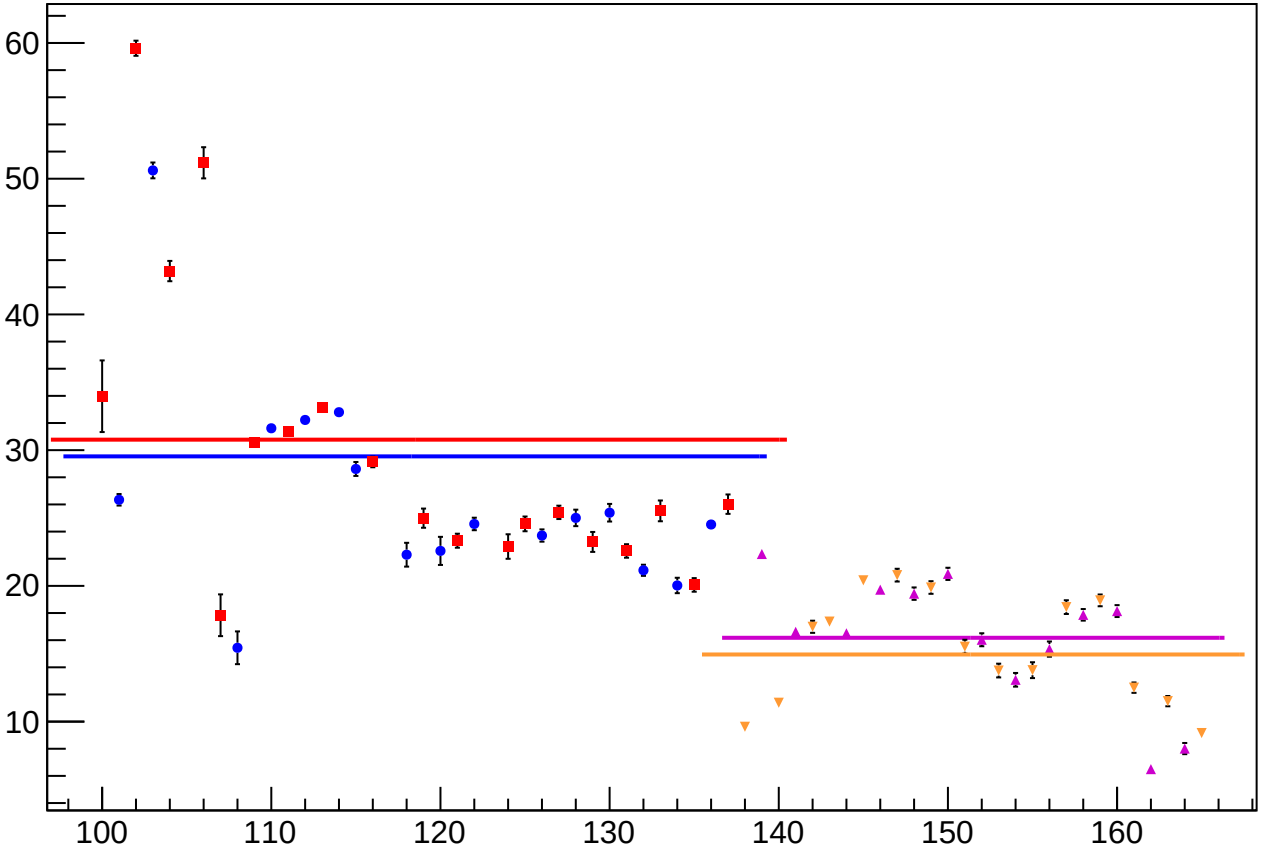
Left In: -0.379+/-0.011 χ^2/NDF:506.5/12

+ sign -0.127+/-0.008 χ^2/NDF: 1422.8/30

All: -0.139+/-0.006 χ^2/NDF: 3210.6/62

- sign -0.152+/-0.008 χ^2/NDF: 1782.7/31

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 14.946+/-0.101 χ^2/NDF:1688.1/14

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

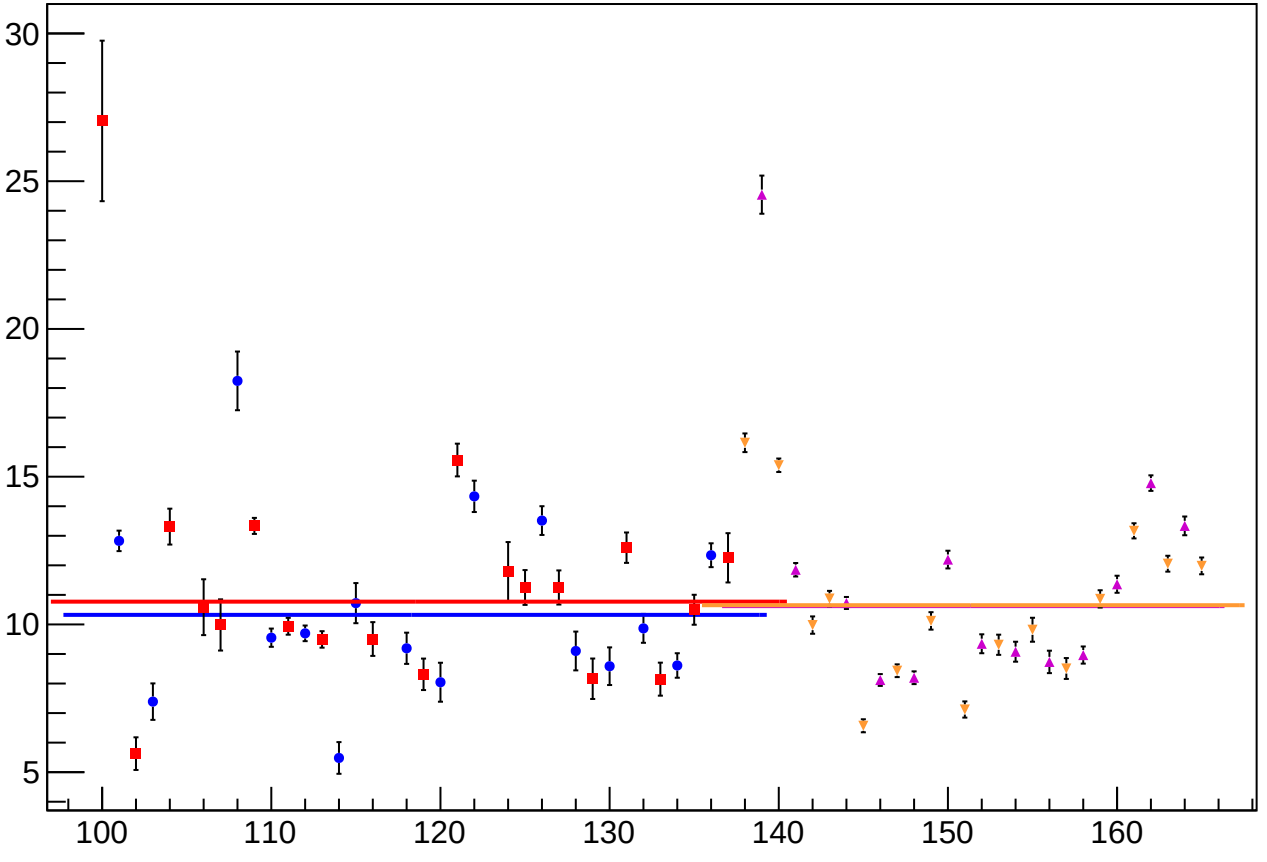
Left In: 16.176+/-0.108 χ^2/NDF:1825.3/12

+ sign 22.892+/-0.068 χ^2/NDF: 16538.5/30

All: 24.313+/-0.047 χ^2/NDF: 36051.9/62

- sign 25.591+/-0.064 χ^2/NDF: 18680.5/31

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.651+/-0.071 χ^2/NDF:1558.1/14

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

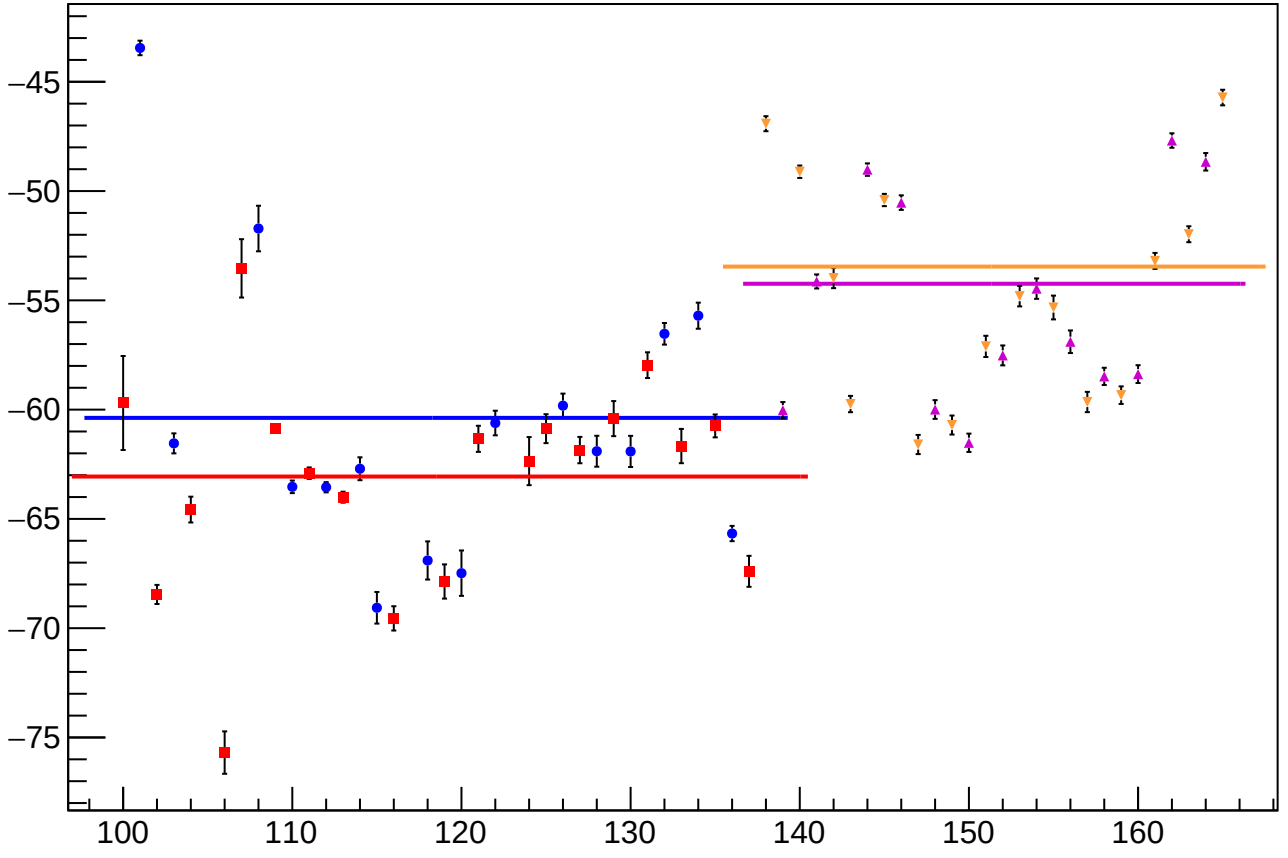
Left In: 10.620+/-0.075 χ^2/NDF:1228.1/12

+ sign 10.559+/-0.060 χ^2/NDF: 1966.7/30

All: 10.611+/-0.043 χ^2/NDF: 3613.3/62

- sign 10.666+/-0.063 χ^2/NDF: 1645.1/31

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.456+/-0.099 χ^2/NDF:2574.9/14

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

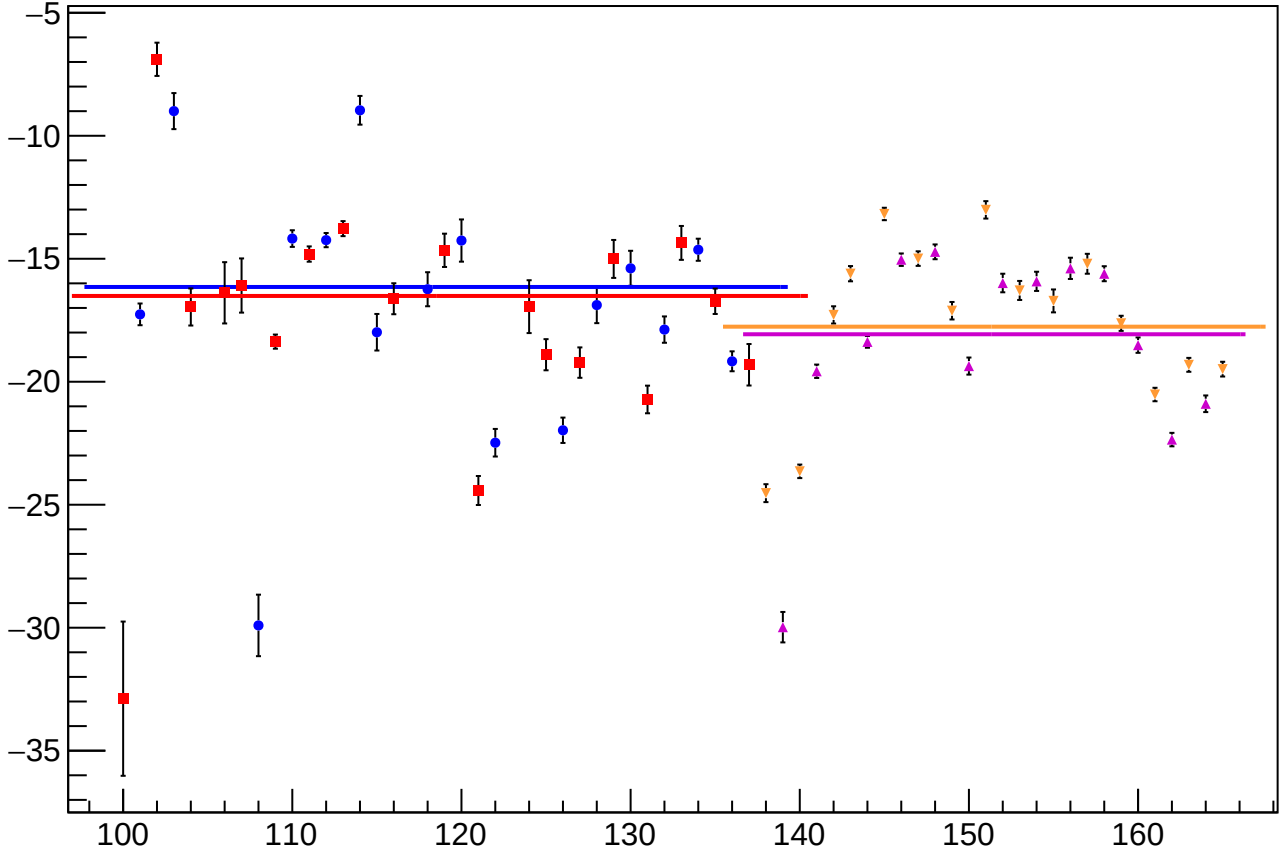
Left In: -54.241+/-0.105 χ^2/NDF:2066.8/12

+ sign -56.467+/-0.075 χ^2/NDF: 8291.9/30

All: -57.509+/-0.053 χ^2/NDF: 15043.1/62

- sign -58.567+/-0.075 χ^2/NDF: 6357.5/31

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.761+/-0.082 χ^2/NDF:1676.2/14

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

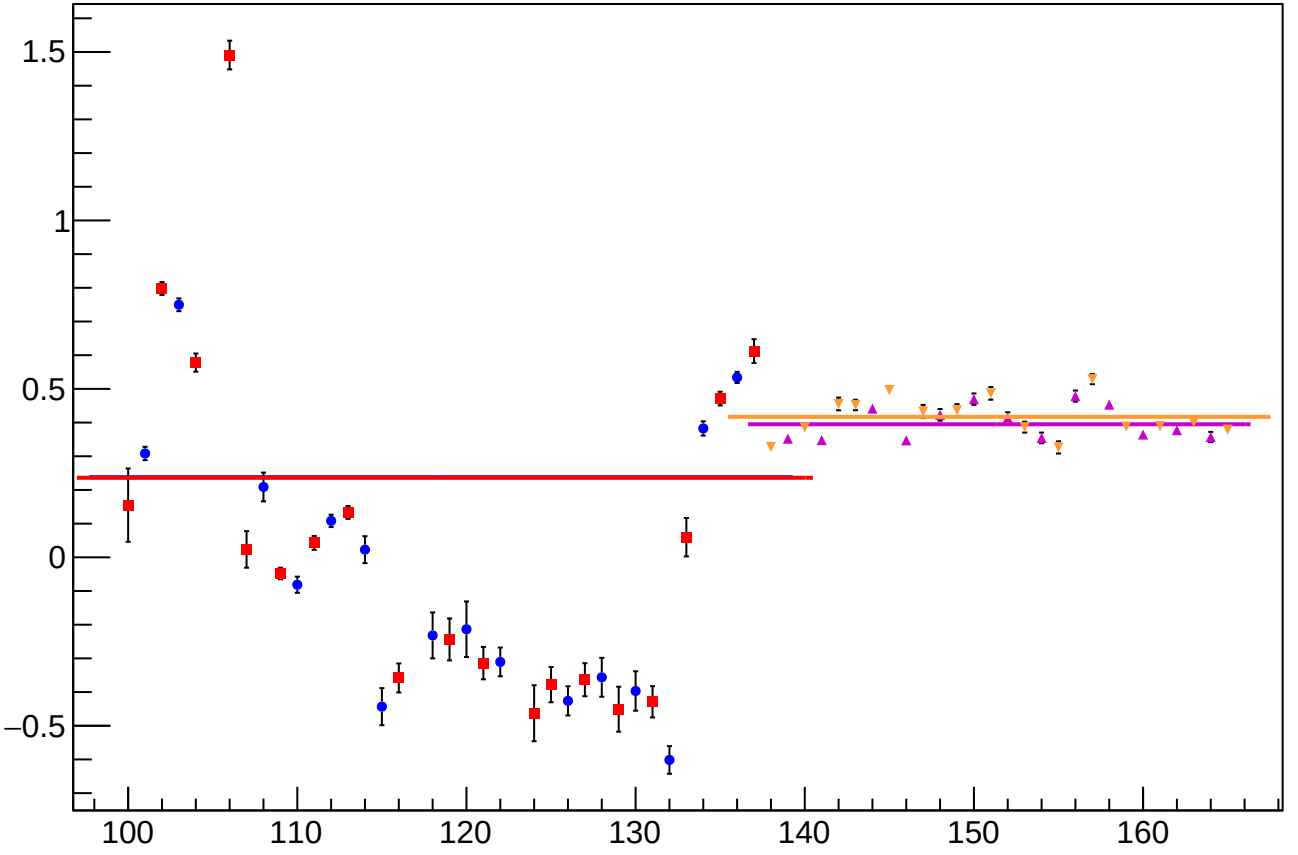
Left In: -18.070+/-0.088 χ^2/NDF:1163.8/12

+ sign -17.284+/-0.069 χ^2/NDF: 2586.7/30

All: -17.415+/-0.050 χ^2/NDF: 4547.2/62

- sign -17.555+/-0.072 χ^2/NDF: 1953.1/31

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.417+/-0.004 χ^2/NDF:224.7/14

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

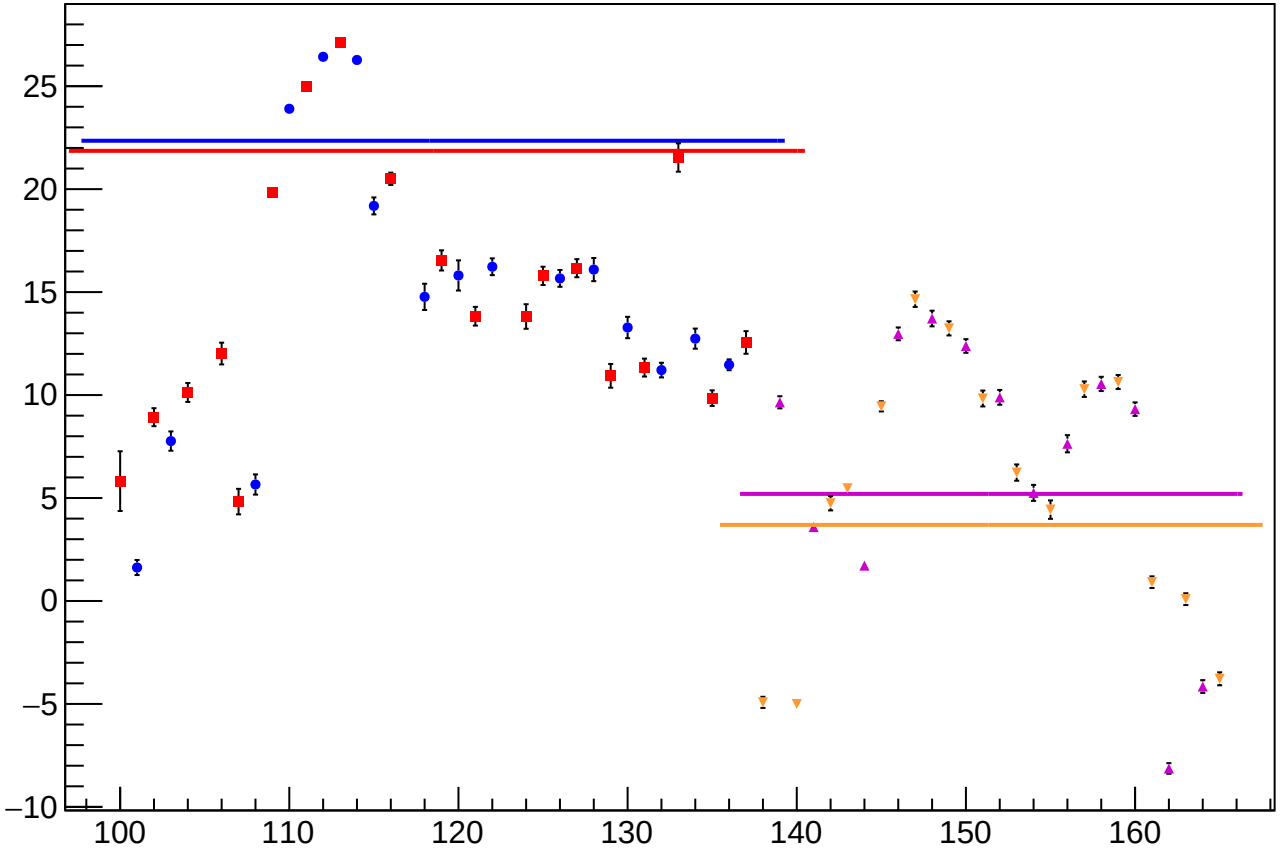
Left In: 0.395+/-0.004 χ^2/NDF:133.6/12

+ sign 0.377+/-0.003 χ^2/NDF: 3356.3/30

All: 0.367+/-0.002 χ^2/NDF: 7481.6/62

- sign 0.356+/-0.003 χ^2/NDF: 4108.0/31

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.696+/-0.078 χ^2/NDF:6732.1/14

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

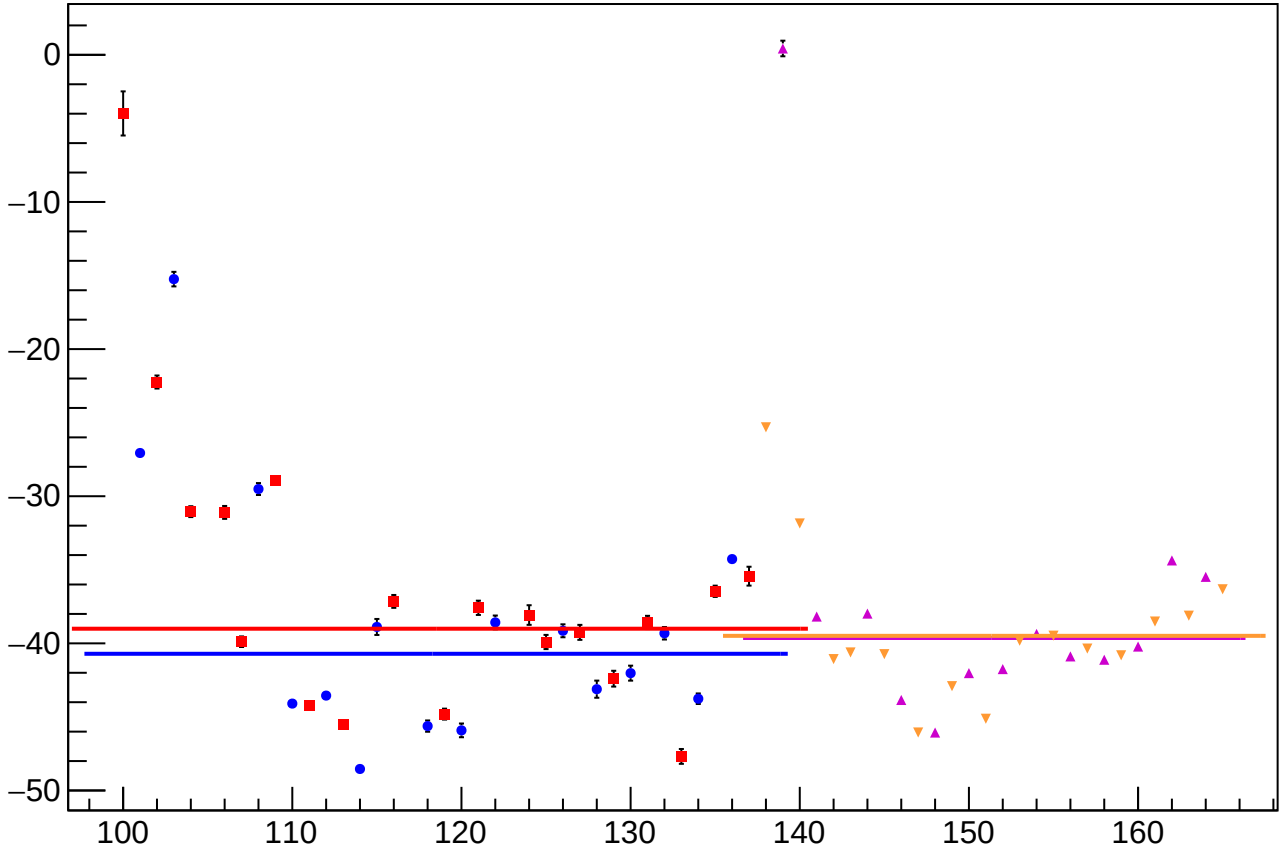
Left In: 5.200+/-0.086 χ^2/NDF:6252.8/12

+ sign 15.966+/-0.046 χ^2/NDF: 56300.2/30

All: 17.154+/-0.030 χ^2/NDF: 103750.3/62

- sign 18.090+/-0.041 χ^2/NDF: 46251.1/31

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.489+/-0.055 χ^2/NDF:7605.3/14

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

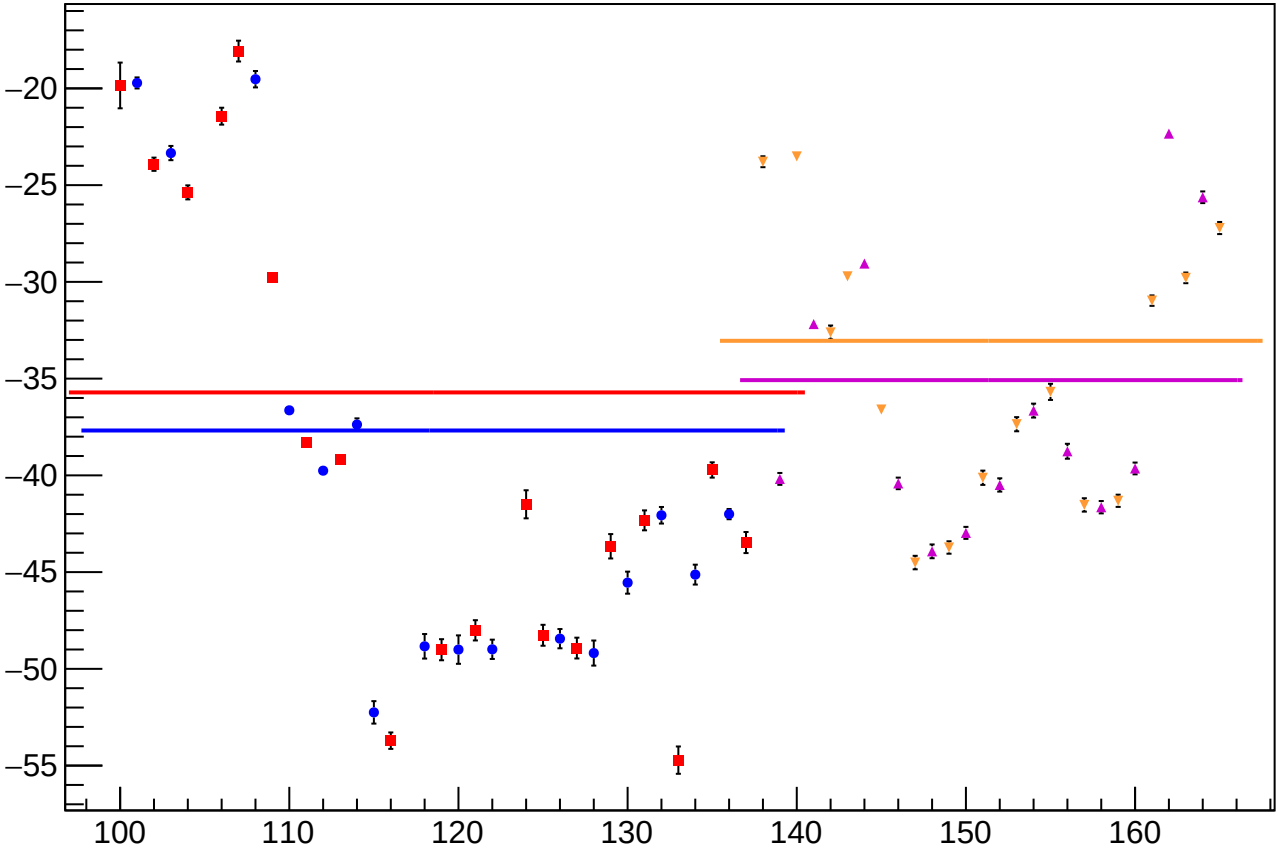
Left In: -39.635+/-0.060 χ^2/NDF:8903.0/12

+ sign -39.907+/-0.045 χ^2/NDF: 15552.7/30

All: -39.646+/-0.032 χ^2/NDF: 34672.6/62

- sign -39.372+/-0.046 χ^2/NDF: 19050.2/31

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.045+/-0.077 χ^2/NDF:7897.8/14

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

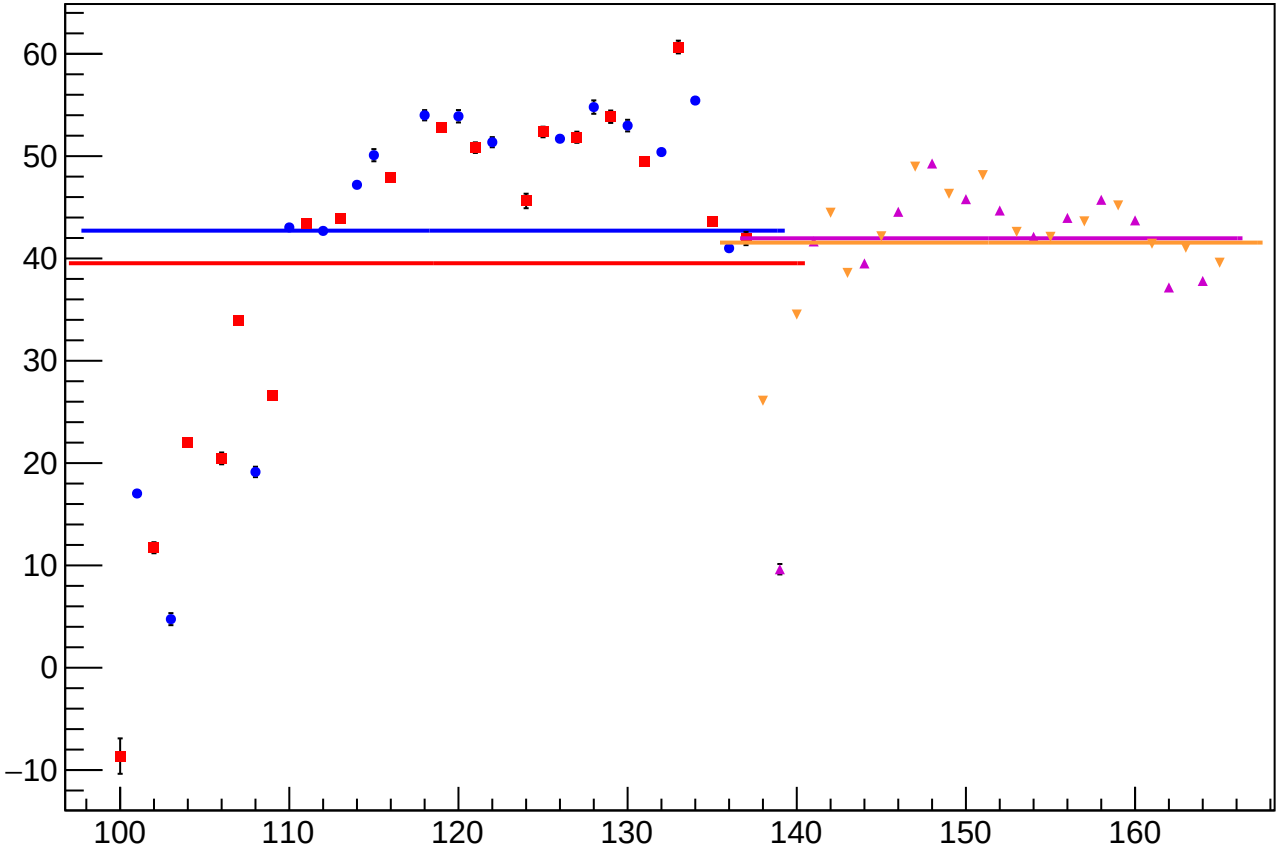
Left In: -35.078+/-0.083 χ^2/NDF:7234.0/12

+ sign -35.470+/-0.053 χ^2/NDF: 20636.4/30

All: -35.473+/-0.037 χ^2/NDF: 41181.5/62

- sign -35.476+/-0.051 χ^2/NDF: 20545.1/31

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.551+/-0.064 χ^2/NDF:6321.1/14

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

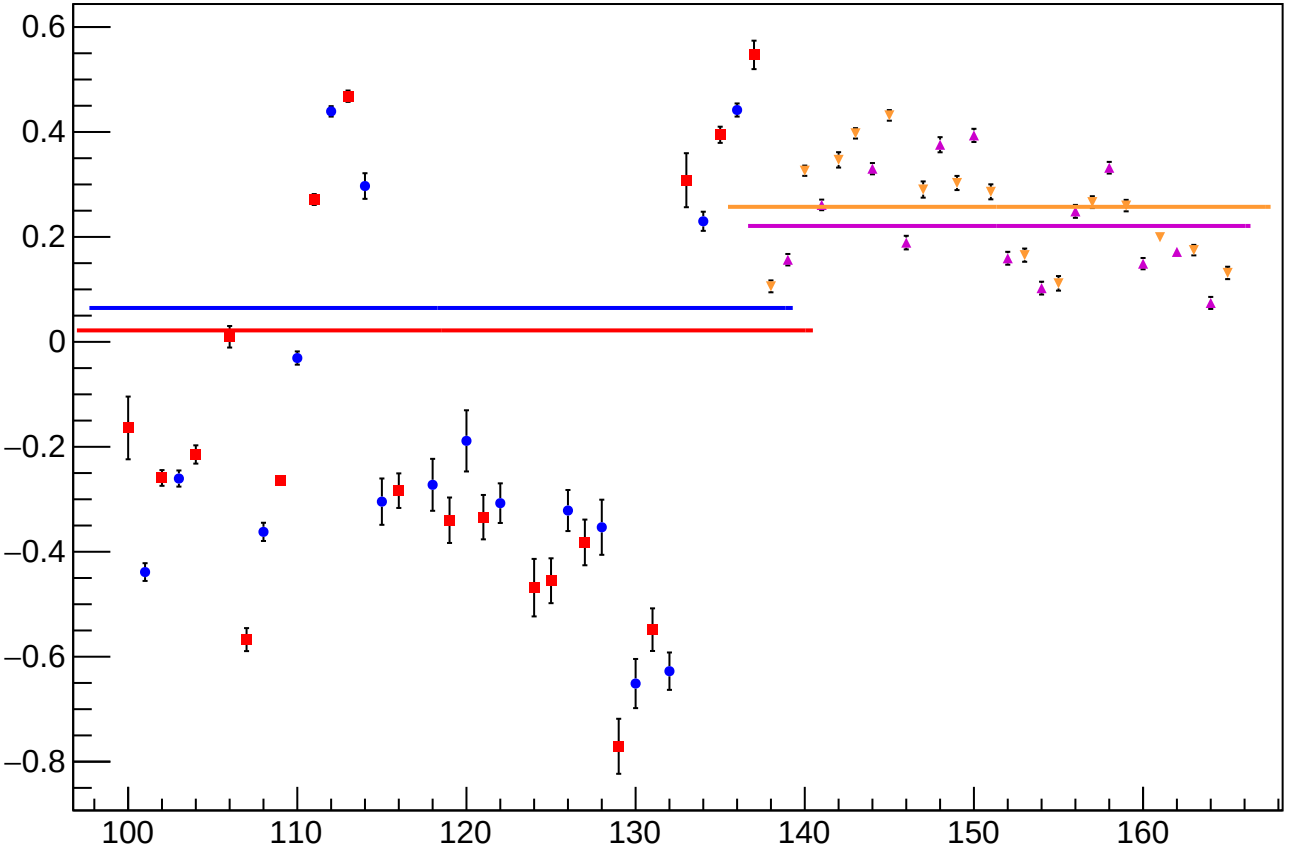
Left In: 41.971+/-0.069 χ^2/NDF:6610.5/12

+ sign 41.974+/-0.051 χ^2/NDF: 21206.1/30

All: 41.442+/-0.036 χ^2/NDF: 46556.9/62

- sign 40.896+/-0.052 χ^2/NDF: 25132.1/31

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.257+/-0.003 χ^2/NDF:1163.4/14

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

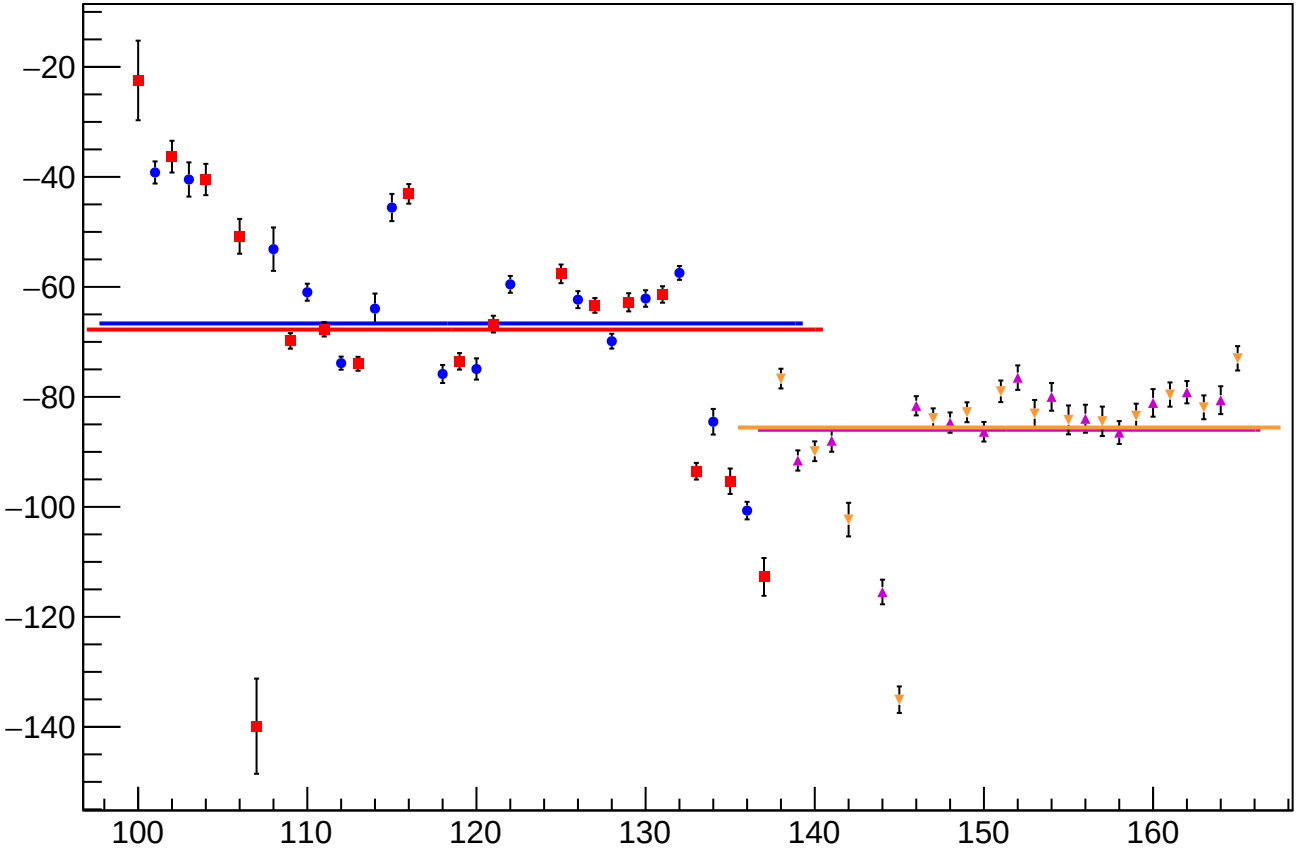
Left In: 0.221+/-0.003 χ^2/NDF:923.1/12

+ sign 0.205+/-0.003 χ^2/NDF: 7812.1/30

All: 0.179+/-0.002 χ^2/NDF: 16701.7/62

- sign 0.153+/-0.003 χ^2/NDF: 8683.5/31

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -85.568+/-0.572 χ^2/NDF:541.3/13

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

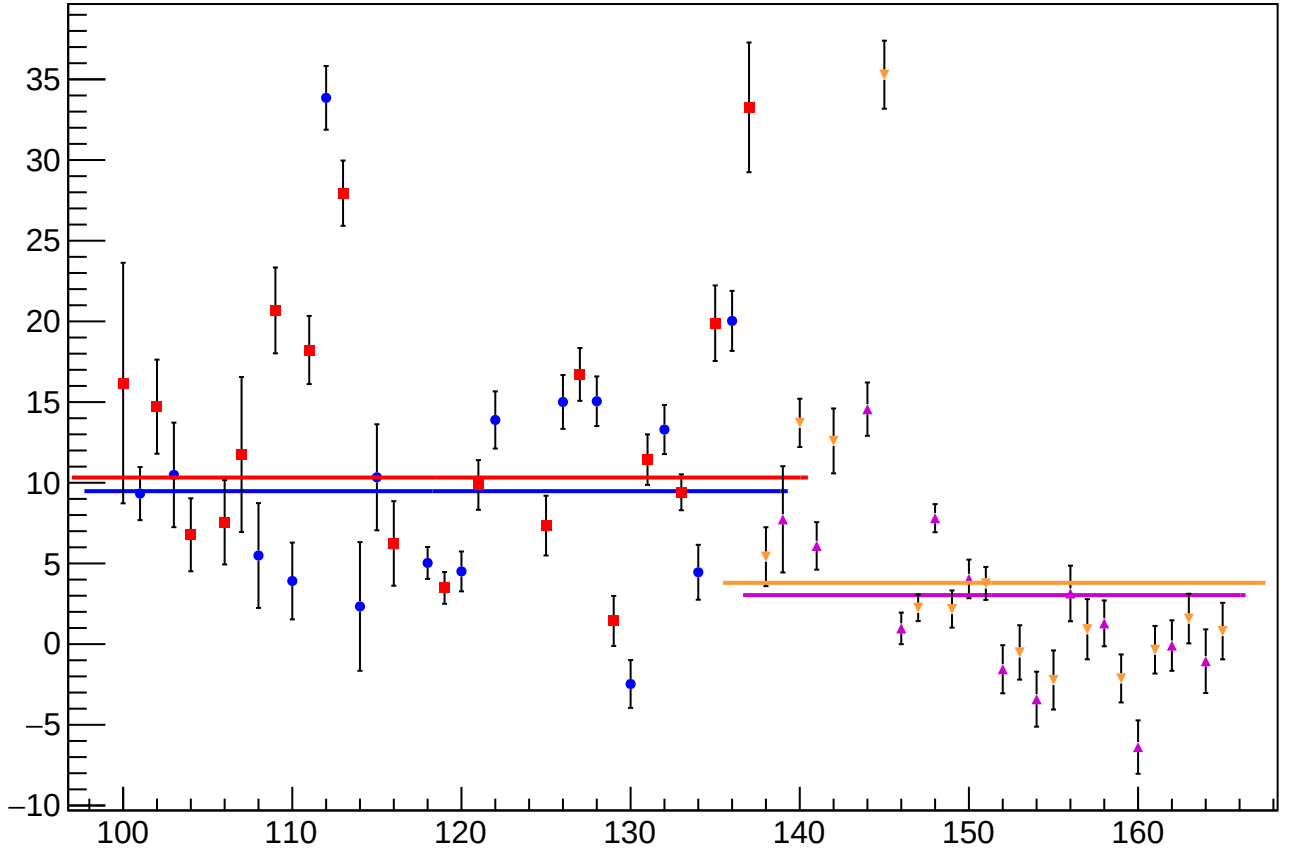
Left In: -85.974+/-0.580 χ^2/NDF:233.9/12

+ sign -73.396+/-0.342 χ^2/NDF: 2296.8/29

All: -73.709+/-0.241 χ^2/NDF: 4436.3/60

- sign -74.018+/-0.340 χ^2/NDF: 2137.9/30

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.799+/-0.378 χ^2/NDF:340.9/13

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

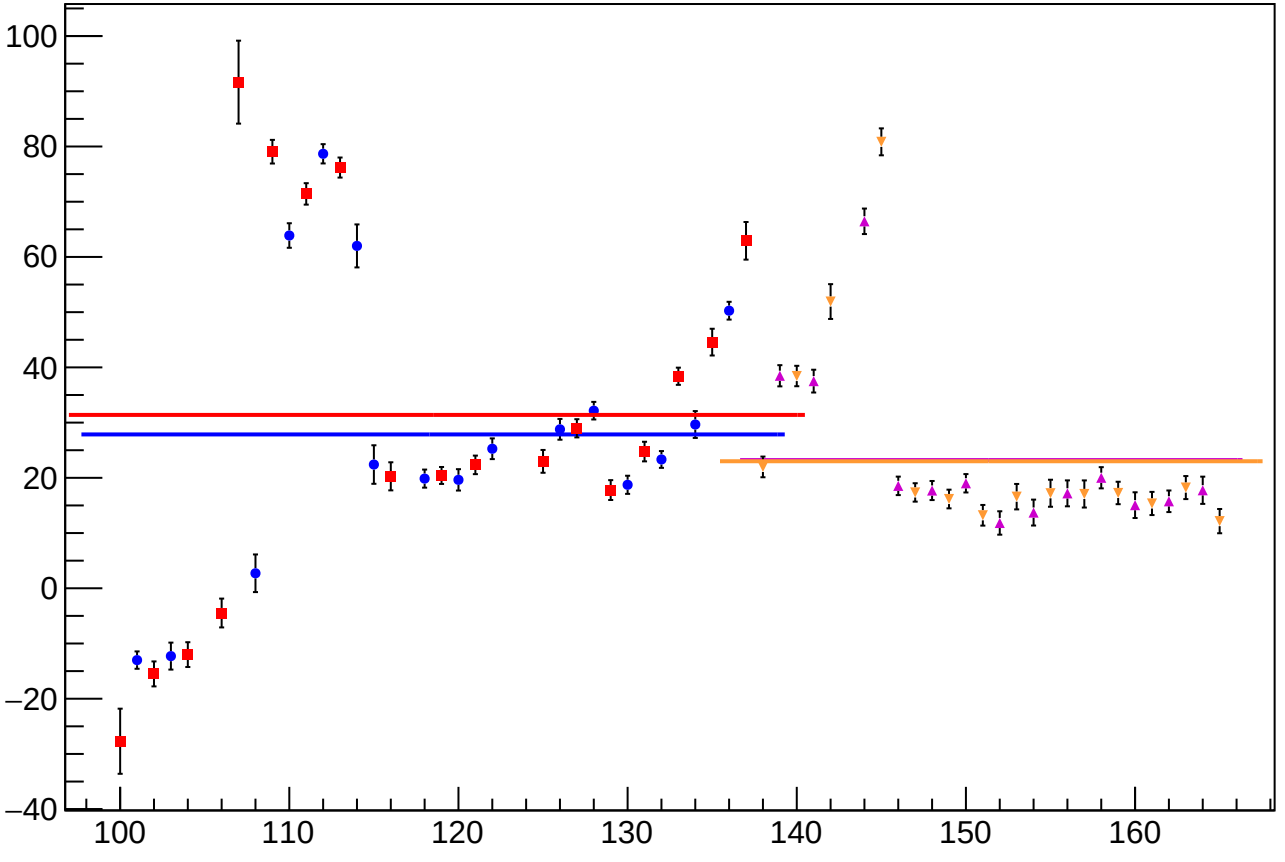
Left In: 3.038+/-0.388 χ^2/NDF:156.1/12

+ sign 6.286+/-0.283 χ^2/NDF: 781.8/29

All: 6.275+/-0.203 χ^2/NDF: 1357.2/60

- sign 6.263+/-0.290 χ^2/NDF: 575.4/30

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 23.004+/-0.553 χ^2/NDF:841.3/13

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

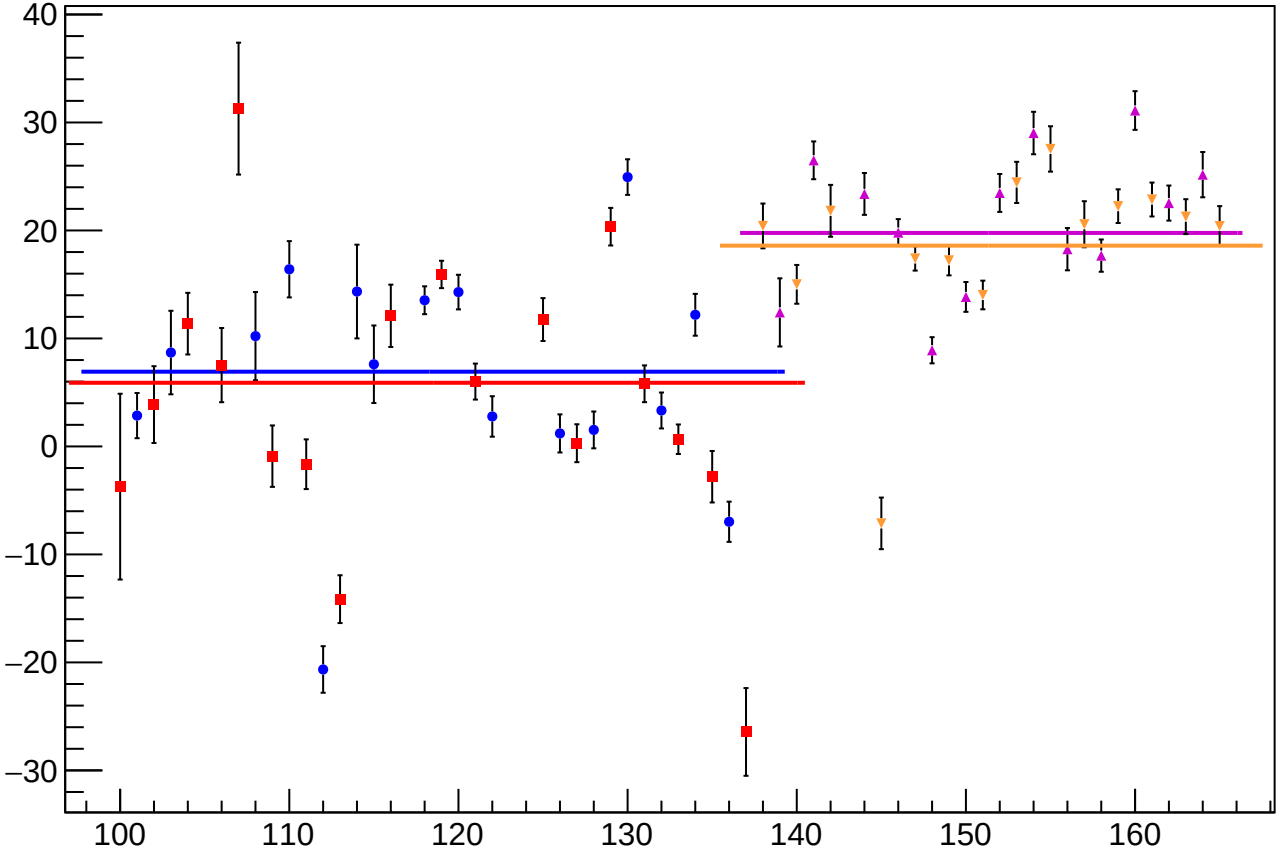
Left In: 23.216+/-0.558 χ^2/NDF:572.8/12

\+ sign 25.762+/-0.364 χ^2/NDF: 3359.0/29

All: 26.797+/-0.258 χ^2/NDF: 7081.4/60

\- sign 27.852+/-0.367 χ^2/NDF: 3706.0/30

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.595+/-0.448 χ^2/NDF:181.4/13

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

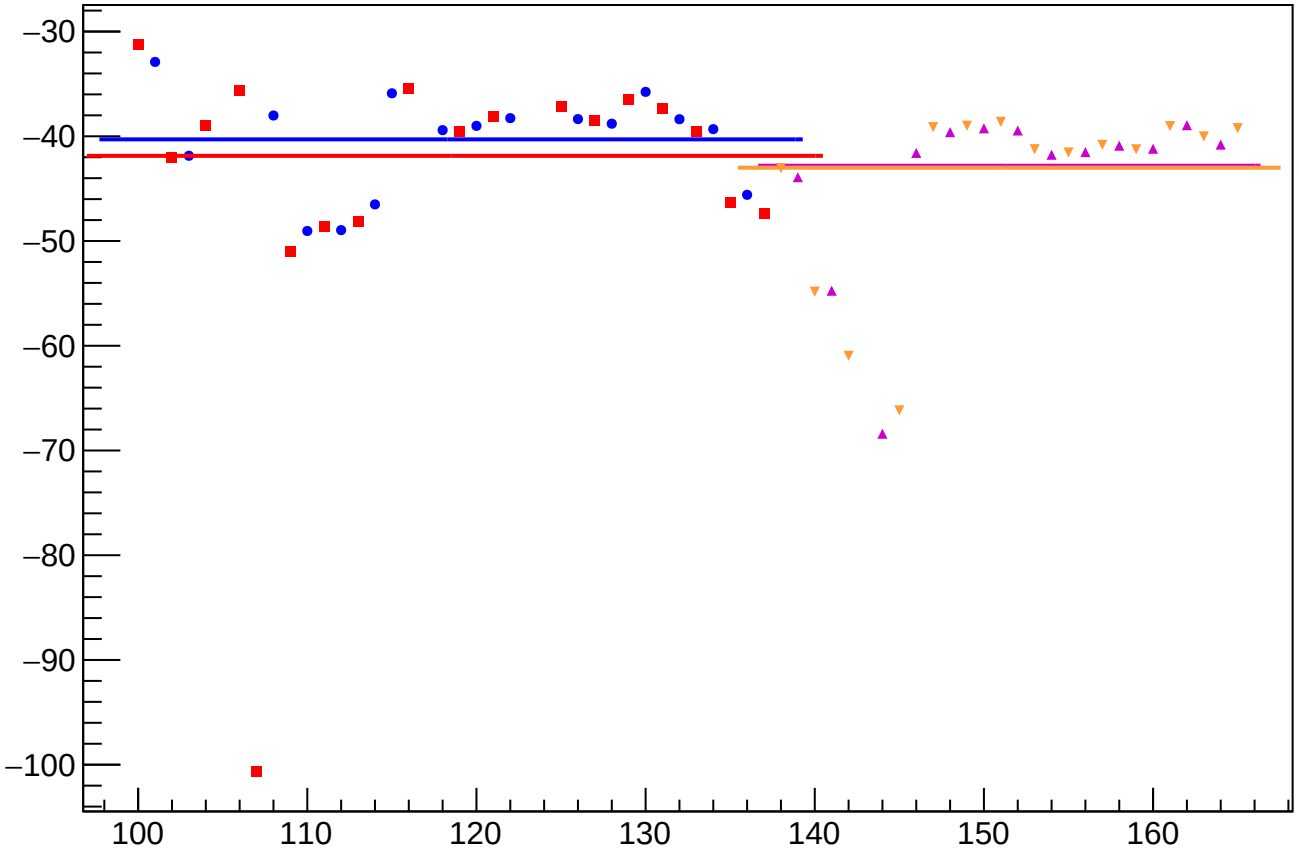
Left In: 19.772+/-0.459 χ^2/NDF:201.2/12

+ sign 13.344+/-0.332 χ^2/NDF: 931.0/29

All: 13.397+/-0.237 χ^2/NDF: 1916.3/60

- sign 13.452+/-0.339 χ^2/NDF: 985.3/30

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -42.998+/-0.021 χ^2/NDF:116097.2/13

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

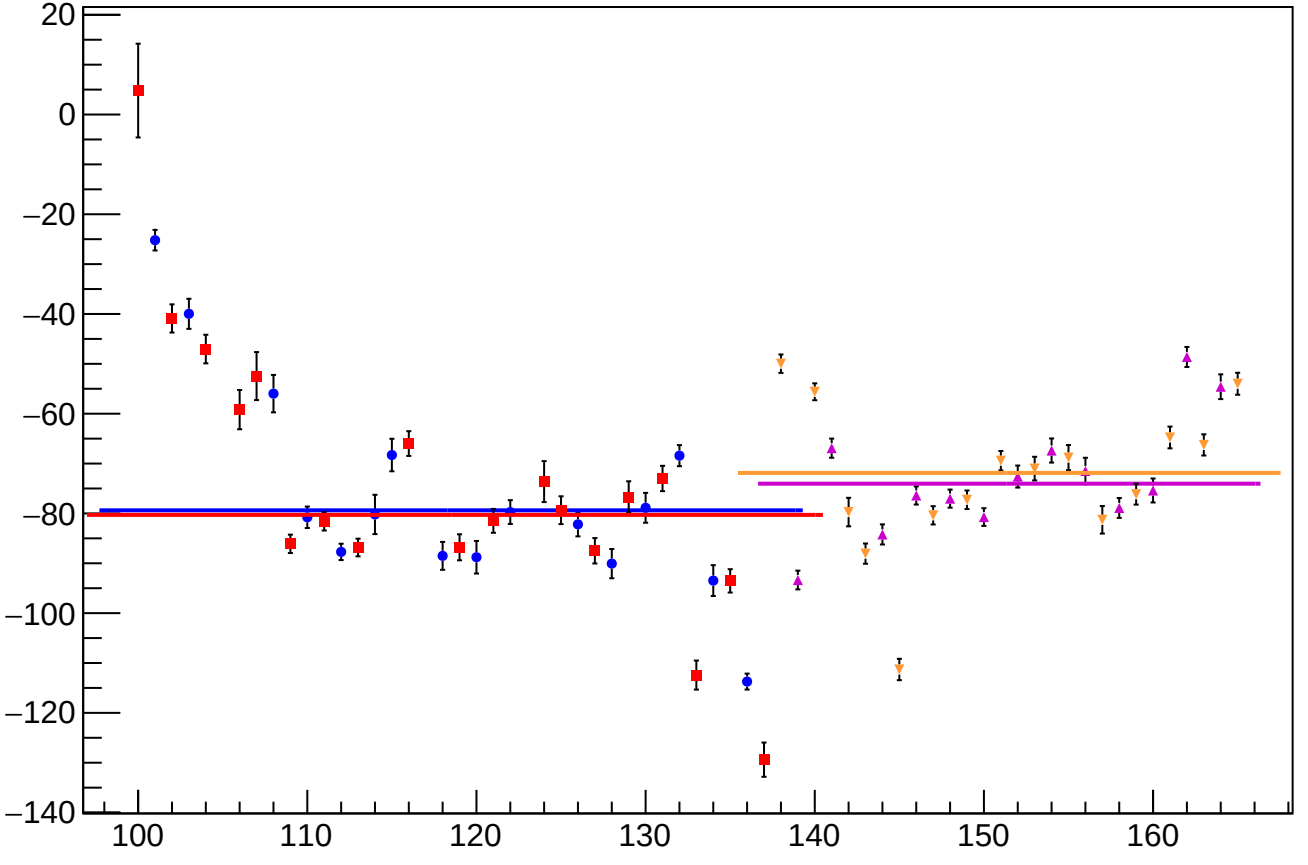
Left In: -42.809+/-0.021 χ^2/NDF:93183.3/12

+ sign -42.154+/-0.018 χ^2/NDF: 141866.8/29

All: -42.339+/-0.012 χ^2/NDF: 294609.0/60

- sign -42.525+/-0.018 χ^2/NDF: 152519.7/30

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -71.872+/-0.542 χ^2/NDF:775.9/14

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

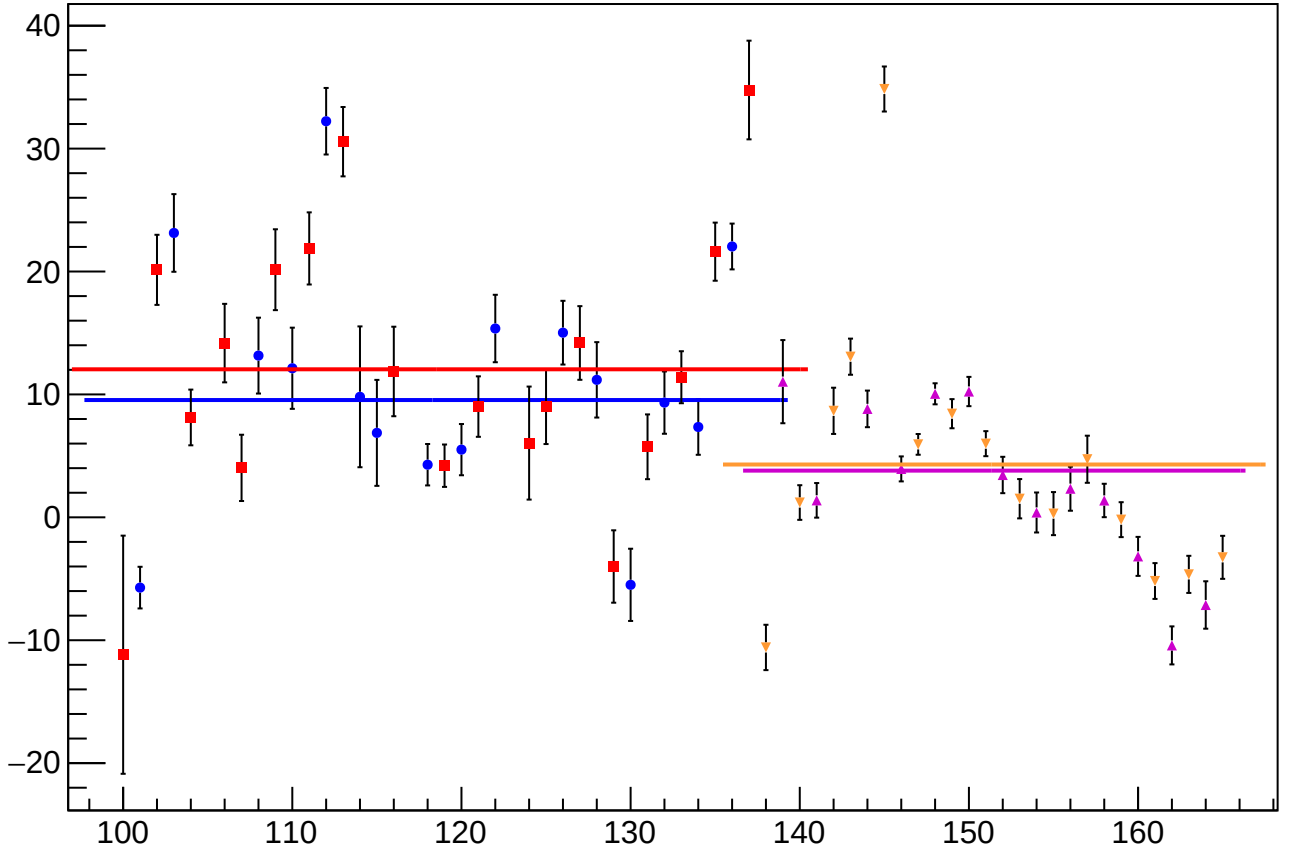
Left In: -74.035+/-0.570 χ^2/NDF:400.2/12

+ sign -75.177+/-0.405 χ^2/NDF: 2336.4/30

All: -76.060+/-0.290 χ^2/NDF: 3717.7/62

- sign -76.985+/-0.415 χ^2/NDF: 1371.6/31

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 4.297+/-0.362 χ^2/NDF:522.0/14

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

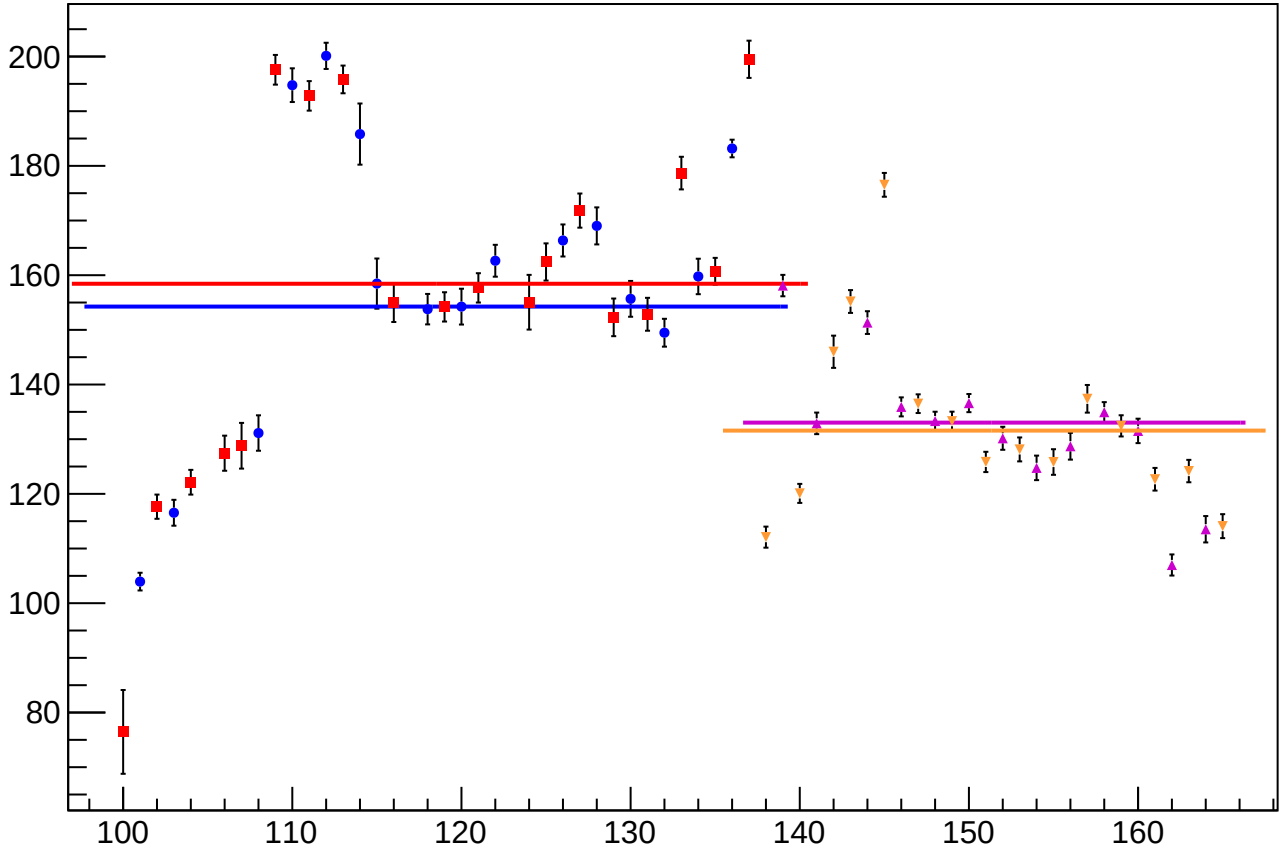
Left In: 3.800+/-0.382 χ^2/NDF:245.7/12

+ sign 5.625+/-0.313 χ^2/NDF: 842.3/30

All: 5.795+/-0.226 χ^2/NDF: 1407.7/62

- sign 5.982+/-0.328 χ^2/NDF: 564.7/31

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 131.574+/-0.526 χ^2/NDF:852.0/14

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

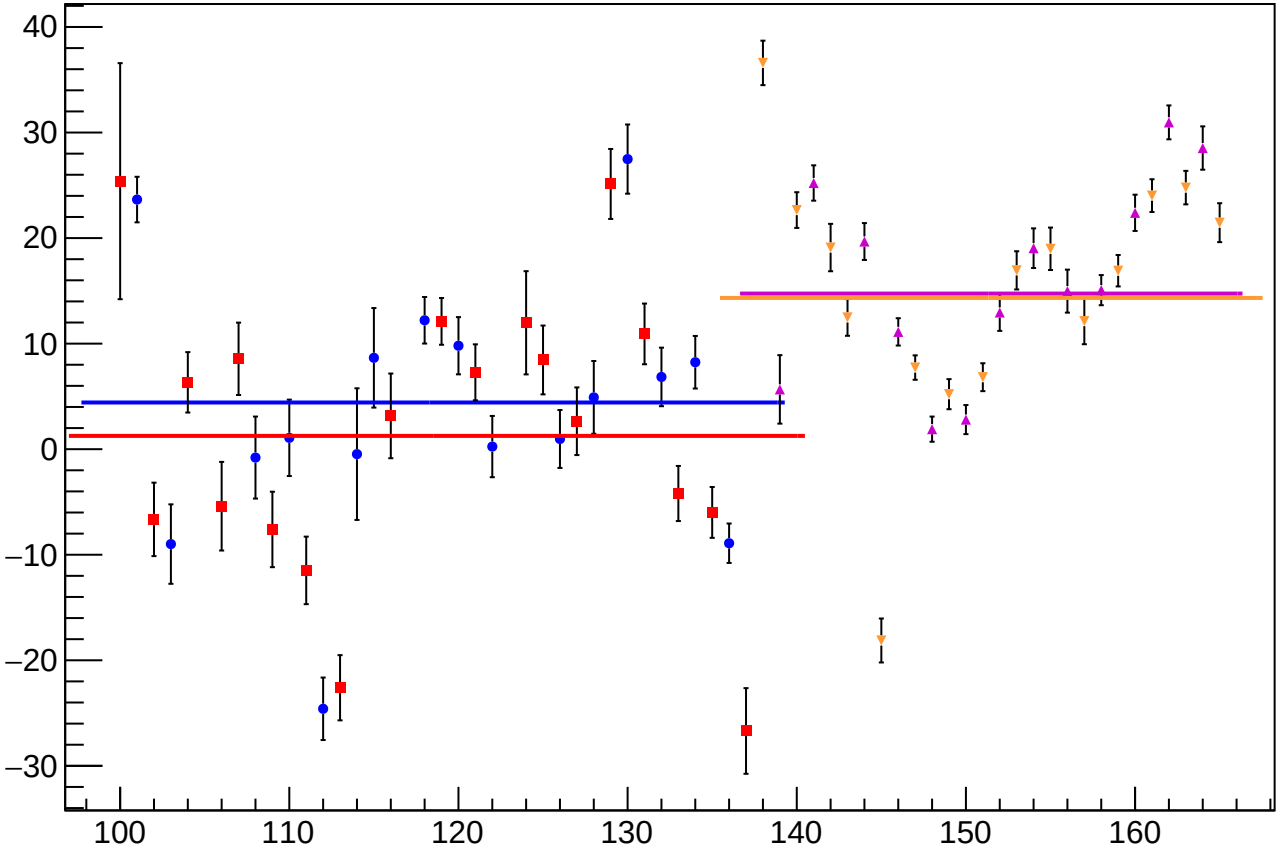
Left In: 133.033+/-0.549 χ^2/NDF:515.8/12

+ sign 140.366+/-0.412 χ^2/NDF: 3785.5/30

All: 141.639+/-0.297 χ^2/NDF: 6826.2/62

- sign 143.014+/-0.428 χ^2/NDF: 3020.8/31

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.329+/-0.428 χ^2/NDF:599.1/14

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

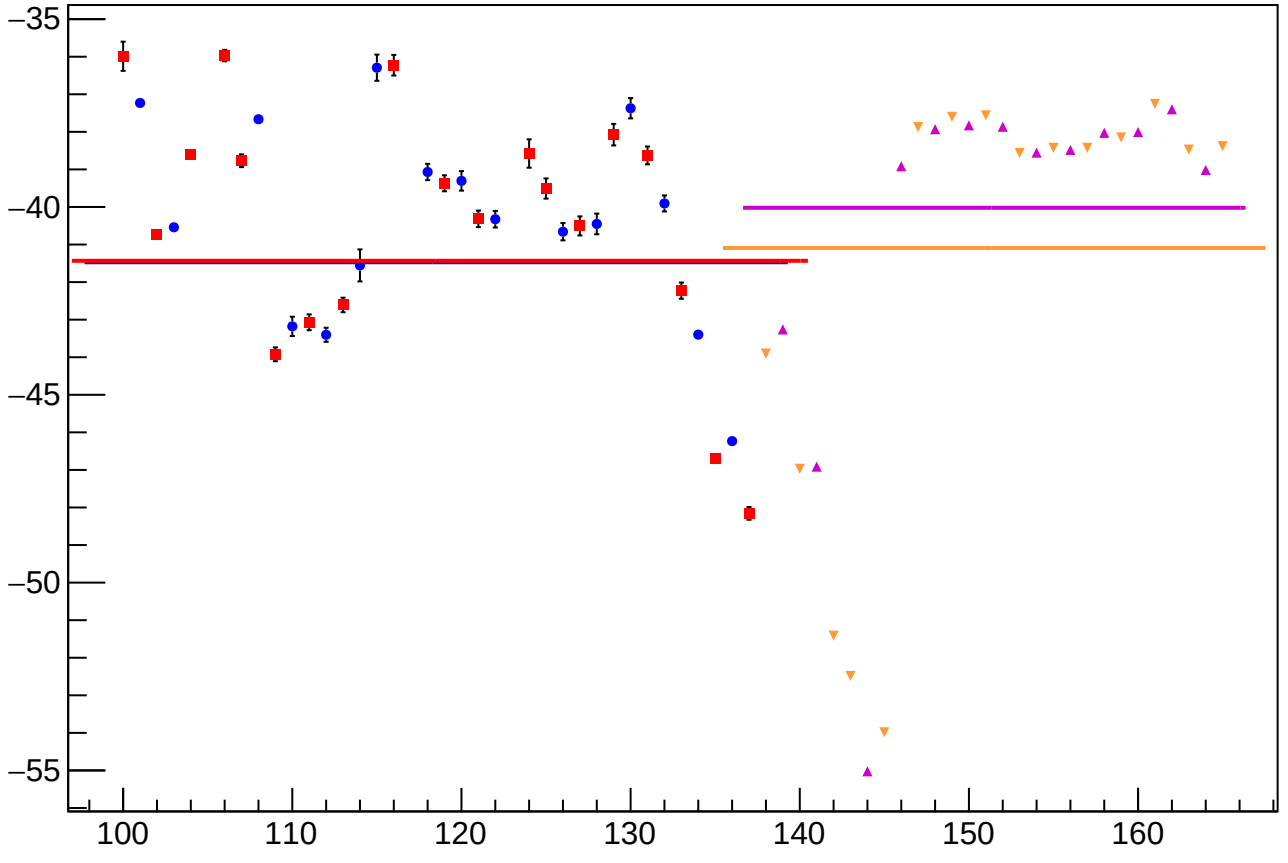
Left In: 14.743+/-0.451 χ^2/NDF:427.5/12

\+ sign 11.712+/-0.367 χ^2/NDF: 1056.8/30

All: 11.386+/-0.265 χ^2/NDF: 1996.9/62

\- sign 11.029+/-0.384 χ^2/NDF: 938.4/31

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -41.092+/-0.020 χ^2/NDF:70763.9/14

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

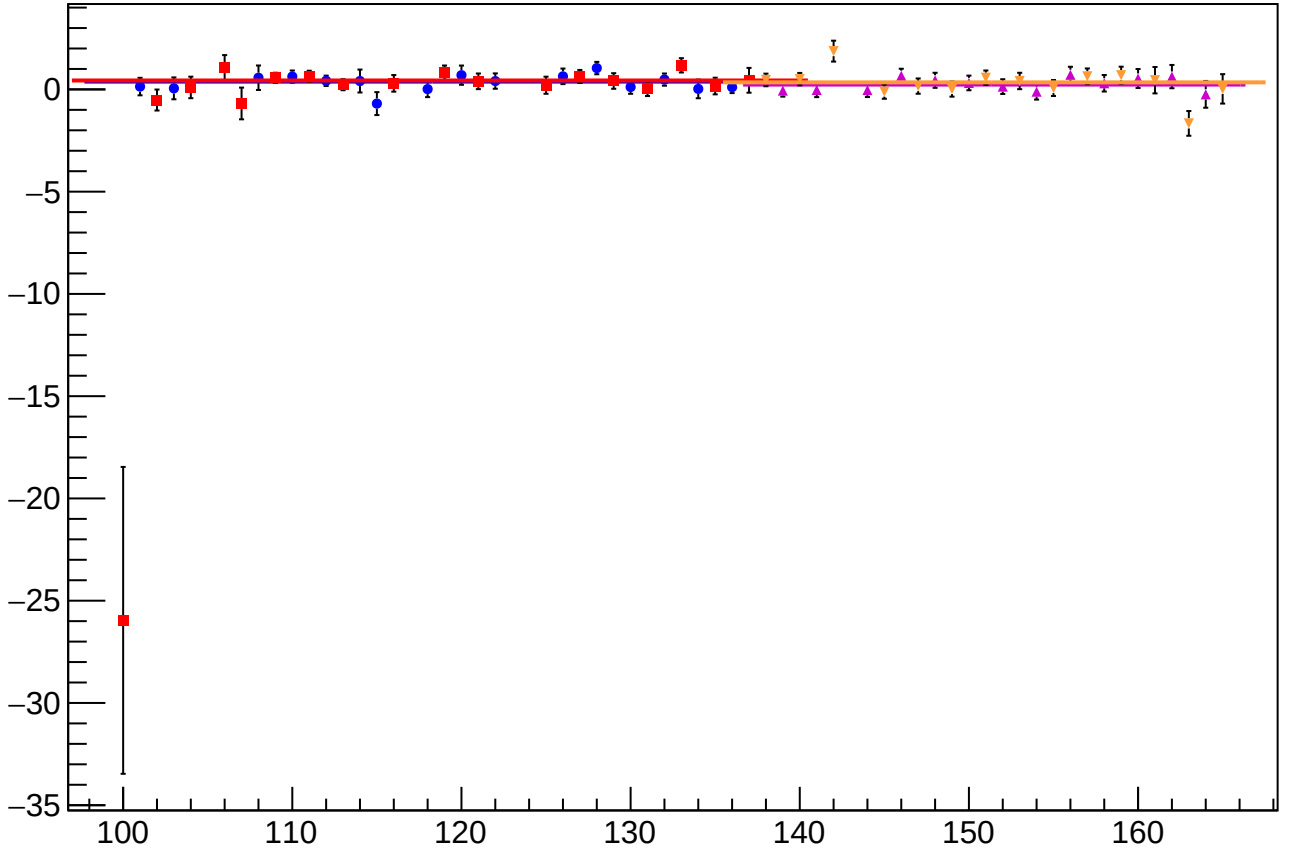
Left In: -40.021+/-0.021 χ^2/NDF:42227.4/12

+ sign -41.175+/-0.018 χ^2/NDF: 78753.5/30

All: -40.764+/-0.013 χ^2/NDF: 131298.2/62

- sign -40.327+/-0.018 χ^2/NDF: 51452.3/31

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.344+/-0.107 χ^2/NDF:25.4/13

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

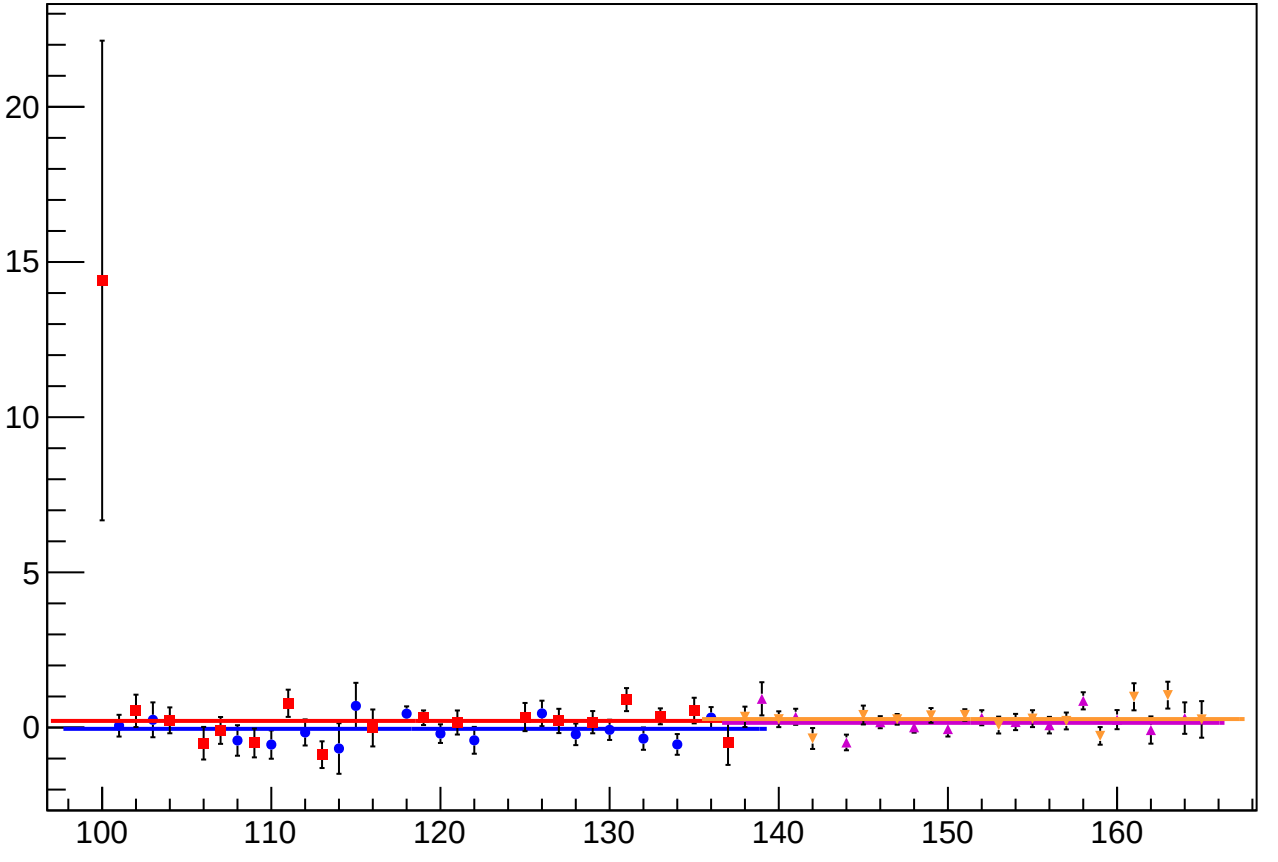
Left In: 0.236+/-0.106 χ^2/NDF:8.0/12

+ sign 0.366+/-0.070 χ^2/NDF: 39.5/29

All: 0.359+/-0.049 χ^2/NDF: 78.6/60

- sign 0.352+/-0.069 χ^2/NDF: 39.1/30

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.273+/-0.072 χ^2/NDF:14.5/13

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

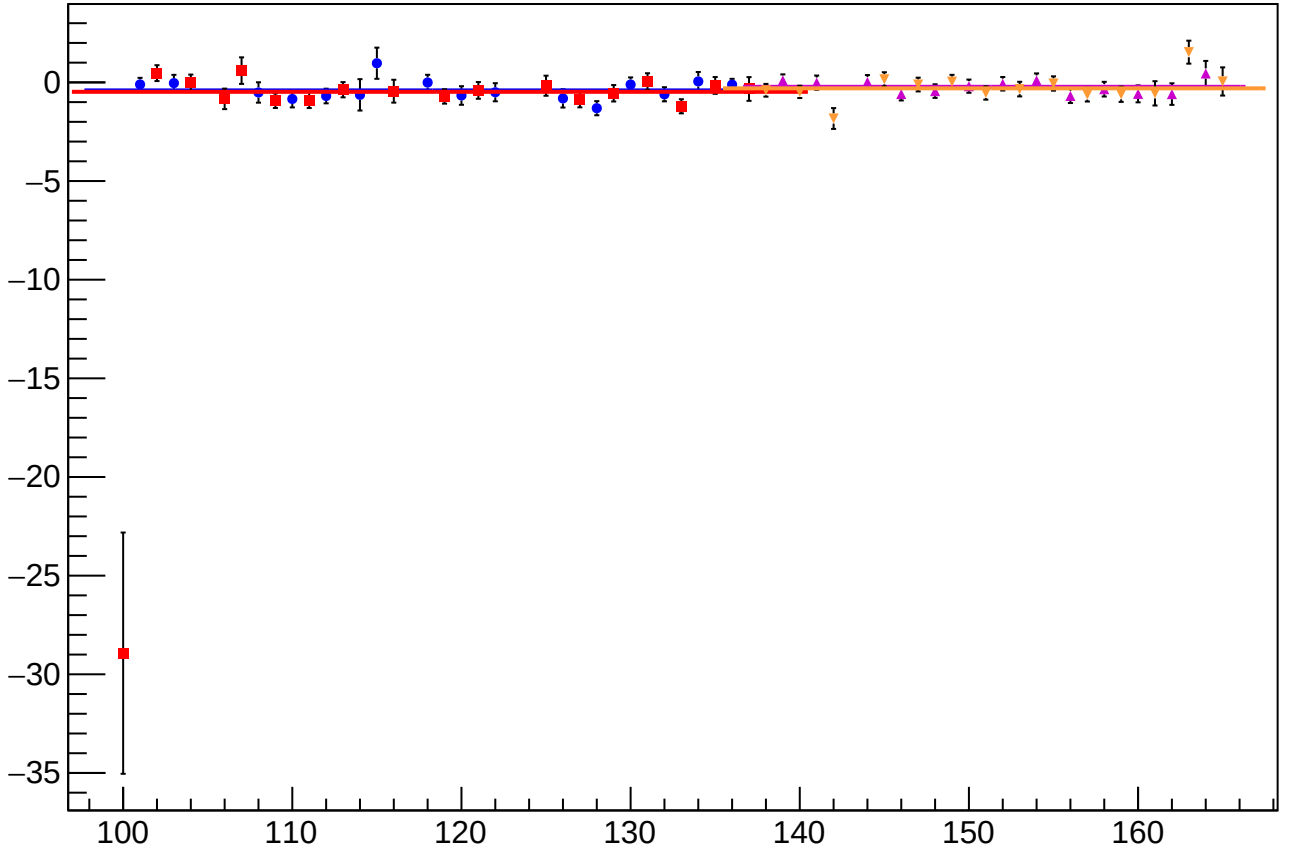
Left In: 0.151+/-0.073 χ^2/NDF:17.9/12

+ sign 0.156+/-0.057 χ^2/NDF: 36.6/29

All: 0.165+/-0.041 χ^2/NDF: 77.3/60

- sign 0.174+/-0.058 χ^2/NDF: 40.6/30

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.301+/-0.103 χ^2/NDF:24.4/13

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

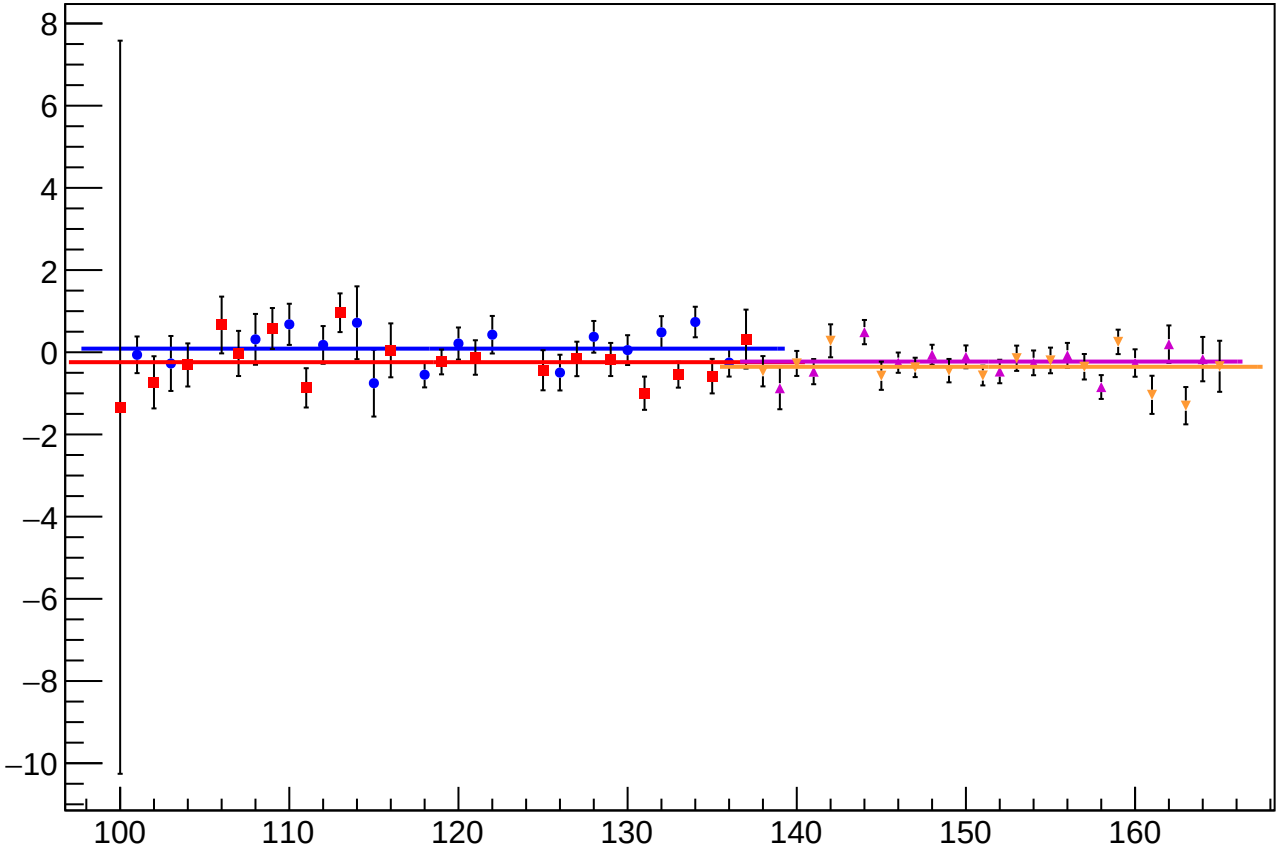
Left In: -0.225+/-0.102 χ^2/NDF:8.6/12

+ sign -0.354+/-0.073 χ^2/NDF: 42.6/29

All: -0.351+/-0.052 χ^2/NDF: 96.5/60

- sign -0.349+/-0.073 χ^2/NDF: 53.9/30

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.354+/-0.086 χ^2/NDF:15.3/13

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

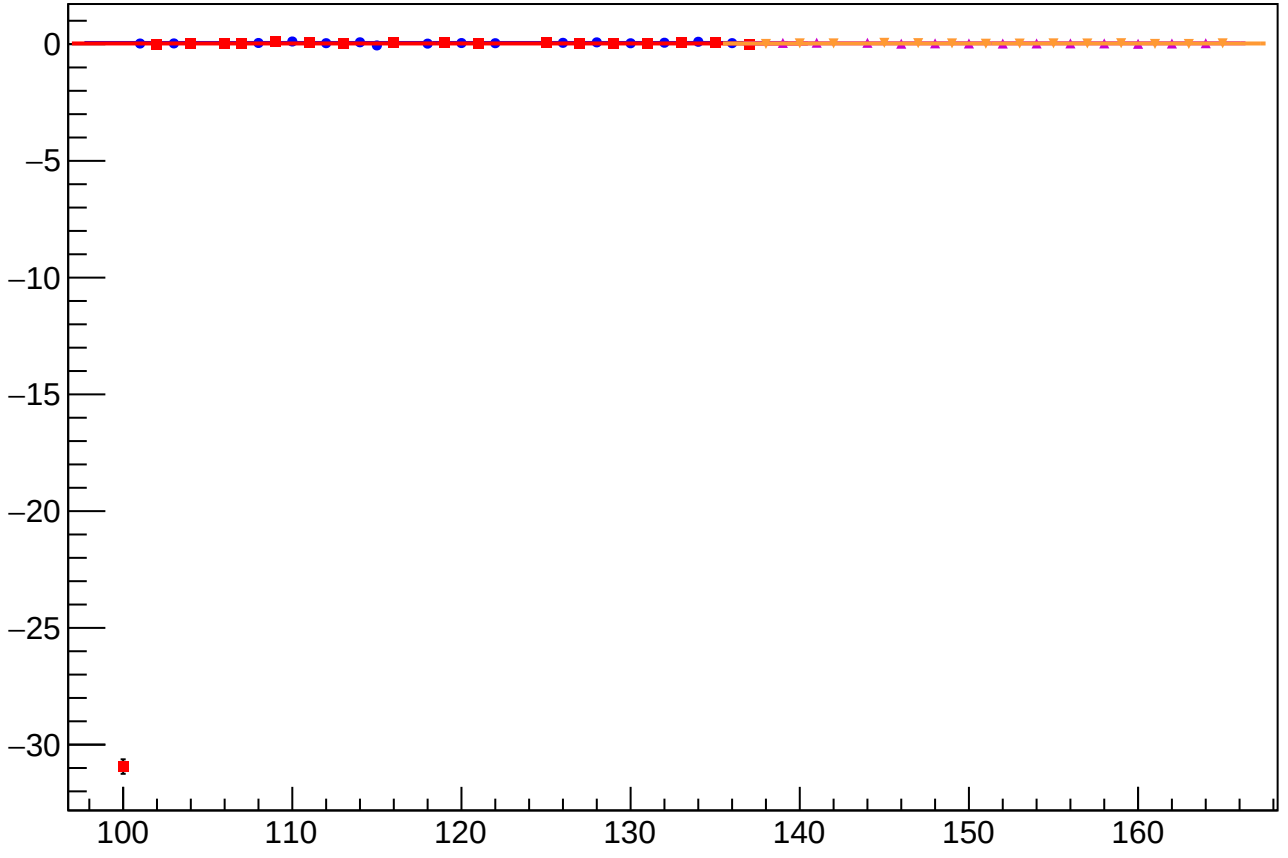
Left In: -0.227+/-0.086 χ^2/NDF:15.2/12

+ sign -0.183+/-0.067 χ^2/NDF: 41.4/29

All: -0.208+/-0.048 χ^2/NDF: 76.5/60

- sign -0.232+/-0.068 χ^2/NDF: 34.8/30

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.004 χ^2/NDF:10.4/13

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

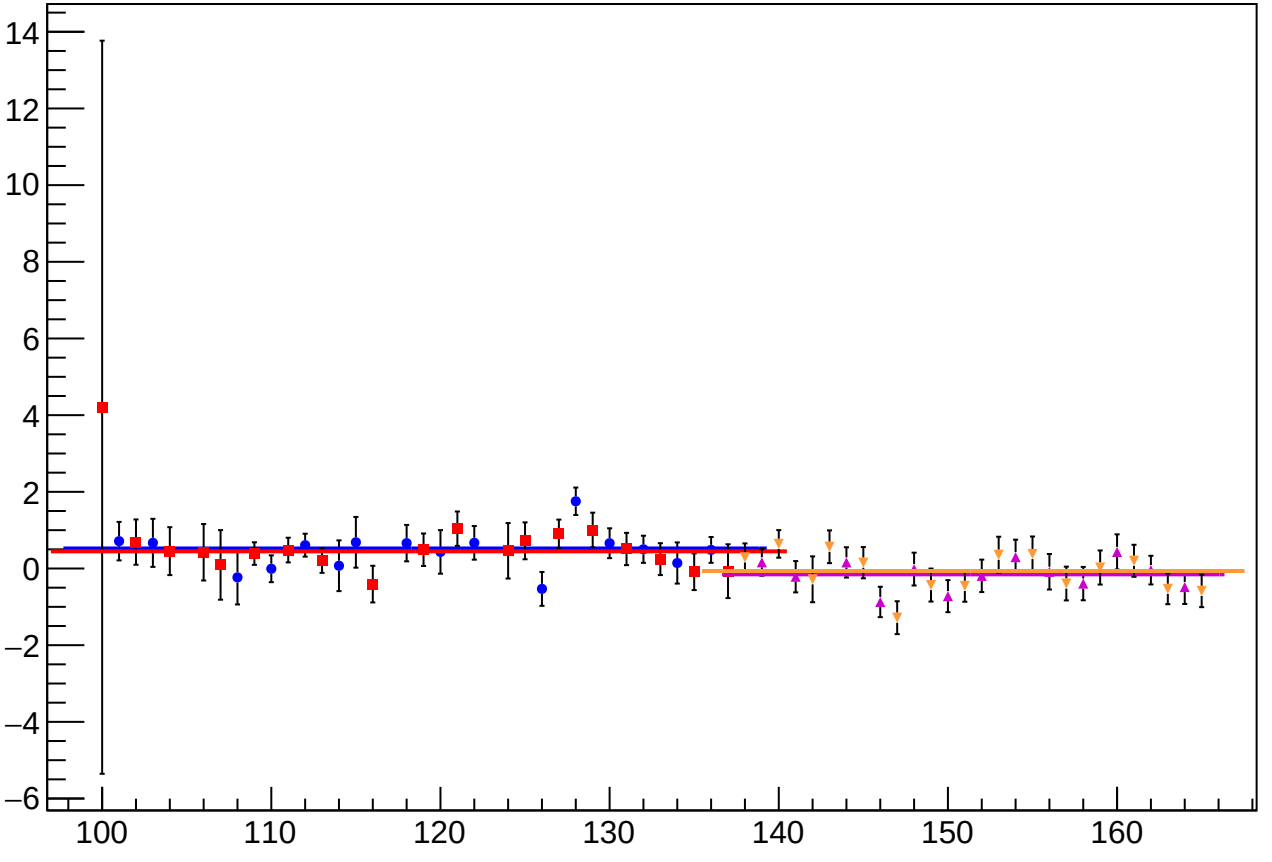
Left In: 0.035+/-0.004 χ^2/NDF:12.0/12

+ sign 0.033+/-0.003 χ^2/NDF: 38.1/29

All: 0.033+/-0.002 χ^2/NDF: 10072.0/60

- sign 0.033+/-0.003 χ^2/NDF: 10033.9/30

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.065+/-0.110 χ^2/NDF:22.7/14

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

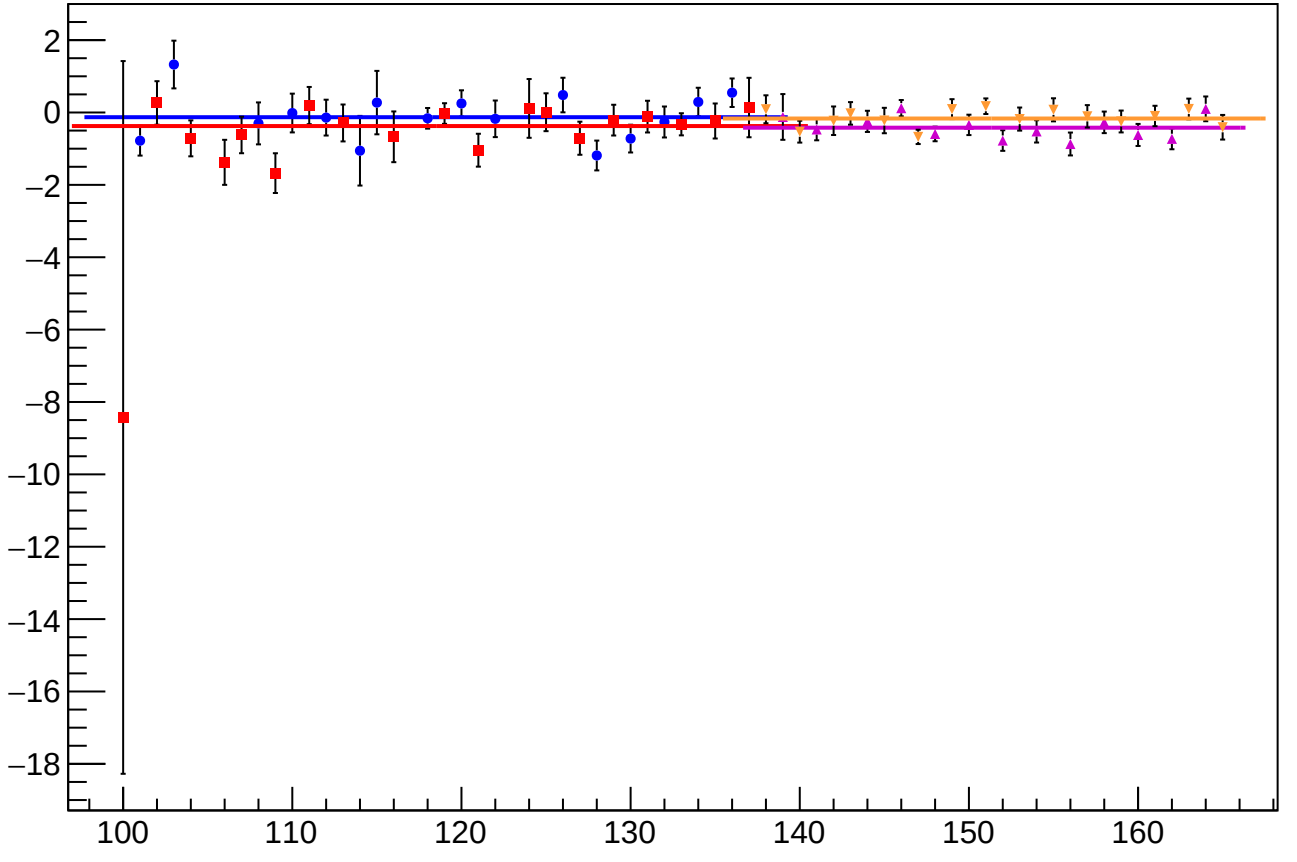
Left In: -0.153+/-0.115 χ^2/NDF:10.3/12

+ sign 0.231+/-0.077 χ^2/NDF: 59.9/30

All: 0.203+/-0.055 χ^2/NDF: 96.7/62

- sign 0.175+/-0.078 χ^2/NDF: 36.5/31

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.166+/-0.075 χ^2/NDF:14.2/14

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

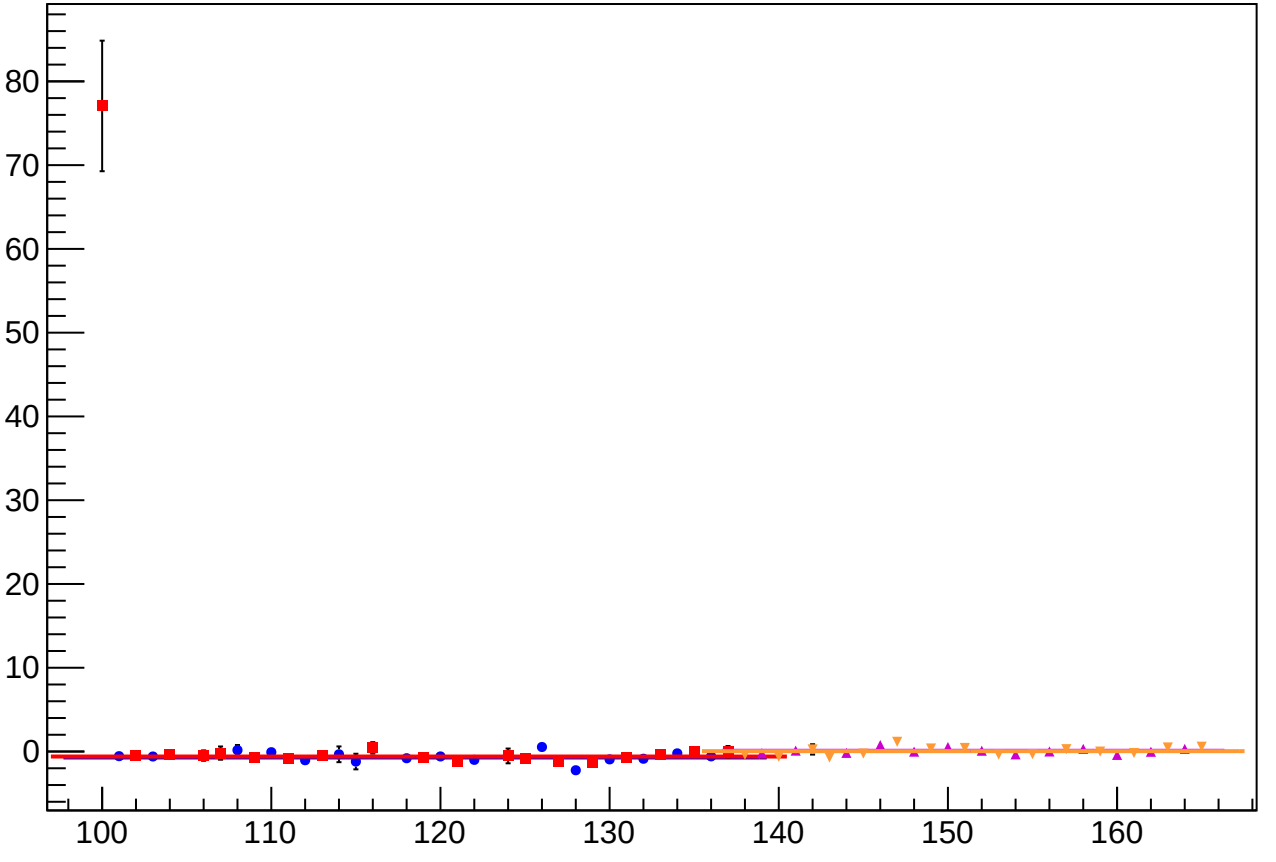
Left In: -0.420+/-0.080 χ^2/NDF:15.0/12

+ sign -0.155+/-0.062 χ^2/NDF: 38.9/30

All: -0.275+/-0.045 χ^2/NDF: 79.9/62

- sign -0.405+/-0.065 χ^2/NDF: 33.3/31

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.043+/-0.106 χ^2/NDF:22.6/14

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

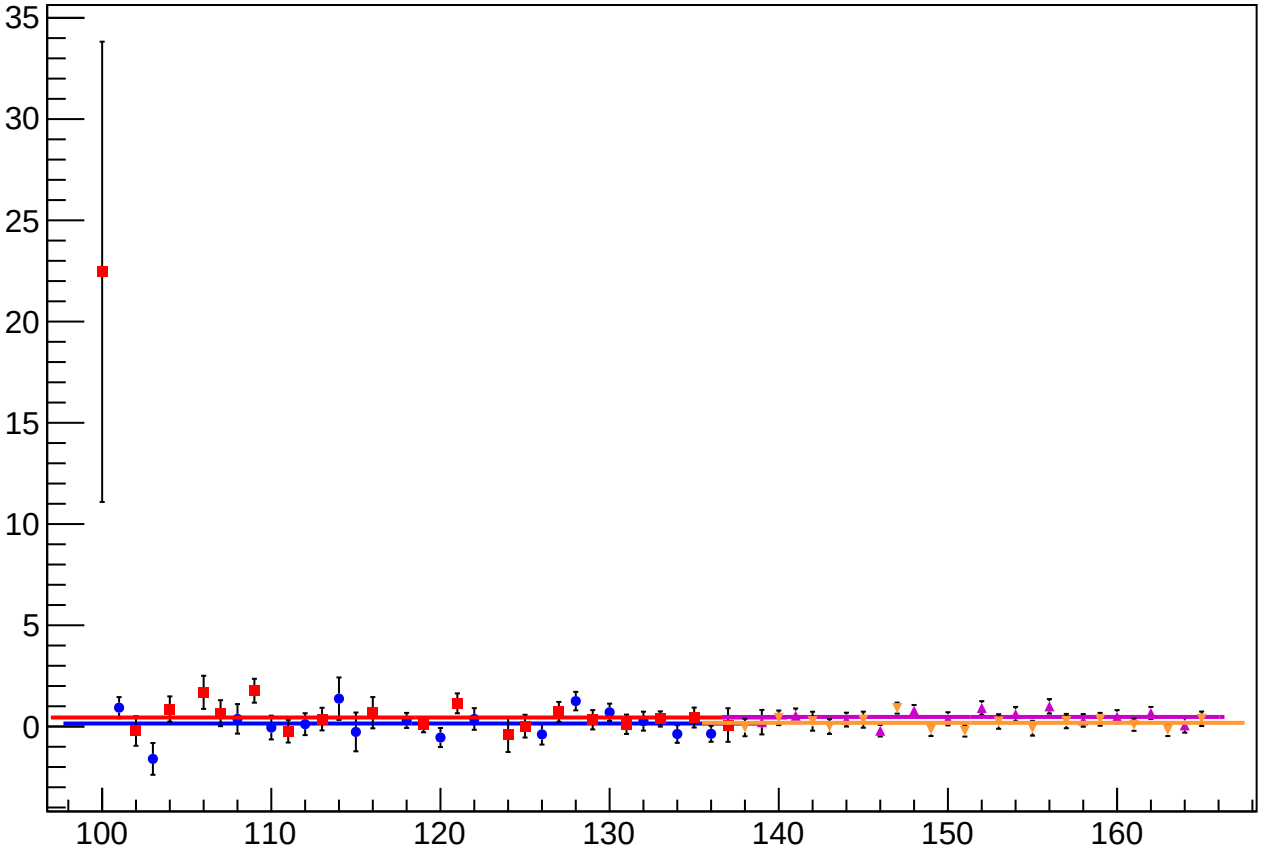
Left In: 0.086+/-0.111 χ^2/NDF:8.7/12

\+ sign -0.285+/-0.080 χ^2/NDF: 69.4/30

All: -0.255+/-0.057 χ^2/NDF: 206.5/62

\- sign -0.225+/-0.082 χ^2/NDF: 136.9/31

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.182+/-0.088 χ^2/NDF:14.1/14

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

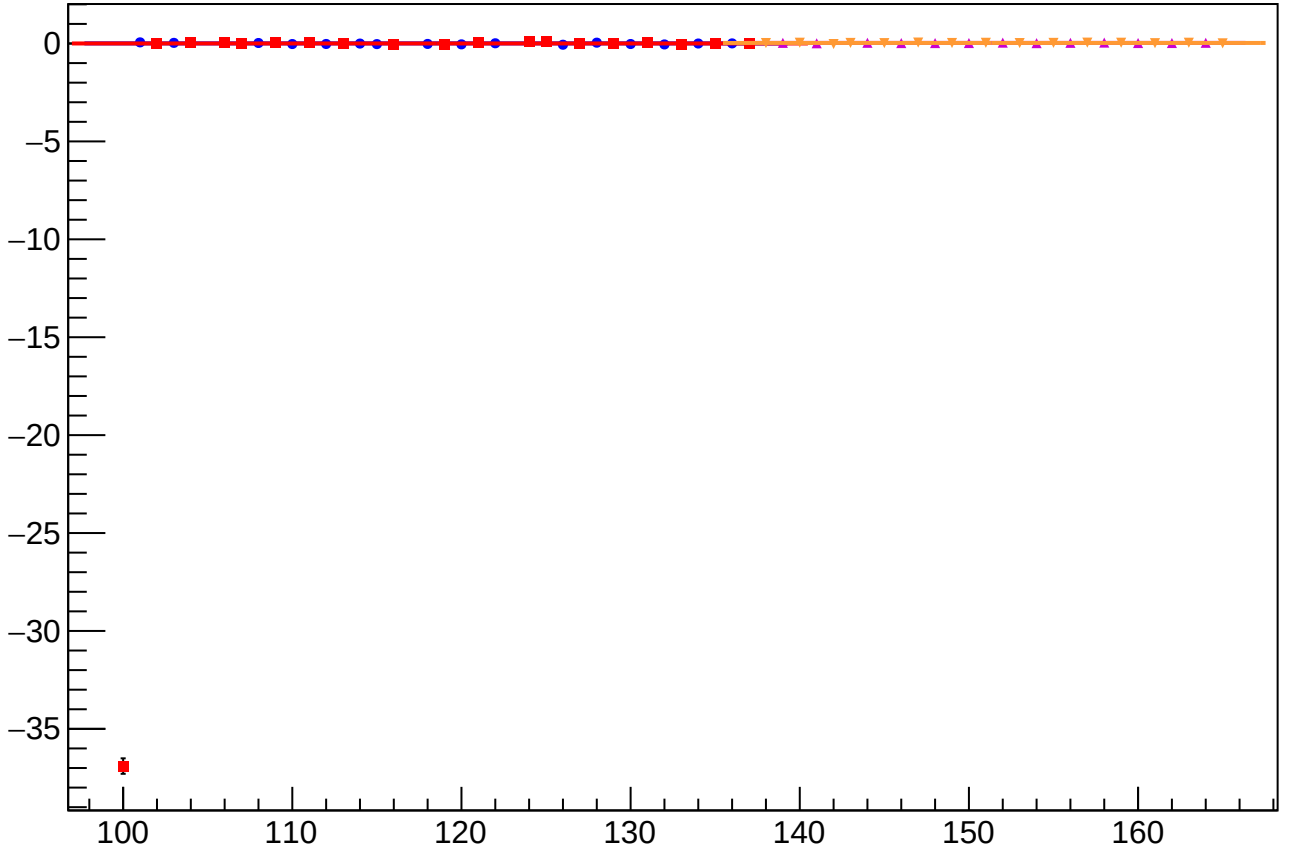
Left In: 0.472+/-0.093 χ^2/NDF:13.4/12

+ sign 0.171+/-0.072 χ^2/NDF: 37.4/30

All: 0.312+/-0.052 χ^2/NDF: 78.3/62

- sign 0.463+/-0.075 χ^2/NDF: 33.1/31

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.029+/-0.004 χ^2/NDF:12.6/14

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

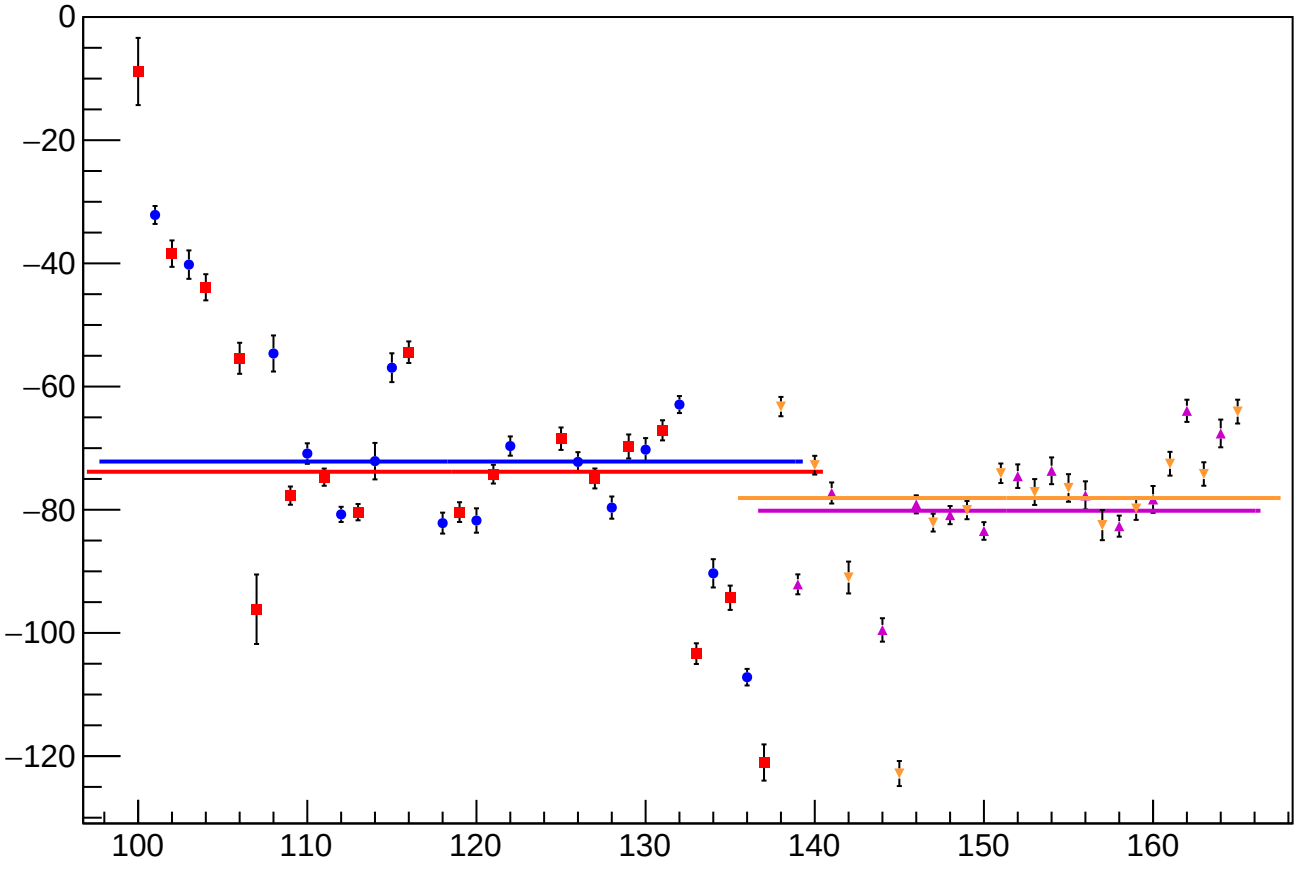
Left In: 0.030+/-0.004 χ^2/NDF:5.5/12

\+ sign 0.023+/-0.004 χ^2/NDF: 37.2/30

All: 0.024+/-0.003 χ^2/NDF: 8806.9/62

\- sign 0.024+/-0.004 χ^2/NDF: 8769.6/31

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -78.098+/-0.484 χ^2/NDF:697.0/13

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

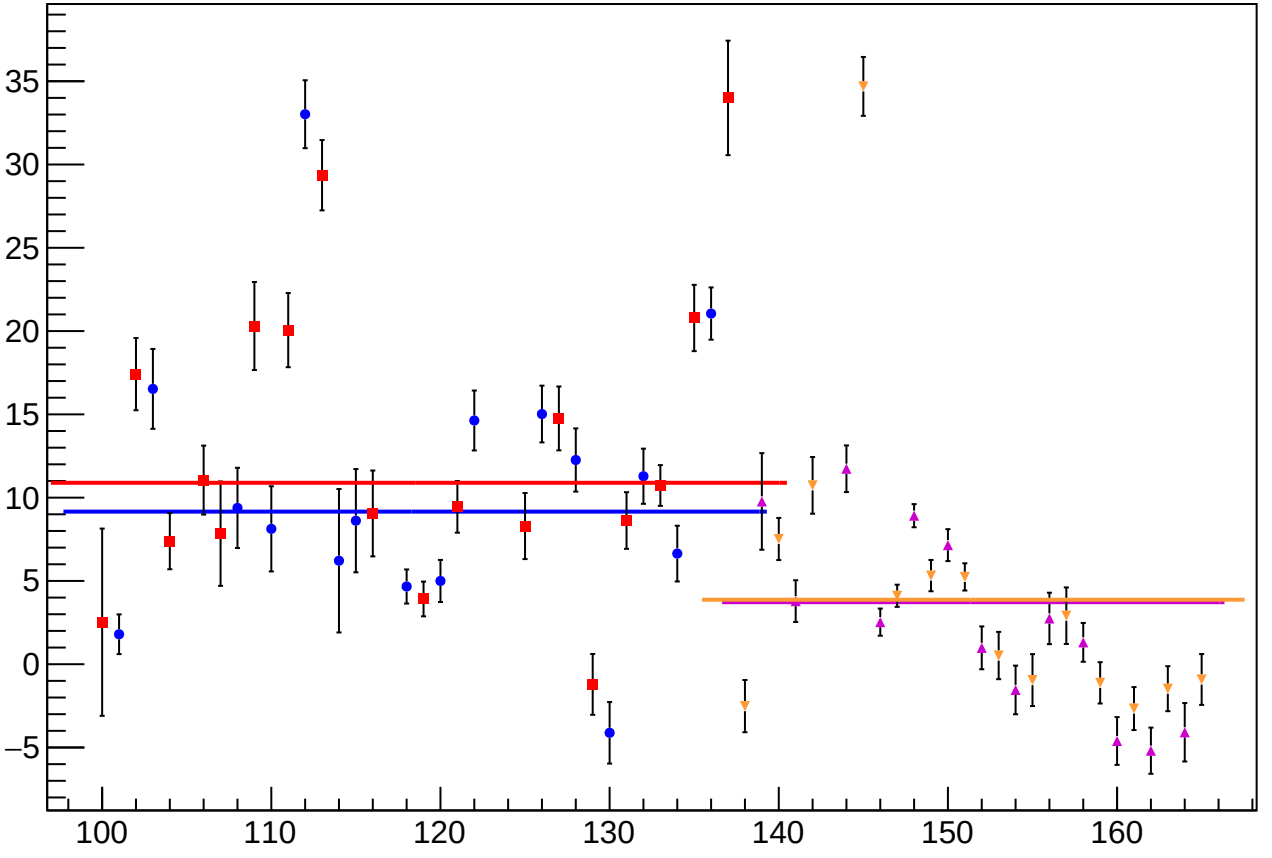
Left In: -80.160+/-0.491 χ^2/NDF:300.6/12

+ sign -74.800+/-0.322 χ^2/NDF: 2716.4/29

All: -75.687+/-0.228 χ^2/NDF: 4683.8/60

- sign -76.583+/-0.324 χ^2/NDF: 1952.2/30

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.872+/-0.315 χ^2/NDF:433.3/13

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

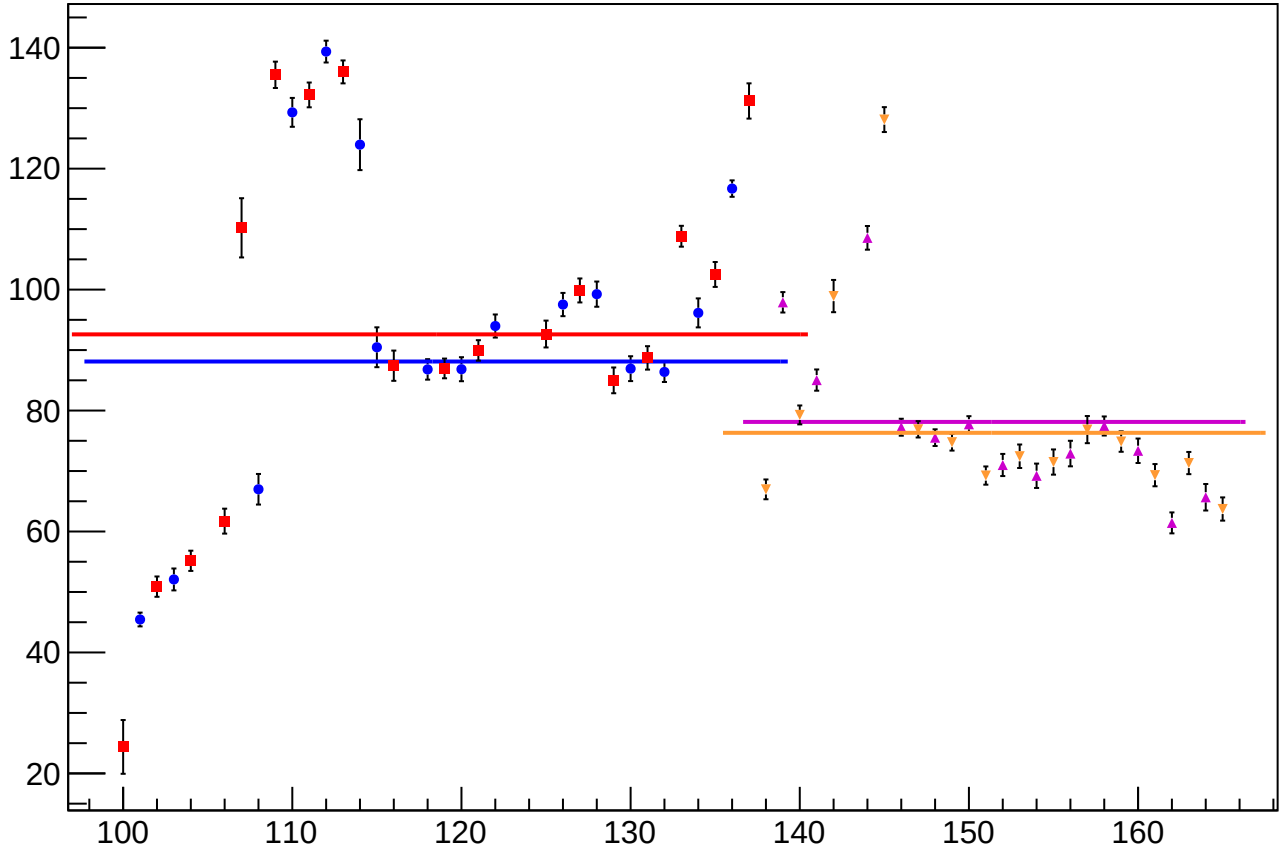
Left In: 3.724+/-0.325 χ^2/NDF:225.1/12

+ sign 5.747+/-0.253 χ^2/NDF: 885.3/29

All: 5.990+/-0.182 χ^2/NDF: 1574.3/60

- sign 6.249+/-0.261 χ^2/NDF: 687.1/30

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 76.318+/-0.467 χ^2/NDF:839.8/13

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

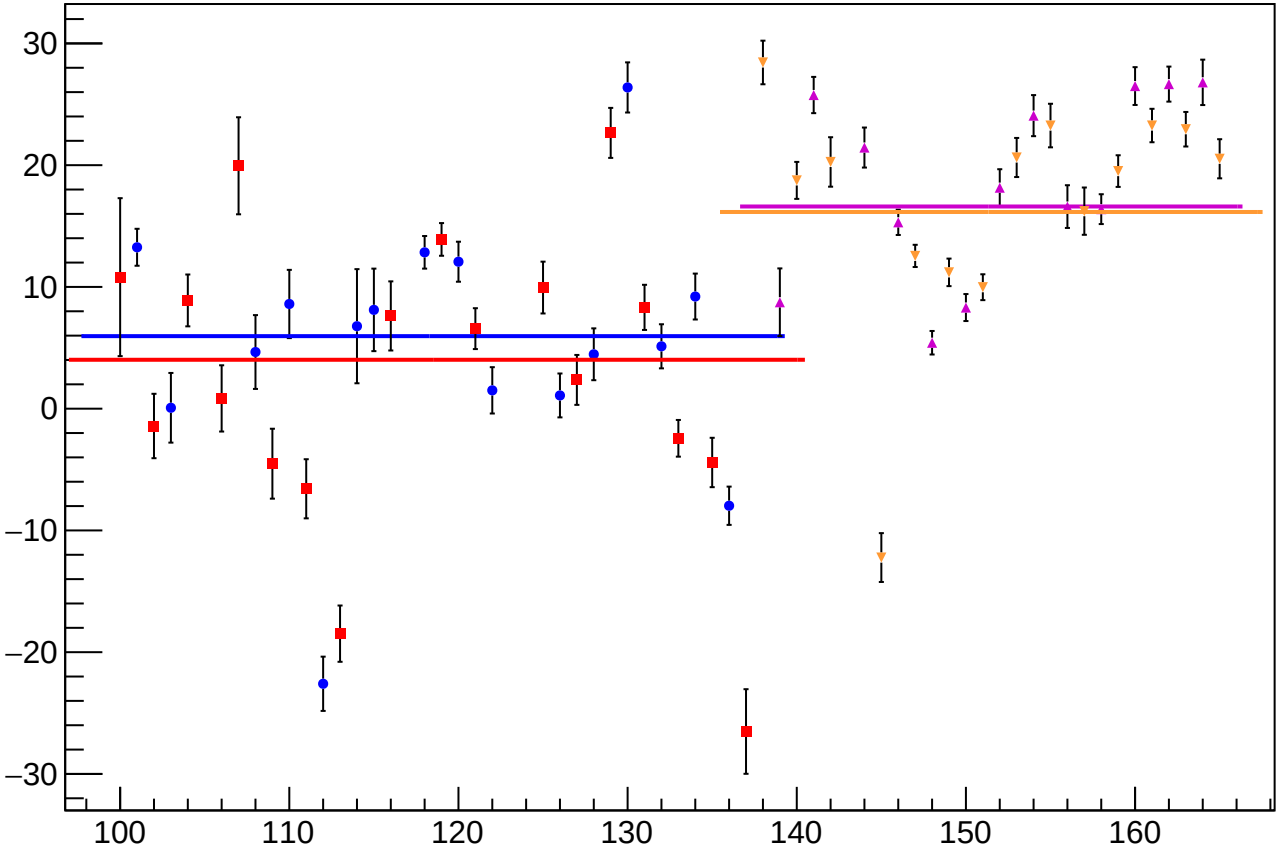
Left In: 78.121+/-0.472 χ^2/NDF:570.3/12

+ sign 82.197+/-0.331 χ^2/NDF: 4718.9/29

All: 83.663+/-0.236 χ^2/NDF: 8999.7/60

- sign 85.188+/-0.338 χ^2/NDF: 4240.7/30

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.156+/-0.376 χ^2/NDF:410.2/13

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

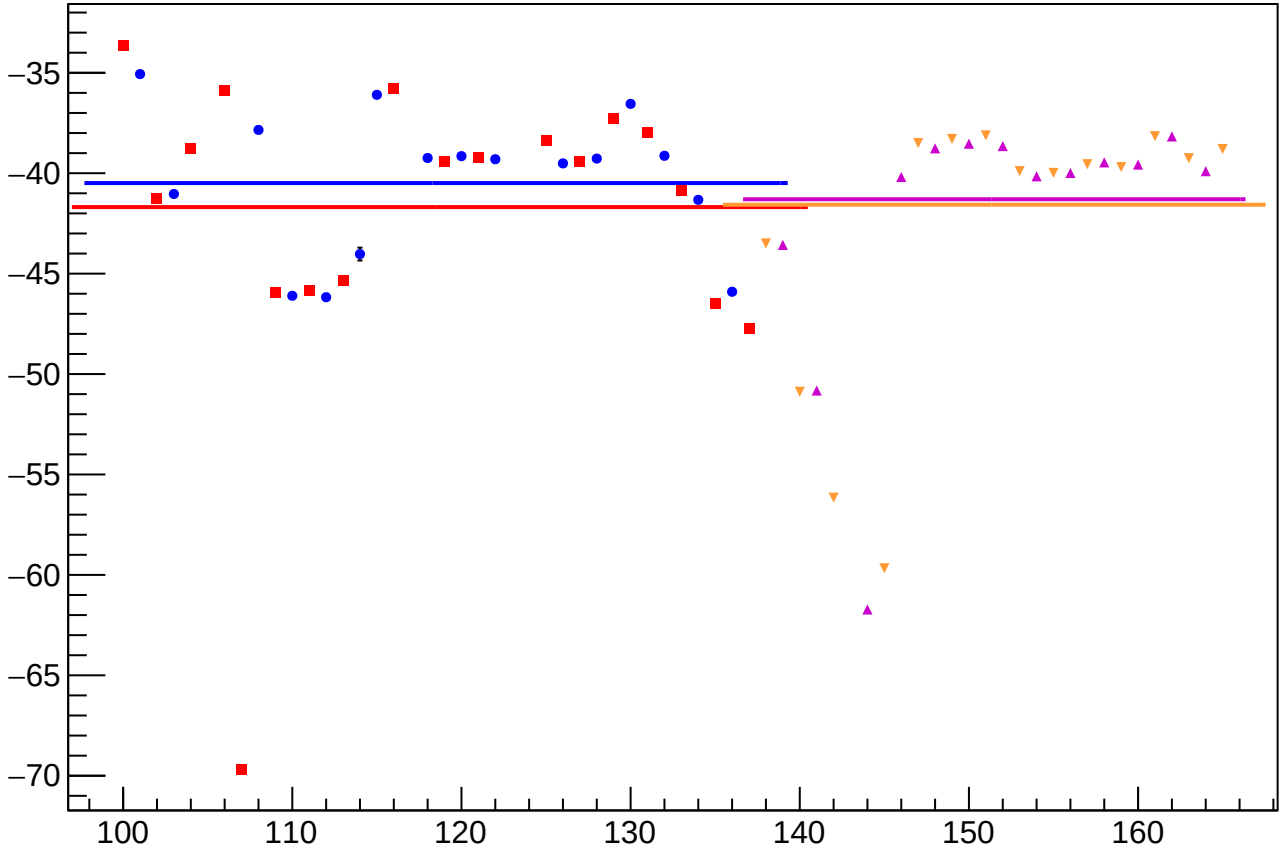
Left In: 16.607+/-0.386 χ^2/NDF:386.1/12

+ sign 12.423+/-0.299 χ^2/NDF: 1106.4/29

All: 12.228+/-0.214 χ^2/NDF: 2299.2/60

- sign 12.021+/-0.308 χ^2/NDF: 1191.9/30

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.569+/-0.018 χ^2/NDF:103640.0/13

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

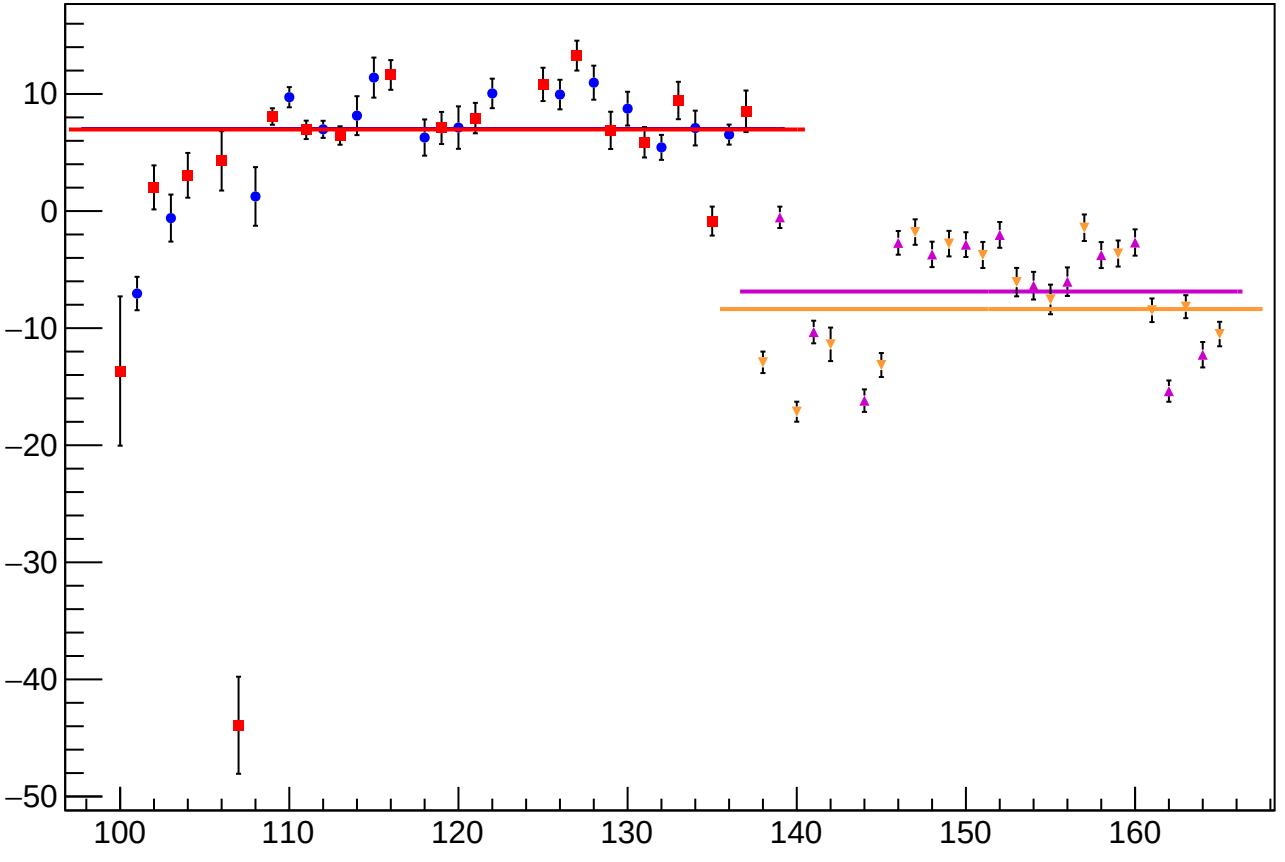
Left In: -41.296+/-0.018 χ^2/NDF:84531.7/12

+ sign -41.260+/-0.015 χ^2/NDF: 122799.7/29

All: -41.331+/-0.011 χ^2/NDF: 244342.6/60

- sign -41.403+/-0.015 χ^2/NDF: 121498.9/30

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.370+/-0.285 χ^2/NDF:299.8/13

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

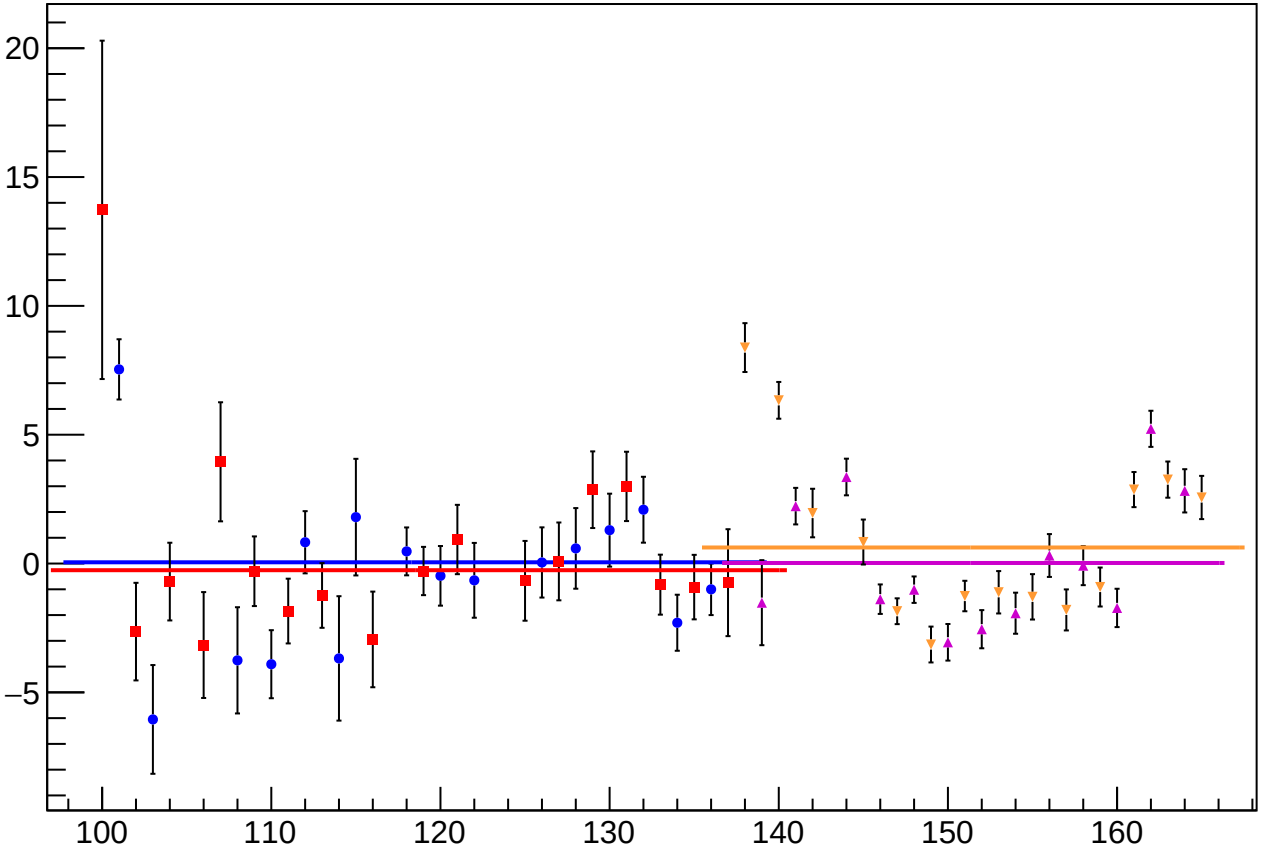
Left In: -6.871+/-0.289 χ^2/NDF:348.5/12

\+ sign -1.305+/-0.210 χ^2/NDF: 1793.5/29

All: -0.727+/-0.148 χ^2/NDF: 3532.2/60

\- sign -0.159+/-0.208 χ^2/NDF: 1723.6/30

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.623+/-0.196 χ^2/NDF:249.8/13

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

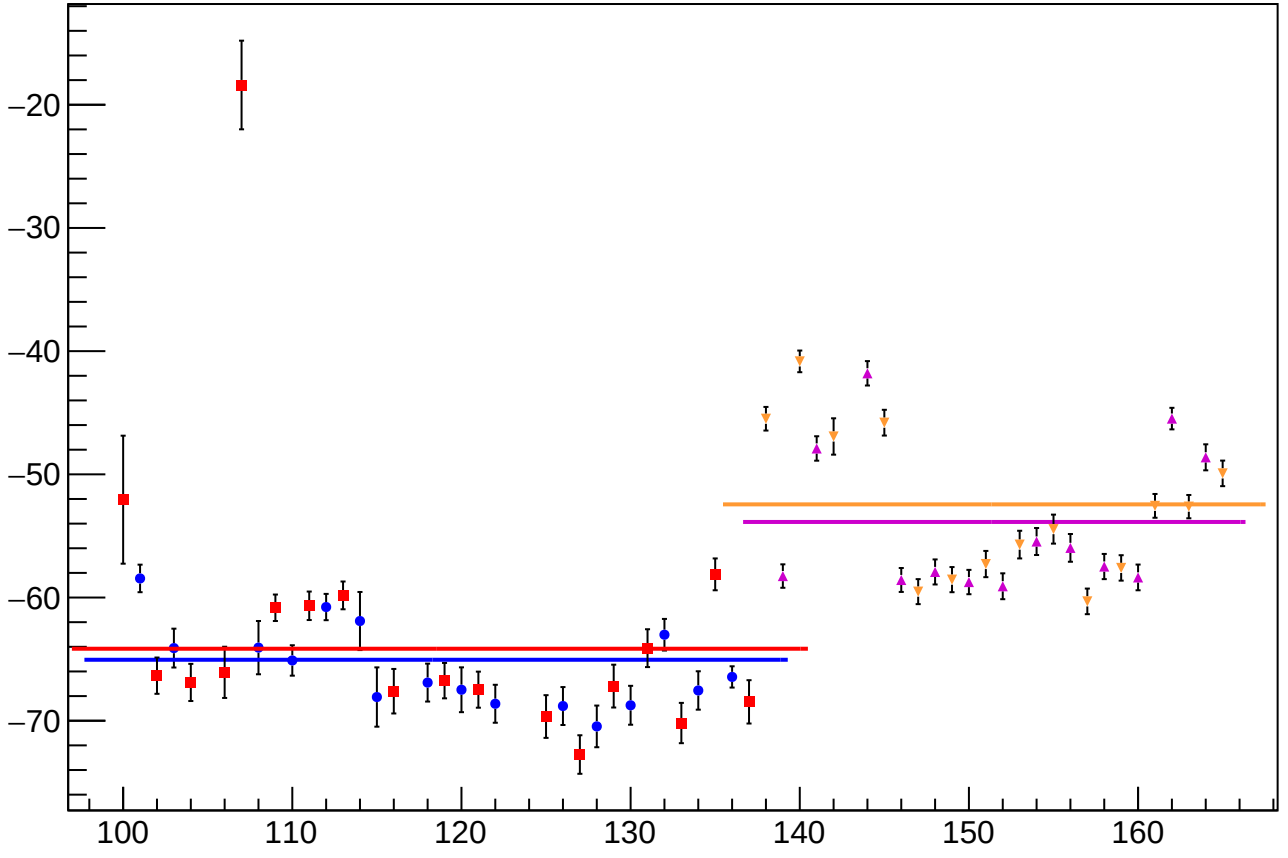
Left In: 0.022+/-0.200 χ^2/NDF:151.5/12

+ sign 0.474+/-0.168 χ^2/NDF: 327.0/29

All: 0.220+/-0.121 χ^2/NDF: 511.2/60

- sign -0.049+/-0.173 χ^2/NDF: 179.5/30

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.438+/-0.277 χ^2/NDF:486.0/13

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

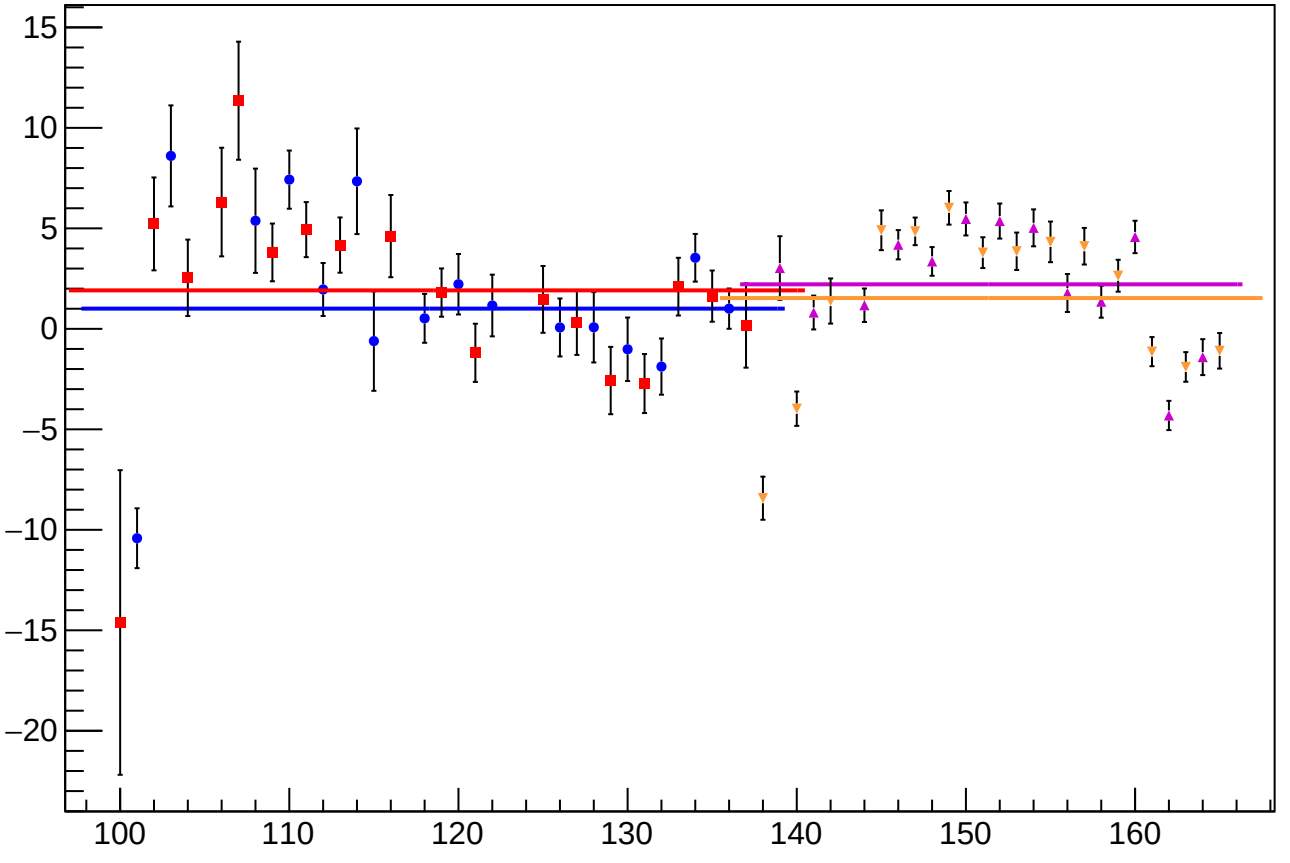
Left In: -53.865+/-0.280 χ^2/NDF:447.9/12

+ sign -57.219+/-0.218 χ^2/NDF: 1367.1/29

All: -57.471+/-0.155 χ^2/NDF: 2630.4/60

- sign -57.730+/-0.221 χ^2/NDF: 1260.6/30

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.532+/-0.228 χ^2/NDF:268.1/13

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

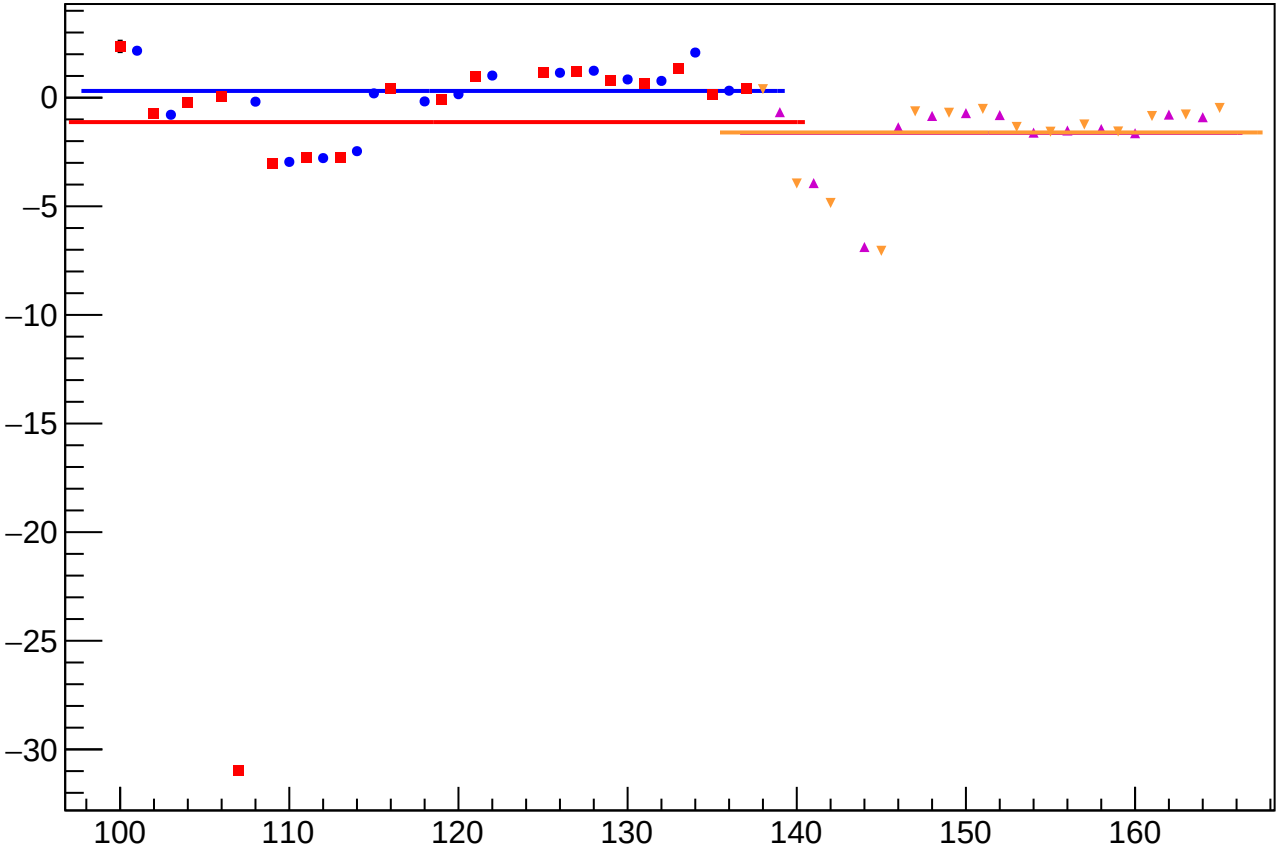
Left In: 2.215+/-0.233 χ^2/NDF:159.4/12

+ sign 1.390+/-0.195 χ^2/NDF: 378.7/29

All: 1.754+/-0.139 χ^2/NDF: 600.2/60

- sign 2.136+/-0.200 χ^2/NDF: 214.3/30

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.601+/-0.010 χ^2/NDF:30388.1/13

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

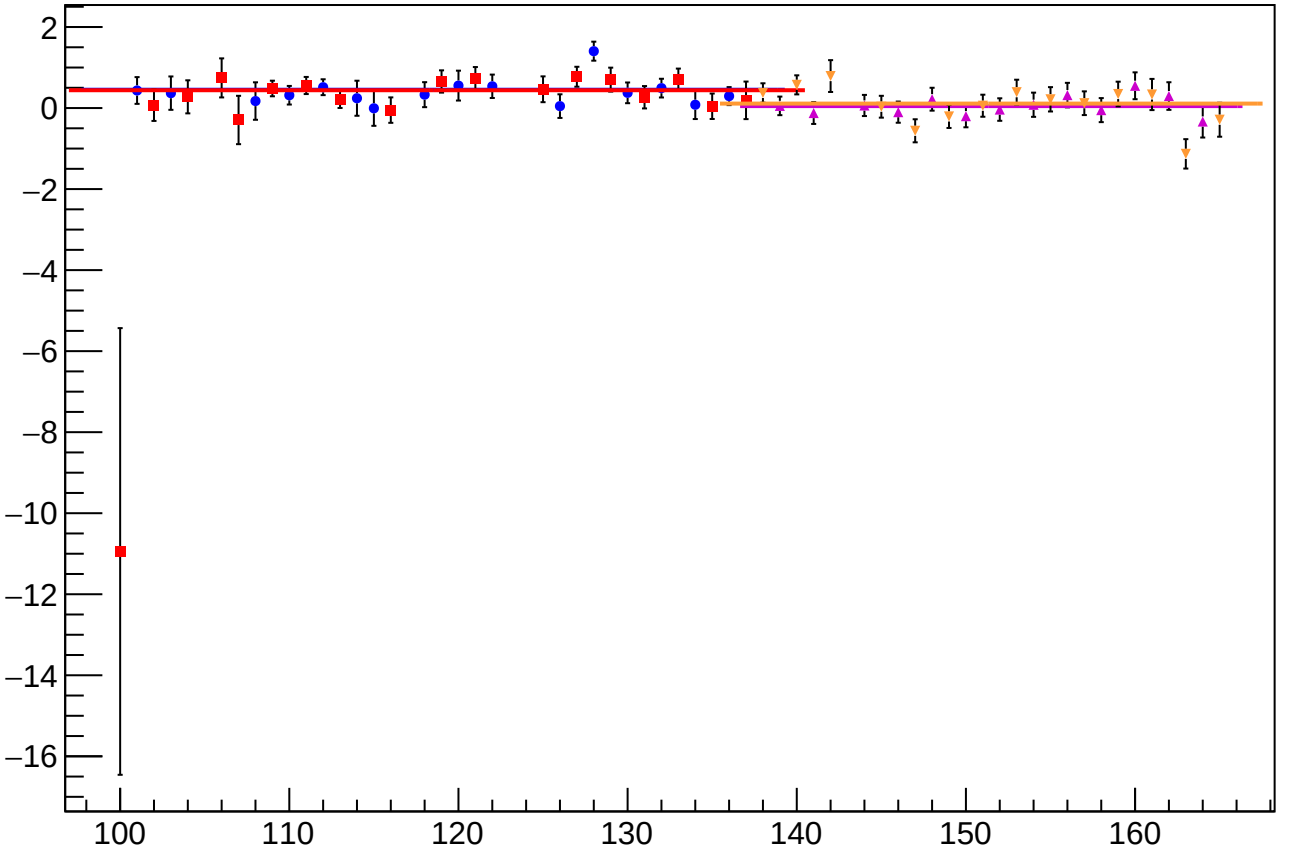
Left In: -1.624+/-0.010 χ^2/NDF:20534.4/12

\+ sign -1.225+/-0.009 χ^2/NDF: 41848.4/29

All: -1.376+/-0.007 χ^2/NDF: 109680.2/60

\- sign -1.533+/-0.009 χ^2/NDF: 67296.8/30

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.110+/-0.080 χ^2/NDF:29.5/13

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

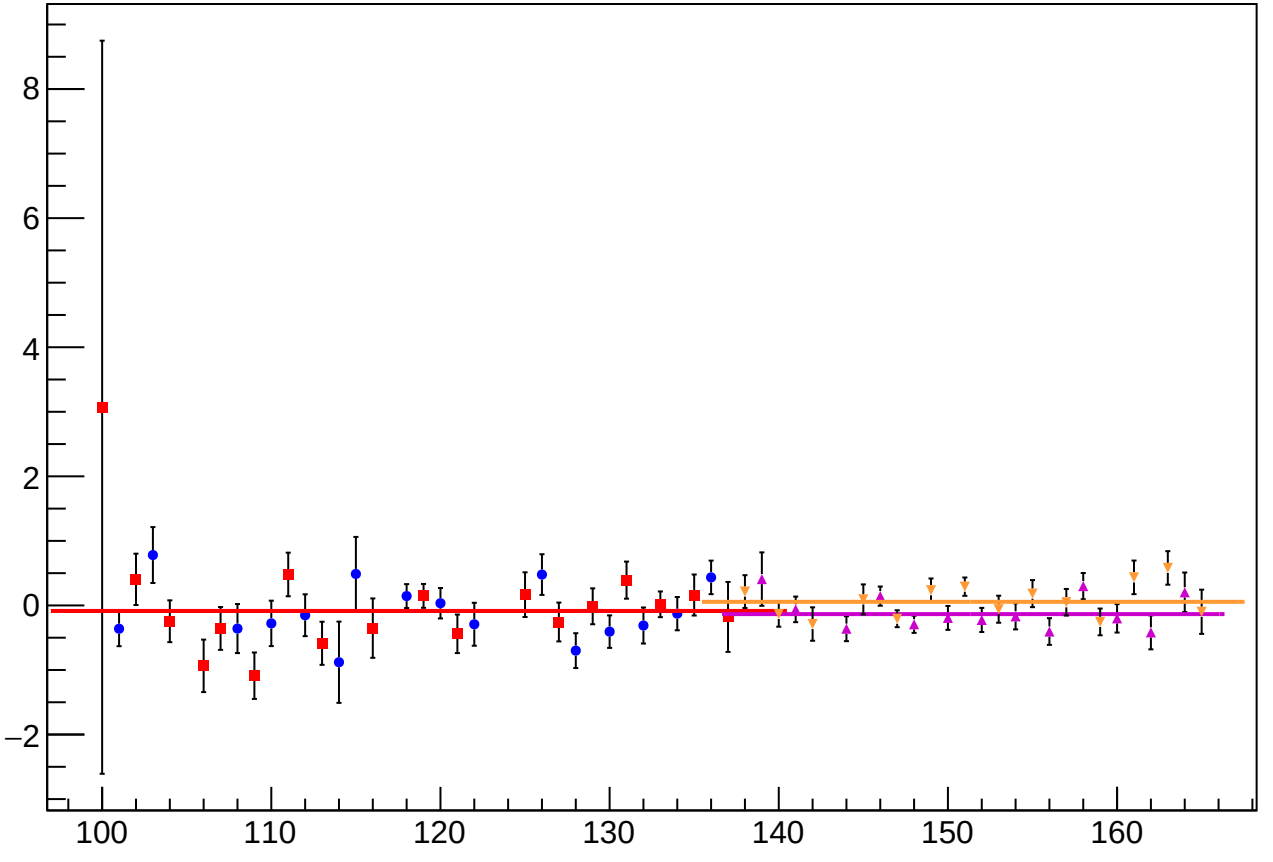
Left In: 0.048+/-0.079 χ^2/NDF:6.7/12

+ sign 0.300+/-0.053 χ^2/NDF: 62.4/29

All: 0.285+/-0.037 χ^2/NDF: 101.5/60

- sign 0.270+/-0.052 χ^2/NDF: 39.0/30

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.056+/-0.054 χ^2/NDF:20.1/13

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

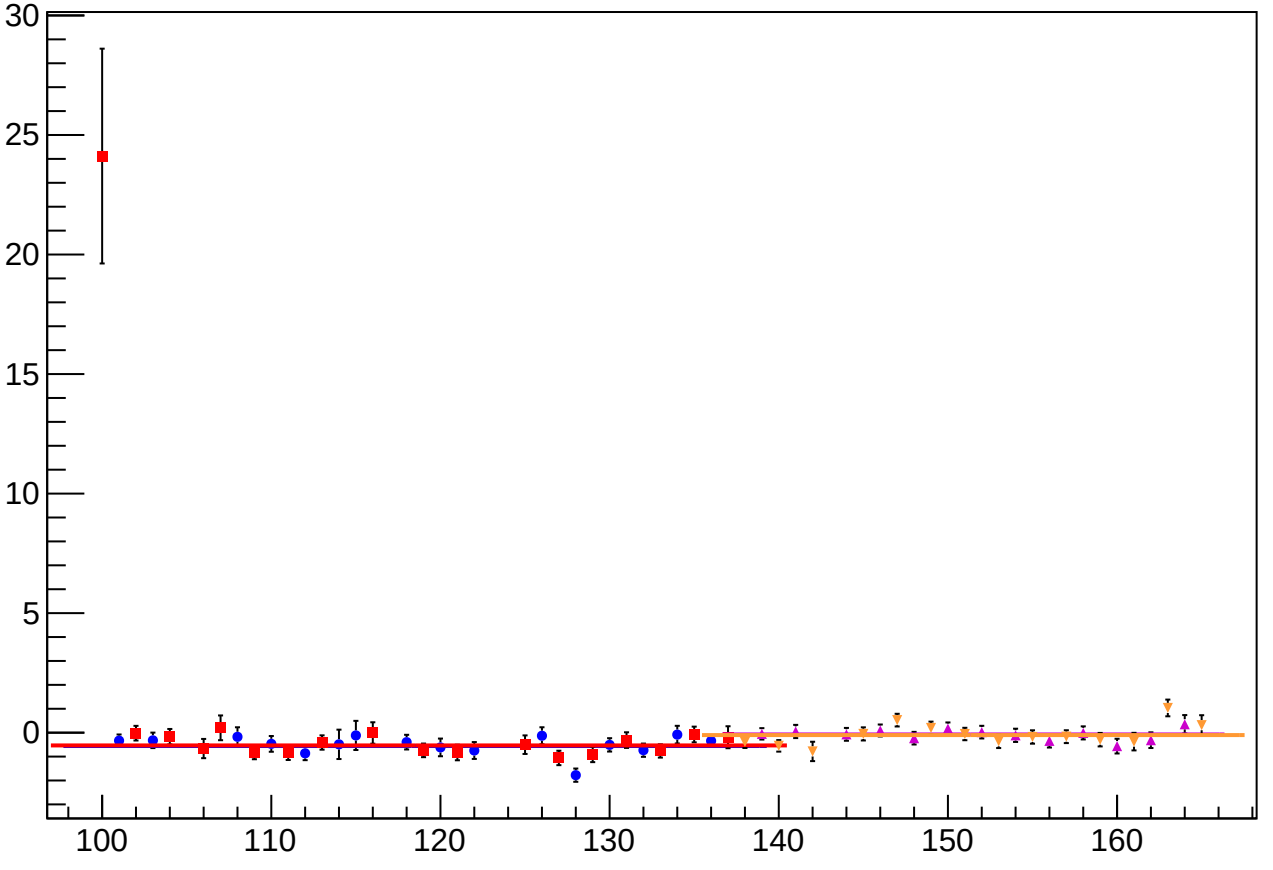
Left In: -0.134+/-0.055 χ^2/NDF:17.2/12

+ sign 0.006+/-0.043 χ^2/NDF: 48.0/29

All: -0.055+/-0.031 χ^2/NDF: 97.3/60

- sign -0.117+/-0.044 χ^2/NDF: 45.4/30

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.101+/-0.077 χ^2/NDF:28.0/13

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

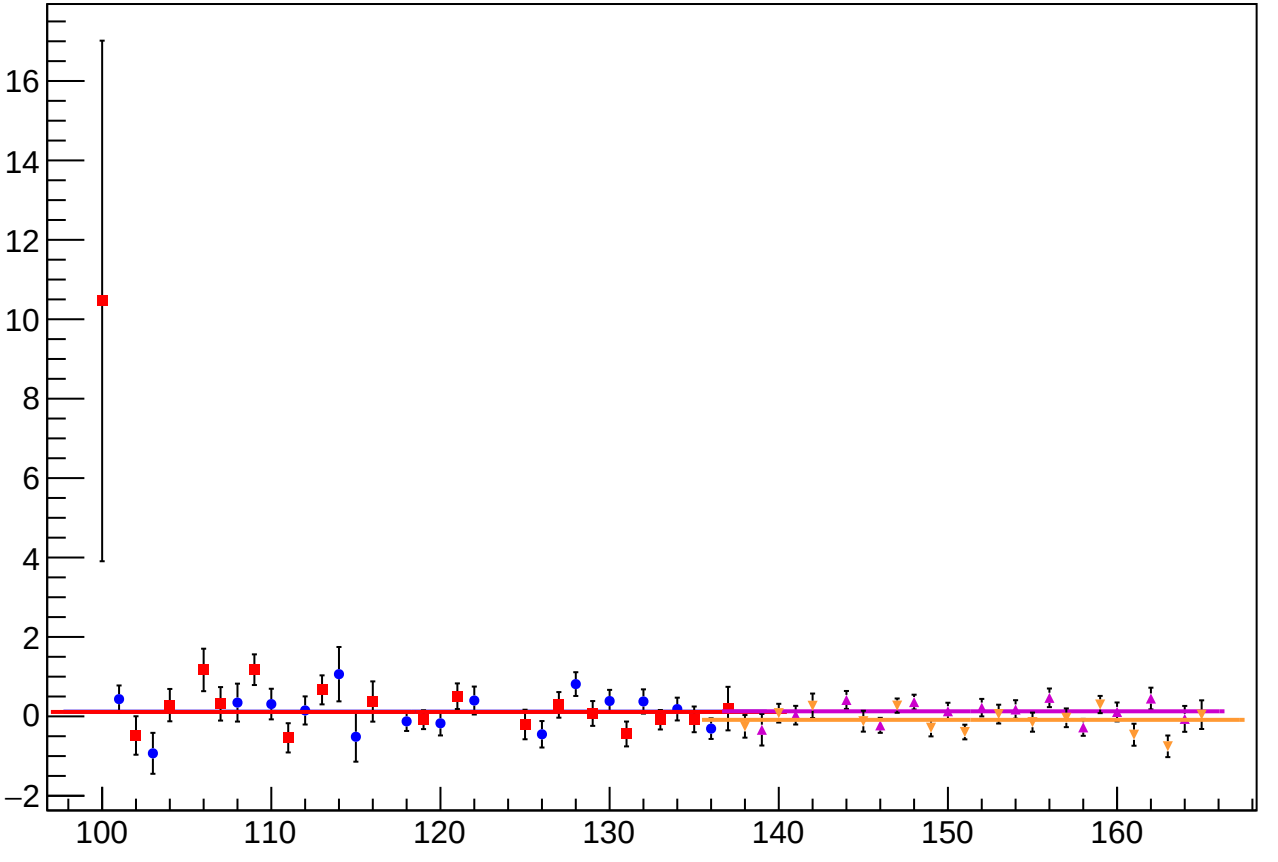
Left In: -0.074+/-0.077 χ^2/NDF:7.3/12

+ sign -0.322+/-0.055 χ^2/NDF: 73.4/29

All: -0.307+/-0.039 χ^2/NDF: 147.1/60

- sign -0.293+/-0.056 χ^2/NDF: 73.5/30

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.088+/-0.064 χ^2/NDF:21.3/13

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

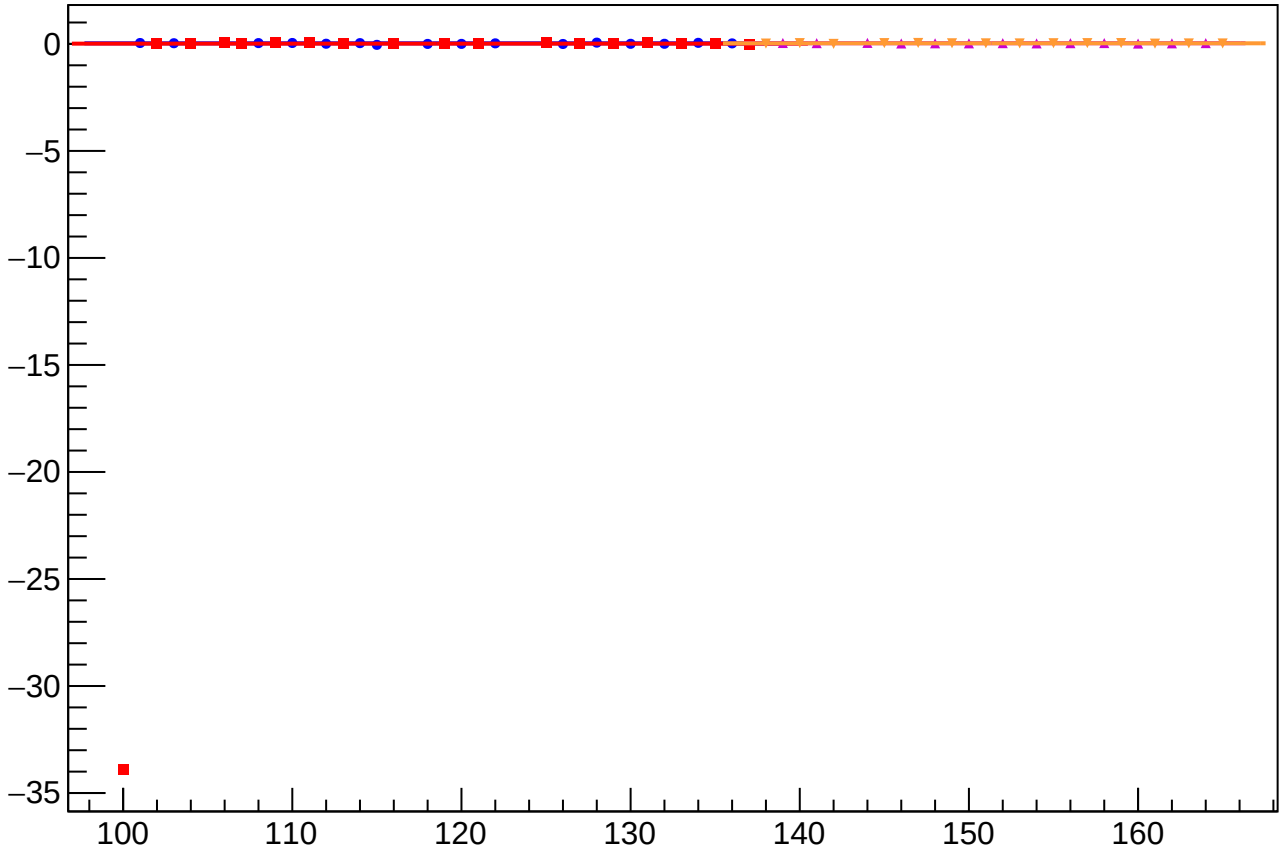
Left In: 0.128+/-0.064 χ^2/NDF:15.9/12

+ sign -0.012+/-0.051 χ^2/NDF: 48.8/29

All: 0.054+/-0.036 χ^2/NDF: 97.1/60

- sign 0.122+/-0.051 χ^2/NDF: 44.9/30

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:11.6/13

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

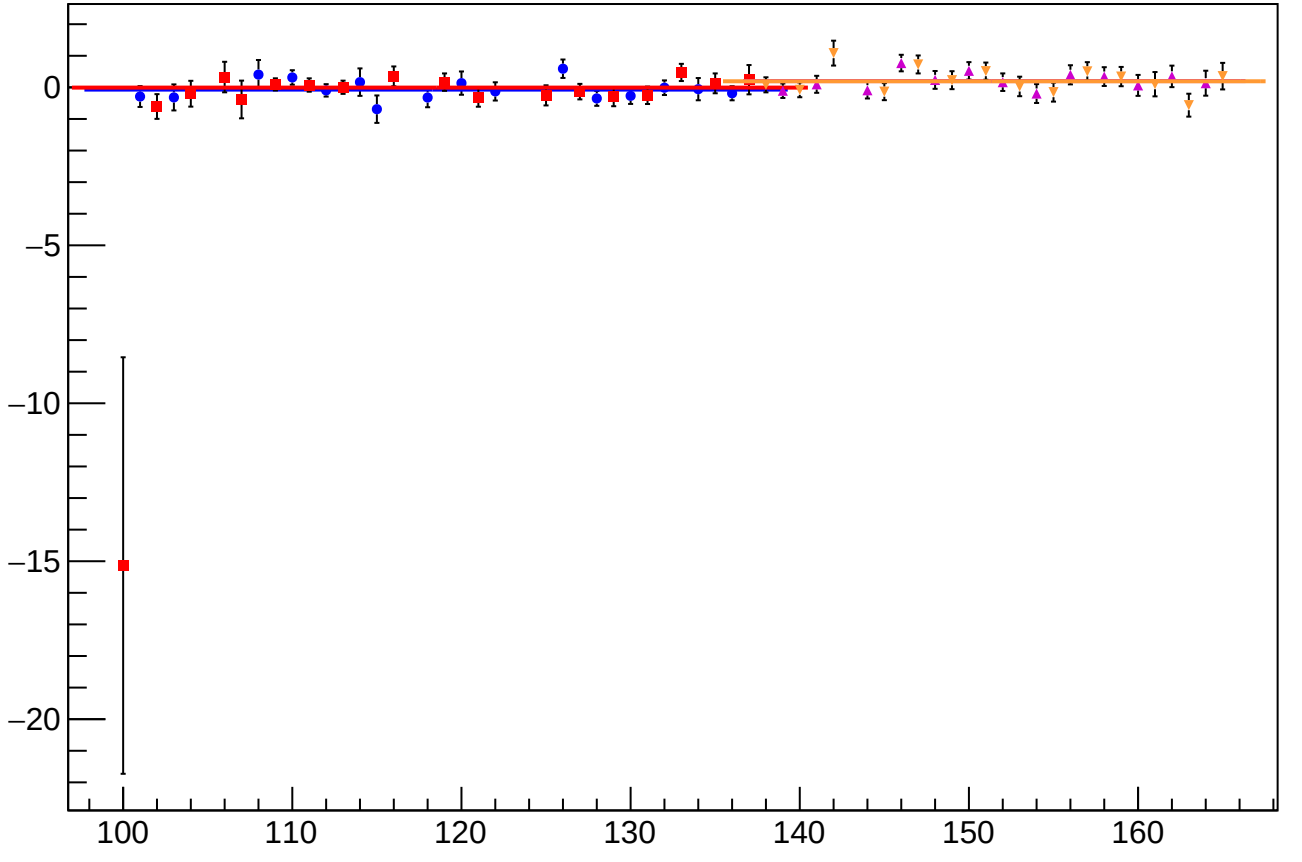
Left In: 0.032+/-0.003 χ^2/NDF:8.7/12

+ sign 0.028+/-0.002 χ^2/NDF: 26.3/29

All: 0.027+/-0.002 χ^2/NDF: 22309.8/60

- sign 0.027+/-0.002 χ^2/NDF: 22283.5/30

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.193+/-0.080 χ^2/NDF:20.6/13

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

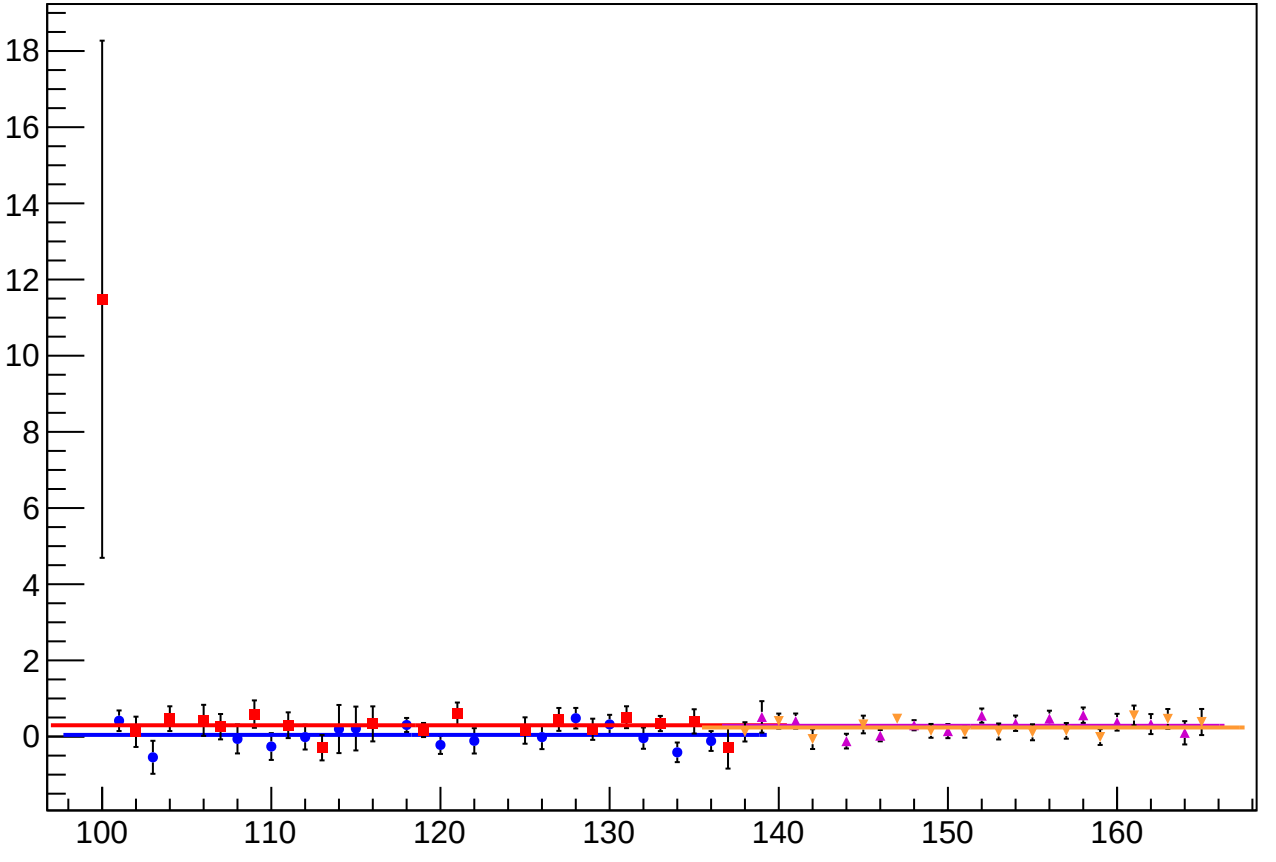
Left In: 0.200+/-0.079 χ^2/NDF:12.1/12

+ sign 0.047+/-0.053 χ^2/NDF: 42.2/29

All: 0.065+/-0.037 χ^2/NDF: 76.5/60

- sign 0.083+/-0.052 χ^2/NDF: 34.1/30

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.238+/-0.054 χ^2/NDF:11.2/13

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

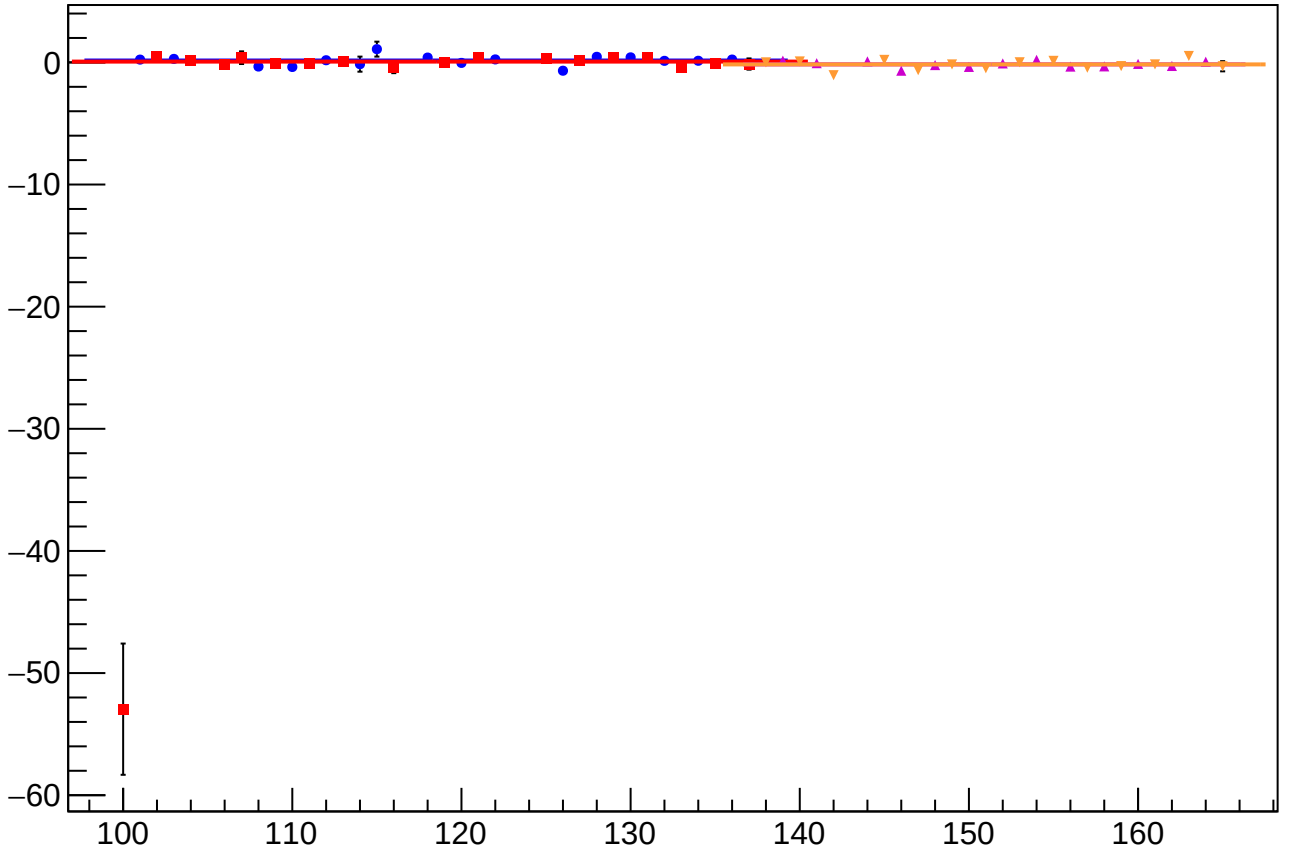
Left In: 0.282+/-0.055 χ^2/NDF:14.1/12

+ sign 0.169+/-0.043 χ^2/NDF: 31.5/29

All: 0.228+/-0.031 χ^2/NDF: 60.2/60

- sign 0.287+/-0.044 χ^2/NDF: 25.1/30

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.165+/-0.077 χ^2/NDF:19.5/13

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

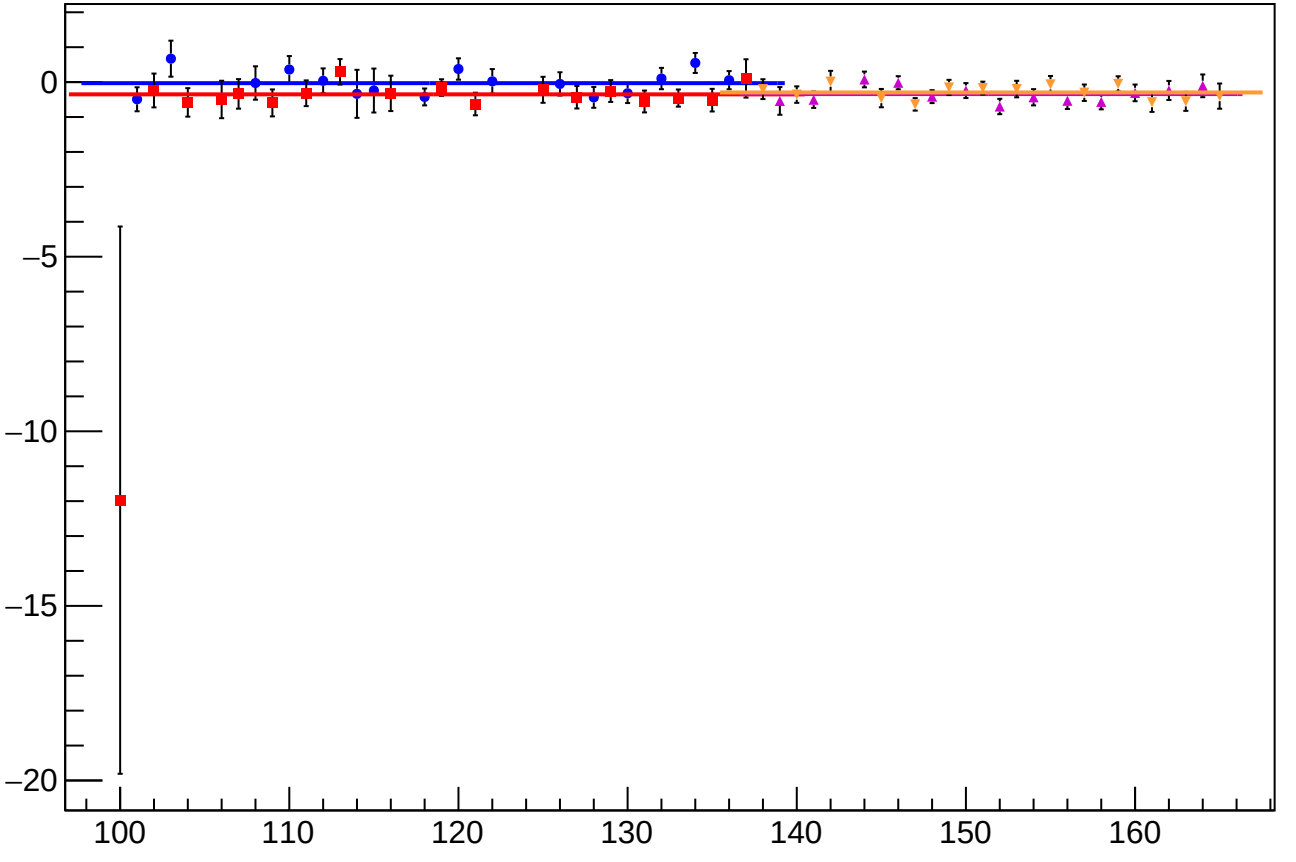
Left In: -0.162+/-0.077 χ^2/NDF:10.7/12

+ sign -0.011+/-0.055 χ^2/NDF: 43.3/29

All: -0.032+/-0.039 χ^2/NDF: 167.8/60

- sign -0.054+/-0.056 χ^2/NDF: 124.2/30

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.297+/-0.064 χ^2/NDF:10.4/13

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

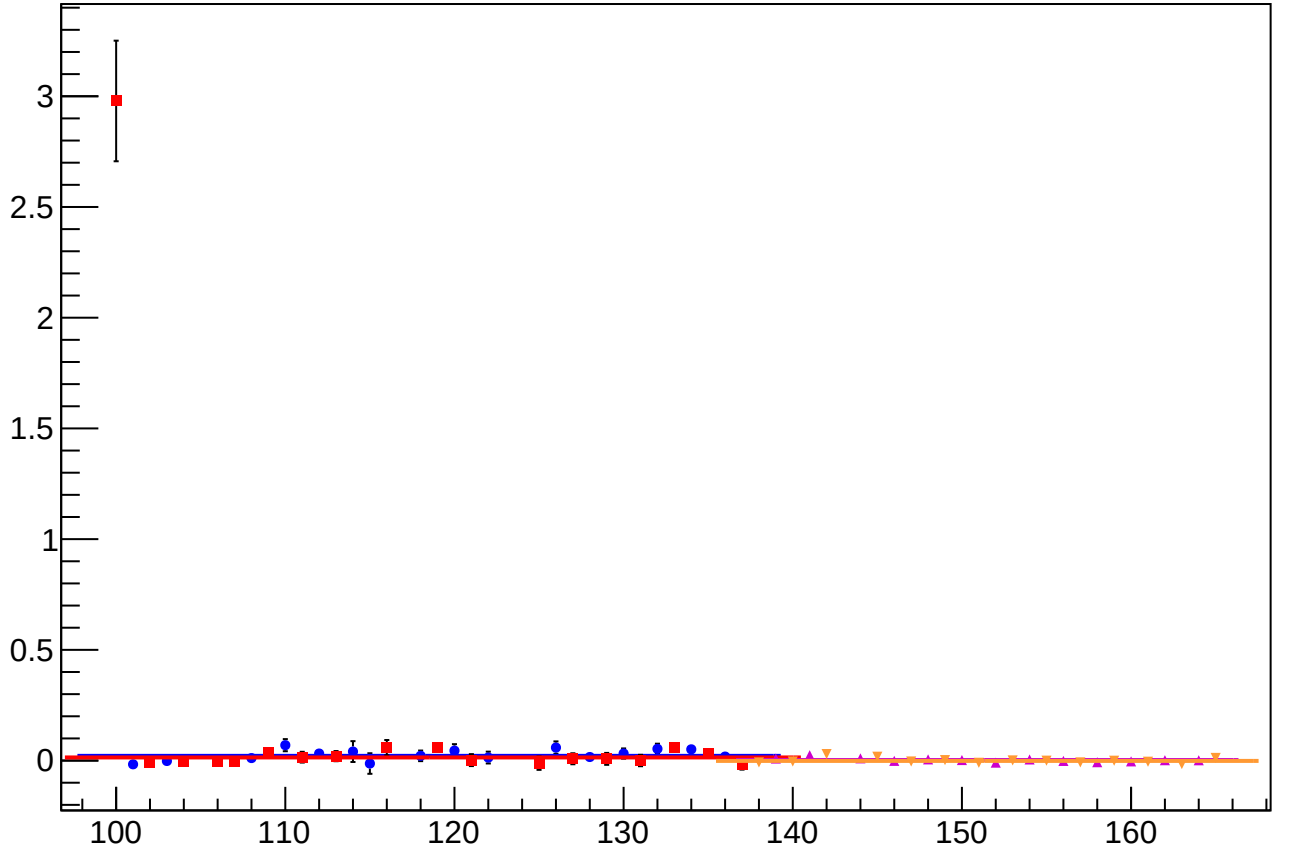
Left In: -0.343+/-0.064 χ^2/NDF:12.7/12

+ sign -0.199+/-0.051 χ^2/NDF: 33.6/29

All: -0.272+/-0.036 χ^2/NDF: 59.8/60

- sign -0.346+/-0.051 χ^2/NDF: 22.1/30

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:10.7/13

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

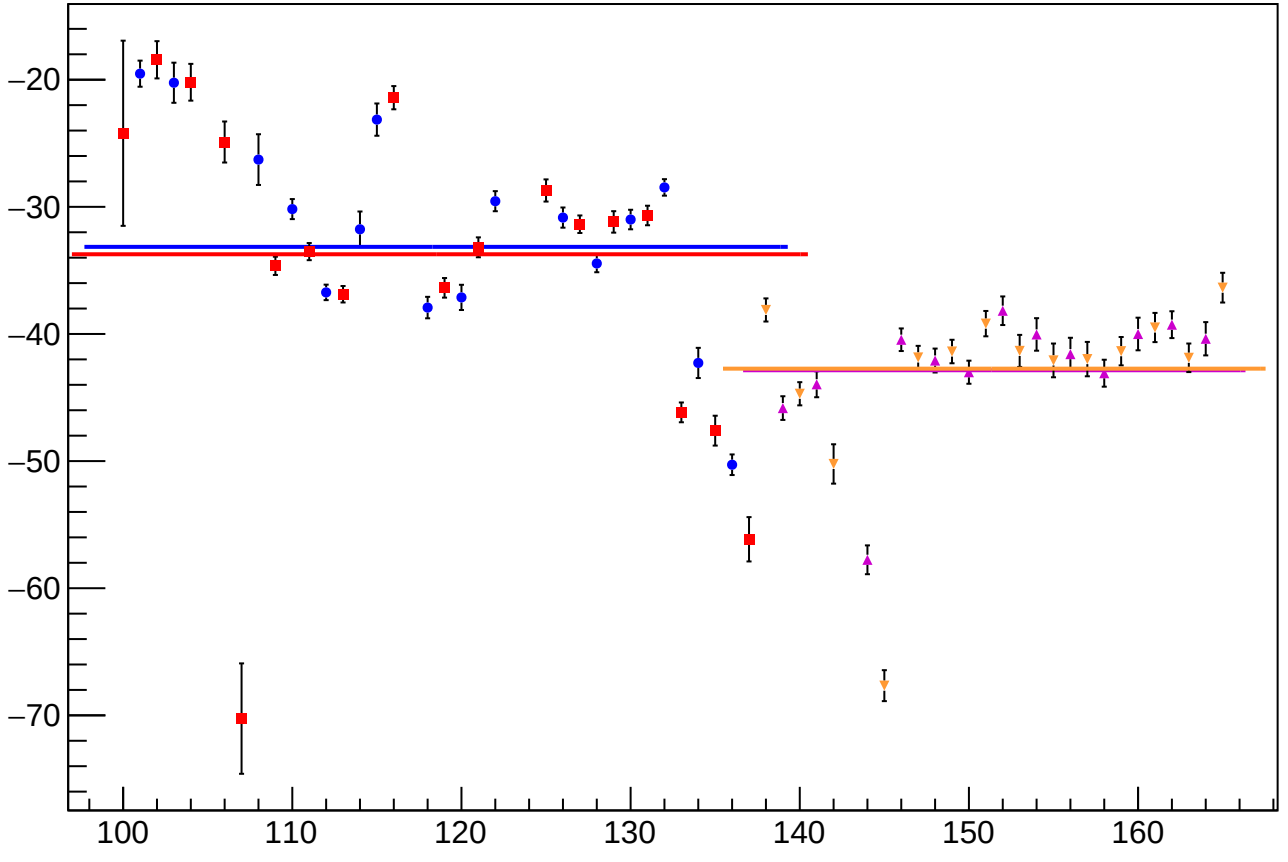
Left In: 0.002+/-0.003 χ^2/NDF:8.2/12

+ sign 0.005+/-0.002 χ^2/NDF: 49.5/29

All: 0.005+/-0.002 χ^2/NDF: 202.9/60

- sign 0.005+/-0.002 χ^2/NDF: 153.3/30

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -42.729+/-0.292 χ^2/NDF:530.5/13

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

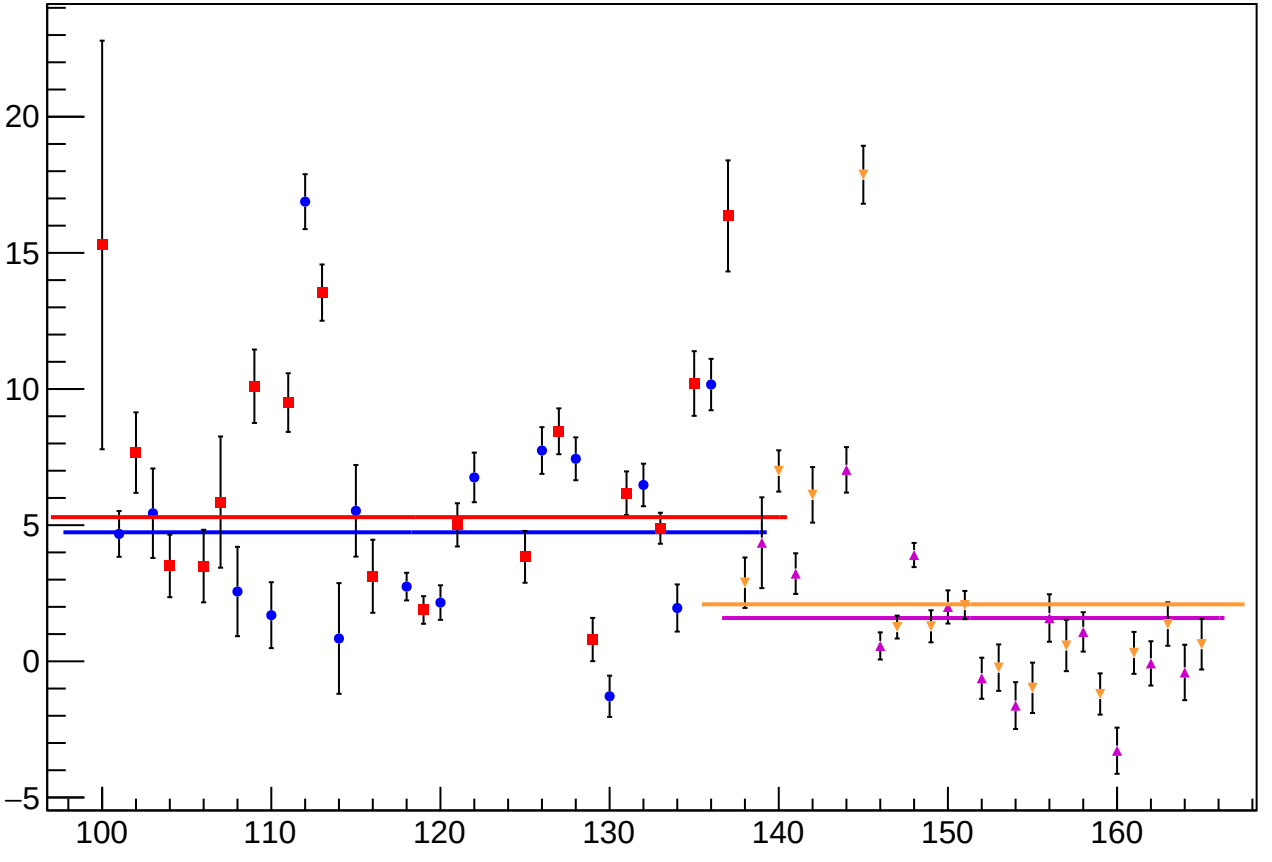
Left In: -42.854+/-0.295 χ^2/NDF:235.5/12

+ sign -36.573+/-0.175 χ^2/NDF: 2235.2/29

All: -36.733+/-0.123 χ^2/NDF: 4245.6/60

- sign -36.891+/-0.174 χ^2/NDF: 2008.7/30

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.093+/-0.193 χ^2/NDF:332.3/13

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

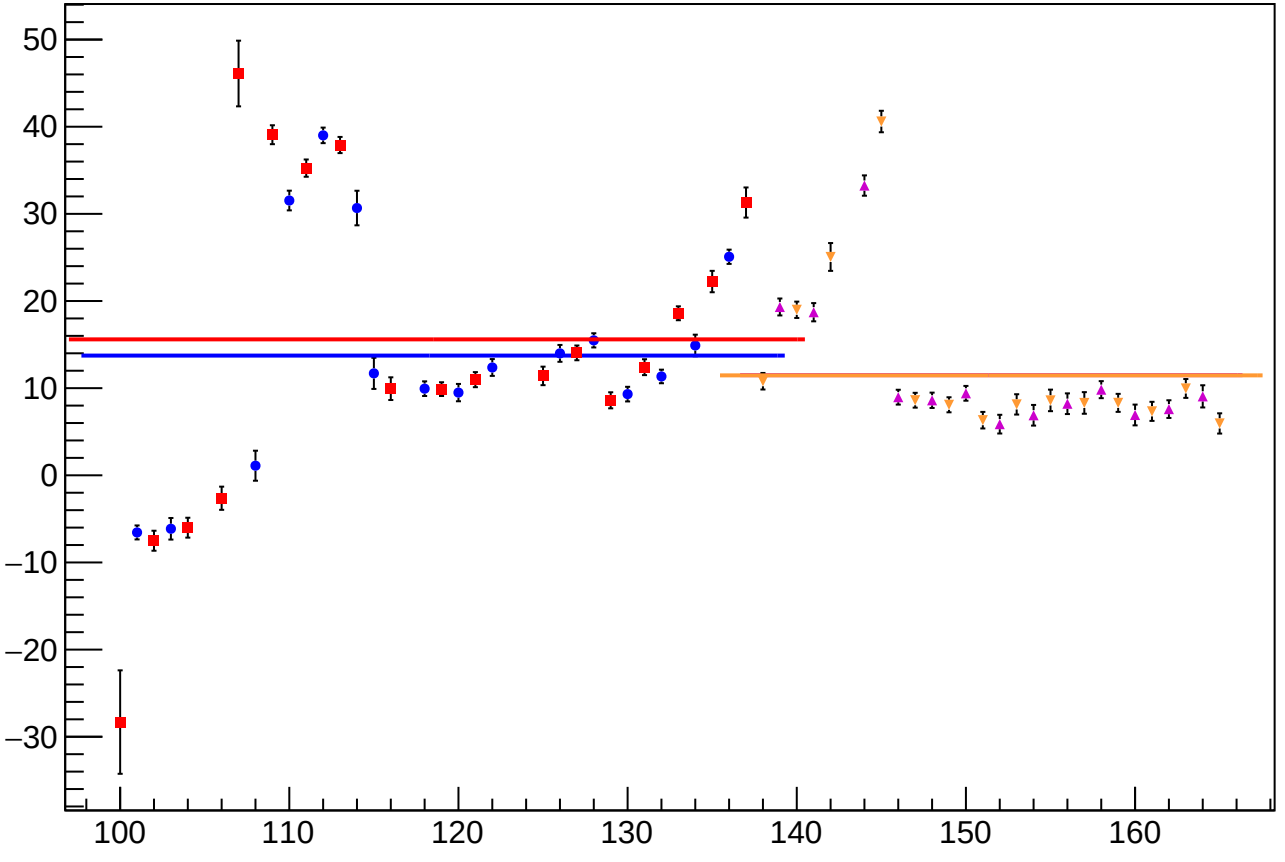
Left In: 1.590+/-0.198 χ^2/NDF:146.0/12

+ sign 3.248+/-0.145 χ^2/NDF: 743.9/29

All: 3.233+/-0.104 χ^2/NDF: 1289.2/60

- sign 3.218+/-0.148 χ^2/NDF: 545.3/30

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 11.468+/-0.282 χ^2/NDF:820.0/13

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

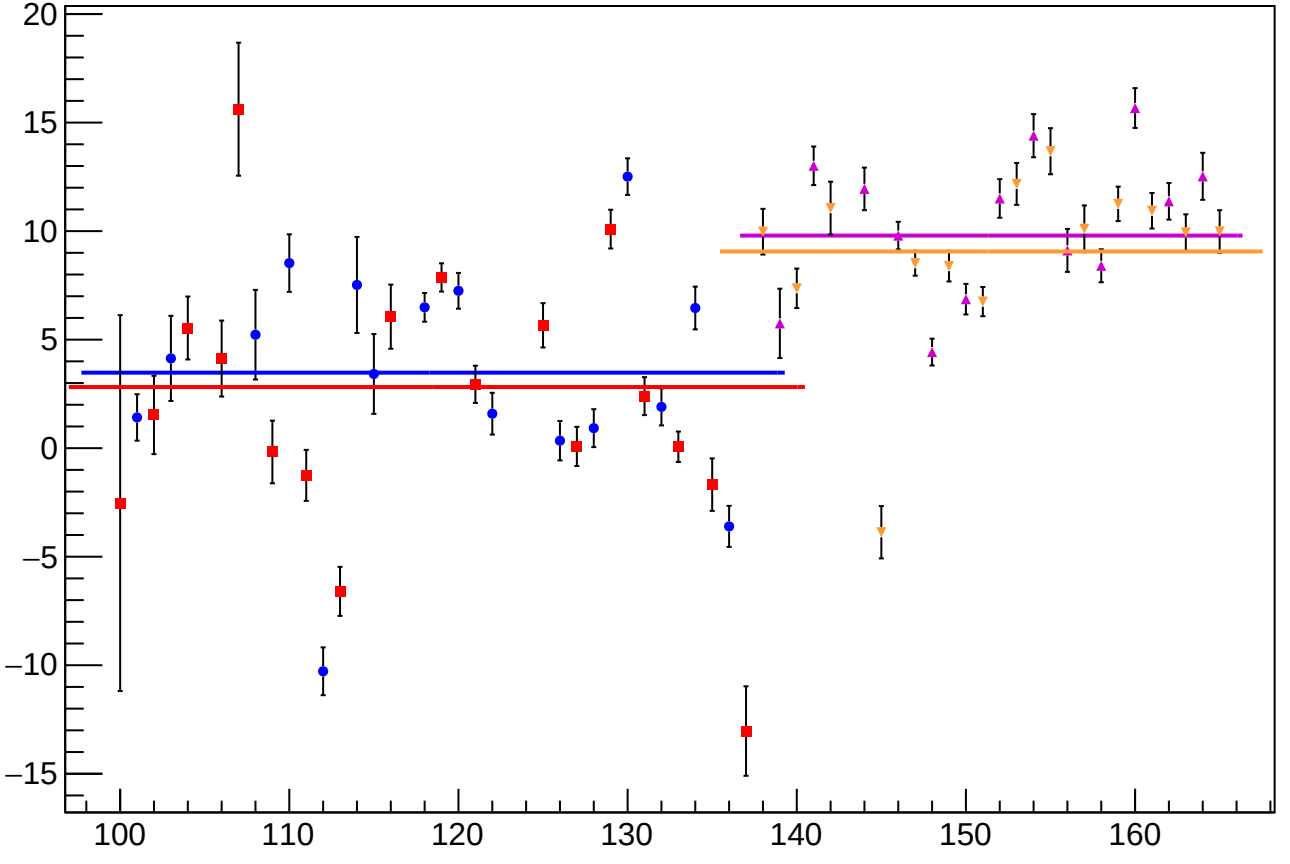
Left In: 11.495+/-0.284 χ^2/NDF:571.7/12

+ sign 12.755+/-0.186 χ^2/NDF: 3206.5/29

All: 13.276+/-0.132 χ^2/NDF: 6738.0/60

- sign 13.807+/-0.188 χ^2/NDF: 3515.6/30

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.062+/-0.229 χ^2/NDF:180.6/13

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

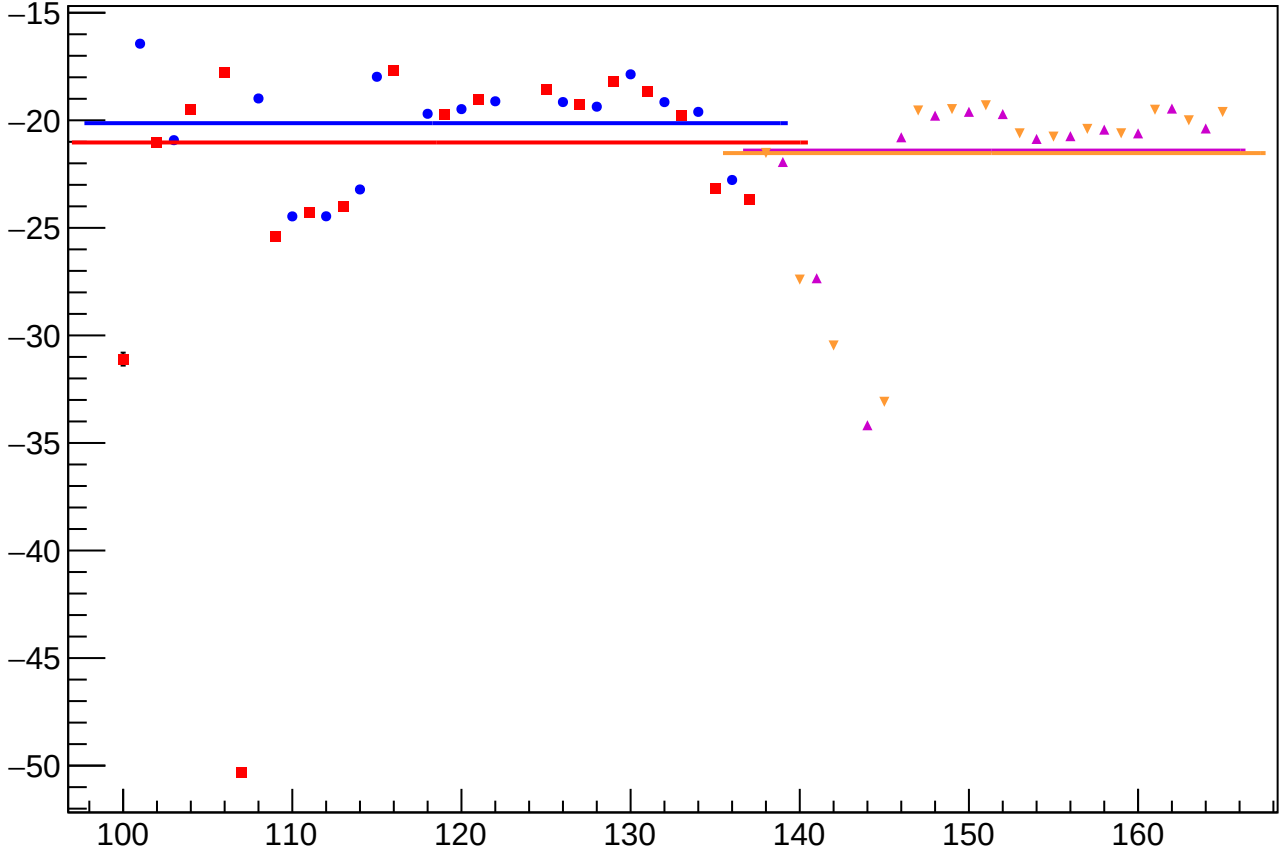
Left In: 9.794+/-0.234 χ^2/NDF:197.1/12

+ sign 6.555+/-0.170 χ^2/NDF: 875.1/29

All: 6.596+/-0.121 χ^2/NDF: 1820.4/60

- sign 6.638+/-0.173 χ^2/NDF: 945.2/30

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -21.524+/-0.011 χ^2/NDF:113020.6/13

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

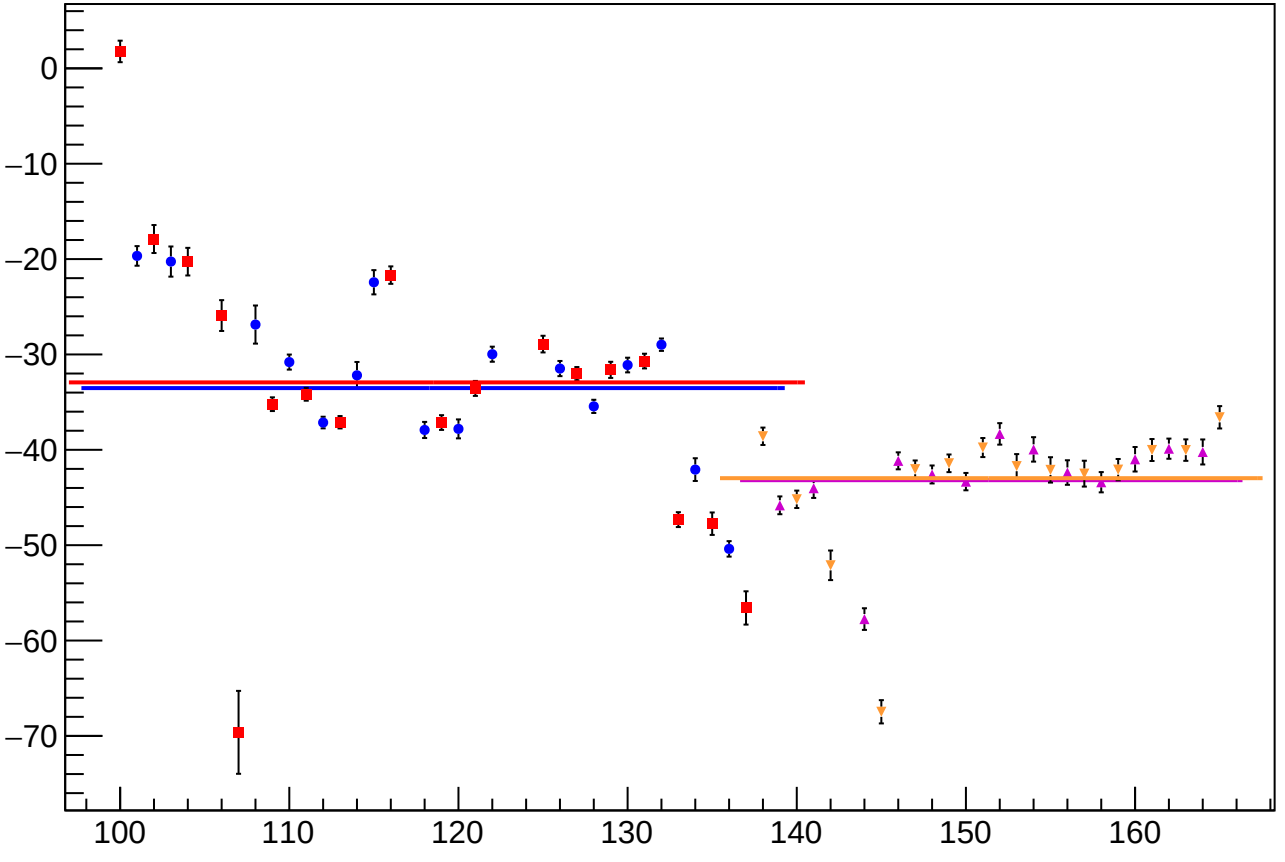
Left In: -21.408+/-0.011 χ^2/NDF:90596.7/12

+ sign -21.089+/-0.009 χ^2/NDF: 138037.0/29

All: -21.192+/-0.006 χ^2/NDF: 286789.6/60

- sign -21.295+/-0.009 χ^2/NDF: 148489.2/30

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -42.974+/-0.293 χ^2/NDF:526.4/13

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

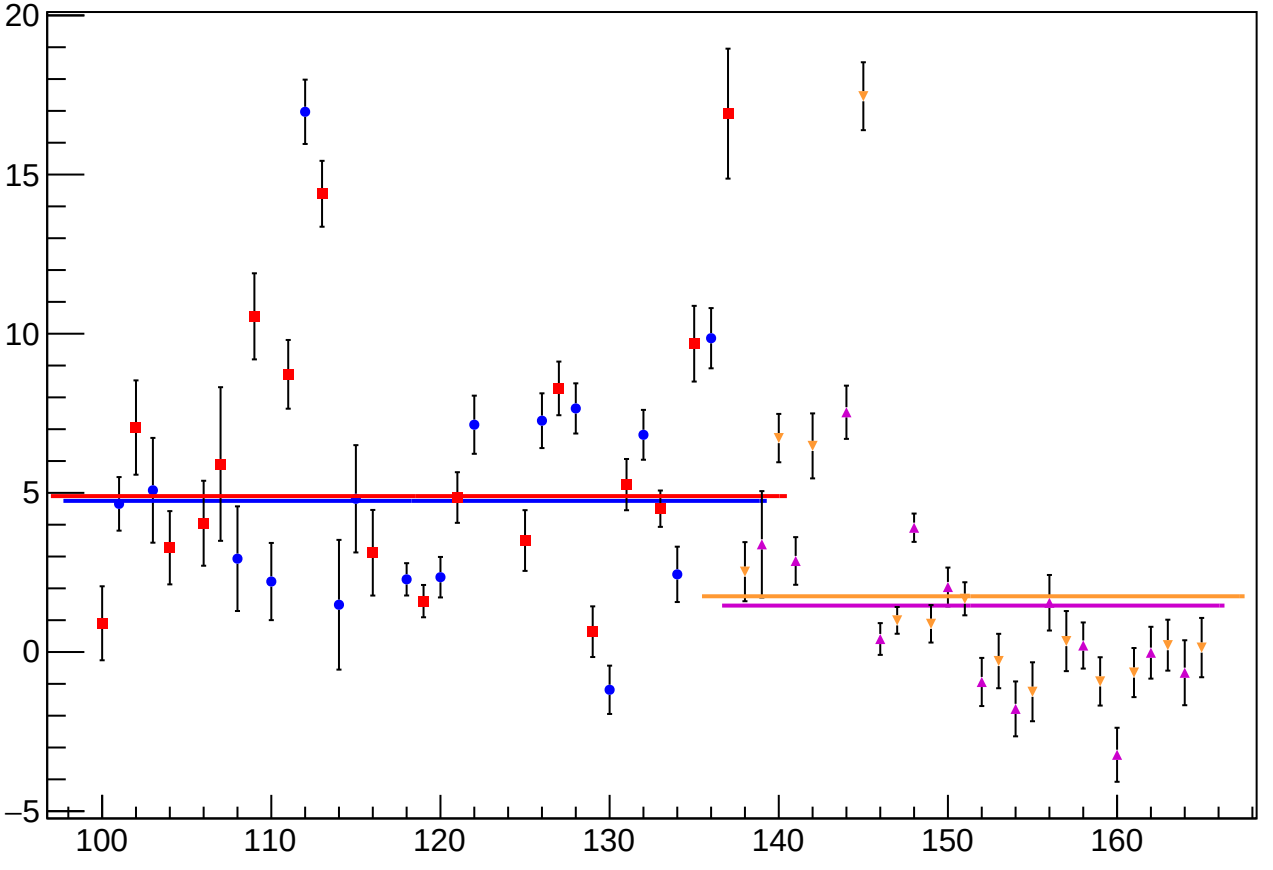
Left In: -43.183+/-0.296 χ^2/NDF:221.9/12

\+ sign -36.906+/-0.175 χ^2/NDF: 2203.8/29

All: -36.651+/-0.123 χ^2/NDF: 5395.2/60

\- sign -36.404+/-0.172 χ^2/NDF: 3187.2/30

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.751+/-0.193 χ^2/NDF:334.4/13

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

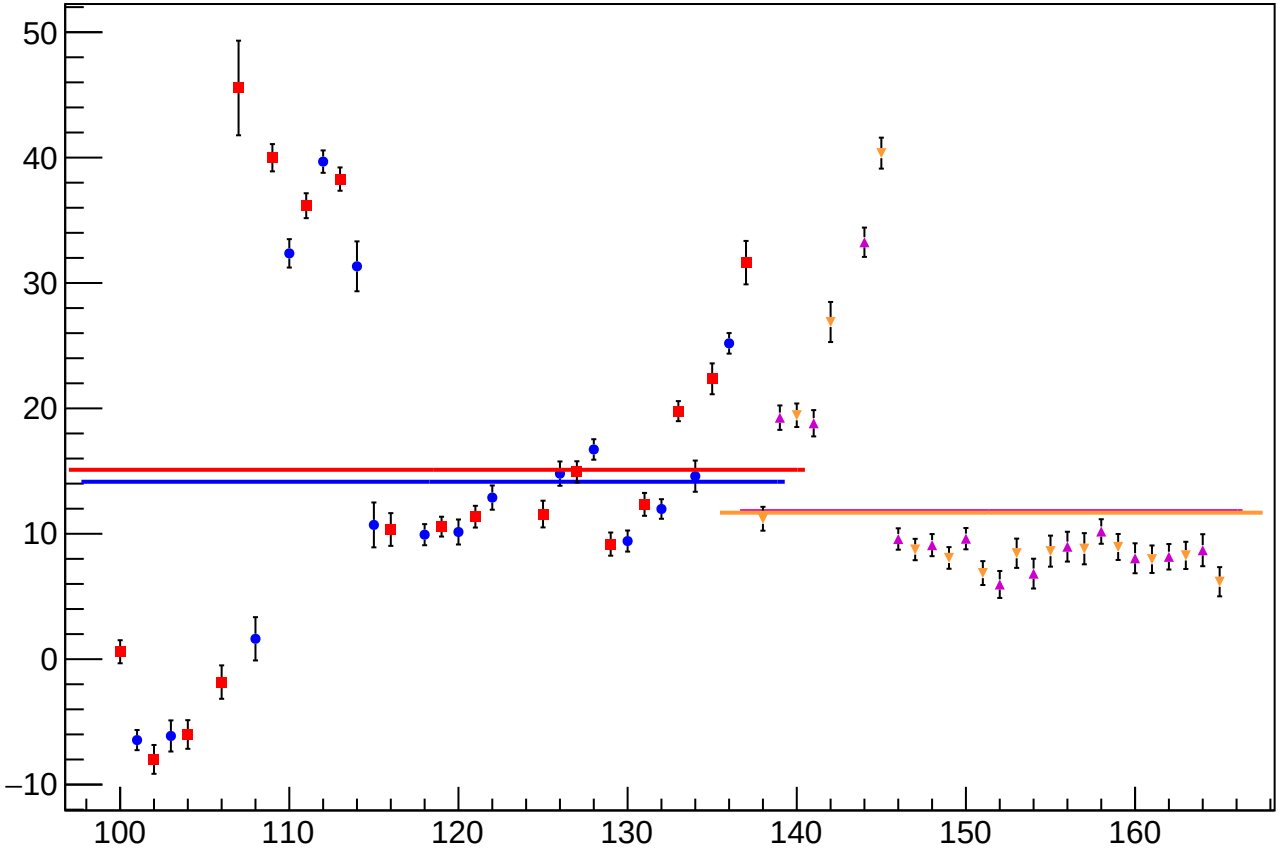
Left In: 1.459+/-0.198 χ^2/NDF:158.5/12

+ sign 3.059+/-0.145 χ^2/NDF: 765.0/29

All: 3.029+/-0.103 χ^2/NDF: 1331.7/60

- sign 2.999+/-0.147 χ^2/NDF: 566.6/30

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 11.684+/-0.283 χ^2/NDF:823.0/13

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

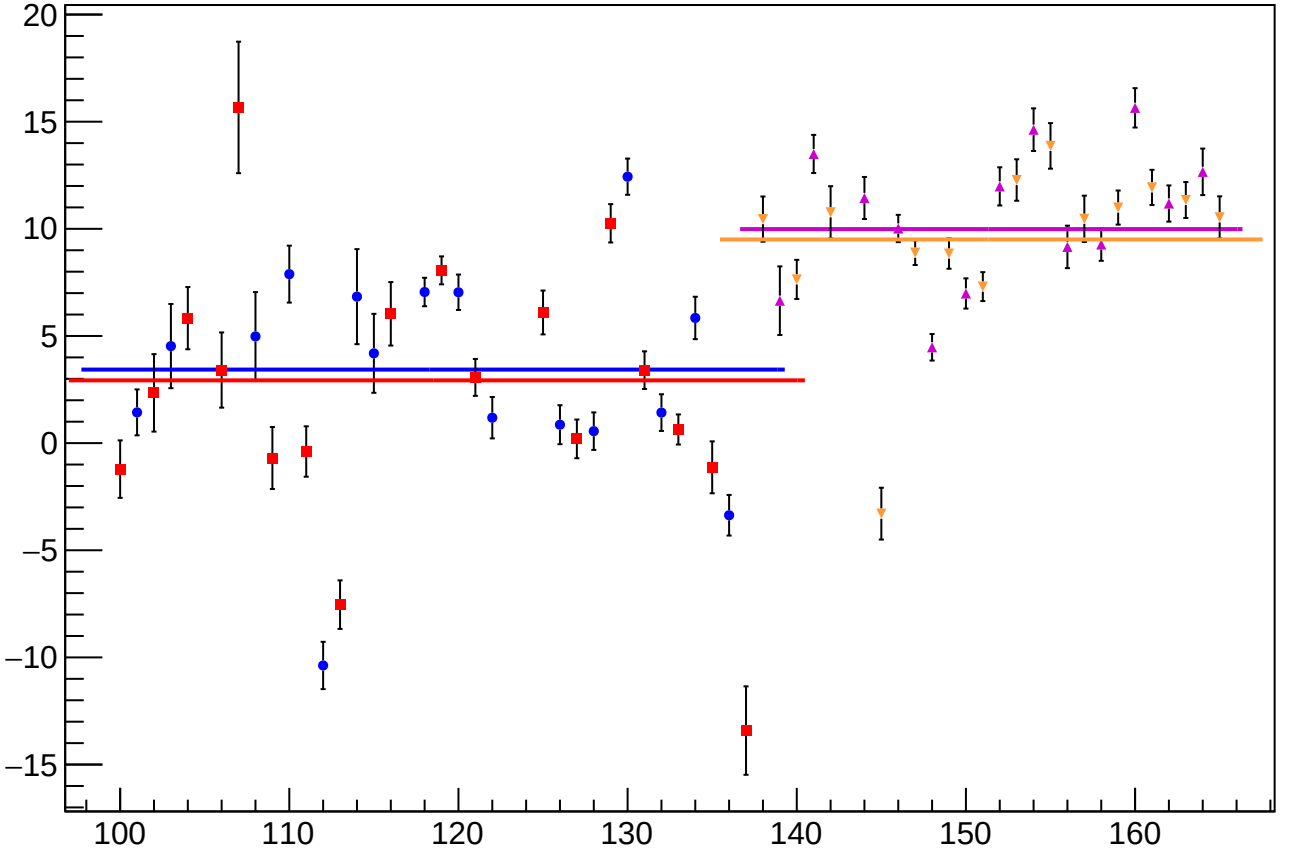
Left In: 11.805+/-0.285 χ^2/NDF:547.0/12

+ sign 13.082+/-0.186 χ^2/NDF: 3268.4/29

All: 13.404+/-0.131 χ^2/NDF: 7001.6/60

- sign 13.719+/-0.184 χ^2/NDF: 3727.3/30

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.505+/-0.229 χ^2/NDF:174.7/13

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

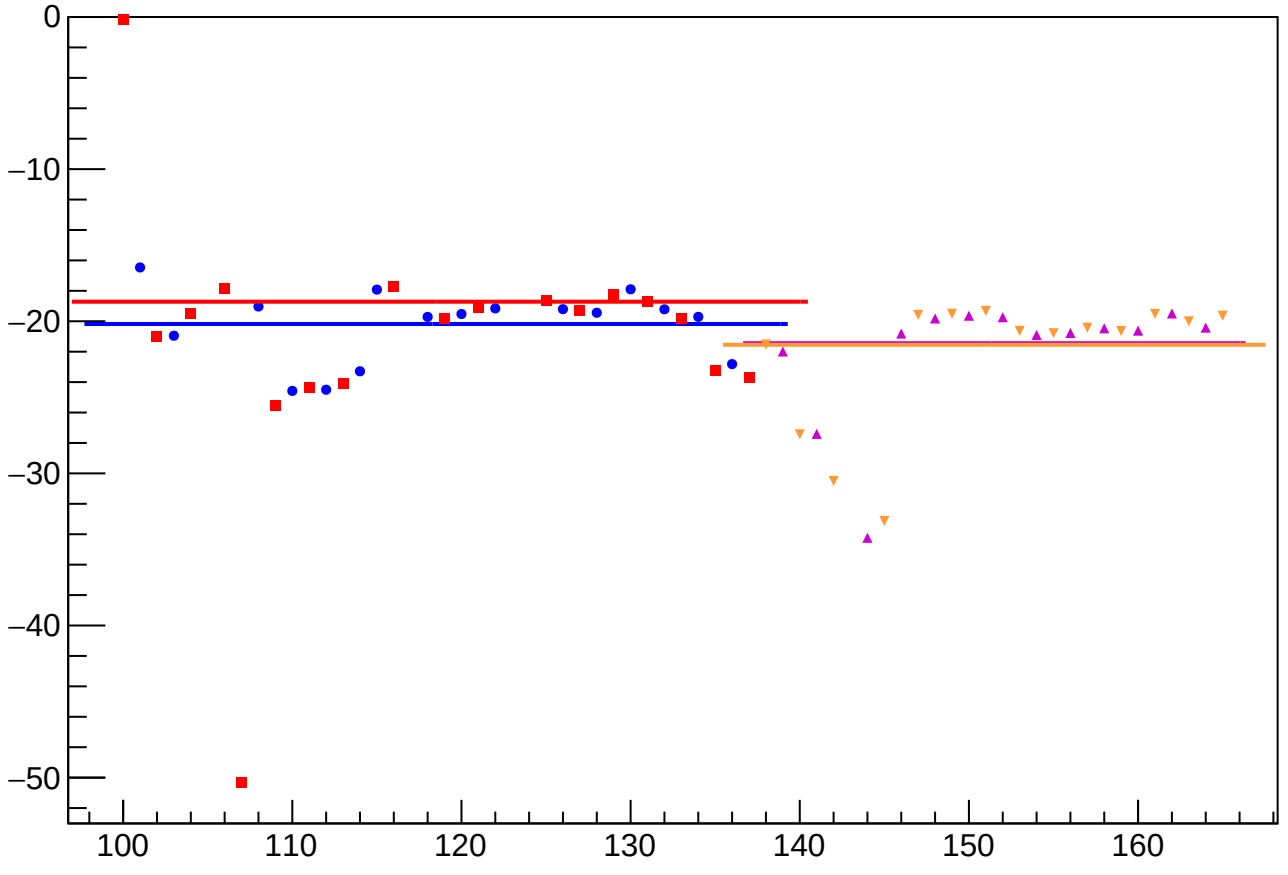
Left In: 9.988+/-0.234 χ^2/NDF:194.0/12

+ sign 6.778+/-0.170 χ^2/NDF: 913.2/29

All: 6.756+/-0.121 χ^2/NDF: 1893.6/60

- sign 6.734+/-0.172 χ^2/NDF: 980.4/30

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.548+/-0.011 χ^2/NDF:112851.8/13

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

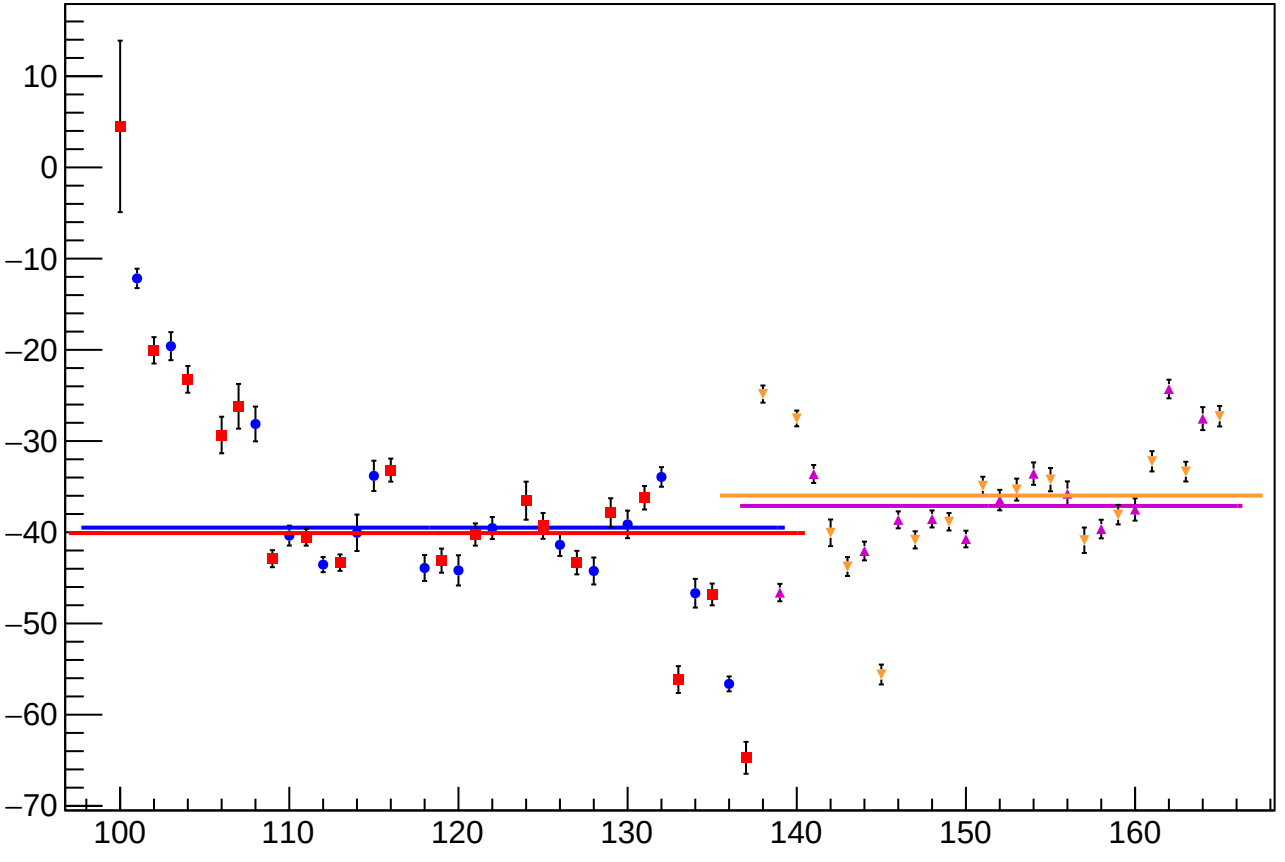
Left In: -21.441+/-0.011 χ^2/NDF:90766.2/12

+ sign -21.121+/-0.009 χ^2/NDF: 137702.6/29

All: -20.836+/-0.006 χ^2/NDF: 485888.8/60

- sign -20.559+/-0.009 χ^2/NDF: 346199.9/30

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -35.977+/-0.276 χ^2/NDF:757.0/14

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

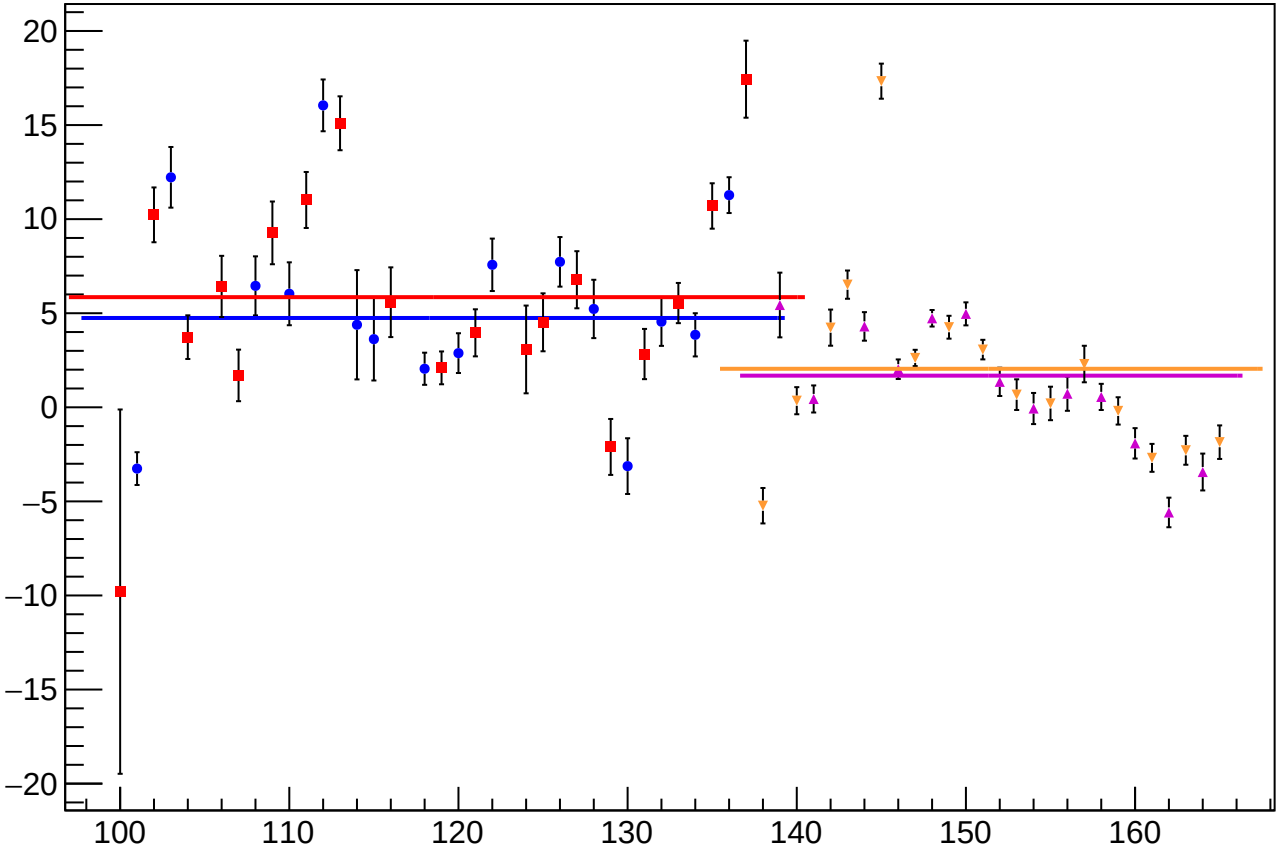
Left In: -37.114+/-0.291 χ^2/NDF:386.9/12

+ sign -37.530+/-0.206 χ^2/NDF: 2245.5/30

All: -38.015+/-0.148 χ^2/NDF: 3528.1/62

- sign -38.521+/-0.211 χ^2/NDF: 1271.3/31

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 2.047+/-0.185 χ^2/NDF:501.9/14

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

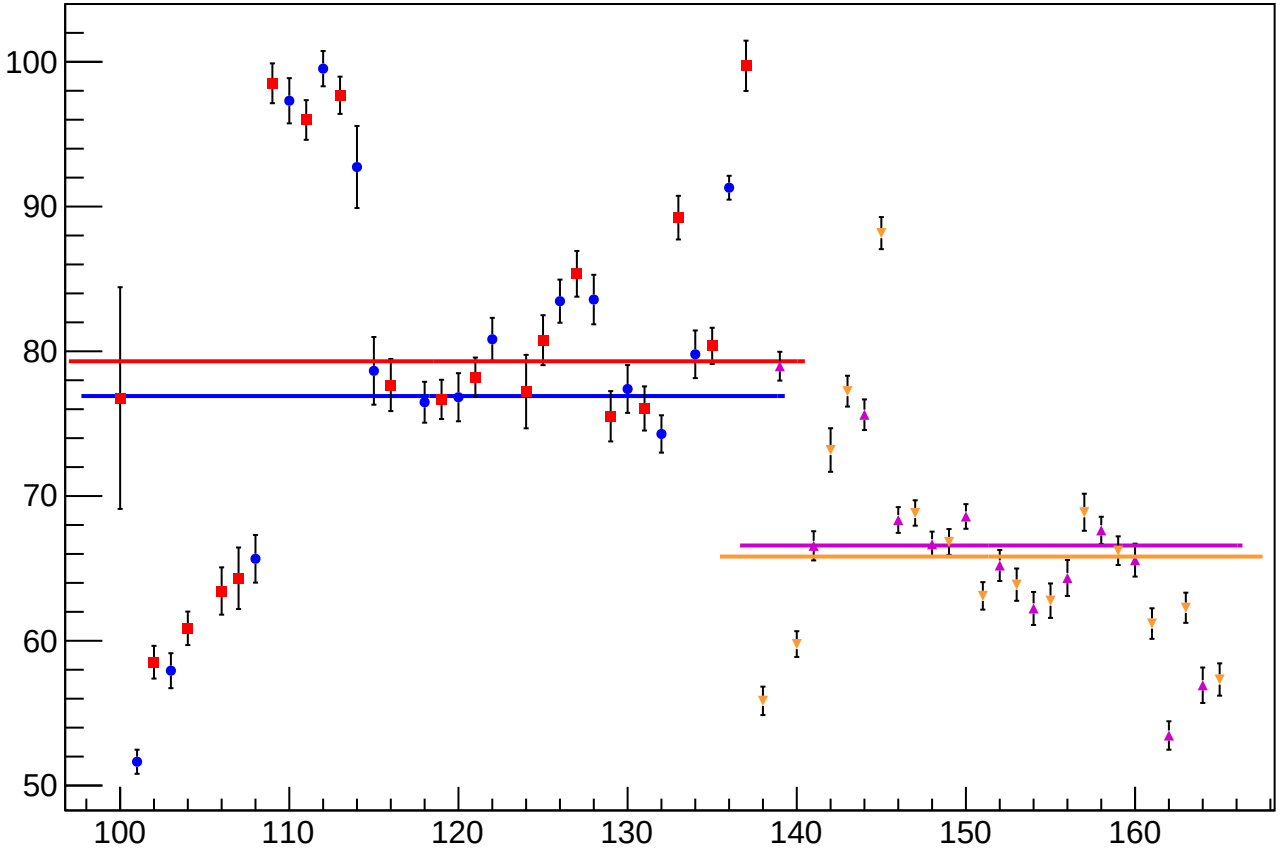
Left In: 1.682+/-0.195 χ^2/NDF:238.1/12

+ sign 2.735+/-0.159 χ^2/NDF: 830.1/30

All: 2.763+/-0.115 χ^2/NDF: 1377.6/62

- sign 2.794+/-0.167 χ^2/NDF: 547.4/31

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 65.819+/-0.269 χ^2/NDF:820.5/14

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

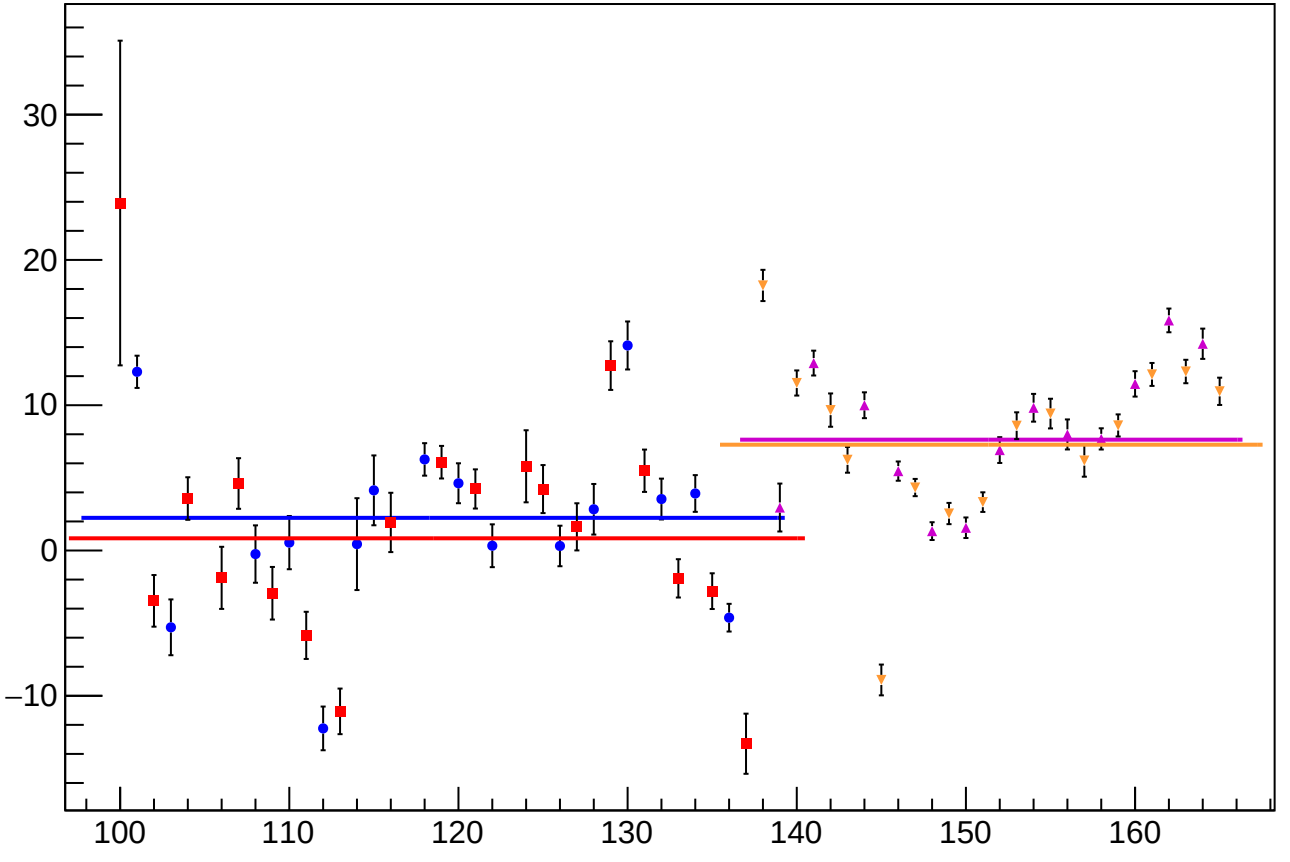
Left In: 66.583+/-0.280 χ^2/NDF:499.4/12

+ sign 70.128+/-0.210 χ^2/NDF: 3599.2/30

All: 70.832+/-0.151 χ^2/NDF: 6430.4/62

- sign 71.591+/-0.218 χ^2/NDF: 2807.8/31

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.282+/-0.218 χ^2/NDF:570.4/14

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

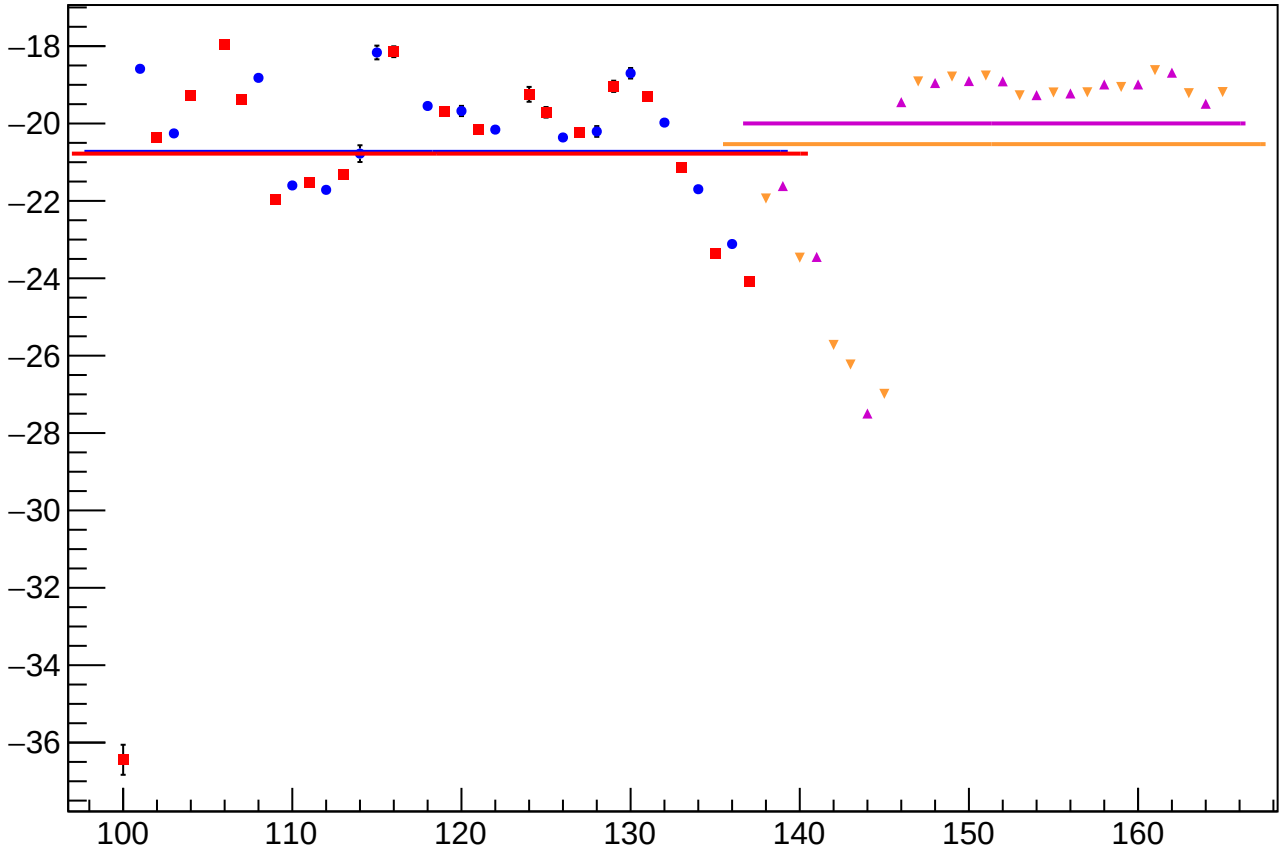
Left In: 7.628+/-0.230 χ^2/NDF:409.7/12

+ sign 5.945+/-0.187 χ^2/NDF: 1031.2/30

All: 5.851+/-0.135 χ^2/NDF: 1938.3/62

- sign 5.748+/-0.196 χ^2/NDF: 906.6/31

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.533+/-0.010 χ^2/NDF:68206.4/14

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

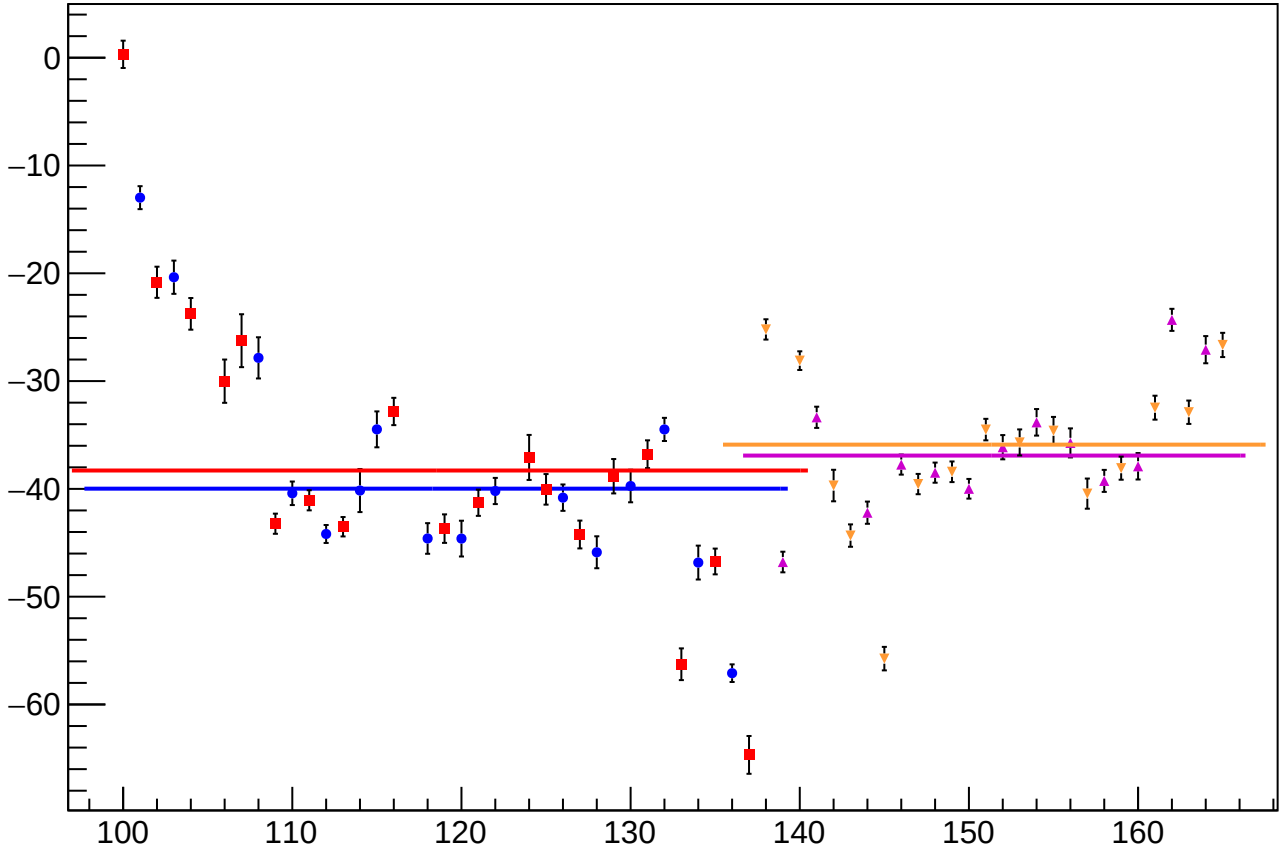
Left In: -19.998+/-0.011 χ^2/NDF:40684.4/12

+ sign -20.577+/-0.009 χ^2/NDF: 75922.8/30

All: -20.378+/-0.007 χ^2/NDF: 128186.4/62

- sign -20.167+/-0.009 χ^2/NDF: 51281.6/31

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -35.895+/-0.277 χ^2/NDF:738.4/14

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

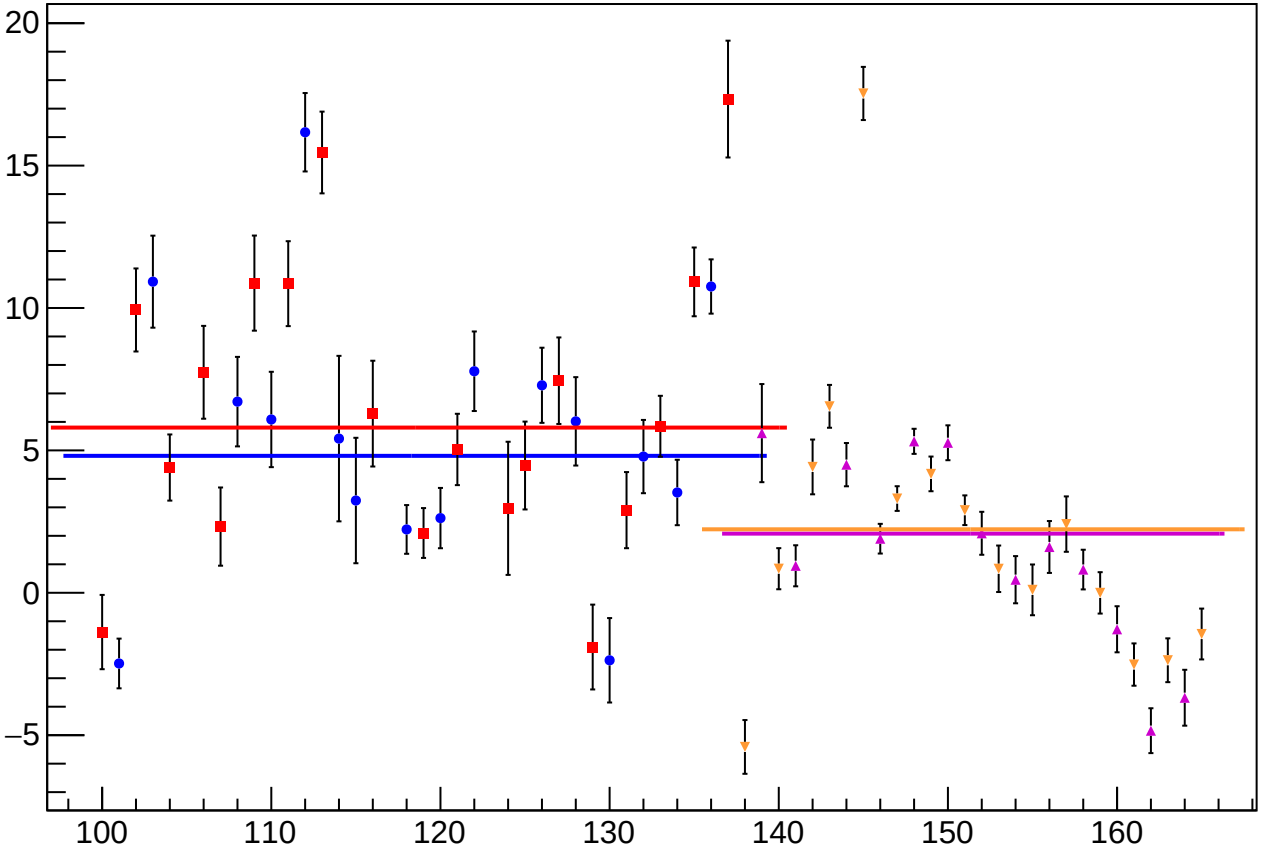
Left In: -36.910+/-0.291 χ^2/NDF:386.7/12

+ sign -37.700+/-0.207 χ^2/NDF: 2233.0/30

All: -37.643+/-0.147 χ^2/NDF: 4404.6/62

- sign -37.584+/-0.209 χ^2/NDF: 2171.5/31

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 2.229+/-0.185 χ^2/NDF:505.8/14

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

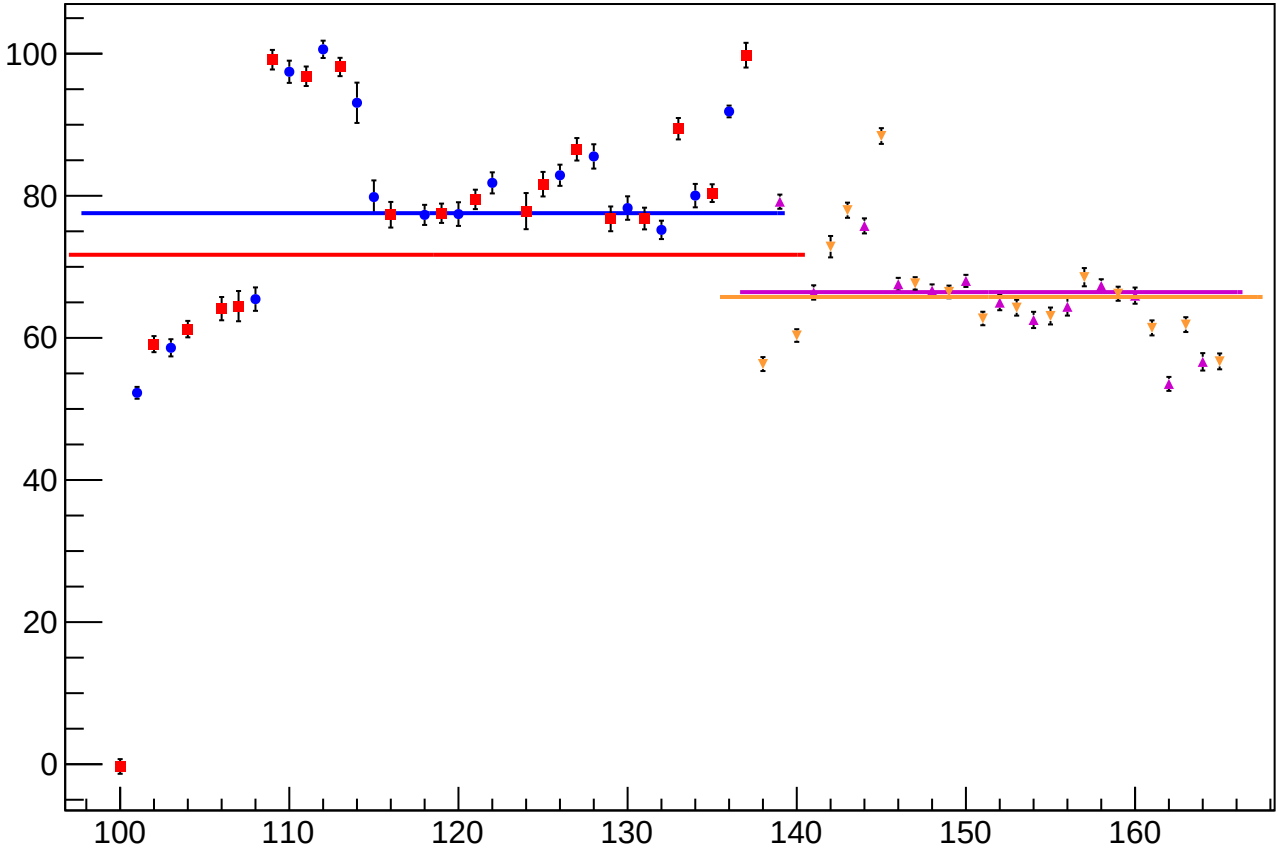
Left In: 2.077+/-0.196 χ^2/NDF:234.5/12

+ sign 2.886+/-0.160 χ^2/NDF: 795.8/30

All: 2.995+/-0.115 χ^2/NDF: 1348.6/62

- sign 3.113+/-0.166 χ^2/NDF: 551.8/31

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 65.756+/-0.269 χ^2/NDF:822.9/14

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

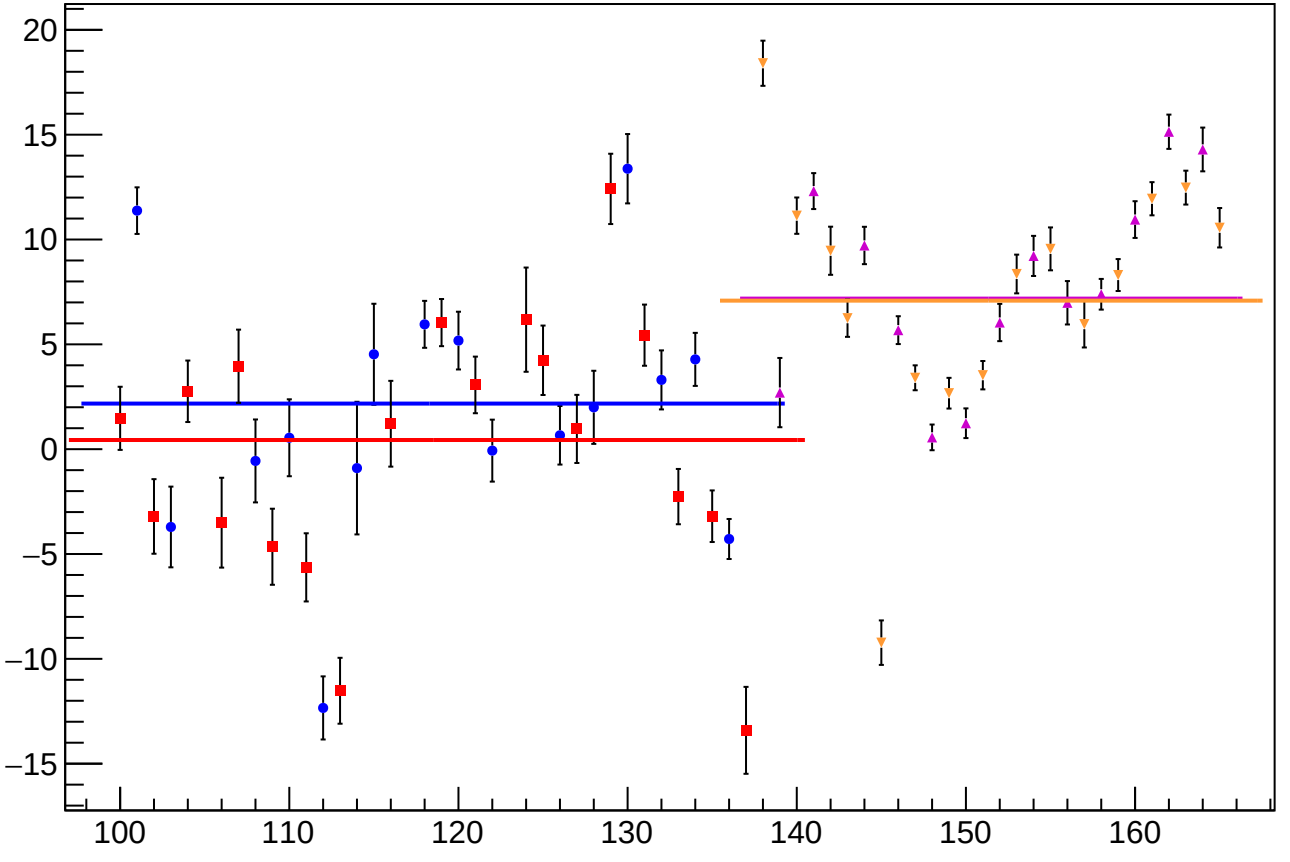
Left In: 66.443+/-0.281 χ^2/NDF:499.0/12

+ sign 70.341+/-0.210 χ^2/NDF: 3688.7/30

All: 69.508+/-0.150 χ^2/NDF: 11270.0/62

- sign 68.646+/-0.214 χ^2/NDF: 7549.4/31

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 7.085+/-0.219 χ^2/NDF:583.6/14

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

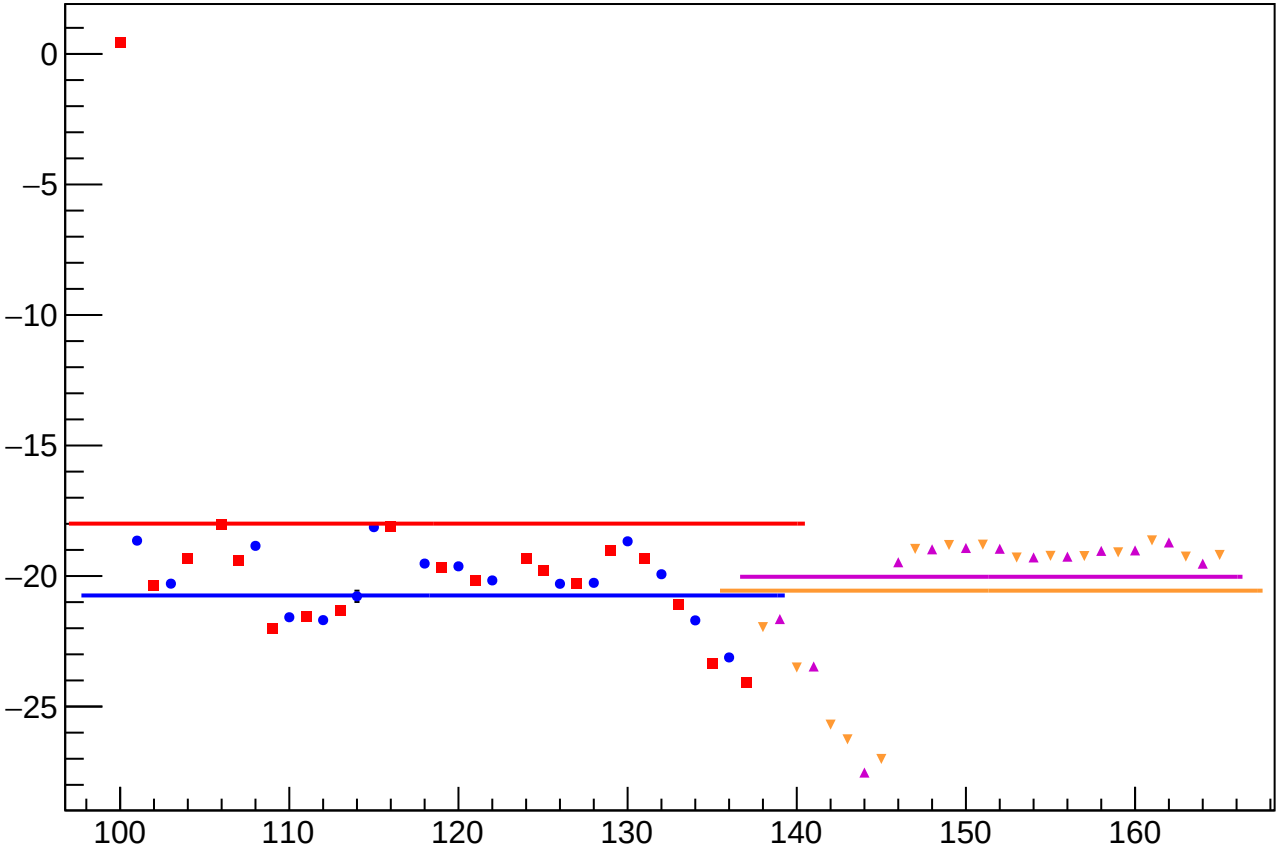
Left In: 7.181+/-0.231 χ^2/NDF:409.5/12

+ sign 5.780+/-0.187 χ^2/NDF: 1007.8/30

All: 5.517+/-0.135 χ^2/NDF: 1922.4/62

- sign 5.233+/-0.195 χ^2/NDF: 910.6/31

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.560+/-0.010 χ^2/NDF:67766.3/14

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

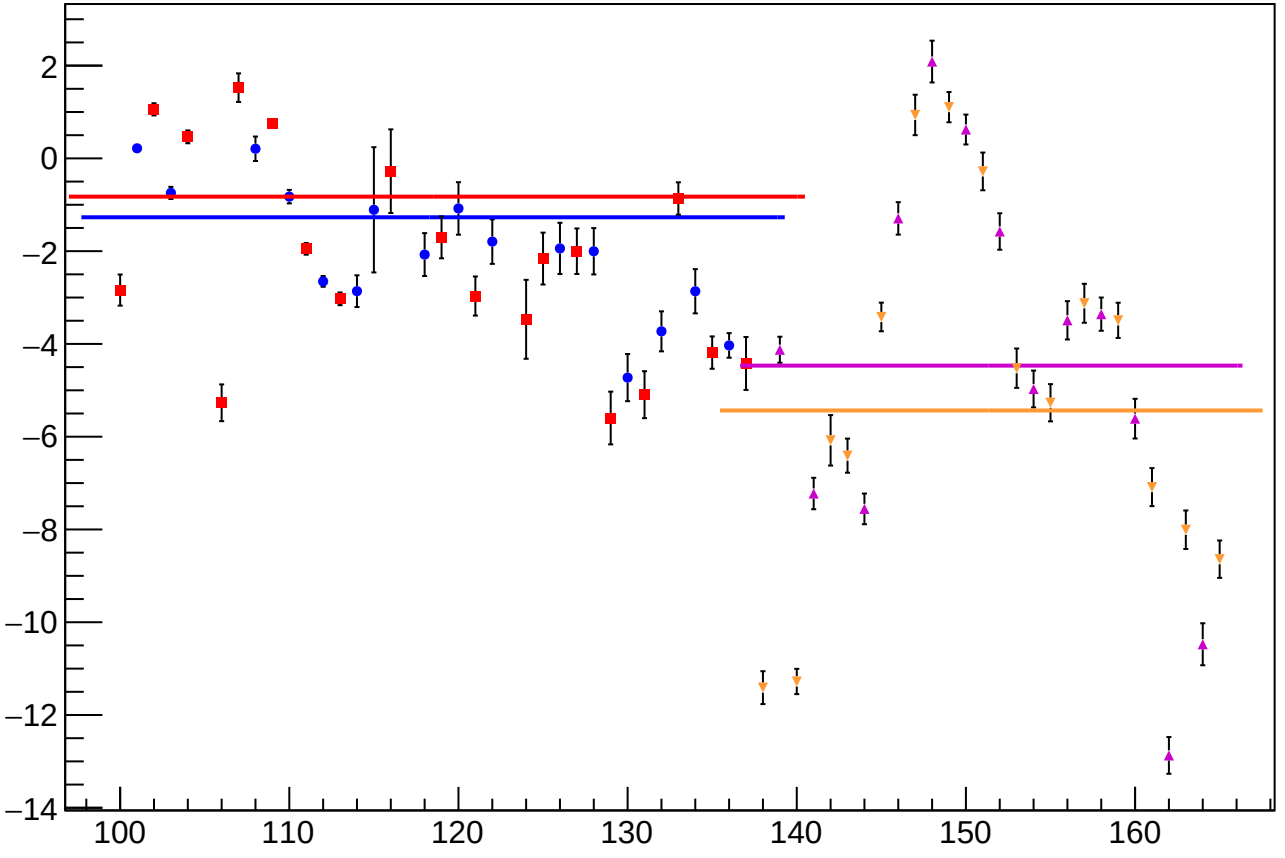
Left In: -20.029+/-0.011 χ^2/NDF:40509.0/12

+ sign -20.601+/-0.009 χ^2/NDF: 75349.8/30

All: -20.078+/-0.006 χ^2/NDF: 281945.4/62

- sign -19.539+/-0.009 χ^2/NDF: 199917.8/31

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.435+/-0.097 χ^2/NDF:1749.2/14

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

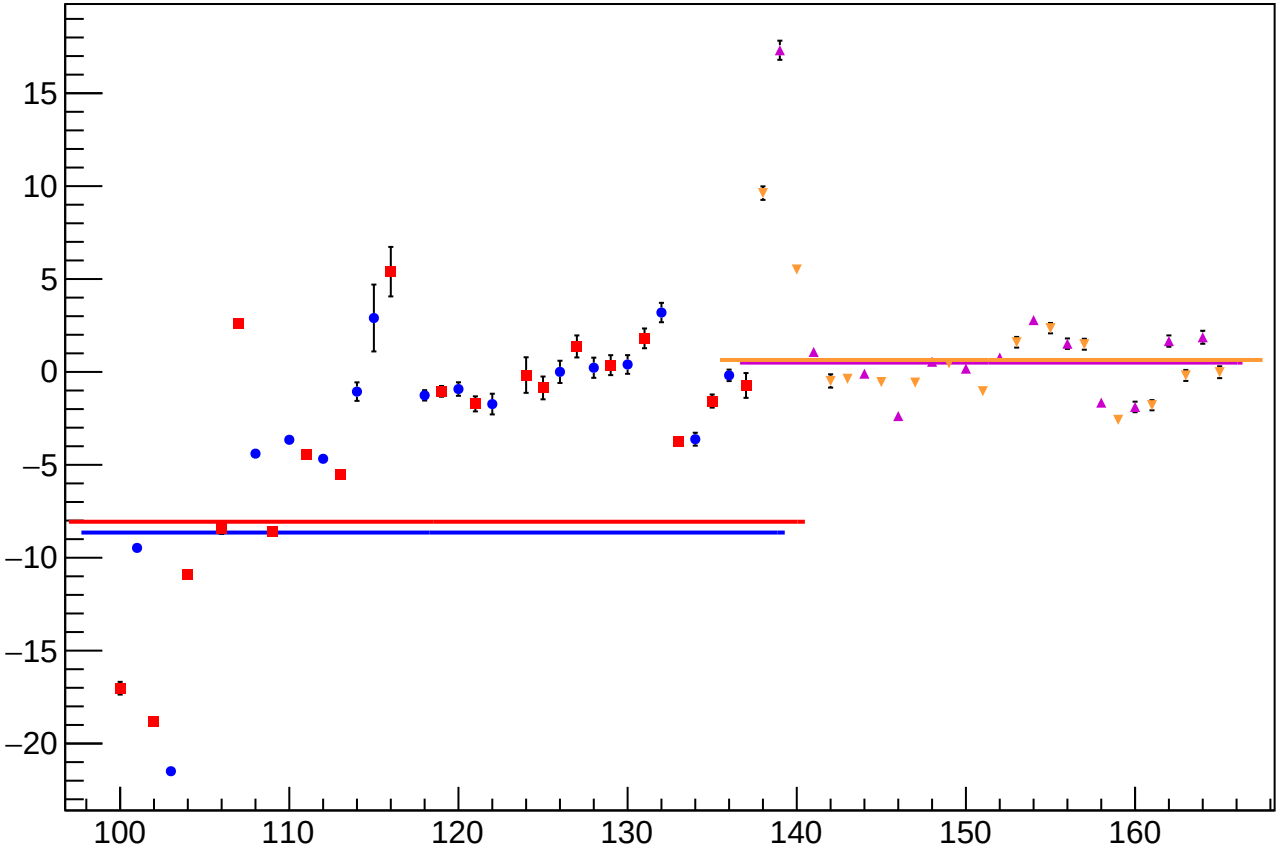
Left In: -4.468+/-0.102 χ^2/NDF:1402.6/12

+ sign -2.265+/-0.048 χ^2/NDF: 3760.5/30

All: -1.896+/-0.033 χ^2/NDF: 7685.9/62

- sign -1.556+/-0.046 χ^2/NDF: 3809.7/31

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.644+/-0.068 χ^2/NDF:1499.2/14

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

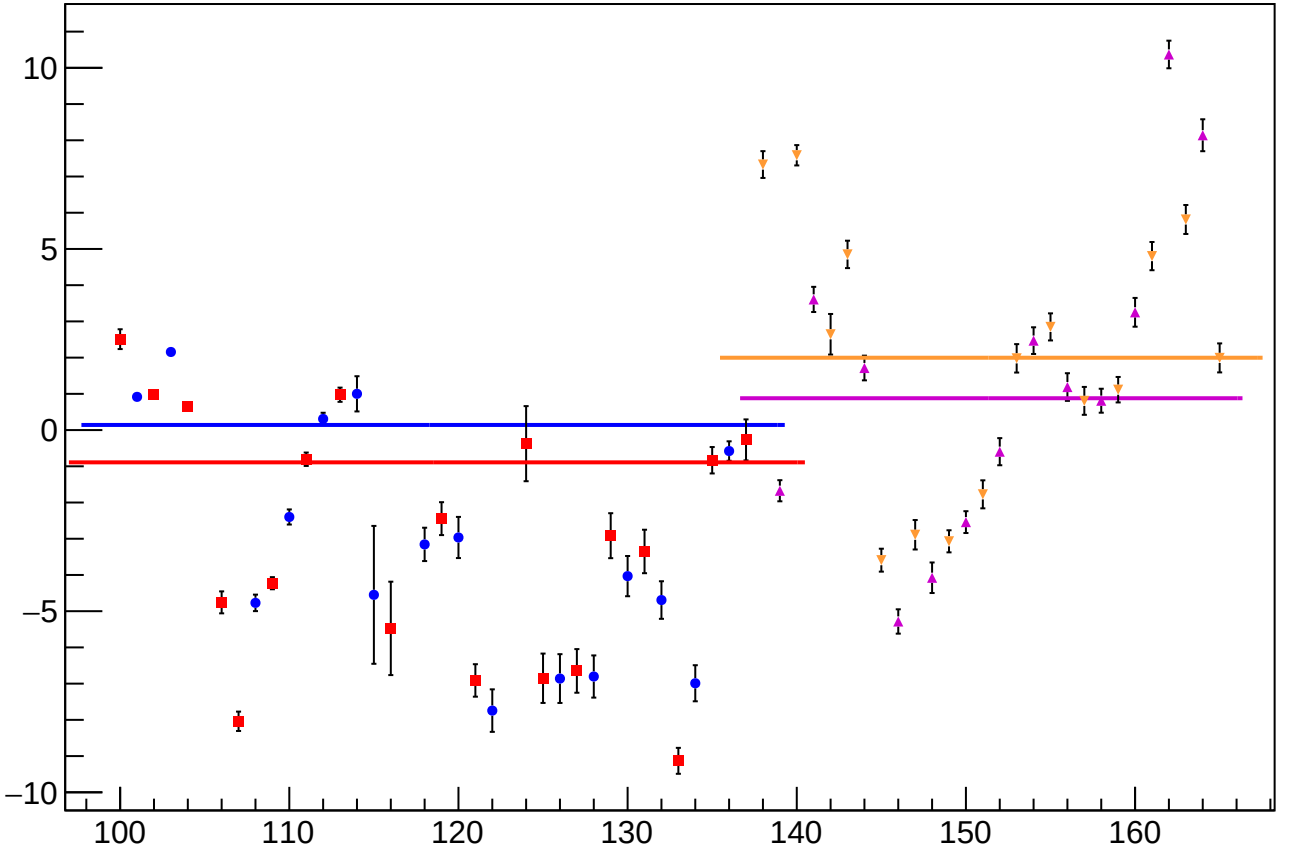
Left In: 0.501+/-0.073 χ^2/NDF:1526.2/12

+ sign -4.825+/-0.044 χ^2/NDF: 26271.4/30

All: -4.794+/-0.031 χ^2/NDF: 50781.4/62

- sign -4.760+/-0.045 χ^2/NDF: 24509.0/31

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.997+/-0.095 χ^2/NDF:1654.1/14

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

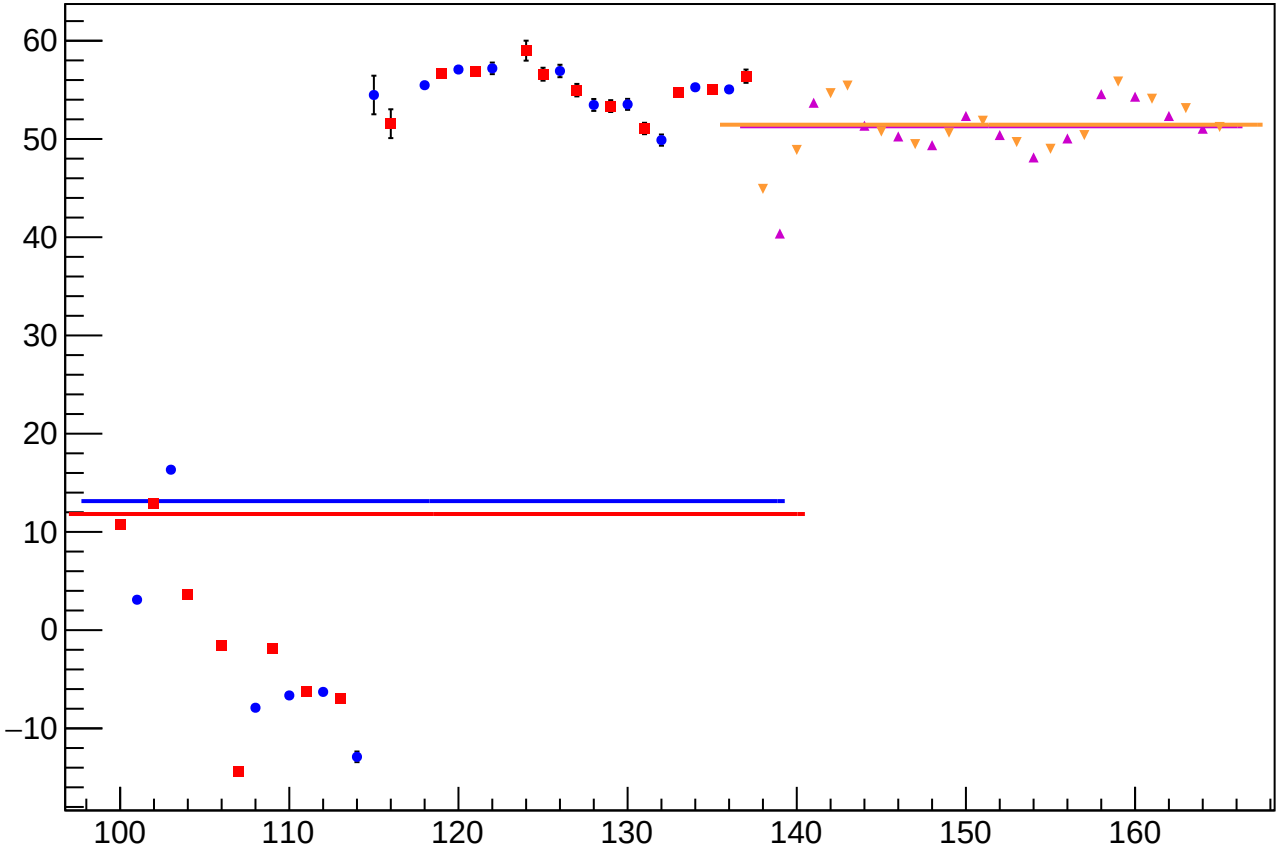
Left In: 0.879+/-0.099 χ^2/NDF:1709.8/12

+ sign 0.582+/-0.046 χ^2/NDF: 3905.8/30

All: 0.058+/-0.033 χ^2/NDF: 9112.7/62

- sign -0.487+/-0.047 χ^2/NDF: 4944.5/31

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.454+/-0.079 χ^2/NDF:1096.8/14

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

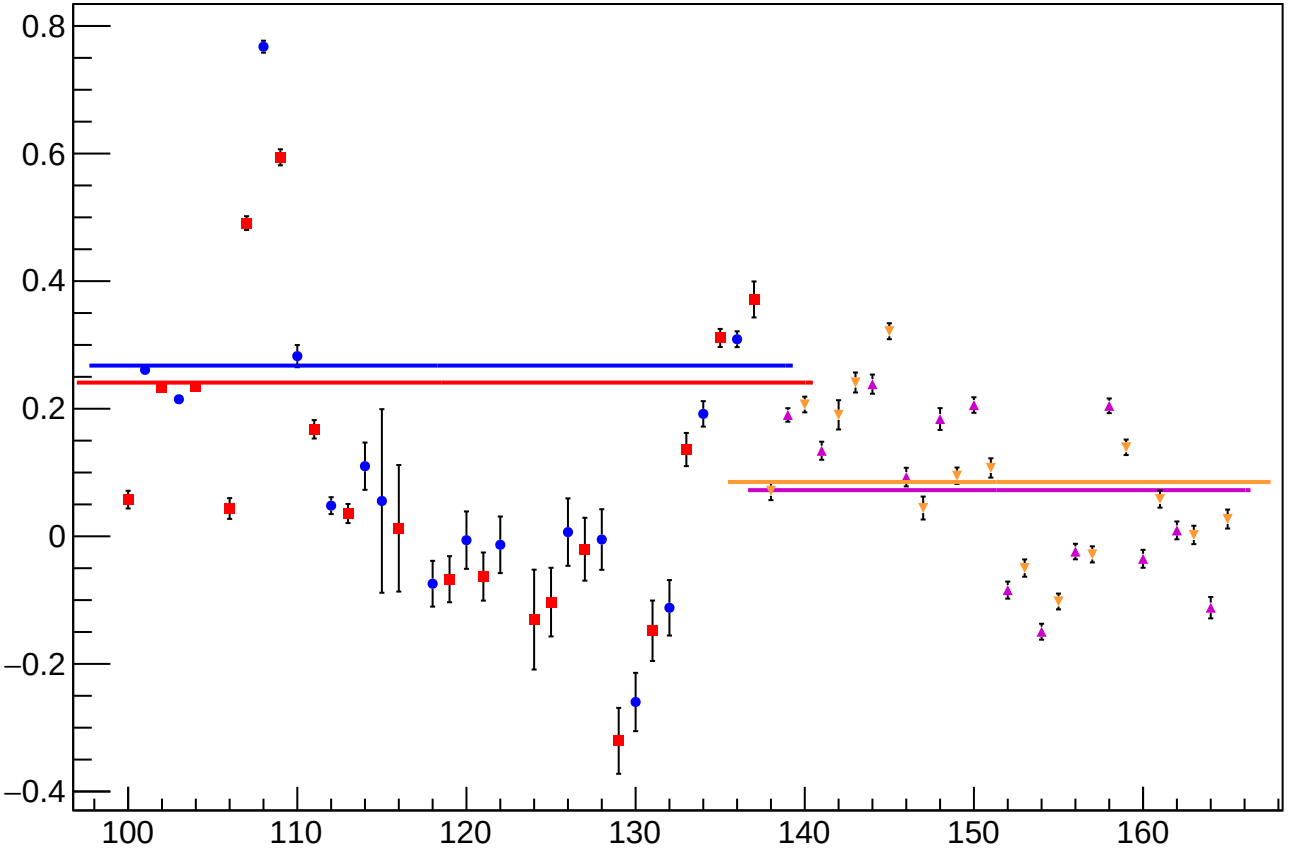
Left In: 51.292+/-0.084 χ^2/NDF:1025.1/12

+ sign 29.393+/-0.052 χ^2/NDF: 244610.6/30

All: 28.456+/-0.037 χ^2/NDF: 498707.2/62

- sign 27.477+/-0.053 χ^2/NDF: 253421.5/31

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.085+/-0.004 χ^2/NDF:1063.5/14

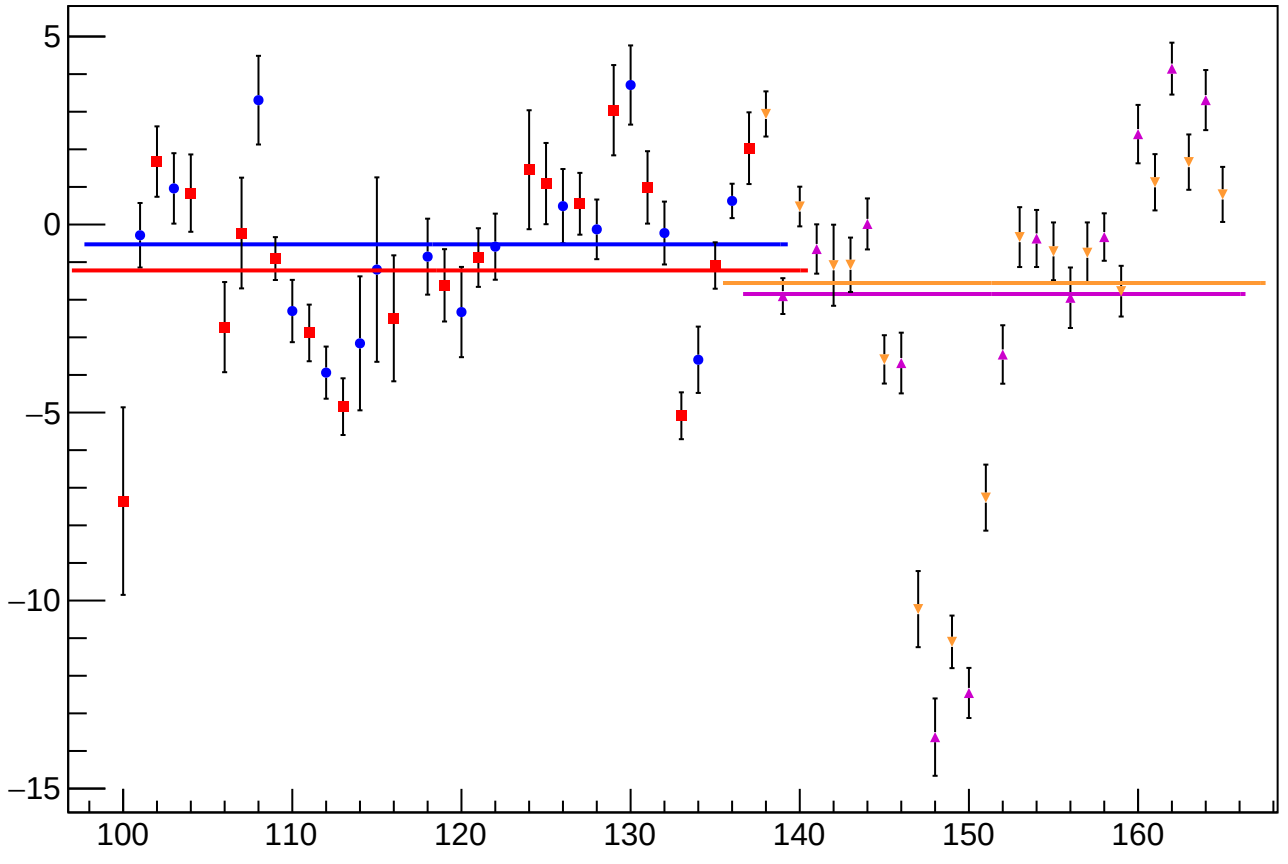
Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.072+/-0.004 χ^2/NDF:1277.0/12

+ sign 0.199+/-0.002 χ^2/NDF: 6384.4/30

All: 0.190+/-0.002 χ^2/NDF: 11375.9/62

- sign 0.181+/-0.002 χ^2/NDF: 4957.3/31



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.555+/-0.188 χ^2/NDF:430.5/14

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

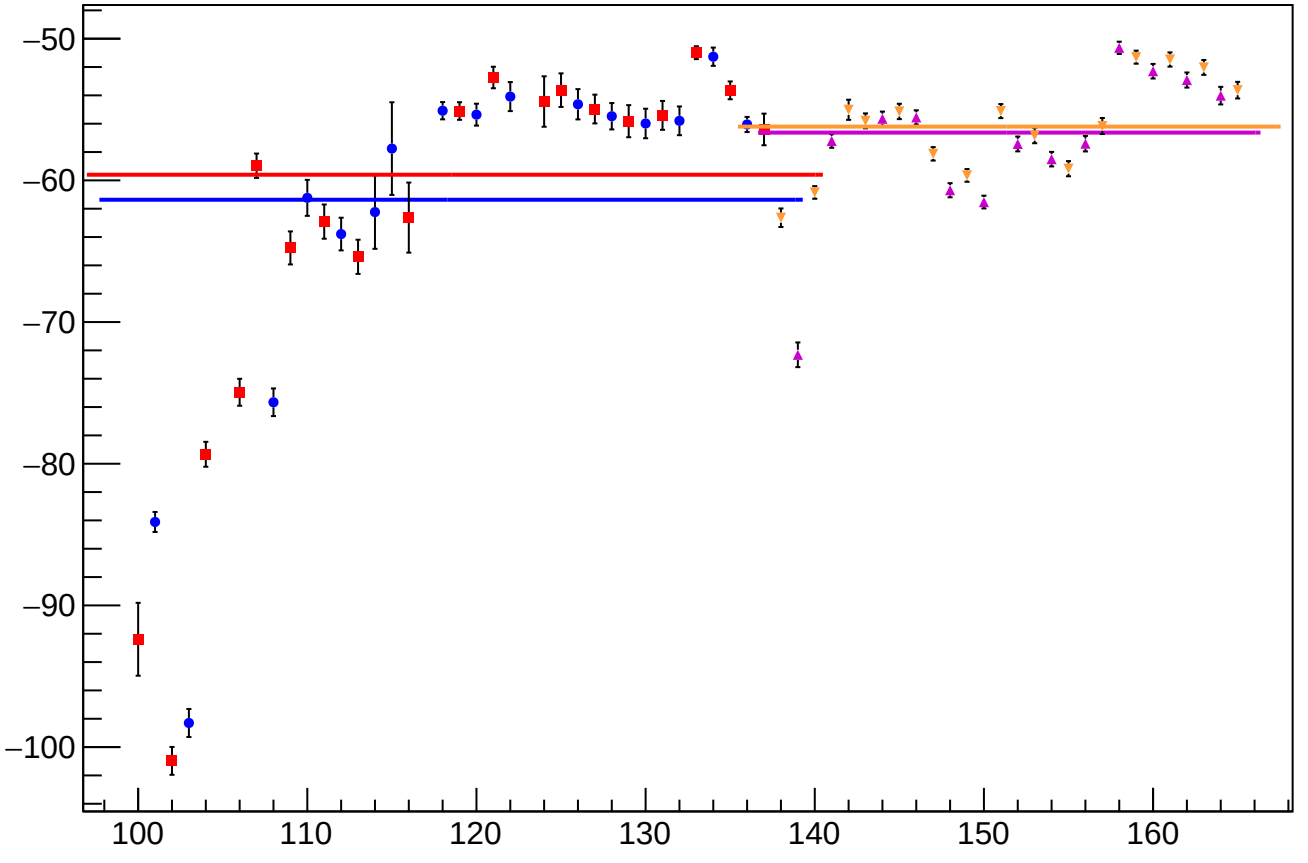
Left In: -1.848+/-0.195 χ^2/NDF:561.7/12

+ sign -1.115+/-0.142 χ^2/NDF: 526.0/30

All: -1.334+/-0.100 χ^2/NDF: 1228.3/62

- sign -1.550+/-0.141 χ^2/NDF: 697.6/31

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.204+/-0.135 χ^2/NDF:608.7/14

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

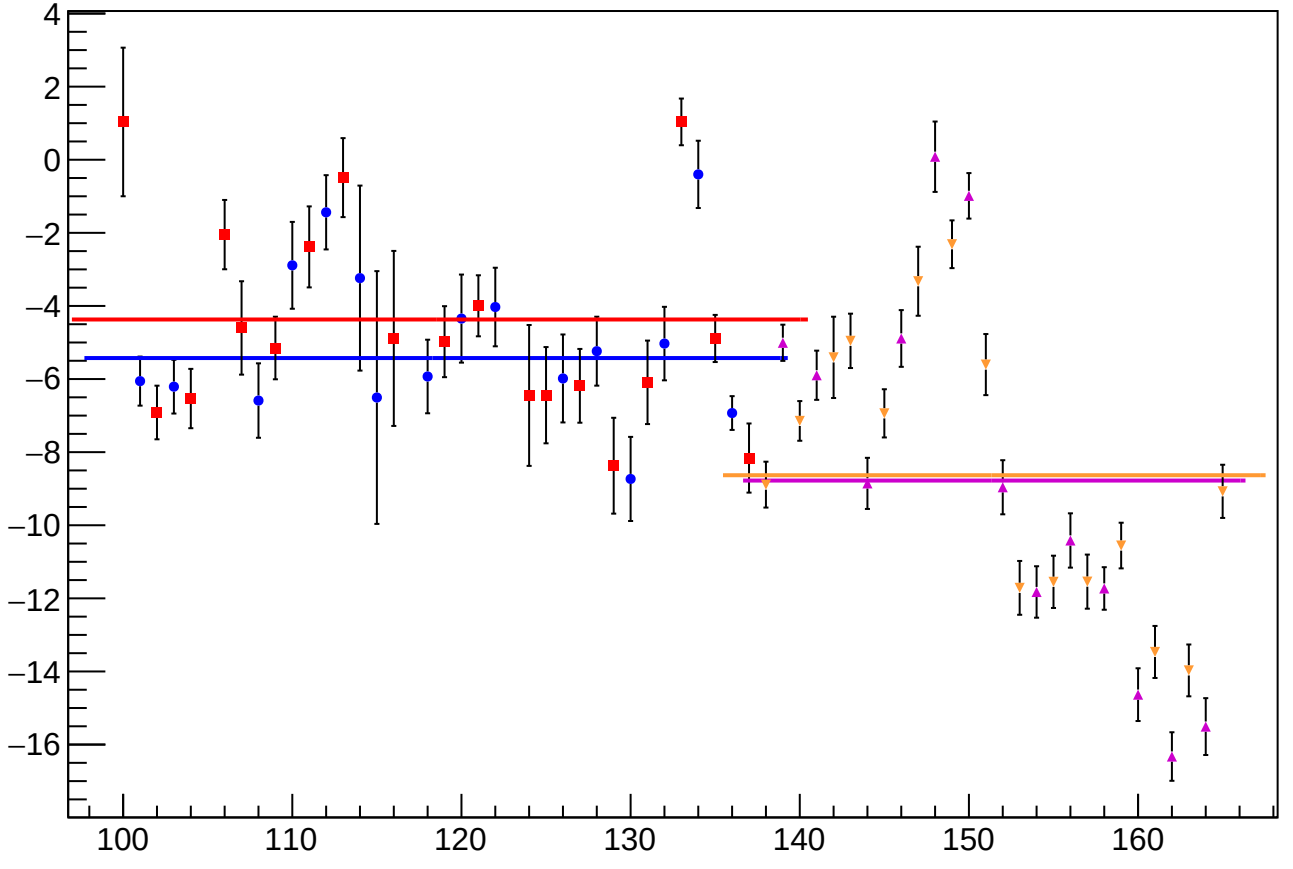
Left In: -56.628+/-0.144 χ^2/NDF:864.6/12

+ sign -57.623+/-0.115 χ^2/NDF: 4362.8/30

All: -57.610+/-0.082 χ^2/NDF: 8788.4/62

- sign -57.597+/-0.118 χ^2/NDF: 4425.5/31

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.631+/-0.183 χ^2/NDF:347.8/14

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

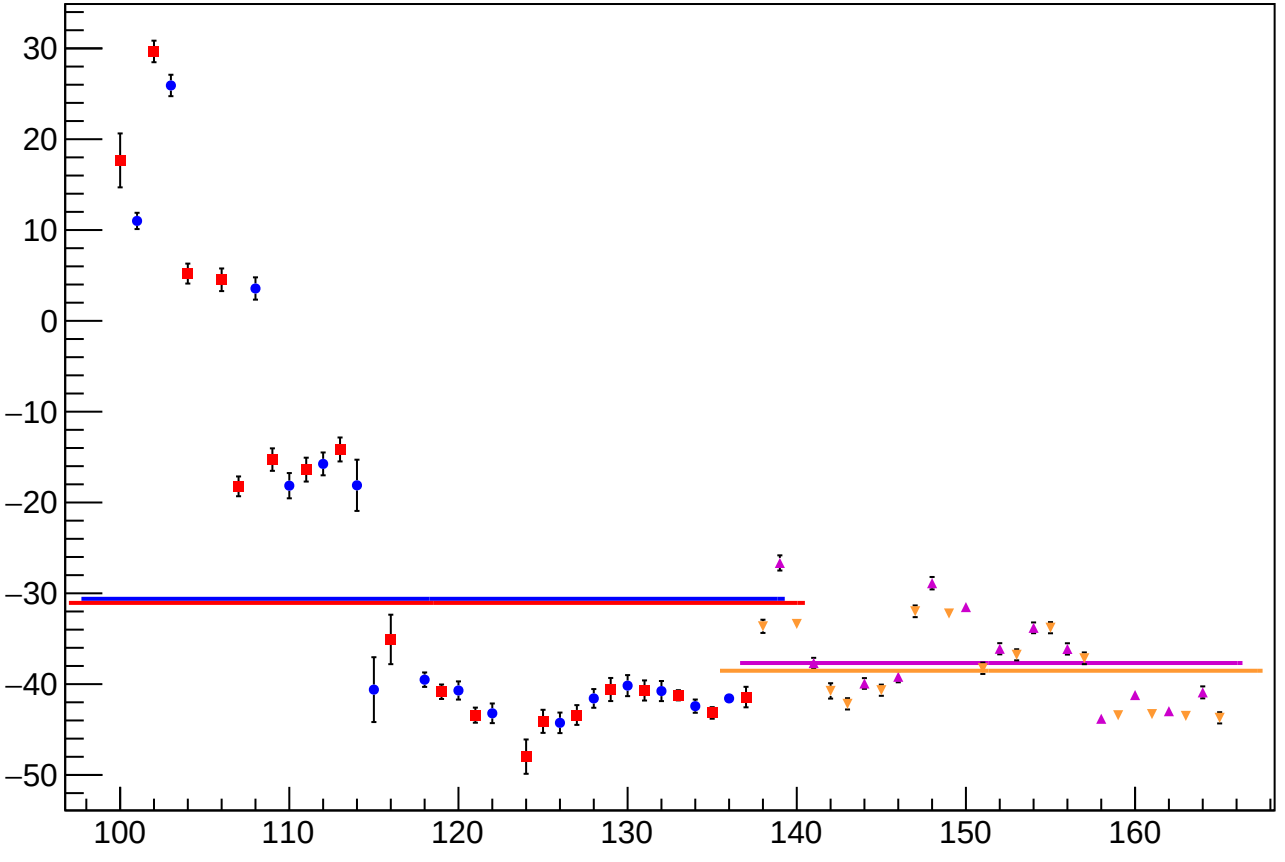
Left In: -8.777+/-0.189 χ^2/NDF:662.0/12

+ sign -7.386+/-0.143 χ^2/NDF: 542.6/30

All: -7.161+/-0.102 χ^2/NDF: 1594.4/62

- sign -6.934+/-0.144 χ^2/NDF: 1046.8/31

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.526+/-0.155 χ^2/NDF:838.7/14

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

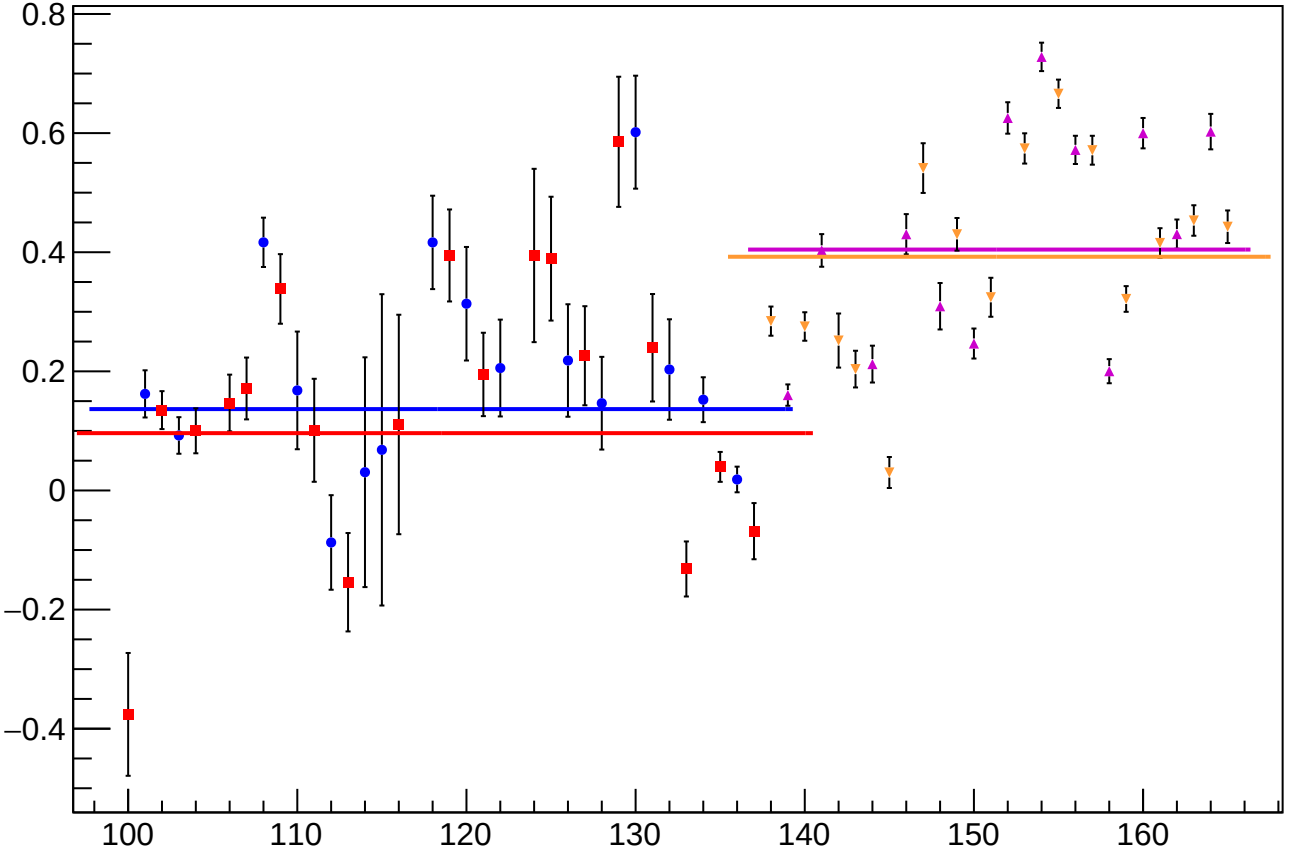
Left In: -37.675+/-0.163 χ^2/NDF:893.7/12

+ sign -36.327+/-0.131 χ^2/NDF: 8505.4/30

All: -35.950+/-0.094 χ^2/NDF: 16919.1/62

- sign -35.556+/-0.135 χ^2/NDF: 8397.0/31

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.392+/-0.007 χ^2/NDF:562.1/14

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

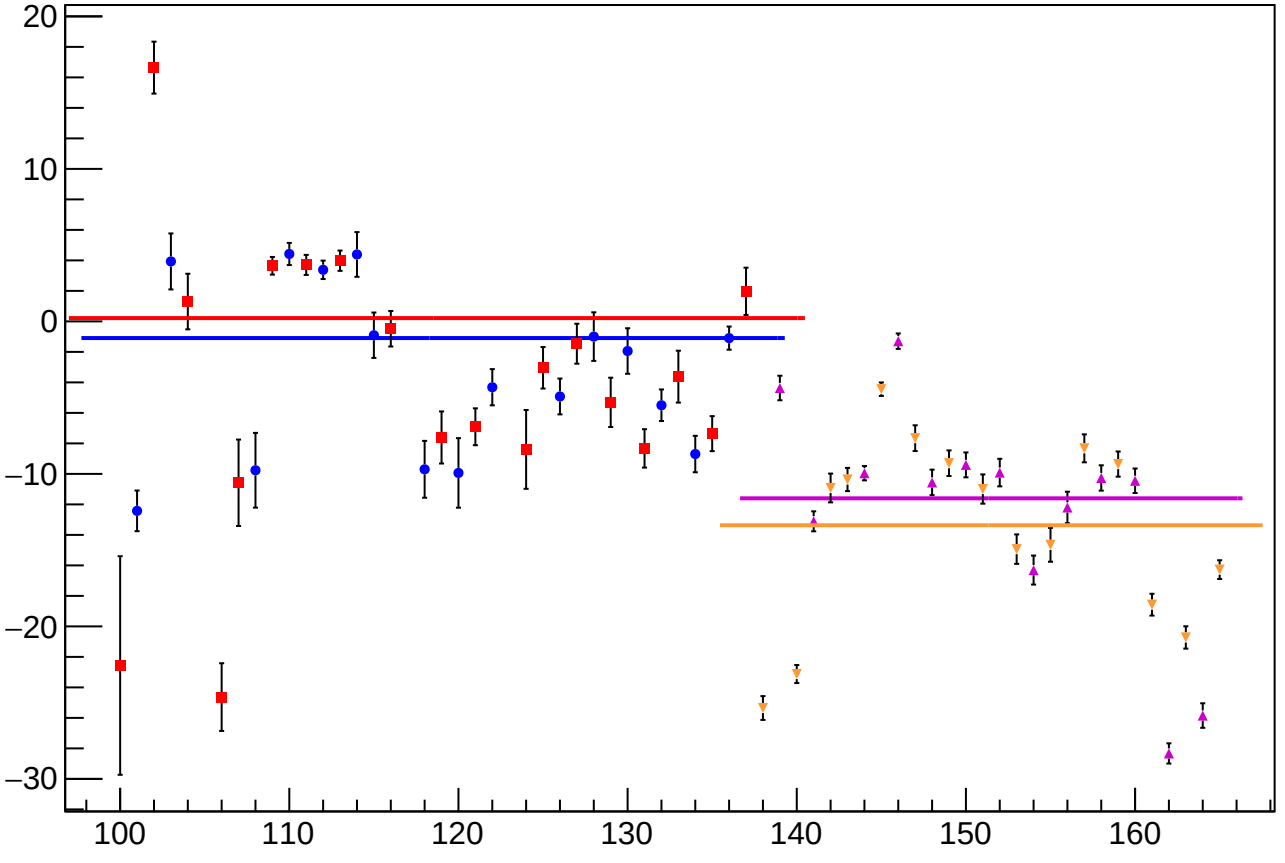
Left In: 0.404+/-0.007 χ^2/NDF:779.6/12

+ sign 0.333+/-0.006 χ^2/NDF: 1012.0/30

All: 0.331+/-0.004 χ^2/NDF: 2410.9/62

- sign 0.329+/-0.006 χ^2/NDF: 1398.8/31

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.367+/-0.191 χ^2/NDF:1246.6/14

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

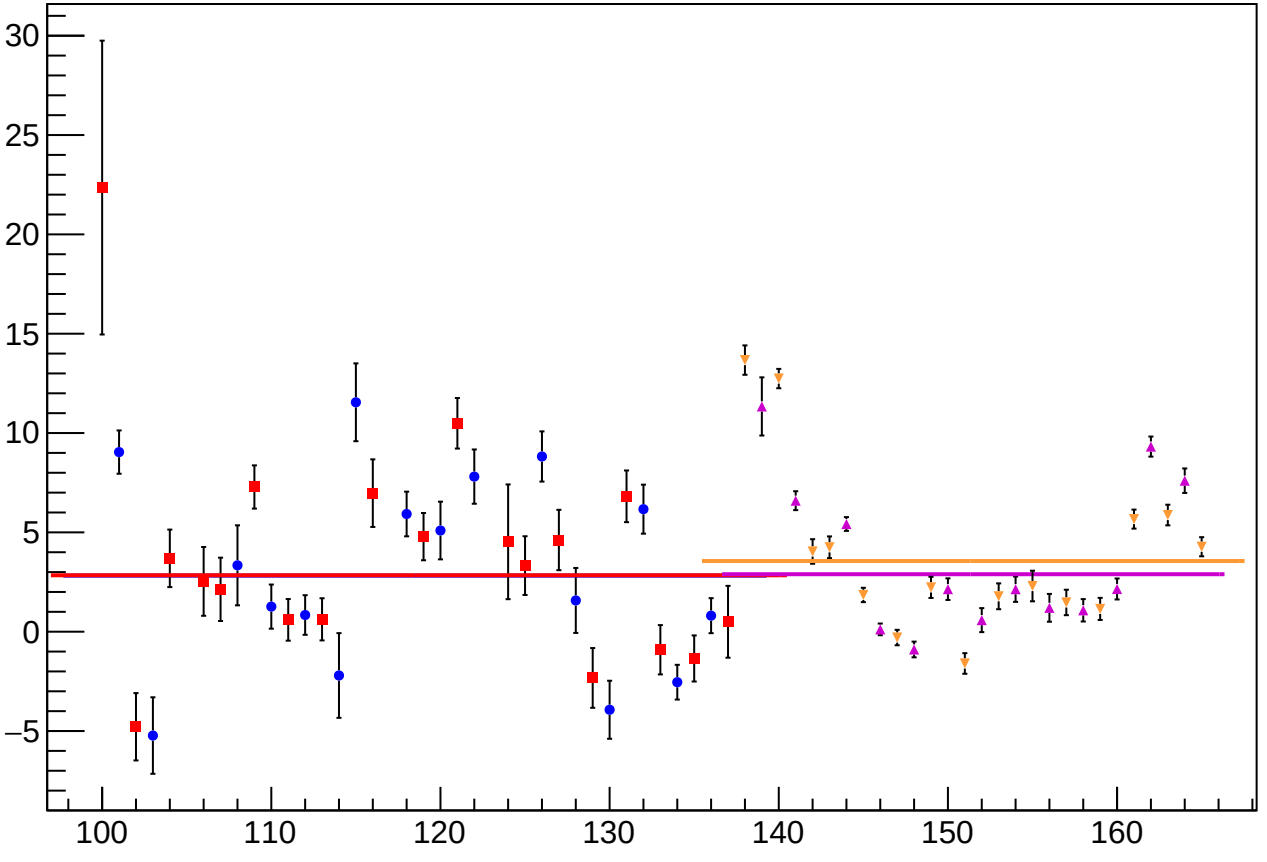
Left In: -11.602+/-0.199 χ^2/NDF:1503.8/12

+ sign -9.476+/-0.158 χ^2/NDF: 2885.7/30

All: -8.431+/-0.112 χ^2/NDF: 6263.7/62

- sign -7.369+/-0.159 χ^2/NDF: 3289.8/31

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.557+/-0.134 χ^2/NDF:852.8/14

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

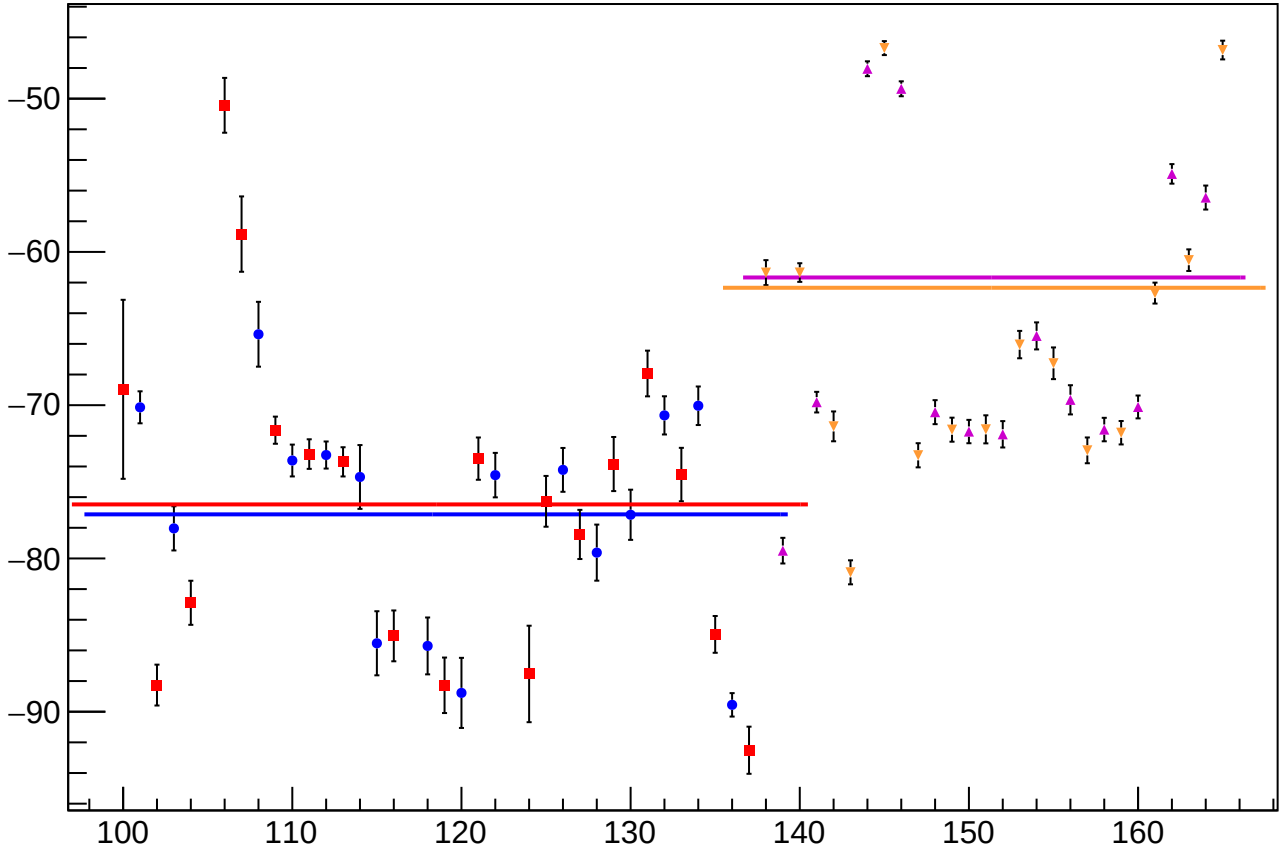
Left In: 2.893+/-0.135 χ^2/NDF:583.9/12

+ sign 3.444+/-0.123 χ^2/NDF: 1057.0/30

All: 3.167+/-0.088 χ^2/NDF: 1796.1/62

- sign 2.885+/-0.124 χ^2/NDF: 728.9/31

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -62.339+/-0.188 χ^2/NDF:3267.2/14

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

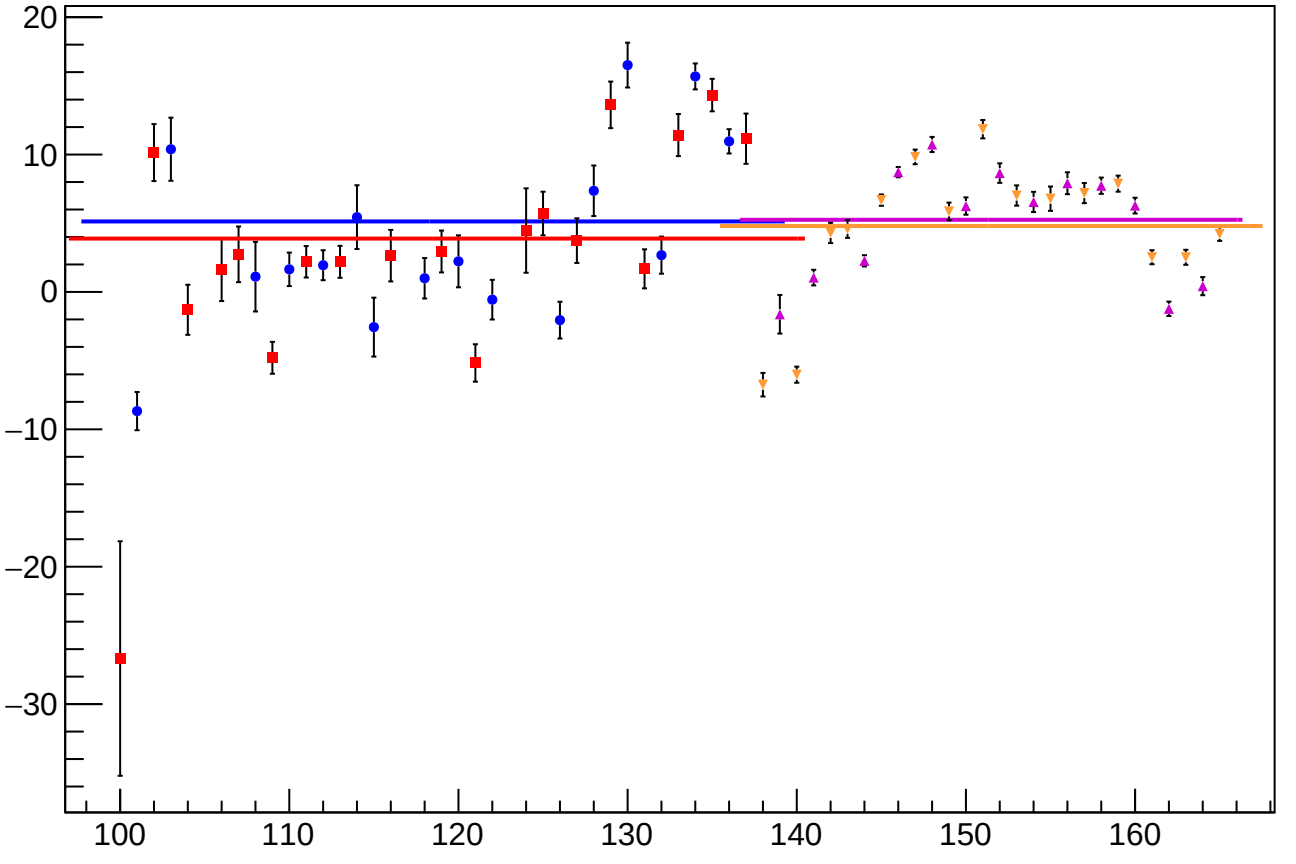
Left In: -61.668+/-0.193 χ^2/NDF:3006.8/12

+ sign -66.024+/-0.163 χ^2/NDF: 5311.8/30

All: -65.756+/-0.116 χ^2/NDF: 10529.4/62

- sign -65.476+/-0.167 χ^2/NDF: 5212.0/31

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.798+/-0.155 χ^2/NDF:838.1/14

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

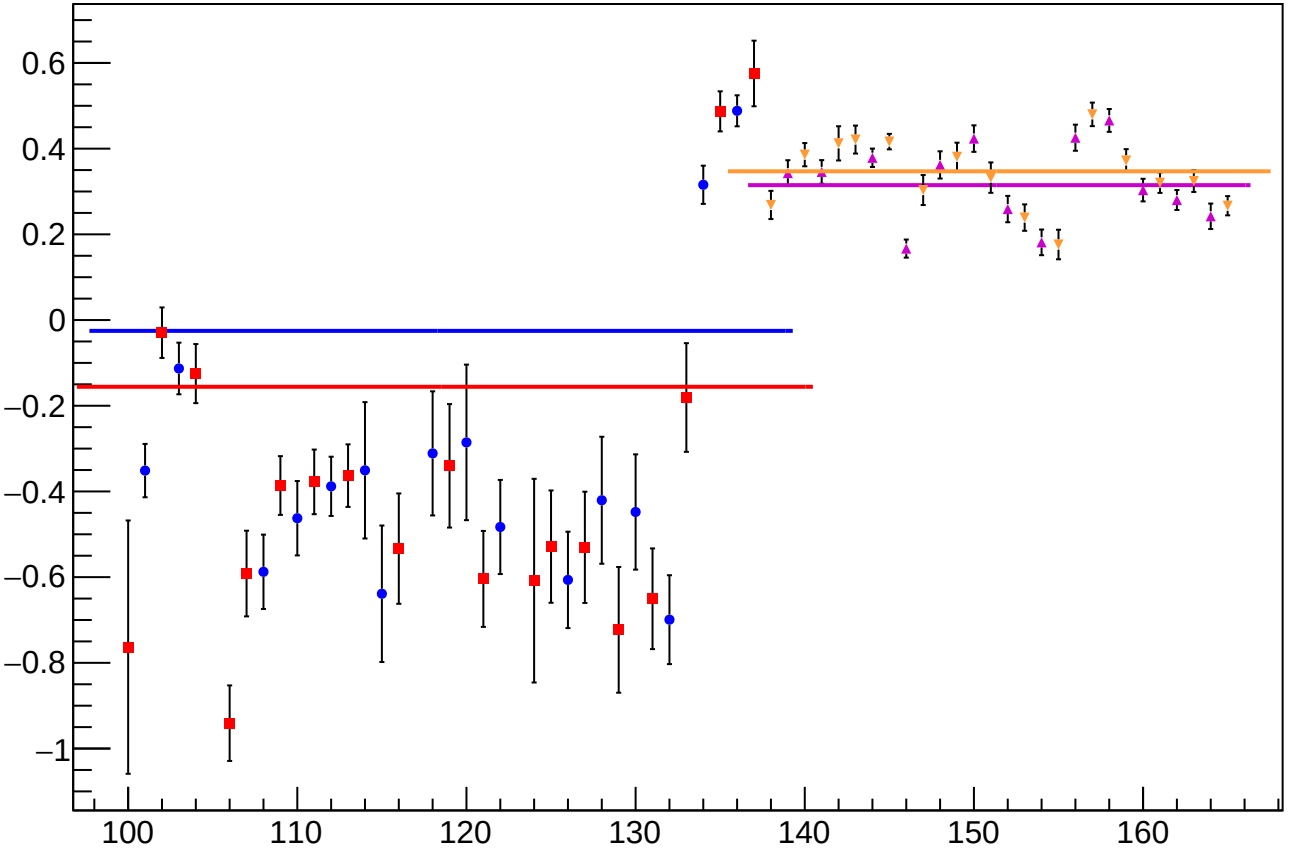
Left In: 5.252+/-0.158 χ^2/NDF:584.5/12

+ sign 4.853+/-0.142 χ^2/NDF: 1251.2/30

All: 4.940+/-0.101 χ^2/NDF: 2140.0/62

- sign 5.032+/-0.145 χ^2/NDF: 888.0/31

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.347+/-0.007 χ^2/NDF:109.0/14

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

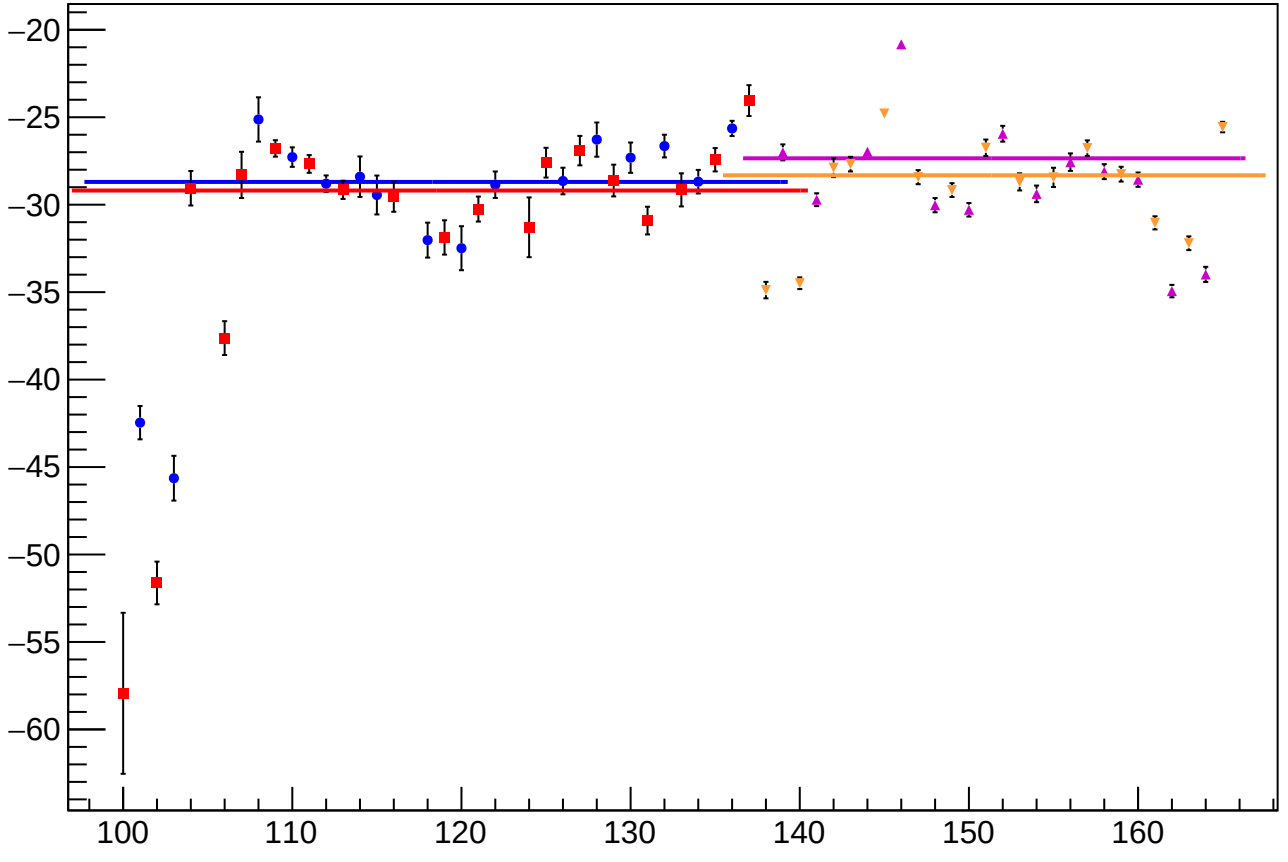
Left In: 0.315+/-0.007 χ^2/NDF:151.6/12

+ sign 0.300+/-0.007 χ^2/NDF: 959.2/30

All: 0.280+/-0.005 χ^2/NDF: 2101.4/62

- sign 0.258+/-0.007 χ^2/NDF: 1123.5/31

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.319+/-0.097 χ^2/NDF:1103.9/14

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

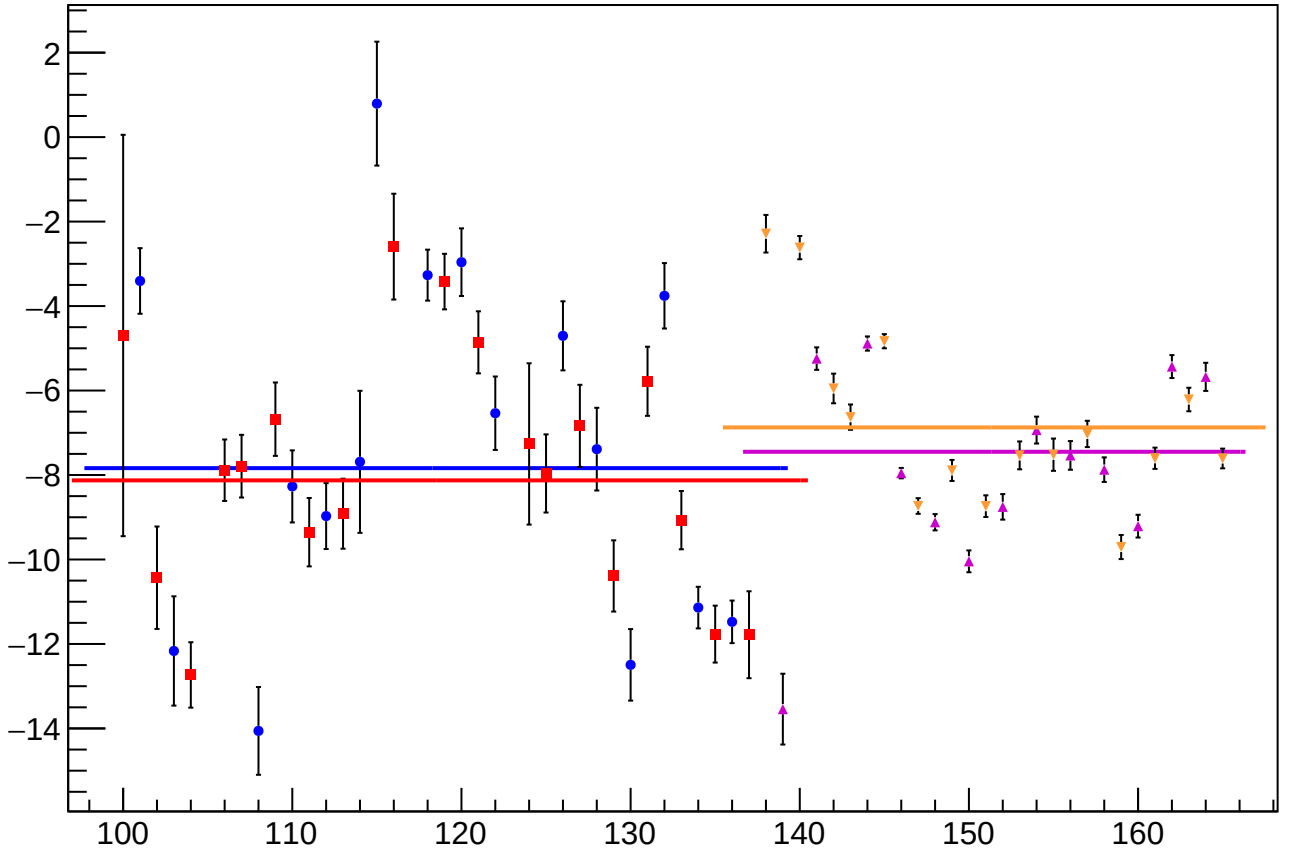
Left In: -27.349+/-0.097 χ^2/NDF:1872.2/12

+ sign -28.400+/-0.086 χ^2/NDF: 1594.5/30

All: -28.080+/-0.061 χ^2/NDF: 4131.8/62

- sign -27.761+/-0.086 χ^2/NDF: 2509.6/31

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.873+/-0.068 χ^2/NDF:801.7/14

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

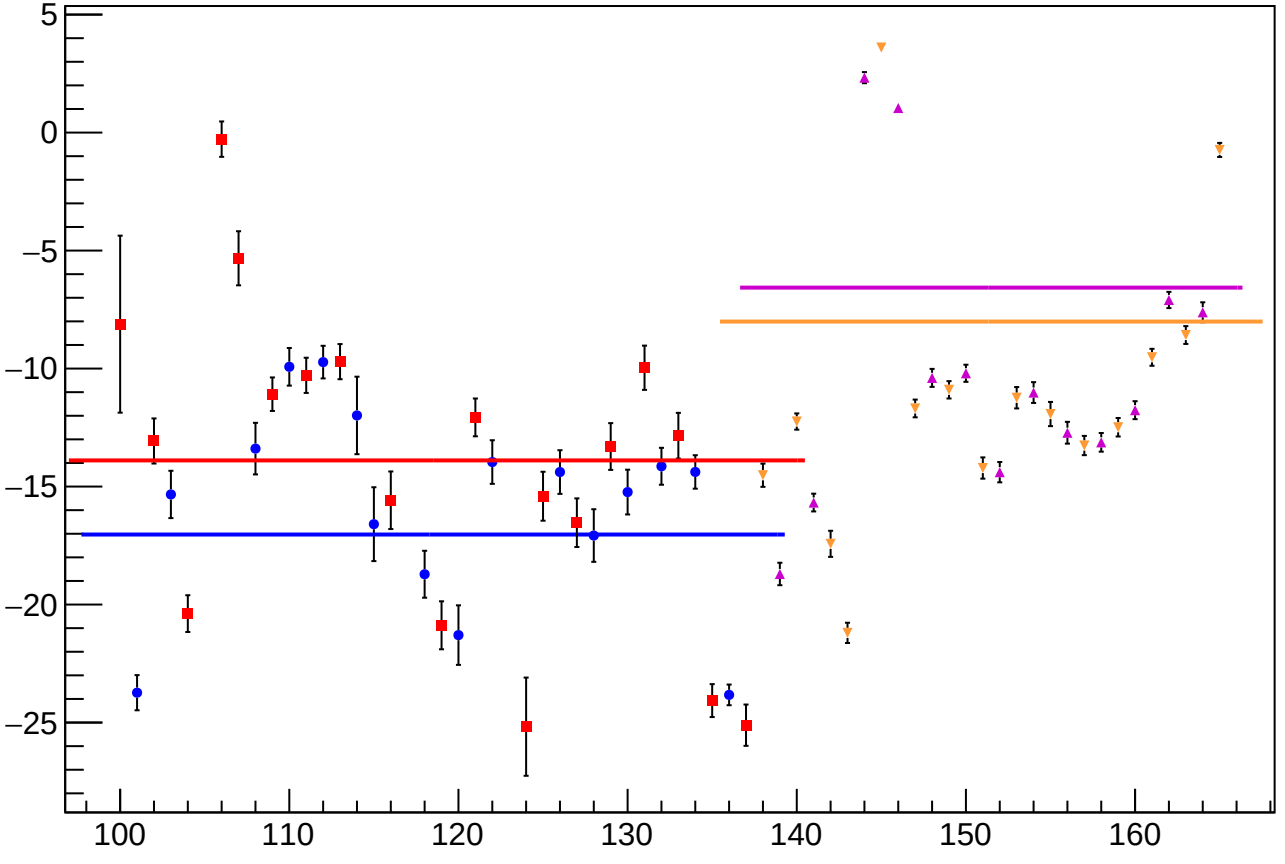
Left In: -7.450+/-0.065 χ^2/NDF:695.9/12

+ sign -6.977+/-0.064 χ^2/NDF: 1206.7/30

All: -7.256+/-0.044 χ^2/NDF: 2147.6/62

- sign -7.516+/-0.062 χ^2/NDF: 903.9/31

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.009+/-0.095 χ^2/NDF:6043.7/14

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

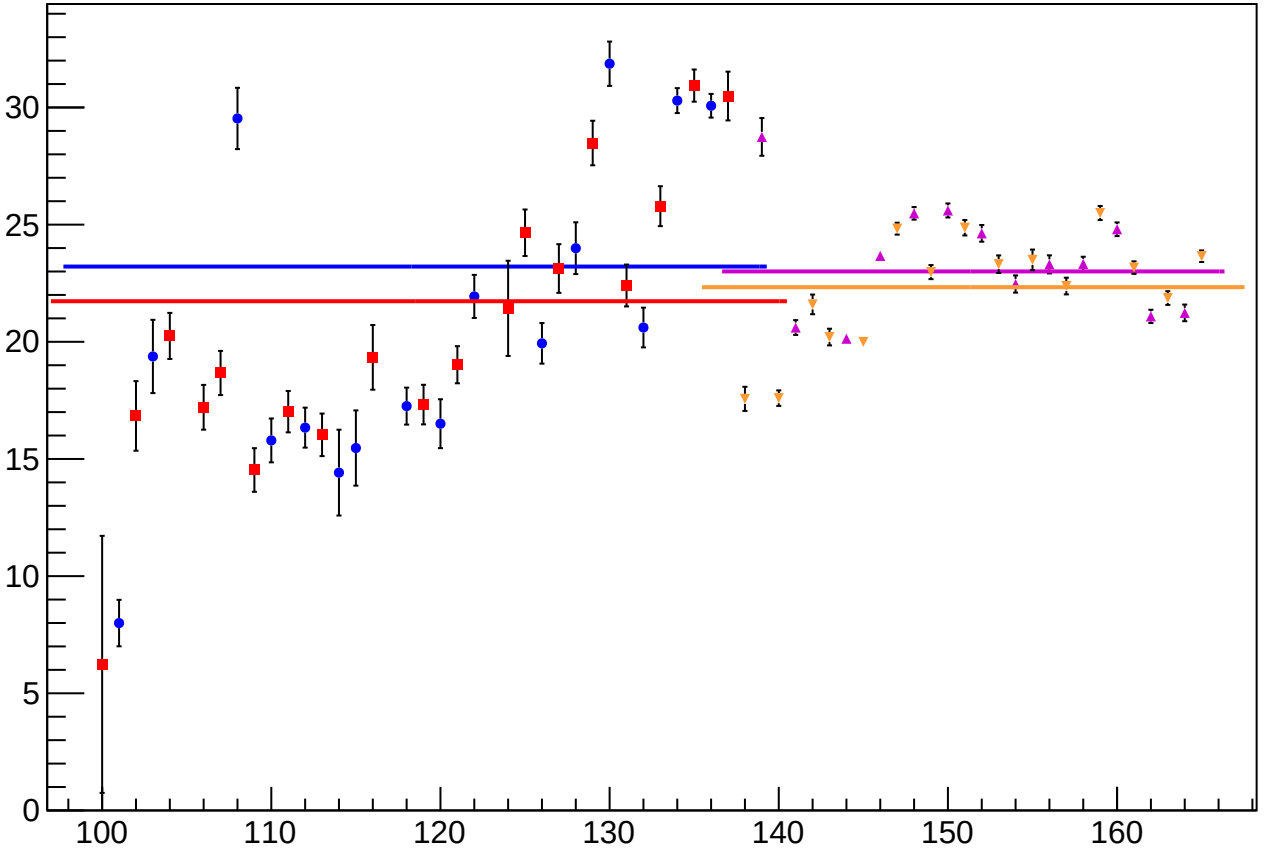
Left In: -6.570+/-0.094 χ^2/NDF:5416.5/12

\+ sign -9.547+/-0.086 χ^2/NDF: 8185.7/30

All: -8.675+/-0.061 χ^2/NDF: 15839.0/62

\- sign -7.809+/-0.086 χ^2/NDF: 7450.3/31

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.330+/-0.078 χ^2/NDF:803.4/14

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

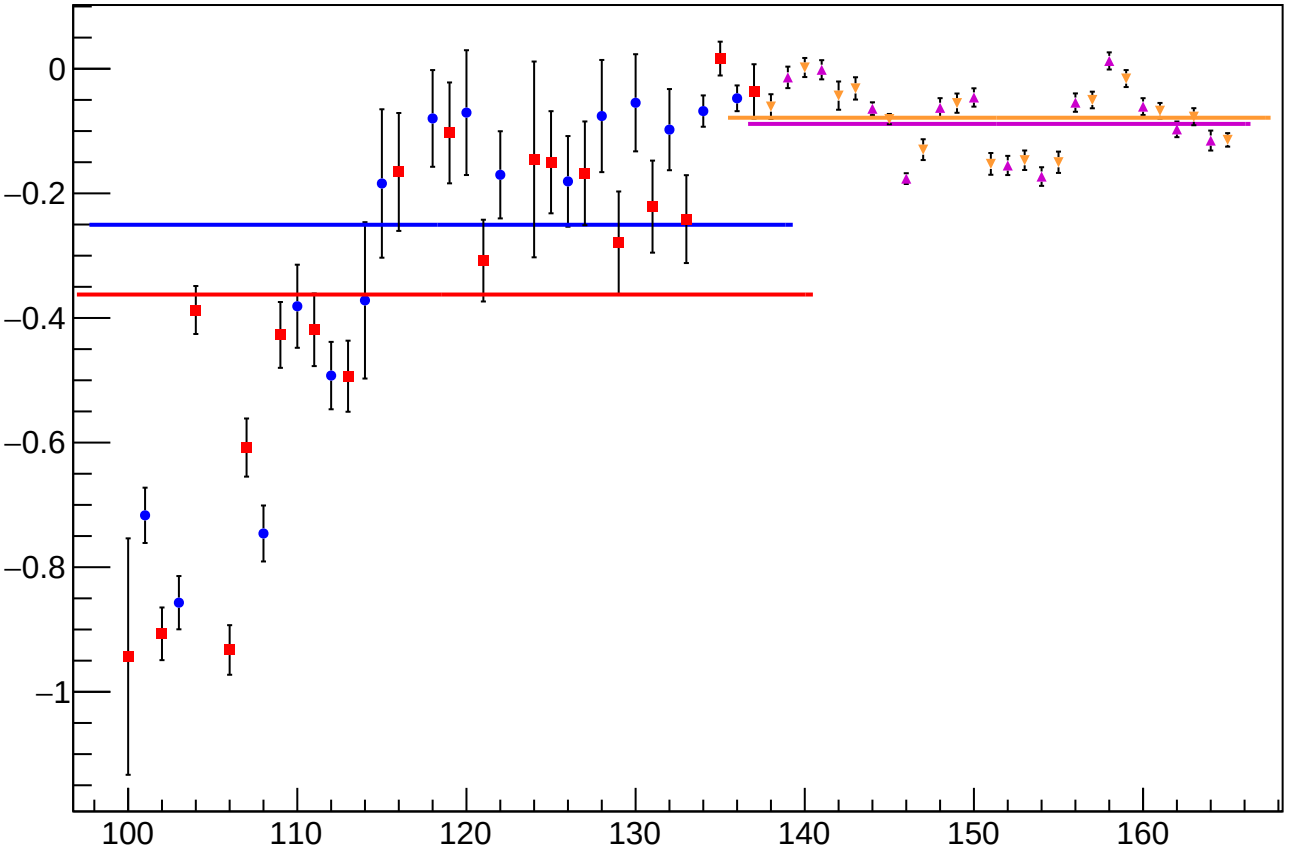
Left In: 23.003+/-0.077 χ^2/NDF:632.5/12

+ sign 22.431+/-0.074 χ^2/NDF: 1826.0/30

All: 22.653+/-0.052 χ^2/NDF: 3063.4/62

- sign 22.869+/-0.073 χ^2/NDF: 1219.5/31

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.079+/-0.004 χ^2/NDF:141.5/14

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

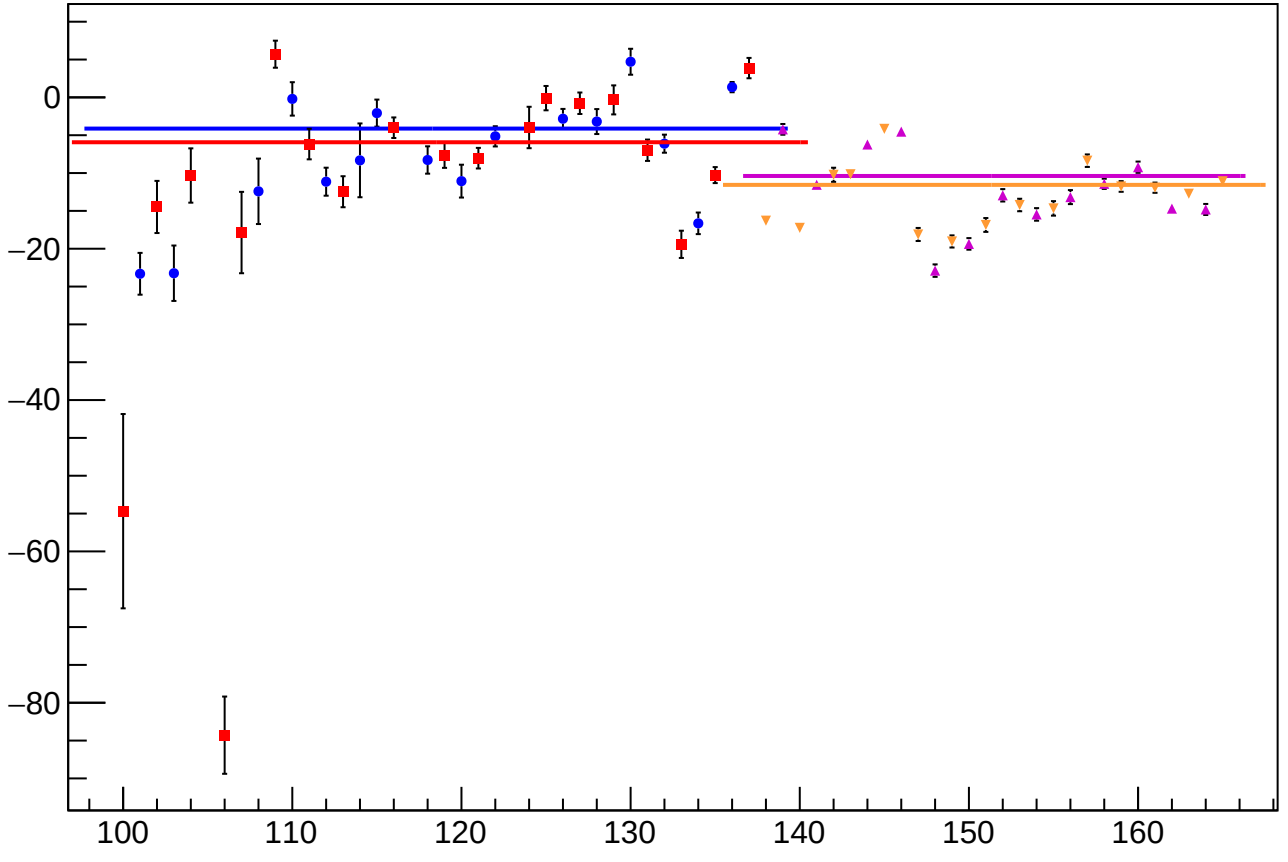
Left In: -0.089+/-0.004 χ^2/NDF:288.2/12

+ sign -0.094+/-0.003 χ^2/NDF: 973.1/30

All: -0.102+/-0.002 χ^2/NDF: 2429.4/62

- sign -0.111+/-0.004 χ^2/NDF: 1444.1/31

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.563+/-0.168 χ^2/NDF:789.1/14

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

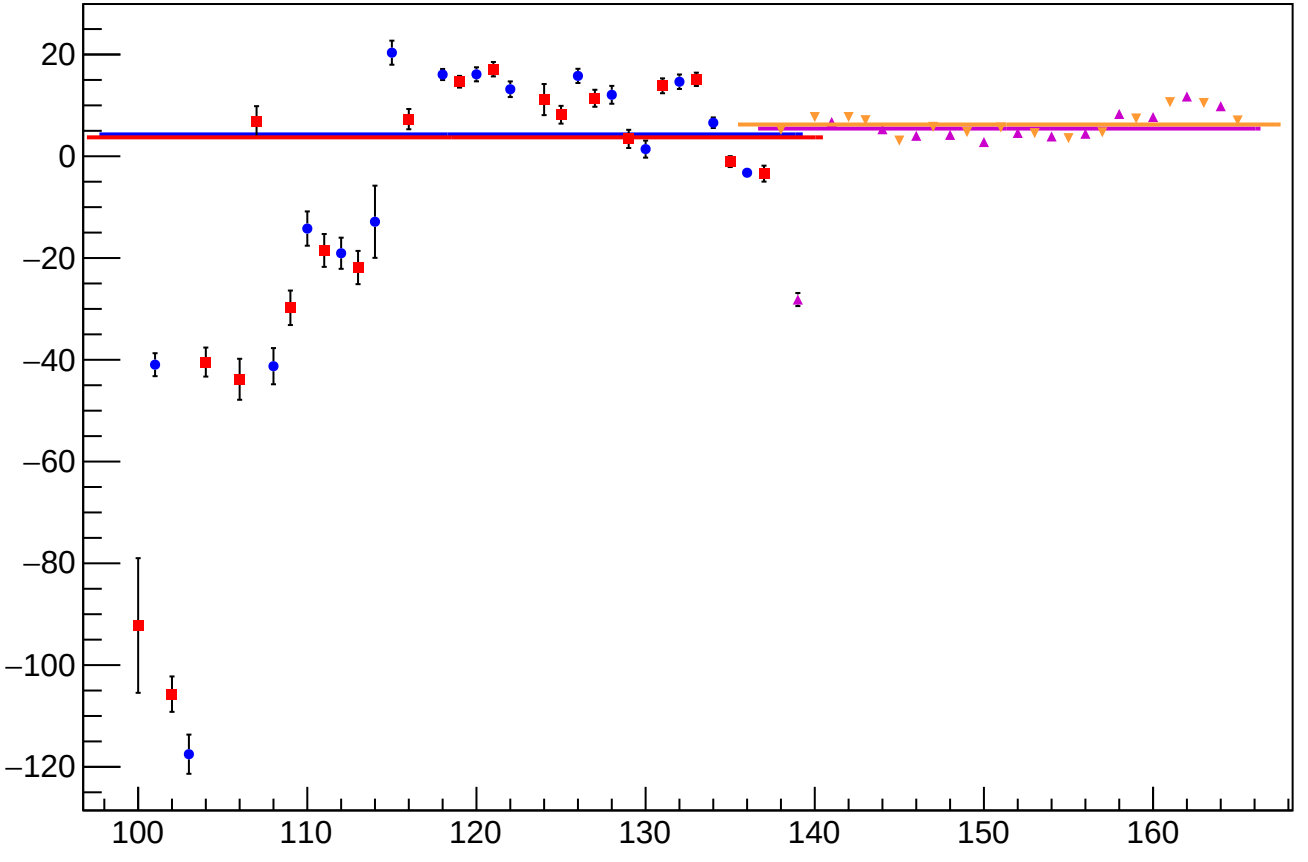
Left In: -10.386+/-0.176 χ^2/NDF:900.9/12

+ sign -10.351+/-0.154 χ^2/NDF: 1394.8/30

All: -10.034+/-0.112 χ^2/NDF: 2887.9/62

- sign -9.685+/-0.162 χ^2/NDF: 1484.2/31

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.244+/-0.120 χ^2/NDF:365.8/14

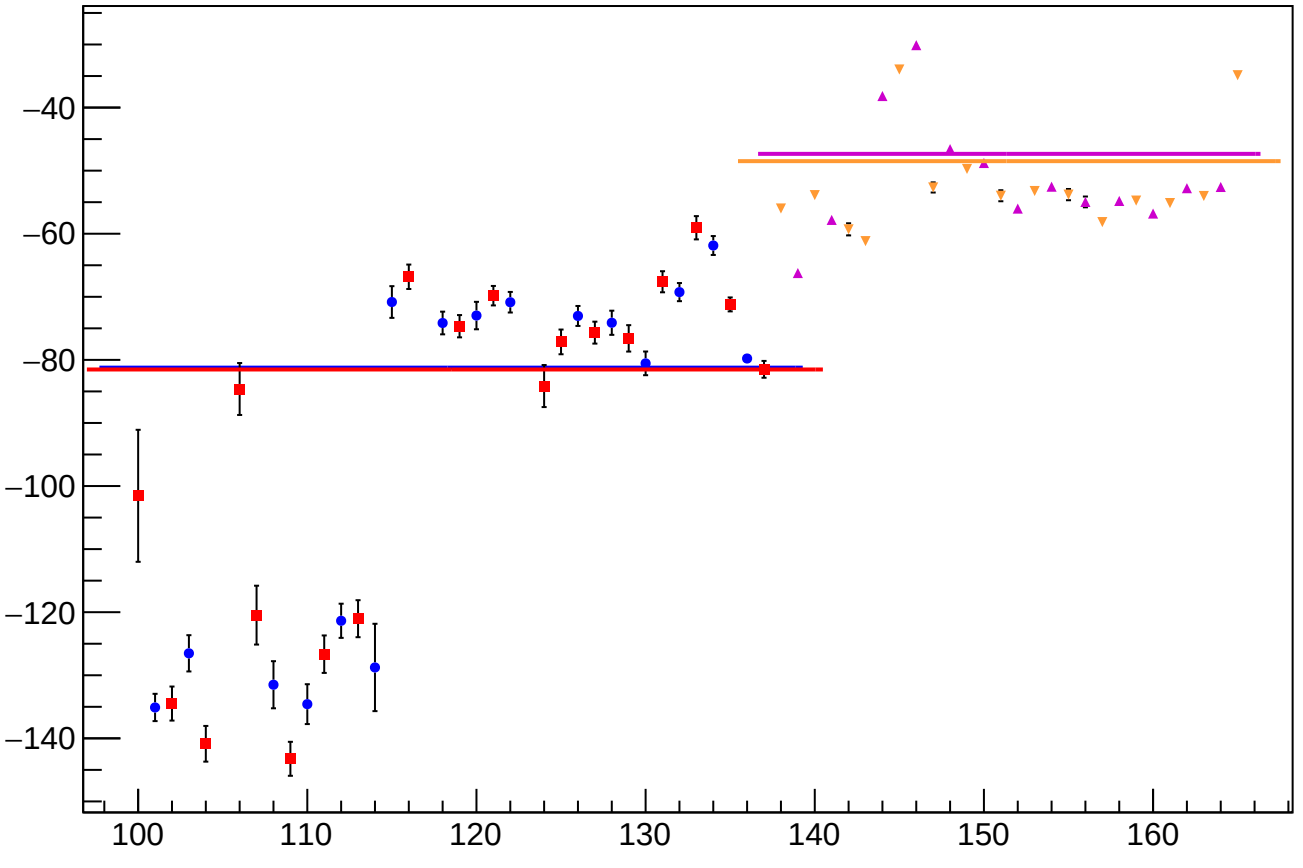
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.445+/-0.121 χ^2/NDF:1084.3/12

+ sign 6.071+/-0.115 χ^2/NDF: 2558.3/30

All: 5.698+/-0.082 χ^2/NDF: 5686.8/62

- sign 5.315+/-0.116 χ^2/NDF: 3107.0/31



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -48.495+/-0.166 χ^2/NDF:3546.5/14

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

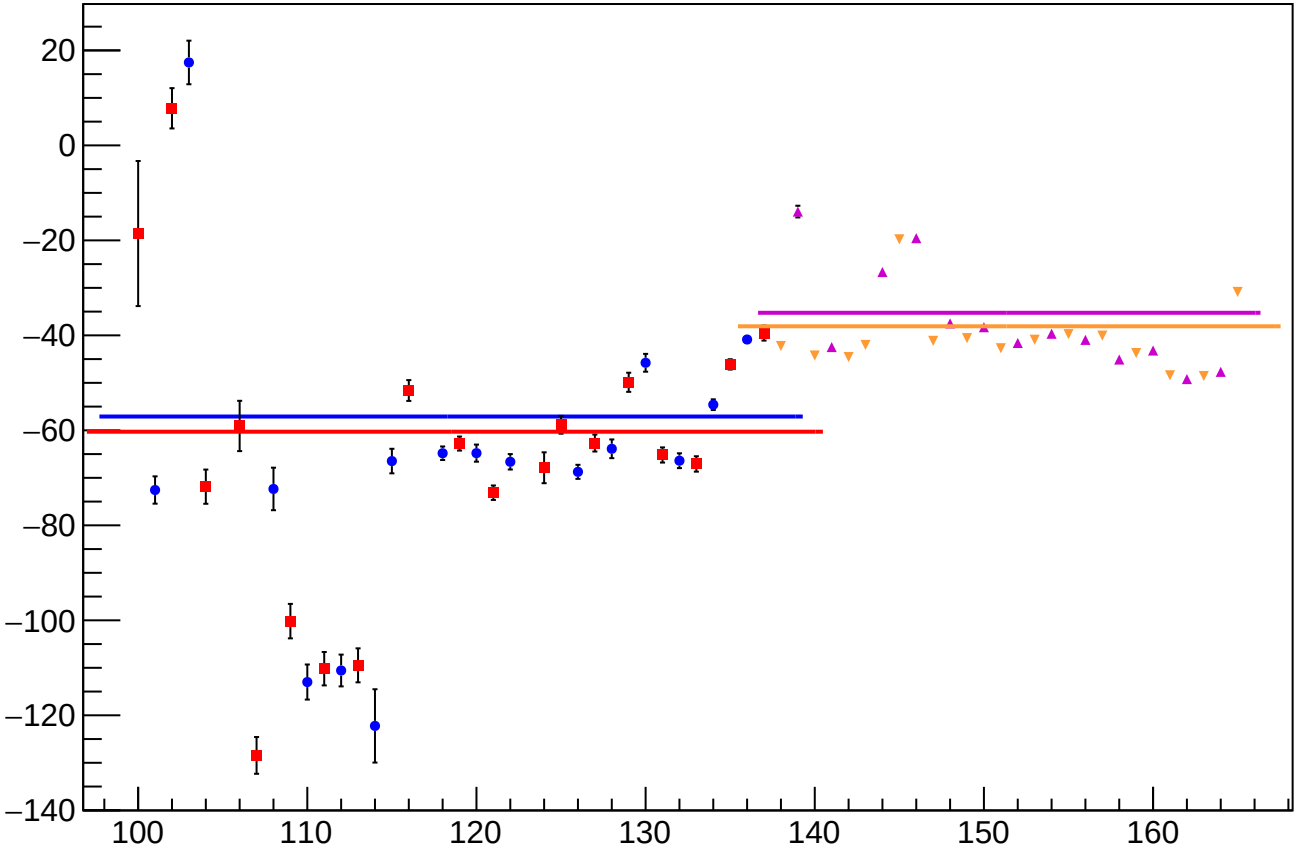
Left In: -47.338+/-0.171 χ^2/NDF:4019.2/12

+ sign -52.979+/-0.154 χ^2/NDF: 10840.7/30

All: -52.256+/-0.111 χ^2/NDF: 22019.6/62

- sign -51.474+/-0.161 χ^2/NDF: 11133.3/31

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -38.088+/-0.138 χ^2/NDF:4688.5/14

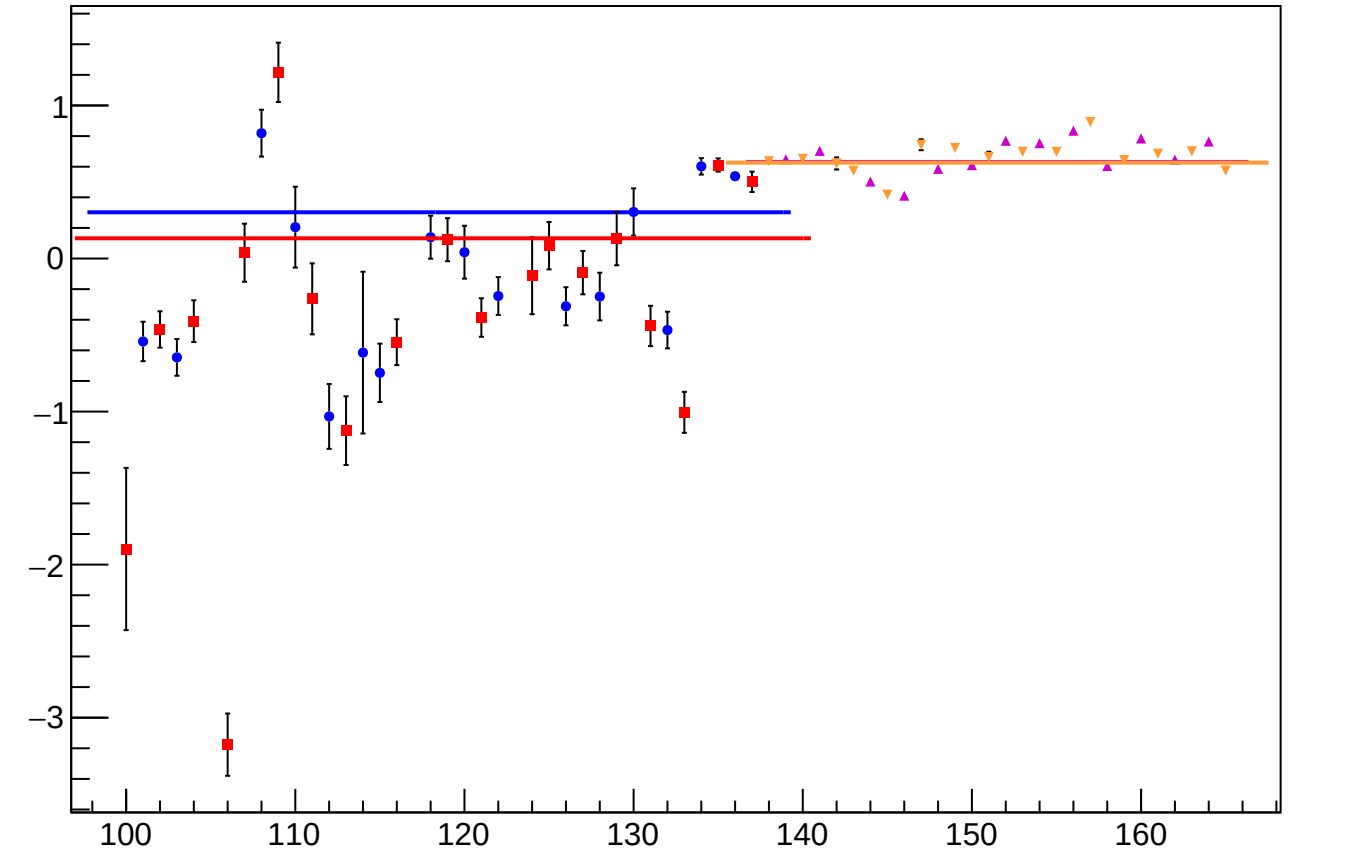
Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -35.247+/-0.141 χ^2/NDF:5801.7/12

+ sign -39.894+/-0.131 χ^2/NDF: 8017.9/30

All: -38.643+/-0.094 χ^2/NDF: 18198.2/62

- sign -37.316+/-0.135 χ^2/NDF: 9993.1/31



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.627+/-0.006 χ^2/NDF:373.3/14

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

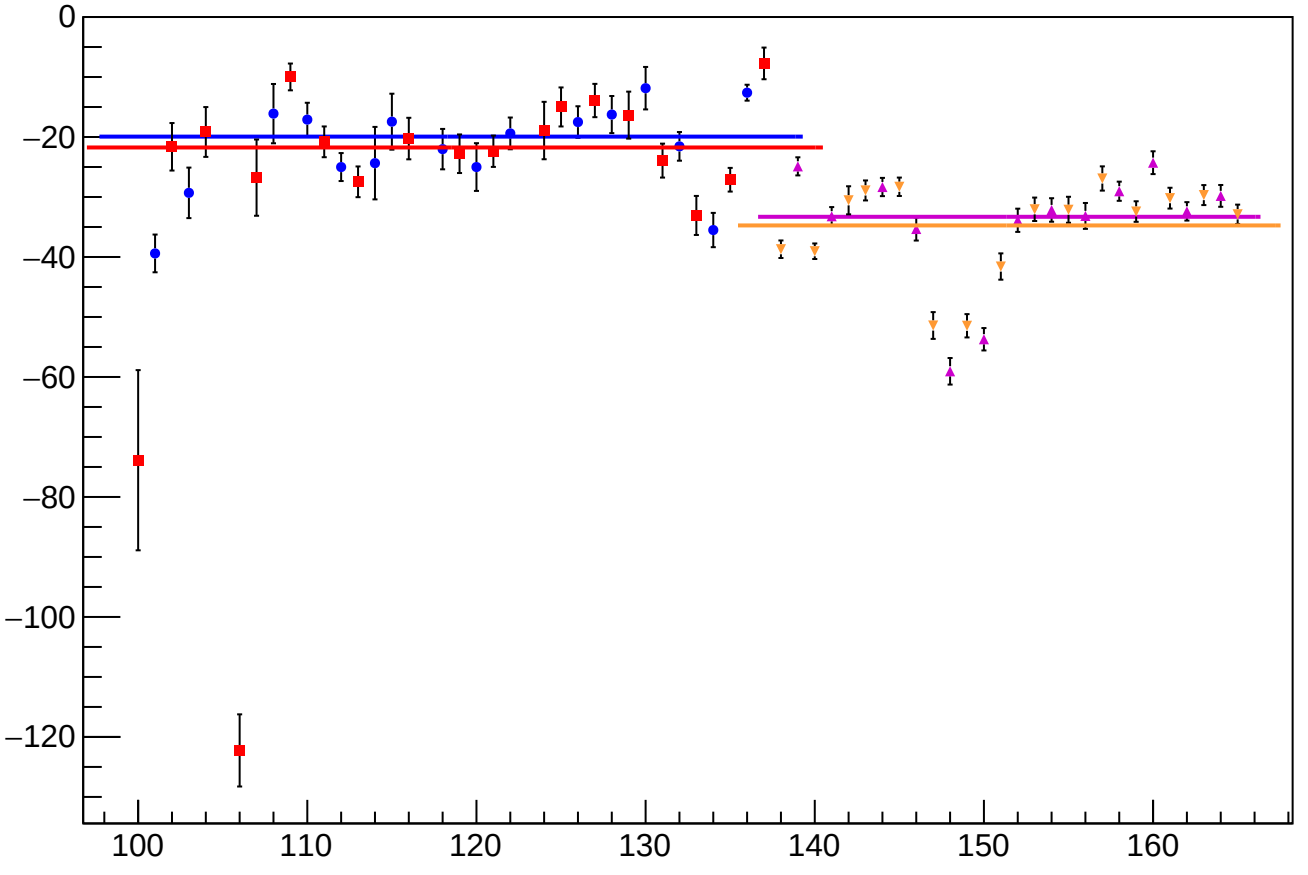
Left In: 0.631+/-0.007 χ^2/NDF:389.4/12

+ sign 0.604+/-0.006 χ^2/NDF: 933.9/30

All: 0.603+/-0.004 χ^2/NDF: 2329.2/62

- sign 0.602+/-0.006 χ^2/NDF: 1395.2/31

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.741+/-0.454 χ^2/NDF:228.8/14

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

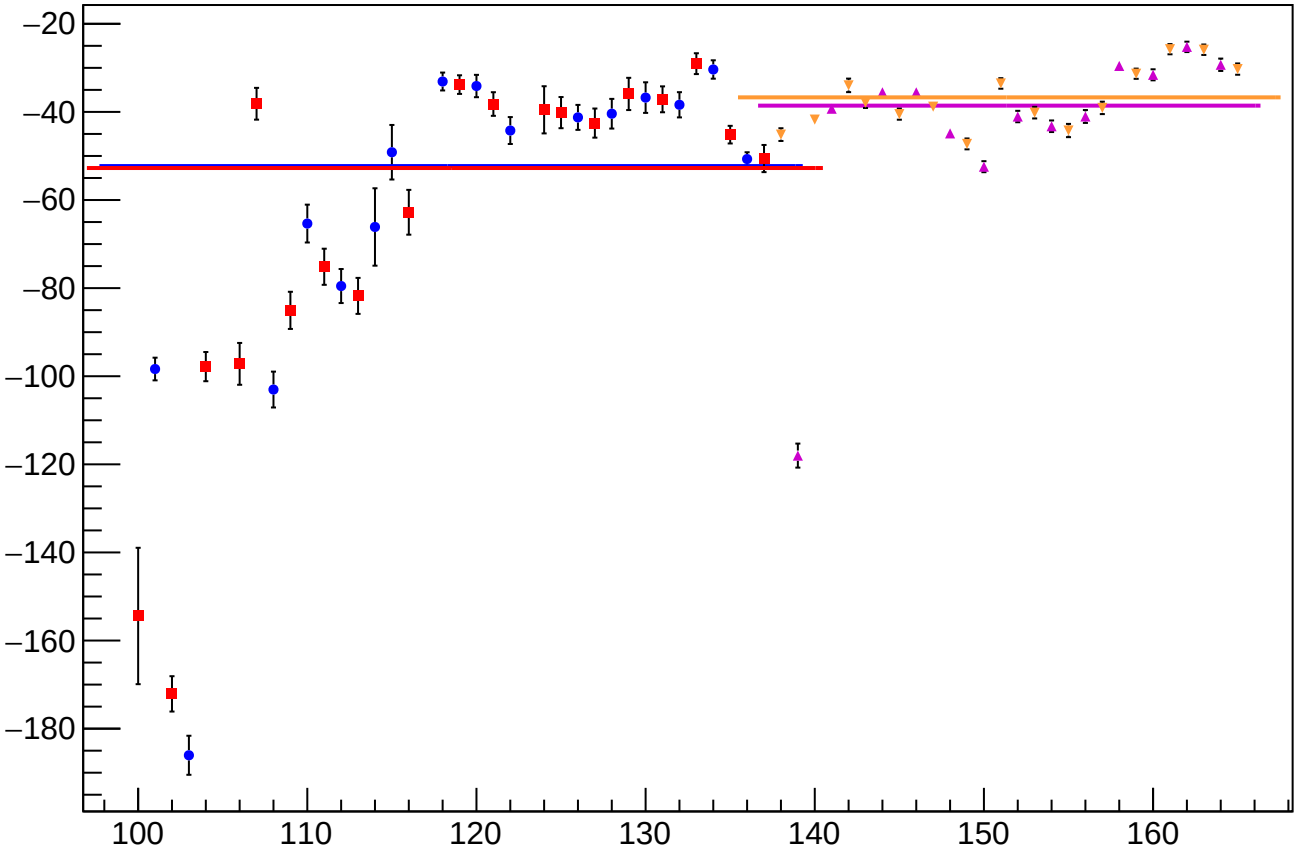
Left In: -33.301+/-0.488 χ^2/NDF:331.8/12

+ sign -30.307+/-0.380 χ^2/NDF: 667.5/30

All: -29.982+/-0.277 χ^2/NDF: 1567.8/62

- sign -29.618+/-0.403 χ^2/NDF: 898.7/31

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -36.696+/-0.321 χ^2/NDF:406.8/14

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

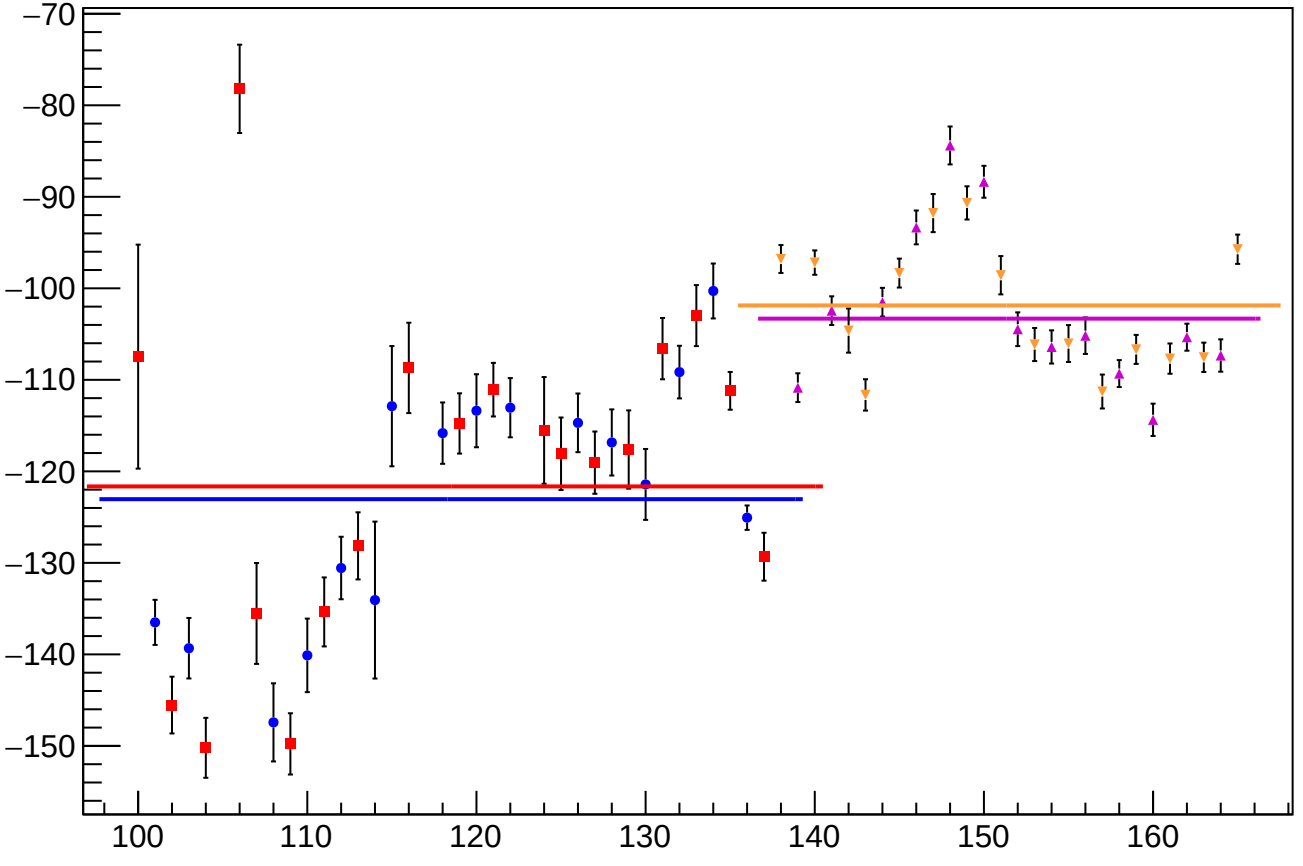
Left In: -38.576+/-0.345 χ^2/NDF:1312.5/12

+ sign -39.358+/-0.292 χ^2/NDF: 2587.5/30

All: -40.151+/-0.214 χ^2/NDF: 5873.6/62

- sign -41.061+/-0.313 χ^2/NDF: 3270.3/31

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.870+/-0.445 χ^2/NDF:210.7/14

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

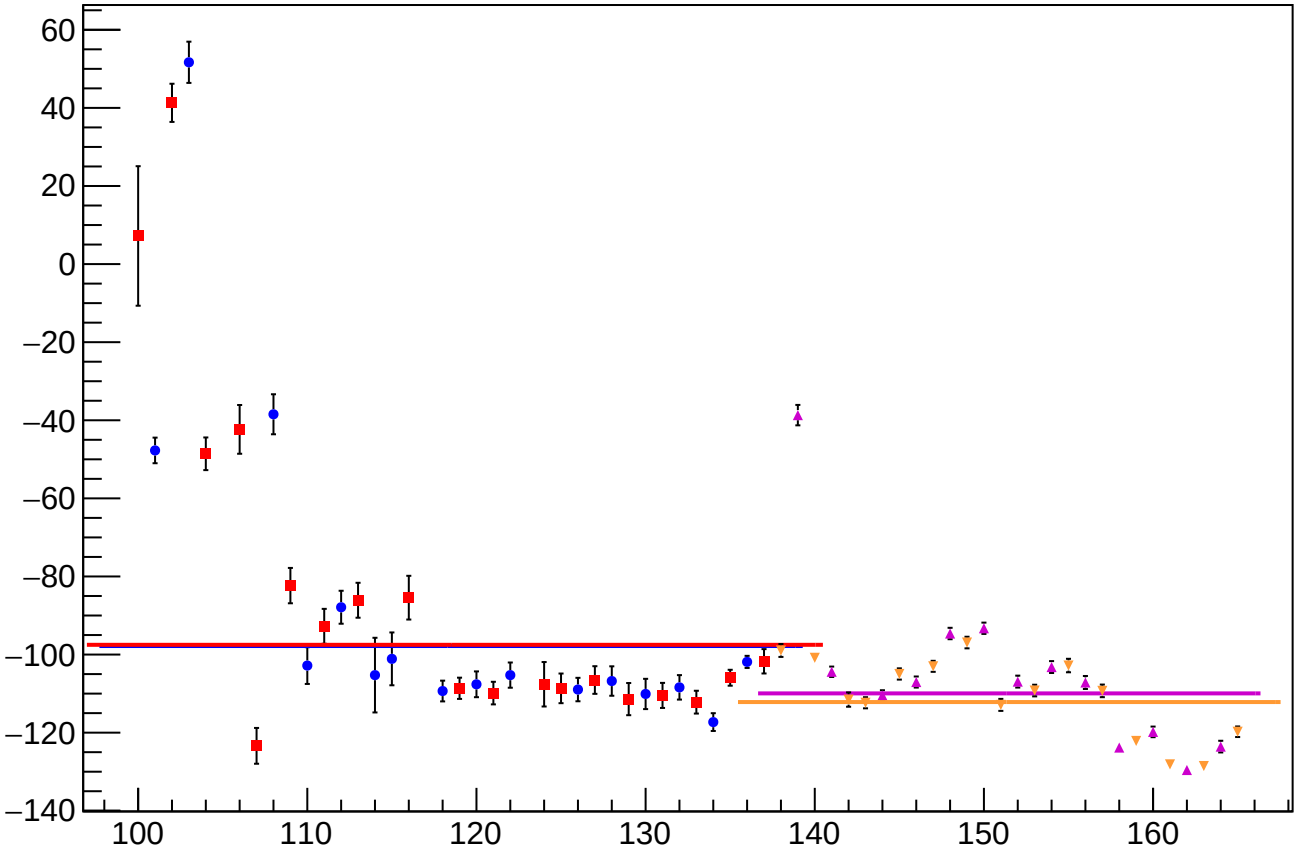
Left In: -103.314+/-0.472 χ^2/NDF:277.7/12

+ sign -107.377+/-0.383 χ^2/NDF: 1027.0/30

All: -107.689+/-0.279 χ^2/NDF: 2119.1/62

- sign -108.042+/-0.407 χ^2/NDF: 1090.7/31

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.162+/-0.370 χ^2/NDF:786.9/14

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

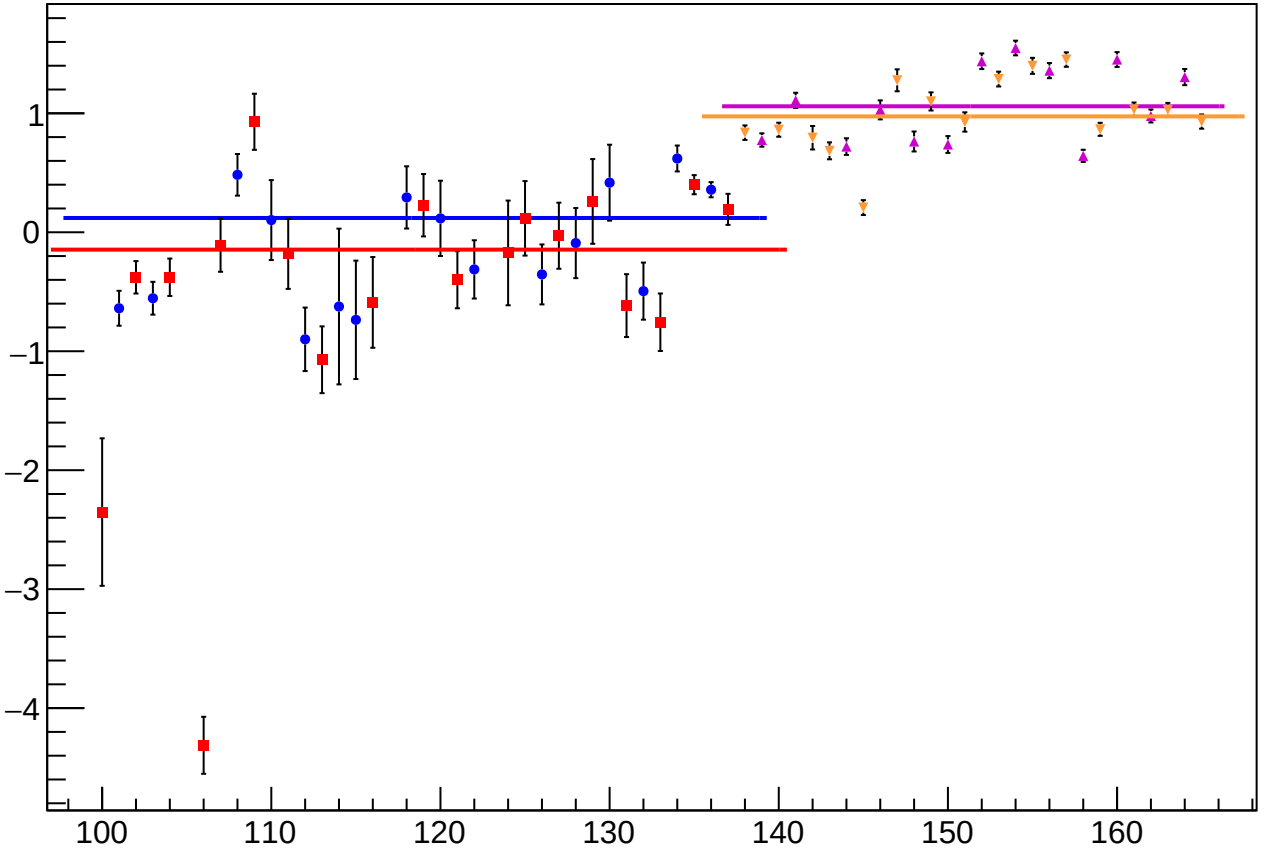
Left In: -109.944+/-0.396 χ^2/NDF:1572.2/12

+ sign -109.594+/-0.335 χ^2/NDF: 2386.5/30

All: -108.707+/-0.245 χ^2/NDF: 5388.6/62

- sign -107.693+/-0.359 χ^2/NDF: 2987.1/31

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.974+/-0.017 χ^2/NDF:325.9/14

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

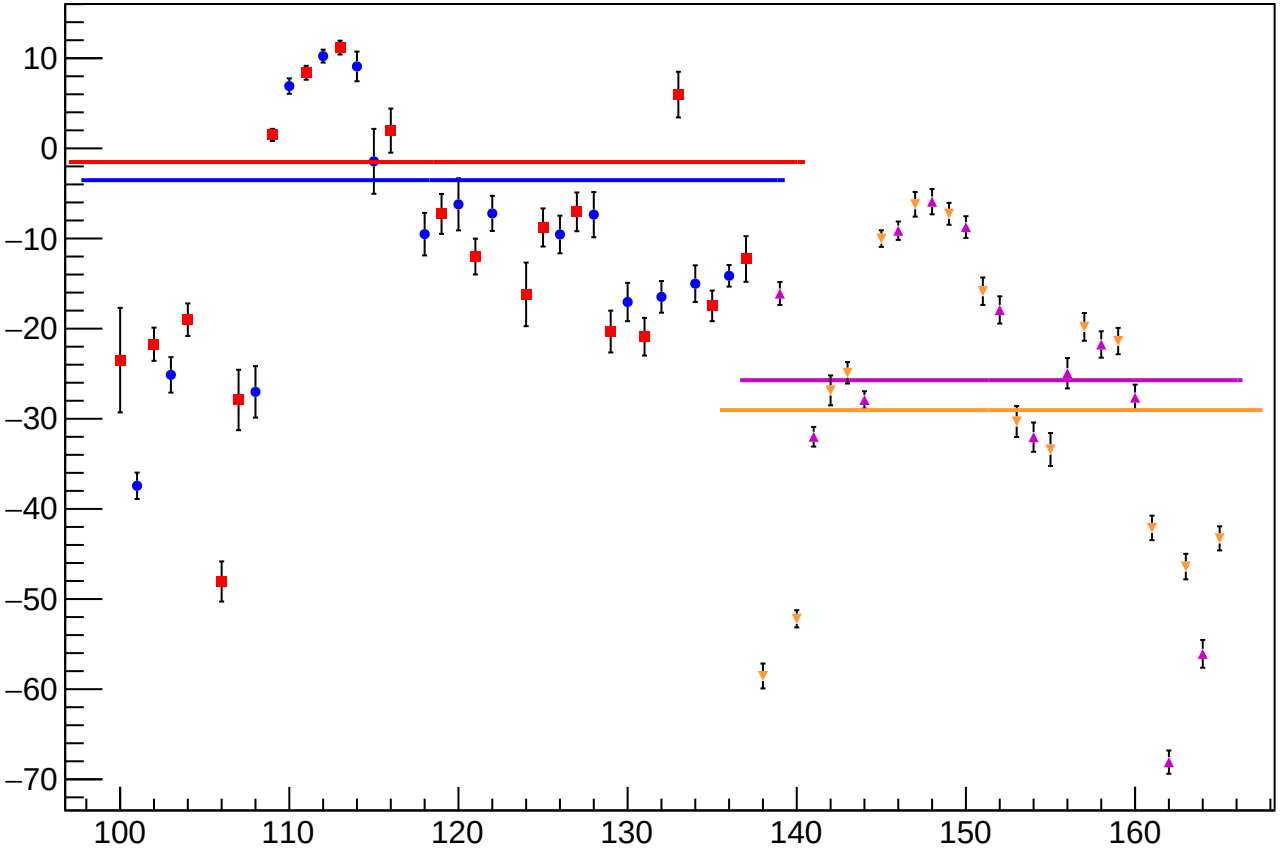
Left In: 1.059+/-0.018 χ^2/NDF:322.3/12

+ sign 0.851+/-0.016 χ^2/NDF: 817.3/30

All: 0.873+/-0.011 χ^2/NDF: 2188.4/62

- sign 0.897+/-0.016 χ^2/NDF: 1367.1/31

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -29.039+/-0.340 χ^2/NDF:2585.9/14

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

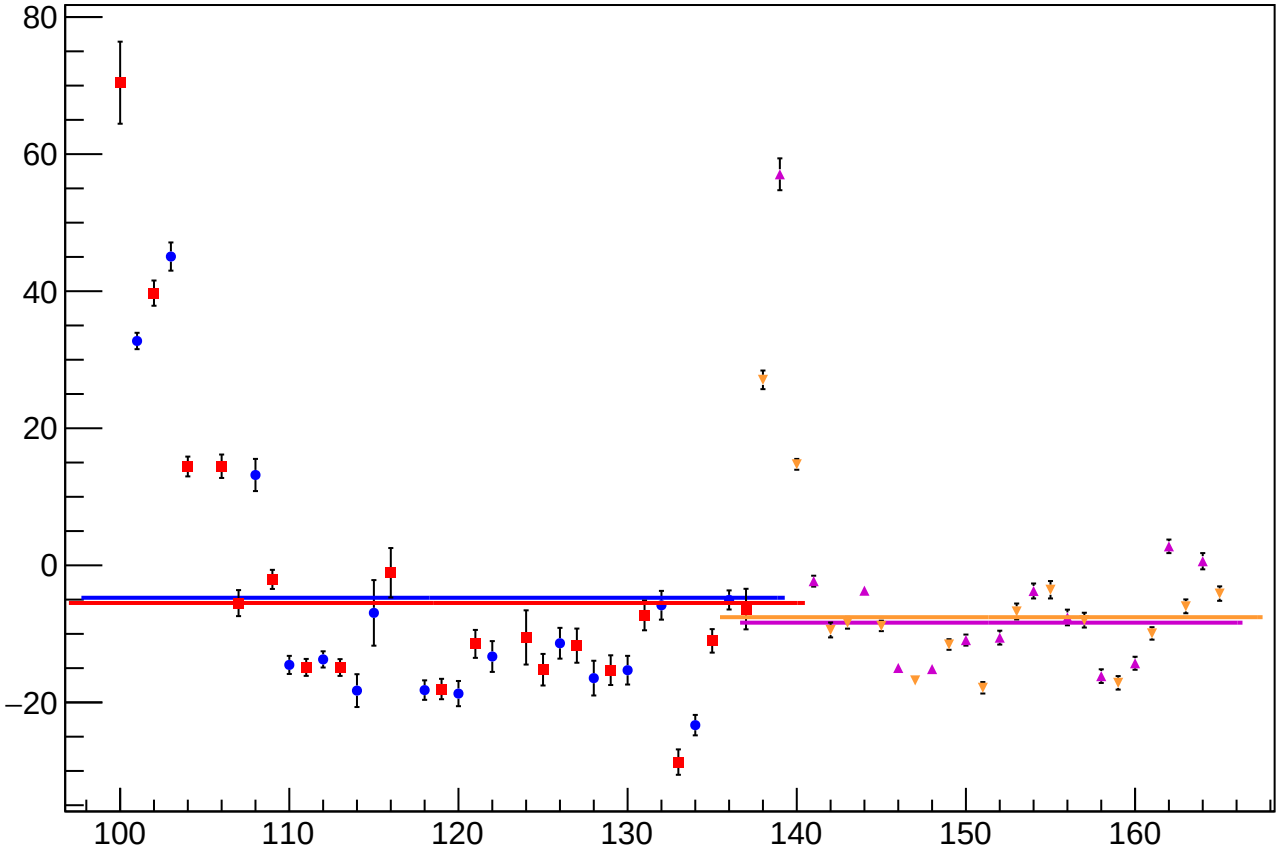
Left In: -25.719+/-0.357 χ^2/NDF:2272.7/12

+ sign -17.586+/-0.252 χ^2/NDF: 6641.6/30

All: -15.211+/-0.176 χ^2/NDF: 13030.6/62

- sign -12.961+/-0.246 χ^2/NDF: 6216.6/31

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.564+/-0.236 χ^2/NDF:1967.2/14

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

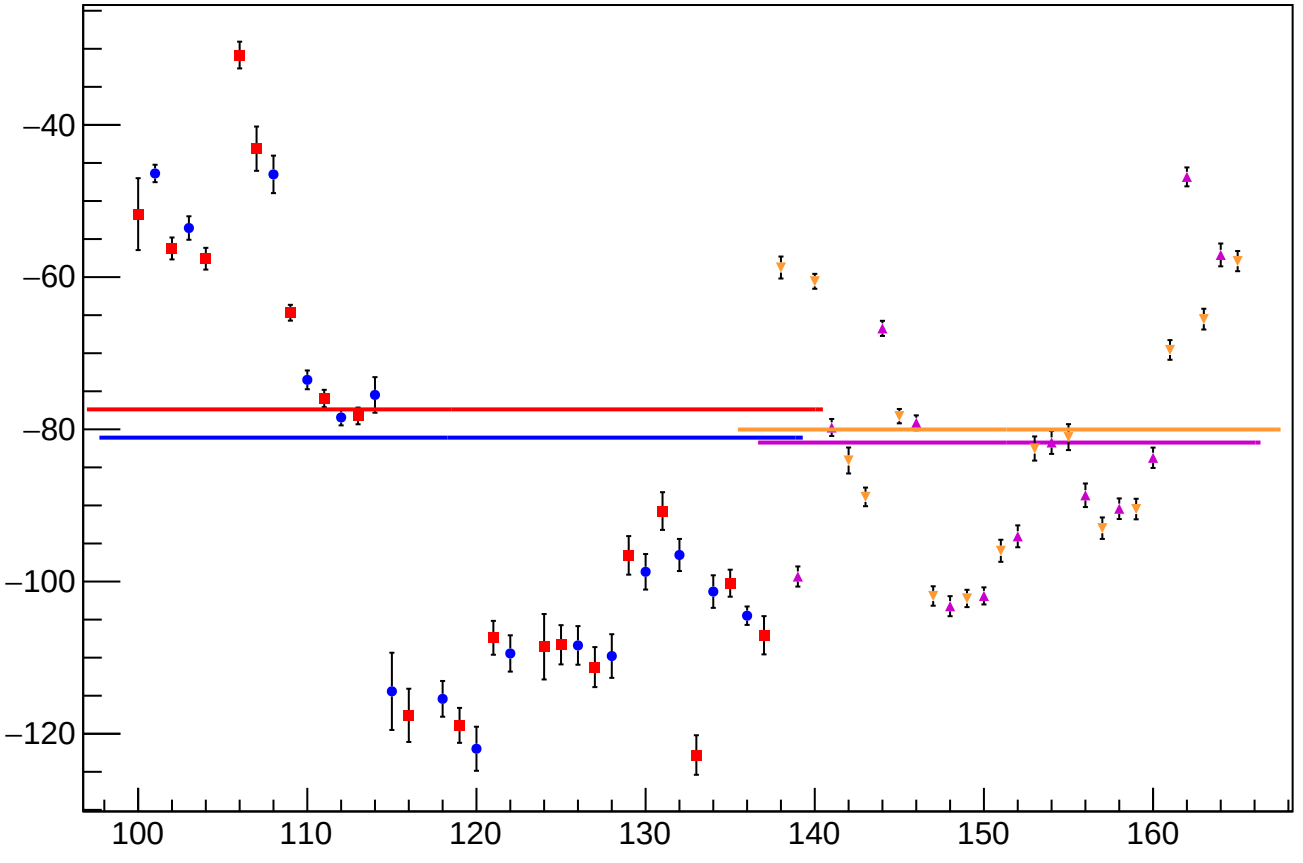
Left In: -8.365+/-0.245 χ^2/NDF:1428.9/12

+ sign -6.910+/-0.207 χ^2/NDF: 4148.5/30

All: -7.265+/-0.148 χ^2/NDF: 7126.6/62

- sign -7.639+/-0.212 χ^2/NDF: 2972.1/31

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -80.024+/-0.333 χ^2/NDF:2072.3/14

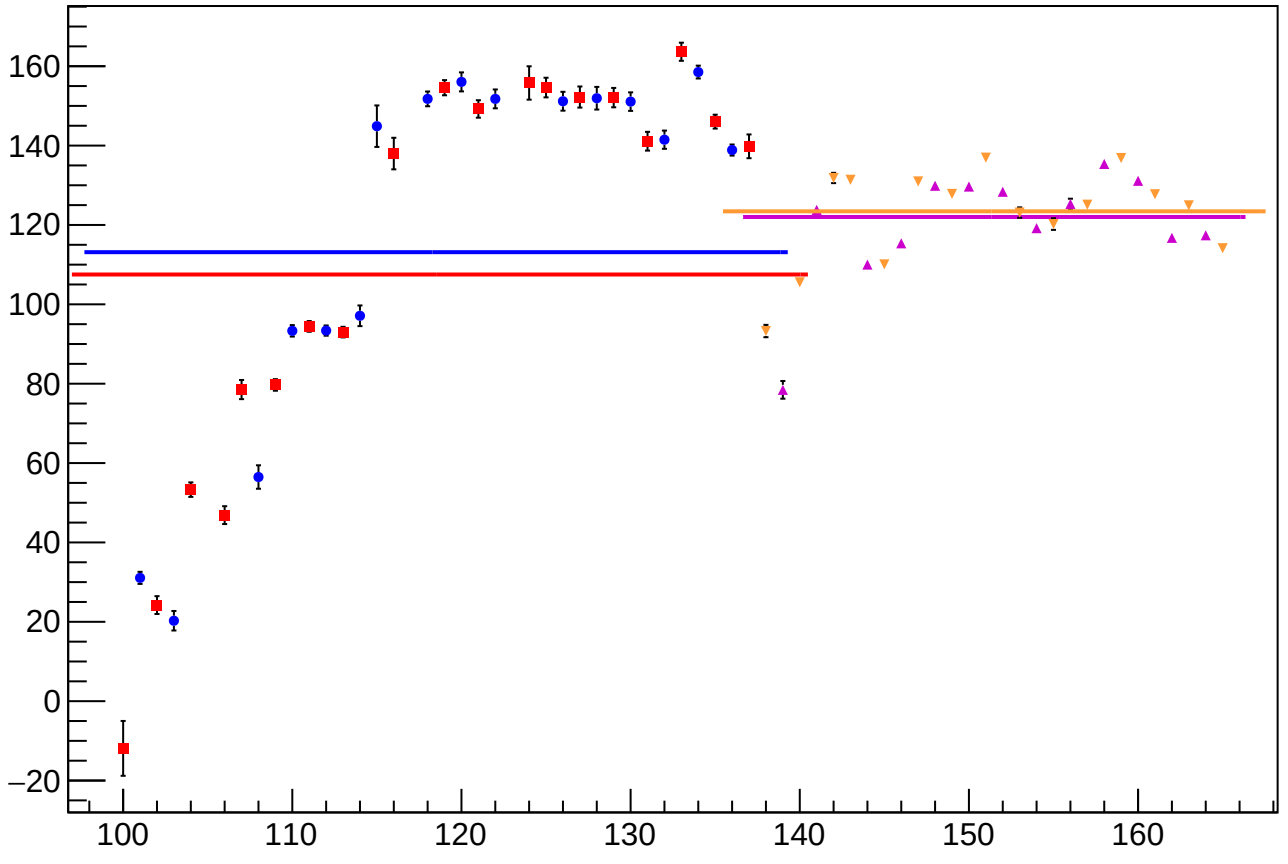
Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -81.737+/-0.347 χ^2/NDF:2198.1/12

+ sign -80.415+/-0.265 χ^2/NDF: 4946.4/30

All: -80.187+/-0.188 χ^2/NDF: 10340.3/62

- sign -79.956+/-0.266 χ^2/NDF: 5392.4/31



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 123.436+/-0.276 χ^2/NDF:1591.0/14

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

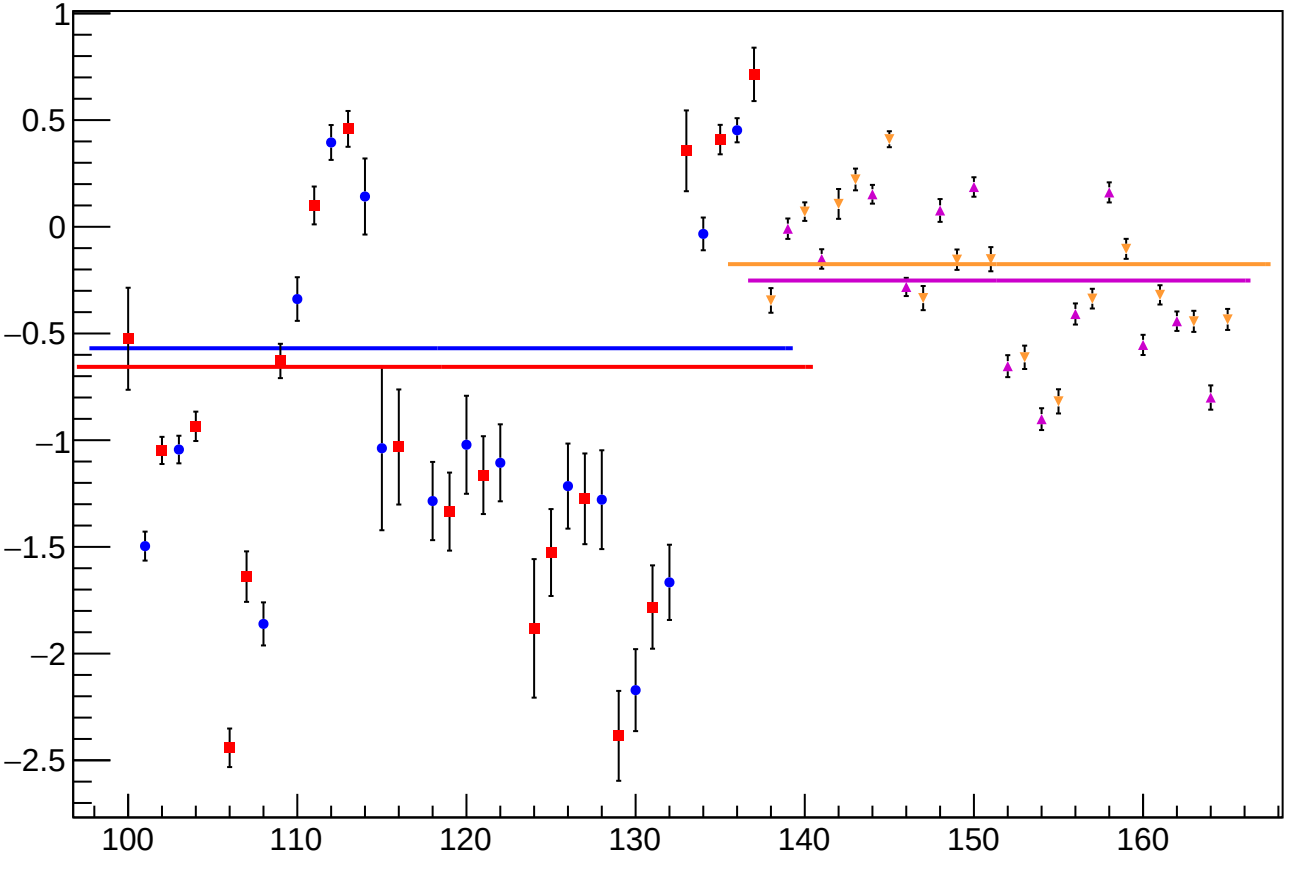
Left In: 122.010+/-0.287 χ^2/NDF:1125.9/12

+ sign 120.951+/-0.240 χ^2/NDF: 10131.2/30

All: 119.601+/-0.172 χ^2/NDF: 19538.8/62

- sign 118.182+/-0.246 χ^2/NDF: 9342.8/31

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.175+/-0.013 χ^2/NDF:644.8/14

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

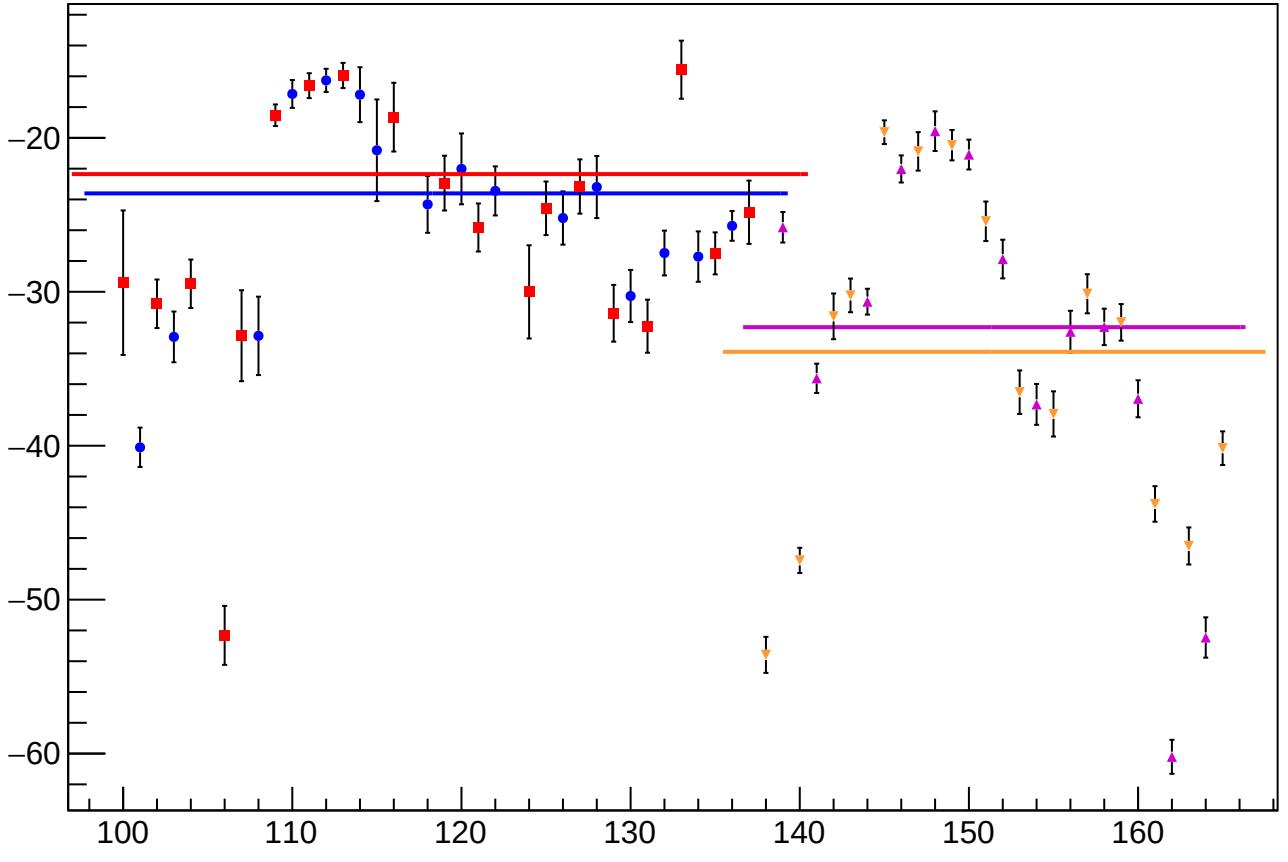
Left In: -0.252+/-0.013 χ^2/NDF:706.2/12

+ sign -0.253+/-0.011 χ^2/NDF: 1929.4/30

All: -0.295+/-0.008 χ^2/NDF: 4180.1/62

- sign -0.340+/-0.012 χ^2/NDF: 2223.0/31

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -33.899+/-0.288 χ^2/NDF:1489.4/14

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

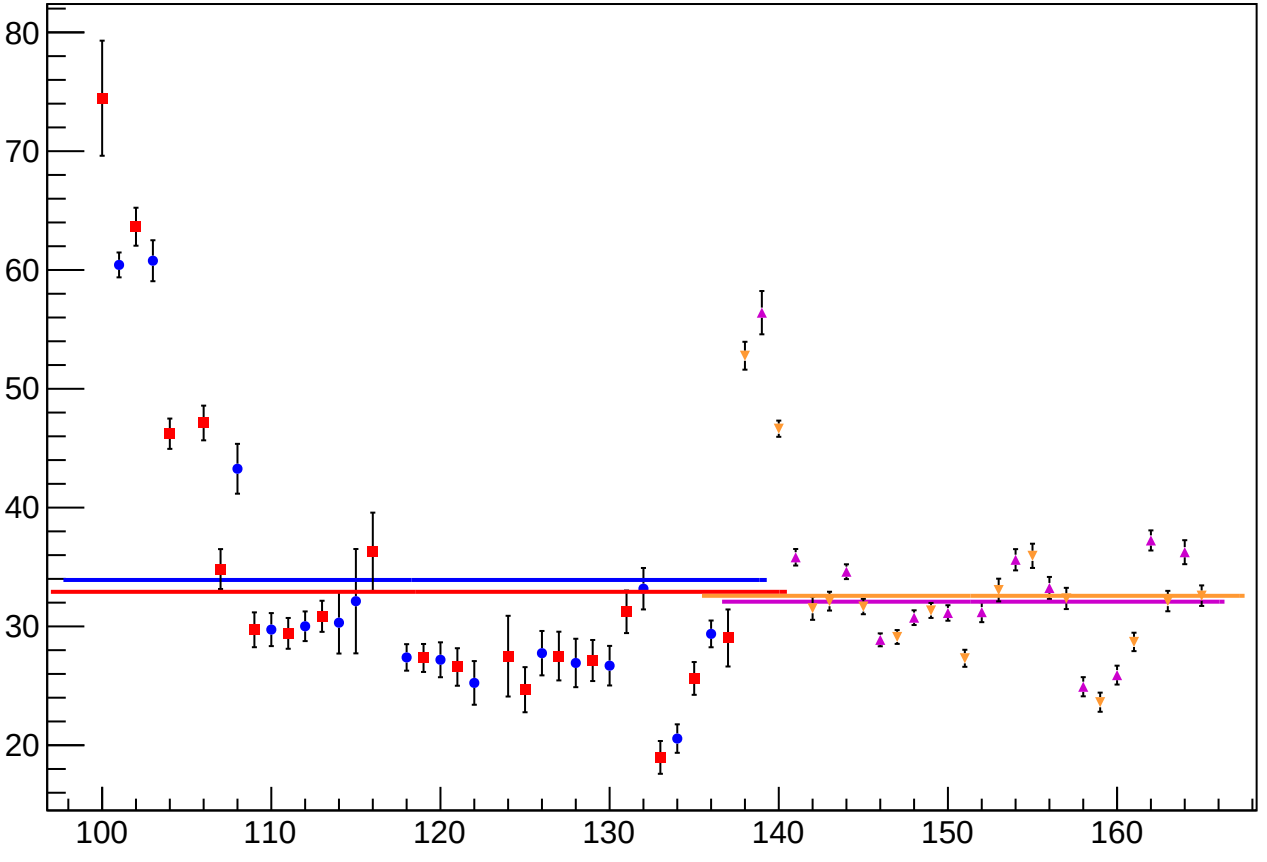
Left In: -32.297+/-0.301 χ^2/NDF:1343.8/12

+ sign -29.716+/-0.222 χ^2/NDF: 2414.2/30

All: -28.676+/-0.156 χ^2/NDF: 4862.3/62

- sign -27.656+/-0.220 χ^2/NDF: 2404.7/31

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.576+/-0.202 χ^2/NDF:978.5/14

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

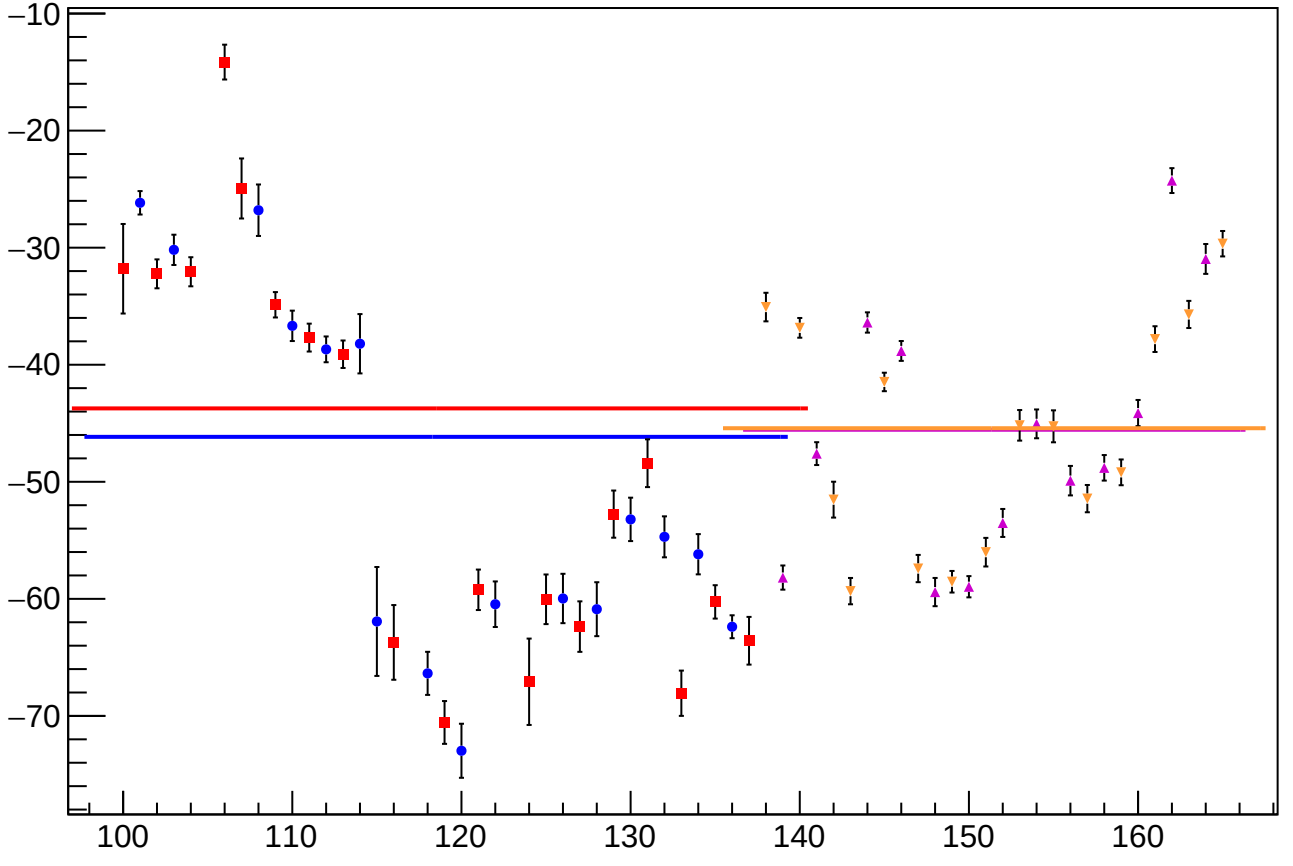
Left In: 32.080+/-0.210 χ^2/NDF:476.8/12

+ sign 32.875+/-0.178 χ^2/NDF: 2172.7/30

All: 32.587+/-0.128 χ^2/NDF: 3533.7/62

- sign 32.281+/-0.183 χ^2/NDF: 1355.6/31

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -45.424+/-0.282 χ^2/NDF:1119.8/14

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

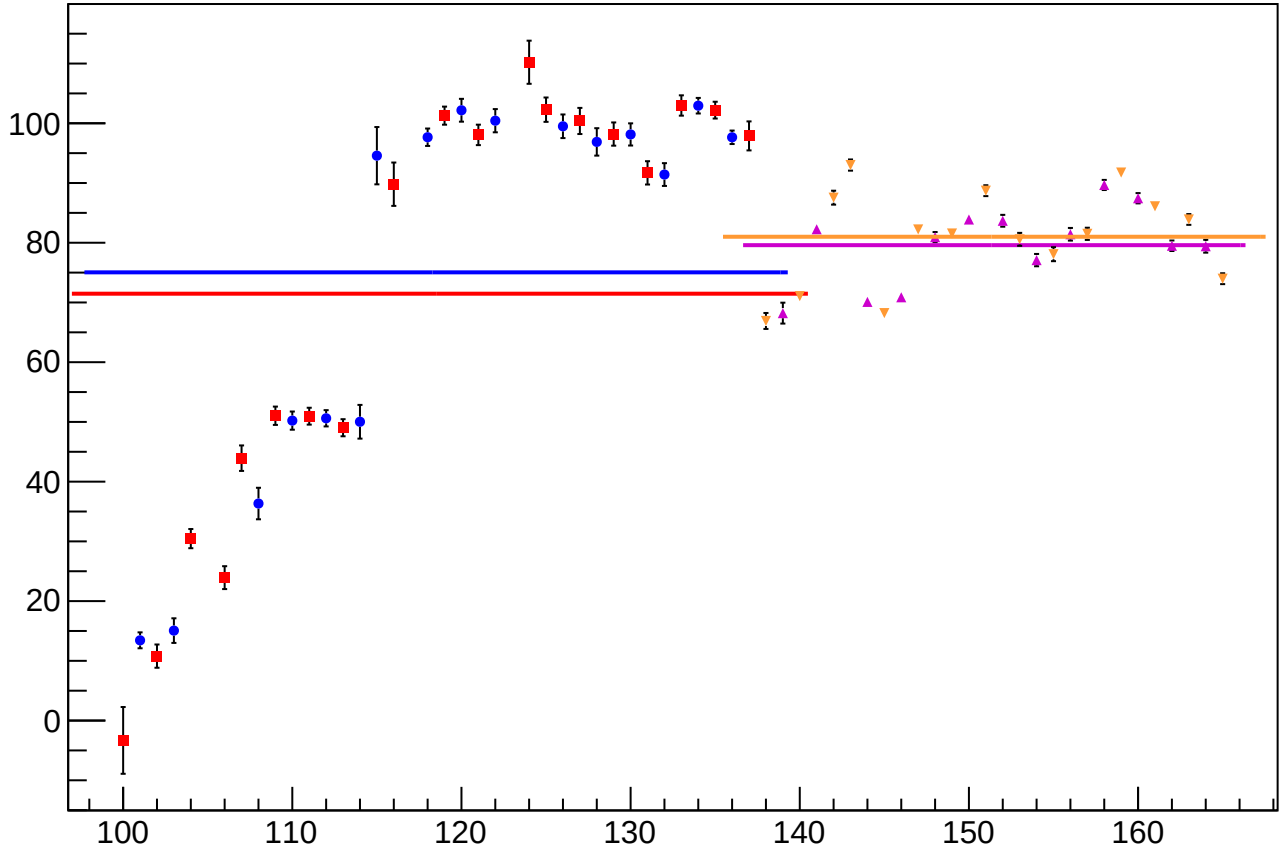
Left In: -45.553+/-0.292 χ^2/NDF:1279.2/12

+ sign -45.677+/-0.228 χ^2/NDF: 2611.8/30

All: -45.280+/-0.162 χ^2/NDF: 5575.0/62

- sign -44.873+/-0.231 χ^2/NDF: 2957.1/31

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 81.003+/-0.235 χ^2/NDF:1106.6/14

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

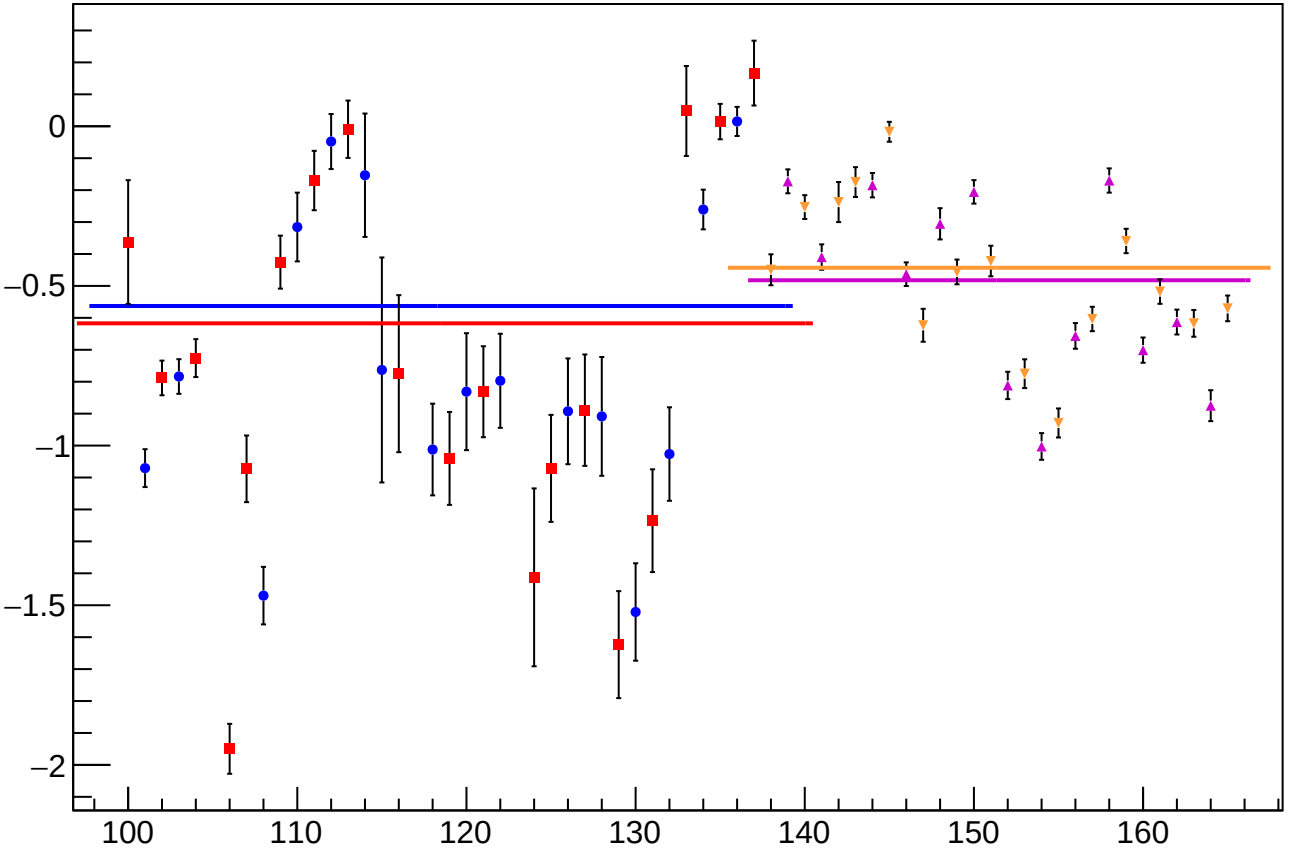
Left In: 79.594+/-0.244 χ^2/NDF:677.8/12

+ sign 79.621+/-0.206 χ^2/NDF: 7084.3/30

All: 78.631+/-0.148 χ^2/NDF: 13712.2/62

- sign 77.582+/-0.212 χ^2/NDF: 6580.1/31

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.443+/-0.011 χ^2/NDF:490.7/14

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

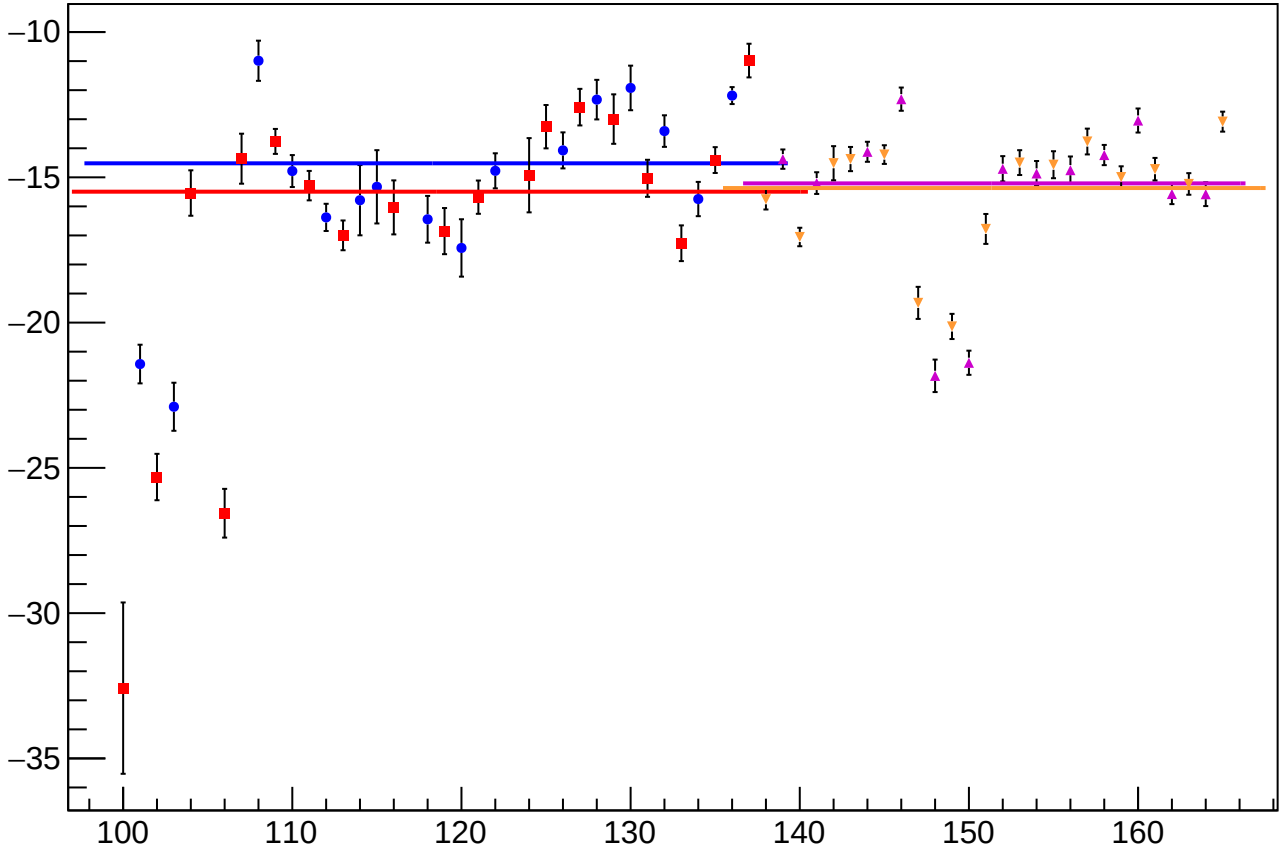
Left In: -0.482+/-0.011 χ^2/NDF:611.4/12

+ sign -0.466+/-0.010 χ^2/NDF: 1007.2/30

All: -0.487+/-0.007 χ^2/NDF: 2348.0/62

- sign -0.509+/-0.010 χ^2/NDF: 1331.0/31

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: -15.369+/-0.103 χ^2/NDF:298.0/14

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

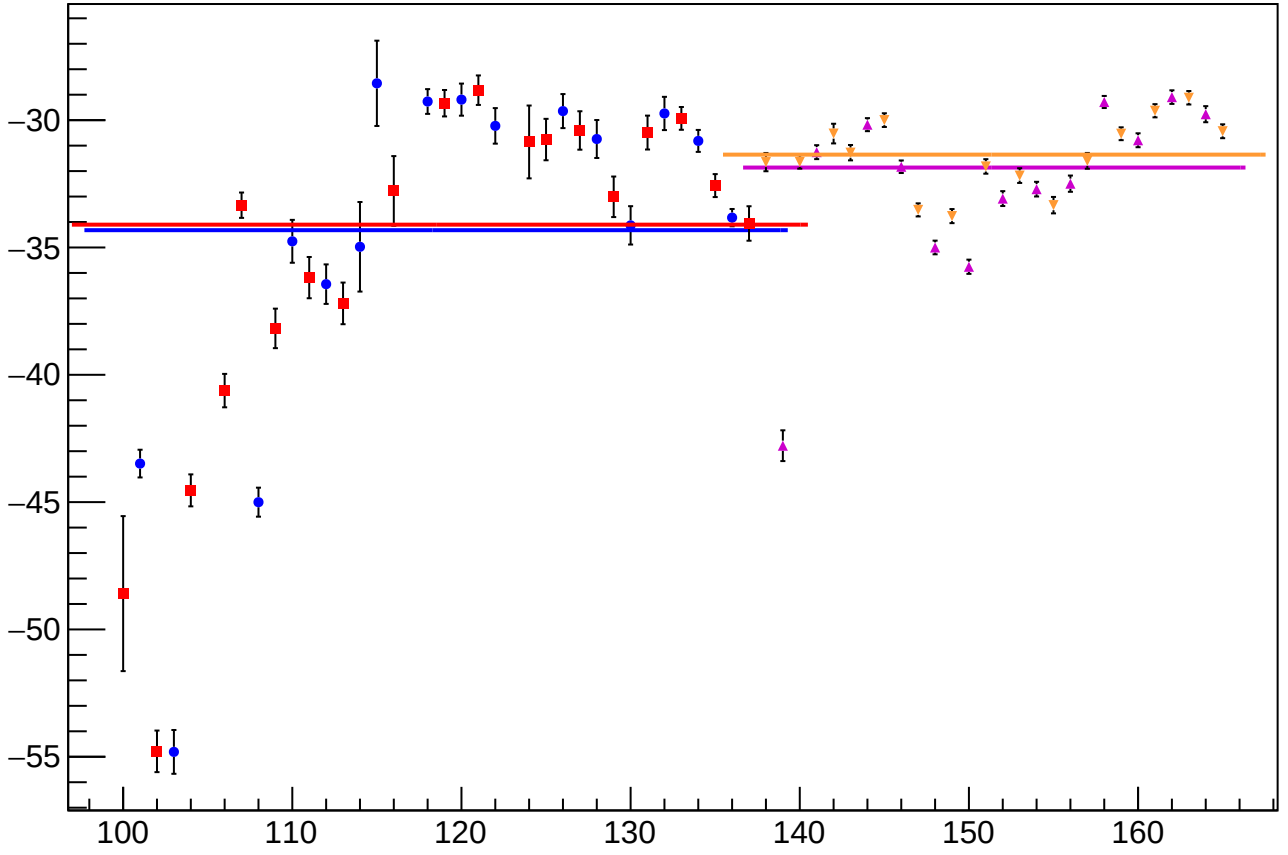
Left In: -15.208+/-0.109 χ^2/NDF:469.7/12

+ sign -15.093+/-0.085 χ^2/NDF: 683.2/30

All: -15.196+/-0.061 χ^2/NDF: 1662.2/62

- sign -15.307+/-0.088 χ^2/NDF: 975.9/31

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.353+/-0.074 χ^2/NDF:365.2/14

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

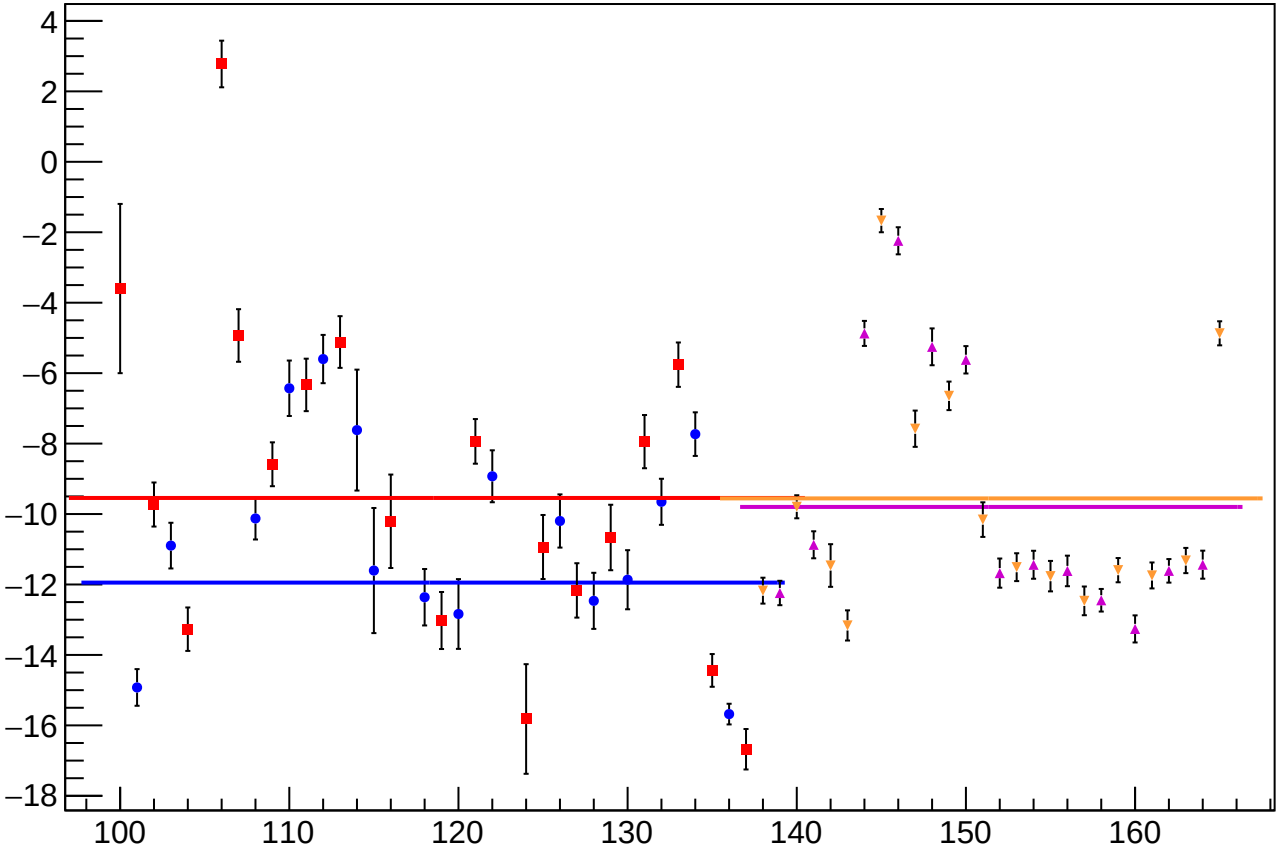
Left In: -31.861+/-0.078 χ^2/NDF:1019.8/12

+ sign -31.911+/-0.066 χ^2/NDF: 2290.2/30

All: -32.106+/-0.048 χ^2/NDF: 4931.2/62

- sign -32.321+/-0.070 χ^2/NDF: 2622.8/31

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: -9.556+/-0.101 χ^2/NDF:1155.2/14

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

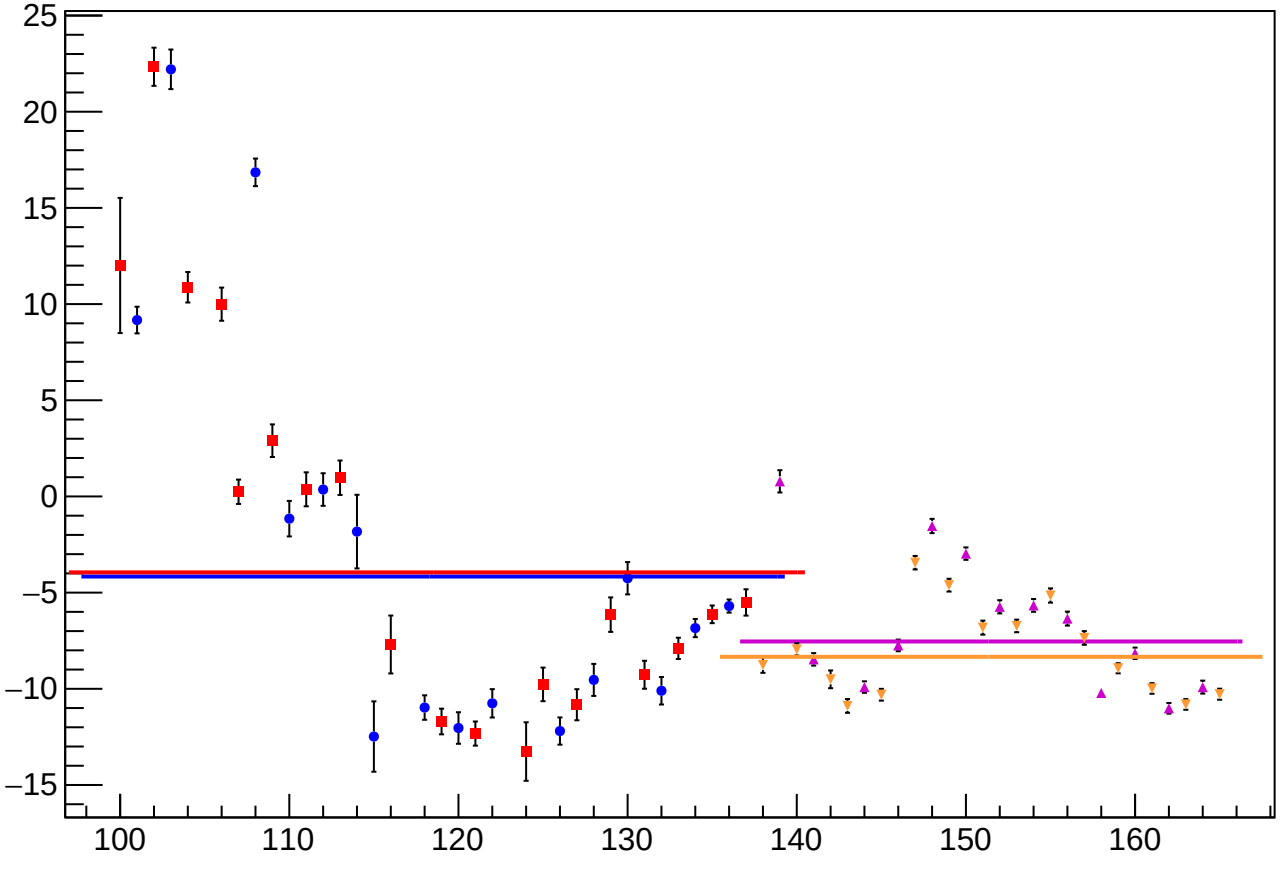
Left In: -9.798+/-0.106 χ^2/NDF:1077.7/12

+ sign -10.236+/-0.085 χ^2/NDF: 1744.7/30

All: -9.991+/-0.062 χ^2/NDF: 3688.4/62

- sign -9.724+/-0.089 χ^2/NDF: 1926.5/31

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.337+/-0.084 χ^2/NDF:710.2/14

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

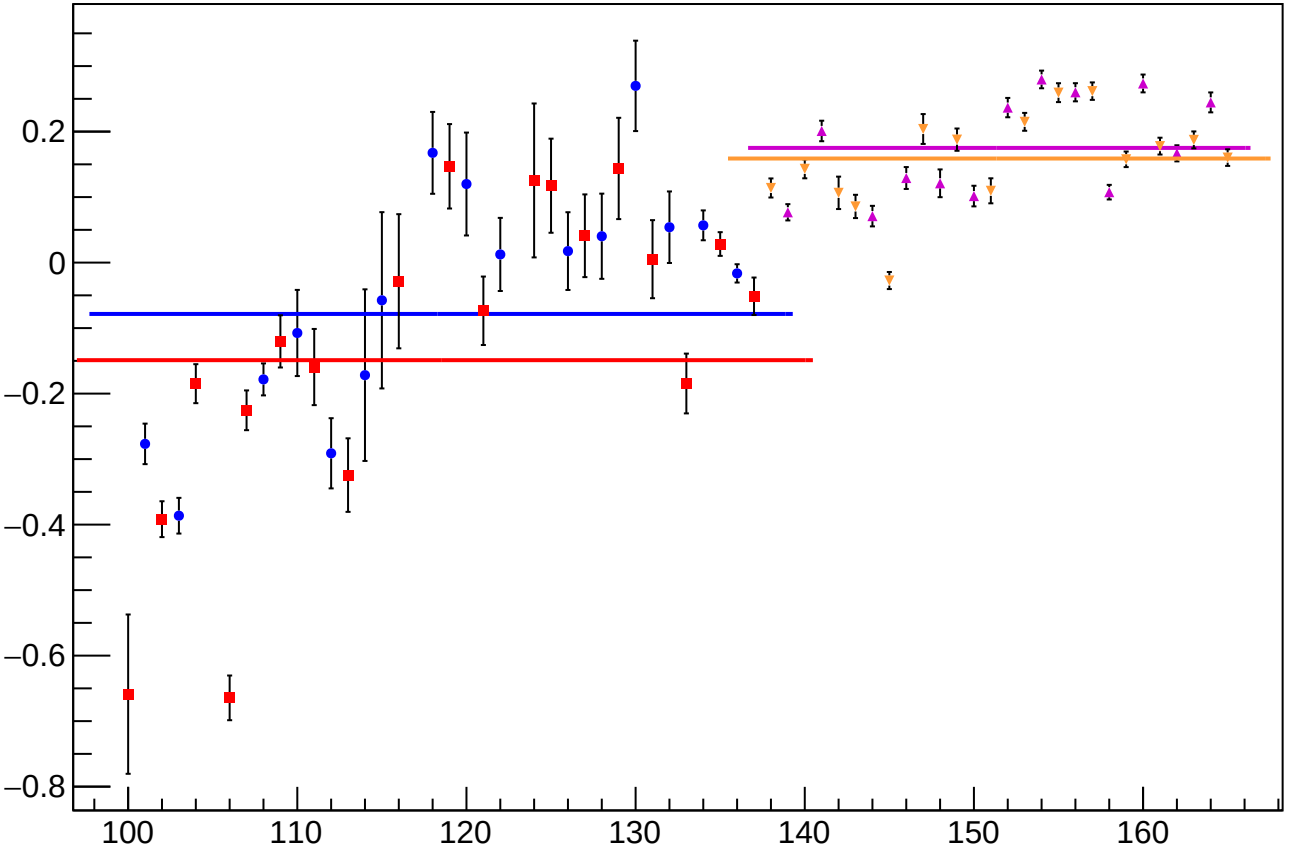
Left In: -7.540+/-0.089 χ^2/NDF:1135.9/12

+ sign -7.529+/-0.076 χ^2/NDF: 3710.6/30

All: -7.185+/-0.055 χ^2/NDF: 7331.5/62

- sign -6.806+/-0.080 χ^2/NDF: 3577.6/31

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: 0.159+/-0.004 χ^2/NDF:381.7/14

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

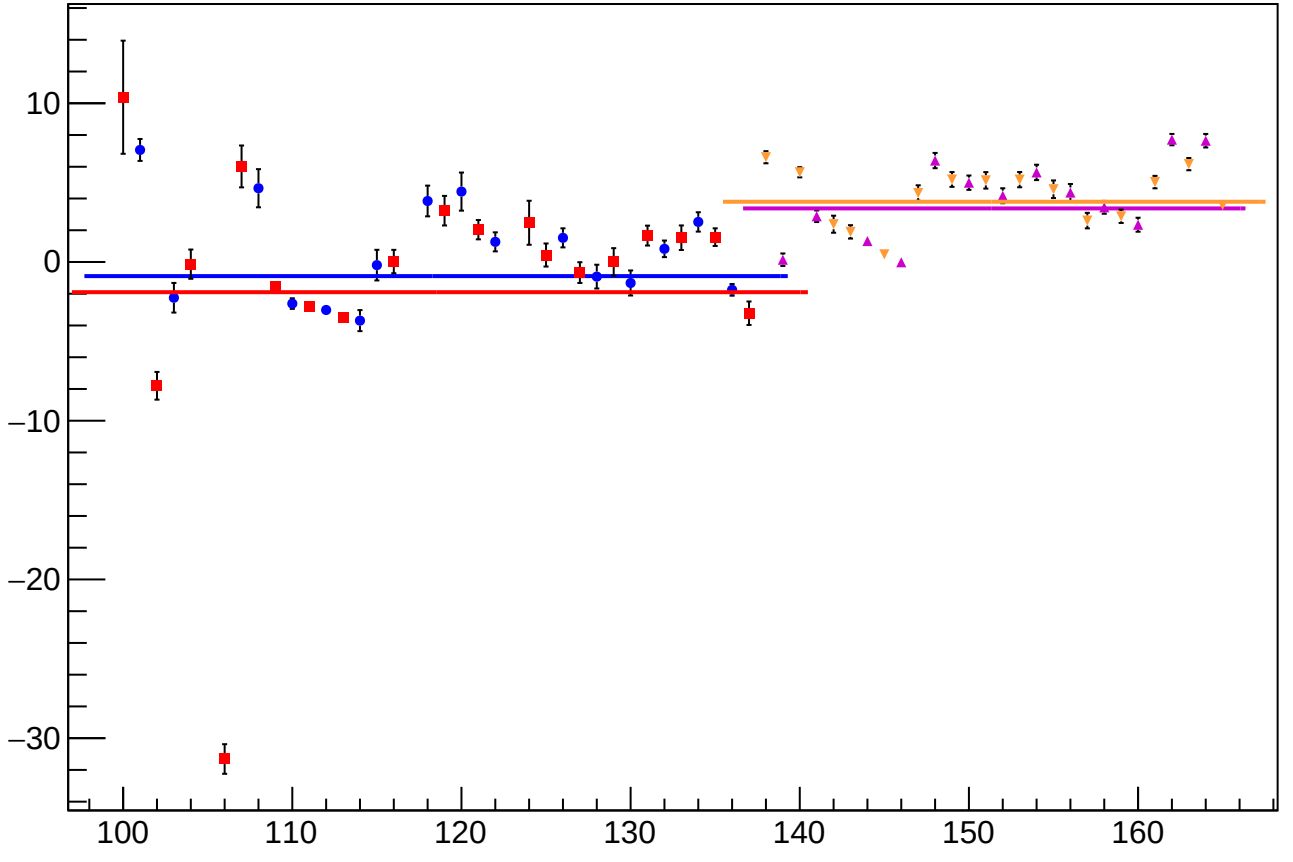
Left In: 0.175+/-0.004 χ^2/NDF:370.5/12

+ sign 0.120+/-0.003 χ^2/NDF: 1341.4/30

All: 0.122+/-0.003 χ^2/NDF: 3309.4/62

- sign 0.123+/-0.004 χ^2/NDF: 1967.5/31

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.796+/-0.102 χ^2/NDF:384.0/14

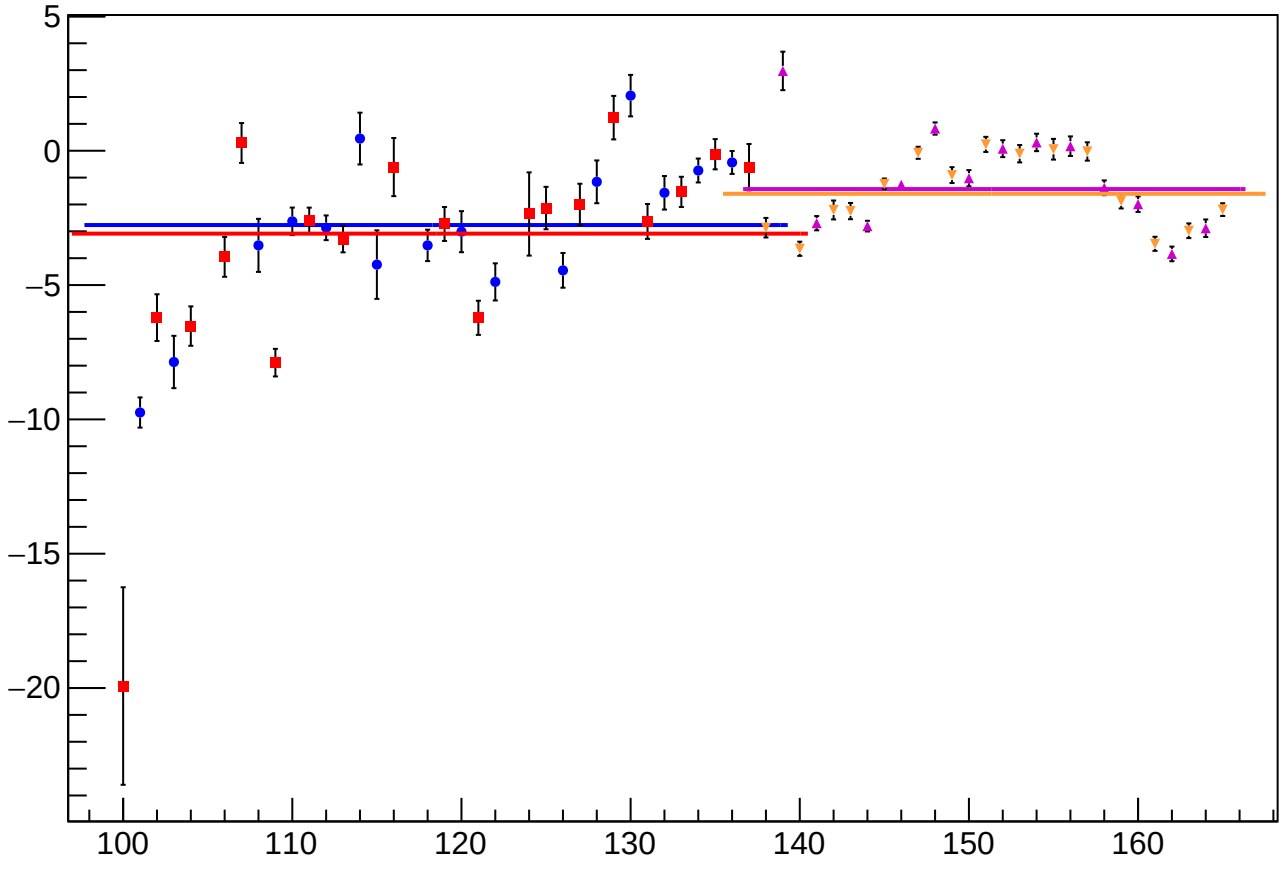
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.375+/-0.109 χ^2/NDF:586.7/12

+ sign 2.120+/-0.082 χ^2/NDF: 1519.7/30

All: 1.653+/-0.058 χ^2/NDF: 4489.6/62

- sign 1.172+/-0.083 χ^2/NDF: 2903.7/31



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.603+/-0.072 χ^2/NDF:321.0/14

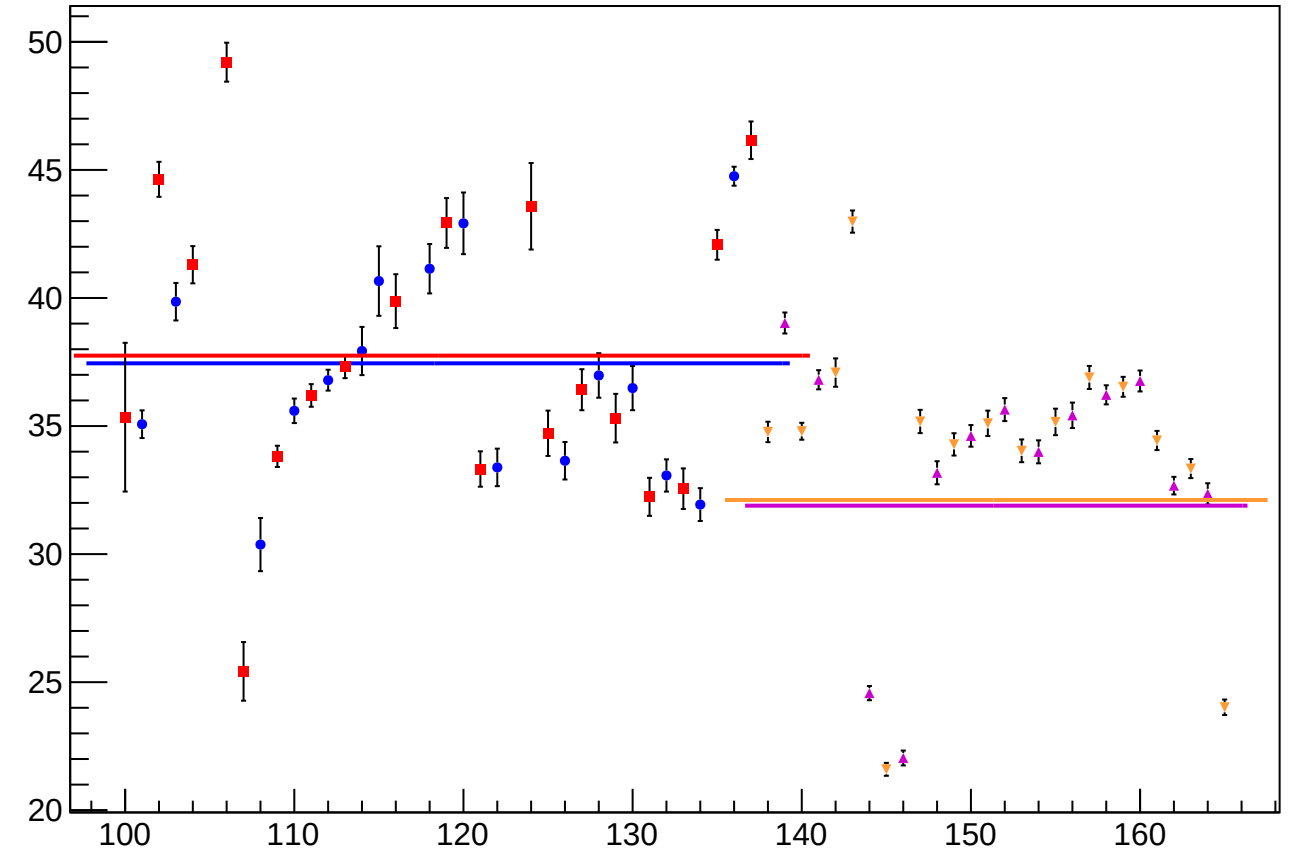
Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.427+/-0.075 χ^2/NDF:381.1/12

+ sign -1.807+/-0.065 χ^2/NDF: 676.7/30

All: -1.771+/-0.047 χ^2/NDF: 1421.4/62

- sign -1.733+/-0.068 χ^2/NDF: 744.1/31



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 32.113+/-0.100 χ^2/NDF:3722.7/14

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

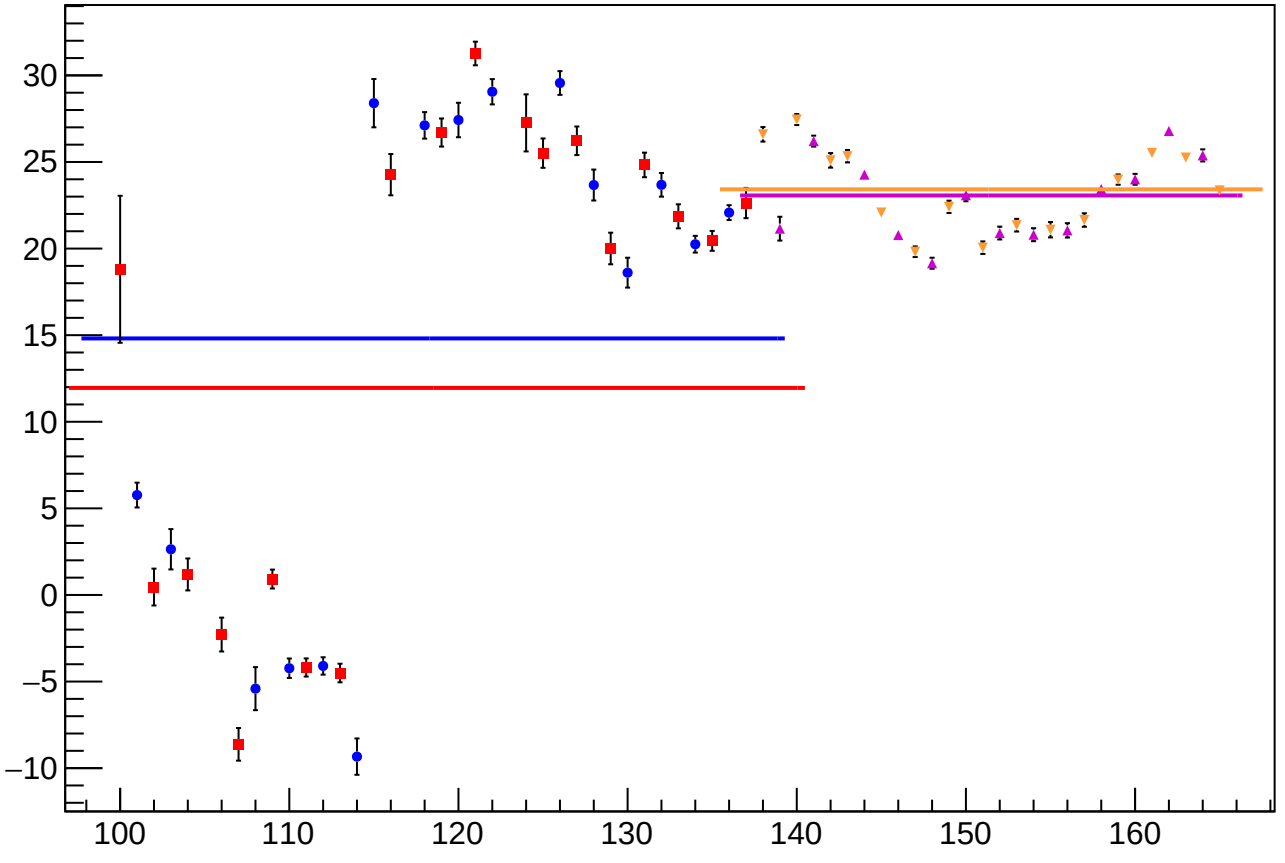
Left In: 31.892+/-0.105 χ^2/NDF:2797.0/12

+ sign 33.607+/-0.085 χ^2/NDF: 5223.1/30

All: 33.640+/-0.061 χ^2/NDF: 9922.9/62

- sign 33.675+/-0.088 χ^2/NDF: 4699.5/31

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.421+/-0.083 χ^2/NDF:707.5/14

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

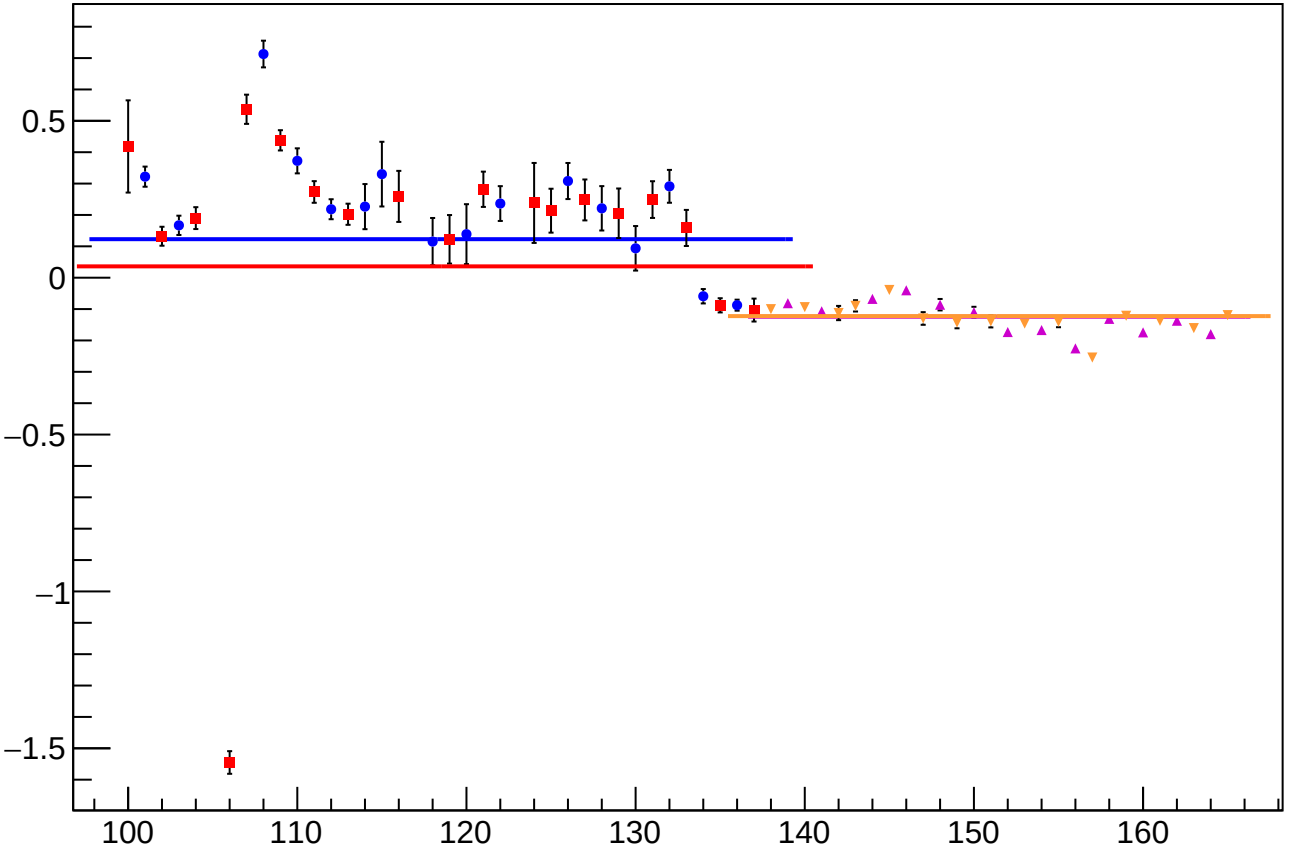
Left In: 23.067+/-0.087 χ^2/NDF:710.8/12

+ sign 21.823+/-0.075 χ^2/NDF: 8390.2/30

All: 21.379+/-0.054 χ^2/NDF: 18457.0/62

- sign 20.895+/-0.078 χ^2/NDF: 9993.3/31

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: -0.122+/-0.004 χ^2/NDF:174.6/14

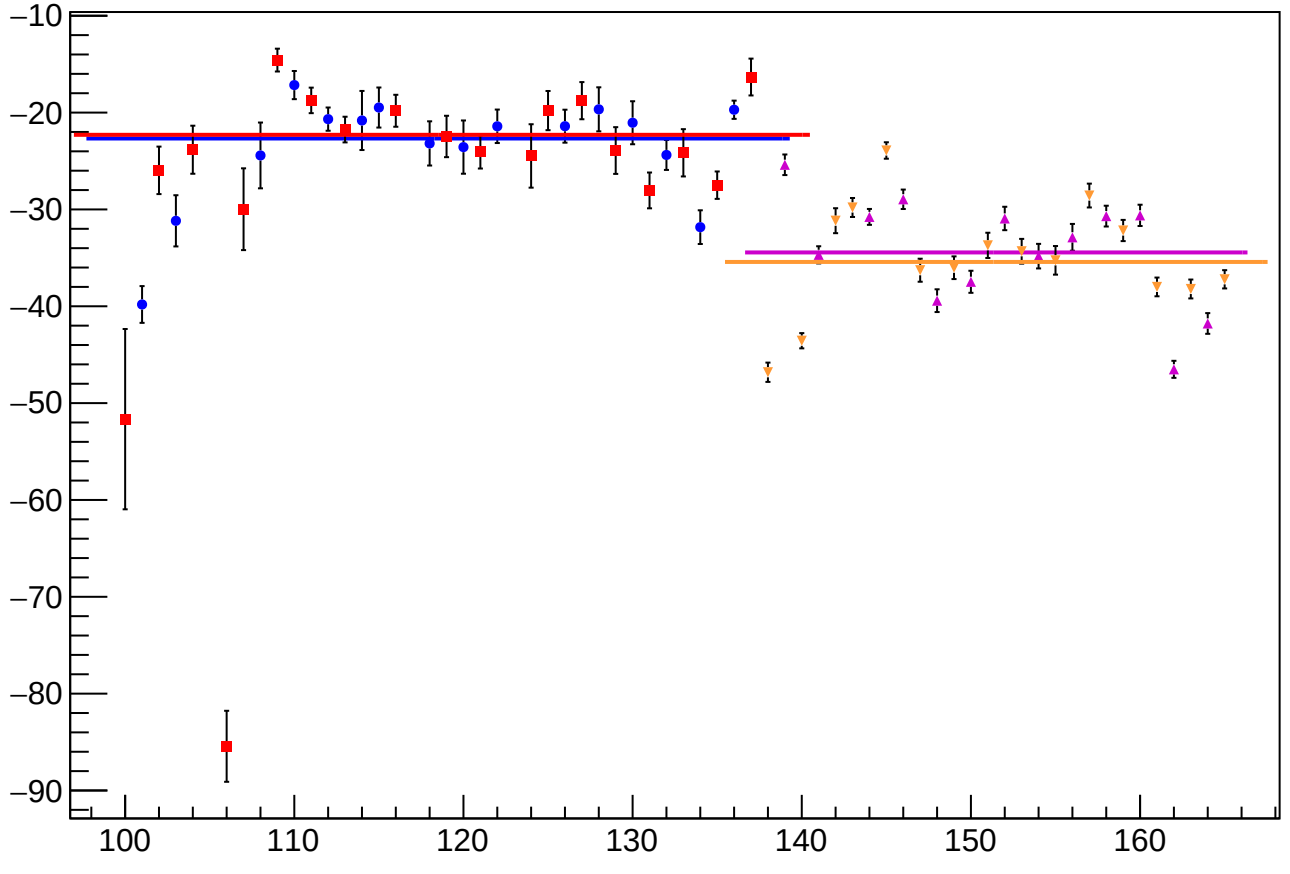
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.124+/-0.004 χ^2/NDF:164.7/12

+ sign -0.088+/-0.004 χ^2/NDF: 1278.1/30

All: -0.094+/-0.003 χ^2/NDF: 4094.2/62

- sign -0.101+/-0.004 χ^2/NDF: 2809.7/31



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.422+/-0.272 χ^2/NDF:527.3/14

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

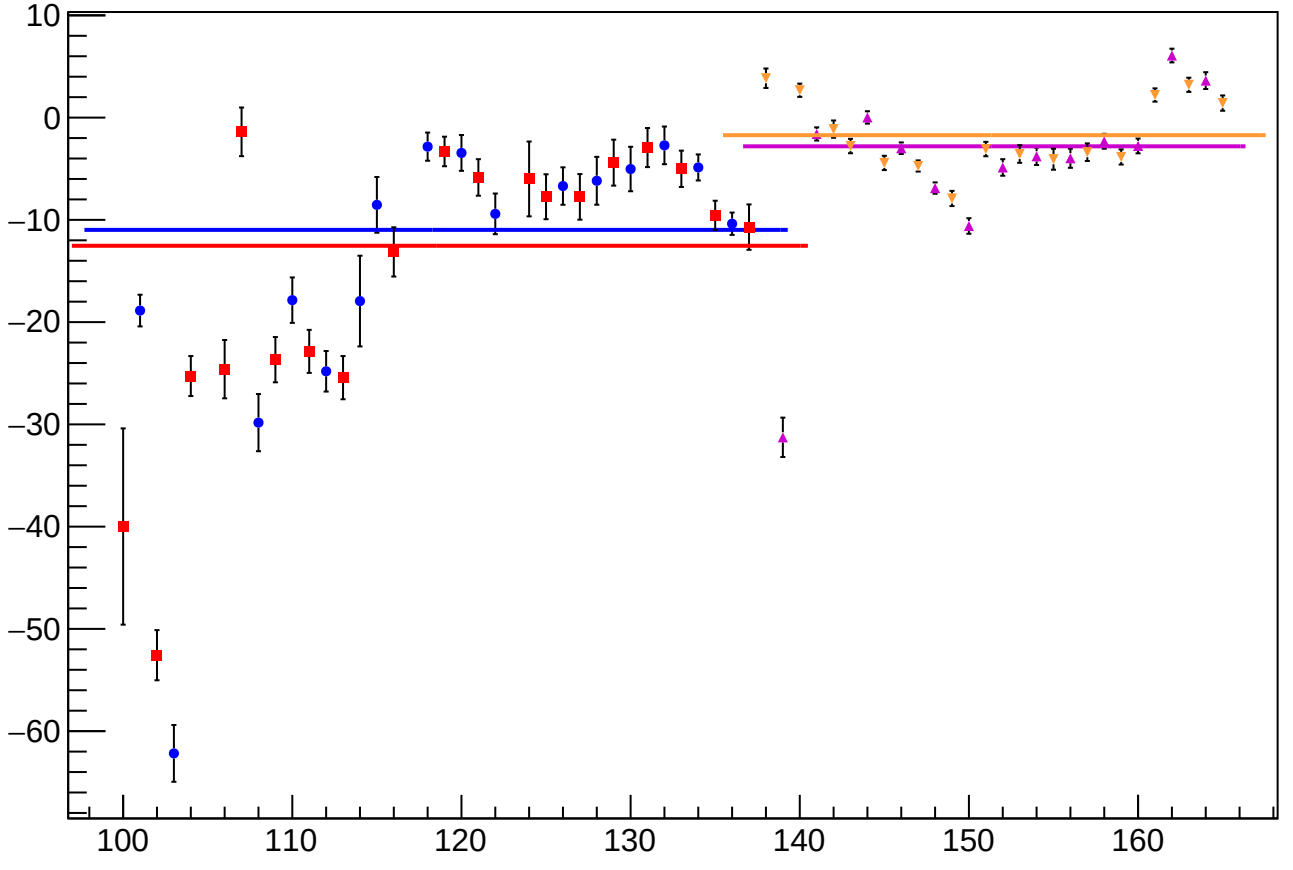
Left In: -34.441+/-0.291 χ^2/NDF:417.5/12

+ sign -31.828+/-0.231 χ^2/NDF: 1299.7/30

All: -31.286+/-0.167 χ^2/NDF: 2672.8/62

- sign -30.692+/-0.242 χ^2/NDF: 1361.6/31

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: -1.719+/-0.189 χ^2/NDF:328.3/14

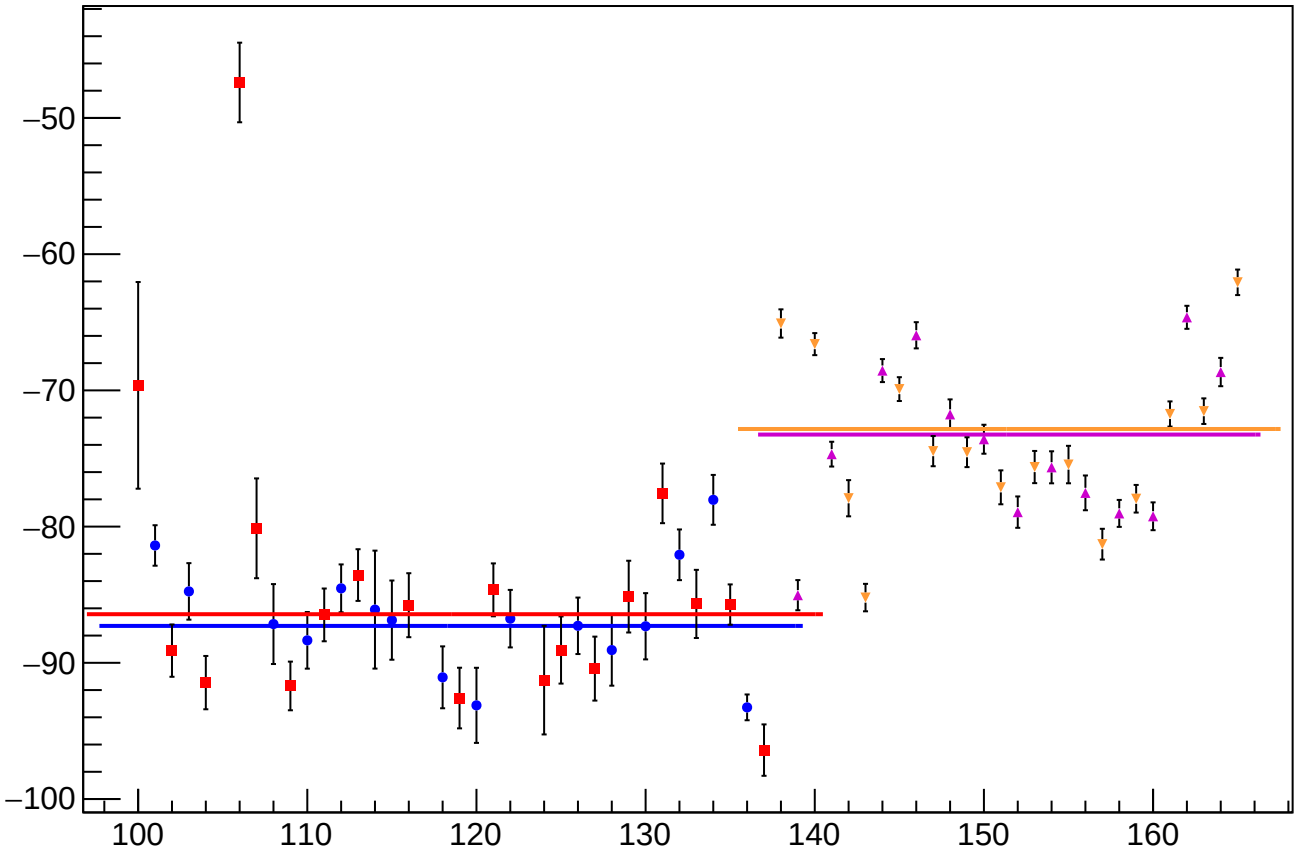
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.807+/-0.200 χ^2/NDF:648.6/12

\+ sign -3.096+/-0.175 χ^2/NDF: 1270.7/30

All: -3.636+/-0.127 χ^2/NDF: 2860.4/62

\- sign -4.237+/-0.185 χ^2/NDF: 1569.5/31



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.834+/-0.267 χ^2/NDF:534.2/14

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

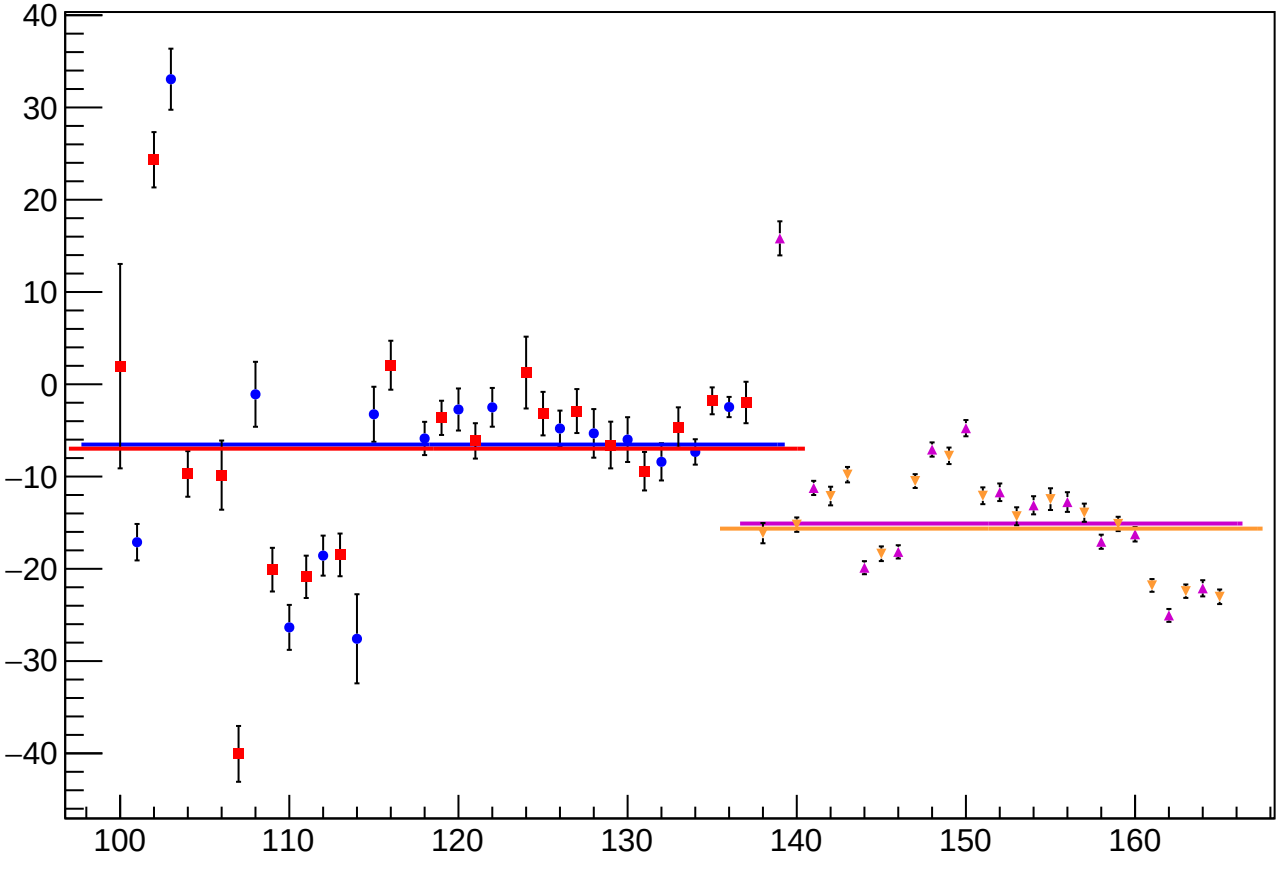
Left In: -73.244+/-0.282 χ^2/NDF:437.9/12

+ sign -76.239+/-0.233 χ^2/NDF: 1327.1/30

All: -76.298+/-0.169 χ^2/NDF: 2548.7/62

- sign -76.362+/-0.246 χ^2/NDF: 1221.5/31

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -15.644+/-0.220 χ^2/NDF:479.5/14

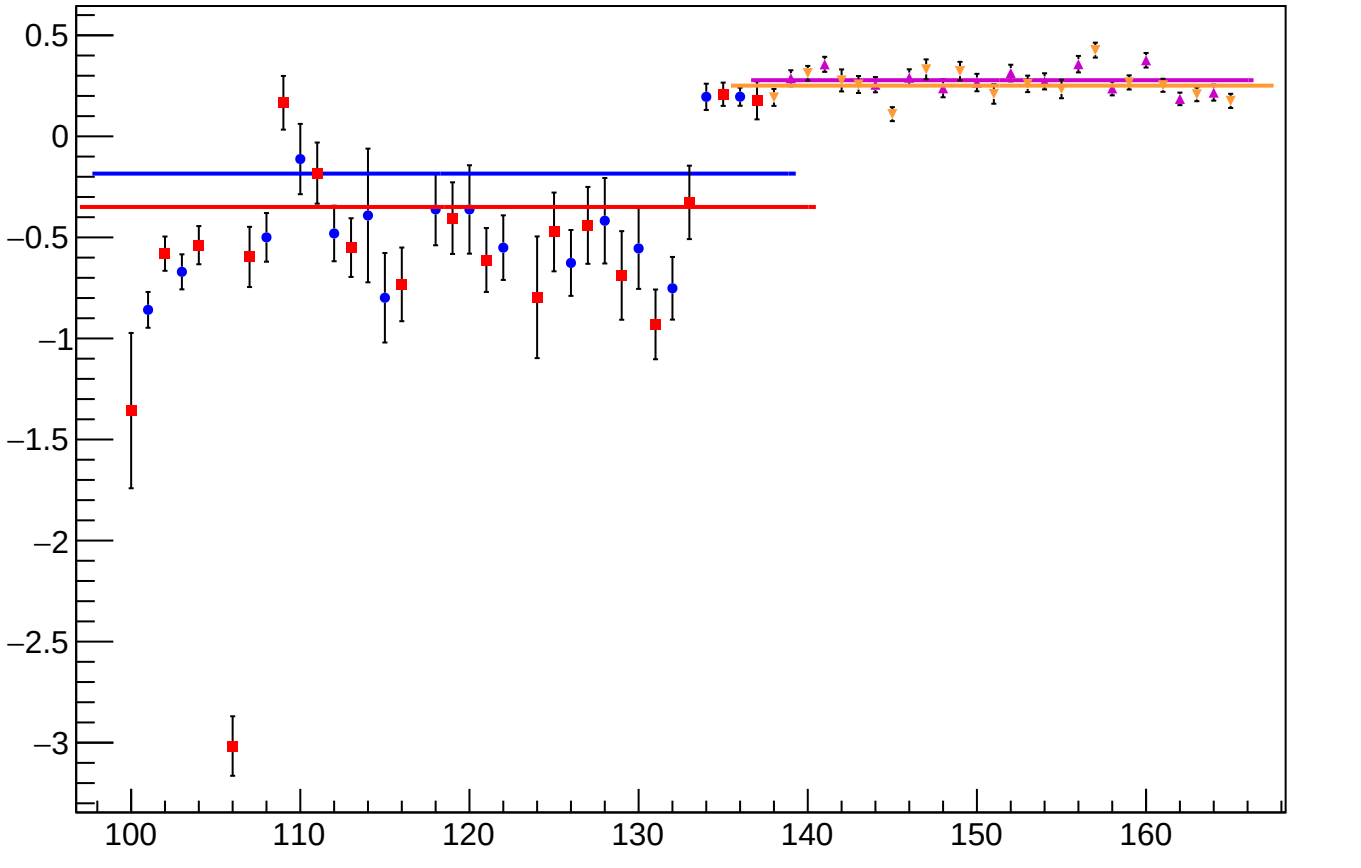
Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -15.093+/-0.232 χ^2/NDF:911.4/12

+ sign -14.209+/-0.202 χ^2/NDF: 1064.4/30

All: -14.032+/-0.147 χ^2/NDF: 2535.4/62

- sign -13.834+/-0.213 χ^2/NDF: 1469.3/31



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.251+/-0.010 χ^2/NDF:56.8/14

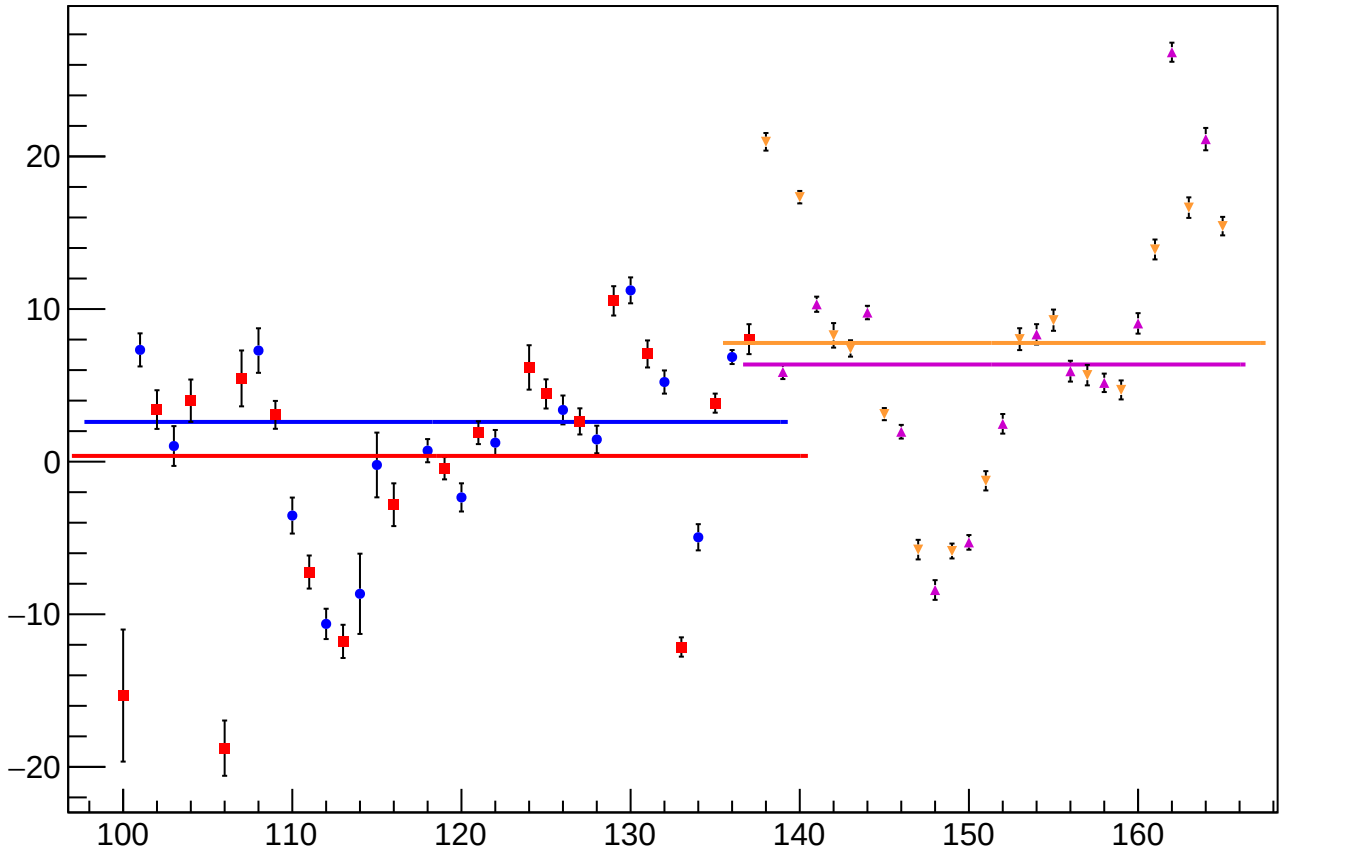
Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.278+/-0.011 χ^2/NDF:30.5/12

+ sign 0.196+/-0.010 χ^2/NDF: 535.2/30

All: 0.200+/-0.007 χ^2/NDF: 1486.7/62

- sign 0.204+/-0.010 χ^2/NDF: 951.1/31



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 7.778+/-0.148 χ^2/NDF:3098.3/14

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

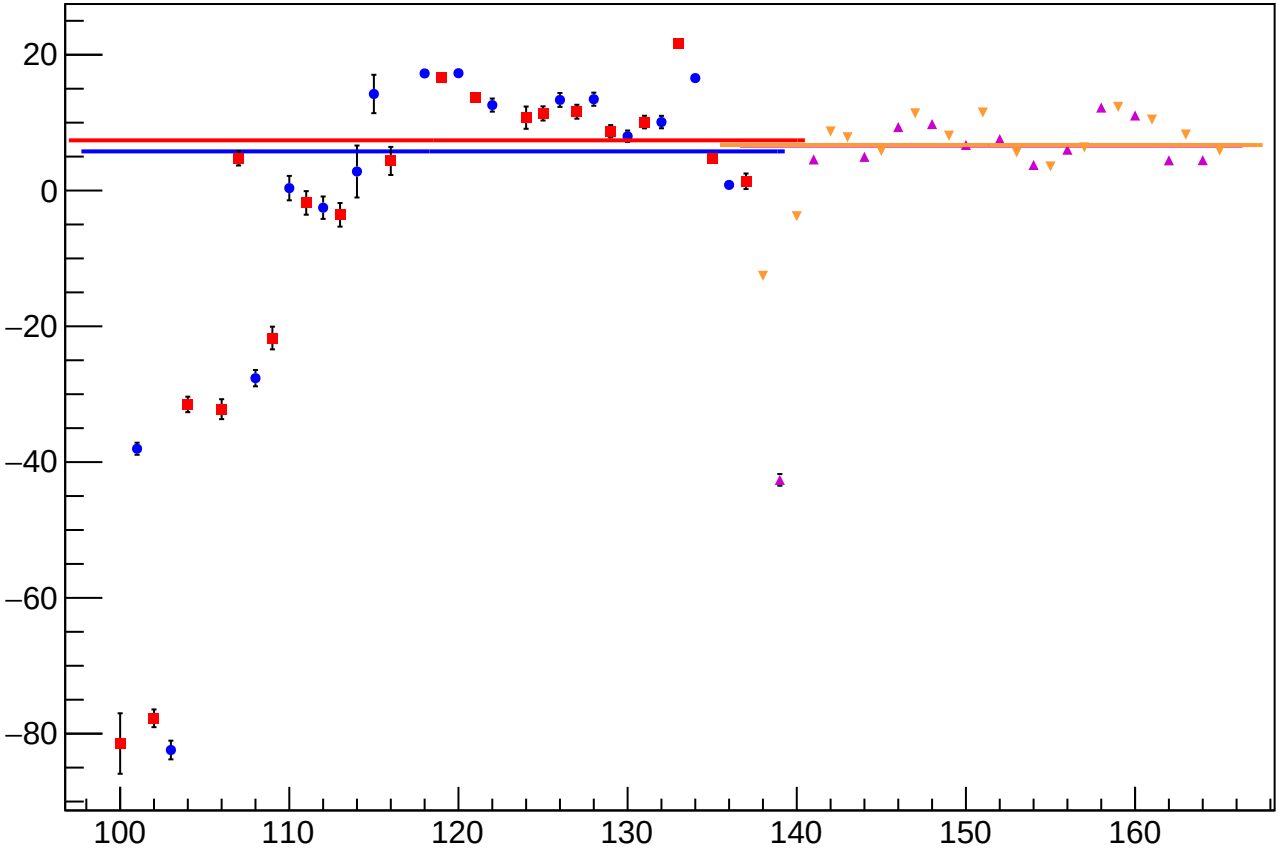
Left In: 6.367+/-0.155 χ^2/NDF:2874.6/12

\+ sign 6.205+/-0.124 χ^2/NDF: 4042.4/30

All: 5.331+/-0.089 χ^2/NDF: 8539.5/62

\- sign 4.408+/-0.127 χ^2/NDF: 4394.4/31

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.702+/-0.104 χ^2/NDF:2823.0/14

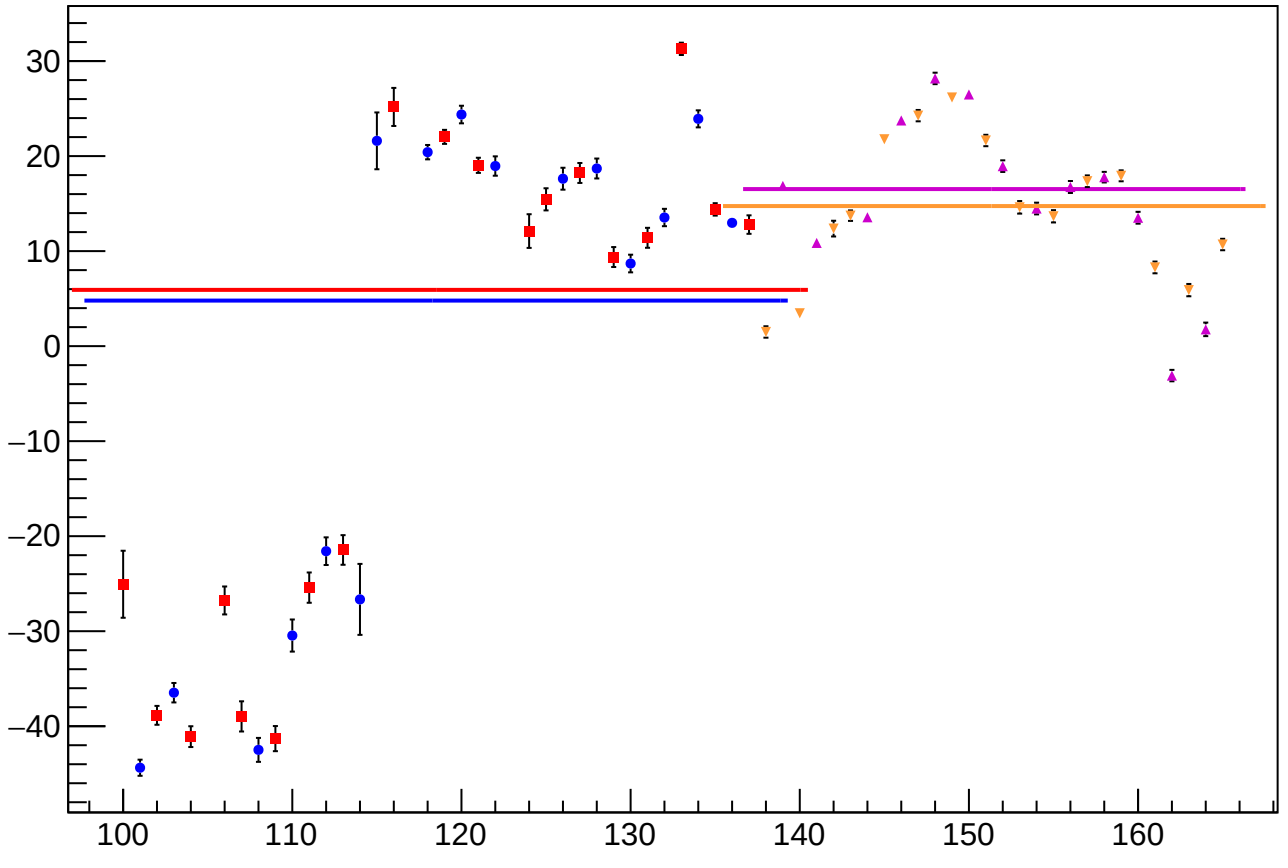
Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.620+/-0.109 χ^2/NDF:3916.2/12

\+ sign 6.518+/-0.093 χ^2/NDF: 11772.8/30

All: 6.647+/-0.067 χ^2/NDF: 24094.3/62

\- sign 6.785+/-0.096 χ^2/NDF: 12317.6/31



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.741+/-0.145 χ^2/NDF:2917.7/14

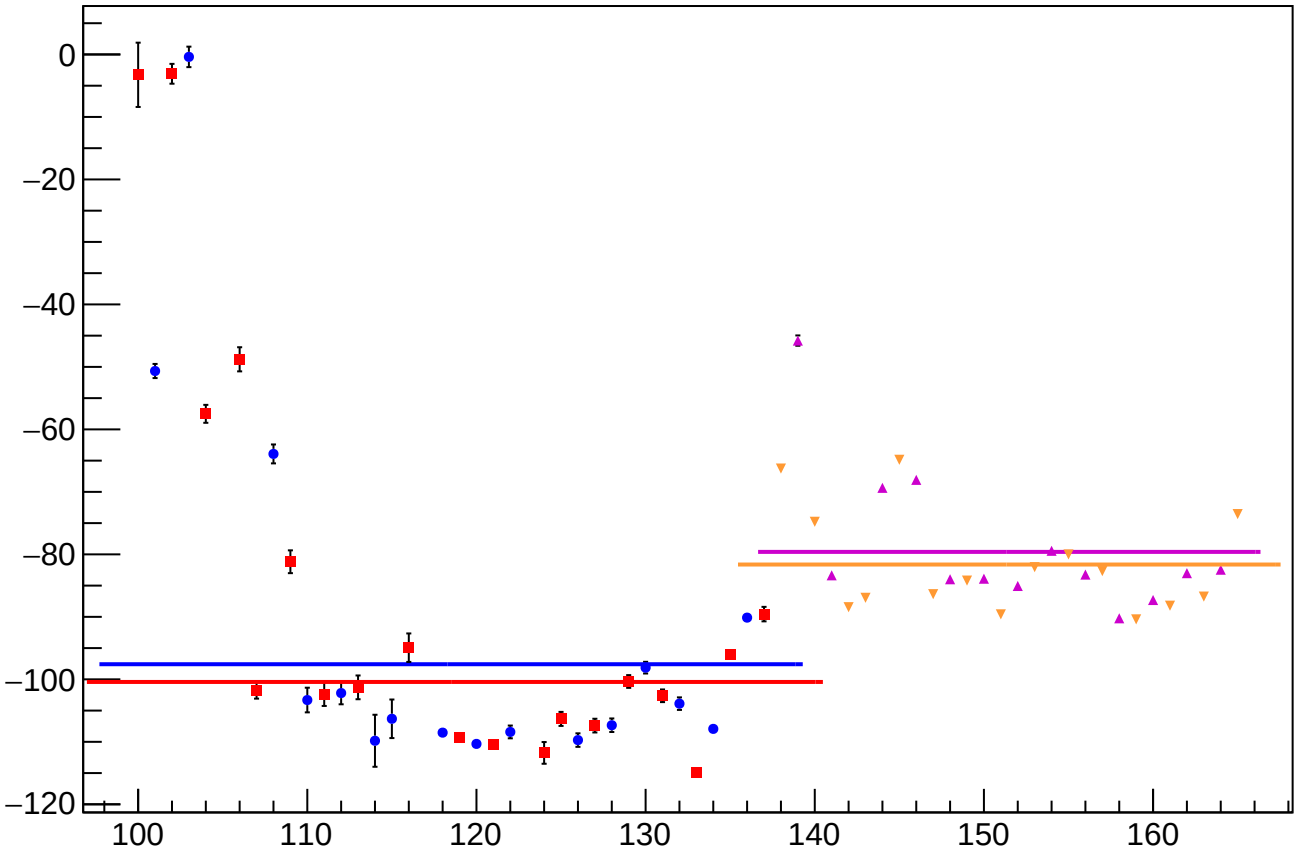
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 16.530+/-0.150 χ^2/NDF:2856.7/12

\+ sign 12.039+/-0.124 χ^2/NDF: 13693.2/30

All: 12.768+/-0.089 χ^2/NDF: 28085.6/62

\- sign 13.541+/-0.127 χ^2/NDF: 14320.9/31



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -81.627+/-0.121 χ^2/NDF:4497.0/14

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

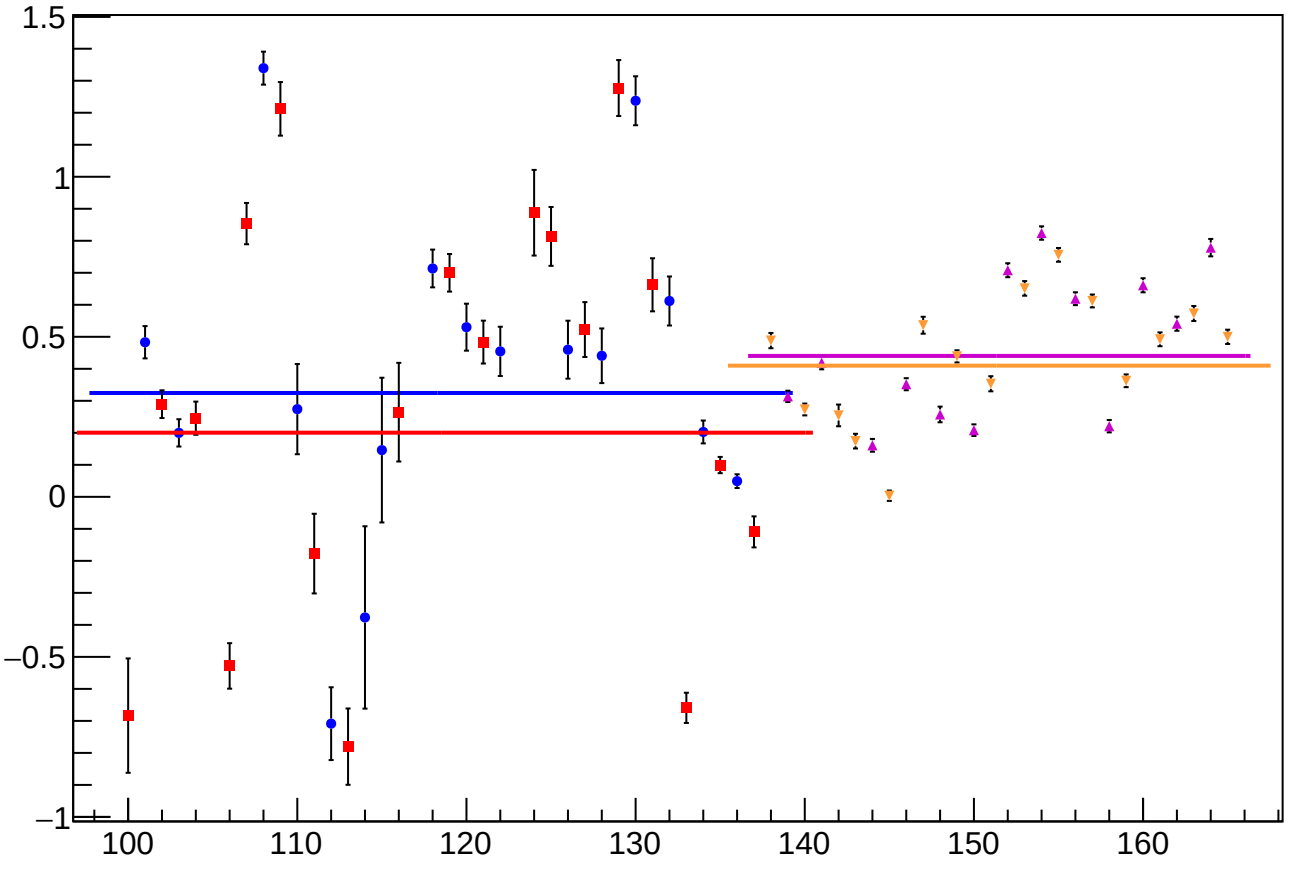
Left In: -79.604+/-0.126 χ^2/NDF:4952.1/12

+ sign -84.830+/-0.108 χ^2/NDF: 15124.0/30

All: -84.477+/-0.078 χ^2/NDF: 33062.5/62

- sign -84.100+/-0.112 χ^2/NDF: 17916.6/31

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: 0.410+/-0.006 χ^2/NDF:1408.8/14

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

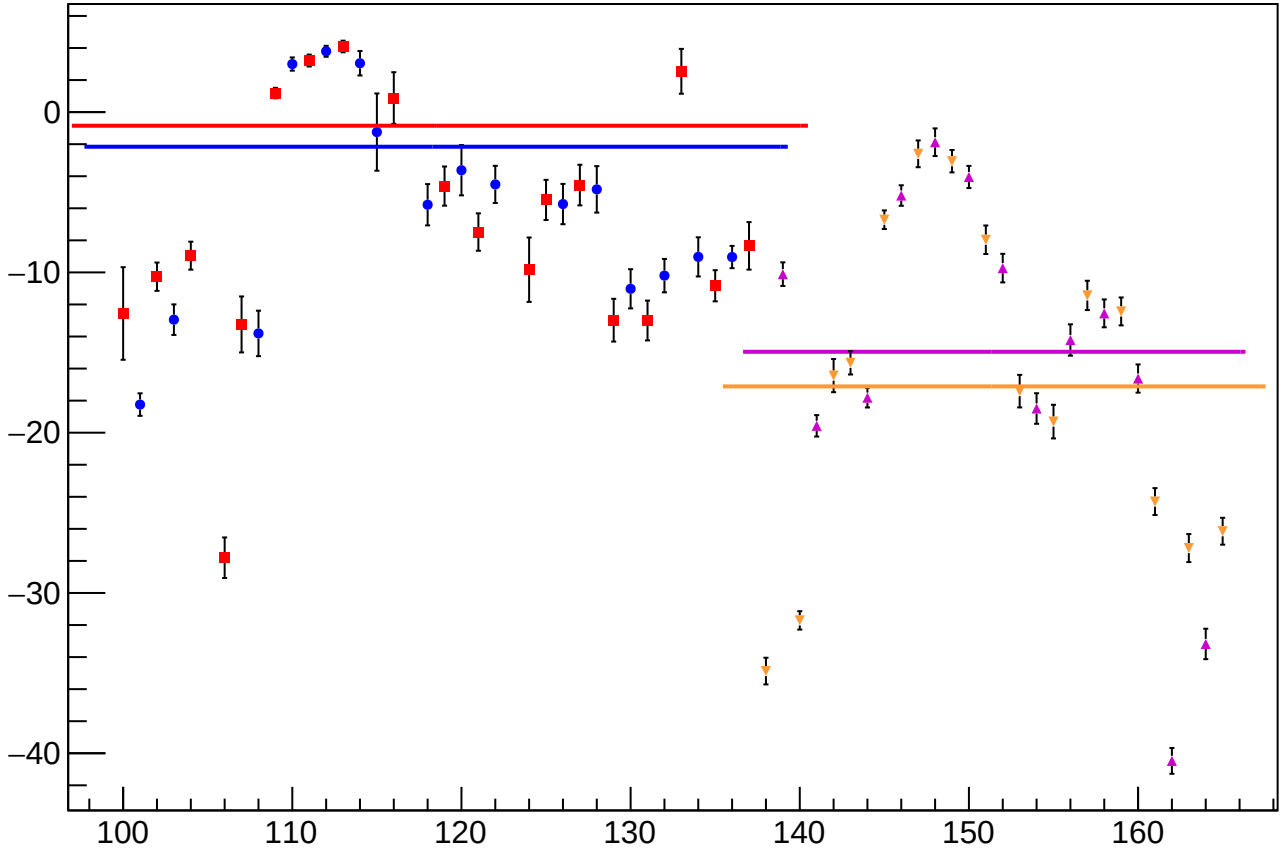
Left In: 0.440+/-0.006 χ^2/NDF:1456.0/12

+ sign 0.397+/-0.005 χ^2/NDF: 2330.5/30

All: 0.401+/-0.004 χ^2/NDF: 5250.3/62

- sign 0.405+/-0.005 χ^2/NDF: 2918.6/31

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -17.111+/-0.206 χ^2/NDF:2635.9/14

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

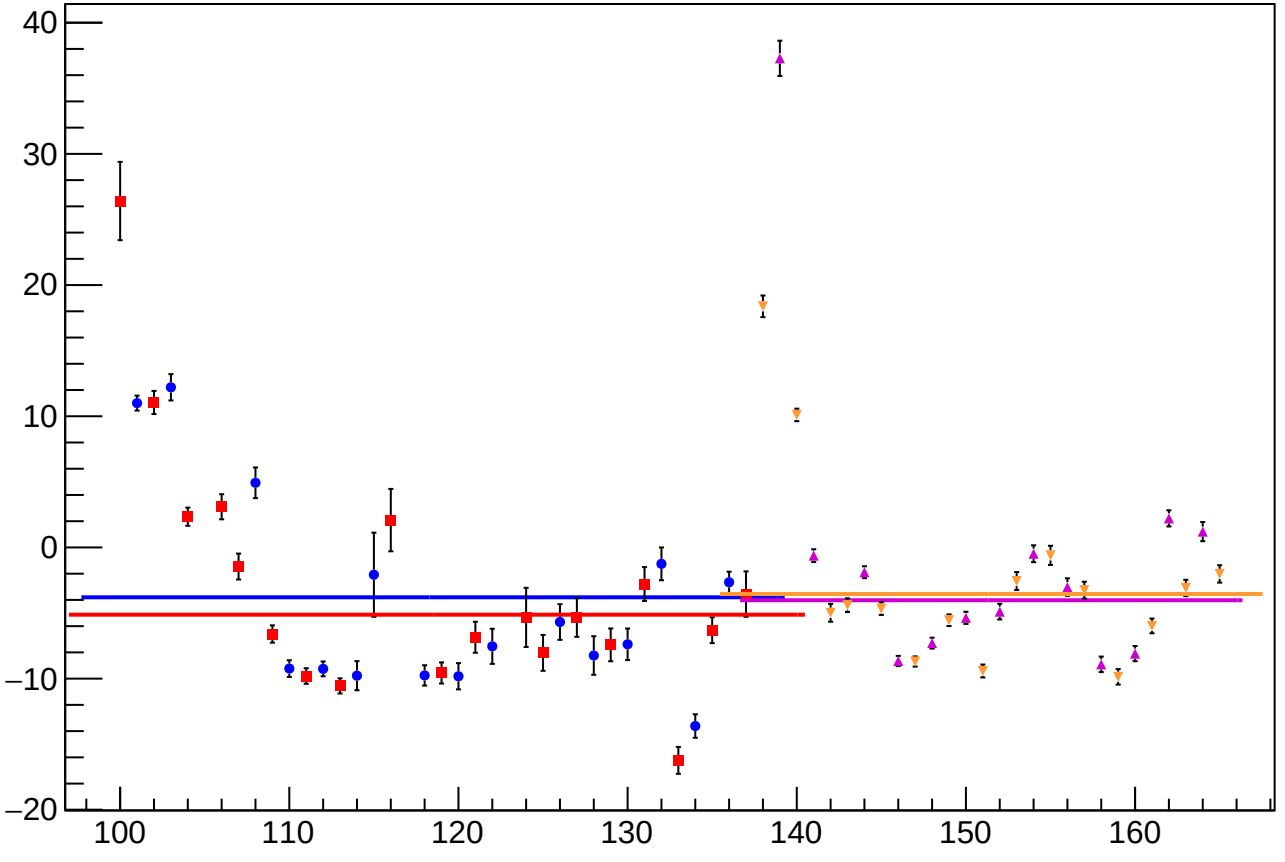
Left In: -14.952+/-0.217 χ^2/NDF:2256.1/12

+ sign -9.111+/-0.140 χ^2/NDF: 6947.0/30

All: -7.606+/-0.097 χ^2/NDF: 13505.0/62

- sign -6.236+/-0.134 χ^2/NDF: 6338.7/31

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.550+/-0.143 χ^2/NDF:2030.2/14

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

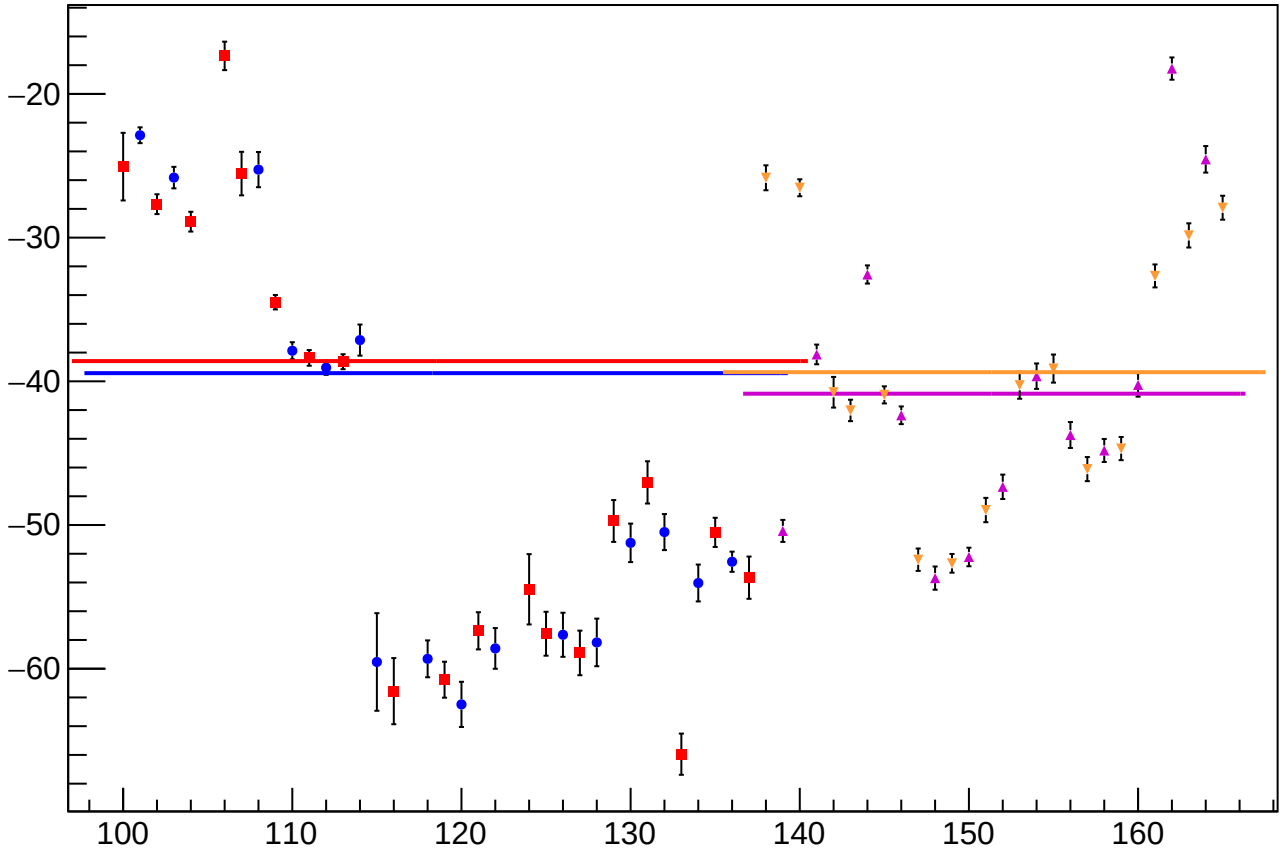
Left In: -4.025+/-0.150 χ^2/NDF:1531.2/12

+ sign -3.621+/-0.121 χ^2/NDF: 3456.6/30

All: -3.990+/-0.086 χ^2/NDF: 6004.7/62

- sign -4.377+/-0.124 χ^2/NDF: 2529.0/31

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -39.364+/-0.201 χ^2/NDF:2058.1/14

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

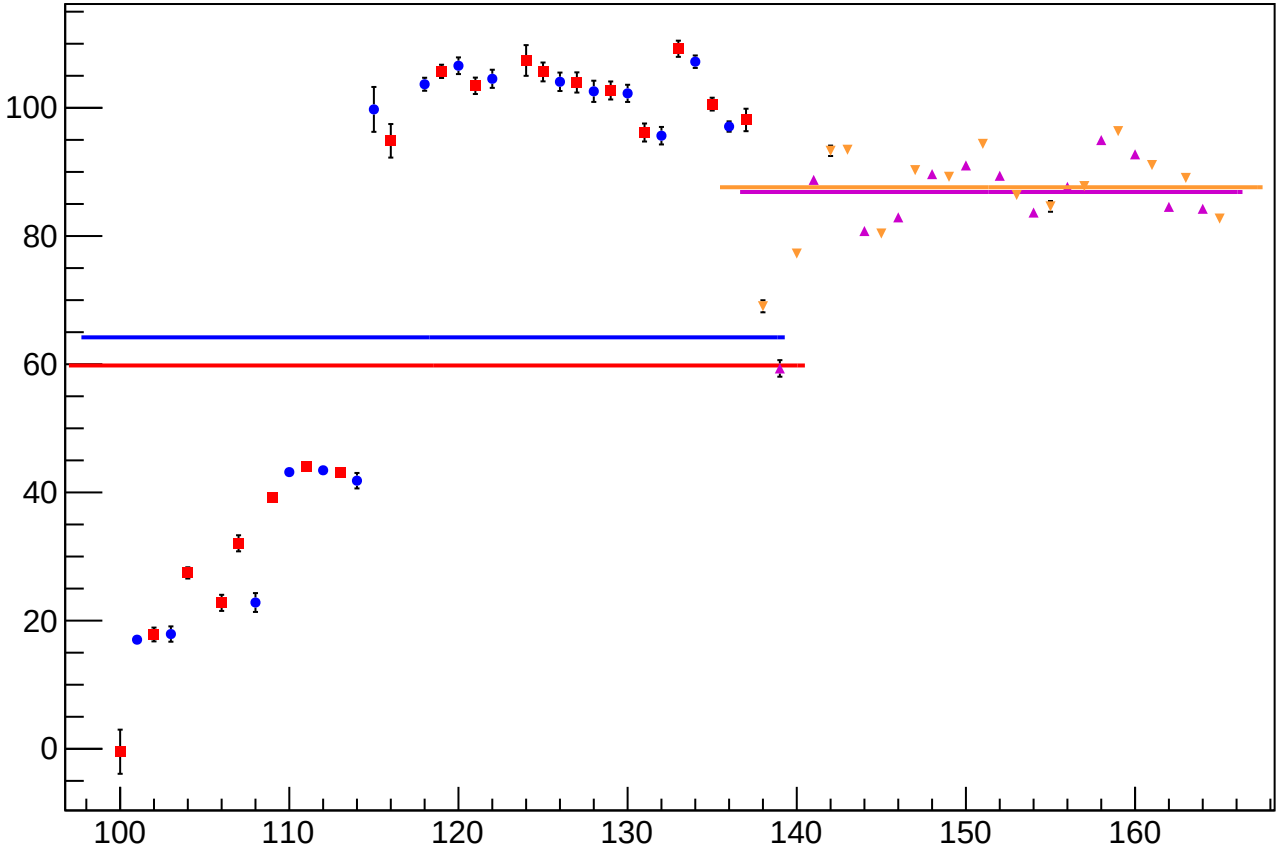
Left In: -40.861+/-0.210 χ^2/NDF:2171.0/12

+ sign -39.394+/-0.150 χ^2/NDF: 5016.2/30

All: -39.568+/-0.106 χ^2/NDF: 10019.7/62

- sign -39.741+/-0.149 χ^2/NDF: 5000.8/31

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 87.612+/-0.167 χ^2/NDF:1474.2/14

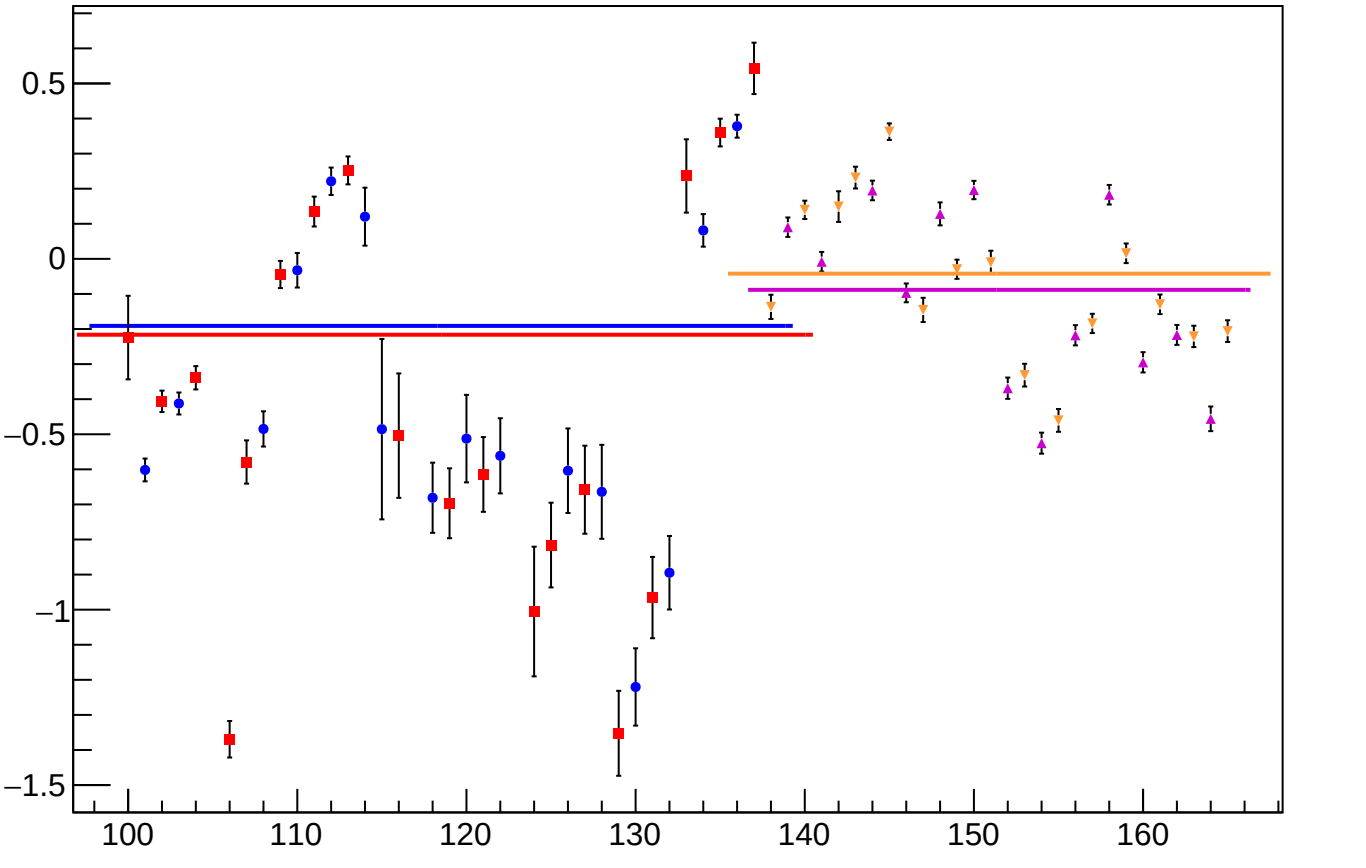
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 86.869+/-0.175 χ^2/NDF:1060.5/12

+ sign 80.676+/-0.140 χ^2/NDF: 25890.6/30

All: 79.327+/-0.100 χ^2/NDF: 52496.1/62

- sign 77.921+/-0.143 χ^2/NDF: 26416.1/31



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.042+/-0.008 χ^2/NDF:807.0/14

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

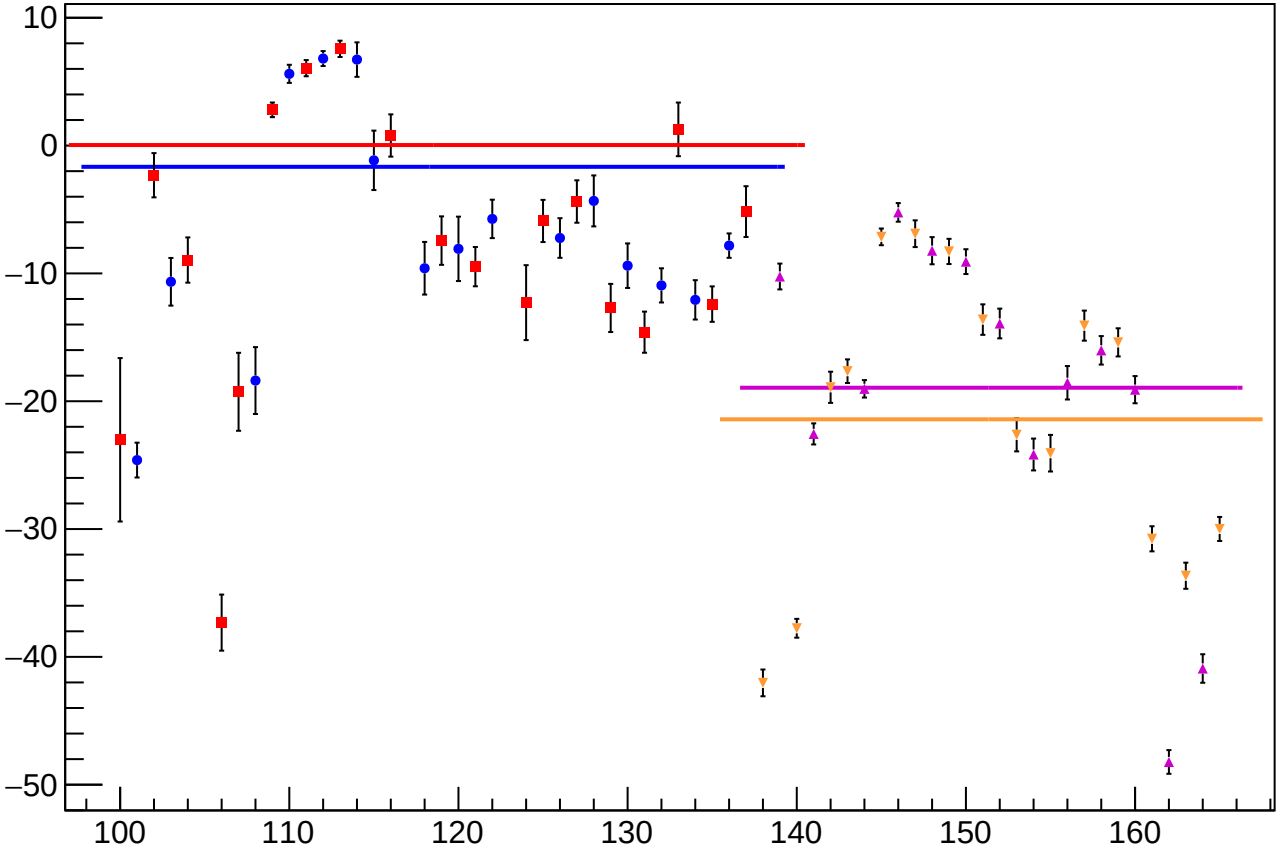
Left In: -0.088+/-0.008 χ^2/NDF:908.4/12

+ sign -0.079+/-0.007 χ^2/NDF: 1817.6/30

All: -0.101+/-0.005 χ^2/NDF: 4186.3/62

- sign -0.124+/-0.007 χ^2/NDF: 2347.2/31

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -21.414+/-0.255 χ^2/NDF:2181.8/14

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

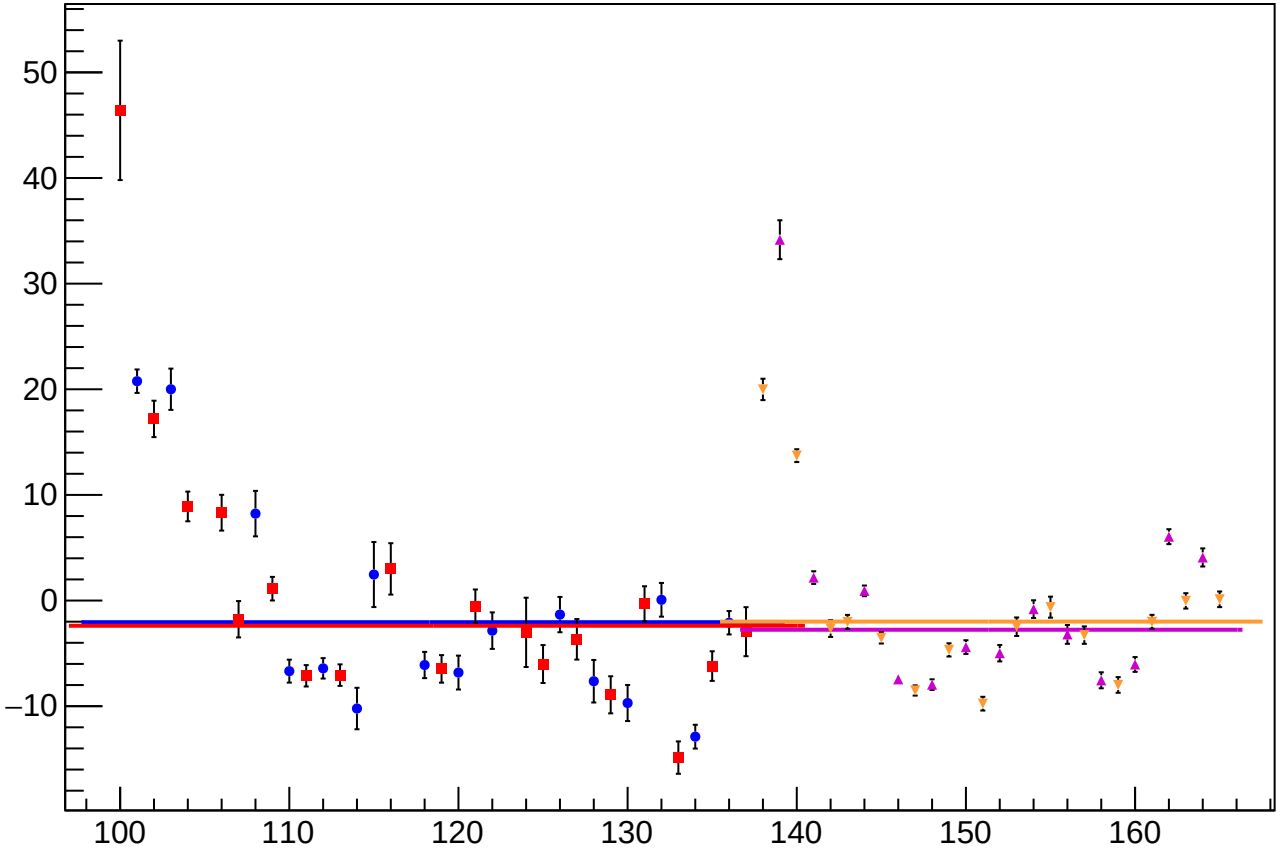
Left In: -18.944+/-0.267 χ^2/NDF:2082.1/12

+ sign -13.370+/-0.197 χ^2/NDF: 5519.1/30

All: -11.648+/-0.138 χ^2/NDF: 11076.7/62

- sign -9.974+/-0.194 χ^2/NDF: 5406.3/31

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.994+/-0.177 χ^2/NDF:1577.0/14

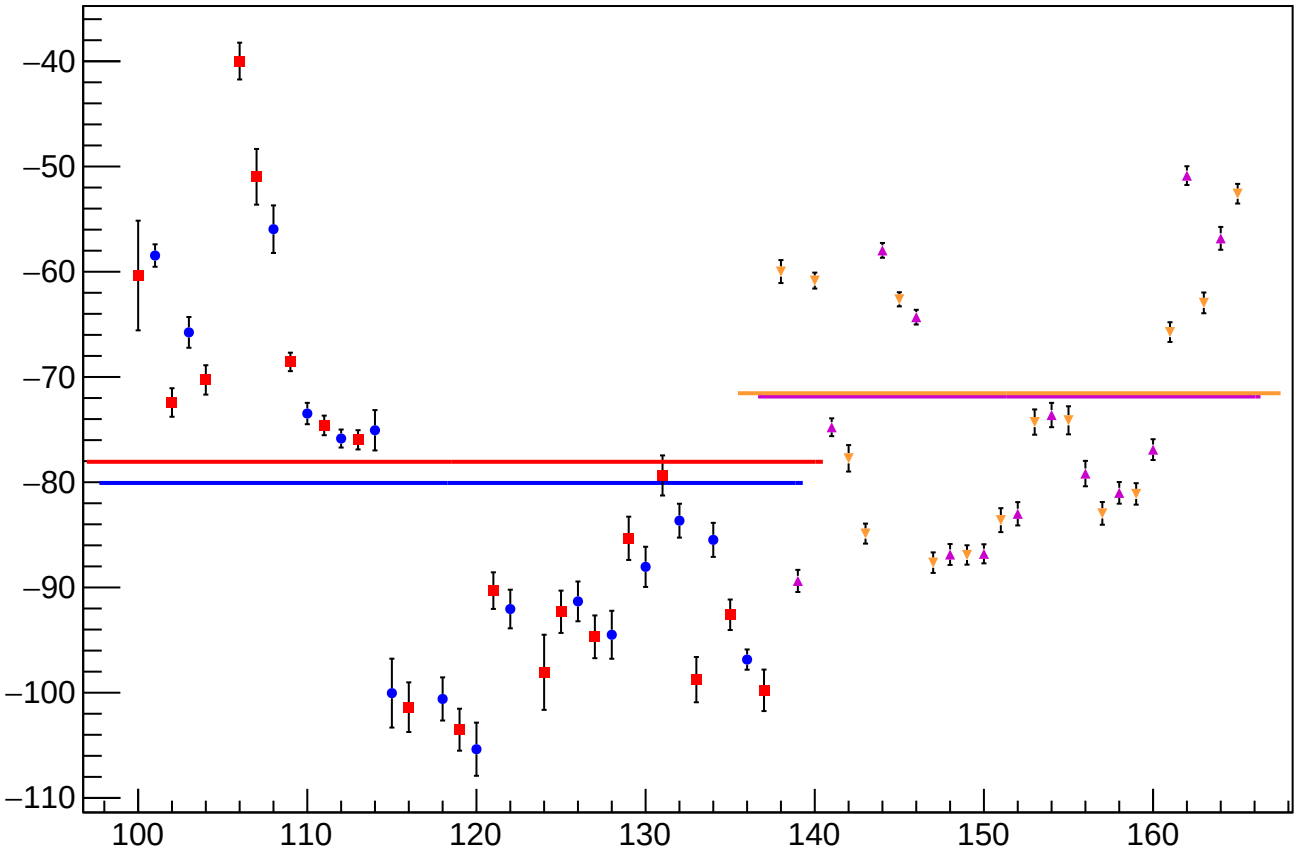
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -2.765+/-0.182 χ^2/NDF:1047.7/12

+ sign -2.005+/-0.159 χ^2/NDF: 2348.9/30

All: -2.339+/-0.113 χ^2/NDF: 3857.4/62

- sign -2.686+/-0.162 χ^2/NDF: 1499.5/31



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -71.544+/-0.251 χ^2/NDF:2108.1/14

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

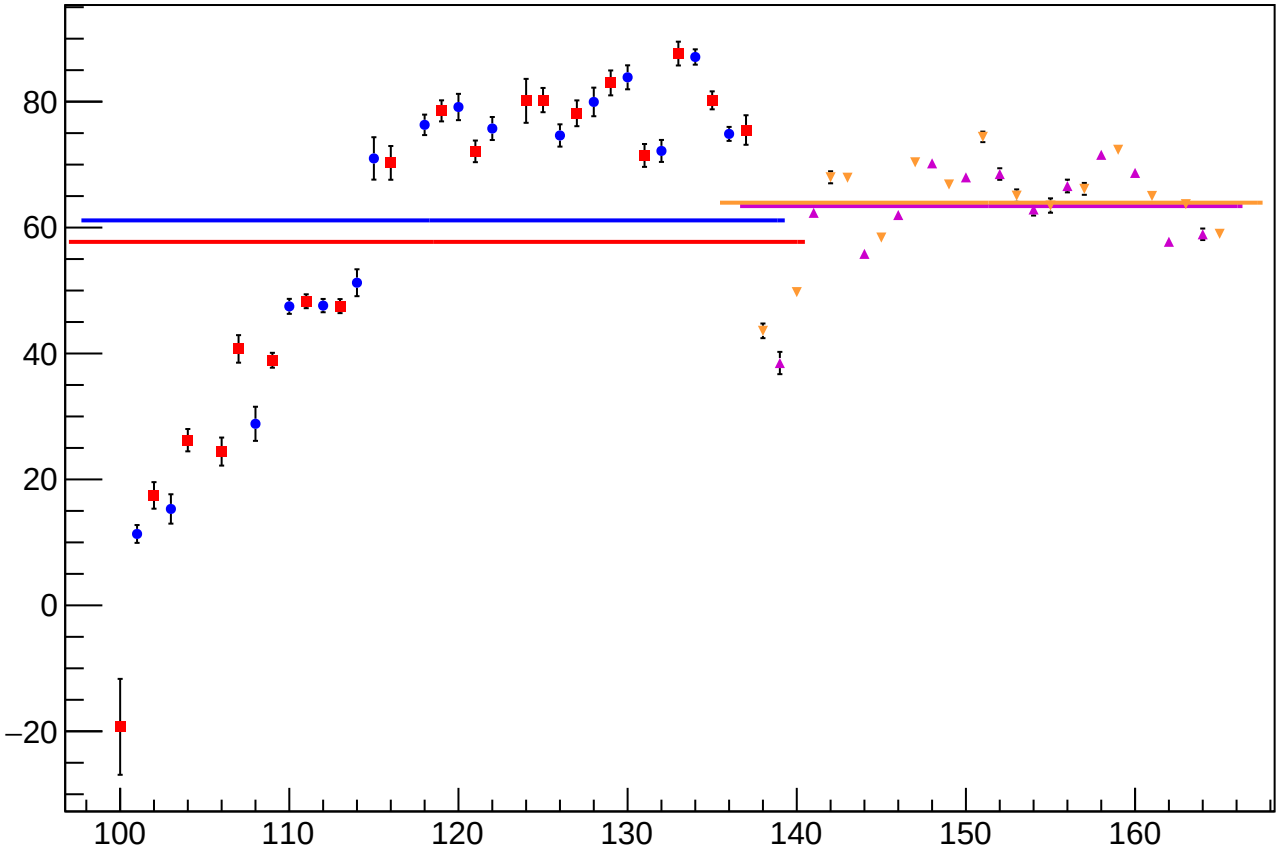
Left In: -71.854+/-0.259 χ^2/NDF:2285.6/12

+ sign -74.281+/-0.206 χ^2/NDF: 3866.9/30

All: -74.152+/-0.147 χ^2/NDF: 7914.9/62

- sign -74.021+/-0.209 χ^2/NDF: 4047.2/31

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.953+/-0.207 χ^2/NDF:1236.0/14

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

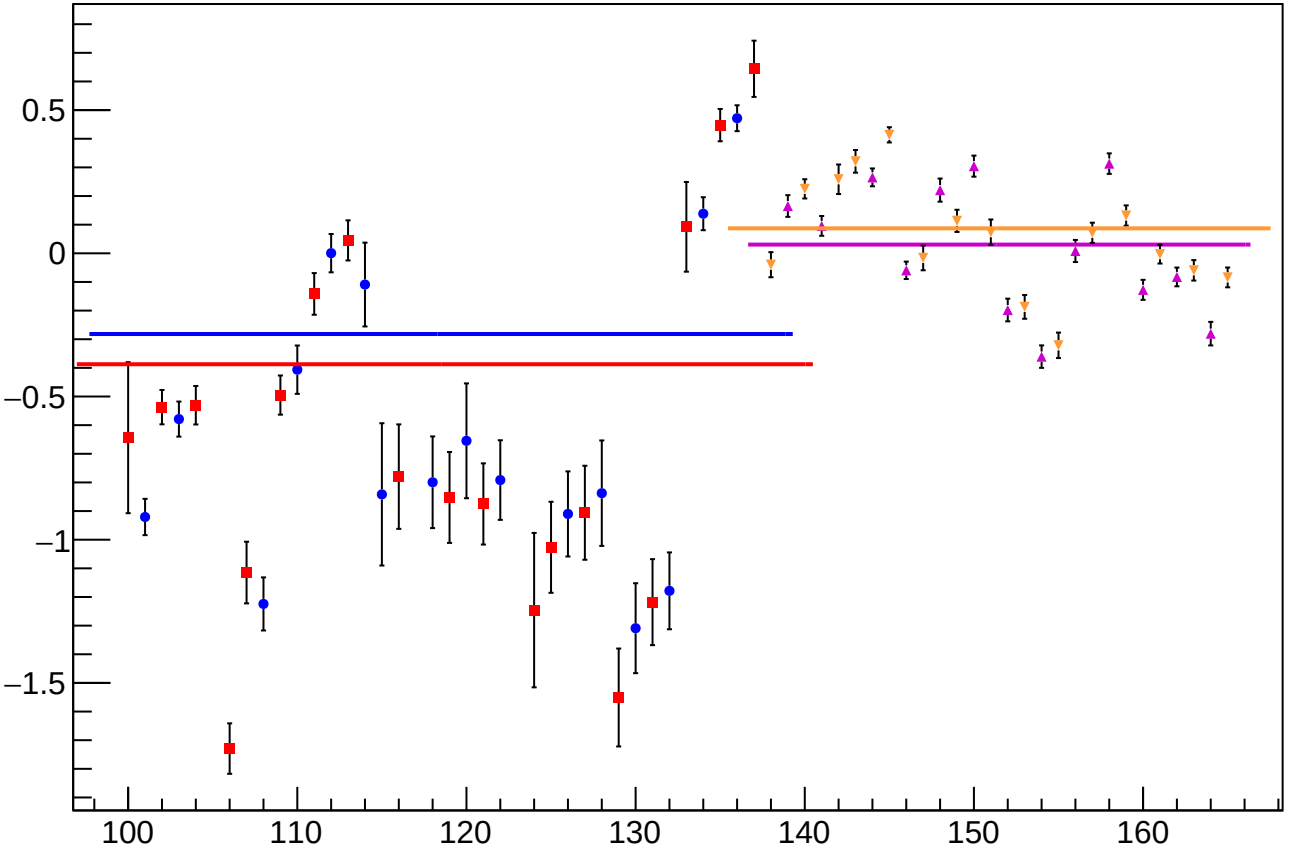
Left In: 63.411+/-0.213 χ^2/NDF:780.0/12

+ sign 63.359+/-0.184 χ^2/NDF: 4504.2/30

All: 62.770+/-0.132 χ^2/NDF: 8237.9/62

- sign 62.151+/-0.188 χ^2/NDF: 3712.6/31

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.087+/-0.010 χ^2/NDF:407.0/14

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

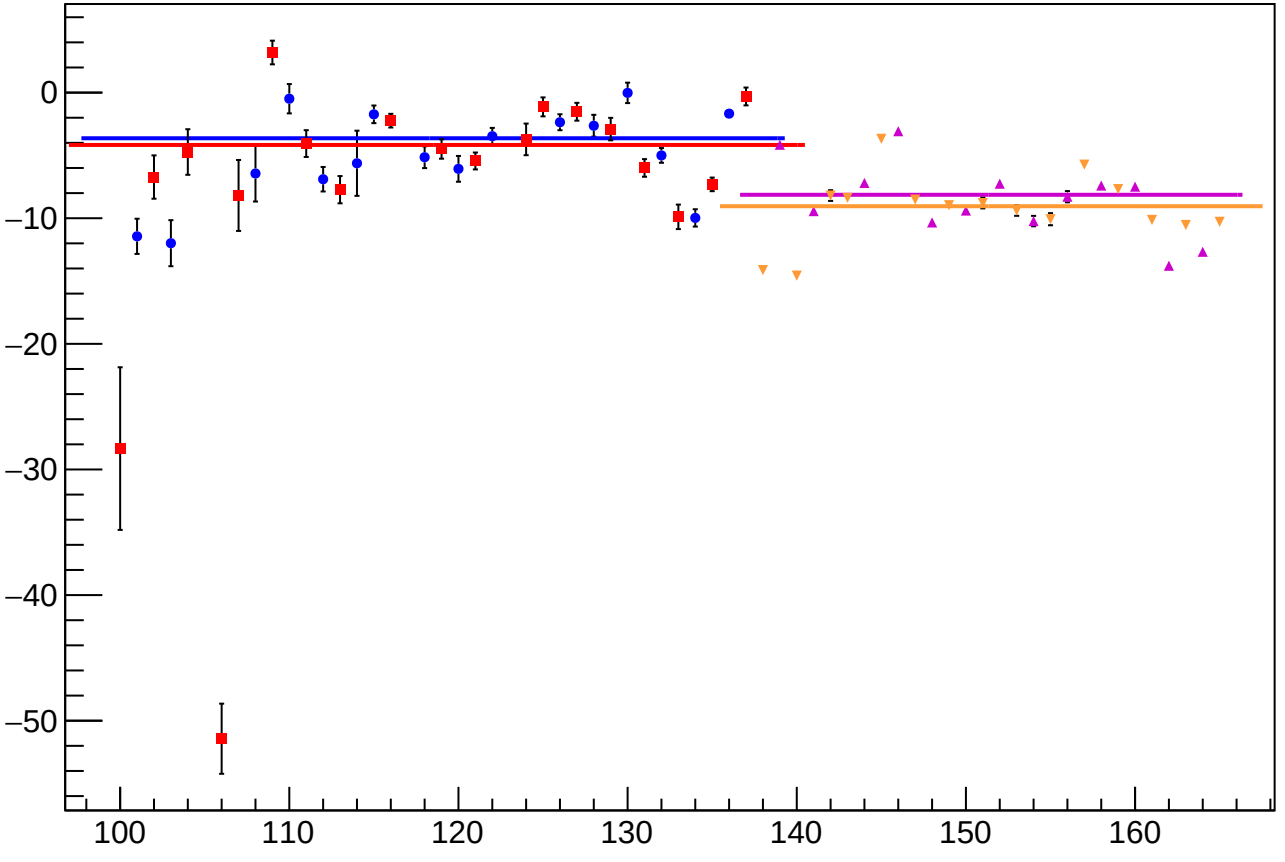
Left In: 0.030+/-0.010 χ^2/NDF:444.4/12

+ sign 0.026+/-0.009 χ^2/NDF: 1378.0/30

All: -0.006+/-0.006 χ^2/NDF: 2971.0/62

- sign -0.041+/-0.009 χ^2/NDF: 1564.6/31

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.045+/-0.086 χ^2/NDF:1413.0/14

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

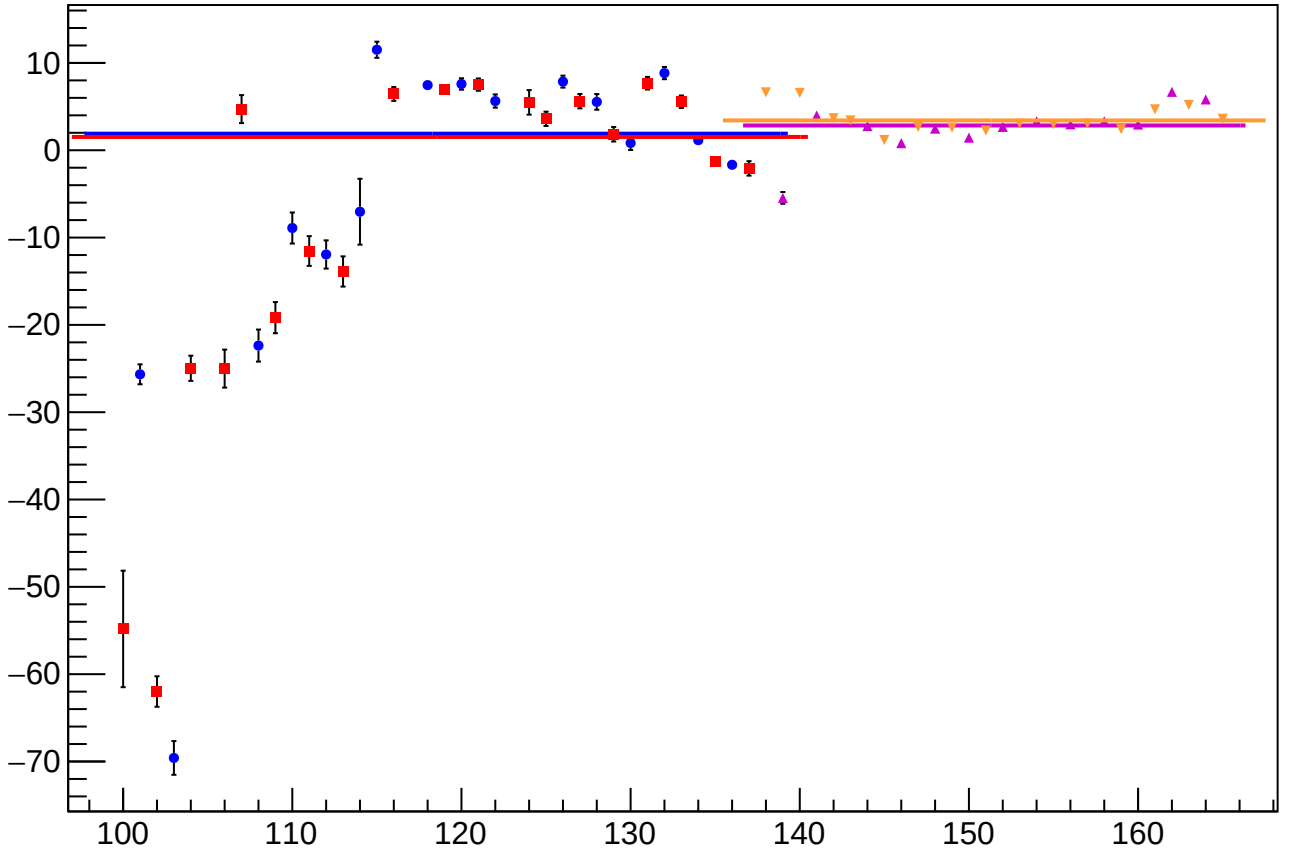
Left In: -8.134+/-0.089 χ^2/NDF:1283.1/12

+ sign -8.120+/-0.078 χ^2/NDF: 2327.1/30

All: -7.811+/-0.056 χ^2/NDF: 4502.6/62

- sign -7.476+/-0.081 χ^2/NDF: 2142.8/31

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.417+/-0.060 χ^2/NDF:636.8/14

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

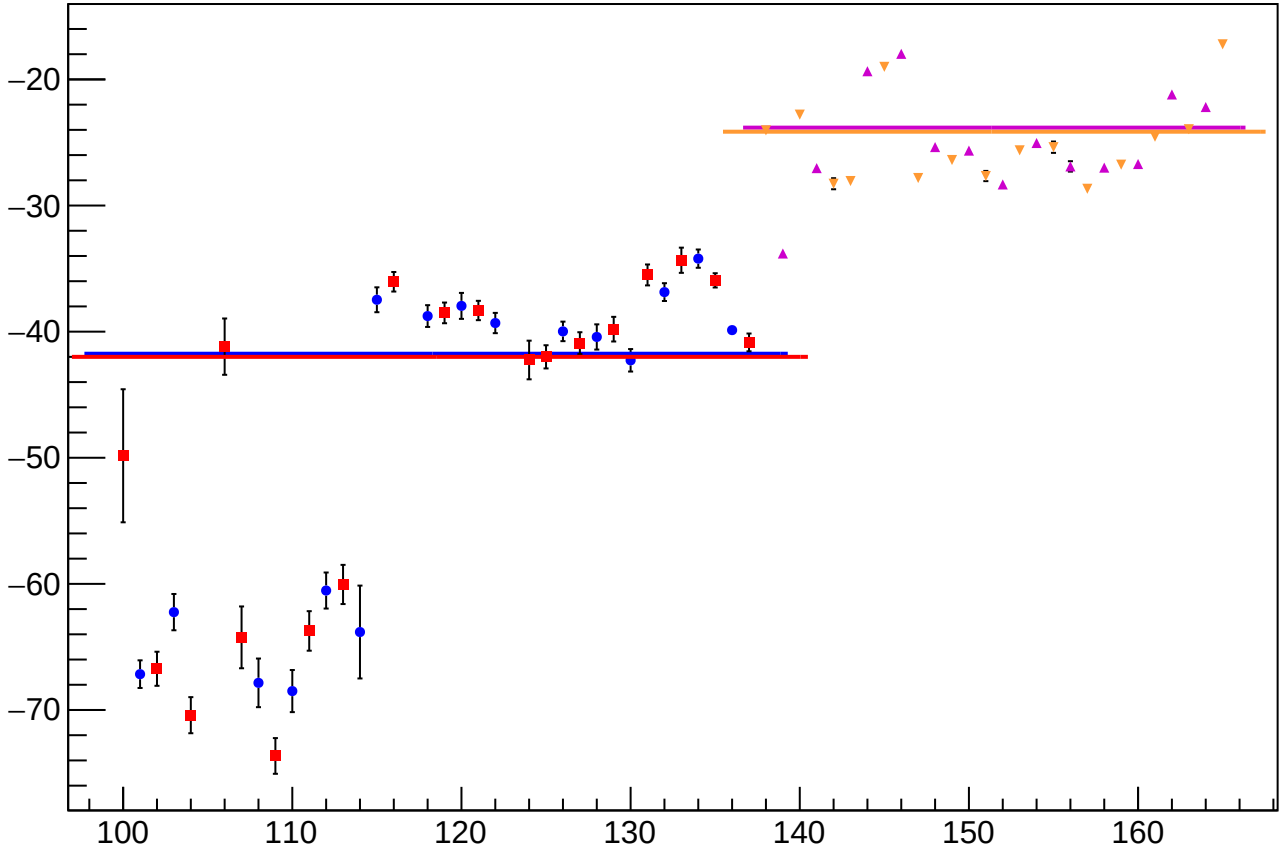
Left In: 2.838+/-0.061 χ^2/NDF:878.2/12

+ sign 3.279+/-0.057 χ^2/NDF: 3533.7/30

All: 3.012+/-0.041 χ^2/NDF: 7052.7/62

- sign 2.735+/-0.058 χ^2/NDF: 3474.6/31

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.145+/-0.084 χ^2/NDF:1845.9/14

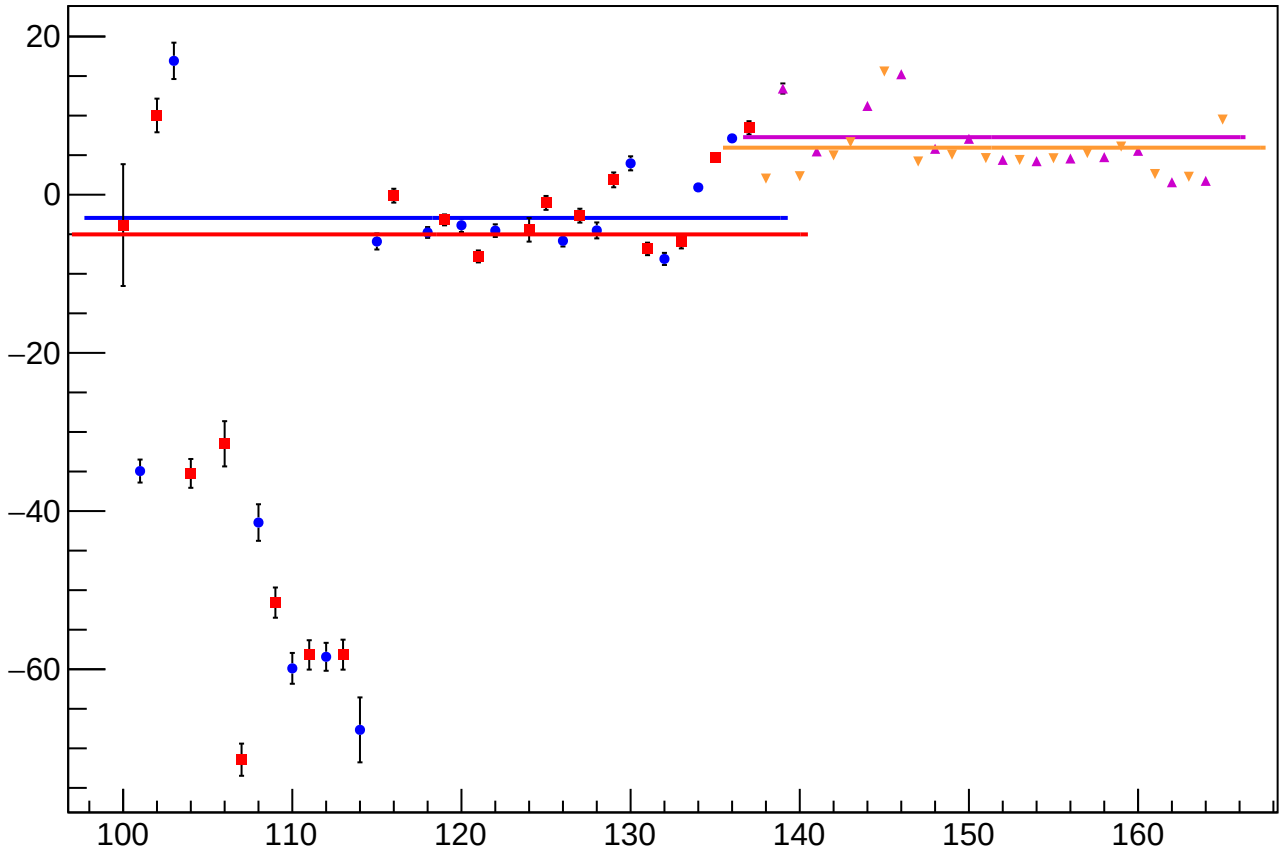
Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -23.824+/-0.086 χ^2/NDF:2395.2/12

+ sign -26.632+/-0.078 χ^2/NDF: 9654.4/30

All: -26.373+/-0.056 χ^2/NDF: 19605.0/62

- sign -26.096+/-0.081 χ^2/NDF: 9927.8/31



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 5.946+/-0.069 χ^2/NDF:3361.9/14

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

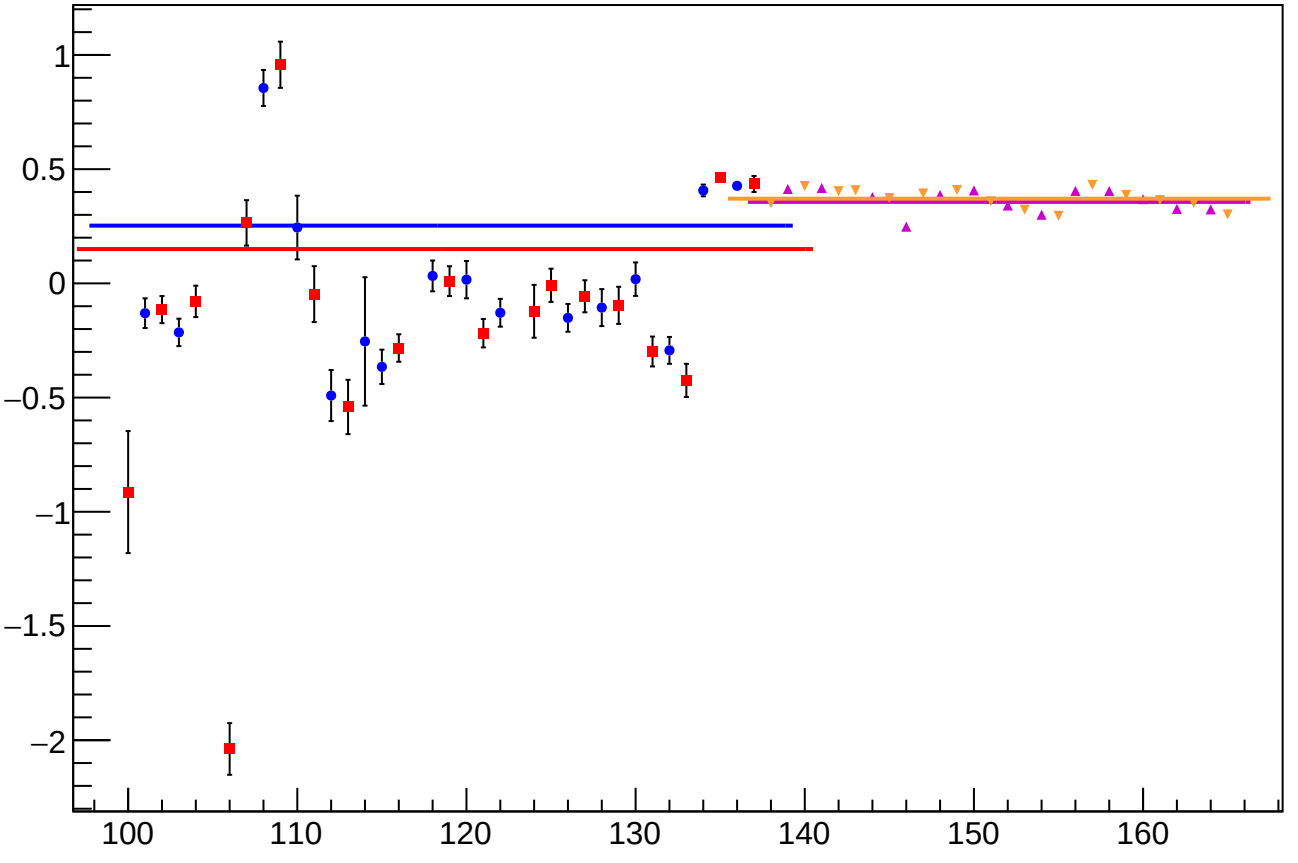
Left In: 7.274+/-0.071 χ^2/NDF:4077.0/12

+ sign 5.068+/-0.066 χ^2/NDF: 8704.8/30

All: 5.630+/-0.047 χ^2/NDF: 19880.4/62

- sign 6.224+/-0.068 χ^2/NDF: 11026.1/31

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.371+/-0.003 χ^2/NDF:154.1/14

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

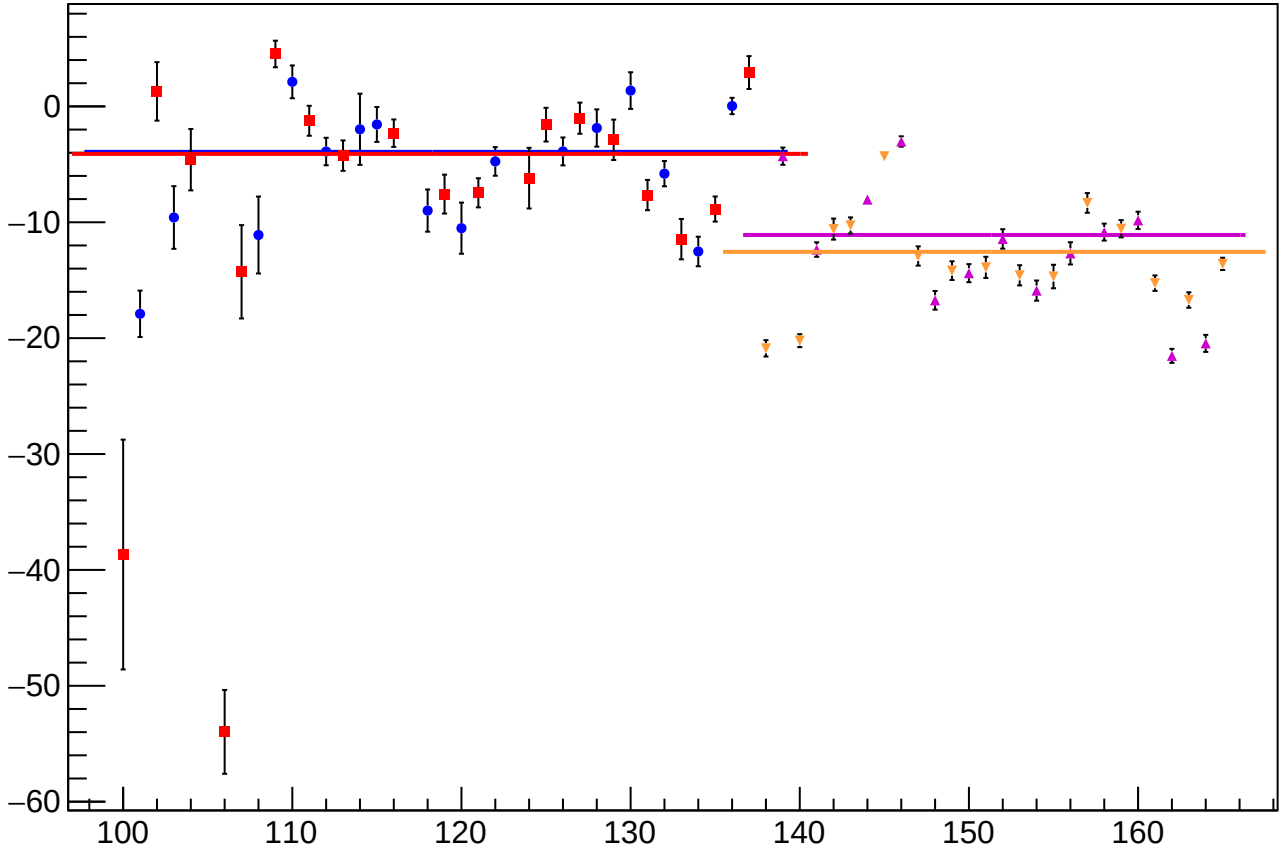
Left In: 0.357+/-0.003 χ^2/NDF:258.2/12

+ sign 0.362+/-0.003 χ^2/NDF: 883.2/30

All: 0.354+/-0.002 χ^2/NDF: 2399.8/62

- sign 0.345+/-0.003 χ^2/NDF: 1501.0/31

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.550+/-0.175 χ^2/NDF:886.3/14

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

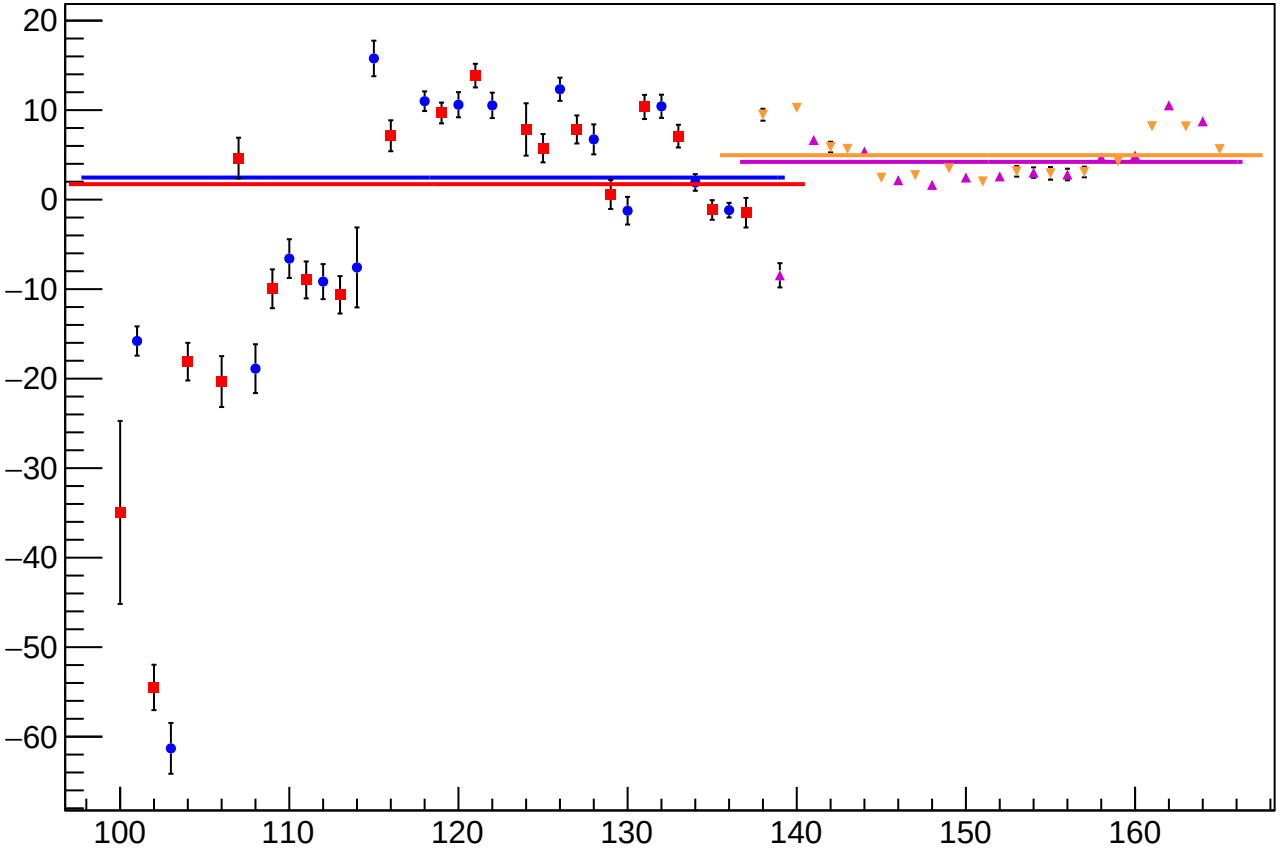
Left In: -11.095+/-0.183 χ^2/NDF:1024.9/12

+ sign -10.793+/-0.156 χ^2/NDF: 1570.0/30

All: -10.240+/-0.113 χ^2/NDF: 3292.6/62

- sign -9.642+/-0.163 χ^2/NDF: 1696.6/31

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.965+/-0.124 χ^2/NDF:452.3/14

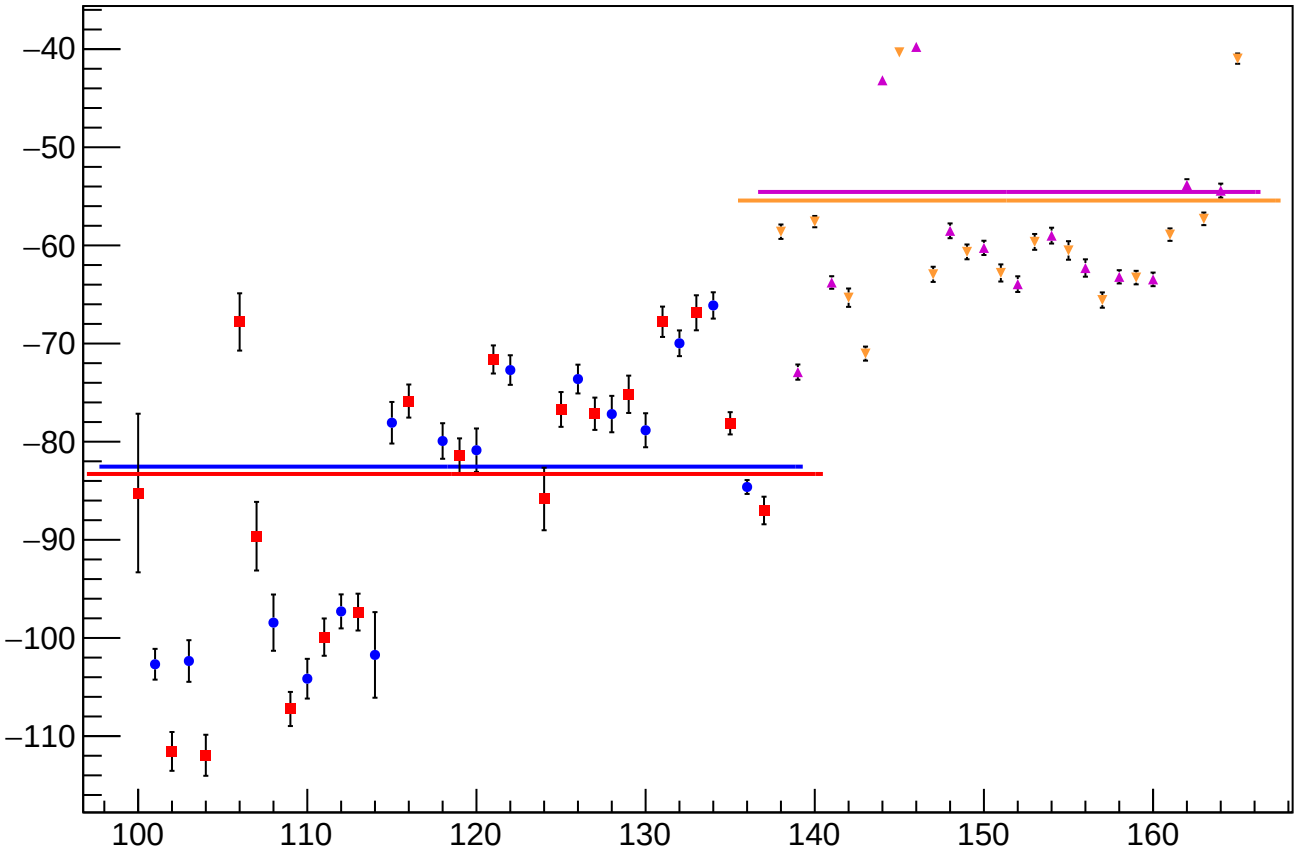
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.217+/-0.124 χ^2/NDF:519.6/12

+ sign 4.697+/-0.117 χ^2/NDF: 1542.9/30

All: 4.345+/-0.083 χ^2/NDF: 3101.6/62

- sign 3.983+/-0.118 χ^2/NDF: 1540.3/31



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -55.428+/-0.172 χ^2/NDF:3363.8/14

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

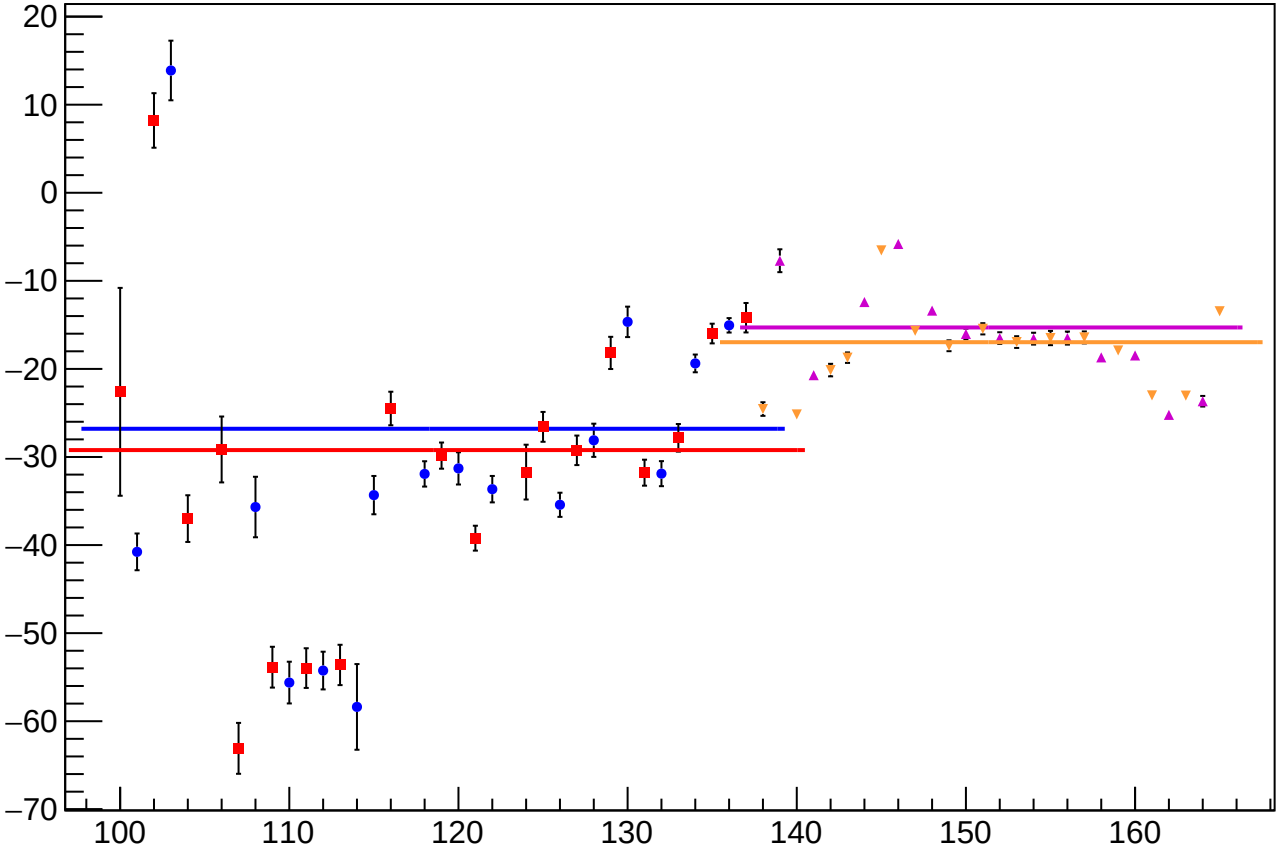
Left In: -54.553+/-0.177 χ^2/NDF:3263.7/12

+ sign -59.968+/-0.157 χ^2/NDF: 8346.7/30

All: -59.506+/-0.113 χ^2/NDF: 16786.9/62

- sign -59.010+/-0.163 χ^2/NDF: 8422.3/31

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -16.967+/-0.143 χ^2/NDF:1539.3/14

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

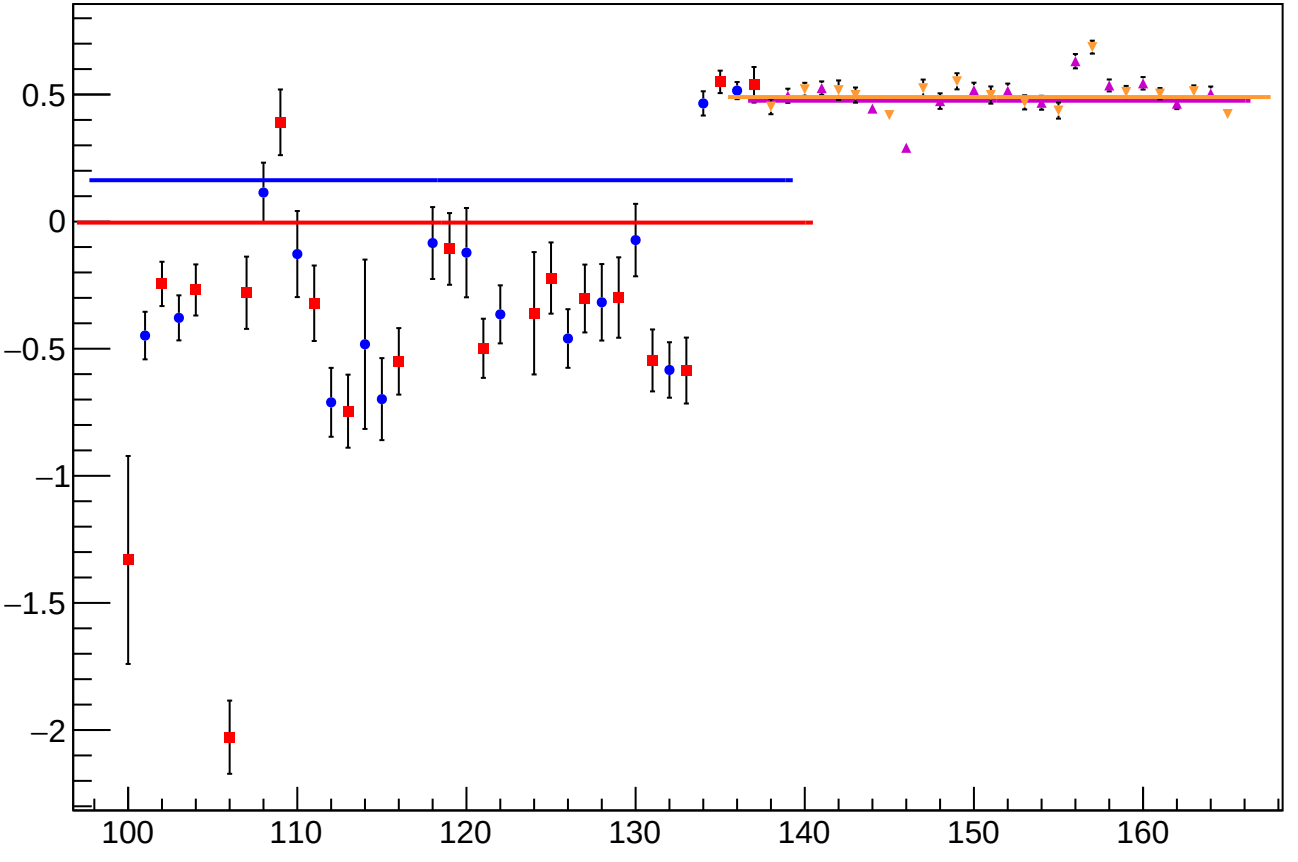
Left In: -15.293+/-0.146 χ^2/NDF:1732.0/12

+ sign -18.098+/-0.134 χ^2/NDF: 3049.1/30

All: -17.427+/-0.096 χ^2/NDF: 6729.4/62

- sign -16.719+/-0.138 χ^2/NDF: 3628.9/31

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.490+/-0.007 χ^2/NDF:104.7/14

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

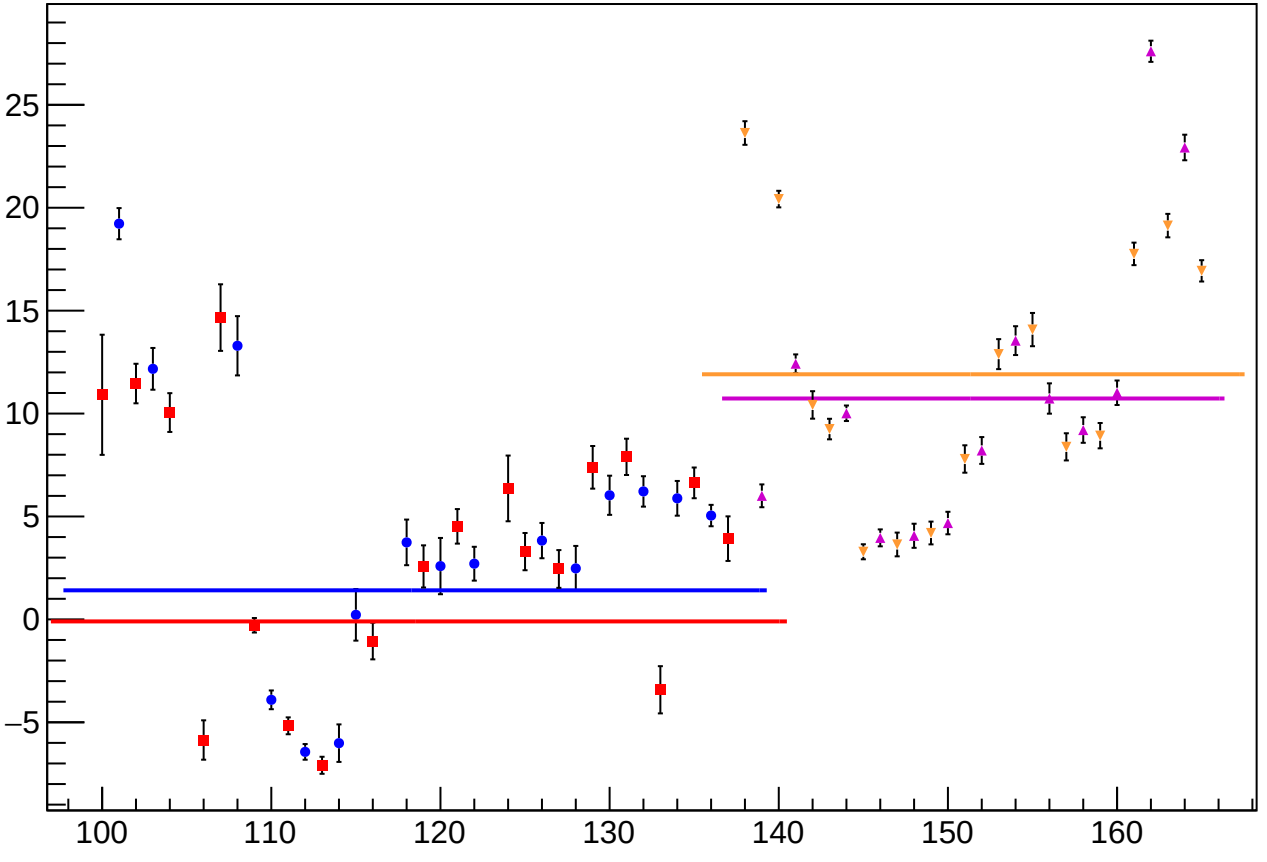
Left In: 0.476+/-0.007 χ^2/NDF:154.3/12

+ sign 0.462+/-0.006 χ^2/NDF: 740.7/30

All: 0.452+/-0.005 χ^2/NDF: 1831.5/62

- sign 0.440+/-0.007 χ^2/NDF: 1085.3/31

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: 11.909+/-0.141 χ^2/NDF:2322.0/14

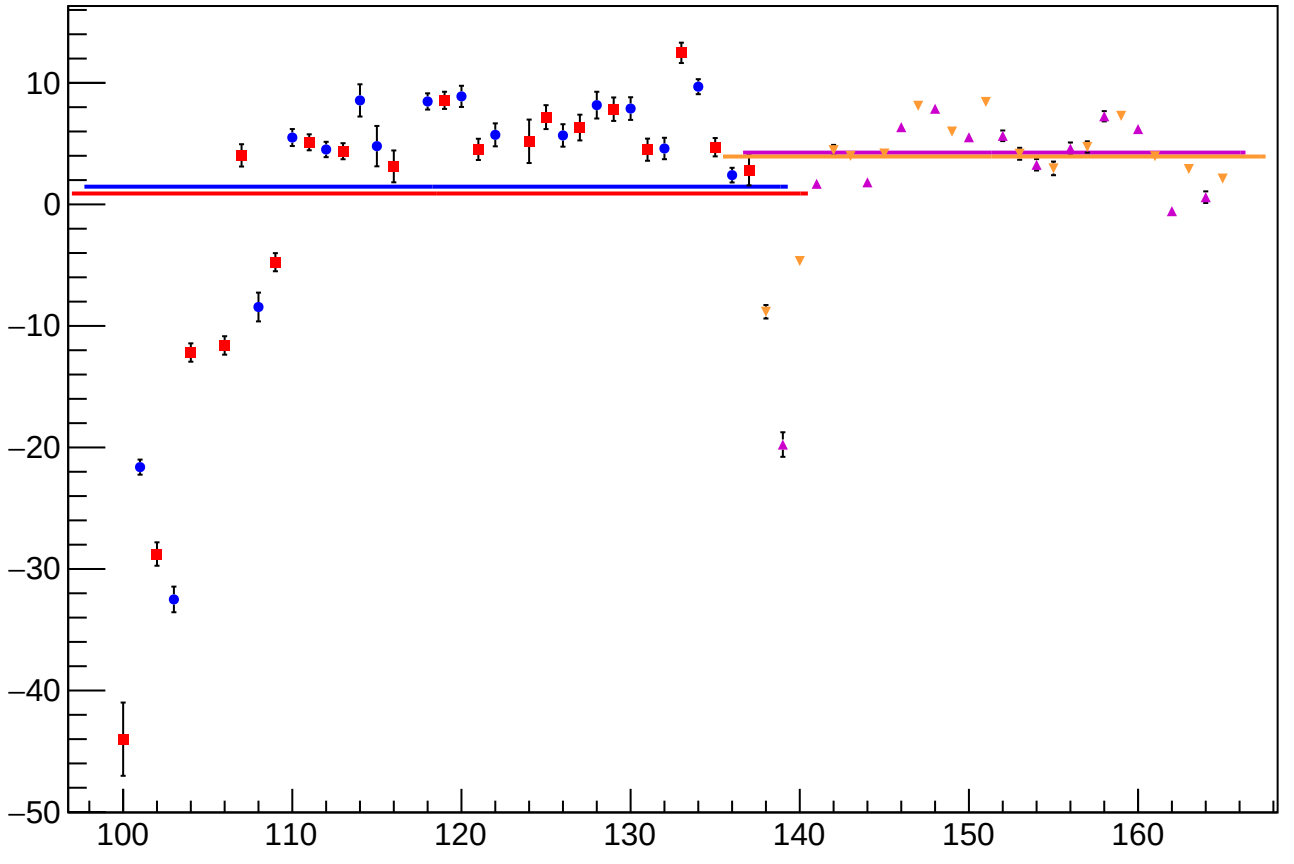
Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 10.732+/-0.148 χ^2/NDF:2109.7/12

+ sign 7.985+/-0.112 χ^2/NDF: 5902.2/30

All: 6.966+/-0.079 χ^2/NDF: 11666.4/62

- sign 5.964+/-0.111 χ^2/NDF: 5600.0/31



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.940+/-0.098 χ^2/NDF:1733.8/14

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

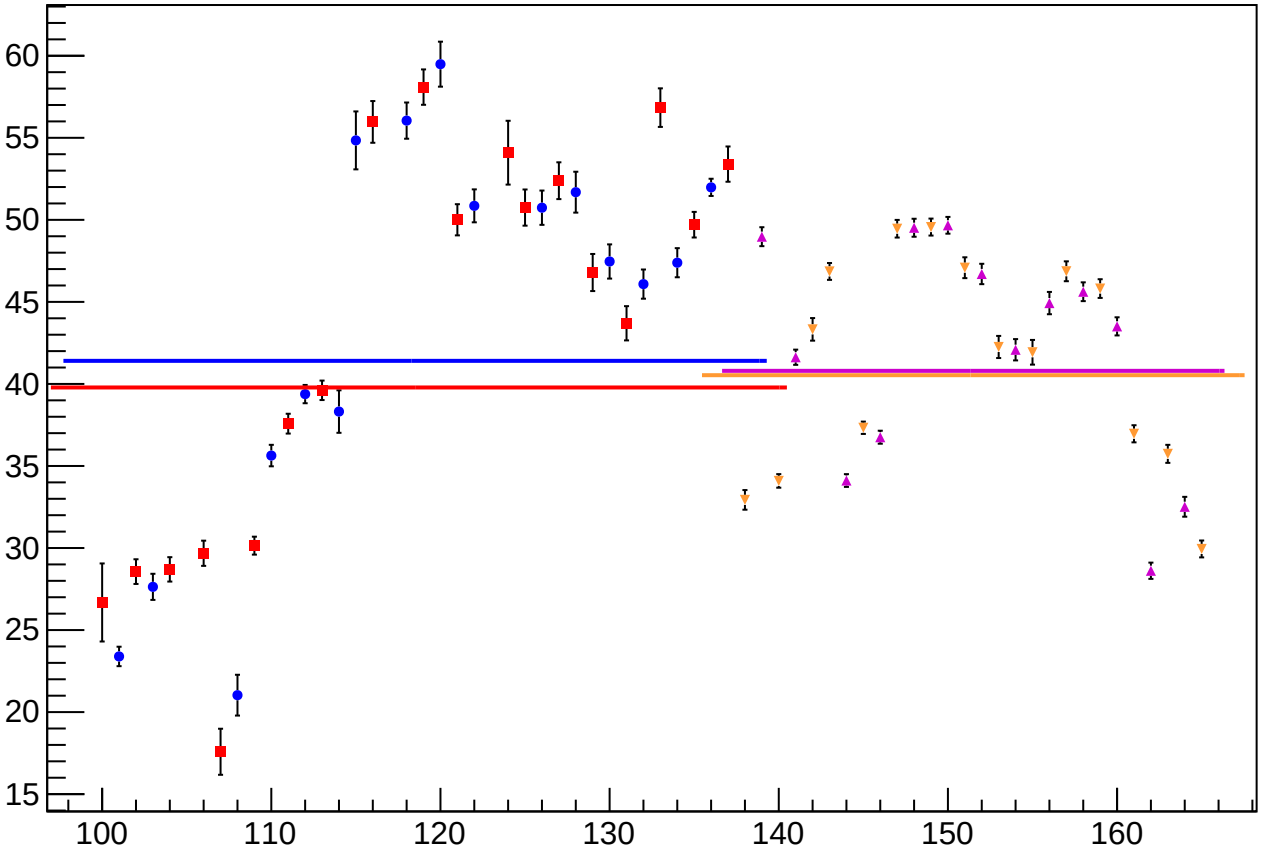
Left In: 4.262+/-0.101 χ^2/NDF:1258.1/12

+ sign 3.470+/-0.089 χ^2/NDF: 4934.6/30

All: 3.527+/-0.063 χ^2/NDF: 8792.6/62

- sign 3.587+/-0.090 χ^2/NDF: 3857.1/31

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: 40.533+/-0.139 χ^2/NDF:2082.4/14

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

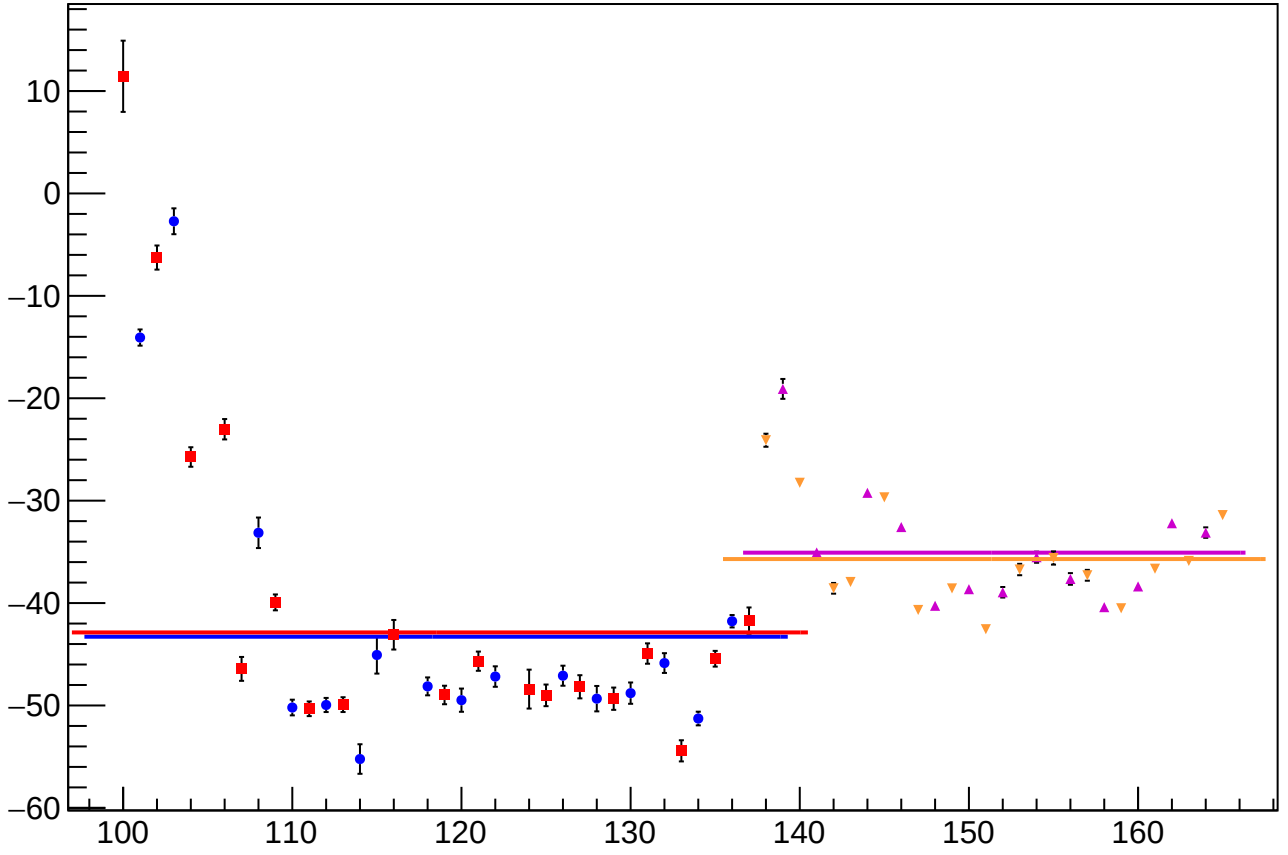
Left In: 40.798+/-0.144 χ^2/NDF:2178.4/12

+ sign 40.798+/-0.116 χ^2/NDF: 4840.4/30

All: 40.630+/-0.083 χ^2/NDF: 9693.4/62

- sign 40.458+/-0.118 χ^2/NDF: 4848.8/31

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: -35.702+/-0.115 χ^2/NDF:1726.8/14

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

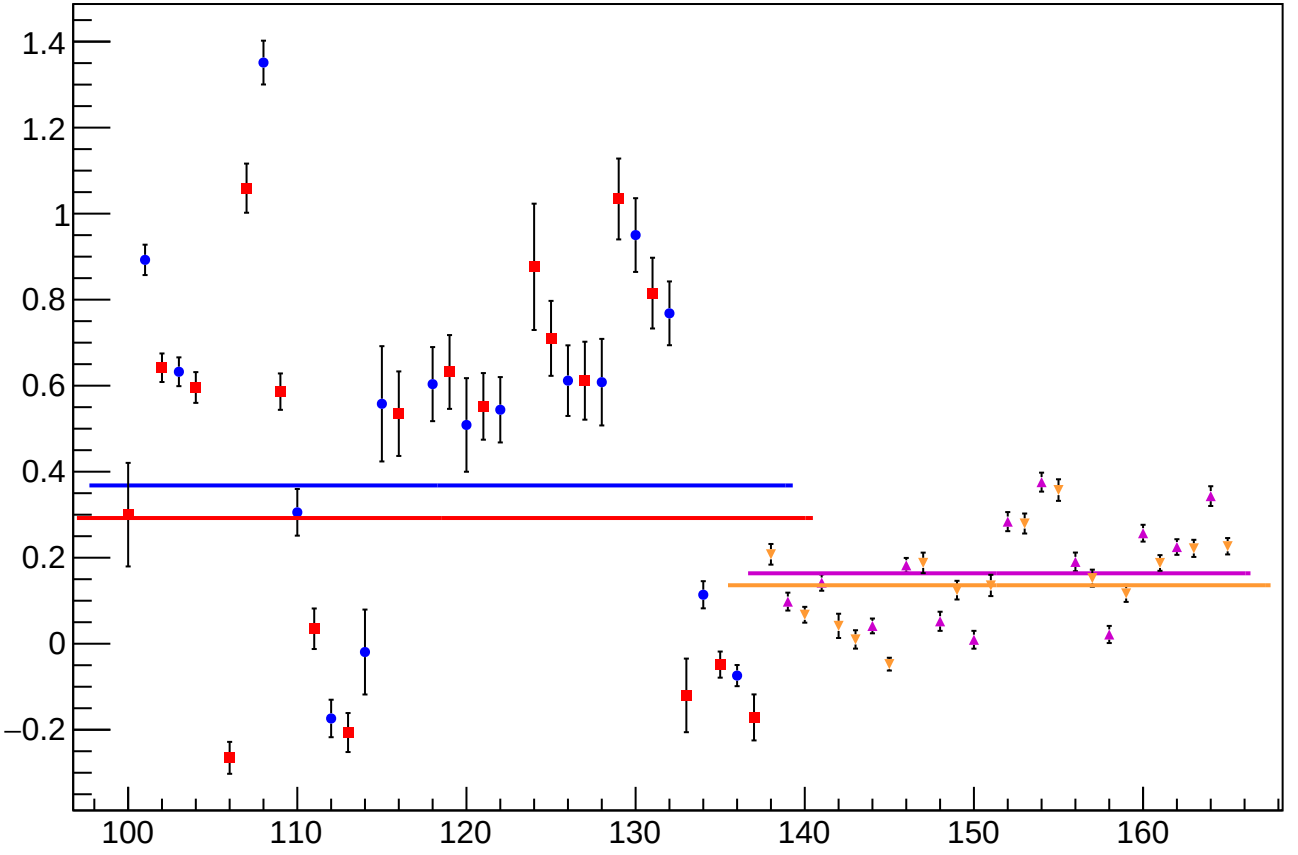
Left In: -35.078+/-0.119 χ^2/NDF:1258.2/12

+ sign -37.222+/-0.103 χ^2/NDF: 5586.2/30

All: -36.982+/-0.074 χ^2/NDF: 10221.4/62

- sign -36.729+/-0.105 χ^2/NDF: 4623.9/31

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: 0.136+/-0.005 χ^2/NDF:392.1/14

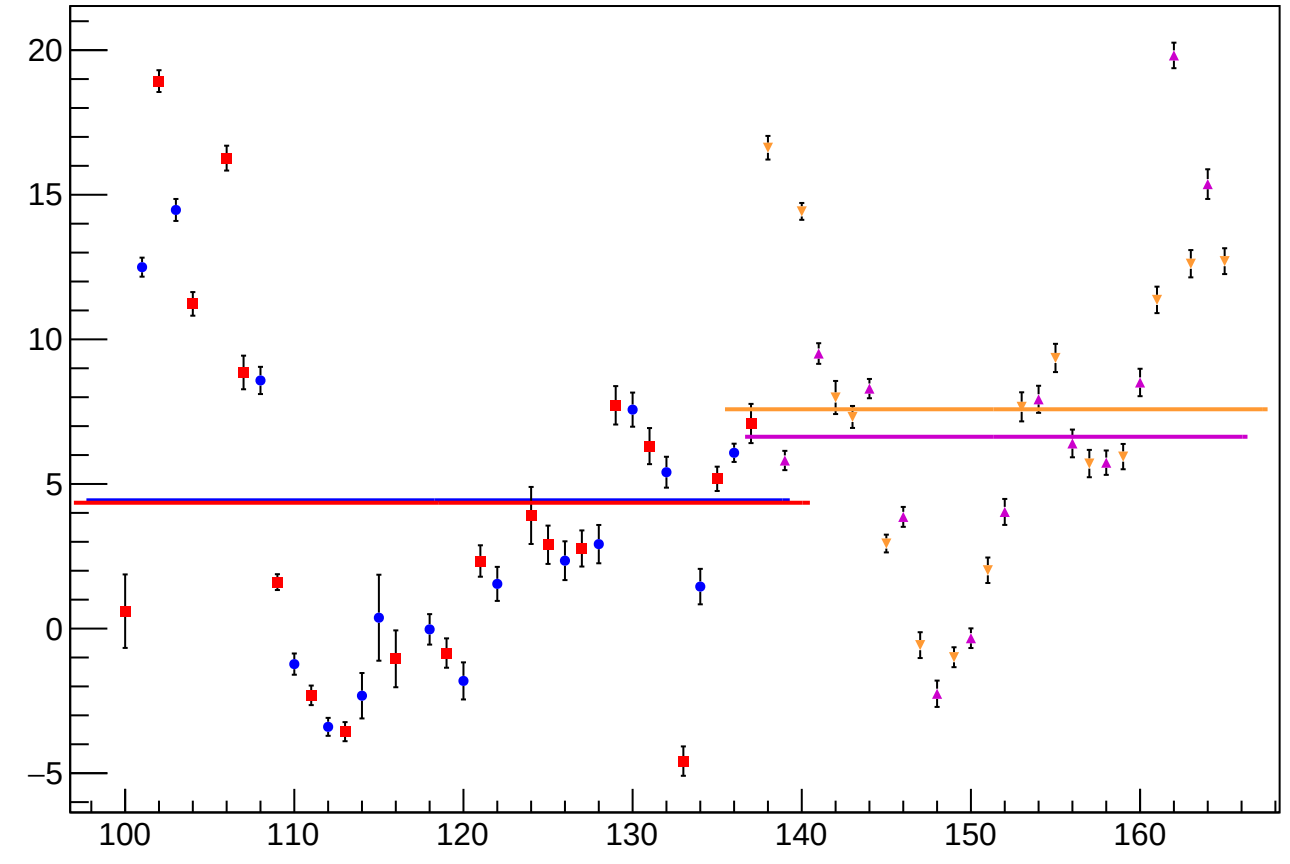
Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.164+/-0.006 χ^2/NDF:413.3/12

+ sign 0.173+/-0.005 χ^2/NDF: 2016.5/30

All: 0.180+/-0.004 χ^2/NDF: 3725.4/62

- sign 0.186+/-0.005 χ^2/NDF: 1705.7/31



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 7.583+/-0.106 χ^2/NDF:2739.9/14

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

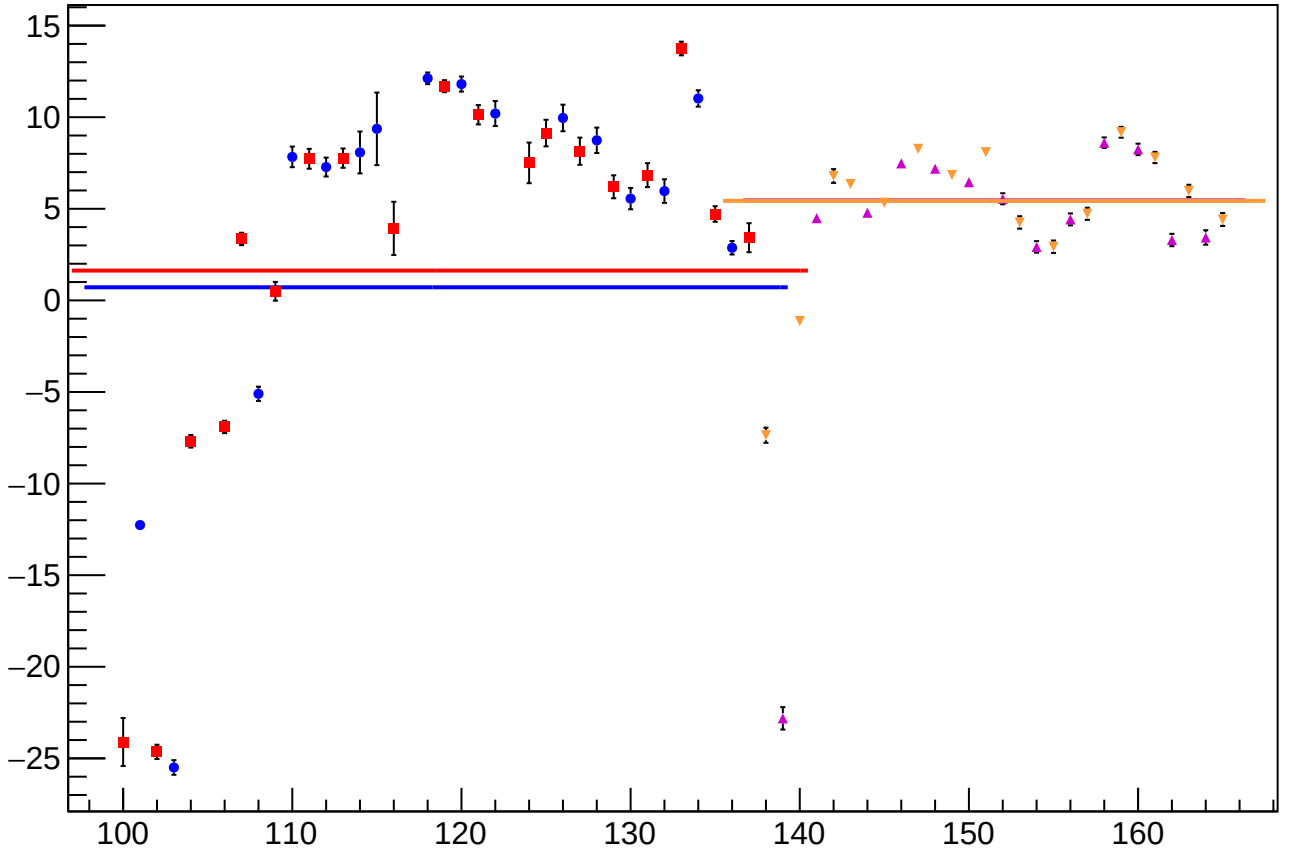
Left In: 6.632+/-0.111 χ^2/NDF:2205.4/12

+ sign 6.164+/-0.079 χ^2/NDF: 5759.7/30

All: 5.813+/-0.055 χ^2/NDF: 12424.1/62

- sign 5.468+/-0.078 χ^2/NDF: 6624.9/31

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: 5.434+/-0.074 χ^2/NDF:2343.3/14

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

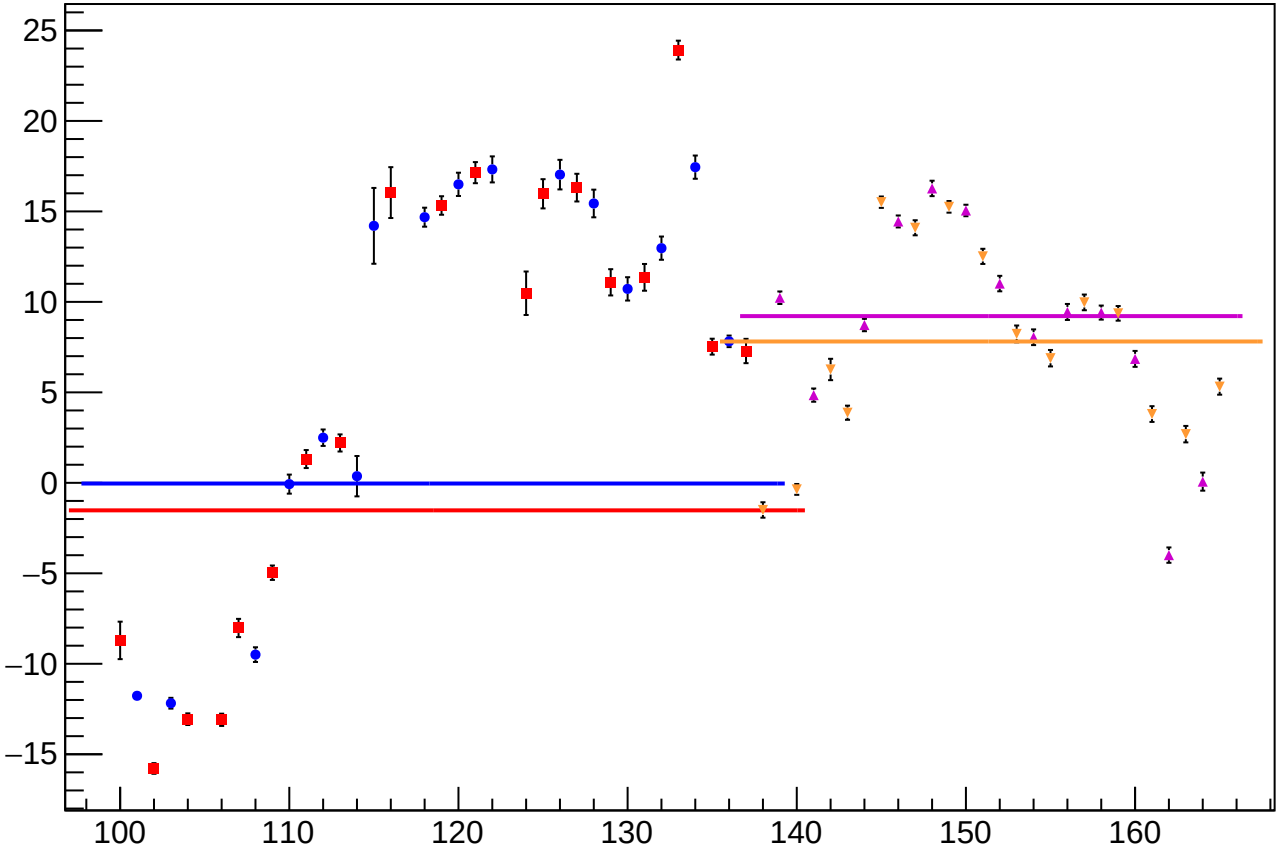
Left In: 5.460+/-0.078 χ^2/NDF:2671.1/12

+ sign 4.071+/-0.062 χ^2/NDF: 13975.9/30

All: 4.130+/-0.045 χ^2/NDF: 26701.6/62

- sign 4.191+/-0.064 χ^2/NDF: 12723.9/31

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: 7.812+/-0.104 χ^2/NDF:3101.3/14

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

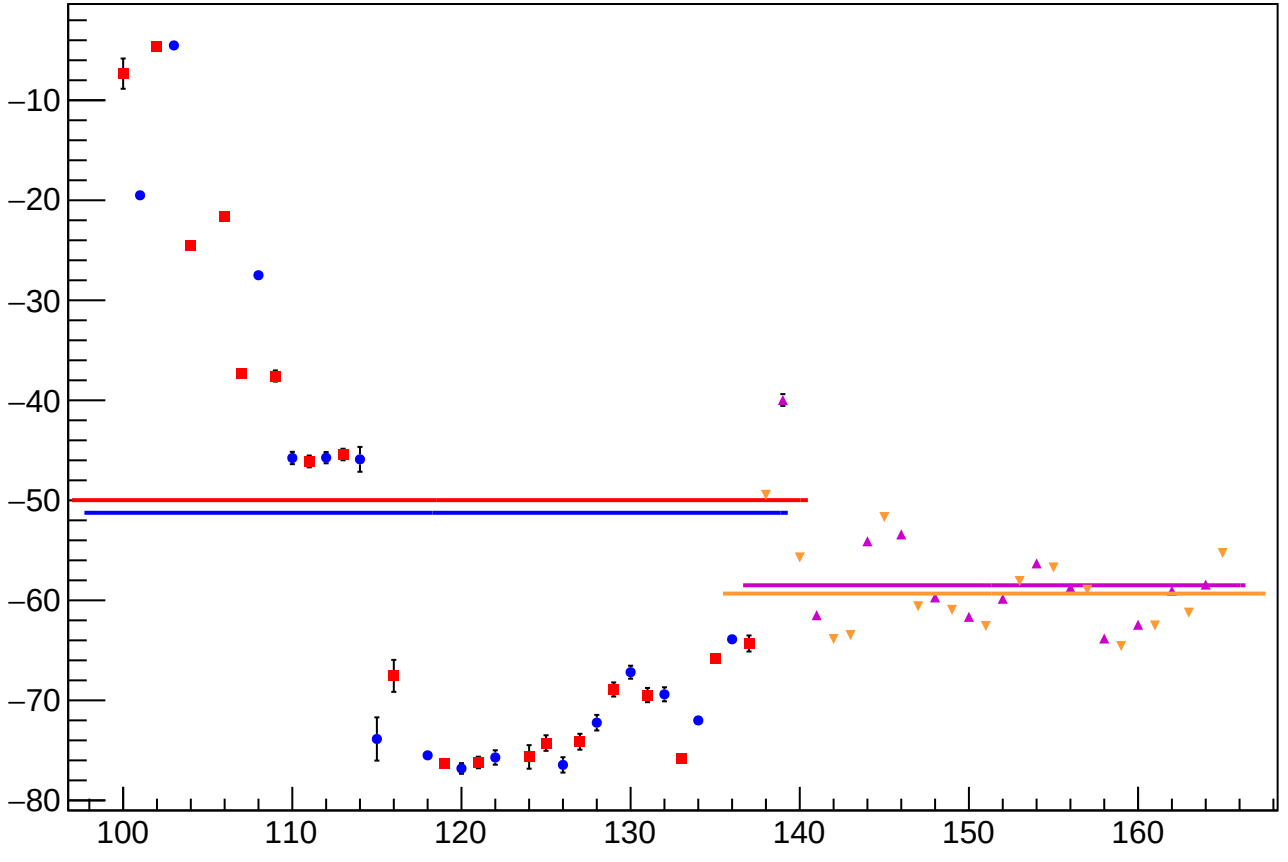
Left In: 9.214+/-0.108 χ^2/NDF:2371.9/12

+ sign 4.441+/-0.078 χ^2/NDF: 14843.6/30

All: 4.319+/-0.055 χ^2/NDF: 33983.5/62

- sign 4.195+/-0.079 χ^2/NDF: 19134.9/31

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -59.324+/-0.086 χ^2/NDF:2289.2/14

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

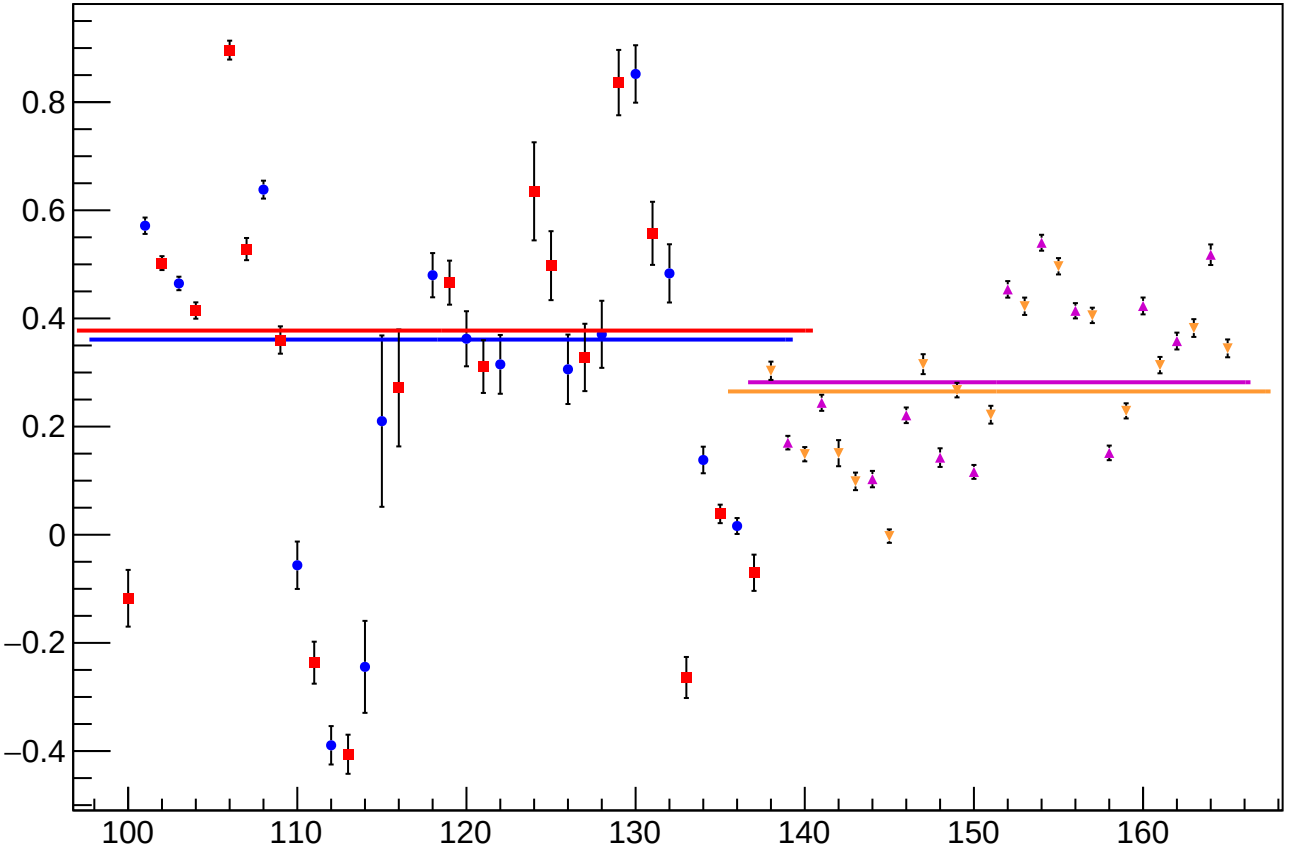
Left In: -58.494+/-0.091 χ^2/NDF:2358.3/12

+ sign -57.000+/-0.073 χ^2/NDF: 38576.6/30

All: -56.377+/-0.052 χ^2/NDF: 77838.5/62

- sign -55.724+/-0.075 χ^2/NDF: 39111.9/31

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: 0.265+/-0.004 χ^2/NDF:1204.5/14

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

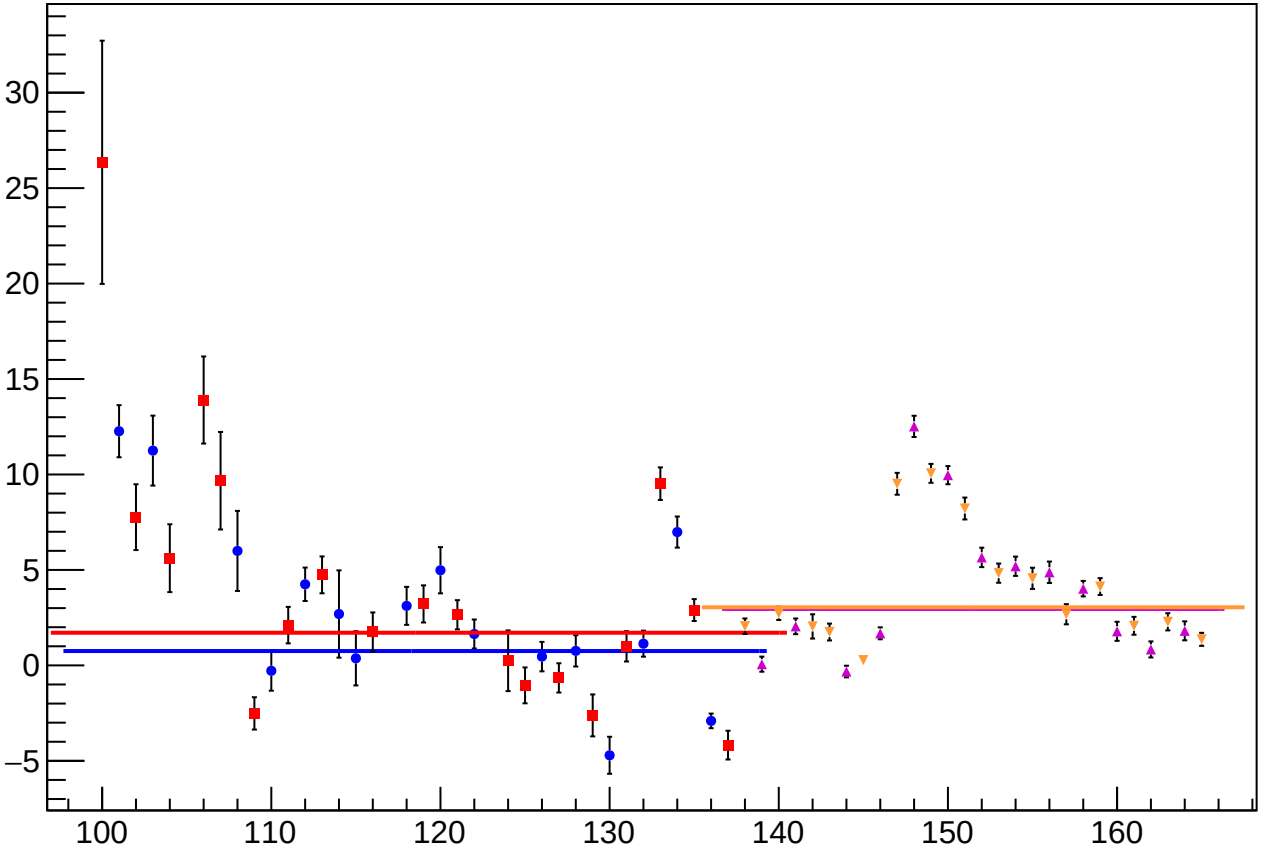
Left In: 0.282+/-0.004 χ^2/NDF:1347.5/12

+ sign 0.292+/-0.003 χ^2/NDF: 3228.0/30

All: 0.302+/-0.002 χ^2/NDF: 7551.7/62

- sign 0.312+/-0.003 χ^2/NDF: 4306.9/31

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: 3.044+/-0.112 χ^2/NDF:595.4/14

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

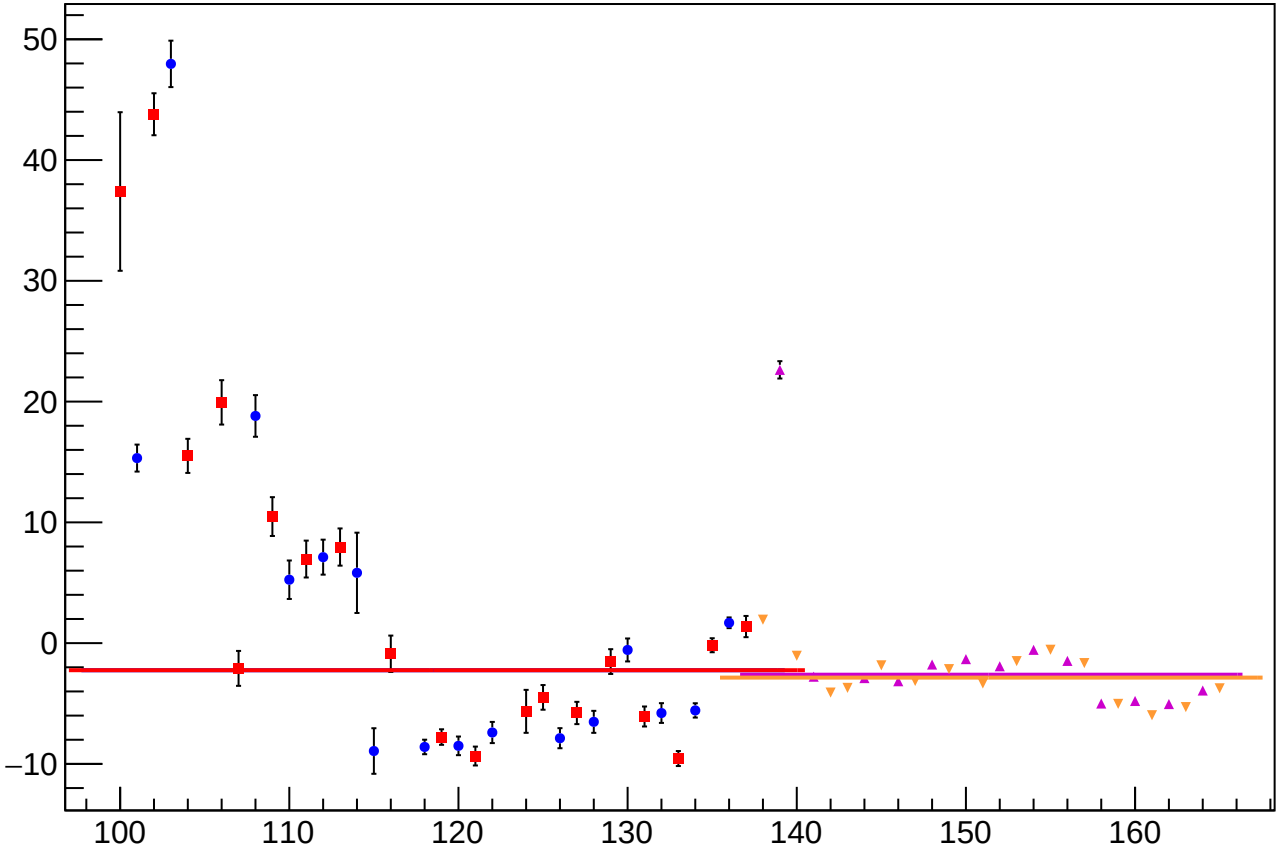
Left In: 2.958+/-0.118 χ^2/NDF:806.9/12

+ sign 2.549+/-0.099 χ^2/NDF: 1016.8/30

All: 2.613+/-0.072 χ^2/NDF: 2142.9/62

- sign 2.685+/-0.104 χ^2/NDF: 1125.2/31

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: -2.854+/-0.080 χ^2/NDF:517.0/14

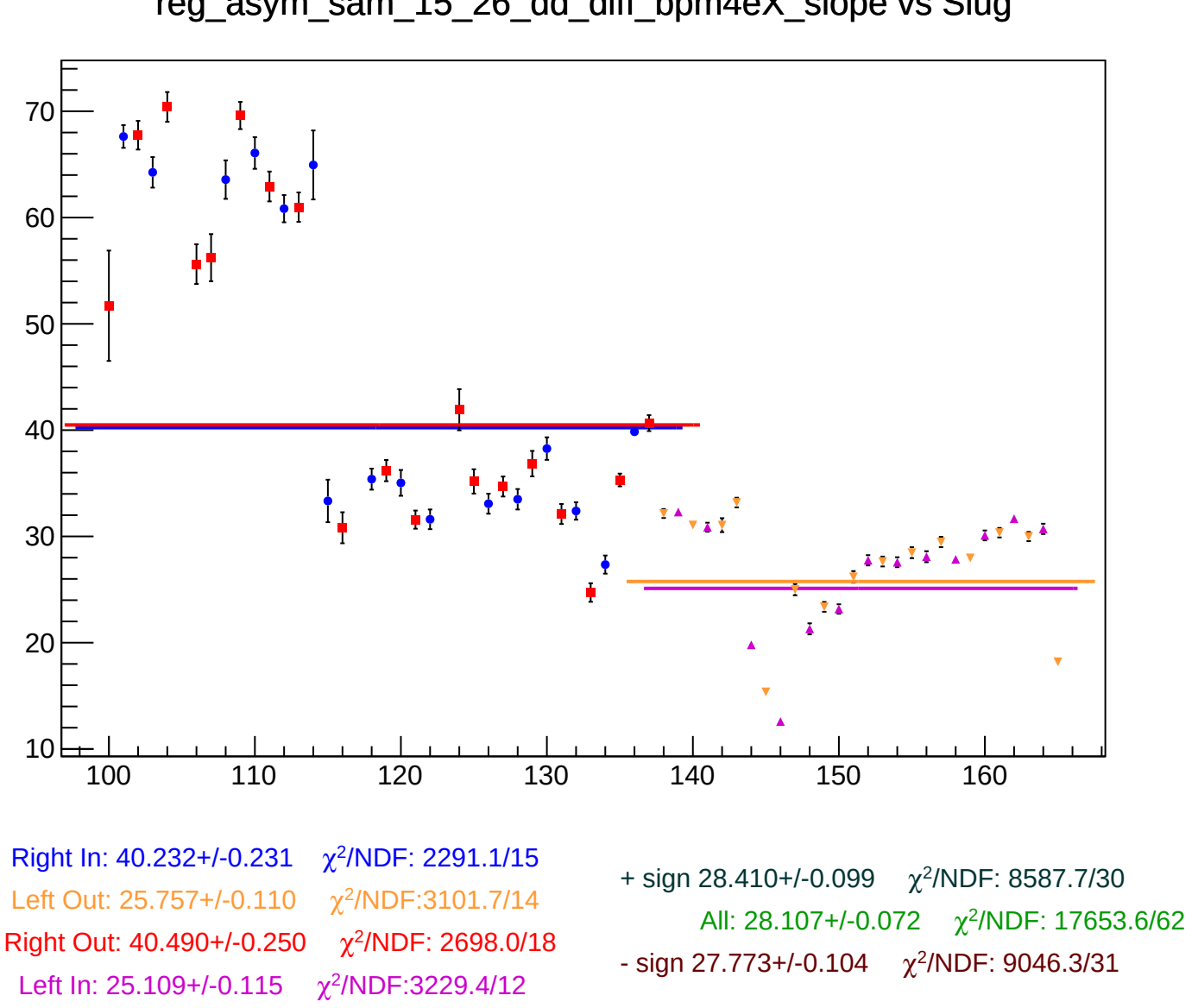
Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

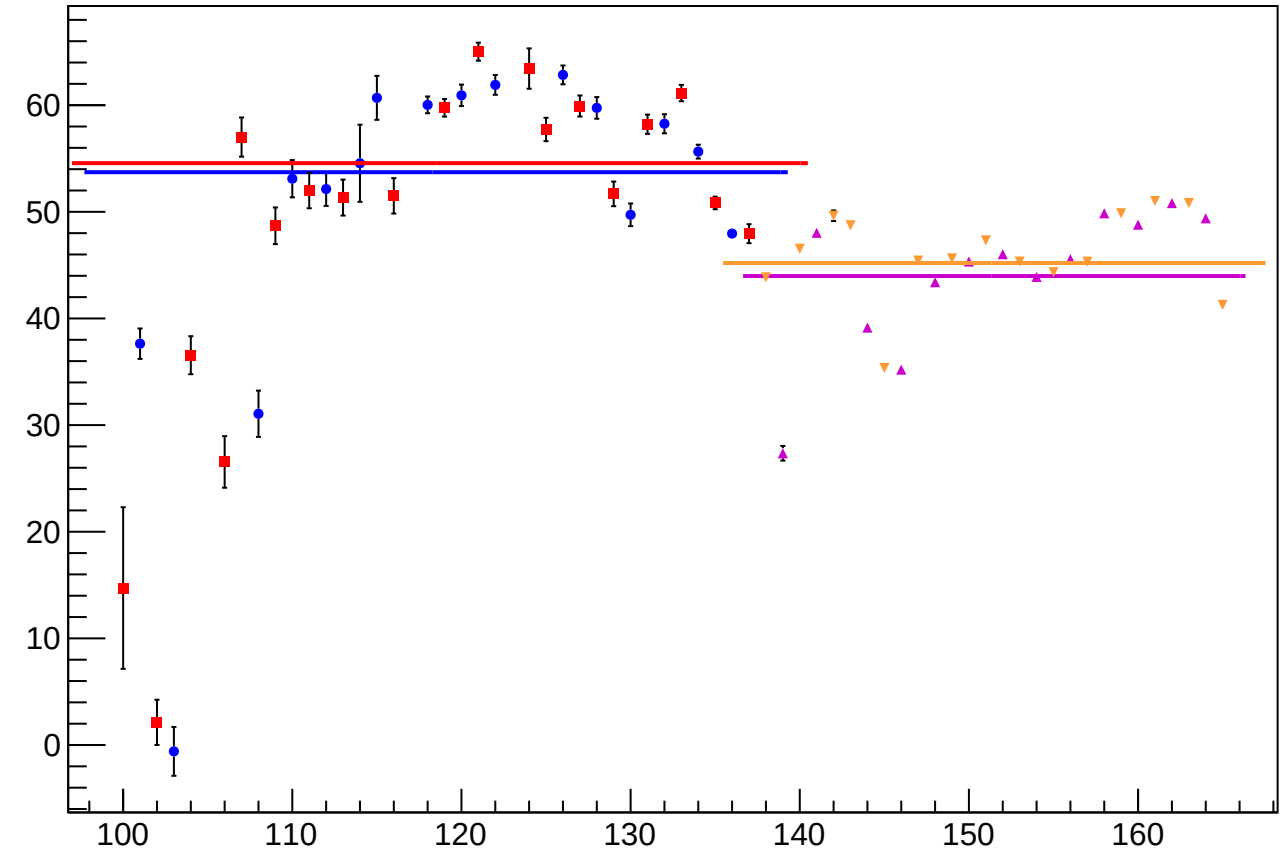
Left In: -2.614+/-0.083 χ^2/NDF:1509.5/12

+ sign -2.781+/-0.075 χ^2/NDF: 2096.6/30

All: -2.680+/-0.054 χ^2/NDF: 5167.9/62

- sign -2.571+/-0.078 χ^2/NDF: 3067.5/31


reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 40.232+/-0.231 χ²/NDF: 2291.1/15
Left Out: 25.757+/-0.110 χ²/NDF:3101.7/14
Right Out: 40.490+/-0.250 χ²/NDF: 2698.0/18
Left In: 25.109+/-0.115 χ²/NDF:3229.4/12
+ sign 28.410+/-0.099 χ²/NDF: 8587.7/30
All: 28.107+/-0.072 χ²/NDF: 17653.6/62
- sign 27.773+/-0.104 χ²/NDF: 9046.3/31



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.199+/-0.091 χ^2/NDF:2820.8/14

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

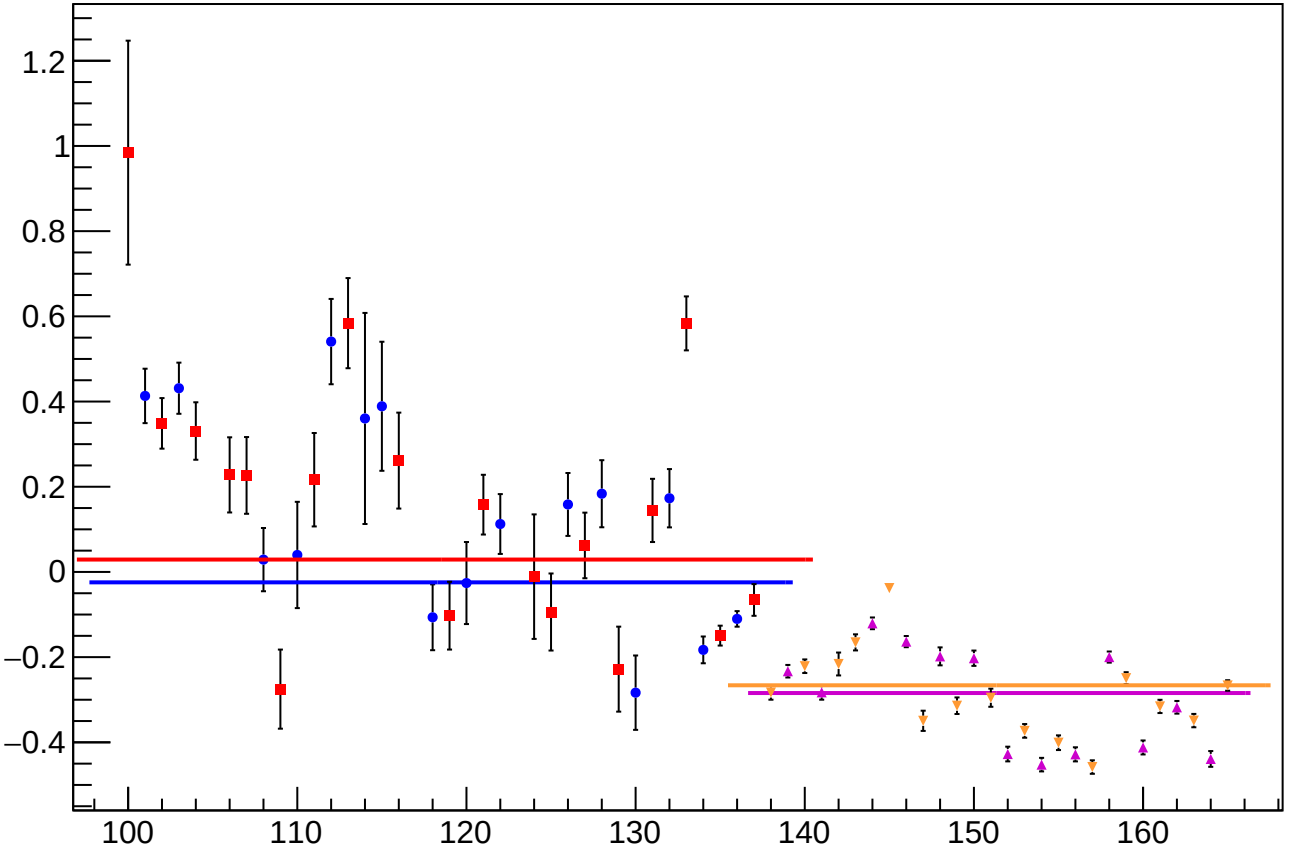
Left In: 43.978+/-0.096 χ^2/NDF:3646.4/12

+ sign 46.287+/-0.085 χ^2/NDF: 5290.8/30

All: 45.804+/-0.062 χ^2/NDF: 11846.8/62

- sign 45.272+/-0.090 χ^2/NDF: 6488.7/31

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: -0.266+/-0.004 χ^2/NDF:800.9/14

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

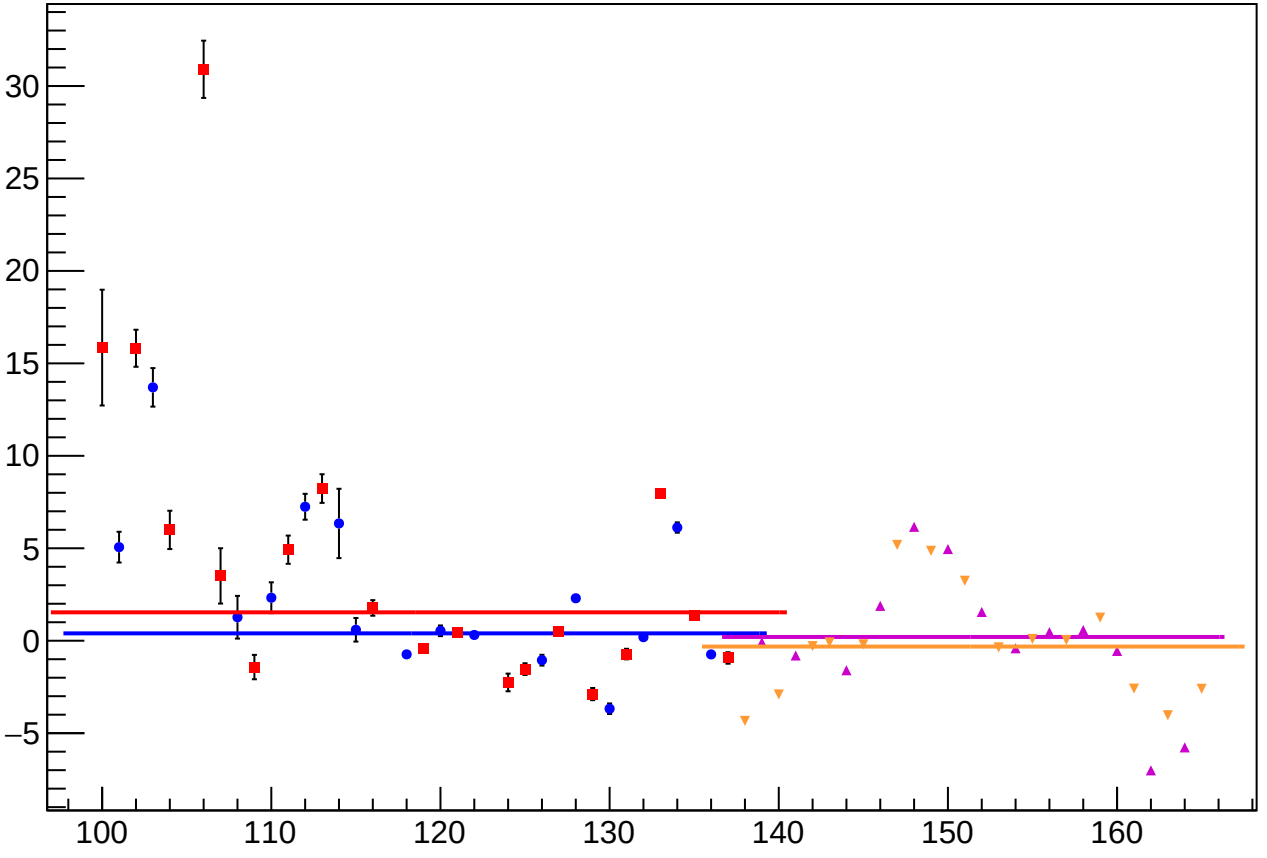
Left In: -0.284+/-0.004 χ^2/NDF:708.2/12

+ sign -0.243+/-0.004 χ^2/NDF: 1352.8/30

All: -0.250+/-0.003 χ^2/NDF: 2785.6/62

- sign -0.257+/-0.004 χ^2/NDF: 1426.6/31

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: -0.315+/-0.043 χ^2/NDF:4063.2/14

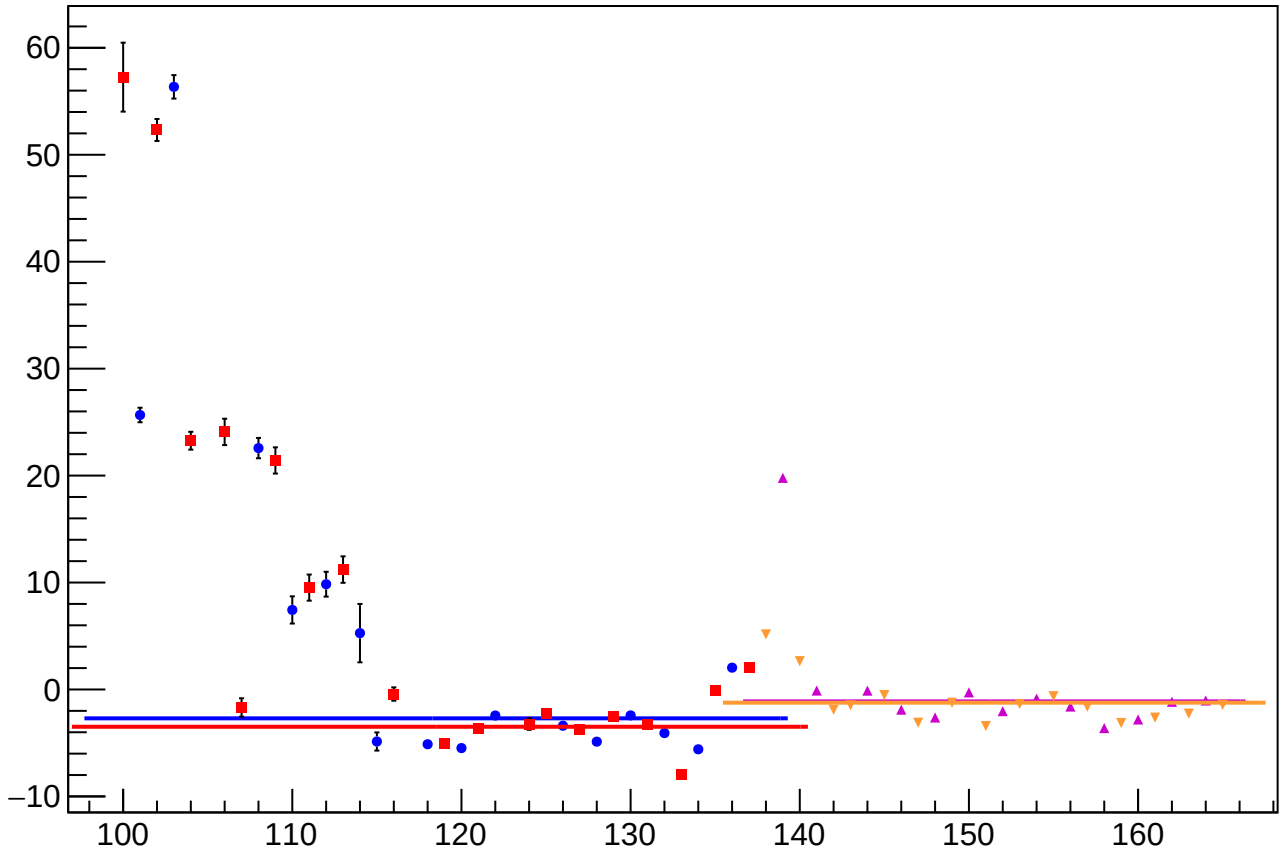
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.204+/-0.044 χ^2/NDF:4841.1/12

+ sign -0.147+/-0.037 χ^2/NDF: 5226.0/30

All: 0.181+/-0.027 χ^2/NDF: 12855.3/62

- sign 0.527+/-0.039 χ^2/NDF: 7472.0/31



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.234+/-0.030 χ^2/NDF:4174.3/14

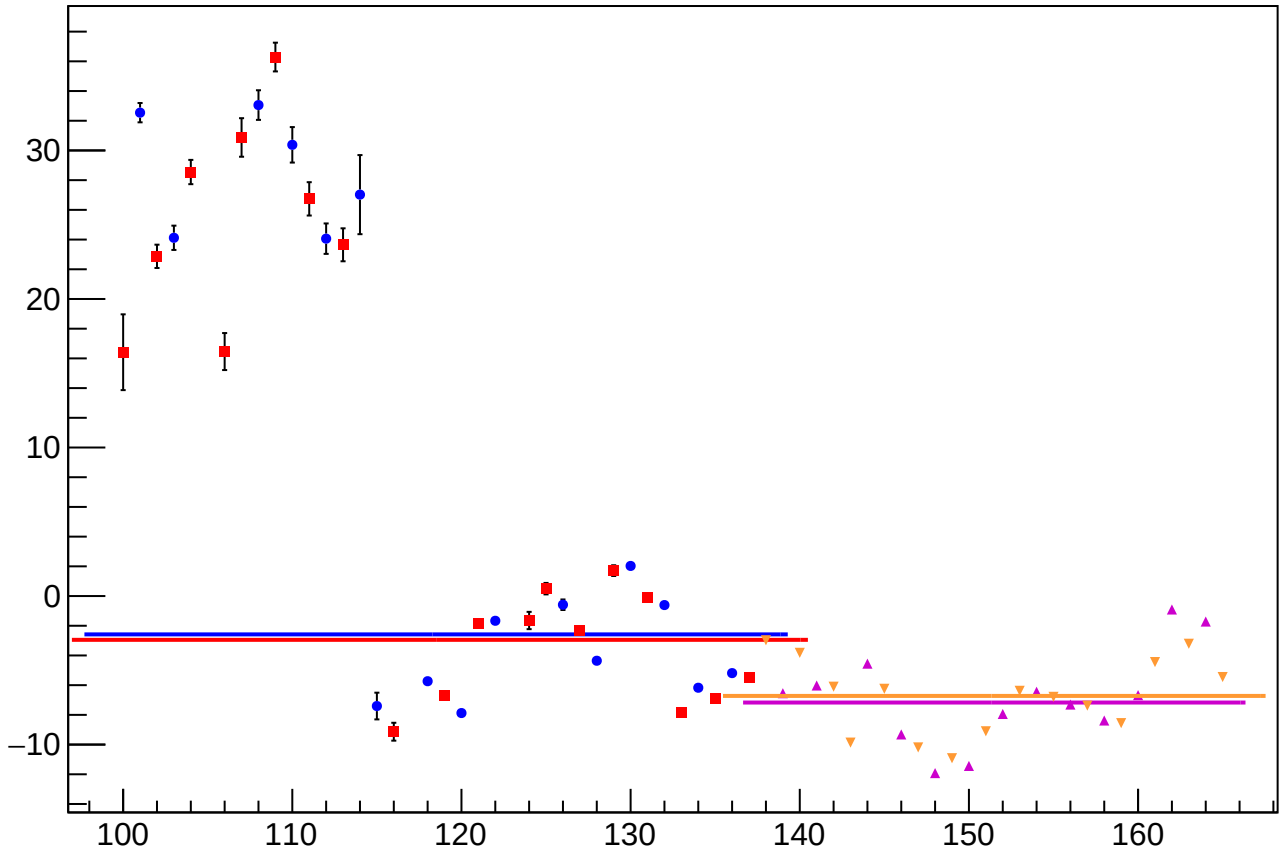
Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.113+/-0.031 χ^2/NDF:8064.0/12

+ sign -1.462+/-0.028 χ^2/NDF: 11640.3/30

All: -1.477+/-0.020 χ^2/NDF: 27806.3/62

- sign -1.493+/-0.028 χ^2/NDF: 16165.4/31



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.724+/-0.042 χ^2/NDF:3435.3/14

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

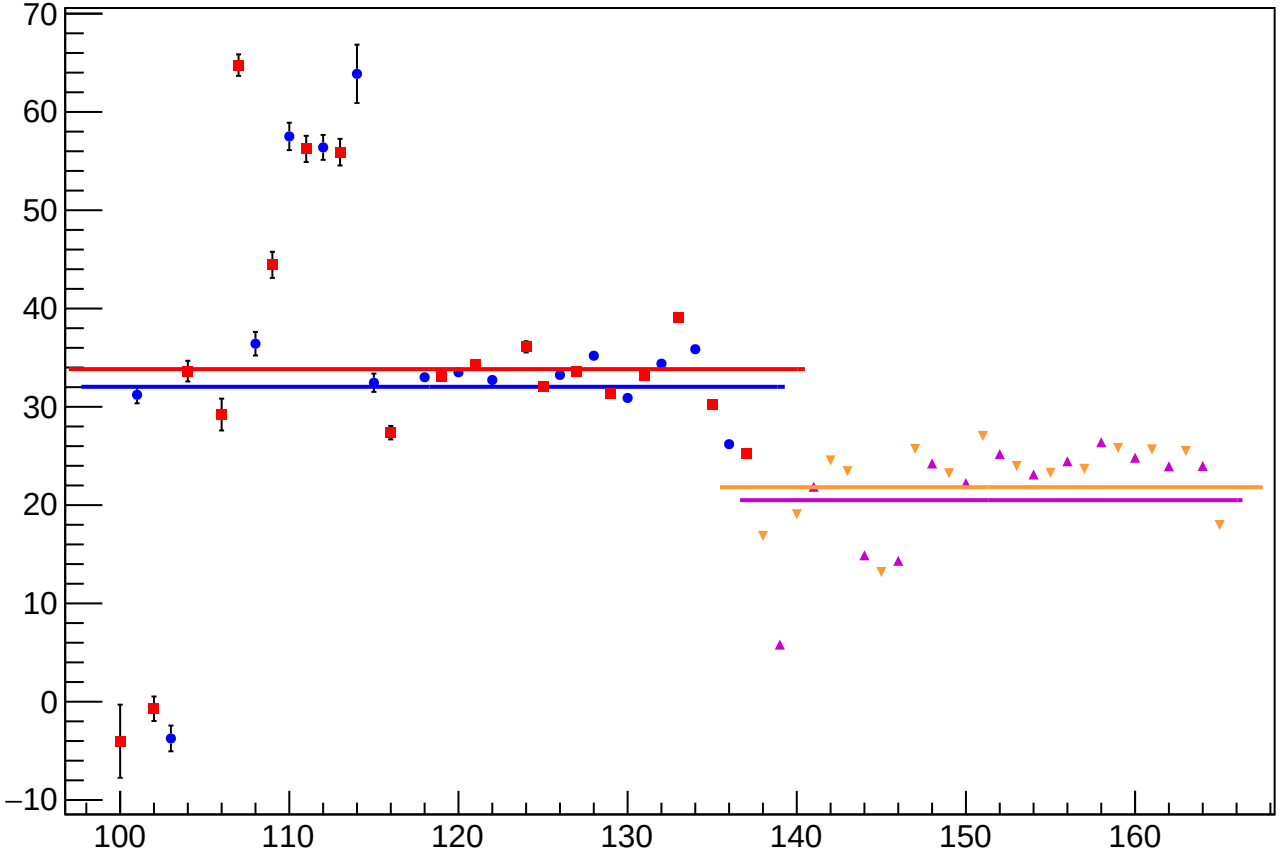
Left In: -7.170+/-0.043 χ^2/NDF:4607.4/12

+ sign -5.878+/-0.038 χ^2/NDF: 13572.6/30

All: -6.088+/-0.027 χ^2/NDF: 28405.7/62

- sign -6.307+/-0.038 χ^2/NDF: 14769.1/31

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: 21.825+/-0.035 χ^2/NDF:16357.8/14

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

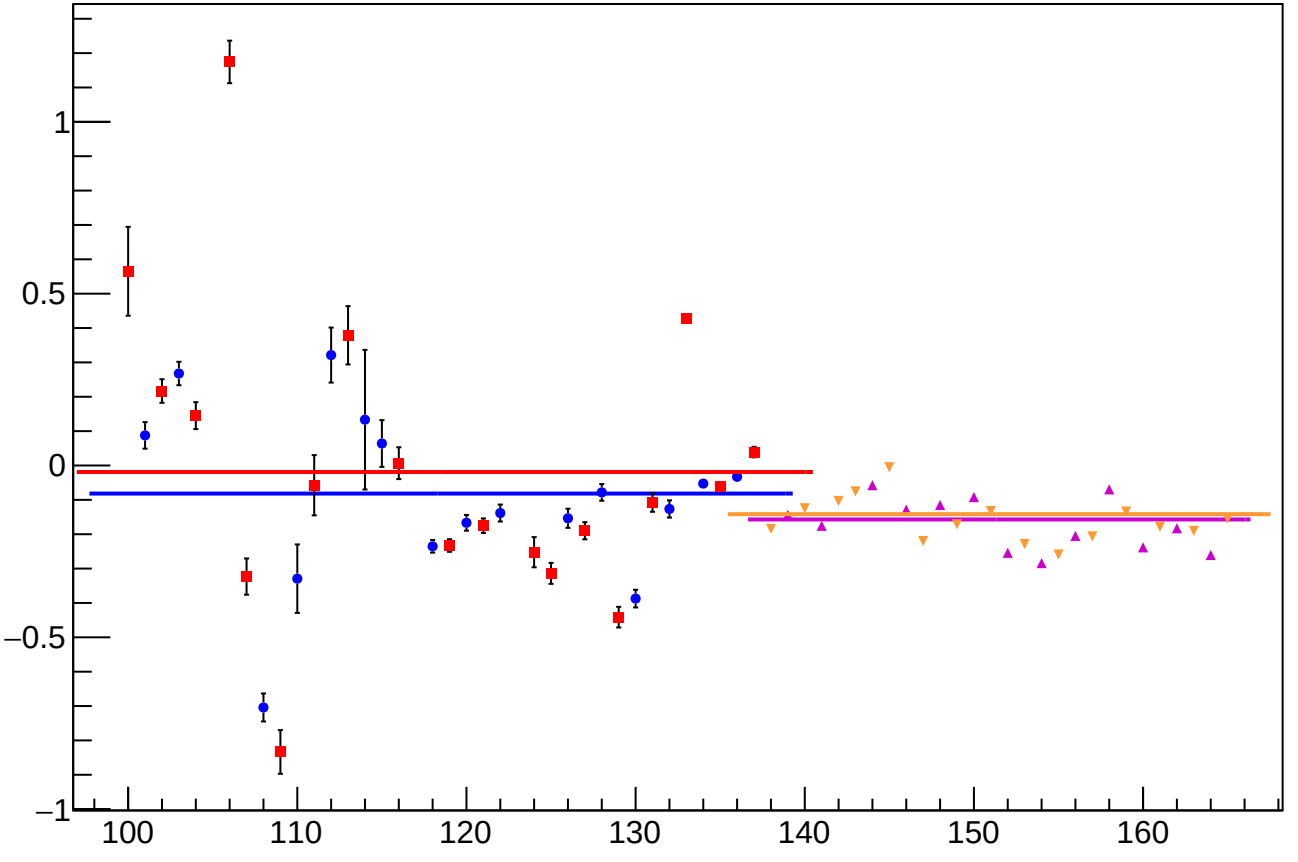
Left In: 20.506+/-0.036 χ^2/NDF:18990.0/12

+ sign 23.452+/-0.032 χ^2/NDF: 32884.1/30

All: 23.081+/-0.023 χ^2/NDF: 78673.9/62

- sign 22.696+/-0.033 χ^2/NDF: 45523.6/31

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.142+/-0.002 χ^2/NDF:2149.1/14

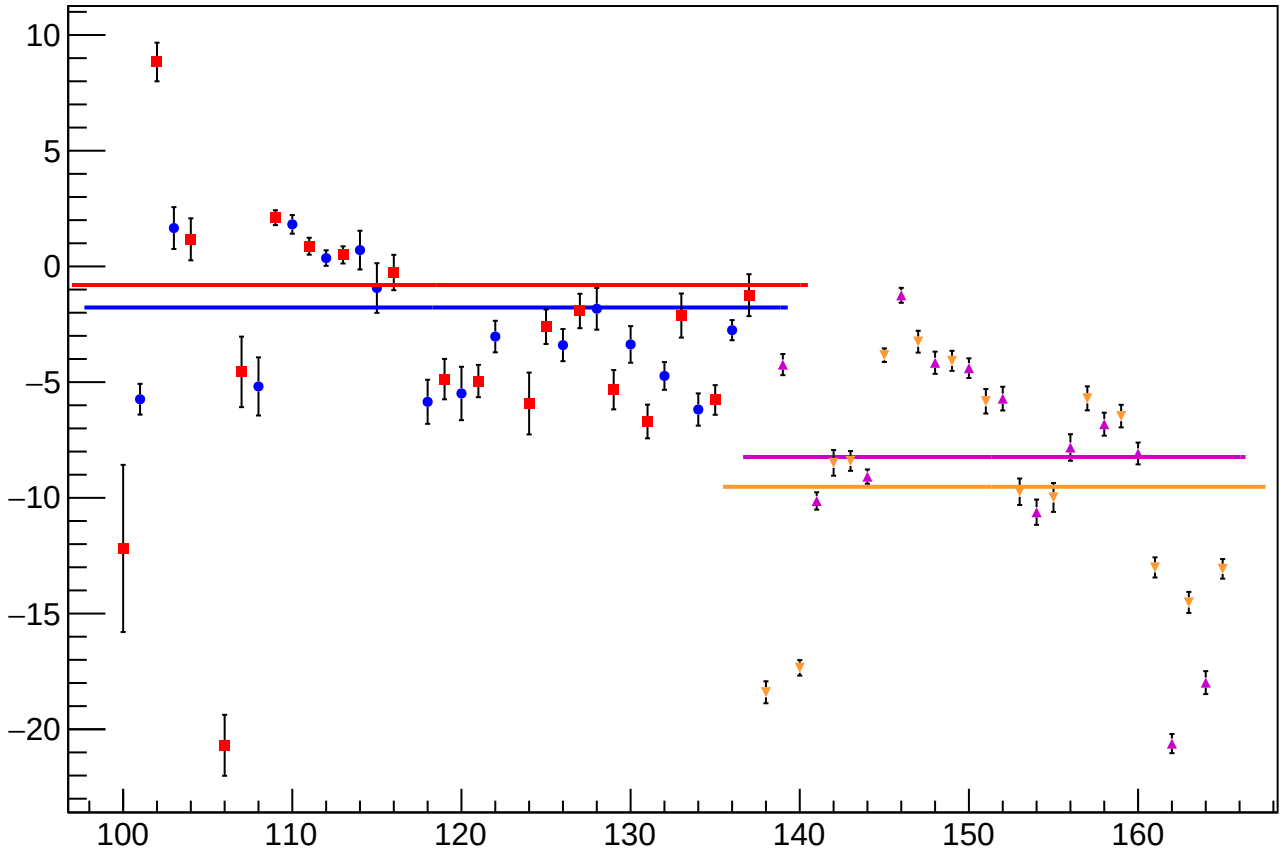
Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.157+/-0.002 χ^2/NDF:1829.0/12

+ sign -0.136+/-0.002 χ^2/NDF: 2976.9/30

All: -0.140+/-0.001 χ^2/NDF: 7735.2/62

- sign -0.144+/-0.002 χ^2/NDF: 4742.7/31



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.524+/-0.115 χ^2/NDF:2011.5/14

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

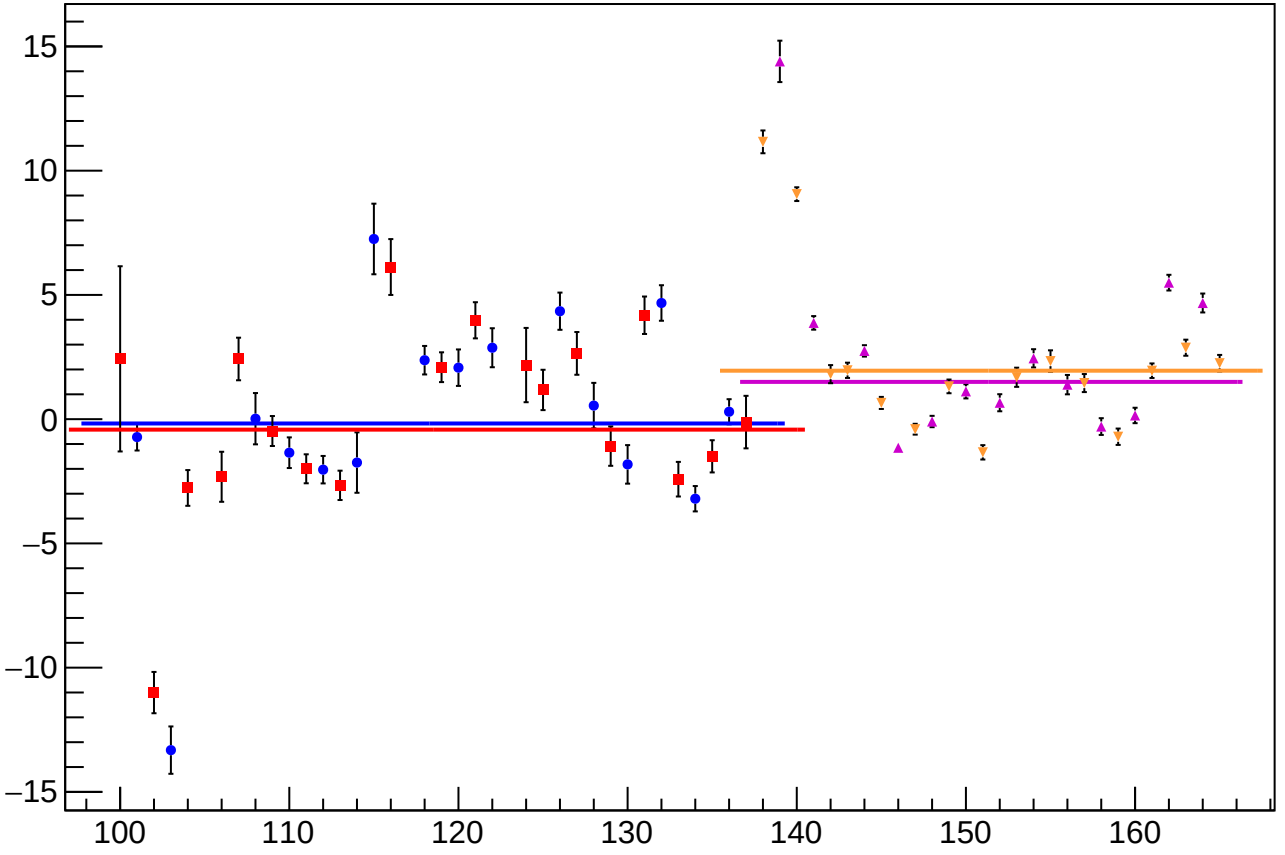
Left In: -8.234+/-0.119 χ^2/NDF:2066.9/12

+ sign -6.836+/-0.093 χ^2/NDF: 3897.6/30

All: -6.080+/-0.066 χ^2/NDF: 8357.6/62

- sign -5.319+/-0.093 χ^2/NDF: 4326.2/31

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.950+/-0.080 χ^2/NDF:1419.1/14

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

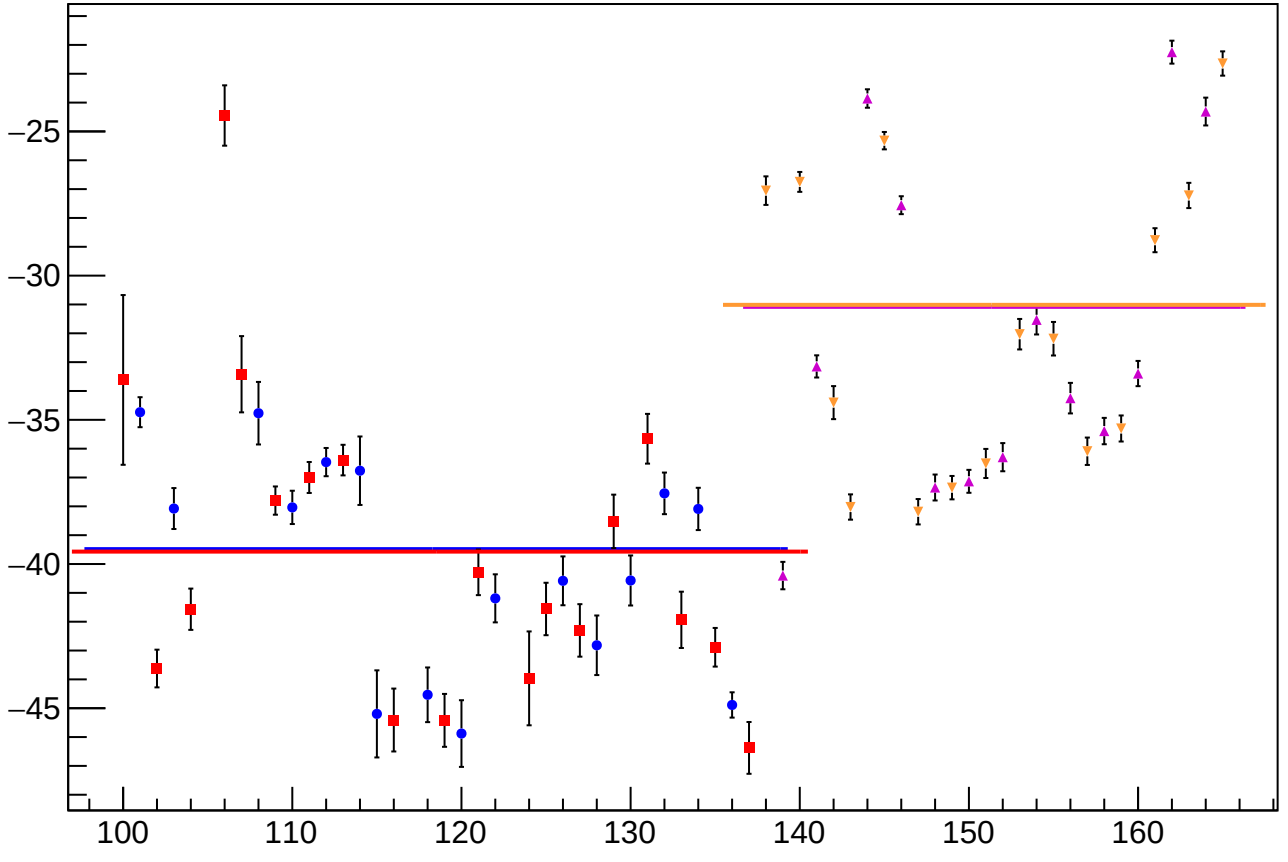
Left In: 1.500+/-0.082 χ^2/NDF:871.3/12

+ sign 1.580+/-0.072 χ^2/NDF: 1946.7/30

All: 1.377+/-0.052 χ^2/NDF: 3297.4/62

- sign 1.164+/-0.074 χ^2/NDF: 1334.6/31

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.013+/-0.112 χ^2/NDF:2203.6/14

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

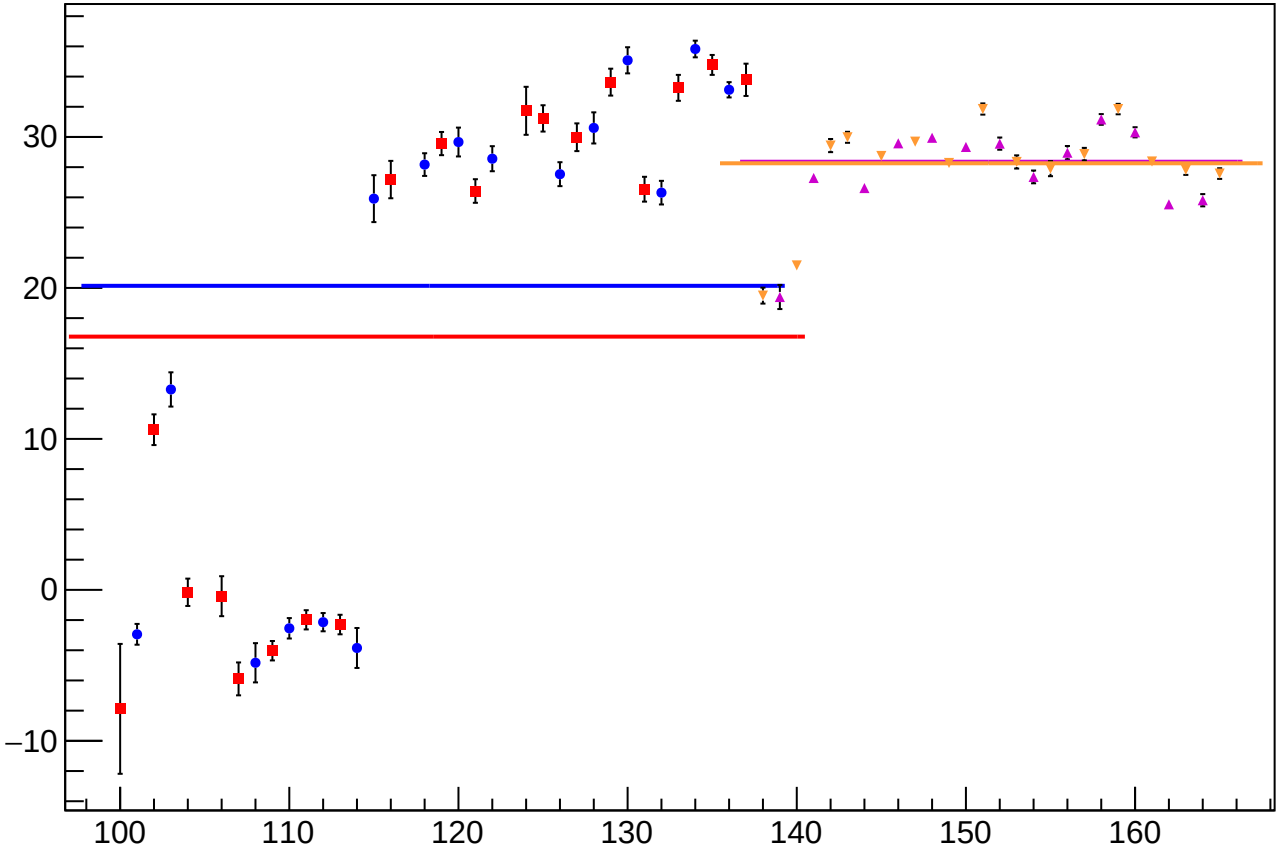
Left In: -31.083+/-0.116 χ^2/NDF:2433.9/12

+ sign -33.380+/-0.095 χ^2/NDF: 4204.5/30

All: -33.459+/-0.068 χ^2/NDF: 8755.5/62

- sign -33.541+/-0.097 χ^2/NDF: 4549.5/31

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 28.256+/-0.093 χ^2/NDF:953.6/14

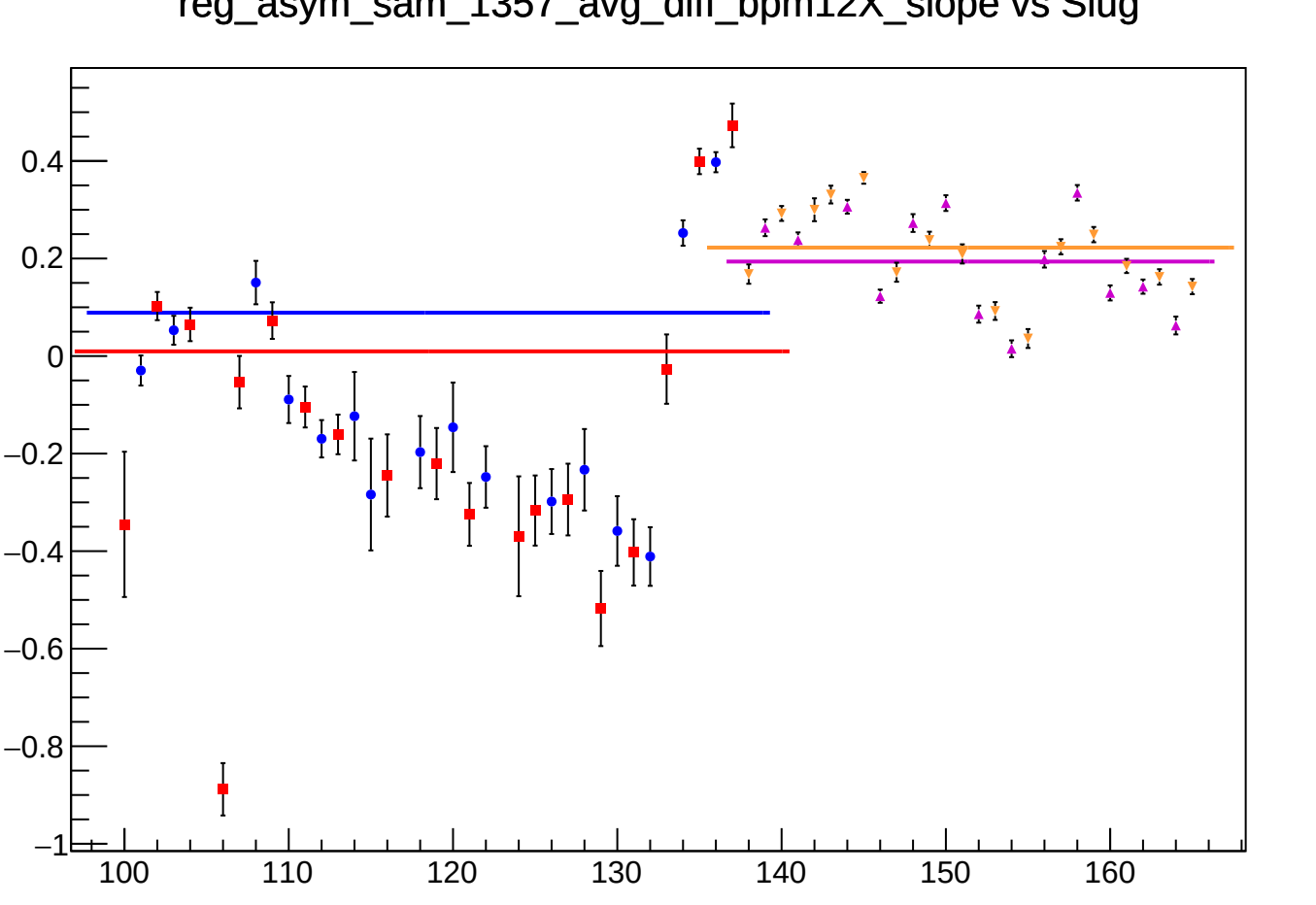
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.360+/-0.095 χ^2/NDF:463.2/12

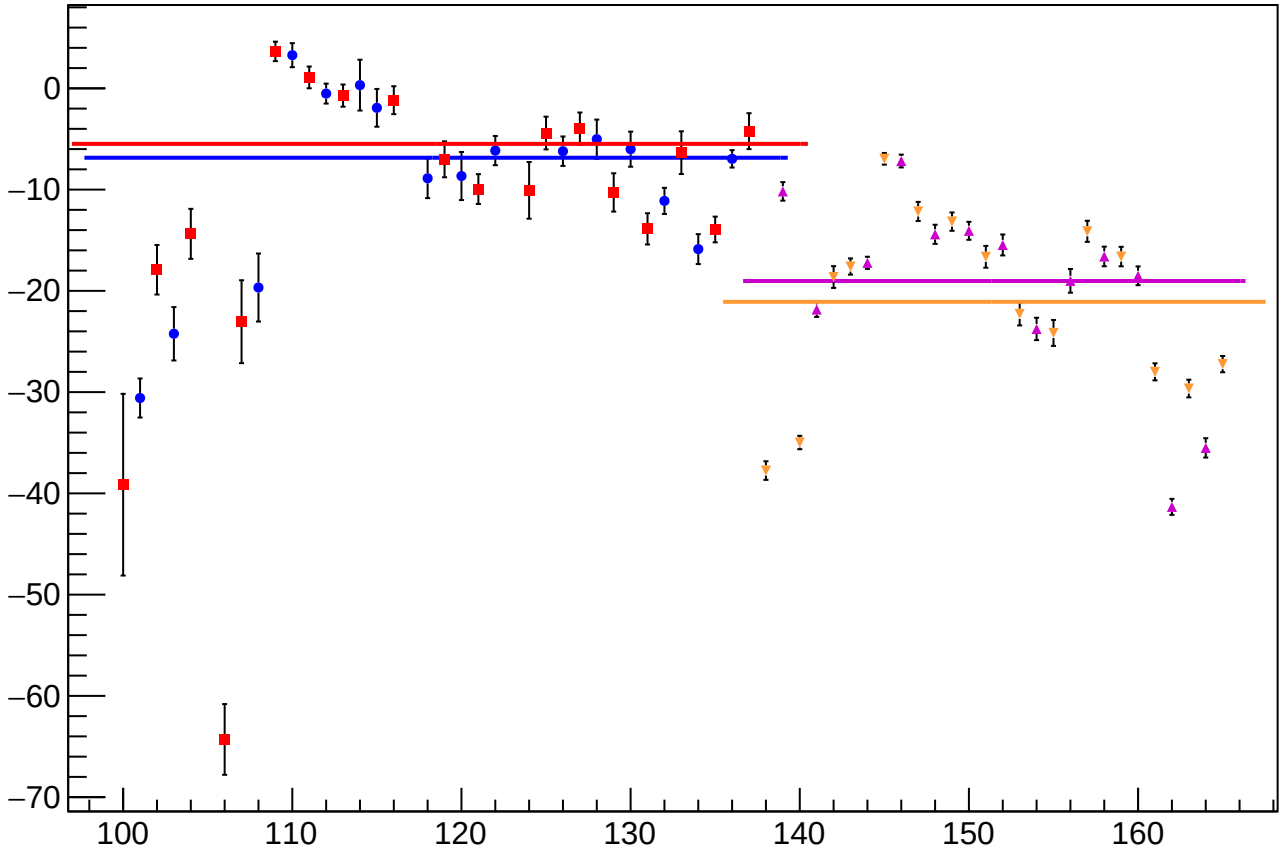
\+ sign 26.756+/-0.084 χ^2/NDF: 9054.6/30

All: 26.490+/-0.060 χ^2/NDF: 19017.8/62

\- sign 26.209+/-0.086 χ^2/NDF: 9942.4/31


reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
Right In: 0.089+/-0.010 χ²/NDF: 563.9/15
Left Out: 0.222+/-0.004 χ²/NDF:419.3/14
Right Out: 0.010+/-0.011 χ²/NDF: 834.8/18
Left In: 0.194+/-0.004 χ²/NDF:494.8/12
+ sign 0.203+/-0.004 χ²/NDF: 1123.6/30
All: 0.186+/-0.003 χ²/NDF: 2730.6/62
- sign 0.168+/-0.004 χ²/NDF: 1569.8/31

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -21.083+/-0.225 χ^2/NDF:1873.5/14

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

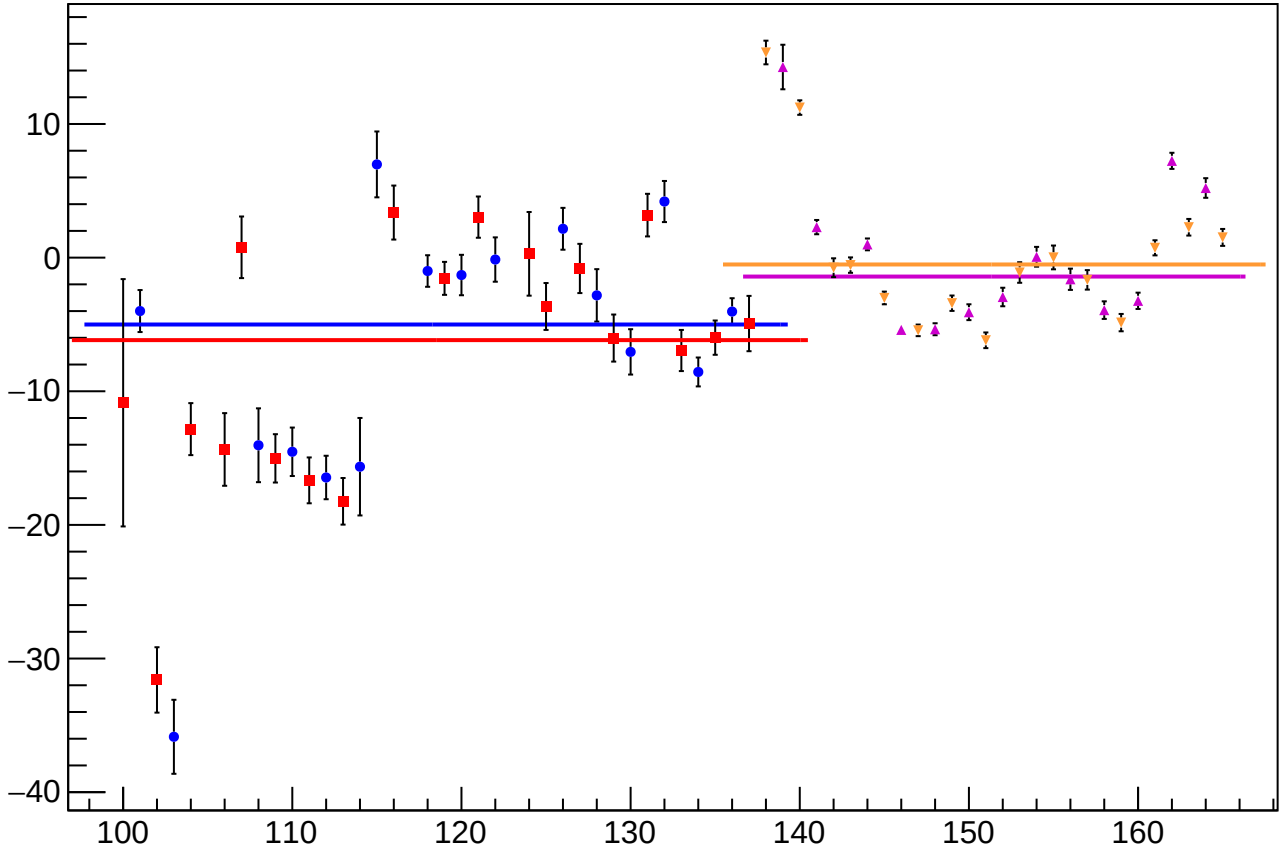
Left In: -19.027+/-0.235 χ^2/NDF:1652.3/12

+ sign -17.324+/-0.193 χ^2/NDF: 3319.8/30

All: -16.250+/-0.138 χ^2/NDF: 6600.6/62

- sign -15.117+/-0.198 χ^2/NDF: 3217.2/31

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.512+/-0.157 χ^2/NDF:1146.3/14

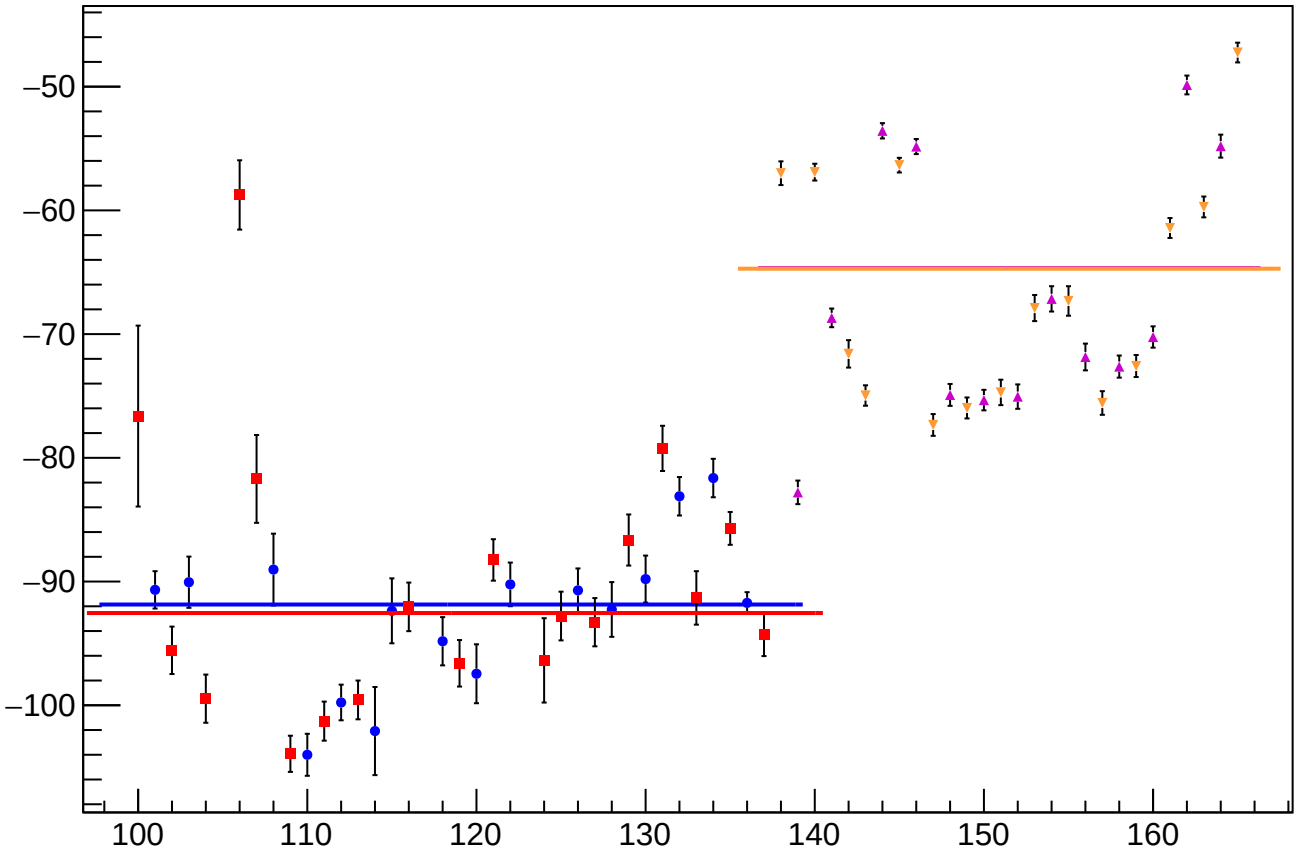
Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -1.417+/-0.160 χ^2/NDF:696.8/12

+ sign -1.122+/-0.146 χ^2/NDF: 1599.6/30

All: -1.564+/-0.104 χ^2/NDF: 2798.0/62

- sign -2.030+/-0.150 χ^2/NDF: 1179.5/31



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -64.712+/-0.221 χ^2/NDF:1817.5/14

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

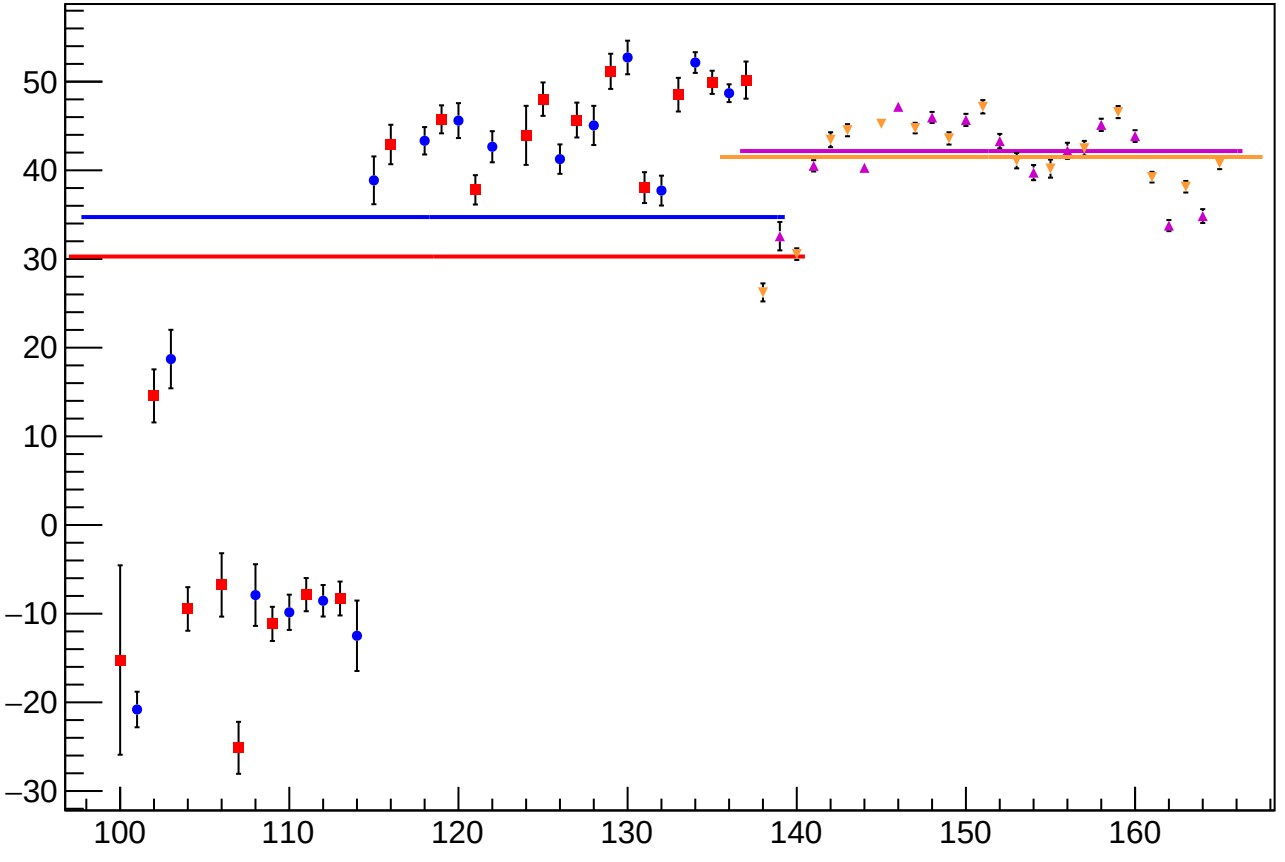
Left In: -64.666+/-0.228 χ^2/NDF:2043.9/12

\+ sign -70.506+/-0.196 χ^2/NDF: 5217.6/30

All: -70.547+/-0.141 χ^2/NDF: 10821.5/62

\- sign -70.590+/-0.202 χ^2/NDF: 5603.8/31

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.503+/-0.182 χ^2/NDF:771.5/14

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

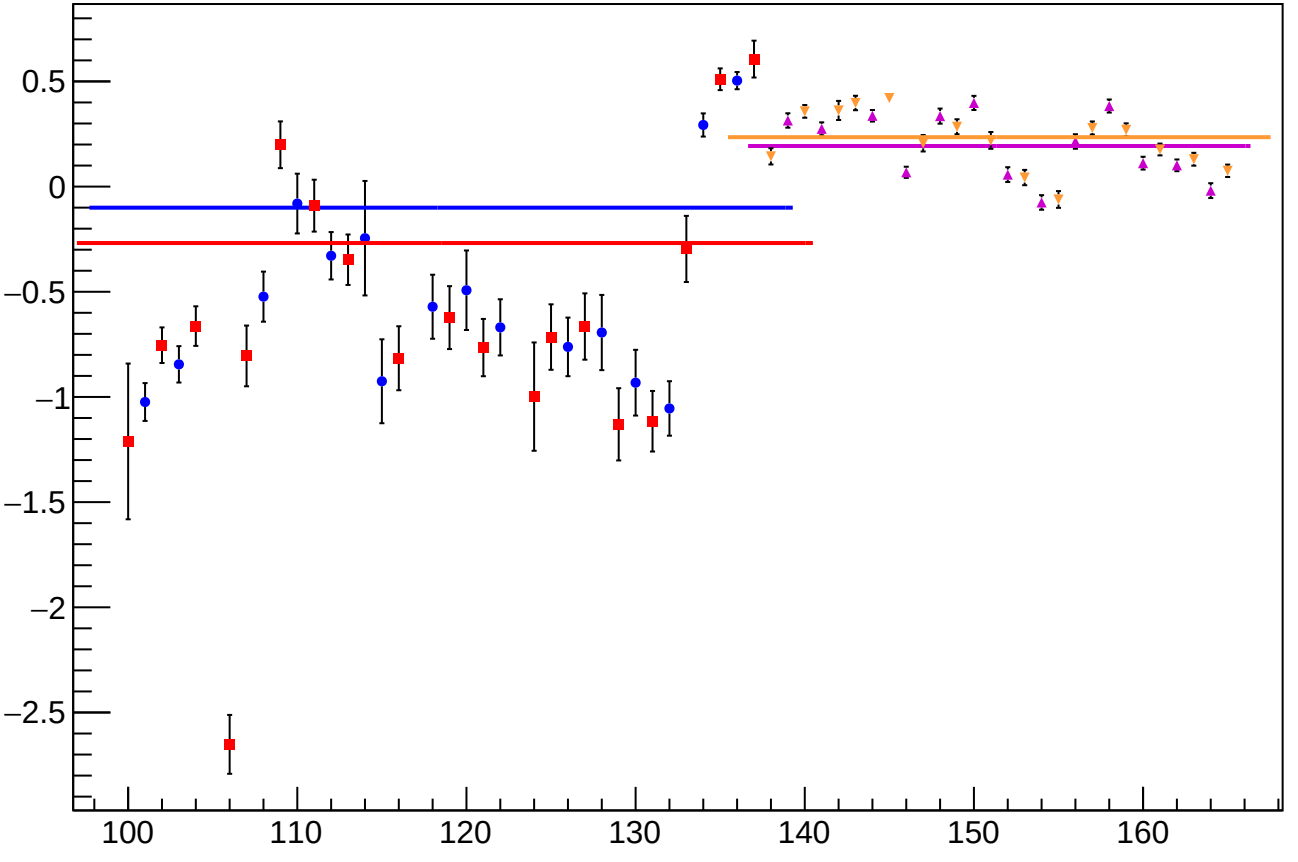
Left In: 42.172+/-0.188 χ^2/NDF:533.4/12

+ sign 40.517+/-0.169 χ^2/NDF: 3781.4/30

All: 40.518+/-0.121 χ^2/NDF: 7784.1/62

- sign 40.519+/-0.174 χ^2/NDF: 4002.7/31

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.235+/-0.008 χ^2/NDF:249.3/14

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

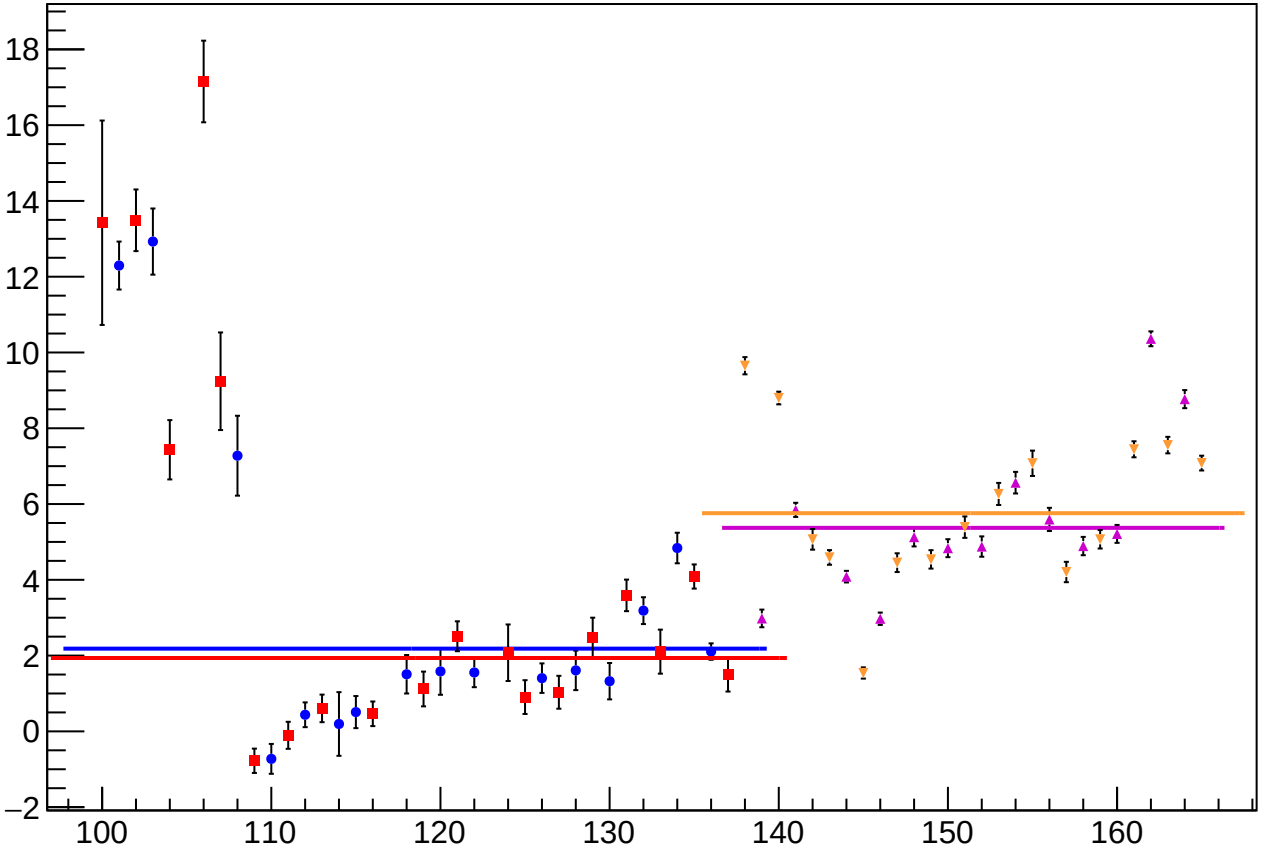
Left In: 0.193+/-0.009 χ^2/NDF:288.4/12

+ sign 0.198+/-0.008 χ^2/NDF: 1053.9/30

All: 0.173+/-0.006 χ^2/NDF: 2460.1/62

- sign 0.147+/-0.008 χ^2/NDF: 1386.8/31

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: 5.759+/-0.057 χ^2/NDF:1760.4/14

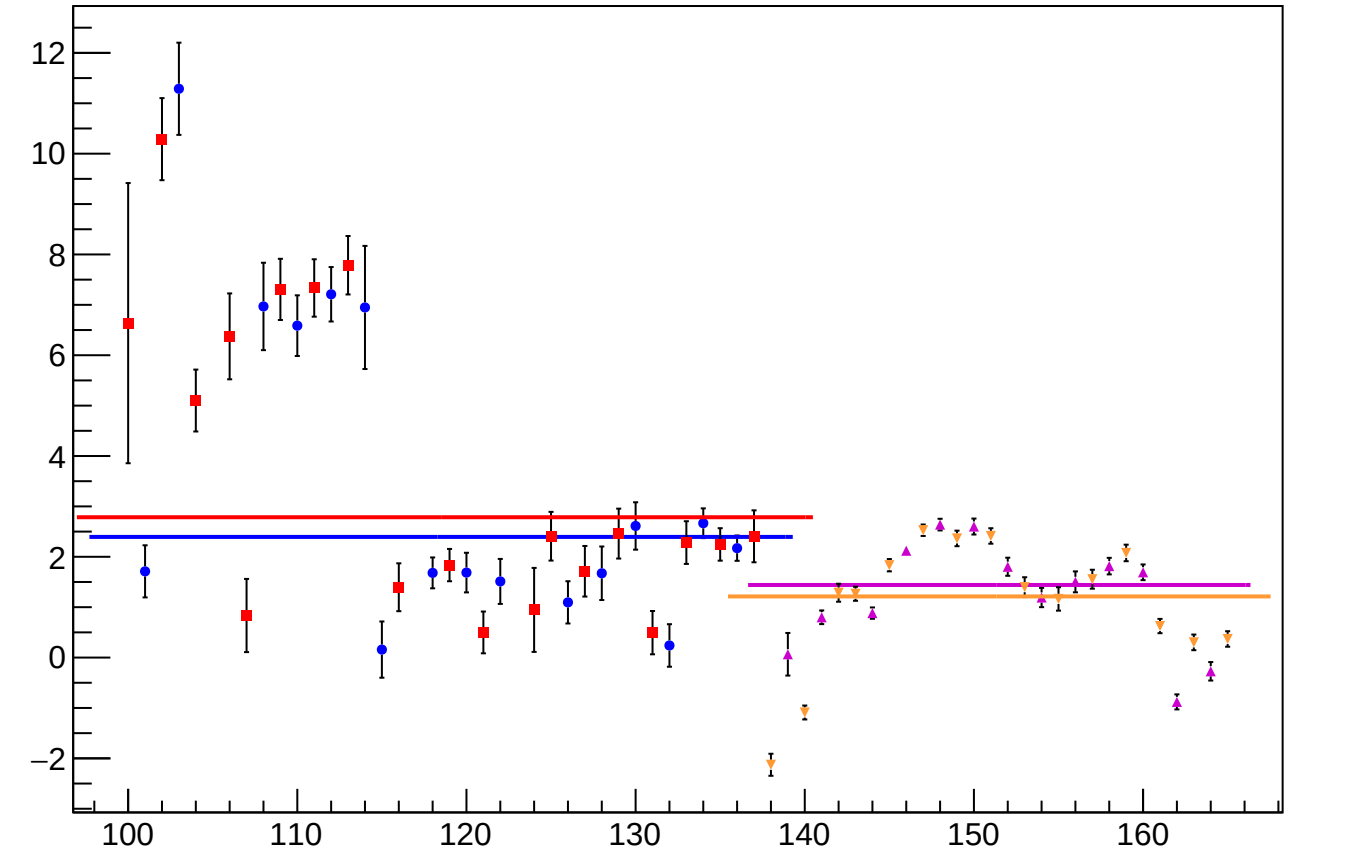
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.371+/-0.060 χ^2/NDF:1283.6/12

+ sign 4.943+/-0.050 χ^2/NDF: 3254.9/30

All: 4.745+/-0.036 χ^2/NDF: 6089.0/62

- sign 4.531+/-0.052 χ^2/NDF: 2801.7/31



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.213+/-0.040 χ^2/NDF:901.3/14

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

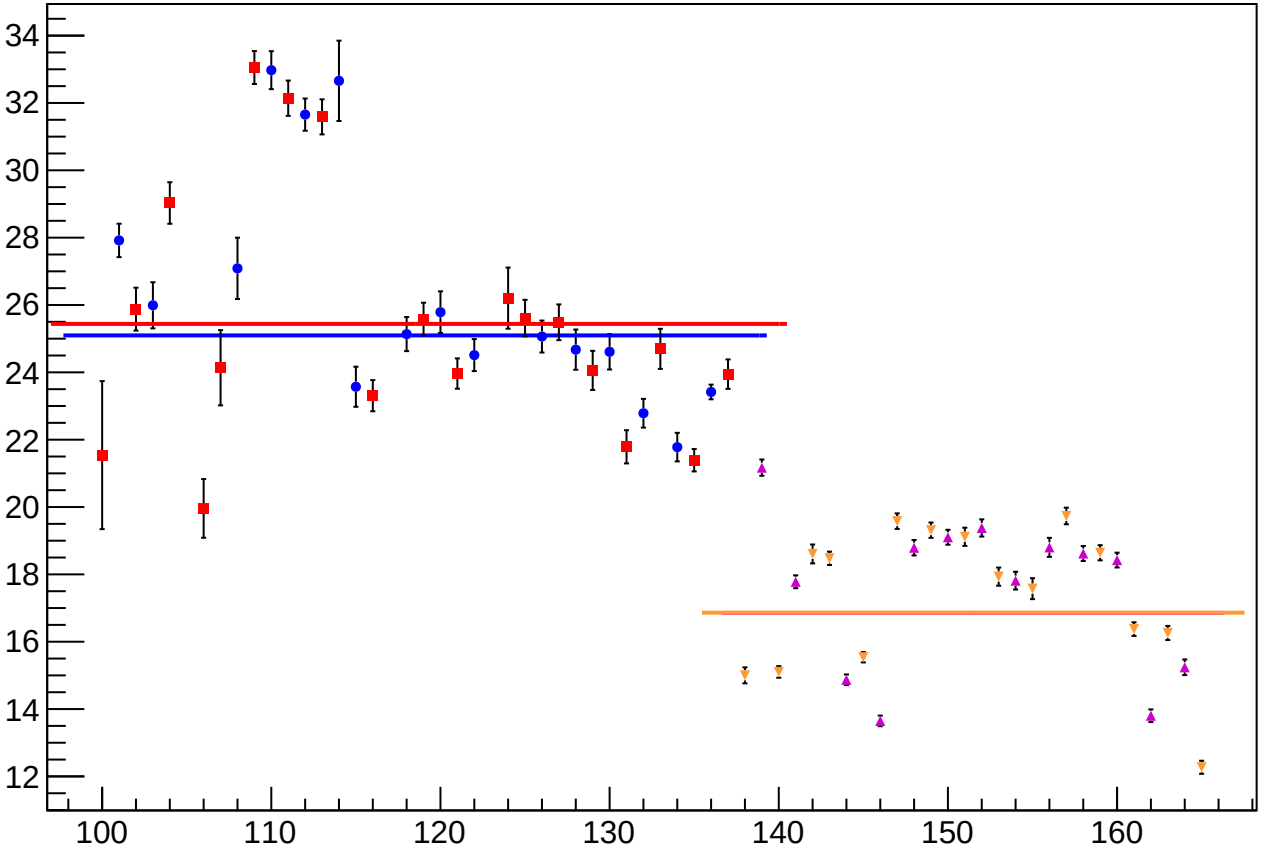
Left In: 1.441+/-0.041 χ^2/NDF:611.7/12

+ sign 1.354+/-0.037 χ^2/NDF: 1339.9/30

All: 1.468+/-0.027 χ^2/NDF: 2501.3/62

- sign 1.589+/-0.039 χ^2/NDF: 1142.3/31

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: 16.863+/-0.056 χ^2/NDF:1462.1/14

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

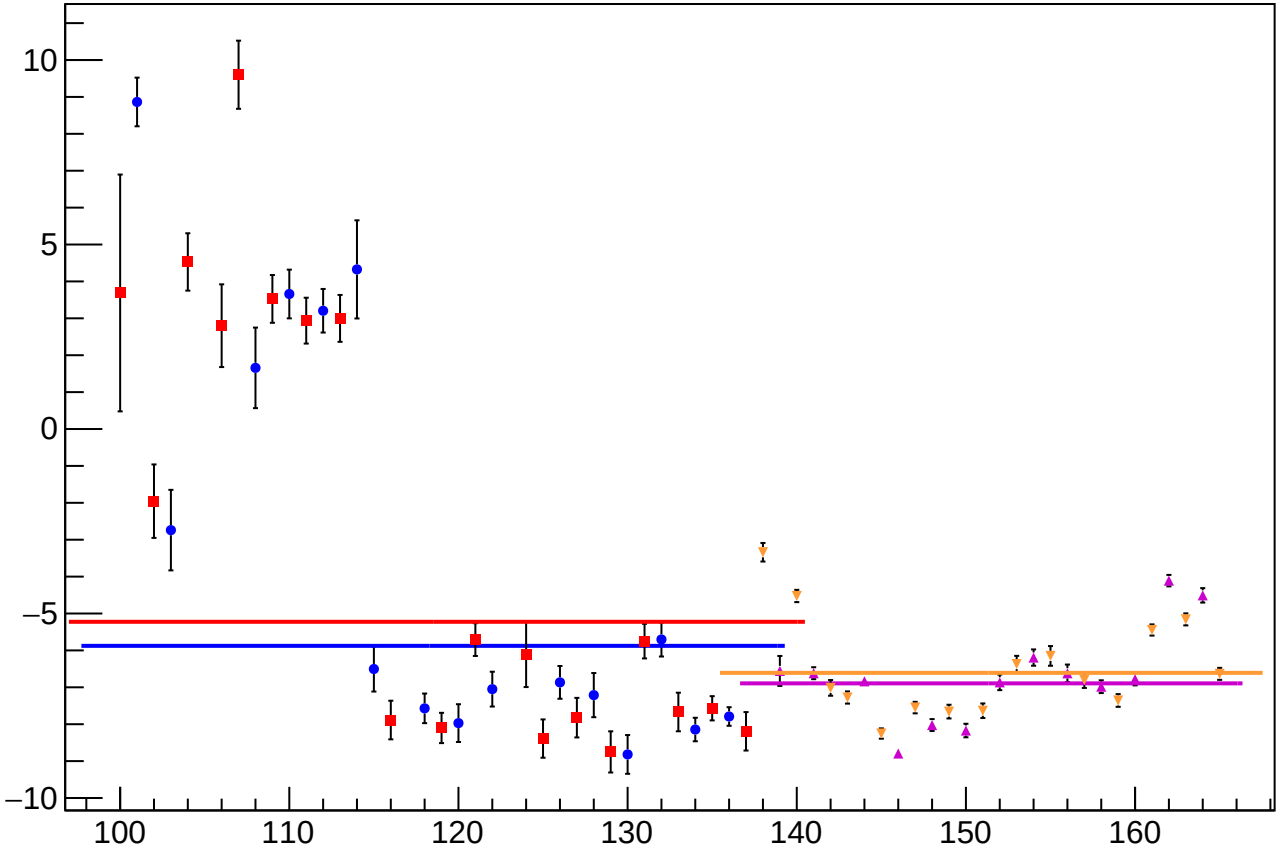
Left In: 16.855+/-0.058 χ^2/NDF:1673.3/12

\+ sign 18.391+/-0.051 χ^2/NDF: 6081.6/30

All: 18.399+/-0.037 χ^2/NDF: 12555.2/62

\- sign 18.408+/-0.053 χ^2/NDF: 6473.5/31

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: -6.608+/-0.046 χ^2/NDF:740.1/14

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

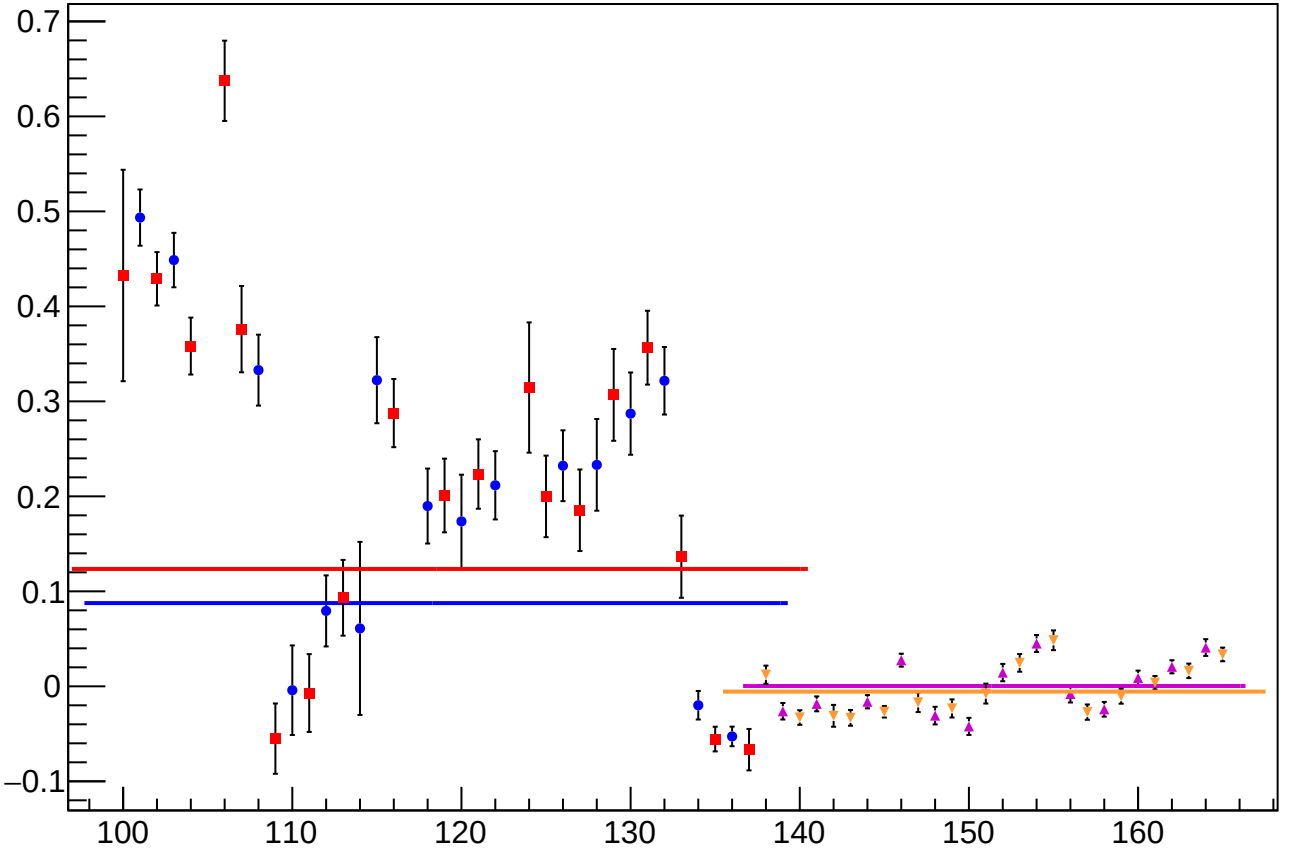
Left In: -6.893+/-0.048 χ^2/NDF:833.9/12

+ sign -6.514+/-0.043 χ^2/NDF: 2023.5/30

All: -6.600+/-0.031 χ^2/NDF: 4303.6/62

- sign -6.692+/-0.045 χ^2/NDF: 2272.0/31

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: -0.006+/-0.002 χ^2/NDF:133.8/14

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

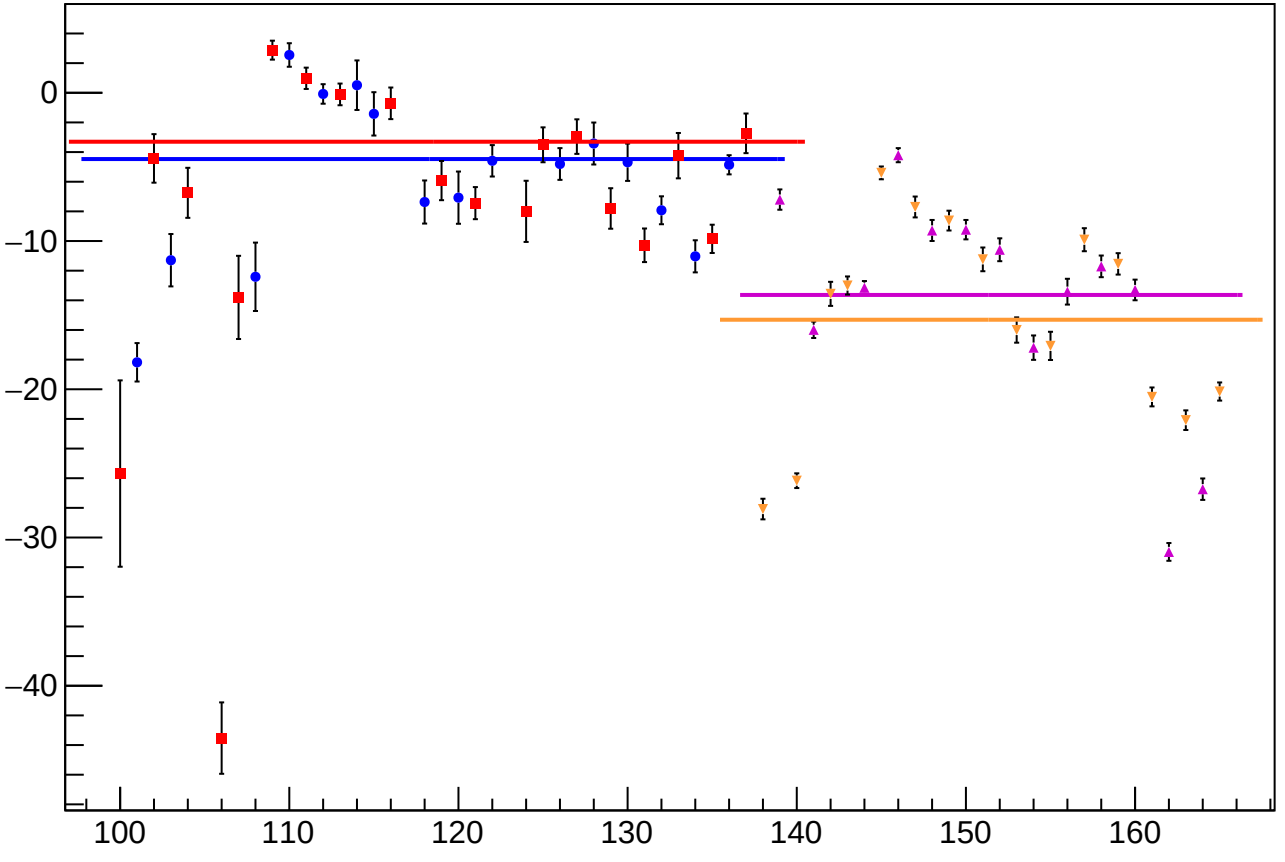
Left In: 0.000+/-0.002 χ^2/NDF:139.1/12

+ sign 0.003+/-0.002 χ^2/NDF: 1082.3/30

All: 0.007+/-0.001 χ^2/NDF: 2248.6/62

- sign 0.011+/-0.002 χ^2/NDF: 1159.9/31

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.309+/-0.169 χ^2/NDF:1916.1/14

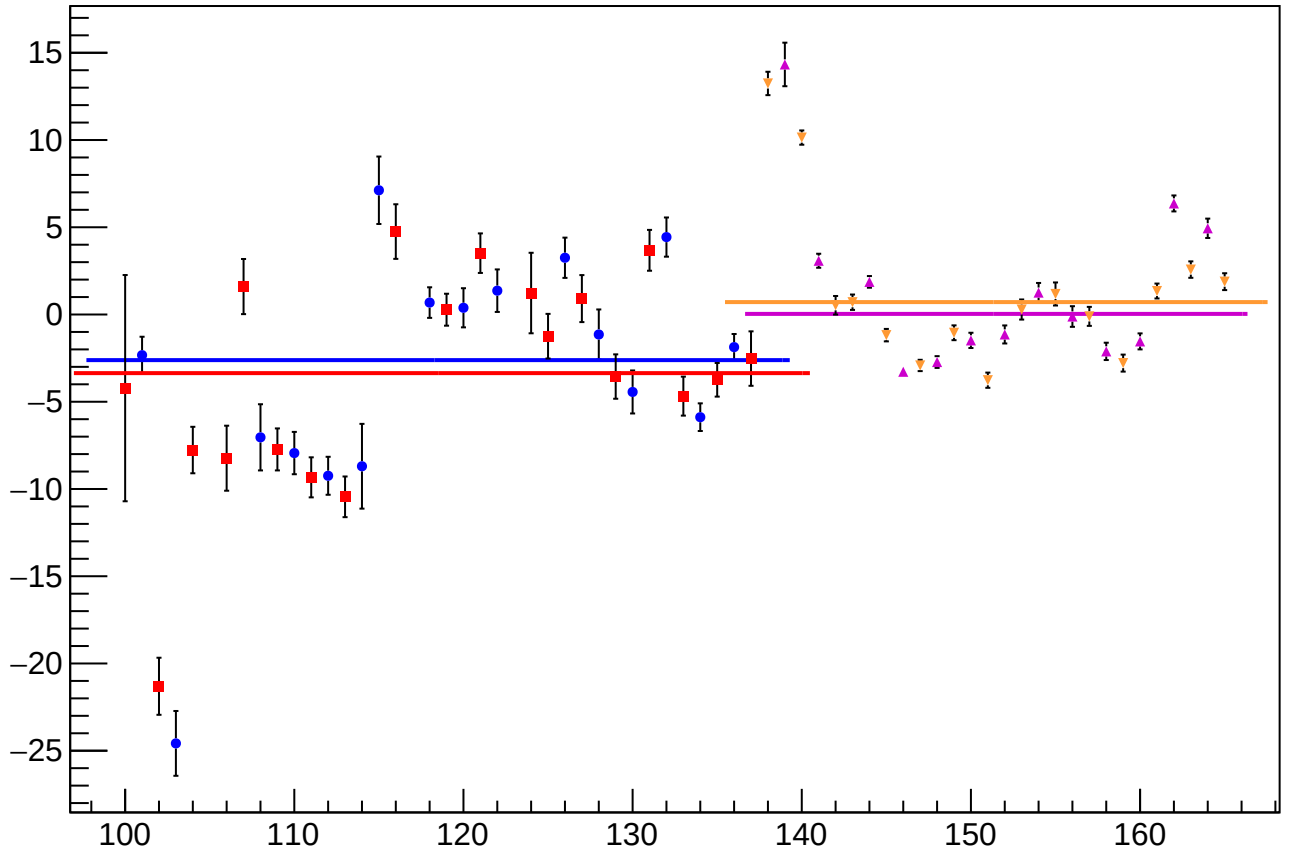
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -13.638+/-0.176 χ^2/NDF:1789.0/12

+ sign -12.228+/-0.143 χ^2/NDF: 3414.8/30

All: -11.330+/-0.102 χ^2/NDF: 6946.2/62

- sign -10.393+/-0.146 χ^2/NDF: 3450.9/31



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.712+/-0.118 χ^2/NDF:1236.0/14

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

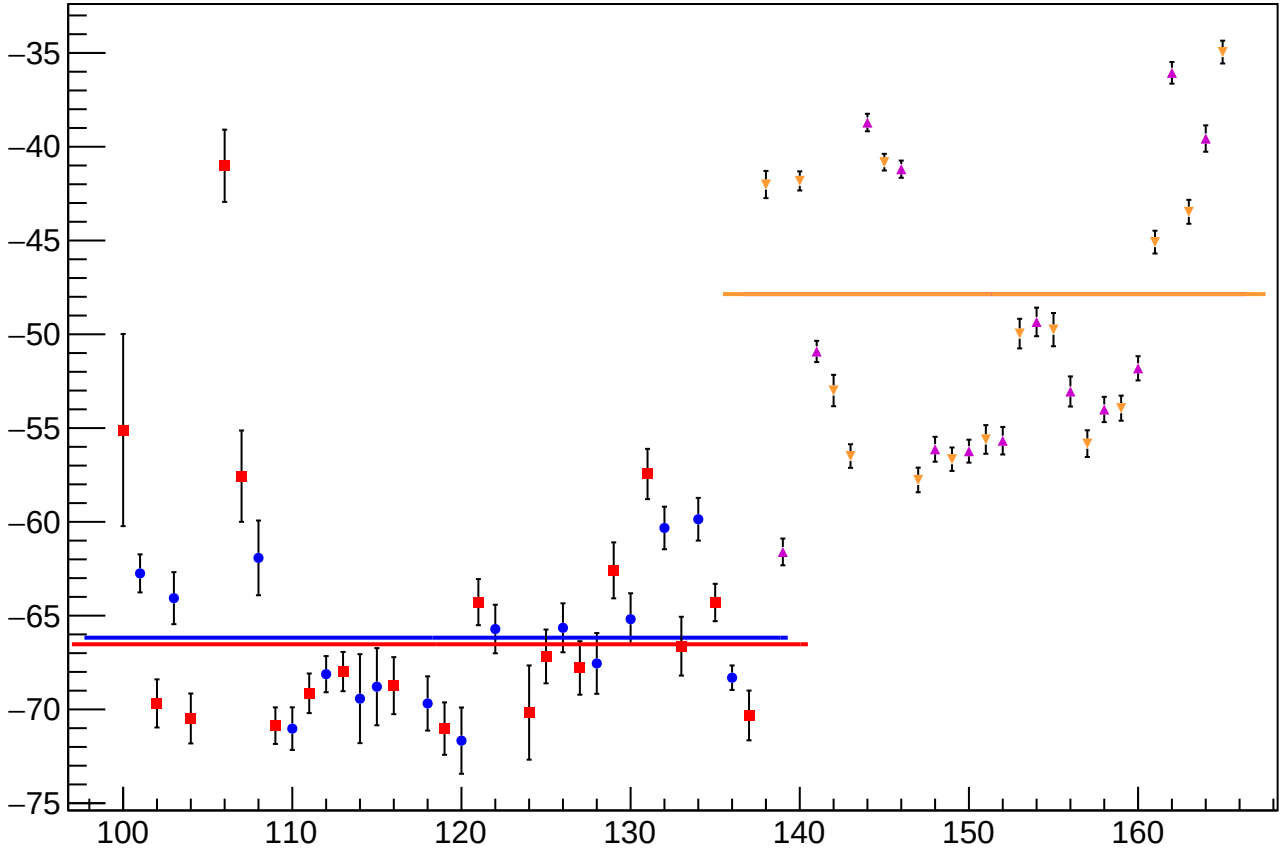
Left In: 0.035+/-0.120 χ^2/NDF:745.2/12

+ sign 0.229+/-0.109 χ^2/NDF: 1703.8/30

All: -0.096+/-0.078 χ^2/NDF: 2938.1/62

- sign -0.439+/-0.112 χ^2/NDF: 1215.9/31

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -47.857+/-0.166 χ^2/NDF:1948.0/14

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

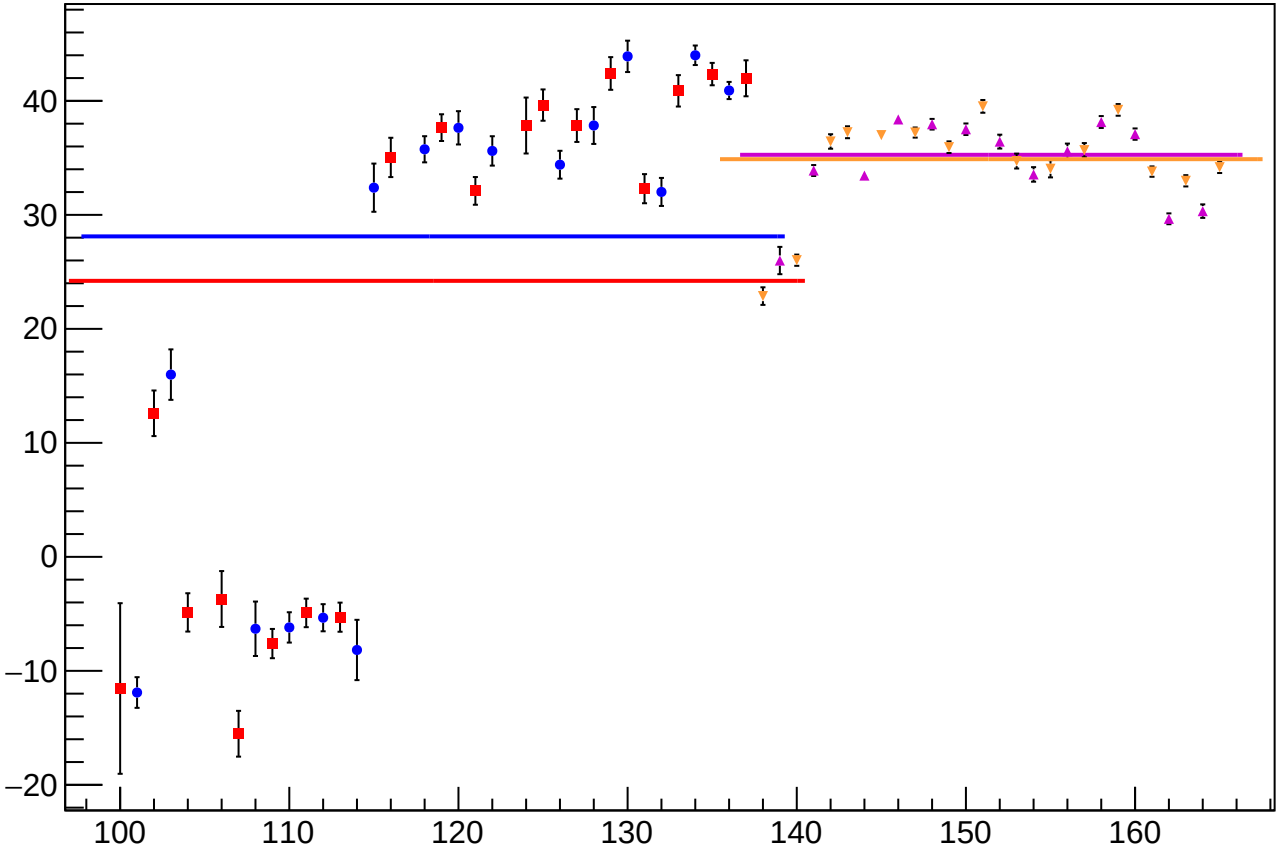
Left In: -47.855+/-0.171 χ^2/NDF:2175.9/12

+ sign -52.058+/-0.146 χ^2/NDF: 4869.8/30

All: -52.110+/-0.105 χ^2/NDF: 10113.5/62

- sign -52.167+/-0.150 χ^2/NDF: 5243.5/31

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.885+/-0.137 χ^2/NDF:815.7/14

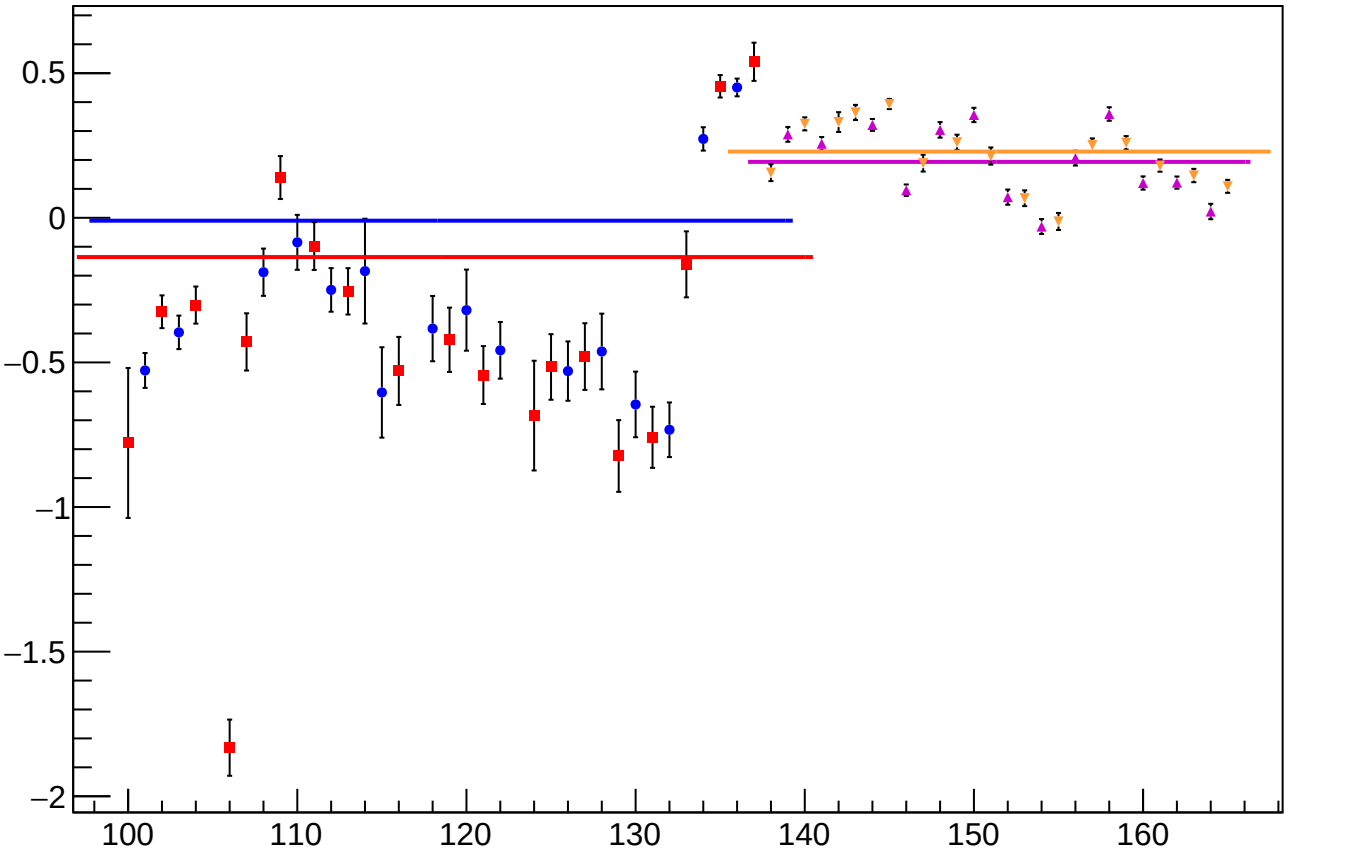
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.269+/-0.141 χ^2/NDF:482.2/12

+ sign 33.835+/-0.126 χ^2/NDF: 4922.0/30

All: 33.726+/-0.090 χ^2/NDF: 10170.1/62

- sign 33.610+/-0.130 χ^2/NDF: 5246.5/31



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.229+/-0.006 χ^2/NDF:301.6/14

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

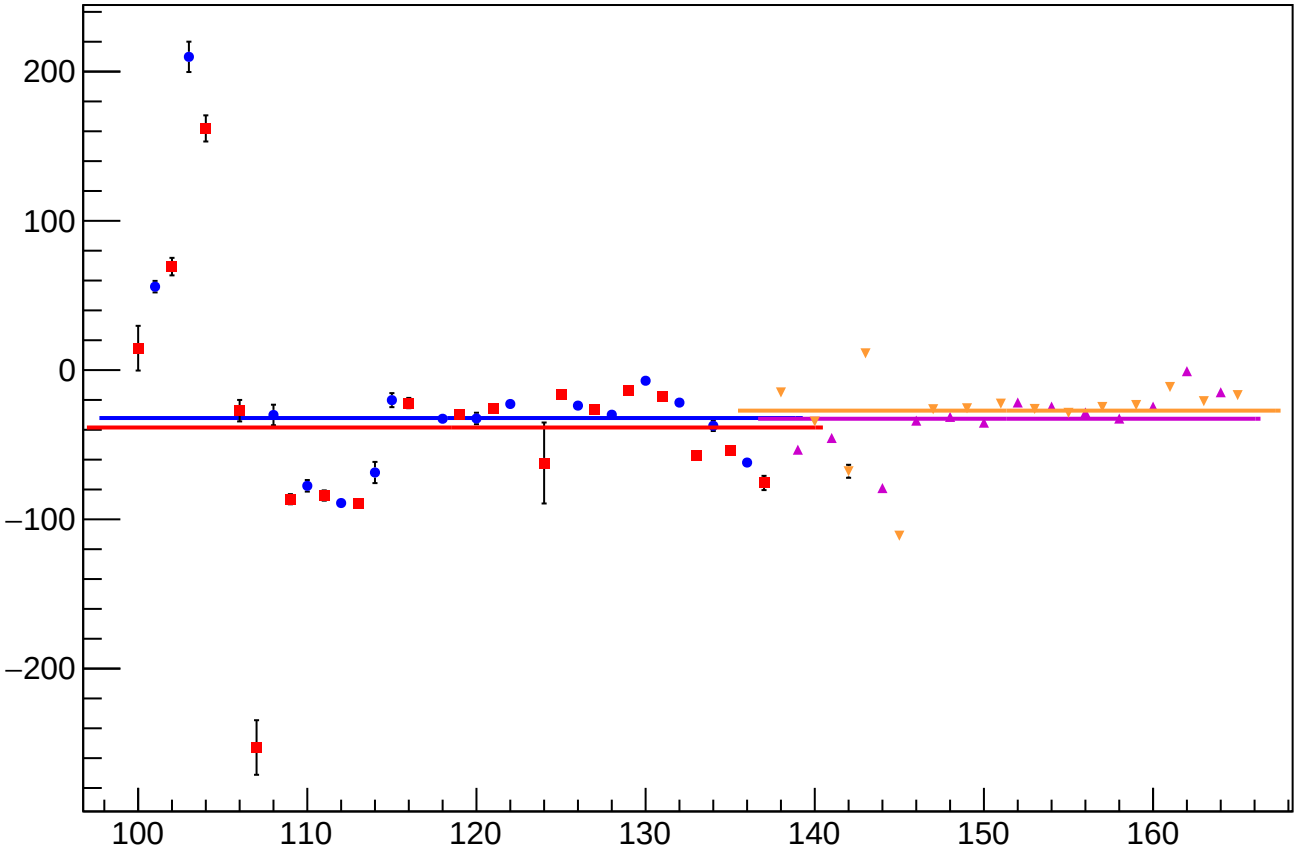
Left In: 0.193+/-0.007 χ^2/NDF:352.4/12

+ sign 0.201+/-0.006 χ^2/NDF: 1056.5/30

All: 0.180+/-0.004 χ^2/NDF: 2524.6/62

- sign 0.158+/-0.006 χ^2/NDF: 1443.2/31

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -27.161+/-0.753 χ^2/NDF:993.7/14

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

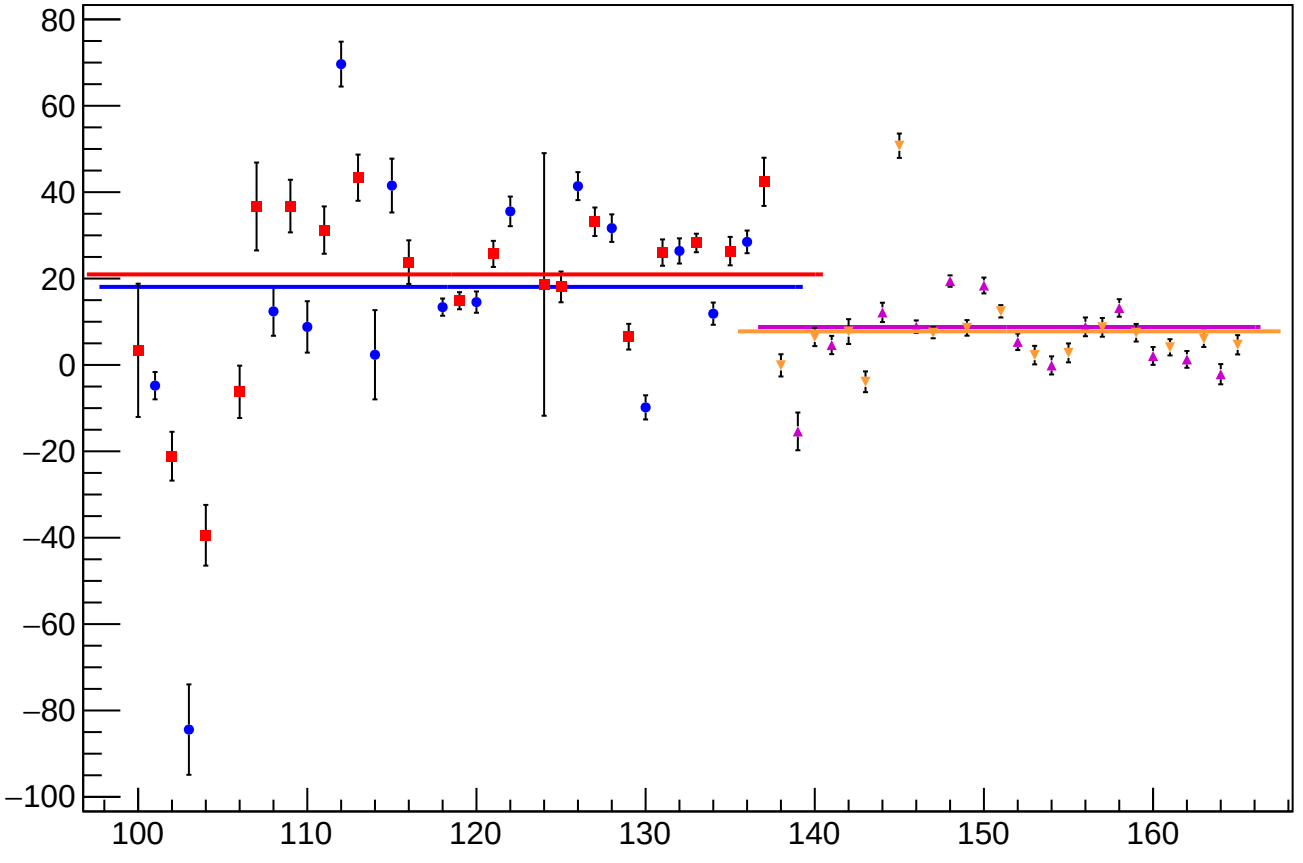
Left In: -32.601+/-0.785 χ^2/NDF:554.0/12

+ sign -29.360+/-0.561 χ^2/NDF: 2890.4/30

All: -32.202+/-0.404 χ^2/NDF: 5495.3/62

- sign -35.251+/-0.581 χ^2/NDF: 2551.7/31

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.775+/-0.511 χ^2/NDF:295.5/14

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

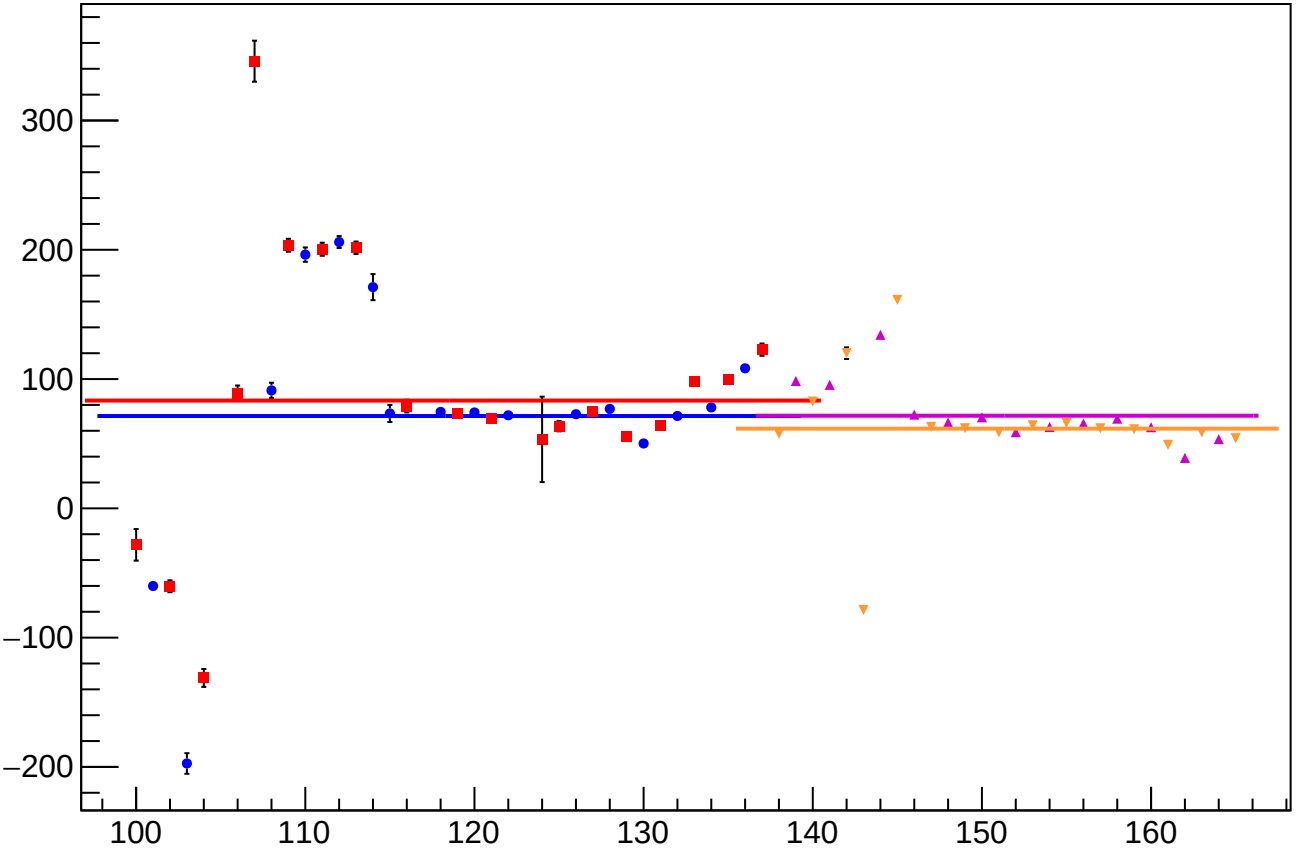
Left In: 8.785+/-0.538 χ^2/NDF:202.4/12

+ sign 10.642+/-0.434 χ^2/NDF: 908.0/30

All: 11.362+/-0.315 χ^2/NDF: 1520.9/62

- sign 12.160+/-0.457 χ^2/NDF: 607.0/31

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 61.646+/-0.730 χ^2/NDF:2915.8/14

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

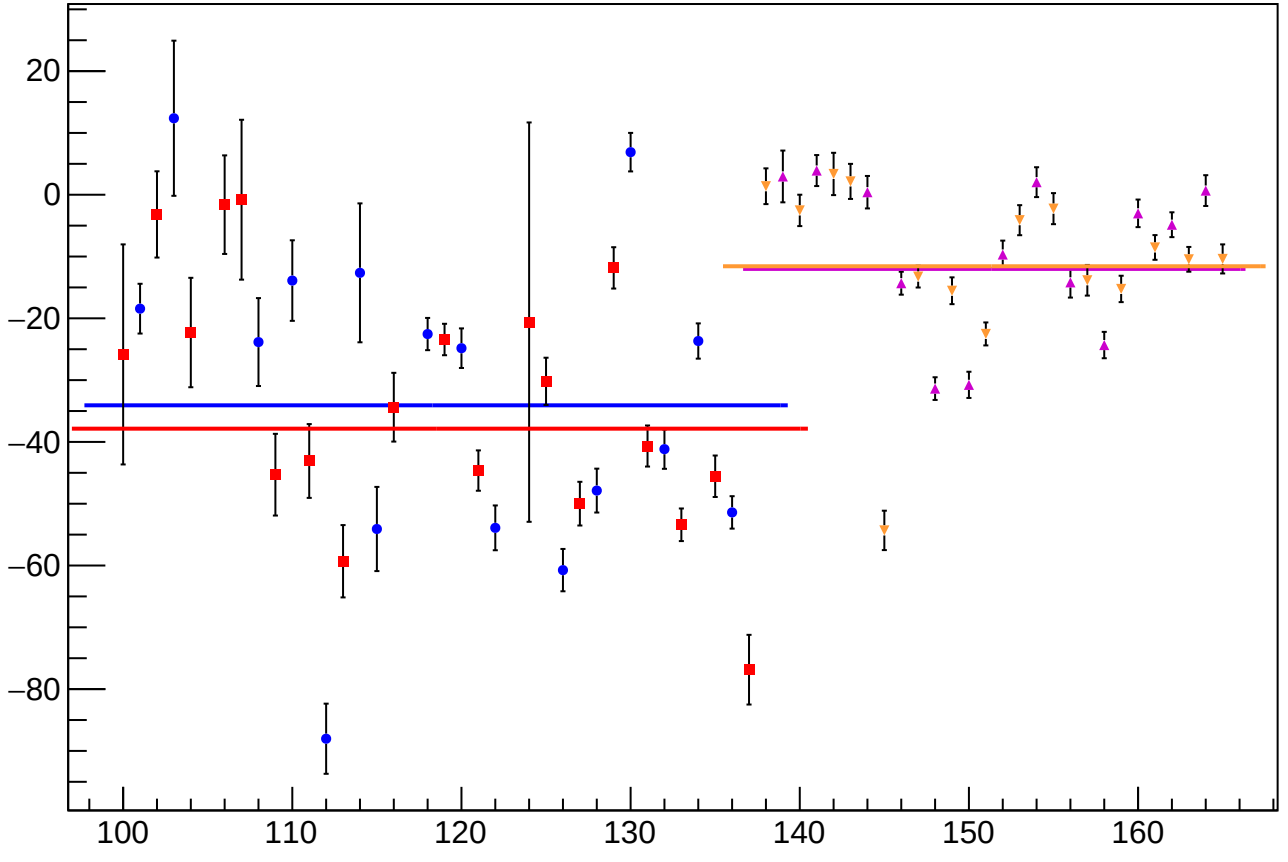
Left In: 71.652+/-0.756 χ^2/NDF:849.3/12

+ sign 65.364+/-0.574 χ^2/NDF: 7803.6/30

All: 70.451+/-0.415 χ^2/NDF: 13203.6/62

- sign 76.003+/-0.600 χ^2/NDF: 5235.9/31

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.576+/-0.598 χ^2/NDF:323.8/14

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

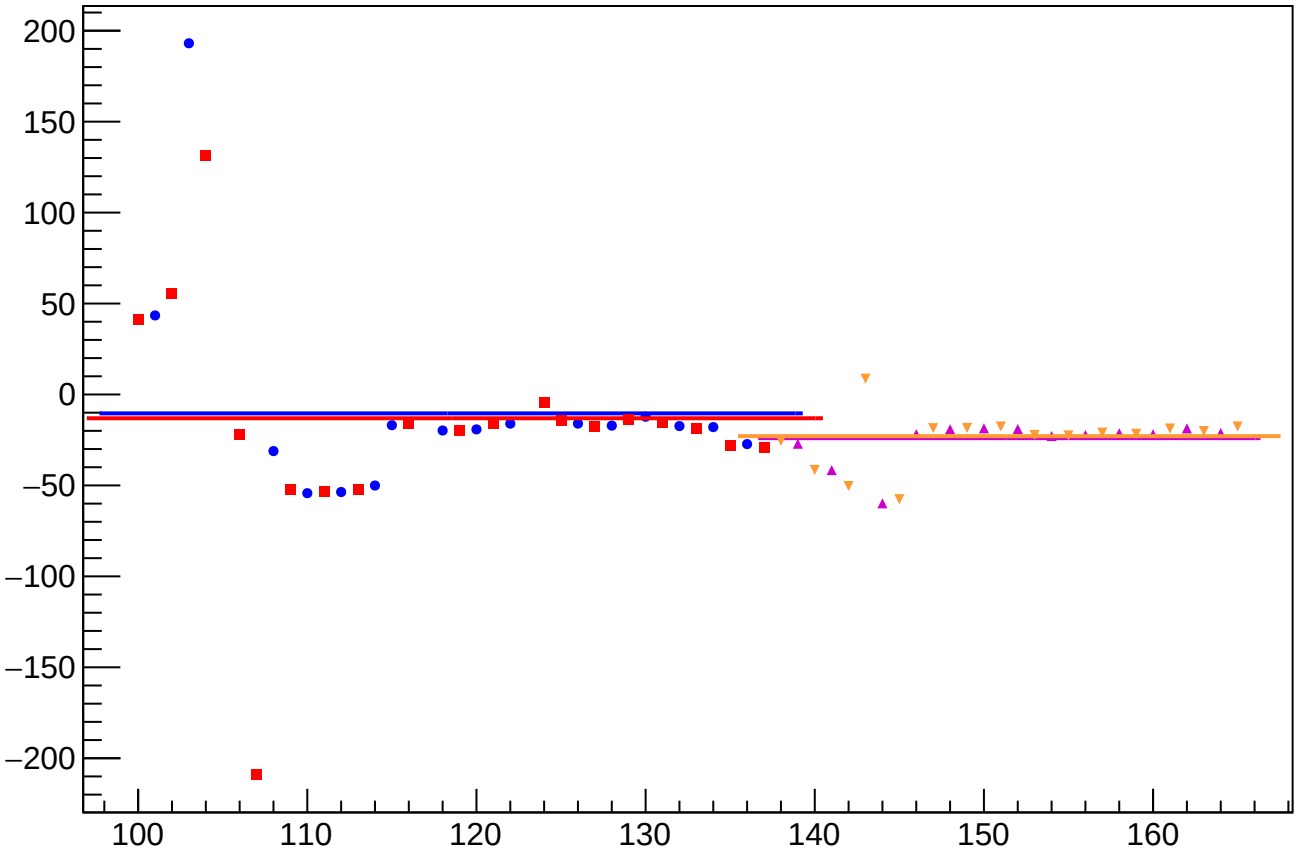
Left In: -12.002+/-0.628 χ^2/NDF:390.2/12

+ sign -18.040+/-0.505 χ^2/NDF: 1241.5/30

All: -18.679+/-0.366 χ^2/NDF: 2393.1/62

- sign -19.386+/-0.531 χ^2/NDF: 1148.3/31

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -22.917+/-0.028 χ^2/NDF:183971.1/14

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

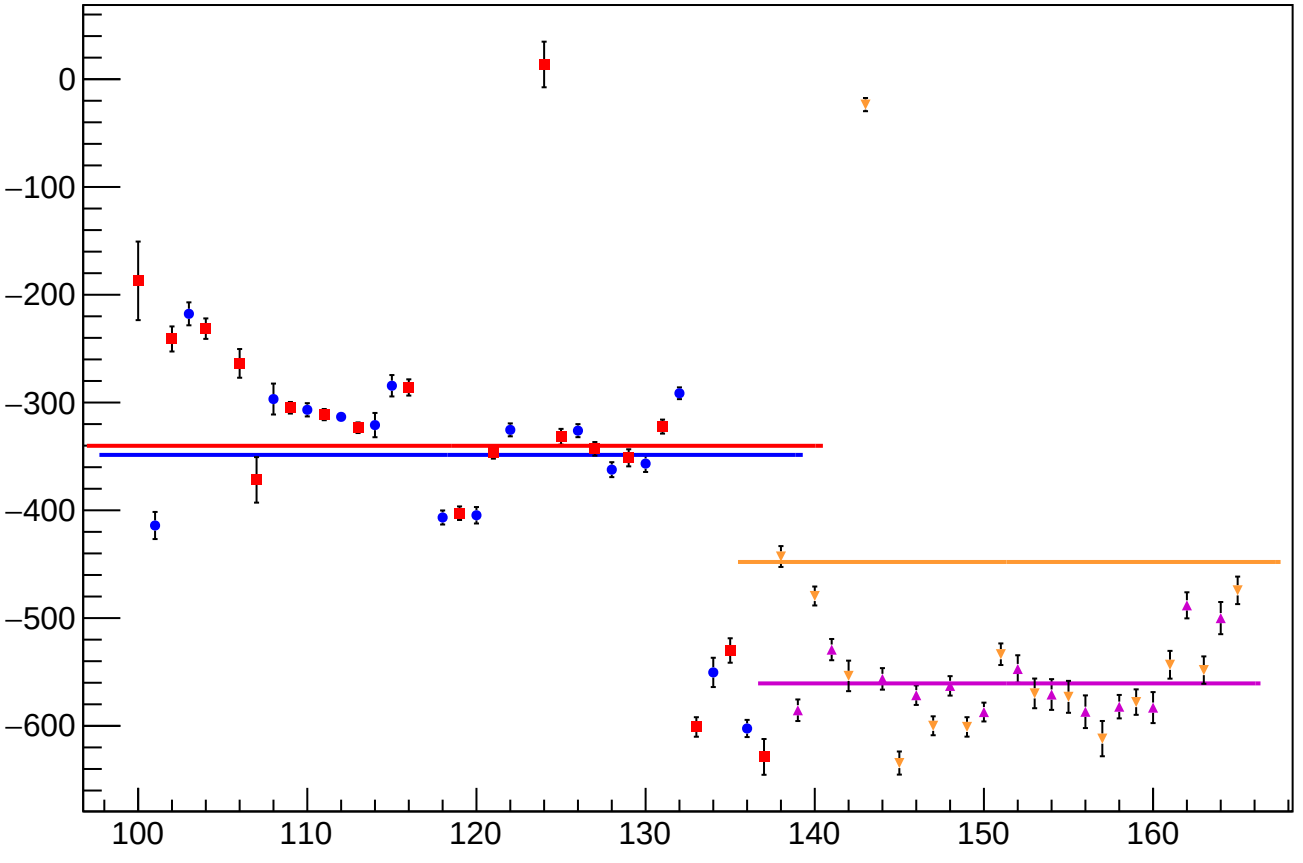
Left In: -24.014+/-0.028 χ^2/NDF:101734.8/12

+ sign -20.537+/-0.025 χ^2/NDF: 745607.8/30

All: -21.316+/-0.018 χ^2/NDF: 1324358.2/62

- sign -22.159+/-0.026 χ^2/NDF: 576692.8/31

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -447.931+/-2.689 χ^2/NDF:6330.6/14

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

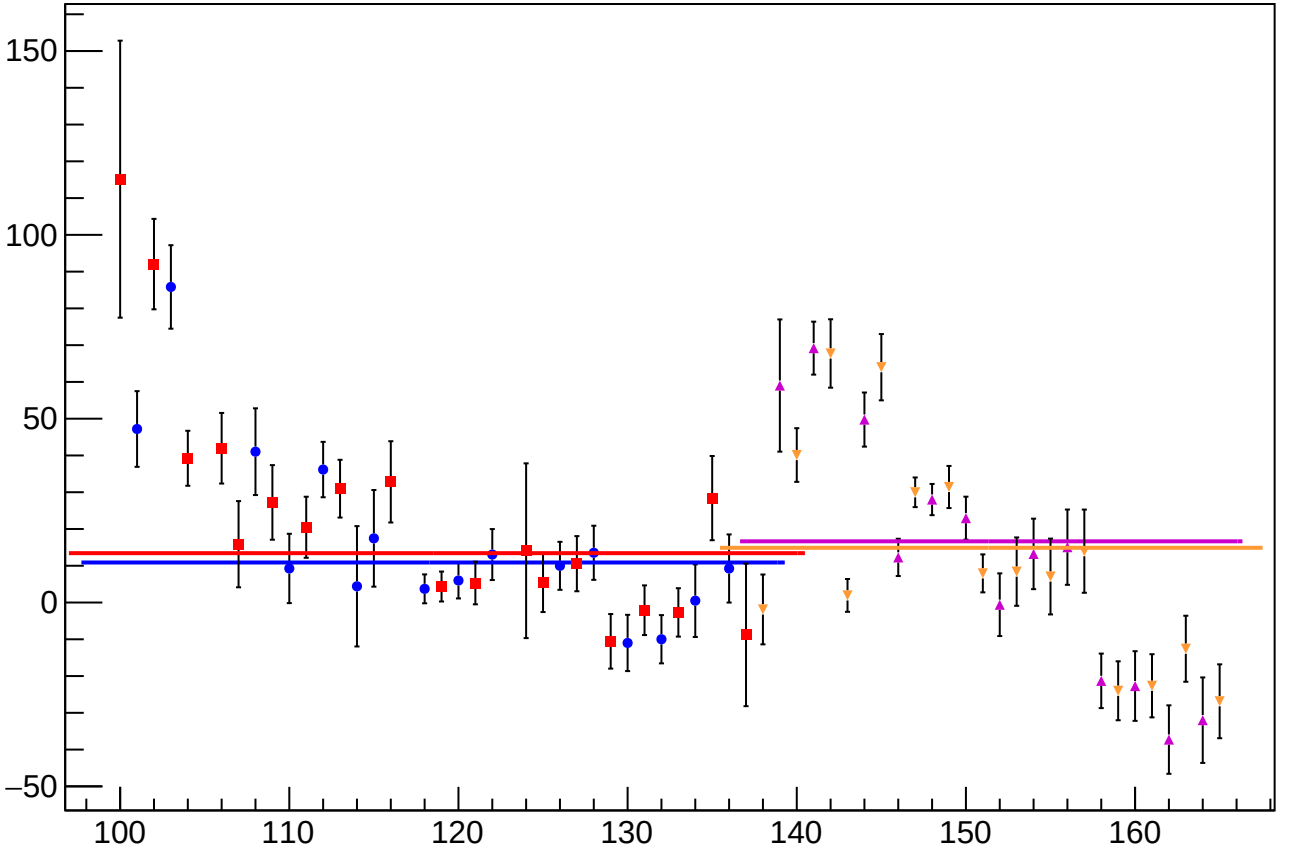
Left In: -560.604+/-3.044 χ^2/NDF:90.6/12

\+ sign -379.910+/-1.510 χ^2/NDF: 9123.6/30

All: -387.567+/-1.072 χ^2/NDF: 15395.7/62

\- sign -395.360+/-1.523 χ^2/NDF: 6220.2/31

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 14.888+/-1.786 χ^2/NDF:179.9/14

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

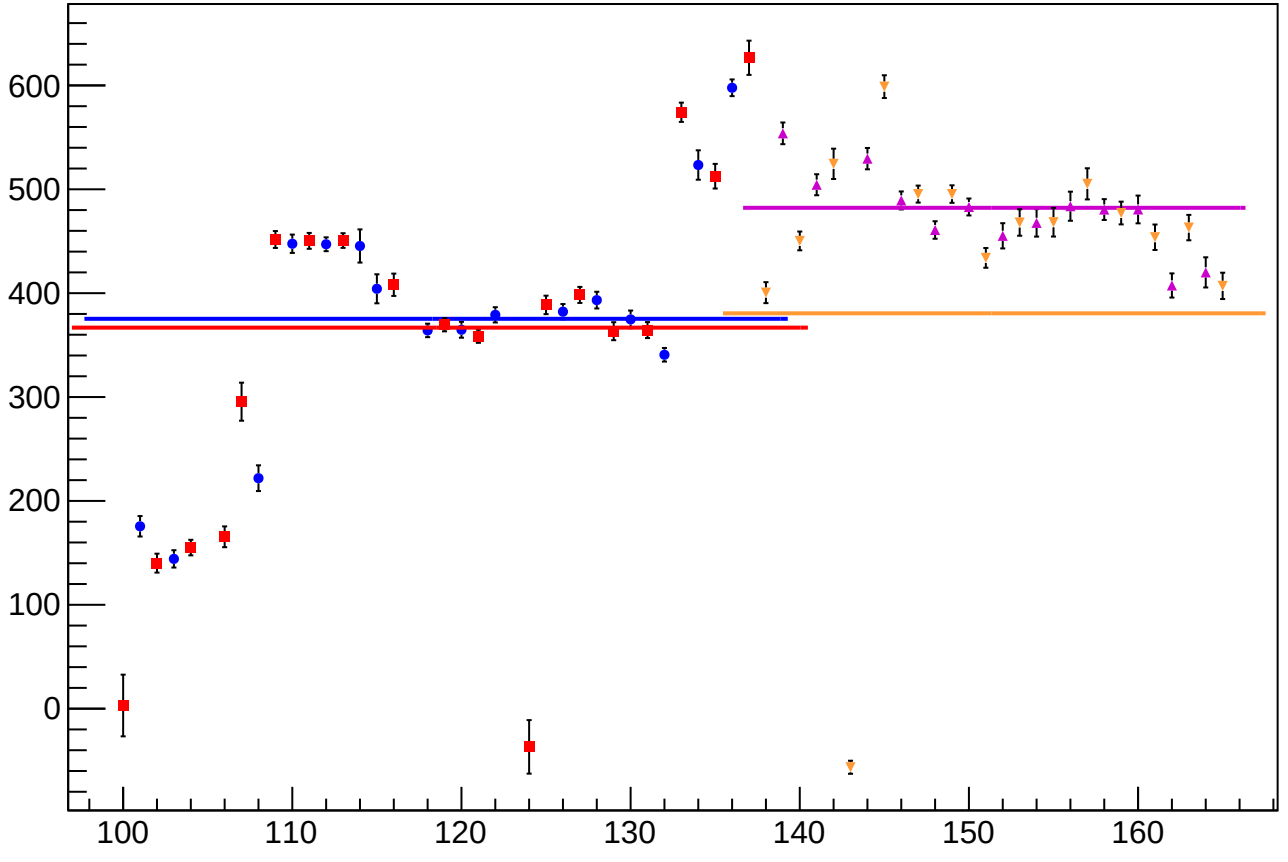
Left In: 16.647+/-2.012 χ^2/NDF:186.9/12

+ sign 12.951+/-1.282 χ^2/NDF: 280.6/30

All: 13.868+/-0.934 χ^2/NDF: 582.3/62

- sign 14.906+/-1.364 χ^2/NDF: 300.7/31

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 380.604+/-2.634 χ^2/NDF:6107.4/14

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

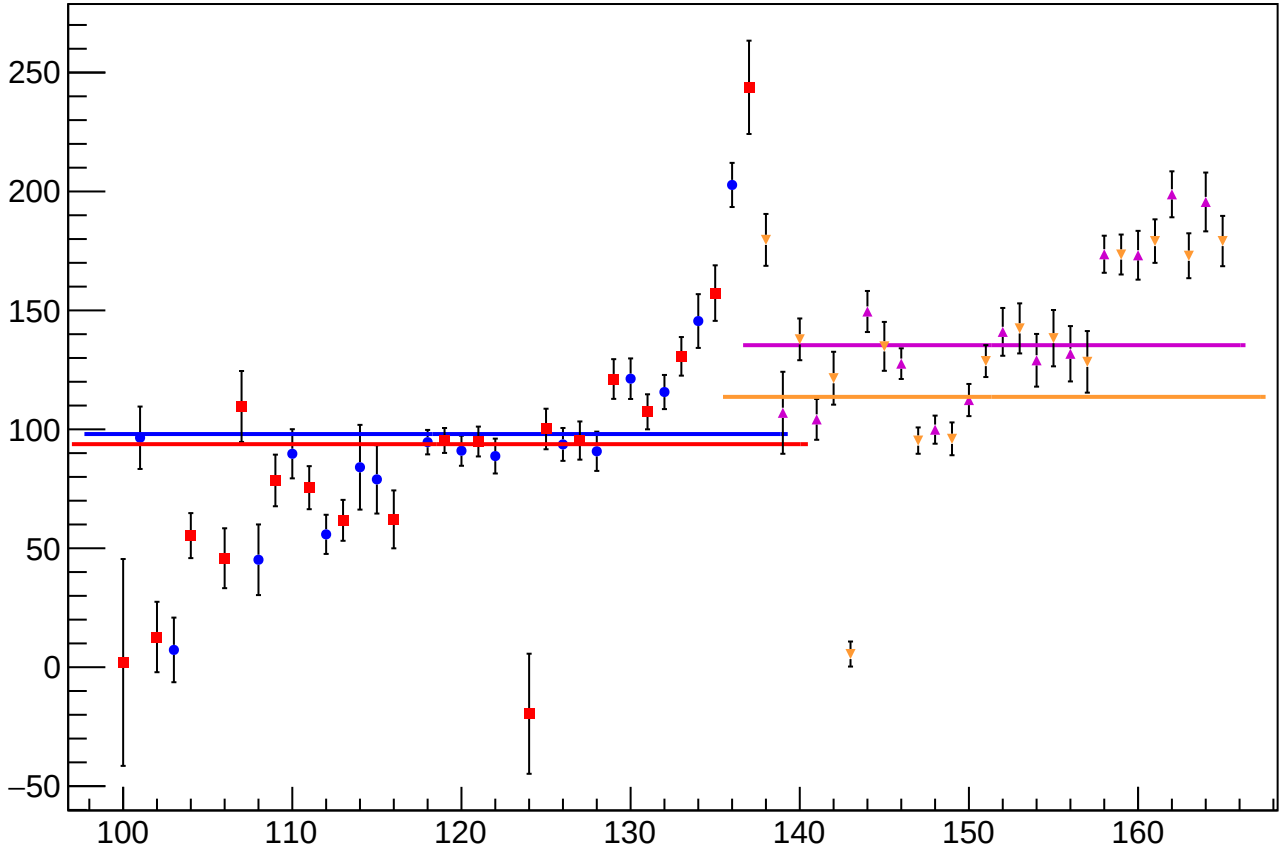
Left In: 482.179+/-2.935 χ^2/NDF:146.2/12

+ sign 377.377+/-1.643 χ^2/NDF: 8559.3/30

All: 390.705+/-1.175 χ^2/NDF: 13419.5/62

- sign 404.639+/-1.680 χ^2/NDF: 4725.6/31

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 113.650+/-2.135 χ^2/NDF:686.6/14

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

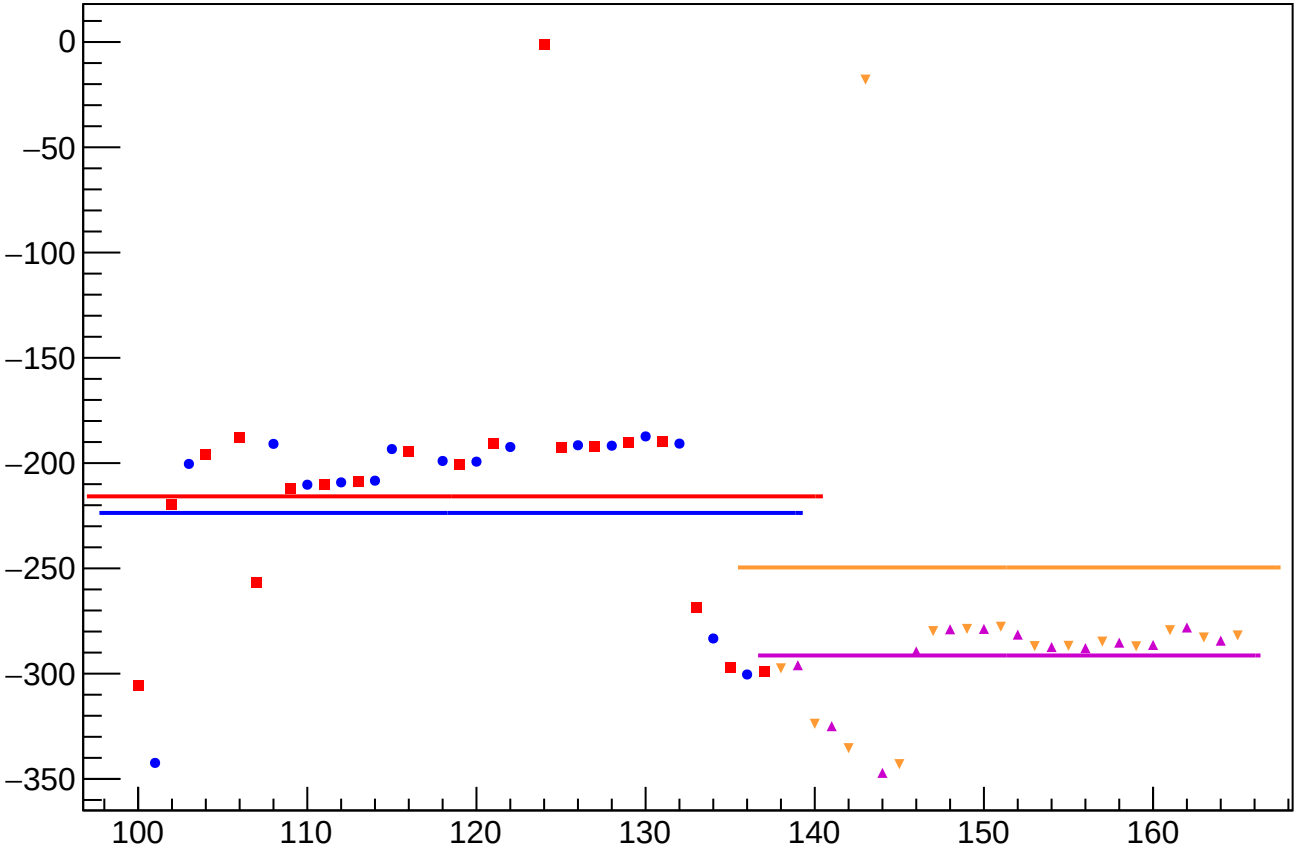
Left In: 135.380+/-2.400 χ^2/NDF:173.1/12

+ sign 105.869+/-1.513 χ^2/NDF: 962.7/30

All: 108.857+/-1.098 χ^2/NDF: 1548.7/62

- sign 112.184+/-1.597 χ^2/NDF: 577.7/31

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -249.563+/-0.103 χ^2/NDF:963657.5/14

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

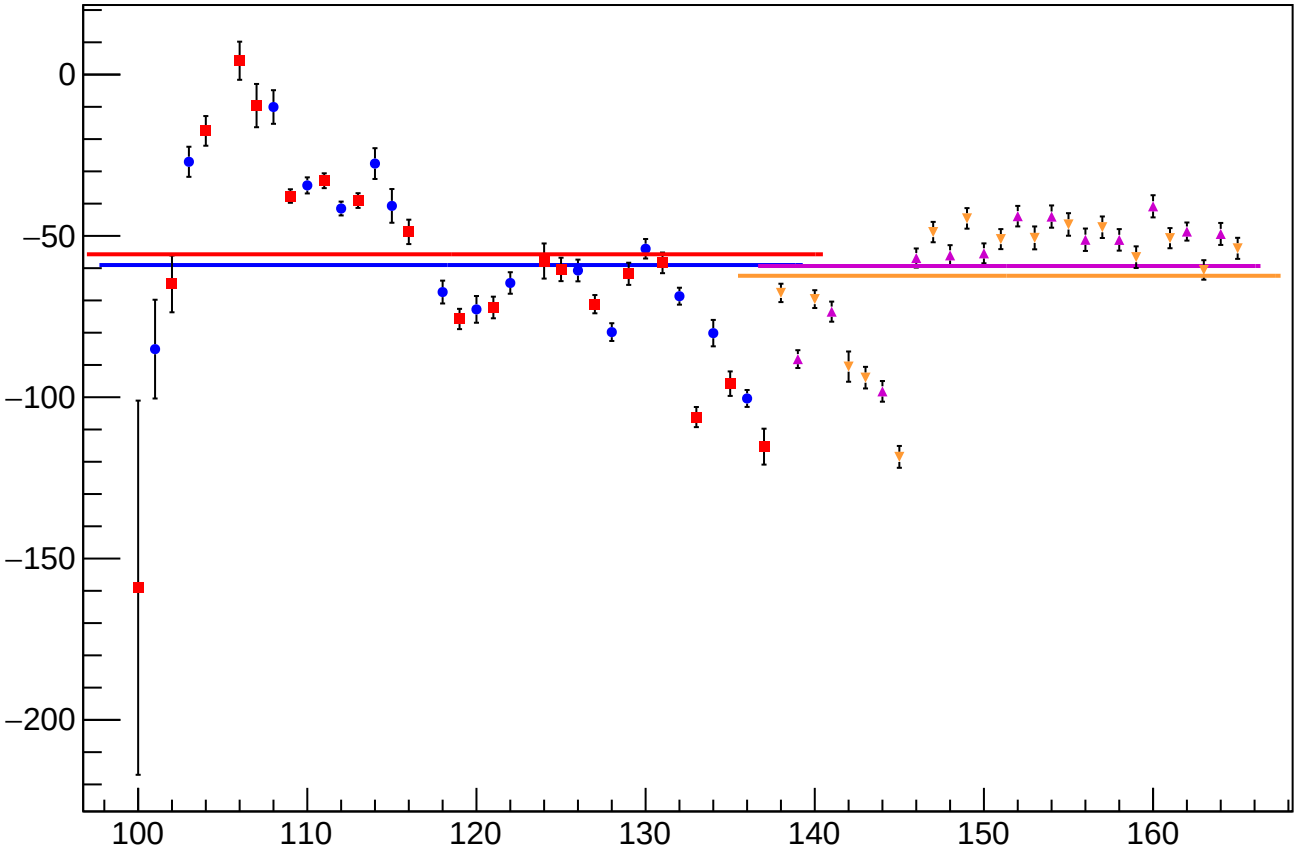
Left In: -291.367+/-0.112 χ^2/NDF:26347.0/12

+ sign -240.277+/-0.083 χ^2/NDF: 1107680.2/30

All: -249.844+/-0.060 χ^2/NDF: 1429482.0/62

- sign -260.217+/-0.086 χ^2/NDF: 293980.6/31

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -62.360+/-0.838 χ^2/NDF:548.8/14

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

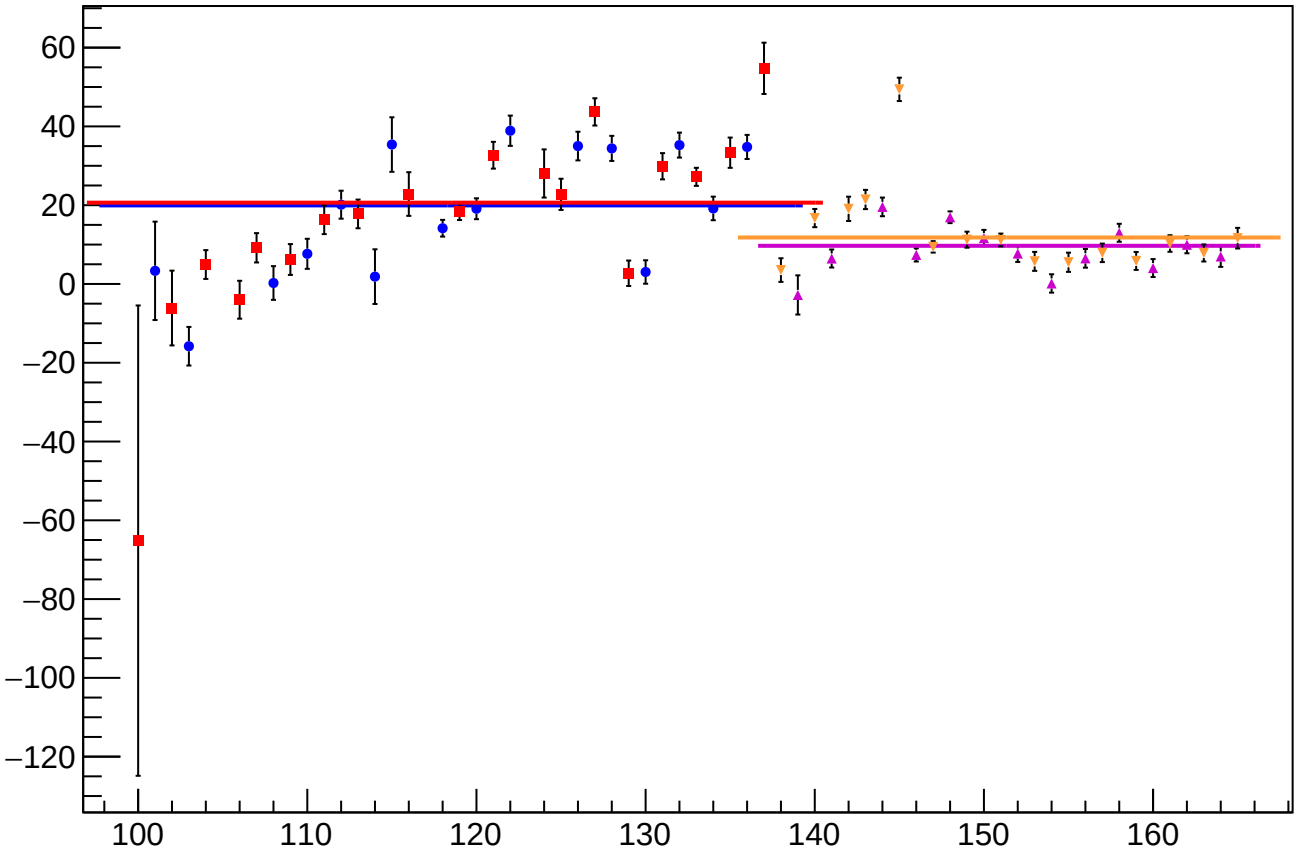
Left In: -59.330+/-0.876 χ^2/NDF:386.8/12

+ sign -60.678+/-0.589 χ^2/NDF: 1284.0/30

All: -58.996+/-0.416 χ^2/NDF: 2737.7/62

- sign -57.329+/-0.587 χ^2/NDF: 1437.4/31

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.798+/-0.570 χ^2/NDF:223.5/14

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

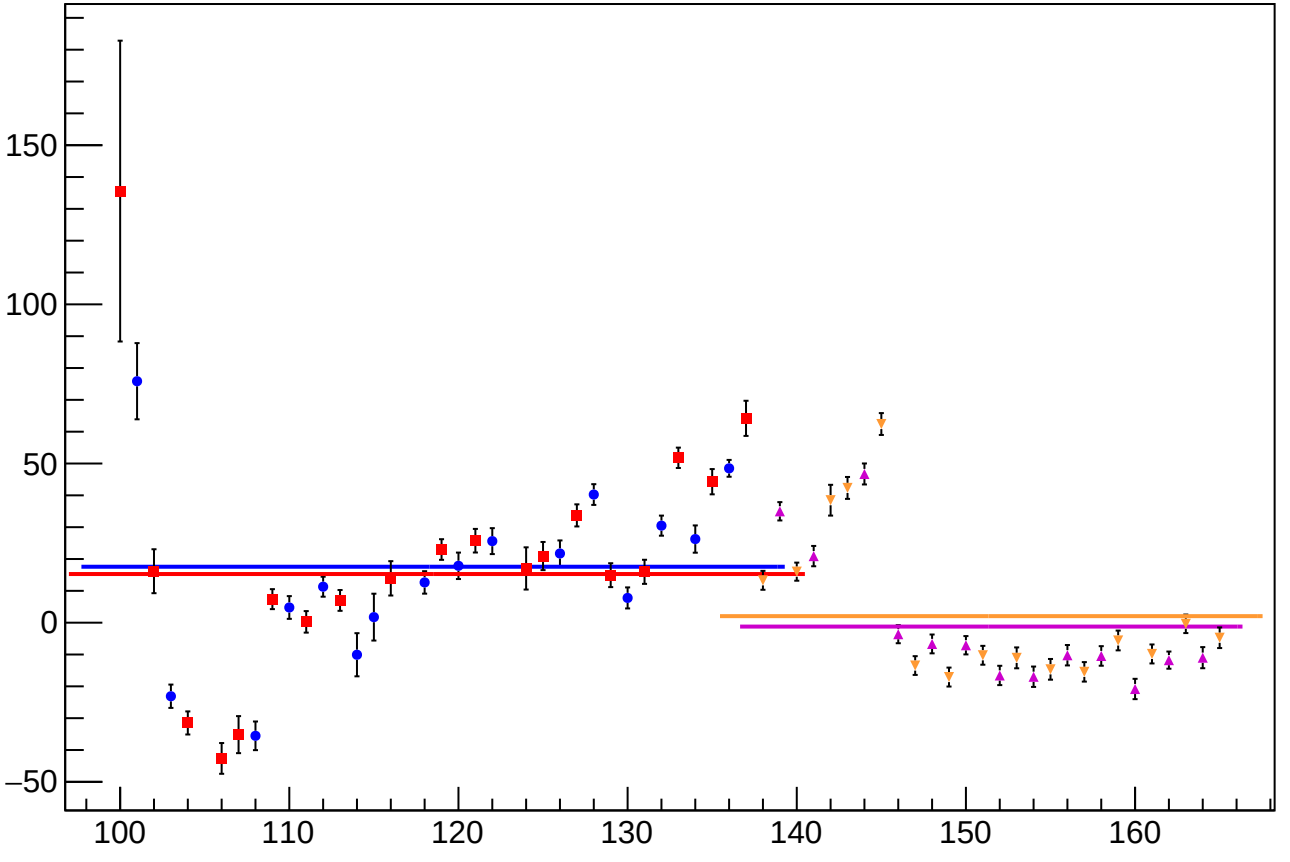
Left In: 9.690+/-0.601 χ^2/NDF:80.8/12

+ sign 14.255+/-0.476 χ^2/NDF: 532.3/30

All: 13.828+/-0.341 χ^2/NDF: 951.3/62

- sign 13.377+/-0.490 χ^2/NDF: 417.4/31

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 2.052+/-0.812 χ^2/NDF:729.1/14

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

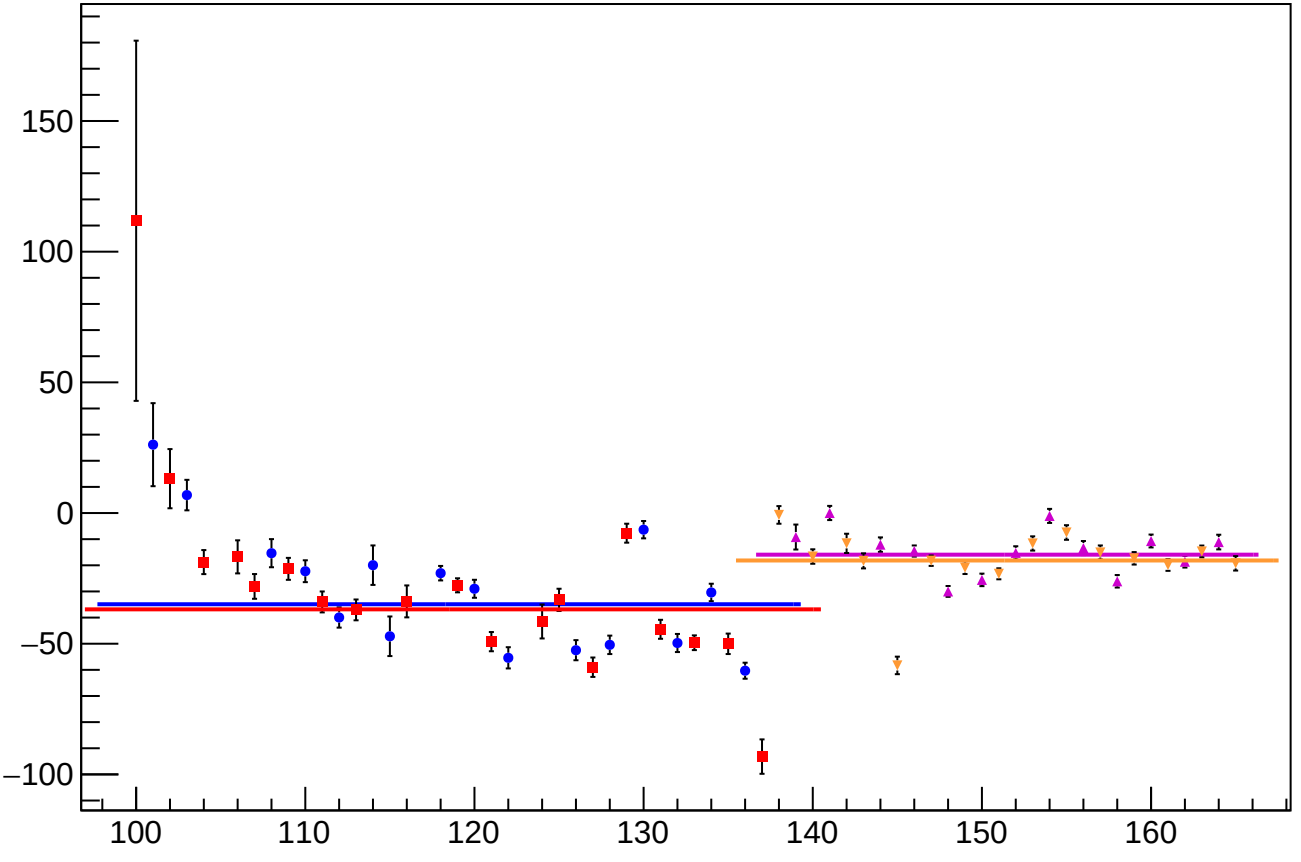
Left In: -1.225+/-0.844 χ^2/NDF:554.1/12

\+ sign 8.557+/-0.619 χ^2/NDF: 1428.3/30

All: 7.387+/-0.440 χ^2/NDF: 2891.7/62

\- sign 6.192+/-0.626 χ^2/NDF: 1456.2/31

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.152+/-0.667 χ^2/NDF:205.4/14

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

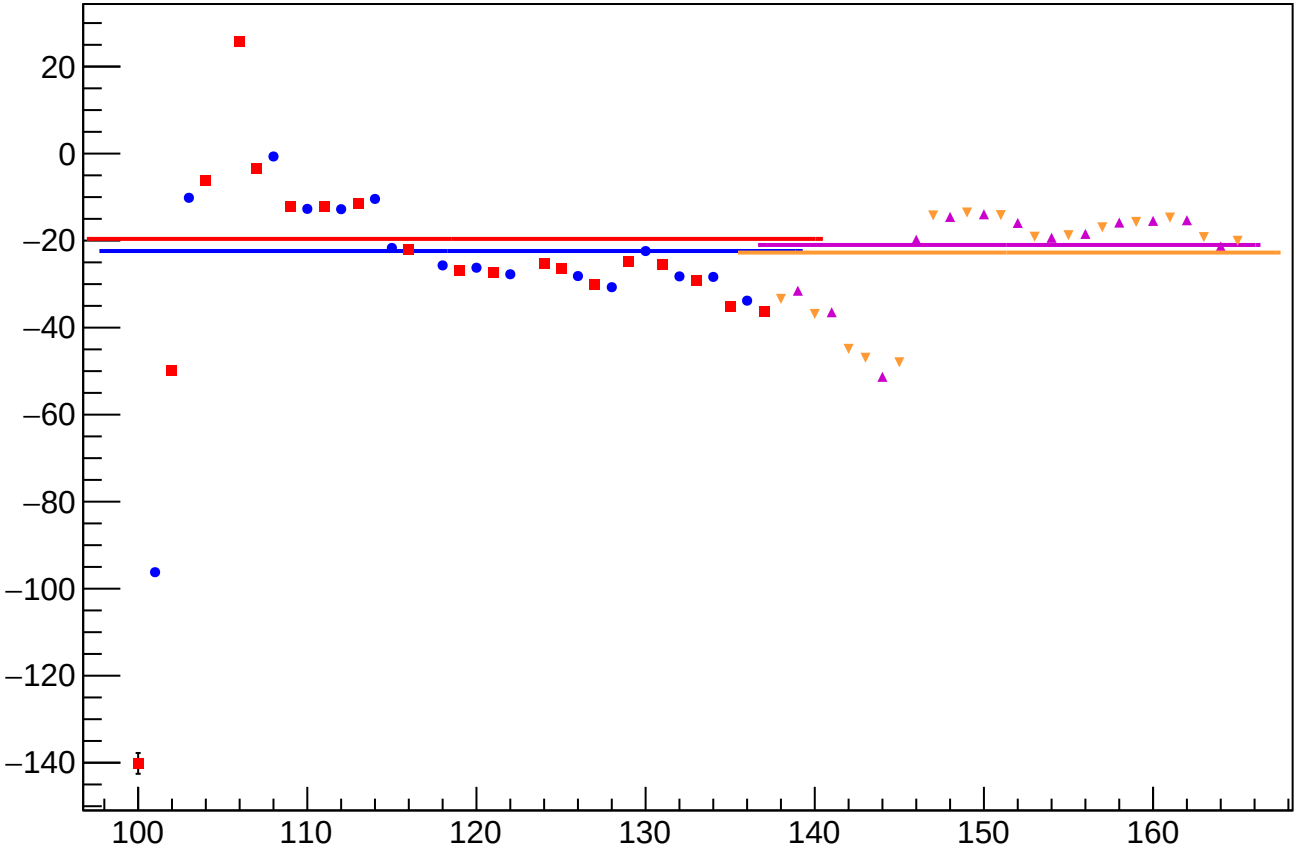
Left In: -15.931+/-0.701 χ^2/NDF:159.4/12

+ sign -23.378+/-0.553 χ^2/NDF: 748.8/30

All: -23.251+/-0.396 χ^2/NDF: 1515.5/62

- sign -23.117+/-0.568 χ^2/NDF: 766.6/31

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.748+/-0.031 χ^2/NDF:129578.3/14

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

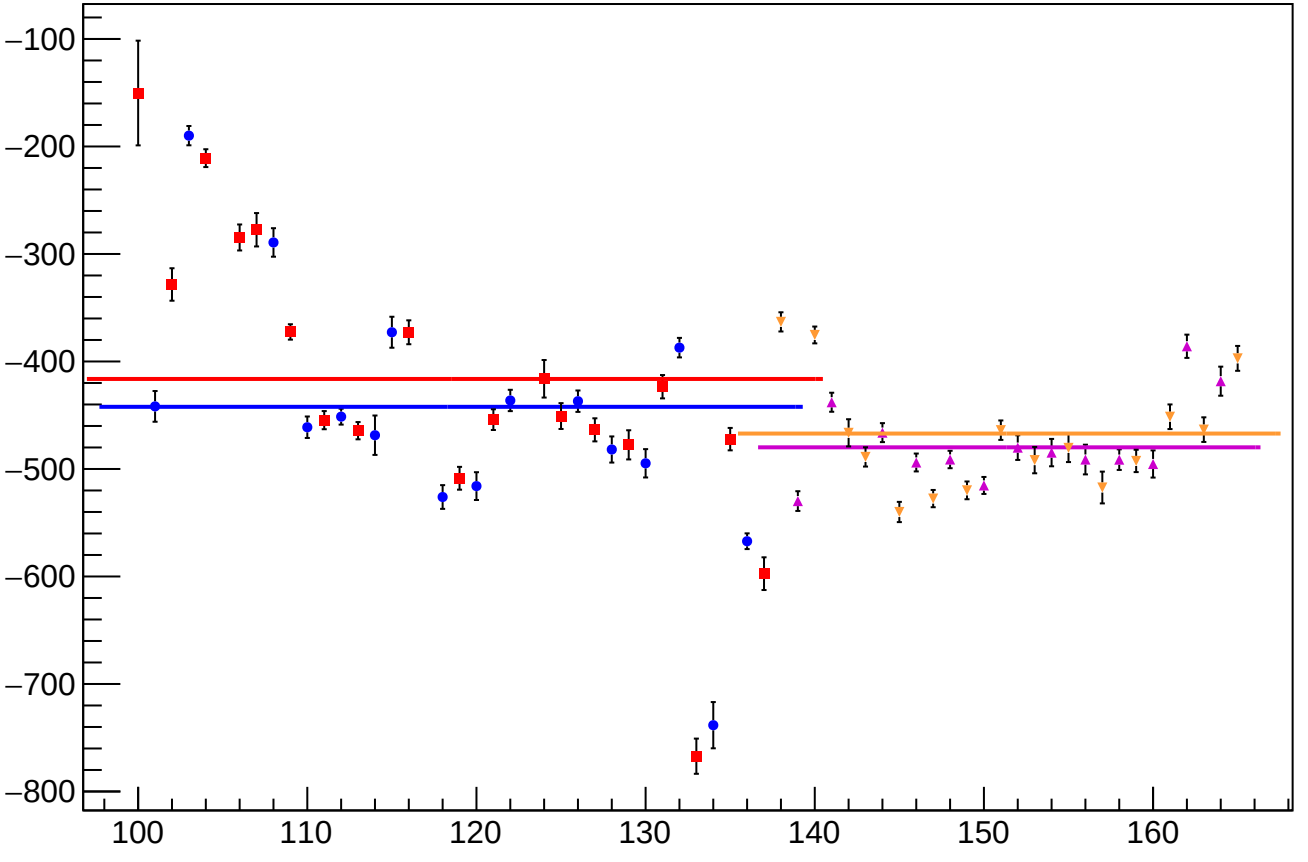
Left In: -20.999+/-0.032 χ^2/NDF:84364.3/12

+ sign -22.671+/-0.027 χ^2/NDF: 176126.8/30

All: -21.708+/-0.019 χ^2/NDF: 347370.3/62

- sign -20.693+/-0.028 χ^2/NDF: 168659.0/31

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -467.051+/-2.580 χ^2/NDF:497.6/14

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

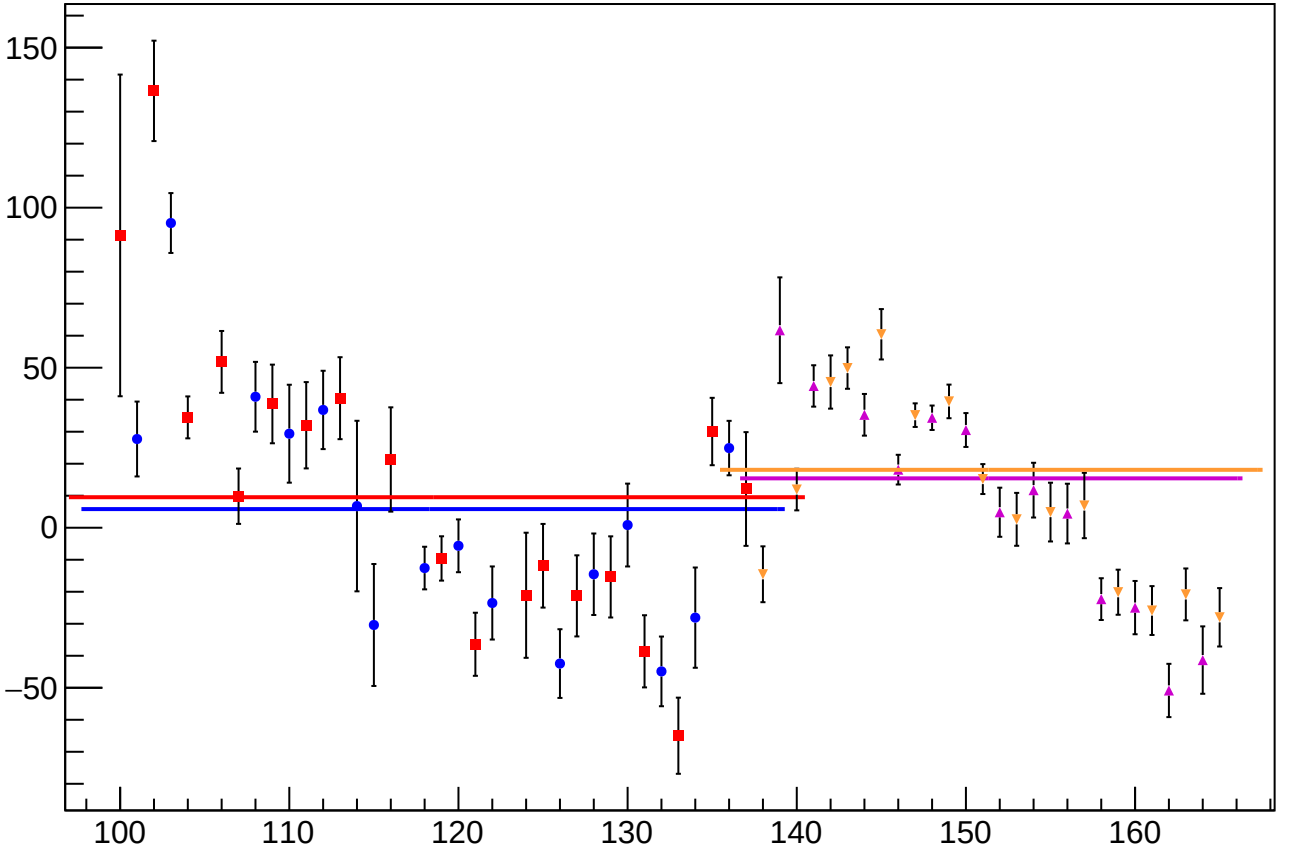
Left In: -479.864+/-2.738 χ^2/NDF:179.5/12

+ sign -455.095+/-1.859 χ^2/NDF: 2131.3/30

All: -450.265+/-1.313 χ^2/NDF: 4370.0/62

- sign -445.455+/-1.855 χ^2/NDF: 2225.2/31

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 18.094+/-1.697 χ^2/NDF:235.2/14

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

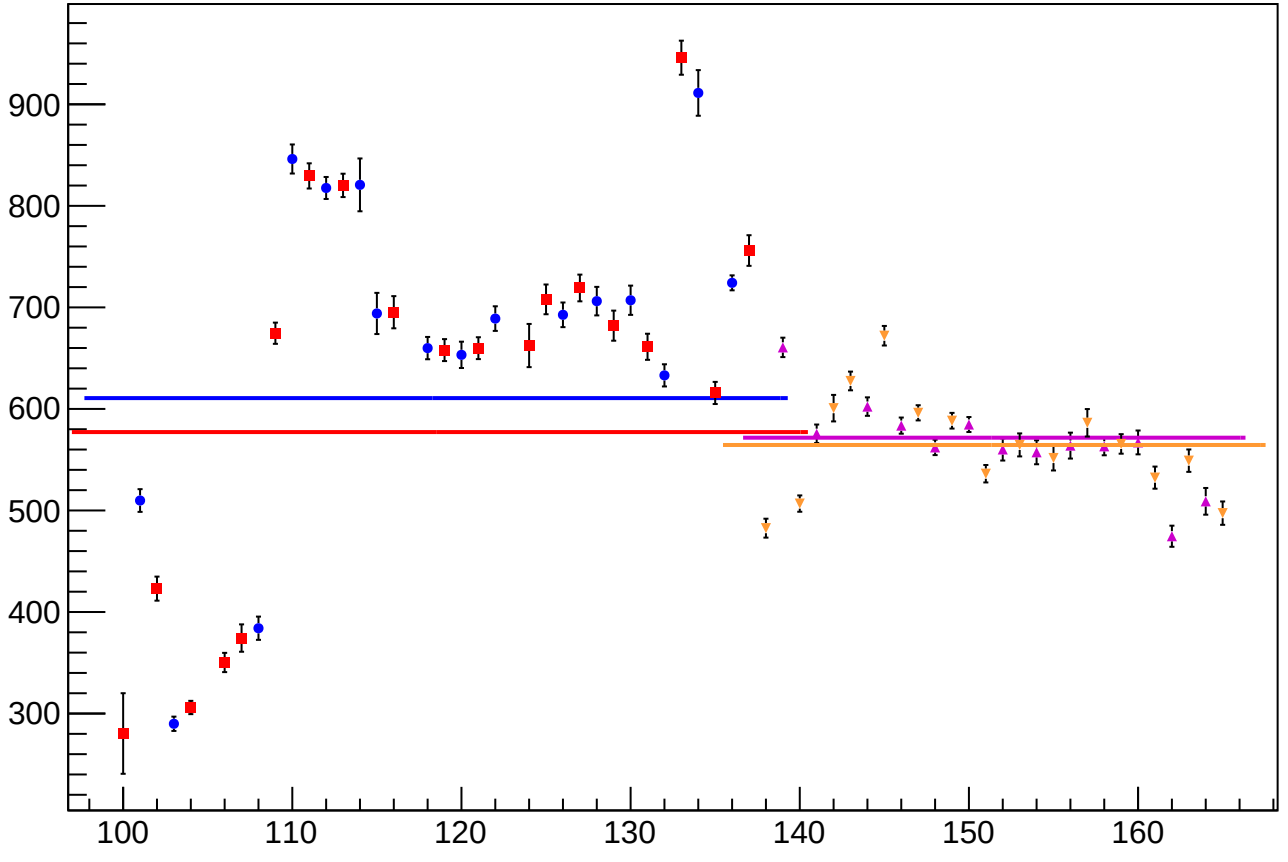
Left In: 15.425+/-1.809 χ^2/NDF:223.1/12

+ sign 14.672+/-1.441 χ^2/NDF: 437.9/30

All: 14.081+/-1.031 χ^2/NDF: 887.1/62

- sign 13.459+/-1.477 χ^2/NDF: 448.8/31

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 564.494+/-2.512 χ^2/NDF:394.8/14

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

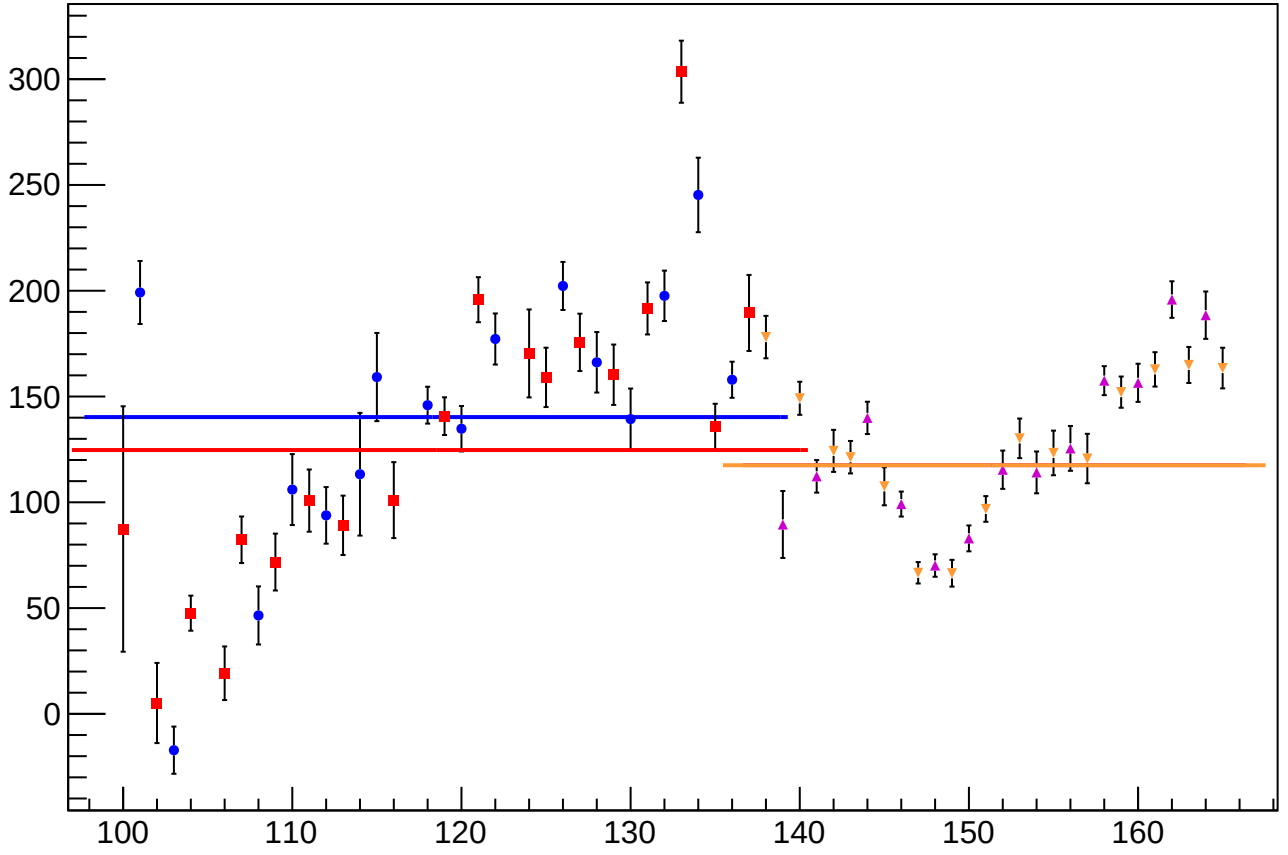
Left In: 571.673+/-2.640 χ^2/NDF:218.8/12

+ sign 584.349+/-1.897 χ^2/NDF: 4432.6/30

All: 579.360+/-1.344 χ^2/NDF: 9467.7/62

- sign 574.321+/-1.906 χ^2/NDF: 5021.2/31

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 117.517+/-2.029 χ^2/NDF:341.6/14

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

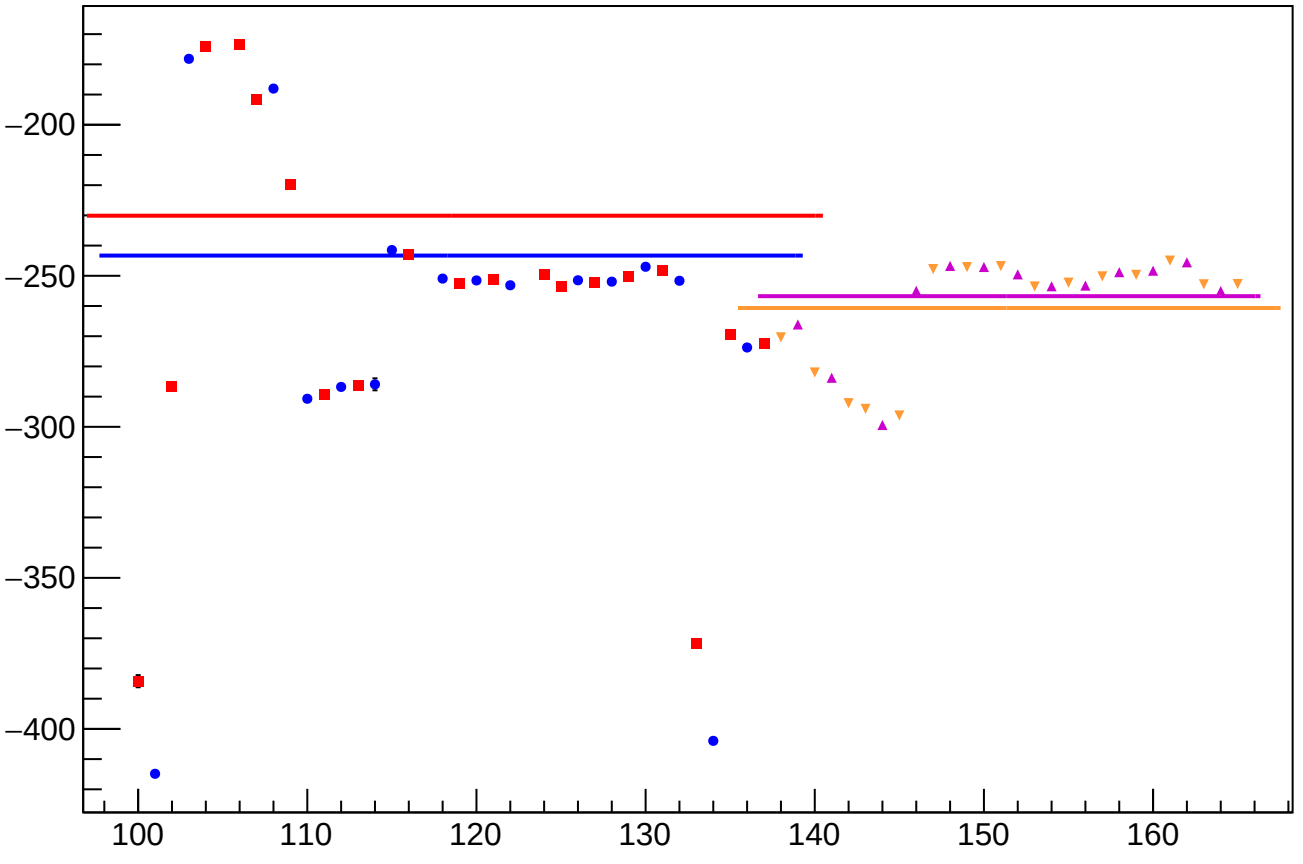
Left In: 117.574+/-2.157 χ^2/NDF:309.0/12

+ sign 124.188+/-1.706 χ^2/NDF: 763.8/30

All: 122.155+/-1.220 χ^2/NDF: 1588.1/62

- sign 120.024+/-1.747 χ^2/NDF: 821.3/31

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -260.660+/-0.098 χ^2/NDF:33599.3/14

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

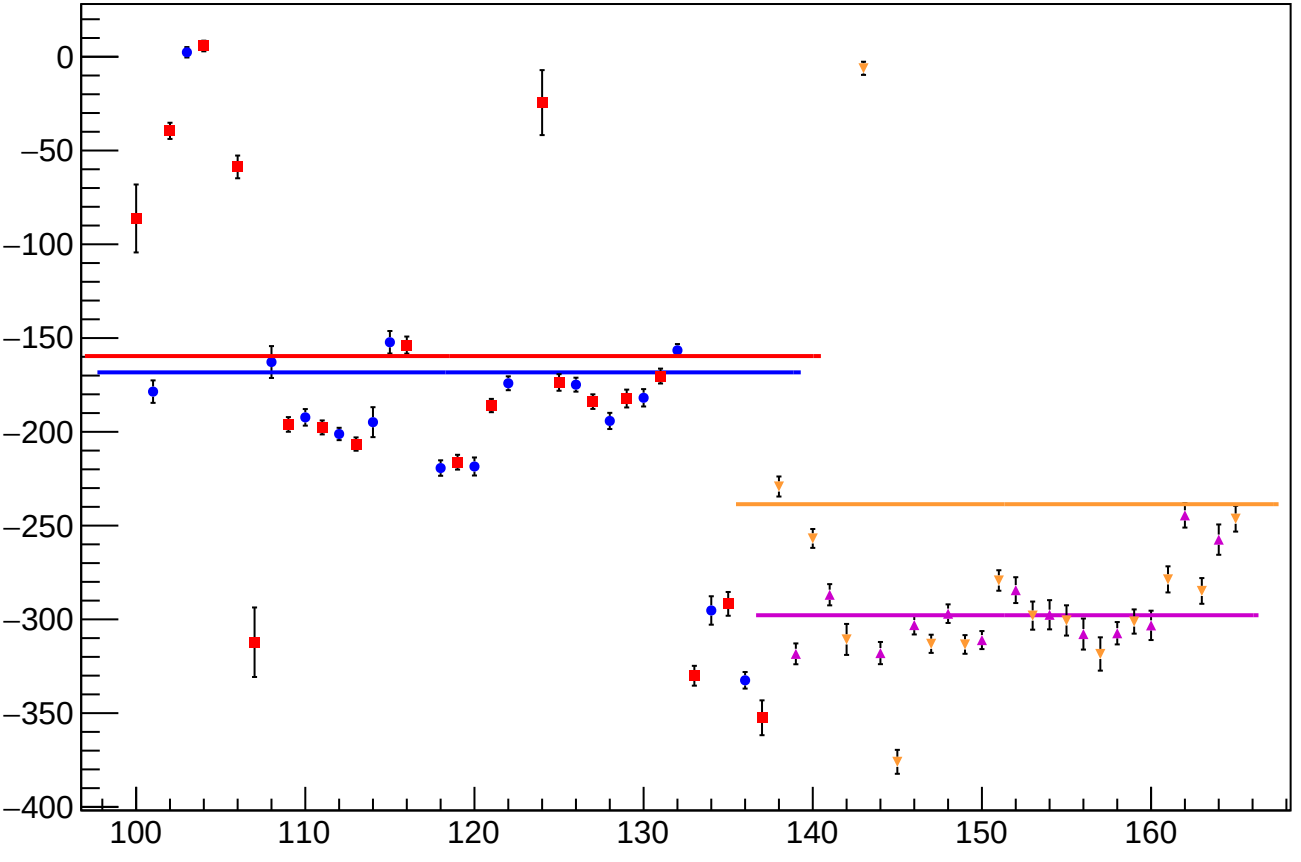
Left In: -256.747+/-0.101 χ^2/NDF:21533.4/12

+ sign -256.038+/-0.084 χ^2/NDF: 215450.7/30

All: -252.550+/-0.060 χ^2/NDF: 363221.8/62

- sign -248.961+/-0.085 χ^2/NDF: 144262.8/31

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -238.586+/-1.500 χ^2/NDF:5835.5/14

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

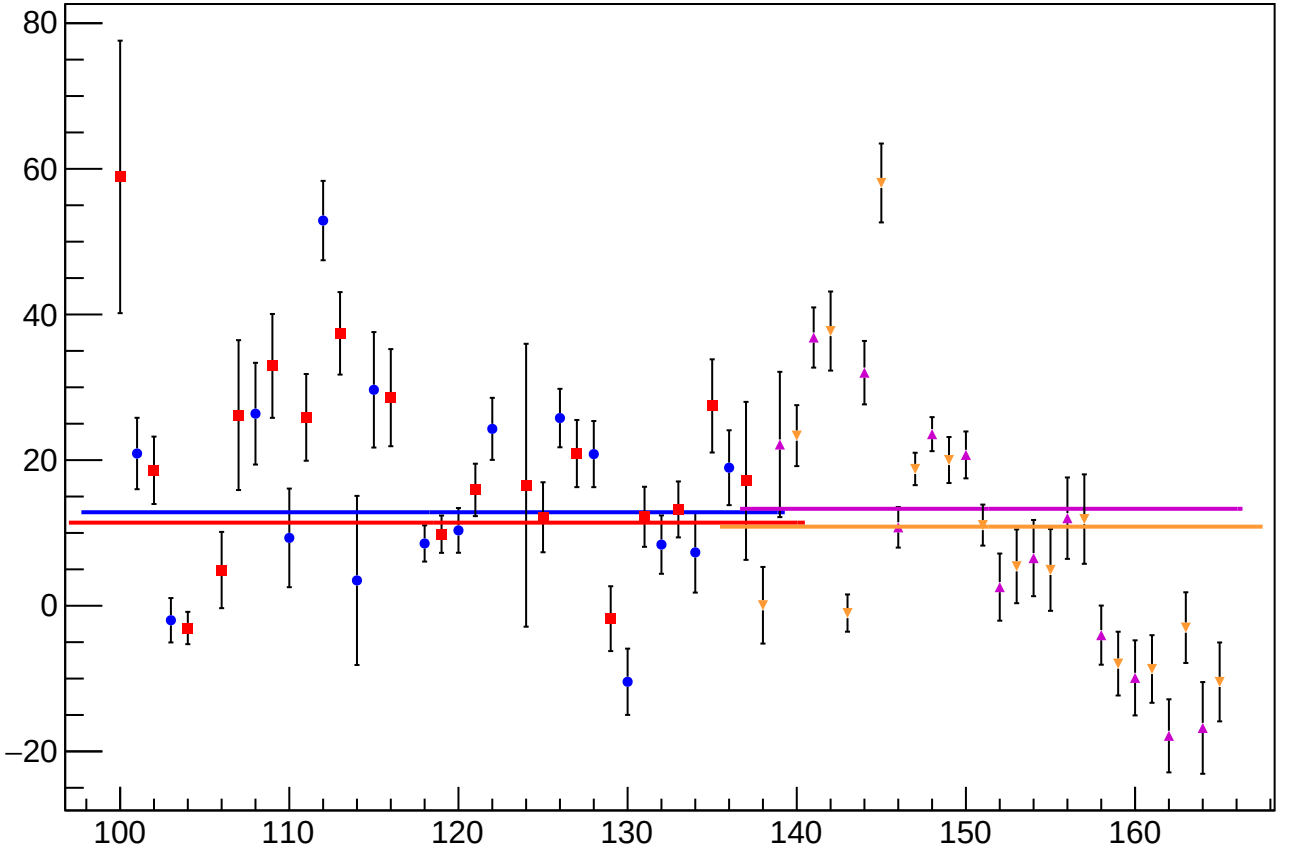
Left In: -297.794+/-1.687 χ^2/NDF:137.6/12

+ sign -192.156+/-0.874 χ^2/NDF: 13192.7/30

All: -194.930+/-0.623 χ^2/NDF: 25405.2/62

- sign -197.783+/-0.887 χ^2/NDF: 12192.1/31

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 10.862+/-0.993 χ^2/NDF:218.2/14

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

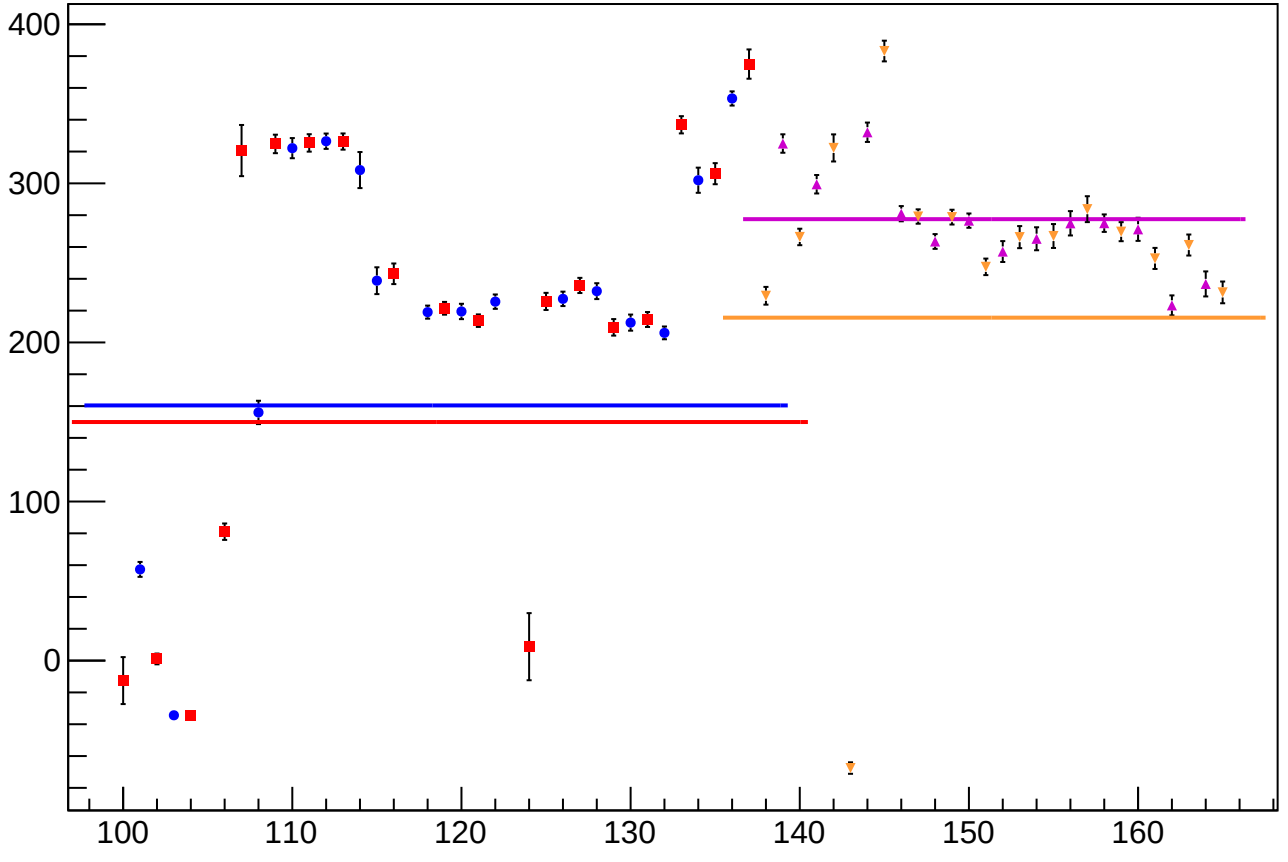
Left In: 13.314+/-1.112 χ^2/NDF:184.1/12

+ sign 11.772+/-0.730 χ^2/NDF: 363.7/30

All: 12.024+/-0.526 χ^2/NDF: 669.2/62

- sign 12.296+/-0.758 χ^2/NDF: 305.2/31

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 215.577+/-1.467 χ^2/NDF:7830.9/14

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

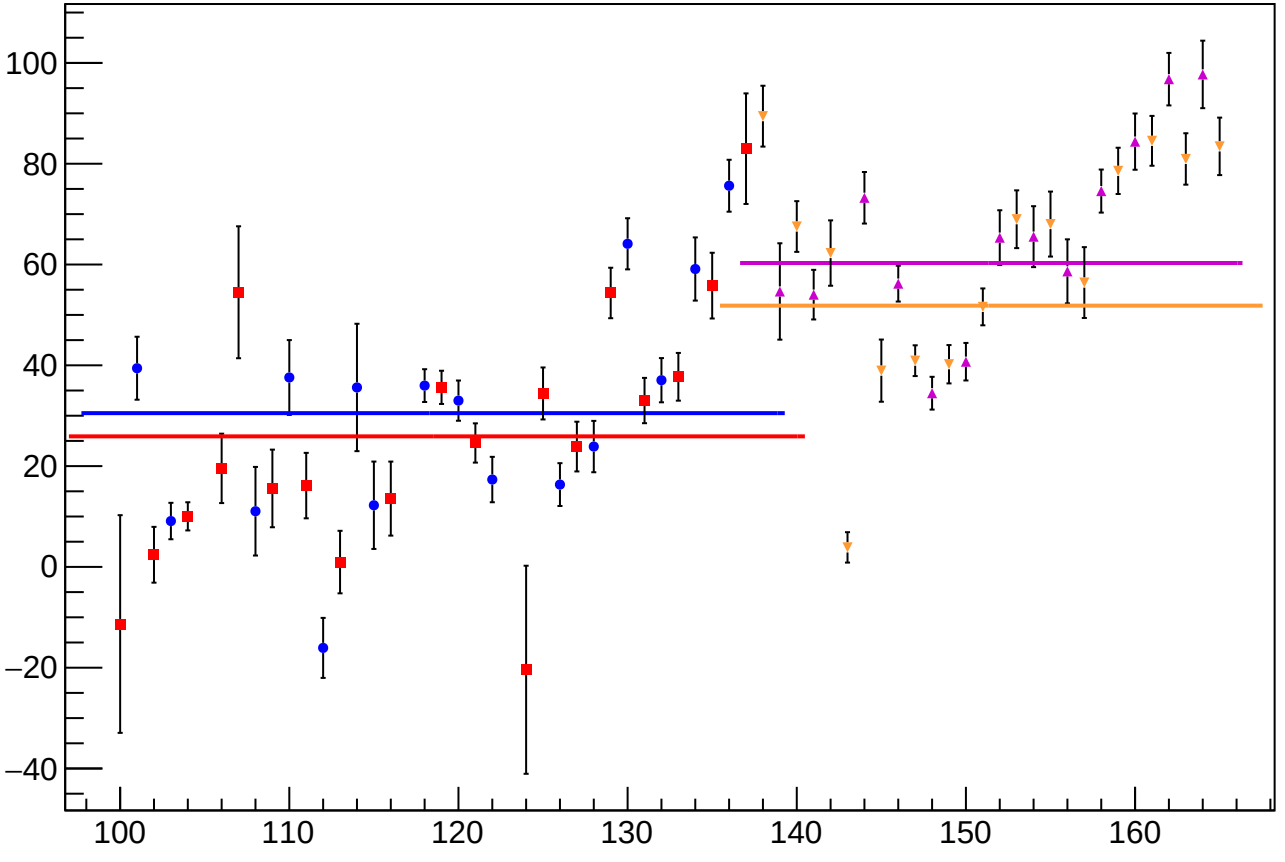
Left In: 277.498+/-1.624 χ^2/NDF:286.8/12

+ sign 181.157+/-0.900 χ^2/NDF: 22663.2/30

All: 185.708+/-0.641 χ^2/NDF: 43477.0/62

- sign 190.412+/-0.915 χ^2/NDF: 20761.8/31

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 51.840+/-1.187 χ^2/NDF:487.1/14

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

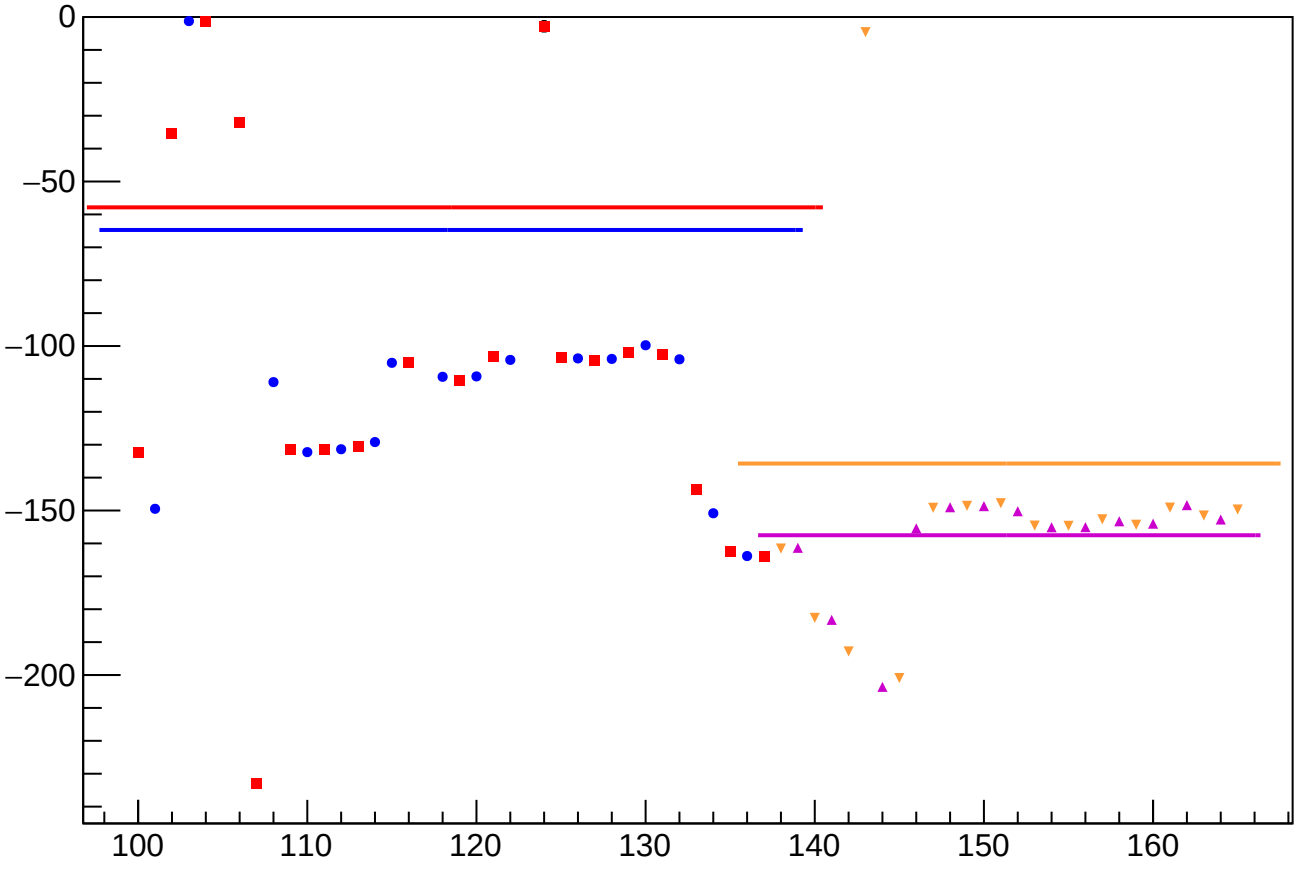
Left In: 60.302+/-1.326 χ^2/NDF:212.2/12

+ sign 41.768+/-0.862 χ^2/NDF: 916.6/30

All: 41.673+/-0.621 χ^2/NDF: 1682.9/62

- sign 41.570+/-0.895 χ^2/NDF: 766.3/31

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -135.719+/-0.057 χ^2/NDF:958042.1/14

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

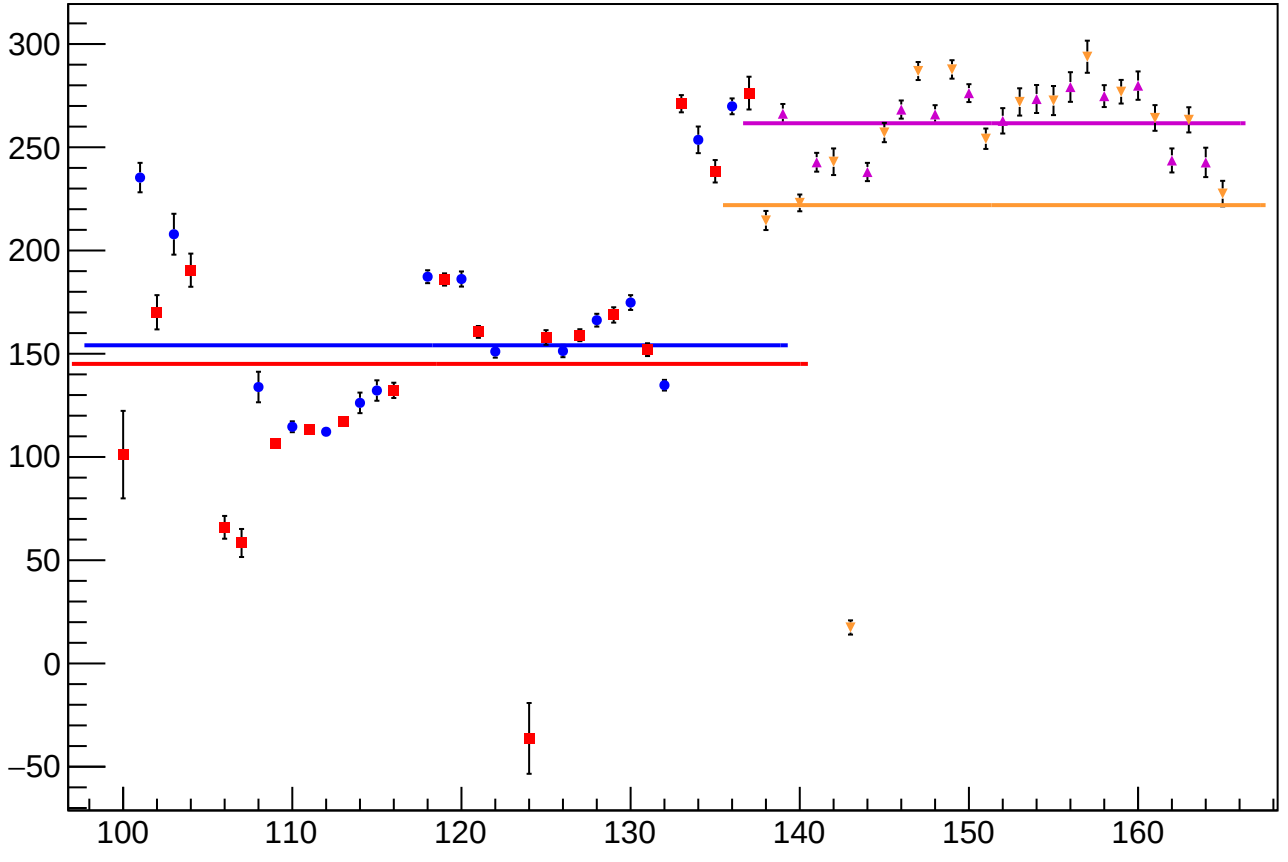
Left In: -157.515+/-0.062 χ^2/NDF:48605.4/12

+ sign -103.956+/-0.043 χ^2/NDF: 2686859.7/30

All: -105.800+/-0.031 χ^2/NDF: 4902601.2/62

- sign -107.754+/-0.044 χ^2/NDF: 2211892.8/31

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 221.973+/-1.320 χ^2/NDF:4454.9/14

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

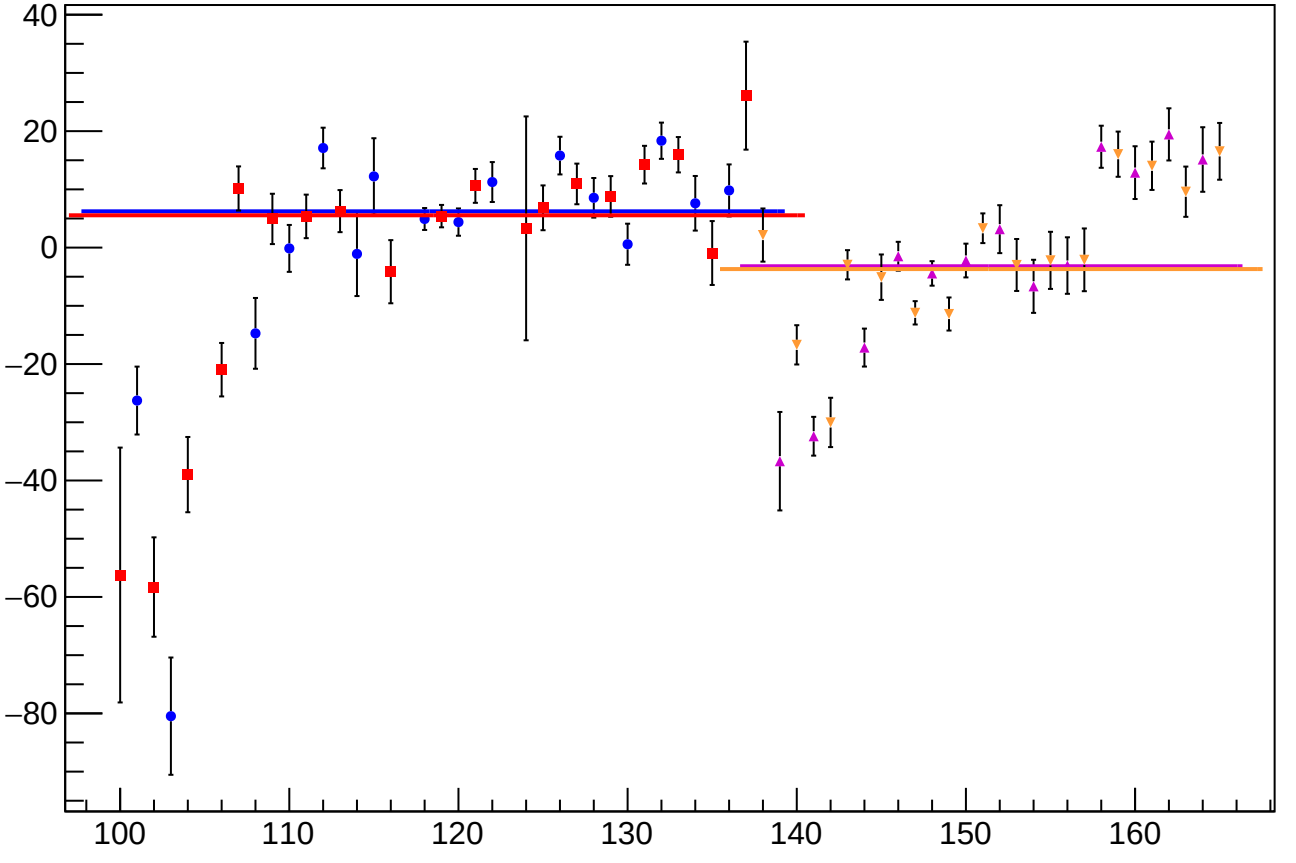
Left In: 261.631+/-1.453 χ^2/NDF:100.2/12

+ sign 174.630+/-0.726 χ^2/NDF: 8581.3/30

All: 174.084+/-0.510 χ^2/NDF: 16503.2/62

- sign 173.548+/-0.718 χ^2/NDF: 7920.7/31

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -3.688+/-0.881 χ^2/NDF:155.4/14

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

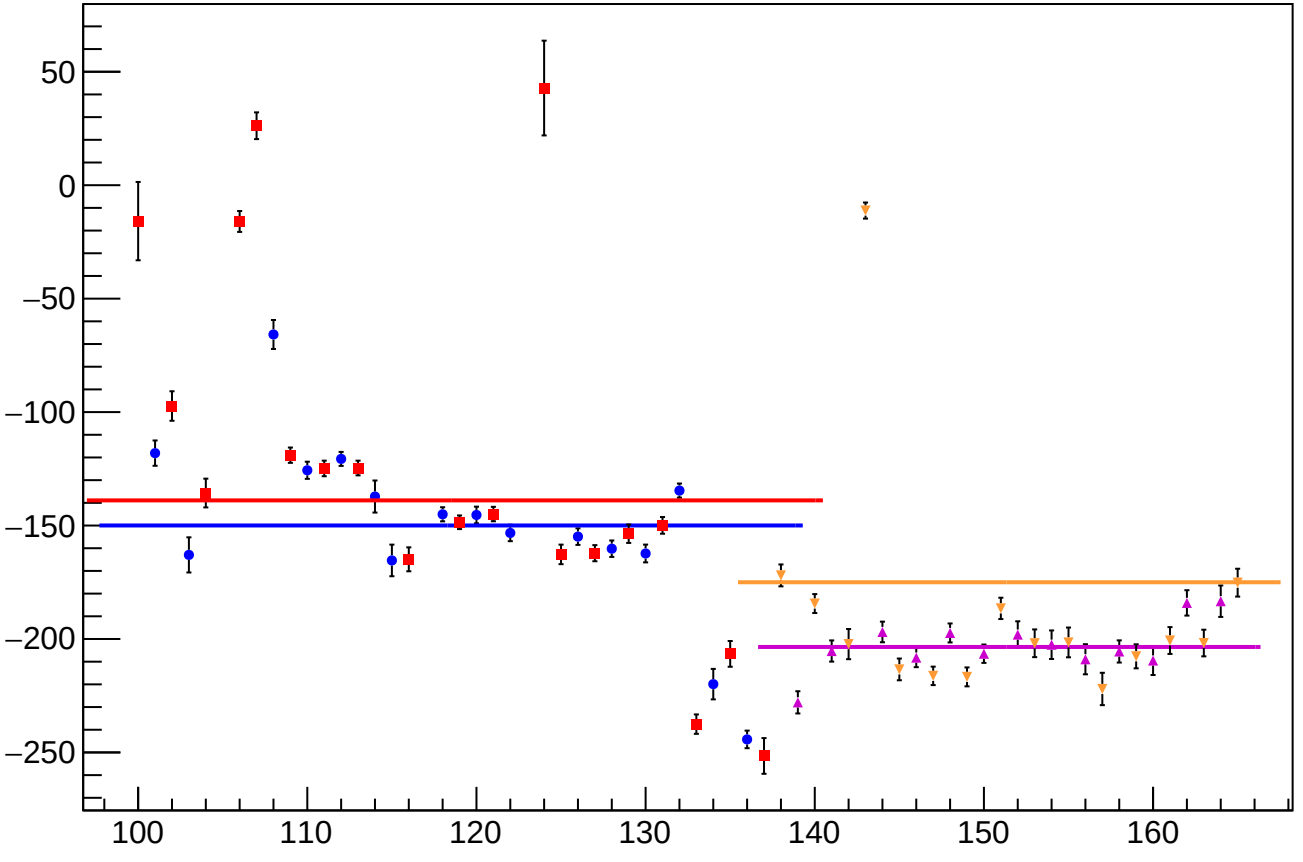
Left In: -3.205+/-0.970 χ^2/NDF:196.1/12

+ sign 1.220+/-0.626 χ^2/NDF: 380.2/30

All: 1.377+/-0.453 χ^2/NDF: 801.8/62

- sign 1.549+/-0.655 χ^2/NDF: 421.5/31

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -174.999+/-1.292 χ^2/NDF:2589.3/14

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

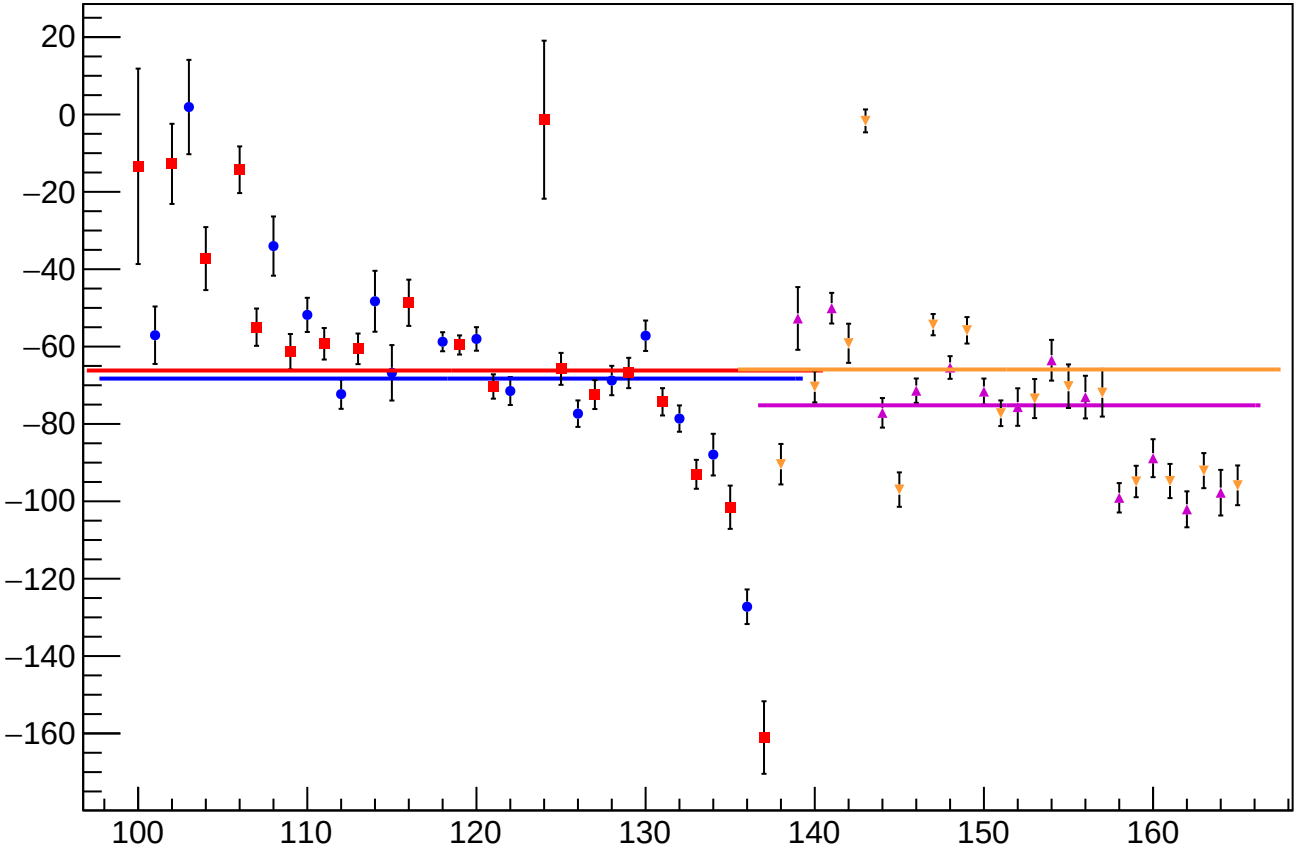
Left In: -203.520+/-1.404 χ^2/NDF:54.2/12

+ sign -159.643+/-0.803 χ^2/NDF: 3919.0/30

All: -160.047+/-0.571 χ^2/NDF: 8135.1/62

- sign -160.458+/-0.811 χ^2/NDF: 4215.6/31

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -65.920+/-1.051 χ^2/NDF:746.8/14

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

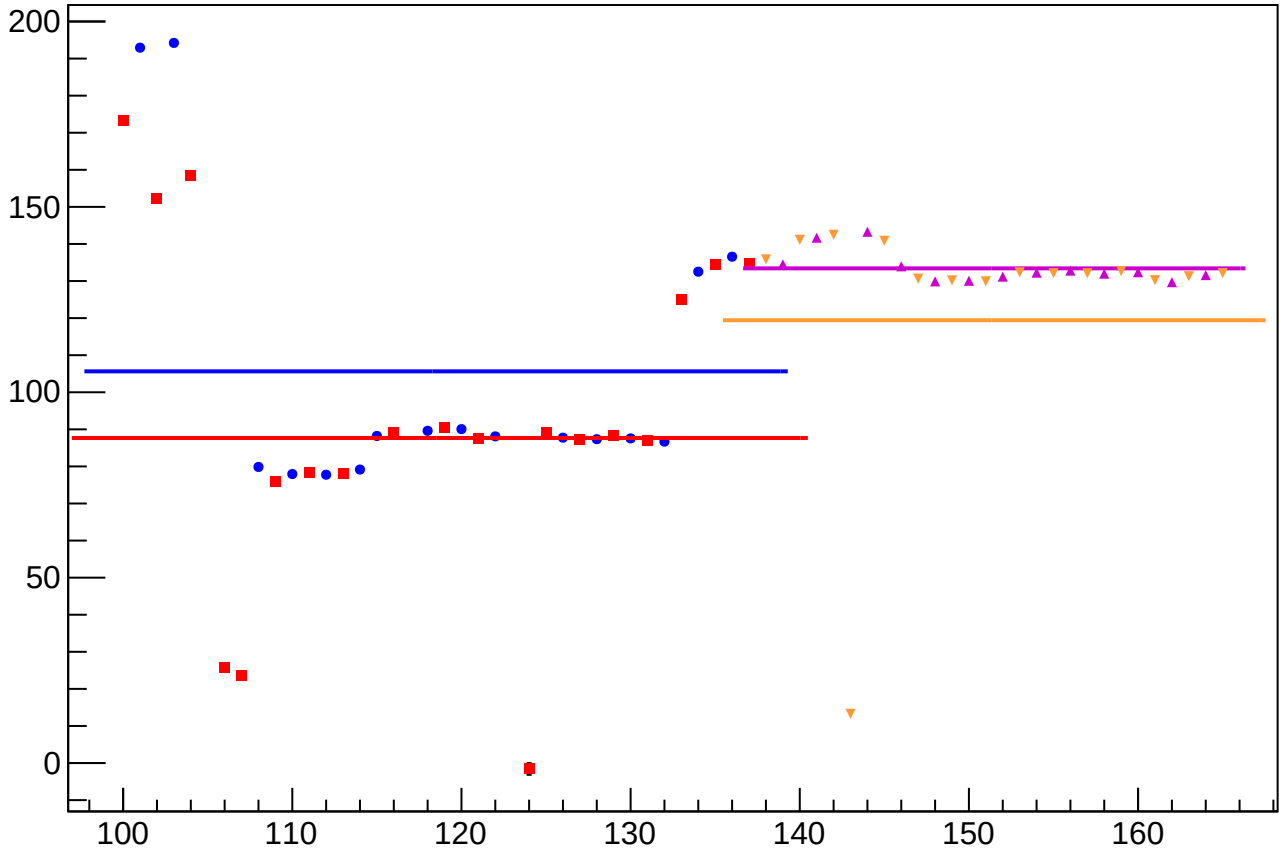
Left In: -75.184+/-1.154 χ^2/NDF:162.3/12

+ sign -67.116+/-0.737 χ^2/NDF: 1064.8/30

All: -68.574+/-0.531 χ^2/NDF: 1627.6/62

- sign -70.150+/-0.766 χ^2/NDF: 554.7/31

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 119.421+/-0.051 χ^2/NDF:596700.3/14

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

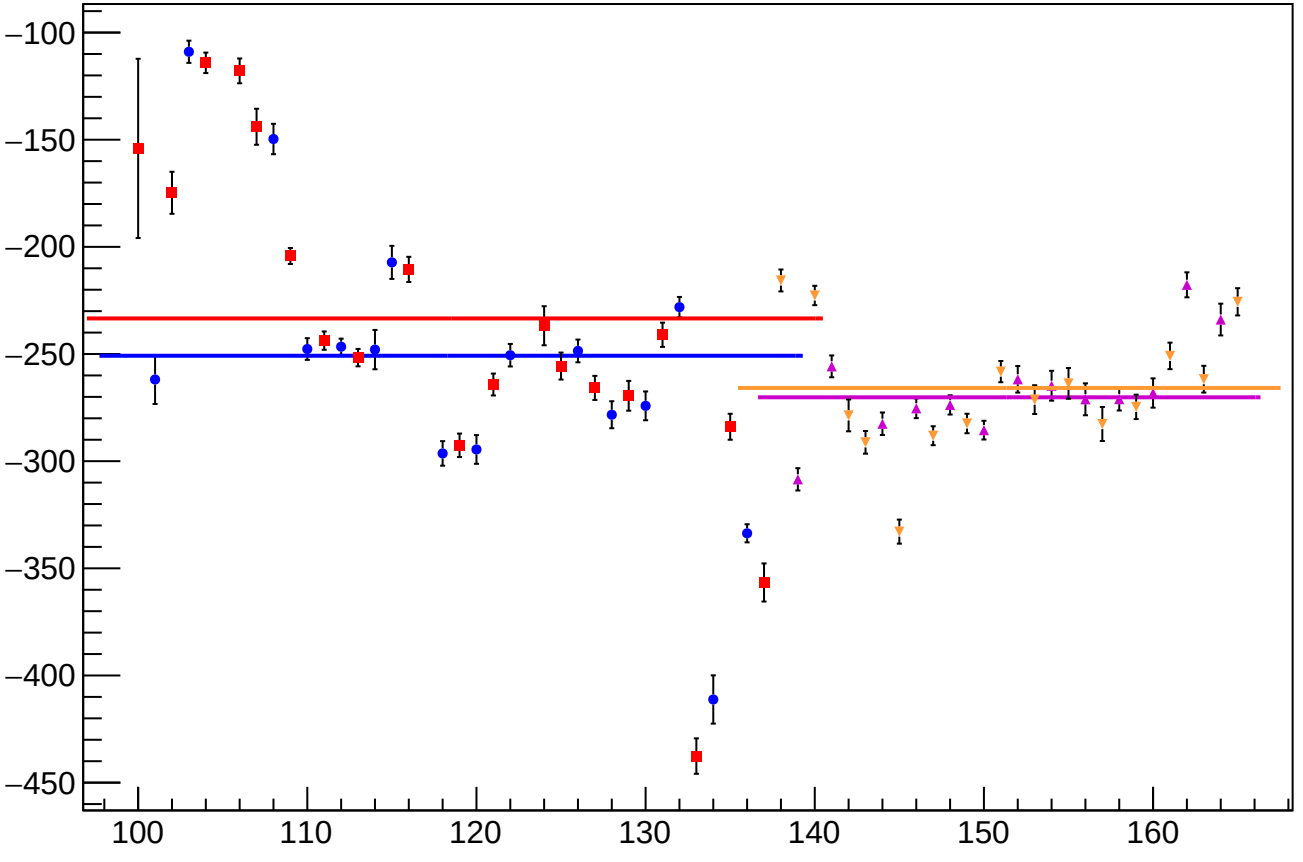
Left In: 133.418+/-0.054 χ^2/NDF:5723.8/12

+ sign 114.768+/-0.041 χ^2/NDF: 861388.5/30

All: 114.887+/-0.029 χ^2/NDF: 1531925.7/62

- sign 115.009+/-0.042 χ^2/NDF: 670520.2/31

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -265.830+/-1.446 χ^2/NDF:450.9/14

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

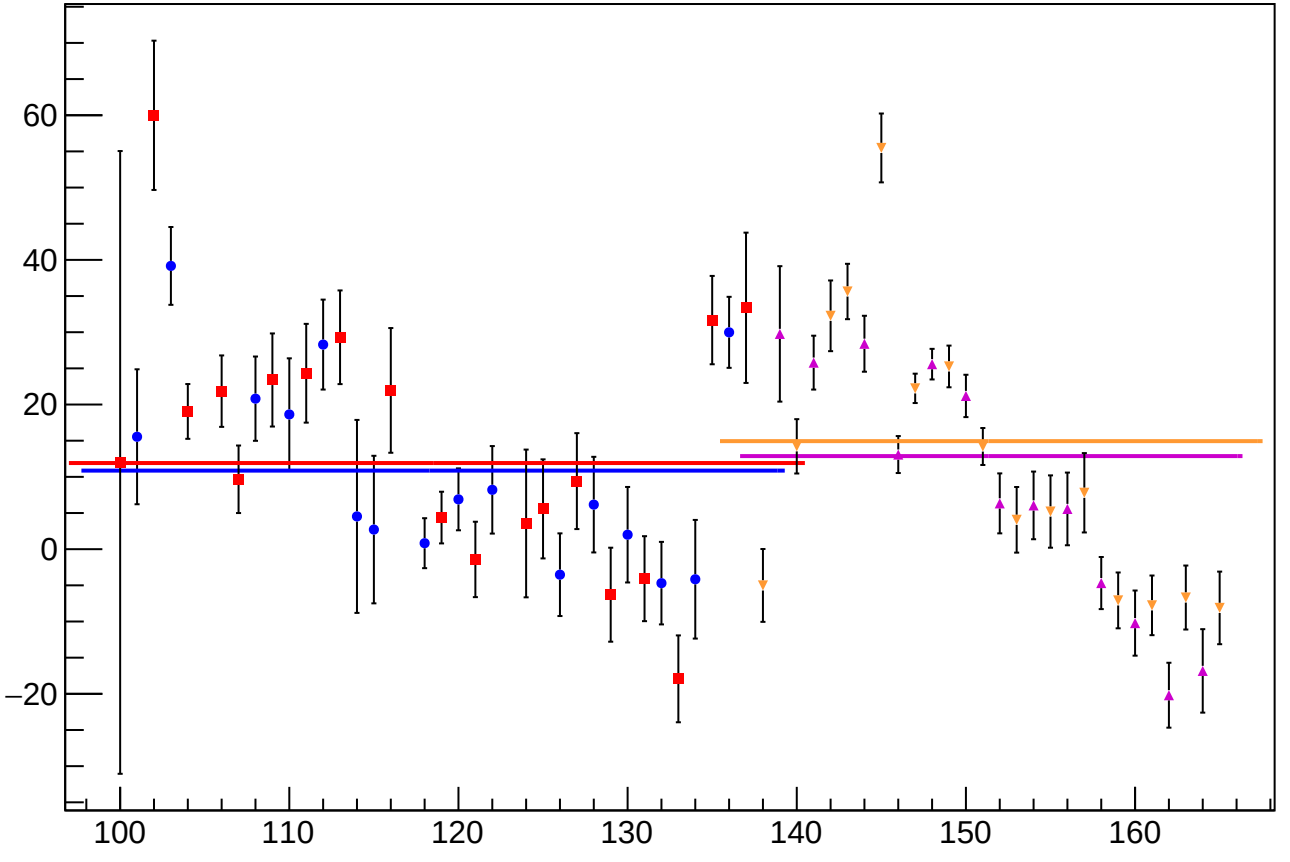
Left In: -270.194+/-1.524 χ^2/NDF:189.4/12

+ sign -258.279+/-1.020 χ^2/NDF: 2240.8/30

All: -253.744+/-0.715 χ^2/NDF: 5178.0/62

- sign -249.354+/-1.003 χ^2/NDF: 2898.2/31

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 14.939+/-0.945 χ^2/NDF:275.0/14

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

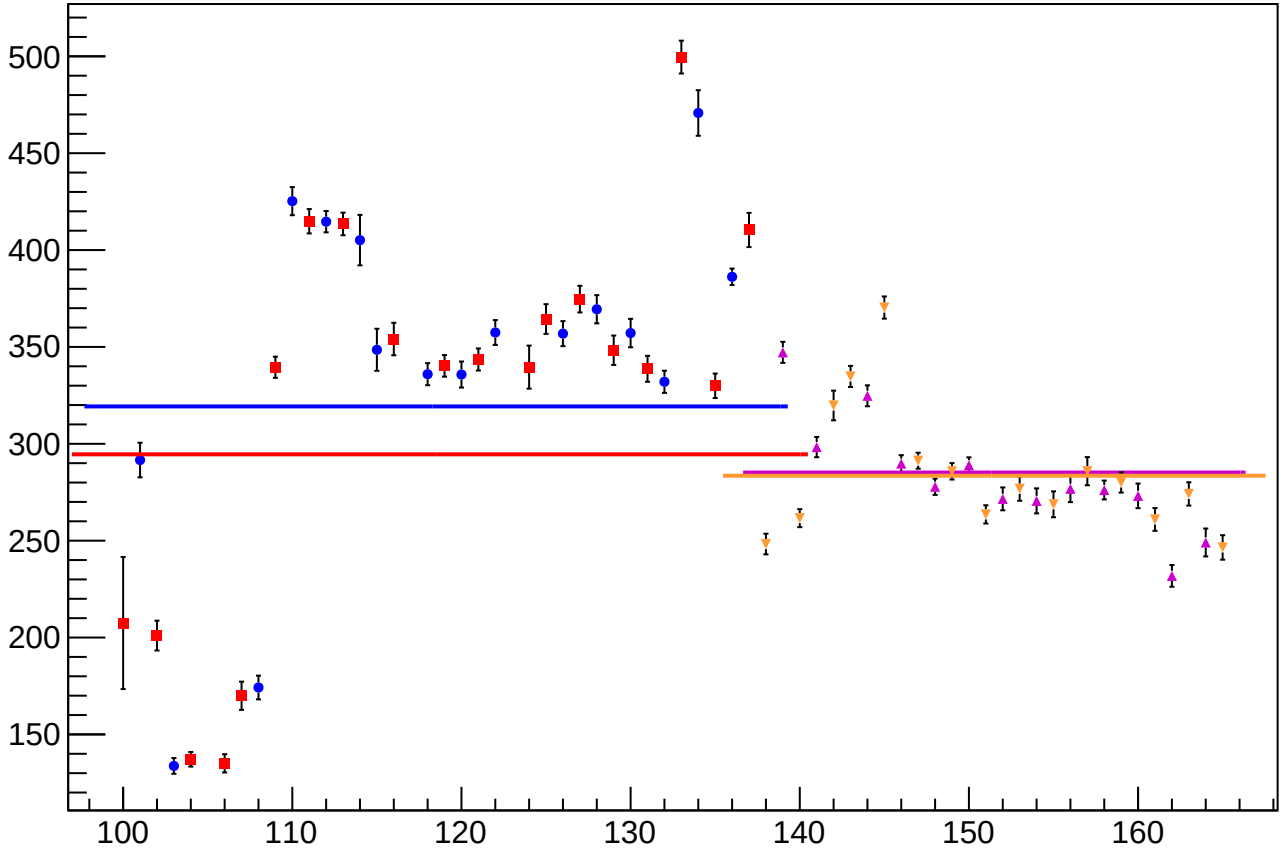
Left In: 12.871+/-1.003 χ^2/NDF:213.2/12

+ sign 13.748+/-0.795 χ^2/NDF: 365.1/30

All: 13.152+/-0.567 χ^2/NDF: 691.6/62

- sign 12.536+/-0.809 χ^2/NDF: 325.4/31

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 283.523+/-1.404 χ^2/NDF:486.6/14

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

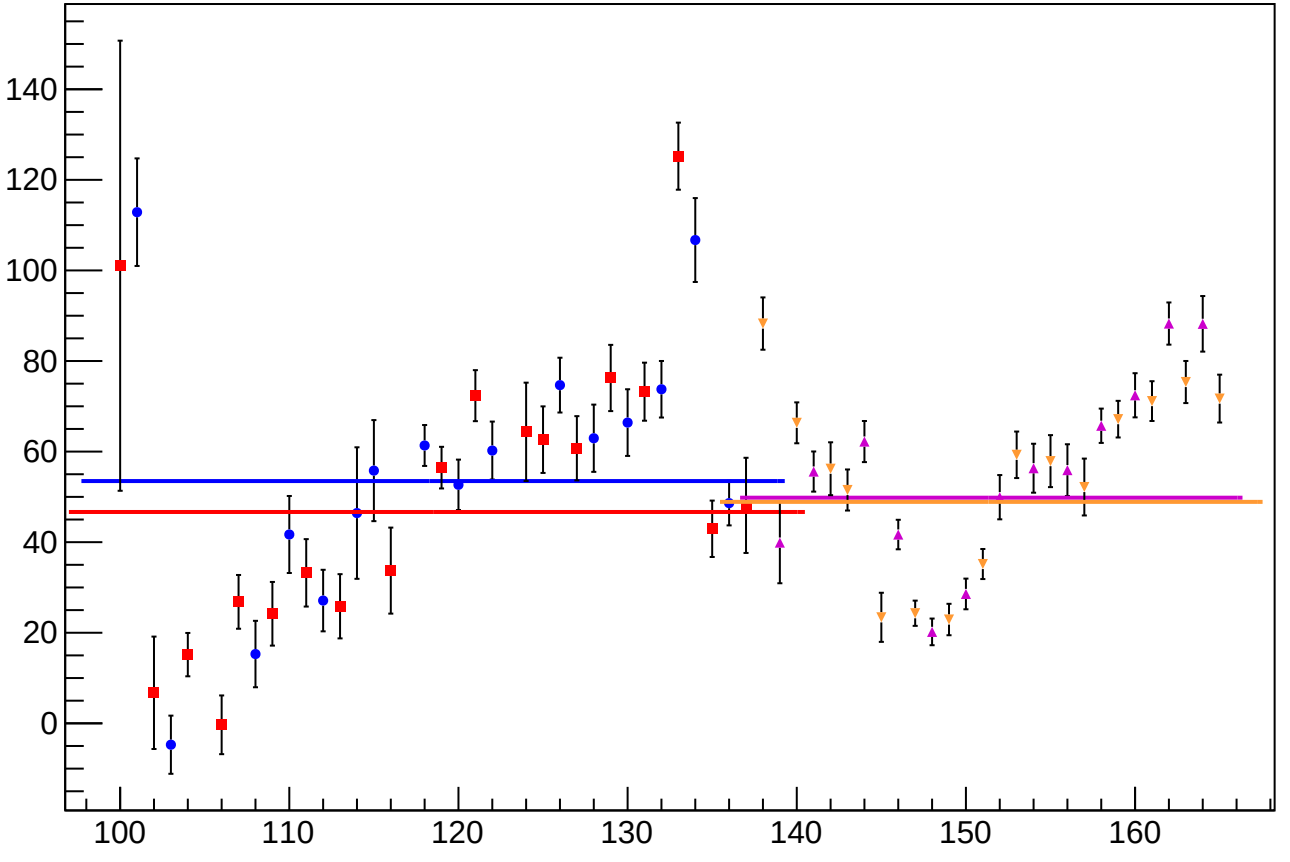
Left In: 285.182+/-1.466 χ^2/NDF:330.3/12

+ sign 299.238+/-1.051 χ^2/NDF: 4564.7/30

All: 294.491+/-0.740 χ^2/NDF: 10458.9/62

- sign 289.826+/-1.042 χ^2/NDF: 5853.8/31

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 48.898+/-1.130 χ^2/NDF:340.5/14

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

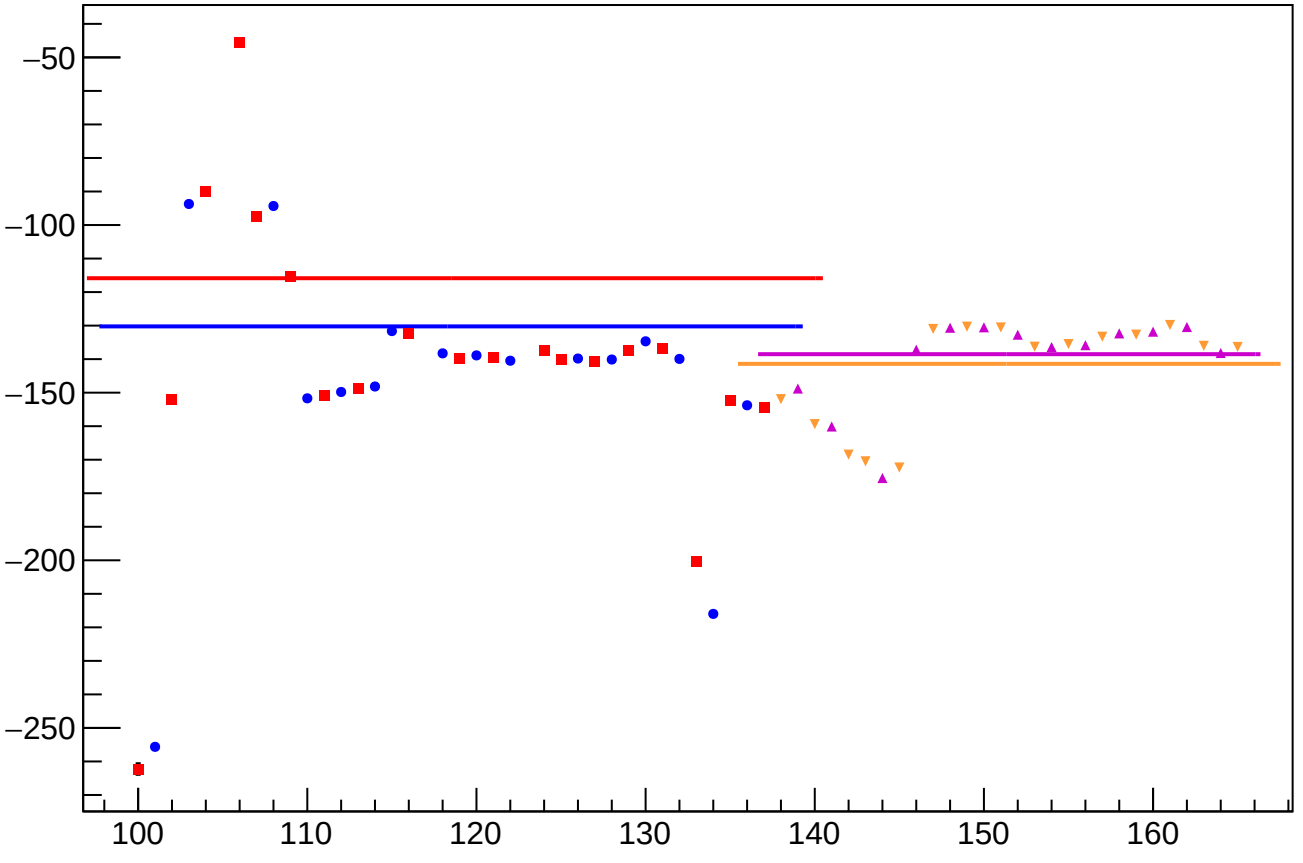
Left In: 49.820+/-1.195 χ^2/NDF:306.3/12

+ sign 50.309+/-0.941 χ^2/NDF: 562.8/30

All: 49.509+/-0.671 χ^2/NDF: 1198.7/62

- sign 48.684+/-0.956 χ^2/NDF: 634.4/31

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -141.408+/-0.055 χ^2/NDF:71797.5/14

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

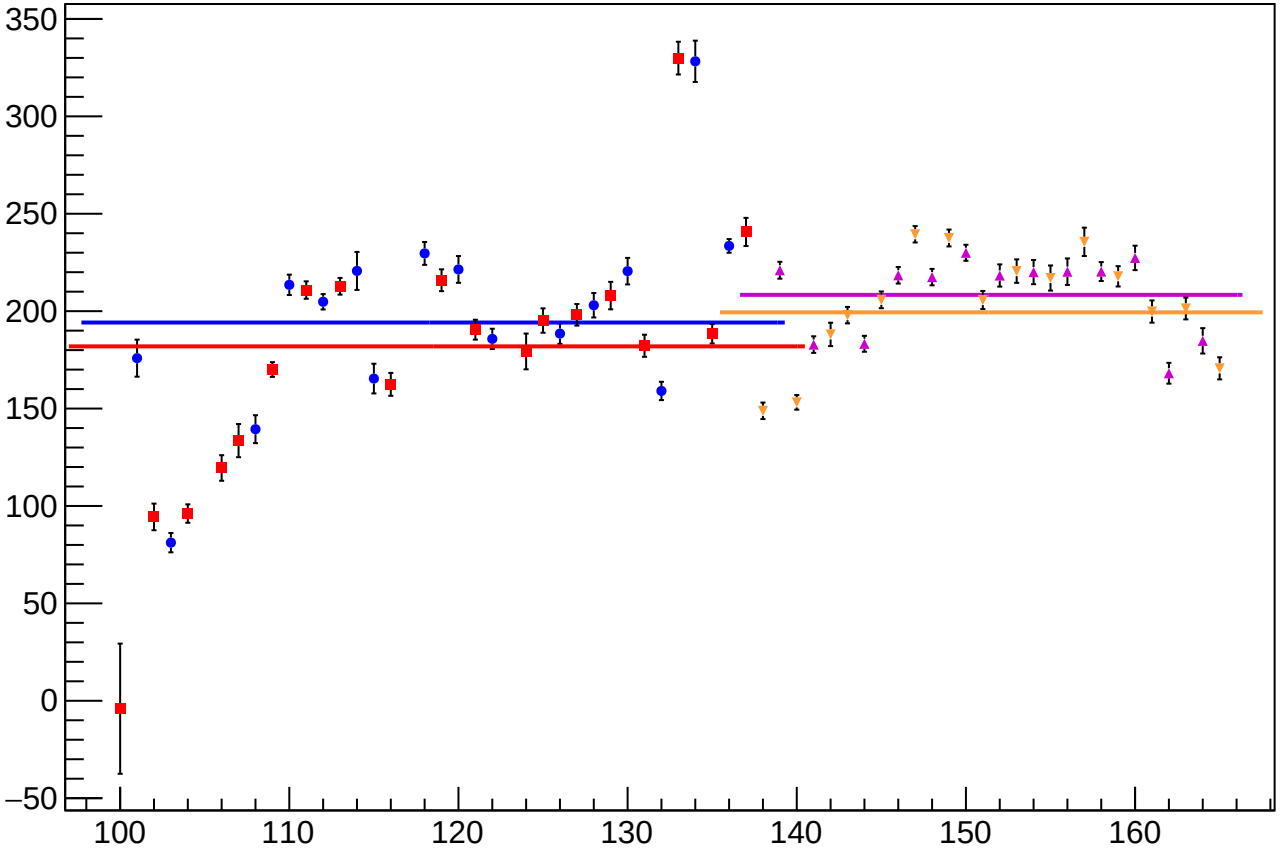
Left In: -138.521+/-0.056 χ^2/NDF:45493.7/12

+ sign -138.460+/-0.047 χ^2/NDF: 257080.9/30

All: -135.110+/-0.033 χ^2/NDF: 567719.7/62

- sign -131.745+/-0.047 χ^2/NDF: 300356.8/31

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 199.385+/-1.268 χ^2/NDF:553.3/14

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

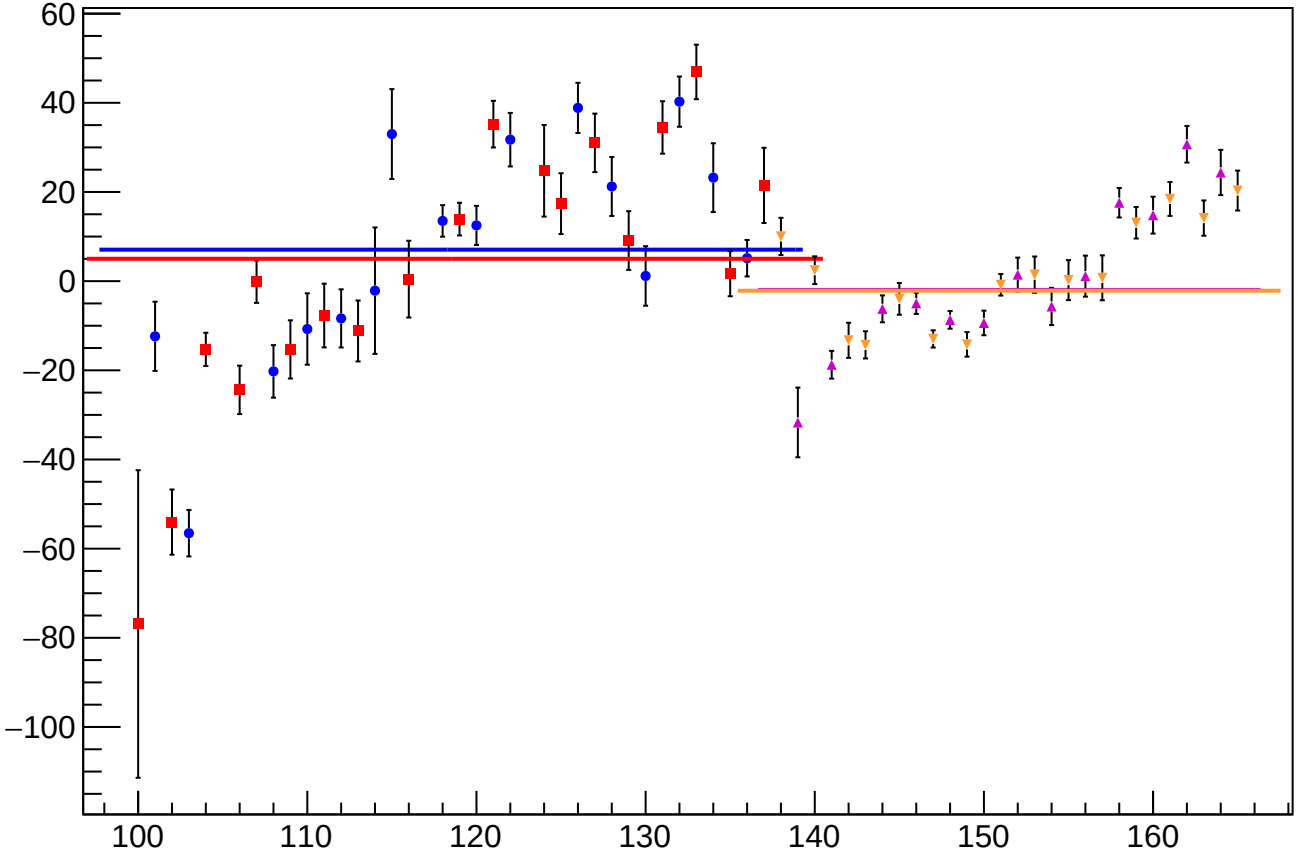
Left In: 208.366+/-1.355 χ^2/NDF:214.9/12

+ sign 197.044+/-0.942 χ^2/NDF: 1596.1/30

All: 195.935+/-0.668 χ^2/NDF: 3213.6/62

- sign 194.816+/-0.946 χ^2/NDF: 1614.7/31

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -2.146+/-0.847 χ^2/NDF:176.9/14

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

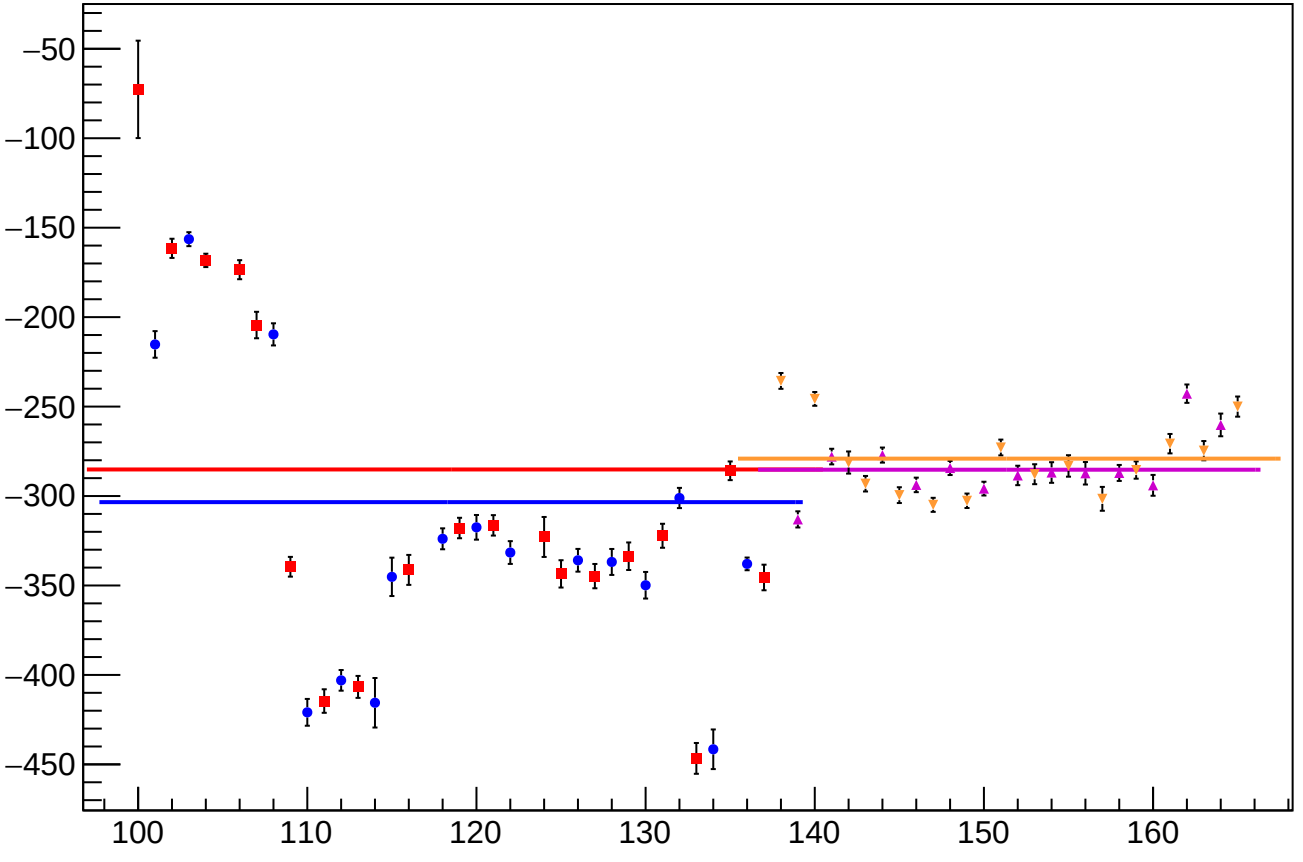
Left In: -1.970+/-0.908 χ^2/NDF:209.5/12

+ sign 0.215+/-0.730 χ^2/NDF: 499.8/30

All: 0.205+/-0.525 χ^2/NDF: 1016.1/62

- sign 0.194+/-0.754 χ^2/NDF: 516.4/31

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -279.092+/-1.239 χ^2/NDF:328.4/14

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

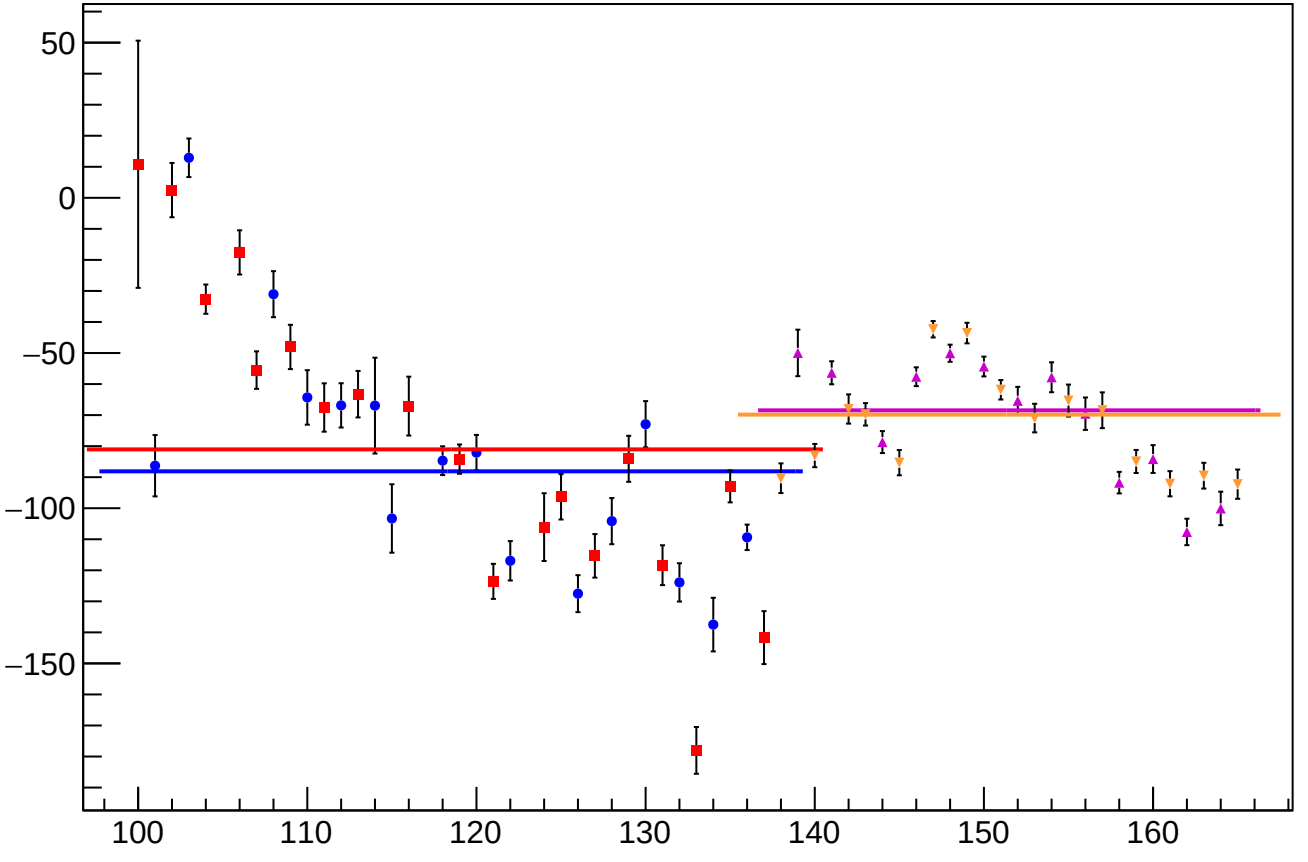
Left In: -285.289+/-1.310 χ^2/NDF:143.5/12

+ sign -288.722+/-0.963 χ^2/NDF: 3266.5/30

All: -286.991+/-0.684 χ^2/NDF: 7171.3/62

- sign -285.226+/-0.972 χ^2/NDF: 3898.3/31

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -69.844+/-1.008 χ^2/NDF:315.1/14

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

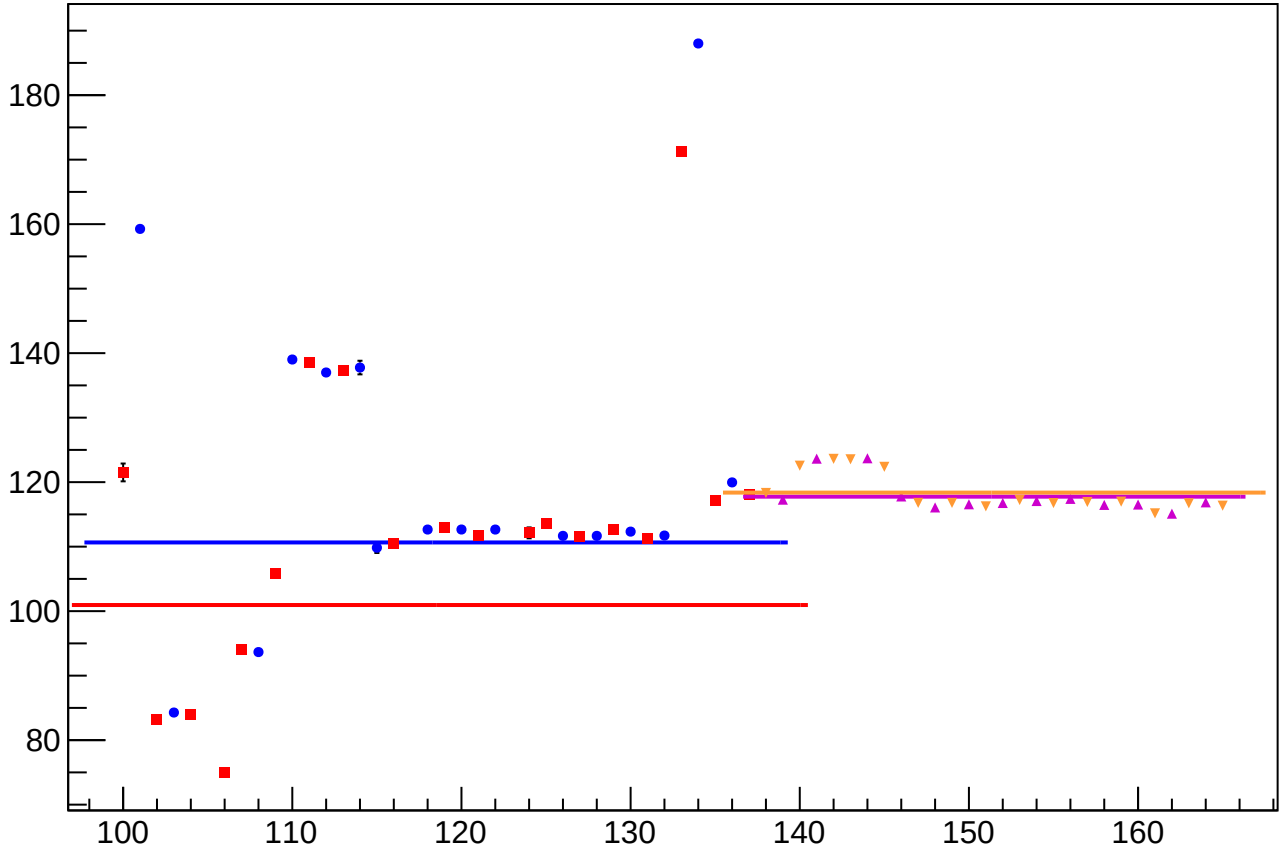
Left In: -68.466+/-1.078 χ^2/NDF:283.3/12

+ sign -74.791+/-0.861 χ^2/NDF: 916.0/30

All: -73.681+/-0.618 χ^2/NDF: 1923.9/62

- sign -72.500+/-0.888 χ^2/NDF: 1004.5/31

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.381+/-0.048 χ^2/NDF:3344.1/14

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

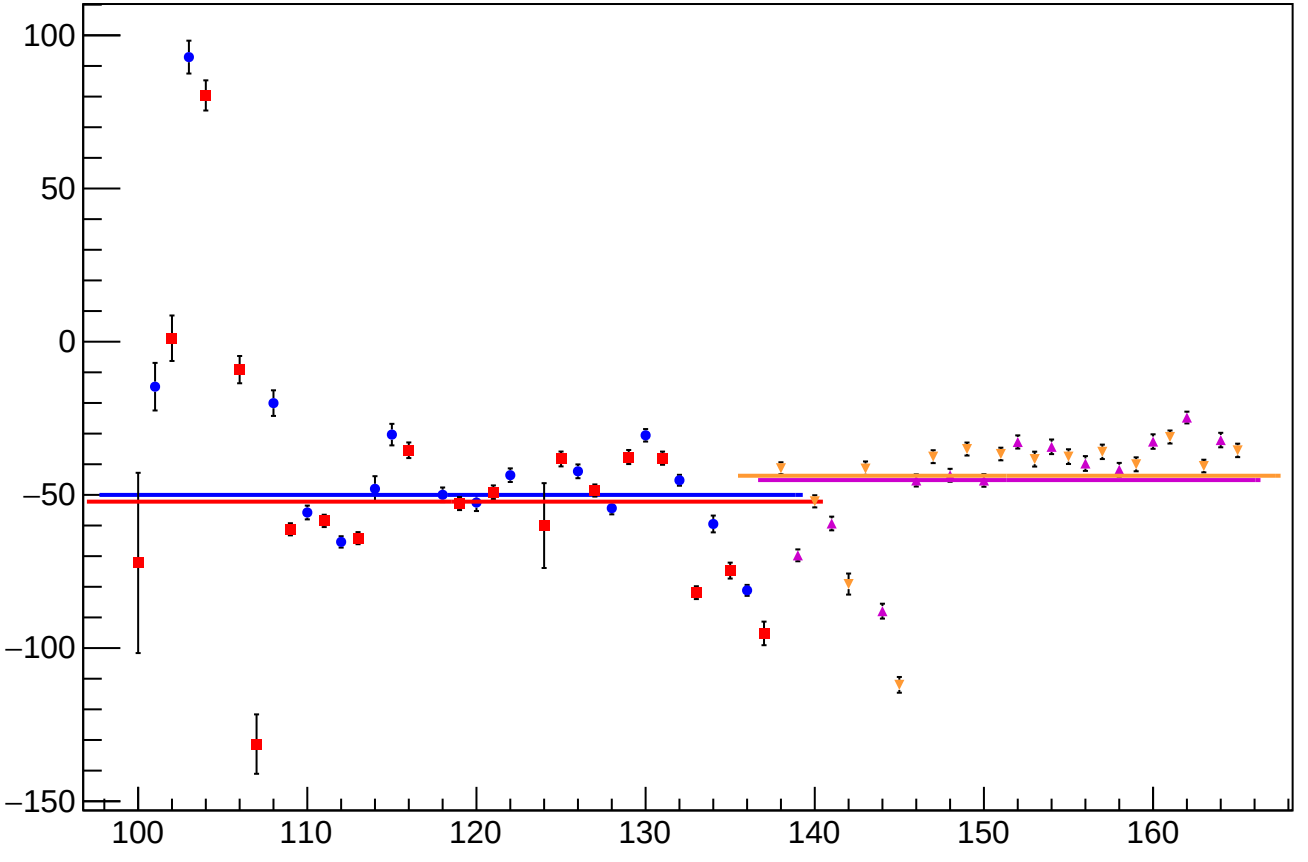
Left In: 117.752+/-0.050 χ^2/NDF:2609.6/12

+ sign 116.525+/-0.042 χ^2/NDF: 93031.1/30

All: 114.833+/-0.030 χ^2/NDF: 192049.5/62

- sign 113.092+/-0.043 χ^2/NDF: 95731.1/31

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -43.752+/-0.578 χ^2/NDF:944.3/14

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

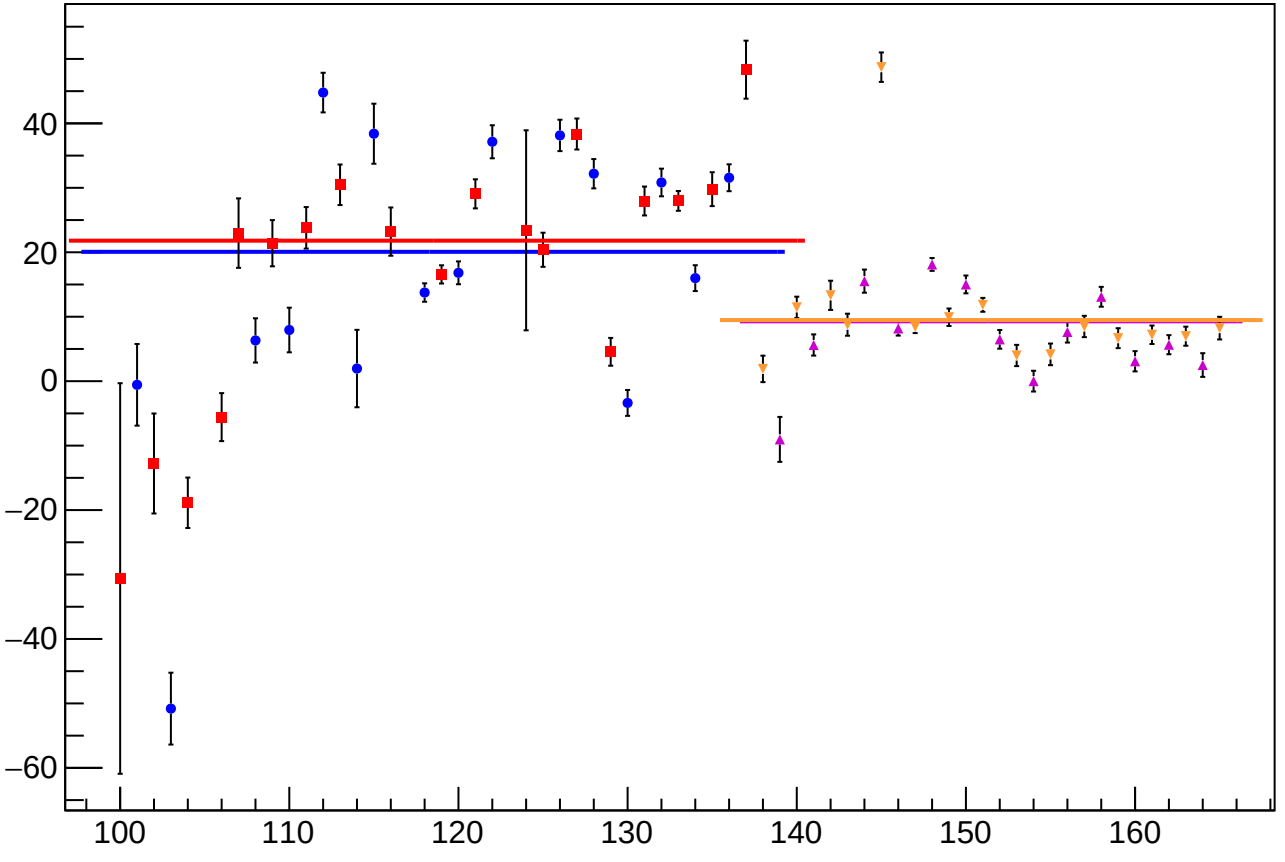
Left In: -45.172+/-0.605 χ^2/NDF:743.0/12

\+ sign -46.714+/-0.420 χ^2/NDF: 2327.1/30

All: -47.682+/-0.300 χ^2/NDF: 4718.9/62

\- sign -48.688+/-0.428 χ^2/NDF: 2380.9/31

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.480+/-0.390 χ^2/NDF:349.7/14

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

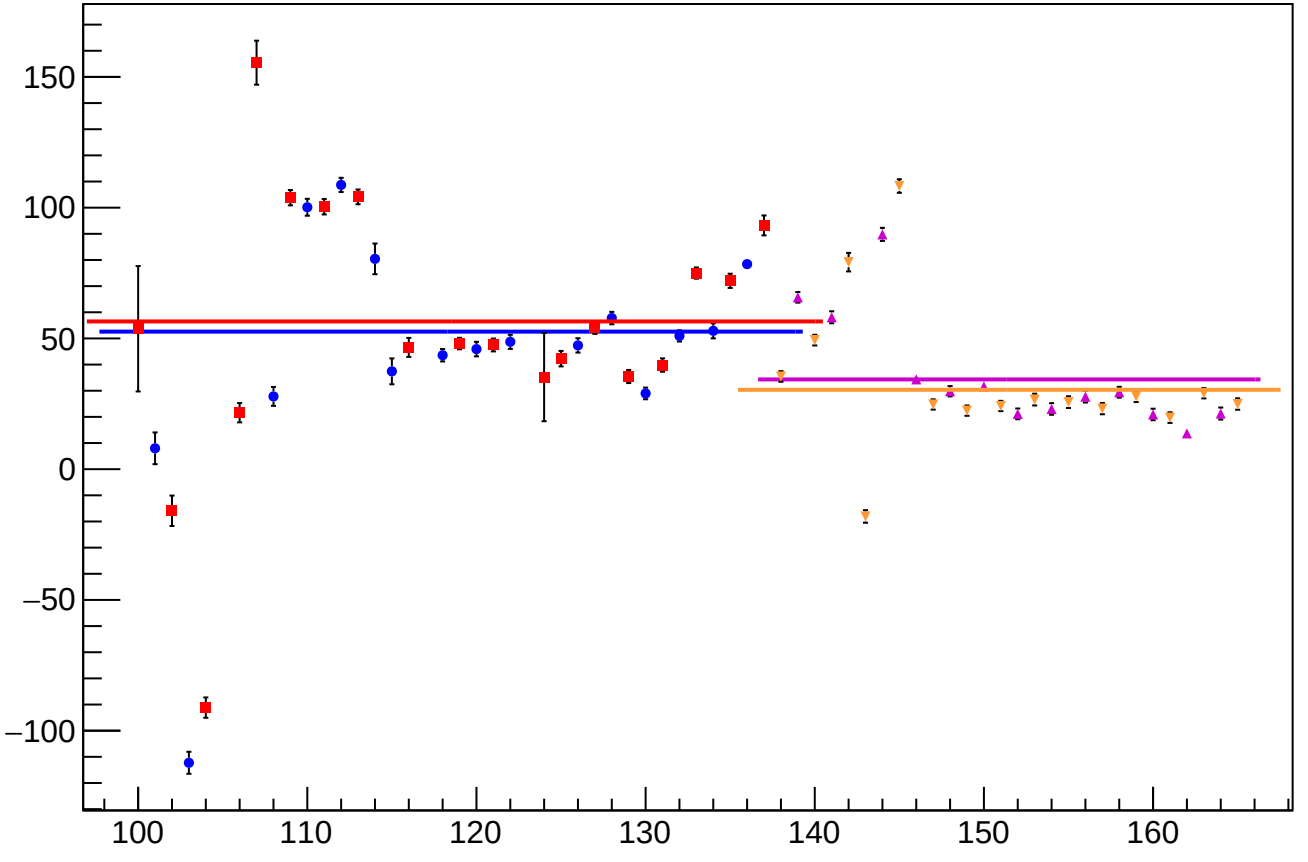
Left In: 9.282+/-0.412 χ^2/NDF:220.3/12

+ sign 12.542+/-0.329 χ^2/NDF: 1198.9/30

All: 12.807+/-0.238 χ^2/NDF: 2098.5/62

- sign 13.095+/-0.343 χ^2/NDF: 898.2/31

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 30.351+/-0.560 χ^2/NDF:1675.1/14

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

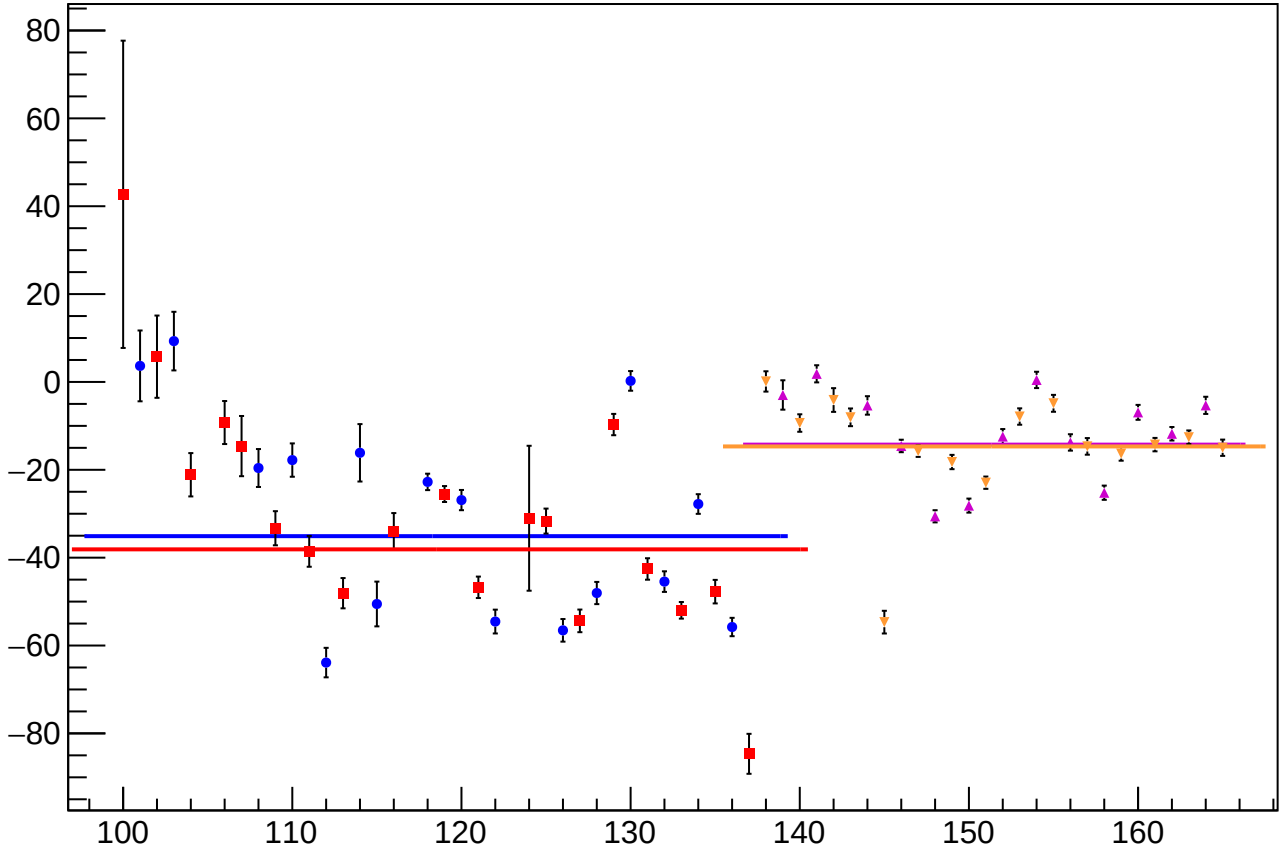
Left In: 34.319+/-0.581 χ^2/NDF:1120.7/12

+ sign 39.090+/-0.436 χ^2/NDF: 4954.7/30

All: 41.133+/-0.313 χ^2/NDF: 9674.7/62

- sign 43.293+/-0.449 χ^2/NDF: 4674.9/31

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.681+/-0.457 χ^2/NDF:396.3/14

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

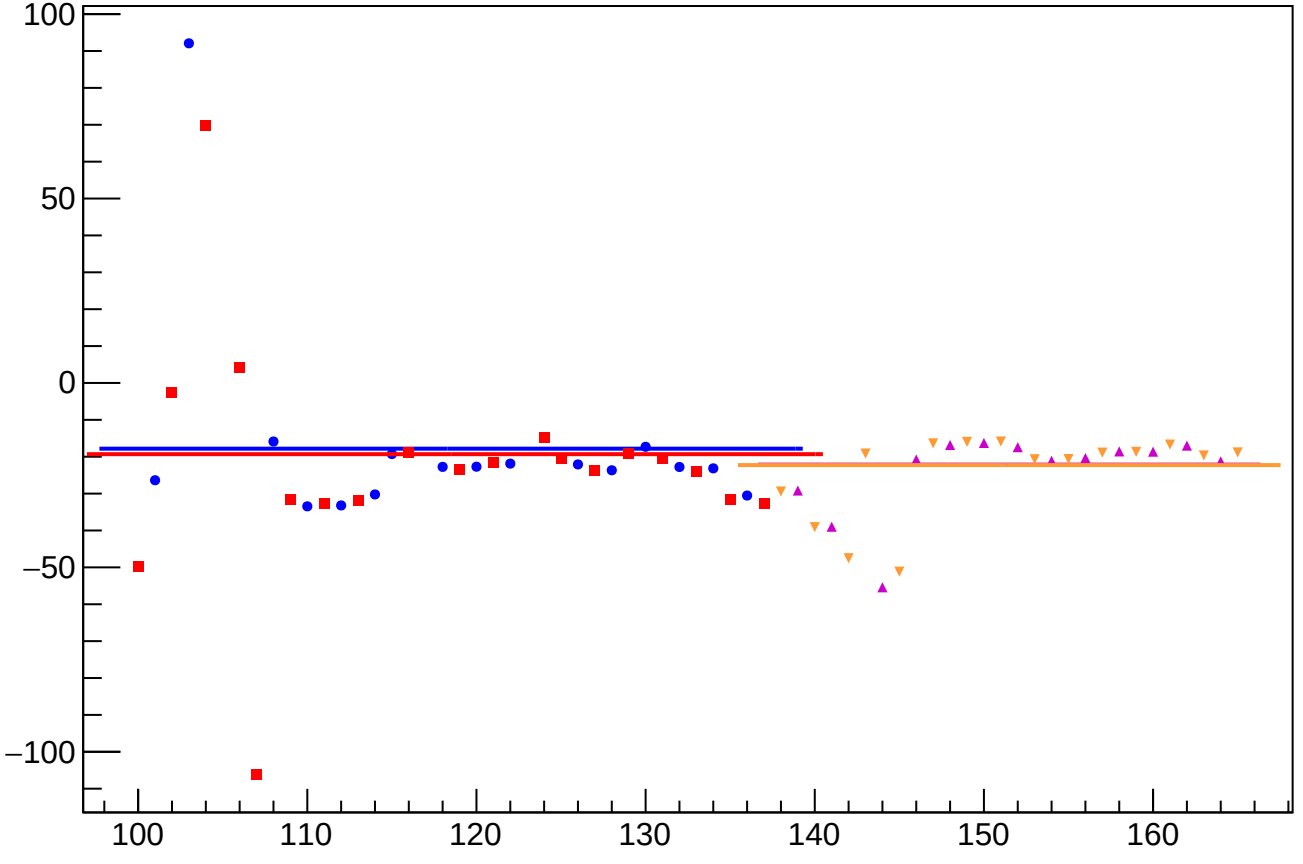
Left In: -14.270+/-0.481 χ^2/NDF:463.4/12

+ sign -20.792+/-0.383 χ^2/NDF: 1765.8/30

All: -21.238+/-0.276 χ^2/NDF: 3513.2/62

- sign -21.722+/-0.399 χ^2/NDF: 1744.5/31

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -22.269+/-0.021 χ^2/NDF:185256.9/14

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

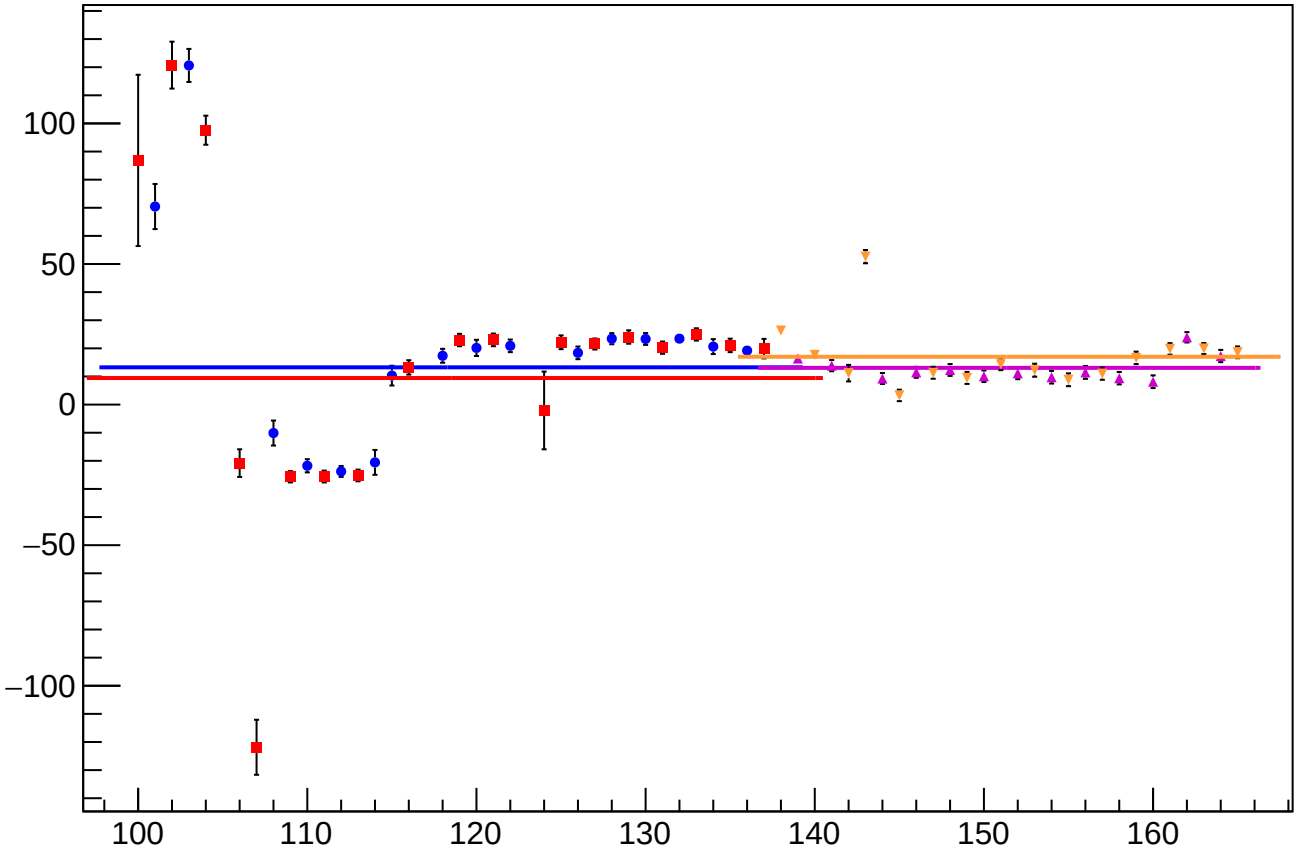
Left In: -22.139+/-0.022 χ^2/NDF:155082.4/12

+ sign -21.410+/-0.019 χ^2/NDF: 619921.6/30

All: -21.513+/-0.014 χ^2/NDF: 1122772.6/62

- sign -21.624+/-0.020 χ^2/NDF: 502789.6/31

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.011+/-0.545 χ^2/NDF:355.2/14

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

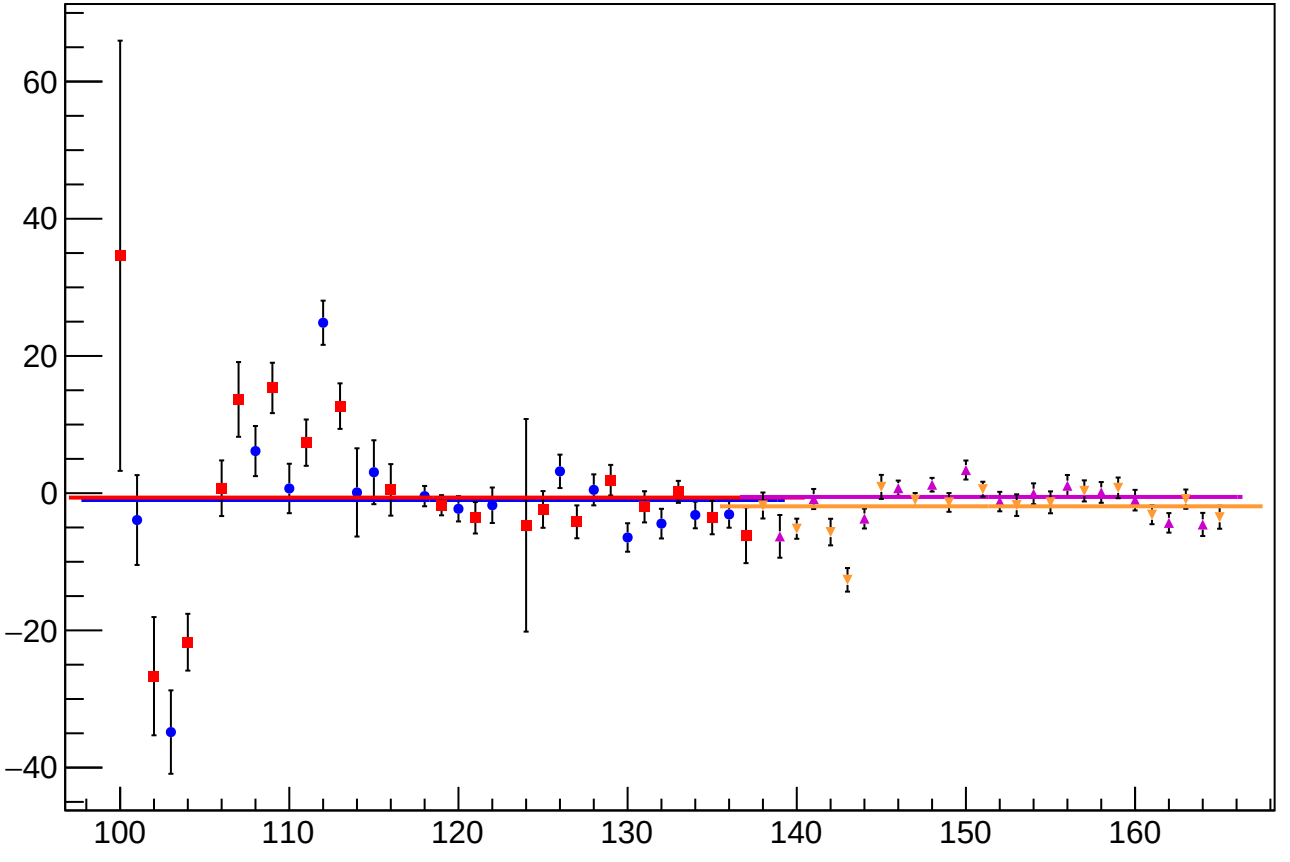
Left In: 13.068+/-0.569 χ^2/NDF:60.1/12

+ sign 15.355+/-0.408 χ^2/NDF: 1558.7/30

All: 13.425+/-0.292 χ^2/NDF: 3519.9/62

- sign 11.401+/-0.418 χ^2/NDF: 1915.4/31

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.916+/-0.374 χ^2/NDF:64.3/14

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

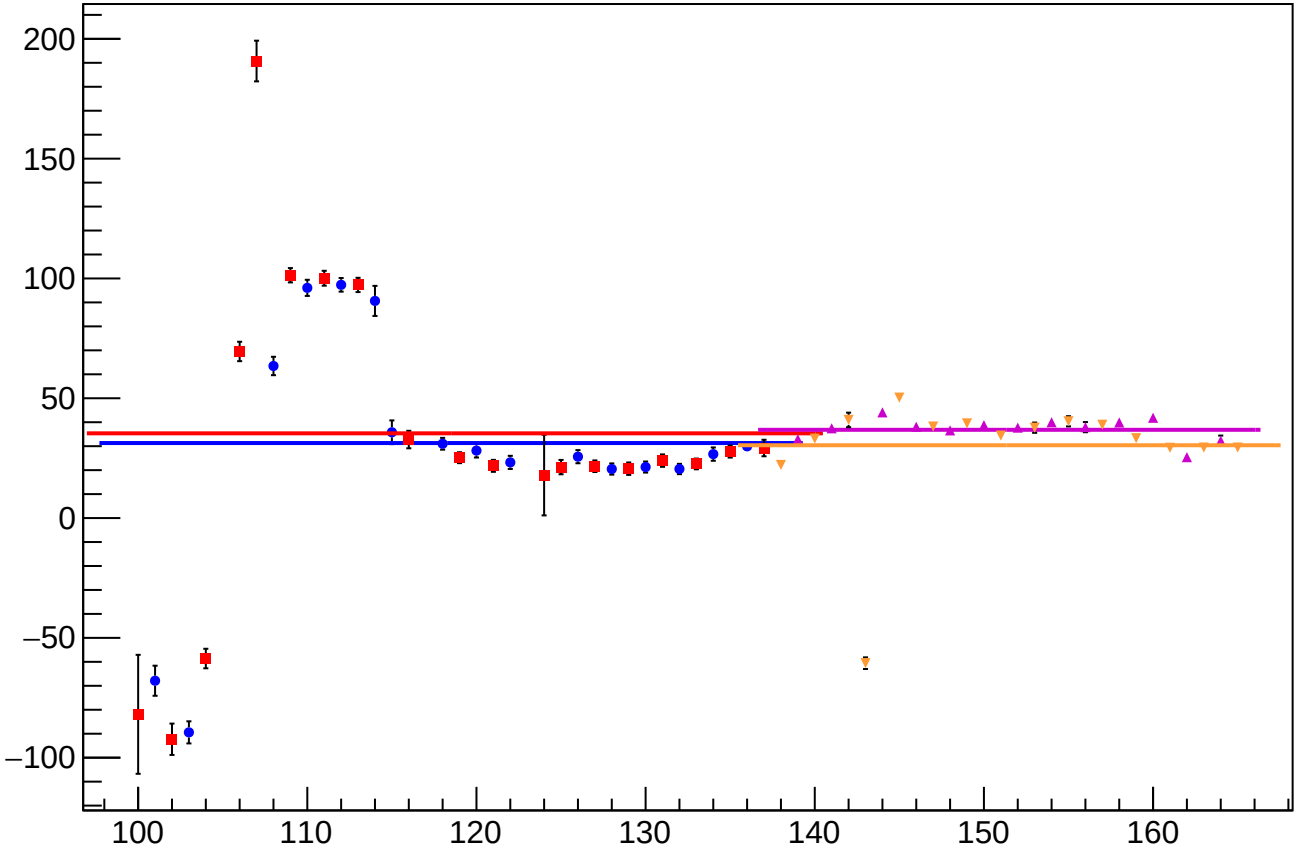
Left In: -0.551+/-0.393 χ^2/NDF:35.2/12

+ sign -1.669+/-0.320 χ^2/NDF: 182.3/30

All: -1.147+/-0.231 χ^2/NDF: 317.2/62

- sign -0.577+/-0.335 χ^2/NDF: 129.4/31

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.388+/-0.530 χ^2/NDF:1625.8/14

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

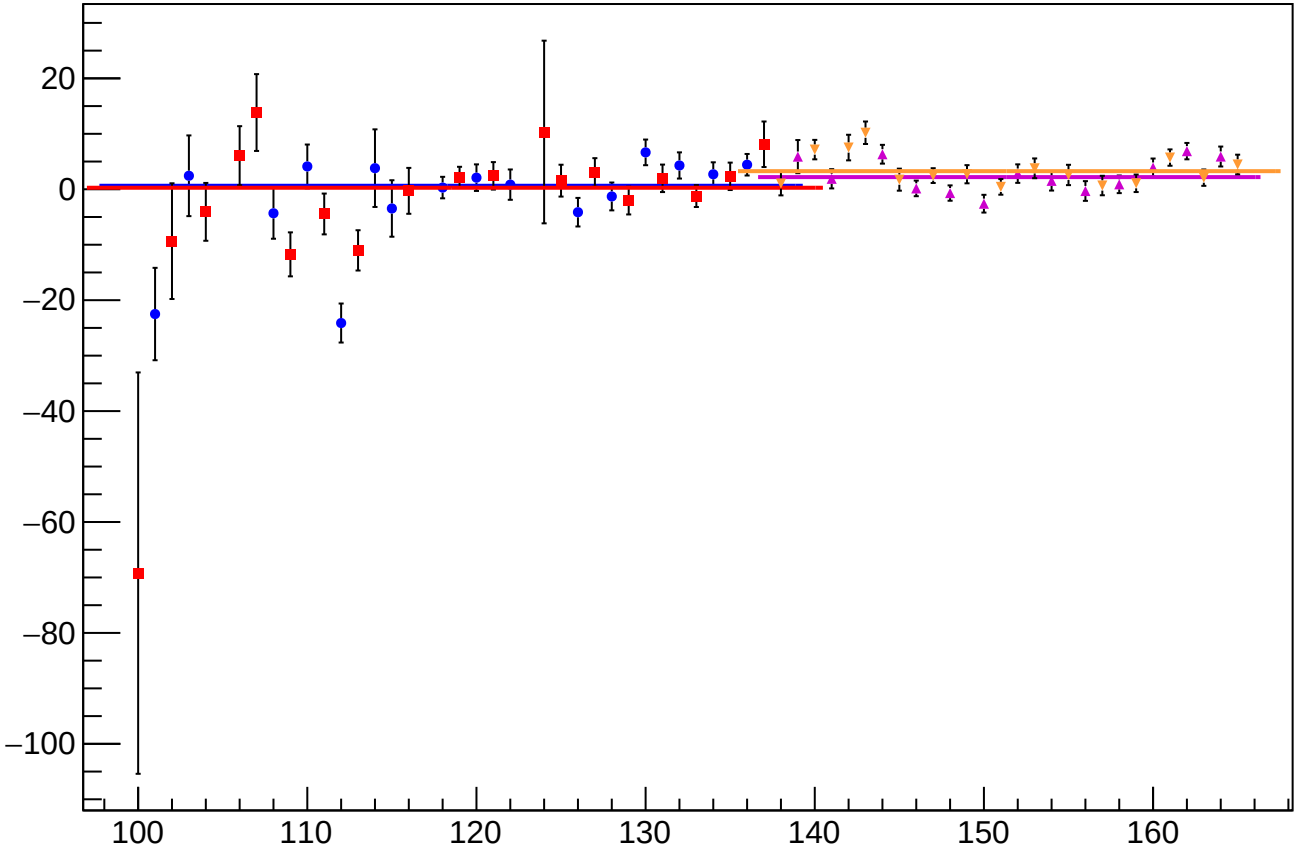
Left In: 36.836+/-0.549 χ^2/NDF:76.1/12

+ sign 30.724+/-0.422 χ^2/NDF: 3712.8/30

All: 33.420+/-0.303 χ^2/NDF: 6773.4/62

- sign 36.293+/-0.436 χ^2/NDF: 2976.5/31

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.265+/-0.437 χ^2/NDF:34.4/14

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

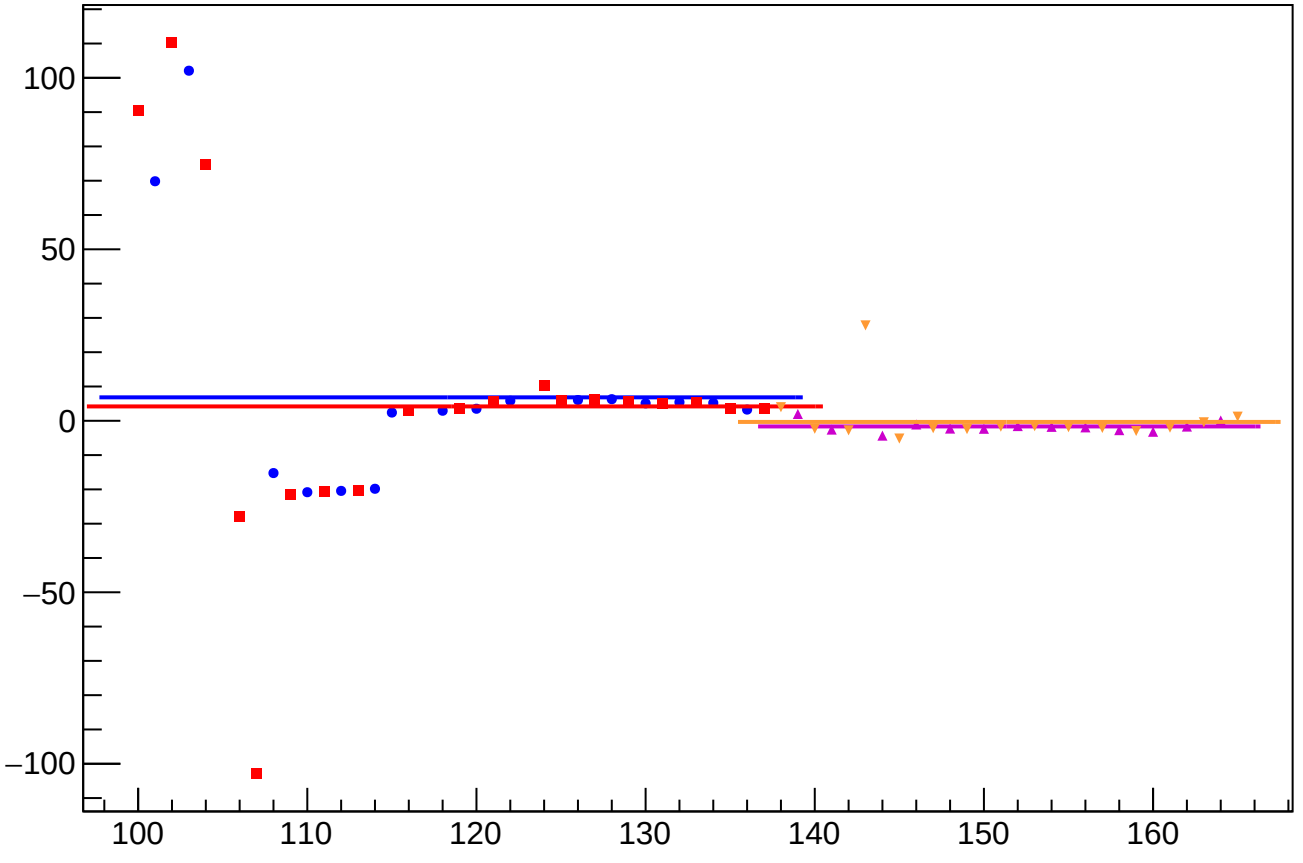
Left In: 2.194+/-0.459 χ^2/NDF:41.3/12

+ sign 2.534+/-0.371 χ^2/NDF: 122.9/30

All: 2.110+/-0.268 χ^2/NDF: 212.4/62

- sign 1.647+/-0.388 χ^2/NDF: 86.8/31

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.331+/-0.020 χ^2/NDF:91193.6/14

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

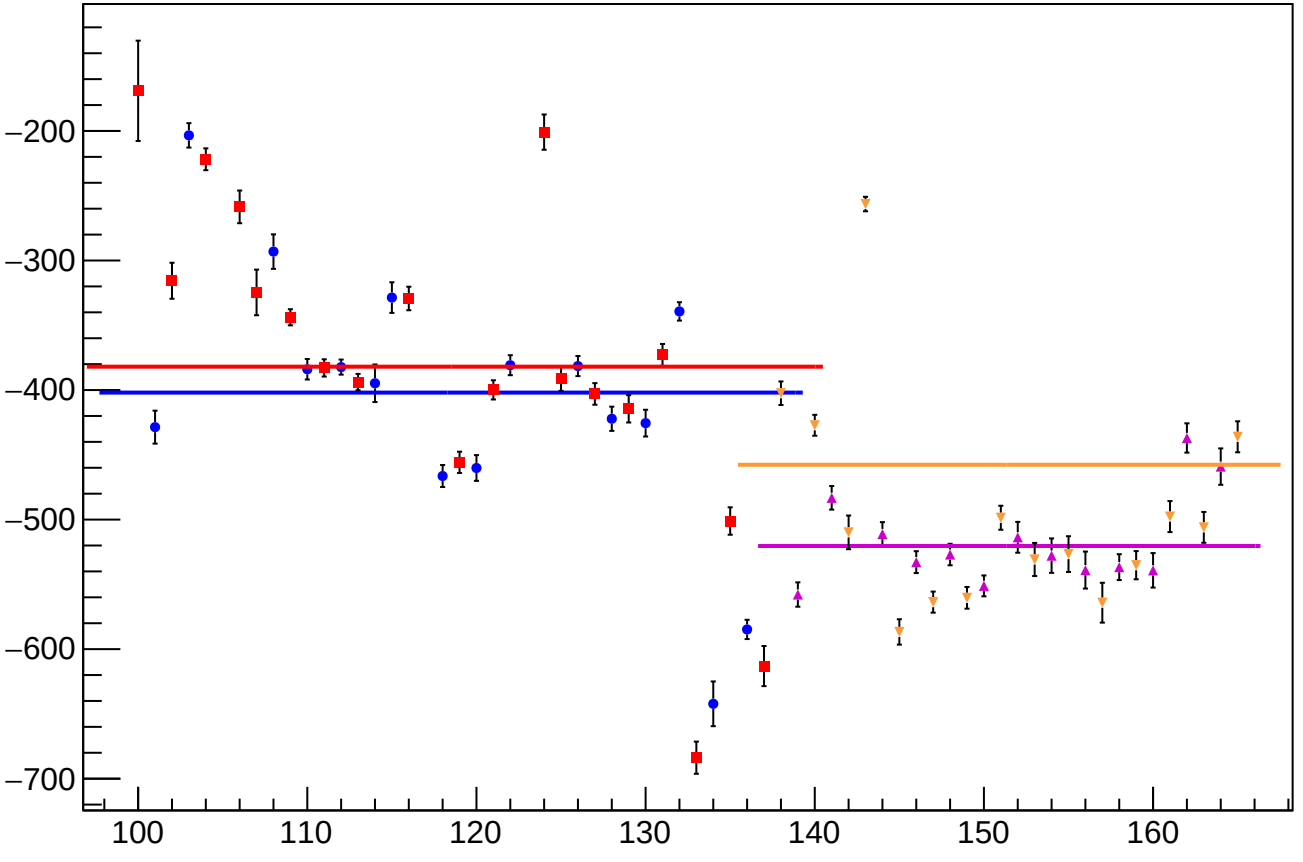
Left In: -1.643+/-0.021 χ^2/NDF:5554.7/12

+ sign 0.952+/-0.018 χ^2/NDF: 435133.1/30

All: 0.165+/-0.013 χ^2/NDF: 892410.5/62

- sign -0.682+/-0.019 χ^2/NDF: 453361.7/31

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -457.670+/-2.485 χ^2/NDF:2066.2/14

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

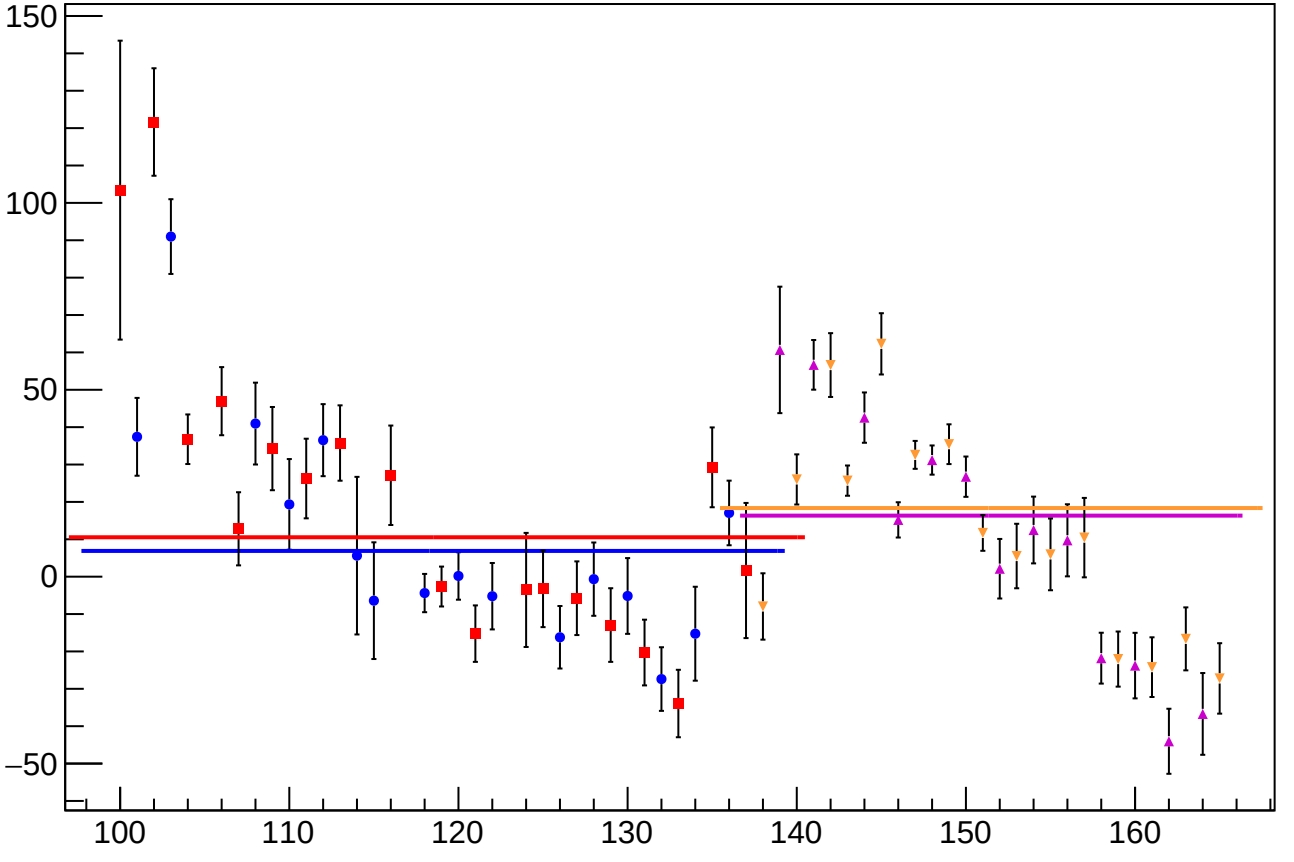
Left In: -520.382+/-2.823 χ^2/NDF:131.4/12

+ sign -426.881+/-1.662 χ^2/NDF: 3907.2/30

All: -429.388+/-1.188 χ^2/NDF: 7395.9/62

- sign -432.001+/-1.697 χ^2/NDF: 3484.2/31

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 18.360+/-1.648 χ^2/NDF:192.5/14

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

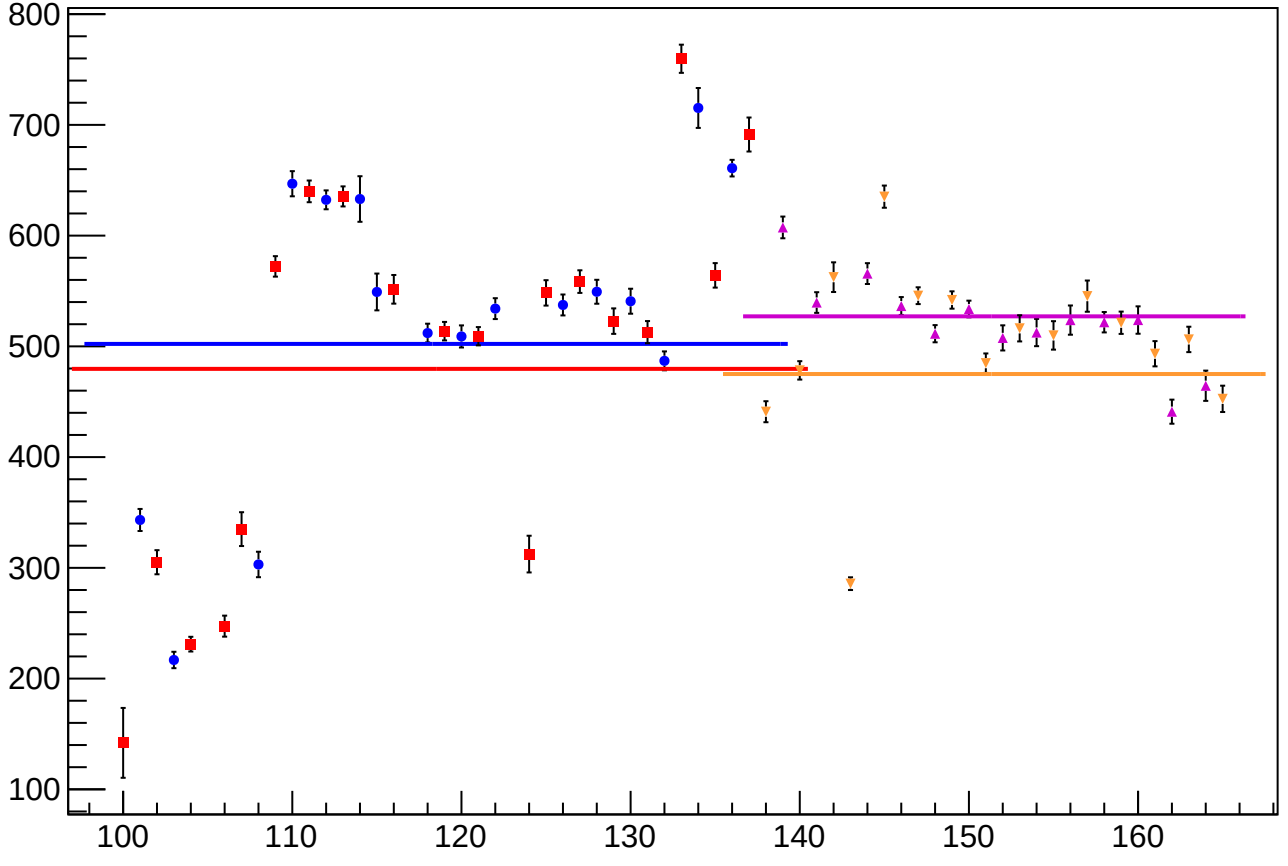
Left In: 16.334+/-1.862 χ^2/NDF:205.1/12

+ sign 14.386+/-1.333 χ^2/NDF: 347.7/30

All: 14.165+/-0.972 χ^2/NDF: 736.9/62

- sign 13.913+/-1.421 χ^2/NDF: 389.1/31

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 475.021+/-2.436 χ^2/NDF:1637.6/14

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

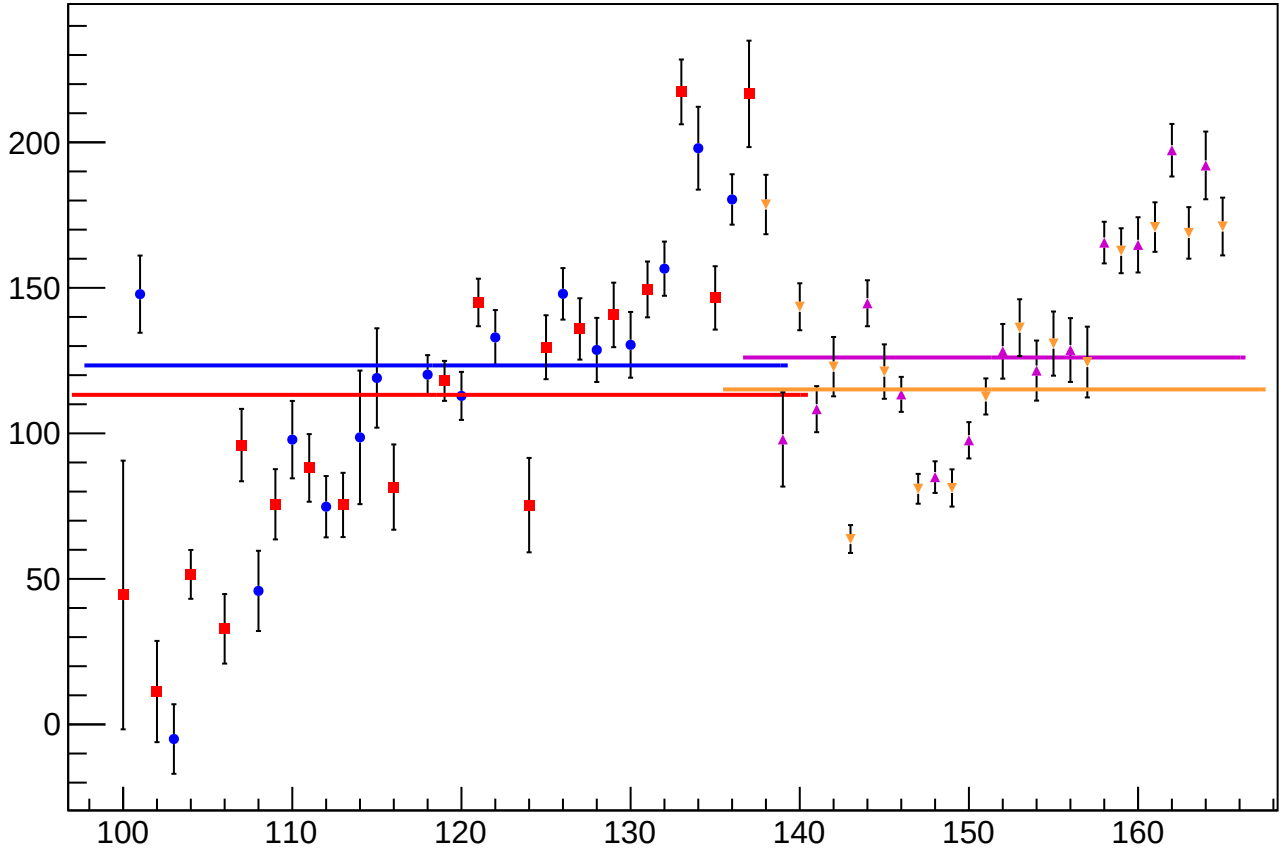
Left In: 527.105+/-2.722 χ^2/NDF:180.4/12

+ sign 488.302+/-1.742 χ^2/NDF: 4833.6/30

All: 494.162+/-1.252 χ^2/NDF: 9346.8/62

- sign 500.417+/-1.800 χ^2/NDF: 4489.8/31

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 115.106+/-1.972 χ^2/NDF:397.1/14

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

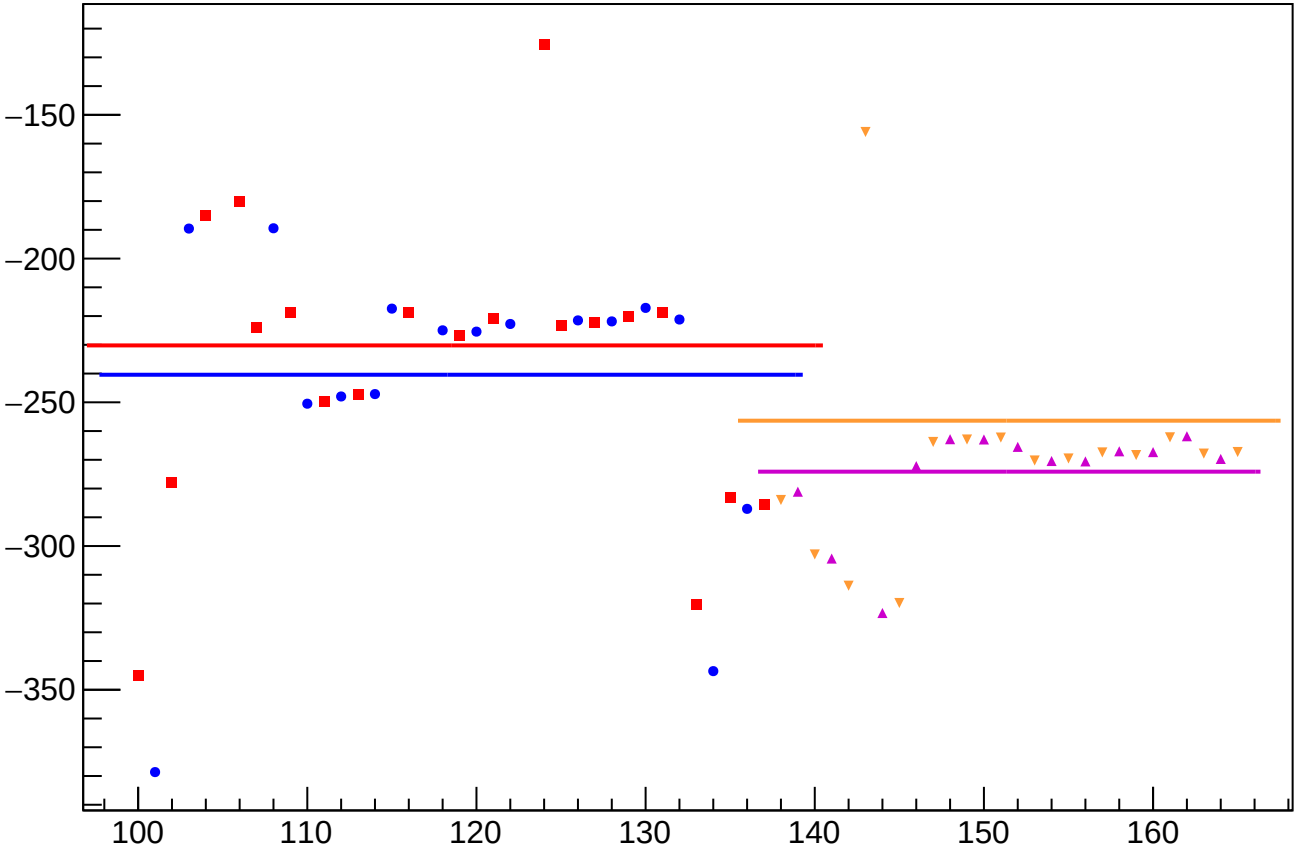
Left In: 126.073+/-2.223 χ^2/NDF:237.8/12

+ sign 118.075+/-1.577 χ^2/NDF: 674.7/30

All: 119.224+/-1.148 χ^2/NDF: 1273.8/62

- sign 120.517+/-1.674 χ^2/NDF: 598.0/31

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -256.395+/-0.096 χ^2/NDF:240096.0/14

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

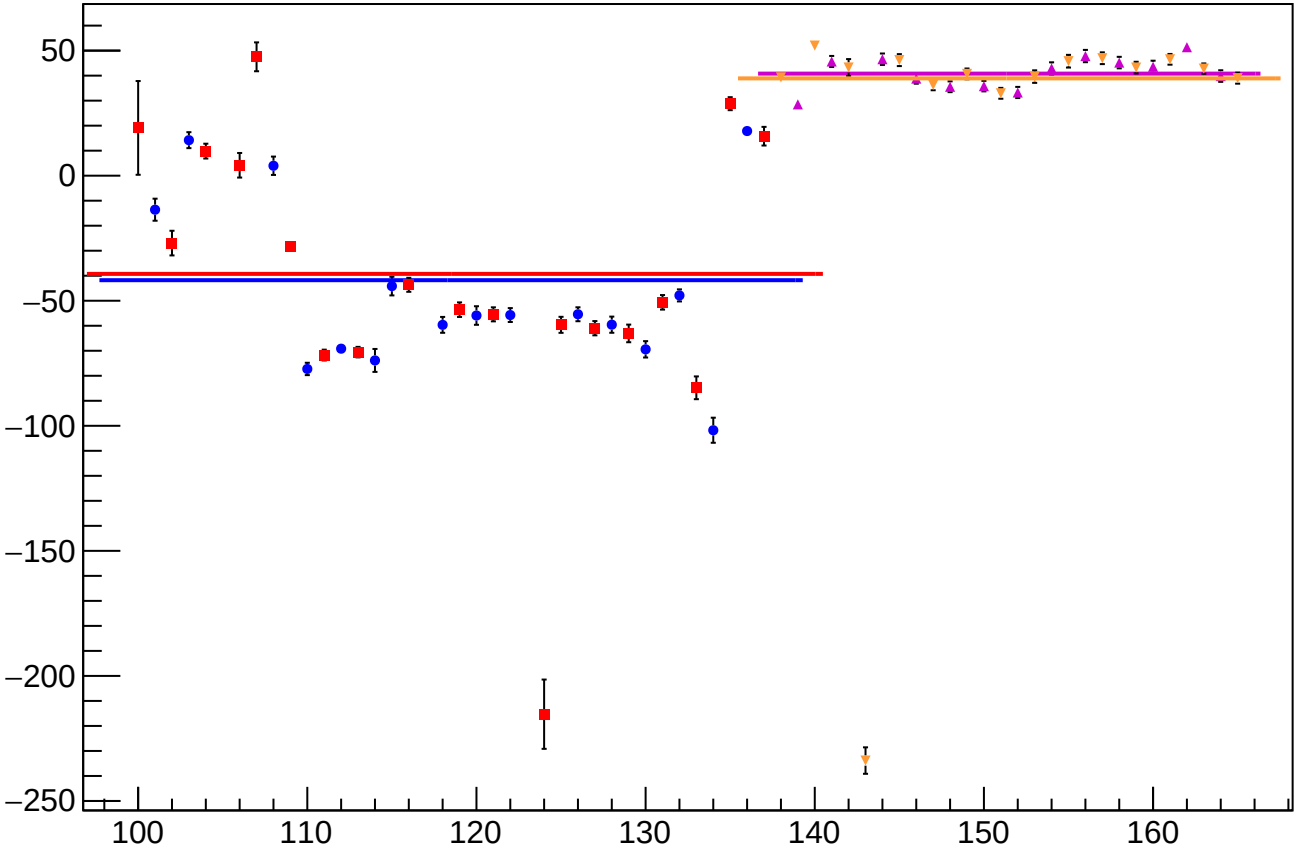
Left In: -274.128+/-0.104 χ^2/NDF:25260.9/12

+ sign -251.793+/-0.081 χ^2/NDF: 382267.3/30

All: -255.373+/-0.059 χ^2/NDF: 554710.0/62

- sign -259.336+/-0.085 χ^2/NDF: 168307.1/31

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.898+/-0.598 χ^2/NDF:2762.8/14

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

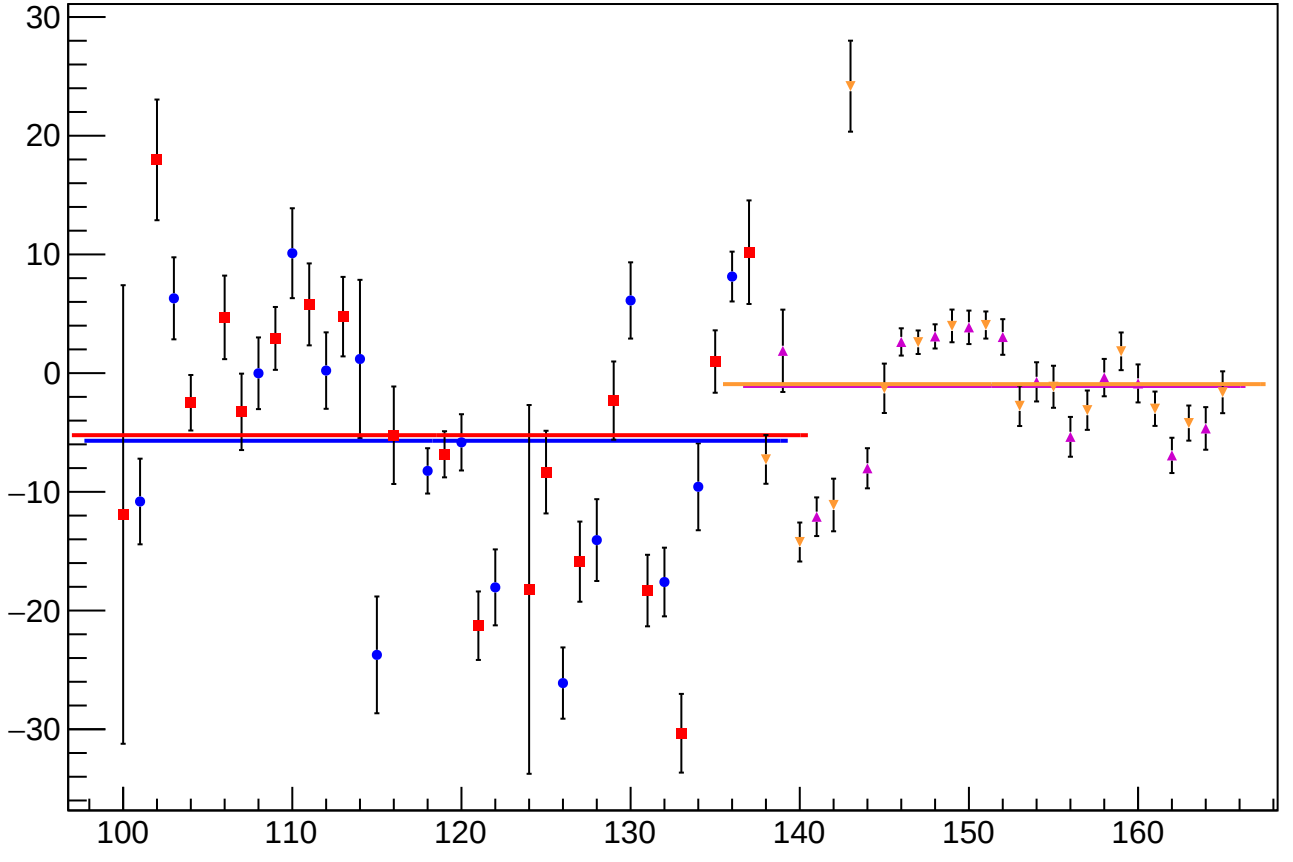
Left In: 40.806+/-0.609 χ^2/NDF:120.0/12

\+ sign 6.143+/-0.461 χ^2/NDF: 12564.0/30

All: 5.632+/-0.323 χ^2/NDF: 22861.2/62

\- sign 5.137+/-0.454 χ^2/NDF: 10294.8/31

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.926+/-0.405 χ^2/NDF:196.6/14

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

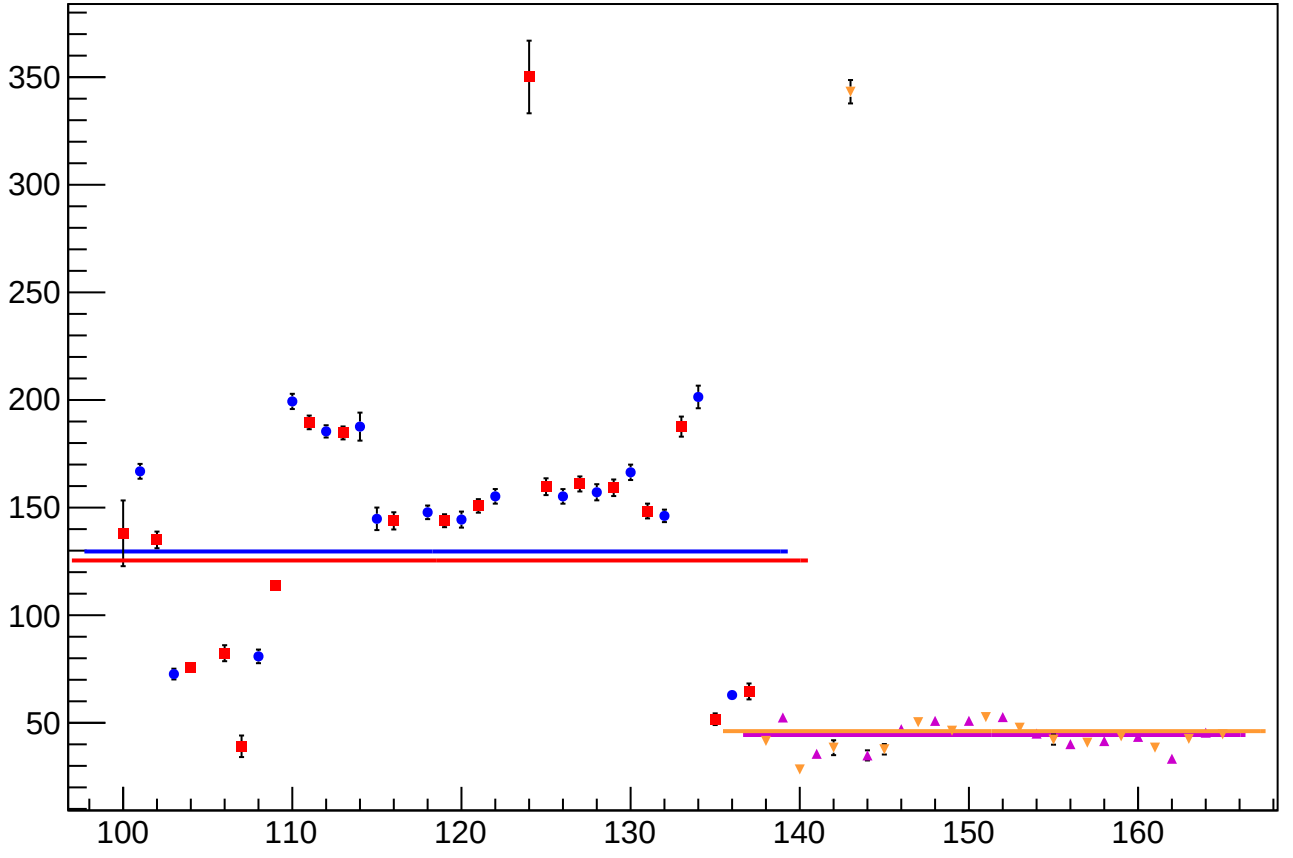
Left In: -1.078+/-0.417 χ^2/NDF:136.6/12

+ sign -1.995+/-0.356 χ^2/NDF: 424.5/30

All: -2.036+/-0.254 χ^2/NDF: 782.4/62

- sign -2.078+/-0.363 χ^2/NDF: 357.9/31

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 46.135+/-0.578 χ^2/NDF:3125.5/14

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

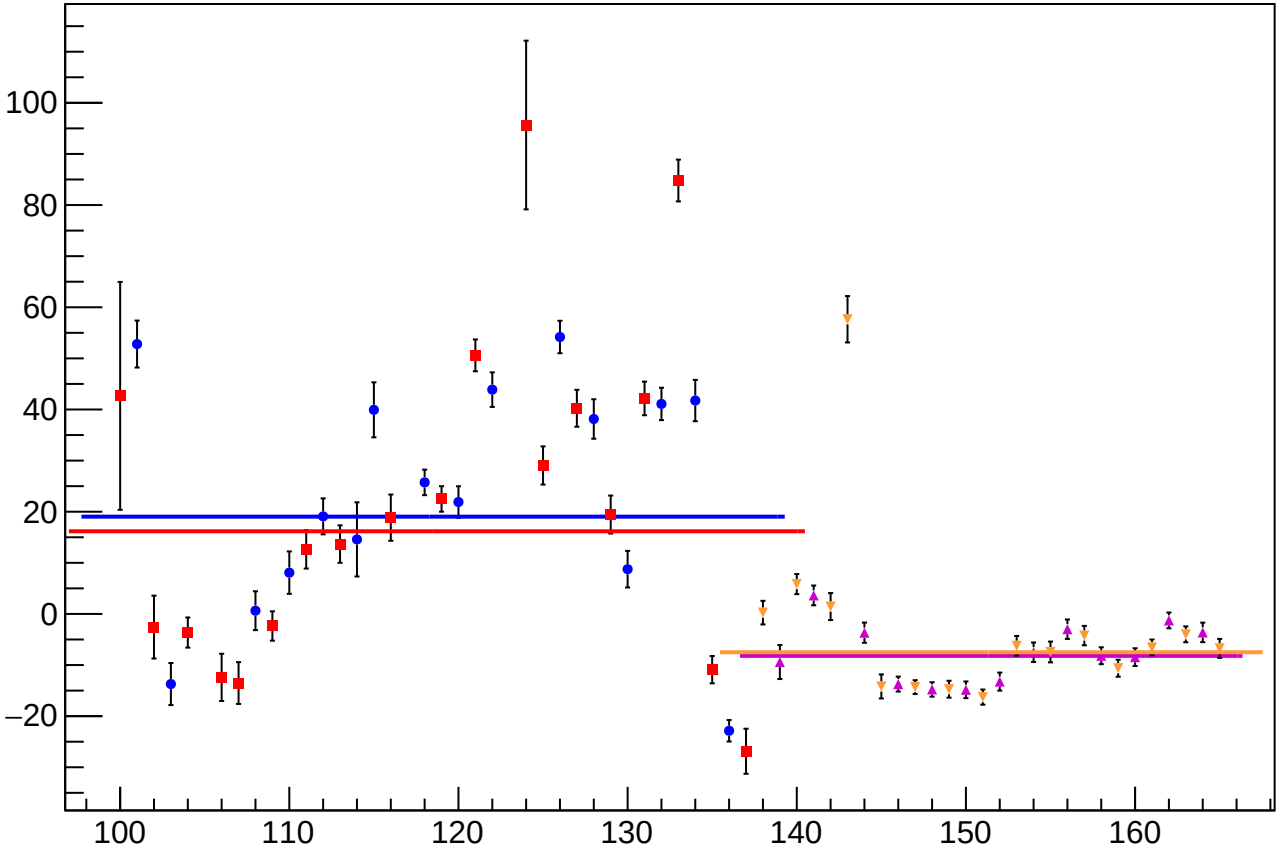
Left In: 44.347+/-0.587 χ^2/NDF:127.7/12

+ sign 74.753+/-0.469 χ^2/NDF: 13896.1/30

All: 73.969+/-0.332 χ^2/NDF: 24325.7/62

- sign 73.178+/-0.471 χ^2/NDF: 10424.0/31

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.491+/-0.473 χ^2/NDF:375.2/14

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

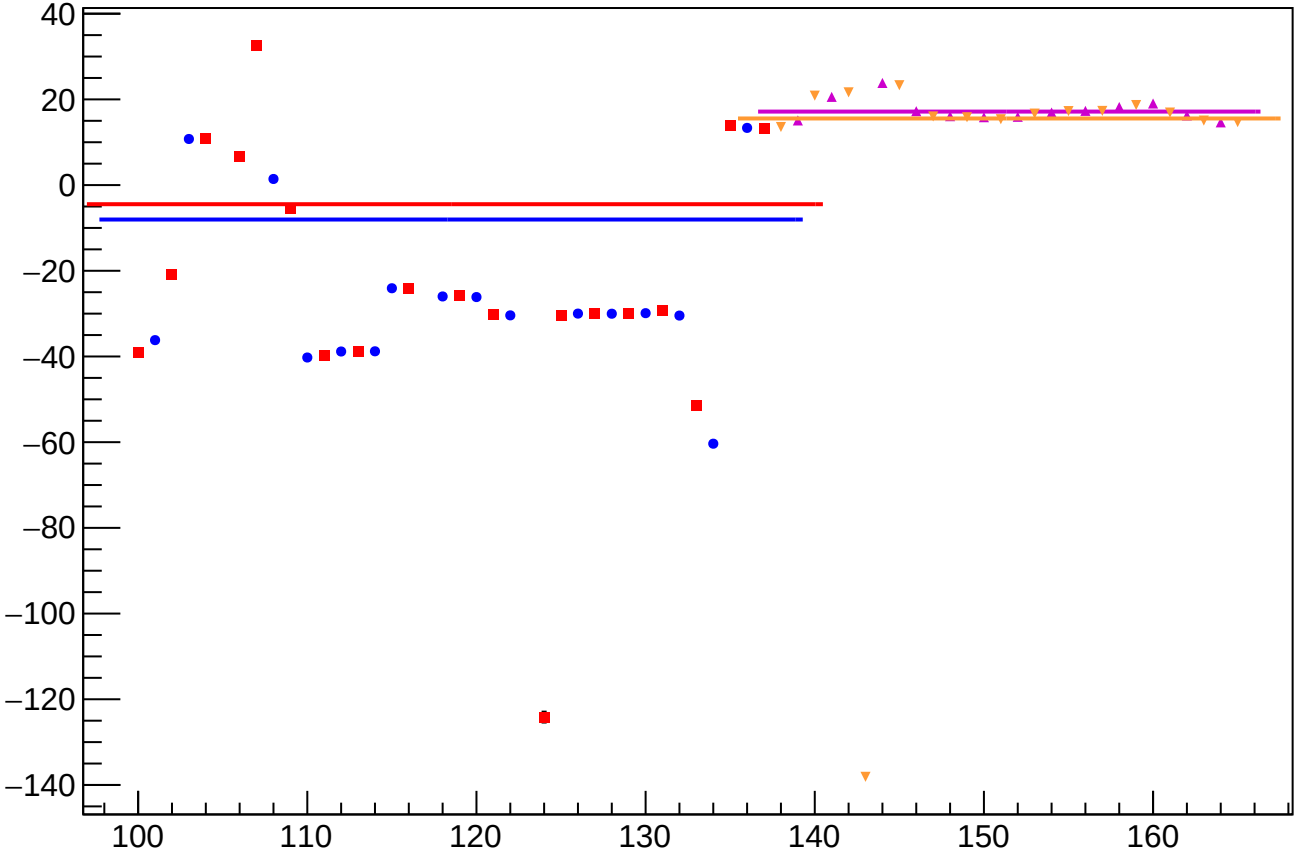
Left In: -8.200+/-0.487 χ^2/NDF:137.0/12

\+ sign -1.321+/-0.415 χ^2/NDF: 1963.6/30

All: -1.722+/-0.296 χ^2/NDF: 3667.3/62

\- sign -2.137+/-0.422 χ^2/NDF: 1701.8/31

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.546+/-0.022 χ^2/NDF:476298.8/14

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

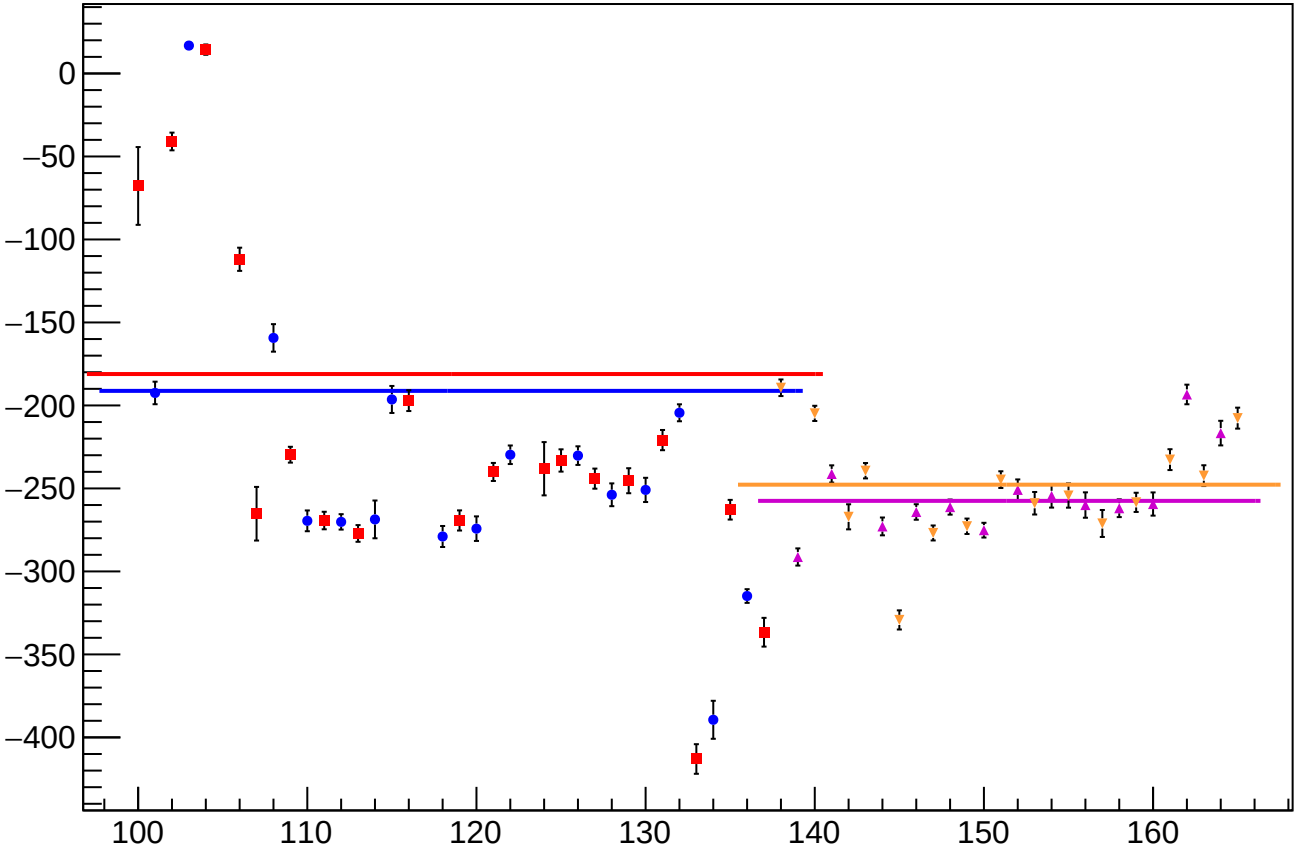
Left In: 17.153+/-0.022 χ^2/NDF:8755.7/12

+ sign 11.204+/-0.020 χ^2/NDF: 960252.8/30

All: 12.217+/-0.014 χ^2/NDF: 1377604.9/62

- sign 13.252+/-0.020 χ^2/NDF: 411986.6/31

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -247.740+/-1.446 χ^2/NDF:566.8/14

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

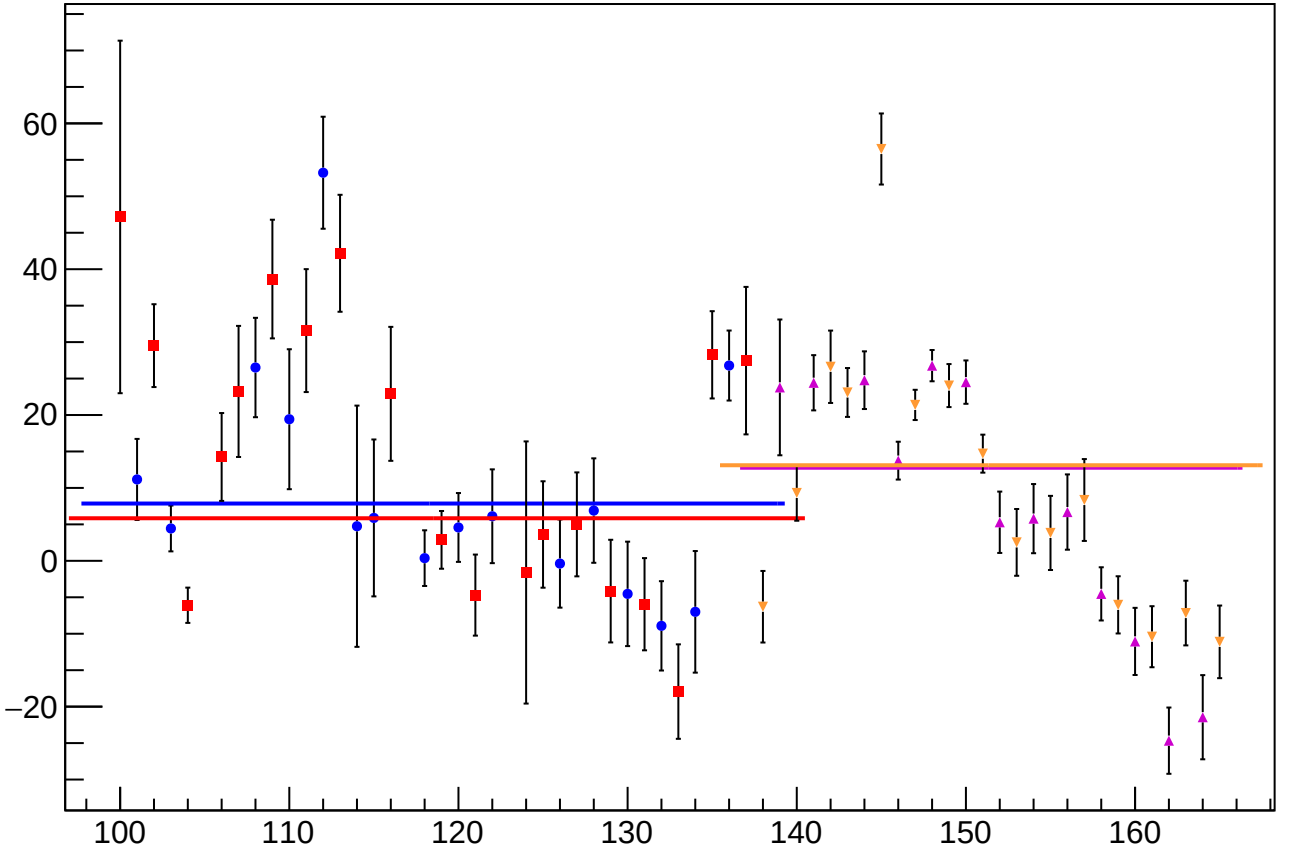
Left In: -257.497+/-1.546 χ^2/NDF:229.4/12

+ sign -218.935+/-1.013 χ^2/NDF: 8569.7/30

All: -217.021+/-0.722 χ^2/NDF: 17538.1/62

- sign -215.041+/-1.031 χ^2/NDF: 8961.1/31

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 13.110+/-0.950 χ^2/NDF:251.4/14

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

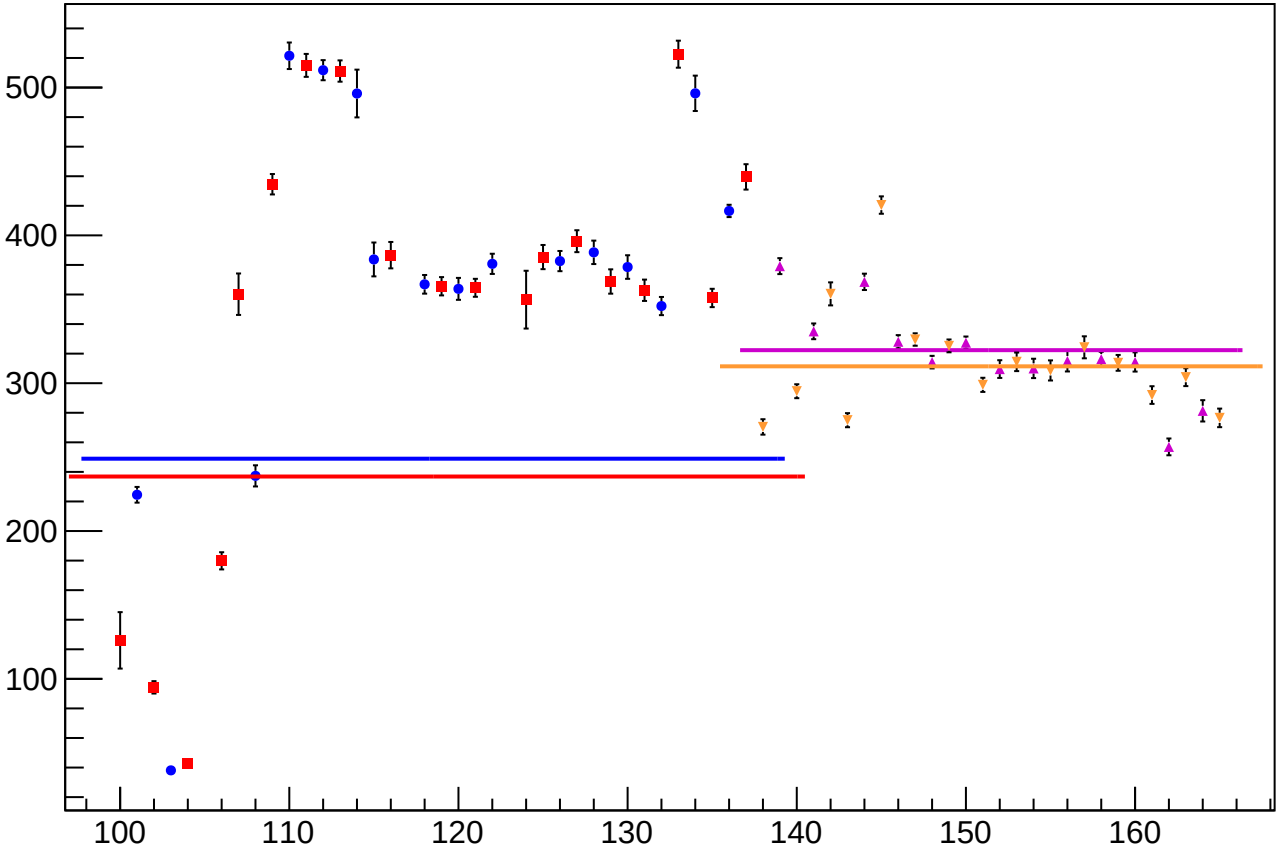
Left In: 12.770+/-1.019 χ^2/NDF:237.4/12

+ sign 11.515+/-0.793 χ^2/NDF: 341.6/30

All: 10.908+/-0.568 χ^2/NDF: 738.8/62

- sign 10.267+/-0.814 χ^2/NDF: 396.0/31

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 311.409+/-1.407 χ^2/NDF:598.2/14

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

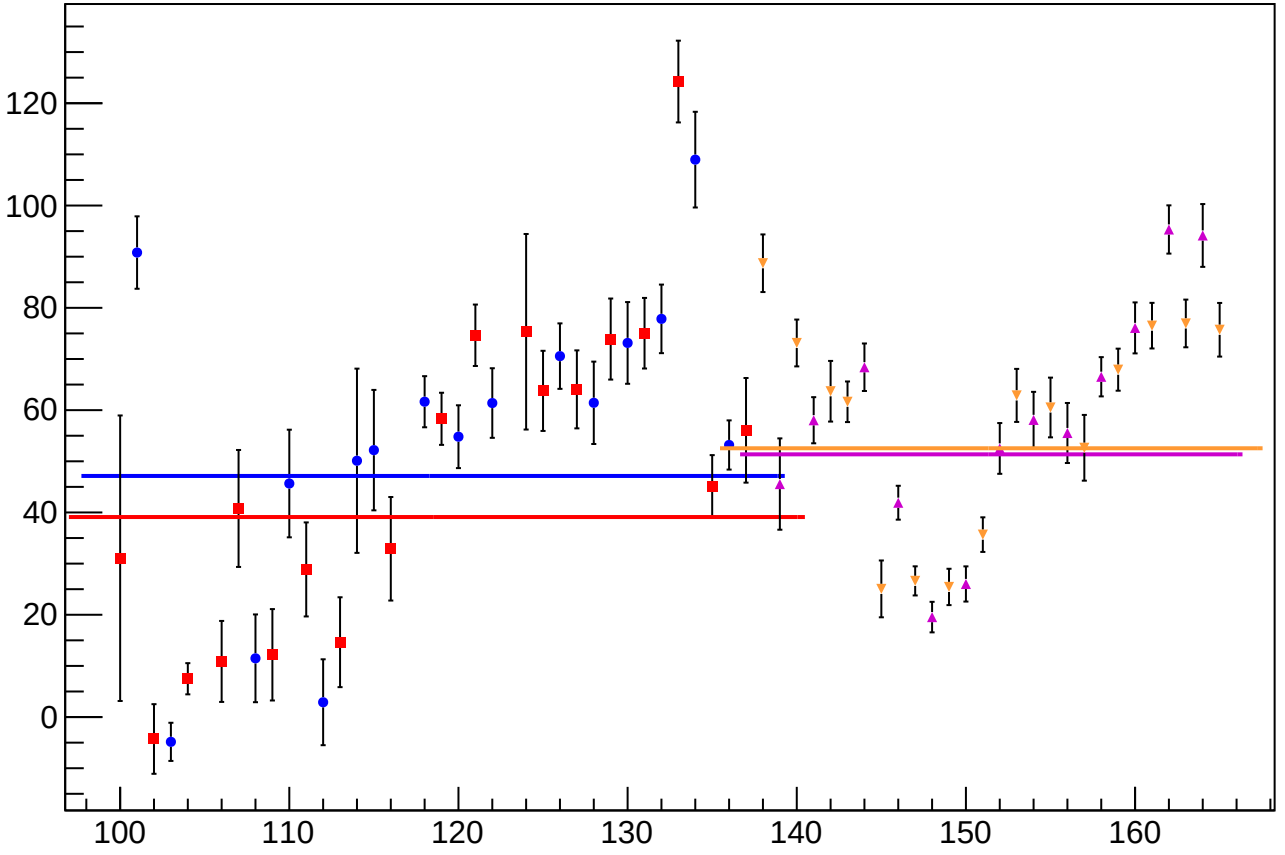
Left In: 322.349+/-1.488 χ^2/NDF:370.5/12

+ sign 280.498+/-1.000 χ^2/NDF: 16876.2/30

All: 278.893+/-0.715 χ^2/NDF: 34652.0/62

- sign 277.216+/-1.022 χ^2/NDF: 17770.6/31

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 52.547+/-1.135 χ^2/NDF:356.5/14

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

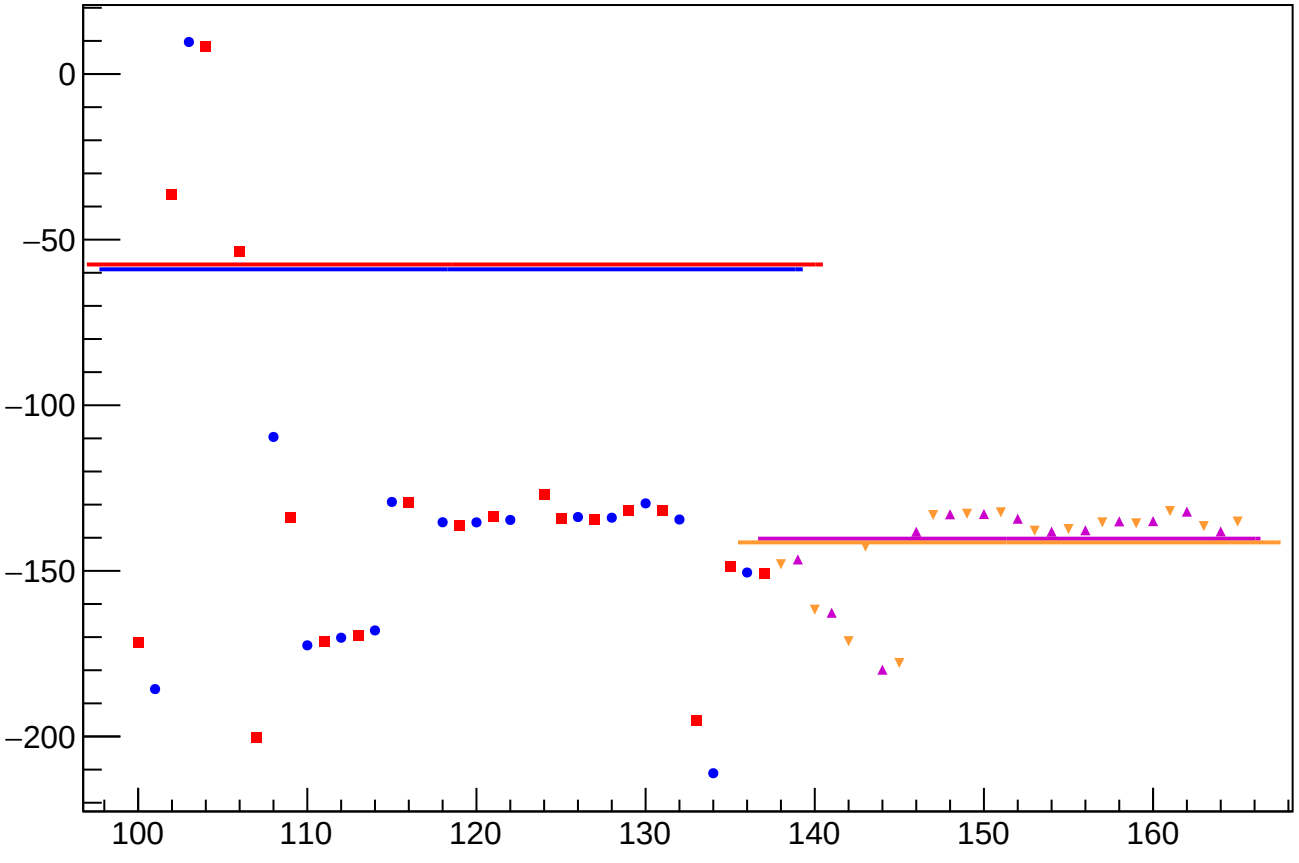
Left In: 51.360+/-1.214 χ^2/NDF:369.8/12

+ sign 50.835+/-0.938 χ^2/NDF: 749.1/30

All: 48.910+/-0.673 χ^2/NDF: 1581.4/62

- sign 46.868+/-0.966 χ^2/NDF: 823.6/31

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -141.398+/-0.055 χ^2/NDF:55395.2/14

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

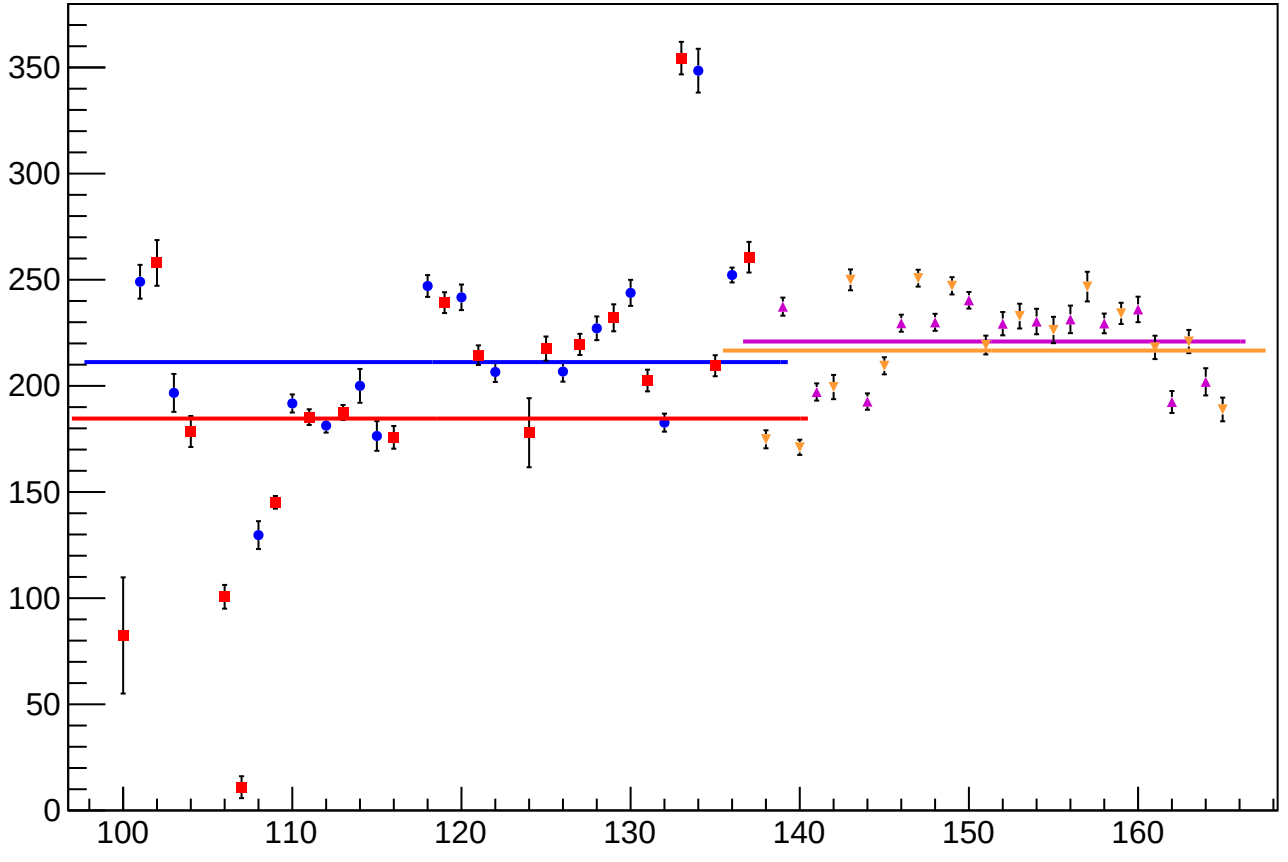
Left In: -140.282+/-0.057 χ^2/NDF:44974.5/12

+ sign -111.543+/-0.044 χ^2/NDF: 2104847.4/30

All: -110.661+/-0.031 χ^2/NDF: 3805939.5/62

- sign -109.721+/-0.045 χ^2/NDF: 1700251.4/31

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 216.656+/-1.235 χ^2/NDF:513.0/14

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

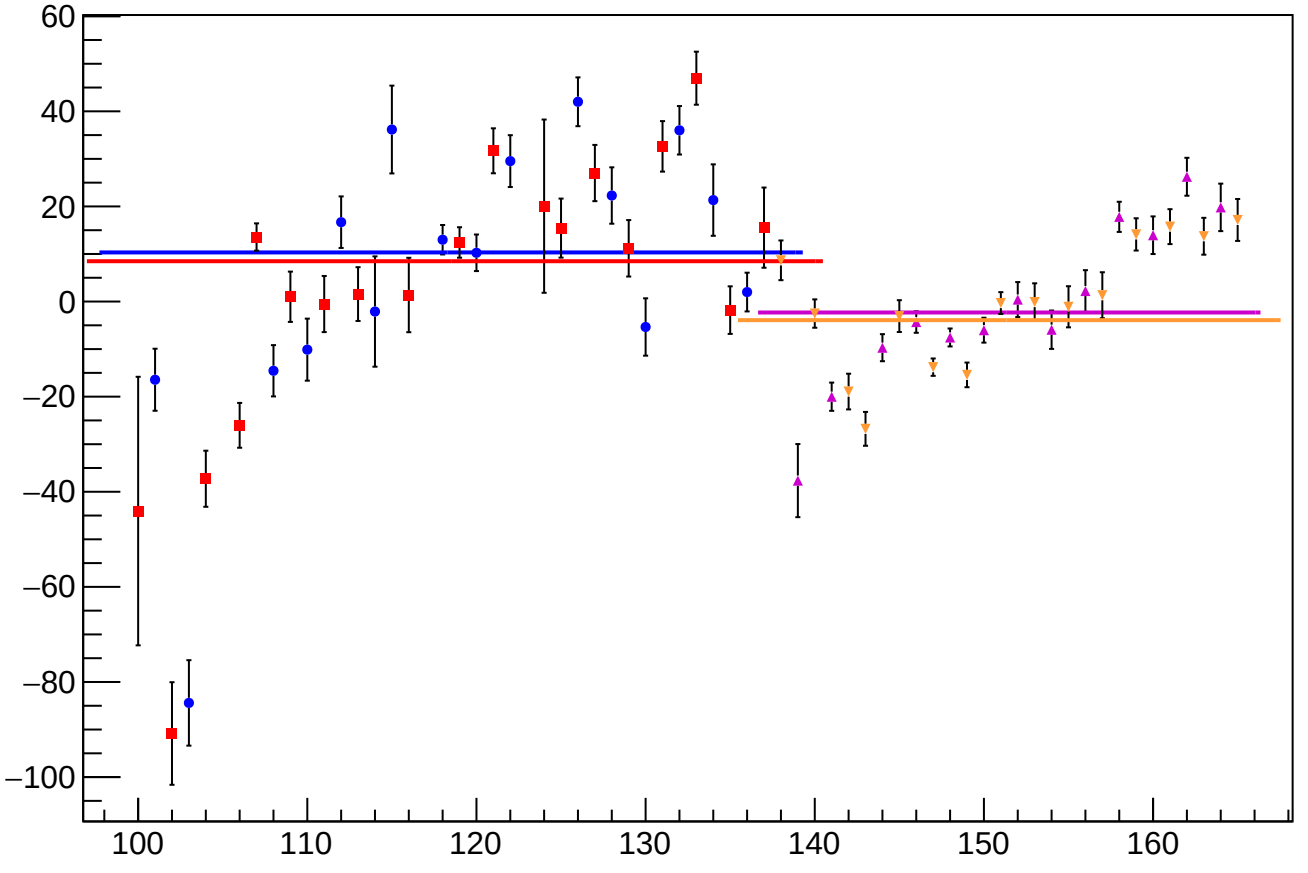
Left In: 220.912+/-1.298 χ^2/NDF:193.6/12

+ sign 214.063+/-0.894 χ^2/NDF: 1305.2/30

All: 207.543+/-0.627 χ^2/NDF: 4567.3/62

- sign 201.244+/-0.879 χ^2/NDF: 3157.5/31

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -3.916+/-0.820 χ^2/NDF:221.1/14

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

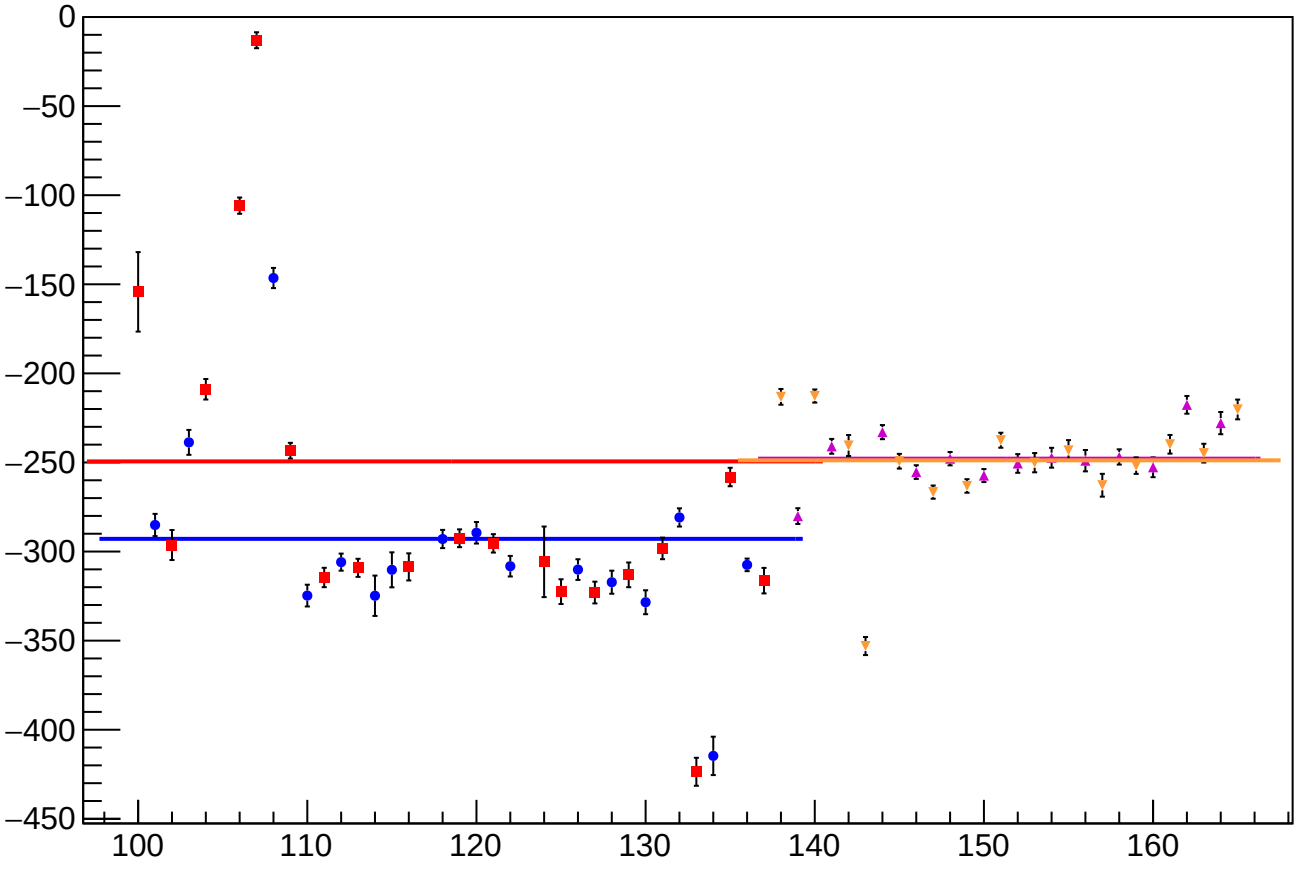
Left In: -2.302+/-0.867 χ^2/NDF:204.5/12

+ sign -0.005+/-0.698 χ^2/NDF: 567.3/30

All: 0.637+/-0.497 χ^2/NDF: 1147.4/62

- sign 1.297+/-0.708 χ^2/NDF: 578.4/31

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -248.795+/-1.205 χ^2/NDF:667.3/14

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

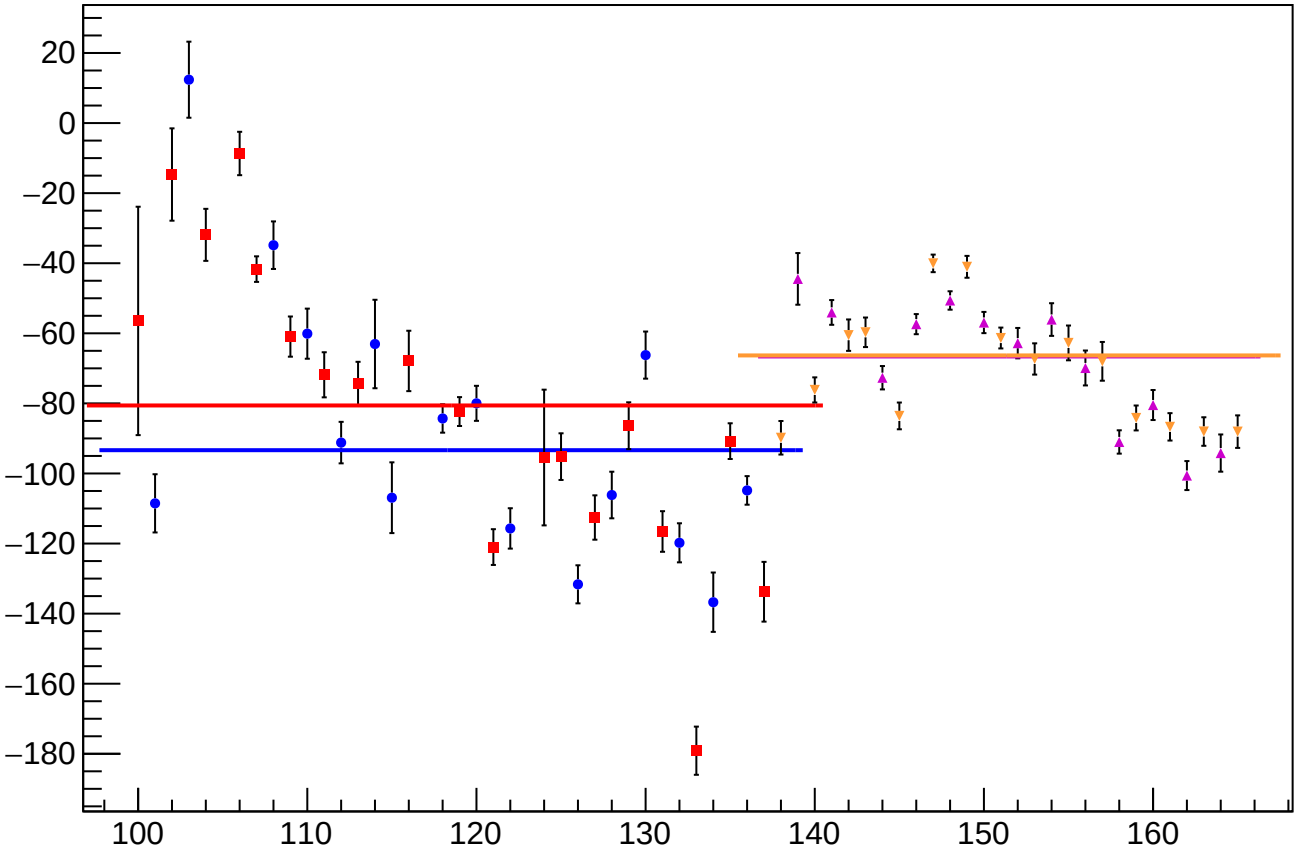
Left In: -247.863+/-1.255 χ^2/NDF:128.4/12

+ sign -266.538+/-0.931 χ^2/NDF: 2189.8/30

All: -257.494+/-0.656 χ^2/NDF: 7874.8/62

- sign -248.568+/-0.925 χ^2/NDF: 5497.5/31

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -66.312+/-0.978 χ^2/NDF:338.1/14

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

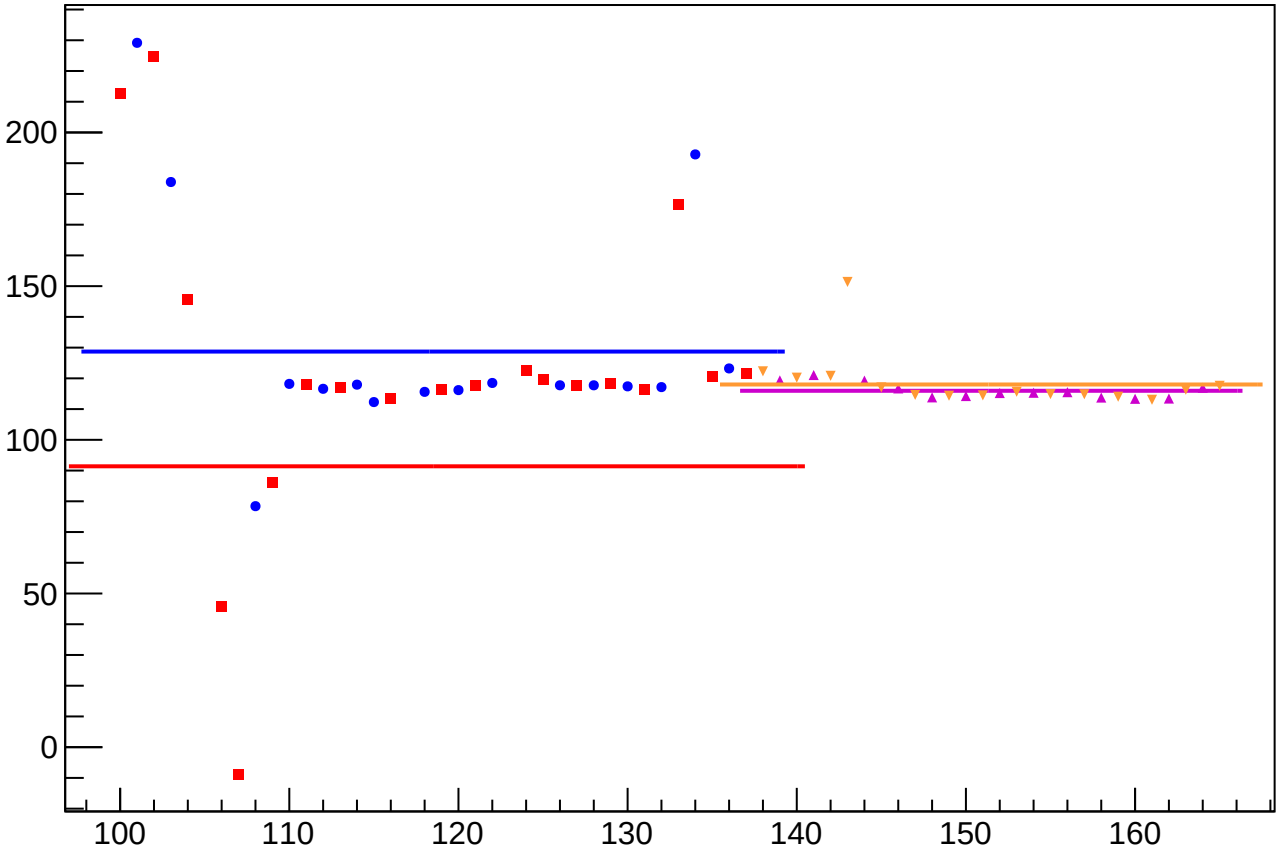
Left In: -66.611+/-1.030 χ^2/NDF:247.5/12

+ sign -74.124+/-0.825 χ^2/NDF: 914.4/30

All: -72.787+/-0.587 χ^2/NDF: 1945.7/62

- sign -71.417+/-0.835 χ^2/NDF: 1026.1/31

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.004+/-0.047 χ^2/NDF:29403.5/14

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

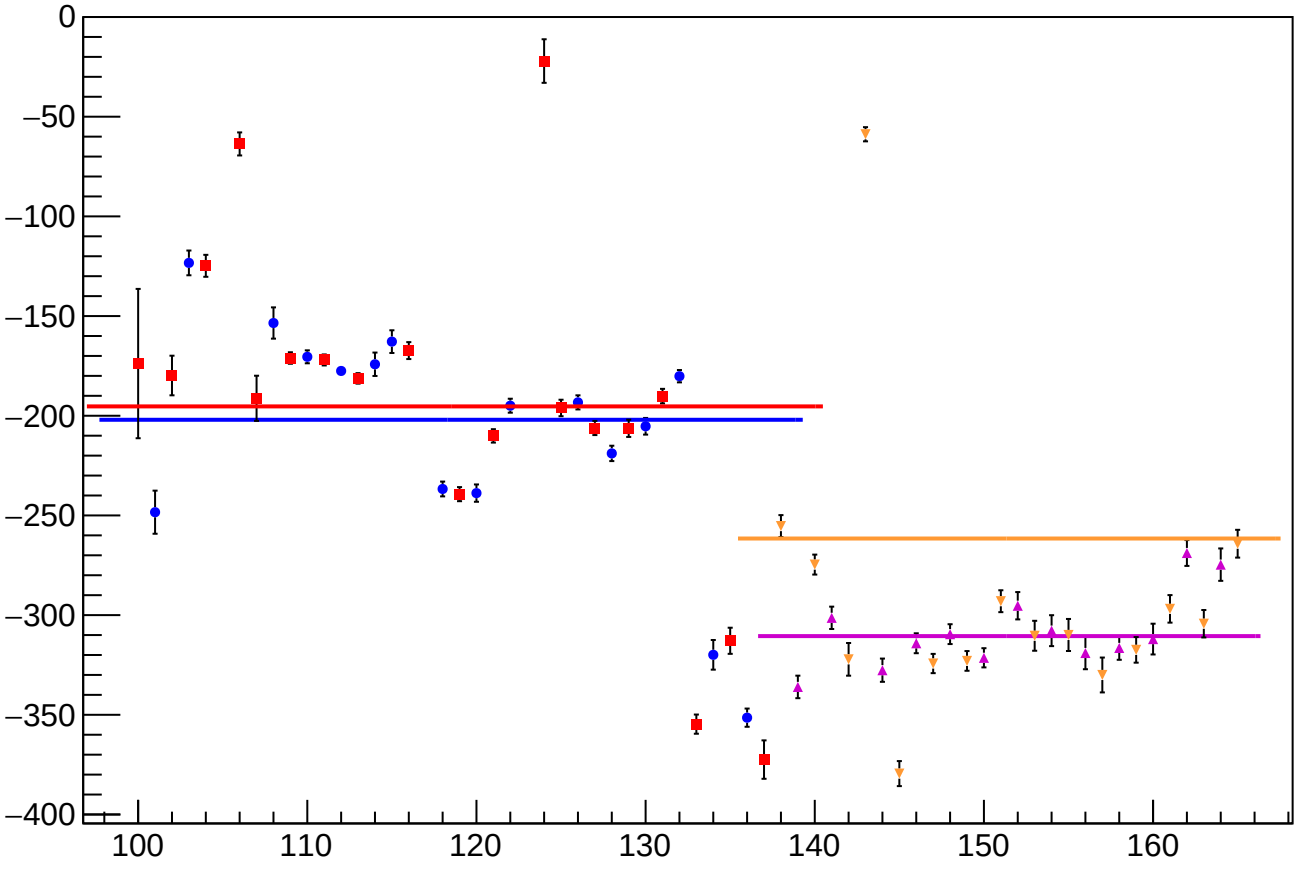
Left In: 115.954+/-0.048 χ^2/NDF:2689.3/12

\+ sign 120.324+/-0.041 χ^2/NDF: 224237.7/30

All: 114.768+/-0.029 χ^2/NDF: 937860.9/62

\- sign 109.315+/-0.041 χ^2/NDF: 678080.4/31

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.578+/-1.504 χ^2/NDF:4298.8/14

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

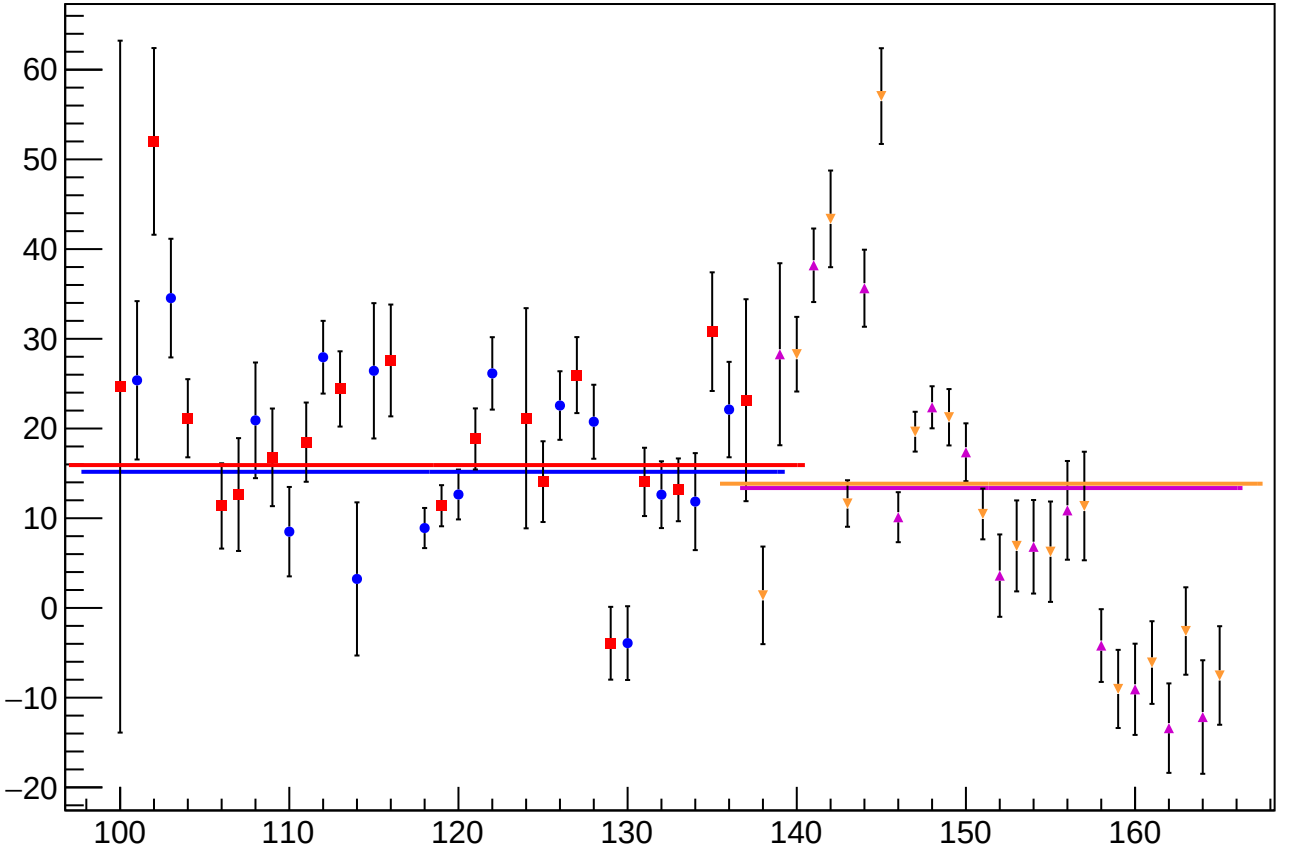
Left In: -310.525+/-1.683 χ^2/NDF:105.3/12

+ sign -220.891+/-0.846 χ^2/NDF: 7410.9/30

All: -222.566+/-0.597 χ^2/NDF: 14135.9/62

- sign -224.227+/-0.843 χ^2/NDF: 6717.2/31

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 13.850+/-0.994 χ^2/NDF:204.0/14

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

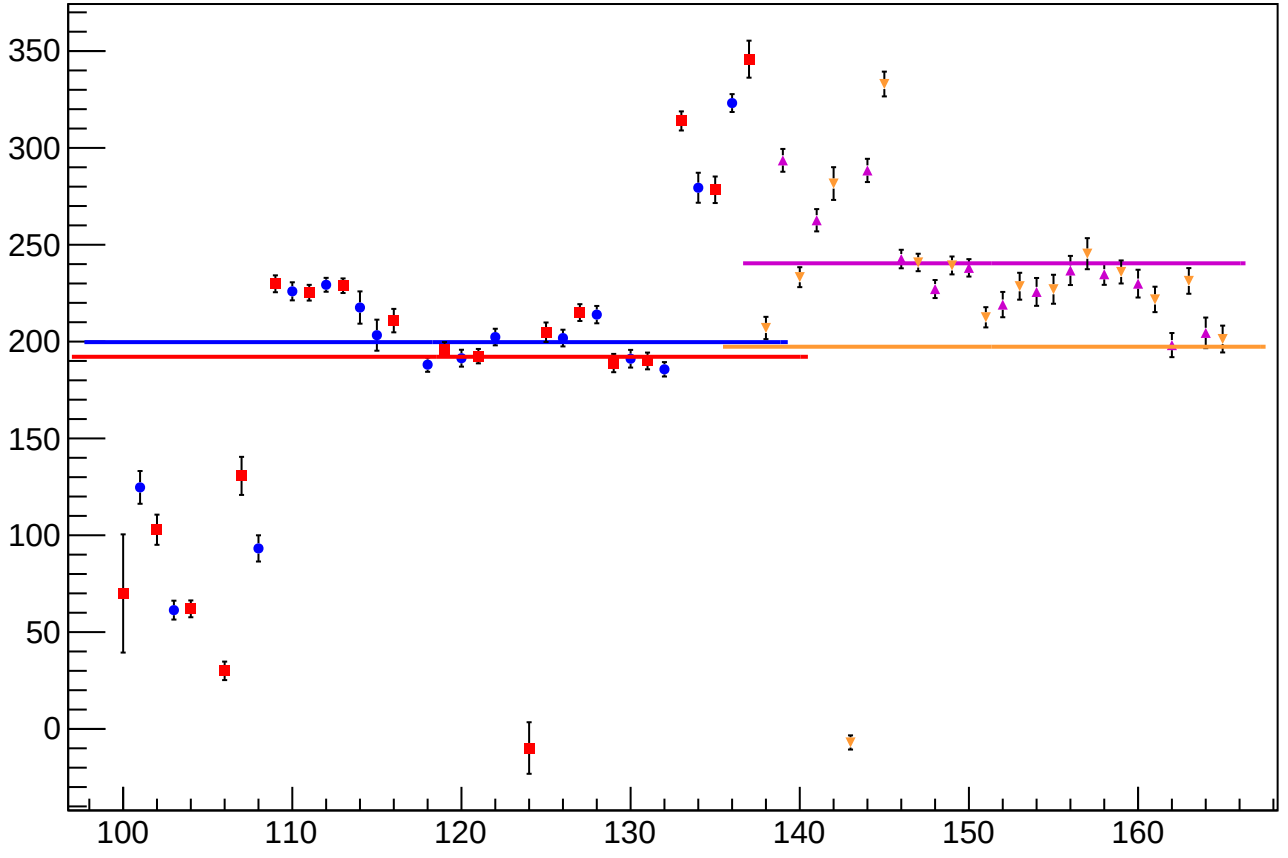
Left In: 13.363+/-1.110 χ^2/NDF:173.0/12

+ sign 14.478+/-0.721 χ^2/NDF: 277.2/30

All: 14.598+/-0.522 χ^2/NDF: 516.7/62

- sign 14.731+/-0.758 χ^2/NDF: 239.4/31

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 197.349+/-1.469 χ^2/NDF:4055.9/14

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

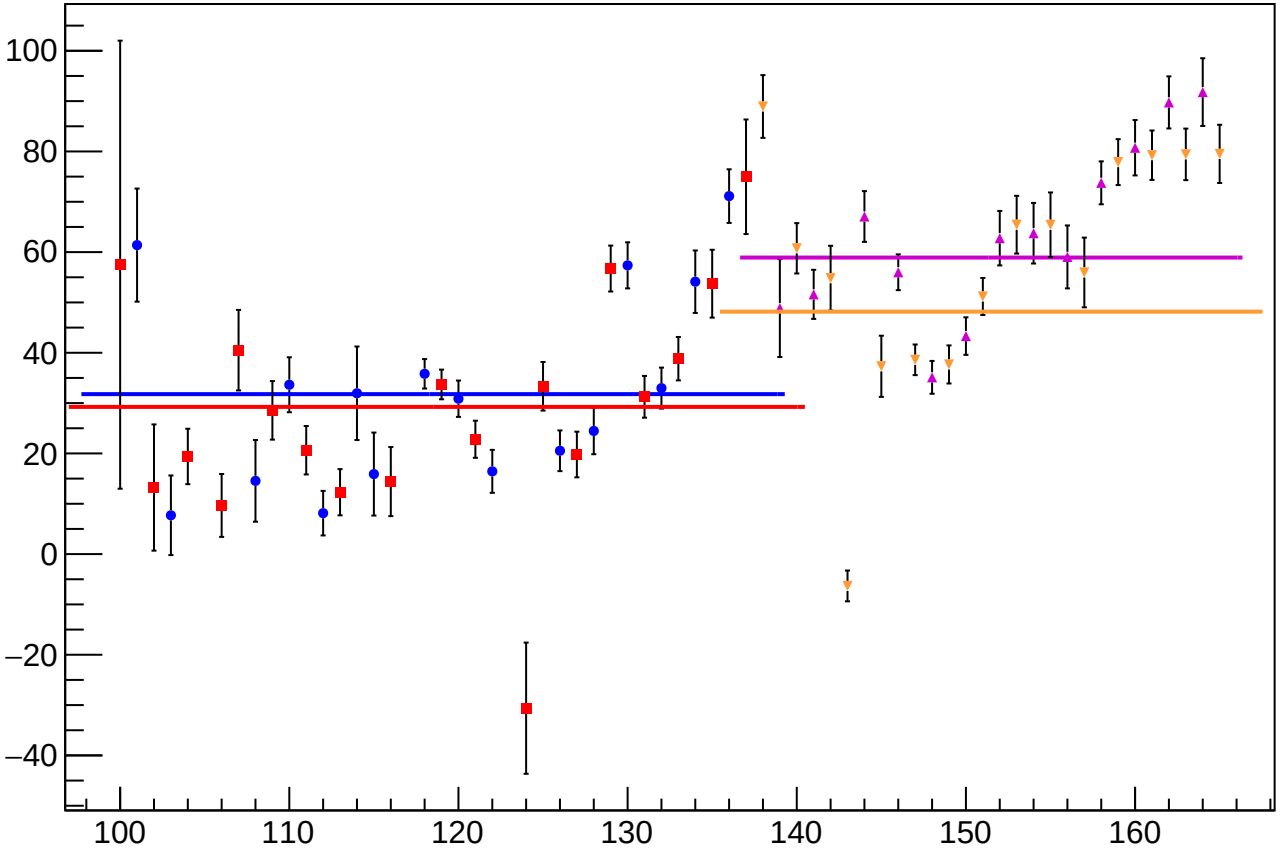
Left In: 240.421+/-1.620 χ^2/NDF:253.7/12

+ sign 198.776+/-0.927 χ^2/NDF: 6159.1/30

All: 203.502+/-0.660 χ^2/NDF: 10832.4/62

- sign 208.336+/-0.938 χ^2/NDF: 4620.8/31

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 48.173+/-1.188 χ^2/NDF:555.8/14

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

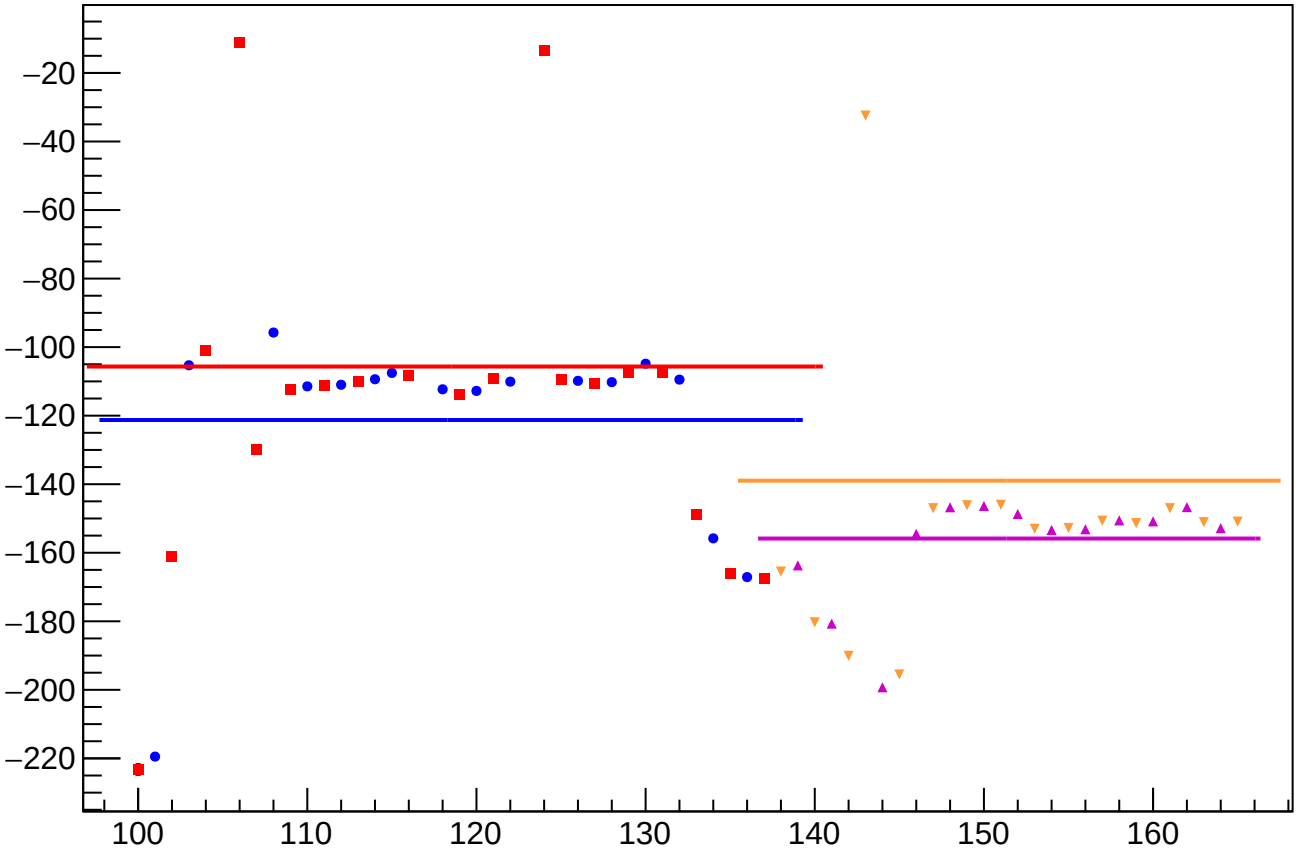
Left In: 58.919+/-1.323 χ^2/NDF:165.7/12

+ sign 40.172+/-0.850 χ^2/NDF: 825.7/30

All: 41.335+/-0.614 χ^2/NDF: 1413.0/62

- sign 42.602+/-0.887 χ^2/NDF: 583.4/31

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -138.967+/-0.057 χ^2/NDF:630773.7/14

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

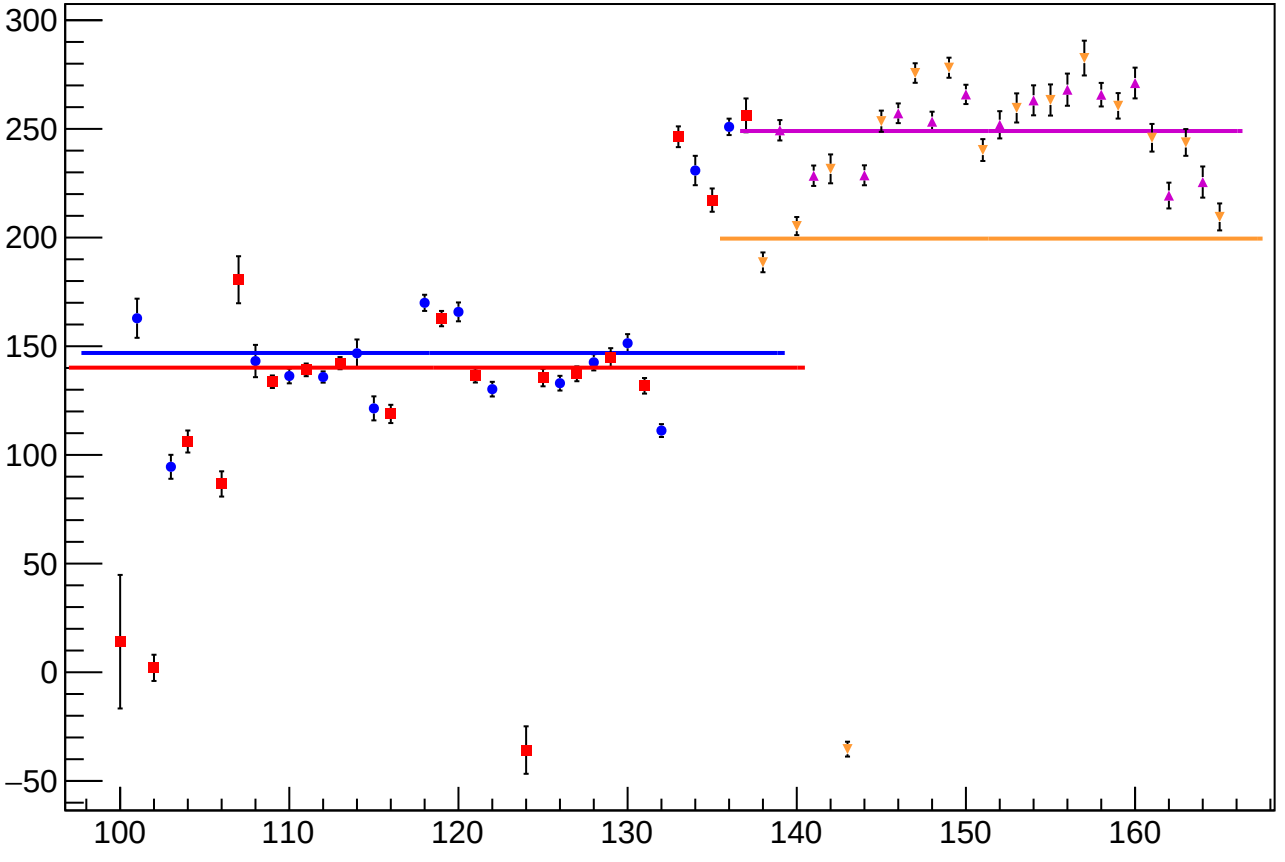
Left In: -155.852+/-0.062 χ^2/NDF:47578.4/12

+ sign -132.865+/-0.047 χ^2/NDF: 782875.1/30

All: -134.110+/-0.033 χ^2/NDF: 1454645.1/62

- sign -135.417+/-0.048 χ^2/NDF: 670302.3/31

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 199.524+/-1.342 χ^2/NDF:5999.8/14

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

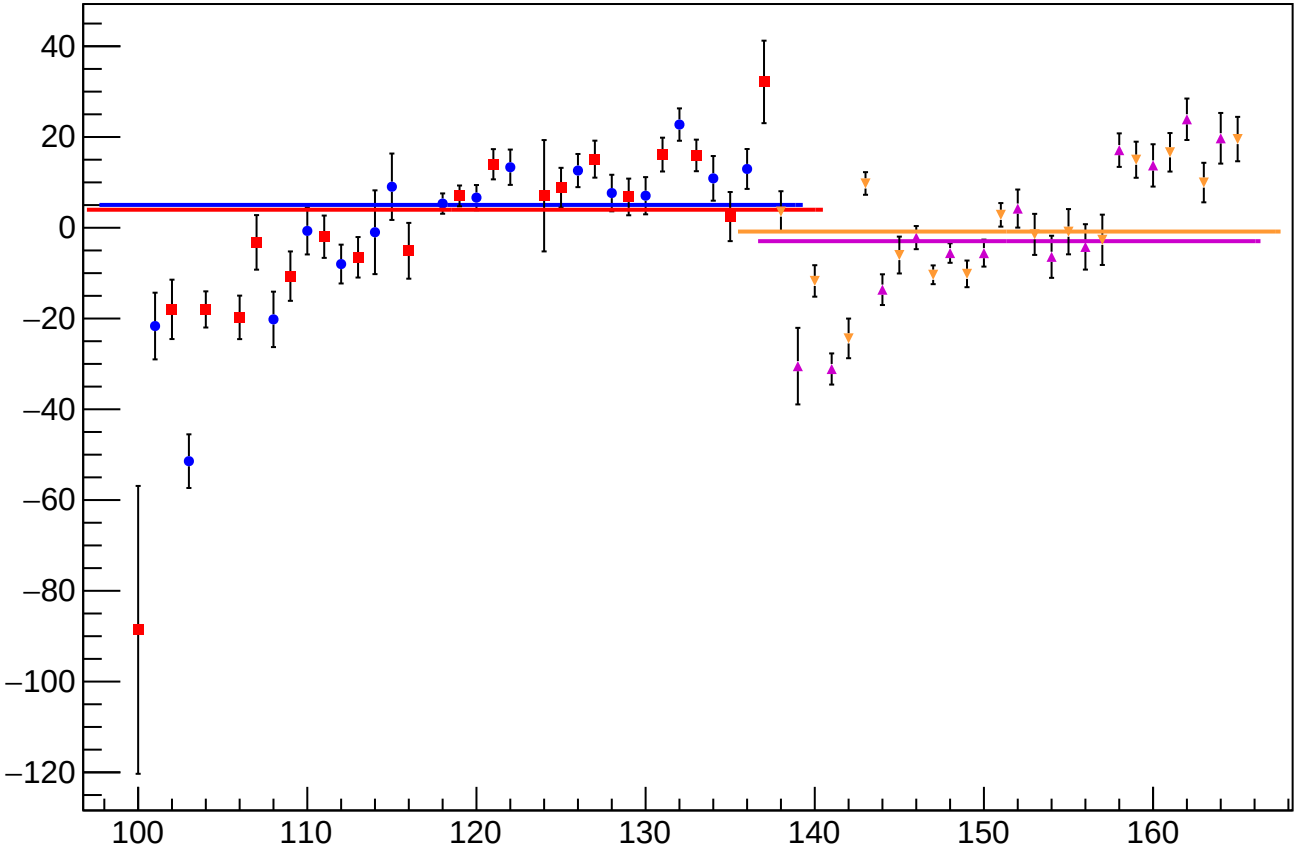
Left In: 249.024+/-1.487 χ^2/NDF:123.4/12

+ sign 165.774+/-0.804 χ^2/NDF: 8288.1/30

All: 168.964+/-0.569 χ^2/NDF: 14176.8/62

- sign 172.179+/-0.807 χ^2/NDF: 5857.0/31

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -0.833+/-0.898 χ^2/NDF:149.3/14

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

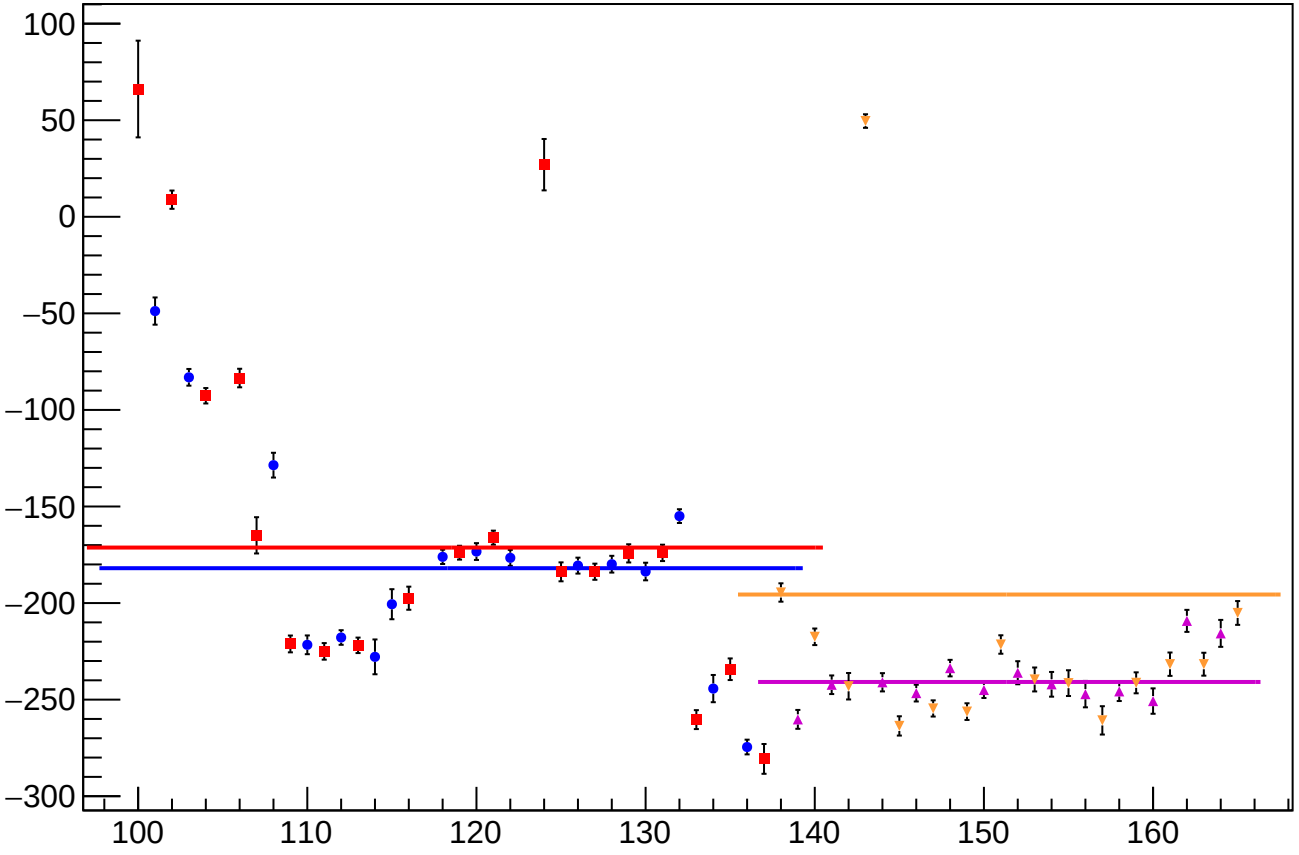
Left In: -2.953+/-0.994 χ^2/NDF:187.2/12

+ sign 1.728+/-0.674 χ^2/NDF: 339.8/30

All: 1.121+/-0.489 χ^2/NDF: 697.4/62

- sign 0.450+/-0.709 χ^2/NDF: 355.9/31

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -195.579+/-1.315 χ^2/NDF:5866.5/14

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

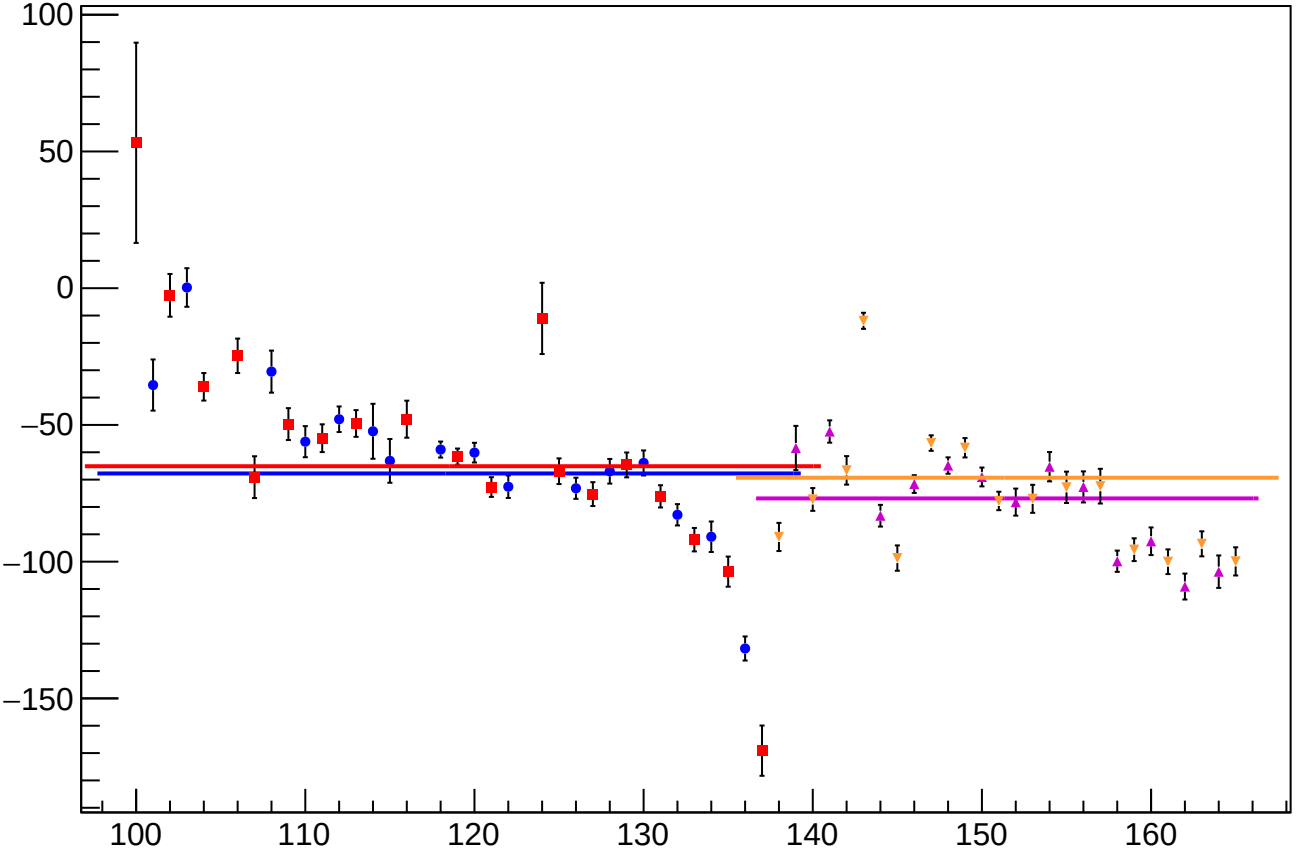
Left In: -240.854+/-1.437 χ^2/NDF:69.9/12

+ sign -187.878+/-0.867 χ^2/NDF: 7797.6/30

All: -192.520+/-0.617 χ^2/NDF: 13020.9/62

- sign -197.289+/-0.879 χ^2/NDF: 5165.2/31

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -69.310+/-1.071 χ^2/NDF:631.0/14

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

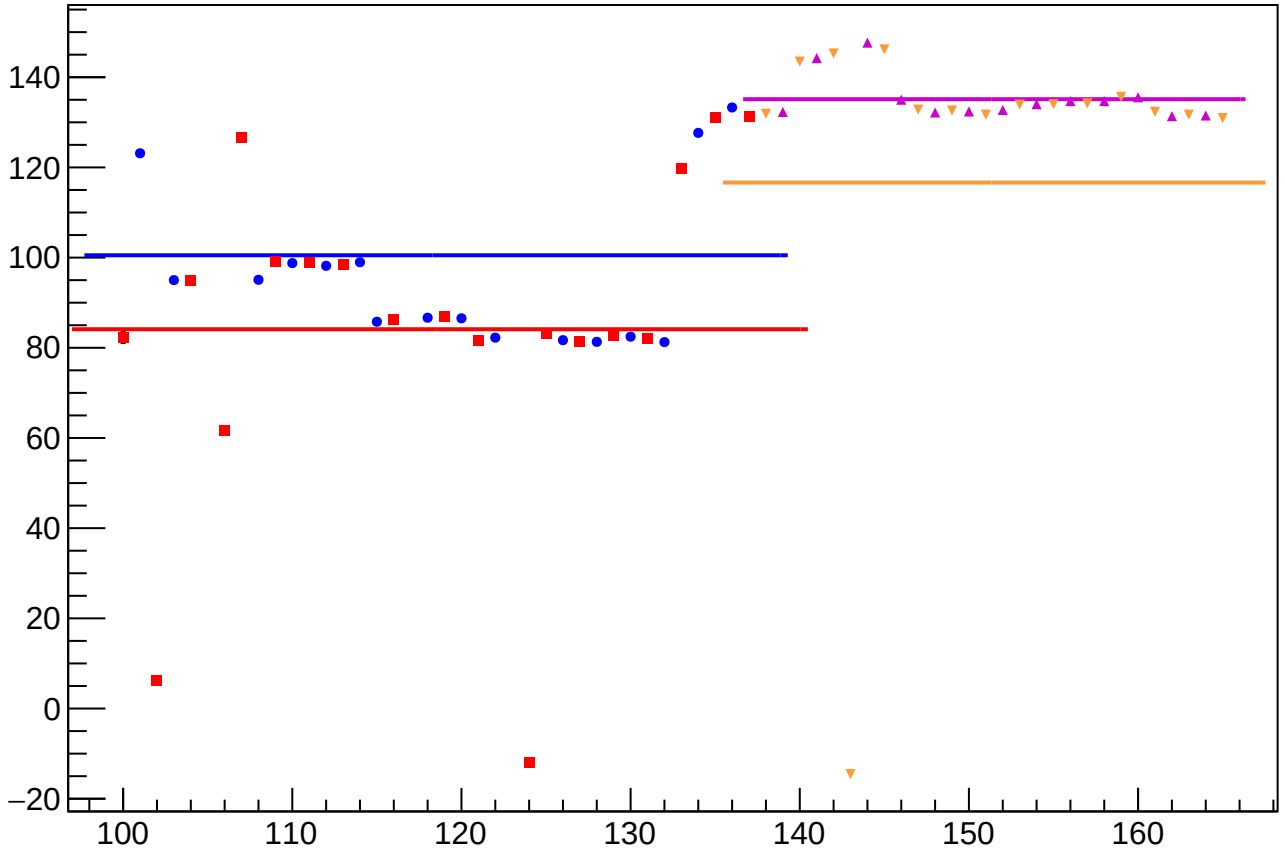
Left In: -76.877+/-1.183 χ^2/NDF:184.0/12

+ sign -68.604+/-0.793 χ^2/NDF: 1046.0/30

All: -69.704+/-0.574 χ^2/NDF: 1713.3/62

- sign -70.910+/-0.831 χ^2/NDF: 663.3/31

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 116.648+/-0.051 χ^2/NDF:930485.3/14

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

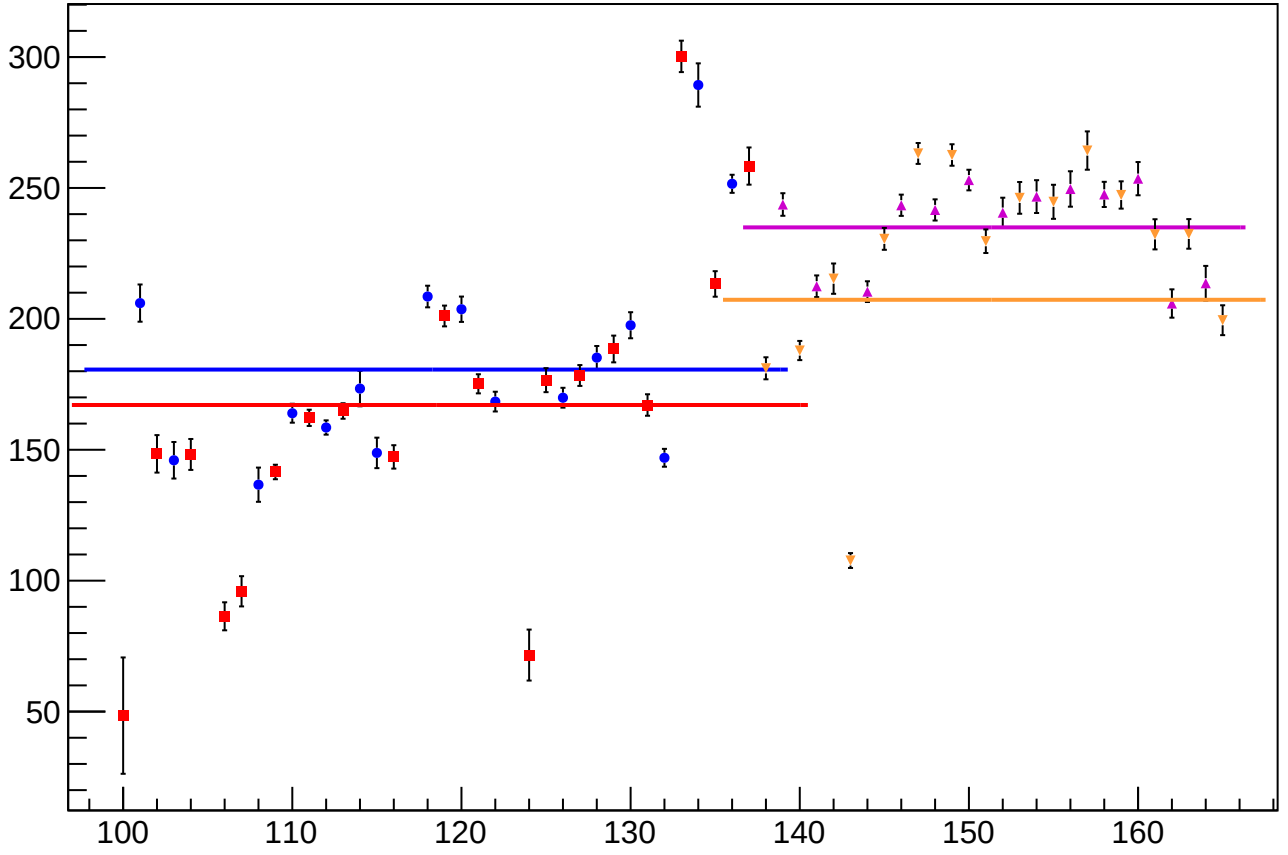
Left In: 135.129+/-0.055 χ^2/NDF:7125.5/12

\+ sign 111.388+/-0.042 χ^2/NDF: 1030005.6/30

All: 113.331+/-0.030 χ^2/NDF: 1637931.9/62

\- sign 115.352+/-0.043 χ^2/NDF: 603609.4/31

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: 207.286+/-1.185 χ^2/NDF:1964.7/14

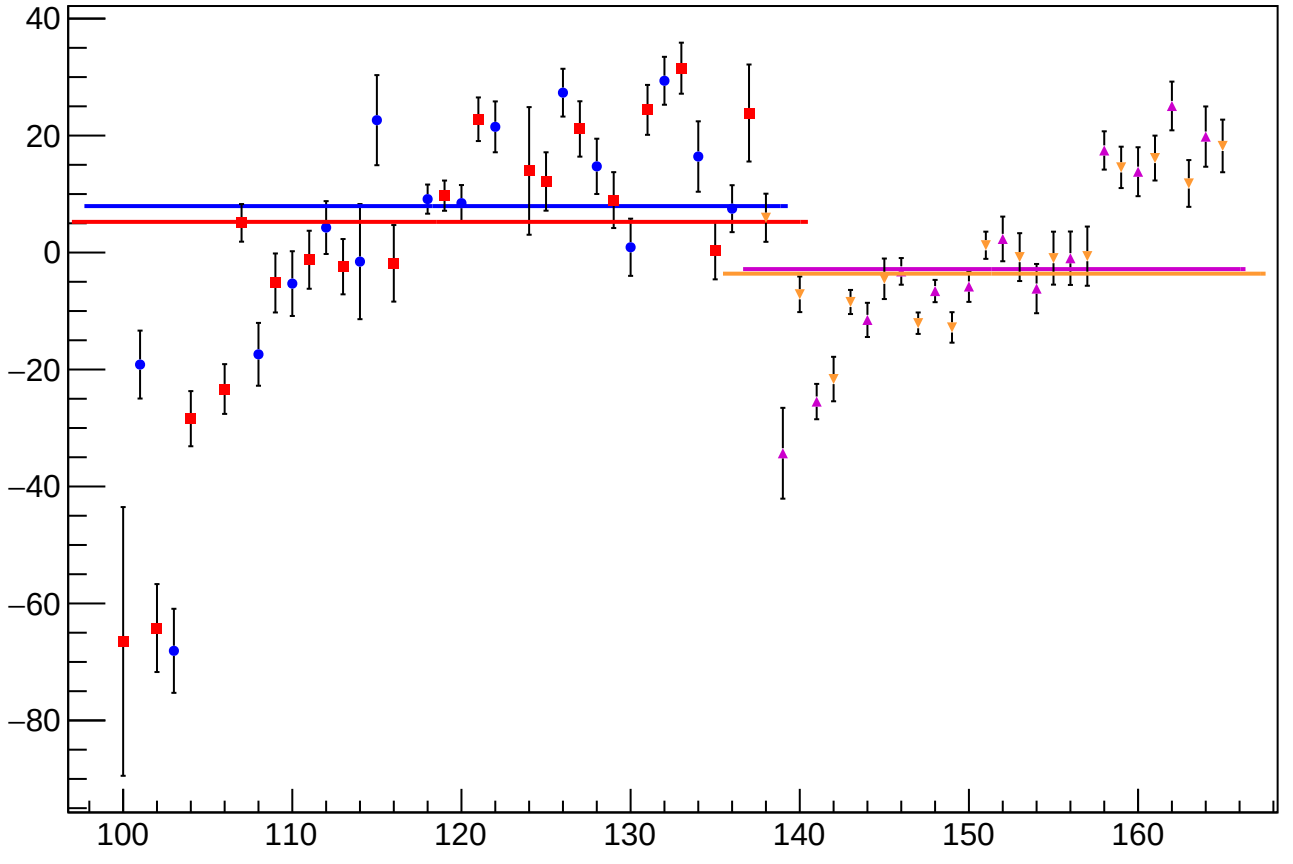
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

+ sign 192.842+/-0.802 χ^2/NDF: 3232.2/30

All: 192.552+/-0.570 χ^2/NDF: 6518.7/62

- sign 192.257+/-0.810 χ^2/NDF: 3286.3/31



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.611+/-0.792 χ^2/NDF:165.5/14

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

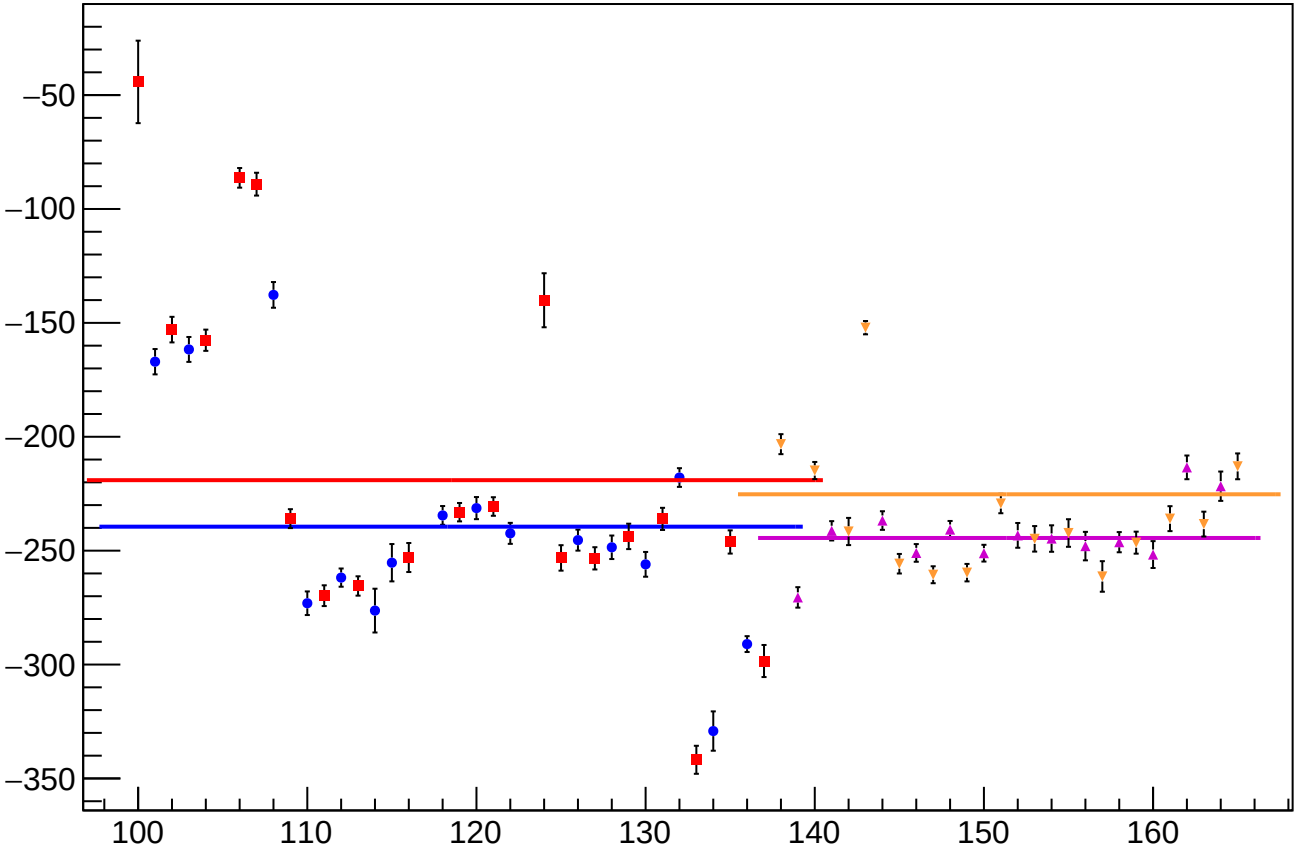
Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

+ sign 0.275+/-0.646 χ^2/NDF: 469.9/30

All: 0.374+/-0.468 χ^2/NDF: 1014.6/62

- sign 0.484+/-0.680 χ^2/NDF: 544.7/31

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.250+/-1.163 χ^2/NDF:971.2/14

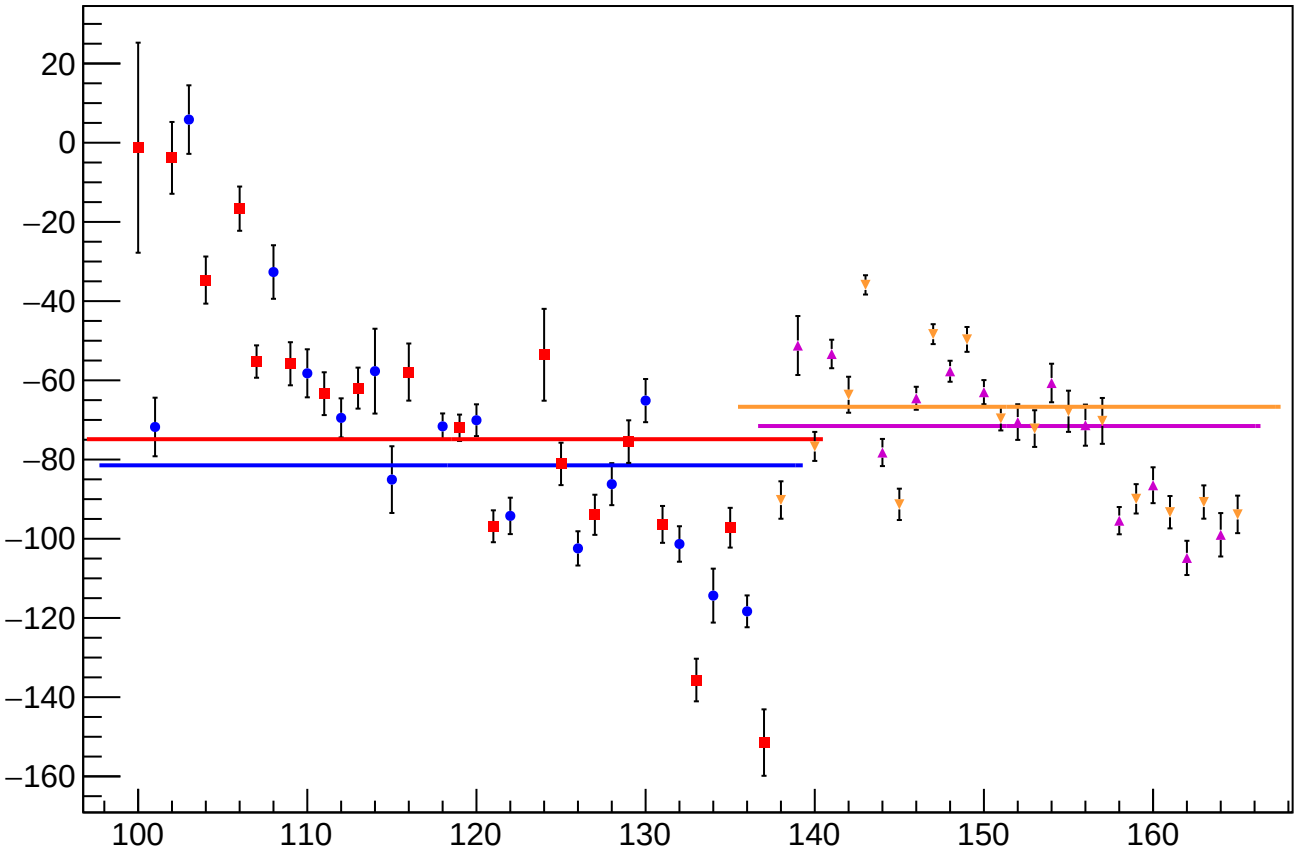
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -244.431+/-1.286 χ^2/NDF:94.9/12

+ sign -231.874+/-0.850 χ^2/NDF: 2203.1/30

All: -231.259+/-0.607 χ^2/NDF: 5560.5/62

- sign -230.617+/-0.868 χ^2/NDF: 3356.3/31



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -66.679+/-0.946 χ^2/NDF:463.9/14

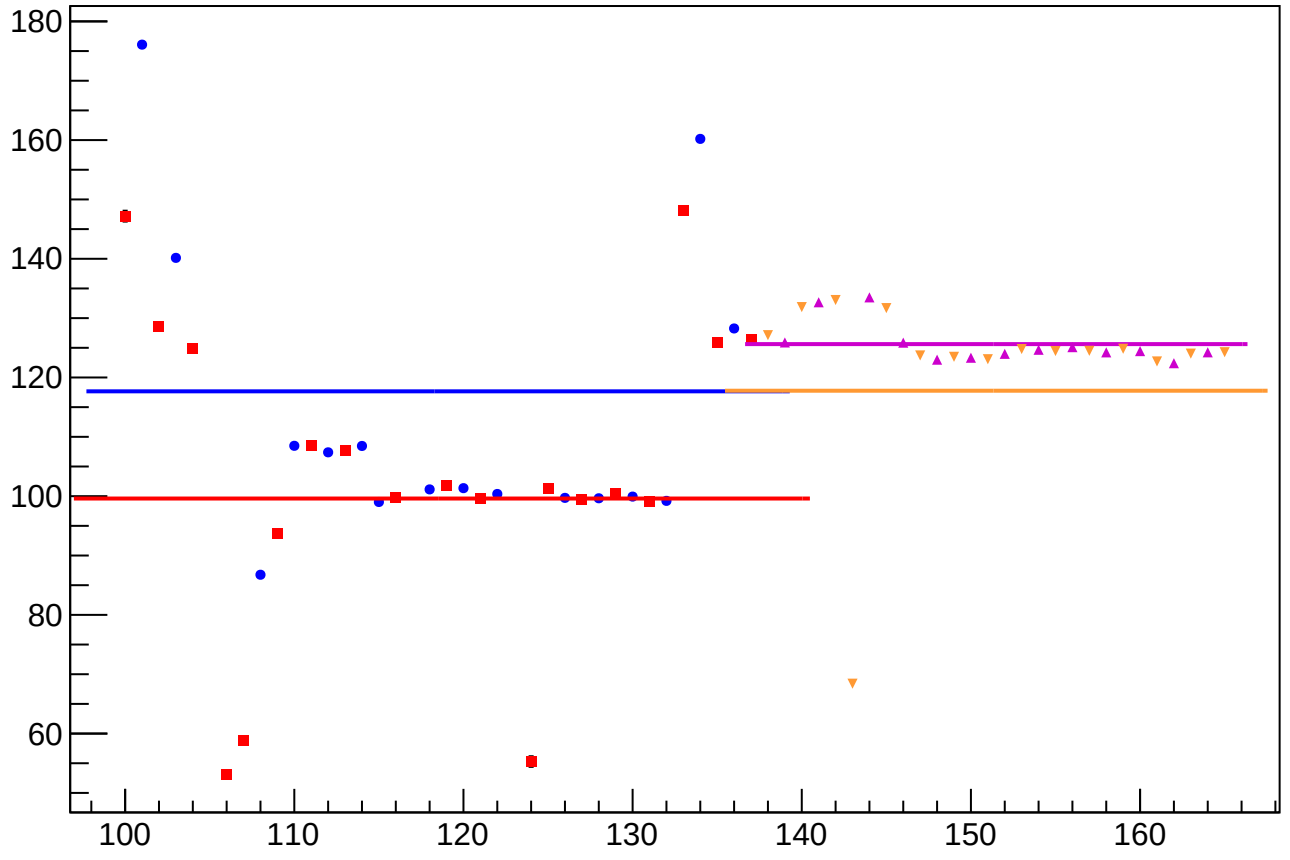
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

+ sign -71.866+/-0.762 χ^2/NDF: 916.1/30

All: -72.379+/-0.552 χ^2/NDF: 1724.2/62

- sign -72.946+/-0.801 χ^2/NDF: 807.2/31



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.769+/-0.046 χ^2/NDF:196446.0/14

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

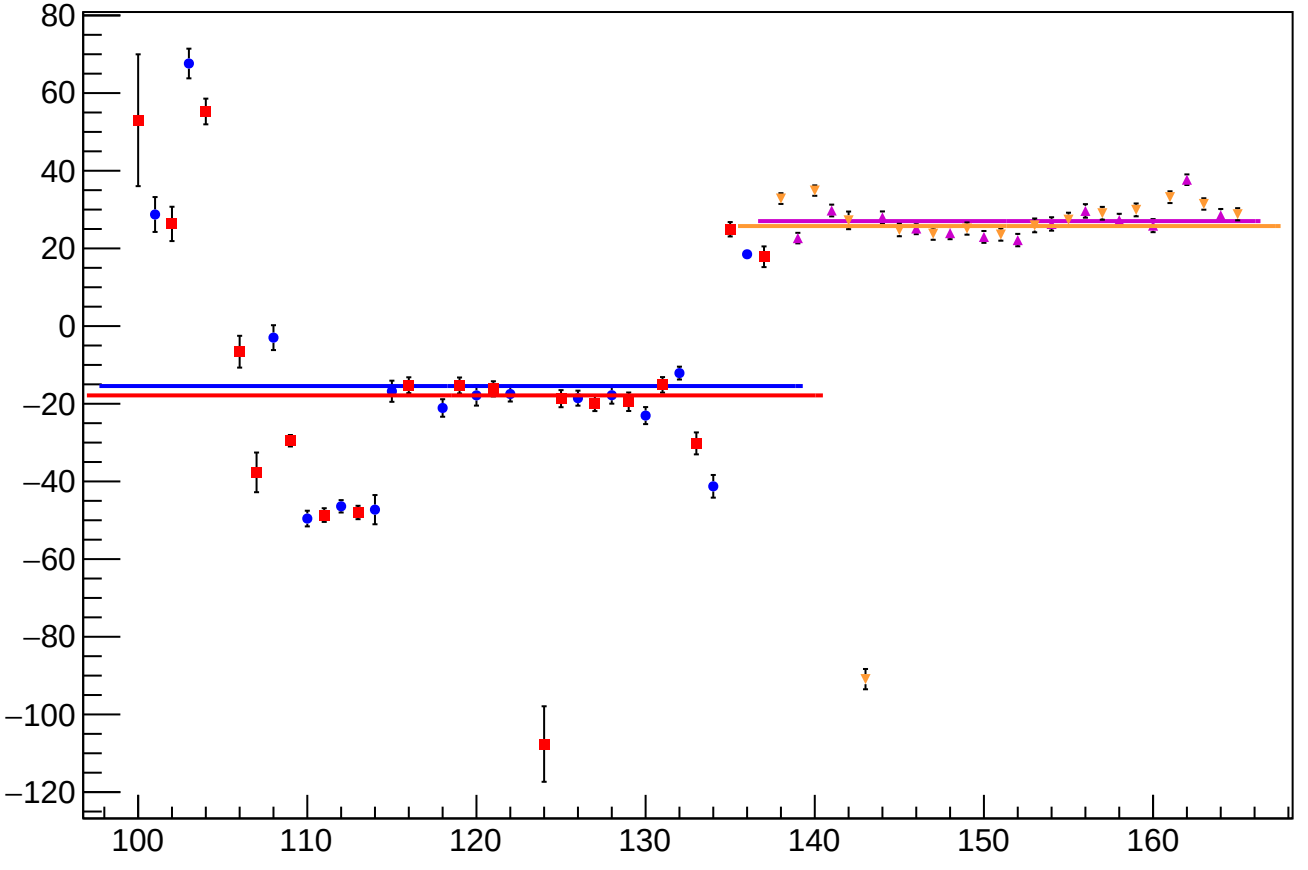
Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

+ sign 117.743+/-0.039 χ^2/NDF: 291844.4/30

All: 117.394+/-0.028 χ^2/NDF: 554533.4/62

- sign 117.028+/-0.040 χ^2/NDF: 262528.7/31

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: 25.756+/-0.420 χ^2/NDF:2125.2/14

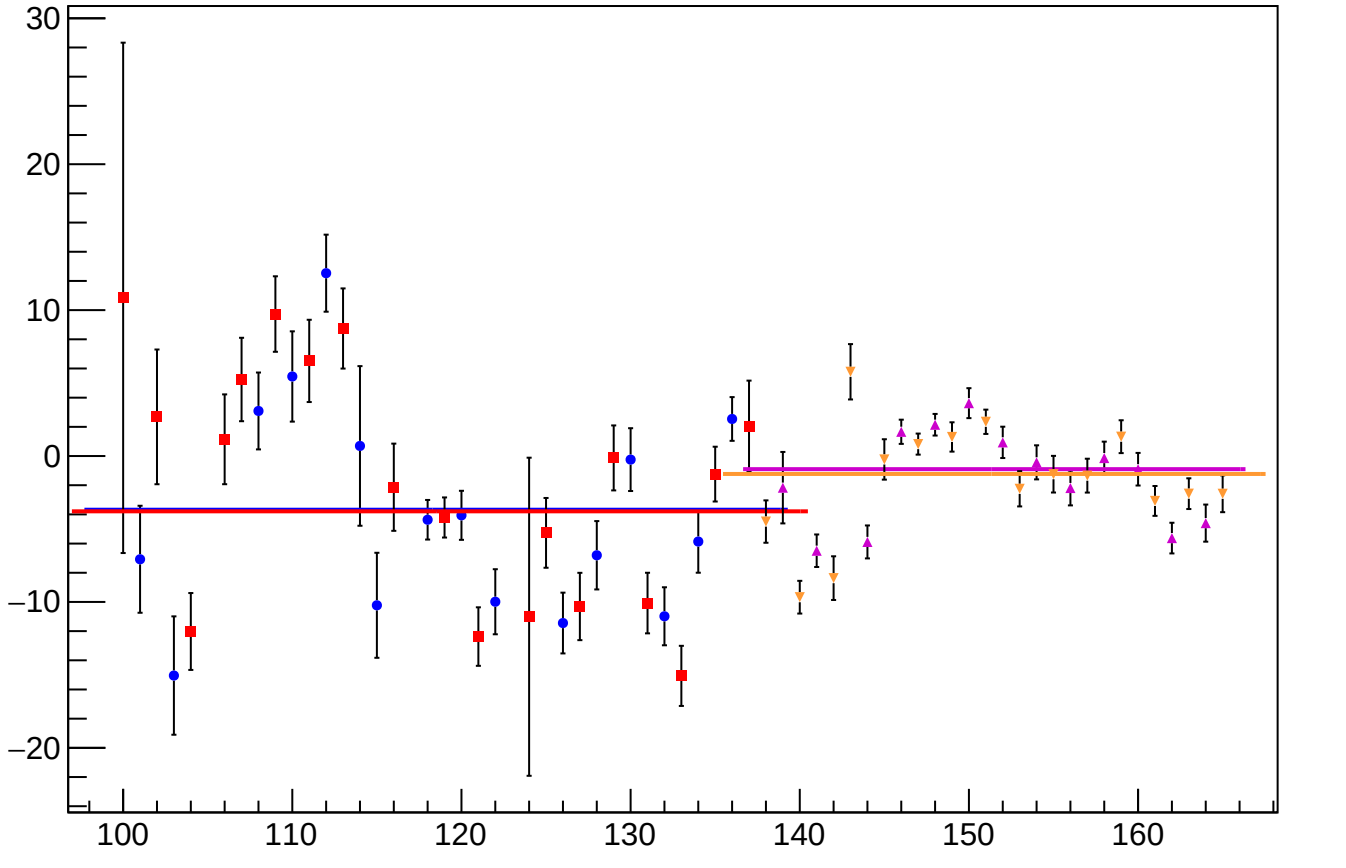
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.035+/-0.431 χ^2/NDF:101.1/12

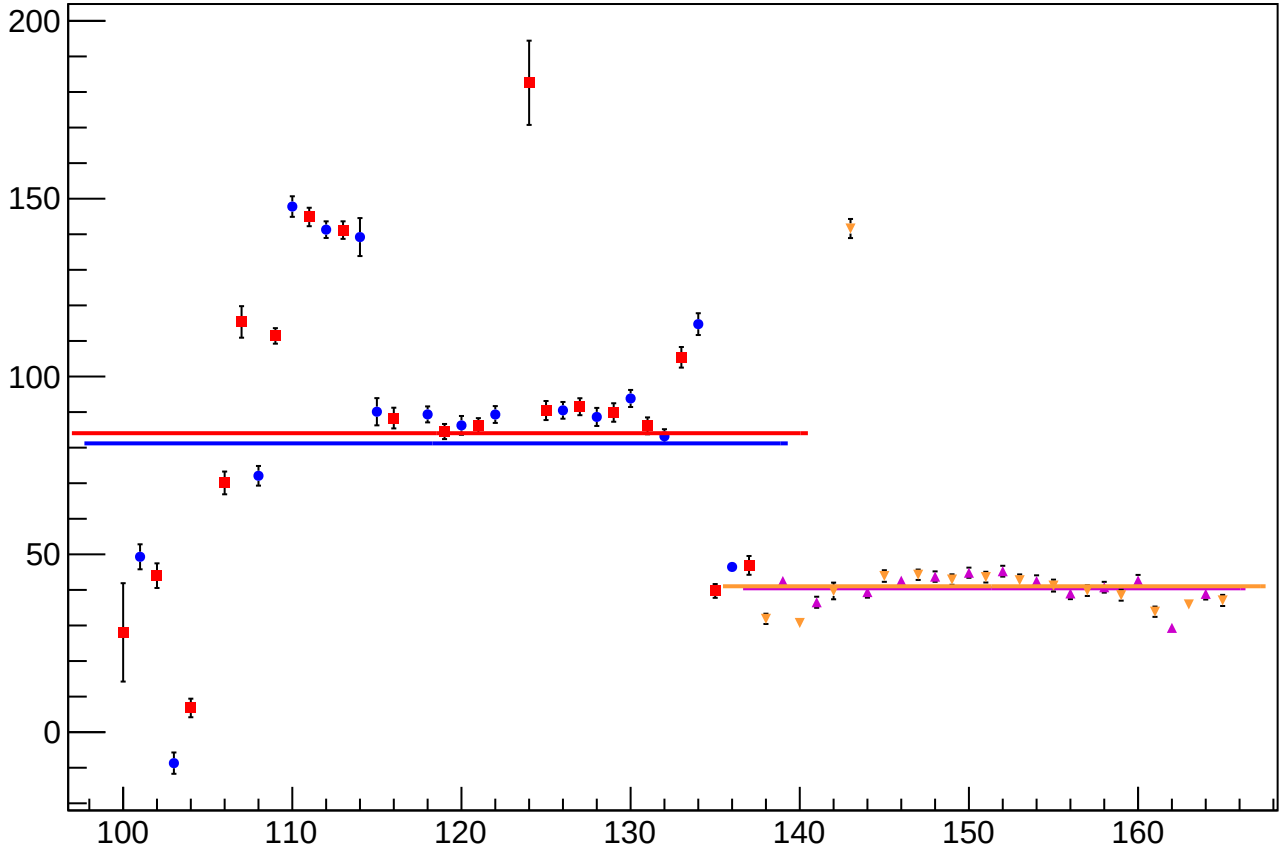
+ sign 10.204+/-0.331 χ^2/NDF: 7884.6/30

All: 9.690+/-0.235 χ^2/NDF: 14438.2/62

- sign 9.167+/-0.334 χ^2/NDF: 6548.8/31


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.229+/-0.286 χ²/NDF:143.5/14
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.899+/-0.296 χ²/NDF:124.2/12
+ sign -1.748+/-0.254 χ²/NDF: 283.0/30
All: -1.640+/-0.182 χ²/NDF: 589.4/62
- sign -1.524+/-0.262 χ²/NDF: 306.0/31

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: 41.025+/-0.407 χ^2/NDF:1559.1/14

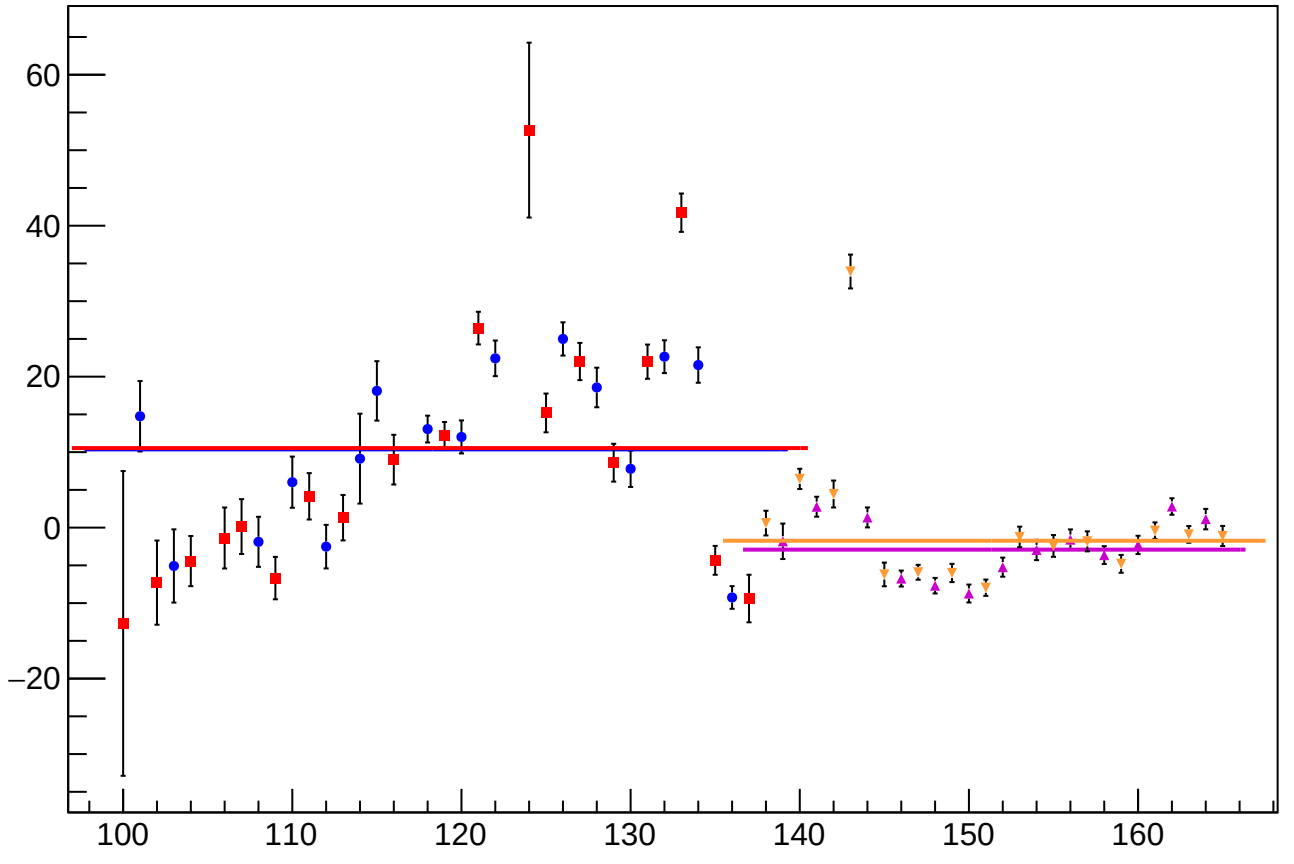
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.450+/-0.415 χ^2/NDF:113.1/12

+ sign 53.480+/-0.338 χ^2/NDF: 7812.1/30

All: 53.771+/-0.241 χ^2/NDF: 14577.5/62

- sign 54.073+/-0.344 χ^2/NDF: 6763.9/31



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.739+/-0.334 χ^2/NDF:385.7/14

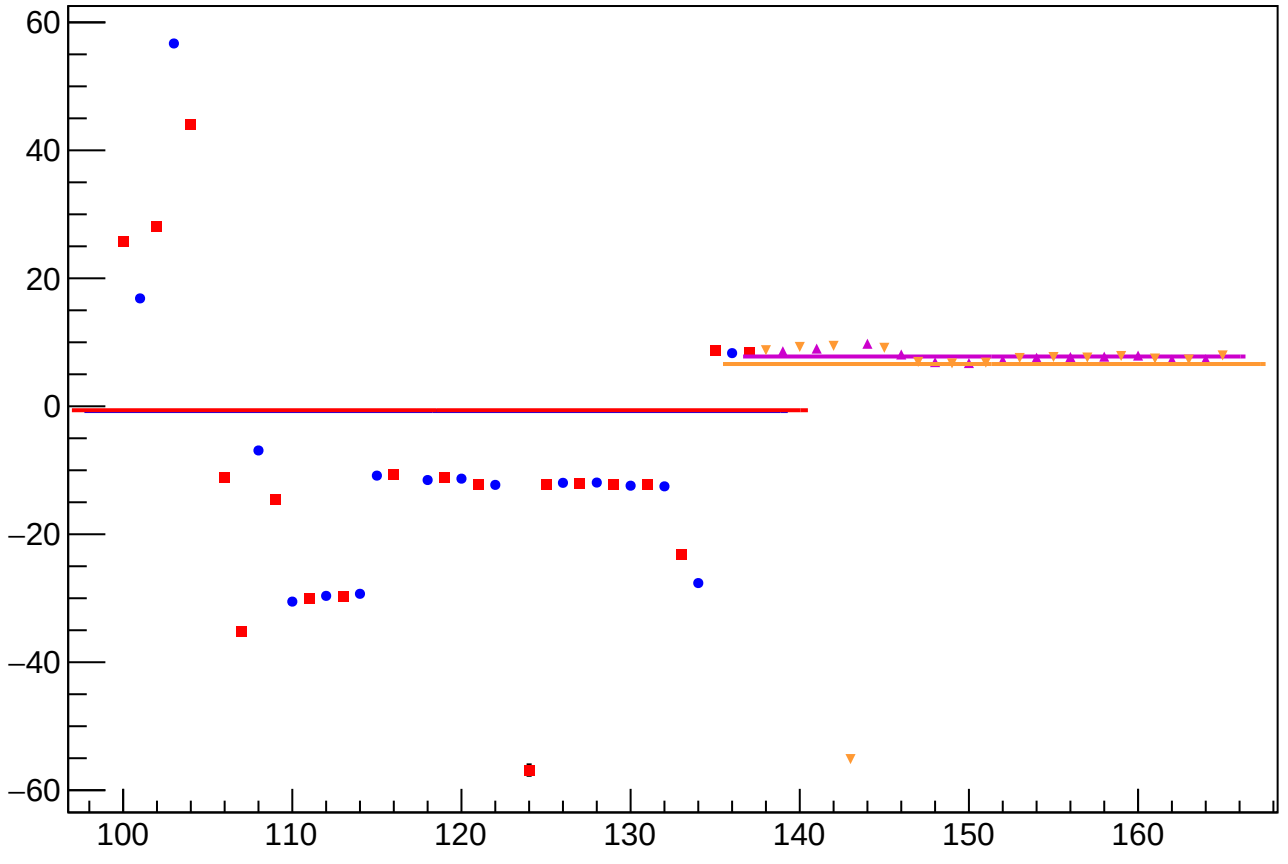
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.916+/-0.345 χ^2/NDF:129.2/12

\+ sign 0.943+/-0.295 χ^2/NDF: 1036.2/30

All: 0.542+/-0.212 χ^2/NDF: 1982.0/62

\- sign 0.116+/-0.304 χ^2/NDF: 942.0/31



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.607+/-0.015 χ^2/NDF:313660.3/14

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

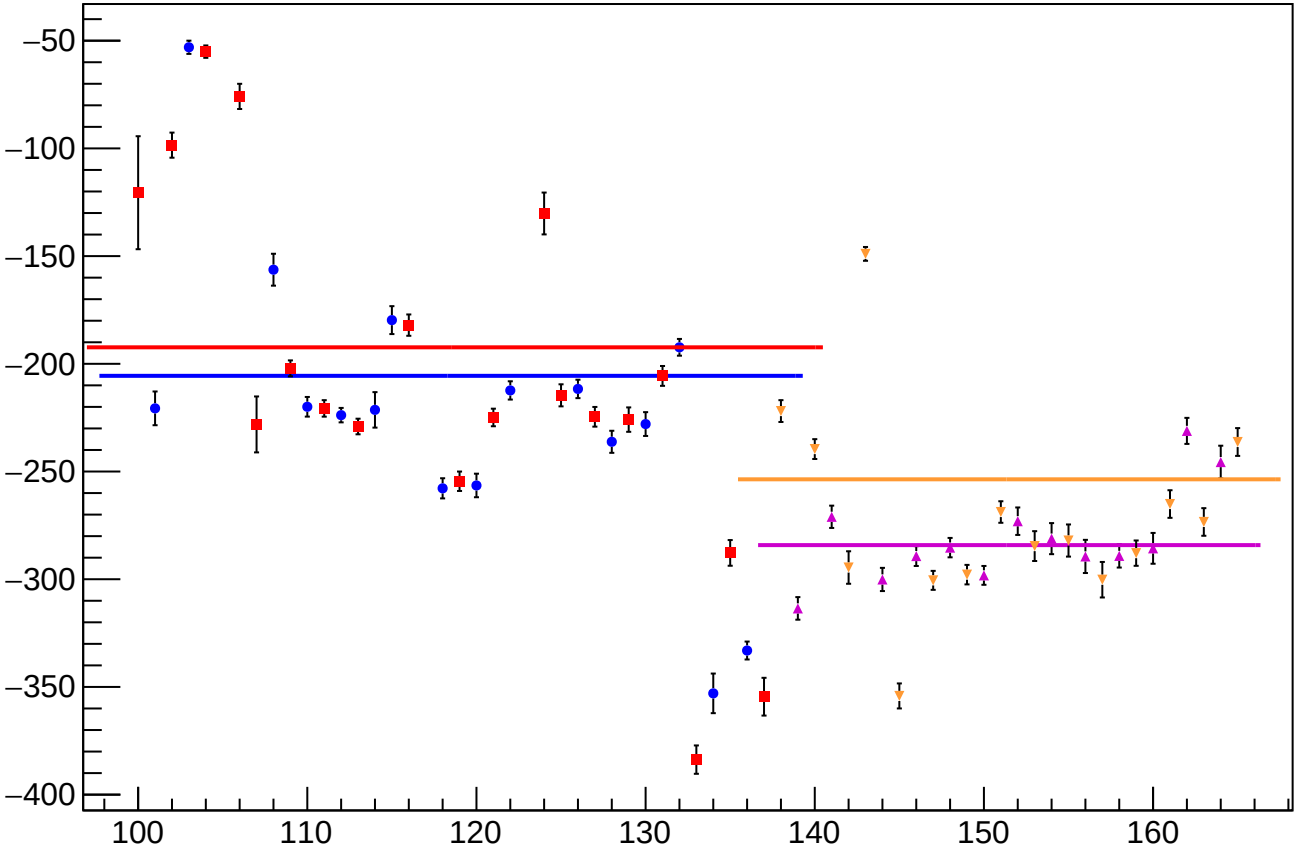
Left In: 7.780+/-0.016 χ^2/NDF:2291.6/12

+ sign 5.471+/-0.014 χ^2/NDF: 717150.9/30

All: 5.994+/-0.010 χ^2/NDF: 1081864.1/62

- sign 6.537+/-0.014 χ^2/NDF: 361905.9/31

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -253.620+/-1.379 χ^2/NDF:1780.5/14

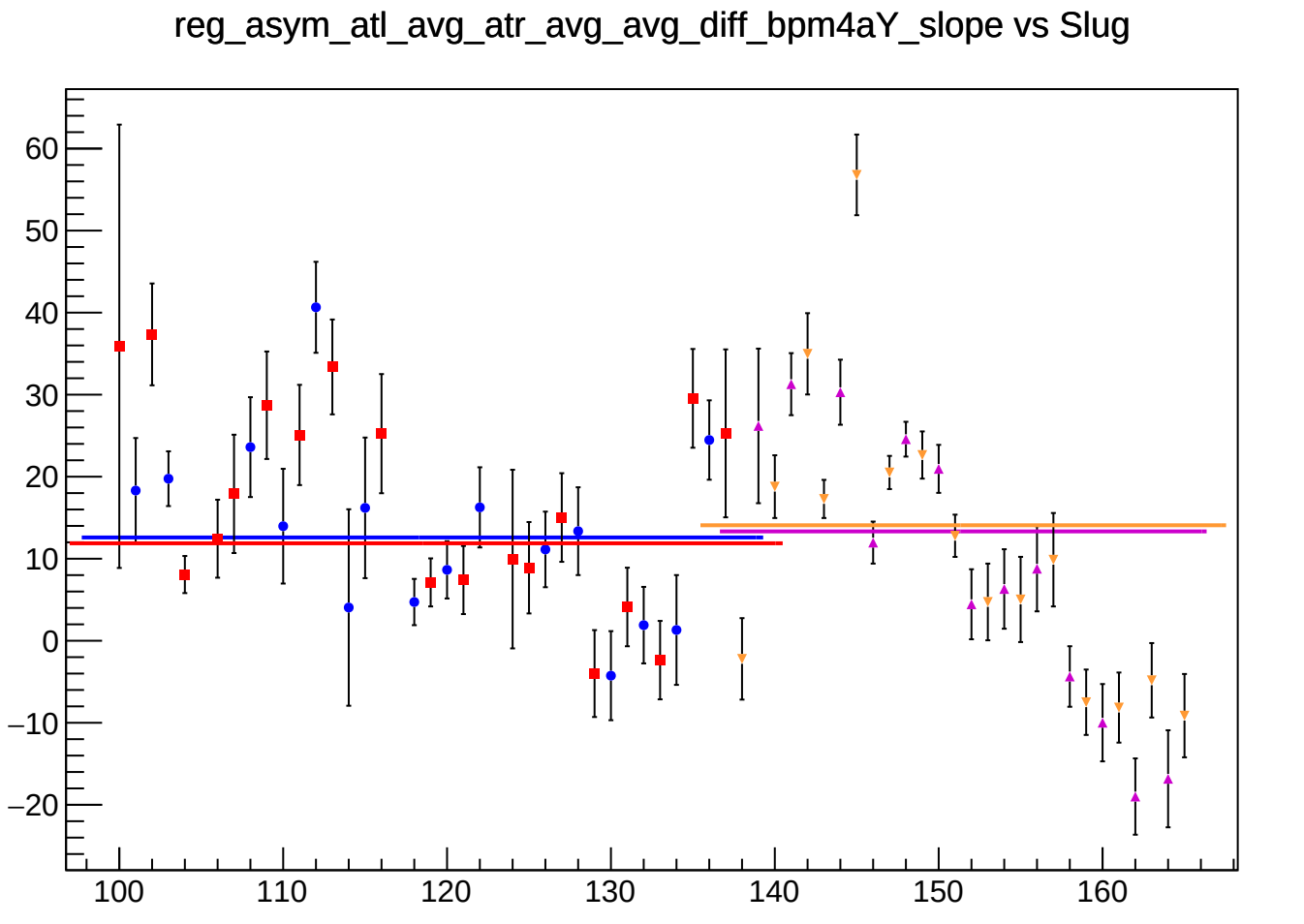
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -284.161+/-1.551 χ^2/NDF:165.5/12

+ sign -225.982+/-0.899 χ^2/NDF: 6535.0/30

All: -224.963+/-0.639 χ^2/NDF: 13973.6/62

- sign -223.919+/-0.909 χ^2/NDF: 7436.1/31



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 14.079+/-0.909 χ^2/NDF:228.8/14

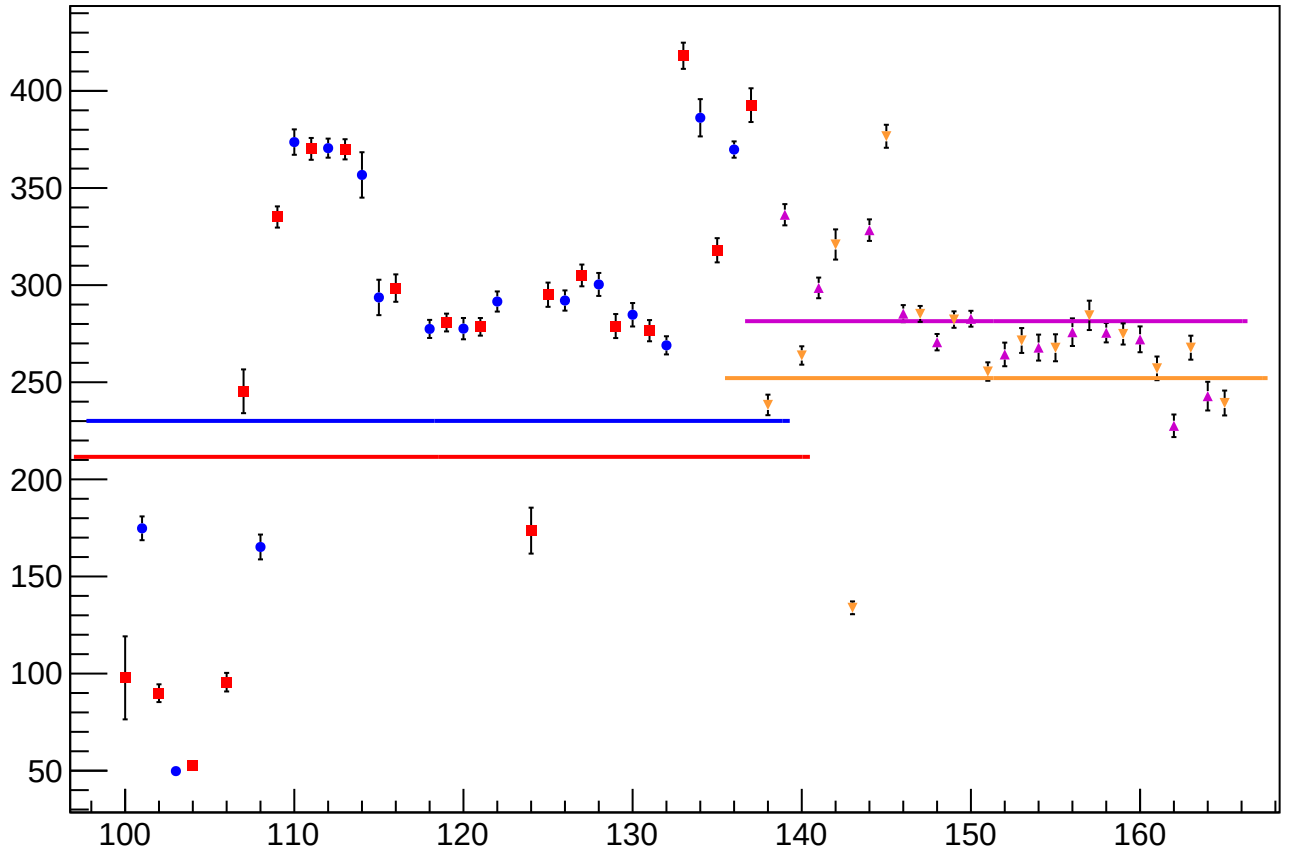
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 13.330+/-1.018 χ^2/NDF:206.8/12

+ sign 13.539+/-0.725 χ^2/NDF: 298.3/30

All: 13.124+/-0.523 χ^2/NDF: 591.6/62

- sign 12.675+/-0.754 χ^2/NDF: 292.7/31



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 252.131+/-1.348 χ^2/NDF:1995.5/14

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

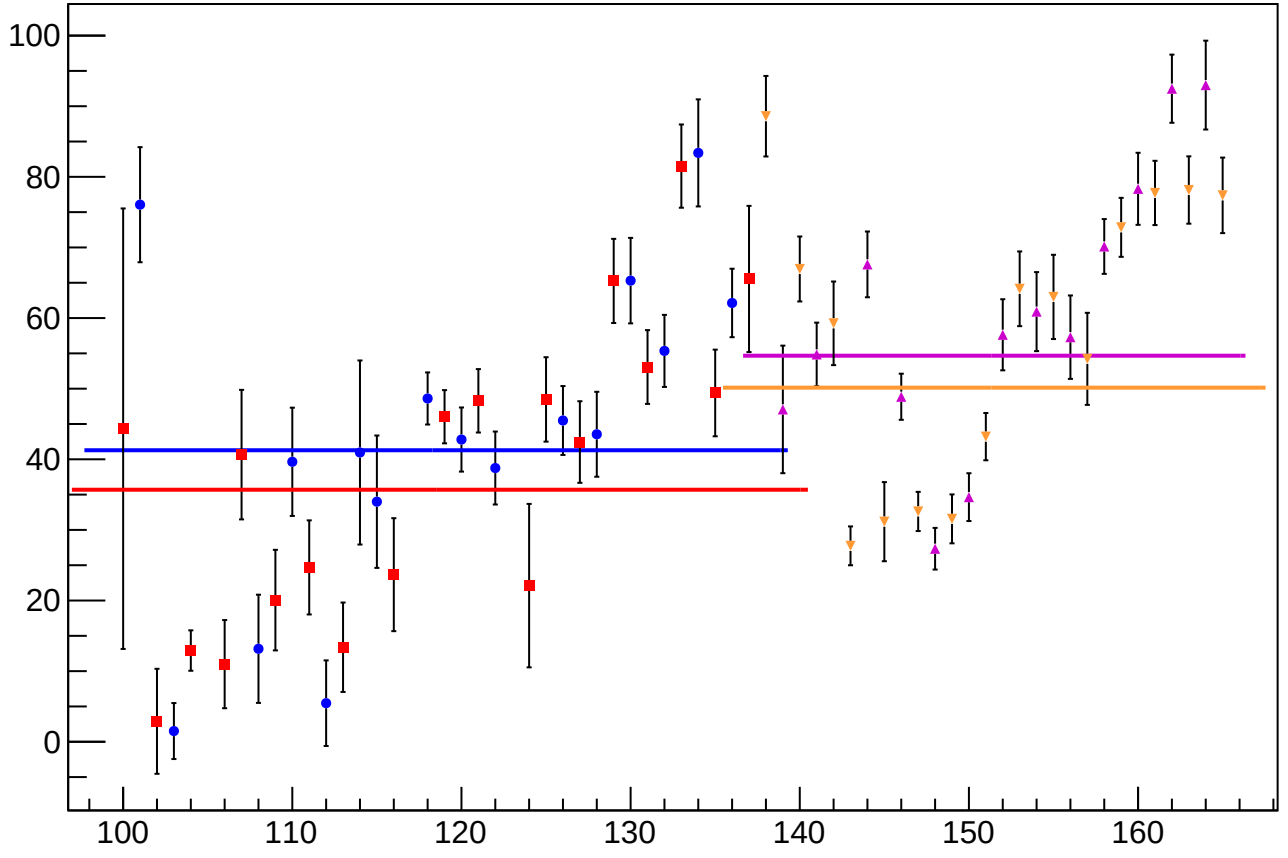
Left In: 281.445+/-1.492 χ^2/NDF:319.0/12

+ sign 240.371+/-0.920 χ^2/NDF: 11513.9/30

All: 239.642+/-0.655 χ^2/NDF: 24641.3/62

- sign 238.893+/-0.933 χ^2/NDF: 13126.2/31

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: 50.146+/-1.088 χ^2/NDF:350.7/14

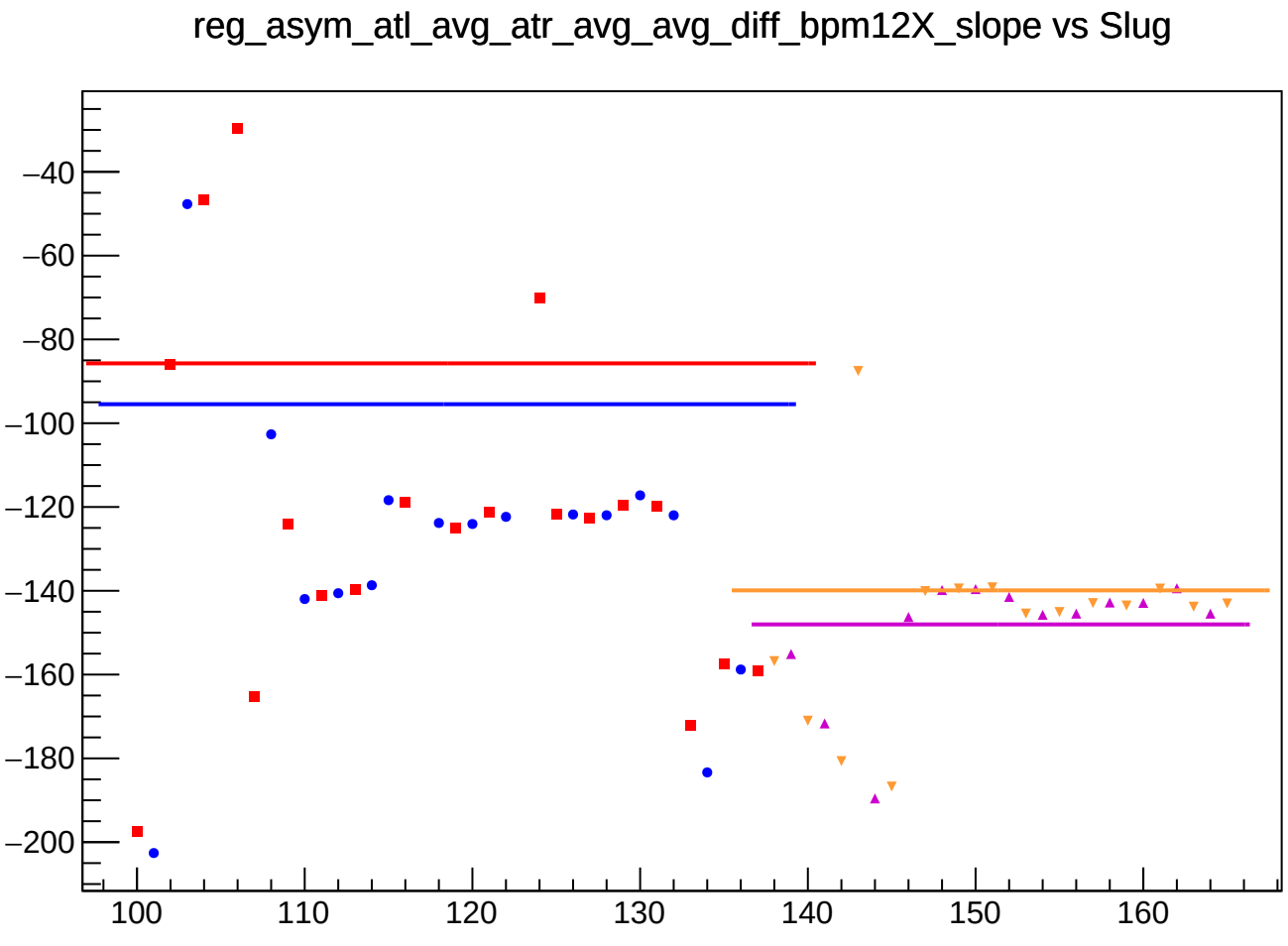
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 54.669+/-1.216 χ^2/NDF:270.0/12

+ sign 46.801+/-0.858 χ^2/NDF: 621.5/30

All: 46.387+/-0.619 χ^2/NDF: 1257.3/62

- sign 45.938+/-0.893 χ^2/NDF: 635.3/31



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.900+/-0.053 χ^2/NDF:231488.6/14

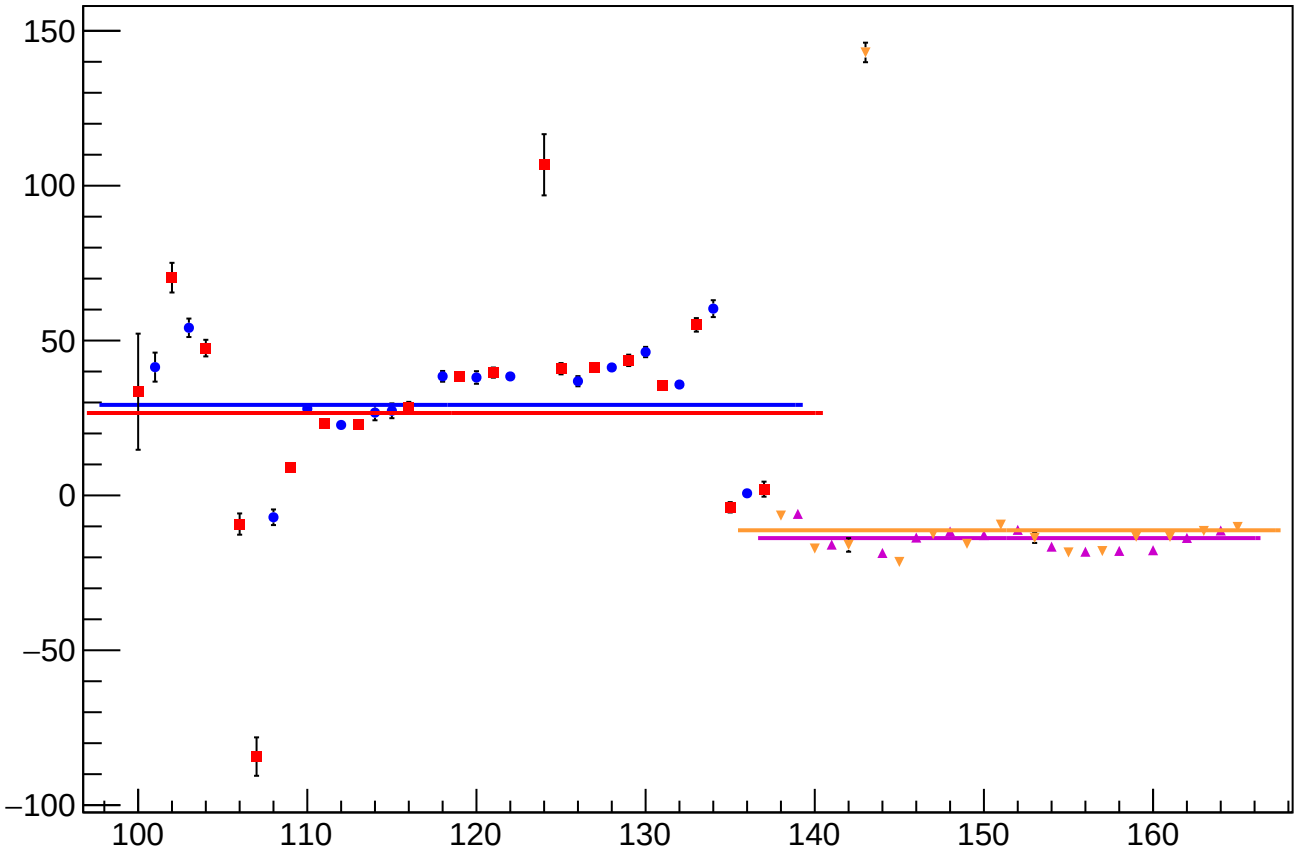
Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -148.028+/-0.057 χ^2/NDF:50160.0/12

+ sign -123.617+/-0.042 χ^2/NDF: 1010729.7/30

All: -122.736+/-0.030 χ^2/NDF: 2045979.7/62

- sign -121.796+/-0.043 χ^2/NDF: 1034343.2/31



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.257+/-0.394 χ^2/NDF:2530.3/14

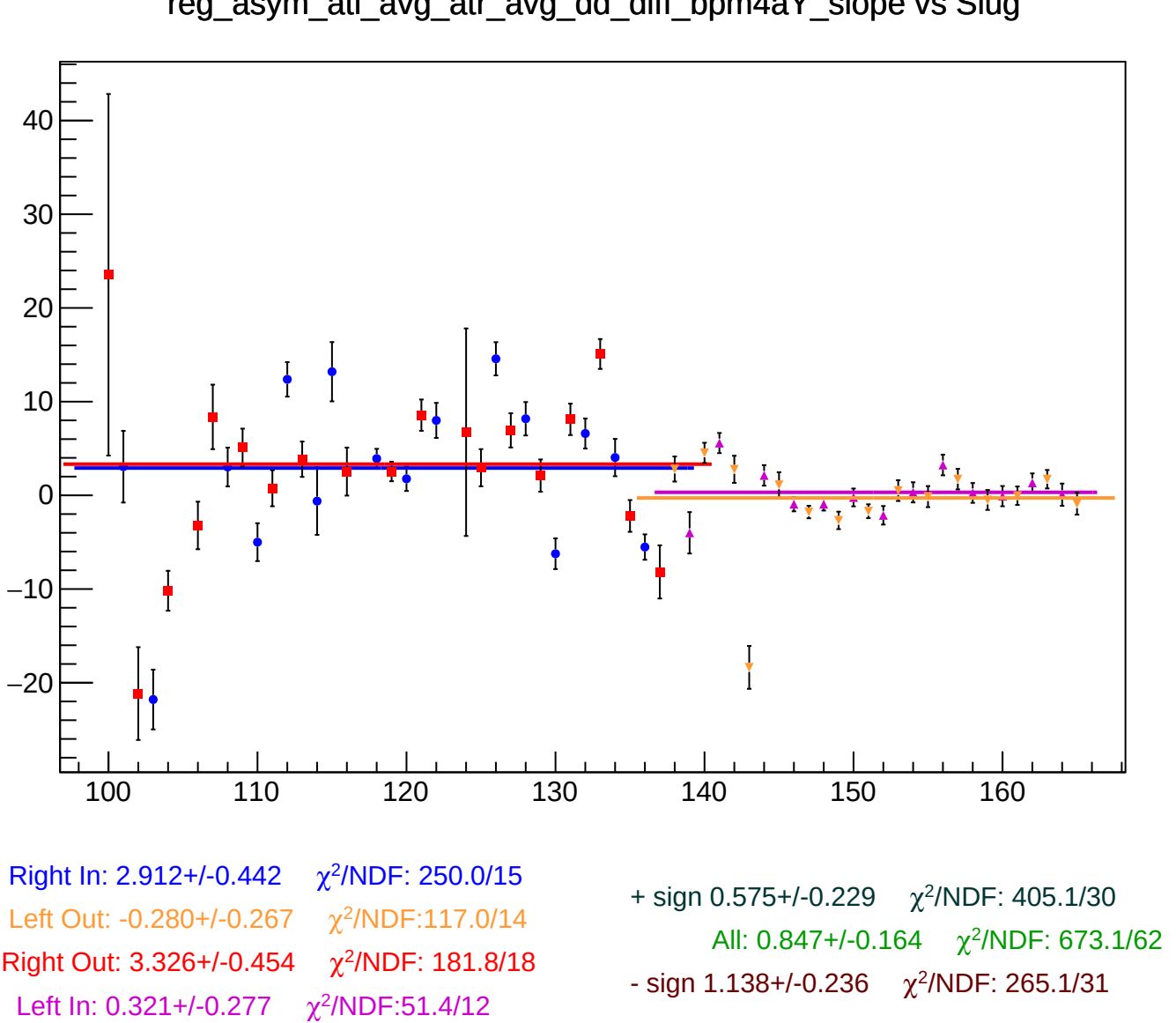
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

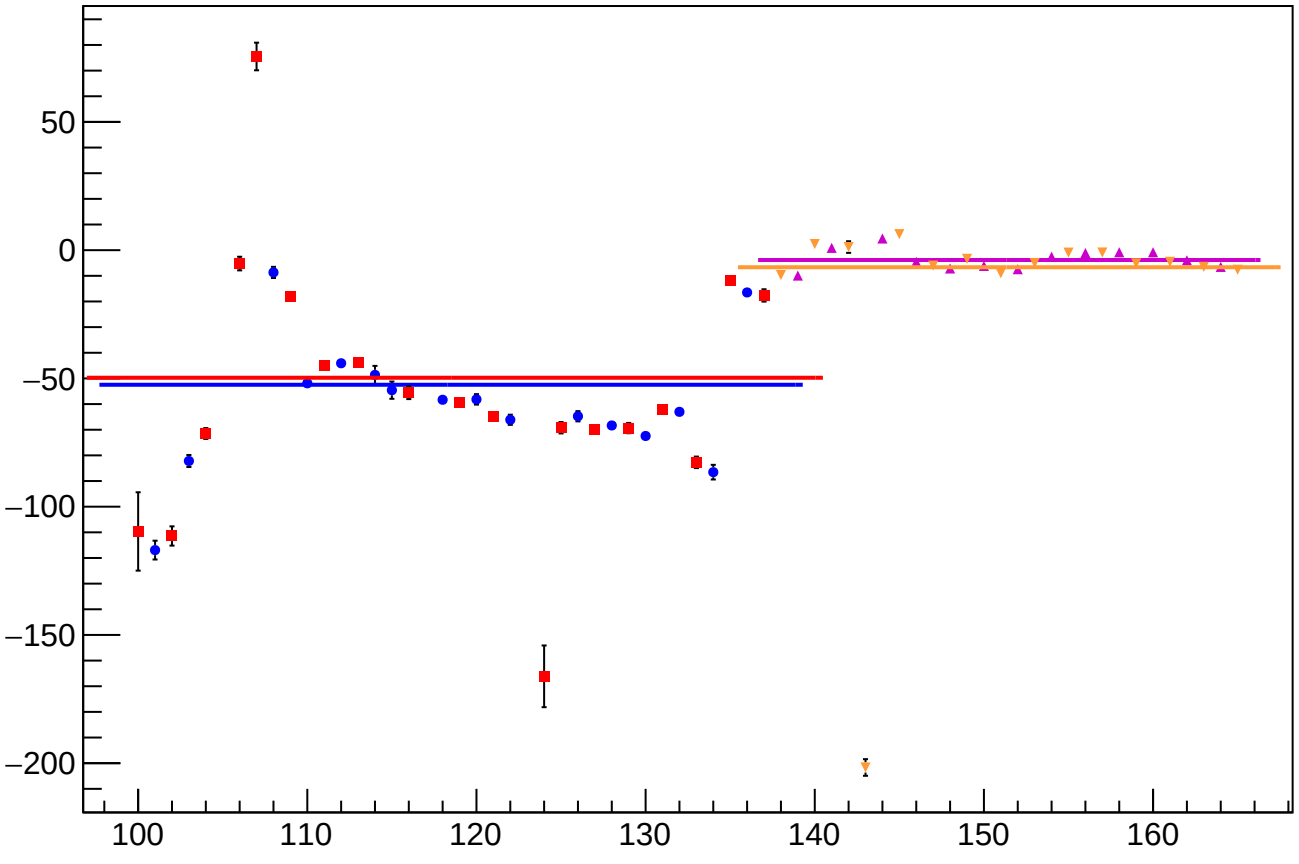
Left In: -13.785+/-0.403 χ^2/NDF:85.2/12

+ sign 7.472+/-0.289 χ^2/NDF: 8766.5/30

All: 6.659+/-0.204 χ^2/NDF: 15679.6/62

- sign 5.845+/-0.289 χ^2/NDF: 6897.2/31


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.280+/-0.267 χ²/NDF:117.0/14
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.321+/-0.277 χ²/NDF:51.4/12
+ sign 0.575+/-0.229 χ²/NDF: 405.1/30
All: 0.847+/-0.164 χ²/NDF: 673.1/62
- sign 1.138+/-0.236 χ²/NDF: 265.1/31



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.653+/-0.381 χ^2/NDF:3788.2/14

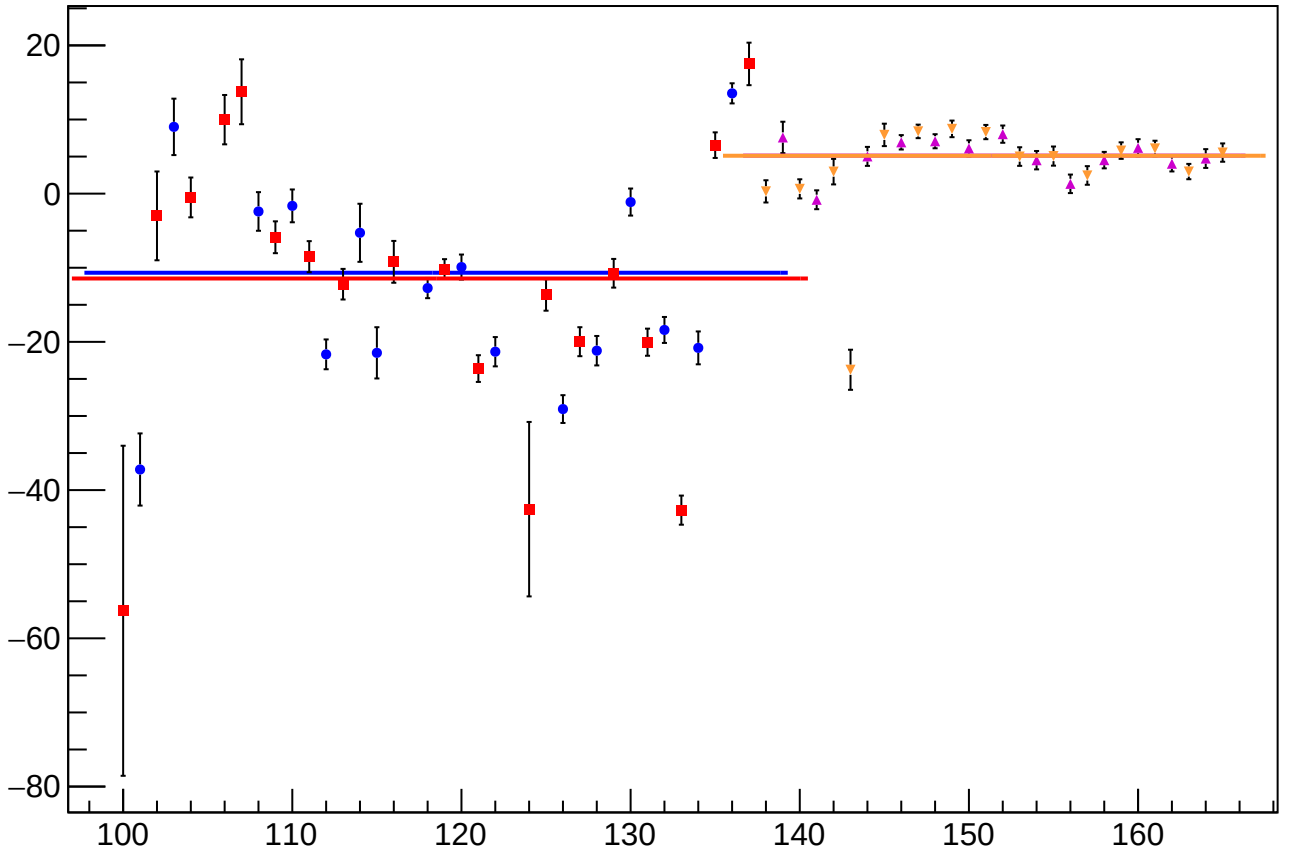
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.836+/-0.388 χ^2/NDF:94.5/12

+ sign -24.019+/-0.300 χ^2/NDF: 11596.0/30

All: -22.708+/-0.214 χ^2/NDF: 20075.8/62

- sign -21.354+/-0.305 χ^2/NDF: 8441.1/31



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.112+/-0.313 χ^2/NDF:185.8/14

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

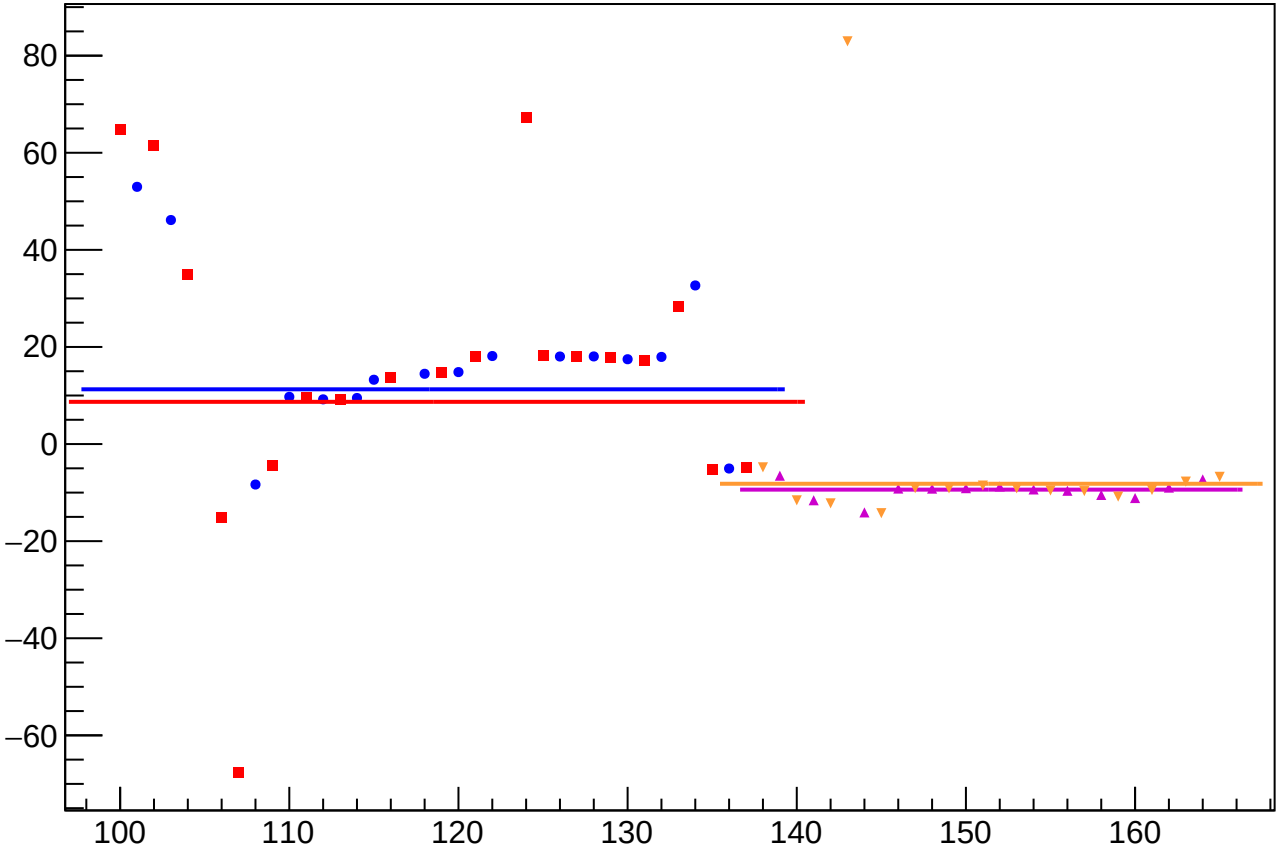
Left In: 5.129+/-0.323 χ^2/NDF:49.6/12

+ sign 0.738+/-0.266 χ^2/NDF: 1557.5/30

All: 0.601+/-0.191 χ^2/NDF: 3014.5/62

- sign 0.454+/-0.274 χ^2/NDF: 1456.4/31

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.179+/-0.014 χ^2/NDF:481001.0/14

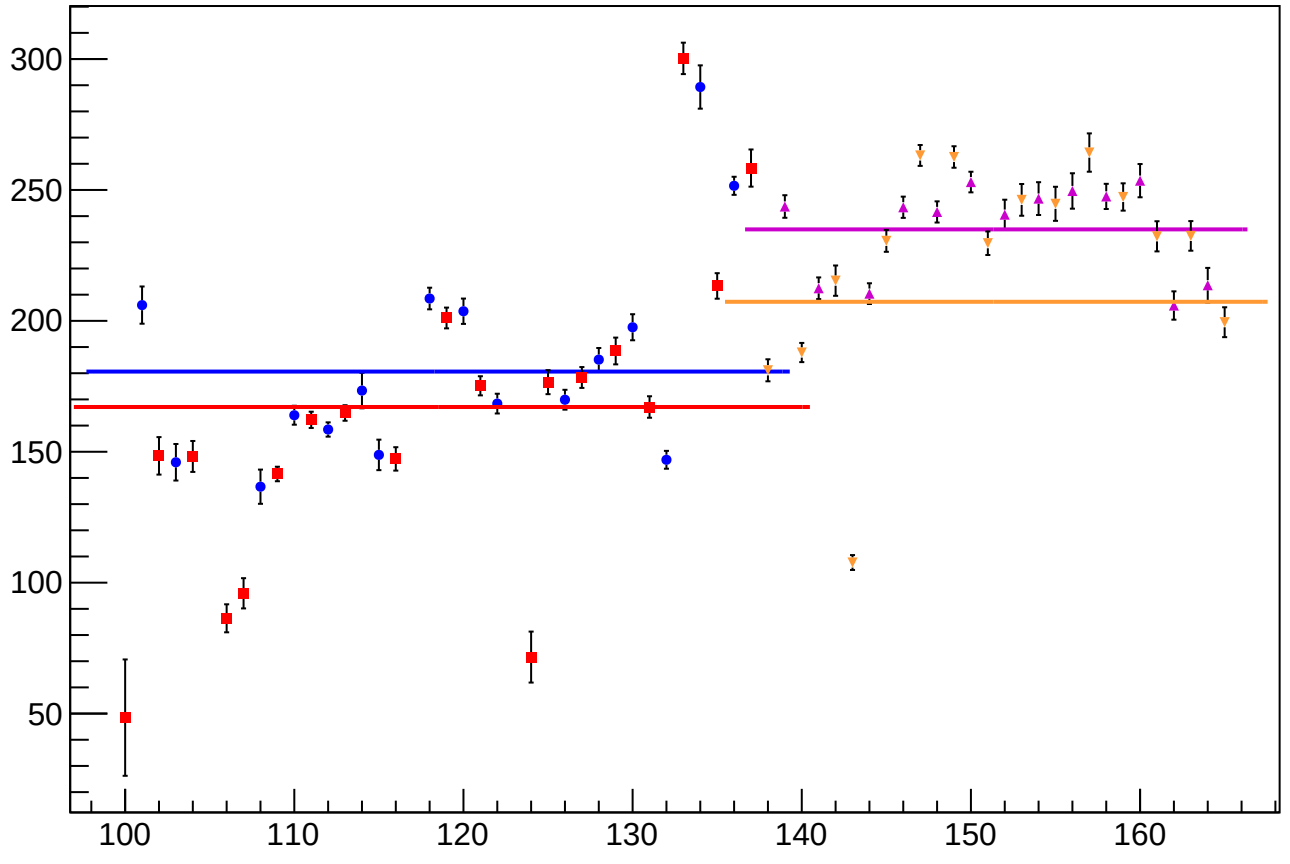
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.388+/-0.015 χ^2/NDF:13234.4/12

+ sign -4.545+/-0.013 χ^2/NDF: 1174167.8/30

All: -5.359+/-0.009 χ^2/NDF: 1904599.2/62

- sign -6.204+/-0.013 χ^2/NDF: 722366.4/31



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.286+/-1.185 χ^2/NDF:1964.7/14

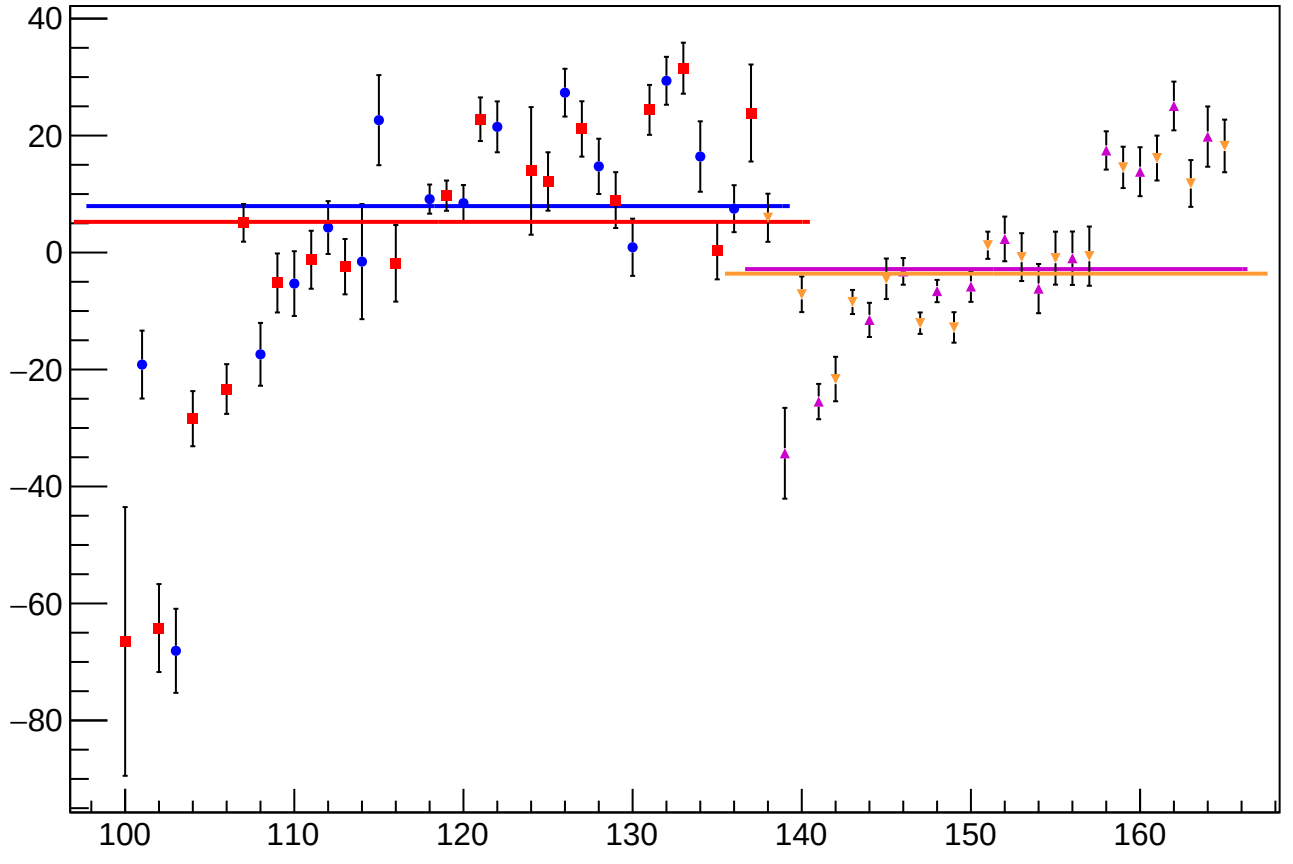
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

+ sign 192.842+/-0.802 χ^2/NDF: 3232.2/30

All: 192.552+/-0.570 χ^2/NDF: 6518.7/62

- sign 192.257+/-0.810 χ^2/NDF: 3286.3/31



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.611+/-0.792 χ^2/NDF:165.5/14

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

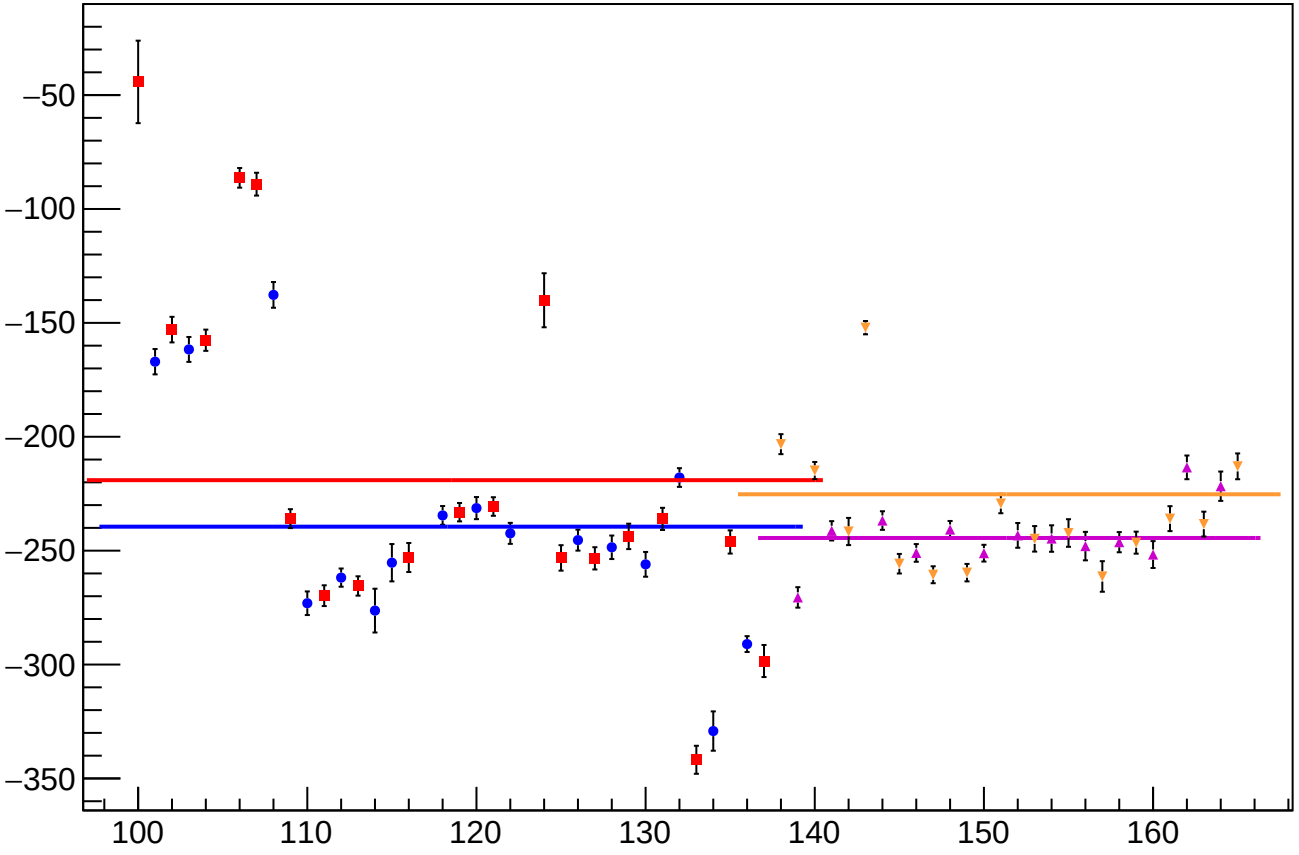
Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

\+ sign 0.275+/-0.646 χ^2/NDF: 469.9/30

All: 0.374+/-0.468 χ^2/NDF: 1014.6/62

\- sign 0.484+/-0.680 χ^2/NDF: 544.7/31

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.250+/-1.163 χ^2/NDF:971.2/14

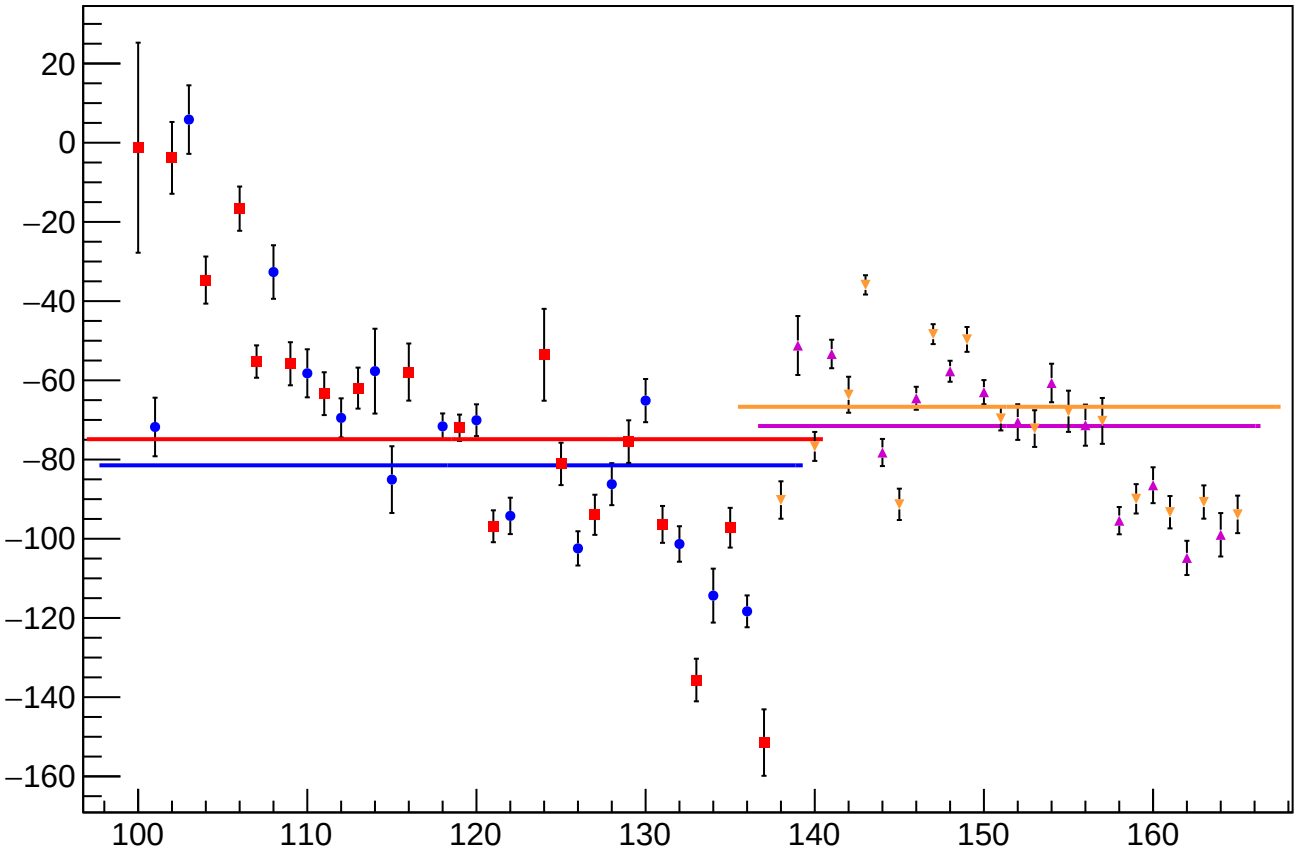
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -244.431+/-1.286 χ^2/NDF:94.9/12

+ sign -231.874+/-0.850 χ^2/NDF: 2203.1/30

All: -231.259+/-0.607 χ^2/NDF: 5560.5/62

- sign -230.617+/-0.868 χ^2/NDF: 3356.3/31



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -66.679+/-0.946 χ^2/NDF:463.9/14

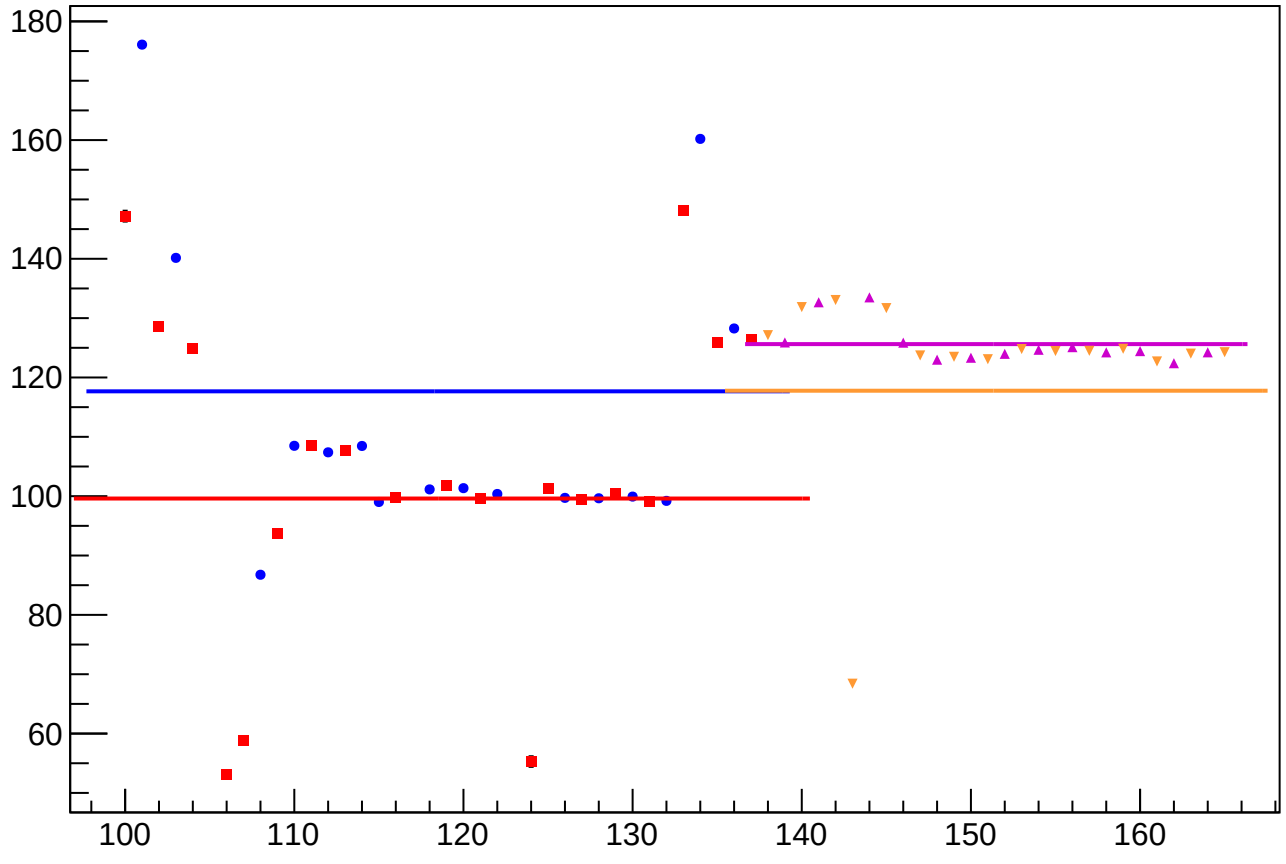
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

+ sign -71.866+/-0.762 χ^2/NDF: 916.1/30

All: -72.379+/-0.552 χ^2/NDF: 1724.2/62

- sign -72.946+/-0.801 χ^2/NDF: 807.2/31



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.769+/-0.046 χ^2/NDF:196446.0/14

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

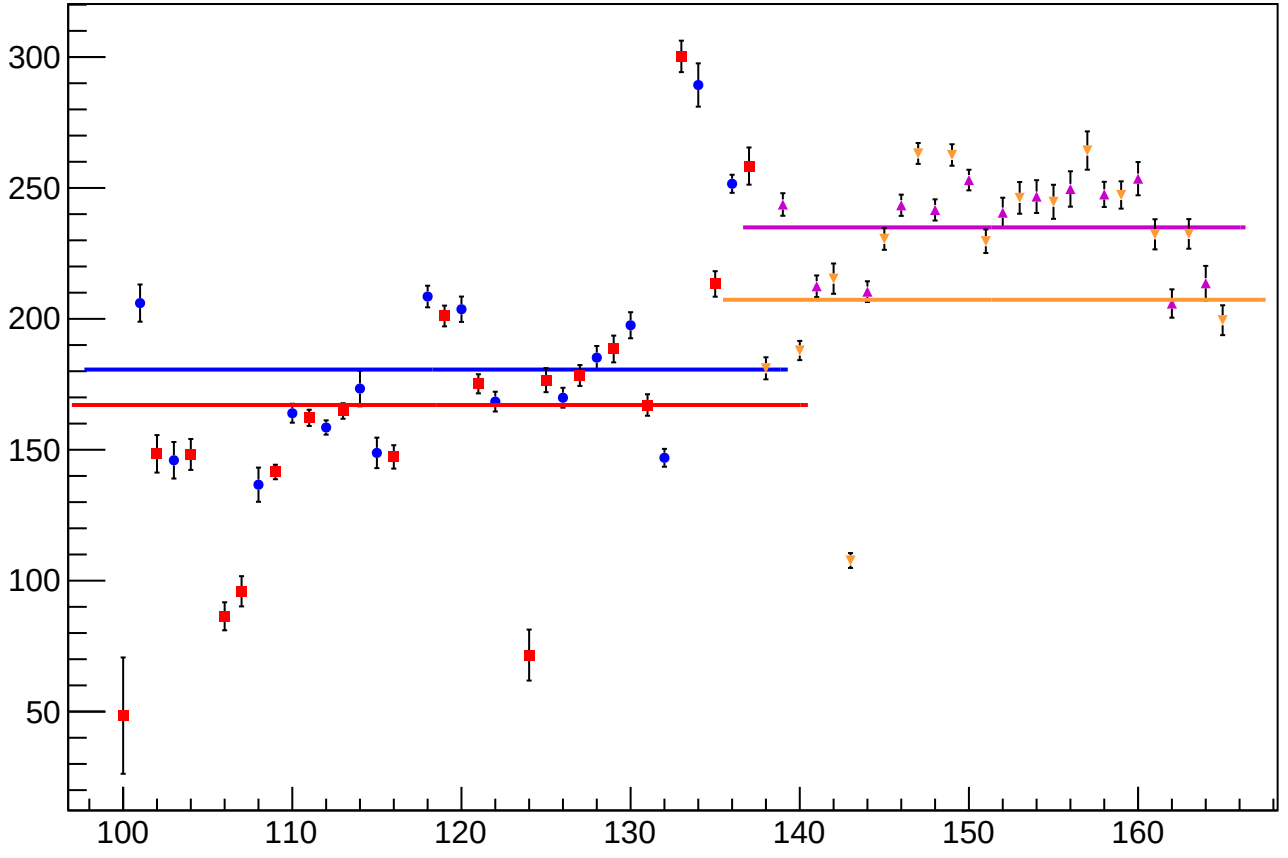
Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

+ sign 117.743+/-0.039 χ^2/NDF: 291844.4/30

All: 117.394+/-0.028 χ^2/NDF: 554533.4/62

- sign 117.028+/-0.040 χ^2/NDF: 262528.7/31

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.286+/-1.185 χ^2/NDF:1964.7/14

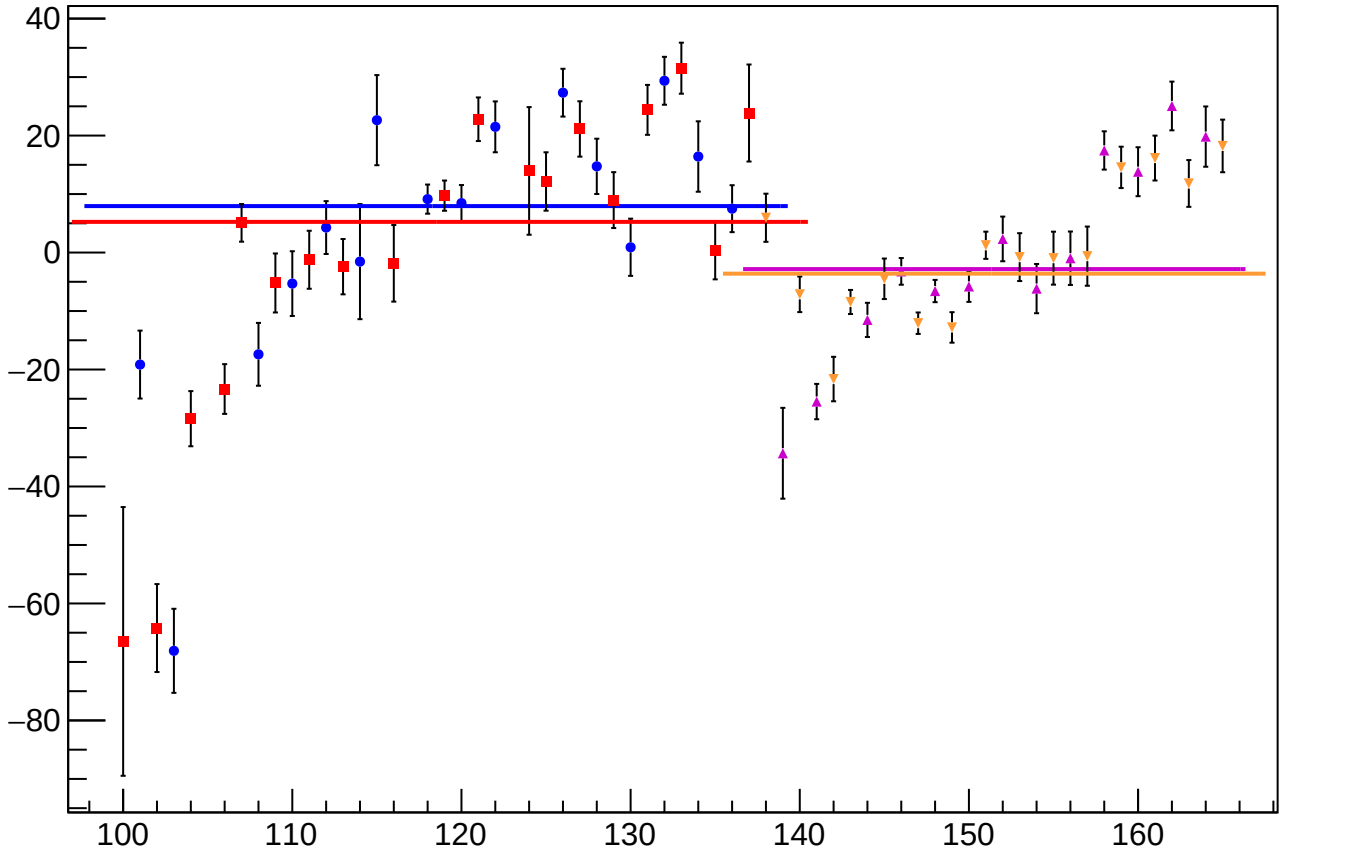
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

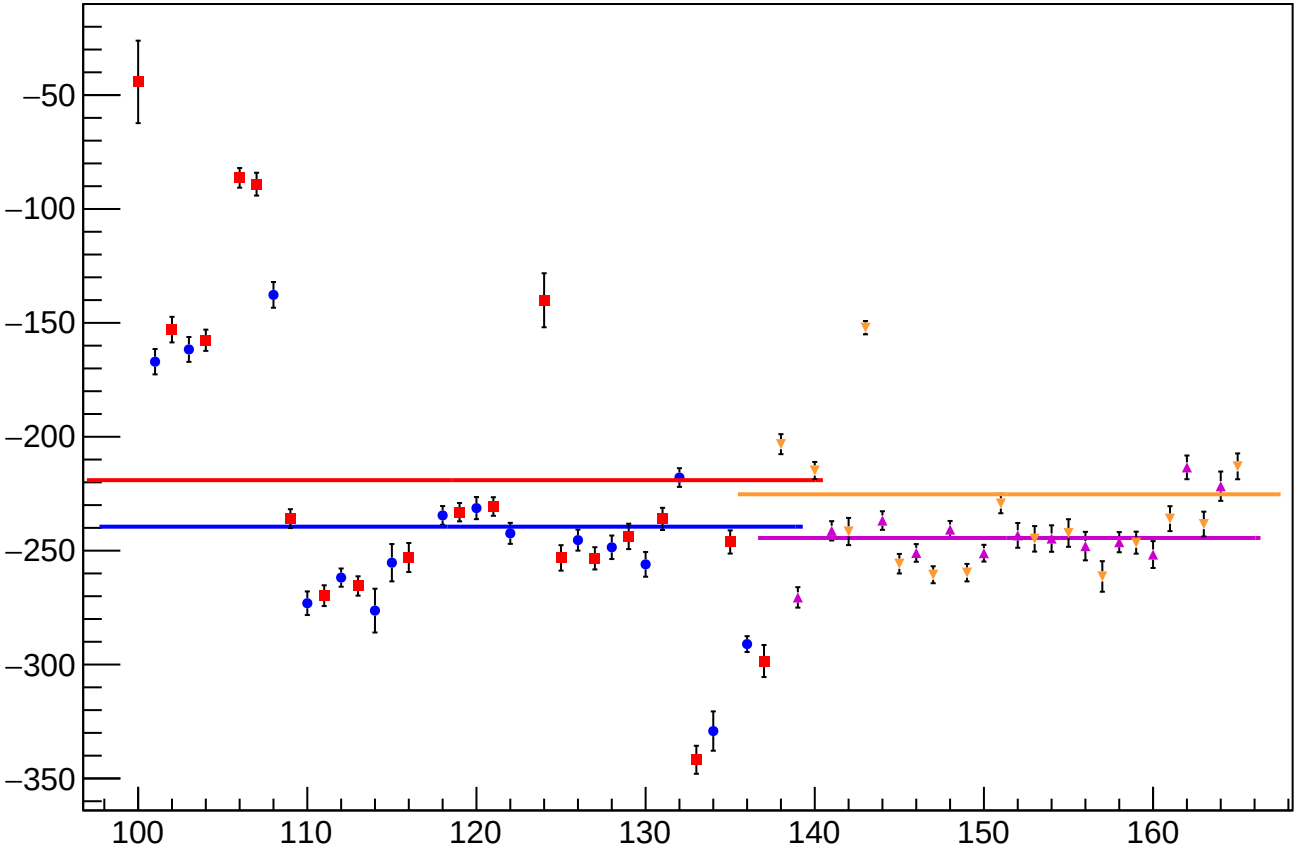
+ sign 192.842+/-0.802 χ^2/NDF: 3232.2/30

All: 192.552+/-0.570 χ^2/NDF: 6518.7/62

- sign 192.257+/-0.810 χ^2/NDF: 3286.3/31


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -3.611+/-0.792 χ²/NDF:165.5/14
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: -2.830+/-0.886 χ²/NDF:207.7/12
+ sign 0.275+/-0.646 χ²/NDF: 469.9/30
All: 0.374+/-0.468 χ²/NDF: 1014.6/62
- sign 0.484+/-0.680 χ²/NDF: 544.7/31

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: -225.250+/-1.163 χ^2/NDF:971.2/14

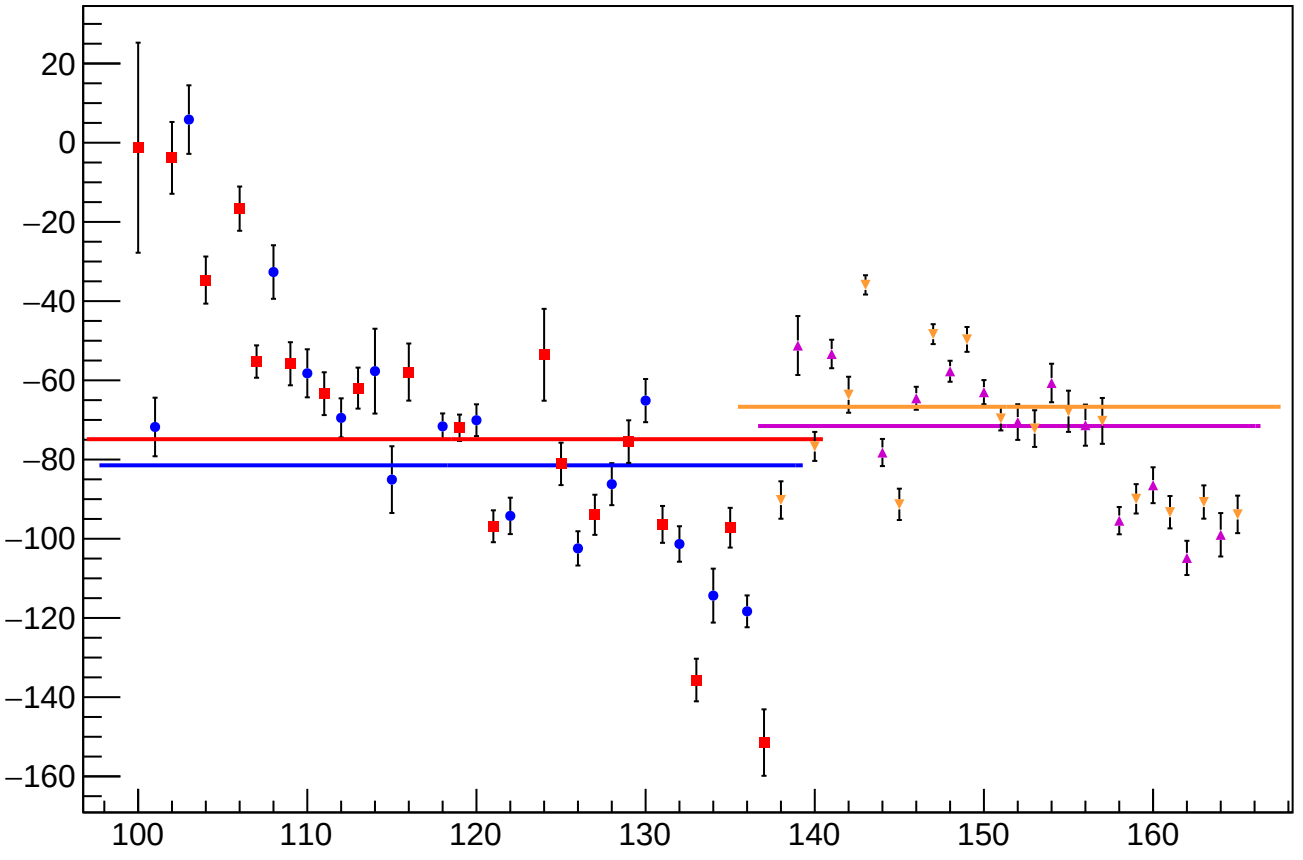
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -244.431+/-1.286 χ^2/NDF:94.9/12

+ sign -231.874+/-0.850 χ^2/NDF: 2203.1/30

All: -231.259+/-0.607 χ^2/NDF: 5560.5/62

- sign -230.617+/-0.868 χ^2/NDF: 3356.3/31



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -66.679+/-0.946 χ^2/NDF:463.9/14

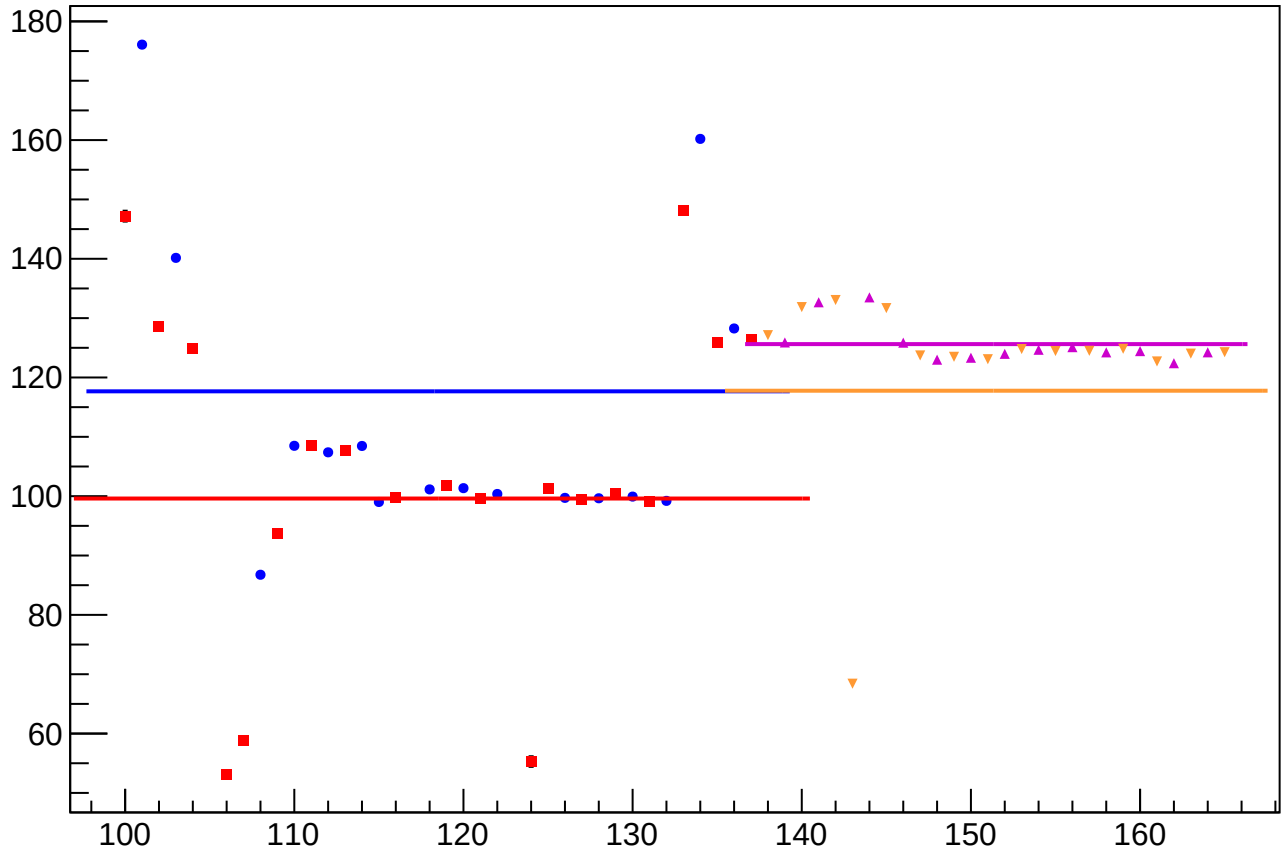
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

+ sign -71.866+/-0.762 χ^2/NDF: 916.1/30

All: -72.379+/-0.552 χ^2/NDF: 1724.2/62

- sign -72.946+/-0.801 χ^2/NDF: 807.2/31



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.769+/-0.046 χ^2/NDF:196446.0/14

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

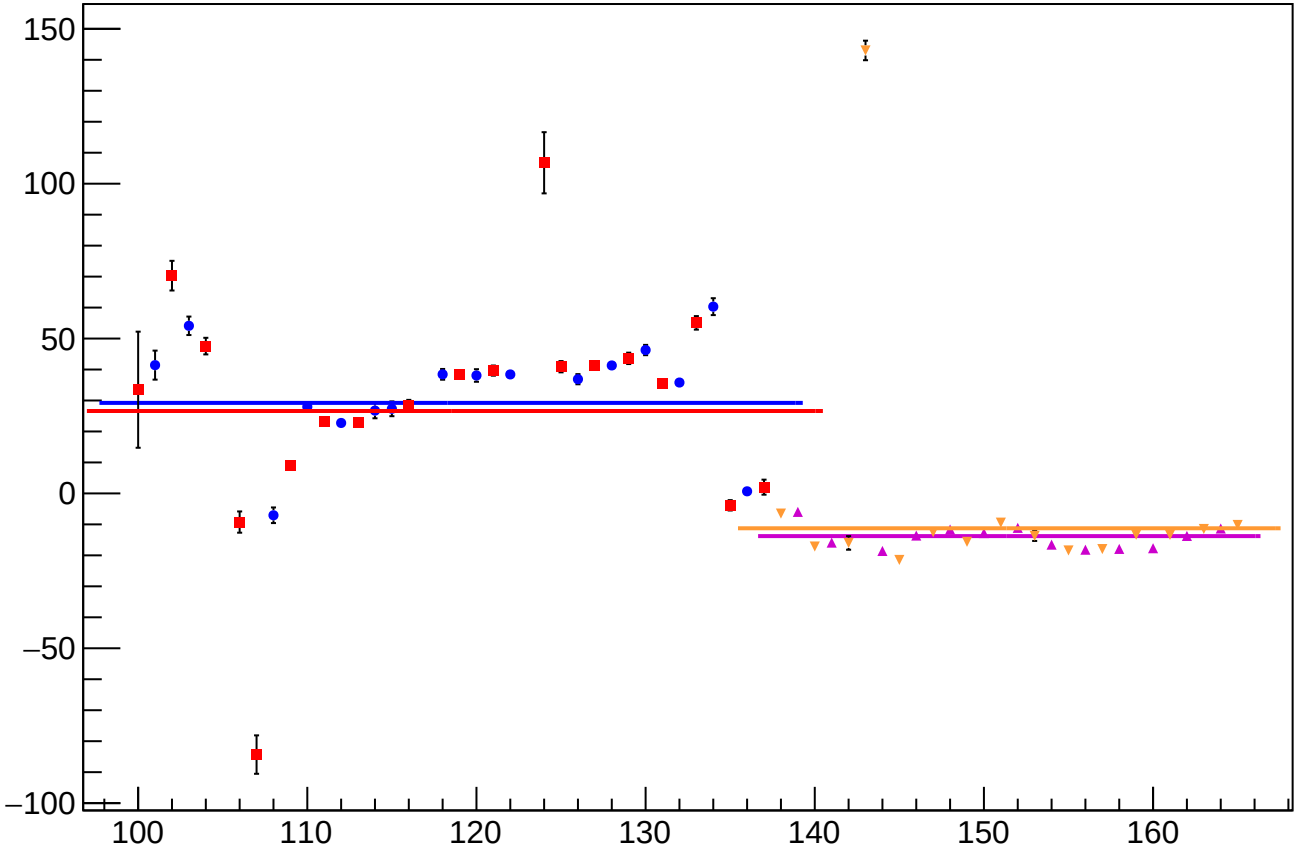
Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

+ sign 117.743+/-0.039 χ^2/NDF: 291844.4/30

All: 117.394+/-0.028 χ^2/NDF: 554533.4/62

- sign 117.028+/-0.040 χ^2/NDF: 262528.7/31

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.257+/-0.394 χ^2/NDF:2530.3/14

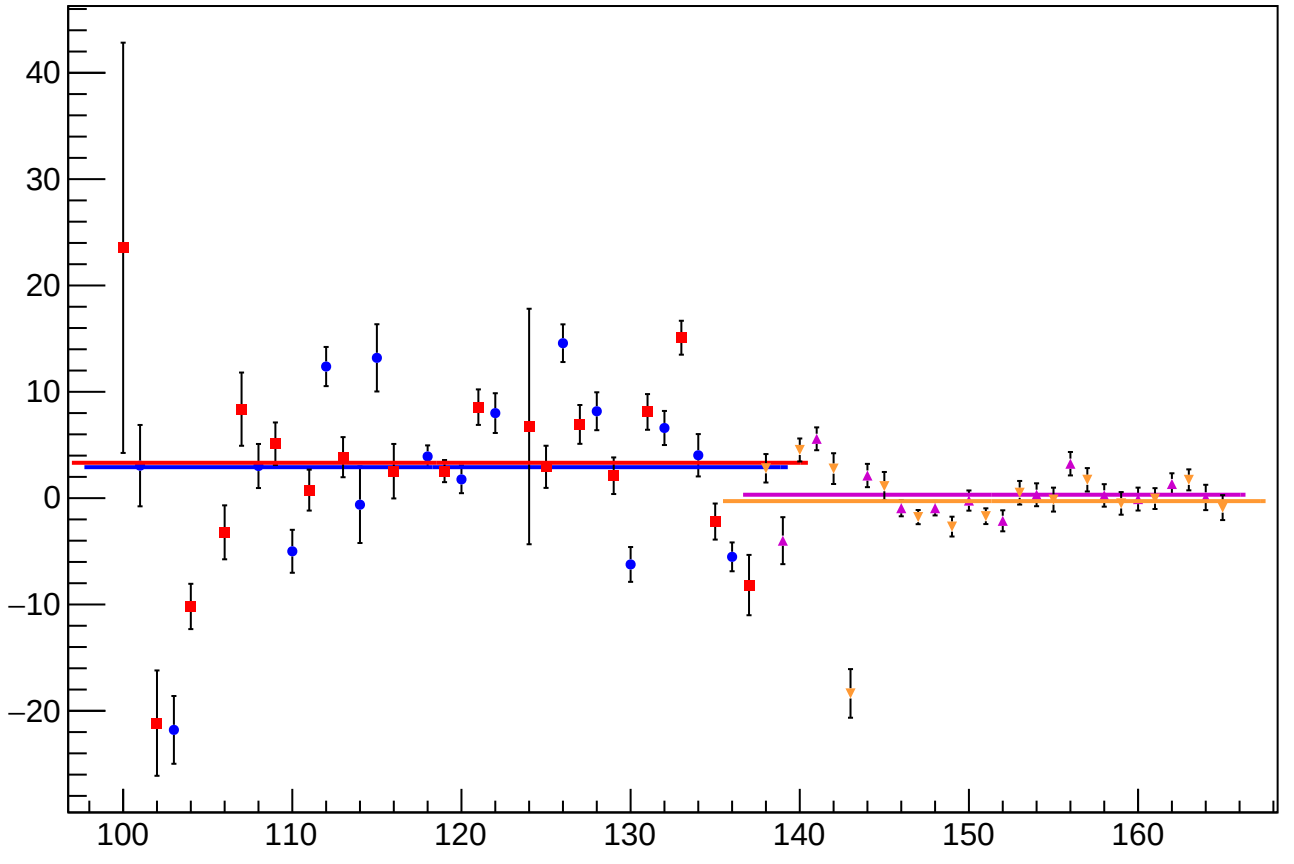
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.785+/-0.403 χ^2/NDF:85.2/12

+ sign 7.472+/-0.289 χ^2/NDF: 8766.5/30

All: 6.659+/-0.204 χ^2/NDF: 15679.6/62

- sign 5.845+/-0.289 χ^2/NDF: 6897.2/31



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.280+/-0.267 χ^2/NDF:117.0/14

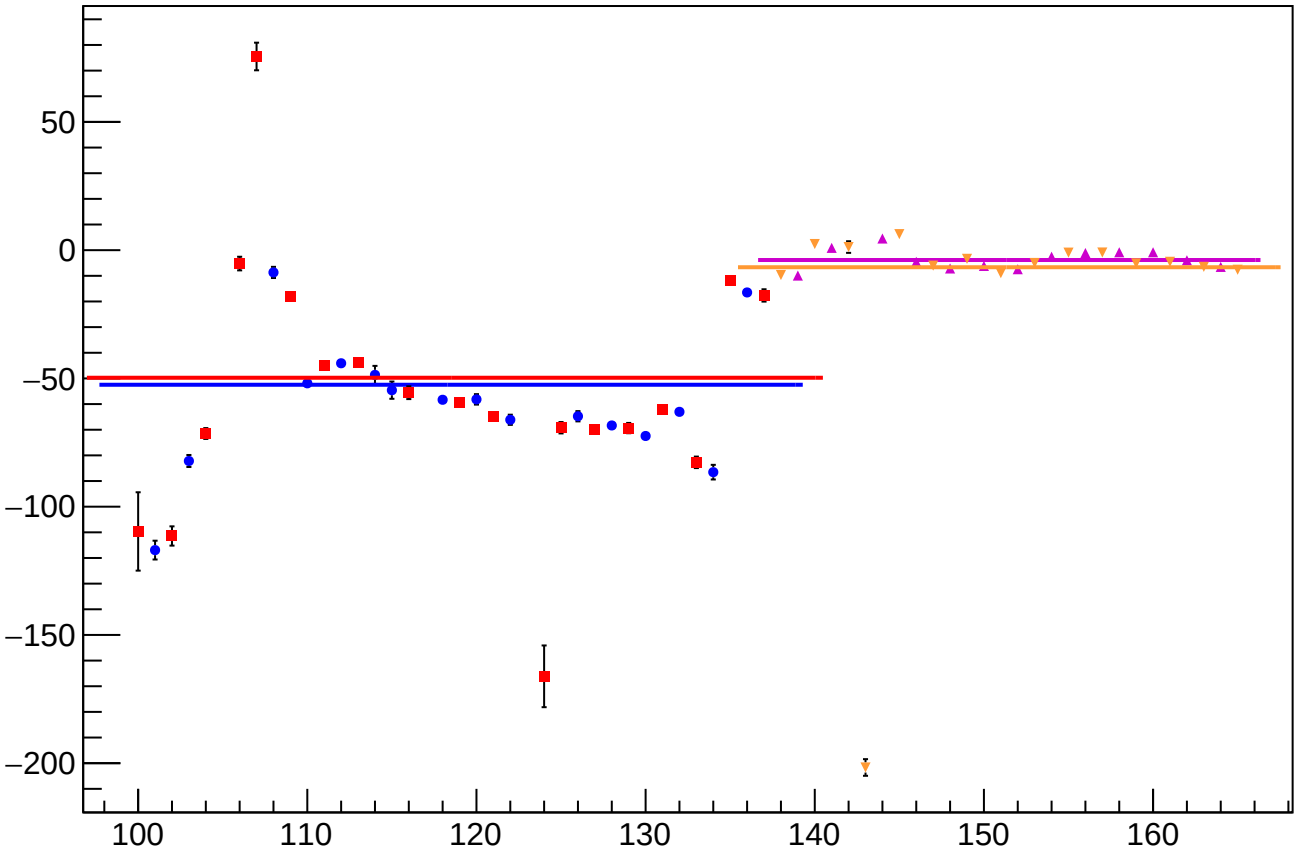
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.321+/-0.277 χ^2/NDF:51.4/12

+ sign 0.575+/-0.229 χ^2/NDF: 405.1/30

All: 0.847+/-0.164 χ^2/NDF: 673.1/62

- sign 1.138+/-0.236 χ^2/NDF: 265.1/31



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.653+/-0.381 χ^2/NDF:3788.2/14

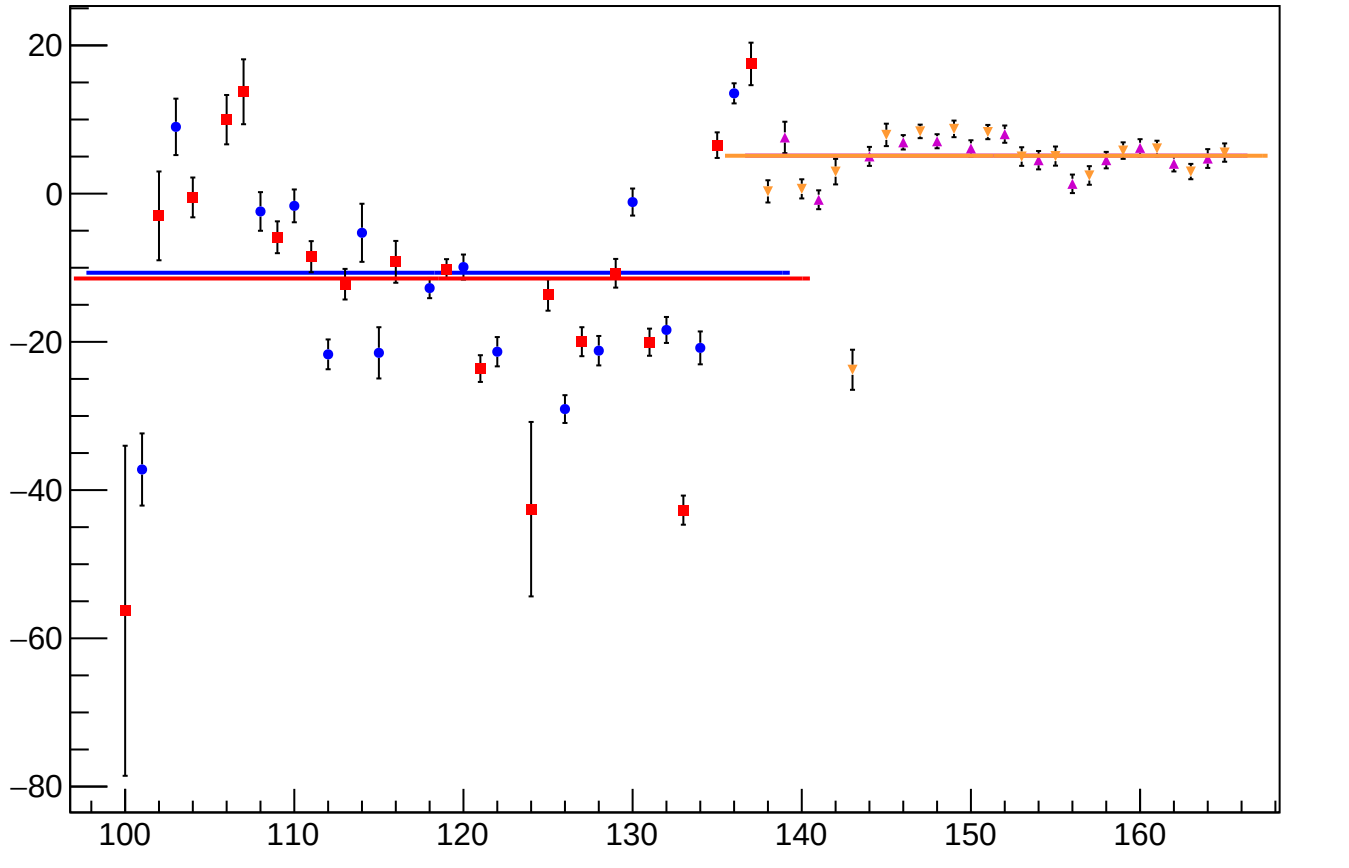
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

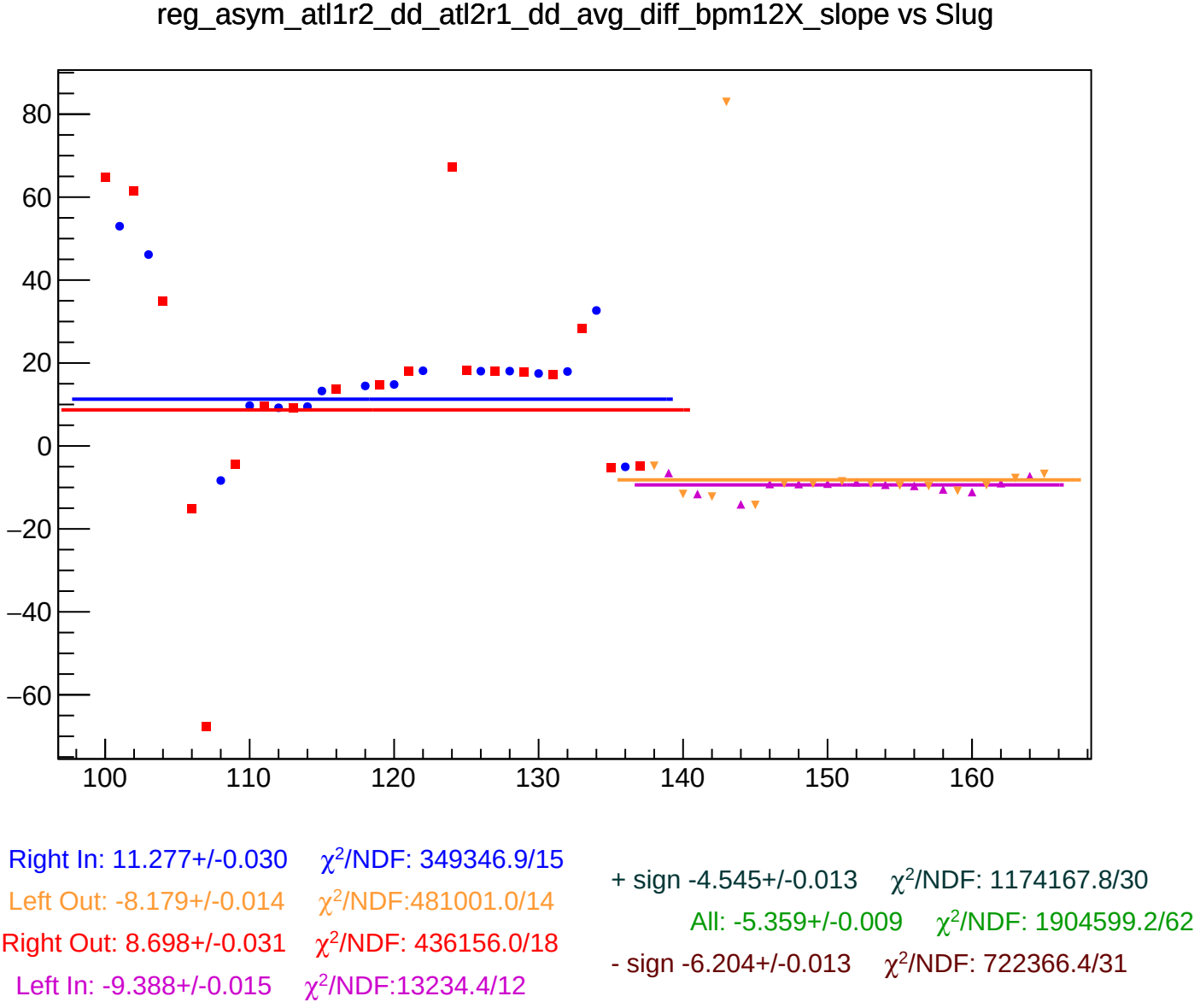
Left In: -3.836+/-0.388 χ^2/NDF:94.5/12

+ sign -24.019+/-0.300 χ^2/NDF: 11596.0/30

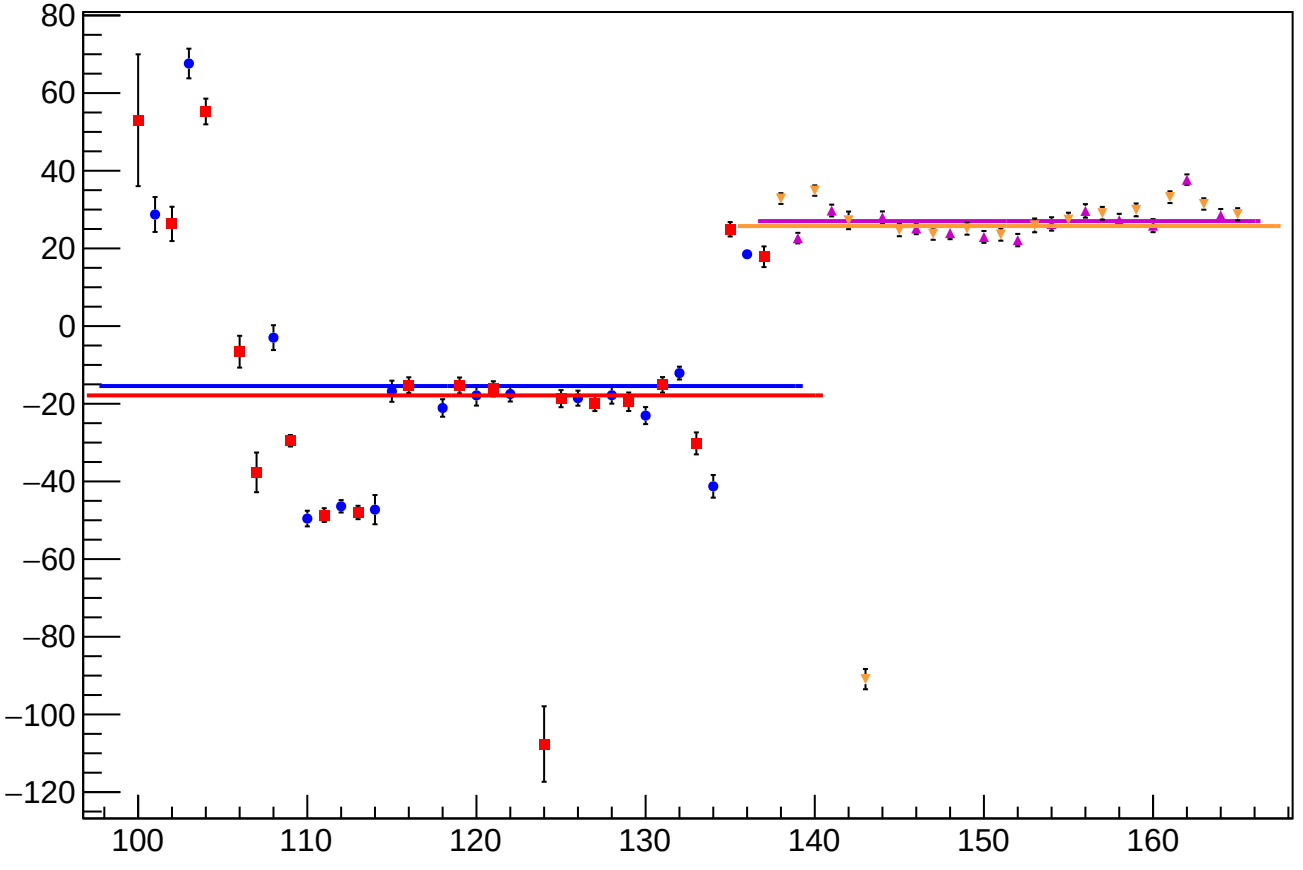
All: -22.708+/-0.214 χ^2/NDF: 20075.8/62

- sign -21.354+/-0.305 χ^2/NDF: 8441.1/31


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 5.112+/-0.313 χ²/NDF:185.8/14
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 5.129+/-0.323 χ²/NDF:49.6/12
+ sign 0.738+/-0.266 χ²/NDF: 1557.5/30
All: 0.601+/-0.191 χ²/NDF: 3014.5/62
- sign 0.454+/-0.274 χ²/NDF: 1456.4/31


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
Right In: 11.277+/-0.030 χ²/NDF: 349346.9/15
Left Out: -8.179+/-0.014 χ²/NDF:481001.0/14
Right Out: 8.698+/-0.031 χ²/NDF: 436156.0/18
Left In: -9.388+/-0.015 χ²/NDF:13234.4/12
+ sign -4.545+/-0.013 χ²/NDF: 1174167.8/30
All: -5.359+/-0.009 χ²/NDF: 1904599.2/62
- sign -6.204+/-0.013 χ²/NDF: 722366.4/31

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.756+/-0.420 χ^2/NDF:2125.2/14

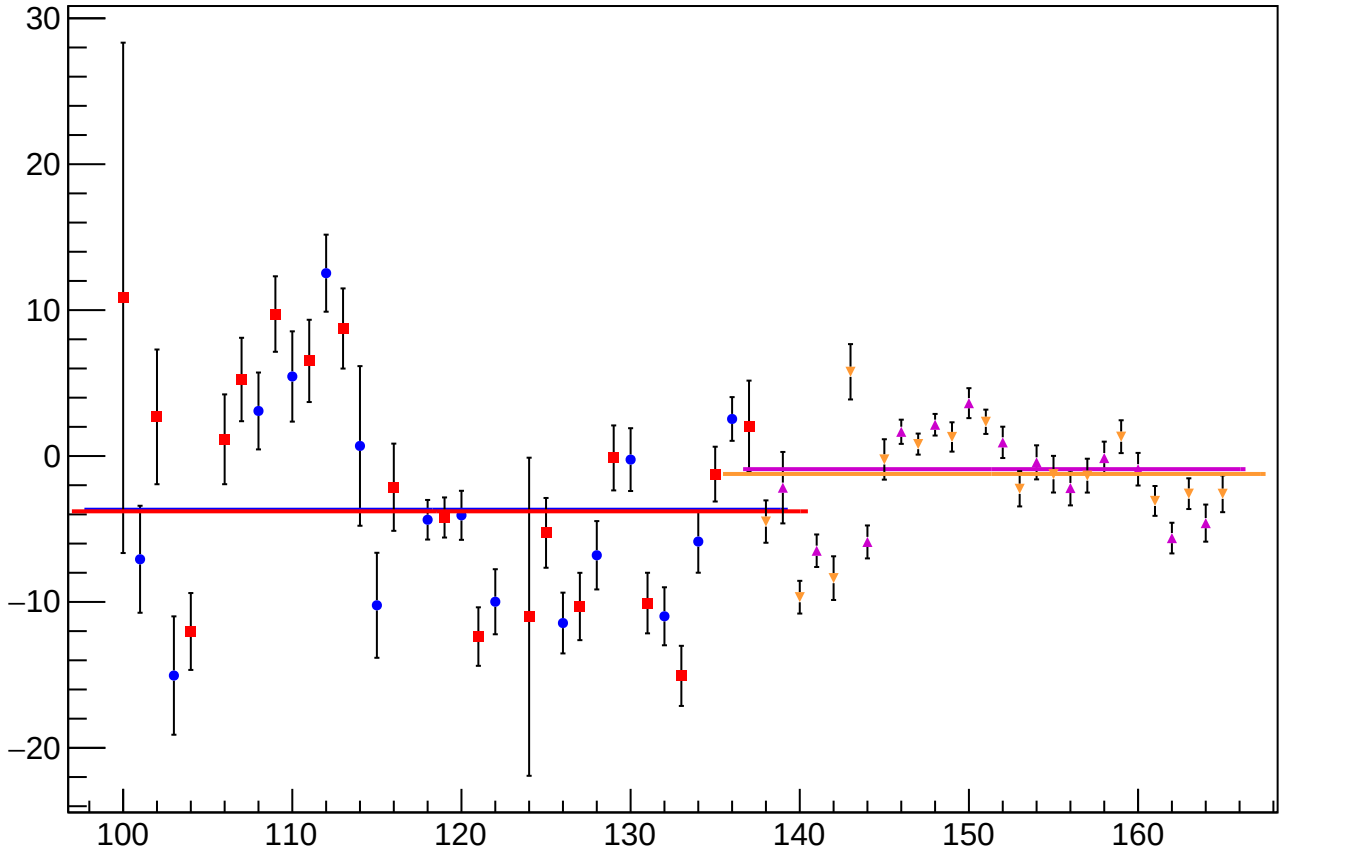
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.035+/-0.431 χ^2/NDF:101.1/12

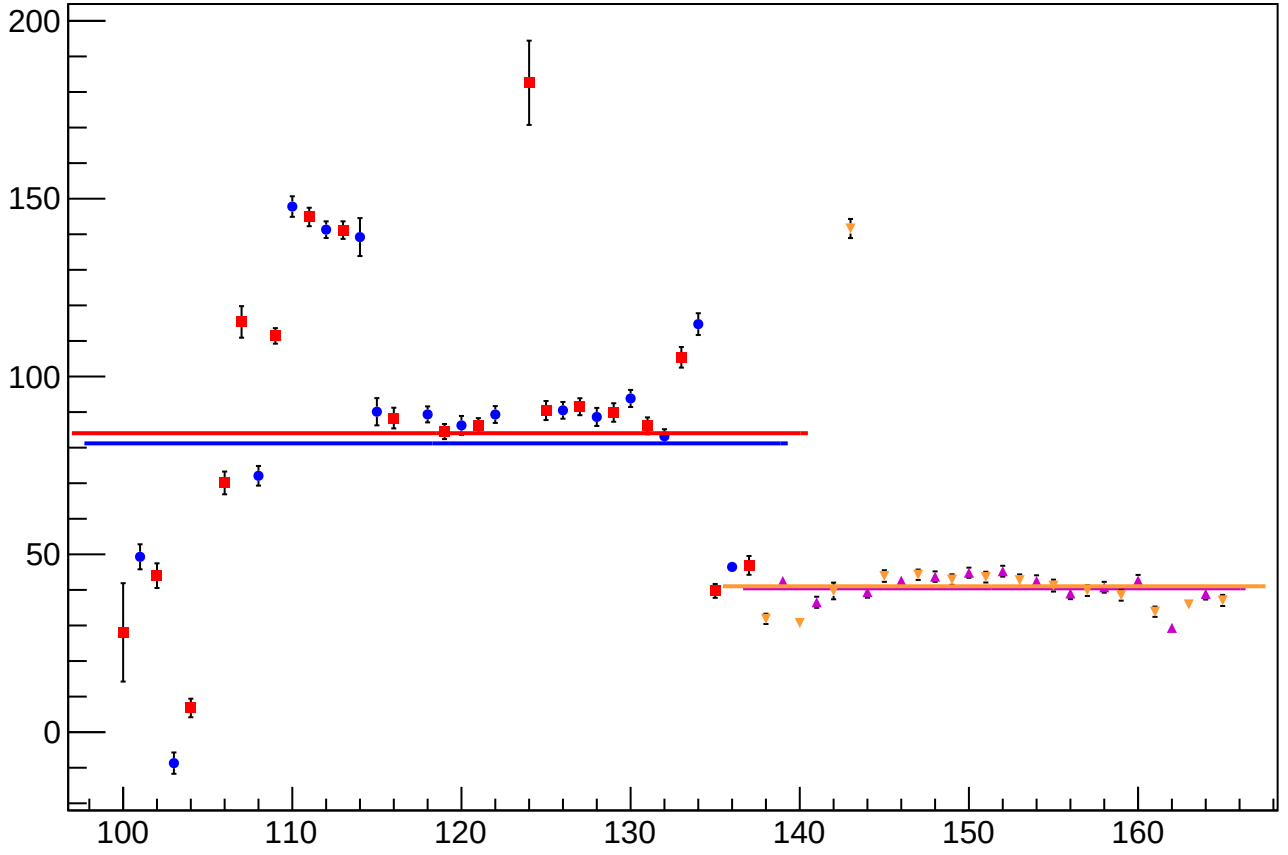
+ sign 10.204+/-0.331 χ^2/NDF: 7884.6/30

All: 9.690+/-0.235 χ^2/NDF: 14438.2/62

- sign 9.167+/-0.334 χ^2/NDF: 6548.8/31


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.229+/-0.286 χ²/NDF:143.5/14
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.899+/-0.296 χ²/NDF:124.2/12
+ sign -1.748+/-0.254 χ²/NDF: 283.0/30
All: -1.640+/-0.182 χ²/NDF: 589.4/62
- sign -1.524+/-0.262 χ²/NDF: 306.0/31

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: 41.025+/-0.407 χ^2/NDF:1559.1/14

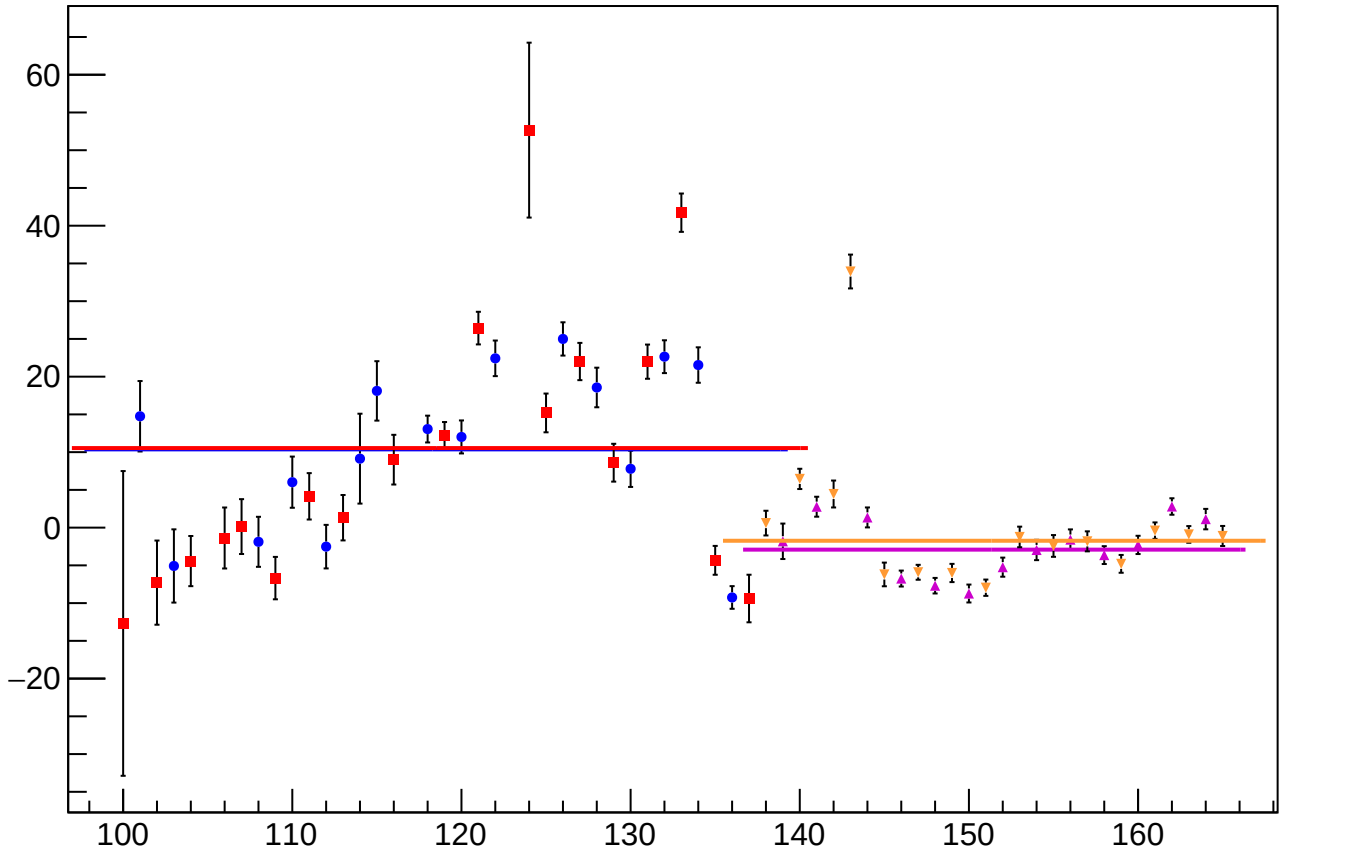
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

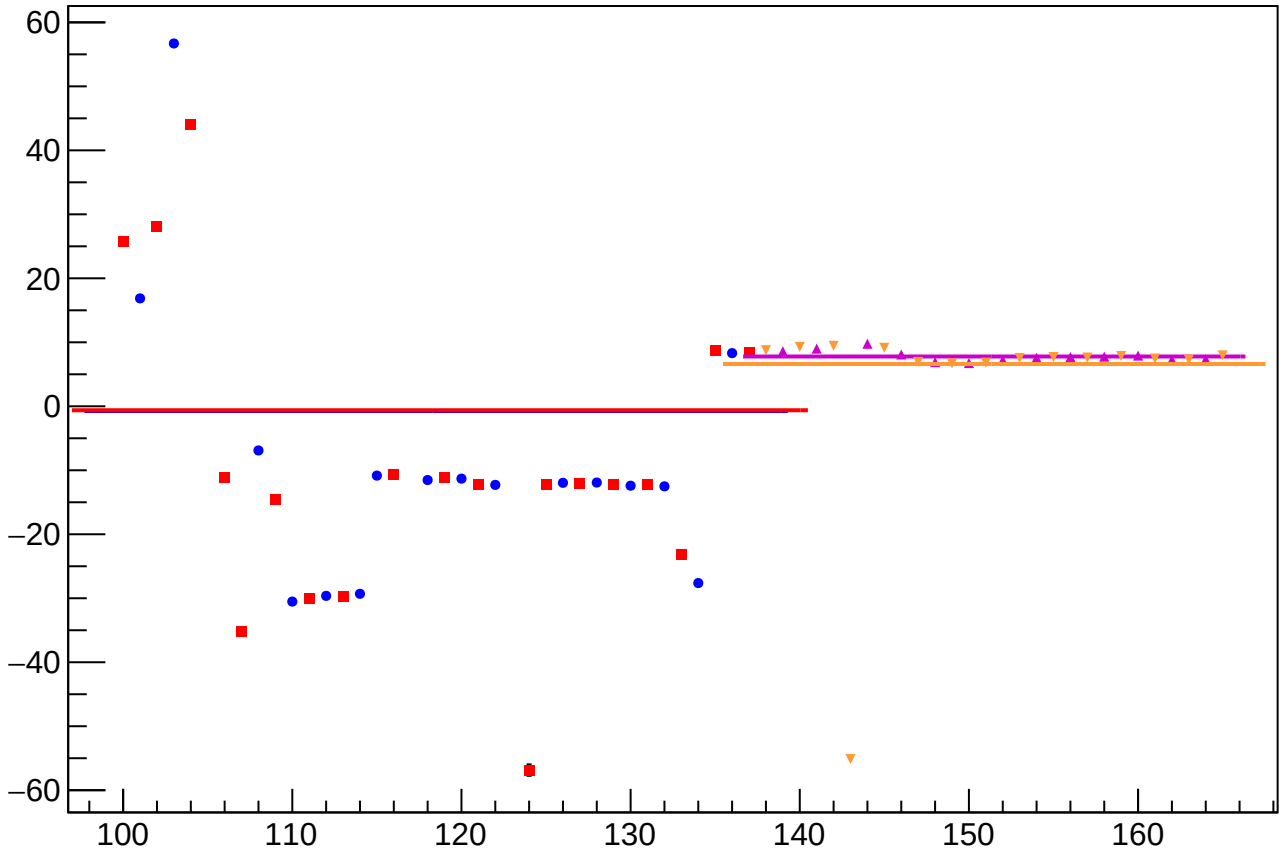
Left In: 40.450+/-0.415 χ^2/NDF:113.1/12

+ sign 53.480+/-0.338 χ^2/NDF: 7812.1/30

All: 53.771+/-0.241 χ^2/NDF: 14577.5/62

- sign 54.073+/-0.344 χ^2/NDF: 6763.9/31


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.739+/-0.334 χ²/NDF:385.7/14
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.916+/-0.345 χ²/NDF:129.2/12
+ sign 0.943+/-0.295 χ²/NDF: 1036.2/30
All: 0.542+/-0.212 χ²/NDF: 1982.0/62
- sign 0.116+/-0.304 χ²/NDF: 942.0/31



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.607+/-0.015 χ^2/NDF:313660.3/14

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

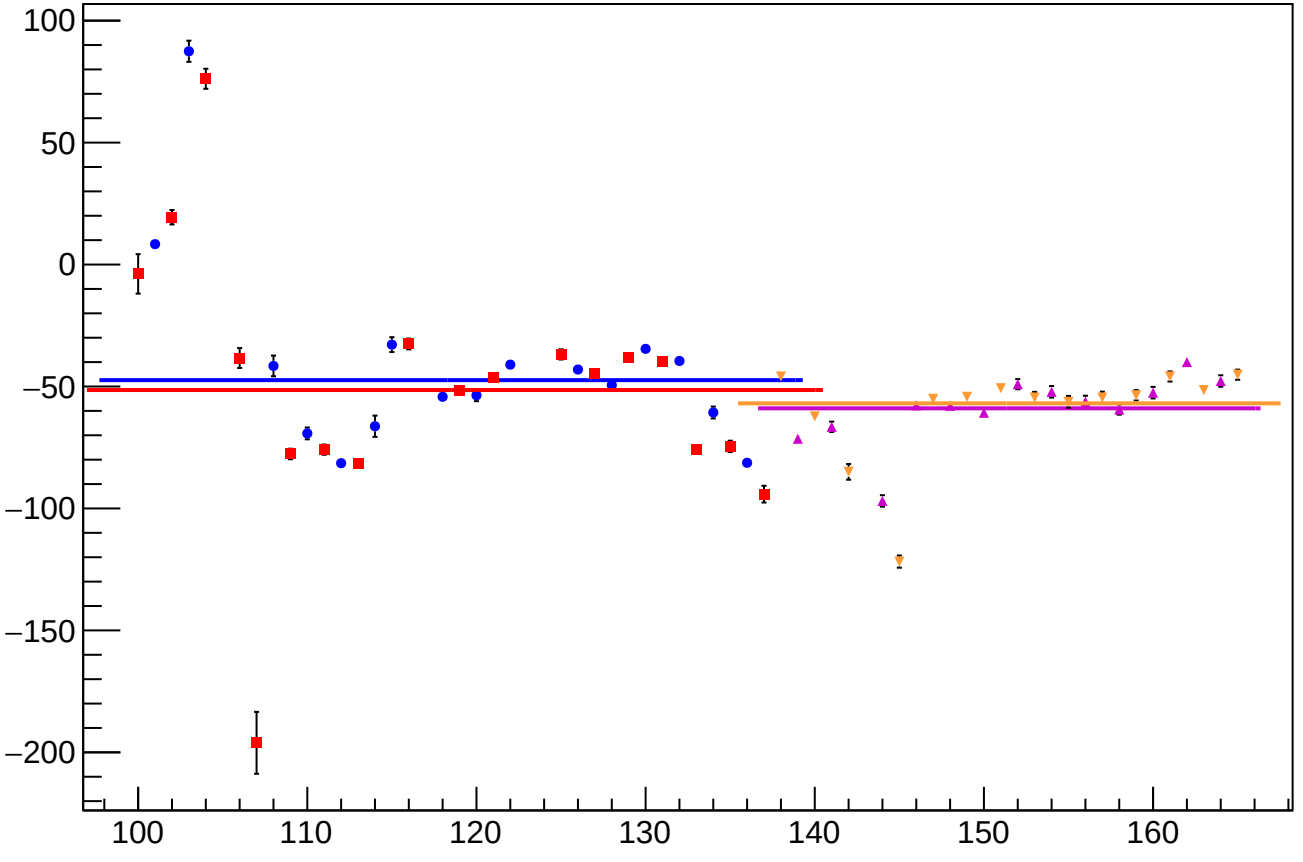
Left In: 7.780+/-0.016 χ^2/NDF:2291.6/12

+ sign 5.471+/-0.014 χ^2/NDF: 717150.9/30

All: 5.994+/-0.010 χ^2/NDF: 1081864.1/62

- sign 6.537+/-0.014 χ^2/NDF: 361905.9/31

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -56.901+/-0.565 χ^2/NDF:884.1/13

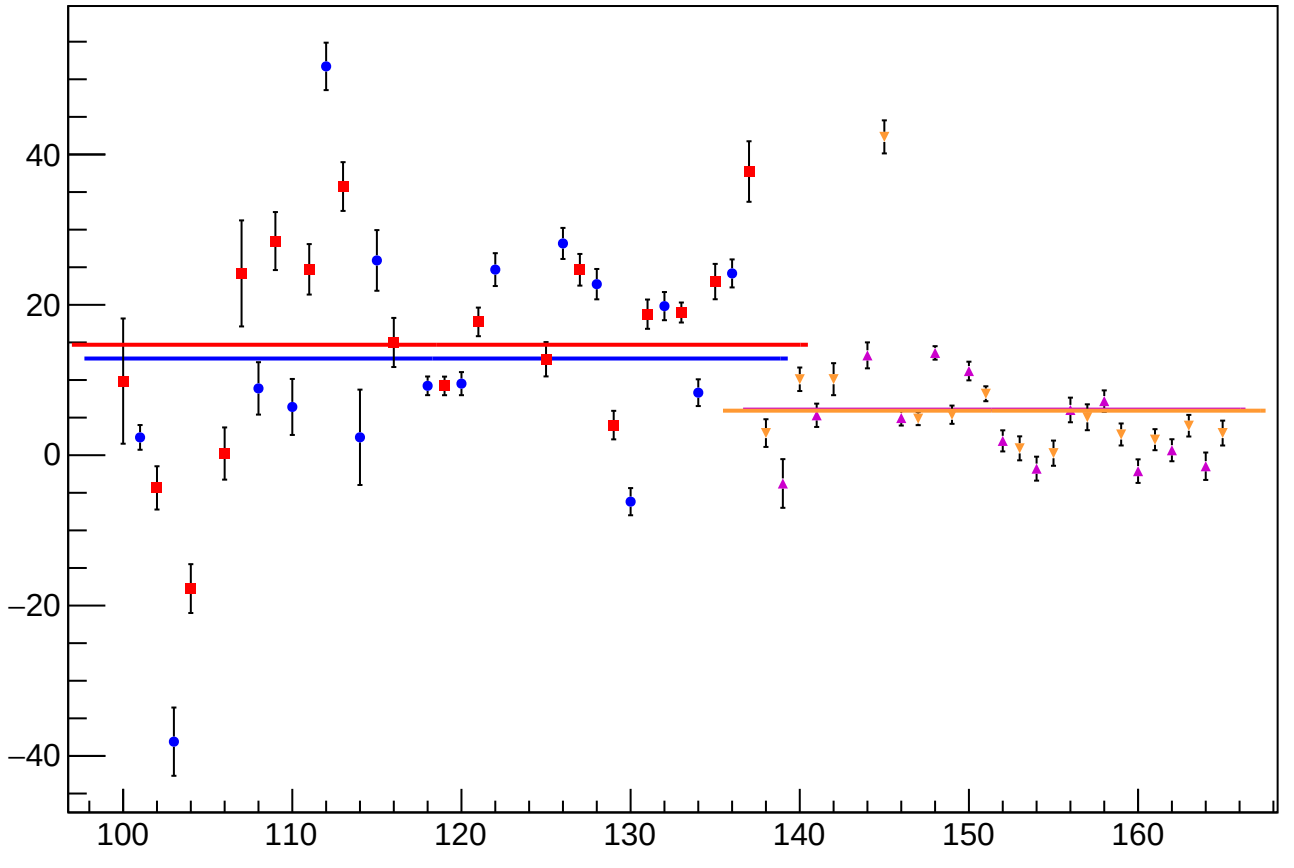
Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -58.954+/-0.574 χ^2/NDF:486.5/12

+ sign -51.891+/-0.389 χ^2/NDF: 3802.3/29

All: -53.423+/-0.277 χ^2/NDF: 7283.2/60

- sign -55.007+/-0.395 χ^2/NDF: 3449.3/30



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.924+/-0.376 χ^2/NDF:333.6/13

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

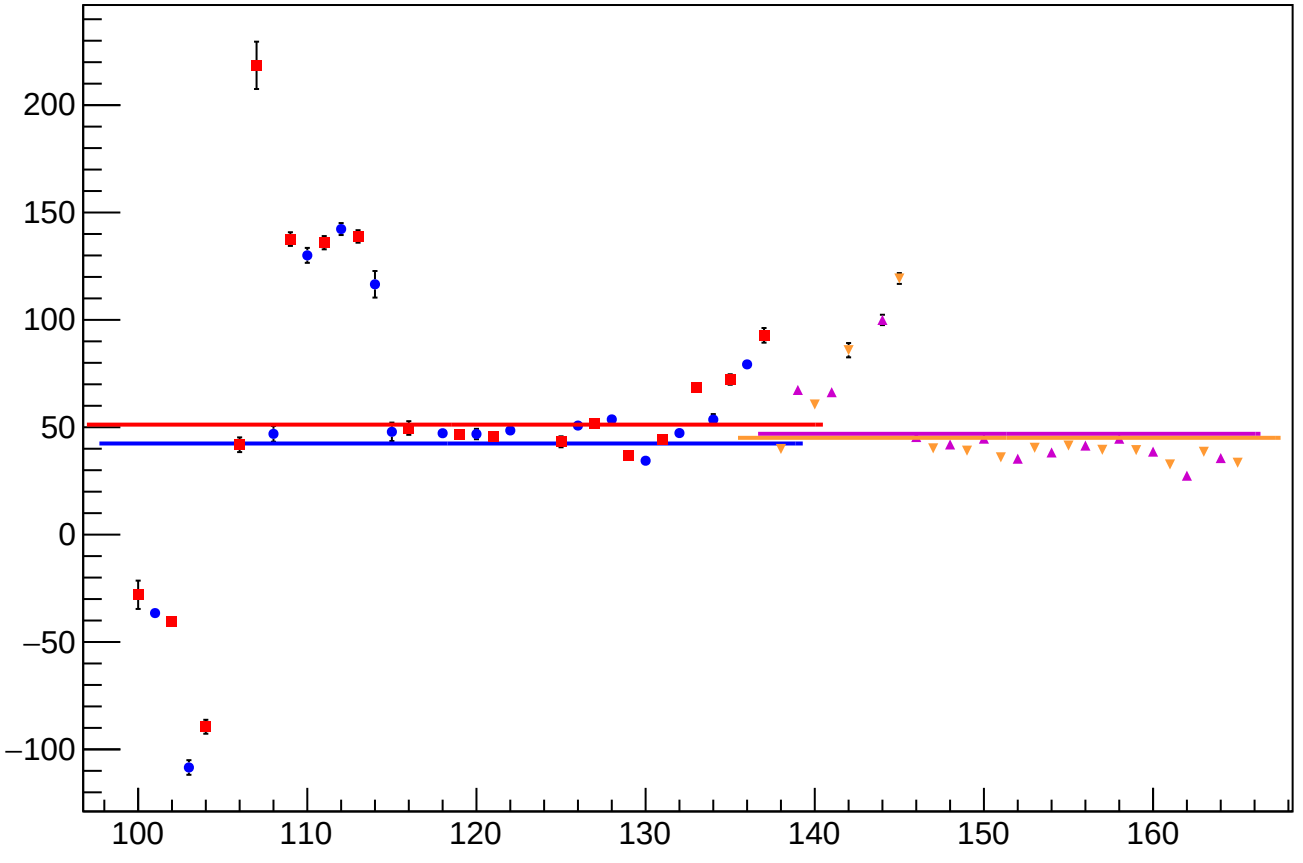
Left In: 6.063+/-0.387 χ^2/NDF:207.7/12

+ sign 8.313+/-0.304 χ^2/NDF: 1076.3/29

All: 8.626+/-0.219 χ^2/NDF: 1817.2/60

- sign 8.962+/-0.315 χ^2/NDF: 738.7/30

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 45.080+/-0.546 χ^2/NDF:1238.0/13

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

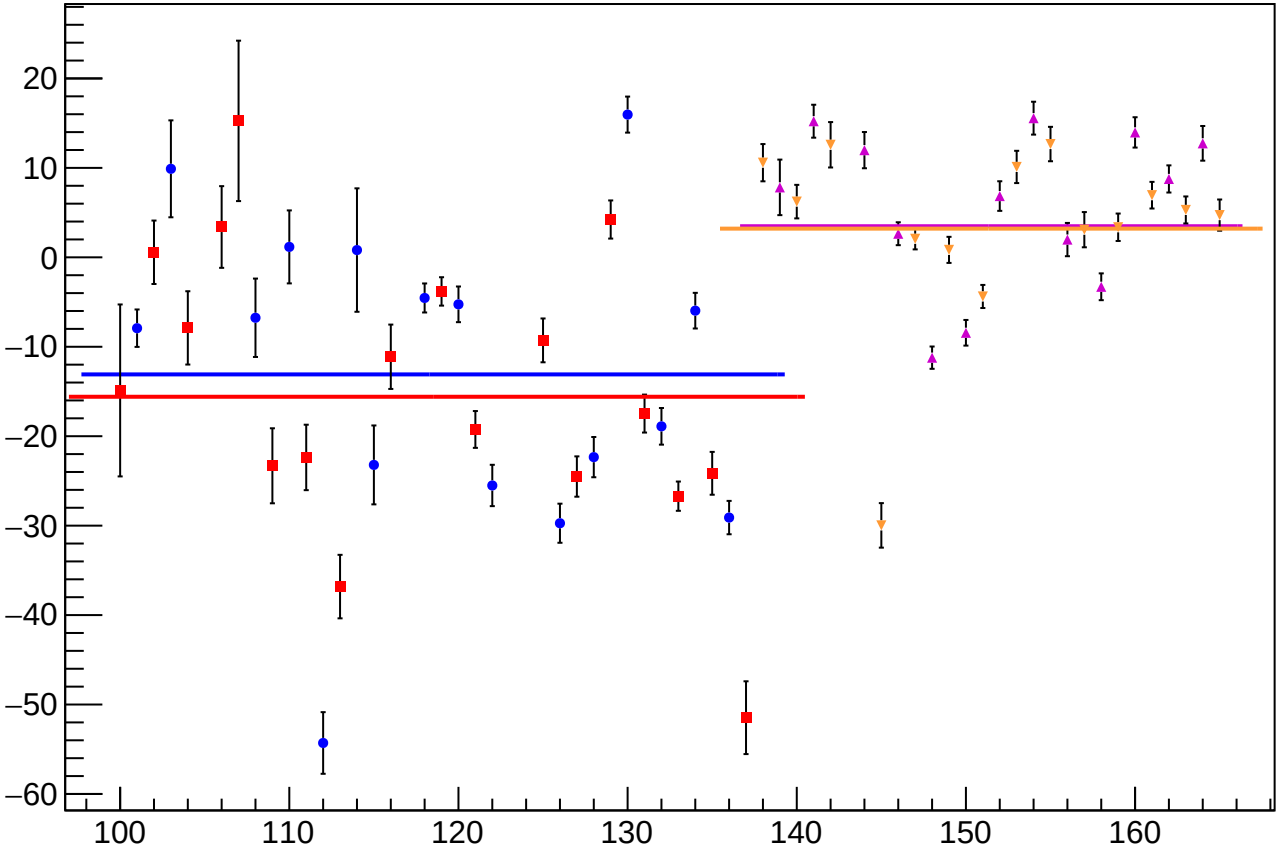
Left In: 46.947+/-0.552 χ^2/NDF:900.6/12

+ sign 43.849+/-0.399 χ^2/NDF: 8417.8/29

All: 46.279+/-0.286 χ^2/NDF: 16033.1/60

- sign 48.856+/-0.411 χ^2/NDF: 7538.7/30

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.208+/-0.443 χ^2/NDF:292.2/13

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

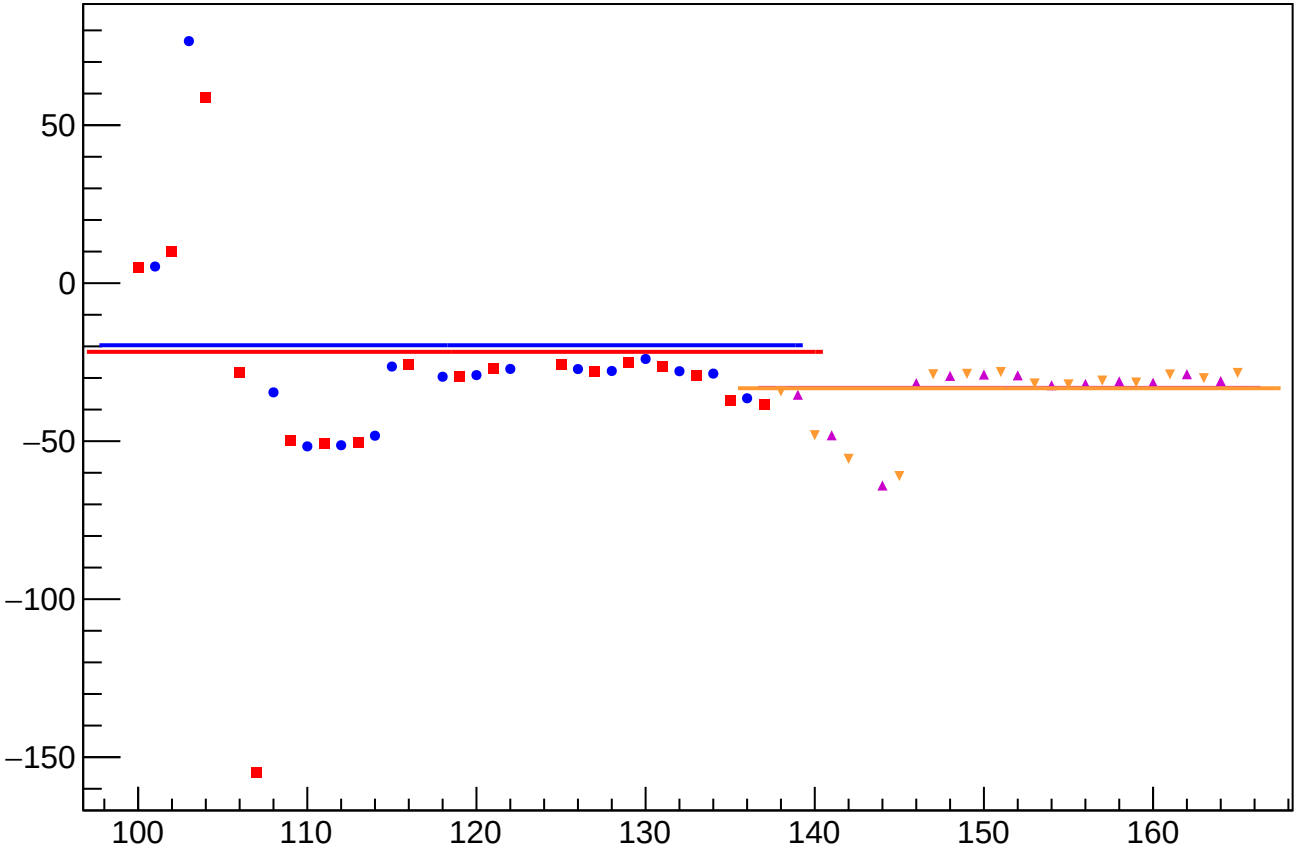
Left In: 3.478+/-0.455 χ^2/NDF:410.2/12

+ sign -2.547+/-0.356 χ^2/NDF: 1409.9/29

All: -2.818+/-0.256 χ^2/NDF: 2828.8/60

- sign -3.107+/-0.368 χ^2/NDF: 1417.8/30

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -33.248+/-0.021 χ^2/NDF:159822.6/13

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

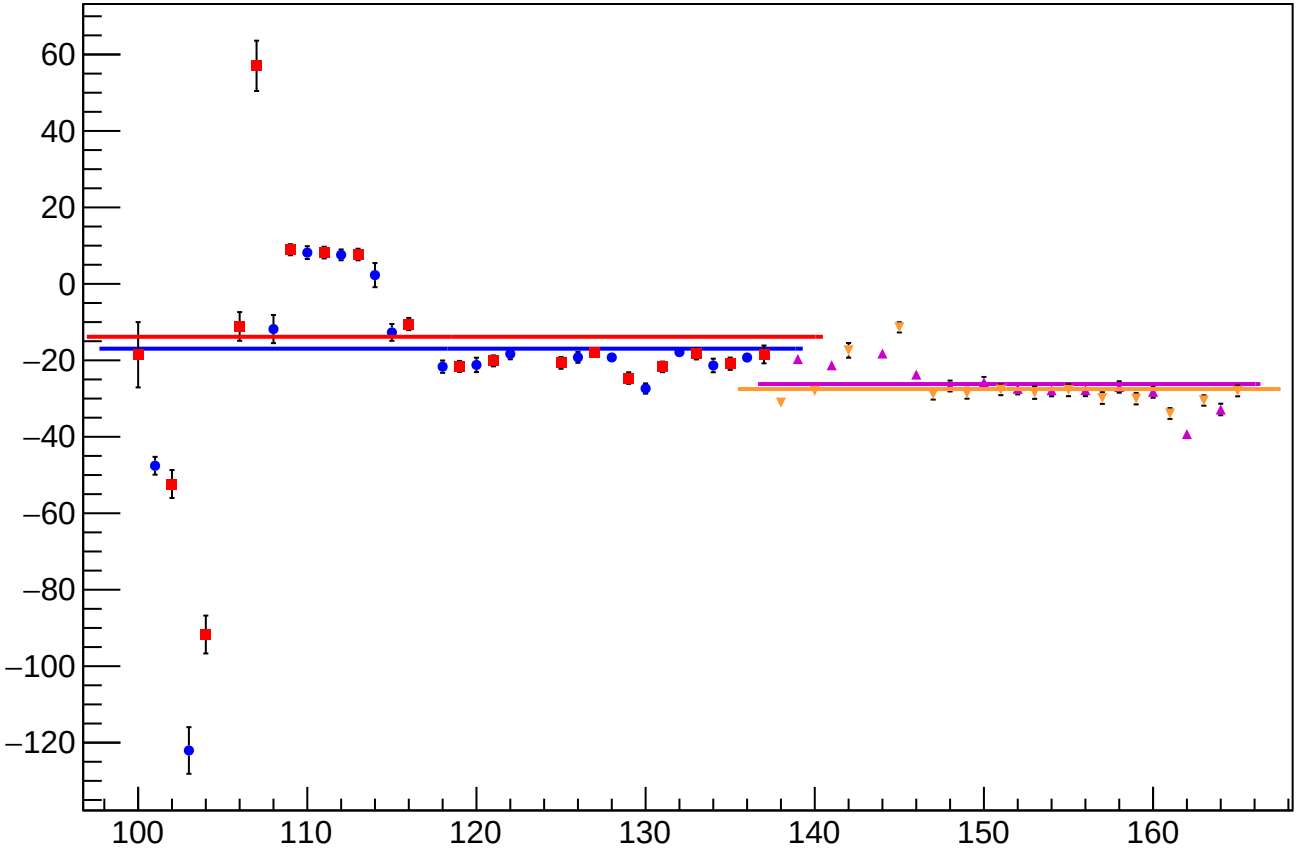
Left In: -33.140+/-0.021 χ^2/NDF:127457.5/12

+ sign -29.897+/-0.018 χ^2/NDF: 913709.4/29

All: -30.249+/-0.013 χ^2/NDF: 1655660.2/60

- sign -30.616+/-0.018 χ^2/NDF: 741161.7/30

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.510+/-0.379 χ^2/NDF:215.1/13

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

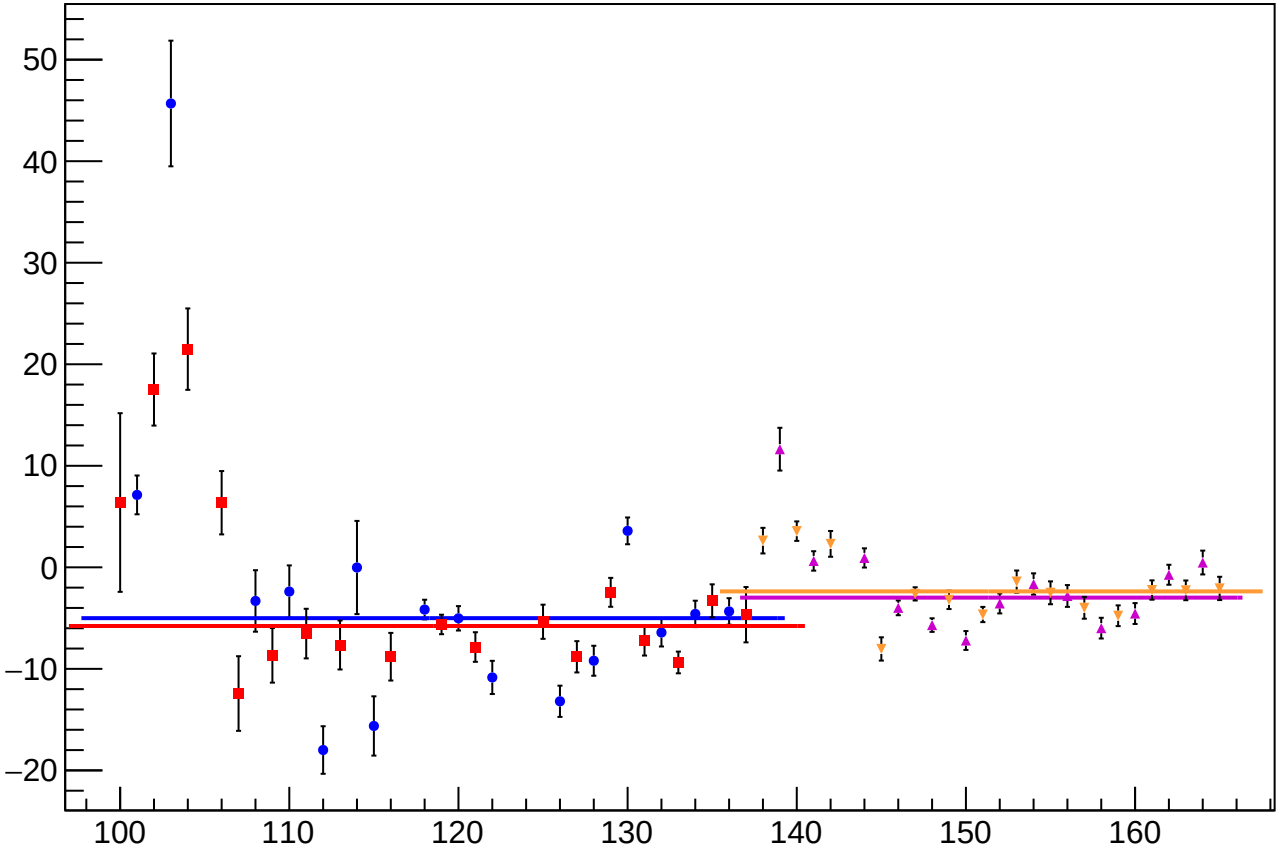
Left In: -26.197+/-0.384 χ^2/NDF:218.6/12

+ sign -22.558+/-0.277 χ^2/NDF: 1706.4/29

All: -21.495+/-0.197 χ^2/NDF: 3772.9/60

- sign -20.404+/-0.280 χ^2/NDF: 2036.5/30

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.370+/-0.260 χ^2/NDF:110.9/13

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

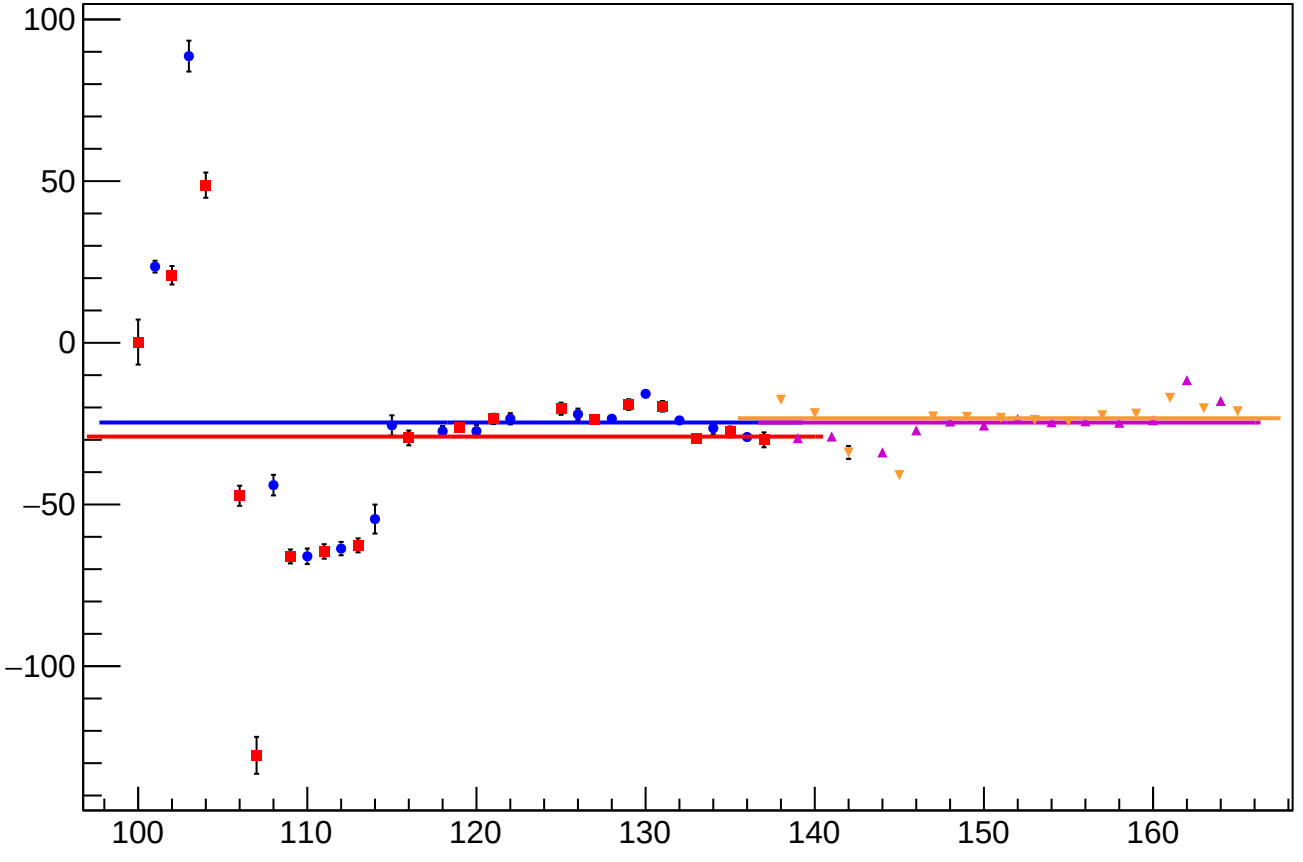
Left In: -2.984+/-0.265 χ^2/NDF:145.4/12

+ sign -3.147+/-0.218 χ^2/NDF: 389.1/29

All: -3.456+/-0.156 χ^2/NDF: 709.7/60

- sign -3.784+/-0.224 χ^2/NDF: 316.5/30

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -23.328+/-0.368 χ^2/NDF:250.1/13

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

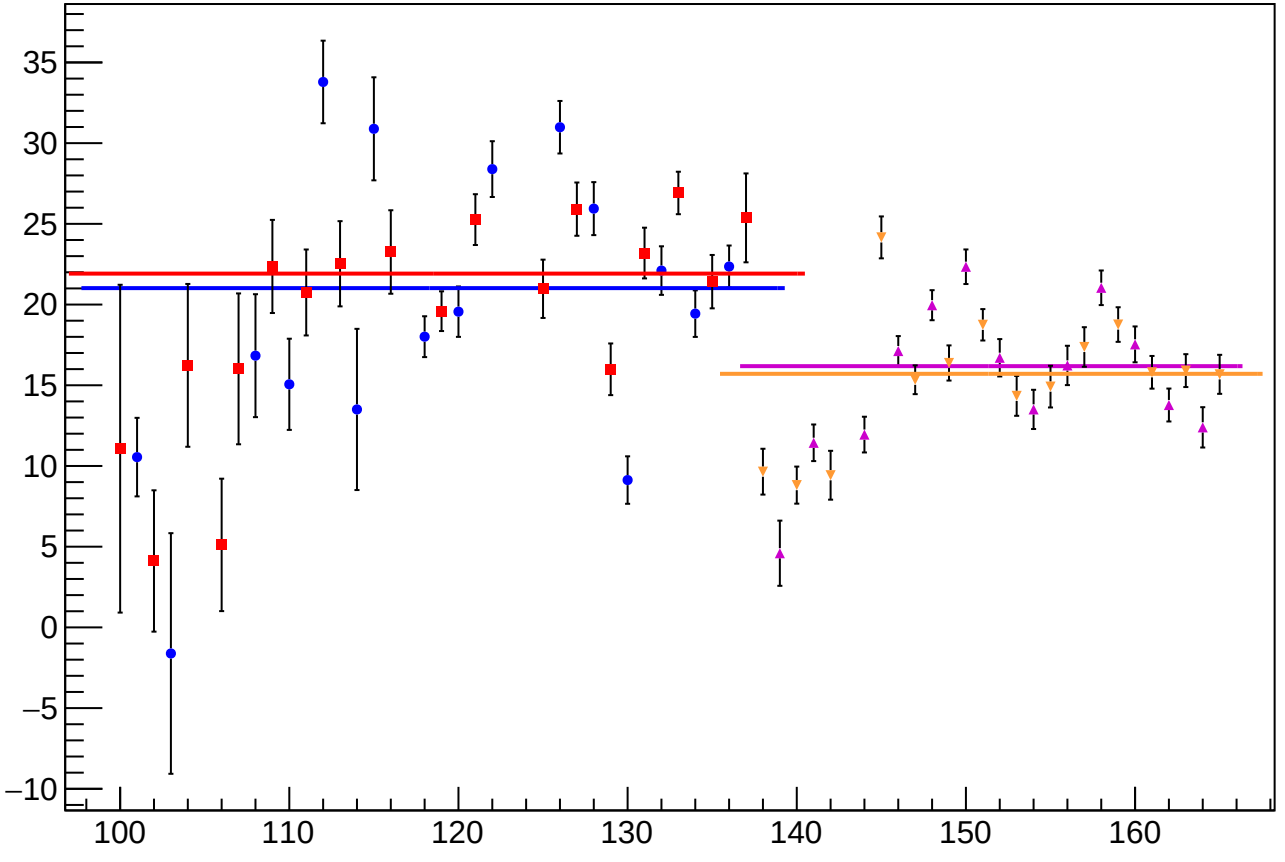
Left In: -24.656+/-0.371 χ^2/NDF:215.9/12

+ sign -23.848+/-0.286 χ^2/NDF: 2307.0/29

All: -25.049+/-0.205 χ^2/NDF: 4563.1/60

- sign -26.304+/-0.293 χ^2/NDF: 2220.1/30

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.709+/-0.303 χ^2/NDF:135.8/13

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

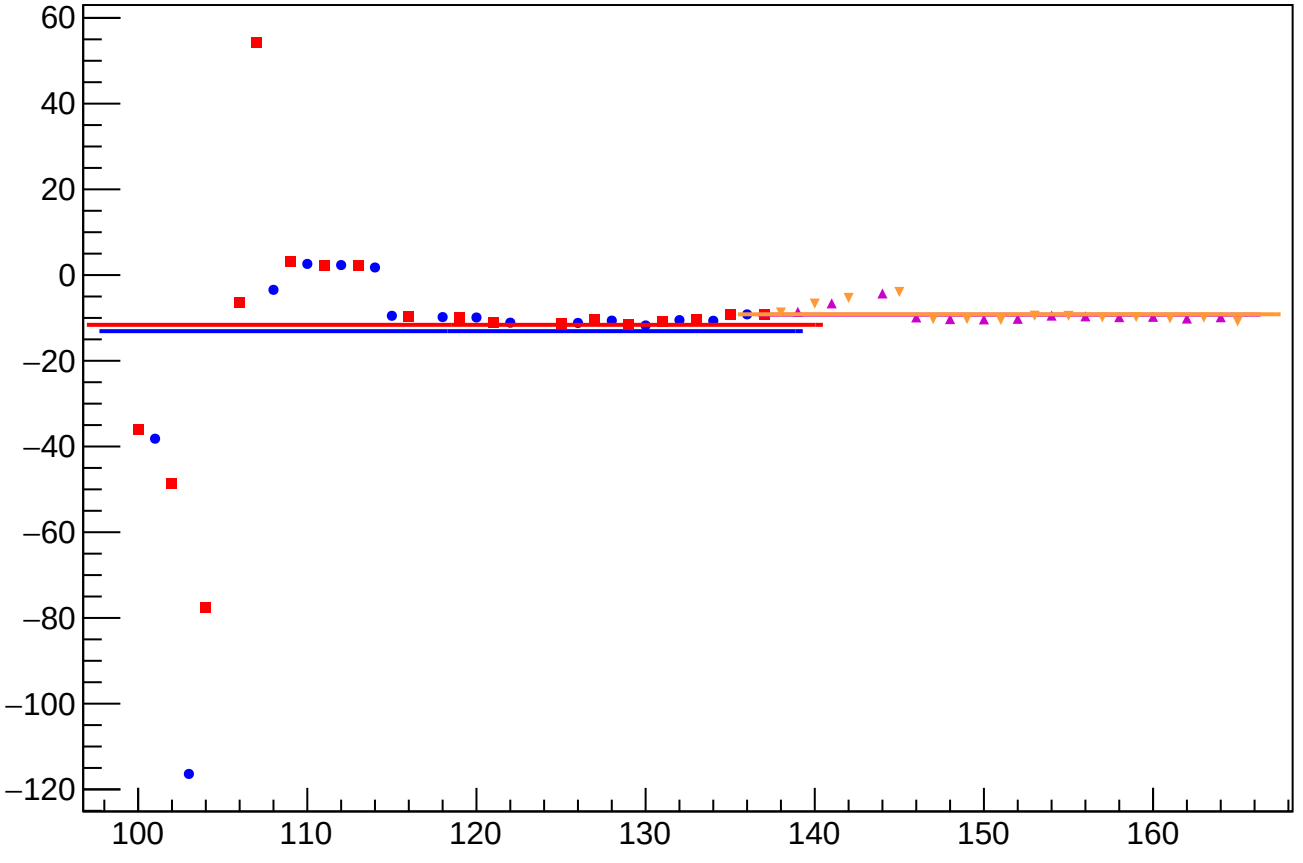
Left In: 16.185+/-0.310 χ^2/NDF:157.5/12

\+ sign 17.329+/-0.253 χ^2/NDF: 438.8/29

All: 17.596+/-0.181 χ^2/NDF: 782.3/60

\- sign 17.879+/-0.260 χ^2/NDF: 341.3/30

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.149+/-0.014 χ^2/NDF:17579.2/13

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

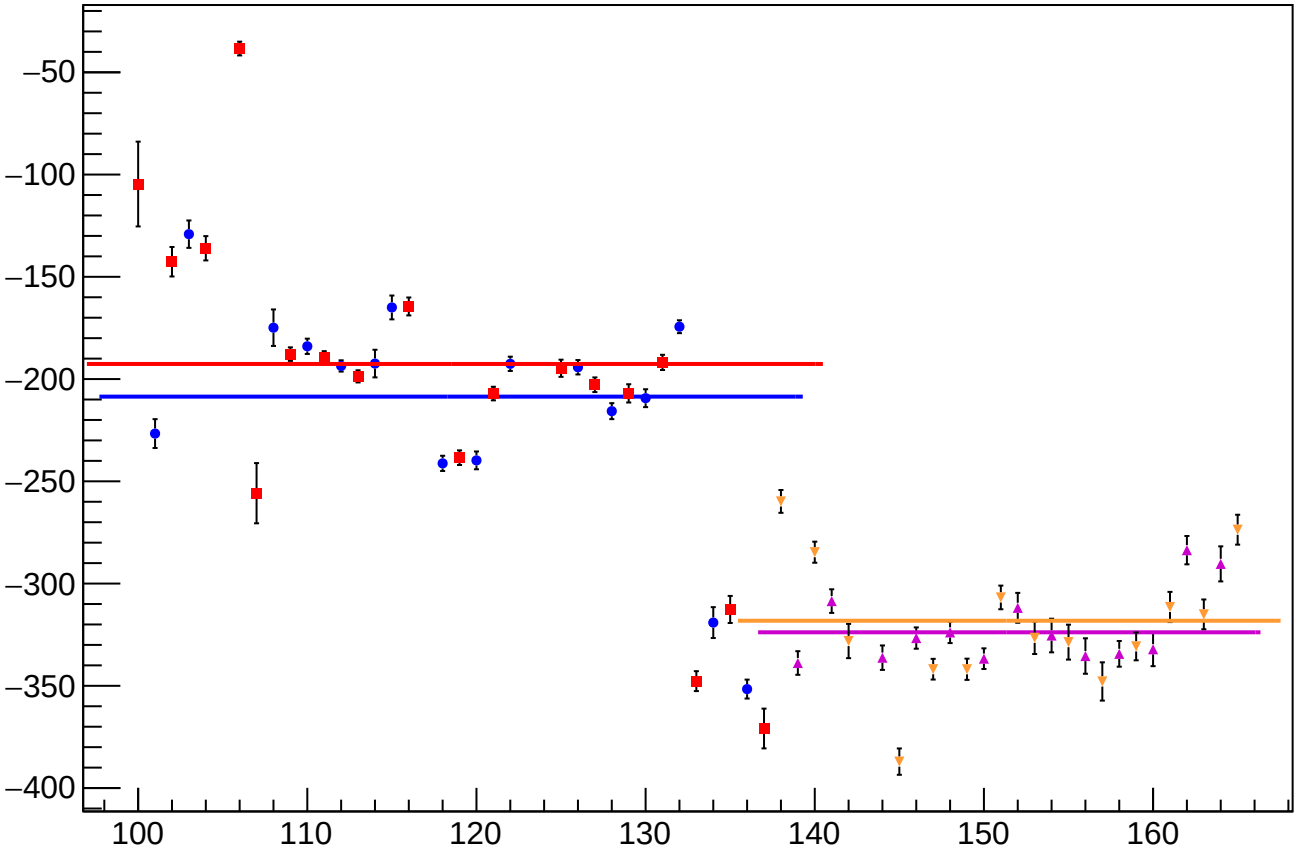
Left In: -9.243+/-0.014 χ^2/NDF:11834.8/12

+ sign -9.909+/-0.012 χ^2/NDF: 378019.8/29

All: -9.779+/-0.009 χ^2/NDF: 709136.7/60

- sign -9.644+/-0.013 χ^2/NDF: 330895.6/30

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -318.179+/-1.734 χ^2/NDF:368.3/13

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

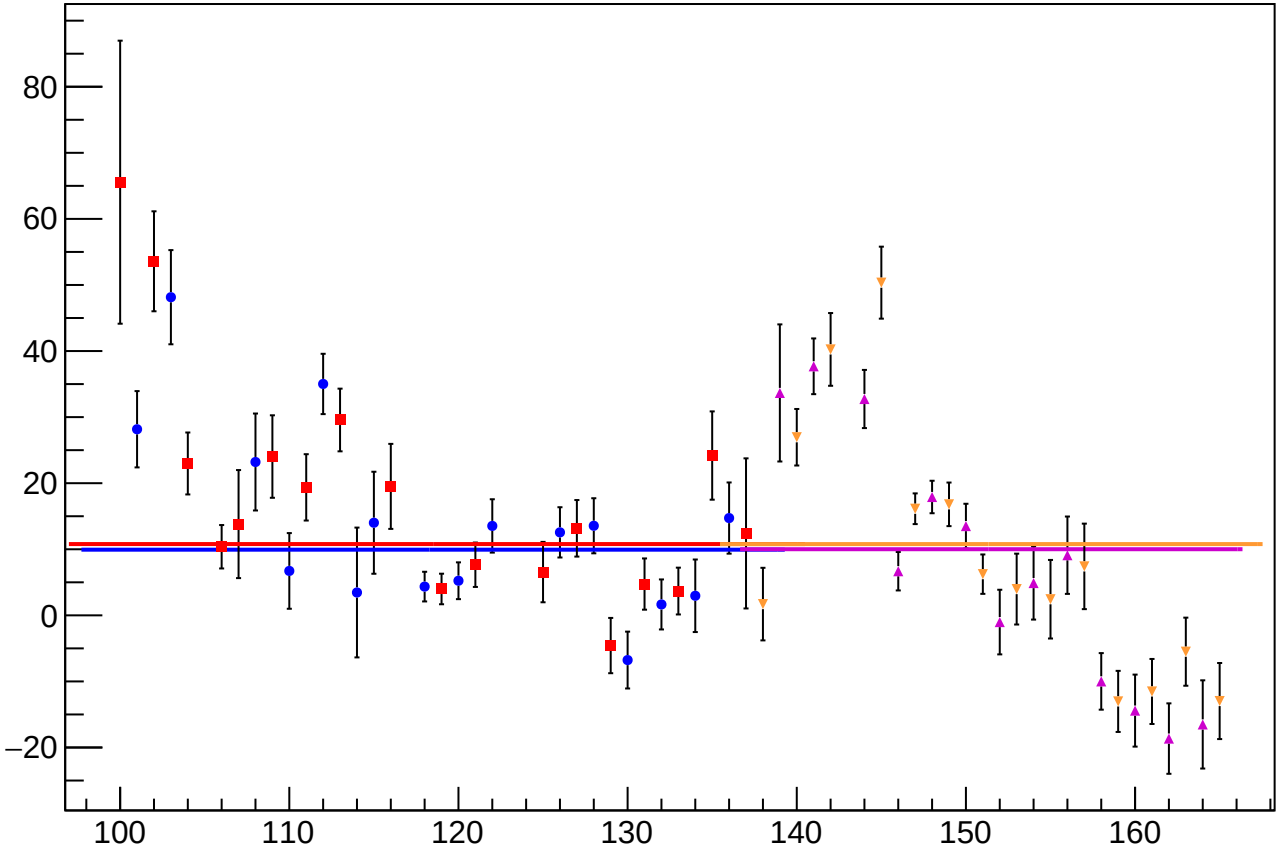
Left In: -323.833+/-1.762 χ^2/NDF:82.1/12

+ sign -238.671+/-0.908 χ^2/NDF: 5018.2/29

All: -231.287+/-0.628 χ^2/NDF: 13631.0/60

- sign -224.531+/-0.869 χ^2/NDF: 8486.3/30

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 10.785+/-1.127 χ^2/NDF:187.3/13

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

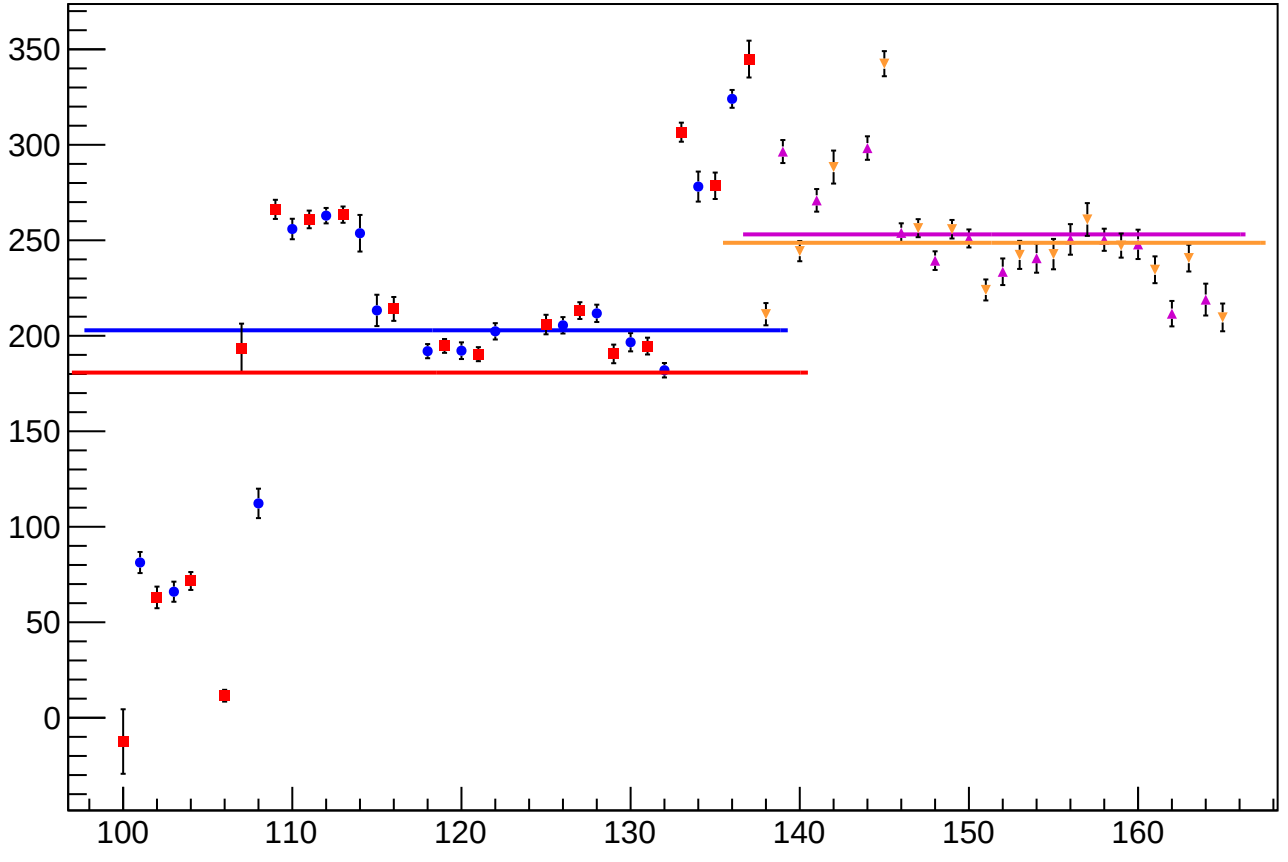
Left In: 10.008+/-1.164 χ^2/NDF:180.3/12

+ sign 10.337+/-0.774 χ^2/NDF: 294.2/29

All: 10.389+/-0.548 χ^2/NDF: 579.8/60

- sign 10.441+/-0.777 χ^2/NDF: 285.6/30

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 248.694+/-1.679 χ^2/NDF:329.1/13

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

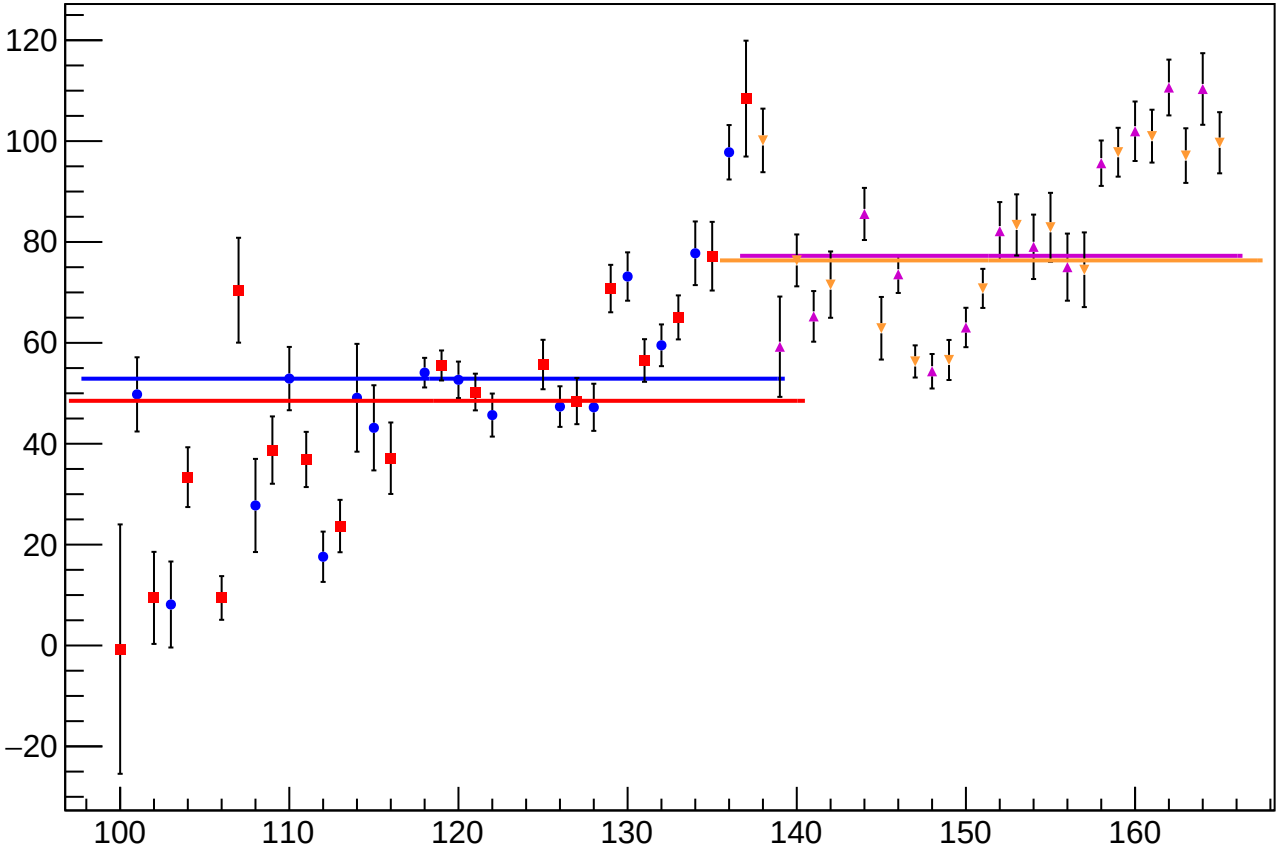
Left In: 253.096+/-1.698 χ^2/NDF:190.0/12

+ sign 218.806+/-0.990 χ^2/NDF: 3279.3/29

All: 210.730+/-0.685 χ^2/NDF: 11194.4/60

- sign 203.313+/-0.949 χ^2/NDF: 7787.3/30

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.348+/-1.351 χ^2/NDF:159.3/13

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

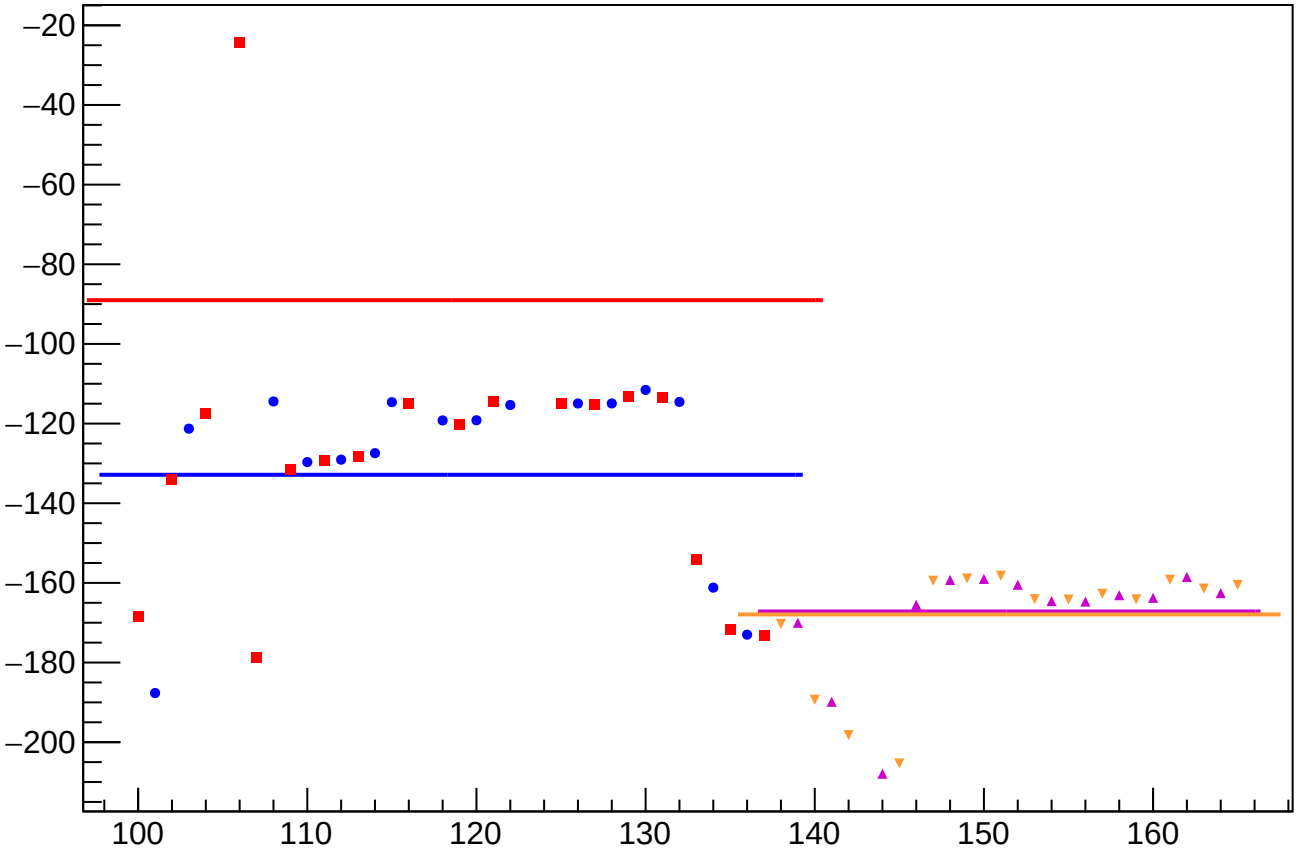
Left In: 77.259+/-1.388 χ^2/NDF:163.8/12

+ sign 63.633+/-0.914 χ^2/NDF: 520.9/29

All: 62.302+/-0.646 χ^2/NDF: 1171.9/60

- sign 60.971+/-0.914 χ^2/NDF: 646.7/30

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -167.918+/-0.065 χ^2/NDF:45575.9/13

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

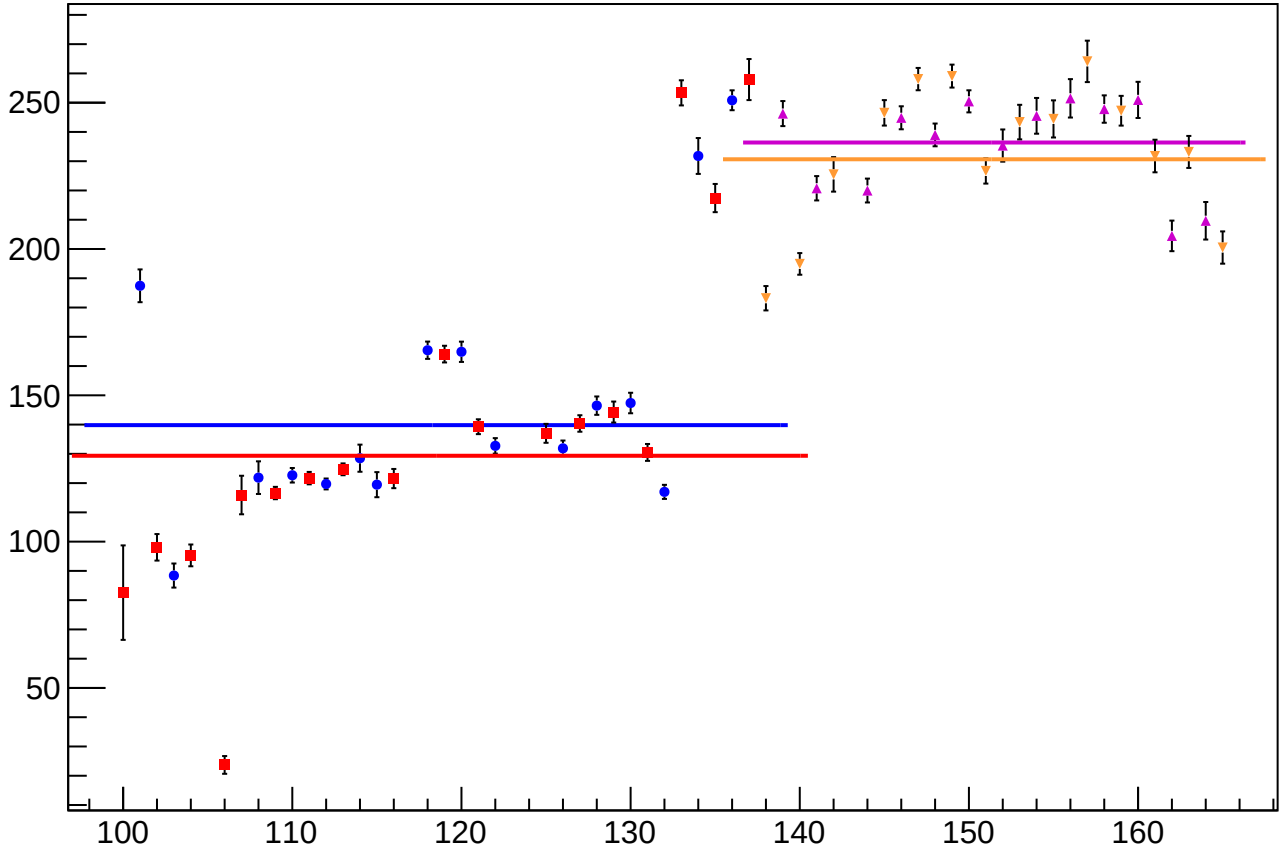
Left In: -167.174+/-0.065 χ^2/NDF:37115.8/12

+ sign -154.231+/-0.051 χ^2/NDF: 252315.9/29

All: -139.495+/-0.034 χ^2/NDF: 1901767.3/60

- sign -127.603+/-0.046 χ^2/NDF: 1497558.8/30

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 230.659+/-1.280 χ^2/NDF:415.1/13

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

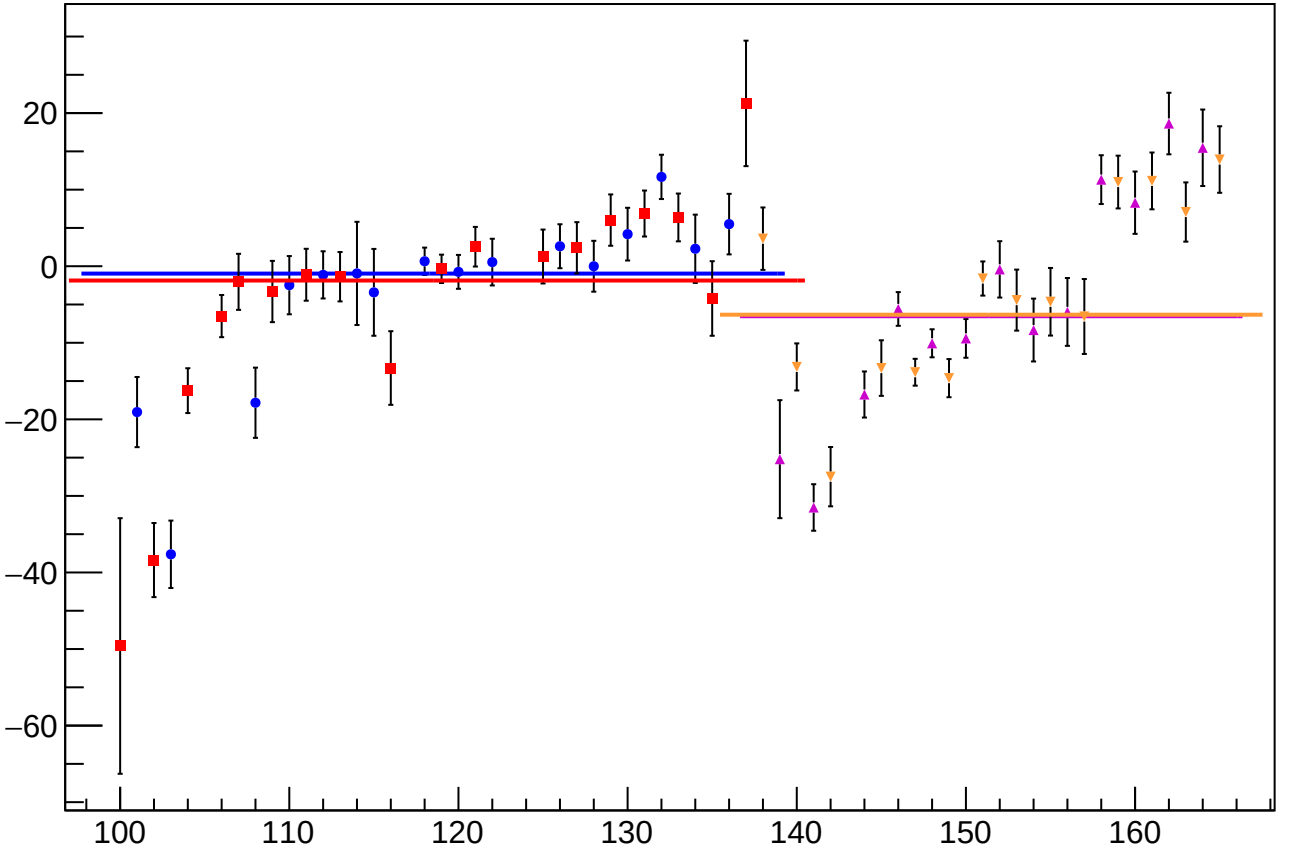
Left In: 236.388+/-1.303 χ^2/NDF:128.4/12

+ sign 164.624+/-0.669 χ^2/NDF: 6042.4/29

All: 159.678+/-0.462 χ^2/NDF: 14523.7/60

- sign 155.155+/-0.640 χ^2/NDF: 8376.7/30

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -6.334+/-0.837 χ^2/NDF:159.9/13

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

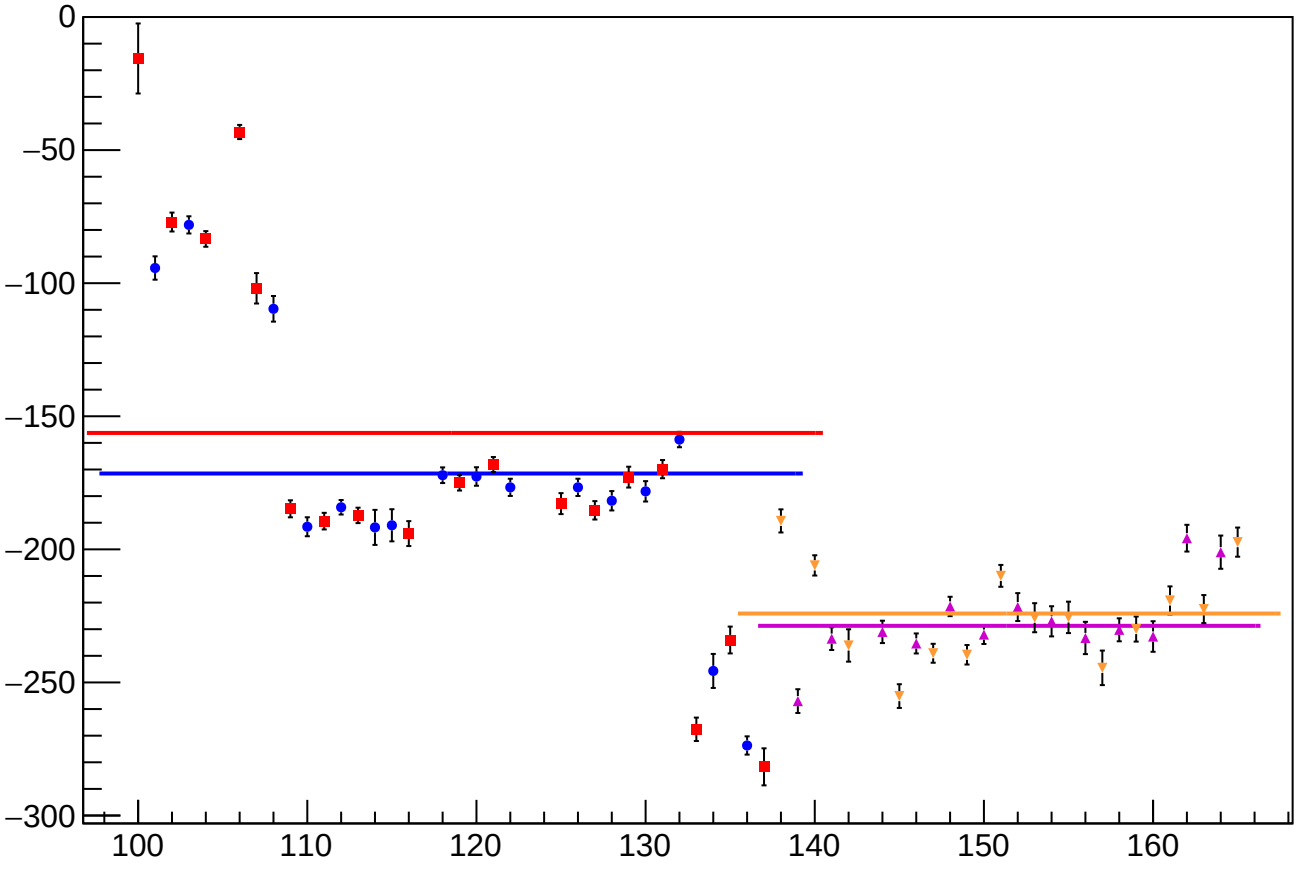
Left In: -6.532+/-0.863 χ^2/NDF:196.4/12

+ sign -3.556+/-0.581 χ^2/NDF: 307.3/29

All: -3.766+/-0.411 χ^2/NDF: 653.2/60

- sign -3.975+/-0.580 χ^2/NDF: 345.6/30

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.111+/-1.242 χ^2/NDF:223.1/13

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

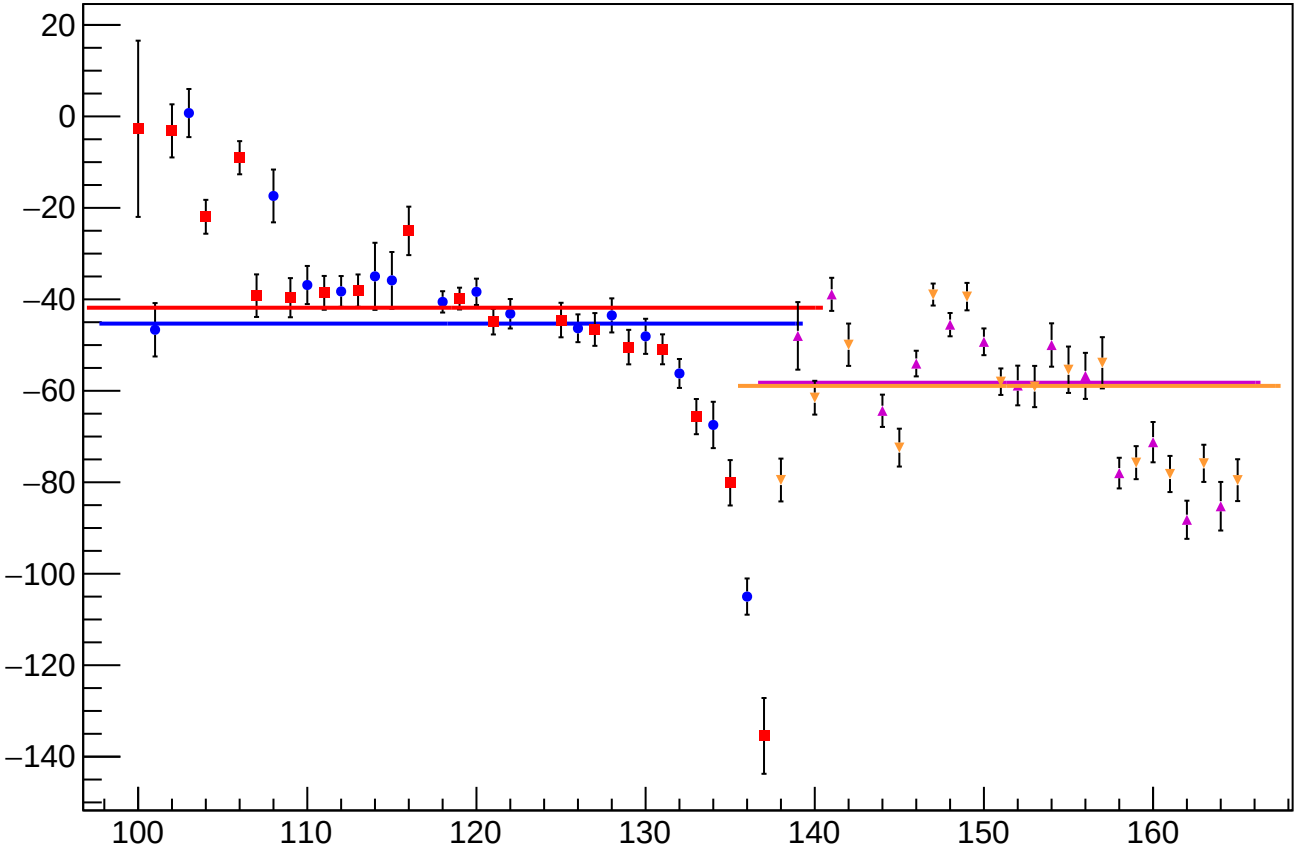
Left In: -228.730+/-1.257 χ^2/NDF:115.4/12

\+ sign -189.802+/-0.732 χ^2/NDF: 3836.3/29

All: -184.123+/-0.507 χ^2/NDF: 11256.2/60

\- sign -178.894+/-0.703 χ^2/NDF: 7304.4/30

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -58.924+/-1.002 χ^2/NDF:230.0/13

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

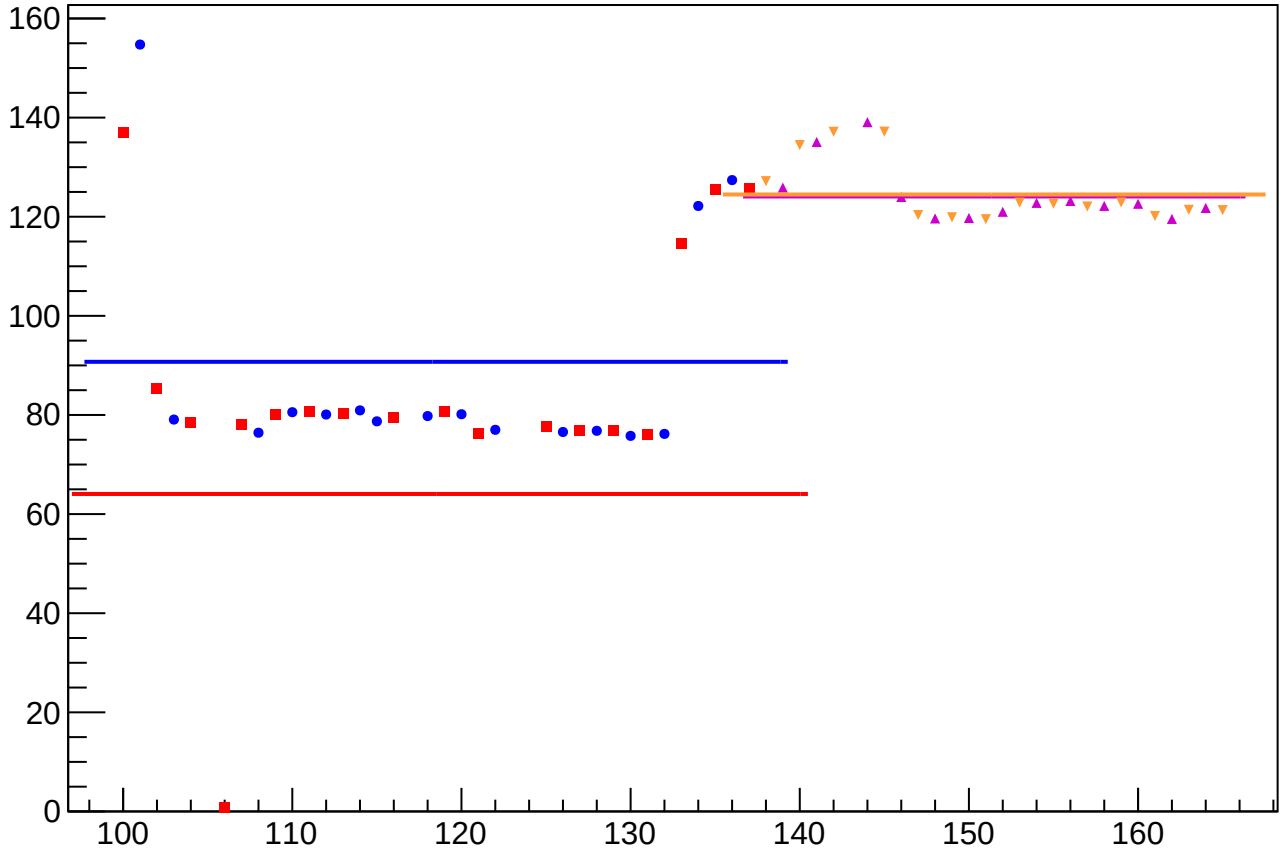
Left In: -58.235+/-1.029 χ^2/NDF:193.9/12

+ sign -51.663+/-0.685 χ^2/NDF: 710.6/29

All: -50.336+/-0.483 χ^2/NDF: 1468.8/60

- sign -49.022+/-0.682 χ^2/NDF: 750.8/30

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 124.485+/-0.048 χ^2/NDF:15371.6/13

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

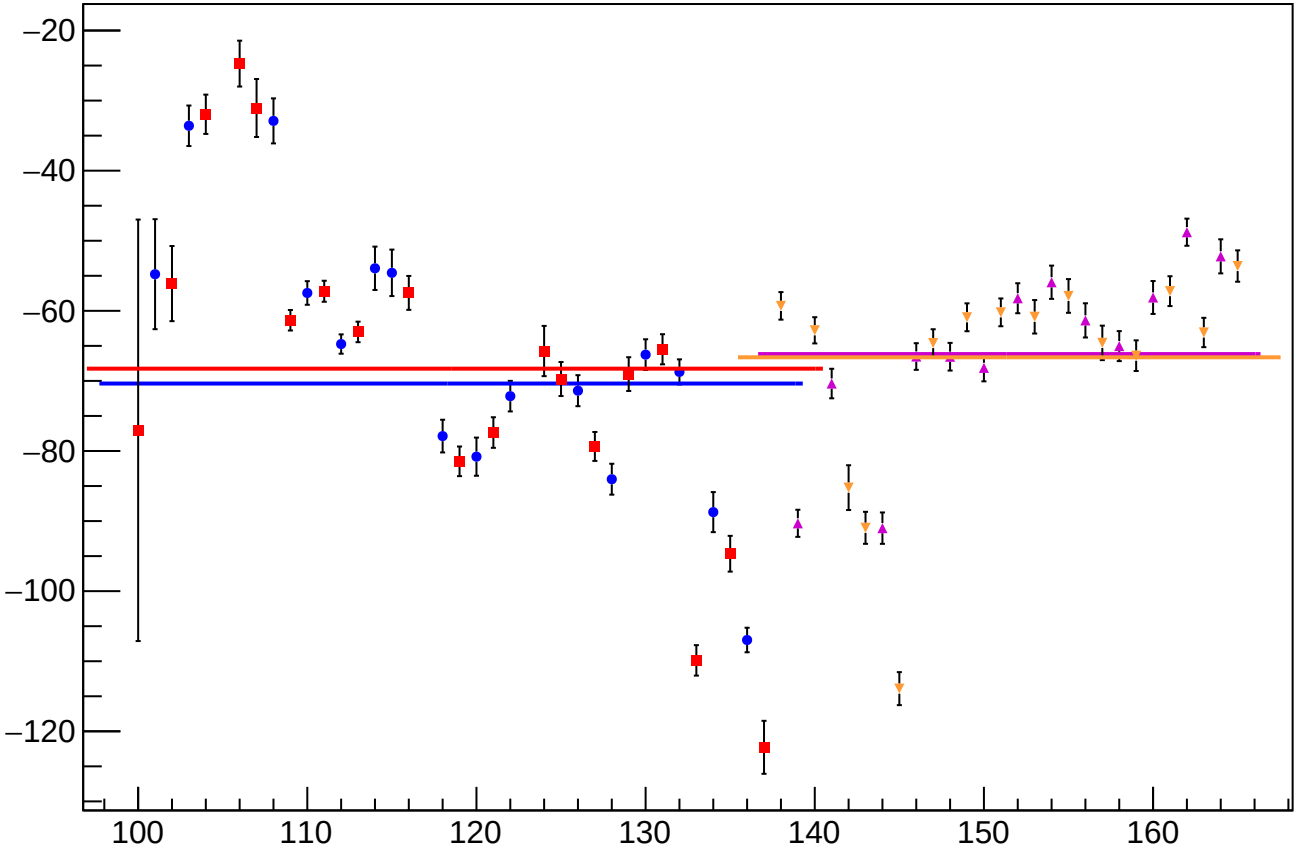
Left In: 124.084+/-0.048 χ^2/NDF:13509.3/12

+ sign 110.818+/-0.037 χ^2/NDF: 374838.2/29

All: 102.159+/-0.025 χ^2/NDF: 1907419.4/60

- sign 94.726+/-0.034 χ^2/NDF: 1431947.9/30

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -66.631+/-0.563 χ^2/NDF:664.4/14

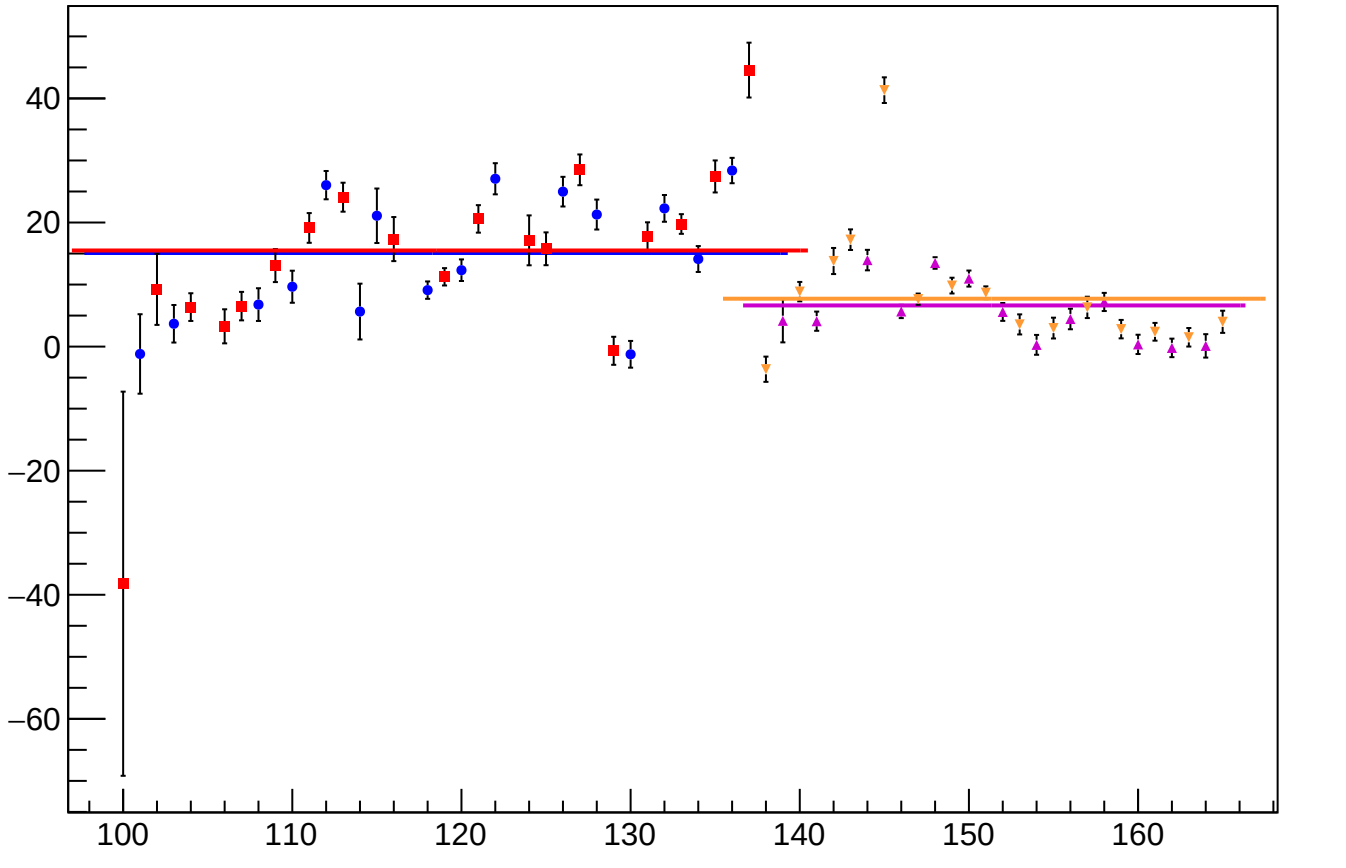
Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -66.169+/-0.588 χ^2/NDF:446.1/12

+ sign -68.521+/-0.396 χ^2/NDF: 1661.6/30

All: -67.917+/-0.279 χ^2/NDF: 3425.2/62

- sign -67.324+/-0.392 χ^2/NDF: 1759.0/31



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.720+/-0.377 χ^2/NDF:402.2/14

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

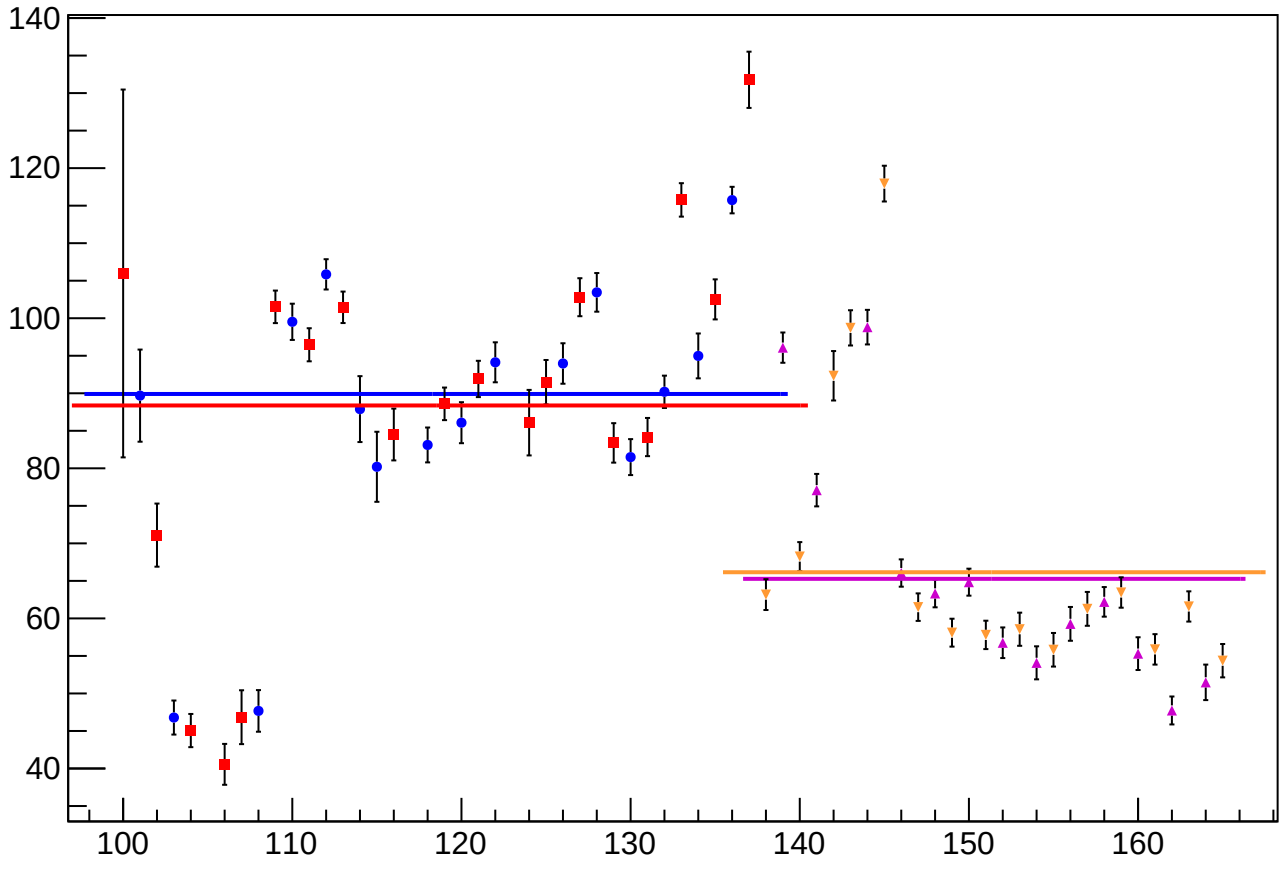
Left In: 6.635+/-0.397 χ^2/NDF:156.1/12

\+ sign 9.905+/-0.316 χ^2/NDF: 758.0/30

All: 9.762+/-0.226 χ^2/NDF: 1320.8/62

\- sign 9.612+/-0.324 χ^2/NDF: 562.4/31

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 66.153+/-0.546 χ^2/NDF:873.9/14

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

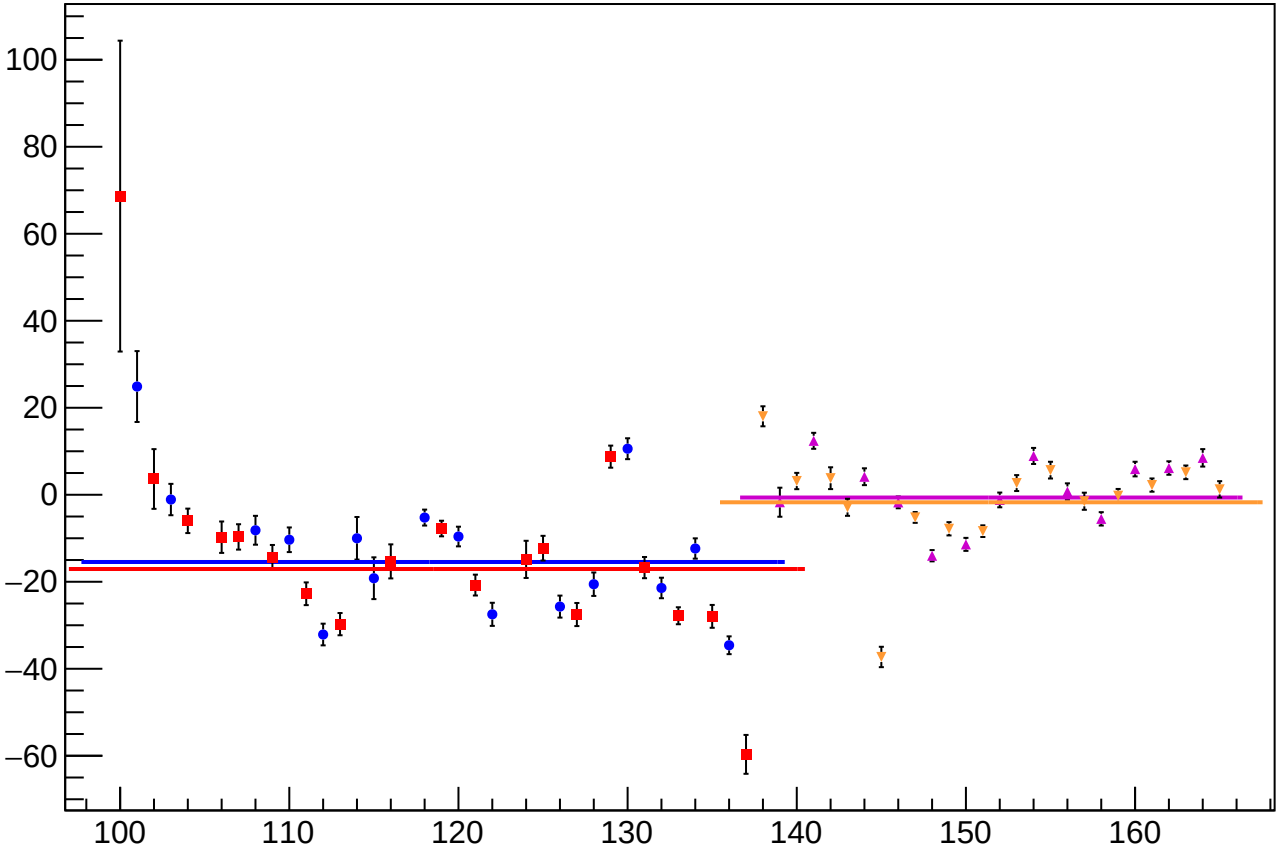
Left In: 65.272+/-0.565 χ^2/NDF:672.7/12

+ sign 76.138+/-0.415 χ^2/NDF: 2618.4/30

All: 75.974+/-0.294 χ^2/NDF: 5341.9/62

- sign 75.808+/-0.417 χ^2/NDF: 2723.2/31

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.729+/-0.444 χ^2/NDF:414.9/14

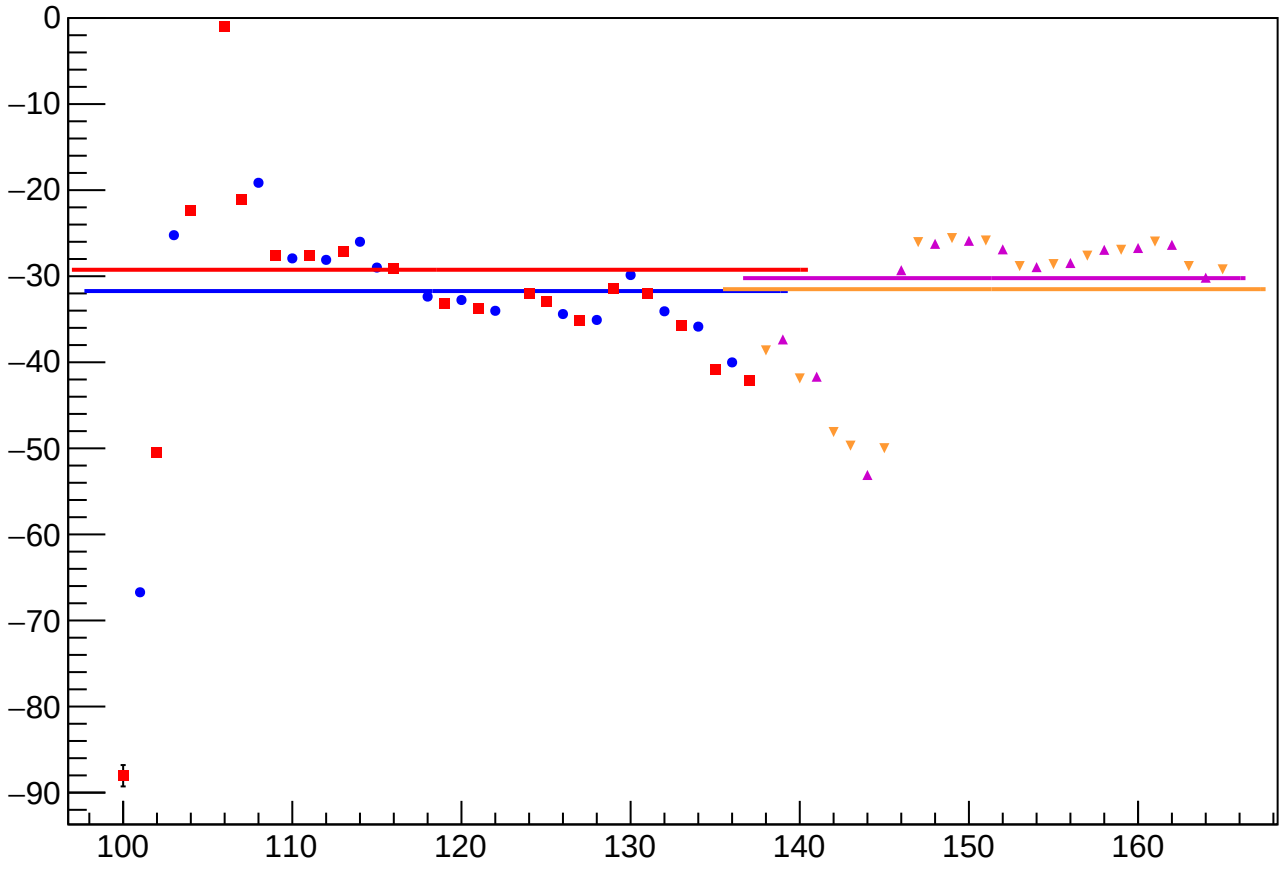
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.635+/-0.466 χ^2/NDF:308.1/12

+ sign -5.957+/-0.369 χ^2/NDF: 1095.7/30

All: -6.120+/-0.264 χ^2/NDF: 2192.6/62

- sign -6.289+/-0.378 χ^2/NDF: 1096.5/31



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.506+/-0.021 χ^2/NDF:144964.2/14

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

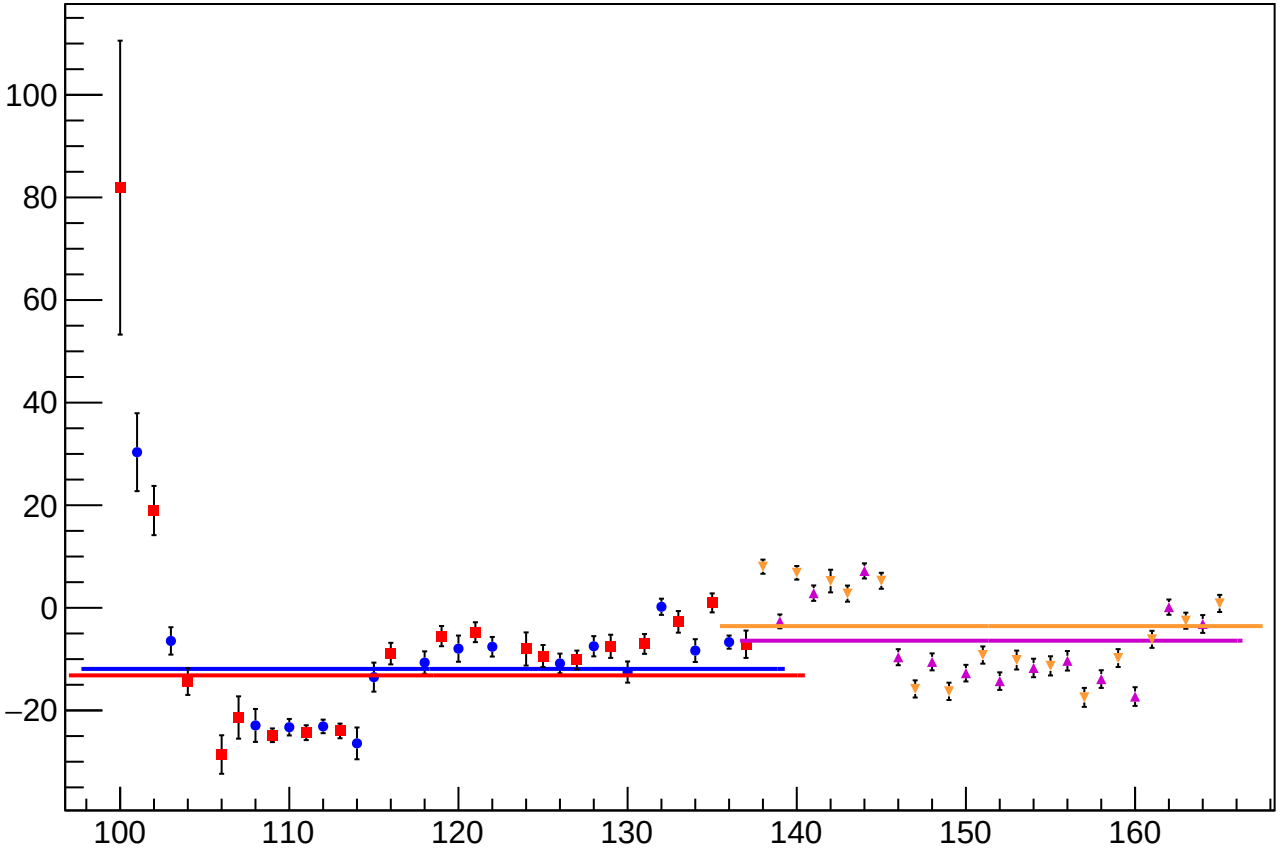
Left In: -30.224+/-0.021 χ^2/NDF:92692.6/12

+ sign -31.555+/-0.018 χ^2/NDF: 184625.9/30

All: -30.790+/-0.013 χ^2/NDF: 376627.2/62

- sign -29.996+/-0.019 χ^2/NDF: 188420.1/31

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.564+/-0.426 χ^2/NDF:427.1/14

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

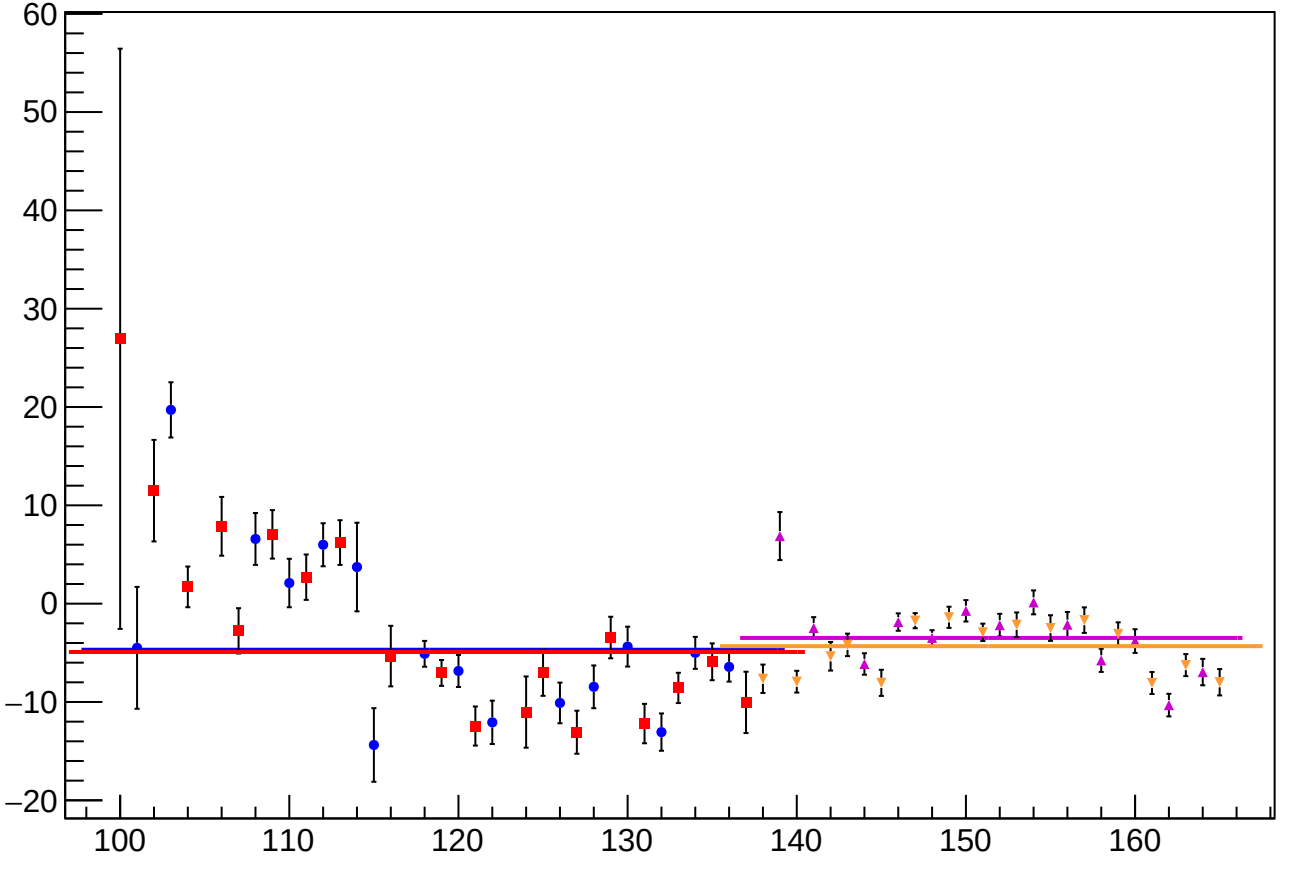
Left In: -6.408+/-0.449 χ^2/NDF:268.2/12

+ sign -7.100+/-0.323 χ^2/NDF: 871.7/30

All: -8.314+/-0.230 χ^2/NDF: 1695.8/62

- sign -9.565+/-0.328 χ^2/NDF: 795.5/31

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.322+/-0.293 χ^2/NDF:77.6/14

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

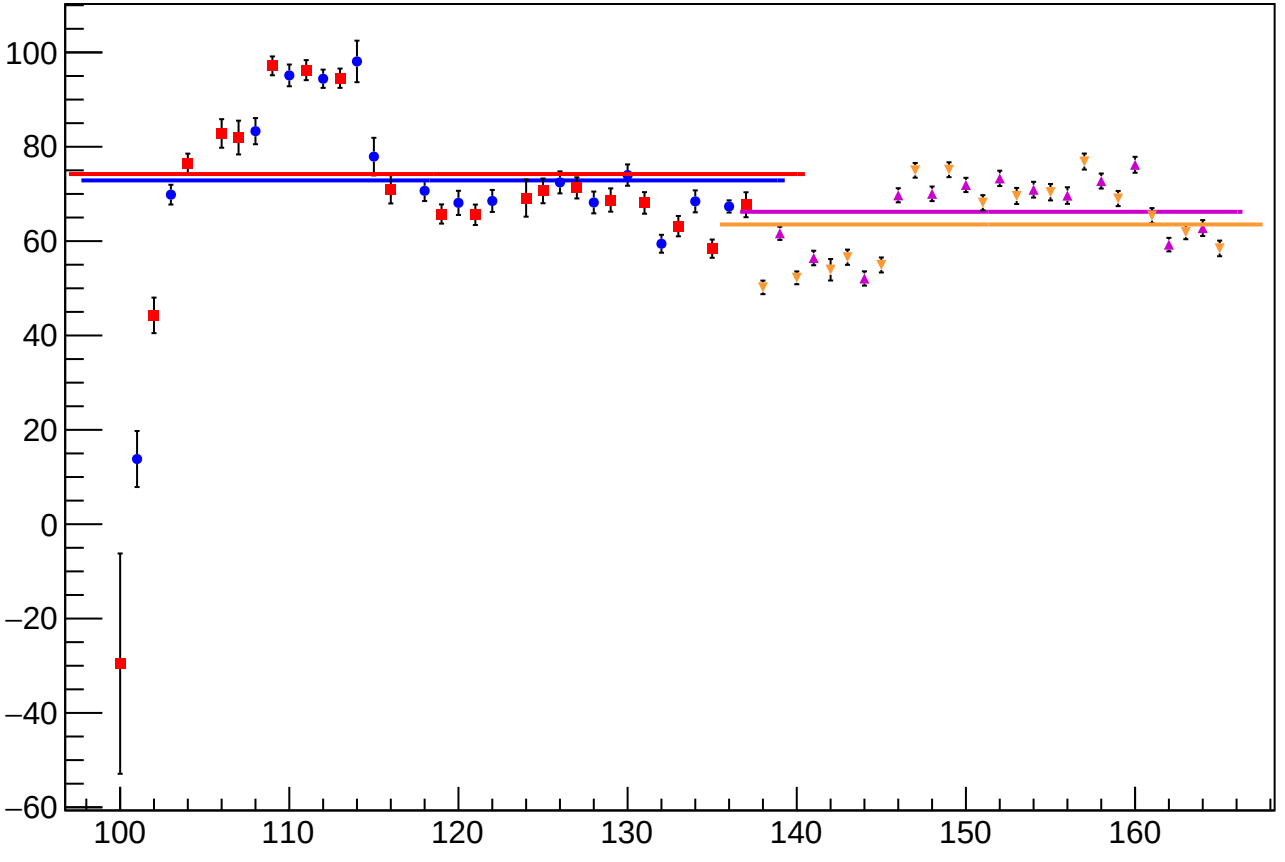
Left In: -3.485+/-0.311 χ^2/NDF:91.5/12

+ sign -4.410+/-0.255 χ^2/NDF: 257.0/30

All: -4.151+/-0.184 χ^2/NDF: 512.2/62

- sign -3.869+/-0.266 χ^2/NDF: 253.0/31

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.528+/-0.415 χ^2/NDF:449.8/14

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

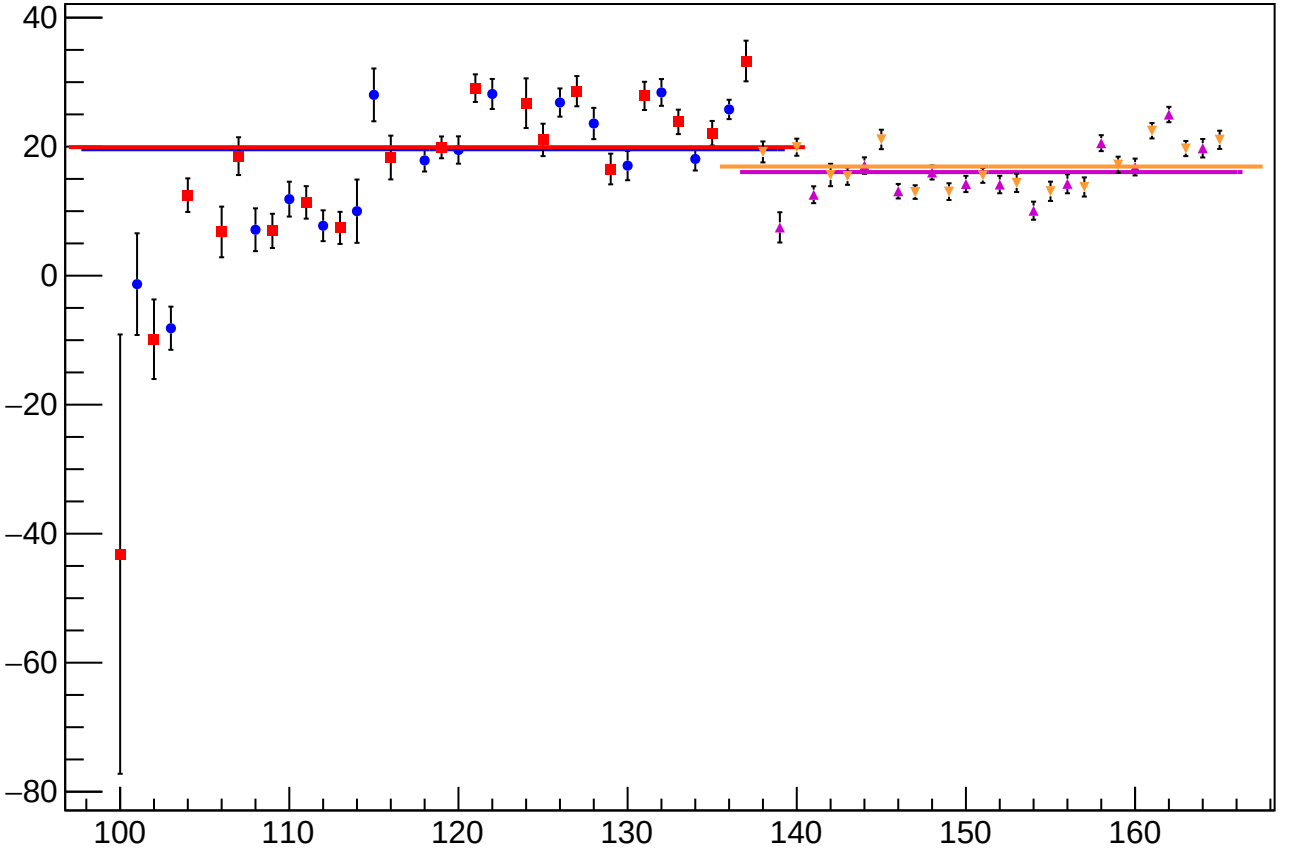
Left In: 66.216+/-0.434 χ^2/NDF:273.0/12

+ sign 66.801+/-0.335 χ^2/NDF: 1077.7/30

All: 67.972+/-0.240 χ^2/NDF: 2088.9/62

- sign 69.207+/-0.344 χ^2/NDF: 986.1/31

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.920+/-0.343 χ^2/NDF:91.5/14

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

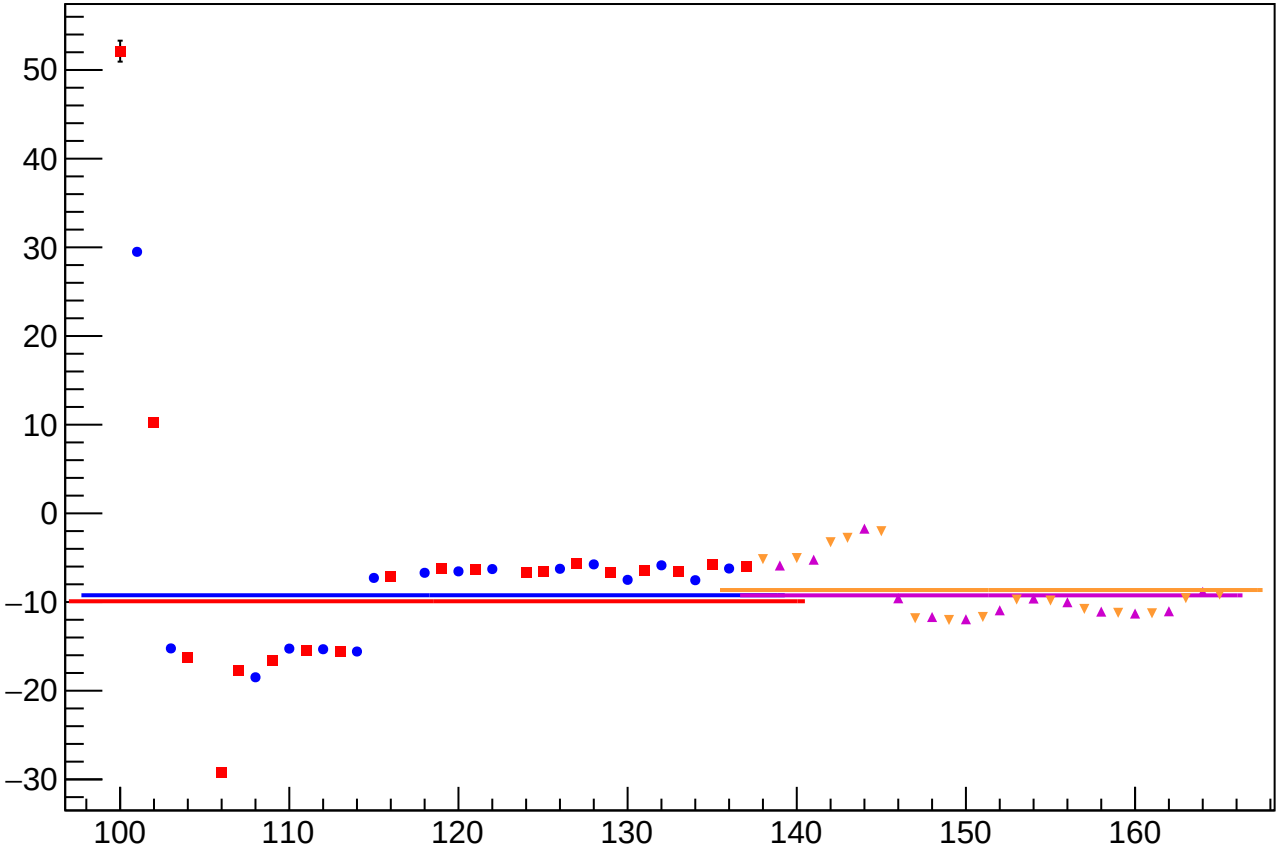
Left In: 16.058+/-0.363 χ^2/NDF:128.2/12

+ sign 17.604+/-0.296 χ^2/NDF: 303.1/30

All: 17.377+/-0.214 χ^2/NDF: 645.3/62

- sign 17.130+/-0.308 χ^2/NDF: 341.0/31

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.645+/-0.016 χ^2/NDF:43610.6/14

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

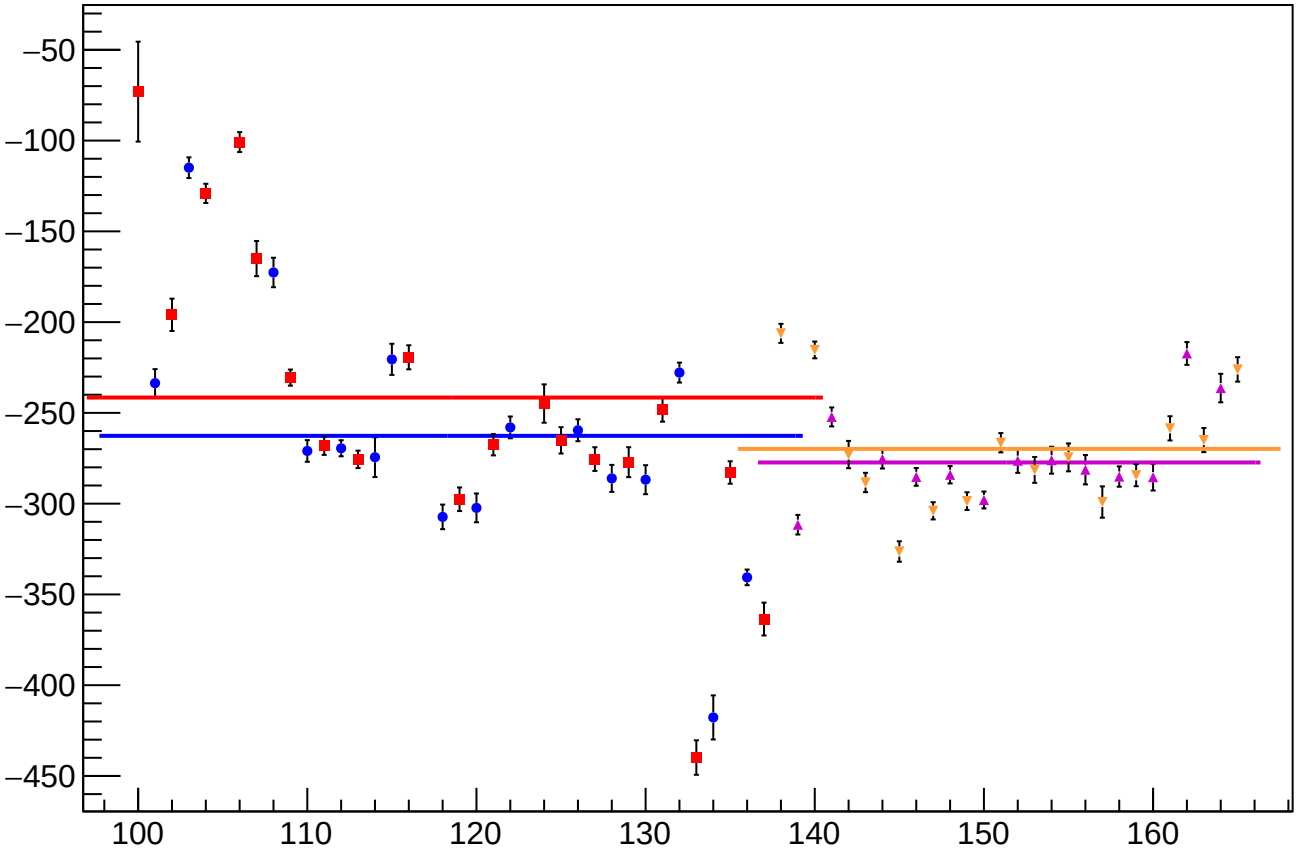
Left In: -9.247+/-0.016 χ^2/NDF:28871.8/12

+ sign -8.756+/-0.014 χ^2/NDF: 75031.8/30

All: -9.051+/-0.010 χ^2/NDF: 158967.9/62

- sign -9.369+/-0.015 χ^2/NDF: 83040.4/31

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -269.809+/-1.518 χ^2/NDF:552.6/14

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

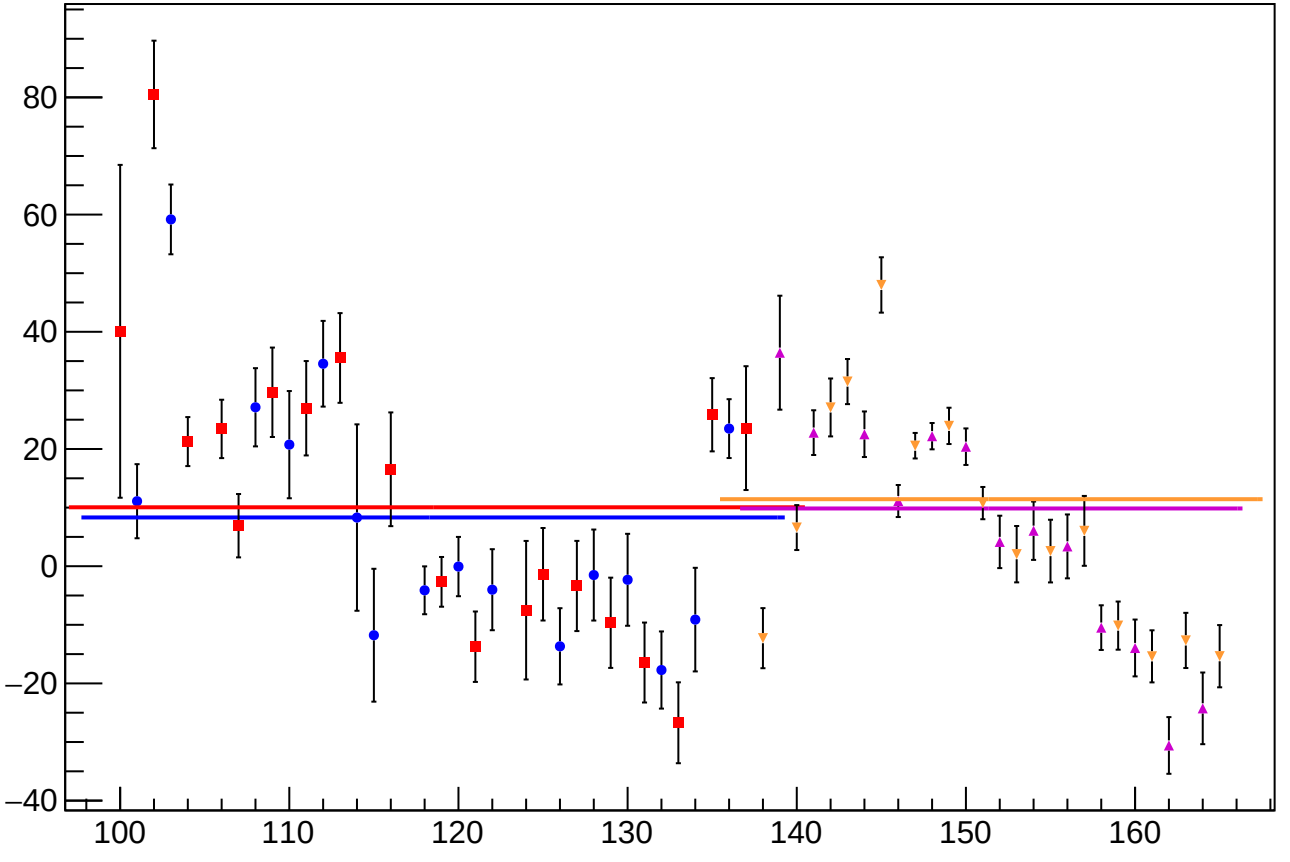
Left In: -277.307+/-1.609 χ^2/NDF:209.8/12

+ sign -266.445+/-1.106 χ^2/NDF: 2017.3/30

All: -262.325+/-0.780 χ^2/NDF: 4656.6/62

- sign -258.250+/-1.099 χ^2/NDF: 2611.6/31

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 11.435+/-0.998 χ^2/NDF:277.1/14

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

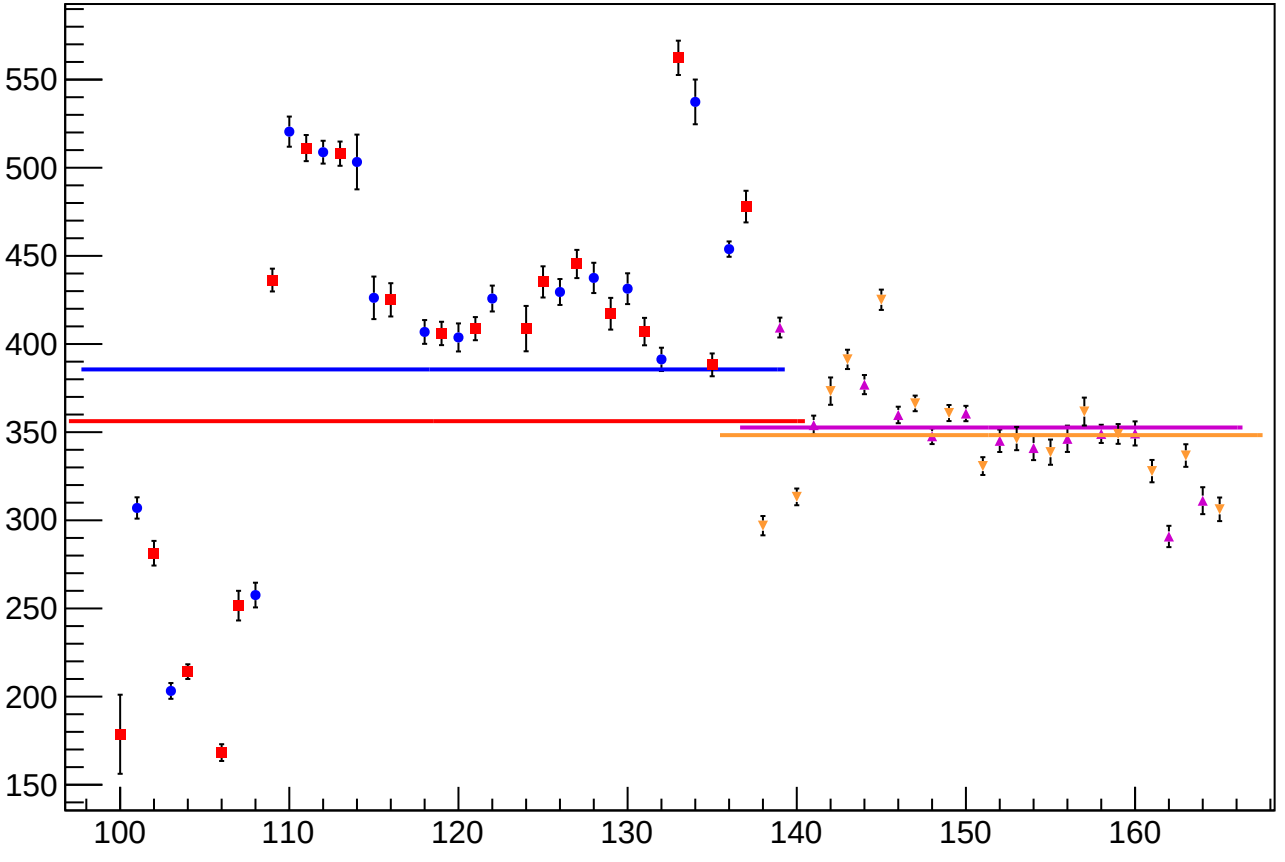
Left In: 9.851+/-1.063 χ^2/NDF:228.6/12

+ sign 10.596+/-0.853 χ^2/NDF: 437.3/30

All: 10.264+/-0.611 χ^2/NDF: 853.7/62

- sign 9.916+/-0.875 χ^2/NDF: 416.0/31

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 348.317+/-1.477 χ^2/NDF:486.4/14

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

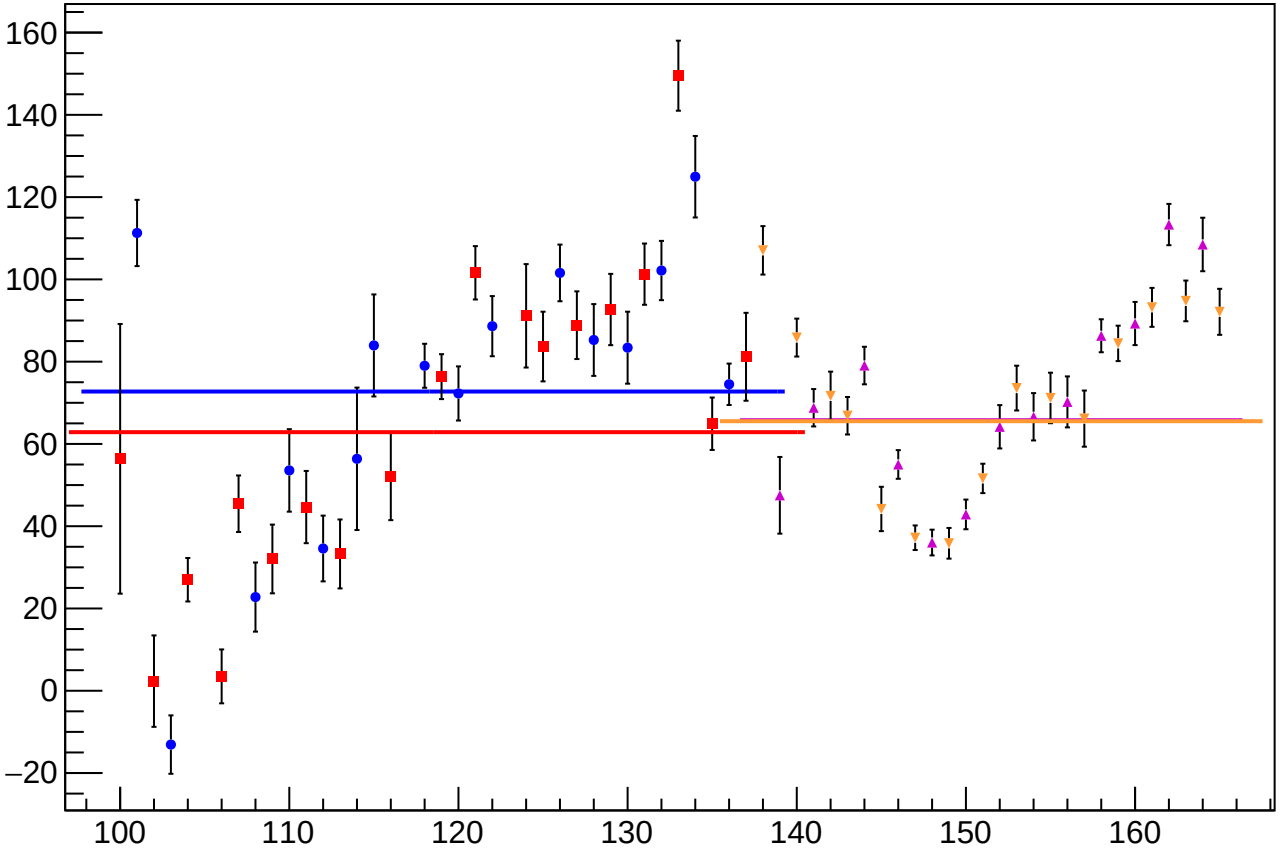
Left In: 352.647+/-1.550 χ^2/NDF:268.2/12

+ sign 363.904+/-1.127 χ^2/NDF: 4125.8/30

All: 359.130+/-0.797 χ^2/NDF: 9702.8/62

- sign 354.338+/-1.129 χ^2/NDF: 5541.0/31

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 65.528+/-1.193 χ^2/NDF:368.4/14

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

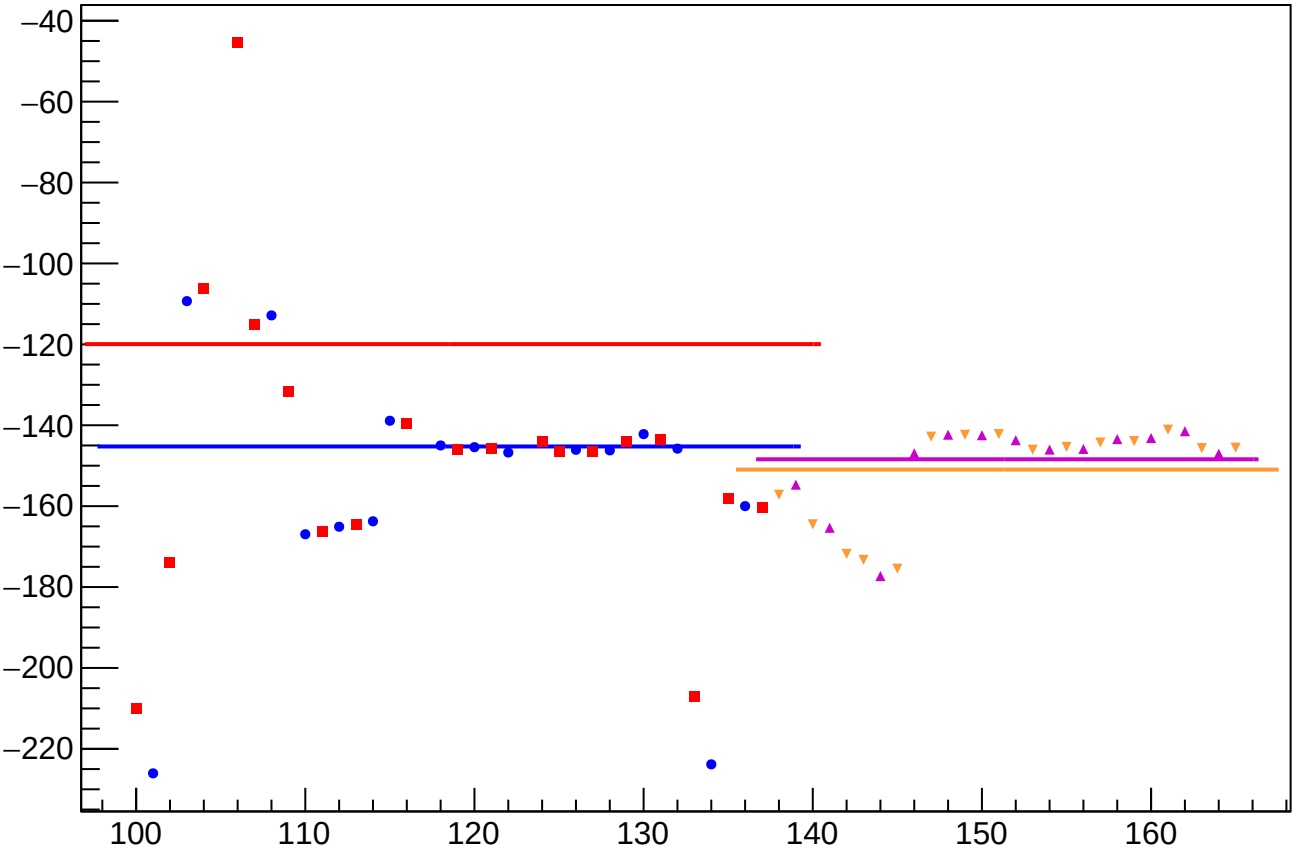
Left In: 65.765+/-1.266 χ^2/NDF:332.9/12

+ sign 67.572+/-1.010 χ^2/NDF: 683.1/30

All: 66.220+/-0.723 χ^2/NDF: 1425.0/62

- sign 64.801+/-1.035 χ^2/NDF: 738.2/31

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -150.970+/-0.058 χ^2/NDF:41833.6/14

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

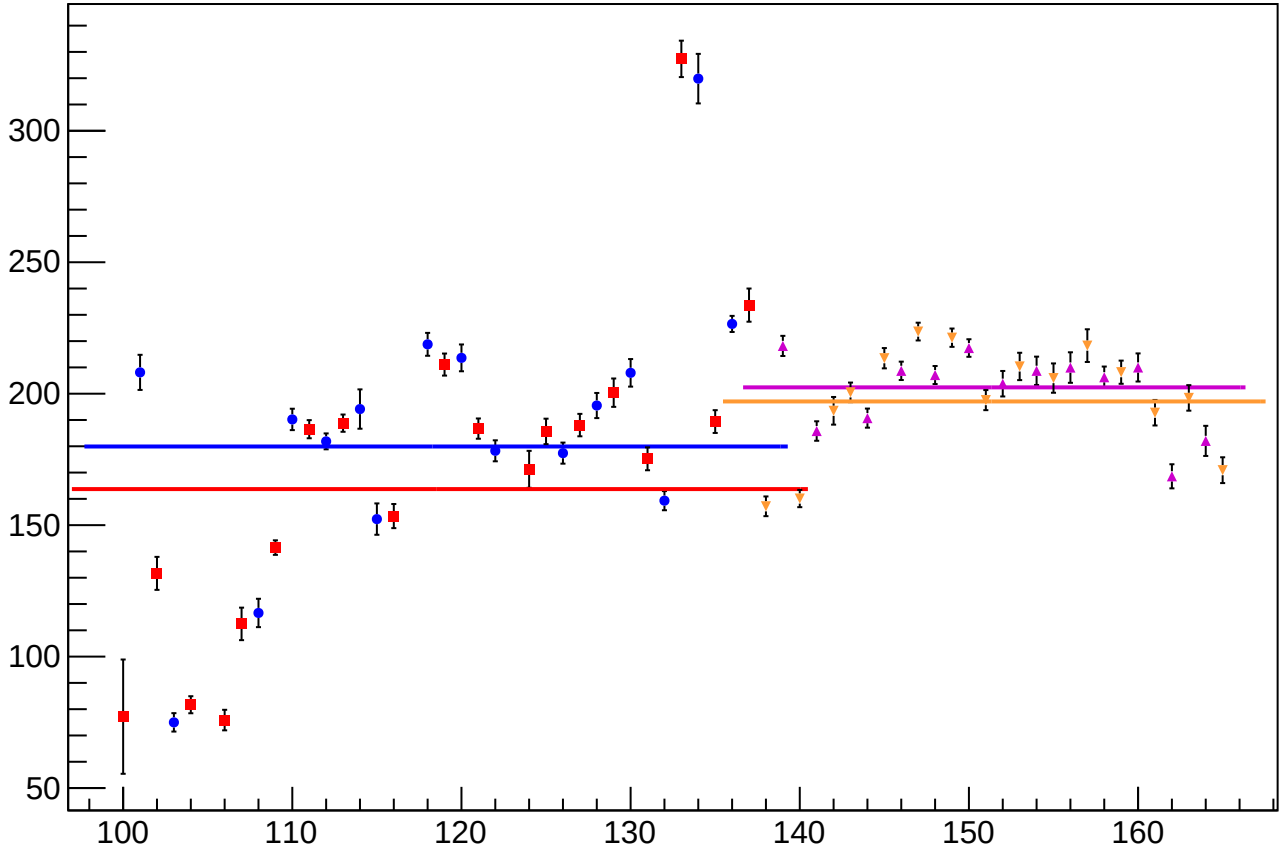
Left In: -148.414+/-0.059 χ^2/NDF:26177.3/12

+ sign -149.511+/-0.050 χ^2/NDF: 176415.2/30

All: -144.554+/-0.035 χ^2/NDF: 563647.8/62

- sign -139.653+/-0.049 χ^2/NDF: 367398.6/31

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 197.053+/-1.084 χ^2/NDF:426.3/14

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

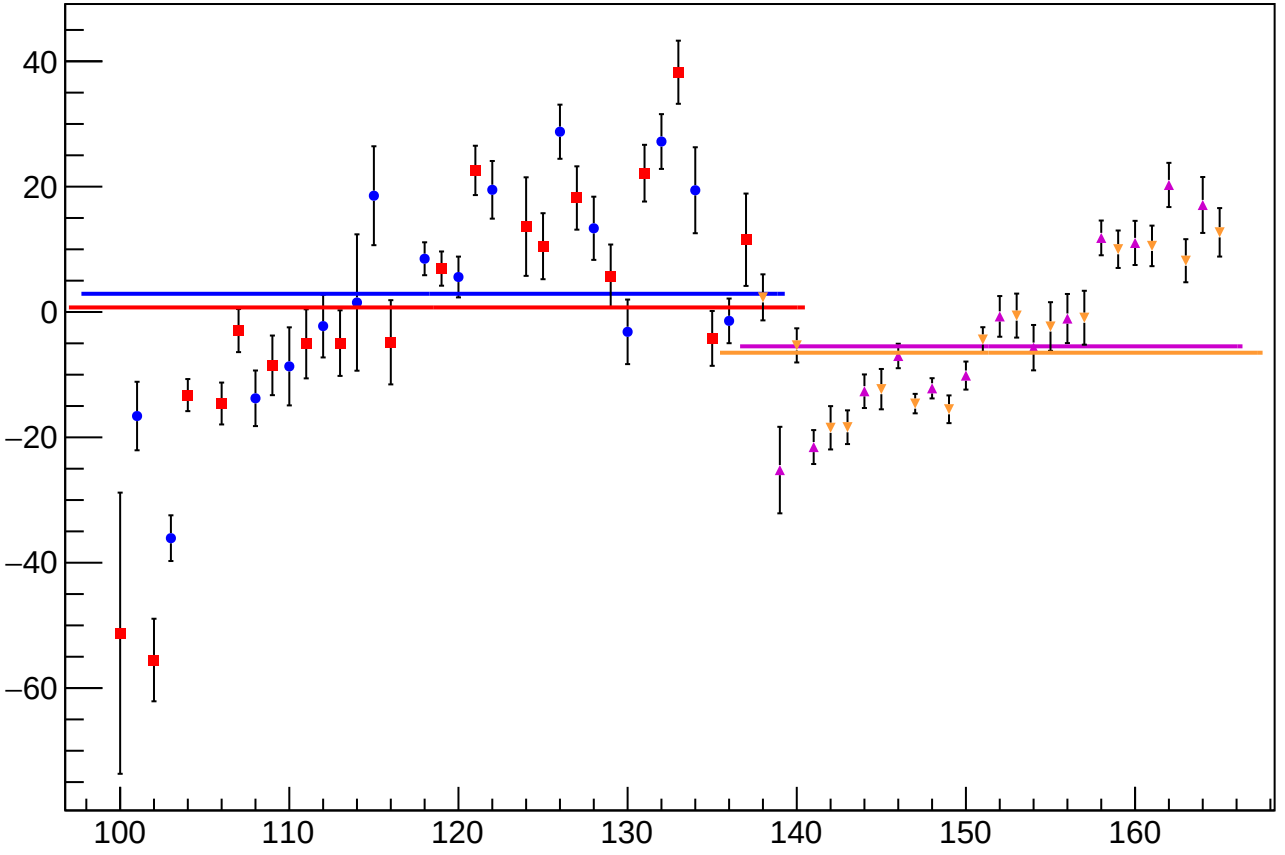
Left In: 202.407+/-1.152 χ^2/NDF:145.8/12

+ sign 188.522+/-0.768 χ^2/NDF: 2283.4/30

All: 184.373+/-0.539 χ^2/NDF: 5546.2/62

- sign 180.359+/-0.755 χ^2/NDF: 3205.4/31

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -6.496+/-0.713 χ^2/NDF:192.8/14

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

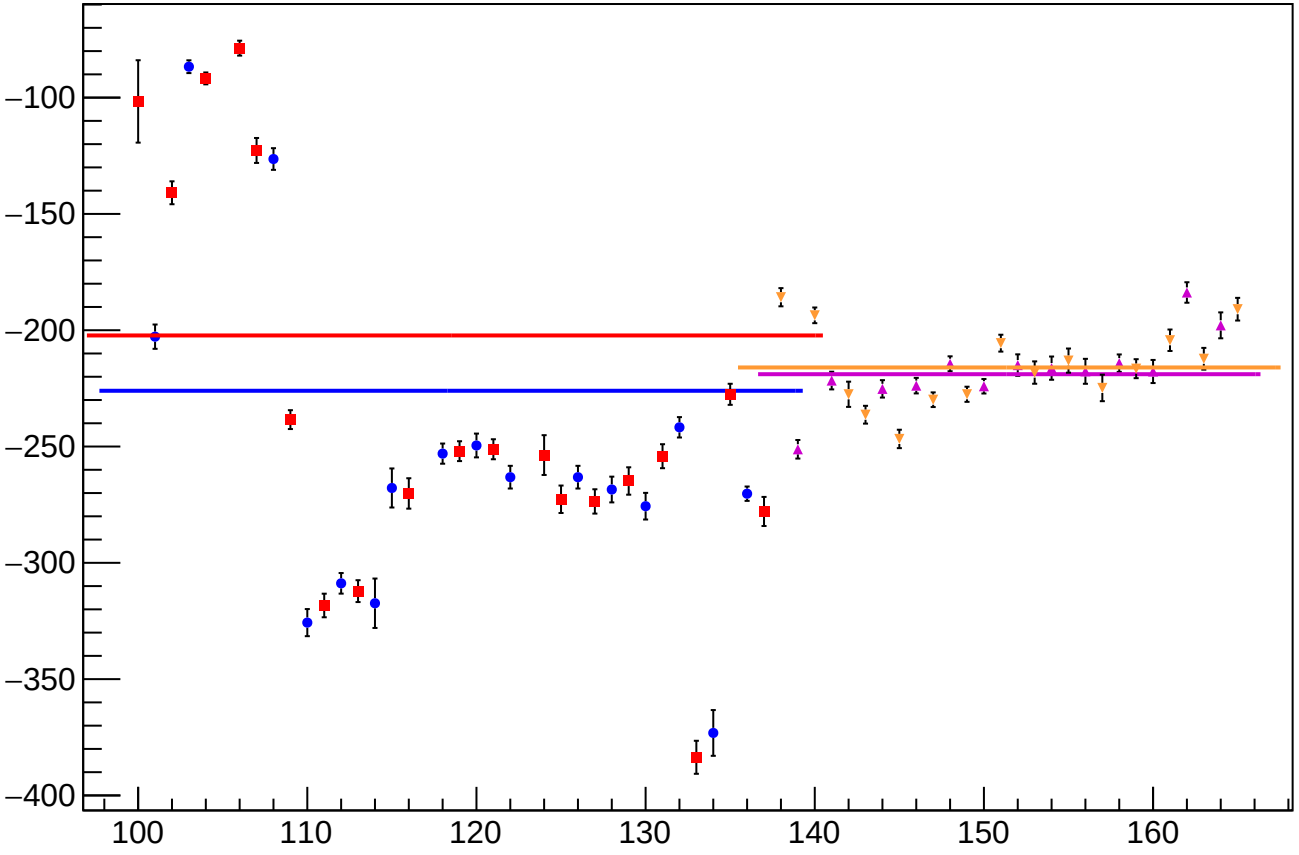
Left In: -5.477+/-0.762 χ^2/NDF:216.0/12

\+ sign -3.728+/-0.599 χ^2/NDF: 491.4/30

All: -3.484+/-0.427 χ^2/NDF: 1005.3/62

\- sign -3.231+/-0.609 χ^2/NDF: 513.6/31

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -216.007+/-1.056 χ^2/NDF:273.4/14

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

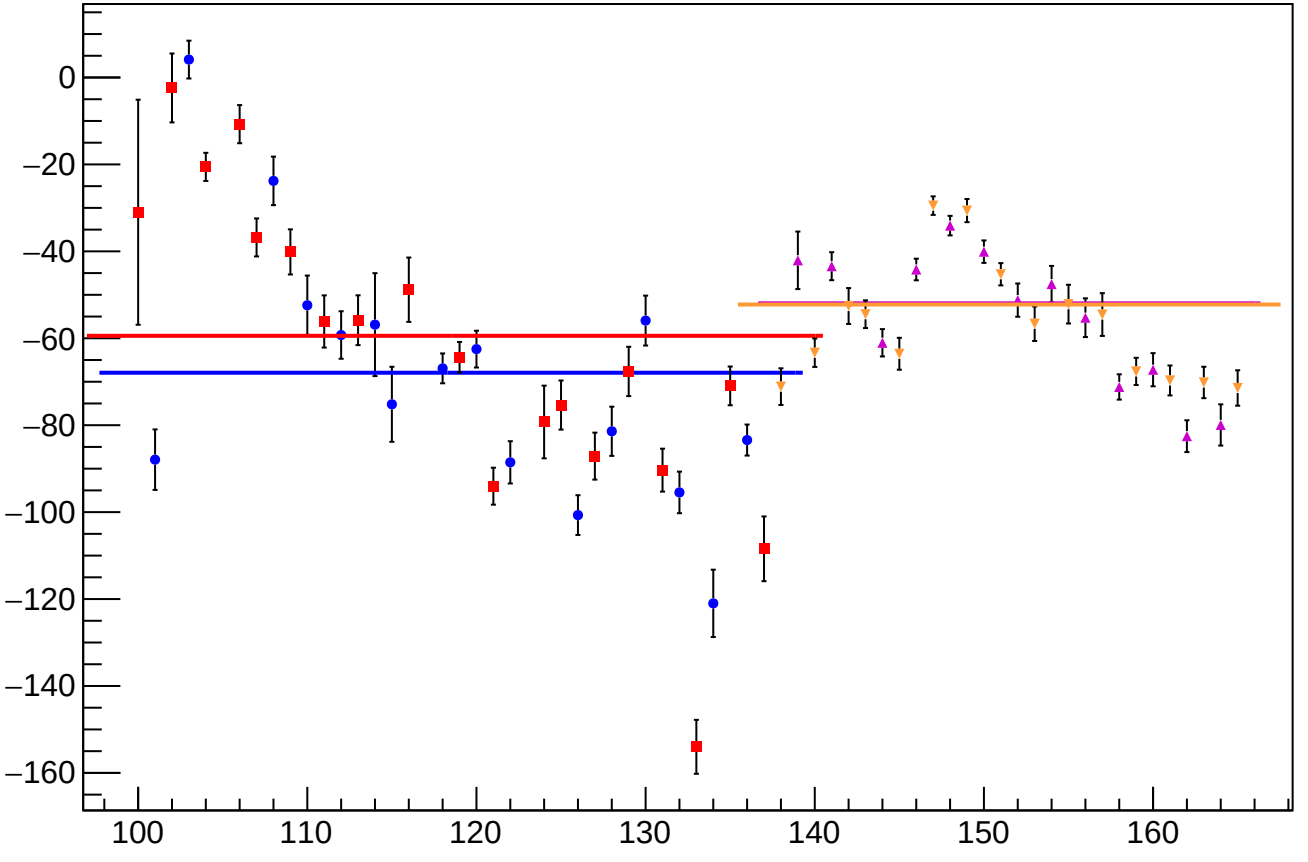
Left In: -218.903+/-1.111 χ^2/NDF:156.1/12

+ sign -220.485+/-0.785 χ^2/NDF: 4852.7/30

All: -215.384+/-0.552 χ^2/NDF: 11897.8/62

- sign -210.392+/-0.777 χ^2/NDF: 6961.6/31

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -52.233+/-0.853 χ^2/NDF:327.1/14

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

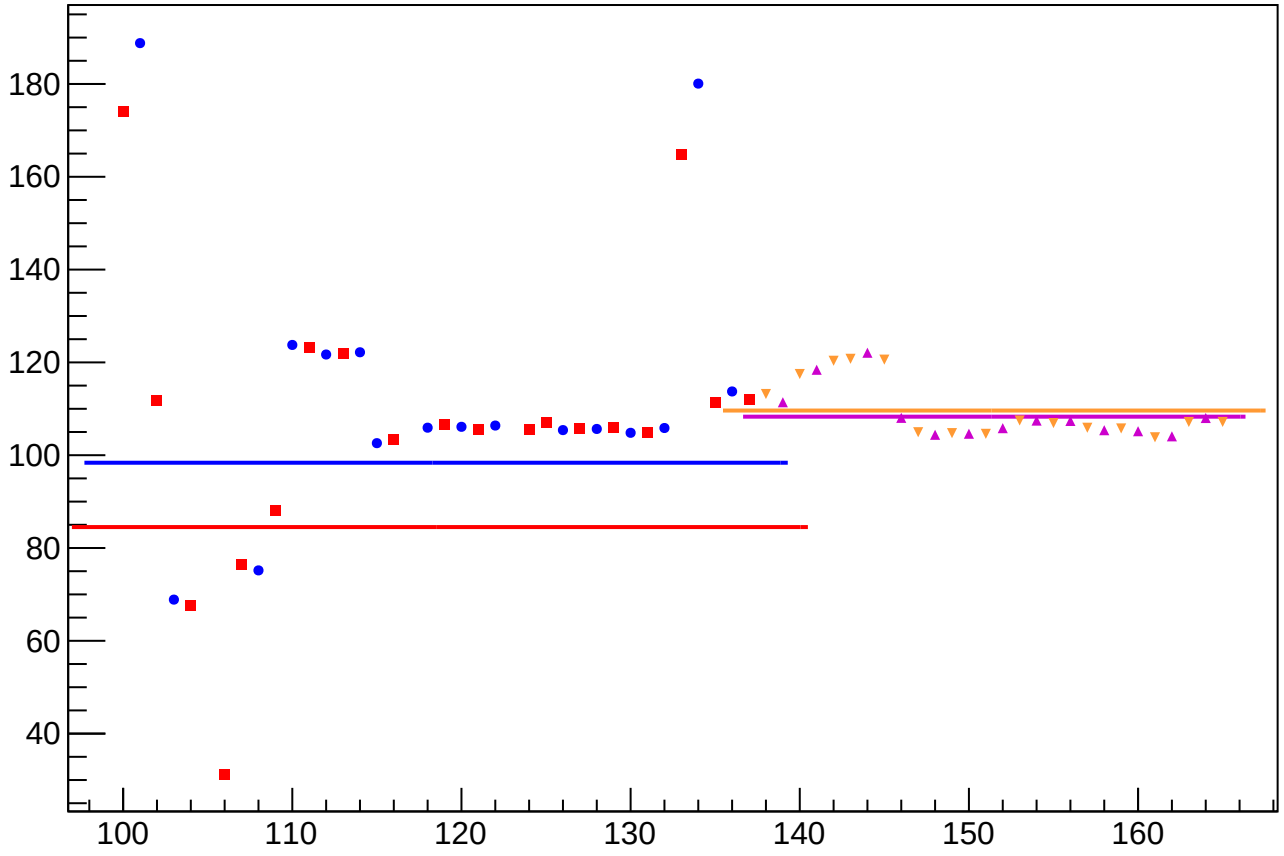
Left In: -51.957+/-0.909 χ^2/NDF:277.8/12

+ sign -57.073+/-0.710 χ^2/NDF: 965.4/30

All: -55.918+/-0.506 χ^2/NDF: 2068.5/62

- sign -54.726+/-0.721 χ^2/NDF: 1097.7/31

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 109.625+/-0.041 χ^2/NDF:22164.8/14

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

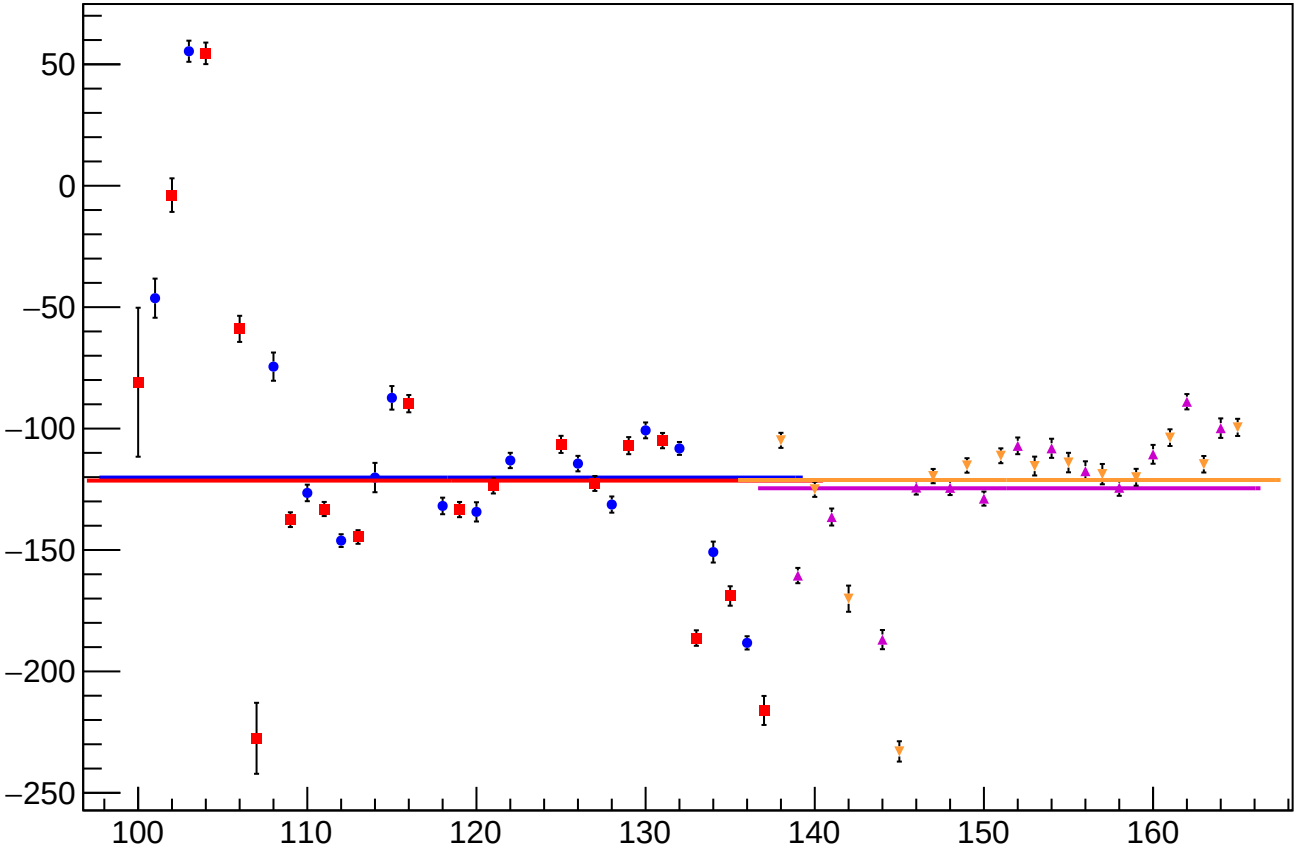
Left In: 108.304+/-0.043 χ^2/NDF:14980.6/12

+ sign 106.474+/-0.035 χ^2/NDF: 271468.3/30

All: 103.449+/-0.025 χ^2/NDF: 673396.6/62

- sign 100.441+/-0.035 χ^2/NDF: 386987.5/31

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: -121.176+/-0.931 χ^2/NDF:911.9/13

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

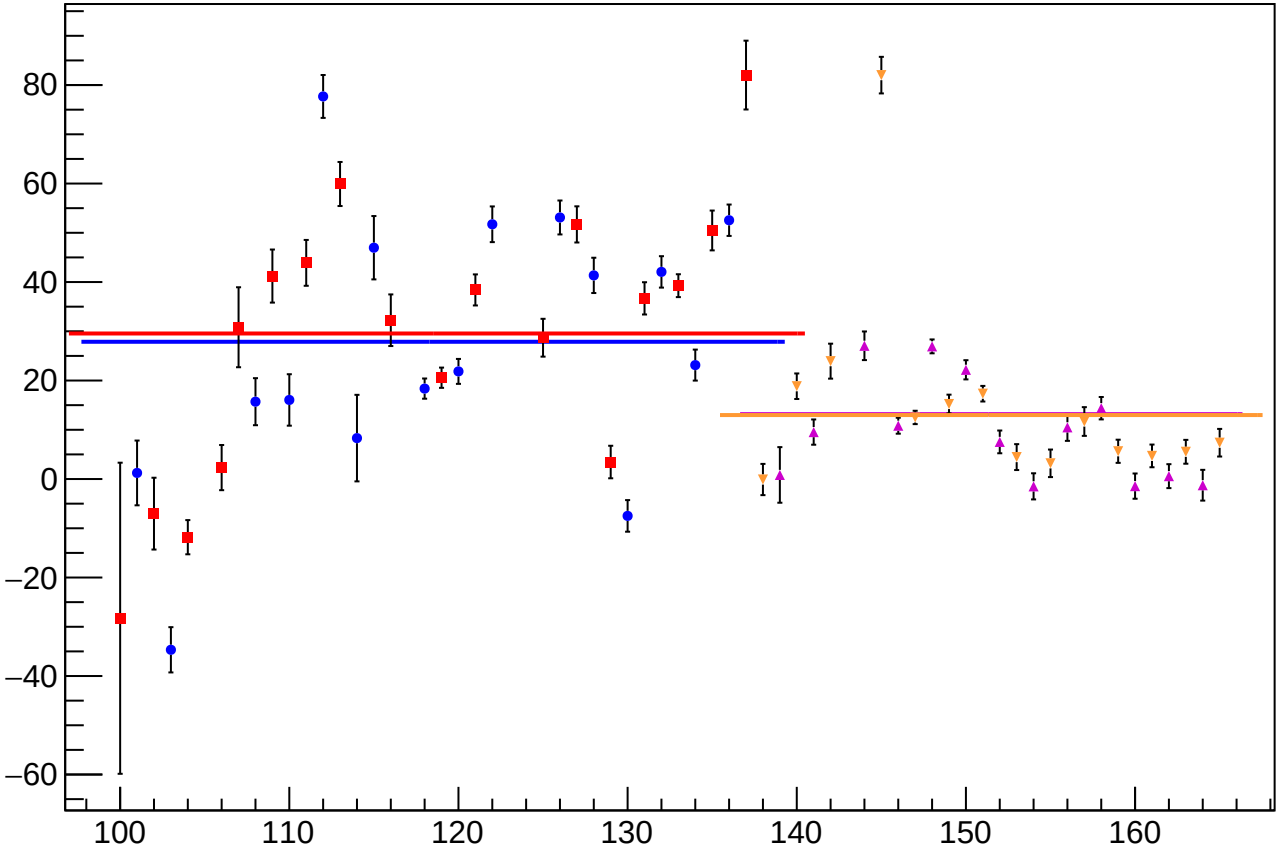
Left In: -124.580+/-0.943 χ^2/NDF:617.6/12

+ sign -120.654+/-0.644 χ^2/NDF: 3603.7/29

All: -121.771+/-0.454 χ^2/NDF: 7359.7/60

- sign -122.881+/-0.642 χ^2/NDF: 3750.0/30

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 12.991+/-0.611 χ^2/NDF:445.3/13

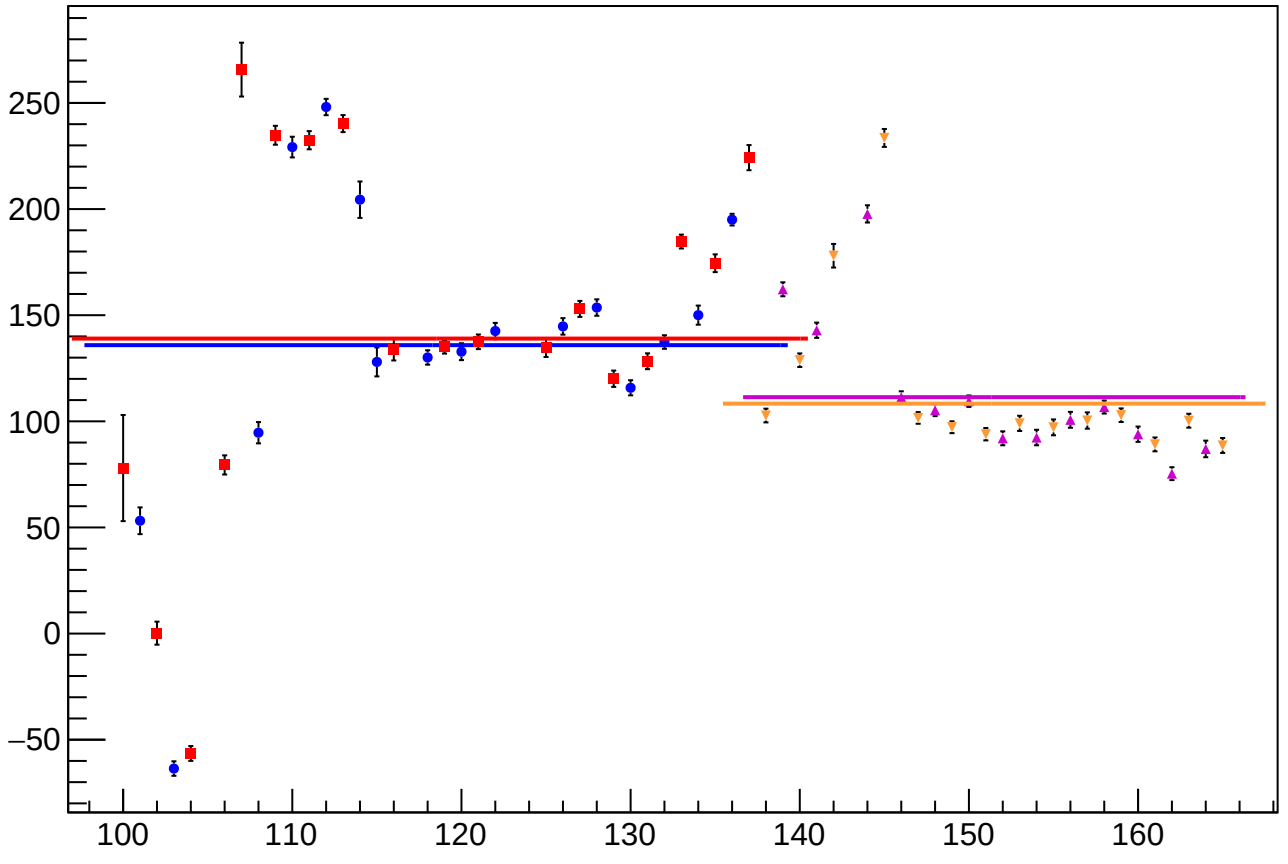
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 13.179+/-0.629 χ^2/NDF:266.8/12

+ sign 17.775+/-0.504 χ^2/NDF: 1335.4/29

All: 18.196+/-0.360 χ^2/NDF: 2327.0/60

- sign 18.634+/-0.513 χ^2/NDF: 990.2/30



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 108.330+/-0.897 χ^2/NDF:1221.8/13

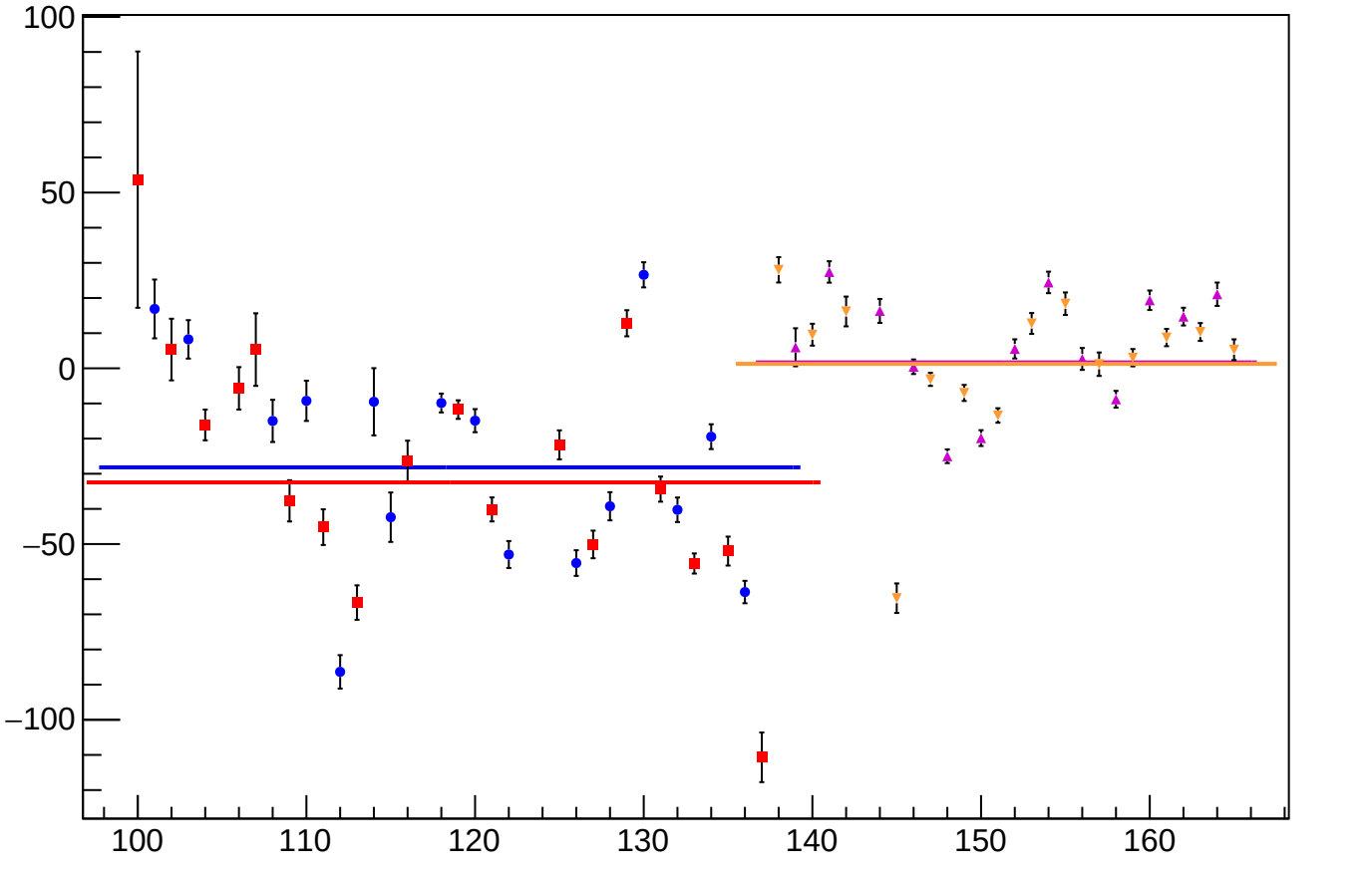
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 111.378+/-0.905 χ^2/NDF:1048.7/12

\+ sign 120.639+/-0.667 χ^2/NDF: 7106.7/29

All: 122.231+/-0.473 χ^2/NDF: 14742.9/60

\- sign 123.837+/-0.671 χ^2/NDF: 7624.8/30



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.272+/-0.724 χ^2/NDF:463.7/13

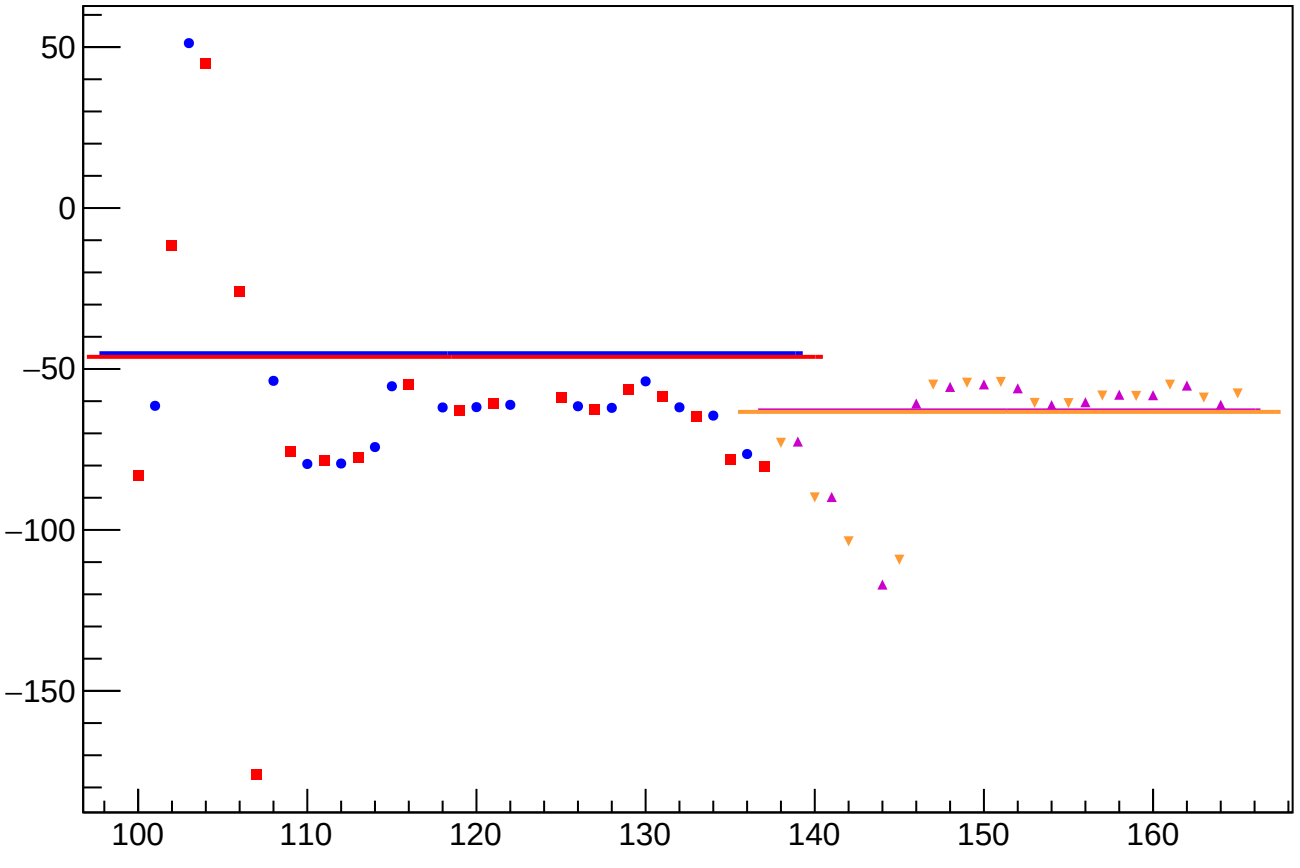
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.688+/-0.742 χ^2/NDF:545.6/12

+ sign -8.560+/-0.591 χ^2/NDF: 1807.6/29

All: -9.276+/-0.421 χ^2/NDF: 3663.0/60

- sign -10.019+/-0.602 χ^2/NDF: 1852.4/30



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -63.328+/-0.034 χ^2/NDF:178353.9/13

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

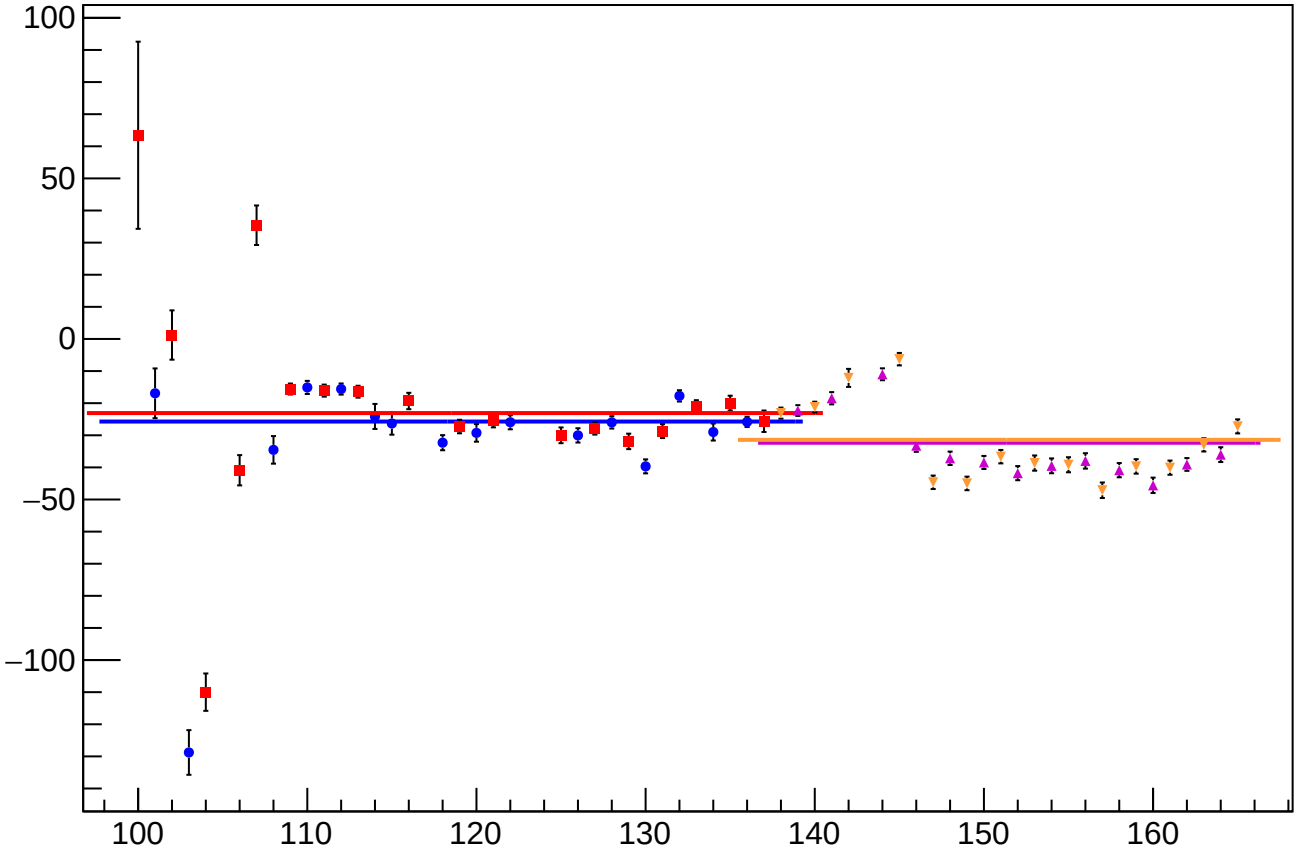
Left In: -62.867+/-0.034 χ^2/NDF:150306.0/12

\+ sign -58.900+/-0.030 χ^2/NDF: 823045.5/29

All: -58.979+/-0.021 χ^2/NDF: 1521483.9/60

\- sign -59.060+/-0.030 χ^2/NDF: 698423.9/30

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: -31.422+/-0.565 χ^2/NDF:457.4/13

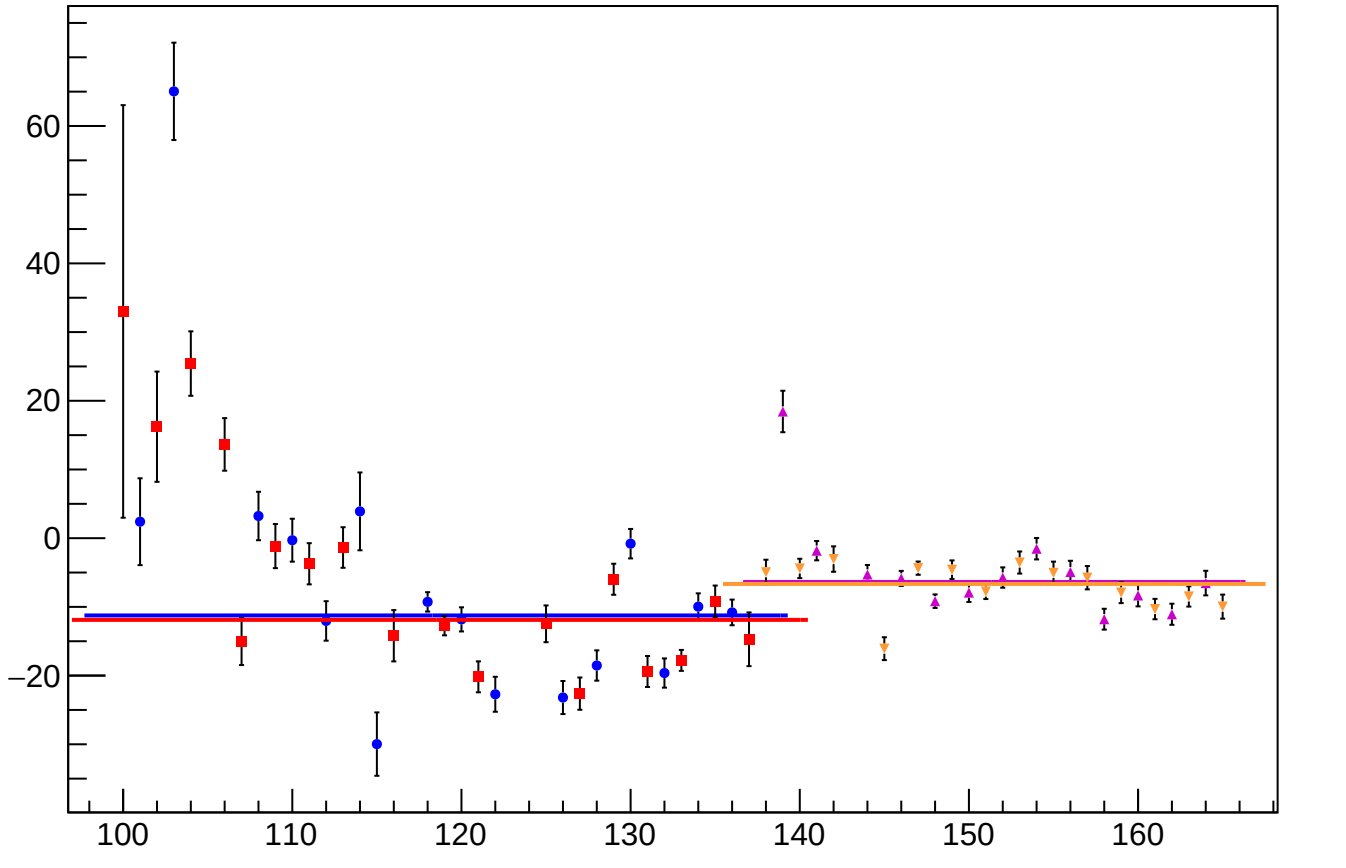
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.322+/-0.573 χ^2/NDF:328.5/12

+ sign -28.696+/-0.408 χ^2/NDF: 869.0/29

All: -28.236+/-0.289 χ^2/NDF: 1765.4/60

- sign -27.775+/-0.408 χ^2/NDF: 893.8/30



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.662+/-0.387 χ^2/NDF:65.2/13

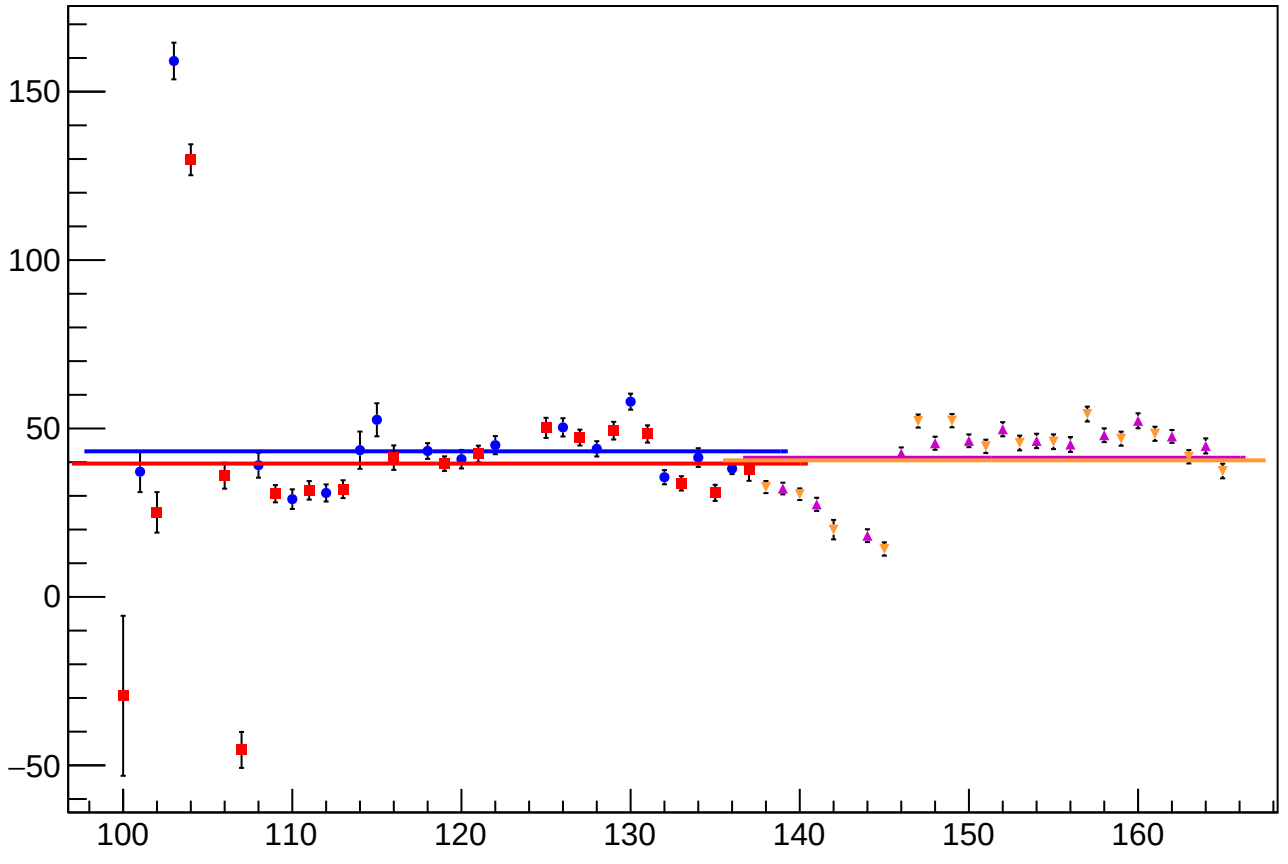
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.375+/-0.397 χ^2/NDF:122.6/12

\+ sign -8.007+/-0.325 χ^2/NDF: 377.5/29

All: -8.016+/-0.232 χ^2/NDF: 782.5/60

\- sign -8.026+/-0.332 χ^2/NDF: 404.9/30



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.551+/-0.549 χ^2/NDF:431.7/13

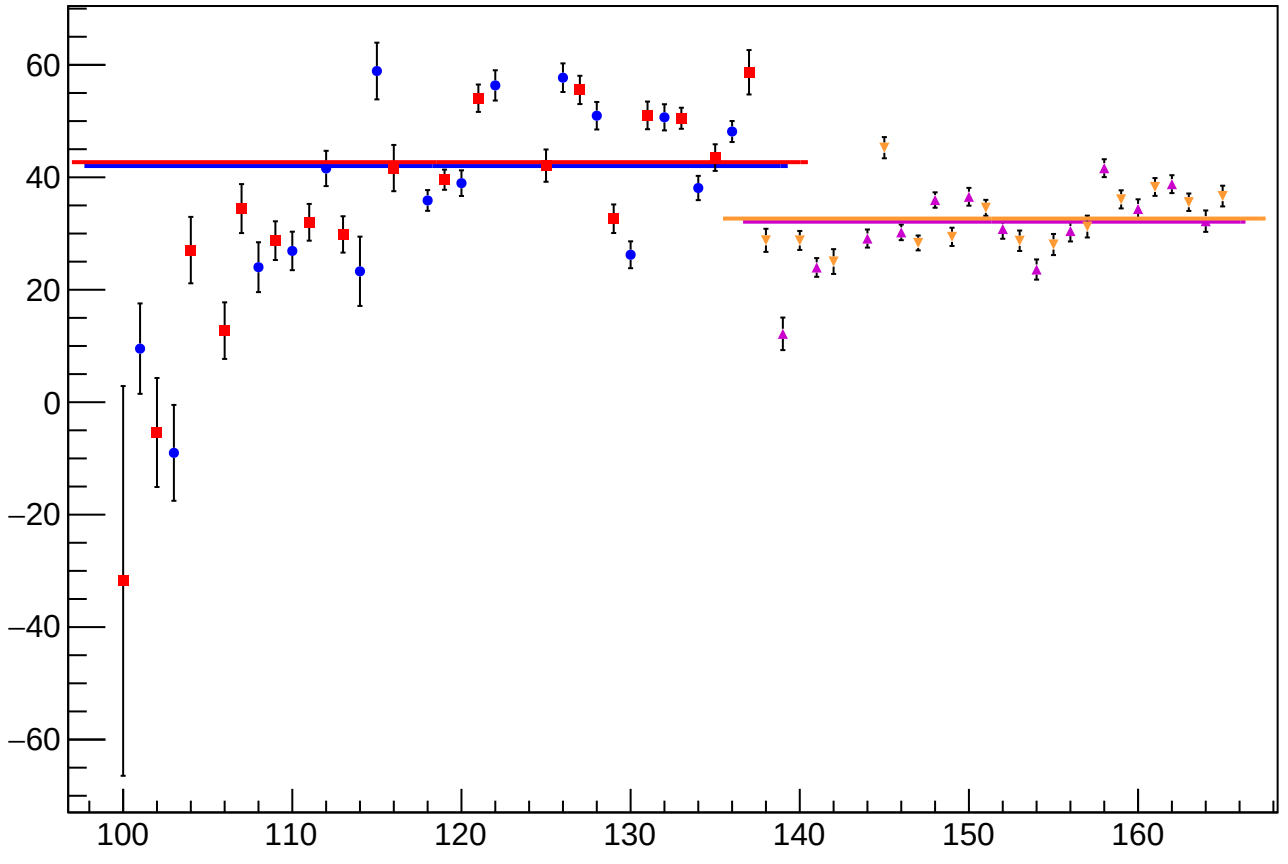
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 41.314+/-0.554 χ^2/NDF:309.3/12

+ sign 41.608+/-0.427 χ^2/NDF: 1017.1/29

All: 41.124+/-0.303 χ^2/NDF: 2086.8/60

- sign 40.631+/-0.431 χ^2/NDF: 1067.1/30



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.663+/-0.453 χ^2/NDF:118.9/13

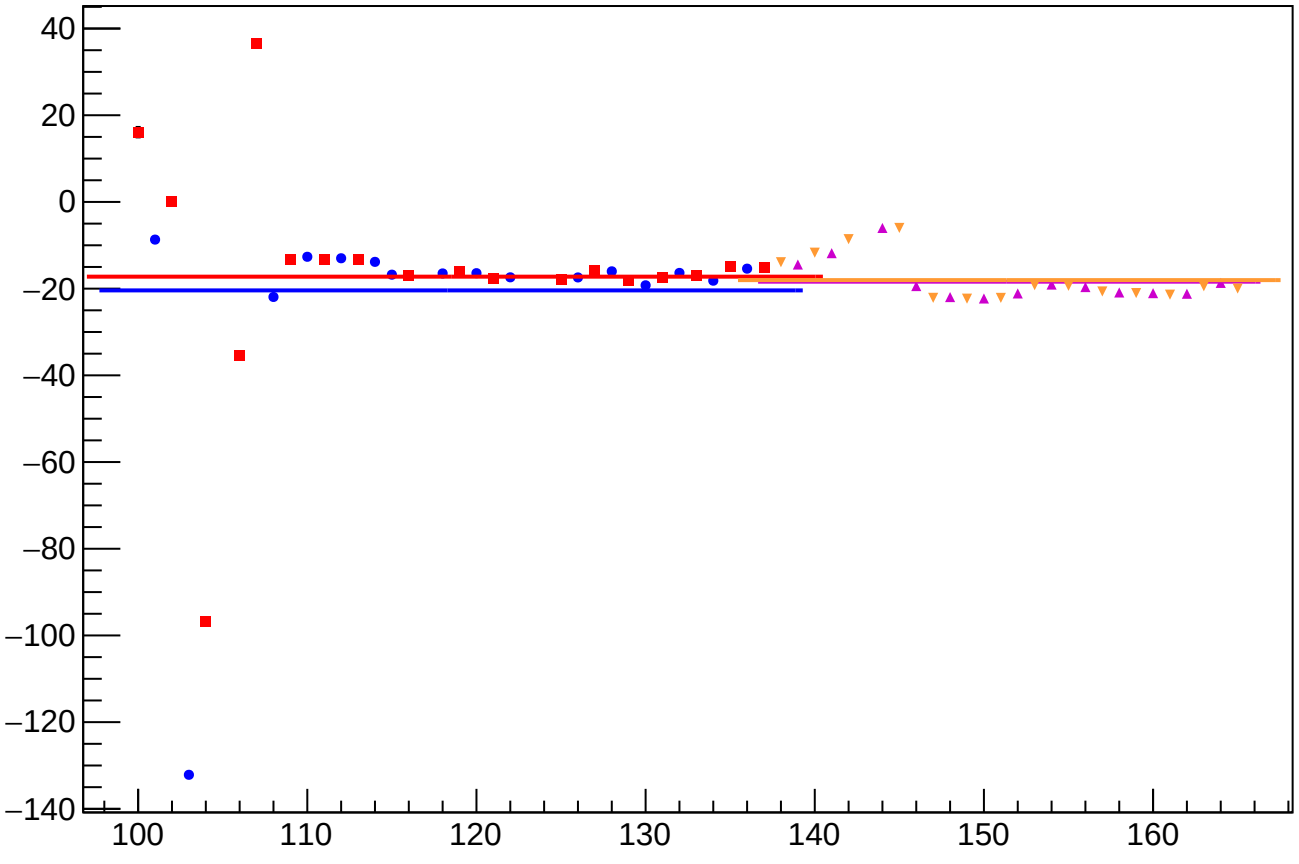
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.109+/-0.464 χ^2/NDF:171.3/12

\+ sign 35.512+/-0.378 χ^2/NDF: 521.4/29

All: 35.444+/-0.270 χ^2/NDF: 1083.8/60

\- sign 35.372+/-0.386 χ^2/NDF: 562.3/30



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.034+/-0.021 χ^2/NDF:54608.8/13

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

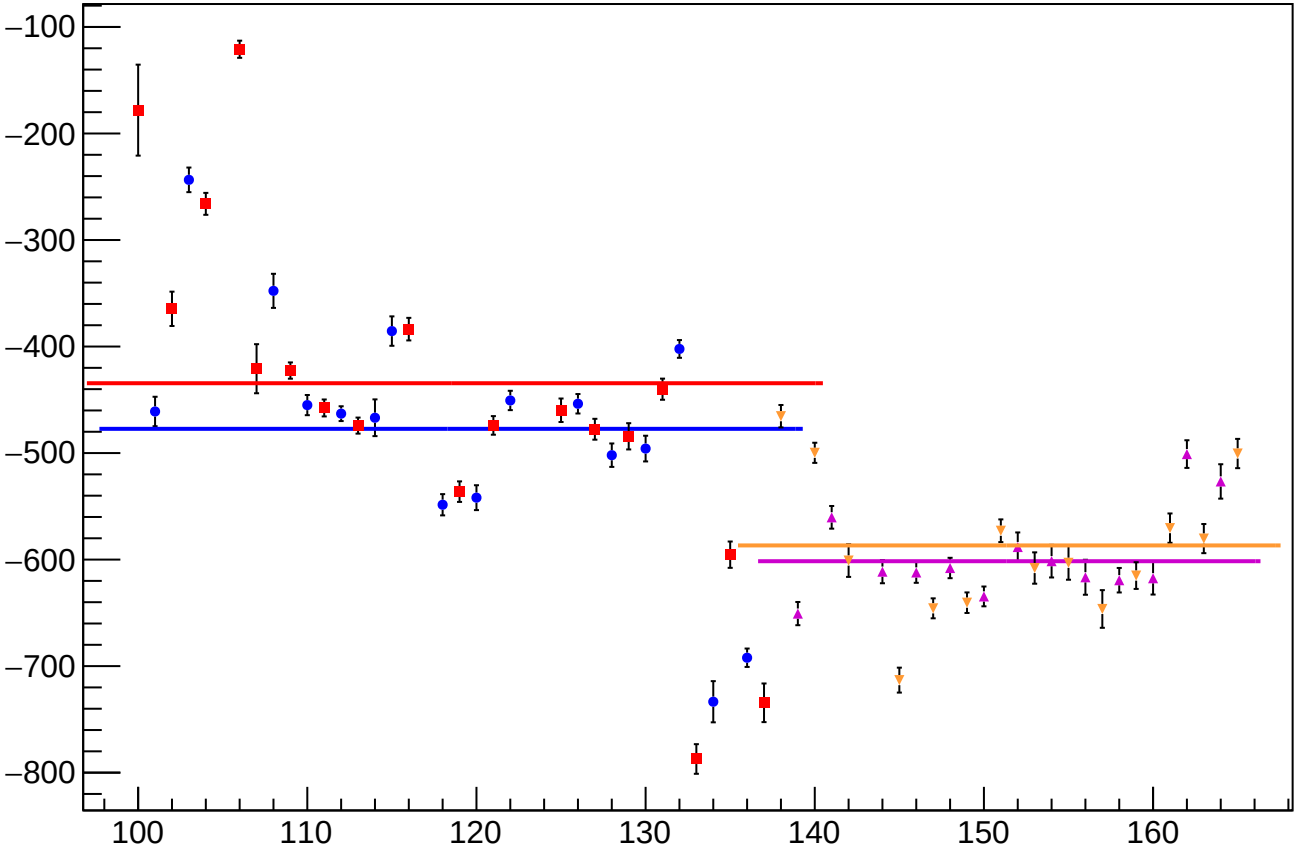
Left In: -18.392+/-0.021 χ^2/NDF:42234.0/12

+ sign -18.502+/-0.019 χ^2/NDF: 302789.6/29

All: -18.343+/-0.013 χ^2/NDF: 550389.5/60

- sign -18.181+/-0.019 χ^2/NDF: 247453.3/30

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: -586.704+/-3.214 χ^2/NDF:468.2/13

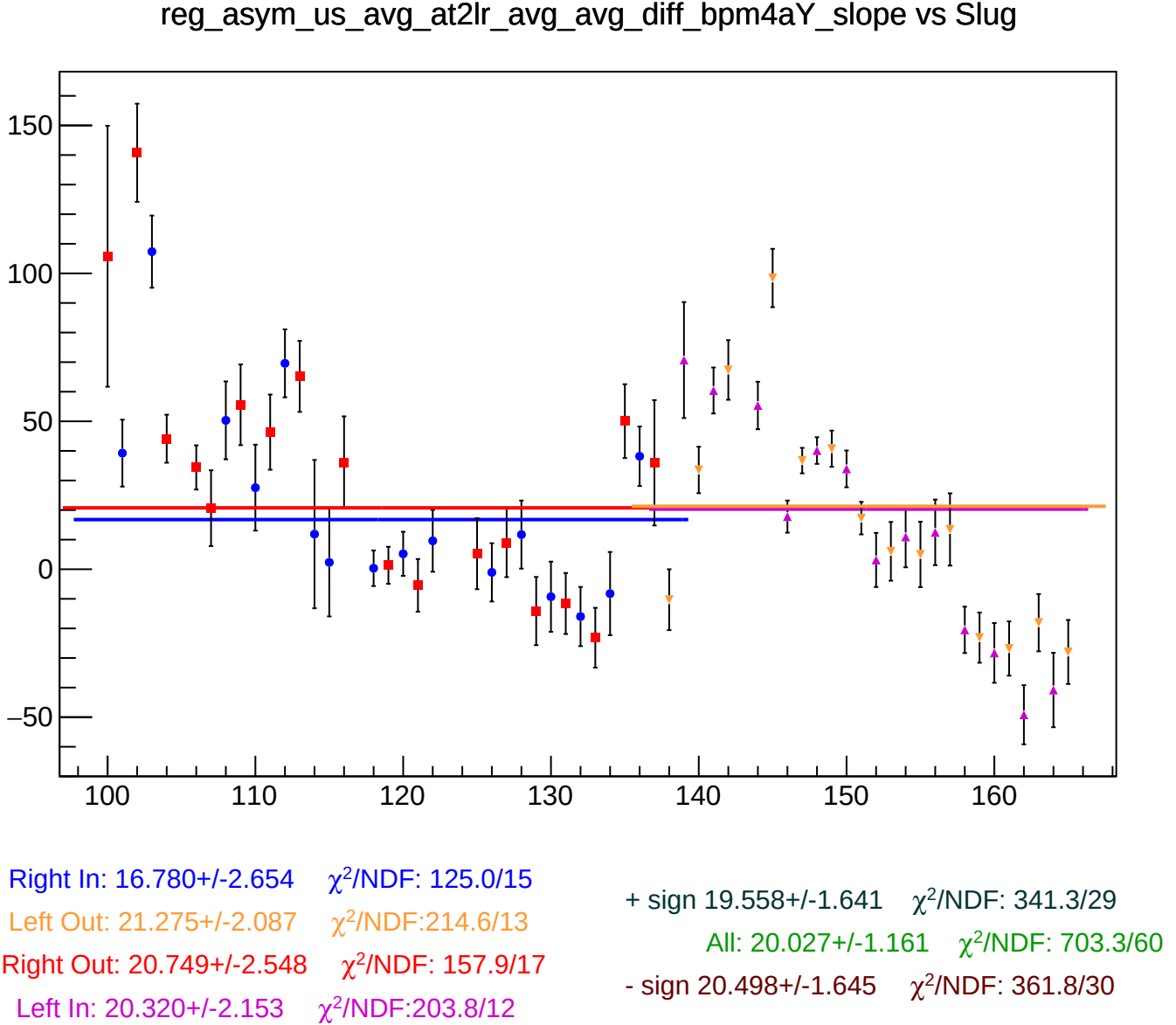
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -601.522+/-3.268 χ^2/NDF:137.2/12

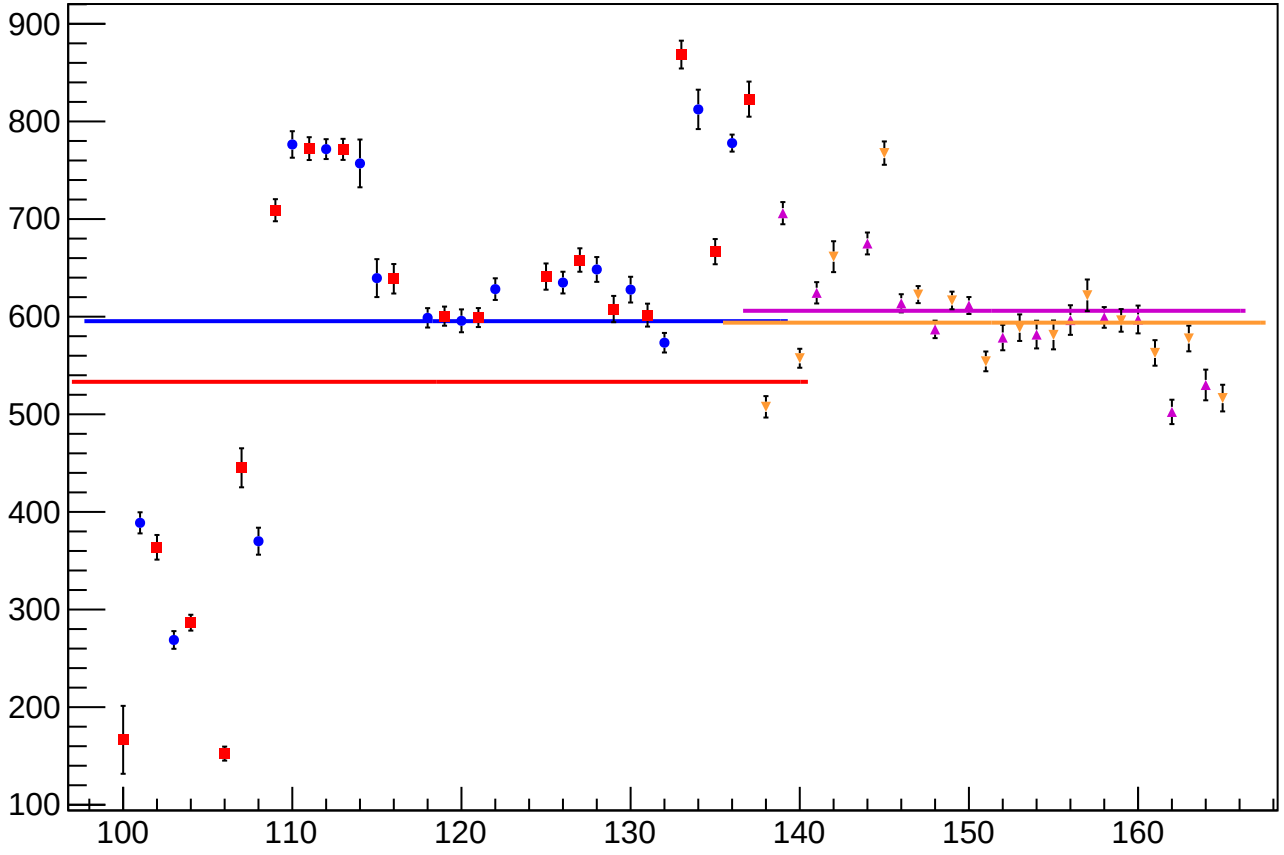
+ sign -521.205+/-2.037 χ^2/NDF: 2672.8/29

All: -507.644+/-1.415 χ^2/NDF: 7724.3/60

- sign -494.993+/-1.967 χ^2/NDF: 4965.8/30


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: 16.780+/-2.654 χ²/NDF: 125.0/15
Left Out: 21.275+/-2.087 χ²/NDF:214.6/13
Right Out: 20.749+/-2.548 χ²/NDF: 157.9/17
Left In: 20.320+/-2.153 χ²/NDF:203.8/12
+ sign 19.558+/-1.641 χ²/NDF: 341.3/29
All: 20.027+/-1.161 χ²/NDF: 703.3/60
- sign 20.498+/-1.645 χ²/NDF: 361.8/30

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: 593.883+/-3.112 χ^2/NDF:380.4/13

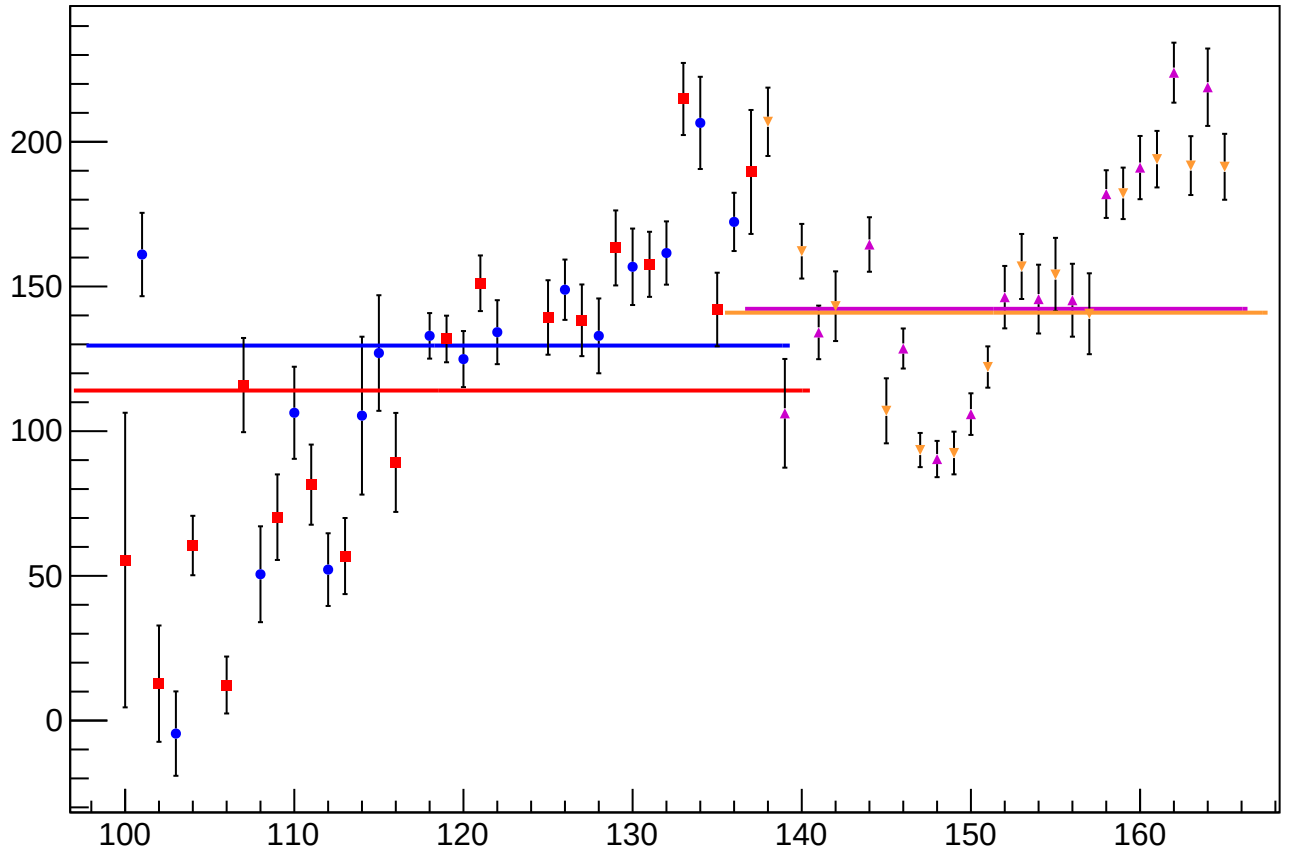
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 606.030+/-3.149 χ^2/NDF:224.5/12

+ sign 594.691+/-2.133 χ^2/NDF: 3440.3/29

All: 579.245+/-1.485 χ^2/NDF: 10572.5/60

- sign 564.708+/-2.070 χ^2/NDF: 7030.5/30



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 140.951+/-2.503 χ^2/NDF:258.8/13

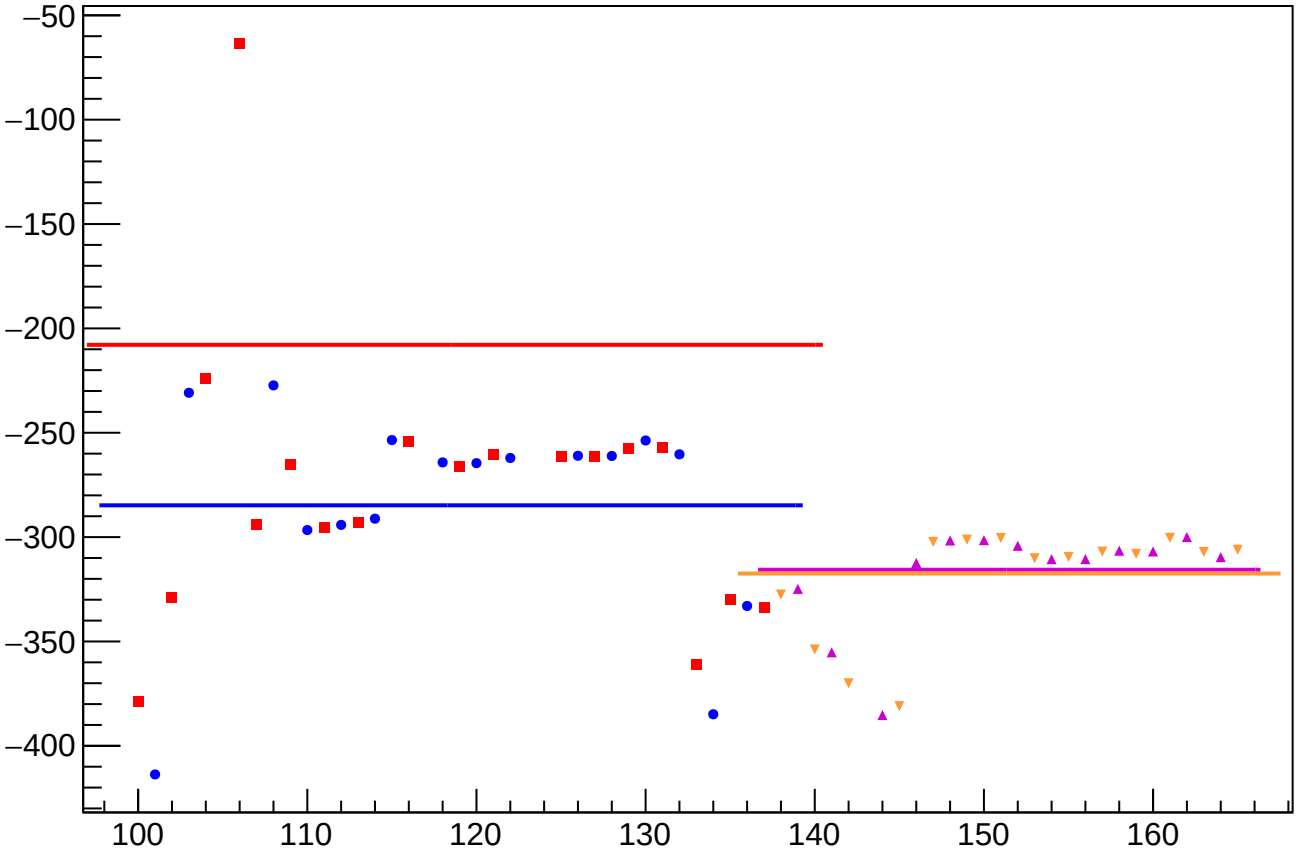
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 142.278+/-2.570 χ^2/NDF:246.3/12

+ sign 136.432+/-1.943 χ^2/NDF: 478.2/29

All: 133.330+/-1.375 χ^2/NDF: 1117.1/60

- sign 130.219+/-1.945 χ^2/NDF: 633.7/30



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -317.450+/-0.121 χ^2/NDF:41022.3/13

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

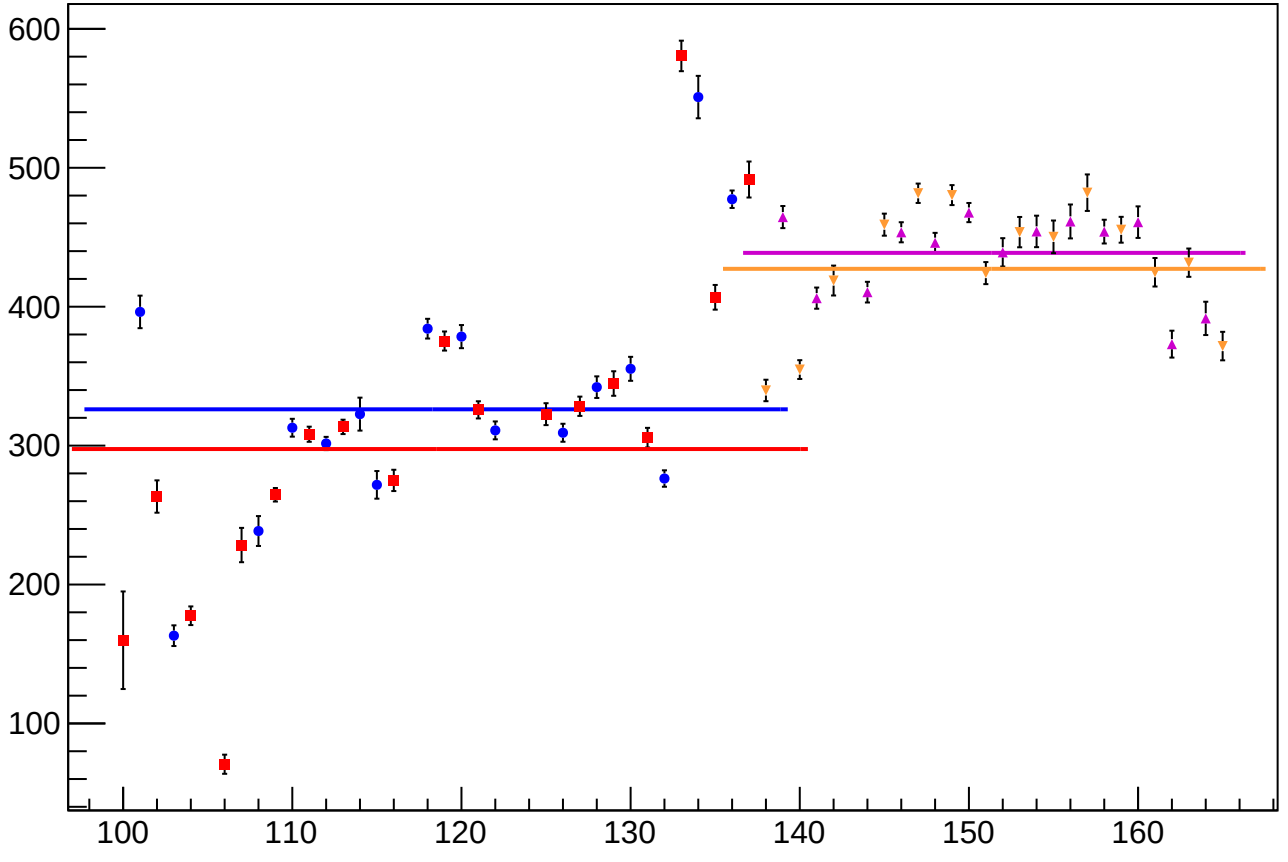
Left In: -315.629+/-0.121 χ^2/NDF:33664.5/12

+ sign -307.102+/-0.100 χ^2/NDF: 168551.6/29

All: -288.911+/-0.068 χ^2/NDF: 1117539.2/60

- sign -272.901+/-0.094 χ^2/NDF: 886657.2/30

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: 427.264+/-2.354 χ^2/NDF:441.3/13

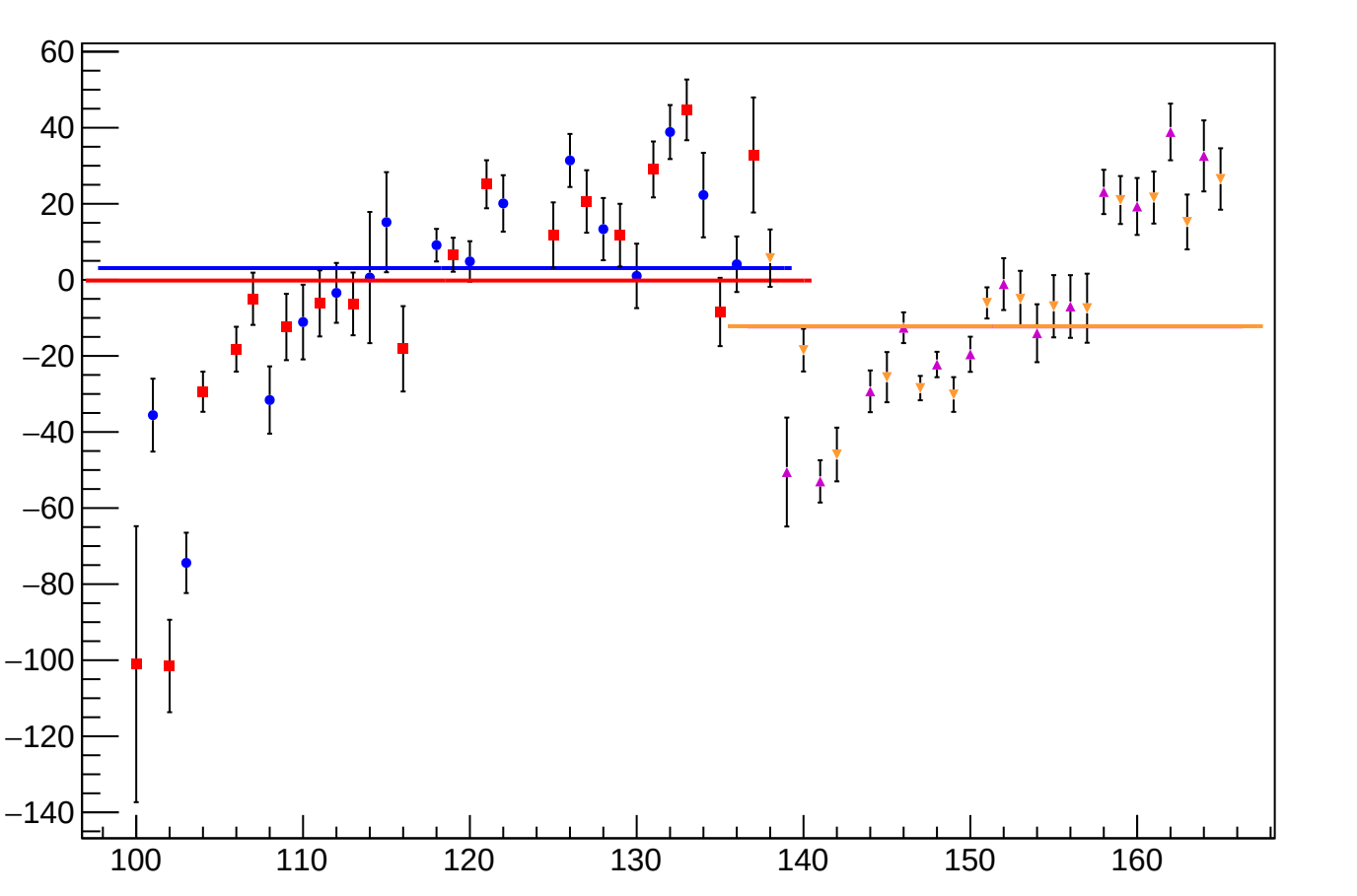
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 438.754+/-2.396 χ^2/NDF:139.9/12

+ sign 364.926+/-1.458 χ^2/NDF: 3222.2/29

All: 355.166+/-1.012 χ^2/NDF: 8503.2/60

- sign 346.099+/-1.405 χ^2/NDF: 5194.5/30



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -12.192+/-1.536 χ^2/NDF:168.6/13

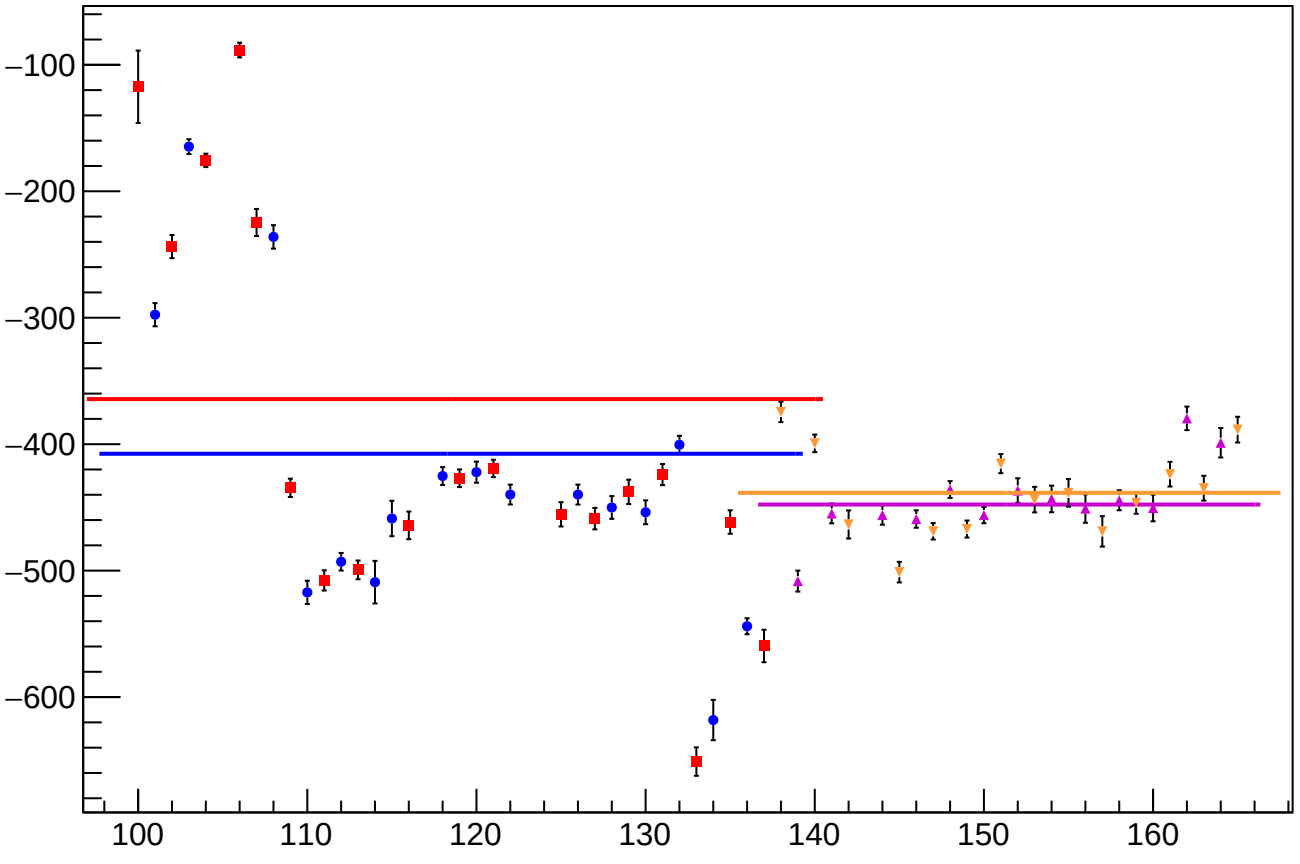
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -12.240+/-1.585 χ^2/NDF:209.9/12

\+ sign -6.118+/-1.192 χ^2/NDF: 392.5/29

All: -6.533+/-0.841 χ^2/NDF: 833.2/60

\- sign -6.944+/-1.187 χ^2/NDF: 440.5/30



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -438.484+/-2.284 χ^2/NDF:242.6/13

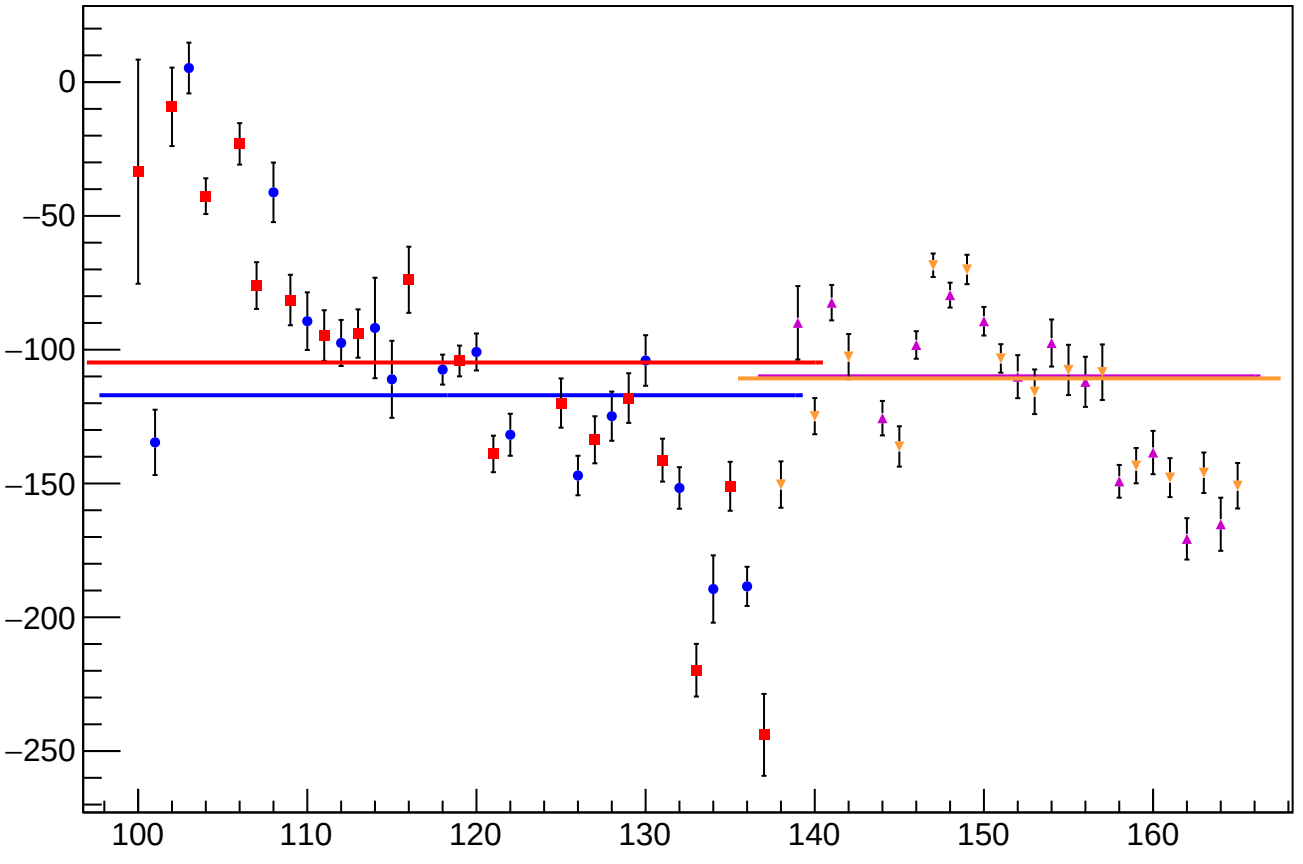
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -447.725+/-2.312 χ^2/NDF:135.8/12

+ sign -421.544+/-1.535 χ^2/NDF: 3623.5/29

All: -409.824+/-1.068 χ^2/NDF: 10855.4/60

- sign -398.824+/-1.487 χ^2/NDF: 7118.9/30



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -110.731+/-1.841 χ^2/NDF:281.7/13

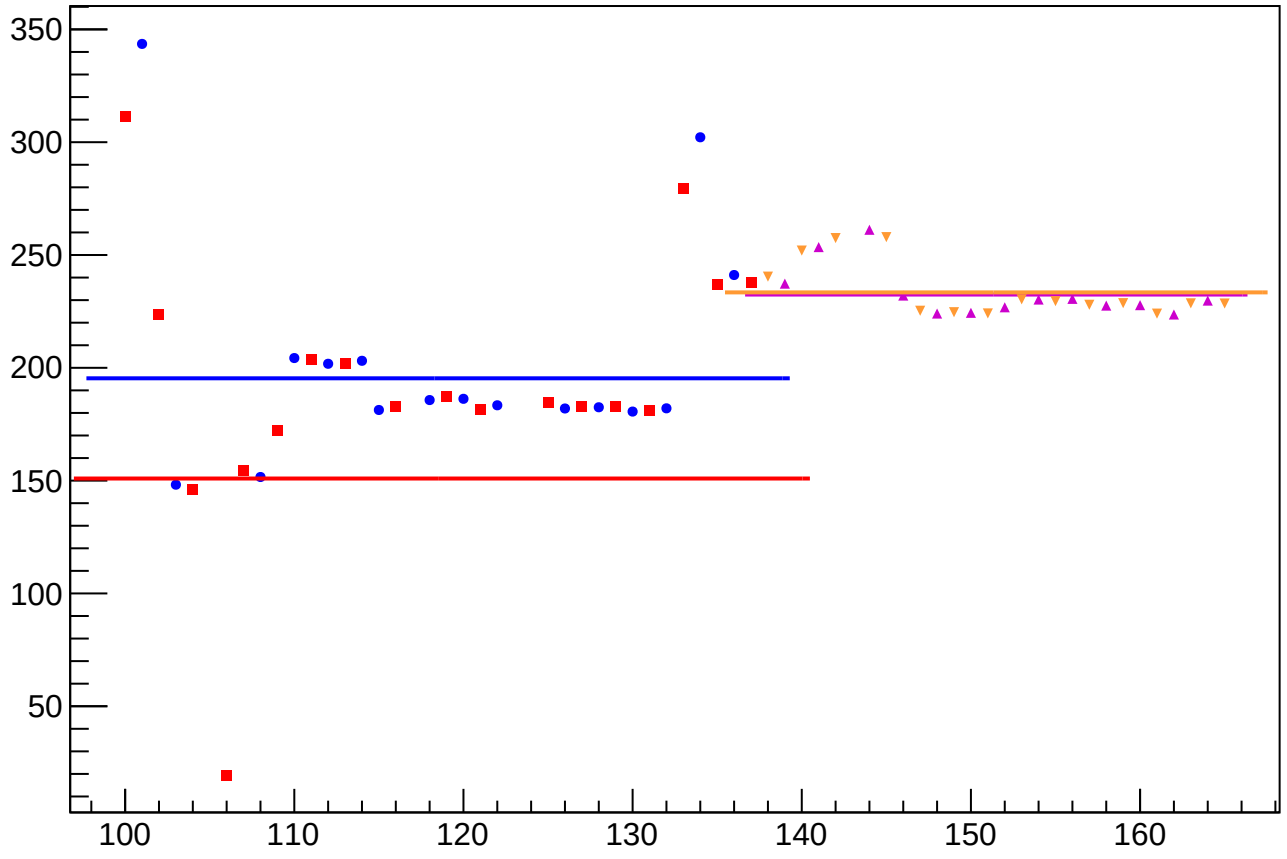
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -109.963+/-1.891 χ^2/NDF:236.1/12

+ sign -113.329+/-1.410 χ^2/NDF: 694.4/29

All: -110.464+/-0.994 χ^2/NDF: 1517.2/60

- sign -107.631+/-1.402 χ^2/NDF: 814.6/30



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 233.432+/-0.089 χ^2/NDF:17065.6/13

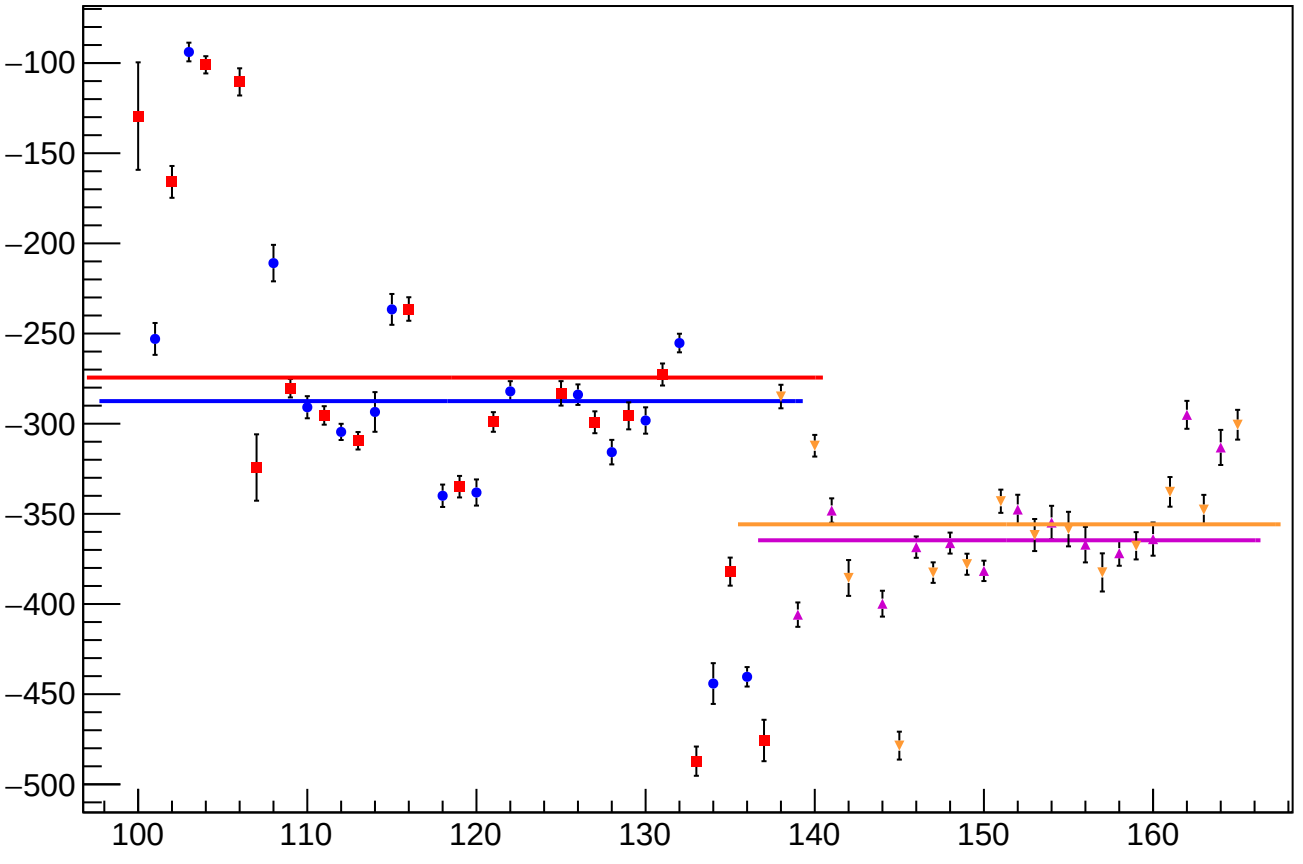
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 232.471+/-0.089 χ^2/NDF:15012.6/12

+ sign 220.607+/-0.072 χ^2/NDF: 255961.8/29

All: 210.029+/-0.050 χ^2/NDF: 1143230.5/60

- sign 200.363+/-0.069 χ^2/NDF: 846326.9/30



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -355.803+/-1.974 χ^2/NDF:531.6/13

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

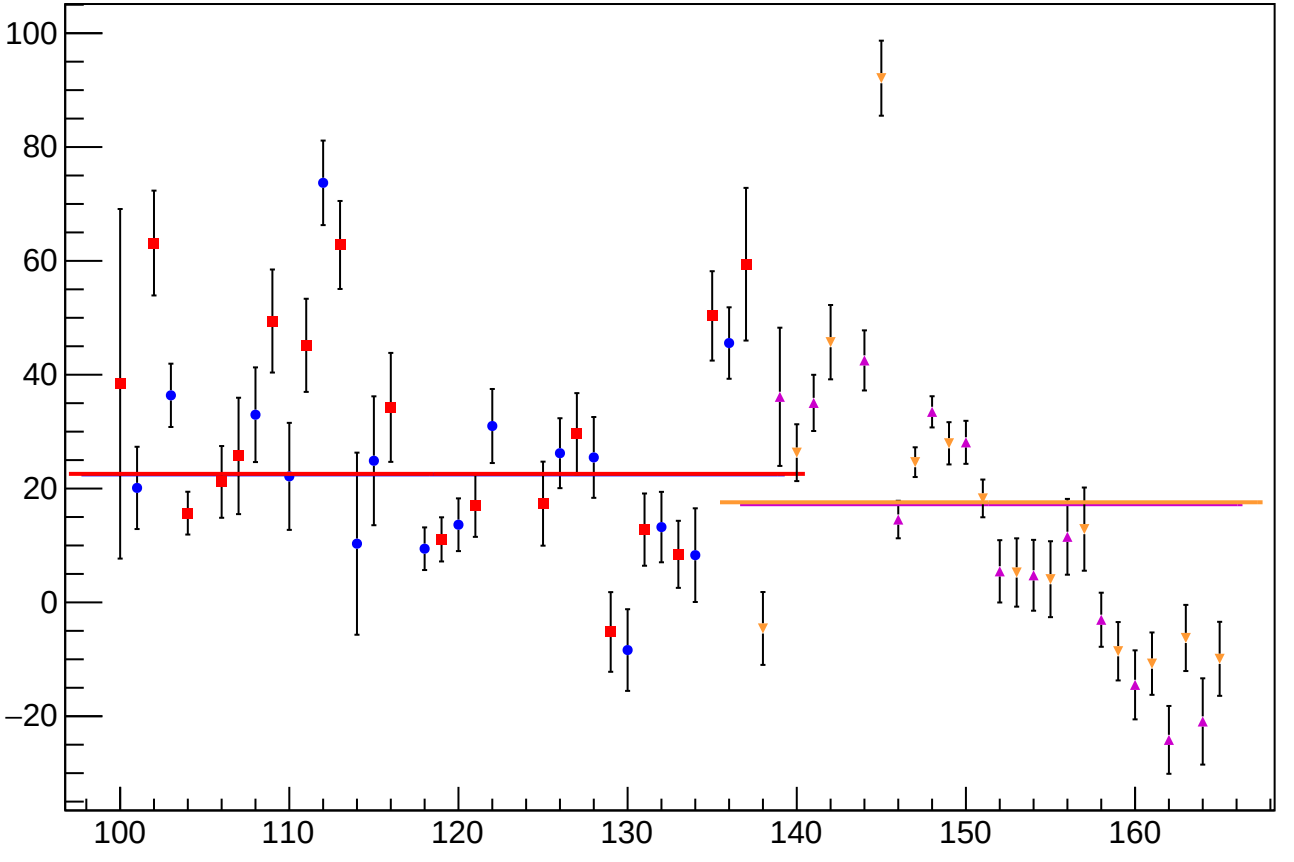
Left In: -364.659+/-2.004 χ^2/NDF:191.9/12

\+ sign -314.795+/-1.248 χ^2/NDF: 3947.2/29

All: -311.458+/-0.875 χ^2/NDF: 8834.5/60

\- sign -308.234+/-1.227 χ^2/NDF: 4873.3/30

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 17.587+/-1.276 χ^2/NDF:272.7/13

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

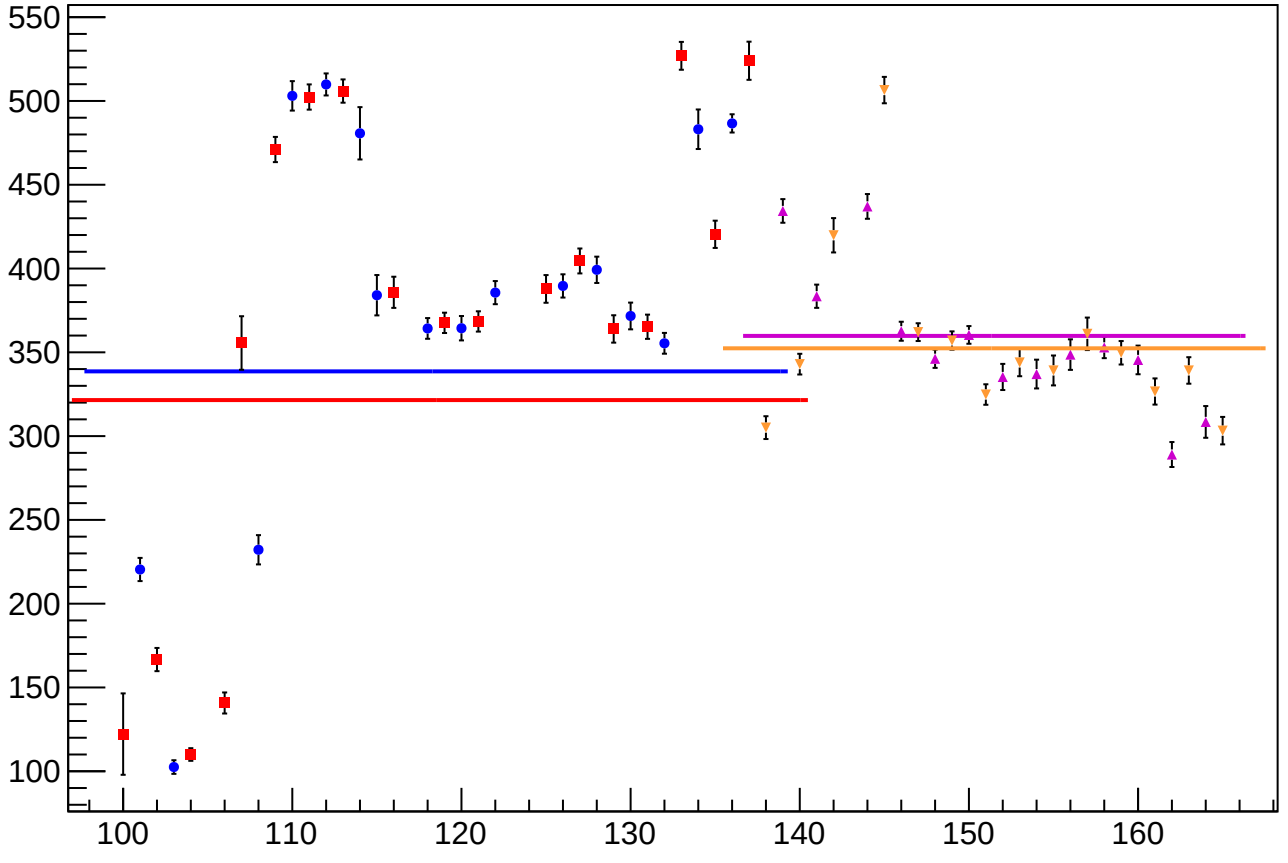
Left In: 17.250+/-1.316 χ^2/NDF:211.0/12

\+ sign 19.463+/-1.002 χ^2/NDF: 389.8/29

All: 19.456+/-0.711 χ^2/NDF: 730.9/60

\- sign 19.449+/-1.008 χ^2/NDF: 341.1/30

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: 352.394+/-1.907 χ^2/NDF:554.9/13

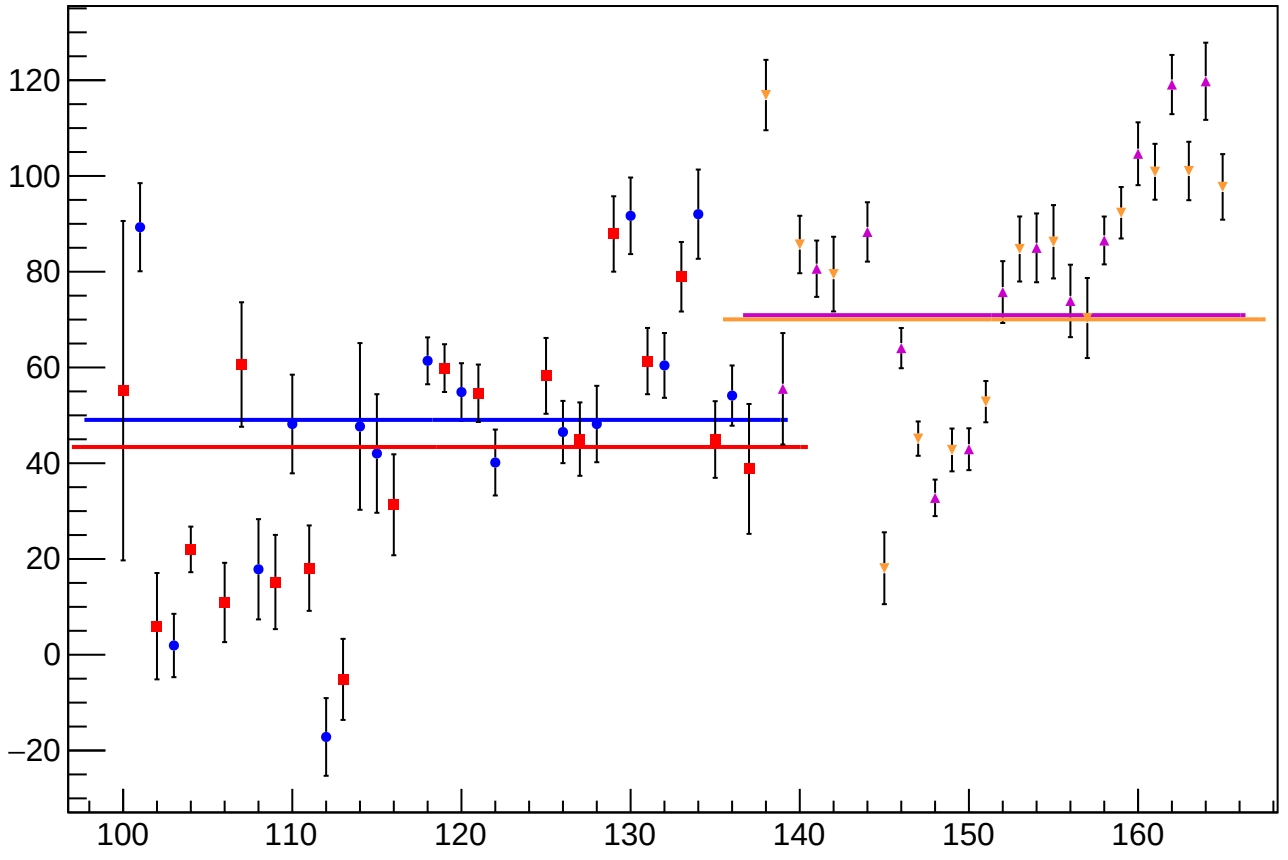
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 359.798+/-1.928 χ^2/NDF:381.5/12

\+ sign 344.916+/-1.289 χ^2/NDF: 6625.8/29

All: 341.511+/-0.906 χ^2/NDF: 14964.6/60

\- sign 338.191+/-1.273 χ^2/NDF: 8325.0/30



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 70.049+/-1.530 χ^2/NDF:294.6/13

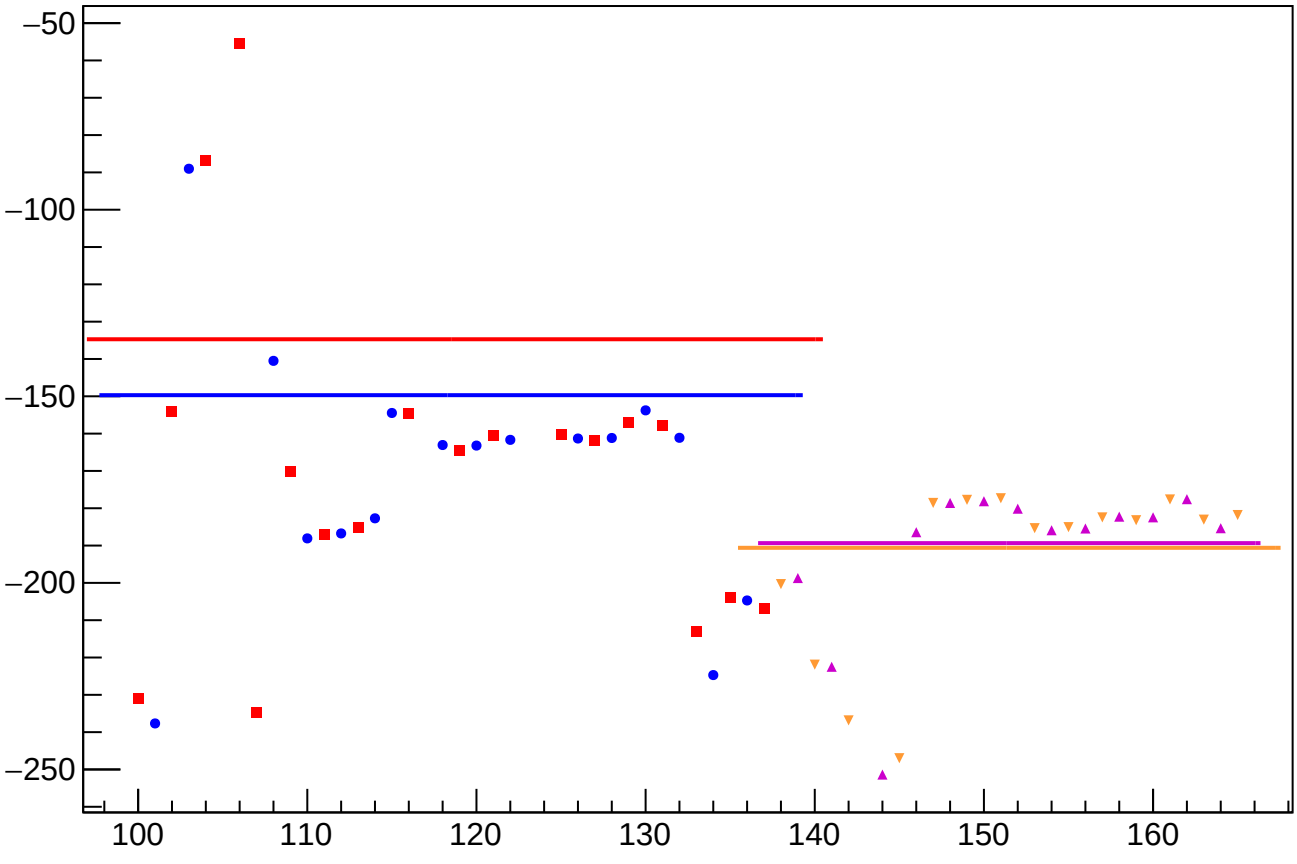
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 70.928+/-1.570 χ^2/NDF:294.2/12

+ sign 61.699+/-1.187 χ^2/NDF: 577.5/29

All: 60.495+/-0.841 χ^2/NDF: 1183.8/60

- sign 59.280+/-1.193 χ^2/NDF: 604.3/30



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -190.603+/-0.074 χ^2/NDF:73678.7/13

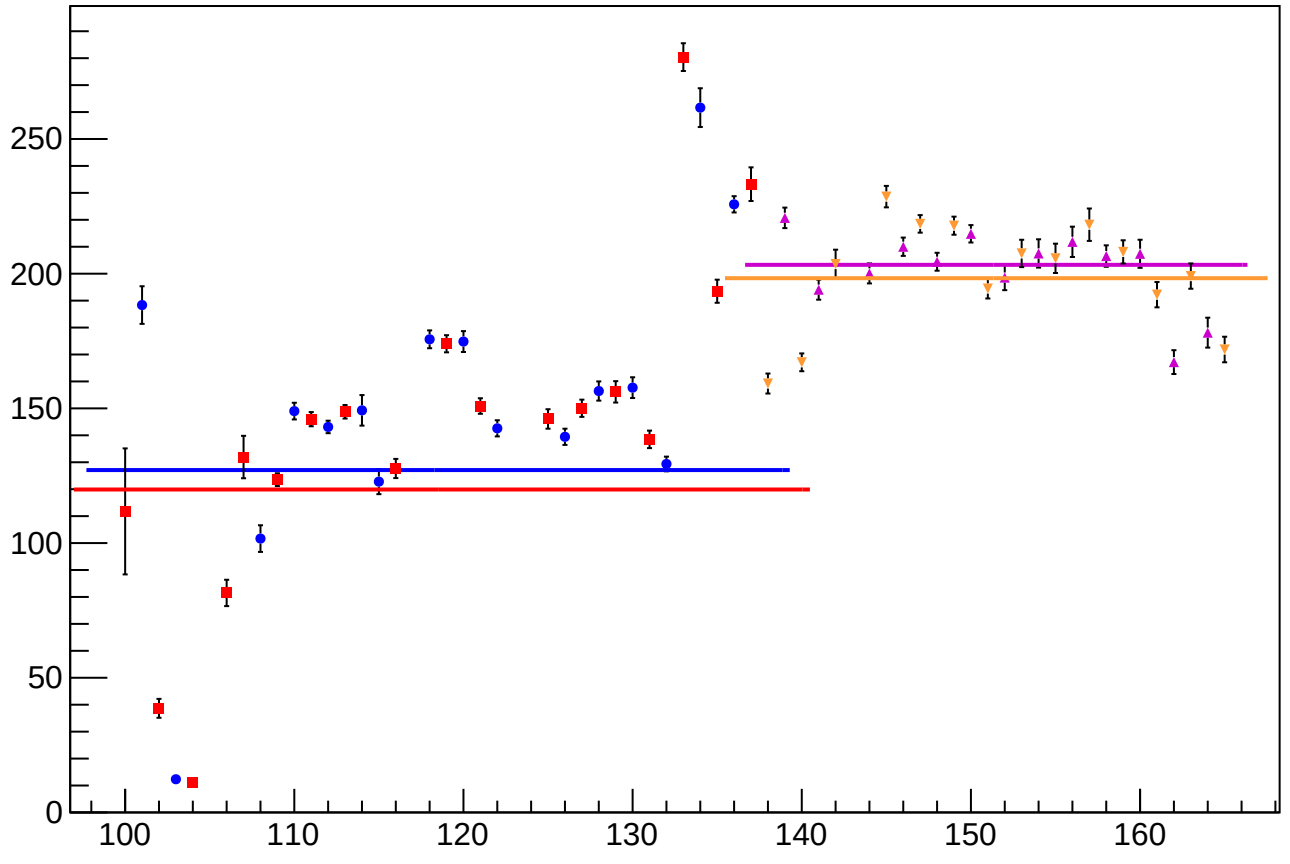
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -189.347+/-0.074 χ^2/NDF:60137.6/12

+ sign -176.319+/-0.060 χ^2/NDF: 437278.0/29

All: -172.787+/-0.042 χ^2/NDF: 1018175.0/60

- sign -169.363+/-0.059 χ^2/NDF: 573976.5/30



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 198.329+/-1.112 χ^2/NDF:386.6/13

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

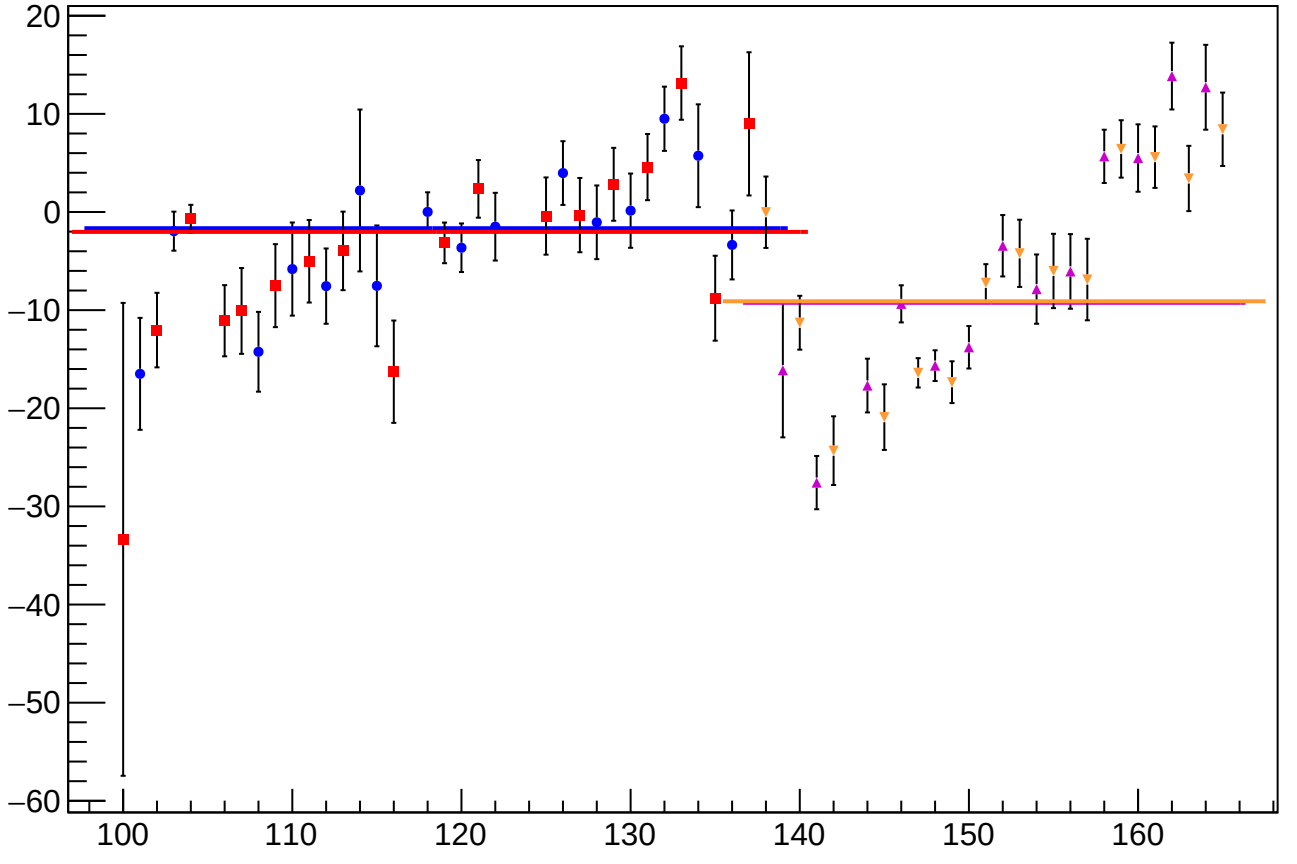
Left In: 203.284+/-1.129 χ^2/NDF:137.1/12

+ sign 151.821+/-0.655 χ^2/NDF: 9228.3/29

All: 149.116+/-0.457 χ^2/NDF: 19757.5/60

- sign 146.547+/-0.639 χ^2/NDF: 10496.0/30

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: -9.097+/-0.722 χ^2/NDF:167.2/13

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

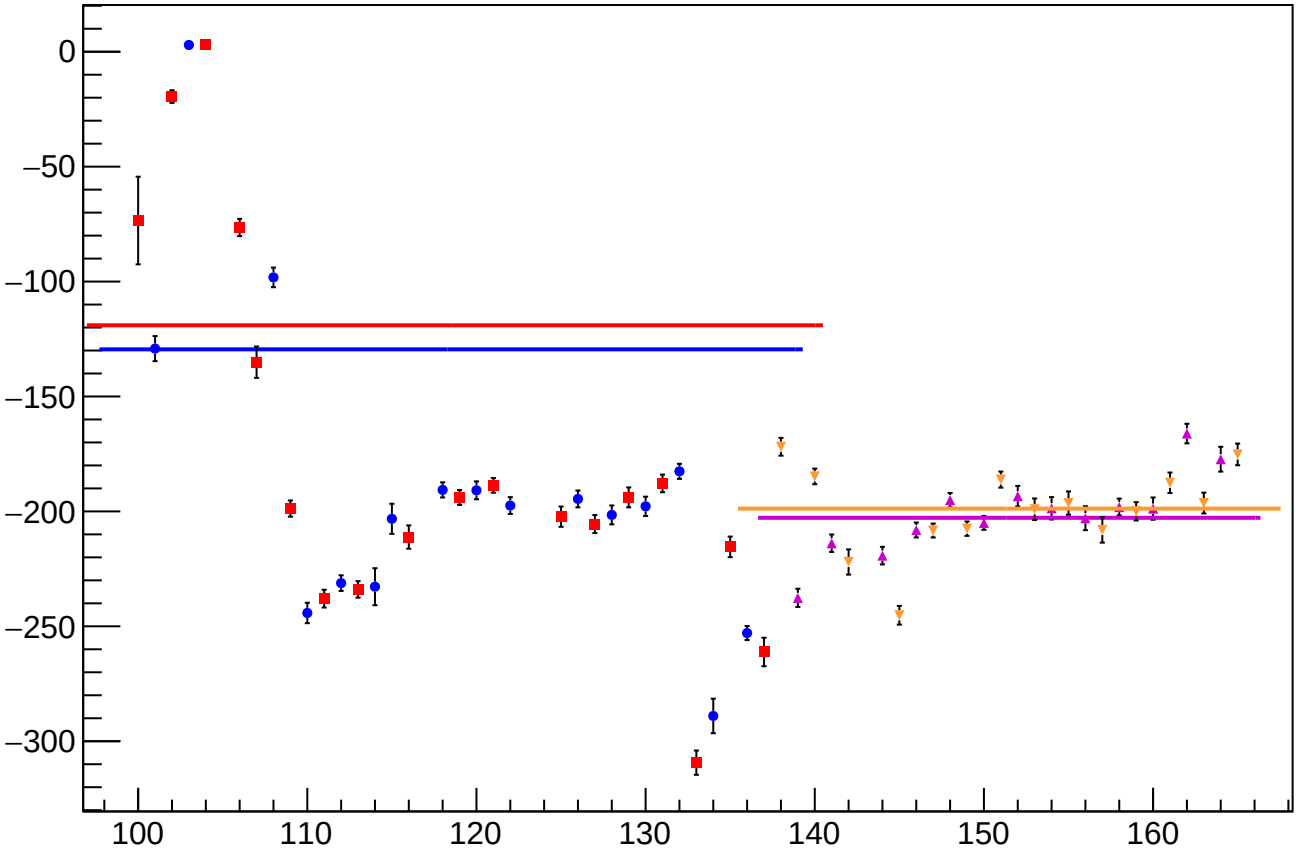
Left In: -9.251+/-0.745 χ^2/NDF:202.1/12

+ sign -5.900+/-0.546 χ^2/NDF: 251.9/29

All: -5.829+/-0.382 χ^2/NDF: 558.1/60

- sign -5.761+/-0.535 χ^2/NDF: 306.1/30

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -198.791+/-1.077 χ^2/NDF:278.5/13

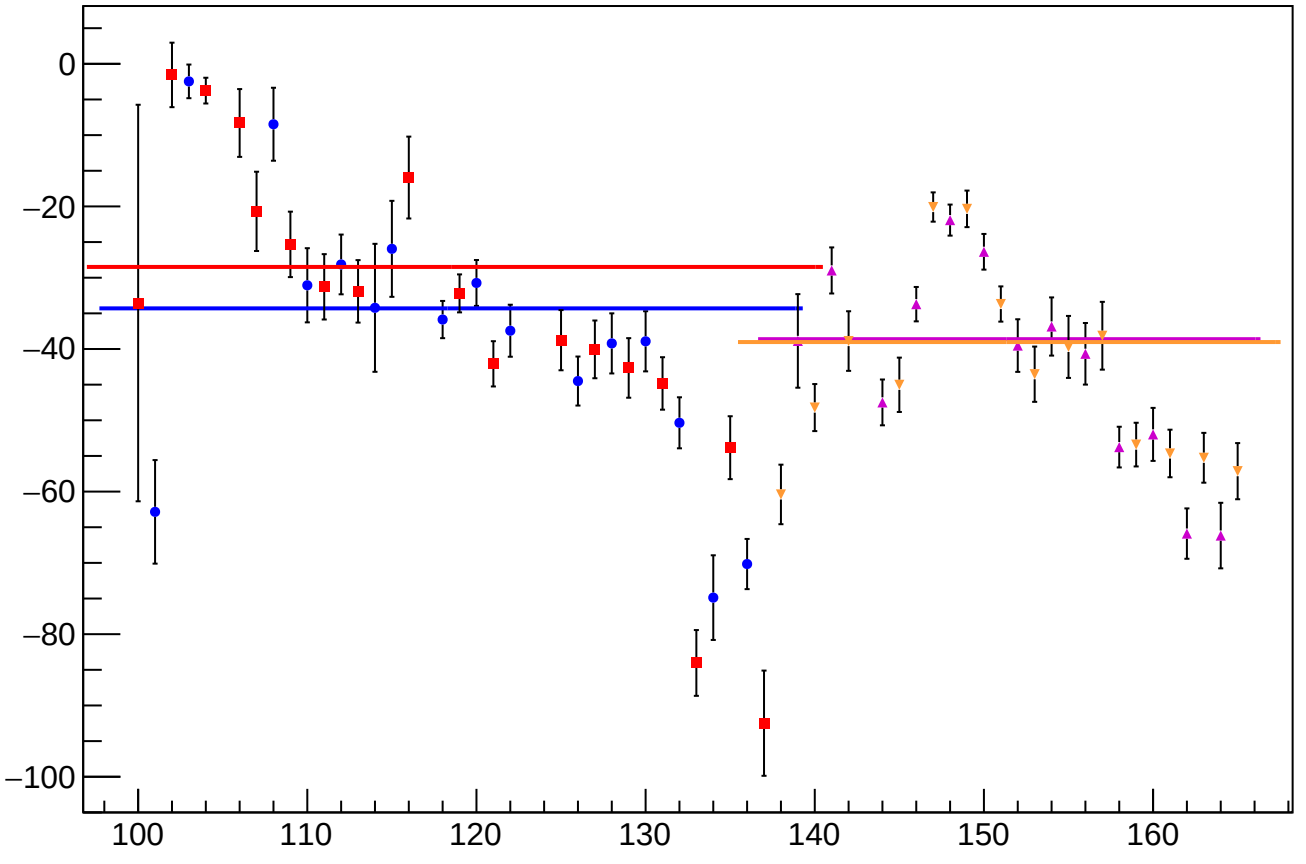
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -202.779+/-1.088 χ^2/NDF:217.5/12

+ sign -155.966+/-0.665 χ^2/NDF: 17526.7/29

All: -152.417+/-0.465 χ^2/NDF: 37780.0/60

- sign -149.017+/-0.651 χ^2/NDF: 20197.6/30



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -39.024+/-0.866 χ^2/NDF:267.4/13

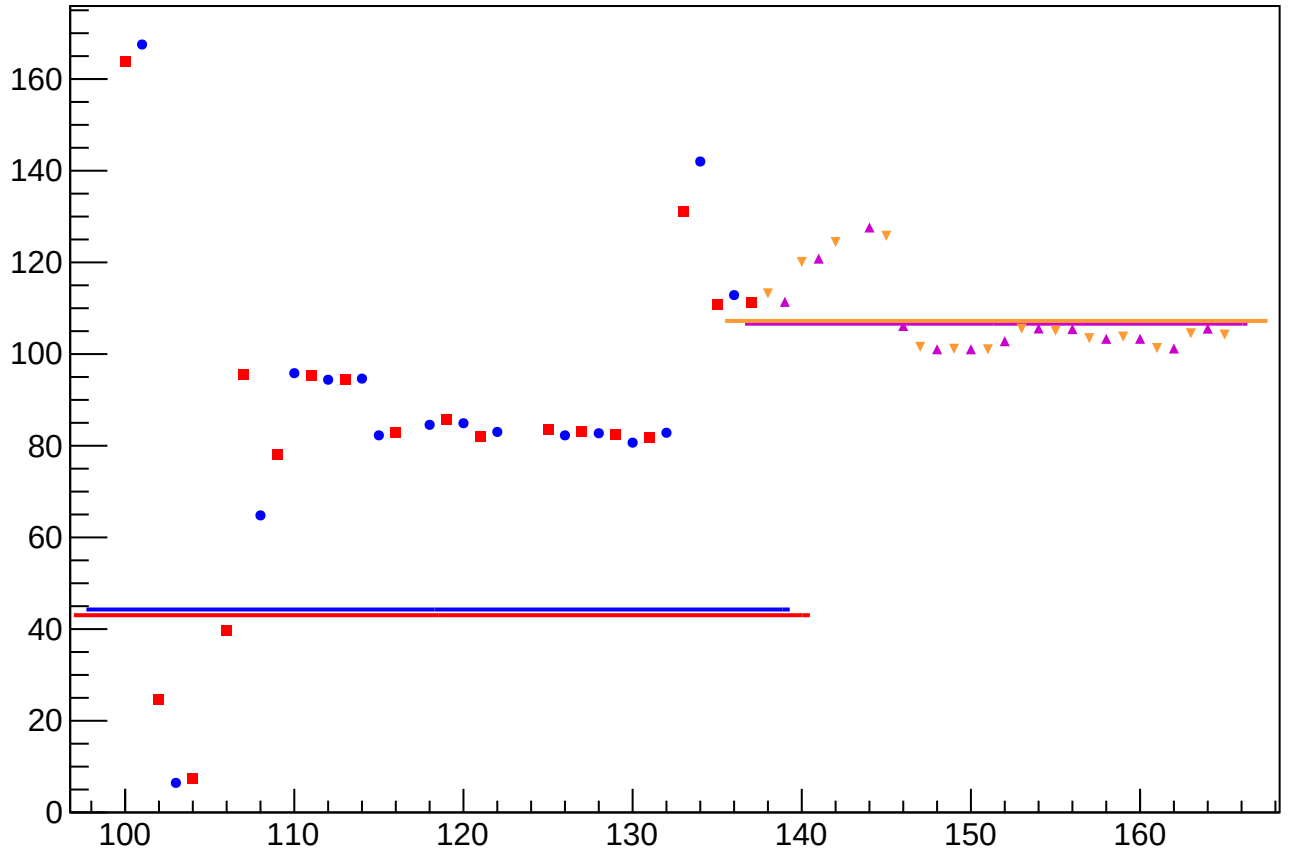
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -38.621+/-0.888 χ^2/NDF:240.5/12

+ sign -36.925+/-0.645 χ^2/NDF: 691.9/29

All: -35.266+/-0.452 χ^2/NDF: 1577.2/60

- sign -33.660+/-0.635 χ^2/NDF: 872.2/30



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 107.232+/-0.042 χ^2/NDF:36922.6/13

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

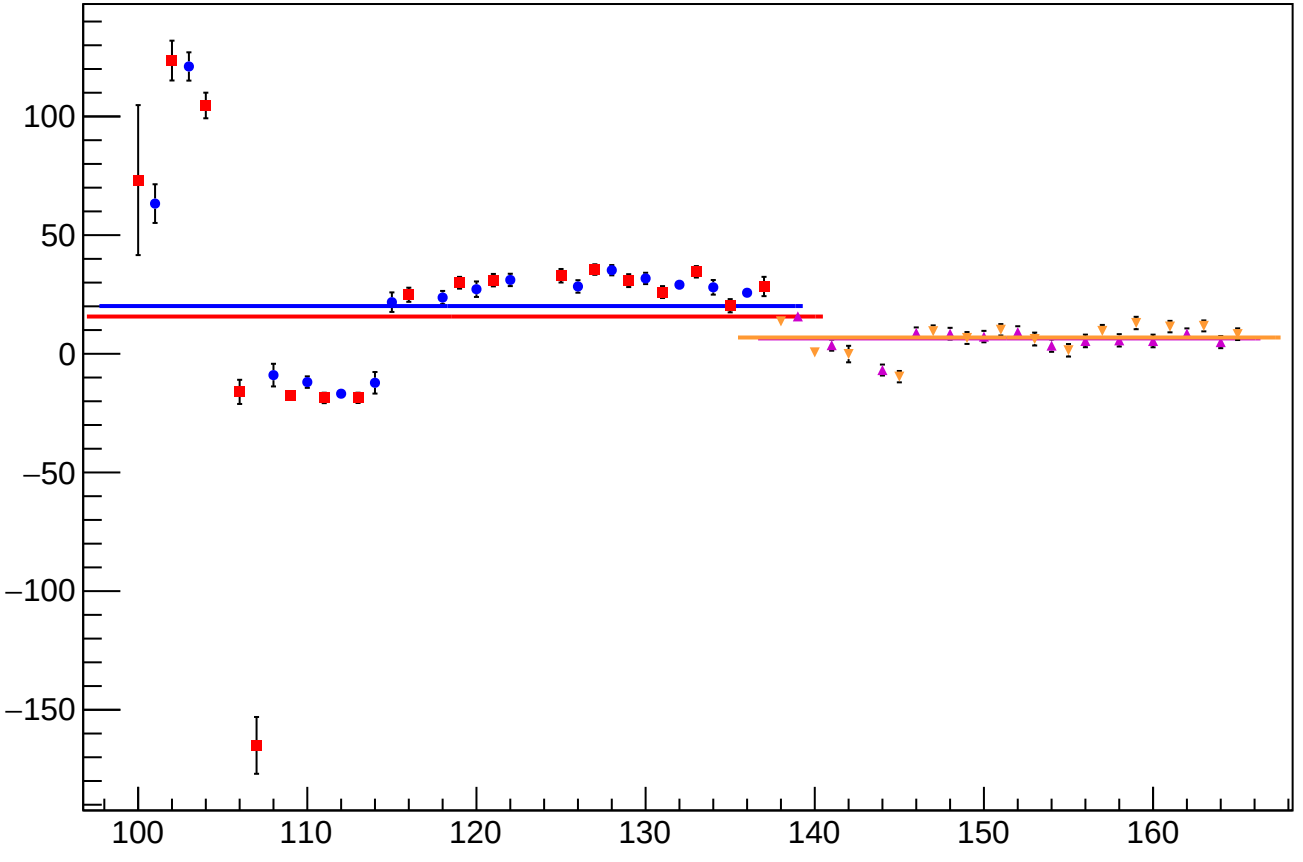
Left In: 106.628+/-0.042 χ^2/NDF:31354.3/12

+ sign 78.077+/-0.031 χ^2/NDF: 2175704.3/29

All: 77.688+/-0.022 χ^2/NDF: 4086803.1/60

- sign 77.299+/-0.031 χ^2/NDF: 1910774.5/30

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 6.868+/-0.657 χ^2/NDF:93.4/13

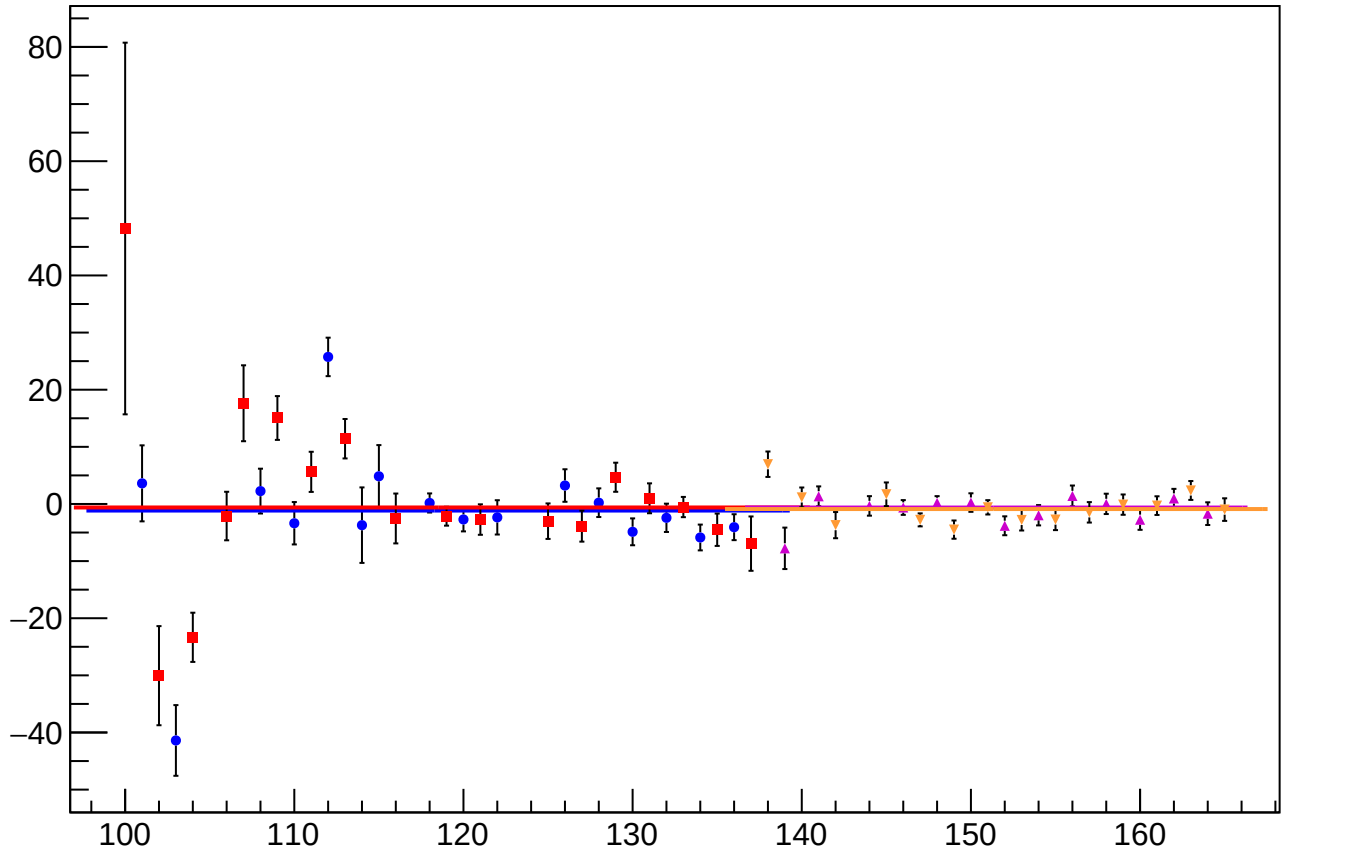
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.476+/-0.667 χ^2/NDF:62.2/12

+ sign 13.192+/-0.475 χ^2/NDF: 1335.9/29

All: 12.092+/-0.336 χ^2/NDF: 3276.2/60

- sign 10.983+/-0.477 χ^2/NDF: 1929.6/30



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.889+/-0.449 χ^2/NDF:31.2/13

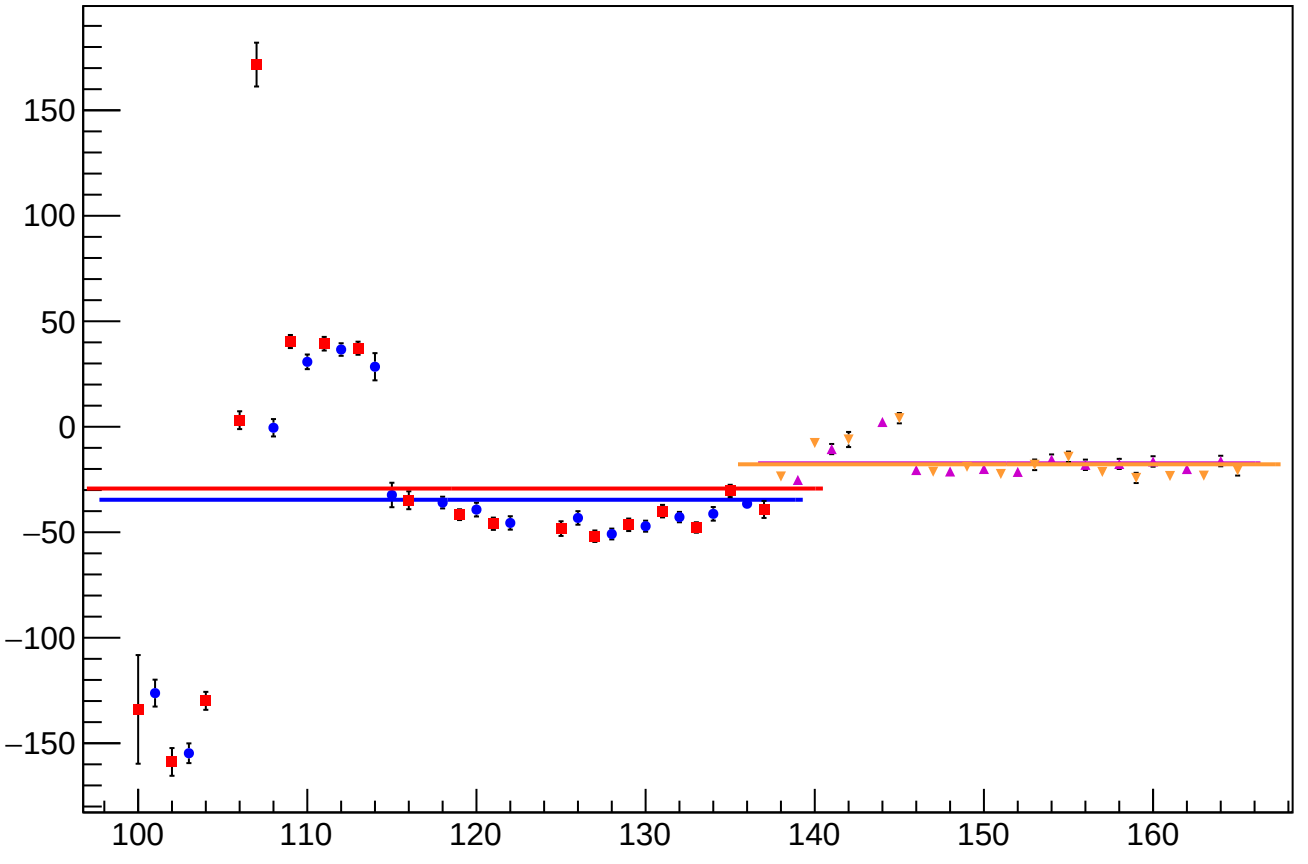
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.625+/-0.461 χ^2/NDF:14.3/12

+ sign -0.965+/-0.377 χ^2/NDF: 153.1/29

All: -0.798+/-0.270 χ^2/NDF: 261.2/60

- sign -0.622+/-0.387 χ^2/NDF: 107.7/30



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -17.790+/-0.636 χ^2/NDF:151.5/13

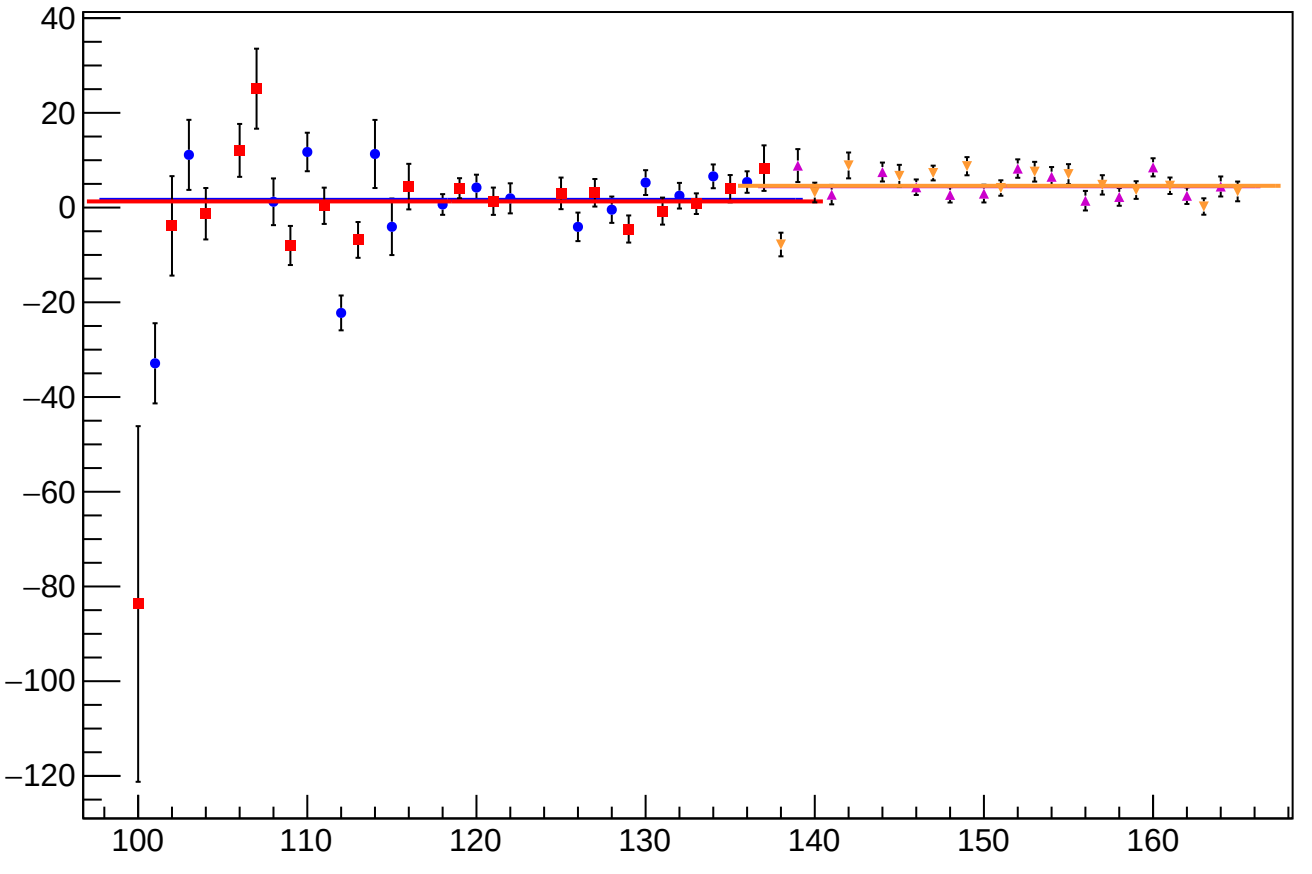
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.326+/-0.644 χ^2/NDF:102.0/12

+ sign -24.438+/-0.494 χ^2/NDF: 2486.2/29

All: -23.247+/-0.352 χ^2/NDF: 5816.6/60

- sign -22.023+/-0.501 χ^2/NDF: 3318.6/30



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.594+/-0.524 χ^2/NDF:46.4/13

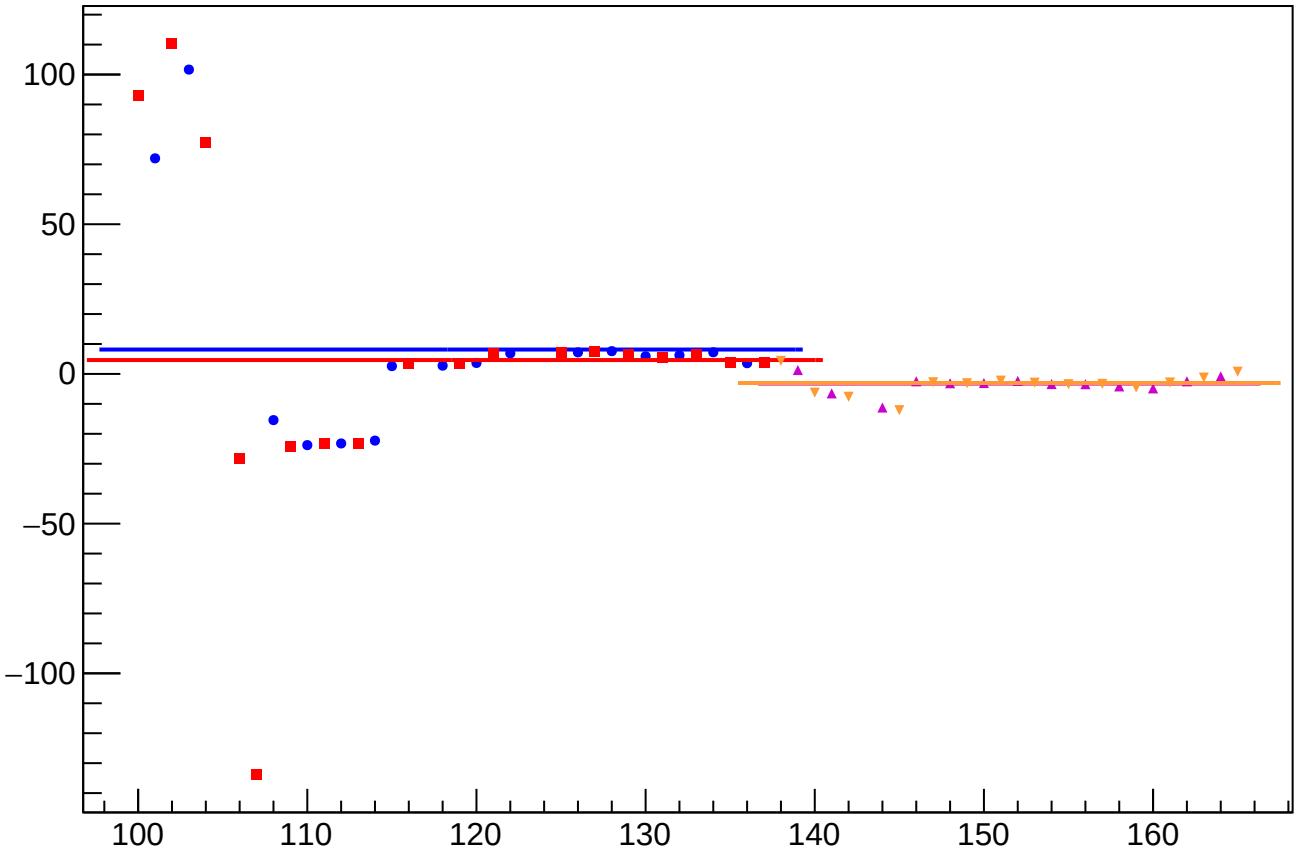
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.504+/-0.538 χ^2/NDF:20.5/12

+ sign 3.700+/-0.438 χ^2/NDF: 139.4/29

All: 3.619+/-0.313 χ^2/NDF: 208.2/60

- sign 3.534+/-0.449 χ^2/NDF: 68.8/30



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.033+/-0.024 χ^2/NDF:21102.6/13

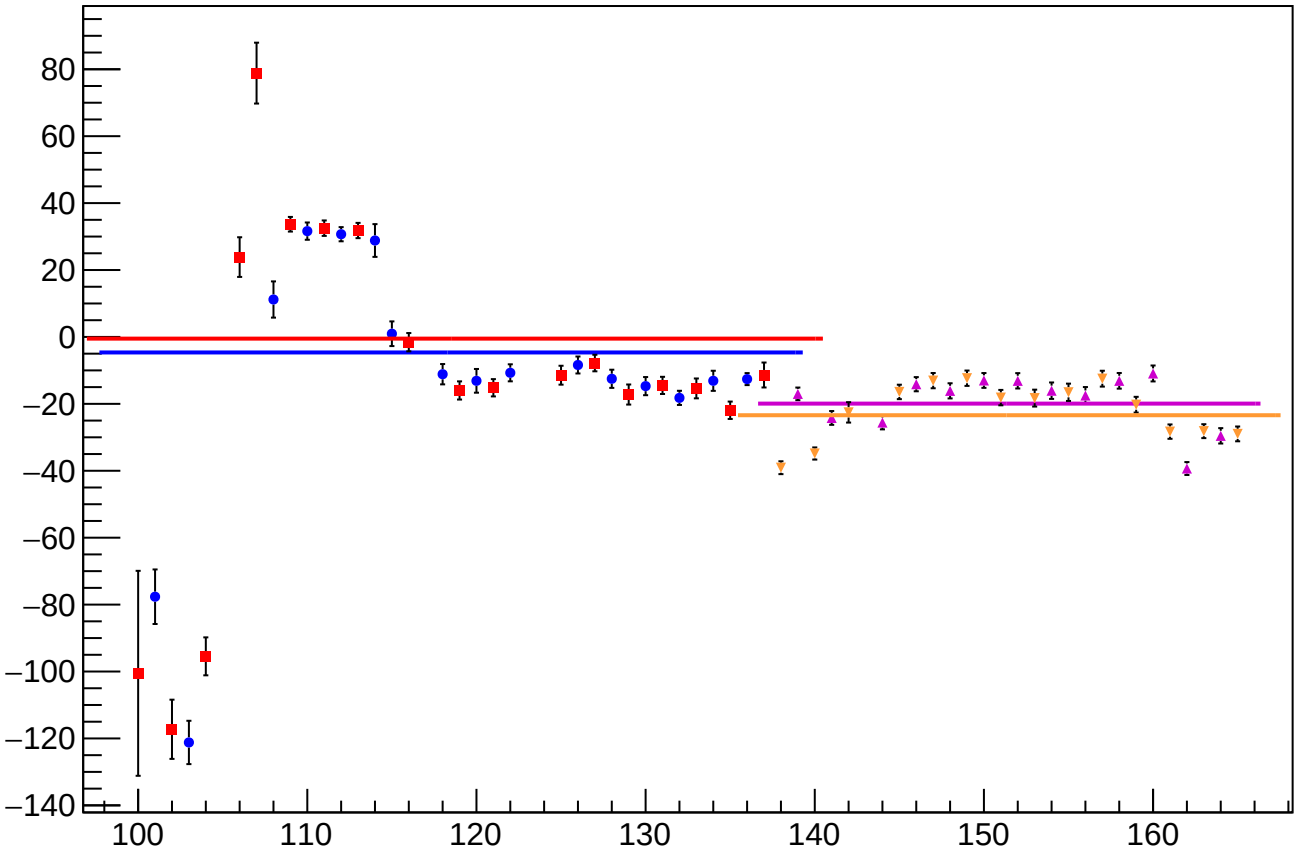
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.219+/-0.024 χ^2/NDF:11854.5/12

\+ sign -0.841+/-0.021 χ^2/NDF: 377387.4/29

All: -1.319+/-0.015 χ^2/NDF: 856047.4/60

\- sign -1.816+/-0.022 χ^2/NDF: 477642.7/30



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -23.399+/-0.599 χ^2/NDF:216.7/13

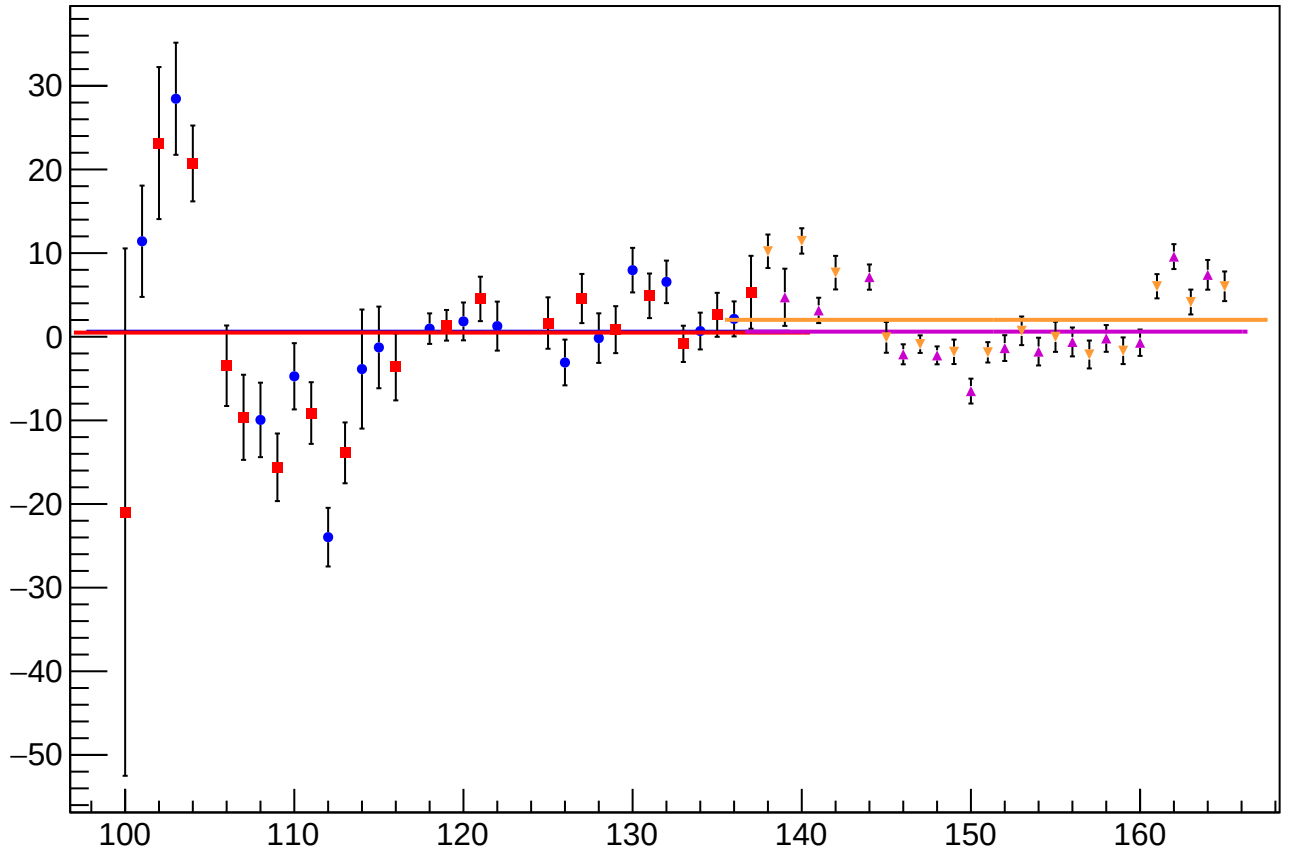
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -19.928+/-0.608 χ^2/NDF:188.1/12

+ sign -15.616+/-0.458 χ^2/NDF: 1669.6/29

All: -13.684+/-0.325 χ^2/NDF: 3782.4/60

- sign -11.719+/-0.462 χ^2/NDF: 2076.9/30



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 2.023+/-0.411 χ^2/NDF:117.5/13

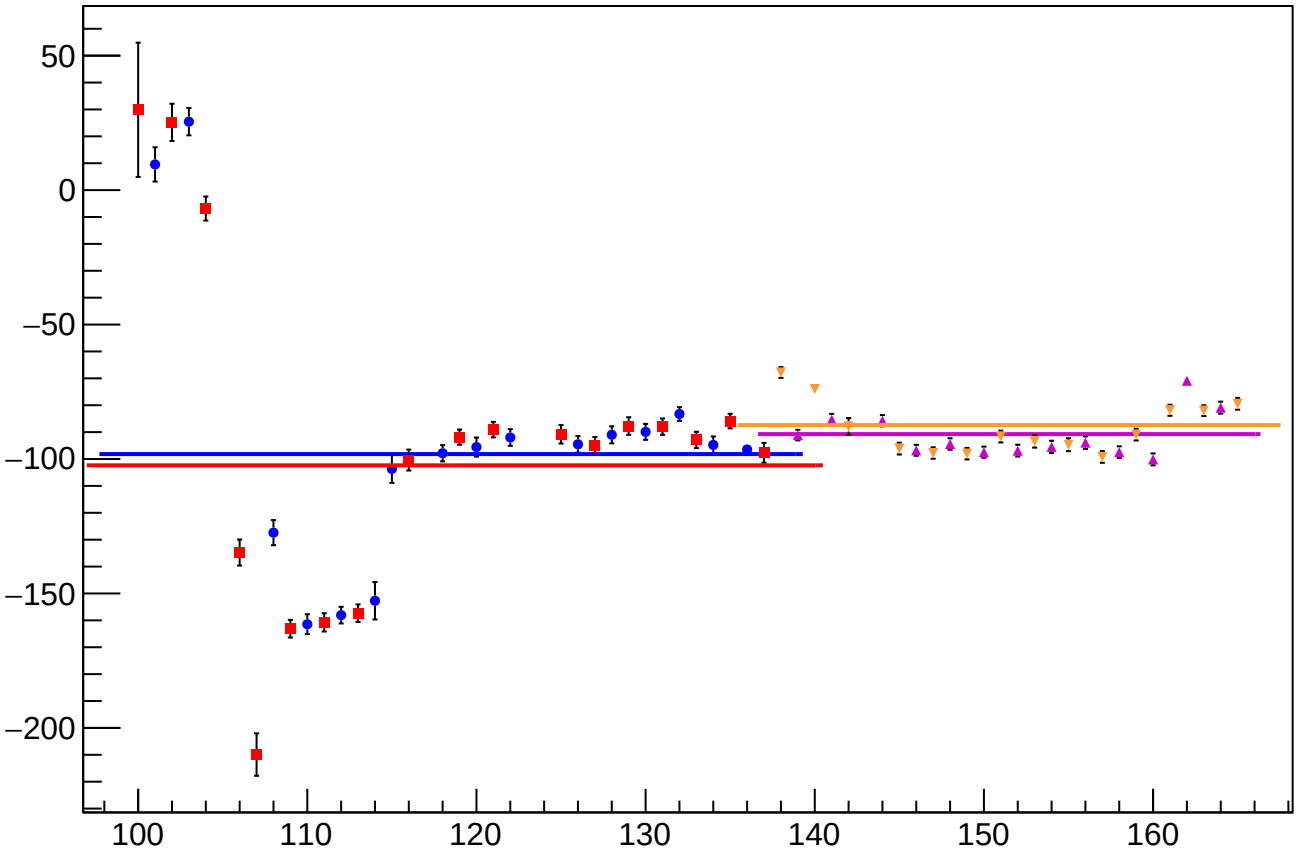
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.609+/-0.420 χ^2/NDF:114.0/12

+ sign 1.679+/-0.358 χ^2/NDF: 213.2/29

All: 1.145+/-0.256 χ^2/NDF: 412.0/60

- sign 0.582+/-0.367 χ^2/NDF: 194.2/30



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -87.374+/-0.581 χ^2/NDF:289.9/13

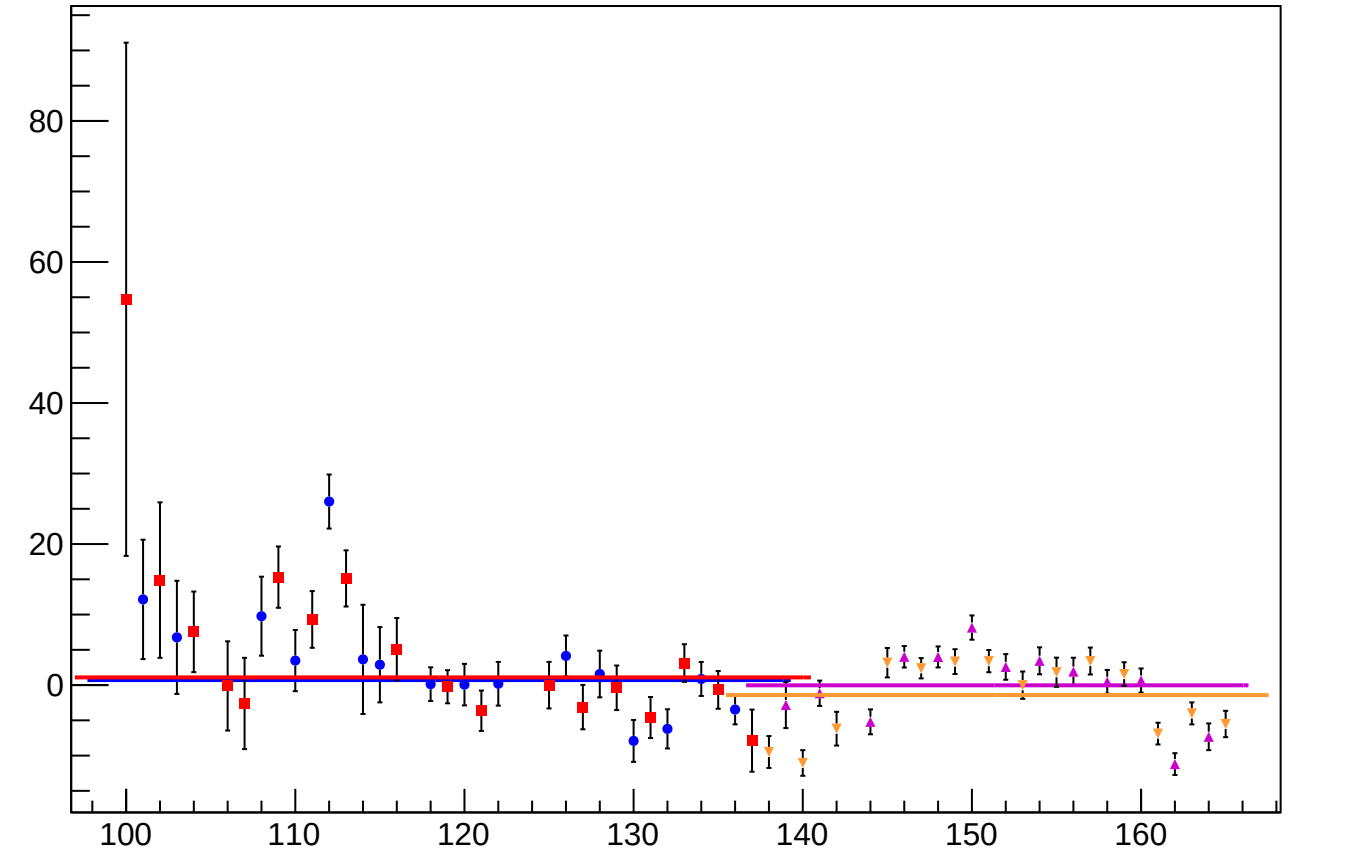
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -90.739+/-0.587 χ^2/NDF:210.1/12

+ sign -91.026+/-0.473 χ^2/NDF: 2106.6/29

All: -92.768+/-0.337 χ^2/NDF: 4590.7/60

- sign -94.570+/-0.481 χ^2/NDF: 2456.5/30



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.413+/-0.479 χ^2/NDF:105.9/13

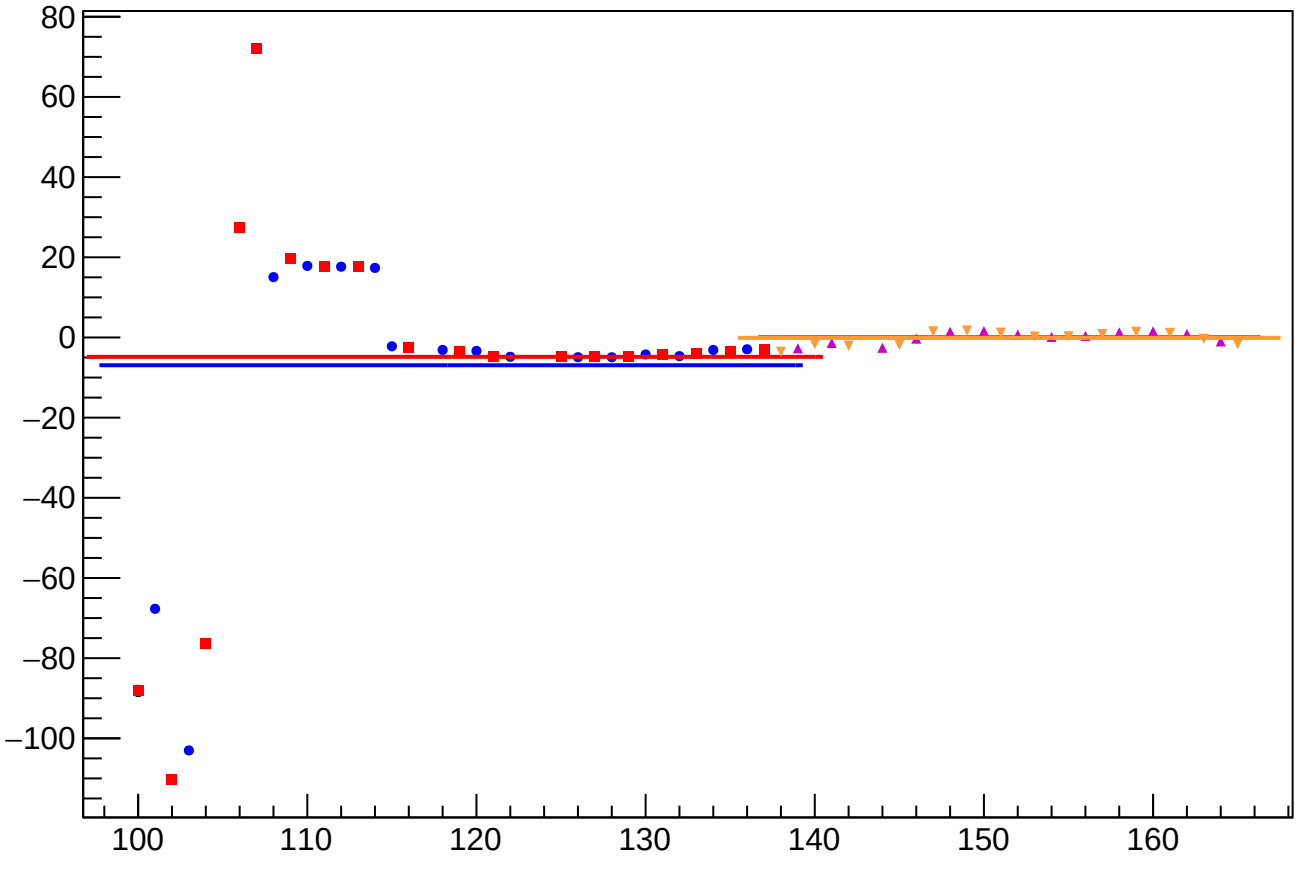
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.034+/-0.489 χ^2/NDF:120.5/12

\+ sign -0.874+/-0.414 χ^2/NDF: 180.5/29

All: -0.331+/-0.296 χ^2/NDF: 353.5/60

\- sign 0.242+/-0.425 χ^2/NDF: 169.4/30



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.095+/-0.022 χ^2/NDF:5138.6/13

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

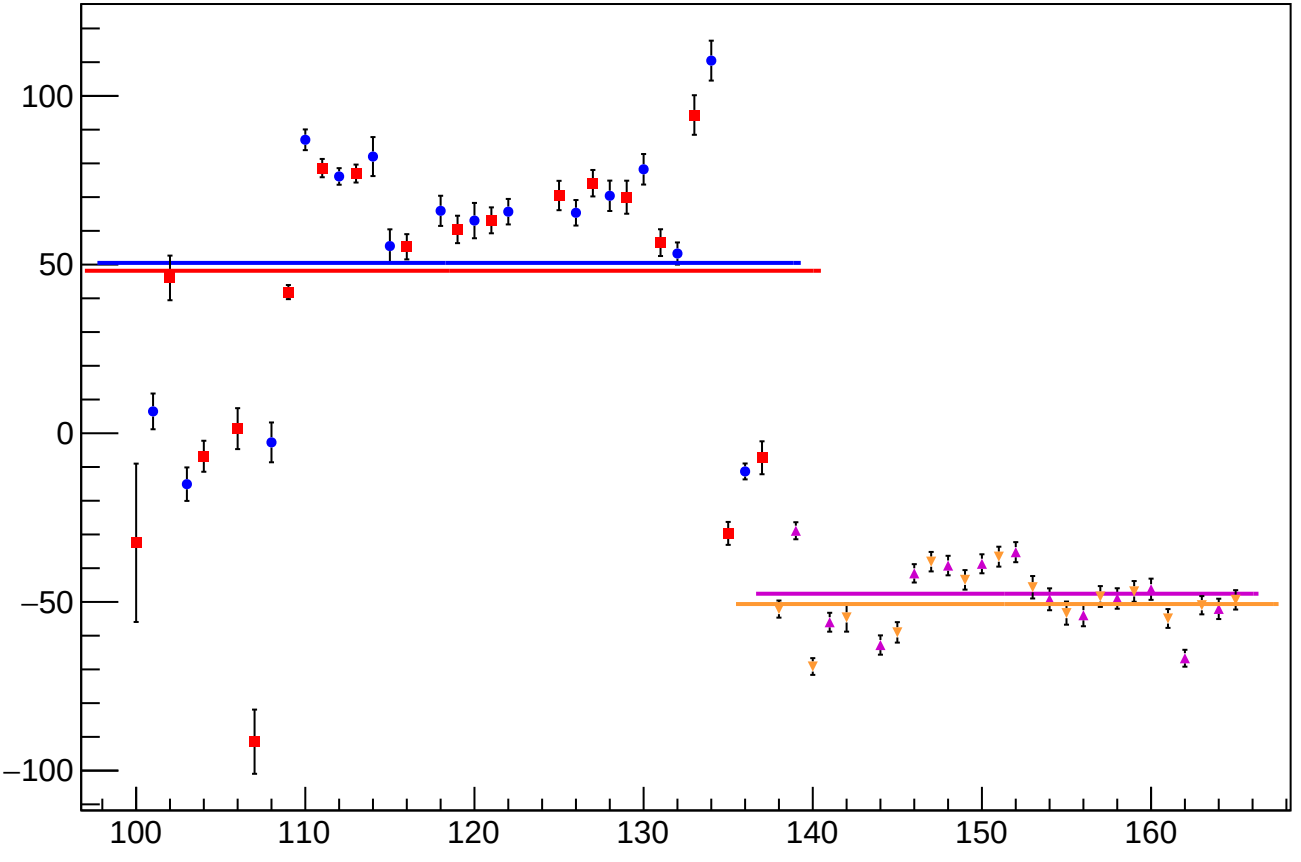
Left In: 0.059+/-0.022 χ^2/NDF:4216.2/12

+ sign -1.250+/-0.020 χ^2/NDF: 286793.4/29

All: -0.964+/-0.014 χ^2/NDF: 638099.2/60

- sign -0.667+/-0.020 χ^2/NDF: 350887.0/30

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.623+/-0.788 χ^2/NDF:119.7/13

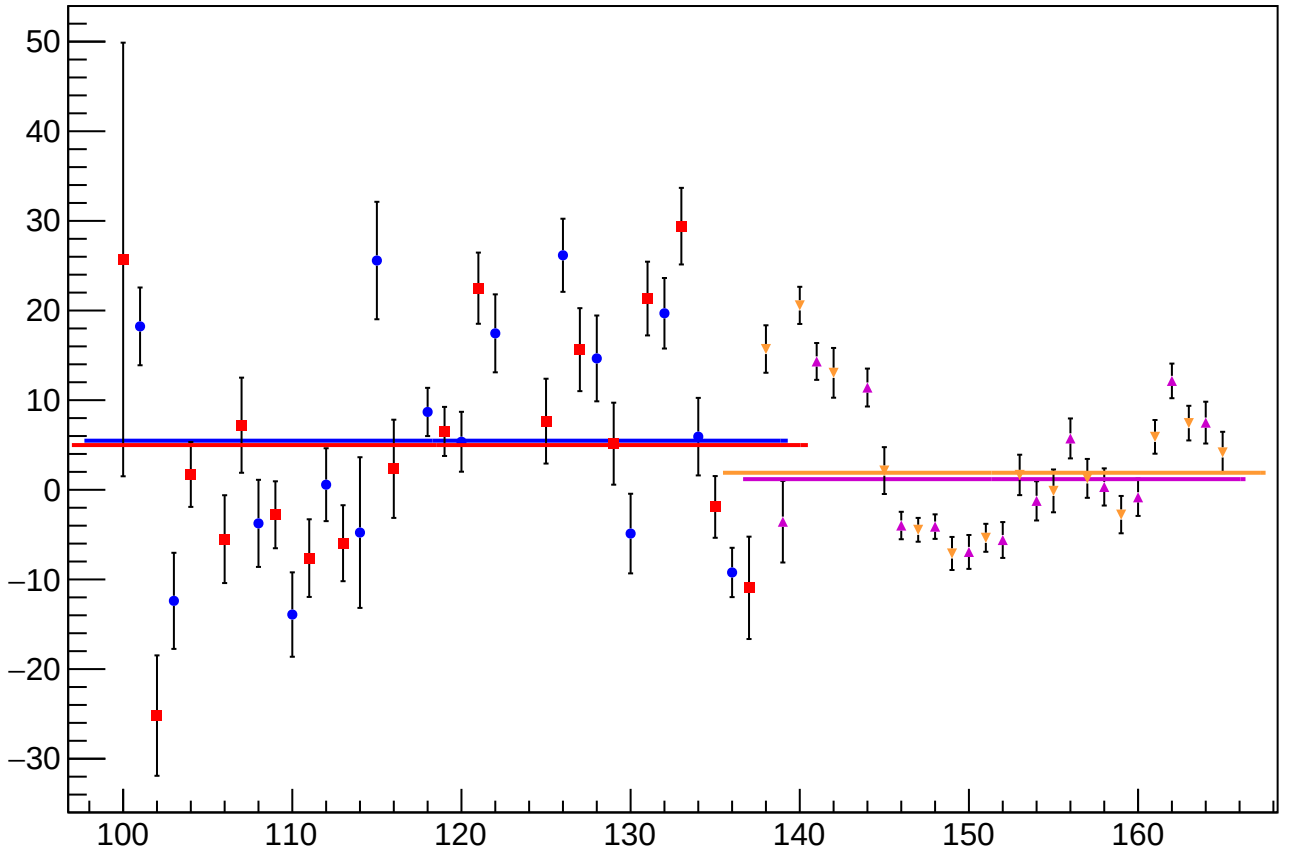
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -47.566+/-0.798 χ^2/NDF:197.4/12

\+ sign -10.190+/-0.610 χ^2/NDF: 8209.7/29

All: -8.135+/-0.428 χ^2/NDF: 16169.3/60

\- sign -6.141+/-0.601 χ^2/NDF: 7937.3/30



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.902+/-0.536 χ^2/NDF:212.5/13

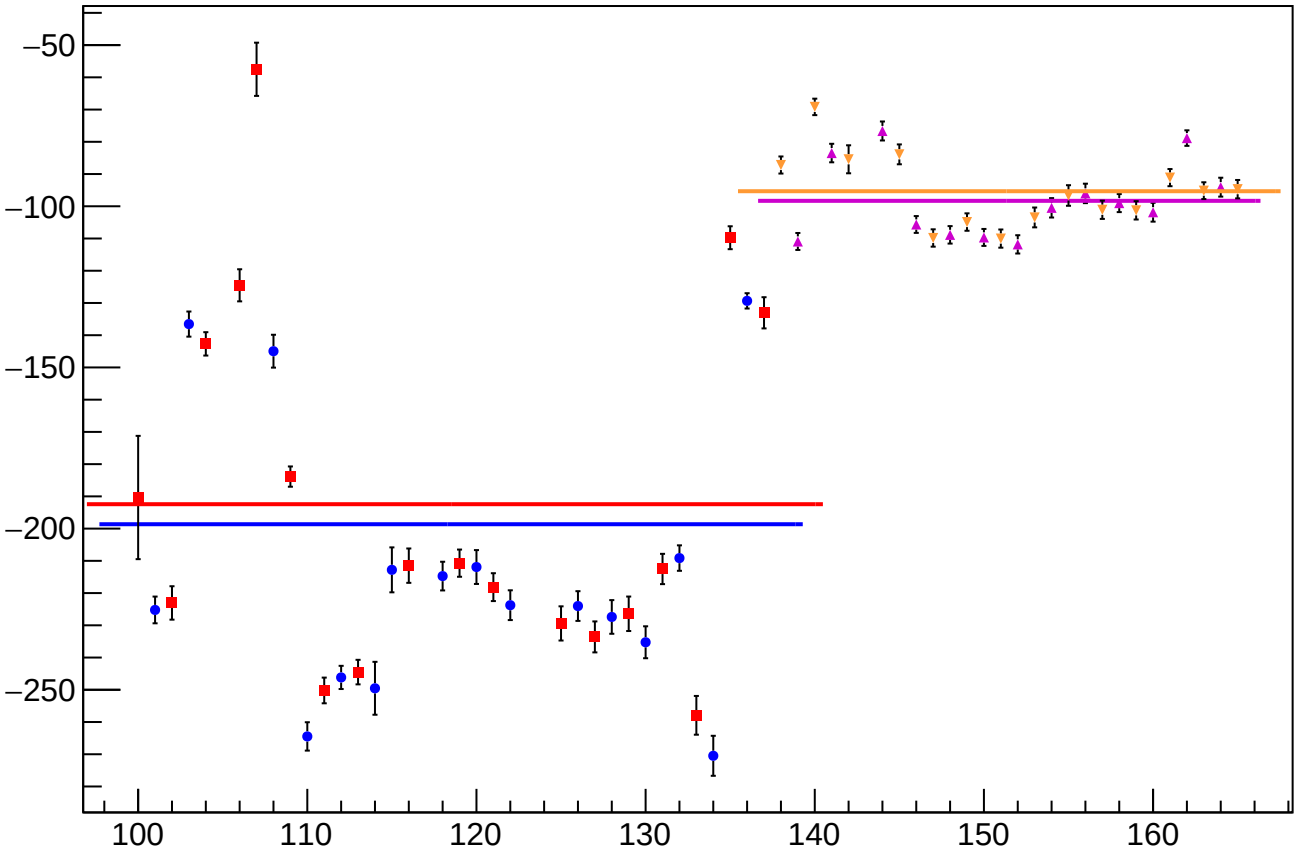
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 1.189+/-0.548 χ^2/NDF:167.6/12

+ sign 2.676+/-0.475 χ^2/NDF: 360.3/29

All: 2.363+/-0.339 χ^2/NDF: 671.4/60

- sign 2.039+/-0.483 χ^2/NDF: 310.2/30



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.330+/-0.763 χ^2/NDF:220.5/13

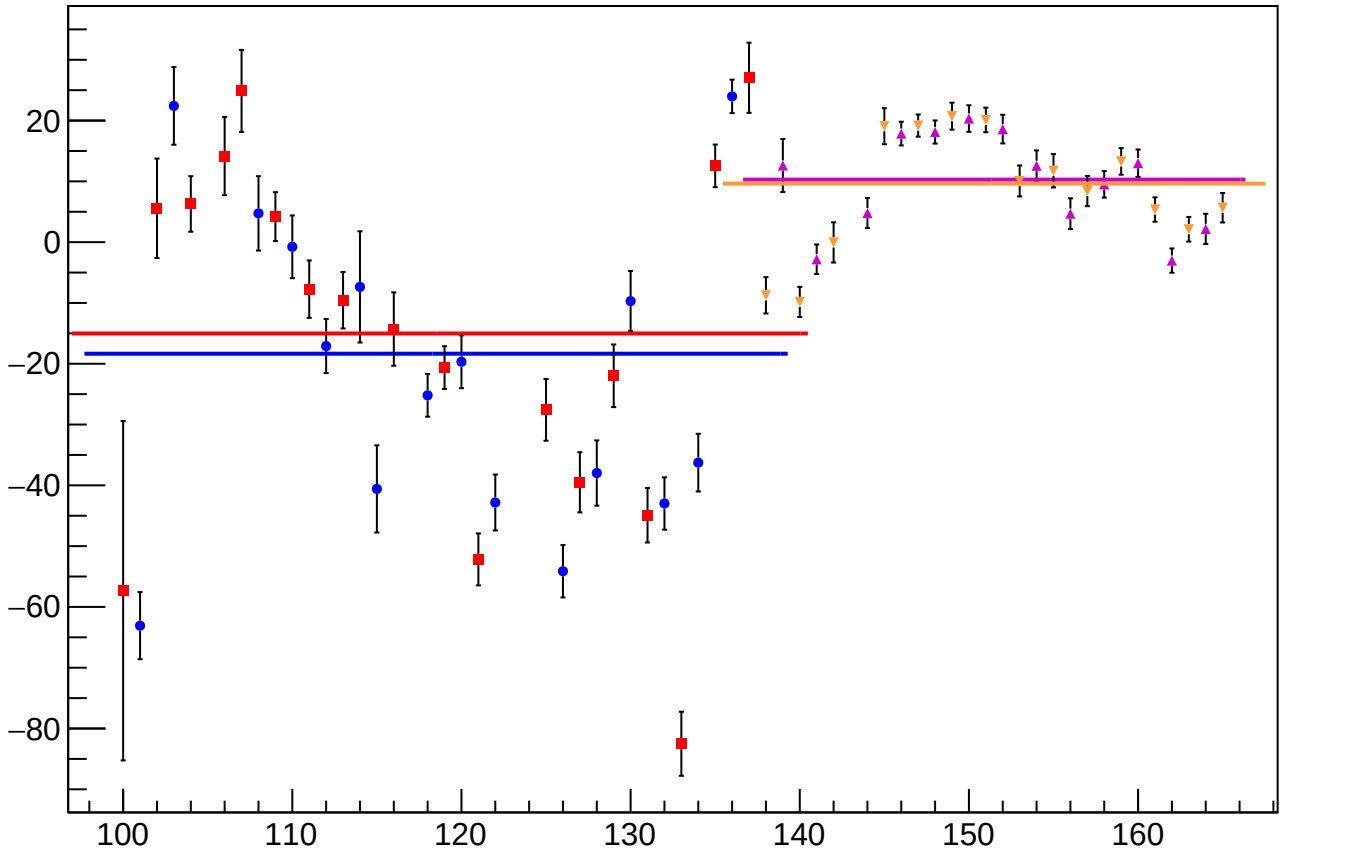
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.314+/-0.770 χ^2/NDF:238.1/12

+ sign -129.568+/-0.624 χ^2/NDF: 8302.5/29

All: -129.800+/-0.442 χ^2/NDF: 15716.5/60

- sign -130.034+/-0.627 χ^2/NDF: 7413.8/30



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 9.636+/-0.626 χ^2/NDF:222.0/13

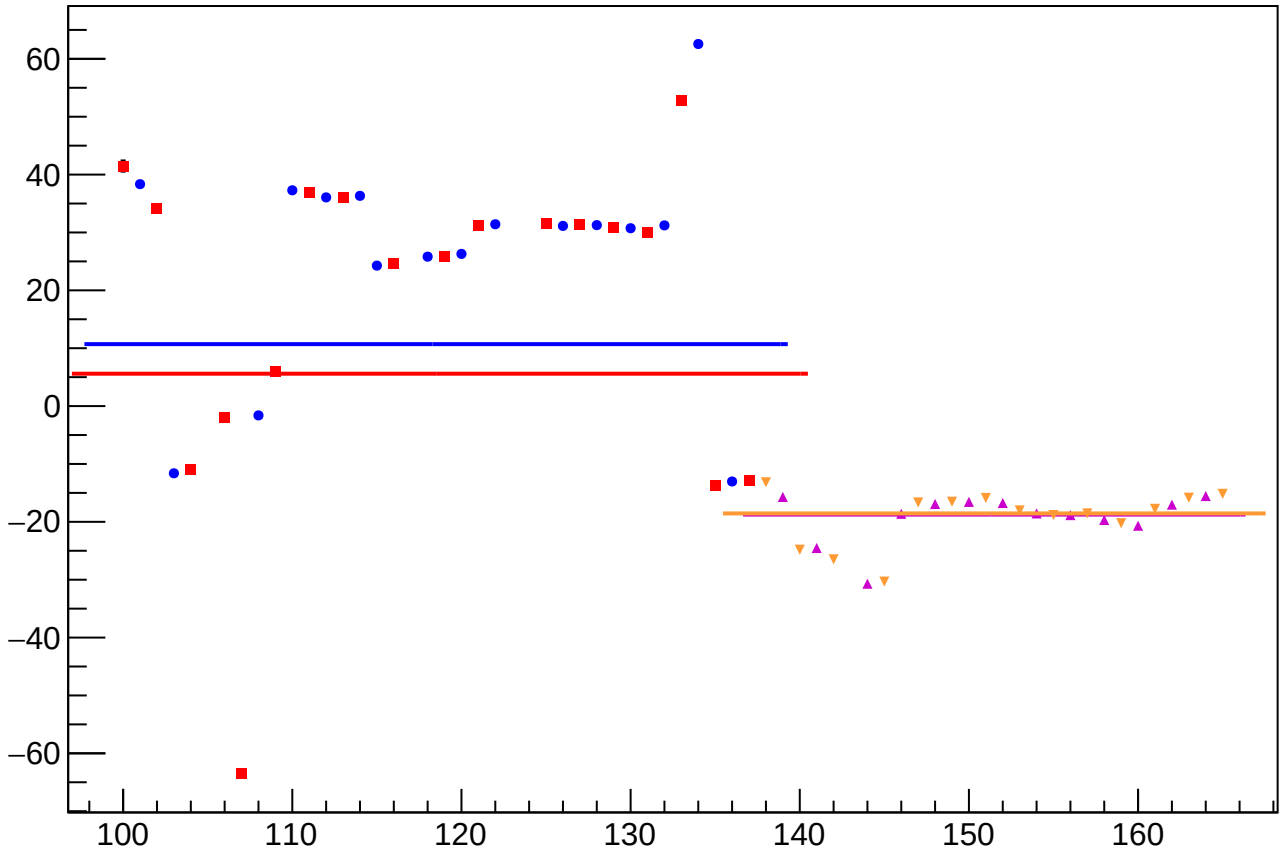
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 10.286+/-0.640 χ^2/NDF:161.8/12

+ sign 3.318+/-0.551 χ^2/NDF: 1217.0/29

All: 3.850+/-0.393 χ^2/NDF: 2291.2/60

- sign 4.399+/-0.560 χ^2/NDF: 1072.3/30



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -18.547+/-0.029 χ^2/NDF:20488.7/13

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

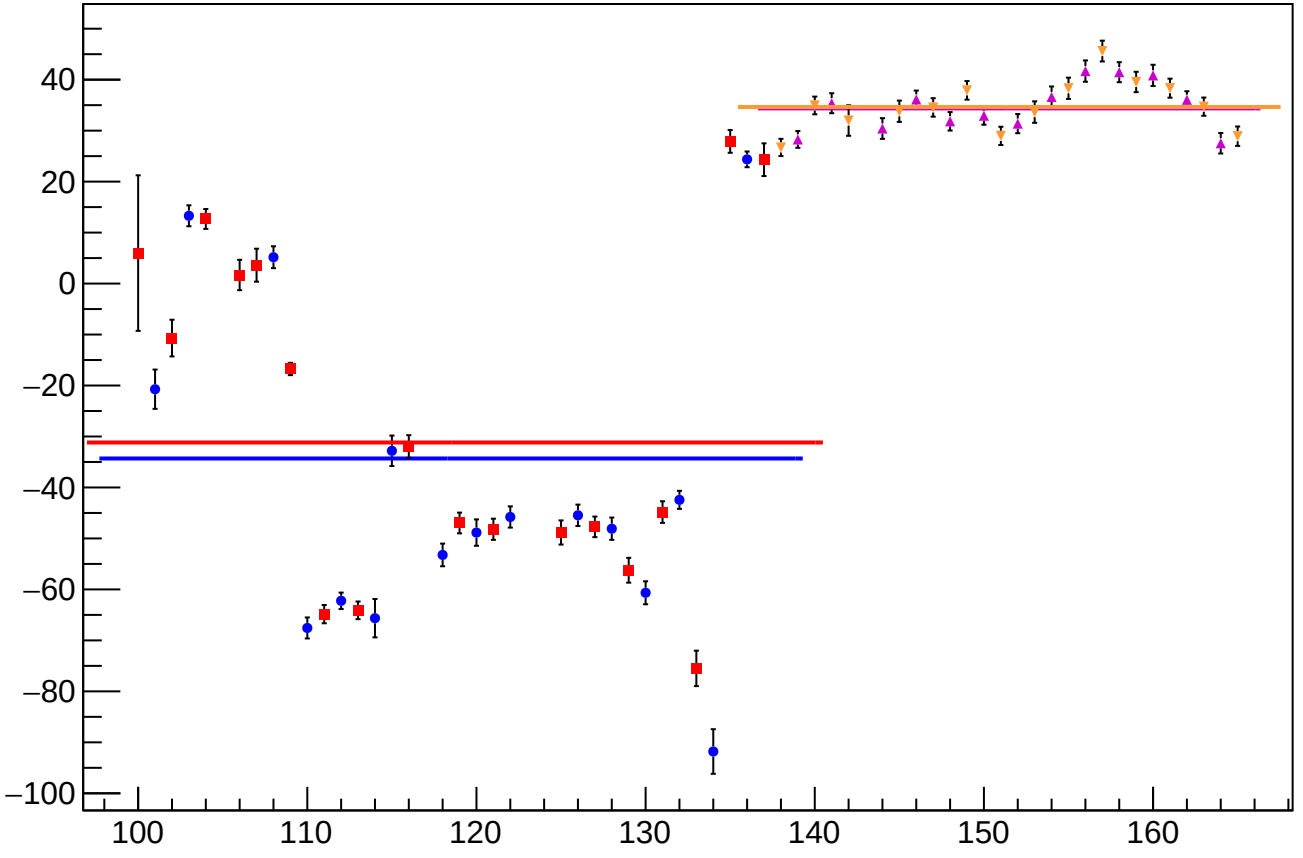
Left In: -18.754+/-0.029 χ^2/NDF:14414.5/12

+ sign -13.501+/-0.026 χ^2/NDF: 364287.0/29

All: -14.047+/-0.019 χ^2/NDF: 656044.4/60

- sign -14.599+/-0.026 χ^2/NDF: 290879.3/30

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 34.643+/-0.516 χ^2/NDF:87.6/13

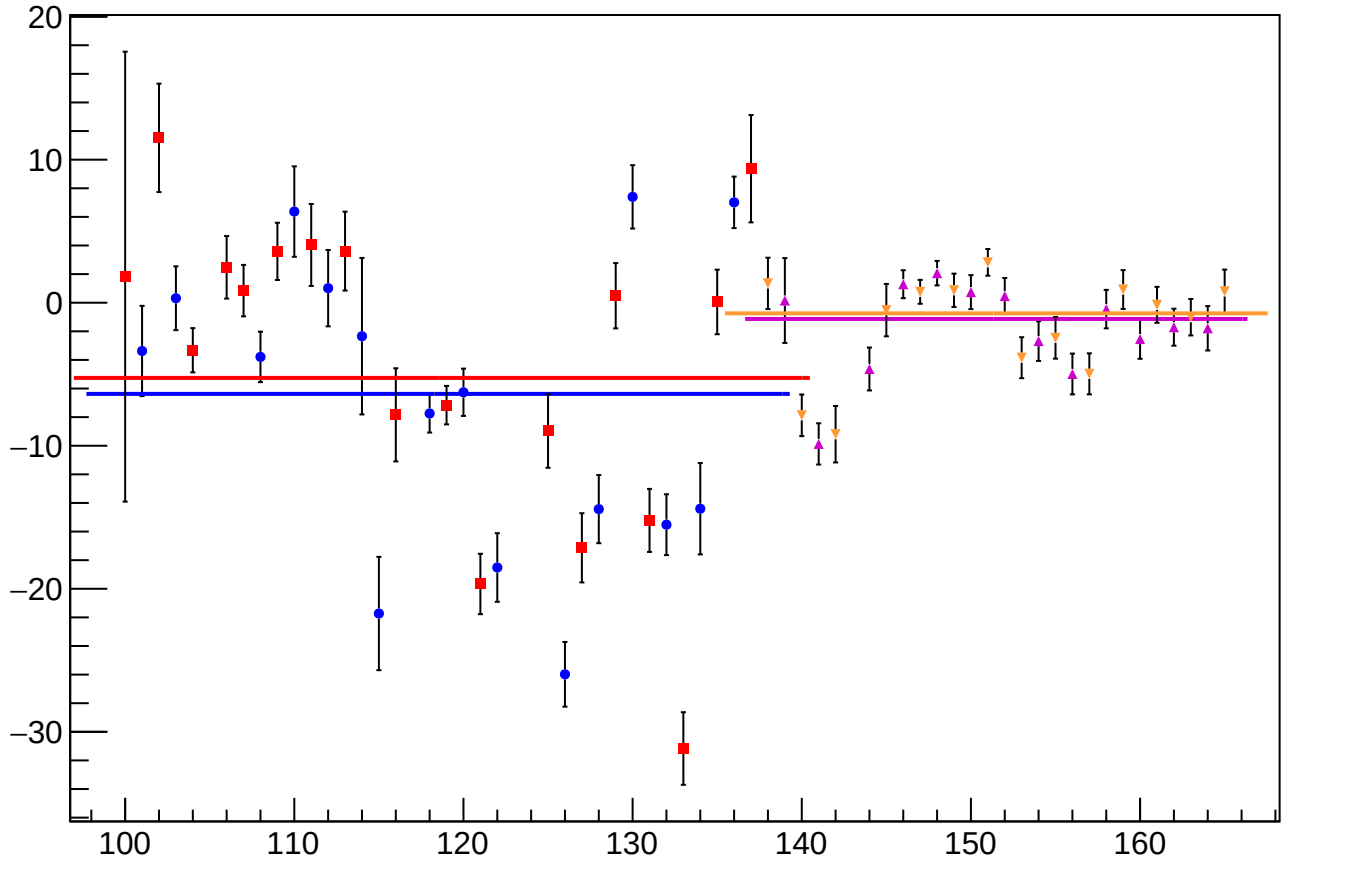
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.362+/-0.522 χ^2/NDF:72.7/12

\+ sign 2.253+/-0.375 χ^2/NDF: 11991.6/29

All: 1.718+/-0.262 χ^2/NDF: 23247.6/60

\- sign 1.208+/-0.367 χ^2/NDF: 11252.0/30



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.744+/-0.347 χ^2/NDF:81.0/13

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

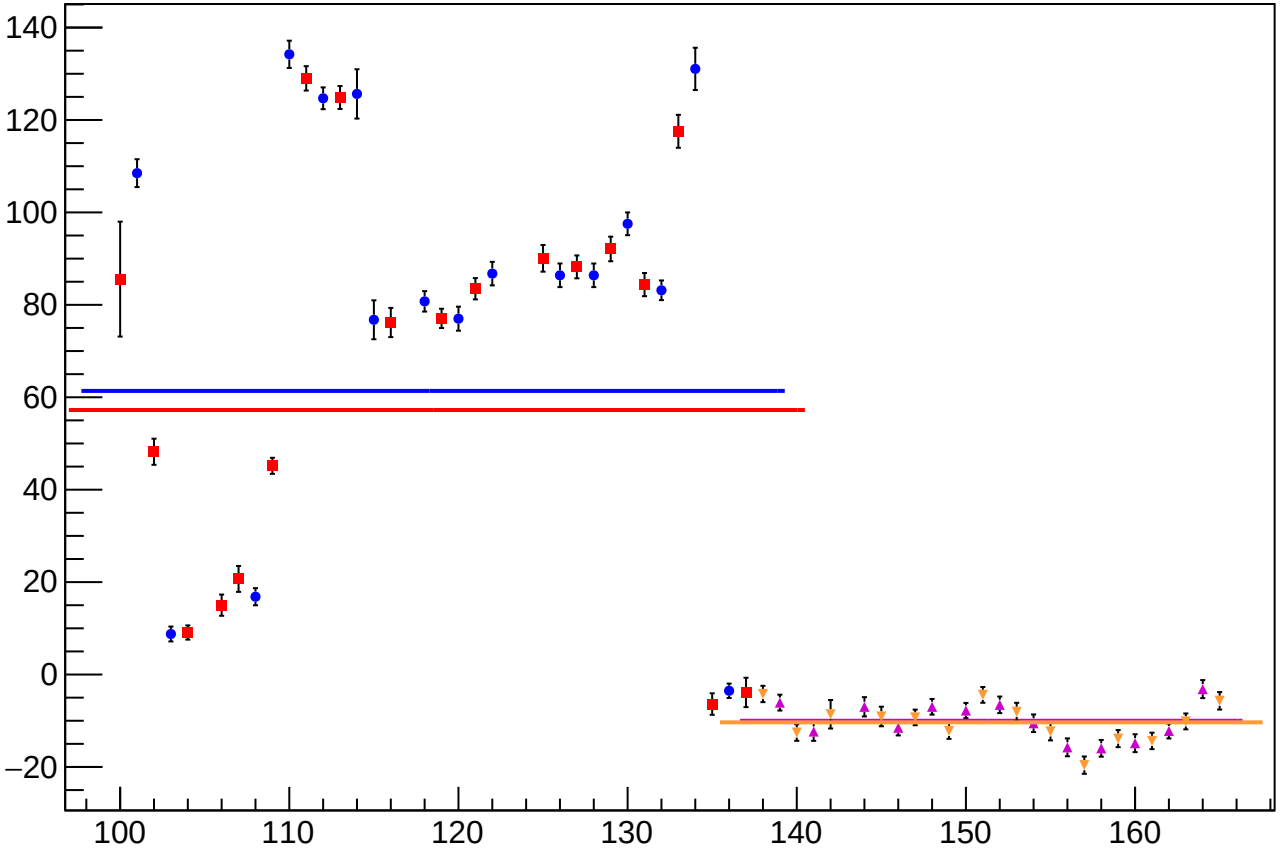
Left In: -1.137+/-0.356 χ^2/NDF:76.8/12

+ sign -2.330+/-0.294 χ^2/NDF: 439.0/29

All: -2.369+/-0.208 χ^2/NDF: 870.1/60

- sign -2.410+/-0.296 χ^2/NDF: 431.1/30

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -10.340+/-0.498 χ^2/NDF:69.7/13

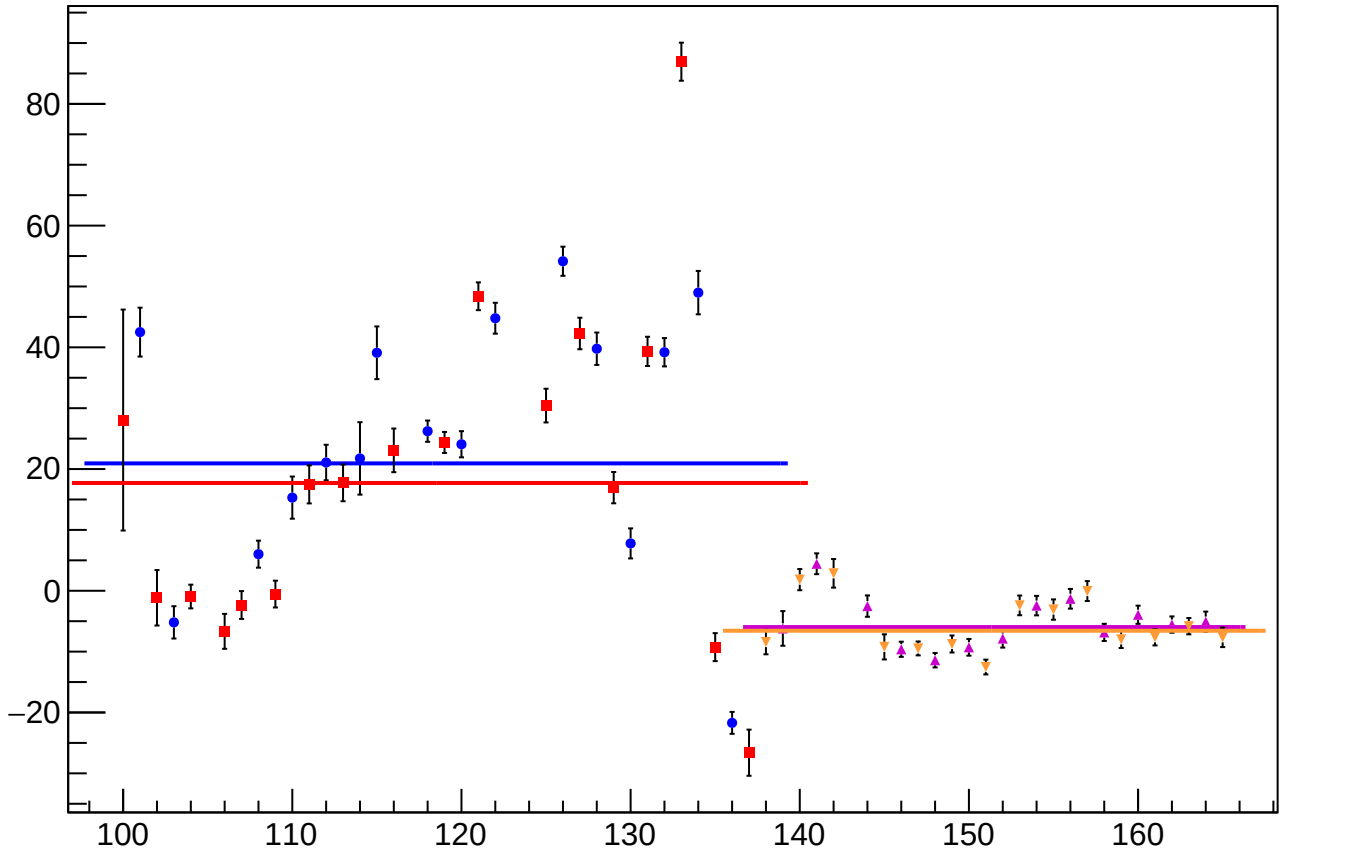
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -10.002+/-0.502 χ^2/NDF:58.5/12

+ sign 19.217+/-0.382 χ^2/NDF: 14697.0/29

All: 19.004+/-0.269 χ^2/NDF: 27703.7/60

- sign 18.792+/-0.380 χ^2/NDF: 13006.1/30



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.569+/-0.406 χ^2/NDF:104.1/13

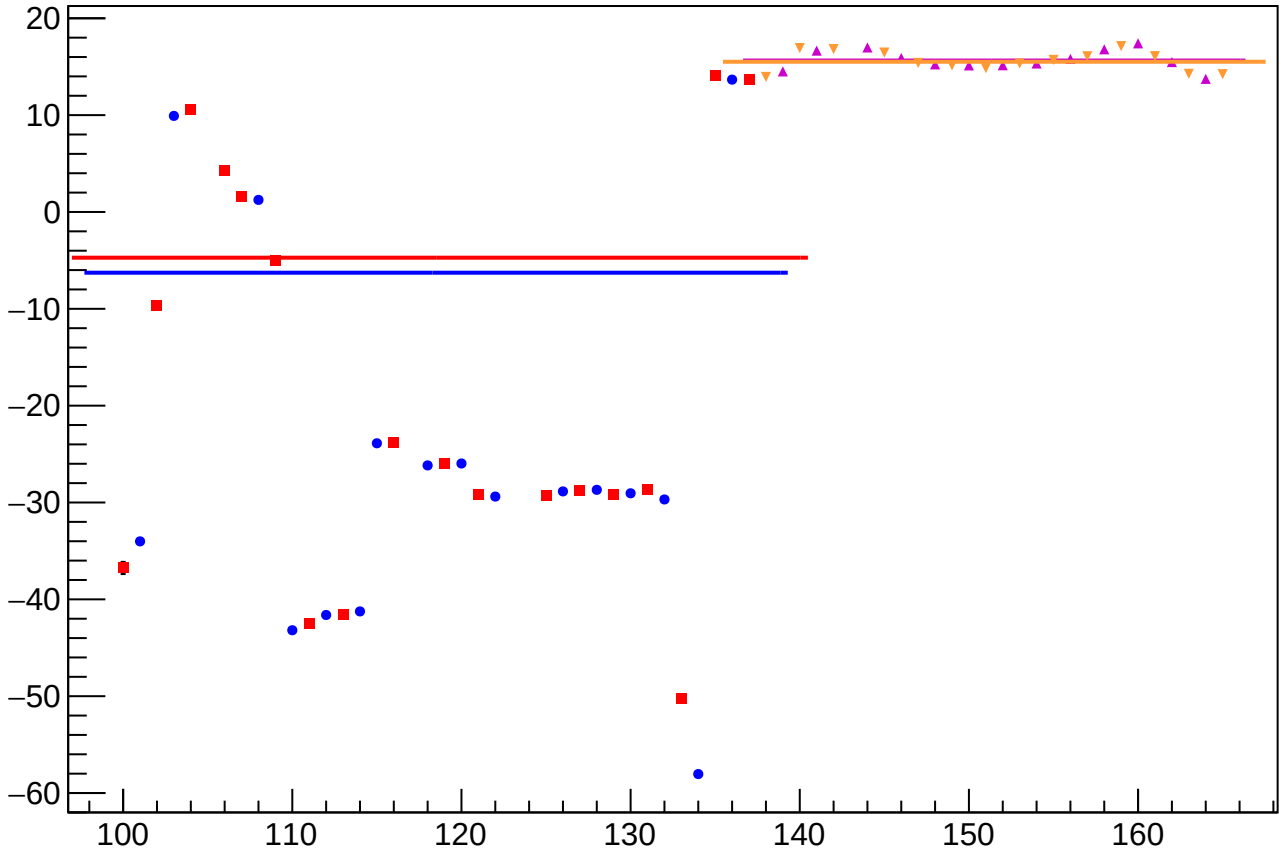
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -5.964+/-0.416 χ^2/NDF:93.6/12

+ sign 1.327+/-0.343 χ^2/NDF: 2665.1/29

All: 1.376+/-0.243 χ^2/NDF: 5249.8/60

- sign 1.425+/-0.345 χ^2/NDF: 2584.7/30



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.512+/-0.019 χ^2/NDF:2748.6/13

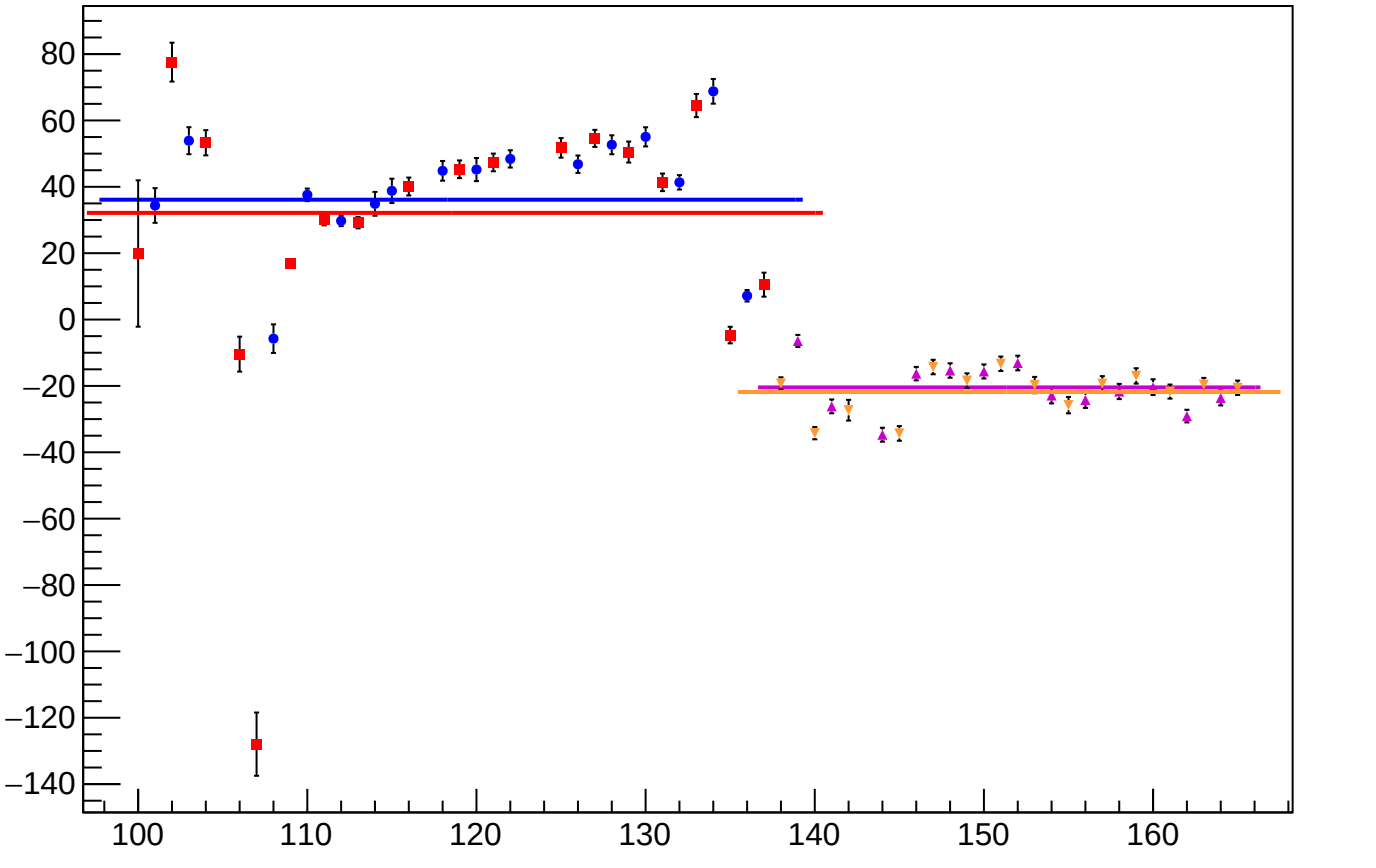
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.638+/-0.019 χ^2/NDF:2555.2/12

+ sign 10.320+/-0.016 χ^2/NDF: 736863.8/29

All: 10.565+/-0.012 χ^2/NDF: 1325140.3/60

- sign 10.812+/-0.016 χ^2/NDF: 587824.7/30



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -21.838+/-0.588 χ^2/NDF:121.6/13

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

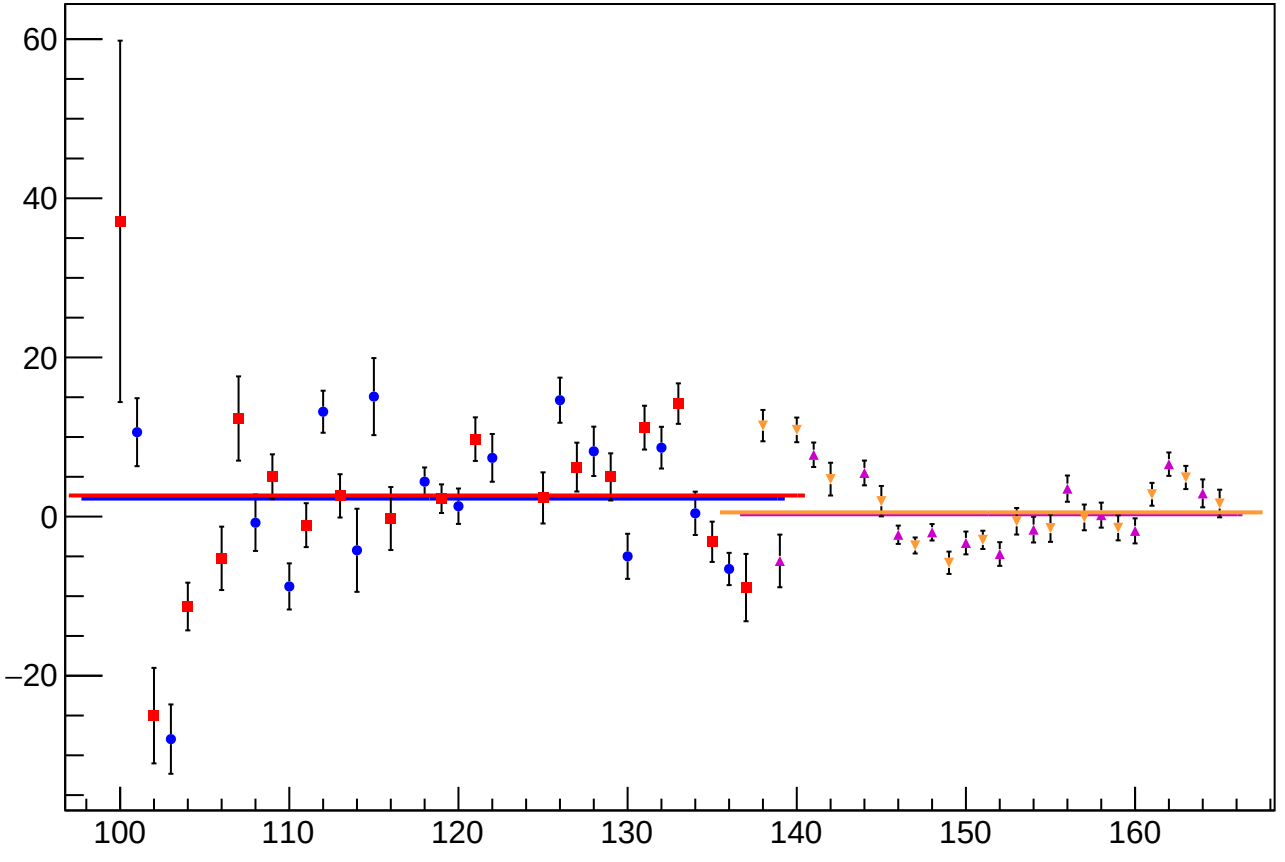
Left In: -20.453+/-0.597 χ^2/NDF:163.5/12

\+ sign 3.964+/-0.438 χ^2/NDF: 5069.2/29

All: 4.182+/-0.308 χ^2/NDF: 10019.1/60

\- sign 4.395+/-0.433 χ^2/NDF: 4949.4/30

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.528+/-0.401 χ^2/NDF:142.2/13

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

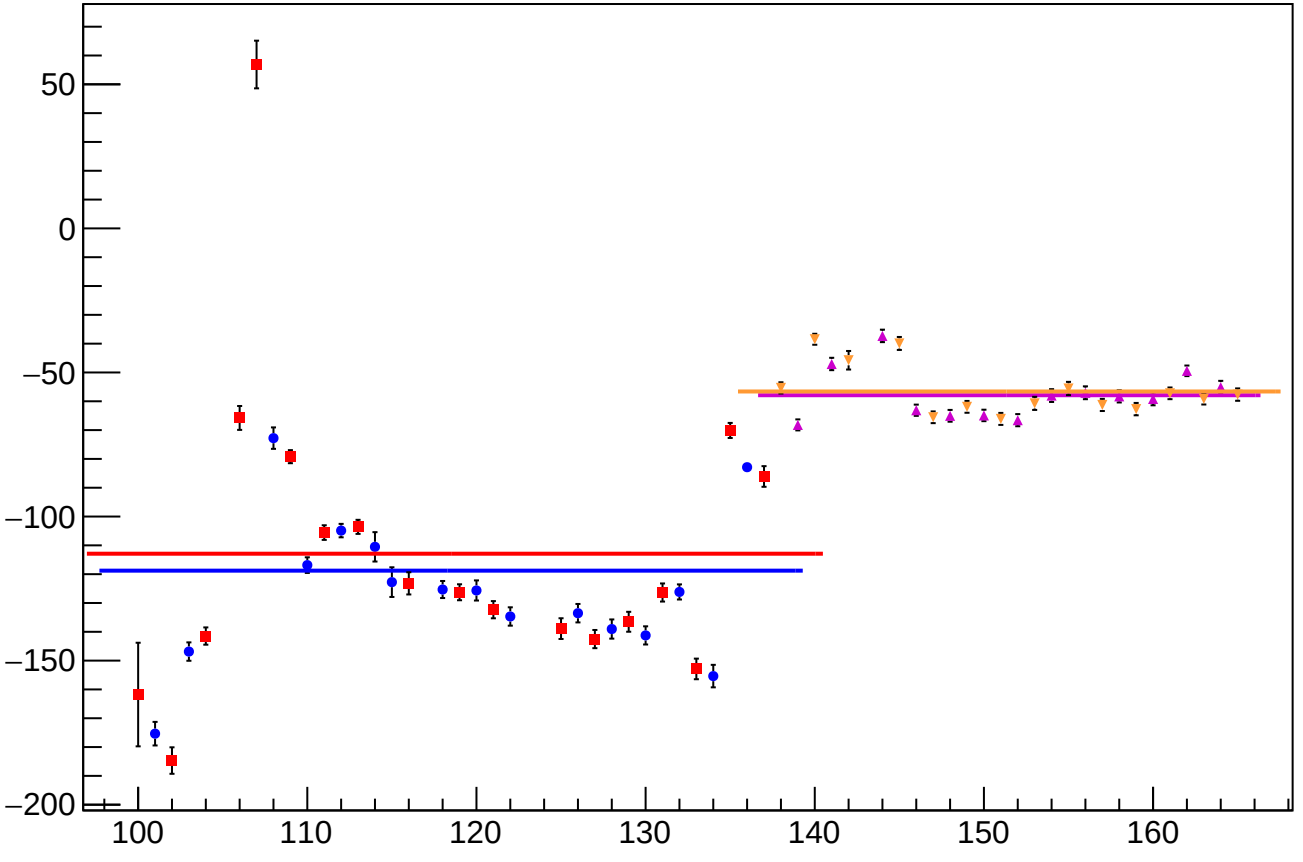
Left In: 0.291+/-0.412 χ^2/NDF:92.8/12

+ sign 0.956+/-0.348 χ^2/NDF: 298.8/29

All: 0.918+/-0.249 χ^2/NDF: 507.0/60

- sign 0.878+/-0.357 χ^2/NDF: 208.2/30

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: -56.598+/-0.569 χ^2/NDF:222.7/13

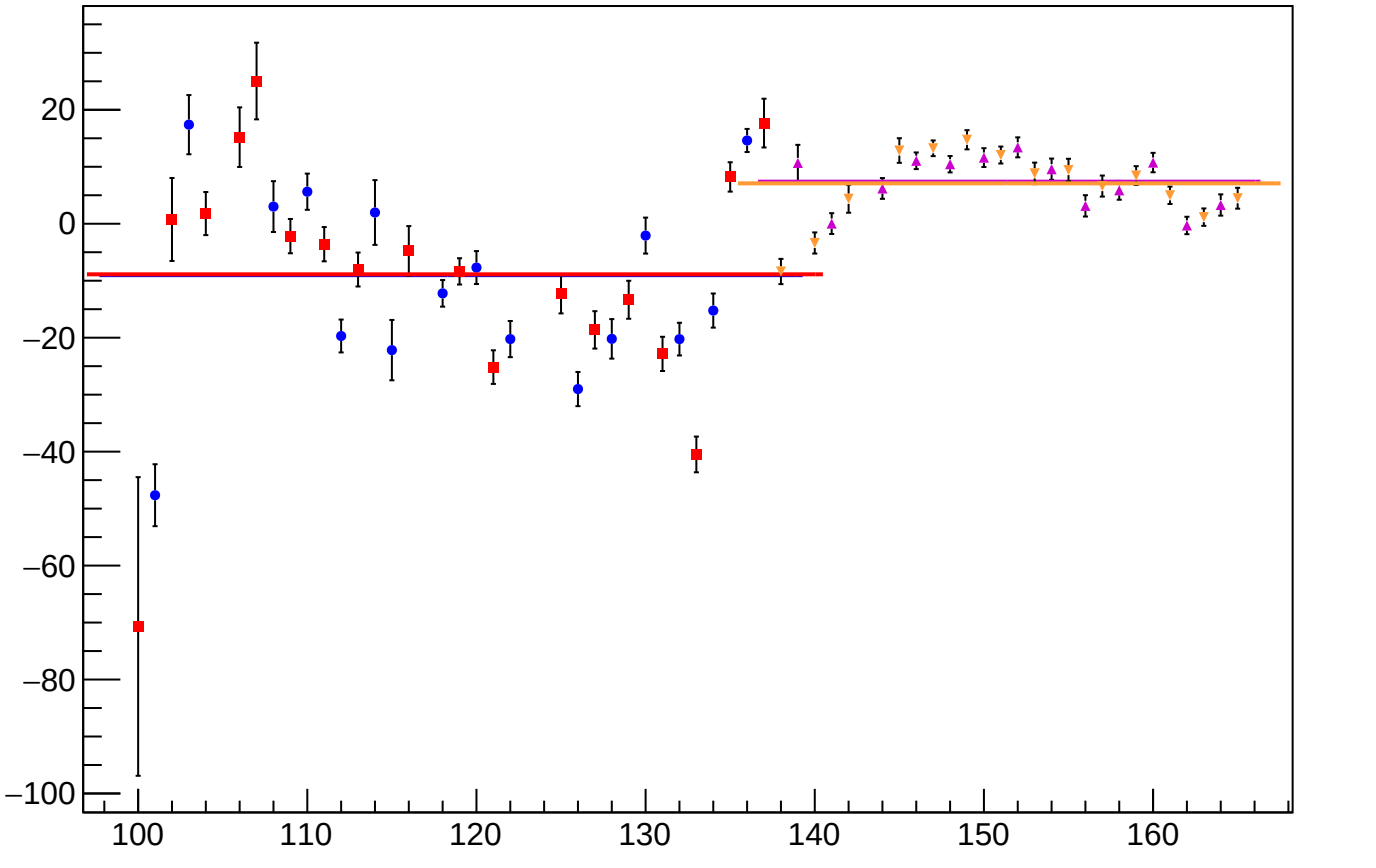
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -57.894+/-0.576 χ^2/NDF:216.8/12

\+ sign -79.077+/-0.455 χ^2/NDF: 5652.0/29

All: -78.502+/-0.323 χ^2/NDF: 11057.9/60

\- sign -77.917+/-0.459 χ^2/NDF: 5402.6/30



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 7.088+/-0.468 χ^2/NDF:162.7/13

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

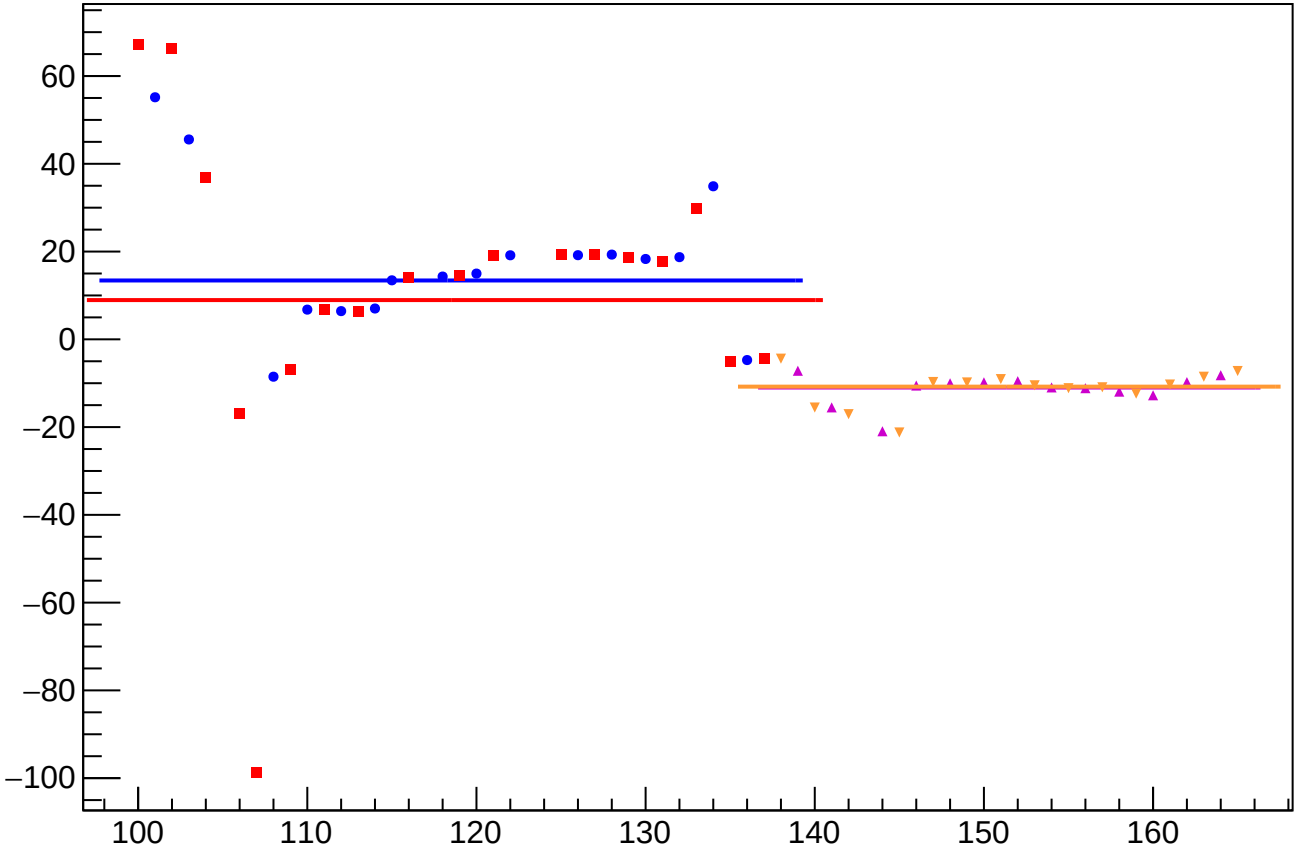
Left In: 7.387+/-0.480 χ^2/NDF:88.3/12

\+ sign 2.942+/-0.404 χ^2/NDF: 825.2/29

All: 3.051+/-0.289 χ^2/NDF: 1530.6/60

\- sign 3.166+/-0.413 χ^2/NDF: 705.3/30

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -10.783+/-0.021 χ^2/NDF:30389.1/13

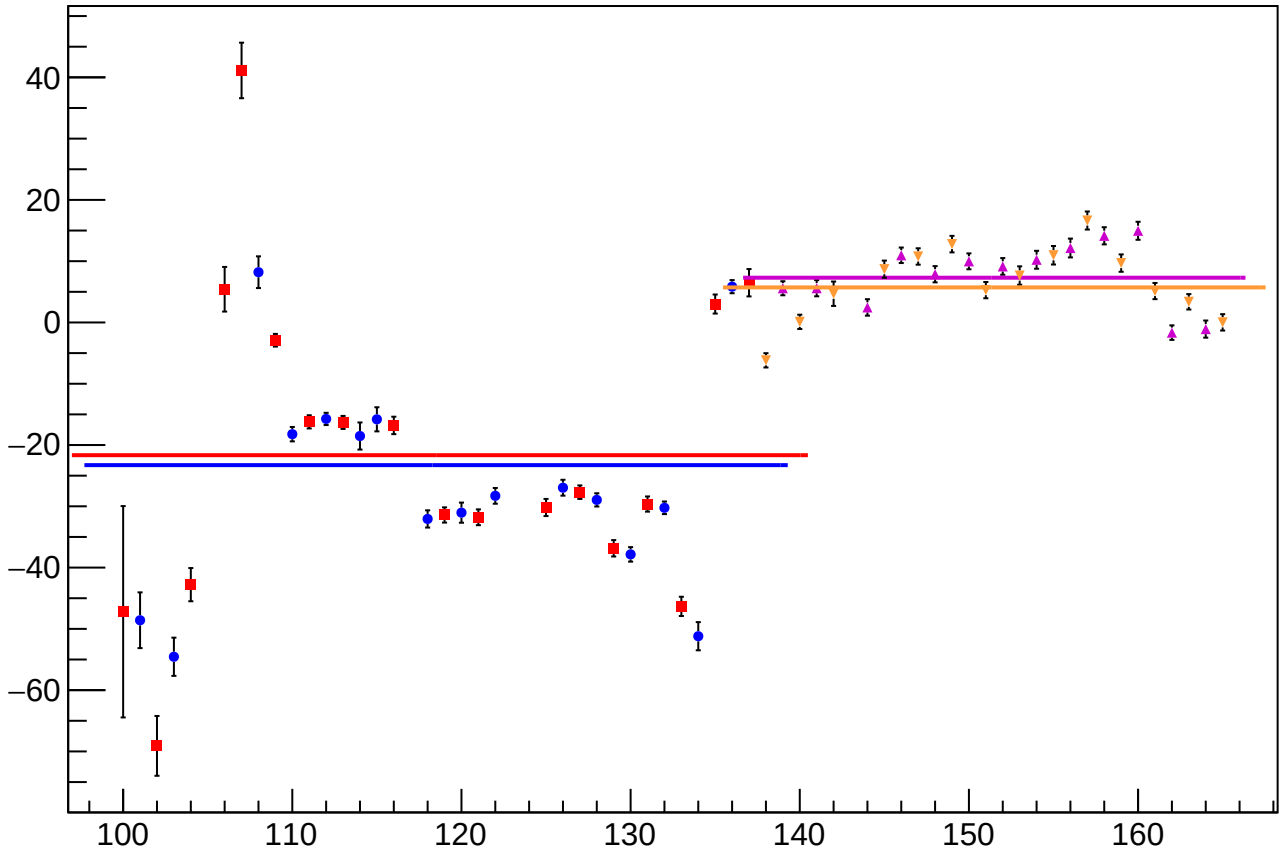
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.988+/-0.022 χ^2/NDF:19260.0/12

+ sign -6.357+/-0.019 χ^2/NDF: 447361.1/29

All: -6.955+/-0.014 χ^2/NDF: 906160.0/60

- sign -7.569+/-0.020 χ^2/NDF: 456866.6/30



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 5.719+/-0.365 χ^2/NDF:272.1/13

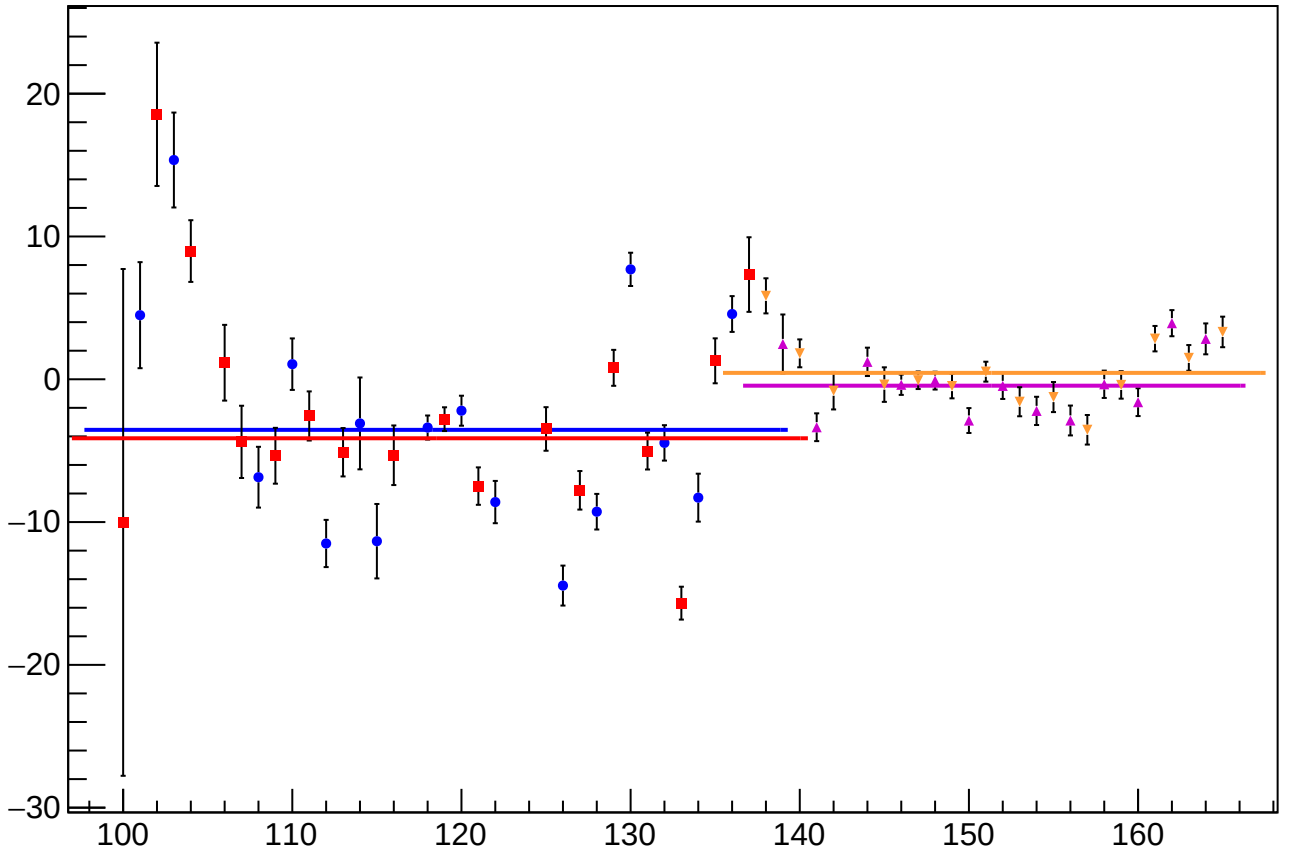
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.304+/-0.370 χ^2/NDF:189.6/12

+ sign -9.365+/-0.253 χ^2/NDF: 5127.0/29

All: -8.728+/-0.179 χ^2/NDF: 10401.0/60

- sign -8.089+/-0.253 χ^2/NDF: 5261.3/30



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.448+/-0.248 χ^2/NDF:62.4/13

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

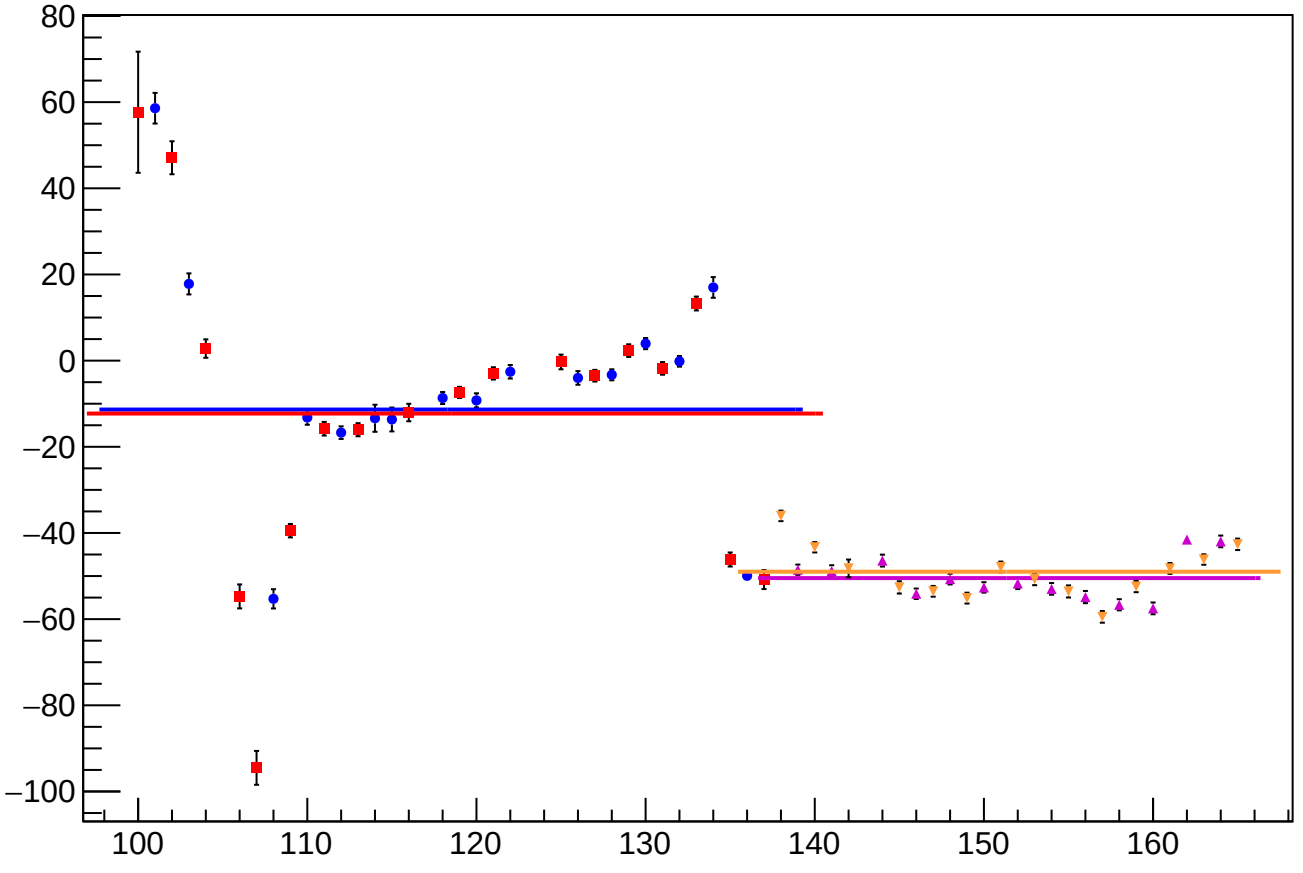
Left In: -0.449+/-0.254 χ^2/NDF:64.1/12

+ sign -0.823+/-0.205 χ^2/NDF: 461.6/29

All: -1.215+/-0.146 χ^2/NDF: 827.8/60

- sign -1.627+/-0.210 χ^2/NDF: 358.7/30

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.989+/-0.353 χ^2/NDF:287.7/13

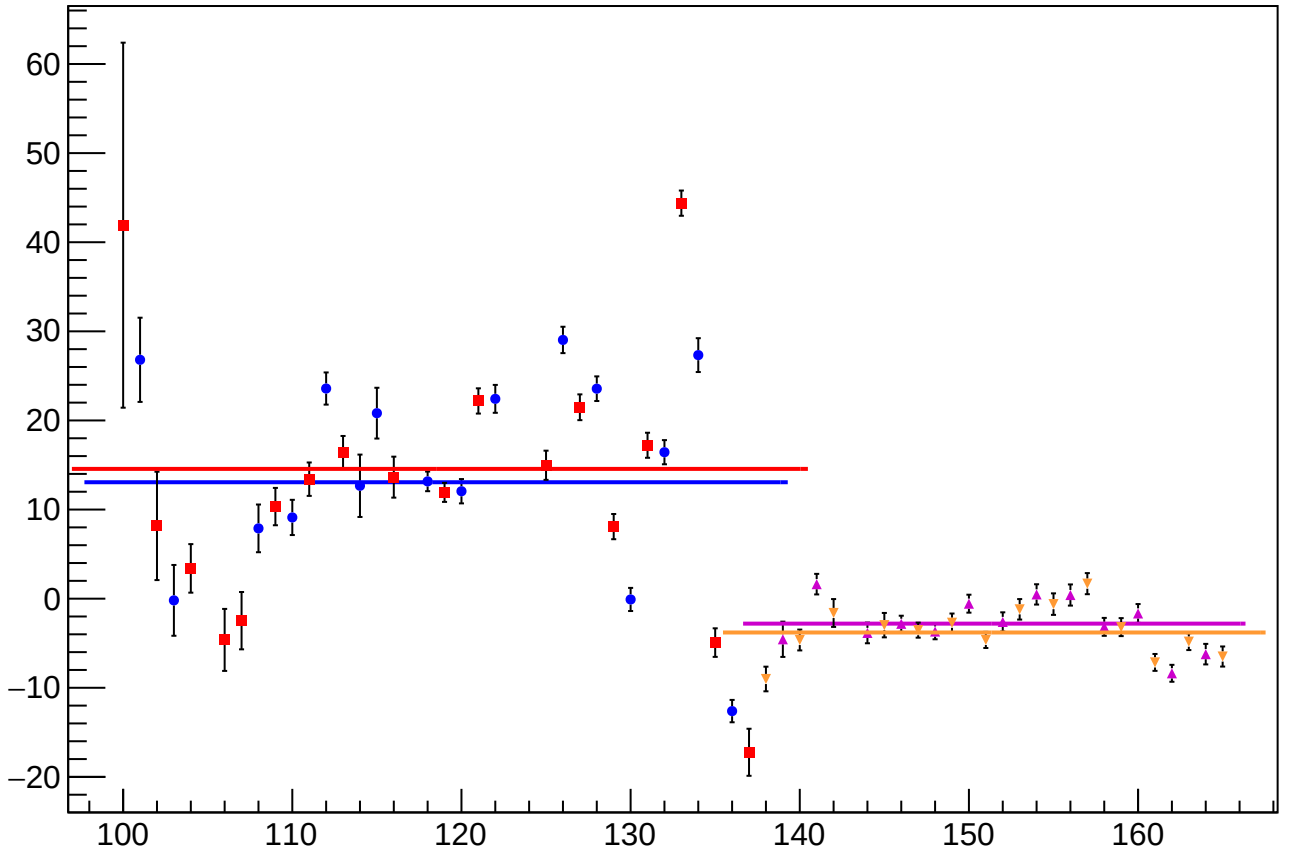
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.475+/-0.357 χ^2/NDF:189.1/12

+ sign -32.771+/-0.266 χ^2/NDF: 7846.5/29

All: -33.460+/-0.190 χ^2/NDF: 15537.3/60

- sign -34.169+/-0.270 χ^2/NDF: 7677.2/30



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.795+/-0.290 χ^2/NDF:72.5/13

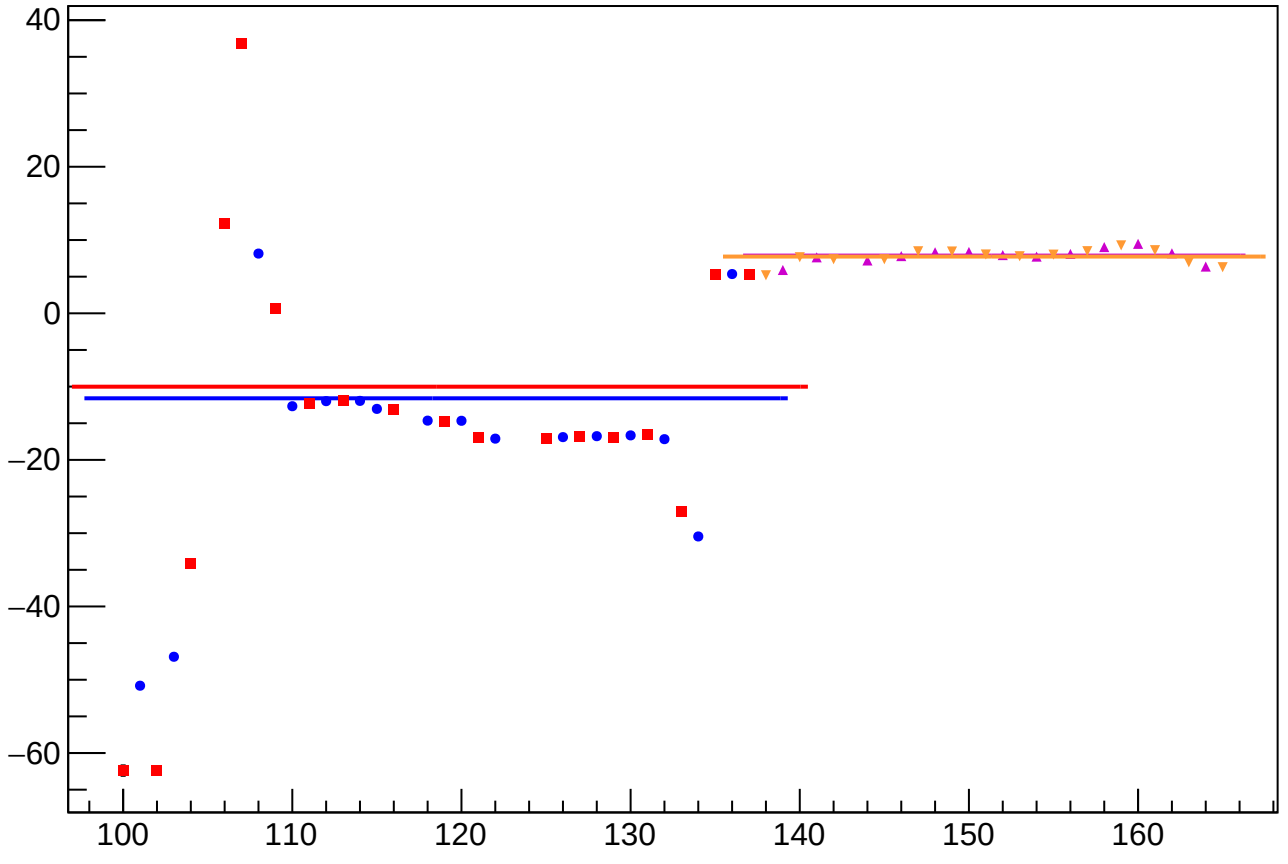
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.801+/-0.297 χ^2/NDF:82.6/12

+ sign 1.733+/-0.237 χ^2/NDF: 2046.8/29

All: 2.320+/-0.170 χ^2/NDF: 4176.3/60

- sign 2.932+/-0.243 χ^2/NDF: 2117.0/30



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.744+/-0.013 χ^2/NDF:6271.9/13

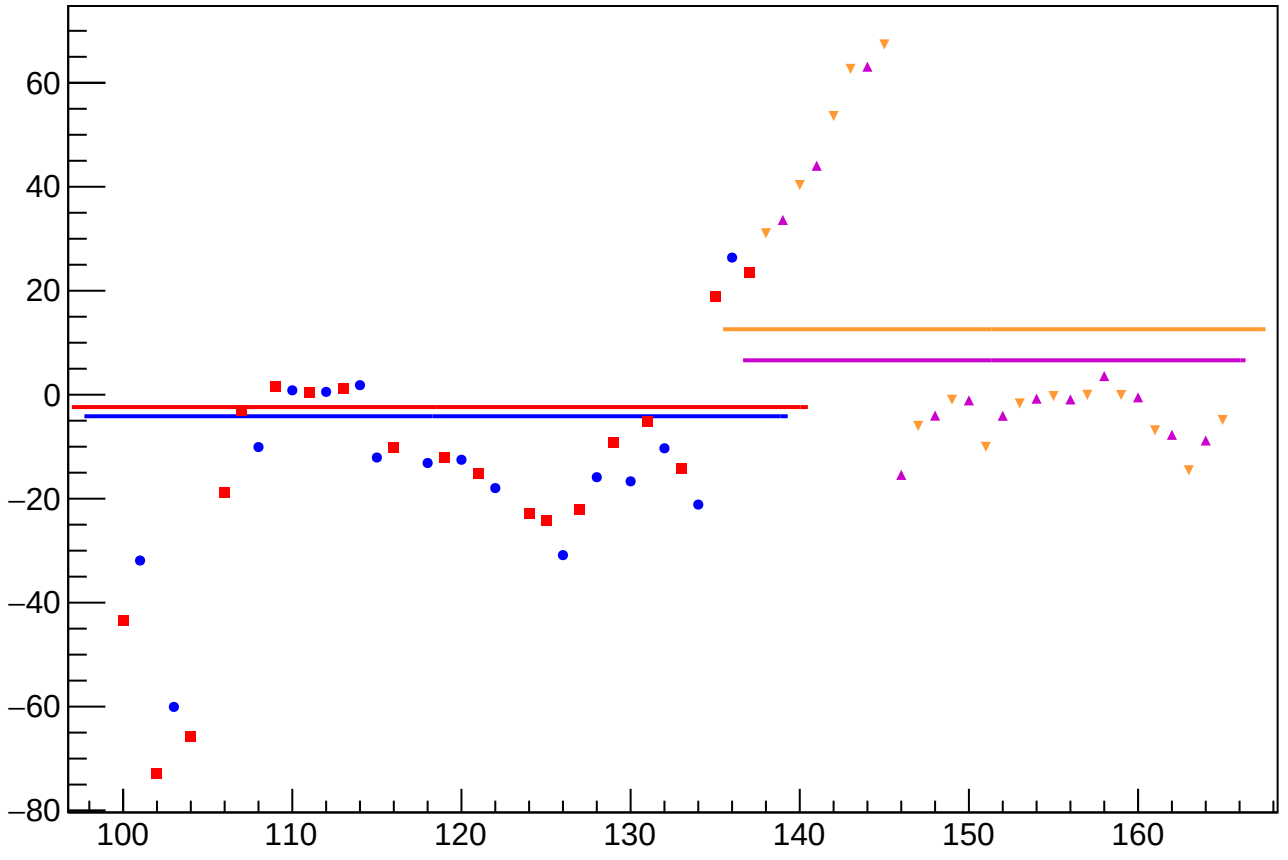
Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.876+/-0.013 χ^2/NDF:5138.4/12

+ sign 3.817+/-0.012 χ^2/NDF: 797412.7/29

All: 4.129+/-0.008 χ^2/NDF: 1543688.0/60

- sign 4.450+/-0.012 χ^2/NDF: 744867.3/30



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 12.594+/-0.067 χ^2/NDF:137442.2/14

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

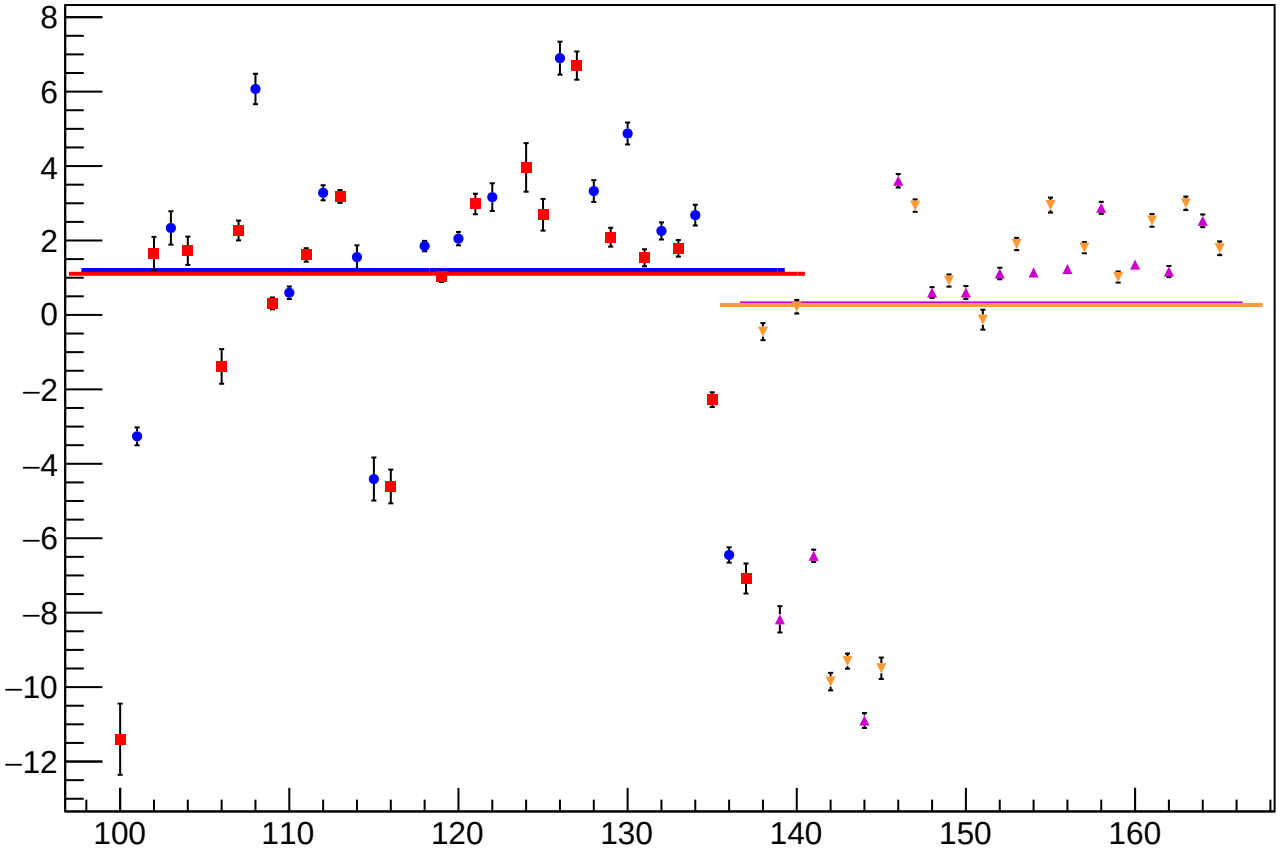
Left In: 6.617+/-0.059 χ^2/NDF:114731.5/12

+ sign 2.551+/-0.042 χ^2/NDF: 250190.2/30

All: 1.677+/-0.028 χ^2/NDF: 460850.0/62

- sign 1.034+/-0.036 χ^2/NDF: 209921.0/31

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.268+/-0.048 χ^2/NDF:6377.9/14

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

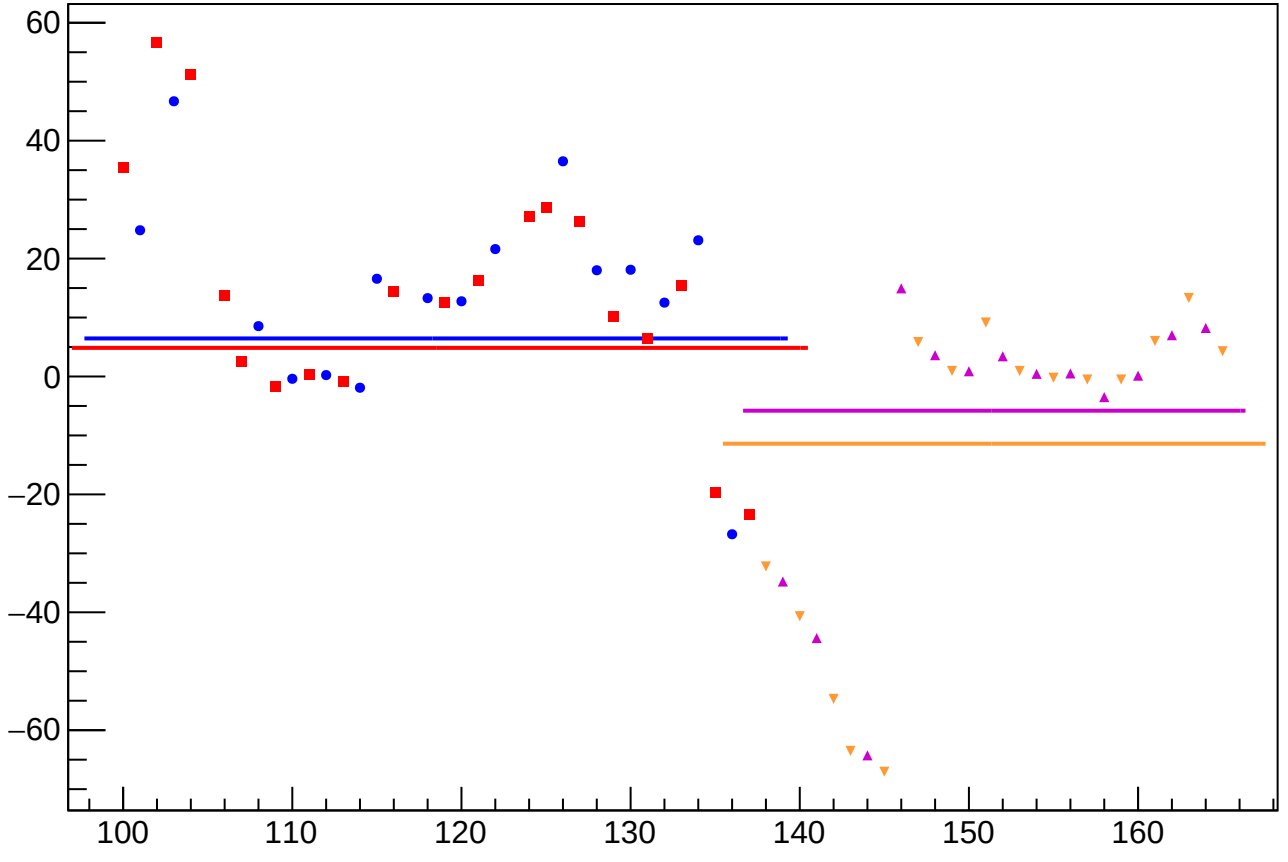
Left In: 0.311+/-0.041 χ^2/NDF:6380.0/12

+ sign 0.631+/-0.038 χ^2/NDF: 9110.3/30

All: 0.605+/-0.025 χ^2/NDF: 17204.8/62

- sign 0.585+/-0.034 χ^2/NDF: 8093.7/31

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -11.402+/-0.065 χ^2/NDF:135654.7/14

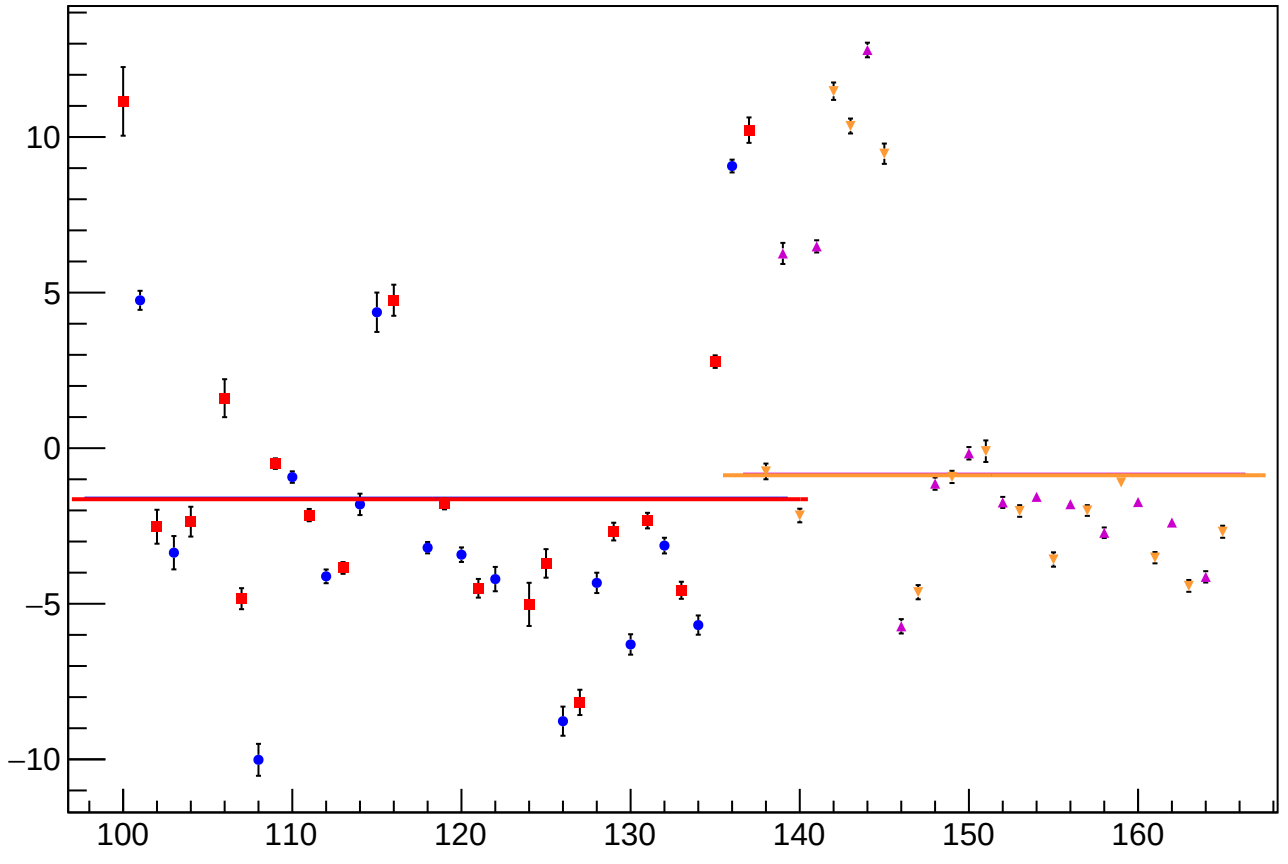
Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -5.802+/-0.056 χ^2/NDF:113500.5/12

+ sign -2.511+/-0.046 χ^2/NDF: 243961.1/30

All: -1.518+/-0.031 χ^2/NDF: 450589.1/62

- sign -0.738+/-0.041 χ^2/NDF: 205796.7/31



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.870+/-0.055 χ^2/NDF:6321.0/14

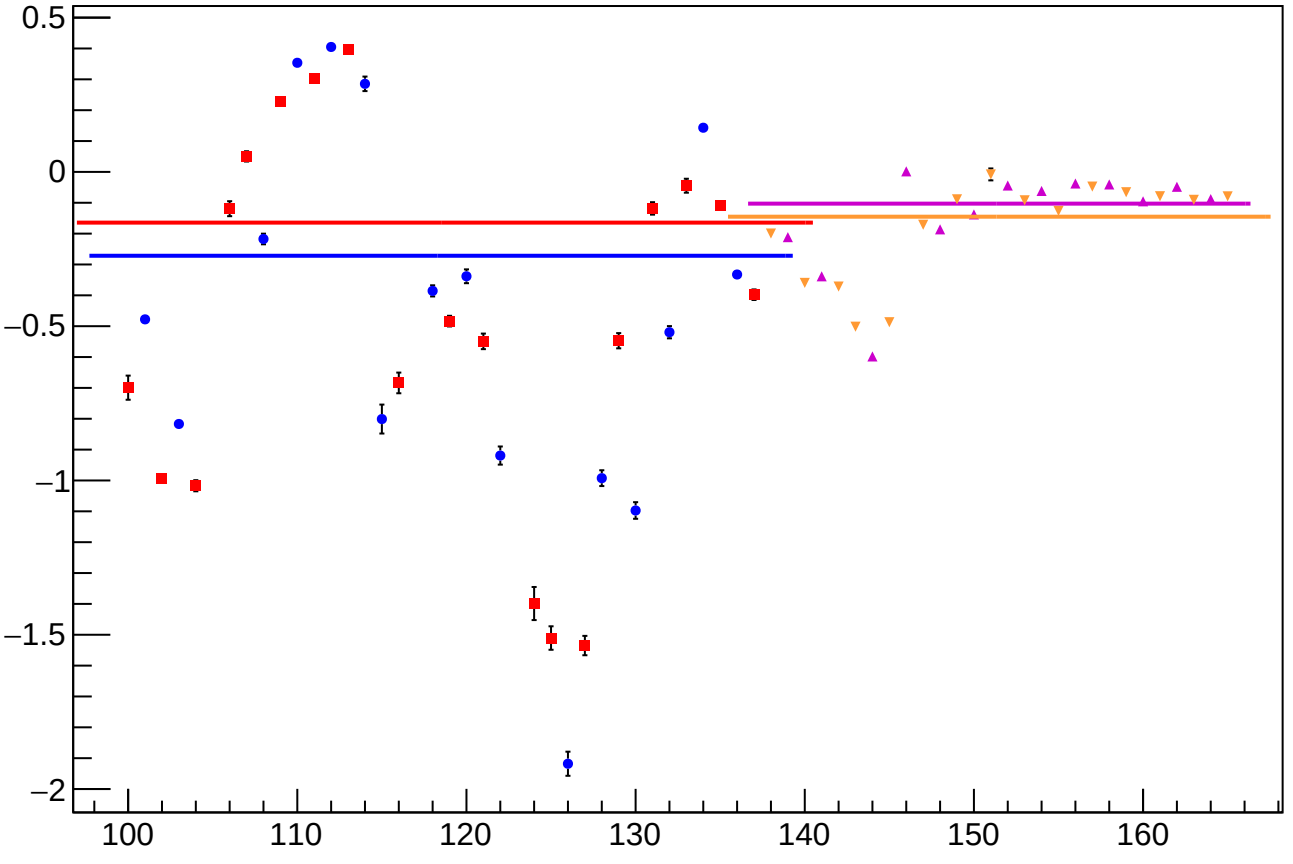
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.851+/-0.047 χ^2/NDF:6359.5/12

+ sign -1.157+/-0.043 χ^2/NDF: 10918.4/30

All: -1.139+/-0.028 χ^2/NDF: 19837.9/62

- sign -1.125+/-0.038 χ^2/NDF: 8919.2/31



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.145+/-0.002 χ^2/NDF:2913.6/14

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

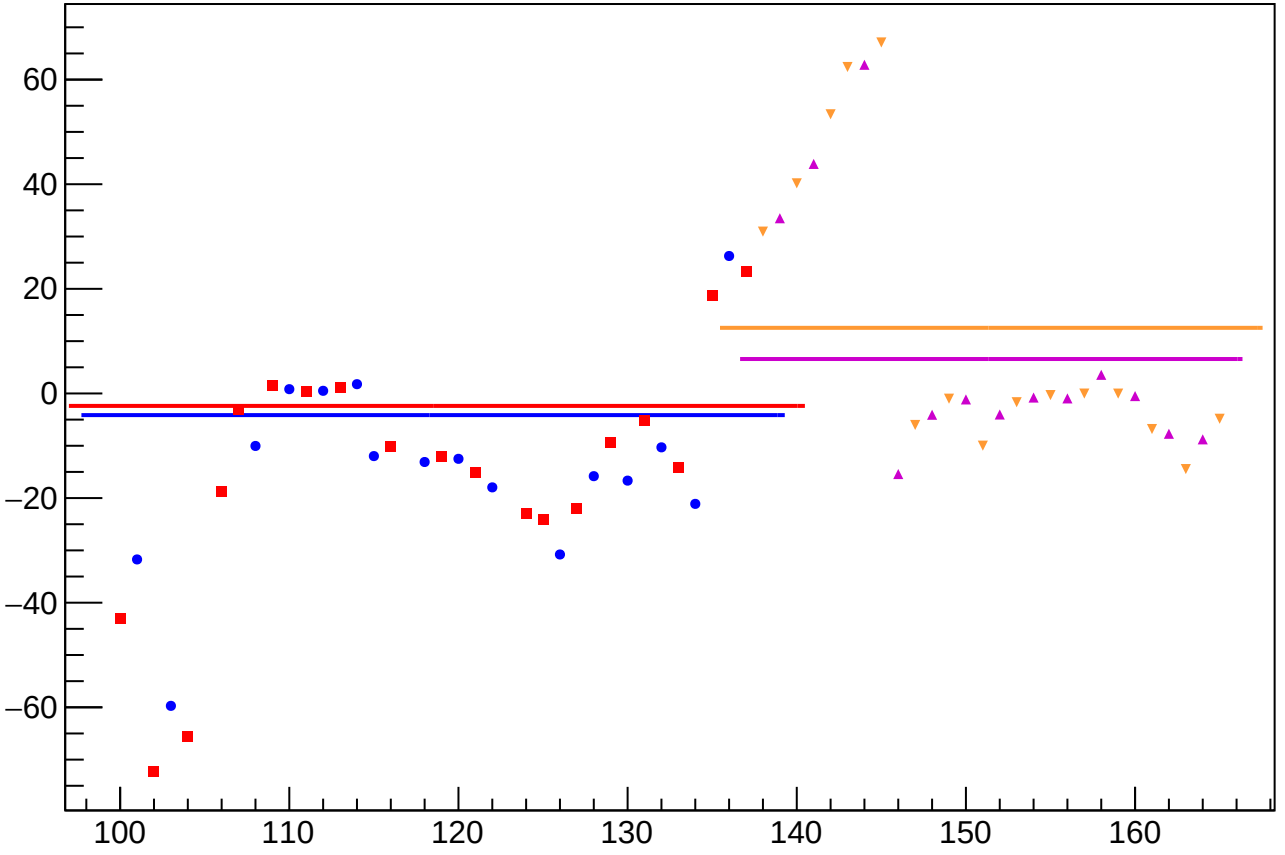
Left In: -0.103+/-0.002 χ^2/NDF:2989.9/12

+ sign -0.177+/-0.002 χ^2/NDF: 15656.9/30

All: -0.142+/-0.001 χ^2/NDF: 34837.8/62

- sign -0.116+/-0.002 χ^2/NDF: 18691.5/31

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 12.546+/-0.067 χ^2/NDF:137171.3/14

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

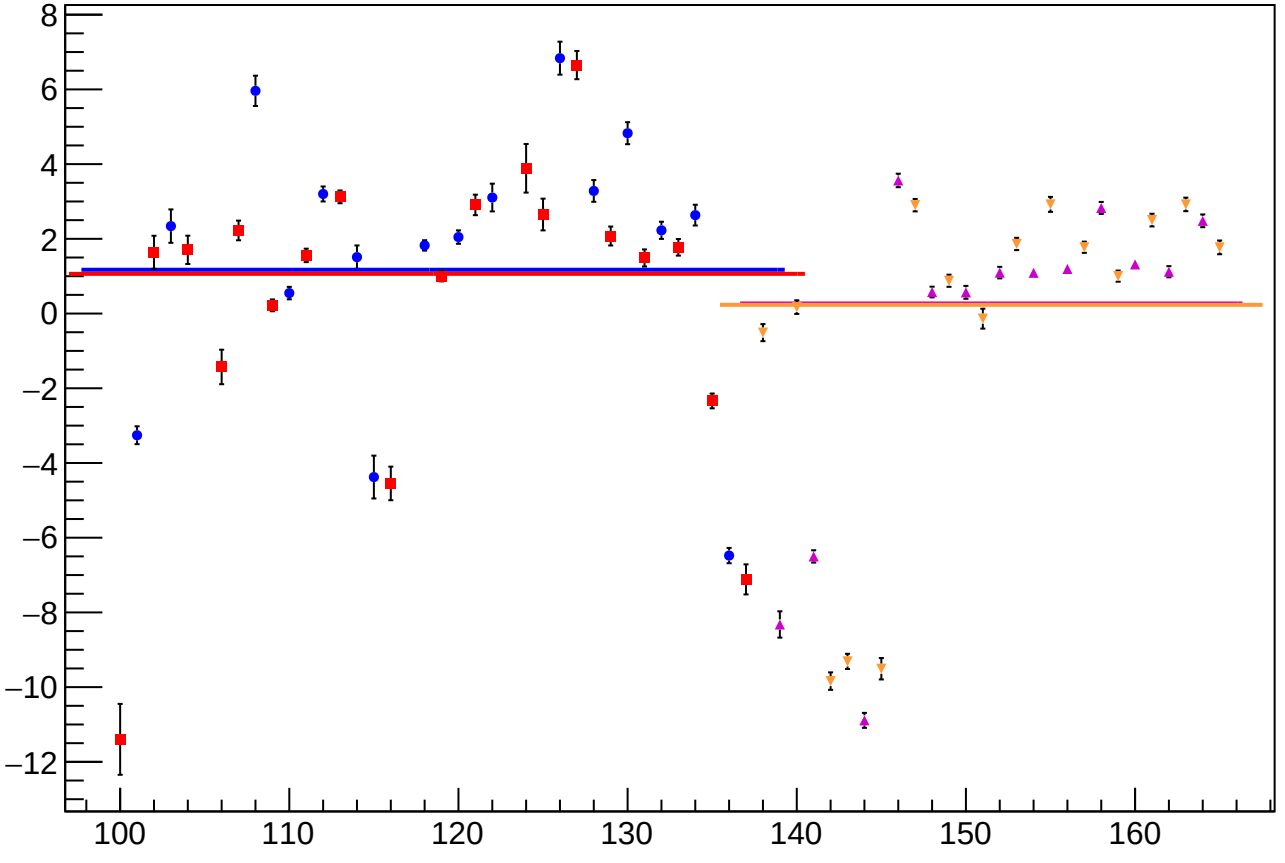
Left In: 6.584+/-0.059 χ^2/NDF:114616.9/12

+ sign 2.511+/-0.042 χ^2/NDF: 249979.9/30

All: 1.644+/-0.027 χ^2/NDF: 460442.6/62

- sign 1.006+/-0.036 χ^2/NDF: 209728.2/31

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.233+/-0.048 χ^2/NDF:6381.4/14

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

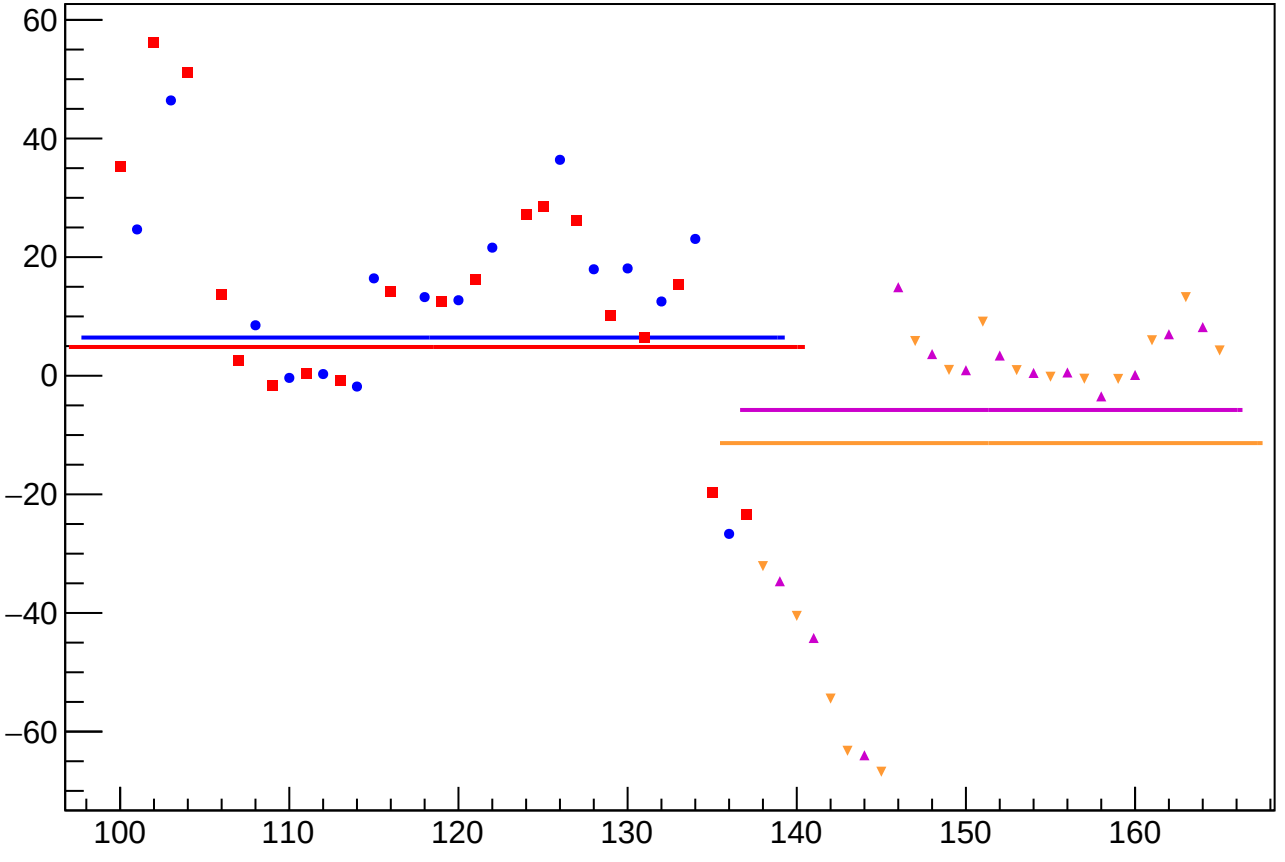
Left In: 0.270+/-0.041 χ^2/NDF:6397.2/12

+ sign 0.597+/-0.037 χ^2/NDF: 9115.3/30

All: 0.568+/-0.025 χ^2/NDF: 17237.0/62

- sign 0.544+/-0.033 χ^2/NDF: 8120.6/31

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -11.357+/-0.065 χ^2/NDF:135391.4/14

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

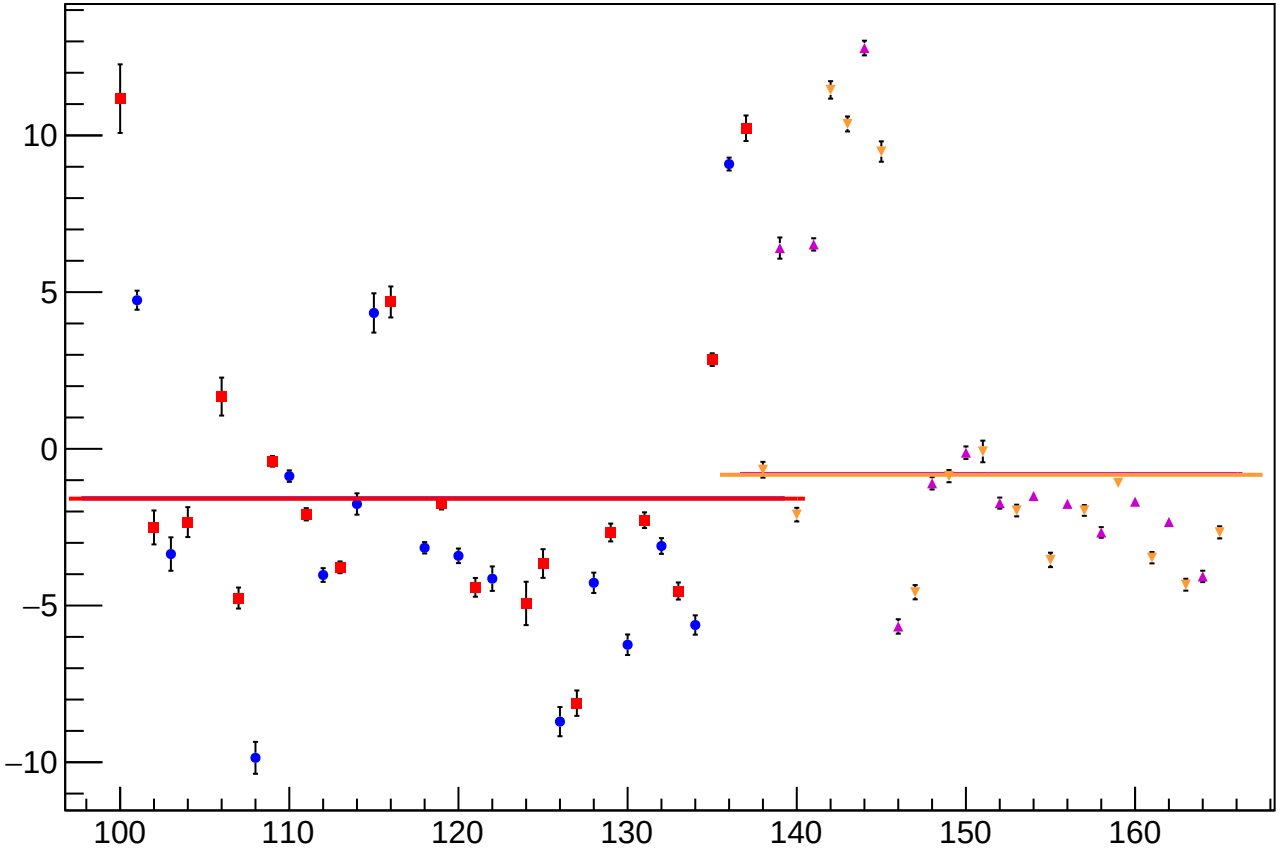
Left In: -5.771+/-0.056 χ^2/NDF:113384.4/12

+ sign -2.473+/-0.046 χ^2/NDF: 243748.4/30

All: -1.484+/-0.030 χ^2/NDF: 450174.9/62

- sign -0.708+/-0.041 χ^2/NDF: 205595.5/31

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -0.829+/-0.054 χ^2/NDF:6318.3/14

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

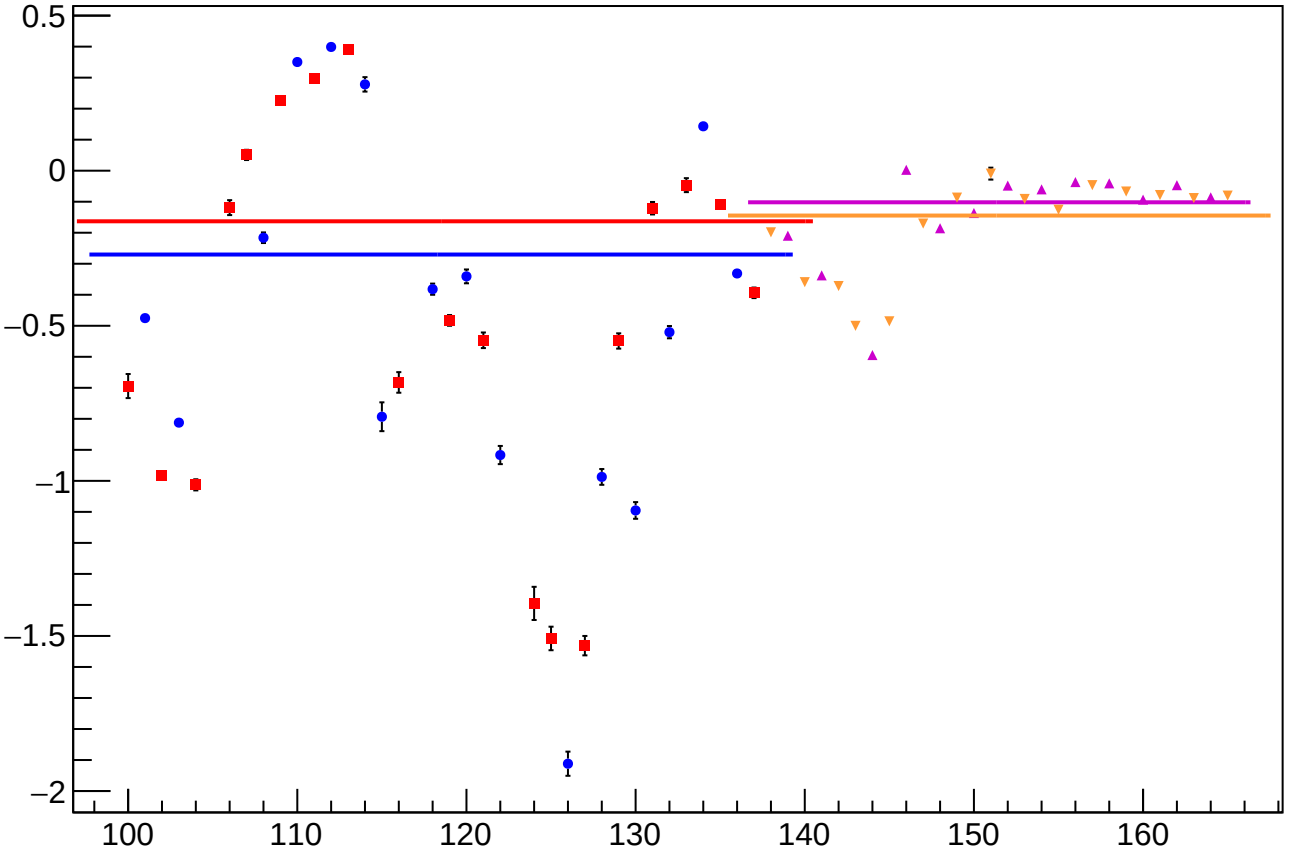
Left In: -0.802+/-0.047 χ^2/NDF:6374.3/12

+ sign -1.116+/-0.043 χ^2/NDF: 10915.3/30

All: -1.094+/-0.028 χ^2/NDF: 19860.1/62

- sign -1.077+/-0.038 χ^2/NDF: 8944.3/31

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.145+/-0.002 χ^2/NDF:2923.6/14

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

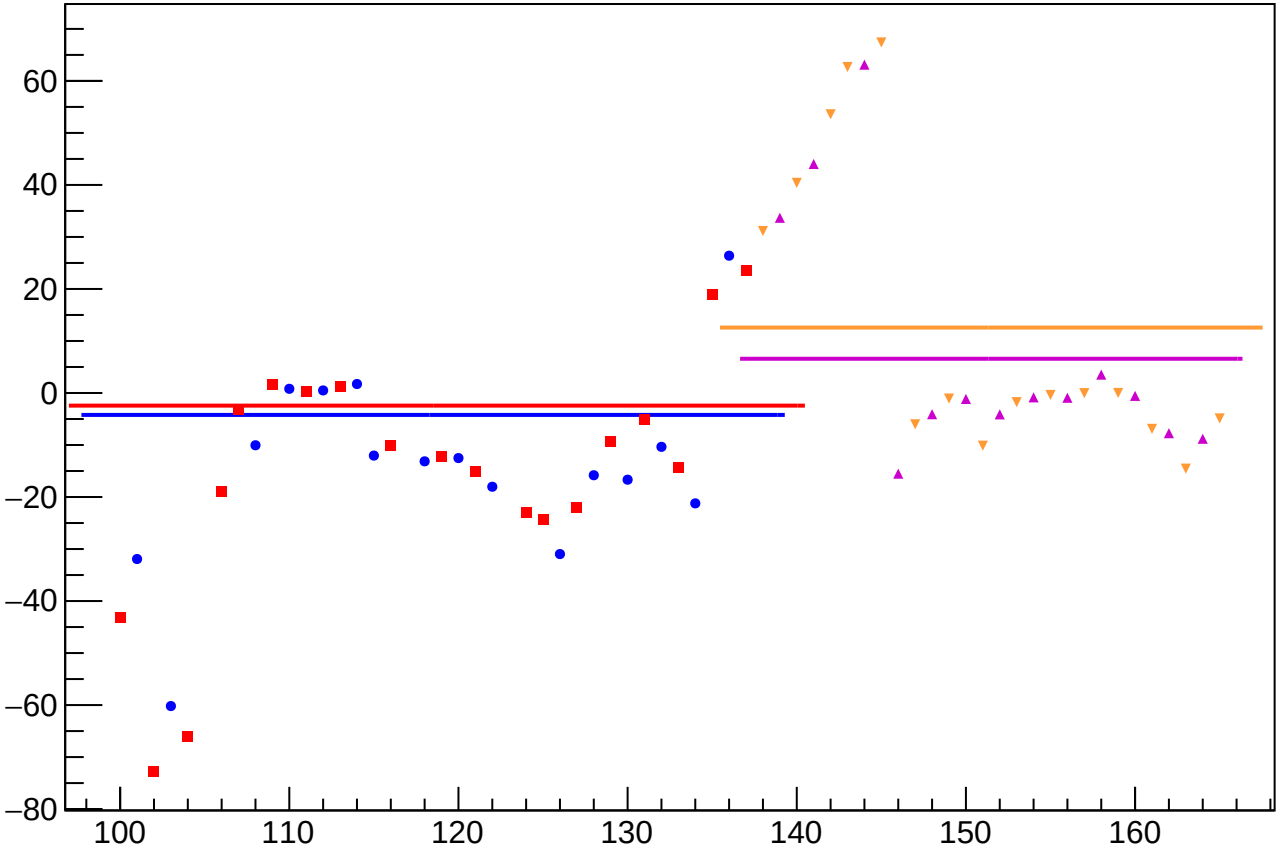
Left In: -0.102+/-0.002 χ^2/NDF:2979.8/12

+ sign -0.176+/-0.002 χ^2/NDF: 15651.3/30

All: -0.141+/-0.001 χ^2/NDF: 34843.0/62

- sign -0.115+/-0.002 χ^2/NDF: 18694.6/31

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 12.578+/-0.067 χ^2/NDF:137528.2/14

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

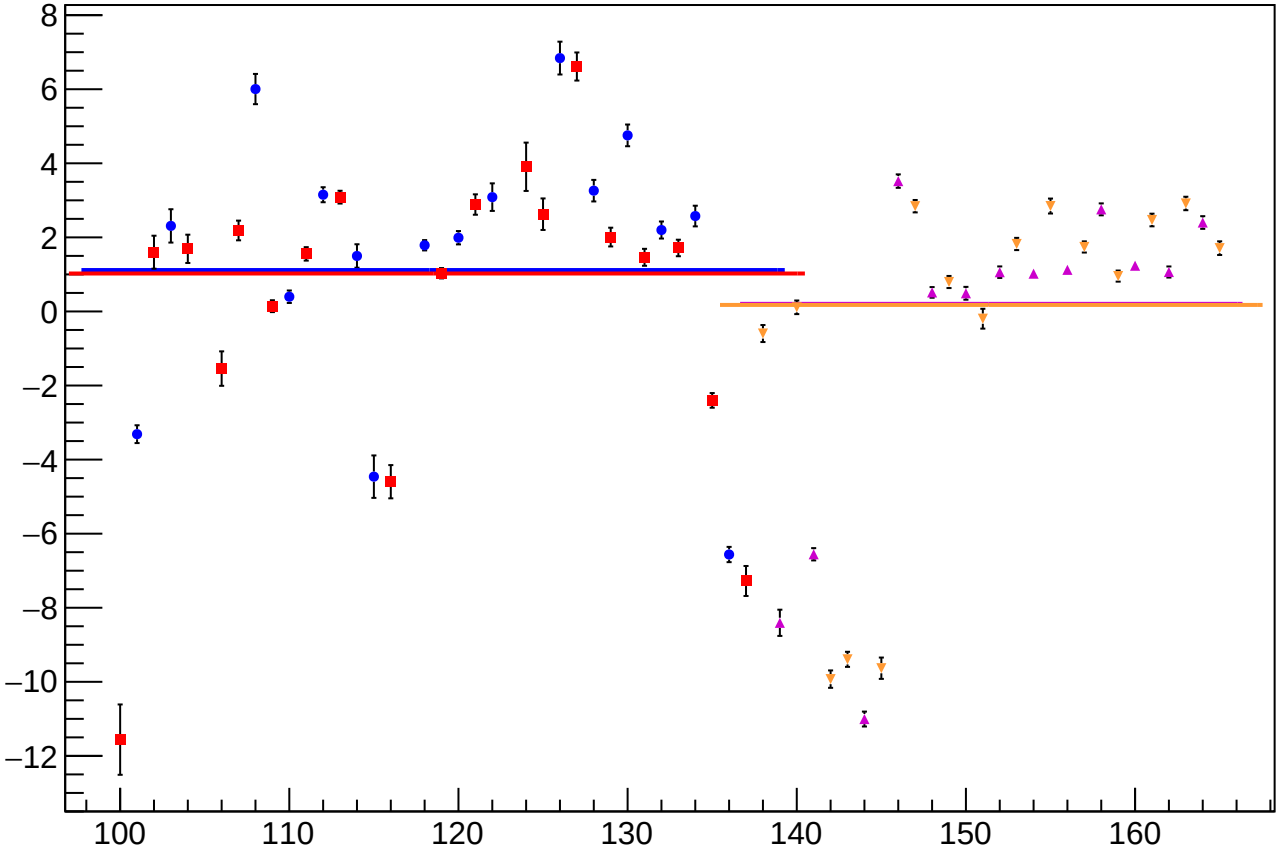
Left In: 6.581+/-0.059 χ^2/NDF:114765.1/12

+ sign 2.499+/-0.042 χ^2/NDF: 250407.9/30

All: 1.631+/-0.028 χ^2/NDF: 461070.8/62

- sign 0.992+/-0.036 χ^2/NDF: 209935.0/31

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.176+/-0.048 χ^2/NDF:6386.1/14

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

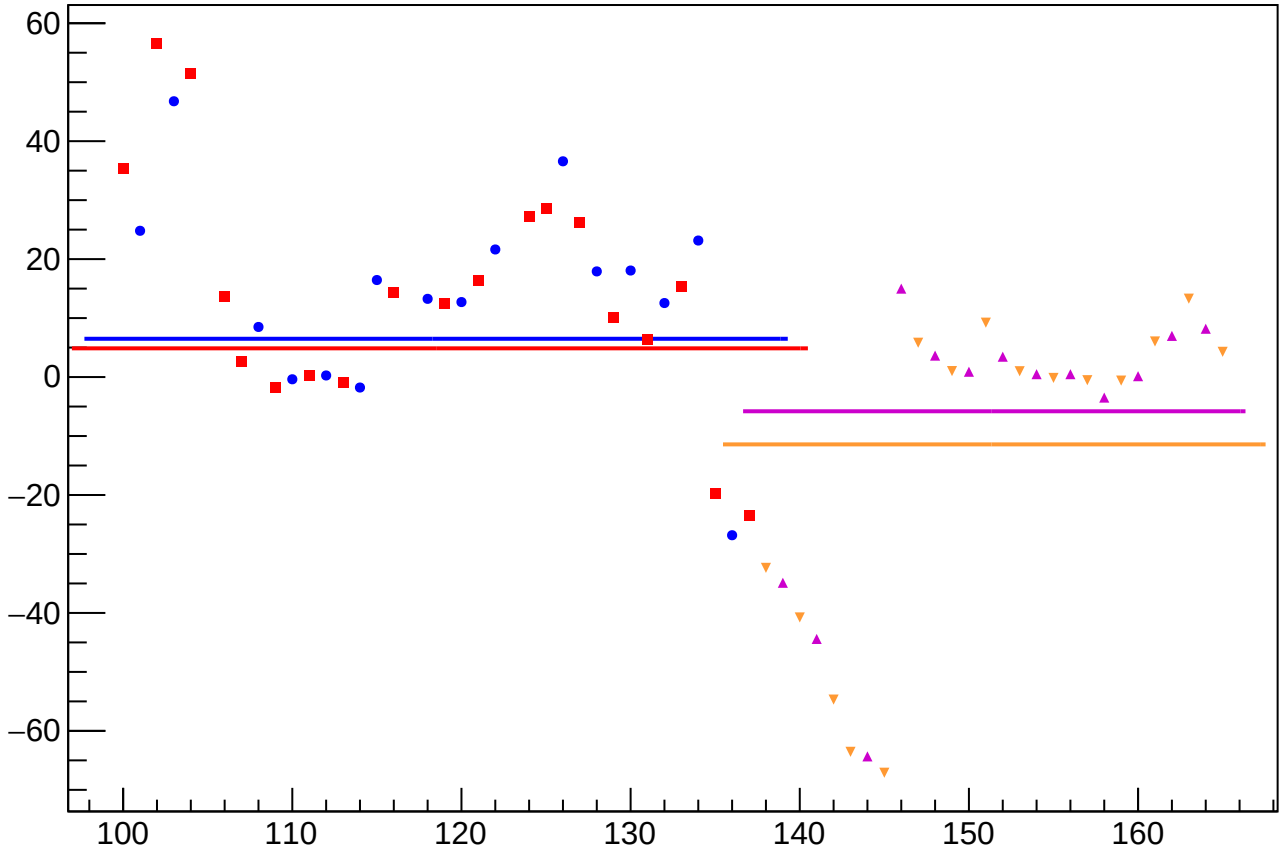
Left In: 0.205+/-0.042 χ^2/NDF:6370.8/12

+ sign 0.541+/-0.038 χ^2/NDF: 9126.7/30

All: 0.511+/-0.025 χ^2/NDF: 17245.0/62

- sign 0.488+/-0.034 χ^2/NDF: 8117.1/31

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -11.417+/-0.065 χ^2/NDF:135757.5/14

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

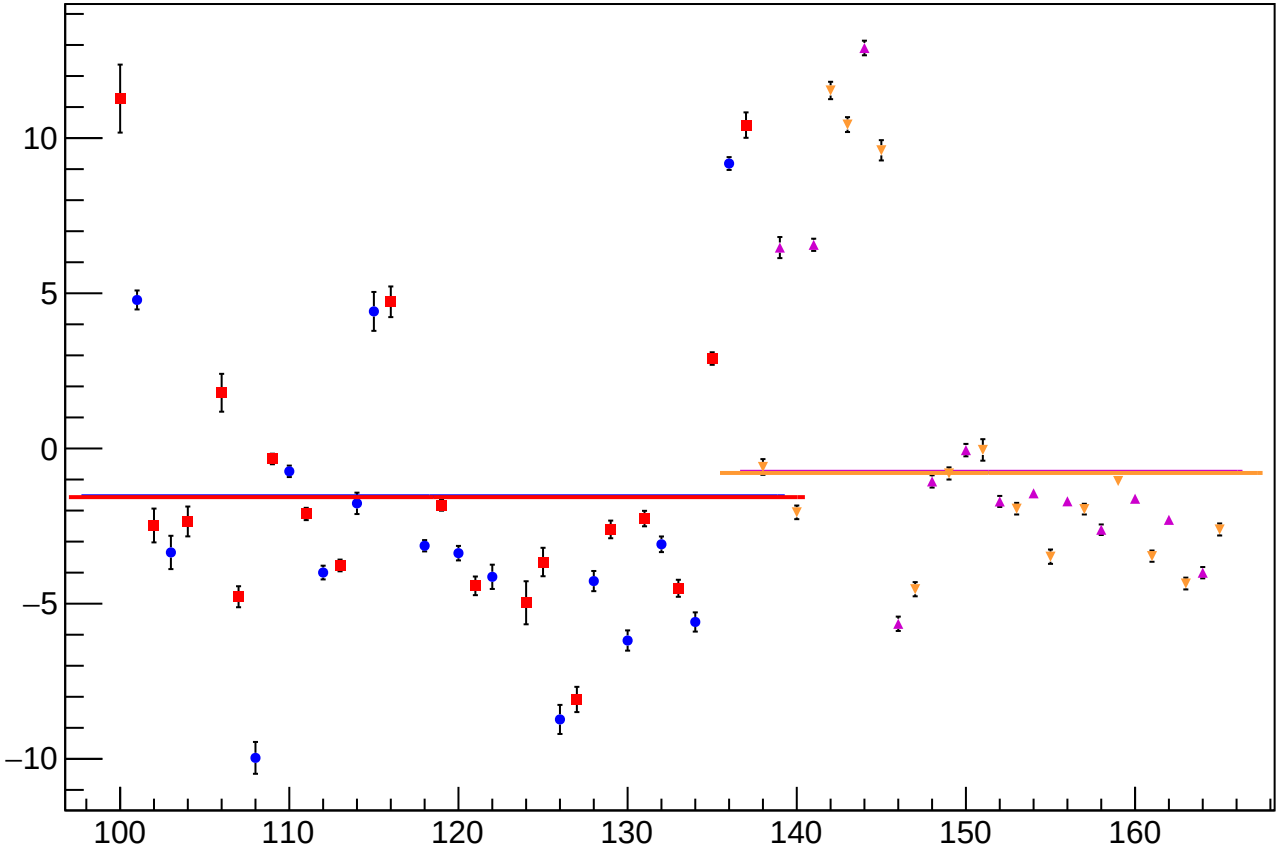
Left In: -5.802+/-0.056 χ^2/NDF:113535.2/12

+ sign -2.493+/-0.046 χ^2/NDF: 244205.5/30

All: -1.506+/-0.031 χ^2/NDF: 450877.6/62

- sign -0.730+/-0.041 χ^2/NDF: 205851.5/31

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.788+/-0.055 χ^2/NDF:6327.1/14

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

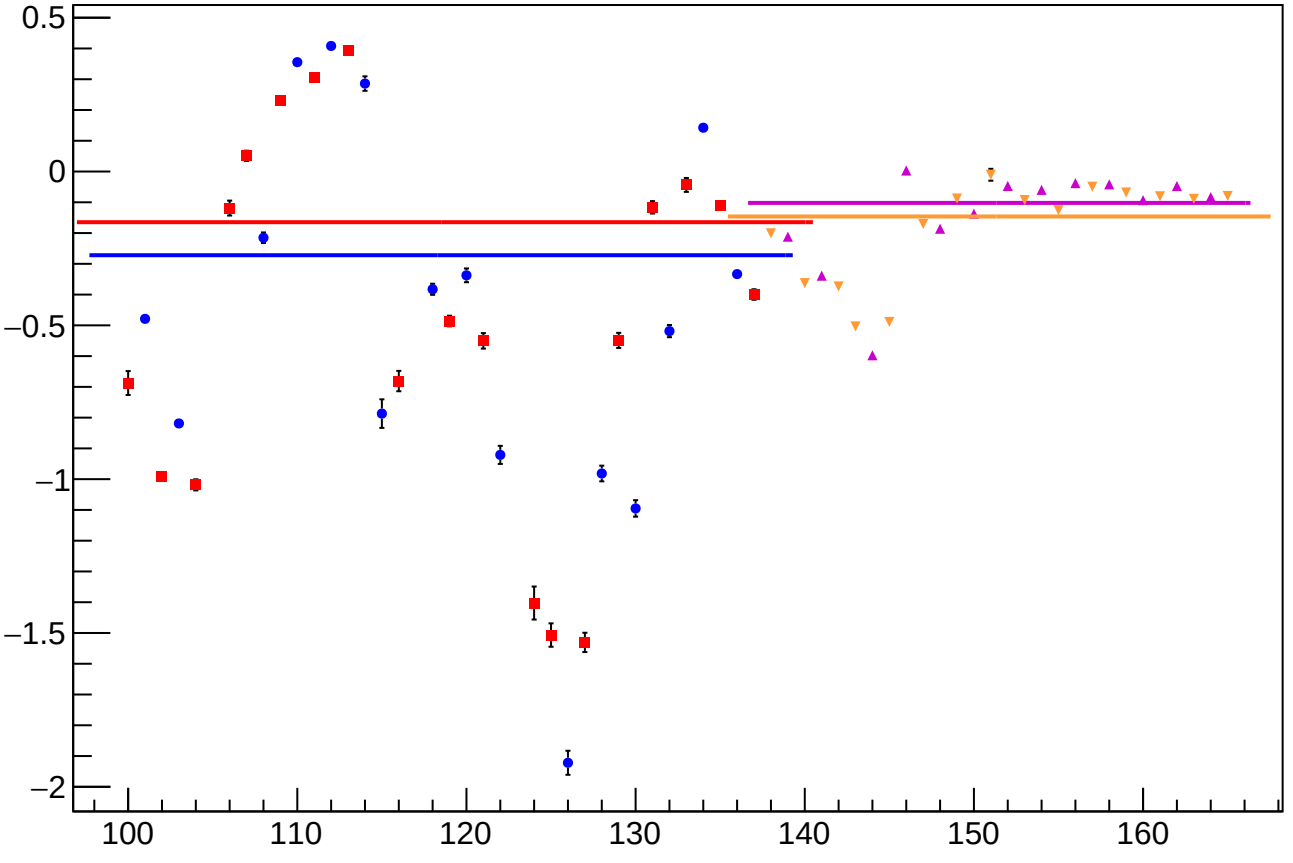
Left In: -0.751+/-0.047 χ^2/NDF:6354.4/12

+ sign -1.075+/-0.043 χ^2/NDF: 10935.1/30

All: -1.053+/-0.029 χ^2/NDF: 19891.1/62

- sign -1.035+/-0.038 χ^2/NDF: 8955.6/31

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.146+/-0.002 χ^2/NDF:2926.2/14

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

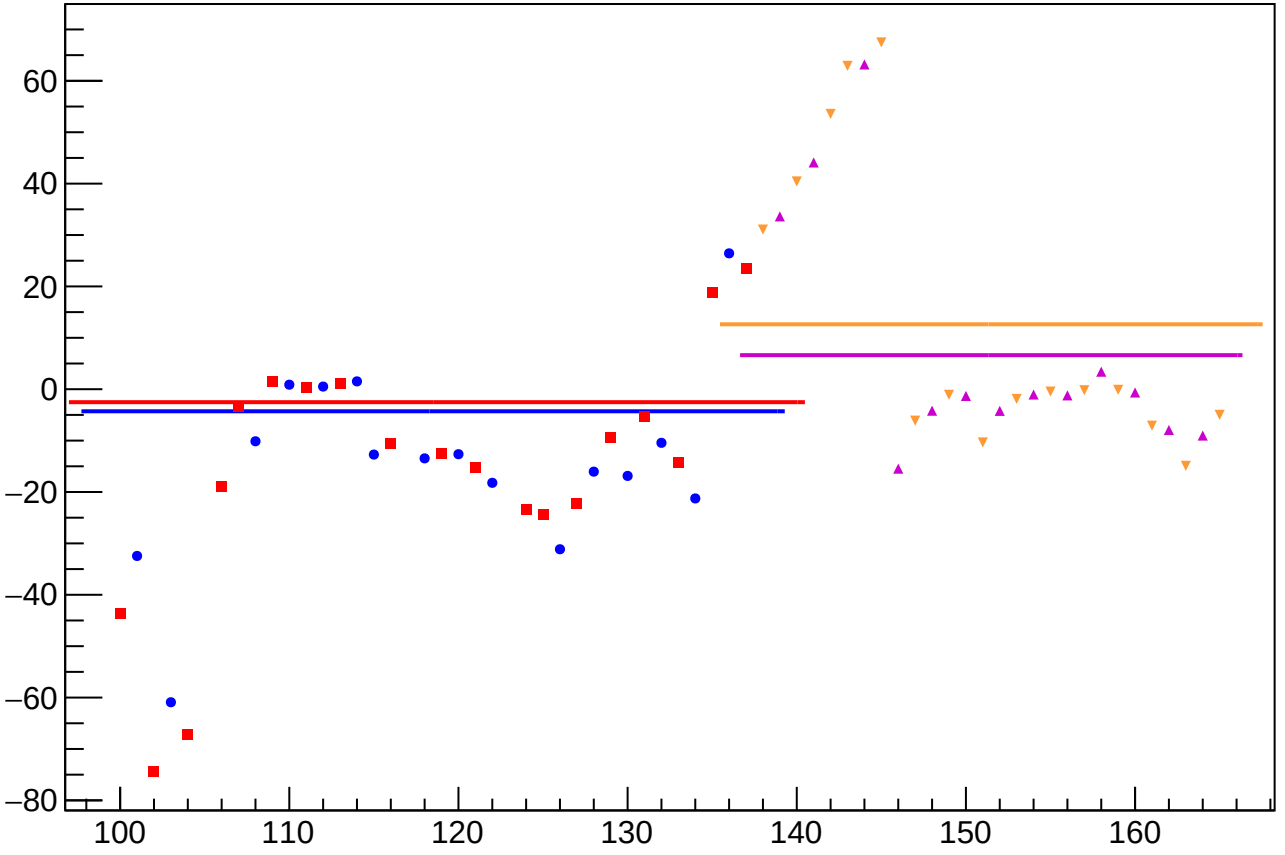
Left In: -0.102+/-0.002 χ^2/NDF:2987.4/12

+ sign -0.178+/-0.002 χ^2/NDF: 15676.6/30

All: -0.142+/-0.001 χ^2/NDF: 34878.2/62

- sign -0.116+/-0.002 χ^2/NDF: 18690.2/31

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 12.631+/-0.068 χ^2/NDF:135669.9/14

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

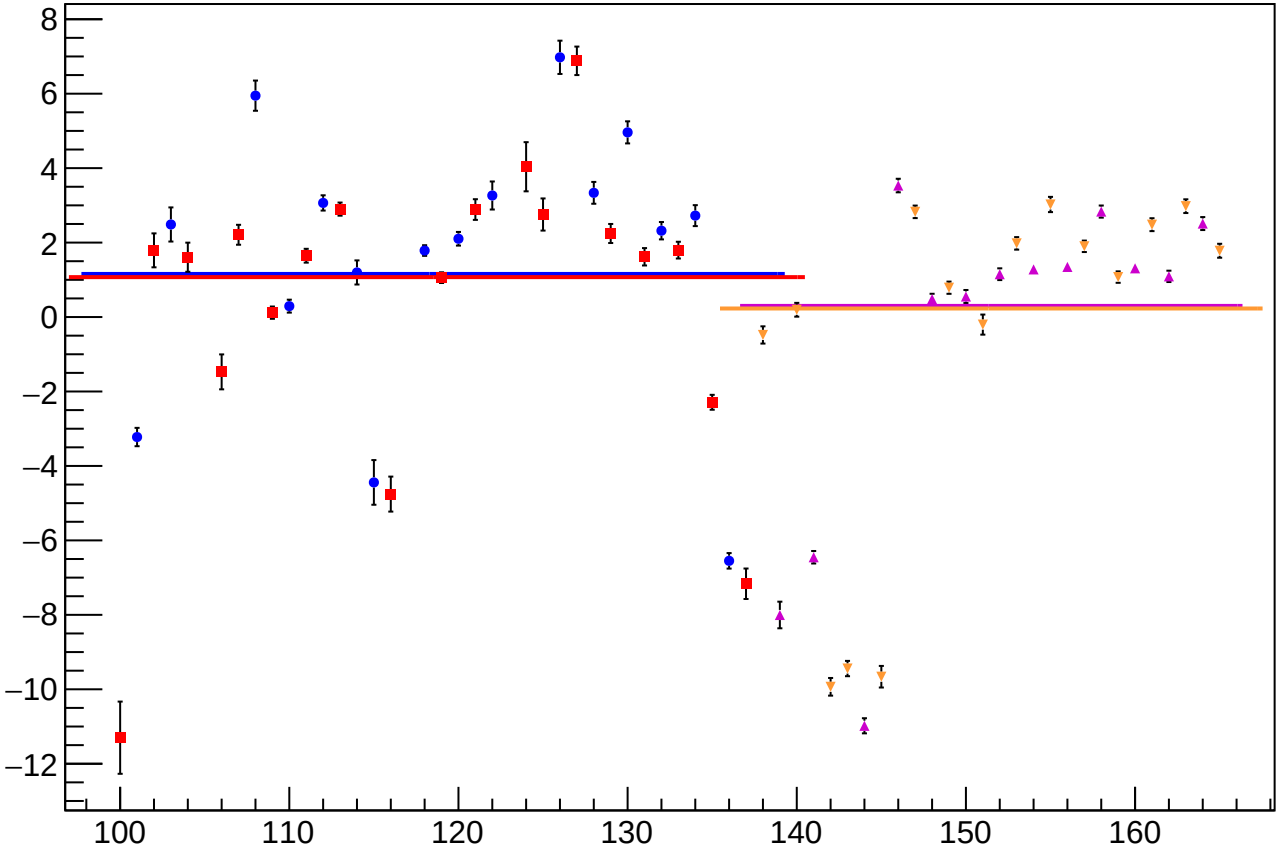
Left In: 6.625+/-0.060 χ^2/NDF:112923.0/12

+ sign 2.511+/-0.043 χ^2/NDF: 246979.4/30

All: 1.620+/-0.028 χ^2/NDF: 454810.9/62

- sign 0.957+/-0.037 χ^2/NDF: 207085.6/31

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.230+/-0.049 χ^2/NDF:6369.7/14

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

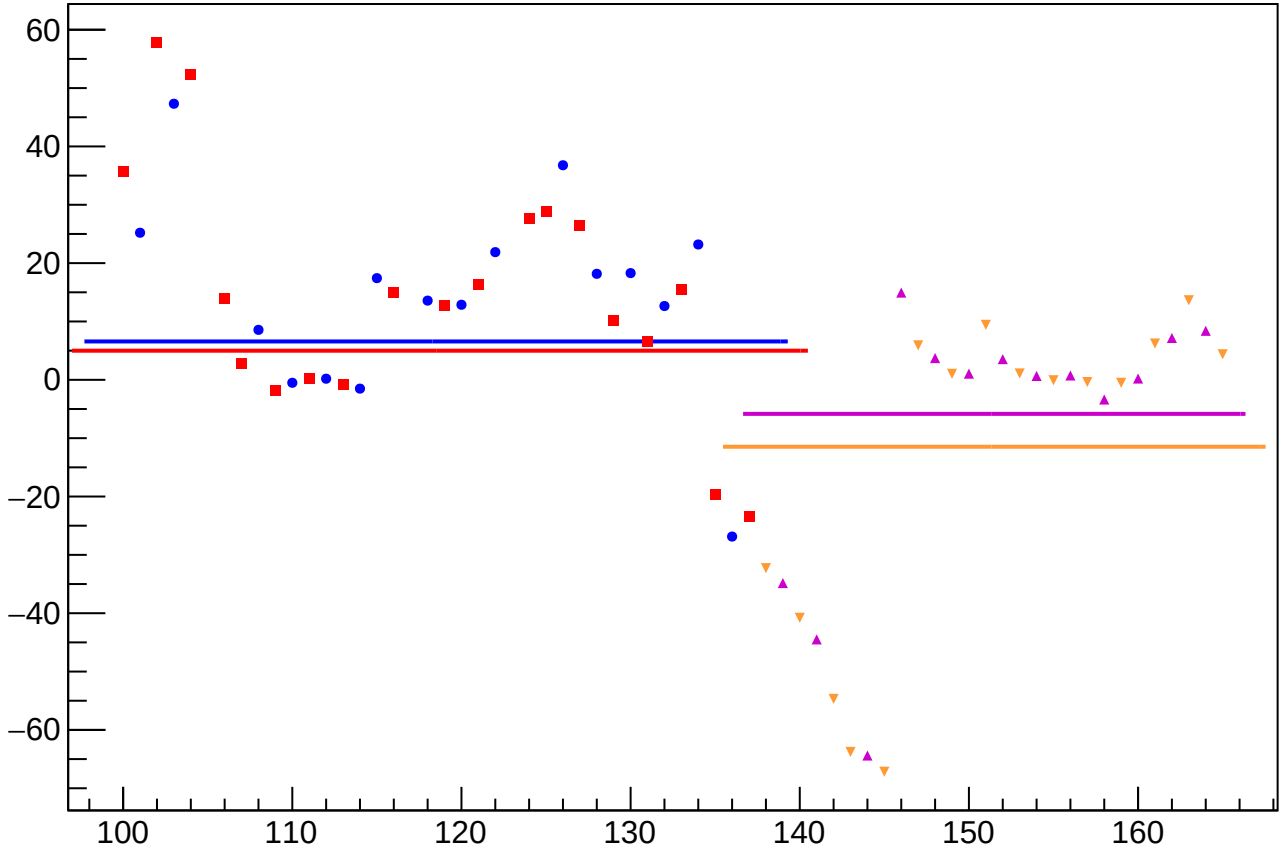
Left In: 0.299+/-0.042 χ^2/NDF:6247.3/12

+ sign 0.587+/-0.038 χ^2/NDF: 9059.6/30

All: 0.575+/-0.026 χ^2/NDF: 16973.4/62

- sign 0.566+/-0.034 χ^2/NDF: 7913.6/31

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -11.466+/-0.066 χ^2/NDF:133898.9/14

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

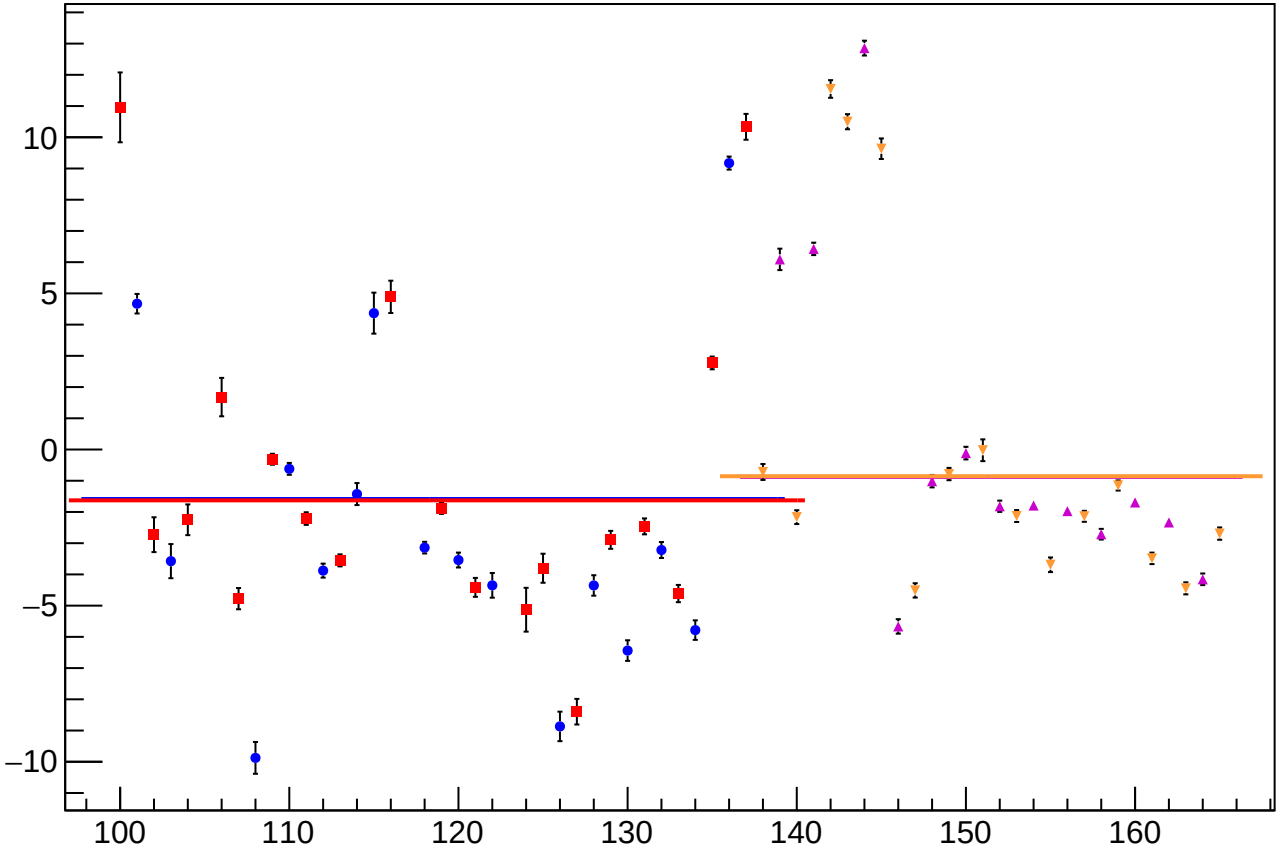
Left In: -5.835+/-0.058 χ^2/NDF:111706.6/12

+ sign -2.508+/-0.047 χ^2/NDF: 240822.3/30

All: -1.492+/-0.031 χ^2/NDF: 444673.3/62

- sign -0.685+/-0.042 χ^2/NDF: 203003.8/31

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -0.856+/-0.055 χ^2/NDF:6312.2/14

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

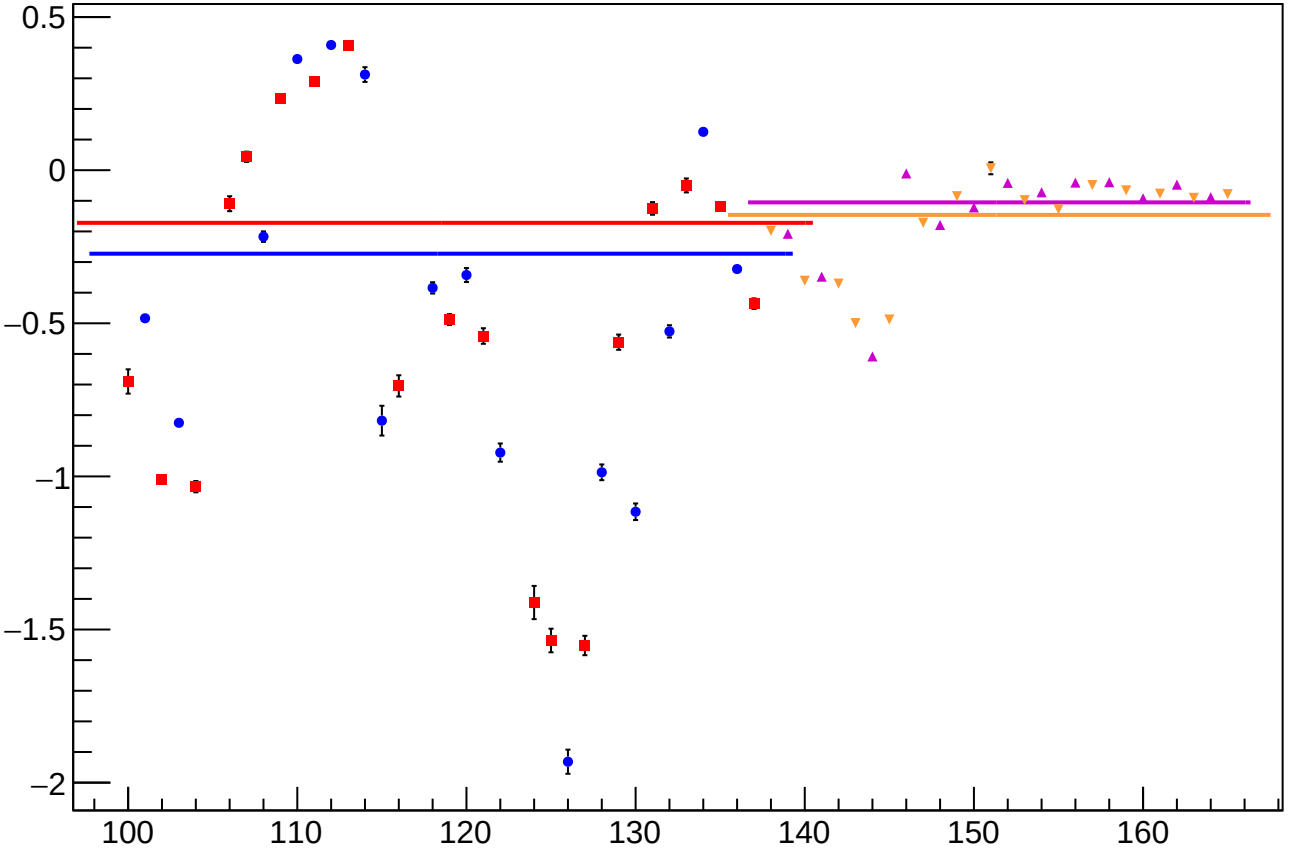
Left In: -0.877+/-0.048 χ^2/NDF:6234.9/12

+ sign -1.133+/-0.044 χ^2/NDF: 10850.7/30

All: -1.137+/-0.029 χ^2/NDF: 19592.6/62

- sign -1.139+/-0.039 χ^2/NDF: 8741.9/31

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.146+/-0.002 χ^2/NDF:2841.0/14

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

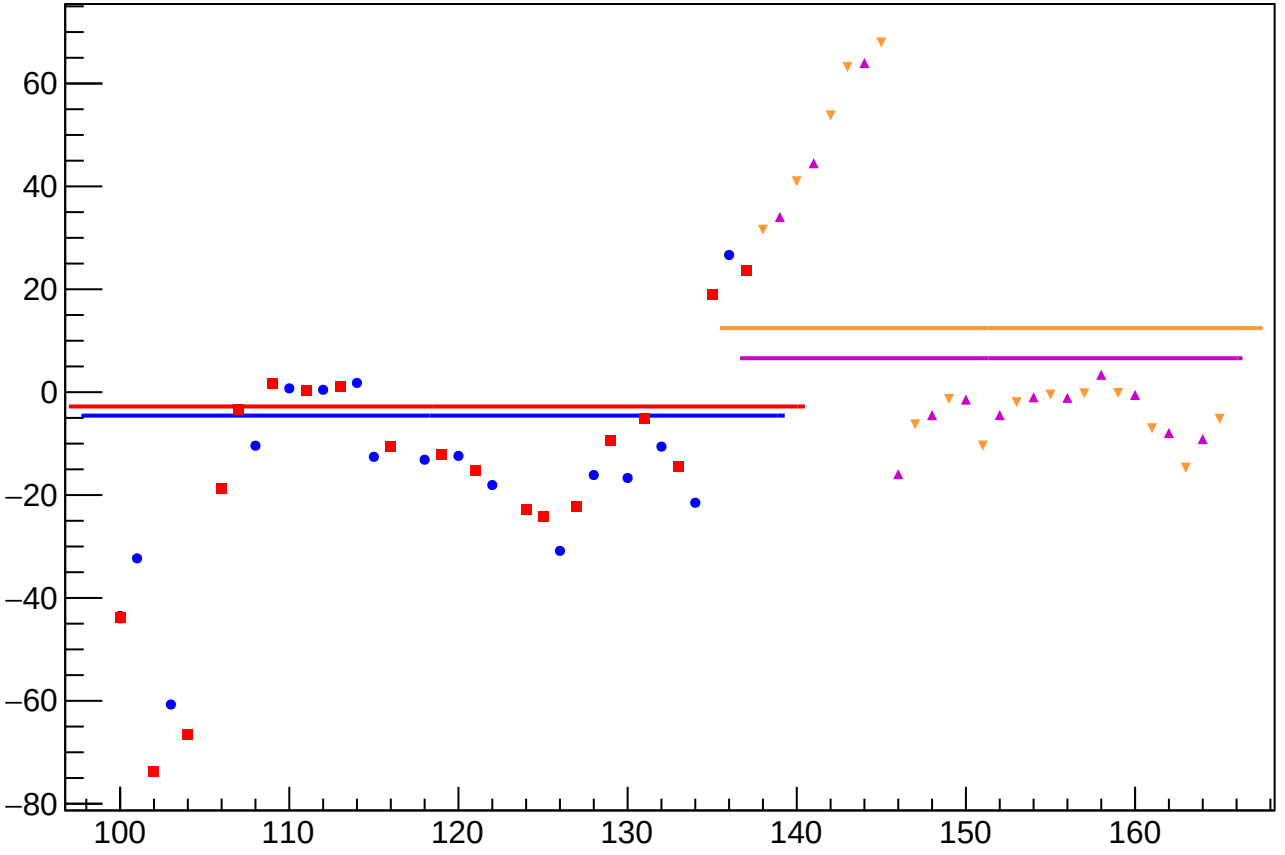
Left In: -0.105+/-0.002 χ^2/NDF:2945.4/12

+ sign -0.178+/-0.002 χ^2/NDF: 15371.6/30

All: -0.145+/-0.001 χ^2/NDF: 34301.1/62

- sign -0.120+/-0.002 χ^2/NDF: 18499.9/31

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 12.464+/-0.069 χ^2/NDF:134255.2/14

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

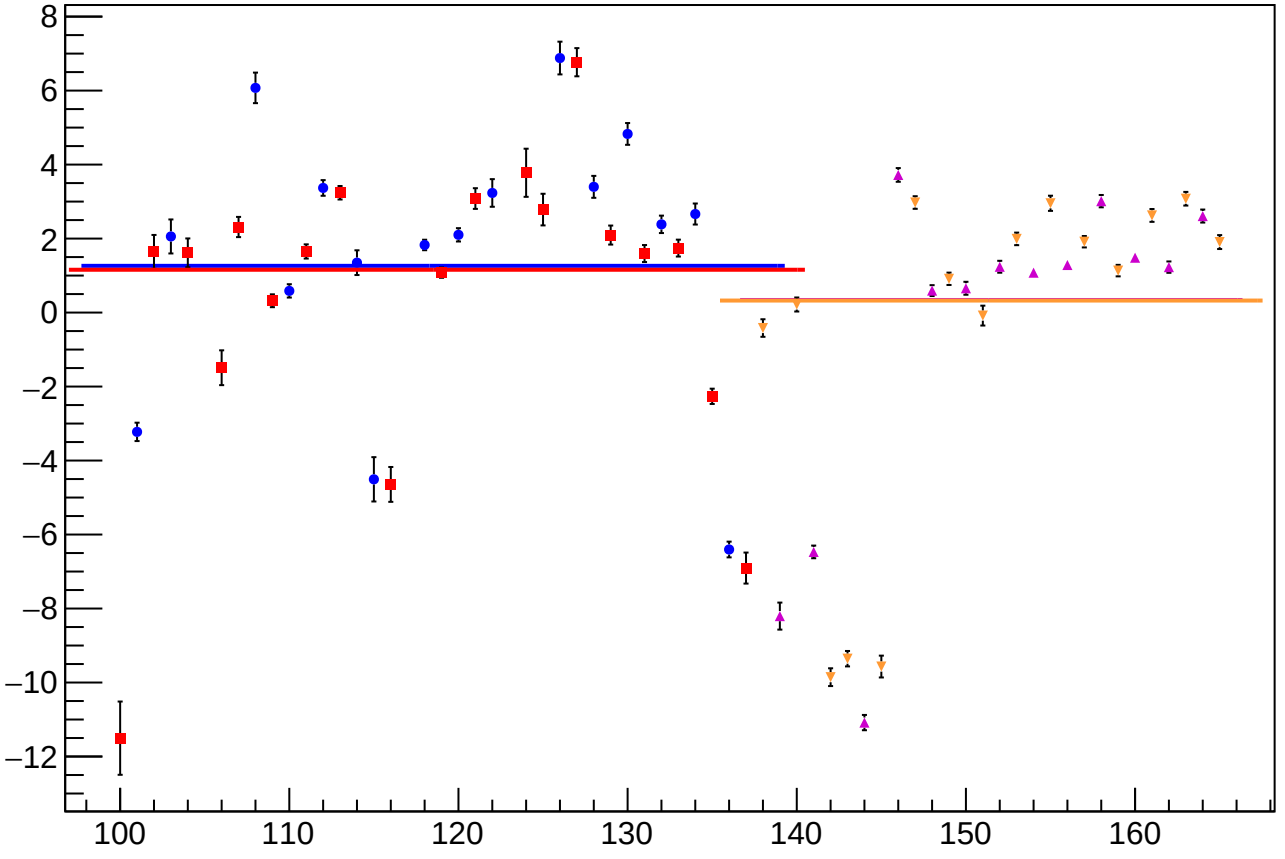
Left In: 6.597+/-0.061 χ^2/NDF:111659.6/12

+ sign 2.353+/-0.044 χ^2/NDF: 243348.0/30

All: 1.490+/-0.029 χ^2/NDF: 448015.9/62

- sign 0.839+/-0.038 χ^2/NDF: 203985.6/31

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.325+/-0.049 χ^2/NDF:6203.8/14

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

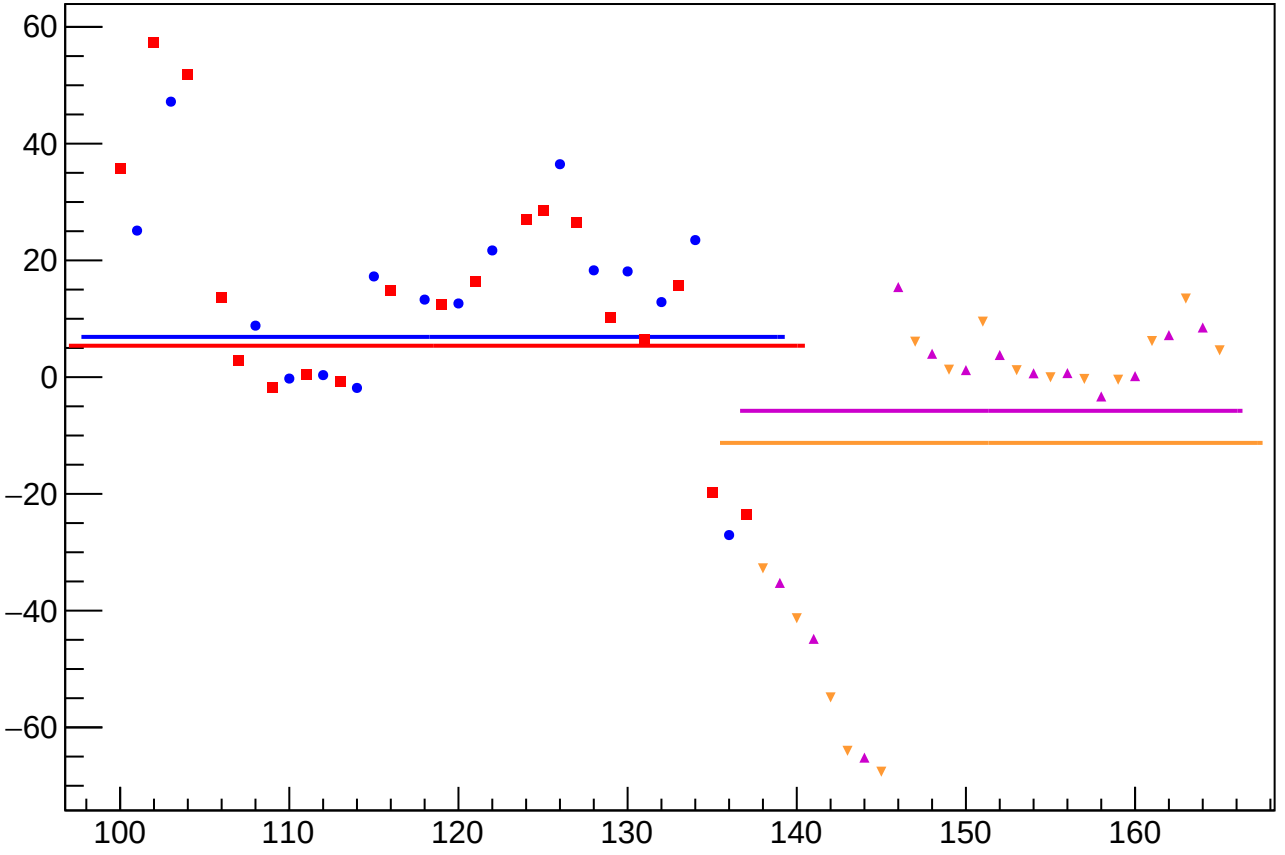
Left In: 0.340+/-0.043 χ^2/NDF:6202.6/12

+ sign 0.687+/-0.039 χ^2/NDF: 8788.2/30

All: 0.652+/-0.026 χ^2/NDF: 16607.7/62

- sign 0.623+/-0.035 χ^2/NDF: 7818.0/31

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -11.263+/-0.067 χ^2/NDF:132346.9/14

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

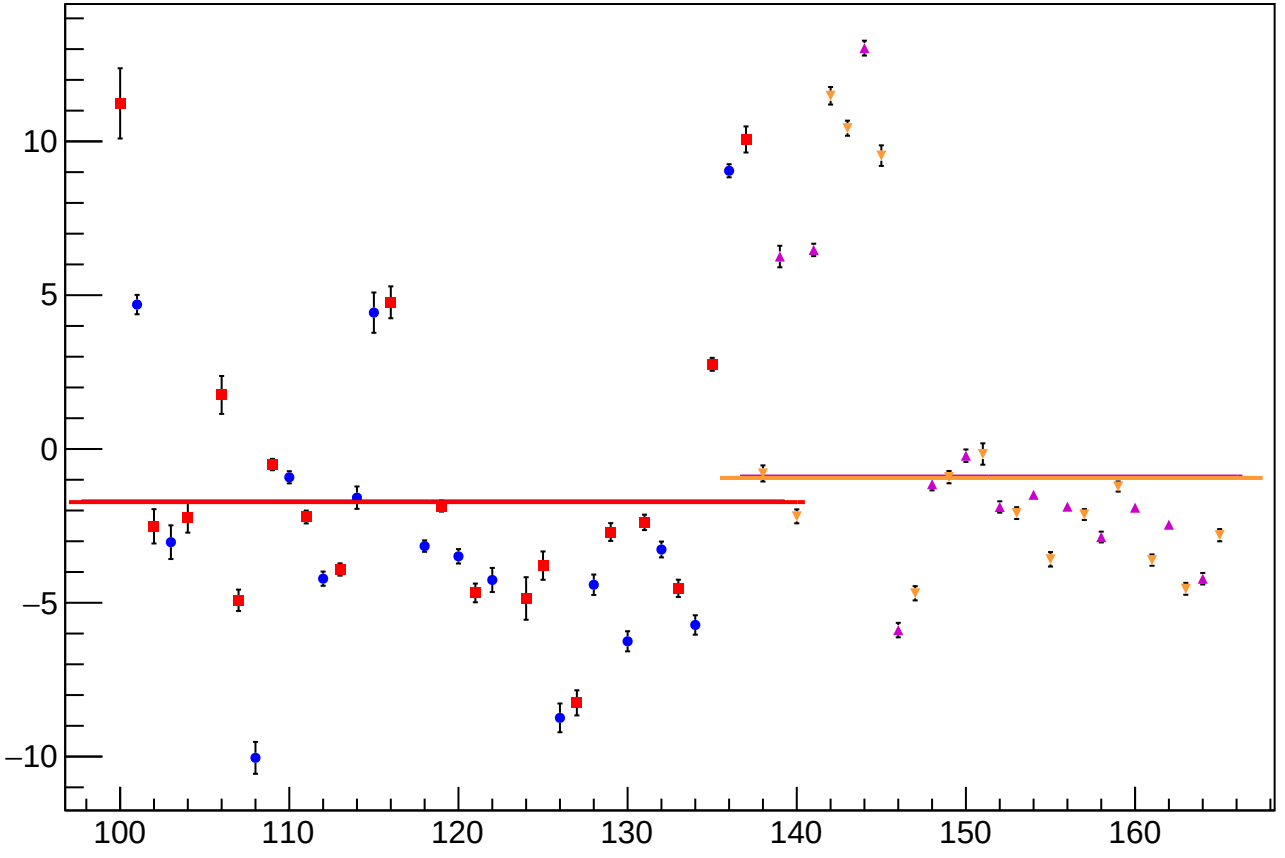
Left In: -5.769+/-0.058 χ^2/NDF:110410.6/12

+ sign -2.285+/-0.047 χ^2/NDF: 237129.2/30

All: -1.293+/-0.032 χ^2/NDF: 437784.2/62

- sign -0.497+/-0.042 χ^2/NDF: 199863.8/31

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.943+/-0.056 χ^2/NDF:6157.0/14

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

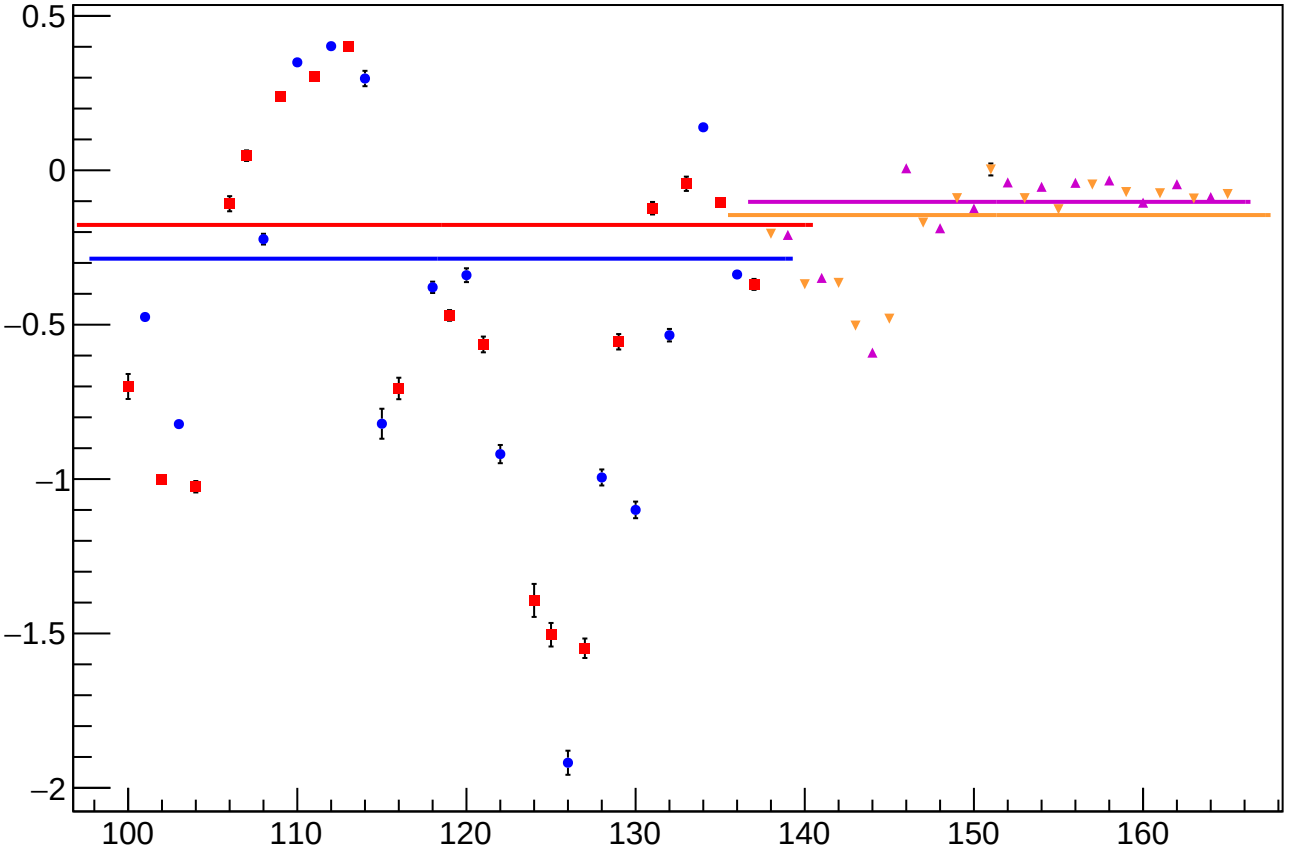
Left In: -0.897+/-0.049 χ^2/NDF:6206.5/12

+ sign -1.233+/-0.044 χ^2/NDF: 10517.6/30

All: -1.207+/-0.029 χ^2/NDF: 19134.8/62

- sign -1.186+/-0.039 χ^2/NDF: 8616.6/31

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.145+/-0.002 χ^2/NDF:2801.3/14

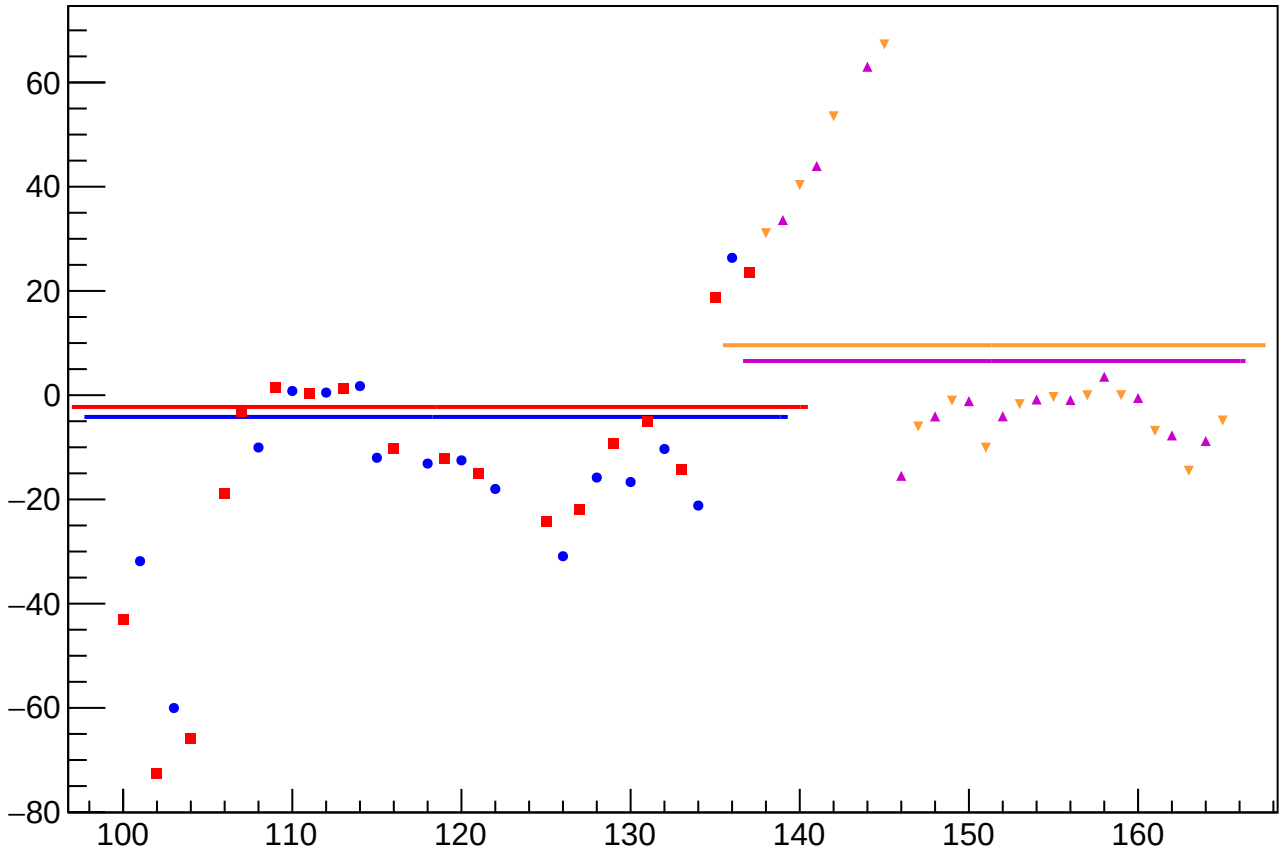
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.102+/-0.002 χ^2/NDF:2854.7/12

+ sign -0.180+/-0.002 χ^2/NDF: 14979.5/30

All: -0.145+/-0.001 χ^2/NDF: 33355.1/62

- sign -0.119+/-0.002 χ^2/NDF: 17901.4/31



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 9.587+/-0.069 χ^2/NDF:104574.5/13

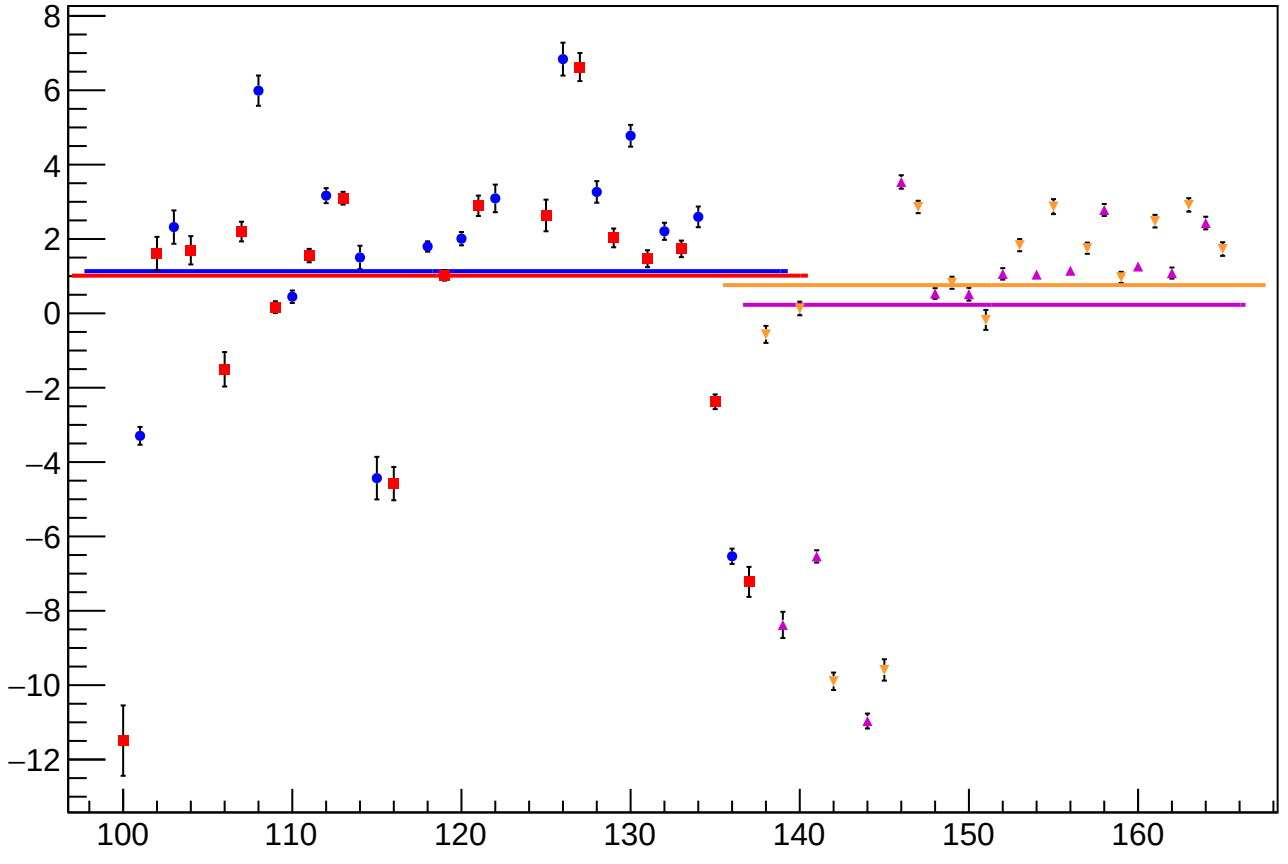
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 6.552+/-0.059 χ^2/NDF:115015.9/12

+ sign 1.130+/-0.043 χ^2/NDF: 204583.3/29

All: 1.106+/-0.028 χ^2/NDF: 413155.2/60

- sign 1.089+/-0.036 χ^2/NDF: 208571.4/30



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.759+/-0.049 χ^2/NDF:4050.6/13

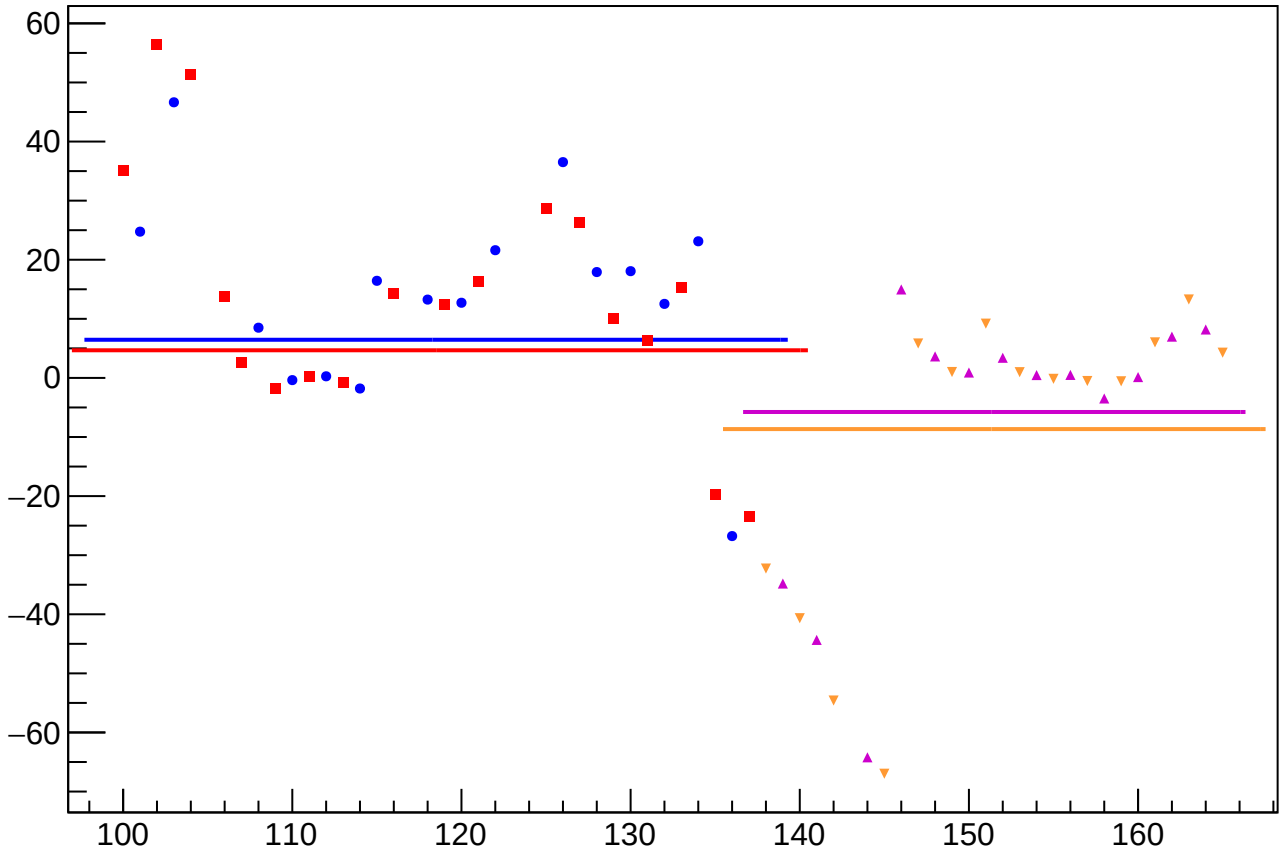
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.230+/-0.041 χ^2/NDF:6393.7/12

+ sign 0.910+/-0.038 χ^2/NDF: 6669.7/29

All: 0.678+/-0.025 χ^2/NDF: 14845.6/60

- sign 0.499+/-0.034 χ^2/NDF: 8110.3/30



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -8.659+/-0.066 χ^2/NDF:102236.3/13

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

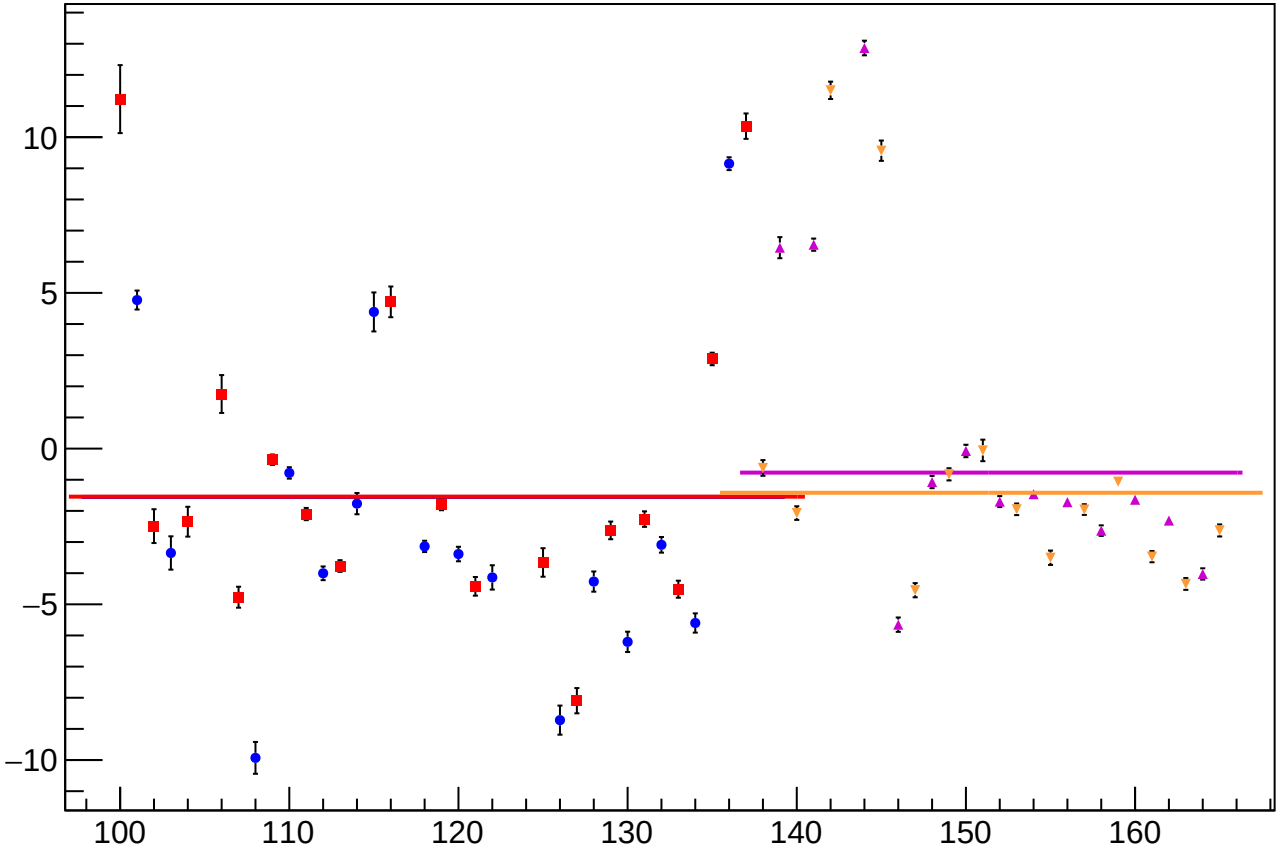
Left In: -5.765+/-0.056 χ^2/NDF:113771.5/12

\+ sign -0.928+/-0.046 χ^2/NDF: 199486.9/29

All: -0.864+/-0.031 χ^2/NDF: 404101.0/60

\- sign -0.815+/-0.041 χ^2/NDF: 204610.8/30

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.417+/-0.056 χ^2/NDF:4020.1/13

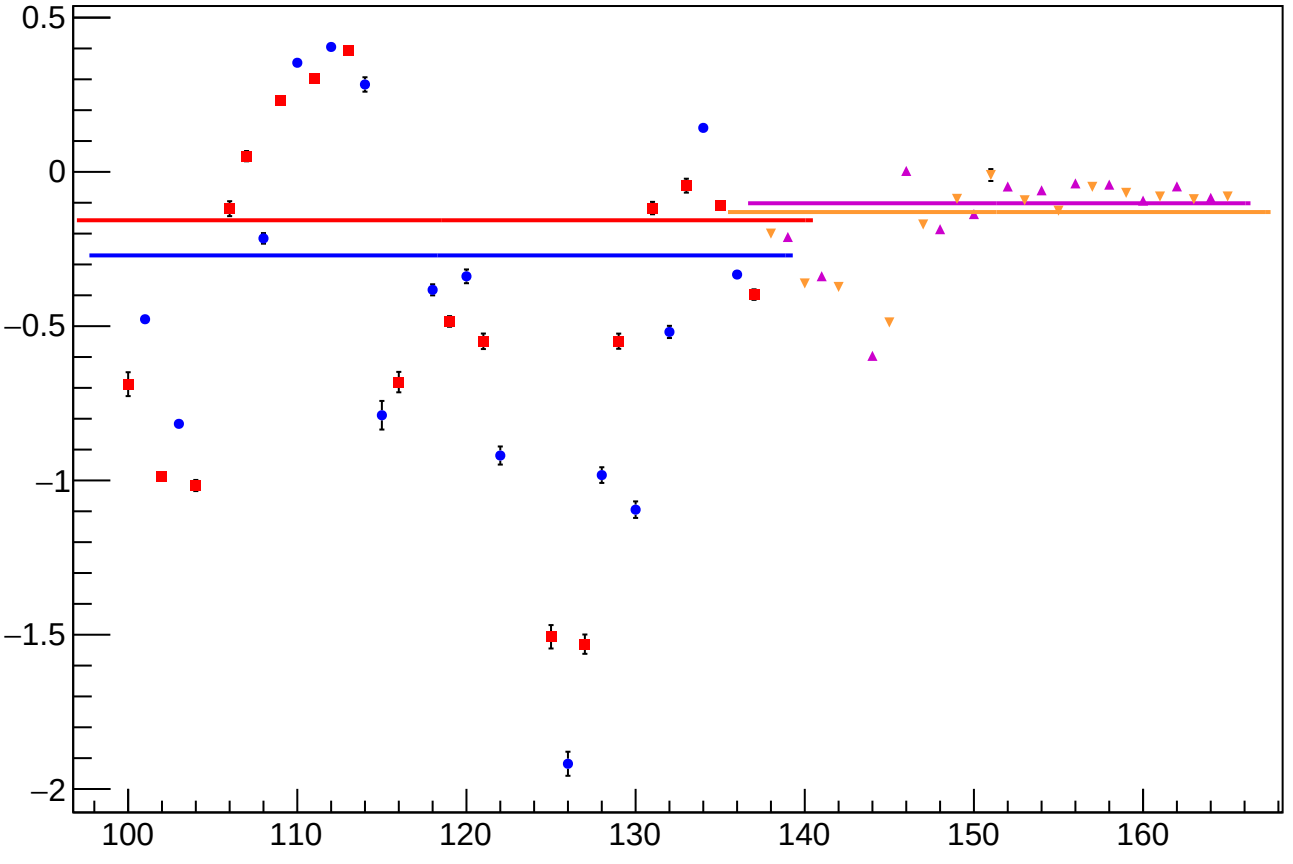
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.771+/-0.047 χ^2/NDF:6374.8/12

+ sign -1.470+/-0.044 χ^2/NDF: 8566.0/29

All: -1.225+/-0.029 χ^2/NDF: 17563.3/60

- sign -1.038+/-0.038 χ^2/NDF: 8941.3/30



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.130+/-0.002 χ^2/NDF:1985.1/13

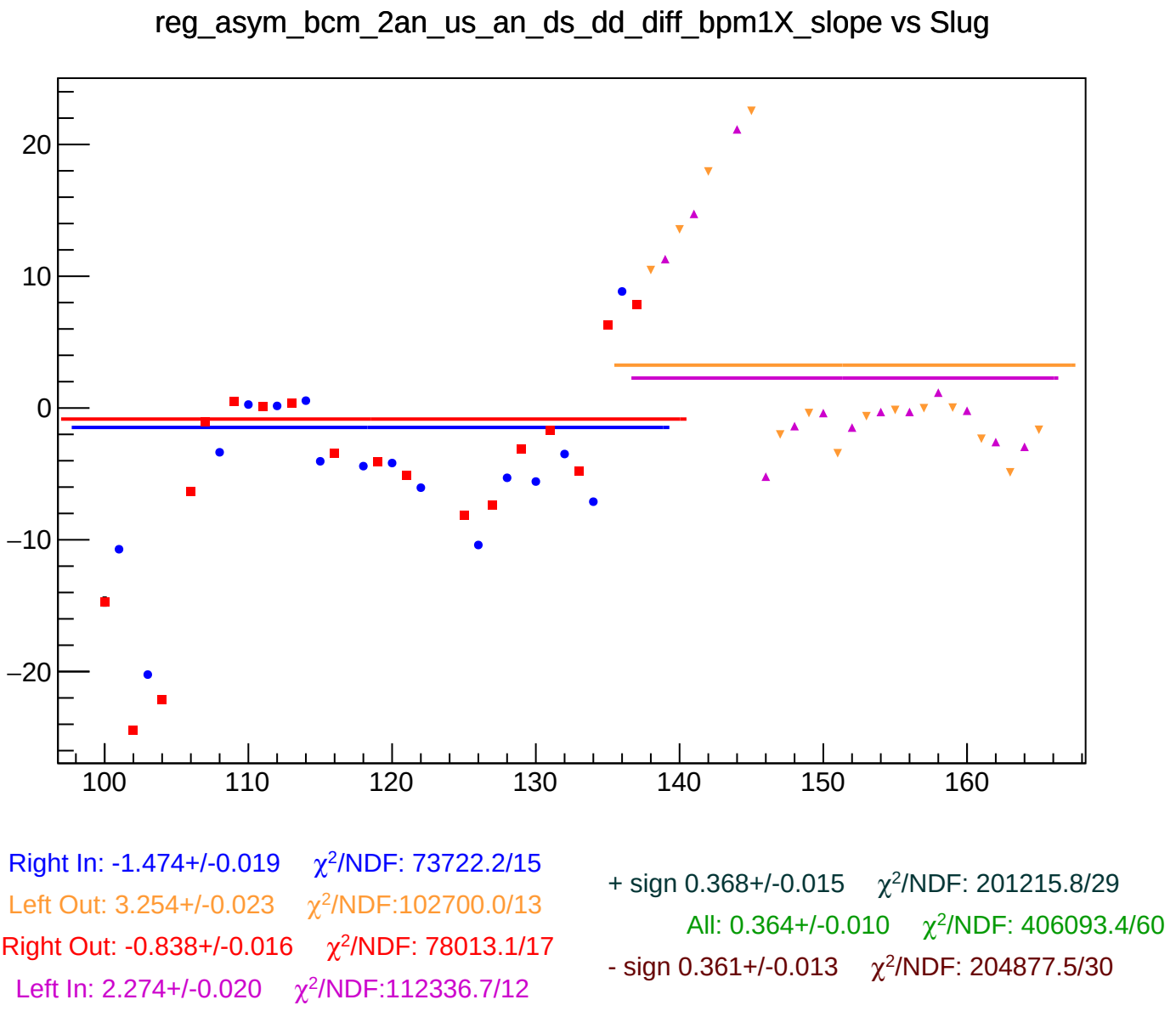
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

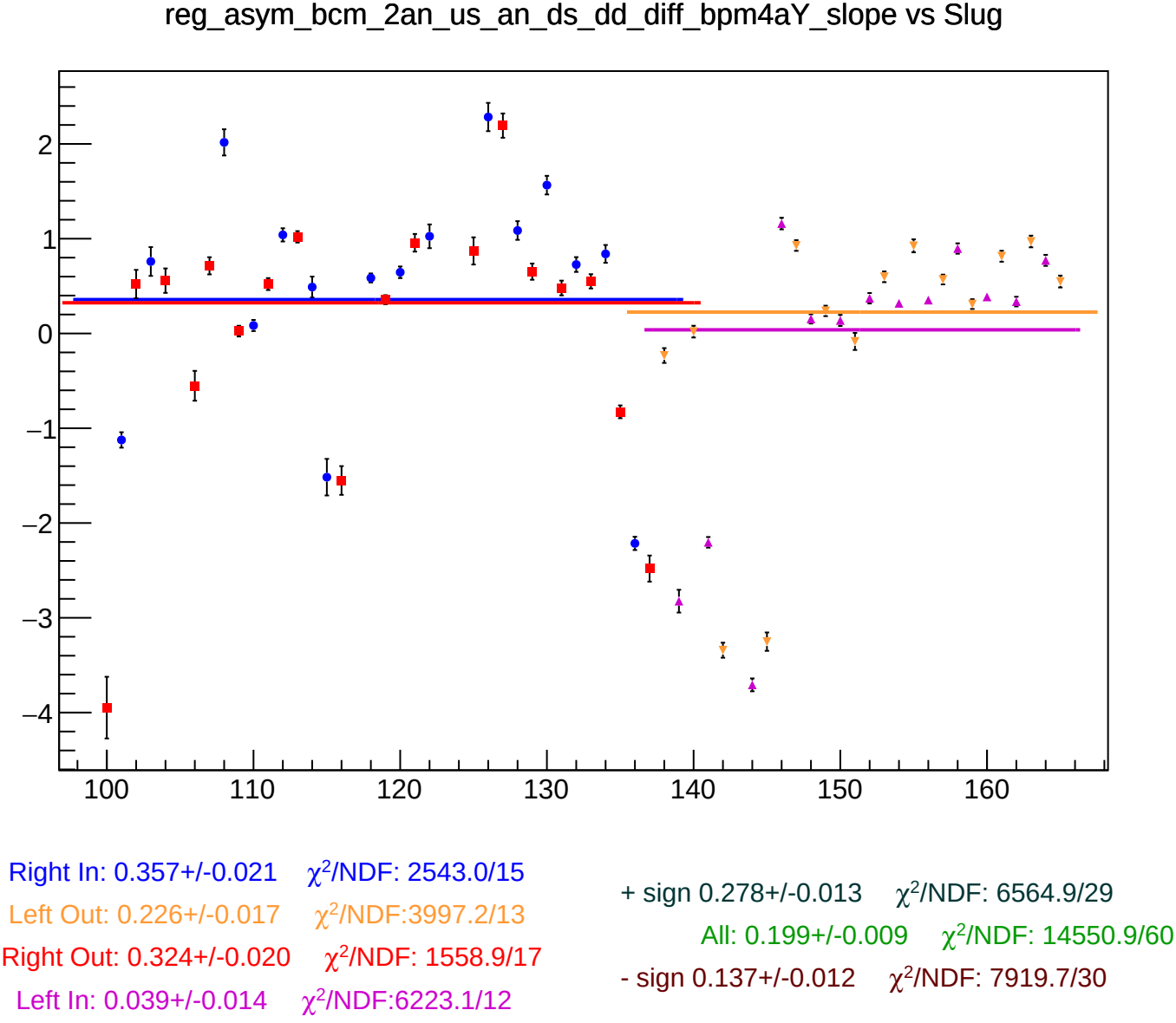
Left In: -0.102+/-0.002 χ^2/NDF:2993.3/12

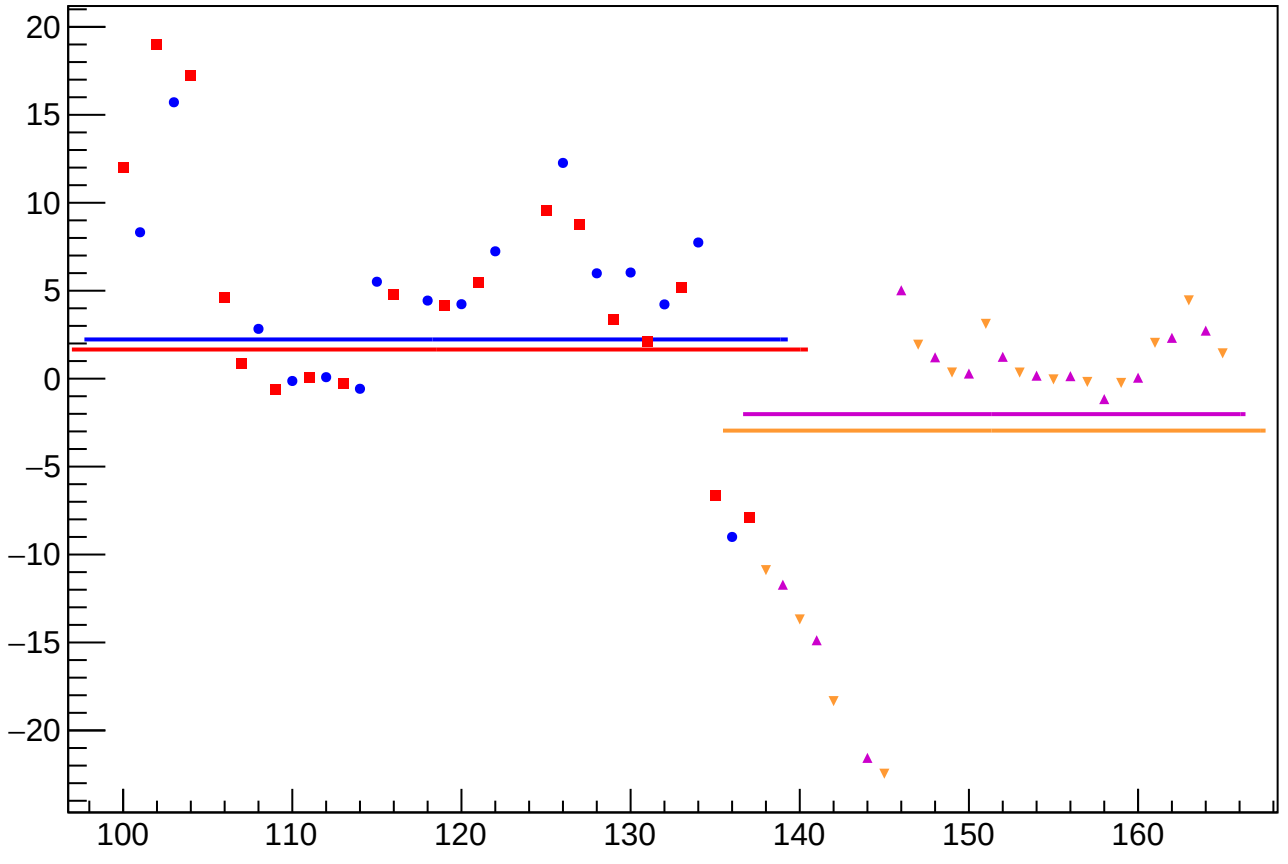
+ sign -0.167+/-0.002 χ^2/NDF: 14933.8/29

All: -0.136+/-0.001 χ^2/NDF: 33478.7/60

- sign -0.114+/-0.002 χ^2/NDF: 18177.1/30


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -1.474+/-0.019 χ²/NDF: 73722.2/15
Left Out: 3.254+/-0.023 χ²/NDF:102700.0/13
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 2.274+/-0.020 χ²/NDF:112336.7/12
+ sign 0.368+/-0.015 χ²/NDF: 201215.8/29
All: 0.364+/-0.010 χ²/NDF: 406093.4/60
- sign 0.361+/-0.013 χ²/NDF: 204877.5/30


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: 0.226+/-0.017 χ²/NDF:3997.2/13
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: 0.039+/-0.014 χ²/NDF:6223.1/12
+ sign 0.278+/-0.013 χ²/NDF: 6564.9/29
All: 0.199+/-0.009 χ²/NDF: 14550.9/60
- sign 0.137+/-0.012 χ²/NDF: 7919.7/30



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -2.953+/-0.023 χ^2/NDF:100435.0/13

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

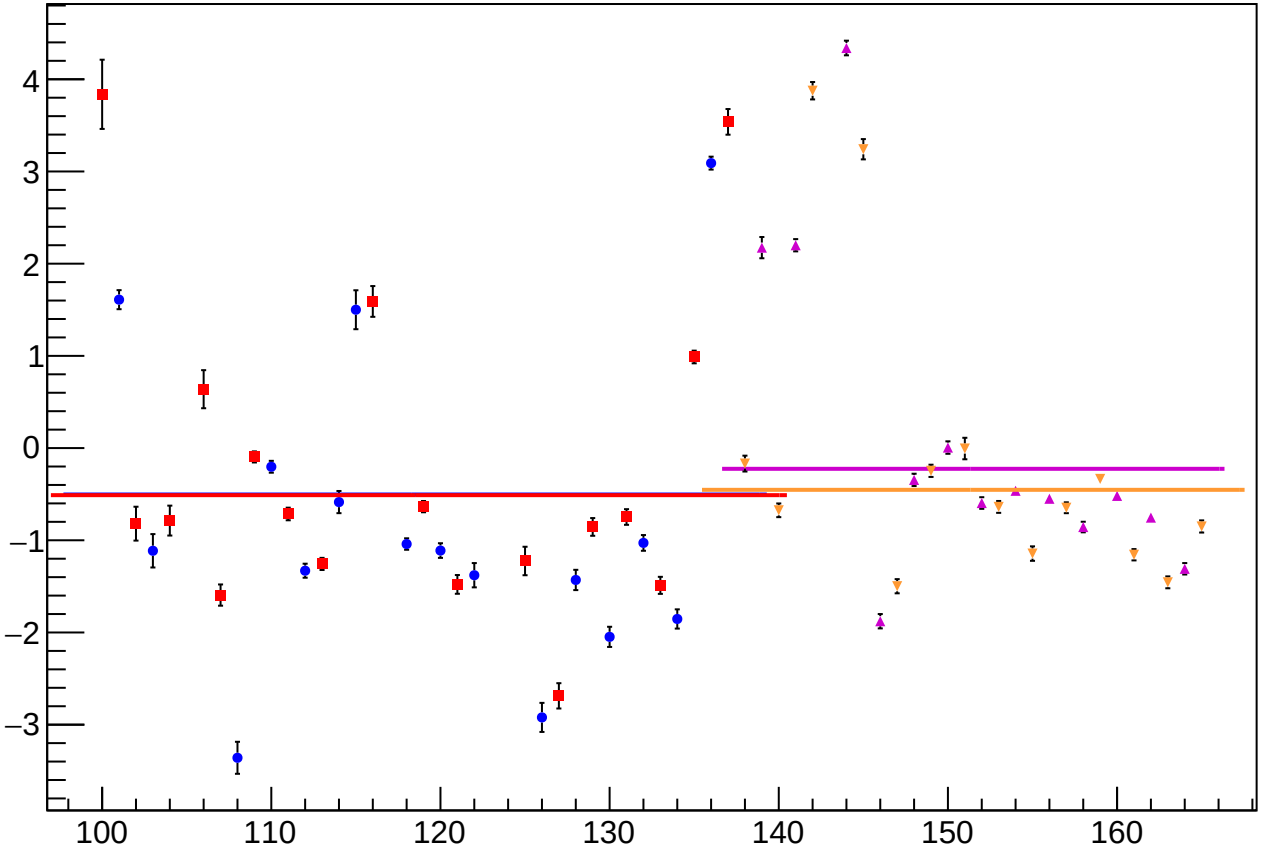
Left In: -2.017+/-0.019 χ^2/NDF:111221.8/12

\+ sign -0.313+/-0.016 χ^2/NDF: 196215.7/29

All: -0.296+/-0.011 χ^2/NDF: 397280.5/60

\- sign -0.283+/-0.014 χ^2/NDF: 201062.8/30

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: -0.453+/-0.019 χ^2/NDF:3971.0/13

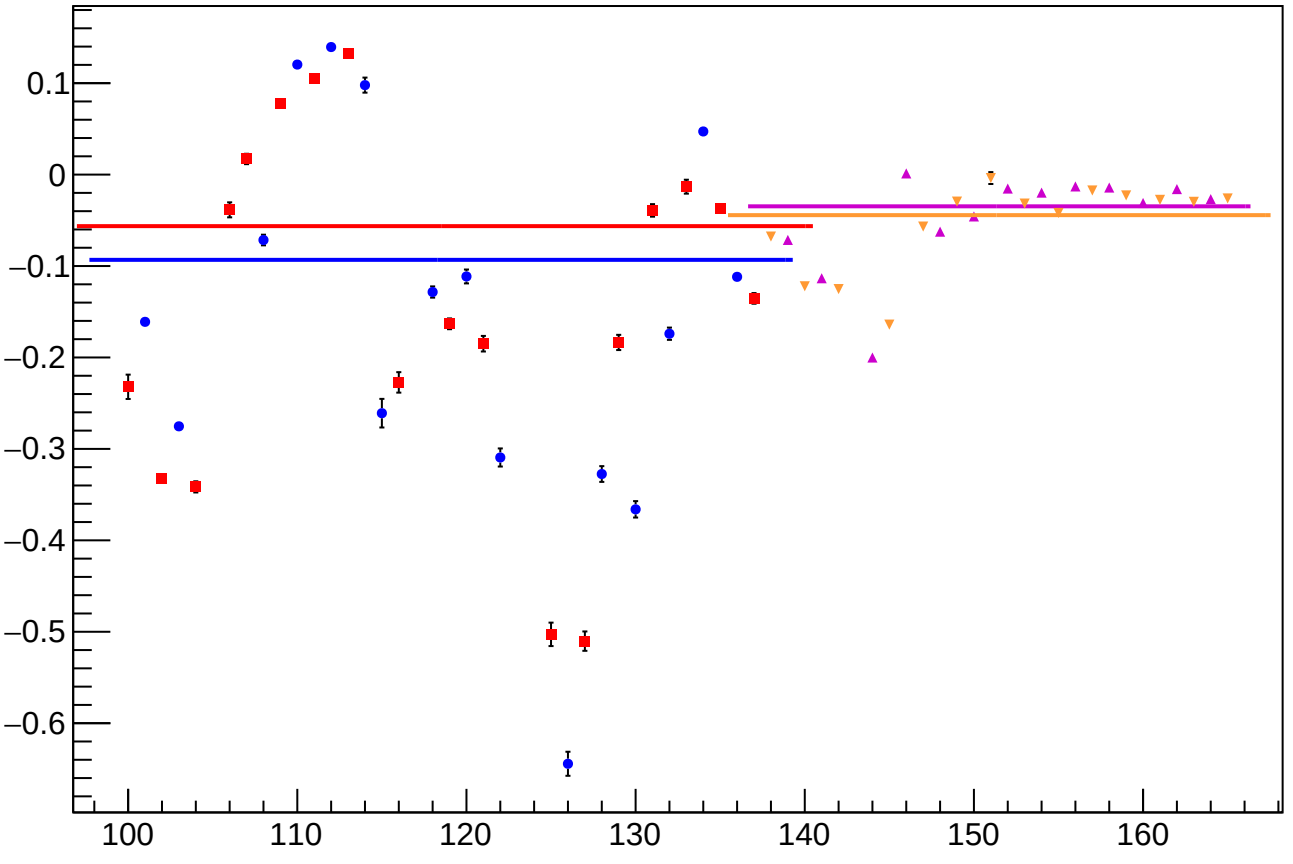
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.225+/-0.016 χ^2/NDF:6216.3/12

+ sign -0.473+/-0.015 χ^2/NDF: 8421.0/29

All: -0.389+/-0.010 χ^2/NDF: 17225.6/60

- sign -0.324+/-0.013 χ^2/NDF: 8748.0/30



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.044+/-0.001 χ^2/NDF:1945.3/13

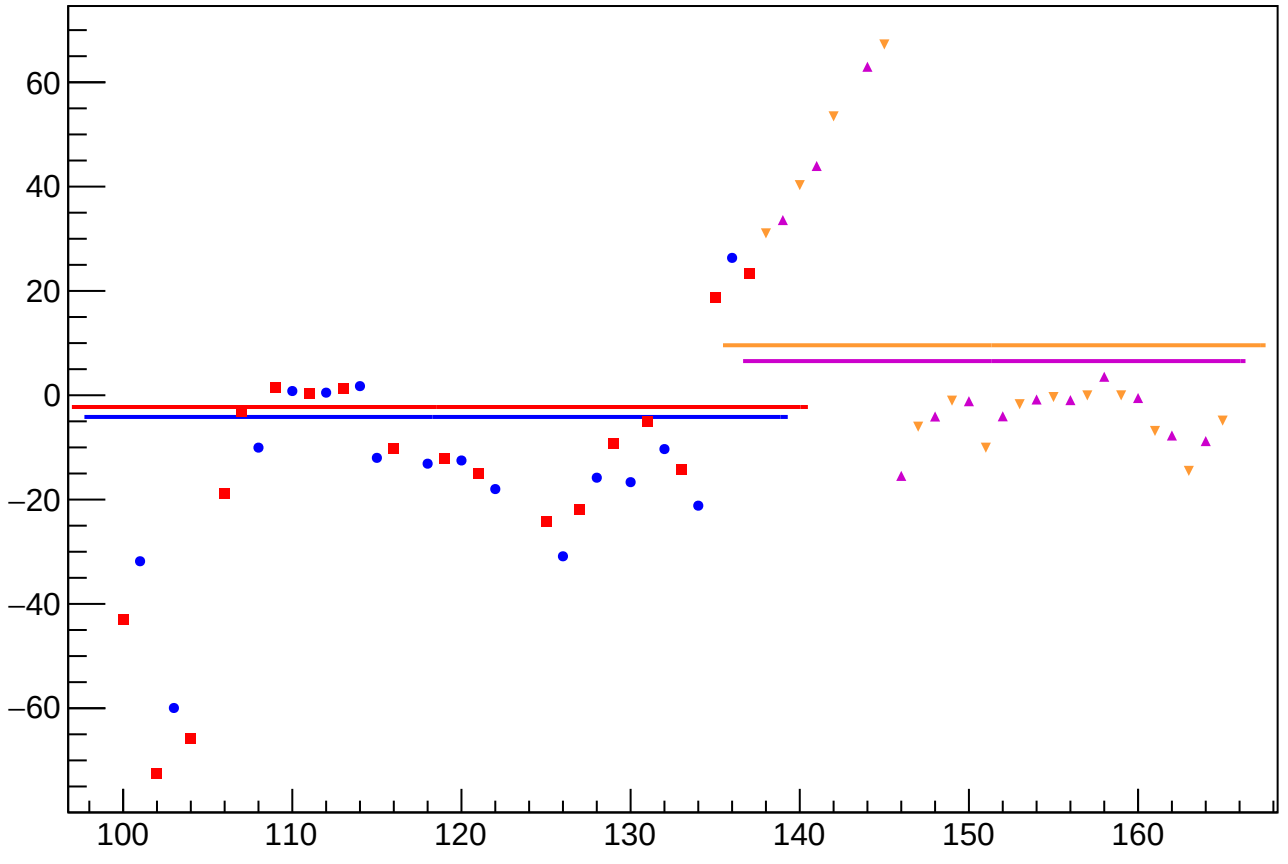
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.035+/-0.001 χ^2/NDF:2923.5/12

+ sign -0.057+/-0.001 χ^2/NDF: 14572.2/29

All: -0.047+/-0.000 χ^2/NDF: 32512.9/60

- sign -0.039+/-0.001 χ^2/NDF: 17595.5/30



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 9.584+/-0.069 χ^2/NDF:104557.0/13

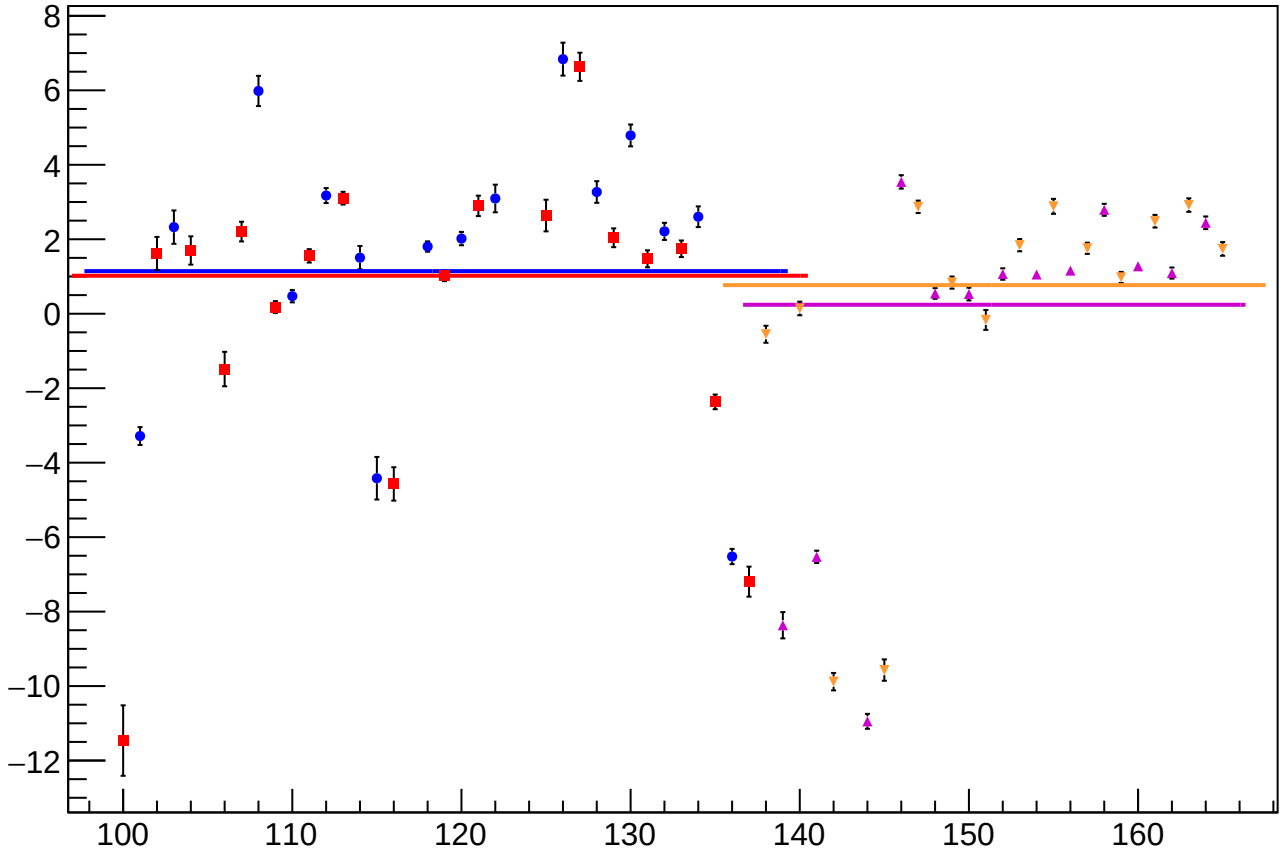
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 6.550+/-0.059 χ^2/NDF:115029.2/12

+ sign 1.134+/-0.043 χ^2/NDF: 204578.2/29

All: 1.109+/-0.028 χ^2/NDF: 413168.3/60

- sign 1.091+/-0.036 χ^2/NDF: 208589.6/30



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.769+/-0.049 χ^2/NDF:4049.9/13

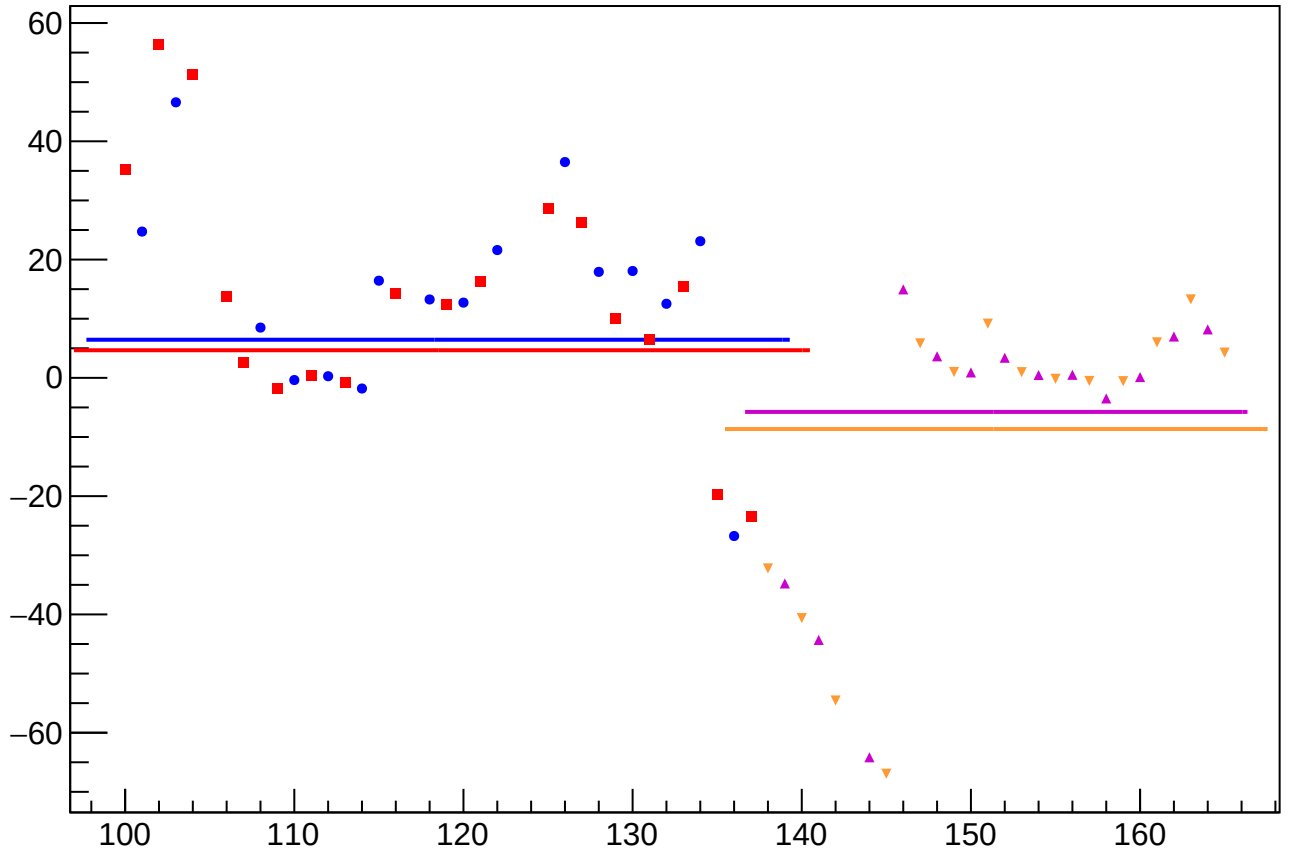
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.241+/-0.041 χ^2/NDF:6399.9/12

+ sign 0.919+/-0.038 χ^2/NDF: 6668.5/29

All: 0.688+/-0.025 χ^2/NDF: 14847.7/60

- sign 0.508+/-0.033 χ^2/NDF: 8113.5/30



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -8.651+/-0.066 χ^2/NDF:102217.9/13

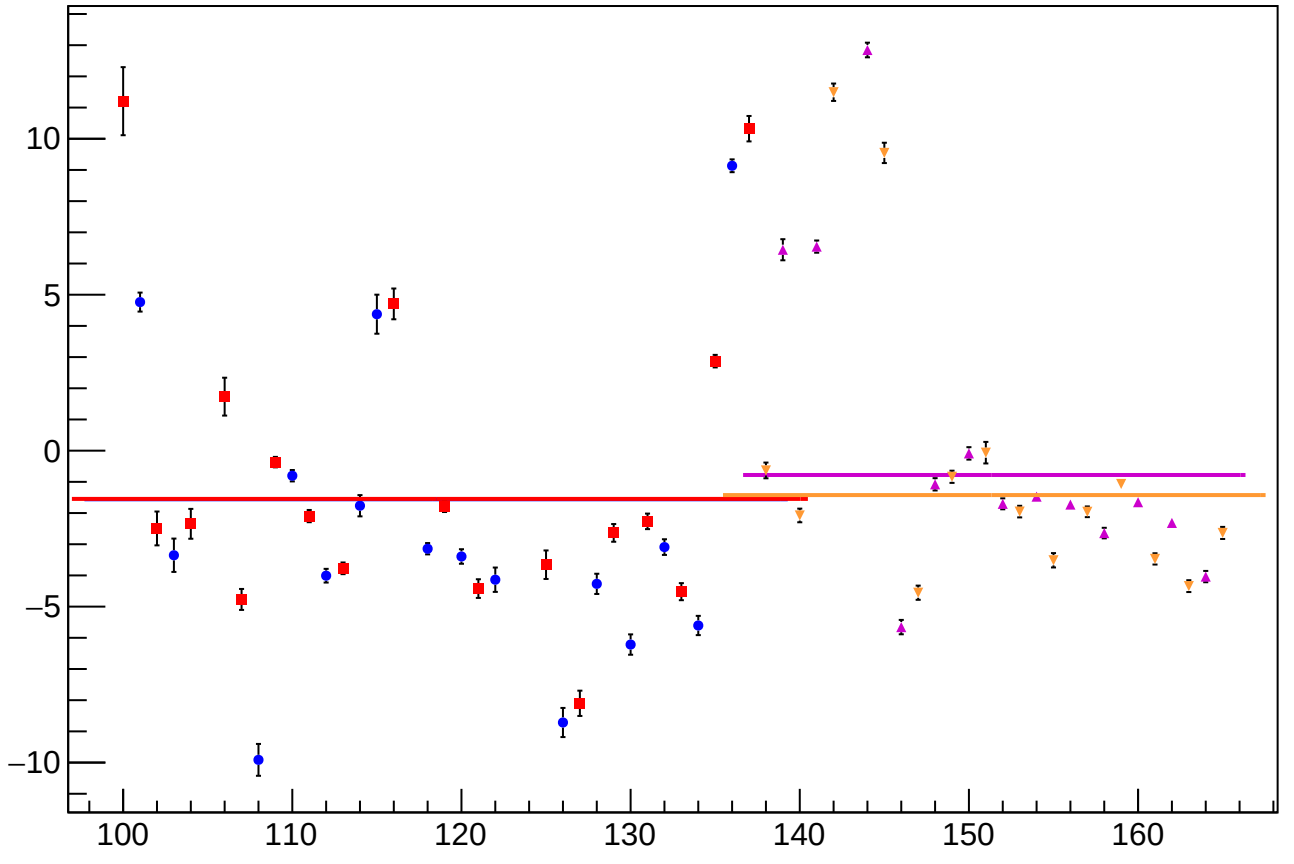
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -5.757+/-0.056 χ^2/NDF:113782.6/12

+ sign -0.926+/-0.046 χ^2/NDF: 199477.6/29

All: -0.861+/-0.031 χ^2/NDF: 404100.7/60

- sign -0.811+/-0.041 χ^2/NDF: 204619.6/30



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.424+/-0.056 χ^2/NDF:4018.8/13

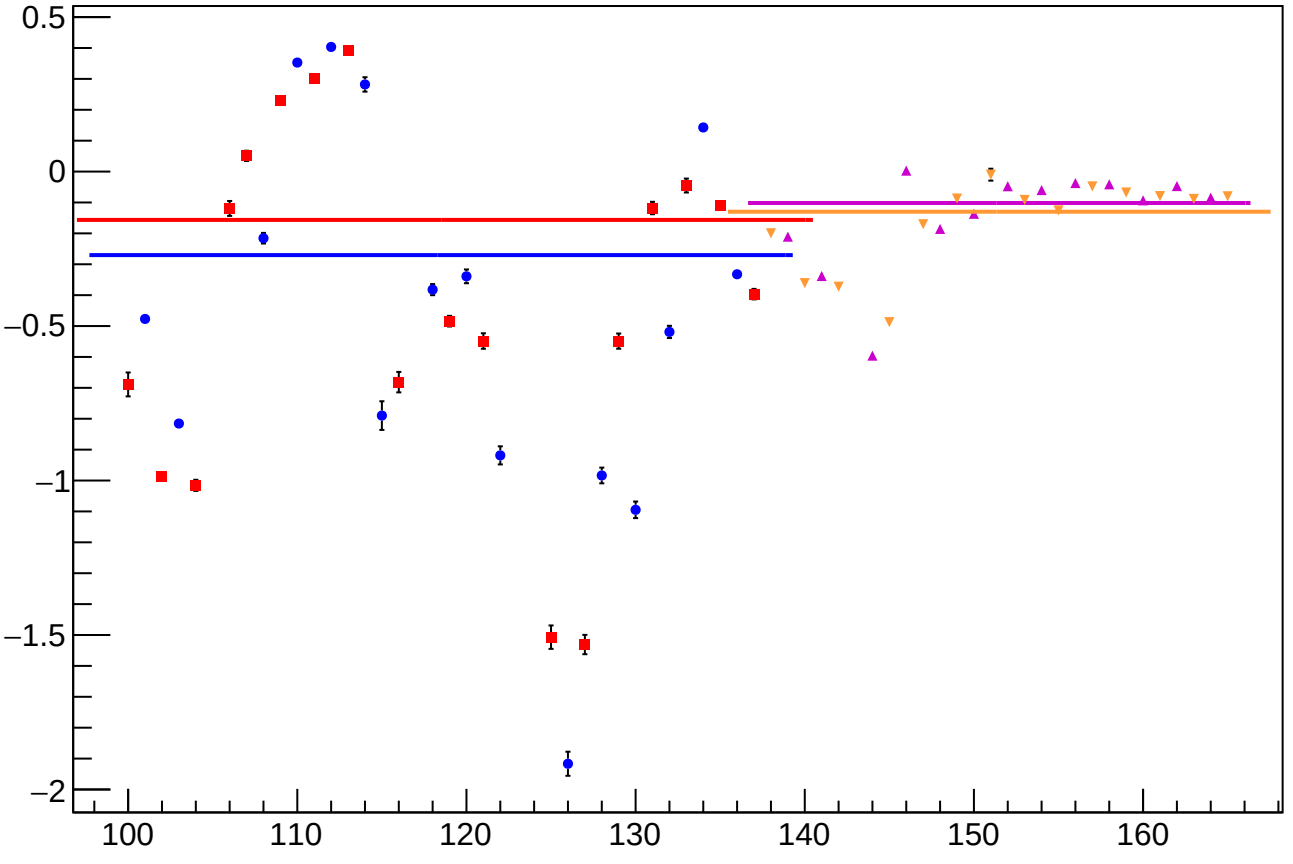
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.780+/-0.047 χ^2/NDF:6379.9/12

+ sign -1.477+/-0.044 χ^2/NDF: 8564.1/29

All: -1.232+/-0.029 χ^2/NDF: 17562.4/60

- sign -1.045+/-0.038 χ^2/NDF: 8942.4/30



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.130+/-0.002 χ^2/NDF:1985.6/13

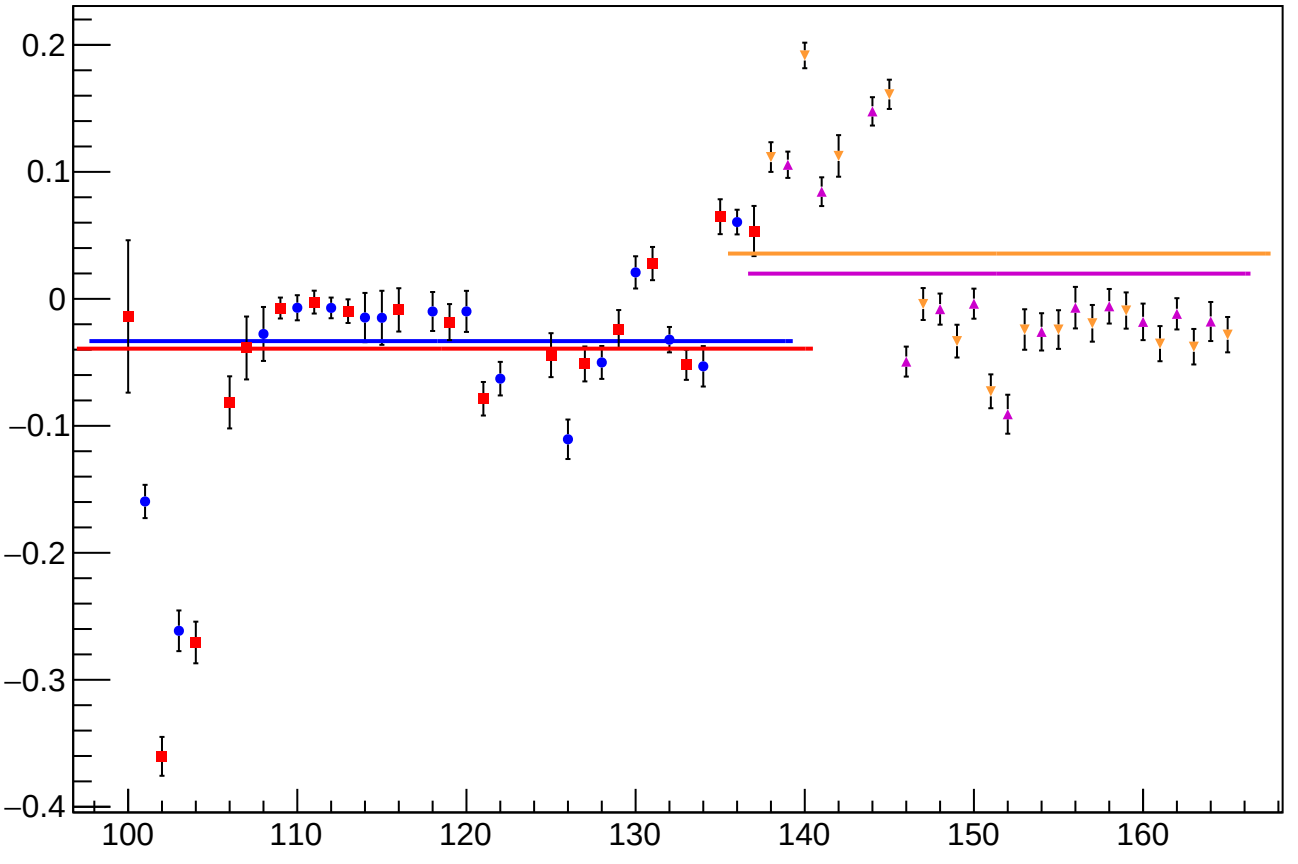
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.102+/-0.002 χ^2/NDF:2993.1/12

+ sign -0.166+/-0.002 χ^2/NDF: 14935.3/29

All: -0.136+/-0.001 χ^2/NDF: 33488.1/60

- sign -0.114+/-0.002 χ^2/NDF: 18186.3/30



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.036+/-0.004 χ^2/NDF:656.4/13

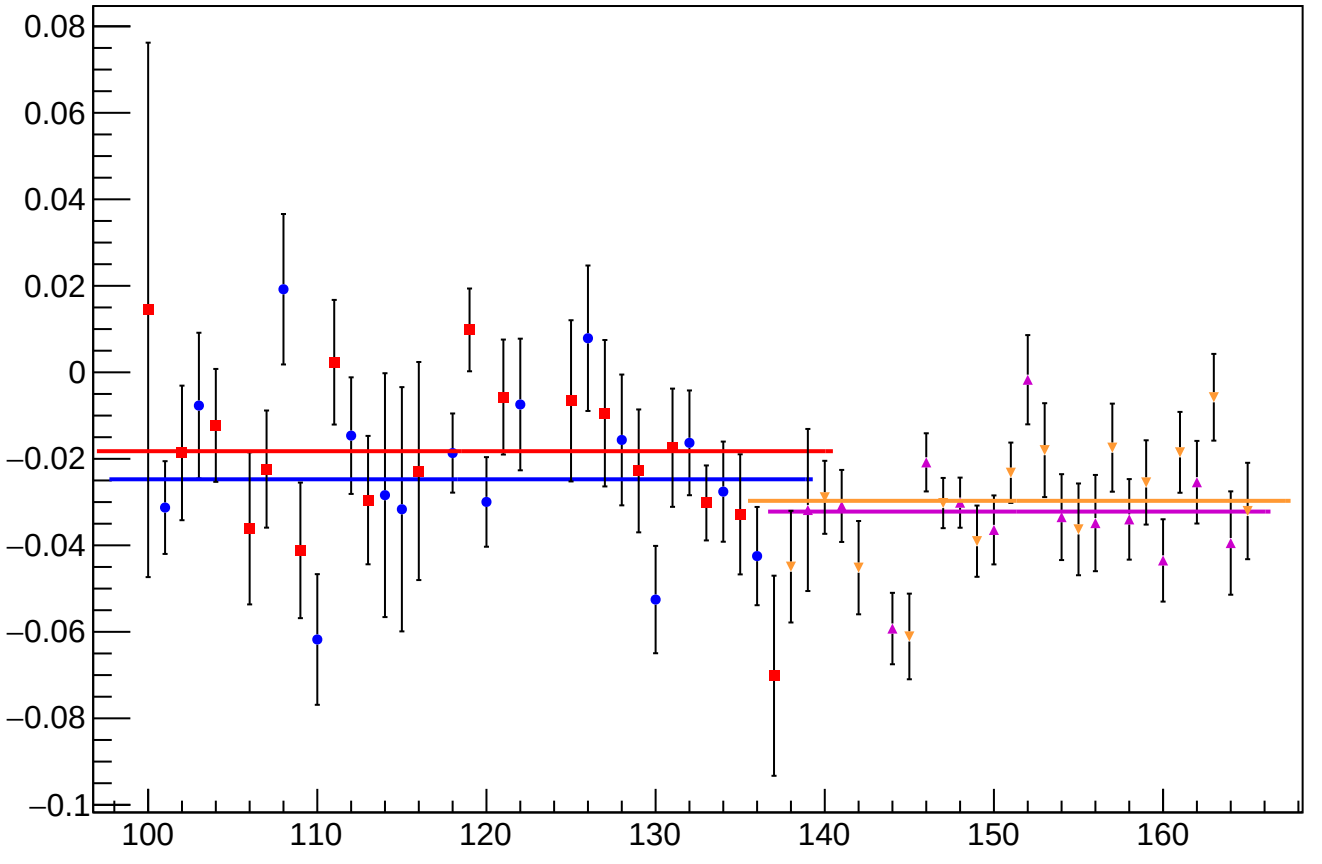
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.020+/-0.004 χ^2/NDF:363.1/12

+ sign -0.002+/-0.002 χ^2/NDF: 1327.7/29

All: -0.007+/-0.002 χ^2/NDF: 2662.7/60

- sign -0.013+/-0.002 χ^2/NDF: 1324.7/30



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.030+/-0.002 χ^2/NDF:26.0/13

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

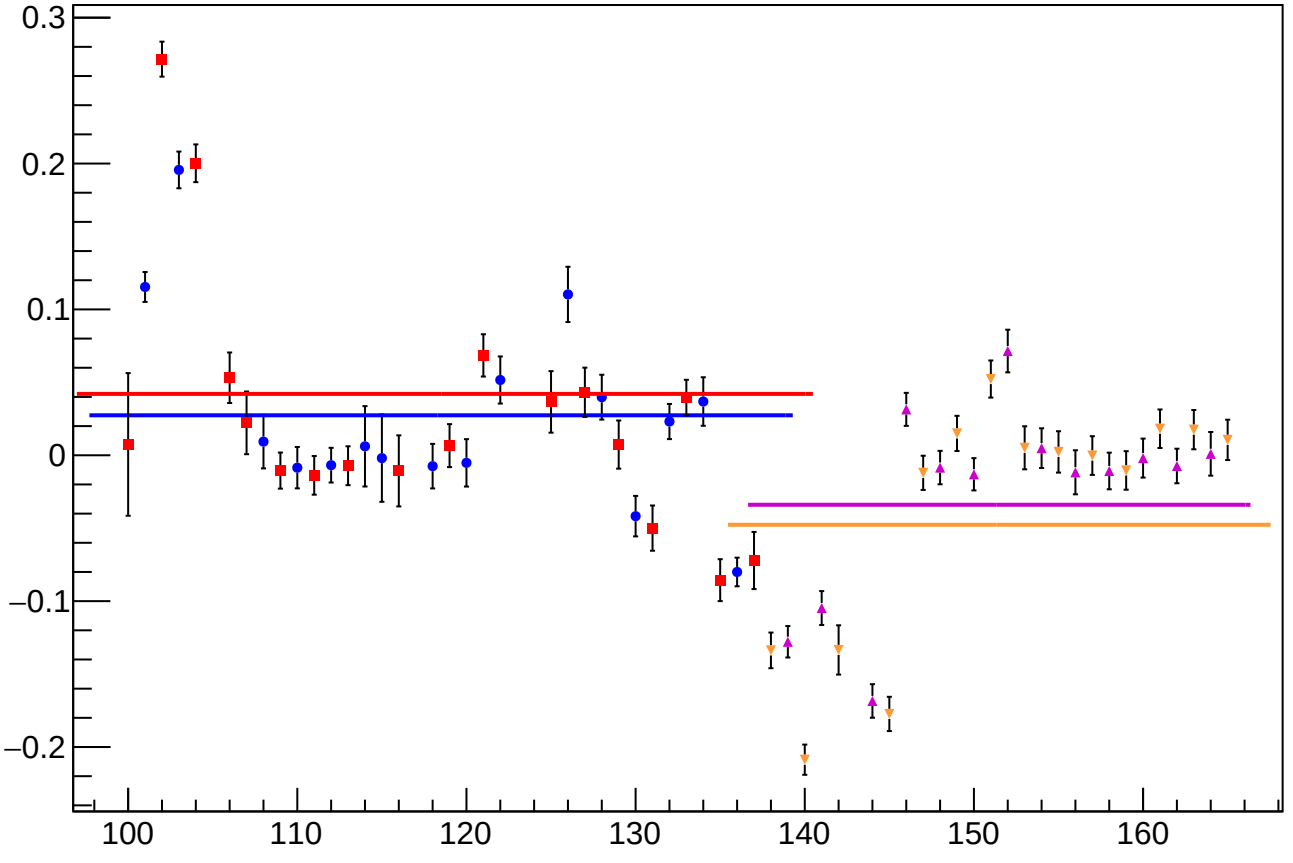
Left In: -0.032+/-0.002 χ^2/NDF:25.2/12

+ sign -0.028+/-0.002 χ^2/NDF: 56.0/29

All: -0.028+/-0.001 χ^2/NDF: 117.1/60

- sign -0.027+/-0.002 χ^2/NDF: 61.1/30

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.048+/-0.003 χ^2/NDF:649.1/13

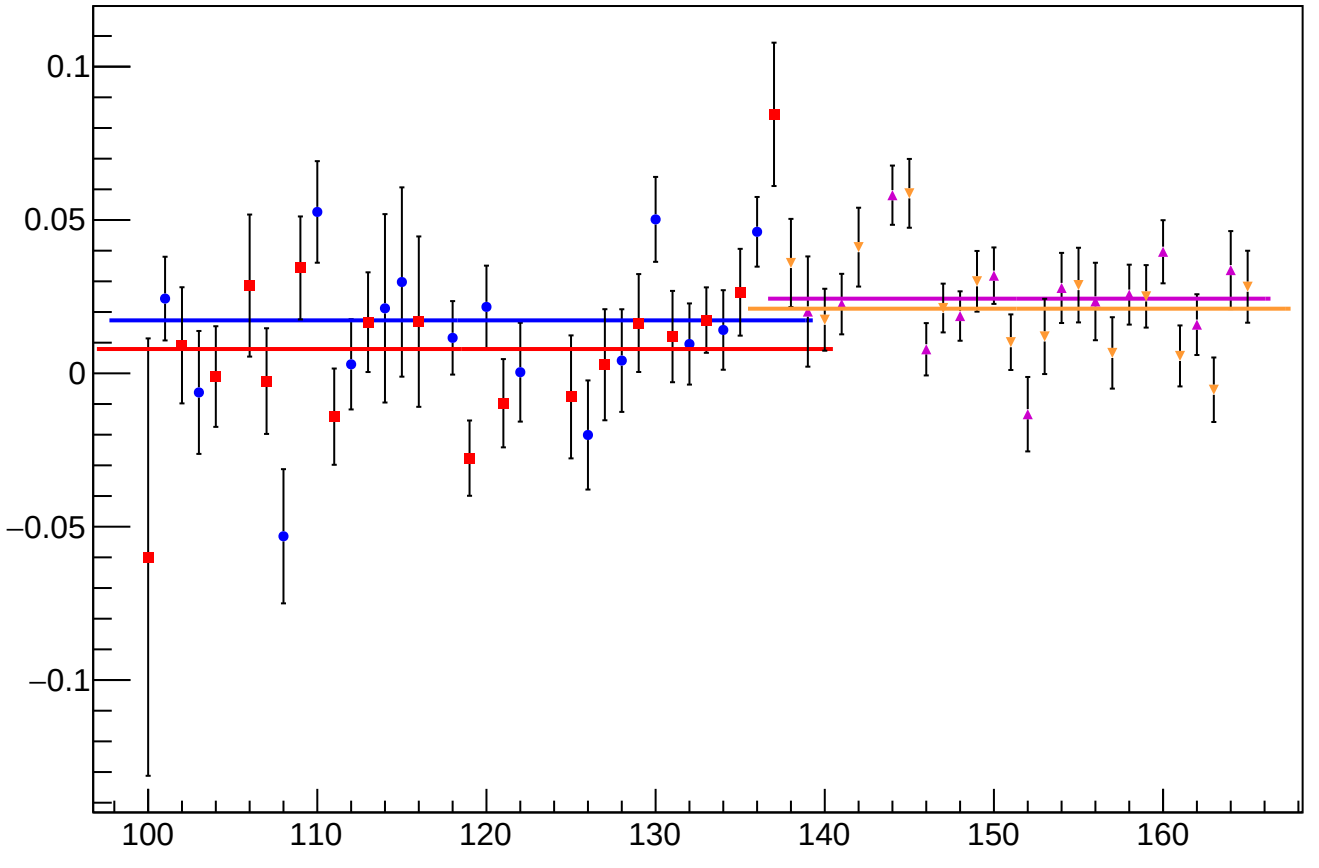
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.034+/-0.003 χ^2/NDF:373.4/12

+ sign -0.012+/-0.002 χ^2/NDF: 1324.1/29

All: -0.005+/-0.002 χ^2/NDF: 2676.5/60

- sign 0.002+/-0.002 χ^2/NDF: 1338.0/30



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.021+/-0.003 χ^2/NDF:28.9/13

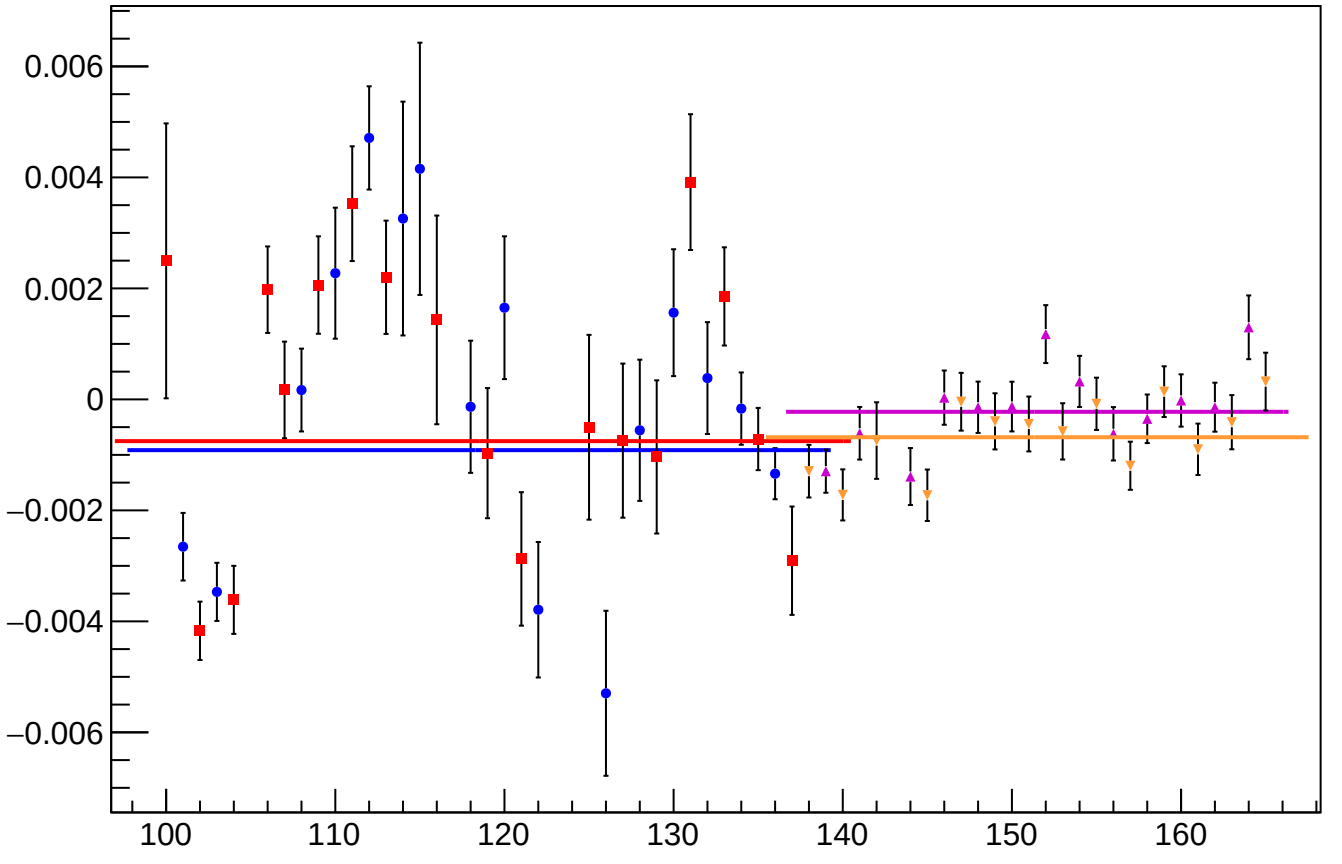
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.024+/-0.003 χ^2/NDF:30.4/12

+ sign 0.020+/-0.002 χ^2/NDF: 66.2/29

All: 0.019+/-0.002 χ^2/NDF: 139.6/60

- sign 0.019+/-0.002 χ^2/NDF: 73.3/30



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:24.5/13

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

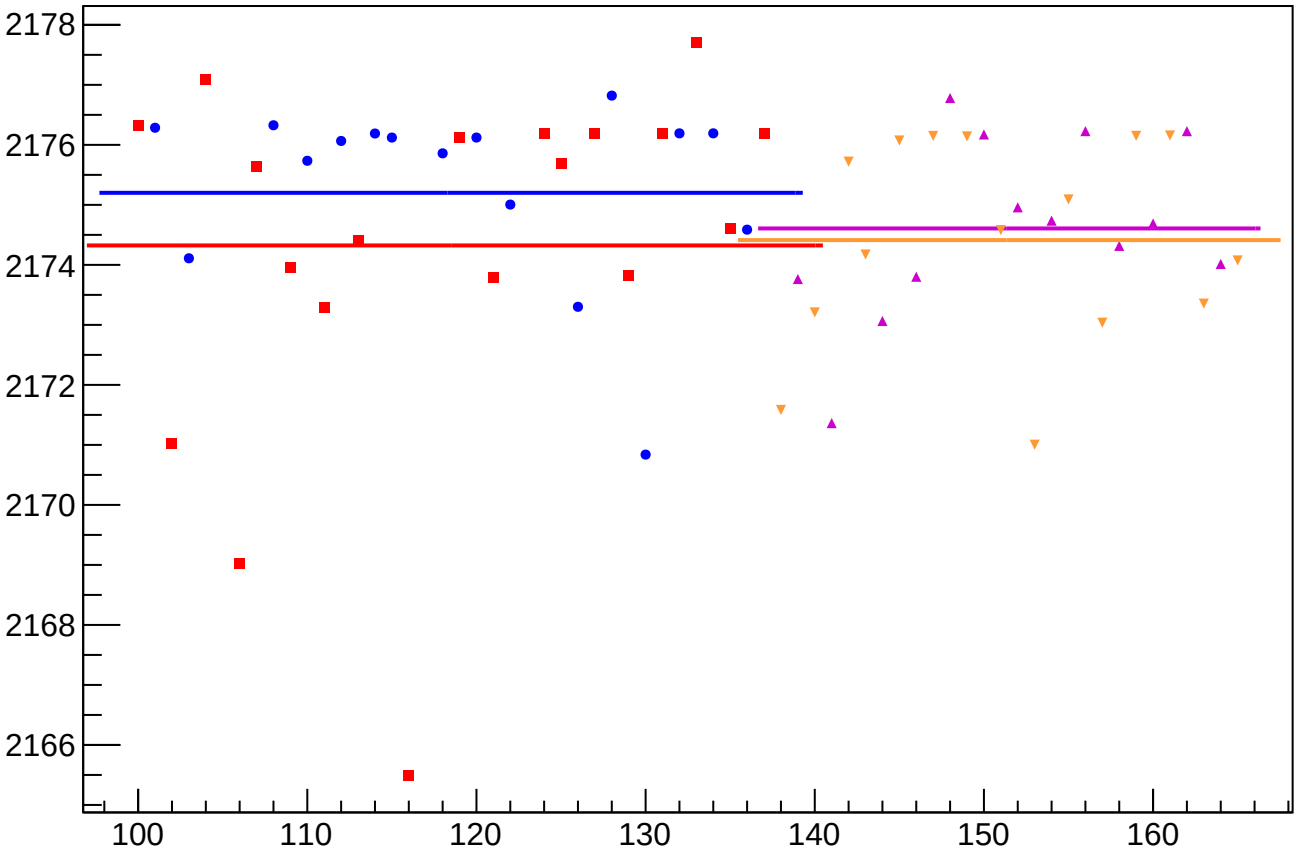
Left In: -0.000+/-0.000 χ^2/NDF:30.4/12

+ sign -0.001+/-0.000 χ^2/NDF: 139.4/29

All: -0.001+/-0.000 χ^2/NDF: 327.7/60

- sign -0.000+/-0.000 χ^2/NDF: 182.4/30

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.413+/-0.000 χ^2/NDF:34869498576192777014324081700372 48.0/14

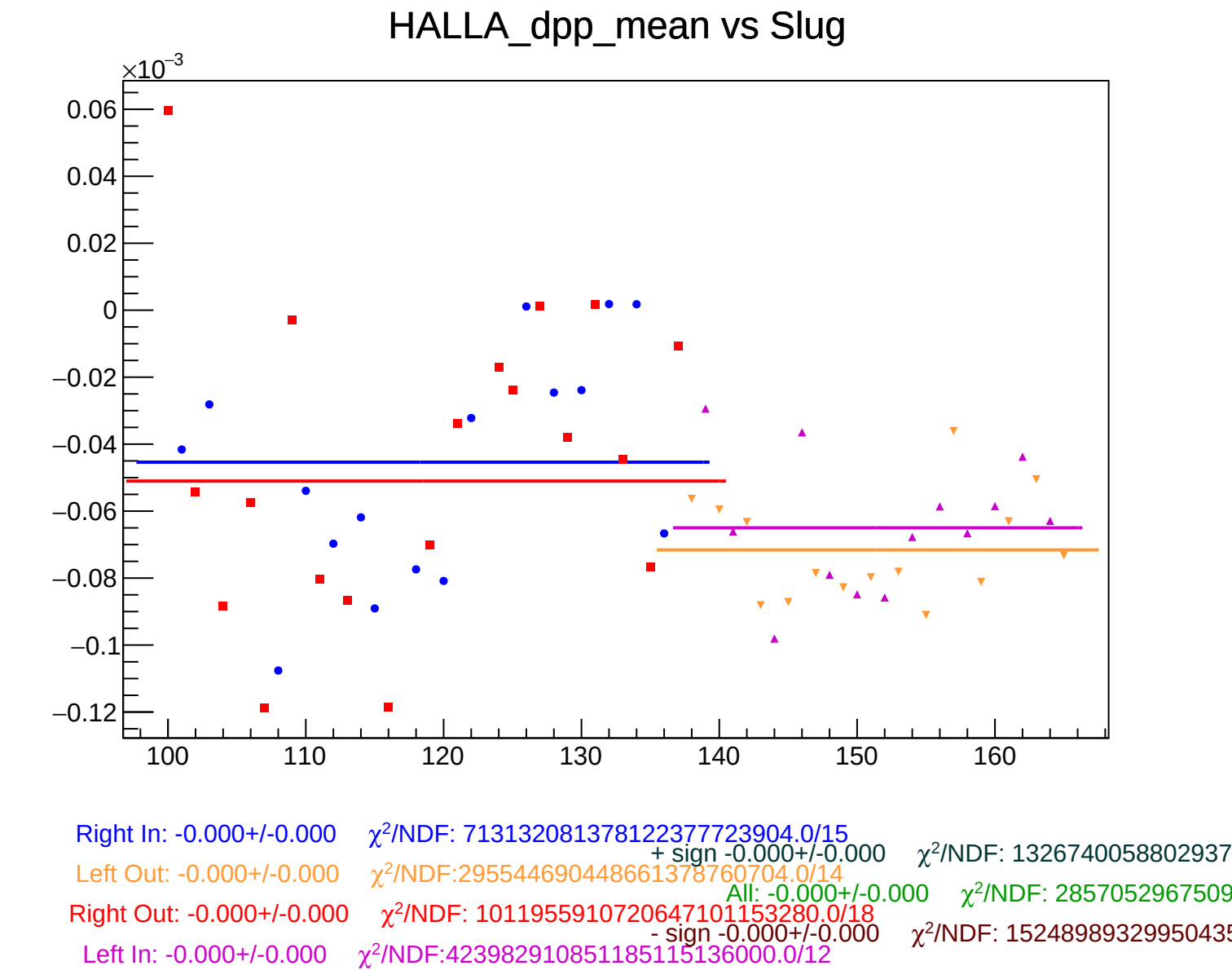
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.607+/-0.000 χ^2/NDF:244752982718112118764328668941516 8.0/12

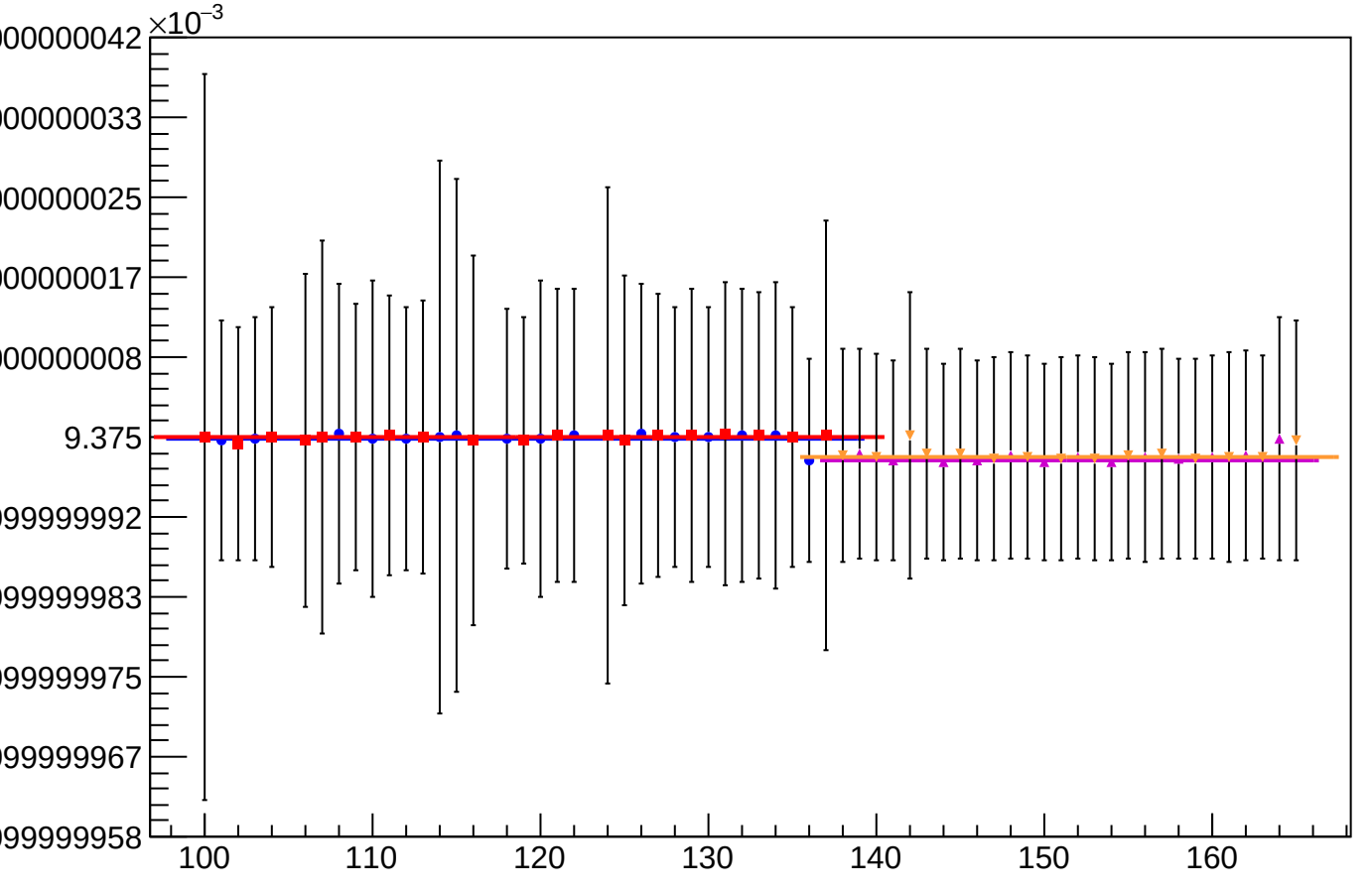
+ sign 2174.709+/-0.000 χ^2/NDF: 554017462599 74

All: 2174.603+/-0.000 χ^2/NDF: 136114349 43

- sign 2174.493+/-0.000 χ^2/NDF: 8026393586093 6


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040/15
Left Out: -0.000+/-0.000 χ²/NDF:29554469044866137876070 4.0/14
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: -0.000+/-0.000 χ²/NDF:42398291085118511513600 0.0/12
+ sign -0.000+/-0.000 χ²/NDF: 1326740058802937
All: -0.000+/-0.000 χ²/NDF: 2857052967509
- sign -0.000+/-0.000 χ²/NDF: 1524898932995043

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:0.0/14

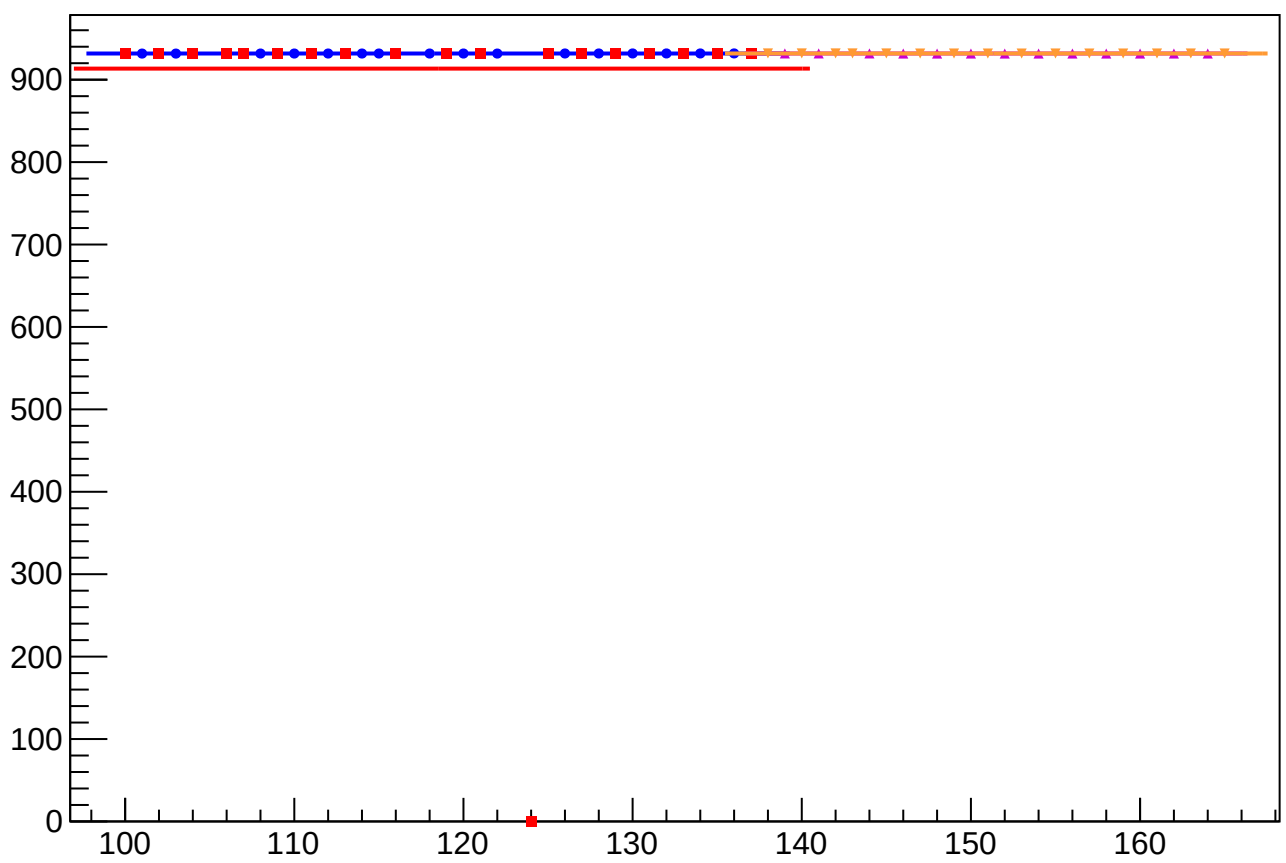
Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/30

All: 0.009+/-0.000 χ^2/NDF: 0.6/62

- sign 0.009+/-0.000 χ^2/NDF: 0.2/31



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.779+/-0.000 χ^2/NDF: 701610569375867

Left Out: 931.785+/-0.000 χ^2/NDF:4146050279758298861115919040512.0/14

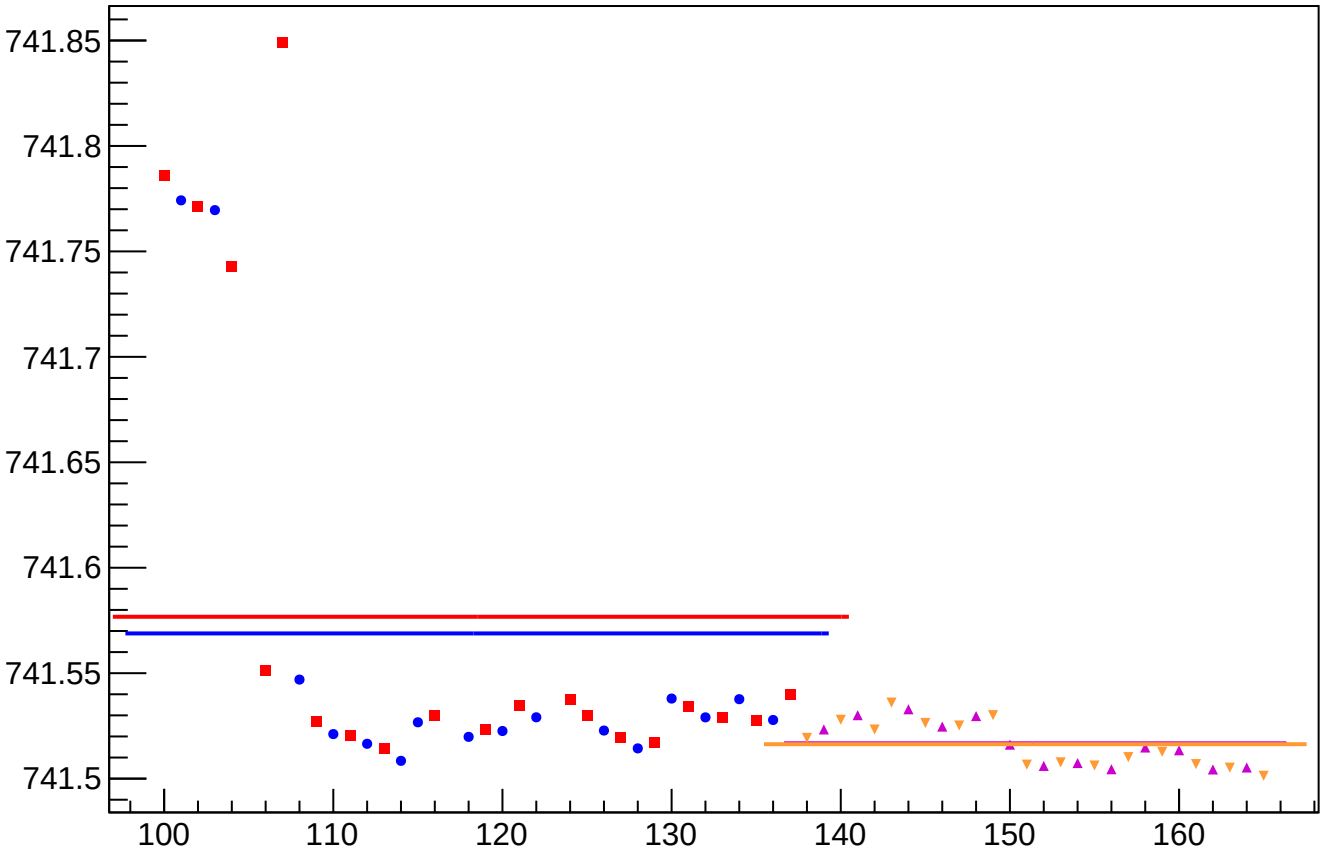
All: 928.169+/-0.000 χ^2/NDF: 12971786994

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 924.421+/-0.000 χ^2/NDF: 129193254963498

Left In: 931.772+/-0.000 χ^2/NDF:3634465377300847346178917924864.0/12

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

+ sign 741.536+/-0.000 χ^2/NDF: 785128093717003

Left Out: 741.516+/-0.000 χ^2/NDF:1405102563253265696261322833 92.0/14

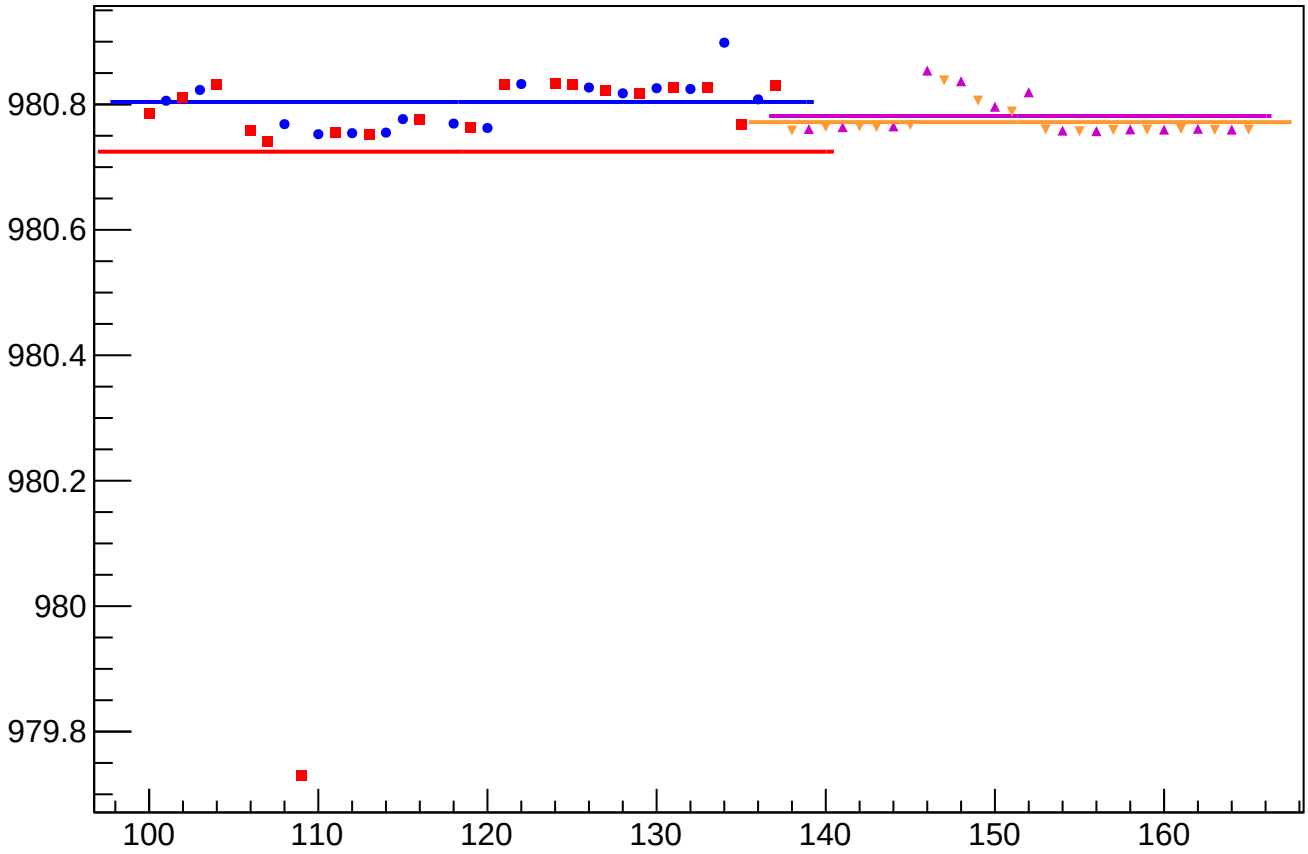
All: 741.538+/-0.000 χ^2/NDF: 17329474943

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

- sign 741.541+/-0.000 χ^2/NDF: 945588412988731

Left In: 741.517+/-0.000 χ^2/NDF:1189592860522863724172211650 56.0/12

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.772+/-0.000 χ^2/NDF:6381343981725891903437123092480.0/14

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

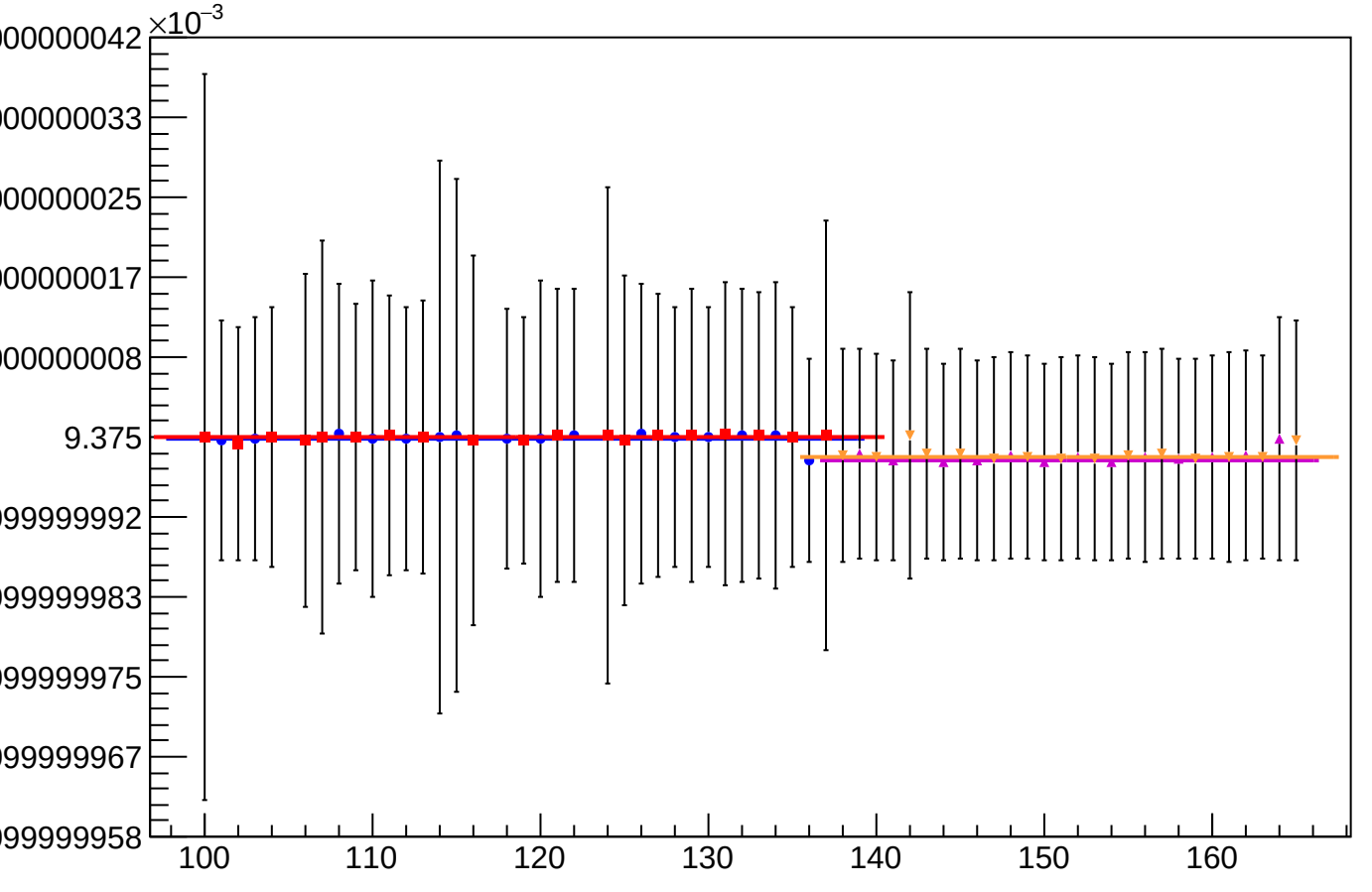
Left In: 980.782+/-0.000 χ^2/NDF:12295286615767993684455870955520.0/12

+ sign 980.784+/-0.000 χ^2/NDF: 205019240613744

All: 980.772+/-0.000 χ^2/NDF: 614059993830

- sign 980.759+/-0.000 χ^2/NDF: 587458185404259

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:0.0/14

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

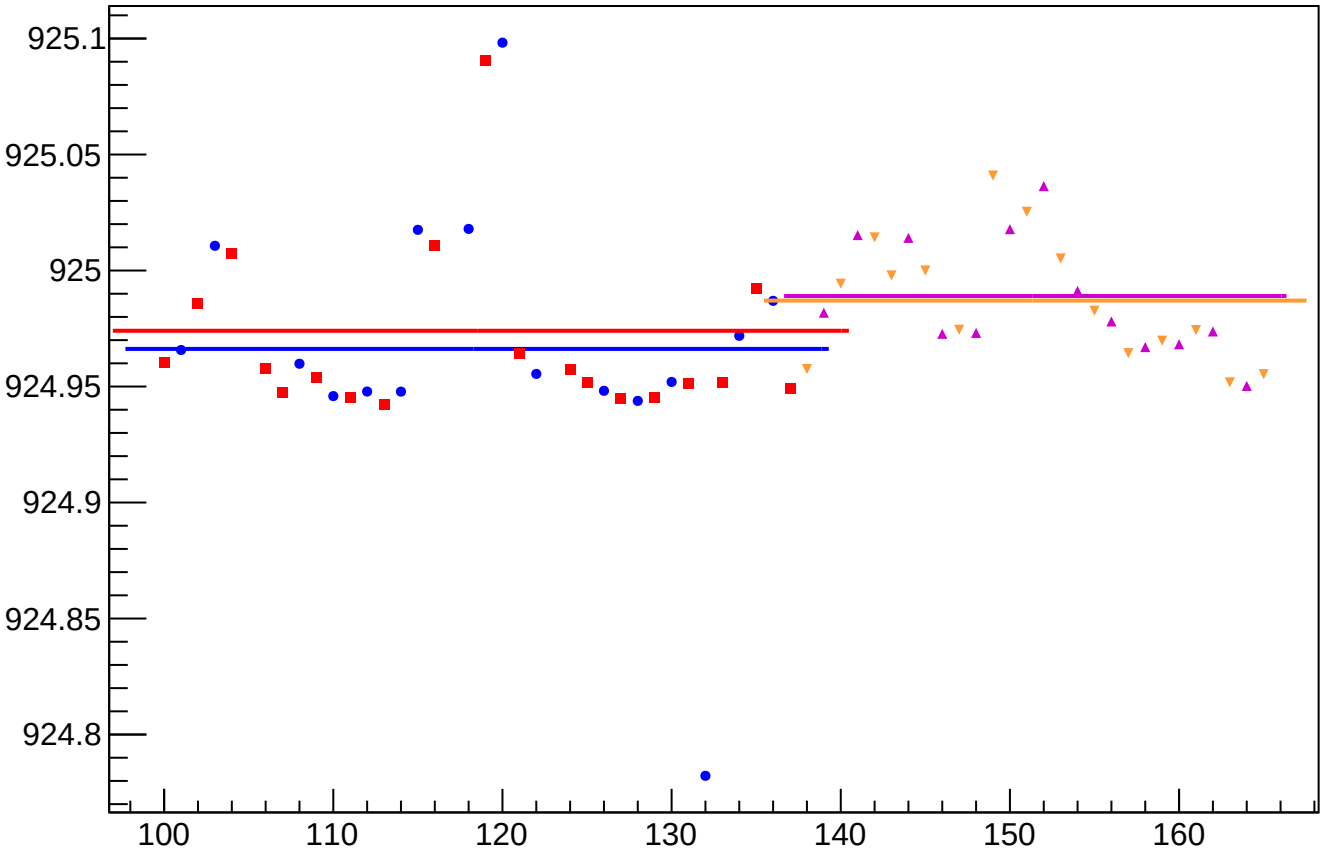
Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/30

All: 0.009+/-0.000 χ^2/NDF: 0.6/62

- sign 0.009+/-0.000 χ^2/NDF: 0.2/31

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.987+/-0.000 χ^2/NDF:824099074881441634902360457216.0/14

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

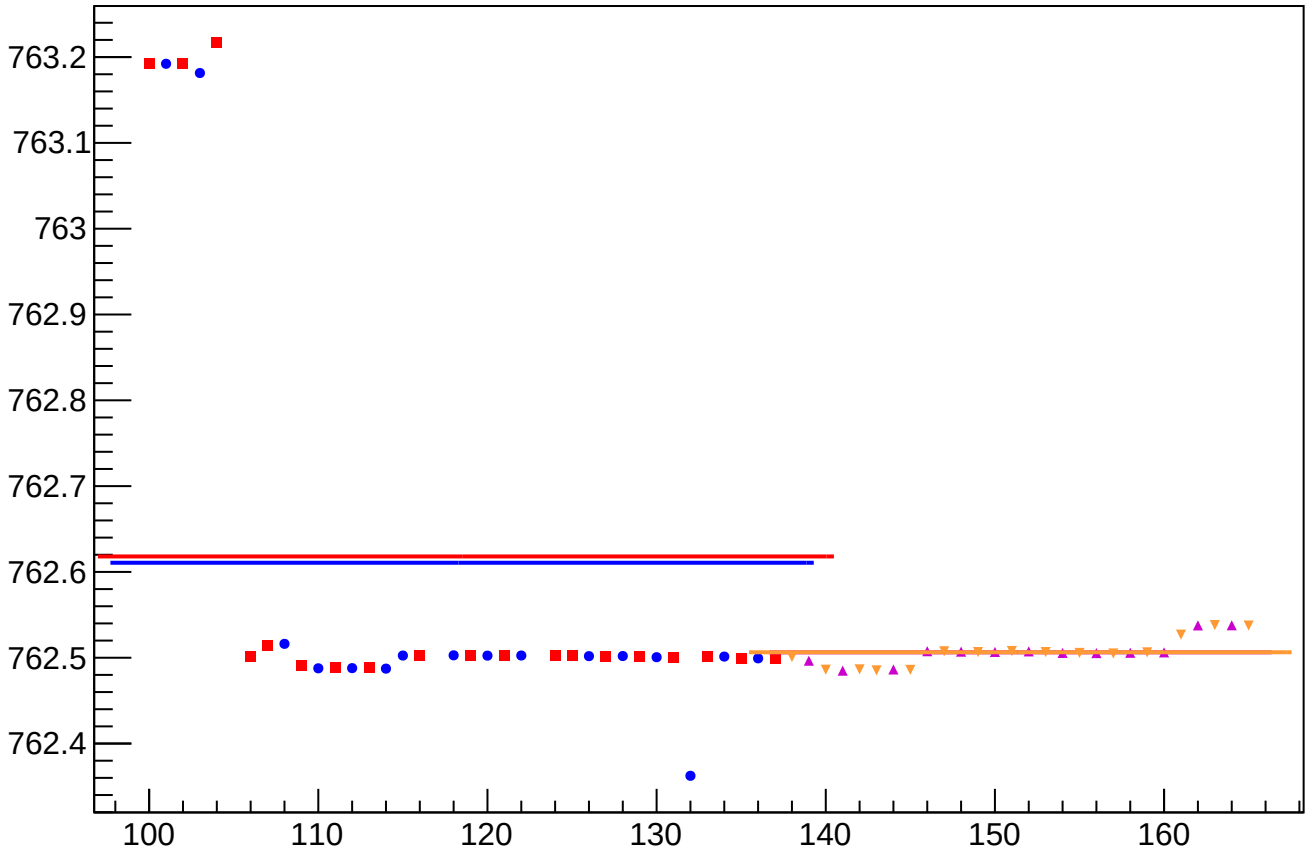
Left In: 924.989+/-0.000 χ^2/NDF:66025080906179758112728783257 6.0/12

+ sign 924.979+/-0.000 χ^2/NDF: 356939787784887

All: 924.981+/-0.000 χ^2/NDF: 558819248997

- sign 924.983+/-0.000 χ^2/NDF: 200488947709001

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.506+/-0.000 χ^2/NDF:3167919244940470389998480261l2.0/14

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

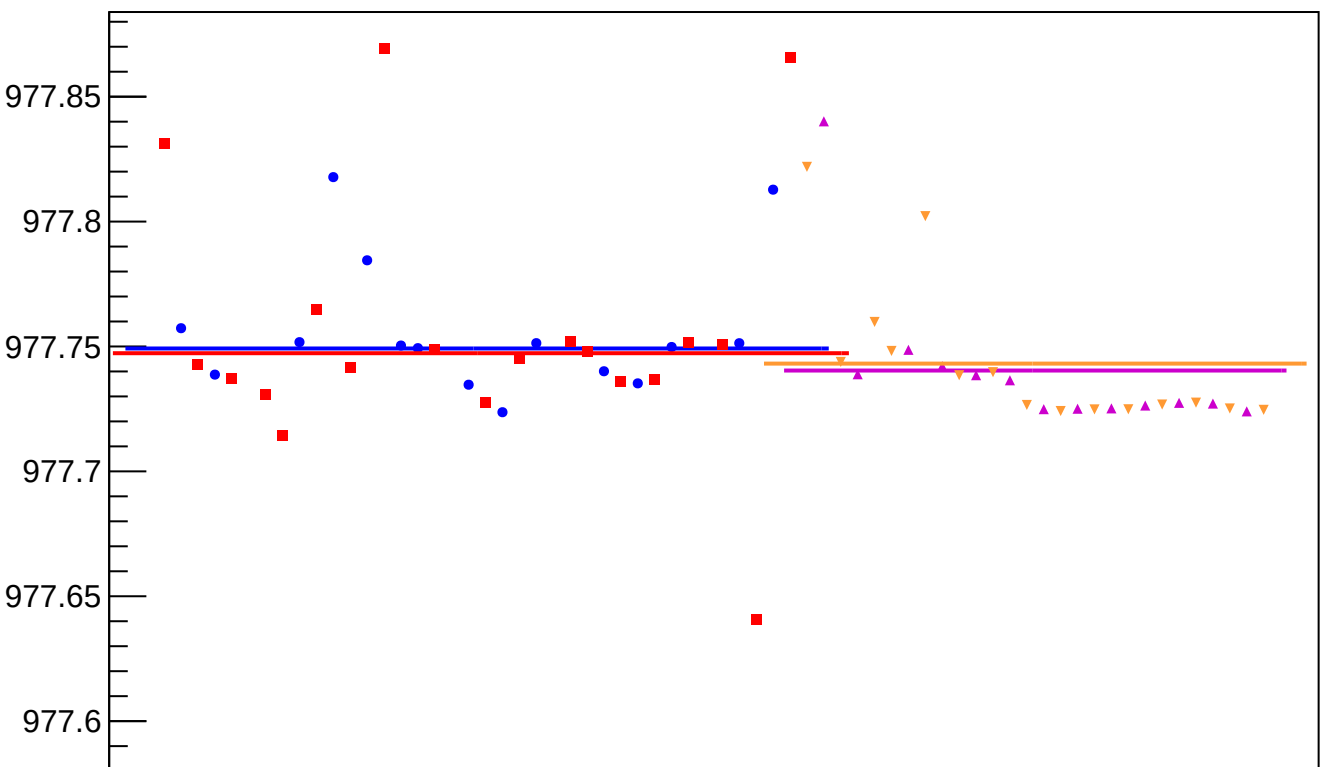
Left In: 762.506+/-0.000 χ^2/NDF:233692876621267123424204947456.0/12

+ sign 762.546+/-0.000 χ^2/NDF: 575152520428499

All: 762.548+/-0.000 χ^2/NDF: 116617654170

- sign 762.551+/-0.000 χ^2/NDF: 590719112151834

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.743+/-0.000 χ^2/NDF:10219105980027907322342927237120.0/14

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

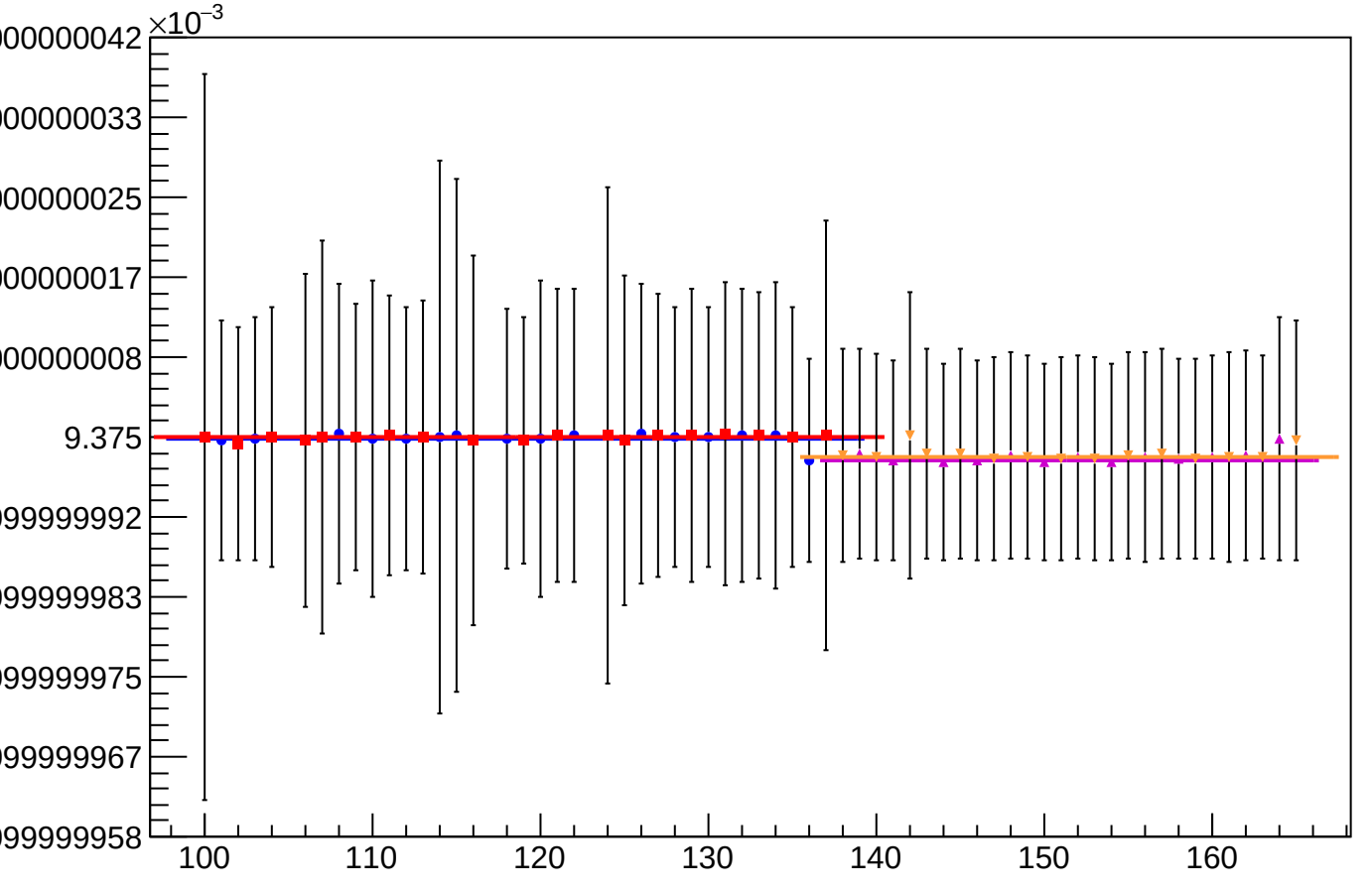
Left In: 977.740+/-0.000 χ^2/NDF:971989918667146997367079698432.0/12

+ sign 977.745+/-0.000 χ^2/NDF: 299844415432196

All: 977.744+/-0.000 χ^2/NDF: 57795930633

- sign 977.743+/-0.000 χ^2/NDF: 277619655917632

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:0.0/14

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

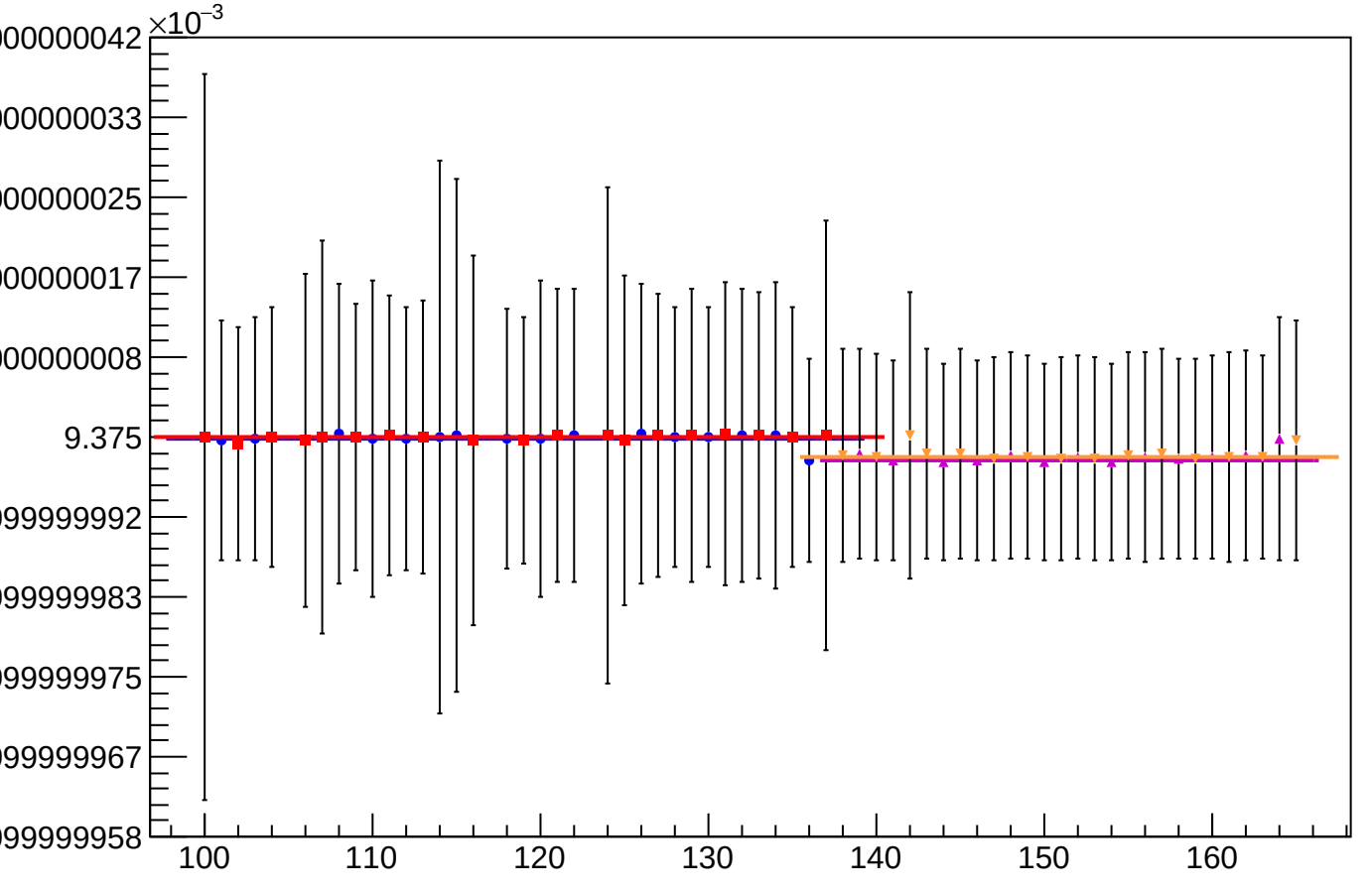
Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/30

All: 0.009+/-0.000 χ^2/NDF: 0.6/62

- sign 0.009+/-0.000 χ^2/NDF: 0.2/31

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:0.0/14

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

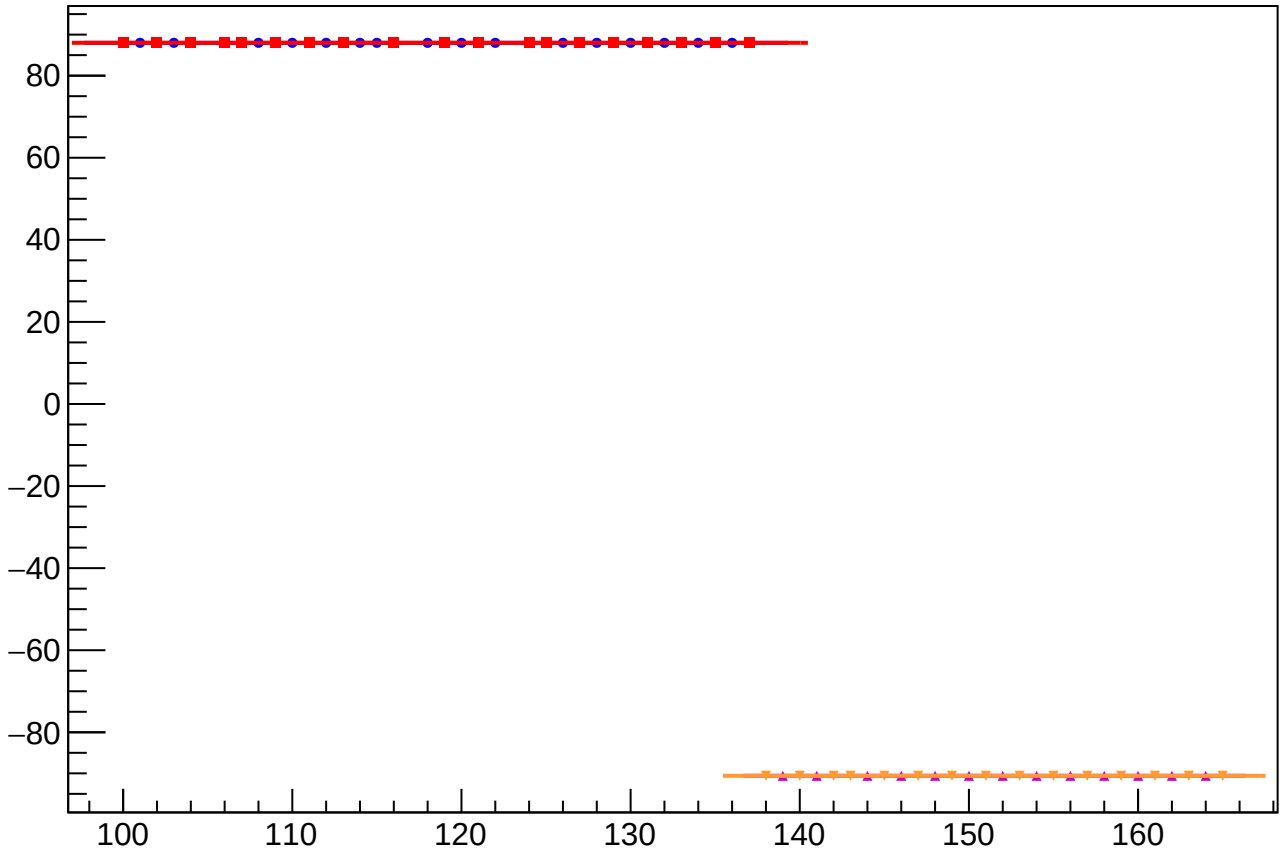
Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/30

All: 0.009+/-0.000 χ^2/NDF: 0.6/62

- sign 0.009+/-0.000 χ^2/NDF: 0.2/31

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:4329773.5/14

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

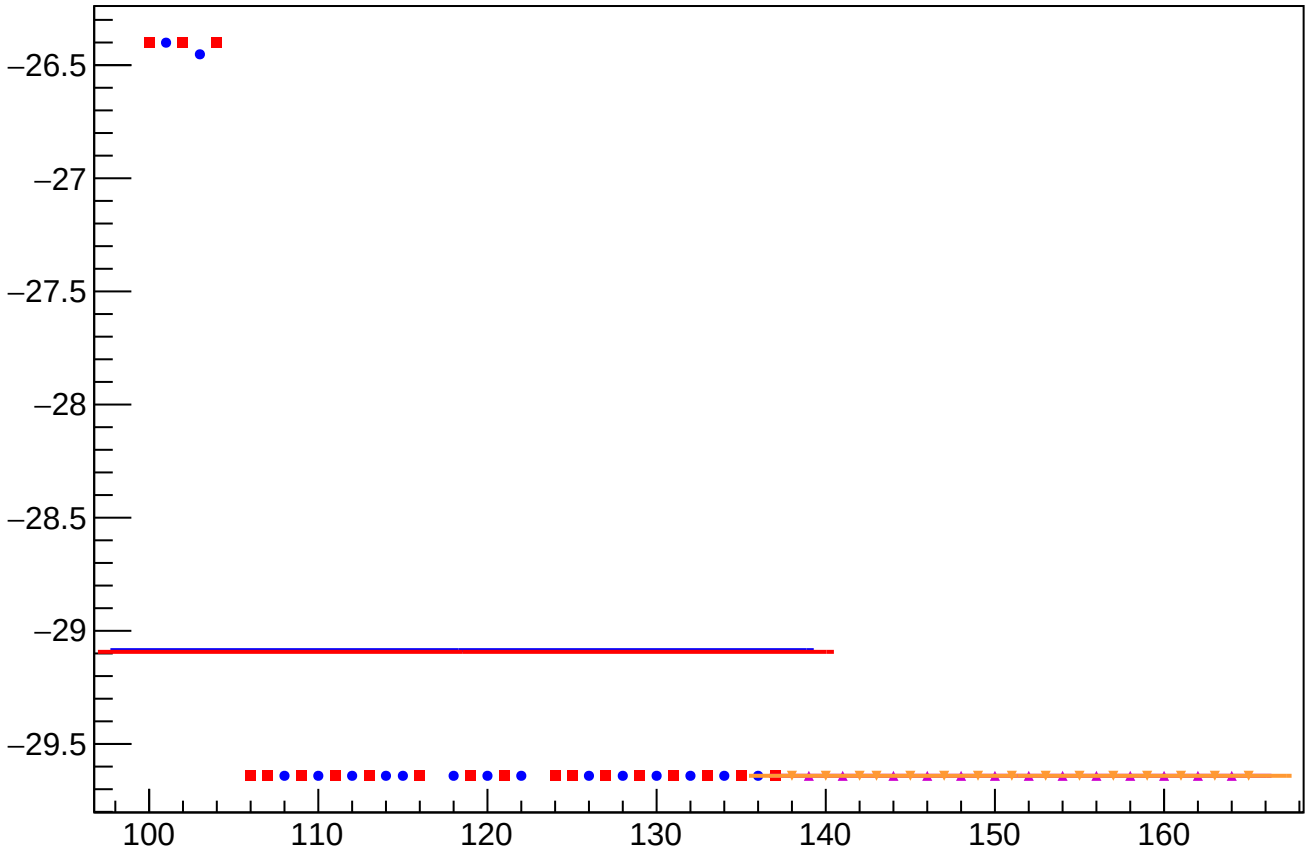
Left In: -90.599+/-0.000 χ^2/NDF:2828287.2/12

+ sign -23.590+/-0.000 χ^2/NDF: 147682548031594

All: -21.315+/-0.000 χ^2/NDF: 293642798347

- sign -18.952+/-0.000 χ^2/NDF: 1457517605131257

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:210152.5/14

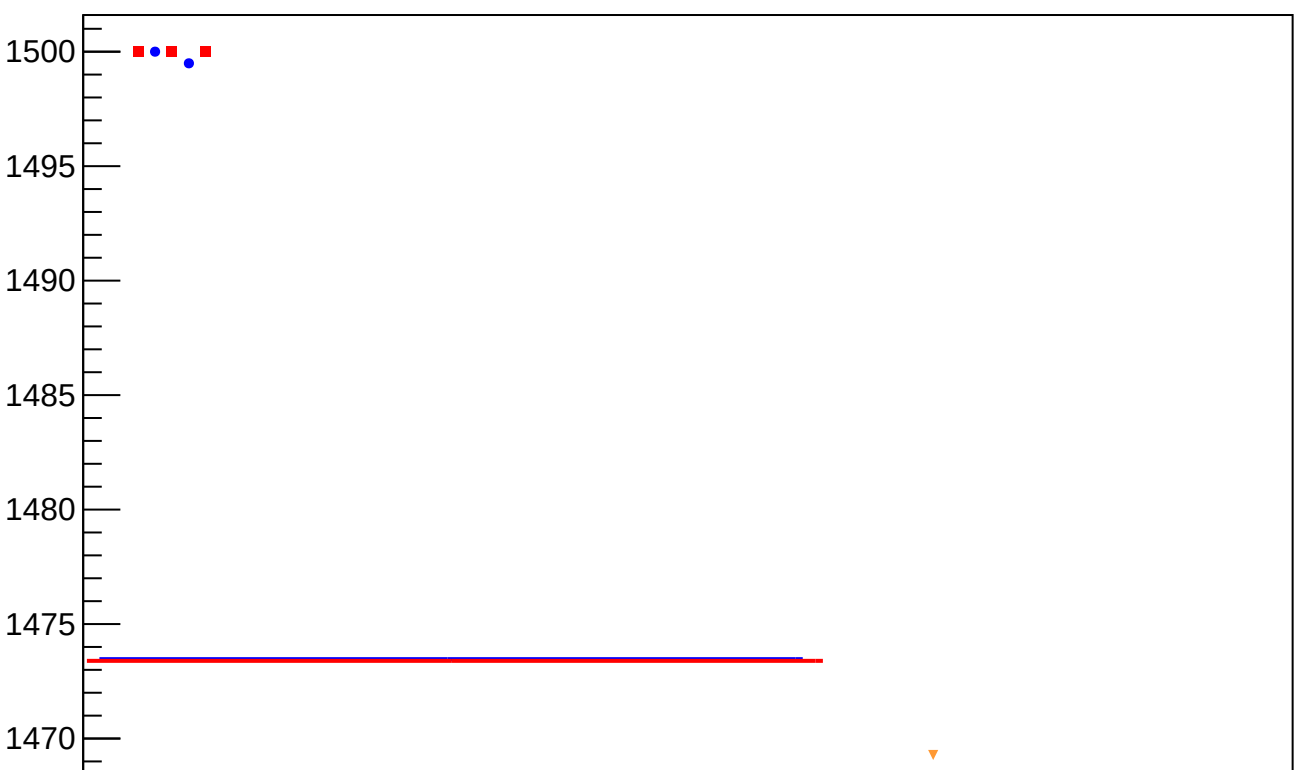
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:89766.1/12

+ sign -29.432+/-0.000 χ^2/NDF: 123713471444484

All: -29.427+/-0.000 χ^2/NDF: 249960538596

- sign -29.421+/-0.000 χ^2/NDF: 126234467886434



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.083+/-0.000 χ^2/NDF:13619007563460736108480860415590 4.0/14

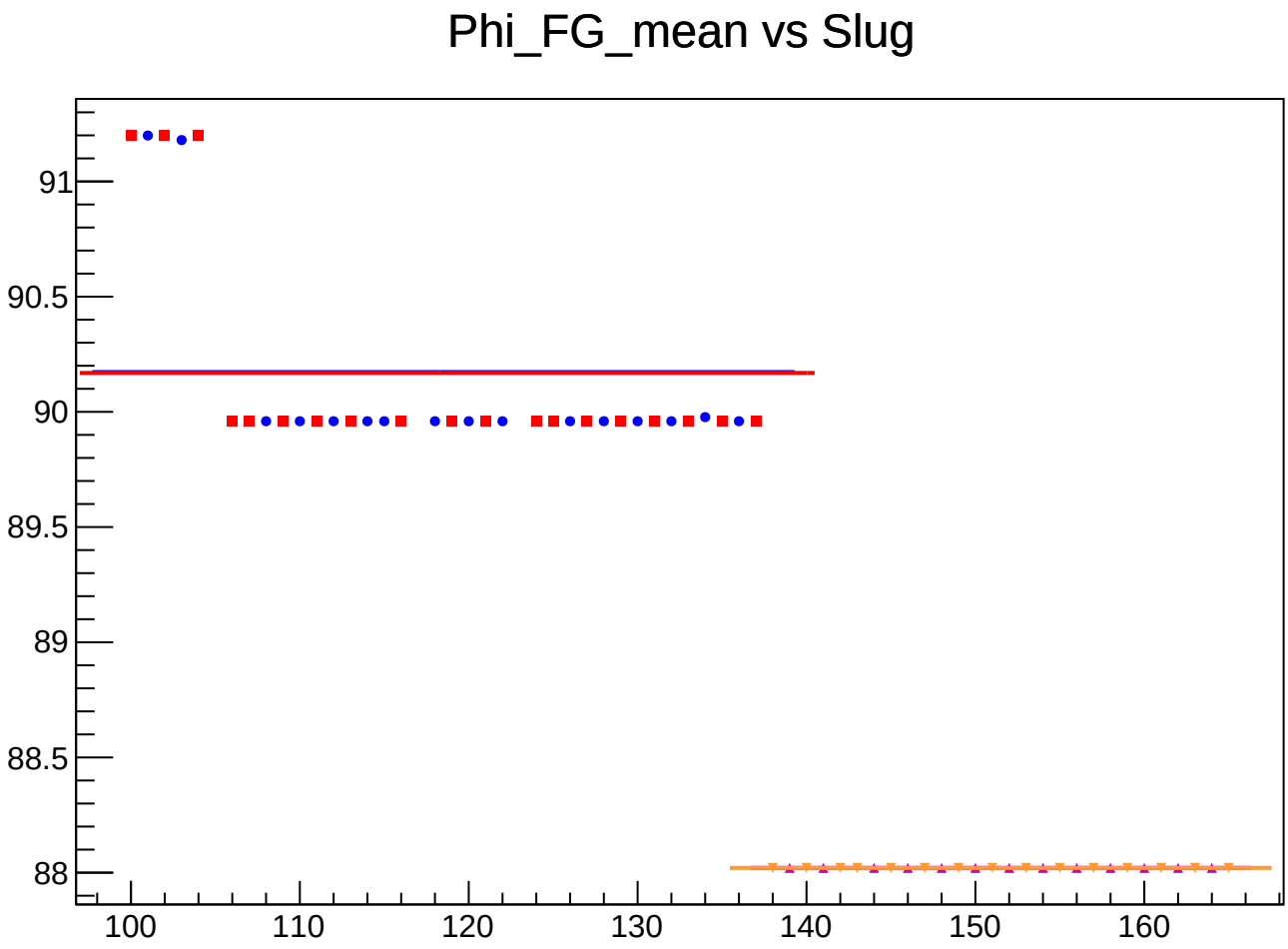
Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: 1467.990+/-0.000 χ^2/NDF:11367164175988558094262285107 2.0/12

+ sign 1470.103+/-0.000 χ^2/NDF: 1204527704042

All: 1470.130+/-0.000 χ^2/NDF: 243705686 19

- sign 1470.157+/-0.000 χ^2/NDF: 12325008098788



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:5218346.4/14

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

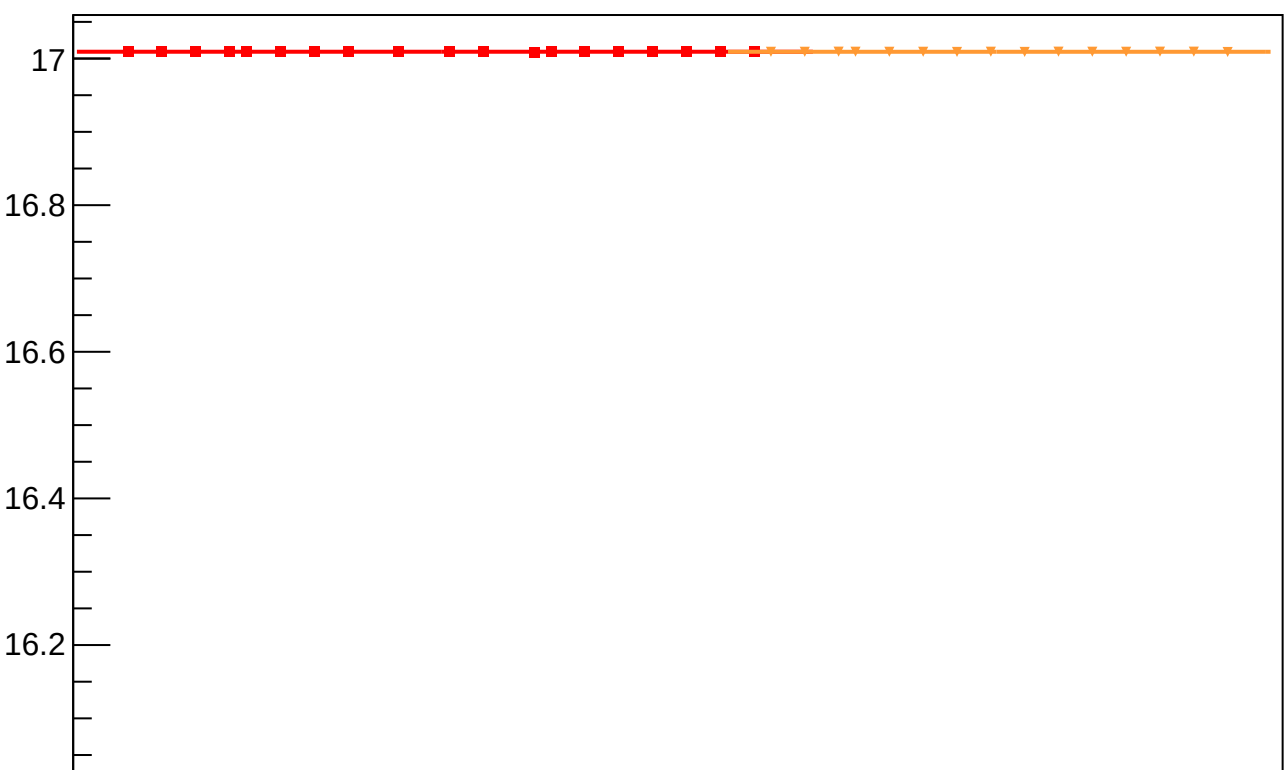
Left In: 88.021+/-0.000 χ^2/NDF:2549598.4/12

+ sign 88.828+/-0.000 χ^2/NDF: 2304246519776294

All: 88.855+/-0.000 χ^2/NDF: 458056837293

- sign 88.882+/-0.000 χ^2/NDF: 2273459577326931

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:1903832846848754452529152O.0/14

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

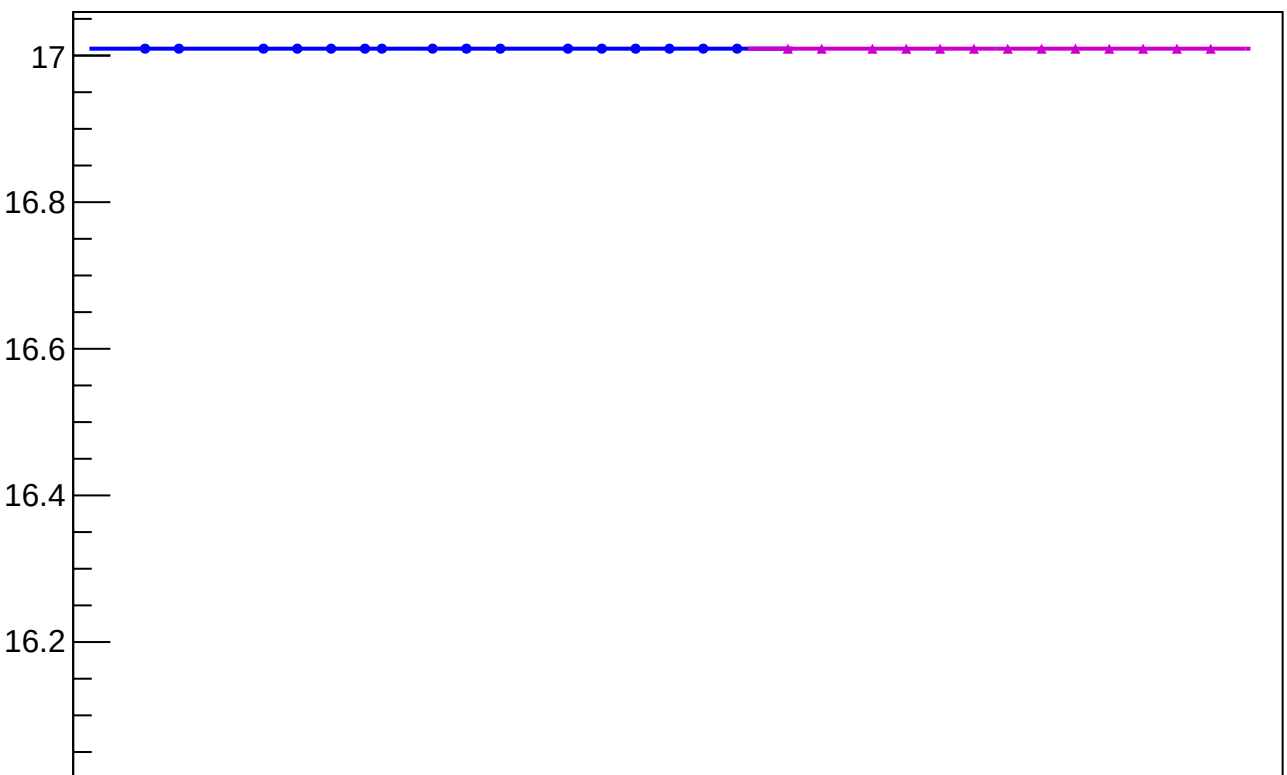
Left In: 16.009+/-0.000 χ^2/NDF:159488.7/12

+ sign 16.624+/-0.000 χ^2/NDF: 4315478375275047

All: 16.517+/-0.000 χ^2/NDF: 892557552441

- sign 16.406+/-0.000 χ^2/NDF: 4183396399238032

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:63740.0/14

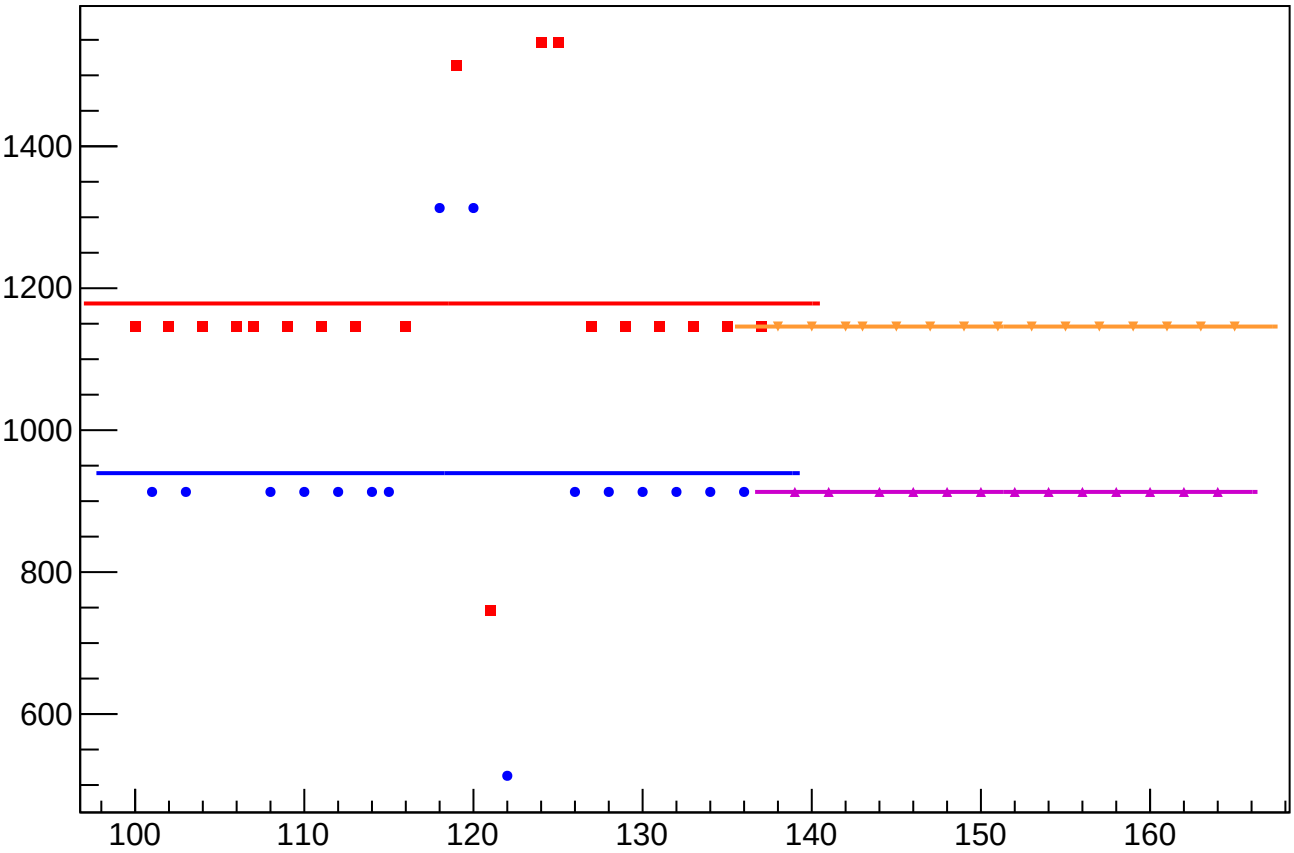
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:32766.1/12

+ sign 16.375+/-0.000 χ^2/NDF: 4482789855072463

All: 16.489+/-0.000 χ^2/NDF: 950590706222

- sign 16.605+/-0.000 χ^2/NDF: 4520841768779590



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

+ sign 1068.510+/-0.000 χ^2/NDF: 40838072448768

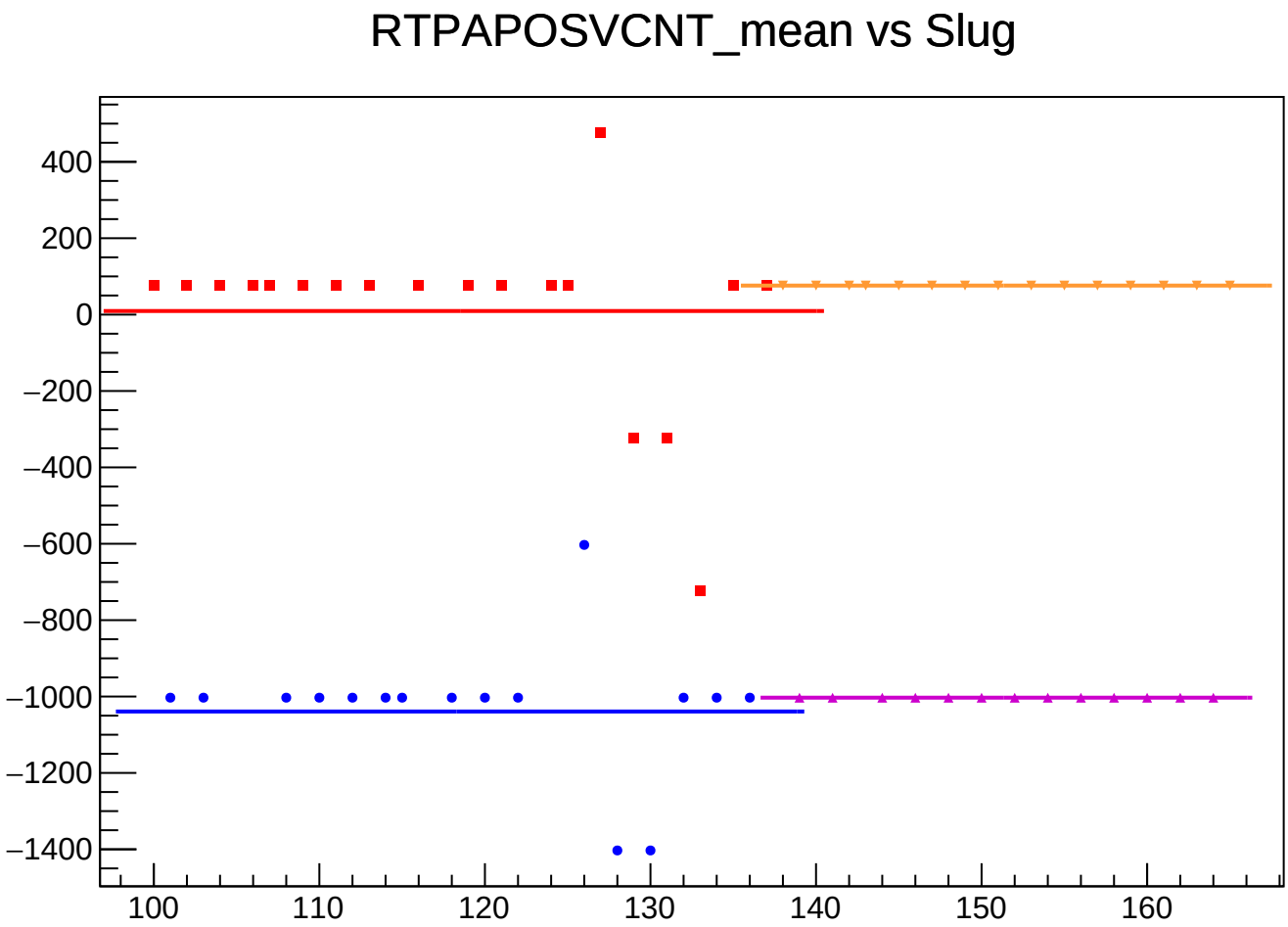
Left Out: 1146.011+/-0.000 χ^2/NDF:490471650663086008794349568 0.0/14

All: 1044.471+/-0.000 χ^2/NDF: 9751746984

Right Out: 1178.513+/-0.000 χ^2/NDF: 2214025995812327756548110611483774156 8.0/18

- sign 1019.509+/-0.000 χ^2/NDF: 54352968699094

Left In: 912.995+/-0.000 χ^2/NDF:166857712057516190670855864 32.0/12



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

+ sign -342.389+/-0.000 χ^2/NDF: 59863724064851

Left Out: 76.011+/-0.000 χ^2/NDF:8817163765287941075632128000.0/14

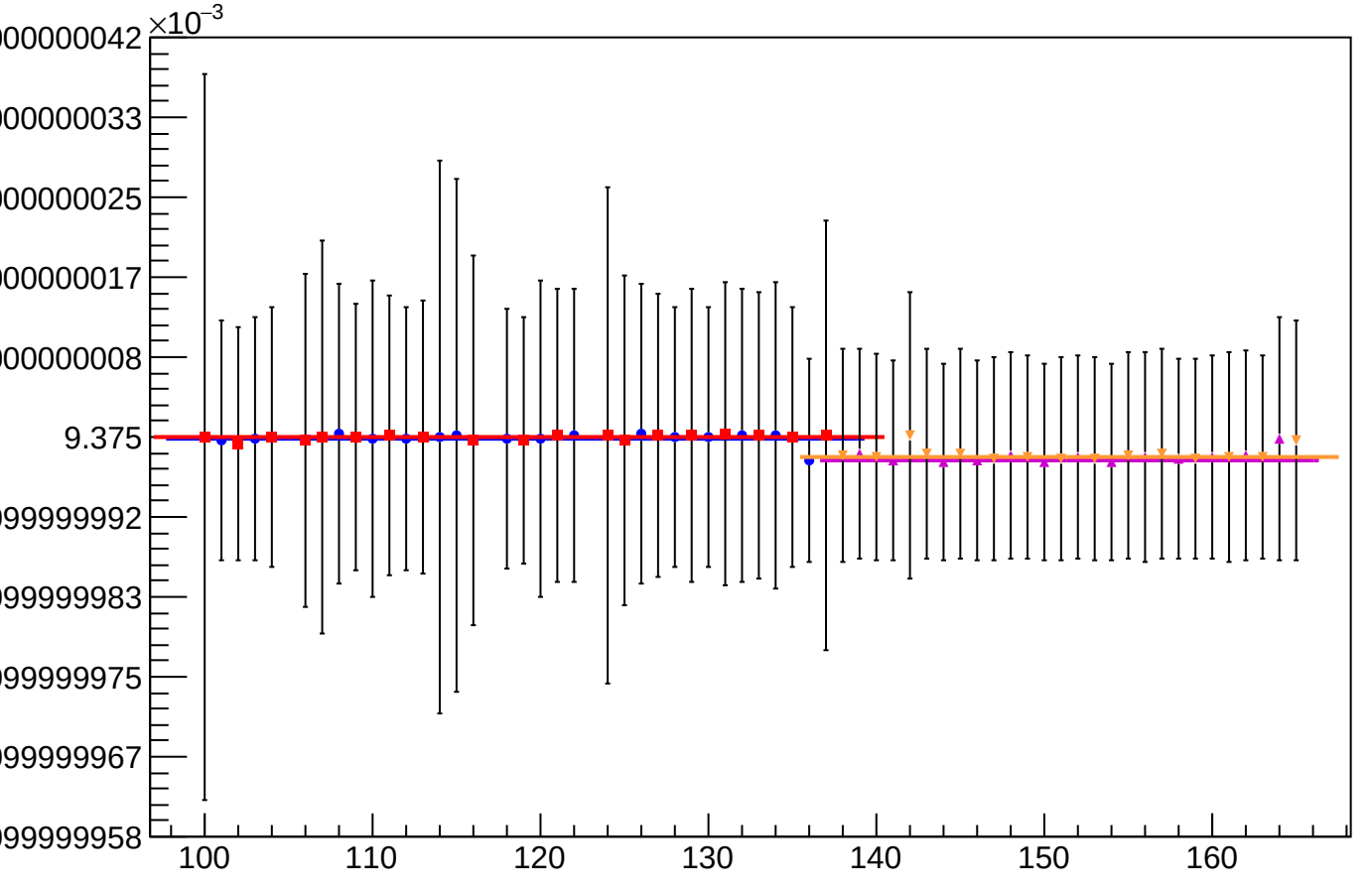
All: -467.224+/-0.000 χ^2/NDF: 1175769461

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -596.851+/-0.000 χ^2/NDF: 514394553224559

Left In: -1002.990+/-0.000 χ^2/NDF:166133351239669610309694259 2.0/12

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:0.0/14

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

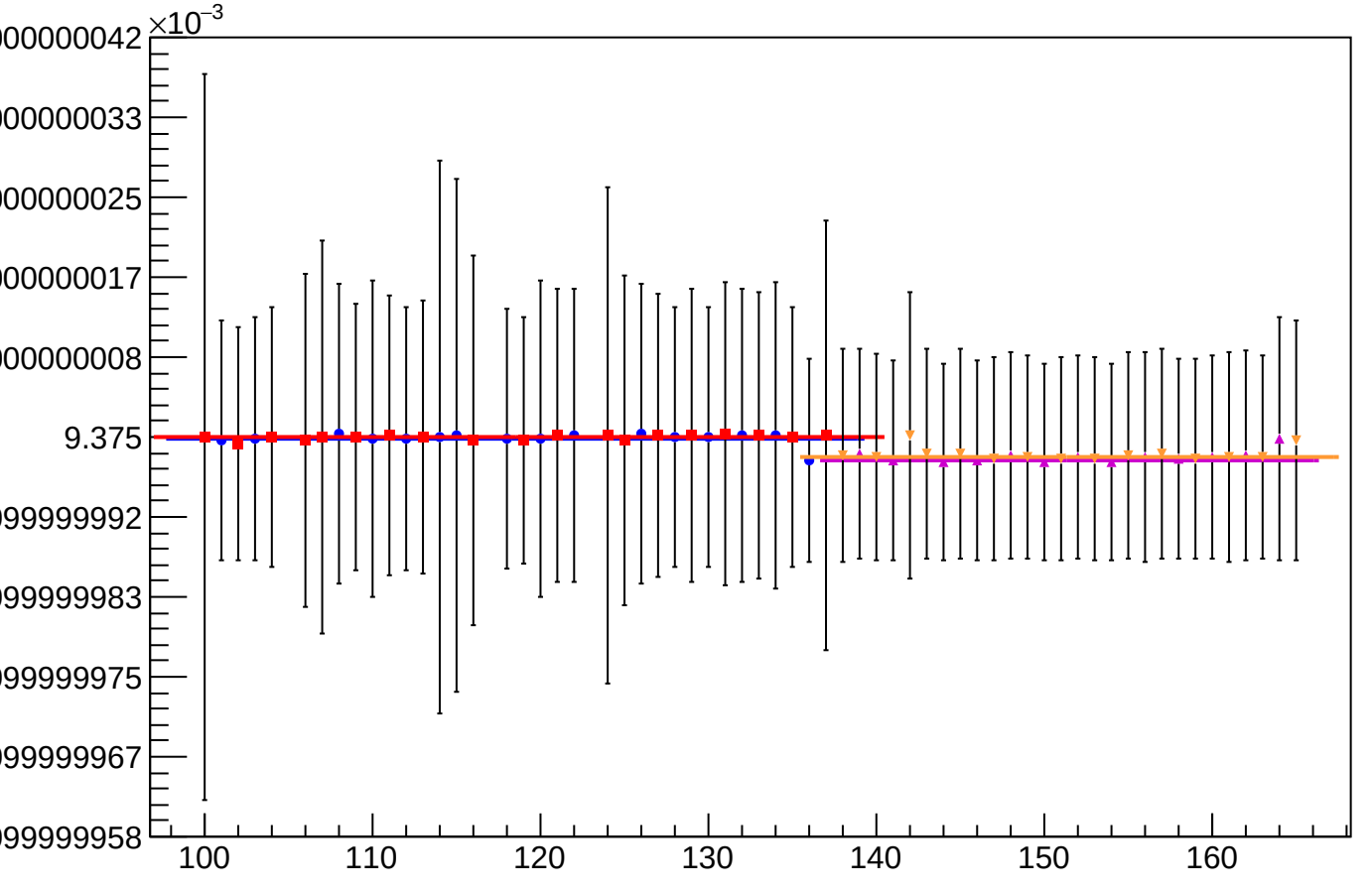
Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/30

All: 0.009+/-0.000 χ^2/NDF: 0.6/62

- sign 0.009+/-0.000 χ^2/NDF: 0.2/31

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:0.0/14

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/12

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/30

All: 0.009+/-0.000 χ^2/NDF: 0.6/62

- sign 0.009+/-0.000 χ^2/NDF: 0.2/31